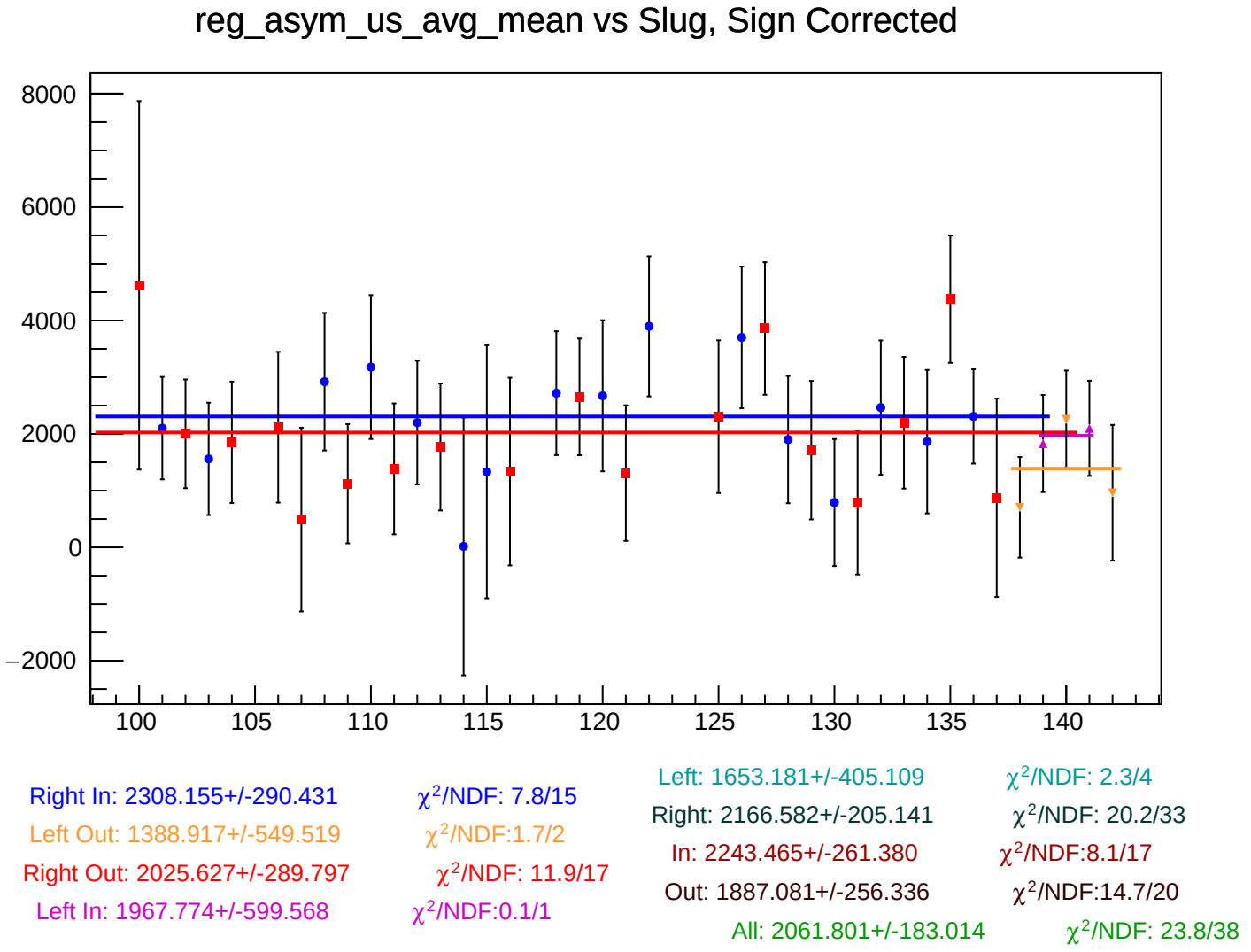
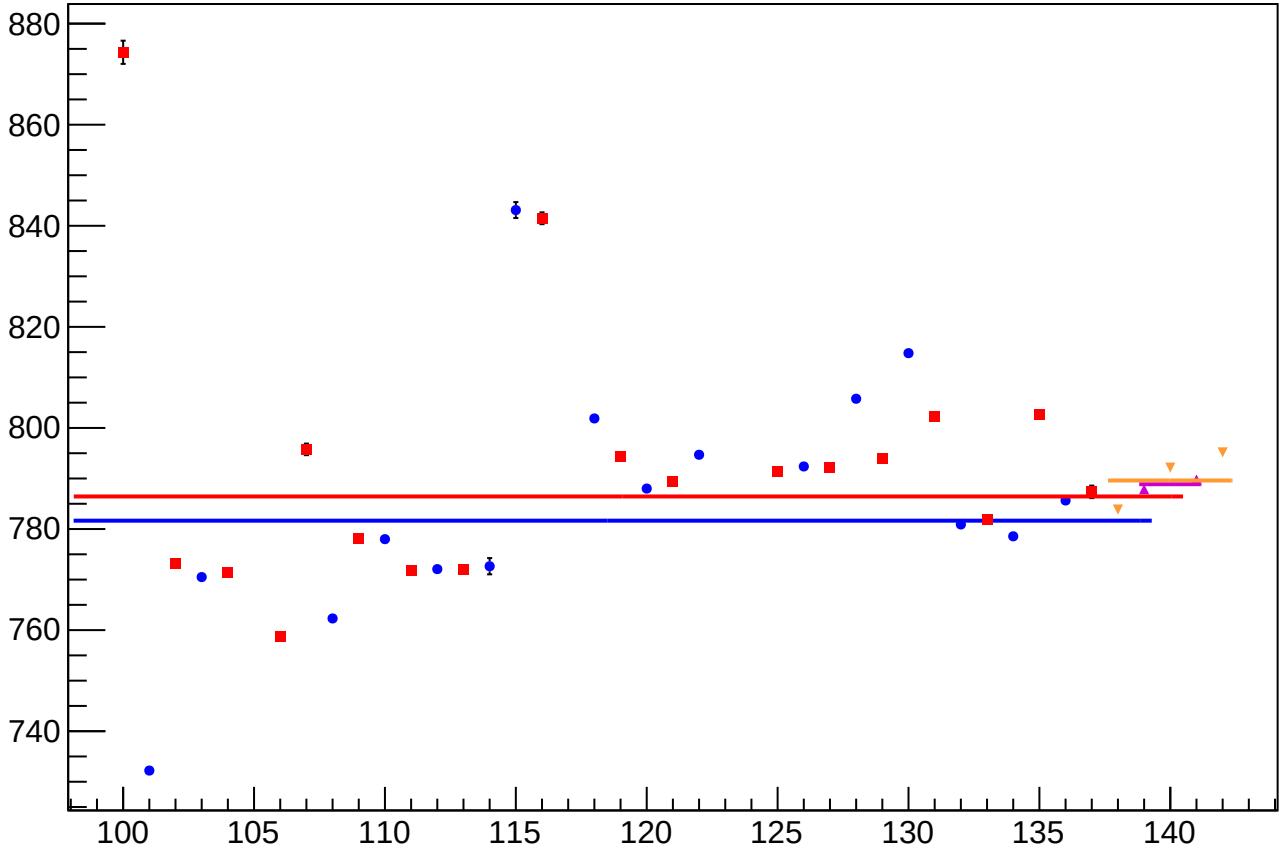

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
105
110
115
120
125
130
135
140
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1388.917+/-549.519 χ²/NDF:1.7/2
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 1967.774+/-599.568 χ²/NDF:0.1/1
Left: 1653.181+/-405.109 χ²/NDF: 2.3/4
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2243.465+/-261.380 χ²/NDF:8.1/17
Out: 1887.081+/-256.336 χ²/NDF:14.7/20
All: 2061.801+/-183.014 χ²/NDF: 23.8/38

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

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

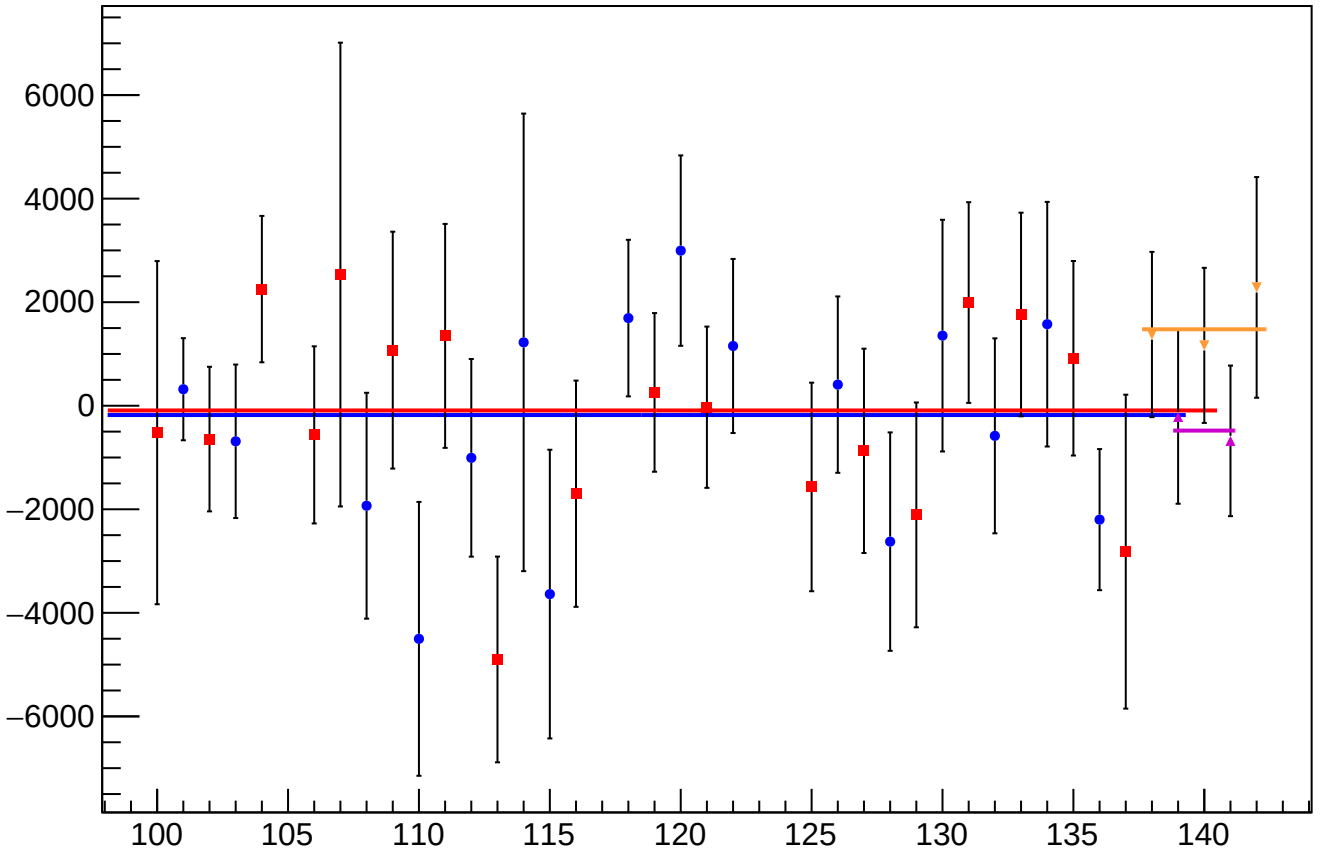
Left: 789.270+/-0.286 χ^2/NDF: 151.2/4

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

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

Out: 787.131+/-0.181 χ^2/NDF:7397.8/20

All: 785.118+/-0.129 χ^2/NDF: 20208.2/38



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

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

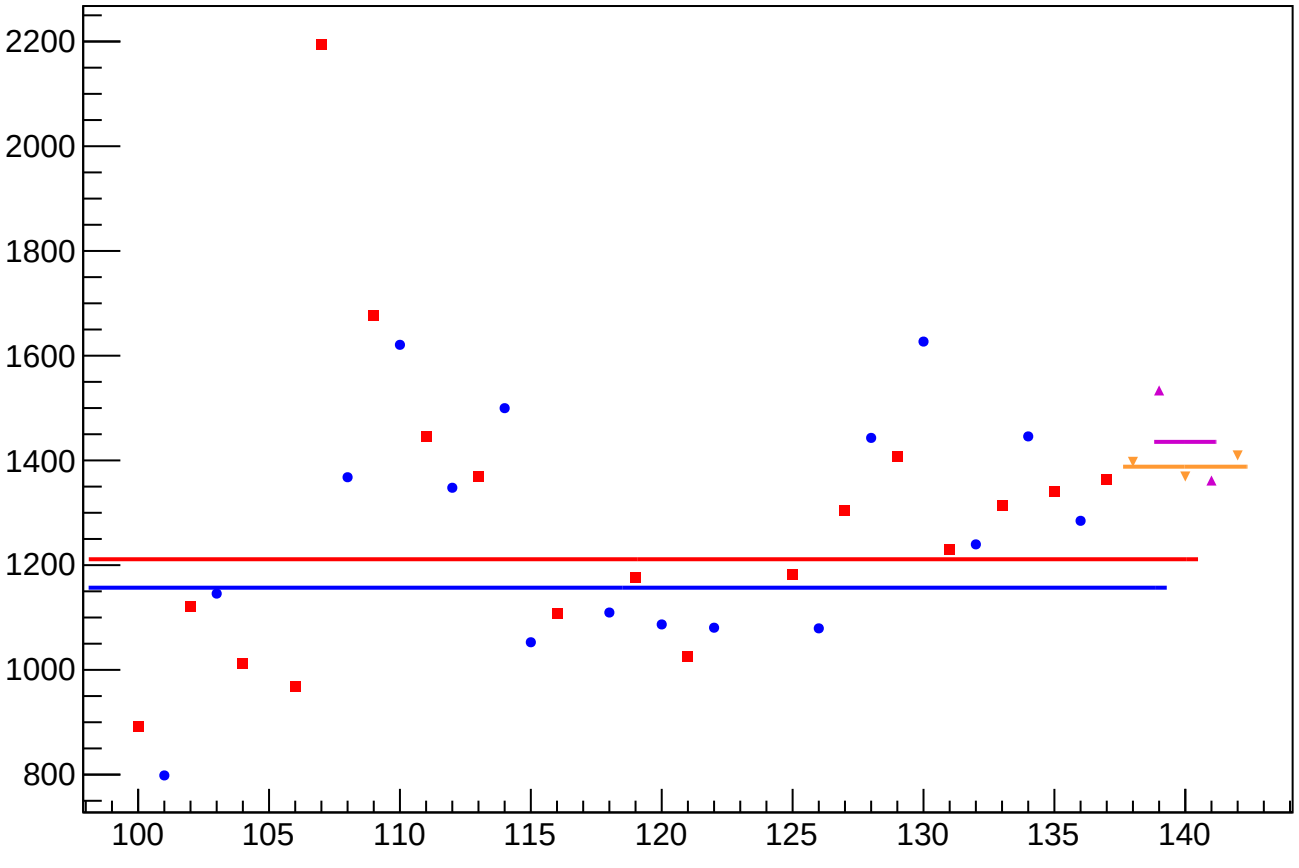
Left: 617.452+/-728.032 χ^2/NDF: 2.0/4

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

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

Out: 190.289+/-411.947 χ^2/NDF:17.5/20

All: -17.064+/-290.273 χ^2/NDF: 33.5/38



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

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

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

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

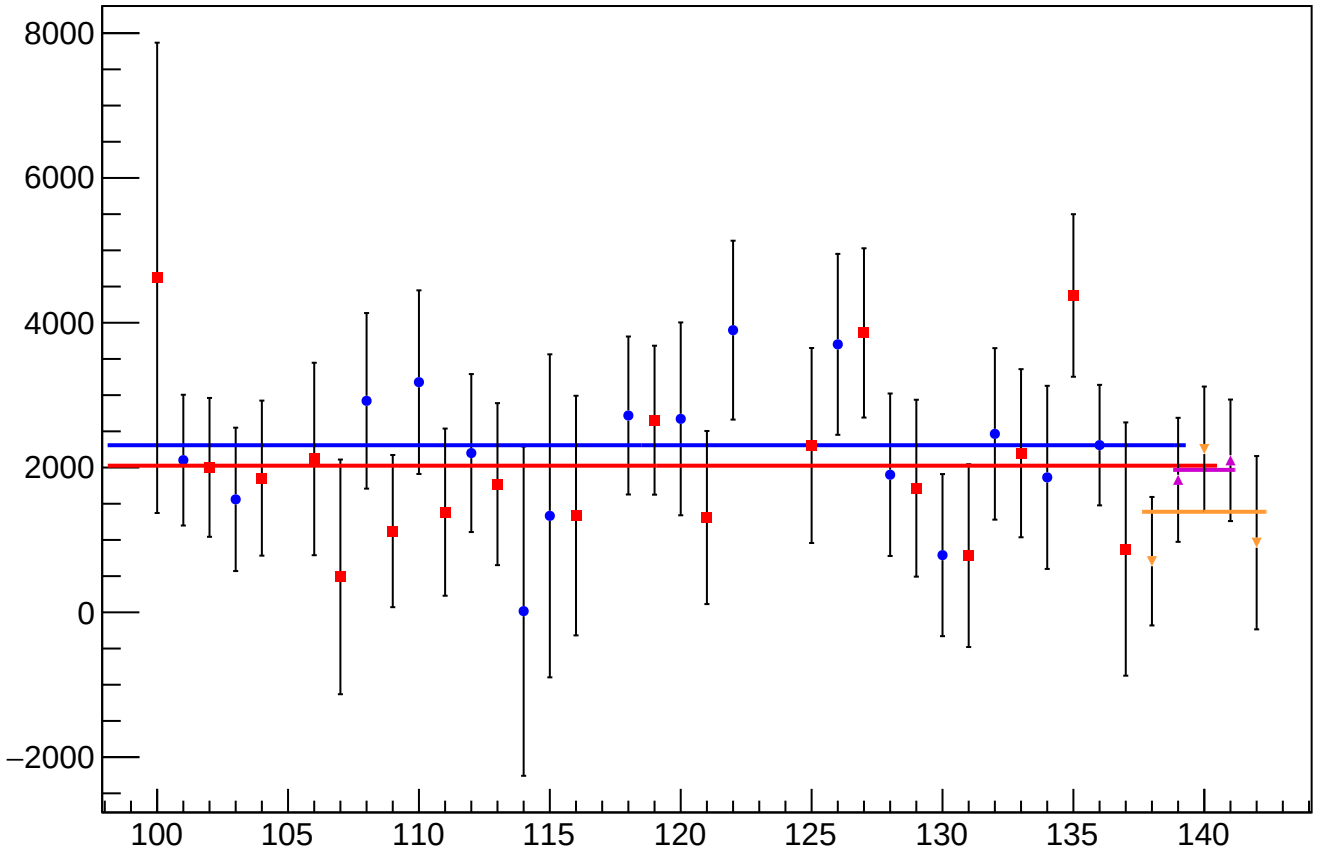
Left: 1408.834+/-0.515 χ^2/NDF: 14681.7/4

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

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

Out: 1243.012+/-0.291 χ^2/NDF:452557.3/20

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



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

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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: 1653.181+/-405.109 χ^2/NDF: 2.3/4

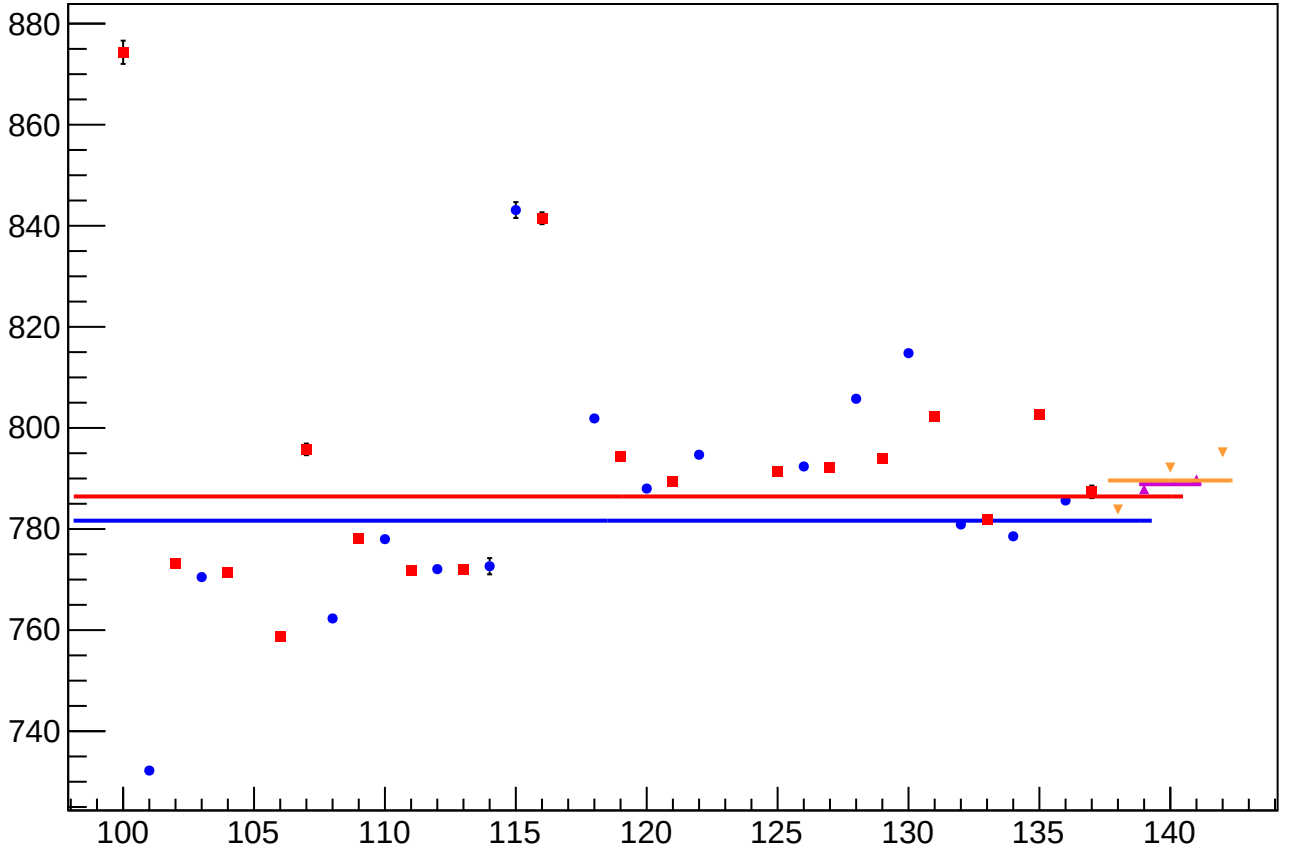
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2243.465+/-261.380 χ^2/NDF:8.1/17

Out: 1887.081+/-256.336 χ^2/NDF:14.7/20

All: 2061.801+/-183.014 χ^2/NDF: 23.8/38

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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

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

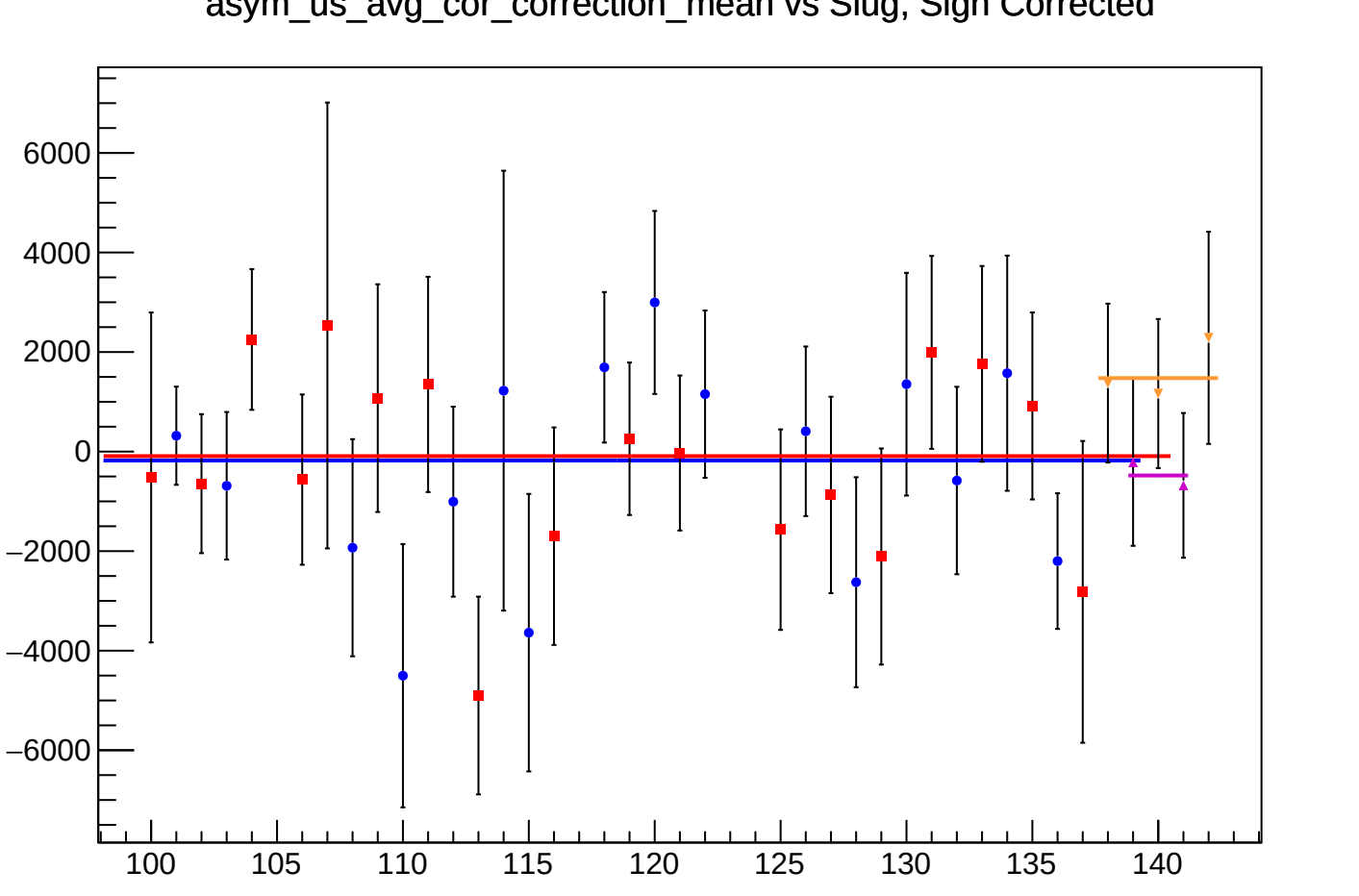
Left: 789.270+/-0.286 χ^2/NDF: 151.2/4

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

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

Out: 787.131+/-0.181 χ^2/NDF:7397.8/20

All: 785.118+/-0.129 χ^2/NDF: 20208.2/38



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

Left Out: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

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

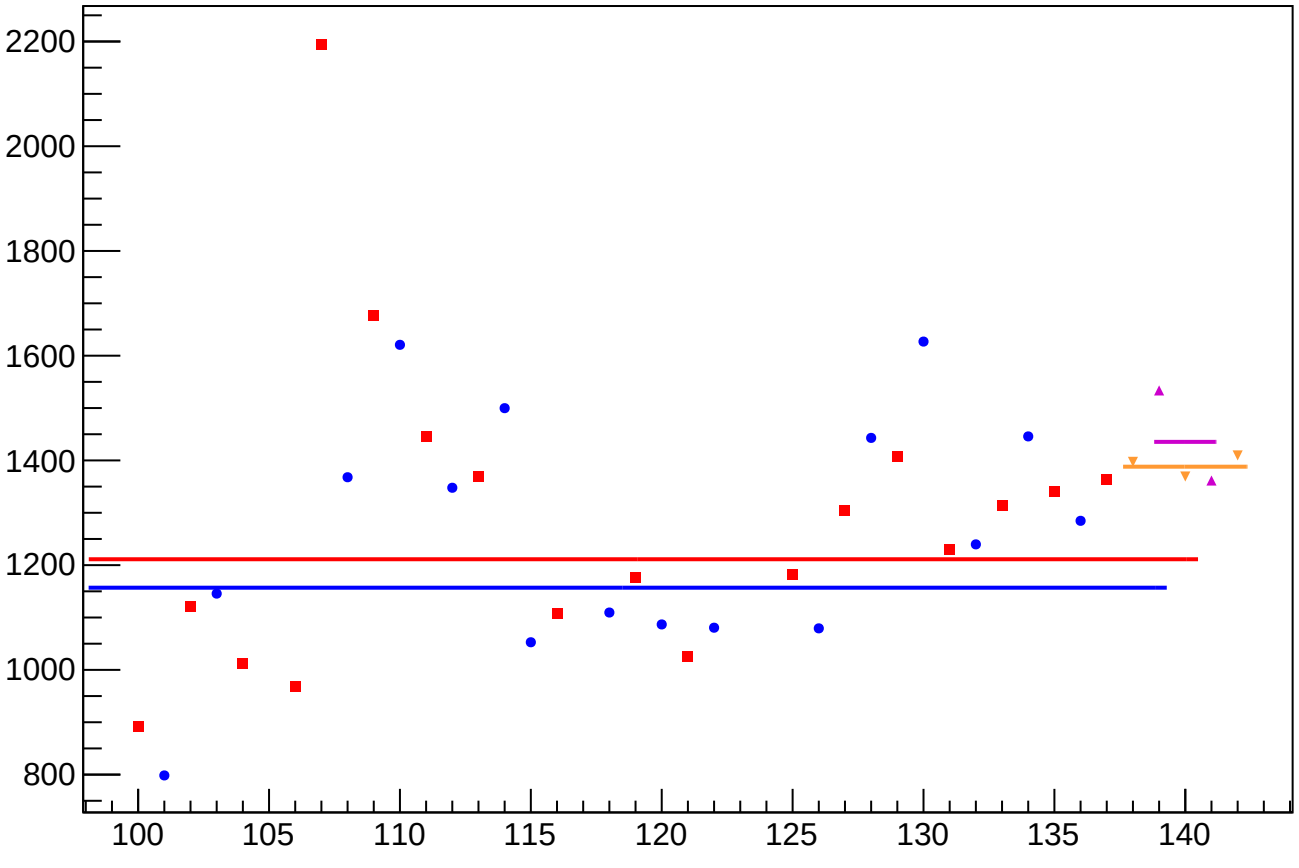
Left: 617.452+/-728.032 χ^2/NDF: 2.0/4

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

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

Out: 190.289+/-411.947 χ^2/NDF:17.5/20

All: -17.064+/-290.273 χ^2/NDF: 33.5/38



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

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

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

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

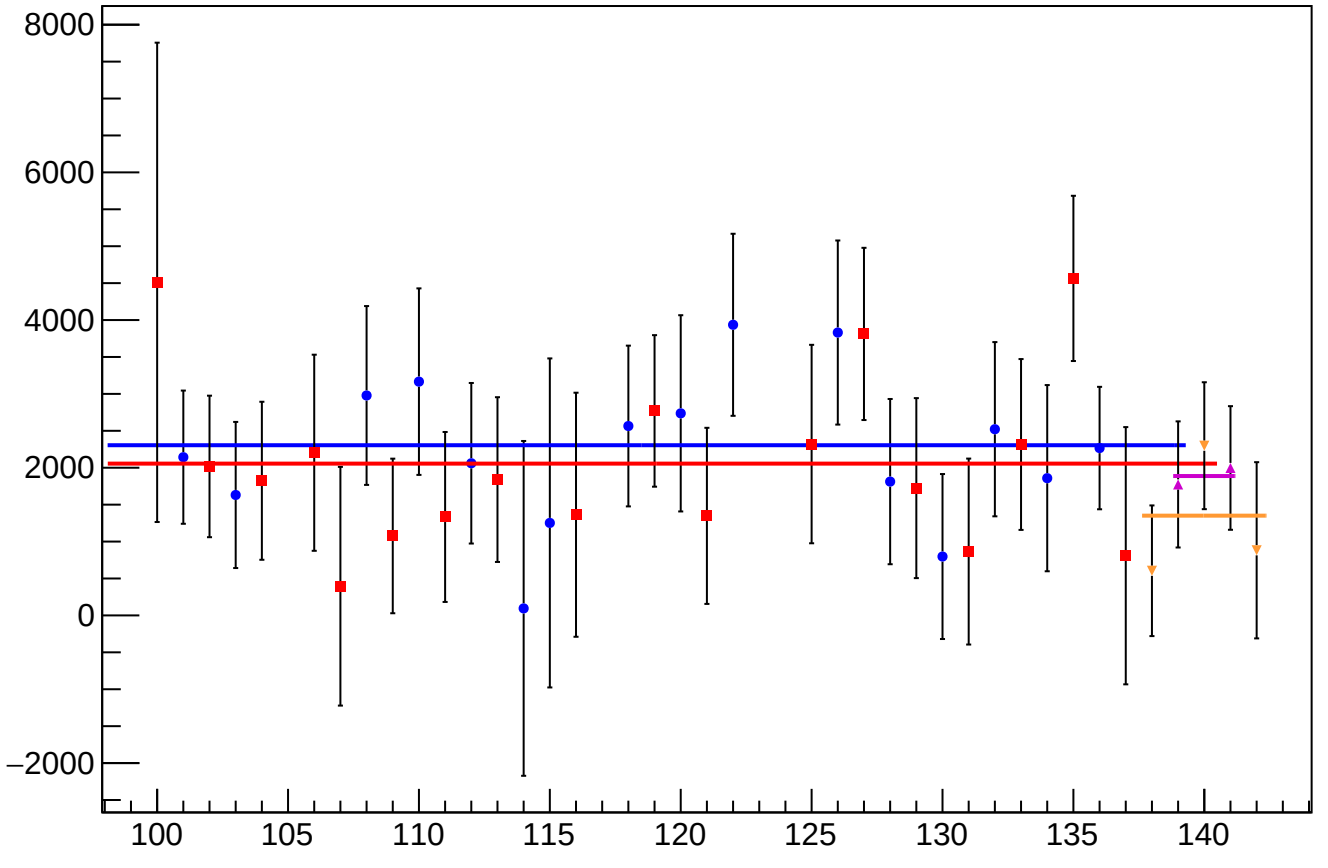
Left: 1408.834+/-0.515 χ^2/NDF: 14681.7/4

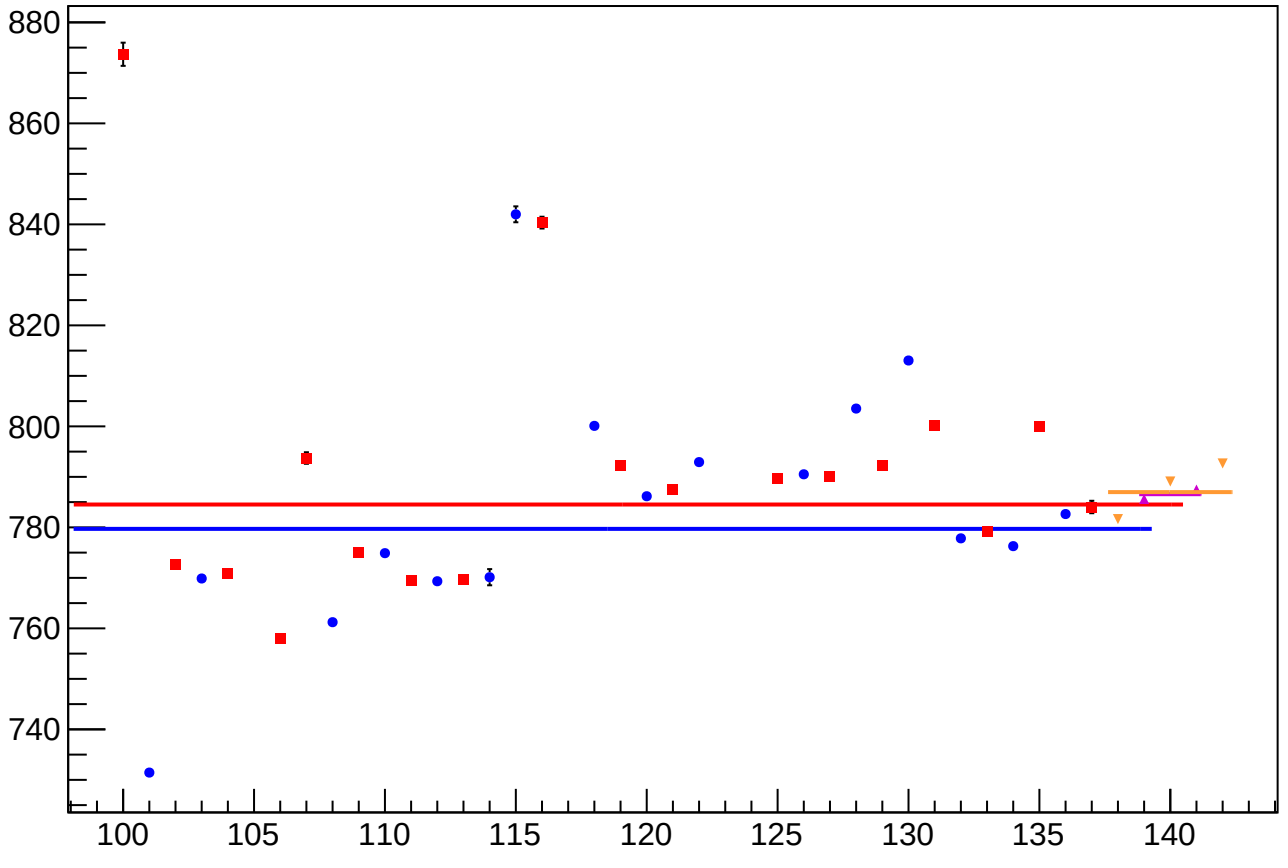
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1243.012+/-0.291 χ^2/NDF:452557.3/20

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


overload_cor_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: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1350.982+/-547.691 χ²/NDF:2.1/2
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 1887.495+/-597.817 χ²/NDF:0.0/1
Left: 1595.807+/-403.836 χ²/NDF: 2.6/4
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2225.480+/-260.705 χ²/NDF:8.5/17
Out: 1902.116+/-255.661 χ²/NDF:16.2/20
All: 2060.640+/-182.537 χ²/NDF: 25.5/38



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

Left Out: 786.983+/-0.387 χ^2/NDF:130.2/2

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

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

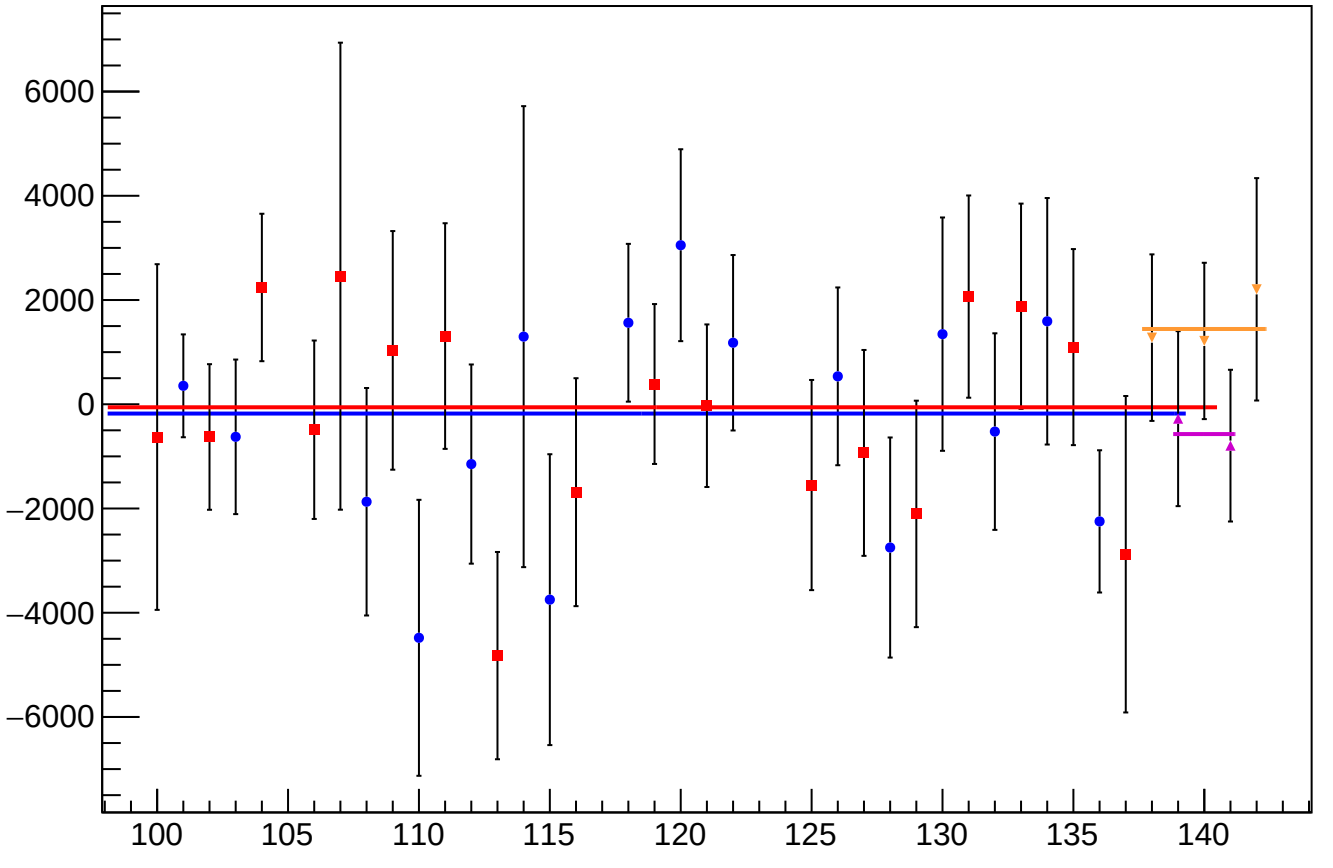
Left: 786.795+/-0.286 χ^2/NDF: 135.6/4

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

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

Out: 785.060+/-0.181 χ^2/NDF:7321.8/20

All: 783.074+/-0.129 χ^2/NDF: 19846.9/38



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

Left Out: 1444.340+/-973.077 χ^2/NDF:0.2/2

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

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

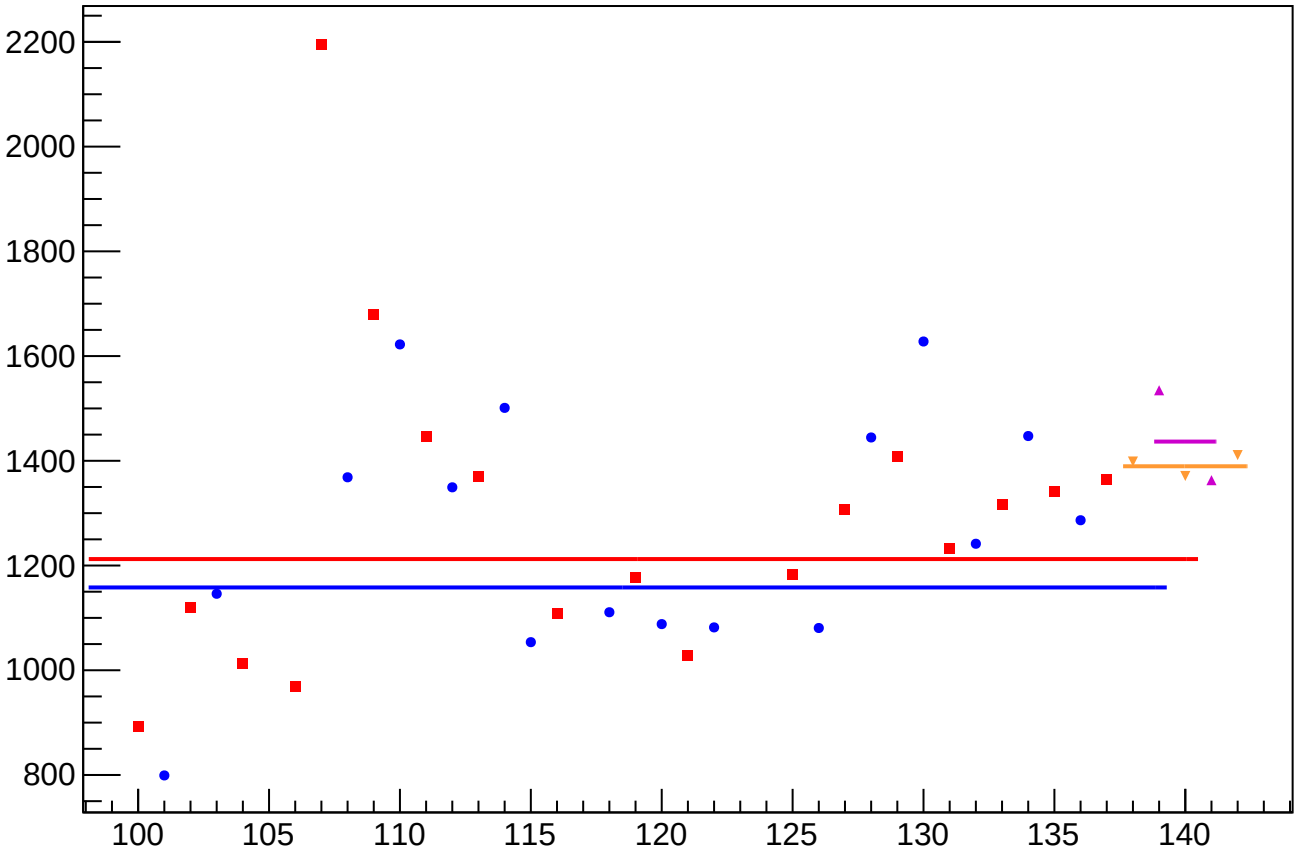
Left: 558.966+/-728.750 χ^2/NDF: 2.1/4

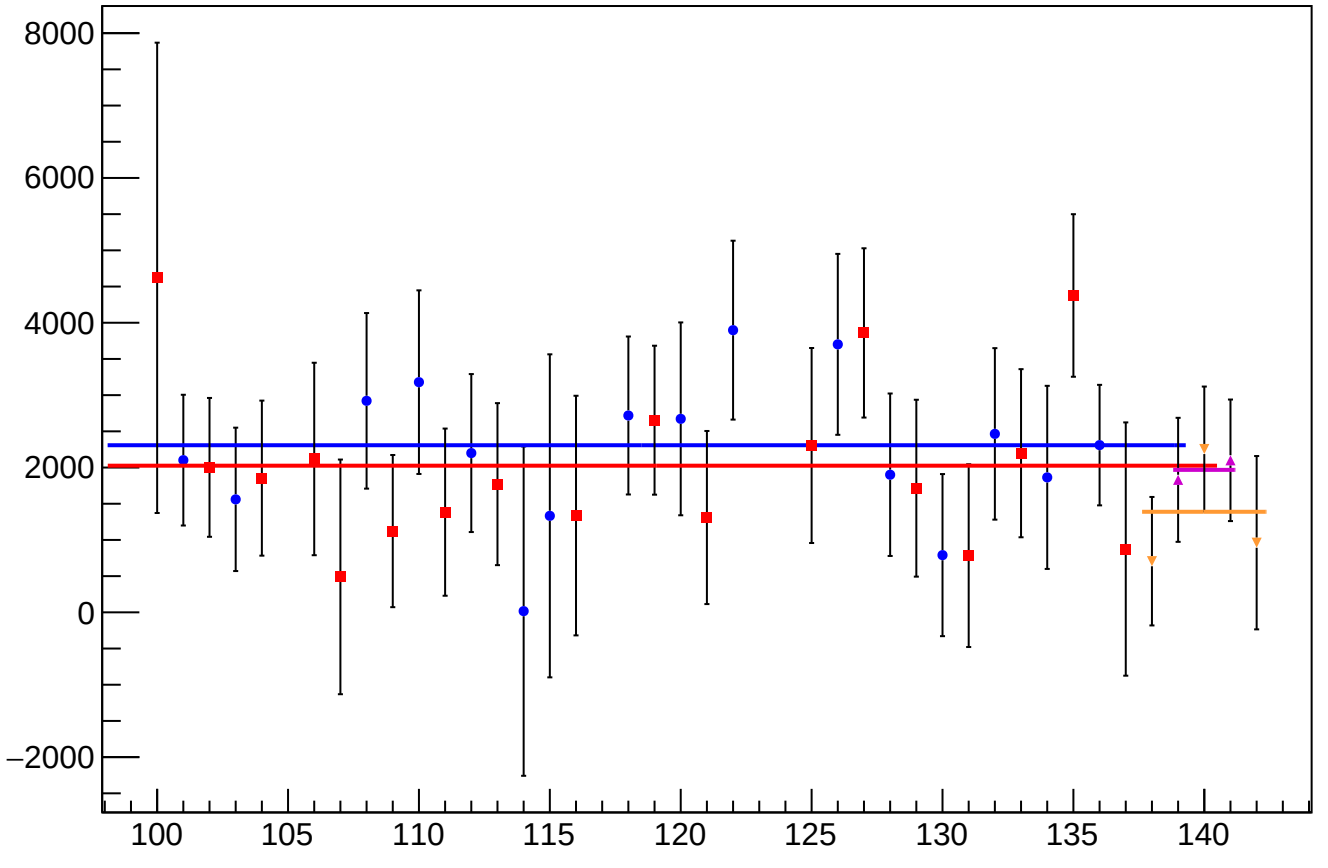
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

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

Out: 211.716+/-412.328 χ^2/NDF:17.4/20

All: -12.179+/-290.551 χ^2/NDF: 33.8/38


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: 1389.545+/-0.688 χ²/NDF:570.5/2
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1436.692+/-0.778 χ²/NDF:11941.8/1
Left: 1410.249+/-0.515 χ²/NDF: 14573.9/4
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1196.756+/-0.290 χ²/NDF:691615.6/17
Out: 1244.163+/-0.292 χ²/NDF:452922.2/20
All: 1220.296+/-0.205 χ²/NDF: 1157848.4/38



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

Left Out: 1388.917+/-549.519 χ^2/NDF:1.7/2

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

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

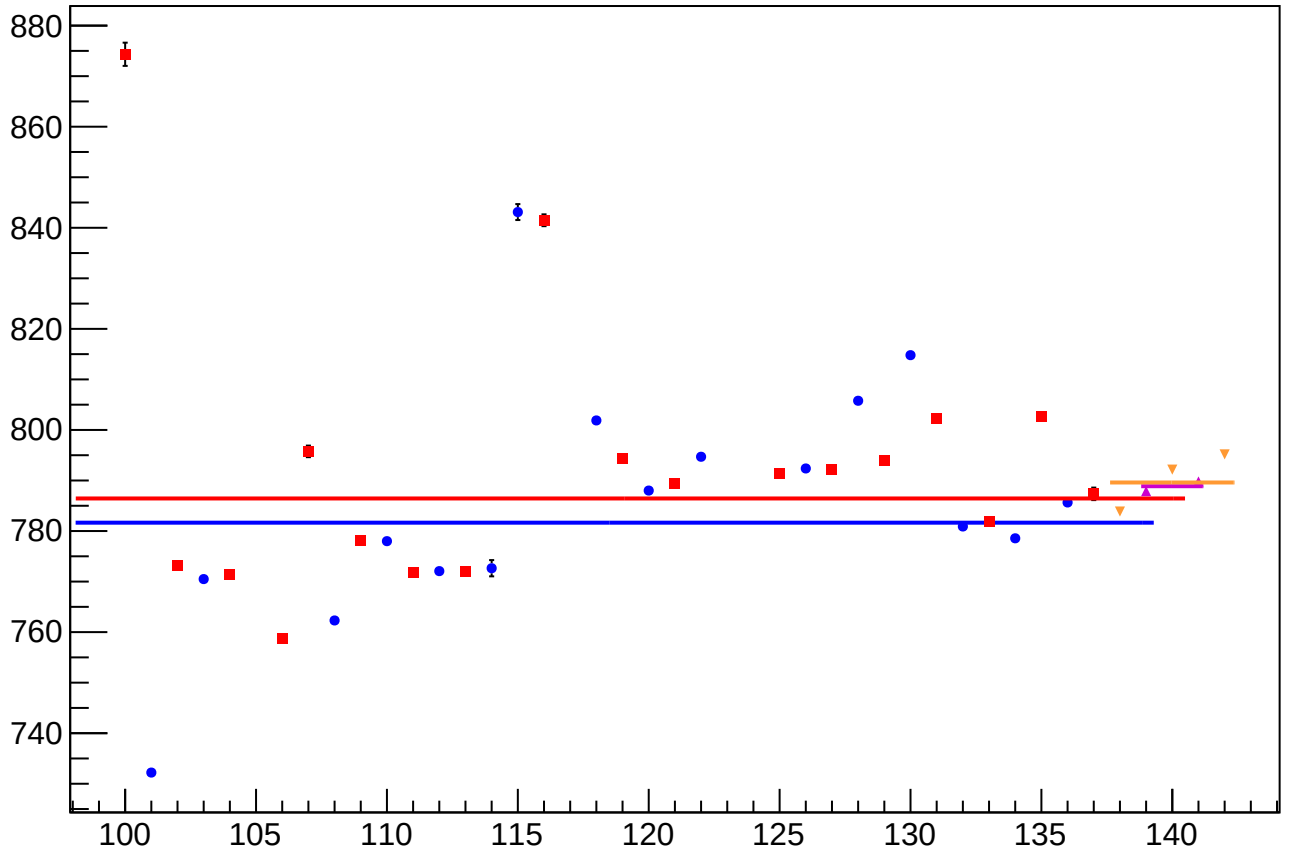
Left: 1653.181+/-405.109 χ^2/NDF: 2.3/4

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

In: 2243.465+/-261.380 χ^2/NDF:8.1/17

Out: 1887.081+/-256.336 χ^2/NDF:14.7/20

All: 2061.801+/-183.014 χ^2/NDF: 23.8/38



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

Left Out: 789.606+/-0.389 χ^2/NDF:144.5/2

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: 789.270+/-0.286 χ^2/NDF: 151.2/4

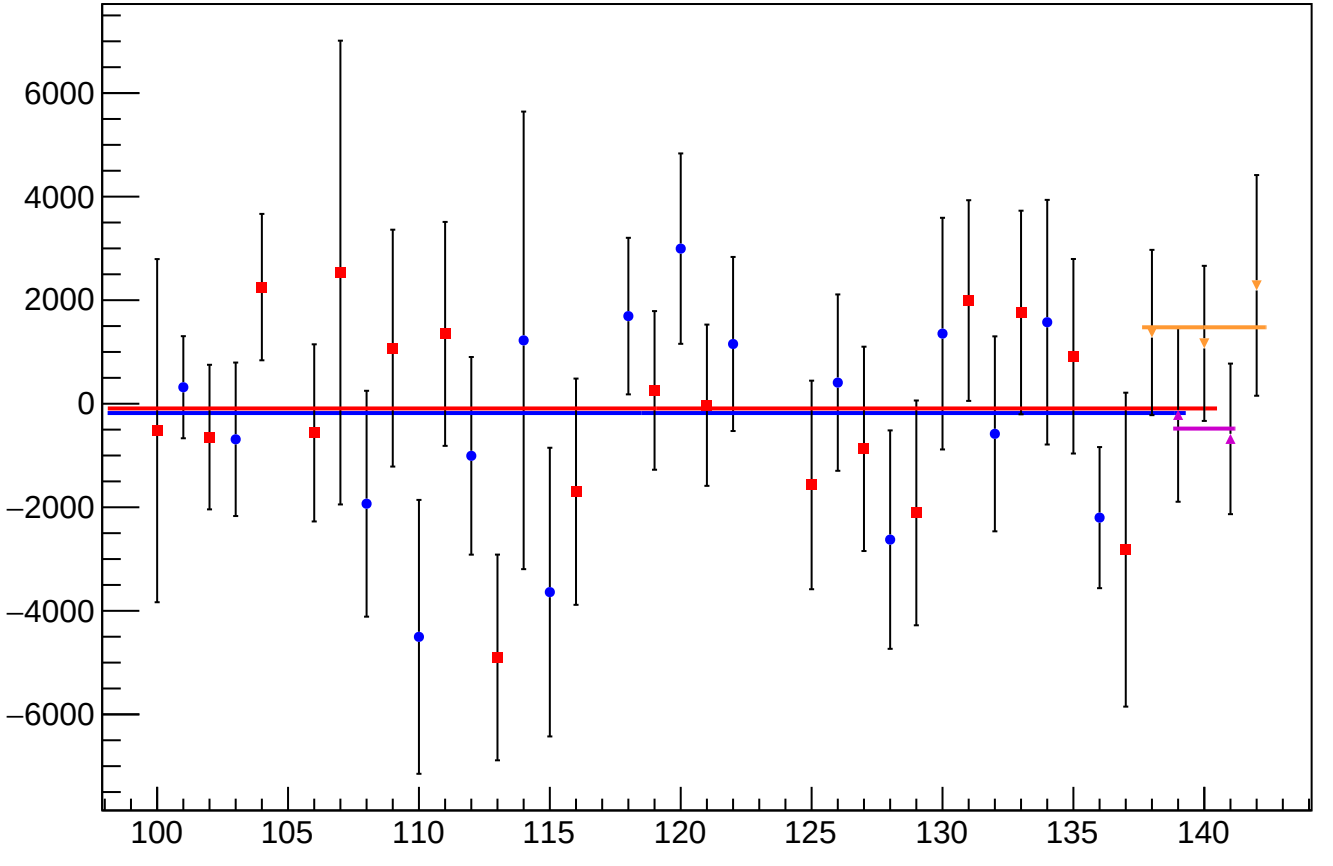
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

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

Out: 787.131+/-0.181 χ^2/NDF:7397.8/20

All: 785.118+/-0.129 χ^2/NDF: 20208.2/38

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: 1476.444+/-972.028 χ^2/NDF:0.2/2

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

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

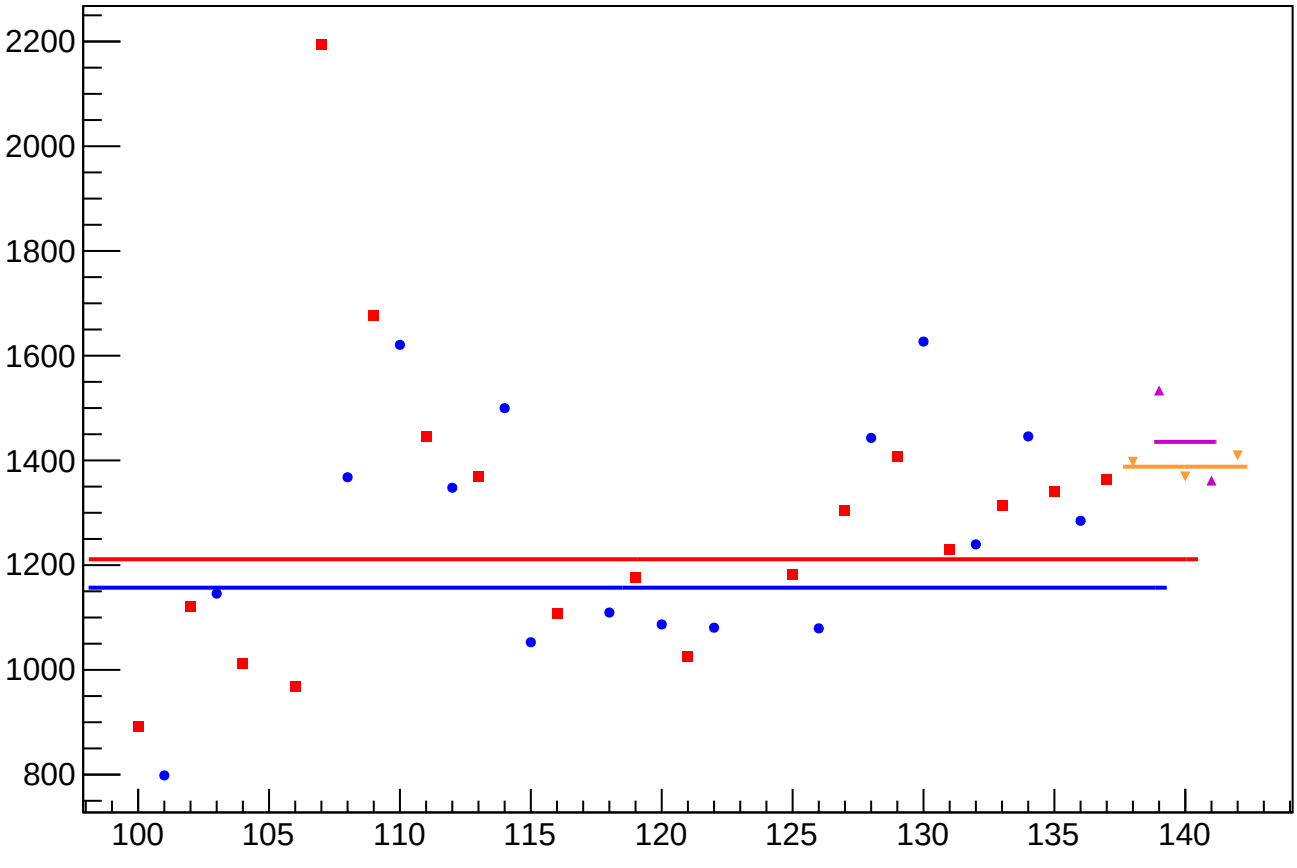
Left: 617.452+/-728.032 χ^2/NDF: 2.0/4

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

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

Out: 190.289+/-411.947 χ^2/NDF:17.5/20

All: -17.064+/-290.273 χ^2/NDF: 33.5/38



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

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

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

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

Left: 1408.834+/-0.515 χ^2/NDF: 14681.7/4

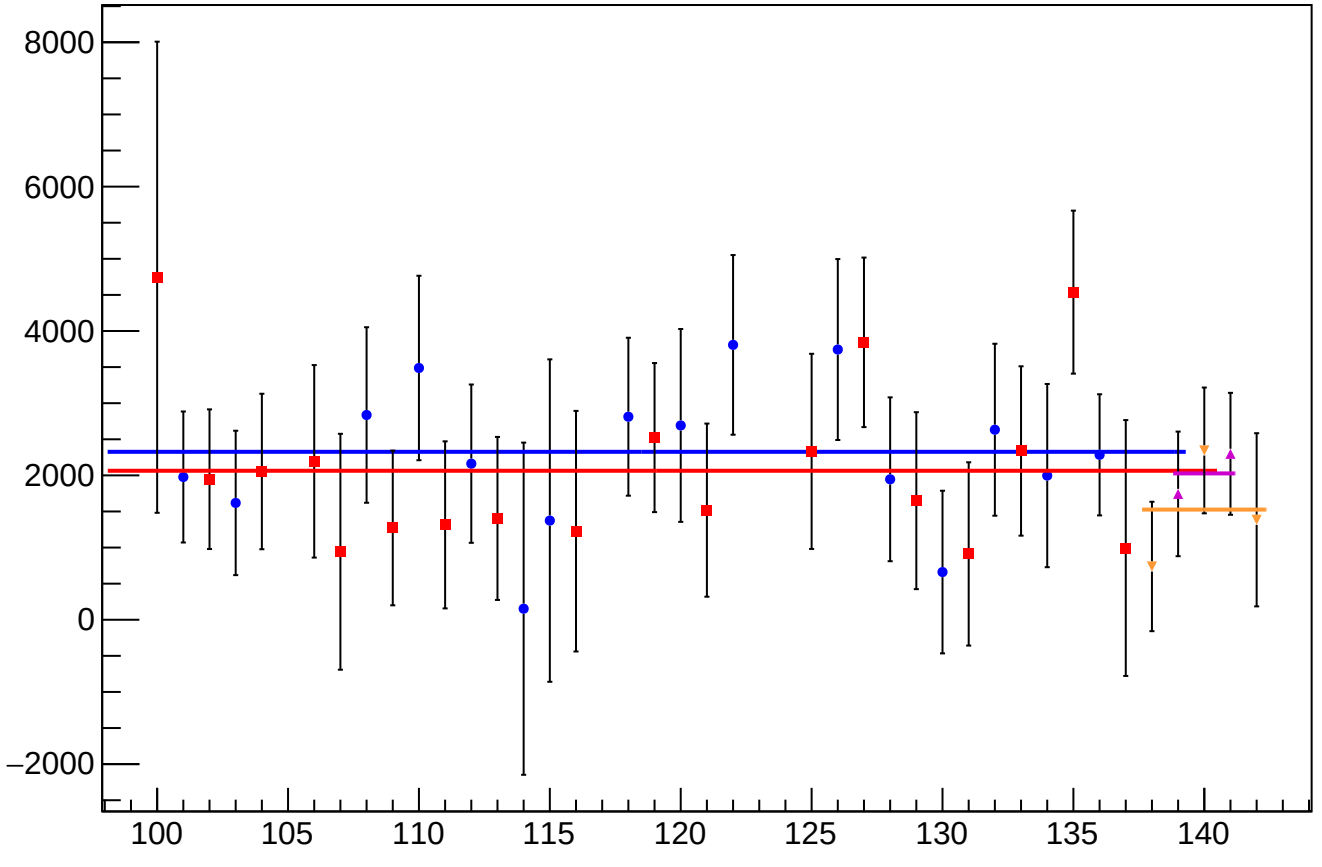
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1243.012+/-0.291 χ^2/NDF:452557.3/20

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

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1526.131+/-554.106 χ^2/NDF:1.7/2

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: 1755.245+/-408.208 χ^2/NDF: 2.3/4

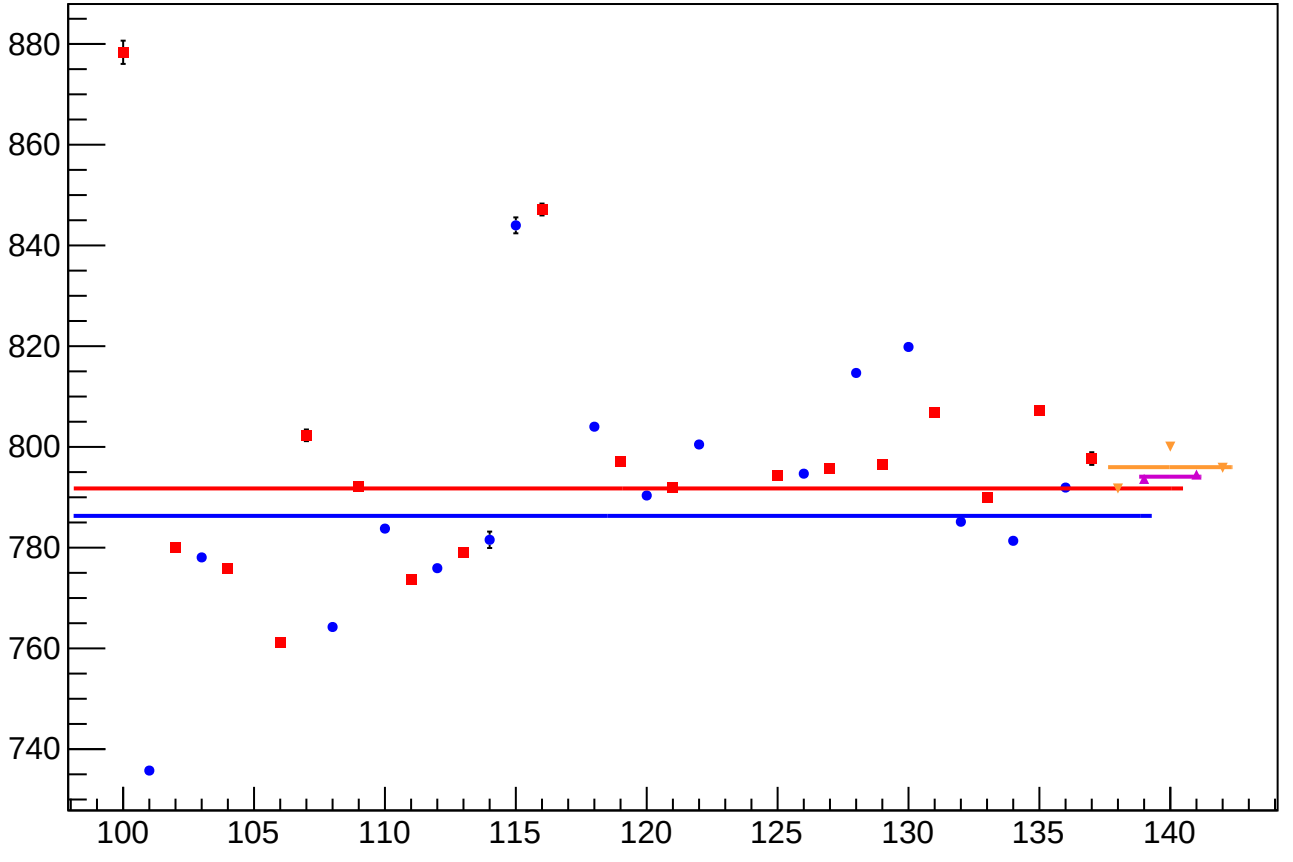
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2269.630+/-262.990 χ^2/NDF:8.6/17

Out: 1947.210+/-258.181 χ^2/NDF:14.0/20

All: 2105.445+/-184.238 χ^2/NDF: 23.4/38

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 795.982+/-0.392 χ^2/NDF:88.4/2

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

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

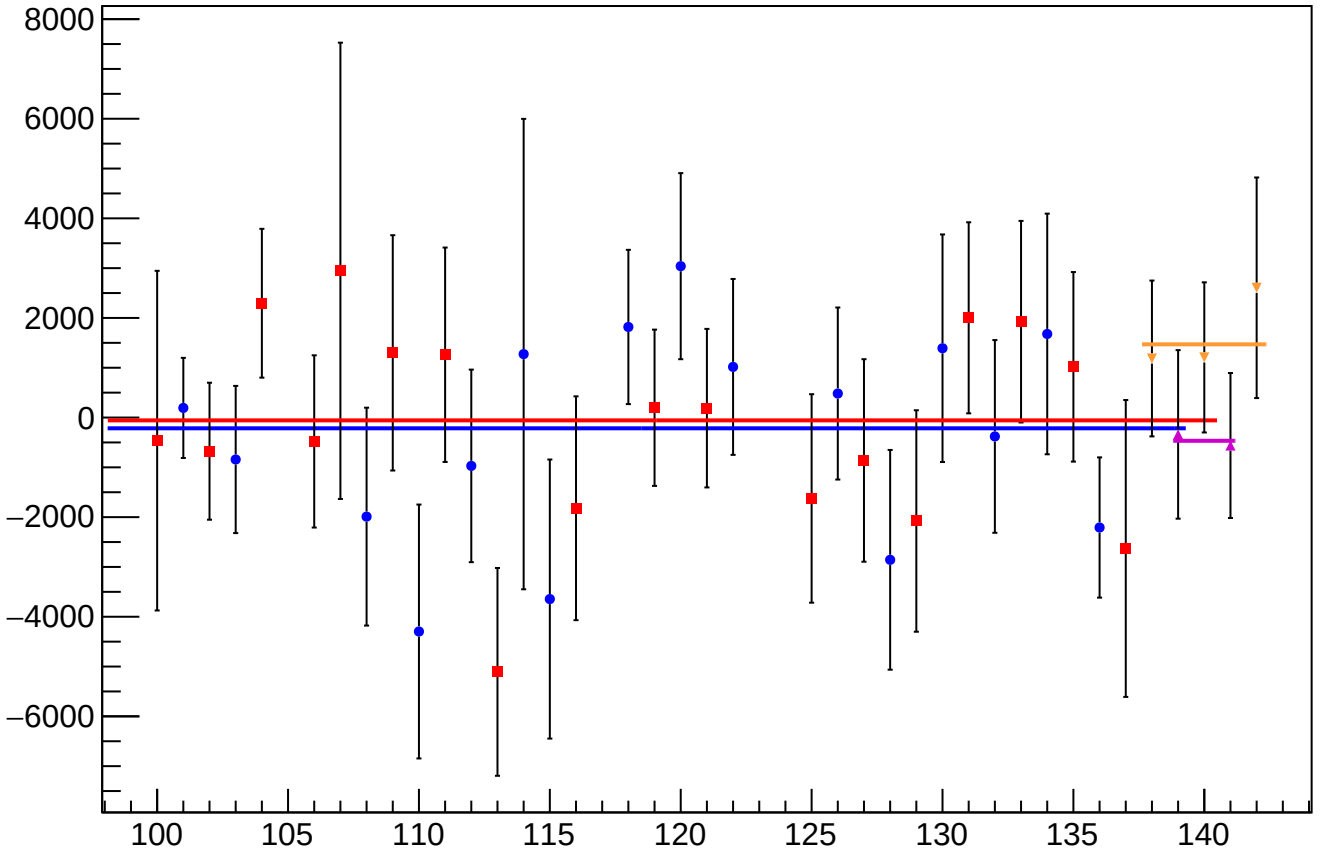
Left: 795.117+/-0.289 χ^2/NDF: 100.1/4

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

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

Out: 792.674+/-0.183 χ^2/NDF:7194.6/20

All: 790.275+/-0.130 χ^2/NDF: 20387.6/38



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

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

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

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

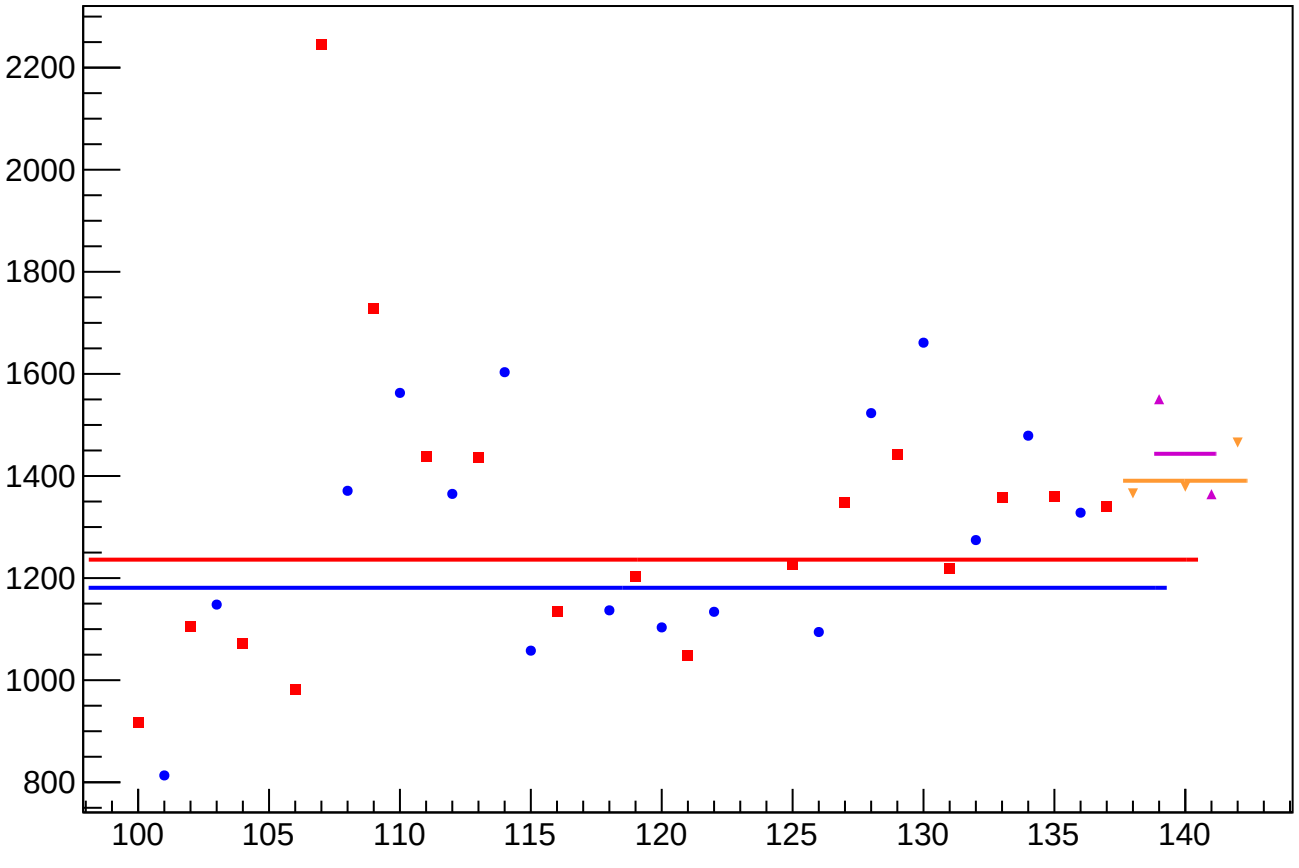
Left: 621.319+/-730.598 χ^2/NDF: 2.1/4

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

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

Out: 225.250+/-418.939 χ^2/NDF:17.5/20

All: -14.785+/-295.307 χ^2/NDF: 33.4/38



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

Left Out: 1390.706+/-0.689 χ^2/NDF:2908.1/2

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

Left In: 1443.500+/-0.780 χ^2/NDF:13896.1/1

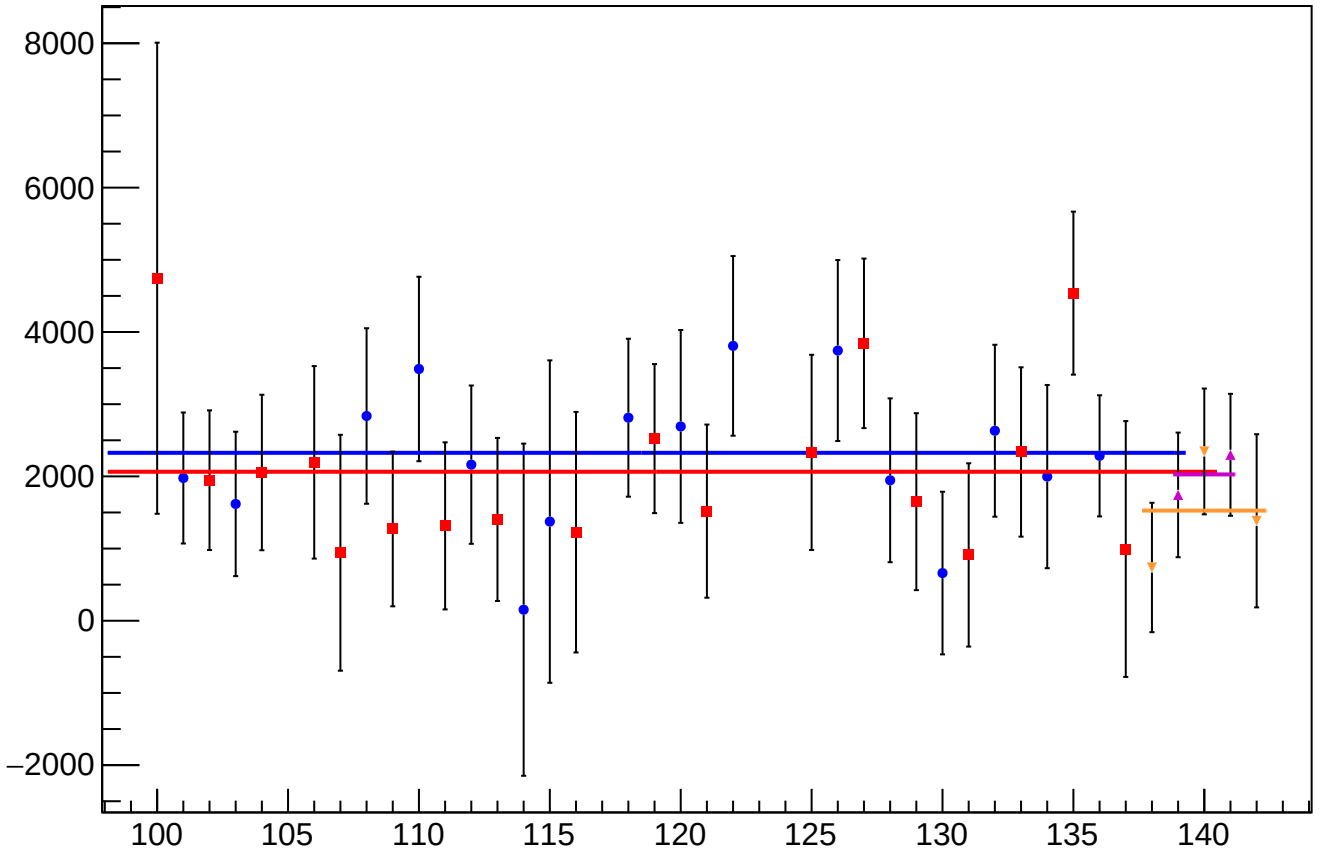
Left: 1413.841+/-0.517 χ^2/NDF: 19375.2/4

Right: 1207.695+/-0.228 χ^2/NDF: 982917.9/33

In: 1218.351+/-0.294 χ^2/NDF:682047.1/17

Out: 1264.687+/-0.296 χ^2/NDF:441152.7/20

All: 1241.374+/-0.209 χ^2/NDF: 1135509.0/38



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

Left Out: 1526.134+/-554.106 χ^2/NDF:1.7/2

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

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

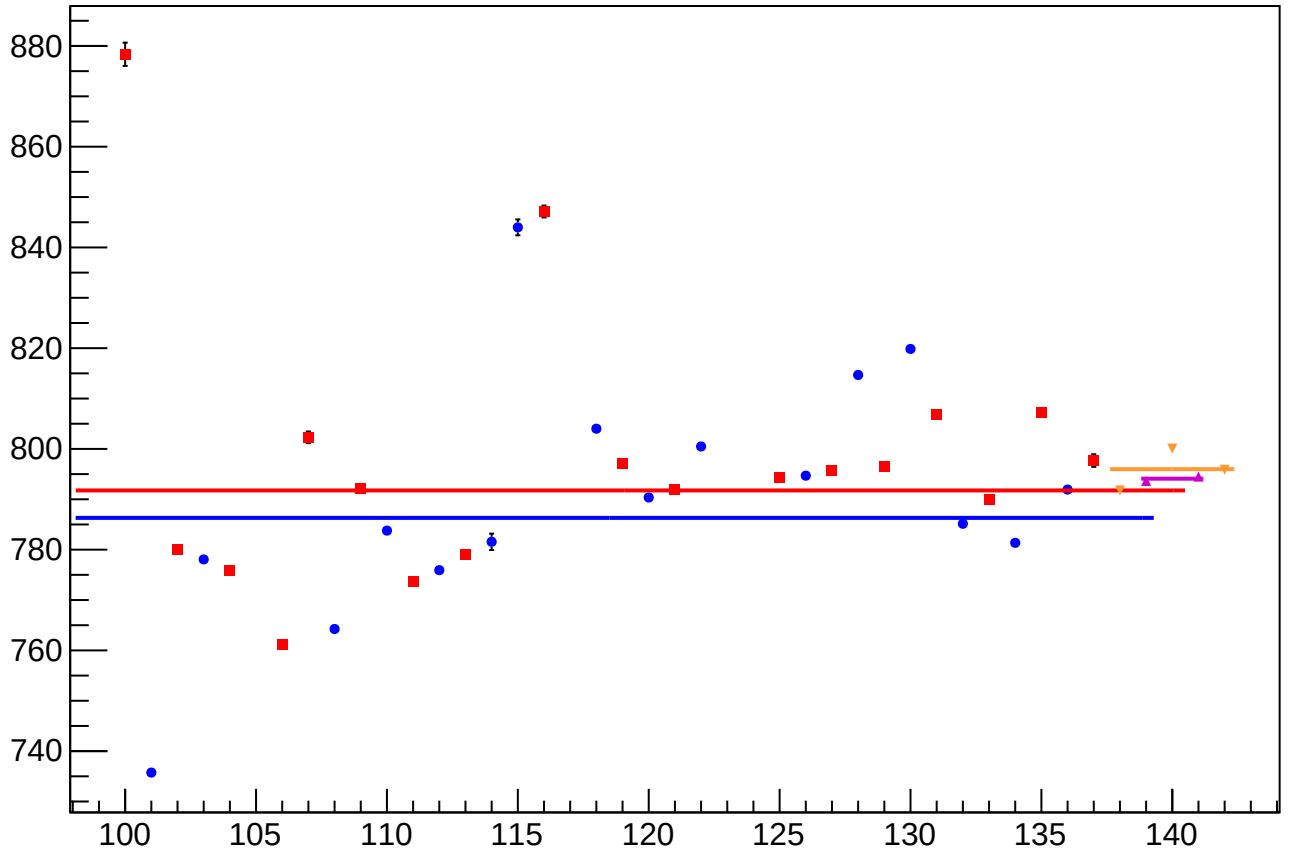
Left: 1755.246+/-408.208 χ^2/NDF: 2.3/4

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

In: 2269.629+/-262.990 χ^2/NDF:8.6/17

Out: 1947.209+/-258.181 χ^2/NDF:14.0/20

All: 2105.444+/-184.238 χ^2/NDF: 23.4/38



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

Left Out: 795.982+/-0.392 χ^2/NDF:88.4/2

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: 795.117+/-0.289 χ^2/NDF: 100.1/4

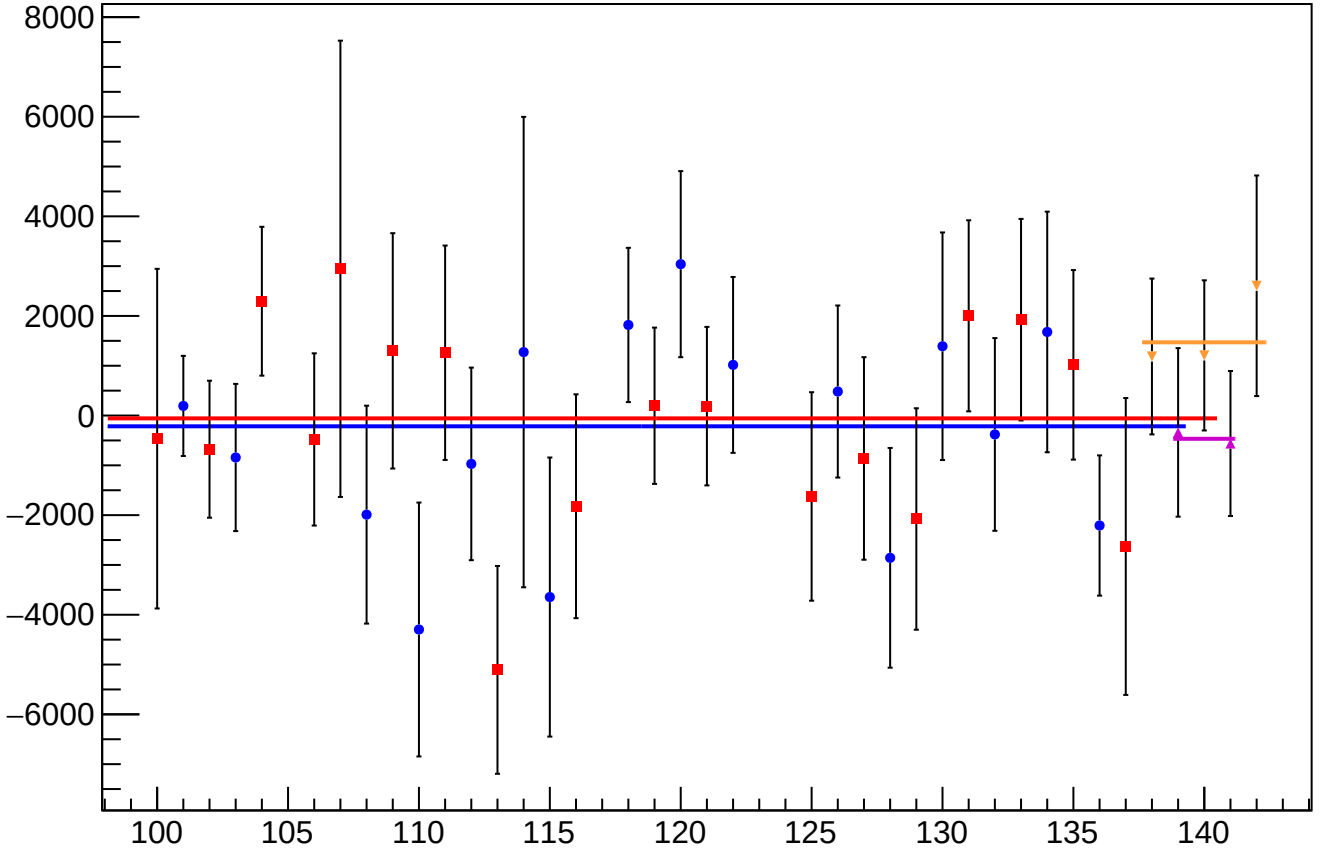
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

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

Out: 792.673+/-0.183 χ^2/NDF:7194.6/20

All: 790.275+/-0.130 χ^2/NDF: 20387.6/38

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 621.320+/-730.600 χ^2/NDF: 2.1/4

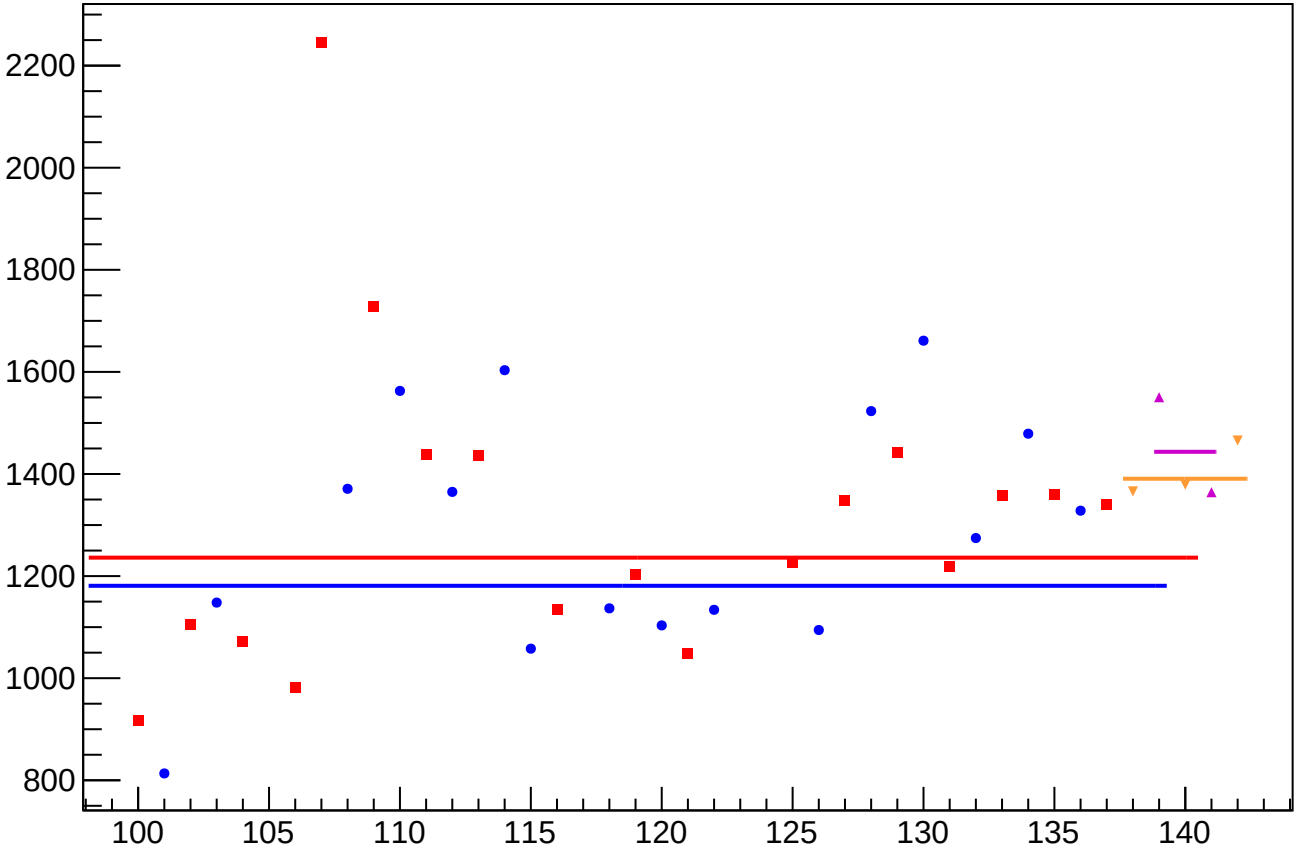
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

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

Out: 225.249+/-418.939 χ^2/NDF:17.5/20

All: -14.785+/-295.306 χ^2/NDF: 33.4/38

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: 1390.709+/-0.689 χ^2/NDF:2908.1/2

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

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

Left: 1413.844+/-0.517 χ^2/NDF: 19375.3/4

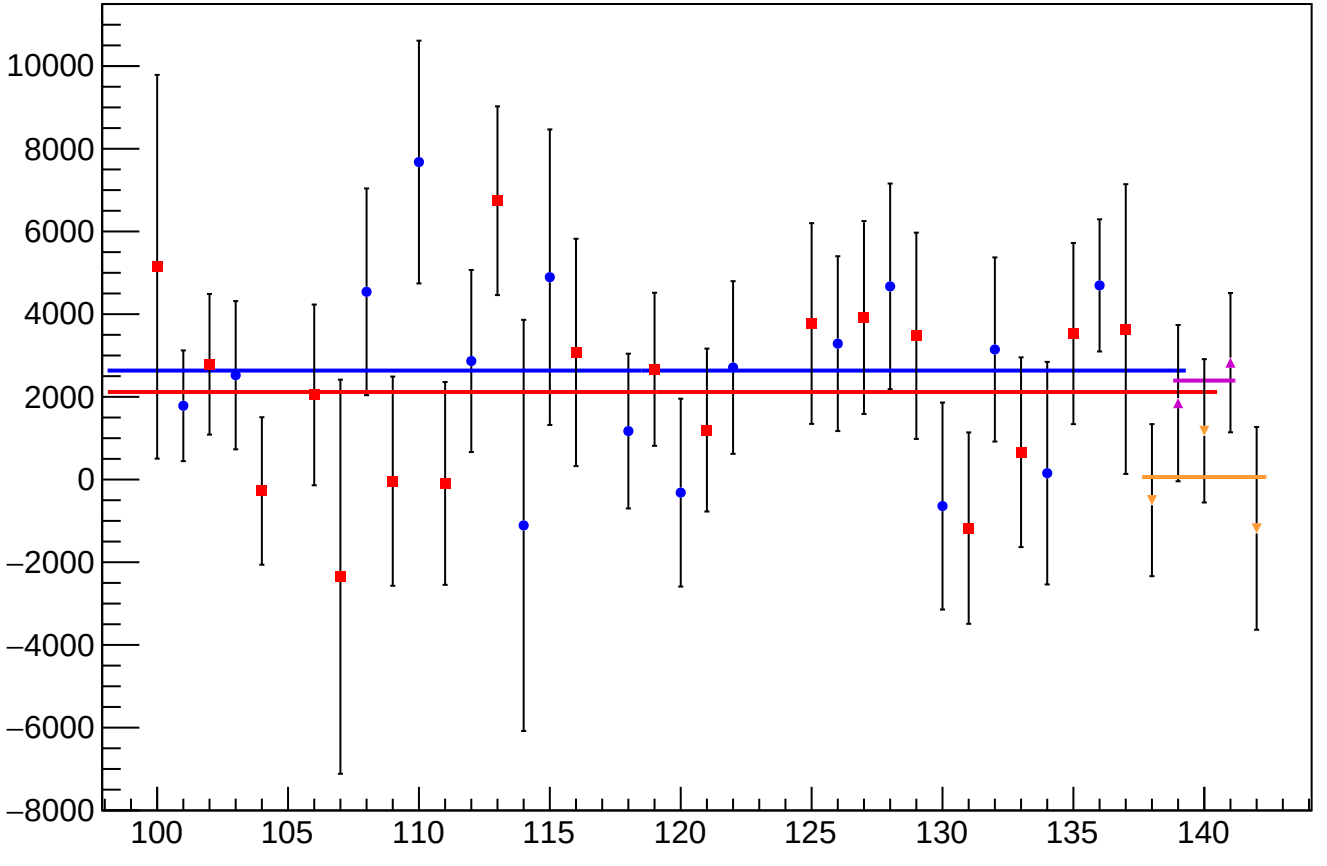
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1264.684+/-0.296 χ^2/NDF:441154.5/20

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

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 60.649+/-1121.520 χ^2/NDF:0.8/2

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: 1094.207+/-836.969 χ^2/NDF: 2.8/4

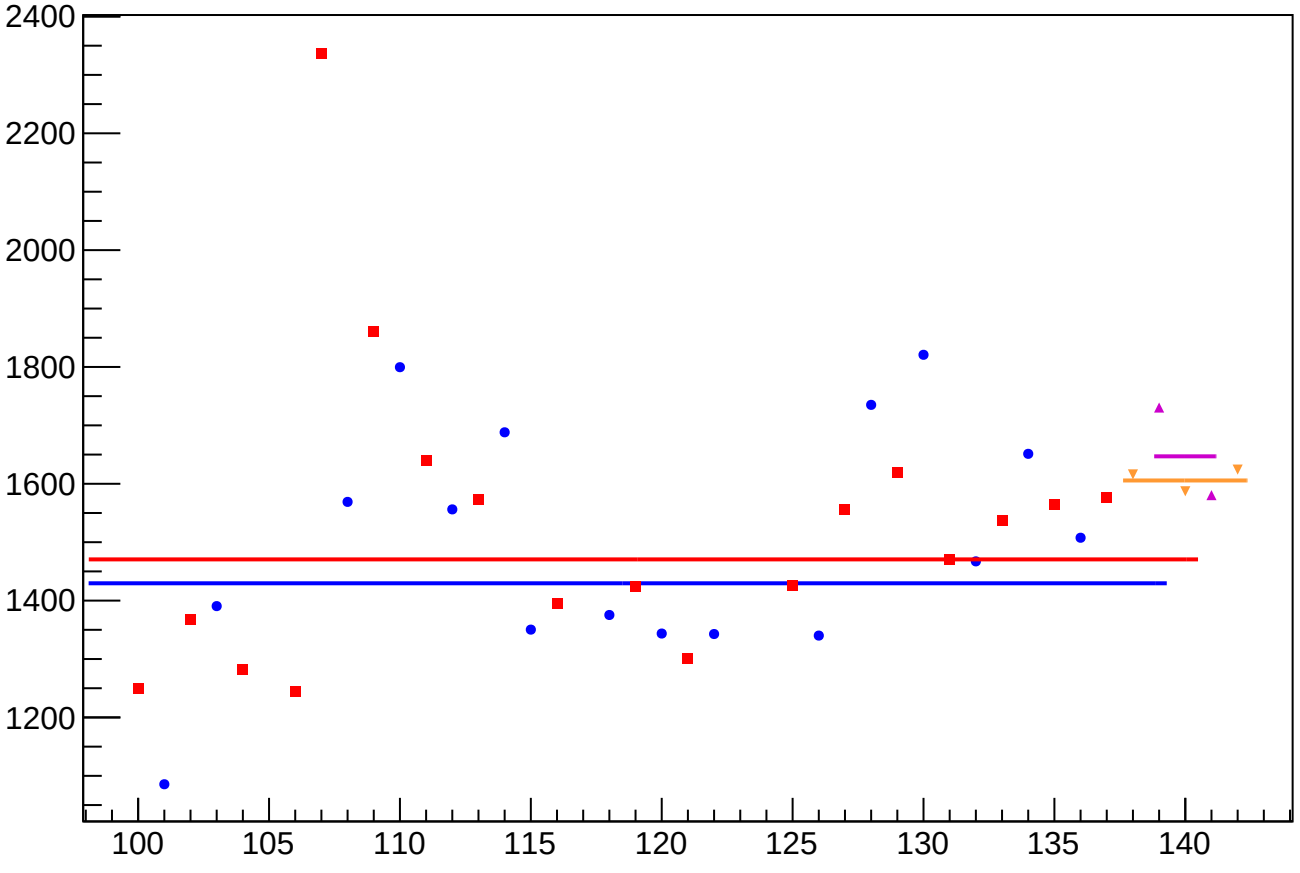
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1721.401+/-491.991 χ^2/NDF:17.2/20

All: 2157.309+/-348.828 χ^2/NDF: 31.2/38

asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

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

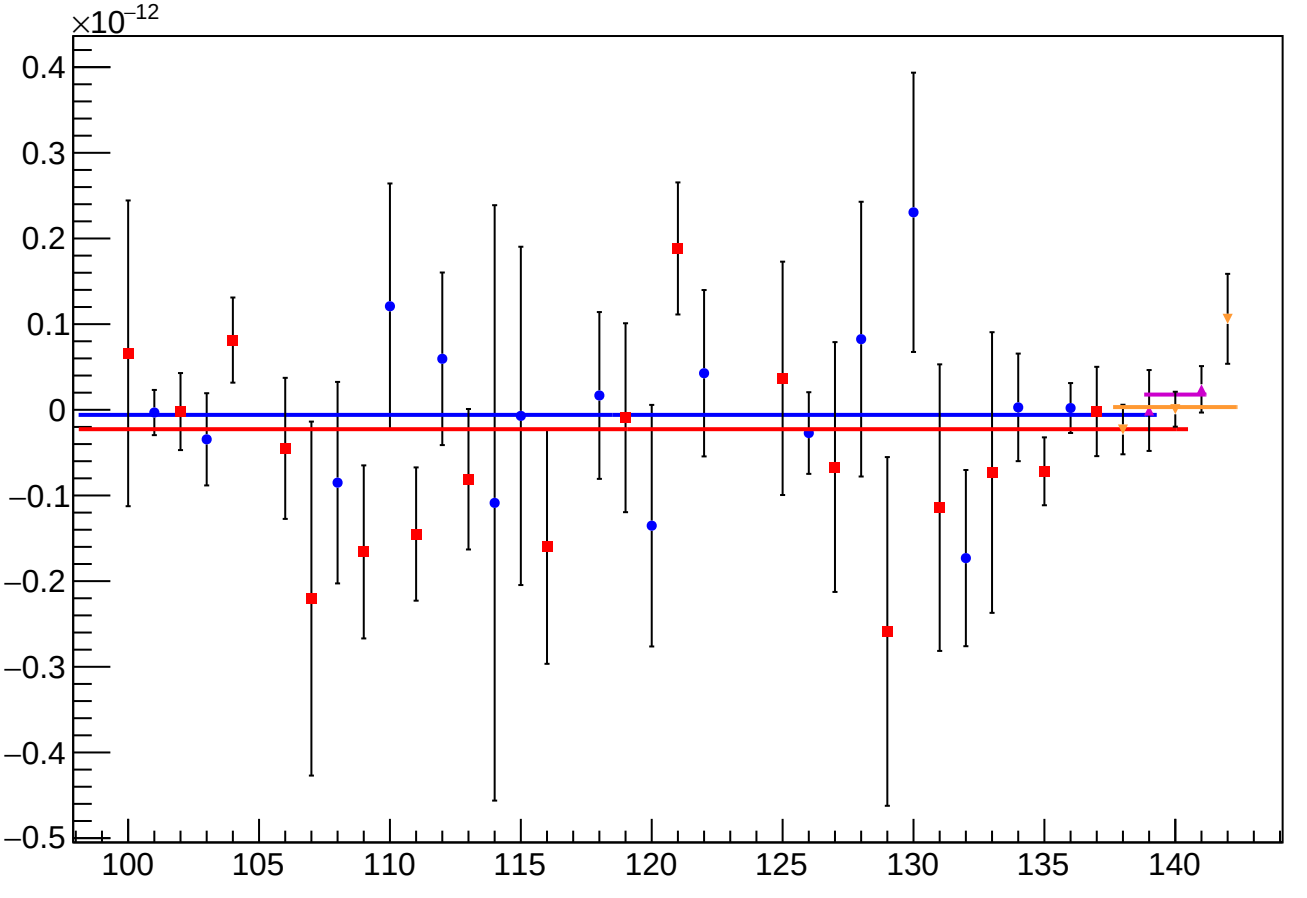
Left: 1623.981+/-0.592 χ^2/NDF: 8629.3/4

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

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

Out: 1496.566+/-0.348 χ^2/NDF:241914.7/20

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/2

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

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

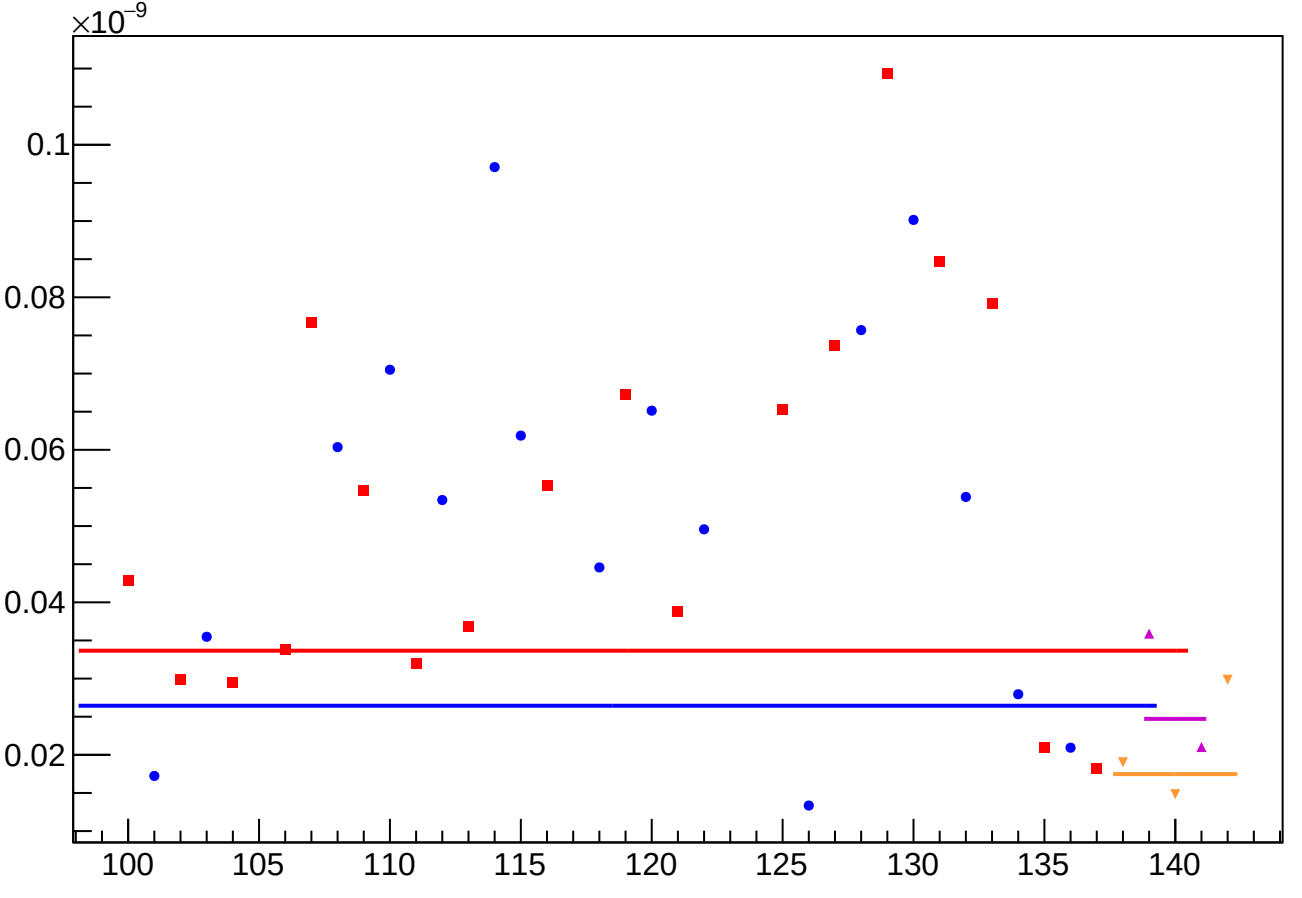
Left: 0.000+/-0.000 χ^2/NDF: 5.2/4

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:28.9/20

All: -0.000+/-0.000 χ^2/NDF: 38.6/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:150105.9/2

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

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

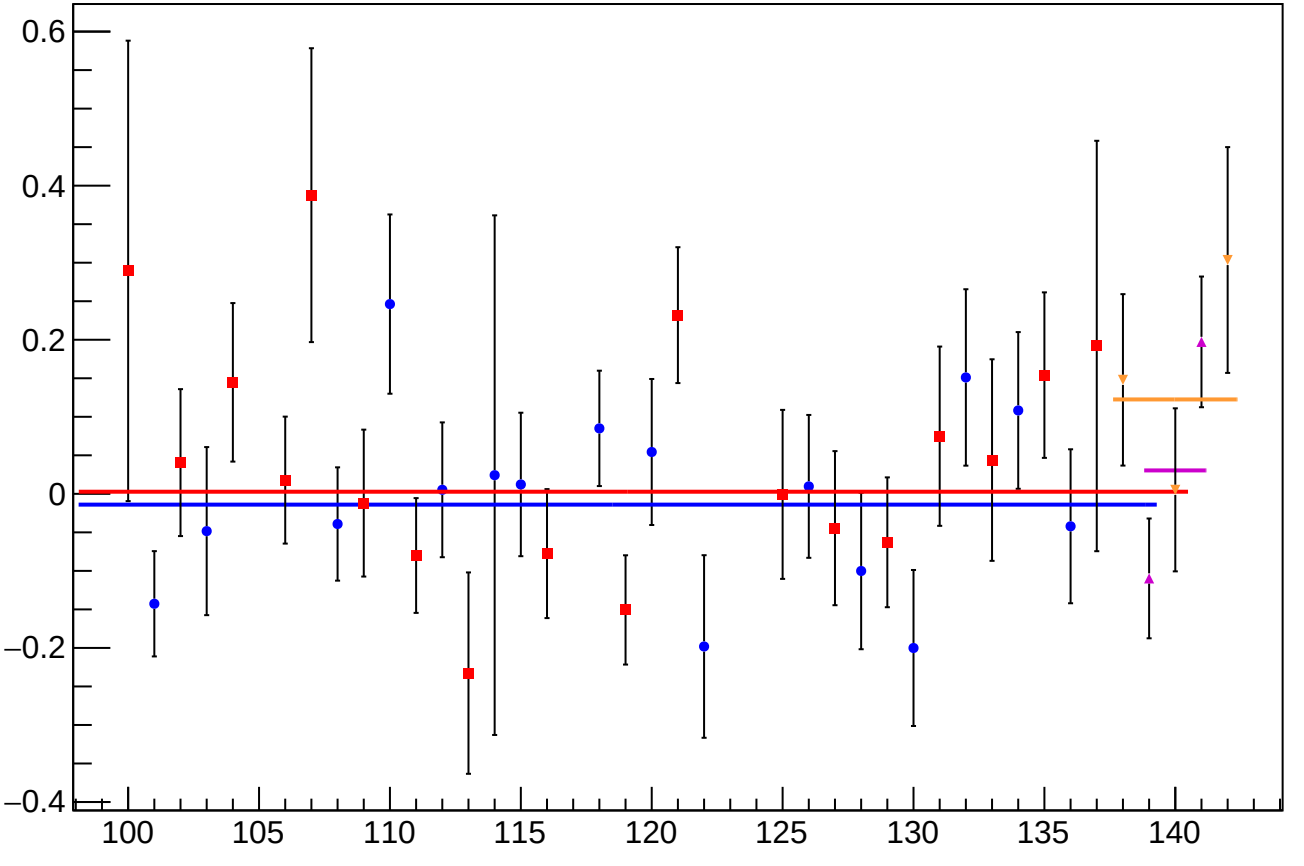
Left: 0.000+/-0.000 χ^2/NDF: 429534.8/4

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:2759837.4/20

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



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

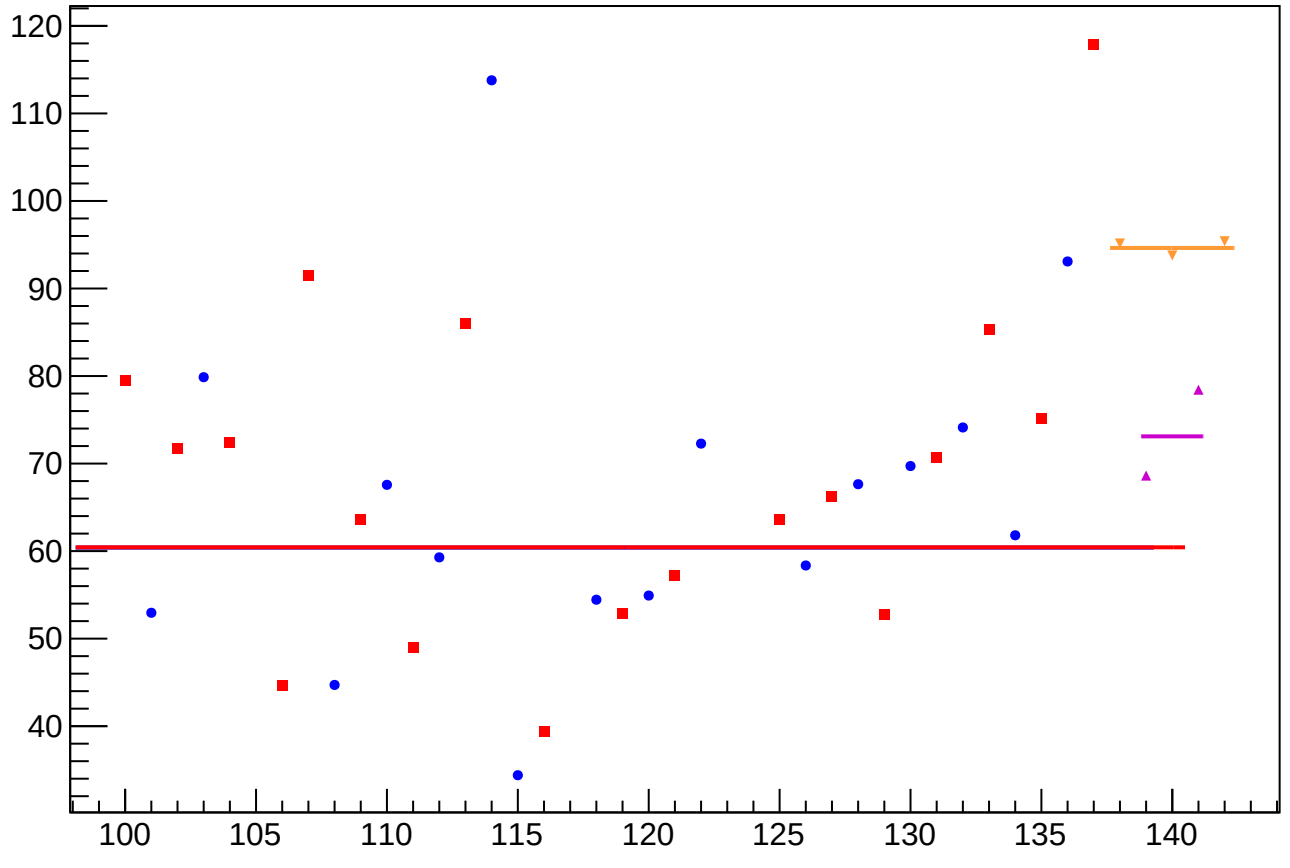
Left: 0.069+/-0.044 χ^2/NDF: 11.0/4

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

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.004+/-0.016 χ^2/NDF: 62.9/38



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.6/2

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

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

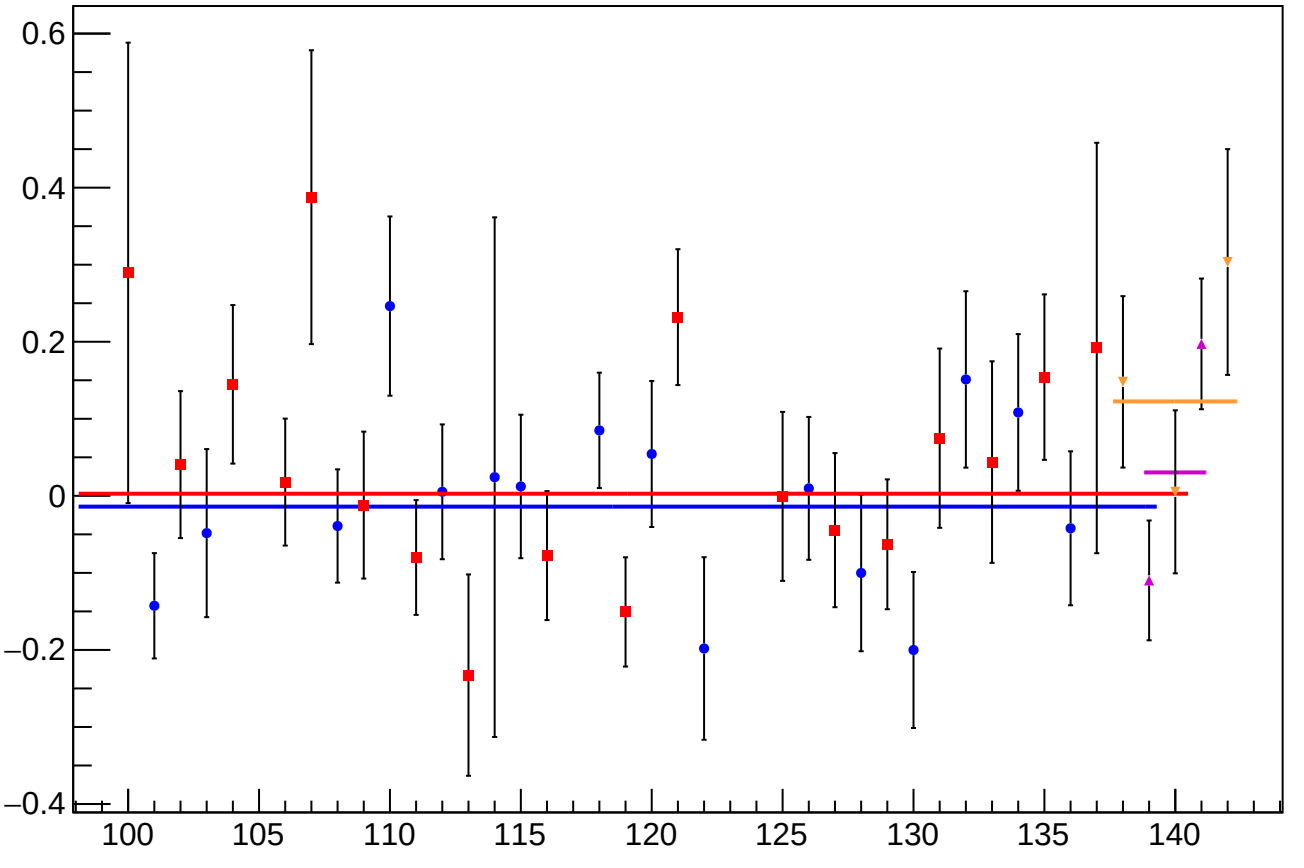
Left: 82.059+/-0.031 χ^2/NDF: 132063.8/4

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

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

Out: 64.171+/-0.016 χ^2/NDF:1162786.3/20

All: 63.206+/-0.011 χ^2/NDF: 1971567.6/38



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

Left: 0.069+/-0.044 χ^2/NDF: 11.0/4

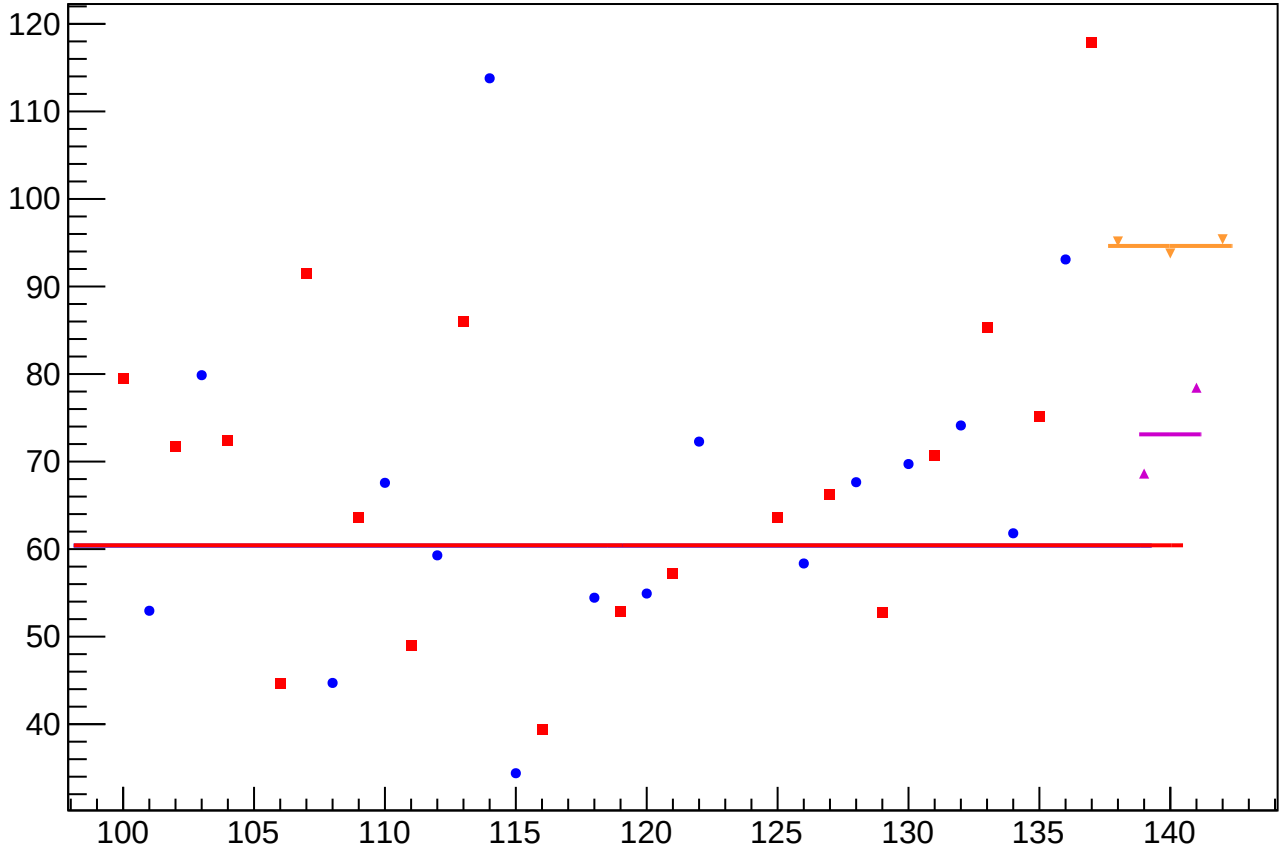
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.004+/-0.016 χ^2/NDF: 62.9/38

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: 94.634+/-0.048 χ^2/NDF:227.6/2

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: 82.059+/-0.031 χ^2/NDF: 132063.8/4

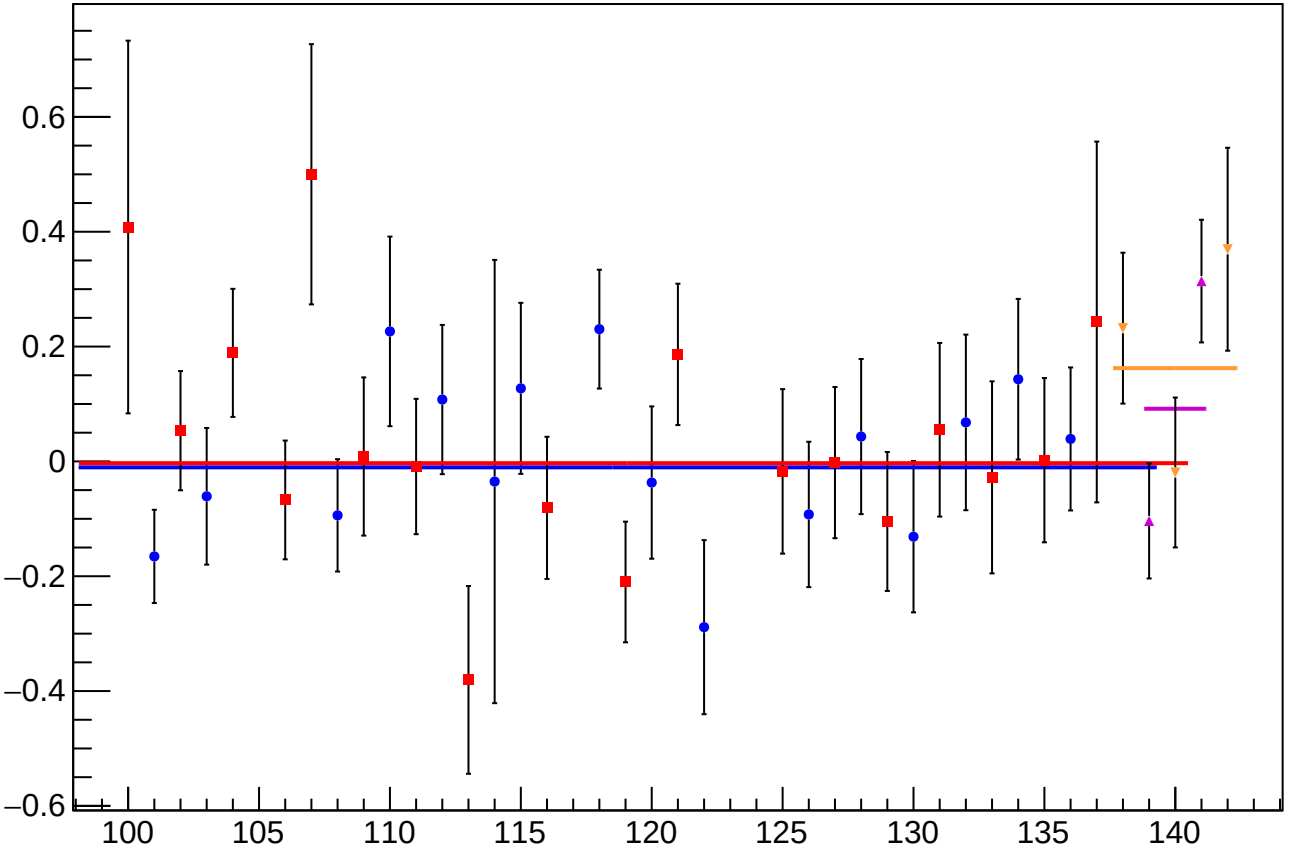
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

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

Out: 64.171+/-0.016 χ^2/NDF:1162786.3/20

All: 63.206+/-0.011 χ^2/NDF: 1971567.6/38

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.162+/-0.082 χ^2/NDF:3.6/2

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

Left In: 0.092+/-0.073 χ^2/NDF:8.1/1

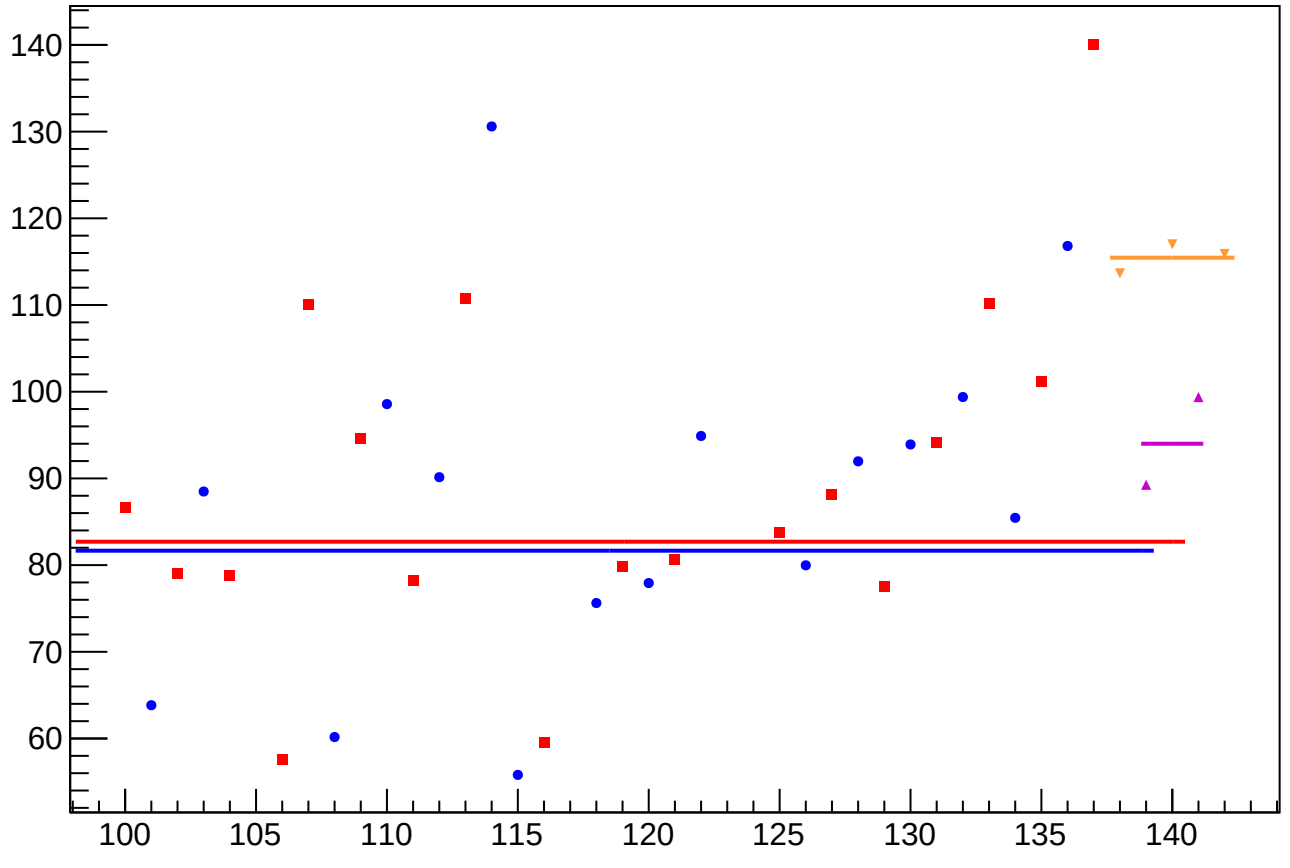
Left: 0.123+/-0.055 χ^2/NDF: 12.1/4

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

In: 0.006+/-0.029 χ^2/NDF:29.9/17

Out: 0.018+/-0.030 χ^2/NDF:30.8/20

All: 0.012+/-0.021 χ^2/NDF: 60.8/38



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

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

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

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

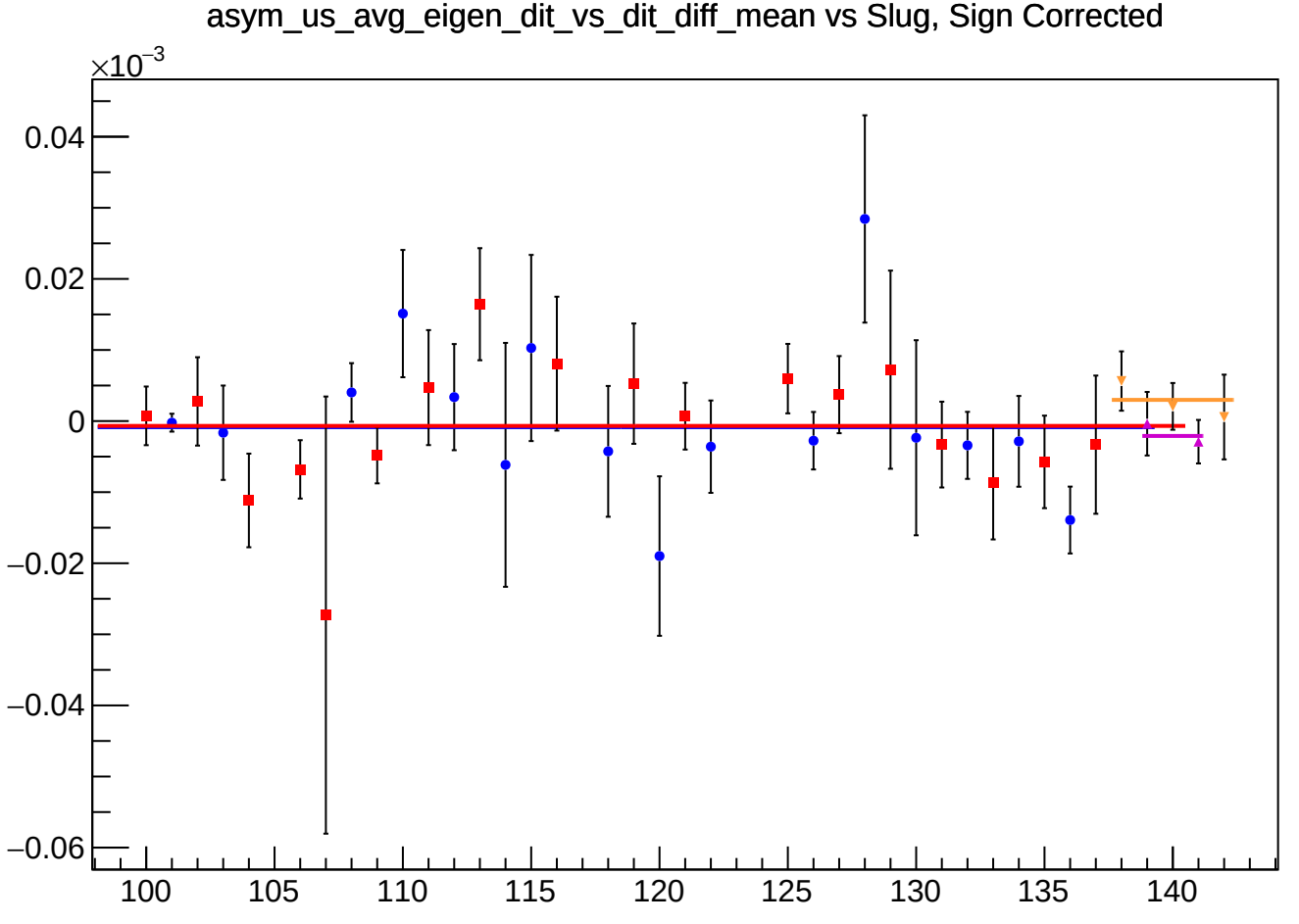
Left: 103.491+/-0.039 χ^2/NDF: 86513.2/4

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

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

Out: 86.966+/-0.021 χ^2/NDF:751079.7/20

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/2

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

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

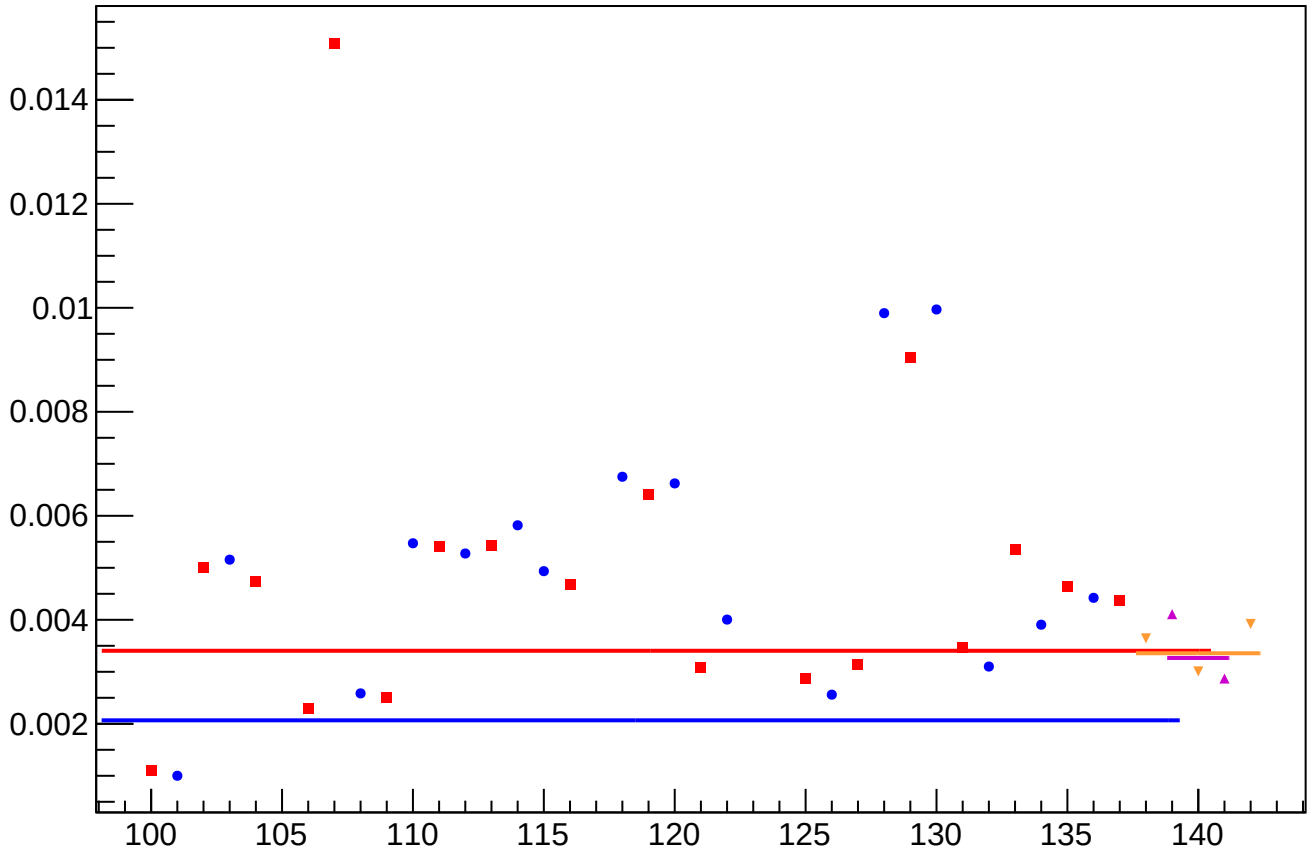
Left: 0.000+/-0.000 χ^2/NDF: 3.0/4

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:20.7/20

All: -0.000+/-0.000 χ^2/NDF: 43.2/38



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

Left Out: 0.003+/-0.000 χ^2/NDF:49877.7/2

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

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

Left: 0.003+/-0.000 χ^2/NDF: 155675.7/4

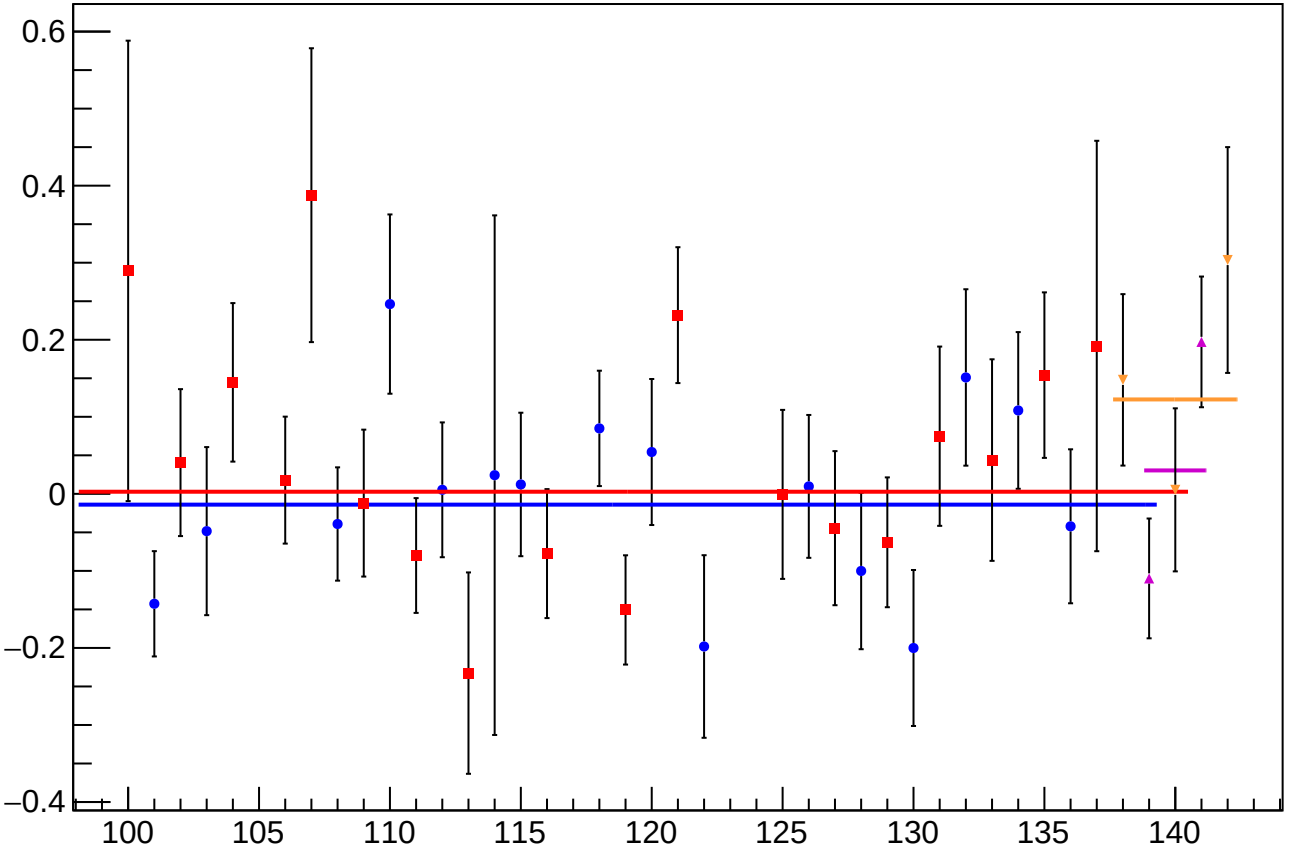
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

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

Out: 0.003+/-0.000 χ^2/NDF:2541782.1/20

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

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: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

Left: 0.069+/-0.044 χ^2/NDF: 11.0/4

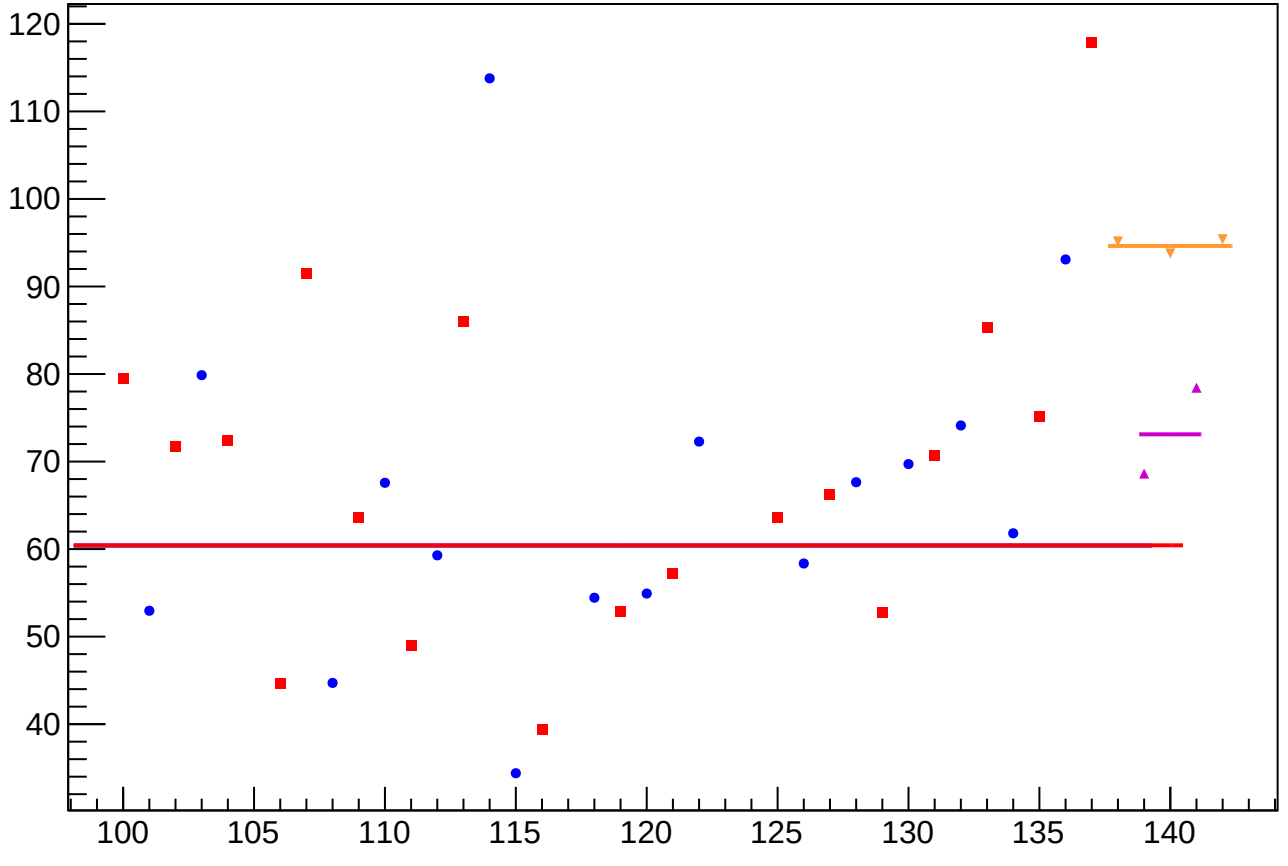
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.004+/-0.016 χ^2/NDF: 62.9/38

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 94.634+/-0.048 χ^2/NDF:227.9/2

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

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

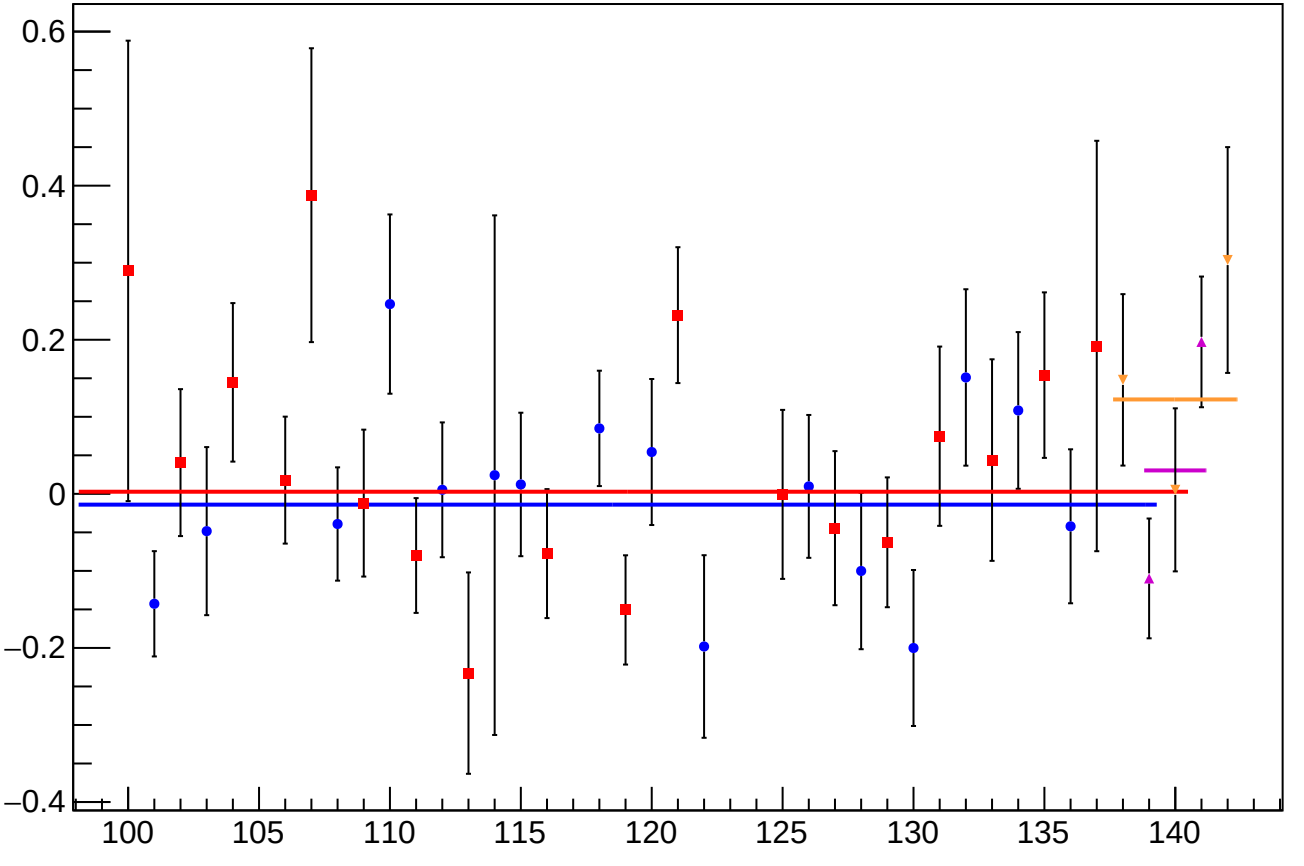
Left: 82.059+/-0.031 χ^2/NDF: 132055.8/4

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

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

Out: 64.169+/-0.016 χ^2/NDF:1162868.0/20

All: 63.204+/-0.011 χ^2/NDF: 1971679.3/38



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

Left Out: 0.123+/-0.068 χ^2/NDF:2.8/2

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

Left In: 0.030+/-0.057 χ^2/NDF:7.1/1

Left: 0.069+/-0.044 χ^2/NDF: 11.0/4

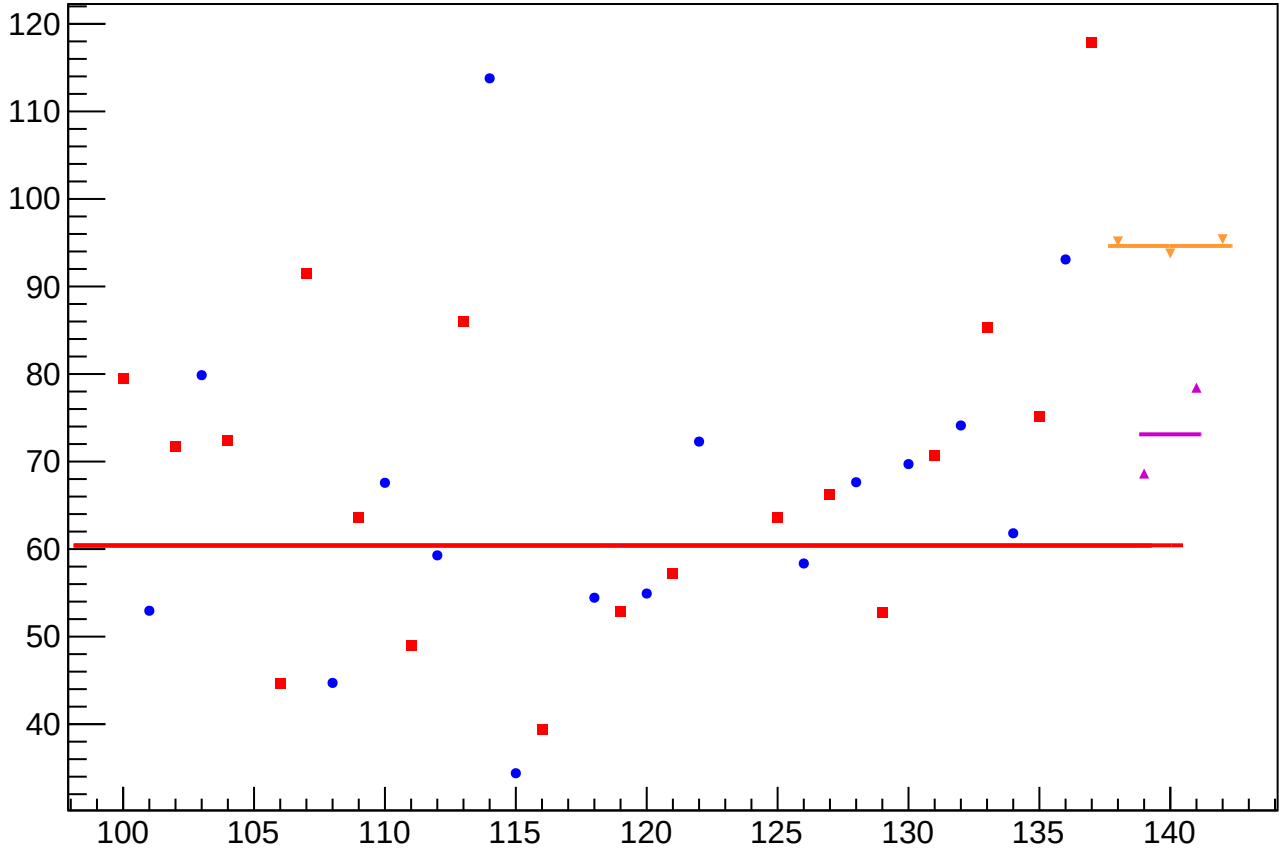
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.007+/-0.022 χ^2/NDF:29.0/17

Out: 0.016+/-0.022 χ^2/NDF:33.3/20

All: 0.004+/-0.016 χ^2/NDF: 62.9/38

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: 94.634+/-0.048 χ^2/NDF:227.9/2

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: 82.059+/-0.031 χ^2/NDF: 132055.8/4

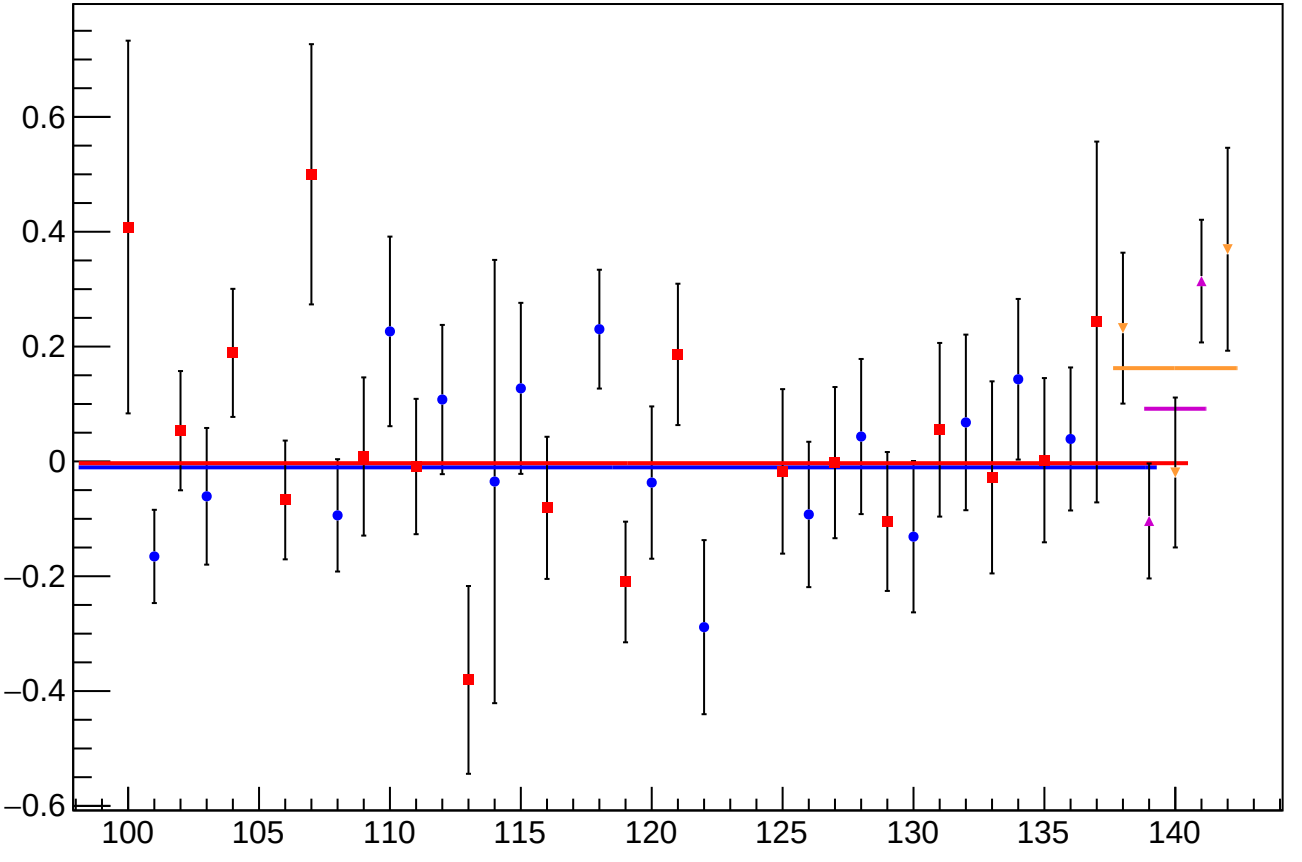
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 64.169+/-0.016 χ^2/NDF:1162868.0/20

All: 63.204+/-0.011 χ^2/NDF: 1971679.3/38

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: 0.162+/-0.082 χ^2/NDF:3.6/2

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

Left In: 0.092+/-0.073 χ^2/NDF:8.1/1

Left: 0.123+/-0.055 χ^2/NDF: 12.1/4

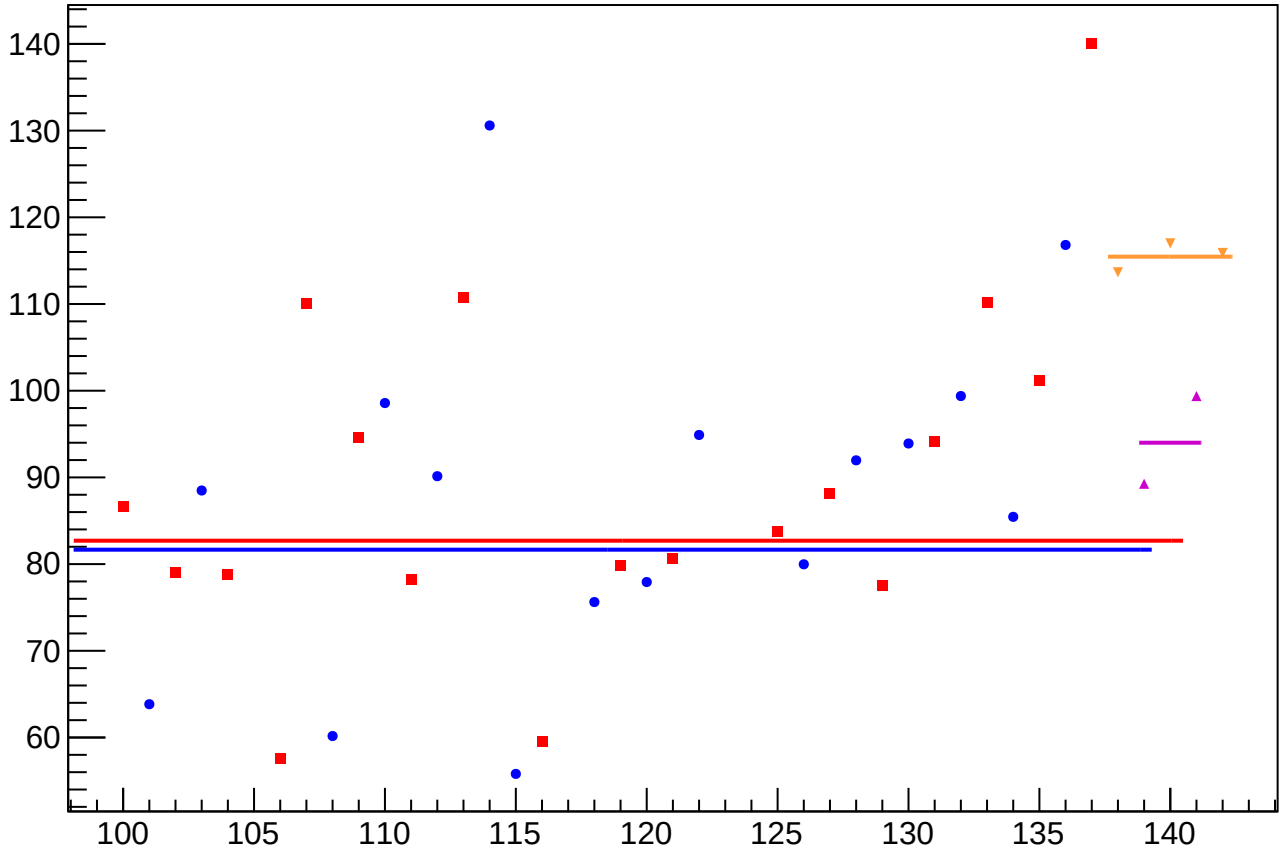
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.006+/-0.029 χ^2/NDF:29.9/17

Out: 0.018+/-0.030 χ^2/NDF:30.8/20

All: 0.012+/-0.021 χ^2/NDF: 60.8/38

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

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

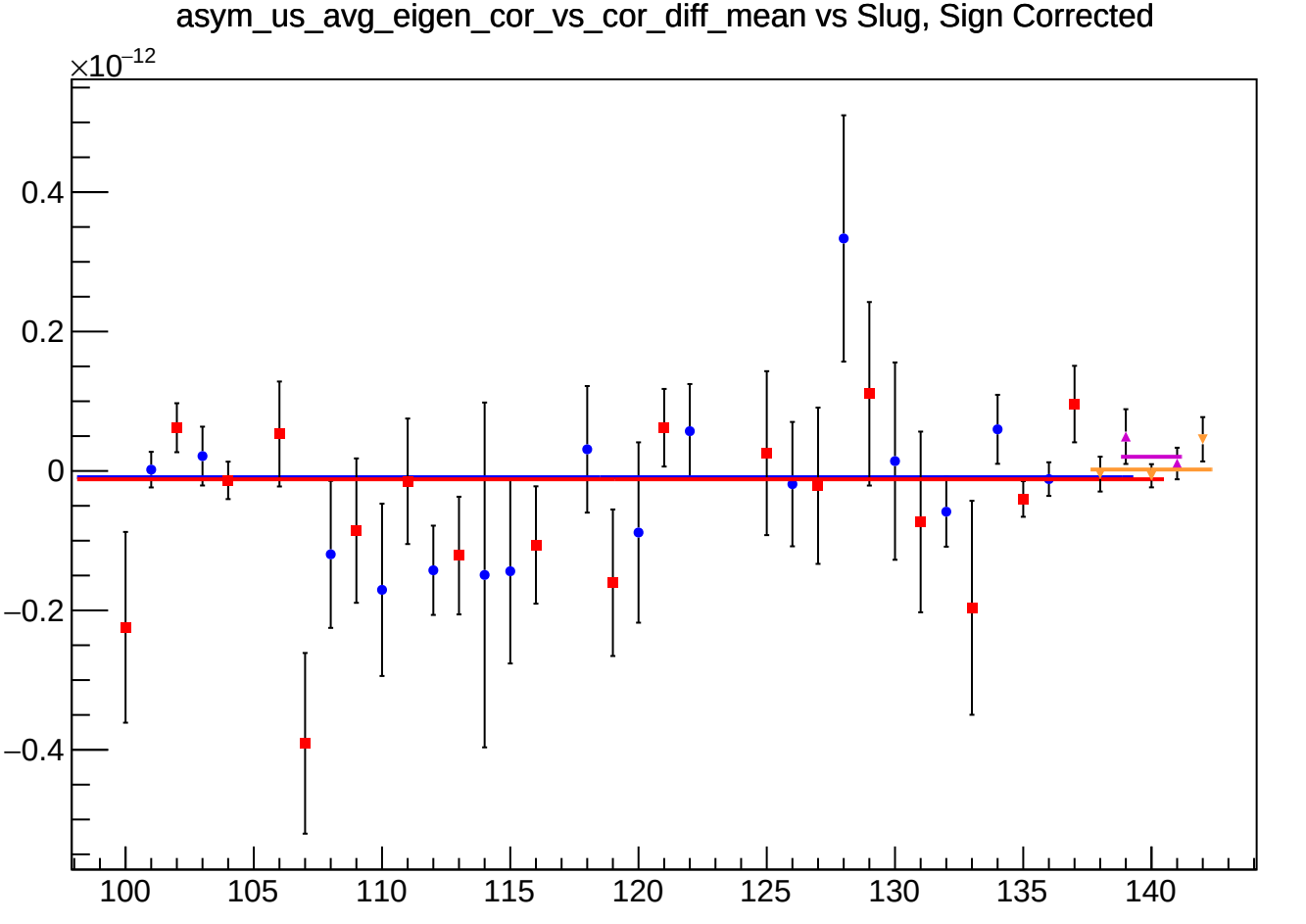
Left: 103.492+/-0.039 χ^2/NDF: 86508.3/4

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

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

Out: 86.965+/-0.021 χ^2/NDF:751097.7/20

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/2

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

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

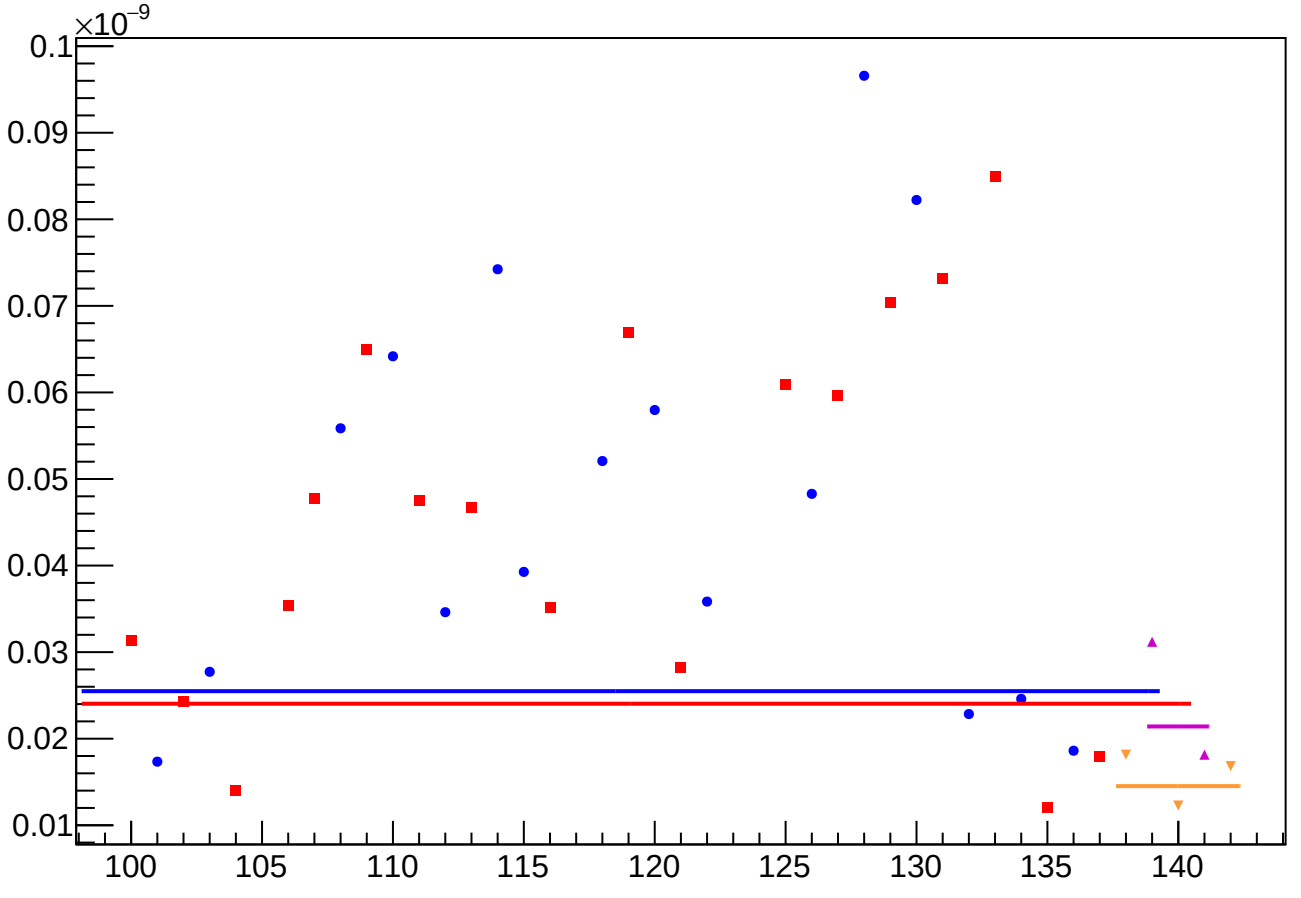
Left: 0.000+/-0.000 χ^2/NDF: 3.6/4

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:33.9/20

All: -0.000+/-0.000 χ^2/NDF: 53.7/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:89158.5/2

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

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

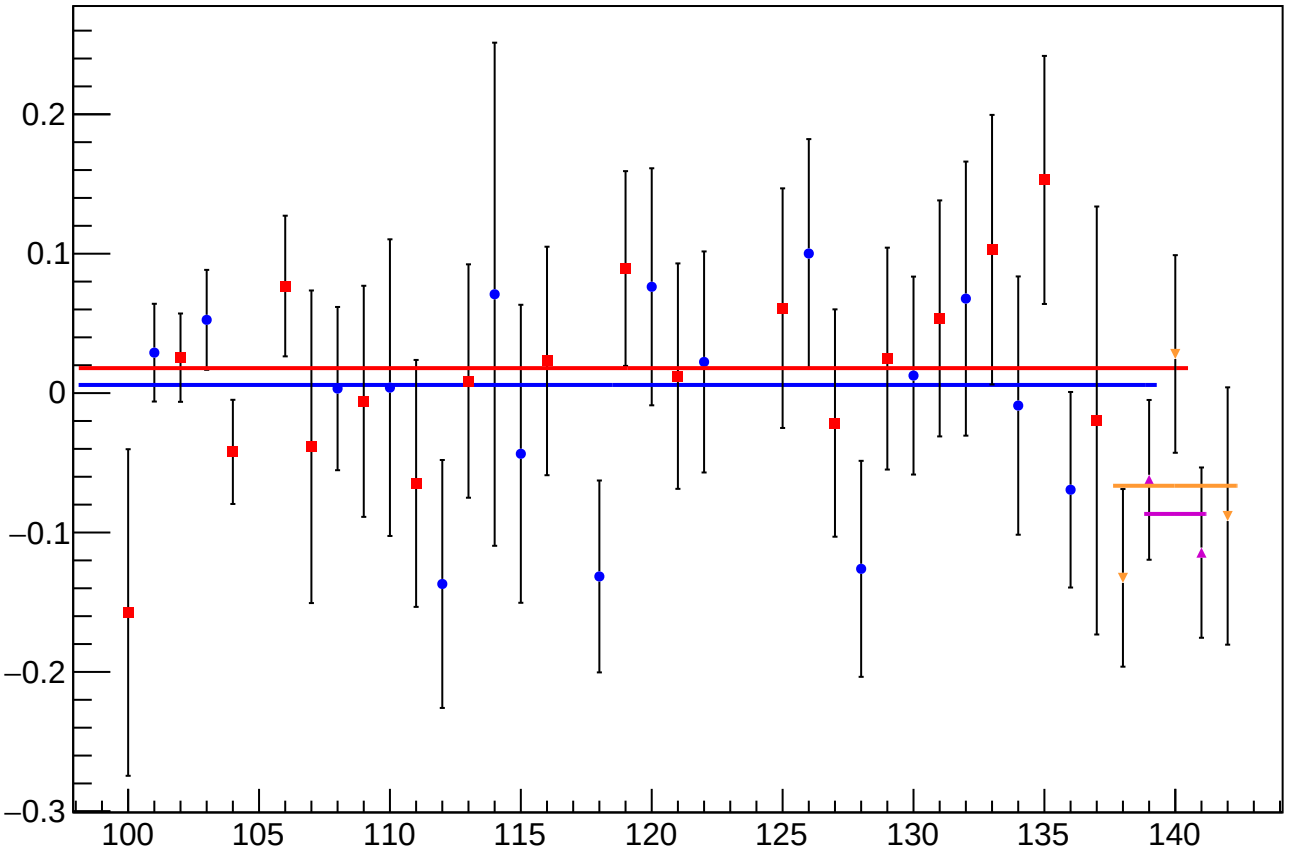
Left: 0.000+/-0.000 χ^2/NDF: 428507.0/4

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:3705486.6/20

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



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

Left Out: -0.066+/-0.042 χ^2/NDF:2.9/2

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

Left In: -0.087+/-0.042 χ^2/NDF:0.4/1

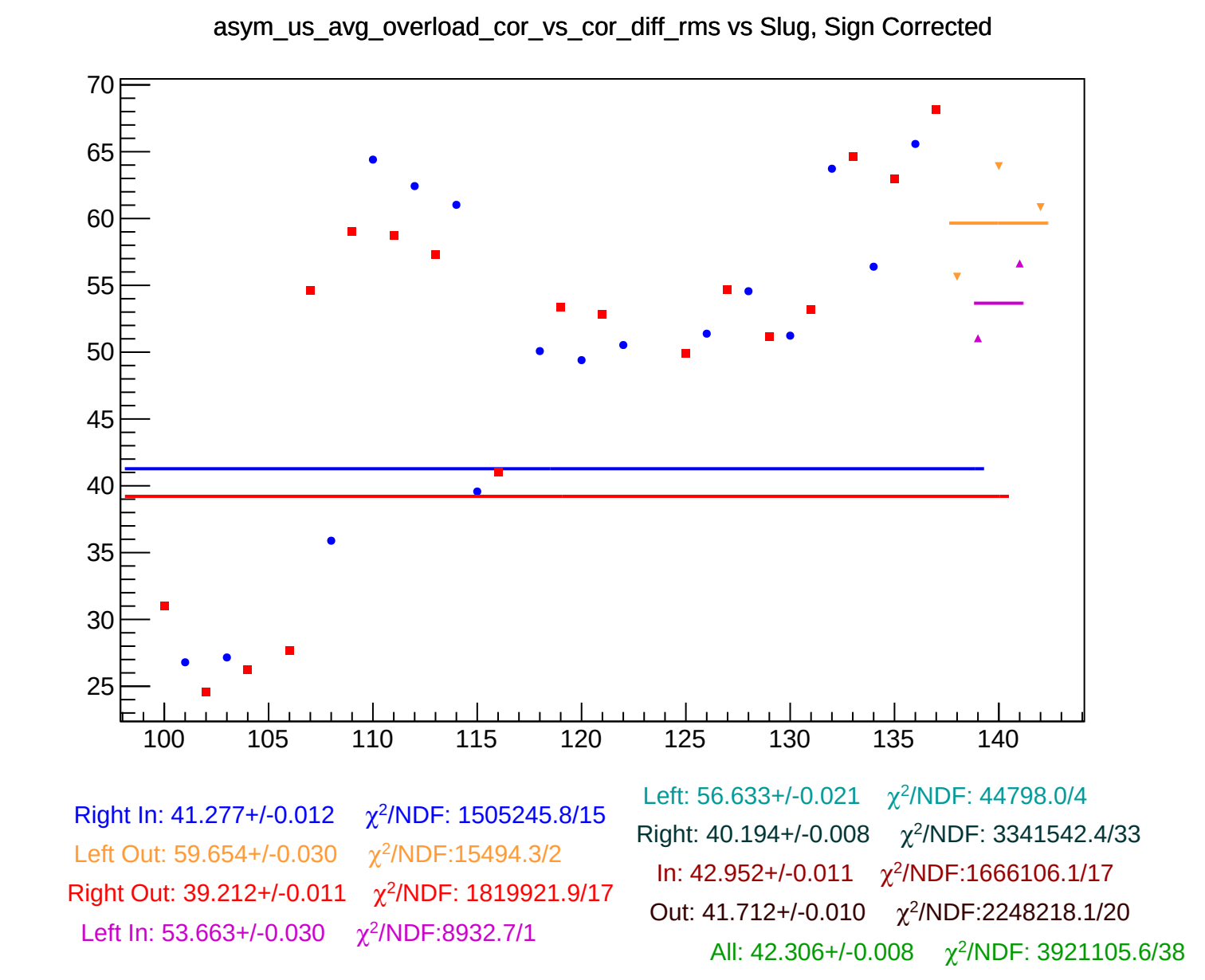
Left: -0.077+/-0.030 χ^2/NDF: 3.4/4

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.007+/-0.015 χ^2/NDF:20.2/17

Out: 0.008+/-0.015 χ^2/NDF:18.7/20

All: 0.001+/-0.011 χ^2/NDF: 39.4/38


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
70
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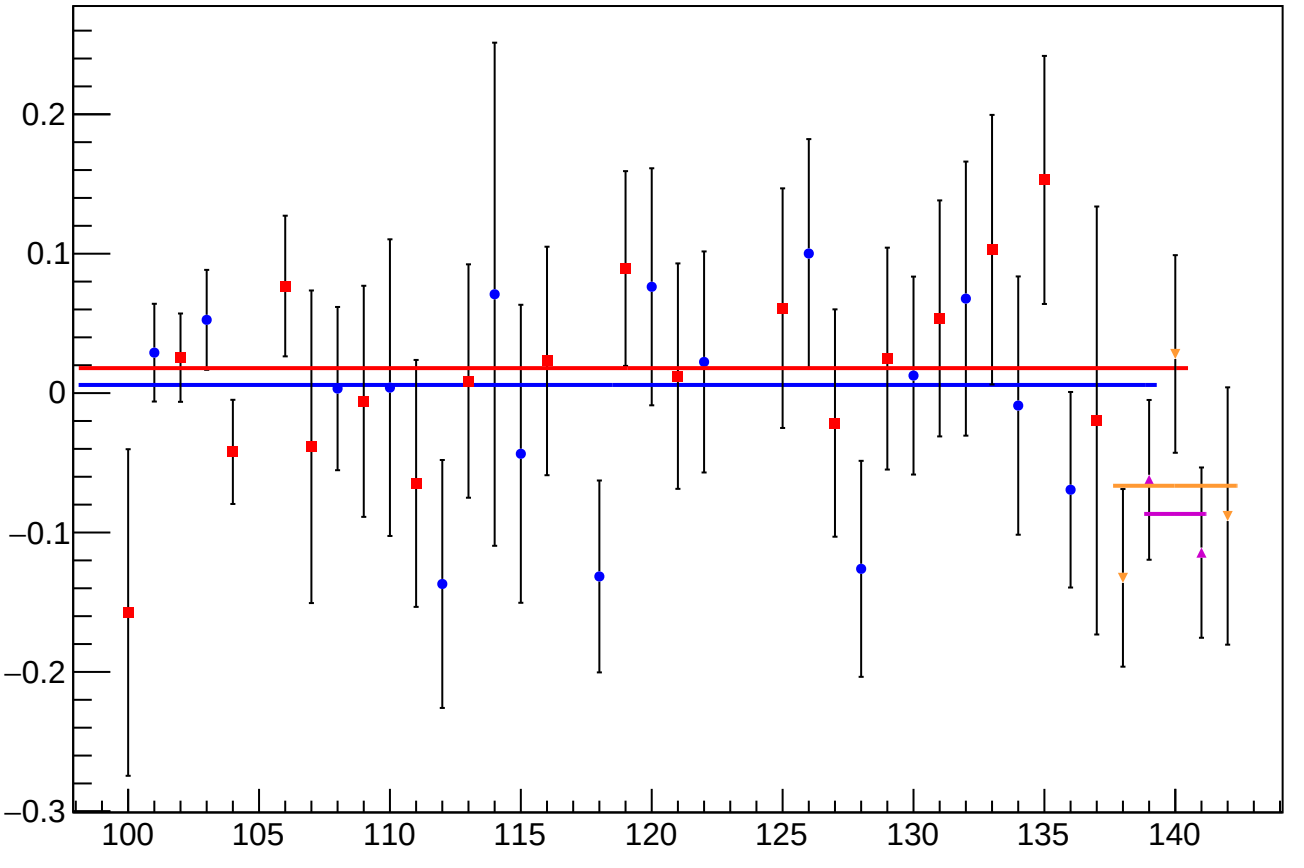
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 59.654+/-0.030 χ²/NDF:15494.3/2
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 53.663+/-0.030 χ²/NDF:8932.7/1
Left: 56.633+/-0.021 χ²/NDF: 44798.0/4
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 42.952+/-0.011 χ²/NDF:1666106.1/17
Out: 41.712+/-0.010 χ²/NDF:2248218.1/20
All: 42.306+/-0.008 χ²/NDF: 3921105.6/38



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

Left Out: -0.066+/-0.042 χ^2/NDF:2.9/2

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

Left In: -0.087+/-0.042 χ^2/NDF:0.4/1

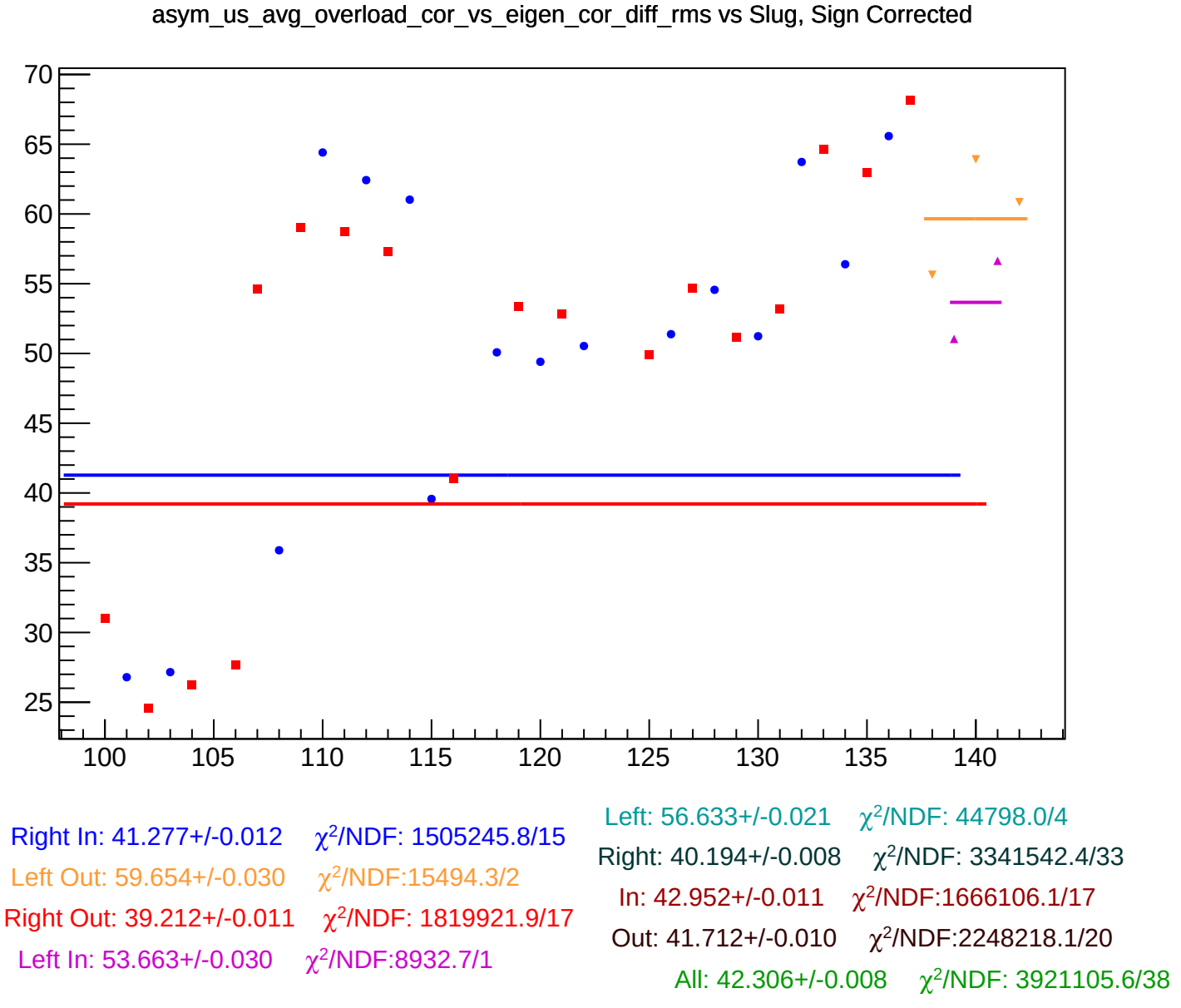
Left: -0.077+/-0.030 χ^2/NDF: 3.4/4

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.007+/-0.015 χ^2/NDF:20.2/17

Out: 0.008+/-0.015 χ^2/NDF:18.7/20

All: 0.001+/-0.011 χ^2/NDF: 39.4/38


asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
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115
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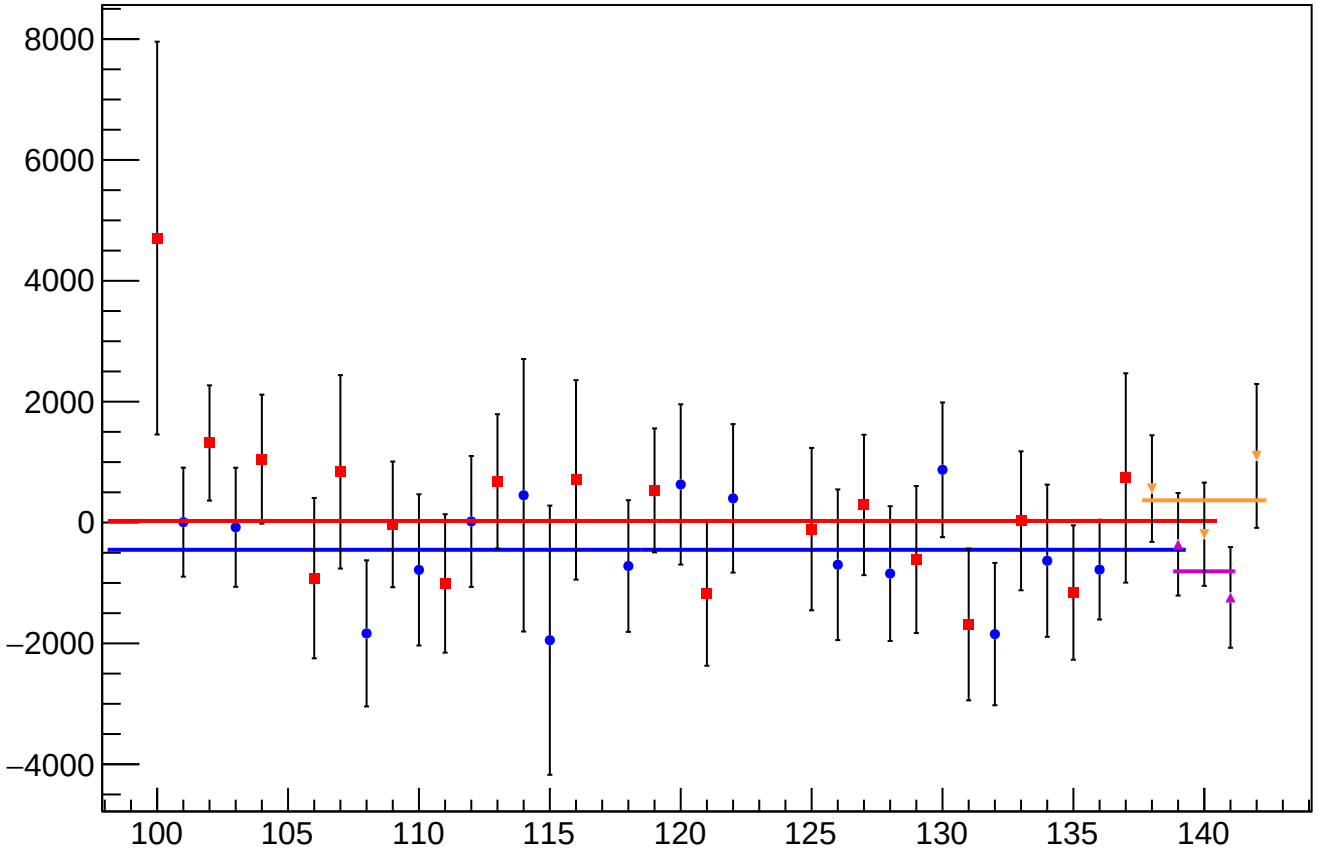
125
130
135
140
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 59.654+/-0.030 χ²/NDF:15494.3/2
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 53.663+/-0.030 χ²/NDF:8932.7/1
Left: 56.633+/-0.021 χ²/NDF: 44798.0/4
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 42.952+/-0.011 χ²/NDF:1666106.1/17
Out: 41.712+/-0.010 χ²/NDF:2248218.1/20
All: 42.306+/-0.008 χ²/NDF: 3921105.6/38

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: -170.030+/-401.942 χ^2/NDF: 3.5/4

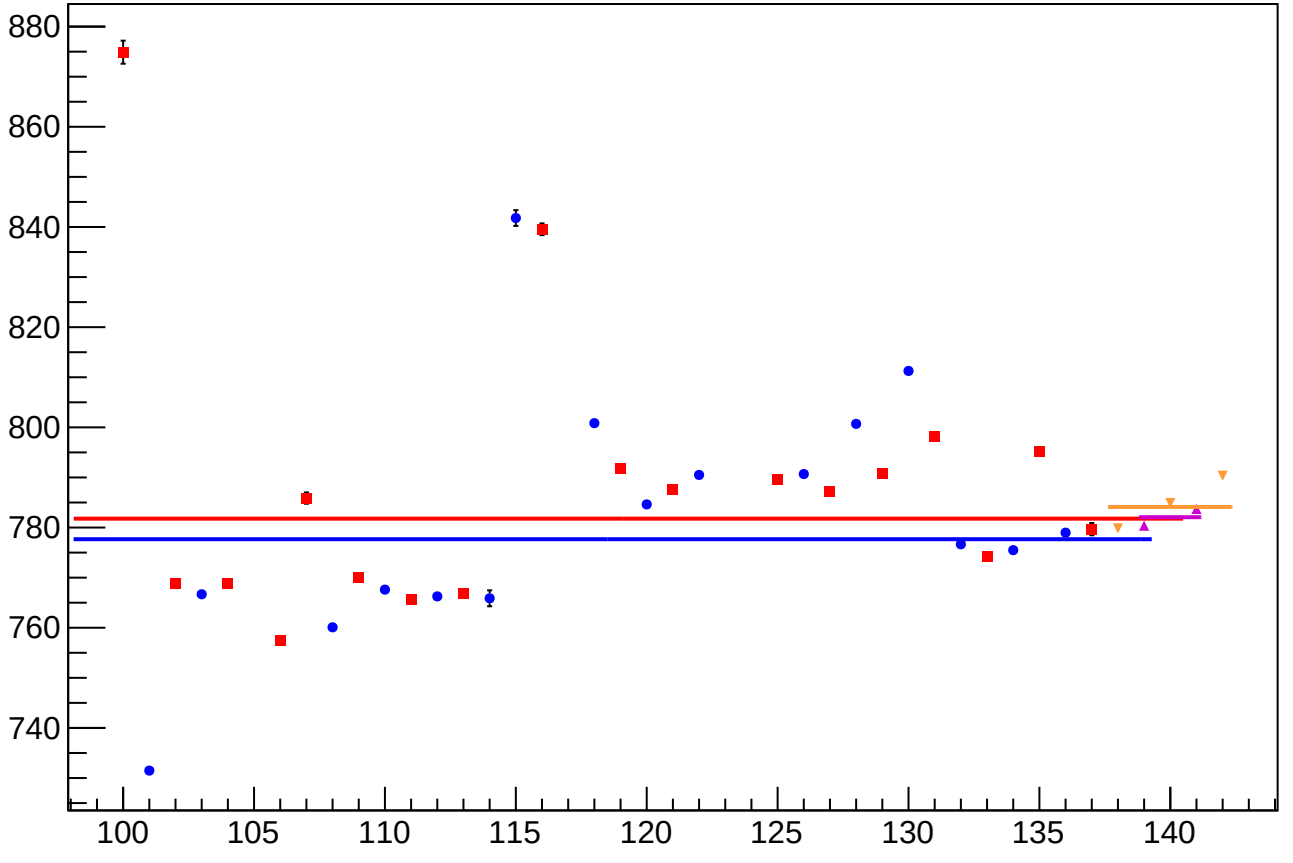
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -519.188+/-259.864 χ^2/NDF:7.8/17

Out: 100.547+/-254.756 χ^2/NDF:12.9/20

All: -203.170+/-181.919 χ^2/NDF: 23.5/38

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

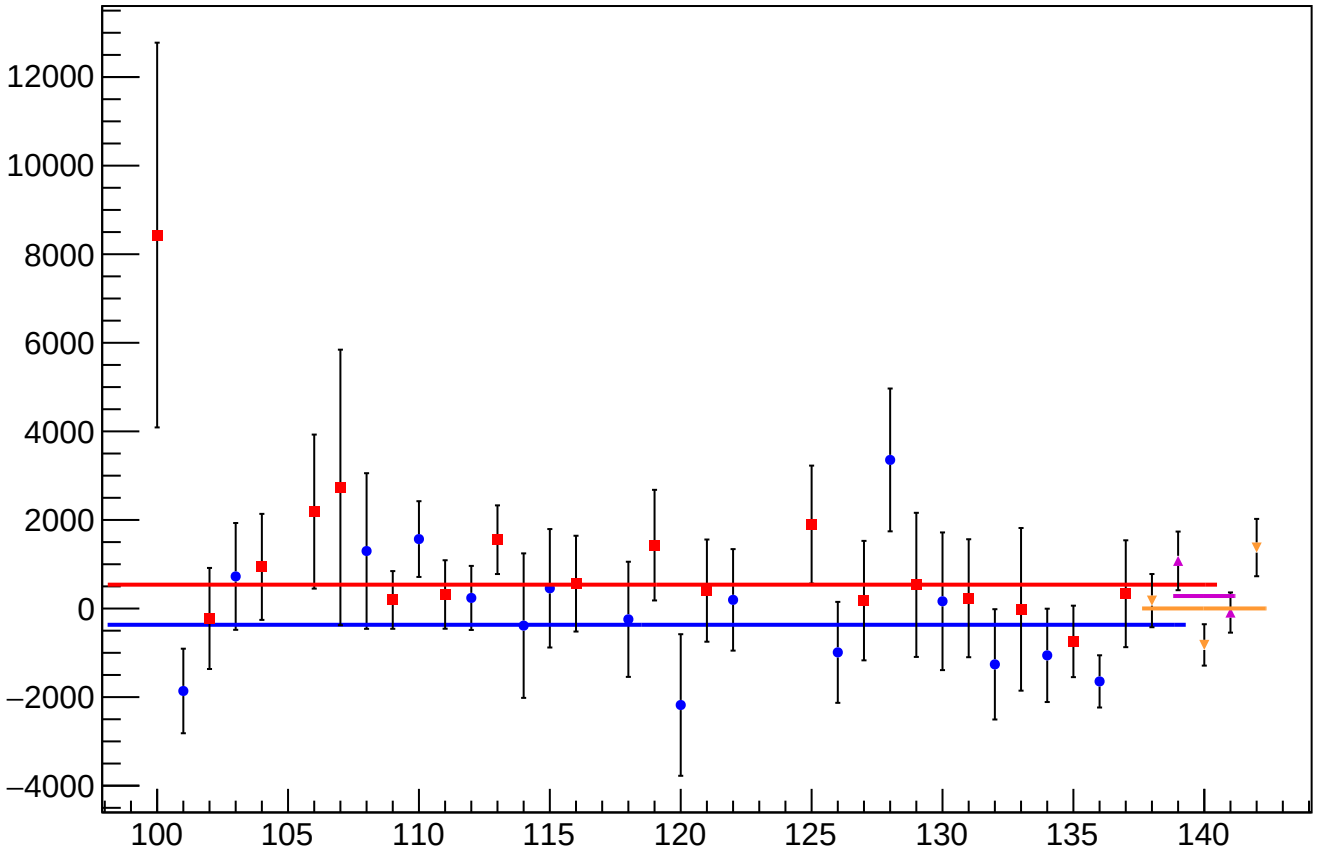
Left: 783.178+/-0.284 χ^2/NDF: 132.0/4

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

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

Out: 782.286+/-0.180 χ^2/NDF:7758.4/20

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



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

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

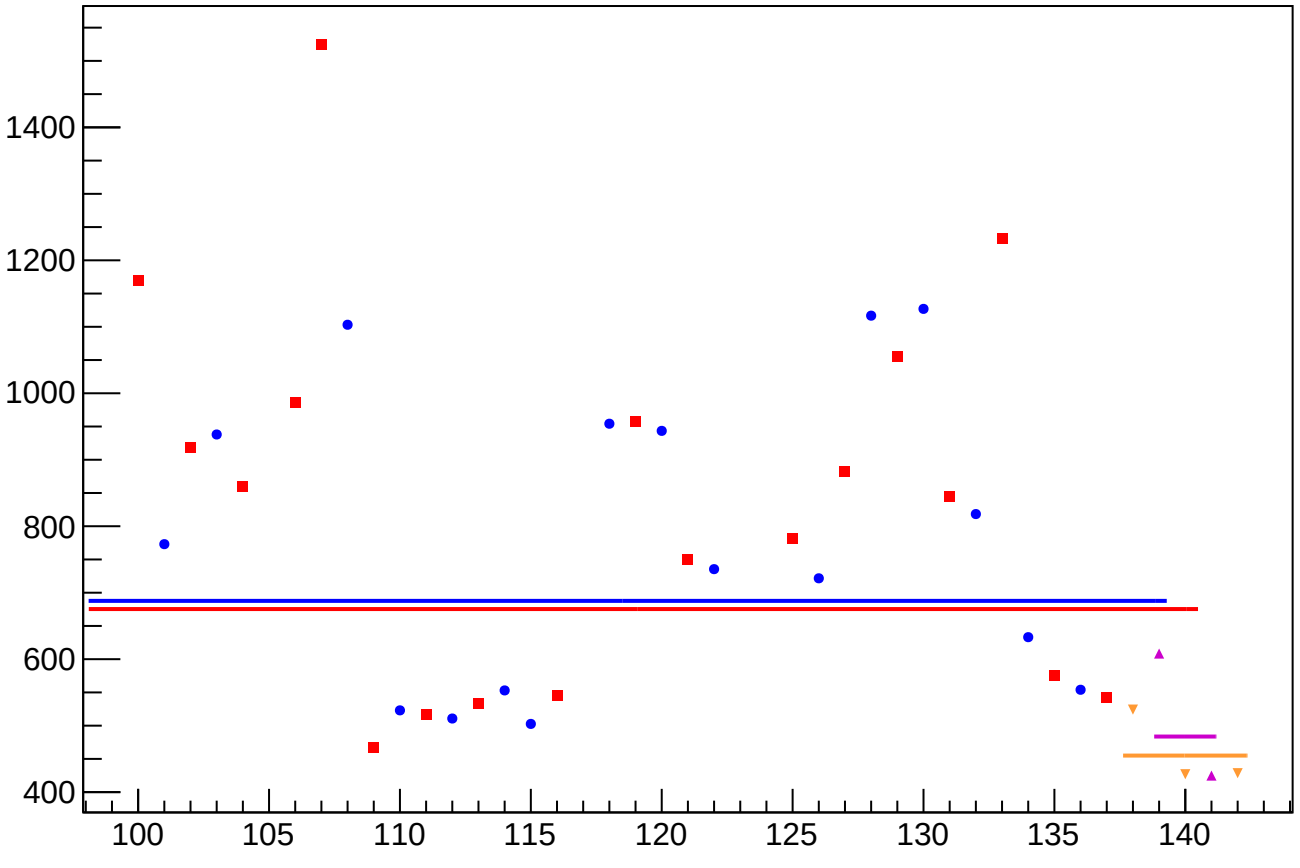
Left: 120.565+/-243.426 χ^2/NDF: 10.1/4

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

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

Out: 322.817+/-203.257 χ^2/NDF:21.0/20

All: 102.884+/-148.409 χ^2/NDF: 51.0/38



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

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

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

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

Left: 467.106+/-0.172 χ^2/NDF: 148505.5/4

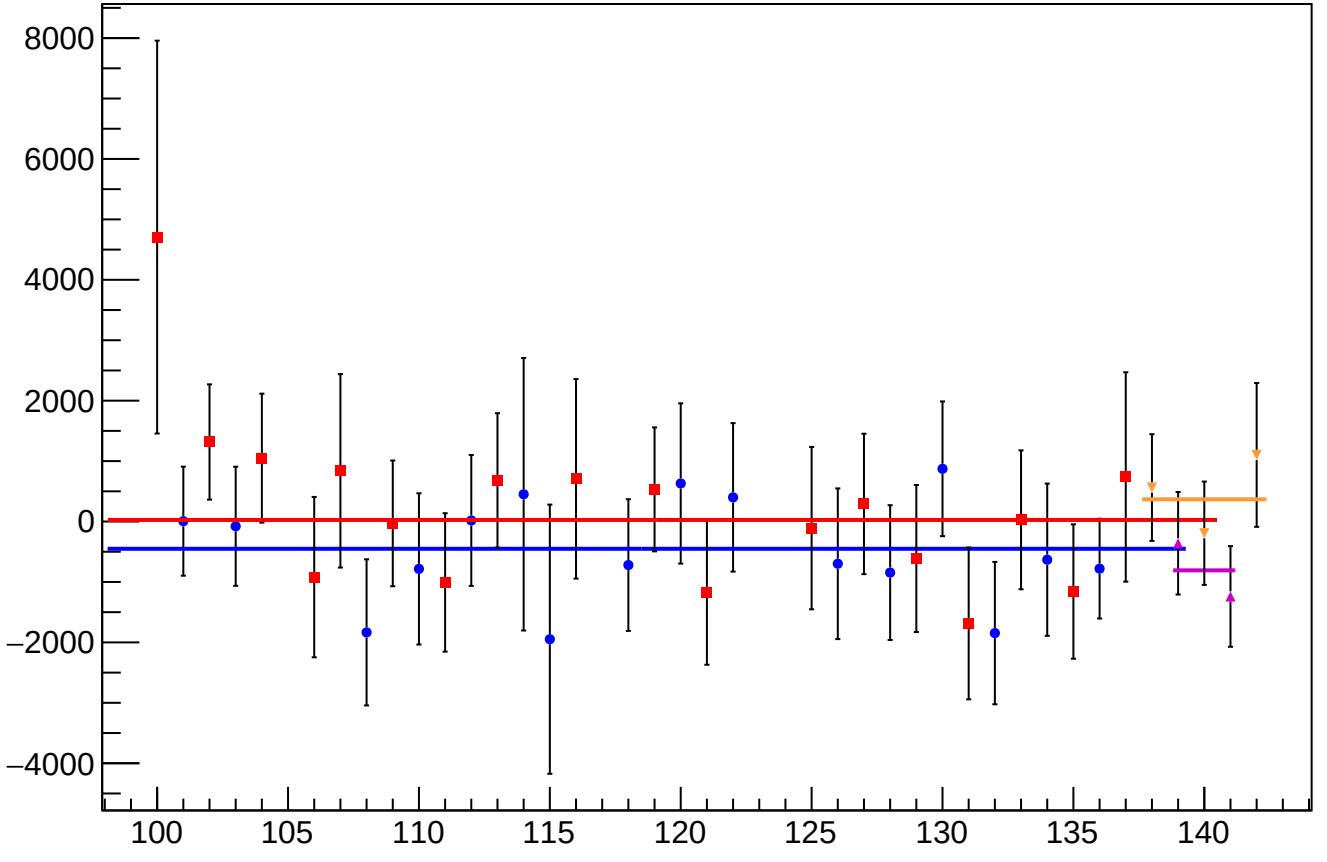
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 586.737+/-0.144 χ^2/NDF:1915620.6/20

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

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: -170.030+/-401.942 χ^2/NDF: 3.5/4

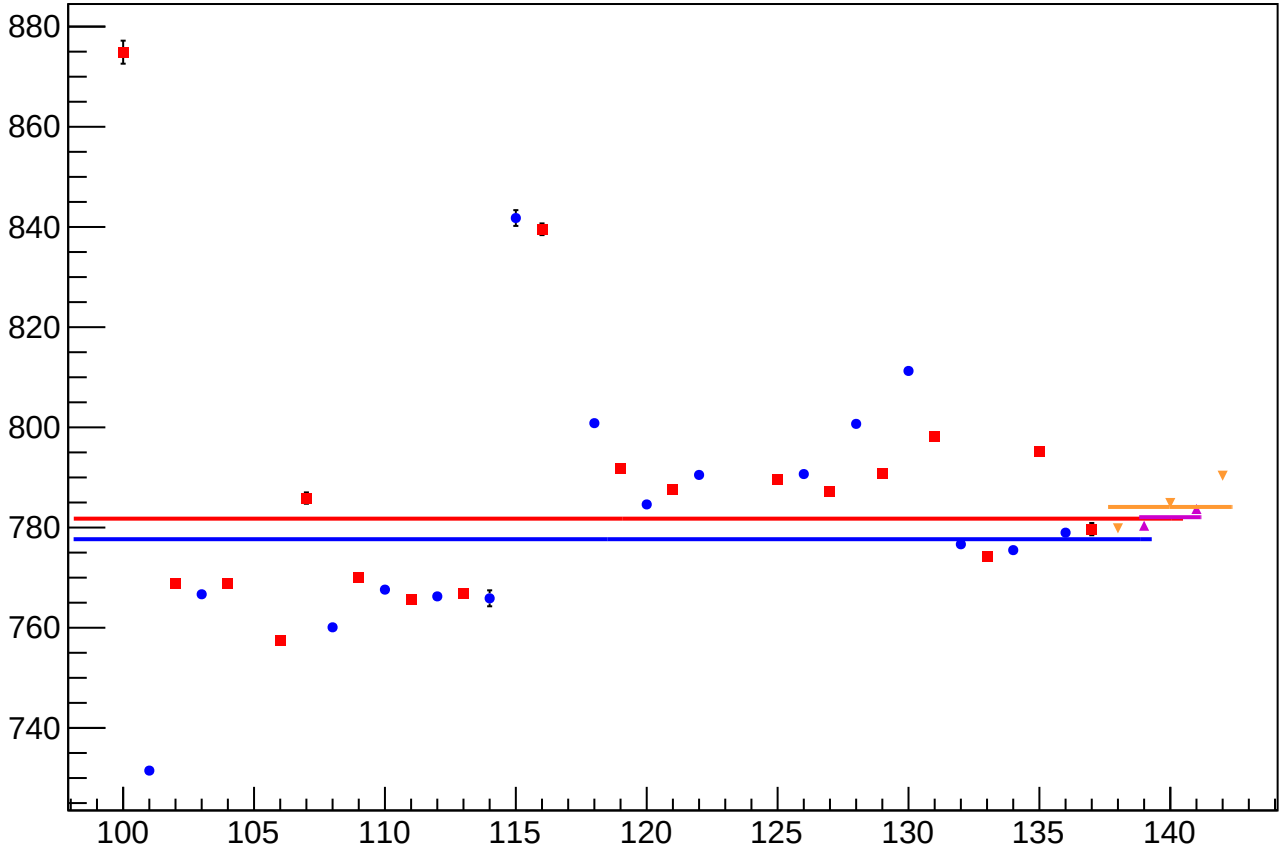
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -519.188+/-259.864 χ^2/NDF:7.8/17

Out: 100.547+/-254.756 χ^2/NDF:12.9/20

All: -203.170+/-181.919 χ^2/NDF: 23.5/38

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

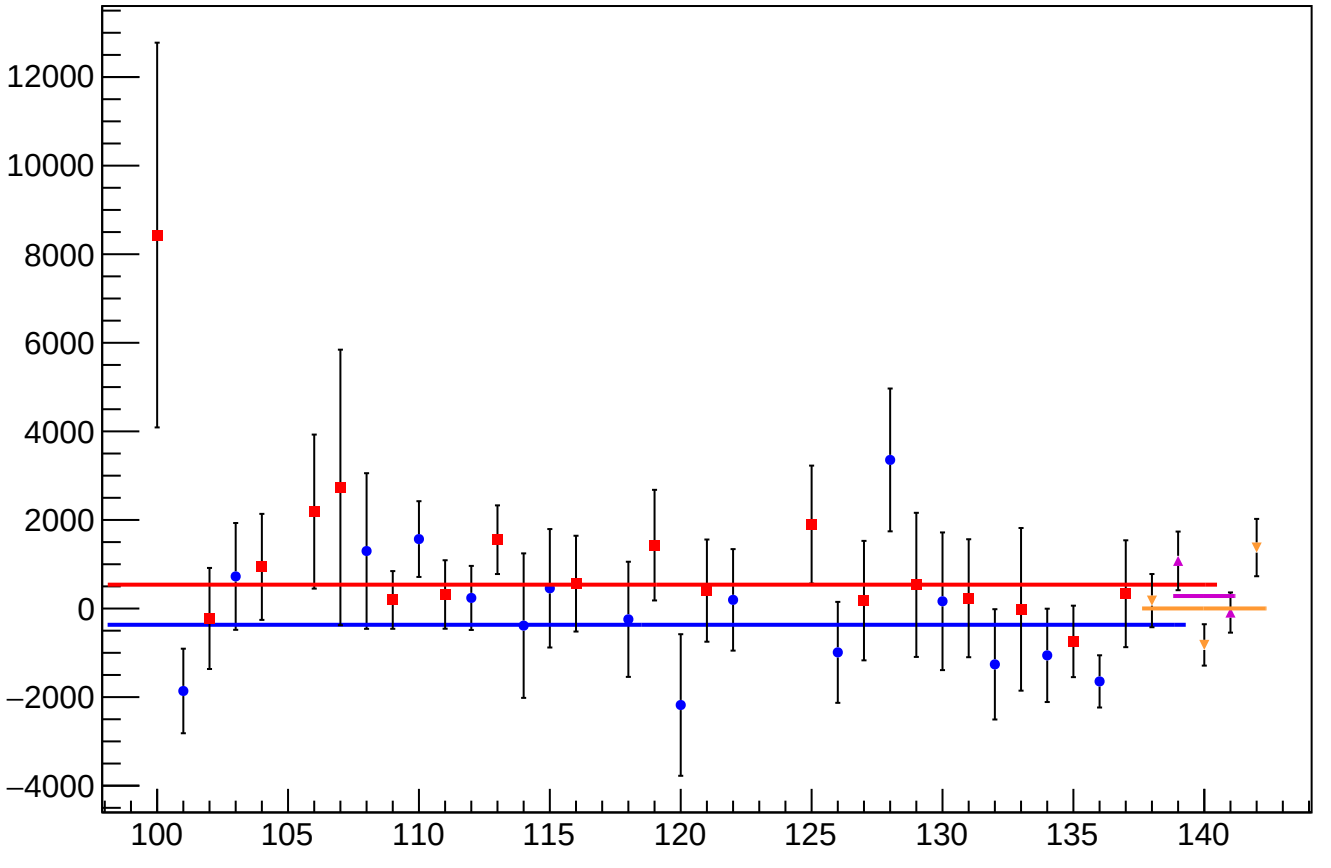
Left: 783.178+/-0.284 χ^2/NDF: 132.0/4

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

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

Out: 782.286+/-0.180 χ^2/NDF:7758.4/20

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



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

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

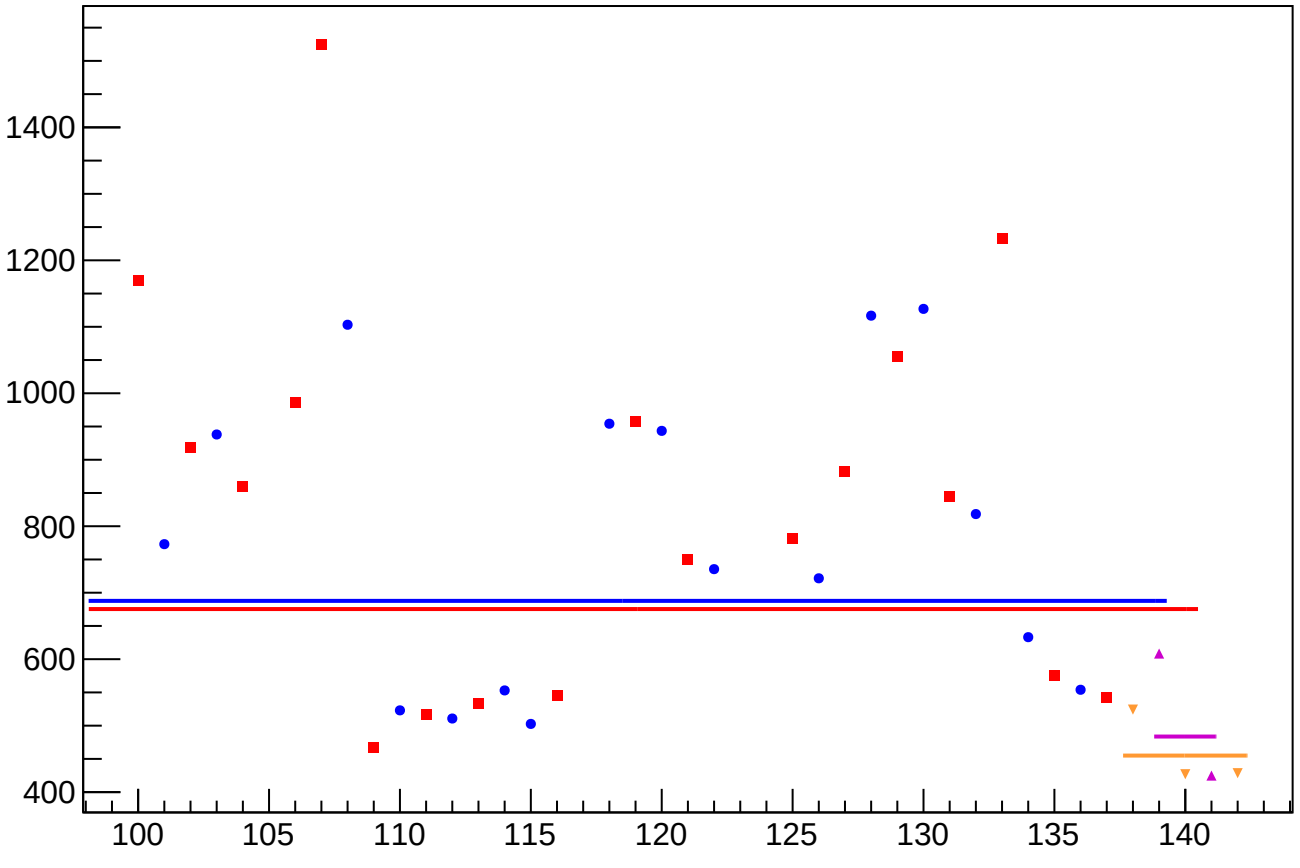
Left: 120.565+/-243.426 χ^2/NDF: 10.1/4

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

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

Out: 322.817+/-203.257 χ^2/NDF:21.0/20

All: 102.884+/-148.409 χ^2/NDF: 51.0/38



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

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

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

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

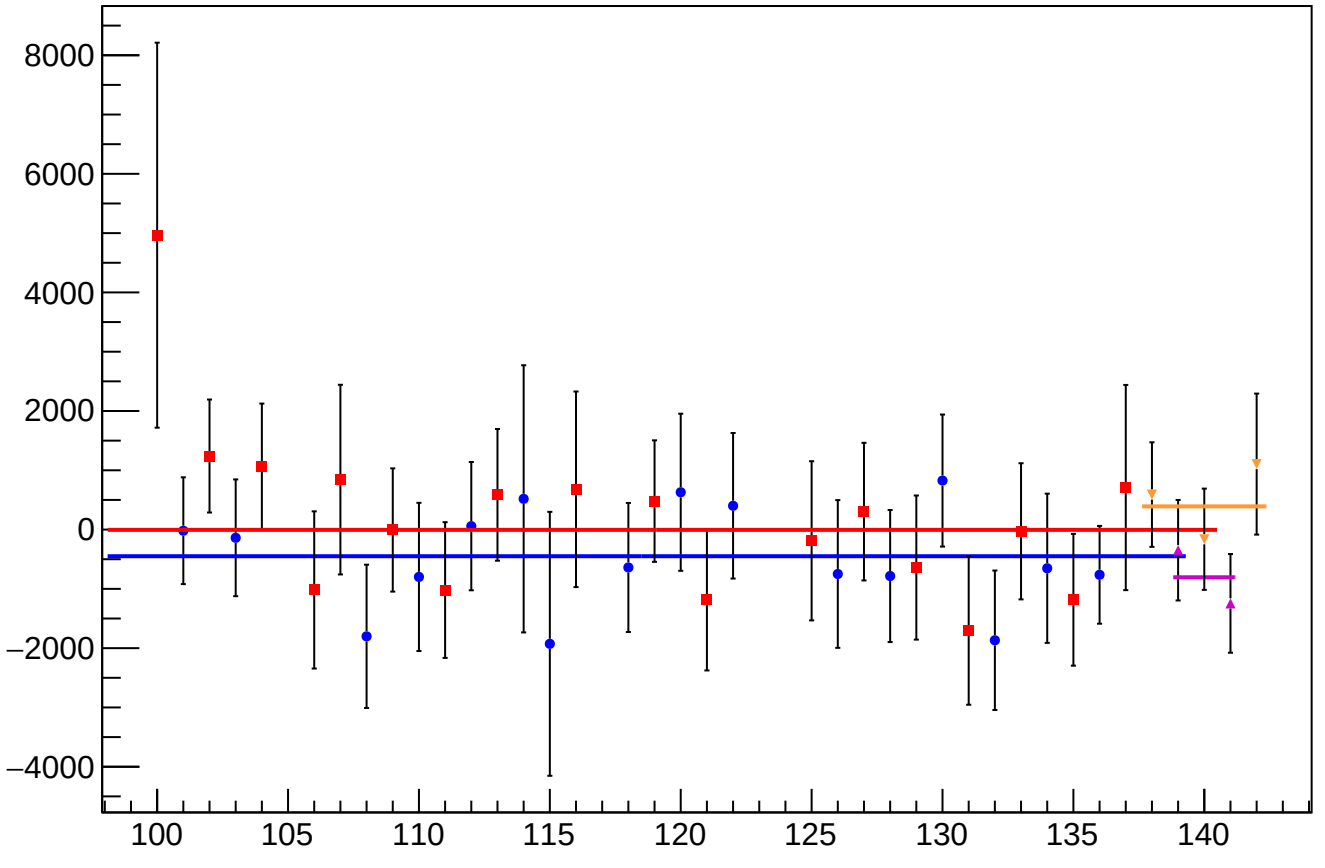
Left: 467.106+/-0.172 χ^2/NDF: 148505.5/4

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

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

Out: 586.737+/-0.144 χ^2/NDF:1915620.6/20

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



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

Left Out: 391.444+/-545.101 χ^2/NDF:0.8/2

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

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

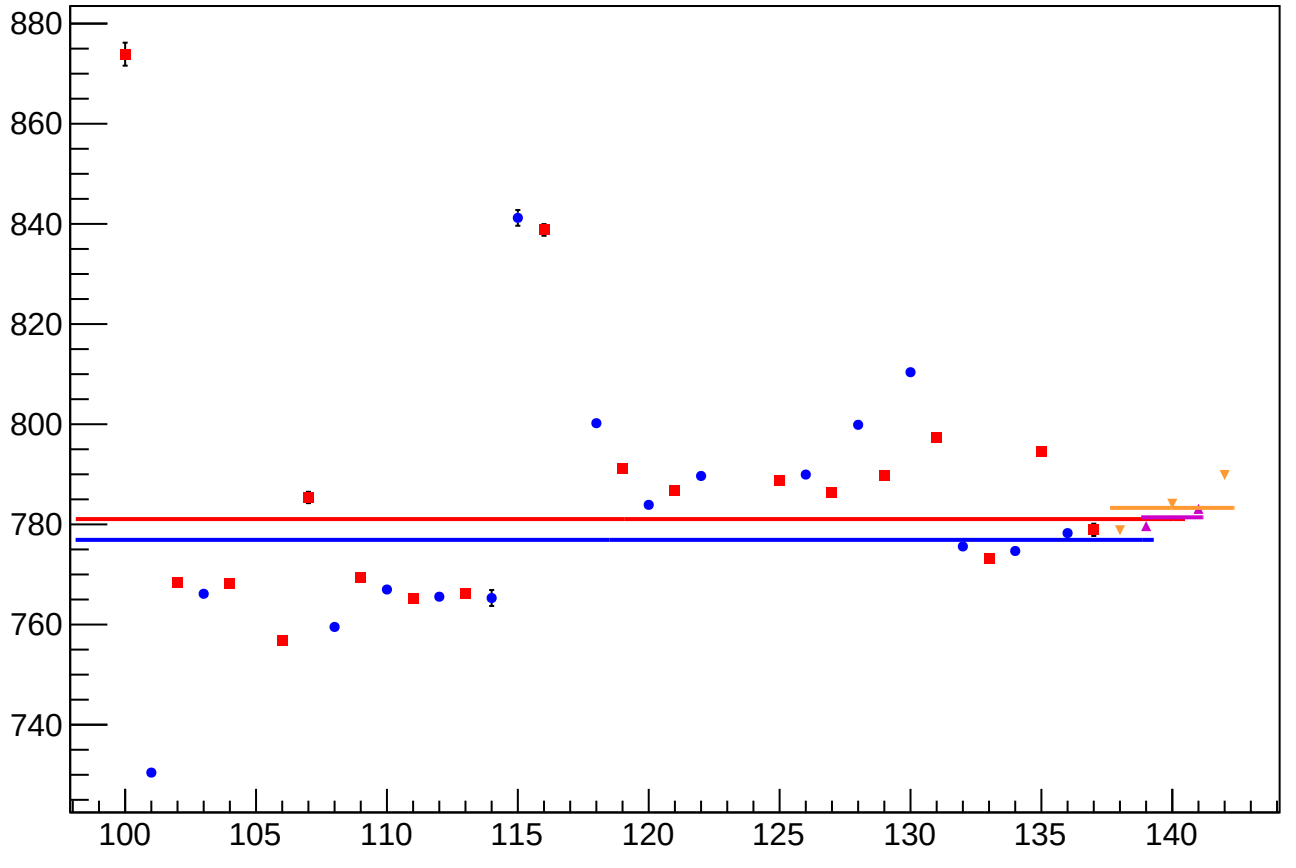
Left: -155.477+/-401.563 χ^2/NDF: 3.6/4

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

In: -517.303+/-259.617 χ^2/NDF:7.6/17

Out: 81.706+/-254.516 χ^2/NDF:13.1/20

All: -211.856+/-181.747 χ^2/NDF: 23.4/38



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

Left Out: 783.301+/-0.385 χ^2/NDF:114.3/2

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

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

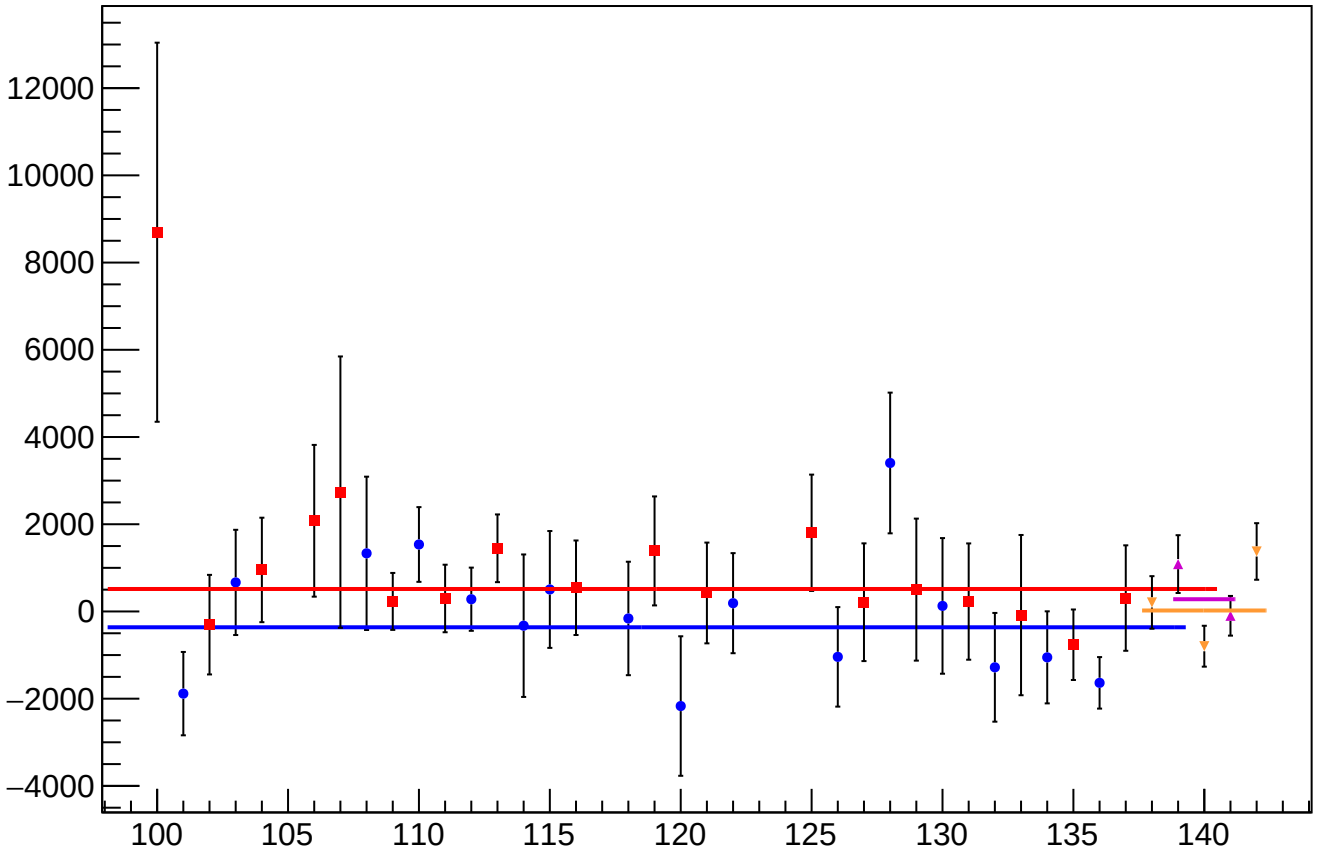
Left: 782.439+/-0.284 χ^2/NDF: 142.0/4

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

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

Out: 781.549+/-0.180 χ^2/NDF:7726.5/20

All: 779.699+/-0.129 χ^2/NDF: 20175.6/38



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

Left Out: 22.132+/-321.416 χ^2/NDF:7.5/2

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

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

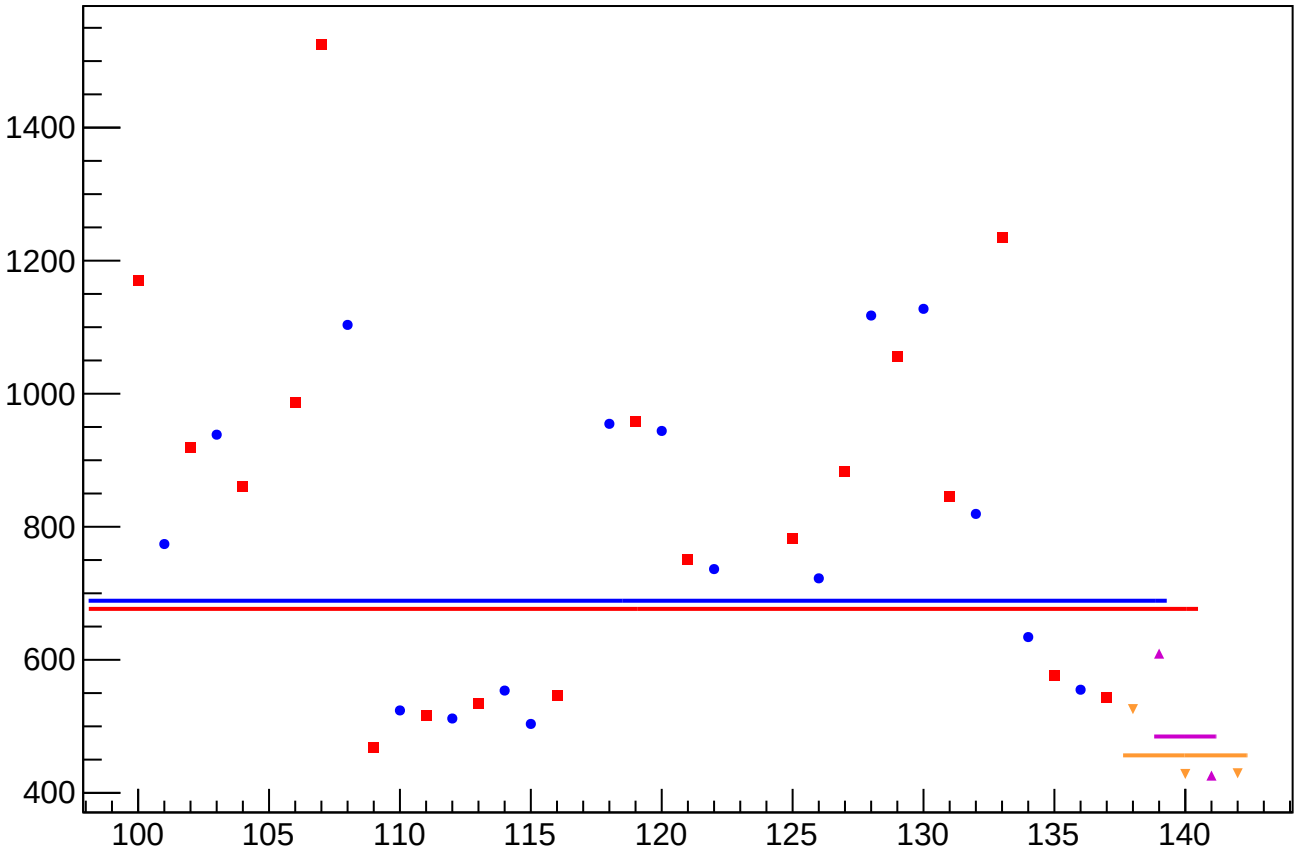
Left: 131.533+/-244.074 χ^2/NDF: 9.9/4

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

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

Out: 317.249+/-203.684 χ^2/NDF:20.3/20

All: 100.702+/-148.693 χ^2/NDF: 50.2/38



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

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

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

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

Left: 468.396+/-0.173 χ^2/NDF: 147818.1/4

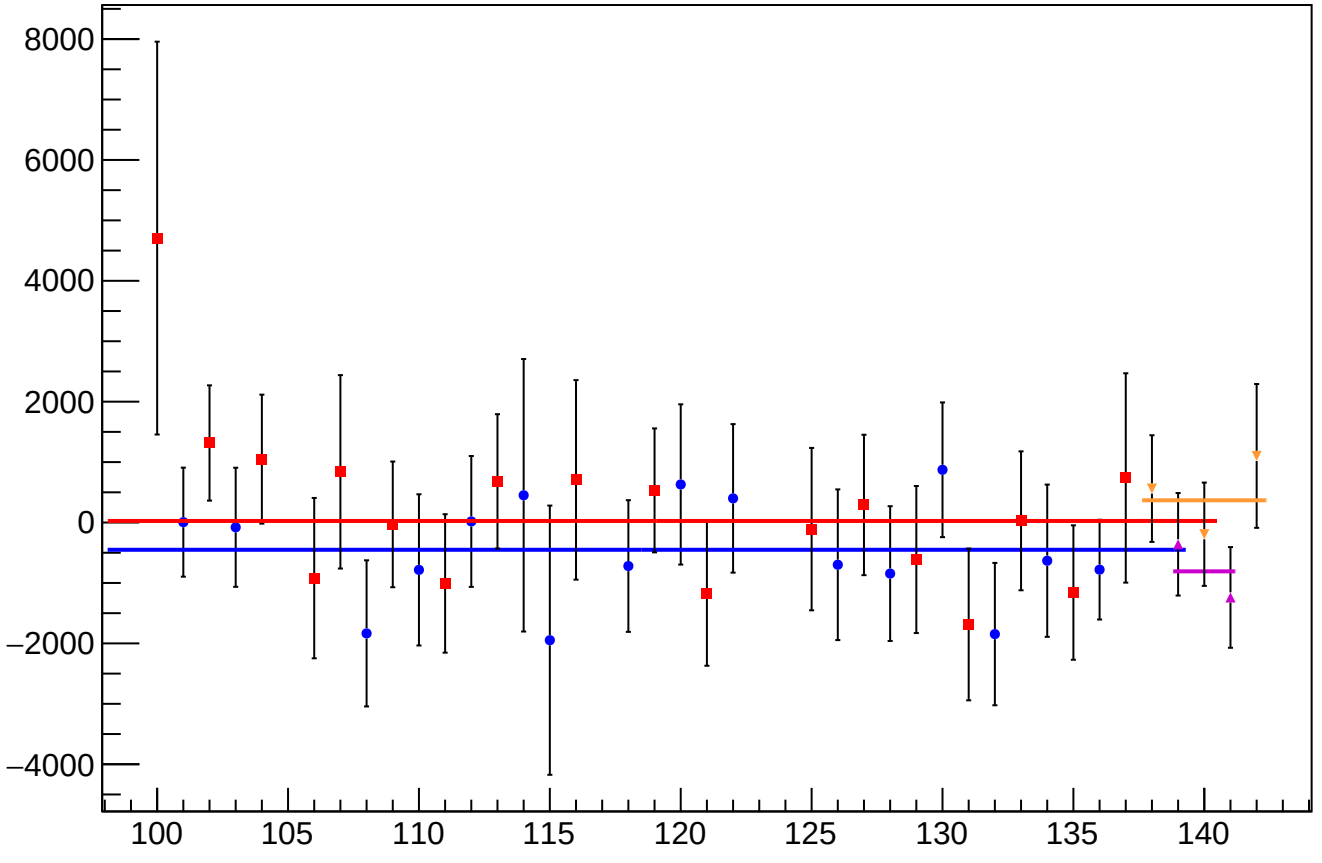
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

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

Out: 588.150+/-0.144 χ^2/NDF:1906863.4/20

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

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

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

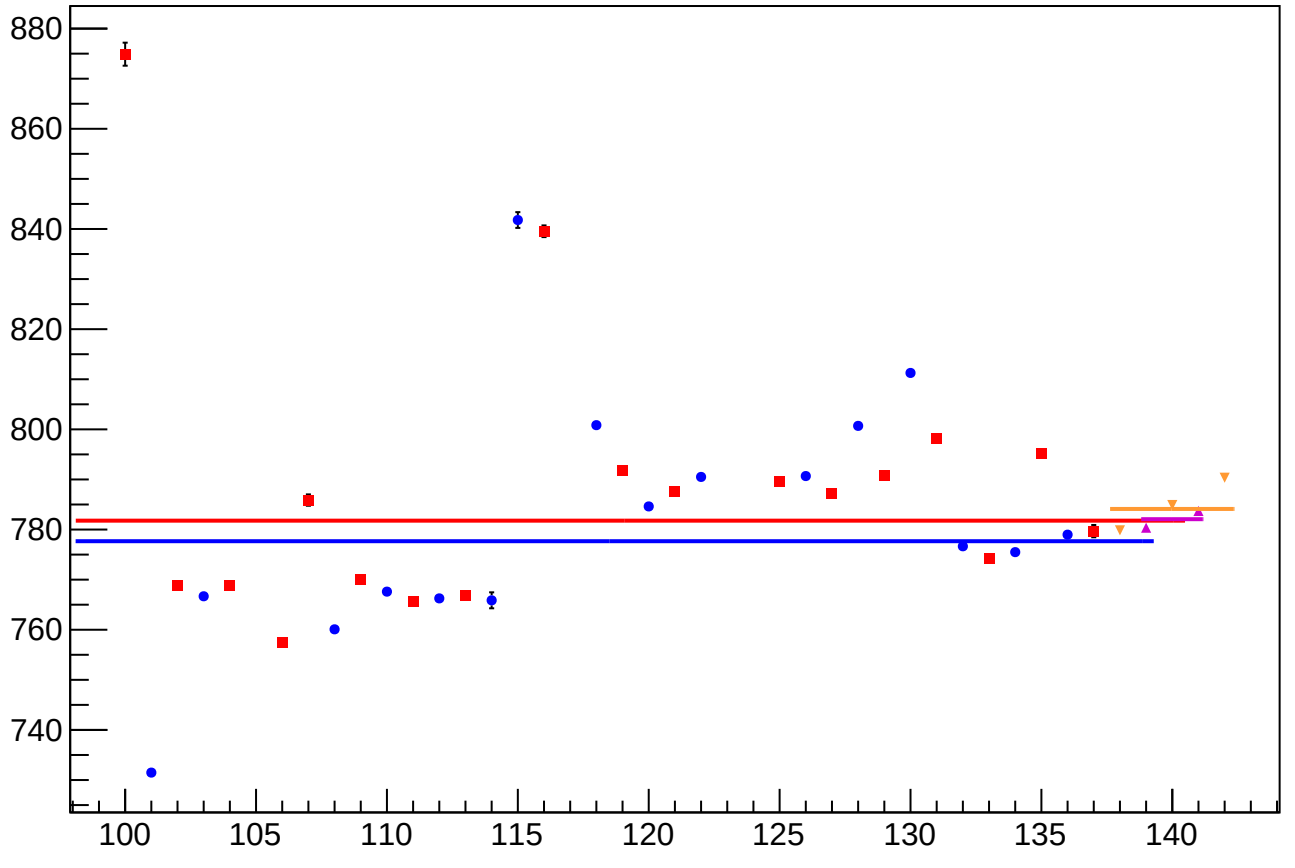
Left: -170.030+/-401.942 χ^2/NDF: 3.5/4

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

In: -519.188+/-259.864 χ^2/NDF:7.8/17

Out: 100.547+/-254.756 χ^2/NDF:12.9/20

All: -203.170+/-181.919 χ^2/NDF: 23.5/38



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

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

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

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

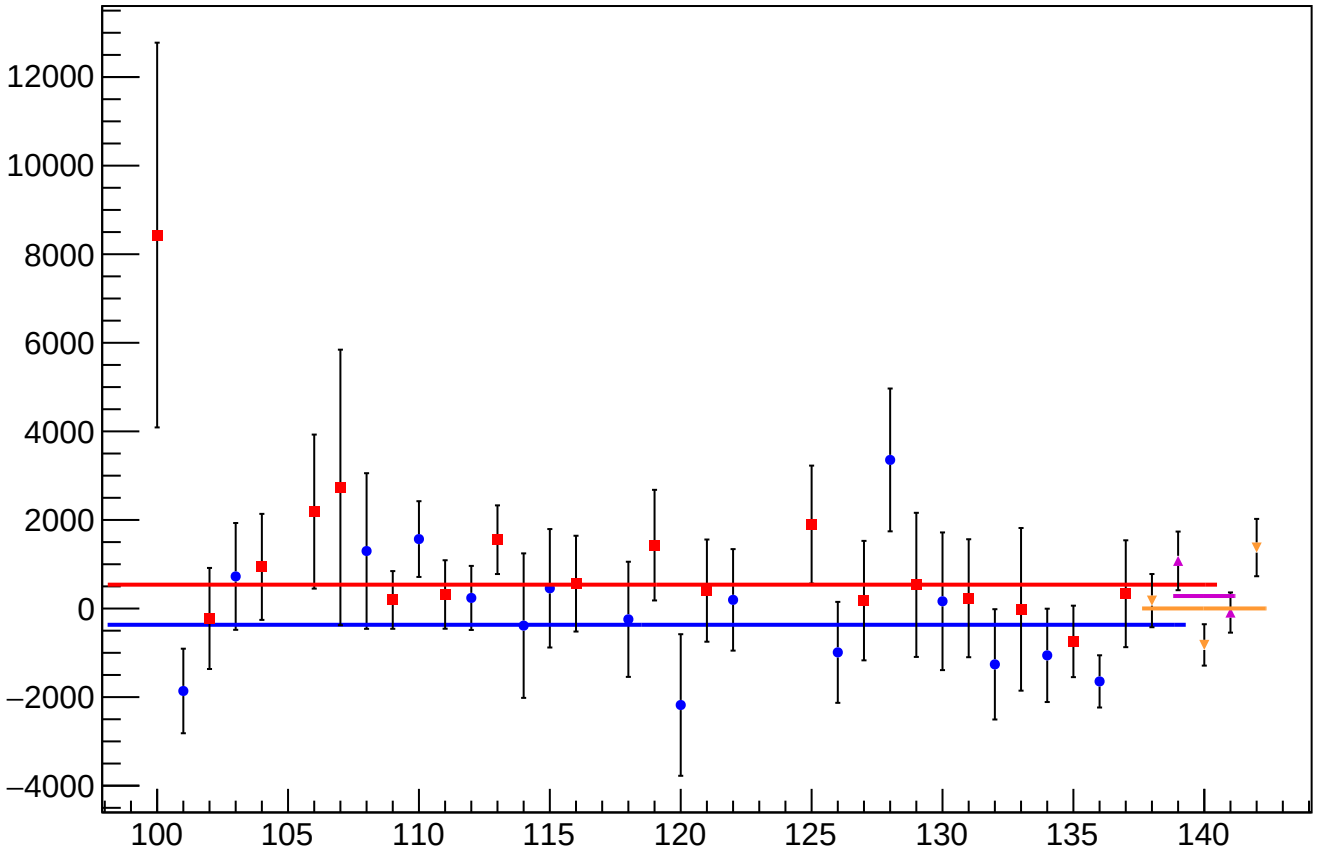
Left: 783.178+/-0.284 χ^2/NDF: 132.0/4

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

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

Out: 782.286+/-0.180 χ^2/NDF:7758.4/20

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



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

Left Out: 1.796+/-320.458 χ^2/NDF:7.7/2

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

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

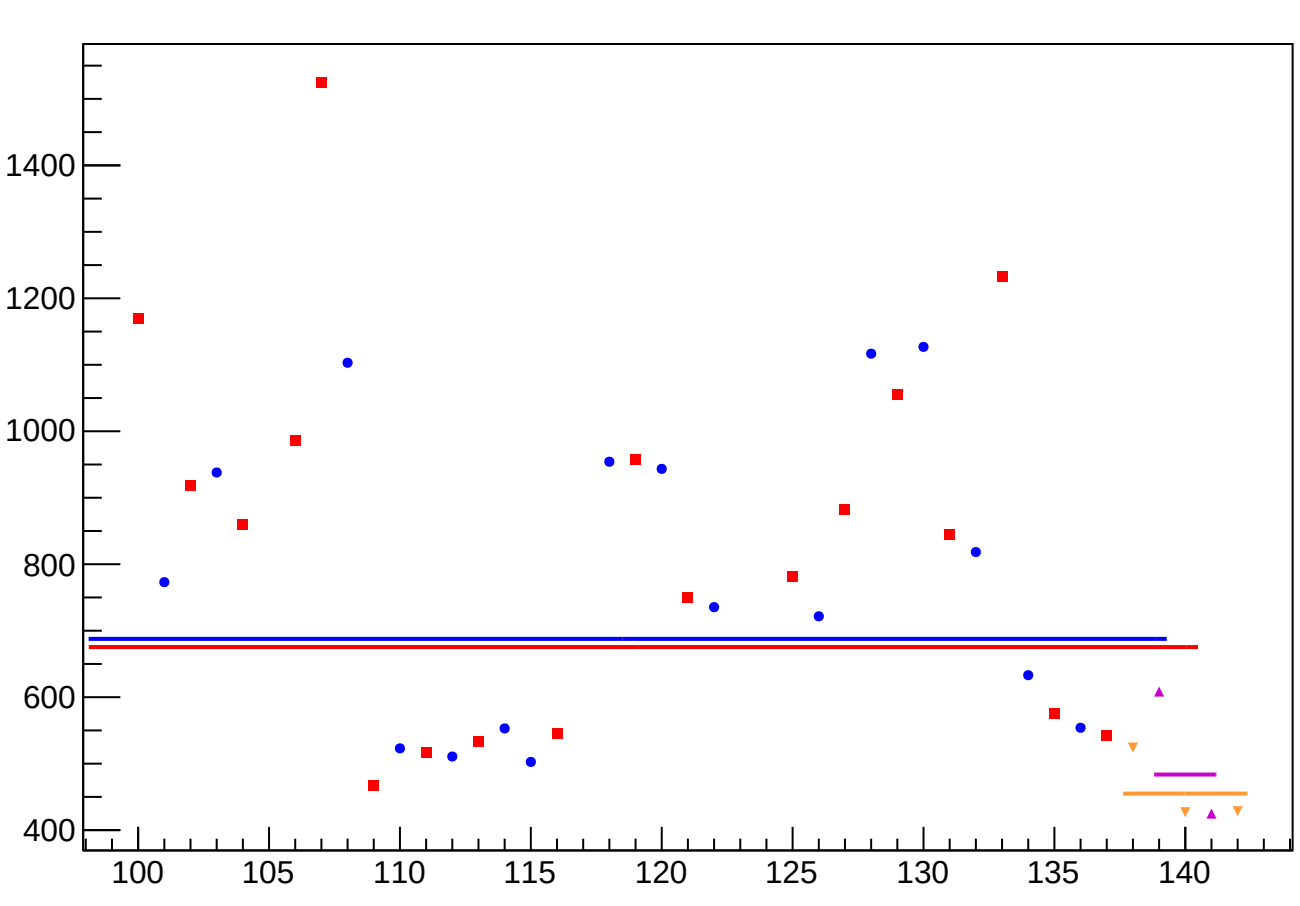
Left: 120.565+/-243.426 χ^2/NDF: 10.1/4

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

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

Out: 322.817+/-203.257 χ^2/NDF:21.0/20

All: 102.884+/-148.409 χ^2/NDF: 51.0/38



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

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

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

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

Left: 467.106+/-0.172 χ^2/NDF: 148505.5/4

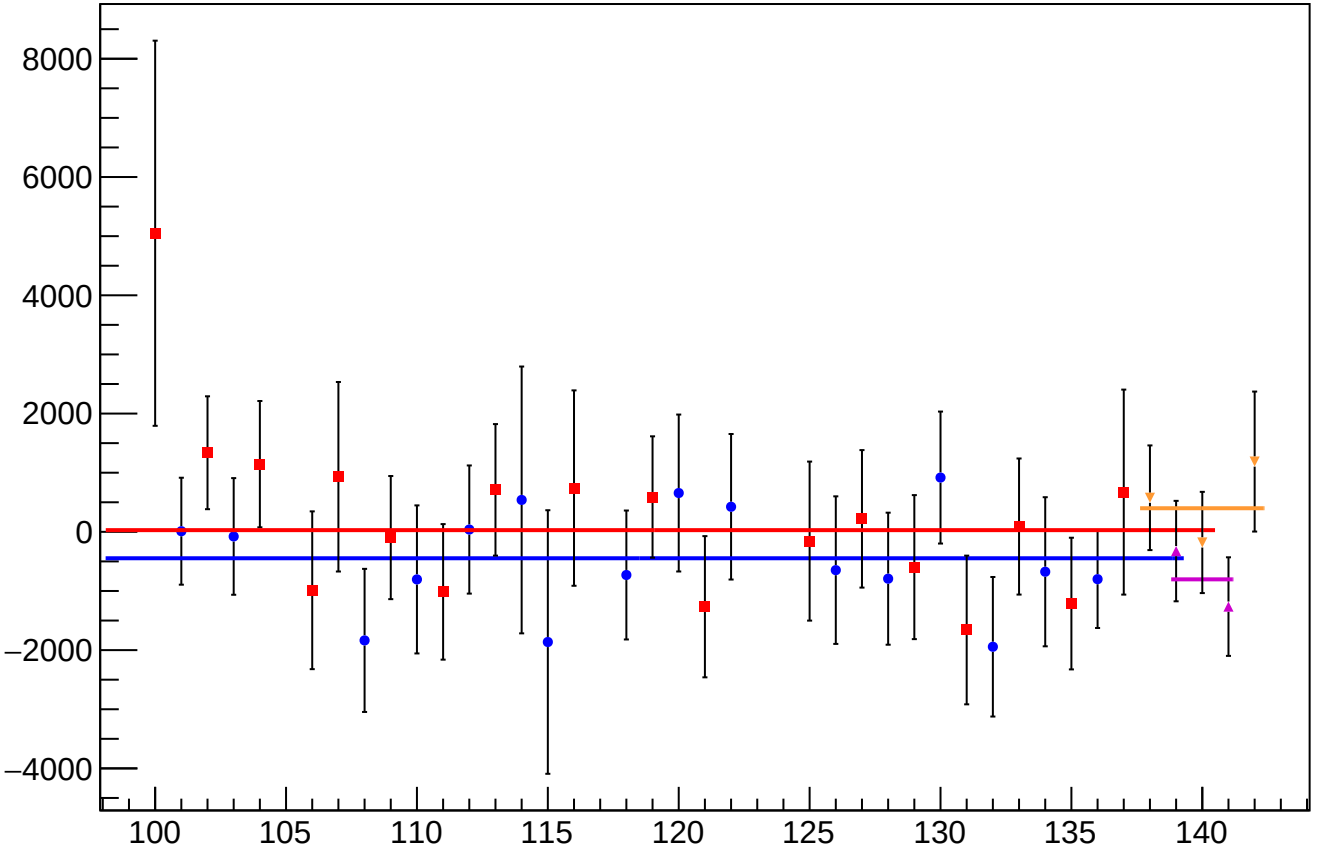
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 586.737+/-0.144 χ^2/NDF:1915620.6/20

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

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 399.084+/-545.893 χ^2/NDF:0.9/2

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

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

Left: -150.592+/-402.210 χ^2/NDF: 3.8/4

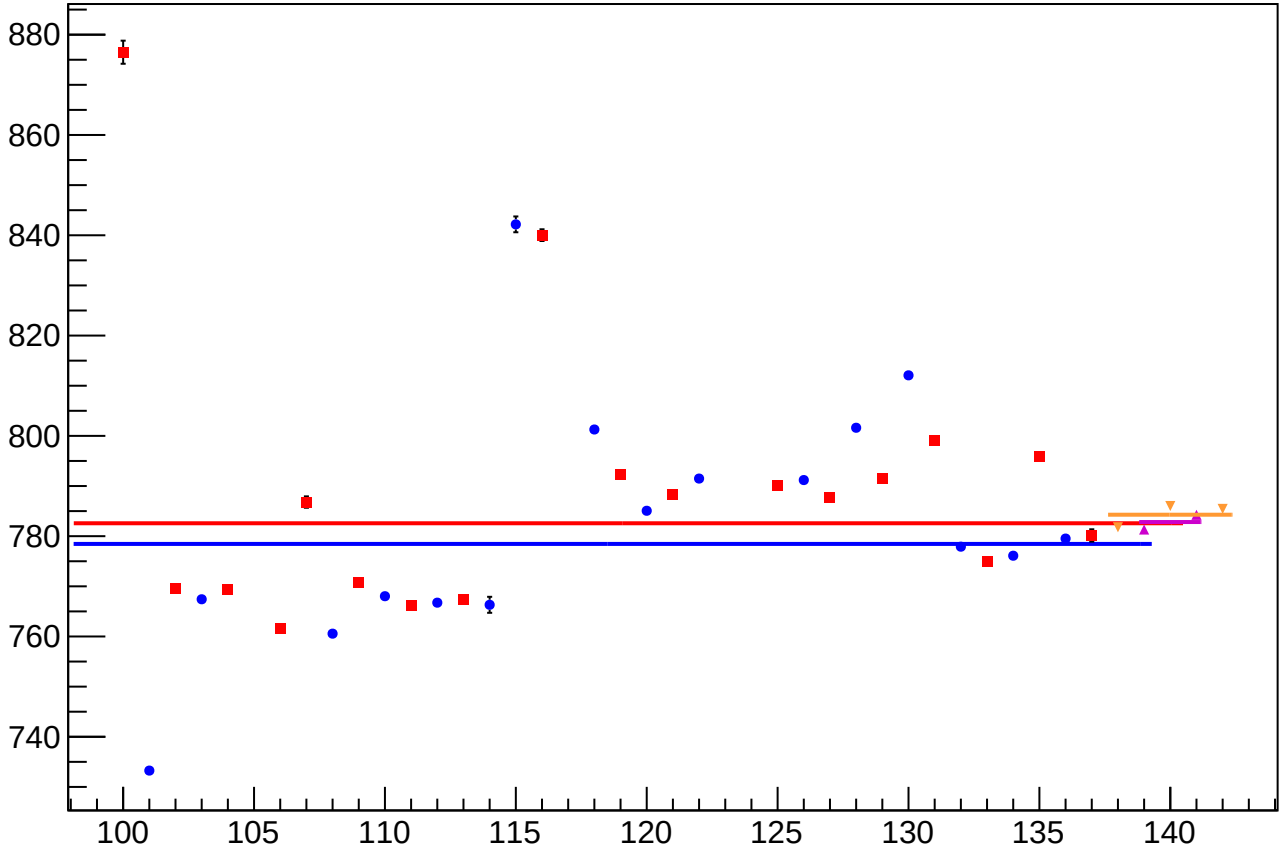
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -514.858+/-260.121 χ^2/NDF:8.2/17

Out: 109.576+/-254.982 χ^2/NDF:13.9/20

All: -196.411+/-182.089 χ^2/NDF: 25.1/38

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 784.280+/-0.386 χ^2/NDF:26.1/2

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

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

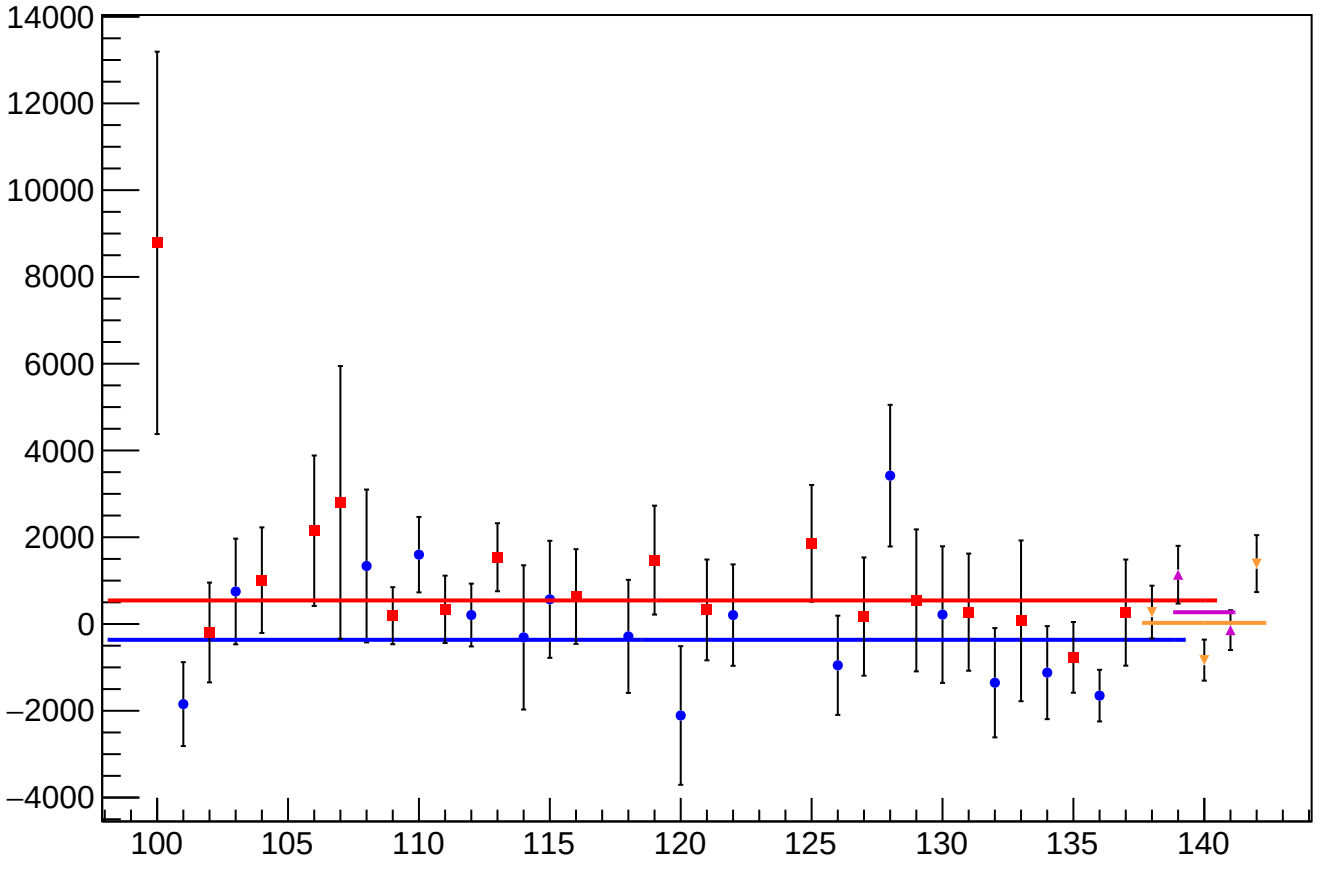
Left: 783.613+/-0.284 χ^2/NDF: 44.7/4

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

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

Out: 782.947+/-0.180 χ^2/NDF:7522.7/20

All: 781.155+/-0.129 χ^2/NDF: 19618.8/38



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

Left Out: 26.152+/-324.489 χ^2/NDF:7.8/2

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

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

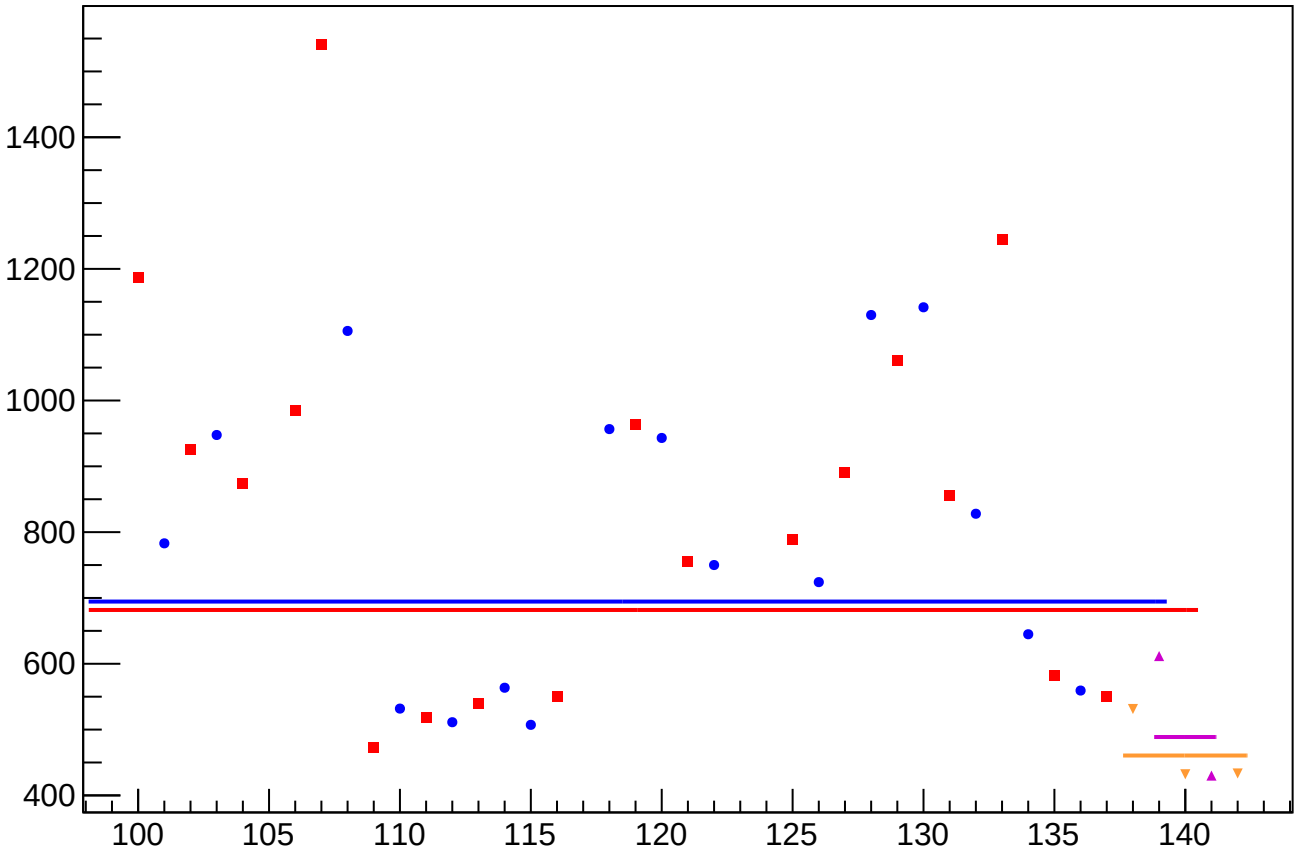
Left: 130.254+/-246.186 χ^2/NDF: 10.5/4

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

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

Out: 335.880+/-205.378 χ^2/NDF:21.1/20

All: 108.895+/-149.911 χ^2/NDF: 51.4/38



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

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

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

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

Left: 472.542+/-0.174 χ^2/NDF: 145063.3/4

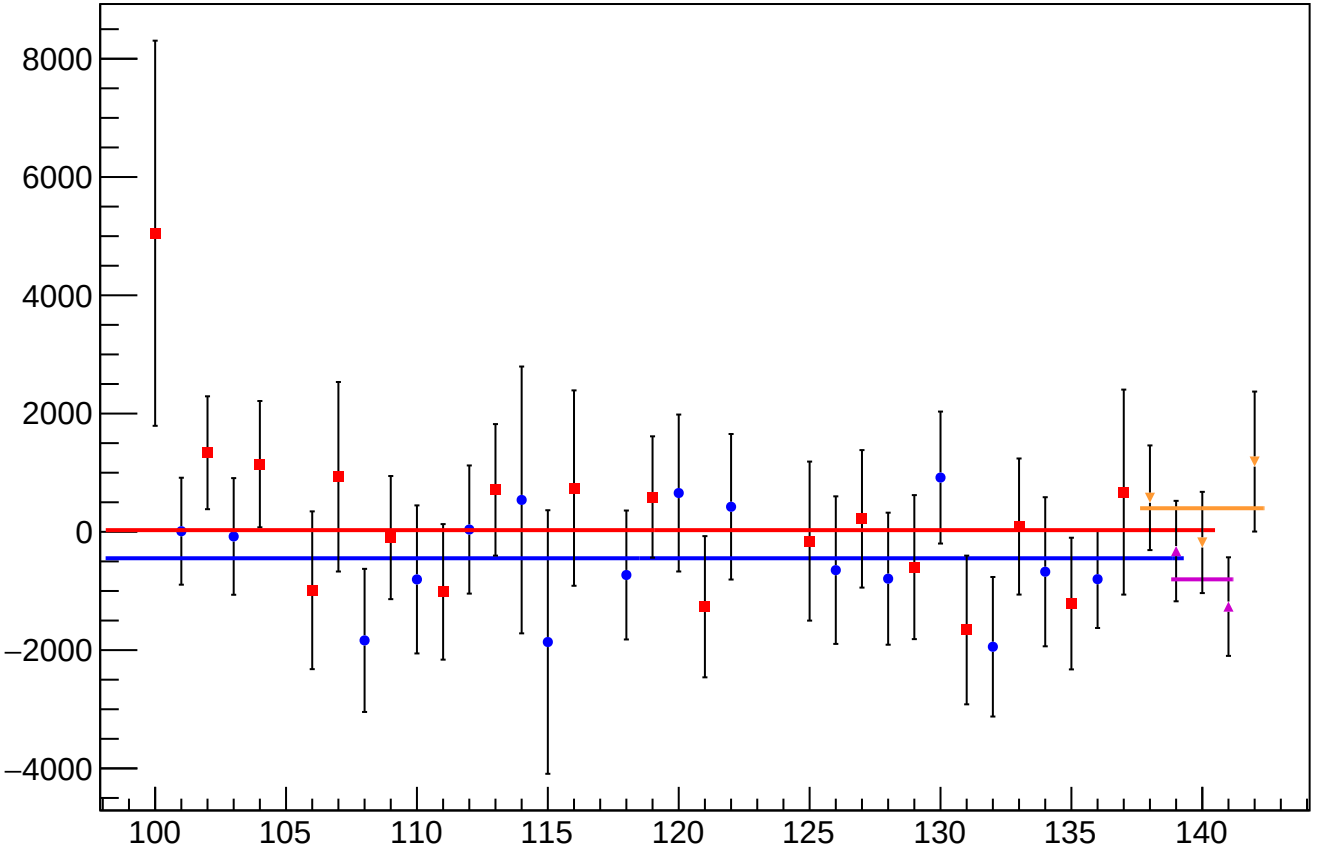
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

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

Out: 593.156+/-0.145 χ^2/NDF:1905803.7/20

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

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 399.084+/-545.893 χ^2/NDF:0.9/2

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

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

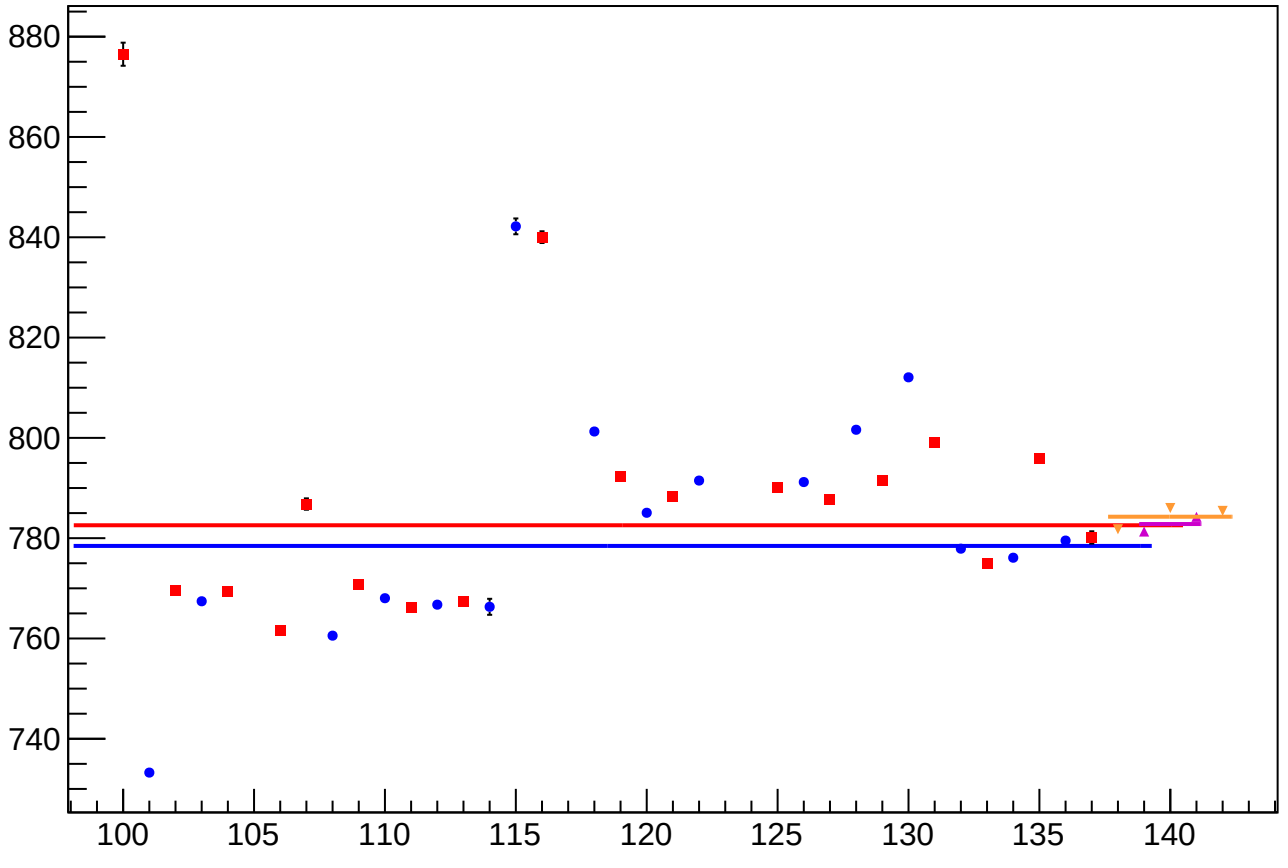
Left: -150.590+/-402.210 χ^2/NDF: 3.8/4

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

In: -514.858+/-260.121 χ^2/NDF:8.2/17

Out: 109.575+/-254.982 χ^2/NDF:13.9/20

All: -196.411+/-182.089 χ^2/NDF: 25.1/38



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

Left Out: 784.280+/-0.386 χ^2/NDF:26.1/2

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

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

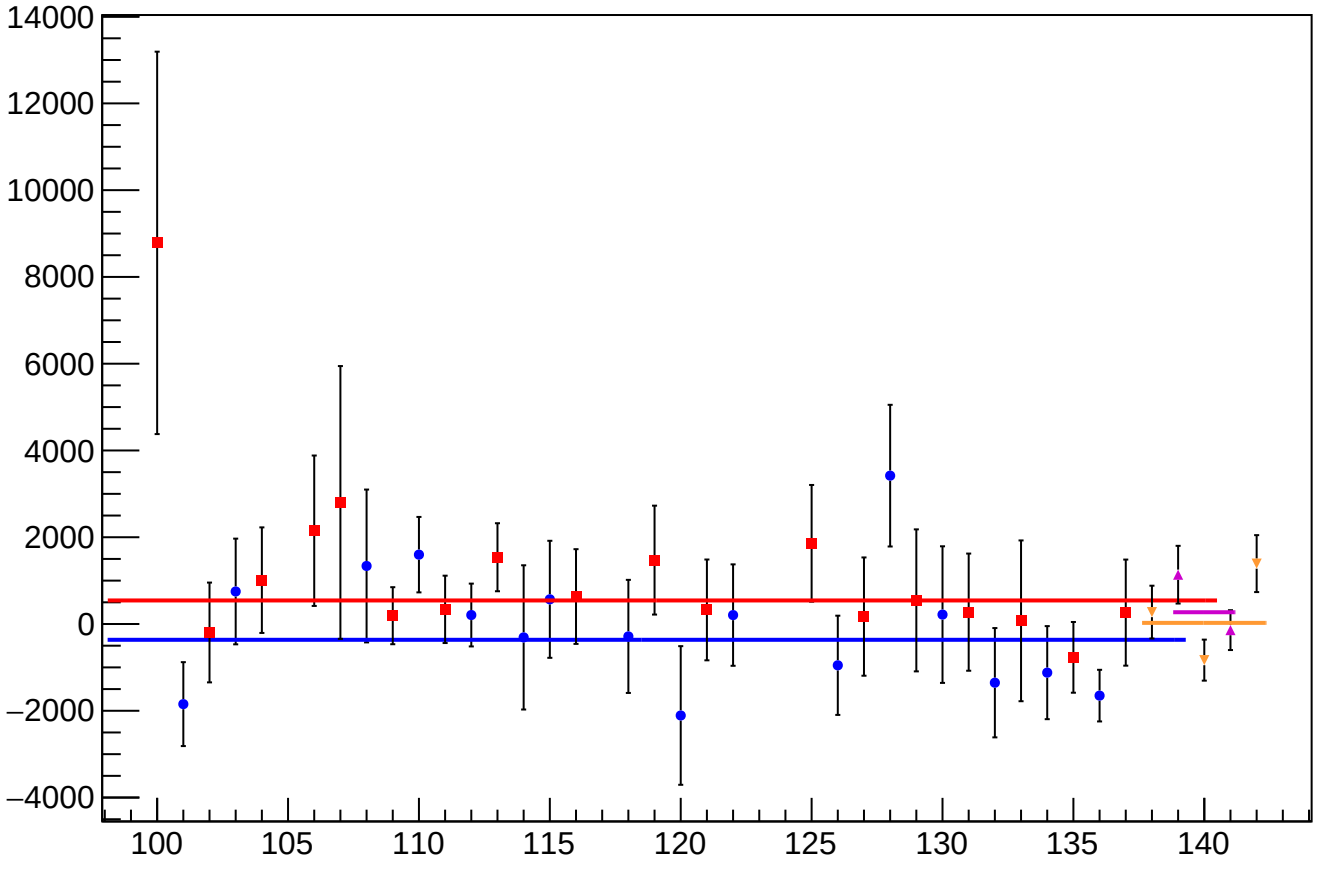
Left: 783.613+/-0.284 χ^2/NDF: 44.7/4

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

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

Out: 782.947+/-0.180 χ^2/NDF:7522.7/20

All: 781.155+/-0.129 χ^2/NDF: 19618.7/38



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

Left Out: 26.150+/-324.489 χ^2/NDF:7.8/2

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

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

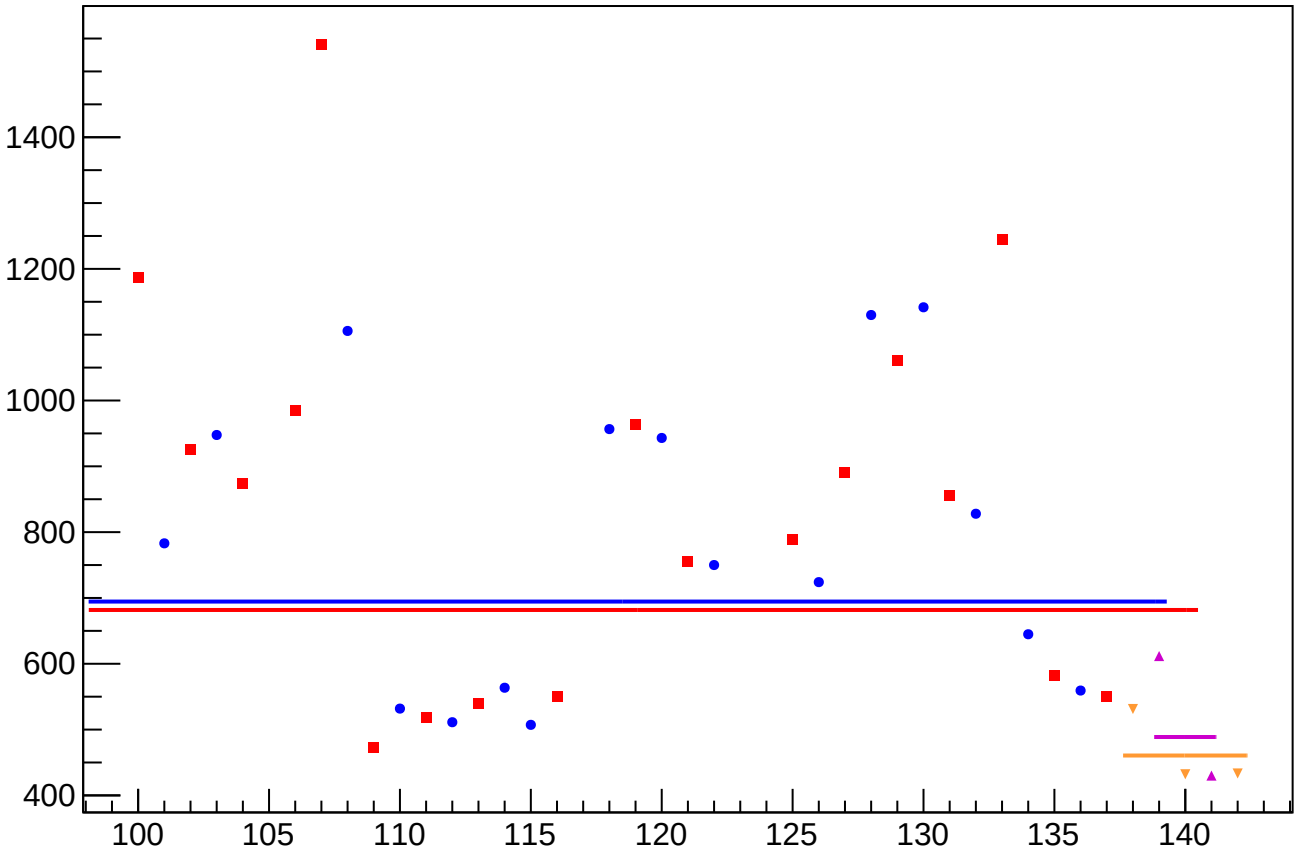
Left: 130.251+/-246.186 χ^2/NDF: 10.5/4

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

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

Out: 335.879+/-205.377 χ^2/NDF:21.1/20

All: 108.895+/-149.910 χ^2/NDF: 51.4/38



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

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

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

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

Left: 472.541+/-0.174 χ^2/NDF: 145074.6/4

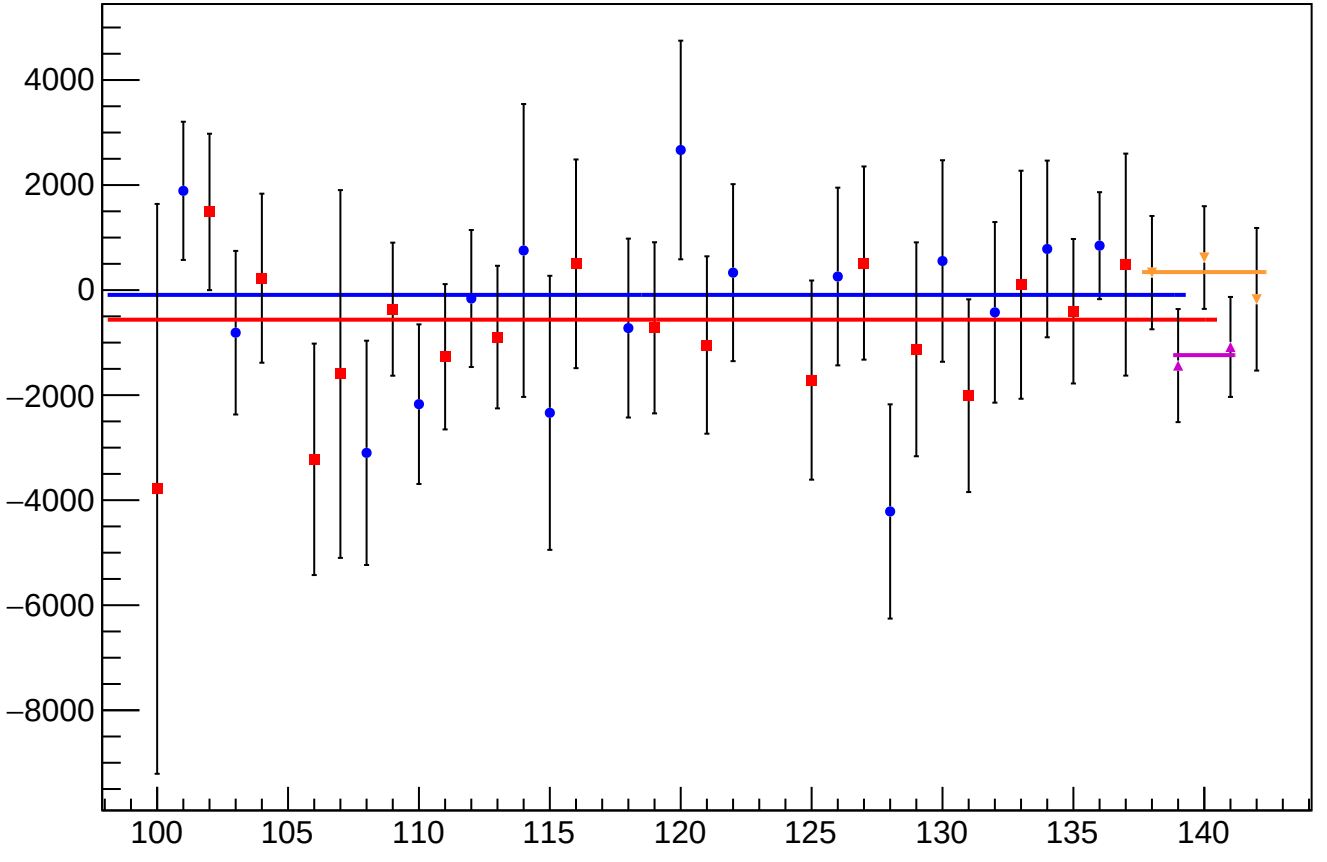
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

Out: 593.154+/-0.145 χ^2/NDF:1905817.3/20

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

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 342.910+/-639.209 χ^2/NDF:0.2/2

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

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

Left: -361.433+/-475.995 χ^2/NDF: 3.0/4

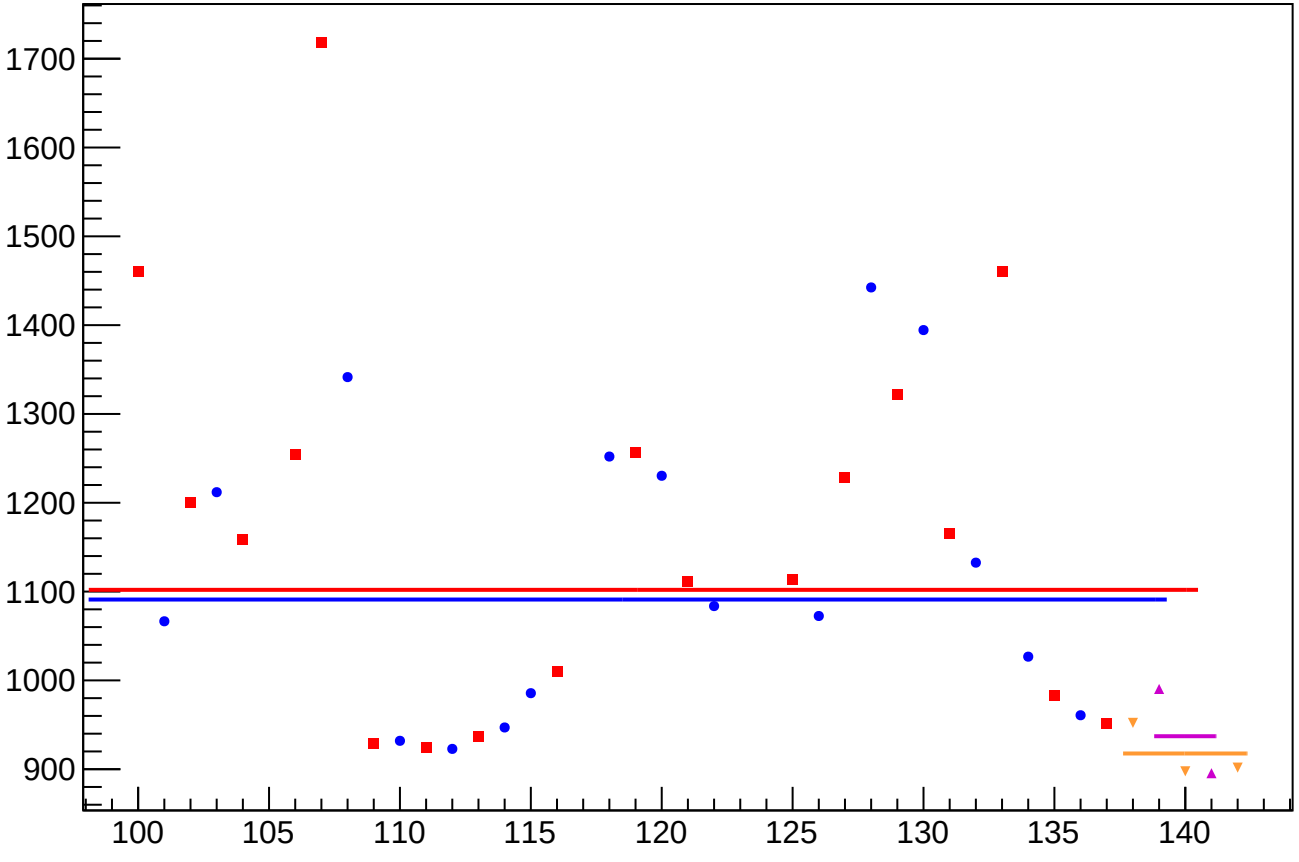
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -376.156+/-355.418 χ^2/NDF:16.5/17

Out: -297.713+/-346.041 χ^2/NDF:8.2/20

All: -335.886+/-247.937 χ^2/NDF: 24.7/38

asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

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

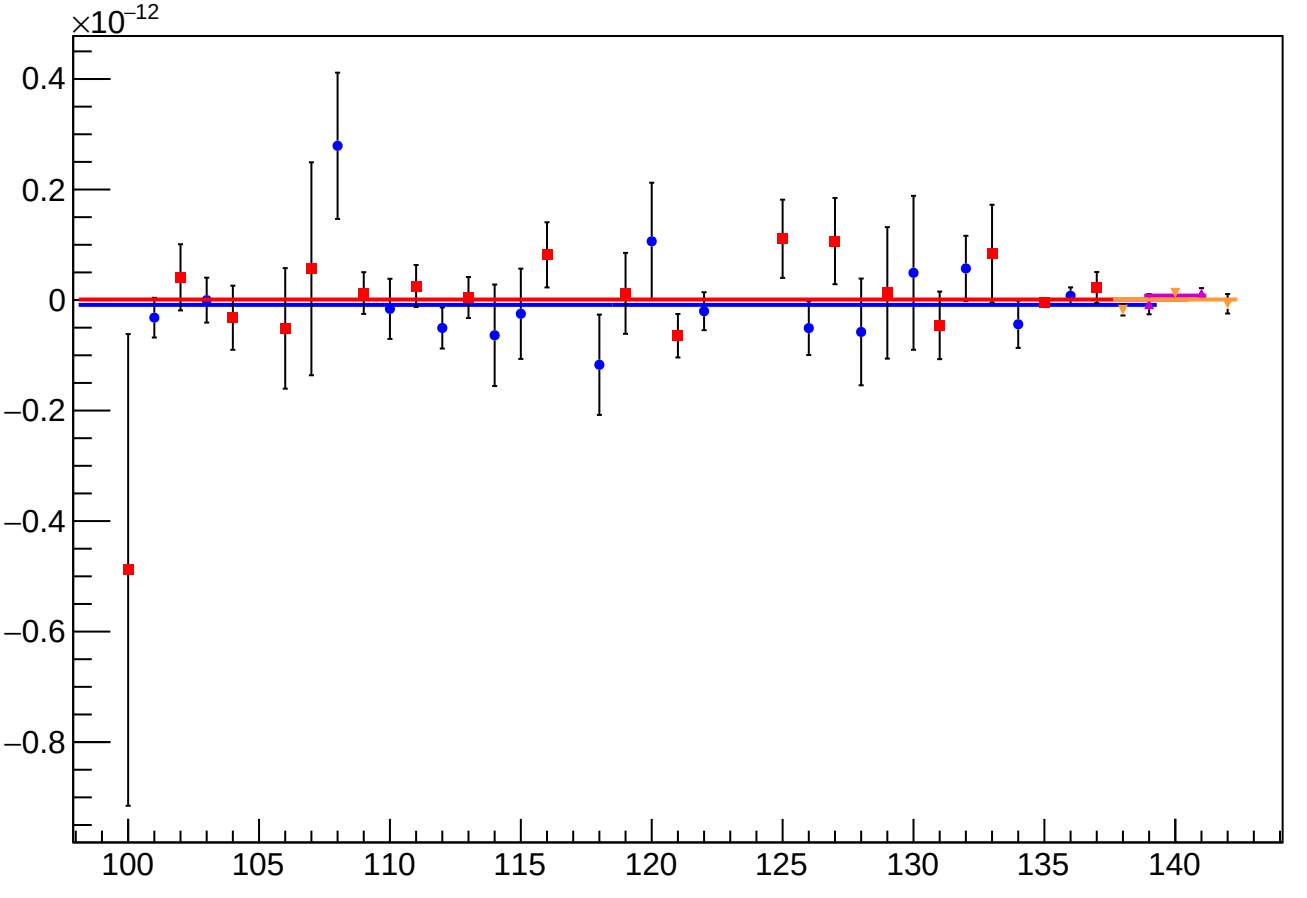
Left: 926.355+/-0.337 χ^2/NDF: 12701.8/4

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

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

Out: 1047.952+/-0.245 χ^2/NDF:448754.7/20

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/2

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

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

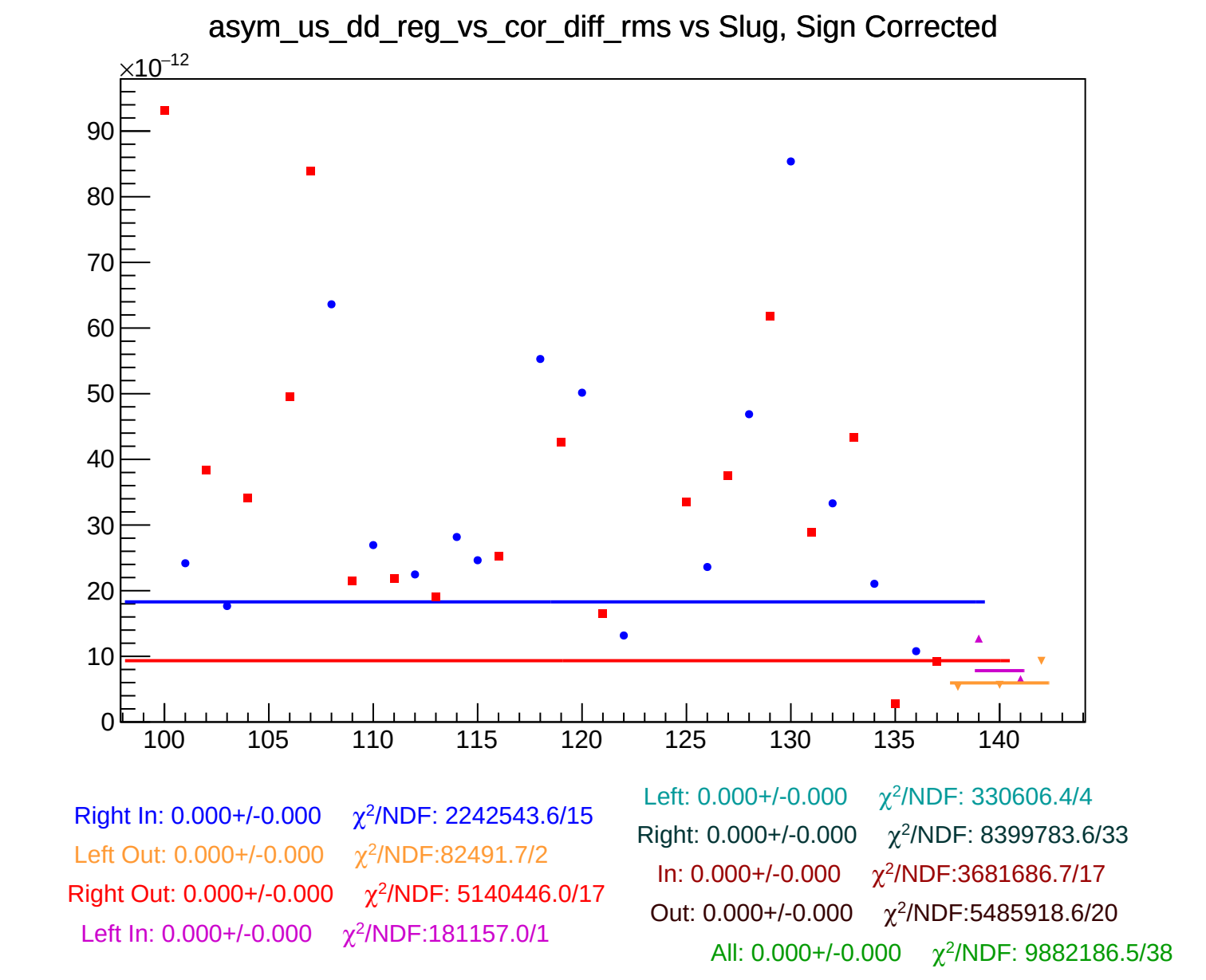
Left: 0.000+/-0.000 χ^2/NDF: 7.3/4

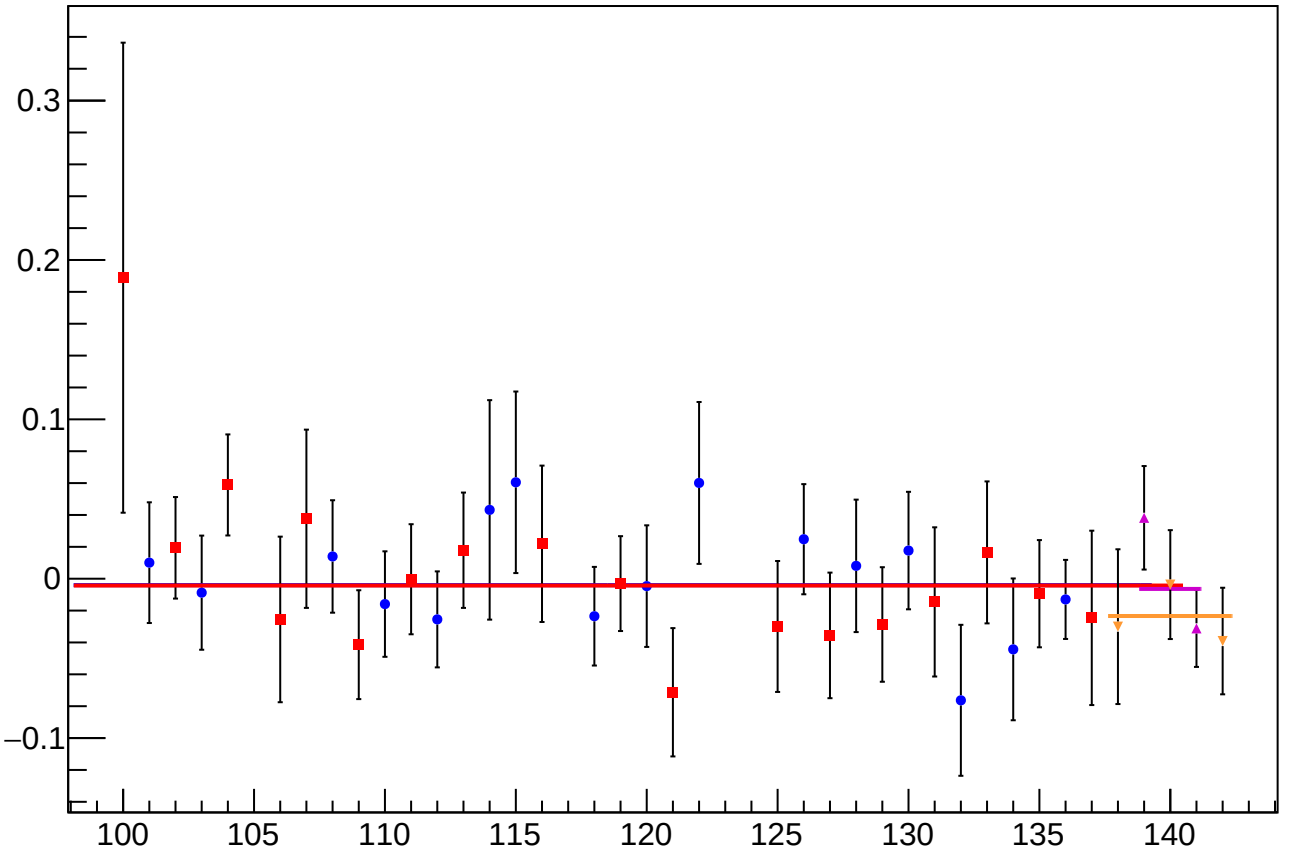
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:16.4/17

Out: 0.000+/-0.000 χ^2/NDF:20.2/20

All: 0.000+/-0.000 χ^2/NDF: 36.6/38


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:82491.7/2
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: 330606.4/4
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:5485918.6/20
All: 0.000+/-0.000 χ²/NDF: 9882186.5/38



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

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

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

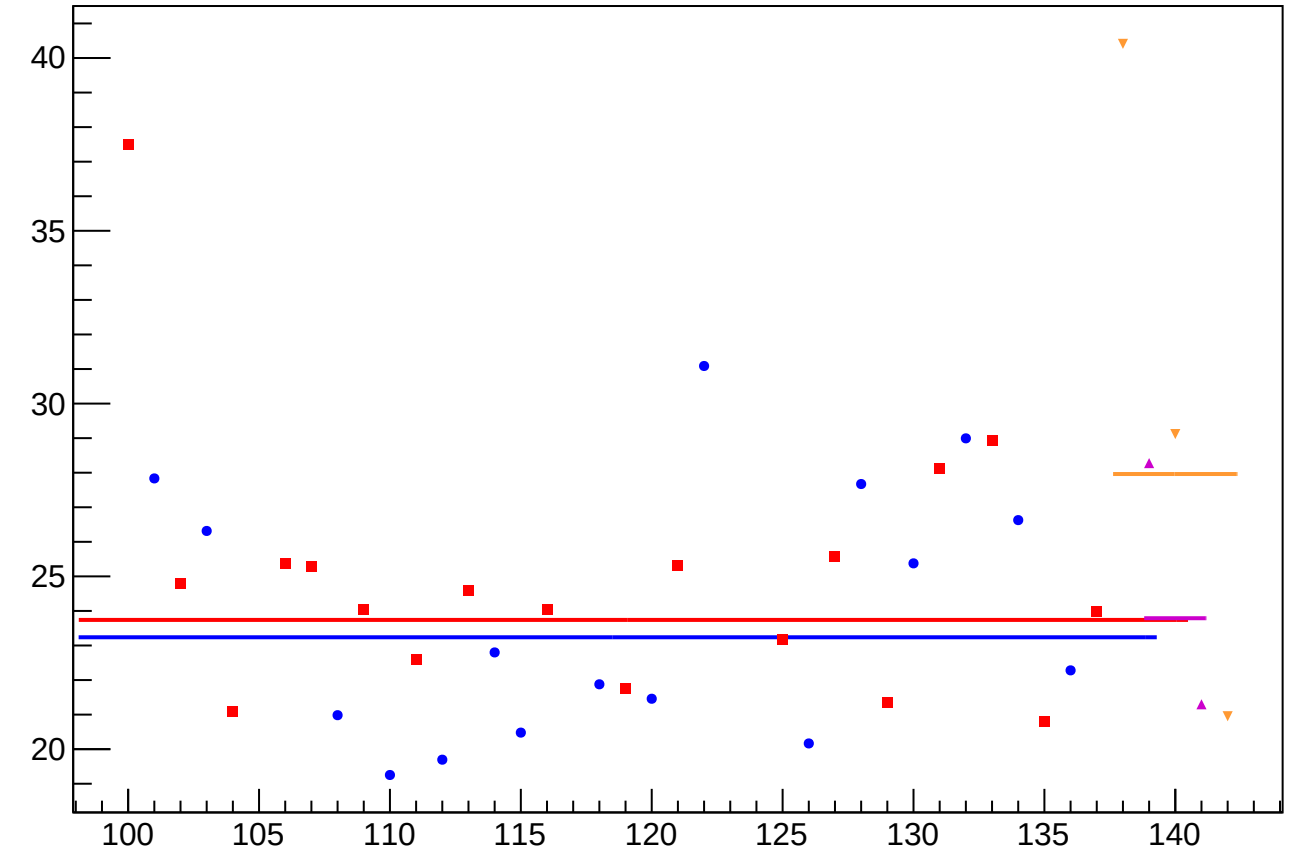
Left: -0.014+/-0.014 χ^2/NDF: 3.9/4

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

In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.006+/-0.006 χ^2/NDF: 26.9/38



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

Left Out: 27.962+/-0.015 χ^2/NDF:221582.8/2

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

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

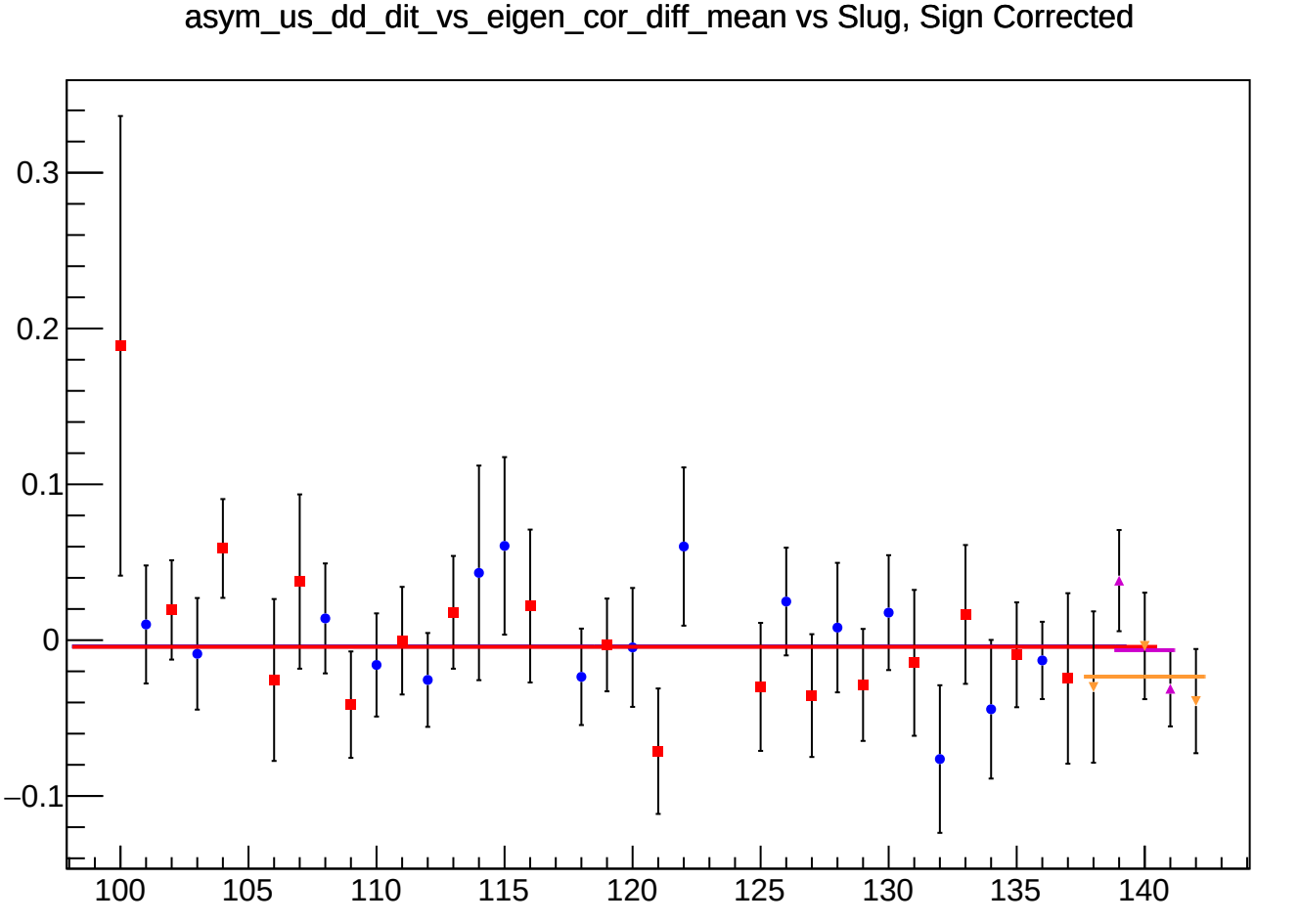
Left: 25.668+/-0.010 χ^2/NDF: 322620.0/4

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

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

Out: 24.410+/-0.006 χ^2/NDF:412987.7/20

All: 23.864+/-0.004 χ^2/NDF: 748966.3/38



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

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

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

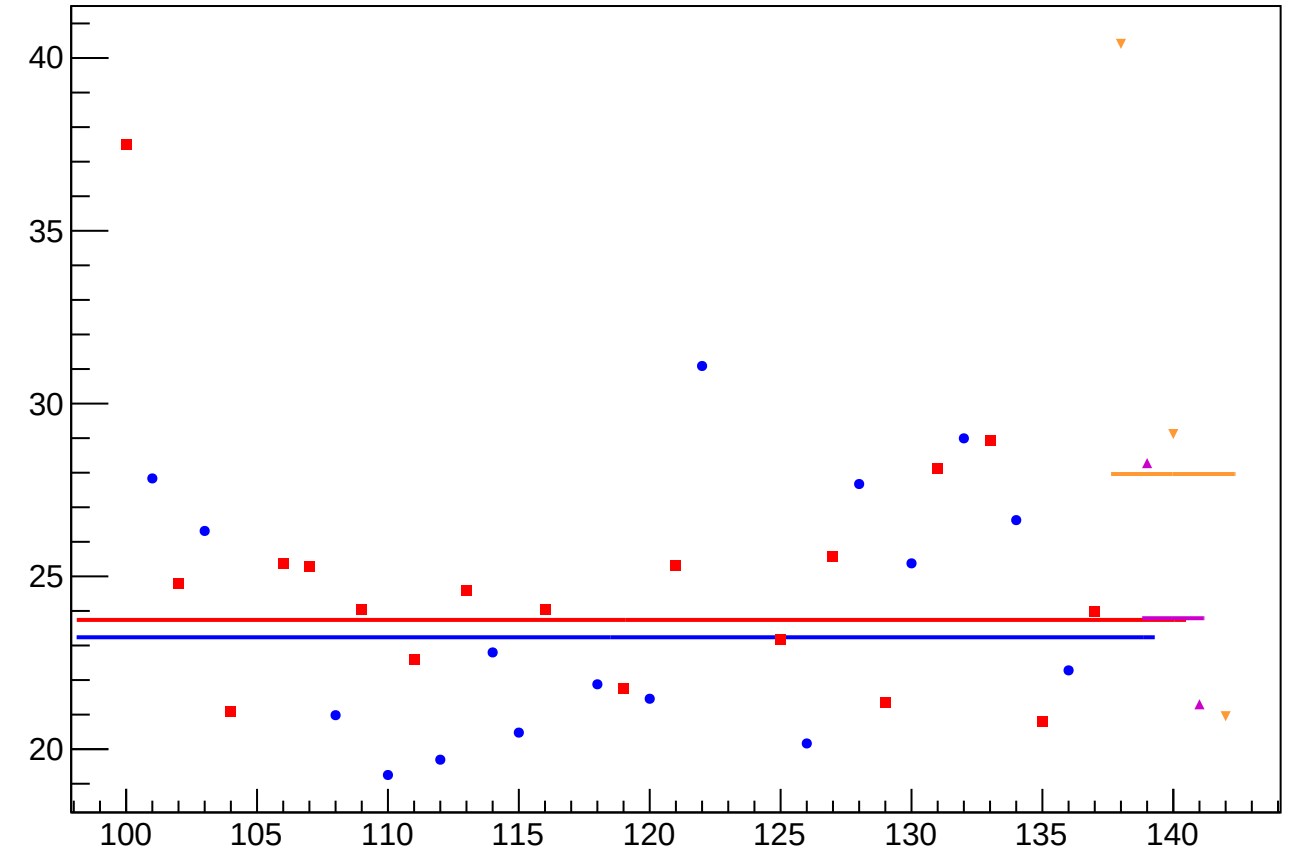
Left: -0.014+/-0.014 χ^2/NDF: 3.9/4

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

In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.006+/-0.006 χ^2/NDF: 26.9/38



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

Left Out: 27.962+/-0.015 χ^2/NDF:221582.8/2

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

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

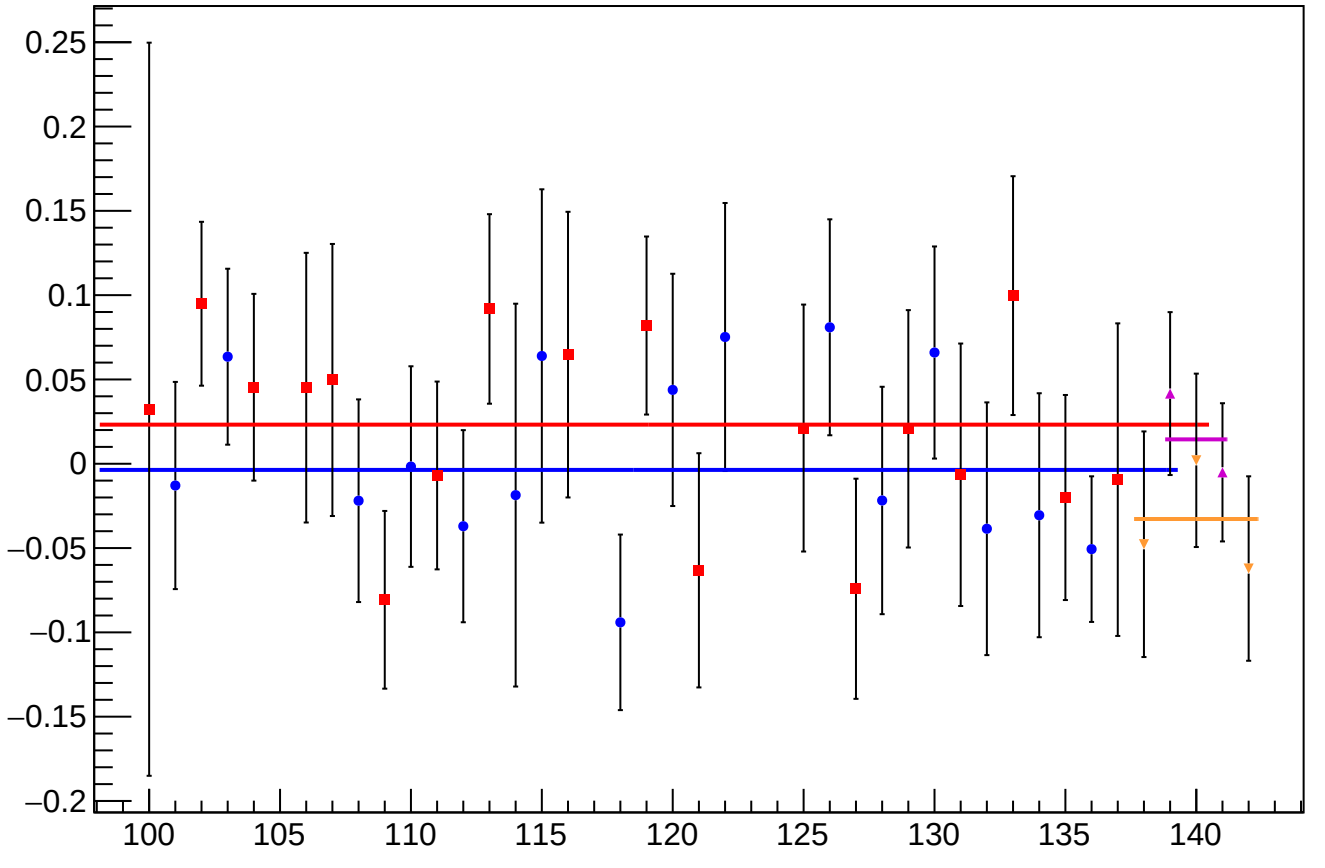
Left: 25.668+/-0.010 χ^2/NDF: 322620.0/4

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

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

Out: 24.410+/-0.006 χ^2/NDF:412987.7/20

All: 23.864+/-0.004 χ^2/NDF: 748966.3/38



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

Left Out: -0.033+/-0.033 χ^2/NDF:0.8/2

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

Left In: 0.014+/-0.031 χ^2/NDF:0.5/1

Left: -0.008+/-0.023 χ^2/NDF: 2.4/4

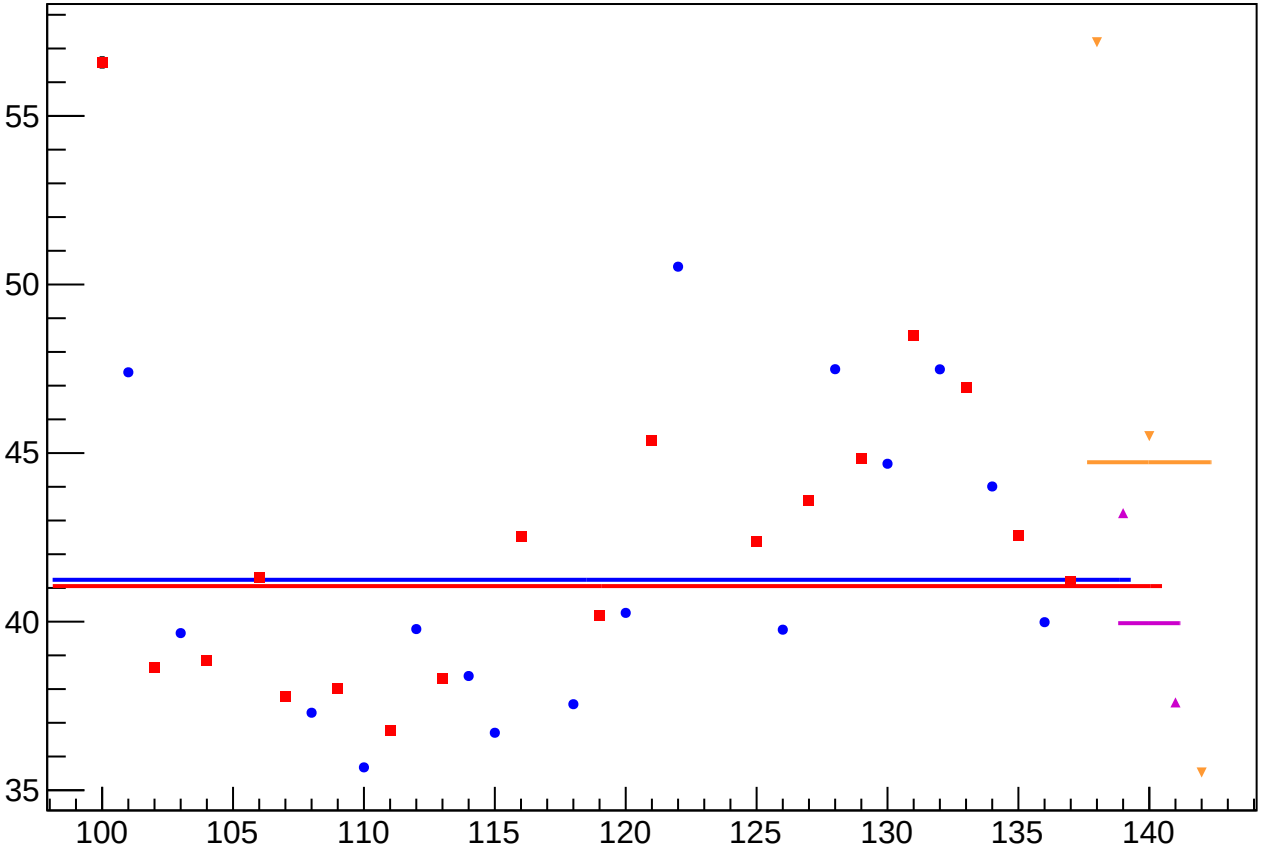
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.000+/-0.014 χ^2/NDF:12.5/17

Out: 0.013+/-0.014 χ^2/NDF:18.6/20

All: 0.006+/-0.010 χ^2/NDF: 31.5/38

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: 44.728+/-0.023 χ^2/NDF:126376.6/2

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

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

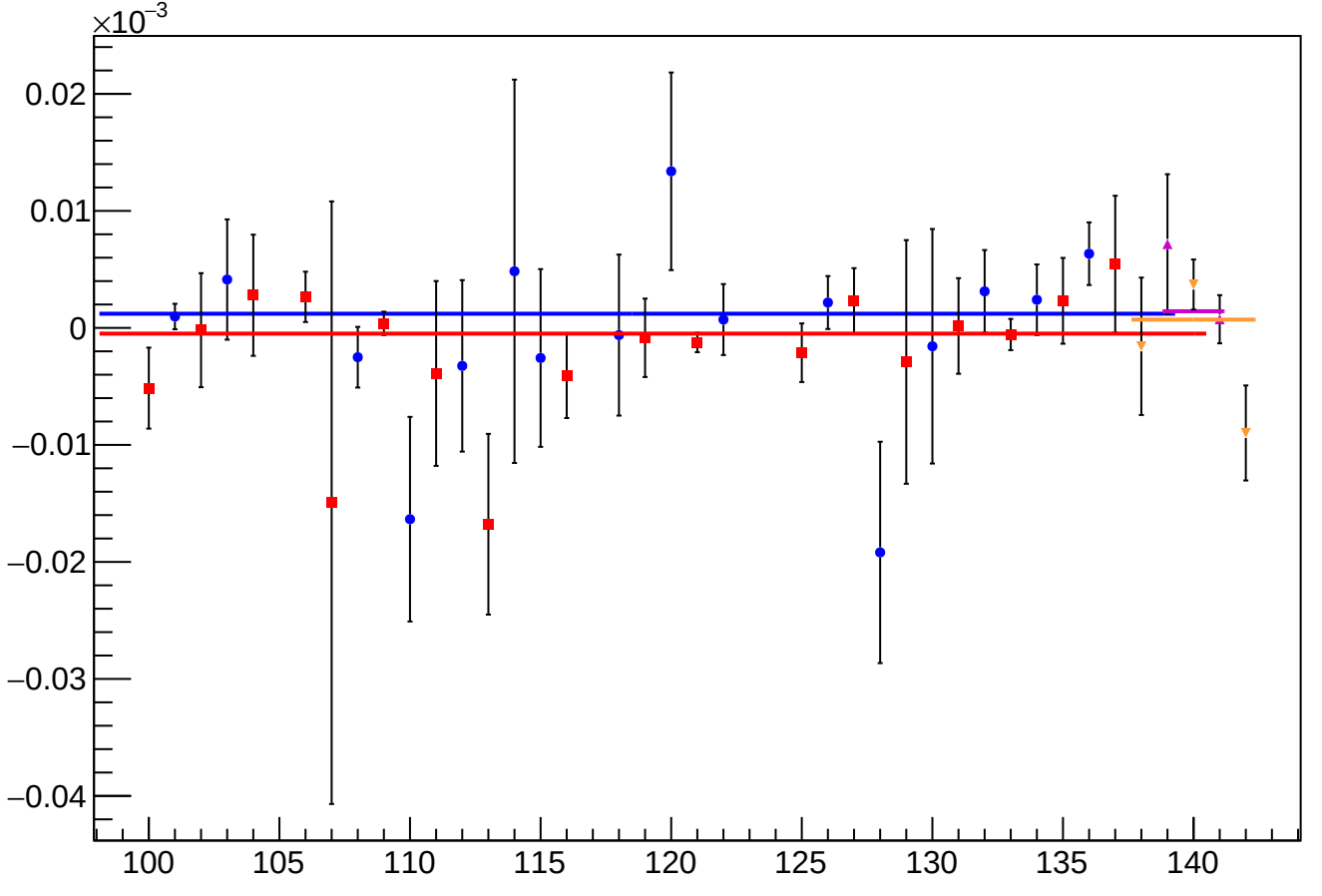
Left: 42.234+/-0.016 χ^2/NDF: 164366.6/4

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

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

Out: 41.729+/-0.010 χ^2/NDF:243556.3/20

All: 41.357+/-0.007 χ^2/NDF: 400090.6/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/2

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

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

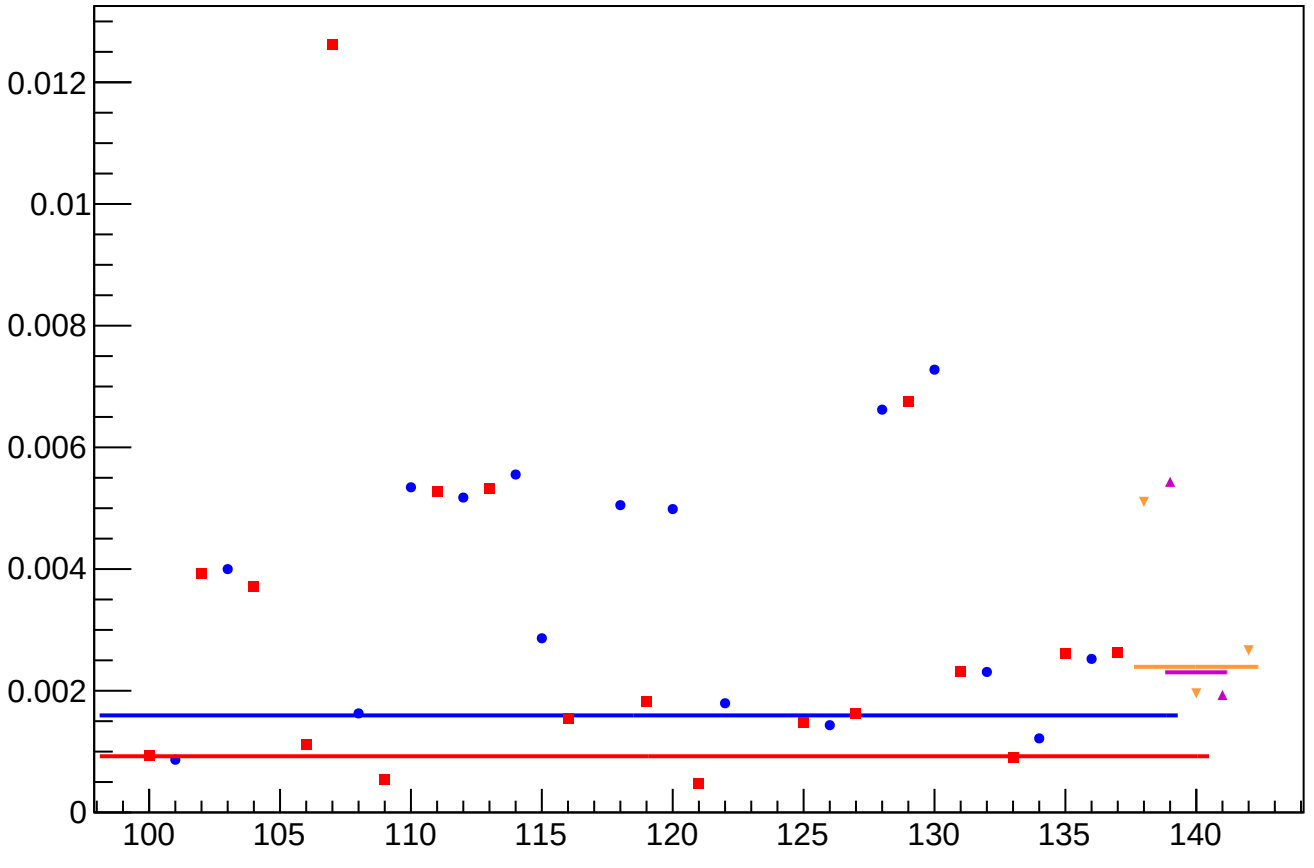
Left: 0.000+/-0.000 χ^2/NDF: 8.9/4

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:23.2/20

All: 0.000+/-0.000 χ^2/NDF: 46.3/38



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

Left Out: 0.002+/-0.000 χ^2/NDF:518684.0/2

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

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

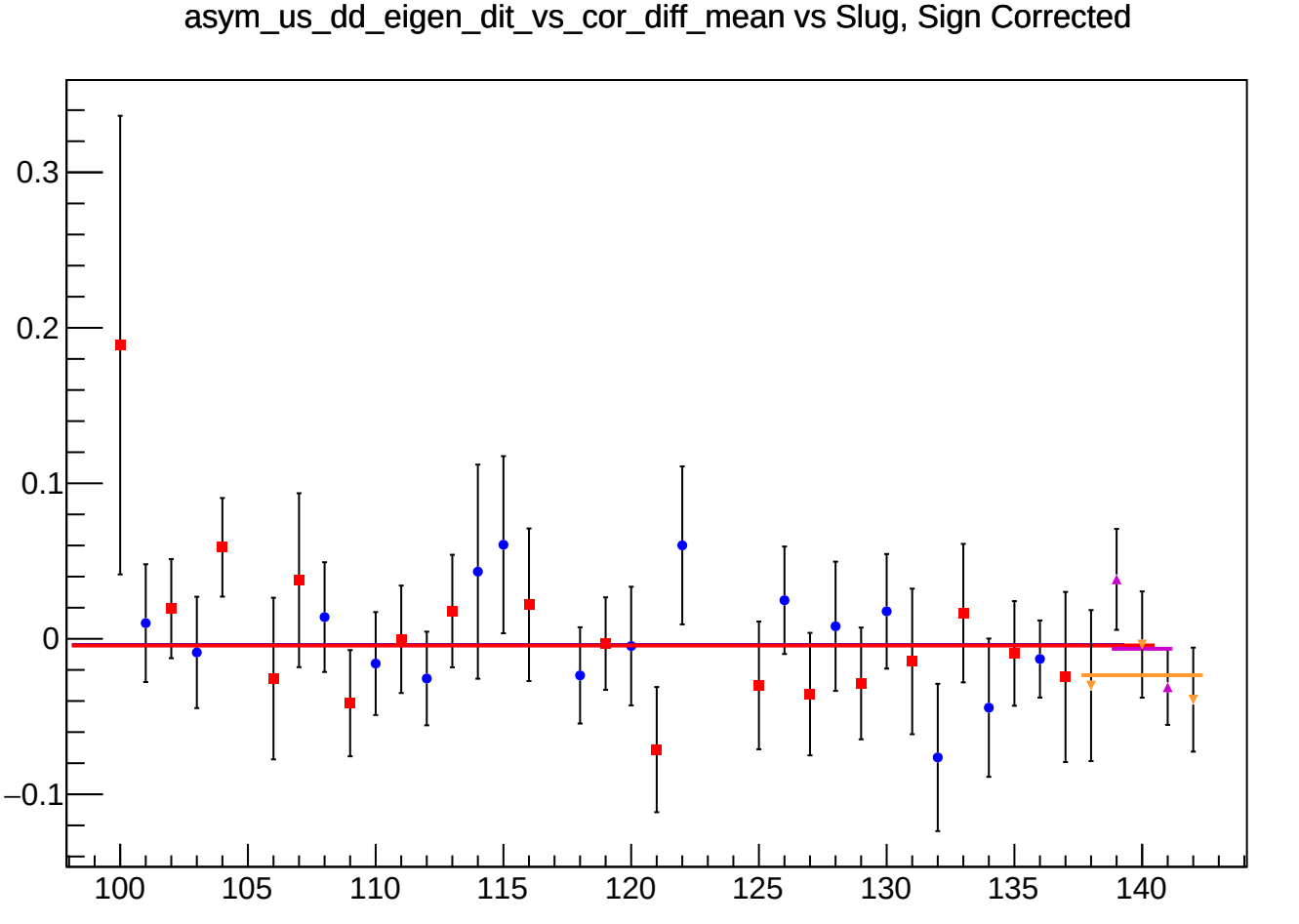
Left: 0.002+/-0.000 χ^2/NDF: 1137164.9/4

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:7535657.8/20

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



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

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

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

Left In: -0.006+/-0.019 χ^2/NDF:2.9/1

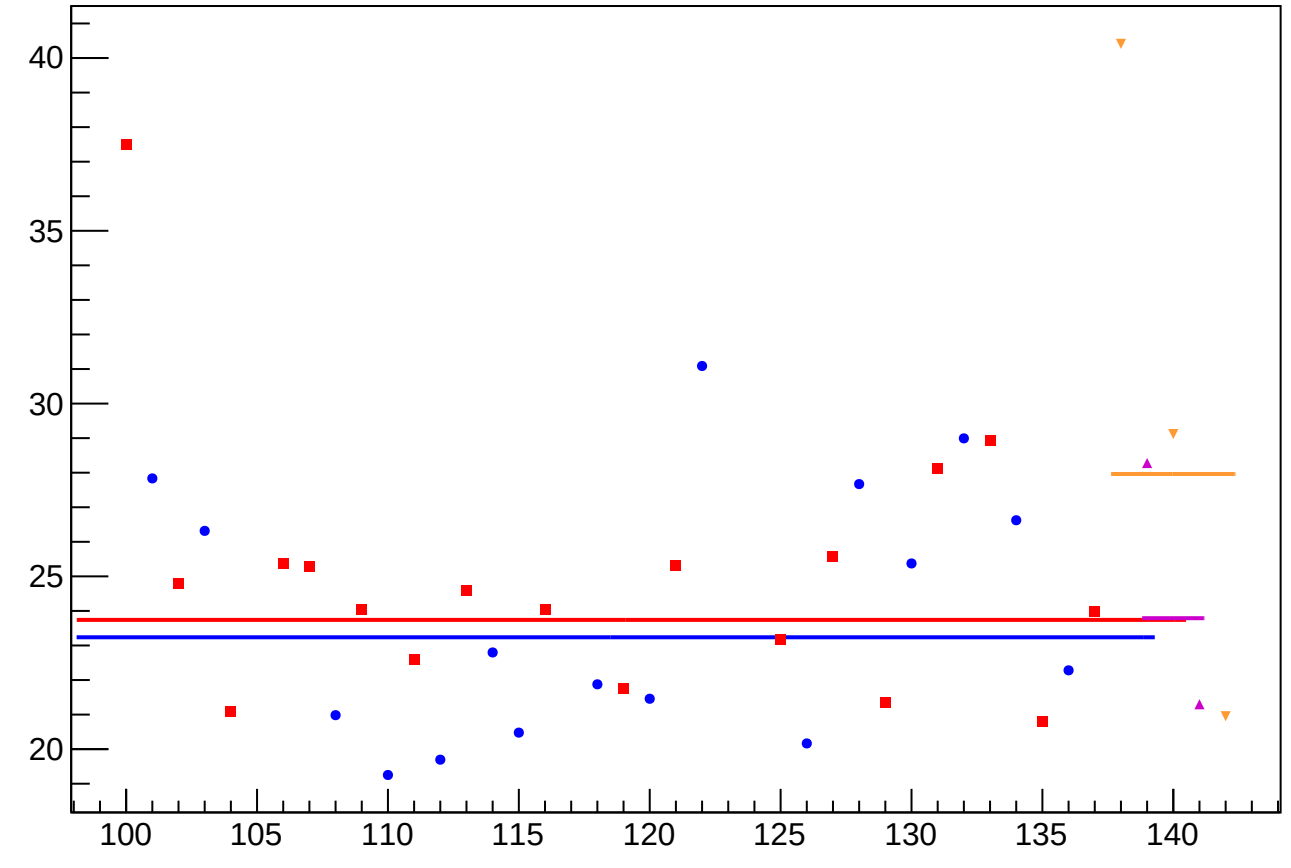
Left: -0.014+/-0.014 χ^2/NDF: 3.9/4

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

In: -0.004+/-0.008 χ^2/NDF:12.2/17

Out: -0.007+/-0.009 χ^2/NDF:14.7/20

All: -0.006+/-0.006 χ^2/NDF: 26.9/38



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

Left Out: 27.962+/-0.015 χ^2/NDF:221576.1/2

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

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

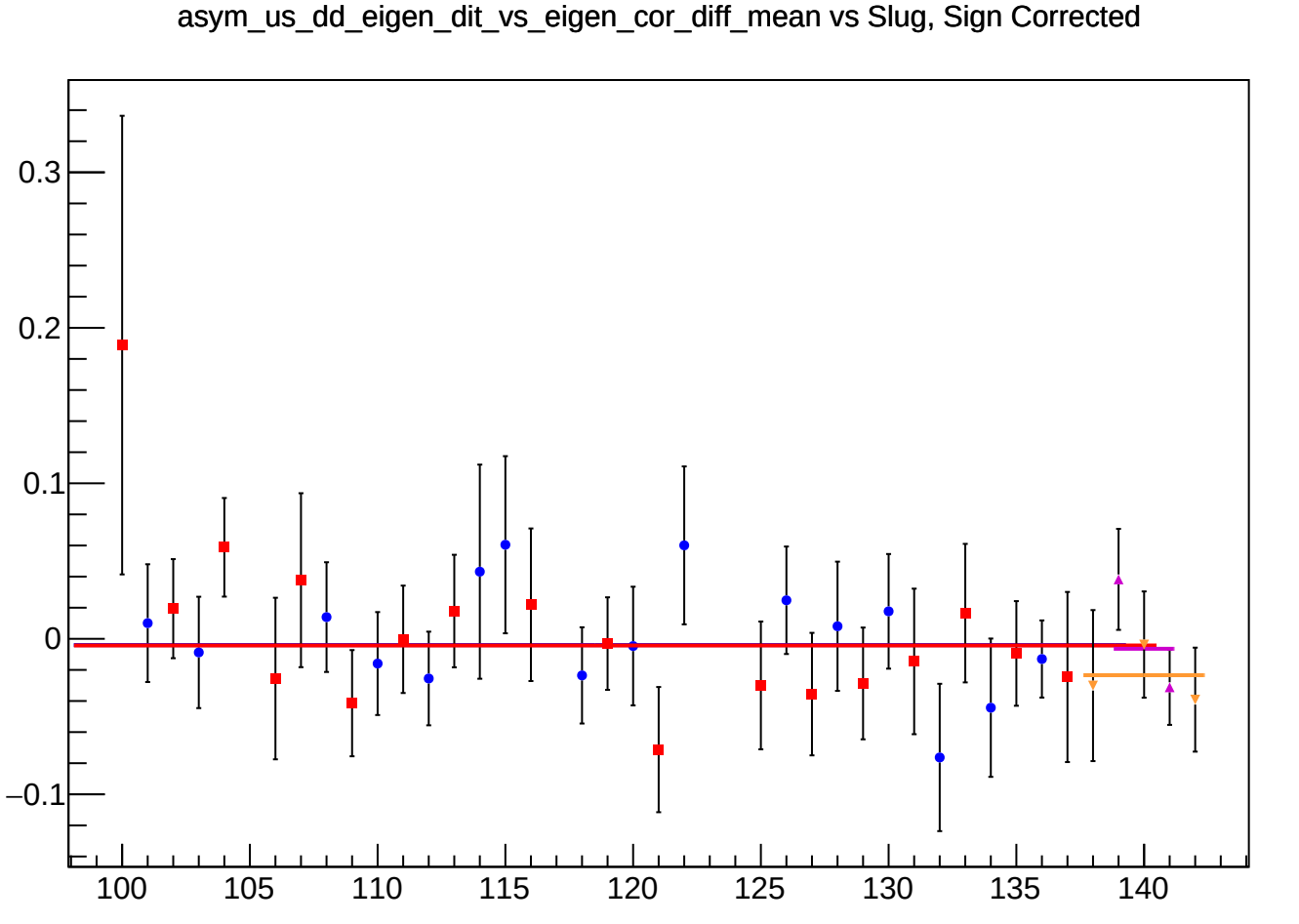
Left: 25.668+/-0.010 χ^2/NDF: 322632.8/4

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

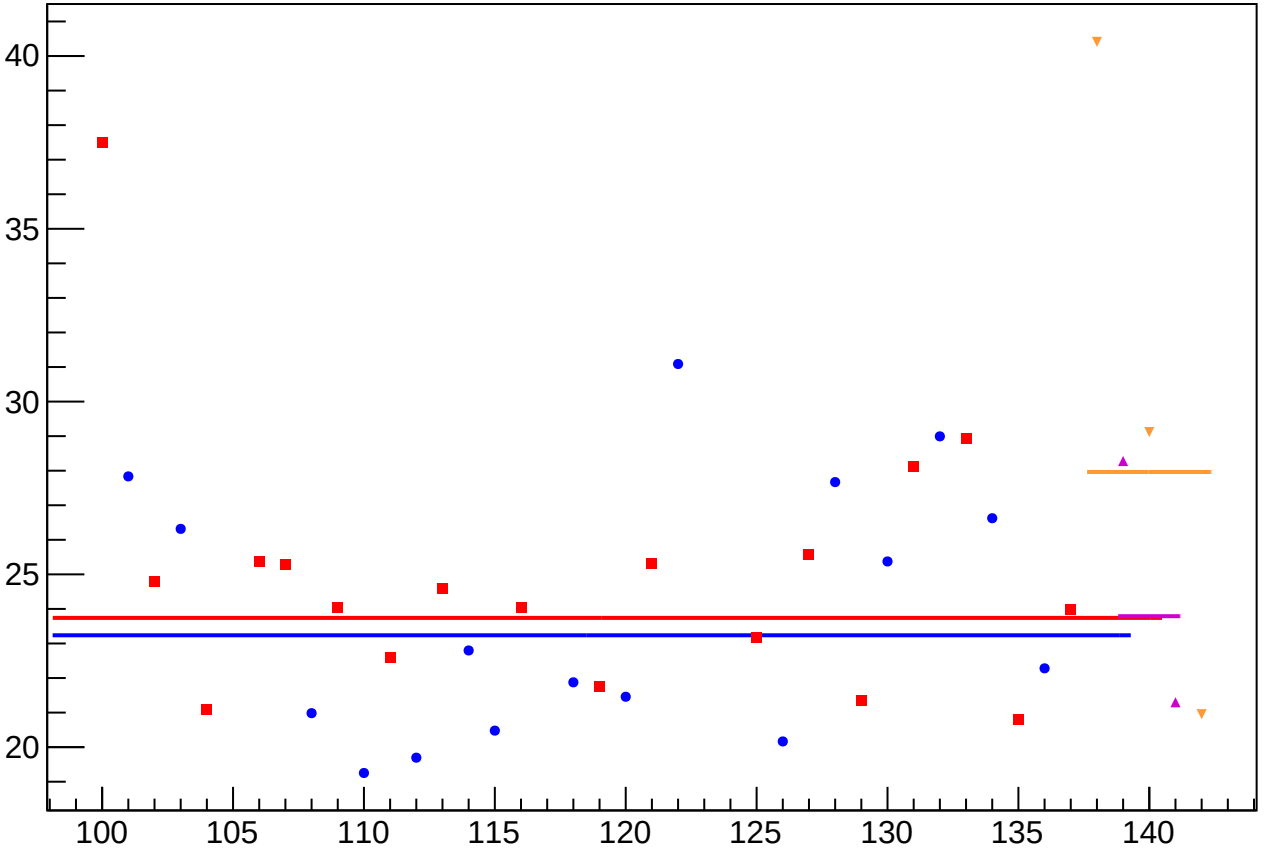
In: 23.340+/-0.006 χ^2/NDF:319955.5/17

Out: 24.411+/-0.006 χ^2/NDF:412928.6/20

All: 23.863+/-0.004 χ^2/NDF: 748943.8/38


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
105
110
115
120
125
130
135
140
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: -0.023+/-0.021 χ²/NDF:0.6/2
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.006+/-0.019 χ²/NDF:2.9/1
Left: -0.014+/-0.014 χ²/NDF: 3.9/4
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: -0.004+/-0.008 χ²/NDF:12.2/17
Out: -0.007+/-0.009 χ²/NDF:14.7/20
All: -0.006+/-0.006 χ²/NDF: 26.9/38

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 27.962+/-0.015 χ^2/NDF:221576.1/2

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: 25.668+/-0.010 χ^2/NDF: 322632.8/4

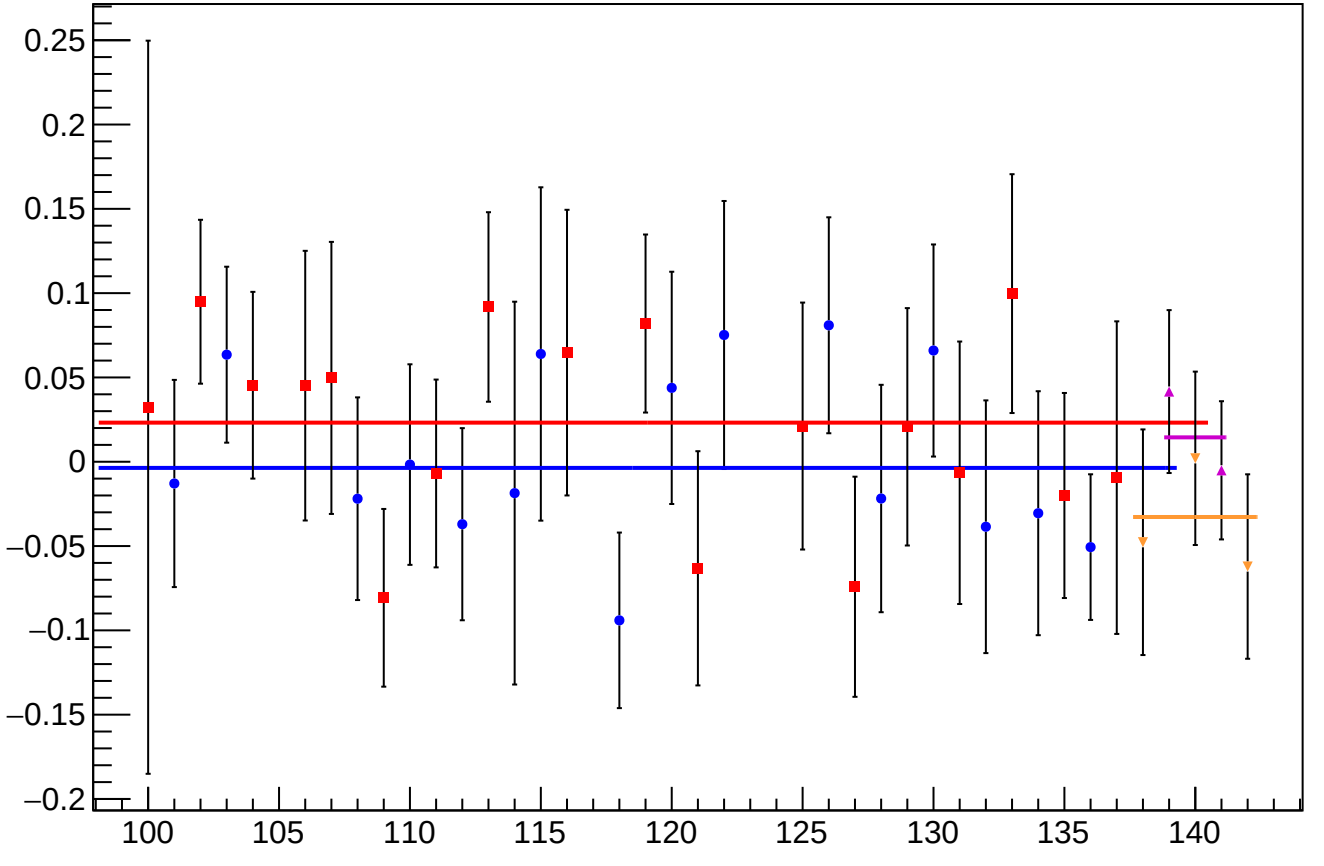
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 24.411+/-0.006 χ^2/NDF:412928.6/20

All: 23.863+/-0.004 χ^2/NDF: 748943.8/38

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: -0.033+/-0.033 χ^2/NDF:0.8/2

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

Left In: 0.014+/-0.031 χ^2/NDF:0.5/1

Left: -0.008+/-0.023 χ^2/NDF: 2.4/4

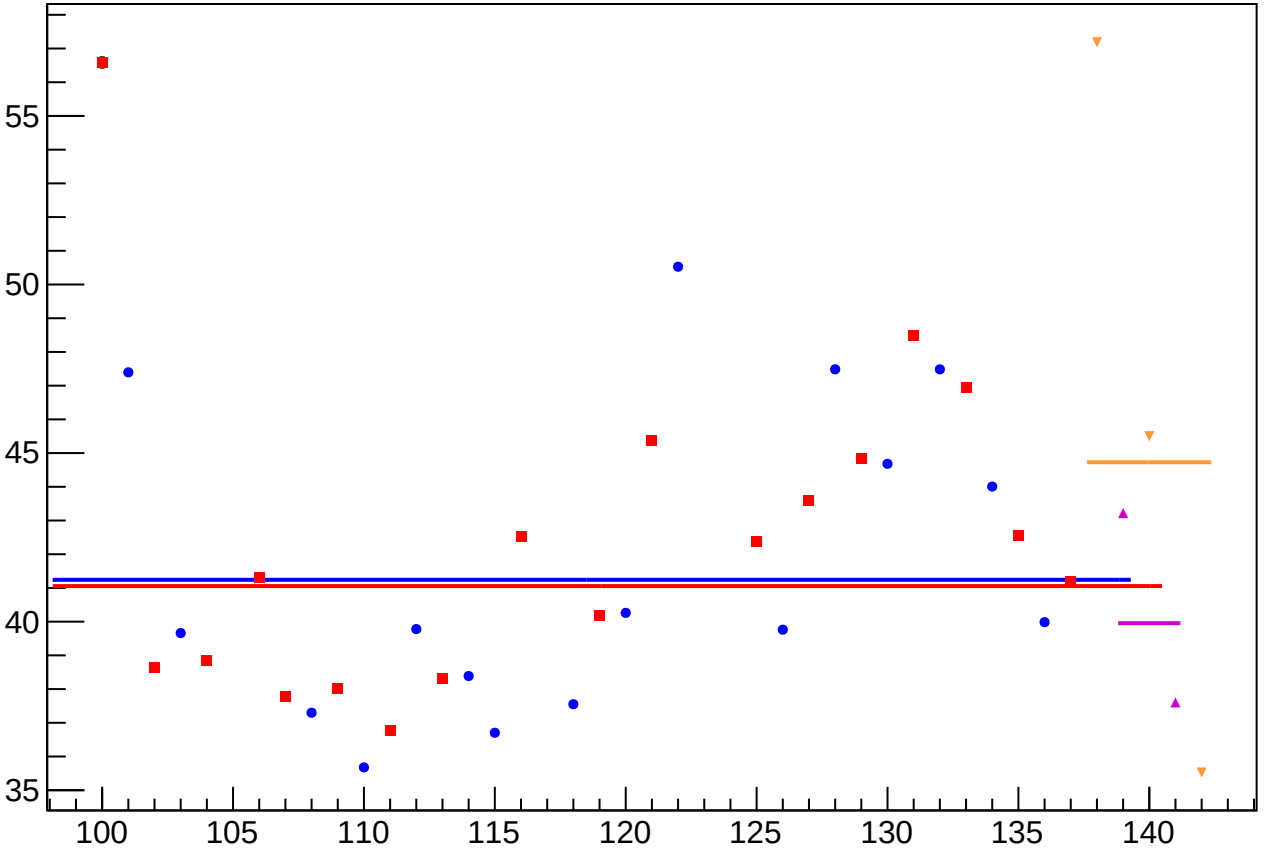
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.000+/-0.014 χ^2/NDF:12.5/17

Out: 0.013+/-0.014 χ^2/NDF:18.6/20

All: 0.006+/-0.010 χ^2/NDF: 31.5/38

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: 44.728+/-0.023 χ^2/NDF:126382.2/2

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

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

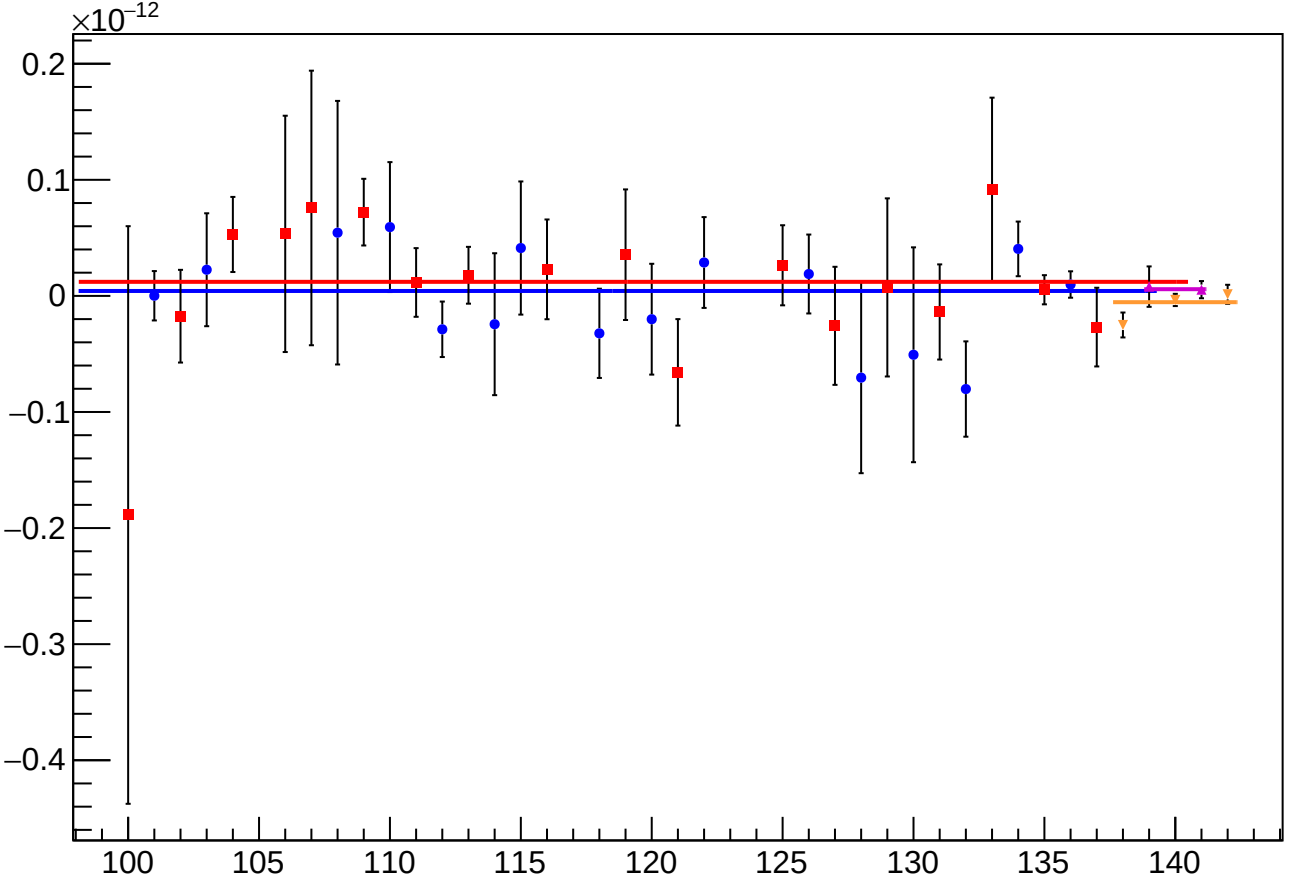
Left: 42.234+/-0.016 χ^2/NDF: 164374.3/4

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

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

Out: 41.729+/-0.010 χ^2/NDF:243549.6/20

All: 41.357+/-0.007 χ^2/NDF: 400066.1/38



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/2

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

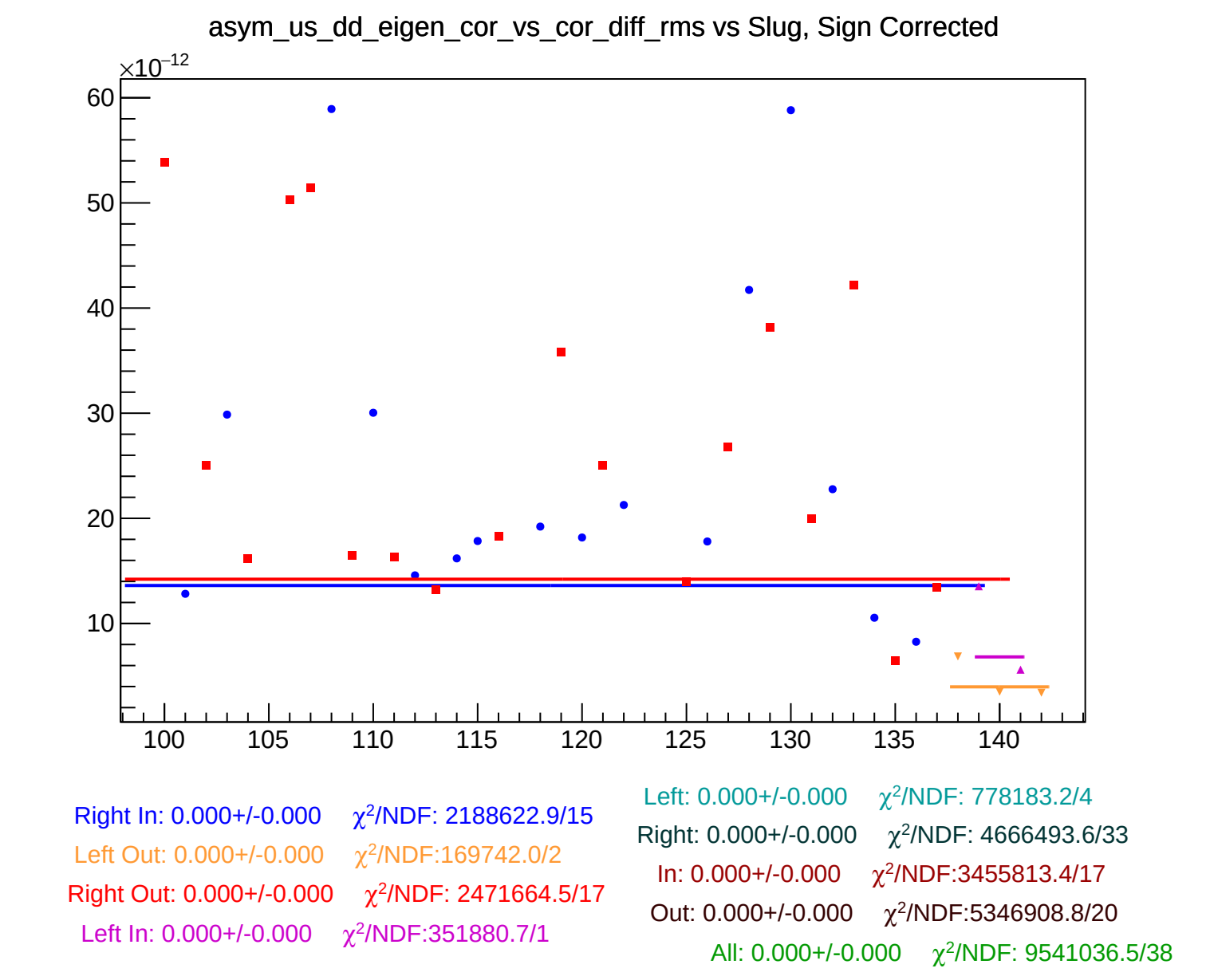
Left: -0.000+/-0.000 χ^2/NDF: 6.2/4

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

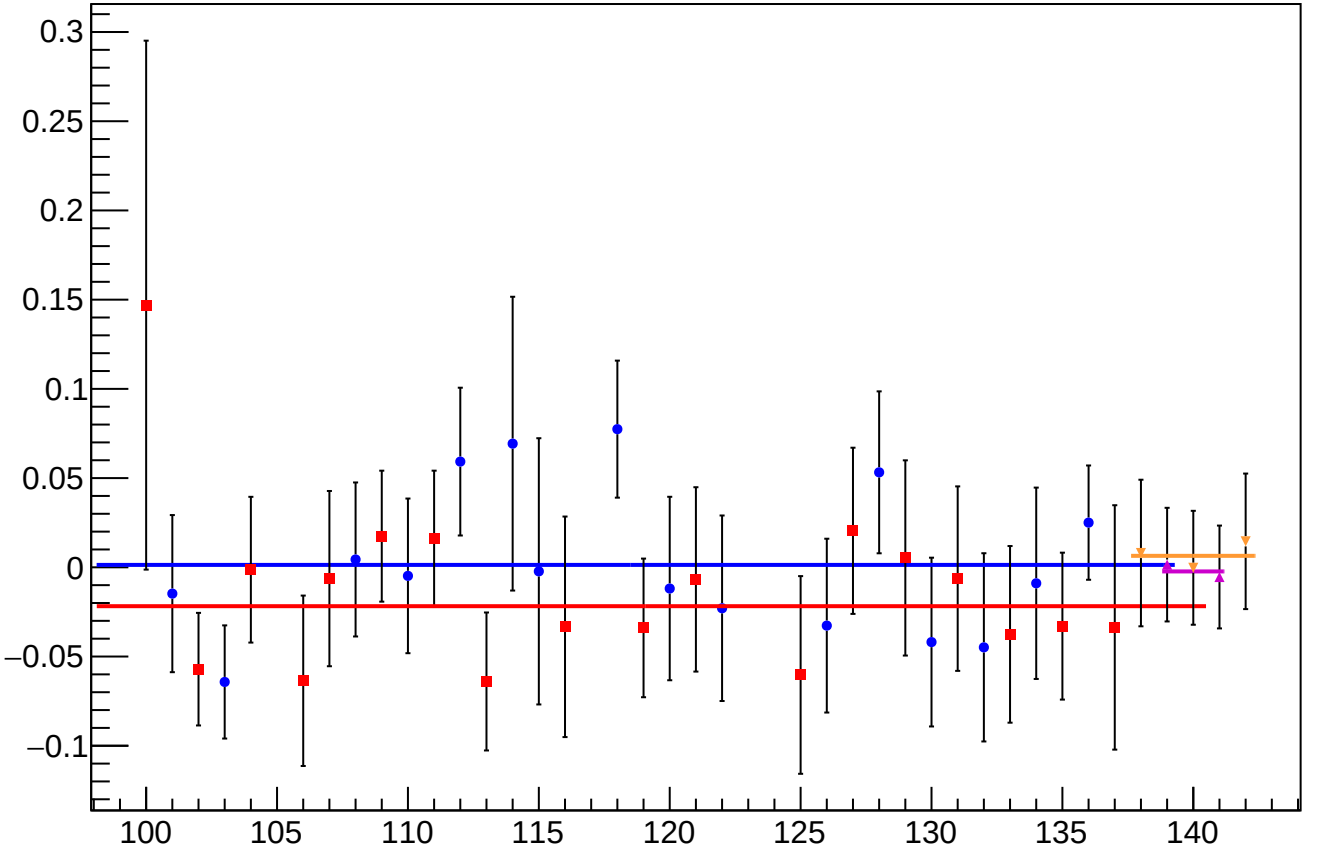
In: 0.000+/-0.000 χ^2/NDF:13.7/17

Out: -0.000+/-0.000 χ^2/NDF:22.7/20

All: 0.000+/-0.000 χ^2/NDF: 37.5/38


asym_us_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: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:169742.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:351880.7/1
Left: 0.000+/-0.000 χ²/NDF: 778183.2/4
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3455813.4/17
Out: 0.000+/-0.000 χ²/NDF:5346908.8/20
All: 0.000+/-0.000 χ²/NDF: 9541036.5/38

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: 0.006+/-0.021 χ^2/NDF:0.1/2

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

Left In: -0.002+/-0.021 χ^2/NDF:0.0/1

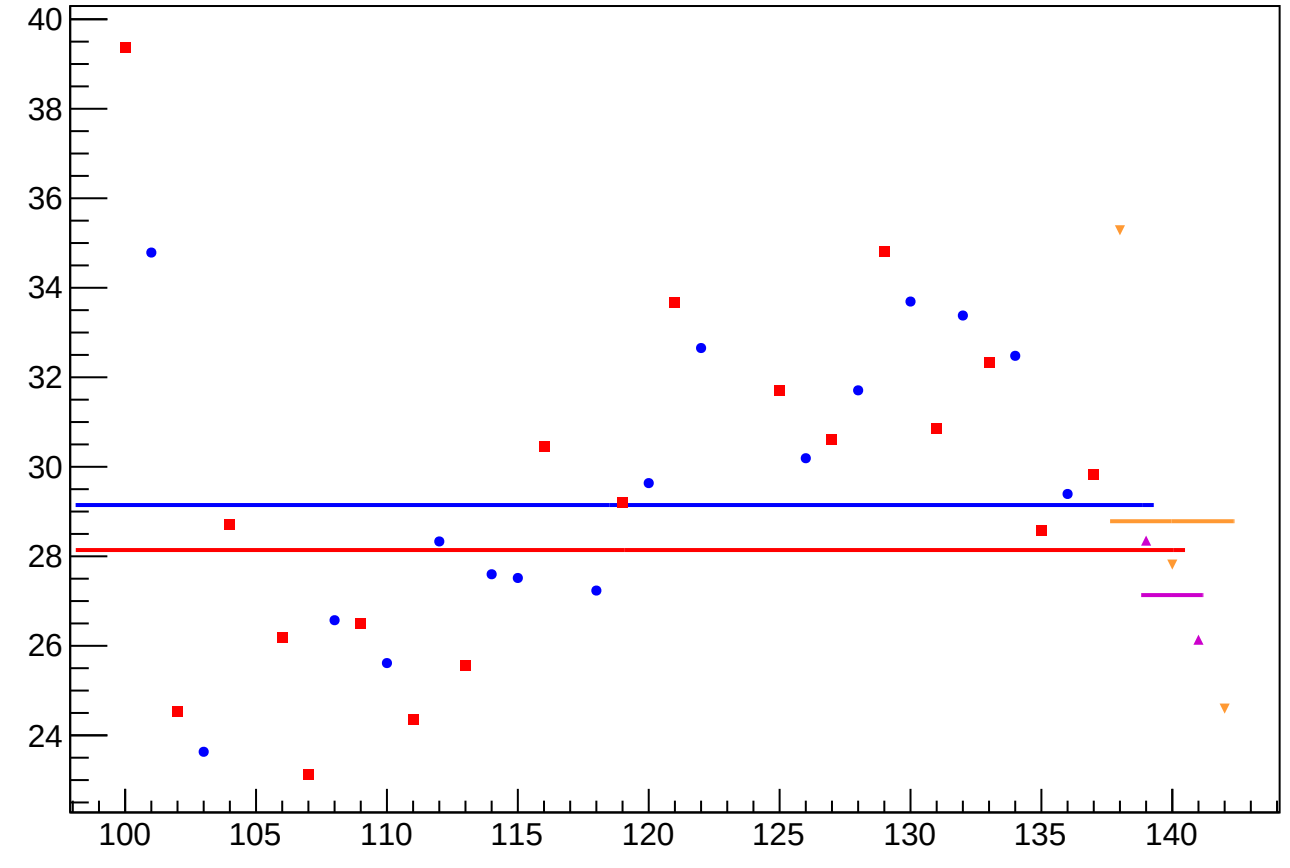
Left: 0.002+/-0.015 χ^2/NDF: 0.2/4

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

In: 0.001+/-0.010 χ^2/NDF:15.3/17

Out: -0.016+/-0.010 χ^2/NDF:10.6/20

All: -0.008+/-0.007 χ^2/NDF: 27.3/38



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

Left Out: 28.784+/-0.015 χ^2/NDF:76252.4/2

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: 27.973+/-0.011 χ^2/NDF: 87635.0/4

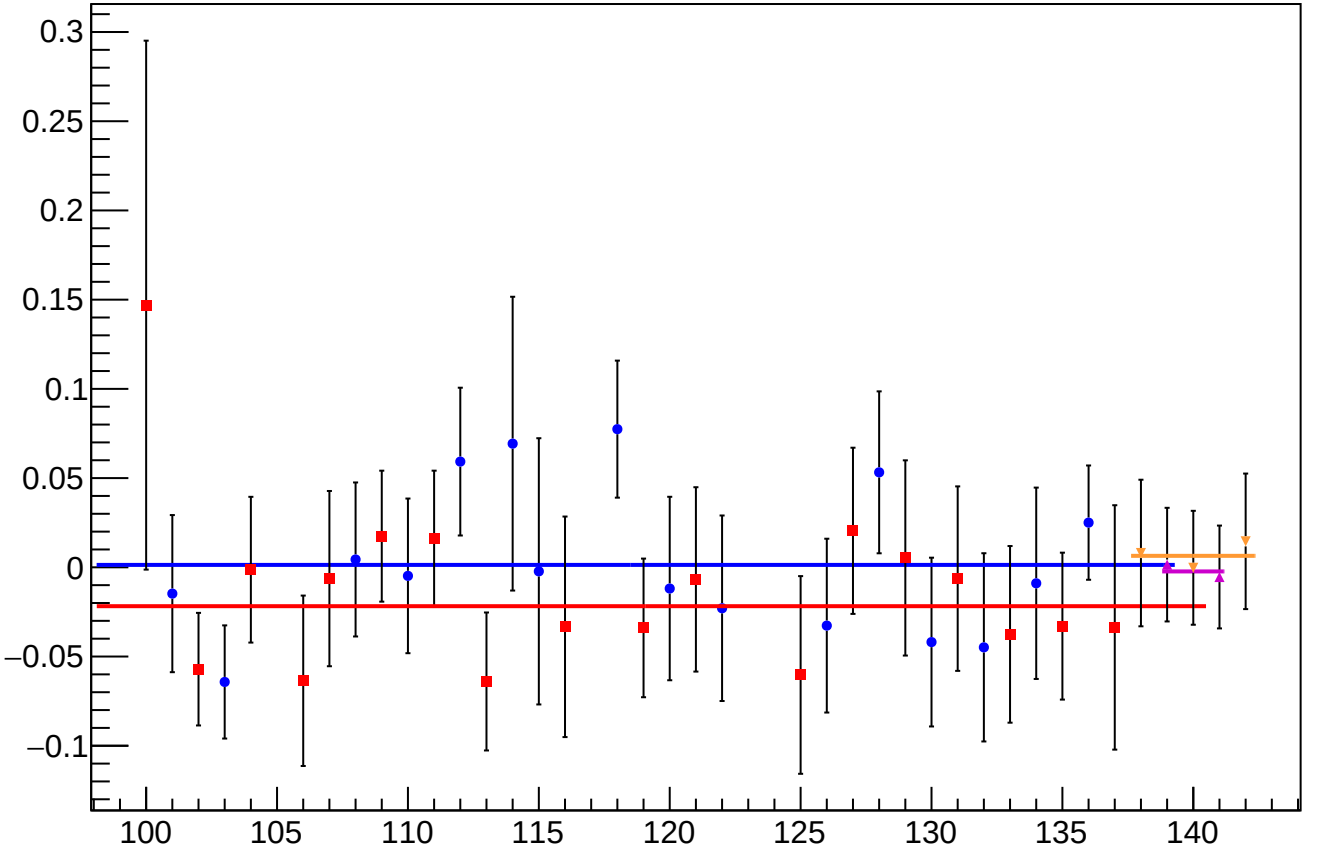
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 28.274+/-0.007 χ^2/NDF:264843.7/20

All: 28.485+/-0.005 χ^2/NDF: 462956.1/38

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: 0.006+/-0.021 χ^2/NDF:0.1/2

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: 0.002+/-0.015 χ^2/NDF: 0.2/4

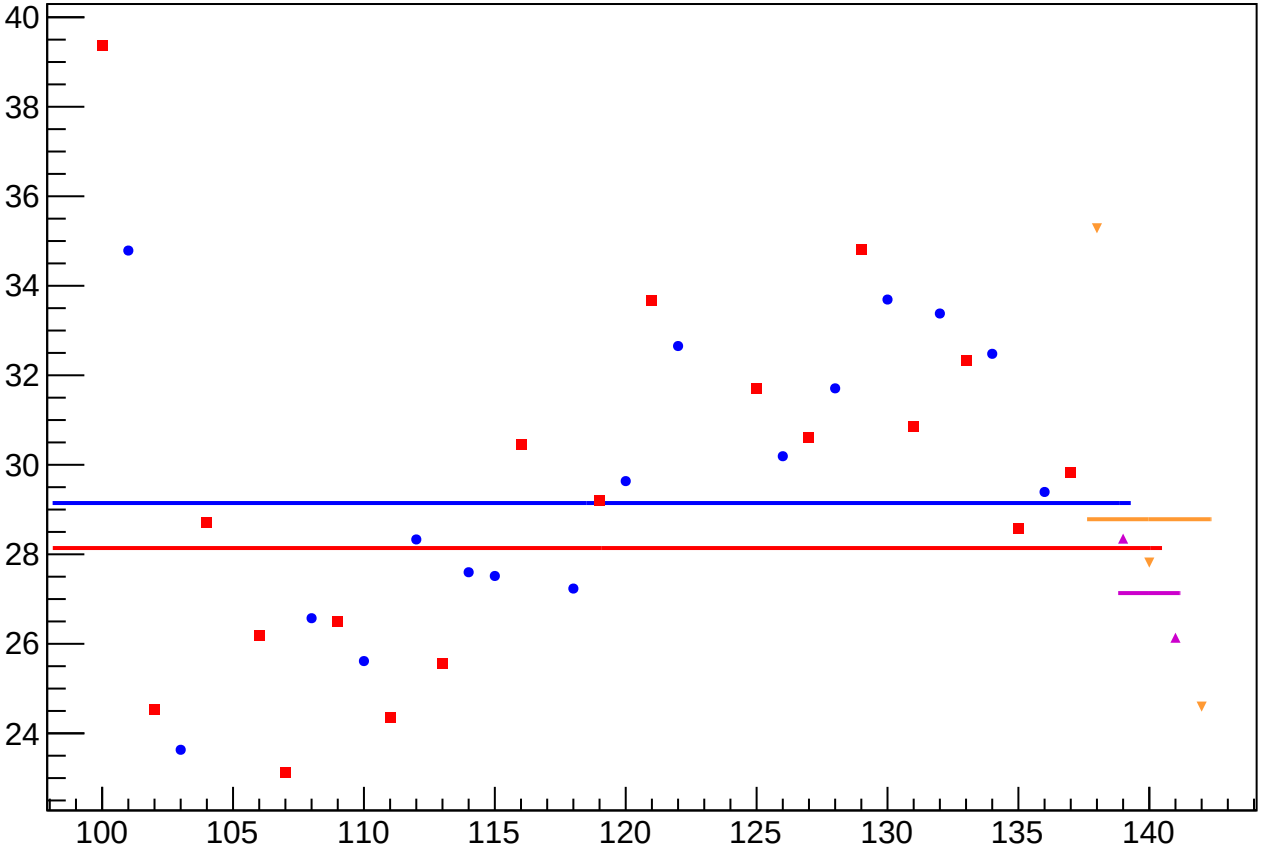
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.010 χ^2/NDF:15.3/17

Out: -0.016+/-0.010 χ^2/NDF:10.6/20

All: -0.008+/-0.007 χ^2/NDF: 27.3/38

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: 28.784+/-0.015 χ^2/NDF:76252.4/2

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: 27.973+/-0.011 χ^2/NDF: 87635.0/4

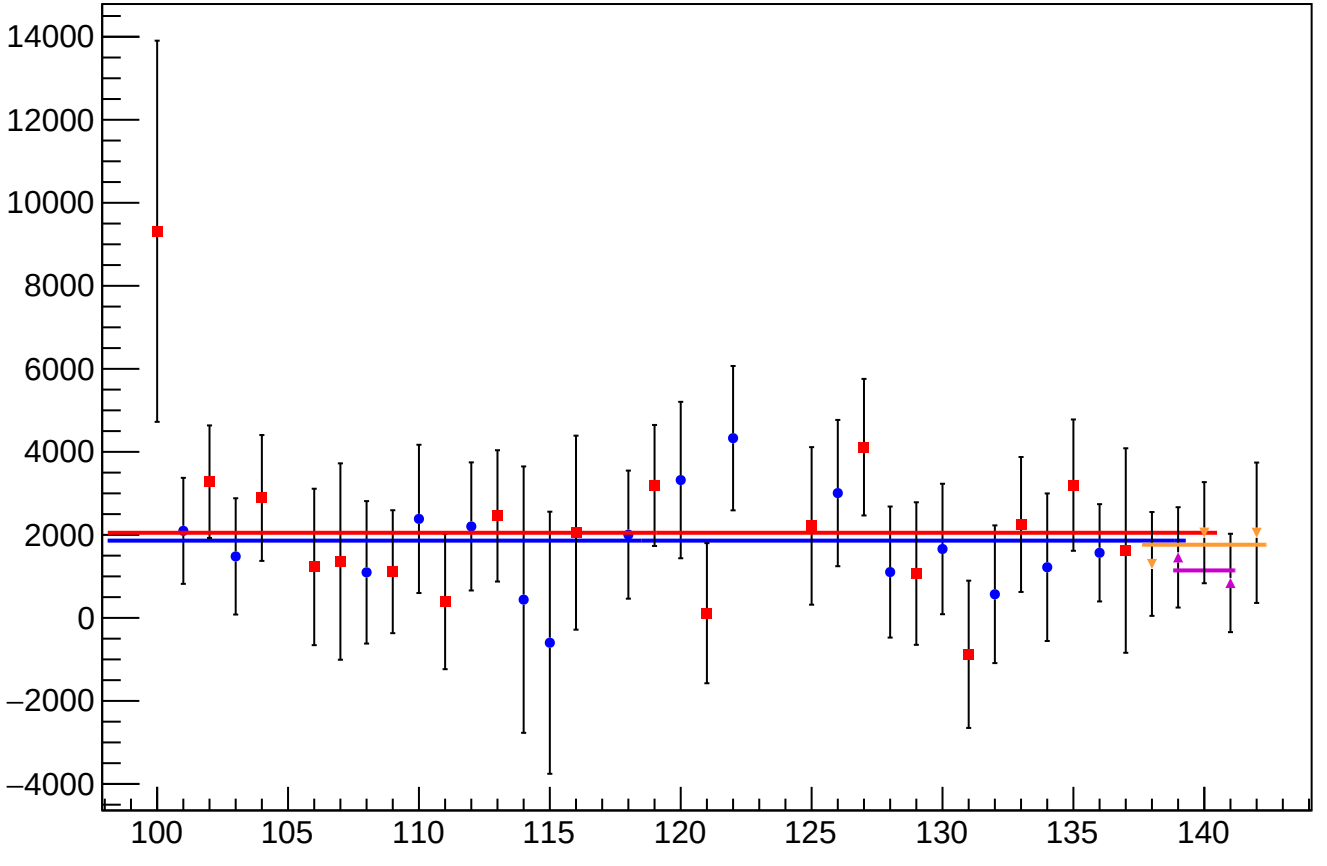
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 28.274+/-0.007 χ^2/NDF:264843.7/20

All: 28.485+/-0.005 χ^2/NDF: 462956.1/38

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

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

Left: 1480.384+/-571.704 χ^2/NDF: 0.6/4

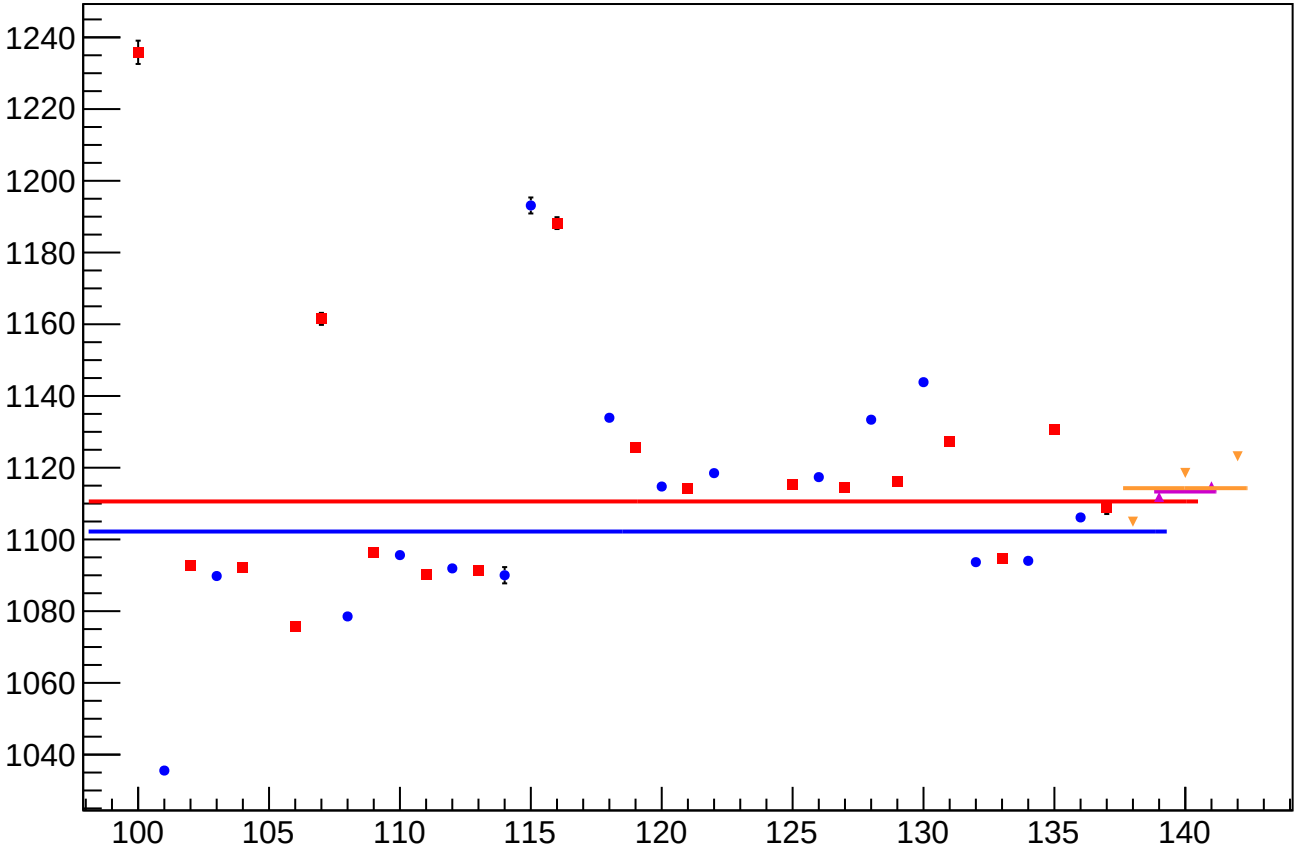
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1725.304+/-368.622 χ^2/NDF:6.1/17

Out: 1988.166+/-361.939 χ^2/NDF:12.9/20

All: 1859.139+/-258.260 χ^2/NDF: 19.2/38

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

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

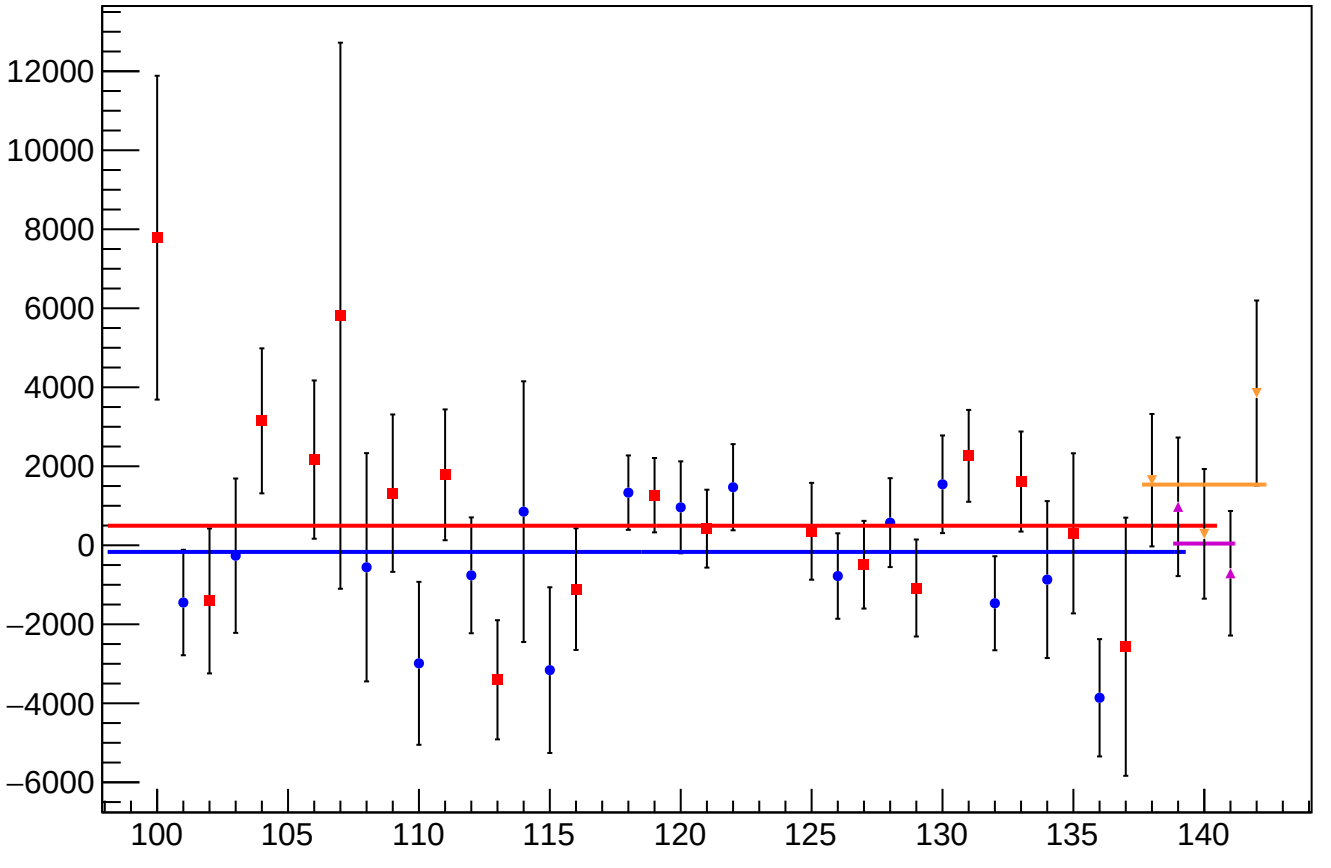
Left: 1113.867+/-0.404 χ^2/NDF: 198.6/4

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

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

Out: 1111.398+/-0.256 χ^2/NDF:7922.8/20

All: 1107.925+/-0.183 χ^2/NDF: 19934.7/38



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

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

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

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

Left: 873.412+/-781.723 χ^2/NDF: 3.0/4

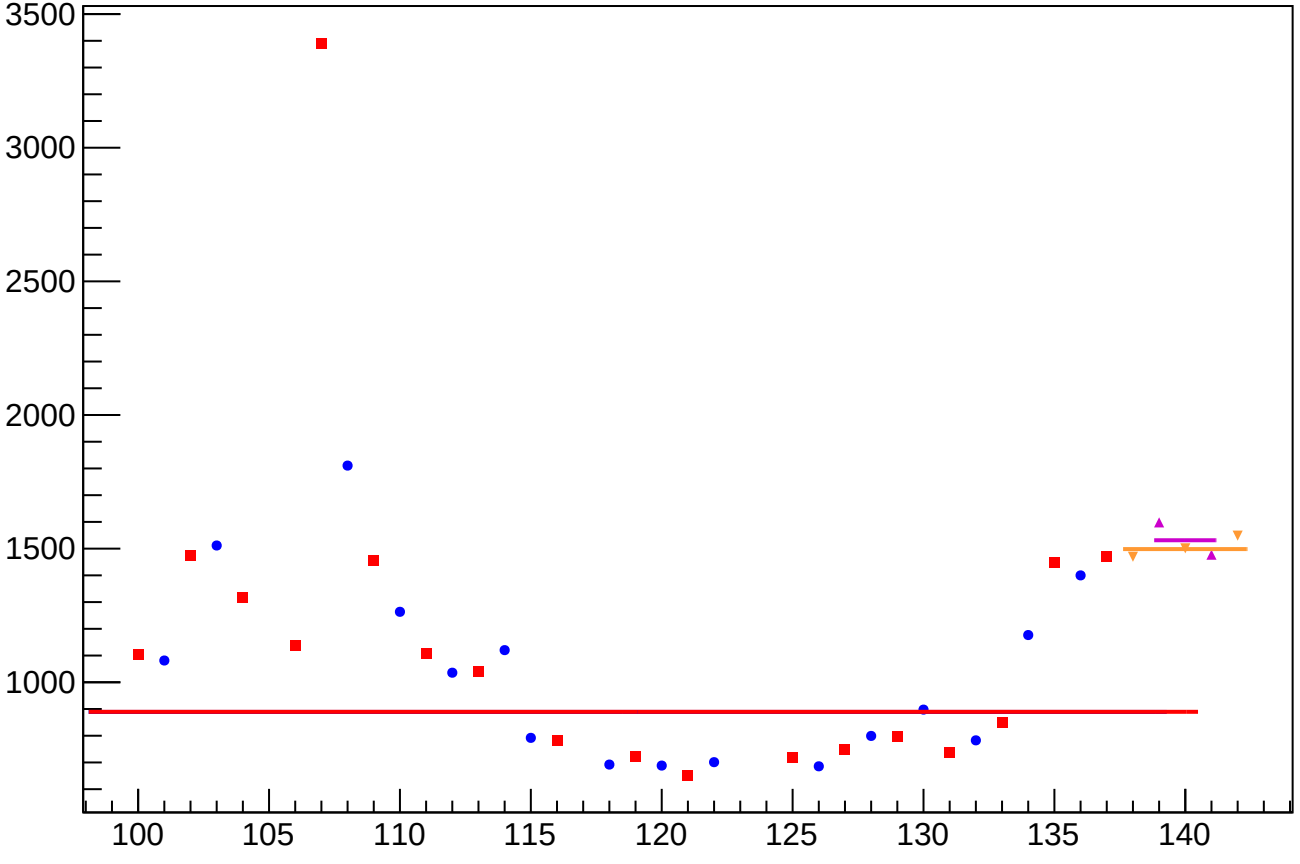
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

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

Out: 596.928+/-327.766 χ^2/NDF:25.7/20

All: 227.050+/-233.028 χ^2/NDF: 49.9/38

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 1513.007+/-0.553 χ^2/NDF: 7649.7/4

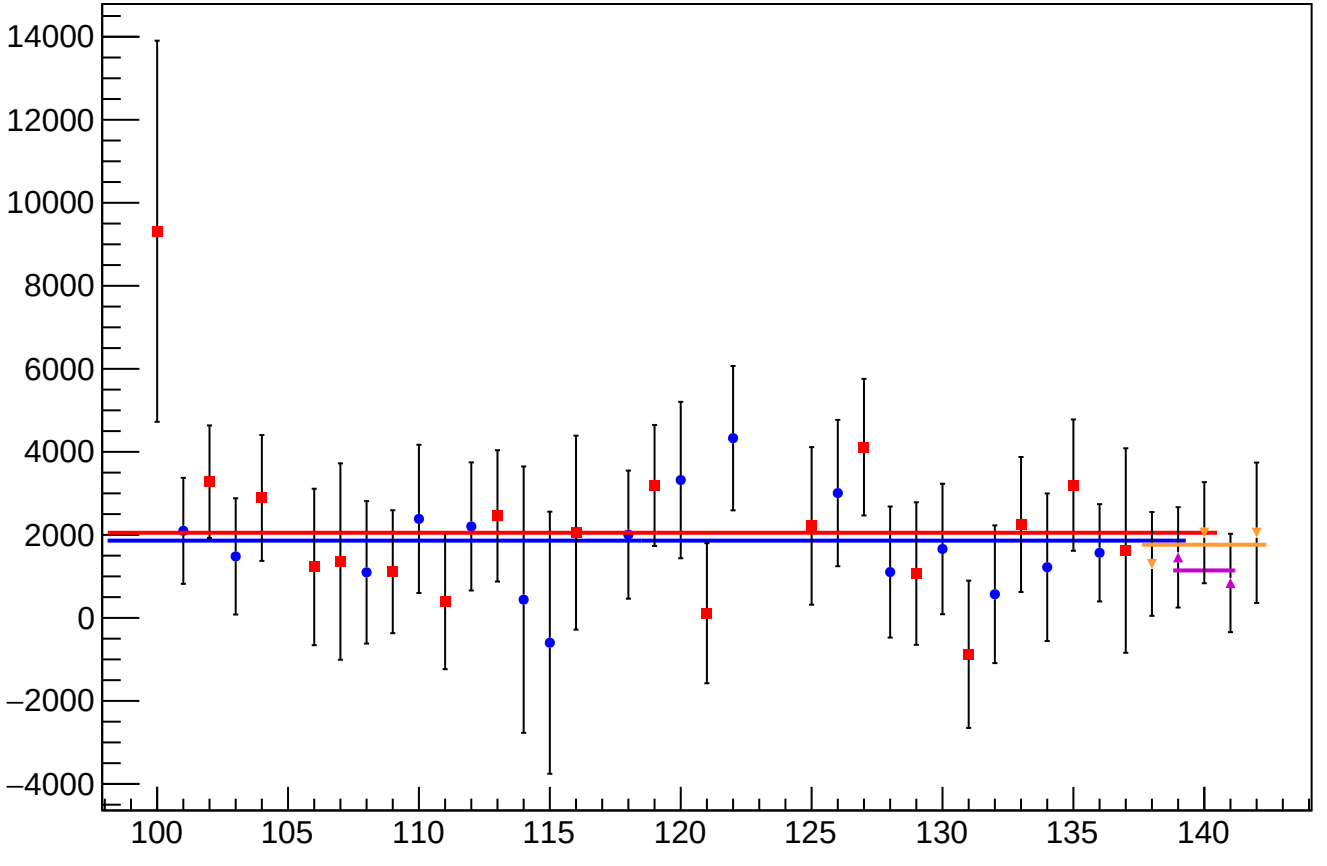
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 948.960+/-0.232 χ^2/NDF:1955613.2/20

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

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

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

Left: 1480.384+/-571.704 χ^2/NDF: 0.6/4

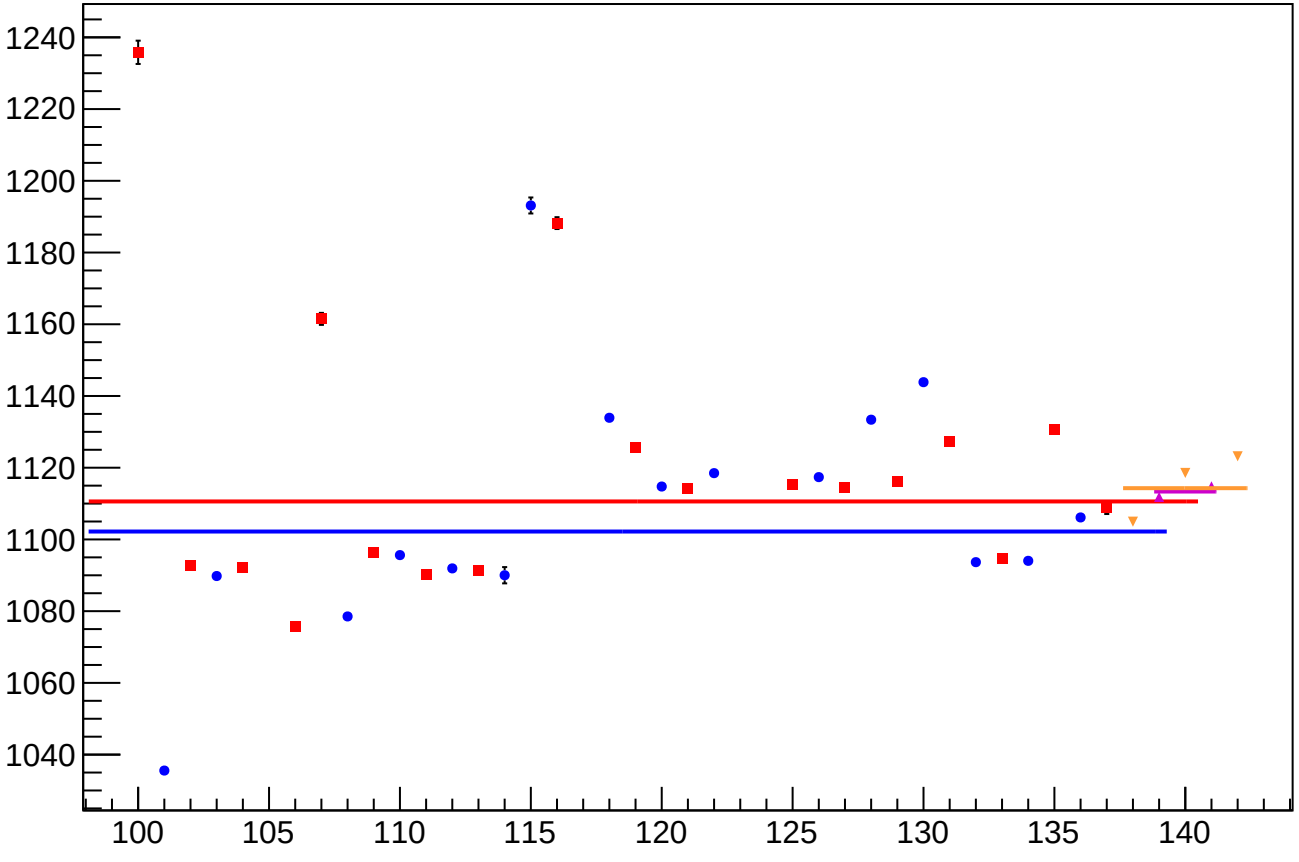
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1725.304+/-368.622 χ^2/NDF:6.1/17

Out: 1988.166+/-361.939 χ^2/NDF:12.9/20

All: 1859.139+/-258.260 χ^2/NDF: 19.2/38

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

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

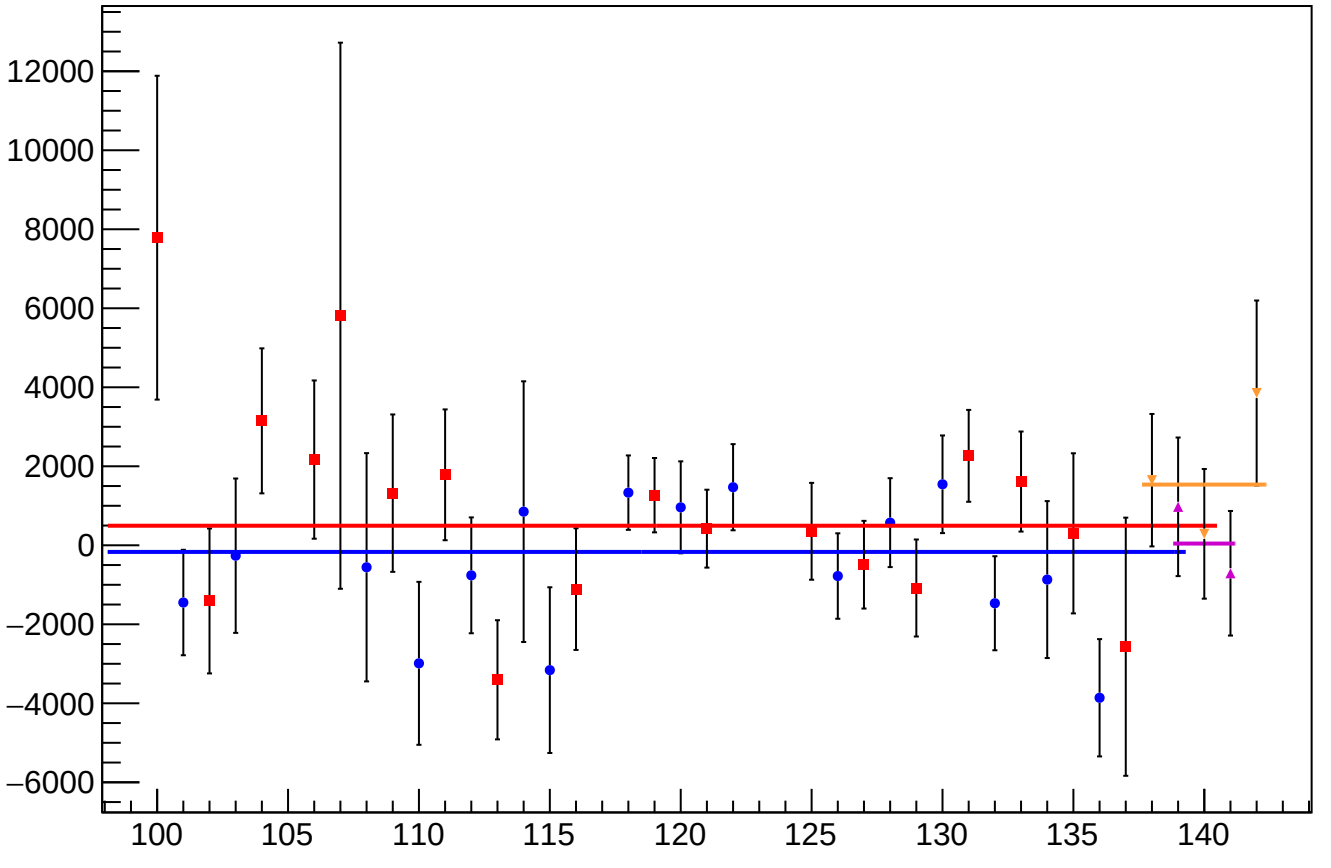
Left: 1113.867+/-0.404 χ^2/NDF: 198.6/4

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

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

Out: 1111.398+/-0.256 χ^2/NDF:7922.8/20

All: 1107.925+/-0.183 χ^2/NDF: 19934.7/38



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

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

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

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

Left: 873.412+/-781.723 χ^2/NDF: 3.0/4

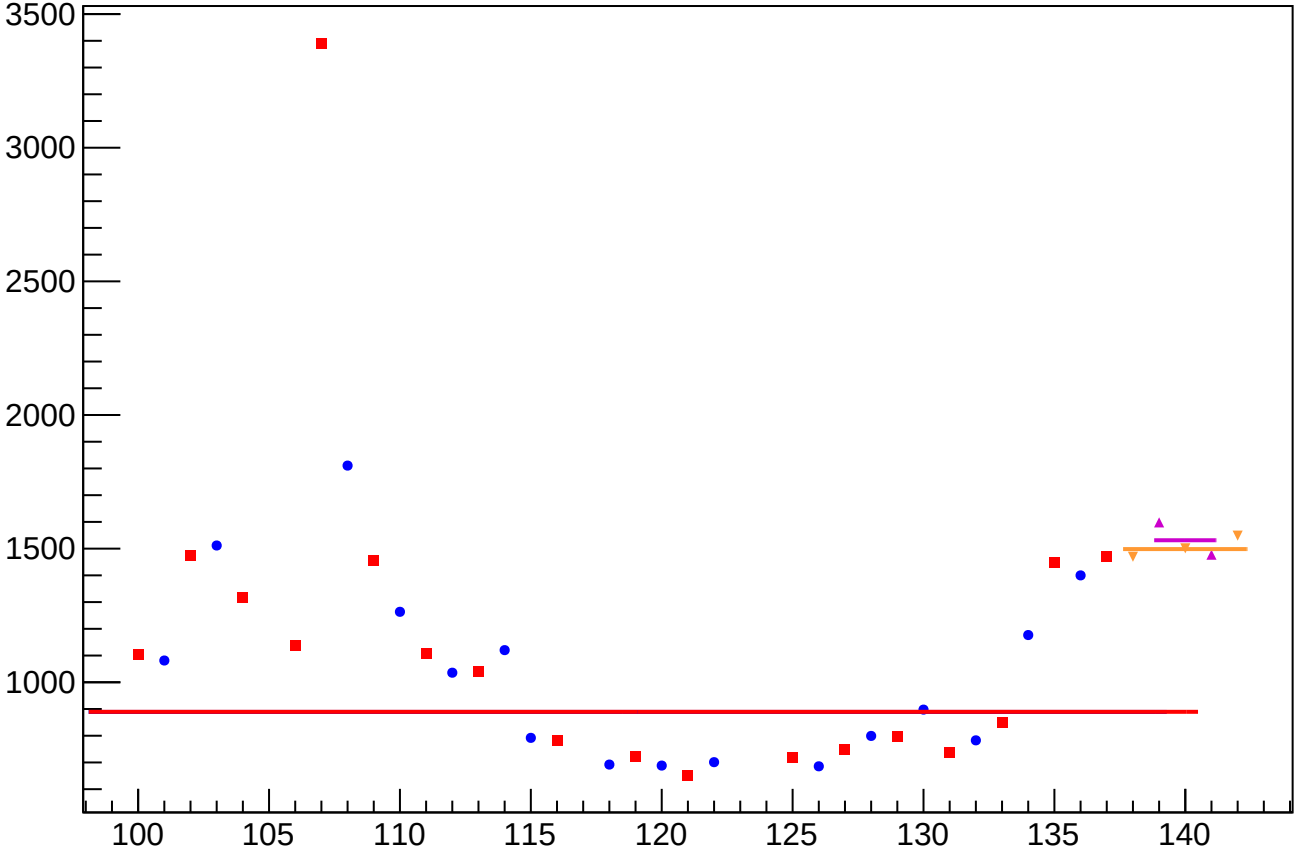
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

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

Out: 596.928+/-327.766 χ^2/NDF:25.7/20

All: 227.050+/-233.028 χ^2/NDF: 49.9/38

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 1513.007+/-0.553 χ^2/NDF: 7649.7/4

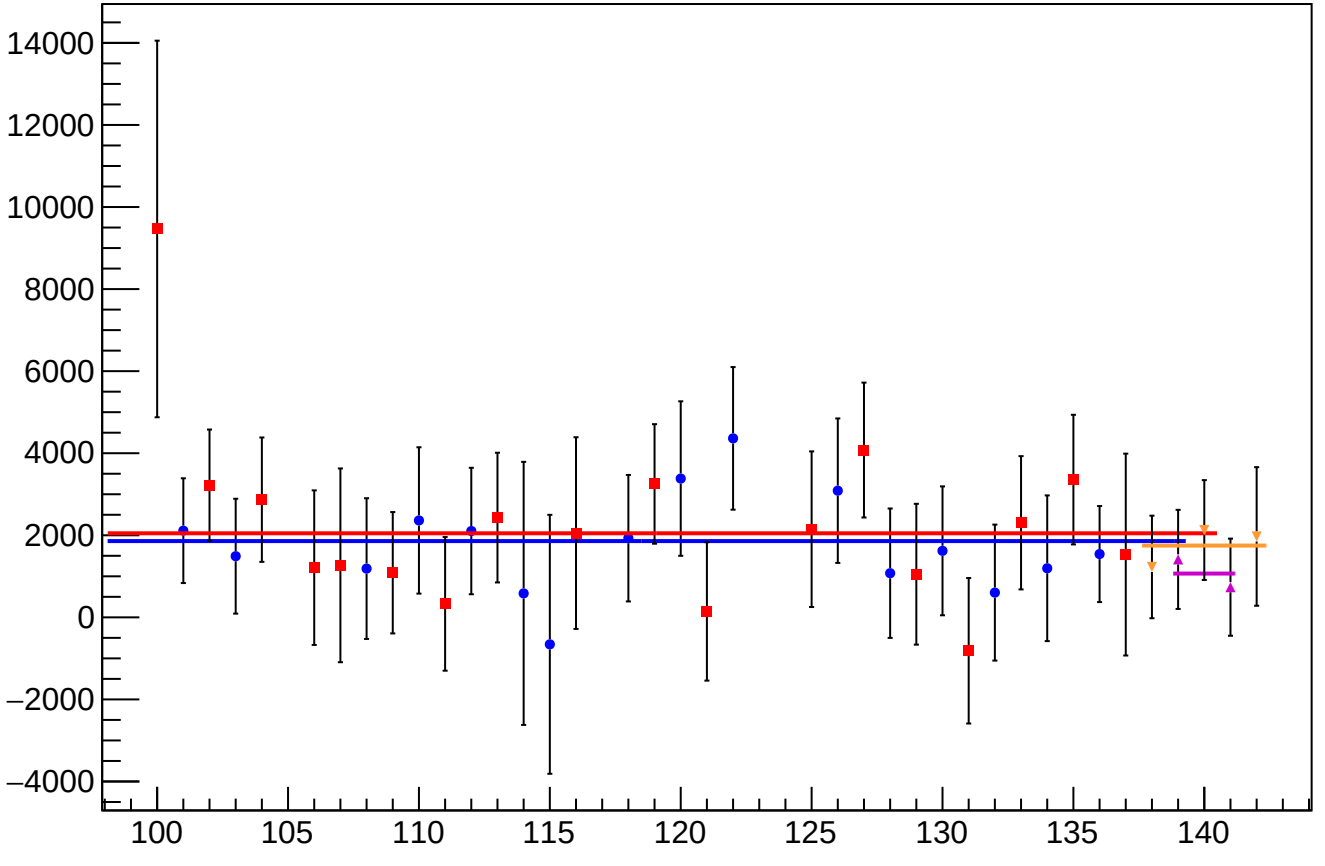
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 948.960+/-0.232 χ^2/NDF:1955613.2/20

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

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1749.309+/-774.576 χ^2/NDF:0.3/2

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: 1437.914+/-571.051 χ^2/NDF: 0.8/4

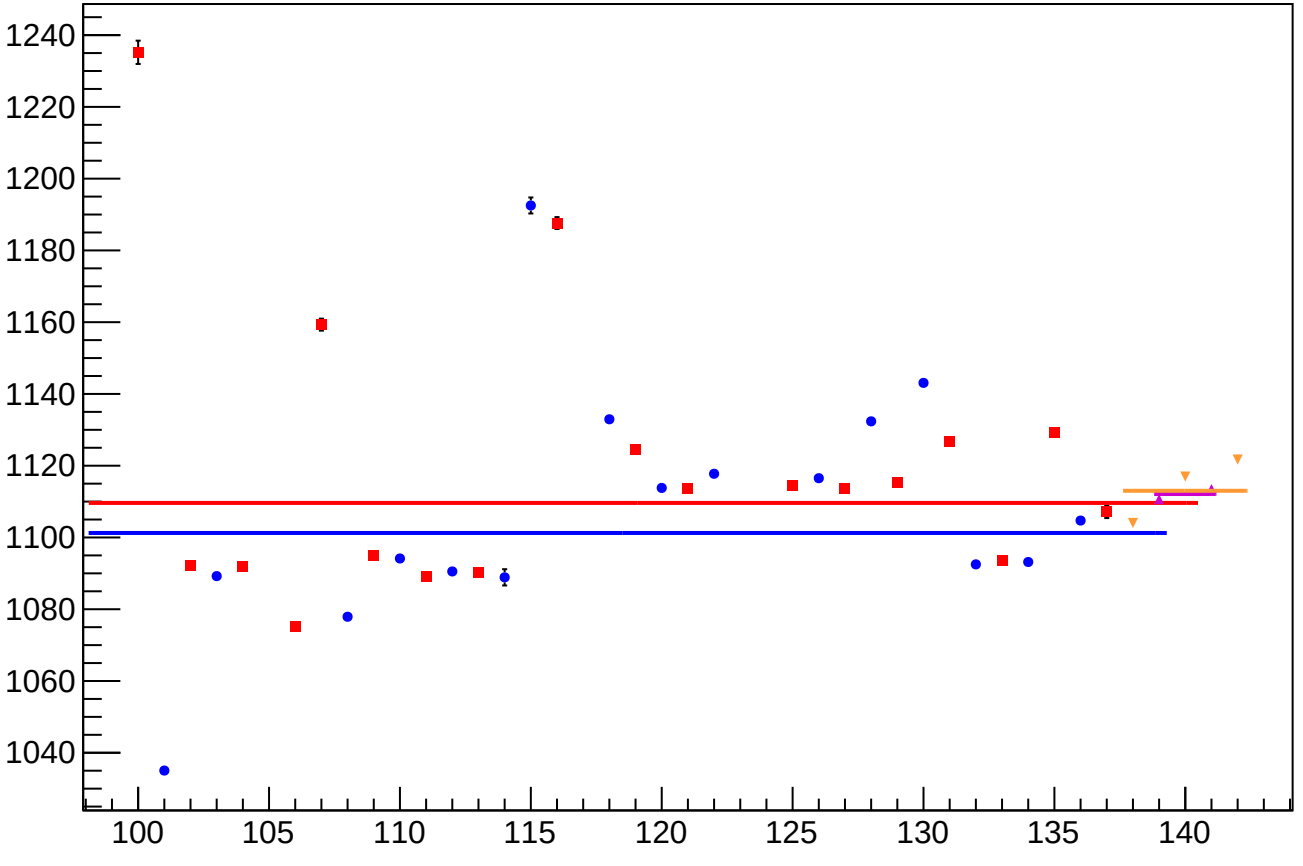
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1708.399+/-368.285 χ^2/NDF:6.3/17

Out: 1983.431+/-361.602 χ^2/NDF:13.1/20

All: 1848.433+/-258.022 χ^2/NDF: 19.7/38

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

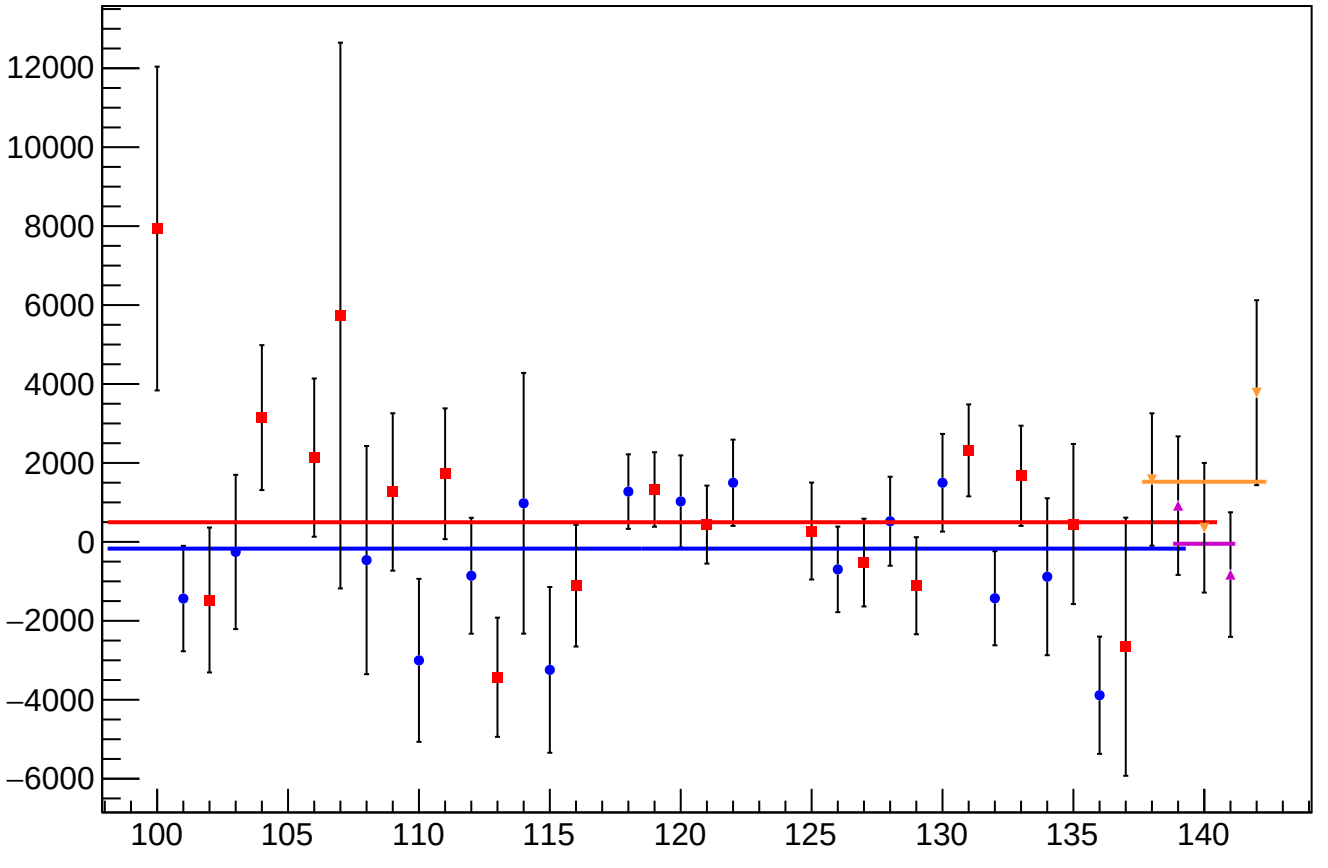
Left: 1112.599+/-0.404 χ^2/NDF: 184.2/4

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

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

Out: 1110.365+/-0.256 χ^2/NDF:7880.2/20

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



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

Left Out: 1523.187+/-1049.319 χ^2/NDF:1.4/2

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

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

Left: 825.264+/-782.211 χ^2/NDF: 3.0/4

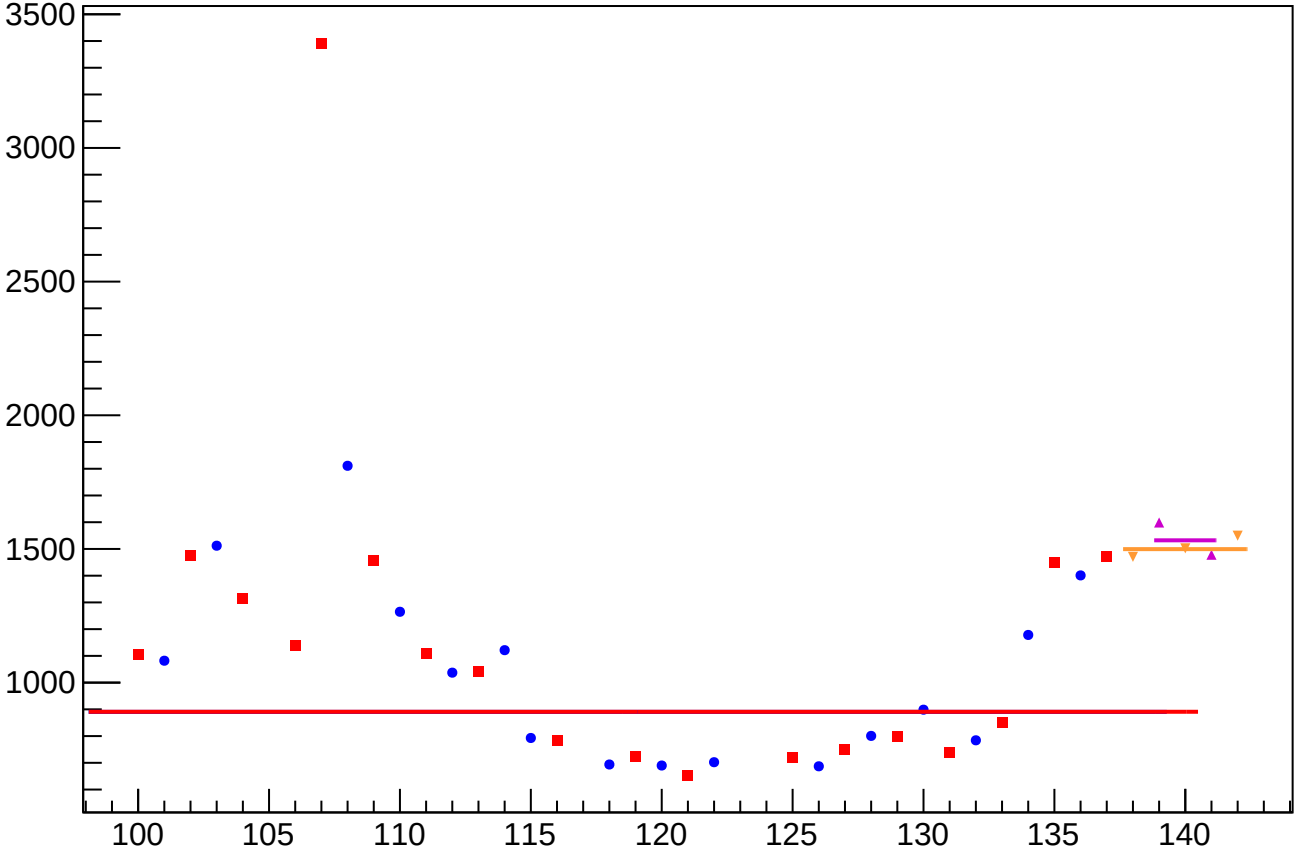
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -161.068+/-331.858 χ^2/NDF:21.5/17

Out: 598.268+/-328.225 χ^2/NDF:26.2/20

All: 222.779+/-233.364 χ^2/NDF: 50.3/38

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

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

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

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

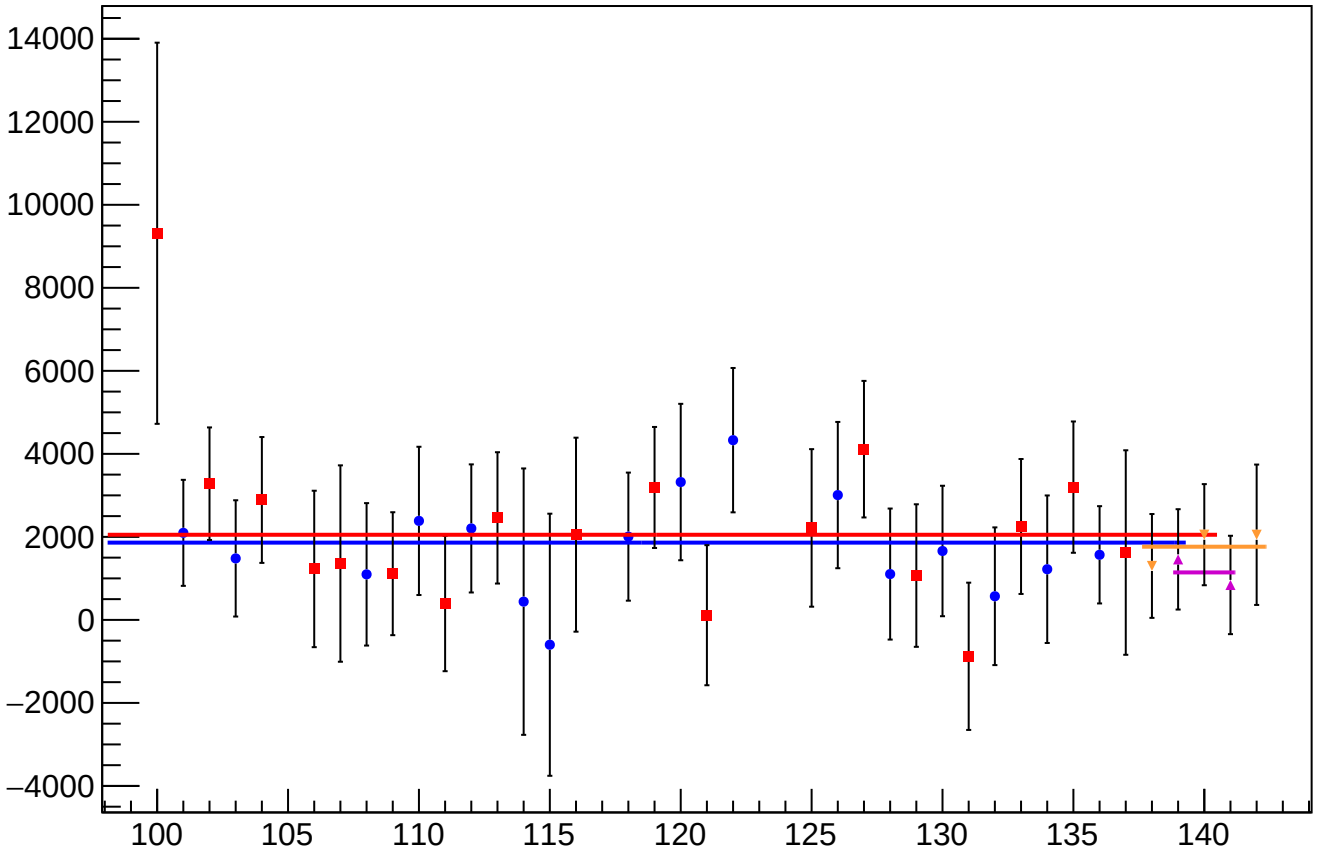
Left: 1513.968+/-0.553 χ^2/NDF: 7619.4/4

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

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

Out: 950.464+/-0.232 χ^2/NDF:1949849.4/20

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



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

Left Out: 1763.126+/-775.471 χ^2/NDF:0.2/2

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

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

Left: 1480.384+/-571.704 χ^2/NDF: 0.6/4

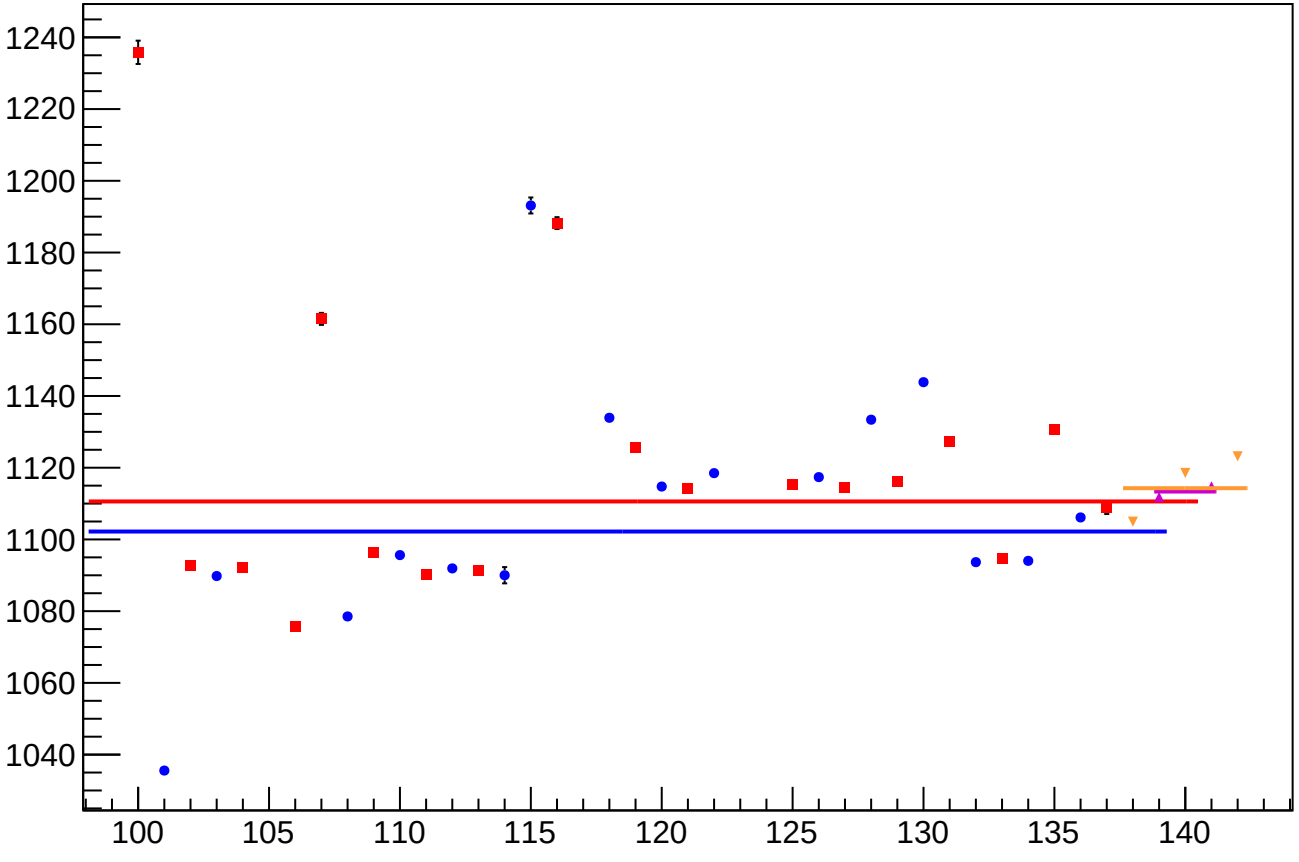
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1725.304+/-368.622 χ^2/NDF:6.1/17

Out: 1988.166+/-361.939 χ^2/NDF:12.9/20

All: 1859.139+/-258.260 χ^2/NDF: 19.2/38

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.294+/-0.548 χ^2/NDF:191.1/2

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

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

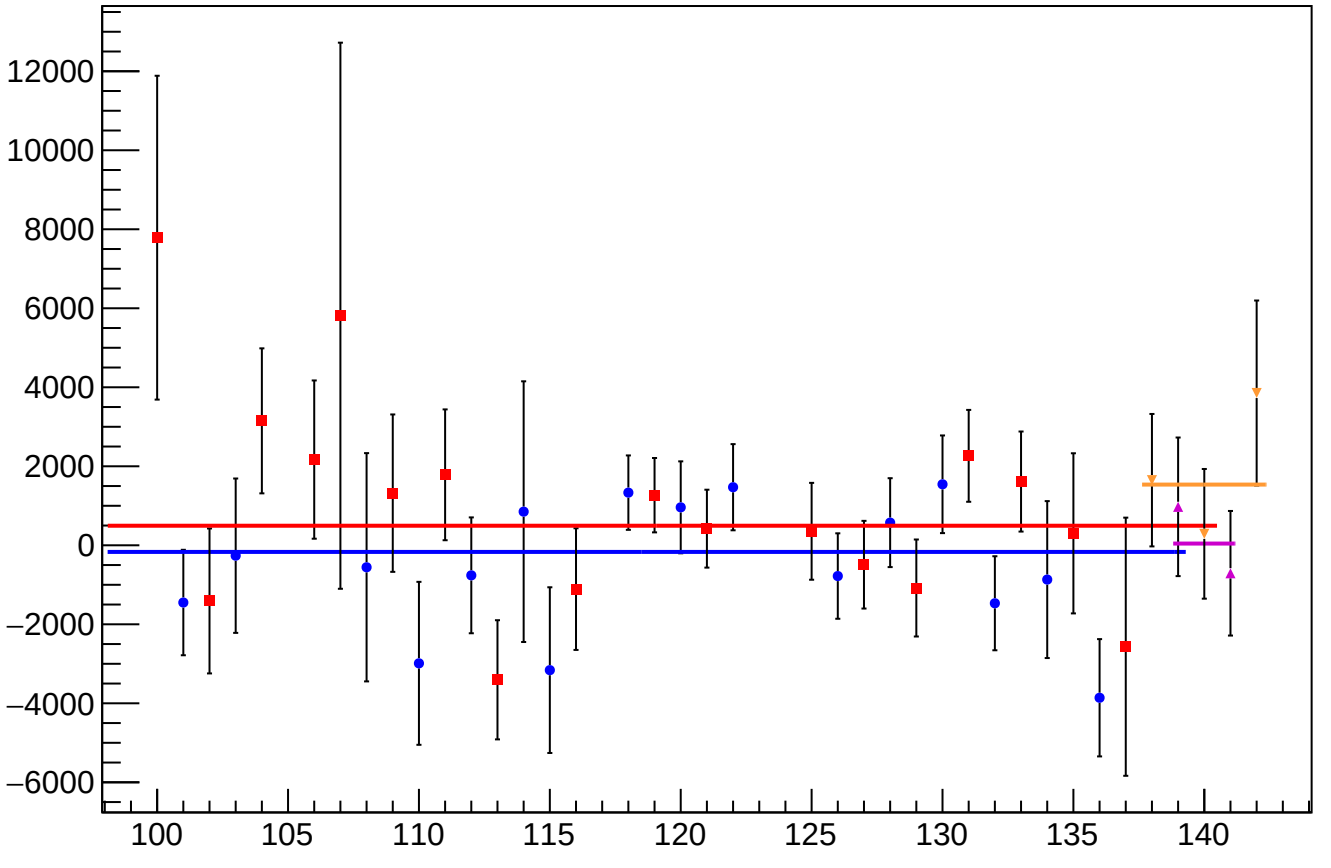
Left: 1113.867+/-0.404 χ^2/NDF: 198.6/4

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

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

Out: 1111.398+/-0.256 χ^2/NDF:7922.8/20

All: 1107.925+/-0.183 χ^2/NDF: 19934.7/38



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

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

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

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

Left: 873.412+/-781.723 χ^2/NDF: 3.0/4

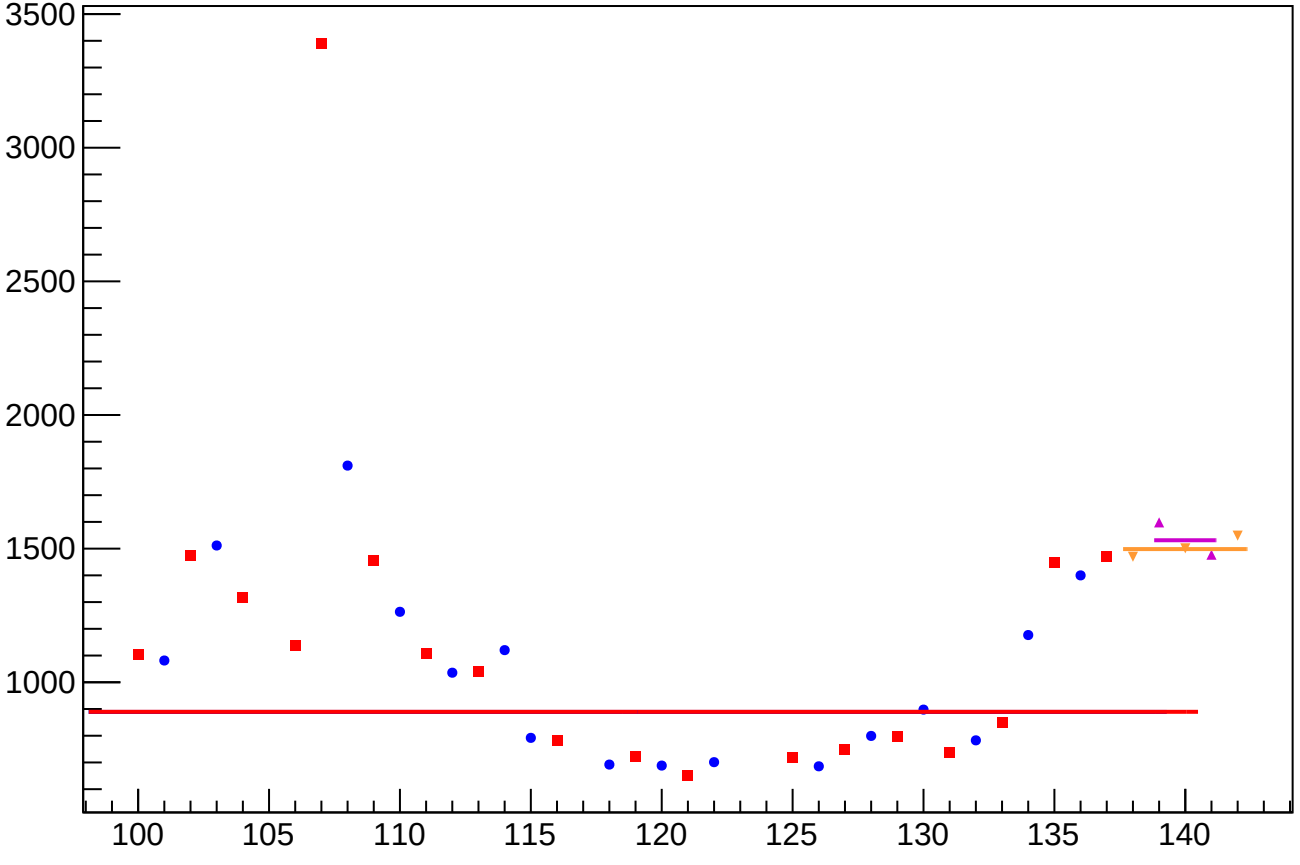
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

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

Out: 596.928+/-327.766 χ^2/NDF:25.7/20

All: 227.050+/-233.028 χ^2/NDF: 49.9/38

asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 1513.007+/-0.553 χ^2/NDF: 7649.7/4

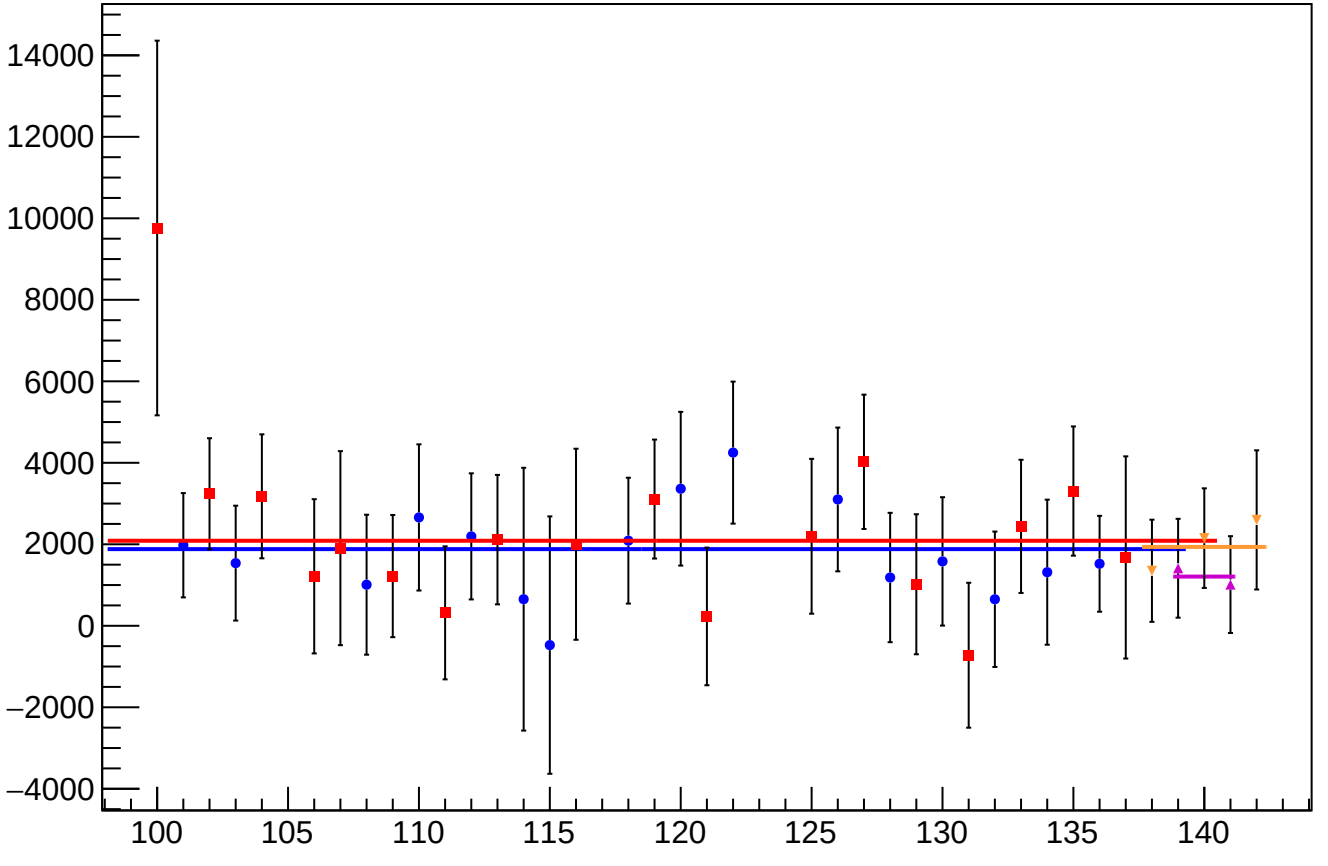
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 948.960+/-0.232 χ^2/NDF:1955613.2/20

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

dit_asym_usl_mean vs Slug, Sign Corrected



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

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

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

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

Left: 1602.522+/-573.866 χ^2/NDF: 0.9/4

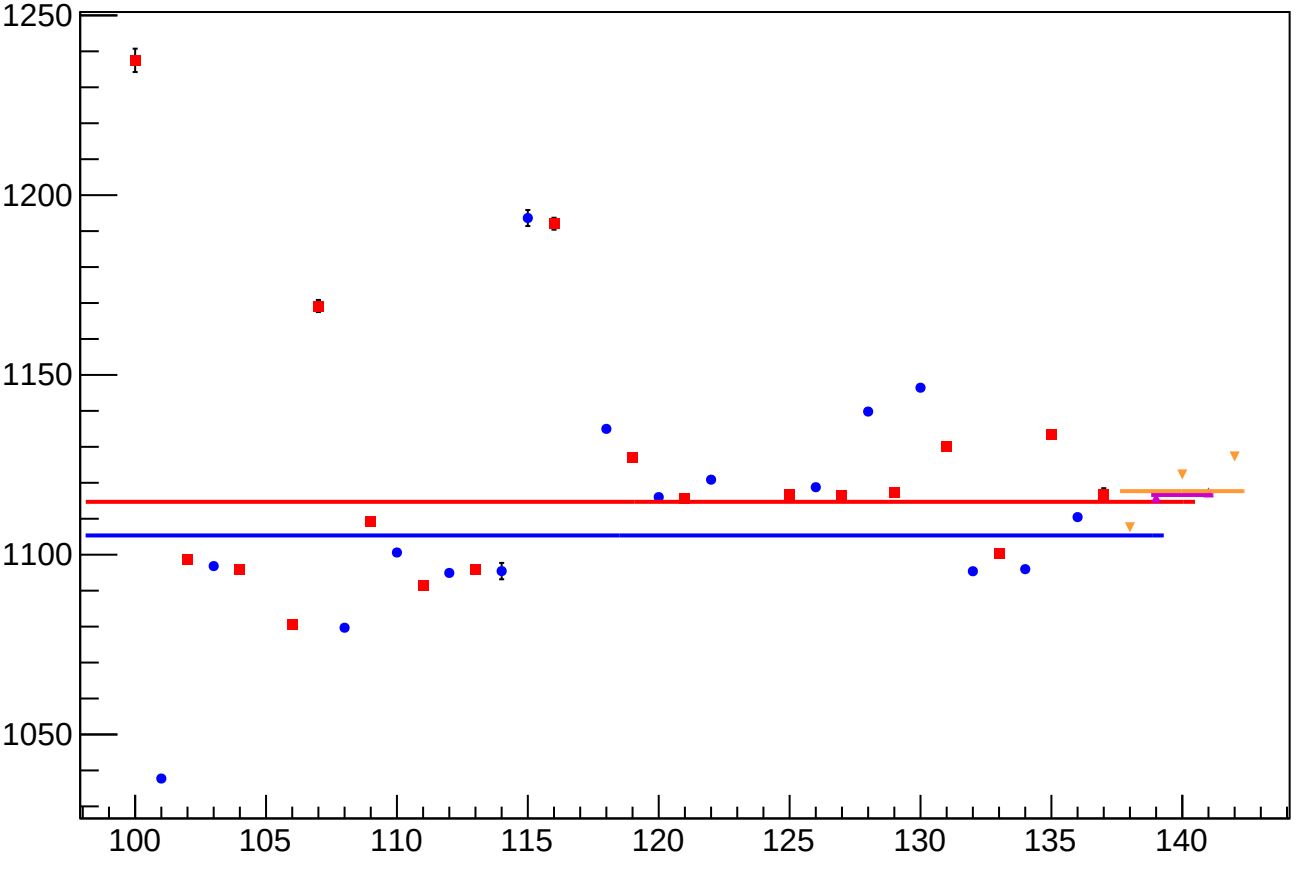
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1753.658+/-369.693 χ^2/NDF:5.8/17

Out: 2053.861+/-363.349 χ^2/NDF:12.8/20

All: 1906.357+/-259.140 χ^2/NDF: 18.9/38

dit_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

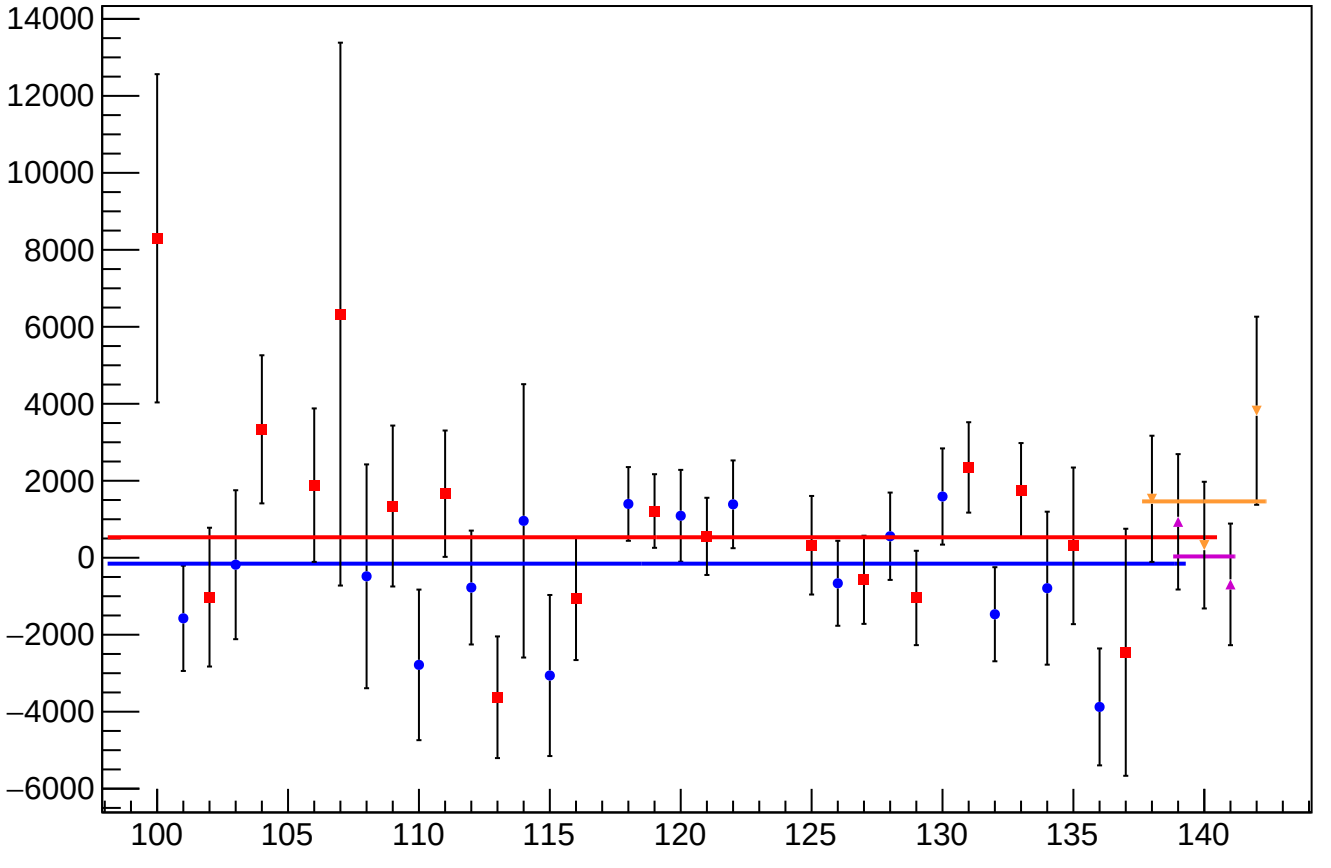
Left: 1117.193+/-0.406 χ^2/NDF: 224.6/4

Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1107.491+/-0.261 χ^2/NDF:11617.4/17

Out: 1115.353+/-0.257 χ^2/NDF:7574.5/20

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



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

Left Out: 1464.056+/-1048.887 χ^2/NDF:1.4/2

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

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

Left: 829.851+/-782.563 χ^2/NDF: 2.7/4

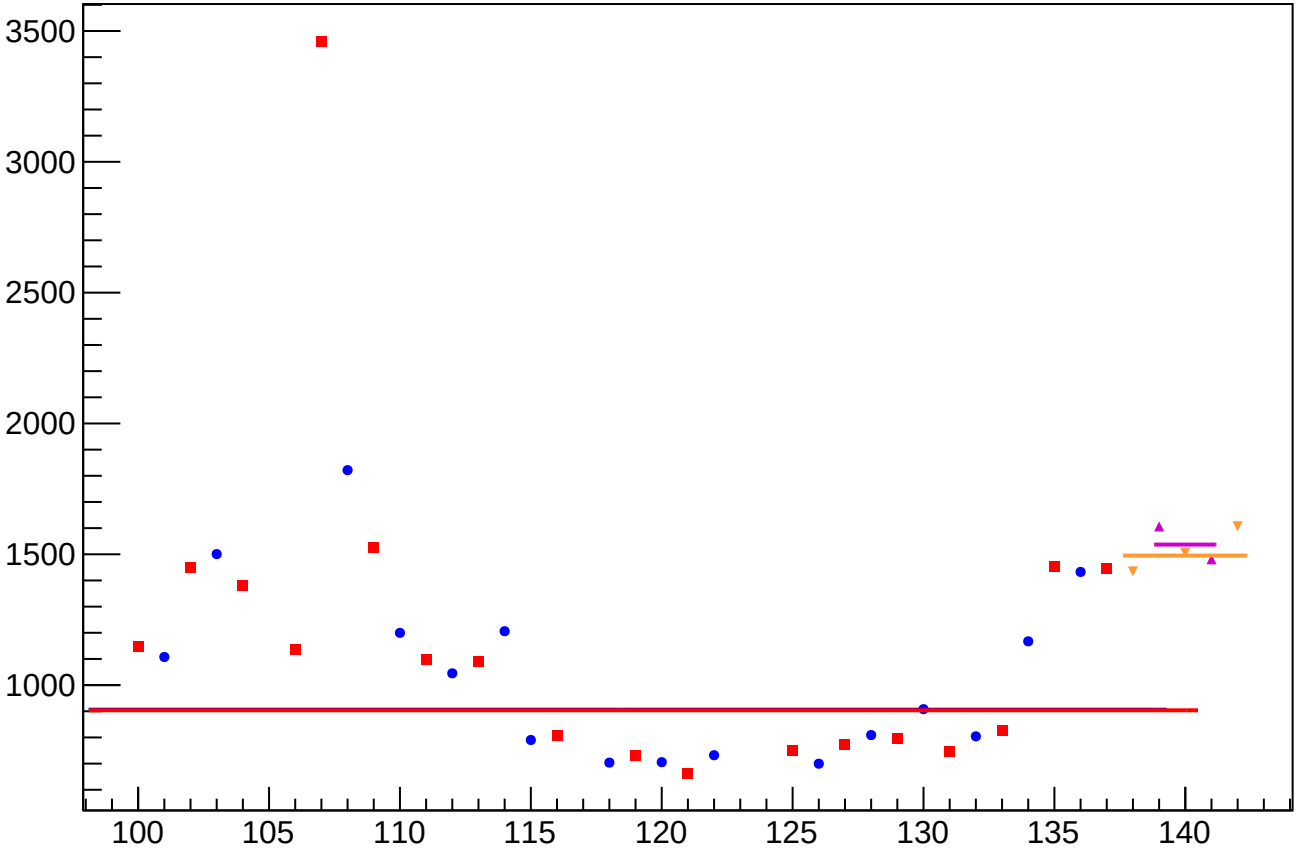
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: -138.614+/-336.601 χ^2/NDF:21.0/17

Out: 625.719+/-332.351 χ^2/NDF:25.3/20

All: 248.408+/-236.496 χ^2/NDF: 48.9/38

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1495.181+/-0.742 χ^2/NDF:7034.2/2

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

Left In: 1537.080+/-0.831 χ^2/NDF:5644.9/1

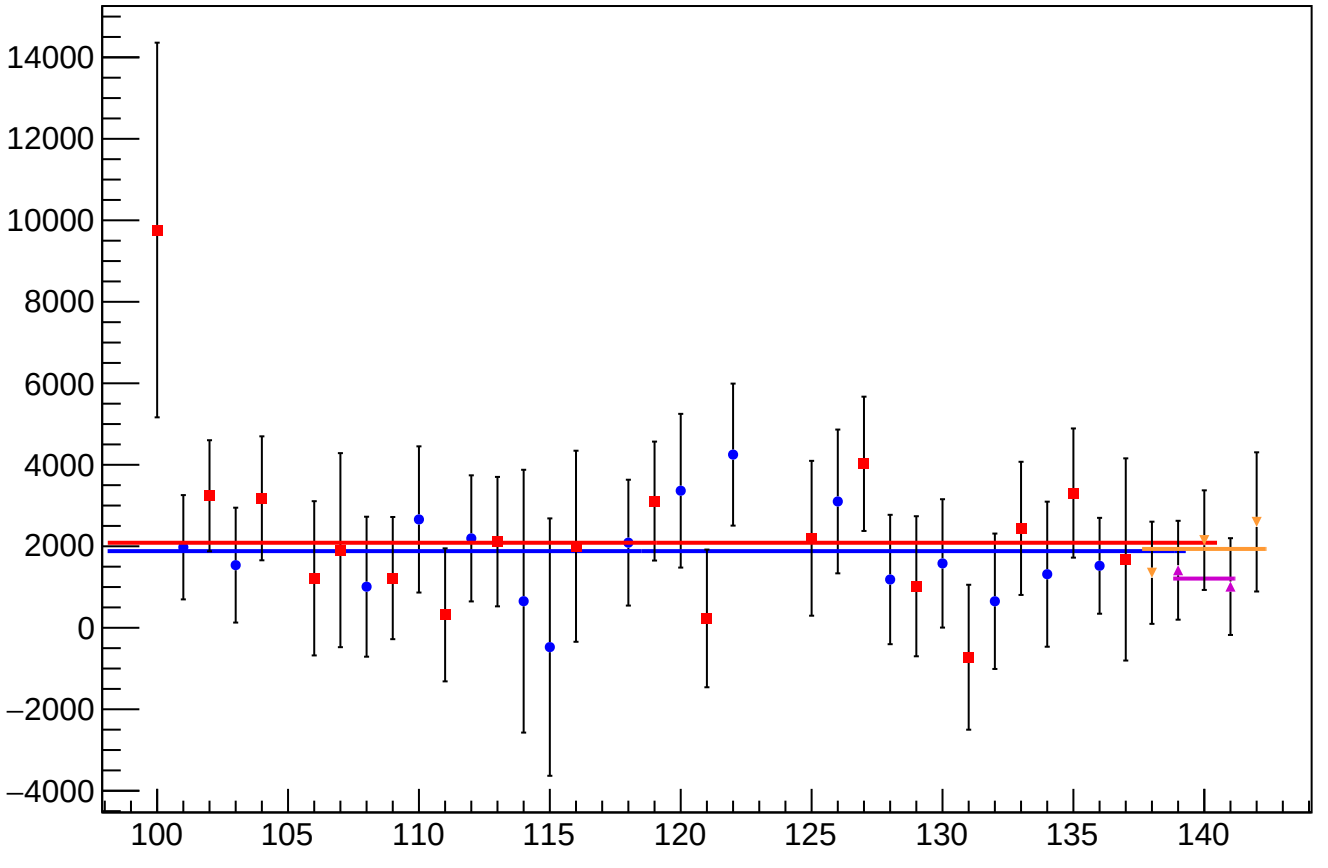
Left: 1513.757+/-0.553 χ^2/NDF: 14094.0/4

Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 957.796+/-0.238 χ^2/NDF:1614365.5/17

Out: 963.133+/-0.235 χ^2/NDF:1919055.2/20

All: 960.499+/-0.167 χ^2/NDF: 3533675.2/38



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

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

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

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

Left: 1602.524+/-573.866 χ^2/NDF: 0.9/4

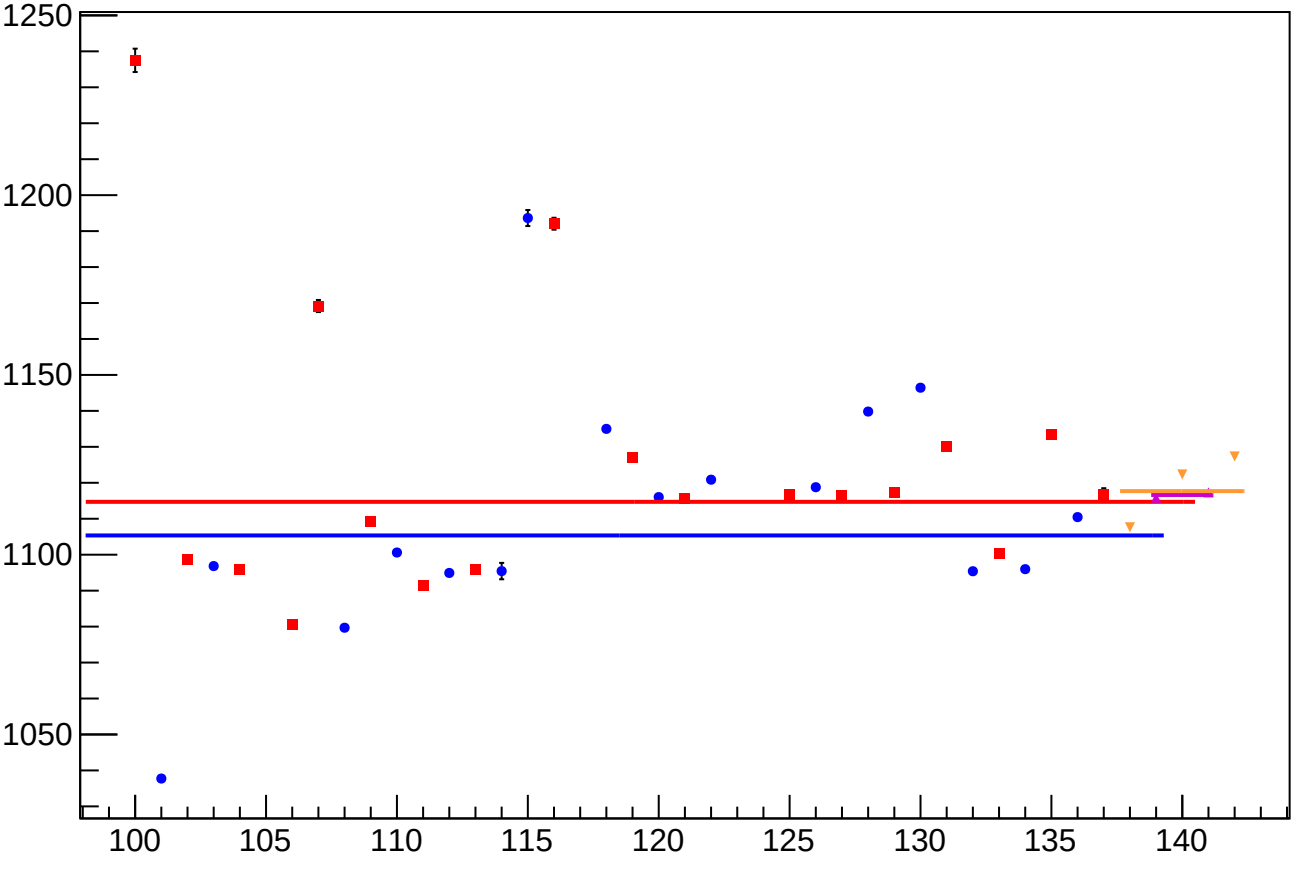
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1753.658+/-369.693 χ^2/NDF:5.8/17

Out: 2053.860+/-363.349 χ^2/NDF:12.8/20

All: 1906.357+/-259.140 χ^2/NDF: 18.9/38

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

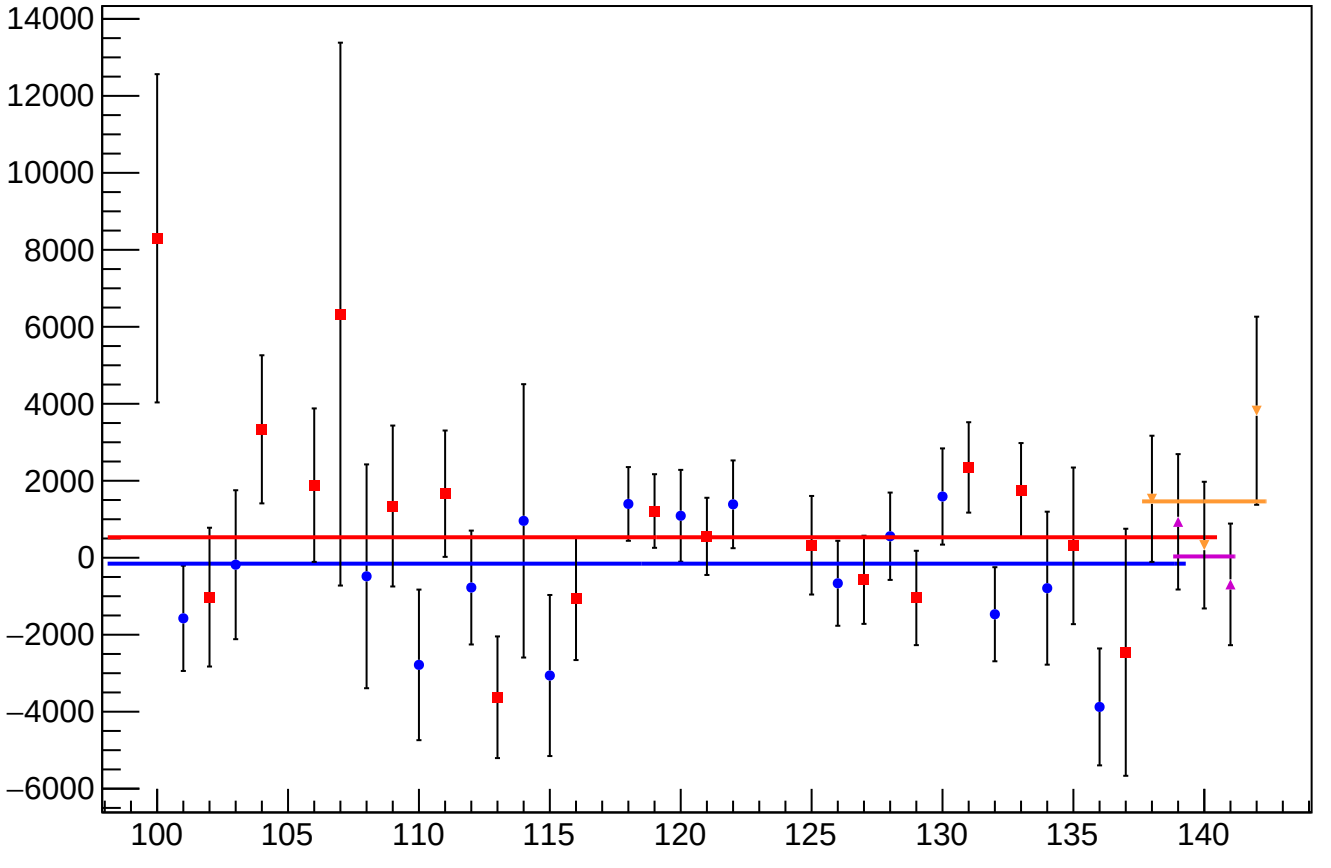
Left: 1117.193+/-0.406 χ^2/NDF: 224.6/4

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1107.491+/-0.261 χ^2/NDF:11617.4/17

Out: 1115.353+/-0.257 χ^2/NDF:7574.4/20

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



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

Left Out: 1464.059+/-1048.888 χ^2/NDF:1.4/2

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

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

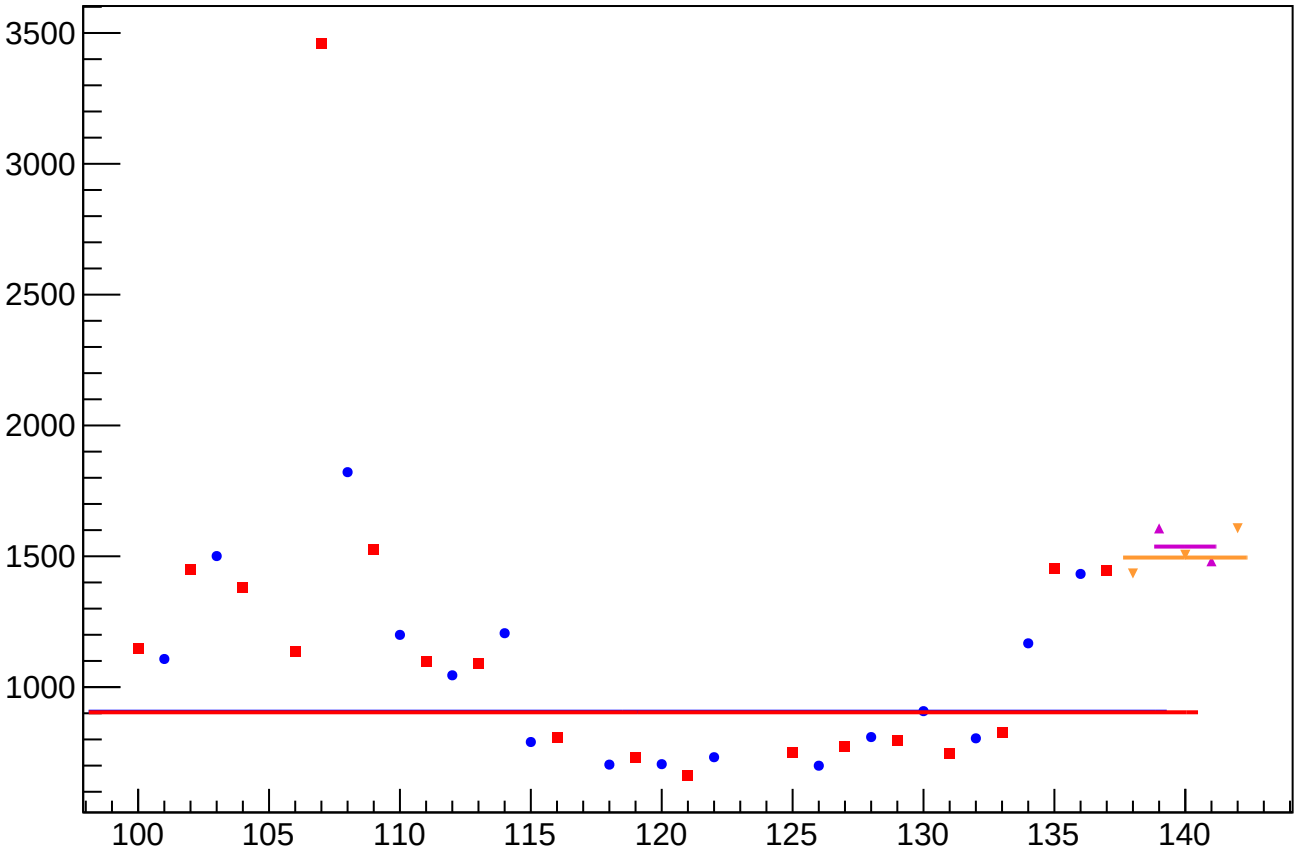
Left: 829.853+/-782.564 χ^2/NDF: 2.7/4

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: -138.612+/-336.601 χ^2/NDF:21.0/17

Out: 625.718+/-332.351 χ^2/NDF:25.3/20

All: 248.409+/-236.496 χ^2/NDF: 48.9/38



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

Left Out: 1495.183+/-0.742 χ^2/NDF:7034.0/2

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: 1513.759+/-0.553 χ^2/NDF: 14093.9/4

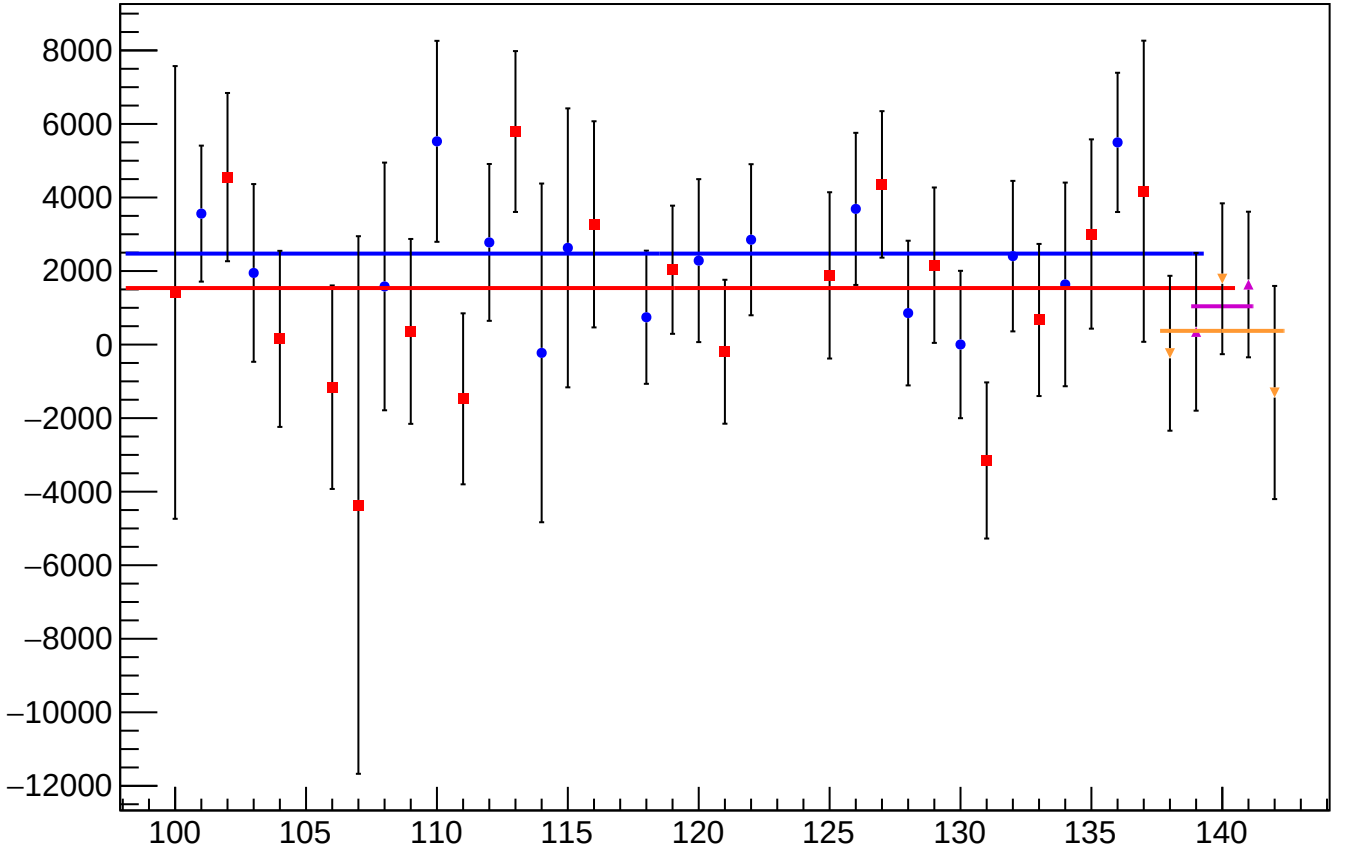
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 957.795+/-0.238 χ^2/NDF:1614375.9/17

Out: 963.131+/-0.235 χ^2/NDF:1919064.8/20

All: 960.497+/-0.167 χ^2/NDF: 3533695.3/38

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 373.135+/-1310.631 χ^2/NDF:0.9/2

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: 672.638+/-973.766 χ^2/NDF: 1.2/4

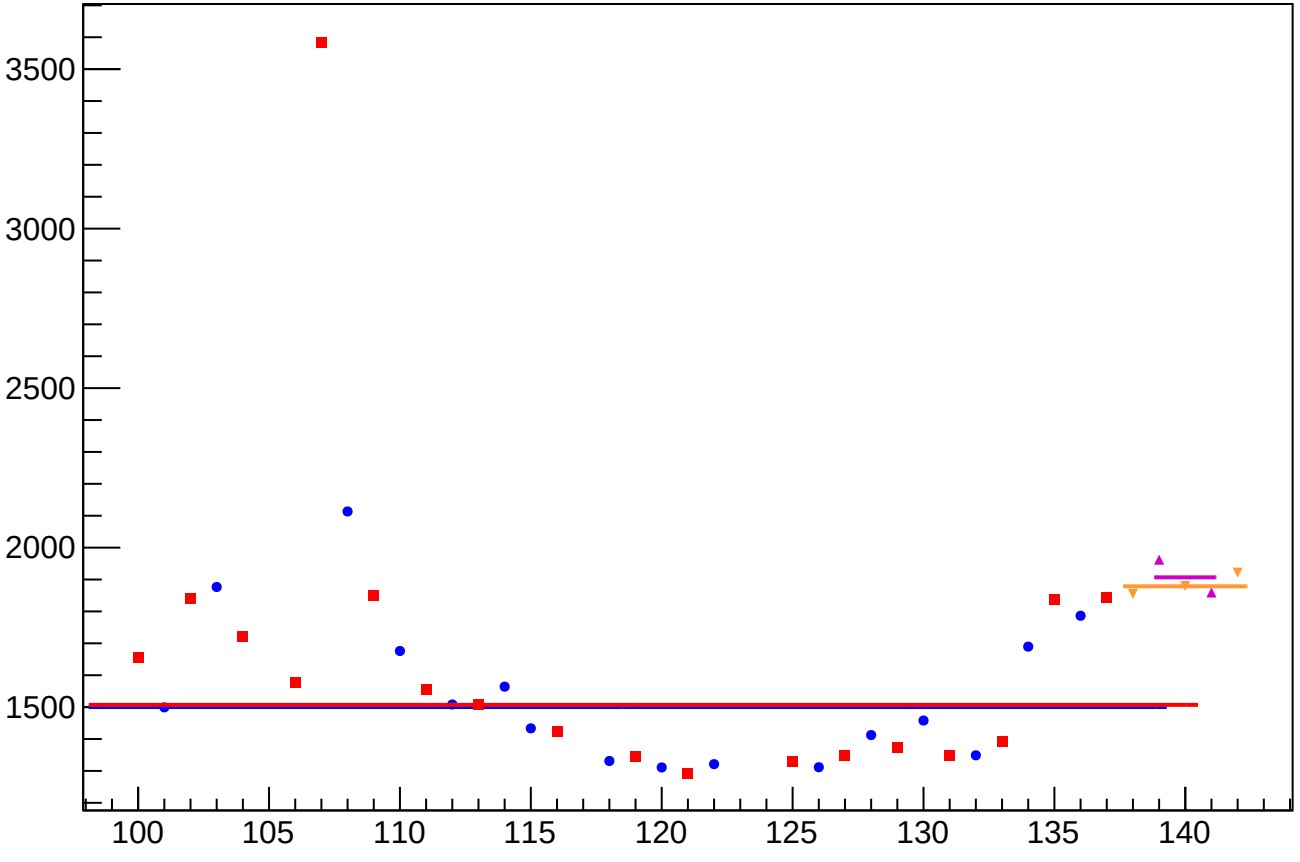
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2287.619+/-524.891 χ^2/NDF:9.3/17

Out: 1355.758+/-517.724 χ^2/NDF:20.1/20

All: 1815.283+/-368.594 χ^2/NDF: 30.9/38

asym_usl_rms vs Slug, Sign Corrected



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

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

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

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

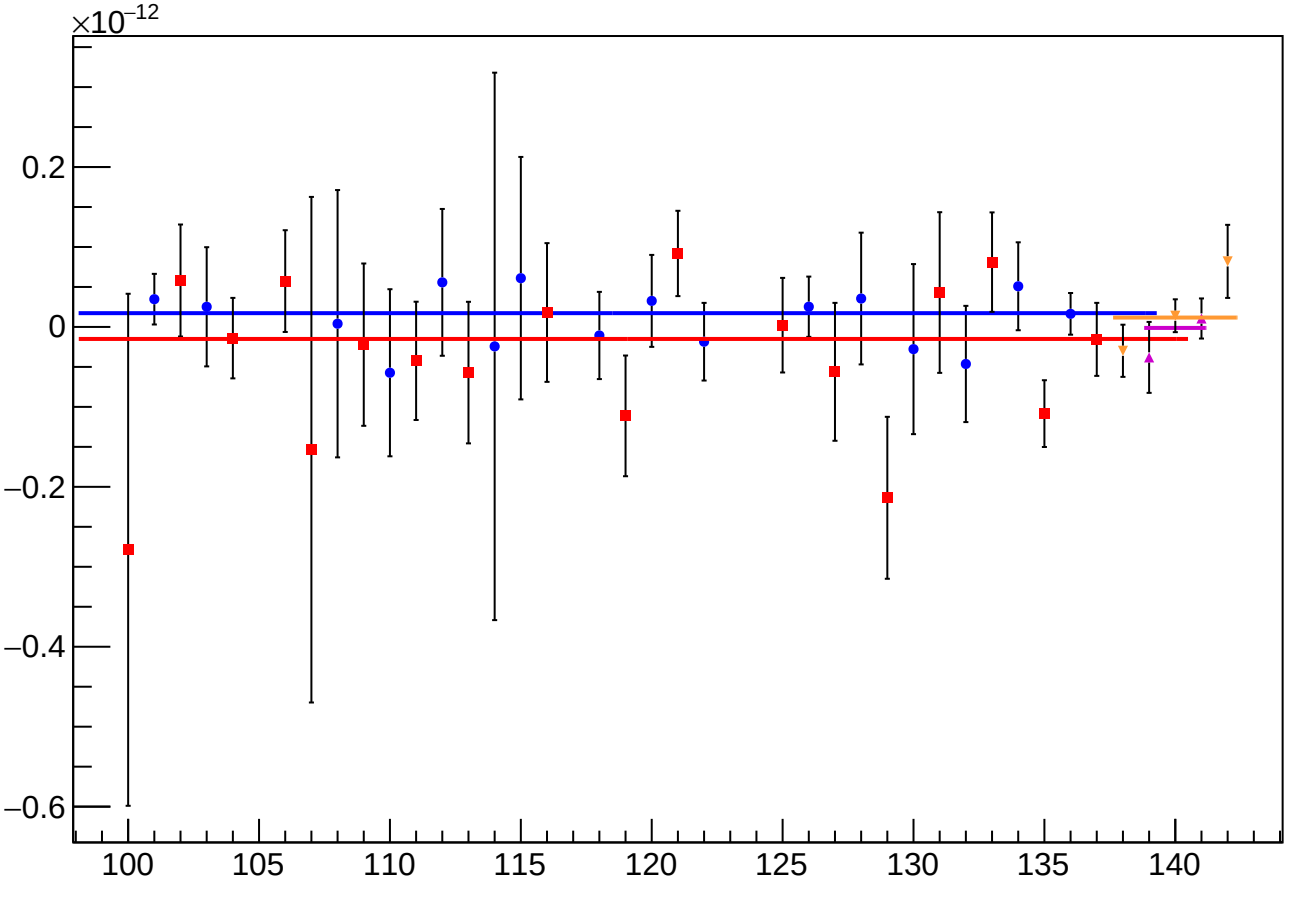
Left: 1891.286+/-0.689 χ^2/NDF: 3576.8/4

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1553.275+/-0.371 χ^2/NDF:397013.7/17

Out: 1565.086+/-0.366 χ^2/NDF:537619.9/20

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/2

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

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

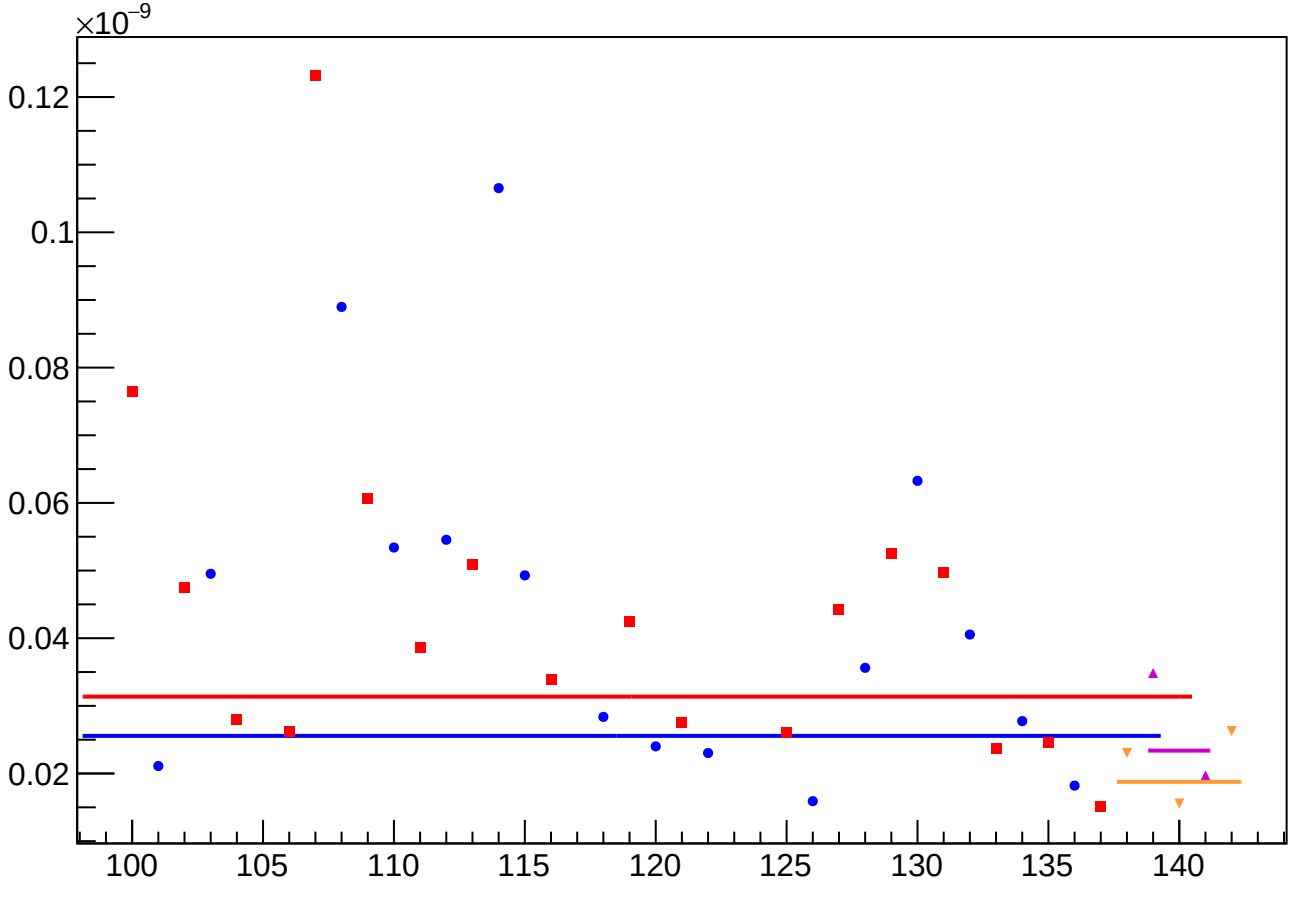
Left: 0.000+/-0.000 χ^2/NDF: 5.1/4

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:26.7/20

All: 0.000+/-0.000 χ^2/NDF: 32.2/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:137462.1/2

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

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

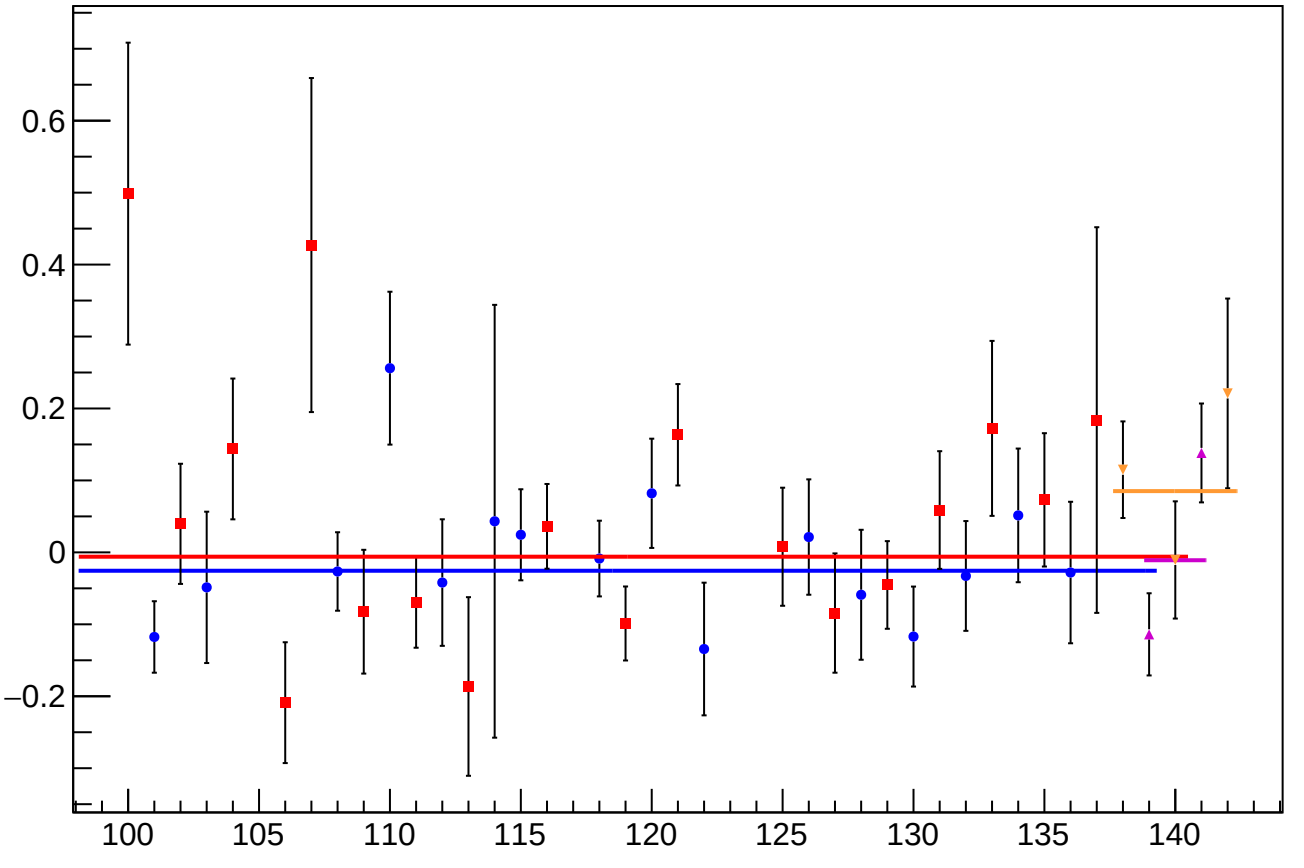
Left: 0.000+/-0.000 χ^2/NDF: 371693.4/4

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:1972116.5/20

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



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

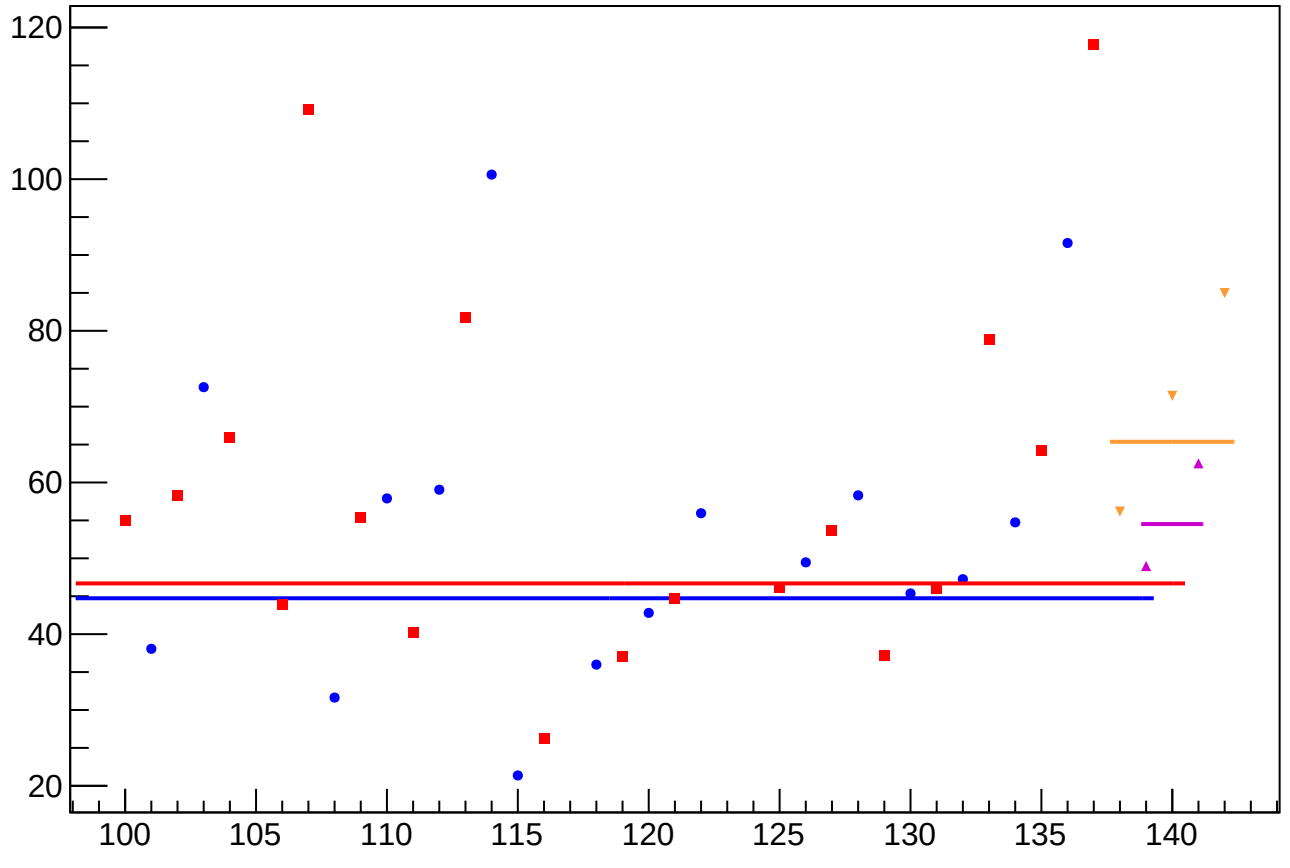
Left: 0.033+/-0.032 χ^2/NDF: 12.8/4

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.009+/-0.012 χ^2/NDF: 69.4/38



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

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

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

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

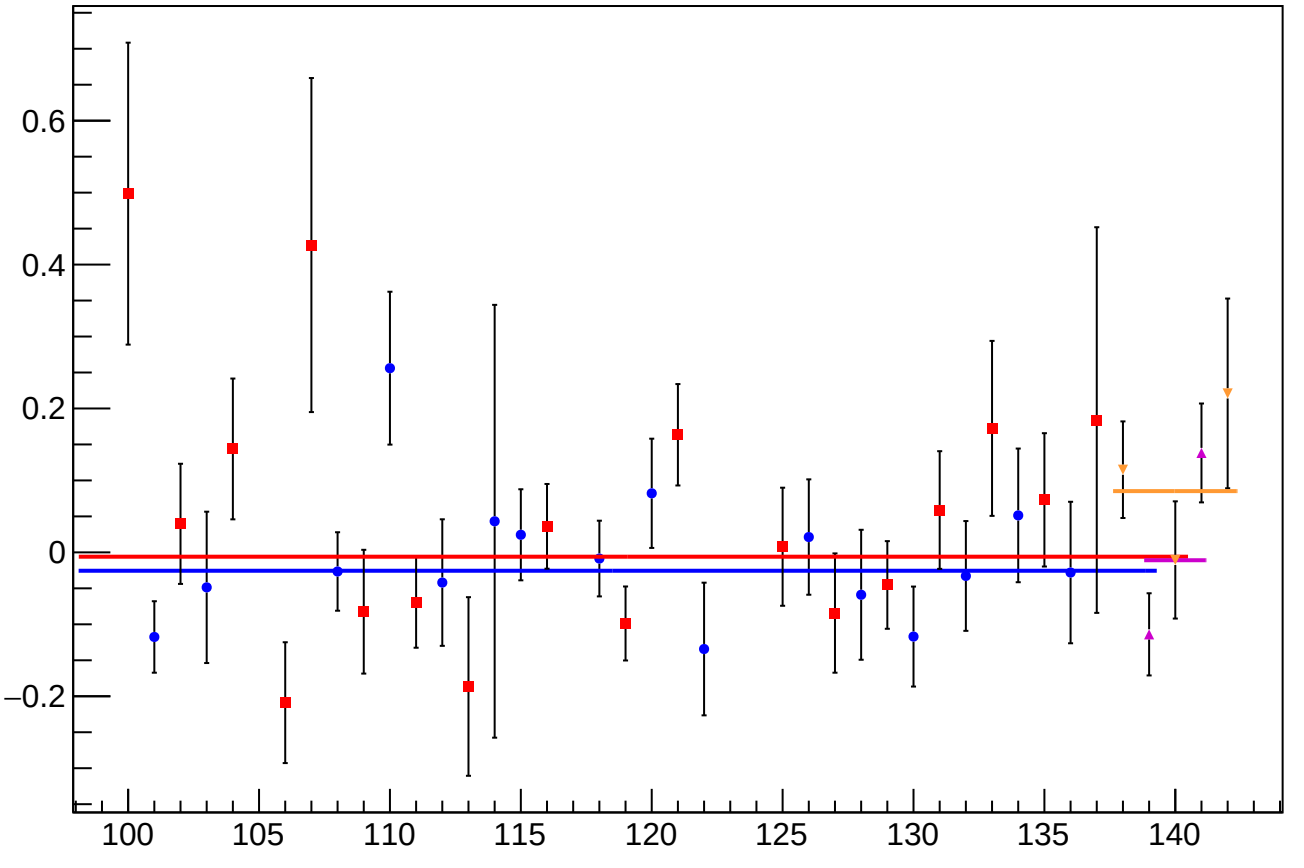
Left: 59.437+/-0.023 χ^2/NDF: 194161.9/4

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.244+/-0.012 χ^2/NDF:1464419.0/17

Out: 49.290+/-0.013 χ^2/NDF:1546563.0/20

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



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

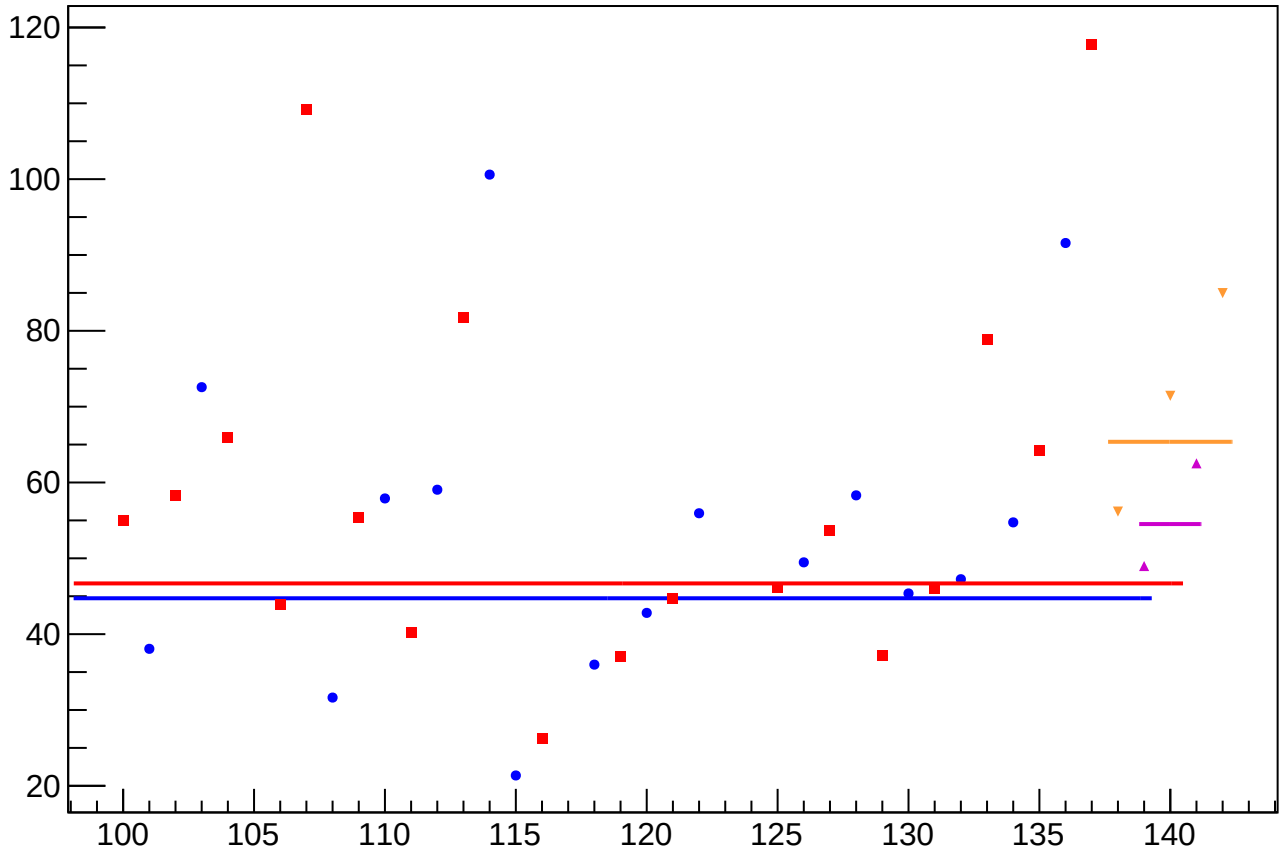
Left: 0.033+/-0.032 χ^2/NDF: 12.8/4

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.009+/-0.012 χ^2/NDF: 69.4/38



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

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

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

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

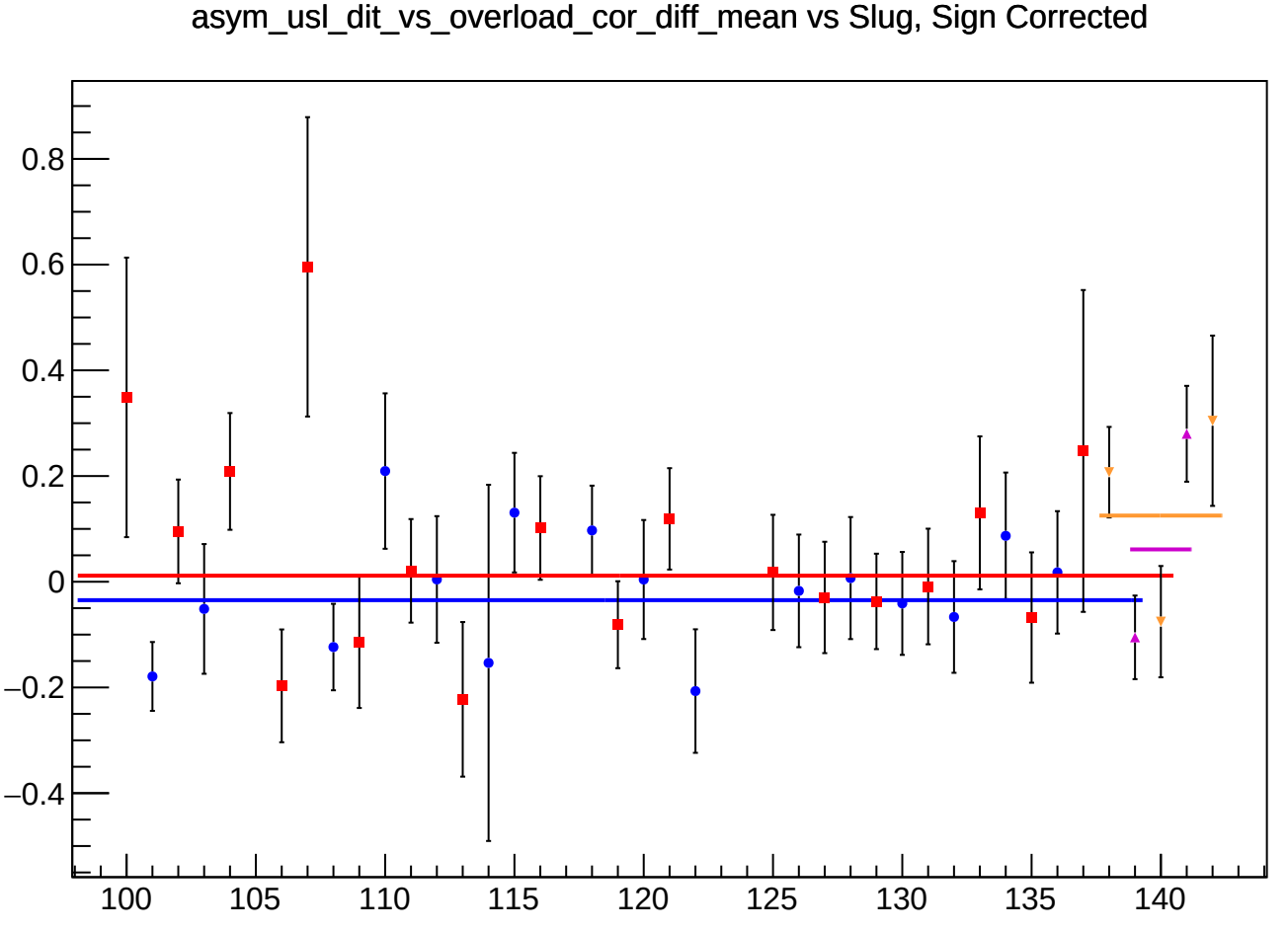
Left: 59.437+/-0.023 χ^2/NDF: 194161.9/4

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.244+/-0.012 χ^2/NDF:1464419.0/17

Out: 49.290+/-0.013 χ^2/NDF:1546563.0/20

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



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

Left Out: 0.125+/-0.061 χ^2/NDF:5.8/2

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

Left In: 0.061+/-0.060 χ^2/NDF:10.2/1

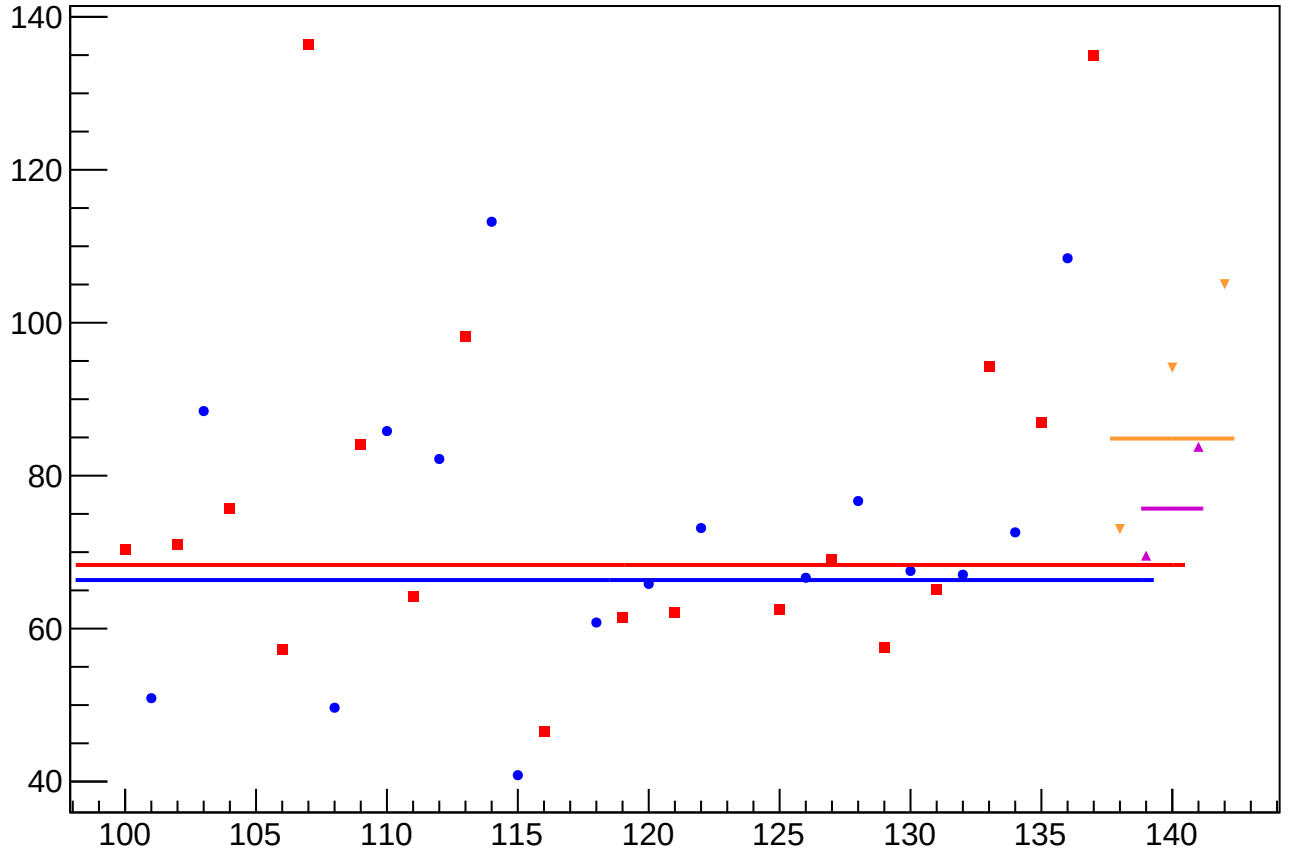
Left: 0.092+/-0.043 χ^2/NDF: 16.6/4

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.019+/-0.024 χ^2/NDF:29.9/17

Out: 0.030+/-0.025 χ^2/NDF:31.4/20

All: 0.005+/-0.017 χ^2/NDF: 63.3/38



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

Left Out: 84.857+/-0.043 χ^2/NDF:85078.4/2

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 75.693+/-0.042 χ^2/NDF:27997.6/1

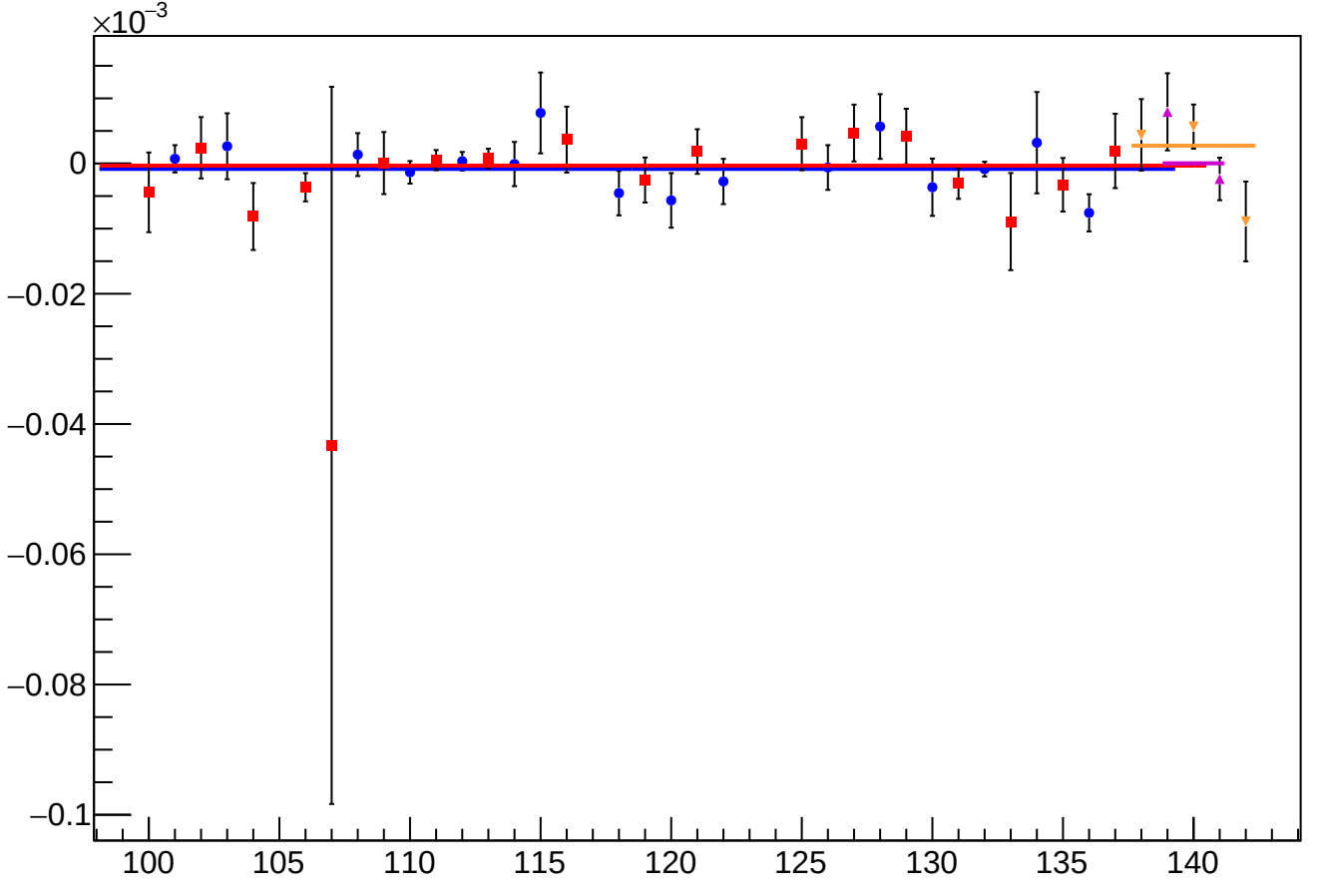
Left: 80.136+/-0.030 χ^2/NDF: 136005.1/4

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.869+/-0.017 χ^2/NDF:841823.6/17

Out: 70.983+/-0.017 χ^2/NDF:836336.9/20

All: 69.387+/-0.012 χ^2/NDF: 1694522.0/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/2

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/1

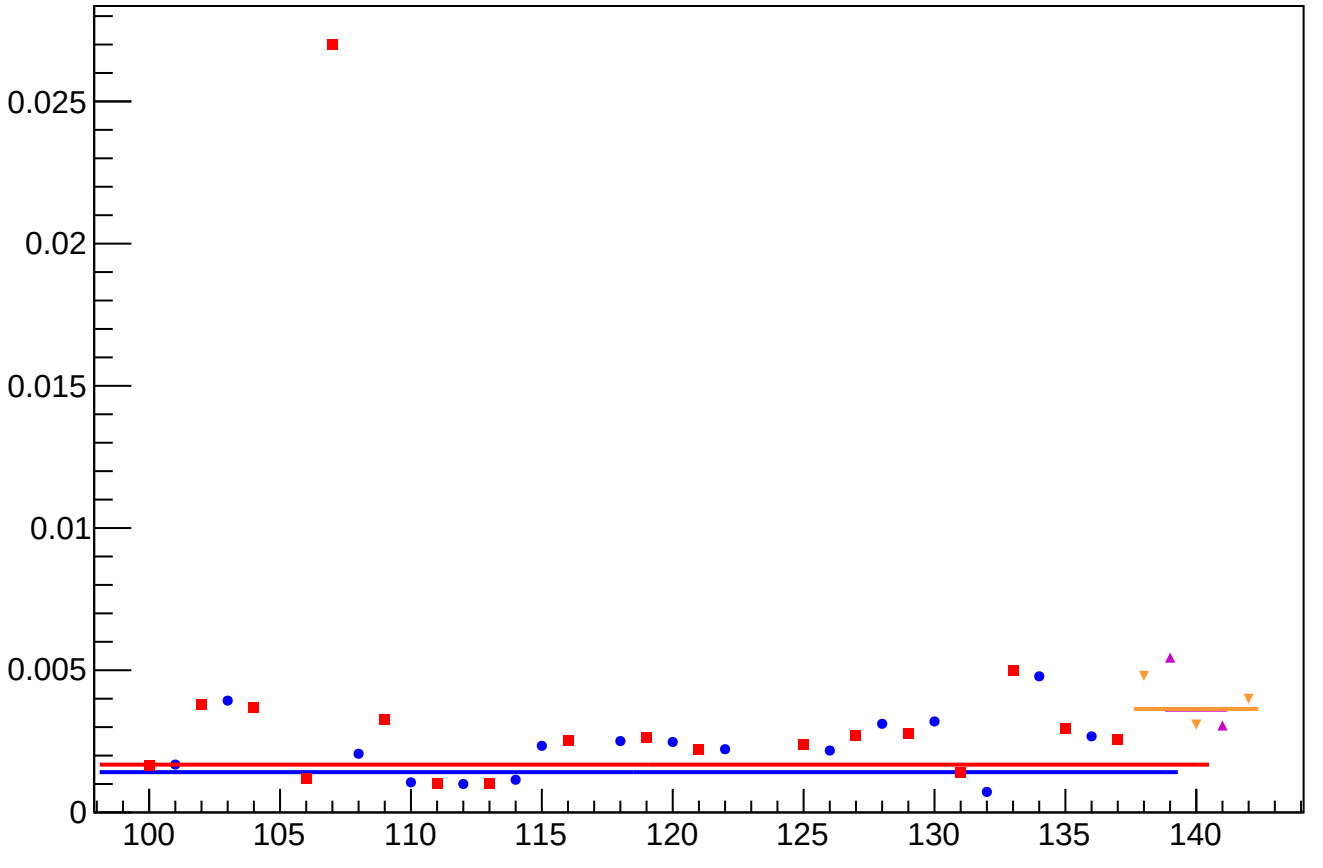
Left: 0.000+/-0.000 χ^2/NDF: 7.3/4

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:20.6/20

All: -0.000+/-0.000 χ^2/NDF: 38.5/38



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:149129.5/2

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:249436.1/1

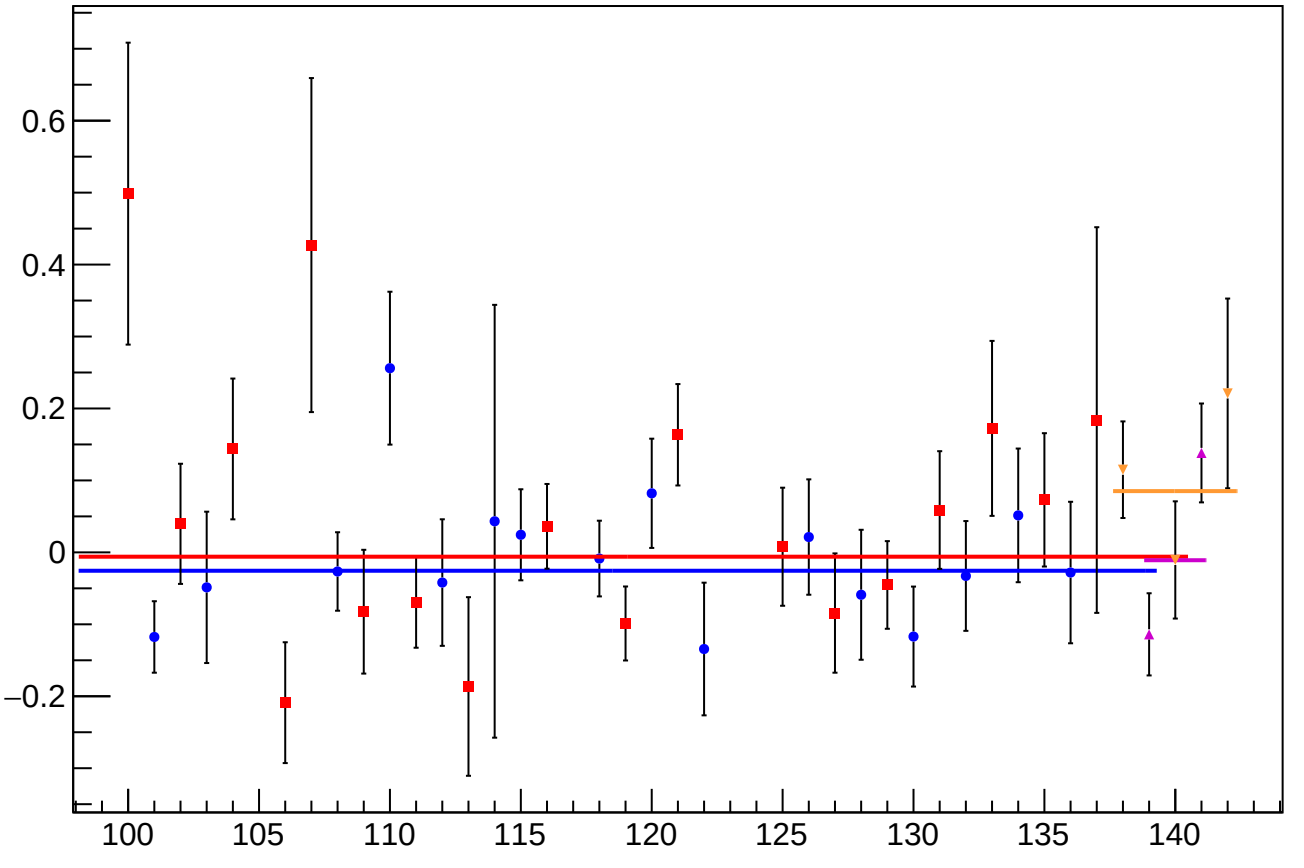
Left: 0.004+/-0.000 χ^2/NDF: 398657.5/4

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:4625509.8/20

All: 0.002+/-0.000 χ^2/NDF: 9773013.8/38



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

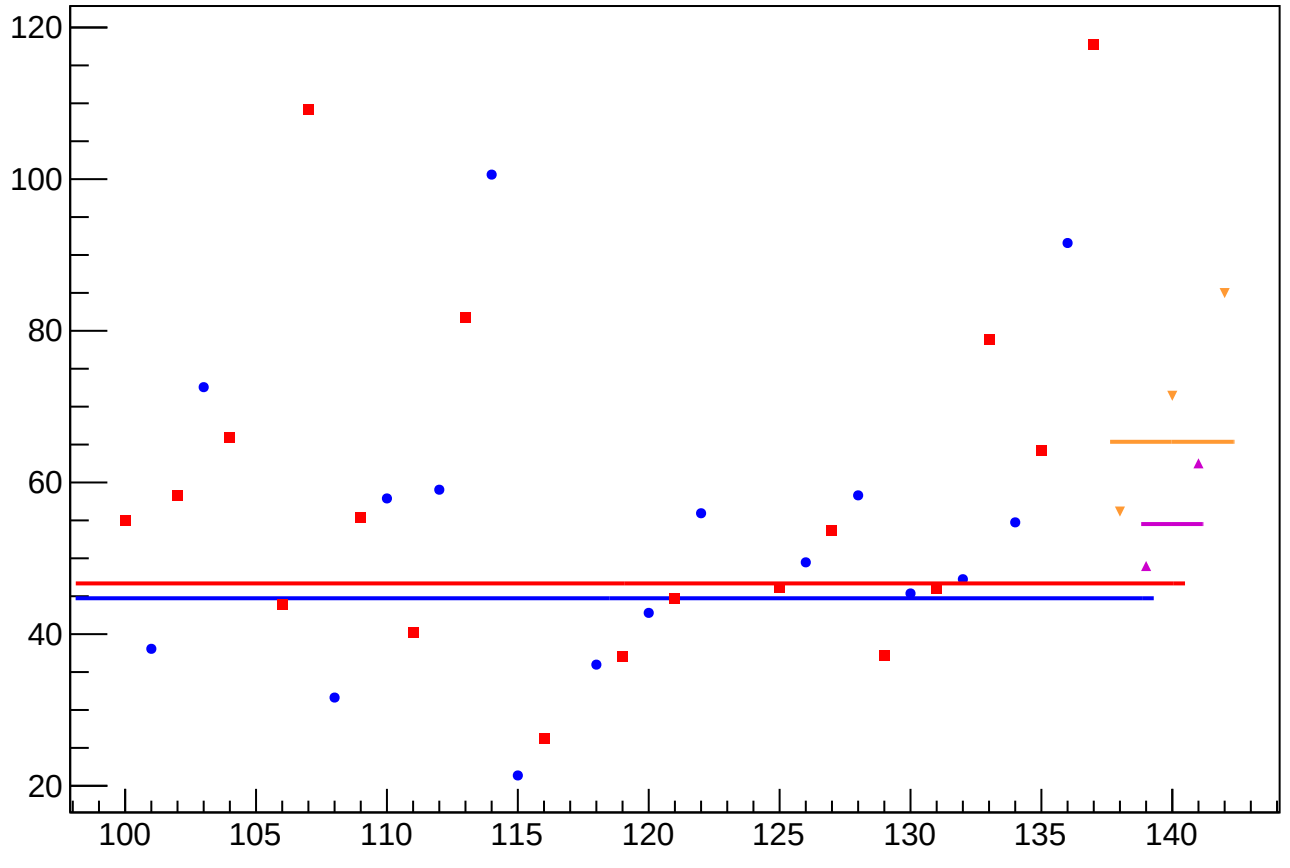
Left: 0.033+/-0.032 χ^2/NDF: 12.8/4

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.009+/-0.012 χ^2/NDF: 69.4/38



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 65.365+/-0.034 χ^2/NDF:92907.4/2

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 54.518+/-0.031 χ^2/NDF:45938.6/1

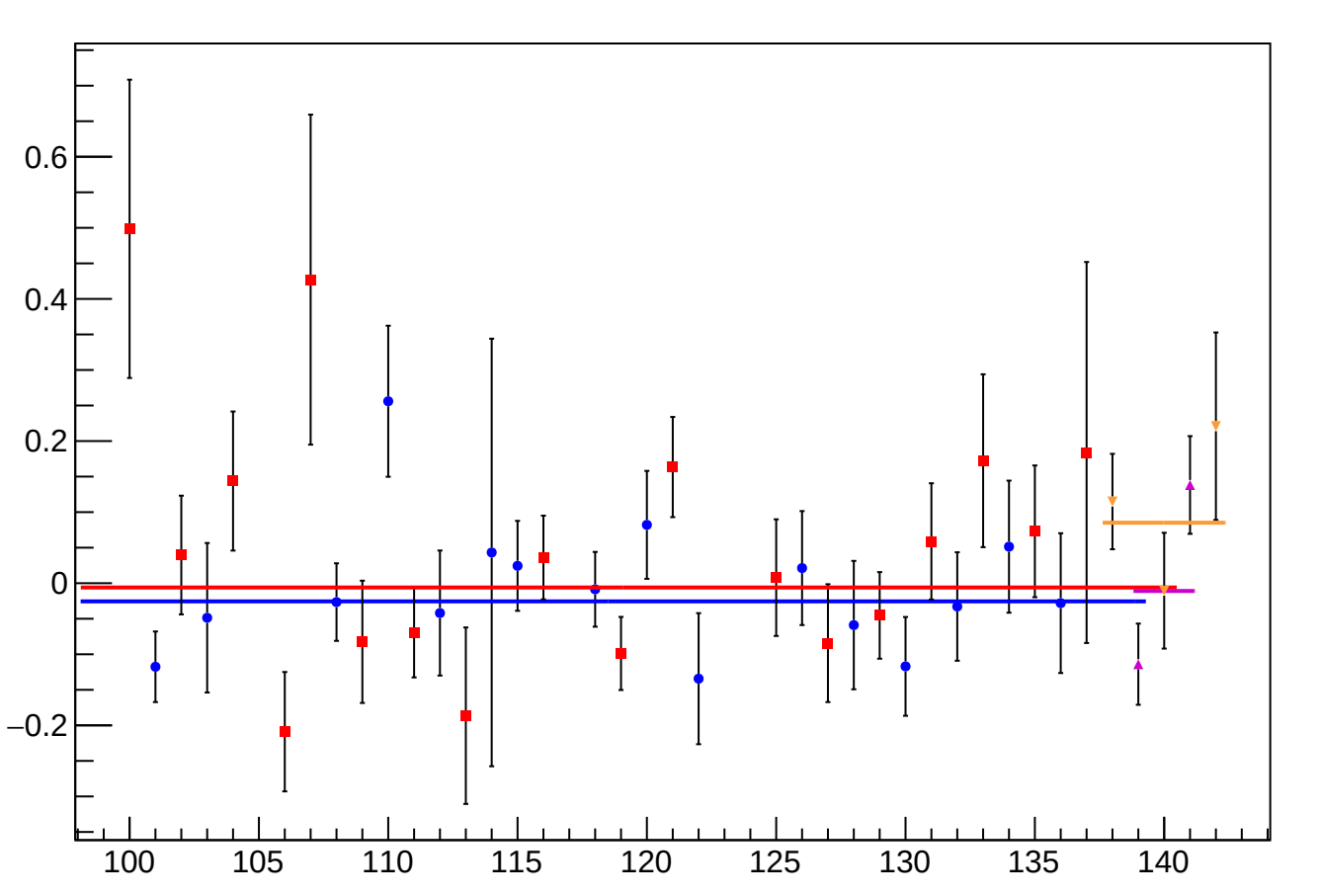
Left: 59.436+/-0.023 χ^2/NDF: 194156.0/4

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.243+/-0.012 χ^2/NDF:1464495.1/17

Out: 49.289+/-0.013 χ^2/NDF:1546625.4/20

All: 47.703+/-0.009 χ^2/NDF: 3040983.1/38



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

Left Out: 0.085+/-0.048 χ^2/NDF:2.6/2

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

Left In: -0.011+/-0.044 χ^2/NDF:8.0/1

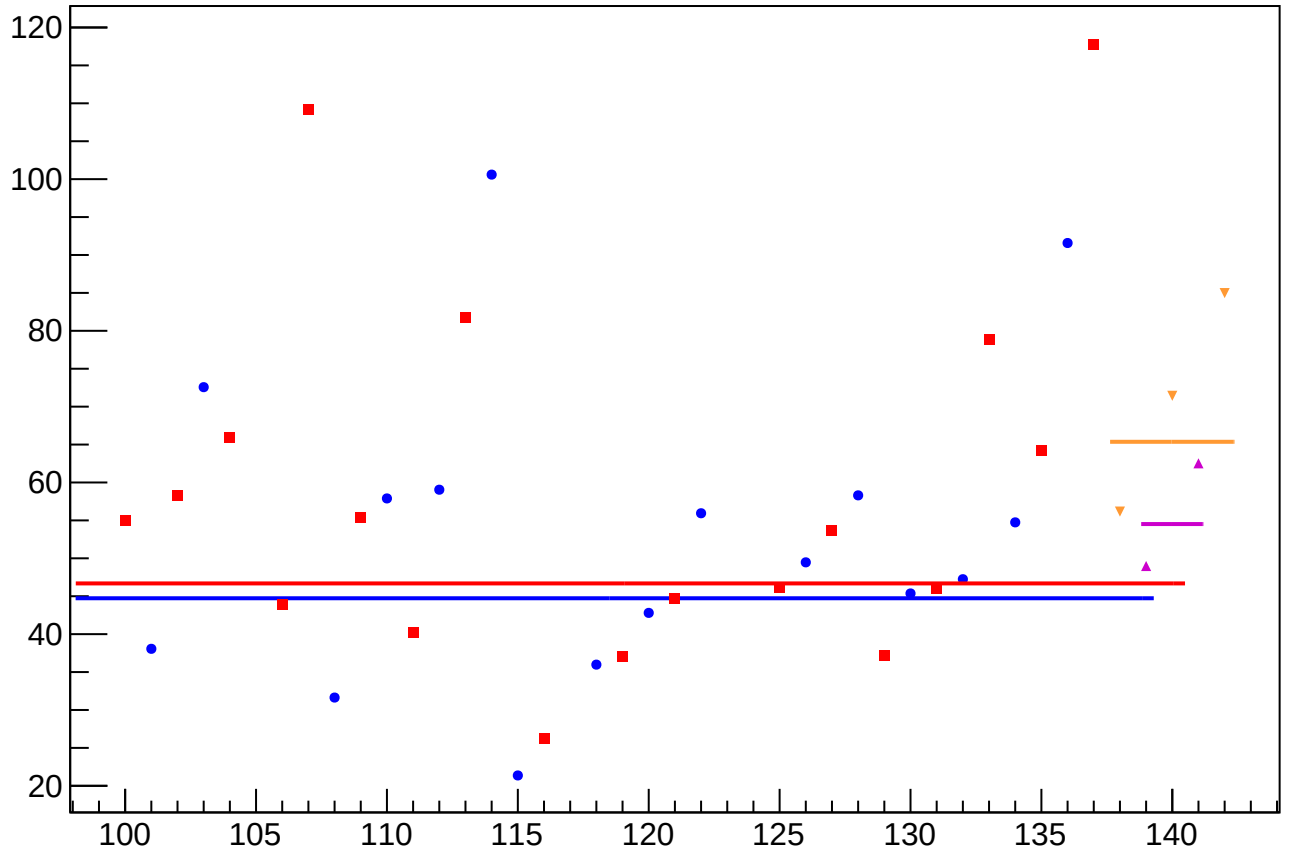
Left: 0.033+/-0.032 χ^2/NDF: 12.8/4

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.023+/-0.017 χ^2/NDF:25.7/17

Out: 0.007+/-0.018 χ^2/NDF:42.3/20

All: -0.009+/-0.012 χ^2/NDF: 69.4/38



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 65.365+/-0.034 χ^2/NDF:92907.4/2

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 54.518+/-0.031 χ^2/NDF:45938.6/1

Left: 59.436+/-0.023 χ^2/NDF: 194156.0/4

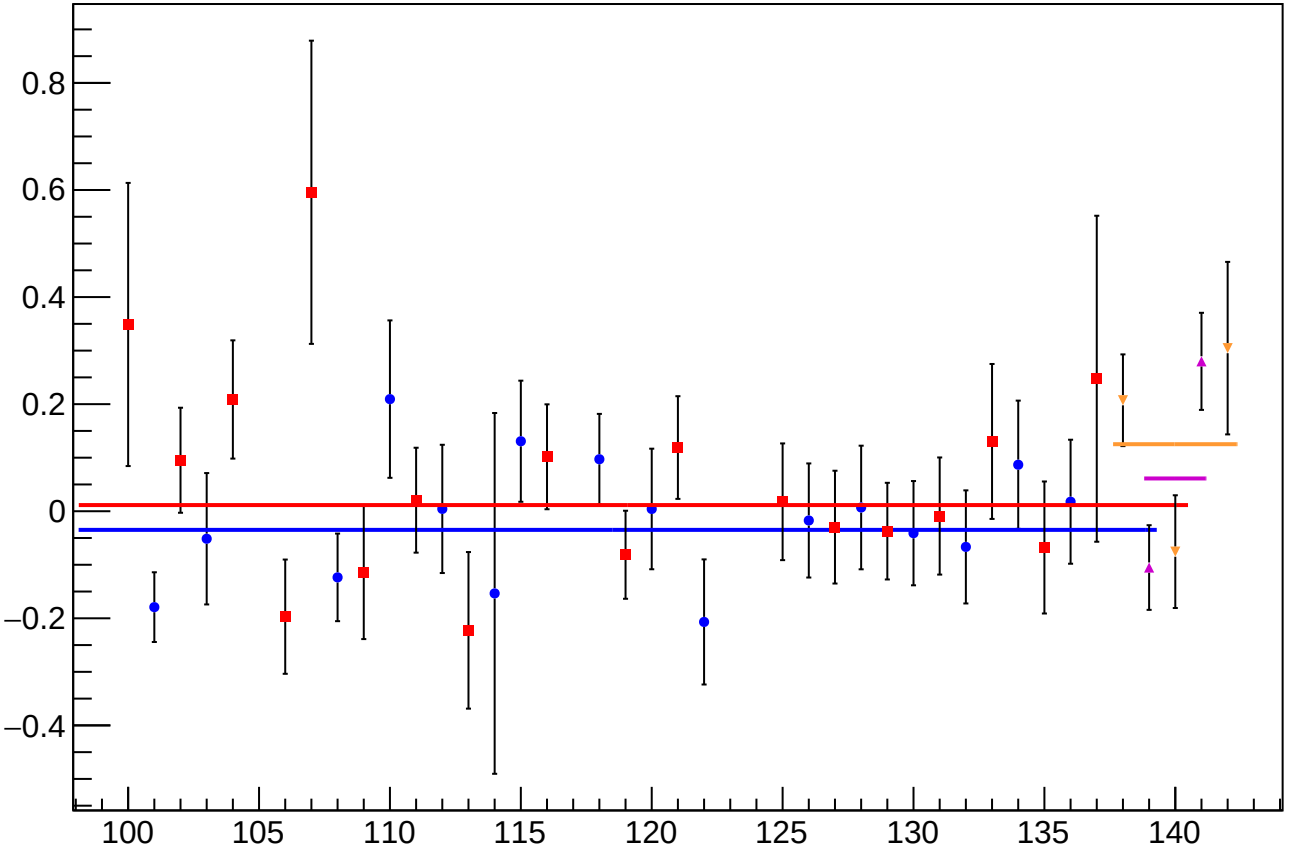
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.243+/-0.012 χ^2/NDF:1464495.1/17

Out: 49.289+/-0.013 χ^2/NDF:1546625.4/20

All: 47.703+/-0.009 χ^2/NDF: 3040983.1/38

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: 0.125+/-0.061 χ^2/NDF:5.8/2

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

Left In: 0.061+/-0.060 χ^2/NDF:10.2/1

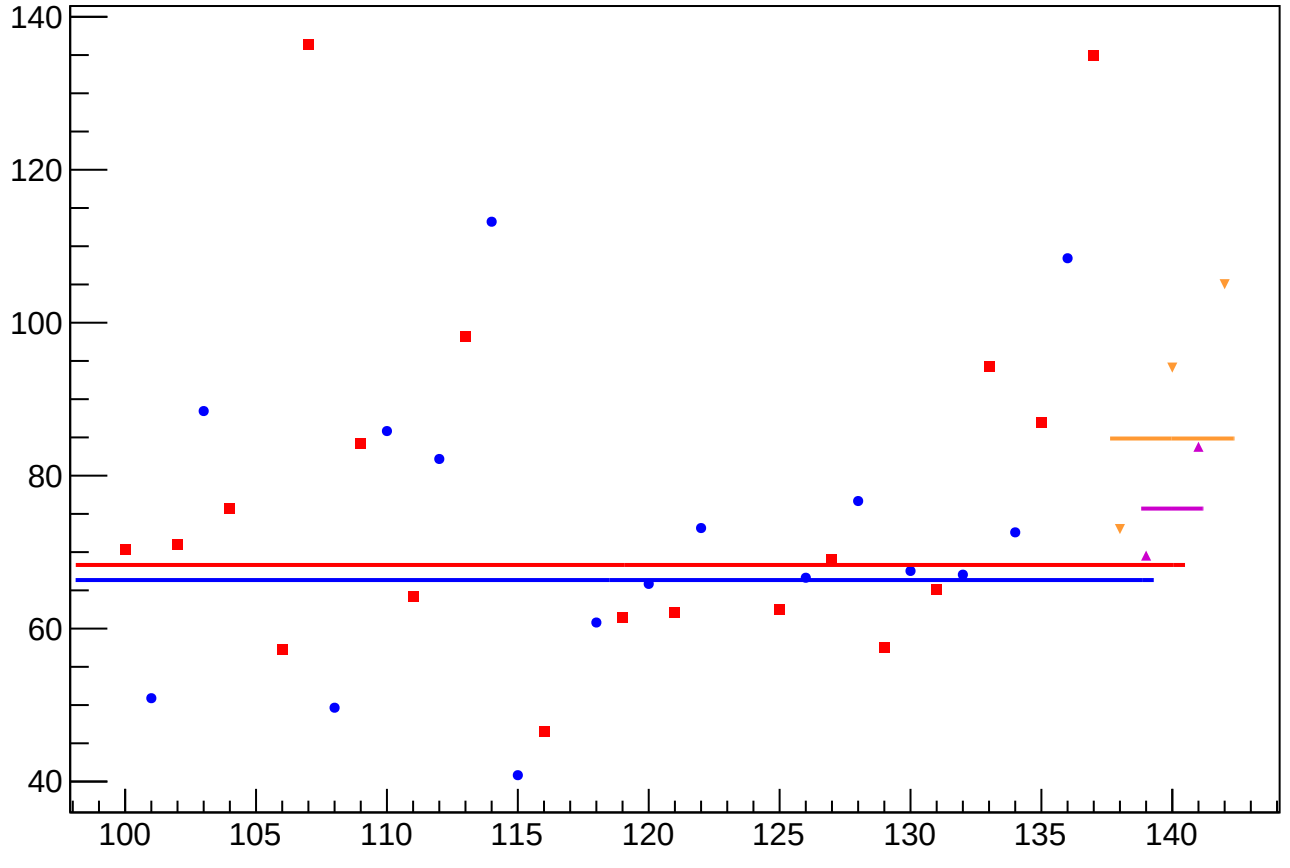
Left: 0.092+/-0.043 χ^2/NDF: 16.6/4

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.019+/-0.024 χ^2/NDF:29.9/17

Out: 0.030+/-0.025 χ^2/NDF:31.4/20

All: 0.005+/-0.017 χ^2/NDF: 63.3/38



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 84.856+/-0.043 χ^2/NDF:85082.8/2

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 75.693+/-0.042 χ^2/NDF:27994.6/1

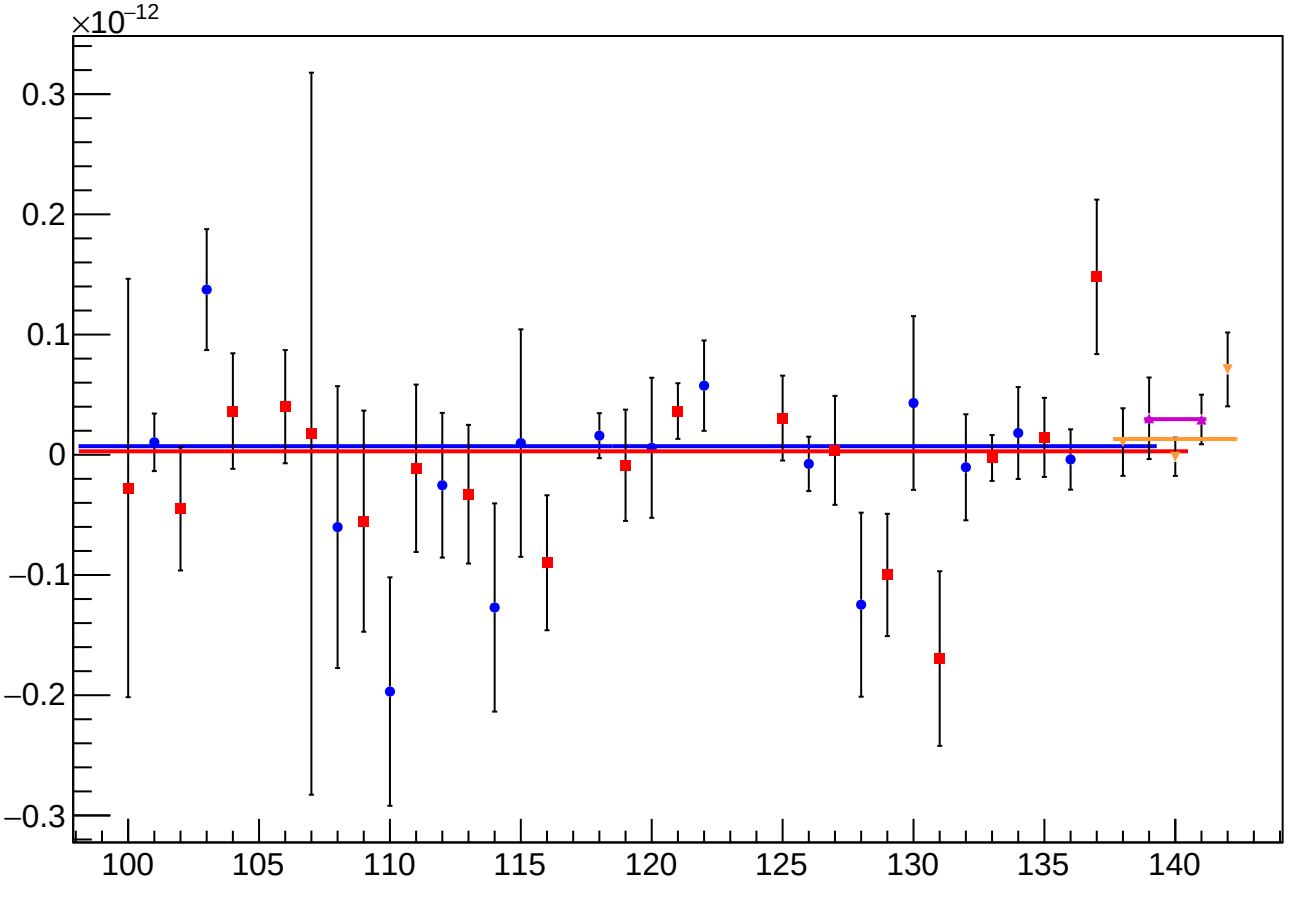
Left: 80.136+/-0.030 χ^2/NDF: 136003.6/4

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.869+/-0.017 χ^2/NDF:841834.3/17

Out: 70.982+/-0.017 χ^2/NDF:836344.0/20

All: 69.387+/-0.012 χ^2/NDF: 1694537.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

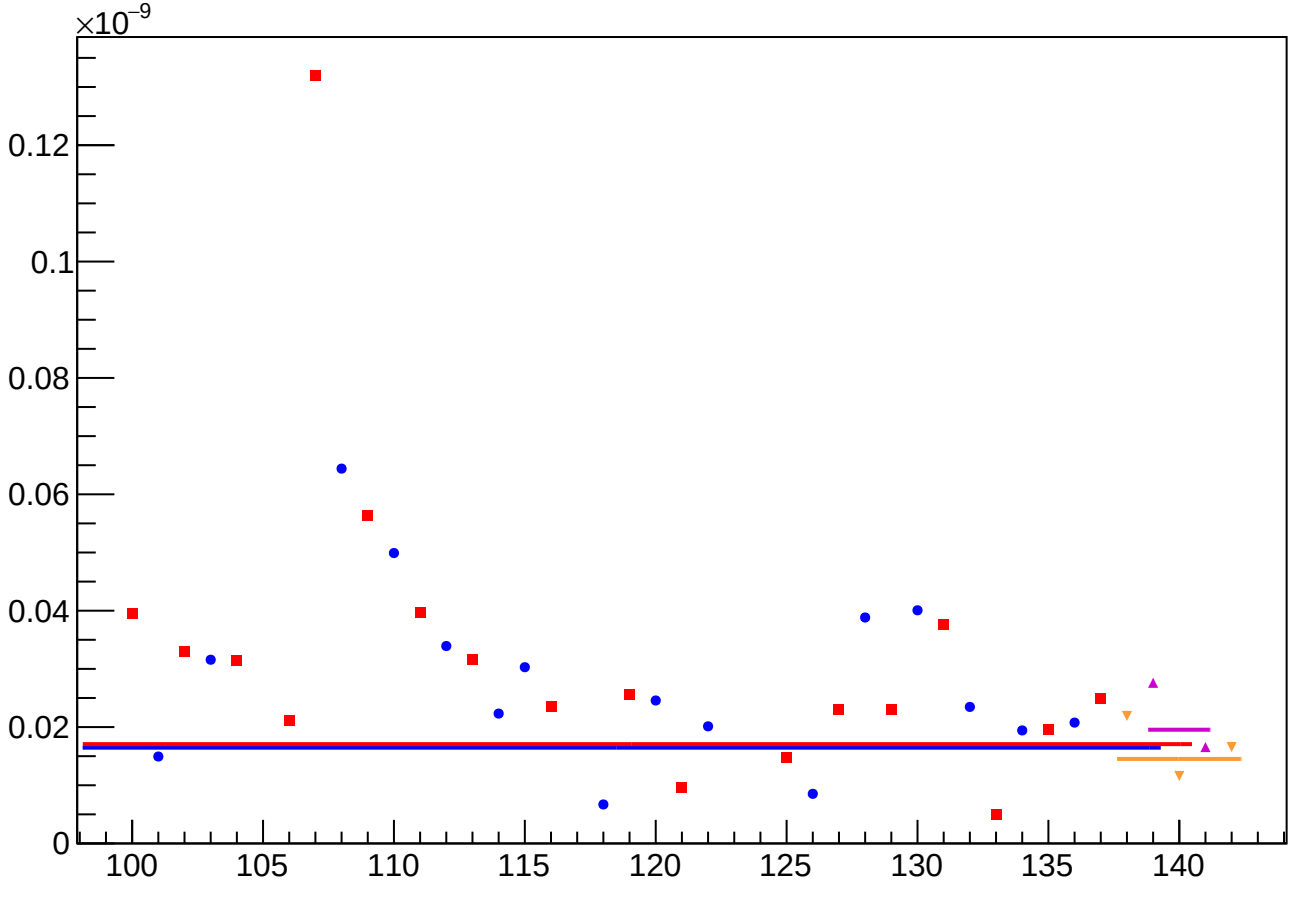
Left: 0.000+/-0.000 χ^2/NDF: 5.0/4

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:28.2/20

All: 0.000+/-0.000 χ^2/NDF: 50.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:214500.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:154745.7/1

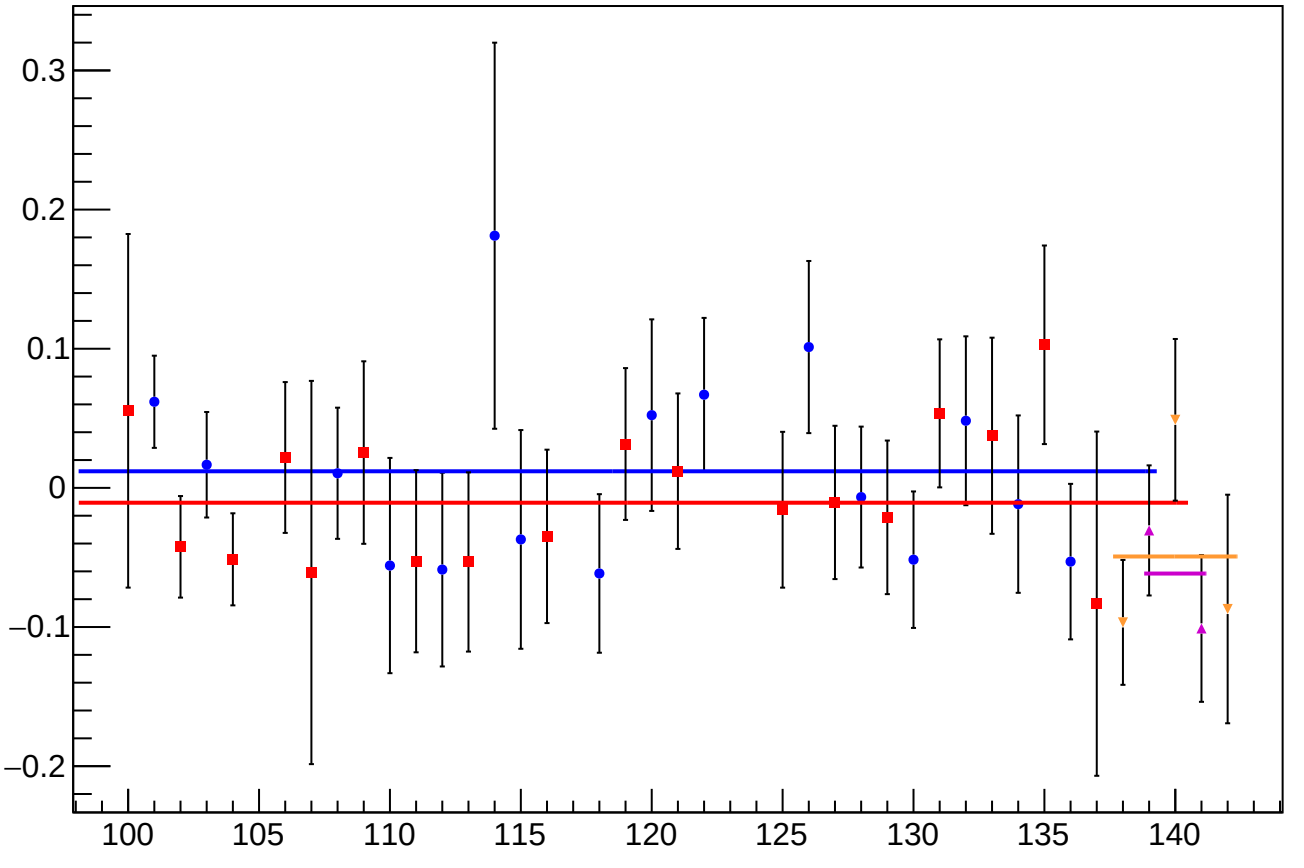
Left: 0.000+/-0.000 χ^2/NDF: 476534.4/4

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:3056353.6/20

All: 0.000+/-0.000 χ^2/NDF: 5621352.3/38



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.049+/-0.033 χ^2/NDF:4.2/2

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.062+/-0.035 χ^2/NDF:1.0/1

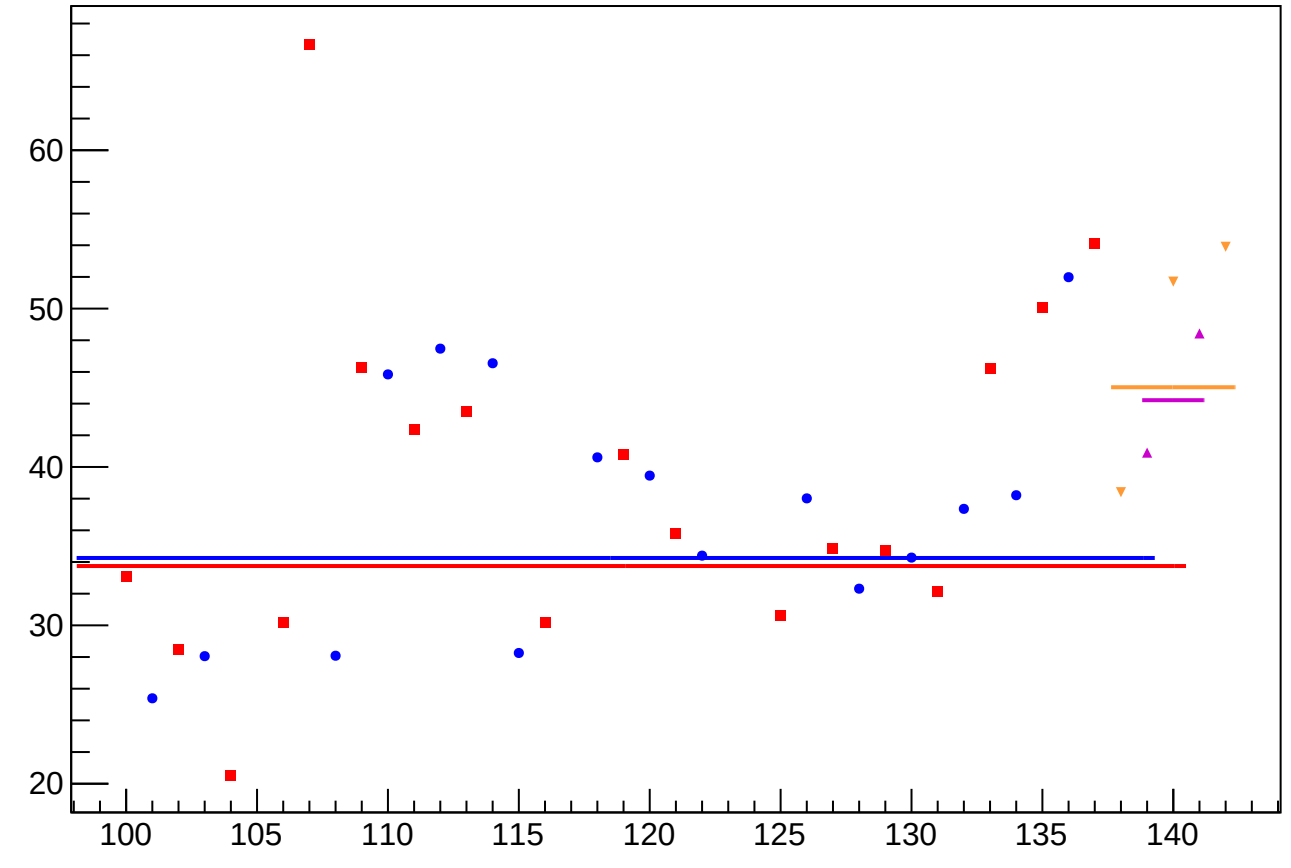
Left: -0.055+/-0.024 χ^2/NDF: 5.2/4

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.013 χ^2/NDF:19.5/17

Out: -0.016+/-0.012 χ^2/NDF:15.3/20

All: -0.007+/-0.009 χ^2/NDF: 35.9/38



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 45.034+/-0.023 χ^2/NDF:93292.7/2

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.217+/-0.025 χ^2/NDF:22805.3/1

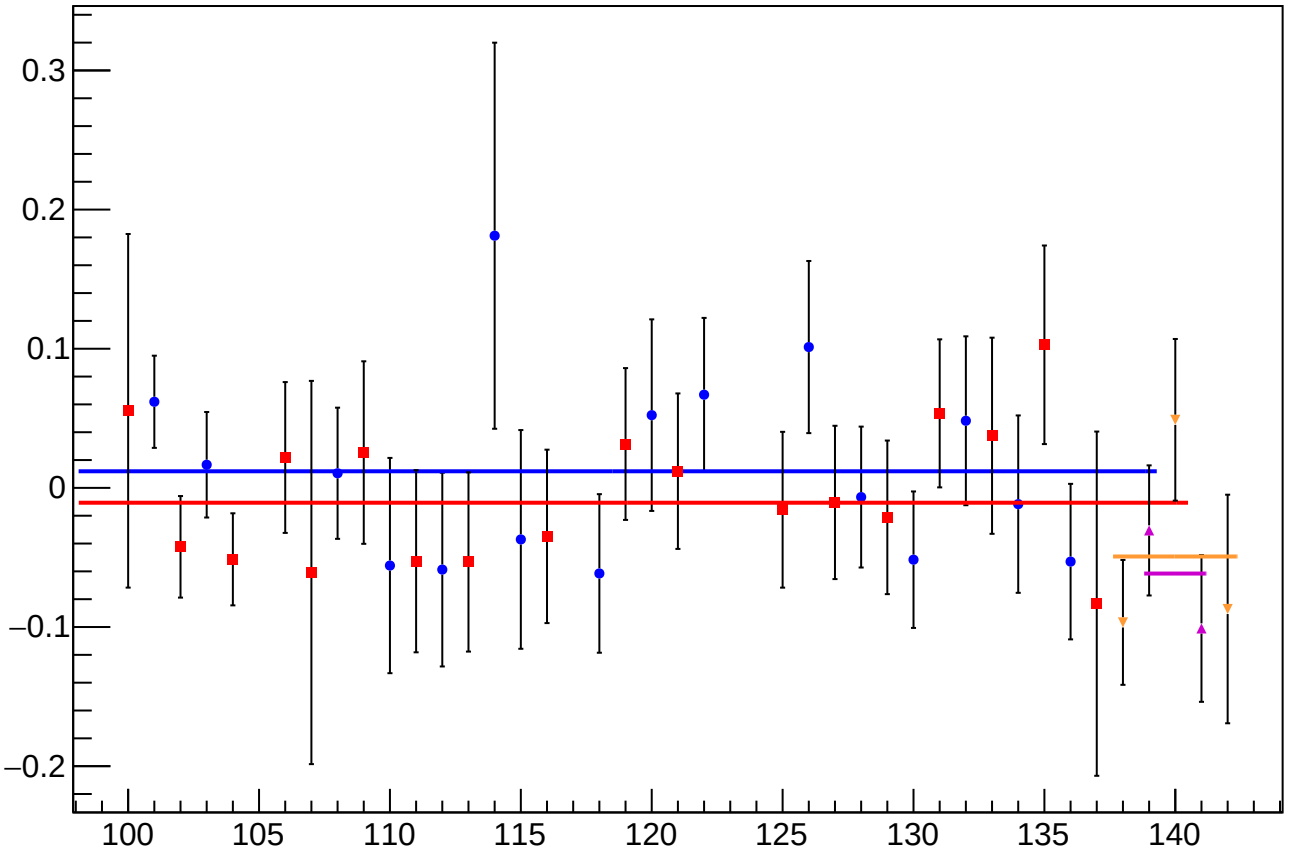
Left: 44.654+/-0.017 χ^2/NDF: 116682.6/4

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 35.564+/-0.009 χ^2/NDF:799664.2/17

Out: 35.387+/-0.009 χ^2/NDF:1210228.7/20

All: 35.474+/-0.006 χ^2/NDF: 2010093.0/38



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.049+/-0.033 χ^2/NDF:4.2/2

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: -0.055+/-0.024 χ^2/NDF: 5.2/4

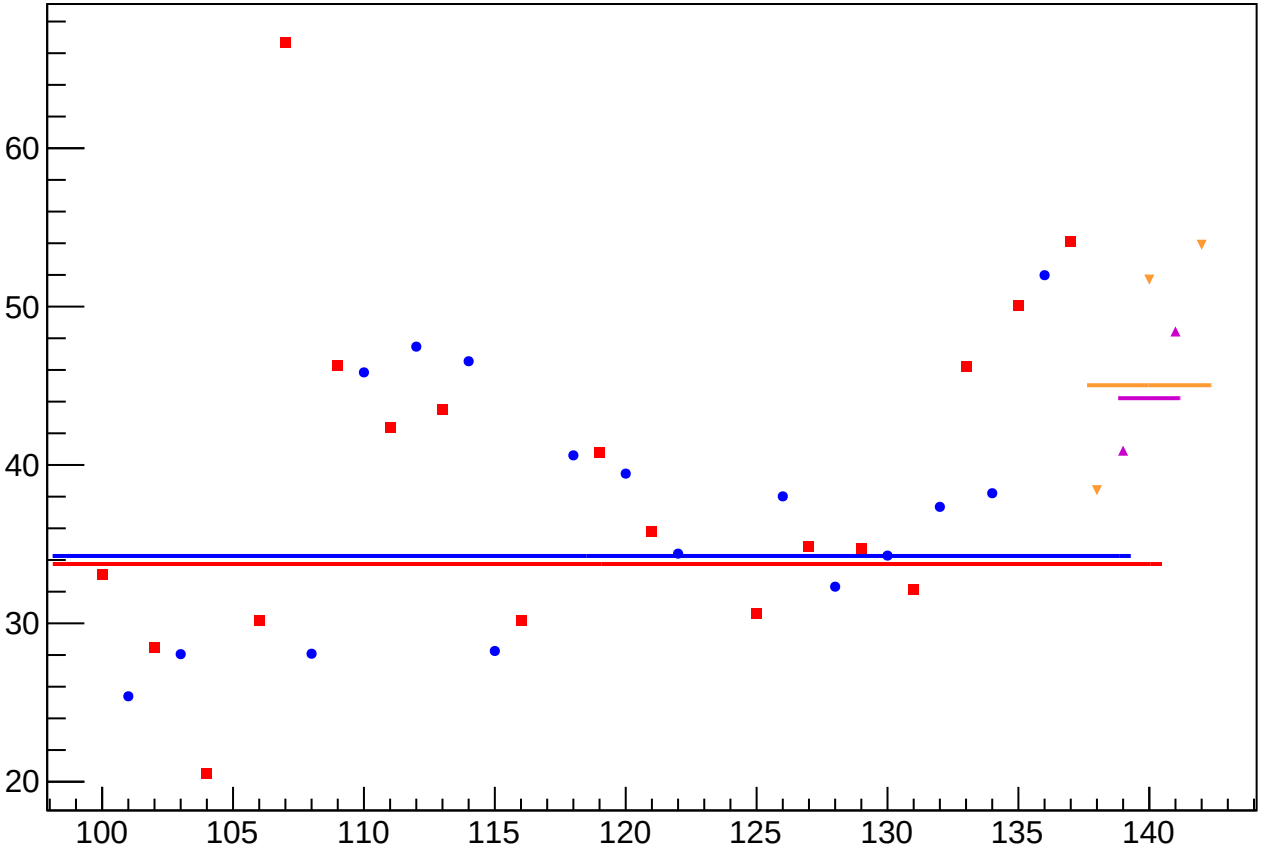
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.013 χ^2/NDF:19.5/17

Out: -0.016+/-0.012 χ^2/NDF:15.3/20

All: -0.007+/-0.009 χ^2/NDF: 35.9/38

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: 45.034+/-0.023 χ^2/NDF:93292.7/2

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.217+/-0.025 χ^2/NDF:22805.3/1

Left: 44.654+/-0.017 χ^2/NDF: 116682.6/4

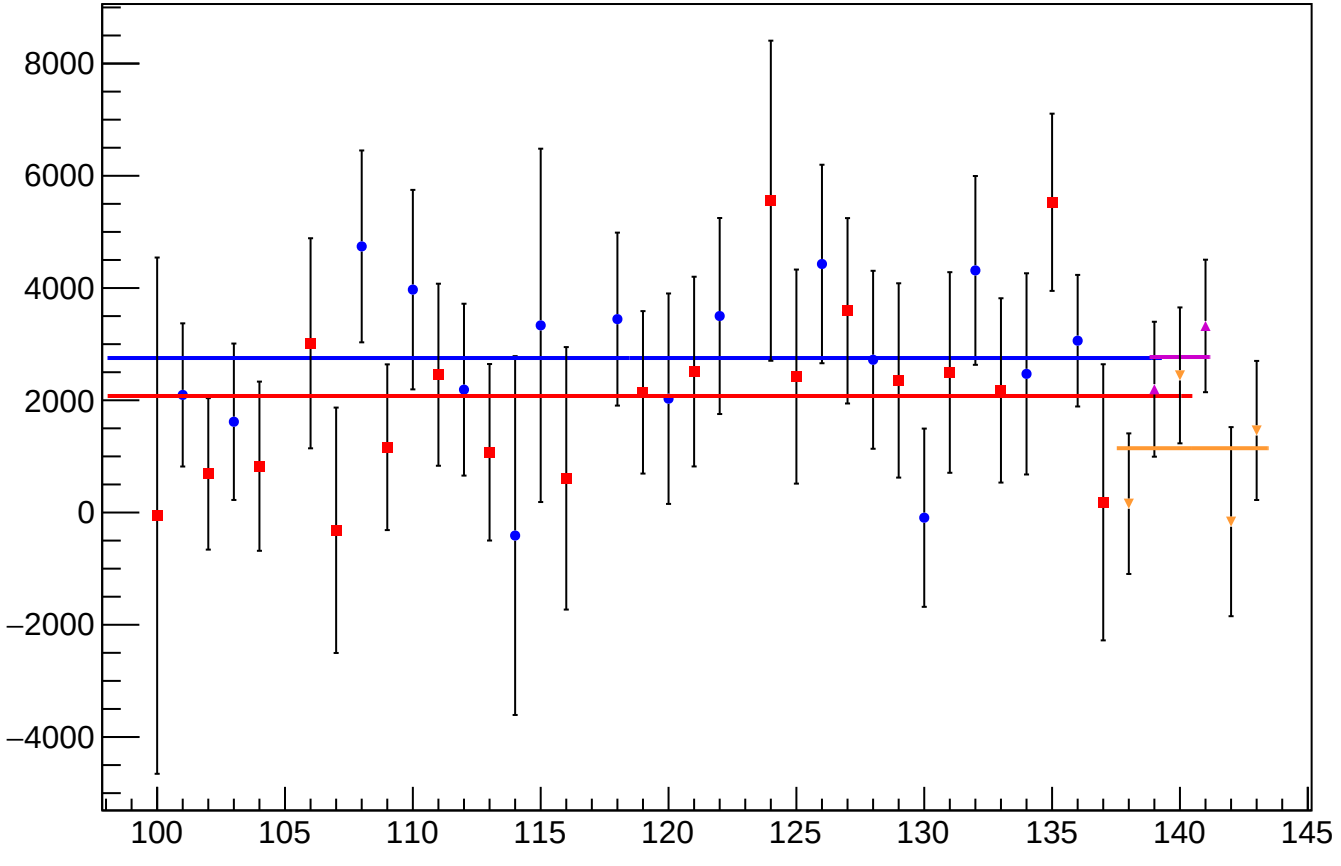
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 35.564+/-0.009 χ^2/NDF:799664.2/17

Out: 35.387+/-0.009 χ^2/NDF:1210228.7/20

All: 35.474+/-0.006 χ^2/NDF: 2010093.0/38

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

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: 1759.615+/-517.596 χ^2/NDF: 5.2/5

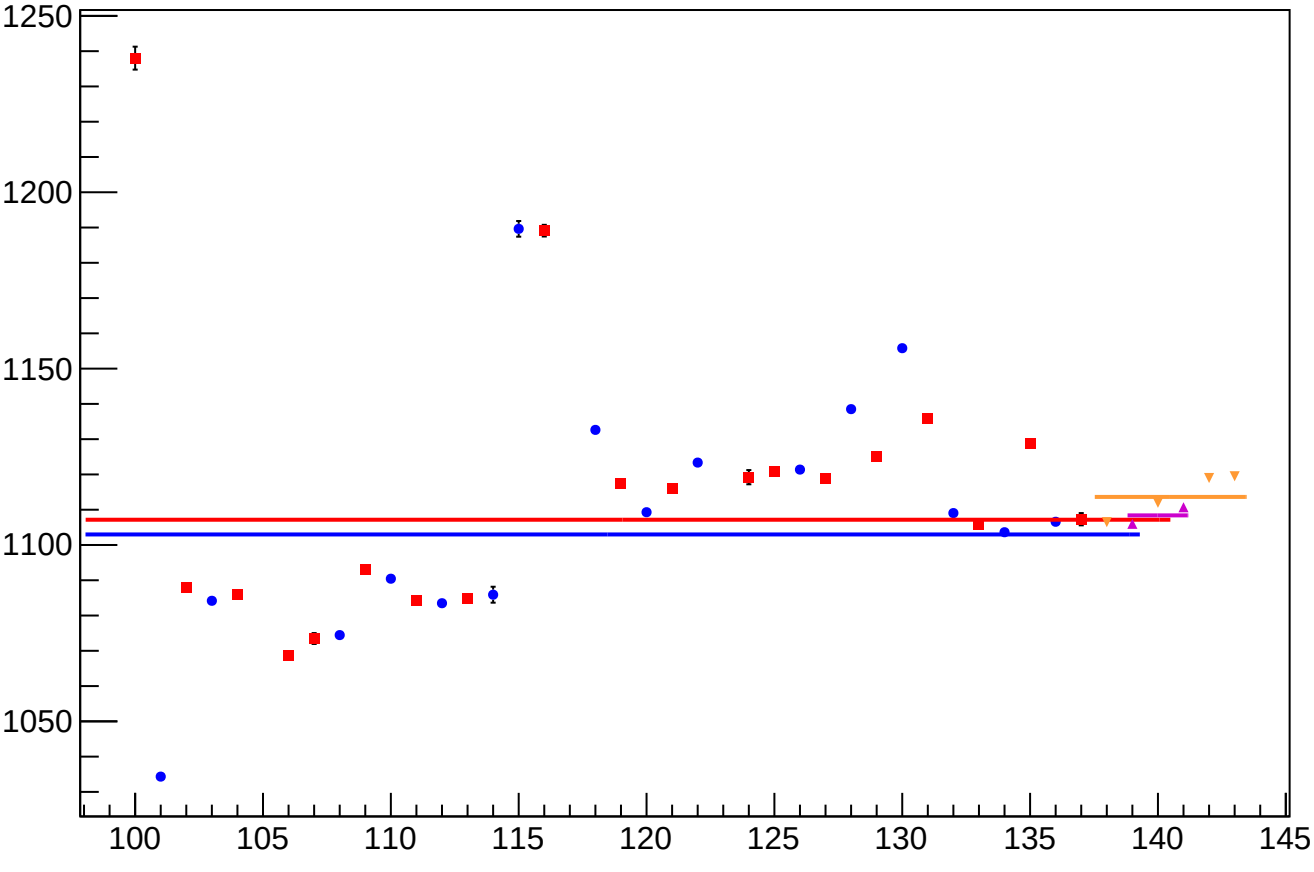
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2756.549+/-368.528 χ^2/NDF:10.0/17

Out: 1820.838+/-343.884 χ^2/NDF:16.4/22

All: 2256.364+/-251.424 χ^2/NDF: 29.8/40

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

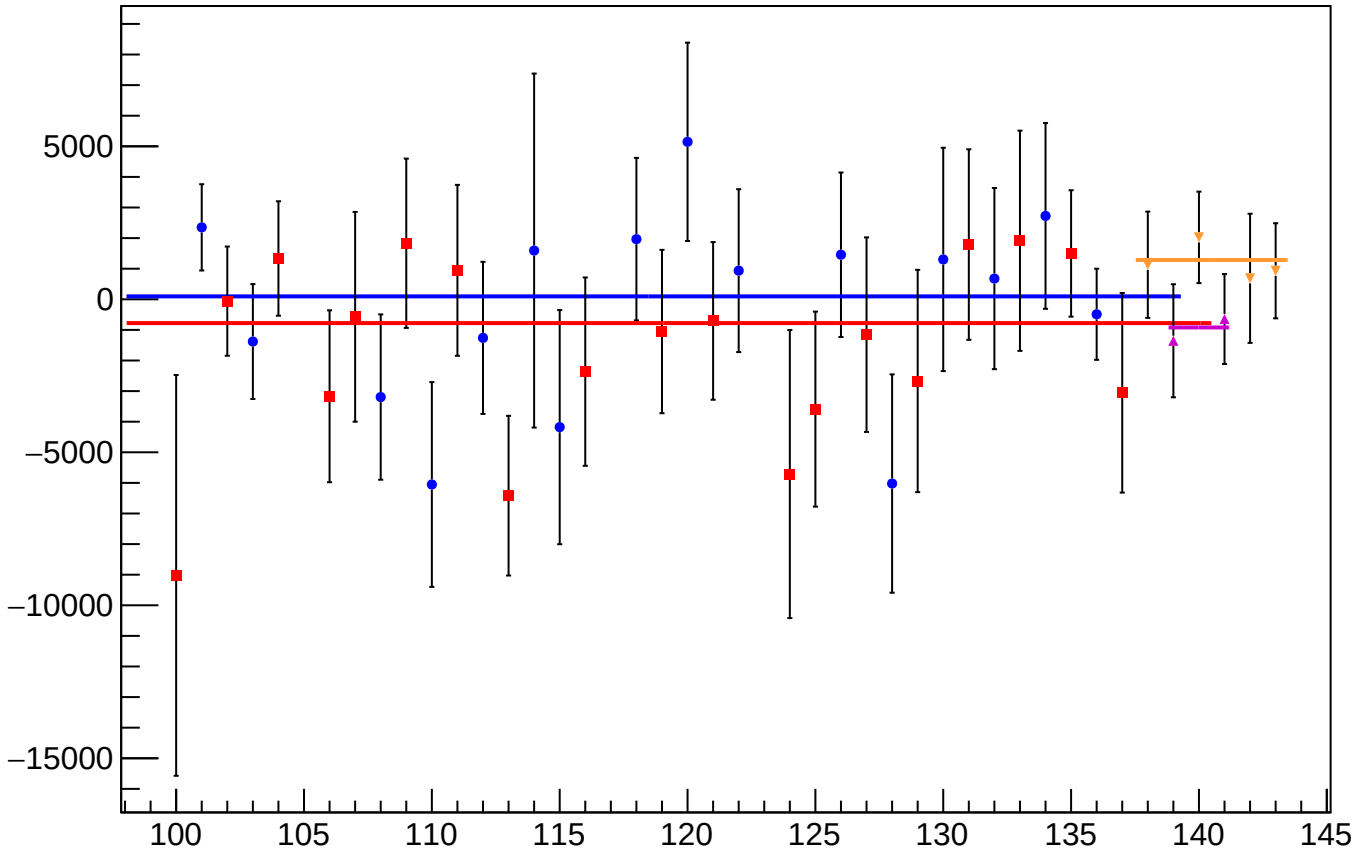
Left: 1111.652+/-0.366 χ^2/NDF: 197.5/5

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.023+/-0.261 χ^2/NDF:13305.9/17

Out: 1108.936+/-0.243 χ^2/NDF:8958.3/22

All: 1106.649+/-0.178 χ^2/NDF: 22454.3/40



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -919.839+/-1149.918 χ^2/NDF:0.1/1

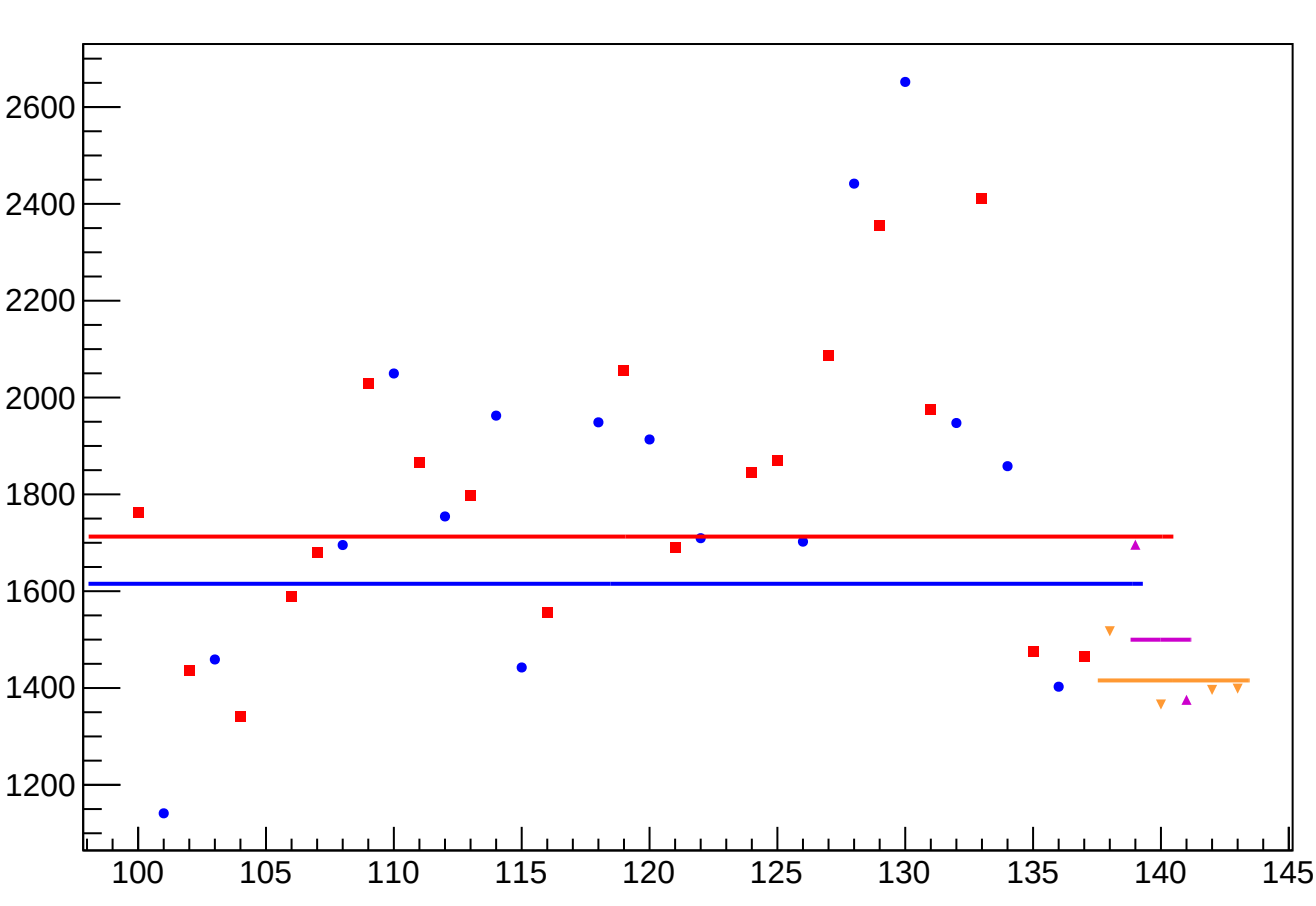
Left: 517.500+/-678.182 χ^2/NDF: 2.9/5

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -131.742+/-544.430 χ^2/NDF:17.6/17

Out: -24.281+/-507.496 χ^2/NDF:19.3/22

All: -74.243+/-371.225 χ^2/NDF: 36.9/40



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

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: 1444.929+/-0.480 χ^2/NDF: 53285.5/5

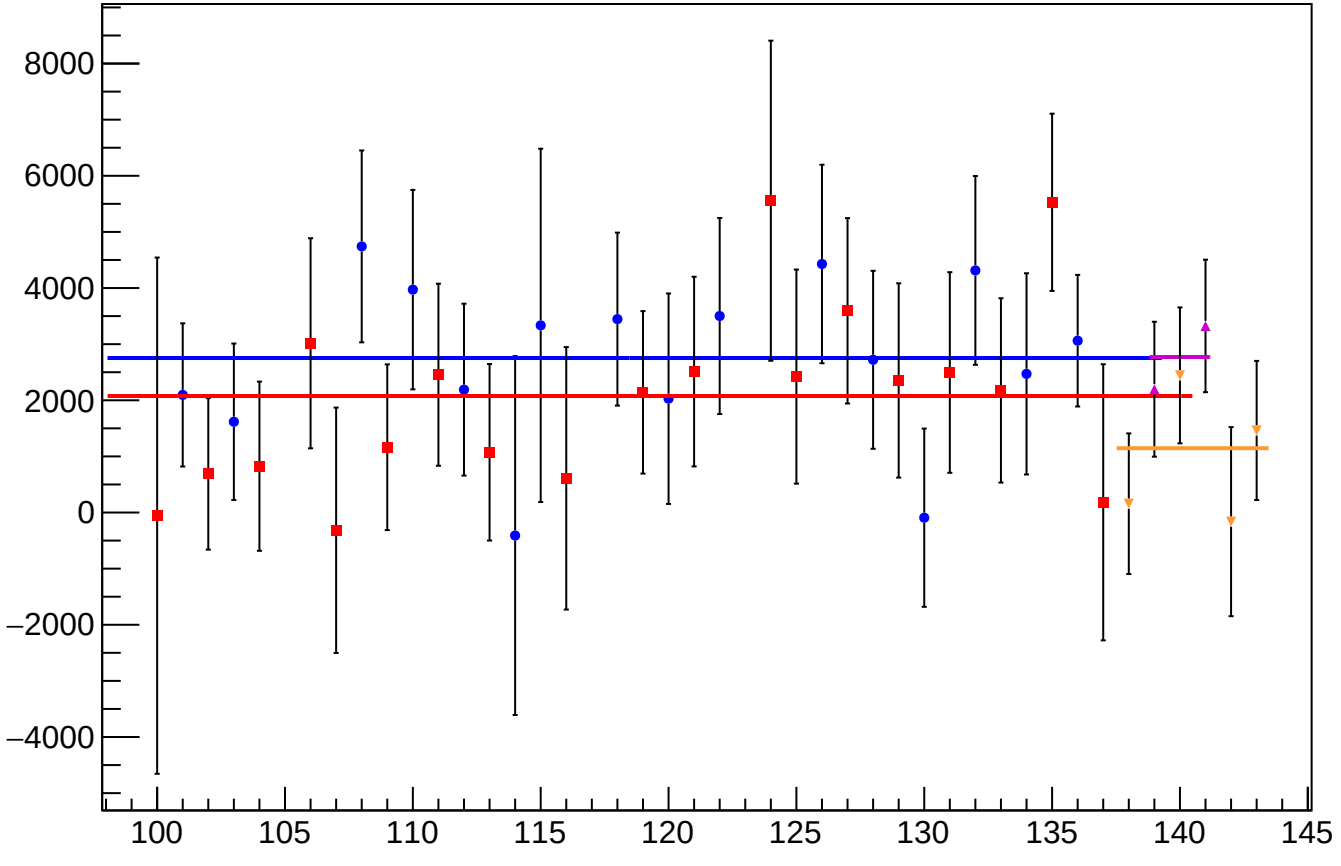
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1589.424+/-0.385 χ^2/NDF:746121.2/17

Out: 1604.281+/-0.359 χ^2/NDF:596478.1/22

All: 1597.374+/-0.262 χ^2/NDF: 1343396.2/40

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

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: 1759.615+/-517.596 χ^2/NDF: 5.2/5

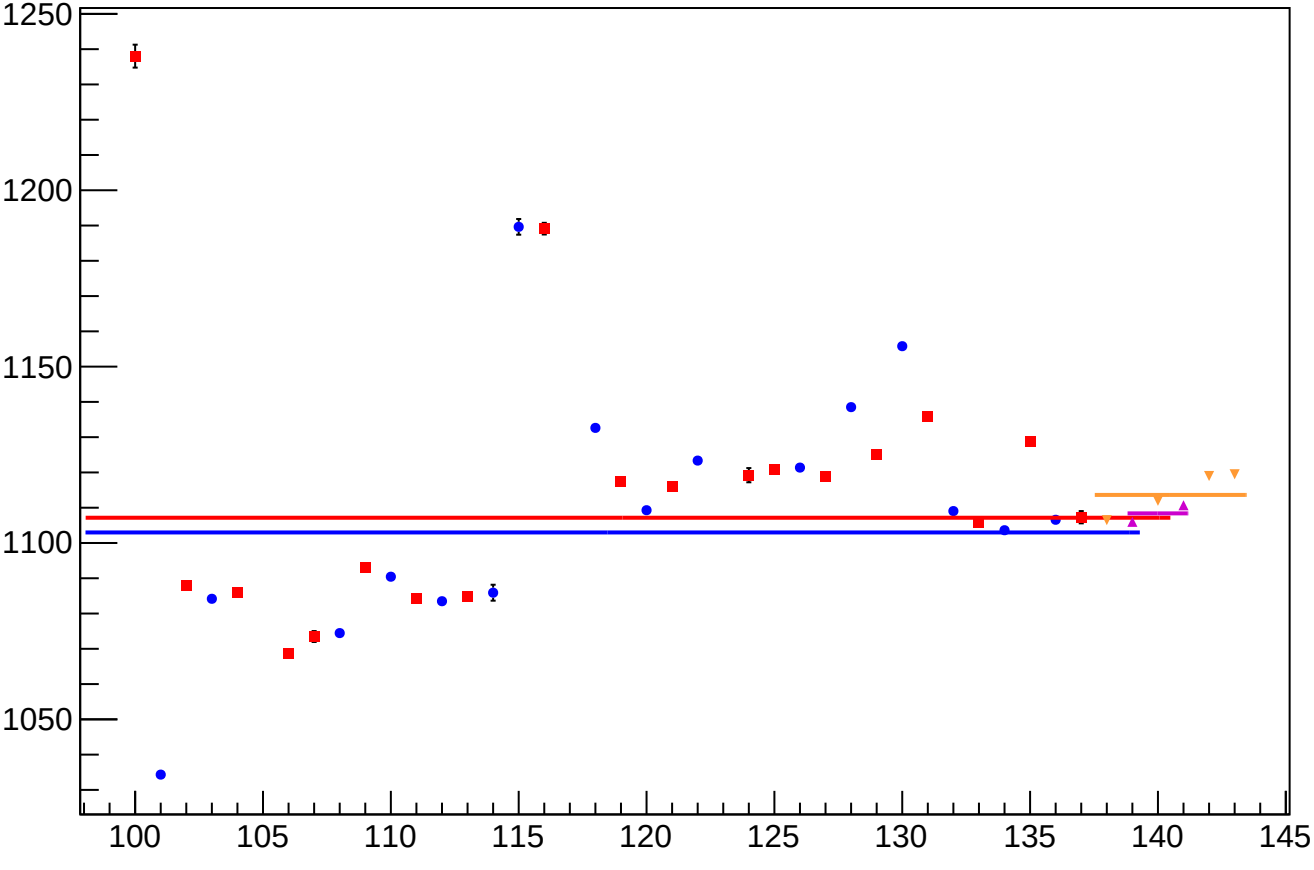
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2756.549+/-368.528 χ^2/NDF:10.0/17

Out: 1820.838+/-343.884 χ^2/NDF:16.4/22

All: 2256.364+/-251.424 χ^2/NDF: 29.8/40

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

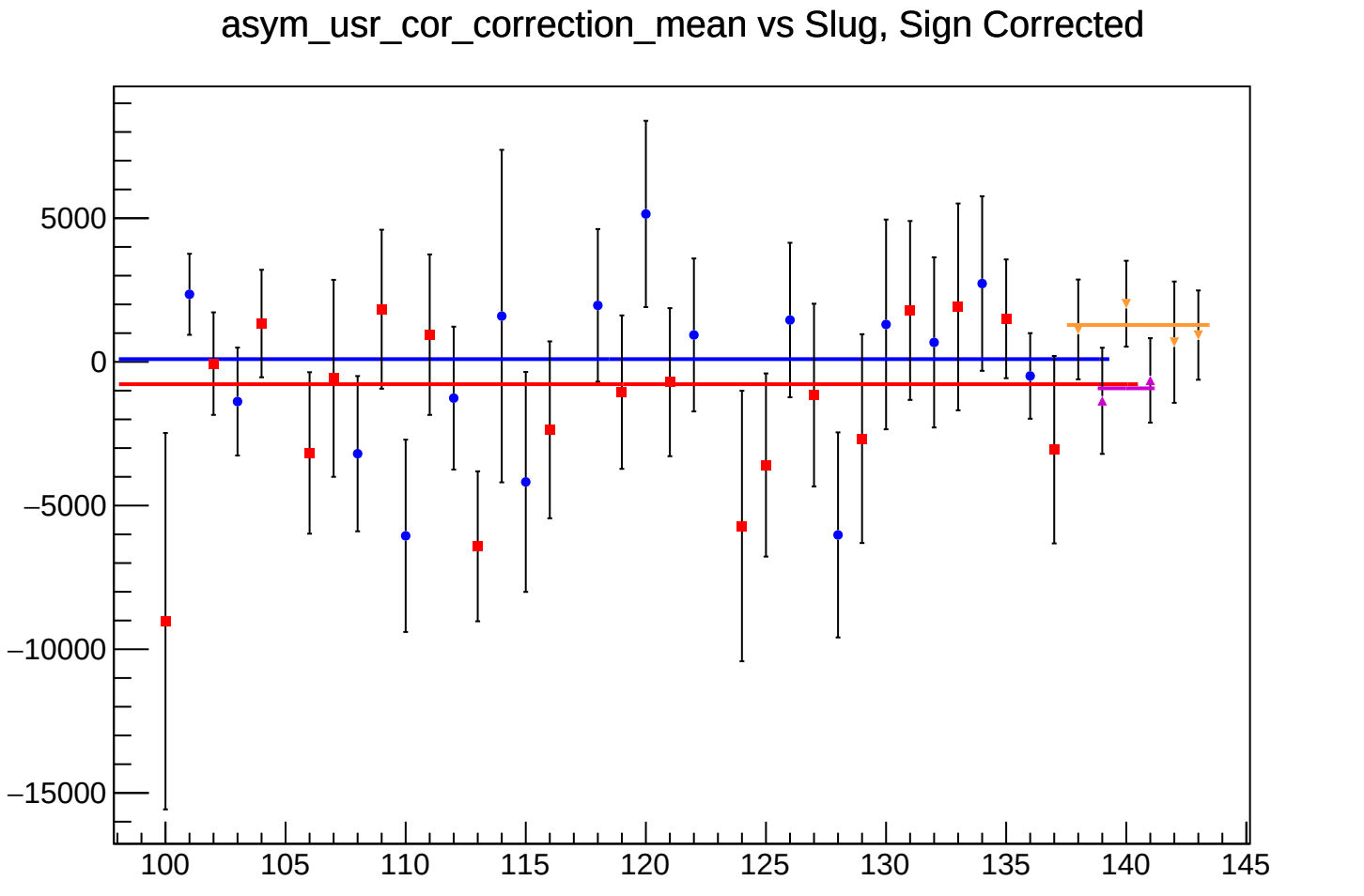
Left: 1111.652+/-0.366 χ^2/NDF: 197.5/5

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.023+/-0.261 χ^2/NDF:13305.9/17

Out: 1108.936+/-0.243 χ^2/NDF:8958.3/22

All: 1106.649+/-0.178 χ^2/NDF: 22454.3/40



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -919.839+/-1149.918 χ^2/NDF:0.1/1

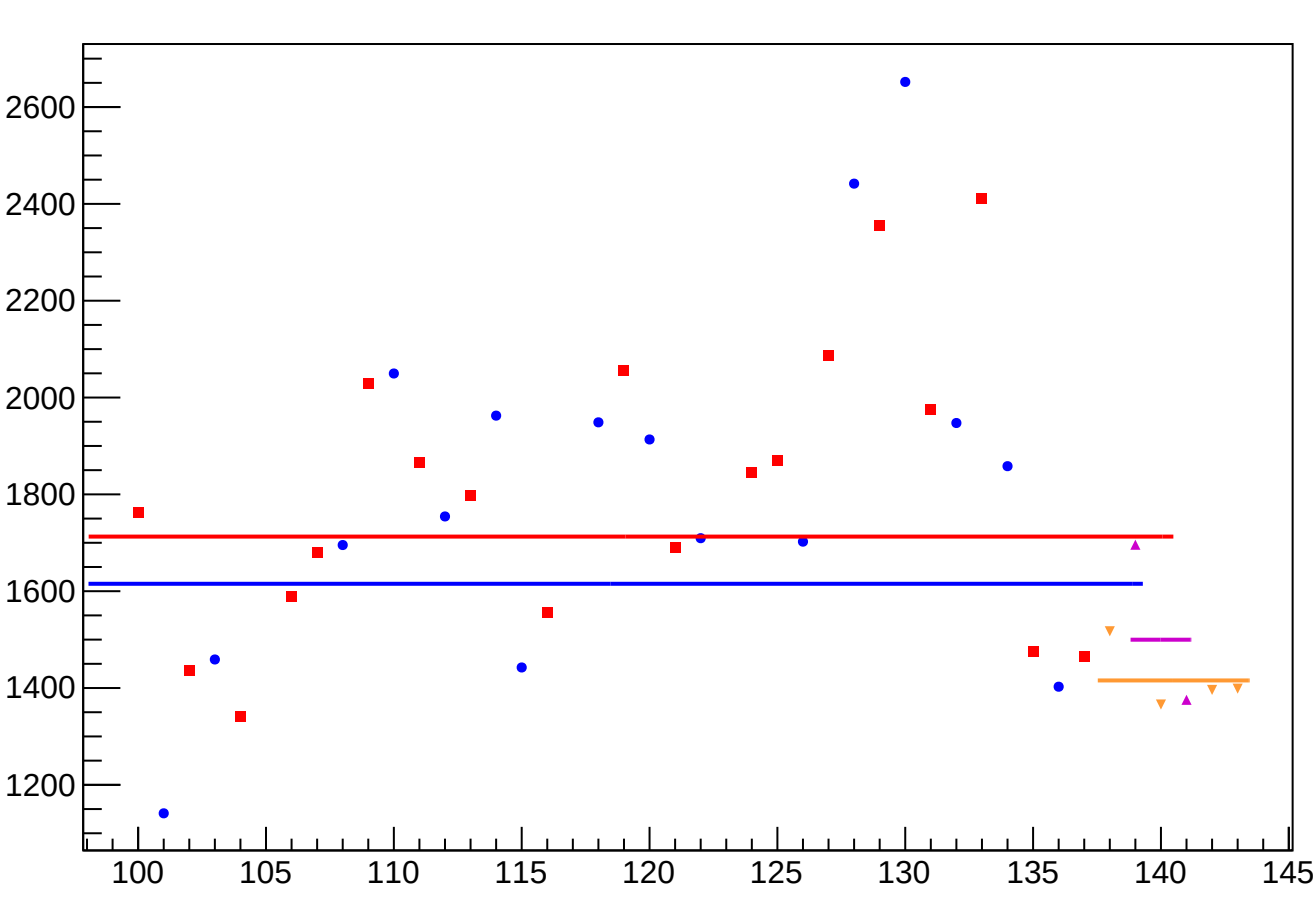
Left: 517.500+/-678.182 χ^2/NDF: 2.9/5

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -131.742+/-544.430 χ^2/NDF:17.6/17

Out: -24.281+/-507.496 χ^2/NDF:19.3/22

All: -74.243+/-371.225 χ^2/NDF: 36.9/40



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

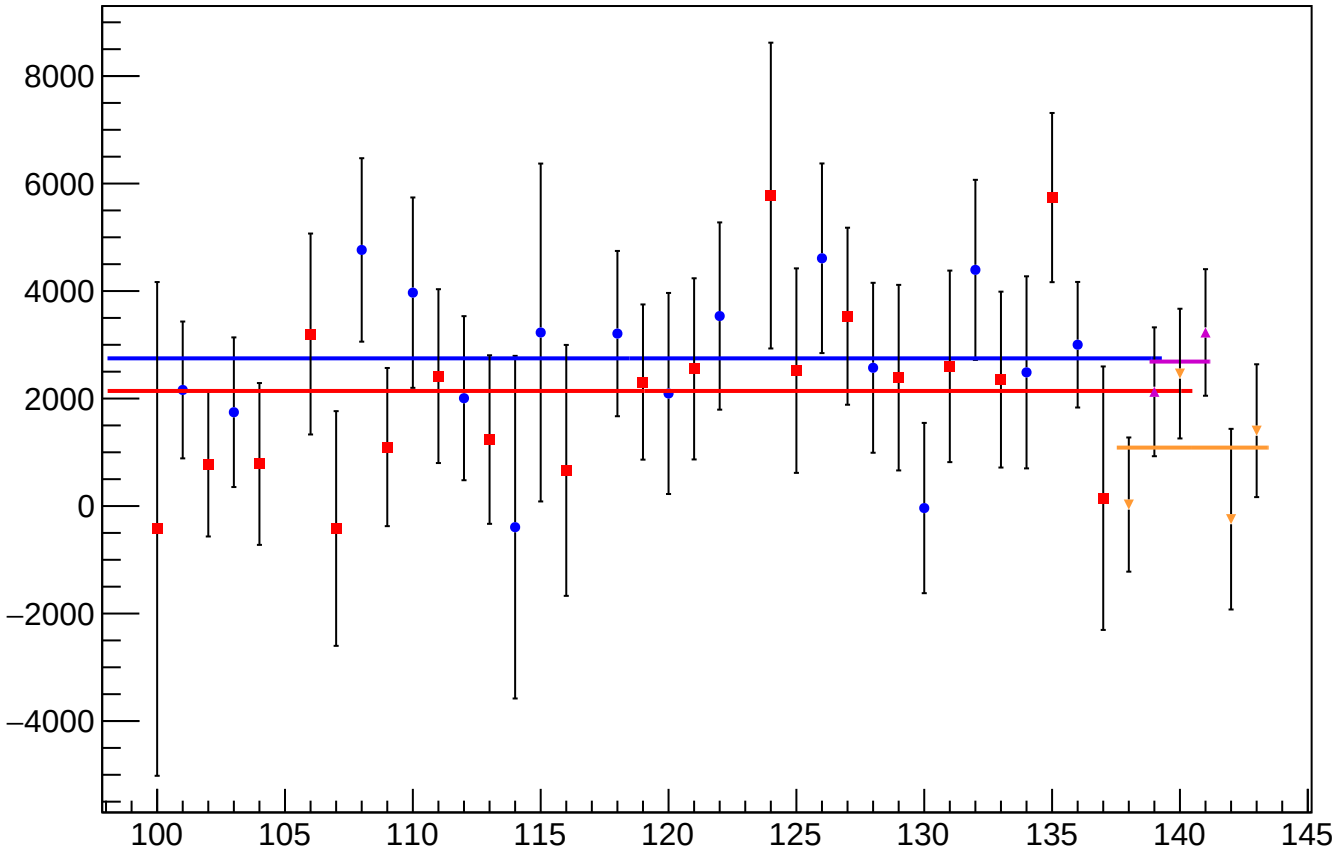
Left: 1444.929+/-0.480 χ^2/NDF: 53285.5/5

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1589.424+/-0.385 χ^2/NDF:746121.2/17

Out: 1604.281+/-0.359 χ^2/NDF:596478.1/22

All: 1597.374+/-0.262 χ^2/NDF: 1343396.2/40



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1087.389+/-654.059 χ^2/NDF:2.7/3

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: 1691.348+/-516.080 χ^2/NDF: 5.4/5

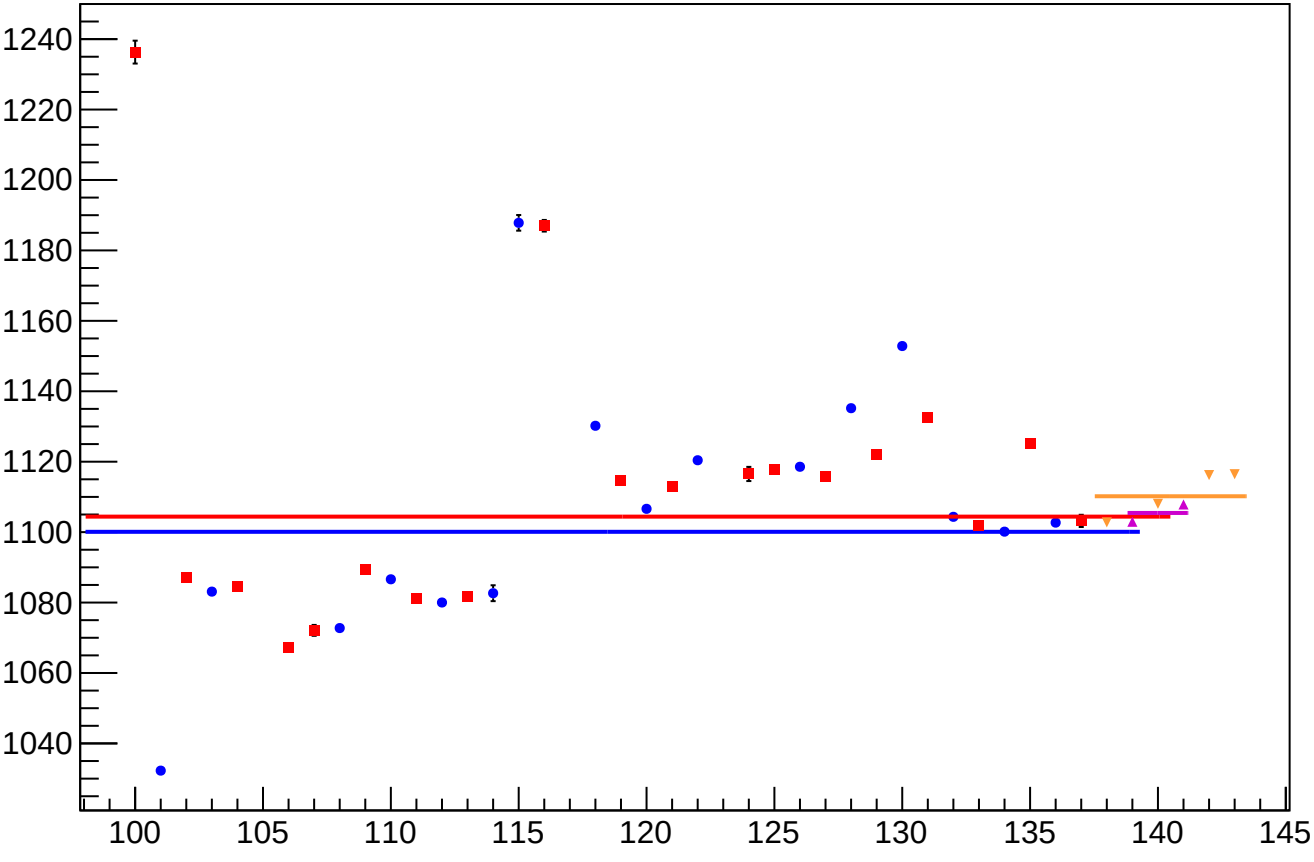
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2736.398+/-367.557 χ^2/NDF:9.9/17

Out: 1851.416+/-342.970 χ^2/NDF:18.1/22

All: 2263.320+/-250.758 χ^2/NDF: 31.2/40

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1110.186+/-0.462 χ^2/NDF:153.7/3

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1105.443+/-0.594 χ^2/NDF:17.0/1

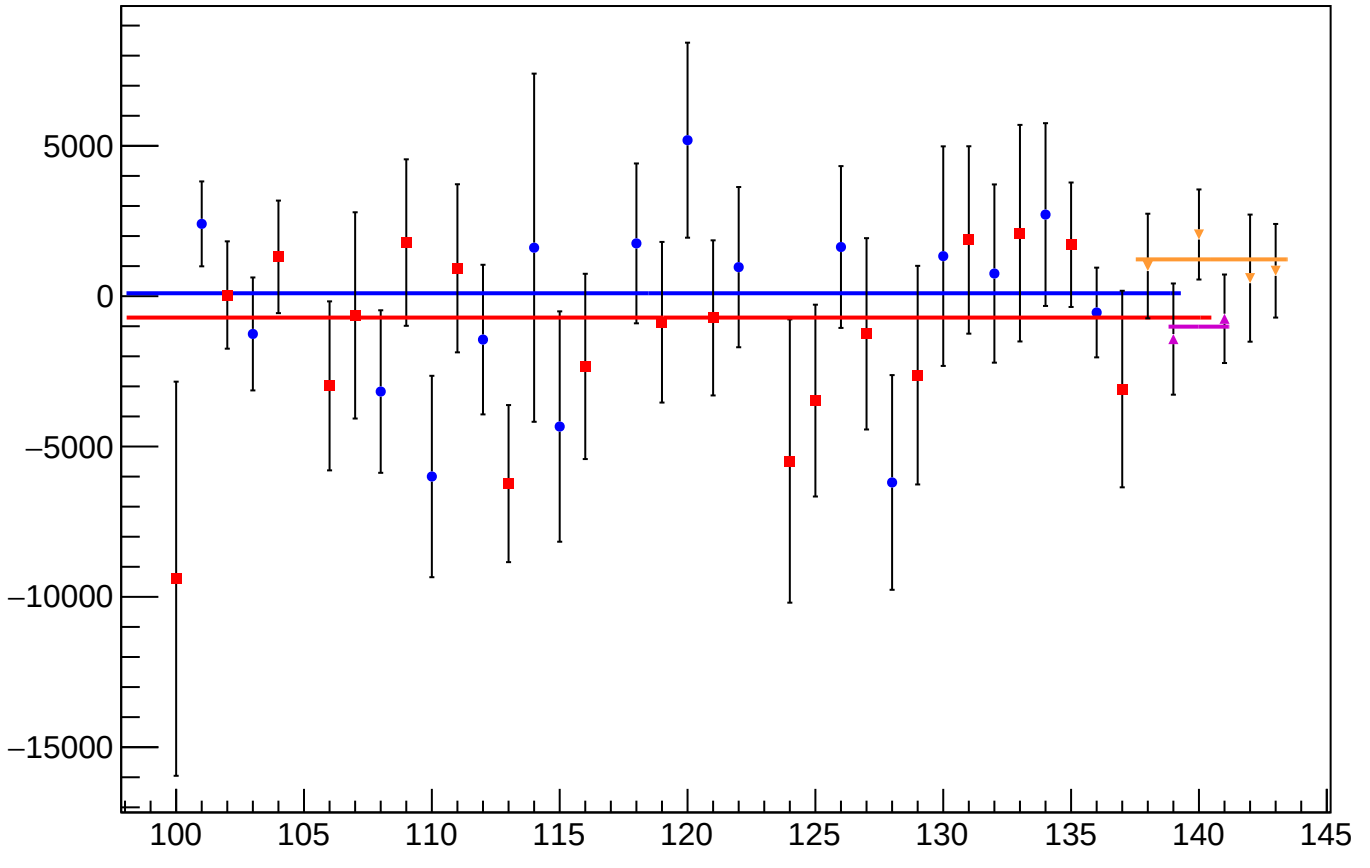
Left: 1108.396+/-0.365 χ^2/NDF: 210.5/5

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1101.115+/-0.260 χ^2/NDF:13159.8/17

Out: 1105.993+/-0.243 χ^2/NDF:8810.6/22

All: 1103.723+/-0.177 χ^2/NDF: 22158.8/40



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1224.047+/-841.378 χ^2/NDF:0.5/3

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -1013.120+/-1151.594 χ^2/NDF:0.1/1

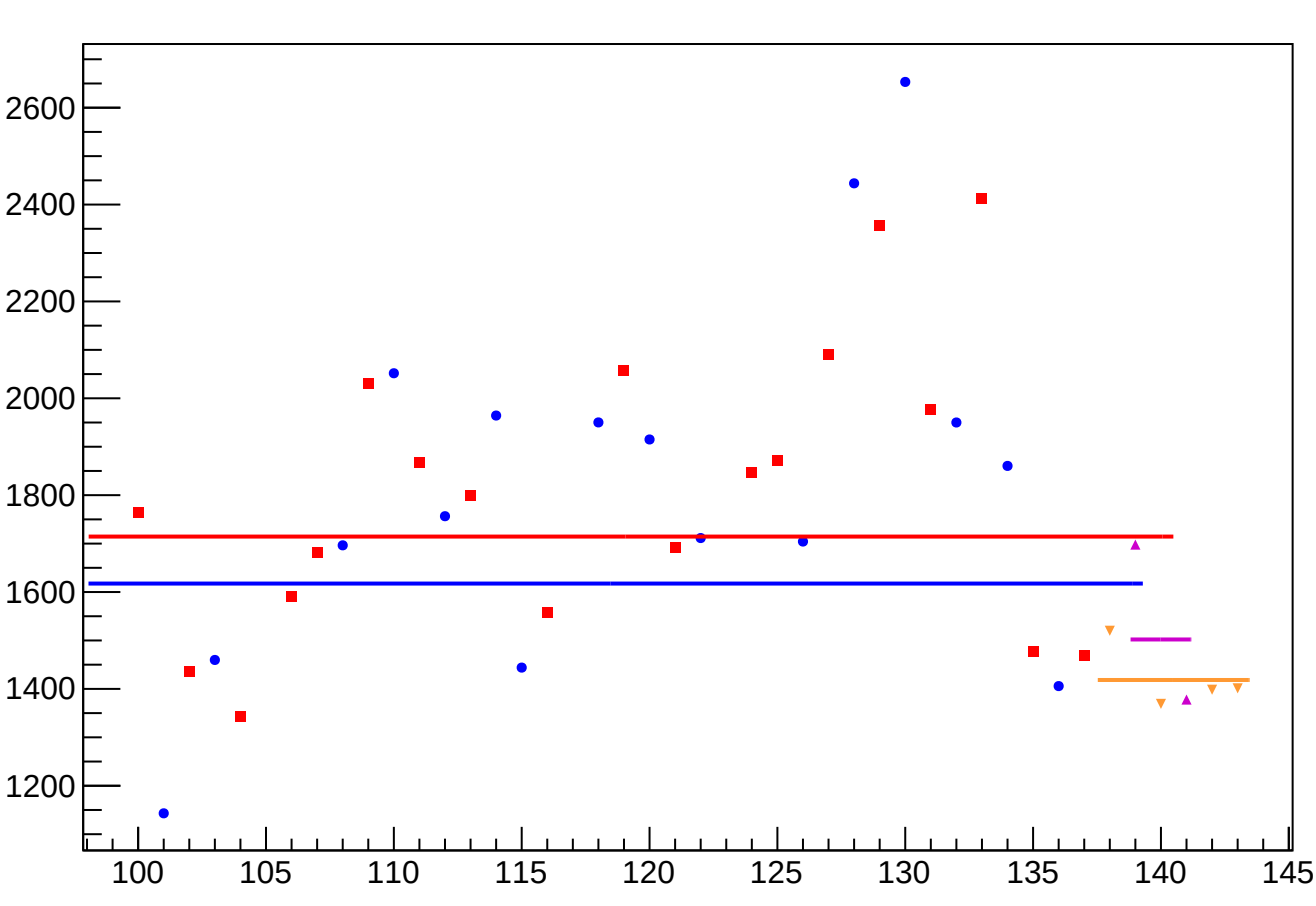
Left: 445.452+/-679.369 χ^2/NDF: 3.0/5

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -151.428+/-545.142 χ^2/NDF:18.0/17

Out: -5.326+/-508.163 χ^2/NDF:18.8/22

All: -73.254+/-371.712 χ^2/NDF: 36.8/40



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1418.405+/-0.595 χ^2/NDF:9424.0/3

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1502.048+/-0.814 χ^2/NDF:36648.5/1

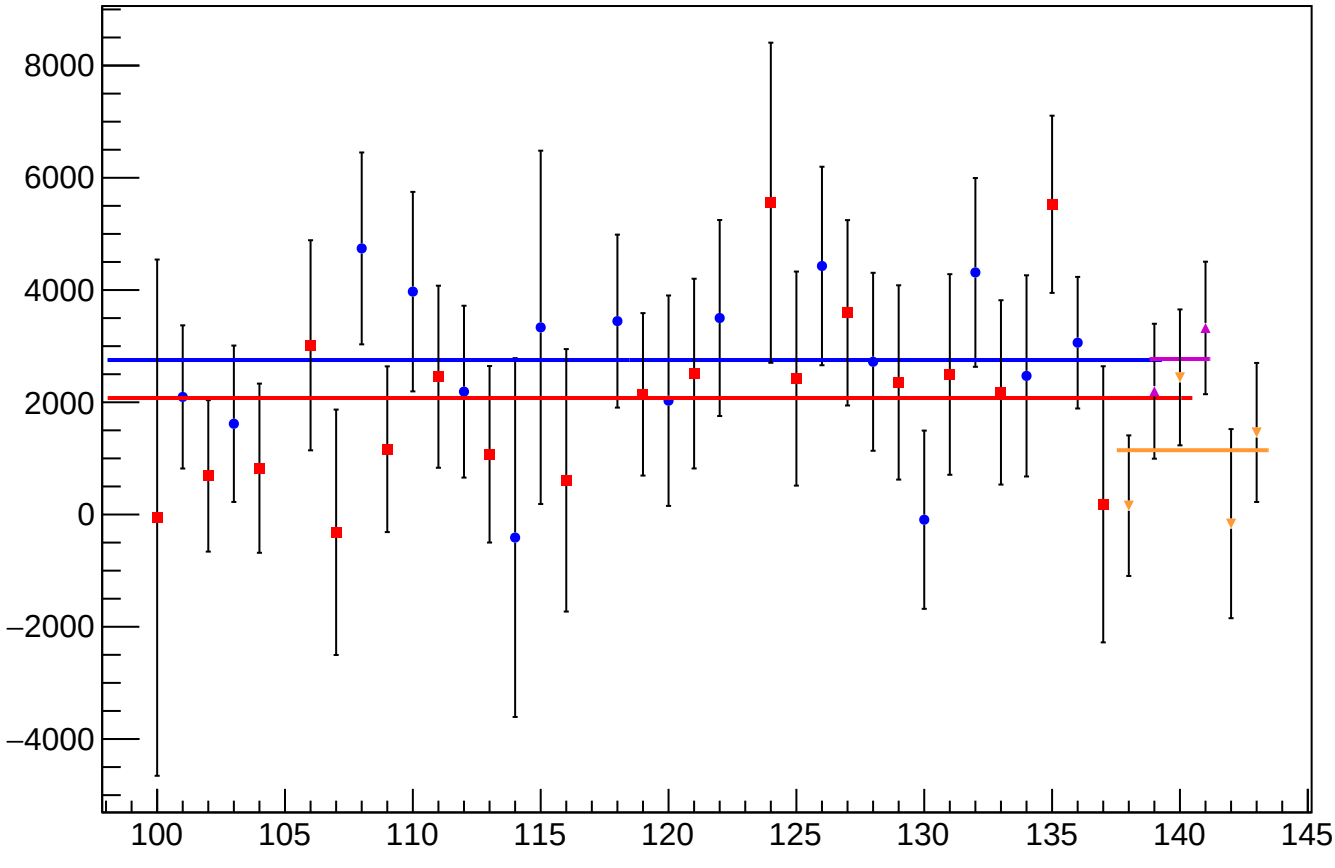
Left: 1447.515+/-0.480 χ^2/NDF: 52951.3/5

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1591.621+/-0.385 χ^2/NDF:743968.5/17

Out: 1606.497+/-0.359 χ^2/NDF:594481.3/22

All: 1599.581+/-0.263 χ^2/NDF: 1339246.7/40



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1145.974+/-656.087 χ^2/NDF:2.4/3

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: 1759.615+/-517.596 χ^2/NDF: 5.2/5

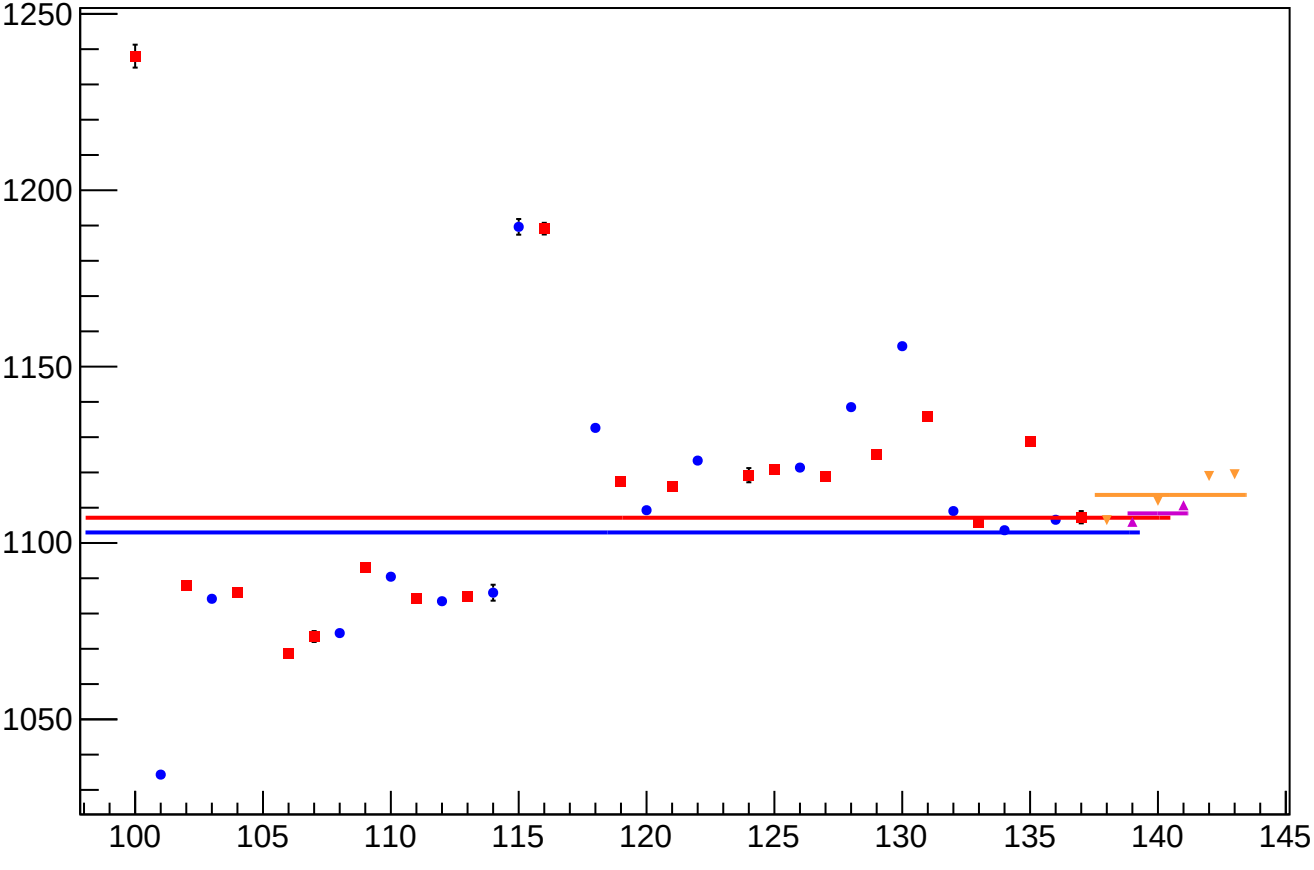
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2756.549+/-368.528 χ^2/NDF:10.0/17

Out: 1820.838+/-343.884 χ^2/NDF:16.4/22

All: 2256.364+/-251.424 χ^2/NDF: 29.8/40

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1113.628+/-0.464 χ^2/NDF:134.0/3

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.394+/-0.596 χ^2/NDF:15.5/1

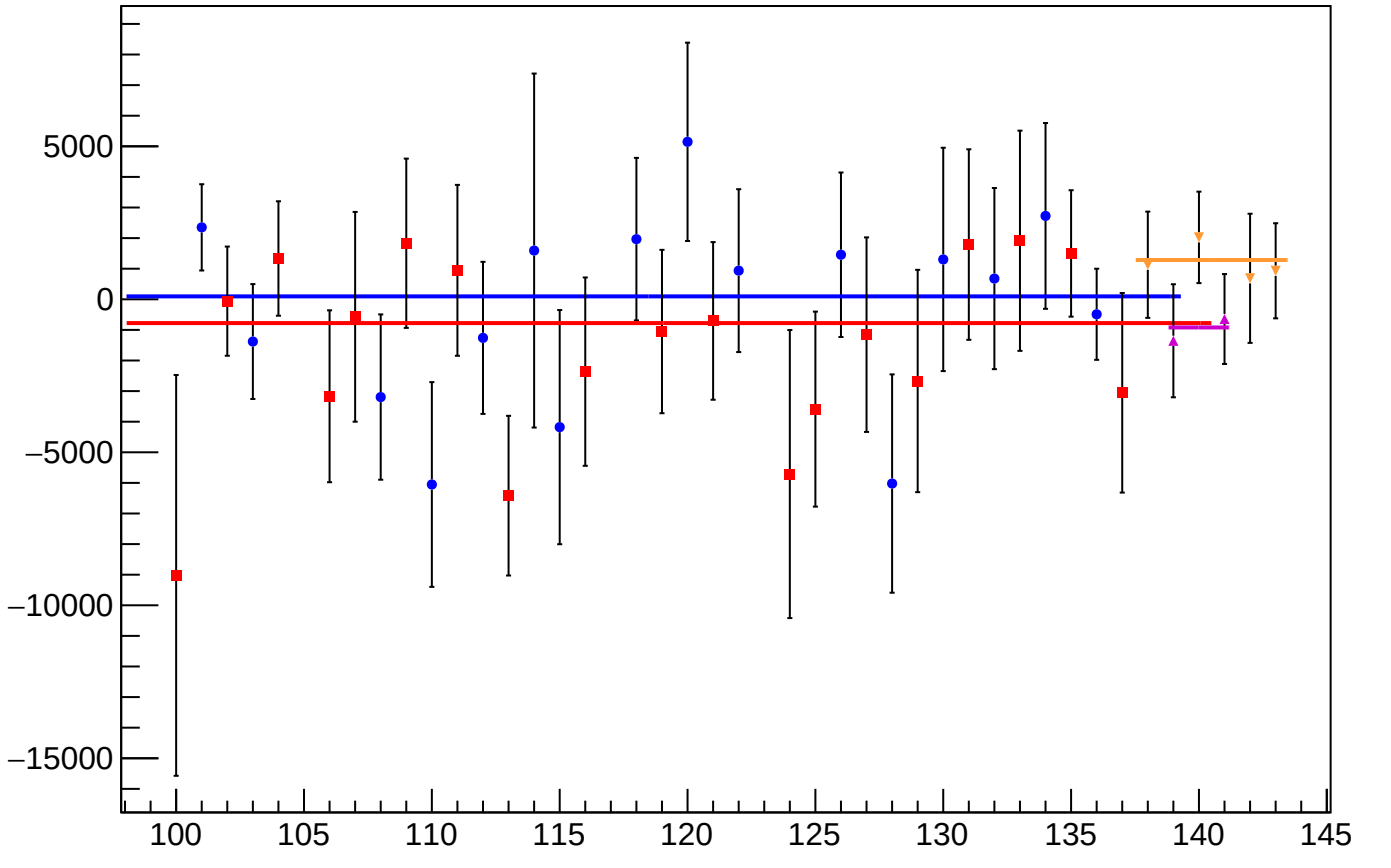
Left: 1111.652+/-0.366 χ^2/NDF: 197.5/5

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.023+/-0.261 χ^2/NDF:13305.9/17

Out: 1108.936+/-0.243 χ^2/NDF:8958.3/22

All: 1106.649+/-0.178 χ^2/NDF: 22454.3/40



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1284.071+/-839.776 χ^2/NDF:0.4/3

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -919.839+/-1149.918 χ^2/NDF:0.1/1

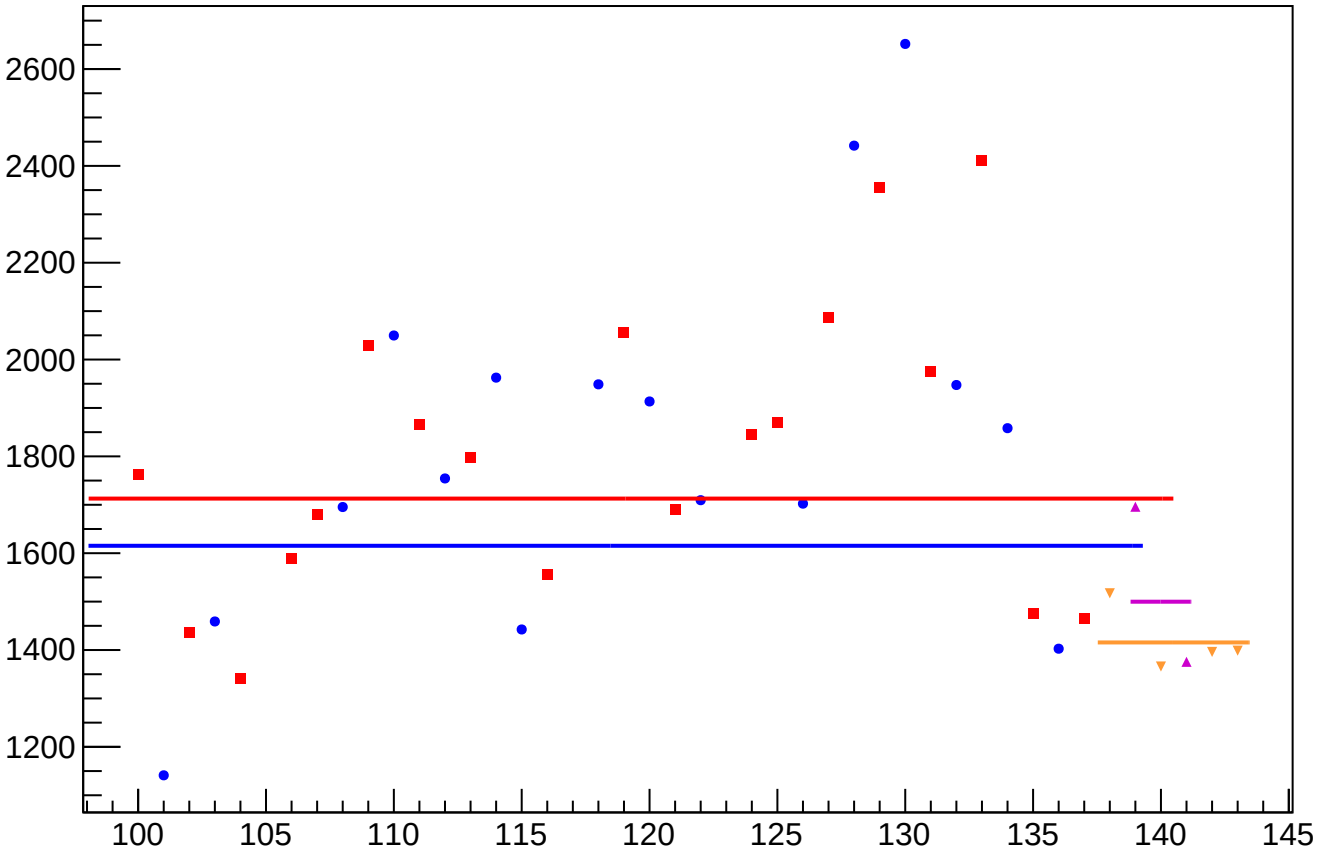
Left: 517.500+/-678.182 χ^2/NDF: 2.9/5

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: -131.742+/-544.430 χ^2/NDF:17.6/17

Out: -24.281+/-507.496 χ^2/NDF:19.3/22

All: -74.243+/-371.225 χ^2/NDF: 36.9/40



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1415.659+/-0.594 χ^2/NDF:9465.1/3

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1499.810+/-0.813 χ^2/NDF:36835.3/1

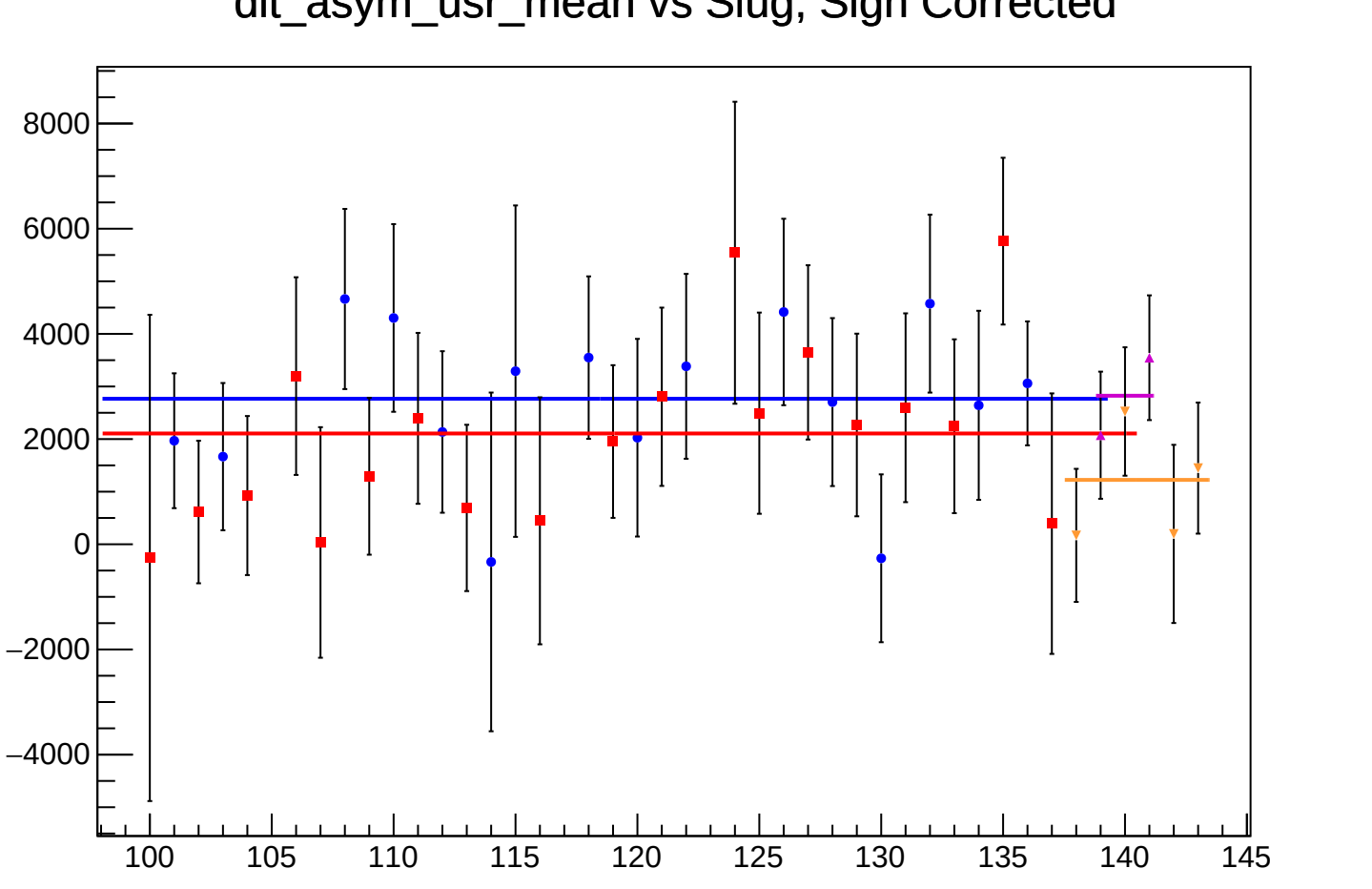
Left: 1444.929+/-0.480 χ^2/NDF: 53285.5/5

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

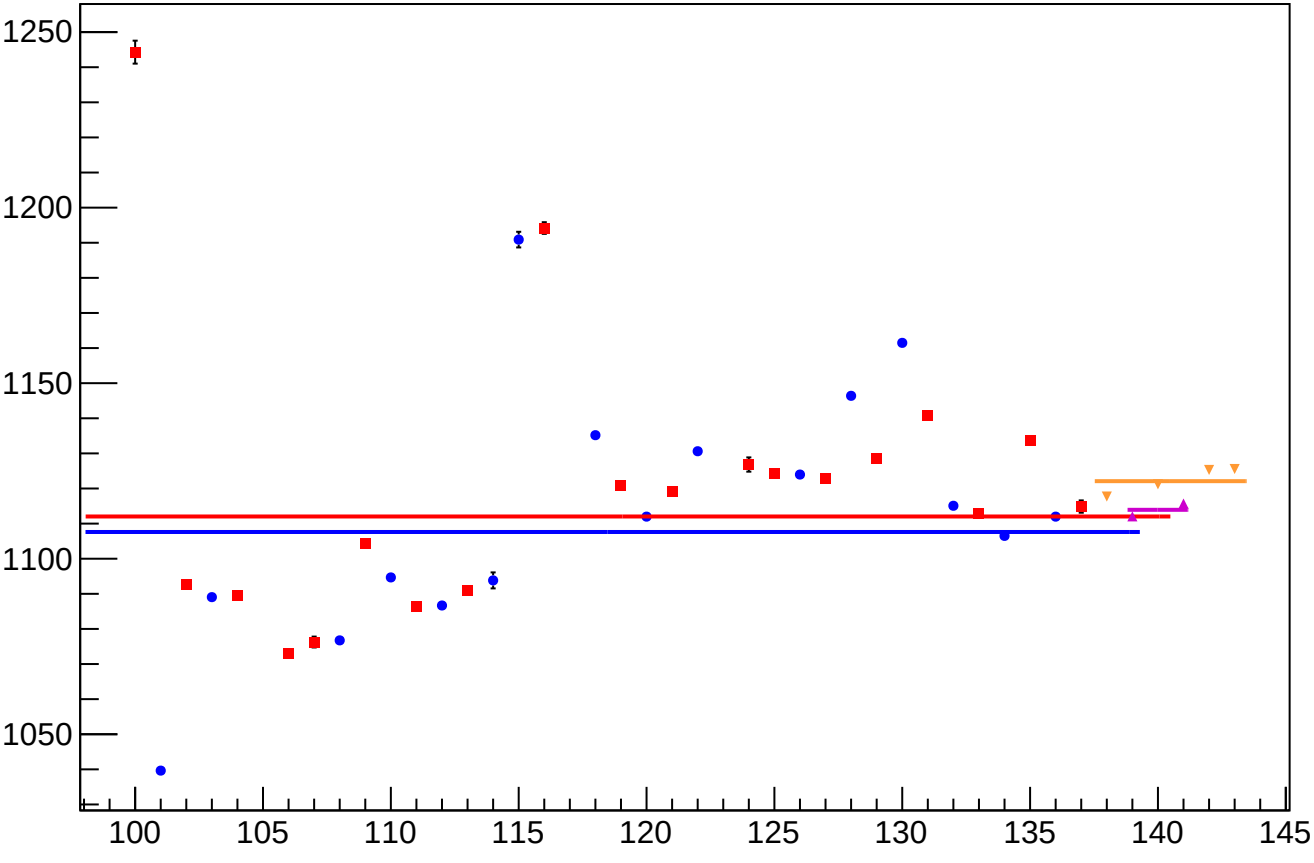
In: 1589.424+/-0.385 χ^2/NDF:746121.2/17

Out: 1604.281+/-0.359 χ^2/NDF:596478.1/22

All: 1597.374+/-0.262 χ^2/NDF: 1343396.2/40


dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
145
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1223.860+/-661.079 χ²/NDF:2.2/3
Right Out: 2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: 2824.237+/-846.546 χ²/NDF:0.8/1
Left: 1830.106+/-521.031 χ²/NDF: 5.2/5
Right: 2431.678+/-288.883 χ²/NDF: 25.0/34
In: 2777.664+/-370.138 χ²/NDF:11.1/17
Out: 1865.020+/-345.708 χ²/NDF:16.9/22
All: 2290.232+/-252.648 χ²/NDF: 31.2/40

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1122.090+/-0.467 χ^2/NDF:47.6/3

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.927+/-0.599 χ^2/NDF:9.3/1

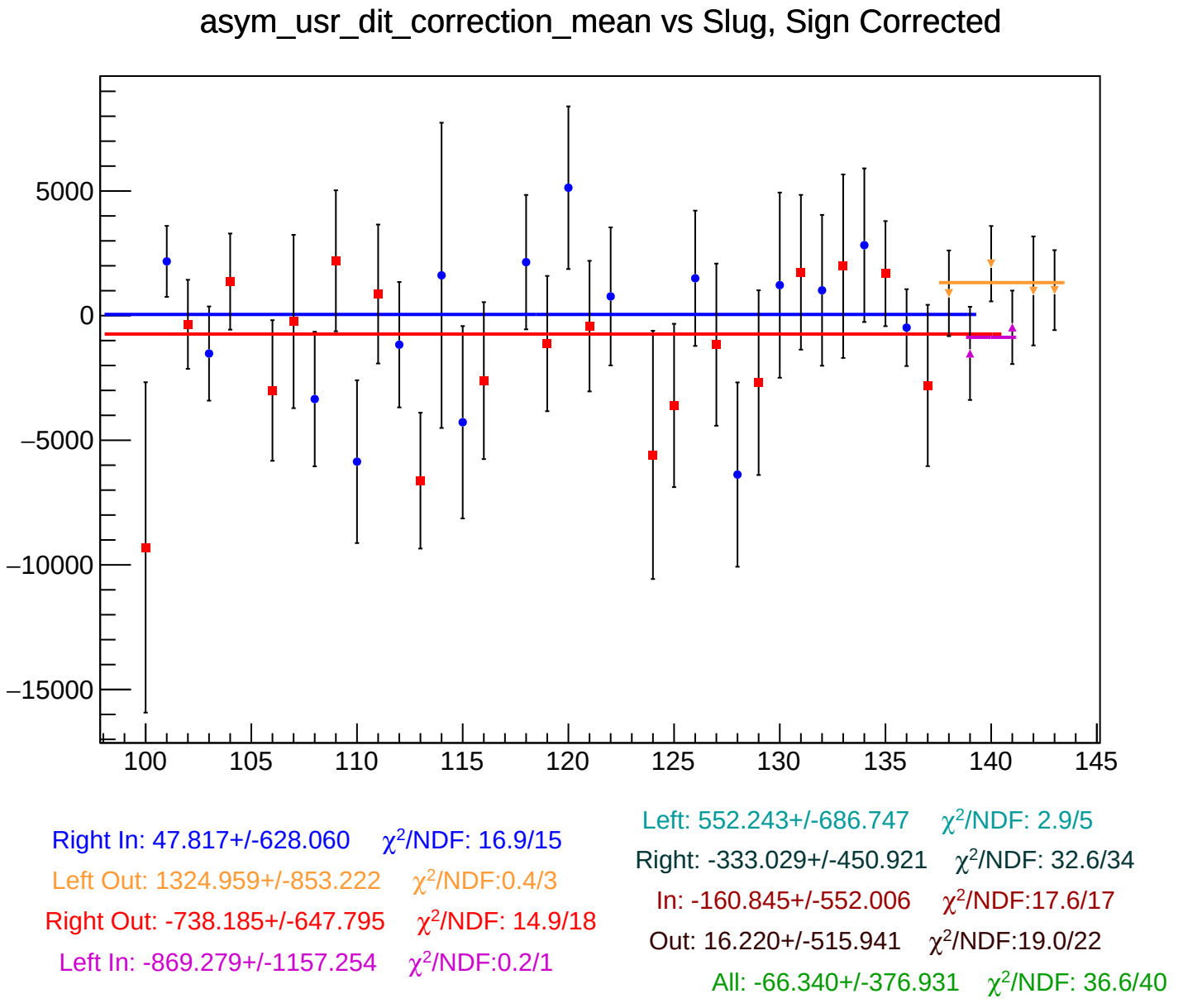
Left: 1118.998+/-0.368 χ^2/NDF: 172.5/5

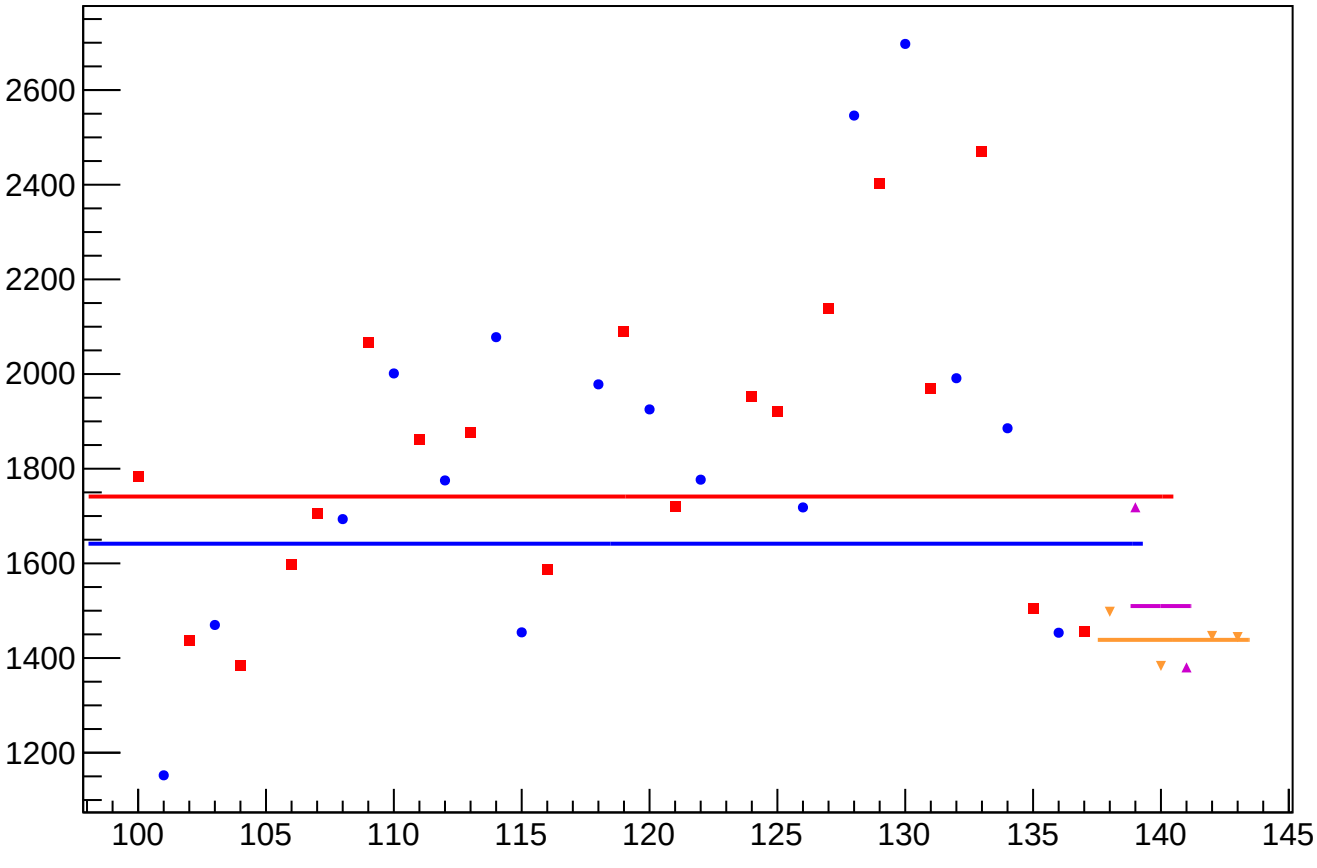
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1108.821+/-0.262 χ^2/NDF:13320.1/17

Out: 1114.781+/-0.244 χ^2/NDF:9037.7/22

All: 1112.004+/-0.179 χ^2/NDF: 22634.7/40


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 1324.959+/-853.222 χ²/NDF:0.4/3
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: -869.279+/-1157.254 χ²/NDF:0.2/1
Left: 552.243+/-686.747 χ²/NDF: 2.9/5
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: -160.845+/-552.006 χ²/NDF:17.6/17
Out: 16.220+/-515.941 χ²/NDF:19.0/22
All: -66.340+/-376.931 χ²/NDF: 36.6/40



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1438.400+/-0.603 χ^2/NDF:5096.5/3

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1509.824+/-0.818 χ^2/NDF:40383.6/1

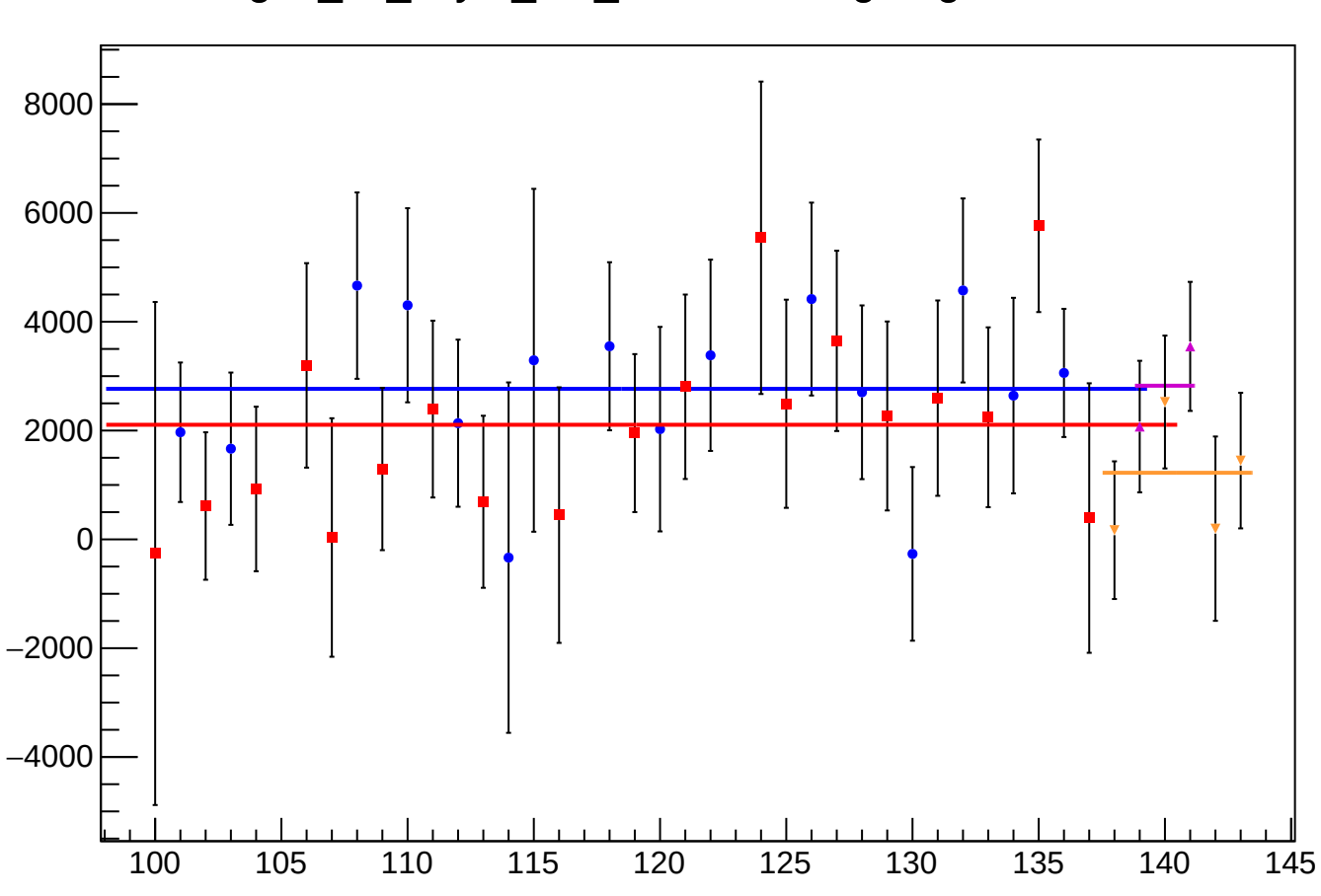
Left: 1463.553+/-0.486 χ^2/NDF: 50415.6/5

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1611.570+/-0.390 χ^2/NDF:761708.3/17

Out: 1630.479+/-0.365 χ^2/NDF:603219.7/22

All: 1621.662+/-0.267 χ^2/NDF: 1366180.6/40



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1223.860+/-661.079 χ^2/NDF:2.2/3

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2824.231+/-846.546 χ^2/NDF:0.8/1

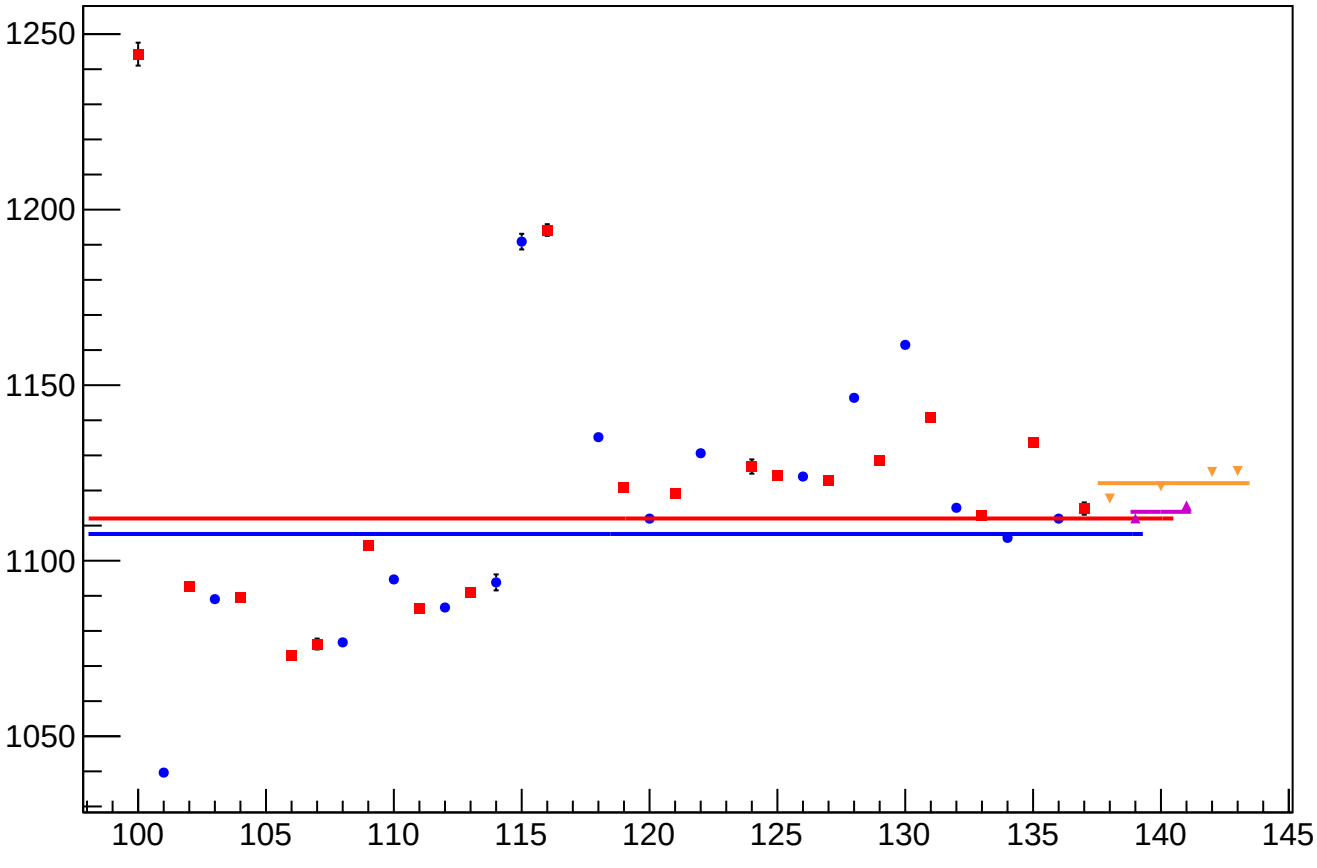
Left: 1830.104+/-521.031 χ^2/NDF: 5.2/5

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2777.663+/-370.138 χ^2/NDF:11.1/17

Out: 1865.022+/-345.708 χ^2/NDF:16.9/22

All: 2290.232+/-252.648 χ^2/NDF: 31.2/40



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1122.090+/-0.467 χ^2/NDF:47.6/3

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.927+/-0.599 χ^2/NDF:9.3/1

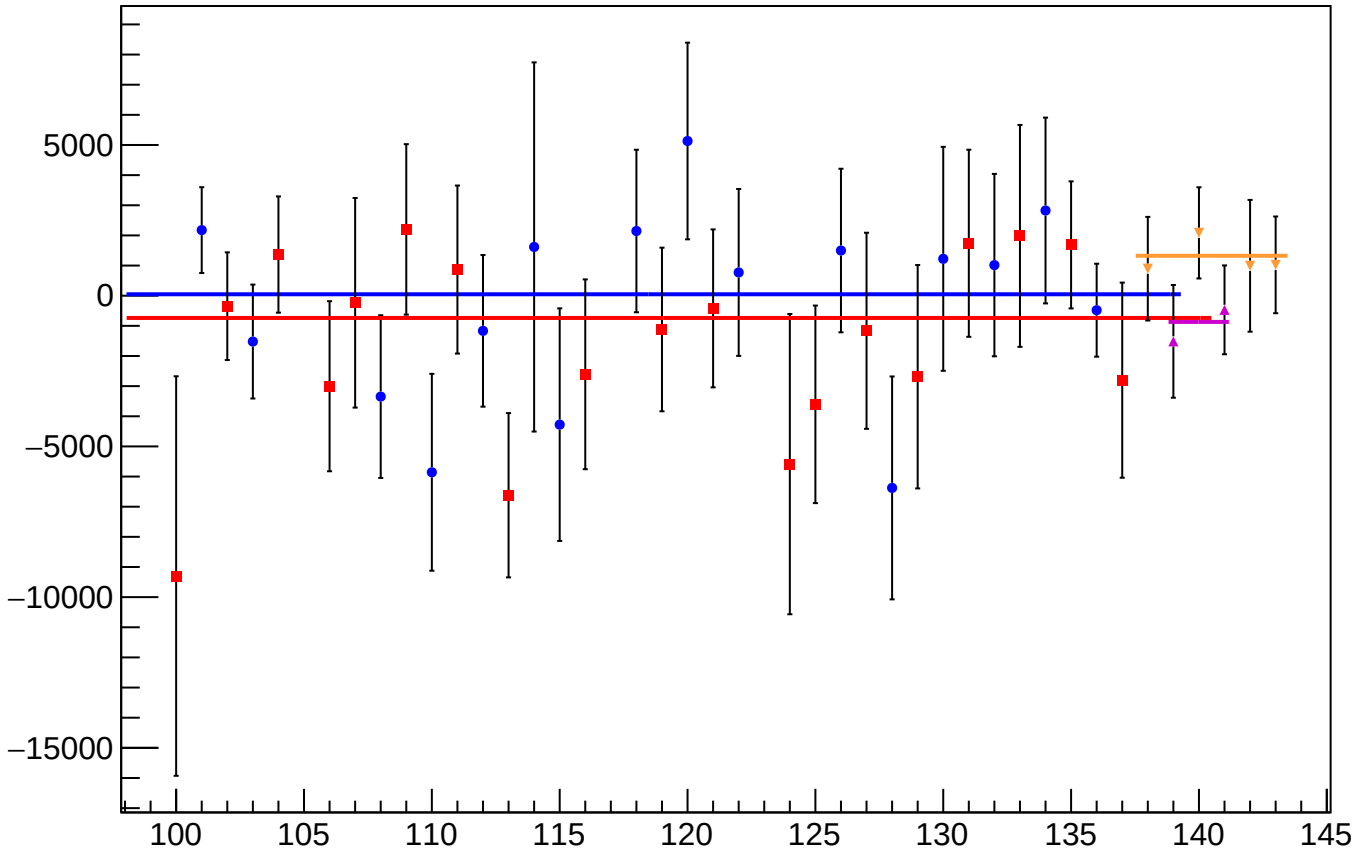
Left: 1118.998+/-0.368 χ^2/NDF: 172.5/5

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1108.820+/-0.262 χ^2/NDF:13320.0/17

Out: 1114.780+/-0.244 χ^2/NDF:9037.7/22

All: 1112.004+/-0.179 χ^2/NDF: 22634.6/40



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1324.961+/-853.225 χ^2/NDF:0.4/3

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -869.282+/-1157.257 χ^2/NDF:0.2/1

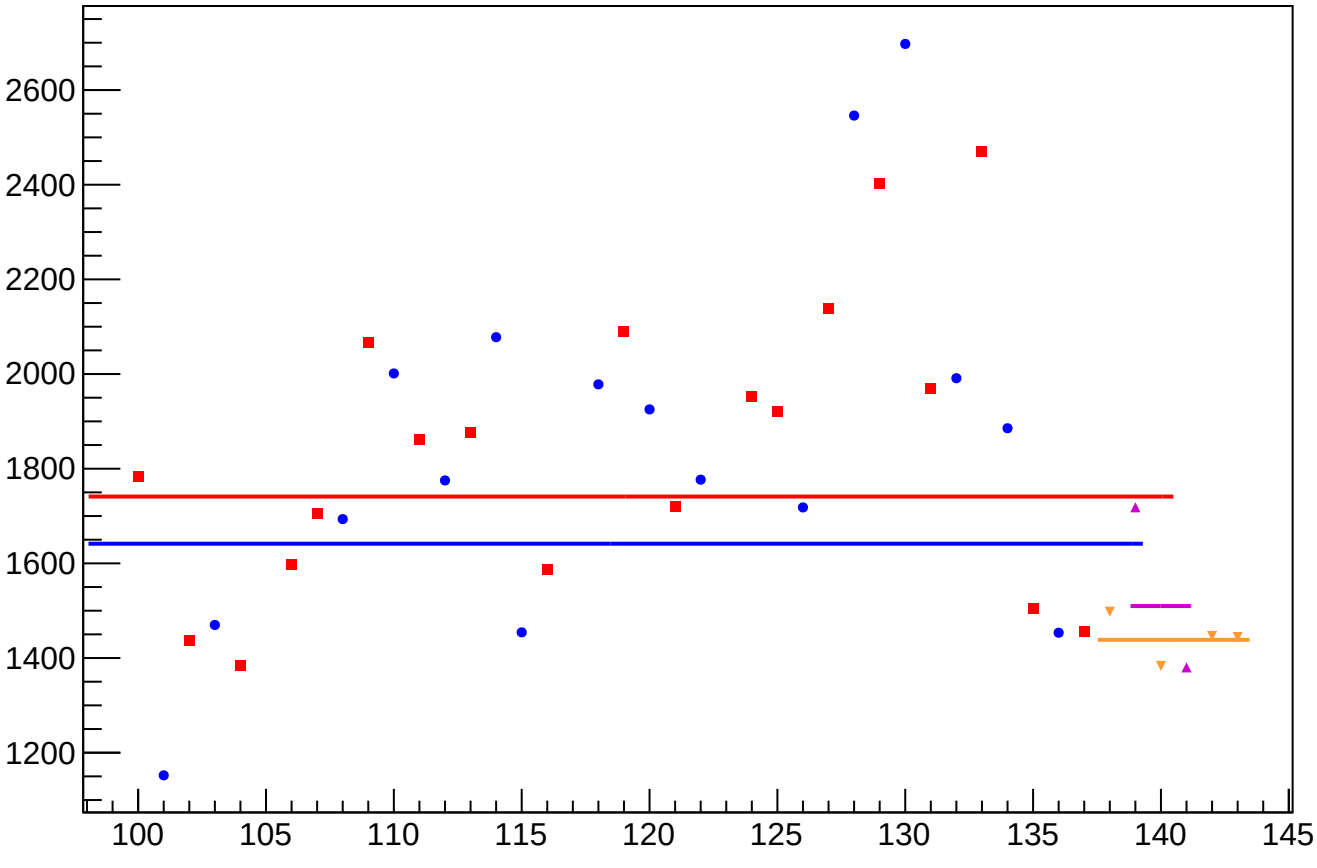
Left: 552.242+/-686.749 χ^2/NDF: 2.9/5

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -160.848+/-552.005 χ^2/NDF:17.6/17

Out: 16.214+/-515.941 χ^2/NDF:19.0/22

All: -66.344+/-376.930 χ^2/NDF: 36.6/40



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1438.404+/-0.603 χ^2/NDF:5096.8/3

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1509.828+/-0.818 χ^2/NDF:40384.7/1

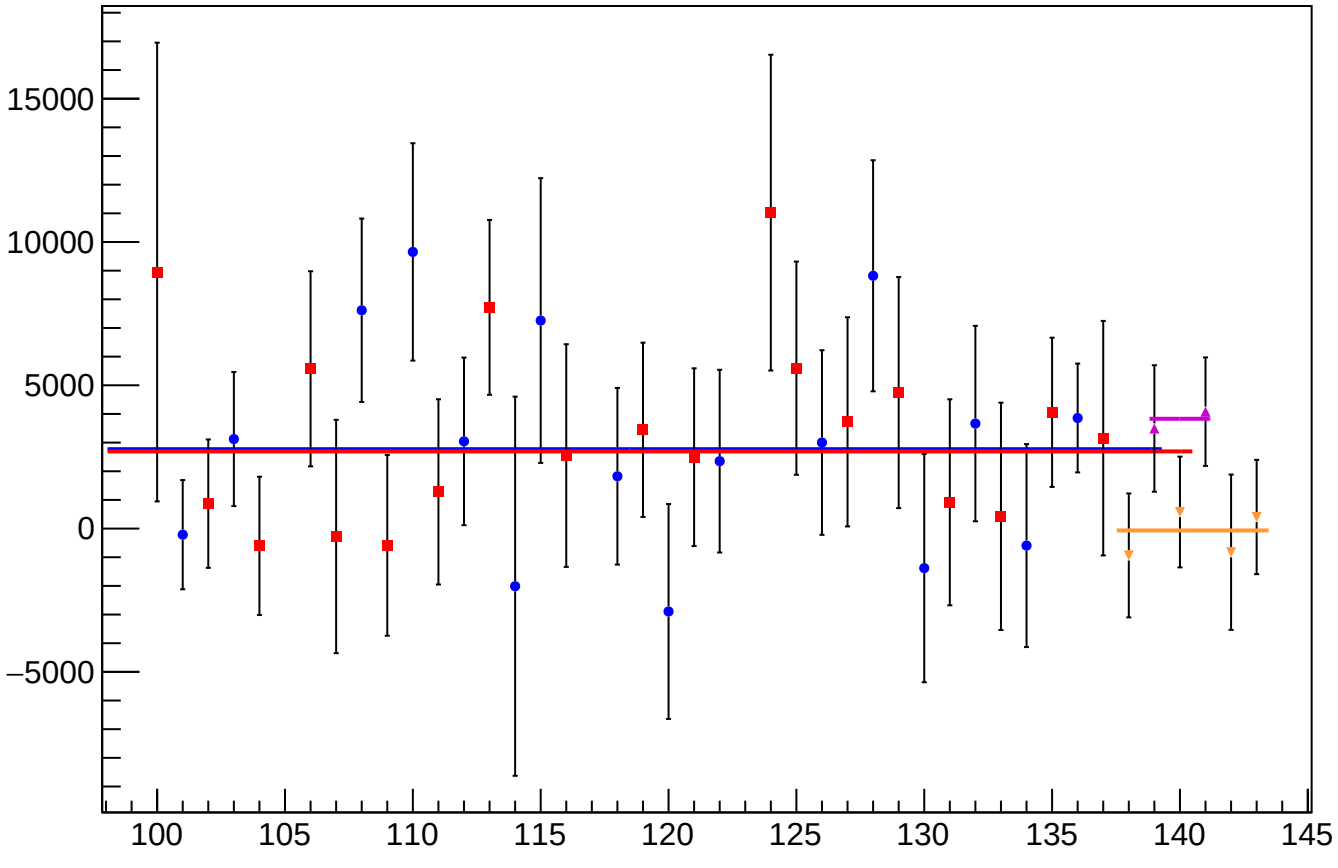
Left: 1463.556+/-0.486 χ^2/NDF: 50417.0/5

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1611.569+/-0.390 χ^2/NDF:761695.2/17

Out: 1630.480+/-0.365 χ^2/NDF:603202.1/22

All: 1621.662+/-0.267 χ^2/NDF: 1366150.1/40



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -64.832+/-1072.565 χ^2/NDF:0.4/3

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: 1328.771+/-859.571 χ^2/NDF: 5.2/5

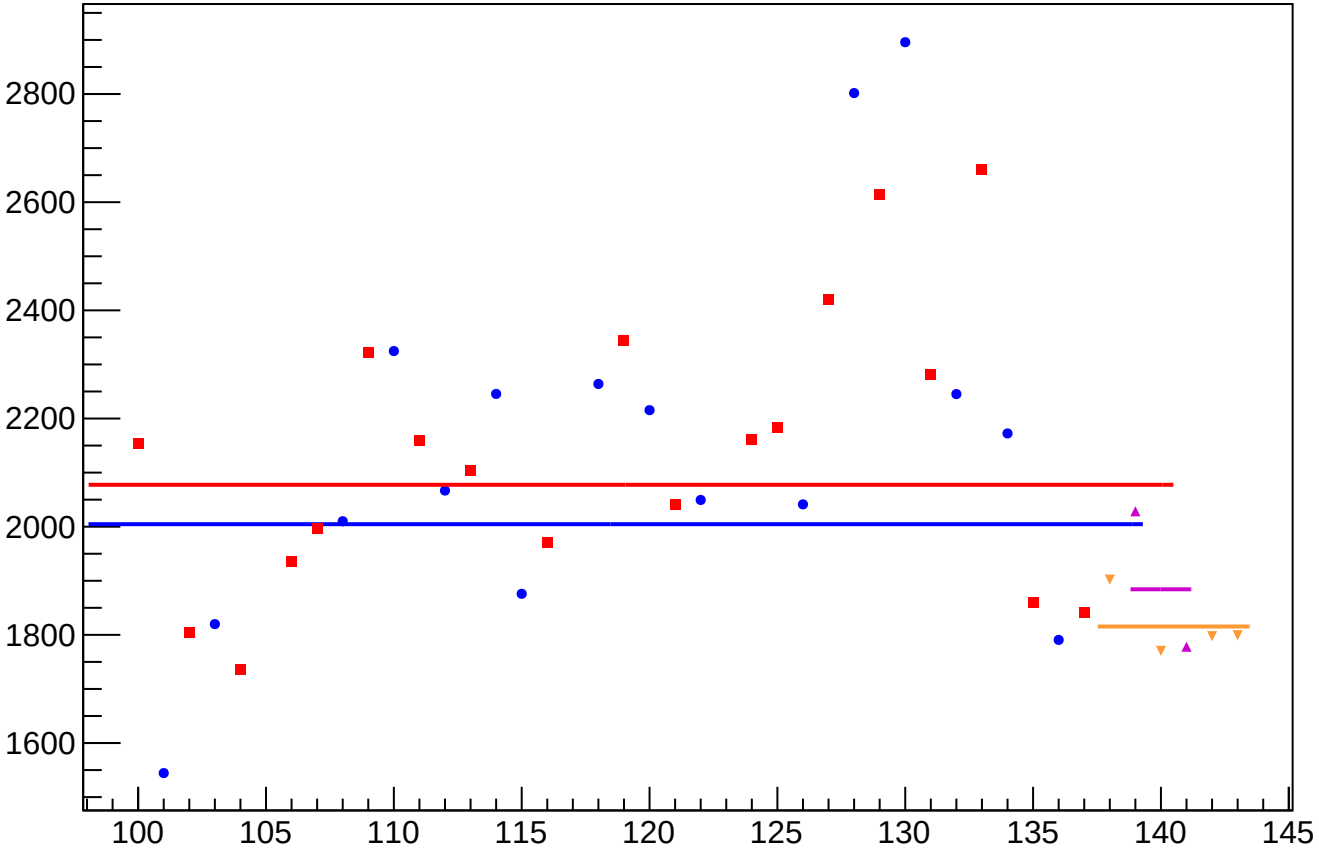
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 3000.417+/-669.843 χ^2/NDF:16.9/17

Out: 1761.638+/-623.220 χ^2/NDF:17.3/22

All: 2336.420+/-456.276 χ^2/NDF: 36.1/40

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1815.419+/-0.758 χ^2/NDF:4518.0/3

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1884.264+/-1.016 χ^2/NDF:14823.6/1

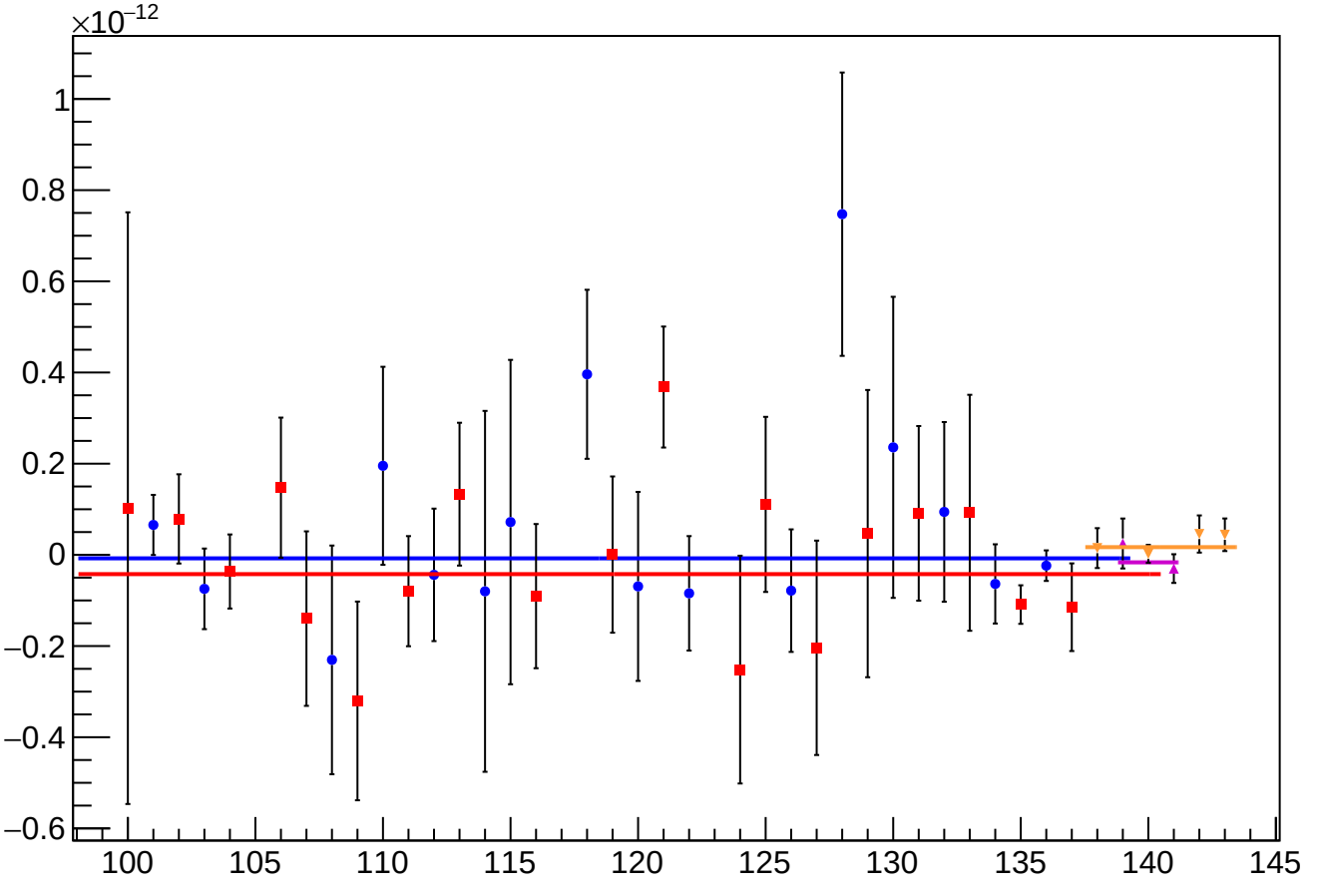
Left: 1840.047+/-0.608 χ^2/NDF: 22289.3/5

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1978.486+/-0.474 χ^2/NDF:413373.4/17

Out: 1989.015+/-0.441 χ^2/NDF:314096.9/22

All: 1984.129+/-0.323 χ^2/NDF: 727735.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/1

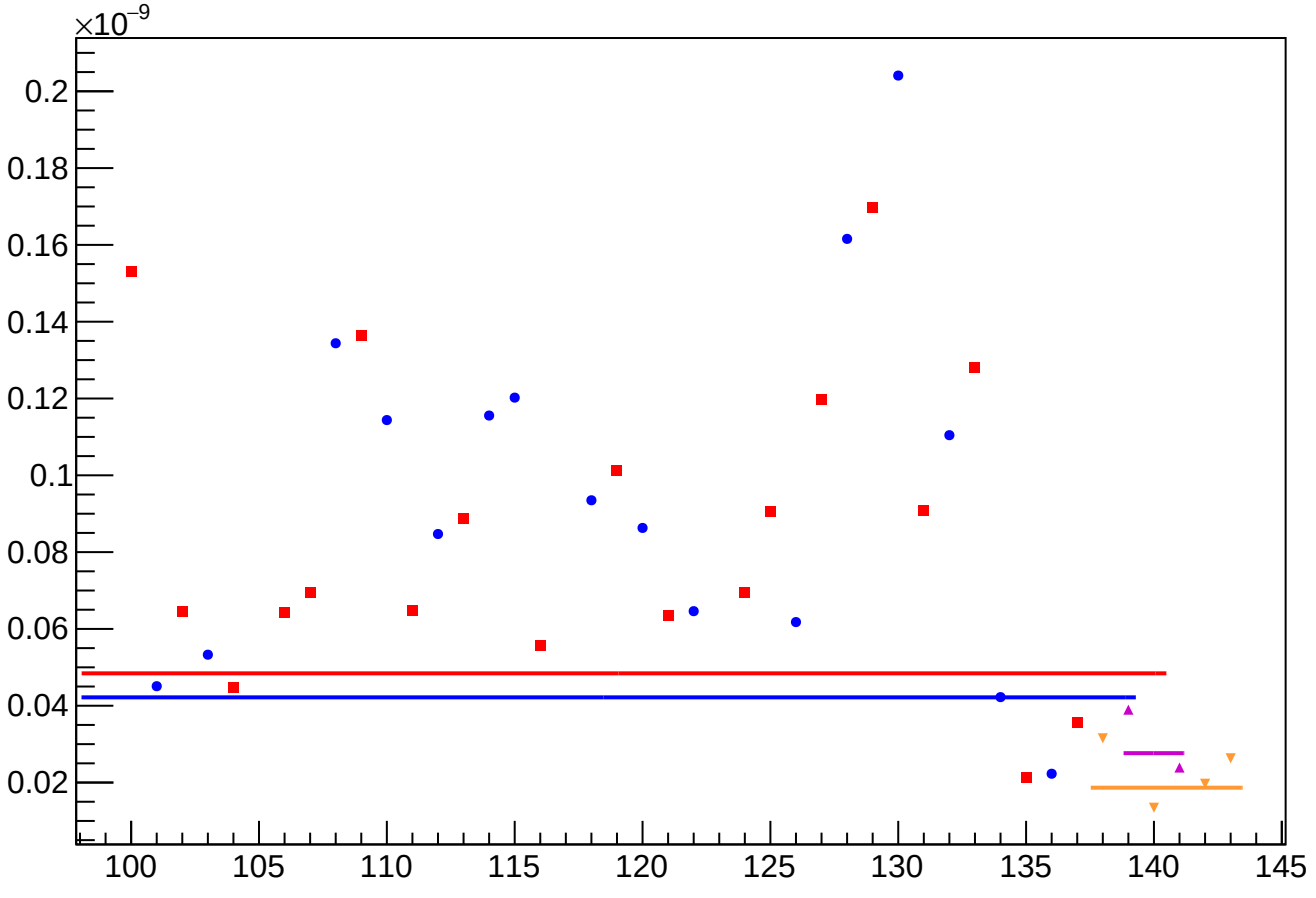
Left: 0.000+/-0.000 χ^2/NDF: 3.5/5

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:27.1/22

All: -0.000+/-0.000 χ^2/NDF: 44.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:404755.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:113800.2/1

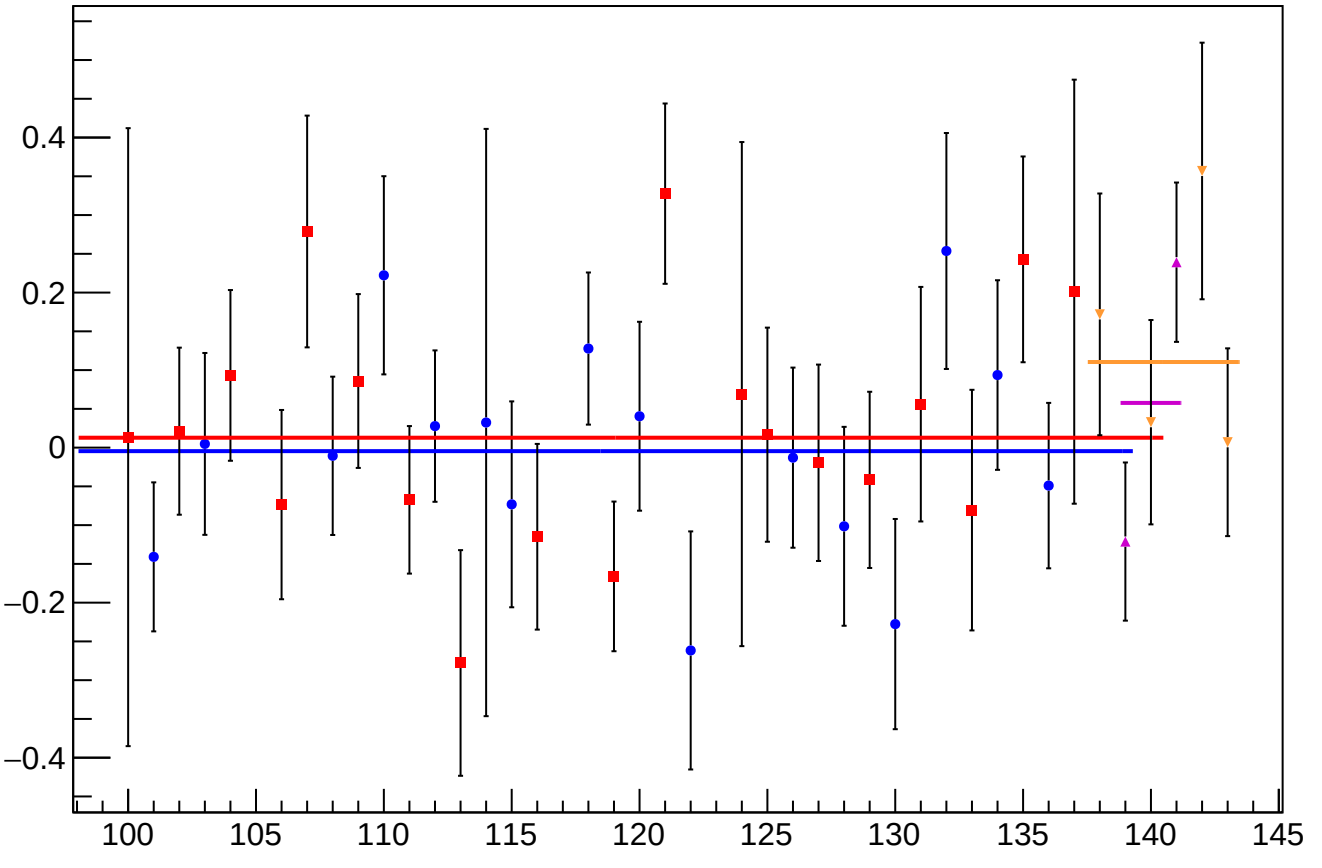
Left: 0.000+/-0.000 χ^2/NDF: 685373.3/5

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:4867465.2/22

All: 0.000+/-0.000 χ^2/NDF: 8638496.4/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

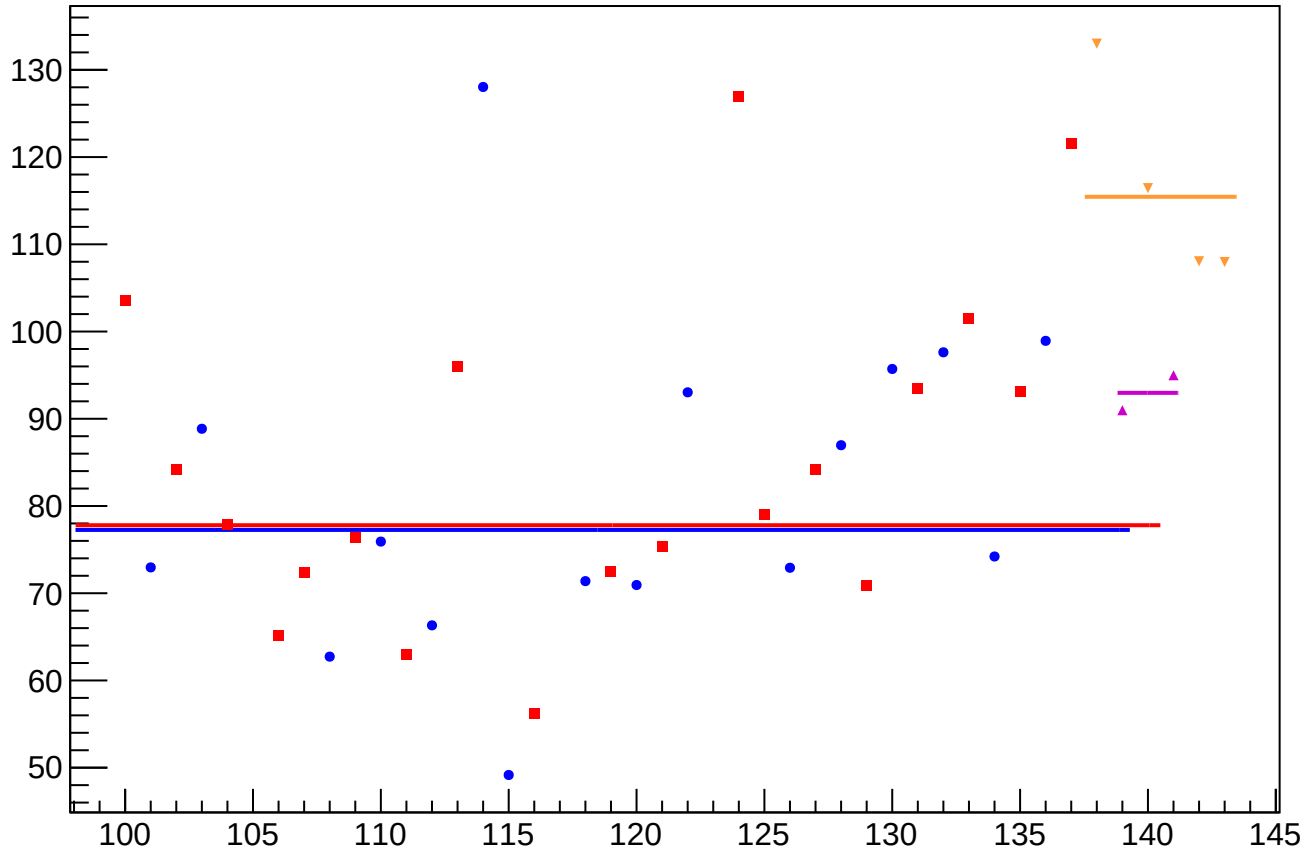
Left: 0.085+/-0.050 χ^2/NDF: 9.9/5

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.016+/-0.019 χ^2/NDF: 55.0/40



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 115.446+/-0.050 χ^2/NDF:37092.8/3

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.971+/-0.051 χ^2/NDF:1535.6/1

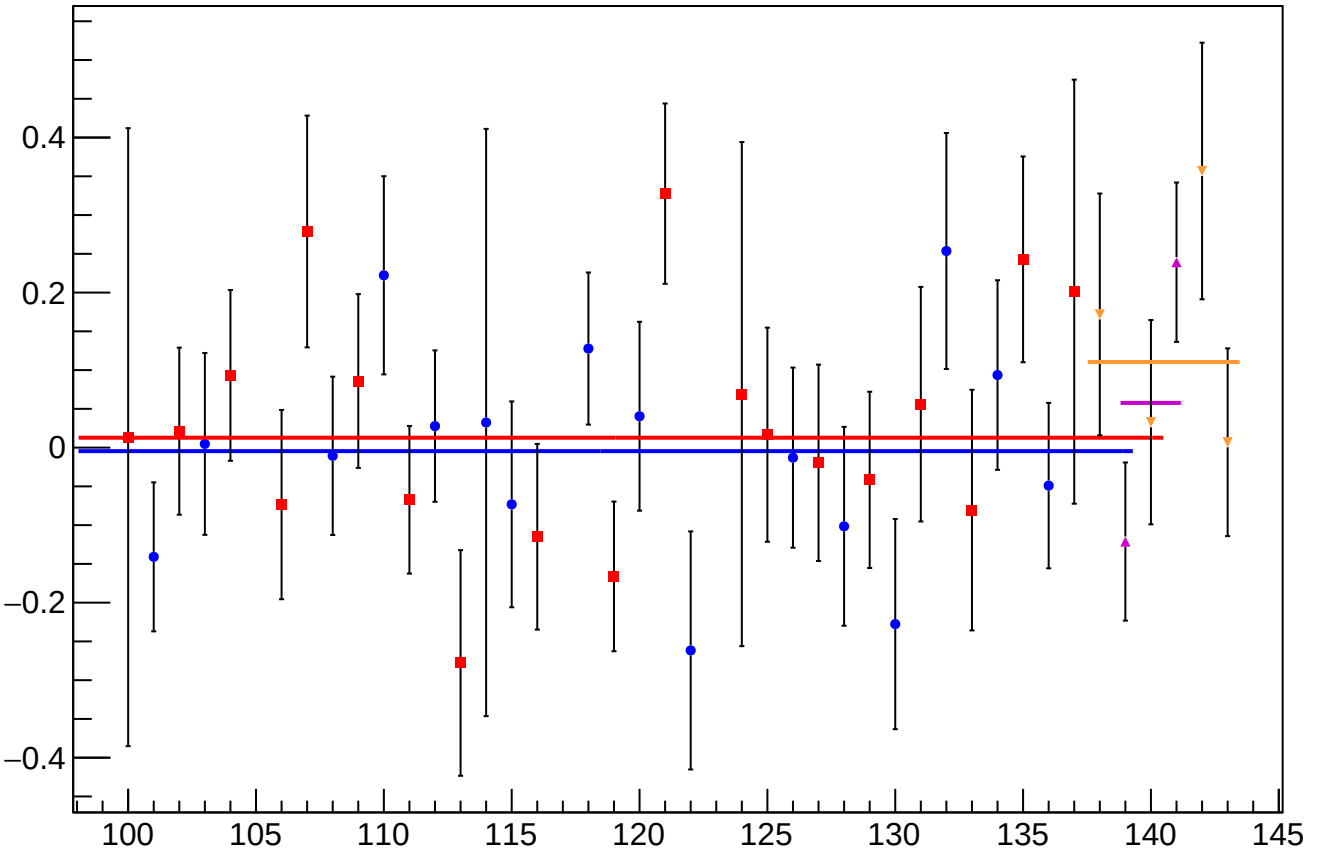
Left: 104.568+/-0.036 χ^2/NDF: 138074.0/5

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.568+/-0.020 χ^2/NDF:501168.4/17

Out: 83.531+/-0.019 χ^2/NDF:922331.2/22

All: 81.577+/-0.014 χ^2/NDF: 1444179.0/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

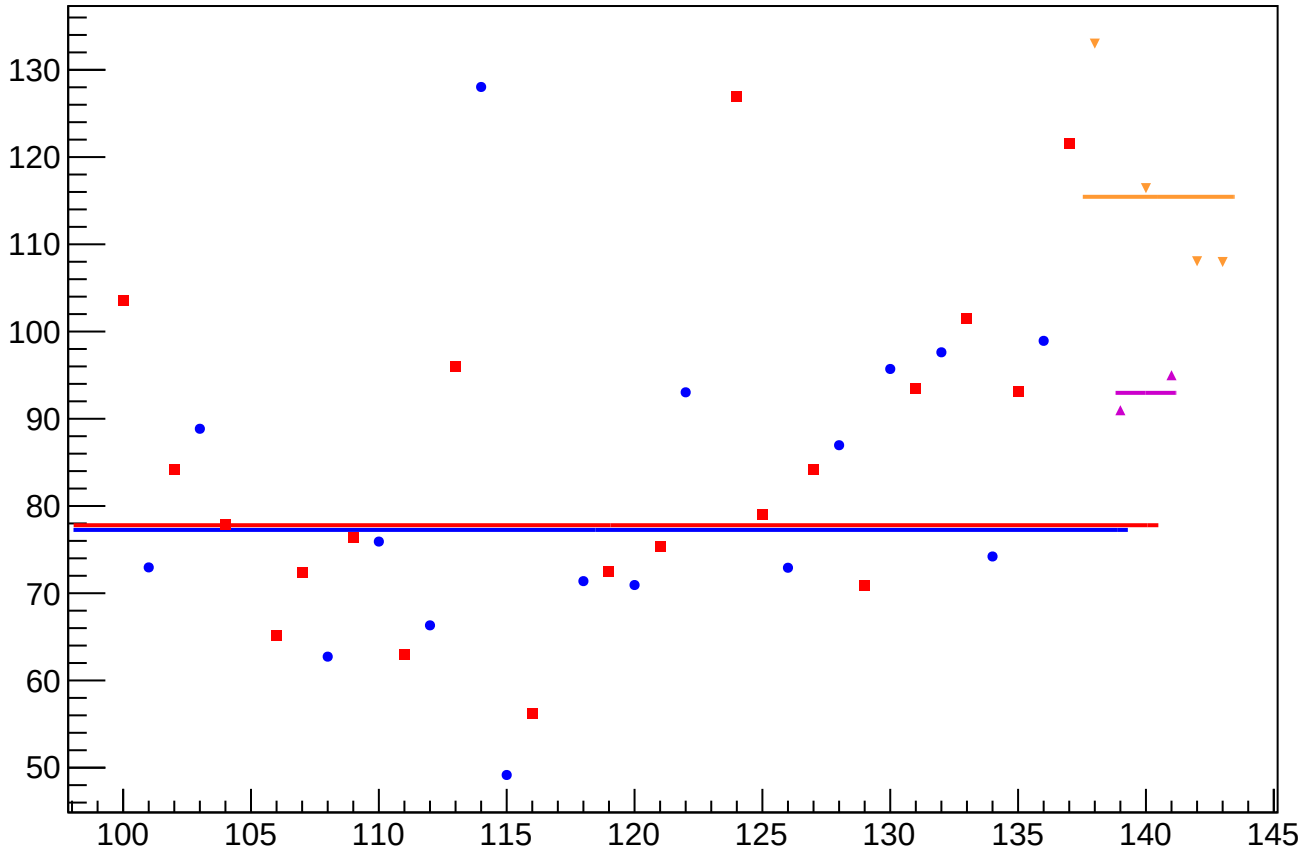
Left: 0.085+/-0.050 χ^2/NDF: 9.9/5

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.016+/-0.019 χ^2/NDF: 55.0/40



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 115.446+/-0.050 χ^2/NDF:37092.8/3

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.971+/-0.051 χ^2/NDF:1535.6/1

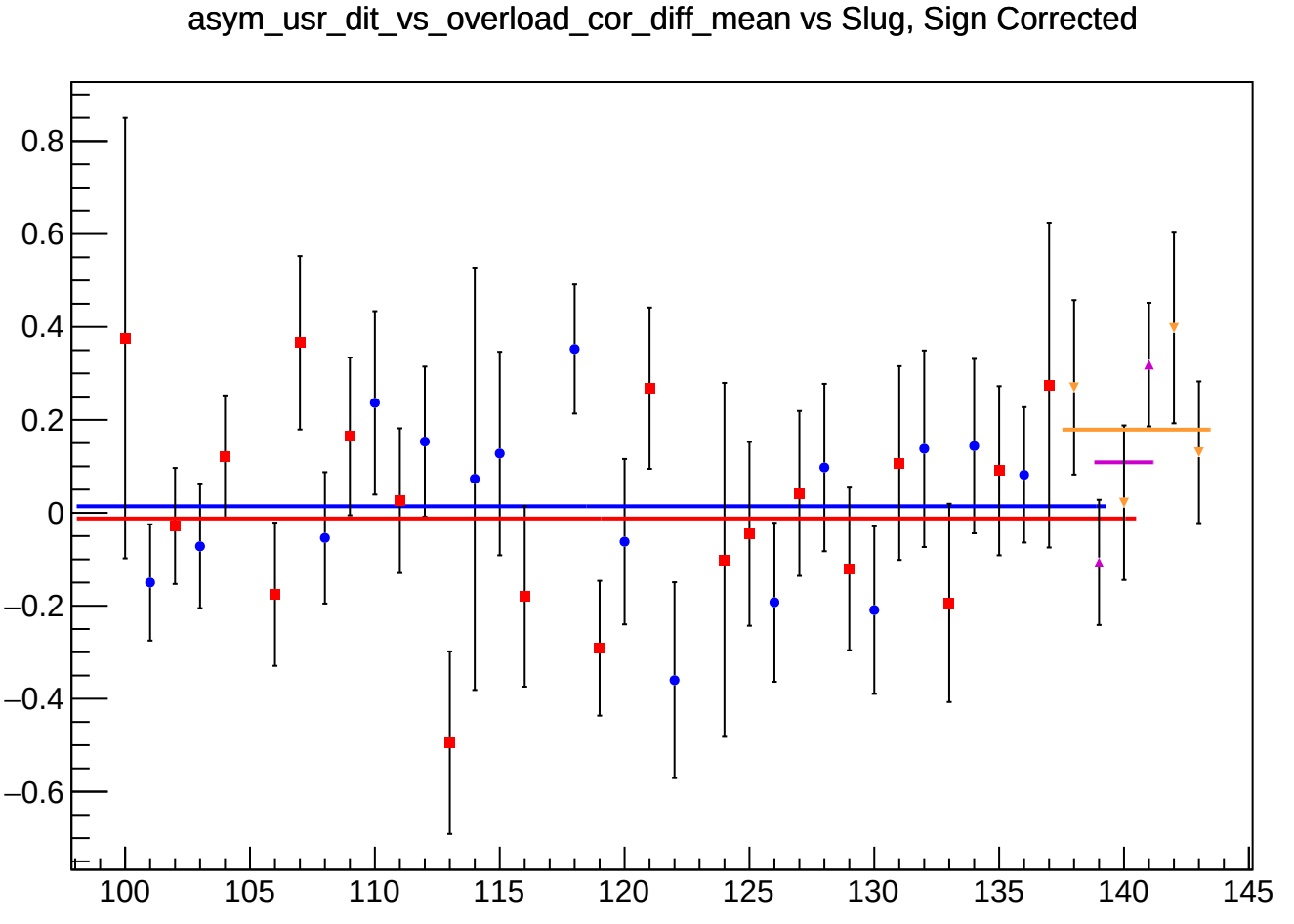
Left: 104.568+/-0.036 χ^2/NDF: 138074.0/5

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.568+/-0.020 χ^2/NDF:501168.4/17

Out: 83.531+/-0.019 χ^2/NDF:922331.2/22

All: 81.577+/-0.014 χ^2/NDF: 1444179.0/40



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.179+/-0.087 χ^2/NDF:2.4/3

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.109+/-0.095 χ^2/NDF:5.1/1

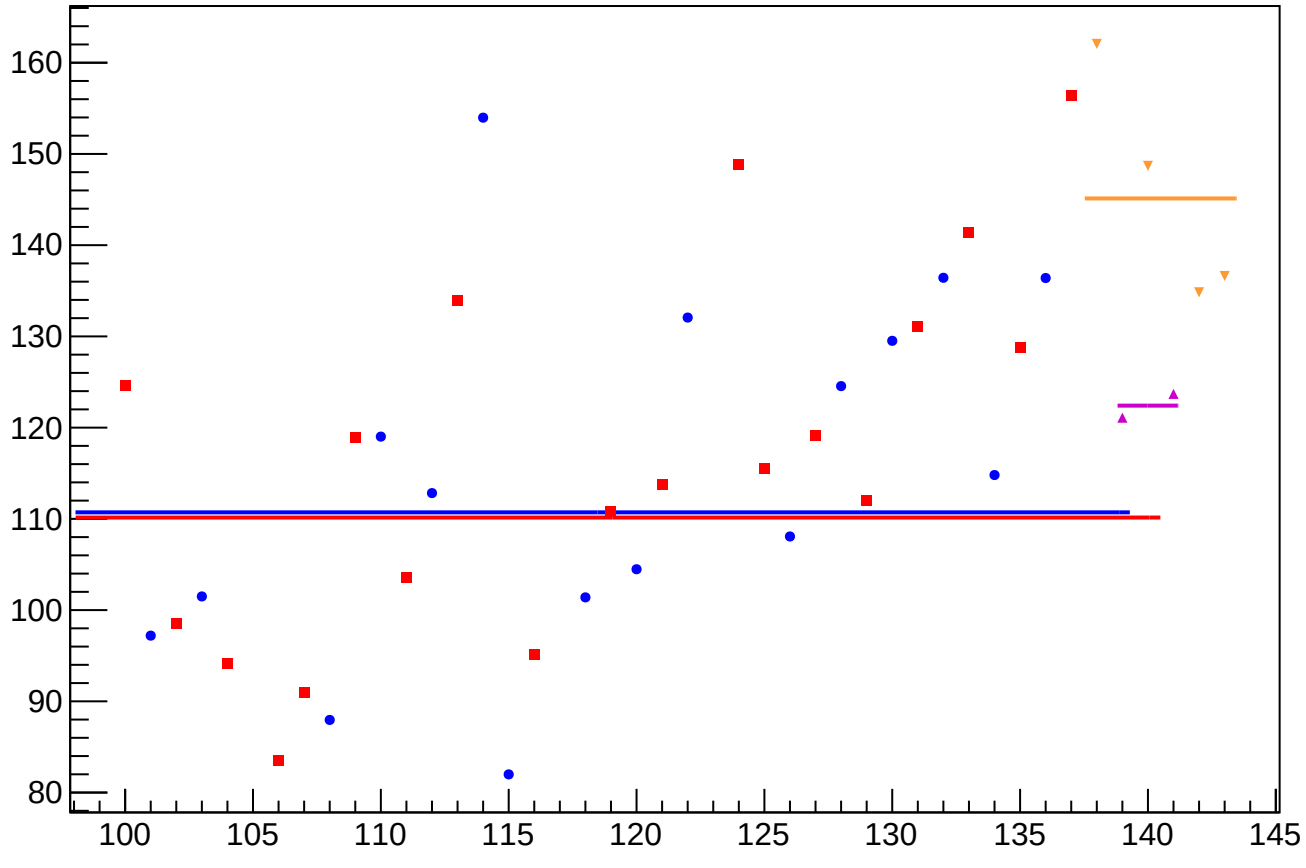
Left: 0.147+/-0.064 χ^2/NDF: 7.7/5

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.030+/-0.039 χ^2/NDF:24.1/17

Out: 0.023+/-0.037 χ^2/NDF:30.0/22

All: 0.026+/-0.027 χ^2/NDF: 54.1/40



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 145.121+/-0.062 χ^2/NDF:28462.4/3

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 122.412+/-0.067 χ^2/NDF:380.0/1

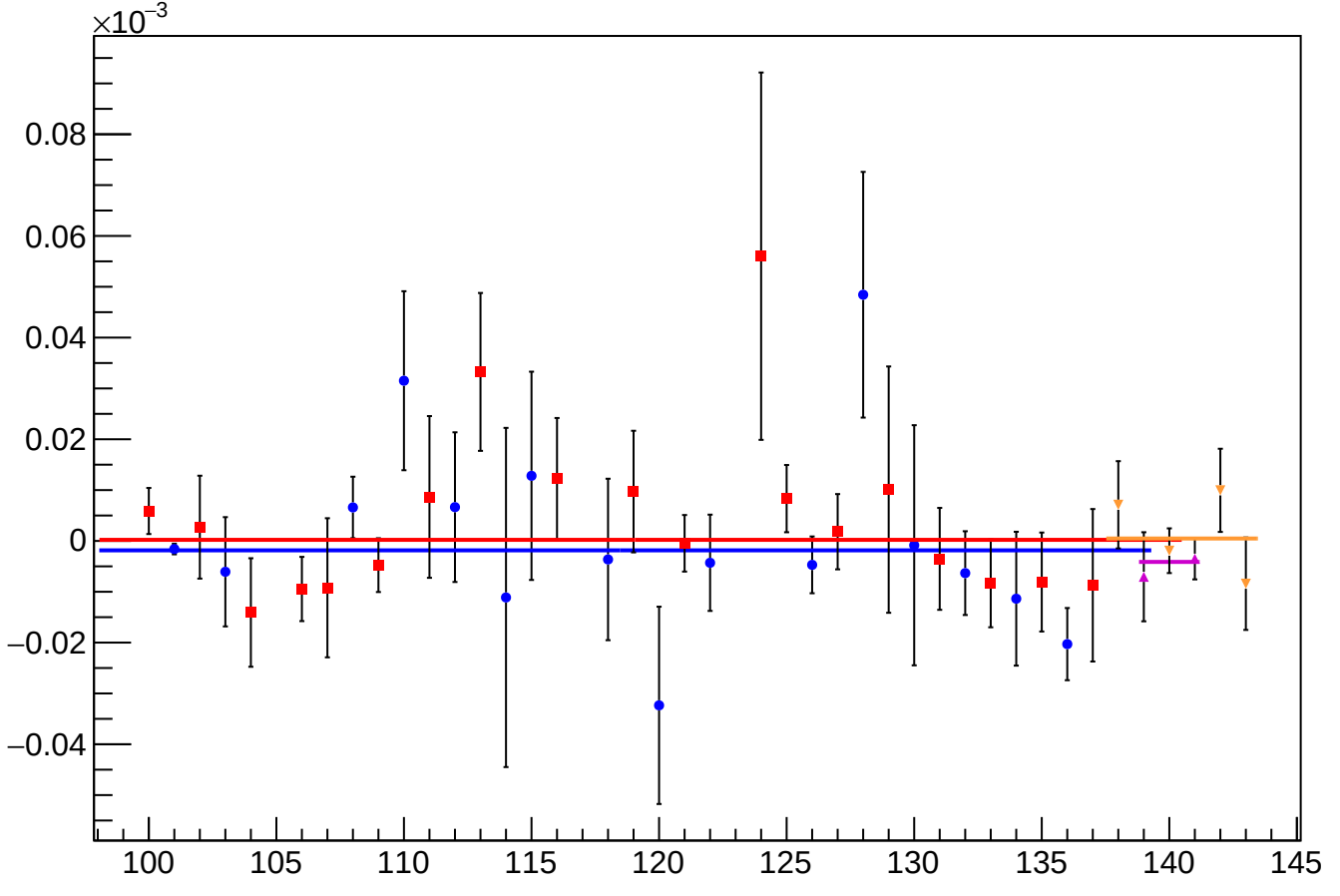
Left: 134.687+/-0.045 χ^2/NDF: 91101.8/5

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 112.660+/-0.027 χ^2/NDF:325832.3/17

Out: 116.551+/-0.026 χ^2/NDF:617752.2/22

All: 114.670+/-0.019 χ^2/NDF: 954081.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

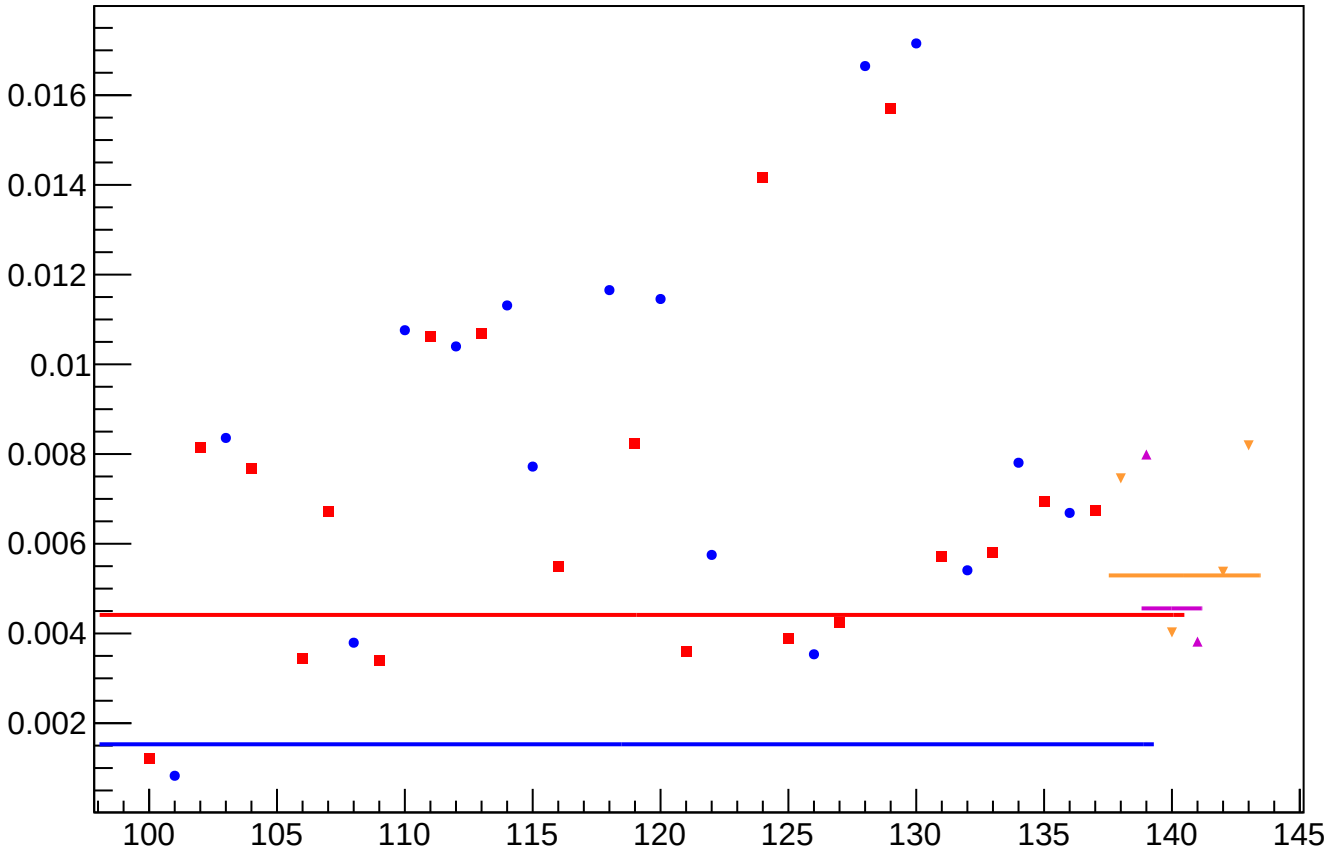
Left: -0.000+/-0.000 χ^2/NDF: 4.2/5

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:23.1/22

All: -0.000+/-0.000 χ^2/NDF: 46.4/40



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:497725.2/3

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:372838.7/1

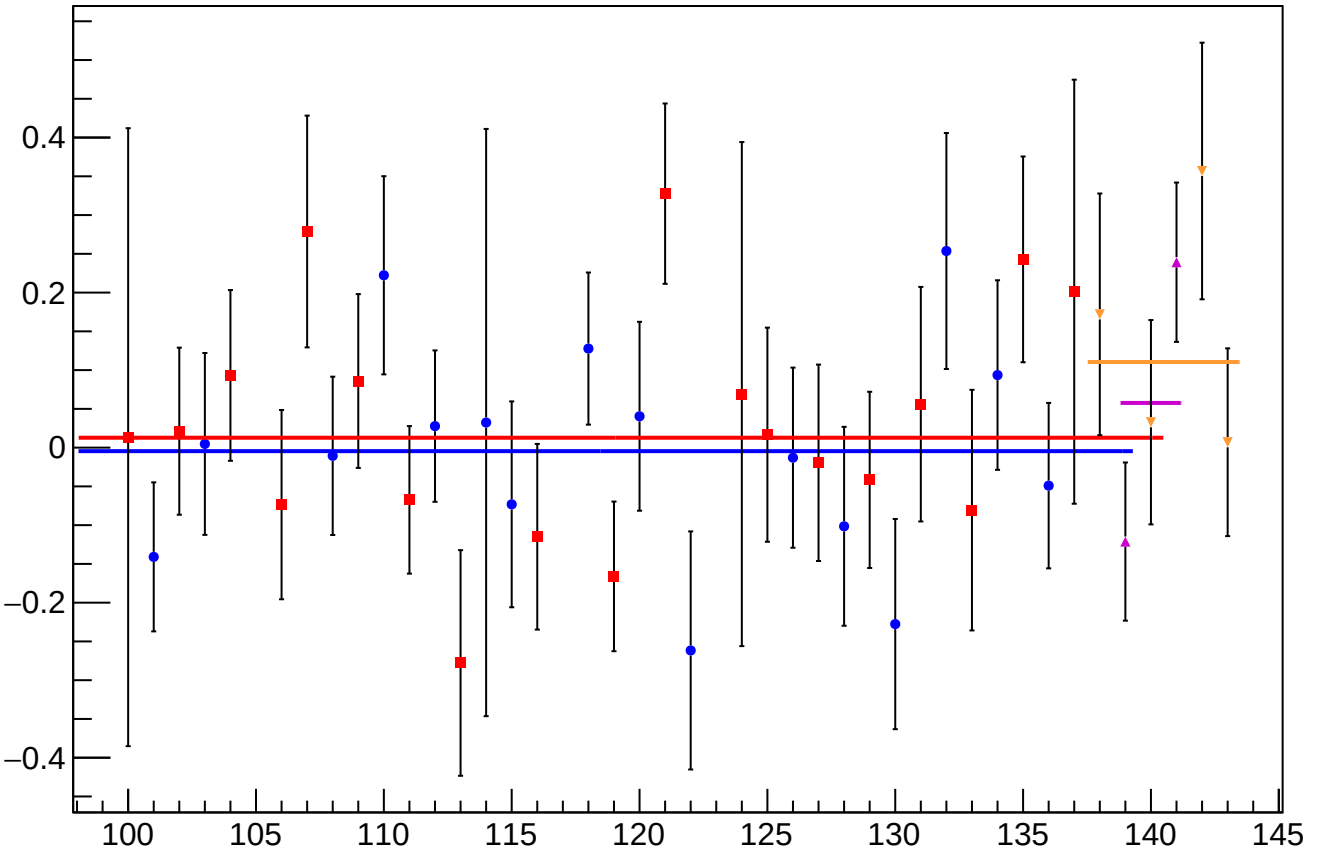
Left: 0.005+/-0.000 χ^2/NDF: 914764.3/5

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:10855984.6/17

Out: 0.005+/-0.000 χ^2/NDF:3992442.5/22

All: 0.002+/-0.000 χ^2/NDF: 19496401.6/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

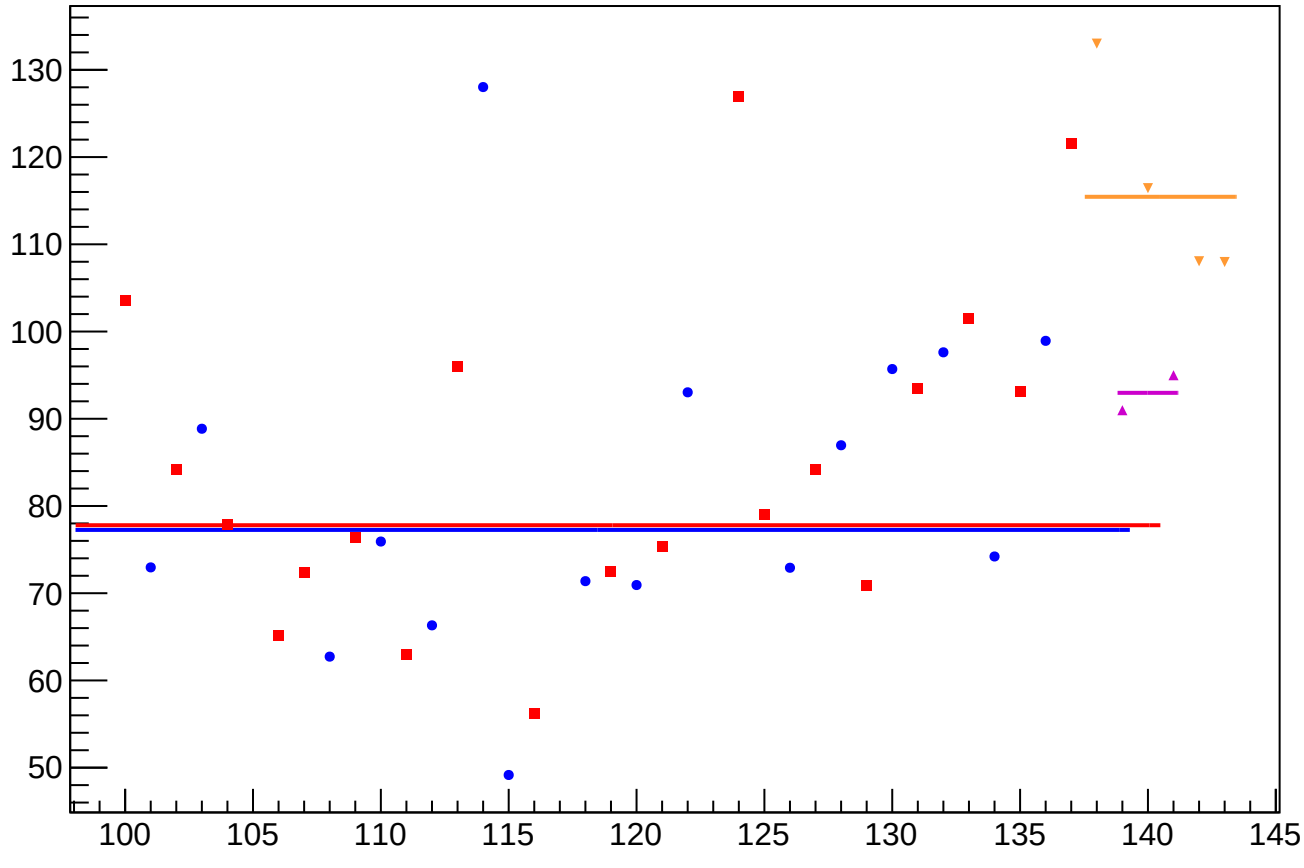
Left: 0.085+/-0.050 χ^2/NDF: 9.9/5

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.016+/-0.019 χ^2/NDF: 55.0/40



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 115.447+/-0.050 χ^2/NDF:37092.3/3

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.971+/-0.051 χ^2/NDF:1534.1/1

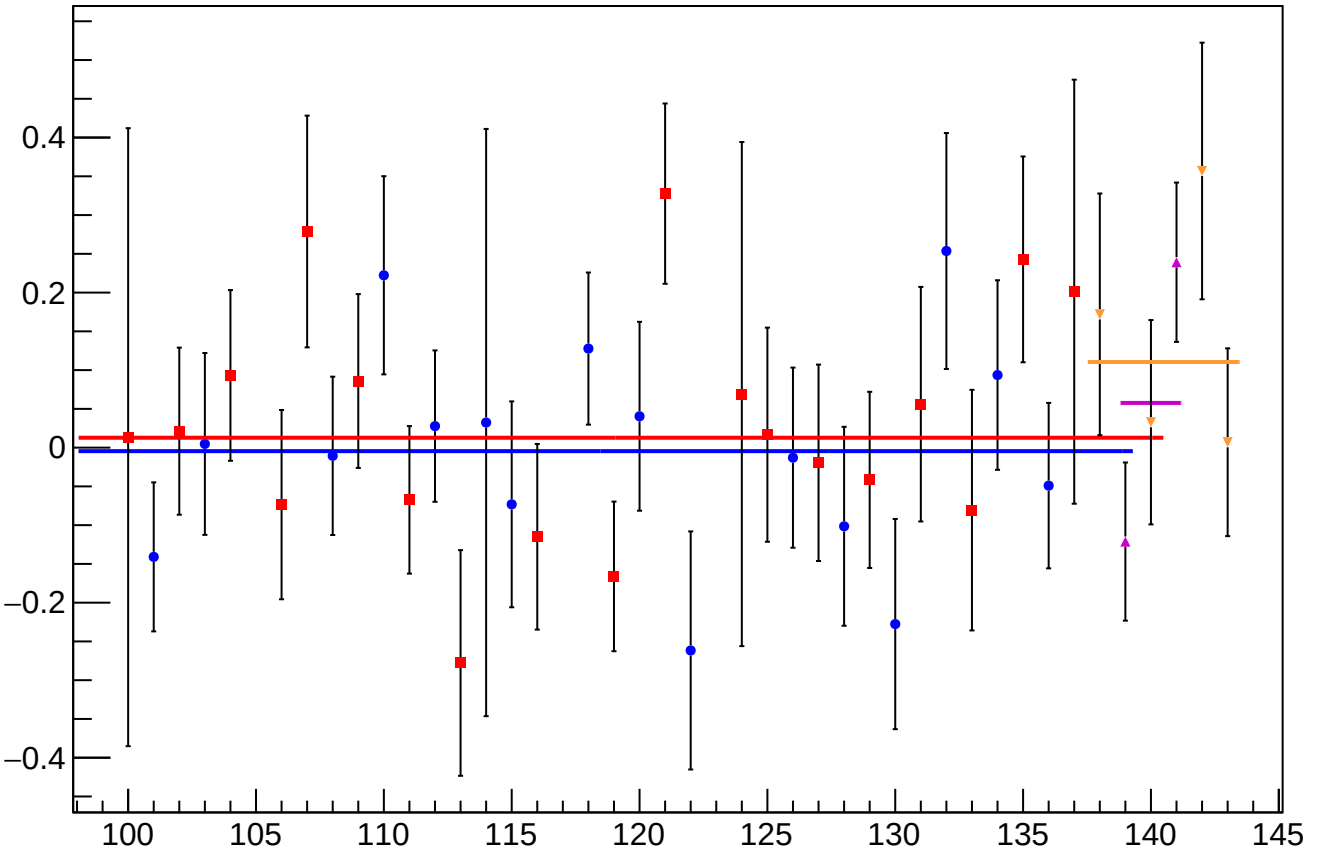
Left: 104.569+/-0.036 χ^2/NDF: 138068.9/5

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.566+/-0.020 χ^2/NDF:501176.0/17

Out: 83.530+/-0.019 χ^2/NDF:922380.3/22

All: 81.576+/-0.014 χ^2/NDF: 1444234.6/40



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.110+/-0.070 χ^2/NDF:3.4/3

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.058+/-0.072 χ^2/NDF:6.2/1

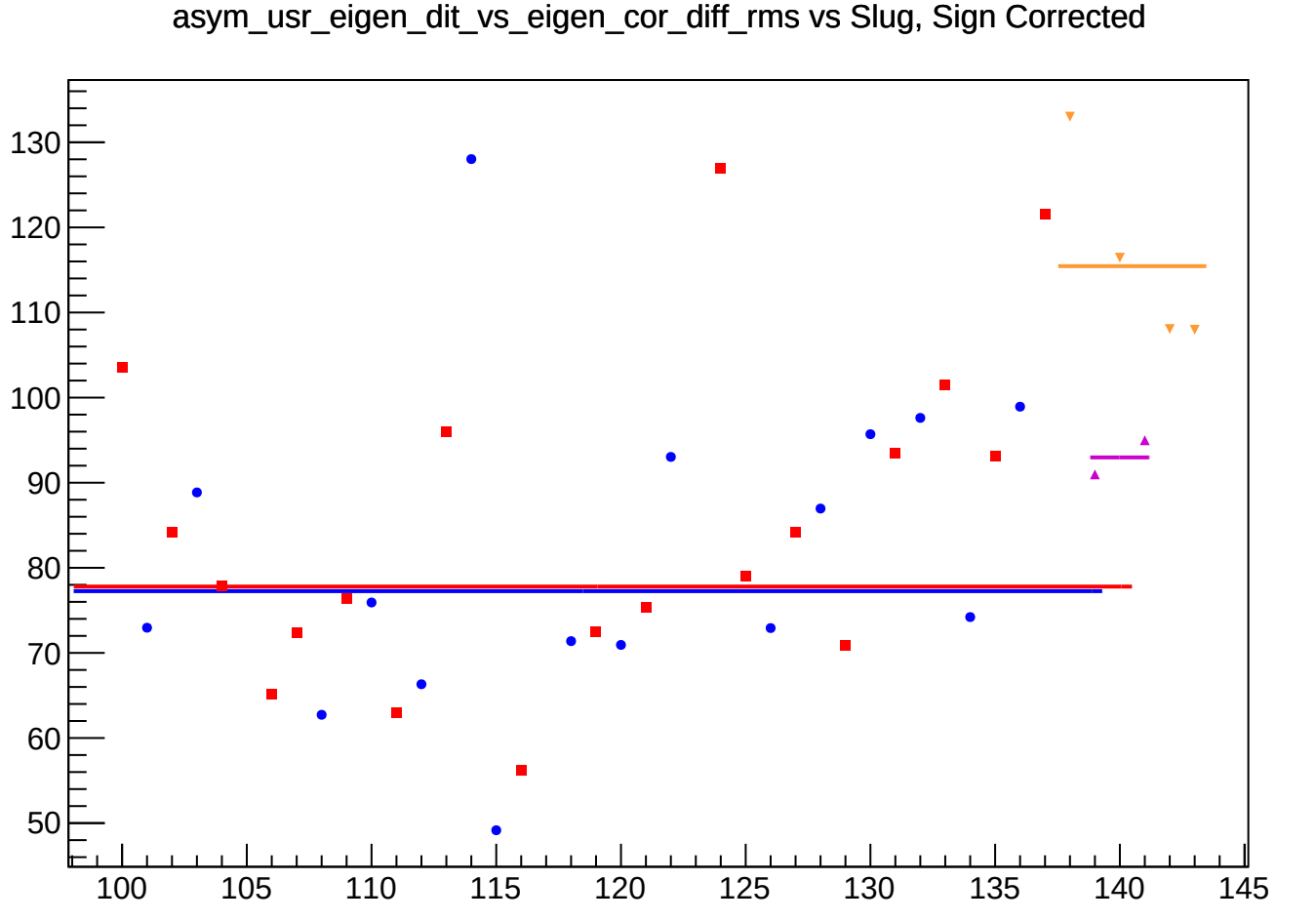
Left: 0.085+/-0.050 χ^2/NDF: 9.9/5

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.005+/-0.028 χ^2/NDF:24.1/17

Out: 0.028+/-0.027 χ^2/NDF:30.6/22

All: 0.016+/-0.019 χ^2/NDF: 55.0/40



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 115.447+/-0.050 χ^2/NDF:37092.3/3

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.971+/-0.051 χ^2/NDF:1534.1/1

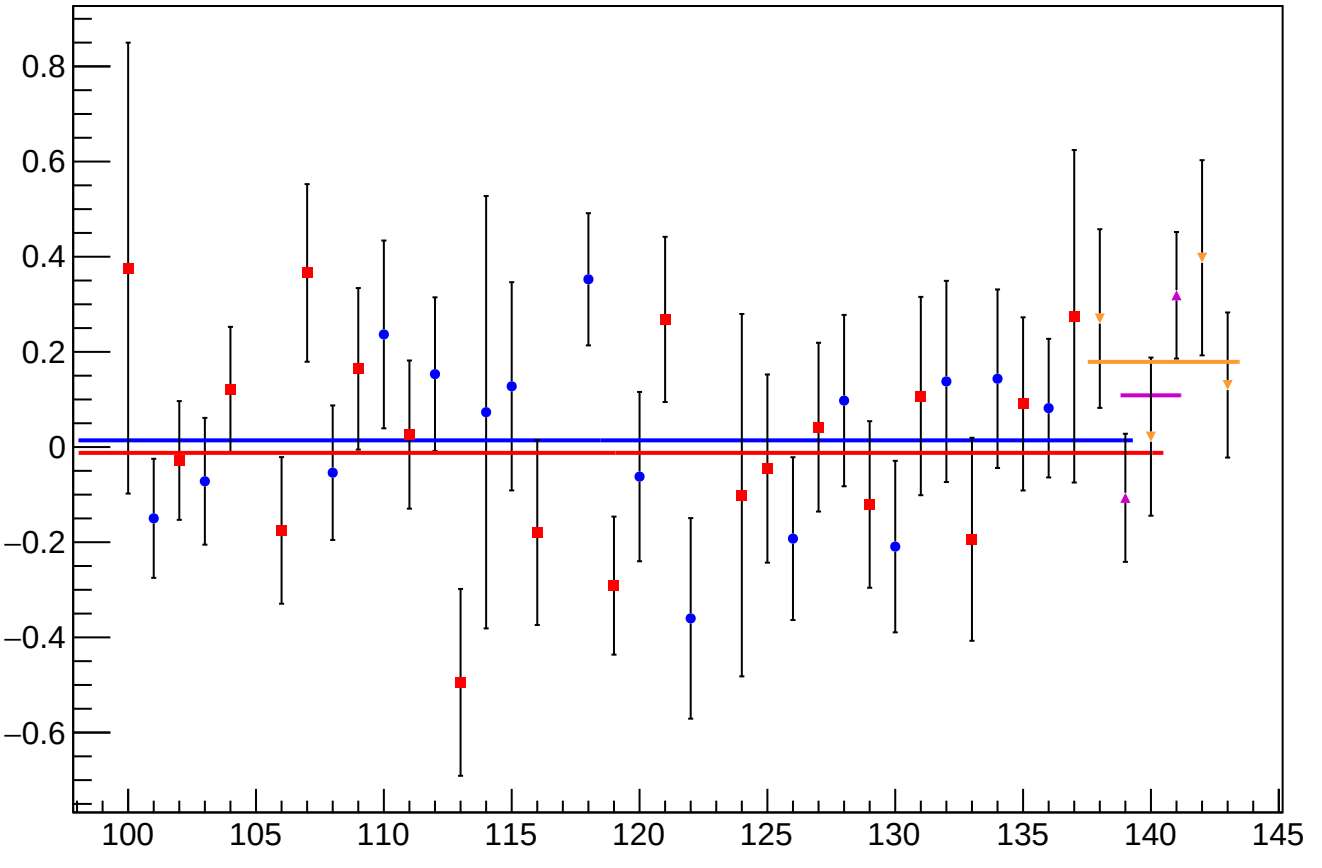
Left: 104.569+/-0.036 χ^2/NDF: 138068.9/5

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.566+/-0.020 χ^2/NDF:501176.0/17

Out: 83.530+/-0.019 χ^2/NDF:922380.3/22

All: 81.576+/-0.014 χ^2/NDF: 1444234.6/40



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.179+/-0.087 χ^2/NDF:2.4/3

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.109+/-0.095 χ^2/NDF:5.1/1

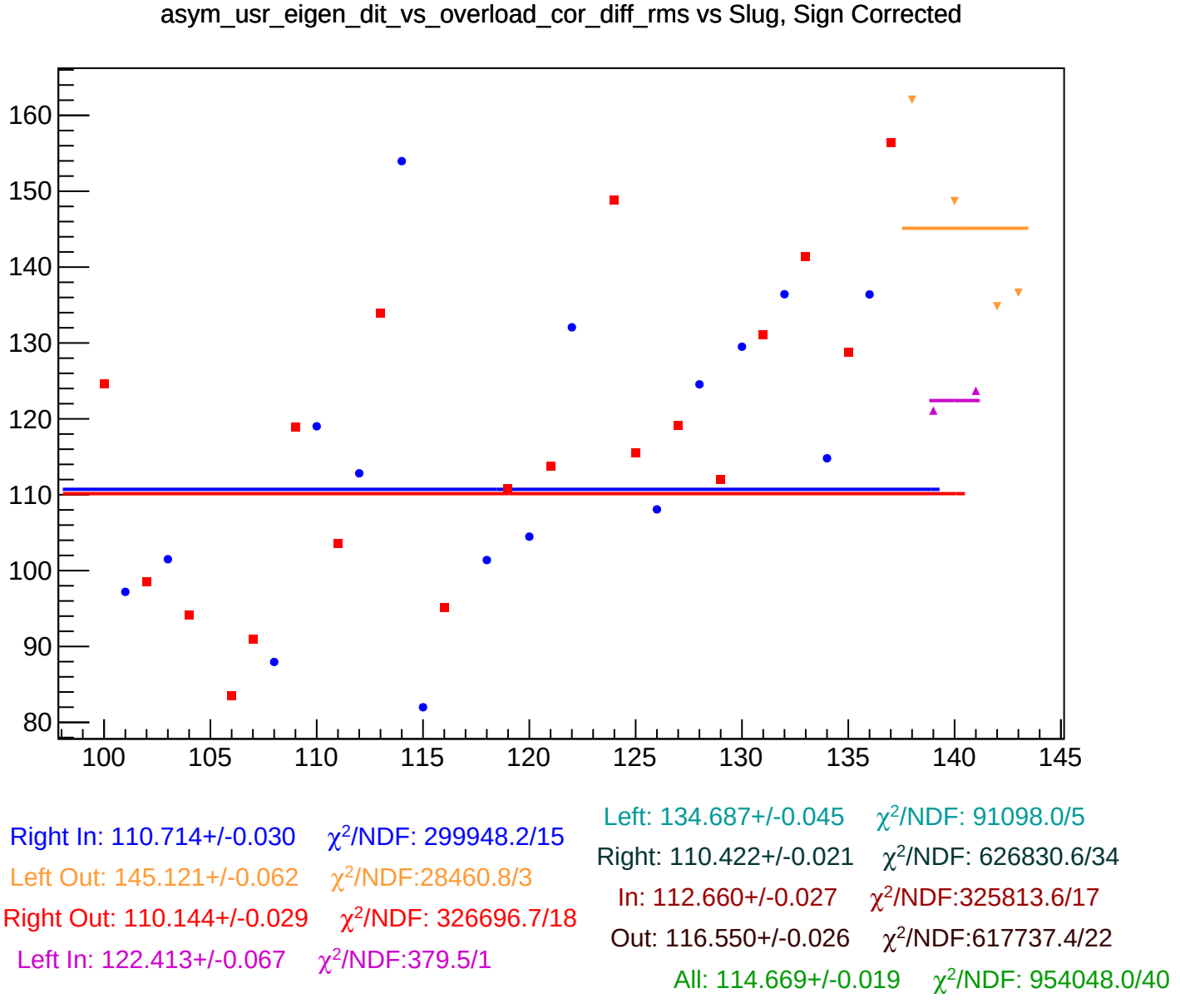
Left: 0.147+/-0.064 χ^2/NDF: 7.7/5

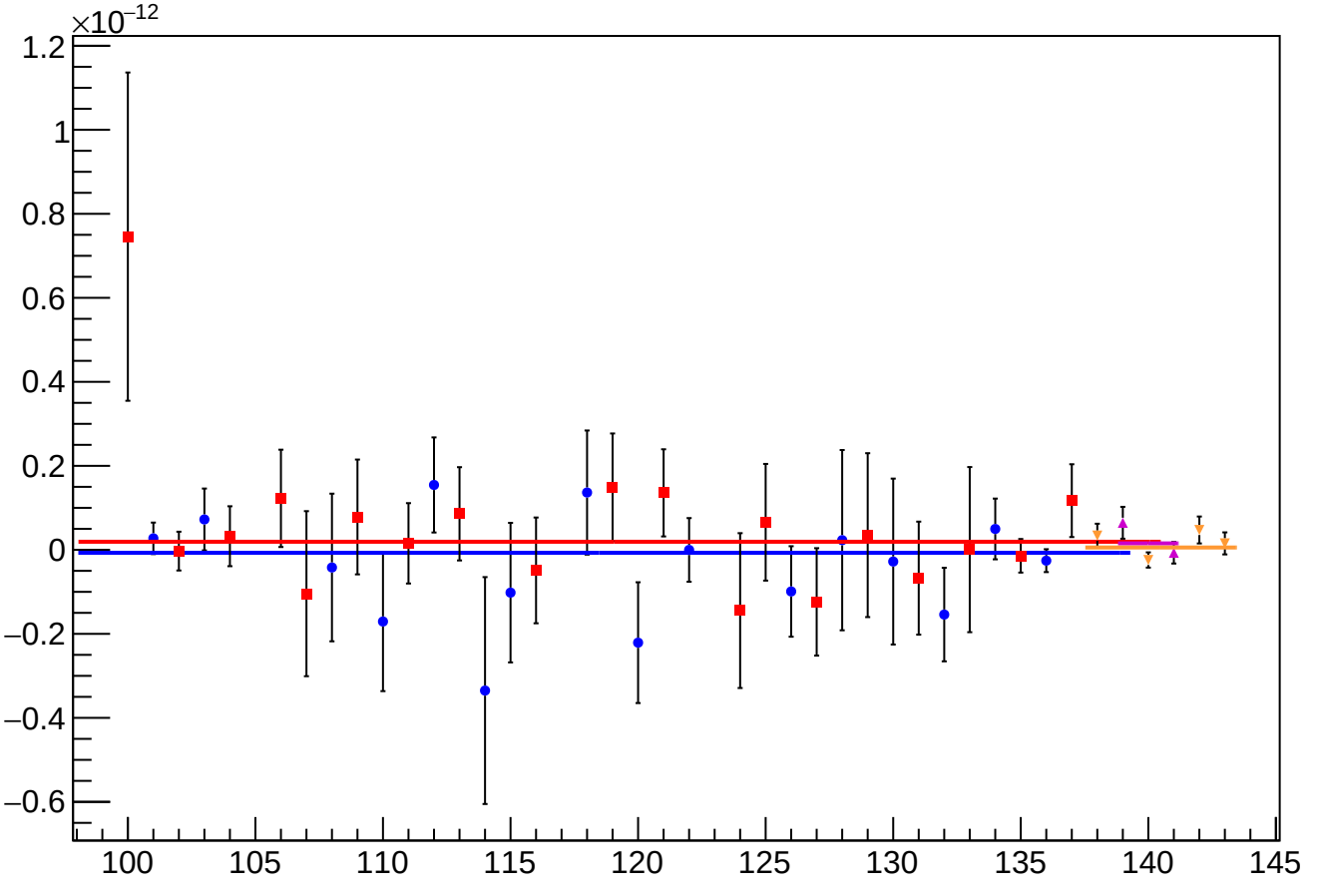
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

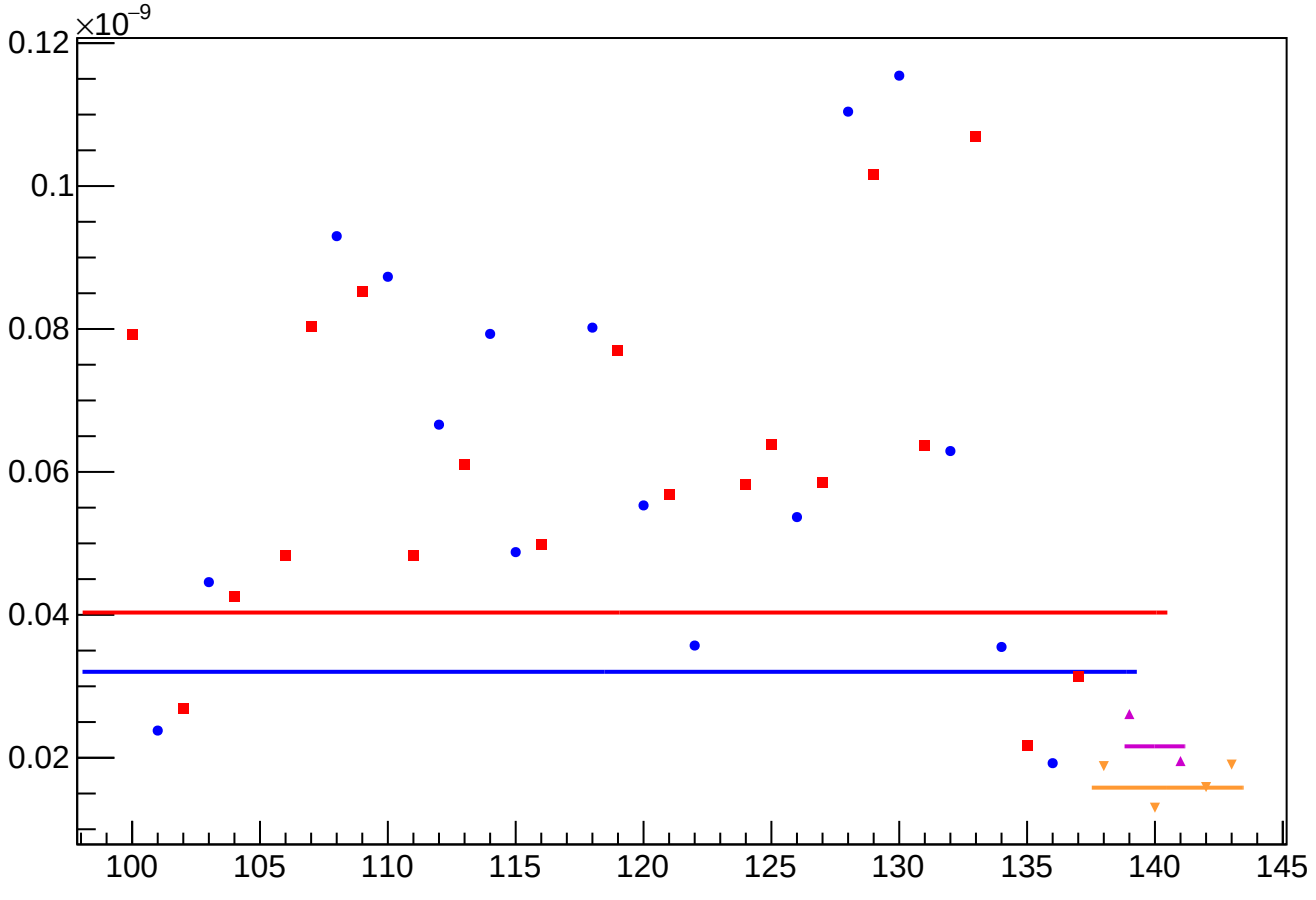
In: 0.030+/-0.039 χ^2/NDF:24.1/17

Out: 0.023+/-0.037 χ^2/NDF:30.0/22

All: 0.026+/-0.027 χ^2/NDF: 54.1/40


asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
160
150
140
130
120
110
100
90
80
100
105
110
115
120
125
130
135
140
145
Right In: 110.714+/-0.030 χ²/NDF: 299948.2/15
Left Out: 145.121+/-0.062 χ²/NDF:28460.8/3
Right Out: 110.144+/-0.029 χ²/NDF: 326696.7/18
Left In: 122.413+/-0.067 χ²/NDF:379.5/1
Left: 134.687+/-0.045 χ²/NDF: 91098.0/5
Right: 110.422+/-0.021 χ²/NDF: 626830.6/34
In: 112.660+/-0.027 χ²/NDF:325813.6/17
Out: 116.550+/-0.026 χ²/NDF:617737.4/22
All: 114.669+/-0.019 χ²/NDF: 954048.0/40


asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: 0.000+/-0.000 χ²/NDF:5.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/18
Left In: 0.000+/-0.000 χ²/NDF:2.4/1
Left: 0.000+/-0.000 χ²/NDF: 8.1/5
Right: 0.000+/-0.000 χ²/NDF: 27.1/34
In: 0.000+/-0.000 χ²/NDF:16.7/17
Out: 0.000+/-0.000 χ²/NDF:18.4/22
All: 0.000+/-0.000 χ²/NDF: 35.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:100847.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:41282.1/1

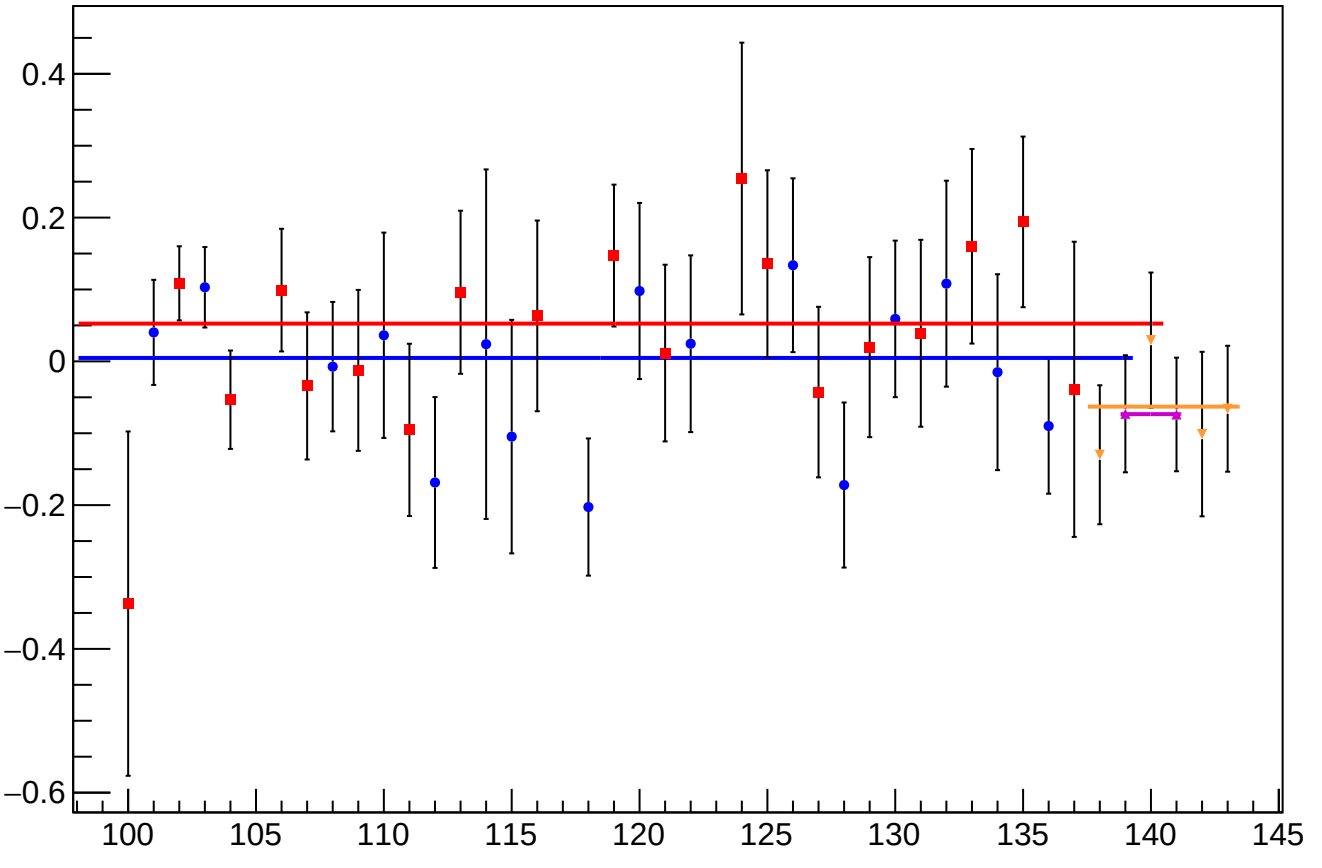
Left: 0.000+/-0.000 χ^2/NDF: 253640.2/5

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:3985851.0/22

All: 0.000+/-0.000 χ^2/NDF: 6988918.6/40



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.063+/-0.048 χ^2/NDF:1.6/3

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.057 χ^2/NDF:0.0/1

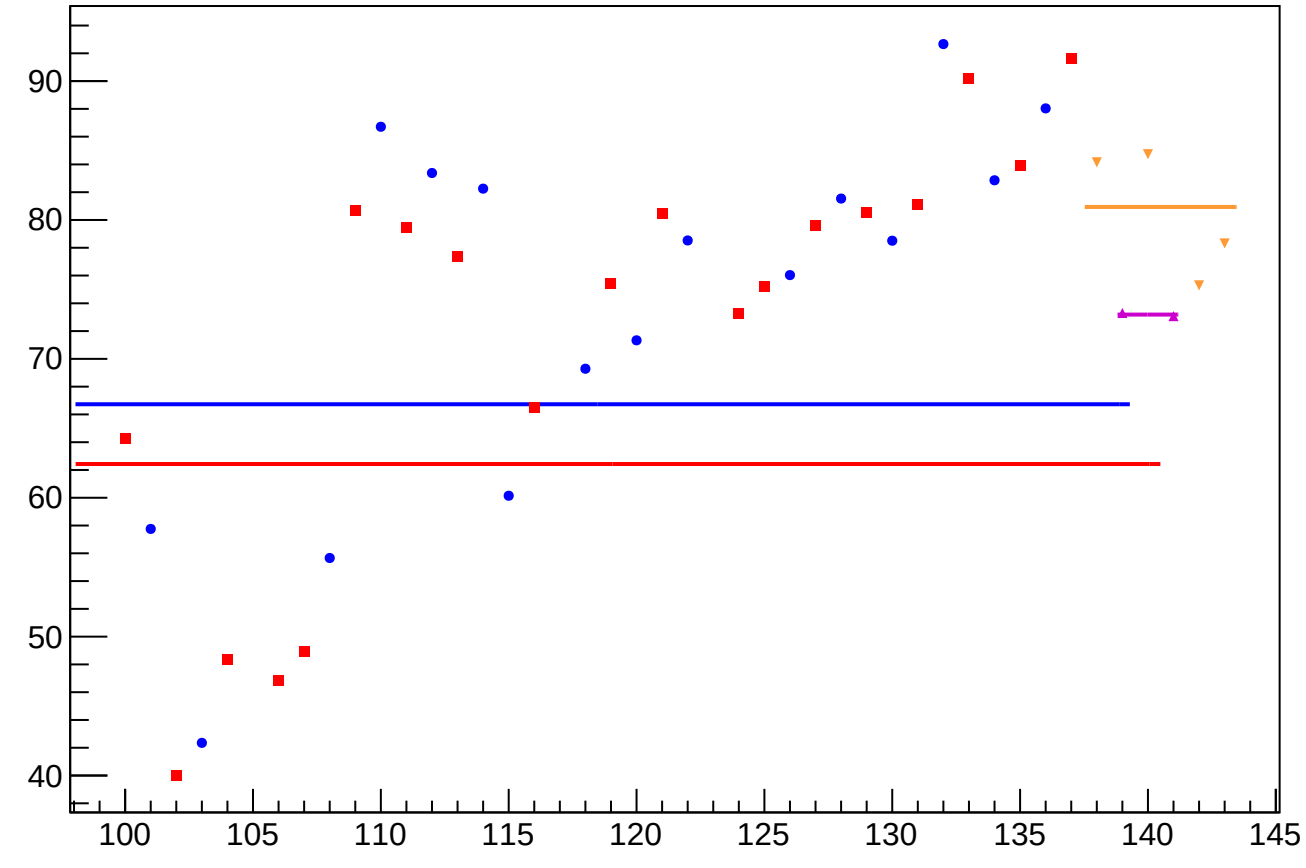
Left: -0.067+/-0.037 χ^2/NDF: 1.6/5

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.009+/-0.024 χ^2/NDF:18.2/17

Out: 0.030+/-0.022 χ^2/NDF:20.9/22

All: 0.012+/-0.016 χ^2/NDF: 40.6/40



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 80.938+/-0.034 χ^2/NDF:12134.4/3

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.188+/-0.040 χ^2/NDF:8.1/1

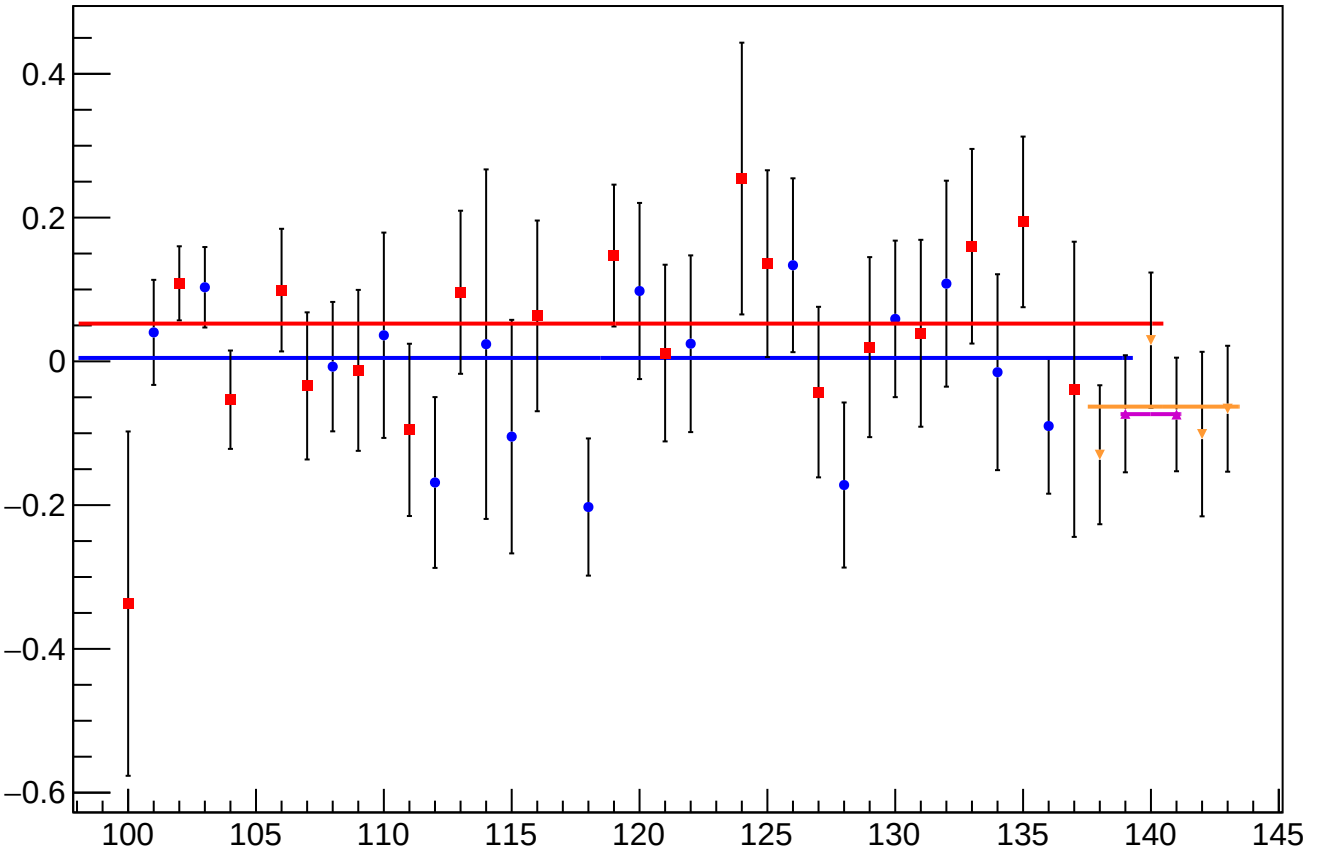
Left: 77.671+/-0.026 χ^2/NDF: 33747.2/5

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 67.846+/-0.017 χ^2/NDF:838205.5/17

Out: 66.102+/-0.015 χ^2/NDF:1360559.7/22

All: 66.898+/-0.011 χ^2/NDF: 2204728.4/40



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.063+/-0.048 χ^2/NDF:1.6/3

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.057 χ^2/NDF:0.0/1

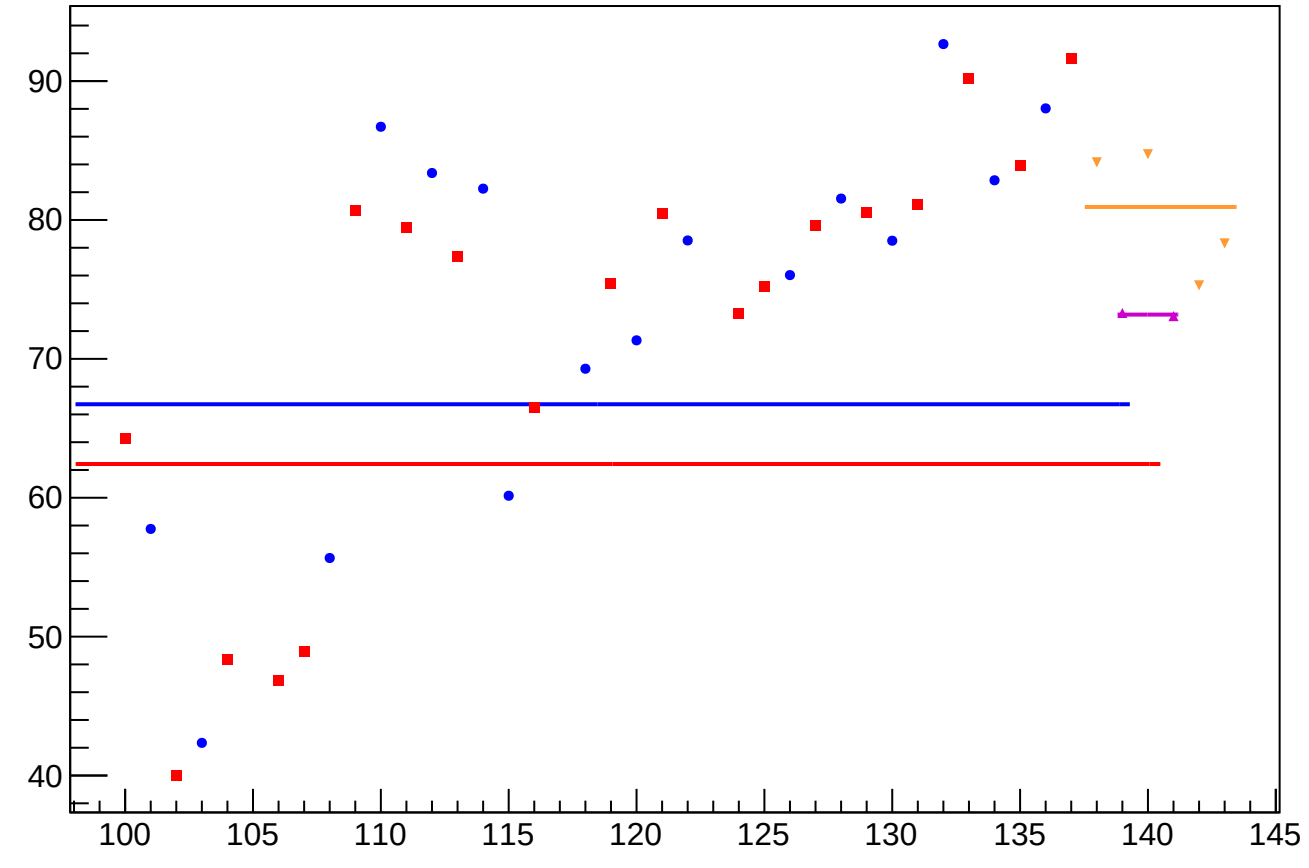
Left: -0.067+/-0.037 χ^2/NDF: 1.6/5

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.009+/-0.024 χ^2/NDF:18.2/17

Out: 0.030+/-0.022 χ^2/NDF:20.9/22

All: 0.012+/-0.016 χ^2/NDF: 40.6/40



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 80.938+/-0.034 χ^2/NDF:12134.4/3

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: 77.671+/-0.026 χ^2/NDF: 33747.2/5

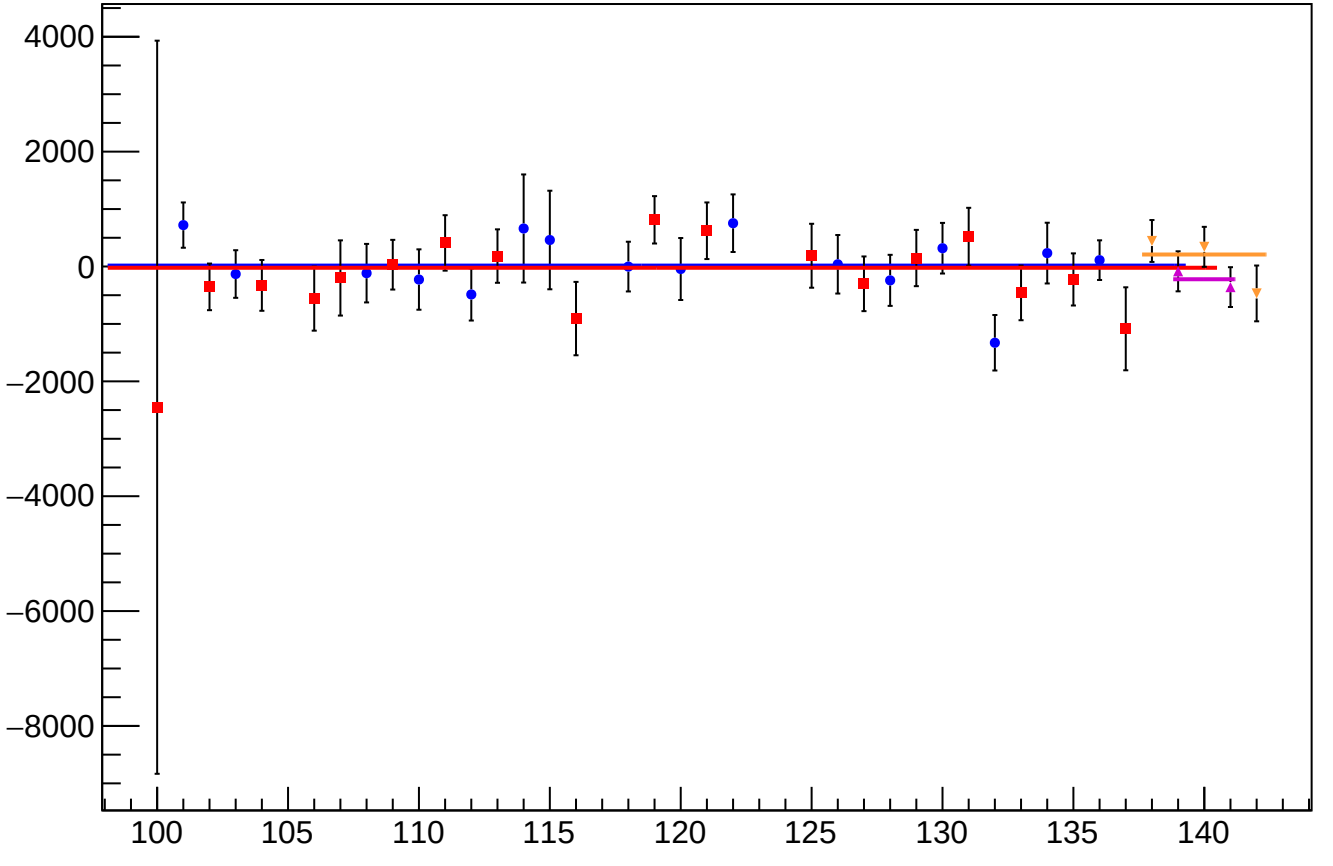
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 67.846+/-0.017 χ^2/NDF:838205.5/17

Out: 66.102+/-0.015 χ^2/NDF:1360559.7/22

All: 66.898+/-0.011 χ^2/NDF: 2204728.4/40

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 208.747+/-223.556 χ^2/NDF:2.5/2

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -222.197+/-245.775 χ^2/NDF:0.3/1

Left: 13.631+/-165.377 χ^2/NDF: 4.5/4

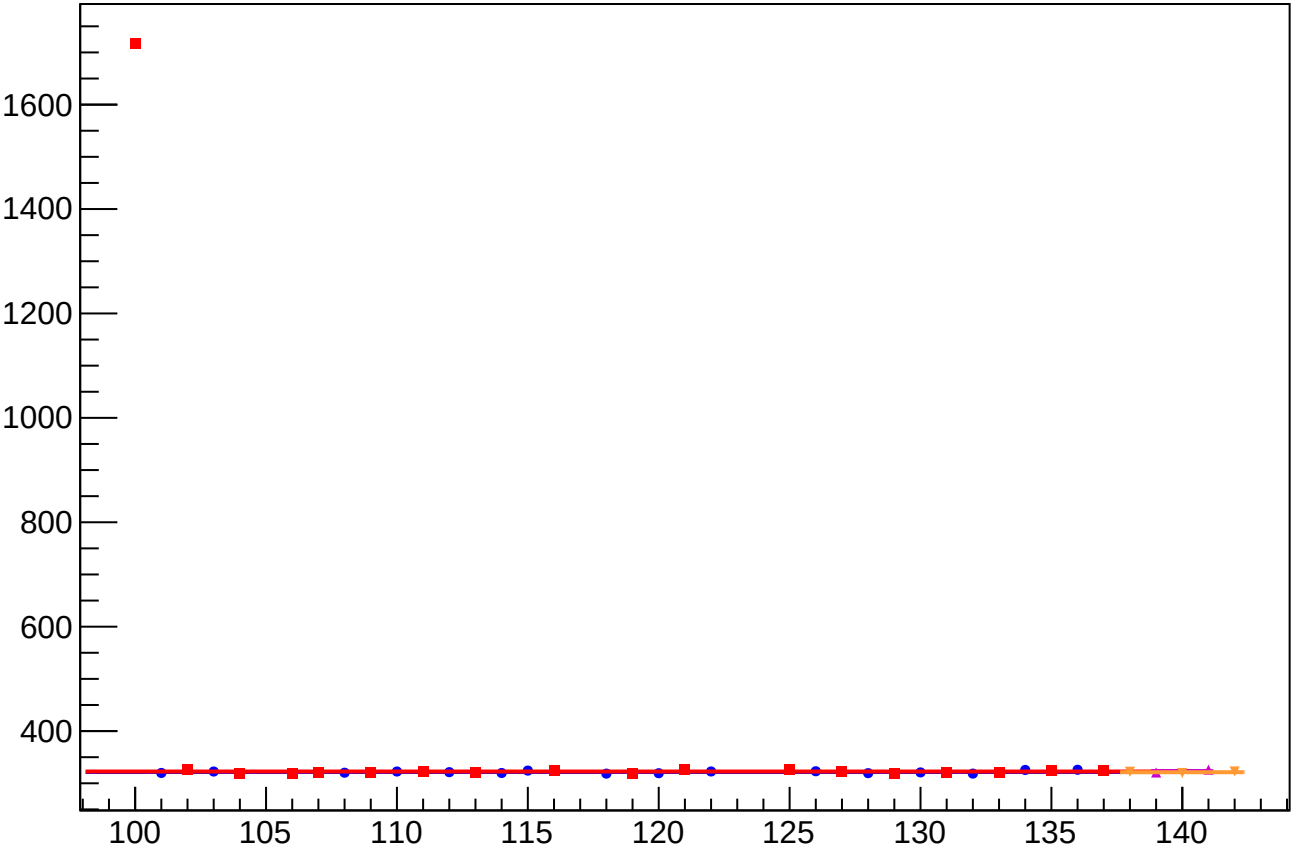
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -29.892+/-107.420 χ^2/NDF:17.6/17

Out: 28.975+/-105.190 χ^2/NDF:19.3/20

All: 0.158+/-75.157 χ^2/NDF: 37.1/38

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 321.243+/-0.158 χ^2/NDF:66.7/2

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: 322.230+/-0.117 χ^2/NDF: 394.6/4

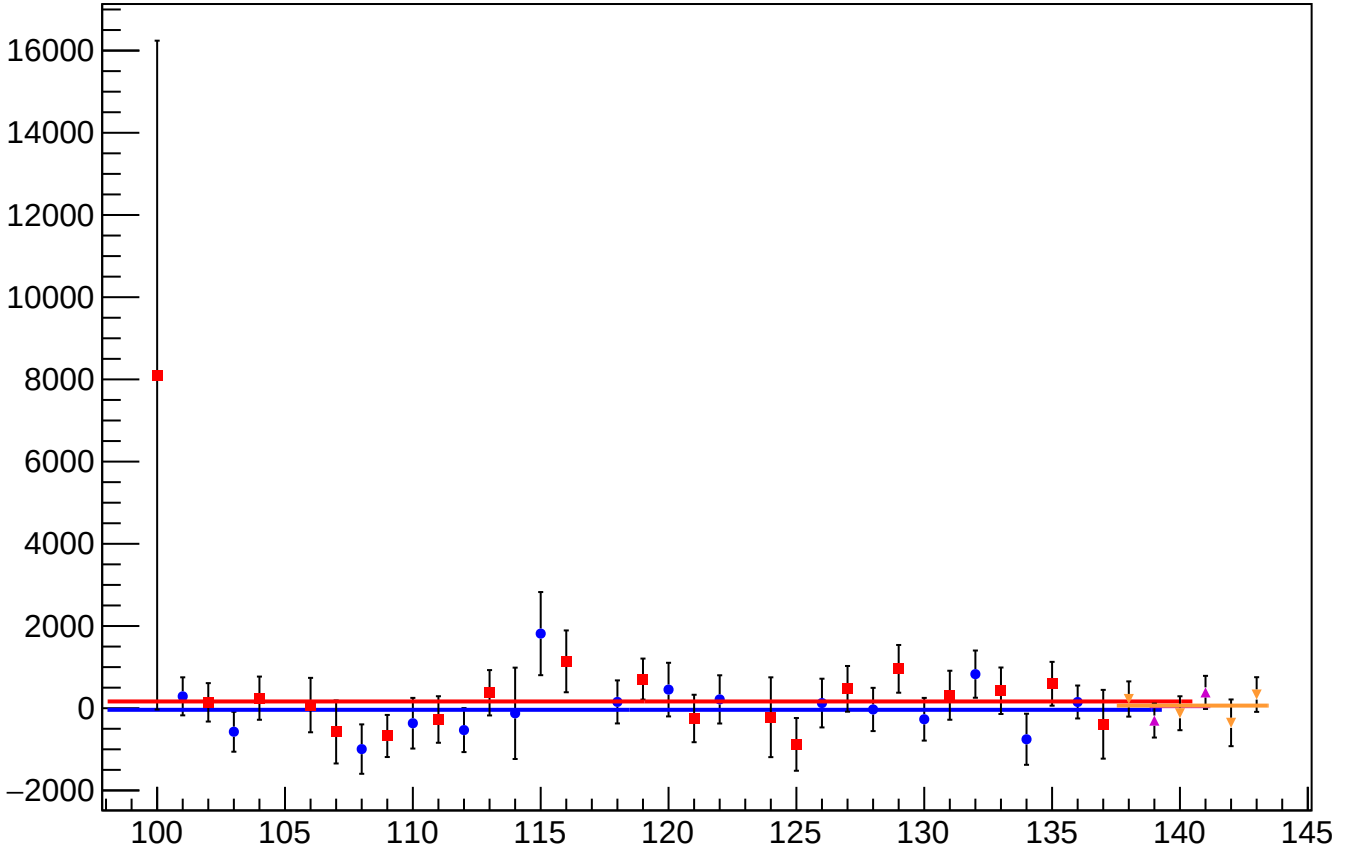
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 321.951+/-0.076 χ^2/NDF:1153.3/17

Out: 322.263+/-0.074 χ^2/NDF:97012.1/20

All: 322.110+/-0.053 χ^2/NDF: 98173.9/38

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 63.631+/-223.477 χ^2/NDF:1.3/3

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: 58.452+/-176.562 χ^2/NDF: 2.7/5

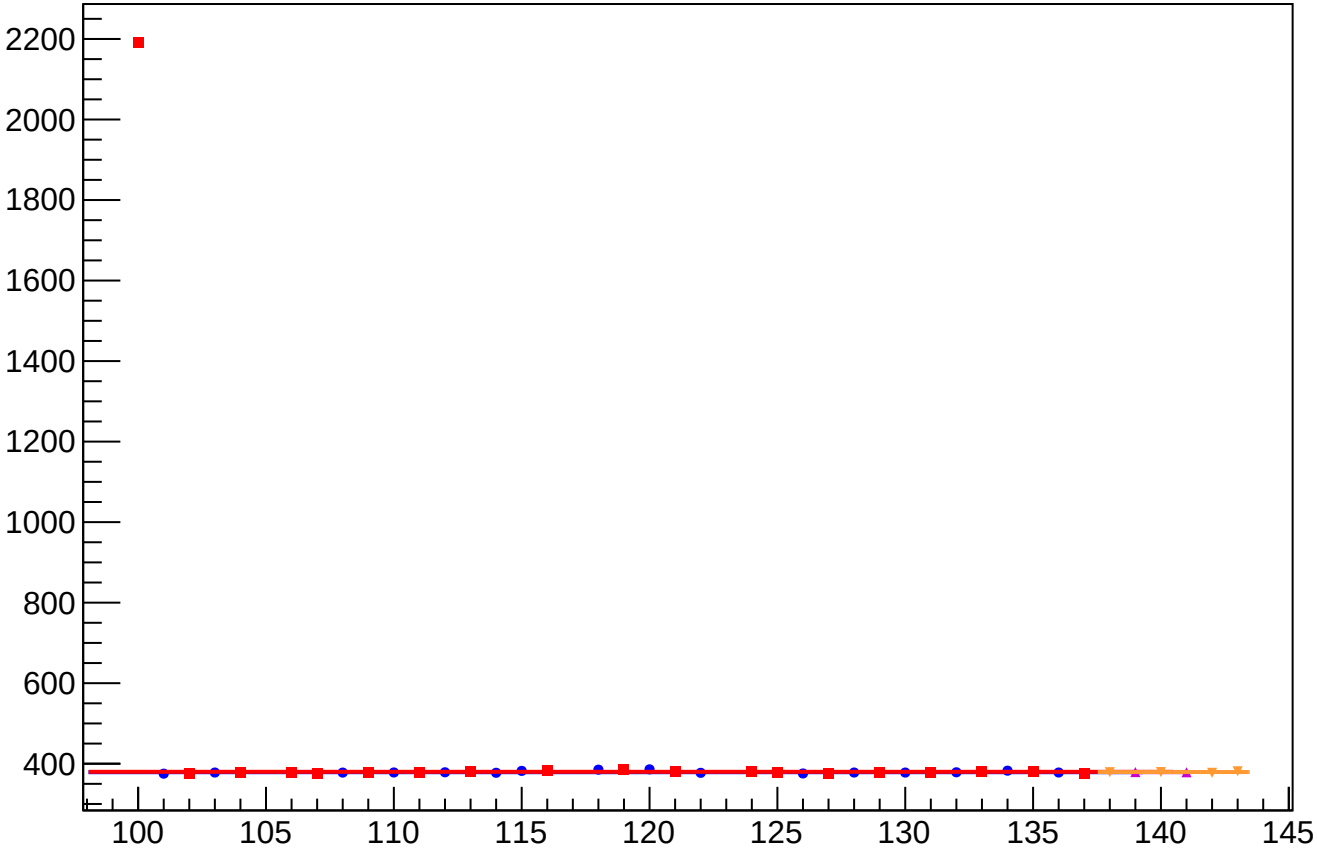
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -21.810+/-126.436 χ^2/NDF:15.2/17

Out: 136.474+/-118.008 χ^2/NDF:16.5/22

All: 62.783+/-86.270 χ^2/NDF: 32.6/40

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 379.310+/-0.158 χ^2/NDF:61.7/3

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: 379.197+/-0.125 χ^2/NDF: 64.7/5

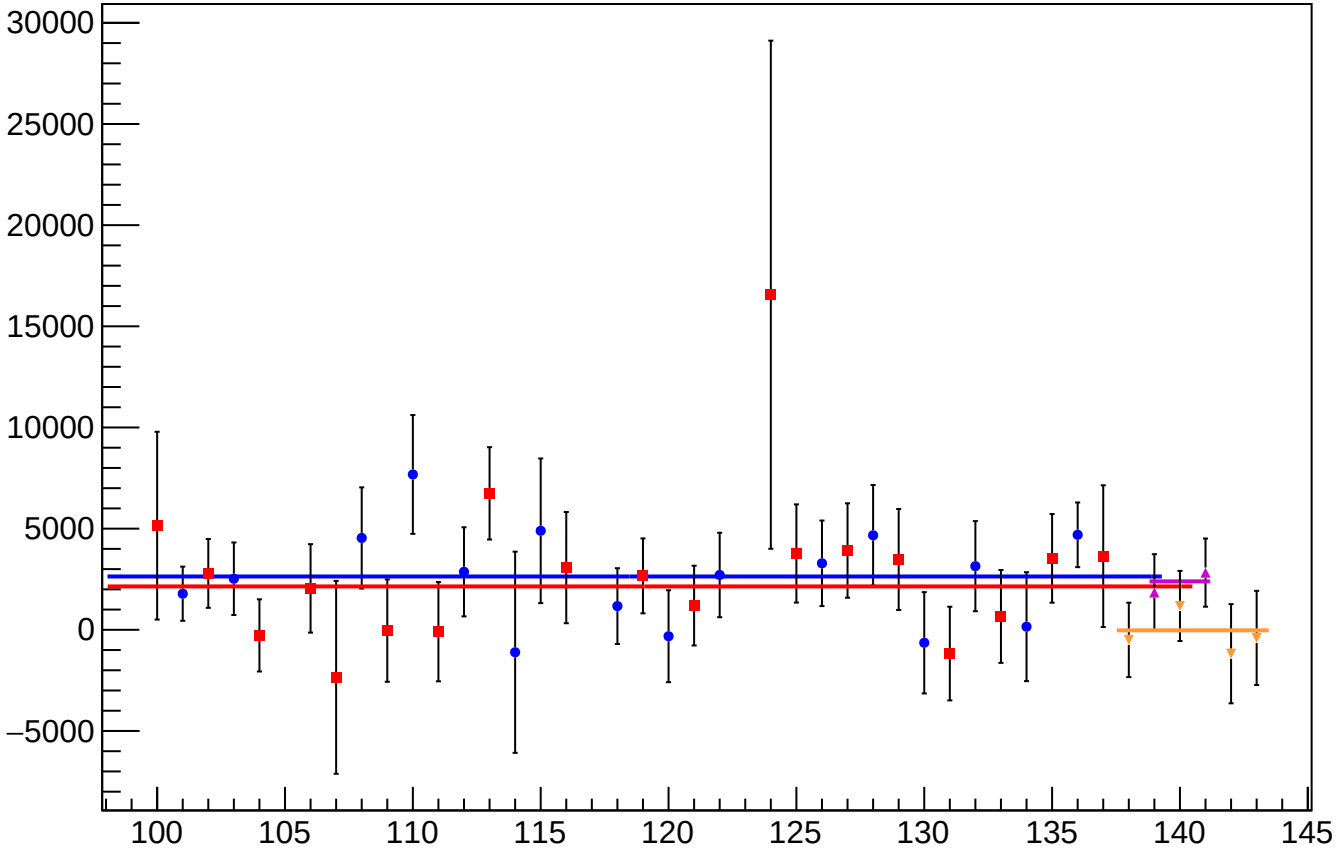
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.929+/-0.089 χ^2/NDF:853.0/17

Out: 379.719+/-0.083 χ^2/NDF:99692.5/22

All: 379.352+/-0.061 χ^2/NDF: 100587.2/40

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: -26.240+/-1010.282 χ^2/NDF:0.8/3

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: 922.990+/-787.565 χ^2/NDF: 3.2/5

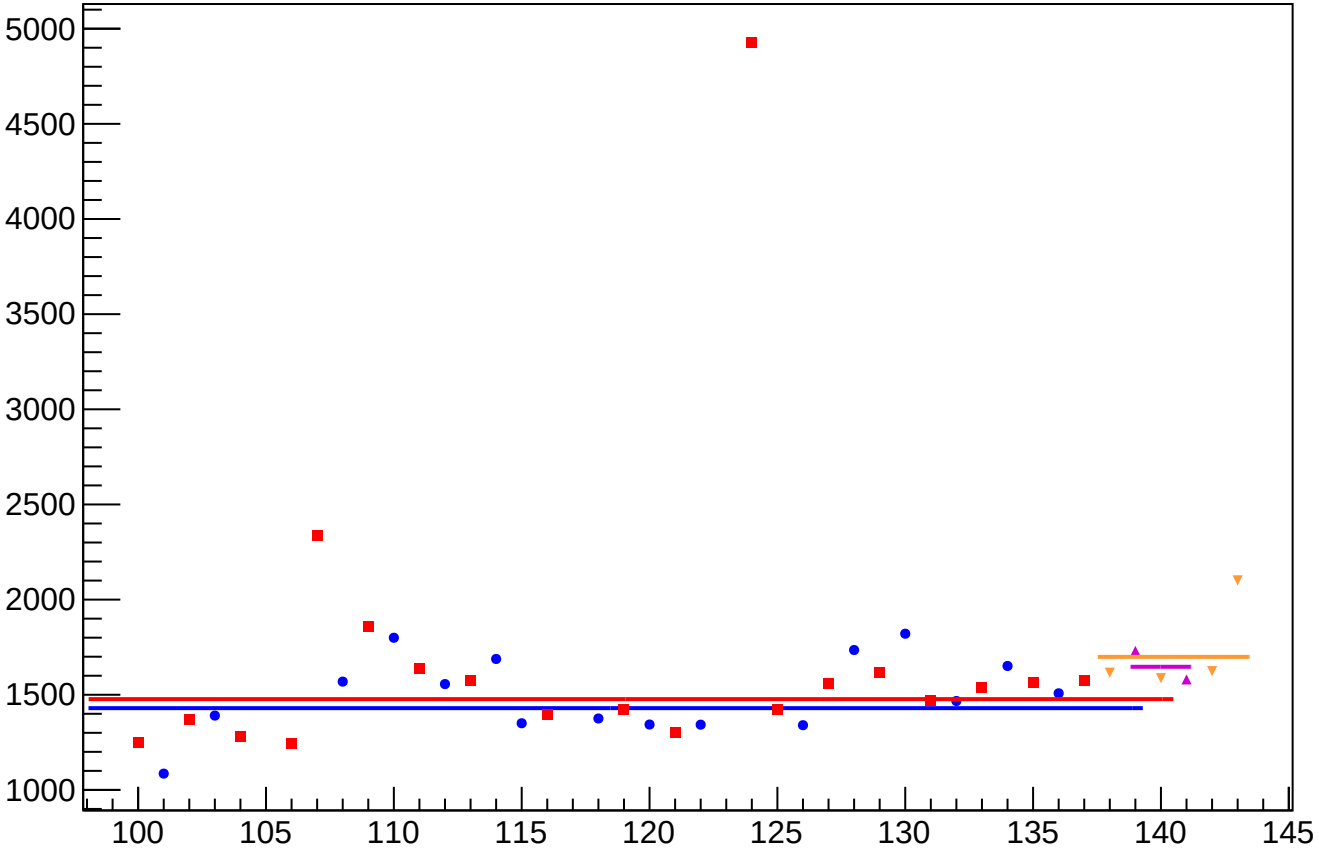
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1652.510+/-480.995 χ^2/NDF:19.4/22

All: 2111.995+/-344.842 χ^2/NDF: 33.7/40

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1699.087+/-0.714 χ^2/NDF:74002.3/3

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

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

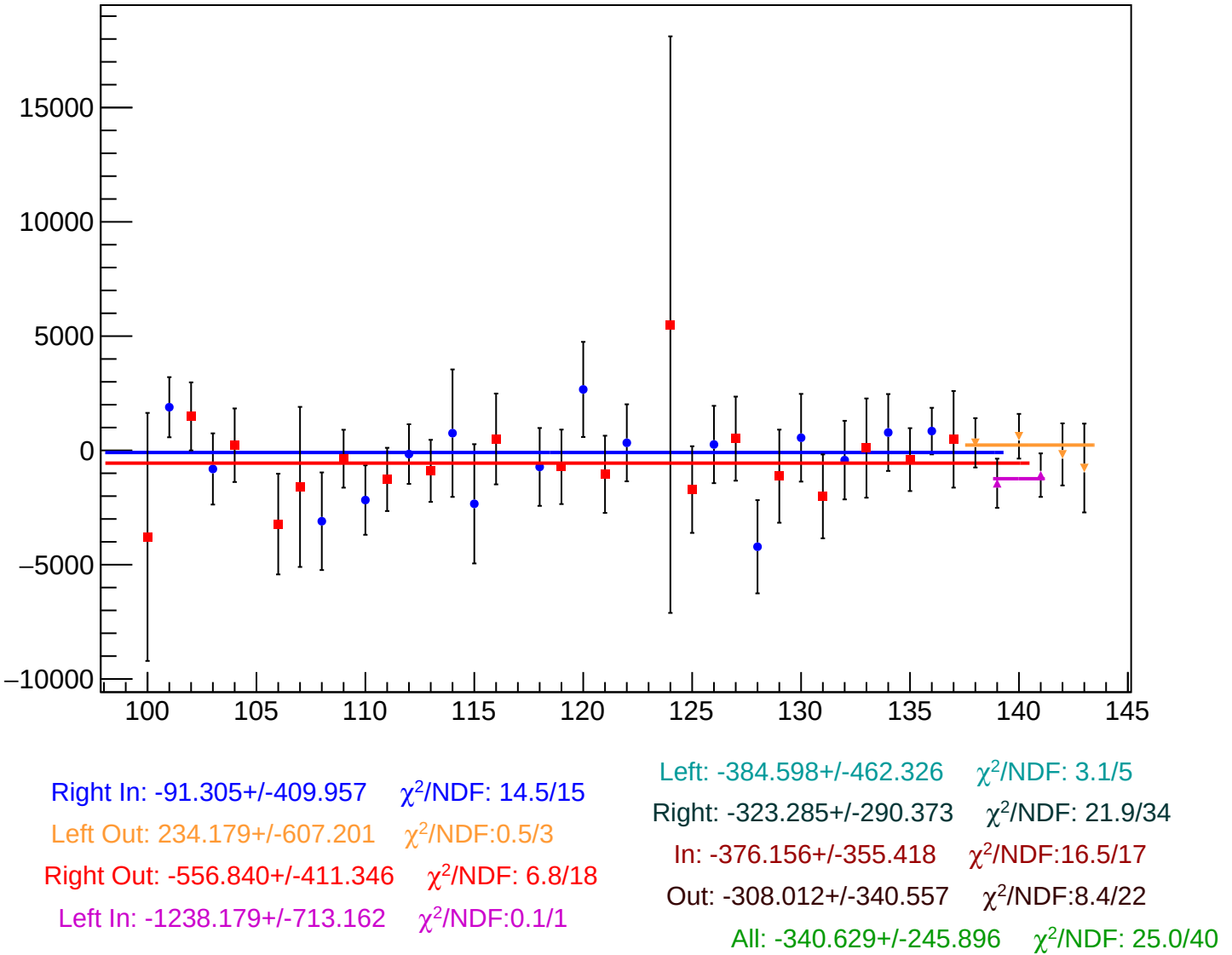
Left: 1678.651+/-0.557 χ^2/NDF: 83107.1/5

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

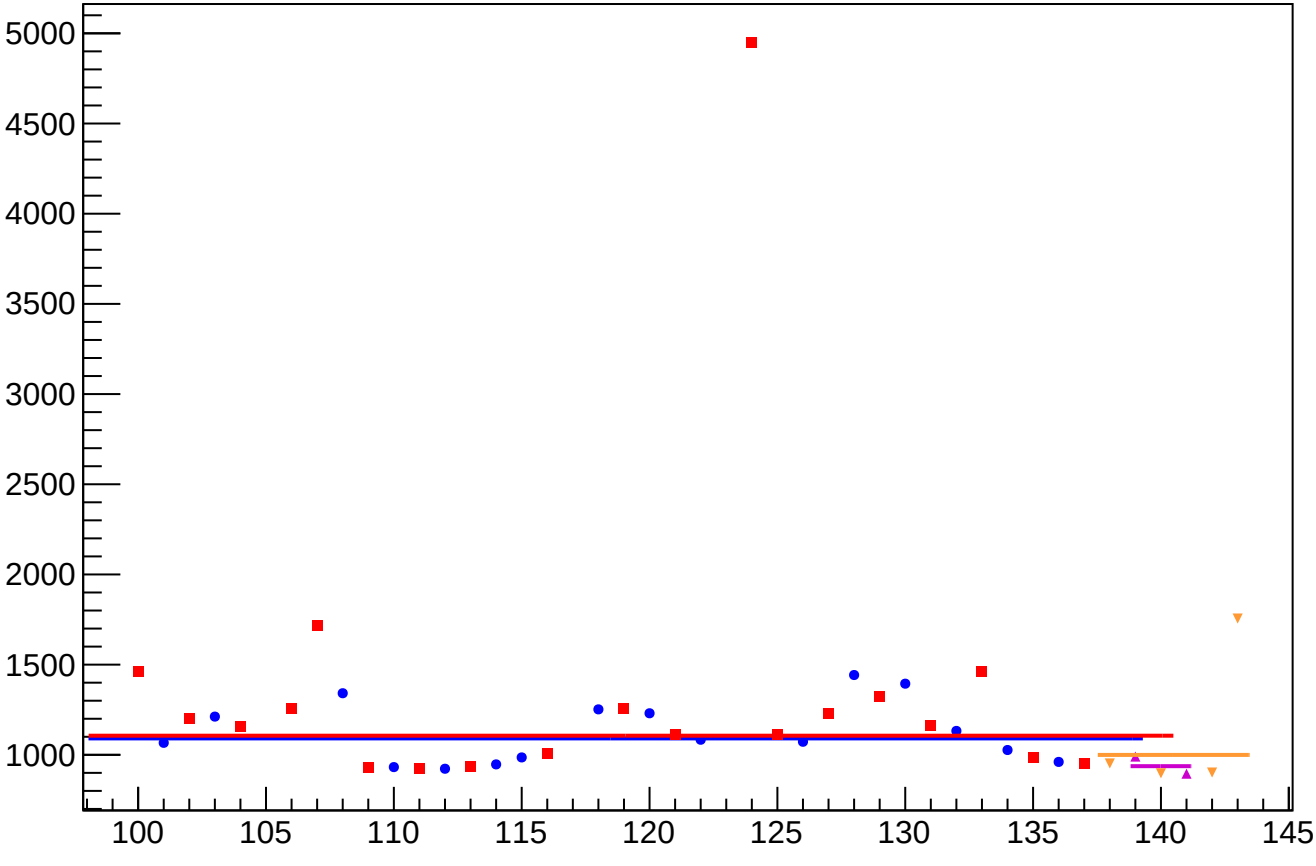
In: 1463.289+/-0.350 χ^2/NDF:350913.2/17

Out: 1527.438+/-0.340 χ^2/NDF:518088.4/22

All: 1496.261+/-0.244 χ^2/NDF: 886290.5/40


asym_us_agg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 234.179+/-607.201 χ²/NDF:0.5/3
Right Out: -556.840+/-411.346 χ²/NDF: 6.8/18
Left In: -1238.179+/-713.162 χ²/NDF:0.1/1
Left: -384.598+/-462.326 χ²/NDF: 3.1/5
Right: -323.285+/-290.373 χ²/NDF: 21.9/34
In: -376.156+/-355.418 χ²/NDF:16.5/17
Out: -308.012+/-340.557 χ²/NDF:8.4/22
All: -340.629+/-245.896 χ²/NDF: 25.0/40

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 999.500+/-0.429 χ^2/NDF:338670.4/3

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: 973.292+/-0.327 χ^2/NDF: 356252.7/5

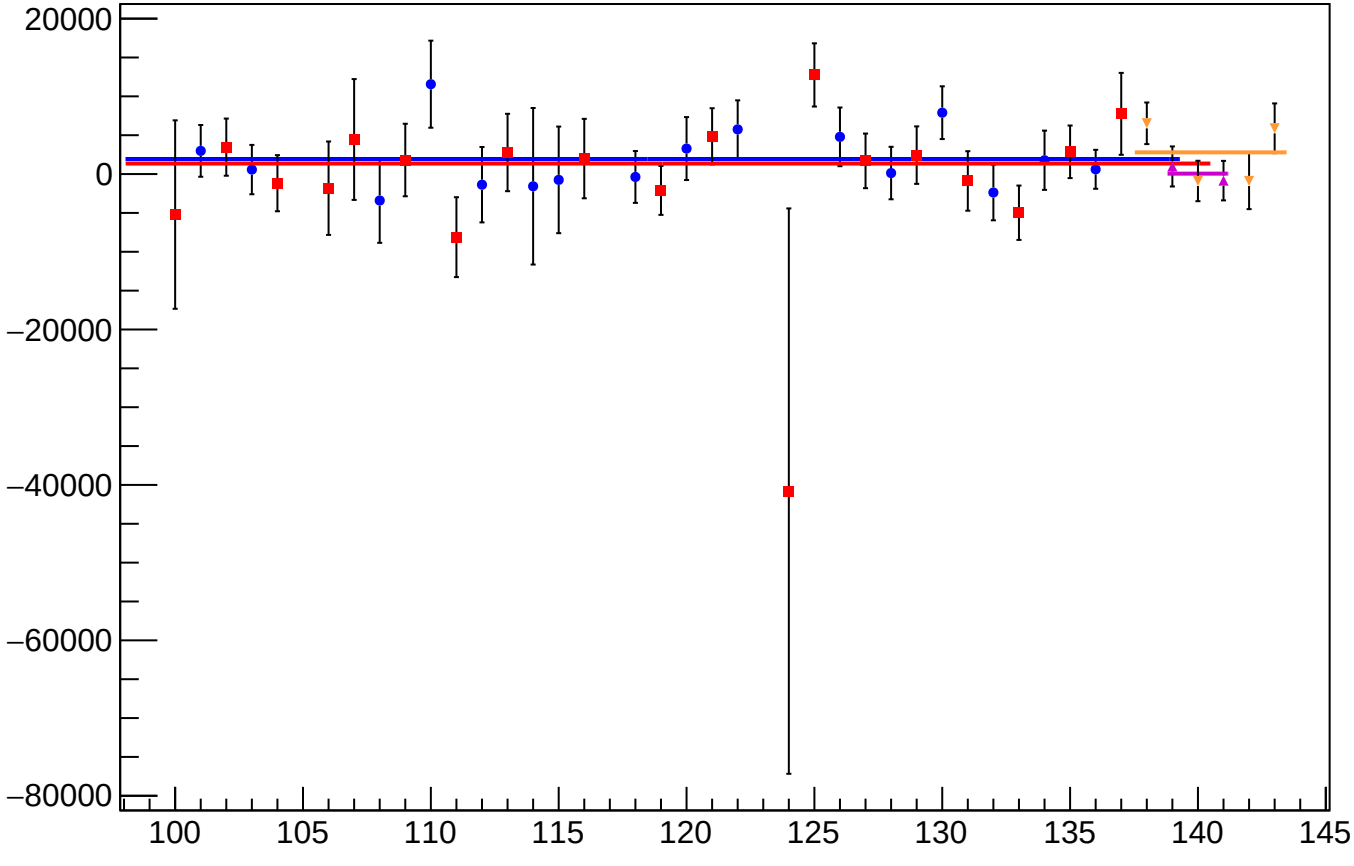
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1072.530+/-0.241 χ^2/NDF:894977.0/22

All: 1063.094+/-0.174 χ^2/NDF: 1254213.5/40

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2791.938+/-1472.096 χ^2/NDF:5.9/3

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: 1701.884+/-1141.956 χ^2/NDF: 7.6/5

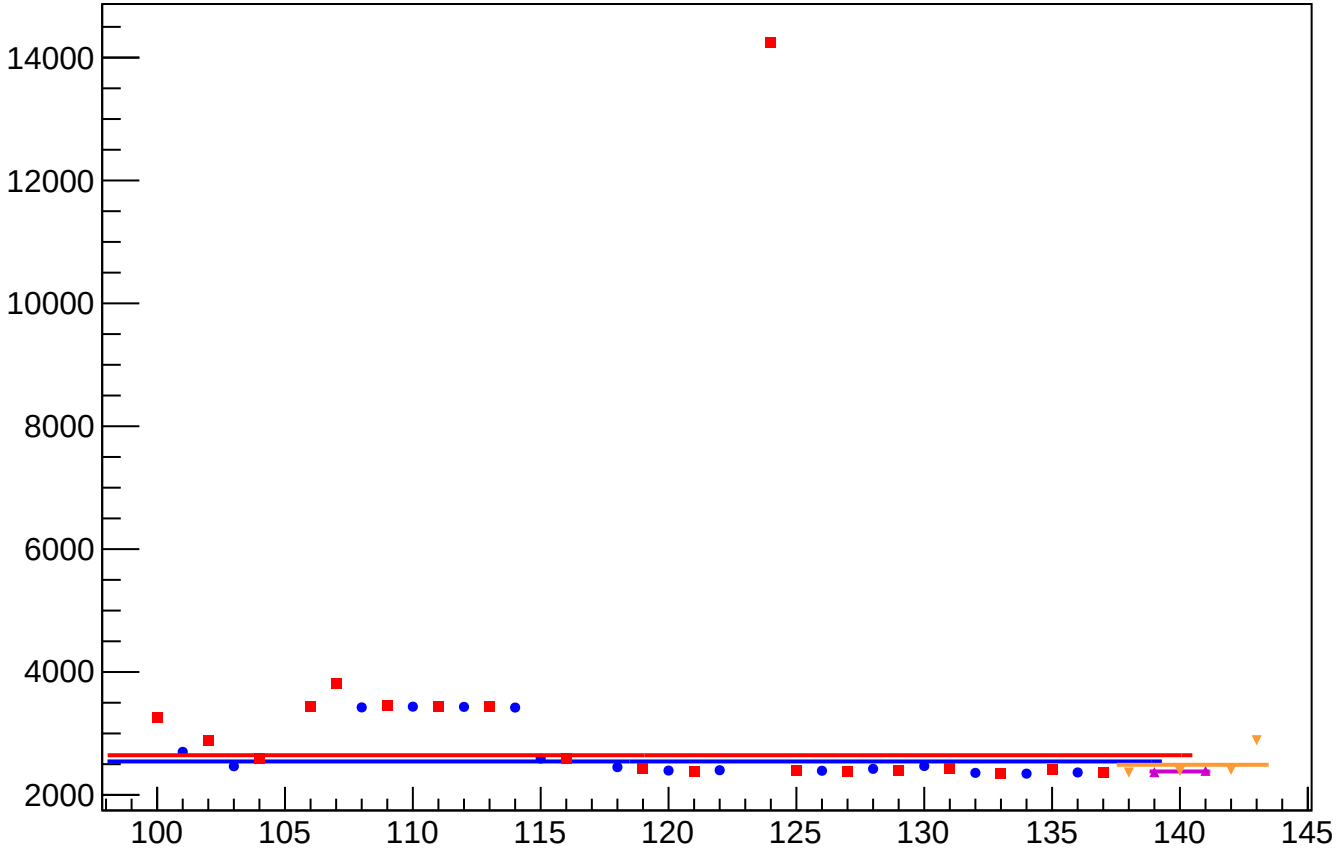
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1530.695+/-842.894 χ^2/NDF:13.3/17

Out: 1798.370+/-818.712 χ^2/NDF:28.4/22

All: 1668.427+/-587.280 χ^2/NDF: 41.8/40

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

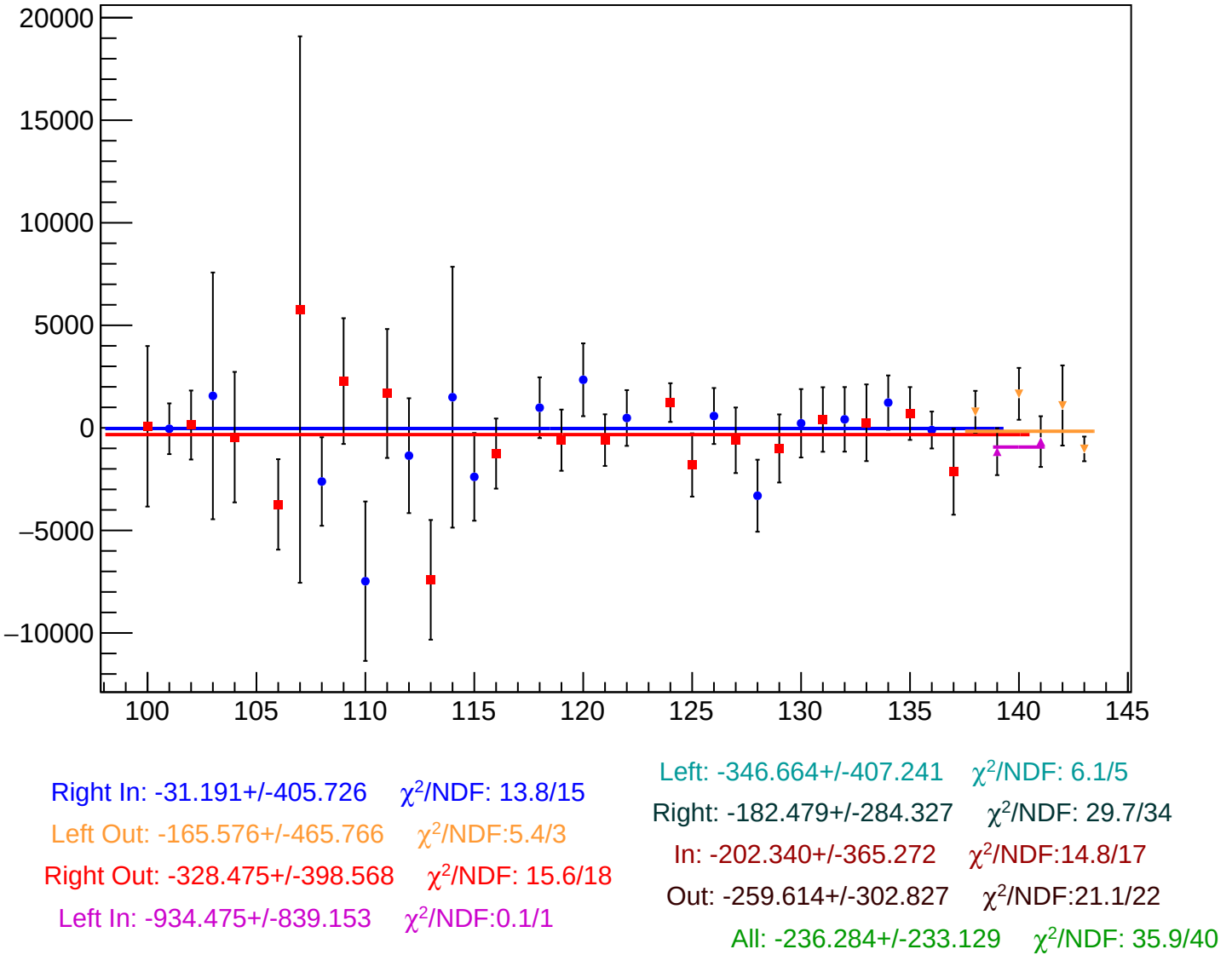
Left: 2446.748+/-0.807 χ^2/NDF: 44323.7/5

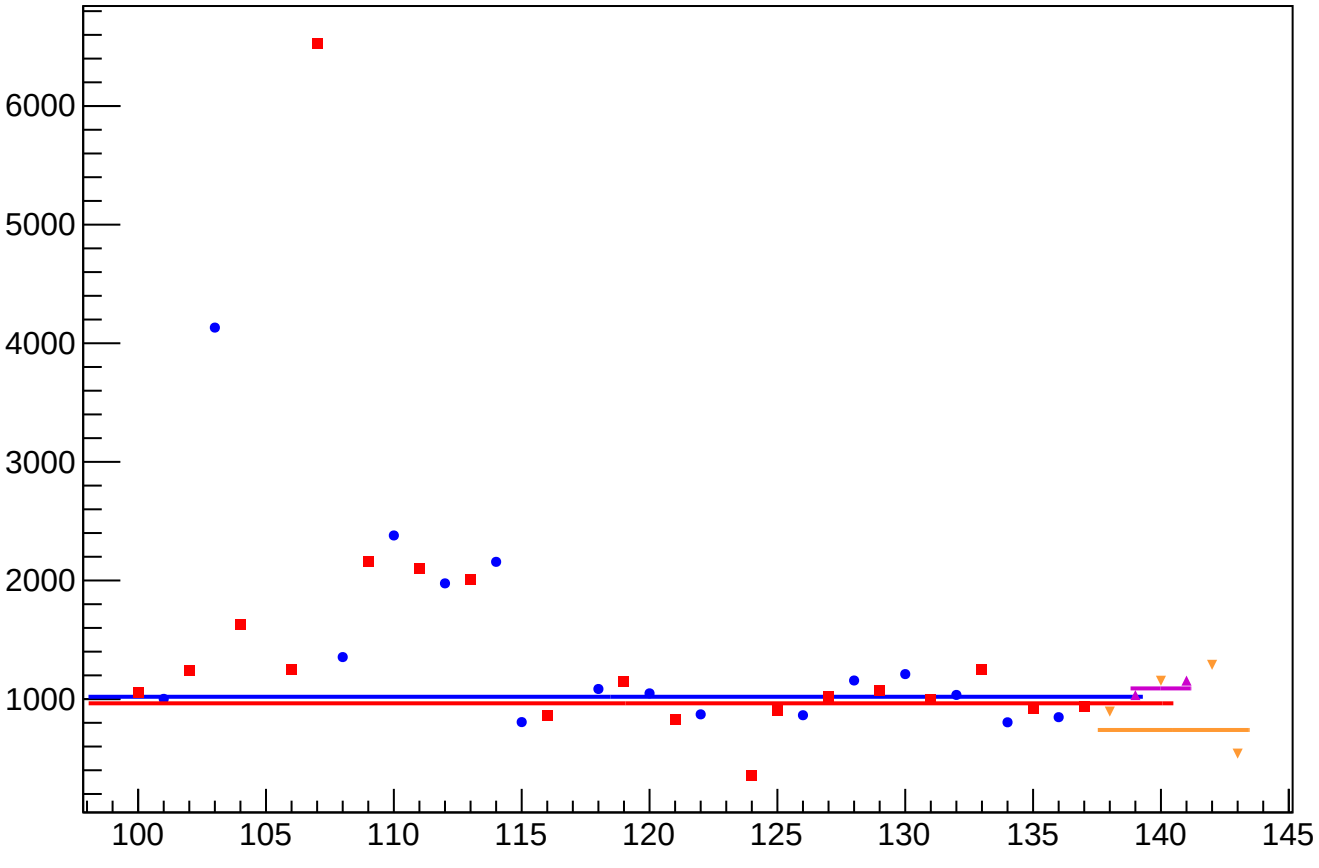
Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2509.019+/-0.596 χ^2/NDF:238412.7/17

Out: 2597.529+/-0.579 χ^2/NDF:592294.7/22

All: 2554.562+/-0.415 χ^2/NDF: 842054.9/40


asym_atl1_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -31.191+/-405.726 χ²/NDF: 13.8/15
Left Out: -165.576+/-465.766 χ²/NDF:5.4/3
Right Out: -328.475+/-398.568 χ²/NDF: 15.6/18
Left In: -934.475+/-839.153 χ²/NDF:0.1/1
Left: -346.664+/-407.241 χ²/NDF: 6.1/5
Right: -182.479+/-284.327 χ²/NDF: 29.7/34
In: -202.340+/-365.272 χ²/NDF:14.8/17
Out: -259.614+/-302.827 χ²/NDF:21.1/22
All: -236.284+/-233.129 χ²/NDF: 35.9/40



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 739.647+/-0.329 χ^2/NDF:639200.1/3

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: 822.166+/-0.288 χ^2/NDF: 916247.4/5

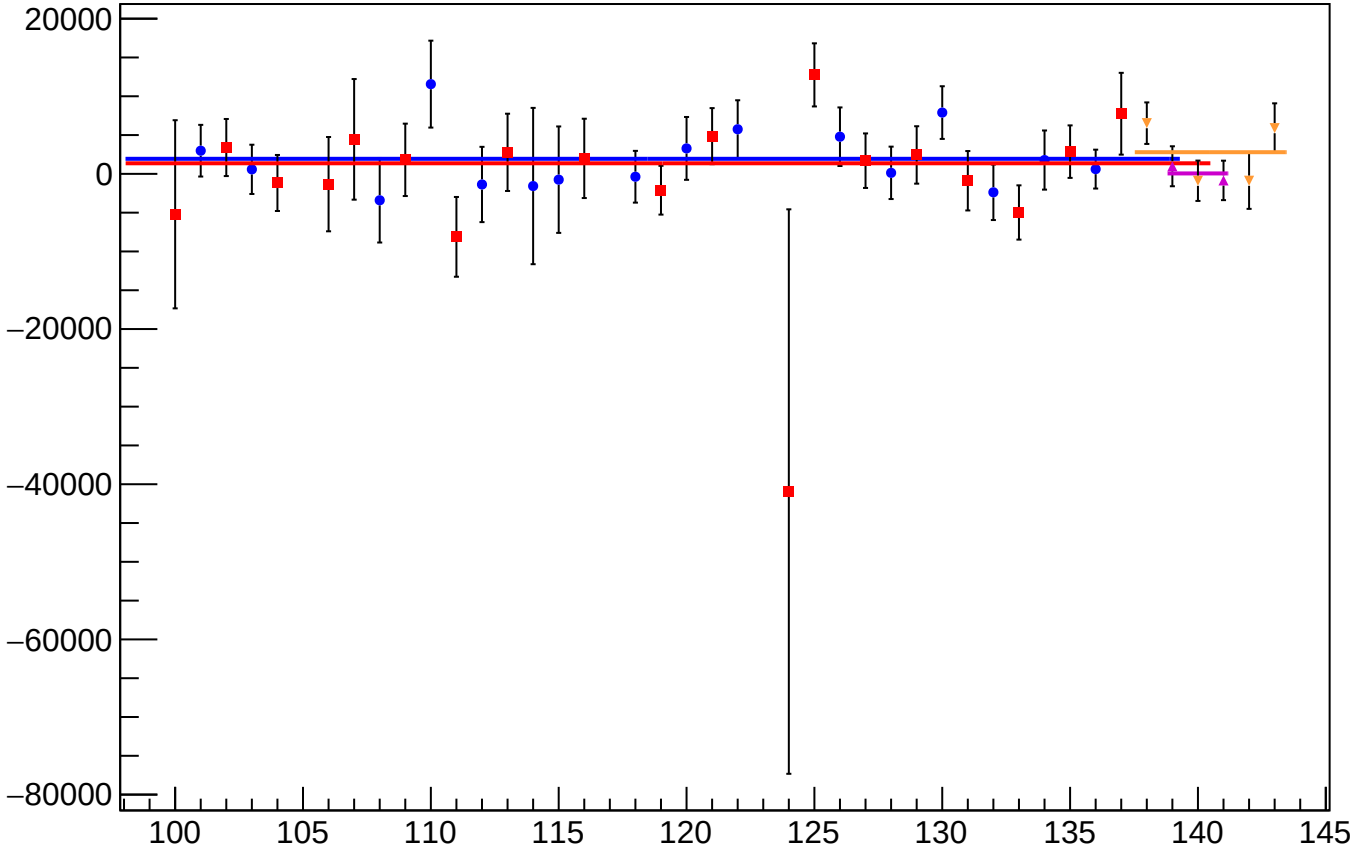
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 1032.881+/-0.258 χ^2/NDF:1386682.2/17

Out: 869.380+/-0.214 χ^2/NDF:3217346.8/22

All: 935.981+/-0.165 χ^2/NDF: 4841516.2/40

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2792.031+/-1472.096 χ^2/NDF:5.9/3

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: 1702.139+/-1141.956 χ^2/NDF: 7.6/5

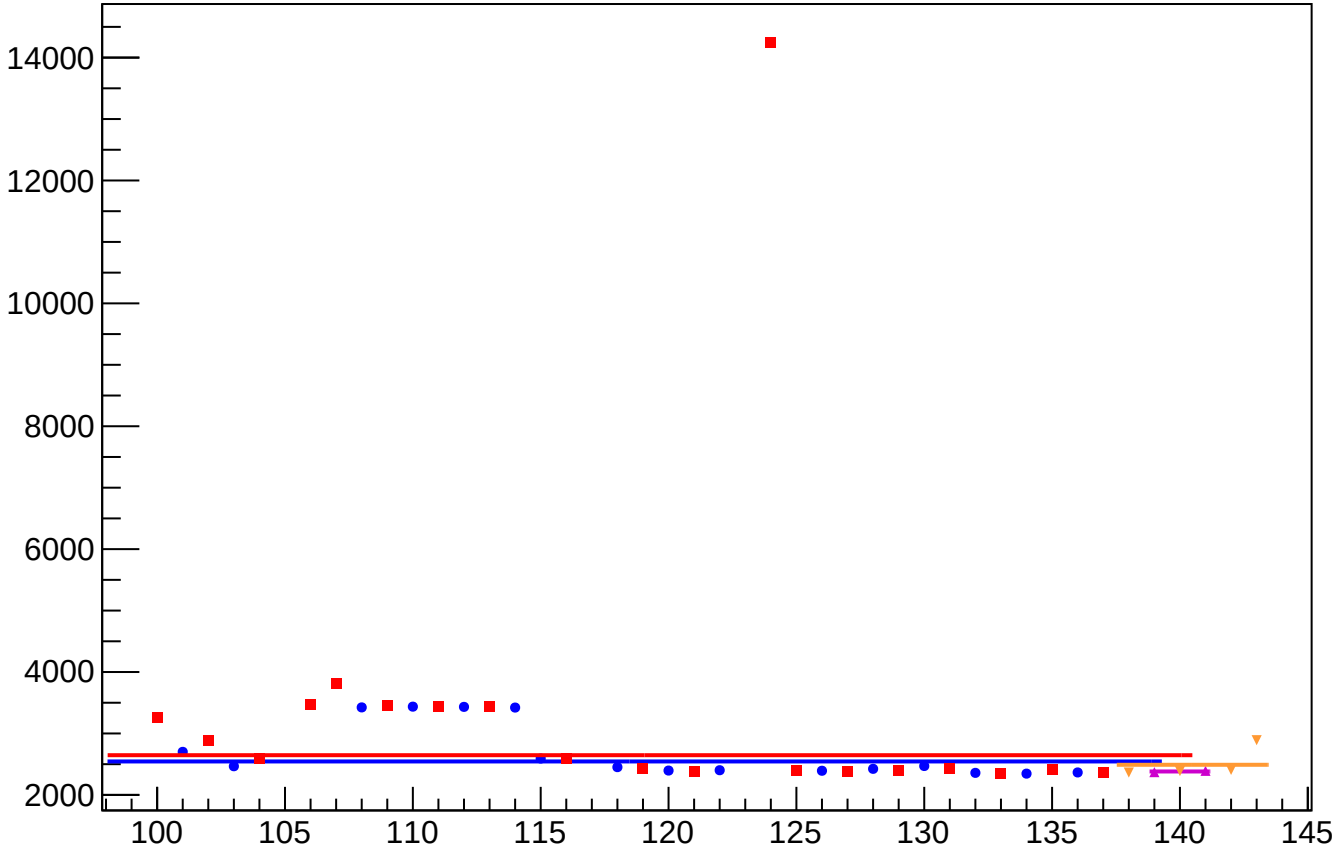
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1531.077+/-842.894 χ^2/NDF:13.3/17

Out: 1805.258+/-818.885 χ^2/NDF:28.3/22

All: 1672.128+/-587.344 χ^2/NDF: 41.7/40

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

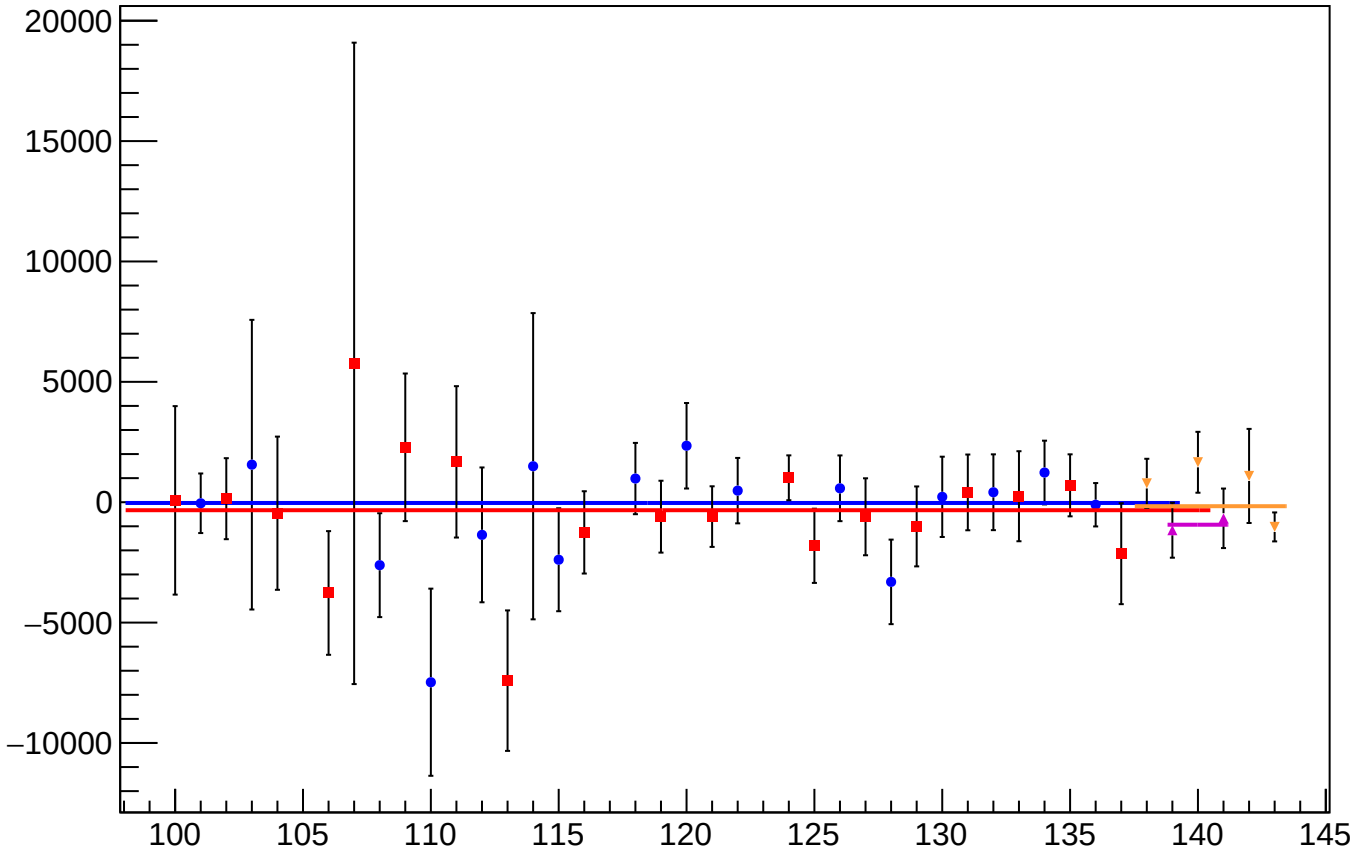
Left: 2446.748+/-0.807 χ^2/NDF: 44323.7/5

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2509.019+/-0.596 χ^2/NDF:238412.7/17

Out: 2597.893+/-0.579 χ^2/NDF:594983.9/22

All: 2554.740+/-0.415 χ^2/NDF: 844835.2/40



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: -165.438+/-465.782 χ^2/NDF:5.4/3

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -934.483+/-839.155 χ^2/NDF:0.1/1

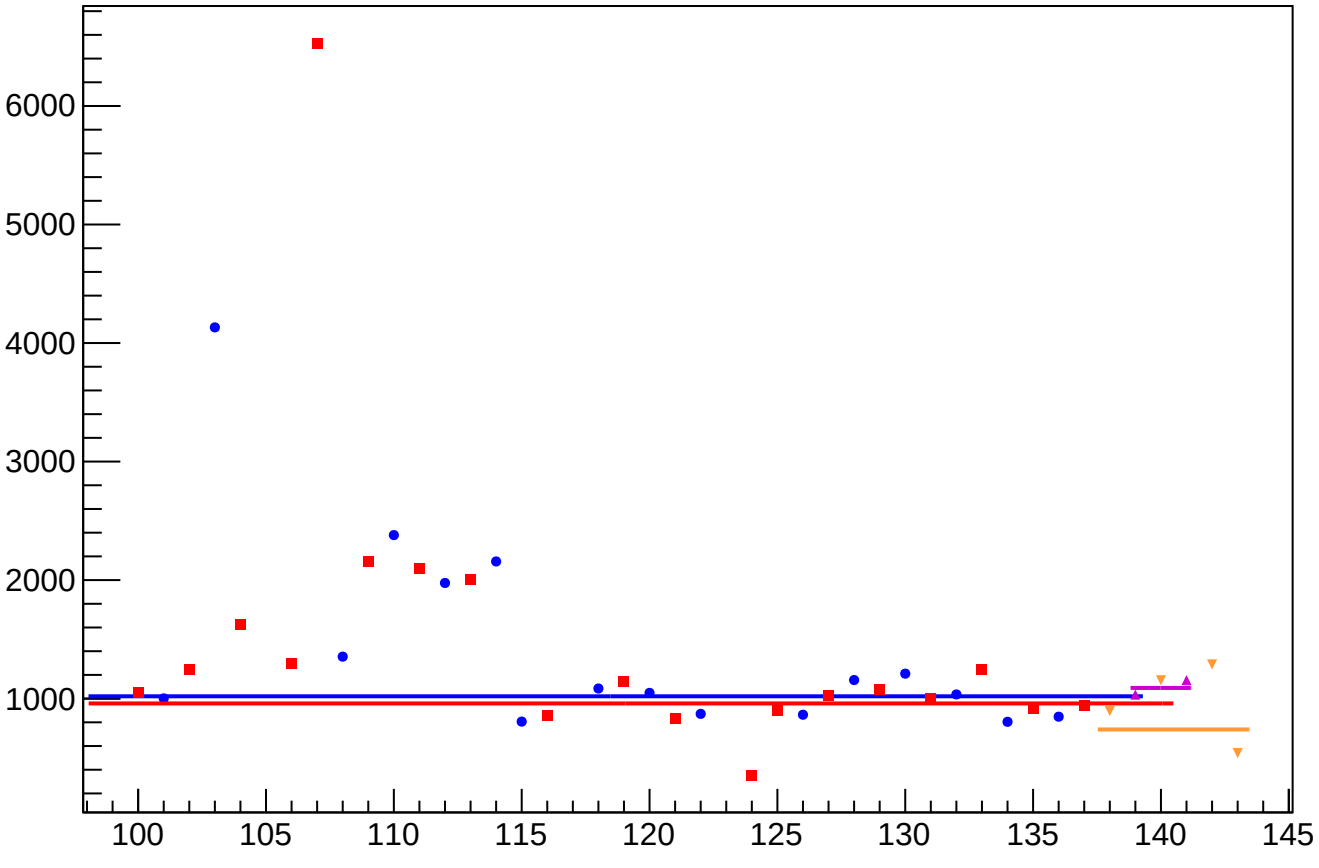
Left: -346.570+/-407.252 χ^2/NDF: 6.1/5

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -202.389+/-365.270 χ^2/NDF:14.8/17

Out: -261.416+/-303.167 χ^2/NDF:19.9/22

All: -237.339+/-233.284 χ^2/NDF: 34.7/40



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 739.679+/-0.329 χ^2/NDF:639119.8/3

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1090.023+/-0.593 χ^2/NDF:10496.3/1

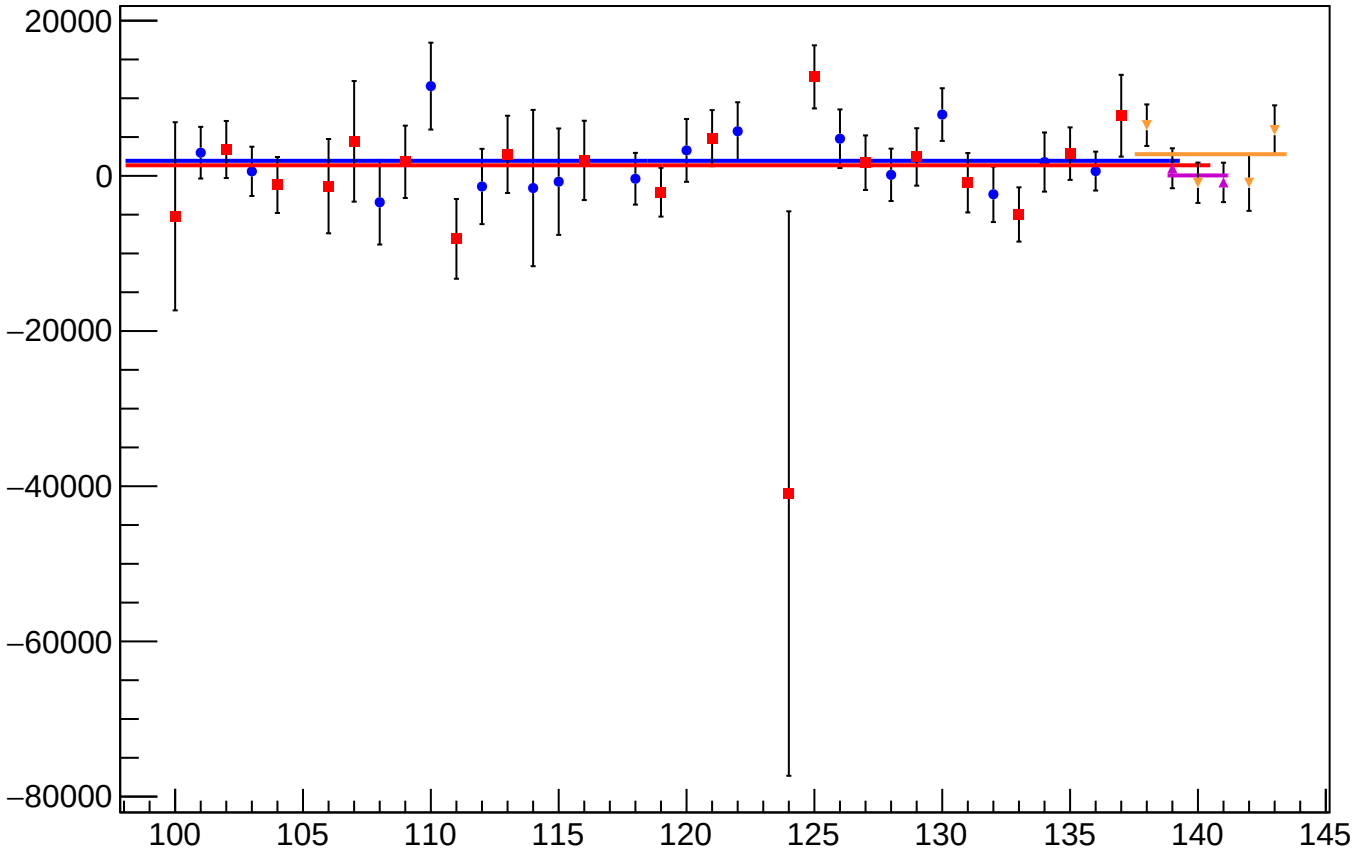
Left: 822.194+/-0.288 χ^2/NDF: 916115.8/5

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1032.873+/-0.258 χ^2/NDF:1386681.8/17

Out: 866.284+/-0.214 χ^2/NDF:3239932.4/22

All: 934.234+/-0.165 χ^2/NDF: 4872934.0/40



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2792.031+/-1472.096 χ^2/NDF:5.9/3

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: 1702.139+/-1141.956 χ^2/NDF: 7.6/5

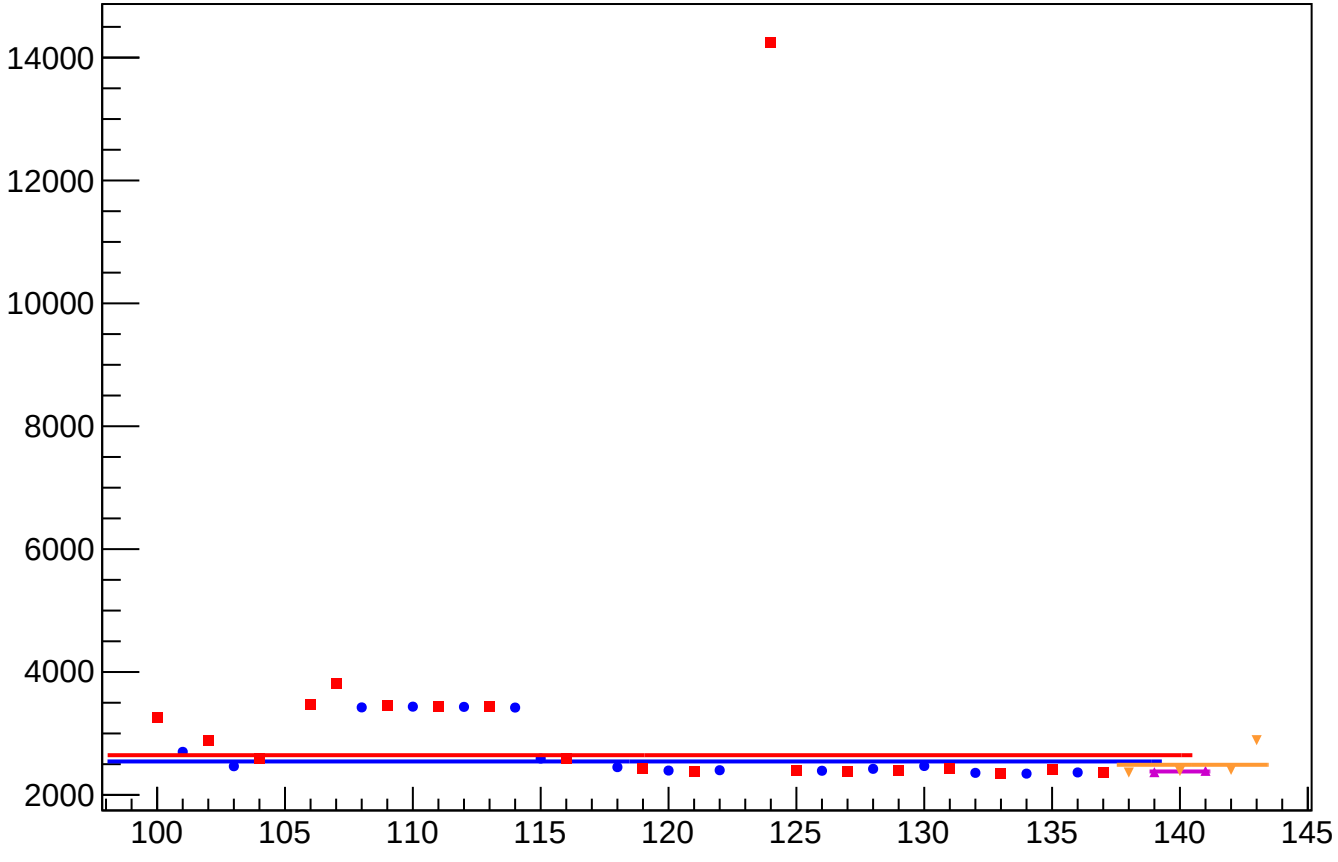
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1531.077+/-842.894 χ^2/NDF:13.3/17

Out: 1805.258+/-818.885 χ^2/NDF:28.3/22

All: 1672.128+/-587.344 χ^2/NDF: 41.7/40

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2490.080+/-1.041 χ^2/NDF:39902.9/3

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2381.269+/-1.280 χ^2/NDF:69.2/1

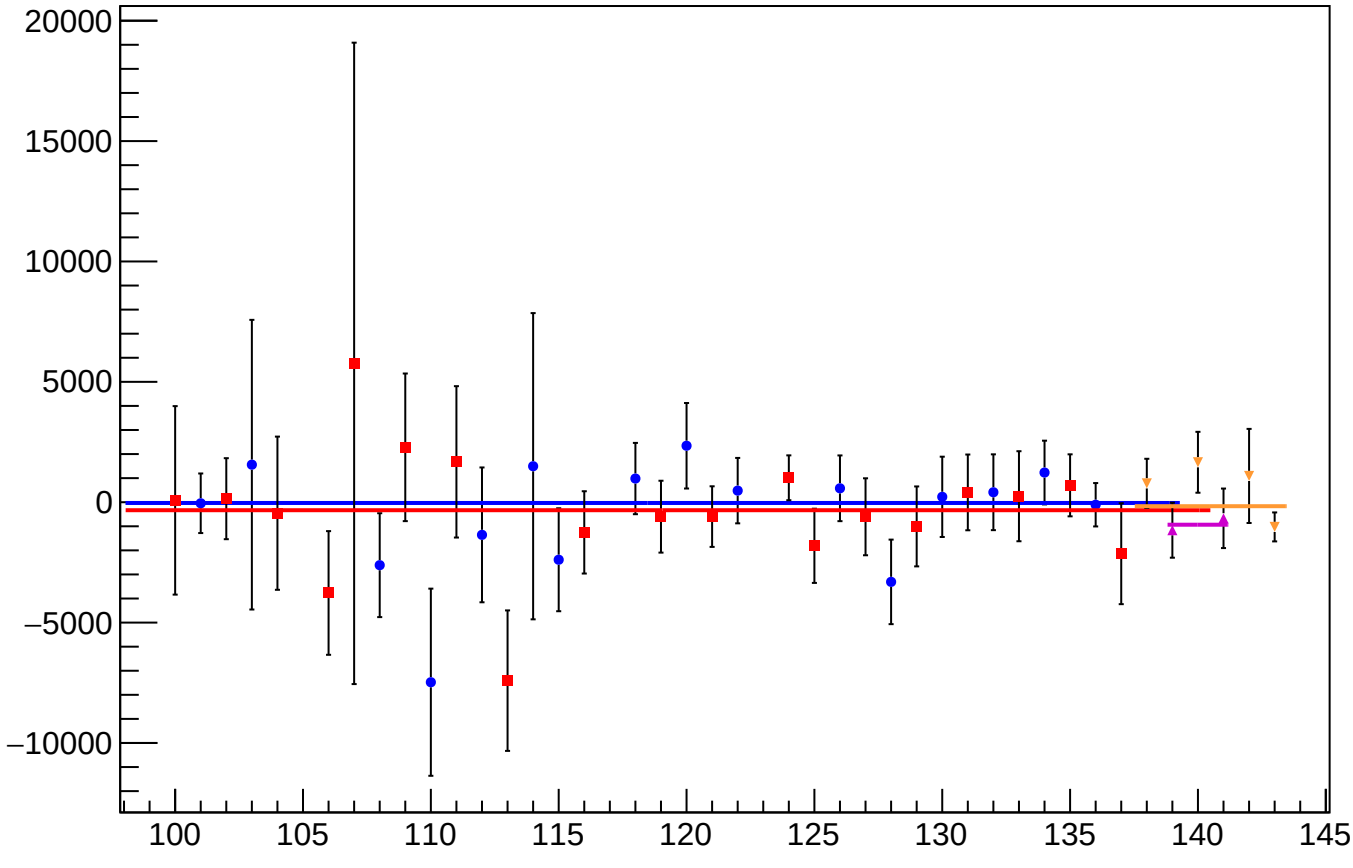
Left: 2446.748+/-0.807 χ^2/NDF: 44323.7/5

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2509.019+/-0.596 χ^2/NDF:238412.7/17

Out: 2597.893+/-0.579 χ^2/NDF:594983.9/22

All: 2554.740+/-0.415 χ^2/NDF: 844835.2/40



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: -165.438+/-465.782 χ^2/NDF:5.4/3

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -934.483+/-839.155 χ^2/NDF:0.1/1

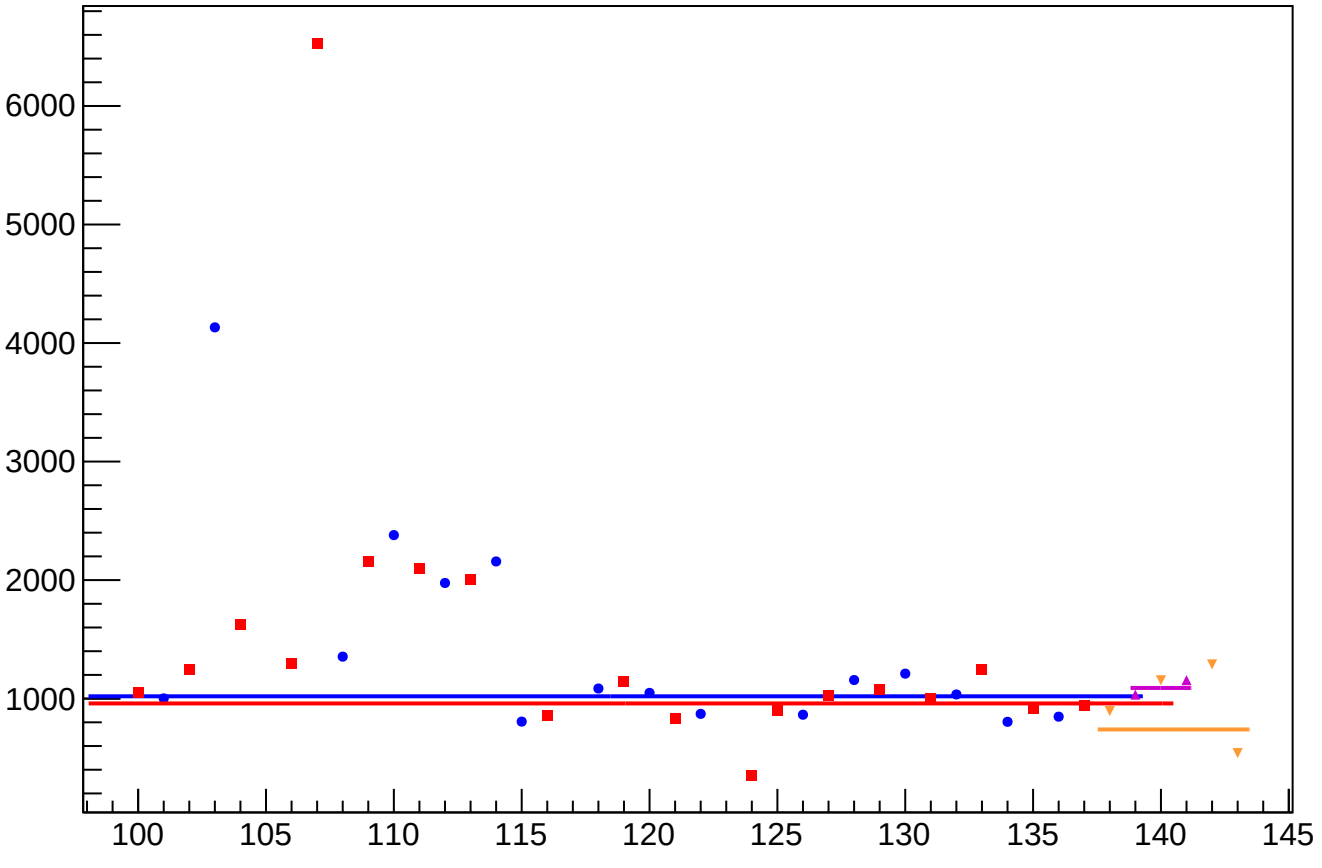
Left: -346.570+/-407.252 χ^2/NDF: 6.1/5

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -202.389+/-365.270 χ^2/NDF:14.8/17

Out: -261.416+/-303.167 χ^2/NDF:19.9/22

All: -237.339+/-233.284 χ^2/NDF: 34.7/40



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 739.679+/-0.329 χ^2/NDF:639119.8/3

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 1090.023+/-0.593 χ^2/NDF:10496.3/1

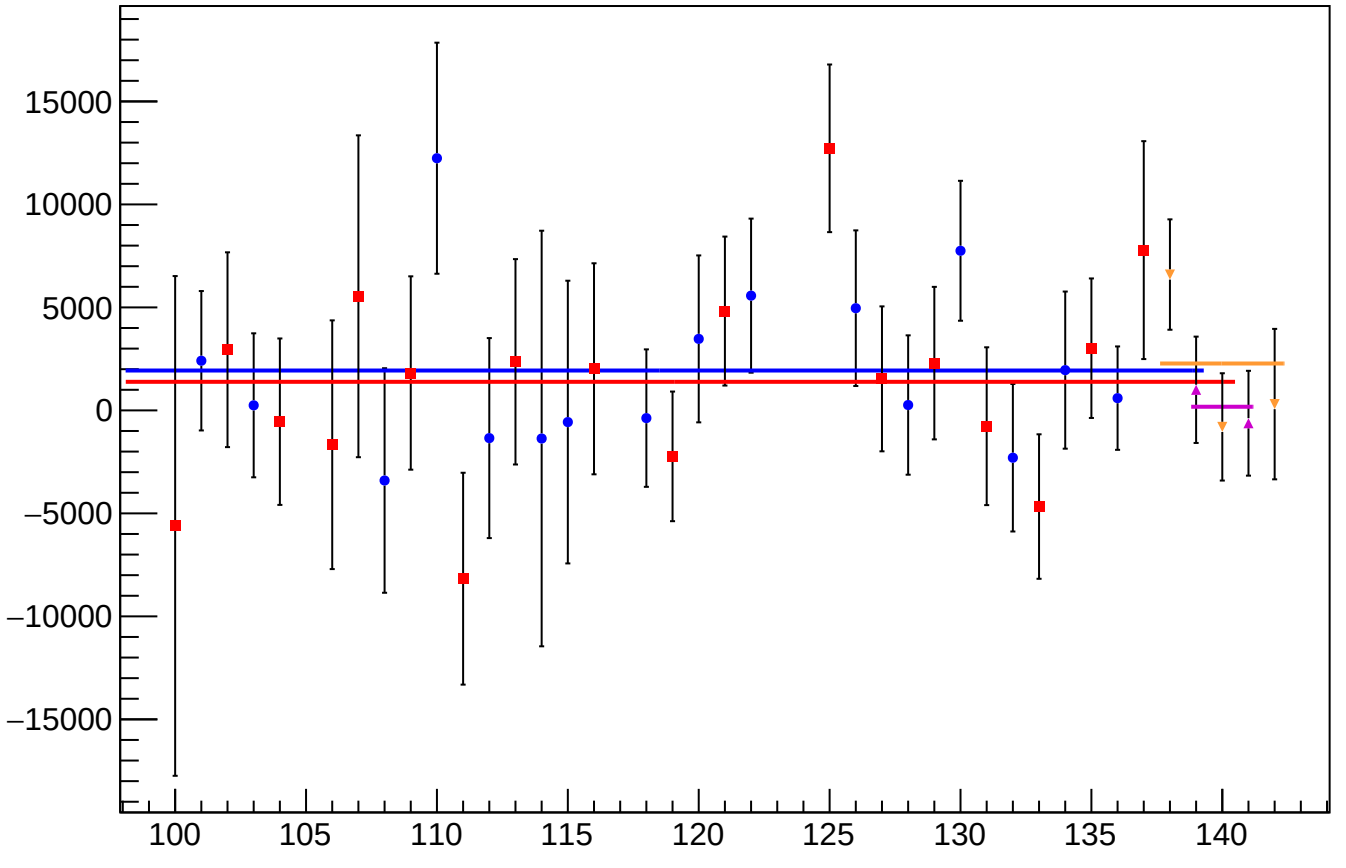
Left: 822.194+/-0.288 χ^2/NDF: 916115.8/5

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 1032.873+/-0.258 χ^2/NDF:1386681.8/17

Out: 866.284+/-0.214 χ^2/NDF:3239932.4/22

All: 934.234+/-0.165 χ^2/NDF: 4872934.0/40



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2276.239+/-1662.915 χ^2/NDF:4.3/2

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 176.863+/-1812.283 χ^2/NDF:0.2/1

Left: 1316.618+/-1225.267 χ^2/NDF: 5.2/4

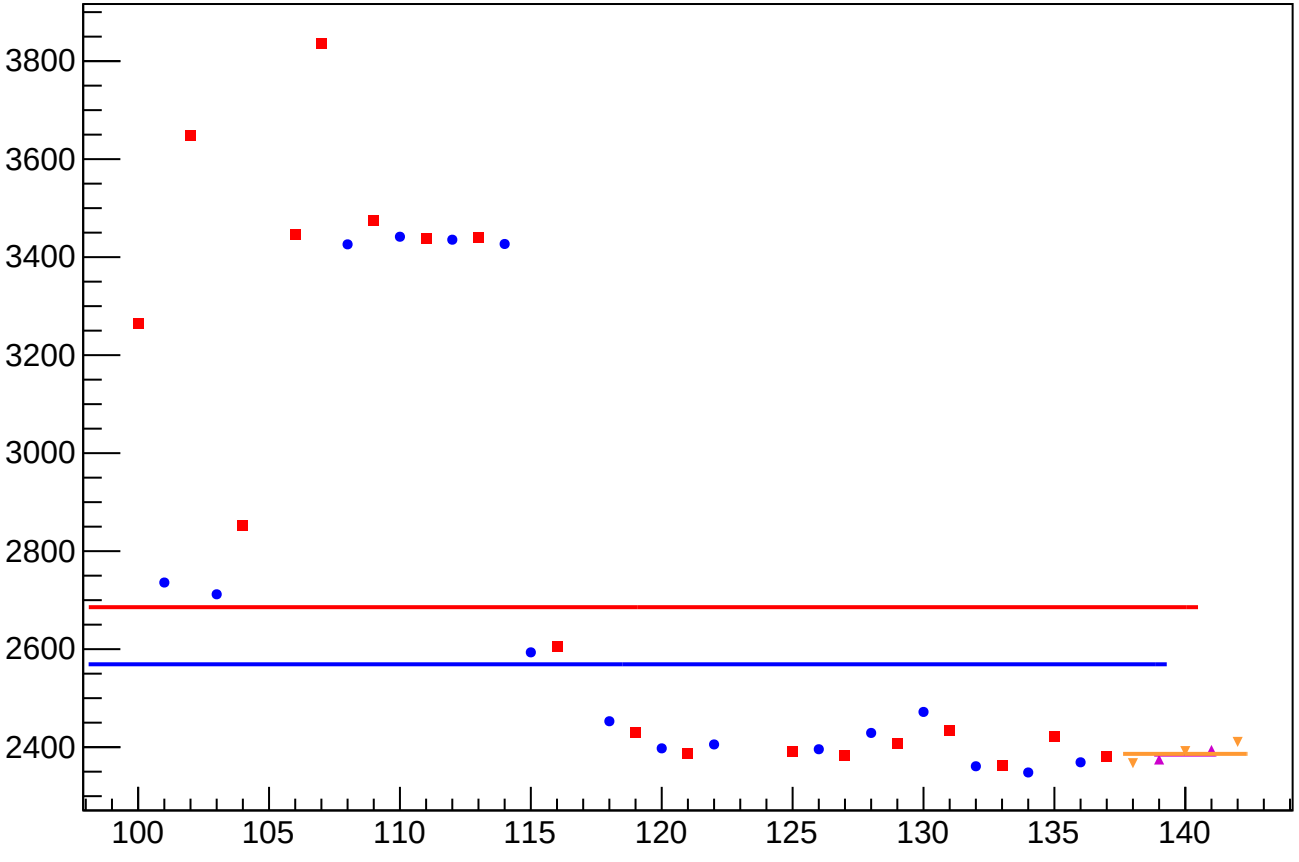
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1549.080+/-849.930 χ^2/NDF:13.3/17

Out: 1626.725+/-862.690 χ^2/NDF:24.3/20

All: 1587.324+/-605.452 χ^2/NDF: 37.5/38

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2386.320+/-1.176 χ^2/NDF:199.7/2

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2384.737+/-1.281 χ^2/NDF:57.7/1

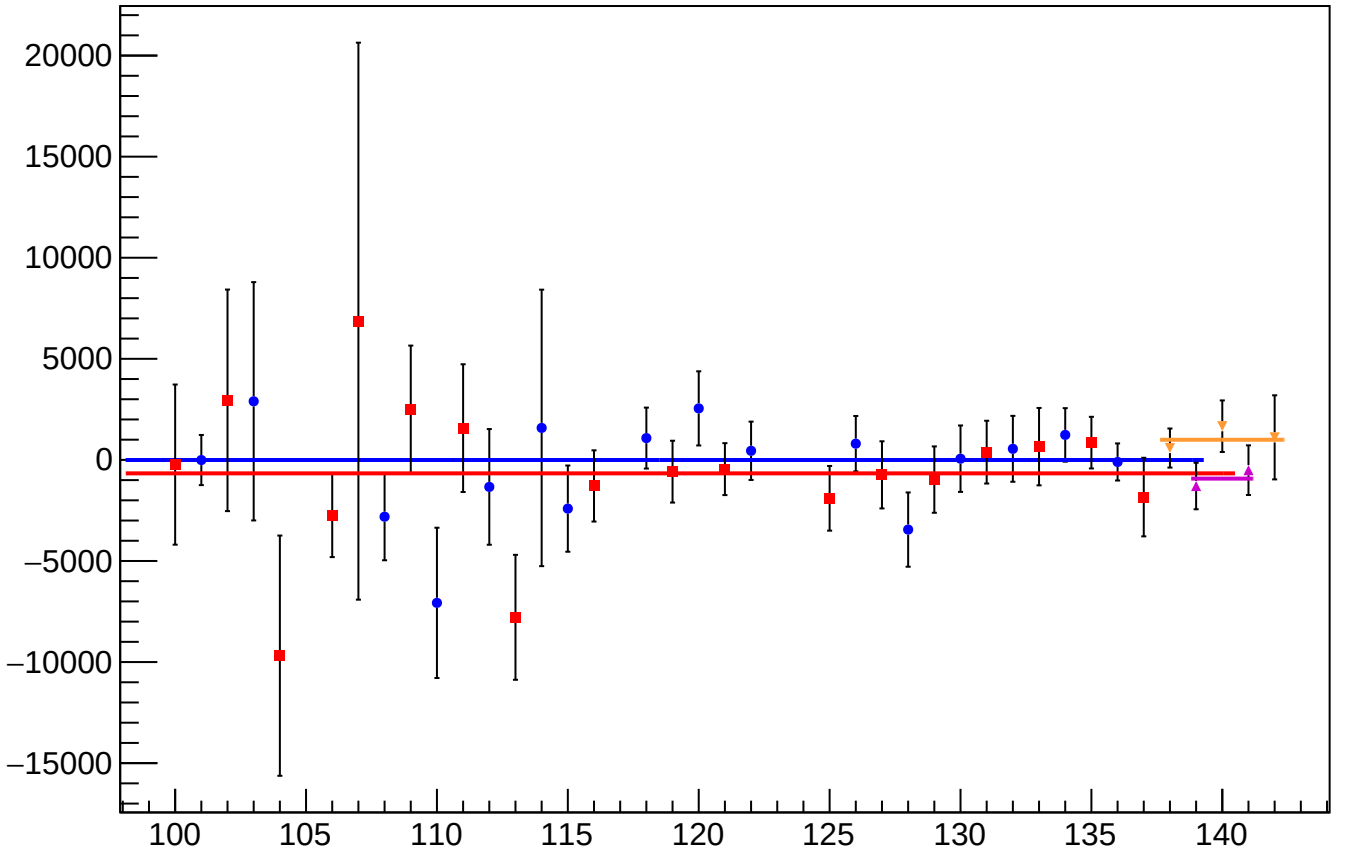
Left: 2385.596+/-0.866 χ^2/NDF: 258.2/4

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2528.574+/-0.601 χ^2/NDF:245696.0/17

Out: 2605.108+/-0.610 χ^2/NDF:466834.0/20

All: 2566.270+/-0.428 χ^2/NDF: 720517.7/38



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 996.582+/-722.184 χ^2/NDF:0.5/2

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -925.971+/-839.469 χ^2/NDF:0.2/1

Left: 178.886+/-547.471 χ^2/NDF: 3.7/4

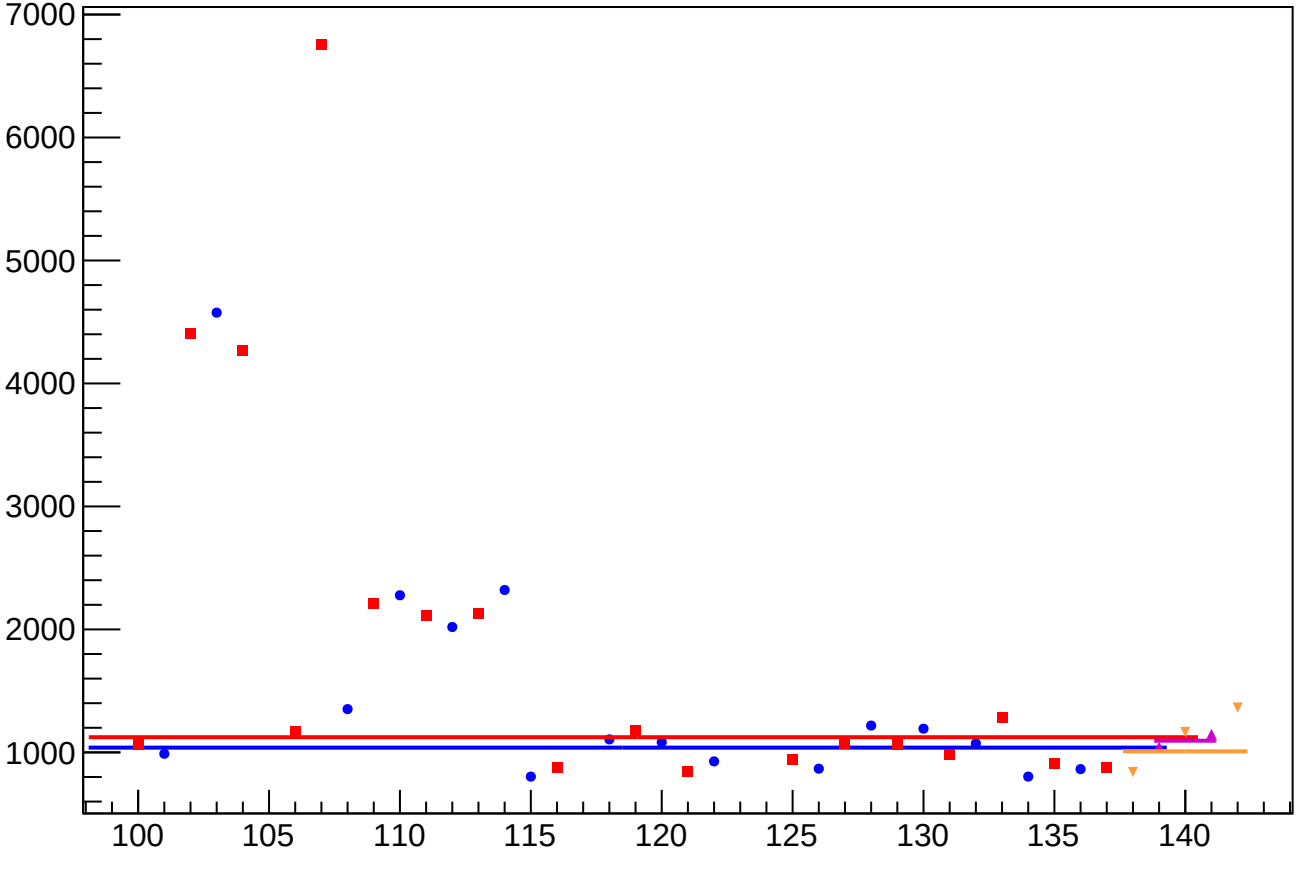
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -184.083+/-370.036 χ^2/NDF:15.7/17

Out: -185.354+/-388.287 χ^2/NDF:18.6/20

All: -184.688+/-267.875 χ^2/NDF: 34.3/38

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 1008.422+/-0.511 χ^2/NDF:149396.6/2

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 1095.051+/-0.594 χ^2/NDF:7688.1/1

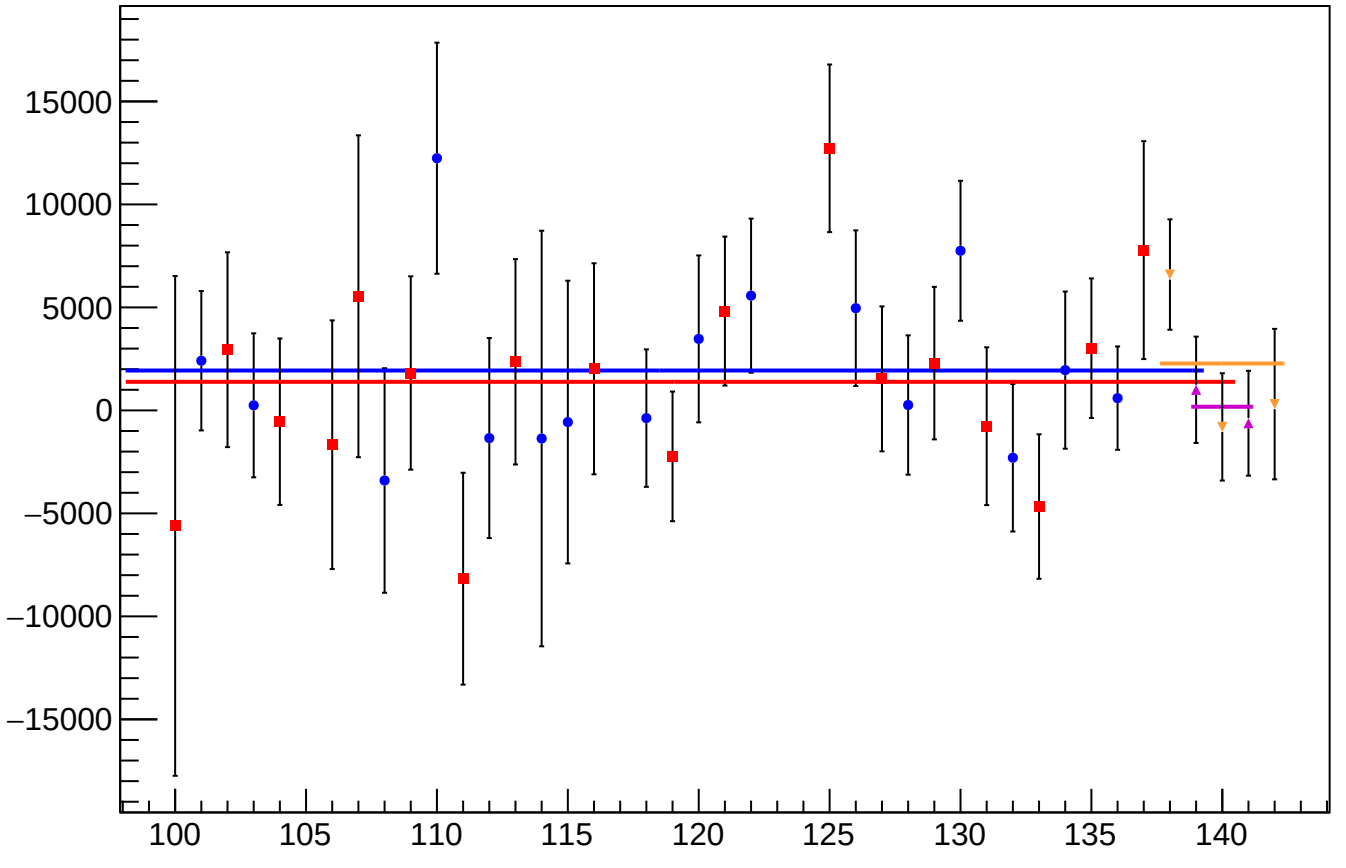
Left: 1045.267+/-0.387 χ^2/NDF: 169324.3/4

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 1049.732+/-0.262 χ^2/NDF:1554653.7/17

Out: 1090.216+/-0.275 χ^2/NDF:2720994.8/20

All: 1069.000+/-0.189 χ^2/NDF: 4287042.0/38



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2276.241+/-1662.915 χ^2/NDF:4.3/2

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 176.862+/-1812.283 χ^2/NDF:0.2/1

Left: 1316.619+/-1225.267 χ^2/NDF: 5.2/4

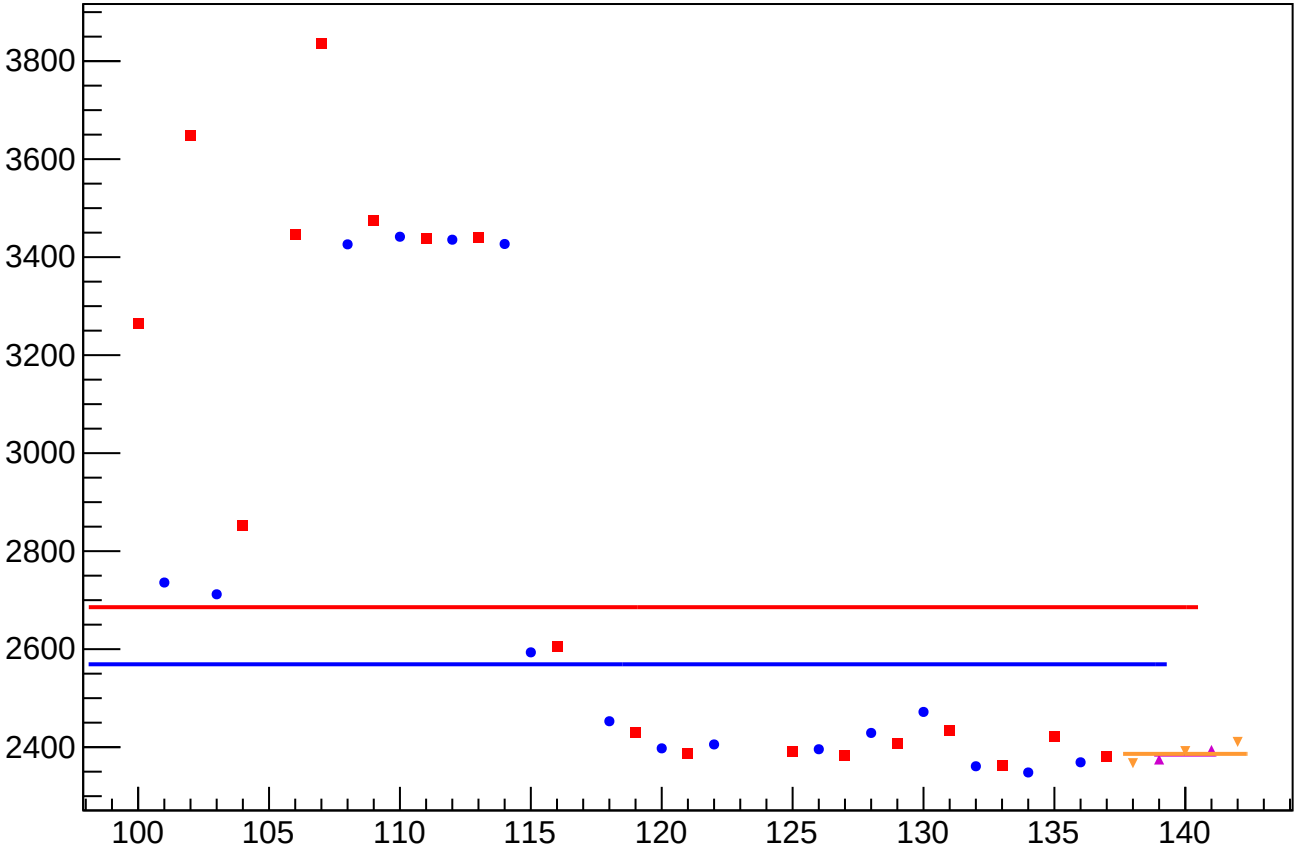
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1549.077+/-849.930 χ^2/NDF:13.3/17

Out: 1626.724+/-862.690 χ^2/NDF:24.3/20

All: 1587.322+/-605.452 χ^2/NDF: 37.5/38

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2386.320+/-1.176 χ^2/NDF:199.7/2

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2384.737+/-1.281 χ^2/NDF:57.7/1

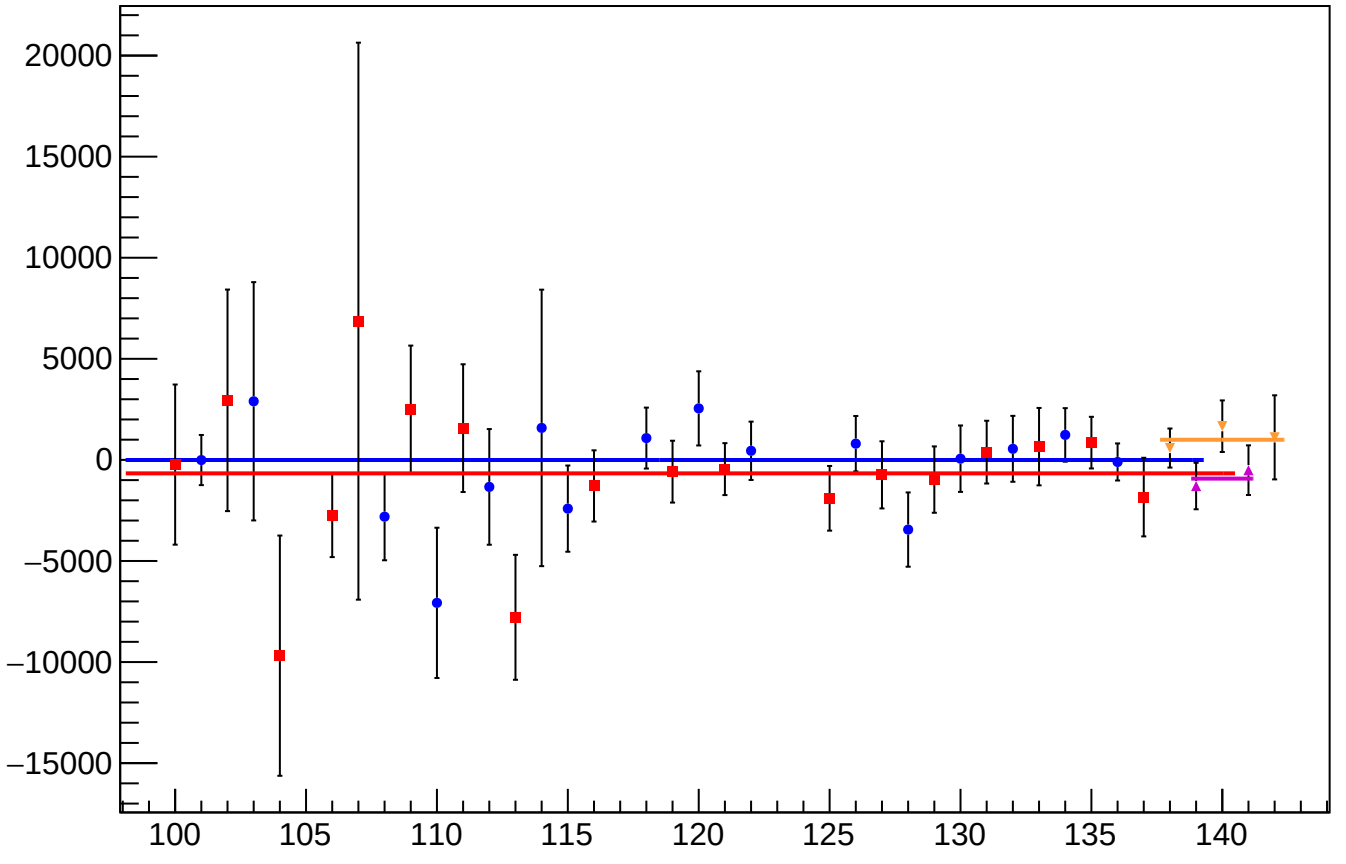
Left: 2385.596+/-0.866 χ^2/NDF: 258.2/4

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2528.573+/-0.601 χ^2/NDF:245695.7/17

Out: 2605.108+/-0.610 χ^2/NDF:466833.2/20

All: 2566.270+/-0.428 χ^2/NDF: 720516.7/38



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 996.584+/-722.184 χ^2/NDF:0.5/2

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -925.974+/-839.470 χ^2/NDF:0.2/1

Left: 178.886+/-547.472 χ^2/NDF: 3.7/4

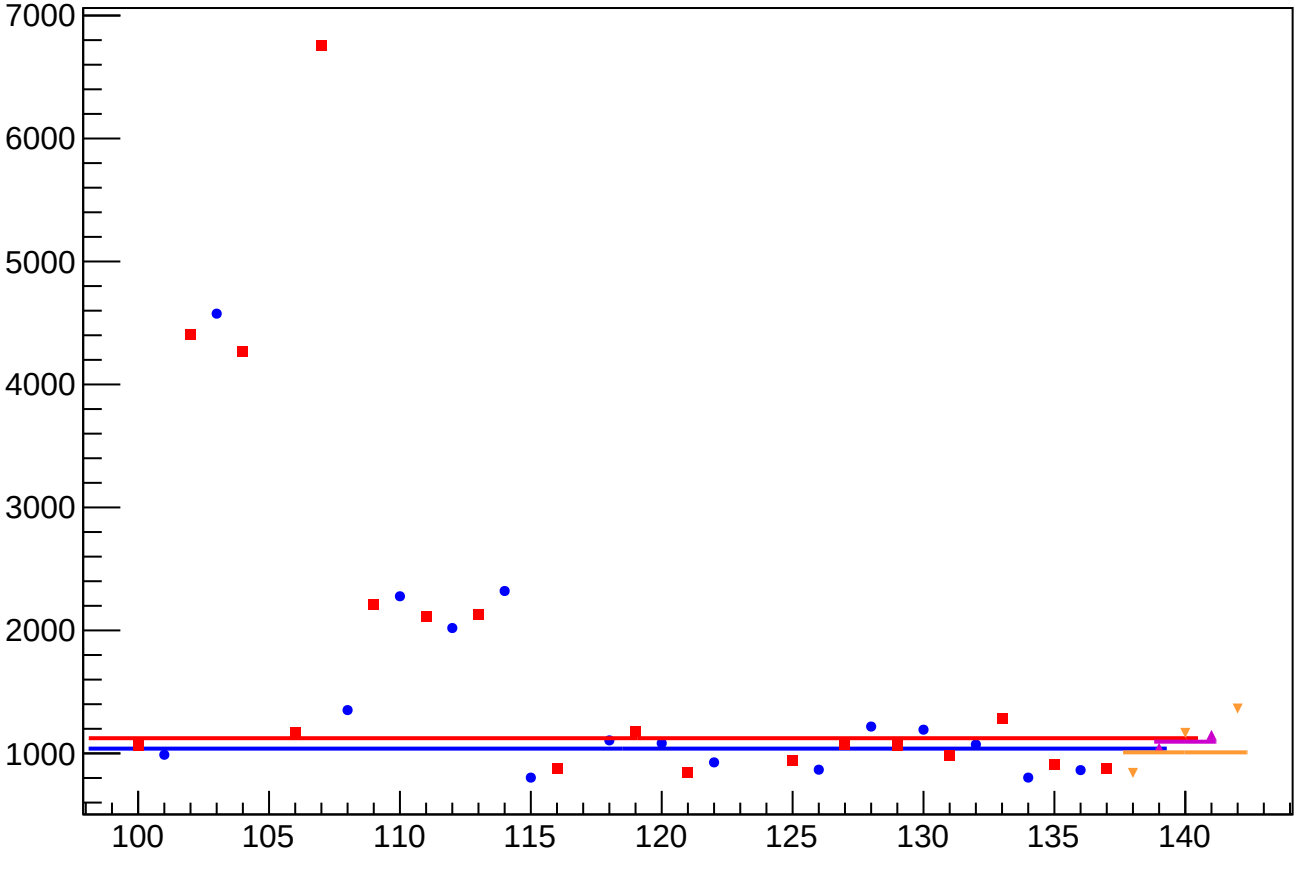
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -184.086+/-370.036 χ^2/NDF:15.7/17

Out: -185.355+/-388.287 χ^2/NDF:18.6/20

All: -184.690+/-267.875 χ^2/NDF: 34.3/38

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 1008.423+/-0.511 χ^2/NDF:149397.4/2

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 1095.052+/-0.594 χ^2/NDF:7688.2/1

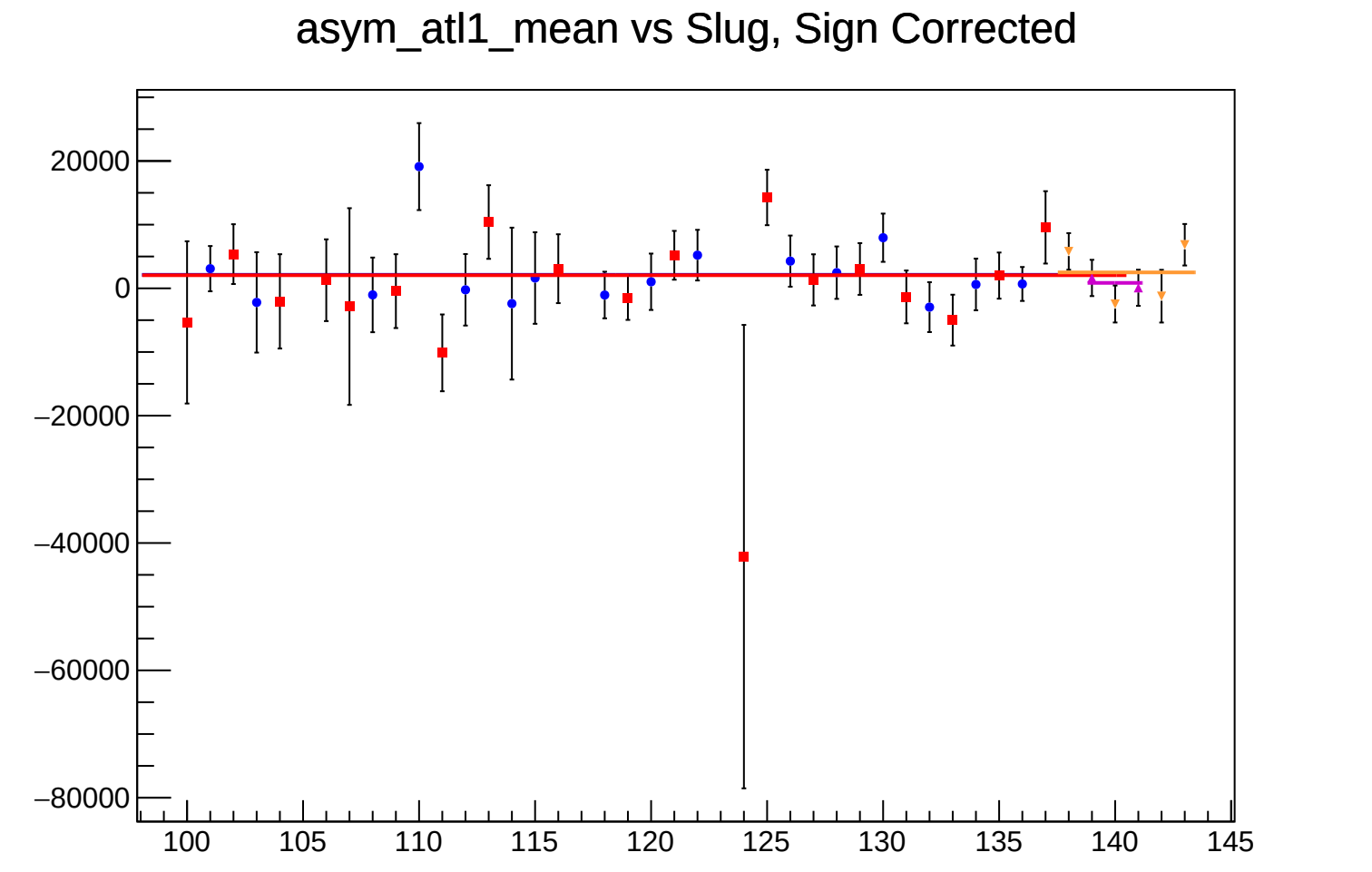
Left: 1045.268+/-0.387 χ^2/NDF: 169325.3/4

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1049.733+/-0.262 χ^2/NDF:1554647.5/17

Out: 1090.216+/-0.275 χ^2/NDF:2720993.4/20

All: 1069.000+/-0.189 χ^2/NDF: 4287034.1/38



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 2501.373+/-1596.600 χ^2/NDF:6.8/3

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: 1864.477+/-1250.273 χ^2/NDF: 7.4/5

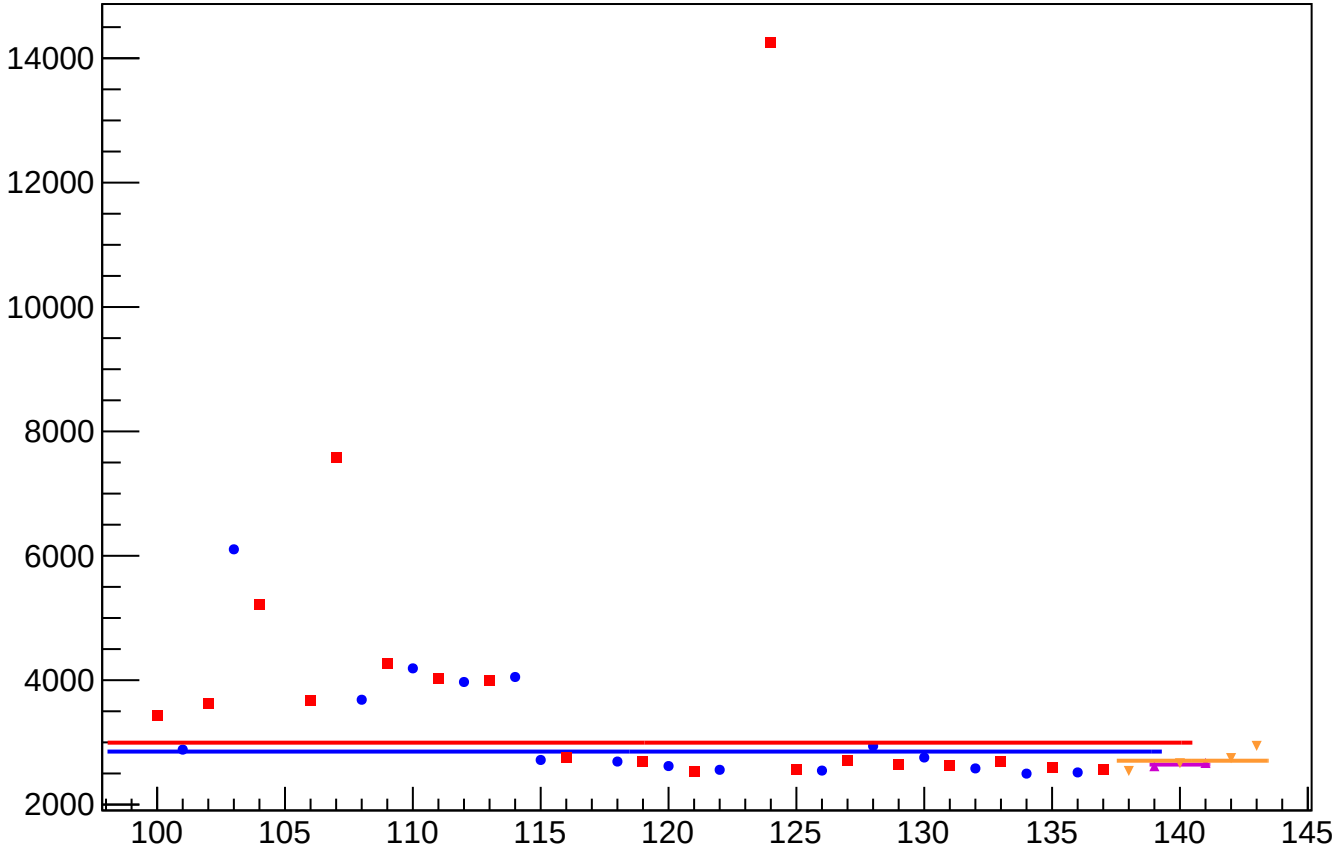
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1836.245+/-954.611 χ^2/NDF:13.8/17

Out: 2208.314+/-926.051 χ^2/NDF:31.2/22

All: 2027.928+/-664.684 χ^2/NDF: 45.1/40

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2705.272+/-1.129 χ^2/NDF:17908.4/3

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2643.379+/-1.422 χ^2/NDF:334.3/1

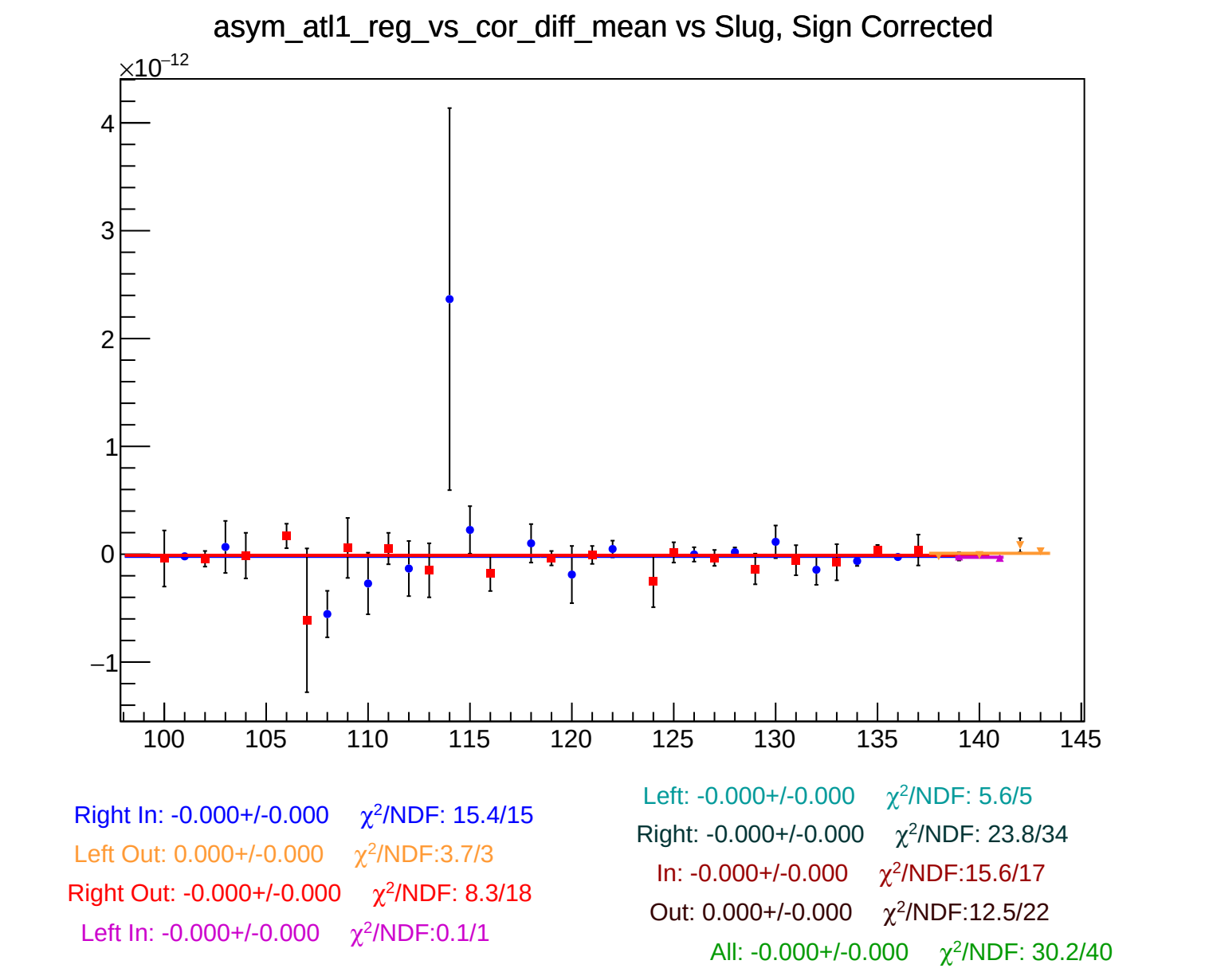
Left: 2681.333+/-0.884 χ^2/NDF: 19405.2/5

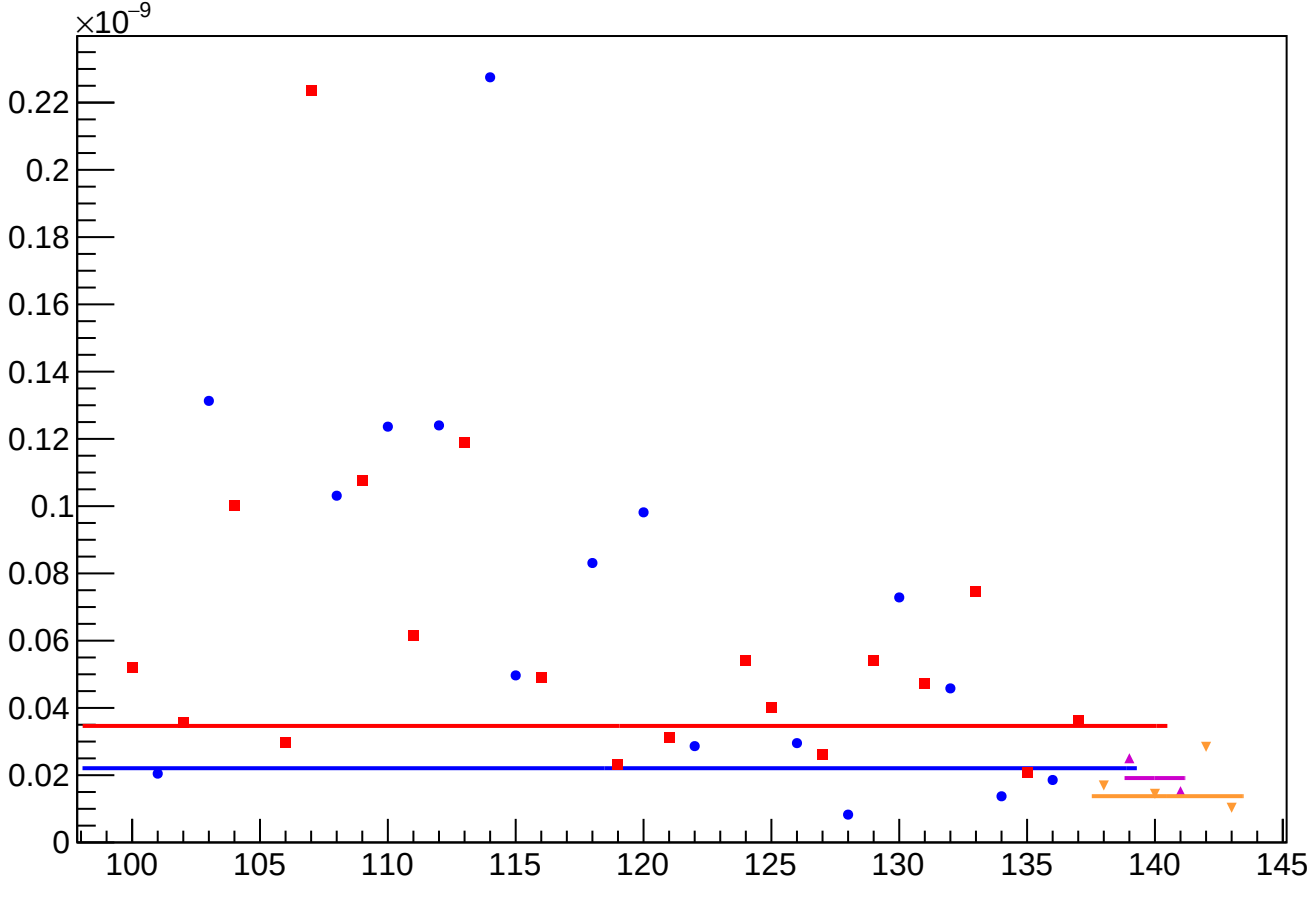
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2805.120+/-0.675 χ^2/NDF:665763.9/17

Out: 2897.880+/-0.655 χ^2/NDF:1040938.9/22

All: 2852.908+/-0.470 χ^2/NDF: 1716431.6/40


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
145
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3.7/3
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: 5.6/5
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:12.5/22
All: -0.000+/-0.000 χ²/NDF: 30.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:196112.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:81547.5/1

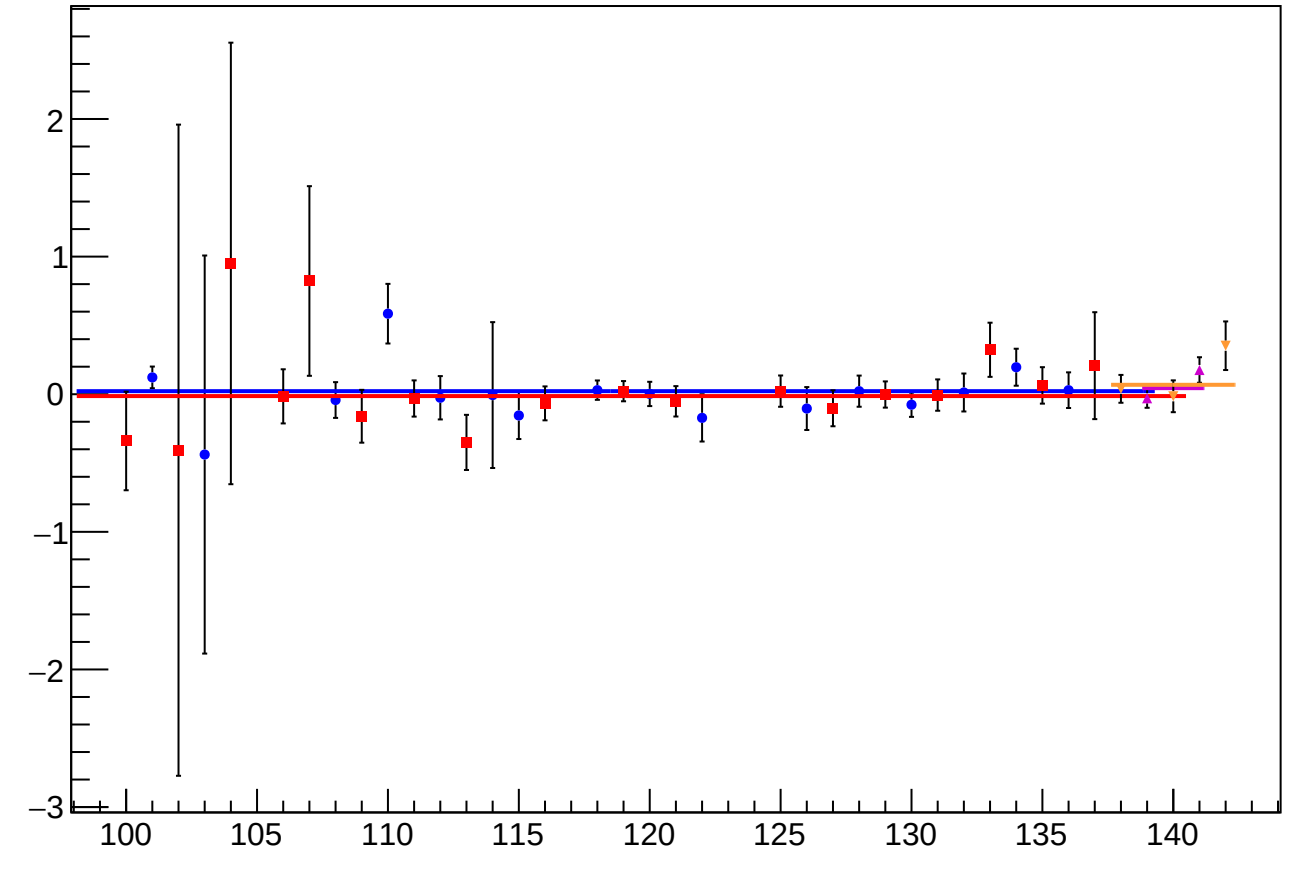
Left: 0.000+/-0.000 χ^2/NDF: 356365.6/5

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:2573189.2/22

All: 0.000+/-0.000 χ^2/NDF: 5061060.4/40



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

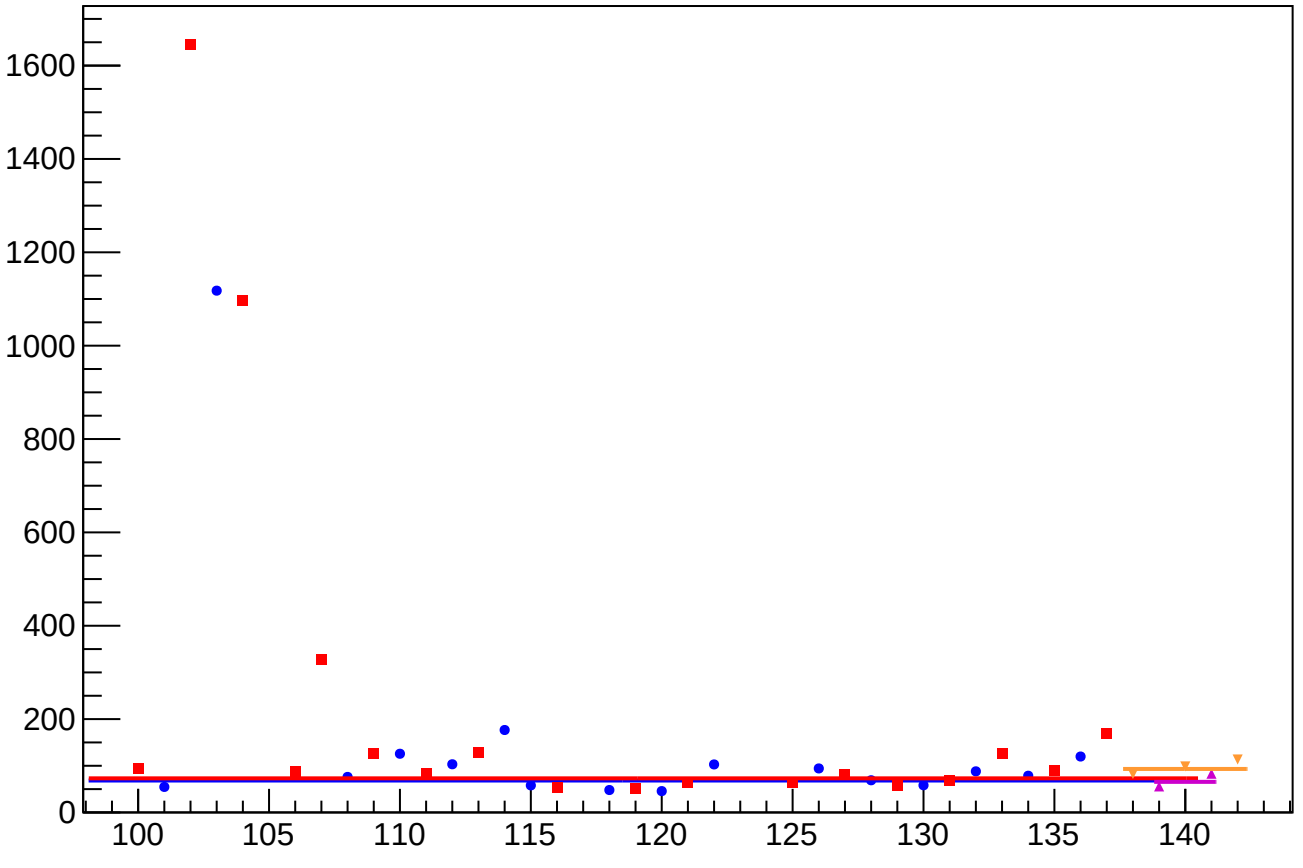
Left: 0.054+/-0.043 χ^2/NDF: 6.4/4

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/38



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53220.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 65.542+/-0.039 χ^2/NDF:110421.2/1

Left: 76.233+/-0.031 χ^2/NDF: 355845.4/4

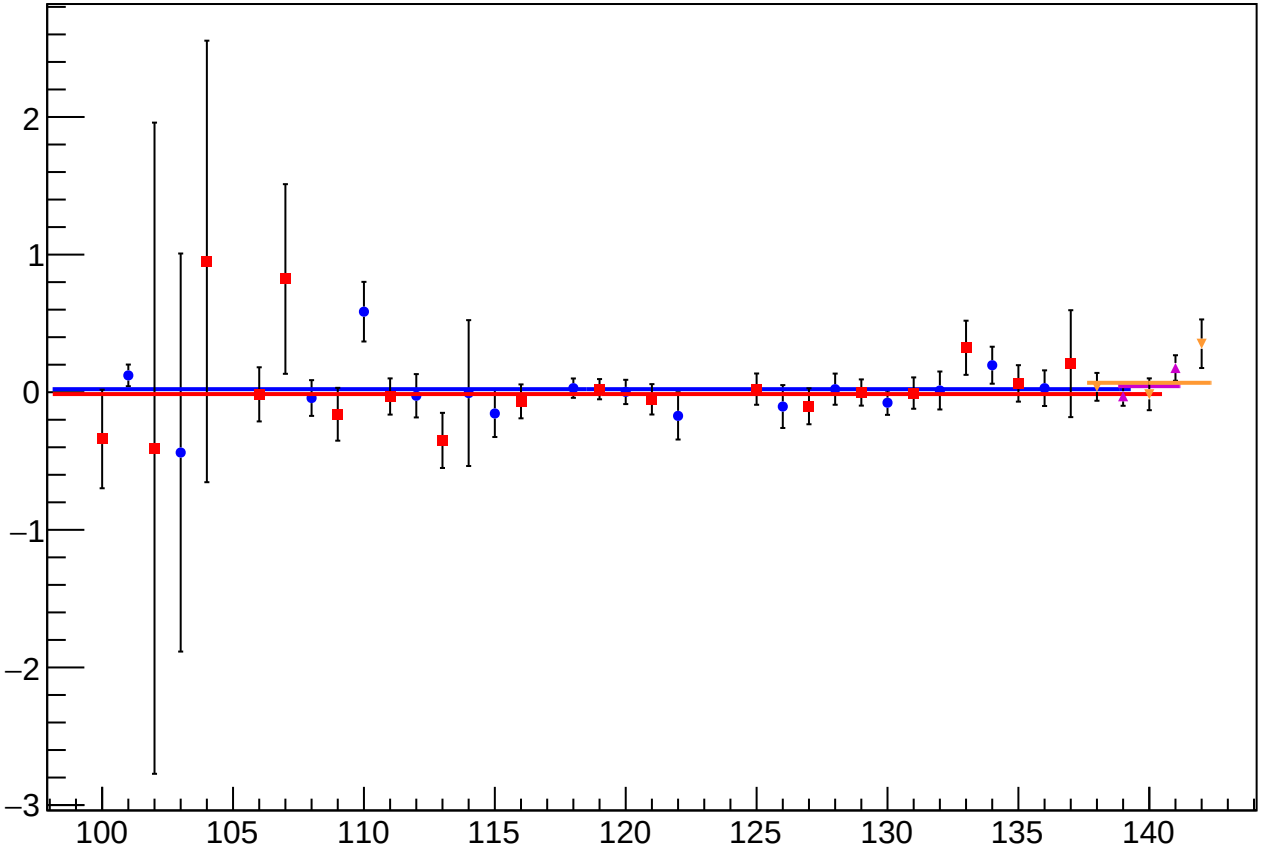
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 67.771+/-0.019 χ^2/NDF:2392687.7/17

Out: 76.828+/-0.021 χ^2/NDF:3101354.2/20

All: 71.710+/-0.014 χ^2/NDF: 5595727.9/38

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

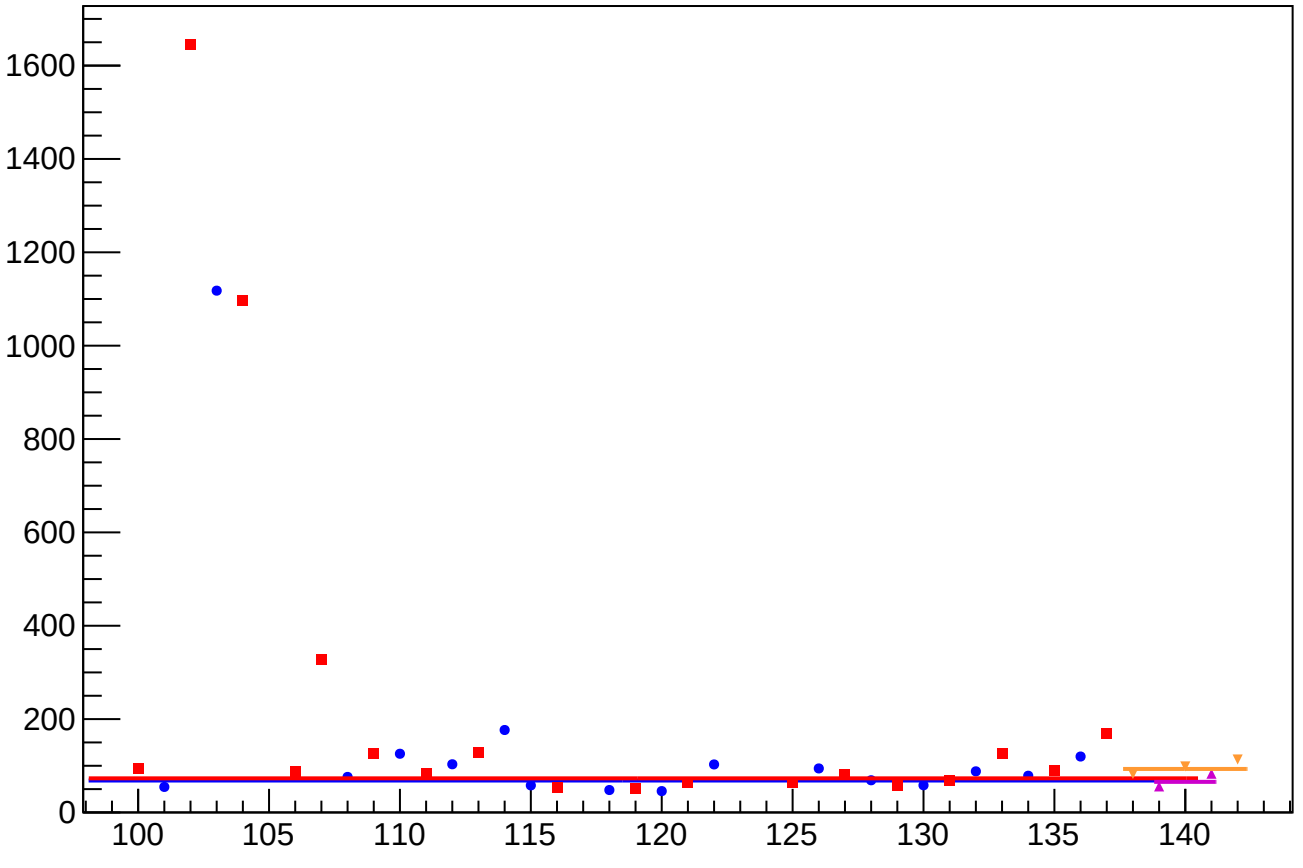
Left: 0.054+/-0.043 χ^2/NDF: 6.4/4

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/38



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53220.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 65.542+/-0.039 χ^2/NDF:110421.2/1

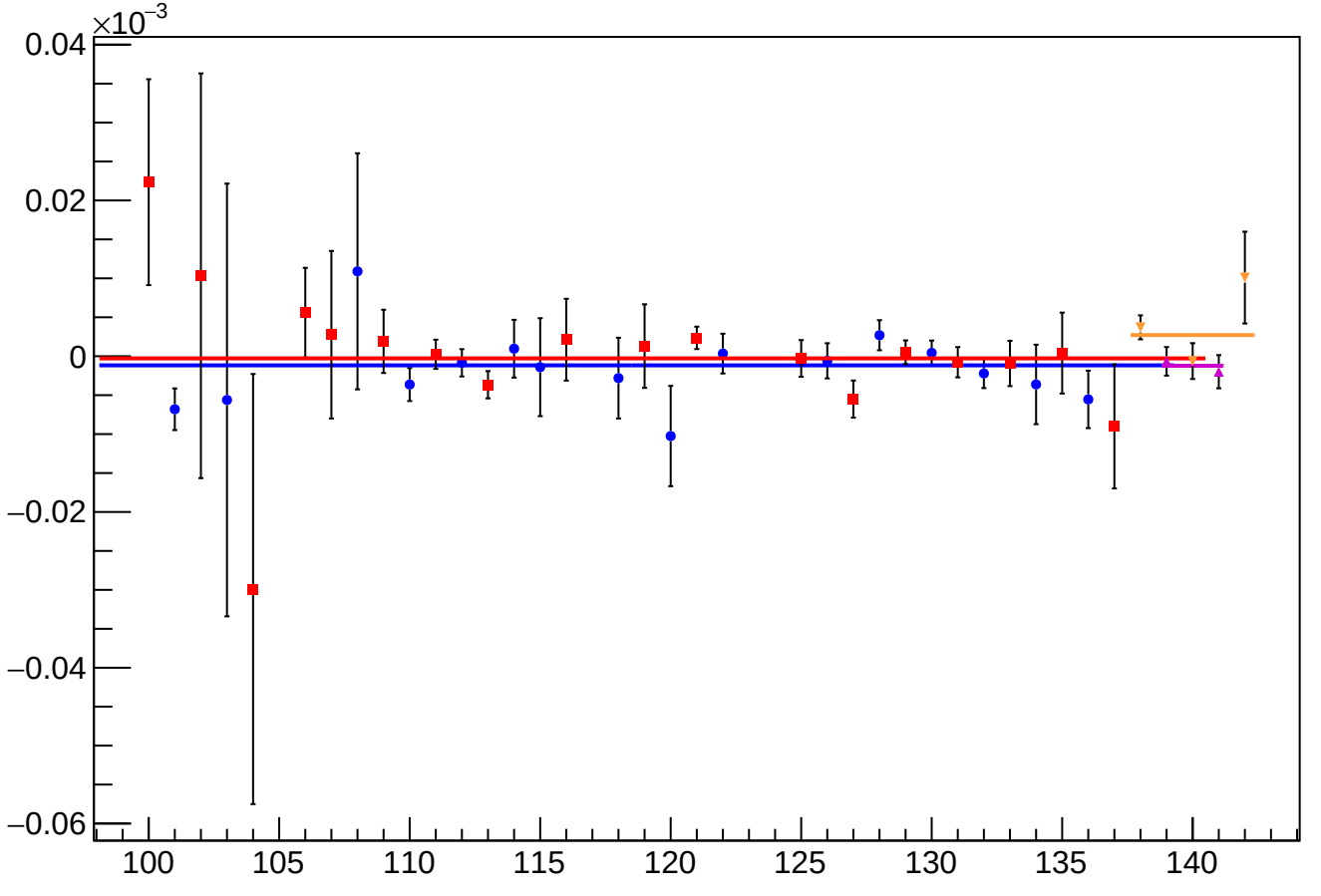
Left: 76.233+/-0.031 χ^2/NDF: 355845.4/4

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 67.771+/-0.019 χ^2/NDF:2392687.7/17

Out: 76.828+/-0.021 χ^2/NDF:3101354.2/20

All: 71.710+/-0.014 χ^2/NDF: 5595727.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/2

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

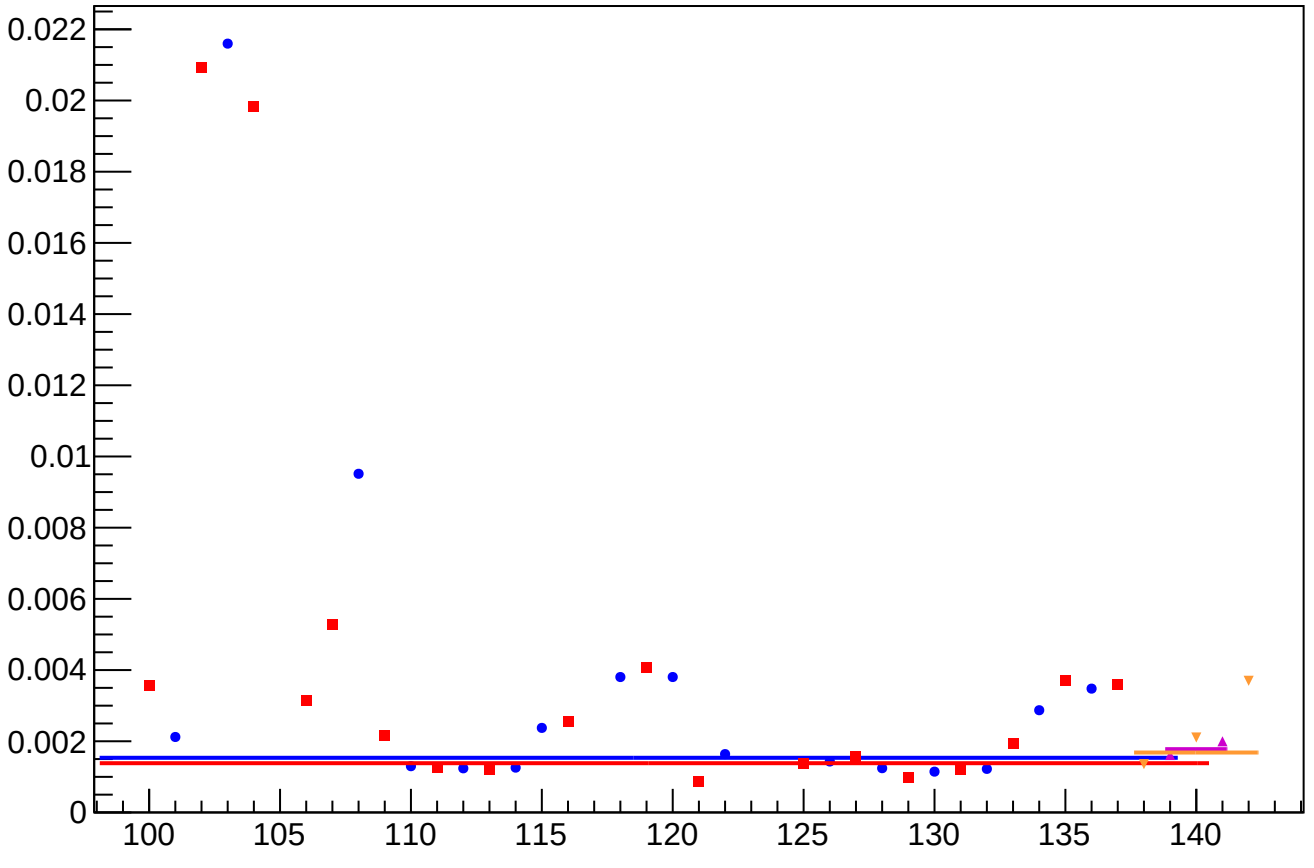
Left: 0.000+/-0.000 χ^2/NDF: 8.7/4

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:28.2/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/38



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:391082.6/2

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:37535.7/1

Left: 0.002+/-0.000 χ^2/NDF: 433719.2/4

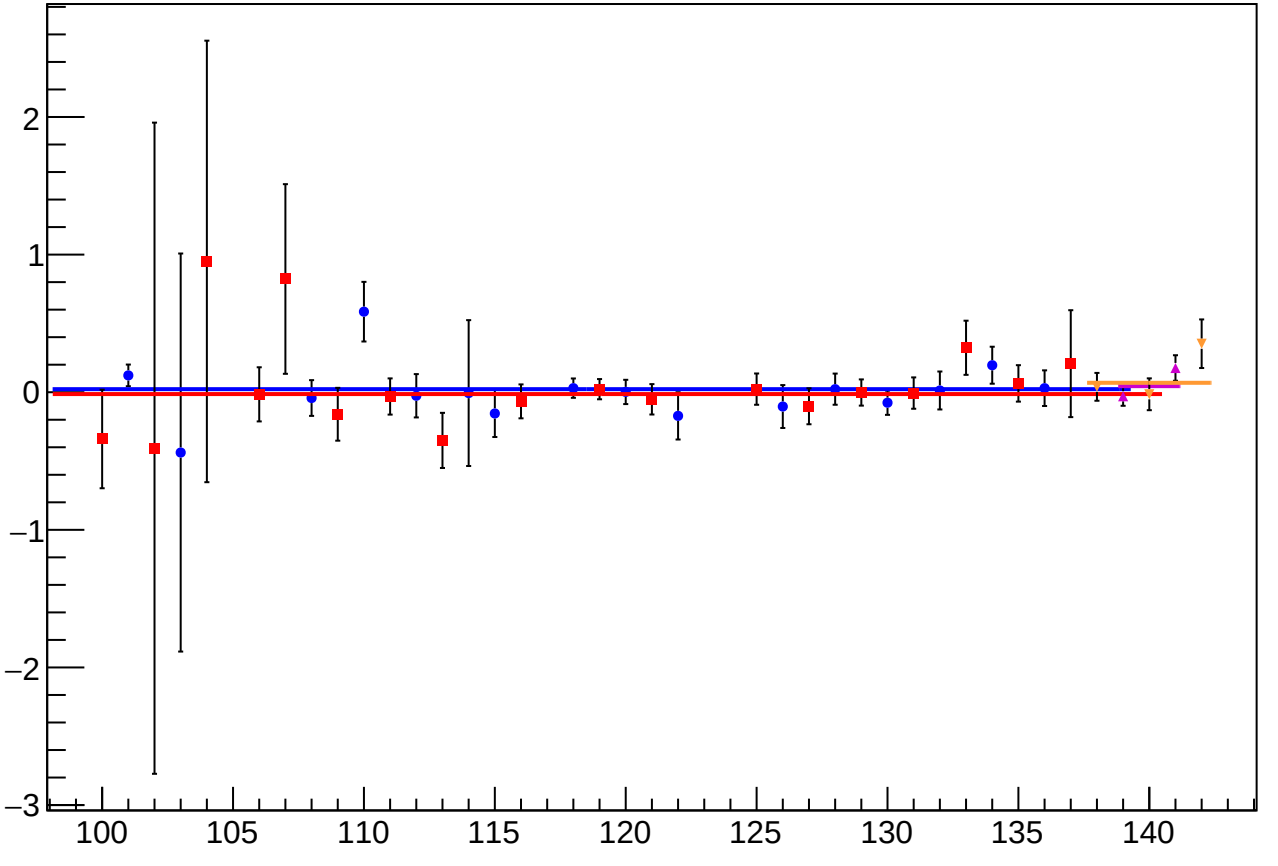
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:3460950.8/17

Out: 0.001+/-0.000 χ^2/NDF:4751704.0/20

All: 0.002+/-0.000 χ^2/NDF: 8267133.2/38

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

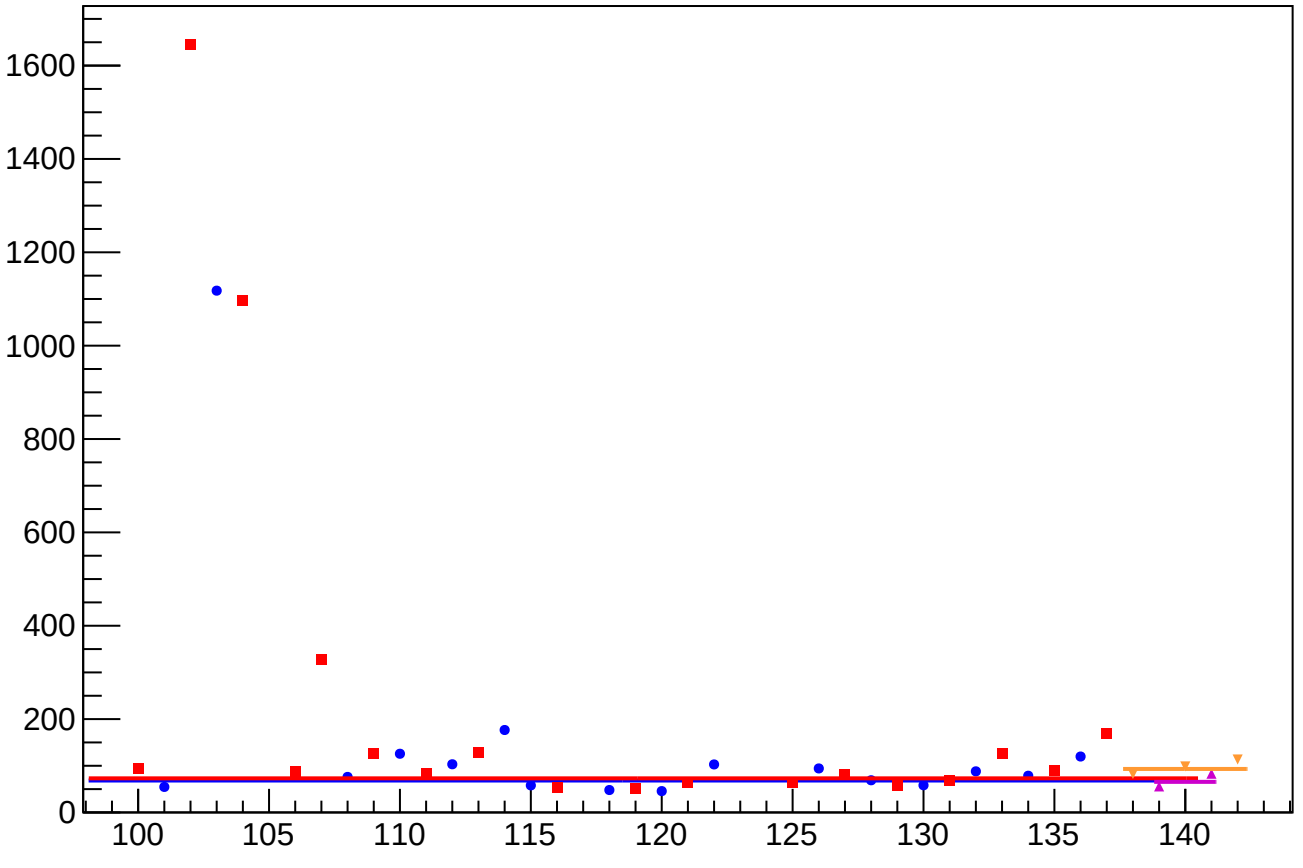
Left: 0.054+/-0.043 χ^2/NDF: 6.4/4

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/38



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53219.2/2

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: 76.233+/-0.031 χ^2/NDF: 355841.9/4

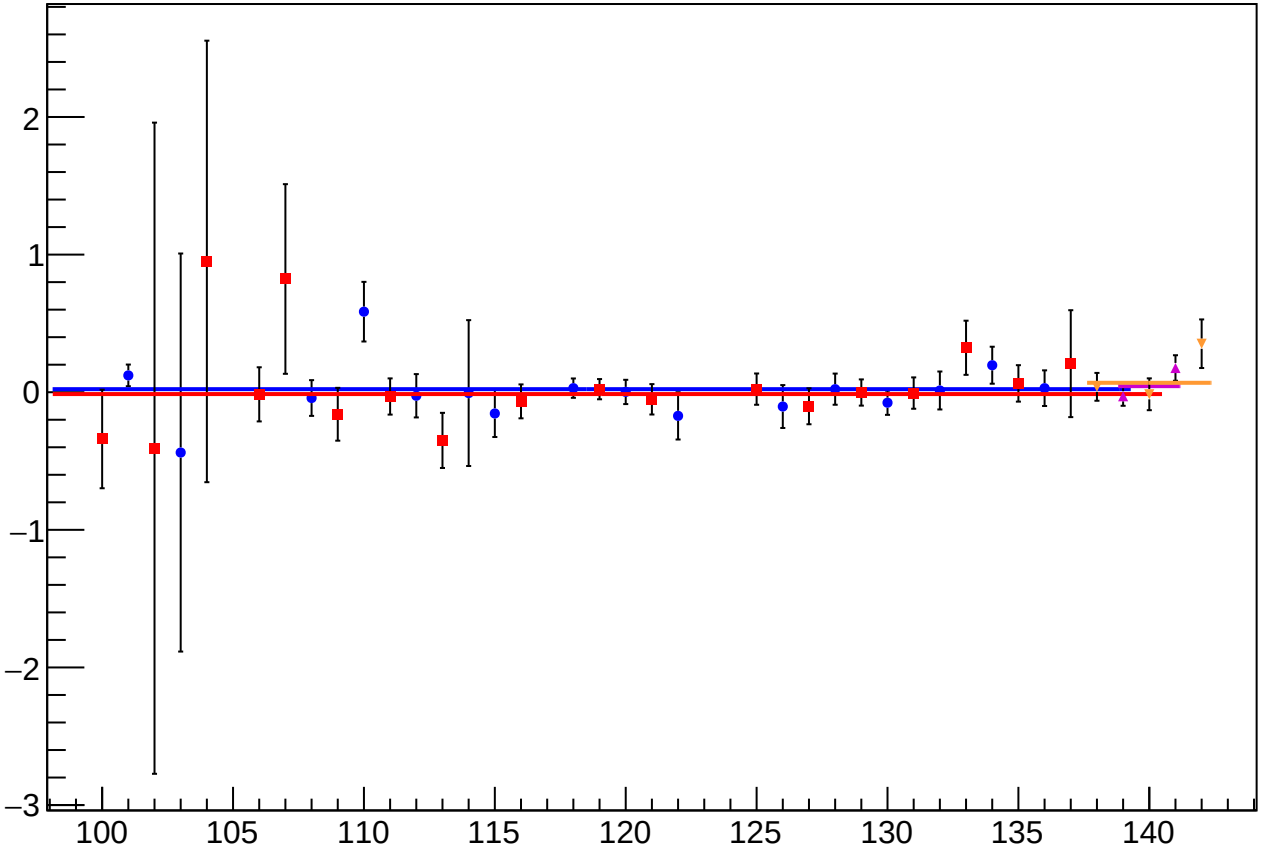
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 67.770+/-0.019 χ^2/NDF:2392766.7/17

Out: 76.828+/-0.021 χ^2/NDF:3101373.9/20

All: 71.710+/-0.014 χ^2/NDF: 5595834.2/38

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: 0.068+/-0.070 χ^2/NDF:3.2/2

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.044+/-0.055 χ^2/NDF:3.2/1

Left: 0.054+/-0.043 χ^2/NDF: 6.4/4

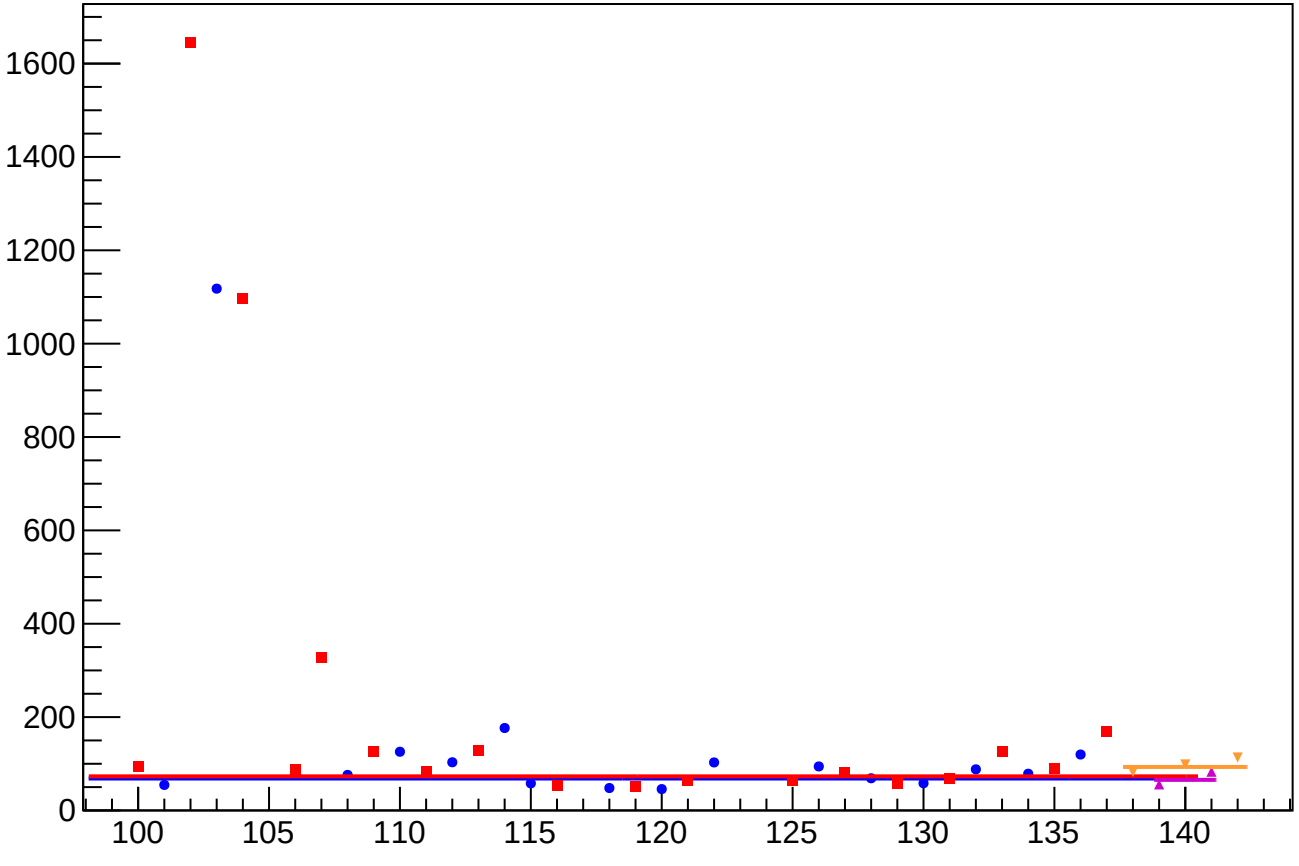
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.027+/-0.026 χ^2/NDF:18.1/17

Out: 0.002+/-0.030 χ^2/NDF:15.1/20

All: 0.016+/-0.020 χ^2/NDF: 33.6/38

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 93.211+/-0.049 χ^2/NDF:53219.2/2

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 65.542+/-0.039 χ^2/NDF:110417.5/1

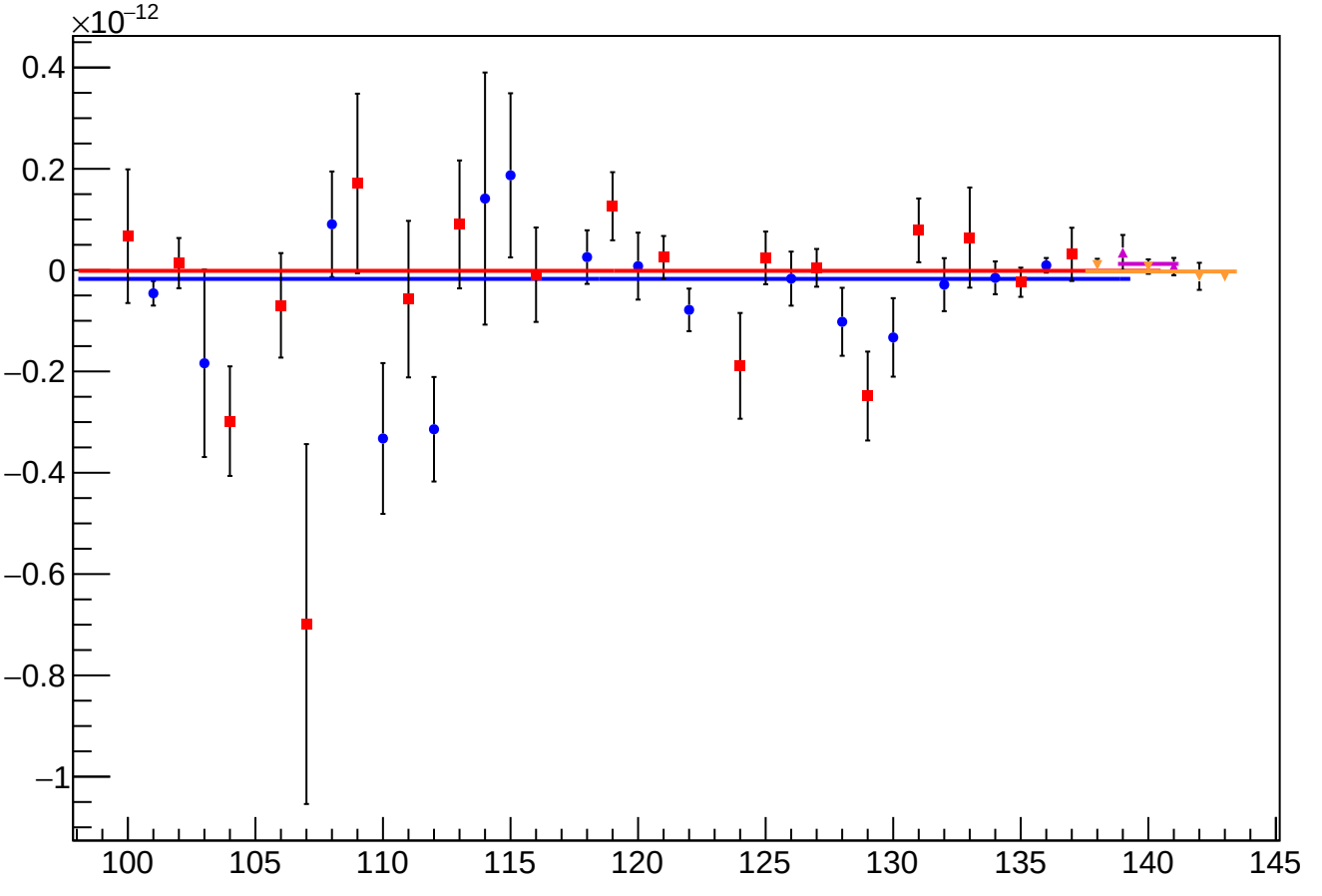
Left: 76.233+/-0.031 χ^2/NDF: 355841.9/4

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 67.770+/-0.019 χ^2/NDF:2392766.7/17

Out: 76.828+/-0.021 χ^2/NDF:3101373.9/20

All: 71.710+/-0.014 χ^2/NDF: 5595834.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

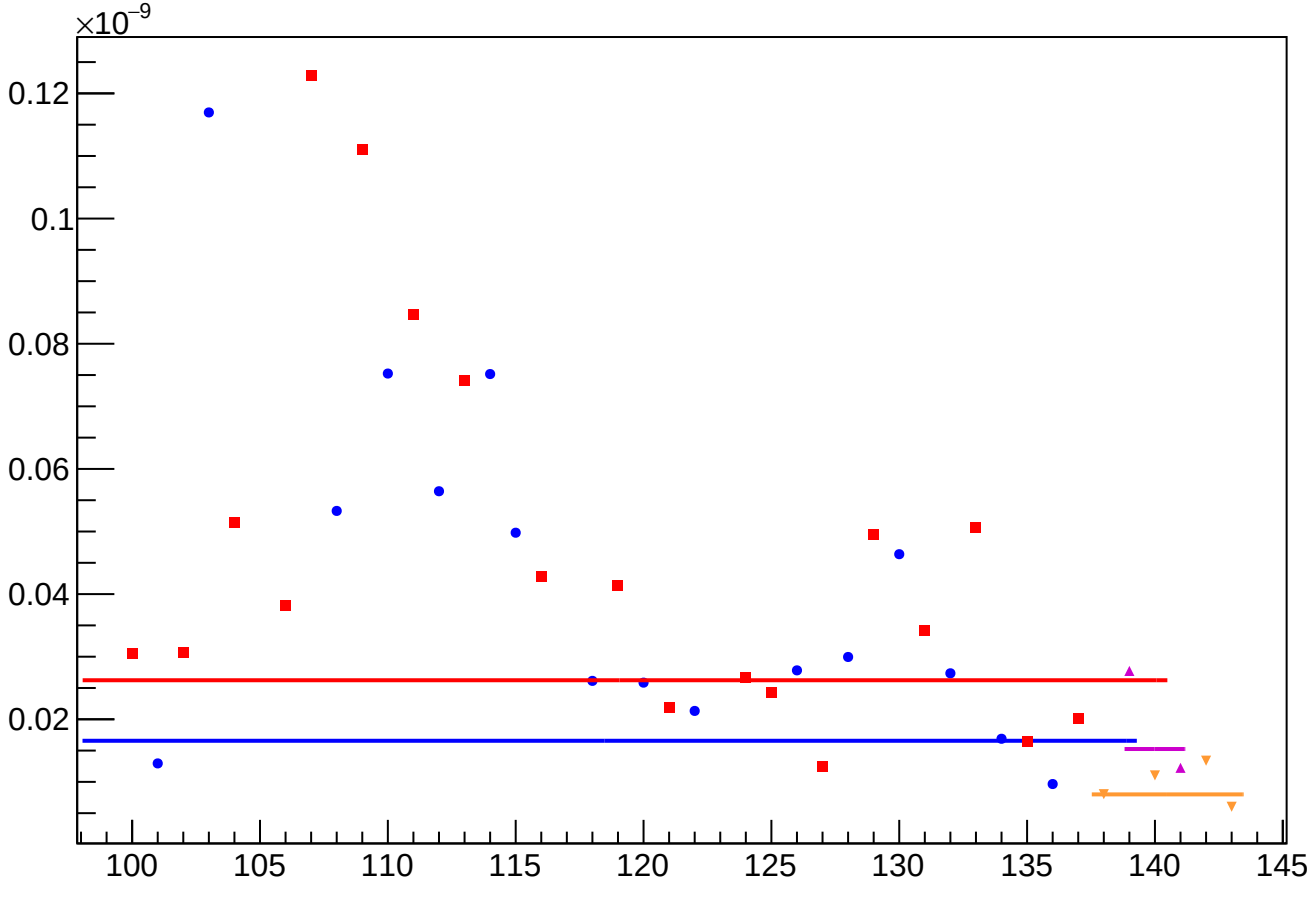
Left: -0.000+/-0.000 χ^2/NDF: 4.1/5

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:35.0/22

All: -0.000+/-0.000 χ^2/NDF: 66.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:260963.5/3

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: 958224.8/5

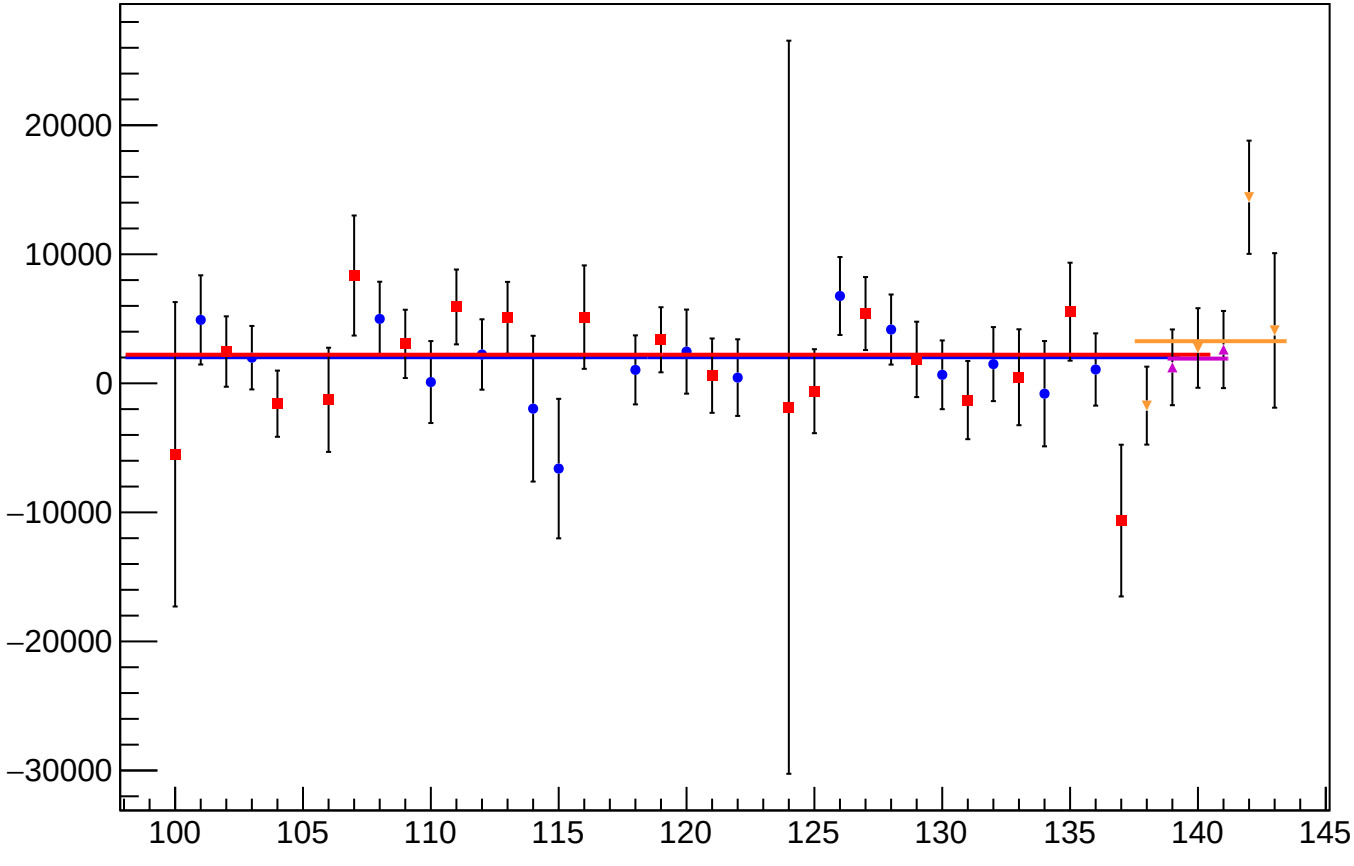
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3151676.0/17

Out: 0.000+/-0.000 χ^2/NDF:5325744.8/22

All: 0.000+/-0.000 χ^2/NDF: 8973027.3/40

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.348+/-1842.377 χ^2/NDF:9.2/3

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: 2676.906+/-1383.393 χ^2/NDF: 9.6/5

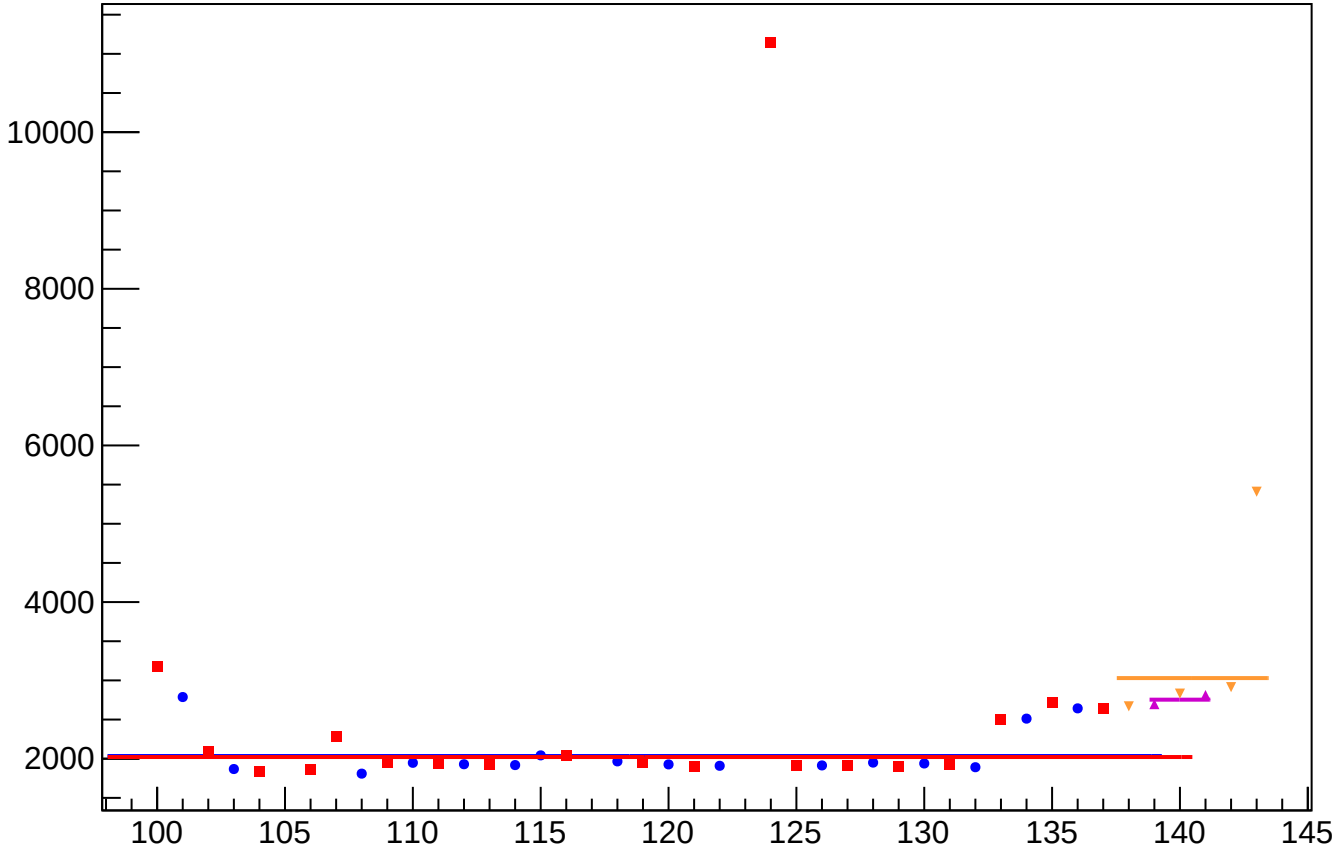
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2010.187+/-718.043 χ^2/NDF:9.7/17

Out: 2368.352+/-699.517 χ^2/NDF:27.7/22

All: 2193.949+/-501.055 χ^2/NDF: 37.5/40

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

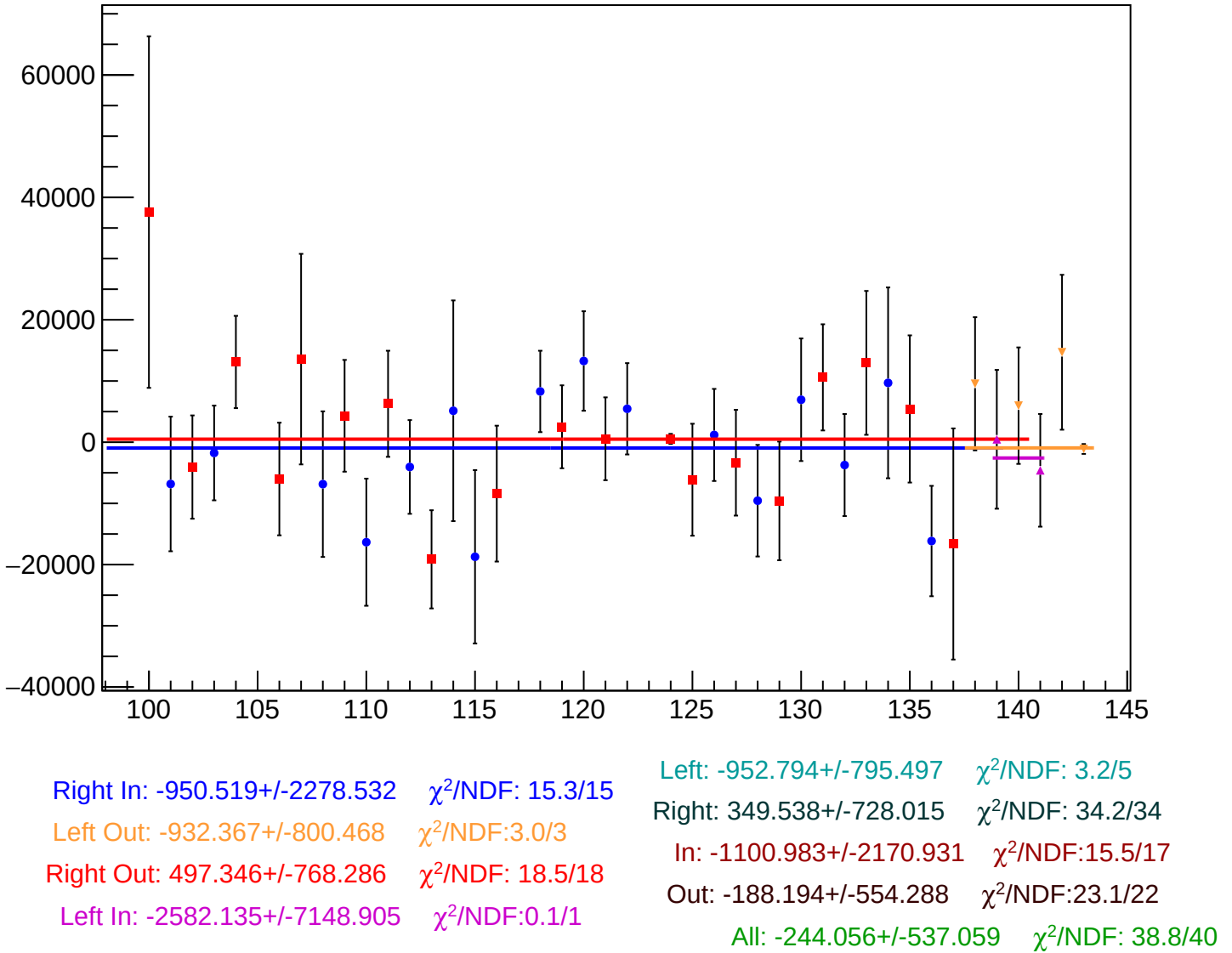
Left: 2909.264+/-0.978 χ^2/NDF: 375196.2/5

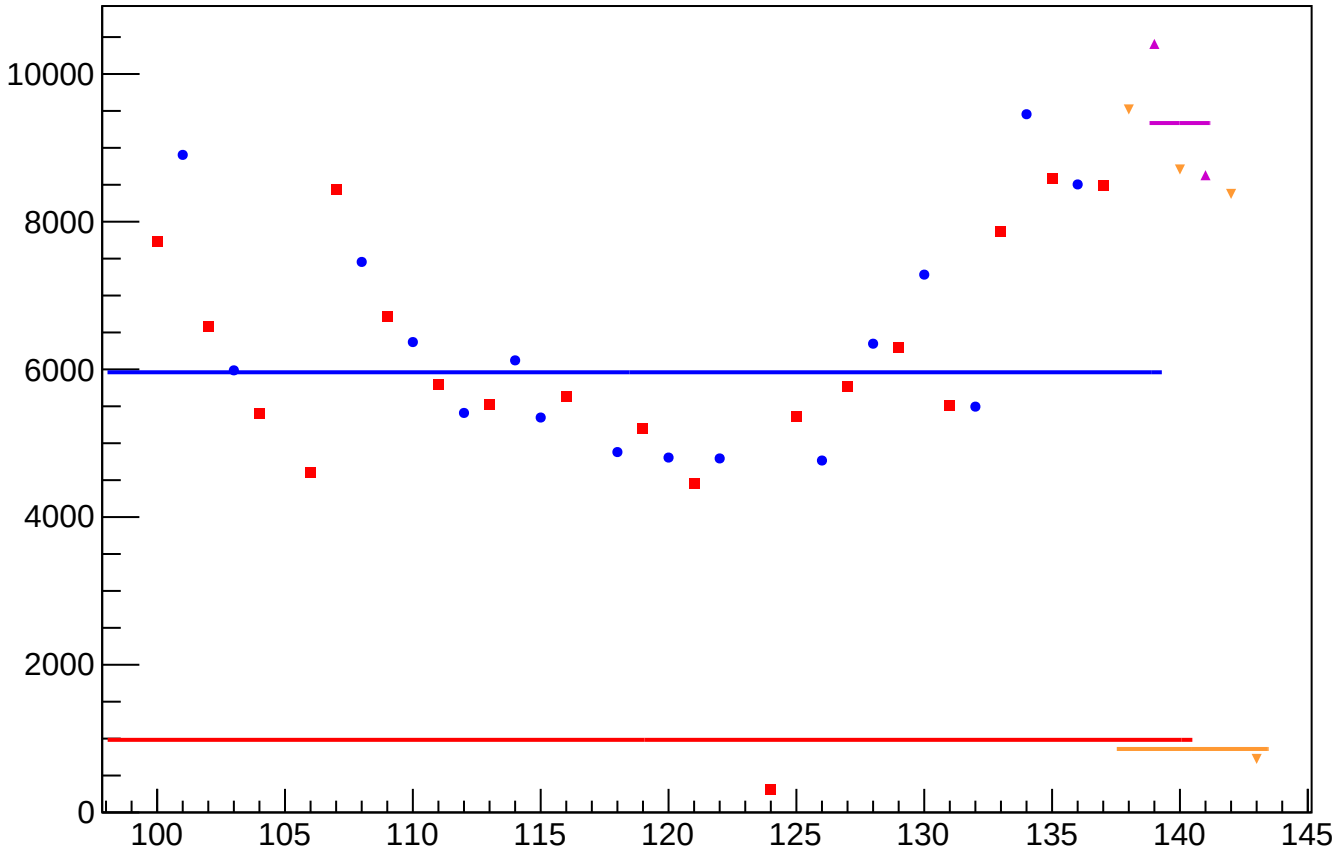
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2118.731+/-0.508 χ^2/NDF:472859.1/17

Out: 2166.850+/-0.495 χ^2/NDF:1256778.0/22

All: 2143.419+/-0.354 χ^2/NDF: 1734245.4/40


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -932.367+/-800.468 χ²/NDF:3.0/3
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: -2582.135+/-7148.905 χ²/NDF:0.1/1
Left: -952.794+/-795.497 χ²/NDF: 3.2/5
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: -1100.983+/-2170.931 χ²/NDF:15.5/17
Out: -188.194+/-554.288 χ²/NDF:23.1/22
All: -244.056+/-537.059 χ²/NDF: 38.8/40



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 859.683+/-0.566 χ^2/NDF:3389059.0/3

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: 964.636+/-0.563 χ^2/NDF: 6195463.9/5

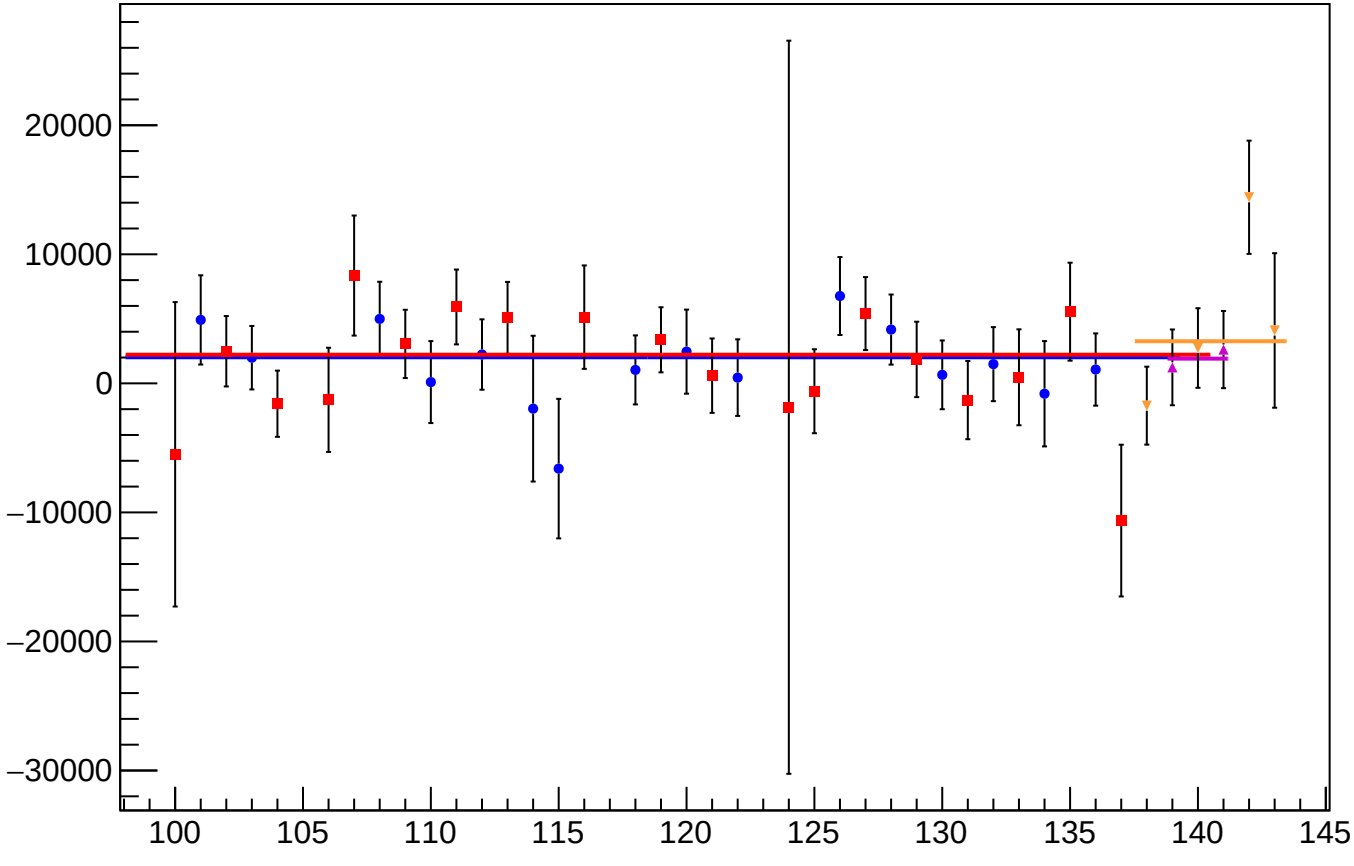
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6272.042+/-1.535 χ^2/NDF:1123561.7/17

Out: 924.035+/-0.392 χ^2/NDF:14830582.5/22

All: 1251.334+/-0.380 χ^2/NDF: 27348637.0/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.723+/-1842.377 χ^2/NDF:9.2/3

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: 2677.032+/-1383.393 χ^2/NDF: 9.6/5

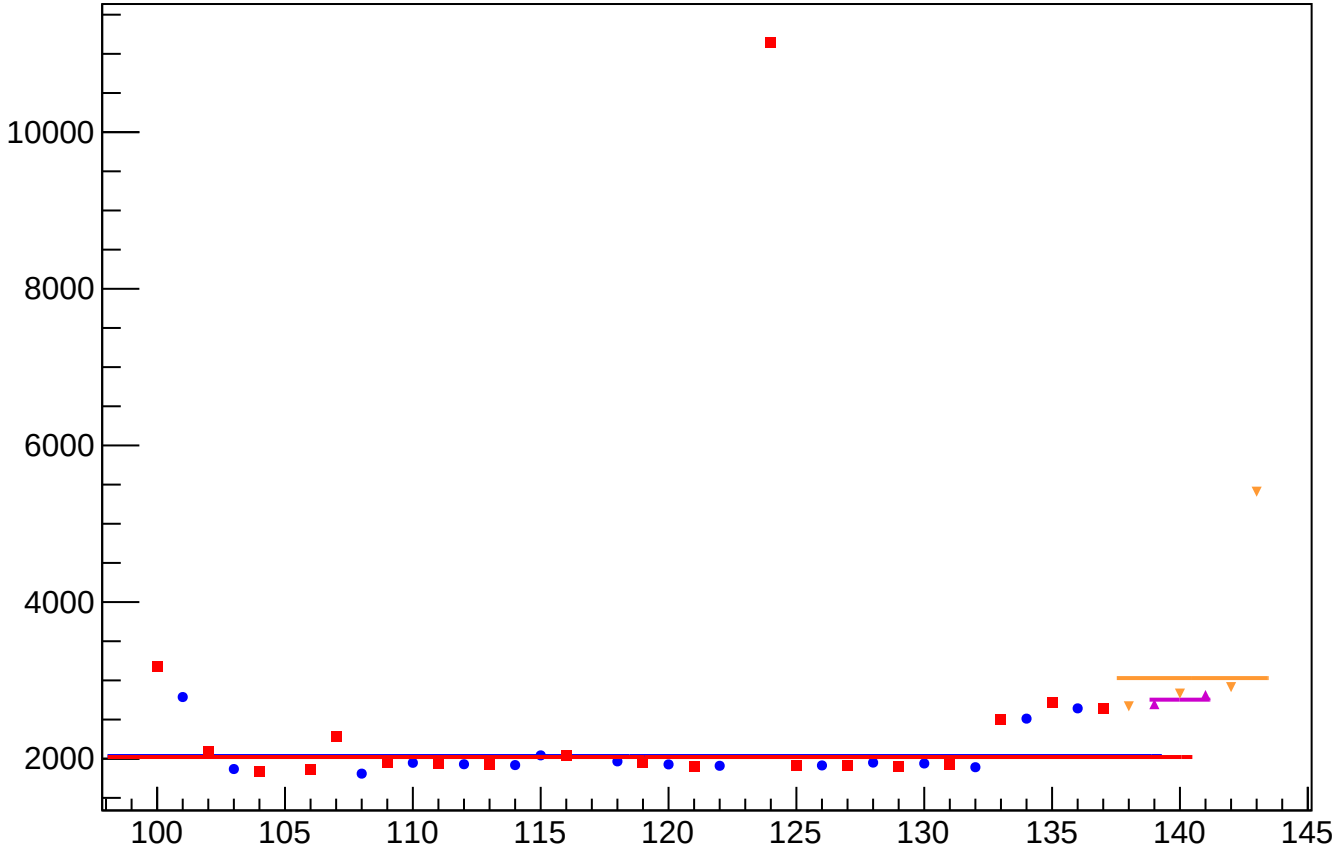
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2010.275+/-718.043 χ^2/NDF:9.7/17

Out: 2369.982+/-699.523 χ^2/NDF:27.7/22

All: 2194.827+/-501.057 χ^2/NDF: 37.5/40

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

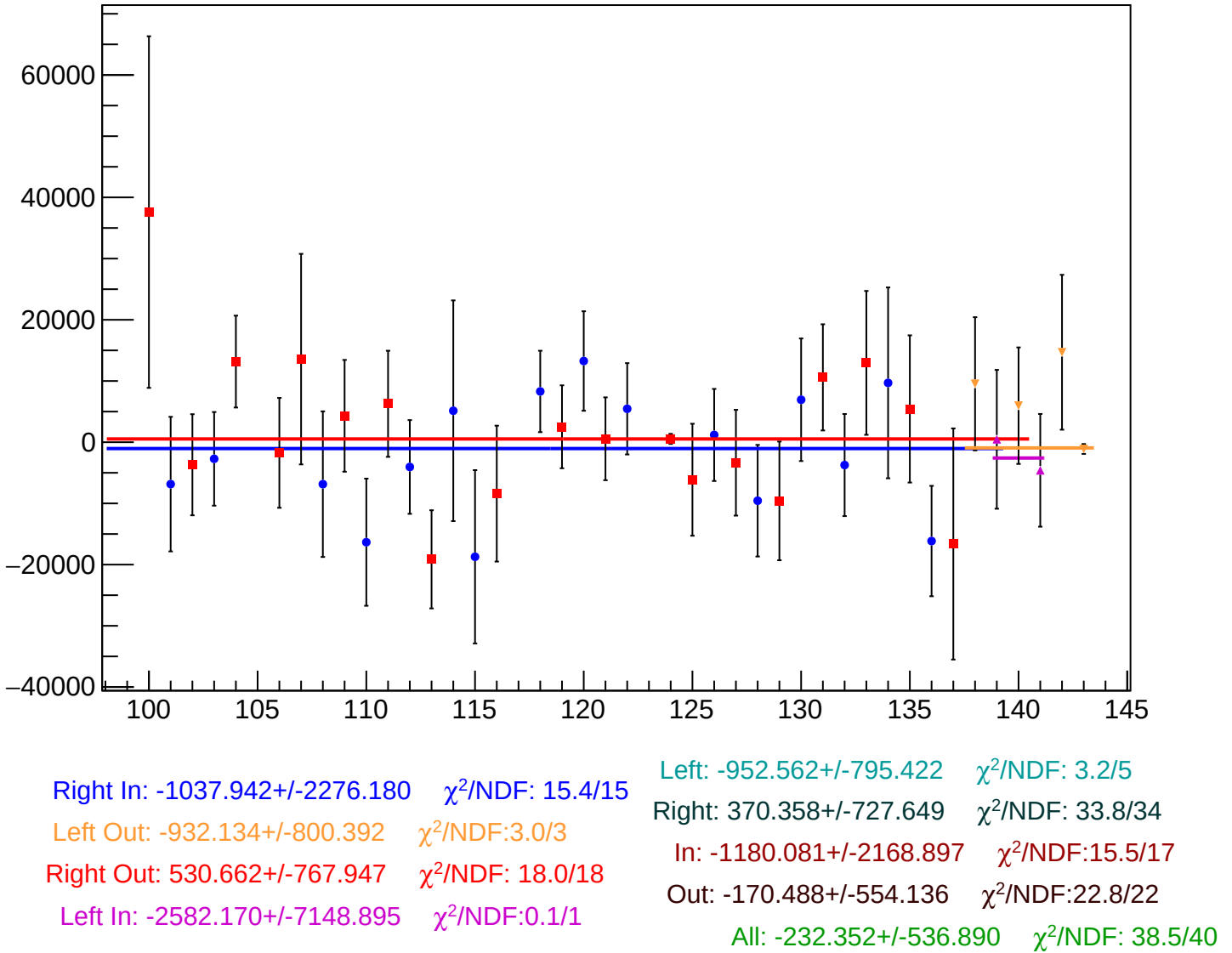
Left: 2909.264+/-0.978 χ^2/NDF: 375196.2/5

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2118.731+/-0.508 χ^2/NDF:472859.0/17

Out: 2166.871+/-0.495 χ^2/NDF:1256766.4/22

All: 2143.430+/-0.354 χ^2/NDF: 1734237.6/40


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
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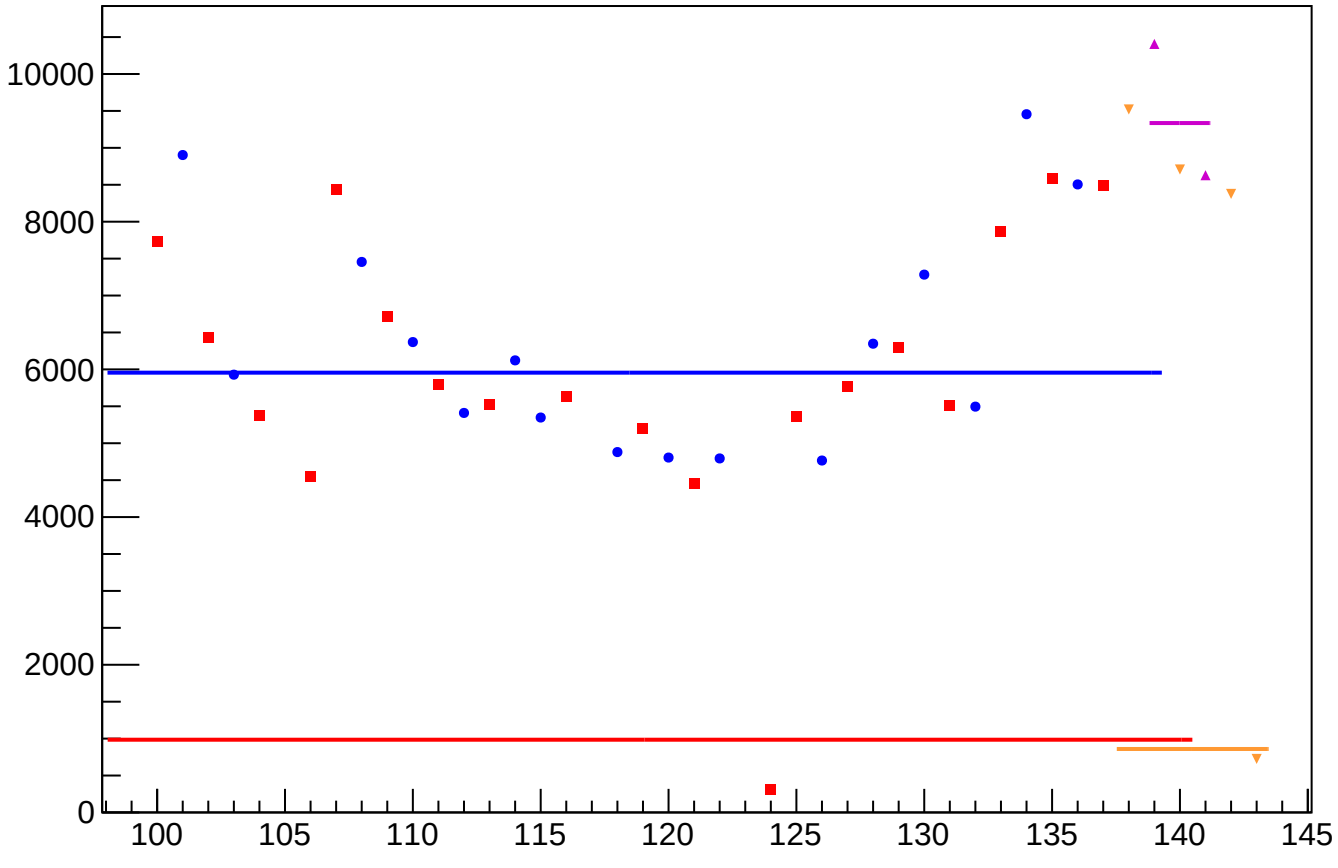
140
145
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -932.134+/-800.392 χ²/NDF:3.0/3
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: -2582.170+/-7148.895 χ²/NDF:0.1/1
Left: -952.562+/-795.422 χ²/NDF: 3.2/5
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -1180.081+/-2168.897 χ²/NDF:15.5/17
Out: -170.488+/-554.136 χ²/NDF:22.8/22
All: -232.352+/-536.890 χ²/NDF: 38.5/40



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 859.590+/-0.566 χ^2/NDF:3389127.3/3

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9335.859+/-5.055 χ^2/NDF:29626.4/1

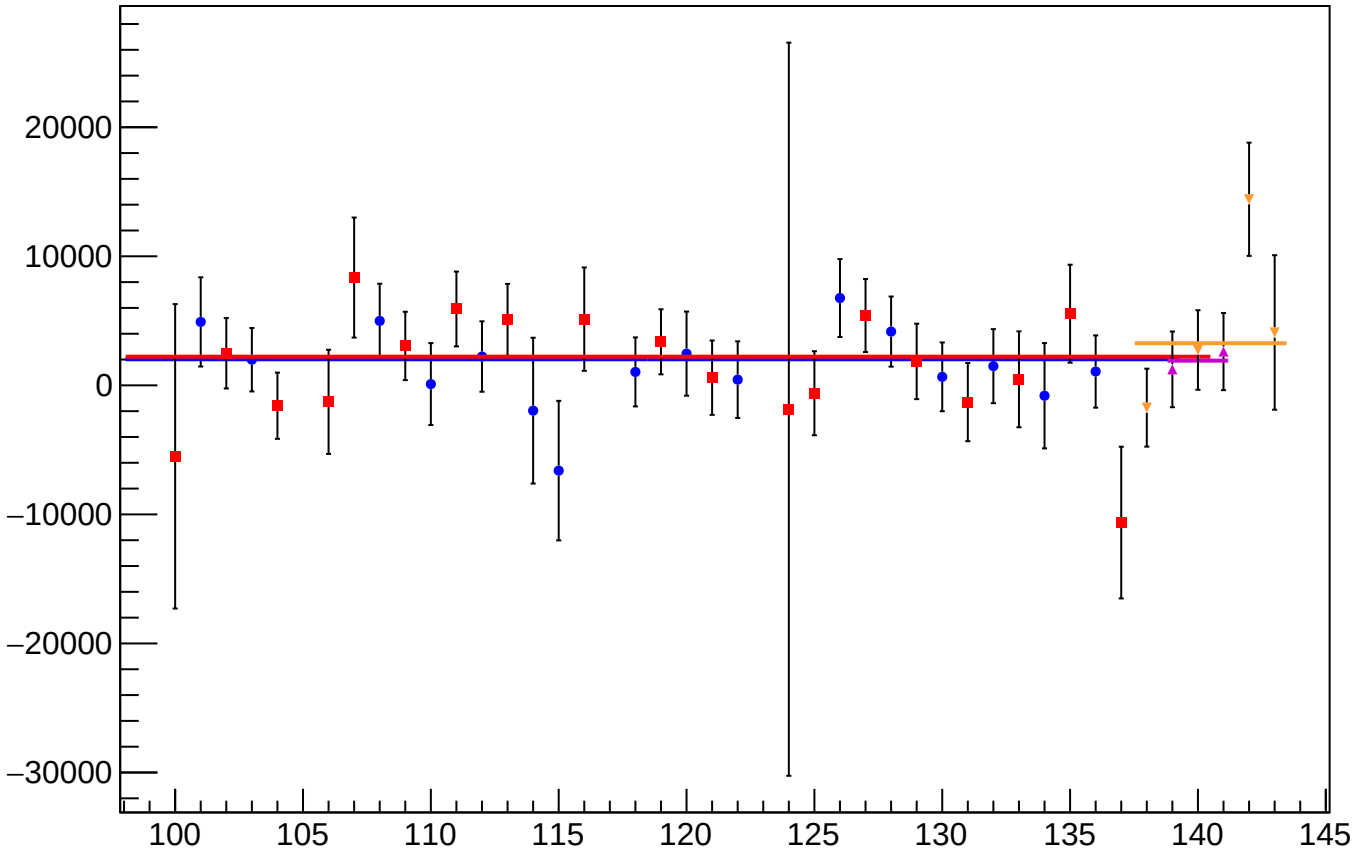
Left: 964.525+/-0.562 χ^2/NDF: 6195598.3/5

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6266.771+/-1.534 χ^2/NDF:1124749.6/17

Out: 924.911+/-0.392 χ^2/NDF:14827554.5/22

All: 1252.240+/-0.380 χ^2/NDF: 27341025.1/4



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3265.723+/-1842.377 χ^2/NDF:9.2/3

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: 2677.032+/-1383.393 χ^2/NDF: 9.6/5

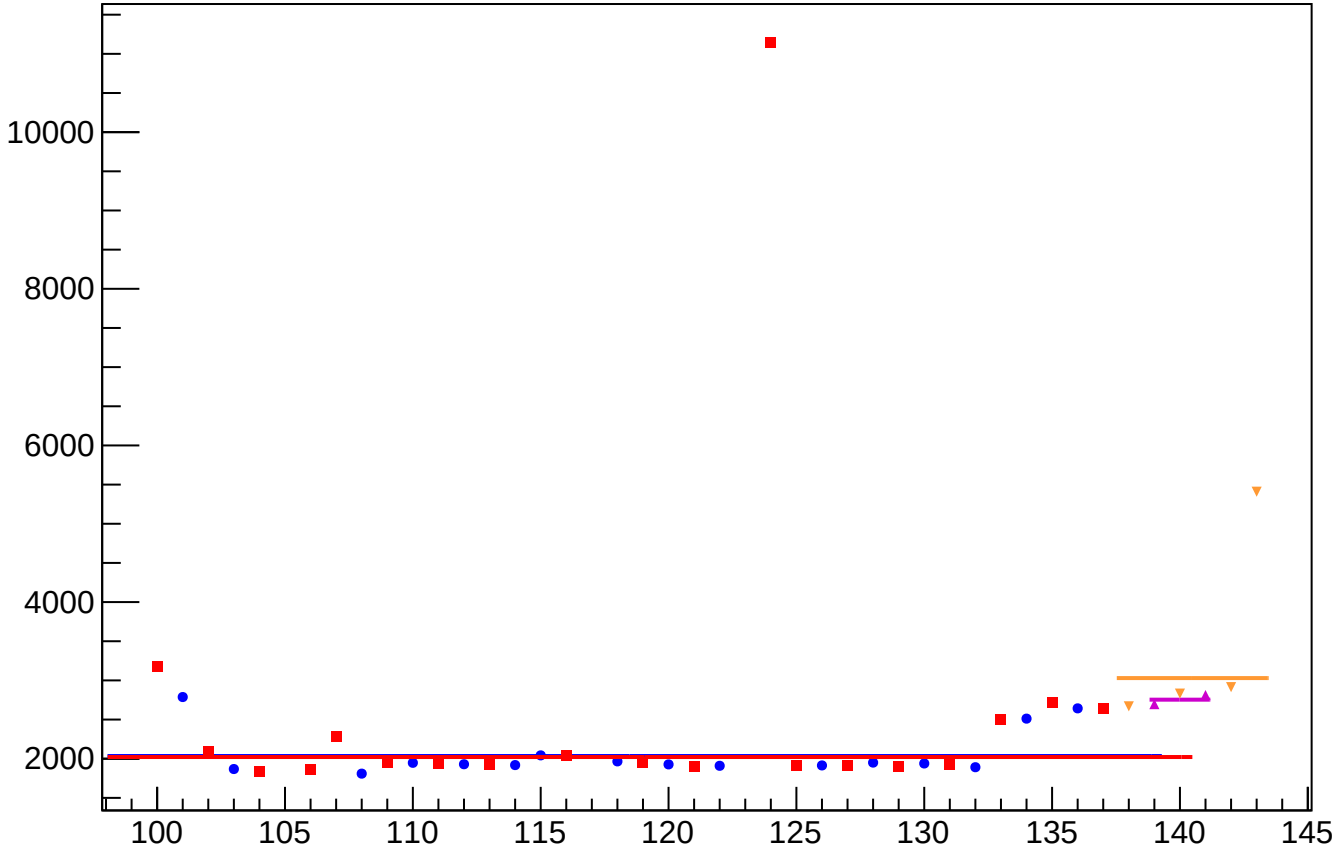
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2010.275+/-718.043 χ^2/NDF:9.7/17

Out: 2369.982+/-699.523 χ^2/NDF:27.7/22

All: 2194.827+/-501.057 χ^2/NDF: 37.5/40

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3029.501+/-1.303 χ^2/NDF:354126.9/3

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2753.847+/-1.481 χ^2/NDF:1540.5/1

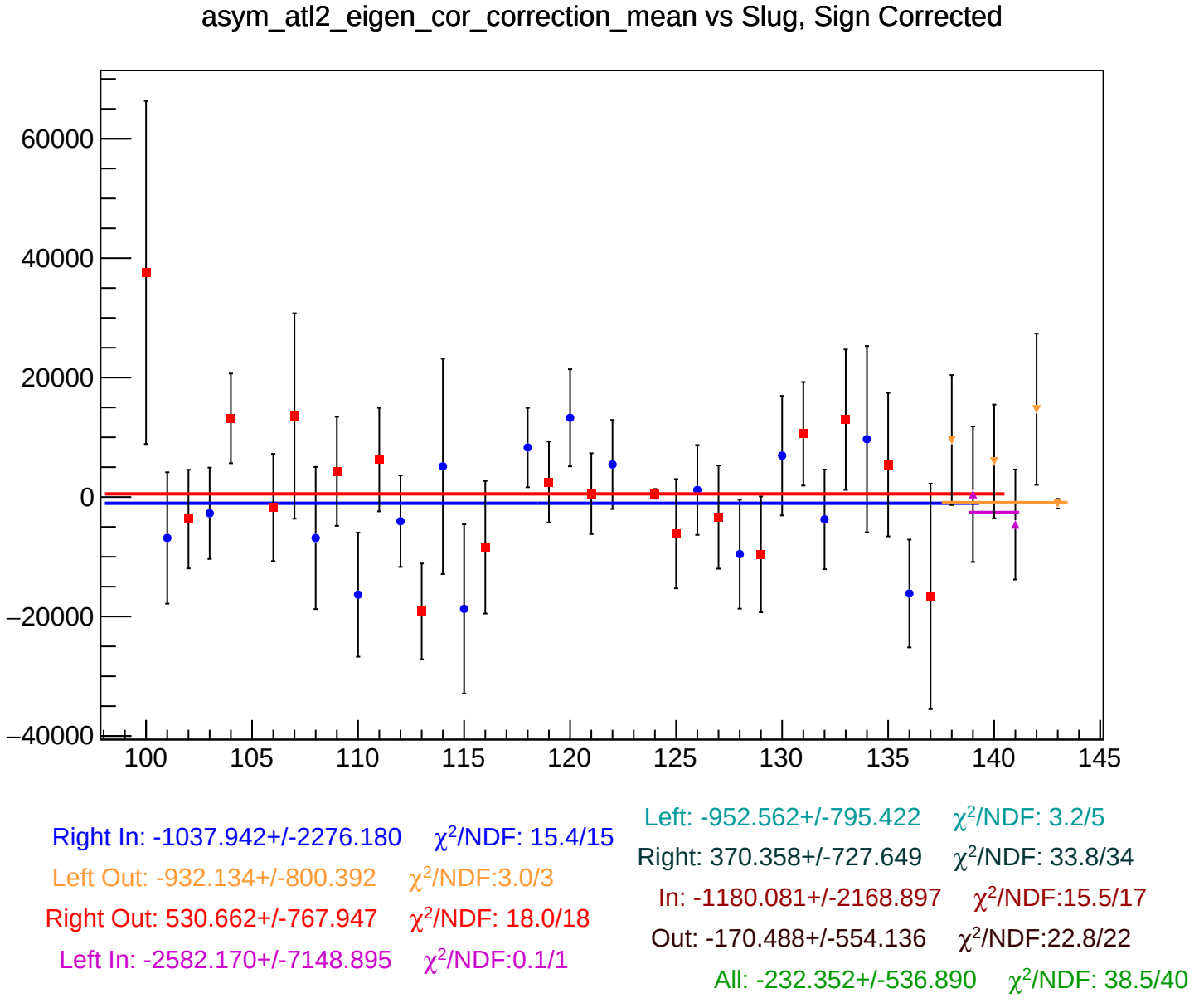
Left: 2909.264+/-0.978 χ^2/NDF: 375196.2/5

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2118.731+/-0.508 χ^2/NDF:472859.0/17

Out: 2166.871+/-0.495 χ^2/NDF:1256766.4/22

All: 2143.430+/-0.354 χ^2/NDF: 1734237.6/40


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
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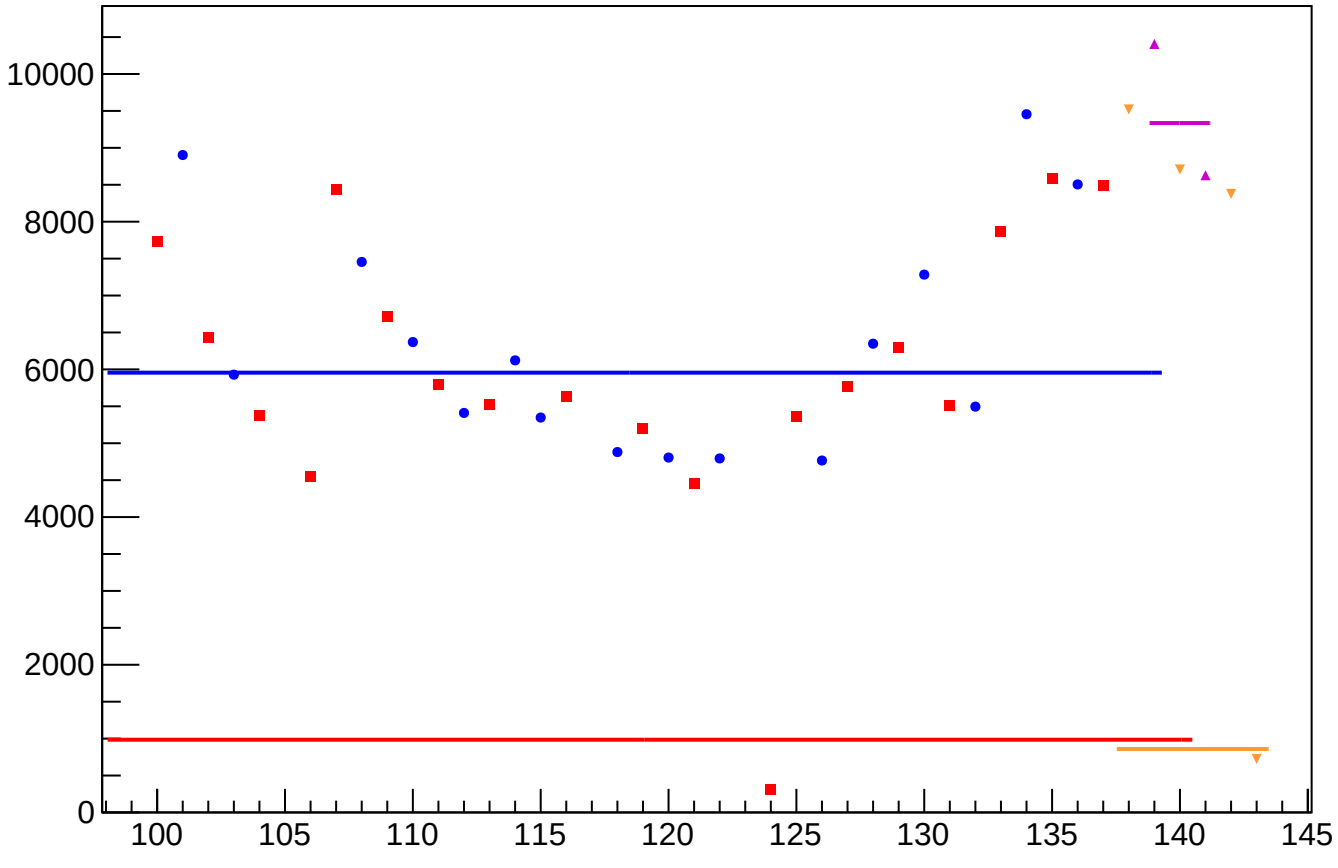
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -932.134+/-800.392 χ²/NDF:3.0/3
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: -2582.170+/-7148.895 χ²/NDF:0.1/1
Left: -952.562+/-795.422 χ²/NDF: 3.2/5
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -1180.081+/-2168.897 χ²/NDF:15.5/17
Out: -170.488+/-554.136 χ²/NDF:22.8/22
All: -232.352+/-536.890 χ²/NDF: 38.5/40



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 859.590+/-0.566 χ^2/NDF:3389127.3/3

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9335.859+/-5.055 χ^2/NDF:29626.4/1

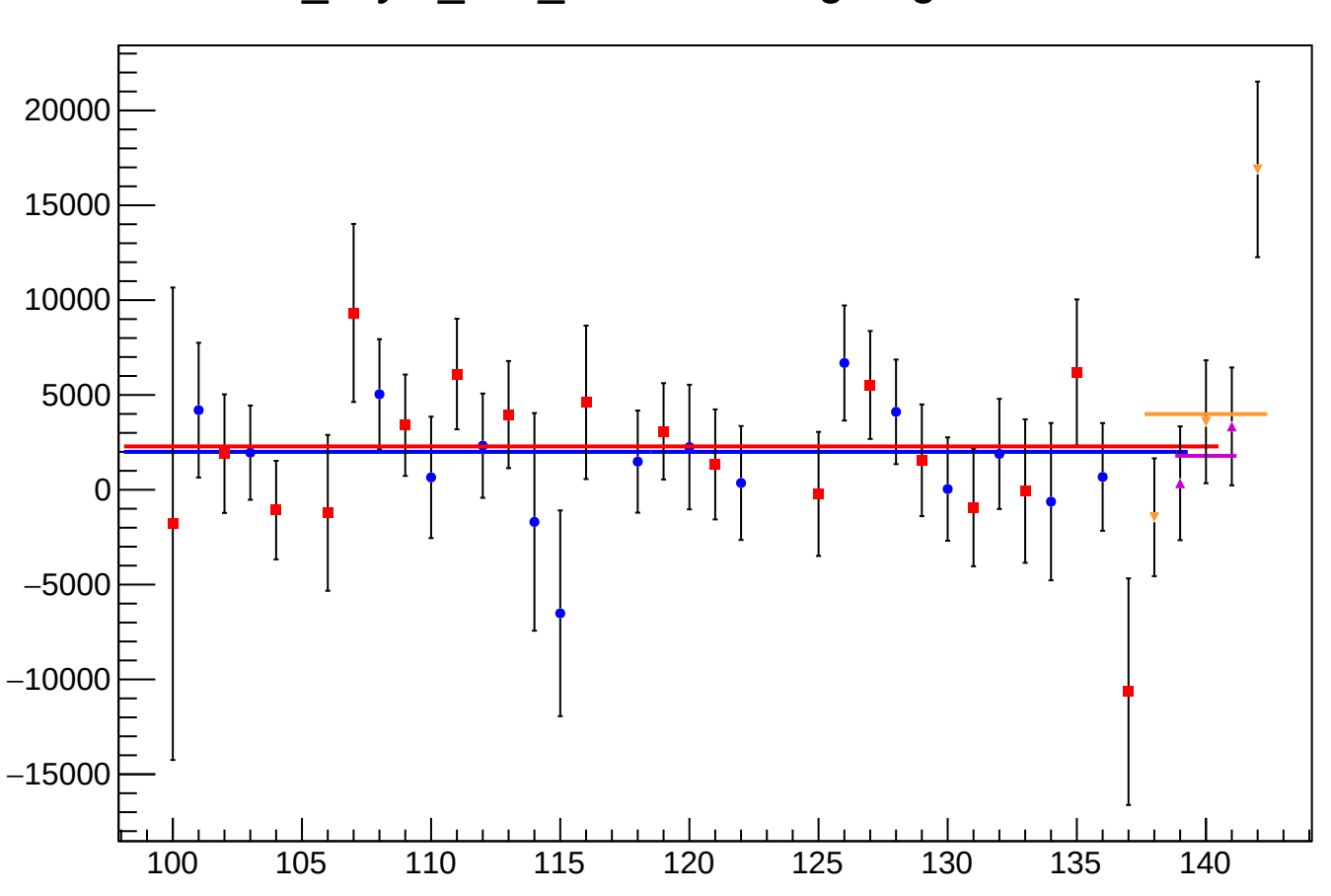
Left: 964.525+/-0.562 χ^2/NDF: 6195598.3/5

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6266.771+/-1.534 χ^2/NDF:1124749.6/17

Out: 924.911+/-0.392 χ^2/NDF:14827554.5/22

All: 1252.240+/-0.380 χ^2/NDF: 27341025.1/4



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 3990.272+/-2018.507 χ^2/NDF:10.8/2

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 1789.663+/-2158.027 χ^2/NDF:0.5/1

Left: 2963.398+/-1474.158 χ^2/NDF: 11.9/4

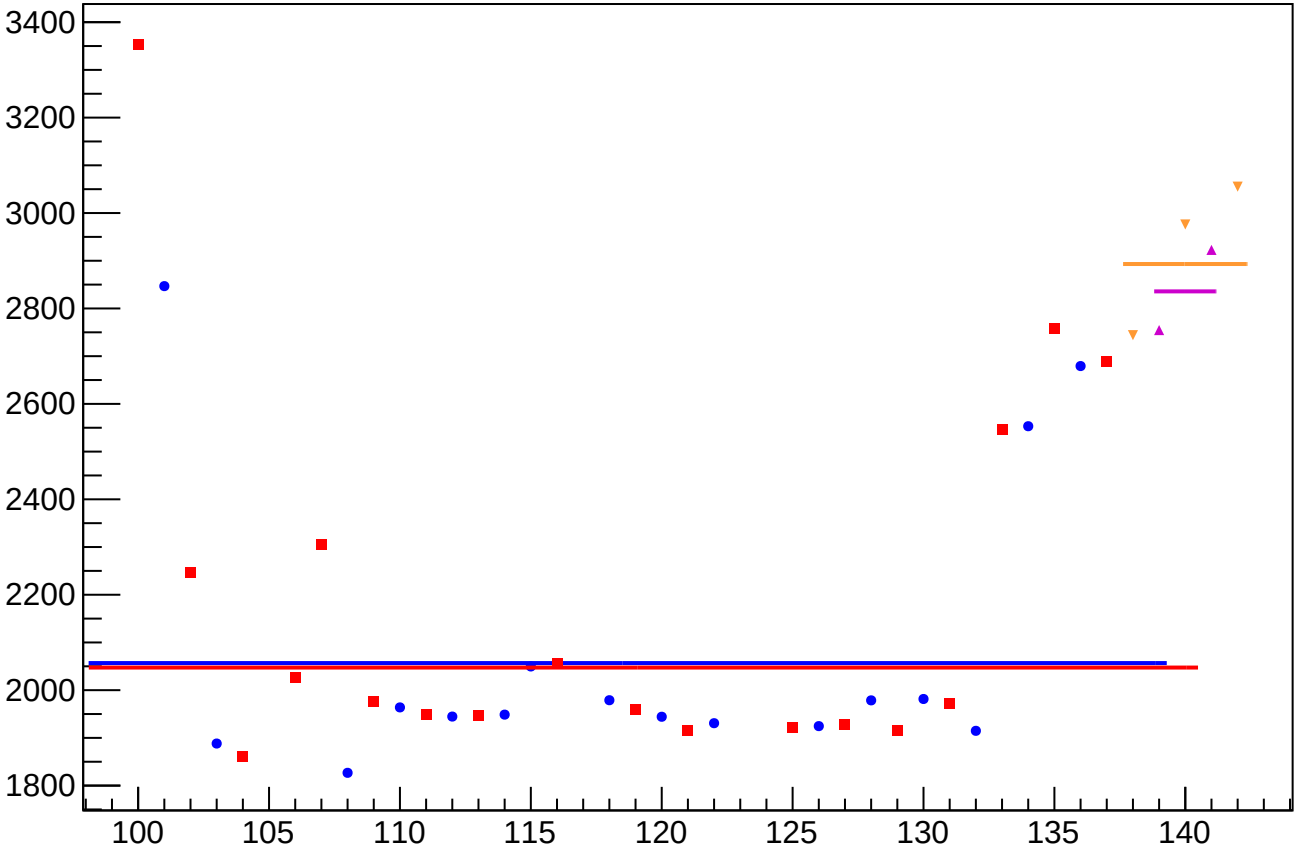
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 1975.355+/-728.172 χ^2/NDF:9.5/17

Out: 2503.050+/-720.490 χ^2/NDF:28.1/20

All: 2242.000+/-512.158 χ^2/NDF: 37.9/38

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2893.150+/-1.427 χ^2/NDF:8369.4/2

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2835.791+/-1.526 χ^2/NDF:3028.7/1

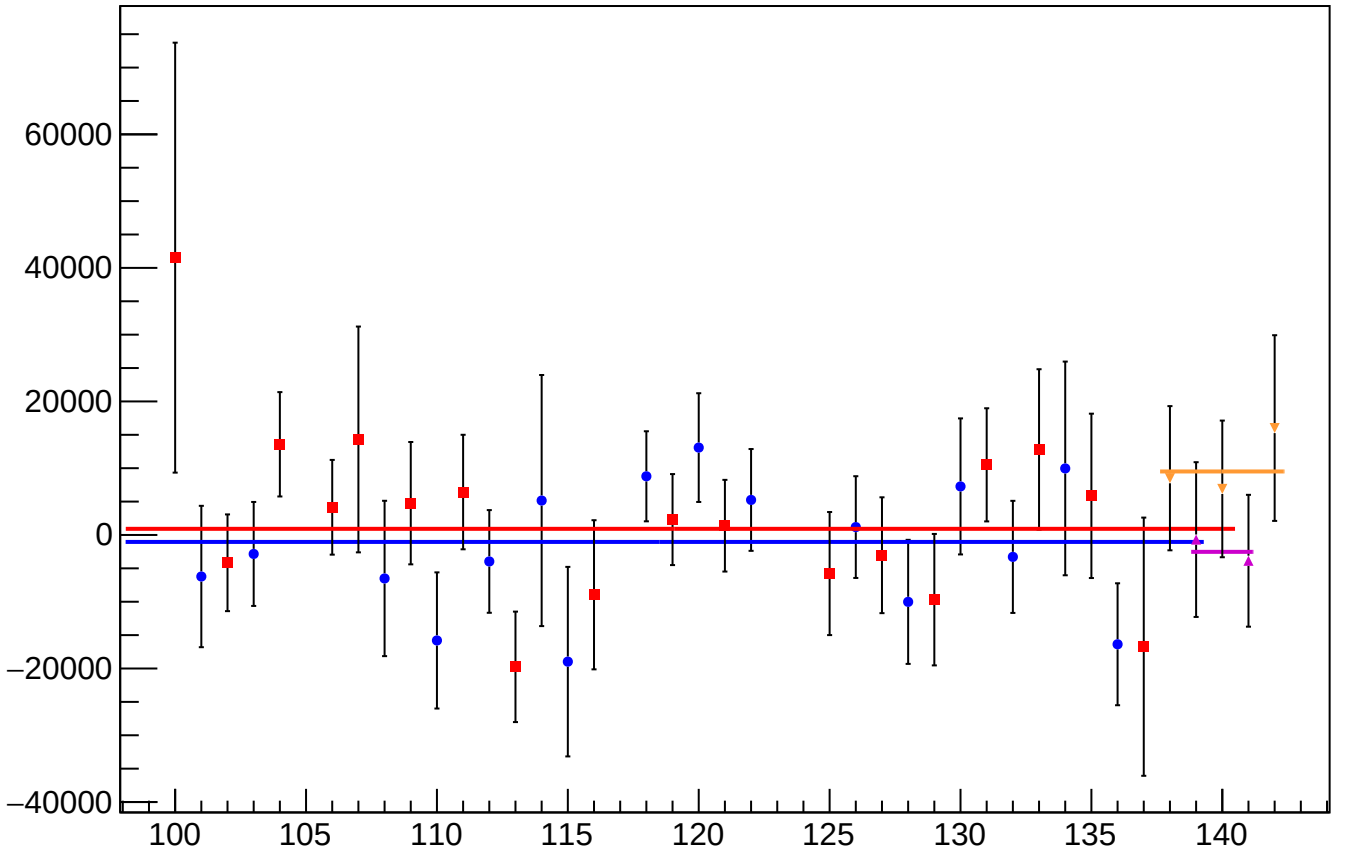
Left: 2866.384+/-1.042 χ^2/NDF: 12151.7/4

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2145.488+/-0.515 χ^2/NDF:504419.0/17

Out: 2154.872+/-0.509 χ^2/NDF:511393.0/20

All: 2150.236+/-0.362 χ^2/NDF: 1015980.0/38



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 9511.069+/-6551.819 χ^2/NDF:0.3/2

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -2528.386+/-7516.215 χ^2/NDF:0.0/1

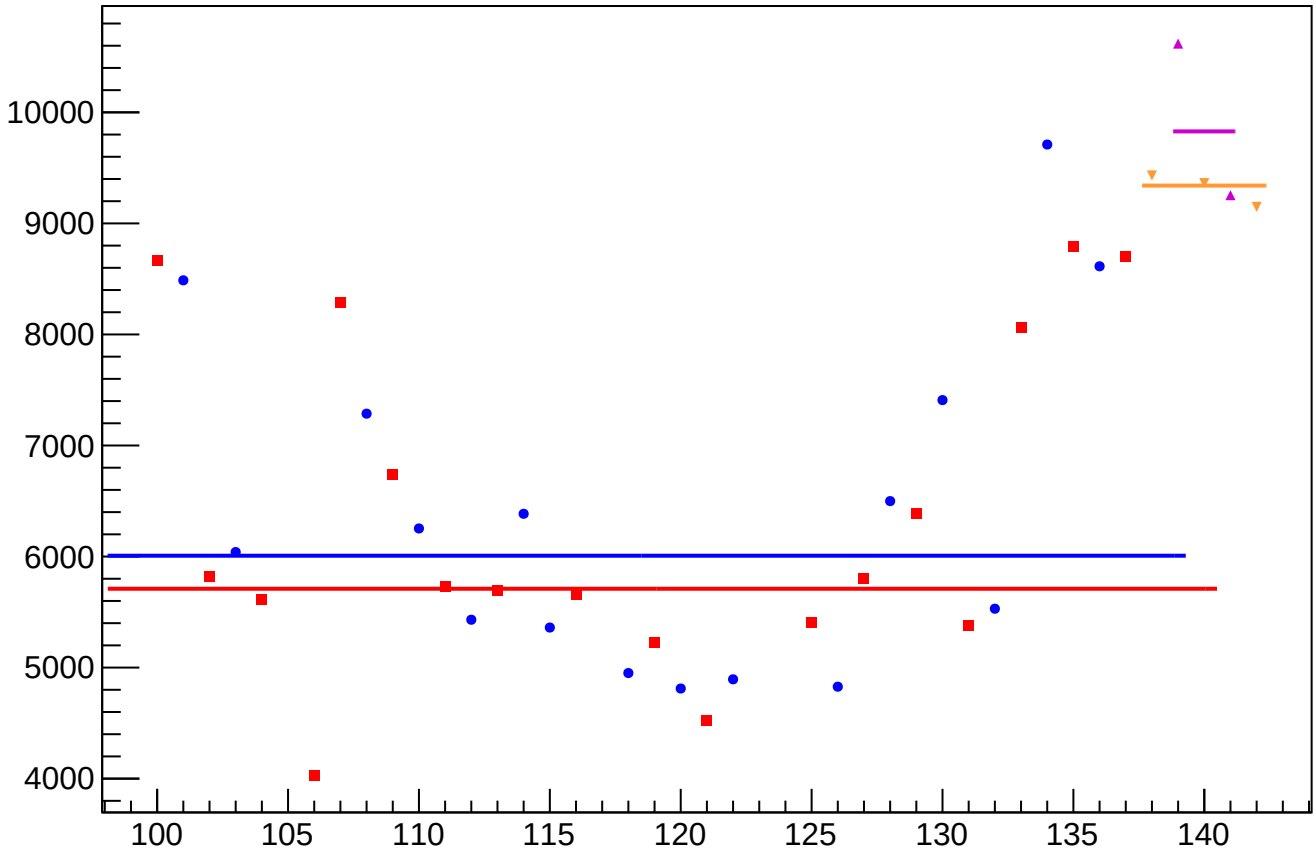
Left: 4312.814+/-4938.836 χ^2/NDF: 1.8/4

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -1169.193+/-2194.615 χ^2/NDF:15.4/17

Out: 1755.511+/-2043.589 χ^2/NDF:20.2/20

All: 397.247+/-1495.579 χ^2/NDF: 36.5/38



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9340.500+/-4.633 χ^2/NDF:532.3/2

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9828.482+/-5.315 χ^2/NDF:16073.6/1

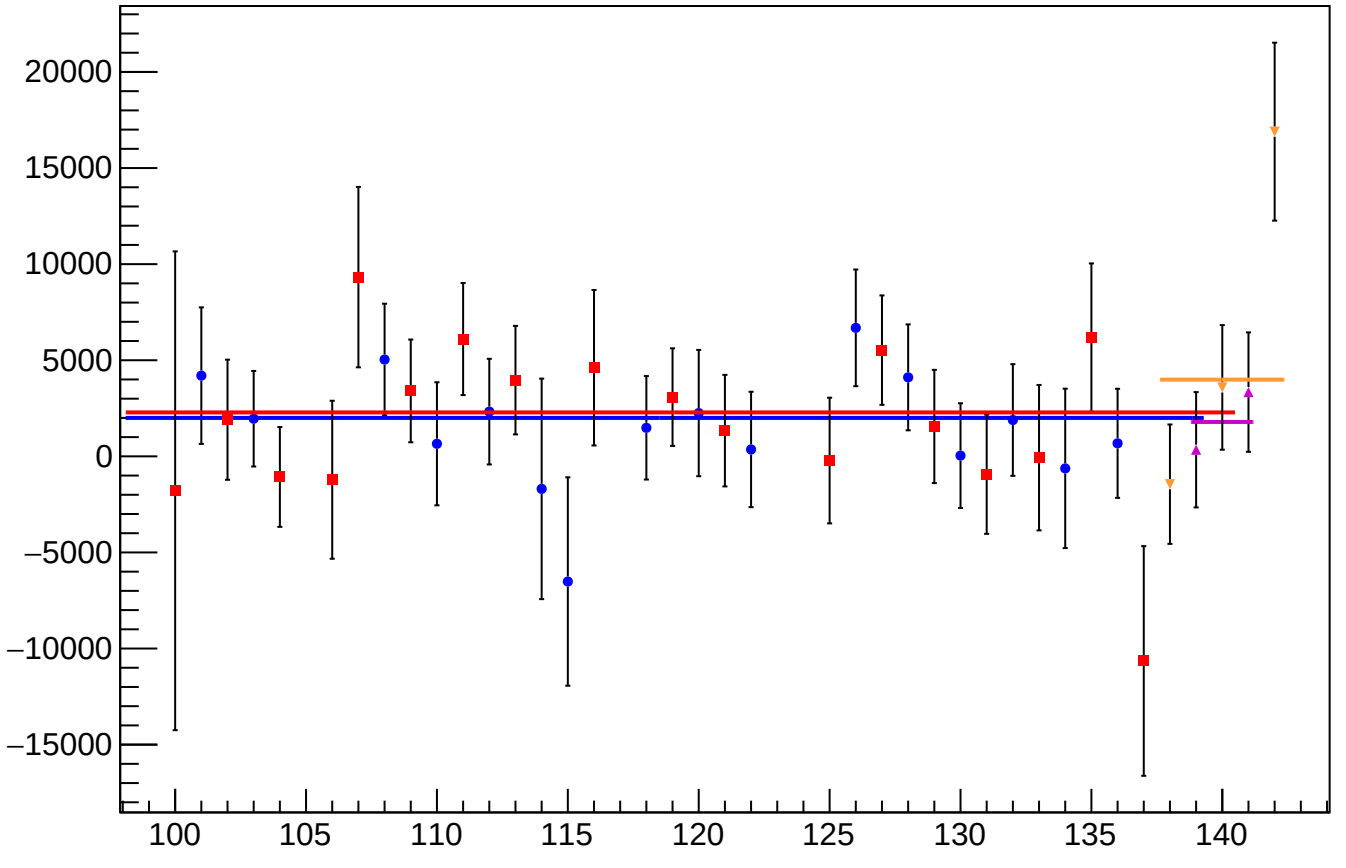
Left: 9551.195+/-3.492 χ^2/NDF: 21396.2/4

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6333.188+/-1.552 χ^2/NDF:1142893.5/17

Out: 6063.119+/-1.445 χ^2/NDF:1090843.2/20

All: 6188.542+/-1.058 χ^2/NDF: 2249958.2/38



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 3990.294+/-2018.509 χ^2/NDF:10.8/2

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 1789.659+/-2158.029 χ^2/NDF:0.5/1

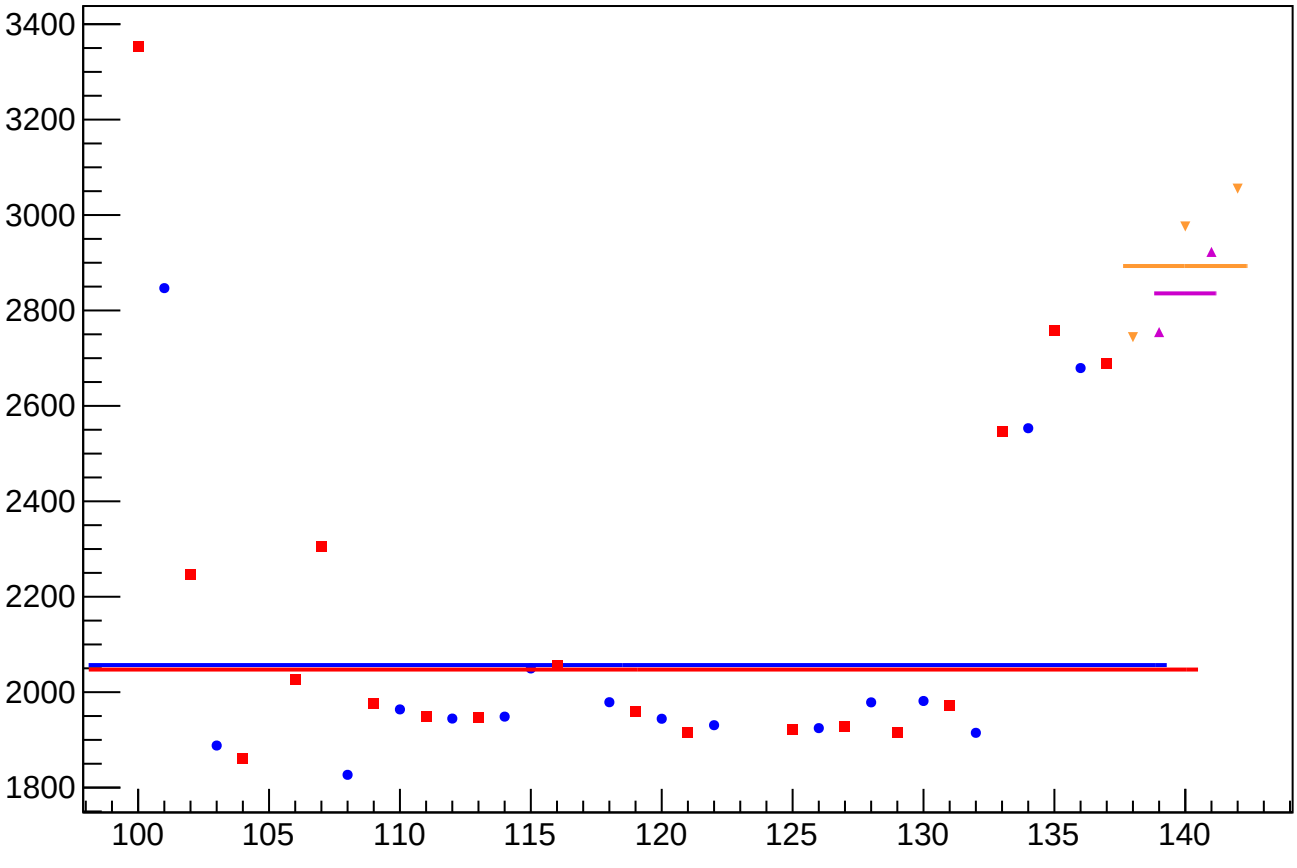
Left: 2963.408+/-1474.159 χ^2/NDF: 11.9/4

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 1975.359+/-728.172 χ^2/NDF:9.5/17

Out: 2503.055+/-720.490 χ^2/NDF:28.1/20

All: 2242.005+/-512.158 χ^2/NDF: 37.9/38


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
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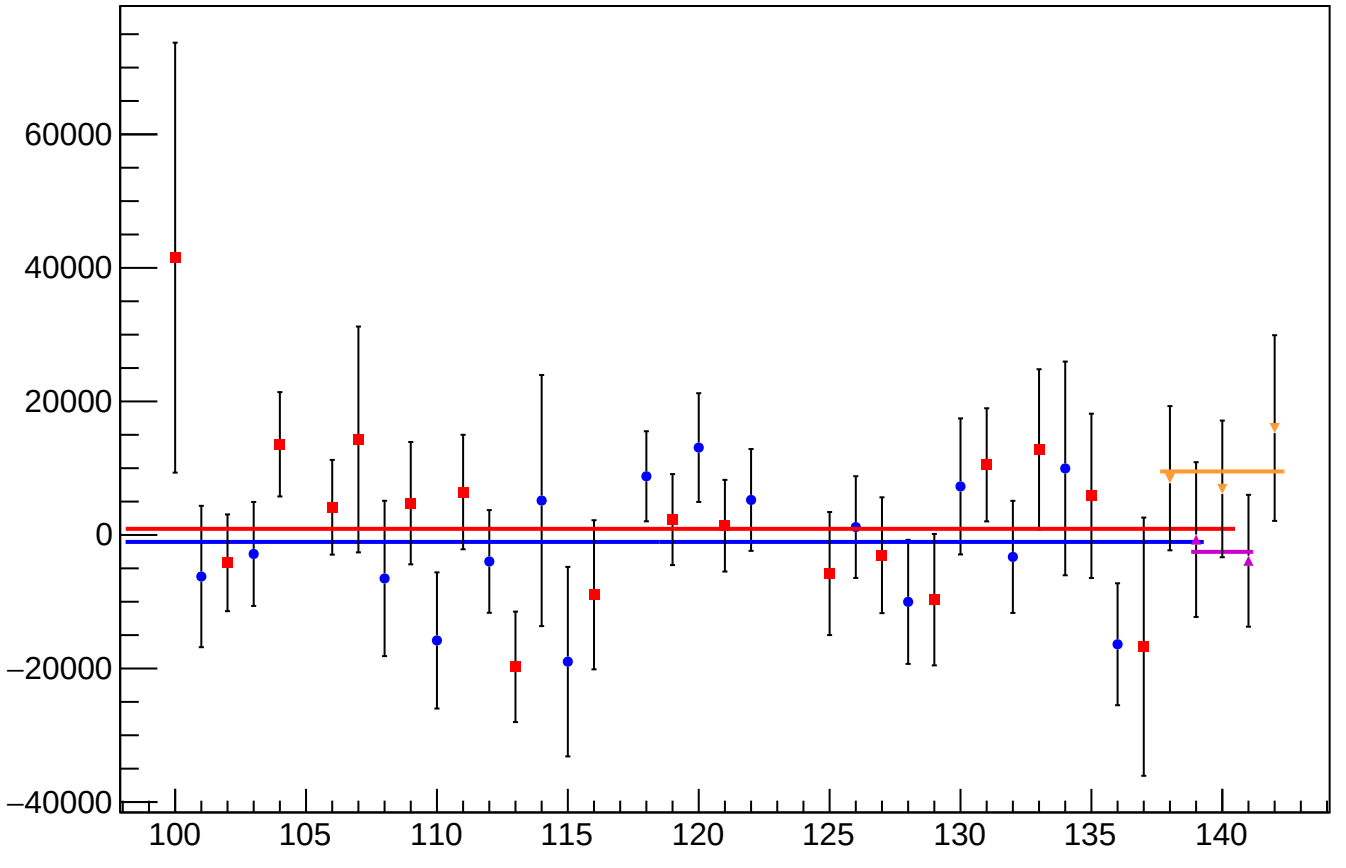
135
140
Right In: 2056.796+/-0.547 χ²/NDF: 270454.5/15
Left Out: 2893.152+/-1.427 χ²/NDF:8369.7/2
Right Out: 2047.400+/-0.545 χ²/NDF: 196523.3/17
Left In: 2835.794+/-1.526 χ²/NDF:3028.7/1
Left: 2866.387+/-1.042 χ²/NDF: 12152.0/4
Right: 2052.077+/-0.386 χ²/NDF: 467125.9/33
In: 2145.489+/-0.515 χ²/NDF:504420.1/17
Out: 2154.872+/-0.509 χ²/NDF:511394.8/20
All: 2150.236+/-0.362 χ²/NDF: 1015983.0/38



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 9511.109+/-6551.837 χ^2/NDF:0.3/2

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: -2528.389+/-7516.233 χ^2/NDF:0.0/1

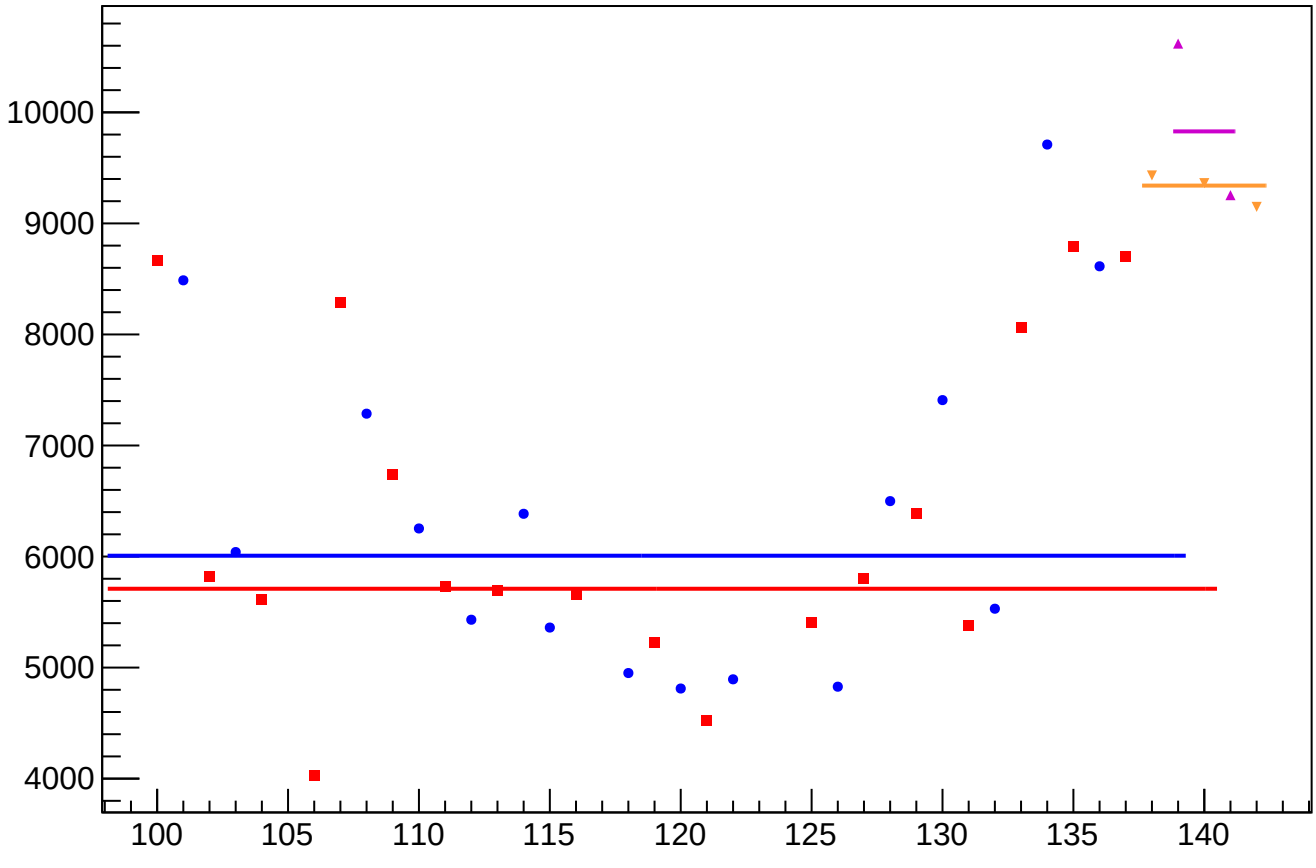
Left: 4312.832+/-4938.848 χ^2/NDF: 1.8/4

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -1169.180+/-2194.609 χ^2/NDF:15.4/17

Out: 1755.511+/-2043.584 χ^2/NDF:20.2/20

All: 397.252+/-1495.576 χ^2/NDF: 36.5/38



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9340.526+/-4.633 χ^2/NDF:532.3/2

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9828.504+/-5.315 χ^2/NDF:16074.1/1

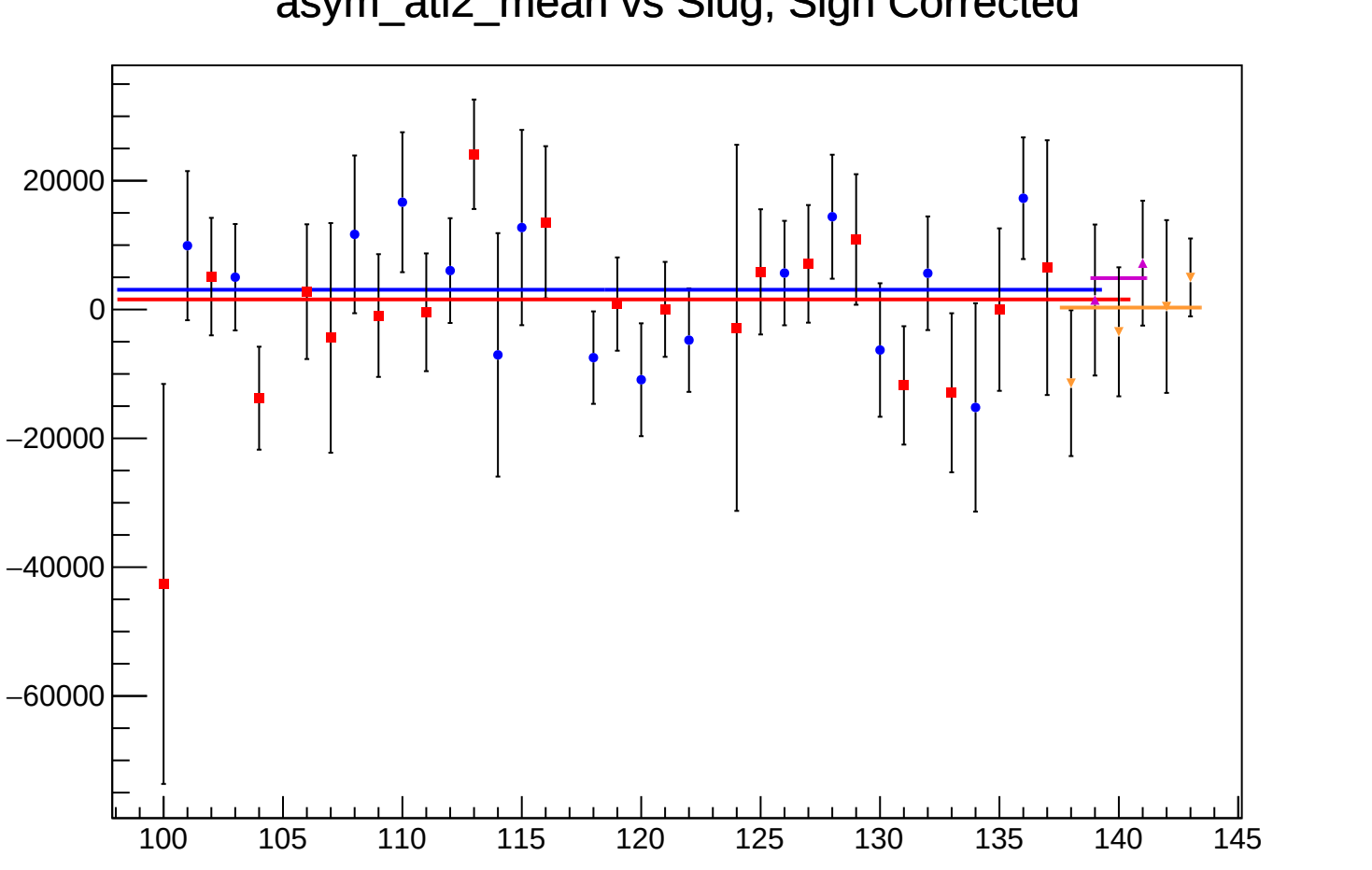
Left: 9551.219+/-3.492 χ^2/NDF: 21396.7/4

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6333.168+/-1.552 χ^2/NDF:1142910.8/17

Out: 6063.103+/-1.445 χ^2/NDF:1090857.6/20

All: 6188.524+/-1.058 χ^2/NDF: 2249989.7/38



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 302.122+/-4440.692 χ^2/NDF:1.8/3

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 4874.816+/-7470.180 χ^2/NDF:0.1/1

Left: 1496.089+/-3817.167 χ^2/NDF: 2.2/5

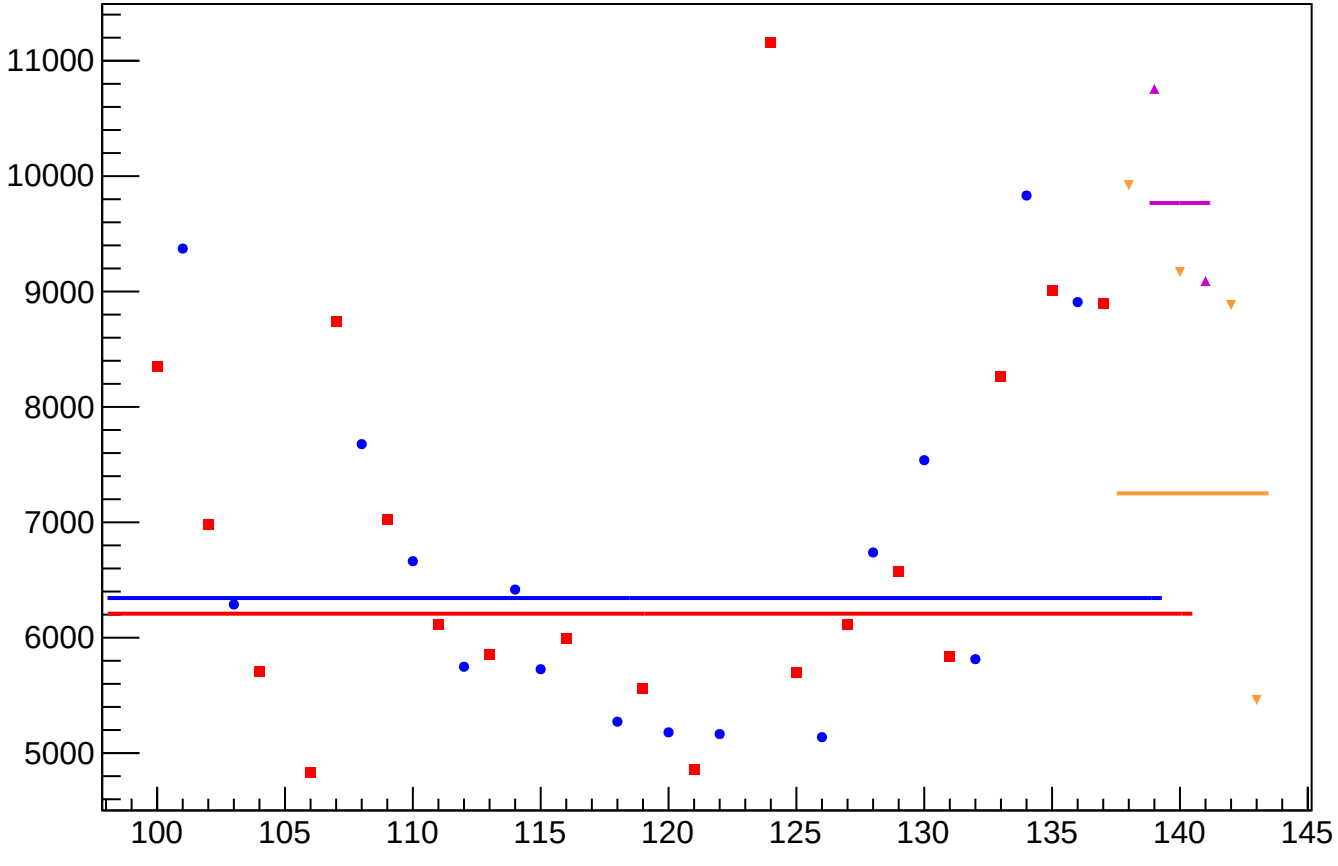
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 3241.777+/-2302.830 χ^2/NDF:15.1/17

Out: 1292.935+/-2067.320 χ^2/NDF:21.1/22

All: 2162.636+/-1538.362 χ^2/NDF: 36.5/40

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7251.264+/-3.140 χ^2/NDF:389818.3/3

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9767.752+/-5.282 χ^2/NDF:23974.6/1

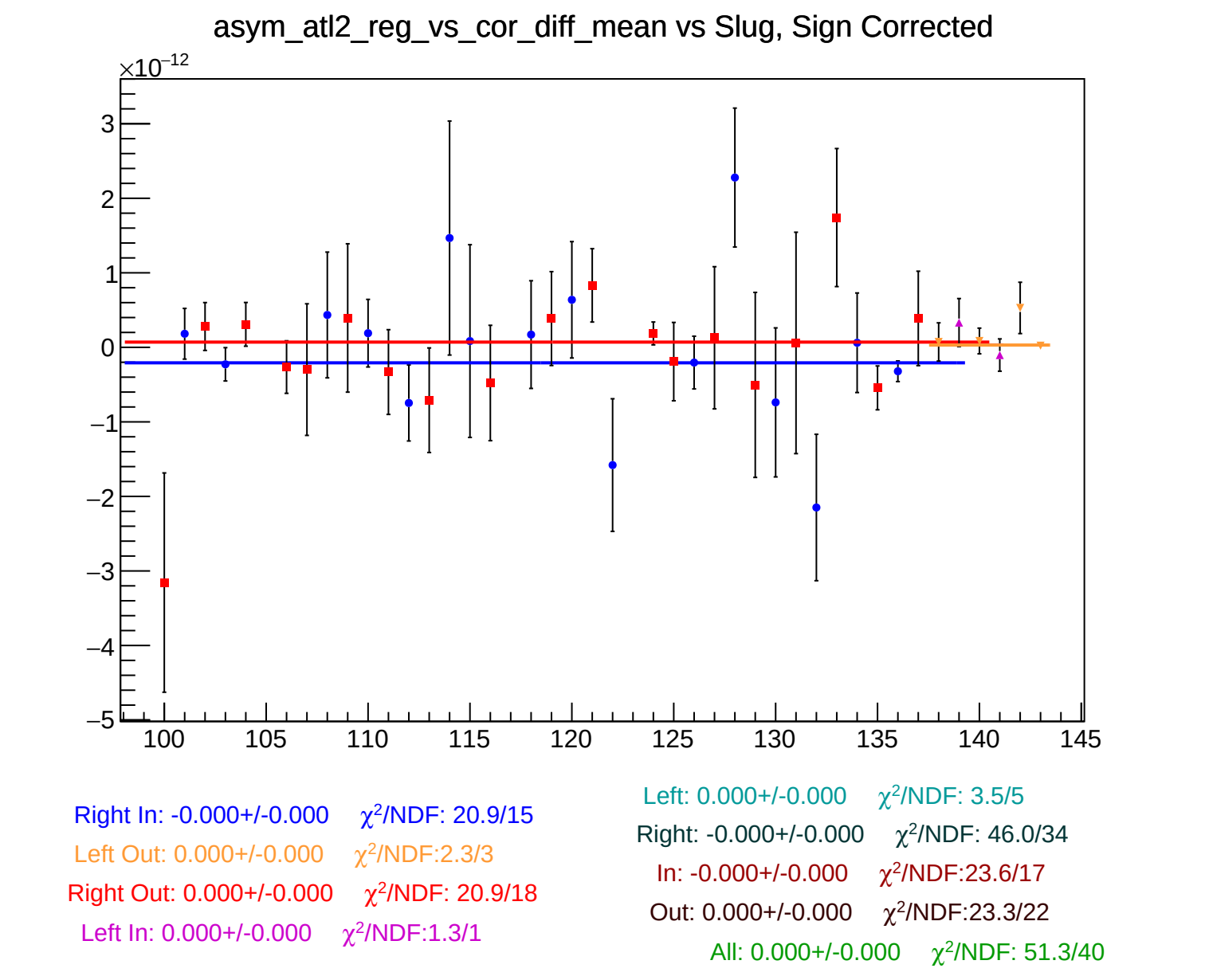
Left: 7908.339+/-2.699 χ^2/NDF: 581495.0/5

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 6669.174+/-1.628 χ^2/NDF:1025455.4/17

Out: 6434.181+/-1.462 χ^2/NDF:948105.6/22

All: 6539.050+/-1.088 χ^2/NDF: 1985093.4/40


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
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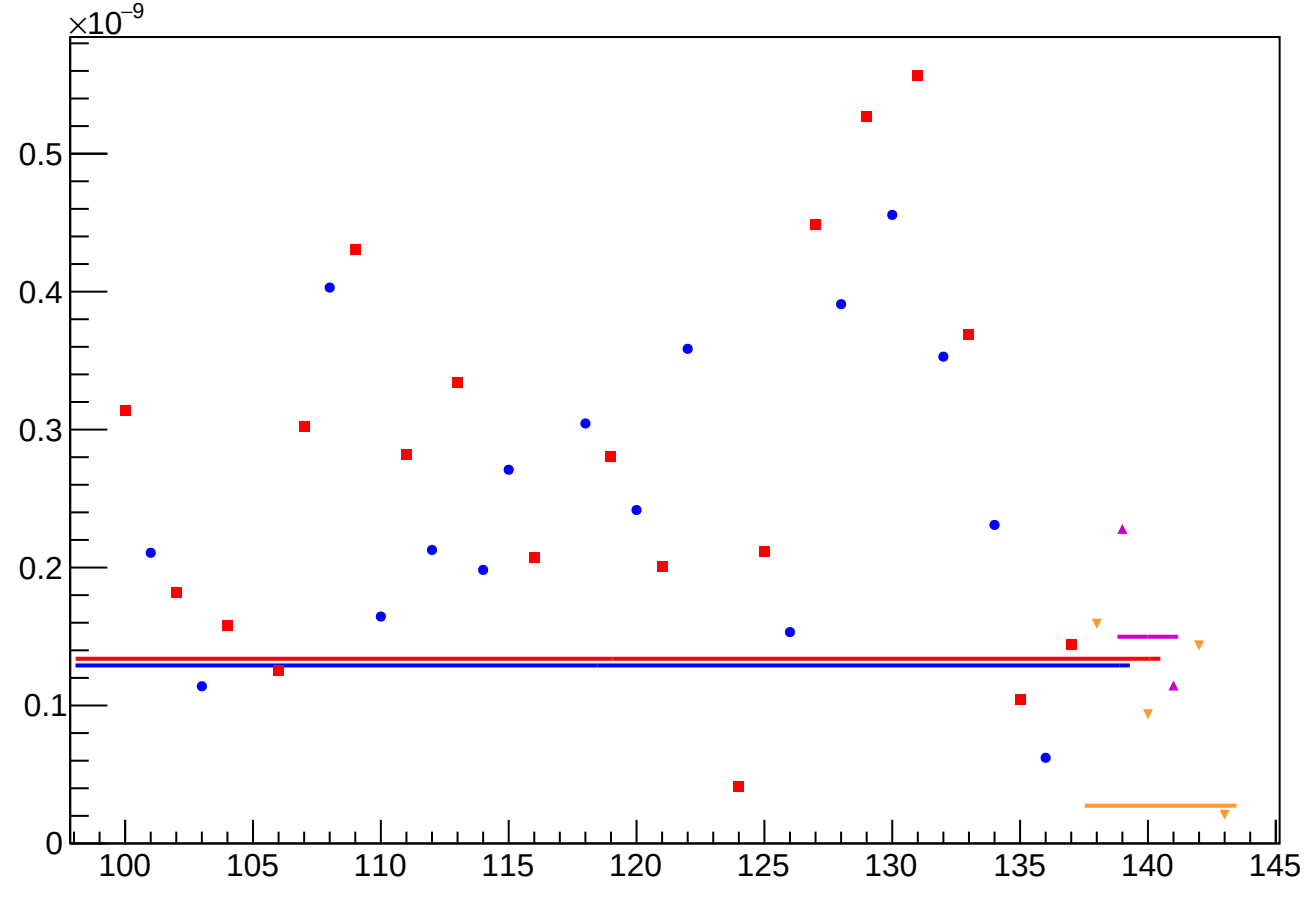
−3
−4
−5
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: 0.000+/-0.000 χ²/NDF:1.3/1
Left: 0.000+/-0.000 χ²/NDF: 3.5/5
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:23.6/17
Out: 0.000+/-0.000 χ²/NDF:23.3/22
All: 0.000+/-0.000 χ²/NDF: 51.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1122109.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:170750.0/1

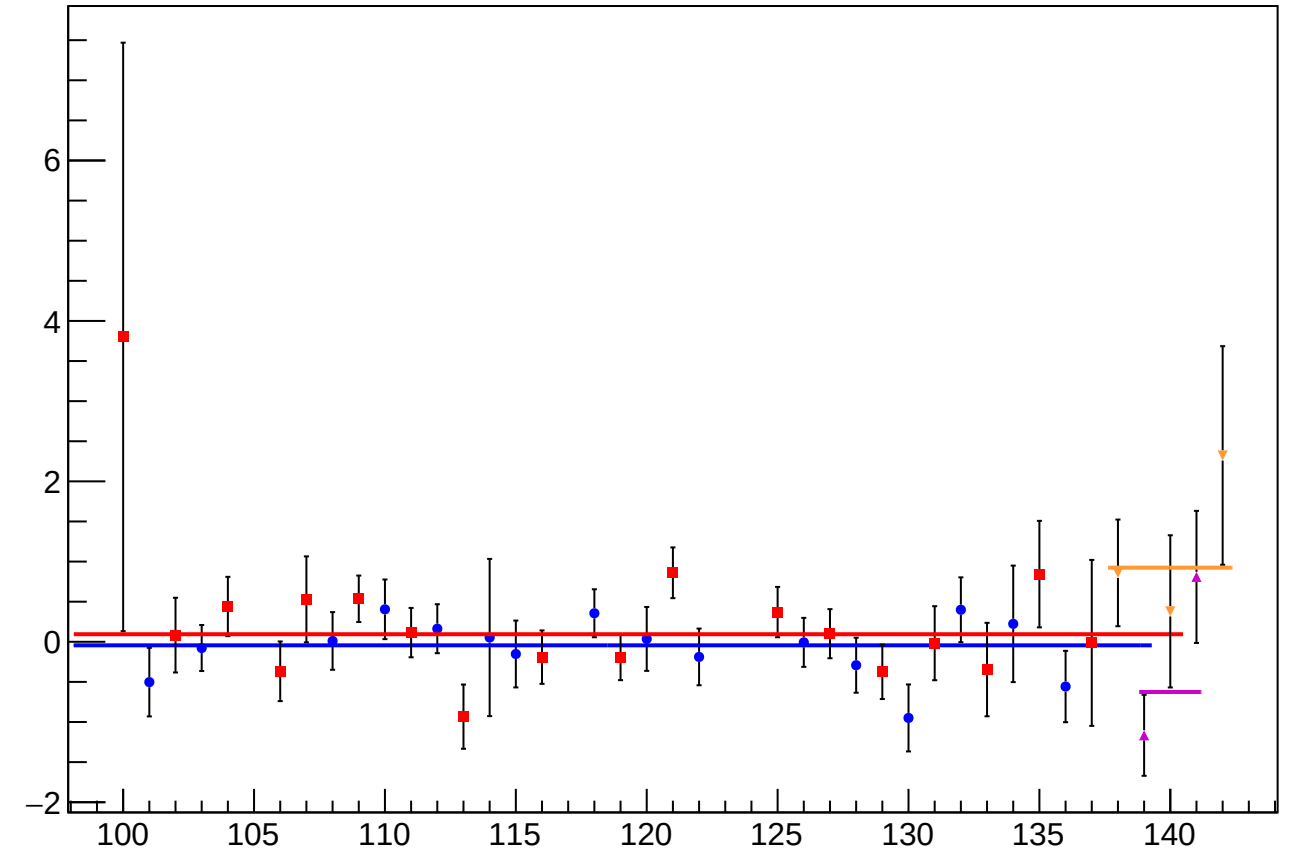
Left: 0.000+/-0.000 χ^2/NDF: 2187788.3/5

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:5620747.0/22

All: 0.000+/-0.000 χ^2/NDF: 9709939.2/40



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

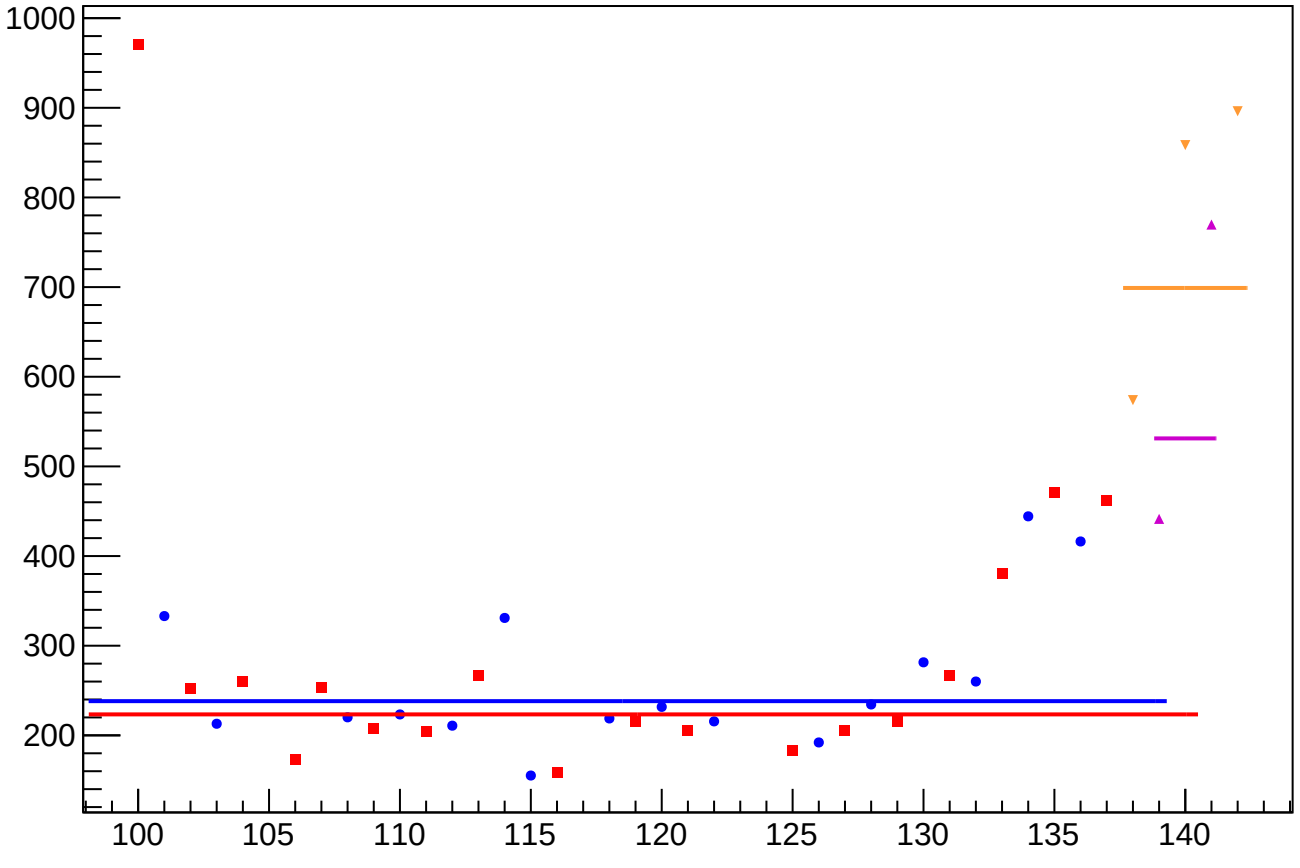
Left: 0.025+/-0.328 χ^2/NDF: 11.0/4

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.028+/-0.064 χ^2/NDF: 50.5/38



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 699.042+/-0.357 χ^2/NDF:169121.0/2

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: 601.756+/-0.232 χ^2/NDF: 527923.4/4

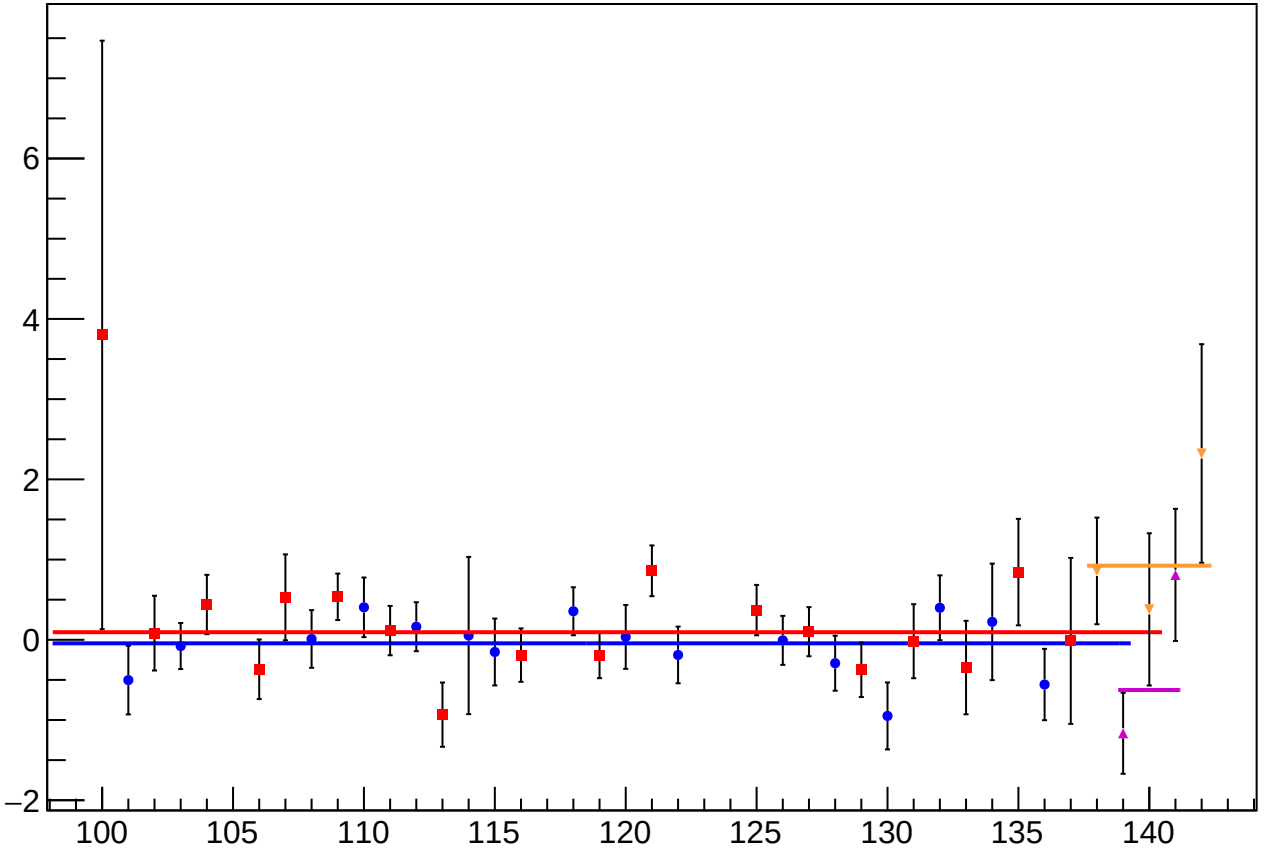
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 251.451+/-0.065 χ^2/NDF:1923330.5/17

Out: 238.011+/-0.063 χ^2/NDF:2747682.2/20

All: 244.507+/-0.045 χ^2/NDF: 4693234.0/38

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: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

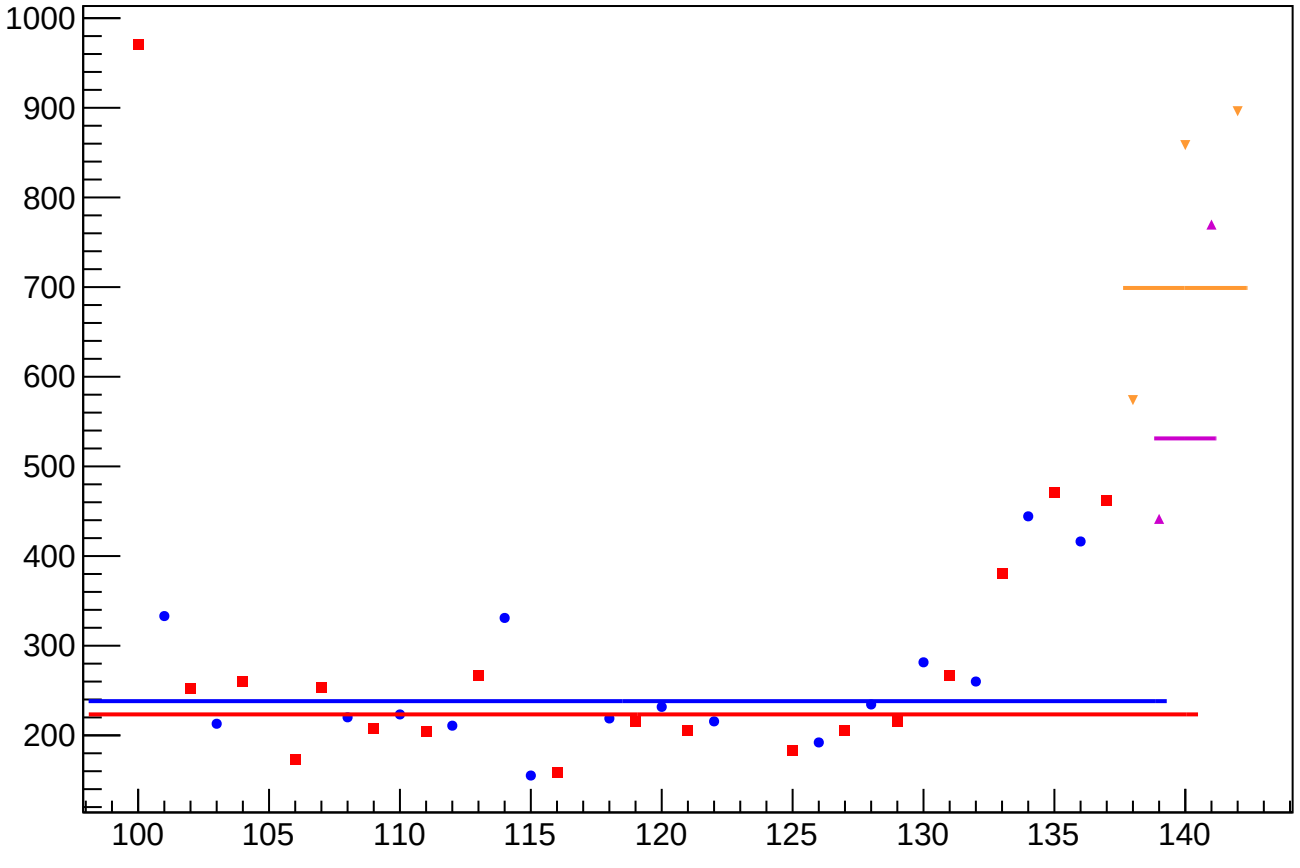
Left: 0.025+/-0.328 χ^2/NDF: 11.0/4

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.028+/-0.064 χ^2/NDF: 50.5/38



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 699.042+/-0.357 χ^2/NDF:169121.0/2

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 531.227+/-0.304 χ^2/NDF:231036.6/1

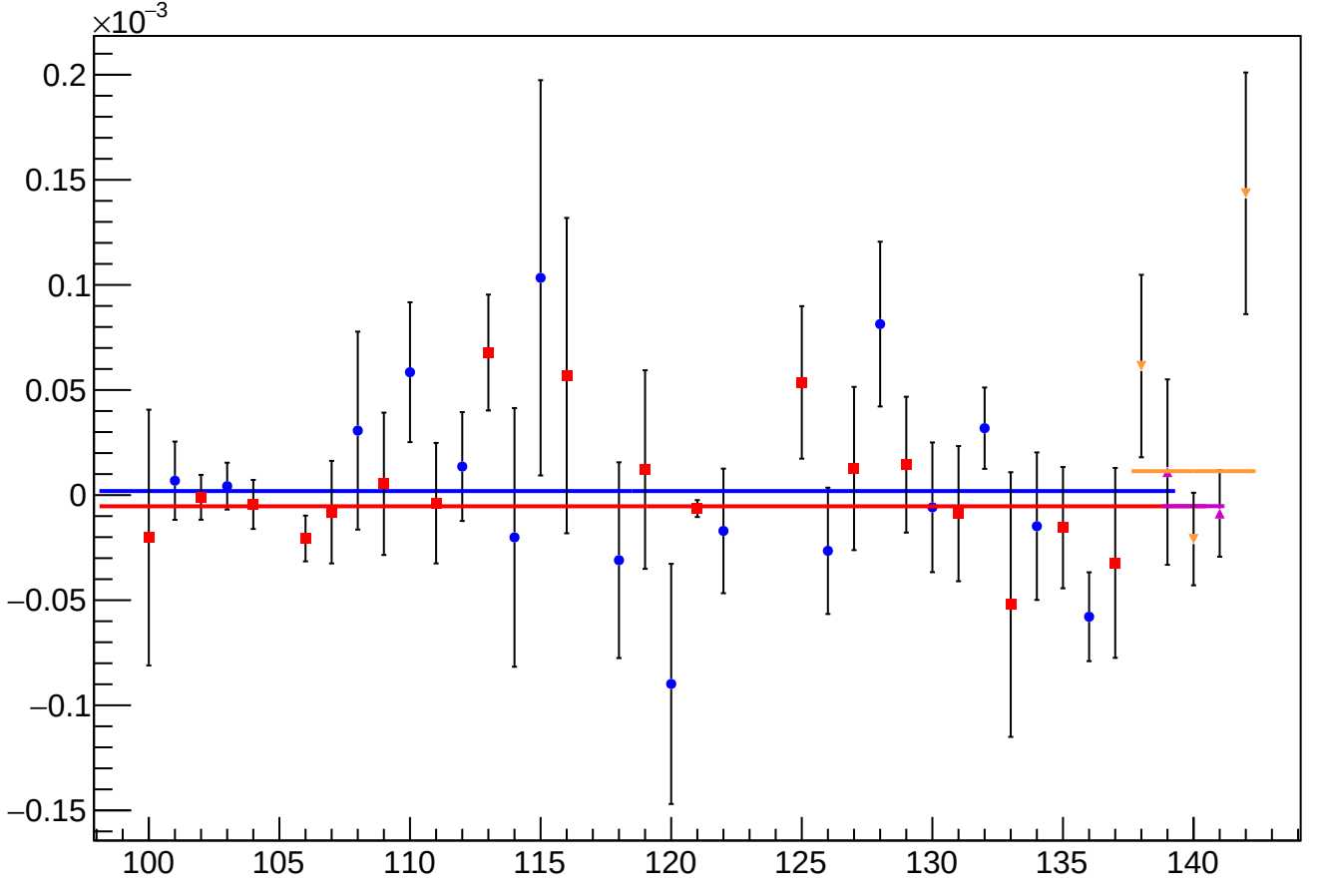
Left: 601.756+/-0.232 χ^2/NDF: 527923.4/4

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 251.451+/-0.065 χ^2/NDF:1923330.5/17

Out: 238.011+/-0.063 χ^2/NDF:2747682.2/20

All: 244.507+/-0.045 χ^2/NDF: 4693234.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/2

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

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

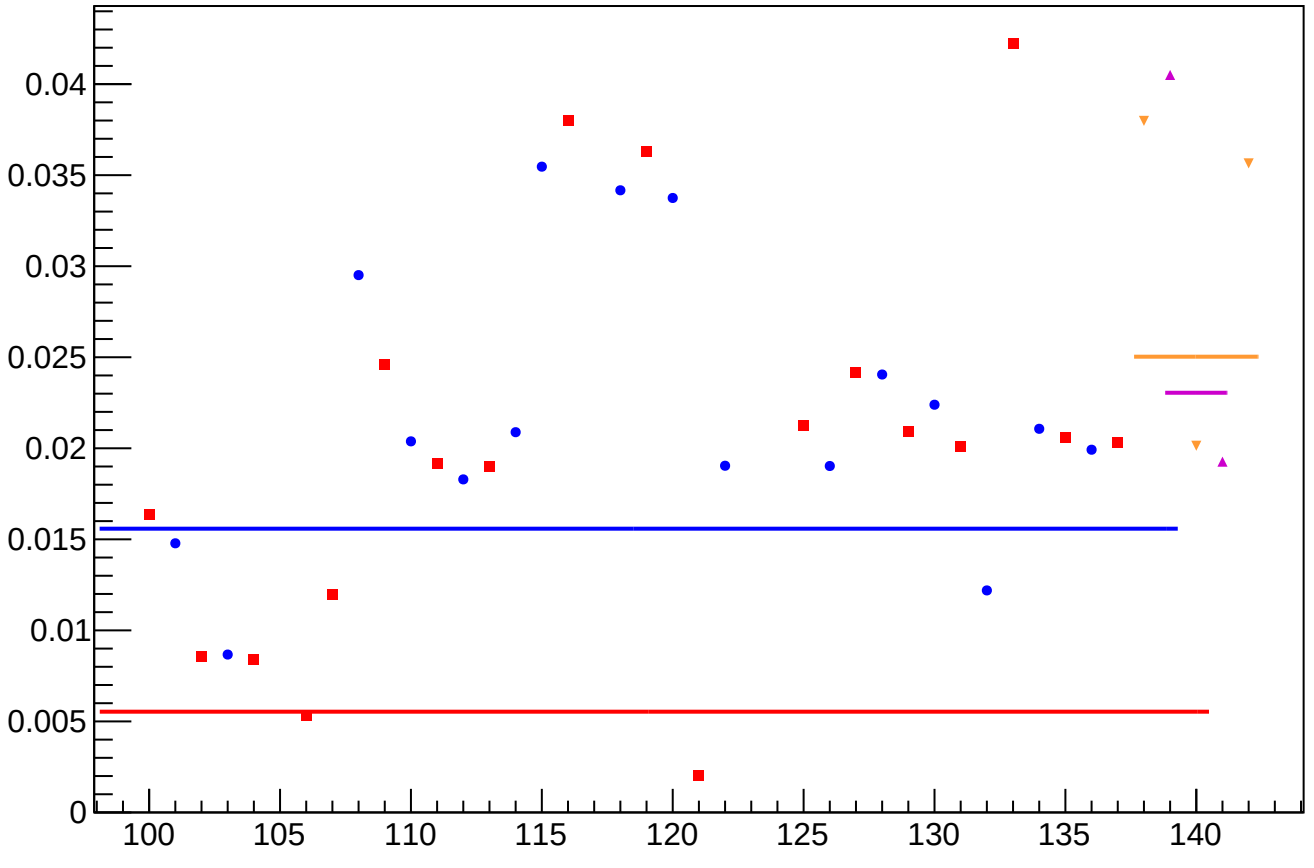
Left: 0.000+/-0.000 χ^2/NDF: 9.3/4

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:24.1/20

All: -0.000+/-0.000 χ^2/NDF: 49.2/38



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.025+/-0.000 χ^2/NDF:344818.1/2

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.023+/-0.000 χ^2/NDF:381019.9/1

Left: 0.024+/-0.000 χ^2/NDF: 737177.7/4

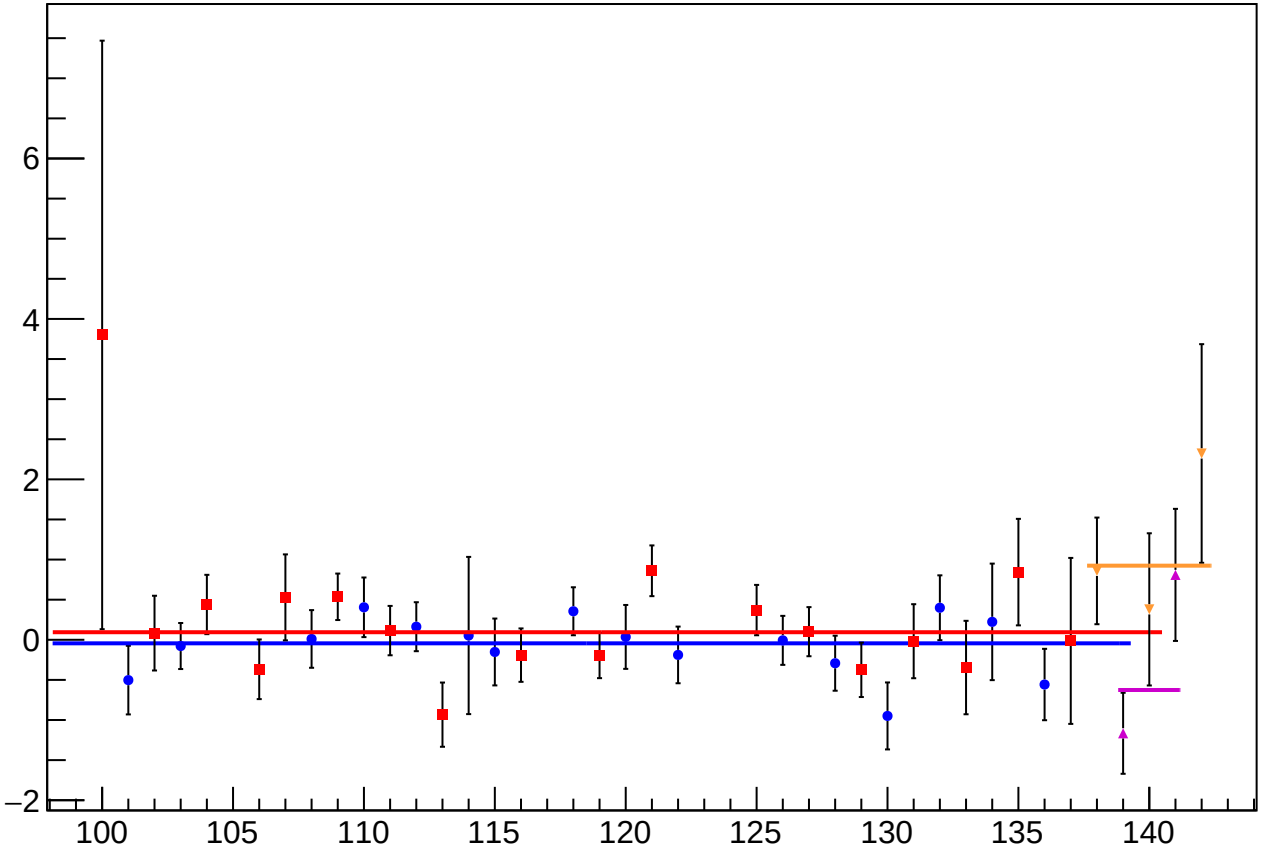
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.016+/-0.000 χ^2/NDF:2743436.2/17

Out: 0.006+/-0.000 χ^2/NDF:10437456.2/20

All: 0.008+/-0.000 χ^2/NDF: 17737181.6/38

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: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

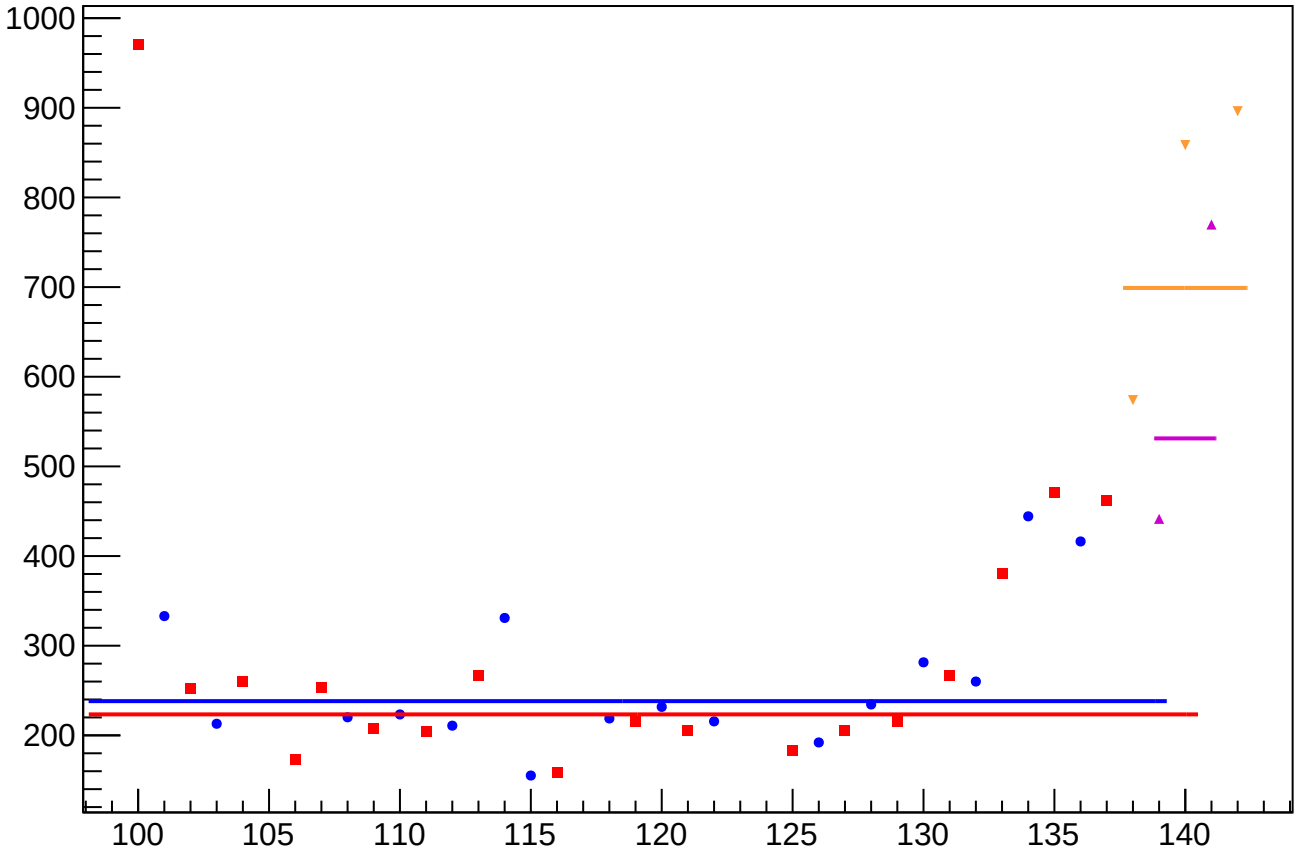
Left: 0.026+/-0.328 χ^2/NDF: 11.0/4

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.028+/-0.064 χ^2/NDF: 50.5/38



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 699.049+/-0.357 χ^2/NDF:169130.8/2

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 531.241+/-0.304 χ^2/NDF:231024.9/1

Left: 601.768+/-0.232 χ^2/NDF: 527906.2/4

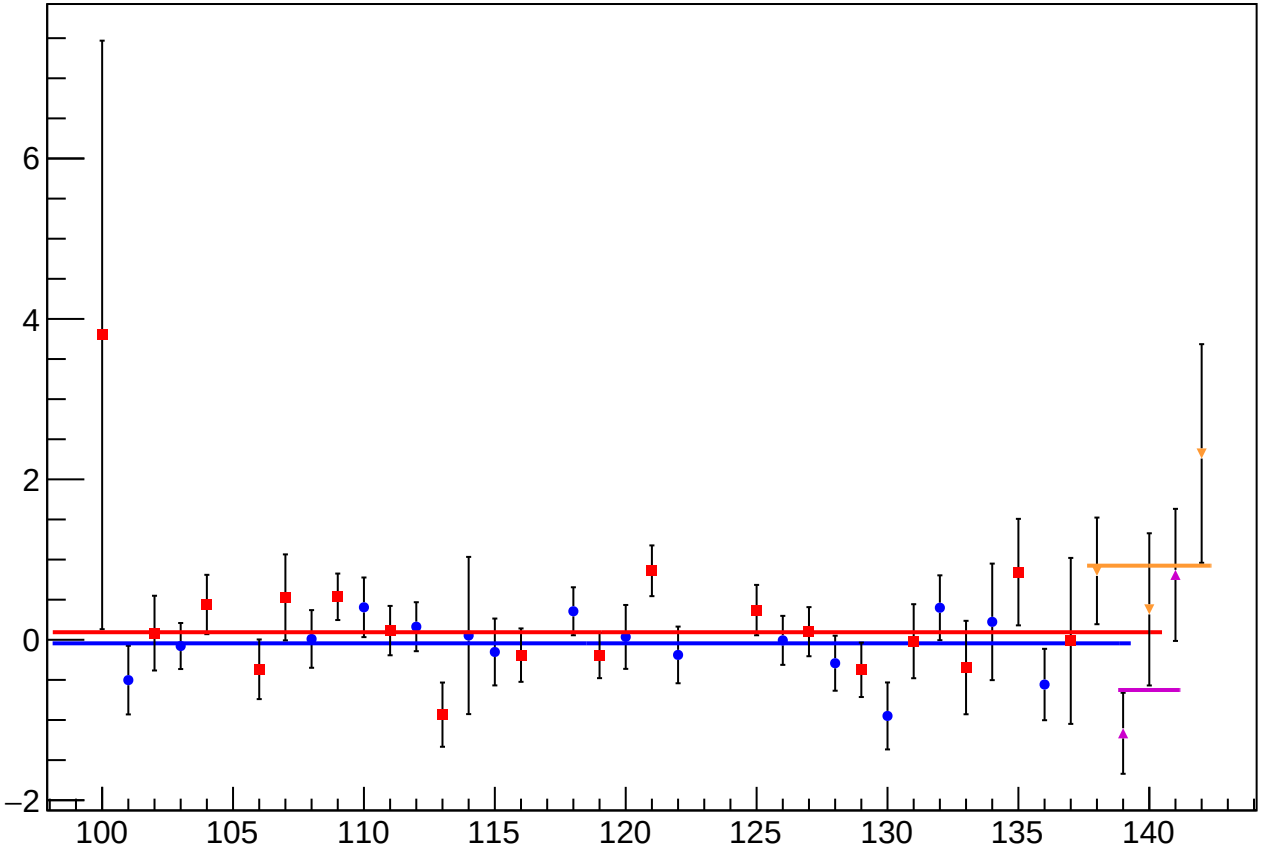
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 251.451+/-0.065 χ^2/NDF:1923322.6/17

Out: 238.013+/-0.063 χ^2/NDF:2747636.7/20

All: 244.508+/-0.045 χ^2/NDF: 4693177.8/38

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: 0.924+/-0.506 χ^2/NDF:1.4/2

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.626+/-0.430 χ^2/NDF:4.2/1

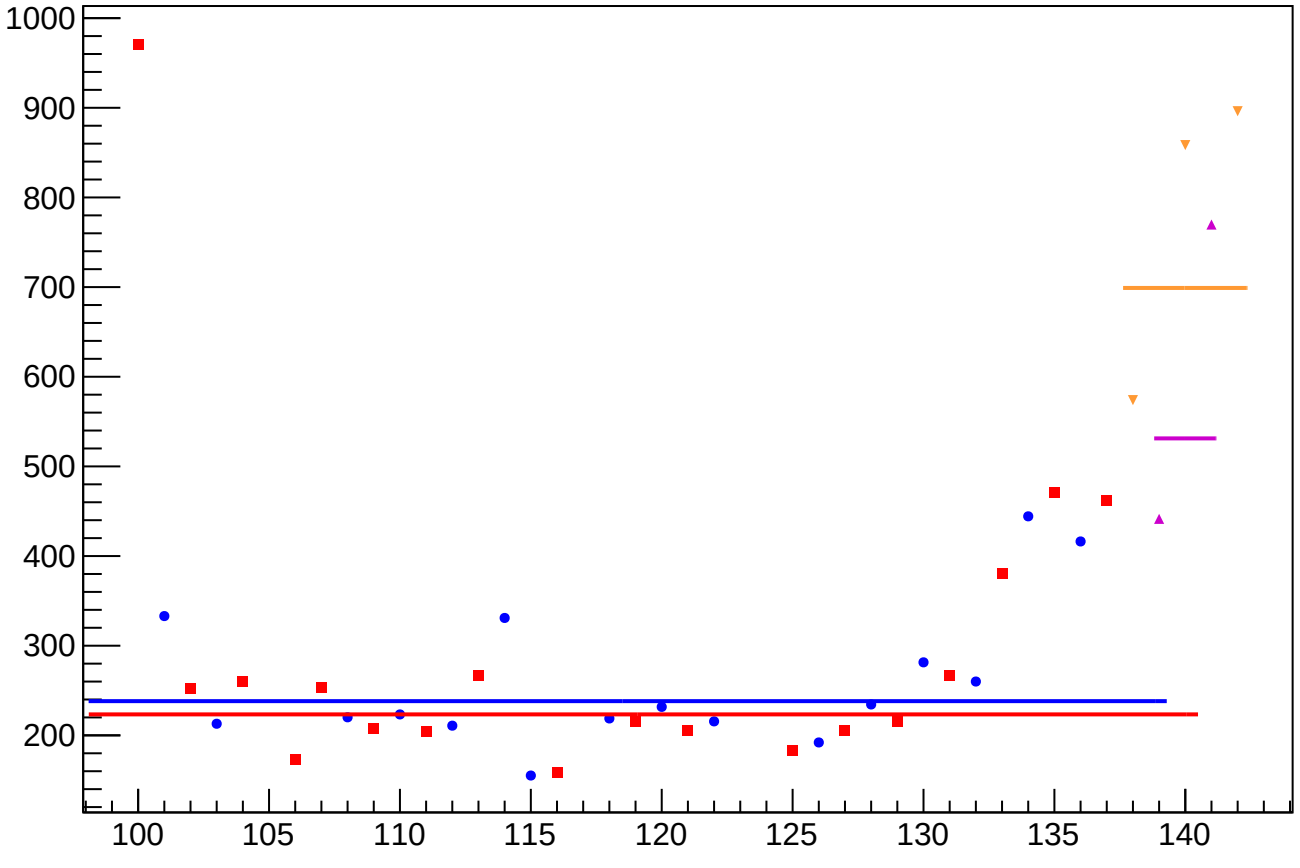
Left: 0.026+/-0.328 χ^2/NDF: 11.0/4

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.070+/-0.092 χ^2/NDF:19.0/17

Out: 0.120+/-0.089 χ^2/NDF:29.3/20

All: 0.028+/-0.064 χ^2/NDF: 50.5/38



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 699.049+/-0.357 χ^2/NDF:169130.8/2

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 531.241+/-0.304 χ^2/NDF:231024.9/1

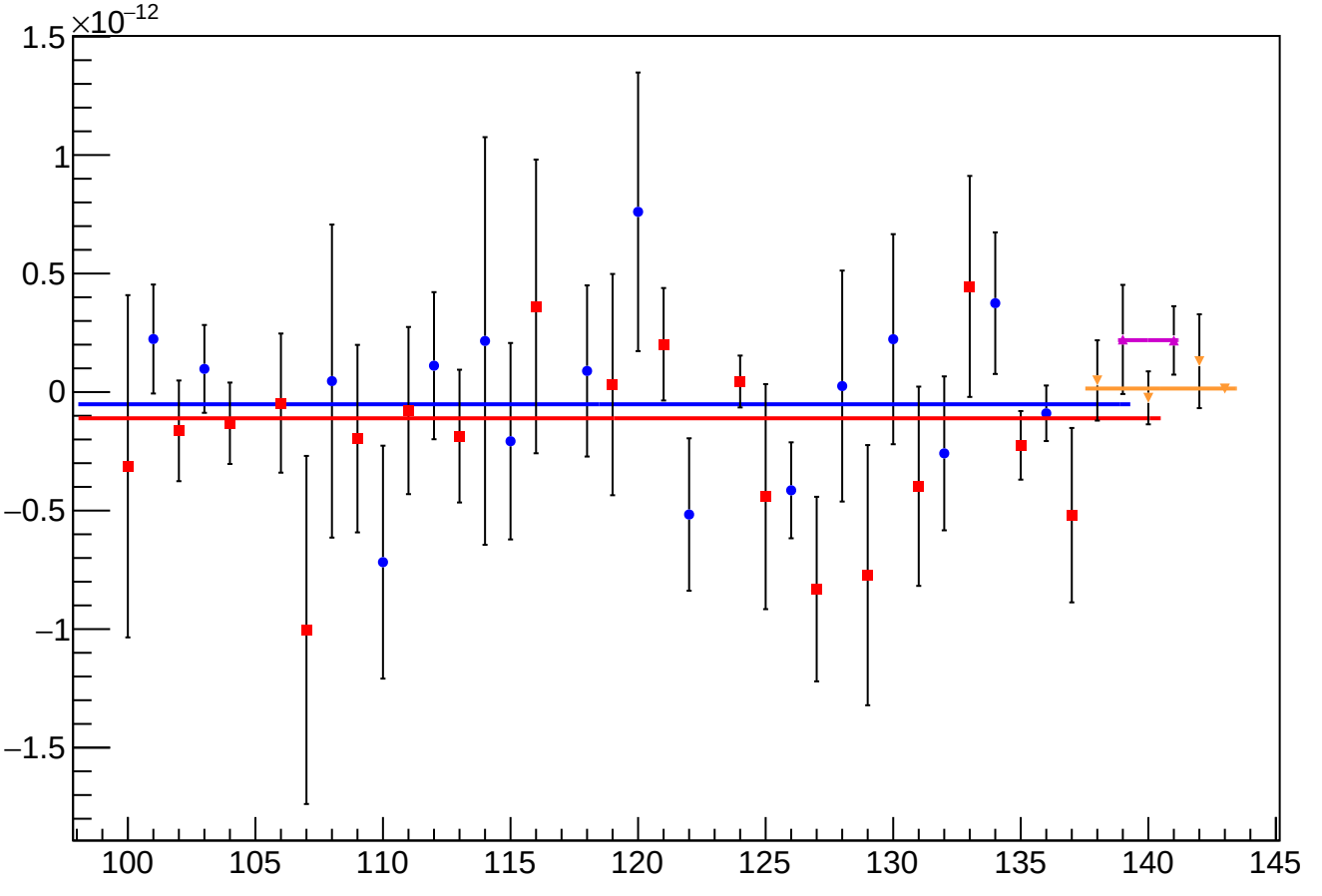
Left: 601.768+/-0.232 χ^2/NDF: 527906.2/4

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 251.451+/-0.065 χ^2/NDF:1923322.6/17

Out: 238.013+/-0.063 χ^2/NDF:2747636.7/20

All: 244.508+/-0.045 χ^2/NDF: 4693177.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

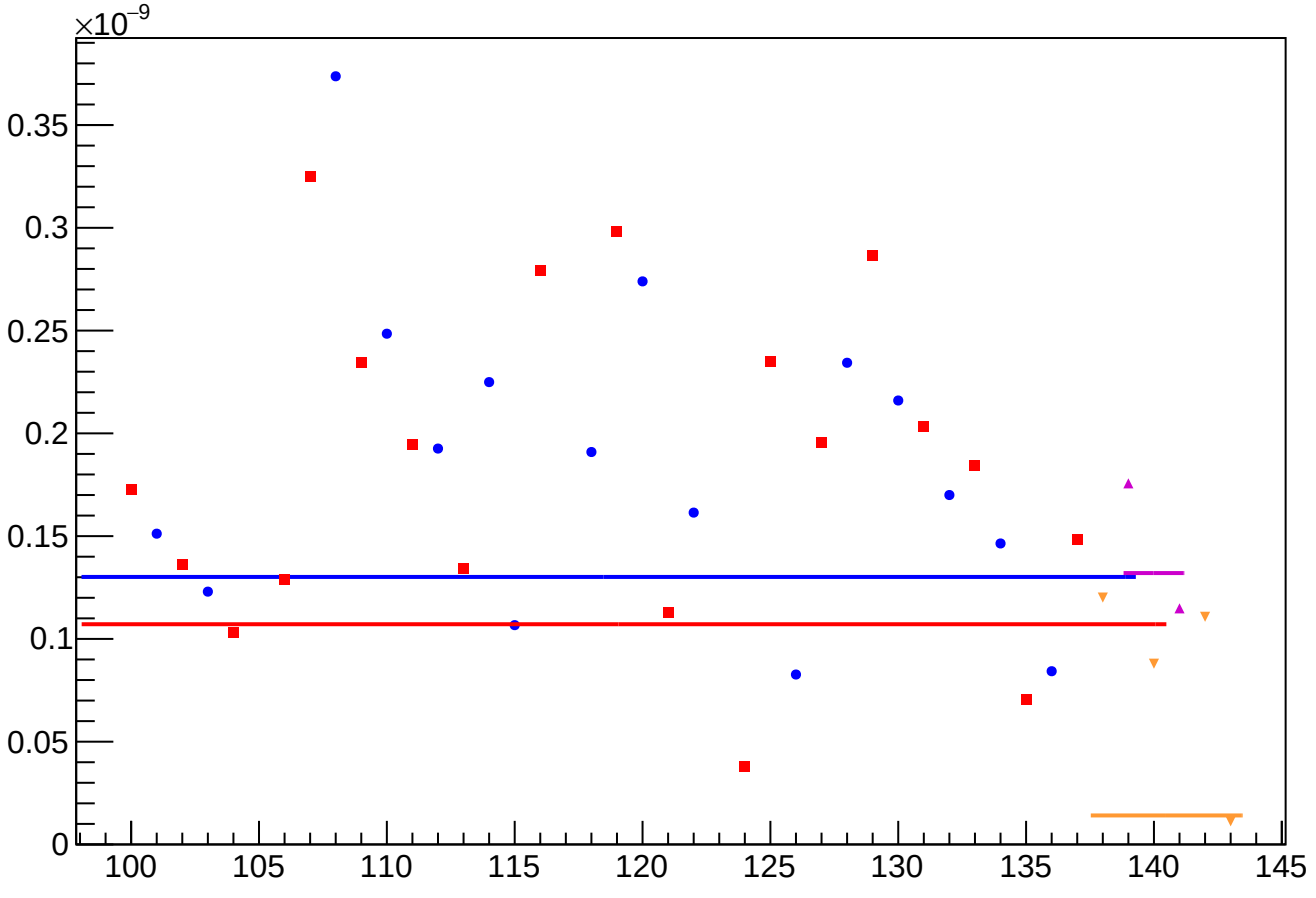
Left: 0.000+/-0.000 χ^2/NDF: 3.2/5

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:20.1/22

All: 0.000+/-0.000 χ^2/NDF: 38.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2202888.1/3

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: 4133680.0/5

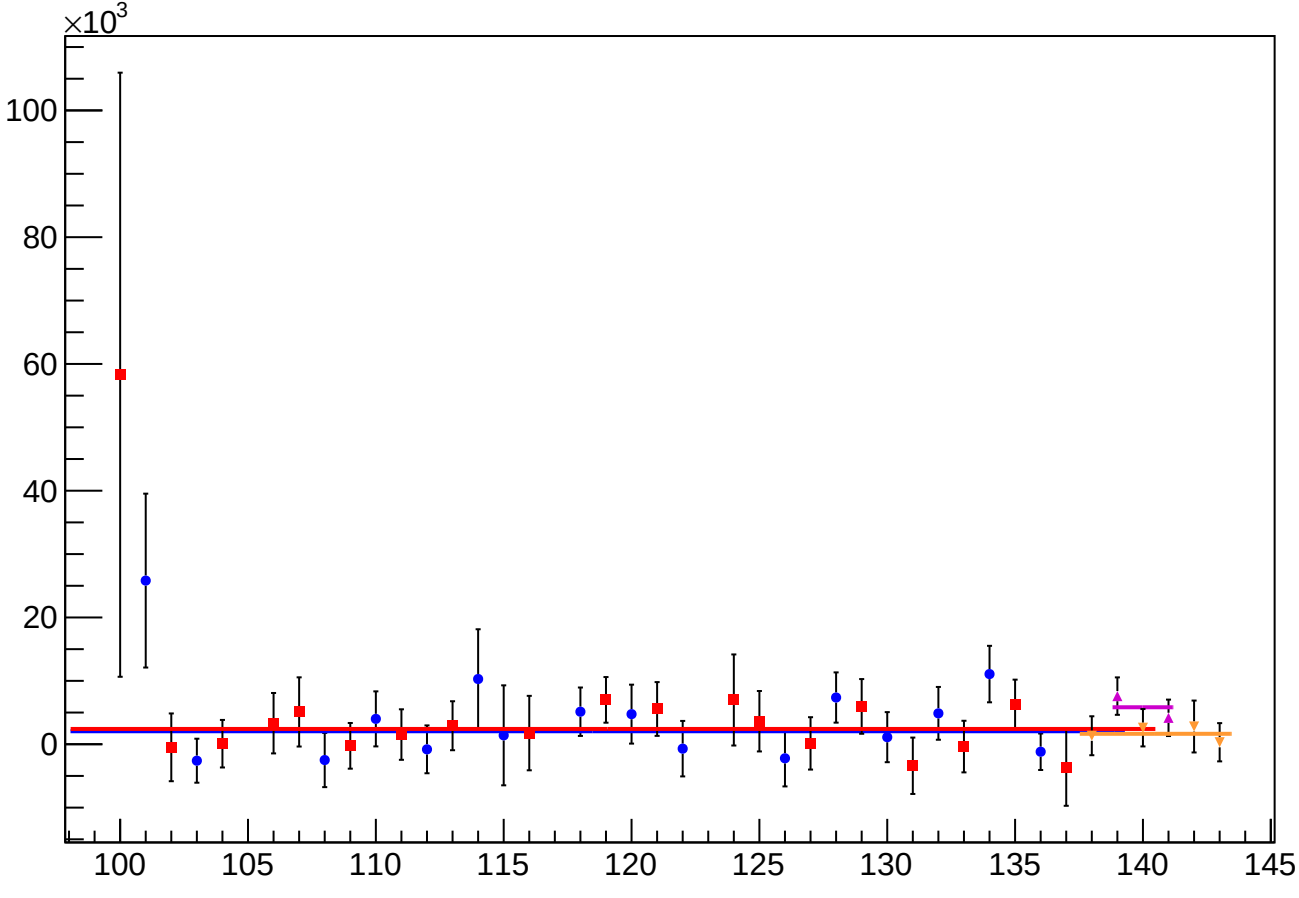
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1434772.6/17

Out: 0.000+/-0.000 χ^2/NDF:9519144.0/22

All: 0.000+/-0.000 χ^2/NDF: 17567125.3/40

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1645.862+/-1600.365 χ^2/NDF:0.4/3

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: 3221.895+/-1263.799 χ^2/NDF: 3.7/5

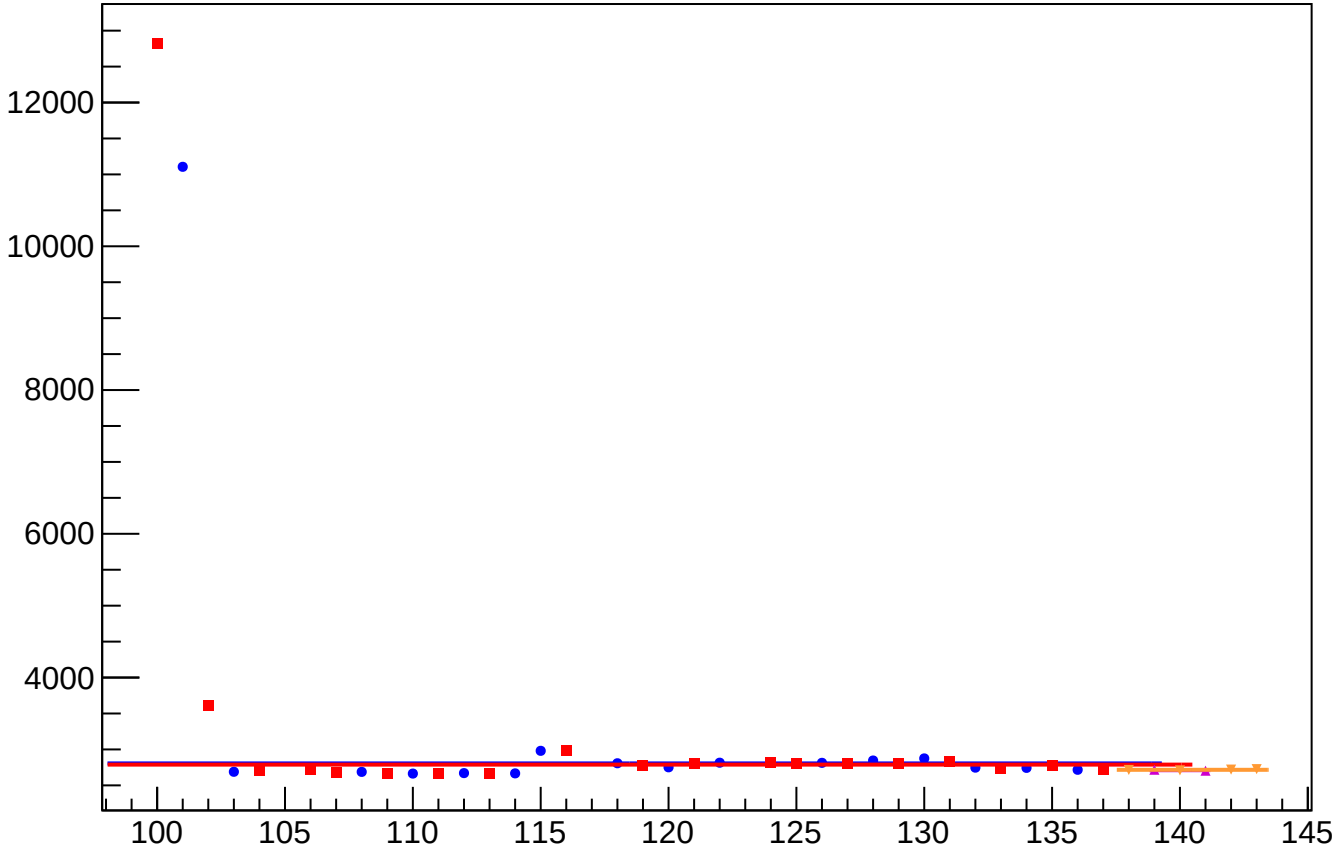
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2853.896+/-949.823 χ^2/NDF:21.1/17

Out: 2185.814+/-869.365 χ^2/NDF:11.3/22

All: 2490.365+/-641.295 χ^2/NDF: 32.7/40

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

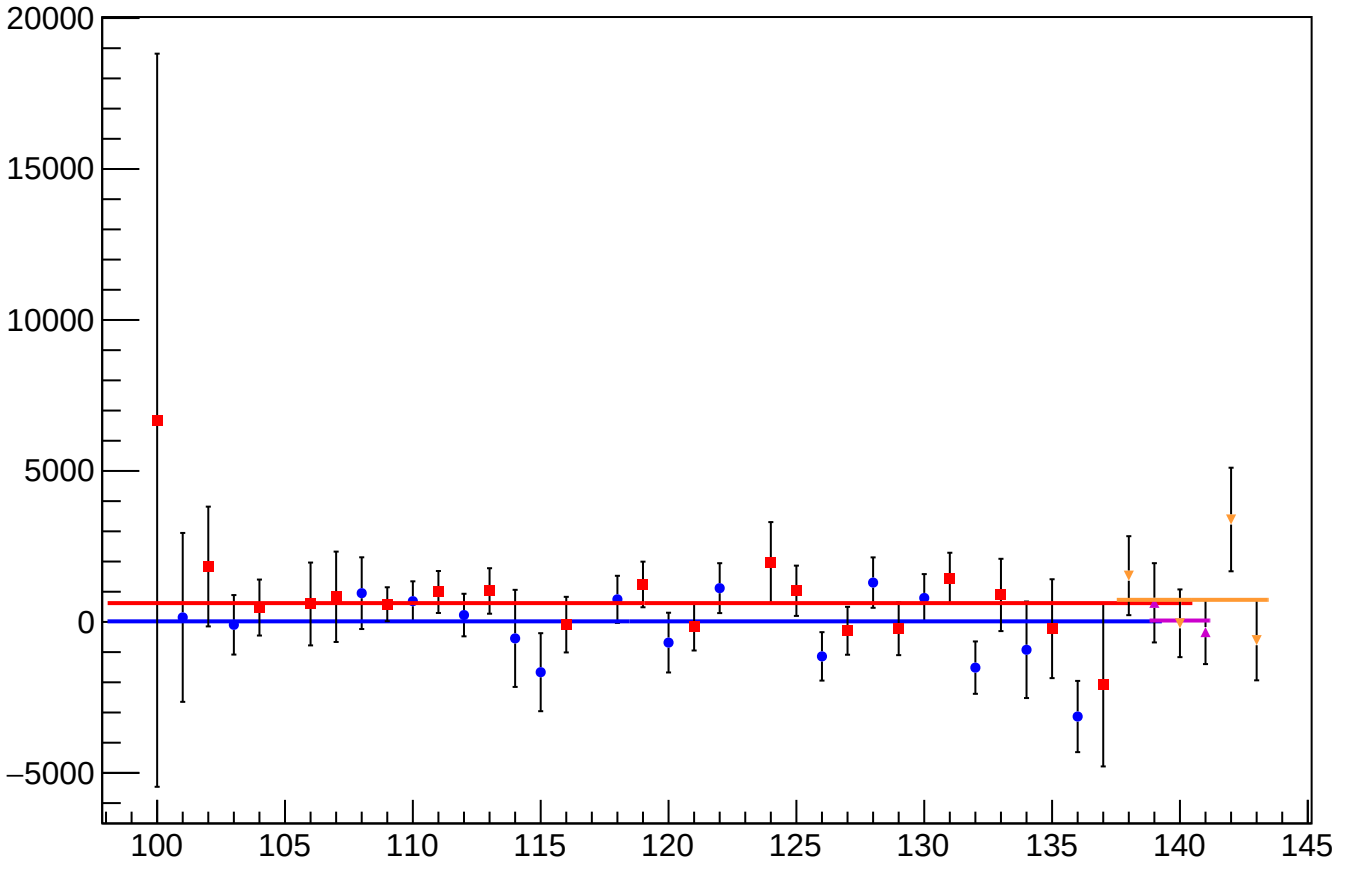
Left: 2714.350+/-0.894 χ^2/NDF: 66.2/5

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2785.335+/-0.672 χ^2/NDF:749582.9/17

Out: 2767.467+/-0.615 χ^2/NDF:149915.8/22

All: 2775.612+/-0.453 χ^2/NDF: 899883.8/40



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 731.498+/-661.607 χ^2/NDF:4.3/3

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 46.234+/-824.664 χ^2/NDF:0.3/1

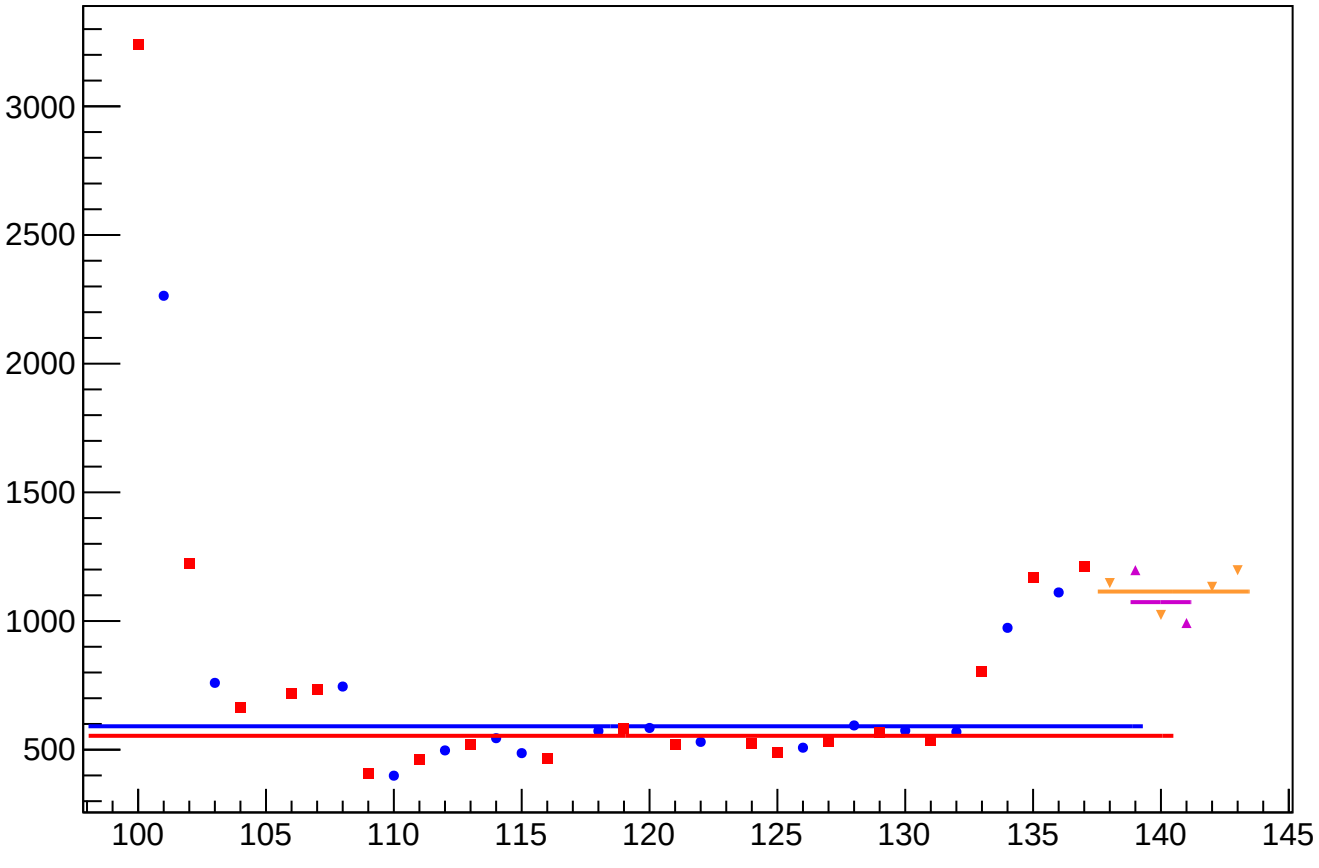
Left: 463.151+/-516.055 χ^2/NDF: 5.0/5

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 21.003+/-224.652 χ^2/NDF:23.1/17

Out: 633.543+/-205.289 χ^2/NDF:13.6/22

All: 354.804+/-151.545 χ^2/NDF: 40.7/40



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1114.530+/-0.468 χ^2/NDF:22390.6/3

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: 1098.435+/-0.365 χ^2/NDF: 55055.5/5

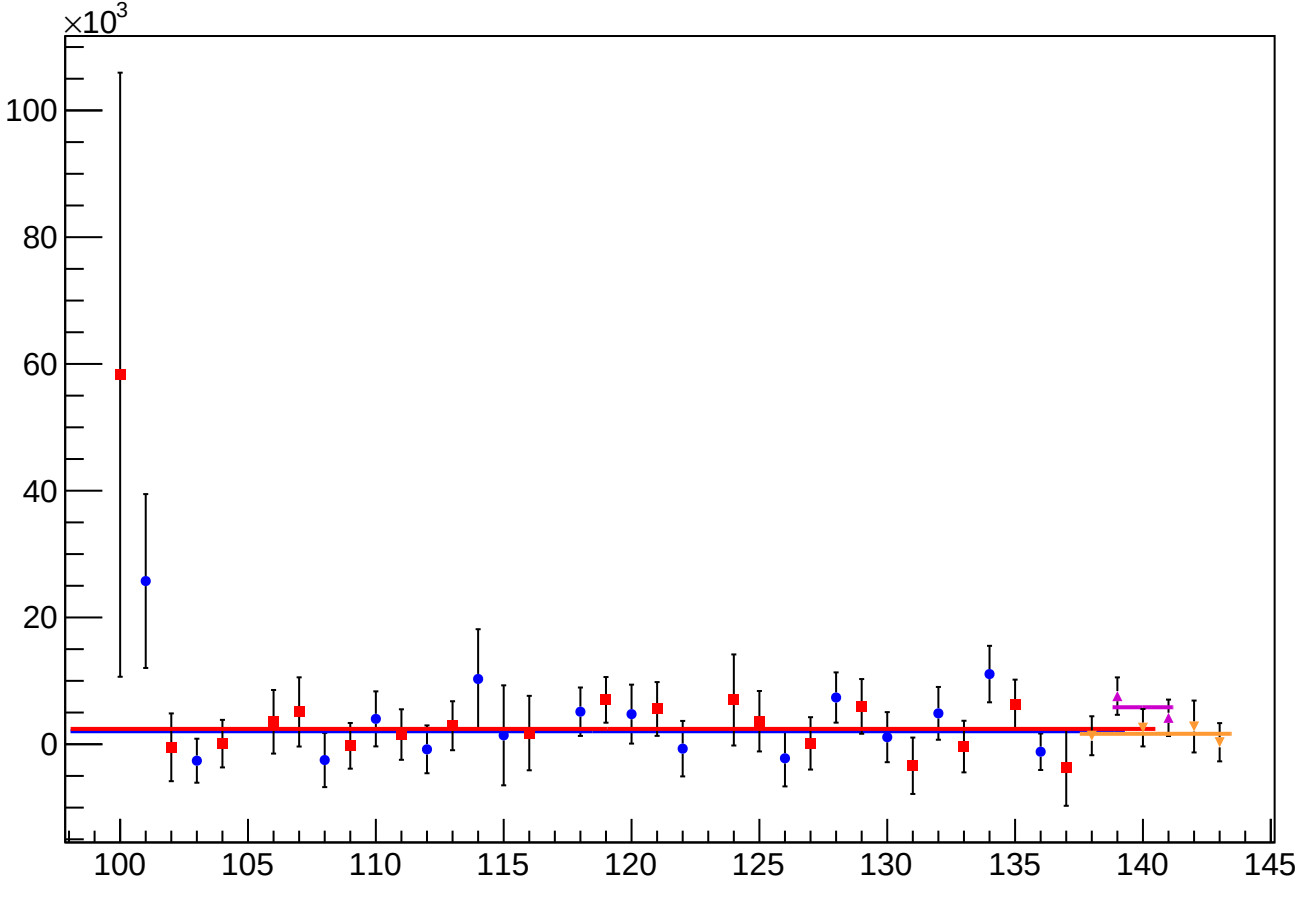
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 626.840+/-0.159 χ^2/NDF:2230857.2/17

Out: 607.951+/-0.145 χ^2/NDF:2436755.1/22

All: 616.546+/-0.107 χ^2/NDF: 4675317.1/40

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1646.103+/-1600.365 χ^2/NDF:0.4/3

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: 3222.226+/-1263.799 χ^2/NDF: 3.7/5

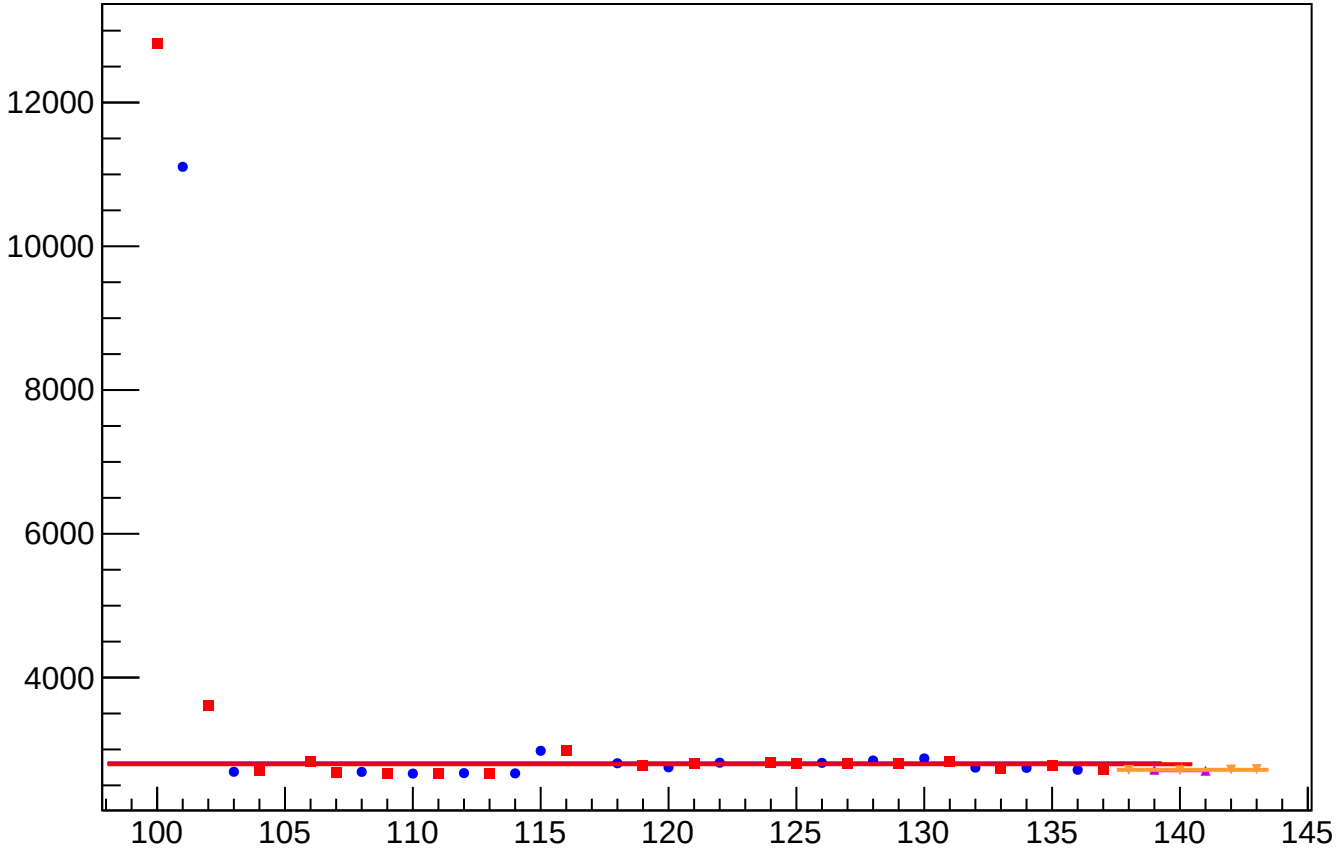
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2853.363+/-949.823 χ^2/NDF:21.1/17

Out: 2189.412+/-870.775 χ^2/NDF:11.3/22

All: 2492.614+/-641.860 χ^2/NDF: 32.7/40

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

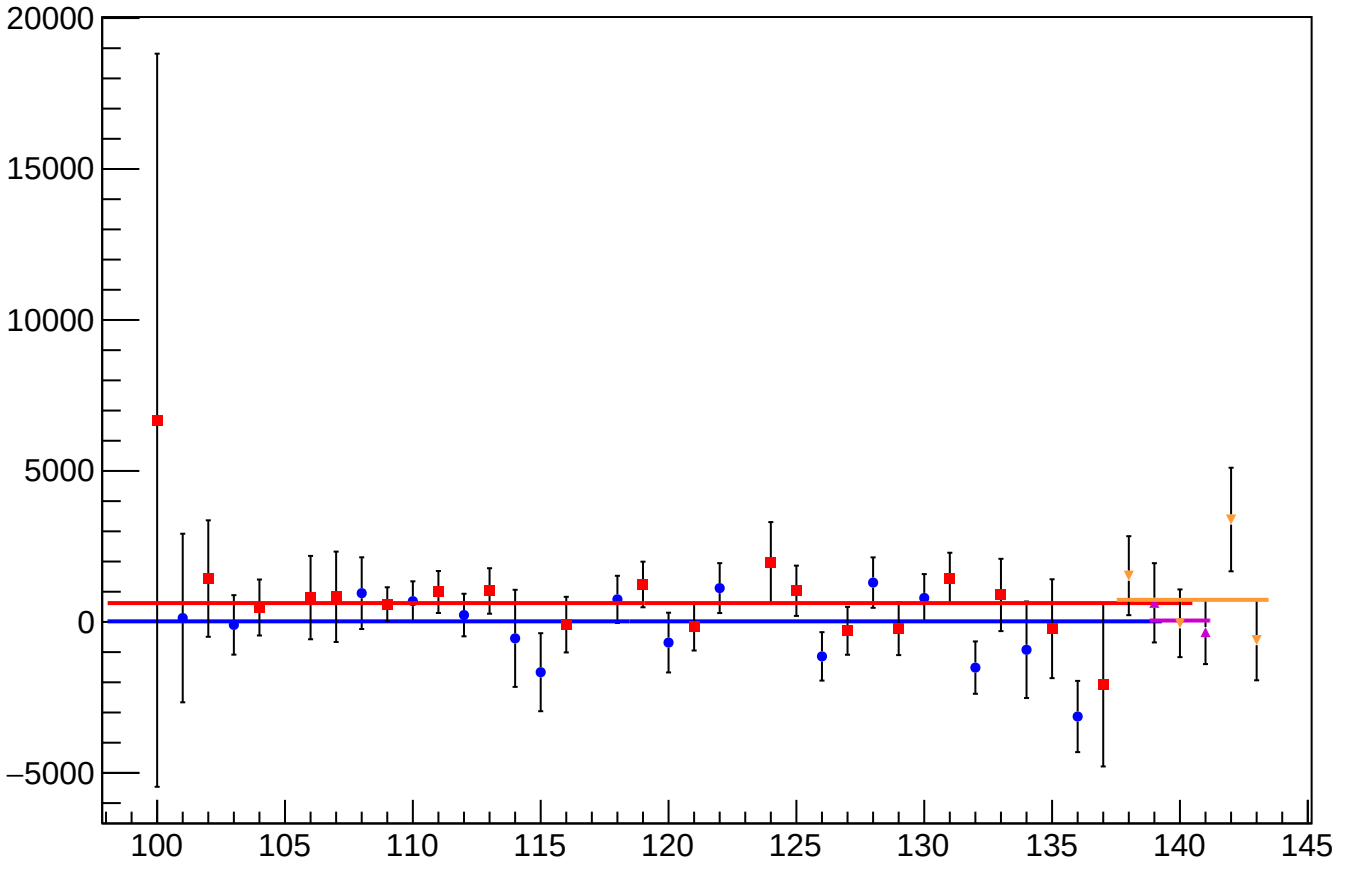
Left: 2714.350+/-0.894 χ^2/NDF: 66.2/5

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2785.335+/-0.672 χ^2/NDF:749582.0/17

Out: 2771.155+/-0.616 χ^2/NDF:150098.1/22

All: 2777.630+/-0.454 χ^2/NDF: 899922.3/40



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 731.622+/-661.605 χ^2/NDF:4.3/3

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 46.191+/-824.659 χ^2/NDF:0.3/1

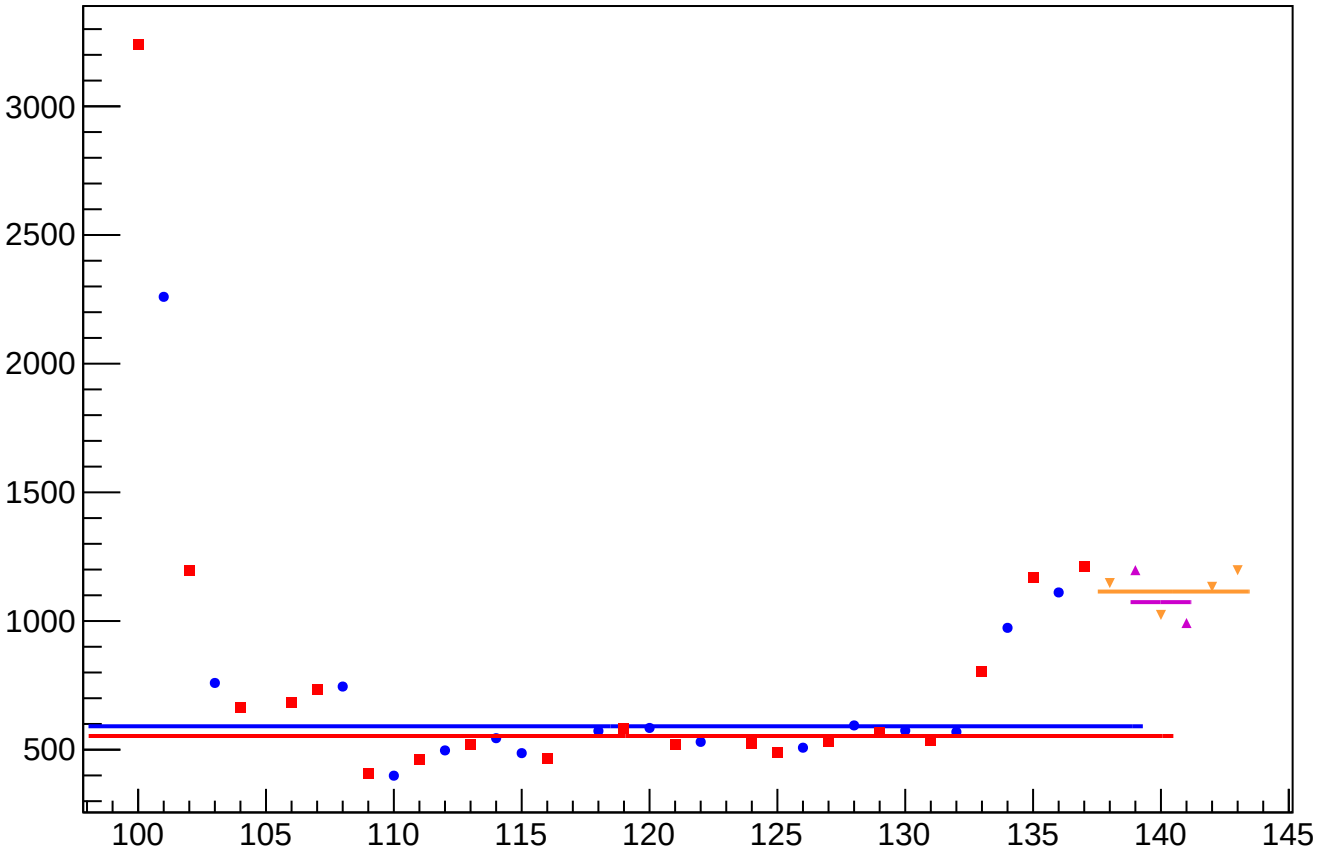
Left: 463.209+/-516.053 χ^2/NDF: 5.0/5

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 20.962+/-224.642 χ^2/NDF:23.1/17

Out: 634.554+/-205.249 χ^2/NDF:13.4/22

All: 355.381+/-151.526 χ^2/NDF: 40.5/40



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1114.525+/-0.468 χ^2/NDF:22389.9/3

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: 1098.428+/-0.365 χ^2/NDF: 55063.4/5

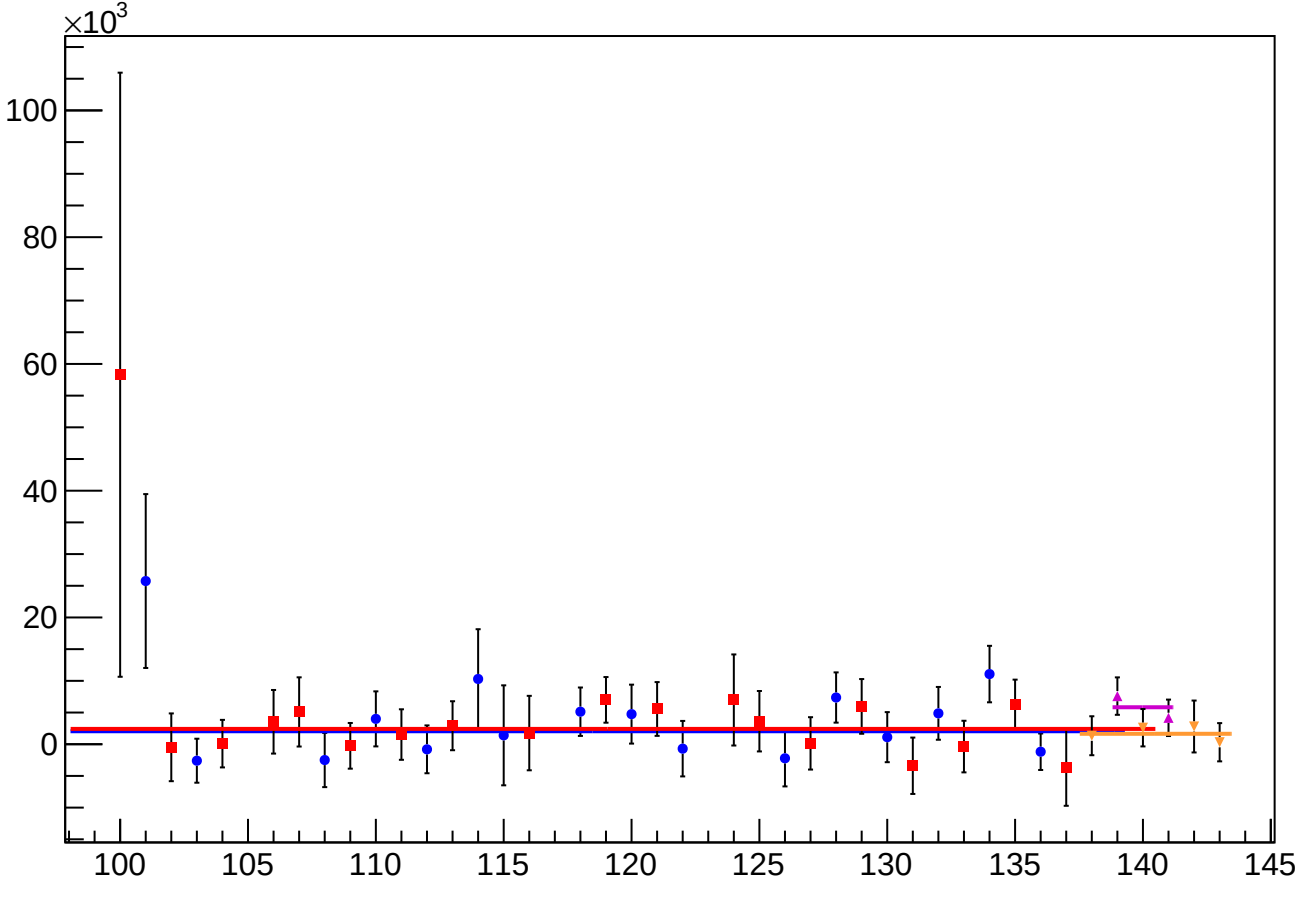
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 626.834+/-0.159 χ^2/NDF:2229825.6/17

Out: 607.253+/-0.145 χ^2/NDF:2424995.0/22

All: 616.162+/-0.107 χ^2/NDF: 4663102.9/40

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1646.103+/-1600.365 χ^2/NDF:0.4/3

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: 3222.226+/-1263.799 χ^2/NDF: 3.7/5

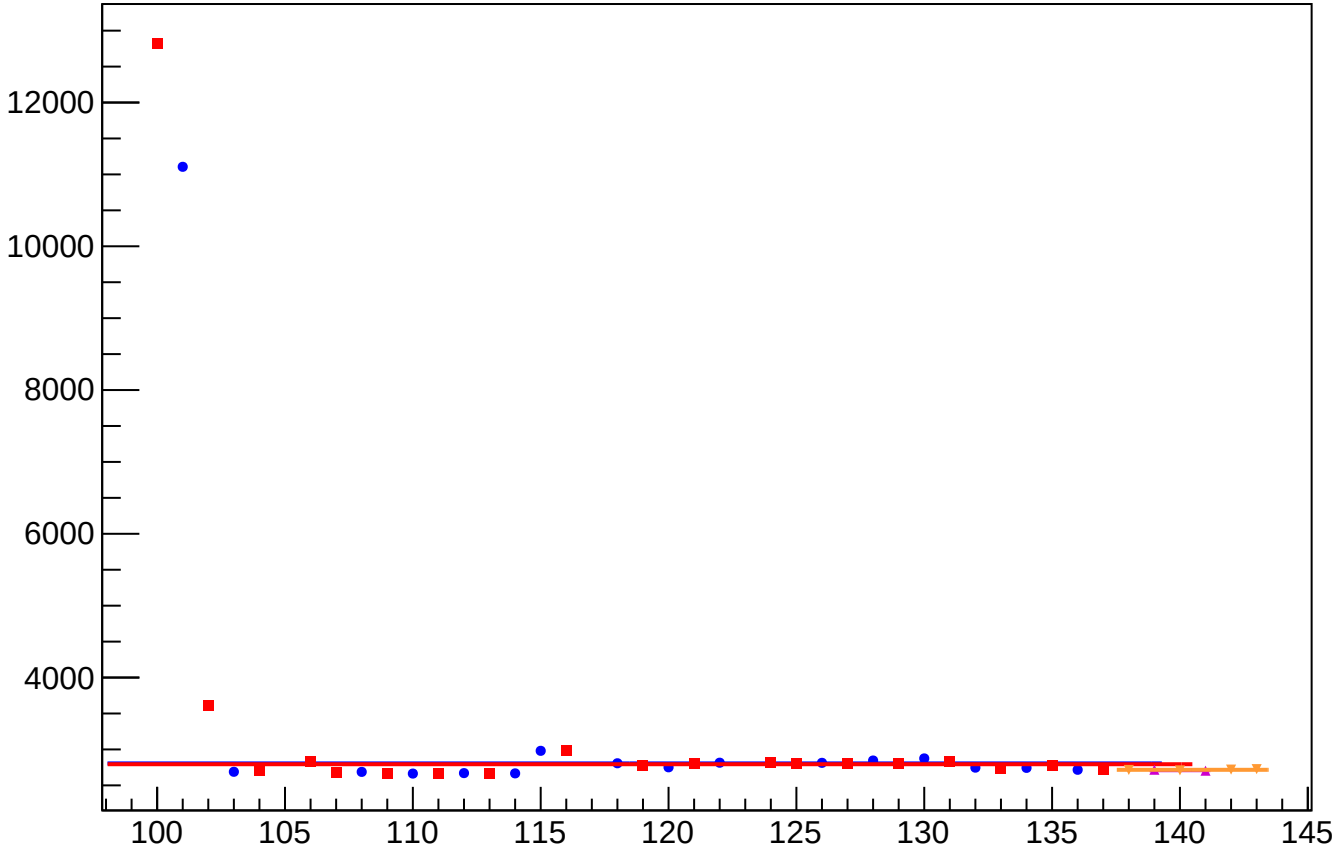
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2853.363+/-949.823 χ^2/NDF:21.1/17

Out: 2189.412+/-870.775 χ^2/NDF:11.3/22

All: 2492.614+/-641.860 χ^2/NDF: 32.7/40

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2716.461+/-1.132 χ^2/NDF:35.3/3

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2710.852+/-1.457 χ^2/NDF:21.6/1

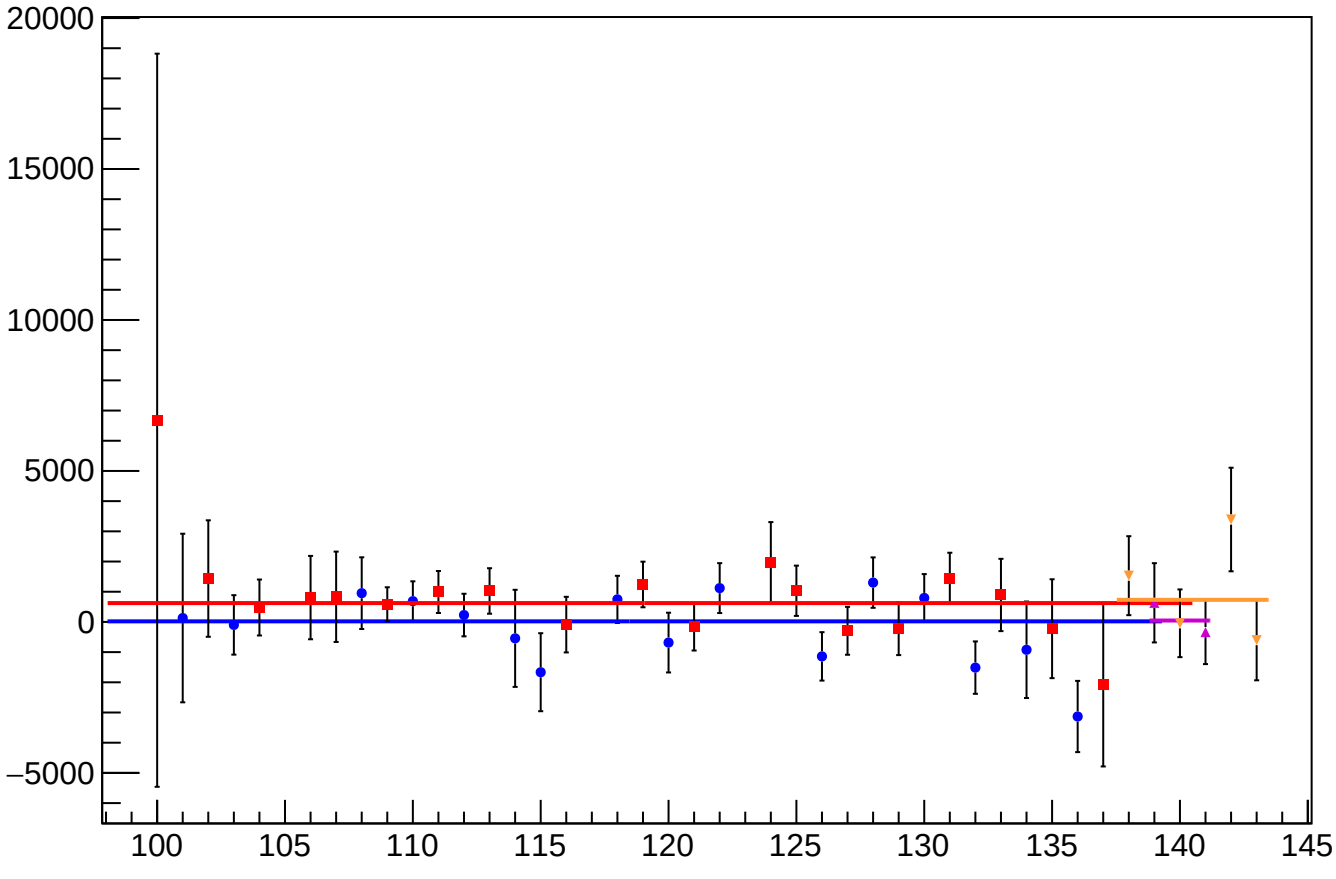
Left: 2714.350+/-0.894 χ^2/NDF: 66.2/5

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2785.335+/-0.672 χ^2/NDF:749582.0/17

Out: 2771.155+/-0.616 χ^2/NDF:150098.1/22

All: 2777.630+/-0.454 χ^2/NDF: 899922.3/40



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 731.622+/-661.605 χ^2/NDF:4.3/3

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 46.191+/-824.659 χ^2/NDF:0.3/1

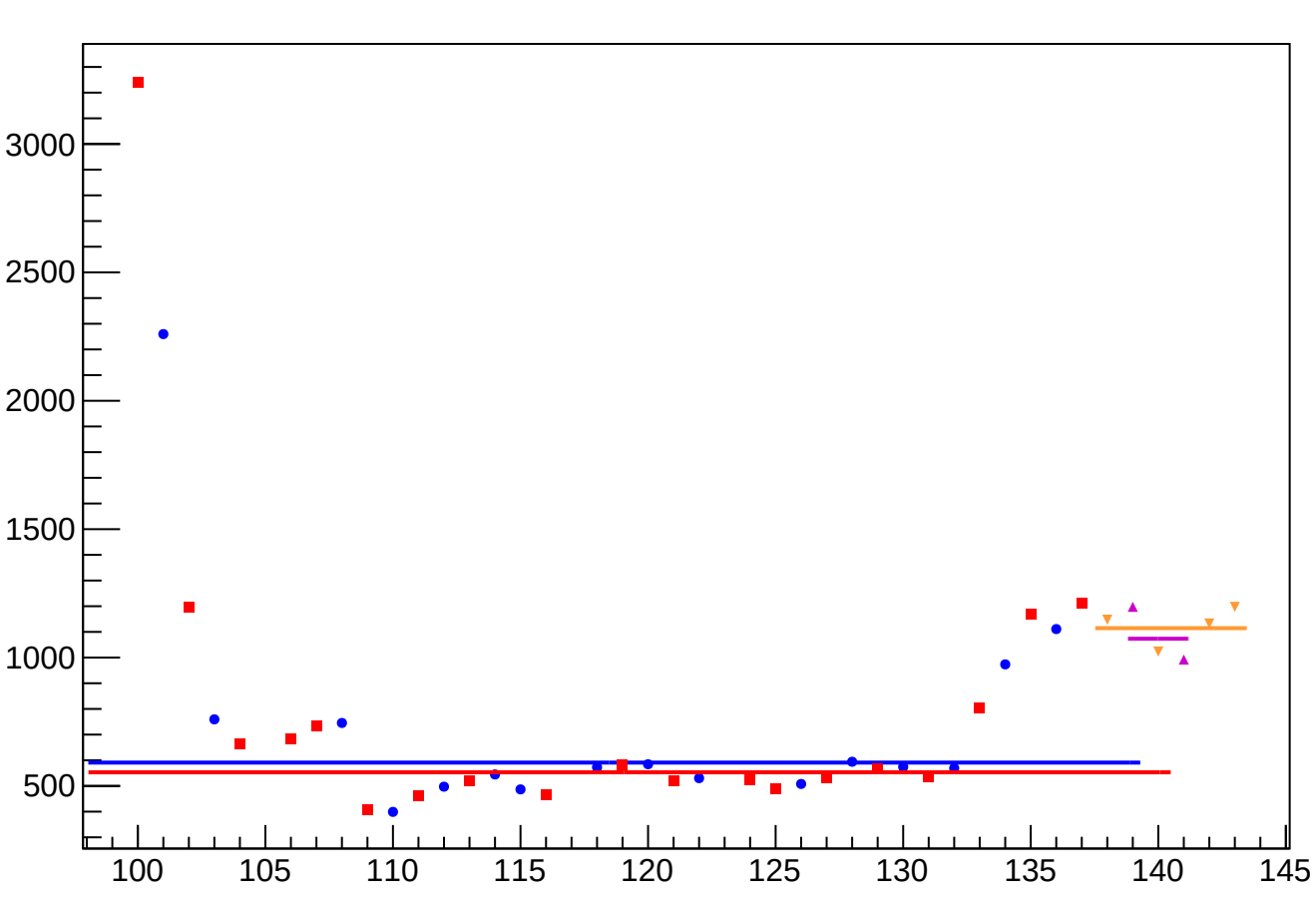
Left: 463.209+/-516.053 χ^2/NDF: 5.0/5

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 20.962+/-224.642 χ^2/NDF:23.1/17

Out: 634.554+/-205.249 χ^2/NDF:13.4/22

All: 355.381+/-151.526 χ^2/NDF: 40.5/40



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1114.525+/-0.468 χ^2/NDF:22389.9/3

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: 1098.428+/-0.365 χ^2/NDF: 55063.4/5

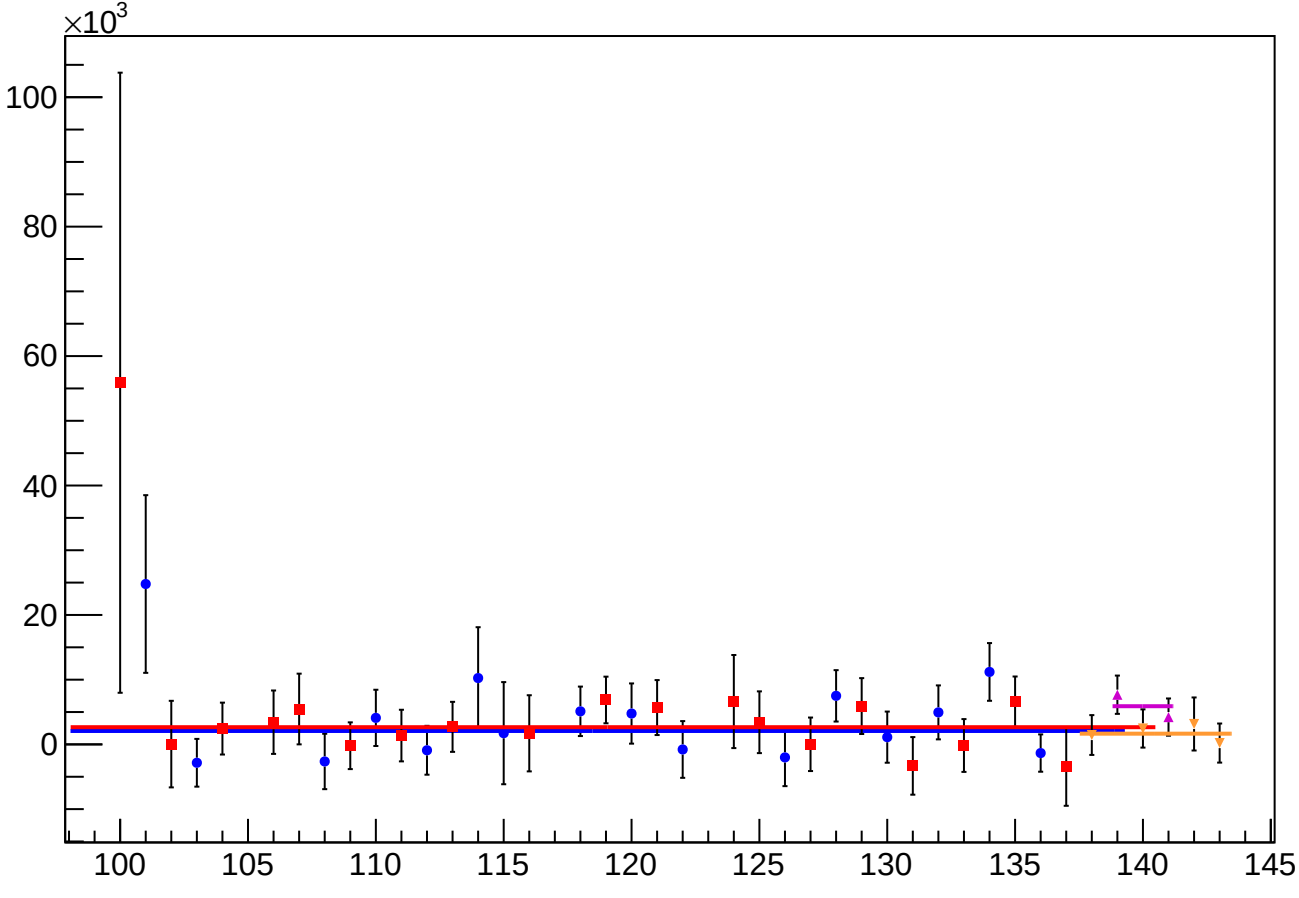
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 626.834+/-0.159 χ^2/NDF:2229825.6/17

Out: 607.253+/-0.145 χ^2/NDF:2424995.0/22

All: 616.162+/-0.107 χ^2/NDF: 4663102.9/40

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1656.452+/-1602.055 χ^2/NDF:0.4/3

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: 3253.479+/-1265.133 χ^2/NDF: 3.8/5

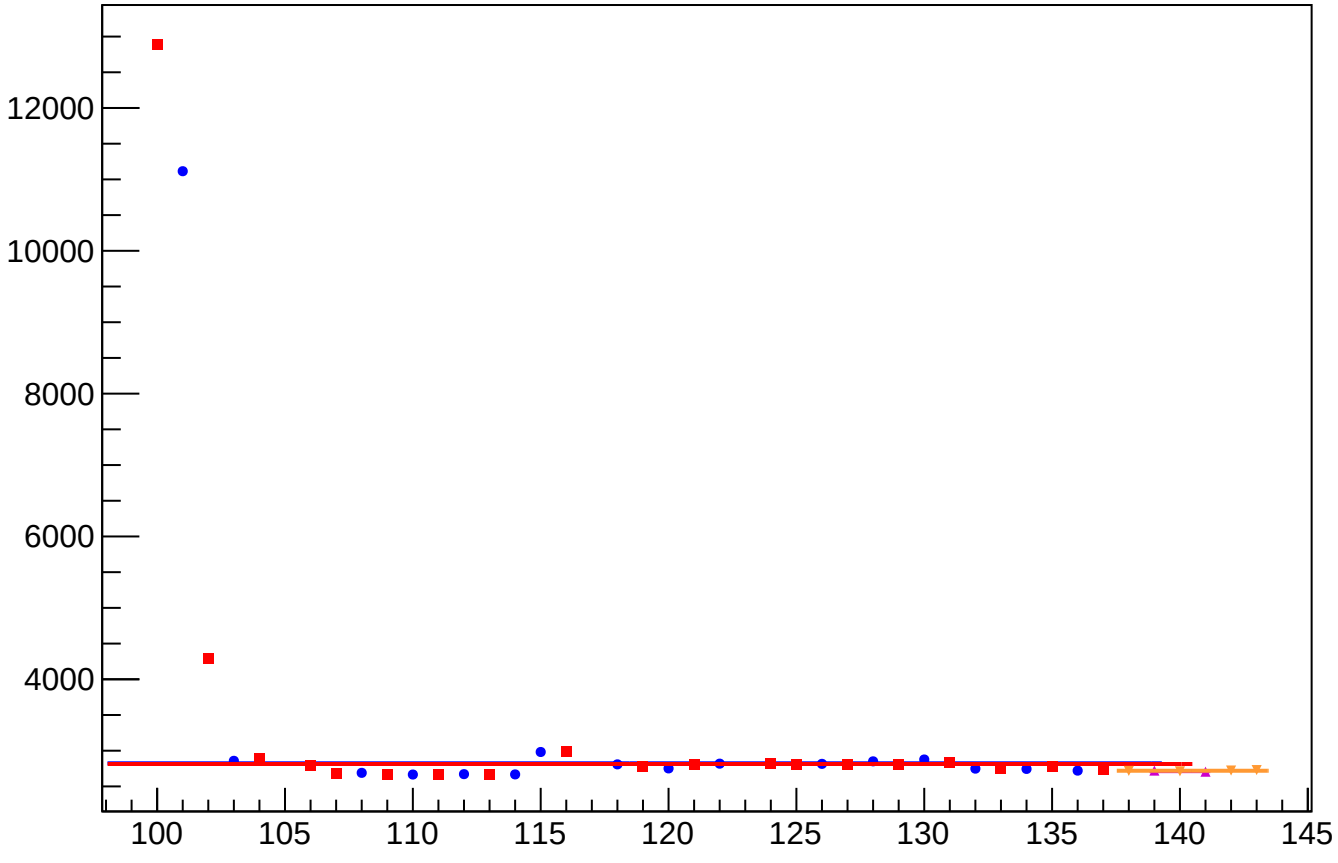
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2894.668+/-954.771 χ^2/NDF:21.3/17

Out: 2356.615+/-878.112 χ^2/NDF:10.6/22

All: 2603.177+/-646.323 χ^2/NDF: 32.1/40

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2719.320+/-1.133 χ^2/NDF:35.7/3

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2713.653+/-1.458 χ^2/NDF:28.0/1

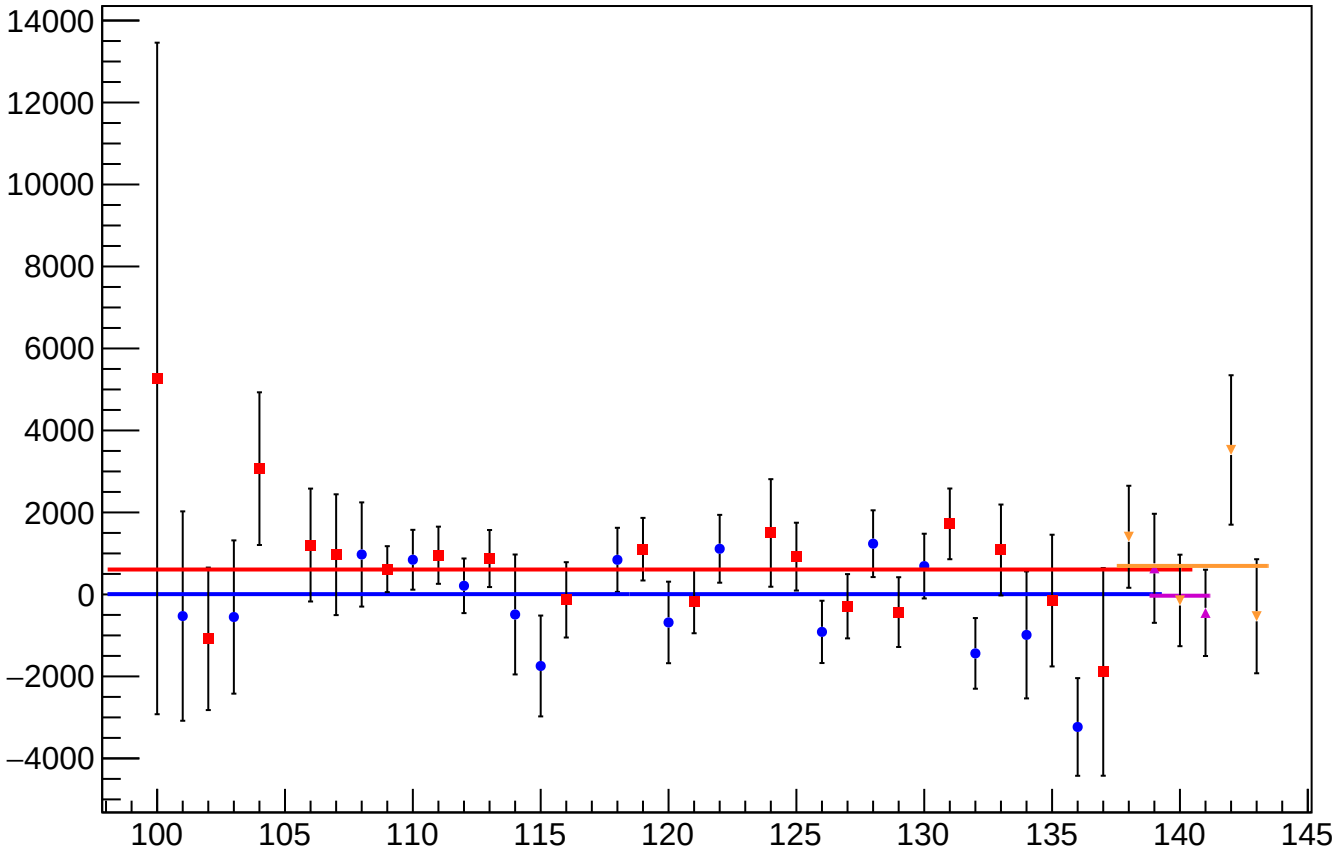
Left: 2717.187+/-0.895 χ^2/NDF: 73.1/5

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2799.912+/-0.675 χ^2/NDF:748398.3/17

Out: 2785.430+/-0.621 χ^2/NDF:205416.0/22

All: 2792.066+/-0.457 χ^2/NDF: 954063.5/40



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 695.443+/-664.247 χ^2/NDF:4.1/3

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: 409.710+/-517.467 χ^2/NDF: 5.0/5

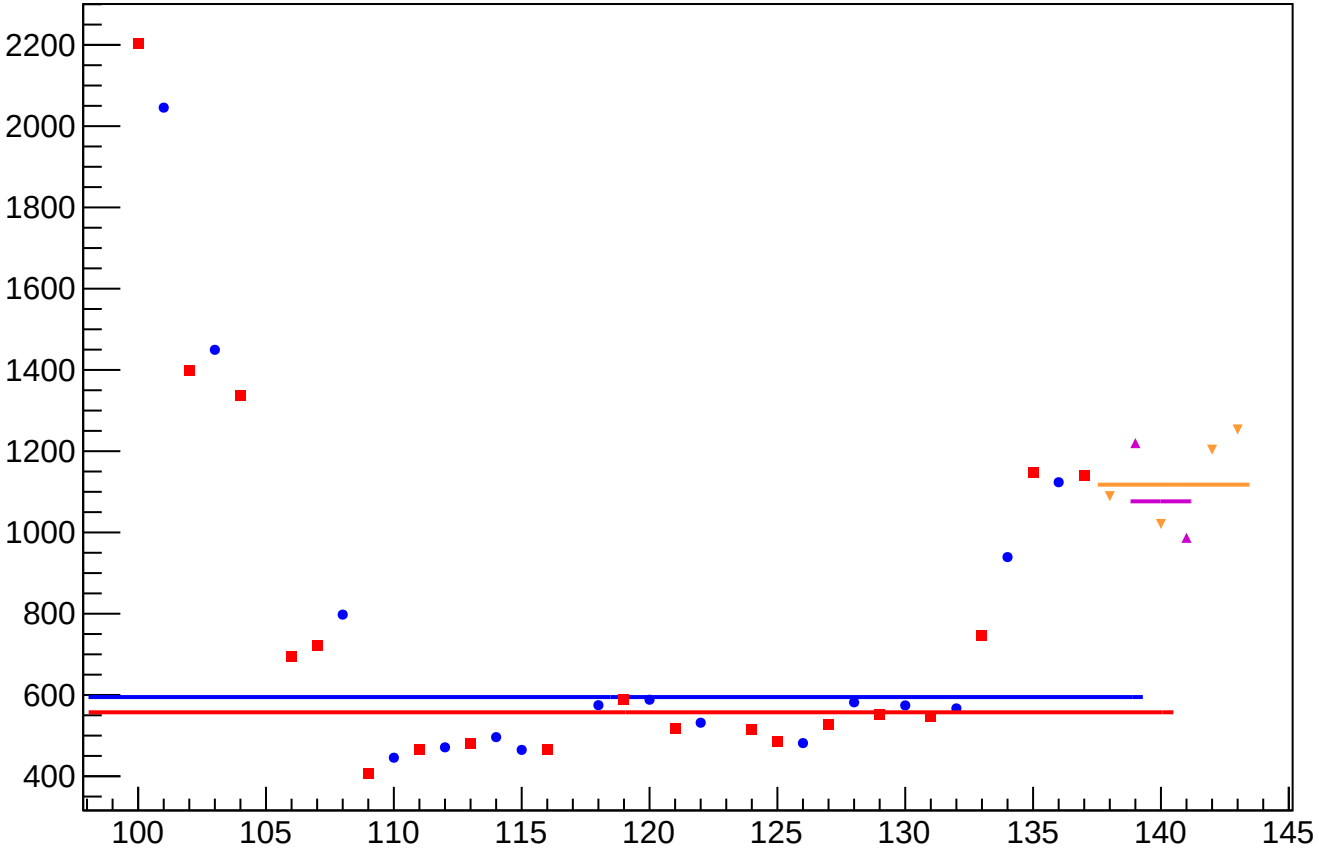
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 4.109+/-228.198 χ^2/NDF:23.2/17

Out: 616.120+/-206.352 χ^2/NDF:16.3/22

All: 340.804+/-153.055 χ^2/NDF: 43.4/40

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 1117.641+/-0.470 χ^2/NDF:39631.9/3

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: 1101.503+/-0.366 χ^2/NDF: 80393.5/5

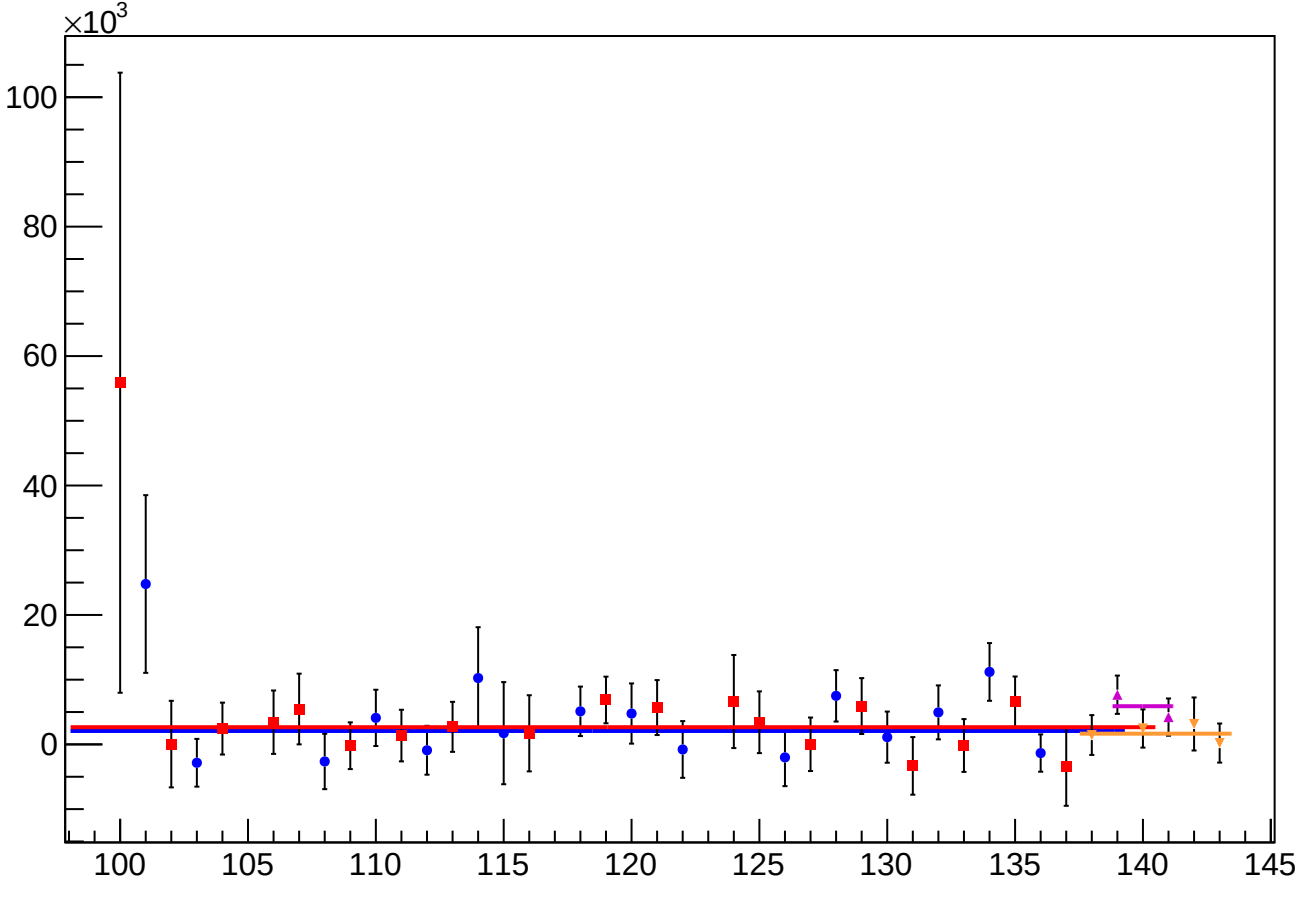
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 631.686+/-0.161 χ^2/NDF:2519709.3/17

Out: 611.464+/-0.146 χ^2/NDF:2956375.7/22

All: 620.561+/-0.108 χ^2/NDF: 5484725.0/40

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1656.453+/-1602.055 χ^2/NDF:0.4/3

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: 3253.478+/-1265.133 χ^2/NDF: 3.8/5

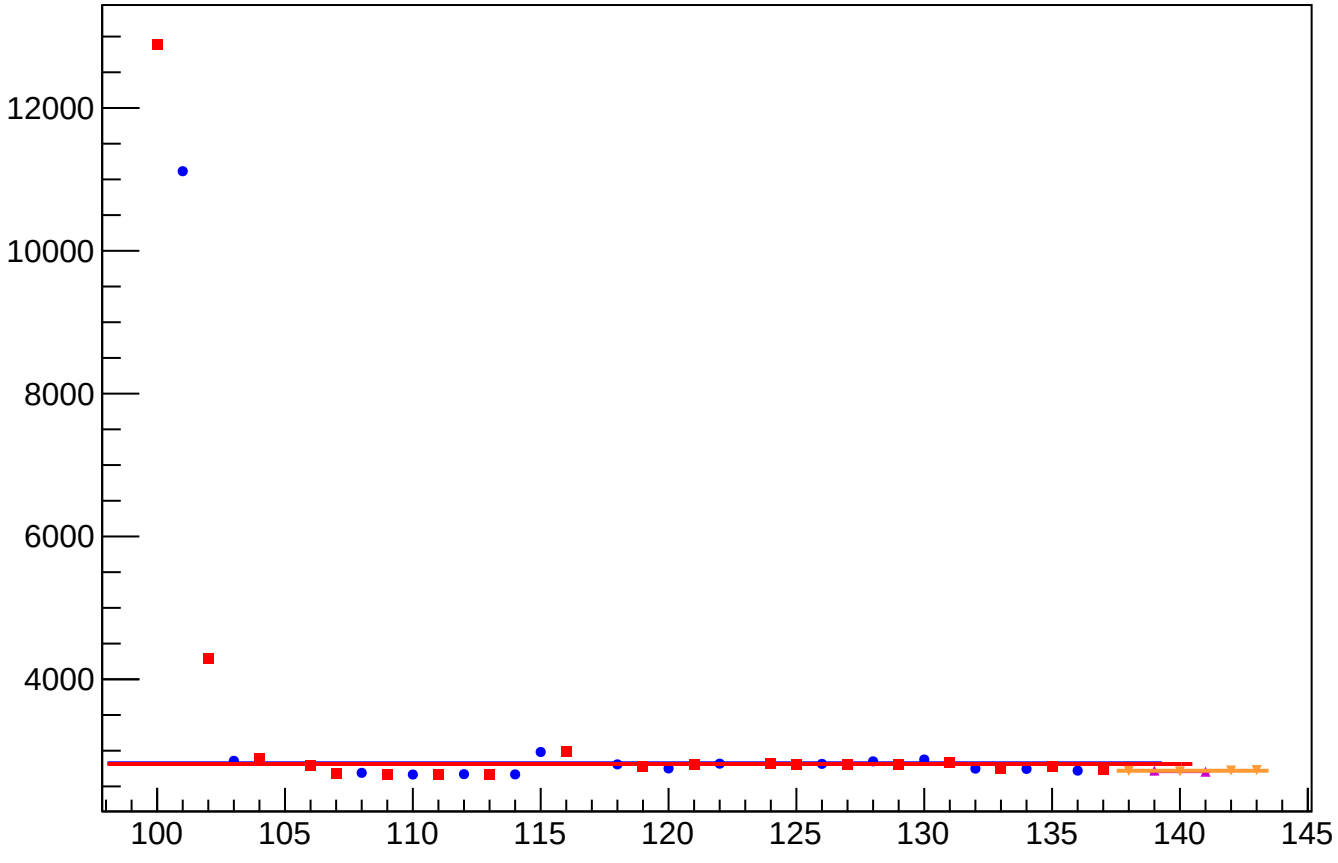
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2894.667+/-954.771 χ^2/NDF:21.3/17

Out: 2356.614+/-878.112 χ^2/NDF:10.6/22

All: 2603.176+/-646.323 χ^2/NDF: 32.1/40

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2719.320+/-1.133 χ^2/NDF:35.7/3

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2713.653+/-1.458 χ^2/NDF:28.0/1

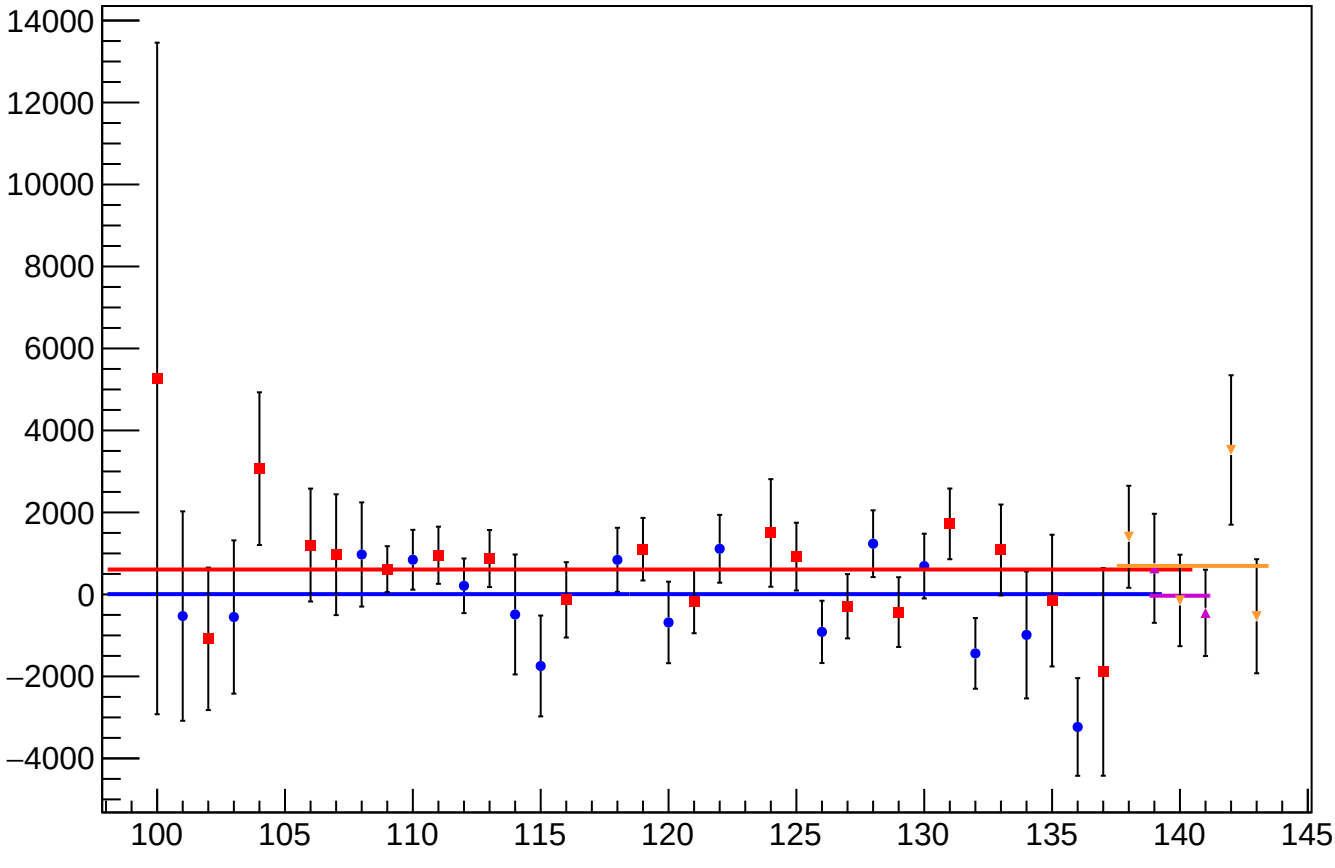
Left: 2717.187+/-0.895 χ^2/NDF: 73.1/5

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2799.912+/-0.675 χ^2/NDF:748398.3/17

Out: 2785.430+/-0.621 χ^2/NDF:205415.7/22

All: 2792.066+/-0.457 χ^2/NDF: 954063.3/40



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 695.444+/-664.248 χ^2/NDF:4.1/3

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: -31.401+/-825.320 χ^2/NDF:0.4/1

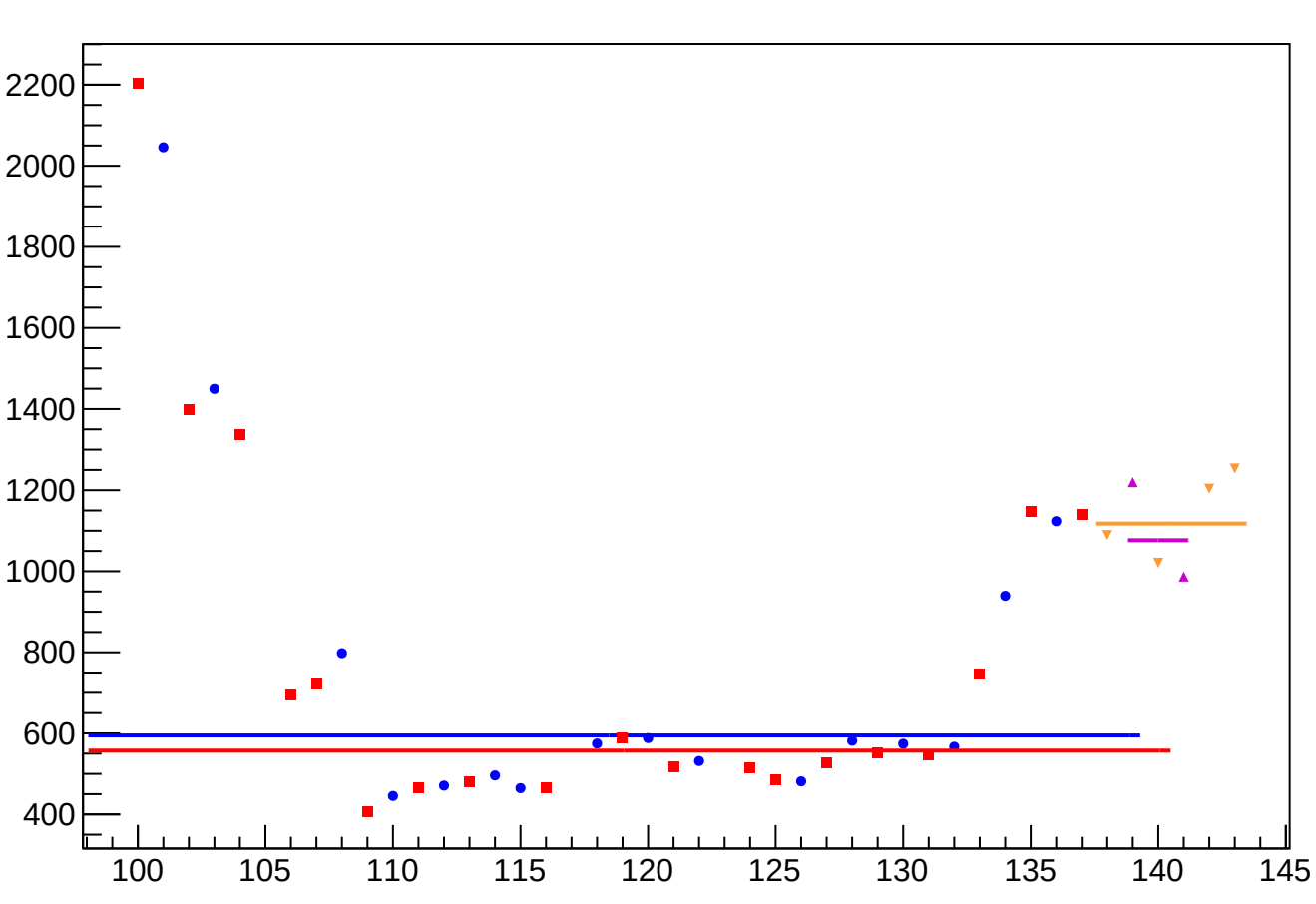
Left: 409.710+/-517.467 χ^2/NDF: 5.0/5

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 4.109+/-228.198 χ^2/NDF:23.2/17

Out: 616.120+/-206.352 χ^2/NDF:16.3/22

All: 340.804+/-153.055 χ^2/NDF: 43.4/40



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1117.642+/-0.470 χ^2/NDF:39632.6/3

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: 1101.503+/-0.366 χ^2/NDF: 80393.9/5

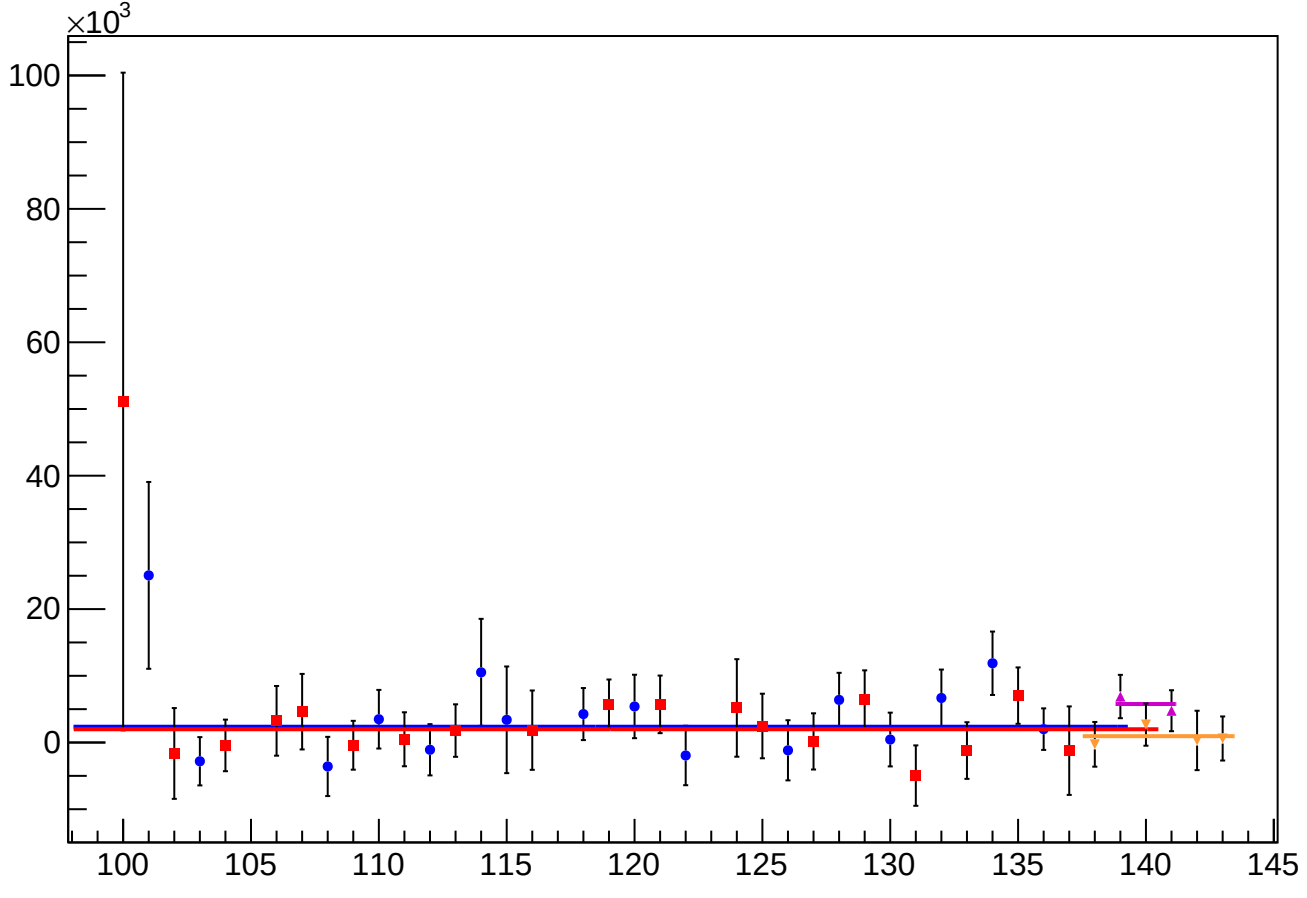
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 631.686+/-0.161 χ^2/NDF:2519702.2/17

Out: 611.465+/-0.146 χ^2/NDF:2956373.7/22

All: 620.562+/-0.108 χ^2/NDF: 5484716.1/40

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 951.341+/-1738.336 χ^2/NDF:0.5/3

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: 2771.348+/-1371.305 χ^2/NDF: 3.6/5

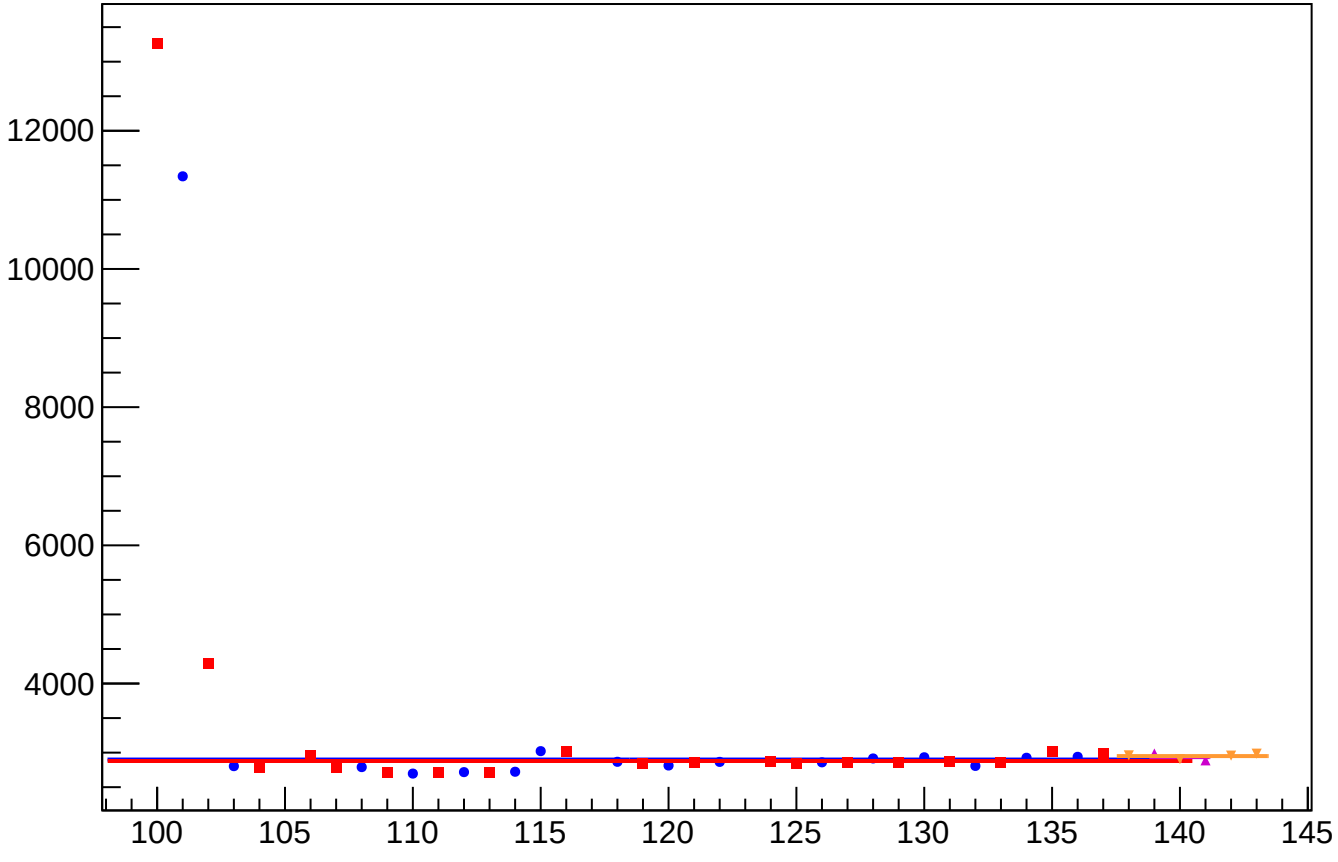
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 3038.521+/-991.092 χ^2/NDF:18.9/17

Out: 1700.409+/-914.488 χ^2/NDF:11.0/22

All: 2315.759+/-672.093 χ^2/NDF: 30.9/40

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2949.995+/-1.229 χ^2/NDF:647.1/3

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2935.087+/-1.578 χ^2/NDF:986.2/1

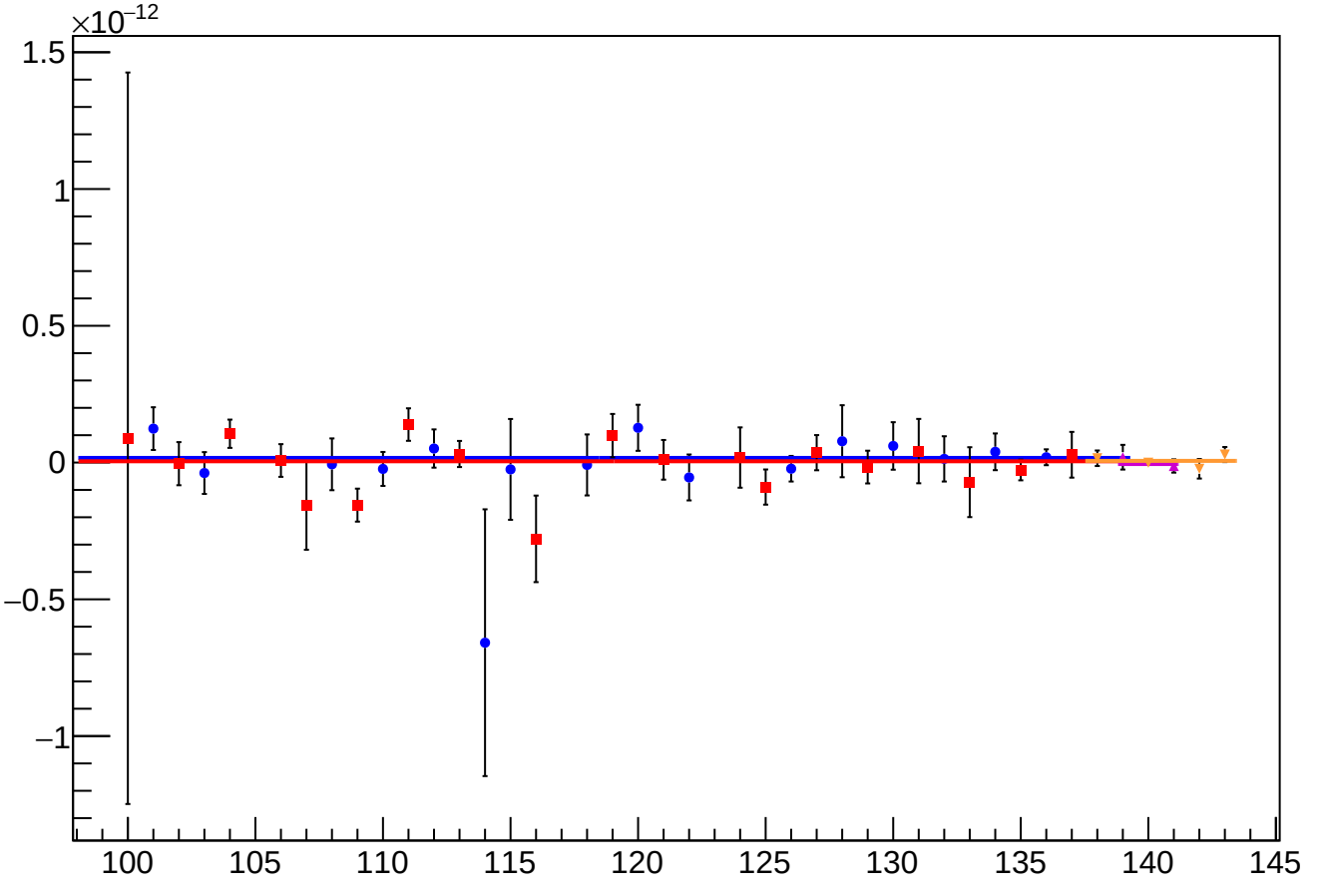
Left: 2944.364+/-0.970 χ^2/NDF: 1688.9/5

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2906.784+/-0.701 χ^2/NDF:743205.3/17

Out: 2898.617+/-0.647 χ^2/NDF:196345.2/22

All: 2902.372+/-0.475 χ^2/NDF: 939623.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

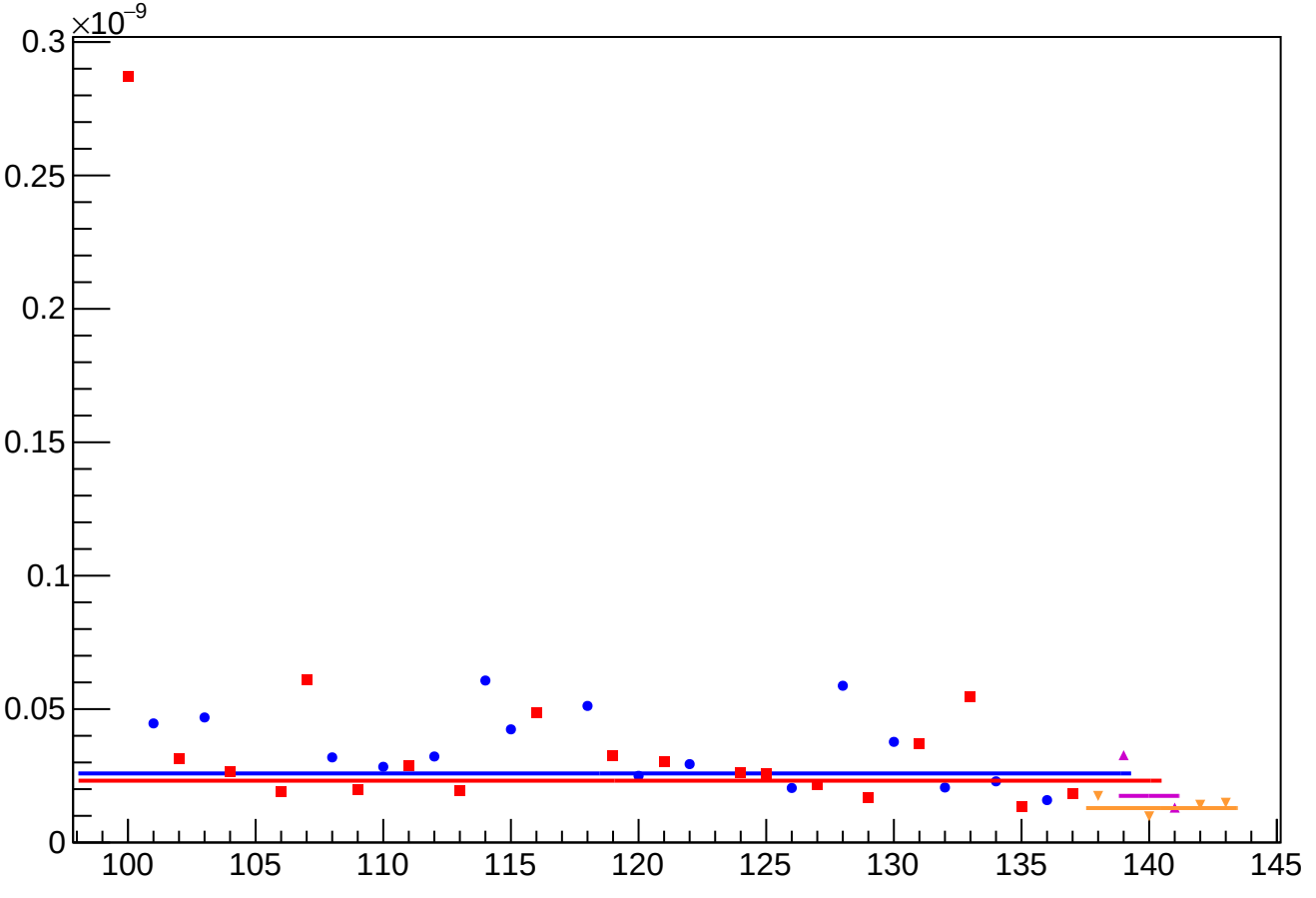
Left: 0.000+/-0.000 χ^2/NDF: 2.2/5

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:27.3/22

All: 0.000+/-0.000 χ^2/NDF: 37.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:120477.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:294447.9/1

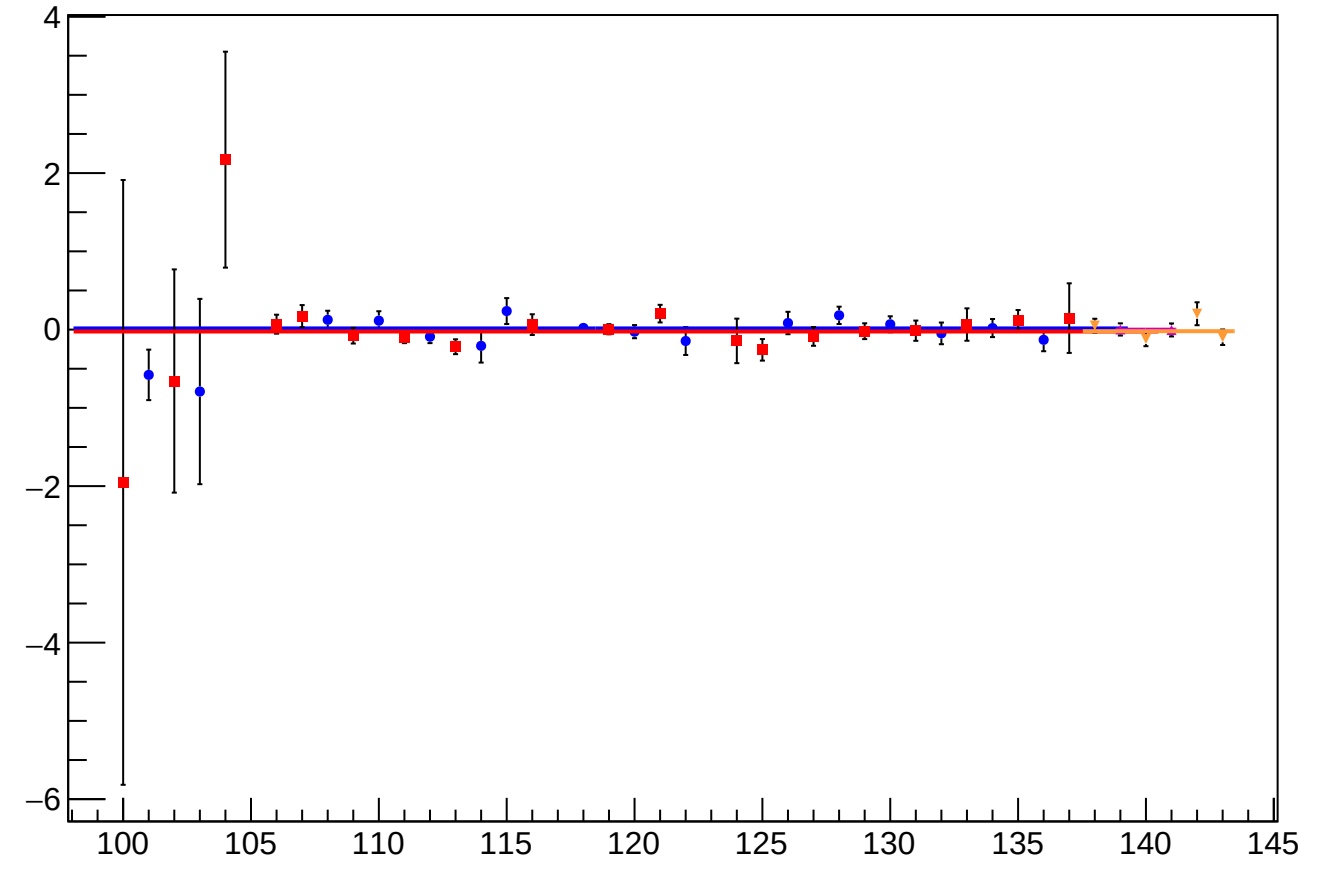
Left: 0.000+/-0.000 χ^2/NDF: 482776.1/5

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:1329364.5/22

All: 0.000+/-0.000 χ^2/NDF: 2920265.5/40



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

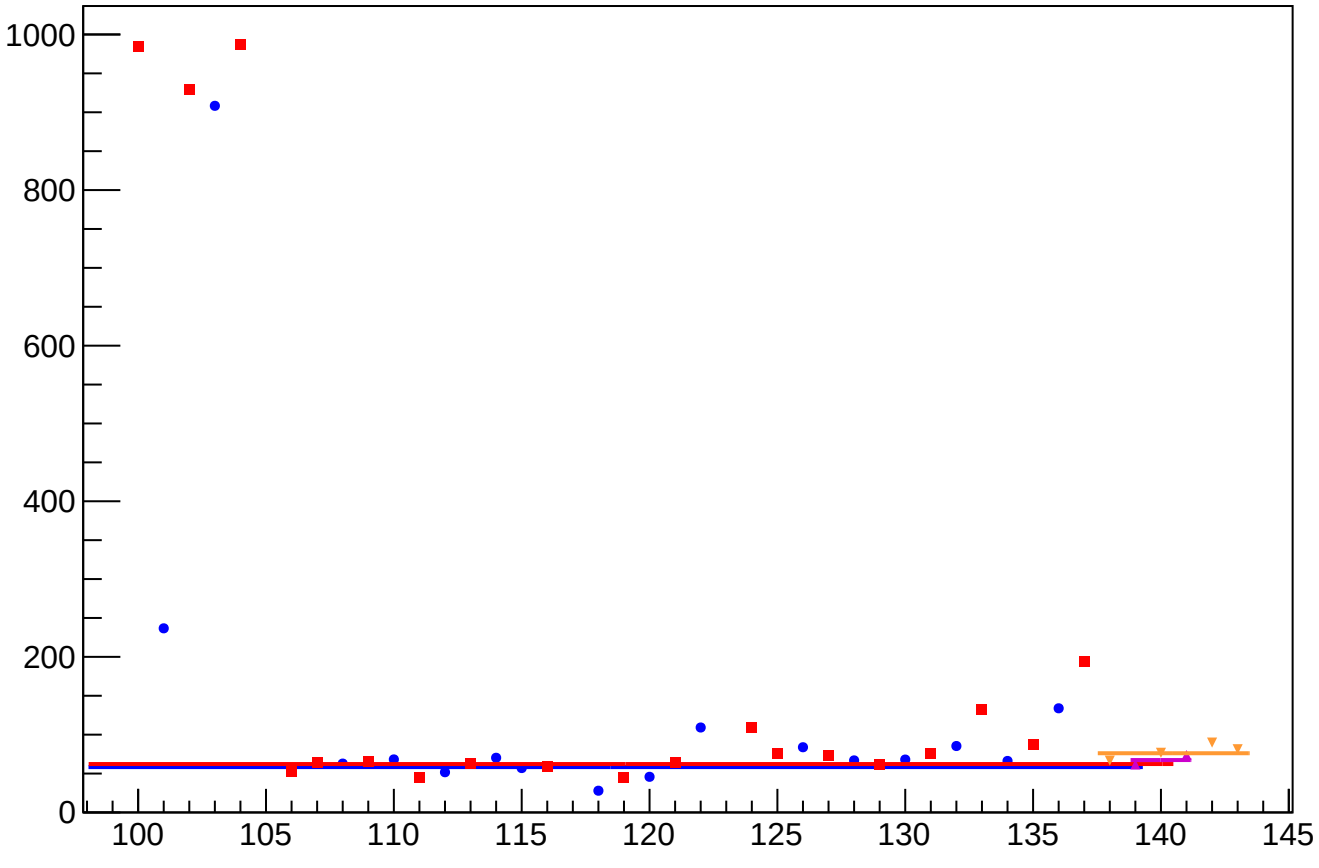
Left: -0.012+/-0.038 χ^2/NDF: 4.8/5

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.006+/-0.017 χ^2/NDF: 41.7/40



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 76.116+/-0.036 χ^2/NDF:46160.7/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 67.369+/-0.040 χ^2/NDF:22598.2/1

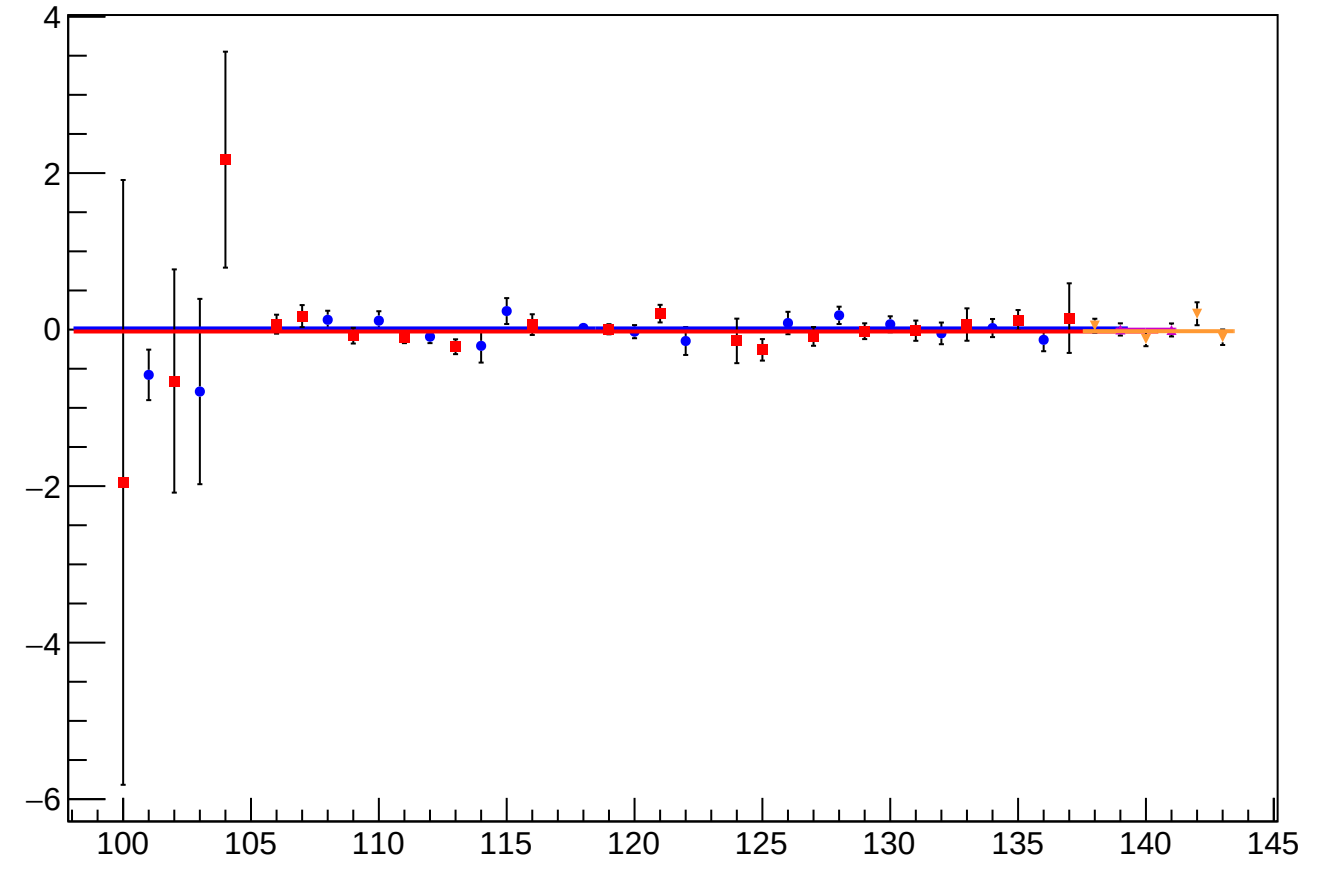
Left: 72.289+/-0.027 χ^2/NDF: 95308.7/5

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.059+/-0.018 χ^2/NDF:3323847.0/17

Out: 65.533+/-0.017 χ^2/NDF:2789723.3/22

All: 62.855+/-0.012 χ^2/NDF: 6162521.1/40



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

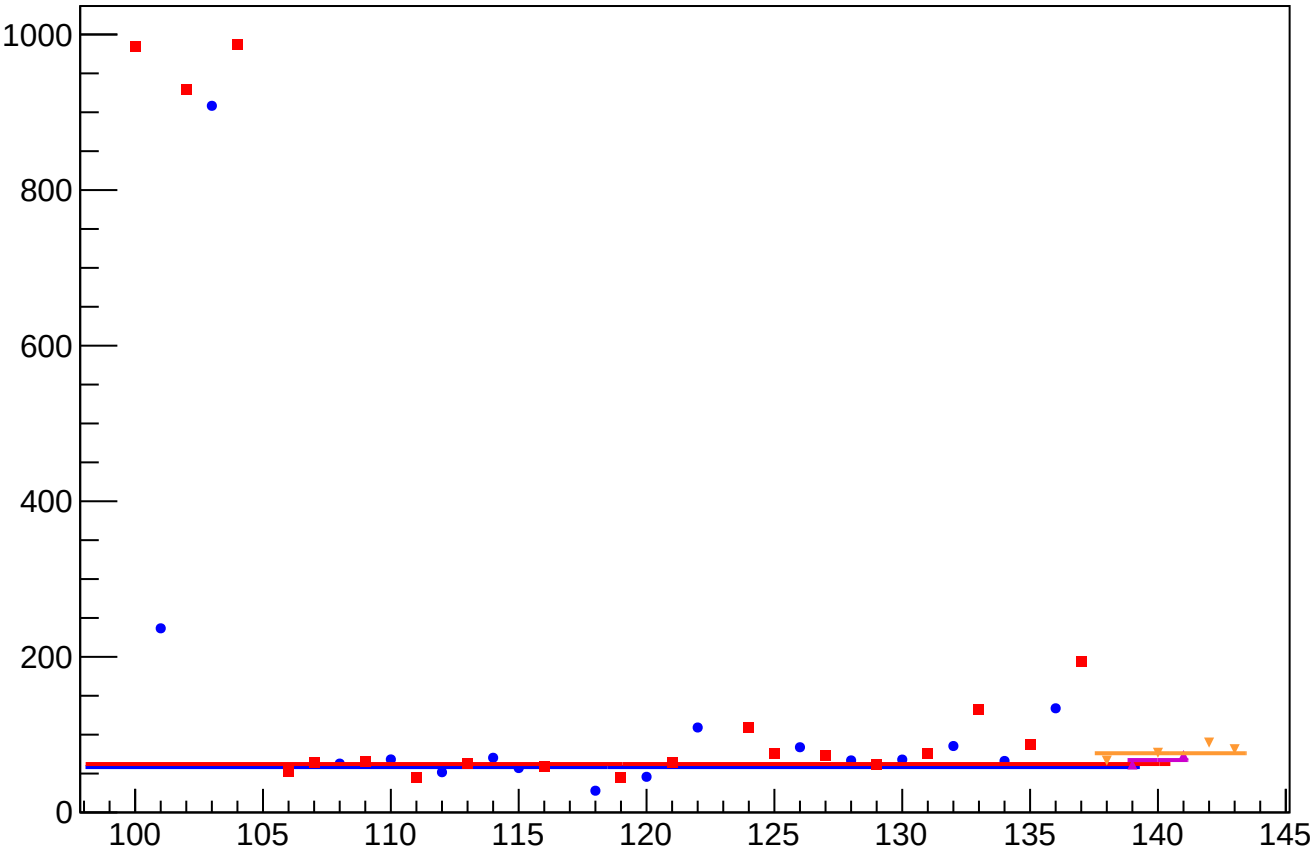
Left: -0.012+/-0.038 χ^2/NDF: 4.8/5

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.006+/-0.017 χ^2/NDF: 41.7/40



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 76.116+/-0.036 χ^2/NDF:46160.7/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 67.369+/-0.040 χ^2/NDF:22598.2/1

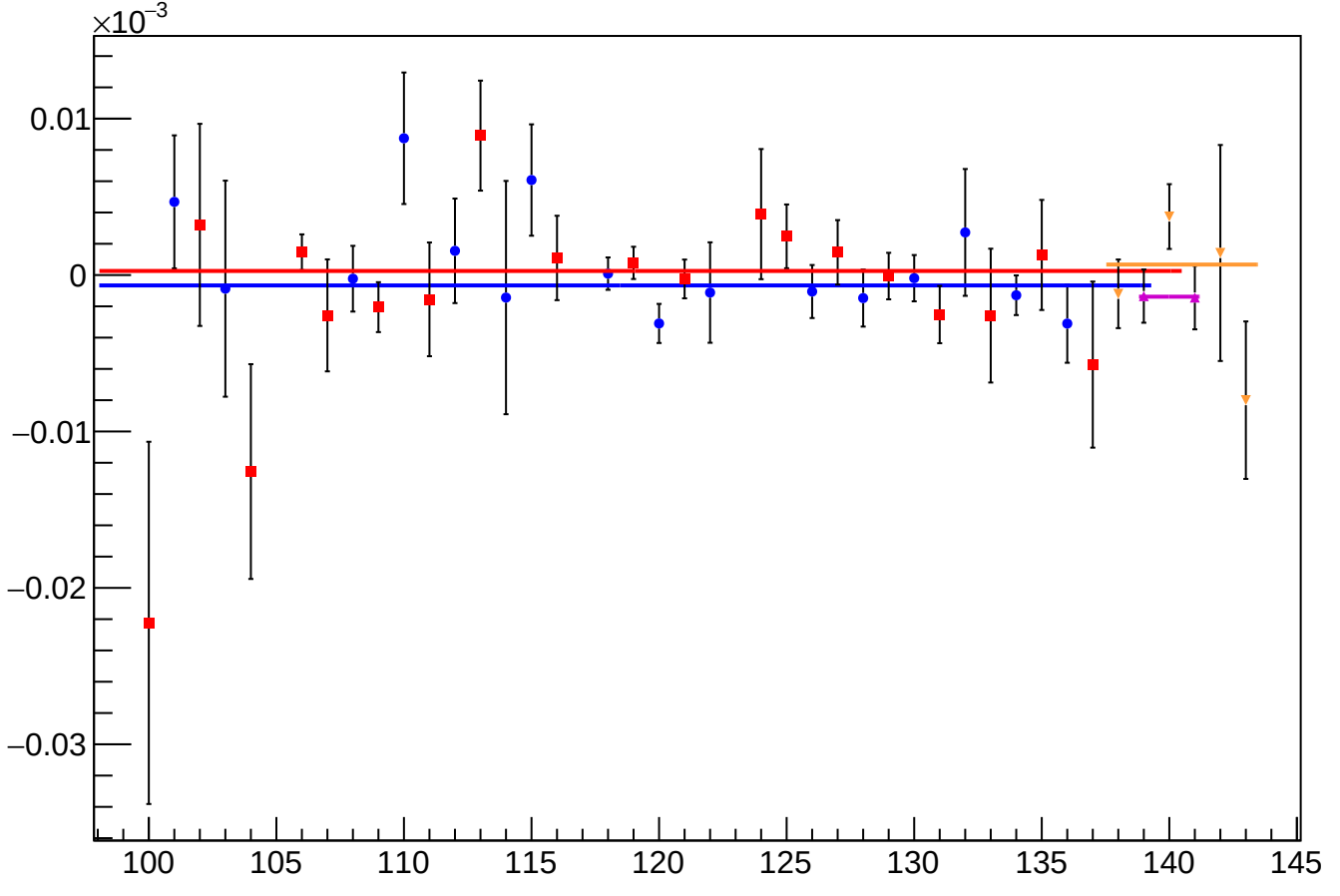
Left: 72.289+/-0.027 χ^2/NDF: 95308.7/5

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.059+/-0.018 χ^2/NDF:3323847.0/17

Out: 65.533+/-0.017 χ^2/NDF:2789723.3/22

All: 62.855+/-0.012 χ^2/NDF: 6162521.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

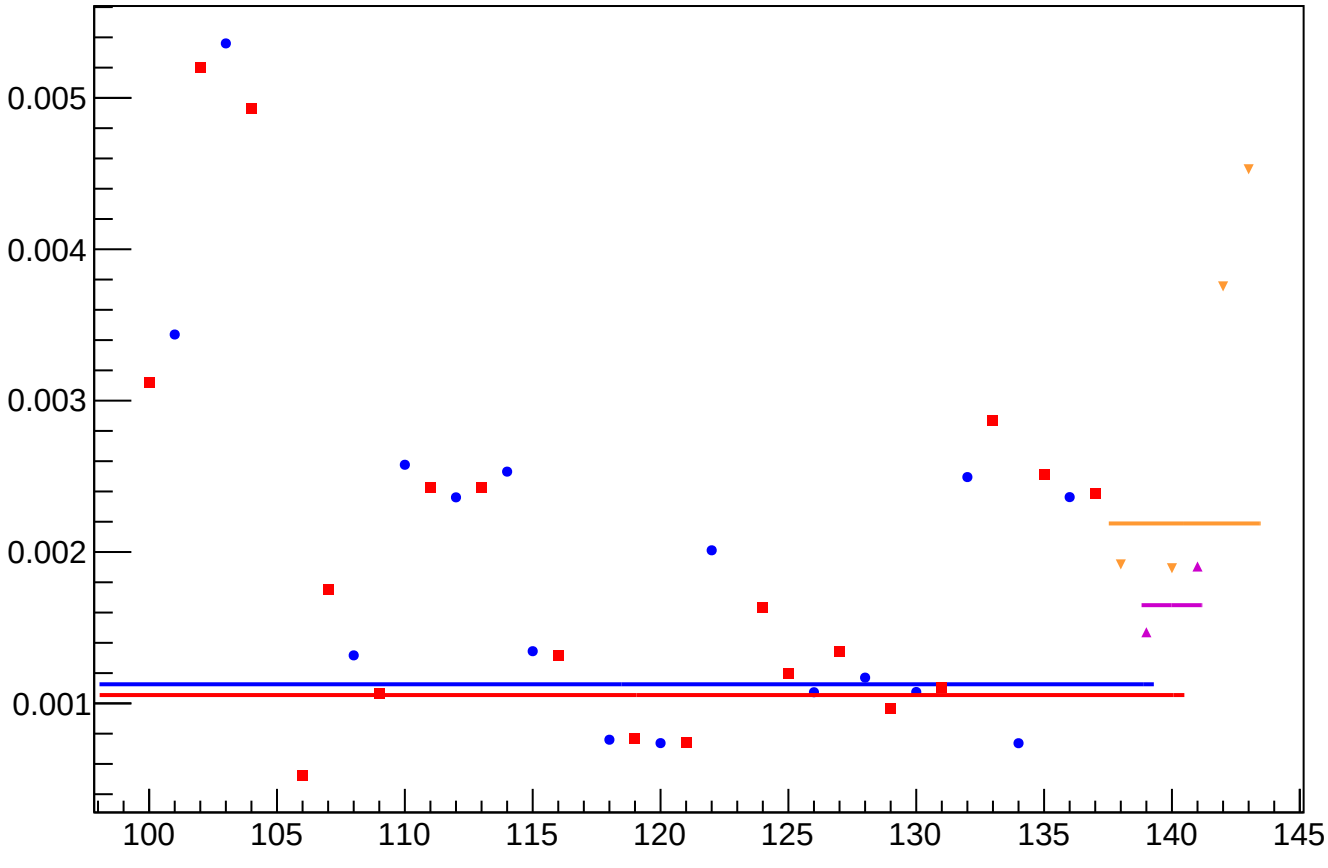
Left: -0.000+/-0.000 χ^2/NDF: 7.0/5

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:30.5/22

All: -0.000+/-0.000 χ^2/NDF: 50.8/40



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:606170.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.002+/-0.000 χ^2/NDF:53649.6/1

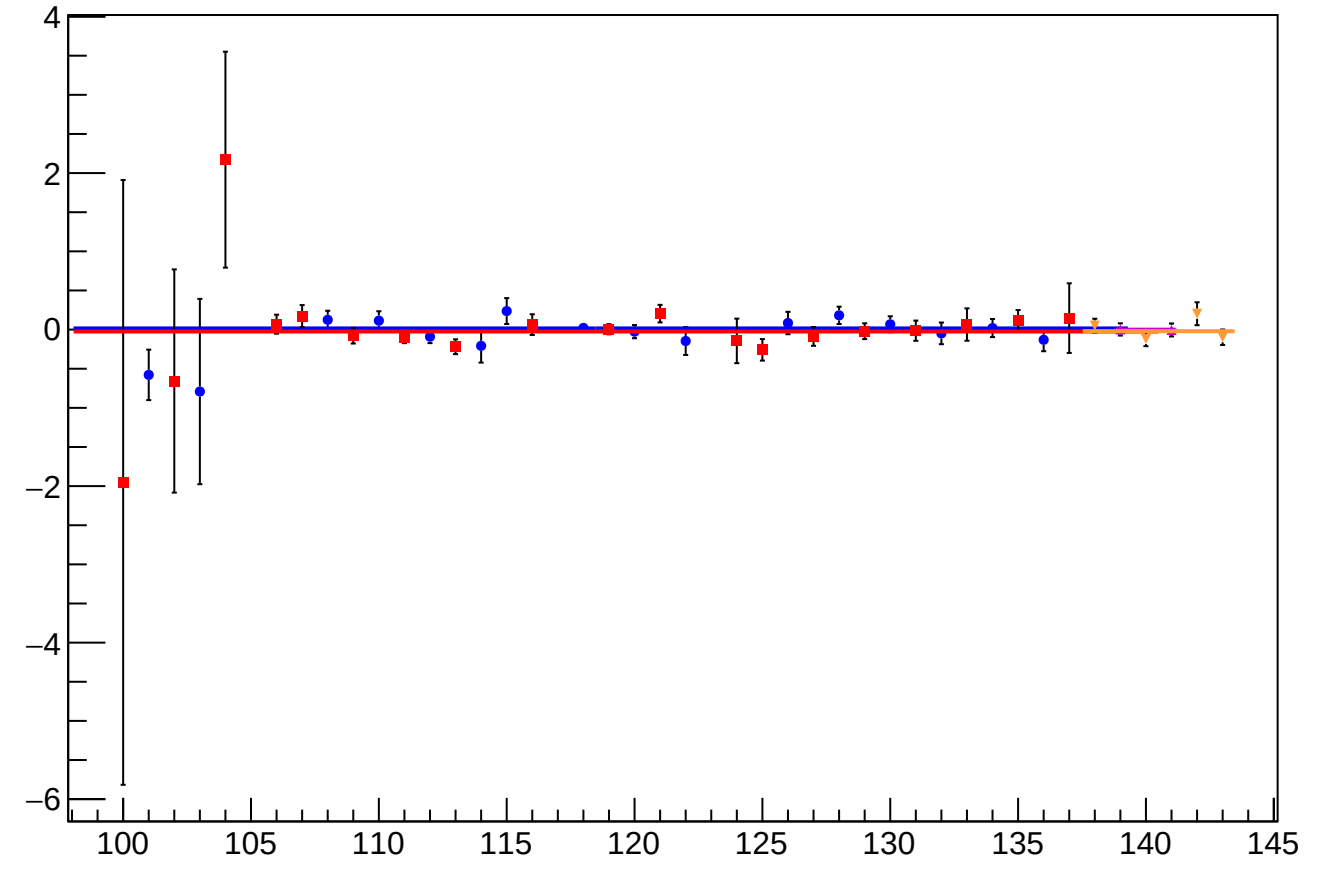
Left: 0.002+/-0.000 χ^2/NDF: 817384.9/5

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:5617007.7/22

All: 0.001+/-0.000 χ^2/NDF: 9407902.9/40



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

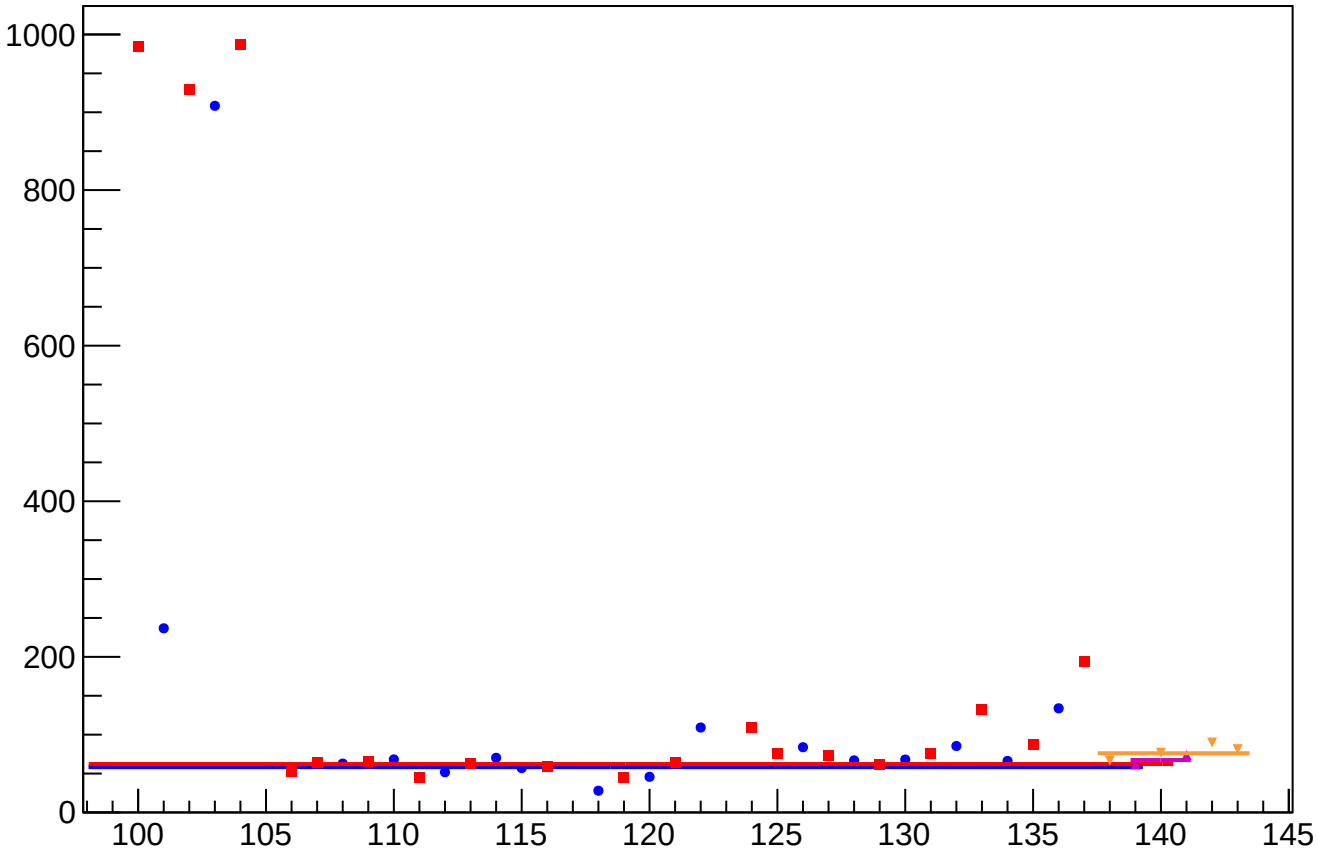
Left: -0.012+/-0.038 χ^2/NDF: 4.8/5

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.006+/-0.017 χ^2/NDF: 41.7/40



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 76.115+/-0.036 χ^2/NDF:46162.0/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 67.370+/-0.040 χ^2/NDF:22591.2/1

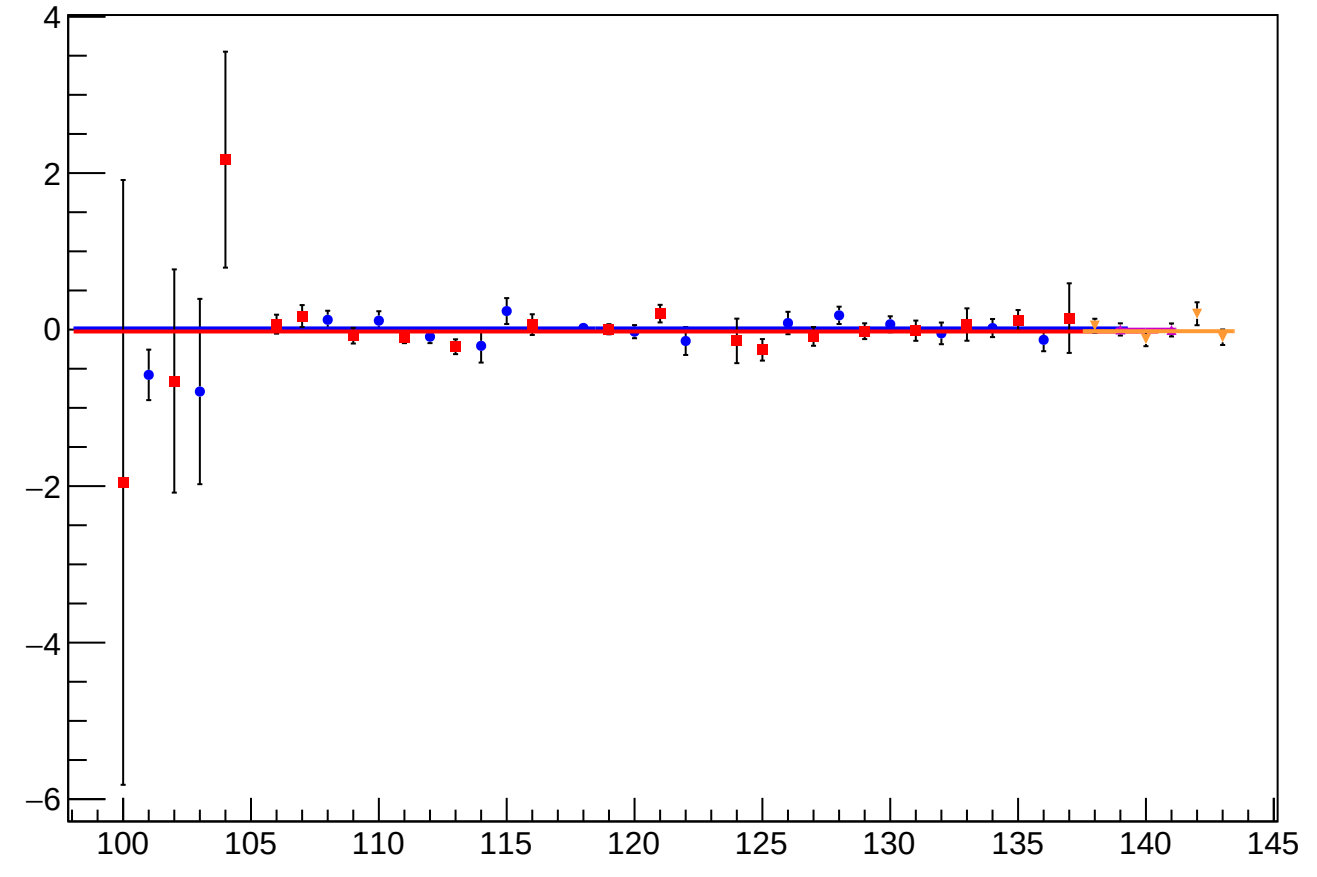
Left: 72.289+/-0.027 χ^2/NDF: 95295.3/5

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.059+/-0.018 χ^2/NDF:3323932.2/17

Out: 65.533+/-0.017 χ^2/NDF:2789708.1/22

All: 62.854+/-0.012 χ^2/NDF: 6162596.9/40



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.020+/-0.050 χ^2/NDF:4.8/3

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.001+/-0.057 χ^2/NDF:0.0/1

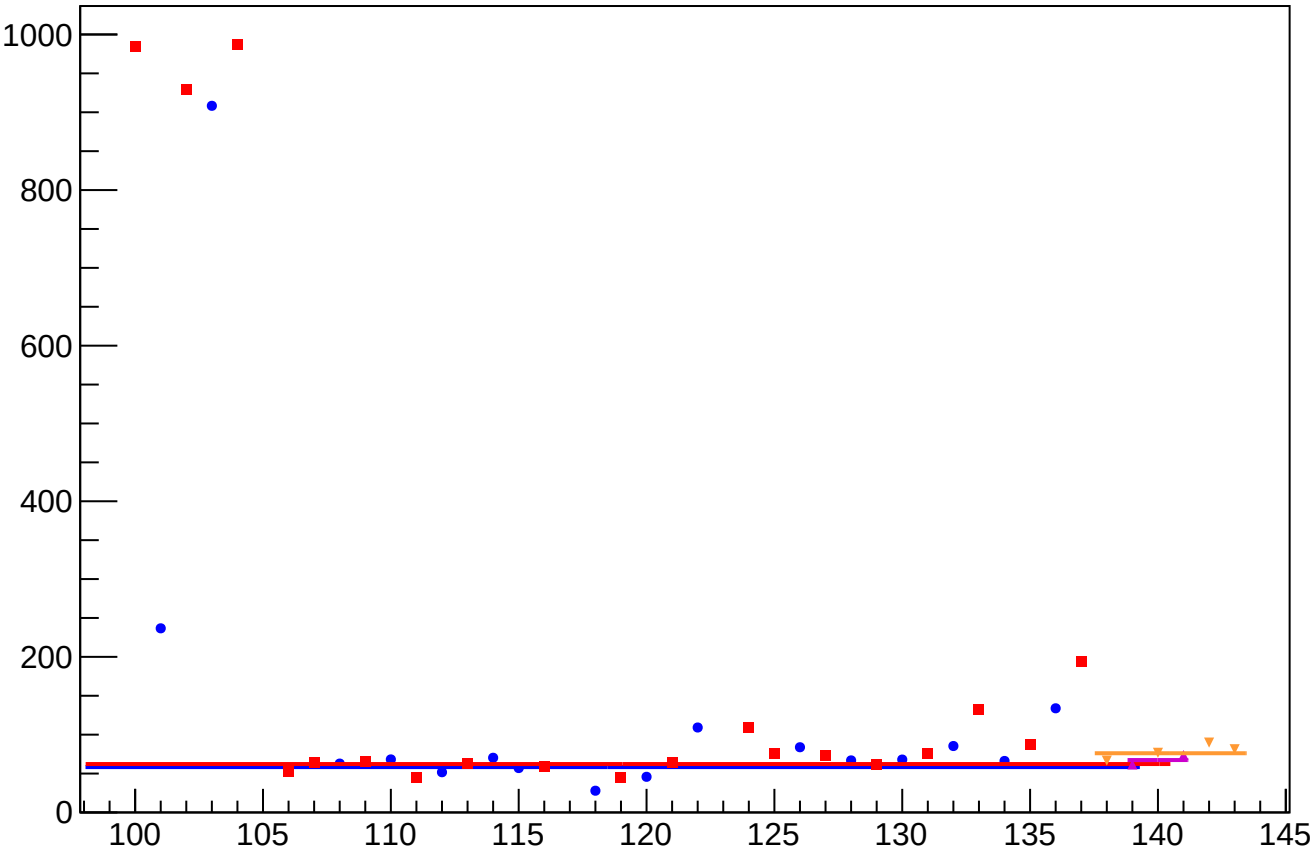
Left: -0.012+/-0.038 χ^2/NDF: 4.8/5

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.025 χ^2/NDF:15.1/17

Out: -0.023+/-0.024 χ^2/NDF:25.6/22

All: -0.006+/-0.017 χ^2/NDF: 41.7/40



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 76.115+/-0.036 χ^2/NDF:46162.0/3

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 67.370+/-0.040 χ^2/NDF:22591.2/1

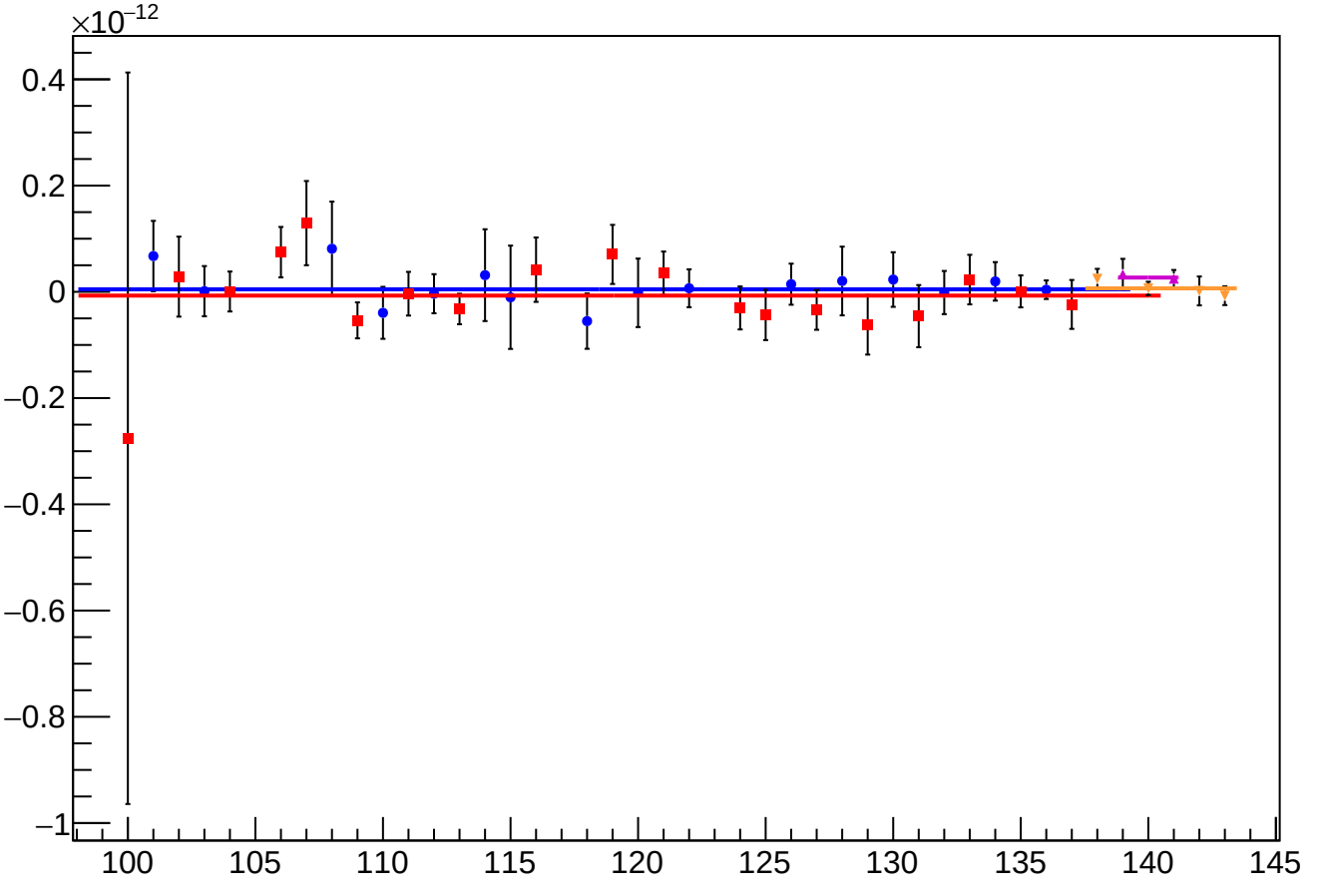
Left: 72.289+/-0.027 χ^2/NDF: 95295.3/5

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.059+/-0.018 χ^2/NDF:3323932.2/17

Out: 65.533+/-0.017 χ^2/NDF:2789708.1/22

All: 62.854+/-0.012 χ^2/NDF: 6162596.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

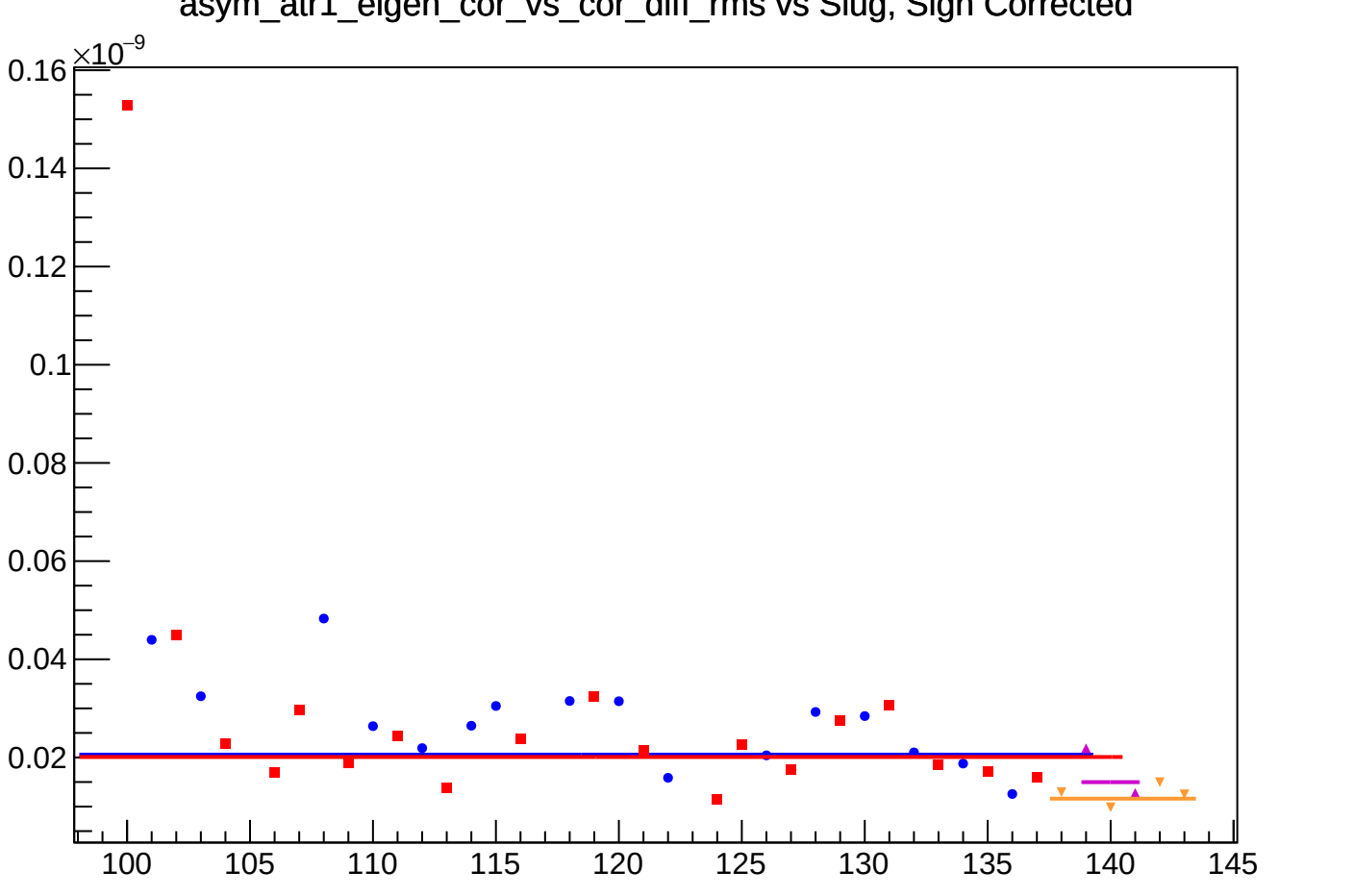
Left: 0.000+/-0.000 χ^2/NDF: 3.1/5

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

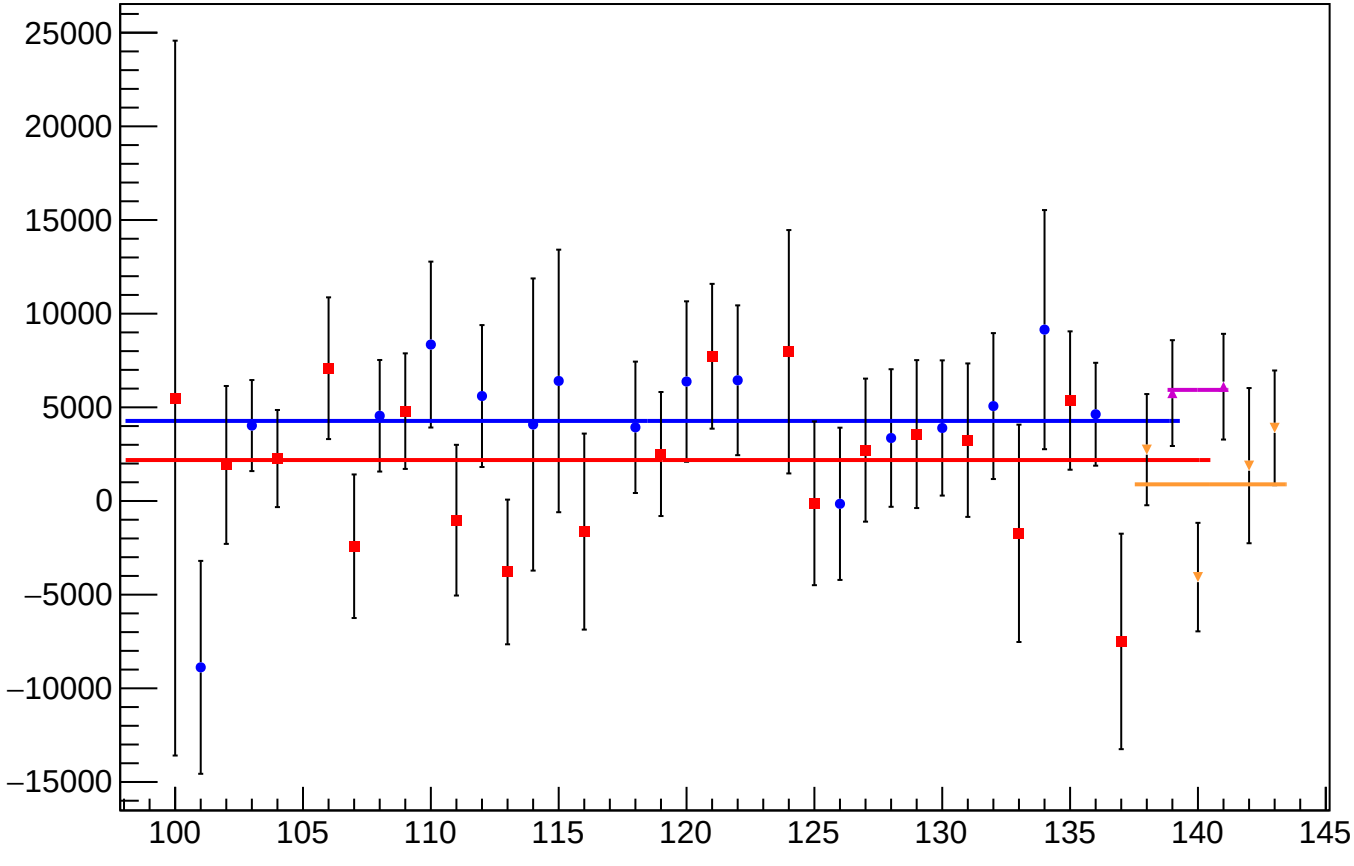
In: 0.000+/-0.000 χ^2/NDF:6.1/17

Out: 0.000+/-0.000 χ^2/NDF:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 26.0/40


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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
145
Right In: 0.000+/-0.000 χ²/NDF: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:84620.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:149975.5/1
Left: 0.000+/-0.000 χ²/NDF: 316758.4/5
Right: 0.000+/-0.000 χ²/NDF: 2134051.1/34
In: 0.000+/-0.000 χ²/NDF:1674114.5/17
Out: 0.000+/-0.000 χ²/NDF:1718379.4/22
All: 0.000+/-0.000 χ²/NDF: 3614244.8/40

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.670+/-1585.643 χ^2/NDF:4.3/3

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: 2840.223+/-1241.594 χ^2/NDF: 8.3/5

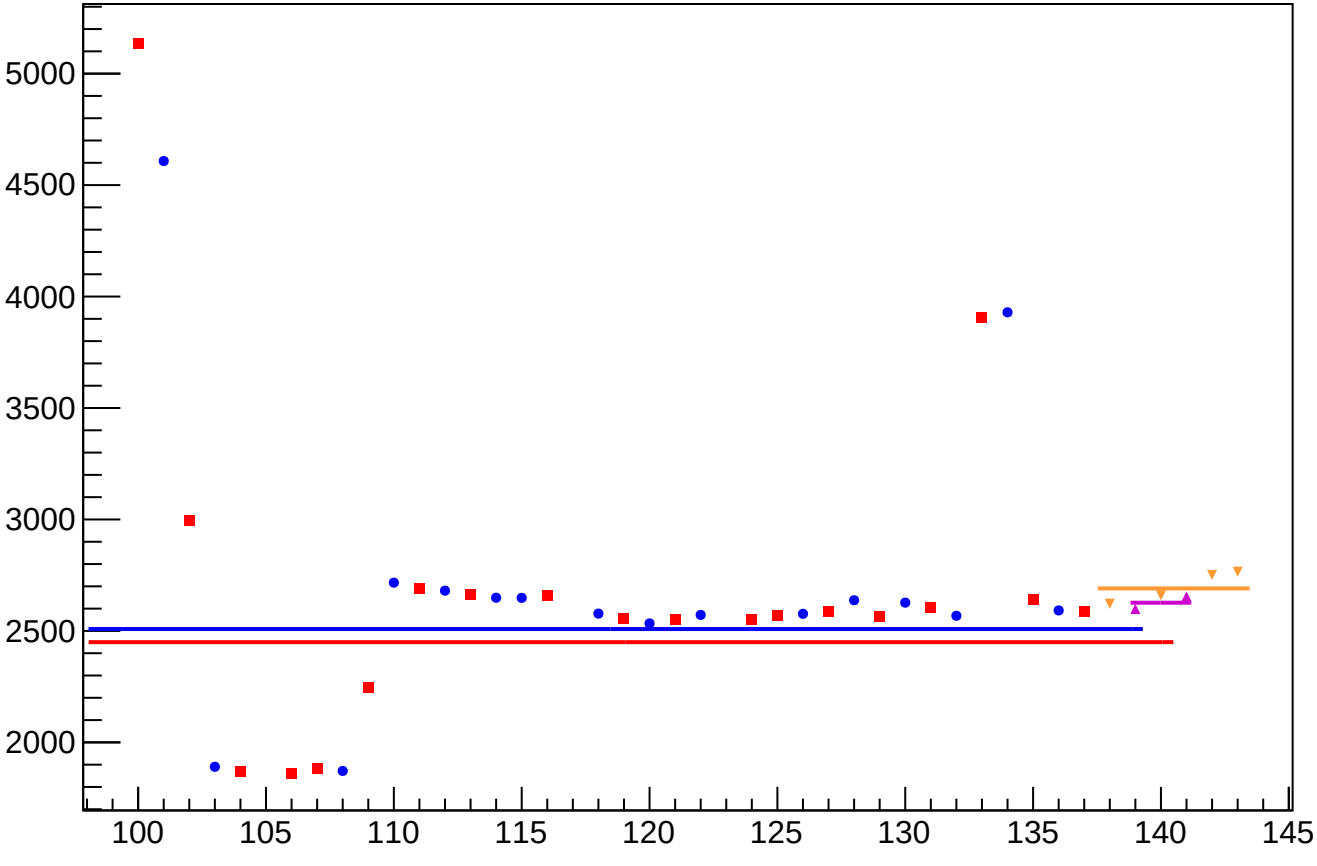
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4581.431+/-859.248 χ^2/NDF:9.5/17

Out: 1858.593+/-797.118 χ^2/NDF:19.6/22

All: 3118.022+/-584.379 χ^2/NDF: 34.5/40

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

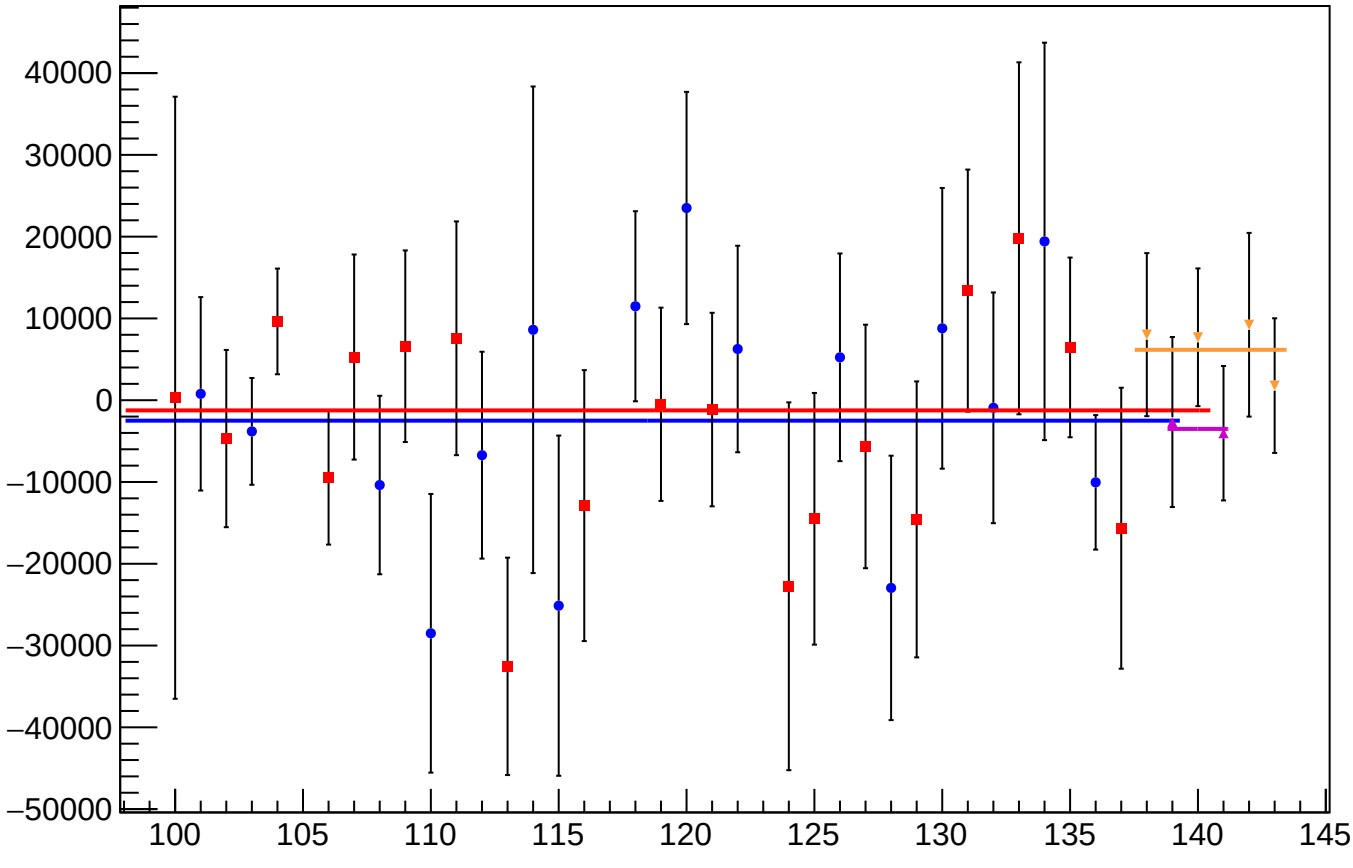
Left: 2665.897+/-0.878 χ^2/NDF: 4579.9/5

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2530.355+/-0.608 χ^2/NDF:617692.7/17

Out: 2510.545+/-0.564 χ^2/NDF:474366.0/22

All: 2519.708+/-0.413 χ^2/NDF: 1092630.0/40



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6161.956+/-4620.564 χ^2/NDF:0.4/3

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: -3509.518+/-6447.819 χ^2/NDF:0.0/1

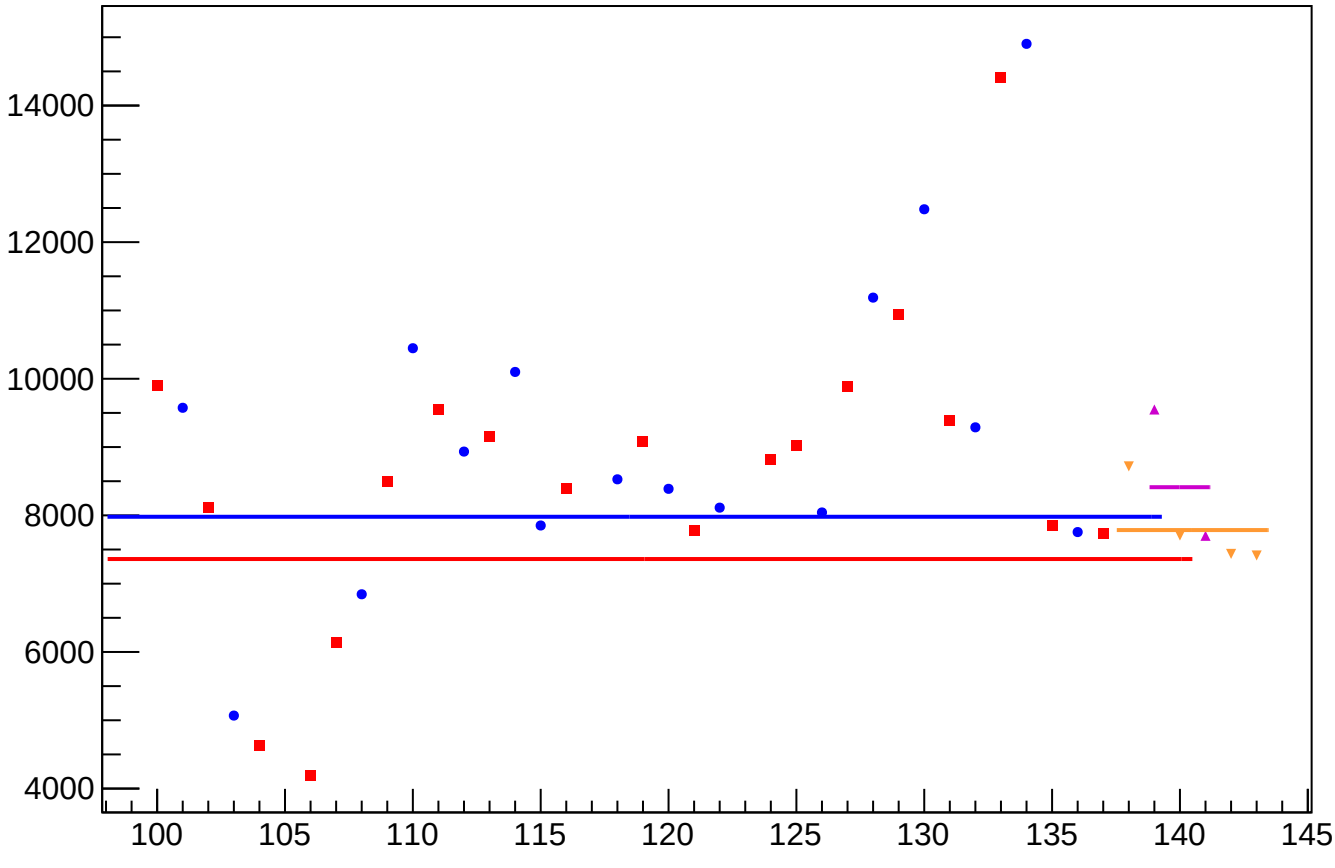
Left: 2880.502+/-3755.776 χ^2/NDF: 1.9/5

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -2687.607+/-2775.952 χ^2/NDF:13.8/17

Out: 799.665+/-2427.372 χ^2/NDF:18.9/22

All: -711.396+/-1827.301 χ^2/NDF: 33.6/40



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7784.709+/-3.267 χ^2/NDF:23684.2/3

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: 7997.679+/-2.656 χ^2/NDF: 75141.3/5

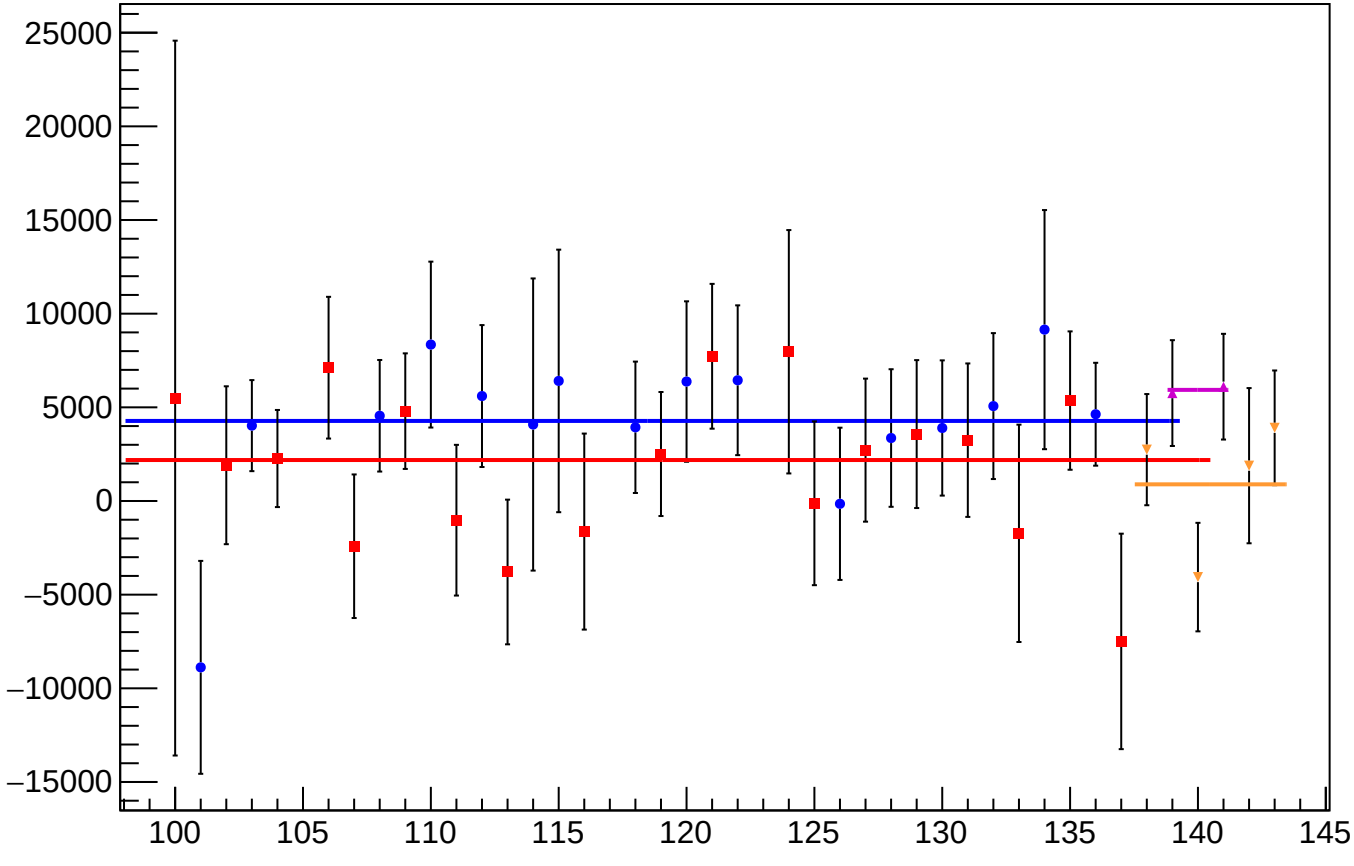
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8059.729+/-1.963 χ^2/NDF:969362.8/17

Out: 7477.749+/-1.716 χ^2/NDF:1321884.1/22

All: 7729.925+/-1.292 χ^2/NDF: 2341063.0/40

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 889.433+/-1585.644 χ^2/NDF:4.3/3

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: 2840.178+/-1241.594 χ^2/NDF: 8.3/5

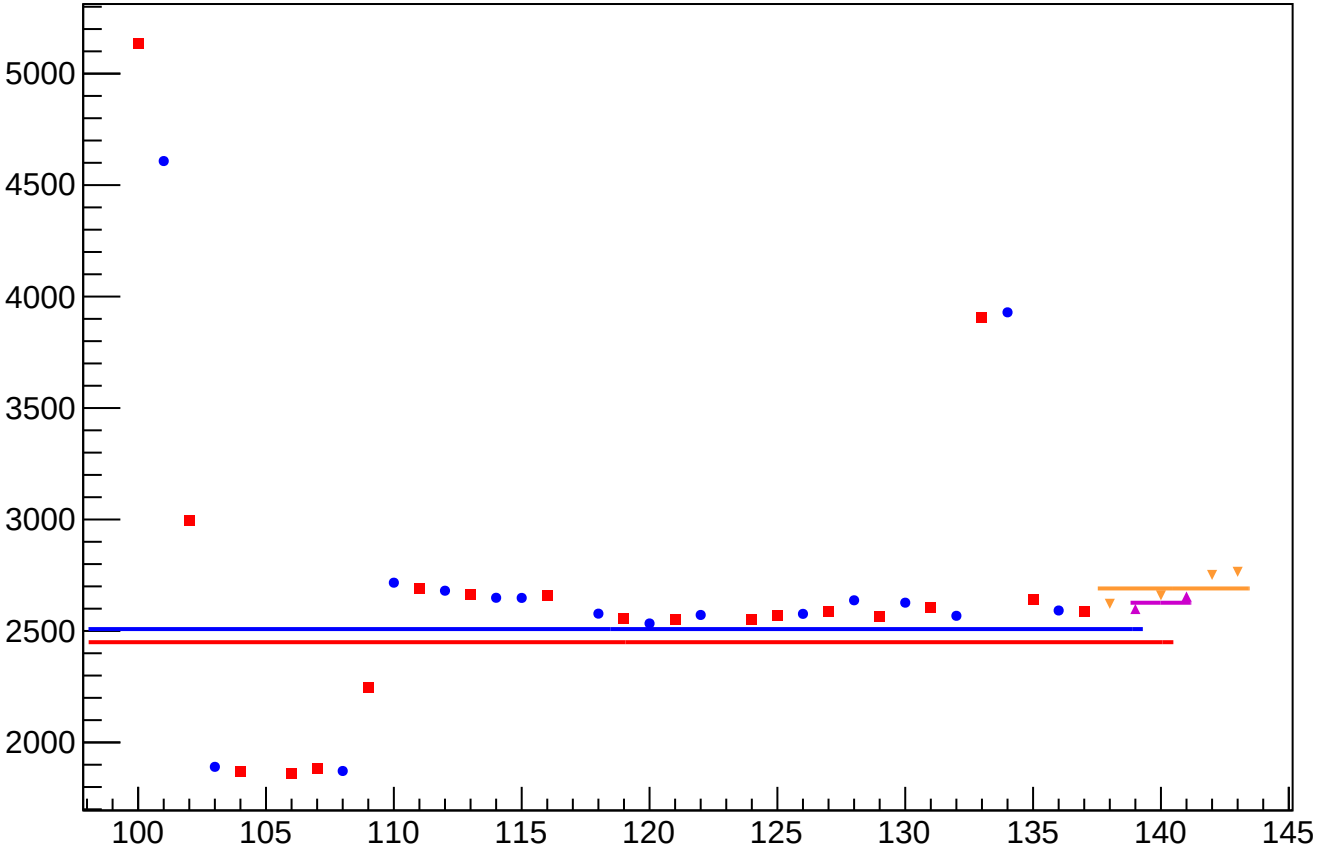
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4581.080+/-859.248 χ^2/NDF:9.5/17

Out: 1858.995+/-797.123 χ^2/NDF:19.7/22

All: 3118.083+/-584.381 χ^2/NDF: 34.5/40

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

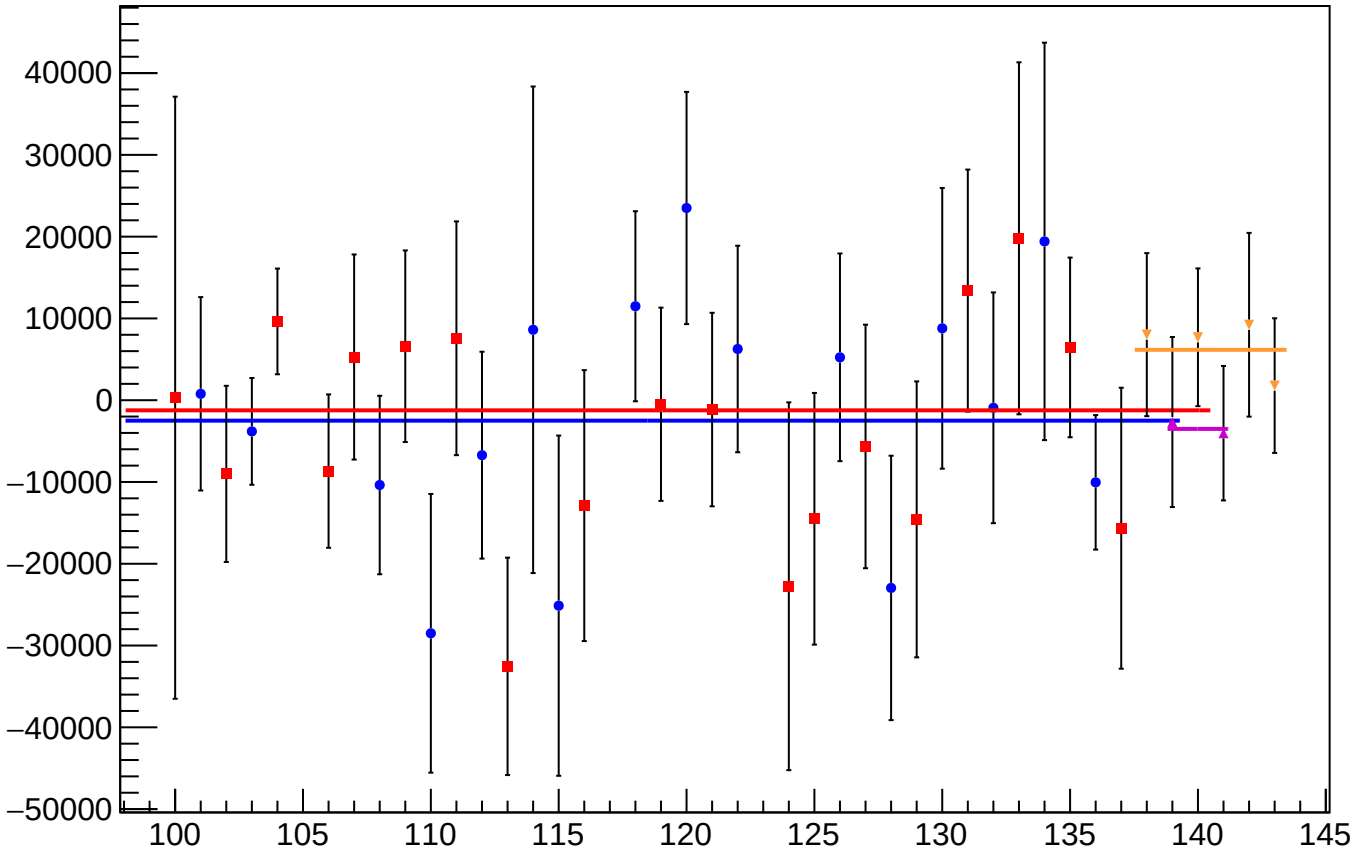
Left: 2665.897+/-0.878 χ^2/NDF: 4579.9/5

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2530.356+/-0.608 χ^2/NDF:617690.4/17

Out: 2510.564+/-0.564 χ^2/NDF:474304.5/22

All: 2519.719+/-0.413 χ^2/NDF: 1092565.2/40



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6161.610+/-4620.544 χ^2/NDF:0.4/3

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -3509.465+/-6447.814 χ^2/NDF:0.0/1

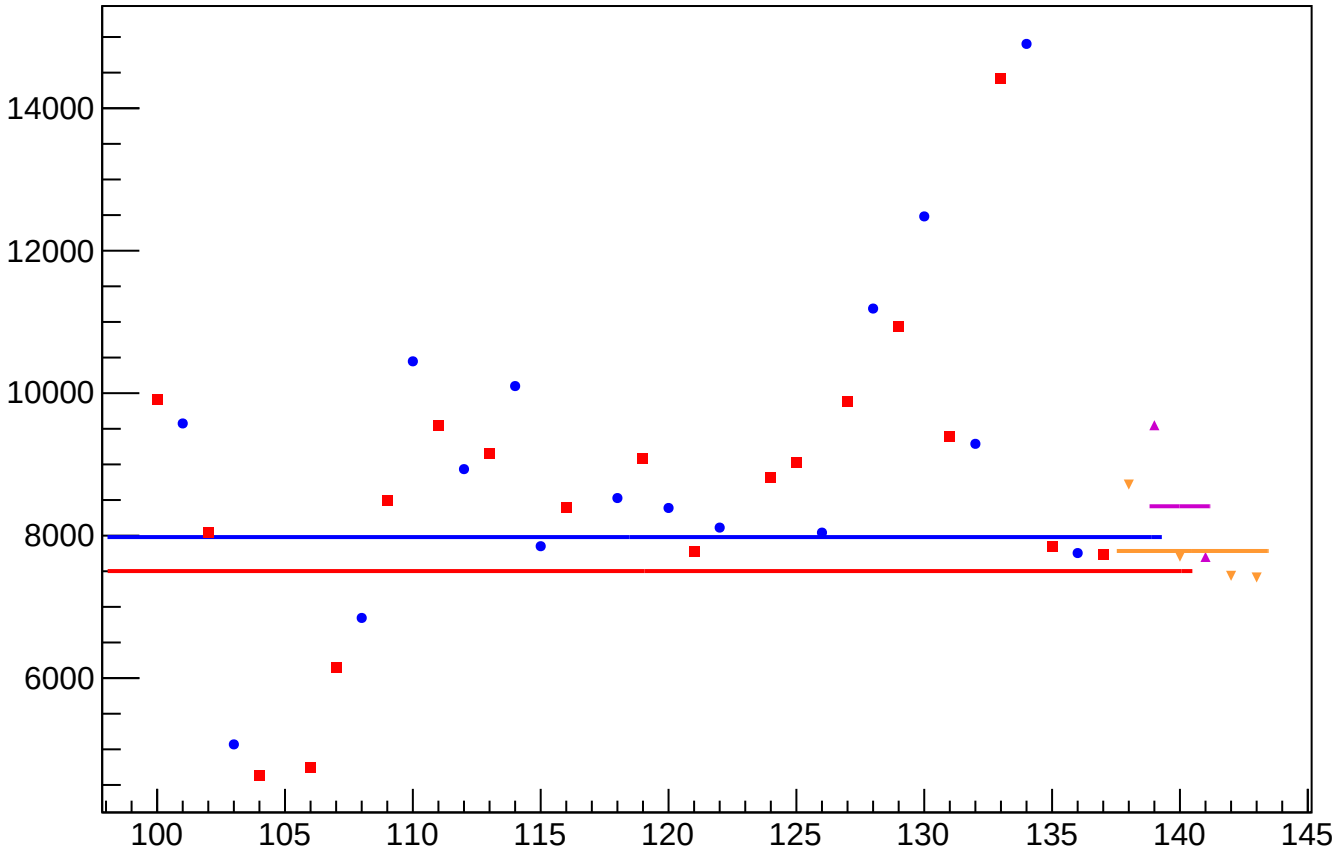
Left: 2880.306+/-3755.765 χ^2/NDF: 1.9/5

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2687.425+/-2776.016 χ^2/NDF:13.8/17

Out: 845.001+/-2452.310 χ^2/NDF:18.9/22

All: -703.341+/-1837.887 χ^2/NDF: 33.6/40



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7784.674+/-3.267 χ^2/NDF:23685.4/3

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8412.392+/-4.559 χ^2/NDF:38934.8/1

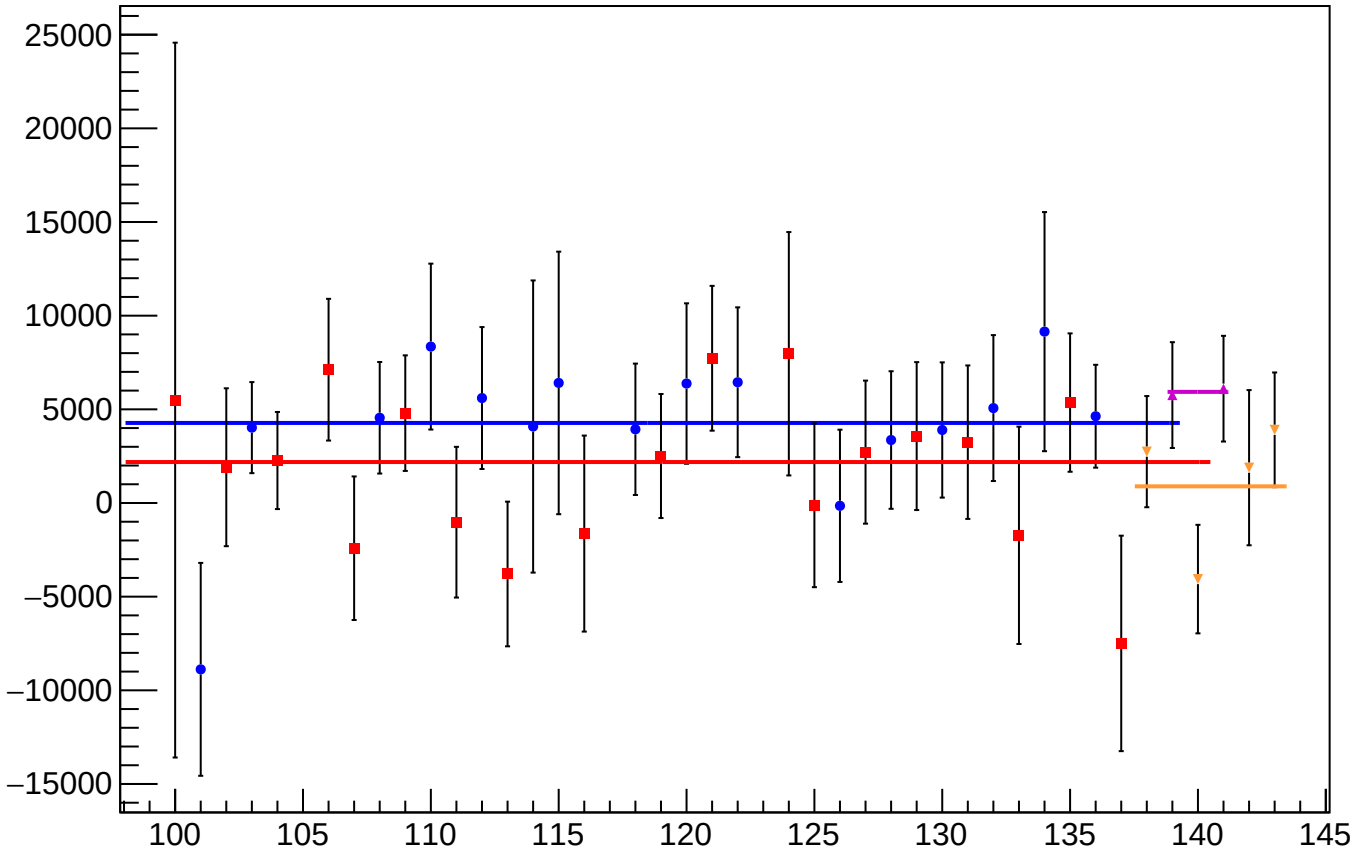
Left: 7997.653+/-2.656 χ^2/NDF: 75144.2/5

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

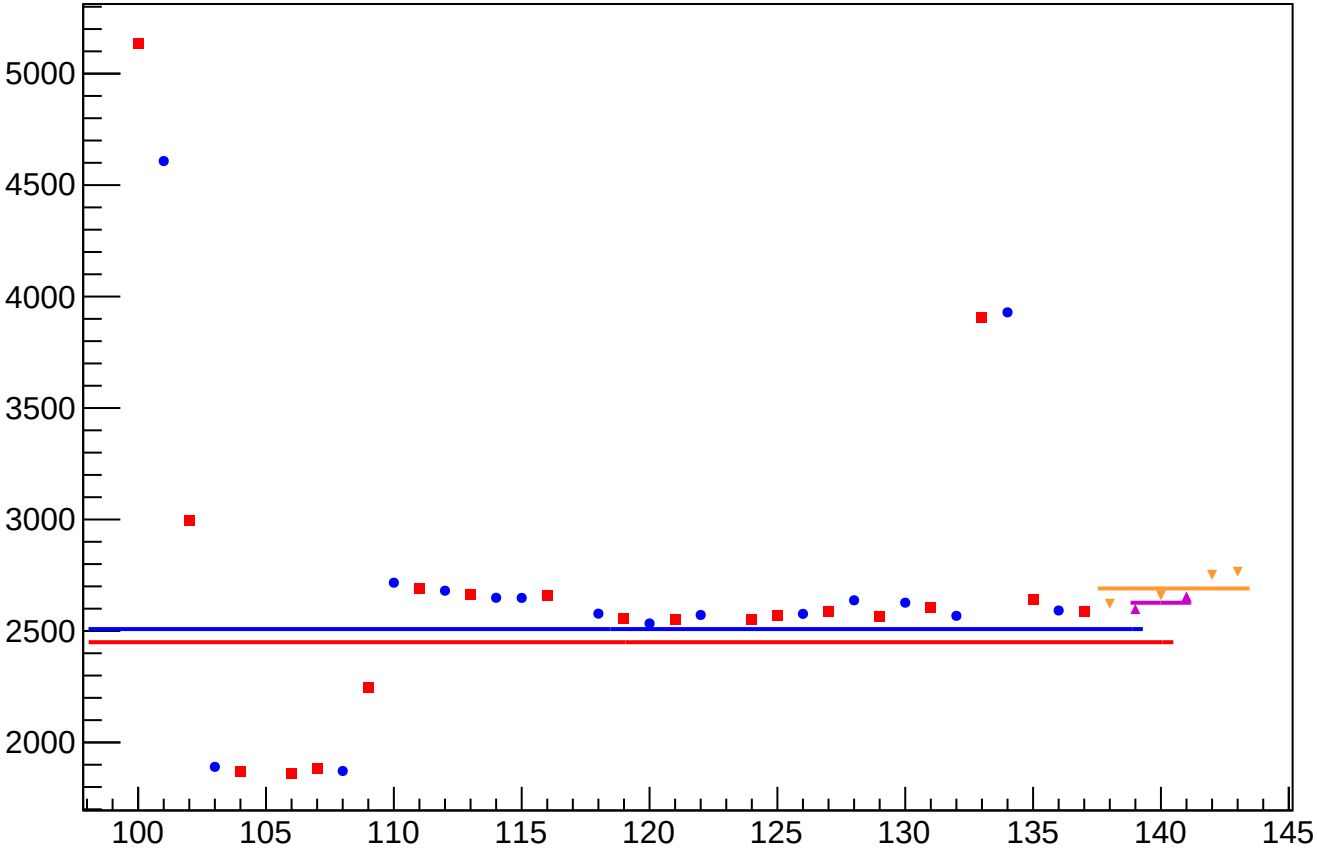
In: 8059.995+/-1.963 χ^2/NDF:969053.5/17

Out: 7582.117+/-1.734 χ^2/NDF:1164559.8/22

All: 7791.582+/-1.300 χ^2/NDF: 2166902.8/40


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: 889.433+/-1585.644 χ²/NDF:4.3/3
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 5931.730+/-1996.151 χ²/NDF:0.0/1
Left: 2840.178+/-1241.594 χ²/NDF: 8.3/5
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 4581.080+/-859.248 χ²/NDF:9.5/17
Out: 1858.995+/-797.123 χ²/NDF:19.7/22
All: 3118.083+/-584.381 χ²/NDF: 34.5/40

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2690.694+/-1.121 χ^2/NDF:2919.2/3

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2626.598+/-1.411 χ^2/NDF:396.4/1

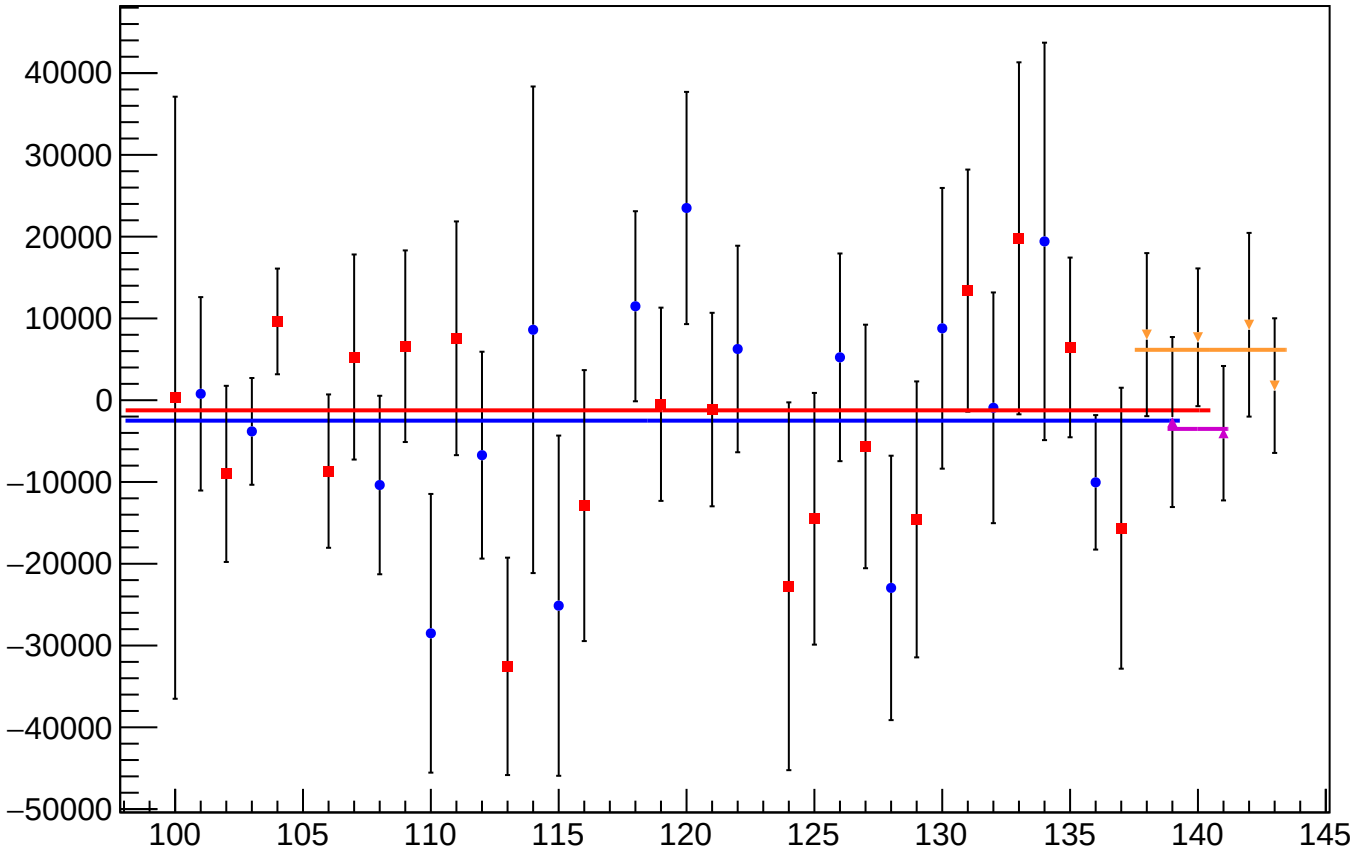
Left: 2665.897+/-0.878 χ^2/NDF: 4579.9/5

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2530.356+/-0.608 χ^2/NDF:617690.4/17

Out: 2510.564+/-0.564 χ^2/NDF:474304.5/22

All: 2519.719+/-0.413 χ^2/NDF: 1092565.2/40



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6161.610+/-4620.544 χ^2/NDF:0.4/3

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -3509.465+/-6447.814 χ^2/NDF:0.0/1

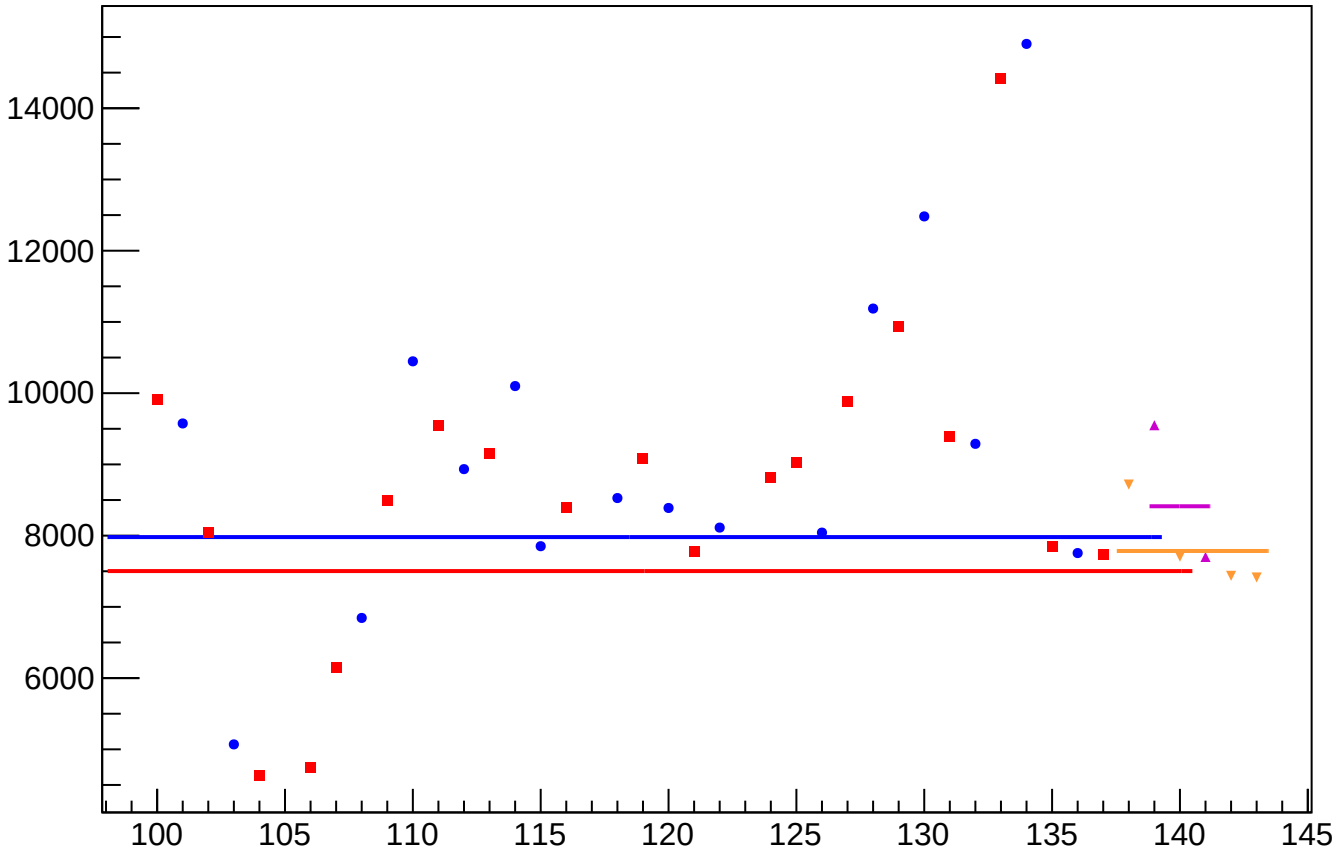
Left: 2880.306+/-3755.765 χ^2/NDF: 1.9/5

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -2687.425+/-2776.016 χ^2/NDF:13.8/17

Out: 845.001+/-2452.310 χ^2/NDF:18.9/22

All: -703.341+/-1837.887 χ^2/NDF: 33.6/40



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7784.674+/-3.267 χ^2/NDF:23685.4/3

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: 7997.653+/-2.656 χ^2/NDF: 75144.2/5

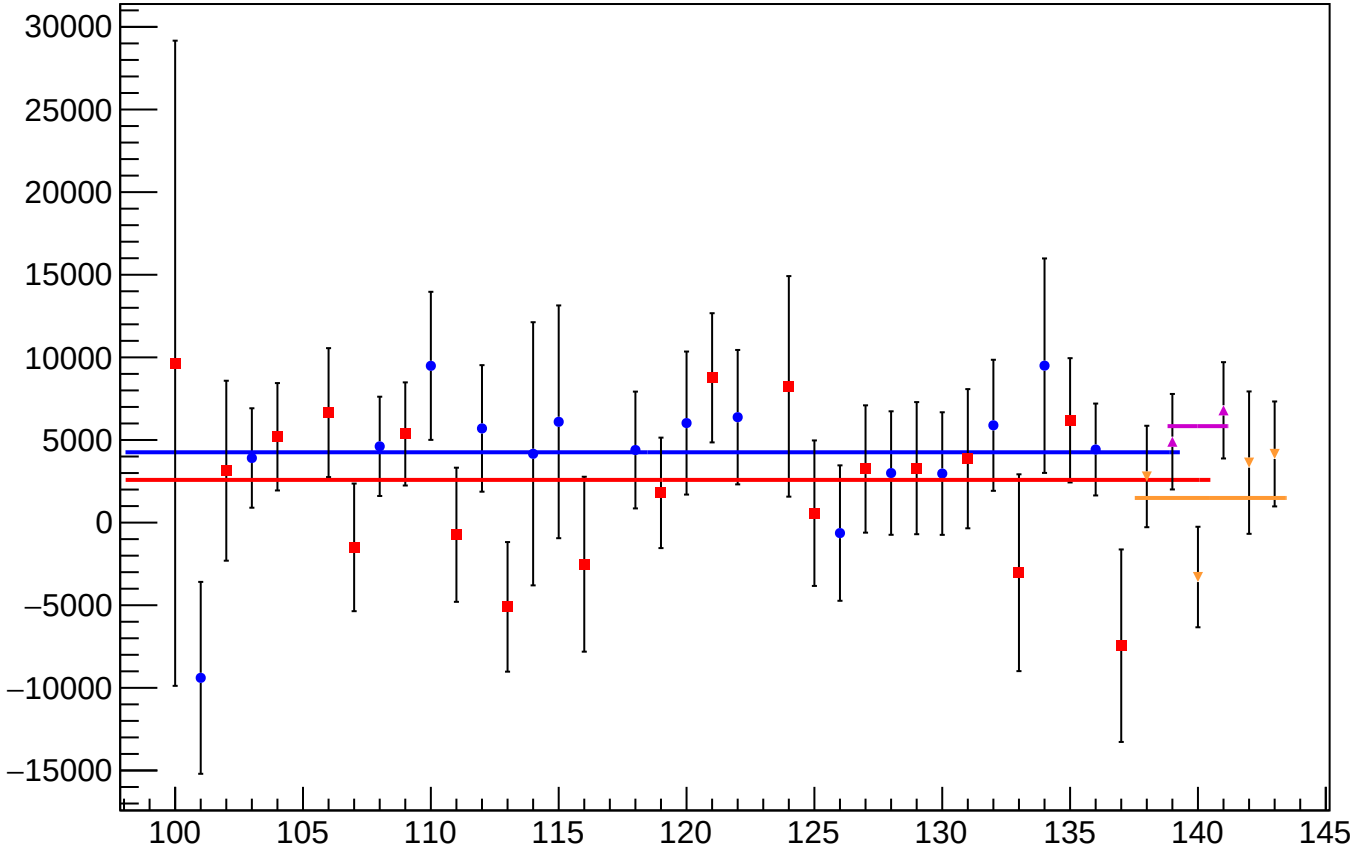
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8059.995+/-1.963 χ^2/NDF:969053.5/17

Out: 7582.117+/-1.734 χ^2/NDF:1164559.8/22

All: 7791.582+/-1.300 χ^2/NDF: 2166902.8/40

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1492.116+/-1650.200 χ^2/NDF:3.6/3

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: 3199.202+/-1285.903 χ^2/NDF: 6.5/5

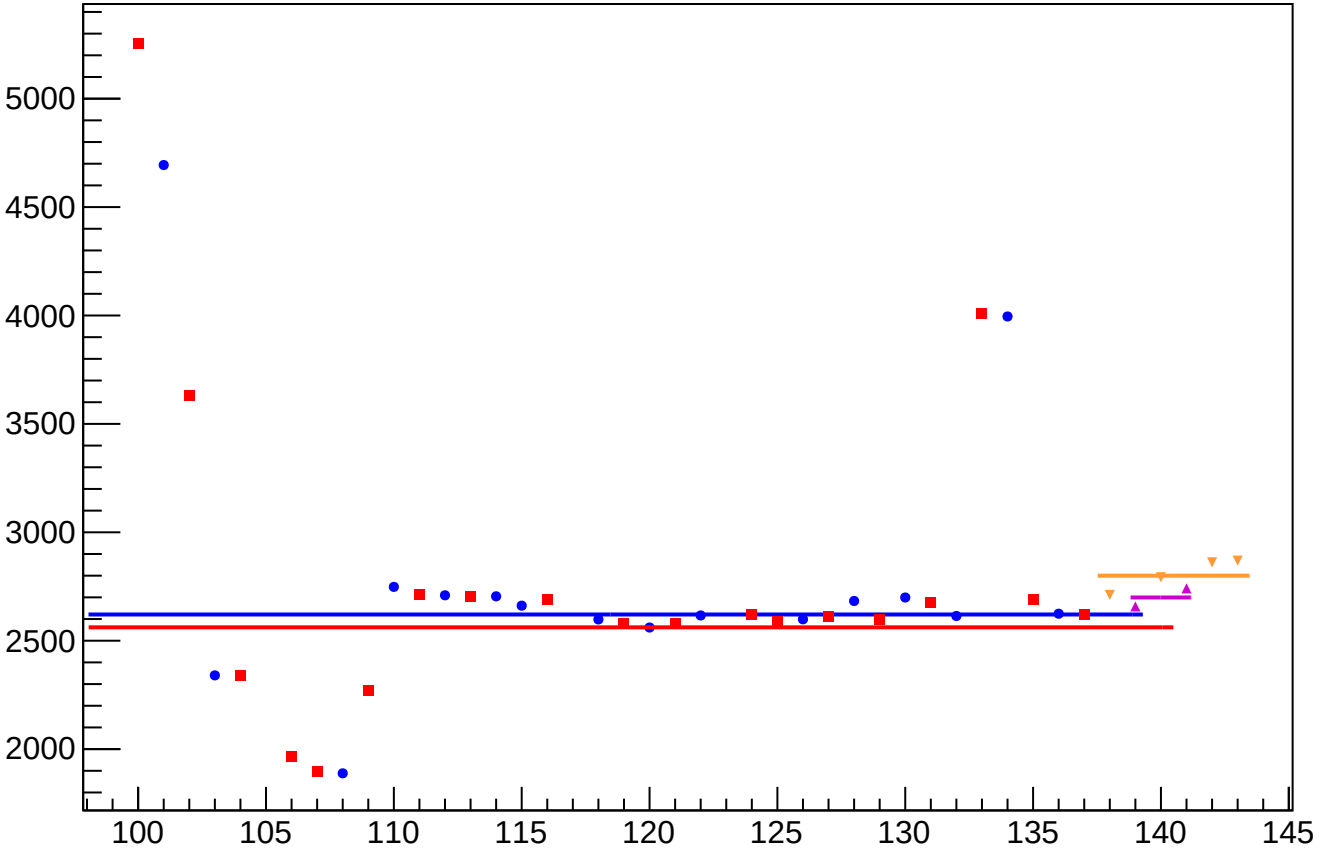
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4555.857+/-892.029 χ^2/NDF:10.7/17

Out: 2305.824+/-833.697 χ^2/NDF:21.6/22

All: 3354.872+/-609.091 χ^2/NDF: 35.7/40

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2799.885+/-1.167 χ^2/NDF:3042.3/3

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2699.436+/-1.451 χ^2/NDF:821.5/1

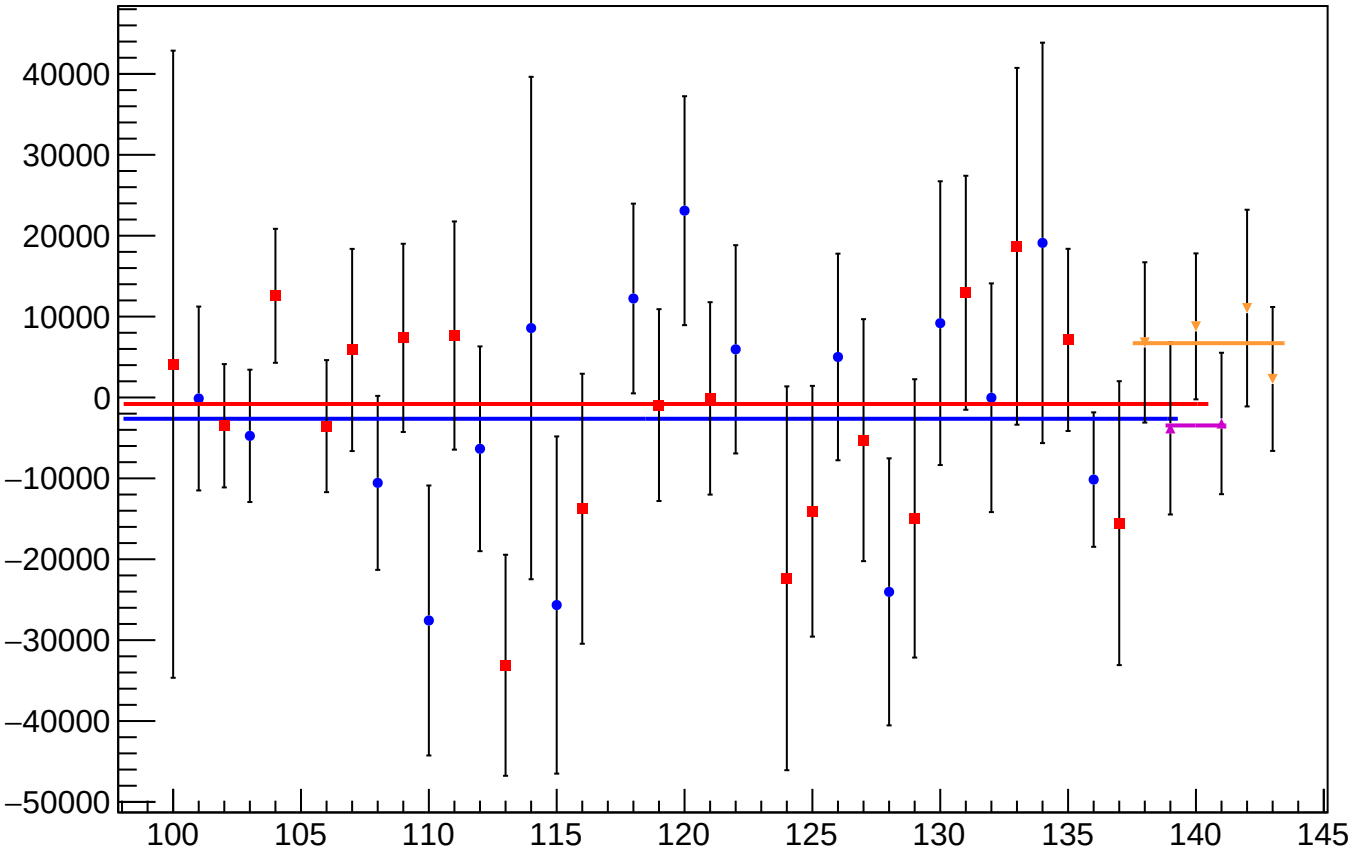
Left: 2760.430+/-0.909 χ^2/NDF: 6774.5/5

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2635.796+/-0.631 χ^2/NDF:489108.1/17

Out: 2622.454+/-0.589 χ^2/NDF:412338.0/22

All: 2628.672+/-0.431 χ^2/NDF: 901685.0/40



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 6711.864+/-4886.913 χ^2/NDF:0.4/3

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: -3457.816+/-6755.386 χ^2/NDF:0.0/1

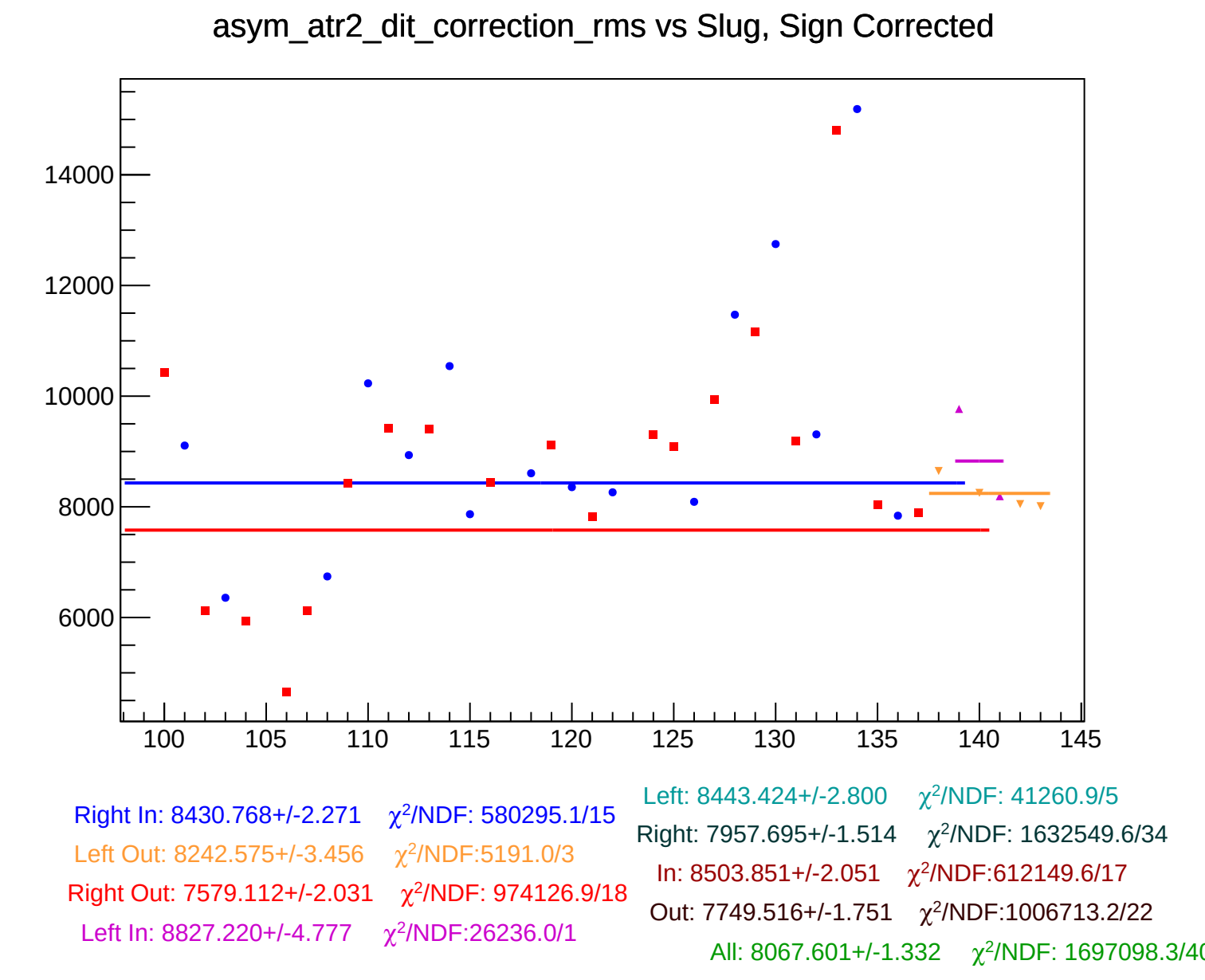
Left: 3218.172+/-3959.486 χ^2/NDF: 1.9/5

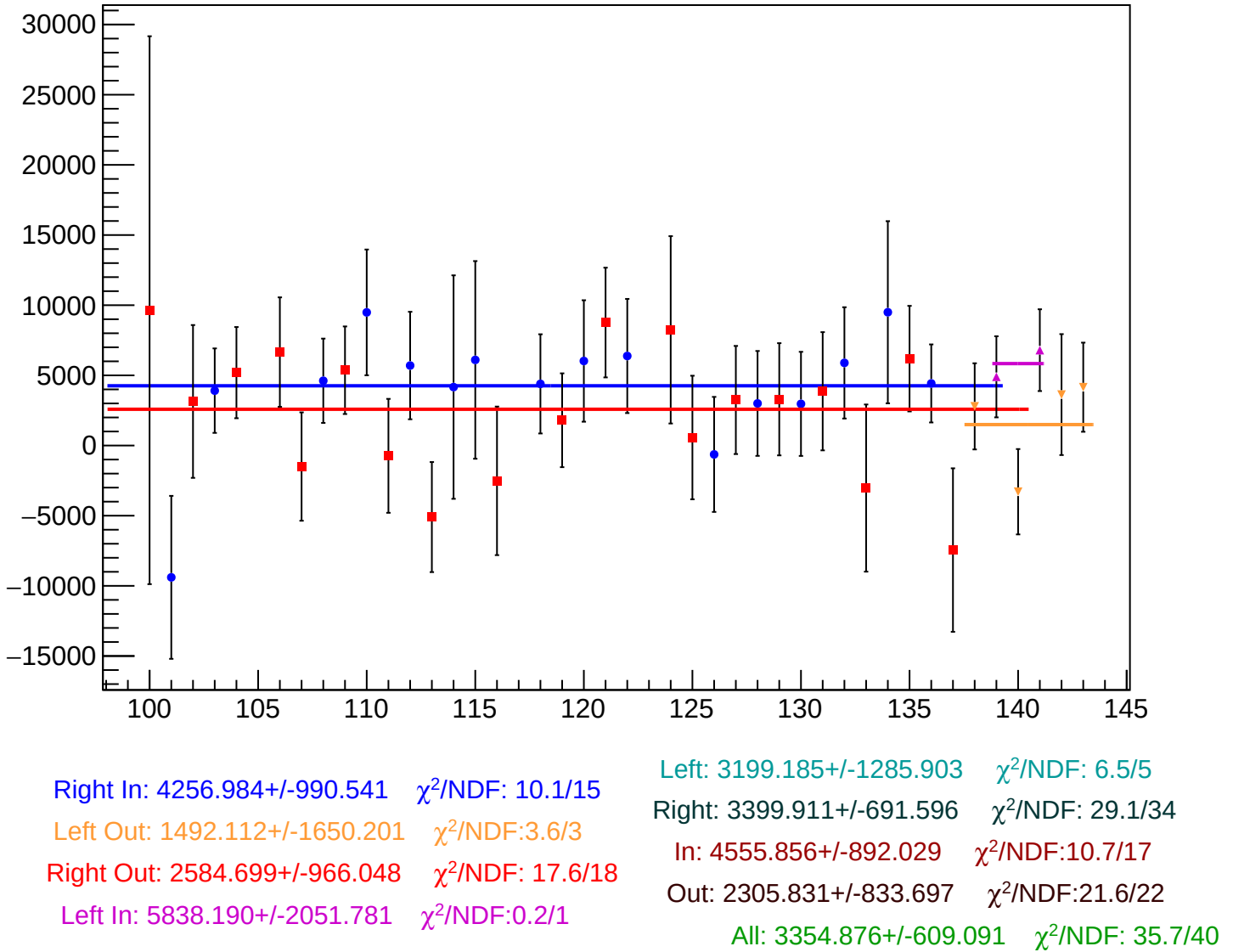
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -2784.168+/-2900.432 χ^2/NDF:13.8/17

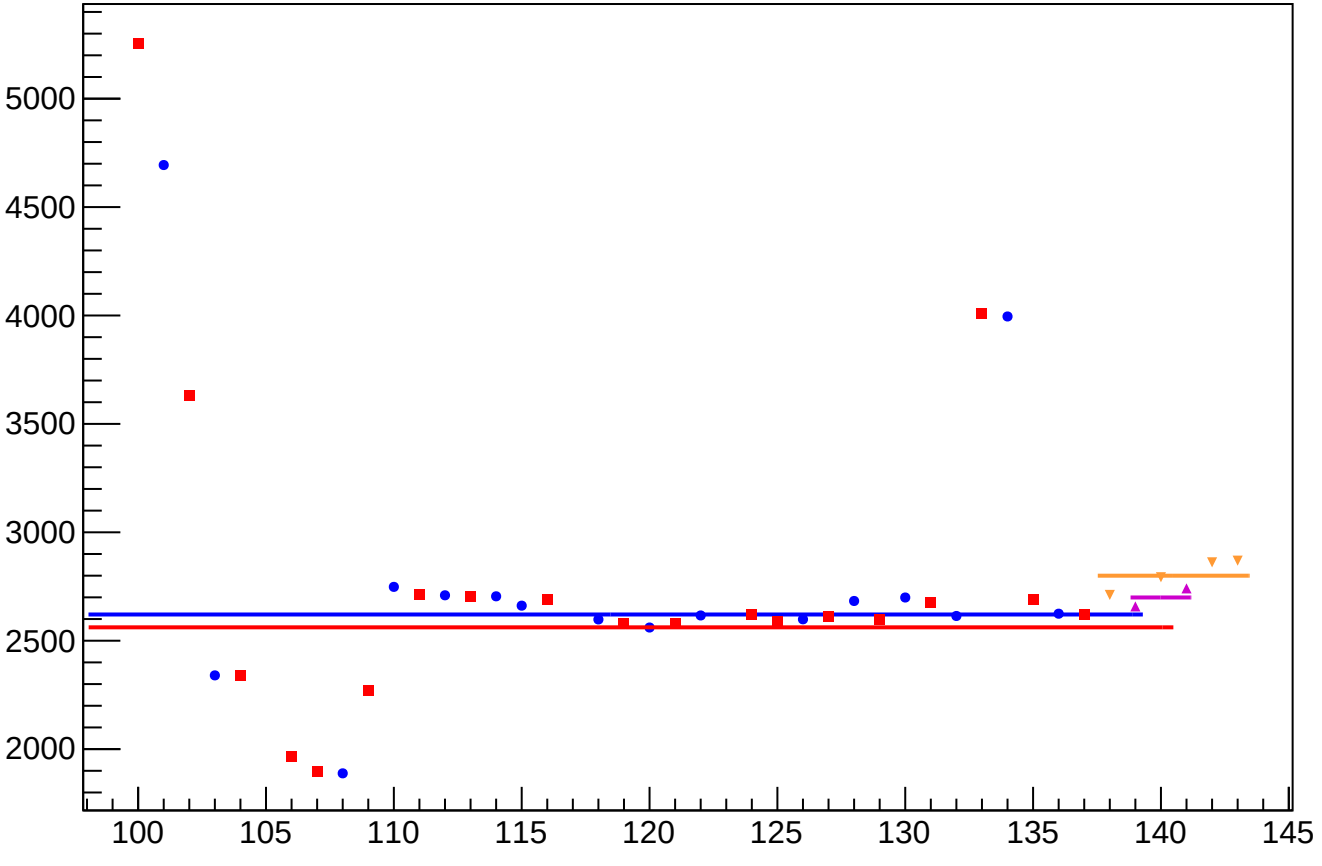
Out: 1127.213+/-2476.661 χ^2/NDF:17.6/22

All: -522.123+/-1883.442 χ^2/NDF: 32.5/40


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
105
110
115
120
125
130
135
140
145
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8242.575+/-3.456 χ²/NDF:5191.0/3
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8827.220+/-4.777 χ²/NDF:26236.0/1
Left: 8443.424+/-2.800 χ²/NDF: 41260.9/5
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8503.851+/-2.051 χ²/NDF:612149.6/17
Out: 7749.516+/-1.751 χ²/NDF:1006713.2/22
All: 8067.601+/-1.332 χ²/NDF: 1697098.3/40


eigen_dit_asym_atr2_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 4256.984+/-990.541 χ²/NDF: 10.1/15
Left Out: 1492.112+/-1650.201 χ²/NDF:3.6/3
Right Out: 2584.699+/-966.048 χ²/NDF: 17.6/18
Left In: 5838.190+/-2051.781 χ²/NDF:0.2/1
Left: 3199.185+/-1285.903 χ²/NDF: 6.5/5
Right: 3399.911+/-691.596 χ²/NDF: 29.1/34
In: 4555.856+/-892.029 χ²/NDF:10.7/17
Out: 2305.831+/-833.697 χ²/NDF:21.6/22
All: 3354.876+/-609.091 χ²/NDF: 35.7/40

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2799.887+/-1.167 χ^2/NDF:3042.4/3

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2699.437+/-1.451 χ^2/NDF:821.4/1

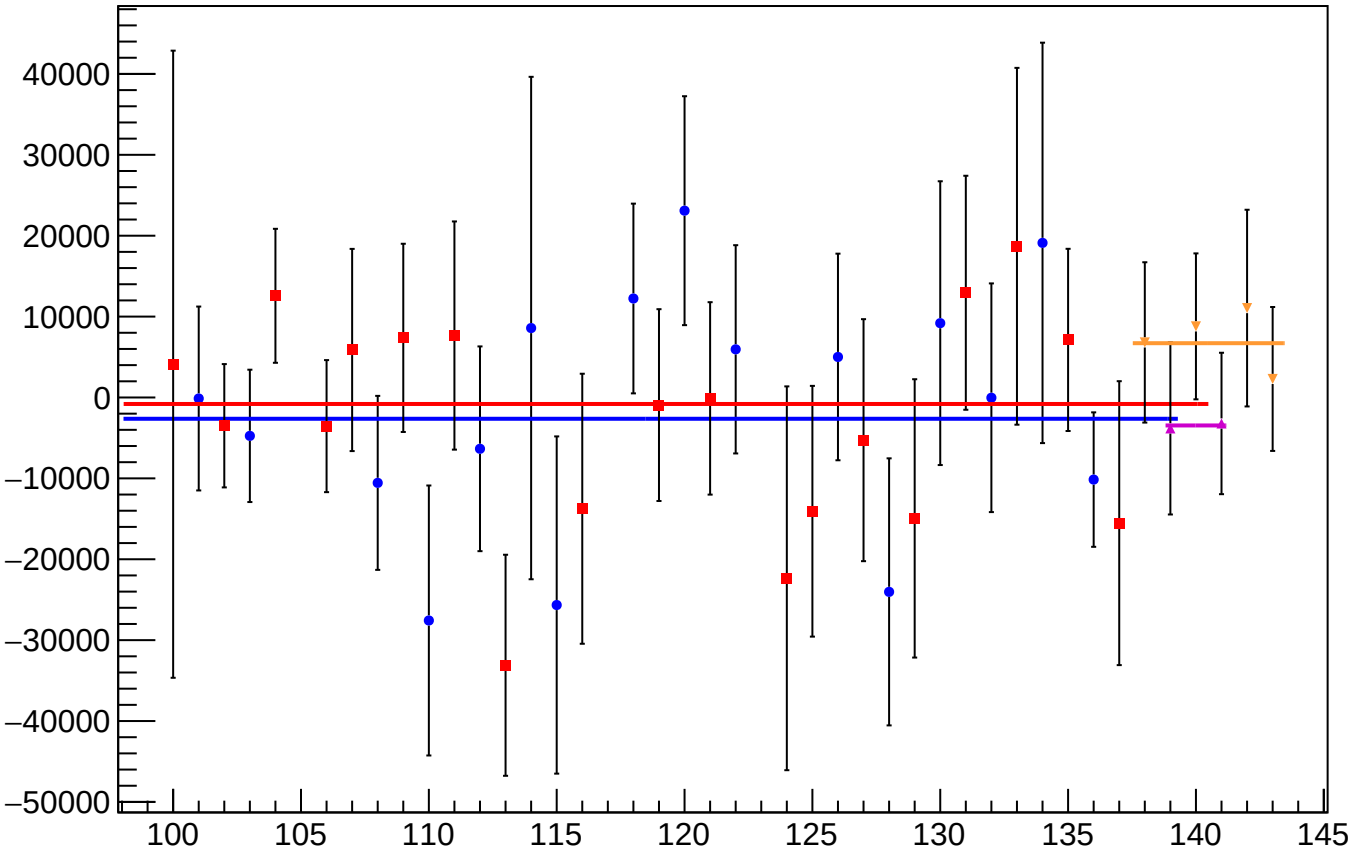
Left: 2760.432+/-0.909 χ^2/NDF: 6774.6/5

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2635.796+/-0.631 χ^2/NDF:489108.4/17

Out: 2622.454+/-0.589 χ^2/NDF:412337.9/22

All: 2628.672+/-0.431 χ^2/NDF: 901685.2/40



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 6711.872+/-4886.919 χ^2/NDF:0.4/3

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: -3457.856+/-6755.391 χ^2/NDF:0.0/1

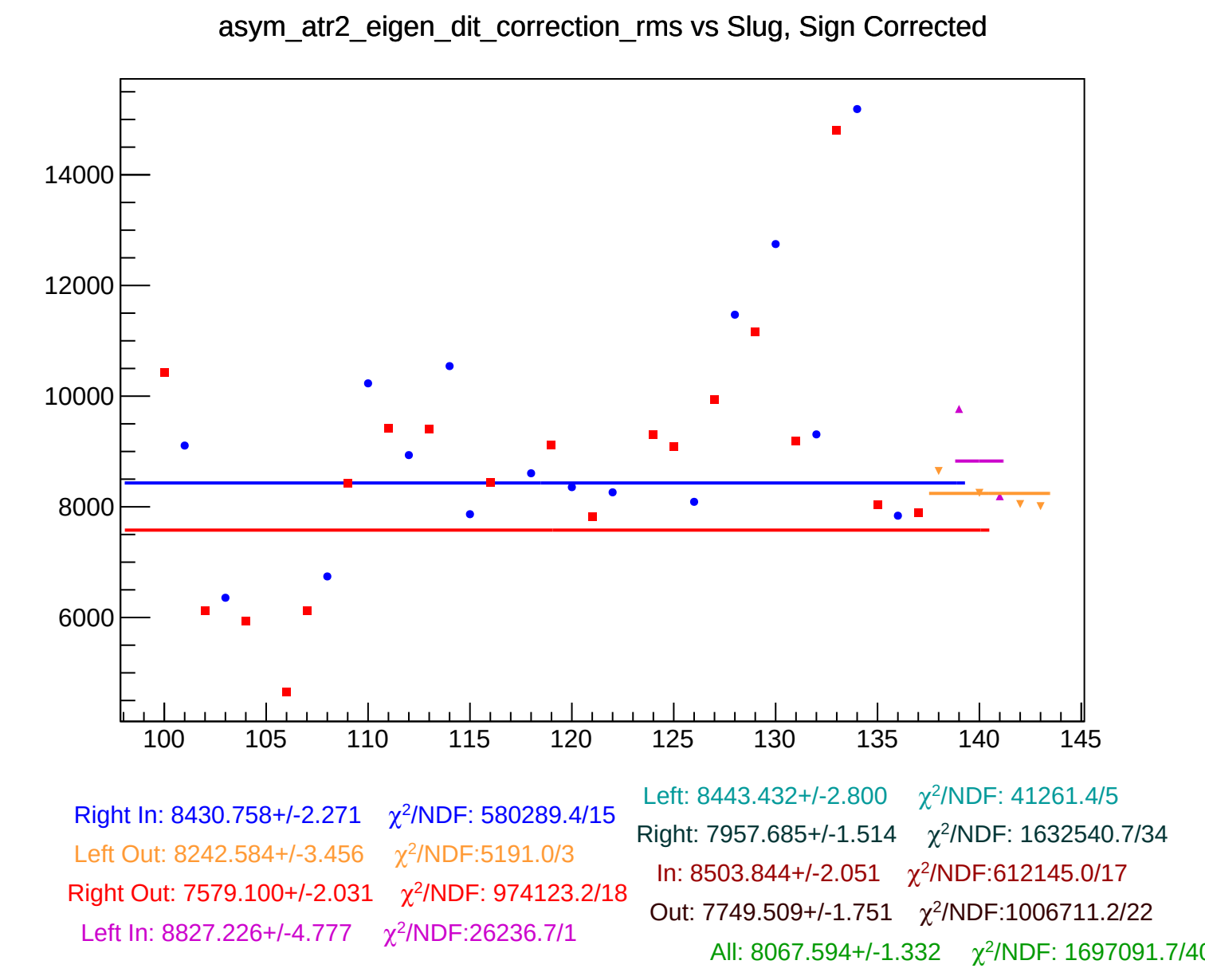
Left: 3218.162+/-3959.490 χ^2/NDF: 1.9/5

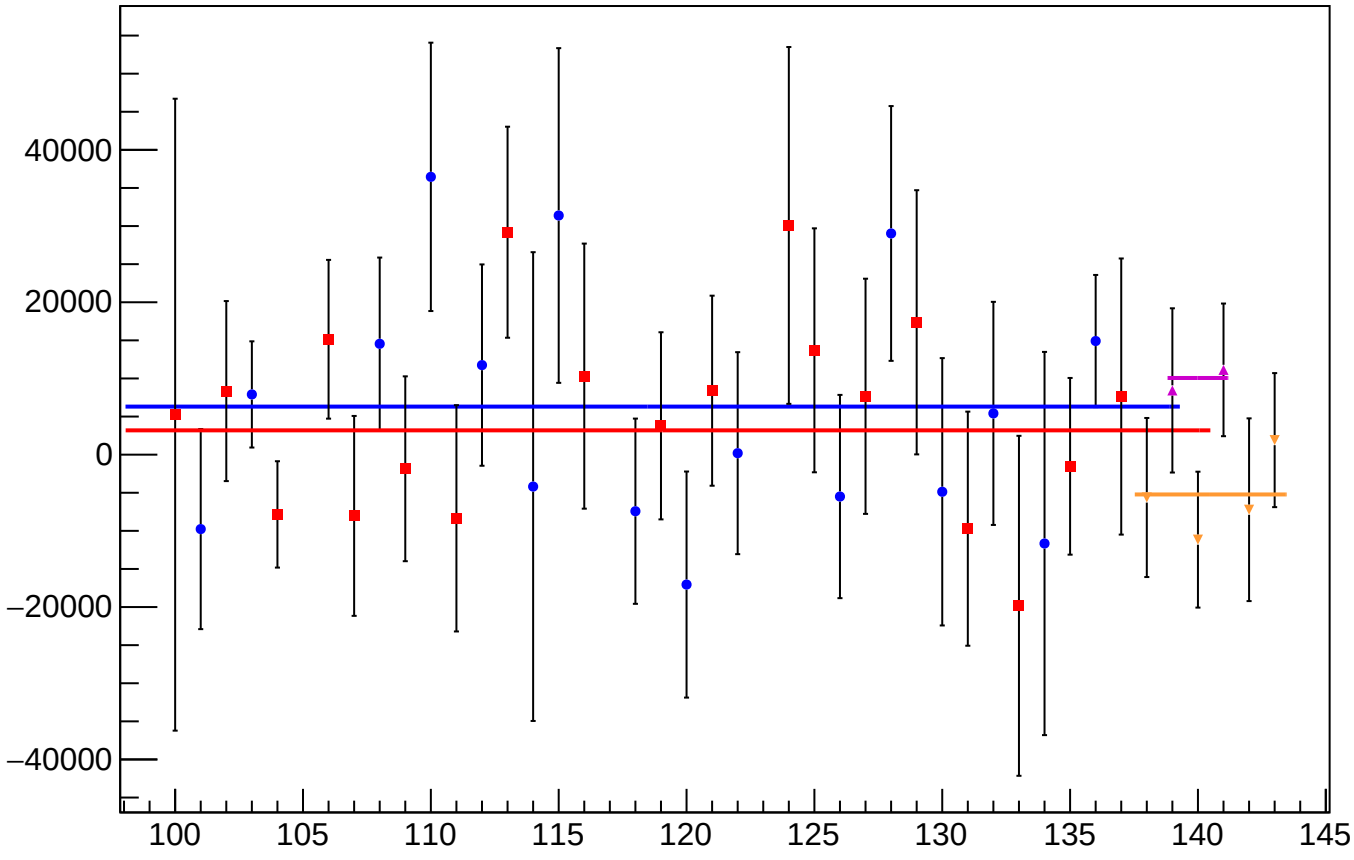
Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -2784.147+/-2900.429 χ^2/NDF:13.8/17

Out: 1127.210+/-2476.659 χ^2/NDF:17.6/22

All: -522.116+/-1883.440 χ^2/NDF: 32.5/40


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
105
110
115
120
125
130
135
140
145
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 8242.584+/-3.456 χ²/NDF:5191.0/3
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 8827.226+/-4.777 χ²/NDF:26236.7/1
Left: 8443.432+/-2.800 χ²/NDF: 41261.4/5
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8503.844+/-2.051 χ²/NDF:612145.0/17
Out: 7749.509+/-1.751 χ²/NDF:1006711.2/22
All: 8067.594+/-1.332 χ²/NDF: 1697091.7/40



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5223.108+/-4900.898 χ^2/NDF:1.1/3

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: 31.476+/-3970.175 χ^2/NDF: 4.5/5

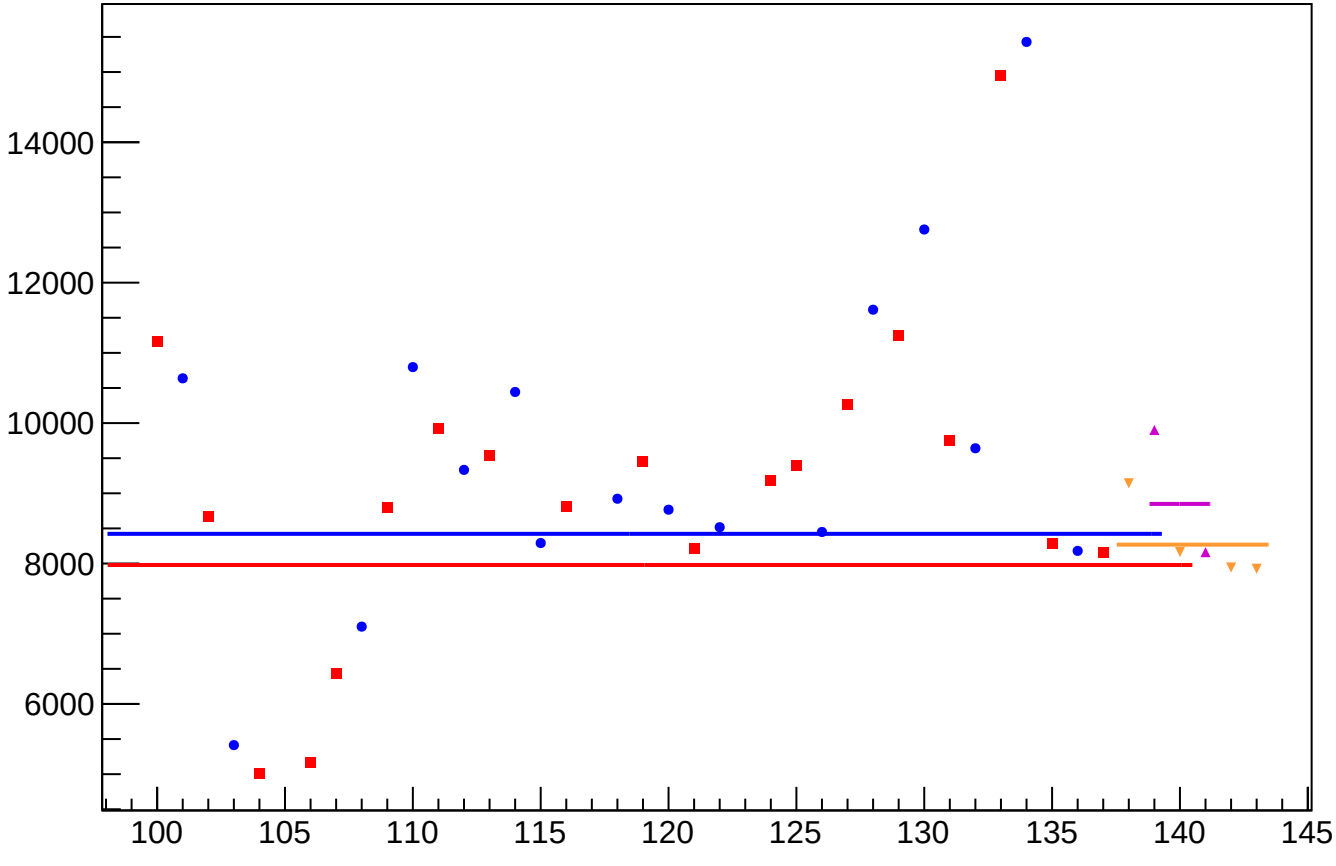
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 7006.597+/-2922.455 χ^2/NDF:15.4/17

Out: 820.109+/-2600.873 χ^2/NDF:17.1/22

All: 3554.378+/-1942.881 χ^2/NDF: 35.0/40

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8269.033+/-3.465 χ^2/NDF:18820.3/3

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8848.889+/-4.788 χ^2/NDF:31566.0/1

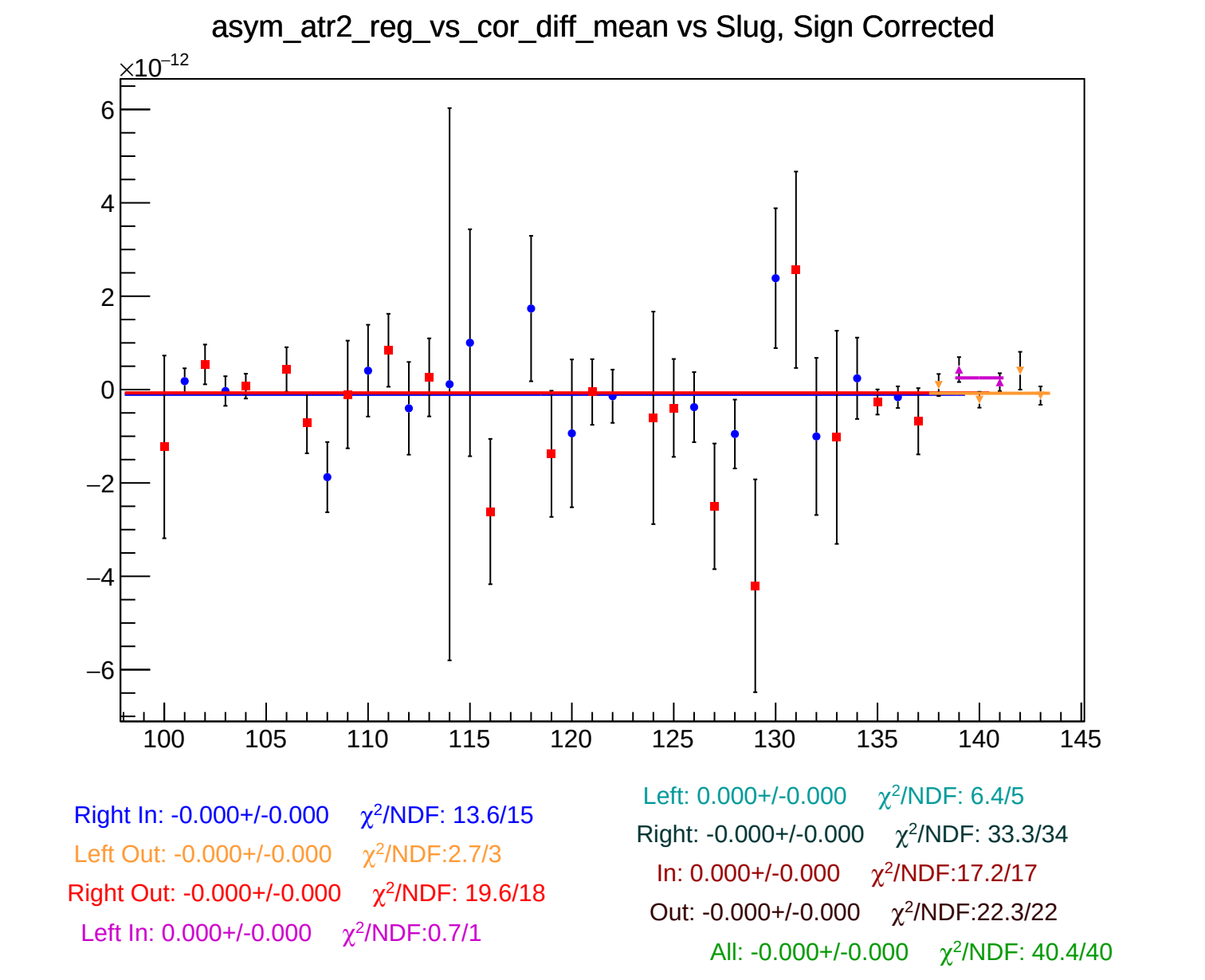
Left: 8468.360+/-2.807 χ^2/NDF: 60010.5/5

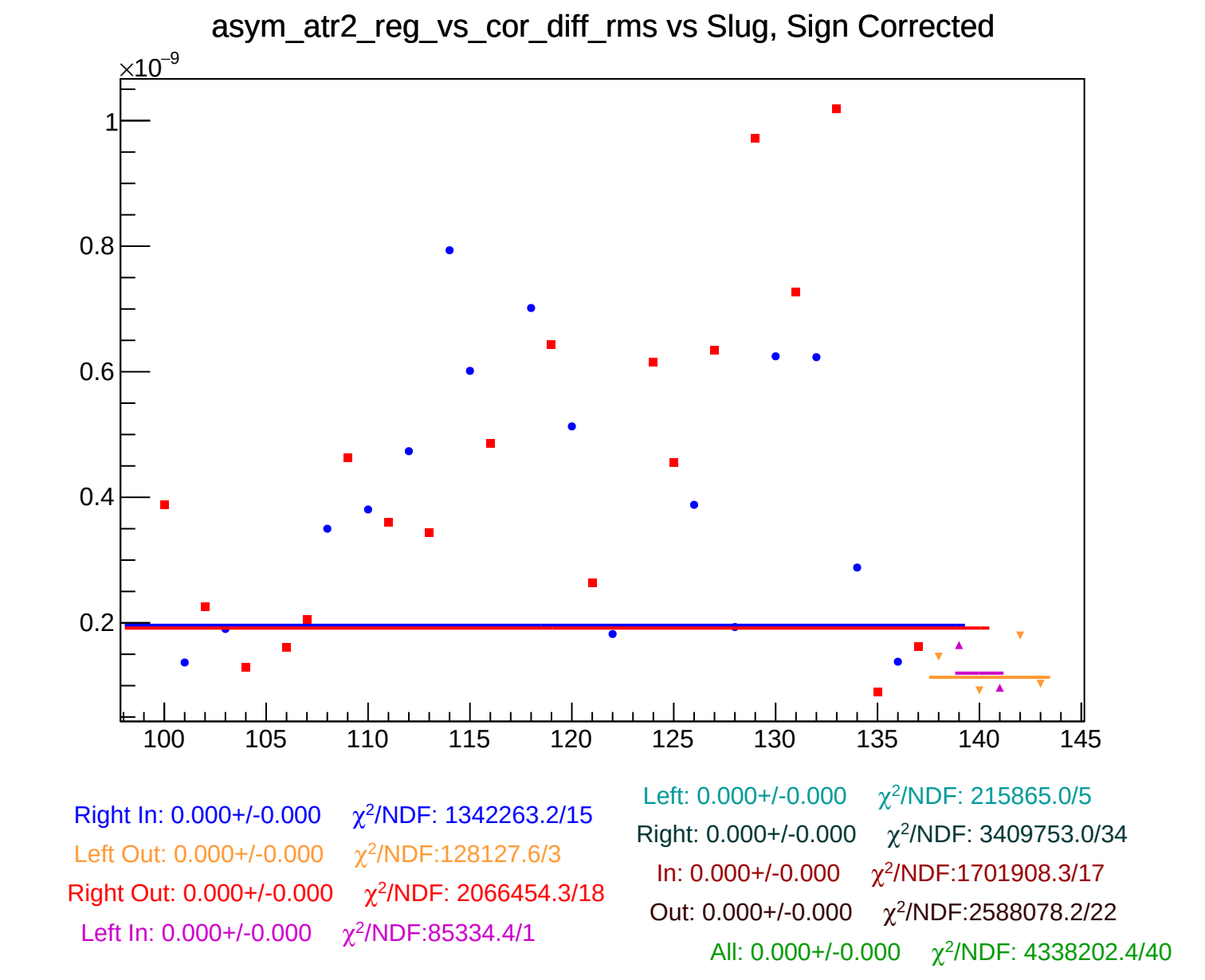
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

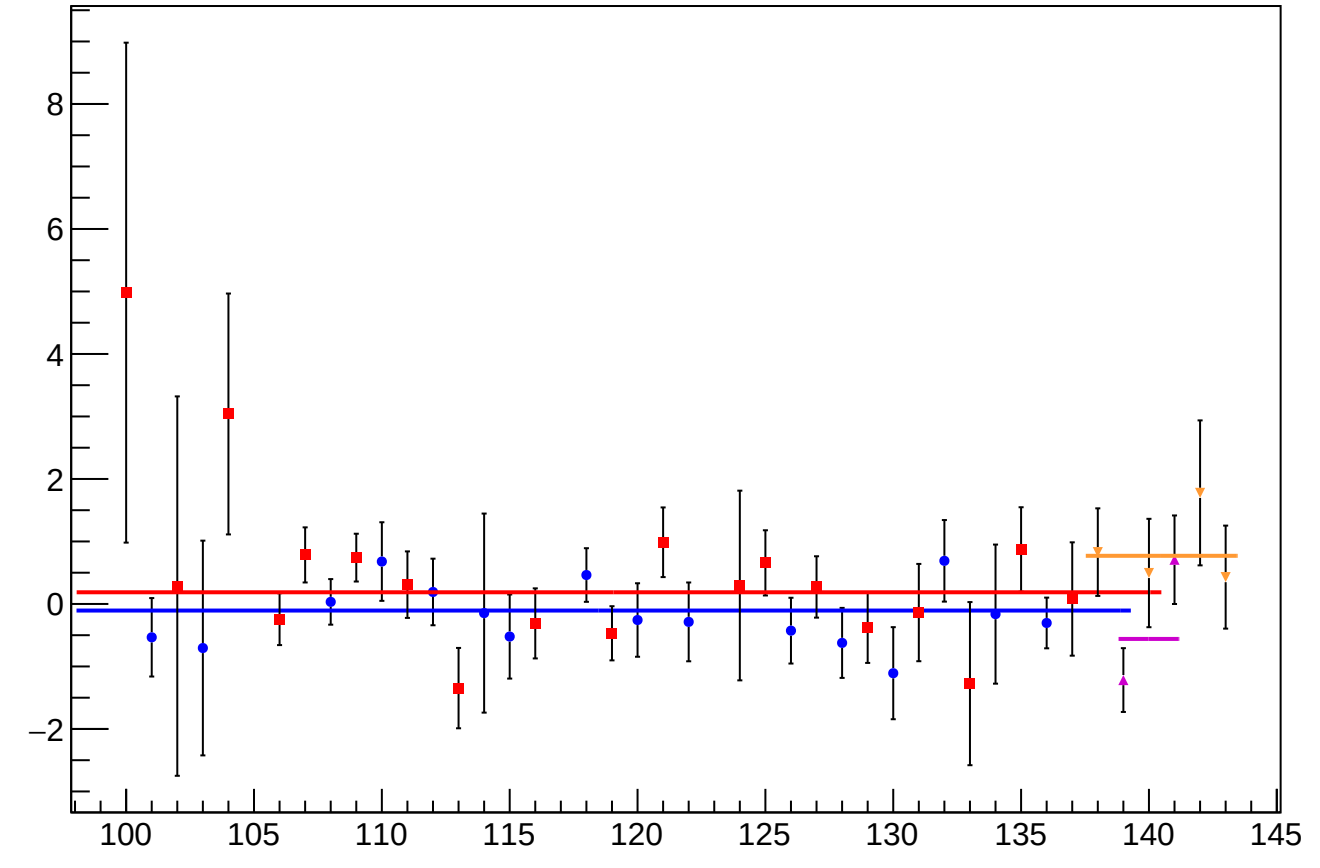
In: 8502.097+/-2.066 χ^2/NDF:919846.2/17

Out: 8060.679+/-1.839 χ^2/NDF:1039871.2/22

All: 8255.771+/-1.374 χ^2/NDF: 1985179.4/40


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.7/3
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:0.7/1
Left: 0.000+/-0.000 χ²/NDF: 6.4/5
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:17.2/17
Out: -0.000+/-0.000 χ²/NDF:22.3/22
All: -0.000+/-0.000 χ²/NDF: 40.4/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:128127.6/3
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: 215865.0/5
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:2588078.2/22
All: 0.000+/-0.000 χ²/NDF: 4338202.4/40



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

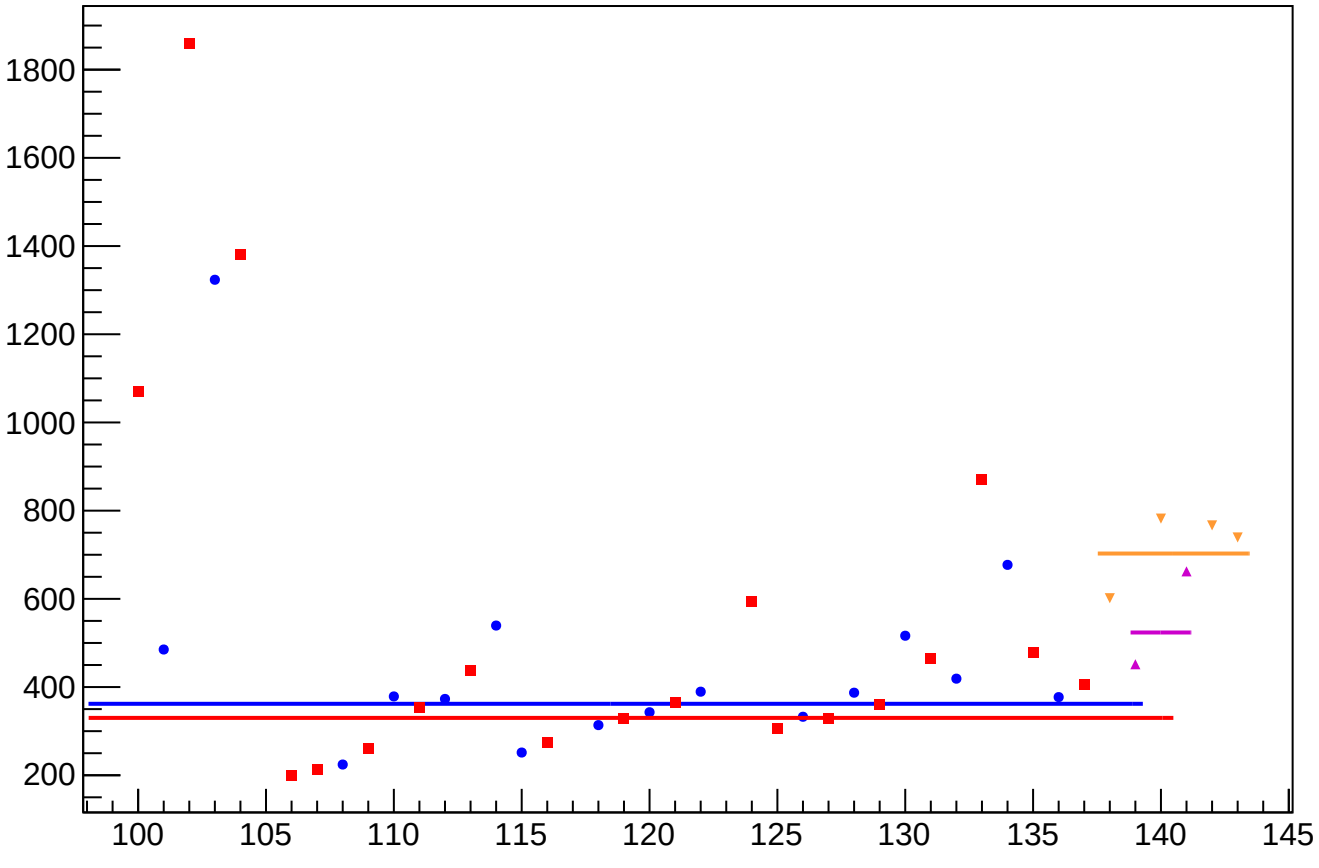
Left: 0.091+/-0.296 χ^2/NDF: 10.9/5

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.053+/-0.094 χ^2/NDF: 46.7/40



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 702.778+/-0.299 χ^2/NDF:68482.1/3

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 523.728+/-0.293 χ^2/NDF:116379.8/1

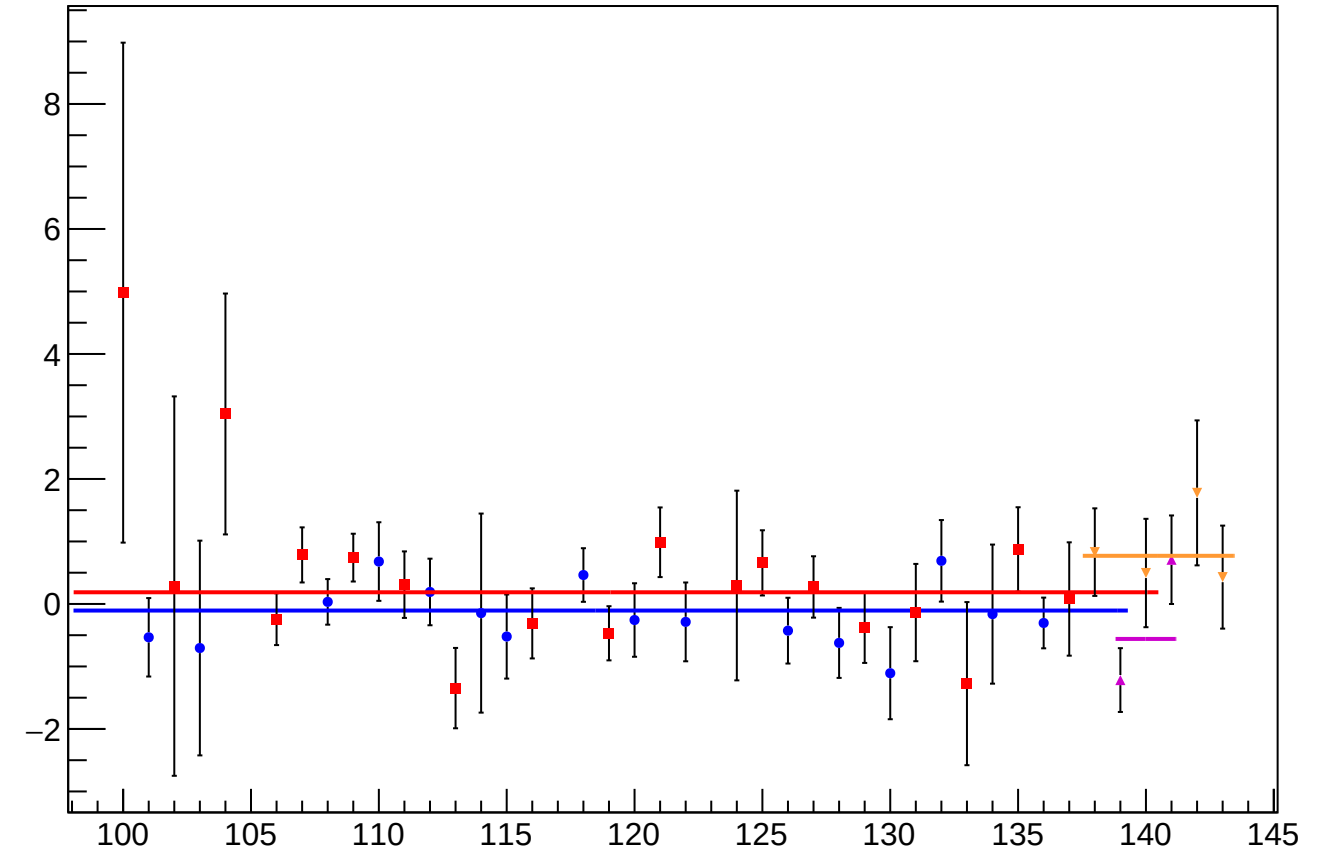
Left: 611.309+/-0.209 χ^2/NDF: 367715.7/5

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 379.625+/-0.097 χ^2/NDF:1765402.9/17

Out: 365.622+/-0.092 χ^2/NDF:3717921.8/22

All: 372.315+/-0.067 χ^2/NDF: 5494296.7/40



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

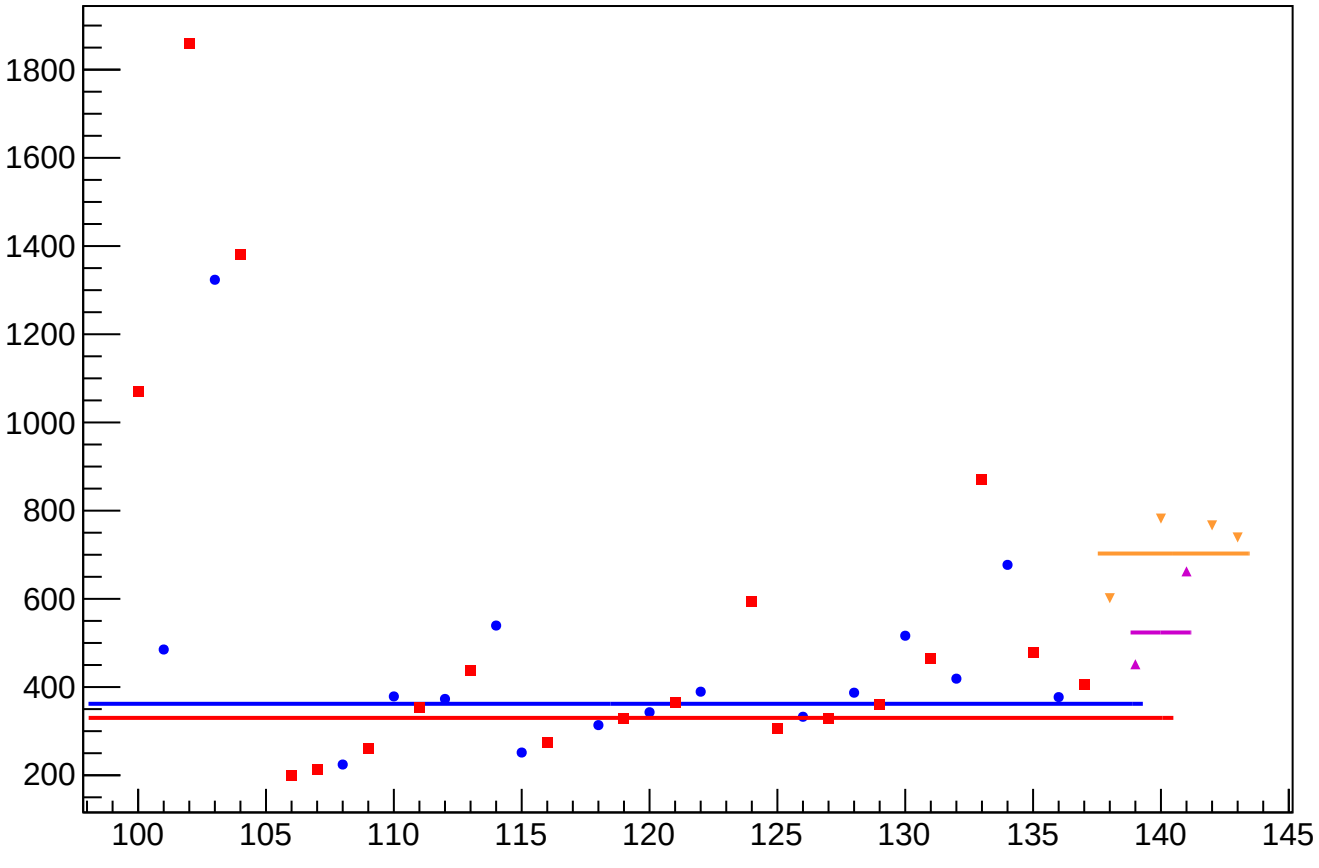
Left: 0.091+/-0.296 χ^2/NDF: 10.9/5

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.053+/-0.094 χ^2/NDF: 46.7/40



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 702.778+/-0.299 χ^2/NDF:68482.1/3

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 523.728+/-0.293 χ^2/NDF:116379.8/1

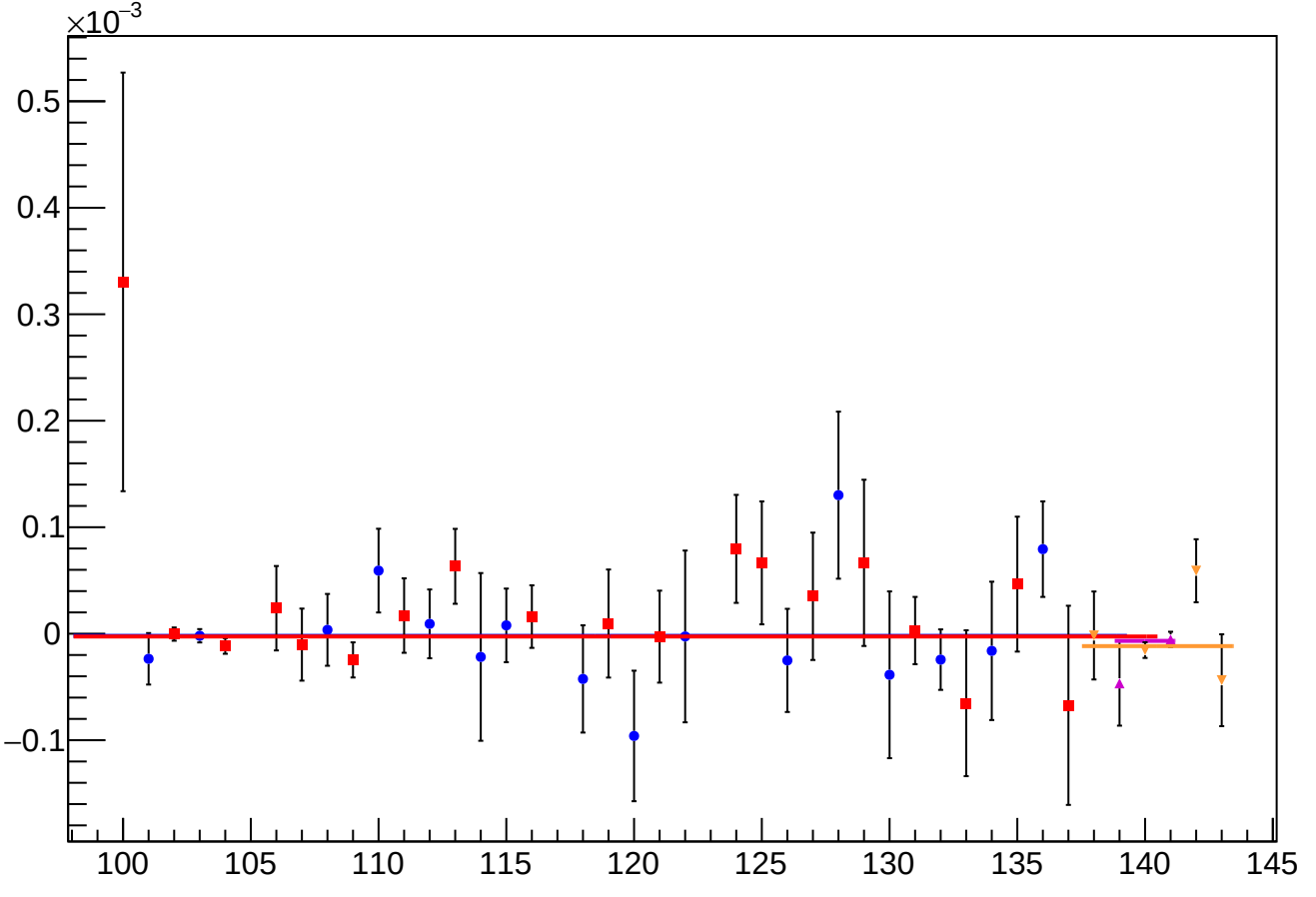
Left: 611.309+/-0.209 χ^2/NDF: 367715.7/5

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 379.625+/-0.097 χ^2/NDF:1765402.9/17

Out: 365.622+/-0.092 χ^2/NDF:3717921.8/22

All: 372.315+/-0.067 χ^2/NDF: 5494296.7/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

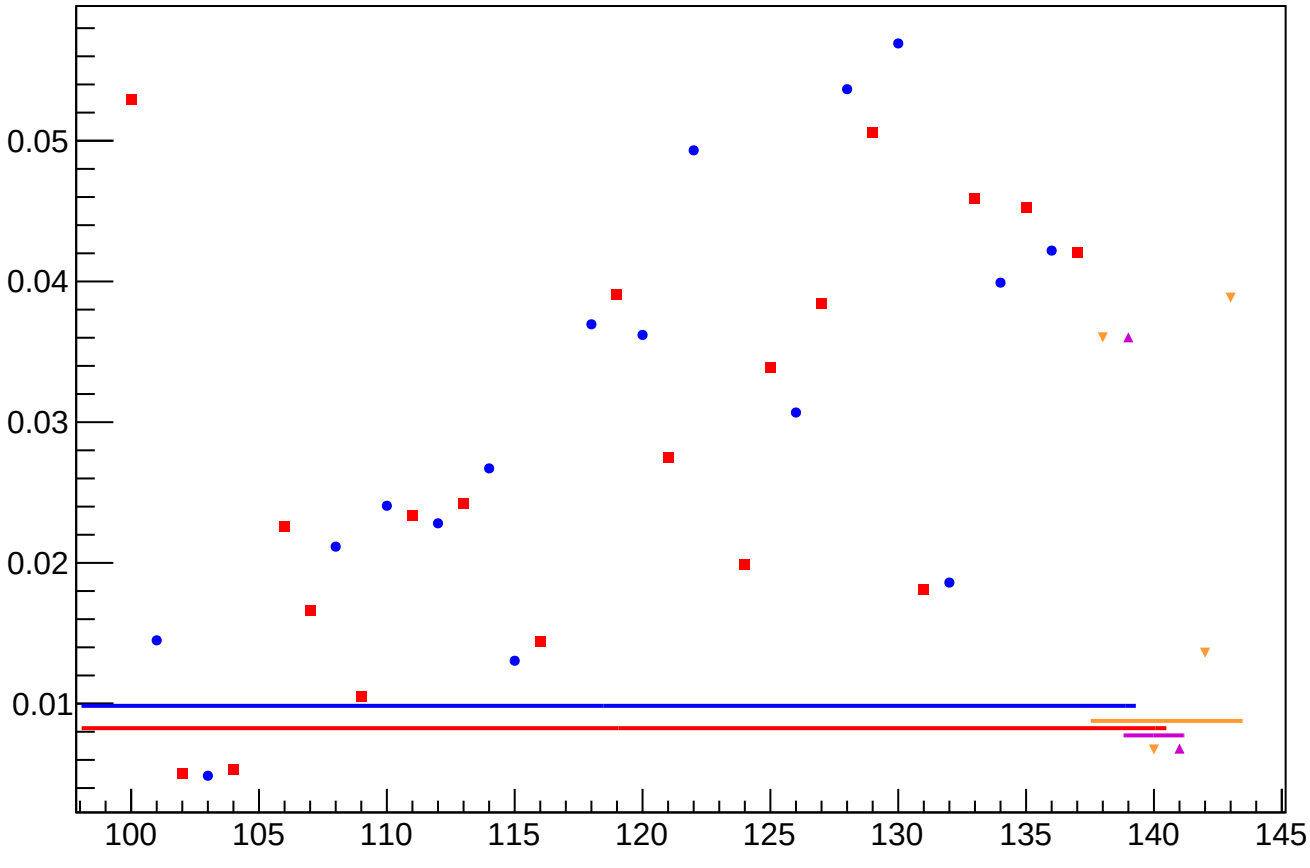
Left: -0.000+/-0.000 χ^2/NDF: 7.9/5

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:26.0/22

All: -0.000+/-0.000 χ^2/NDF: 41.2/40



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:2049490.1/3

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.008+/-0.000 χ^2/NDF:1045615.1/1

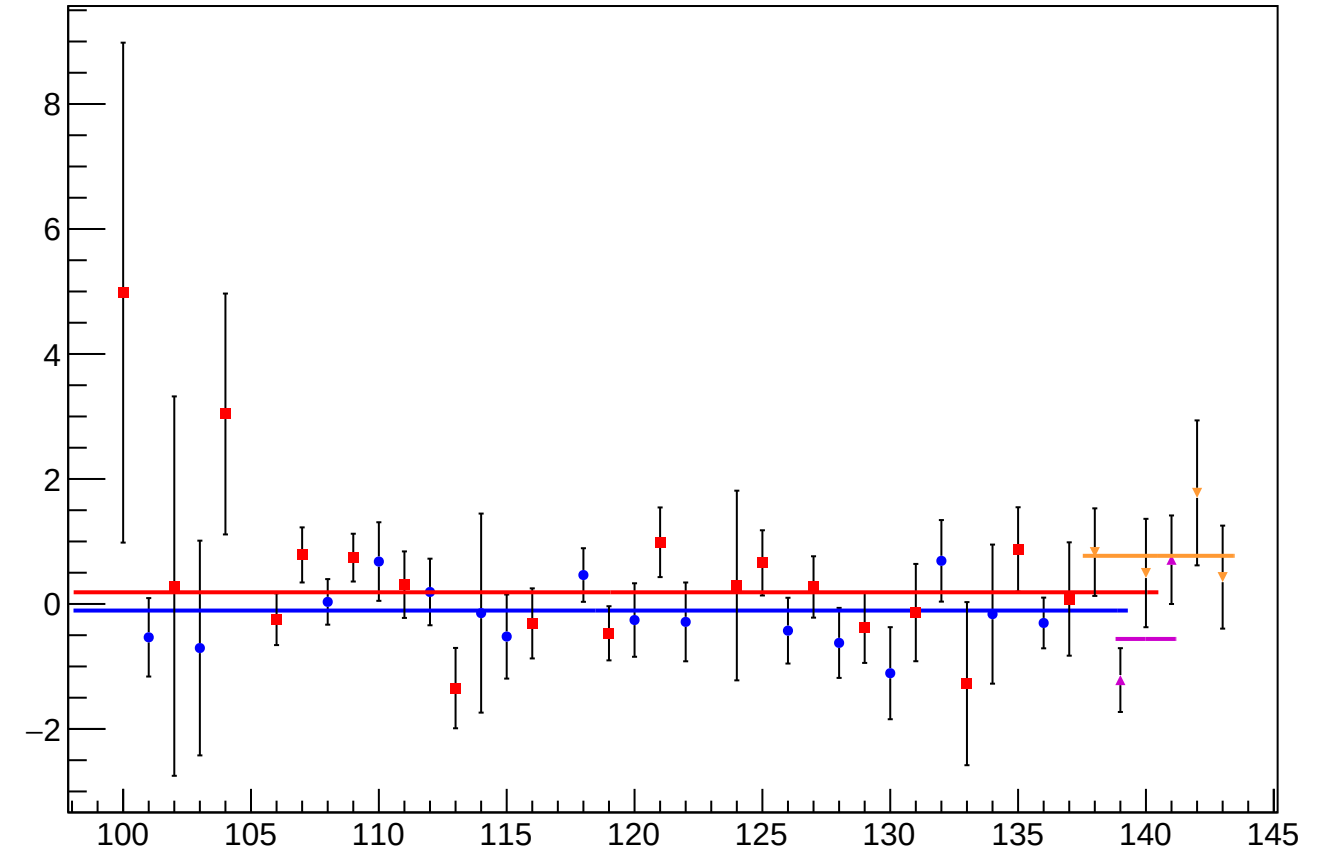
Left: 0.008+/-0.000 χ^2/NDF: 3116665.4/5

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:8798593.3/22

All: 0.009+/-0.000 χ^2/NDF: 17036091.5/40



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

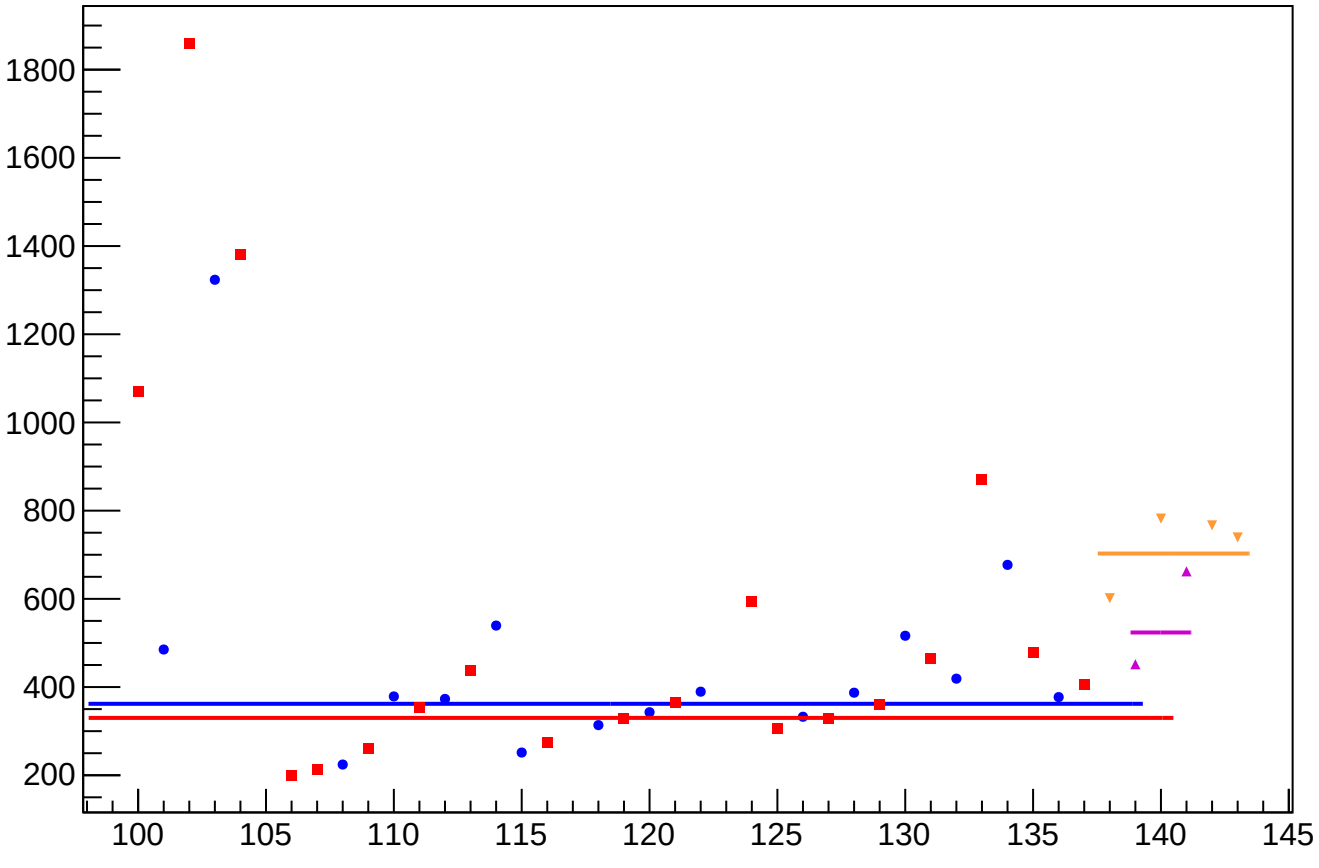
Left: 0.091+/-0.296 χ^2/NDF: 10.9/5

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.053+/-0.094 χ^2/NDF: 46.7/40



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 702.787+/-0.299 χ^2/NDF:68475.4/3

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: 611.316+/-0.209 χ^2/NDF: 367698.6/5

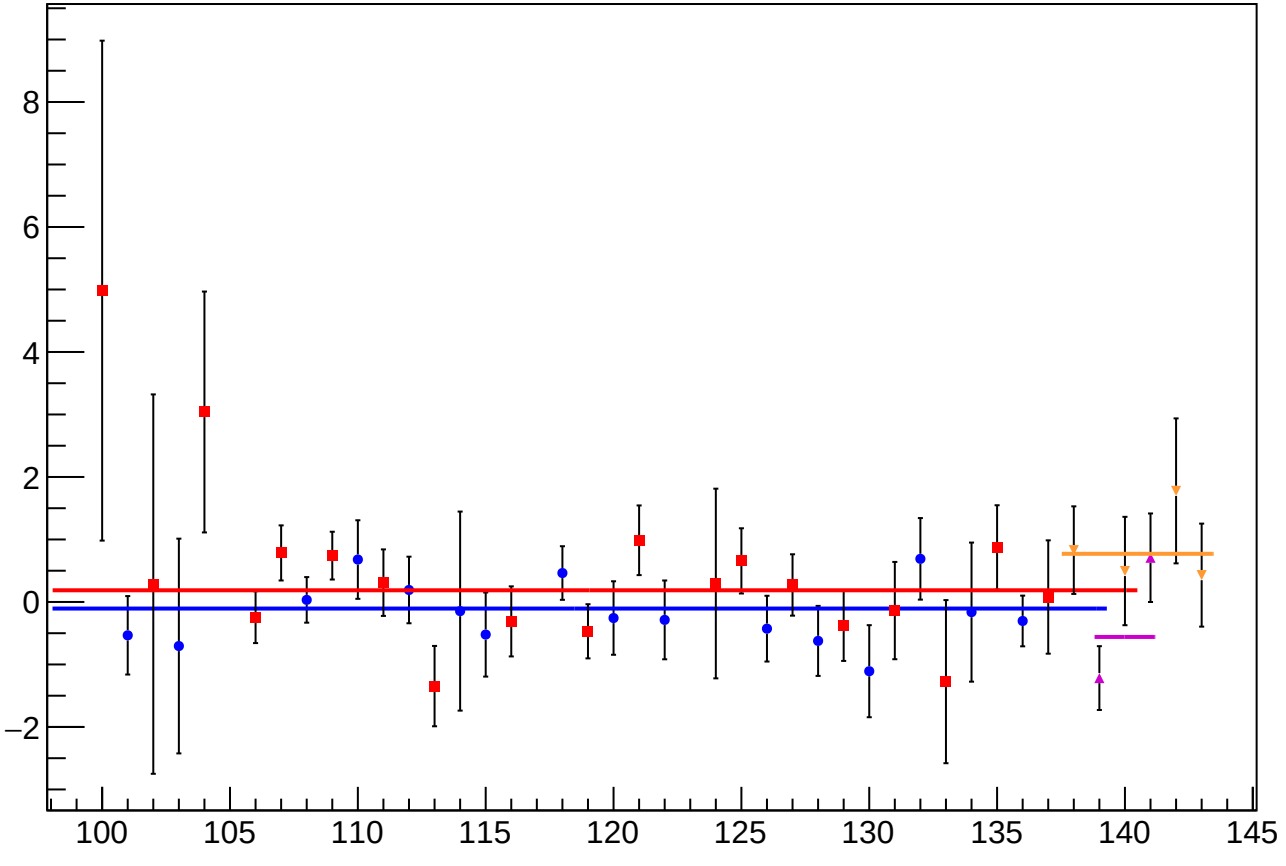
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 379.622+/-0.097 χ^2/NDF:1765419.5/17

Out: 365.621+/-0.092 χ^2/NDF:3717953.8/22

All: 372.313+/-0.067 χ^2/NDF: 5494344.1/40

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: 0.770+/-0.423 χ^2/NDF:1.0/3

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.560+/-0.414 χ^2/NDF:4.9/1

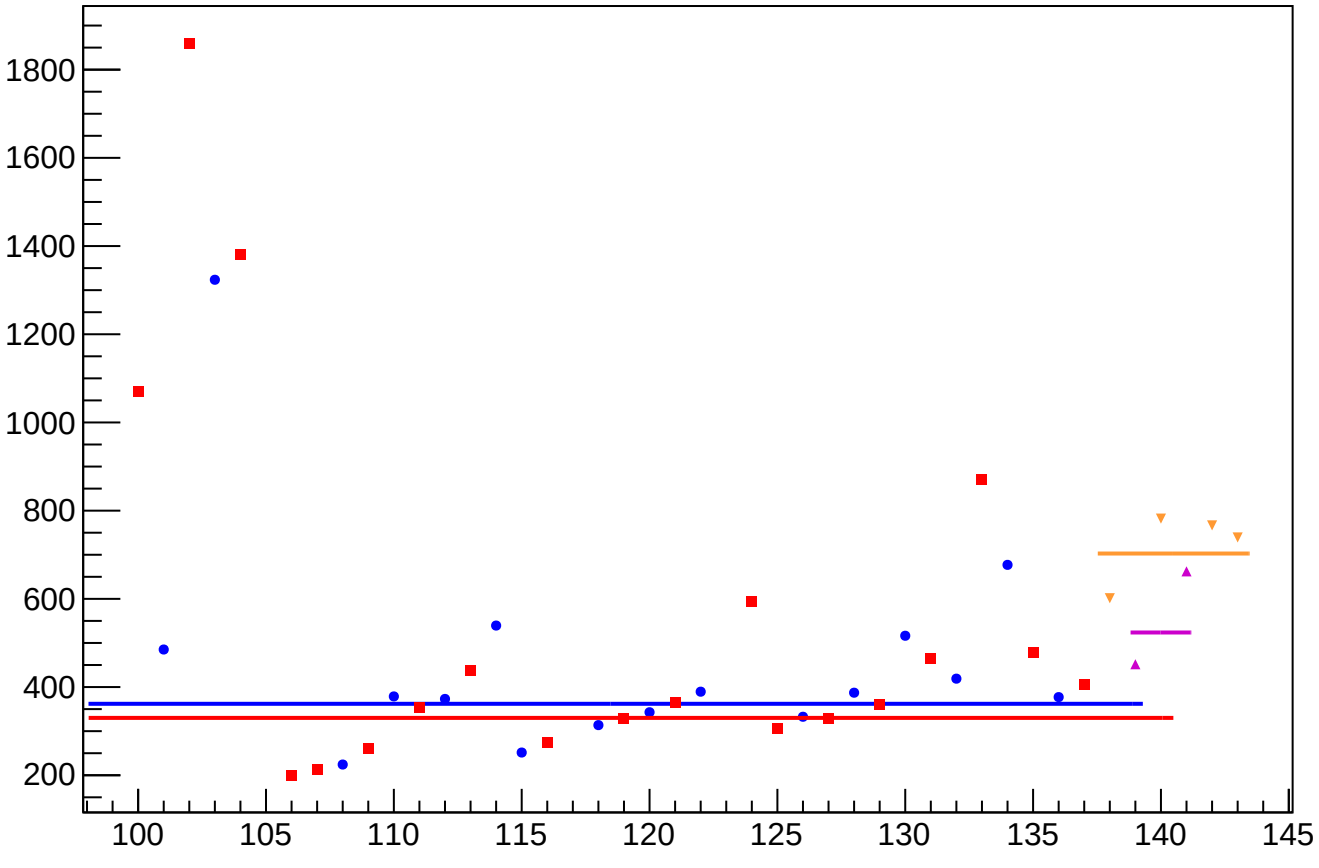
Left: 0.091+/-0.296 χ^2/NDF: 10.9/5

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.155+/-0.137 χ^2/NDF:15.6/17

Out: 0.243+/-0.131 χ^2/NDF:26.6/22

All: 0.053+/-0.094 χ^2/NDF: 46.7/40



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 702.787+/-0.299 χ^2/NDF:68475.4/3

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 523.734+/-0.293 χ^2/NDF:116368.1/1

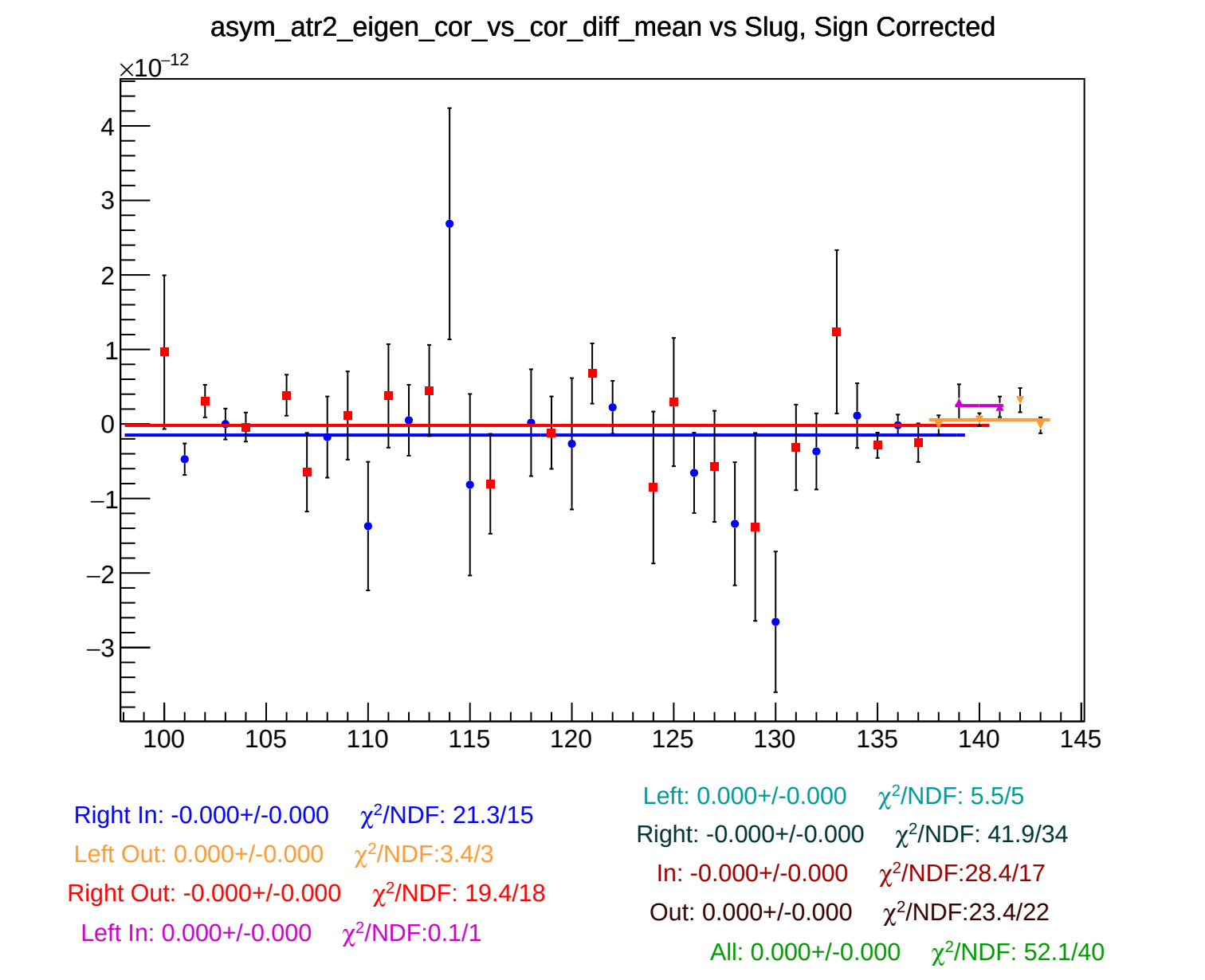
Left: 611.316+/-0.209 χ^2/NDF: 367698.6/5

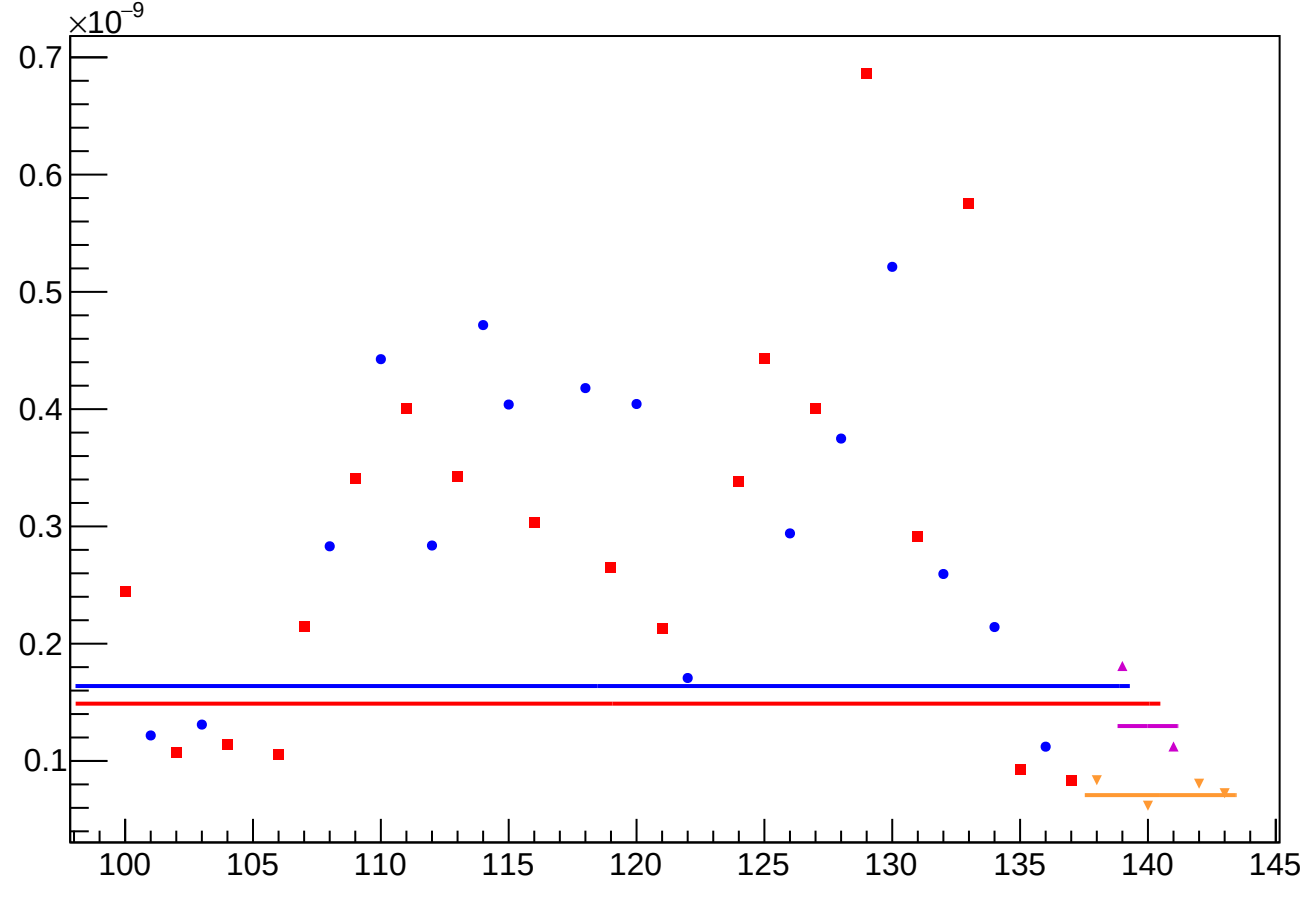
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 379.622+/-0.097 χ^2/NDF:1765419.5/17

Out: 365.621+/-0.092 χ^2/NDF:3717953.8/22

All: 372.313+/-0.067 χ^2/NDF: 5494344.1/40


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:0.1/1
Left: 0.000+/-0.000 χ²/NDF: 5.5/5
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:28.4/17
Out: 0.000+/-0.000 χ²/NDF:23.4/22
All: 0.000+/-0.000 χ²/NDF: 52.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:49038.9/3

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: 571330.0/5

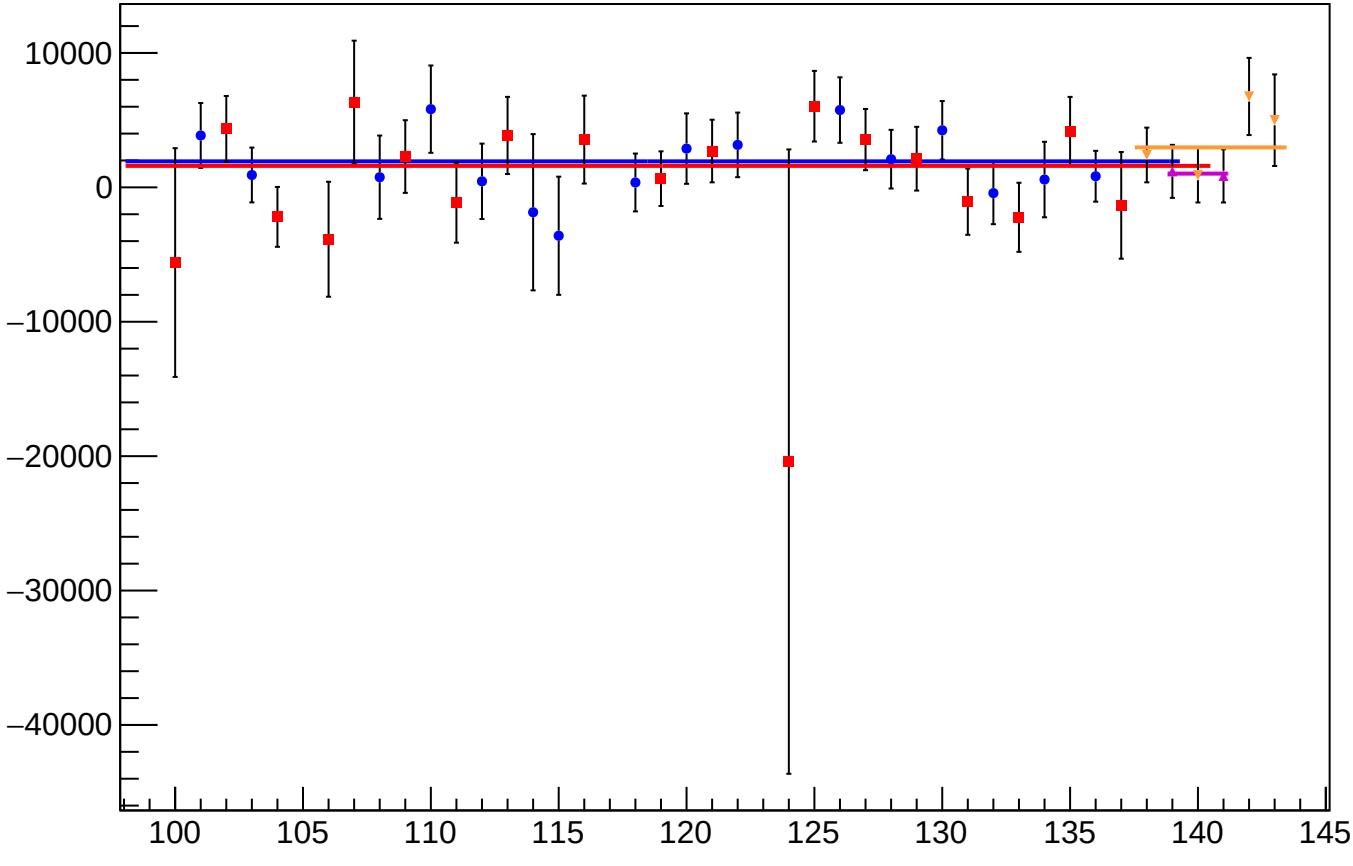
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2241829.5/17

Out: 0.000+/-0.000 χ^2/NDF:4101296.4/22

All: 0.000+/-0.000 χ^2/NDF: 7259184.8/40

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.285+/-1203.531 χ^2/NDF:3.2/3

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: 2142.253+/-911.976 χ^2/NDF: 4.3/5

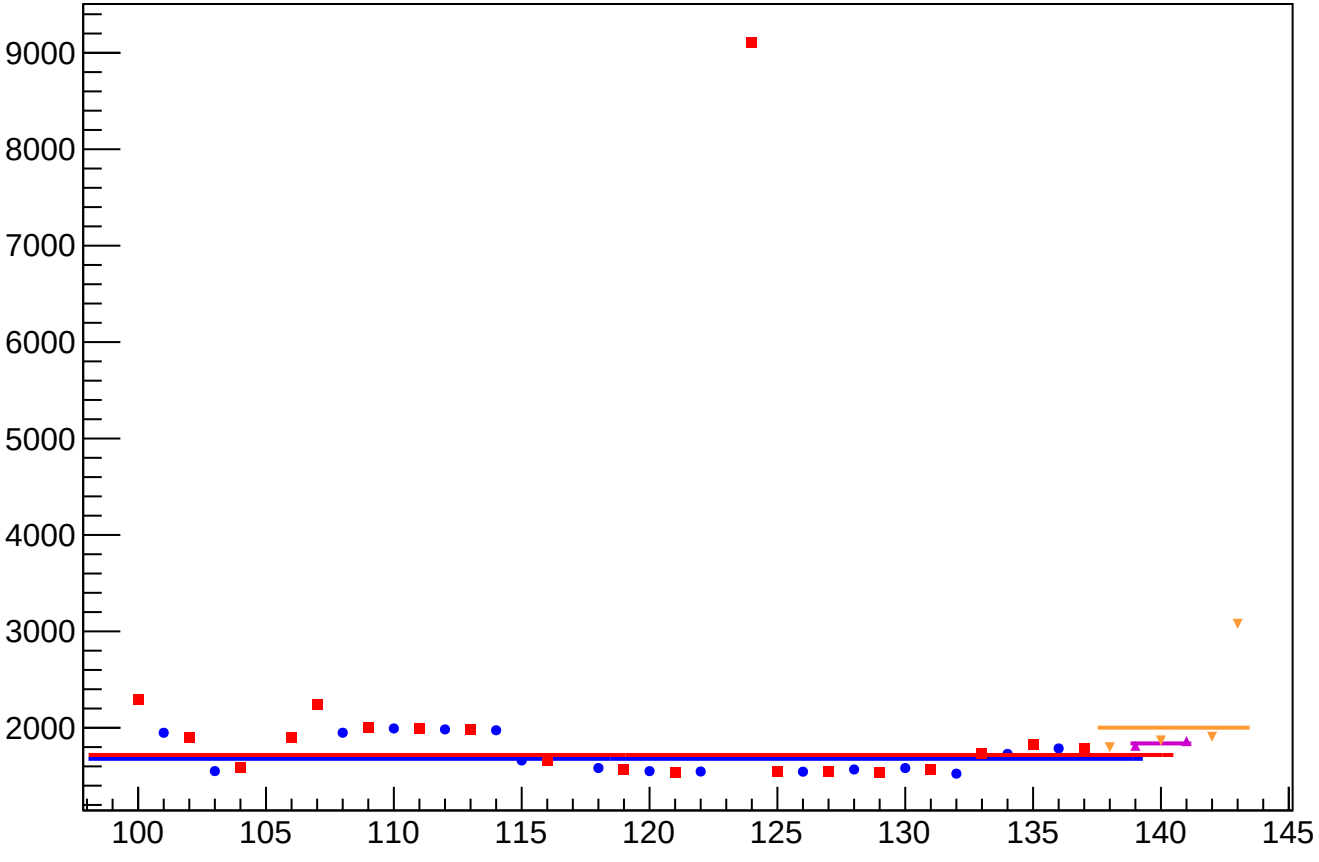
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1781.636+/-572.730 χ^2/NDF:11.3/17

Out: 1902.547+/-566.590 χ^2/NDF:23.6/22

All: 1842.743+/-402.793 χ^2/NDF: 34.9/40

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

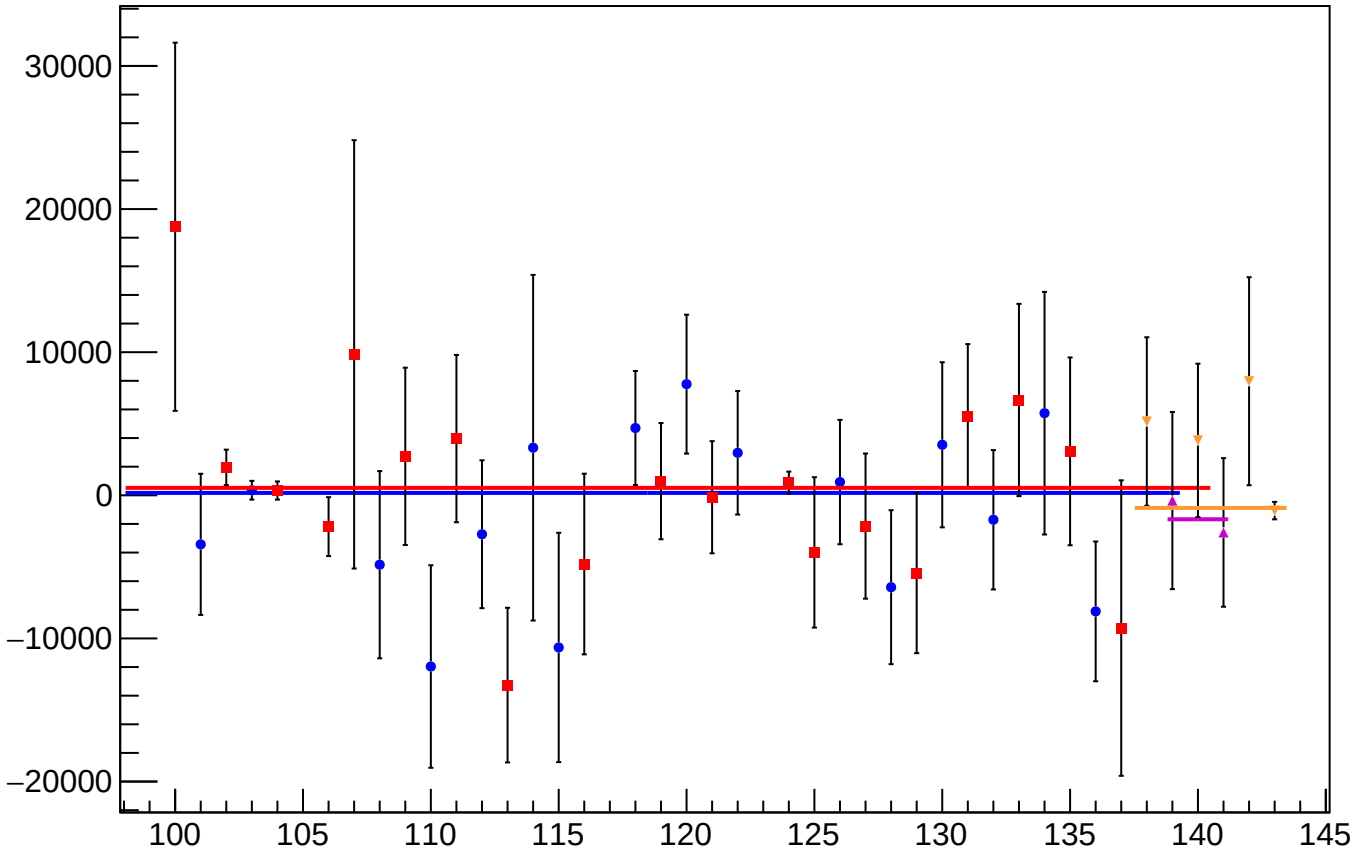
Left: 1931.906+/-0.645 χ^2/NDF: 246799.0/5

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1705.317+/-0.405 χ^2/NDF:163725.3/17

Out: 1780.628+/-0.399 χ^2/NDF:700066.7/22

All: 1743.517+/-0.284 χ^2/NDF: 881332.9/40



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -881.120+/-601.212 χ^2/NDF:3.4/3

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: -1674.422+/-3977.504 χ^2/NDF:0.1/1

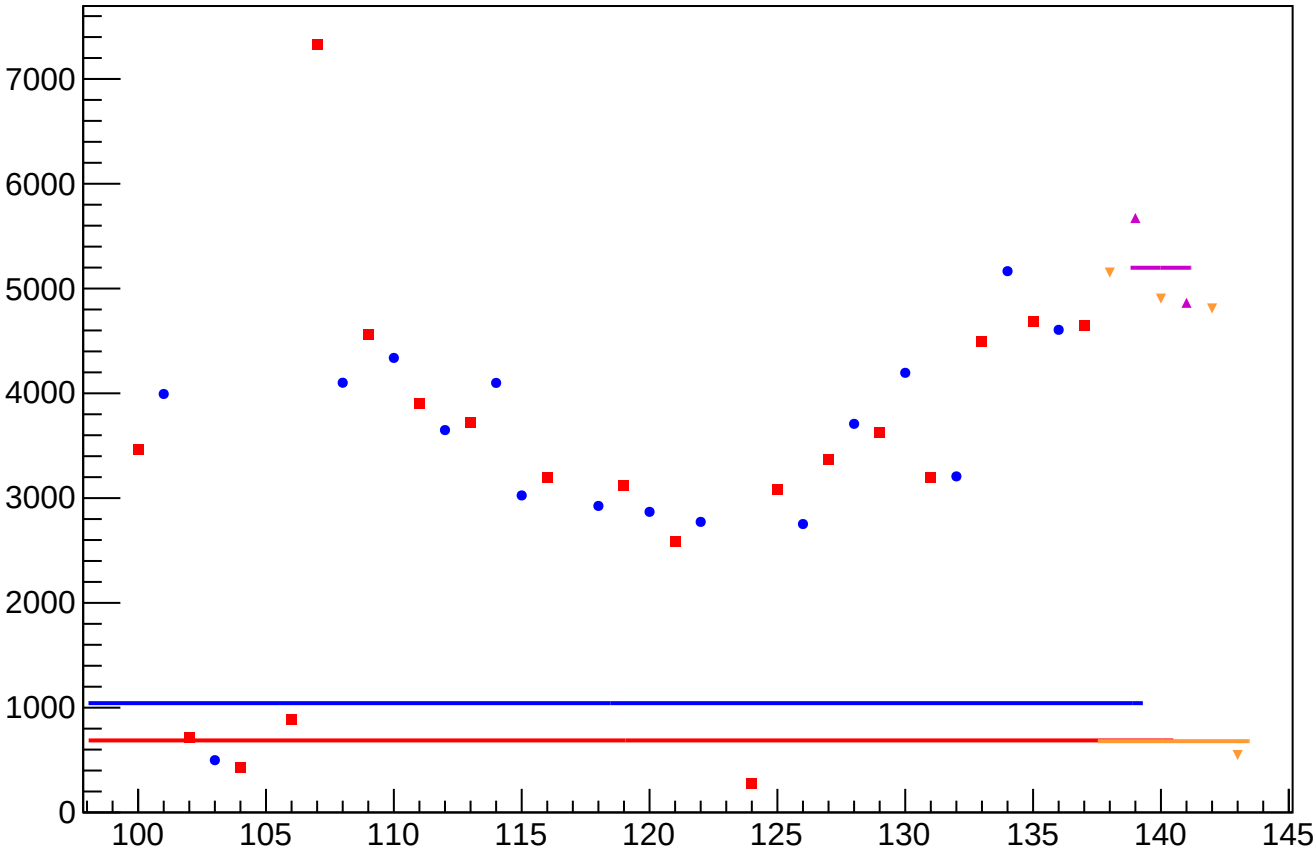
Left: -898.840+/-594.460 χ^2/NDF: 3.5/5

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 128.399+/-585.169 χ^2/NDF:16.1/17

Out: 54.176+/-346.926 χ^2/NDF:25.6/22

All: 73.480+/-298.422 χ^2/NDF: 41.7/40



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 680.141+/-0.425 χ^2/NDF:3135173.6/3

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5198.362+/-2.813 χ^2/NDF:20064.6/1

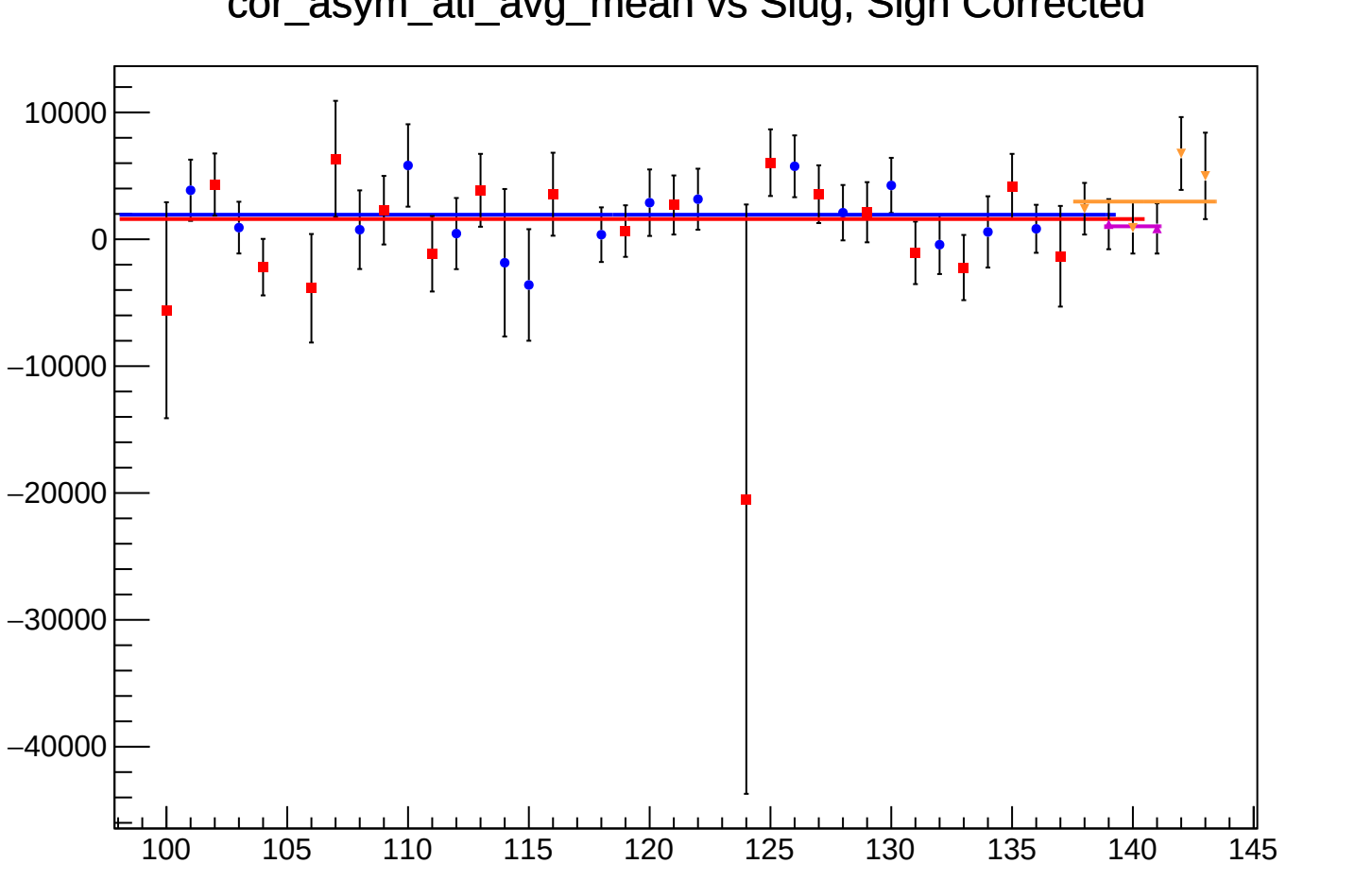
Left: 781.065+/-0.420 χ^2/NDF: 5678329.3/5

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1133.054+/-0.414 χ^2/NDF:10267459.1/17

Out: 684.936+/-0.245 χ^2/NDF:11766893.9/22

All: 801.480+/-0.211 χ^2/NDF: 22902193.7/40



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.504+/-1203.531 χ^2/NDF:3.2/3

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: 2142.445+/-911.976 χ^2/NDF: 4.3/5

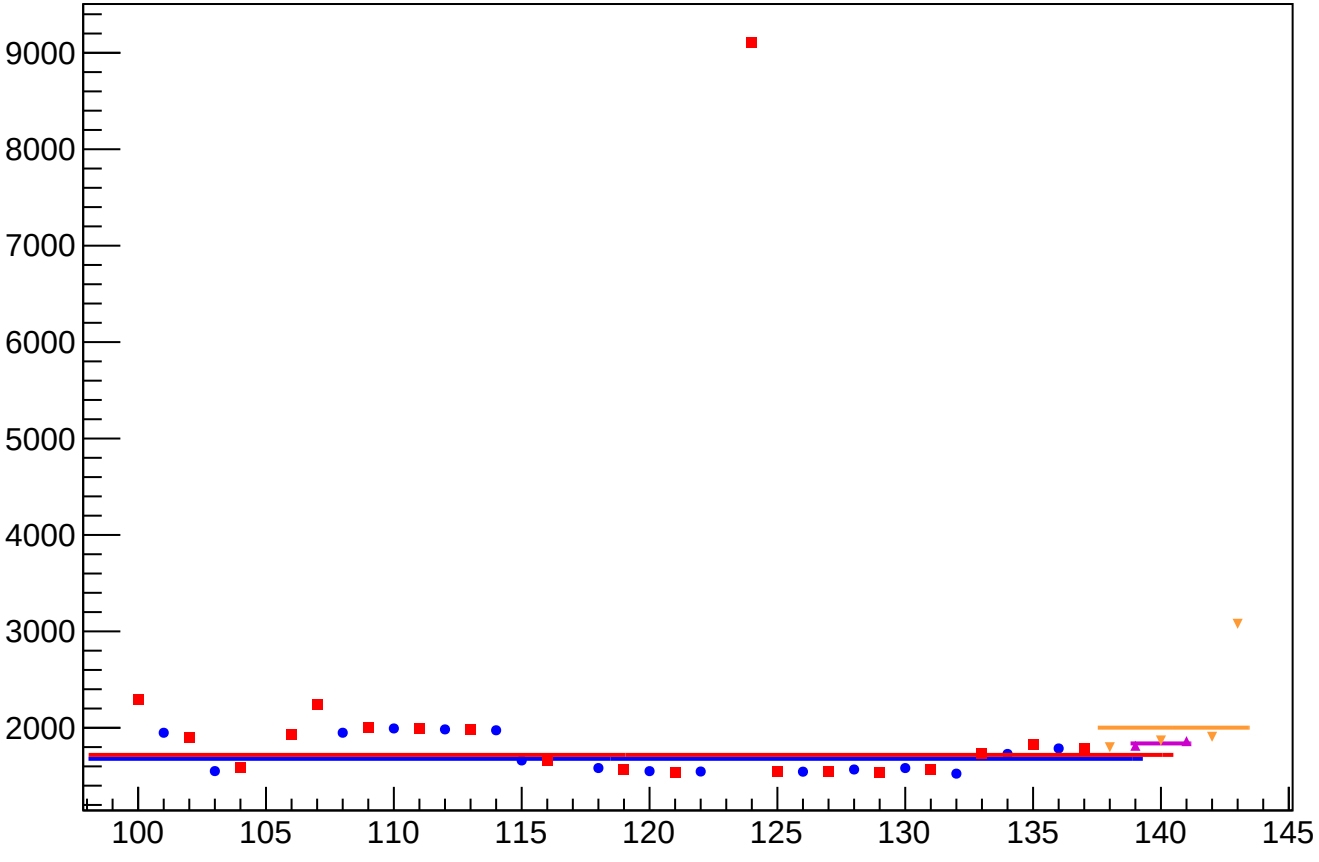
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1781.759+/-572.730 χ^2/NDF:11.3/17

Out: 1900.701+/-566.593 χ^2/NDF:23.6/22

All: 1841.871+/-402.794 χ^2/NDF: 34.9/40

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

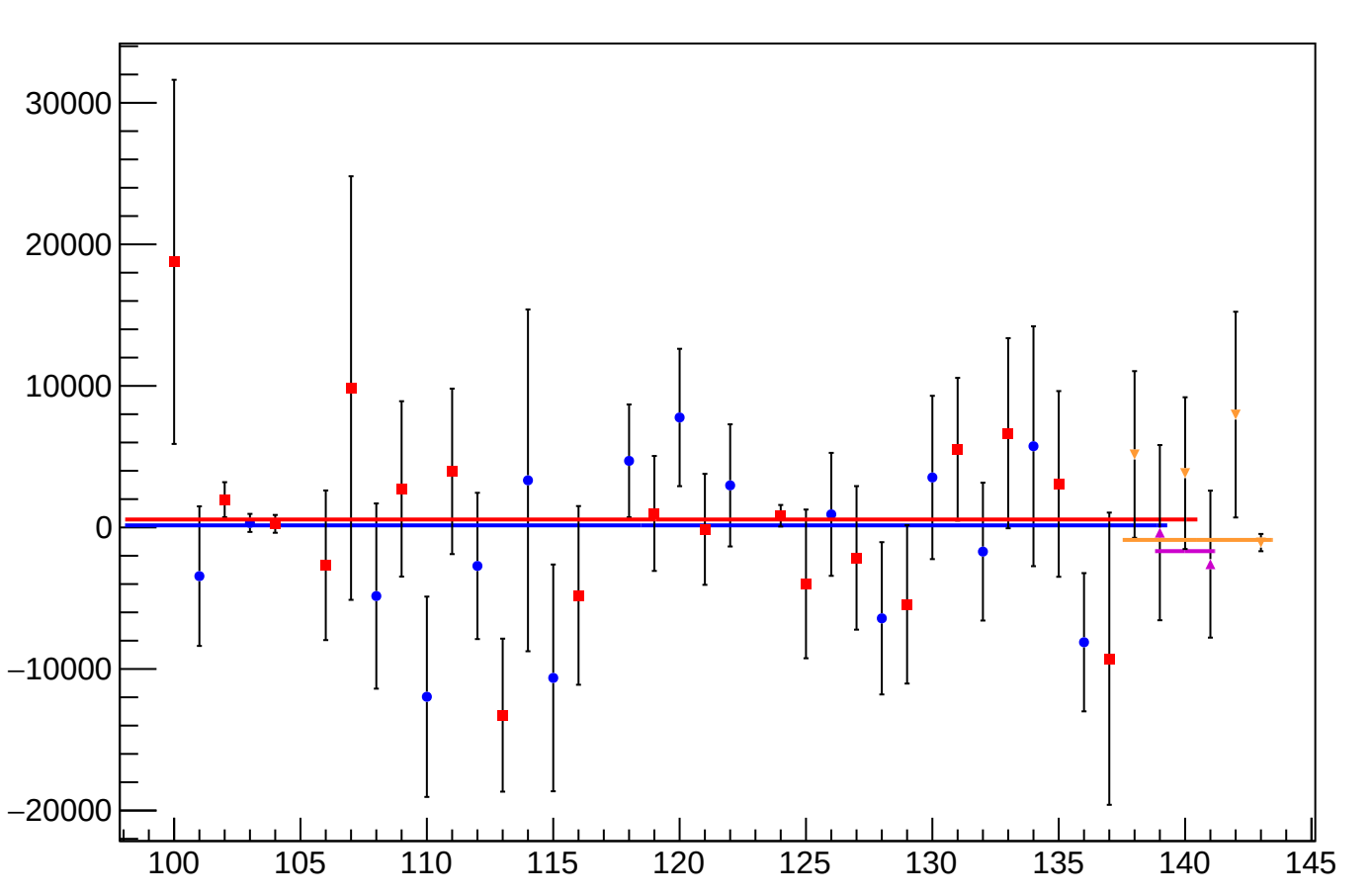
Left: 1931.906+/-0.645 χ^2/NDF: 246799.0/5

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.317+/-0.405 χ^2/NDF:163725.4/17

Out: 1781.326+/-0.399 χ^2/NDF:701282.8/22

All: 1743.857+/-0.284 χ^2/NDF: 882869.4/40



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -880.723+/-601.188 χ^2/NDF:3.4/3

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1674.325+/-3977.502 χ^2/NDF:0.1/1

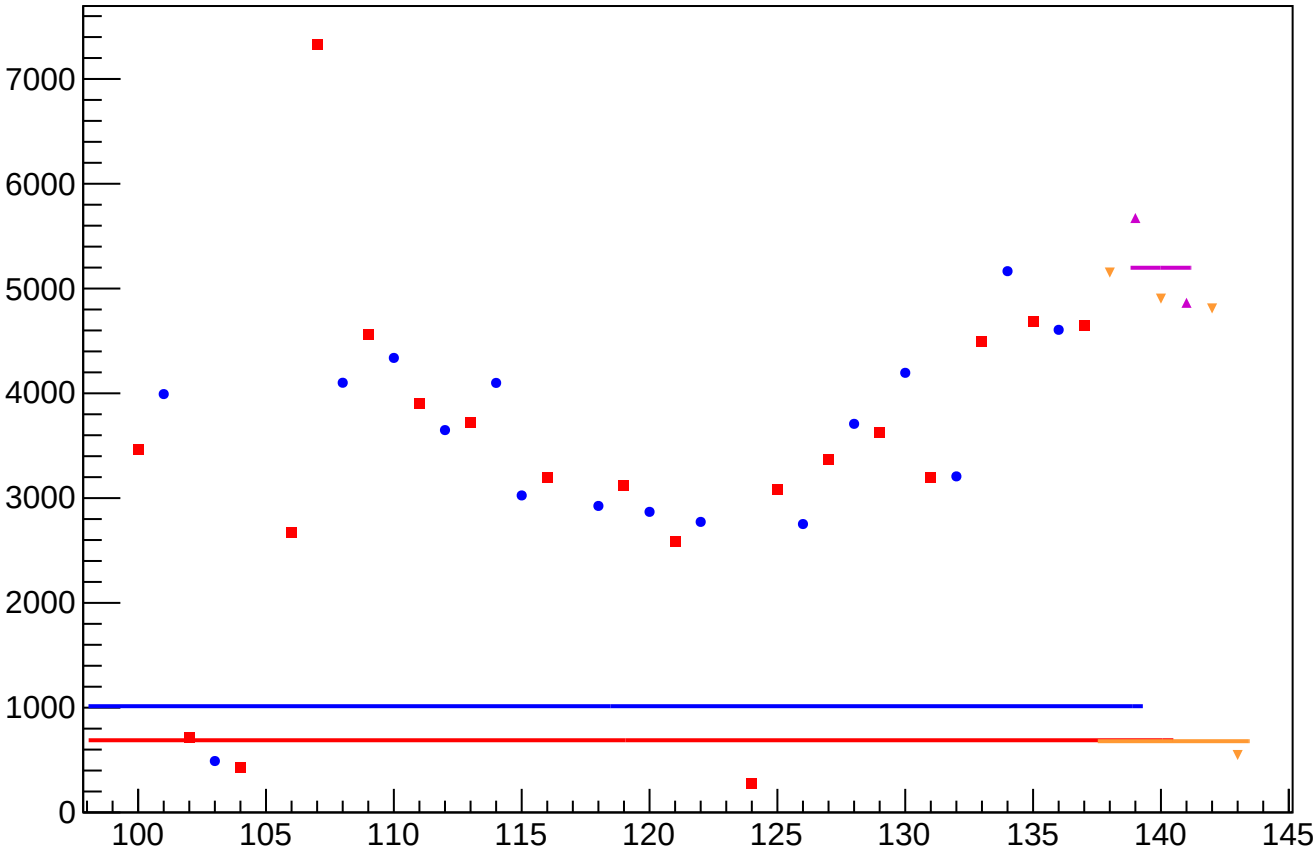
Left: -898.448+/-594.436 χ^2/NDF: 3.5/5

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 108.718+/-573.306 χ^2/NDF:16.1/17

Out: 72.428+/-350.080 χ^2/NDF:24.4/22

All: 82.284+/-298.780 χ^2/NDF: 40.5/40



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 680.110+/-0.425 χ^2/NDF:3135214.5/3

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5198.359+/-2.813 χ^2/NDF:20064.9/1

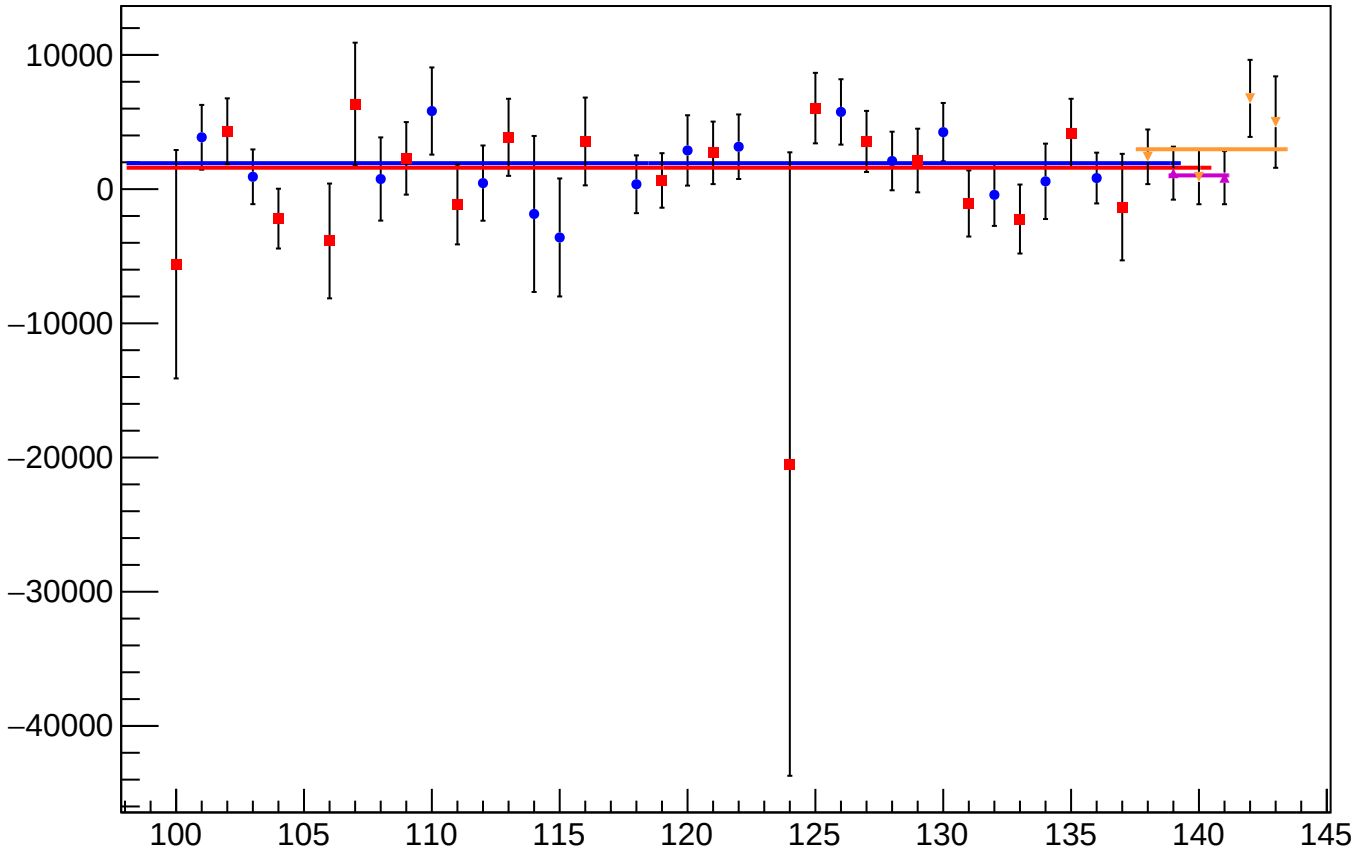
Left: 781.026+/-0.420 χ^2/NDF: 5678408.7/5

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1101.025+/-0.405 χ^2/NDF:10410435.7/17

Out: 686.022+/-0.248 χ^2/NDF:12045871.6/22

All: 798.737+/-0.211 χ^2/NDF: 23219667.3/40



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2972.504+/-1203.531 χ^2/NDF:3.2/3

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: 2142.445+/-911.976 χ^2/NDF: 4.3/5

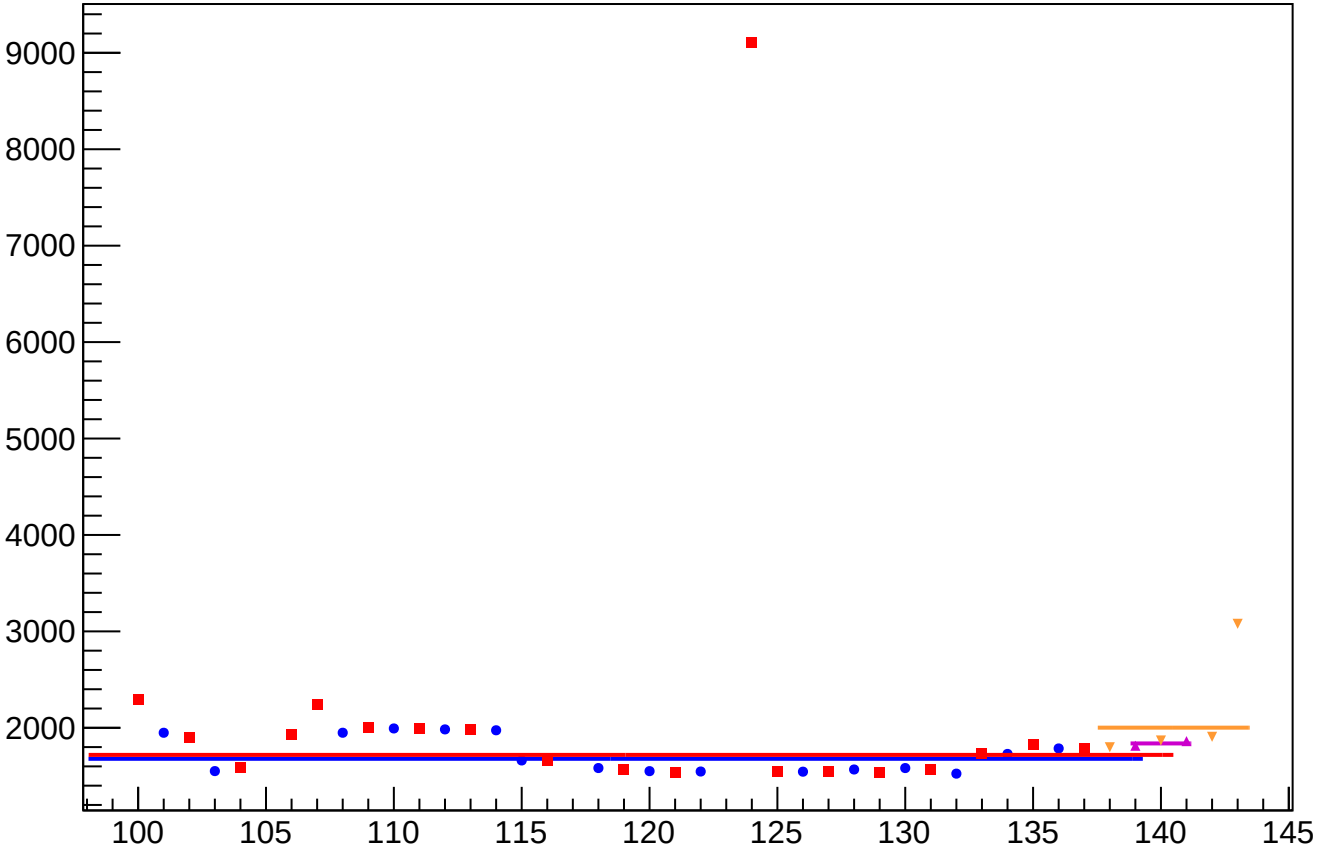
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1781.759+/-572.730 χ^2/NDF:11.3/17

Out: 1900.701+/-566.593 χ^2/NDF:23.6/22

All: 1841.871+/-402.794 χ^2/NDF: 34.9/40

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 2001.569+/-0.851 χ^2/NDF:230475.7/3

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1837.971+/-0.988 χ^2/NDF:587.2/1

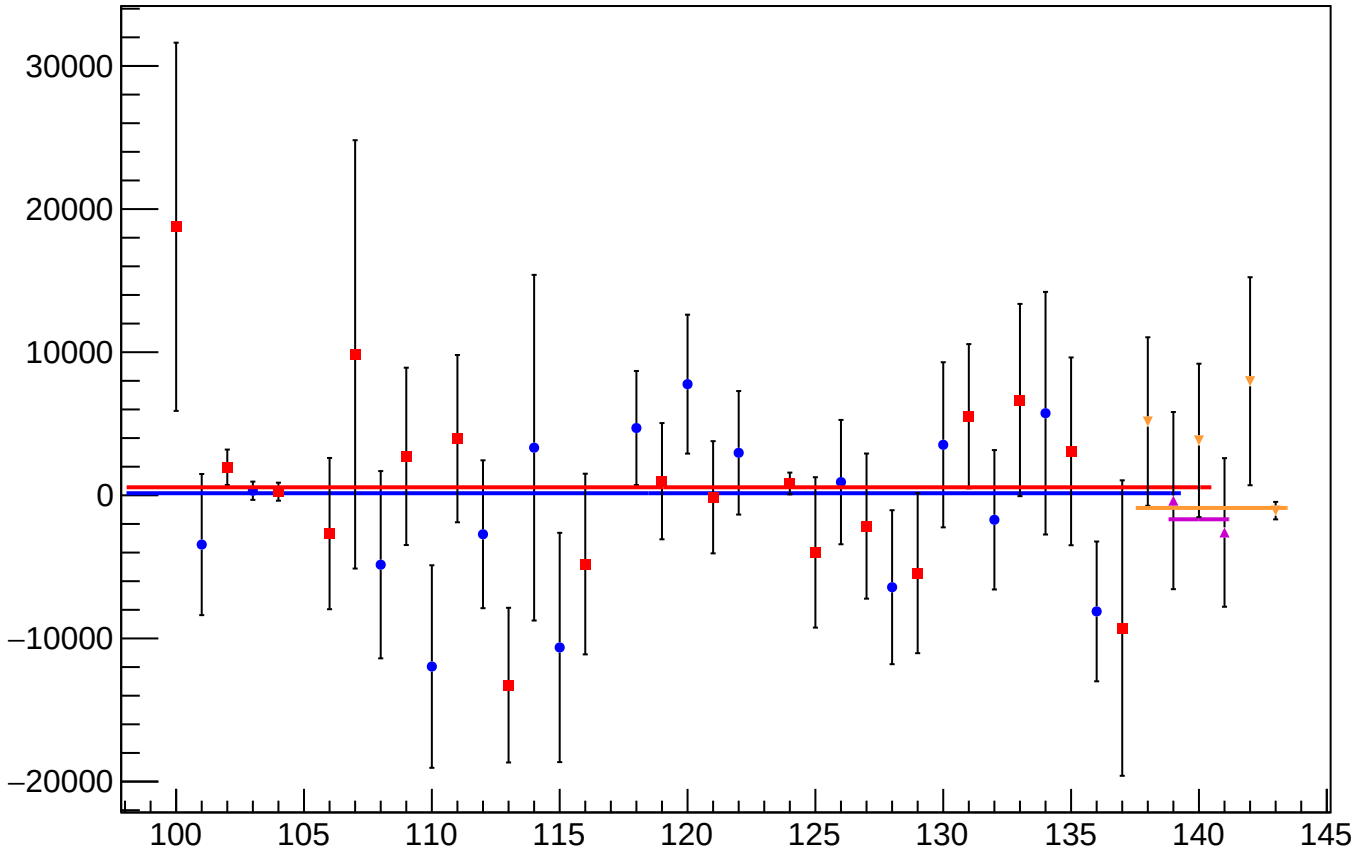
Left: 1931.906+/-0.645 χ^2/NDF: 246799.0/5

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1705.317+/-0.405 χ^2/NDF:163725.4/17

Out: 1781.326+/-0.399 χ^2/NDF:701282.8/22

All: 1743.857+/-0.284 χ^2/NDF: 882869.4/40



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -880.723+/-601.188 χ^2/NDF:3.4/3

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1674.325+/-3977.502 χ^2/NDF:0.1/1

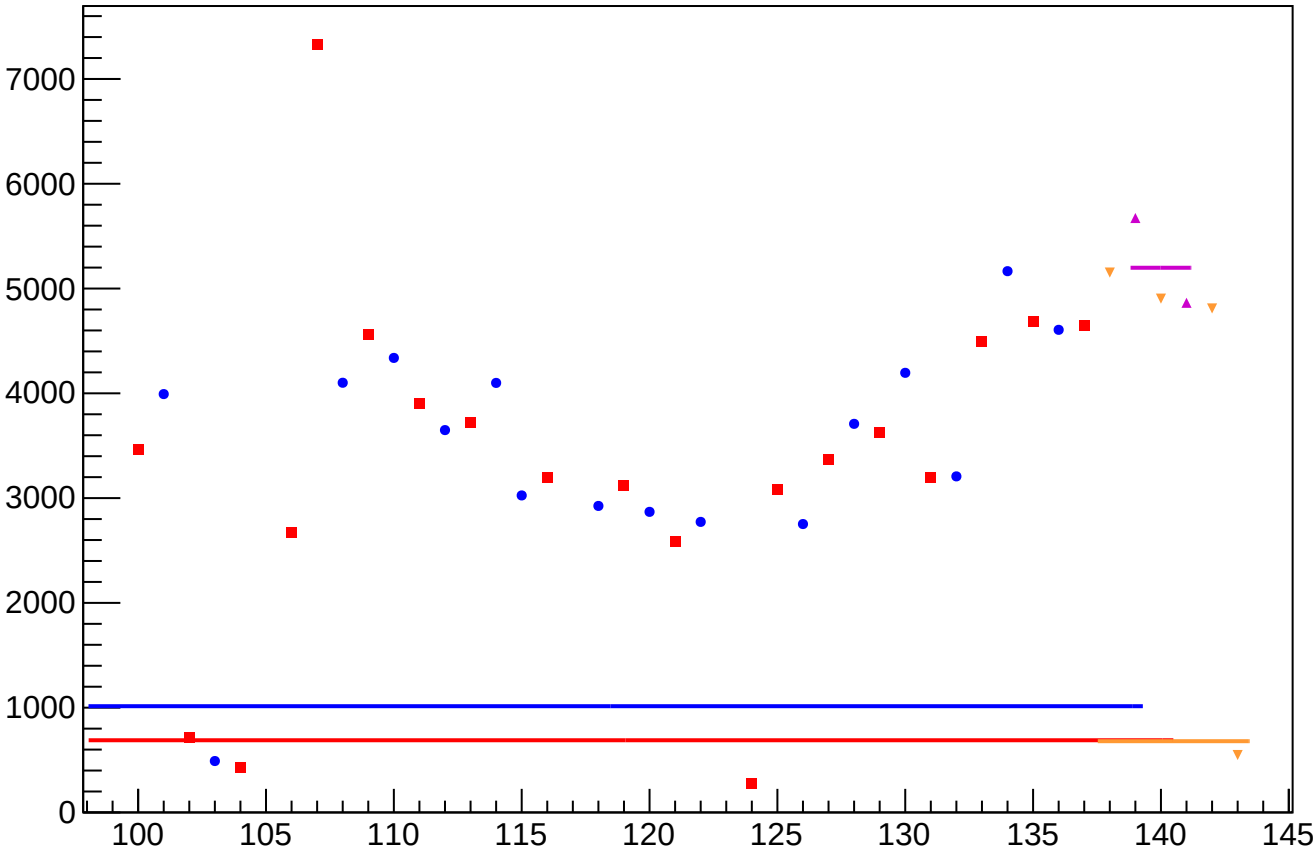
Left: -898.448+/-594.436 χ^2/NDF: 3.5/5

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 108.718+/-573.306 χ^2/NDF:16.1/17

Out: 72.428+/-350.080 χ^2/NDF:24.4/22

All: 82.284+/-298.780 χ^2/NDF: 40.5/40



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 680.110+/-0.425 χ^2/NDF:3135214.5/3

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: 781.026+/-0.420 χ^2/NDF: 5678408.7/5

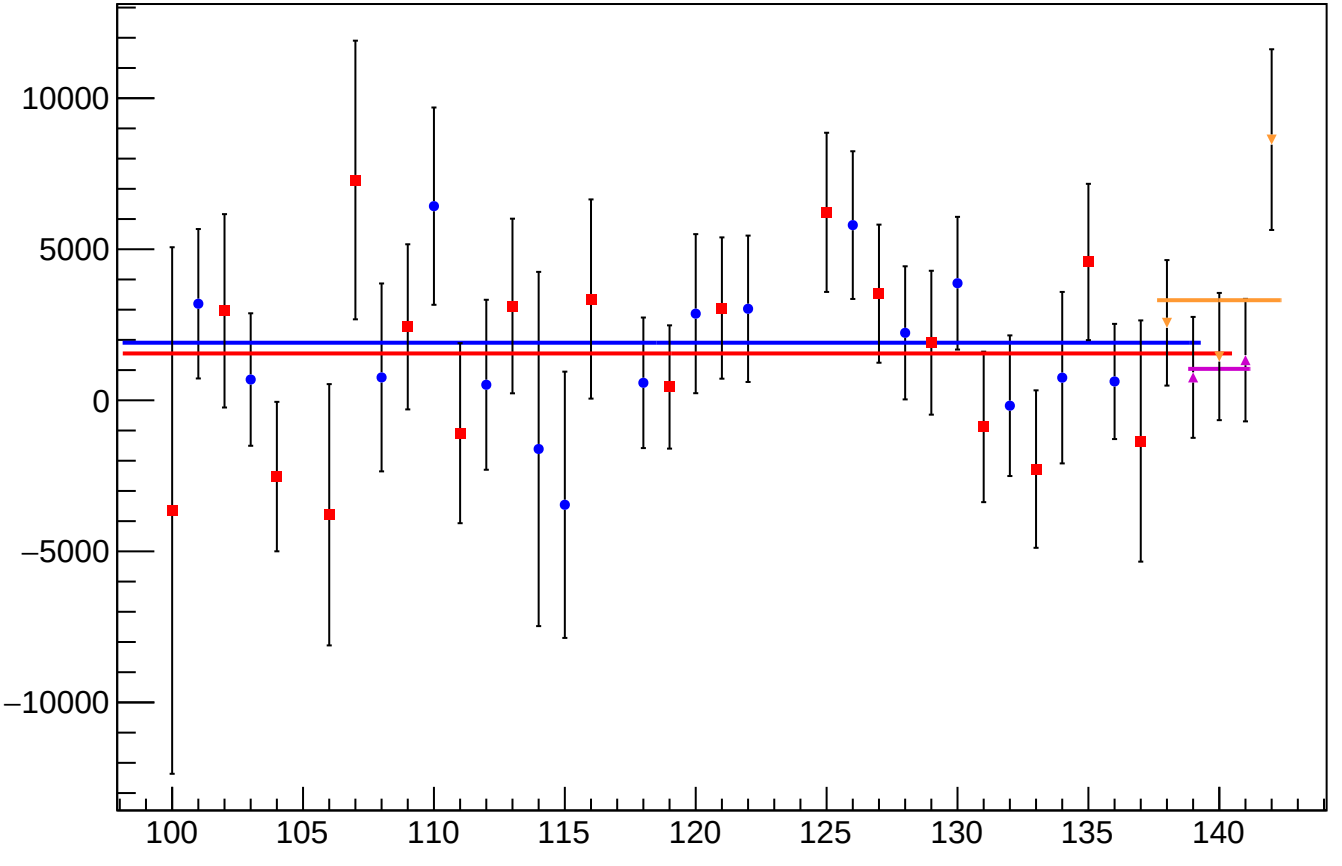
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1101.025+/-0.405 χ^2/NDF:10410435.7/17

Out: 686.022+/-0.248 χ^2/NDF:12045871.6/22

All: 798.737+/-0.211 χ^2/NDF: 23219667.3/40

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3313.493+/-1325.594 χ^2/NDF:4.1/2

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 1040.808+/-1424.394 χ^2/NDF:0.0/1

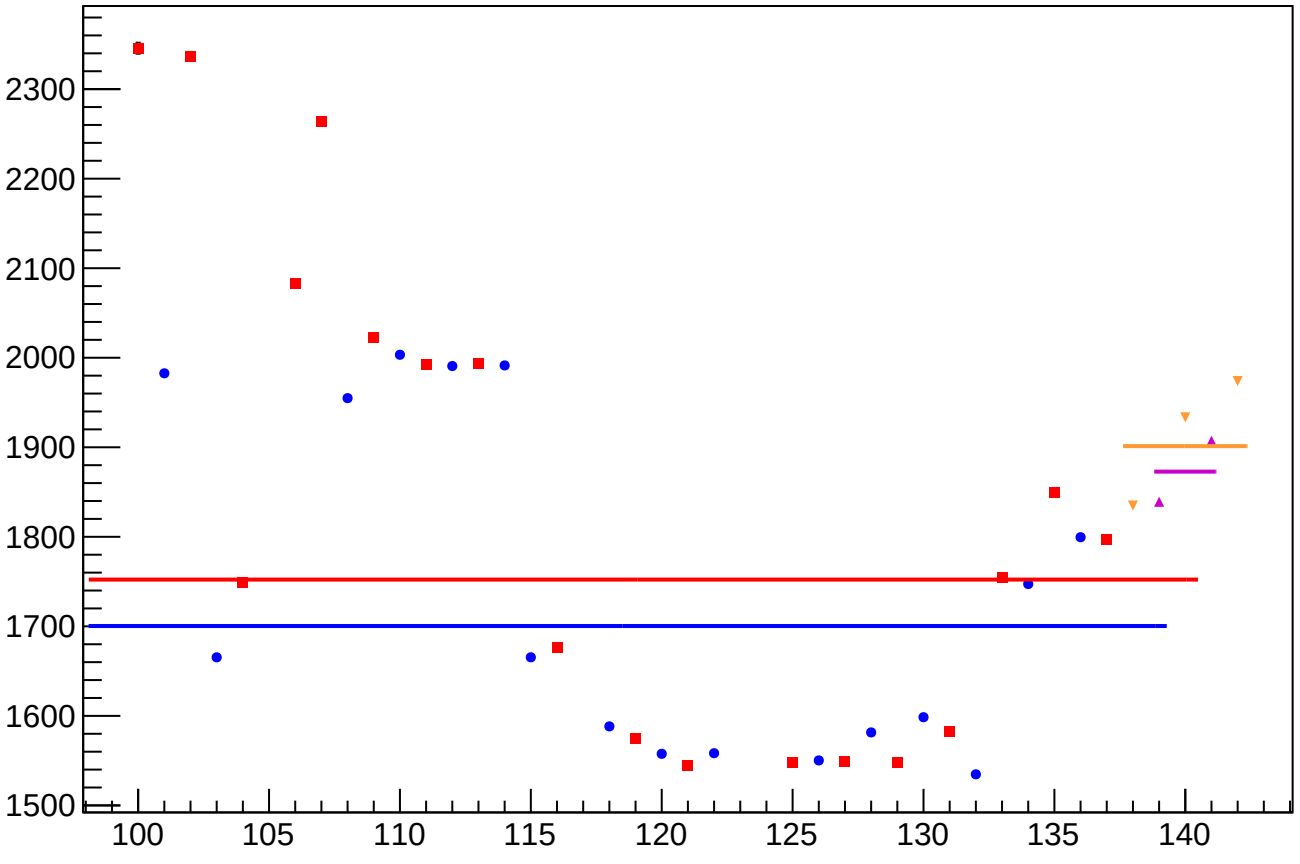
Left: 2258.697+/-970.387 χ^2/NDF: 5.5/4

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1762.189+/-581.069 χ^2/NDF:10.6/17

Out: 1902.005+/-591.576 χ^2/NDF:22.9/20

All: 1830.844+/-414.543 χ^2/NDF: 33.5/38



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1901.269+/-0.937 χ^2/NDF:3685.5/2

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1872.804+/-1.007 χ^2/NDF:1145.1/1

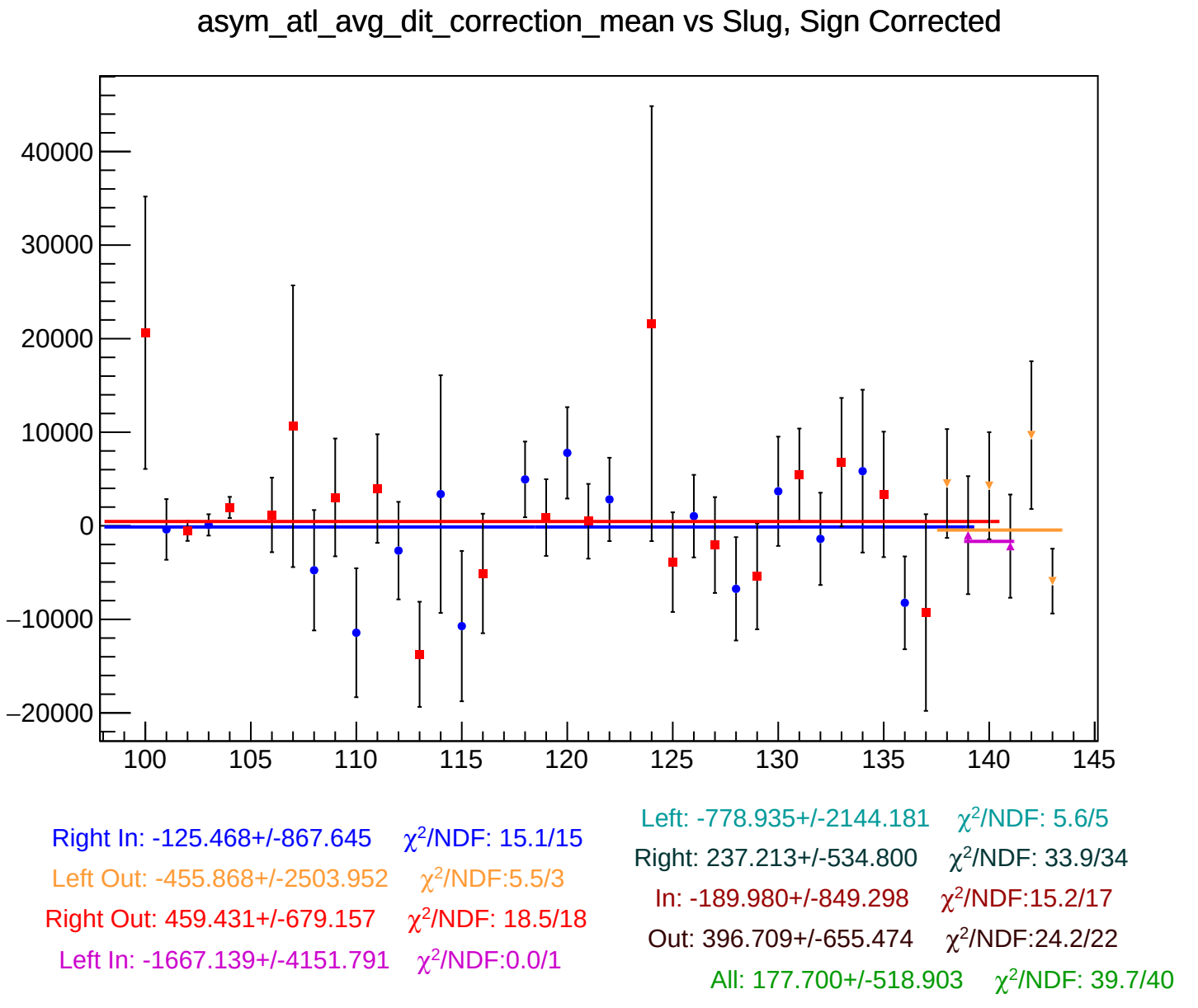
Left: 1888.058+/-0.686 χ^2/NDF: 5258.7/4

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

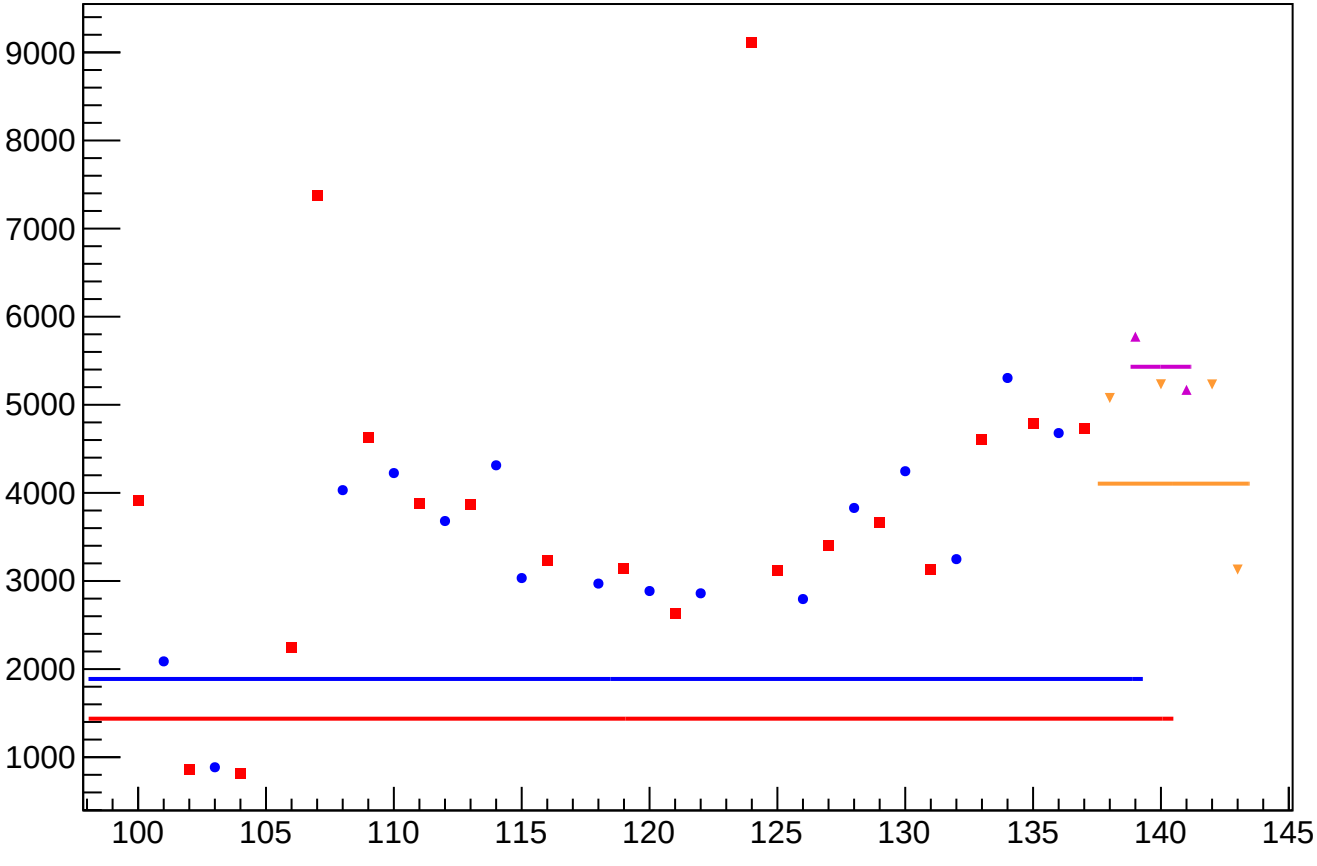
In: 1729.055+/-0.411 χ^2/NDF:161000.2/17

Out: 1781.811+/-0.418 χ^2/NDF:271901.2/20

All: 1755.009+/-0.293 χ^2/NDF: 441011.9/38


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: -455.868+/-2503.952 χ²/NDF:5.5/3
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: -1667.139+/-4151.791 χ²/NDF:0.0/1
Left: -778.935+/-2144.181 χ²/NDF: 5.6/5
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: -189.980+/-849.298 χ²/NDF:15.2/17
Out: 396.709+/-655.474 χ²/NDF:24.2/22
All: 177.700+/-518.903 χ²/NDF: 39.7/40

asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4104.876+/-1.771 χ^2/NDF:332721.9/3

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5431.582+/-2.936 χ^2/NDF:10384.8/1

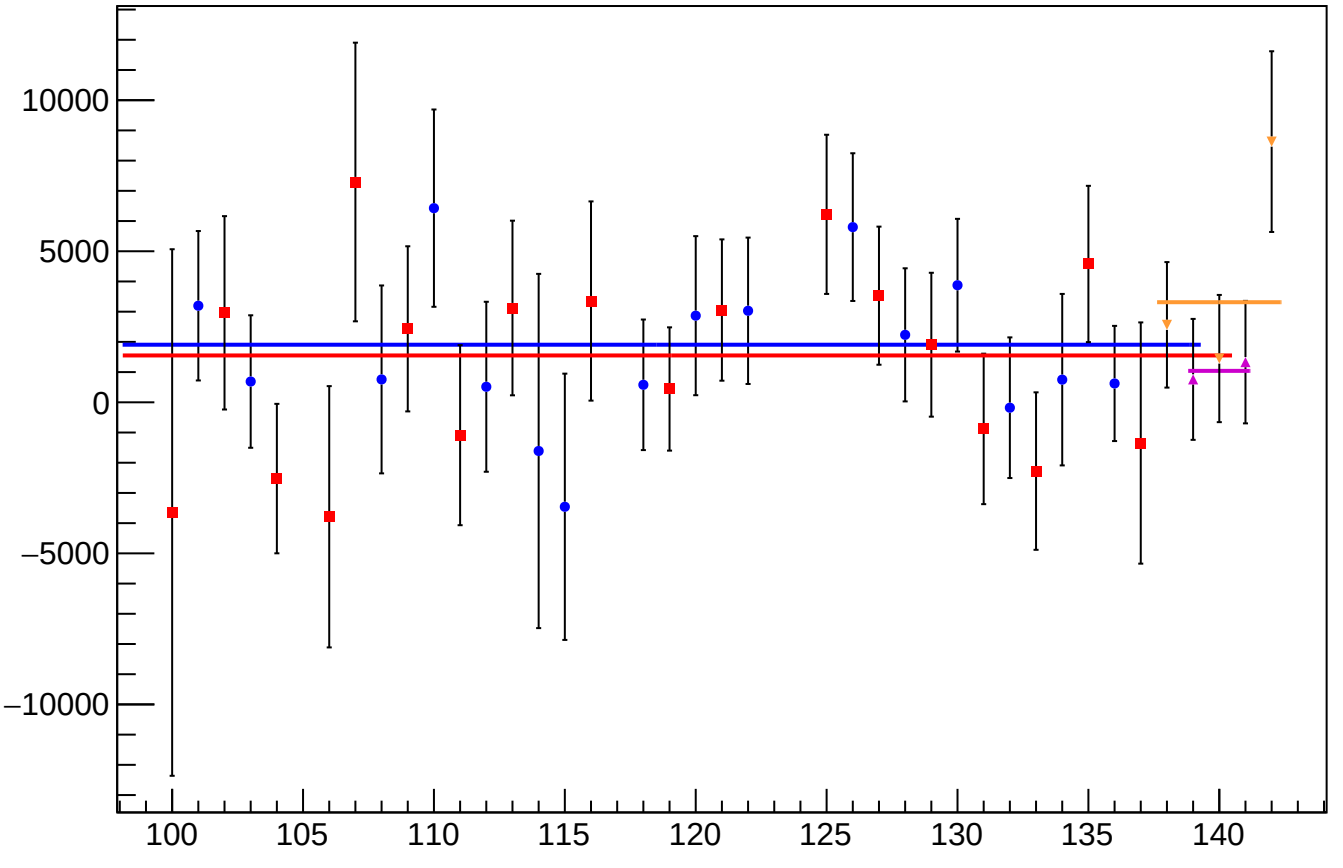
Left: 4458.732+/-1.516 χ^2/NDF: 492861.2/5

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2036.282+/-0.601 χ^2/NDF:5832058.4/17

Out: 1619.921+/-0.463 χ^2/NDF:8411594.8/22

All: 1775.347+/-0.367 χ^2/NDF: 14544893.1/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3313.508+/-1325.595 χ^2/NDF:4.1/2

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 1040.805+/-1424.395 χ^2/NDF:0.0/1

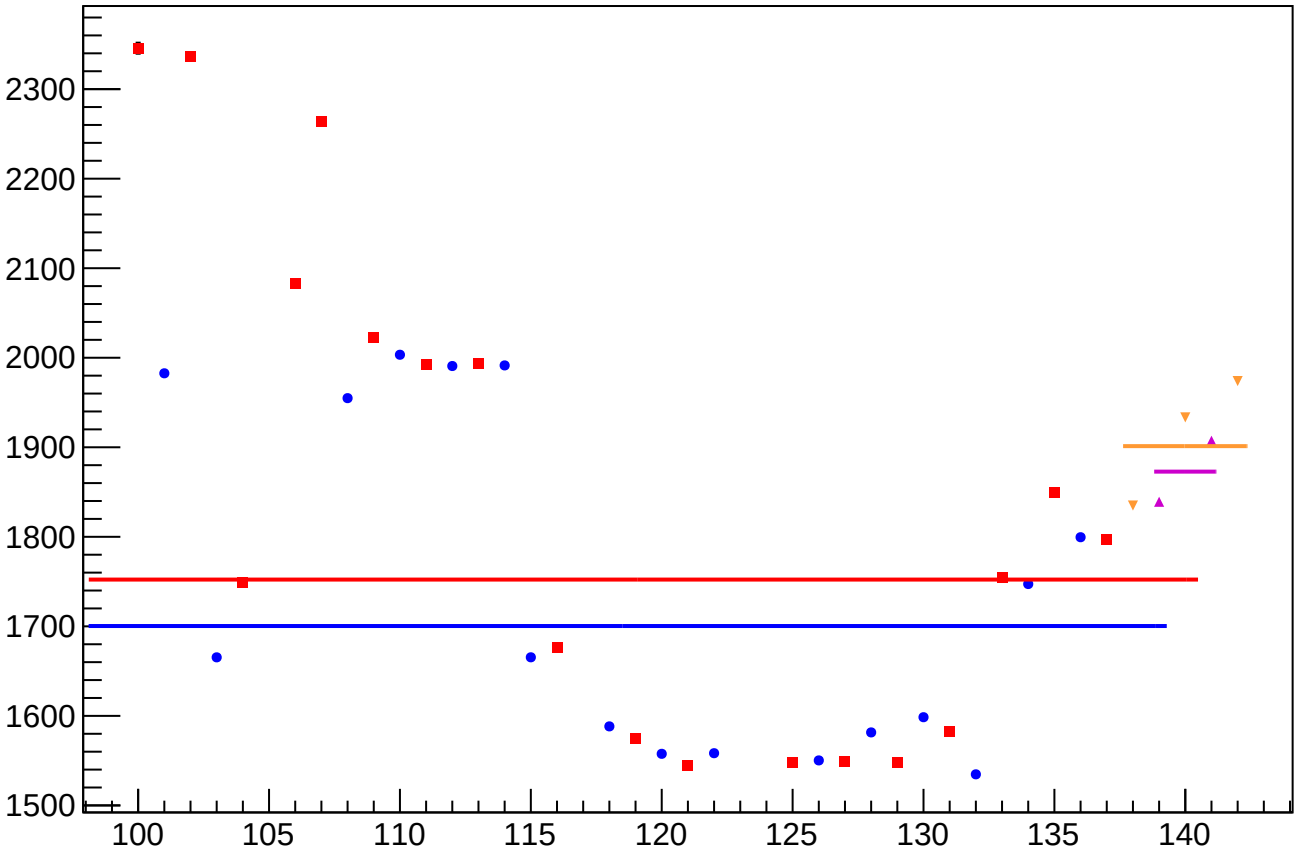
Left: 2258.704+/-970.387 χ^2/NDF: 5.5/4

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1762.188+/-581.069 χ^2/NDF:10.6/17

Out: 1902.005+/-591.575 χ^2/NDF:22.9/20

All: 1830.844+/-414.542 χ^2/NDF: 33.5/38



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1901.270+/-0.937 χ^2/NDF:3685.7/2

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1872.805+/-1.007 χ^2/NDF:1145.1/1

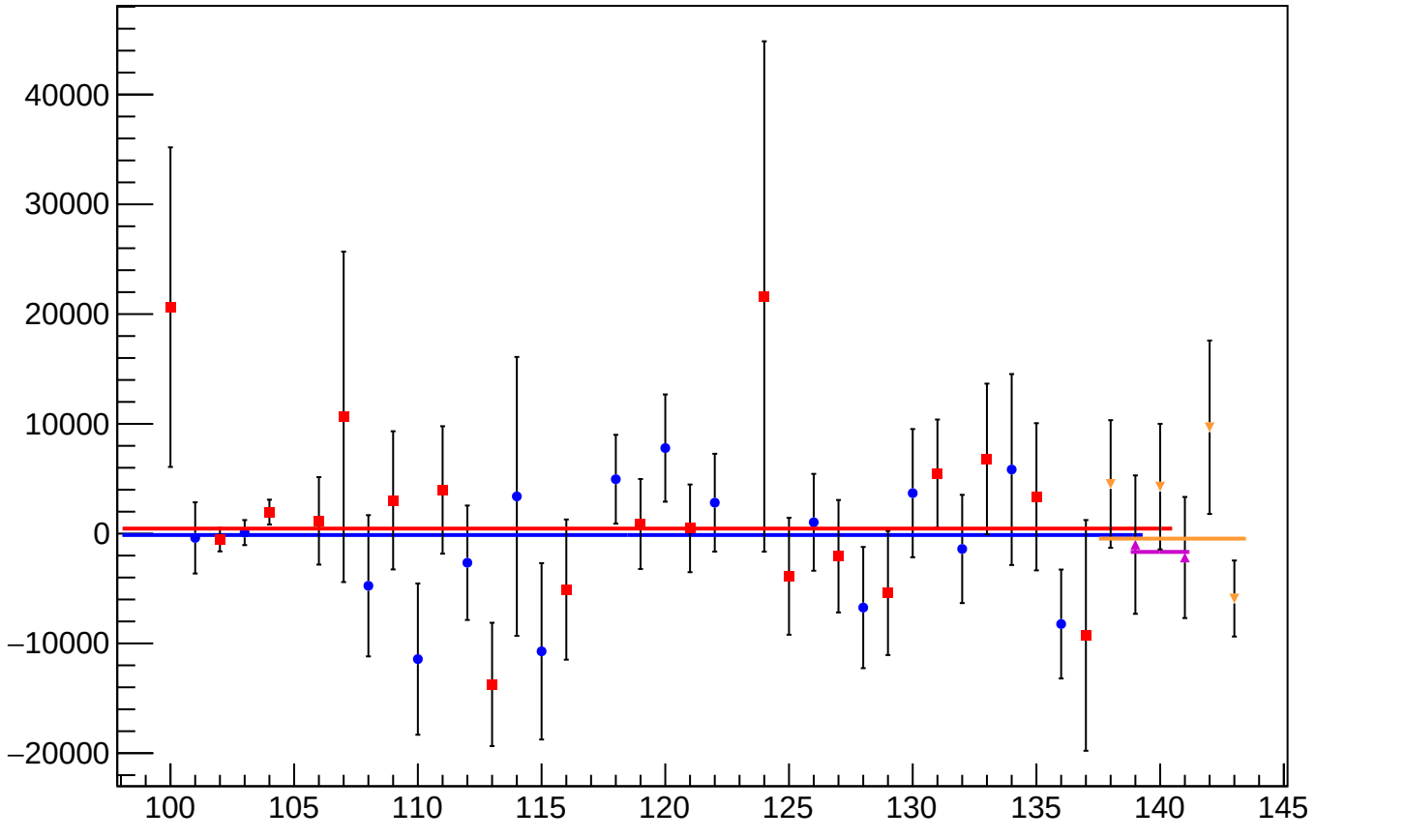
Left: 1888.059+/-0.686 χ^2/NDF: 5258.8/4

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1729.055+/-0.411 χ^2/NDF:161000.8/17

Out: 1781.811+/-0.418 χ^2/NDF:271901.2/20

All: 1755.008+/-0.293 χ^2/NDF: 441012.5/38



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -455.872+/-2503.955 χ^2/NDF:5.5/3

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -1667.141+/-4151.801 χ^2/NDF:0.0/1

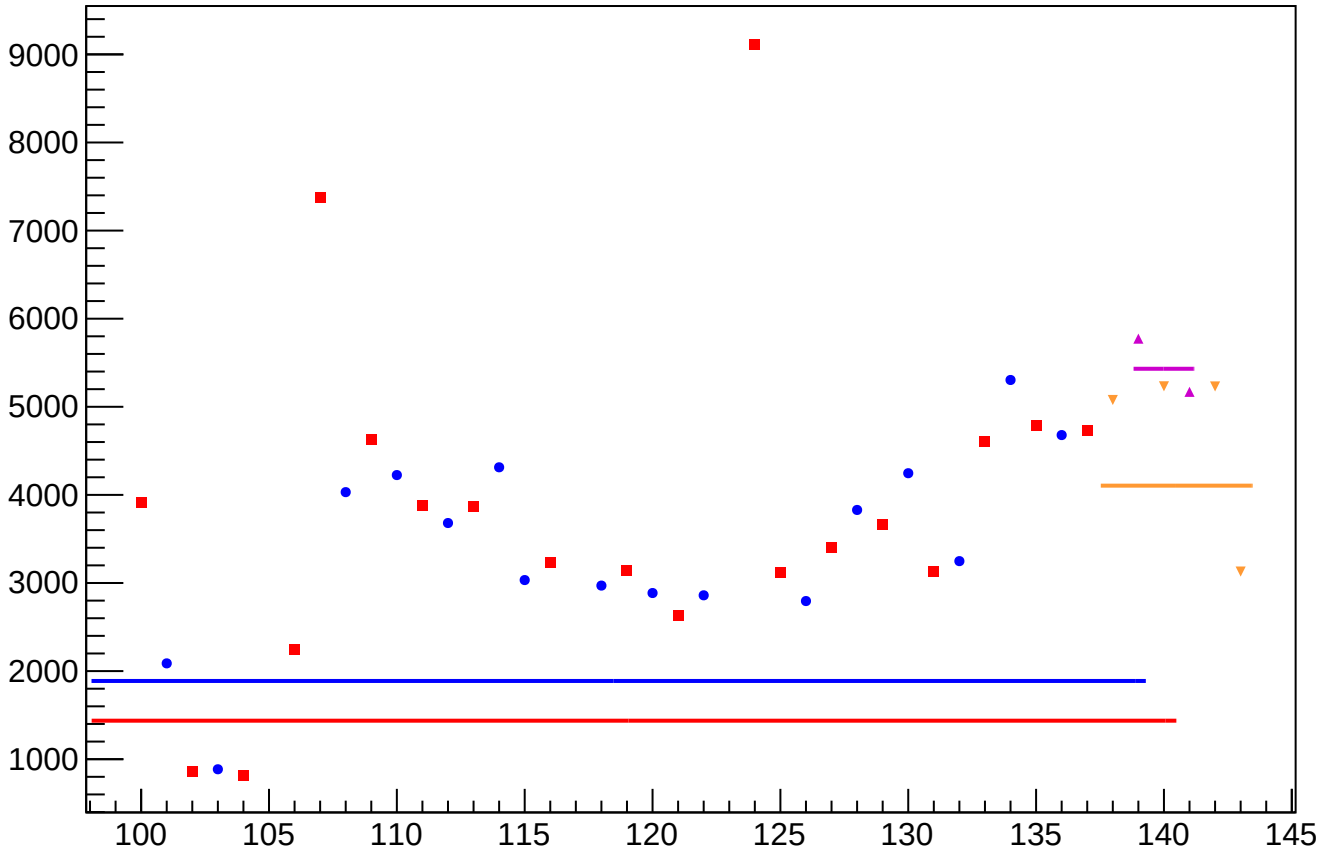
Left: -778.938+/-2144.185 χ^2/NDF: 5.6/5

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -189.975+/-849.292 χ^2/NDF:15.2/17

Out: 396.708+/-655.469 χ^2/NDF:24.2/22

All: 177.702+/-518.900 χ^2/NDF: 39.7/40



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4104.879+/-1.771 χ^2/NDF:332725.3/3

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5431.594+/-2.936 χ^2/NDF:10385.2/1

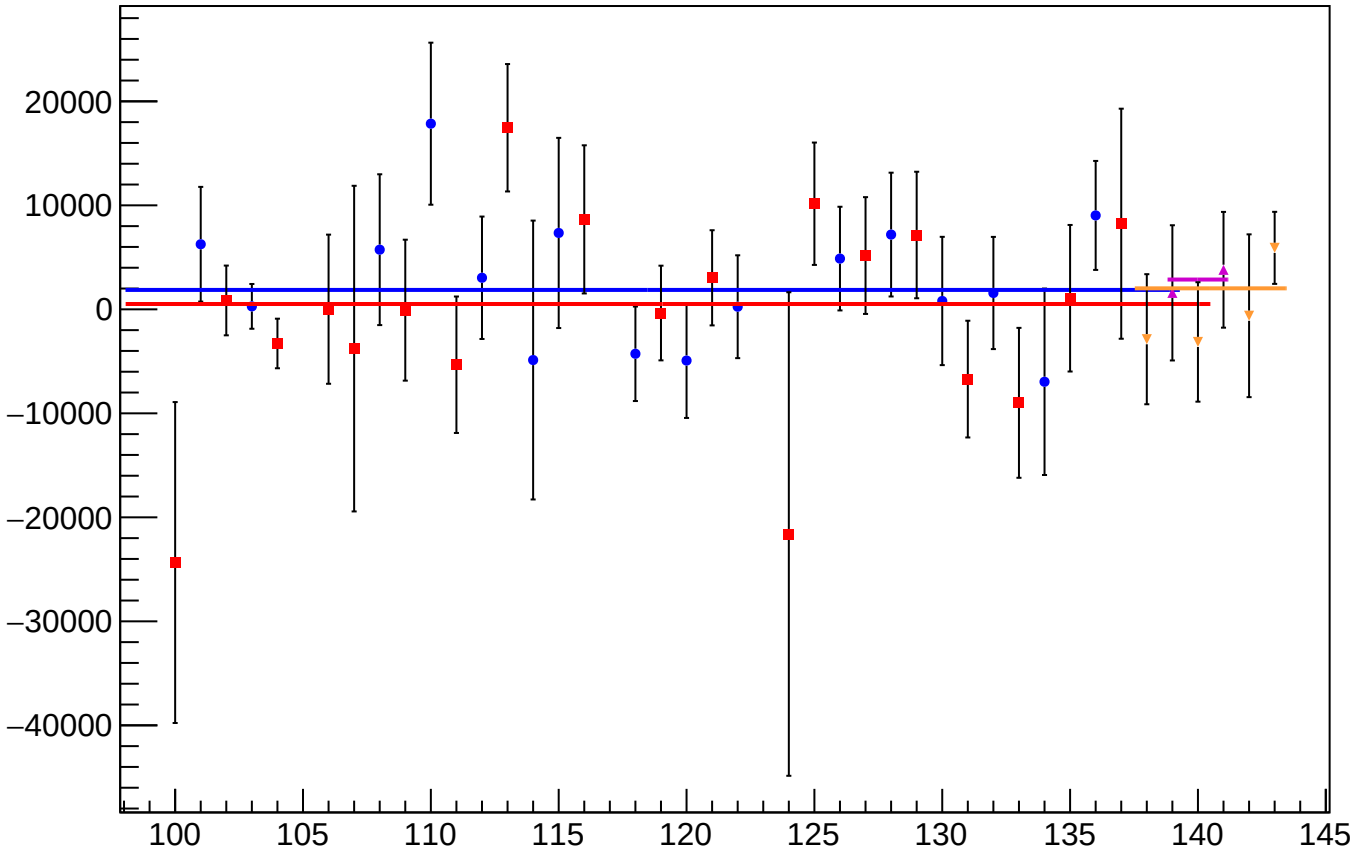
Left: 4458.737+/-1.516 χ^2/NDF: 492866.2/5

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2036.264+/-0.601 χ^2/NDF:5832113.0/17

Out: 1619.906+/-0.463 χ^2/NDF:8411657.7/22

All: 1775.330+/-0.367 χ^2/NDF: 14545010.8/4



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2018.618+/-2535.505 χ^2/NDF:2.8/3

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: 2242.344+/-2174.467 χ^2/NDF: 2.9/5

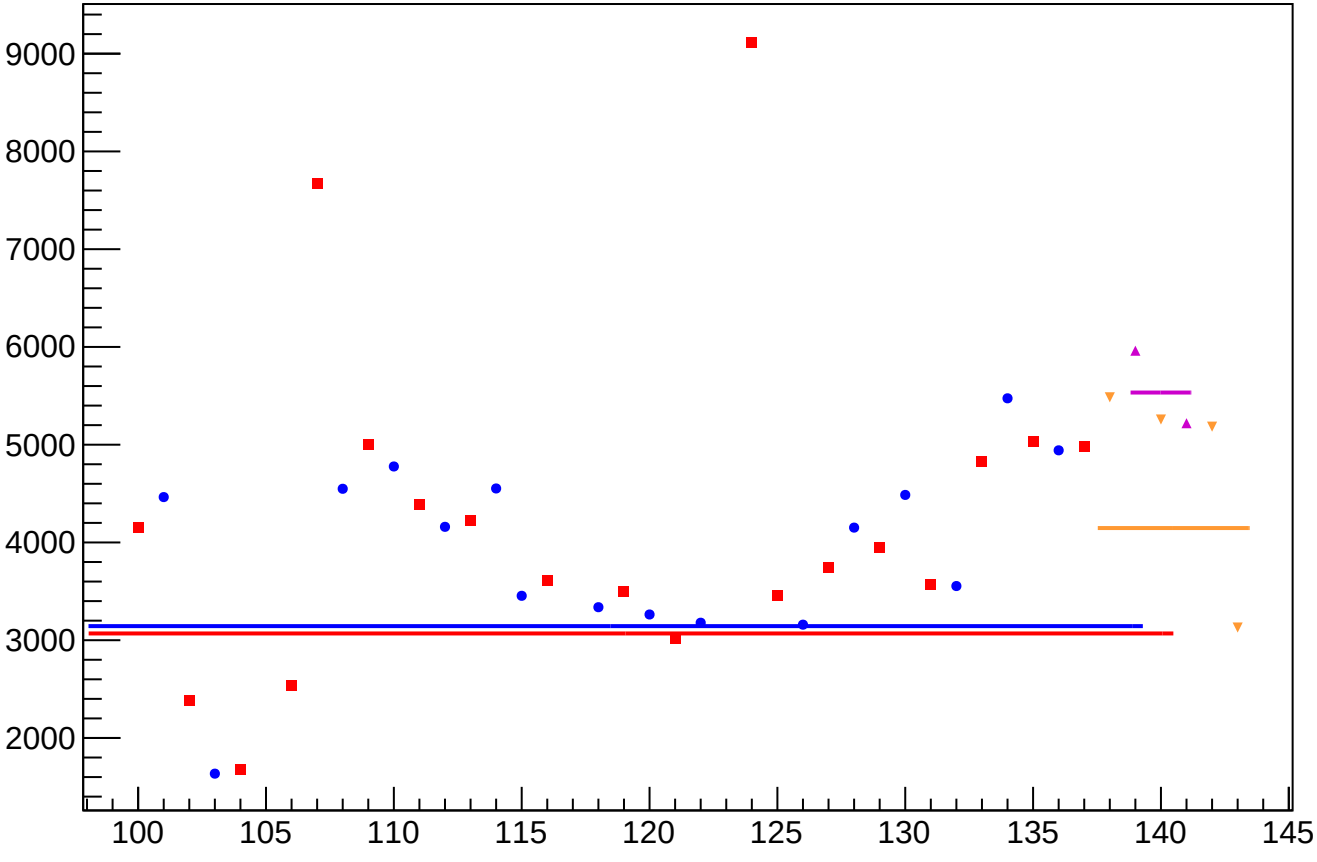
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1947.912+/-1206.803 χ^2/NDF:13.9/17

Out: 803.793+/-1115.021 χ^2/NDF:27.8/22

All: 1330.695+/-818.966 χ^2/NDF: 42.2/40

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4147.343+/-1.793 χ^2/NDF:373927.3/3

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5533.560+/-2.990 χ^2/NDF:15023.7/1

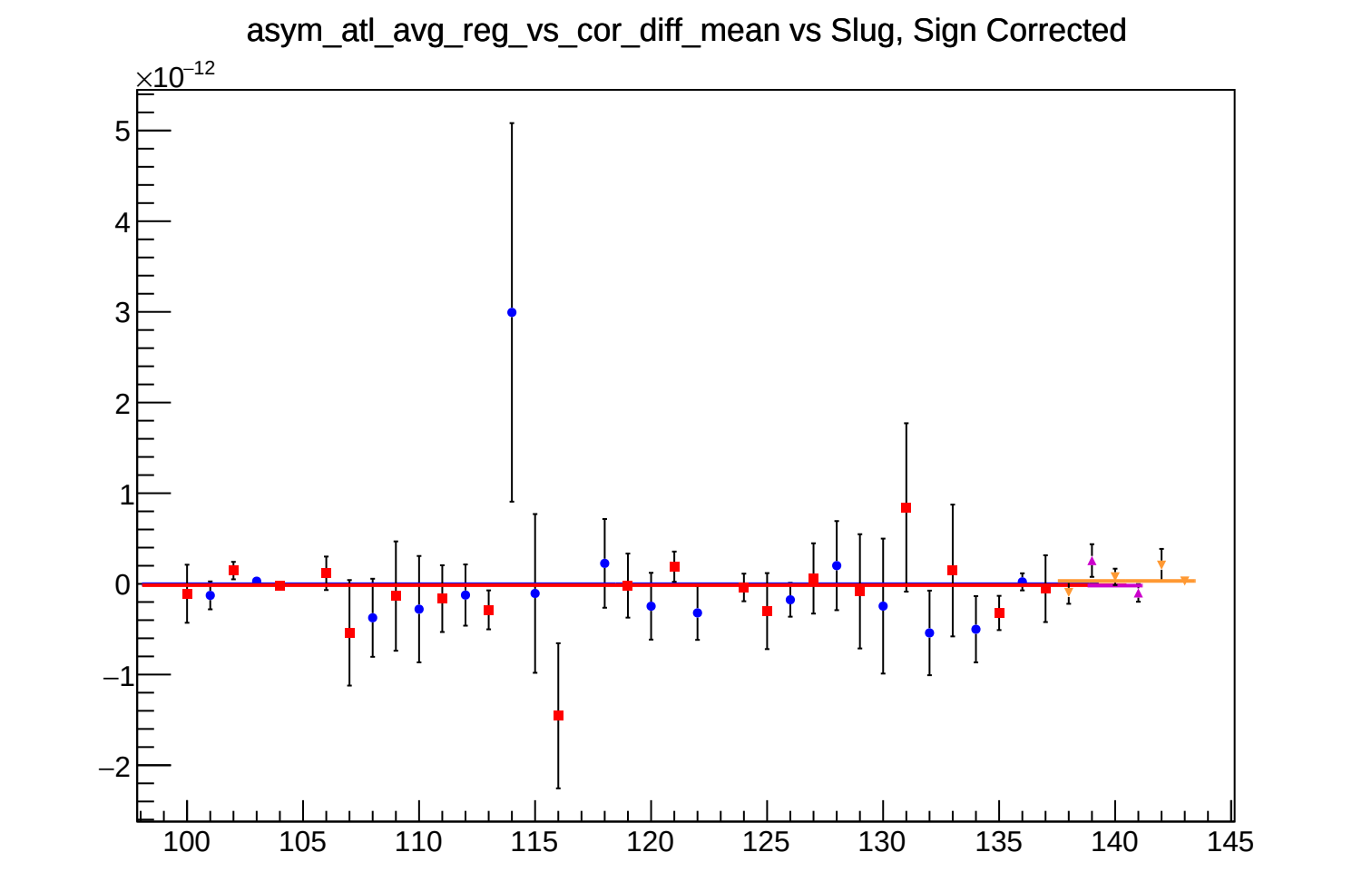
Left: 4514.011+/-1.538 χ^2/NDF: 547077.9/5

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3338.807+/-0.853 χ^2/NDF:2484902.6/17

Out: 3272.389+/-0.778 χ^2/NDF:2549068.8/22

All: 3302.558+/-0.575 χ^2/NDF: 5037277.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/1

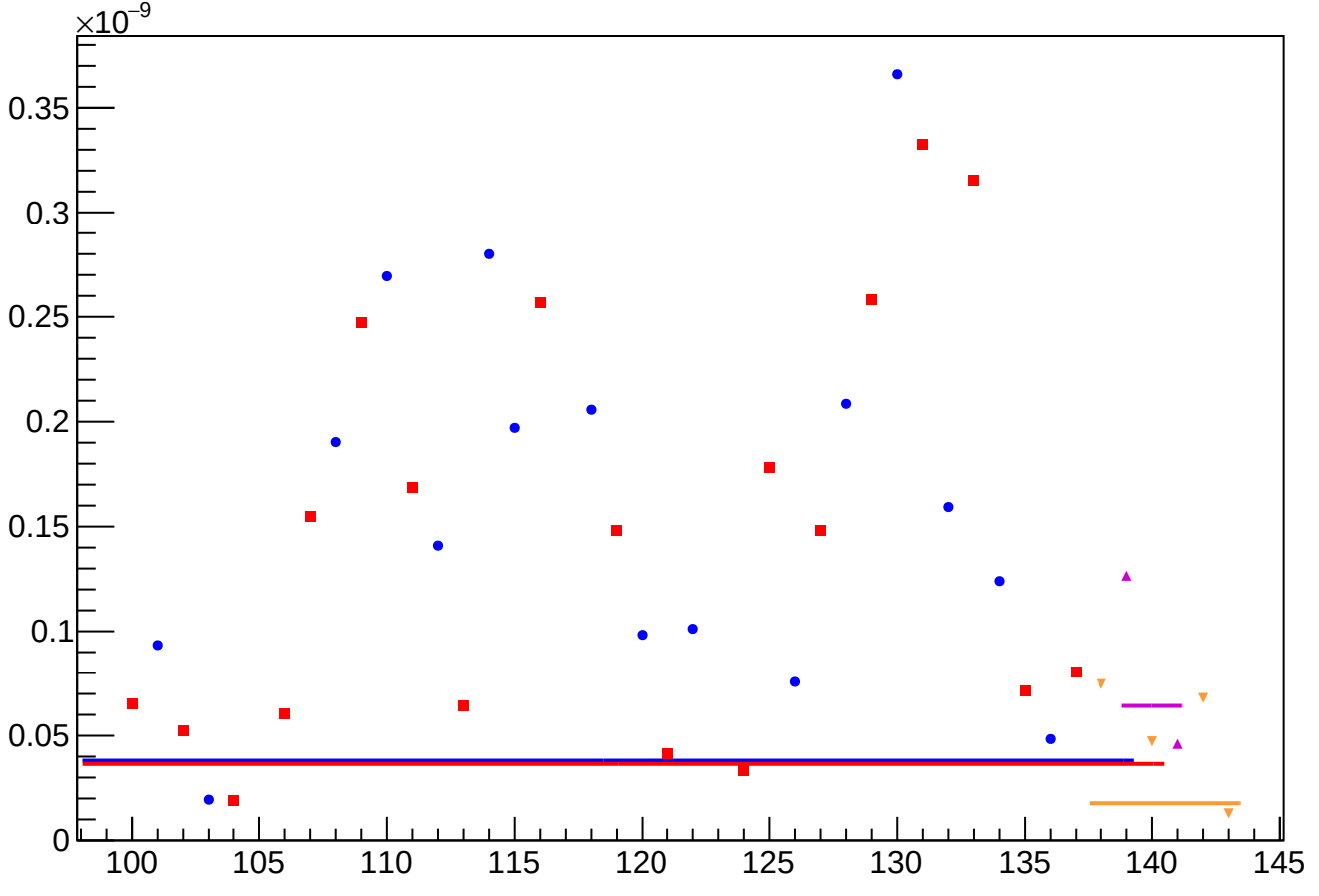
Left: 0.000+/-0.000 χ^2/NDF: 5.6/5

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:13.7/17

Out: 0.000+/-0.000 χ^2/NDF:18.6/22

All: 0.000+/-0.000 χ^2/NDF: 32.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:875480.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:308522.7/1

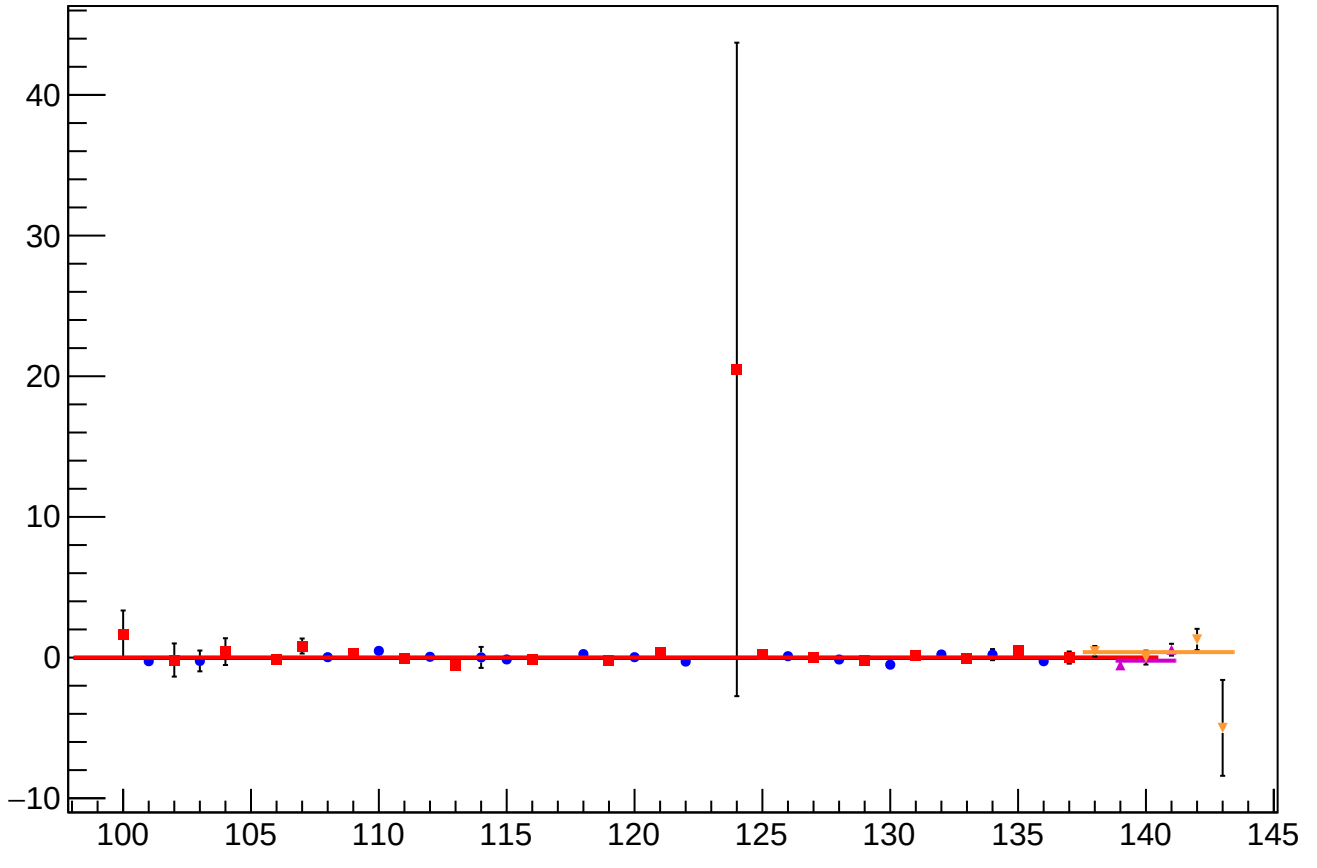
Left: 0.000+/-0.000 χ^2/NDF: 1738043.6/5

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:4016101.2/22

All: 0.000+/-0.000 χ^2/NDF: 7860995.2/40



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

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: 0.027+/-0.176 χ^2/NDF: 12.3/5

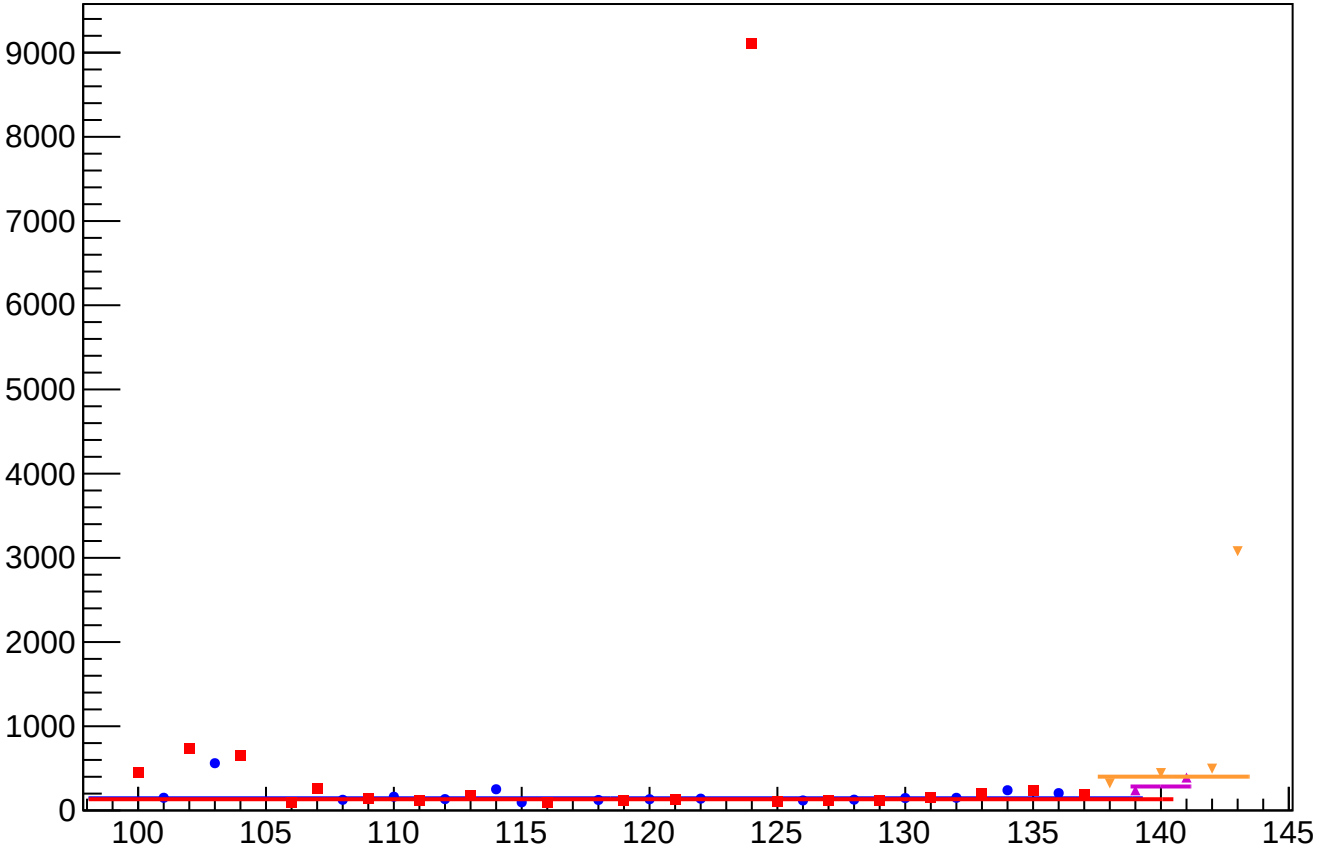
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.007+/-0.039 χ^2/NDF: 51.6/40

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: 401.344+/-0.196 χ^2/NDF:1371671.3/3

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: 332.026+/-0.125 χ^2/NDF: 1764833.5/5

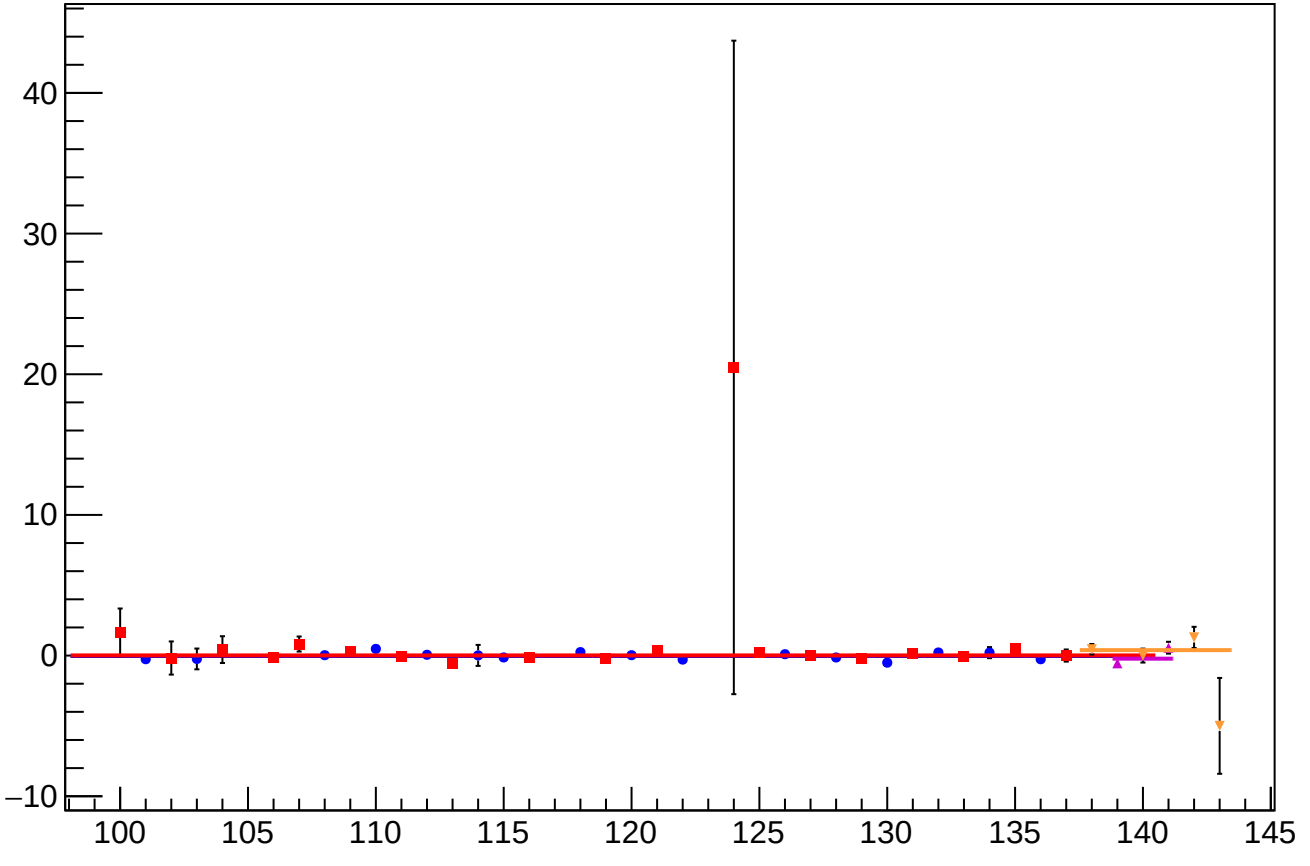
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 152.705+/-0.040 χ^2/NDF:2016916.0/17

Out: 143.979+/-0.039 χ^2/NDF:5393034.1/22

All: 148.287+/-0.028 χ^2/NDF: 7434477.6/40

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: 0.387+/-0.277 χ^2/NDF:4.6/3

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: 0.027+/-0.176 χ^2/NDF: 12.3/5

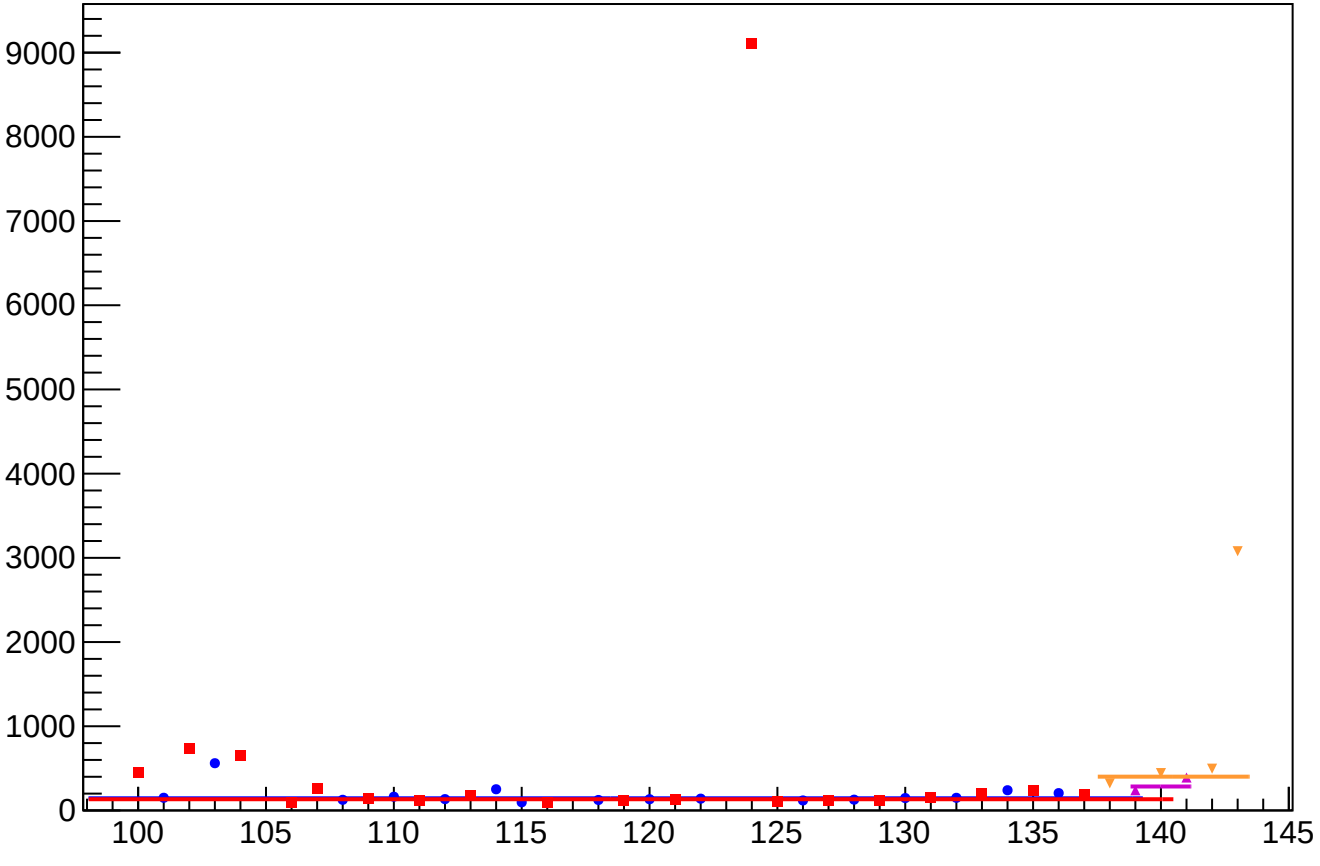
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.007+/-0.039 χ^2/NDF: 51.6/40

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: 401.344+/-0.196 χ^2/NDF:1371671.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 284.610+/-0.162 χ^2/NDF:181981.3/1

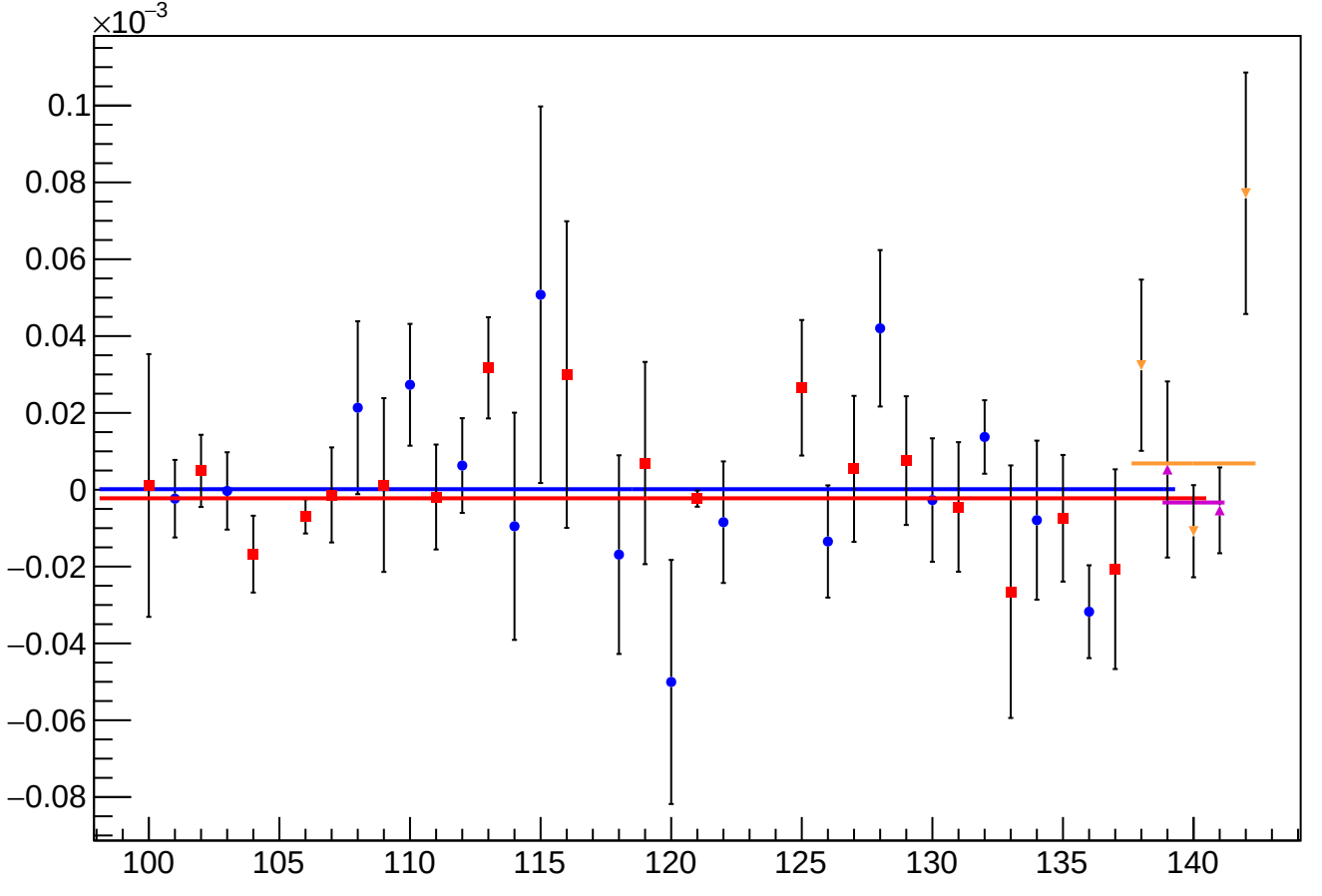
Left: 332.026+/-0.125 χ^2/NDF: 1764833.5/5

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 152.705+/-0.040 χ^2/NDF:2016916.0/17

Out: 143.979+/-0.039 χ^2/NDF:5393034.1/22

All: 148.287+/-0.028 χ^2/NDF: 7434477.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/2

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

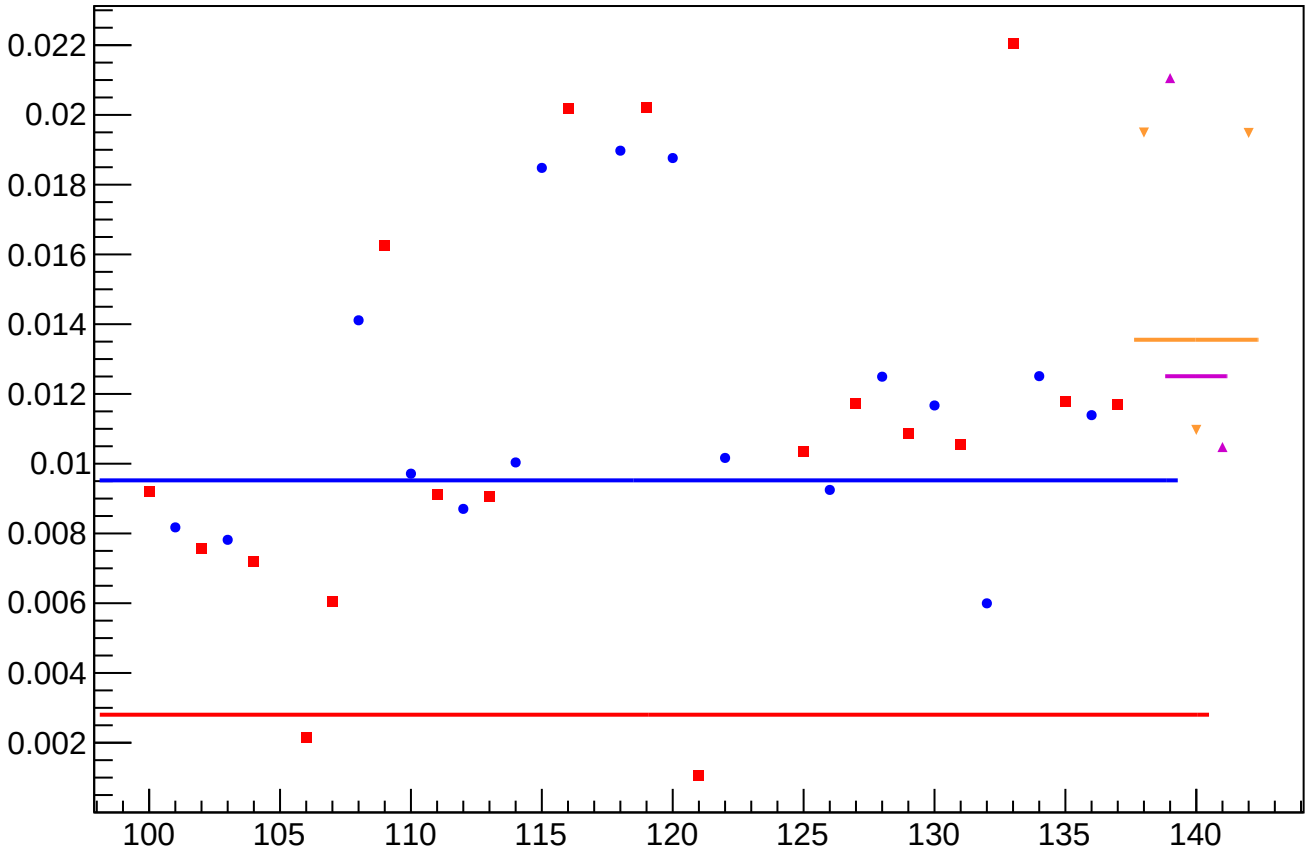
Left: 0.000+/-0.000 χ^2/NDF: 9.2/4

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:24.9/20

All: -0.000+/-0.000 χ^2/NDF: 48.1/38



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.014+/-0.000 χ^2/NDF:306289.2/2

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.013+/-0.000 χ^2/NDF:344325.0/1

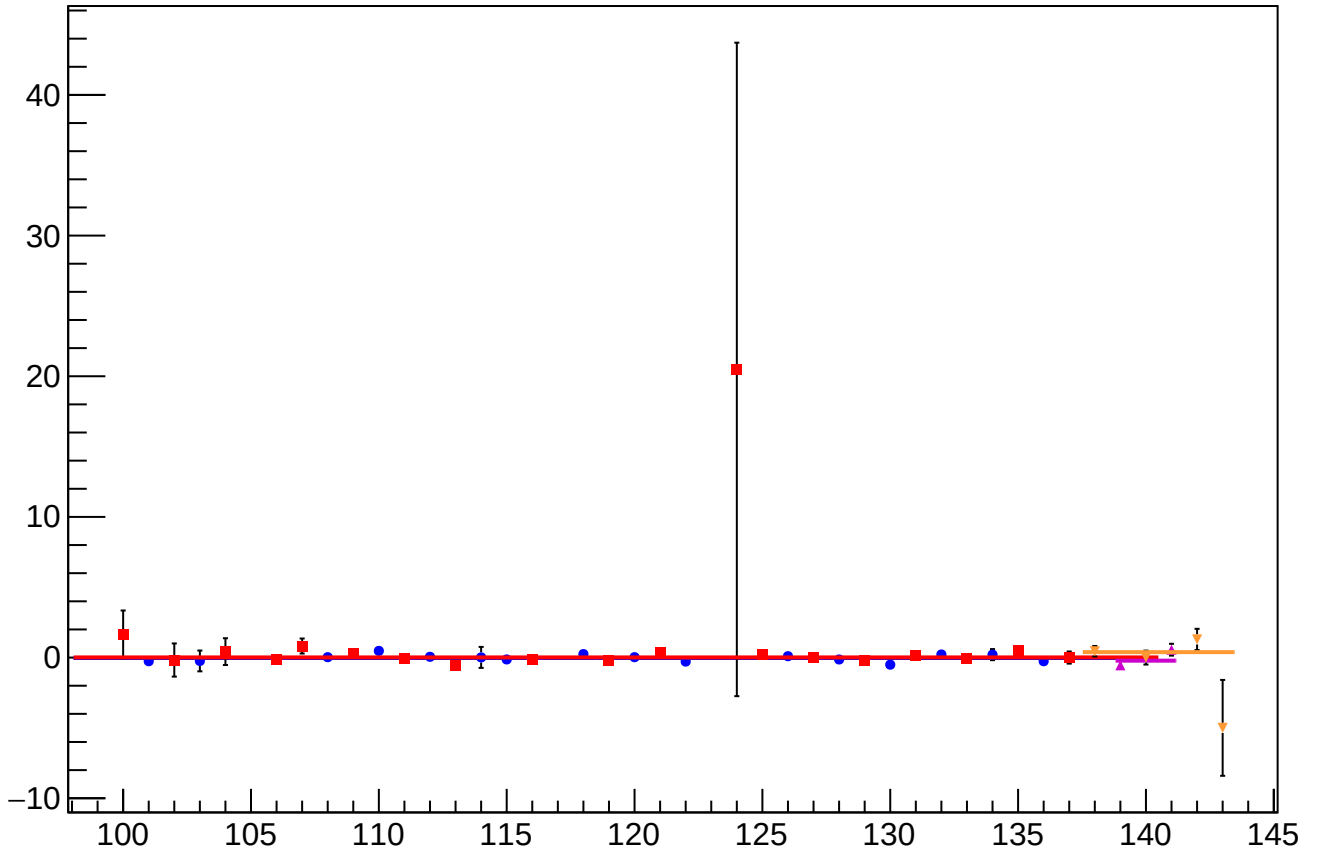
Left: 0.013+/-0.000 χ^2/NDF: 661493.9/4

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:11115838.4/20

All: 0.004+/-0.000 χ^2/NDF: 18796262.3/38



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

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: 0.027+/-0.176 χ^2/NDF: 12.3/5

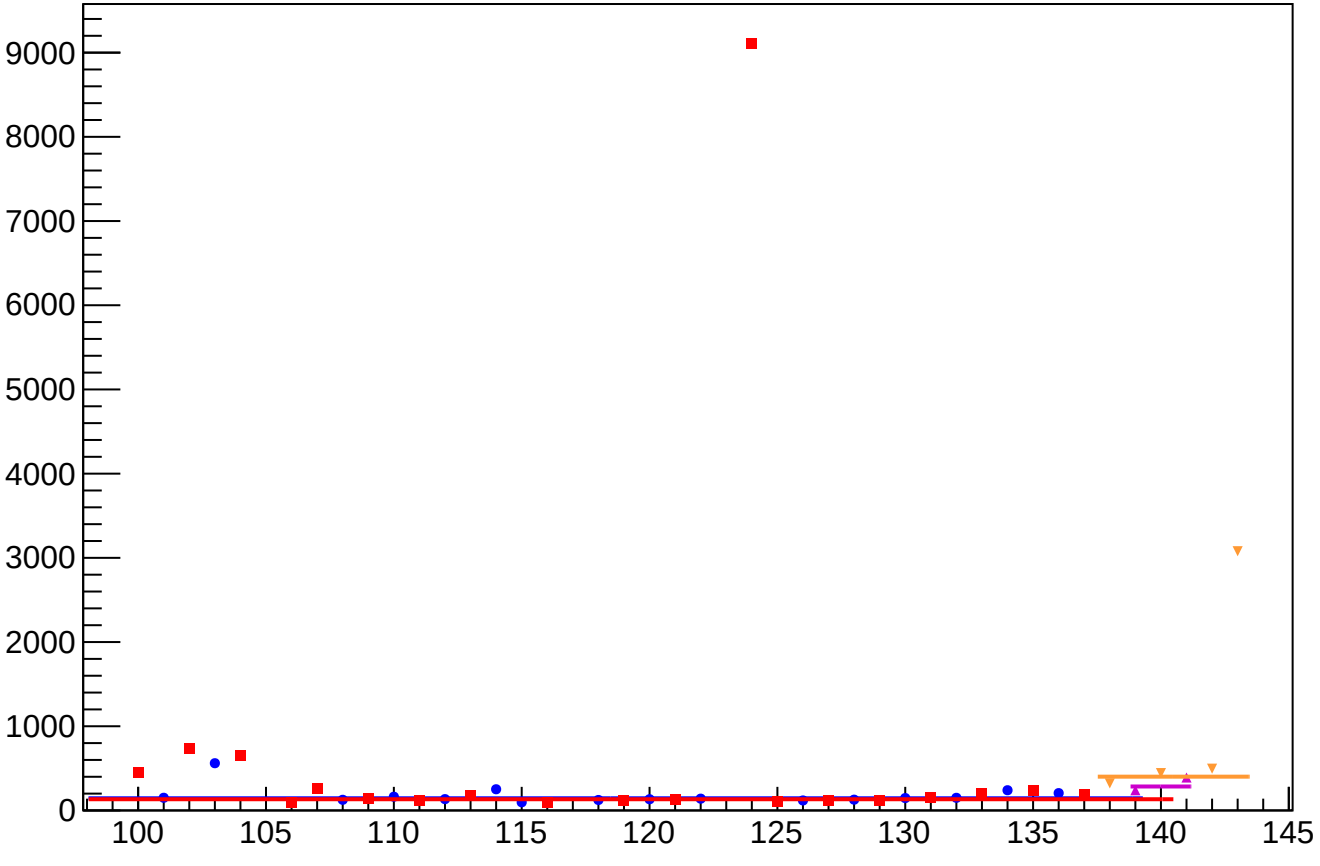
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.007+/-0.039 χ^2/NDF: 51.6/40

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: 401.347+/-0.196 χ^2/NDF:1371677.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 284.616+/-0.162 χ^2/NDF:181971.0/1

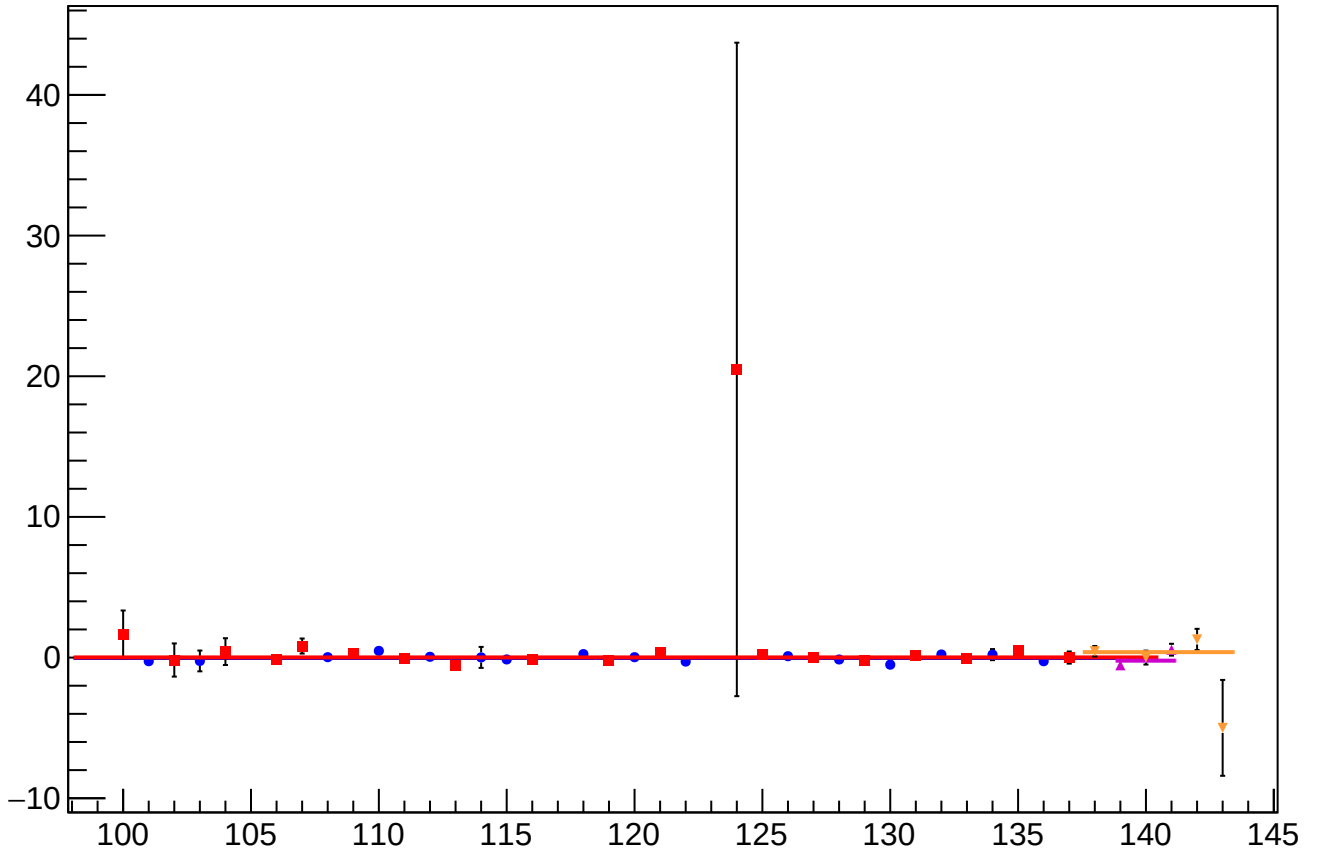
Left: 332.033+/-0.125 χ^2/NDF: 1764810.9/5

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 152.704+/-0.040 χ^2/NDF:2016984.8/17

Out: 143.978+/-0.039 χ^2/NDF:5393026.7/22

All: 148.286+/-0.028 χ^2/NDF: 7434535.2/40



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.387+/-0.277 χ^2/NDF:4.6/3

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: 0.027+/-0.176 χ^2/NDF: 12.3/5

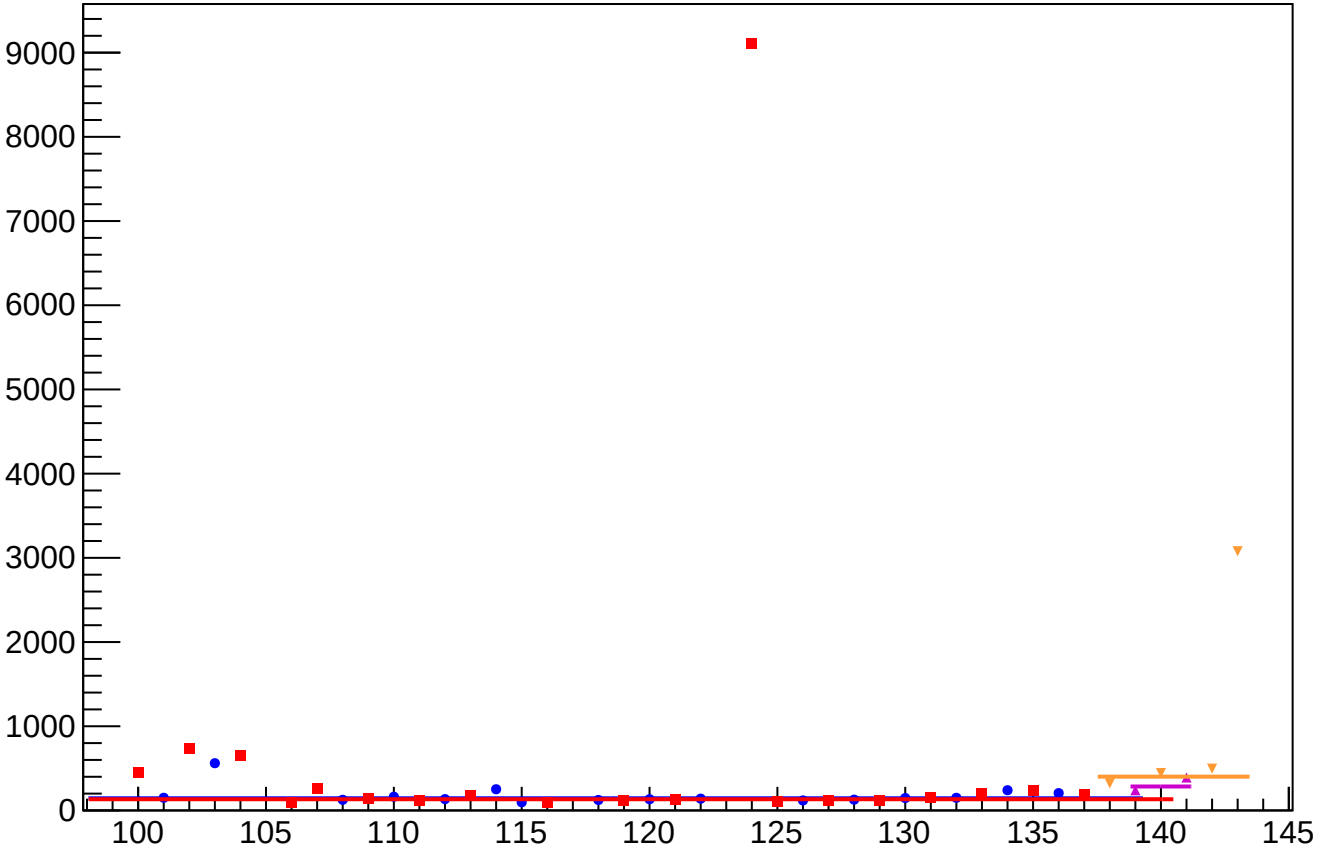
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.040+/-0.056 χ^2/NDF:22.8/17

Out: 0.026+/-0.055 χ^2/NDF:28.2/22

All: -0.007+/-0.039 χ^2/NDF: 51.6/40

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: 401.347+/-0.196 χ^2/NDF:1371677.3/3

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 284.616+/-0.162 χ^2/NDF:181971.0/1

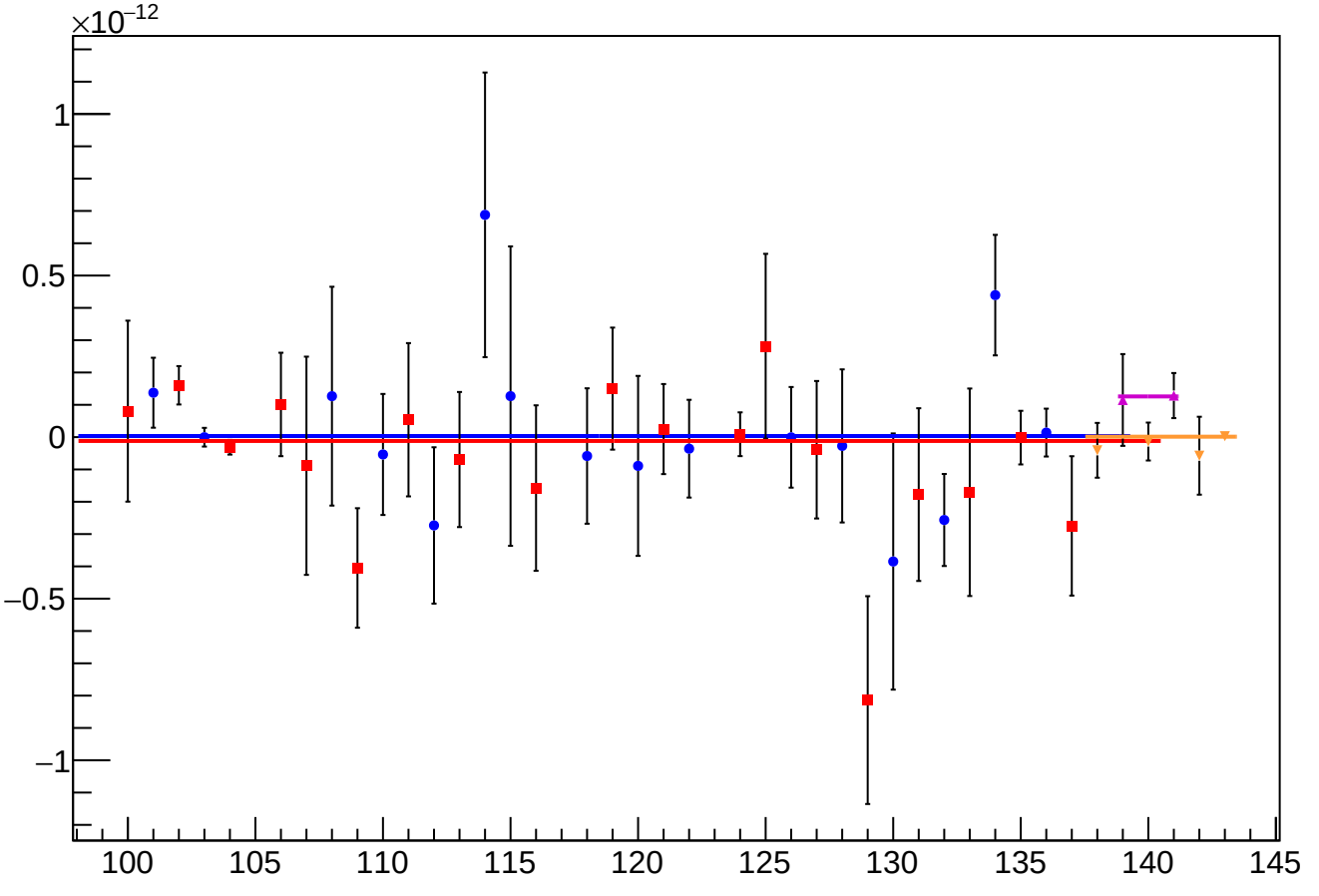
Left: 332.033+/-0.125 χ^2/NDF: 1764810.9/5

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 152.704+/-0.040 χ^2/NDF:2016984.8/17

Out: 143.978+/-0.039 χ^2/NDF:5393026.7/22

All: 148.286+/-0.028 χ^2/NDF: 7434535.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

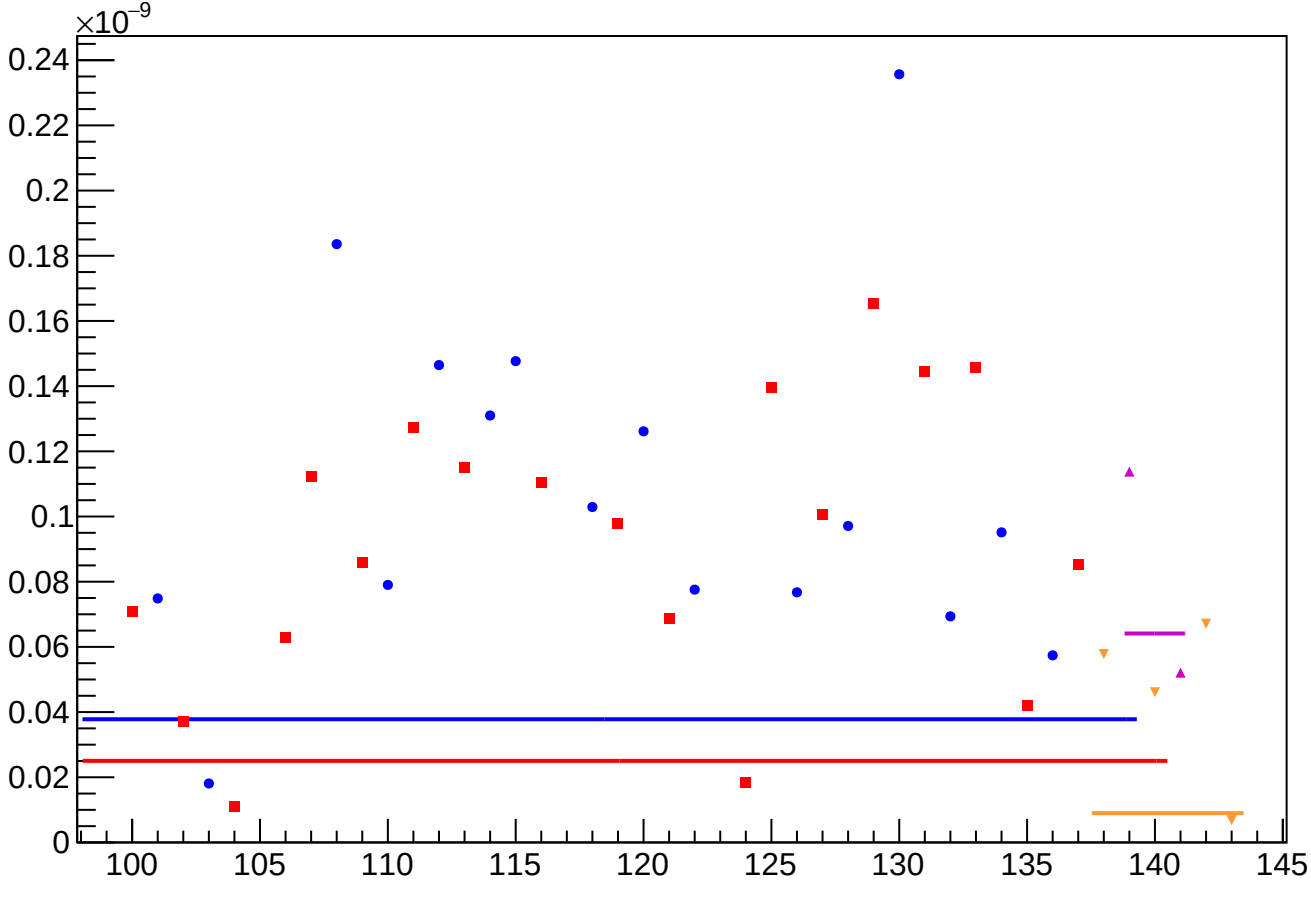
Left: 0.000+/-0.000 χ^2/NDF: 4.4/5

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:26.1/22

All: 0.000+/-0.000 χ^2/NDF: 45.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2017755.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:303958.4/1

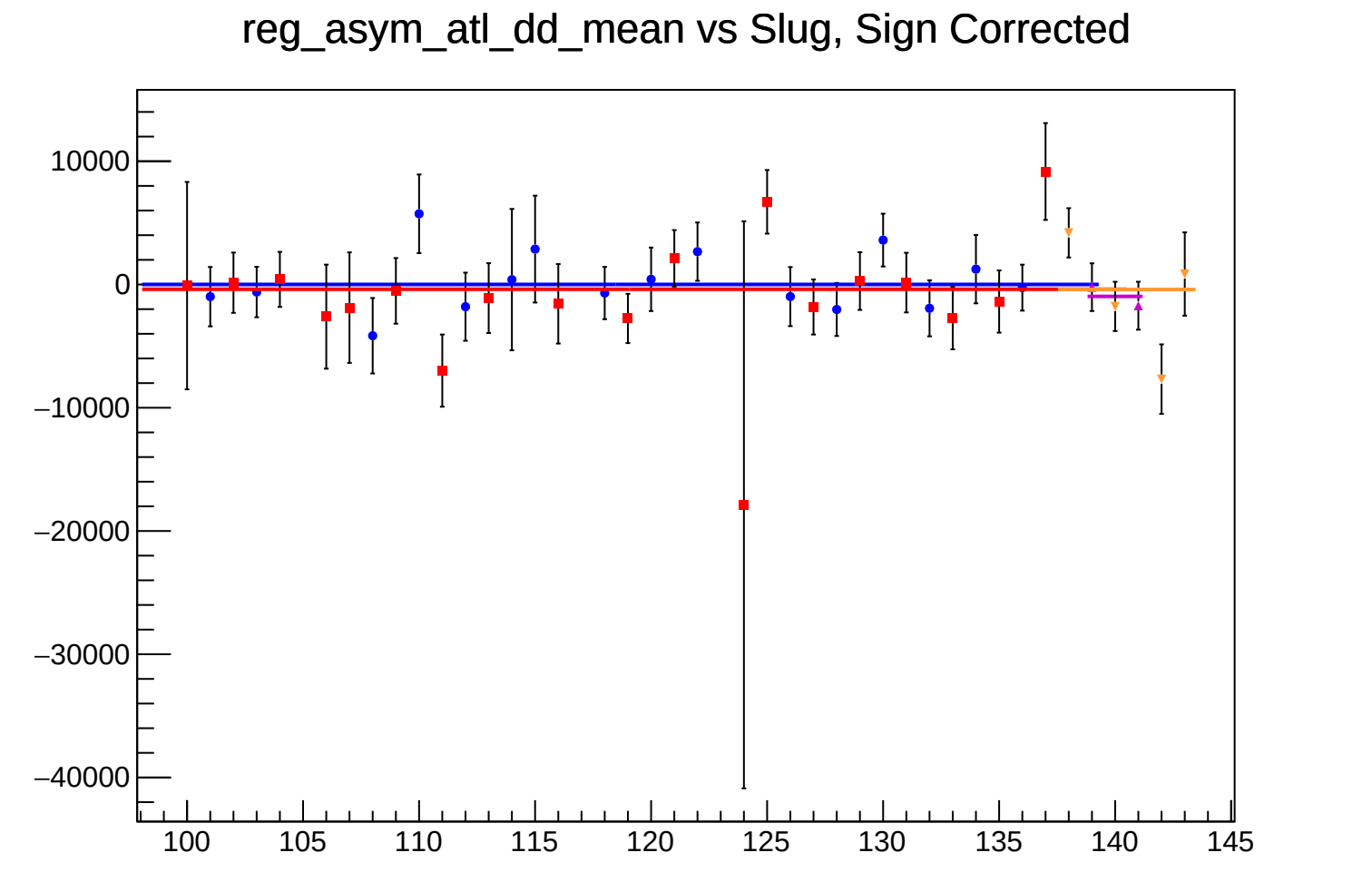
Left: 0.000+/-0.000 χ^2/NDF: 3832900.6/5

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:7888201.0/22

All: 0.000+/-0.000 χ^2/NDF: 15299731.8/40



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: -404.873+/-1183.783 χ^2/NDF:12.5/3

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -965.469+/-1371.733 χ^2/NDF:0.3/1

Left: -644.163+/-896.204 χ^2/NDF: 12.9/5

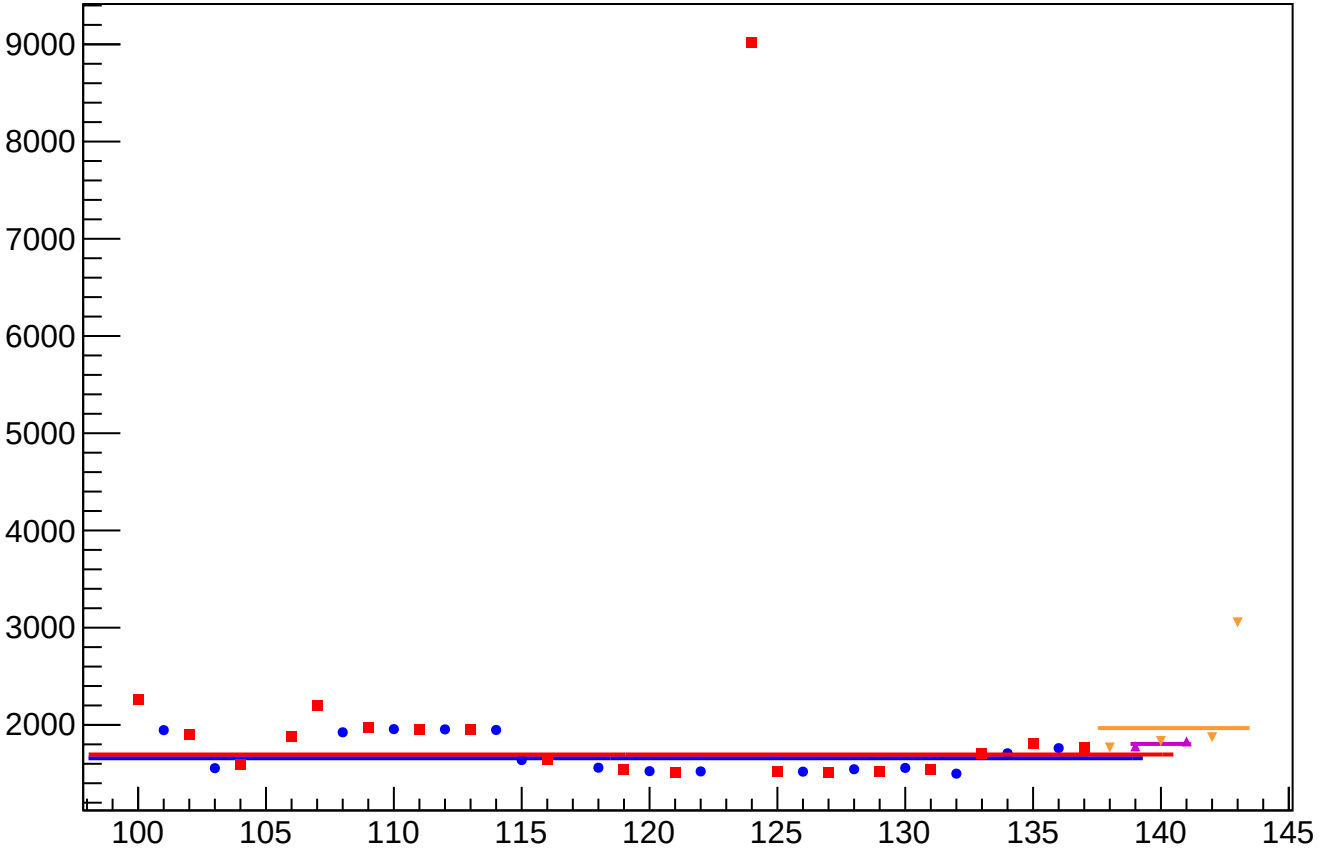
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -160.104+/-564.900 χ^2/NDF:13.2/17

Out: -389.238+/-558.674 χ^2/NDF:36.6/22

All: -275.940+/-397.225 χ^2/NDF: 49.8/40

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.6/3

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

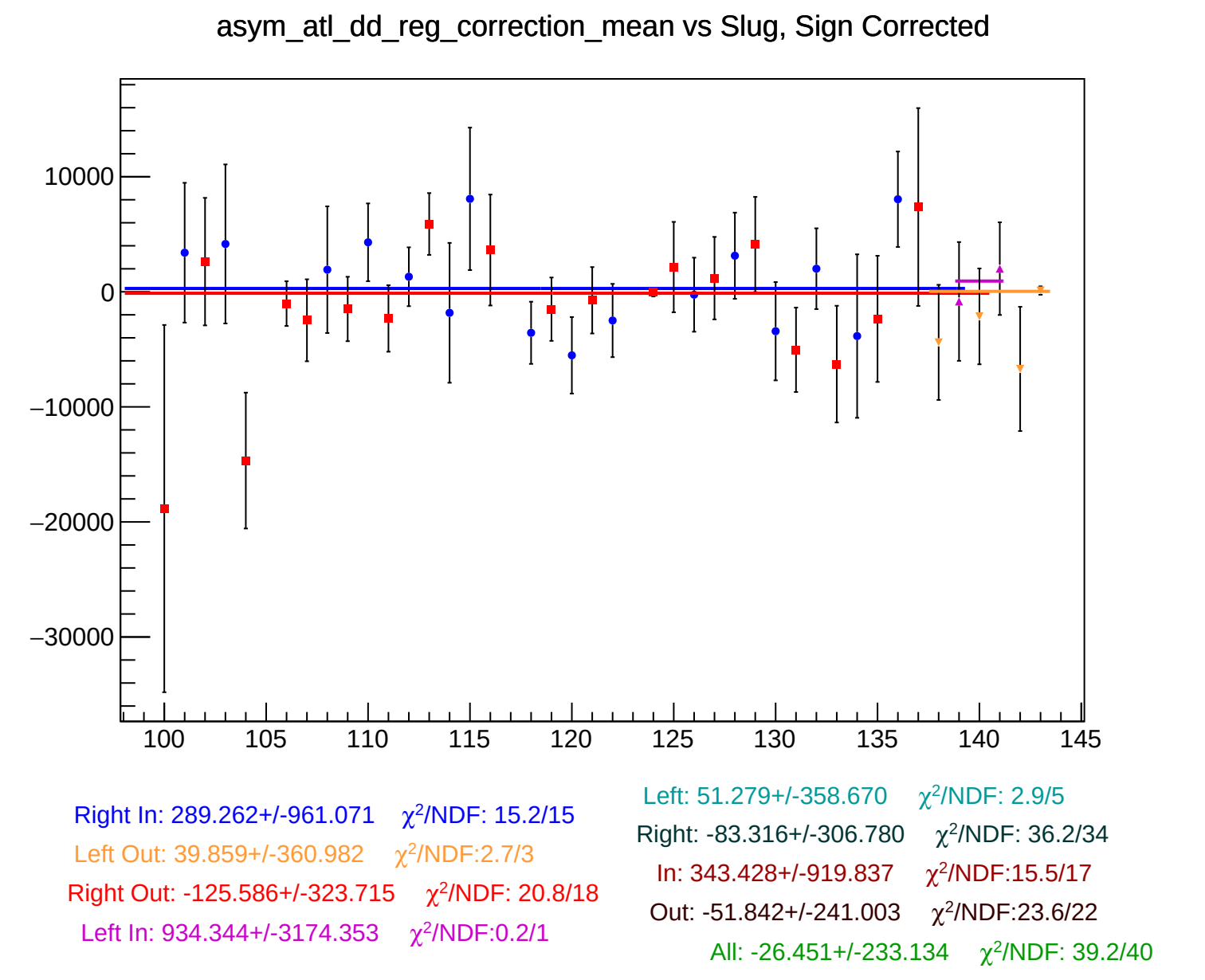
Left: 1897.913+/-0.634 χ^2/NDF: 254693.7/5

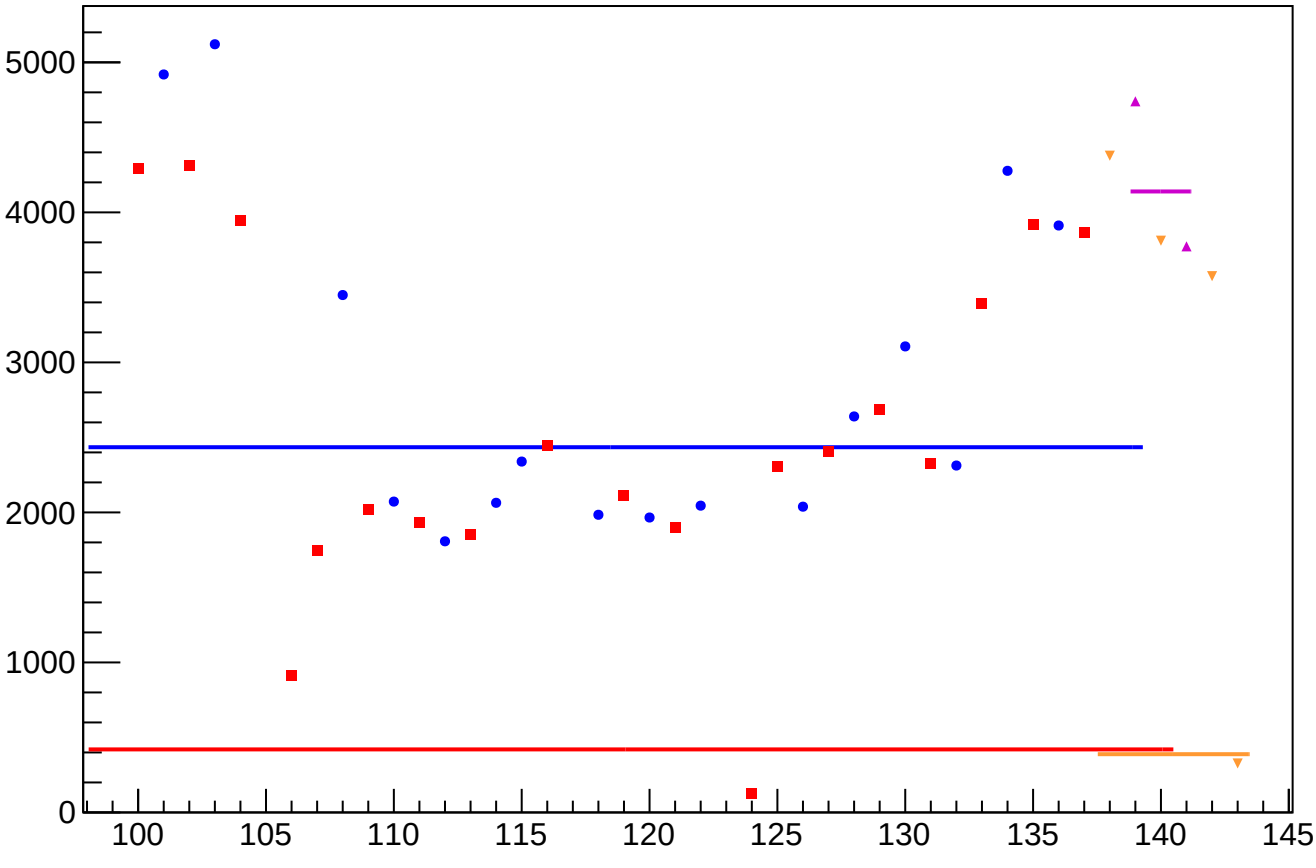
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1682.128+/-0.399 χ^2/NDF:163869.0/17

Out: 1755.746+/-0.394 χ^2/NDF:706165.9/22

All: 1719.477+/-0.280 χ^2/NDF: 887267.5/40


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: 39.859+/-360.982 χ²/NDF:2.7/3
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: 934.344+/-3174.353 χ²/NDF:0.2/1
Left: 51.279+/-358.670 χ²/NDF: 2.9/5
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: 343.428+/-919.837 χ²/NDF:15.5/17
Out: -51.842+/-241.003 χ²/NDF:23.6/22
All: -26.451+/-233.134 χ²/NDF: 39.2/40



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 388.396+/-0.255 χ^2/NDF:3376789.0/3

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4139.377+/-2.245 χ^2/NDF:43638.1/1

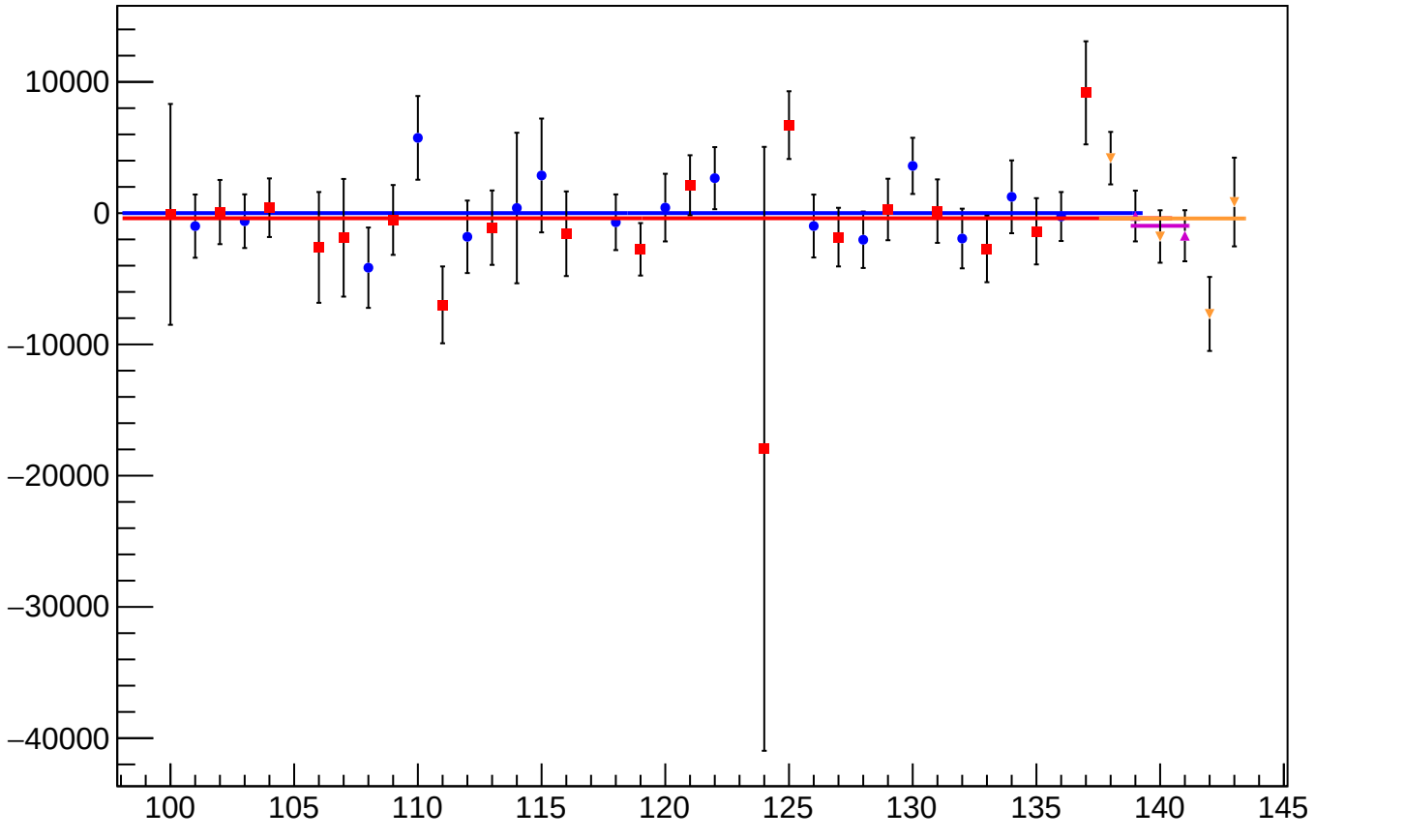
Left: 436.284+/-0.254 χ^2/NDF: 6177379.2/5

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2577.740+/-0.650 χ^2/NDF:2029767.5/17

Out: 406.075+/-0.170 χ^2/NDF:14449417.7/22

All: 545.577+/-0.165 χ^2/NDF: 26910991.3/40



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -405.015+/-1183.783 χ^2/NDF:12.5/3

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: -644.097+/-896.204 χ^2/NDF: 12.9/5

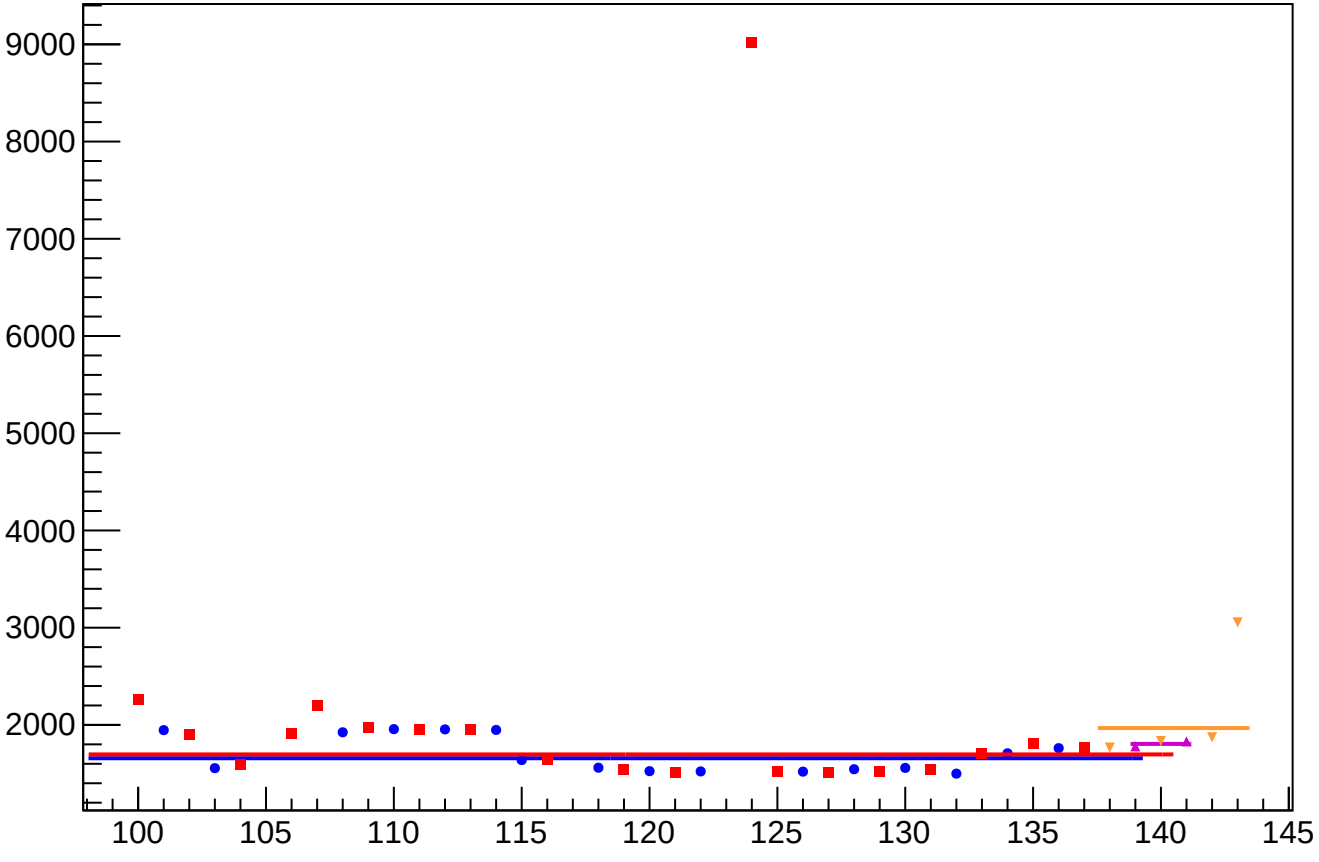
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -160.110+/-564.900 χ^2/NDF:13.2/17

Out: -392.609+/-558.678 χ^2/NDF:36.6/22

All: -277.647+/-397.226 χ^2/NDF: 49.8/40

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.7/3

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

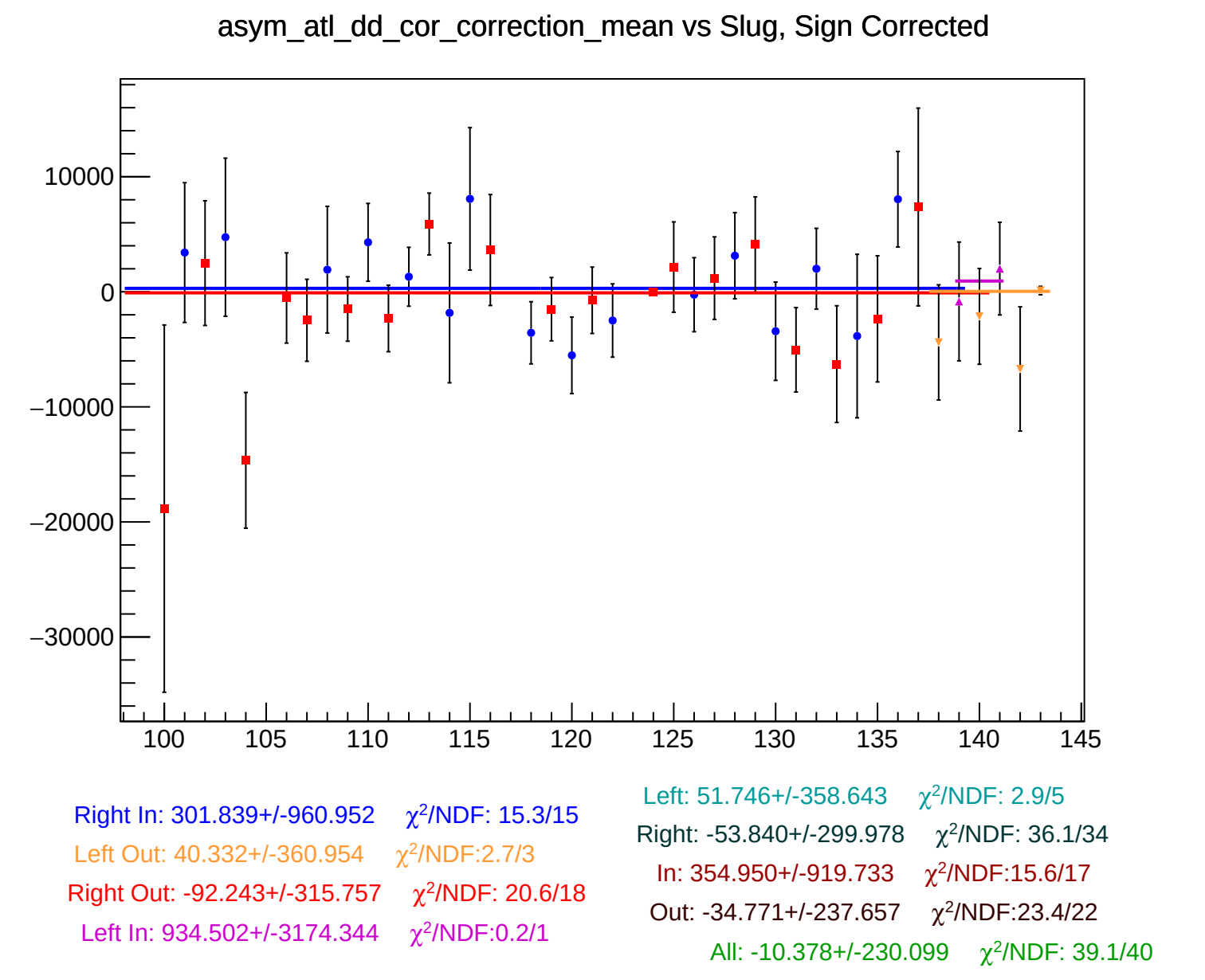
Left: 1897.913+/-0.634 χ^2/NDF: 254693.7/5

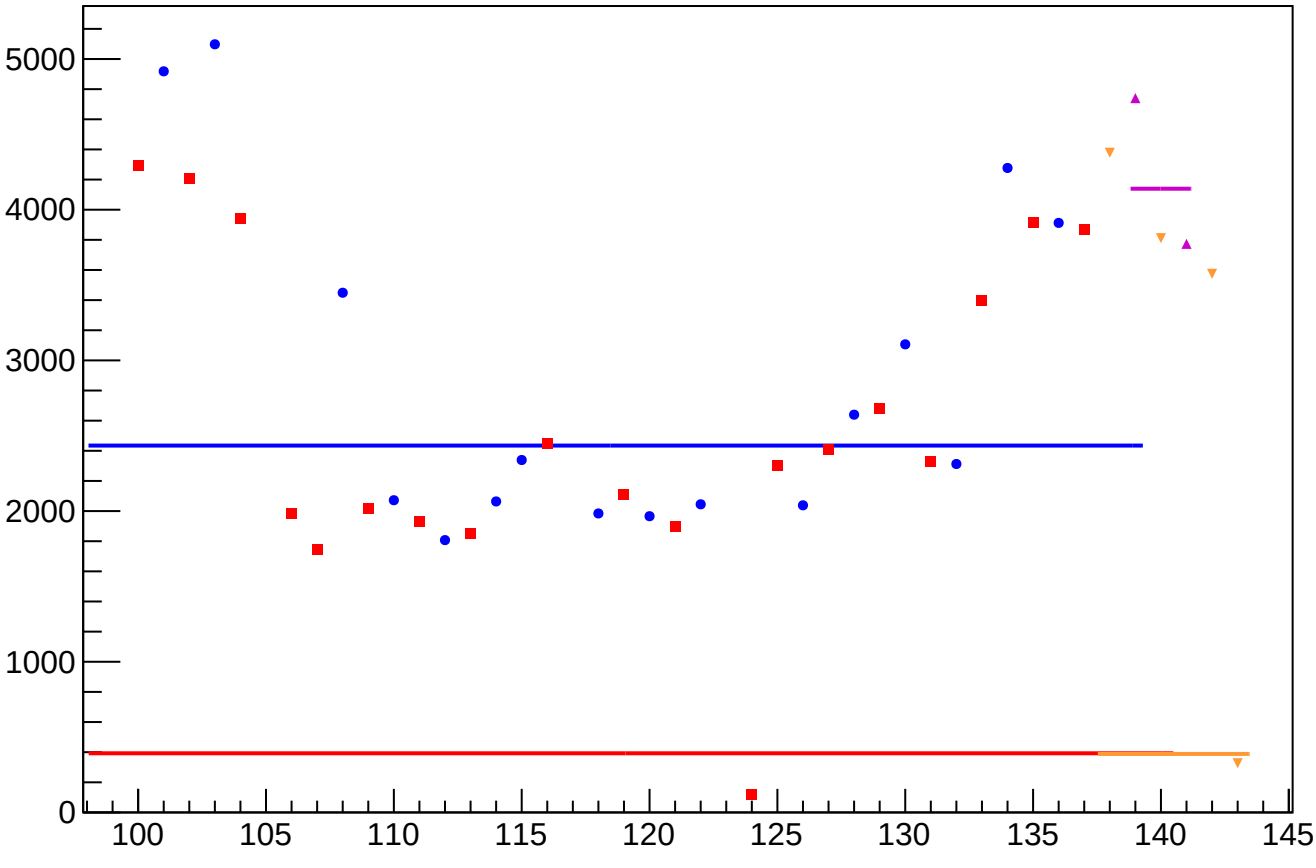
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.128+/-0.399 χ^2/NDF:163869.0/17

Out: 1756.409+/-0.394 χ^2/NDF:707428.0/22

All: 1719.799+/-0.280 χ^2/NDF: 888835.1/40


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 40.332+/-360.954 χ²/NDF:2.7/3
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: 934.502+/-3174.344 χ²/NDF:0.2/1
Left: 51.746+/-358.643 χ²/NDF: 2.9/5
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: 354.950+/-919.733 χ²/NDF:15.6/17
Out: -34.771+/-237.657 χ²/NDF:23.4/22
All: -10.378+/-230.099 χ²/NDF: 39.1/40



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 388.358+/-0.255 χ^2/NDF:3376851.1/3

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4139.366+/-2.245 χ^2/NDF:43638.0/1

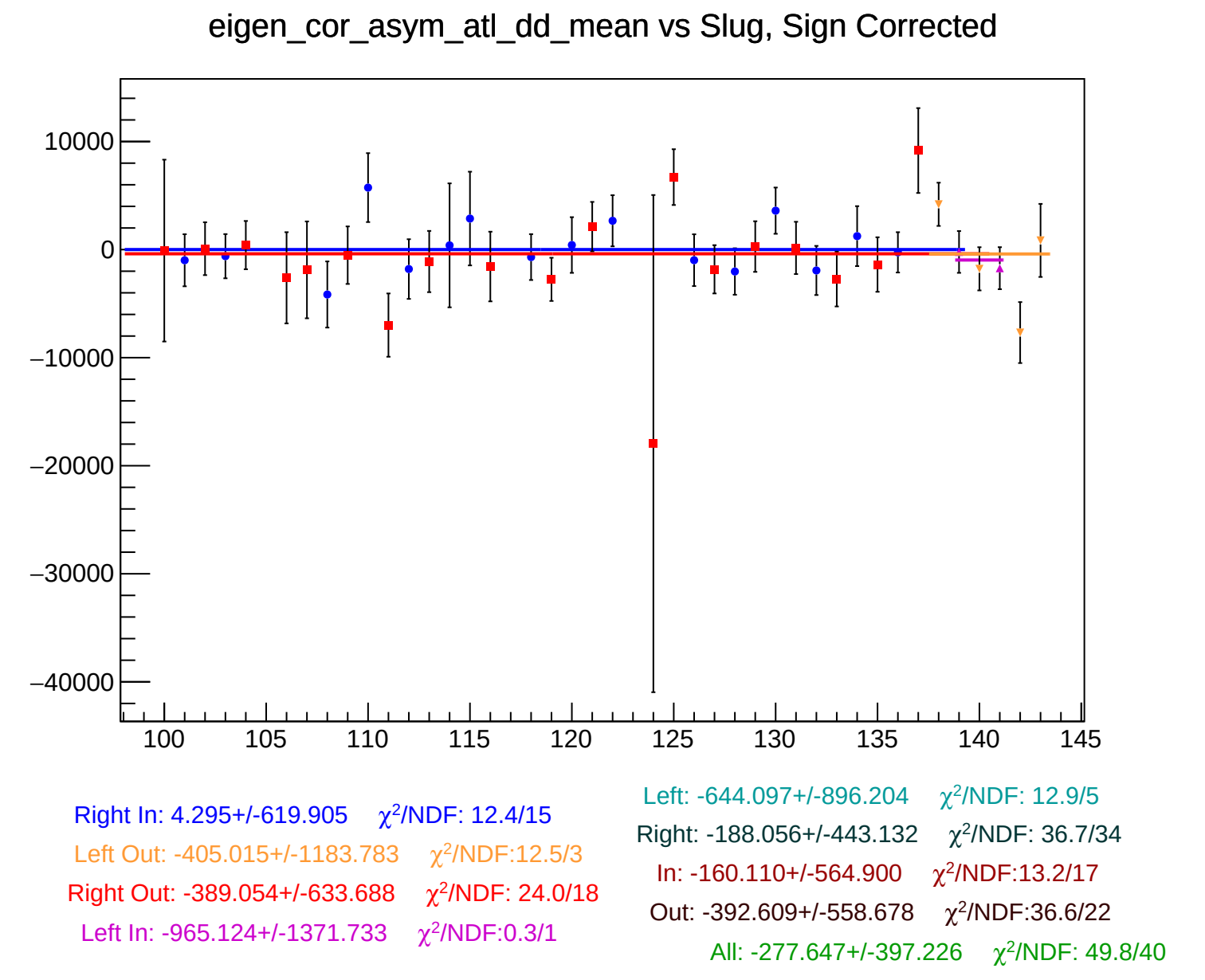
Left: 436.239+/-0.254 χ^2/NDF: 6177501.0/5

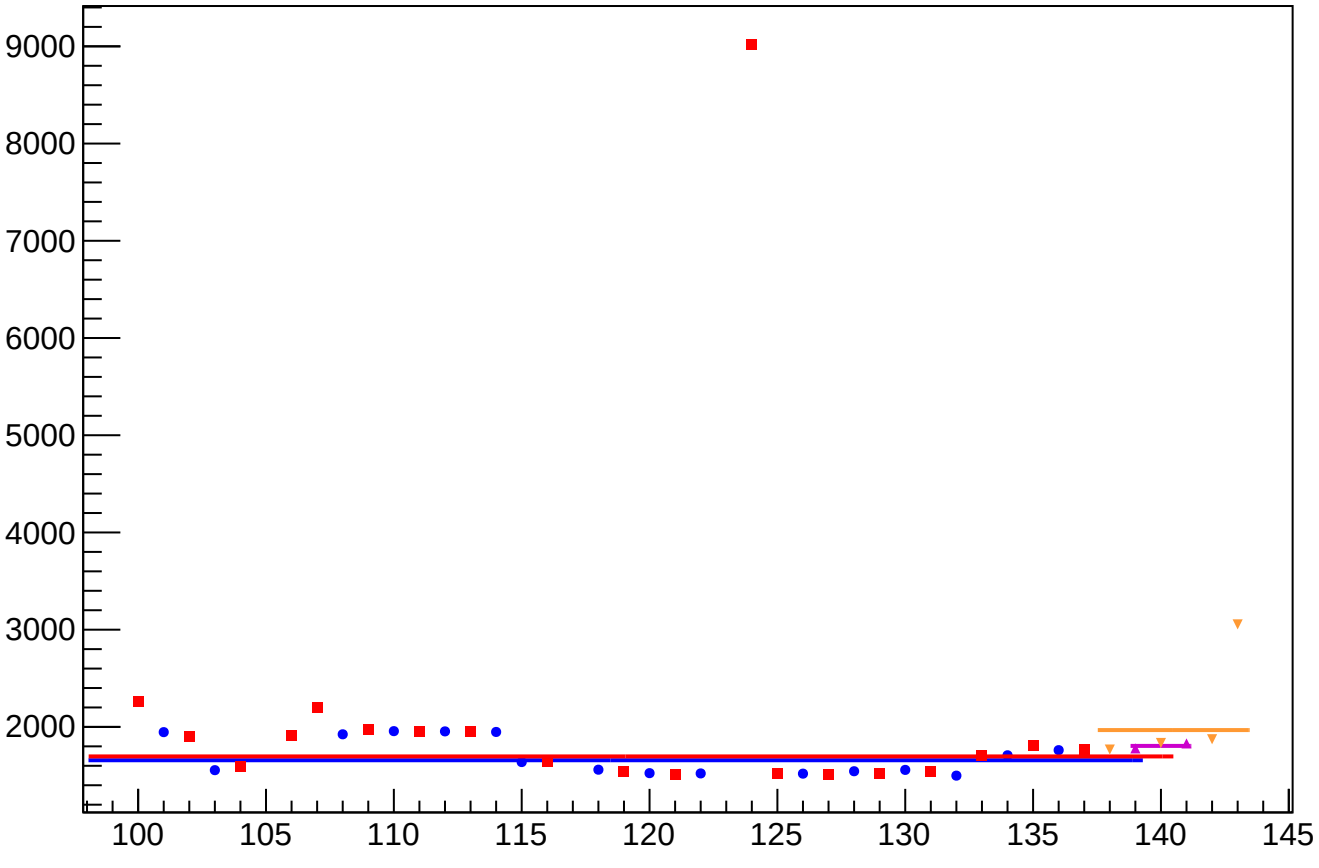
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2577.858+/-0.650 χ^2/NDF:2027977.8/17

Out: 390.798+/-0.168 χ^2/NDF:14785018.8/22

All: 527.687+/-0.163 χ^2/NDF: 27414259.9/40


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: -405.015+/-1183.783 χ²/NDF:12.5/3
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -965.124+/-1371.733 χ²/NDF:0.3/1
Left: -644.097+/-896.204 χ²/NDF: 12.9/5
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -160.110+/-564.900 χ²/NDF:13.2/17
Out: -392.609+/-558.678 χ²/NDF:36.6/22
All: -277.647+/-397.226 χ²/NDF: 49.8/40



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1967.418+/-0.837 χ^2/NDF:237848.7/3

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1804.585+/-0.970 χ^2/NDF:692.4/1

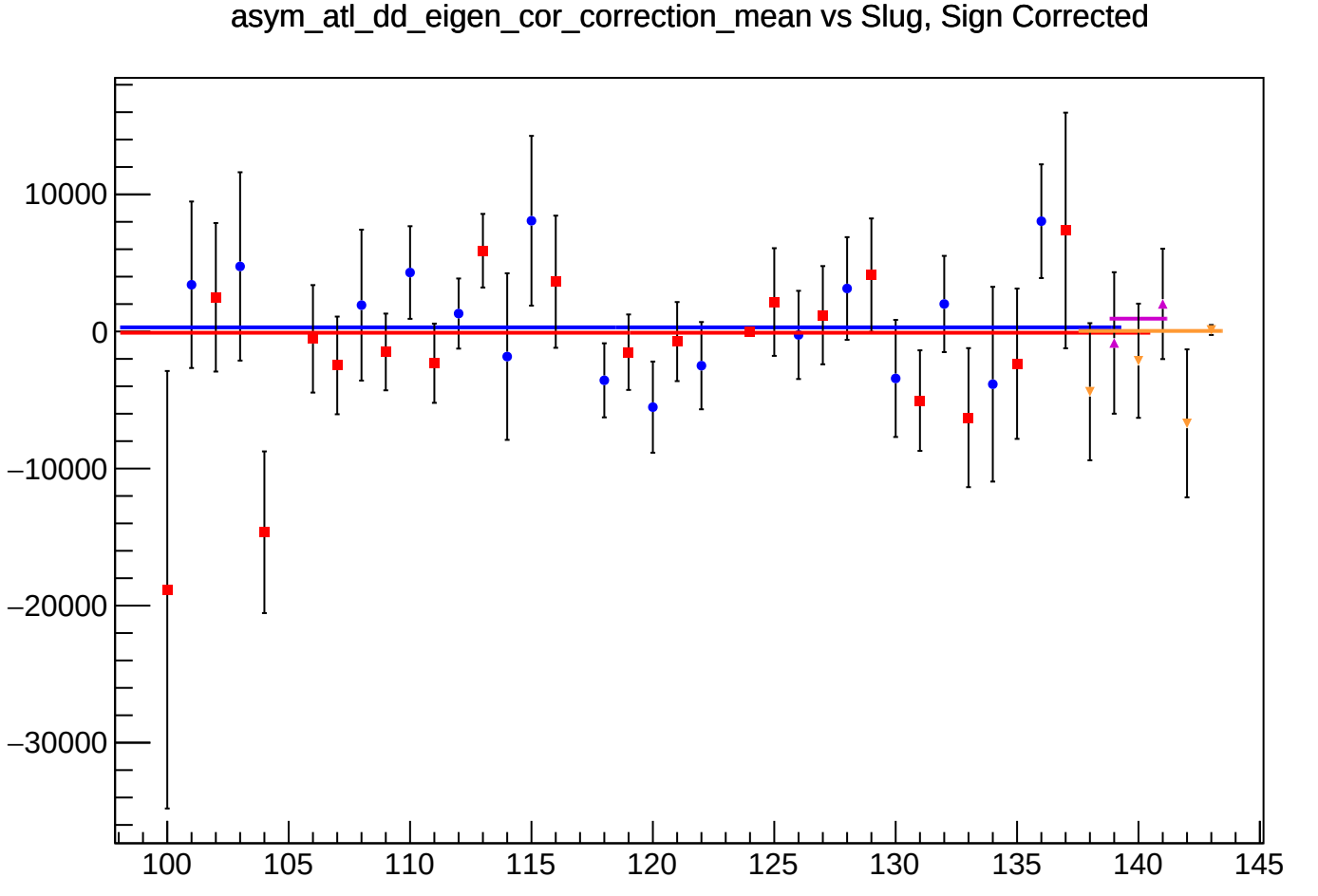
Left: 1897.913+/-0.634 χ^2/NDF: 254693.7/5

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1682.128+/-0.399 χ^2/NDF:163869.0/17

Out: 1756.409+/-0.394 χ^2/NDF:707428.0/22

All: 1719.799+/-0.280 χ^2/NDF: 888835.1/40



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 40.332+/-360.954 χ^2/NDF:2.7/3

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 934.502+/-3174.344 χ^2/NDF:0.2/1

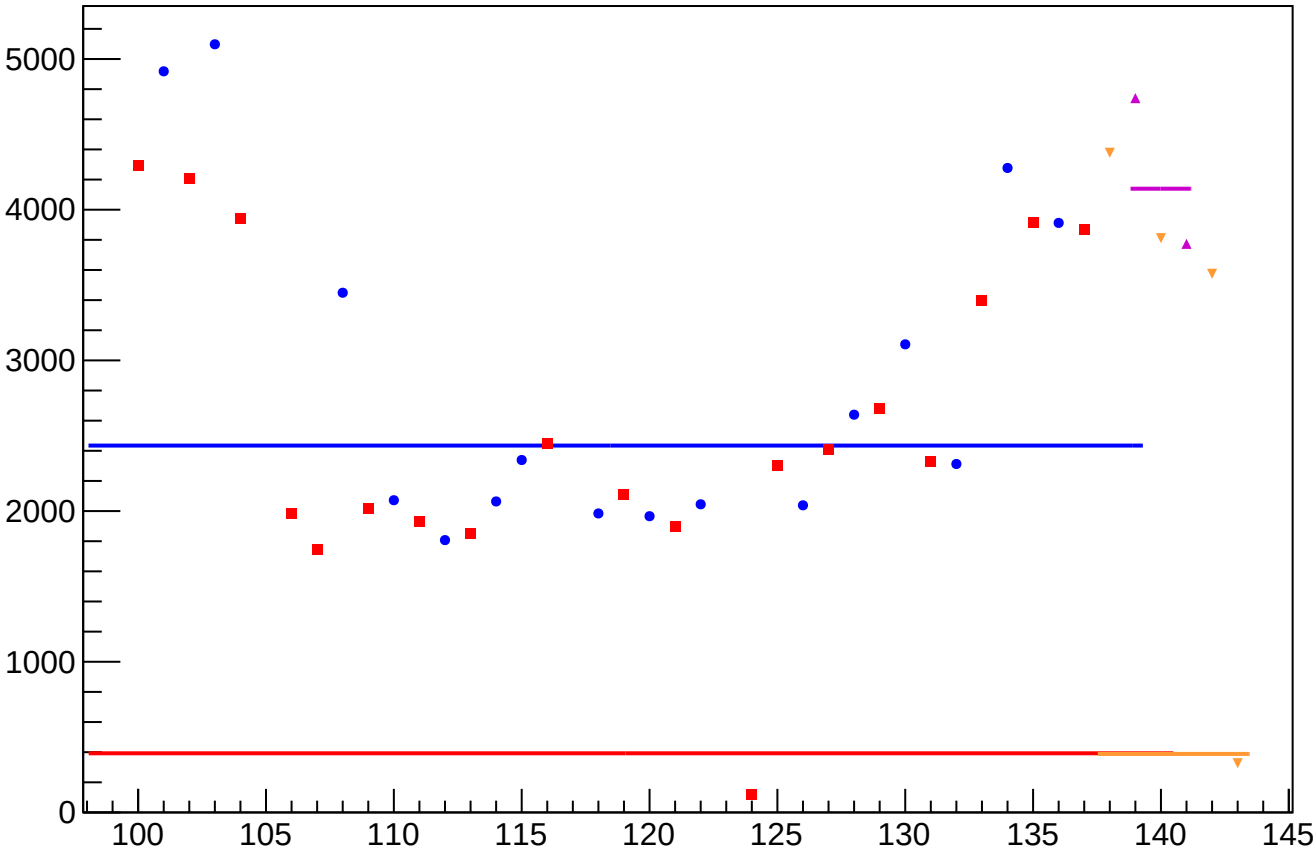
Left: 51.746+/-358.643 χ^2/NDF: 2.9/5

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 354.950+/-919.733 χ^2/NDF:15.6/17

Out: -34.771+/-237.657 χ^2/NDF:23.4/22

All: -10.378+/-230.099 χ^2/NDF: 39.1/40



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 388.358+/-0.255 χ^2/NDF:3376851.1/3

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4139.366+/-2.245 χ^2/NDF:43638.0/1

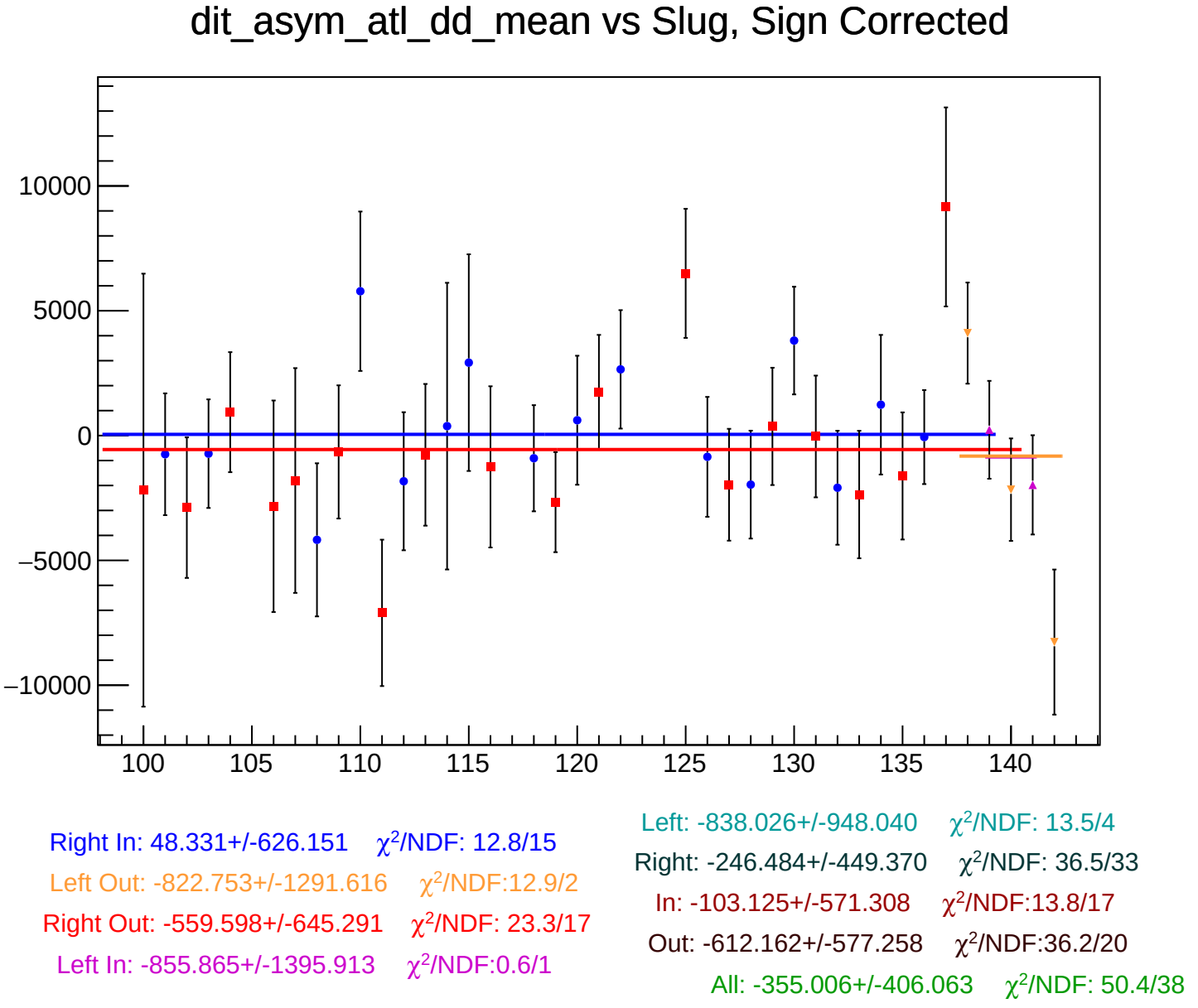
Left: 436.239+/-0.254 χ^2/NDF: 6177501.0/5

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2577.858+/-0.650 χ^2/NDF:2027977.8/17

Out: 390.798+/-0.168 χ^2/NDF:14785018.8/22

All: 527.687+/-0.163 χ^2/NDF: 27414259.9/40


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
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115
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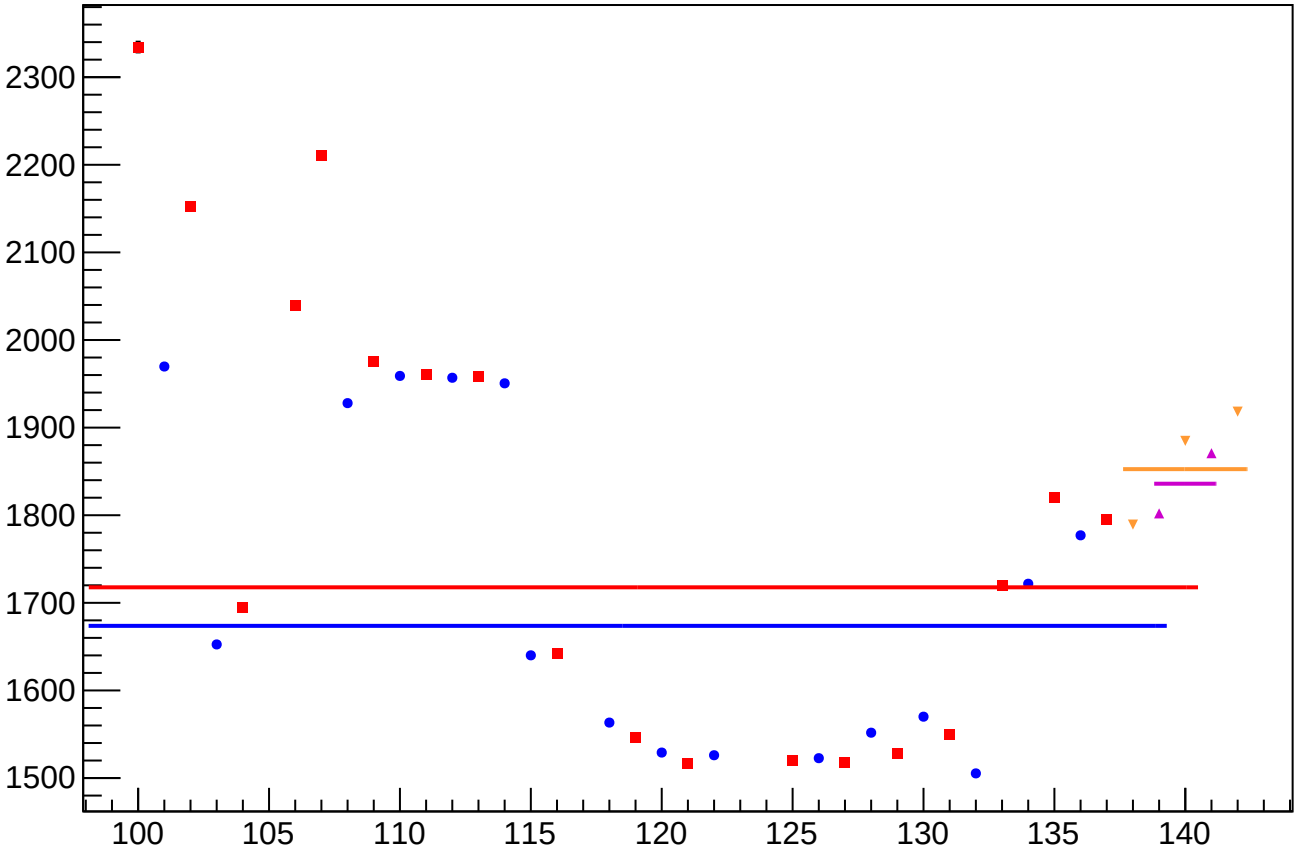
125
130
135
140
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: -822.753+/-1291.616 χ²/NDF:12.9/2
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -855.865+/-1395.913 χ²/NDF:0.6/1
Left: -838.026+/-948.040 χ²/NDF: 13.5/4
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -103.125+/-571.308 χ²/NDF:13.8/17
Out: -612.162+/-577.258 χ²/NDF:36.2/20
All: -355.006+/-406.063 χ²/NDF: 50.4/38

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1852.606+/-0.913 χ^2/NDF:3466.8/2

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1835.965+/-0.987 χ^2/NDF:1210.5/1

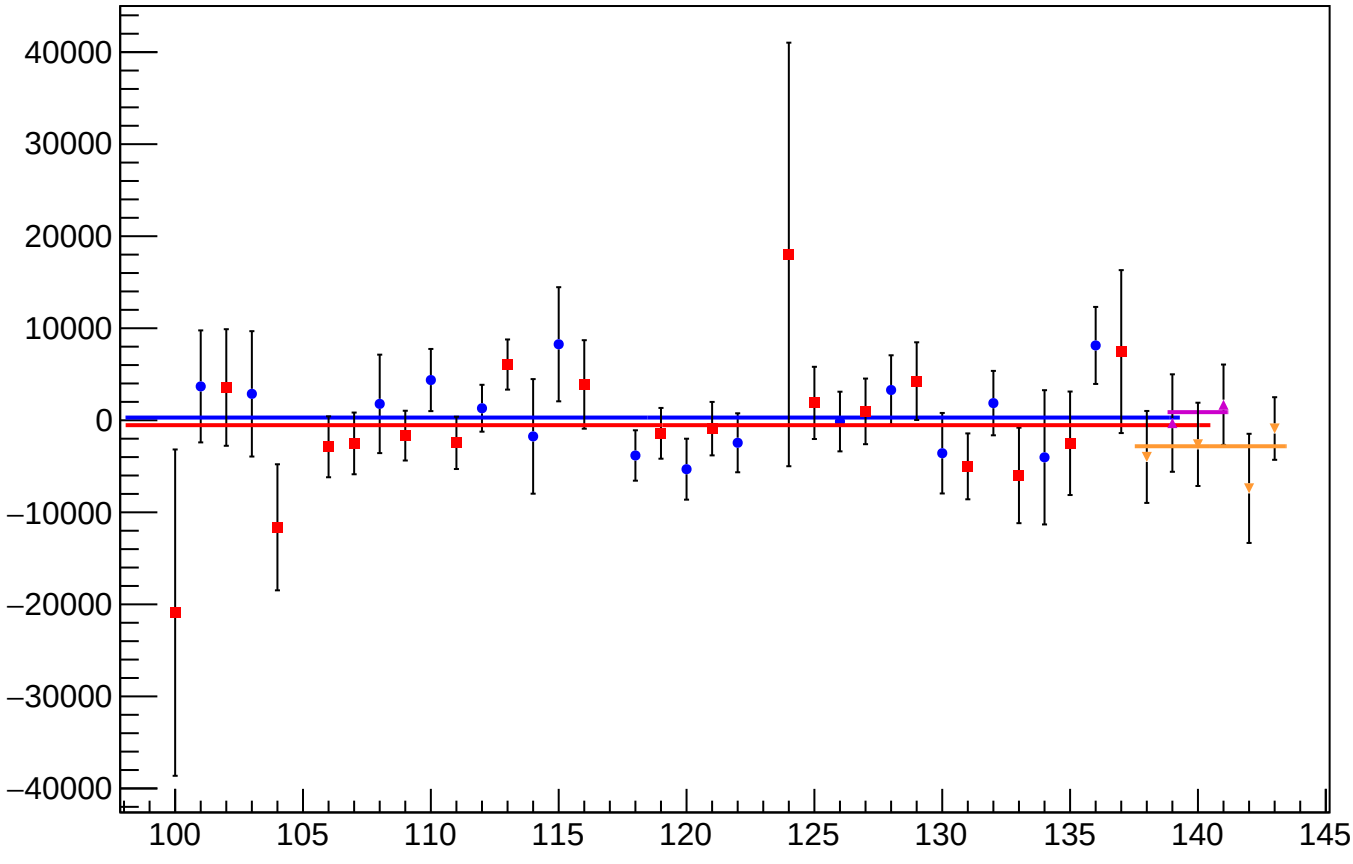
Left: 1844.930+/-0.670 χ^2/NDF: 4830.5/4

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1700.904+/-0.404 χ^2/NDF:164573.9/17

Out: 1744.558+/-0.407 χ^2/NDF:248581.9/20

All: 1722.545+/-0.287 χ^2/NDF: 418944.7/38



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2821.277+/-2215.183 χ^2/NDF:1.0/3

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: 884.142+/-3369.546 χ^2/NDF:0.1/1

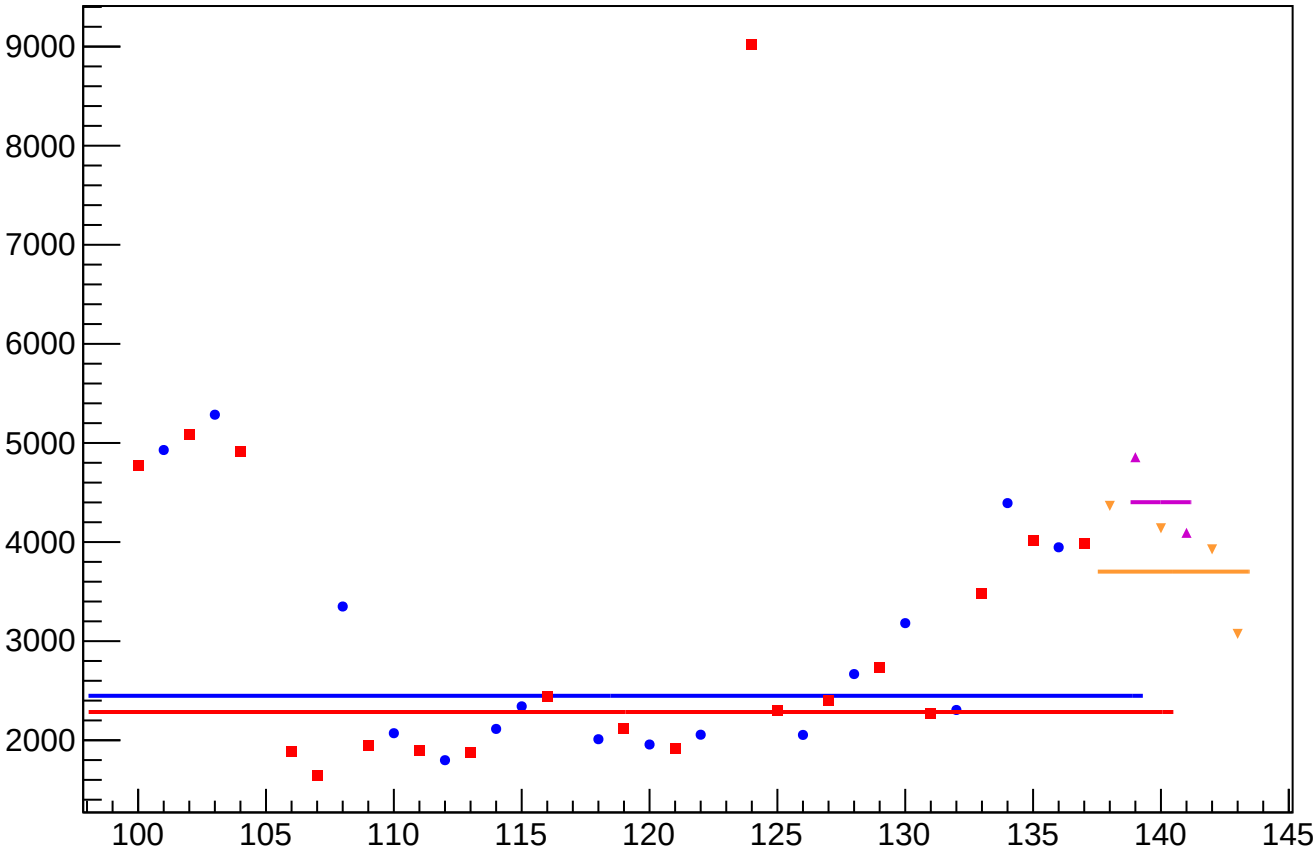
Left: -1703.095+/-1851.011 χ^2/NDF: 1.9/5

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 341.032+/-927.418 χ^2/NDF:15.4/17

Out: -845.614+/-821.013 χ^2/NDF:20.7/22

All: -324.241+/-614.737 χ^2/NDF: 37.0/40



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3701.775+/-1.566 χ^2/NDF:125123.6/3

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4402.373+/-2.383 χ^2/NDF:24715.5/1

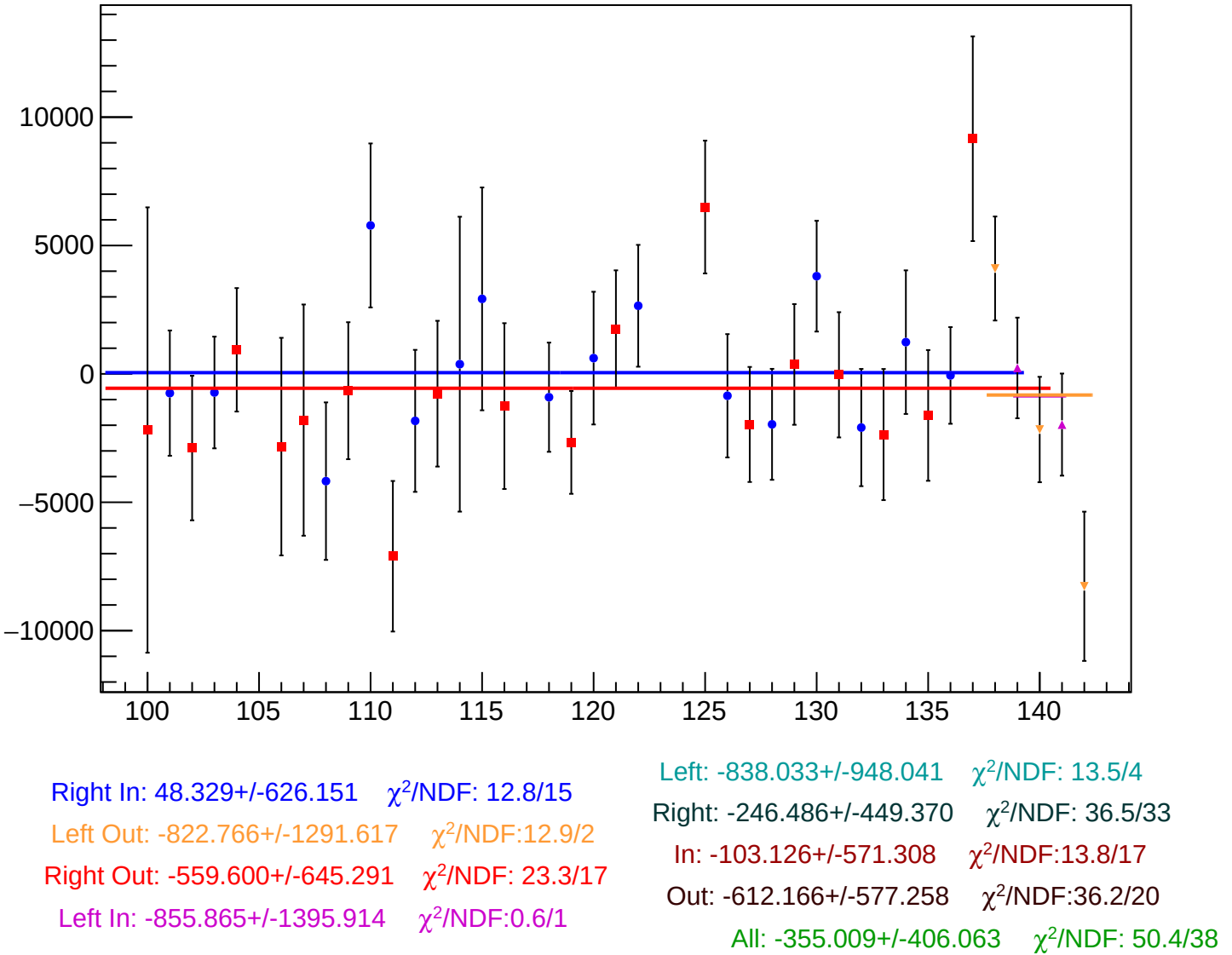
Left: 3913.194+/-1.309 χ^2/NDF: 210209.5/5

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2596.605+/-0.656 χ^2/NDF:2163776.1/17

Out: 2479.682+/-0.581 χ^2/NDF:2379598.9/22

All: 2531.054+/-0.435 χ^2/NDF: 4561197.2/40


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
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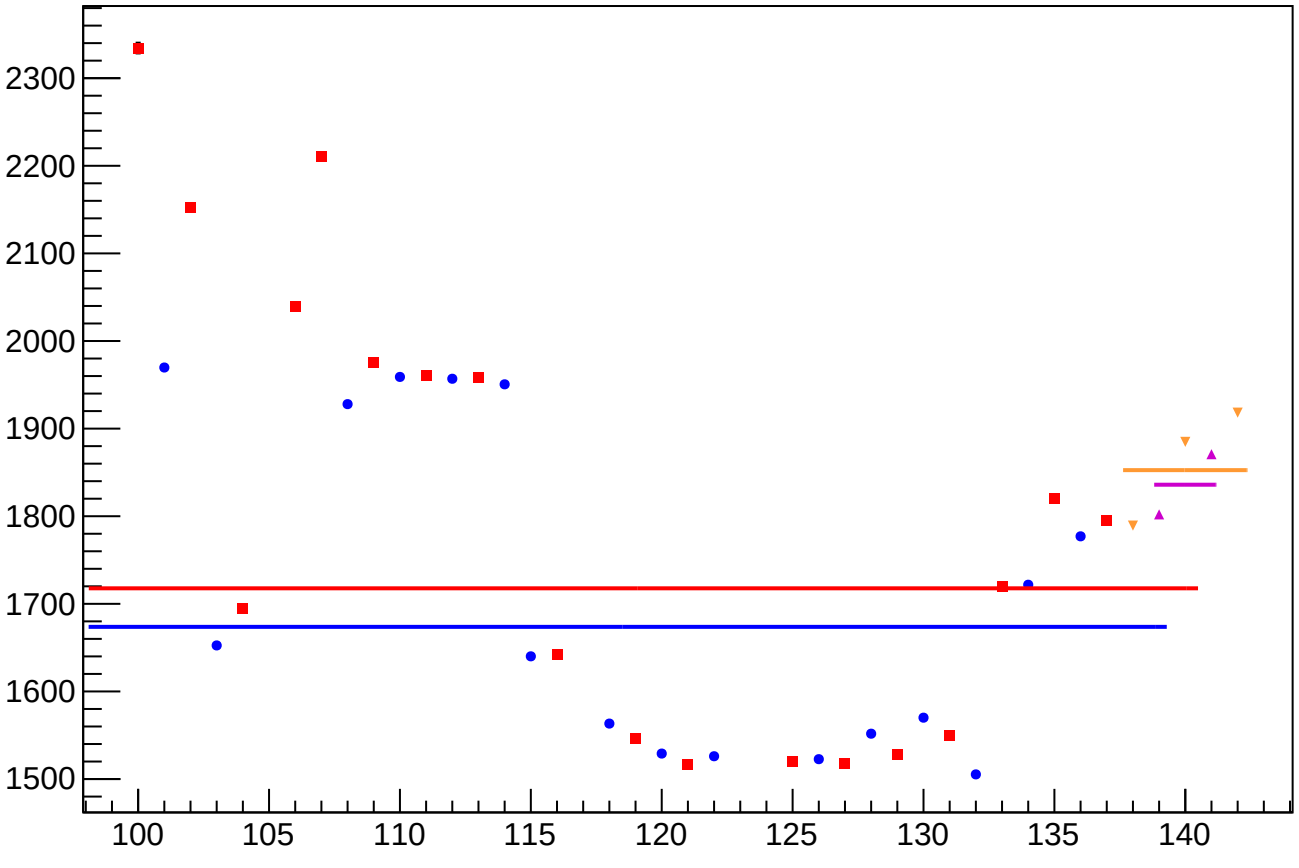
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: -822.766+/-1291.617 χ²/NDF:12.9/2
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -855.865+/-1395.914 χ²/NDF:0.6/1
Left: -838.033+/-948.041 χ²/NDF: 13.5/4
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -103.126+/-571.308 χ²/NDF:13.8/17
Out: -612.166+/-577.258 χ²/NDF:36.2/20
All: -355.009+/-406.063 χ²/NDF: 50.4/38



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1852.607+/-0.913 χ^2/NDF:3466.9/2

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1835.967+/-0.987 χ^2/NDF:1210.5/1

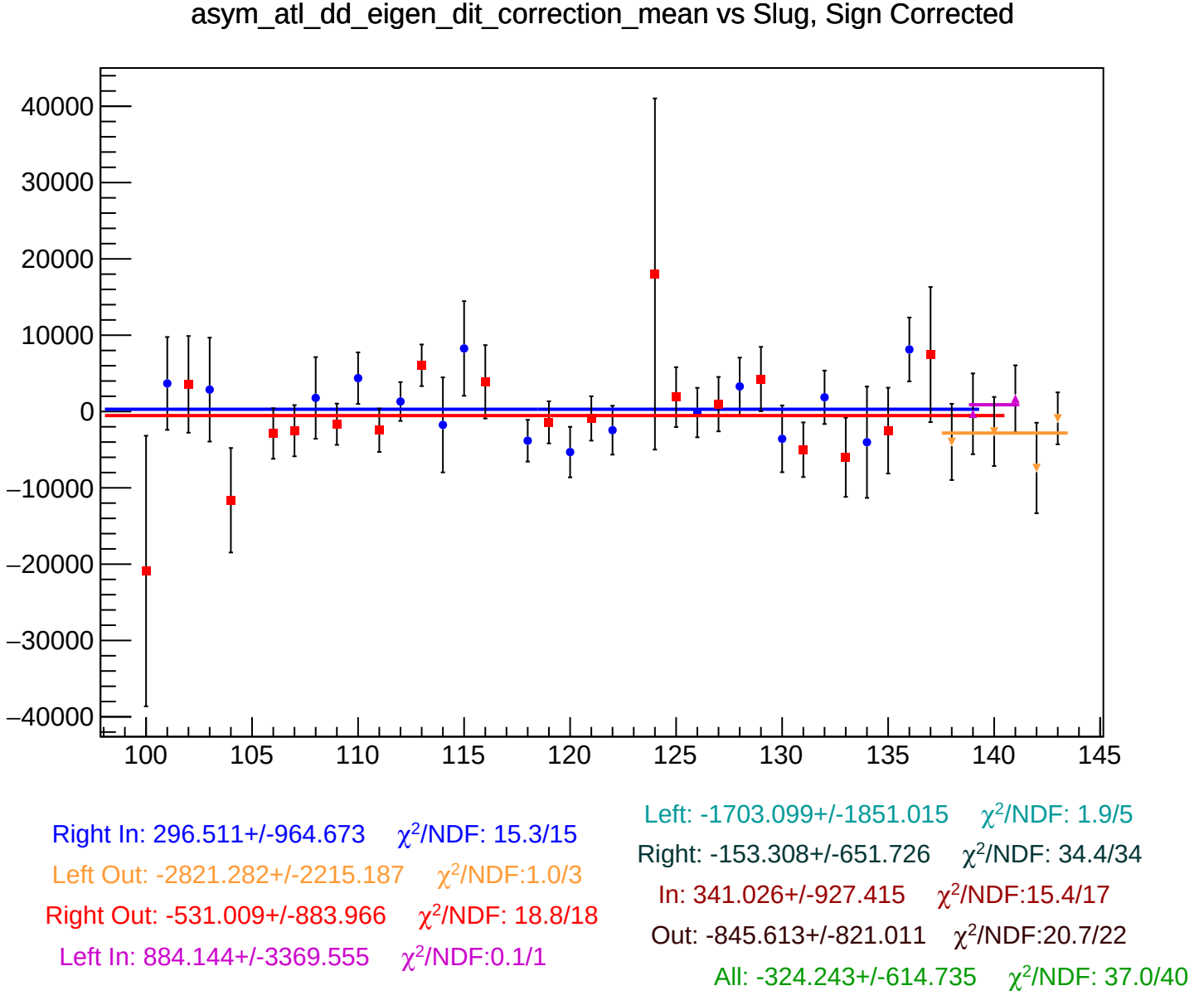
Left: 1844.931+/-0.670 χ^2/NDF: 4830.6/4

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1700.904+/-0.404 χ^2/NDF:164574.3/17

Out: 1744.558+/-0.407 χ^2/NDF:248581.5/20

All: 1722.545+/-0.287 χ^2/NDF: 418944.7/38


asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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−40000
100
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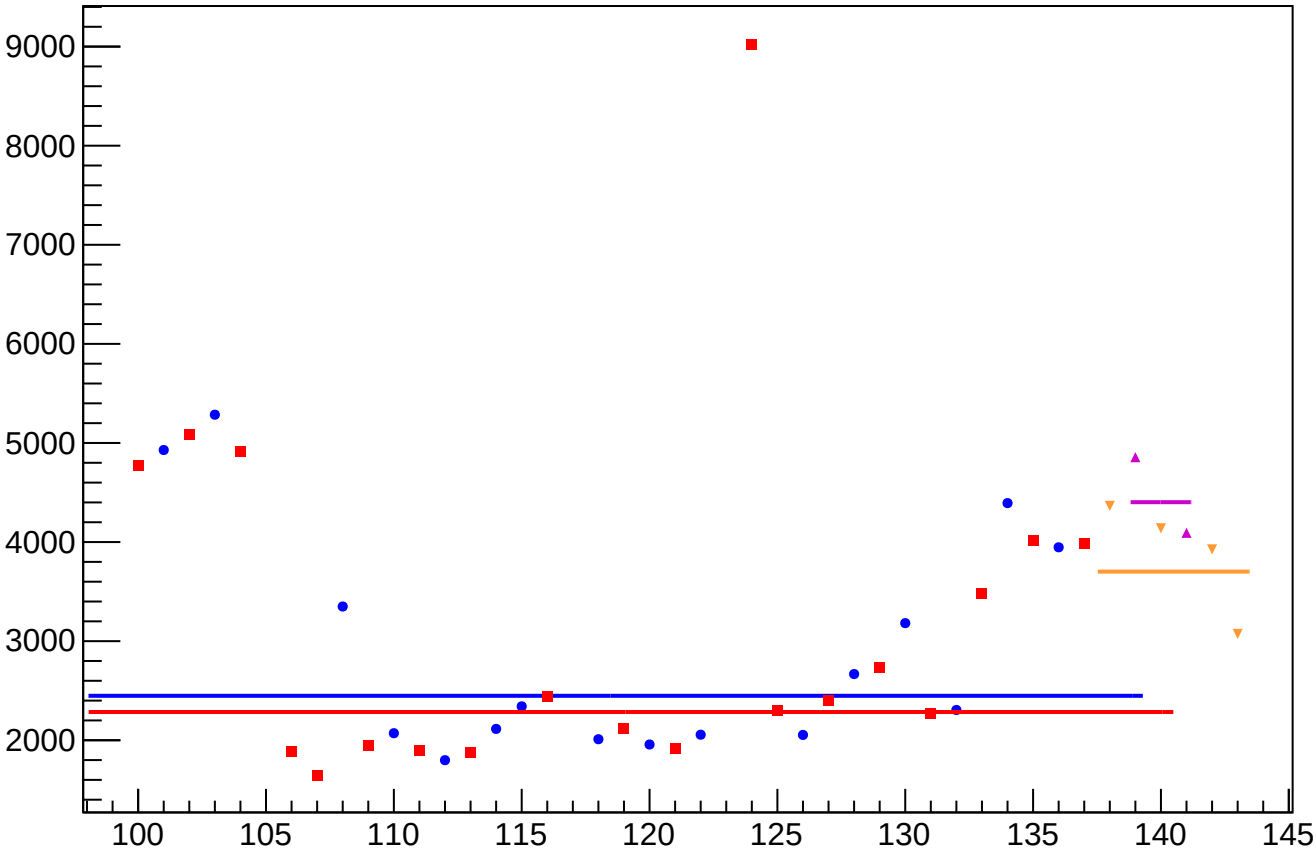
135
140
145
Right In: 296.511+/-964.673 χ²/NDF: 15.3/15
Left Out: -2821.282+/-2215.187 χ²/NDF:1.0/3
Right Out: -531.009+/-883.966 χ²/NDF: 18.8/18
Left In: 884.144+/-3369.555 χ²/NDF:0.1/1
Left: -1703.099+/-1851.015 χ²/NDF: 1.9/5
Right: -153.308+/-651.726 χ²/NDF: 34.4/34
In: 341.026+/-927.415 χ²/NDF:15.4/17
Out: -845.613+/-821.011 χ²/NDF:20.7/22
All: -324.243+/-614.735 χ²/NDF: 37.0/40



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3701.780+/-1.566 χ^2/NDF:125126.0/3

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4402.384+/-2.383 χ^2/NDF:24716.2/1

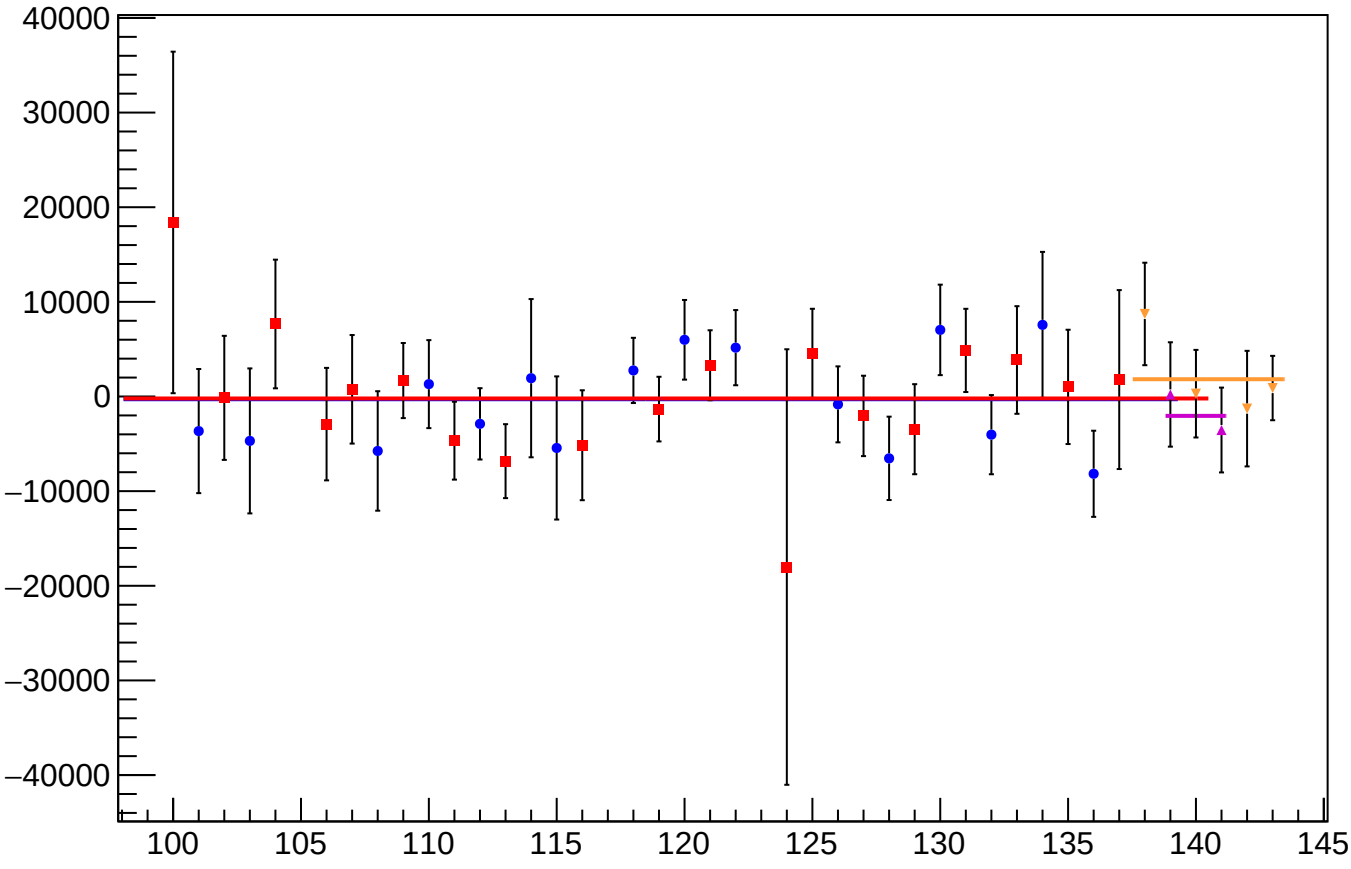
Left: 3913.201+/-1.309 χ^2/NDF: 210213.2/5

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2596.594+/-0.656 χ^2/NDF:2163800.6/17

Out: 2479.673+/-0.581 χ^2/NDF:2379622.2/22

All: 2531.045+/-0.435 χ^2/NDF: 4561244.3/40



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1825.774+/-2270.064 χ^2/NDF:2.1/3

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -2047.309+/-3477.893 χ^2/NDF:0.3/1

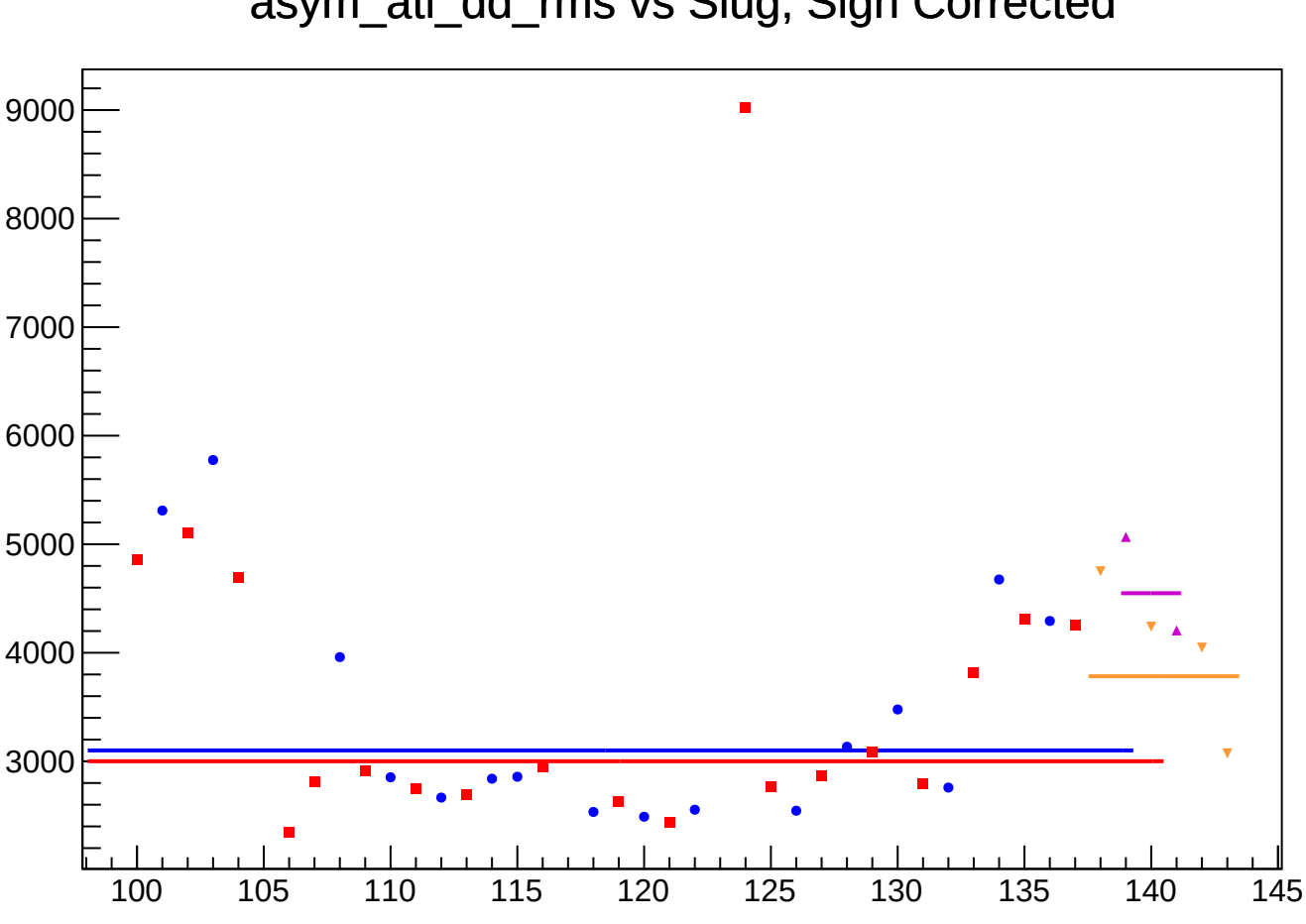
Left: 668.674+/-1900.961 χ^2/NDF: 3.2/5

Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -473.775+/-1132.126 χ^2/NDF:17.1/17

Out: 208.329+/-1028.525 χ^2/NDF:15.6/22

All: -100.092+/-761.275 χ^2/NDF: 32.8/40


asym_atl_dd_rms vs Slug, Sign Corrected
9000
8000
7000
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105
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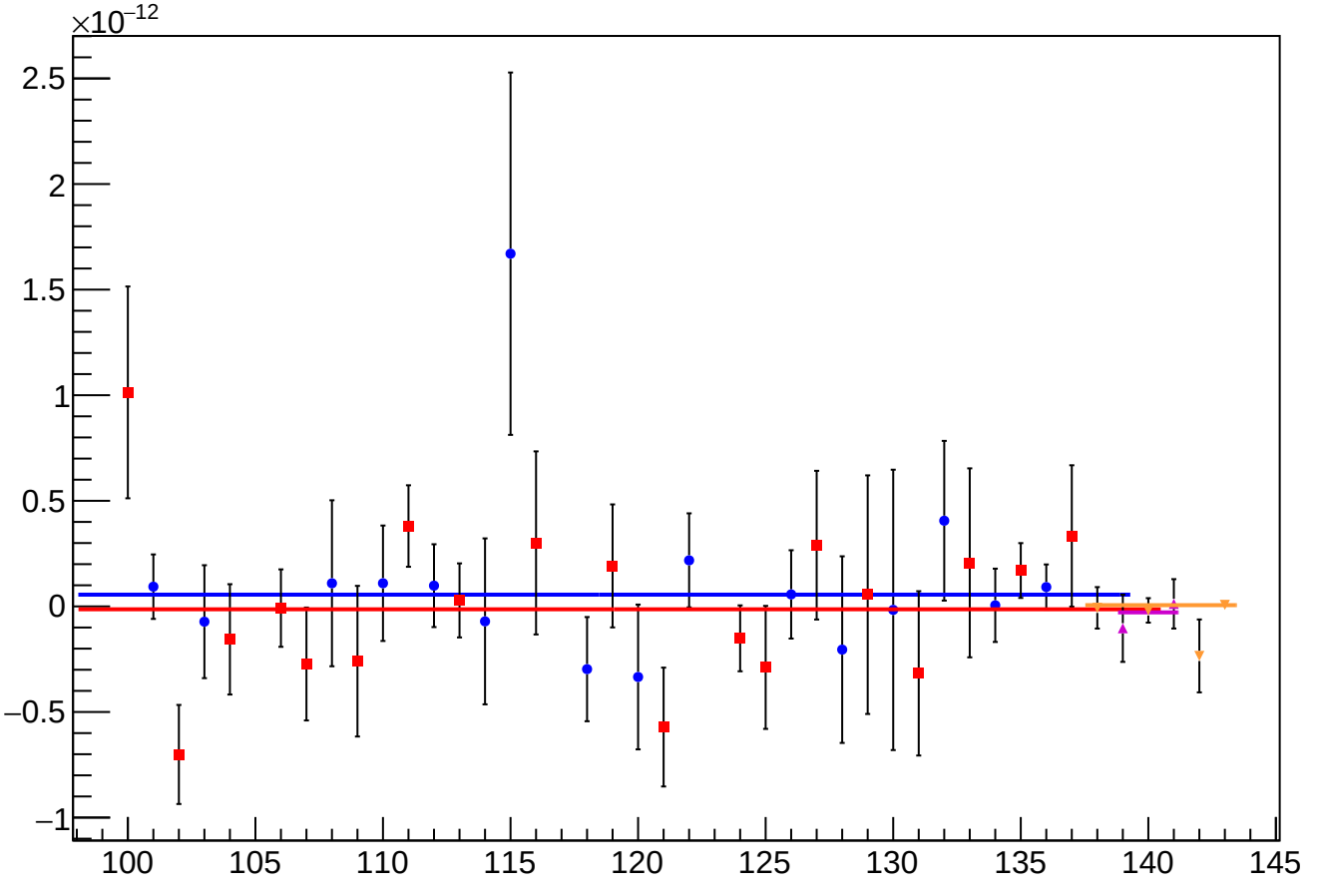
120
125
130
135
140
145
Right In: 3100.135+/-0.847 χ²/NDF: 963669.6/15
Left Out: 3783.404+/-1.605 χ²/NDF:174191.3/3
Right Out: 3000.750+/-0.805 χ²/NDF: 806601.4/18
Left In: 4548.294+/-2.459 χ²/NDF:29362.4/1
Left: 4011.918+/-1.344 χ²/NDF: 271390.6/5
Right: 3047.926+/-0.583 χ²/NDF: 1777509.7/34
In: 3253.587+/-0.801 χ²/NDF:1303048.8/17
Out: 3157.973+/-0.719 χ²/NDF:1170770.5/22
All: 3200.693+/-0.535 χ²/NDF: 2481710.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

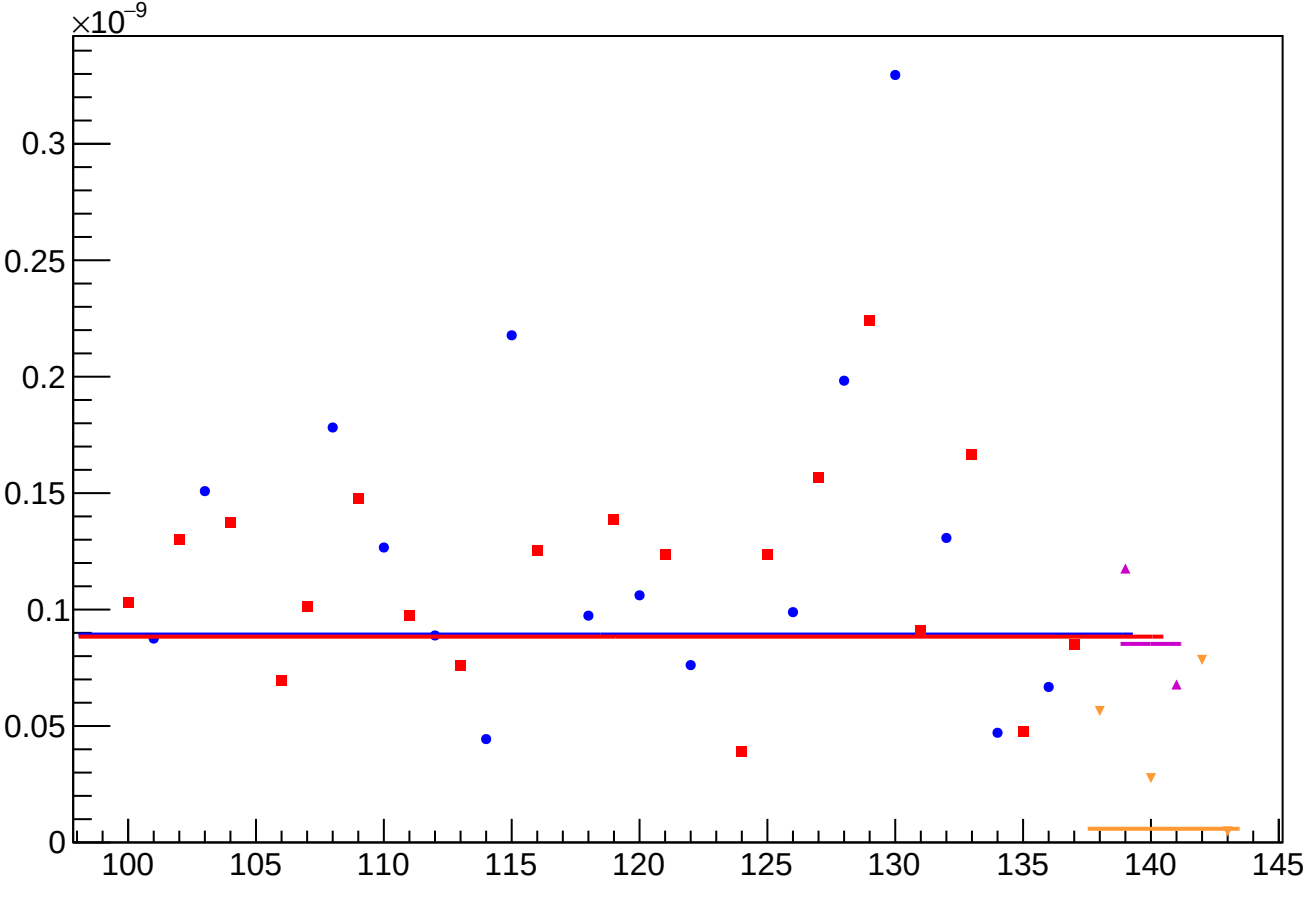
Left: 0.000+/-0.000 χ^2/NDF: 2.6/5

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:32.3/22

All: 0.000+/-0.000 χ^2/NDF: 42.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1198326.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:127040.7/1

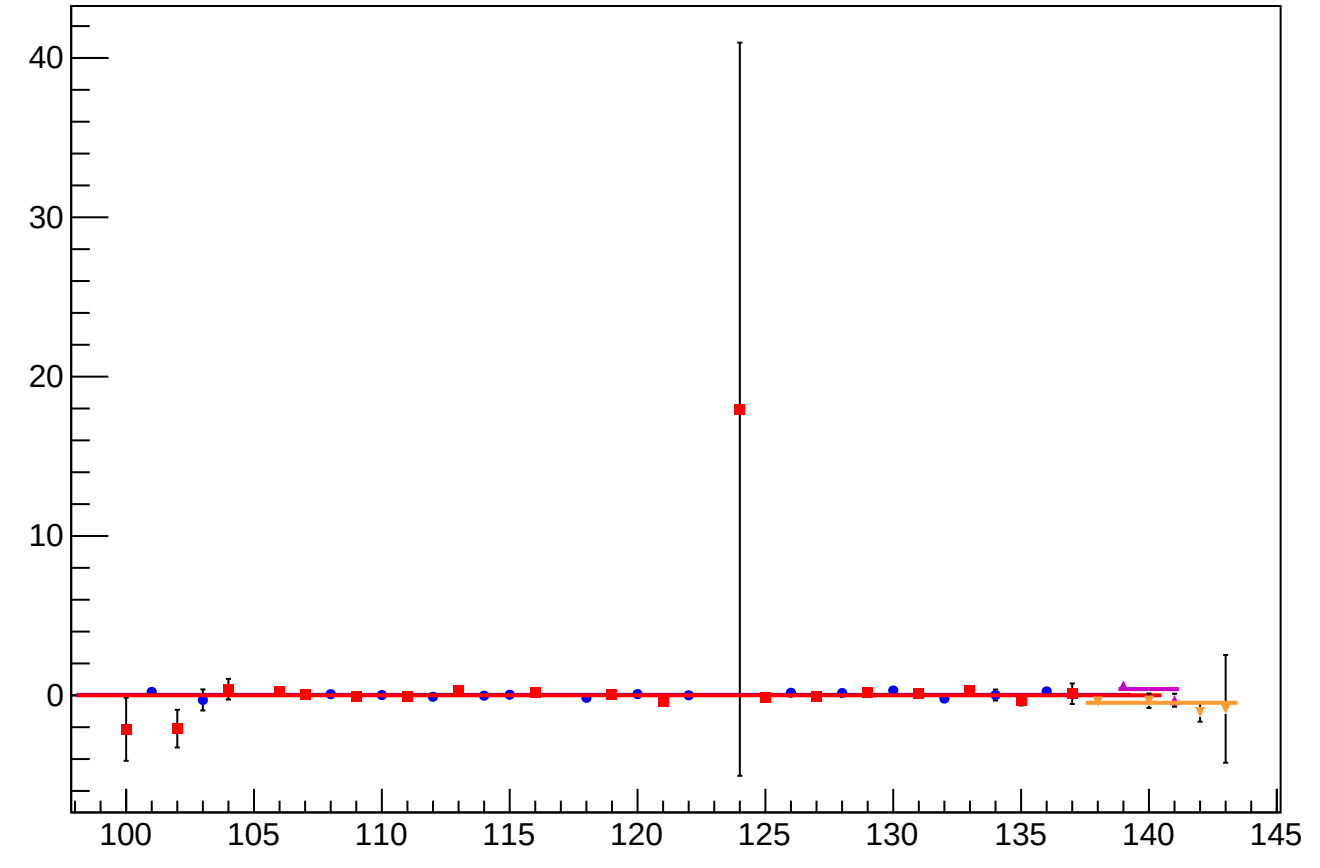
Left: 0.000+/-0.000 χ^2/NDF: 2732843.0/5

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:6483231.4/22

All: 0.000+/-0.000 χ^2/NDF: 12890766.5/40



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.393+/-0.201 χ^2/NDF:4.0/1

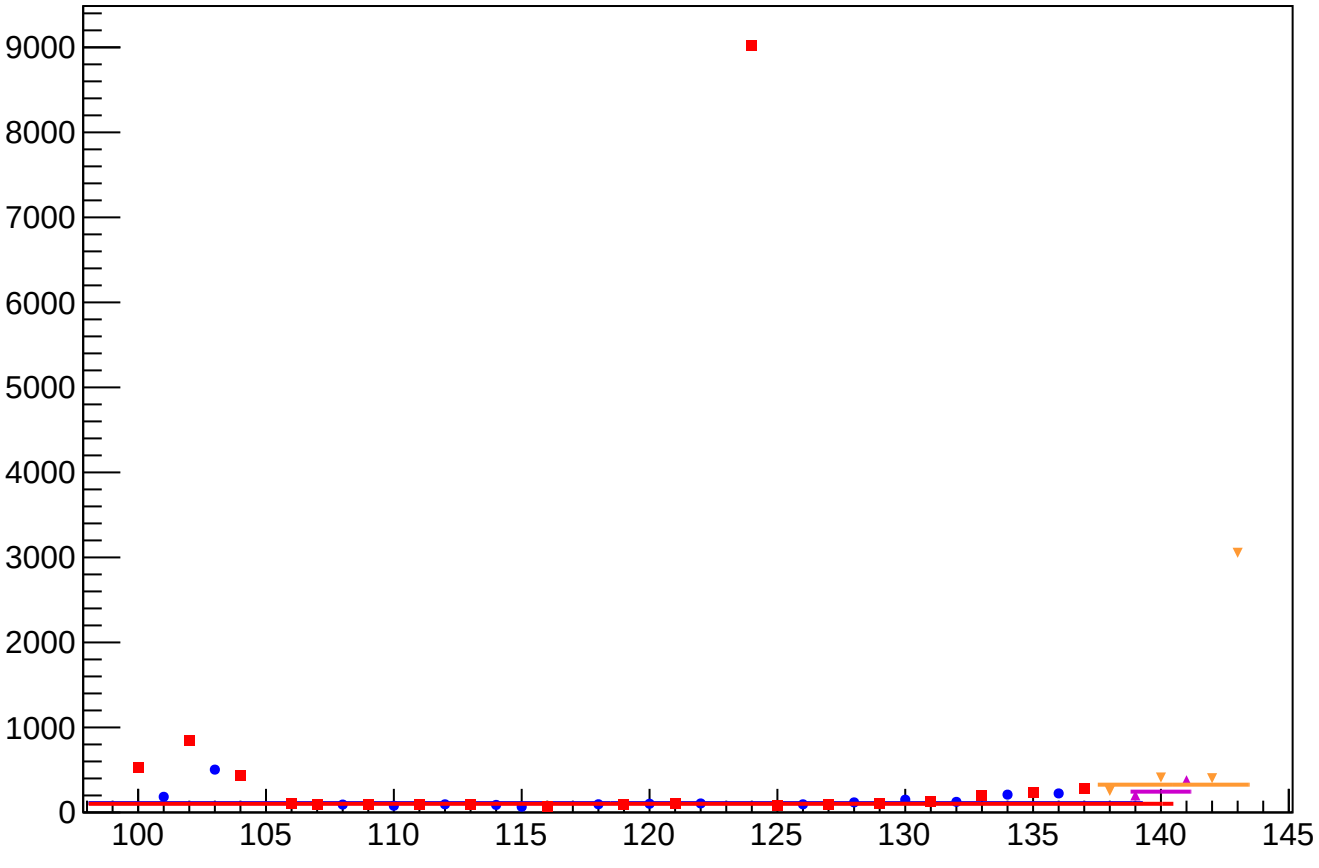
Left: 0.015+/-0.151 χ^2/NDF: 13.1/5

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.015+/-0.031 χ^2/NDF: 44.5/40



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 326.802+/-0.161 χ^2/NDF:1527400.1/3

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 244.644+/-0.142 χ^2/NDF:293529.3/1

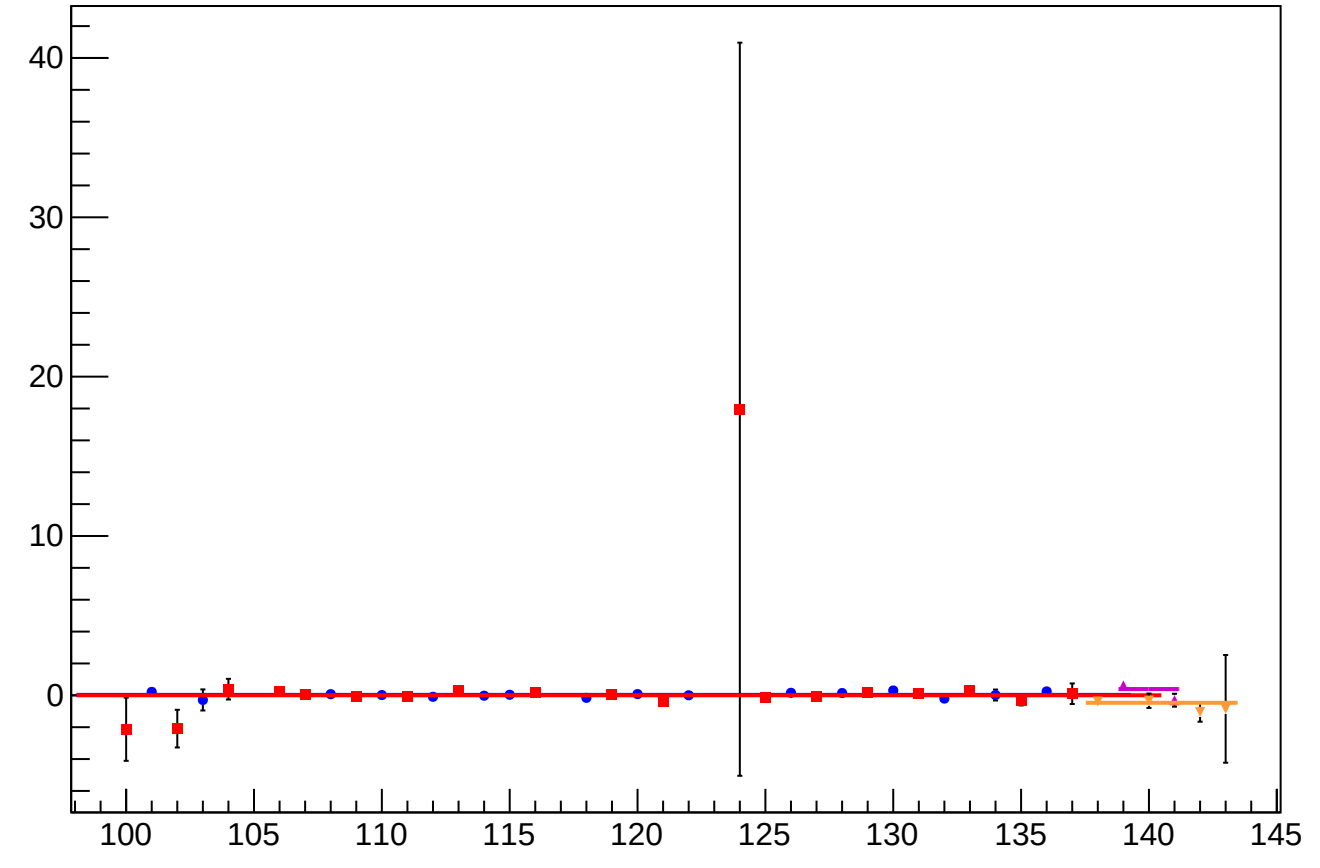
Left: 280.702+/-0.107 χ^2/NDF: 1967295.0/5

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 116.485+/-0.031 χ^2/NDF:3076728.7/17

Out: 109.741+/-0.030 χ^2/NDF:6004109.4/22

All: 112.990+/-0.022 χ^2/NDF: 9104975.4/40



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

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: 0.015+/-0.151 χ^2/NDF: 13.1/5

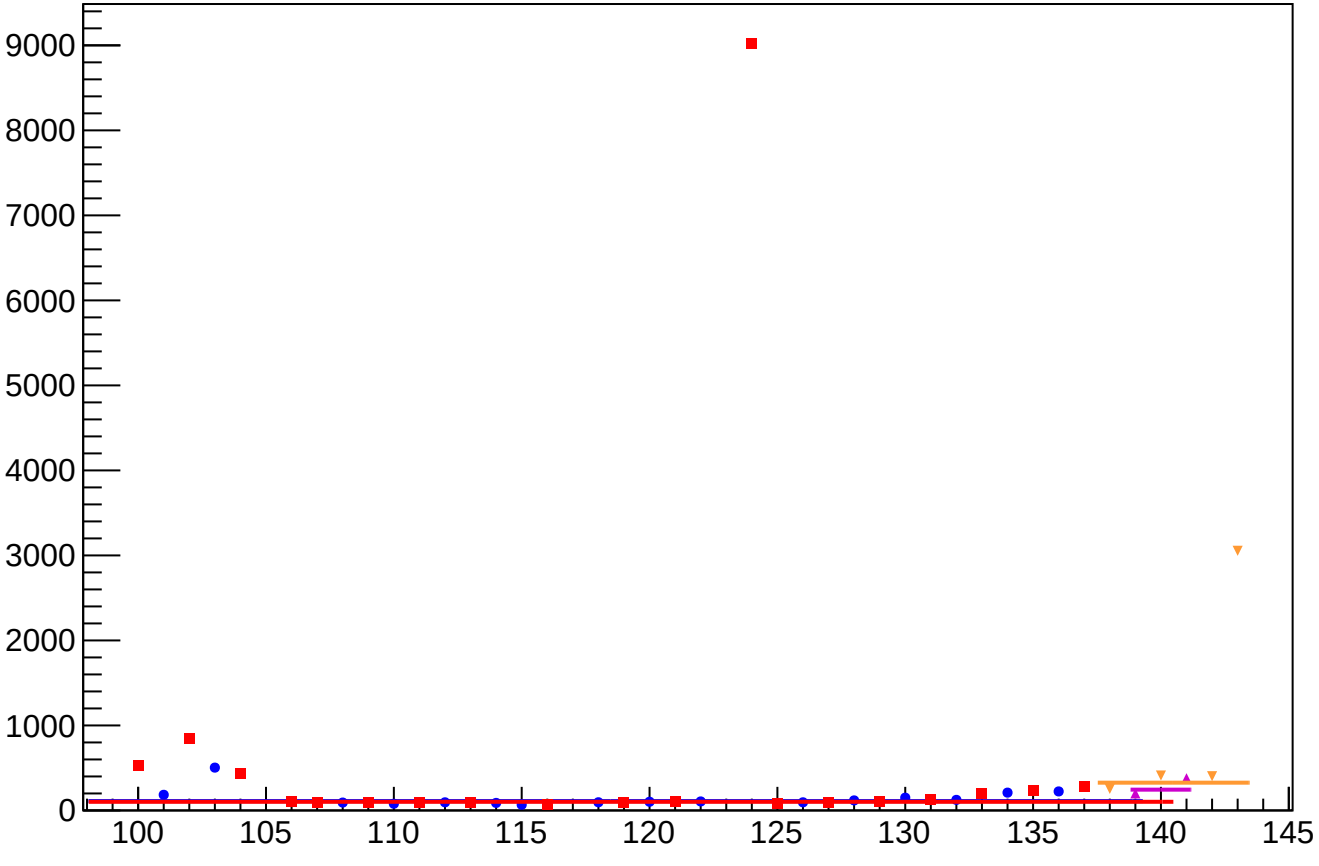
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.015+/-0.031 χ^2/NDF: 44.5/40

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: 326.802+/-0.161 χ^2/NDF:1527400.1/3

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 244.644+/-0.142 χ^2/NDF:293529.3/1

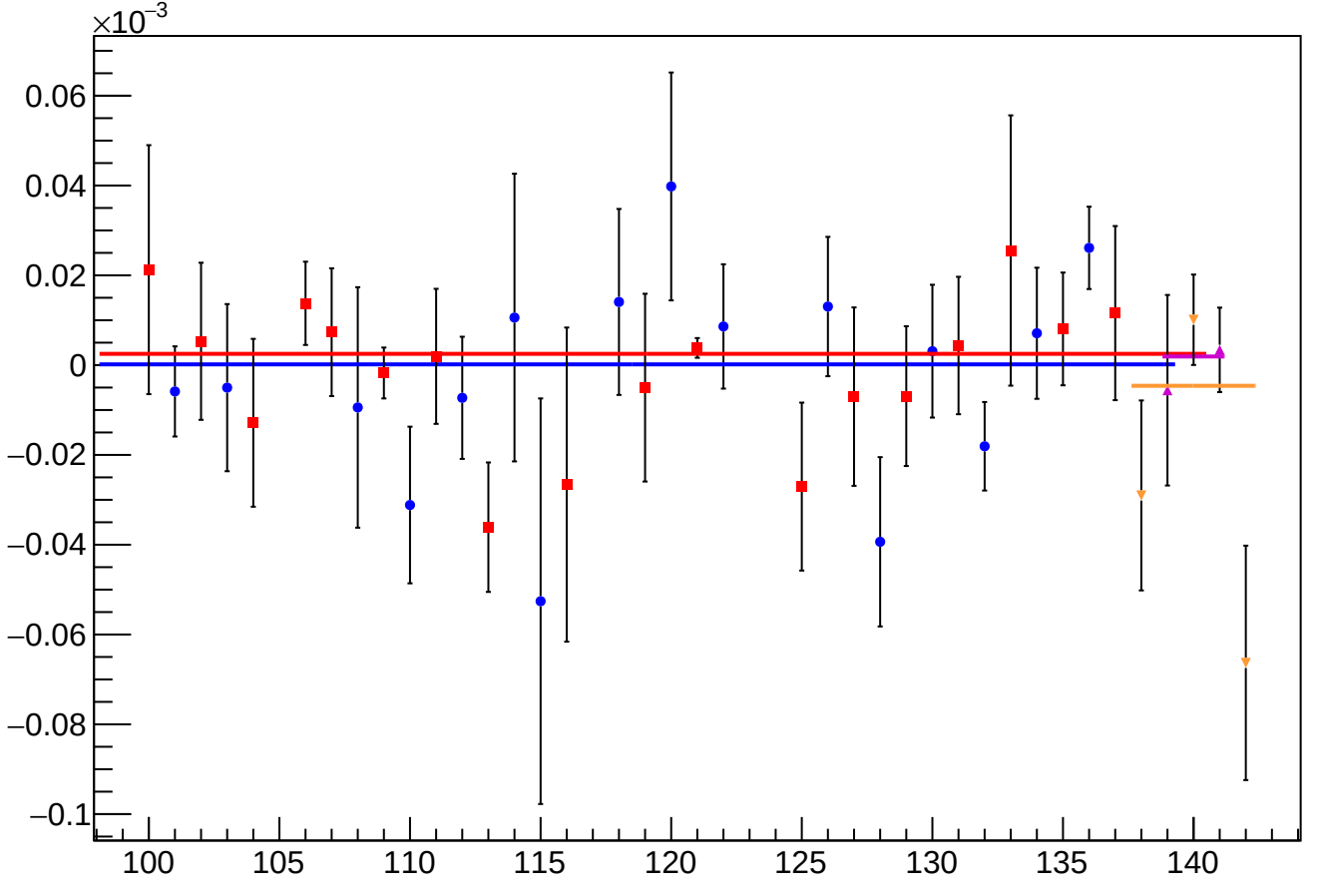
Left: 280.702+/-0.107 χ^2/NDF: 1967295.0/5

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 116.485+/-0.031 χ^2/NDF:3076728.7/17

Out: 109.741+/-0.030 χ^2/NDF:6004109.4/22

All: 112.990+/-0.022 χ^2/NDF: 9104975.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

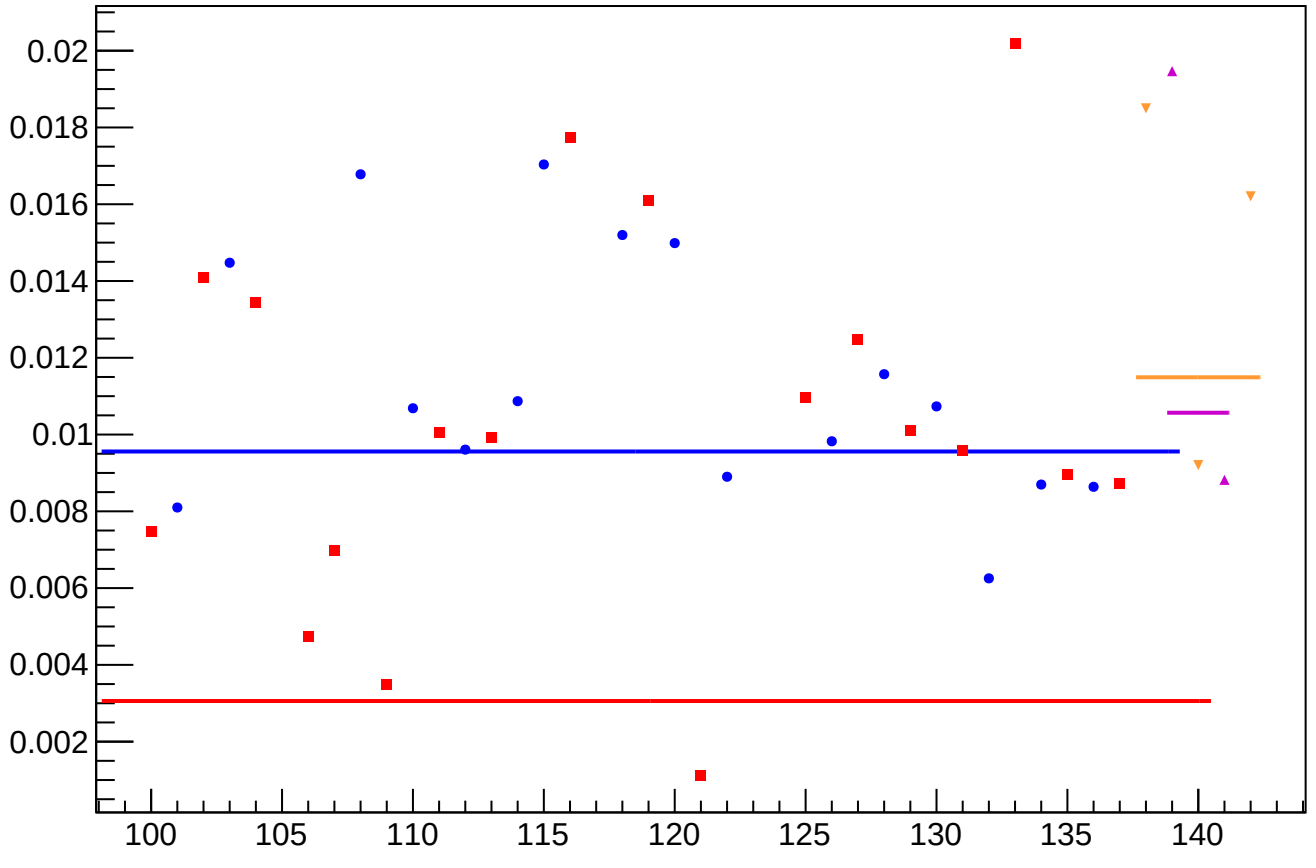
Left: -0.000+/-0.000 χ^2/NDF: 9.5/4

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:25.5/20

All: 0.000+/-0.000 χ^2/NDF: 51.5/38



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:388084.1/2

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.011+/-0.000 χ^2/NDF:420850.9/1

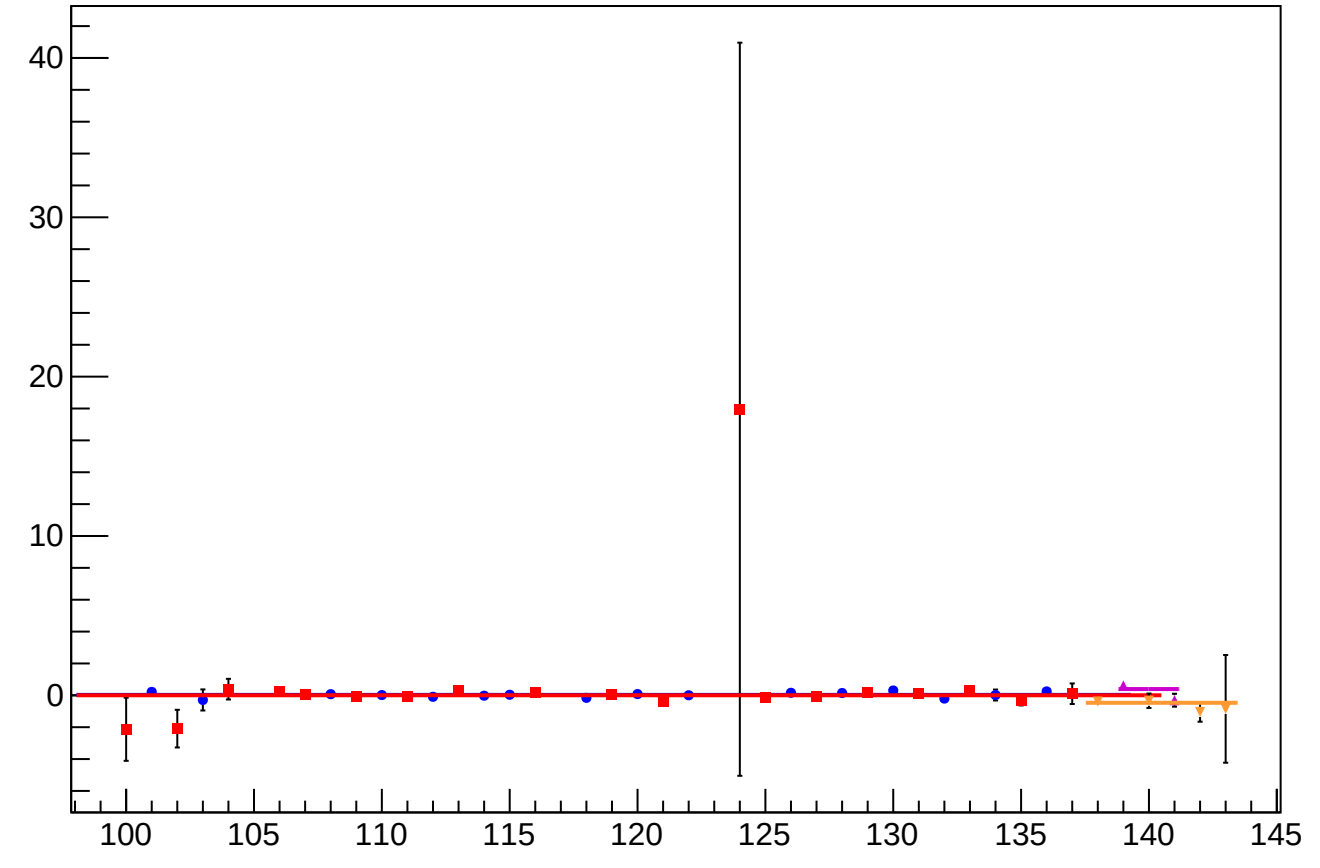
Left: 0.011+/-0.000 χ^2/NDF: 820481.6/4

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:10357382.1/20

All: 0.005+/-0.000 χ^2/NDF: 17041448.0/38



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.468+/-0.227 χ^2/NDF:1.1/3

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.393+/-0.201 χ^2/NDF:4.0/1

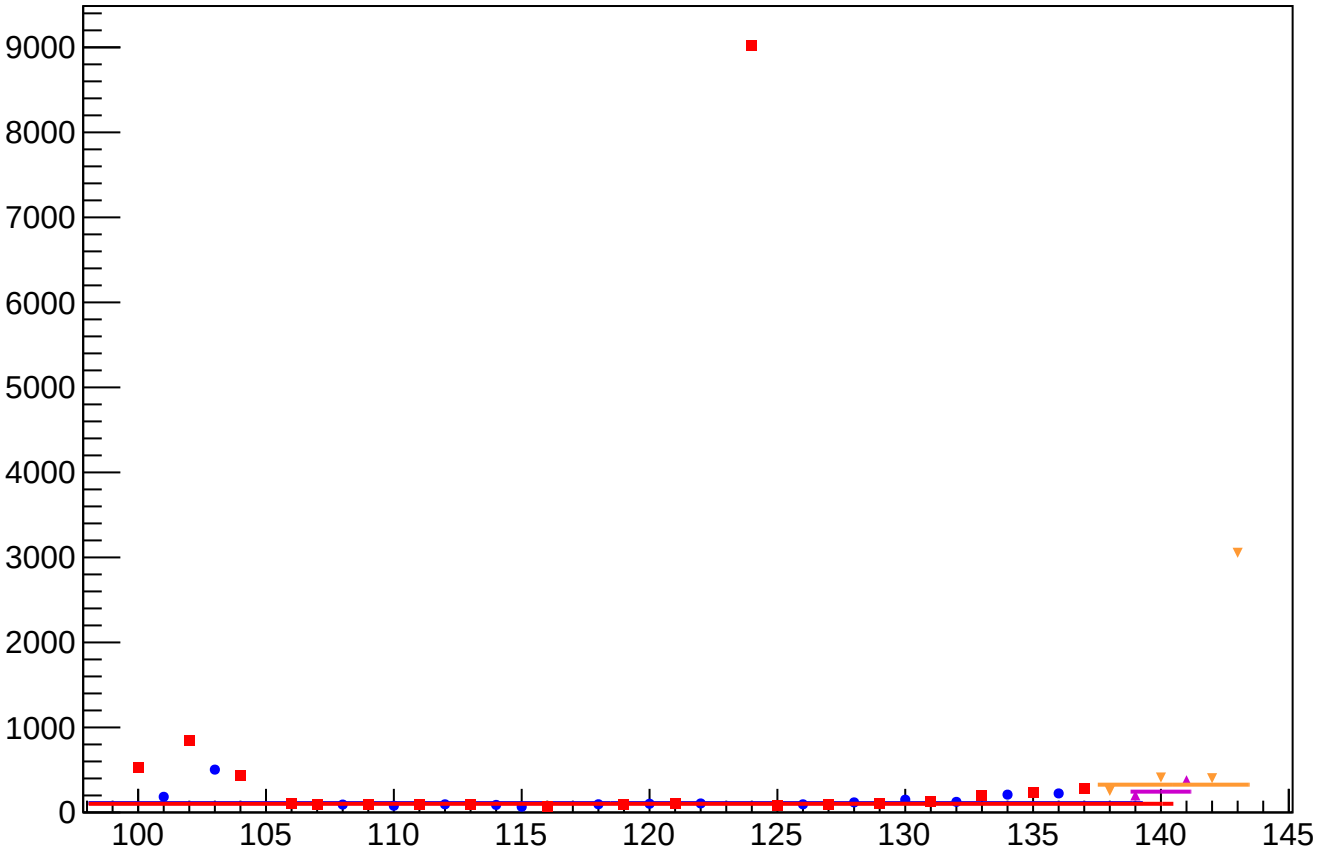
Left: 0.015+/-0.151 χ^2/NDF: 13.1/5

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.015+/-0.031 χ^2/NDF: 44.5/40



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 326.806+/-0.161 χ^2/NDF:1527403.6/3

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: 280.708+/-0.107 χ^2/NDF: 1967269.2/5

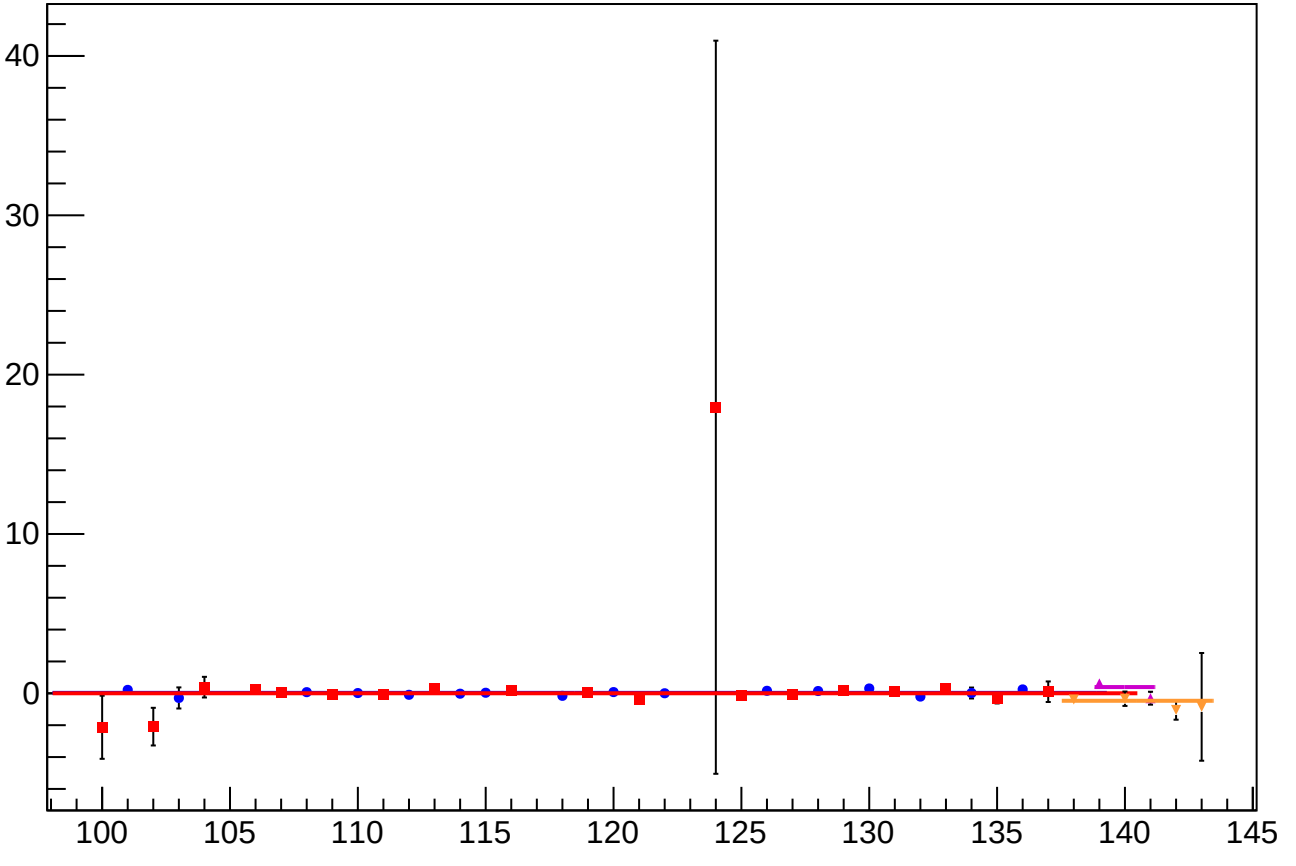
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 116.486+/-0.031 χ^2/NDF:3076680.7/17

Out: 109.743+/-0.030 χ^2/NDF:6004034.1/22

All: 112.991+/-0.022 χ^2/NDF: 9104848.9/40

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: -0.468+/-0.227 χ^2/NDF:1.1/3

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: 0.015+/-0.151 χ^2/NDF: 13.1/5

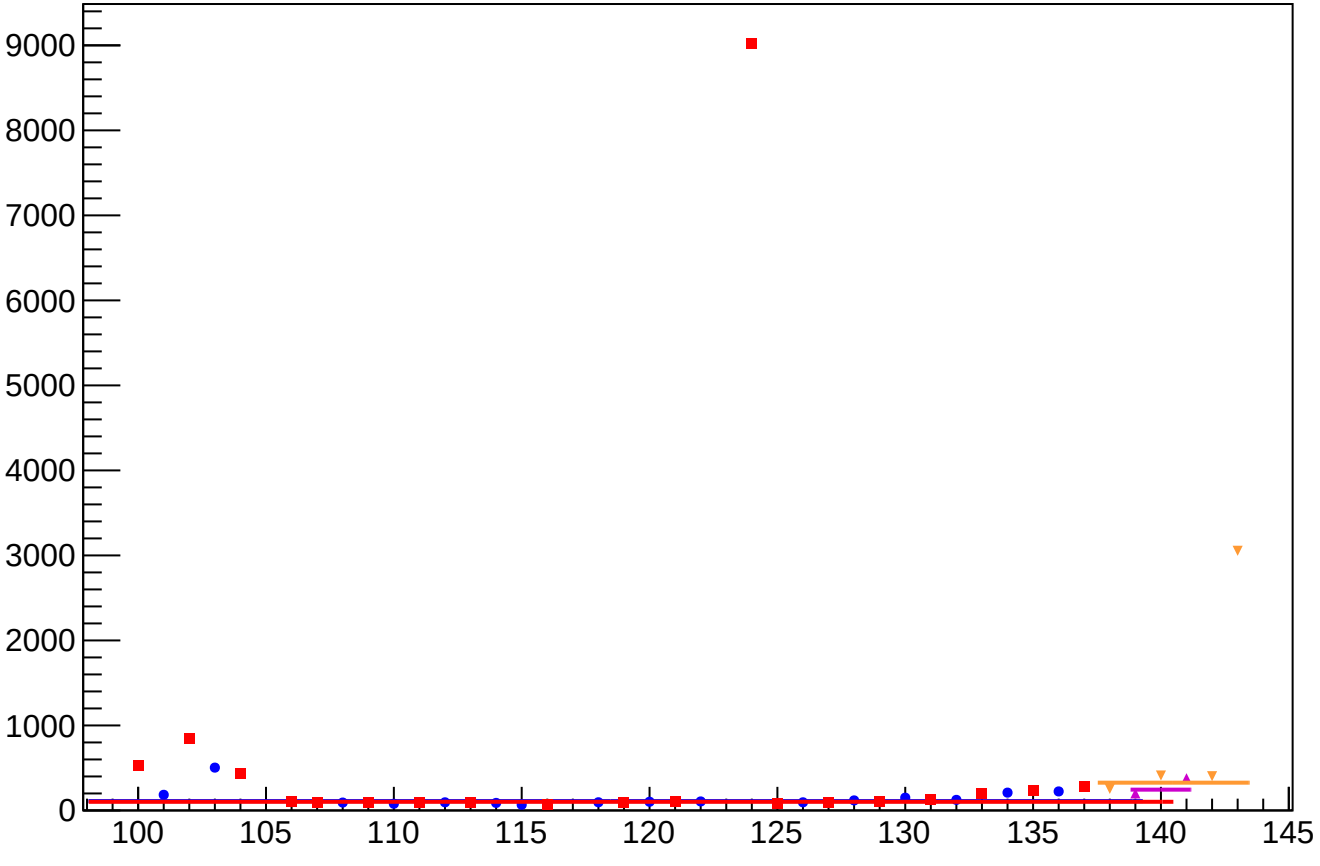
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.044 χ^2/NDF:16.0/17

Out: -0.013+/-0.043 χ^2/NDF:27.6/22

All: 0.015+/-0.031 χ^2/NDF: 44.5/40

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: 326.806+/-0.161 χ^2/NDF:1527403.6/3

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 244.651+/-0.142 χ^2/NDF:293515.2/1

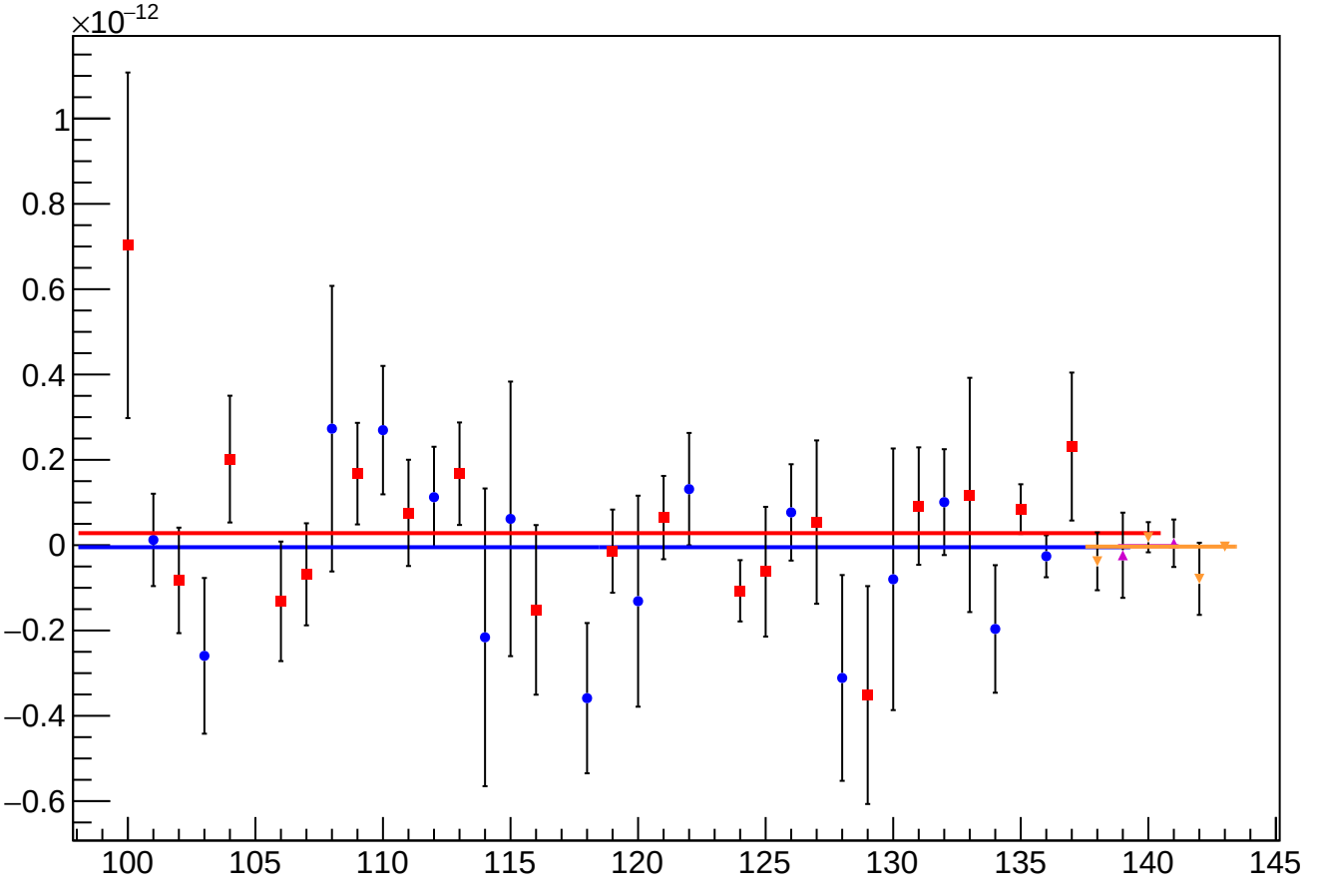
Left: 280.708+/-0.107 χ^2/NDF: 1967269.2/5

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 116.486+/-0.031 χ^2/NDF:3076680.7/17

Out: 109.743+/-0.030 χ^2/NDF:6004034.1/22

All: 112.991+/-0.022 χ^2/NDF: 9104848.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

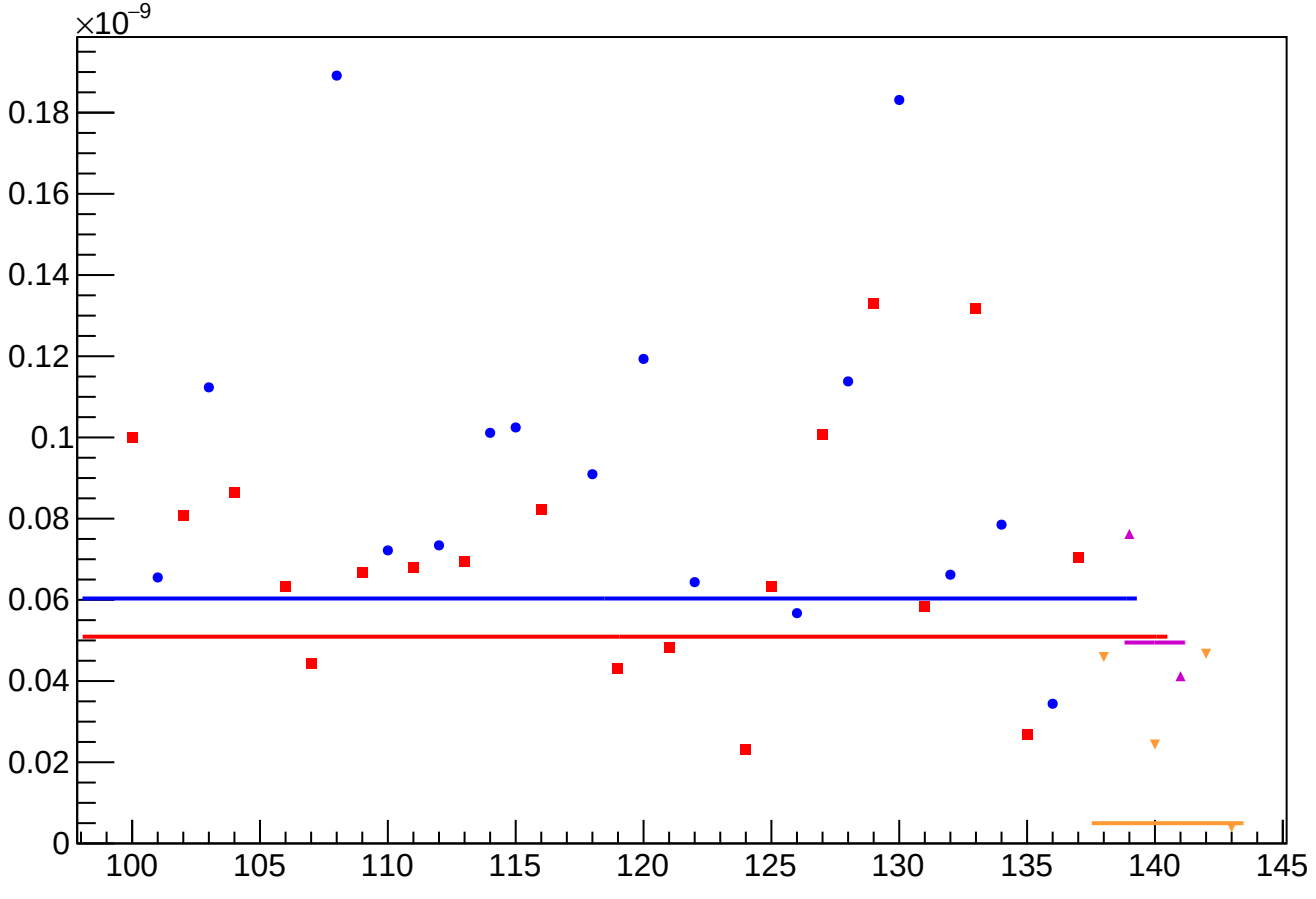
Left: -0.000+/-0.000 χ^2/NDF: 1.5/5

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:22.4/22

All: -0.000+/-0.000 χ^2/NDF: 39.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1874077.1/3

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: 3717544.1/5

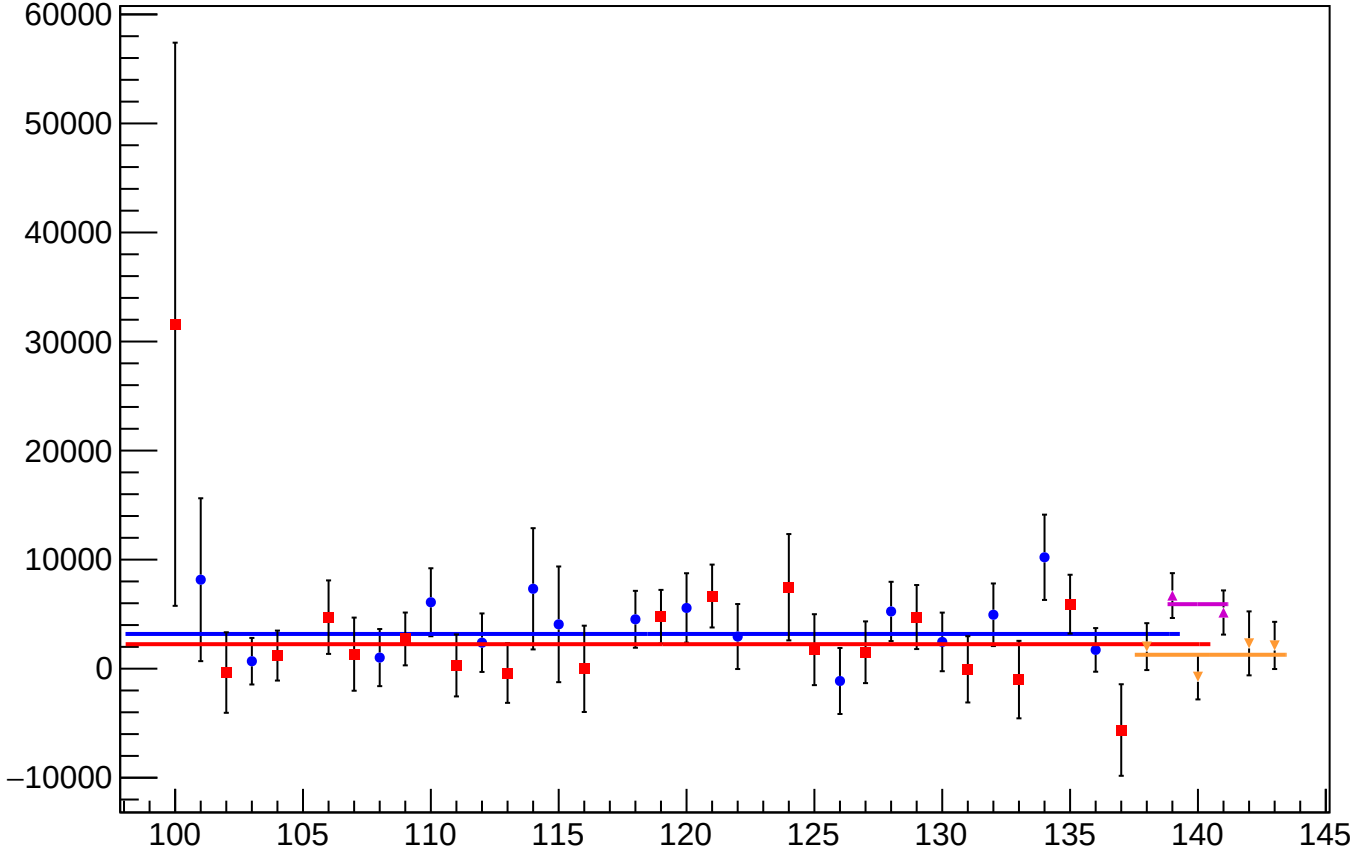
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2003805.3/17

Out: 0.000+/-0.000 χ^2/NDF:9019384.5/22

All: 0.000+/-0.000 χ^2/NDF: 17894967.0/40

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.499+/-1134.197 χ^2/NDF:1.3/3

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: 3046.264+/-891.839 χ^2/NDF: 8.0/5

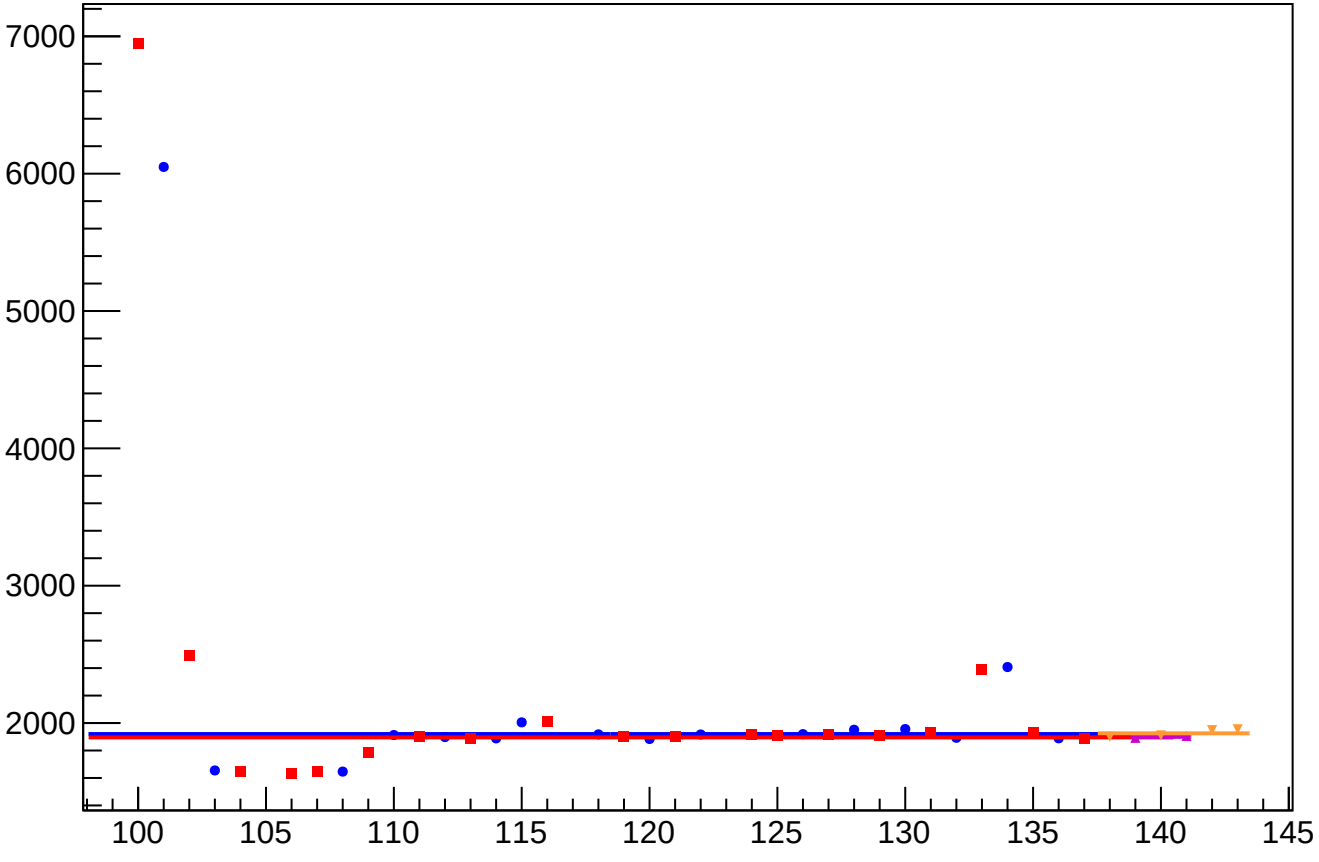
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3741.246+/-652.242 χ^2/NDF:14.8/17

Out: 1972.301+/-602.365 χ^2/NDF:18.4/22

All: 2786.559+/-442.520 χ^2/NDF: 37.2/40

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

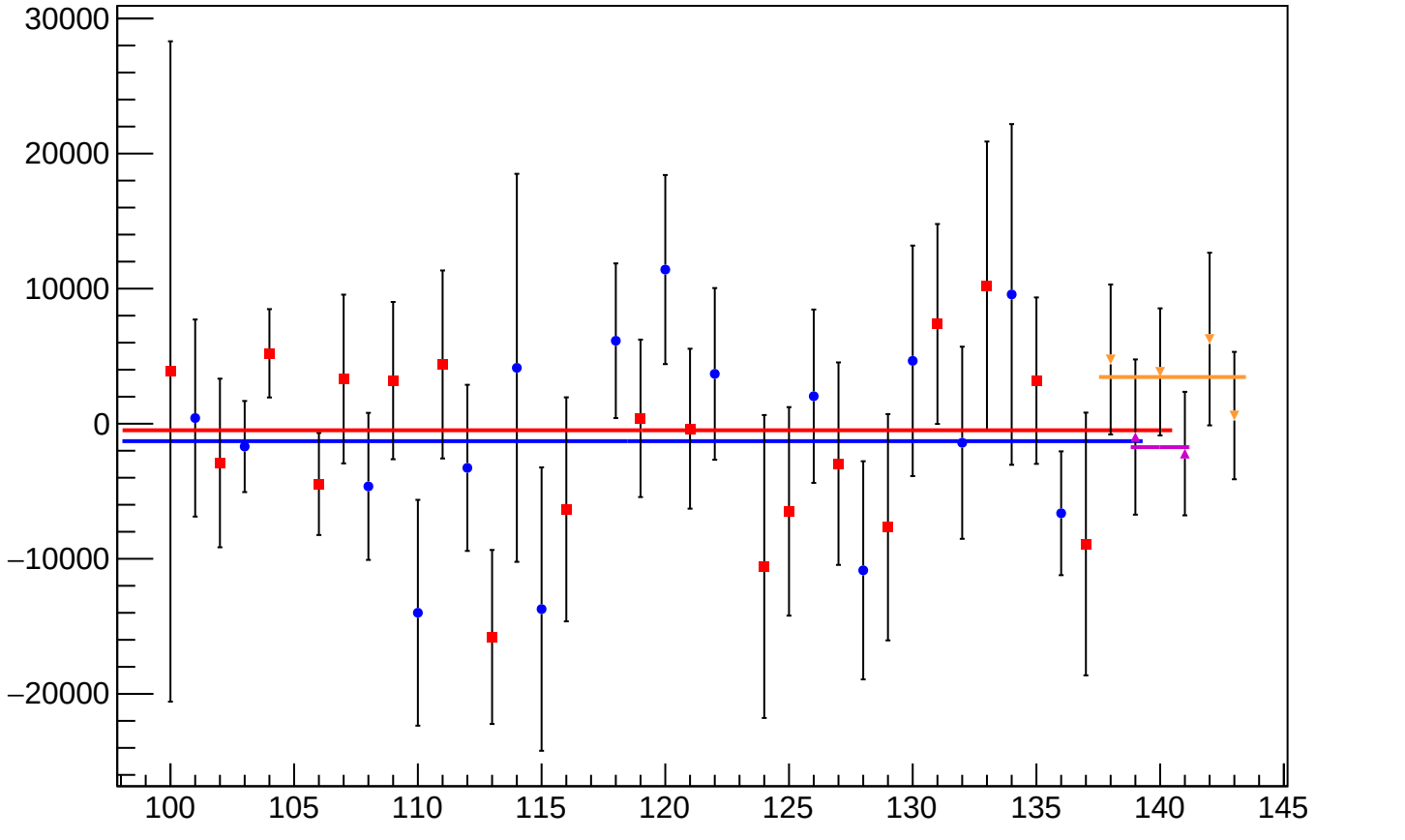
Left: 1915.284+/-0.631 χ^2/NDF: 1310.3/5

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1915.675+/-0.461 χ^2/NDF:697693.0/17

Out: 1903.690+/-0.425 χ^2/NDF:224136.3/22

All: 1909.192+/-0.312 χ^2/NDF: 922194.5/40



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3456.144+/-2607.030 χ^2/NDF:0.6/3

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -1736.607+/-3578.241 χ^2/NDF:0.0/1

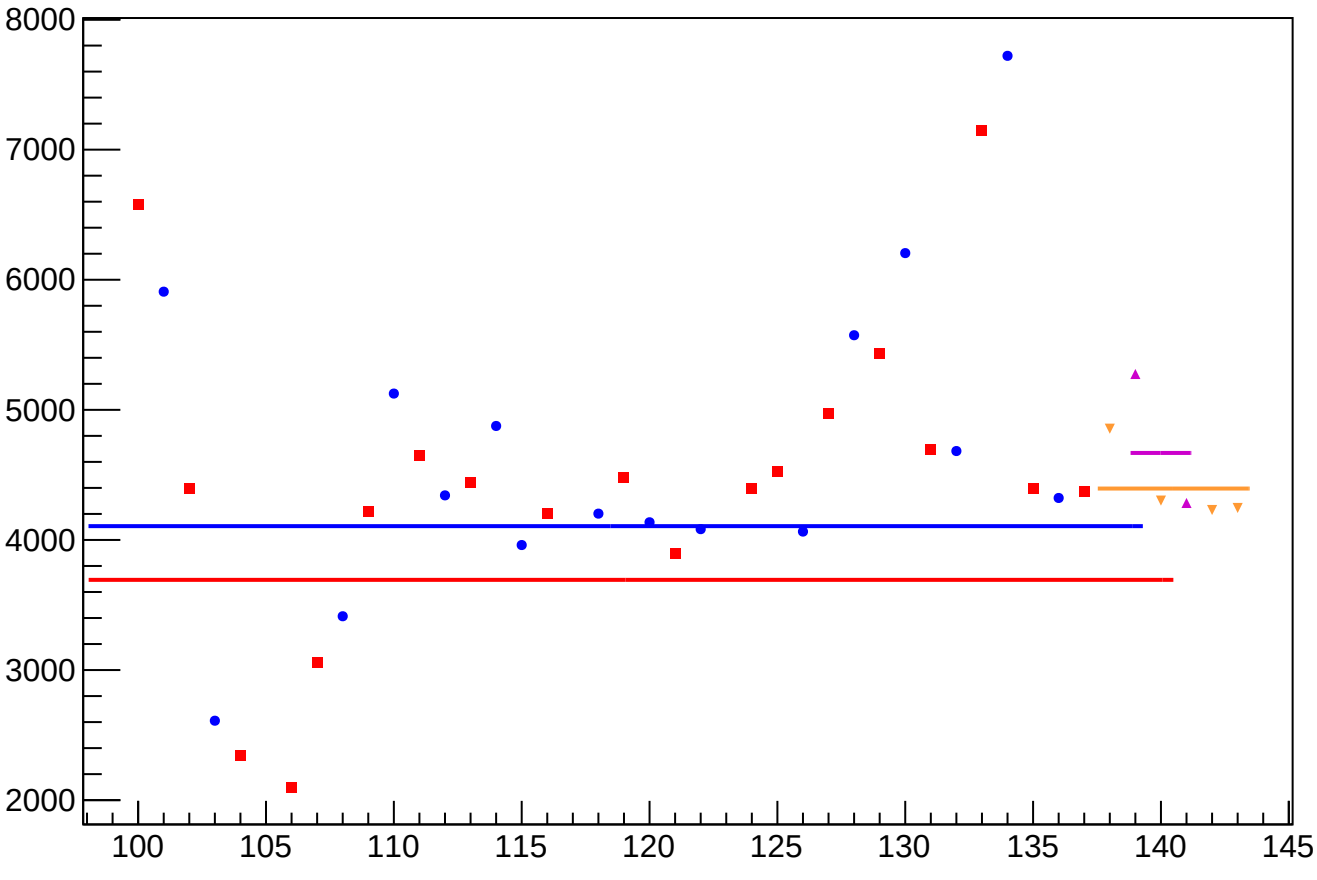
Left: 1655.515+/-2107.089 χ^2/NDF: 2.0/5

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

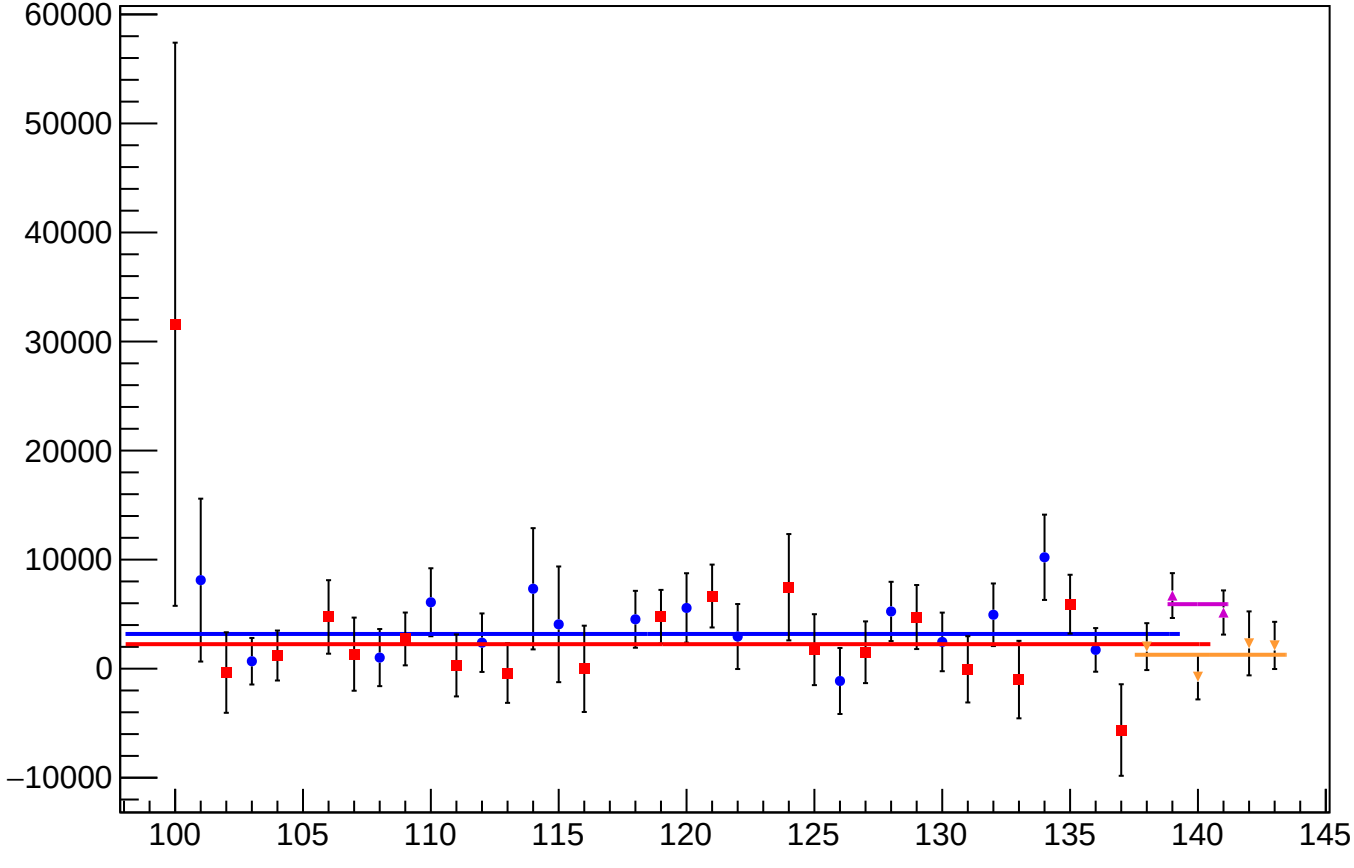
In: -1363.702+/-1449.522 χ^2/NDF:14.3/17

Out: 433.677+/-1258.795 χ^2/NDF:19.6/22

All: -339.061+/-950.432 χ^2/NDF: 34.8/40


asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 4106.141+/-1.121 χ²/NDF: 956130.4/15
Left Out: 4395.100+/-1.843 χ²/NDF:17854.2/3
Right Out: 3693.266+/-1.016 χ²/NDF: 1356643.3/18
Left In: 4668.775+/-2.530 χ²/NDF:36443.9/1
Left: 4489.999+/-1.490 χ²/NDF: 61940.7/5
Right: 3879.542+/-0.753 χ²/NDF: 2387214.5/34
In: 4198.470+/-1.025 χ²/NDF:1033907.3/17
Out: 3856.892+/-0.890 χ²/NDF:1485650.6/22
All: 4003.745+/-0.672 χ²/NDF: 2582870.7/40

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.494+/-1134.197 χ^2/NDF:1.3/3

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: 3046.400+/-891.839 χ^2/NDF: 8.0/5

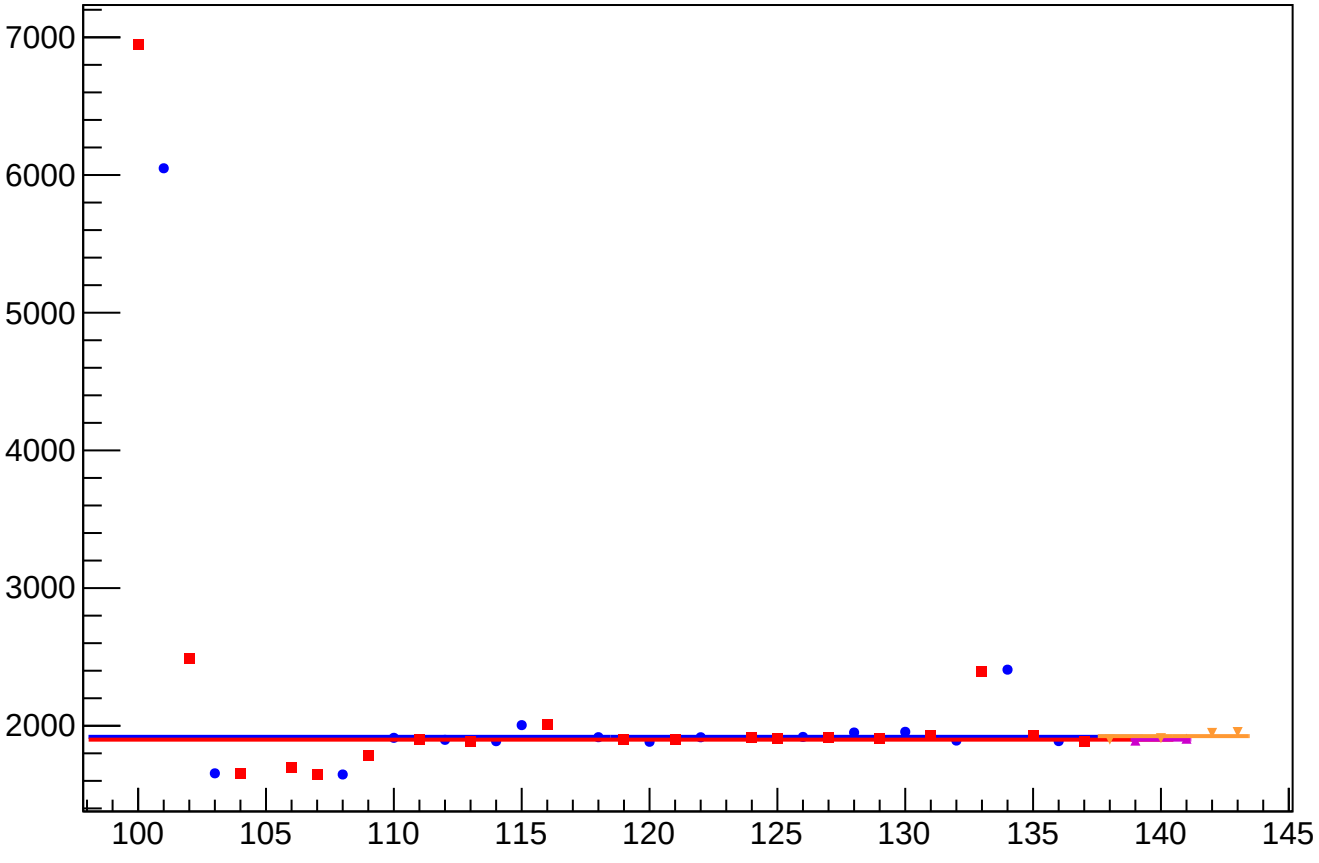
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3740.738+/-652.242 χ^2/NDF:14.8/17

Out: 1973.113+/-602.367 χ^2/NDF:18.4/22

All: 2786.767+/-442.521 χ^2/NDF: 37.2/40

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

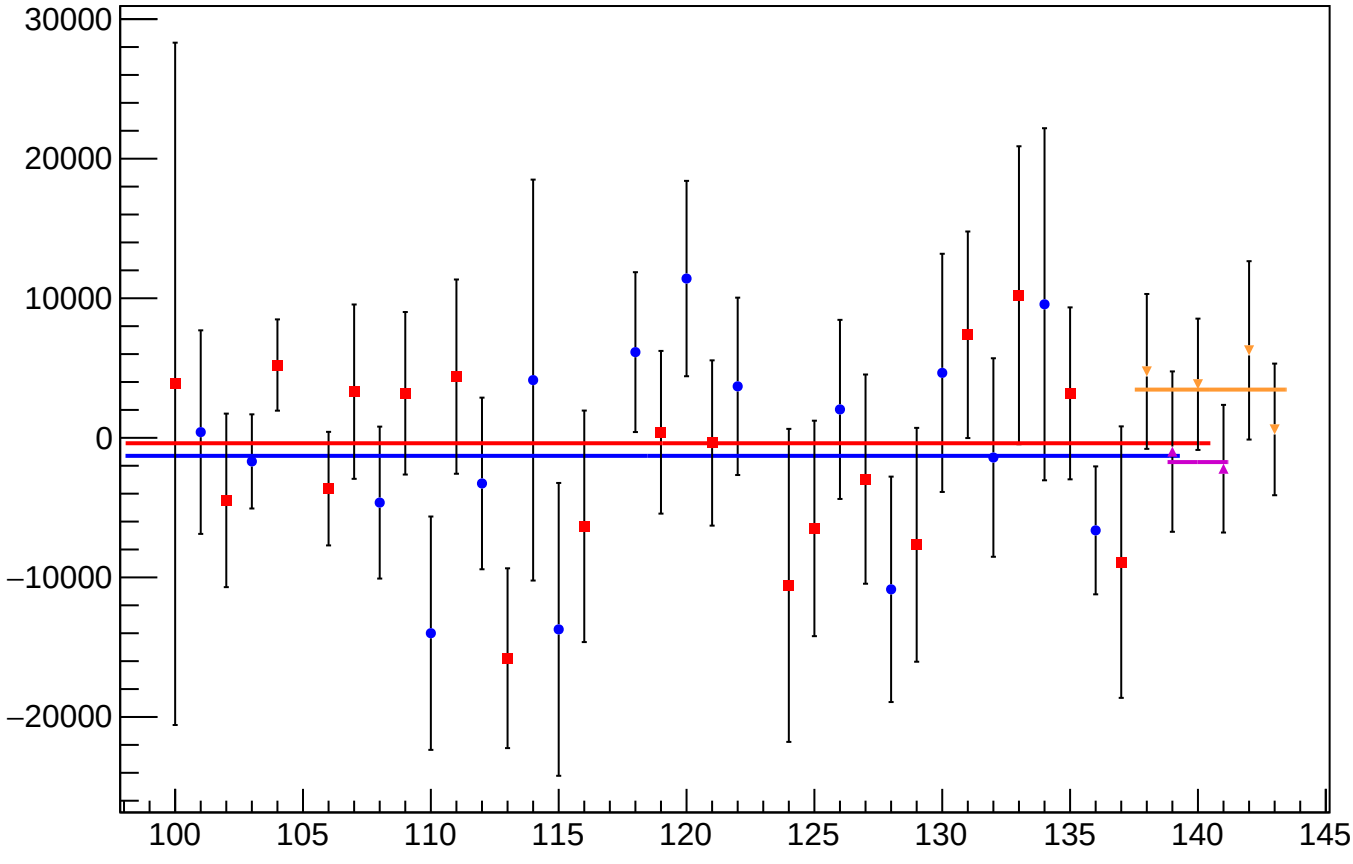
Left: 1915.284+/-0.631 χ^2/NDF: 1310.3/5

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1915.675+/-0.461 χ^2/NDF:697692.1/17

Out: 1906.588+/-0.425 χ^2/NDF:217267.9/22

All: 1910.766+/-0.313 χ^2/NDF: 915169.8/40



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3456.124+/-2607.017 χ^2/NDF:0.6/3

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1736.830+/-3578.243 χ^2/NDF:0.0/1

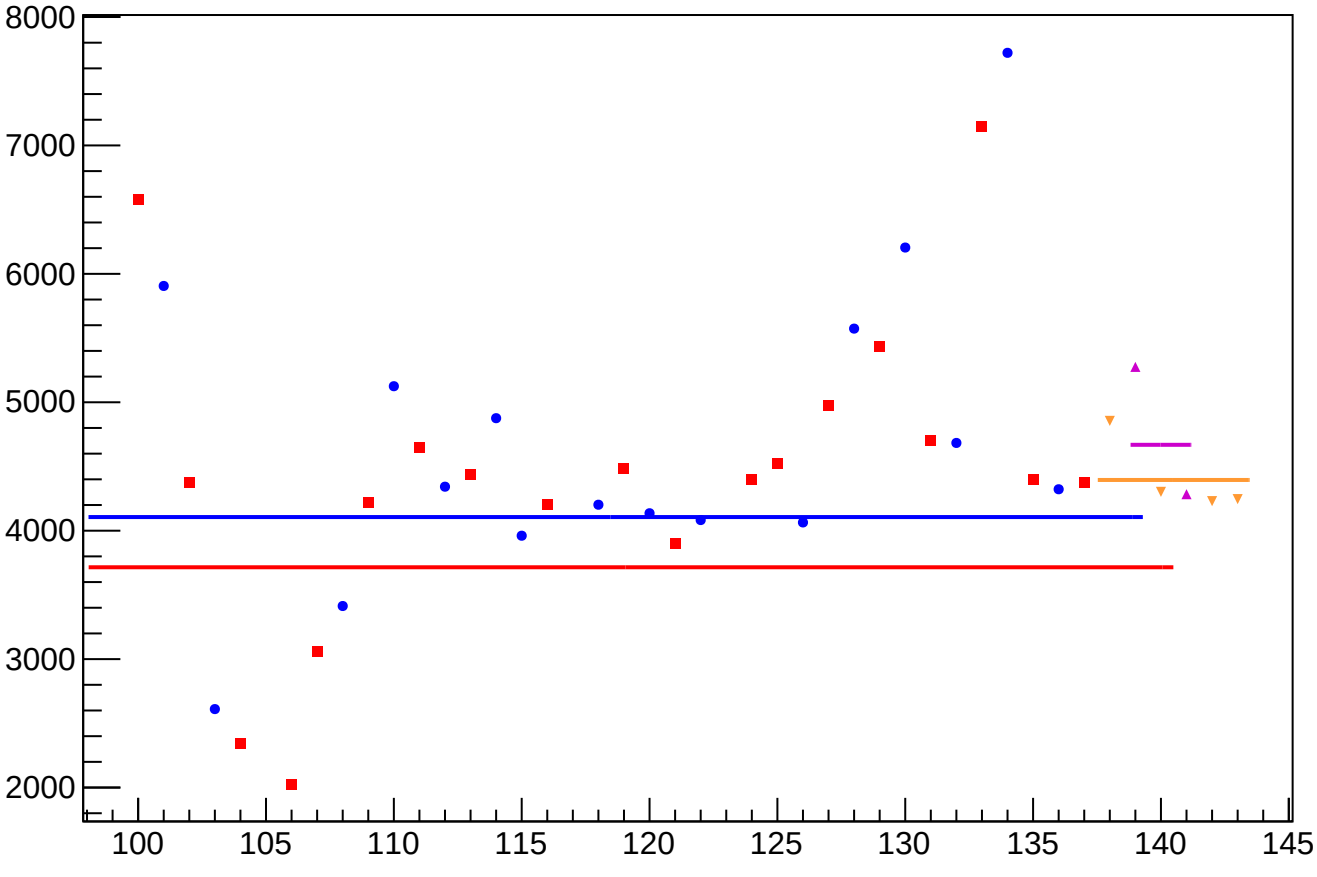
Left: 1655.438+/-2107.083 χ^2/NDF: 2.0/5

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1364.046+/-1449.524 χ^2/NDF:14.3/17

Out: 521.968+/-1268.207 χ^2/NDF:19.3/22

All: -295.769+/-954.464 χ^2/NDF: 34.5/40



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4395.076+/-1.843 χ^2/NDF:17855.0/3

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4668.777+/-2.530 χ^2/NDF:36445.4/1

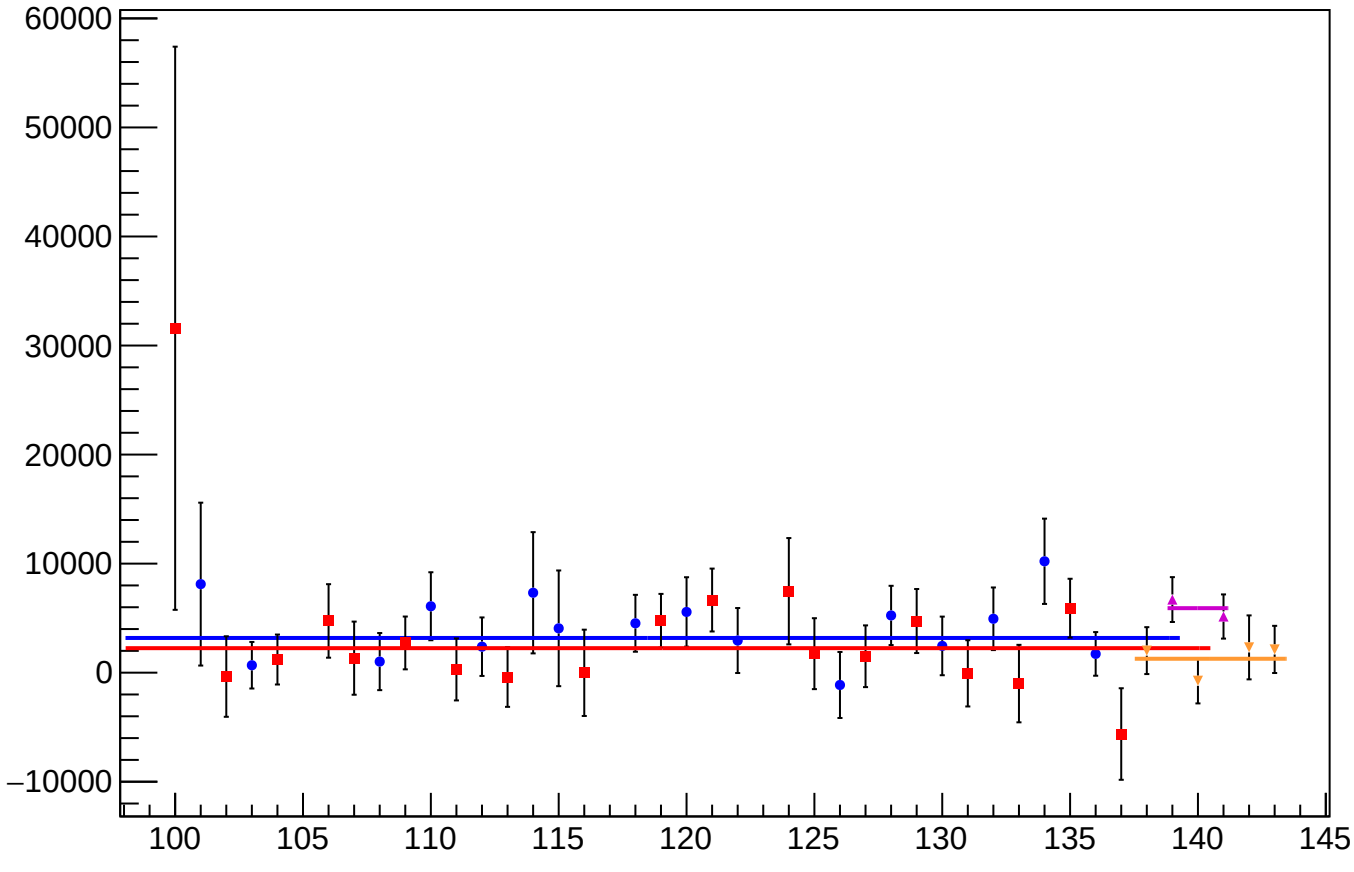
Left: 4489.983+/-1.490 χ^2/NDF: 61944.4/5

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.548+/-1.025 χ^2/NDF:1033396.1/17

Out: 3876.089+/-0.897 χ^2/NDF:1456786.6/22

All: 4015.901+/-0.675 χ^2/NDF: 2546244.4/40



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1275.494+/-1134.197 χ^2/NDF:1.3/3

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: 3046.400+/-891.839 χ^2/NDF: 8.0/5

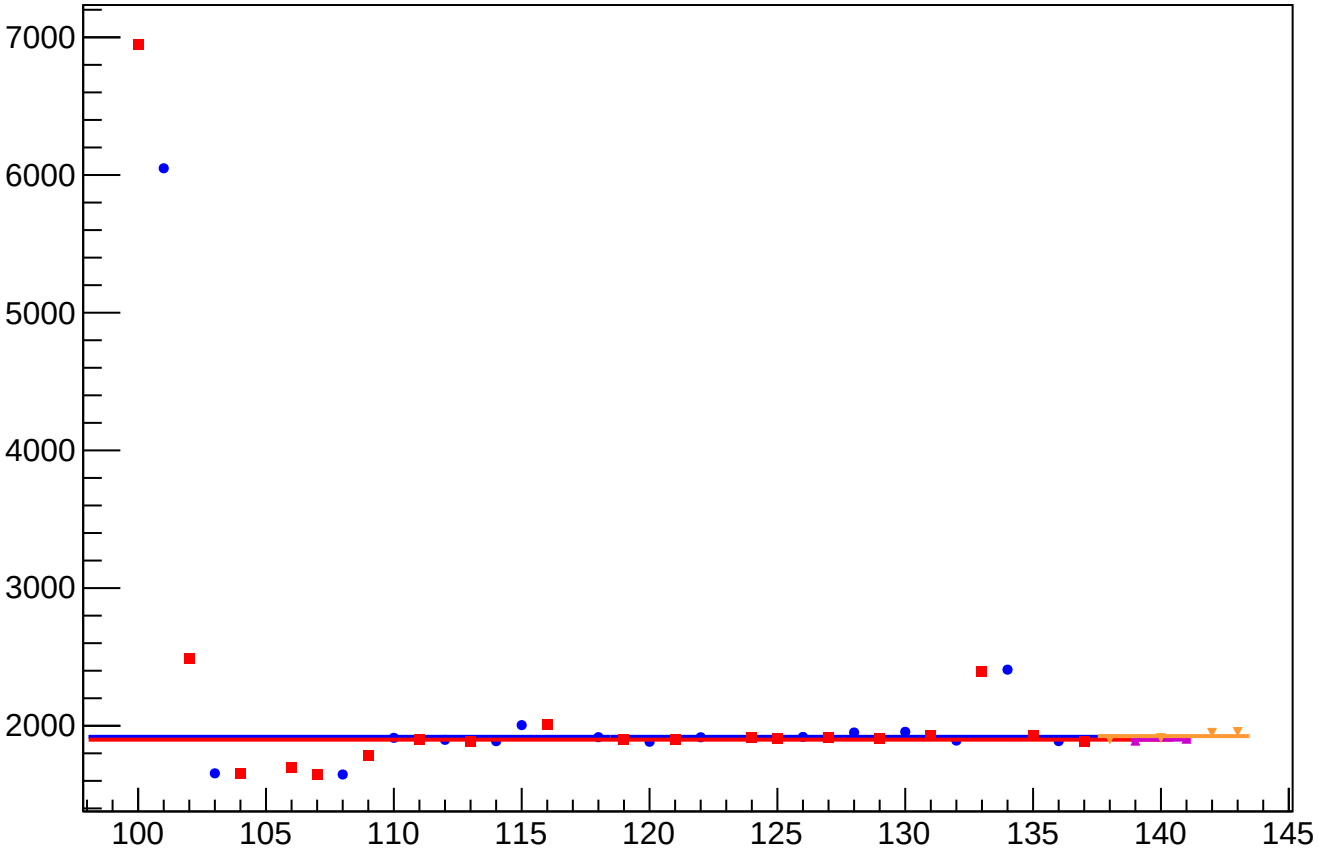
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3740.738+/-652.242 χ^2/NDF:14.8/17

Out: 1973.113+/-602.367 χ^2/NDF:18.4/22

All: 2786.767+/-442.521 χ^2/NDF: 37.2/40

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1925.036+/-0.802 χ^2/NDF:877.5/3

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1899.488+/-1.021 χ^2/NDF:45.5/1

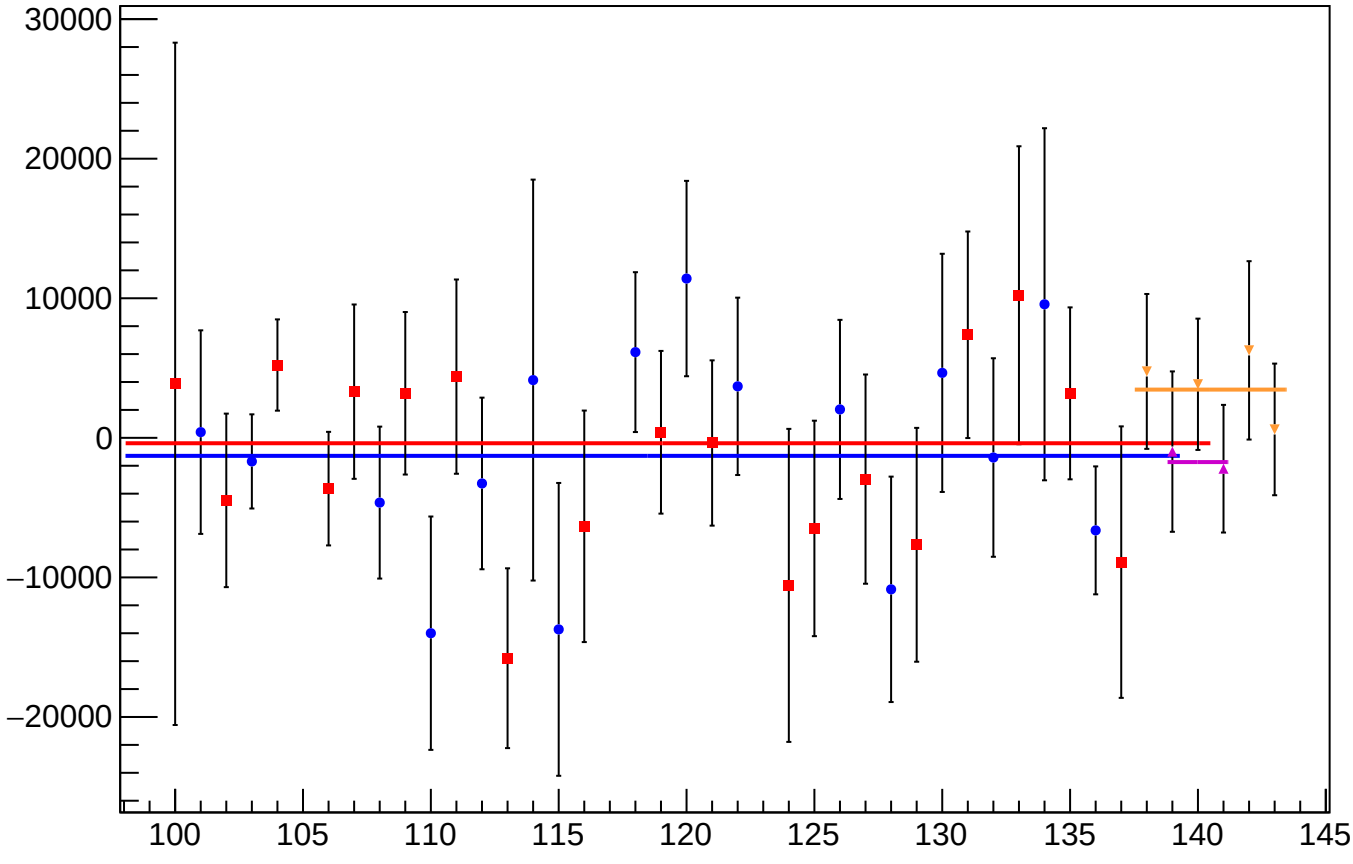
Left: 1915.284+/-0.631 χ^2/NDF: 1310.3/5

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1915.675+/-0.461 χ^2/NDF:697692.1/17

Out: 1906.588+/-0.425 χ^2/NDF:217267.9/22

All: 1910.766+/-0.313 χ^2/NDF: 915169.8/40



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3456.124+/-2607.017 χ^2/NDF:0.6/3

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1736.830+/-3578.243 χ^2/NDF:0.0/1

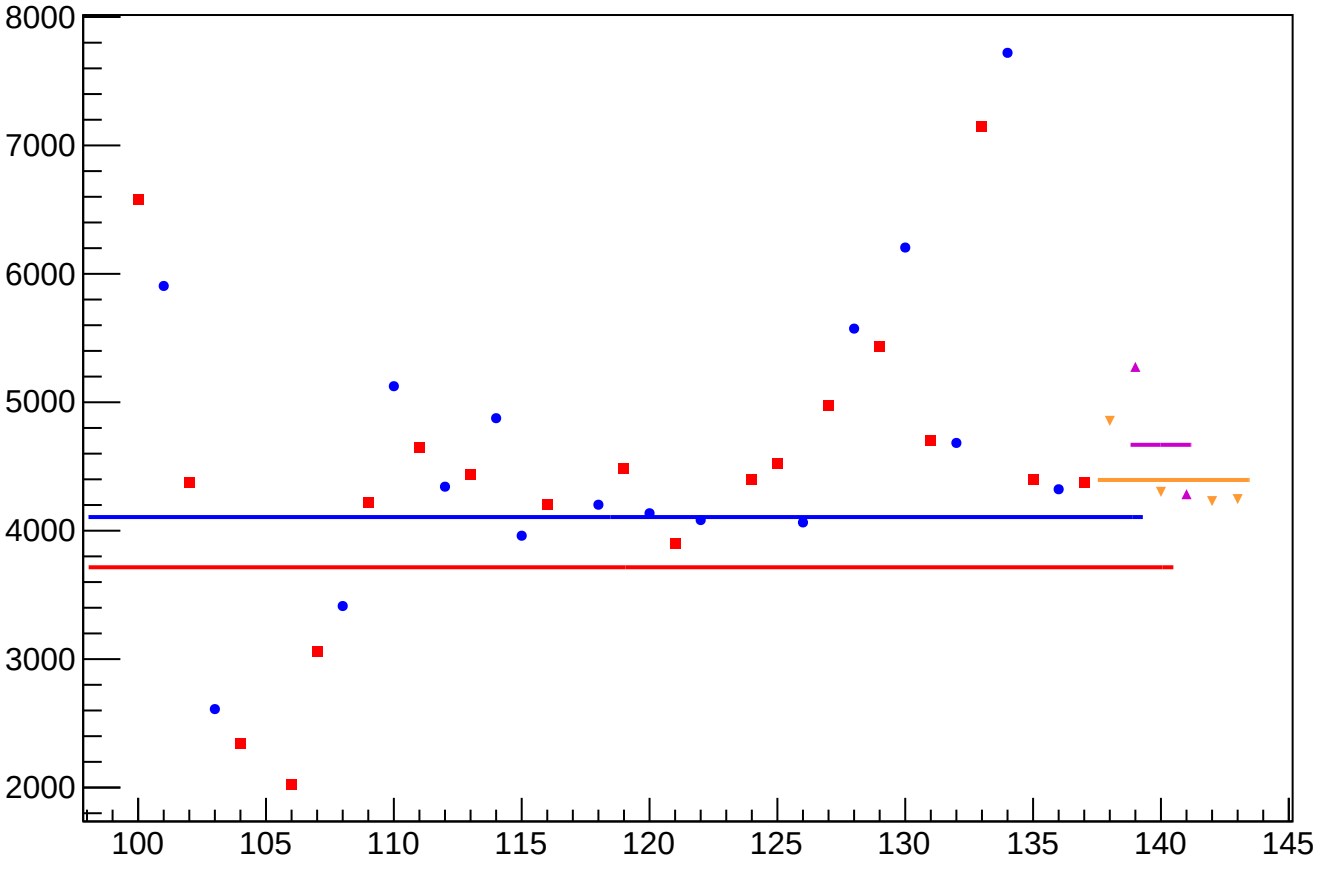
Left: 1655.438+/-2107.083 χ^2/NDF: 2.0/5

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -1364.046+/-1449.524 χ^2/NDF:14.3/17

Out: 521.968+/-1268.207 χ^2/NDF:19.3/22

All: -295.769+/-954.464 χ^2/NDF: 34.5/40



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4395.076+/-1.843 χ^2/NDF:17855.0/3

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4668.777+/-2.530 χ^2/NDF:36445.4/1

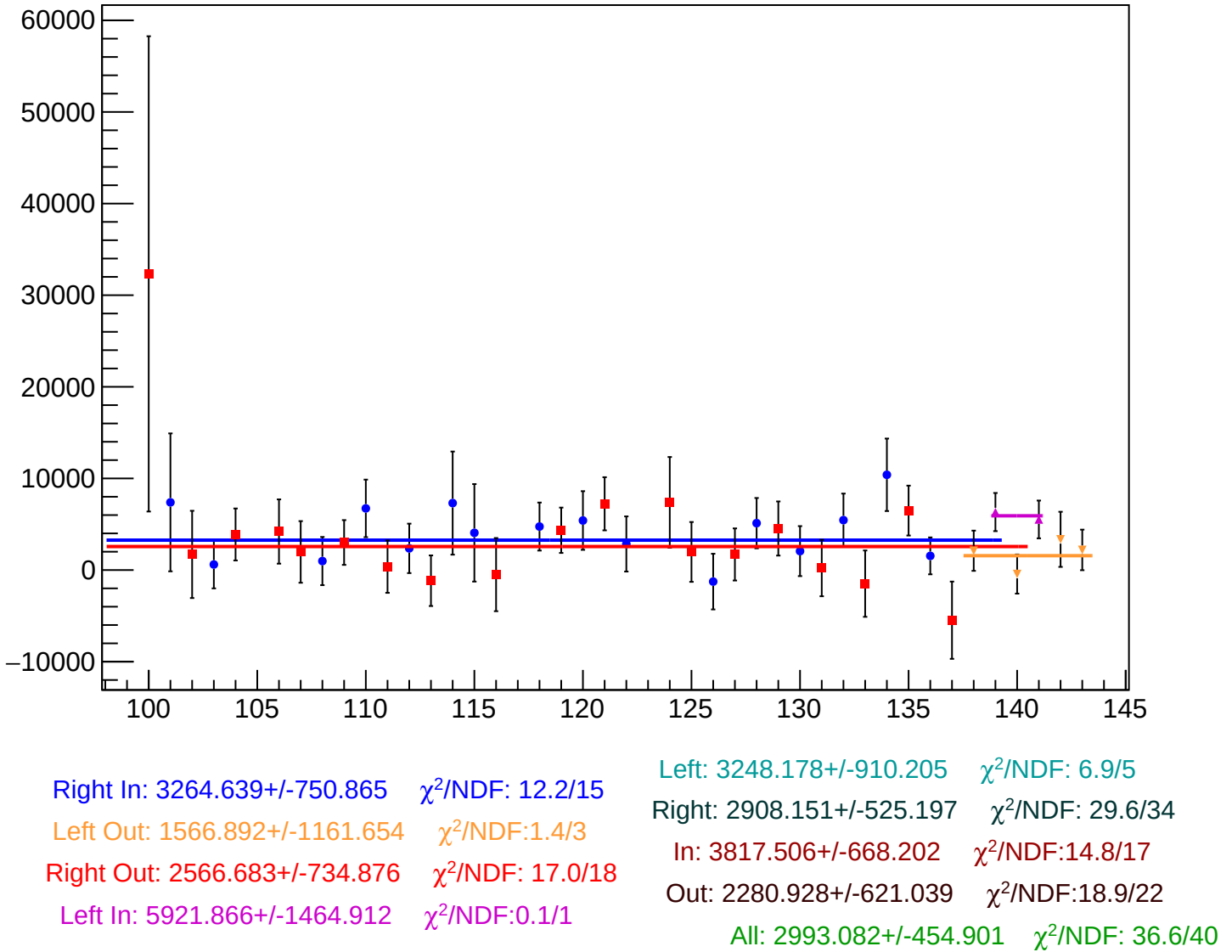
Left: 4489.983+/-1.490 χ^2/NDF: 61944.4/5

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

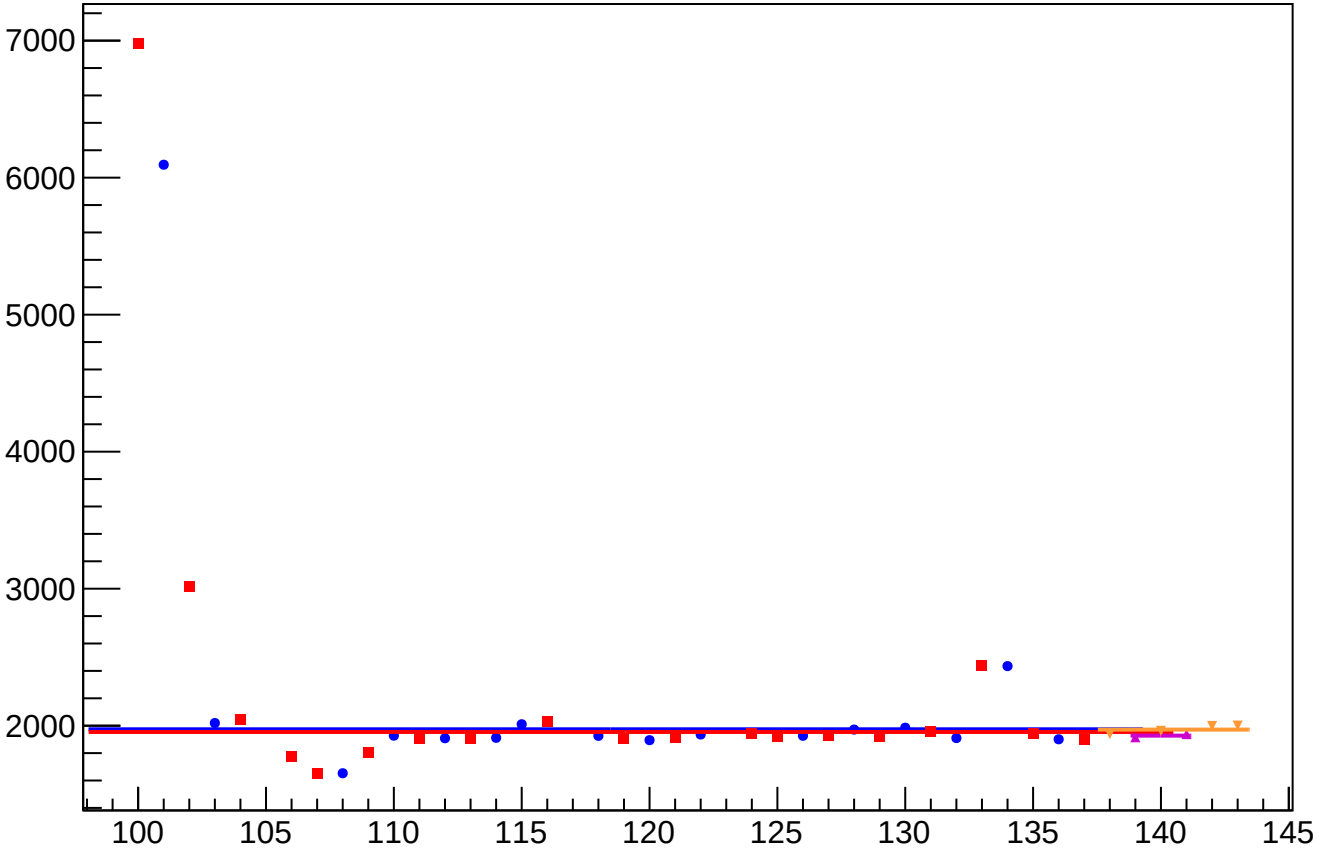
In: 4198.548+/-1.025 χ^2/NDF:1033396.1/17

Out: 3876.089+/-0.897 χ^2/NDF:1456786.6/22

All: 4015.901+/-0.675 χ^2/NDF: 2546244.4/40


dit_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 3264.639+/-750.865 χ²/NDF: 12.2/15
Left Out: 1566.892+/-1161.654 χ²/NDF:1.4/3
Right Out: 2566.683+/-734.876 χ²/NDF: 17.0/18
Left In: 5921.866+/-1464.912 χ²/NDF:0.1/1
Left: 3248.178+/-910.205 χ²/NDF: 6.9/5
Right: 2908.151+/-525.197 χ²/NDF: 29.6/34
In: 3817.506+/-668.202 χ²/NDF:14.8/17
Out: 2280.928+/-621.039 χ²/NDF:18.9/22
All: 2993.082+/-454.901 χ²/NDF: 36.6/40

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1971.533+/-0.821 χ^2/NDF:985.8/3

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1927.537+/-1.036 χ^2/NDF:126.1/1

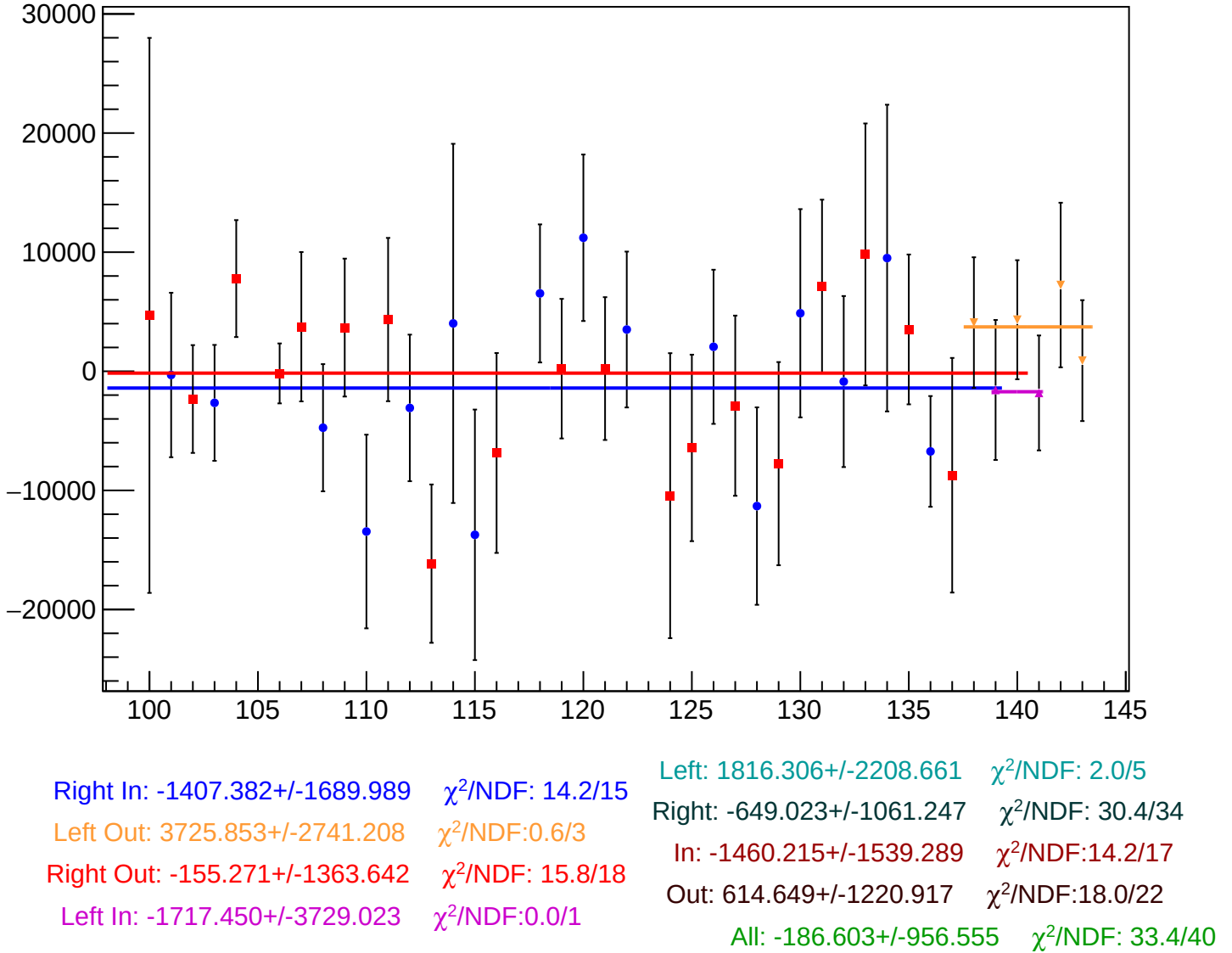
Left: 1954.548+/-0.644 χ^2/NDF: 2219.5/5

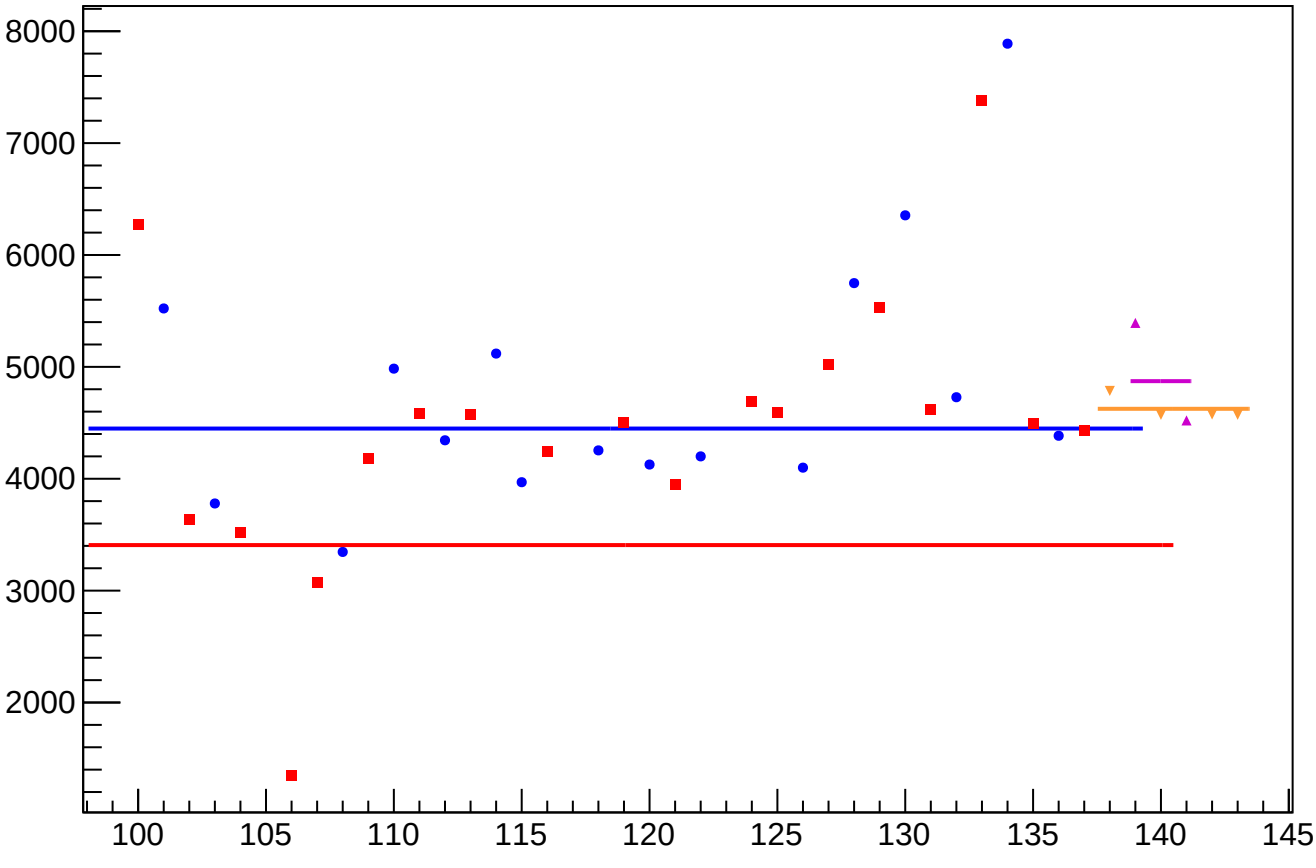
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1964.133+/-0.472 χ^2/NDF:666826.5/17

Out: 1959.247+/-0.439 χ^2/NDF:247510.2/22

All: 1961.510+/-0.322 χ^2/NDF: 914394.2/40


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 3725.853+/-2741.208 χ²/NDF:0.6/3
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: -1717.450+/-3729.023 χ²/NDF:0.0/1
Left: 1816.306+/-2208.661 χ²/NDF: 2.0/5
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -1460.215+/-1539.289 χ²/NDF:14.2/17
Out: 614.649+/-1220.917 χ²/NDF:18.0/22
All: -186.603+/-956.555 χ²/NDF: 33.4/40



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4625.221+/-1.938 χ^2/NDF:2264.4/3

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4872.373+/-2.637 χ^2/NDF:26284.5/1

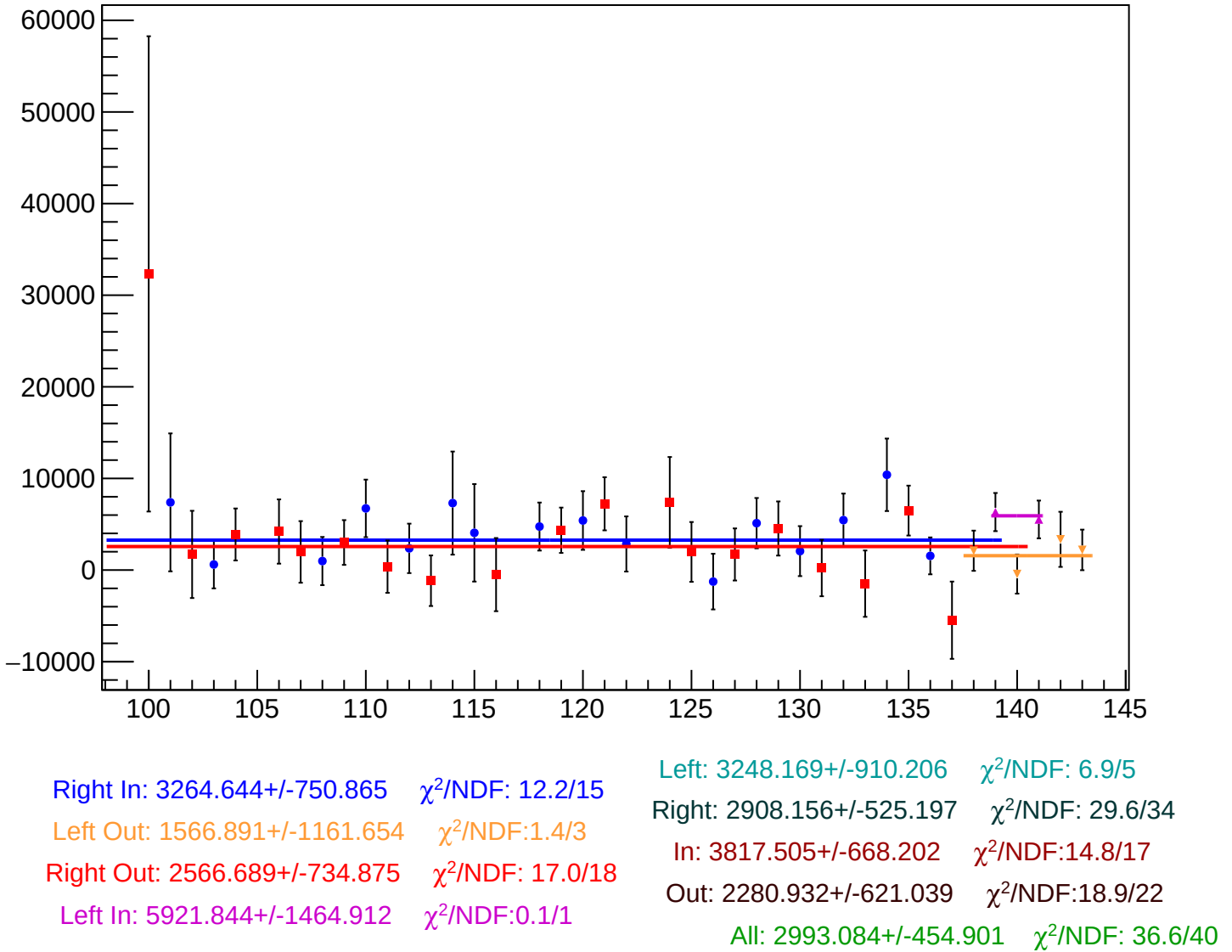
Left: 4711.924+/-1.562 χ^2/NDF: 34252.4/5

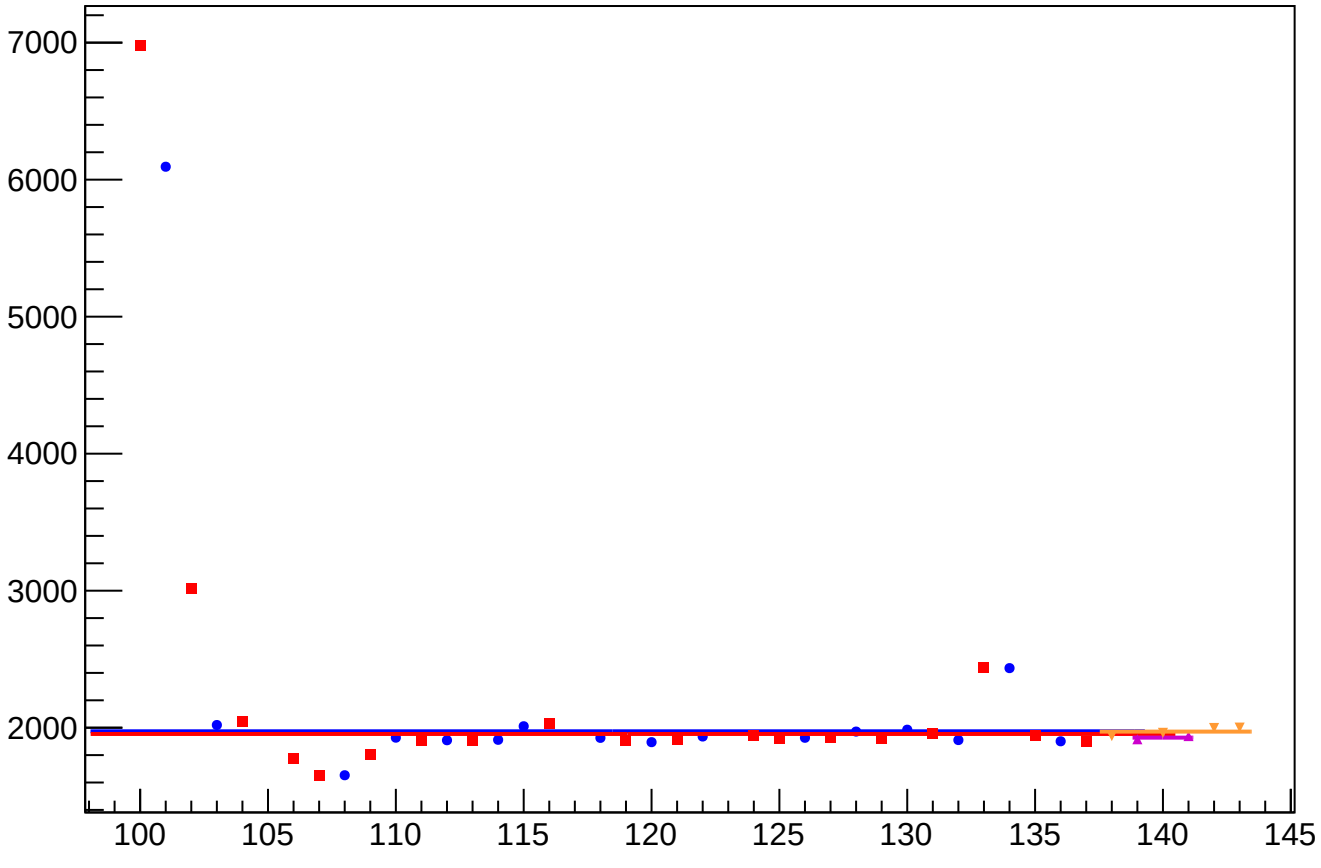
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4520.900+/-1.088 χ^2/NDF:542314.6/17

Out: 3648.768+/-0.863 χ^2/NDF:2644901.1/22

All: 3985.559+/-0.676 χ^2/NDF: 3581311.4/40


eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: 3264.644+/-750.865 χ²/NDF: 12.2/15
Left Out: 1566.891+/-1161.654 χ²/NDF:1.4/3
Right Out: 2566.689+/-734.875 χ²/NDF: 17.0/18
Left In: 5921.844+/-1464.912 χ²/NDF:0.1/1
Left: 3248.169+/-910.206 χ²/NDF: 6.9/5
Right: 2908.156+/-525.197 χ²/NDF: 29.6/34
In: 3817.505+/-668.202 χ²/NDF:14.8/17
Out: 2280.932+/-621.039 χ²/NDF:18.9/22
All: 2993.084+/-454.901 χ²/NDF: 36.6/40



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1971.534+/-0.821 χ^2/NDF:985.9/3

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1927.537+/-1.036 χ^2/NDF:126.1/1

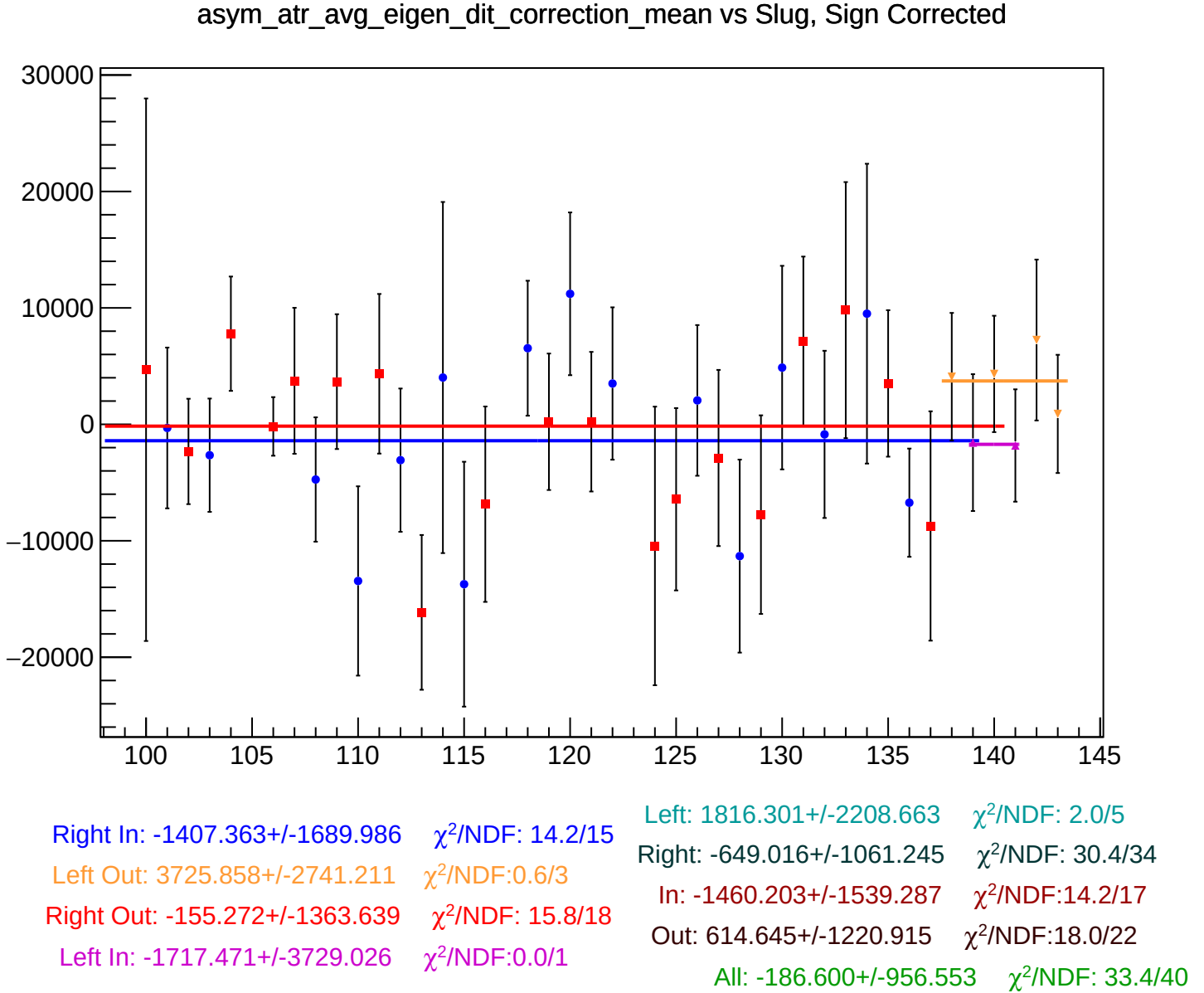
Left: 1954.548+/-0.644 χ^2/NDF: 2219.6/5

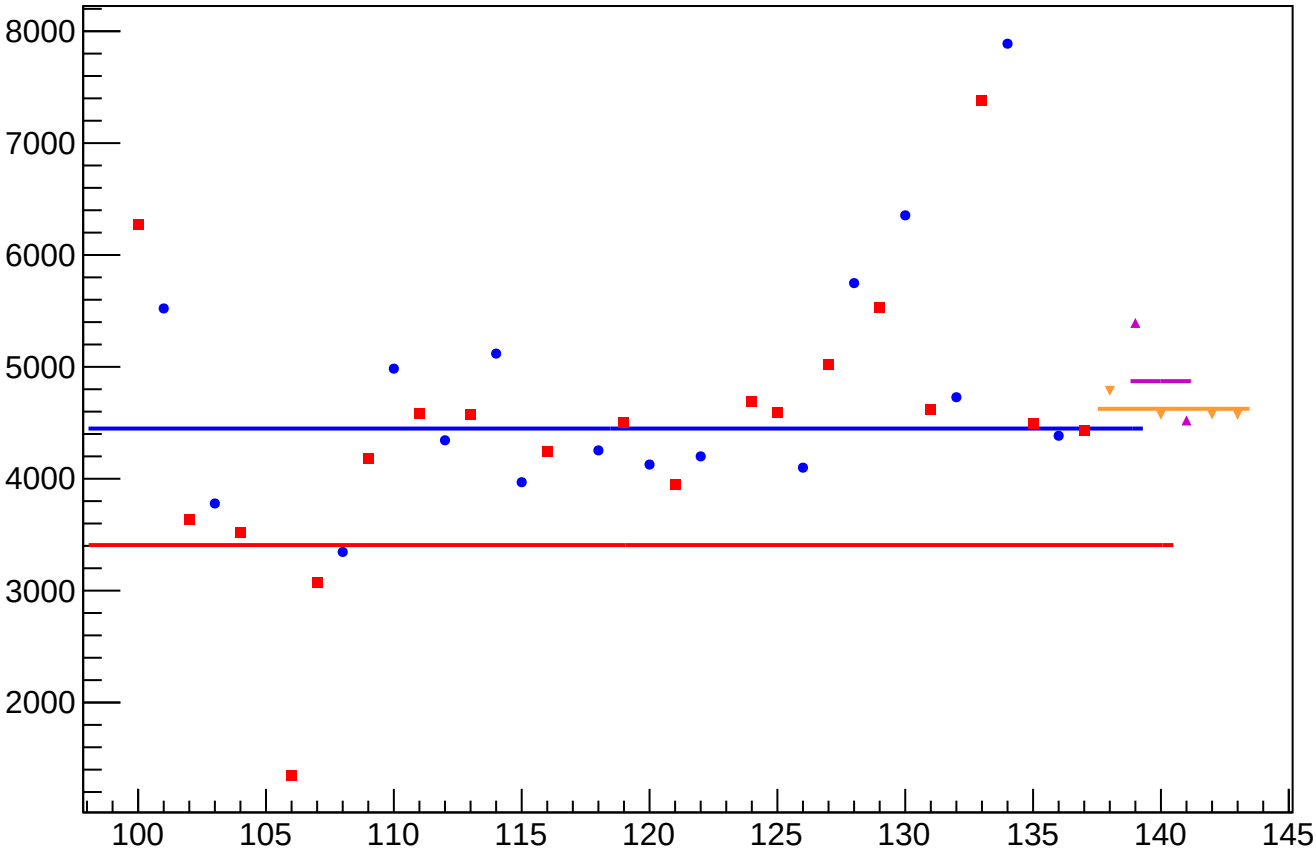
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1964.133+/-0.472 χ^2/NDF:666826.5/17

Out: 1959.247+/-0.439 χ^2/NDF:247509.8/22

All: 1961.510+/-0.322 χ^2/NDF: 914393.7/40


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 3725.858+/-2741.211 χ²/NDF:0.6/3
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: -1717.471+/-3729.026 χ²/NDF:0.0/1
Left: 1816.301+/-2208.663 χ²/NDF: 2.0/5
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -1460.203+/-1539.287 χ²/NDF:14.2/17
Out: 614.645+/-1220.915 χ²/NDF:18.0/22
All: -186.600+/-956.553 χ²/NDF: 33.4/40



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4625.226+/-1.938 χ^2/NDF:2264.4/3

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: 4711.928+/-1.562 χ^2/NDF: 34252.8/5

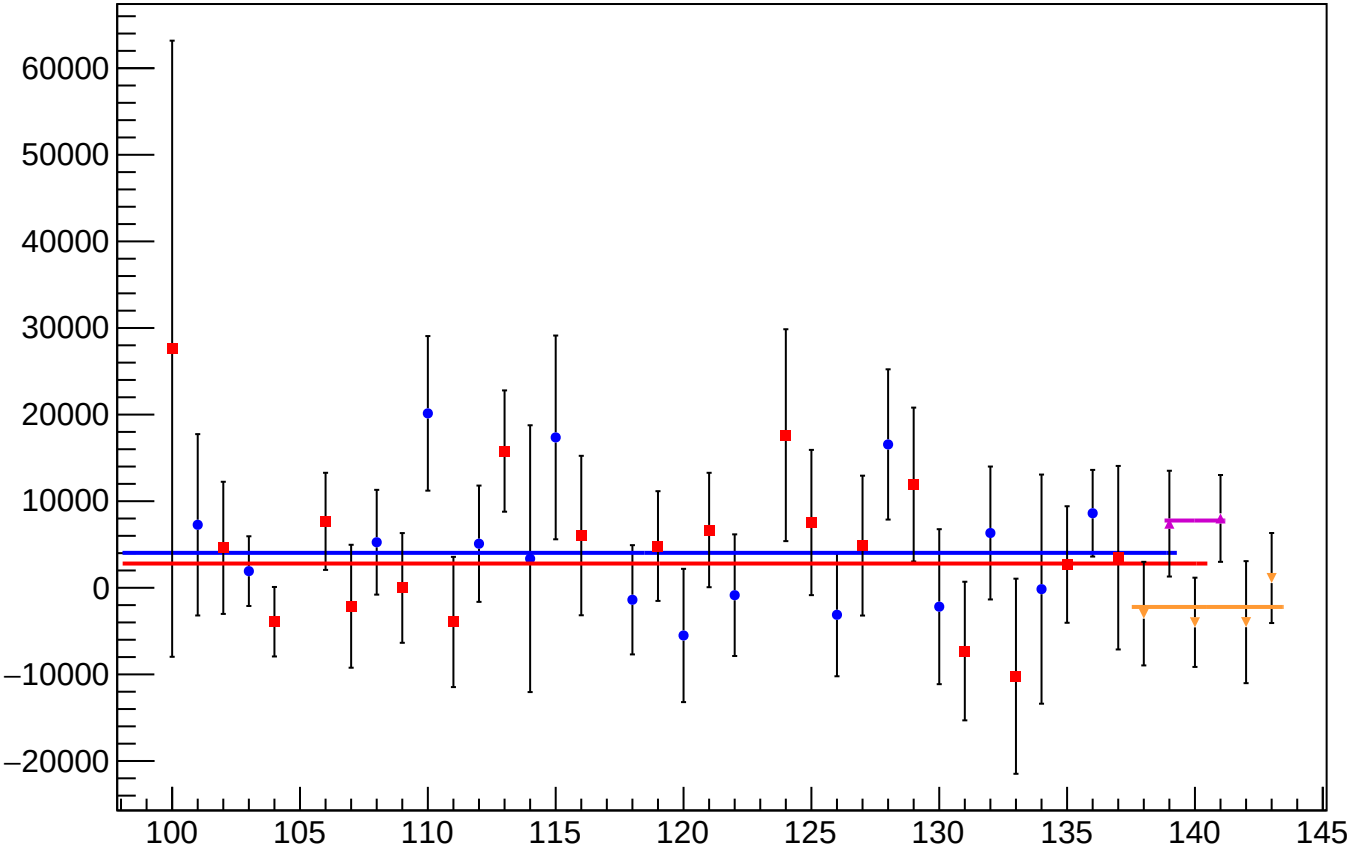
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4520.894+/-1.088 χ^2/NDF:542313.3/17

Out: 3648.761+/-0.863 χ^2/NDF:2644911.4/22

All: 3985.553+/-0.676 χ^2/NDF: 3581322.5/40

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -2212.623+/-2853.863 χ^2/NDF:0.6/3

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 7767.364+/-3875.090 χ^2/NDF:0.0/1

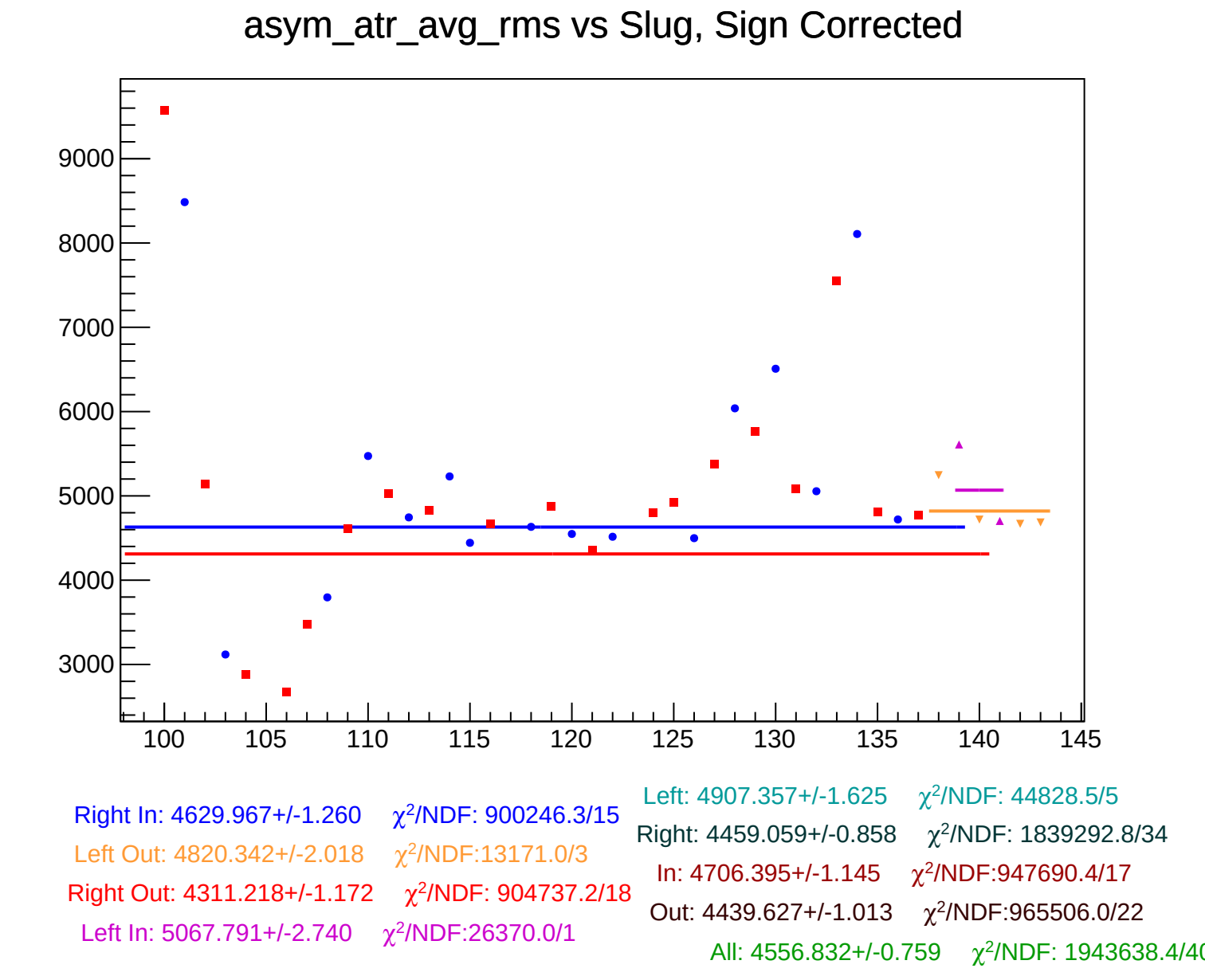
Left: 1296.847+/-2297.934 χ^2/NDF: 4.9/5

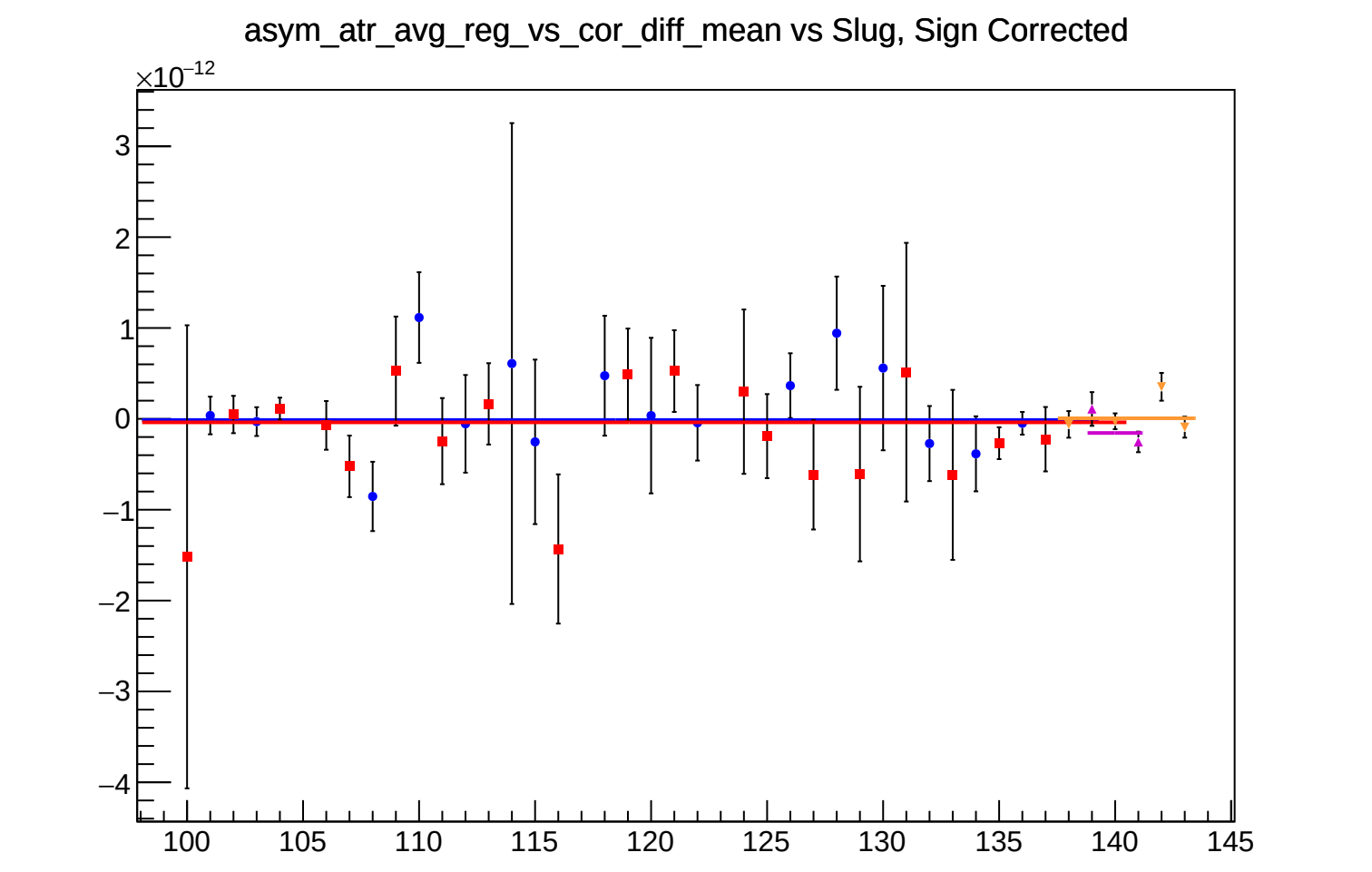
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 4686.177+/-1619.038 χ^2/NDF:13.1/17

Out: 1519.647+/-1442.562 χ^2/NDF:18.3/22

All: 2920.992+/-1077.055 χ^2/NDF: 33.6/40


asym_atr_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
105
110
115
120
125
130
135
140
145
Right In: 4629.967+/-1.260 χ²/NDF: 900246.3/15
Left Out: 4820.342+/-2.018 χ²/NDF:13171.0/3
Right Out: 4311.218+/-1.172 χ²/NDF: 904737.2/18
Left In: 5067.791+/-2.740 χ²/NDF:26370.0/1
Left: 4907.357+/-1.625 χ²/NDF: 44828.5/5
Right: 4459.059+/-0.858 χ²/NDF: 1839292.8/34
In: 4706.395+/-1.145 χ²/NDF:947690.4/17
Out: 4439.627+/-1.013 χ²/NDF:965506.0/22
All: 4556.832+/-0.759 χ²/NDF: 1943638.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/1

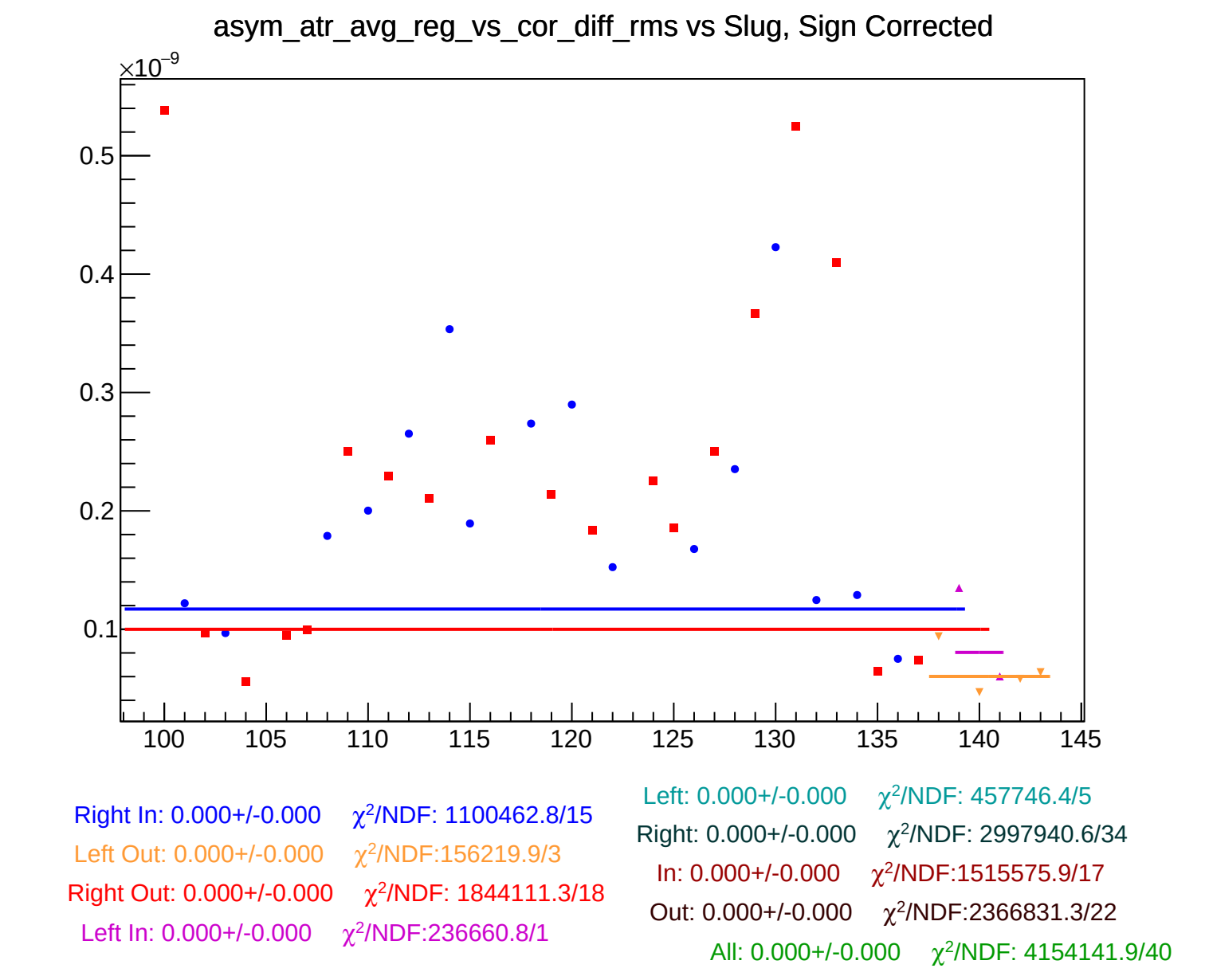
Left: -0.000+/-0.000 χ^2/NDF: 11.0/5

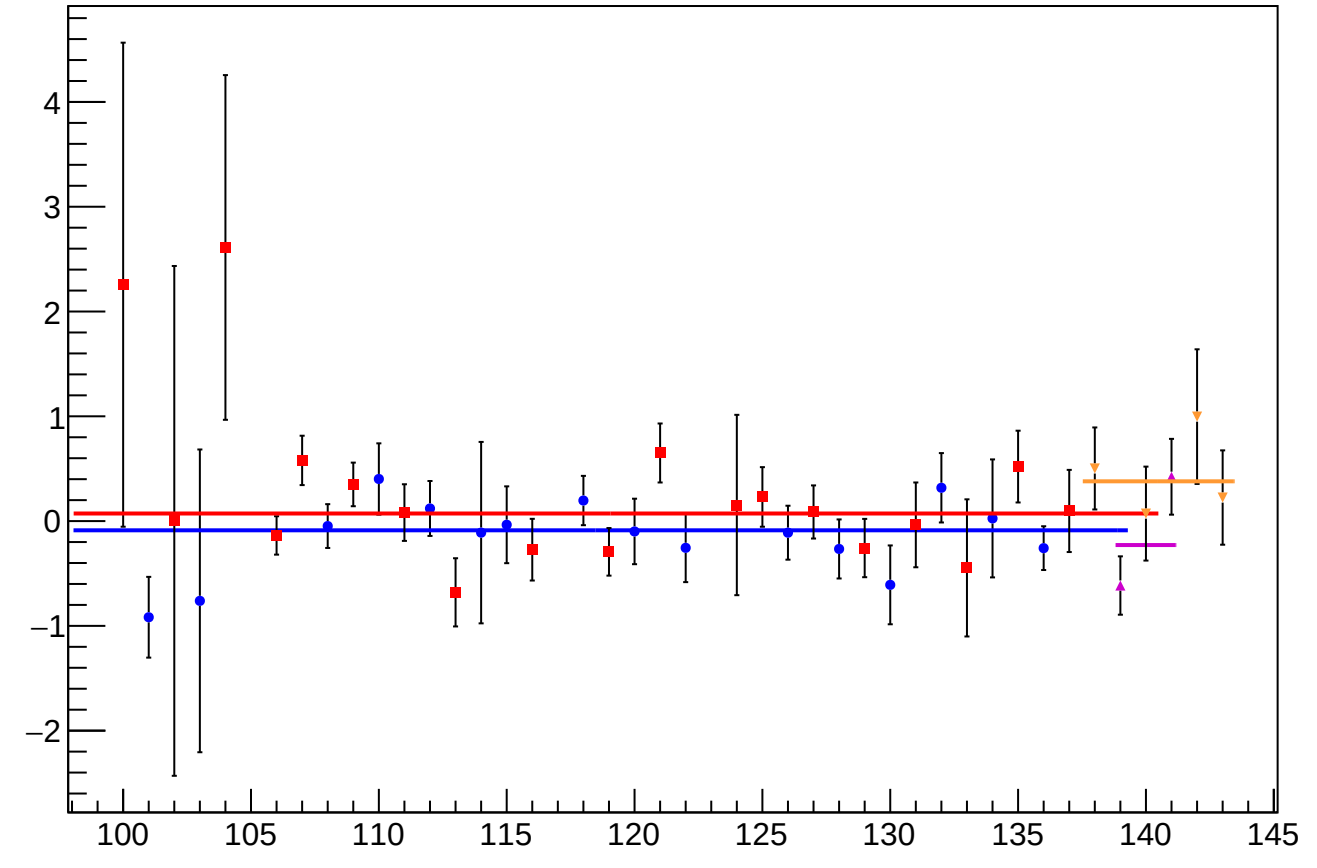
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:20.0/17

Out: -0.000+/-0.000 χ^2/NDF:21.4/22

All: -0.000+/-0.000 χ^2/NDF: 42.0/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:156219.9/3
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: 457746.4/5
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:2366831.3/22
All: 0.000+/-0.000 χ²/NDF: 4154141.9/40



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.229+/-0.221 χ^2/NDF:5.2/1

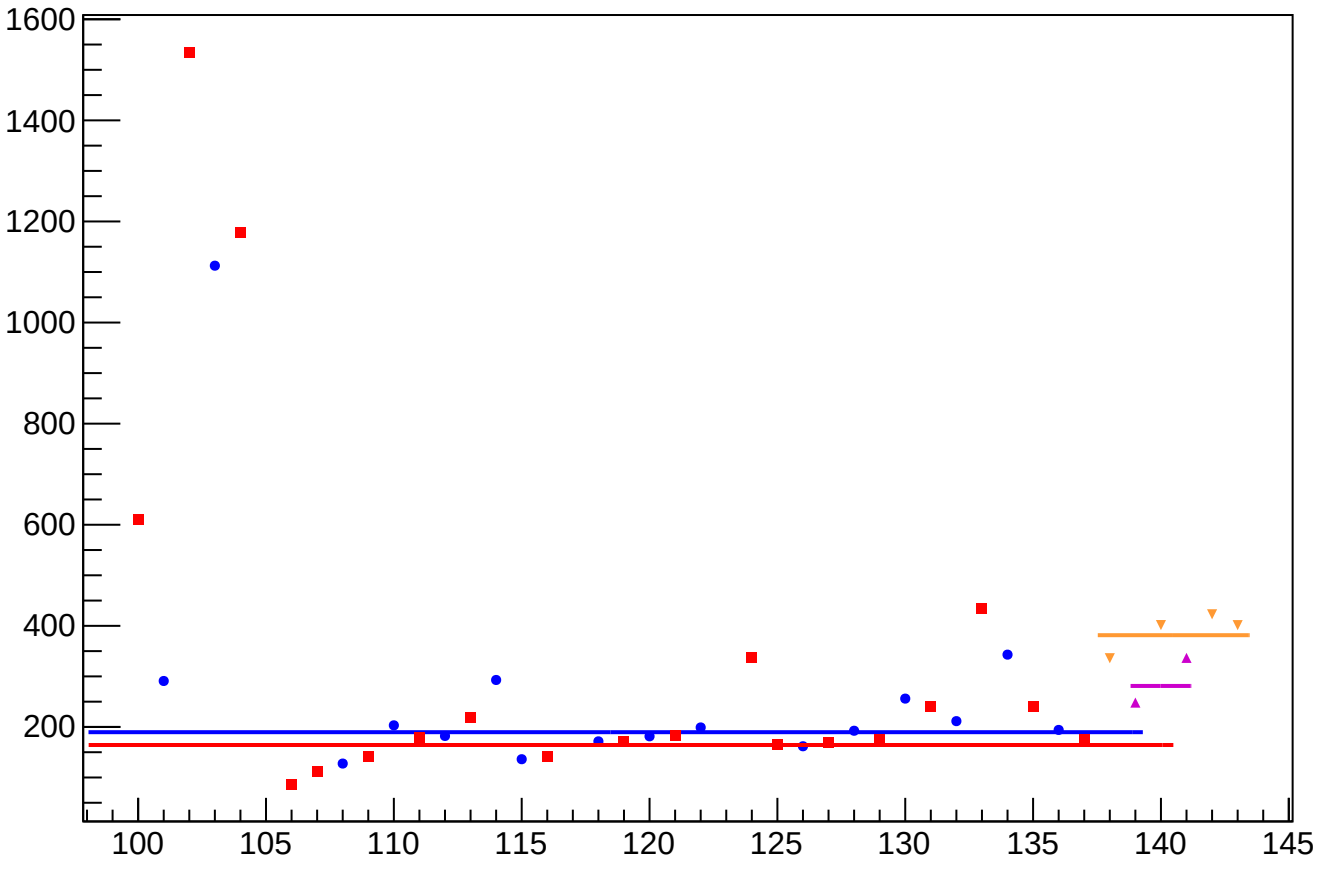
Left: 0.063+/-0.159 χ^2/NDF: 10.4/5

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.006+/-0.049 χ^2/NDF: 55.5/40



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 381.515+/-0.163 χ^2/NDF:43285.9/3

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 281.110+/-0.156 χ^2/NDF:75125.0/1

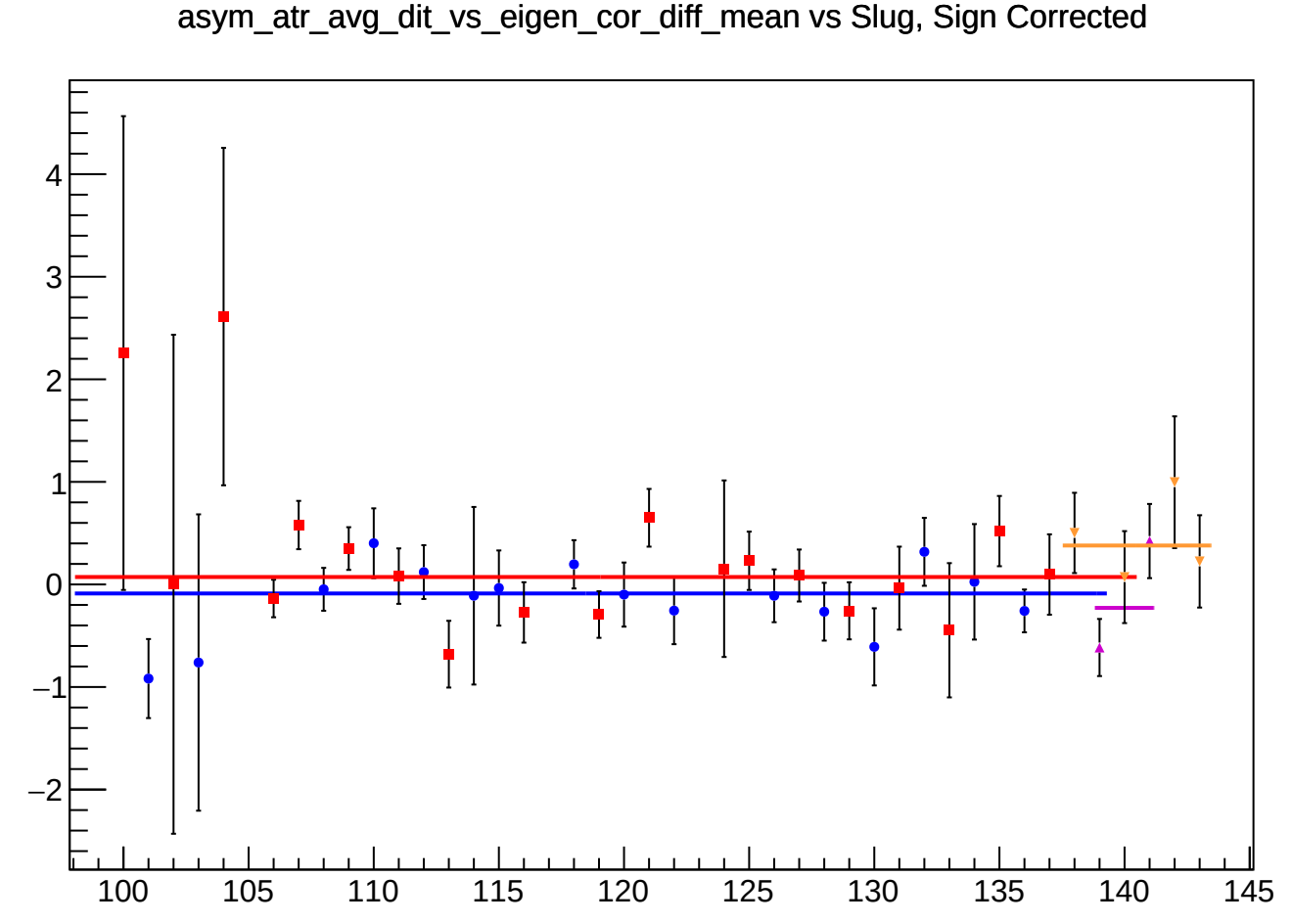
Left: 329.180+/-0.113 χ^2/NDF: 316661.1/5

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

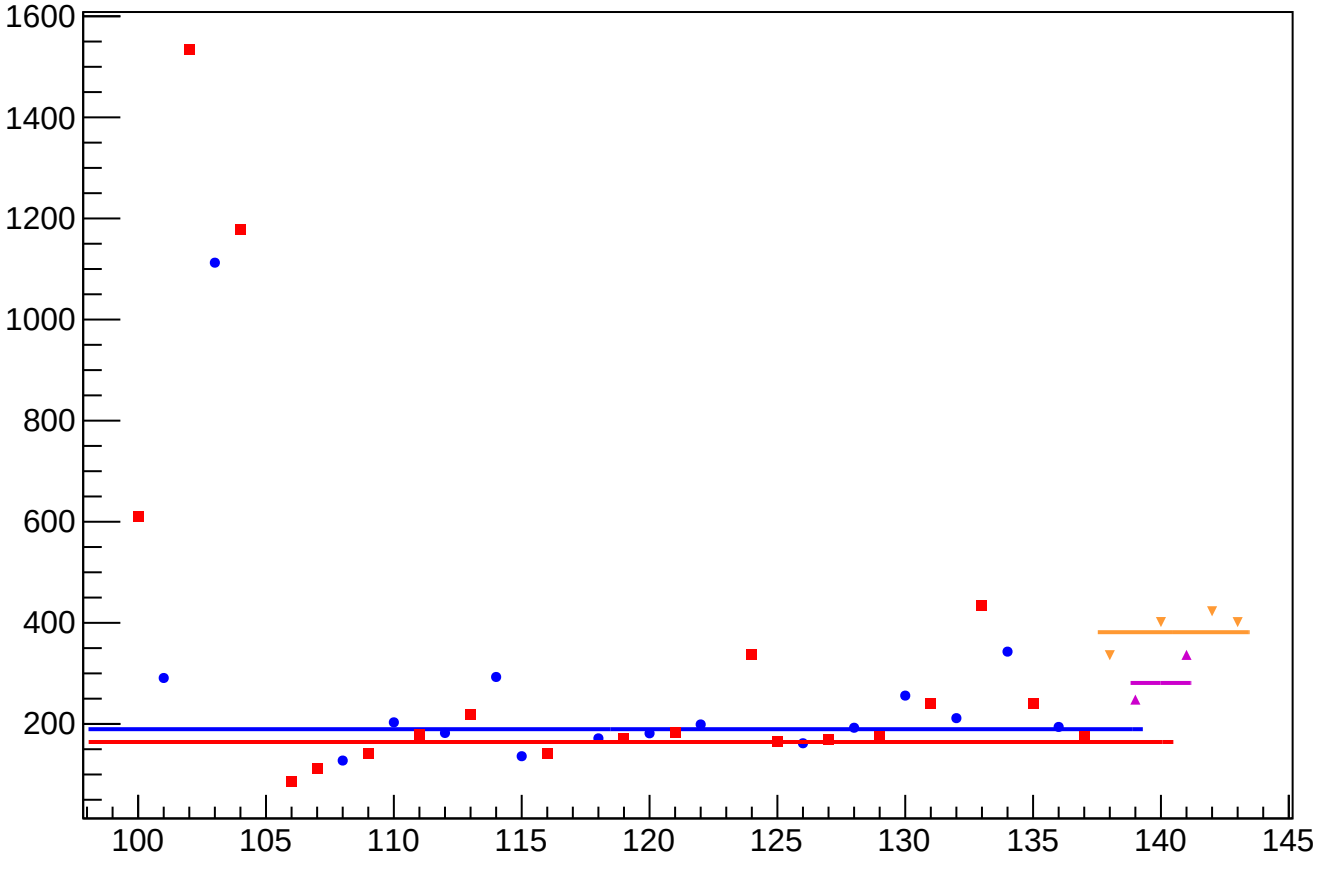
In: 199.505+/-0.051 χ^2/NDF:1847239.2/17

Out: 182.674+/-0.047 χ^2/NDF:4316398.3/22

All: 190.424+/-0.035 χ^2/NDF: 6221786.4/40


asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.380+/-0.230 χ²/NDF:1.6/3
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.229+/-0.221 χ²/NDF:5.2/1
Left: 0.063+/-0.159 χ²/NDF: 10.4/5
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.103+/-0.073 χ²/NDF:19.4/17
Out: 0.098+/-0.067 χ²/NDF:31.9/22
All: 0.006+/-0.049 χ²/NDF: 55.5/40

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: 381.515+/-0.163 χ^2/NDF:43285.9/3

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 281.110+/-0.156 χ^2/NDF:75125.0/1

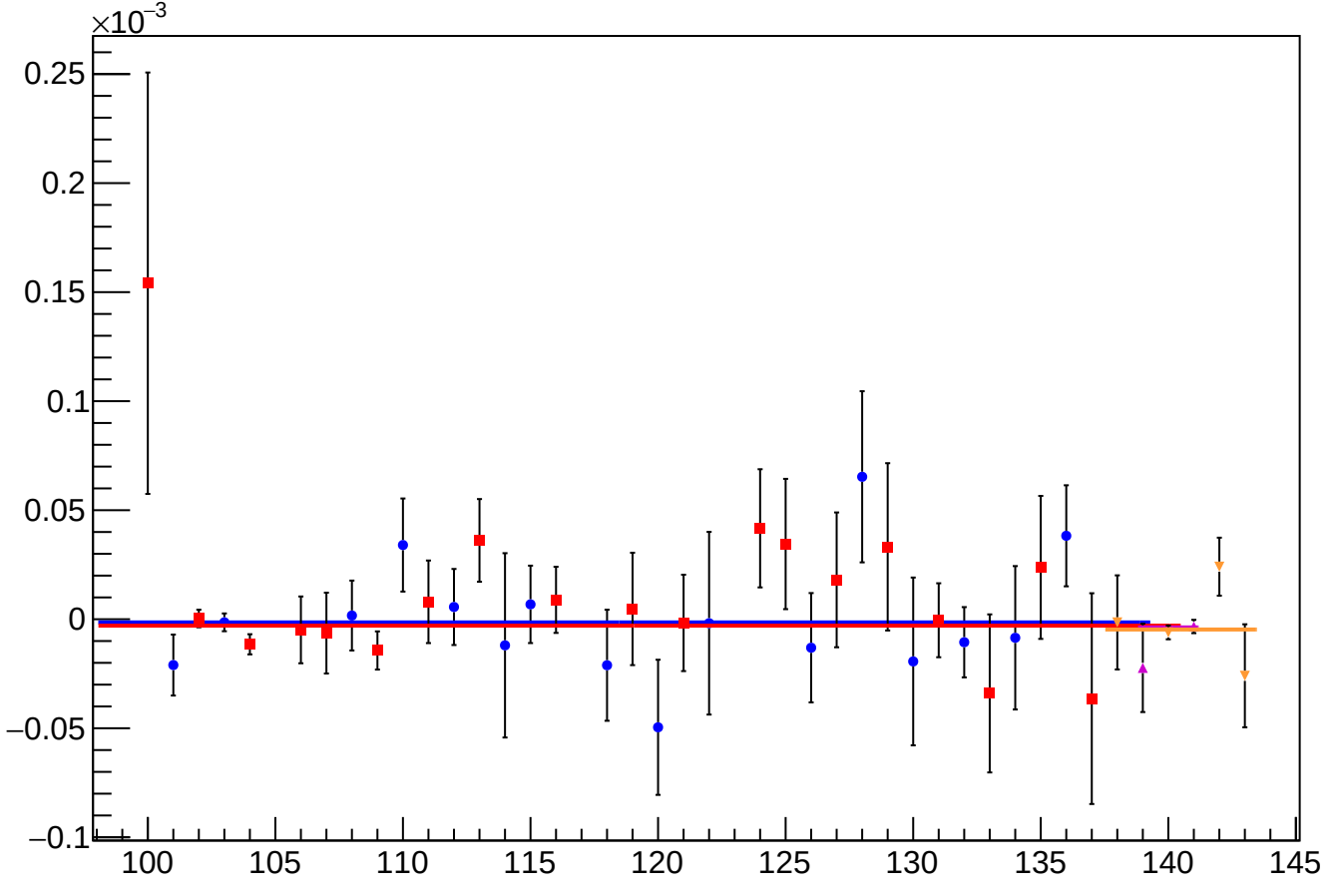
Left: 329.180+/-0.113 χ^2/NDF: 316661.1/5

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 199.505+/-0.051 χ^2/NDF:1847239.2/17

Out: 182.674+/-0.047 χ^2/NDF:4316398.3/22

All: 190.424+/-0.035 χ^2/NDF: 6221786.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

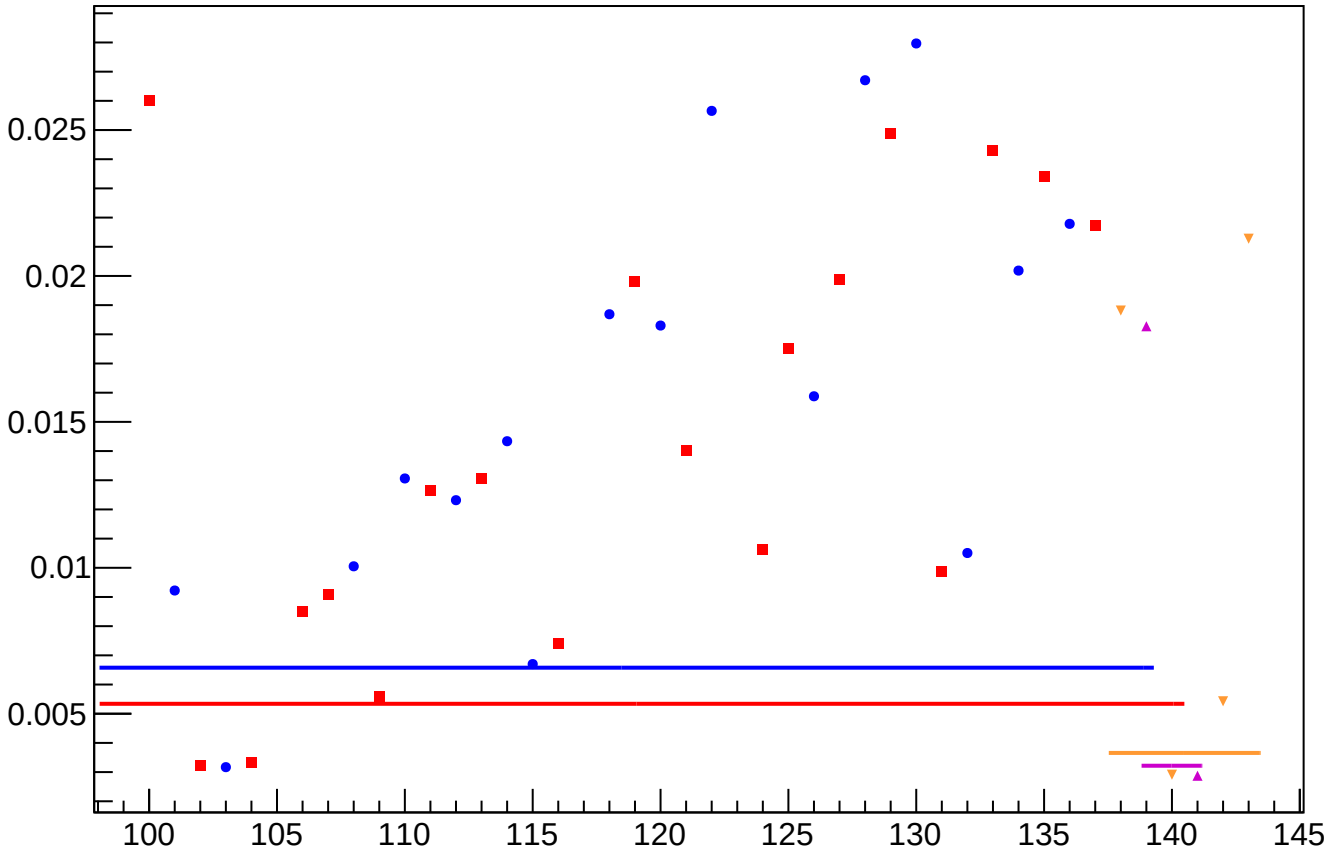
Left: -0.000+/-0.000 χ^2/NDF: 6.6/5

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:27.2/22

All: -0.000+/-0.000 χ^2/NDF: 43.3/40



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2245516.1/3

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1128866.2/1

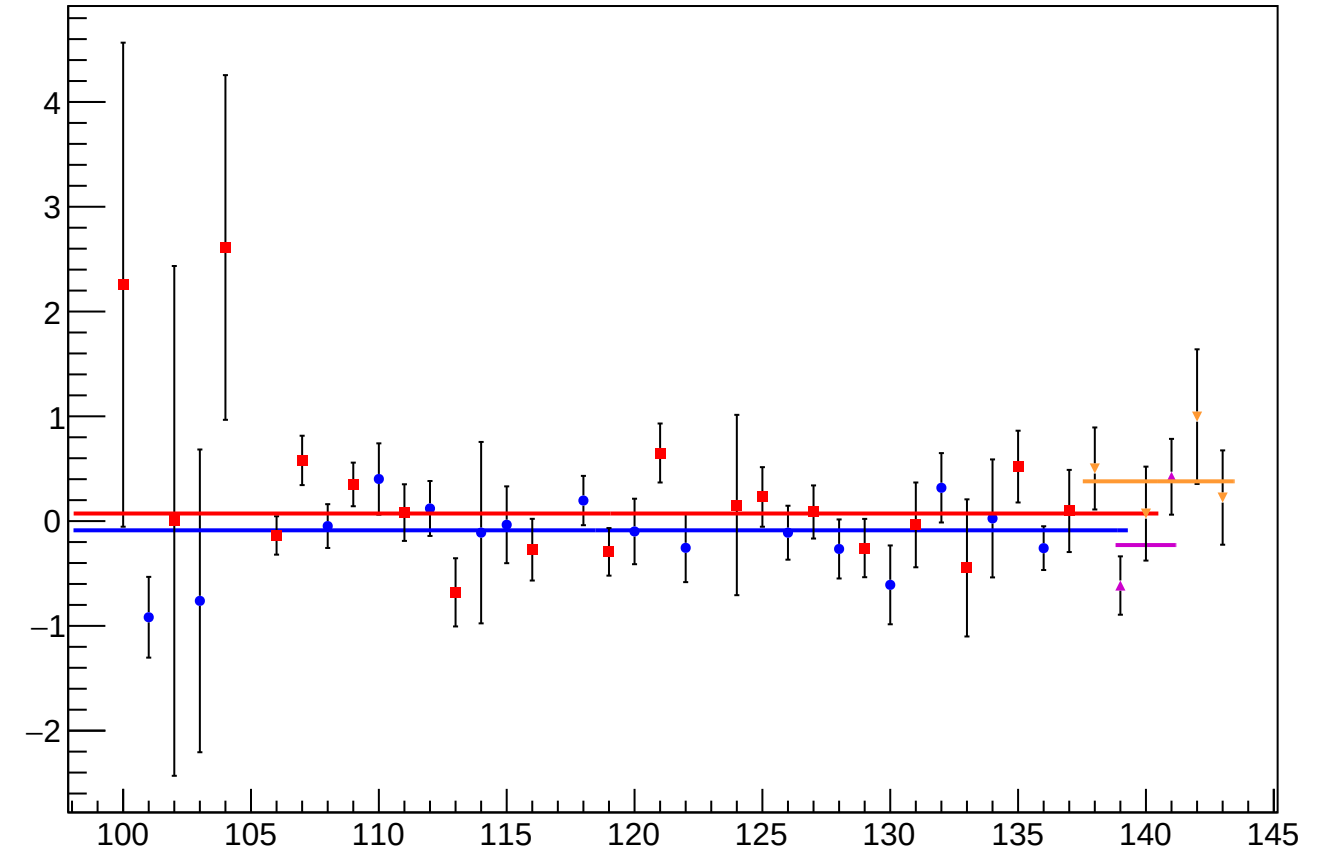
Left: 0.003+/-0.000 χ^2/NDF: 3395378.1/5

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:8291058.9/22

All: 0.005+/-0.000 χ^2/NDF: 16472153.0/40



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

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: 0.063+/-0.159 χ^2/NDF: 10.4/5

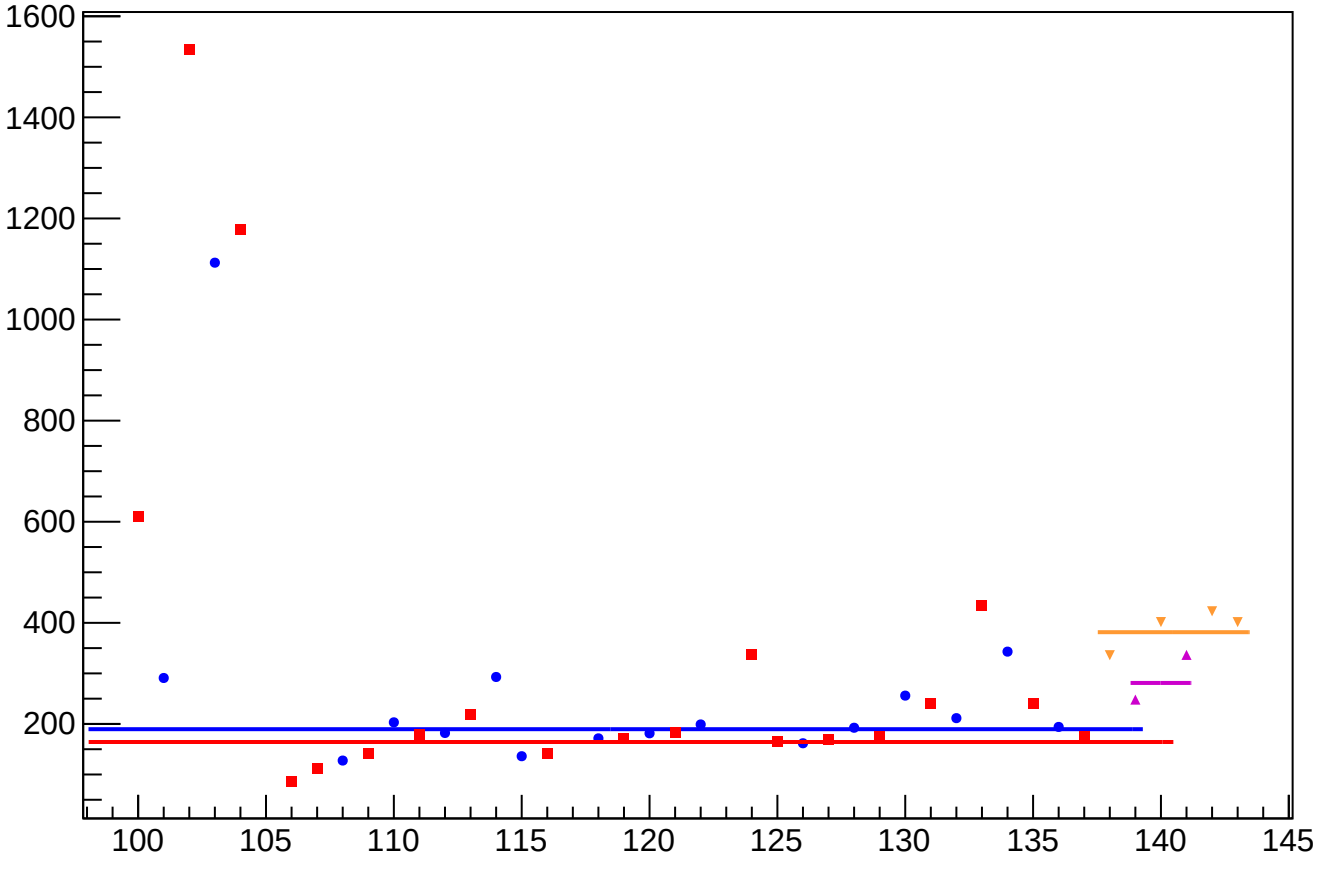
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.006+/-0.049 χ^2/NDF: 55.5/40

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: 381.520+/-0.163 χ^2/NDF:43281.9/3

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 281.113+/-0.156 χ^2/NDF:75116.2/1

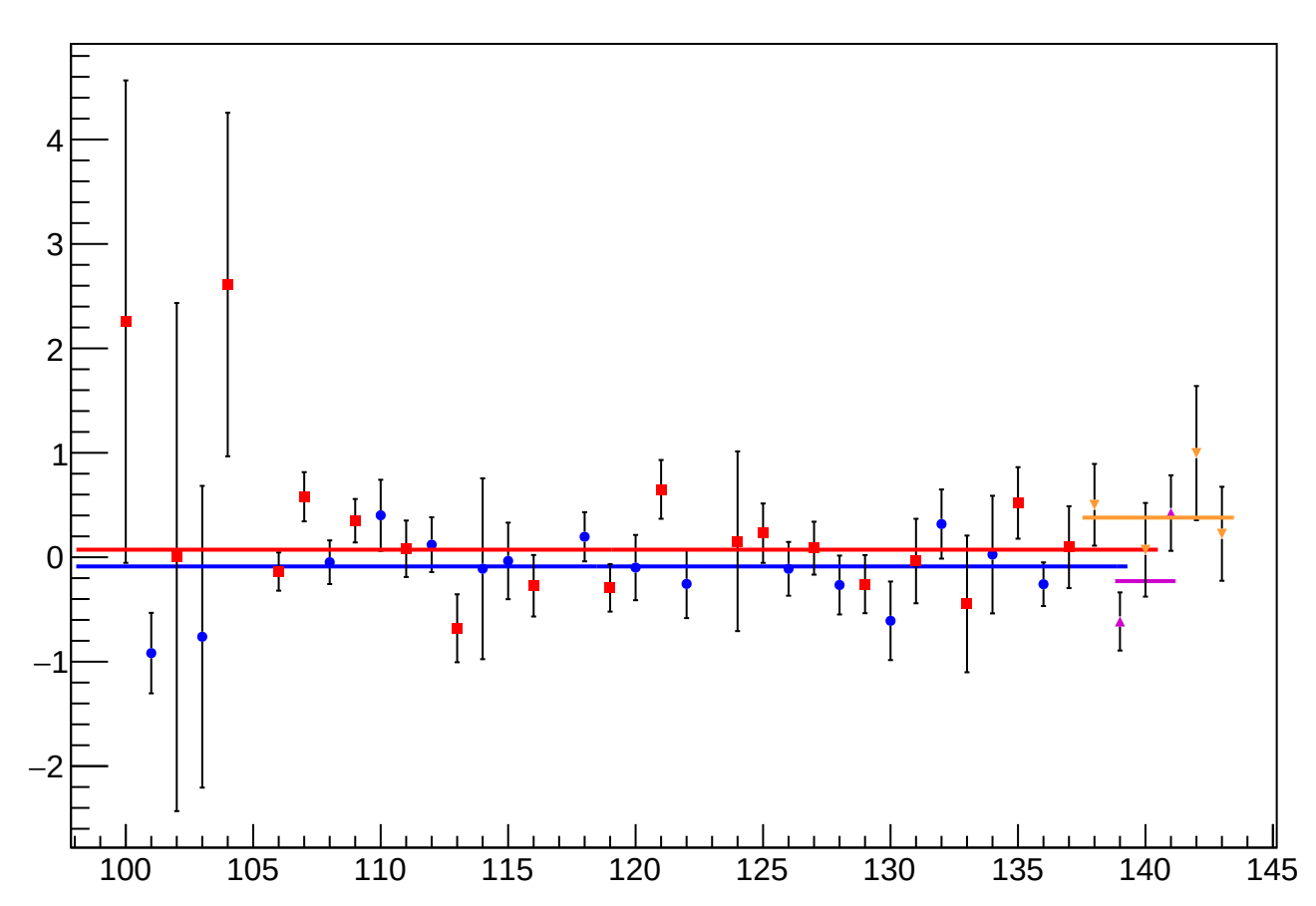
Left: 329.184+/-0.113 χ^2/NDF: 316649.0/5

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 199.505+/-0.051 χ^2/NDF:1847237.8/17

Out: 182.673+/-0.047 χ^2/NDF:4316415.2/22

All: 190.424+/-0.035 χ^2/NDF: 6221804.3/40



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.380+/-0.230 χ^2/NDF:1.6/3

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: 0.063+/-0.159 χ^2/NDF: 10.4/5

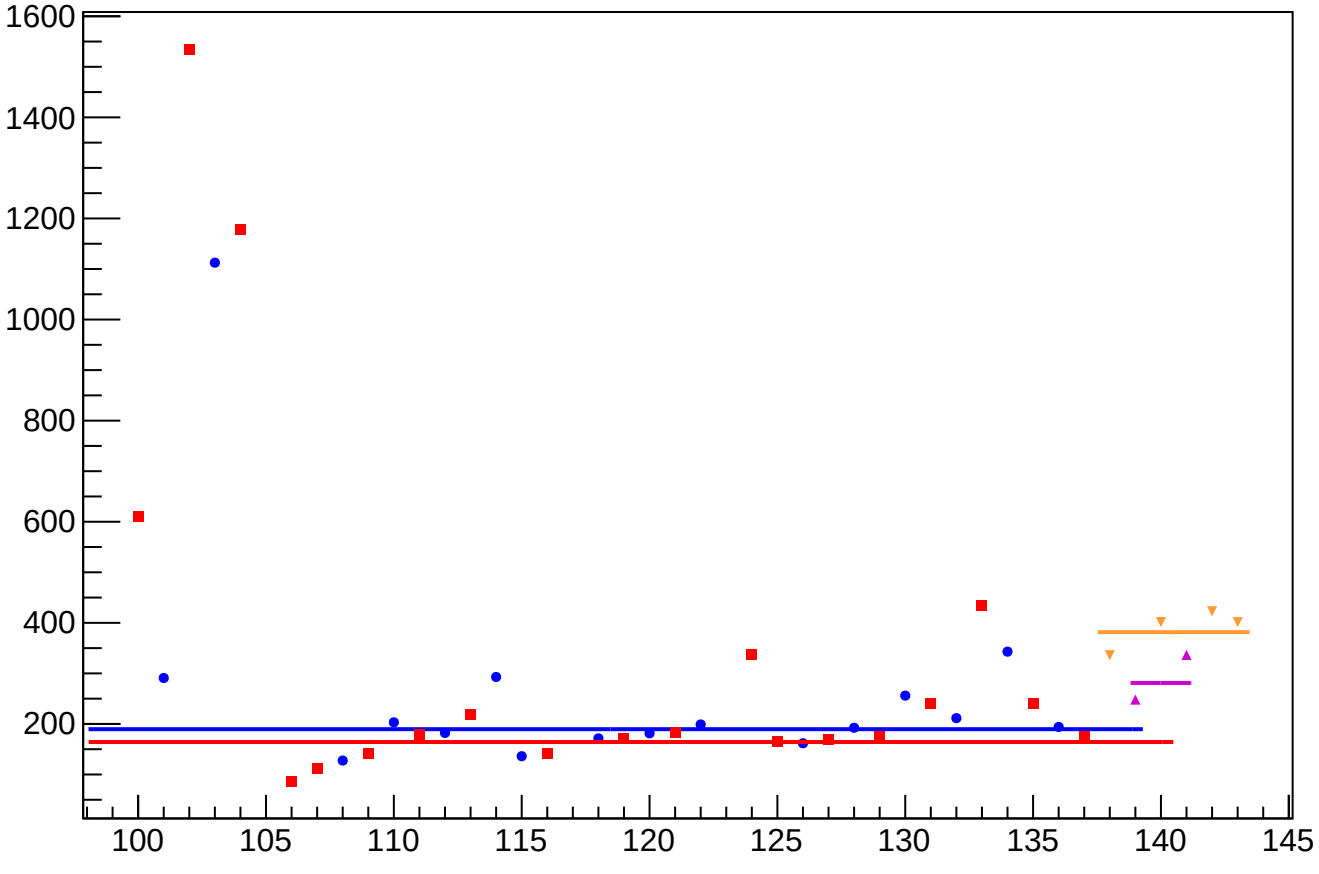
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.103+/-0.073 χ^2/NDF:19.4/17

Out: 0.098+/-0.067 χ^2/NDF:31.9/22

All: 0.006+/-0.049 χ^2/NDF: 55.5/40

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: 381.520+/-0.163 χ^2/NDF:43281.9/3

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 281.113+/-0.156 χ^2/NDF:75116.2/1

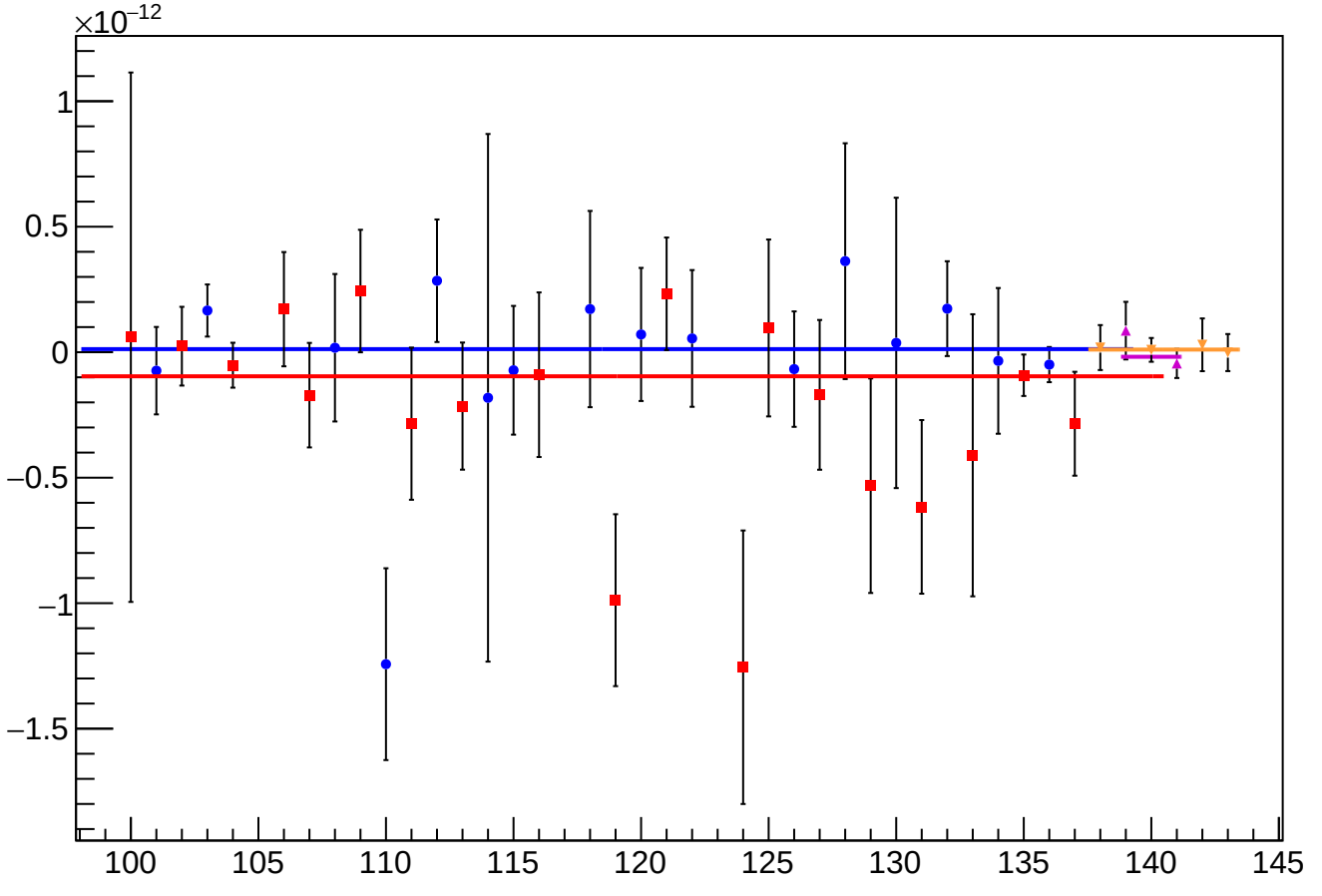
Left: 329.184+/-0.113 χ^2/NDF: 316649.0/5

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 199.505+/-0.051 χ^2/NDF:1847237.8/17

Out: 182.673+/-0.047 χ^2/NDF:4316415.2/22

All: 190.424+/-0.035 χ^2/NDF: 6221804.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

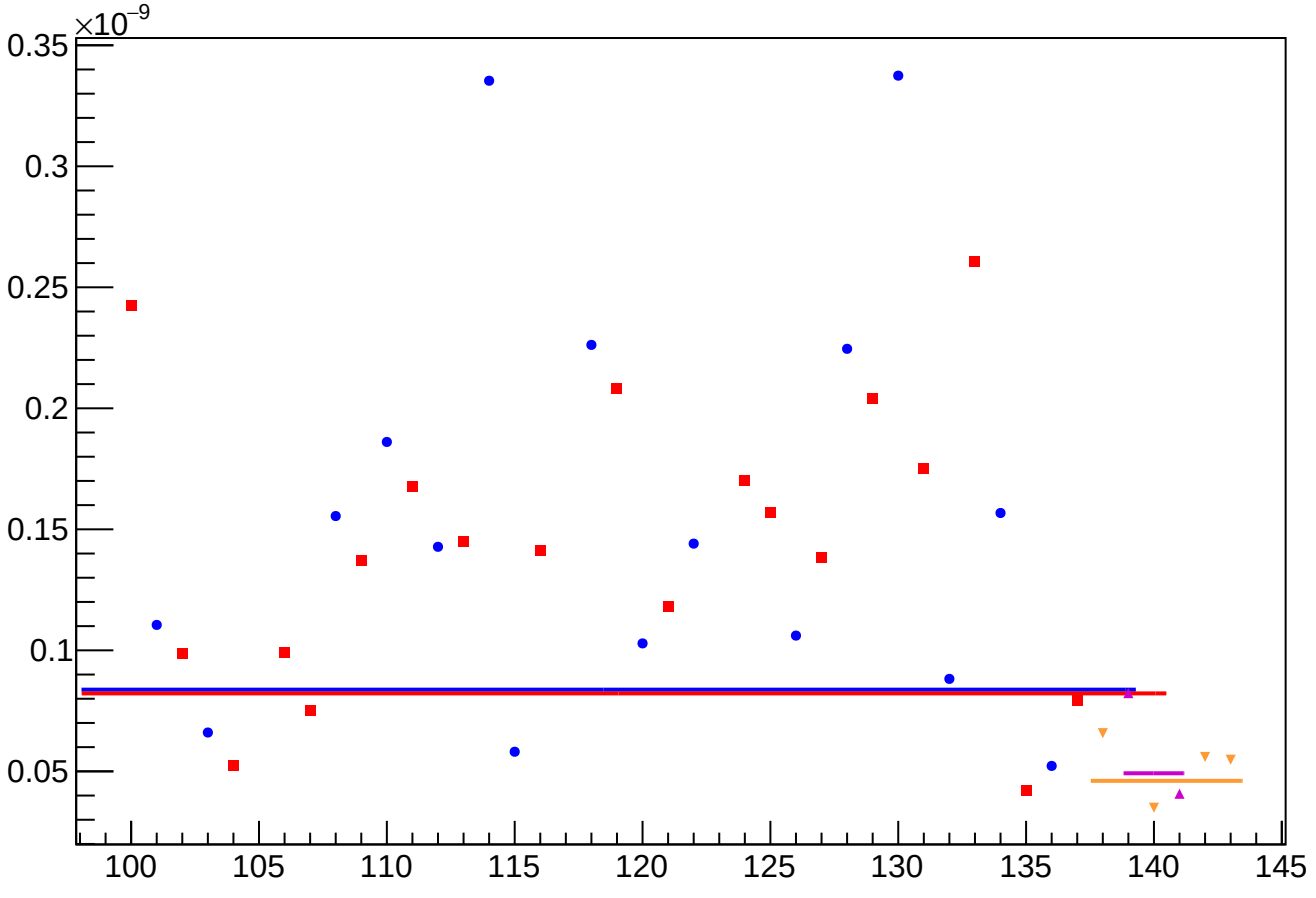
Left: 0.000+/-0.000 χ^2/NDF: 1.3/5

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:26.8/22

All: -0.000+/-0.000 χ^2/NDF: 45.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:251985.9/3

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: 466068.6/5

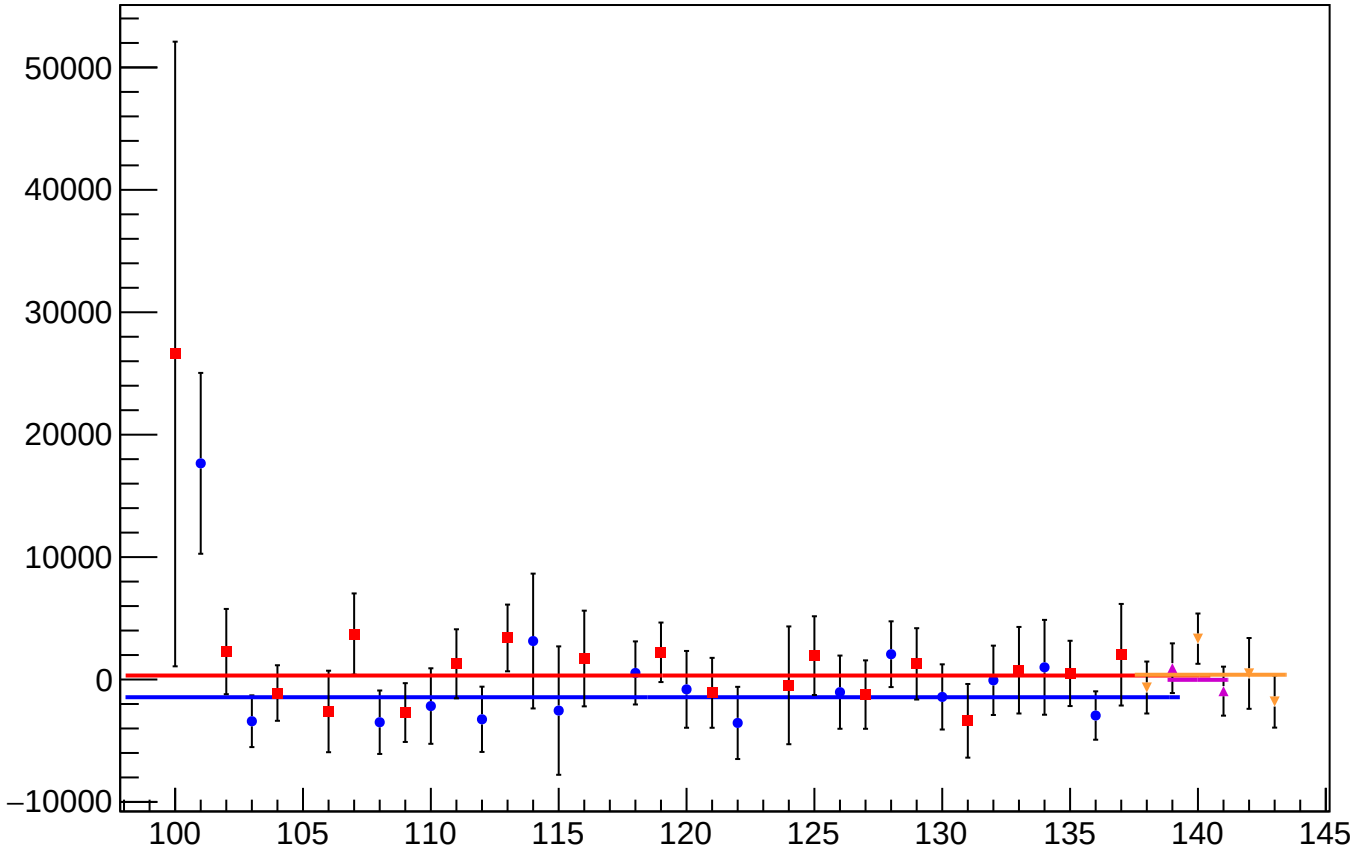
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2820130.1/17

Out: 0.000+/-0.000 χ^2/NDF:3342789.1/22

All: 0.000+/-0.000 χ^2/NDF: 6250489.4/40

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 389.887+/-1119.176 χ^2/NDF:3.4/3

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: 231.143+/-880.179 χ^2/NDF: 3.8/5

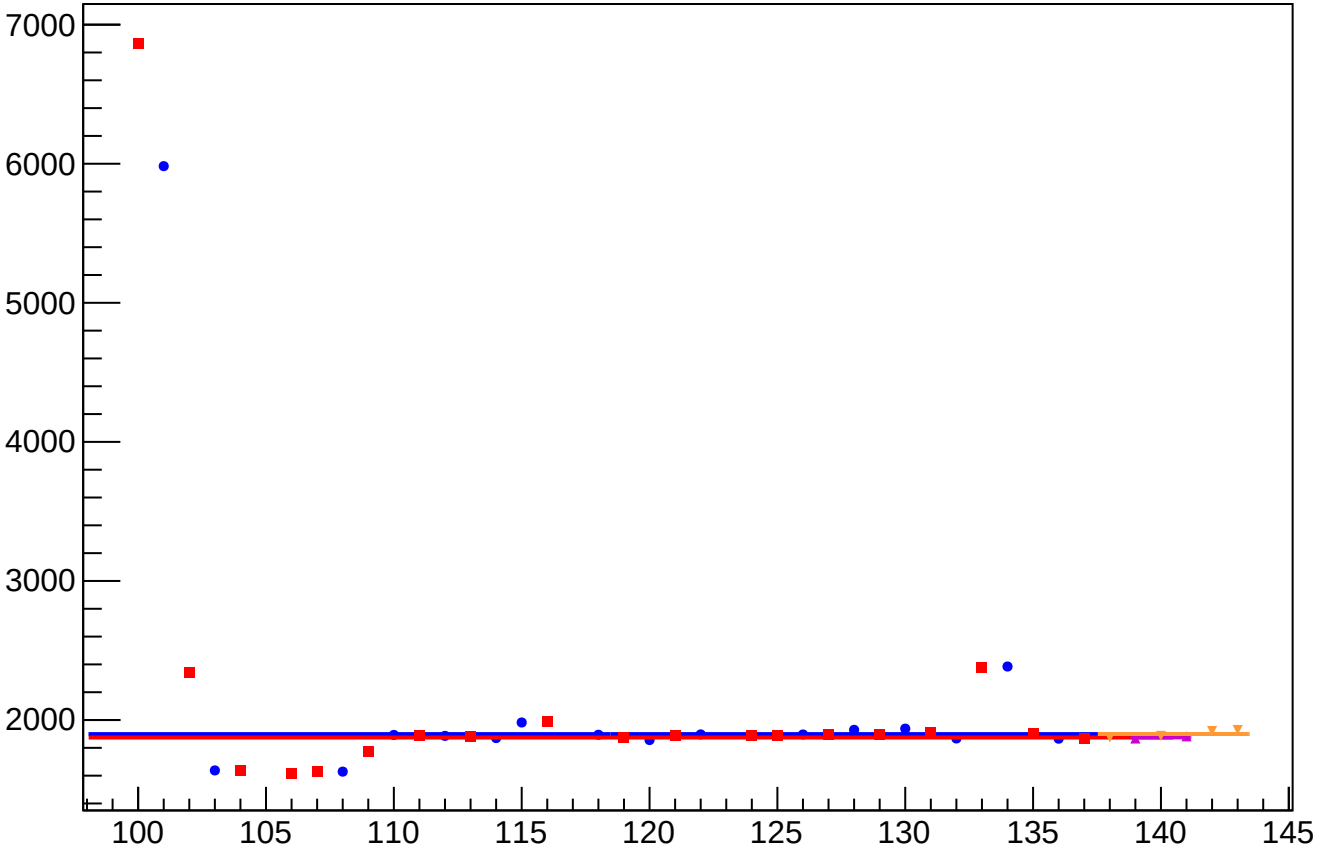
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -1155.700+/-644.863 χ^2/NDF:14.7/17

Out: 343.997+/-595.087 χ^2/NDF:13.3/22

All: -345.746+/-437.330 χ^2/NDF: 30.9/40

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

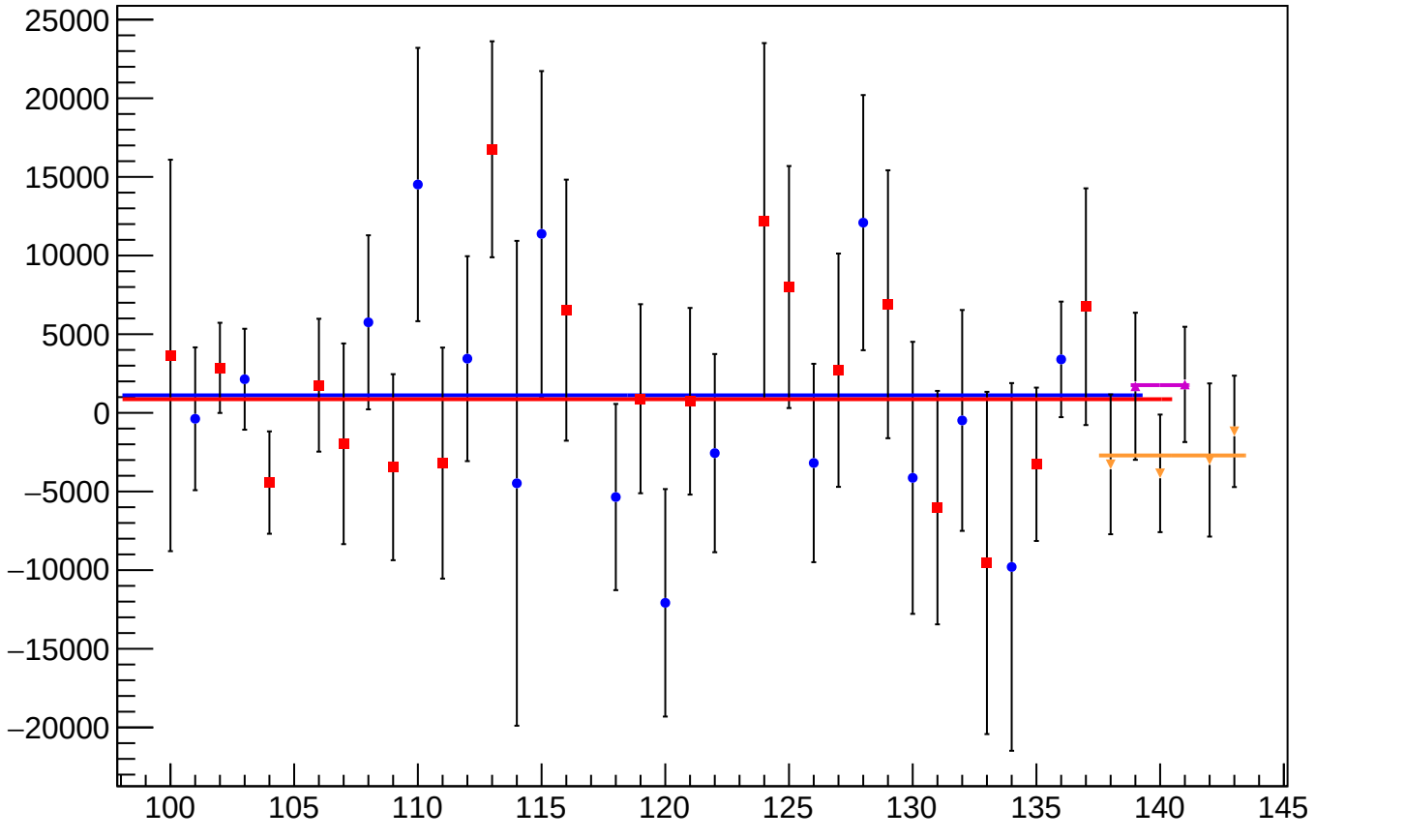
Left: 1890.284+/-0.622 χ^2/NDF: 1258.9/5

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1894.009+/-0.456 χ^2/NDF:698009.0/17

Out: 1881.362+/-0.420 χ^2/NDF:209230.9/22

All: 1887.163+/-0.309 χ^2/NDF: 907656.2/40



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2709.215+/-2023.777 χ^2/NDF:0.3/3

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: 1761.924+/-2884.461 χ^2/NDF:0.0/1

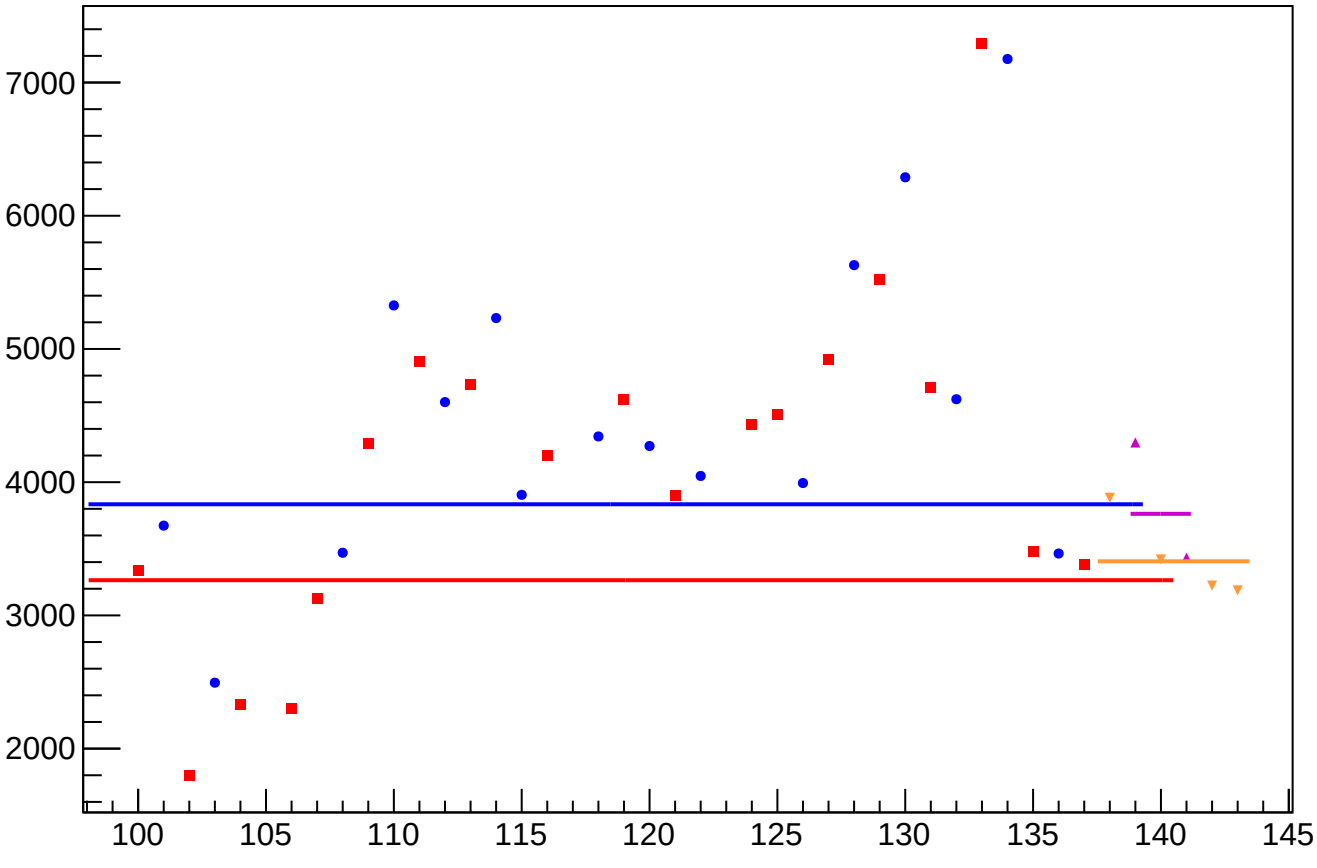
Left: -1234.293+/-1656.686 χ^2/NDF: 1.9/5

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 1247.895+/-1316.266 χ^2/NDF:13.4/17

Out: -185.846+/-1098.069 χ^2/NDF:18.1/22

All: 402.499+/-843.188 χ^2/NDF: 32.2/40



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3405.946+/-1.431 χ^2/NDF:33444.2/3

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3762.431+/-2.040 χ^2/NDF:42340.5/1

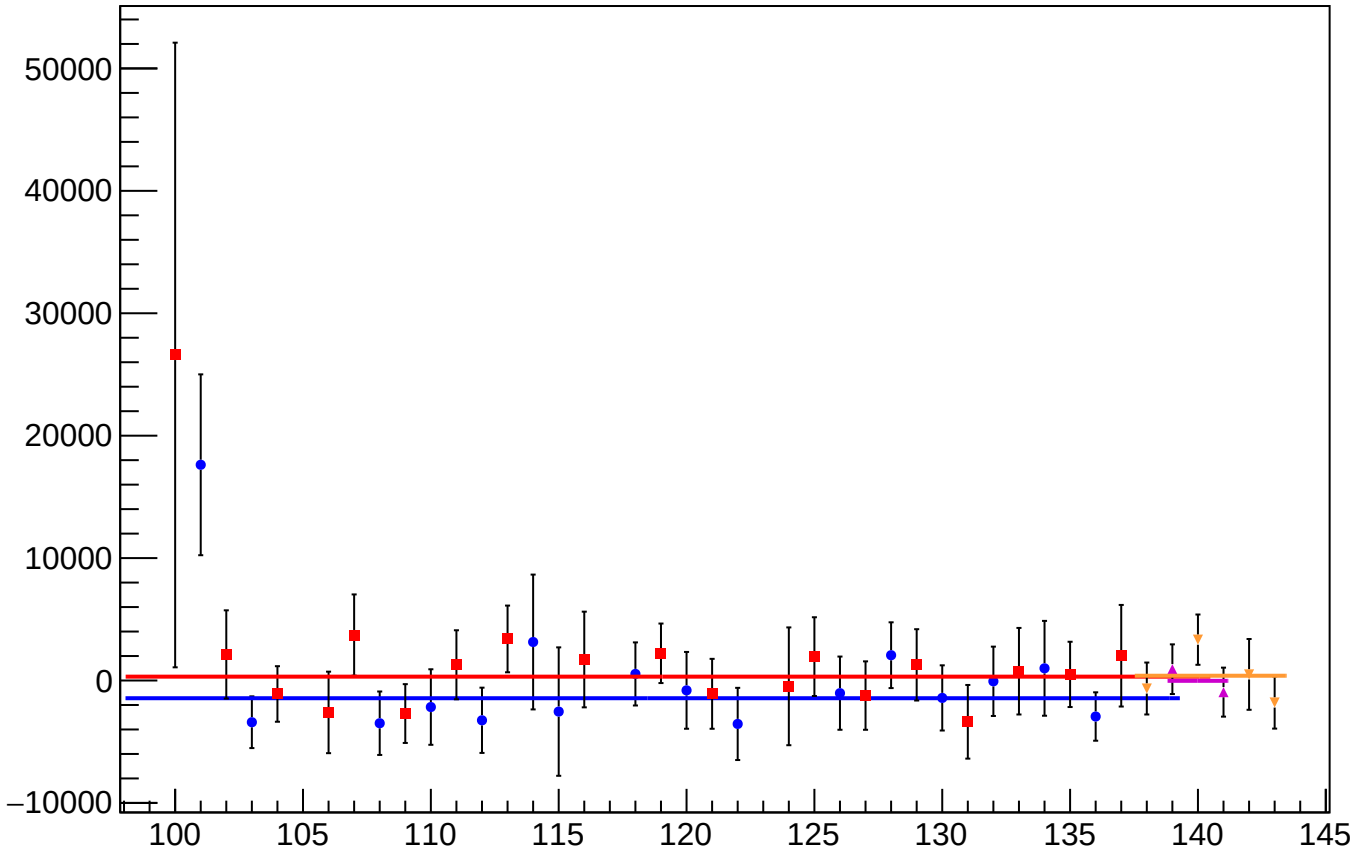
Left: 3523.542+/-1.171 χ^2/NDF: 96255.7/5

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3819.226+/-0.931 χ^2/NDF:1000095.5/17

Out: 3305.866+/-0.776 χ^2/NDF:1904617.2/22

All: 3516.527+/-0.596 χ^2/NDF: 3084093.6/40



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 390.120+/-1119.176 χ^2/NDF:3.4/3

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: 231.327+/-880.179 χ^2/NDF: 3.8/5

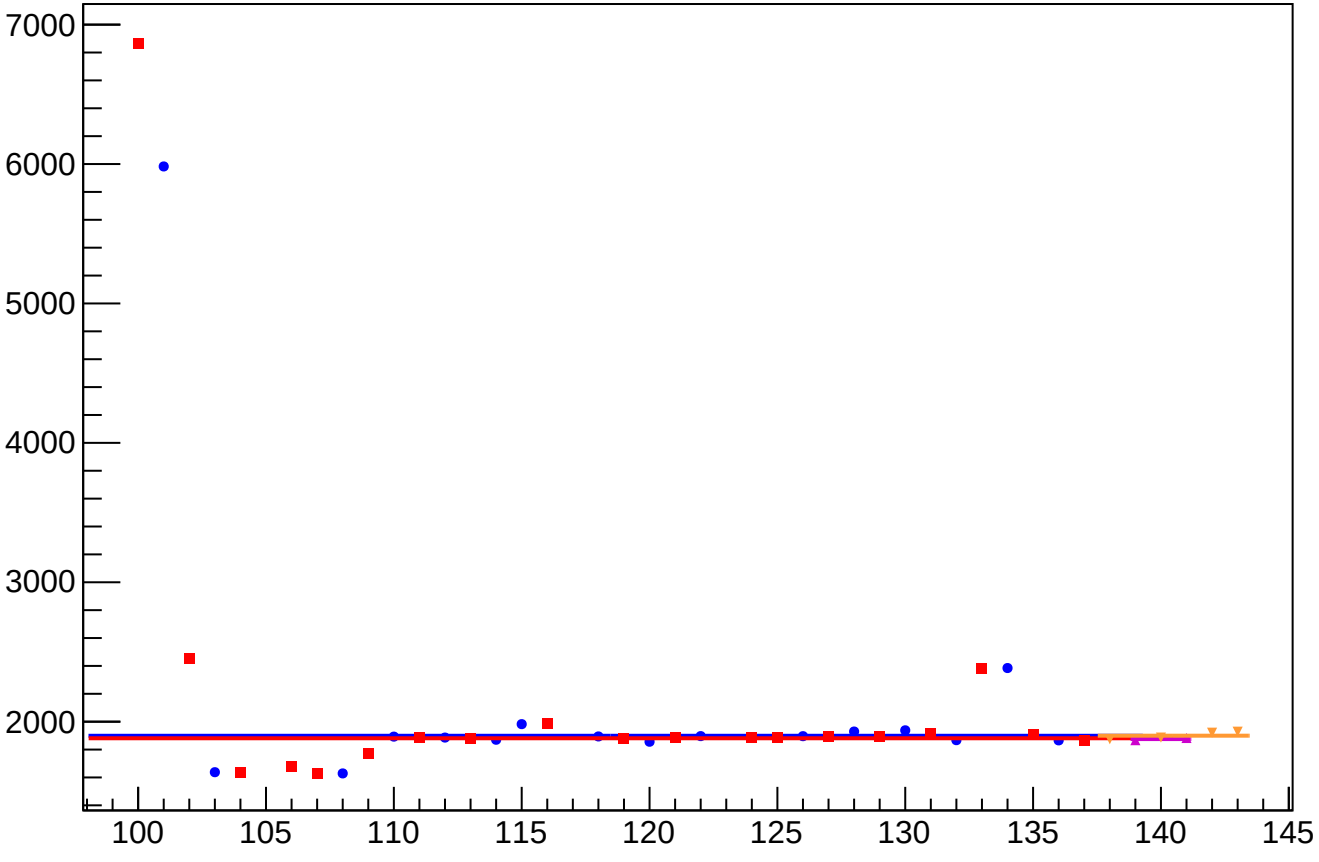
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1155.985+/-644.863 χ^2/NDF:14.7/17

Out: 336.611+/-595.663 χ^2/NDF:13.2/22

All: -350.583+/-437.558 χ^2/NDF: 30.8/40

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1875.303+/-1.008 χ^2/NDF:61.4/1

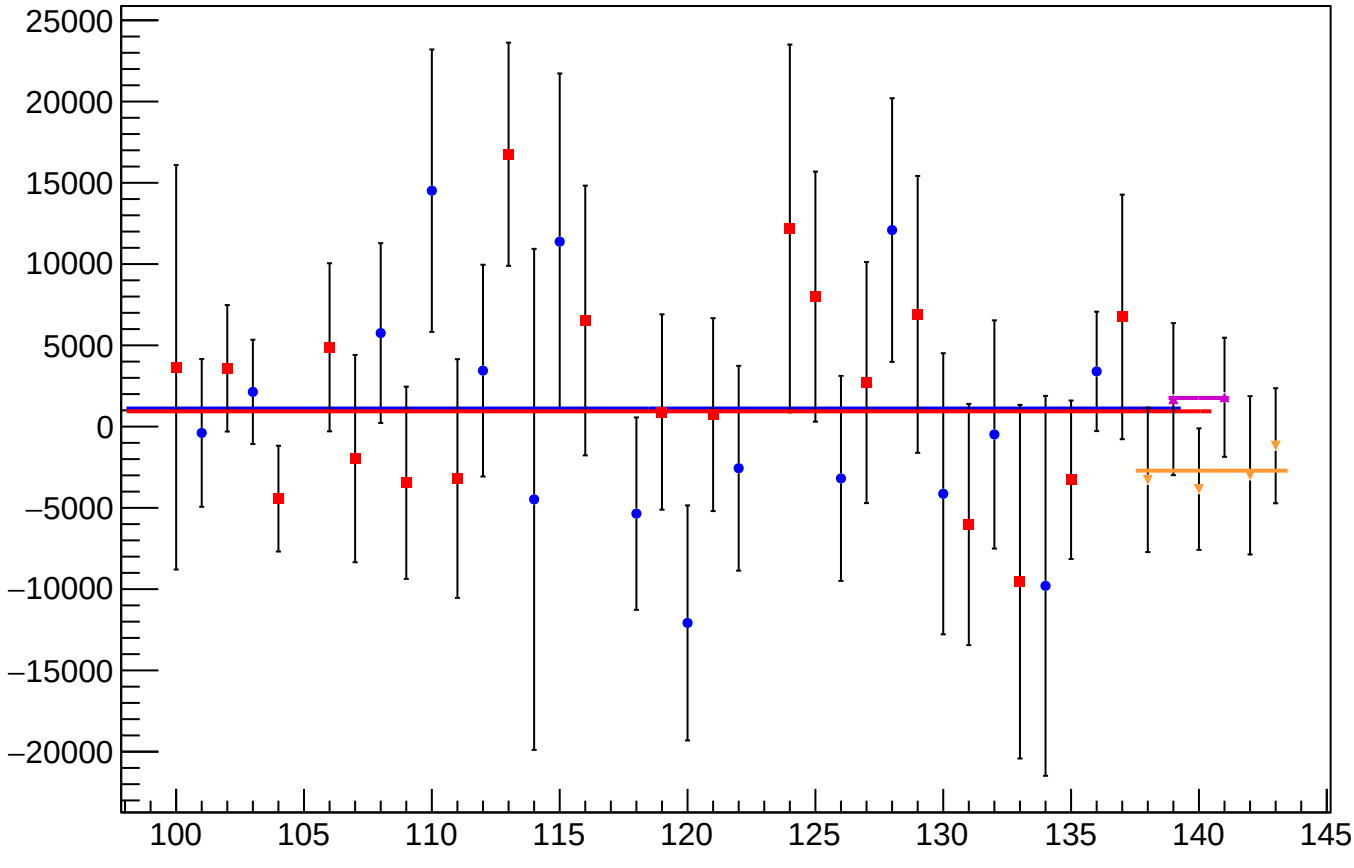
Left: 1890.284+/-0.622 χ^2/NDF: 1258.9/5

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1894.009+/-0.456 χ^2/NDF:698009.1/17

Out: 1886.241+/-0.421 χ^2/NDF:217797.3/22

All: 1889.813+/-0.309 χ^2/NDF: 915963.2/40



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2708.869+/-2023.770 χ^2/NDF:0.3/3

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1761.616+/-2884.452 χ^2/NDF:0.0/1

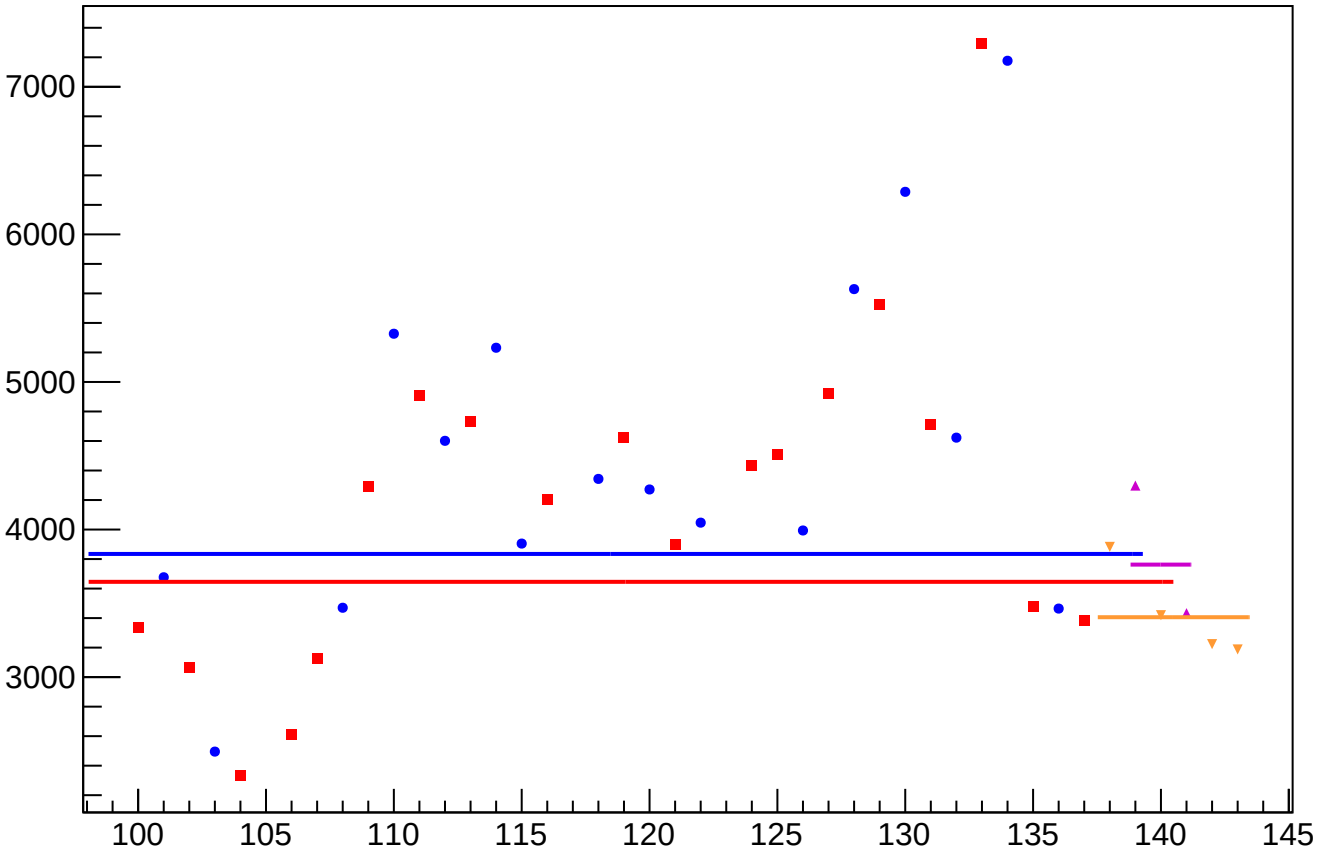
Left: -1234.163+/-1656.681 χ^2/NDF: 1.9/5

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1246.930+/-1316.387 χ^2/NDF:13.4/17

Out: -239.379+/-1150.794 χ^2/NDF:18.7/22

All: 404.464+/-866.401 χ^2/NDF: 32.8/40



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3405.935+/-1.431 χ^2/NDF:33446.3/3

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: 3523.531+/-1.171 χ^2/NDF: 96257.0/5

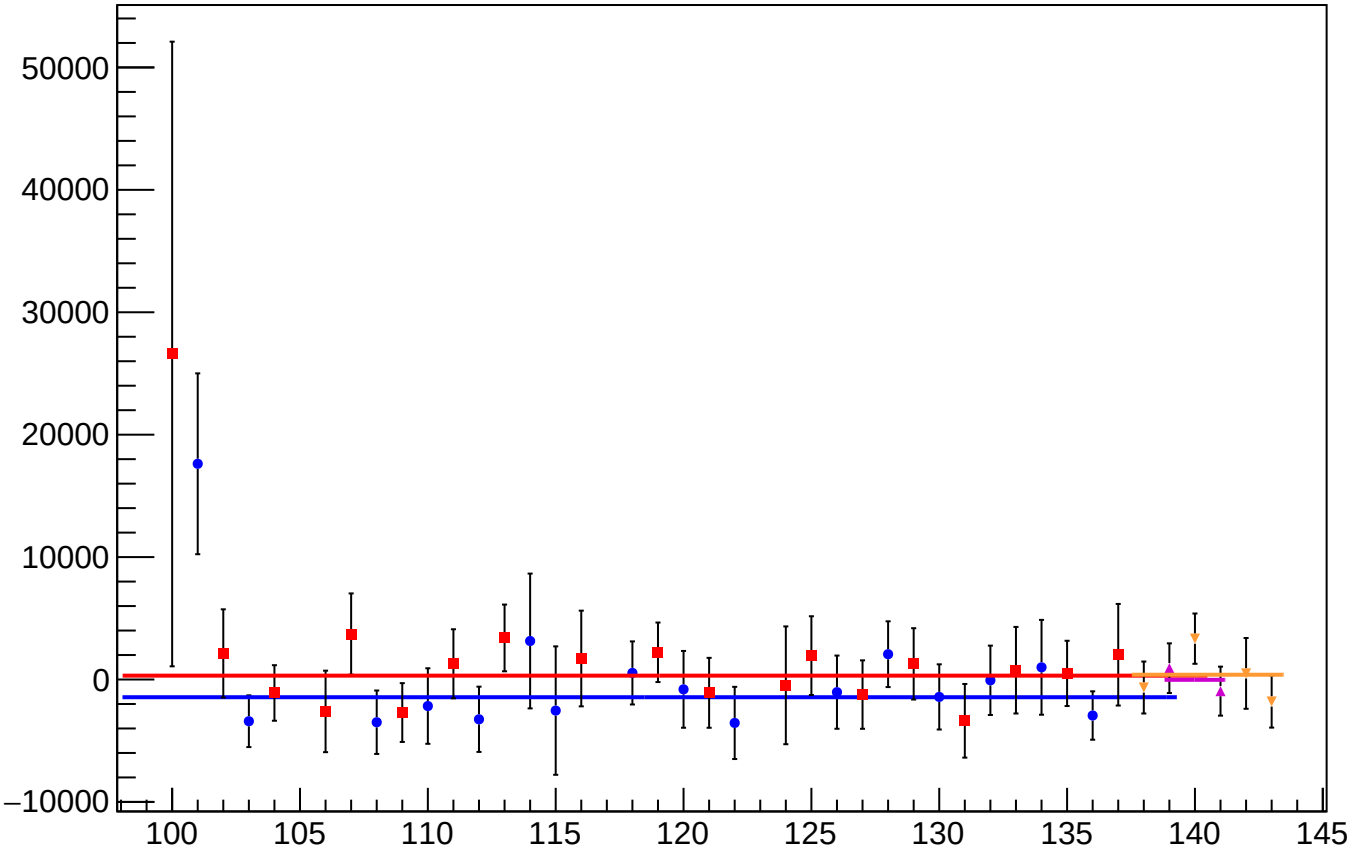
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3819.638+/-0.931 χ^2/NDF:999645.8/17

Out: 3568.165+/-0.814 χ^2/NDF:1177421.1/22

All: 3677.099+/-0.613 χ^2/NDF: 2218437.2/40

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 390.120+/-1119.176 χ^2/NDF:3.4/3

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: 231.327+/-880.179 χ^2/NDF: 3.8/5

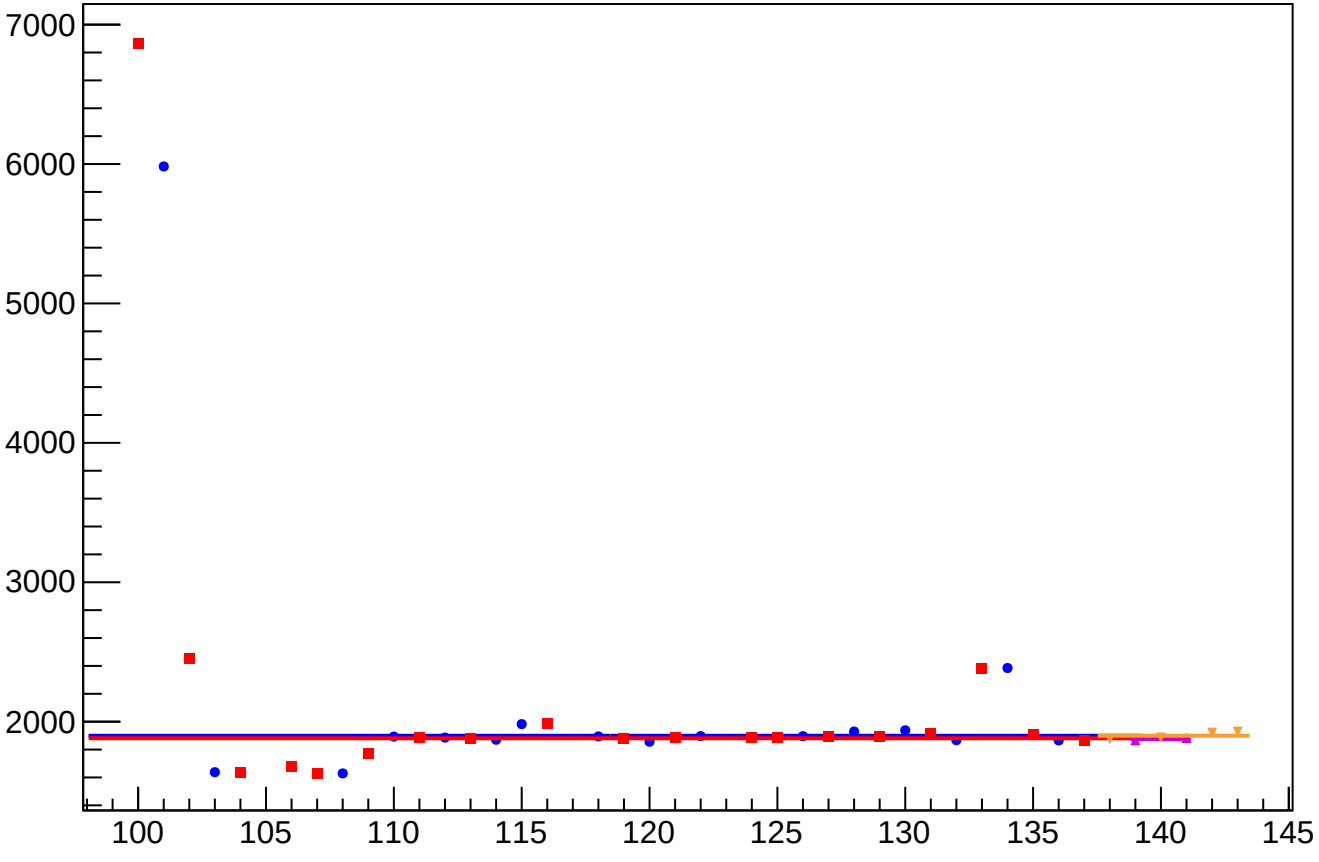
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -1155.985+/-644.863 χ^2/NDF:14.7/17

Out: 336.611+/-595.663 χ^2/NDF:13.2/22

All: -350.583+/-437.558 χ^2/NDF: 30.8/40

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1899.525+/-0.791 χ^2/NDF:840.2/3

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: 1890.284+/-0.622 χ^2/NDF: 1258.9/5

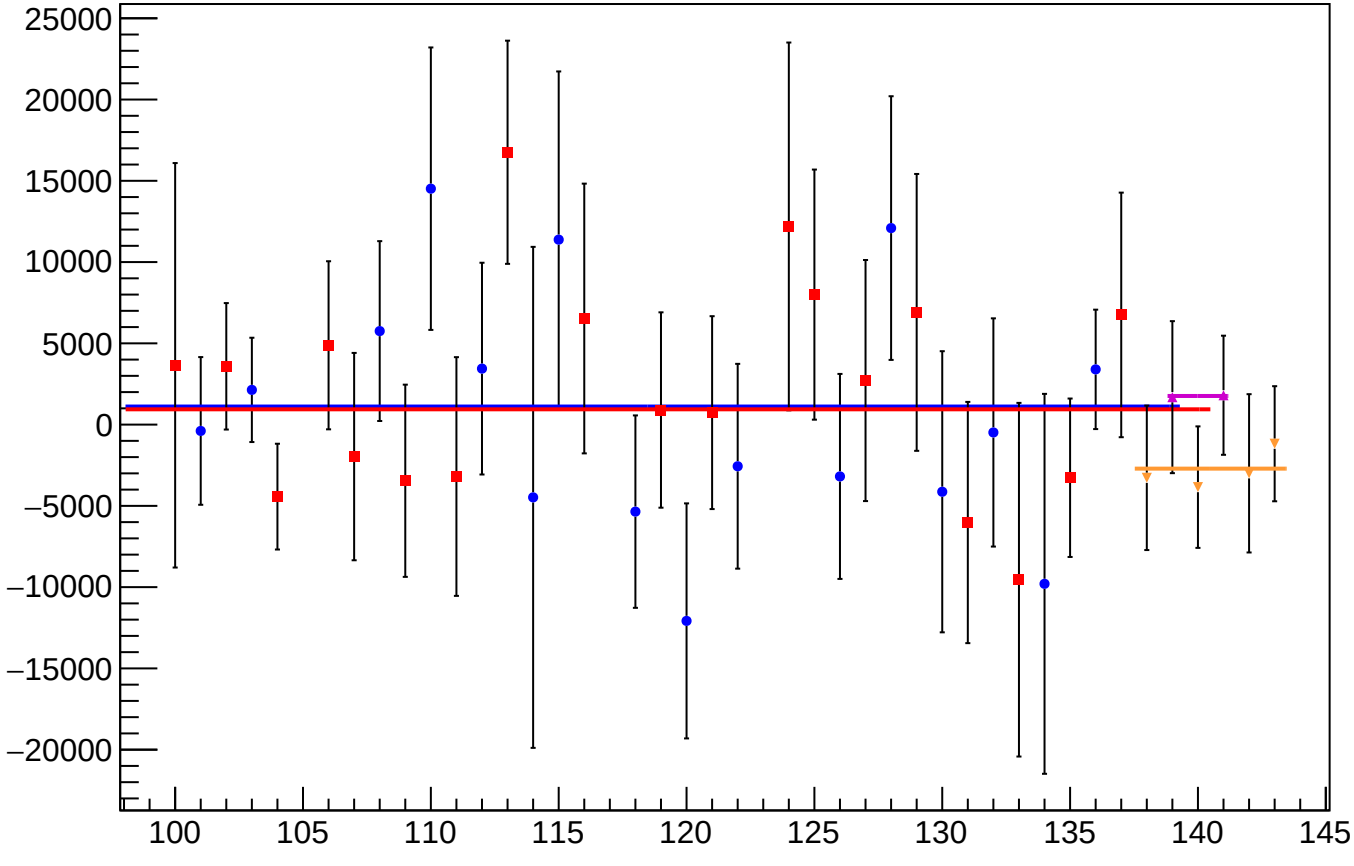
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1894.009+/-0.456 χ^2/NDF:698009.1/17

Out: 1886.241+/-0.421 χ^2/NDF:217797.3/22

All: 1889.813+/-0.309 χ^2/NDF: 915963.2/40

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: -2708.869+/-2023.770 χ^2/NDF:0.3/3

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 1761.616+/-2884.452 χ^2/NDF:0.0/1

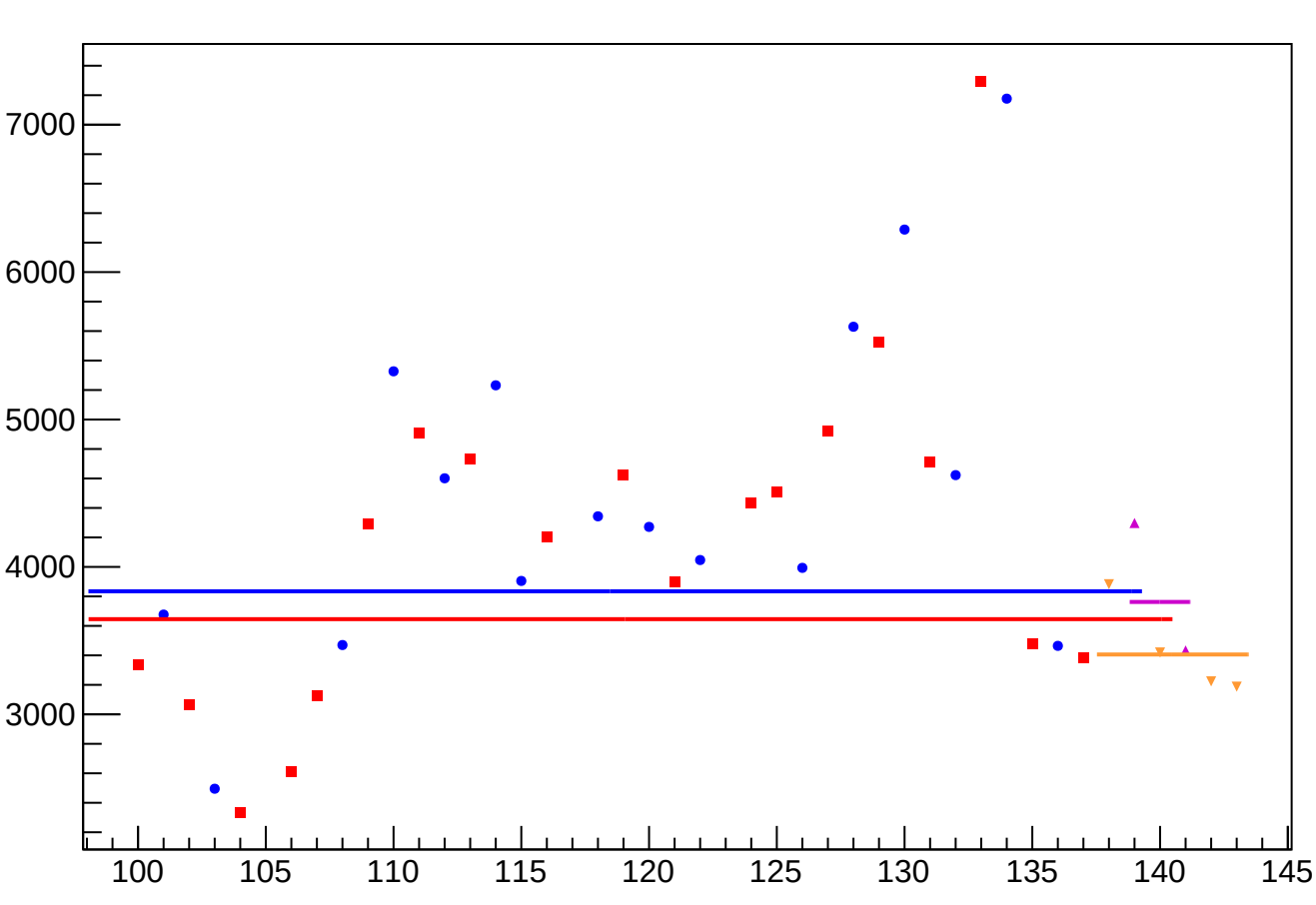
Left: -1234.163+/-1656.681 χ^2/NDF: 1.9/5

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 1246.930+/-1316.387 χ^2/NDF:13.4/17

Out: -239.379+/-1150.794 χ^2/NDF:18.7/22

All: 404.464+/-866.401 χ^2/NDF: 32.8/40



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3405.935+/-1.431 χ^2/NDF:33446.3/3

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: 3523.531+/-1.171 χ^2/NDF: 96257.0/5

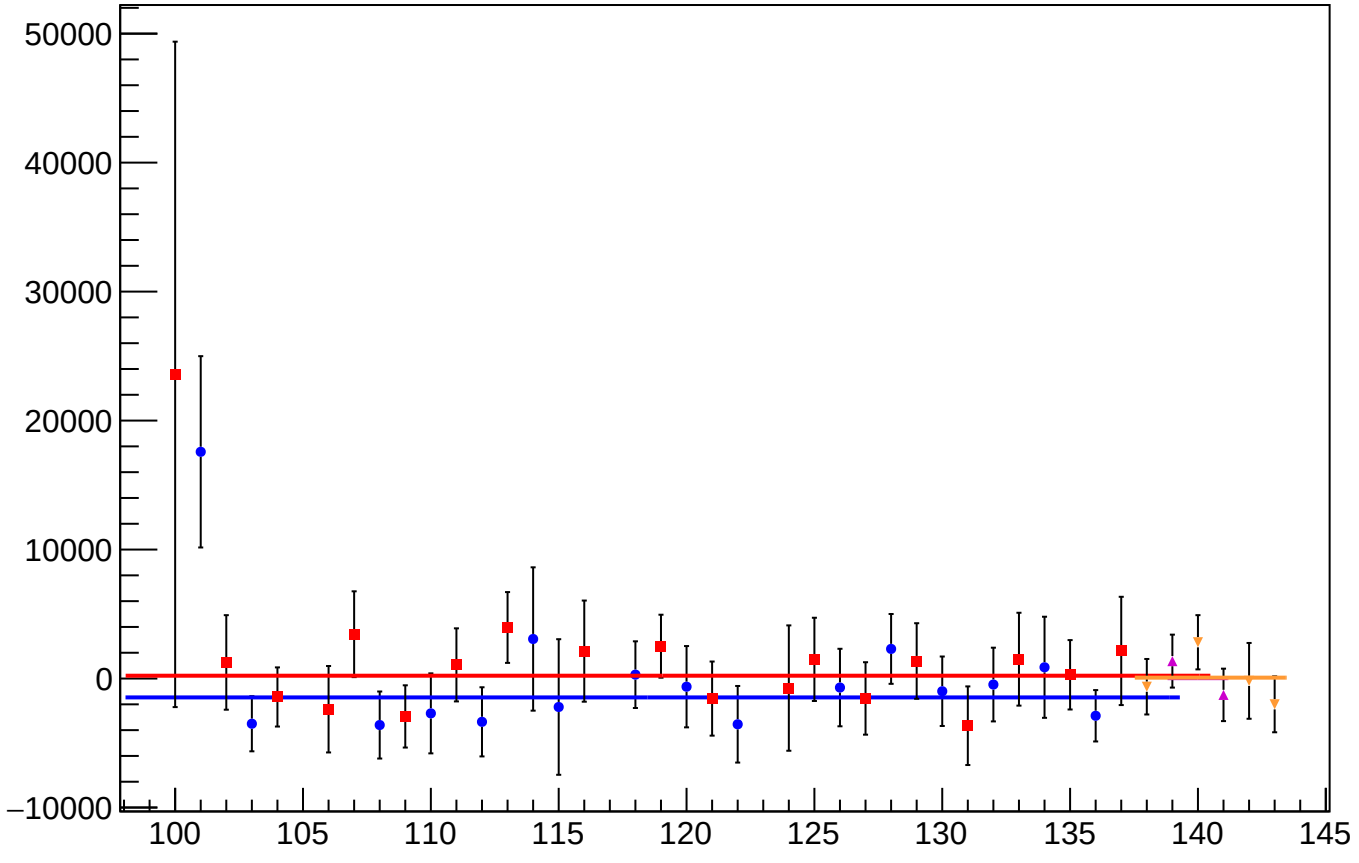
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3819.638+/-0.931 χ^2/NDF:999645.8/17

Out: 3568.165+/-0.814 χ^2/NDF:1177421.1/22

All: 3677.099+/-0.613 χ^2/NDF: 2218437.2/40

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 69.315+/-1138.949 χ^2/NDF:2.7/3

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: 54.090+/-894.397 χ^2/NDF: 3.5/5

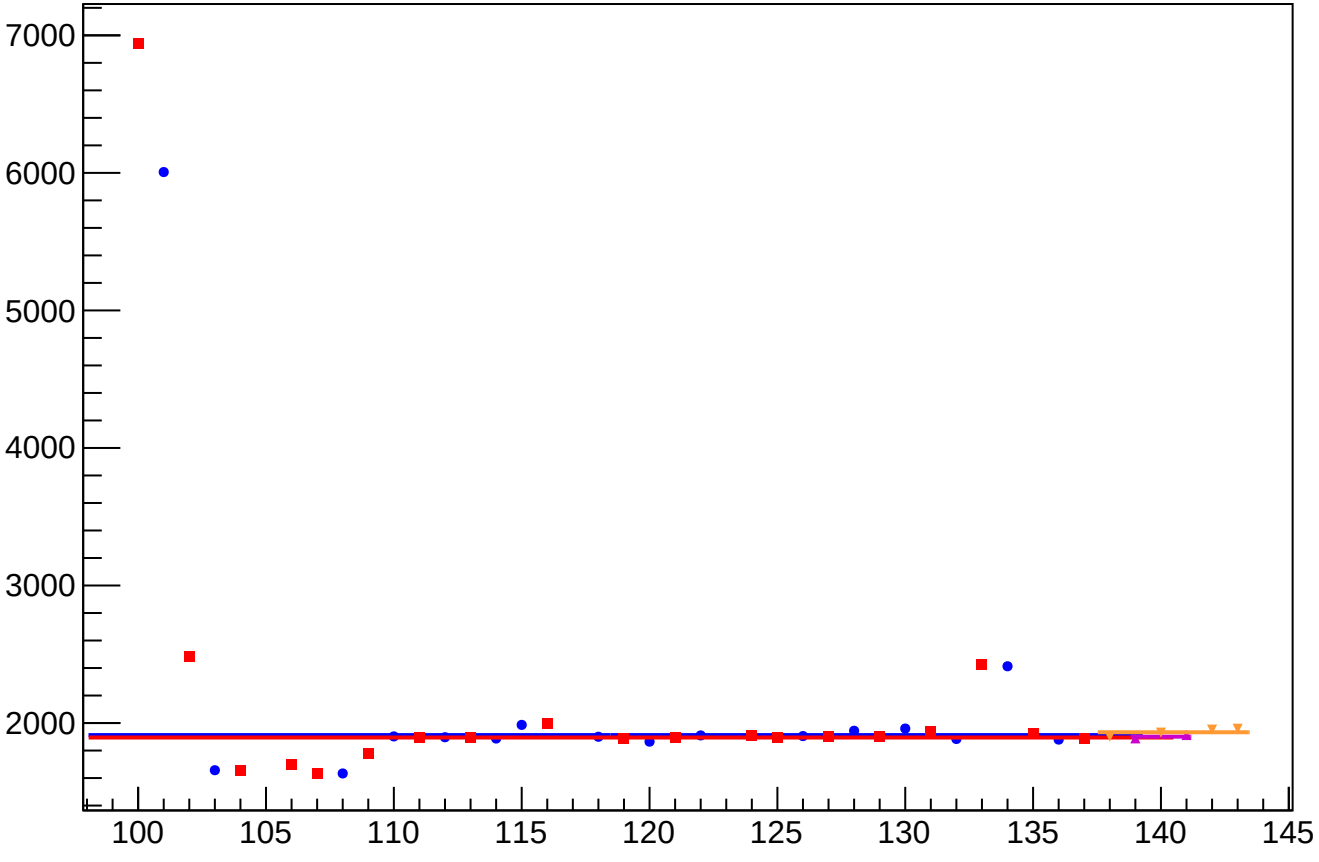
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -1160.234+/-650.307 χ^2/NDF:15.2/17

Out: 177.731+/-601.814 χ^2/NDF:13.5/22

All: -439.512+/-441.697 χ^2/NDF: 31.1/40

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1933.006+/-0.805 χ^2/NDF:819.6/3

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1900.960+/-1.021 χ^2/NDF:140.9/1

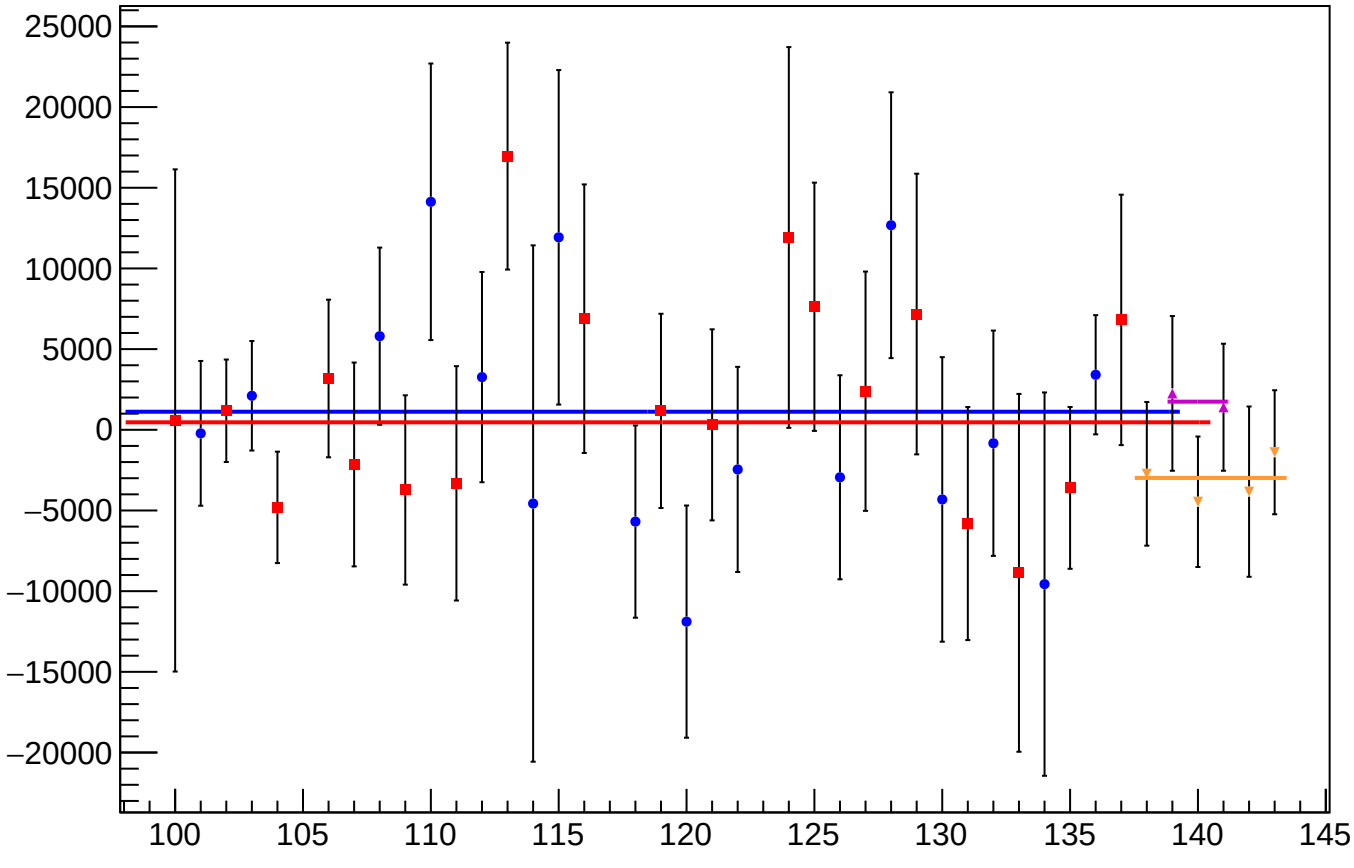
Left: 1920.722+/-0.632 χ^2/NDF: 1567.4/5

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1910.064+/-0.460 χ^2/NDF:696460.7/17

Out: 1905.426+/-0.425 χ^2/NDF:222227.2/22

All: 1907.564+/-0.312 χ^2/NDF: 918742.8/40



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2983.883+/-2155.319 χ^2/NDF:0.3/3

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 1743.623+/-3041.882 χ^2/NDF:0.0/1

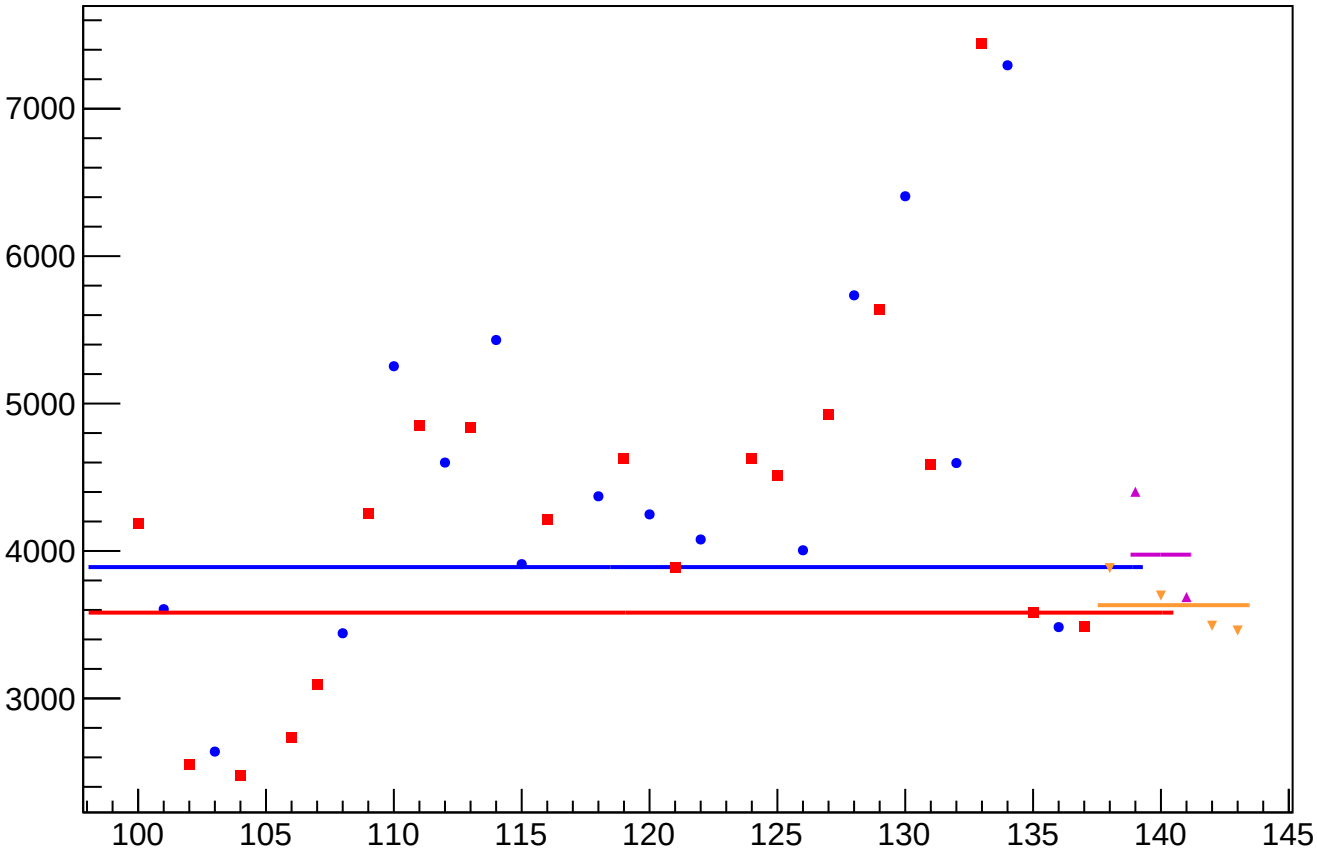
Left: -1403.767+/-1758.615 χ^2/NDF: 2.0/5

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 1241.815+/-1343.644 χ^2/NDF:13.5/17

Out: -528.767+/-1156.688 χ^2/NDF:17.2/22

All: 224.870+/-876.611 χ^2/NDF: 31.7/40



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3632.464+/-1.524 χ^2/NDF:12278.8/3

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: 3746.944+/-1.244 χ^2/NDF: 55693.0/5

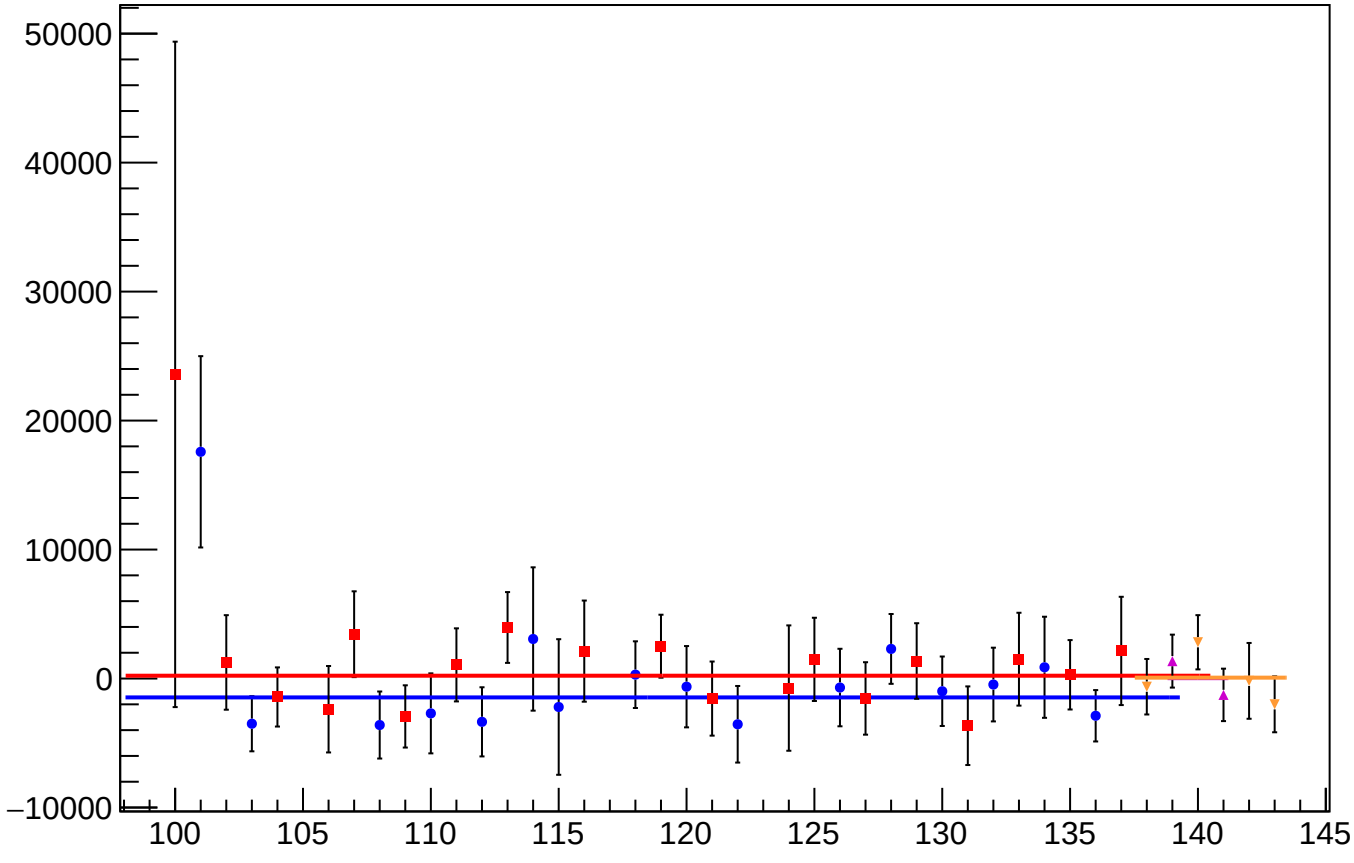
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3907.149+/-0.950 χ^2/NDF:906186.1/17

Out: 3596.378+/-0.818 χ^2/NDF:1234921.5/22

All: 3728.656+/-0.620 χ^2/NDF: 2202558.3/40

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 69.316+/-1138.950 χ^2/NDF:2.7/3

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: 54.097+/-894.397 χ^2/NDF: 3.5/5

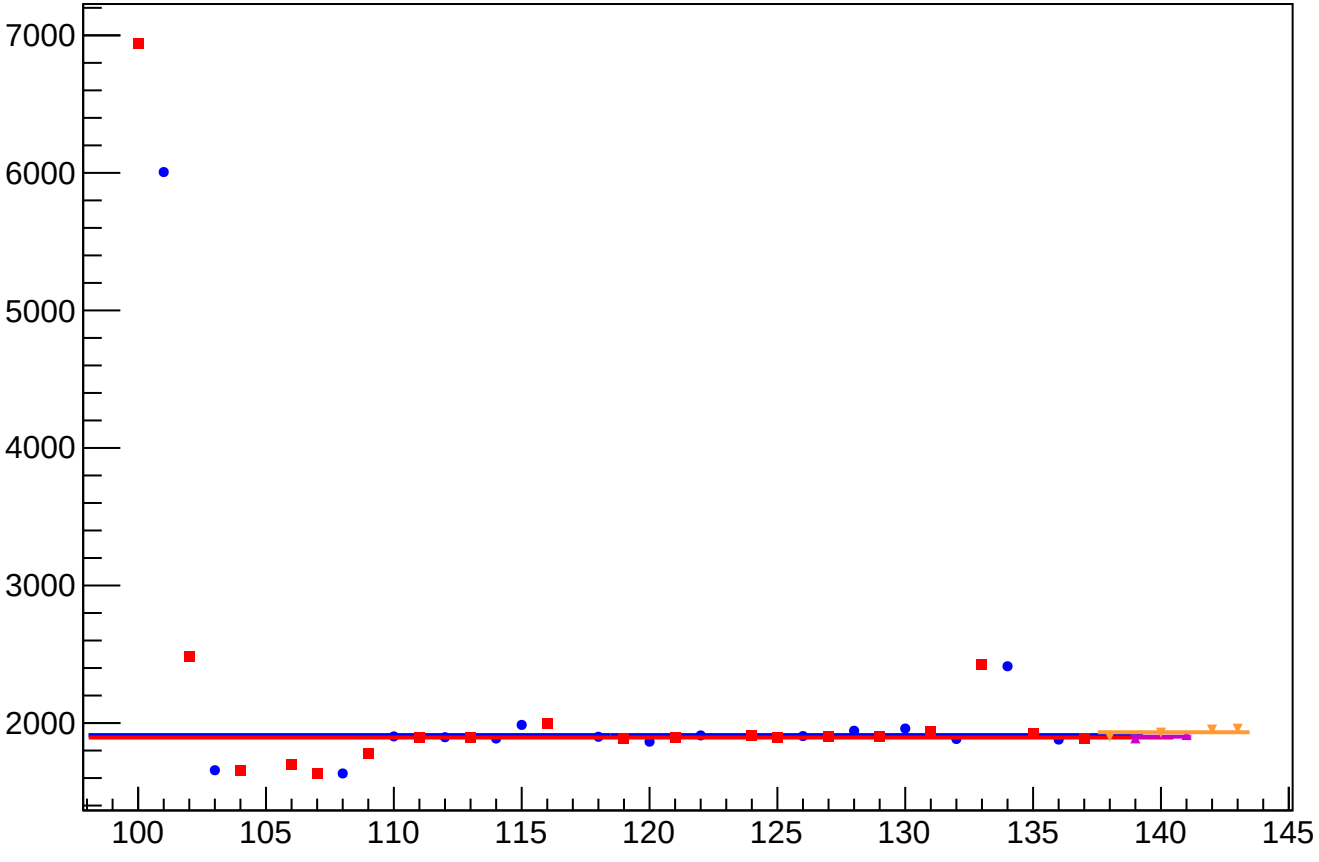
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -1160.235+/-650.307 χ^2/NDF:15.2/17

Out: 177.727+/-601.814 χ^2/NDF:13.5/22

All: -439.514+/-441.697 χ^2/NDF: 31.1/40

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1933.007+/-0.805 χ^2/NDF:819.7/3

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: 1920.722+/-0.632 χ^2/NDF: 1567.4/5

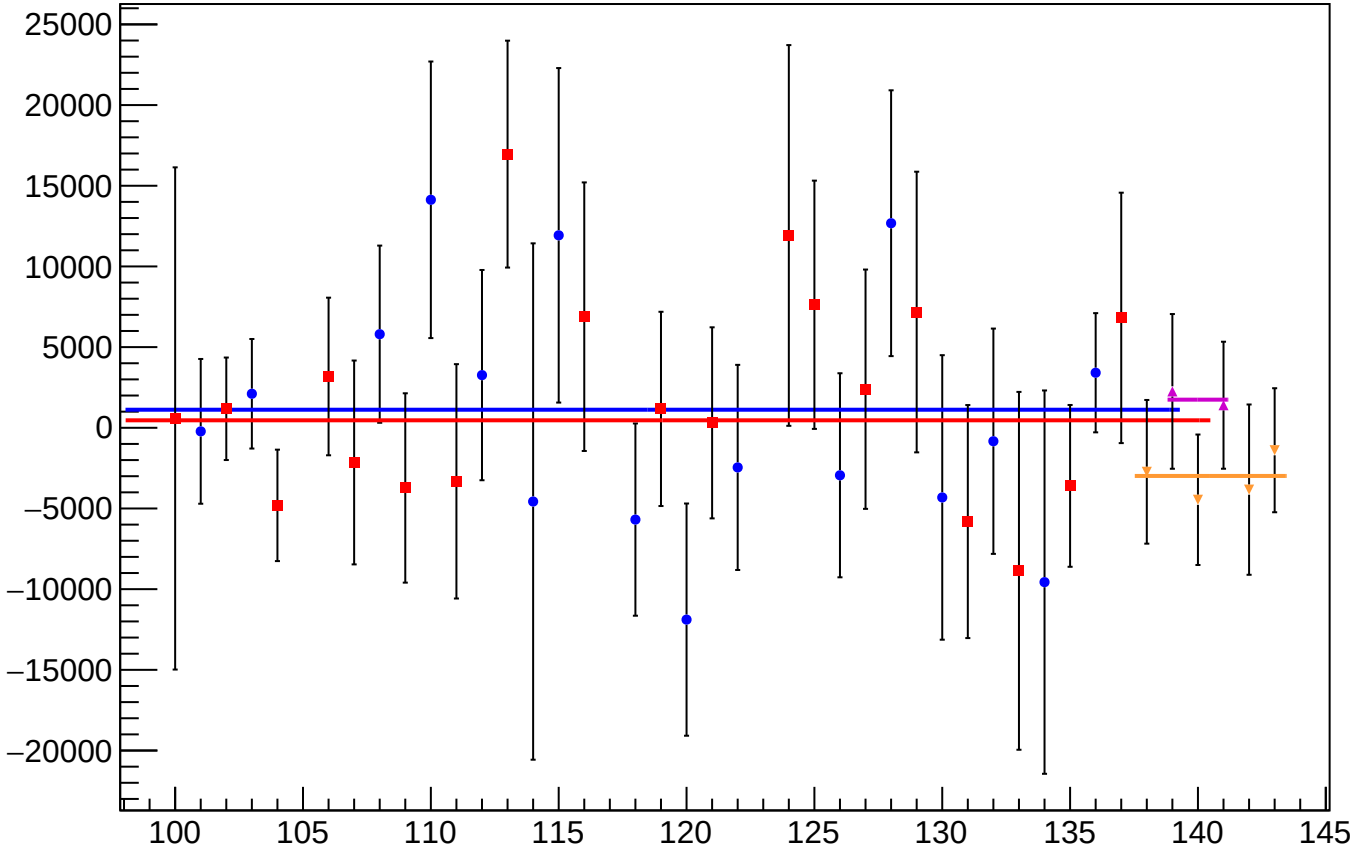
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1910.064+/-0.460 χ^2/NDF:696460.6/17

Out: 1905.426+/-0.425 χ^2/NDF:222227.3/22

All: 1907.564+/-0.312 χ^2/NDF: 918742.7/40

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: -2983.886+/-2155.322 χ^2/NDF:0.3/3

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: -1403.763+/-1758.617 χ^2/NDF: 2.0/5

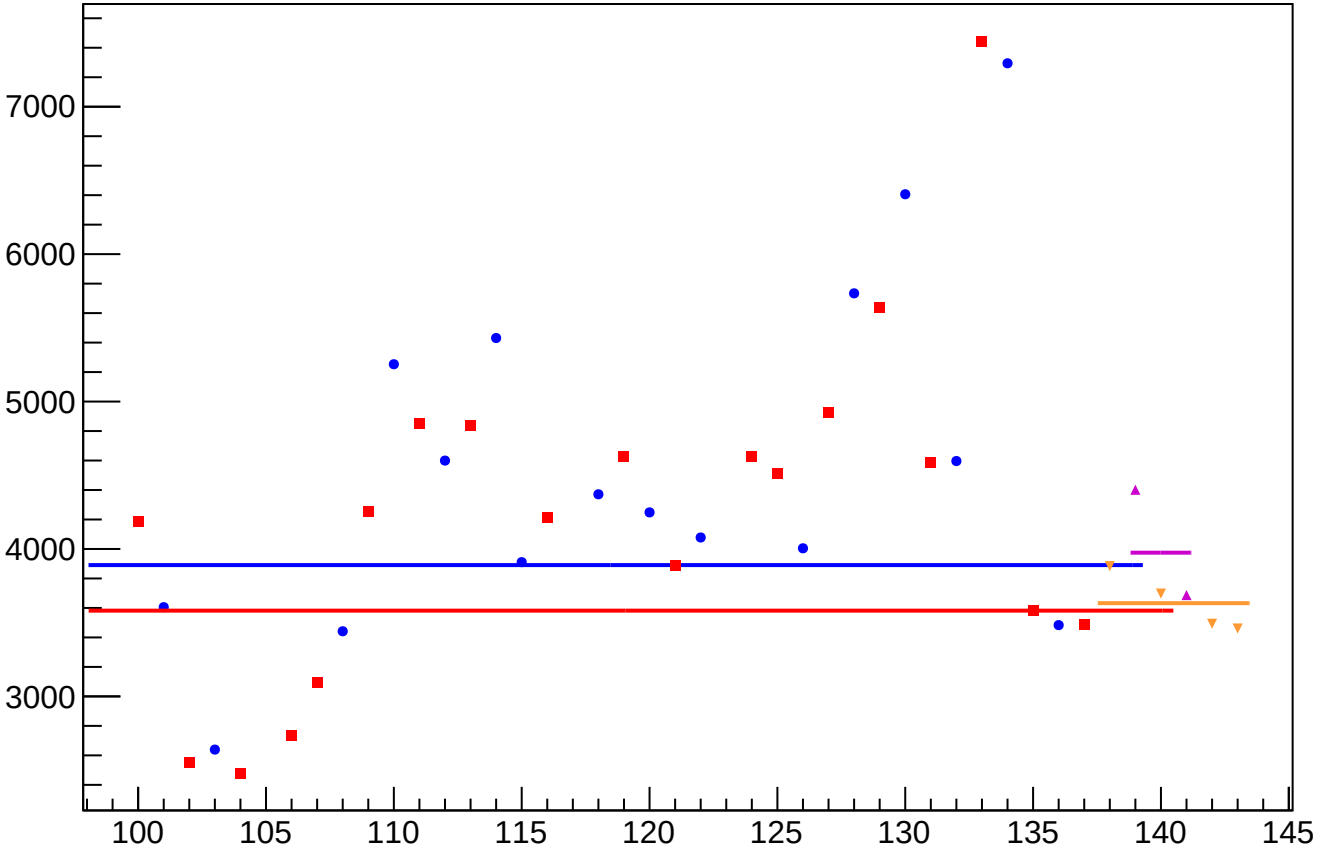
Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 1241.807+/-1343.643 χ^2/NDF:13.5/17

Out: -528.765+/-1156.688 χ^2/NDF:17.2/22

All: 224.868+/-876.611 χ^2/NDF: 31.7/40

asym_atr_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3632.468+/-1.524 χ^2/NDF:12278.8/3

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: 3746.948+/-1.244 χ^2/NDF: 55693.7/5

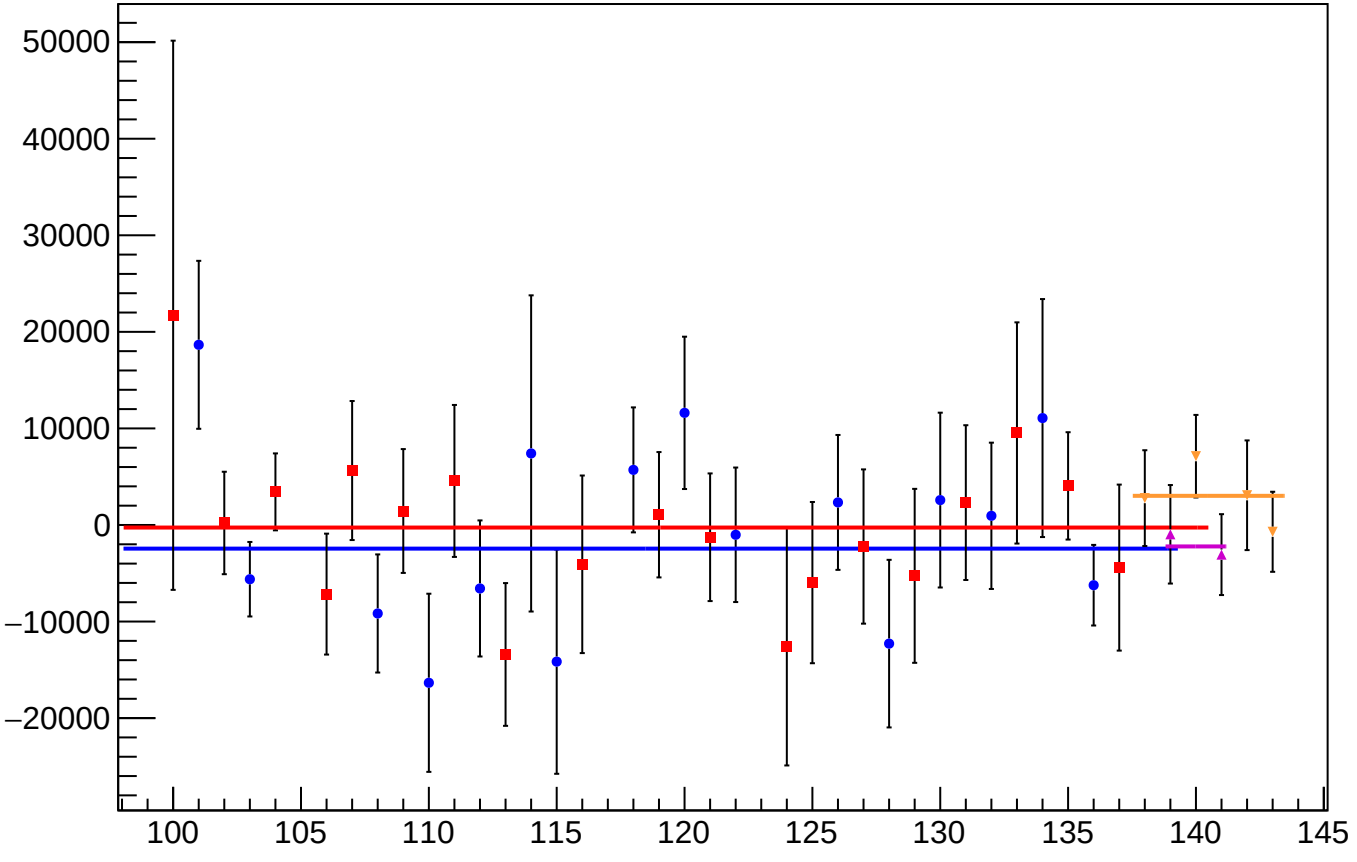
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3907.148+/-0.950 χ^2/NDF:906178.3/17

Out: 3596.377+/-0.818 χ^2/NDF:1234913.1/22

All: 3728.654+/-0.620 χ^2/NDF: 2202541.8/40

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3018.718+/-2327.768 χ^2/NDF:1.7/3

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: 1232.520+/-1889.833 χ^2/NDF: 3.6/5

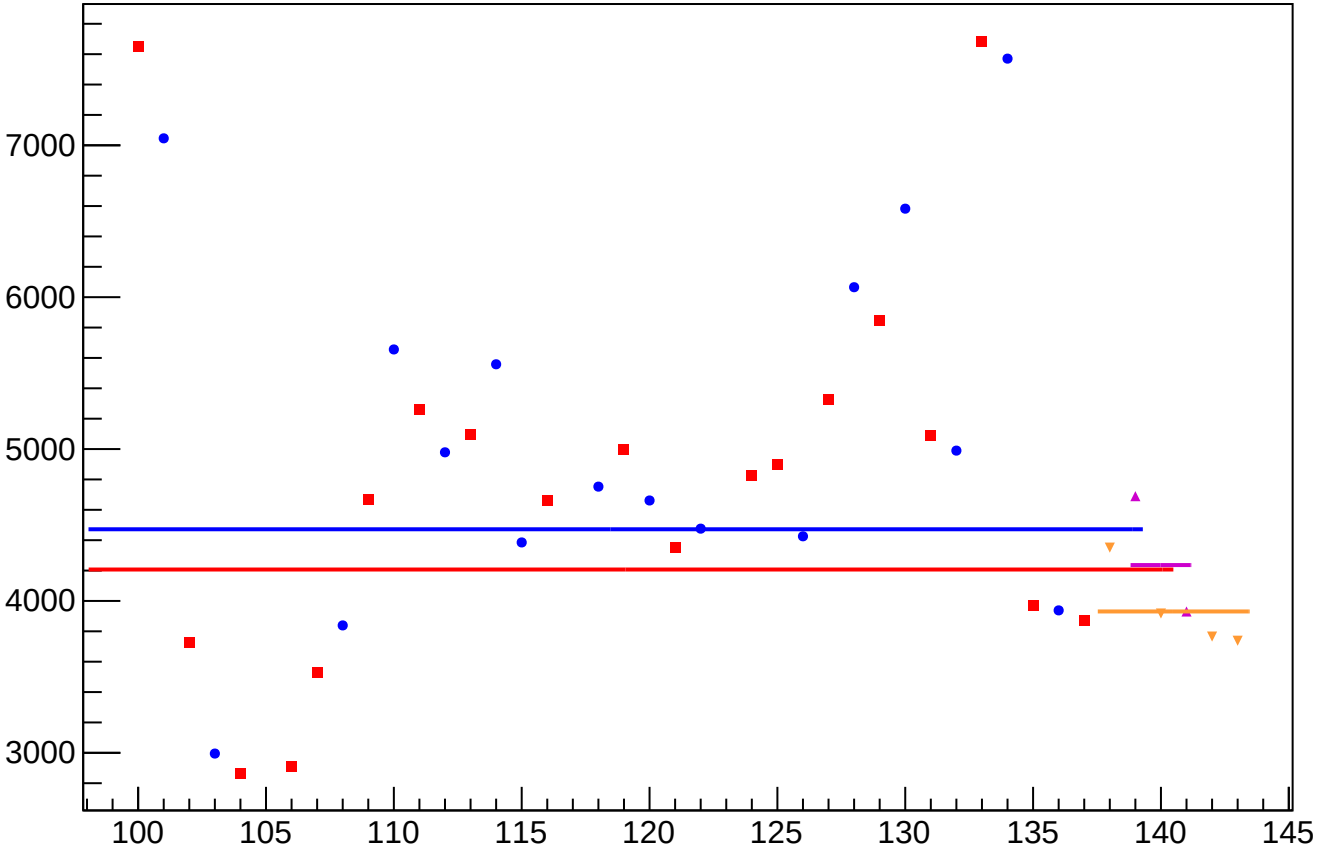
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -2398.303+/-1518.668 χ^2/NDF:21.0/17

Out: 808.174+/-1331.106 χ^2/NDF:13.8/22

All: -584.935+/-1001.017 χ^2/NDF: 37.3/40

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3930.752+/-1.646 χ^2/NDF:20398.4/3

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4236.270+/-2.289 χ^2/NDF:26470.1/1

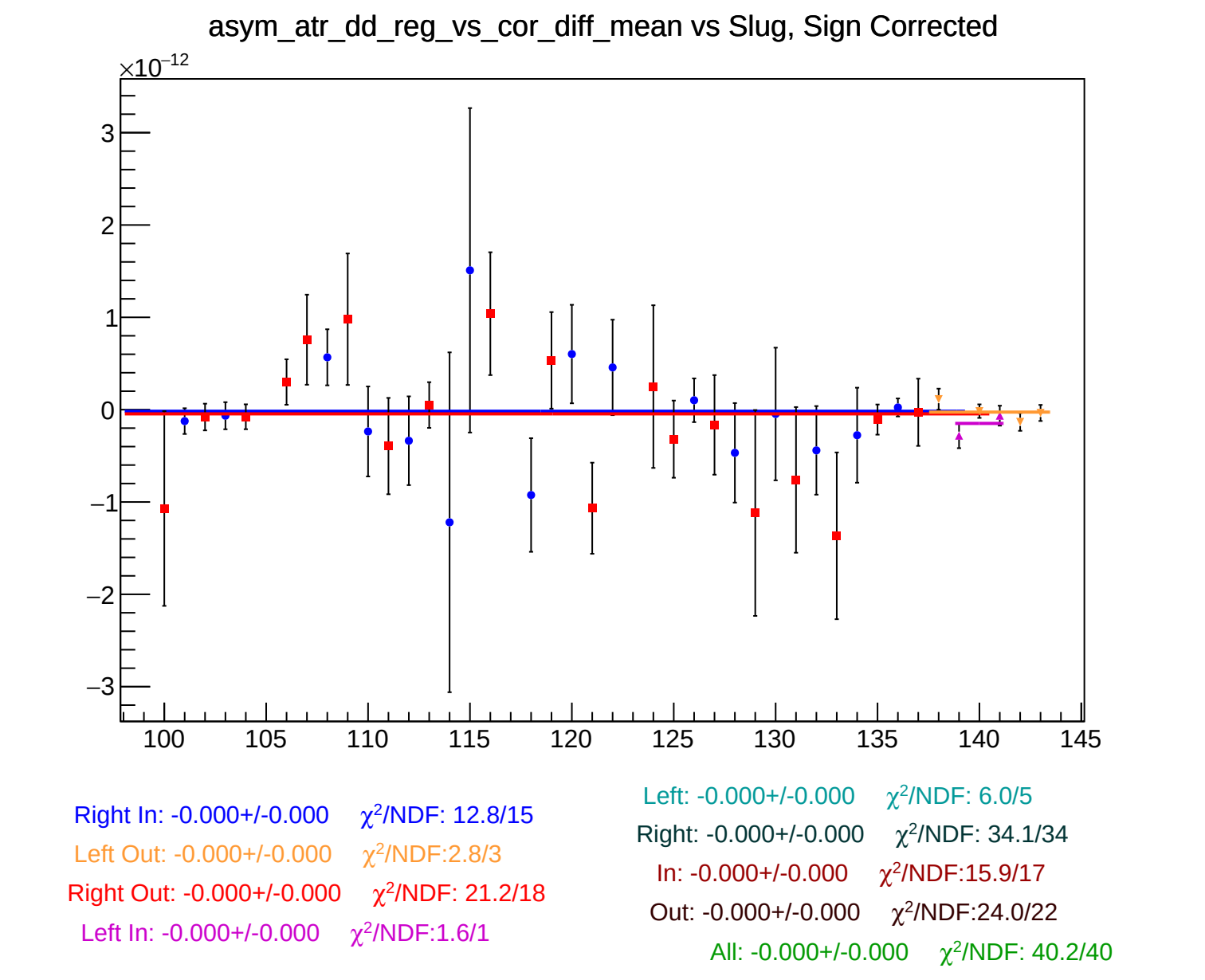
Left: 4034.896+/-1.336 χ^2/NDF: 58612.7/5

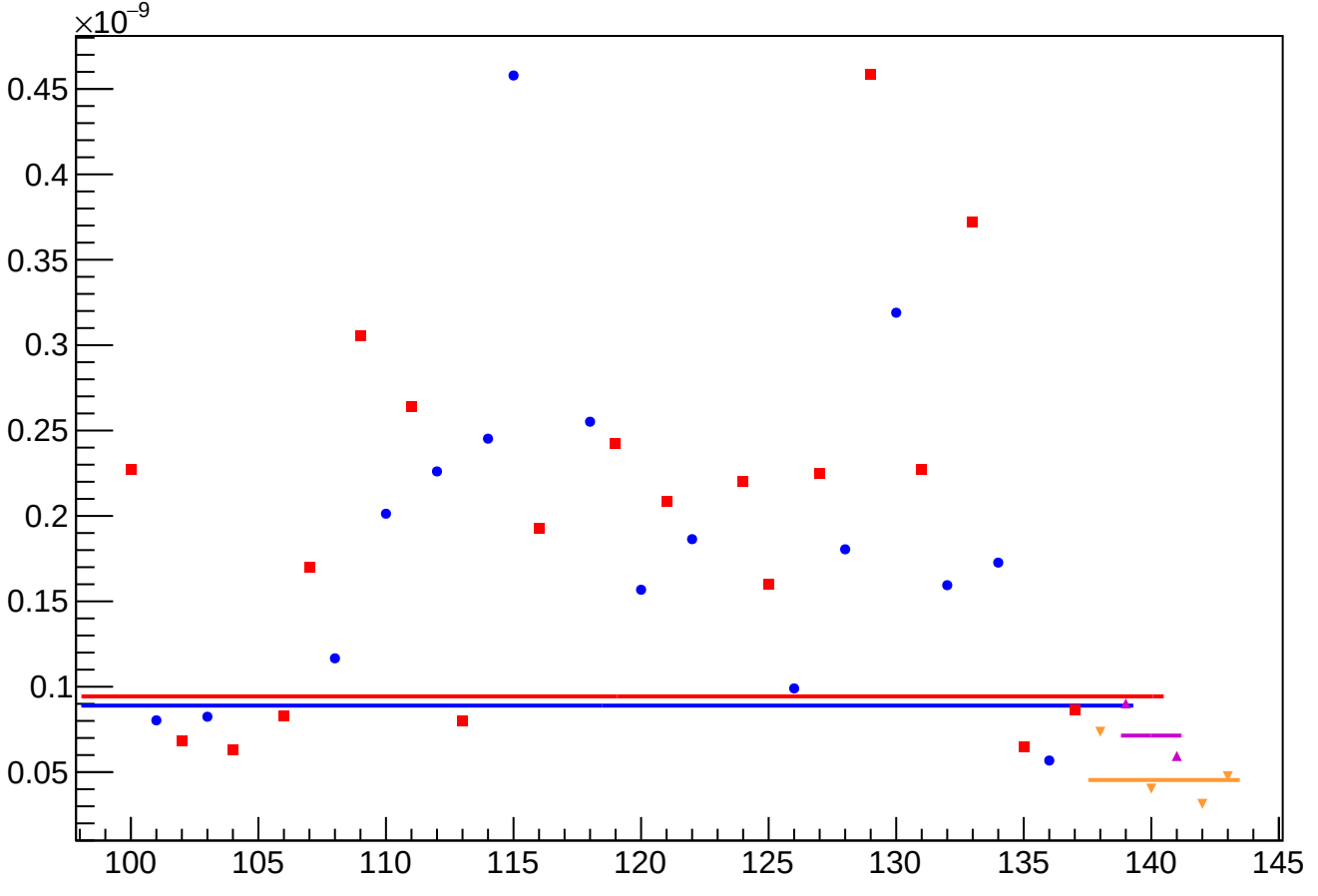
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4420.035+/-1.074 χ^2/NDF:926414.2/17

Out: 4117.598+/-0.936 χ^2/NDF:885968.8/22

All: 4248.176+/-0.706 χ^2/NDF: 1857455.5/40


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.8/3
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: -0.000+/-0.000 χ²/NDF:1.6/1
Left: -0.000+/-0.000 χ²/NDF: 6.0/5
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: -0.000+/-0.000 χ²/NDF:15.9/17
Out: -0.000+/-0.000 χ²/NDF:24.0/22
All: -0.000+/-0.000 χ²/NDF: 40.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:175277.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:63307.8/1

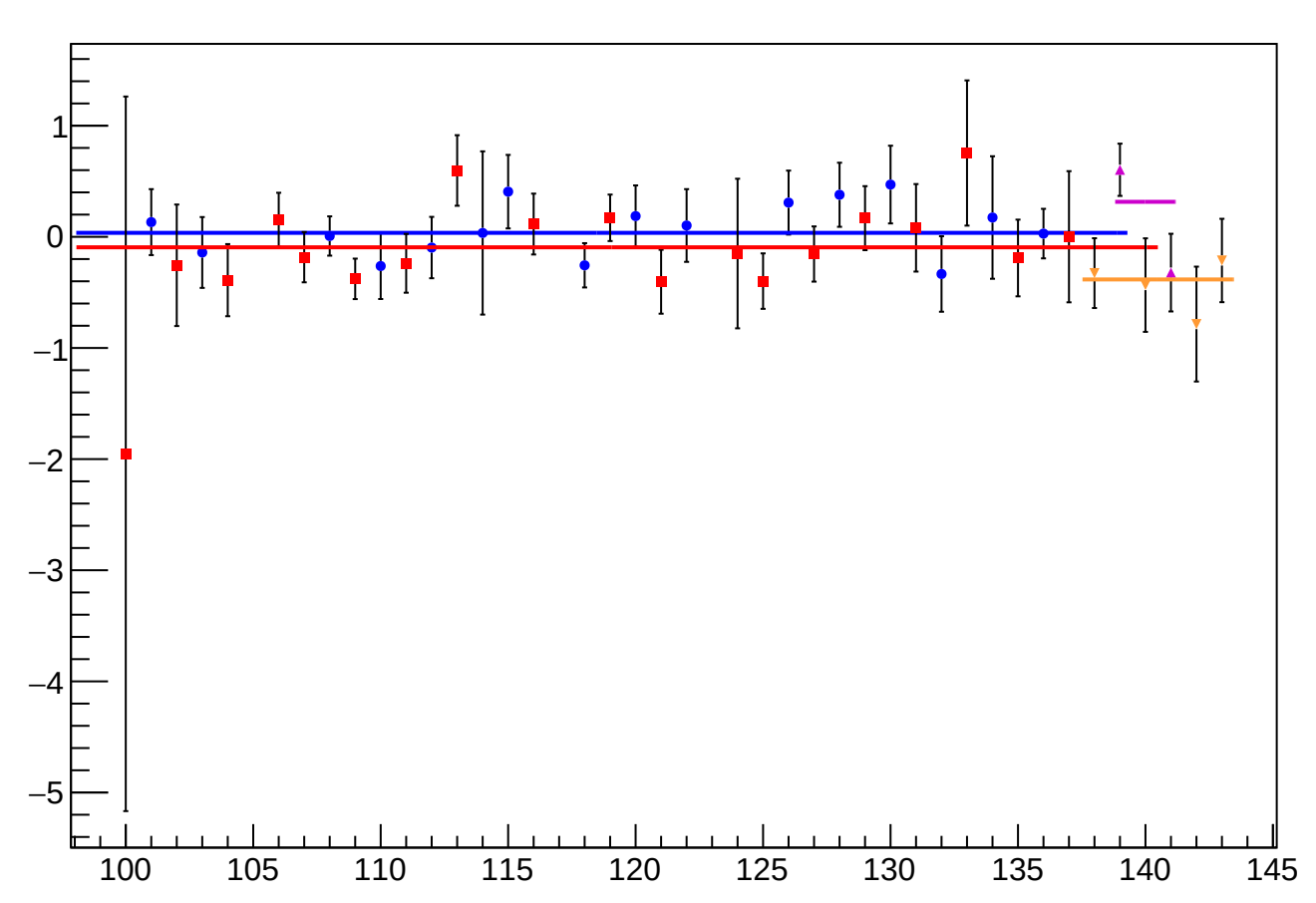
Left: 0.000+/-0.000 χ^2/NDF: 387221.6/5

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:2594251.8/22

All: 0.000+/-0.000 χ^2/NDF: 4213315.1/40



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.315+/-0.195 χ^2/NDF:4.8/1

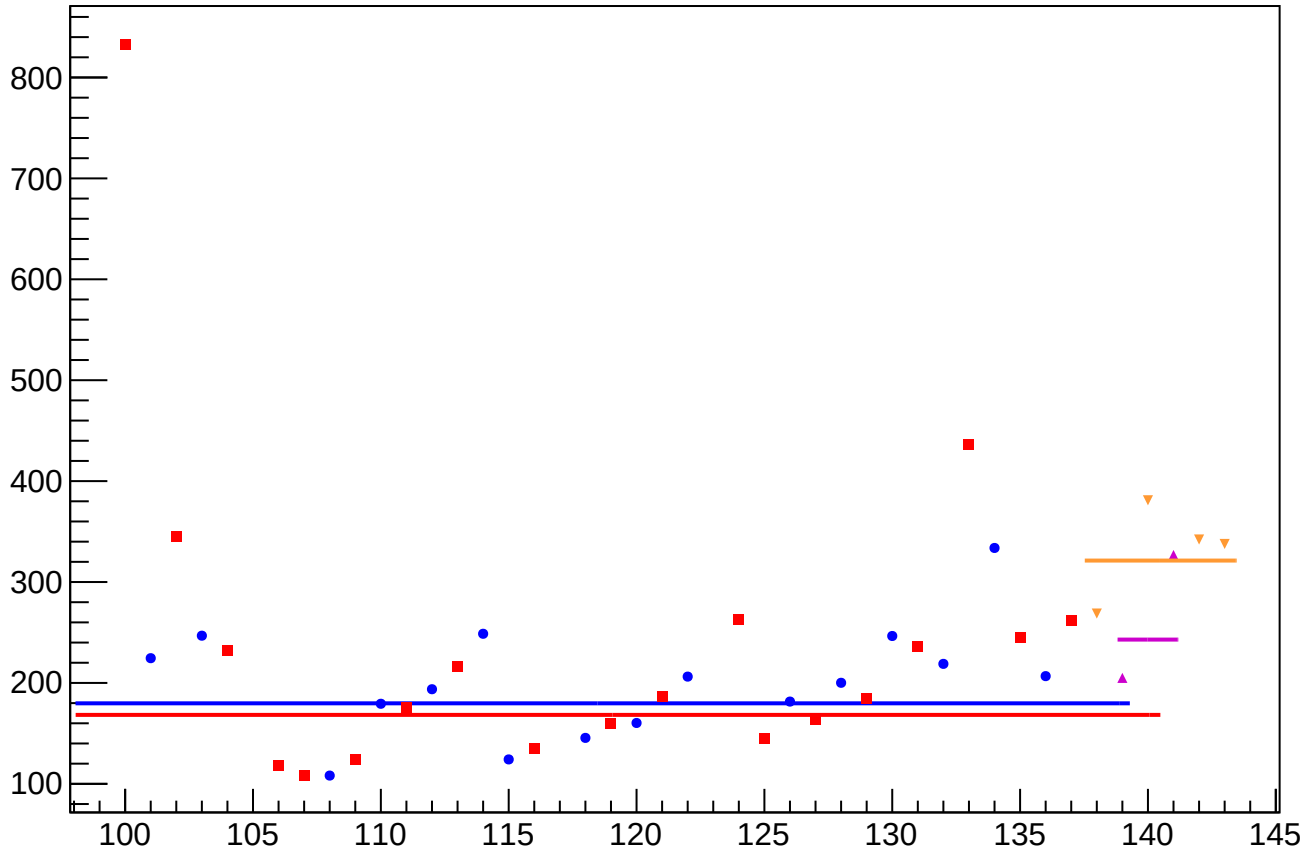
Left: -0.037+/-0.137 χ^2/NDF: 12.1/5

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.032+/-0.046 χ^2/NDF: 42.1/40



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 321.267+/-0.137 χ^2/NDF:103331.1/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 242.956+/-0.138 χ^2/NDF:167259.3/1

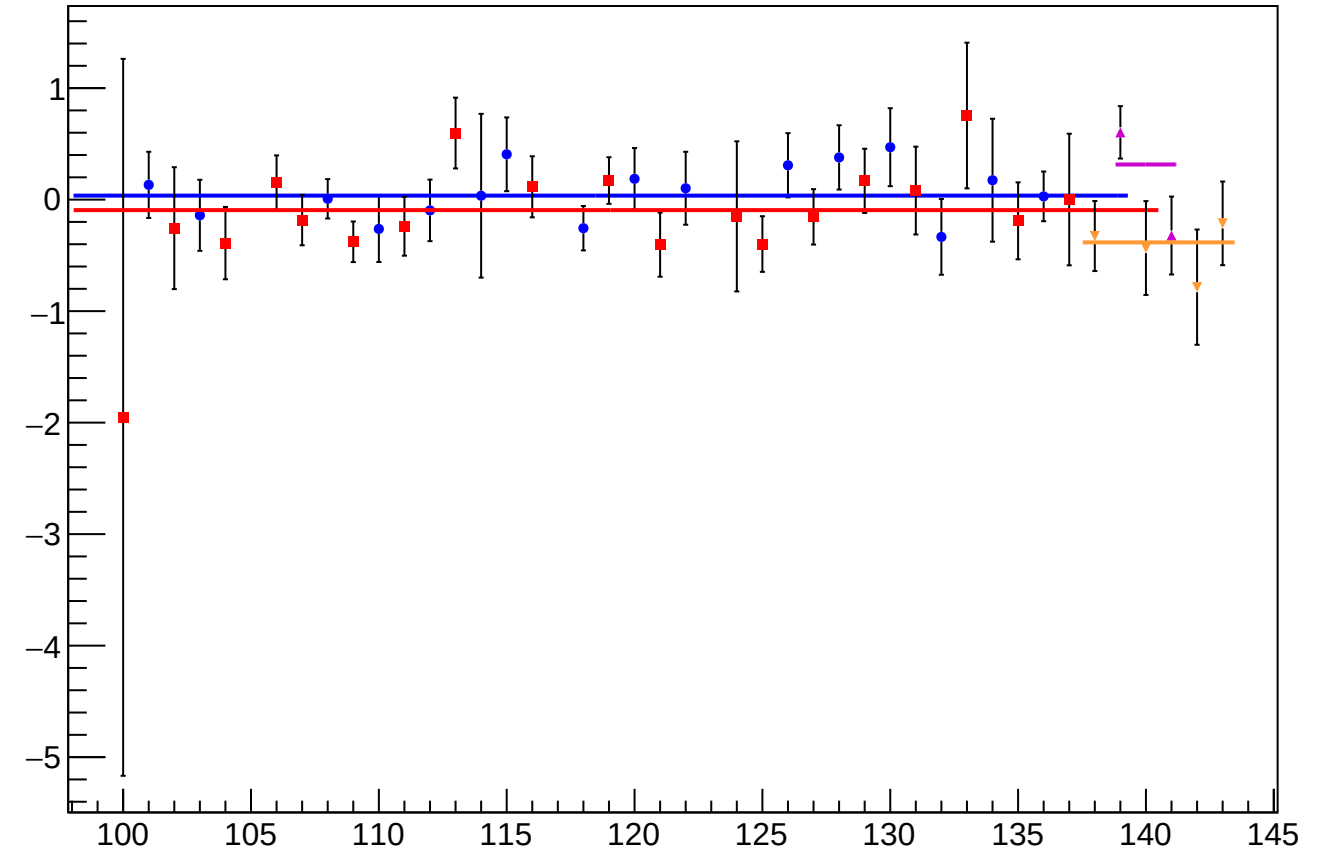
Left: 282.374+/-0.097 χ^2/NDF: 432871.5/5

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 187.108+/-0.047 χ^2/NDF:1271232.3/17

Out: 184.946+/-0.045 χ^2/NDF:2623408.4/22

All: 185.986+/-0.033 χ^2/NDF: 3895743.3/40



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

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: -0.037+/-0.137 χ^2/NDF: 12.1/5

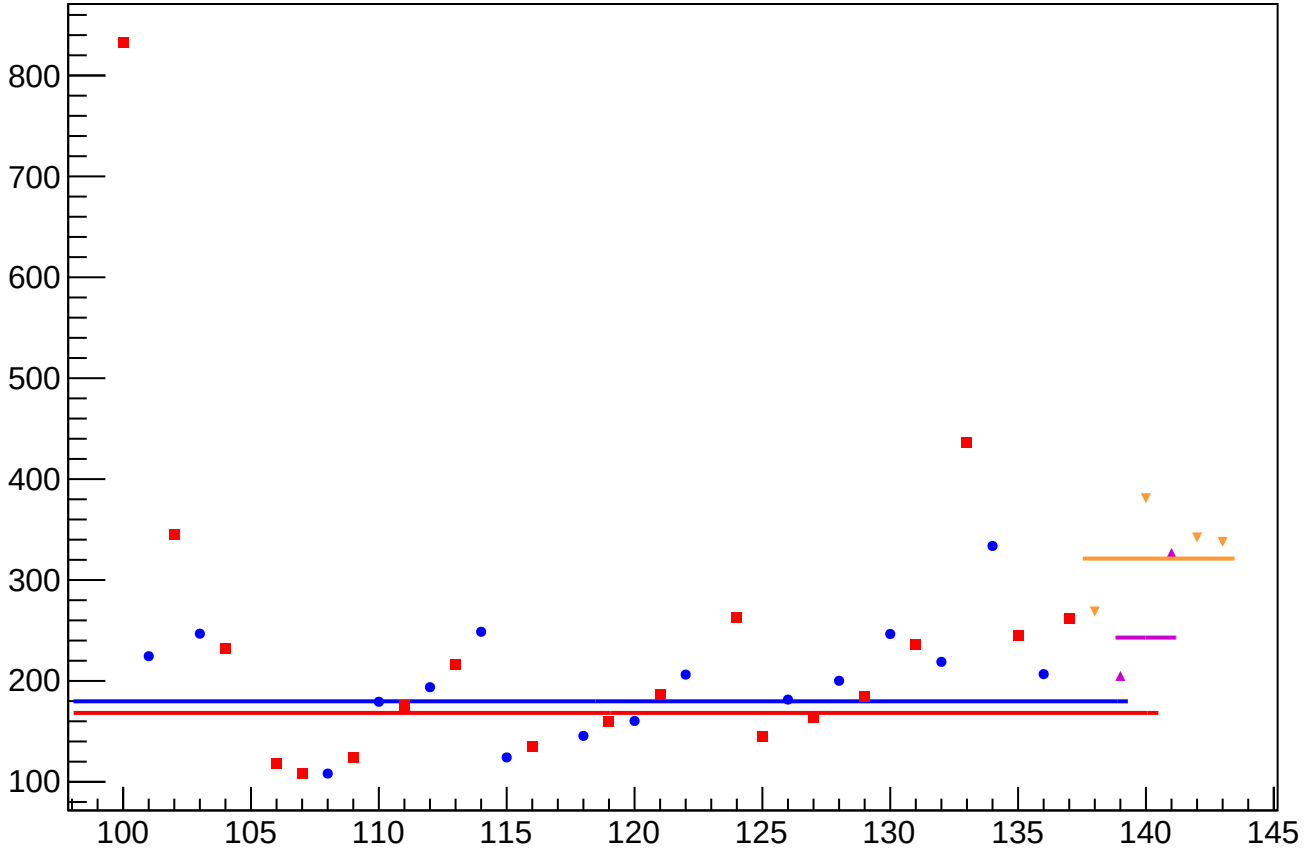
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.032+/-0.046 χ^2/NDF: 42.1/40

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 321.267+/-0.137 χ^2/NDF:103331.1/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 242.956+/-0.138 χ^2/NDF:167259.3/1

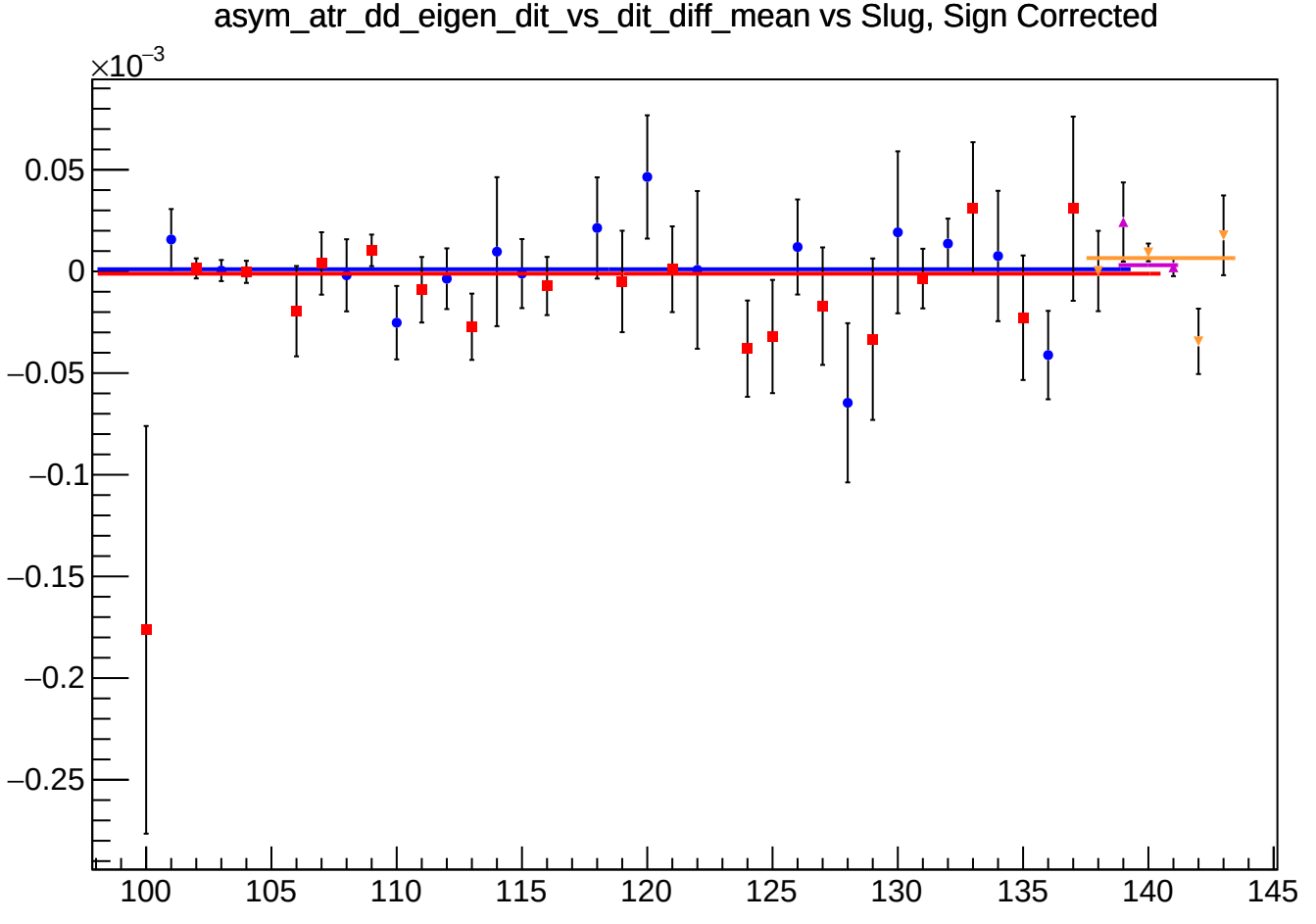
Left: 282.374+/-0.097 χ^2/NDF: 432871.5/5

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 187.108+/-0.047 χ^2/NDF:1271232.3/17

Out: 184.946+/-0.045 χ^2/NDF:2623408.4/22

All: 185.986+/-0.033 χ^2/NDF: 3895743.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

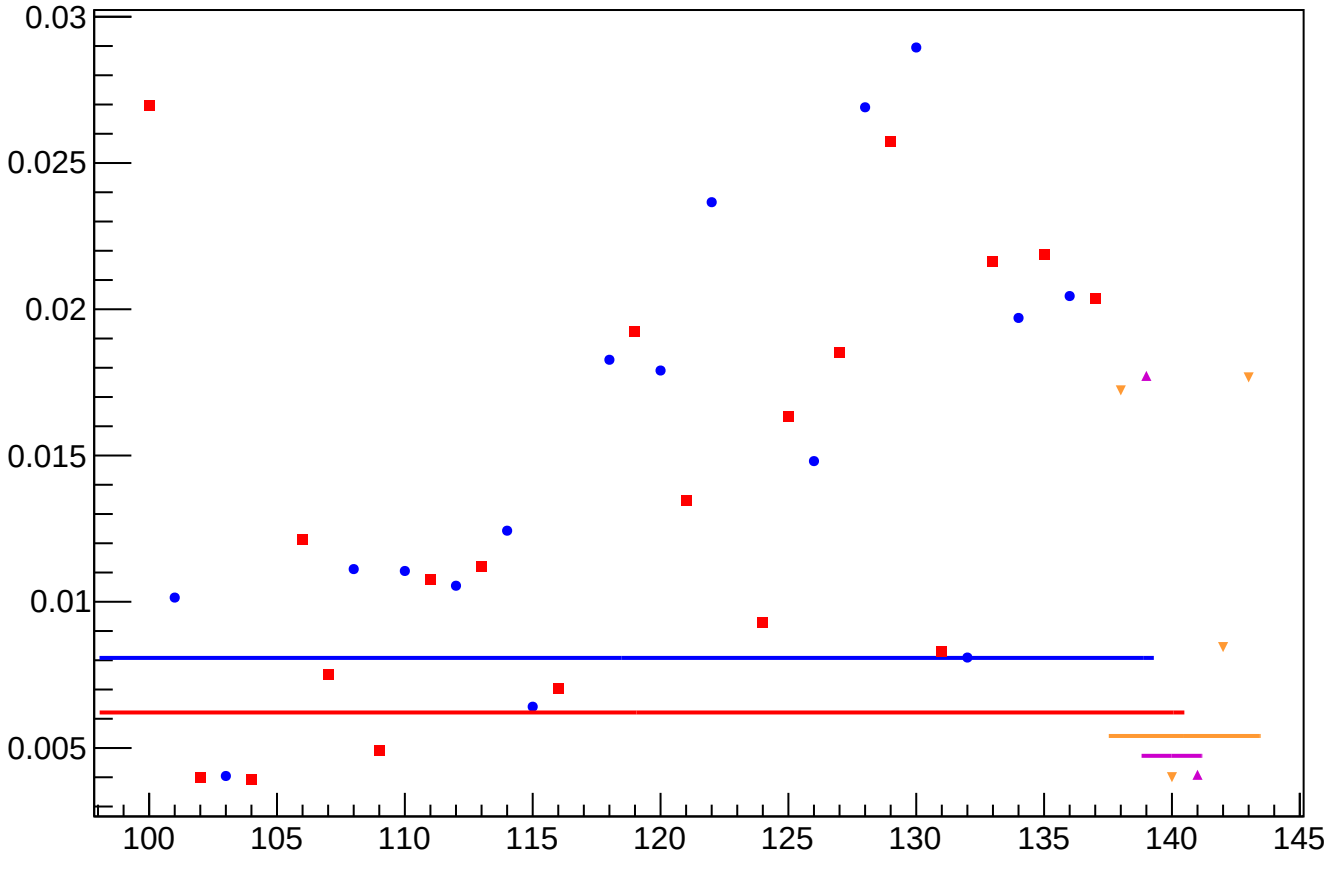
Left: 0.000+/-0.000 χ^2/NDF: 8.9/5

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:25.8/22

All: 0.000+/-0.000 χ^2/NDF: 41.4/40



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:1775955.9/3

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.005+/-0.000 χ^2/NDF:933943.9/1

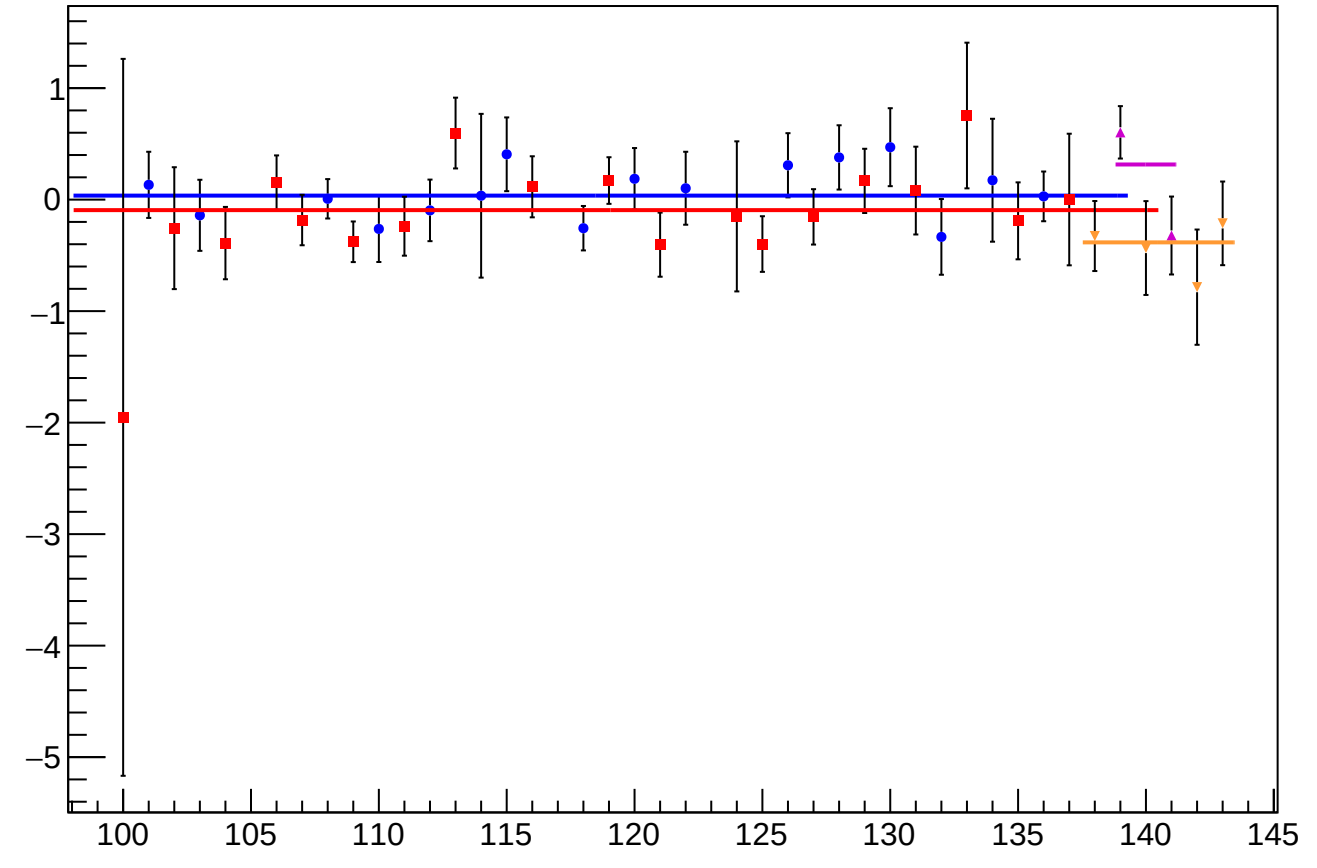
Left: 0.005+/-0.000 χ^2/NDF: 2736738.9/5

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:6390264.1/22

All: 0.006+/-0.000 χ^2/NDF: 12512159.2/40



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

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: -0.036+/-0.137 χ^2/NDF: 12.1/5

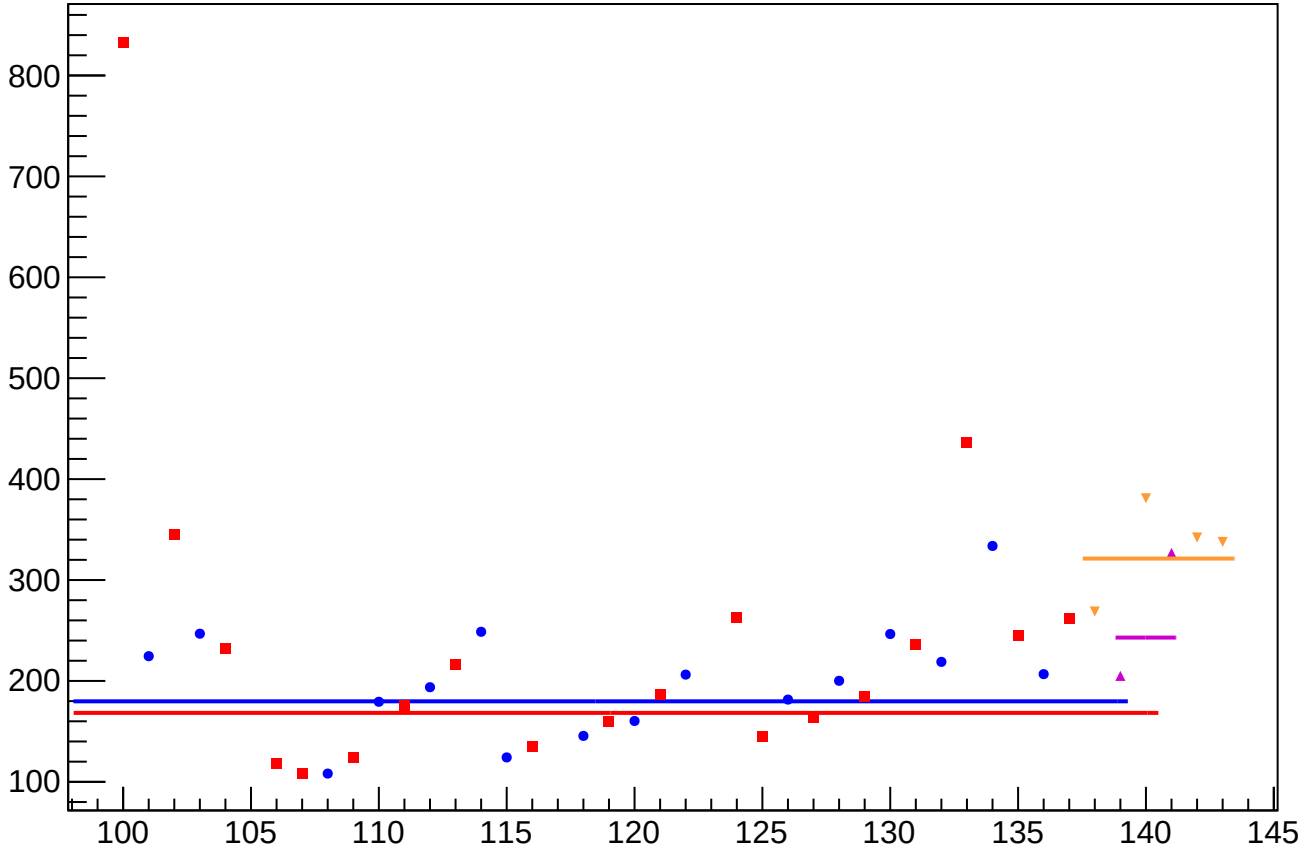
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.032+/-0.046 χ^2/NDF: 42.1/40

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 321.272+/-0.137 χ^2/NDF:103321.2/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 242.959+/-0.138 χ^2/NDF:167244.4/1

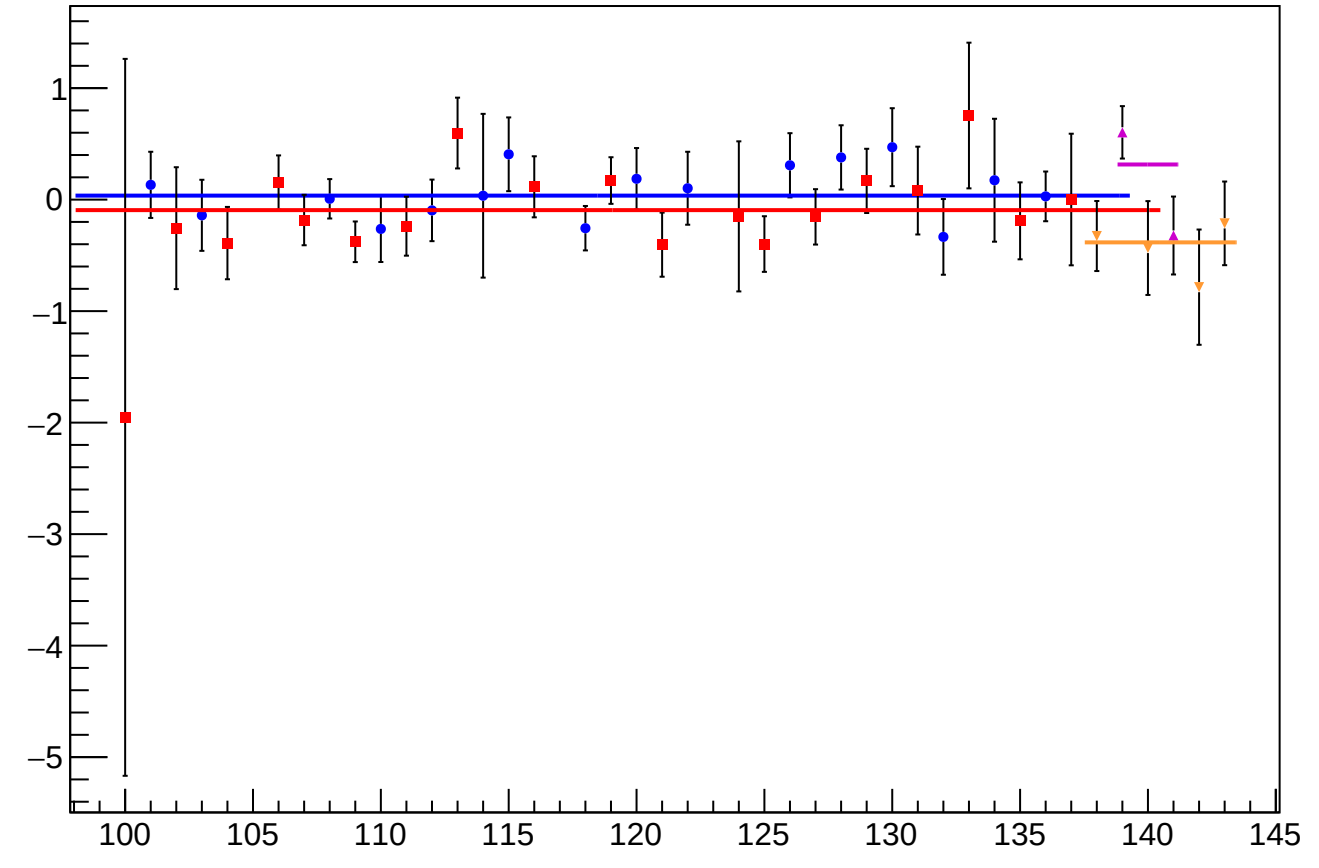
Left: 282.377+/-0.097 χ^2/NDF: 432848.2/5

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 187.106+/-0.047 χ^2/NDF:1271295.5/17

Out: 184.946+/-0.045 χ^2/NDF:2623438.6/22

All: 185.985+/-0.033 χ^2/NDF: 3895834.5/40



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.383+/-0.194 χ^2/NDF:0.9/3

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: -0.036+/-0.137 χ^2/NDF: 12.1/5

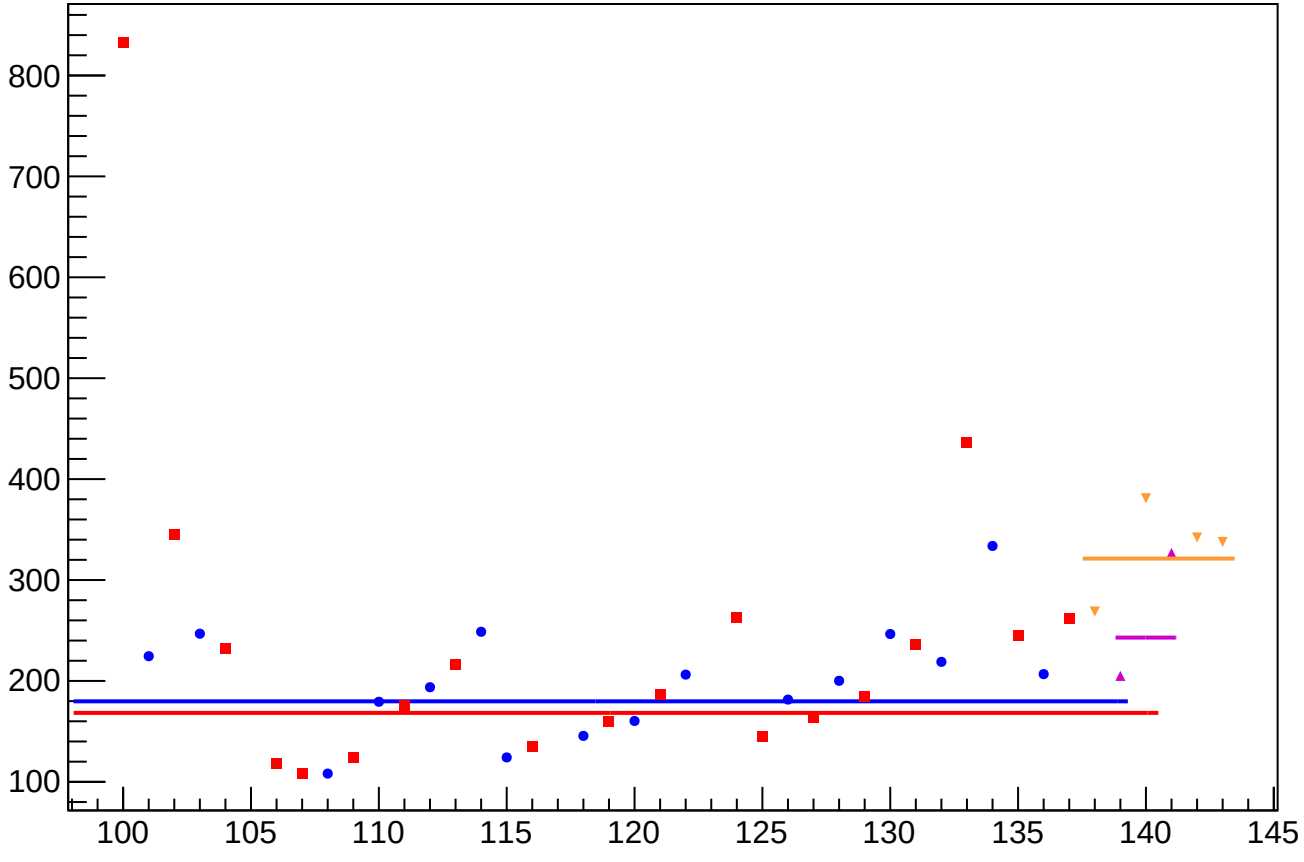
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.068+/-0.066 χ^2/NDF:17.2/17

Out: -0.126+/-0.064 χ^2/NDF:20.5/22

All: -0.032+/-0.046 χ^2/NDF: 42.1/40

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 321.272+/-0.137 χ^2/NDF:103321.2/3

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 242.959+/-0.138 χ^2/NDF:167244.4/1

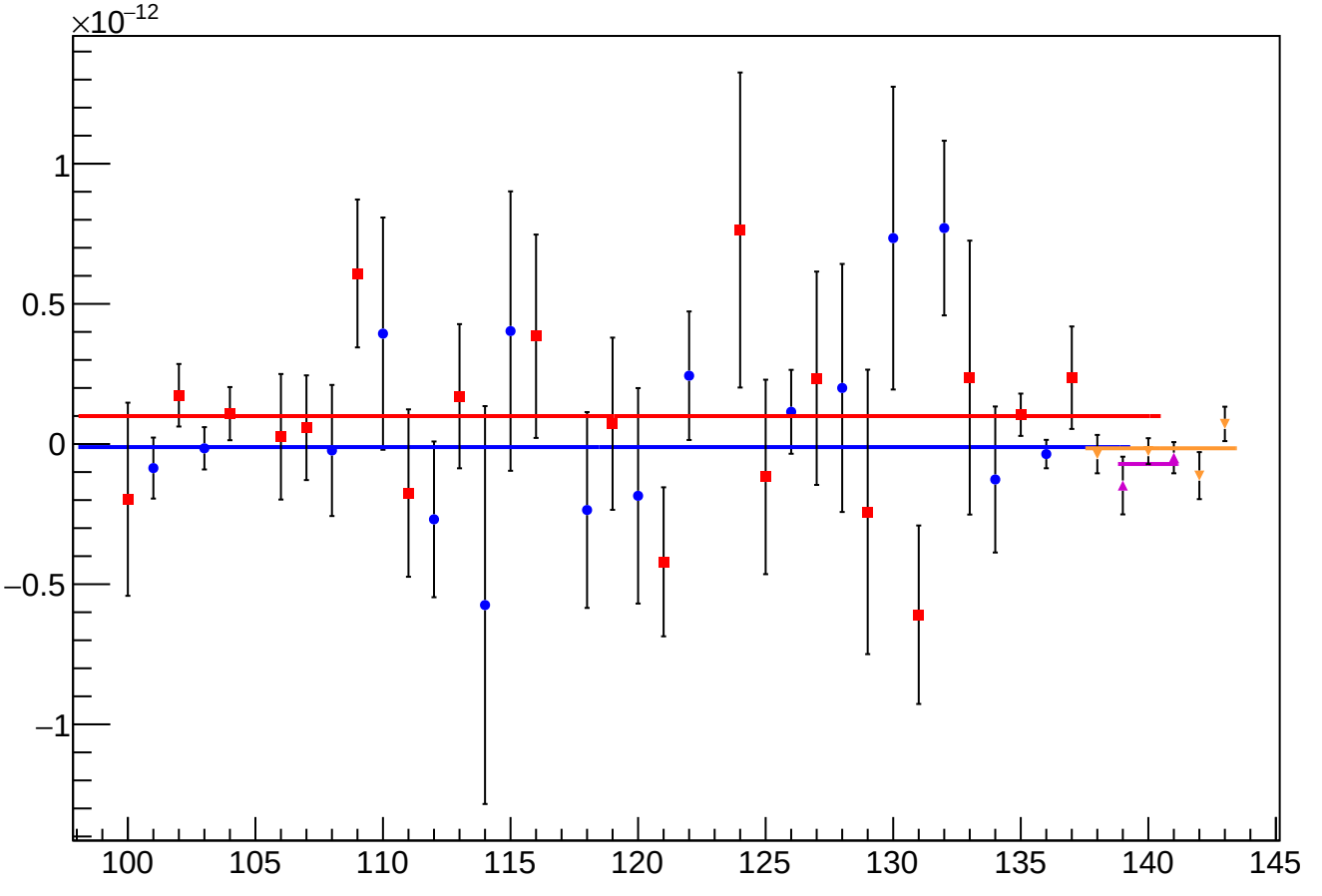
Left: 282.377+/-0.097 χ^2/NDF: 432848.2/5

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 187.106+/-0.047 χ^2/NDF:1271295.5/17

Out: 184.946+/-0.045 χ^2/NDF:2623438.6/22

All: 185.985+/-0.033 χ^2/NDF: 3895834.5/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

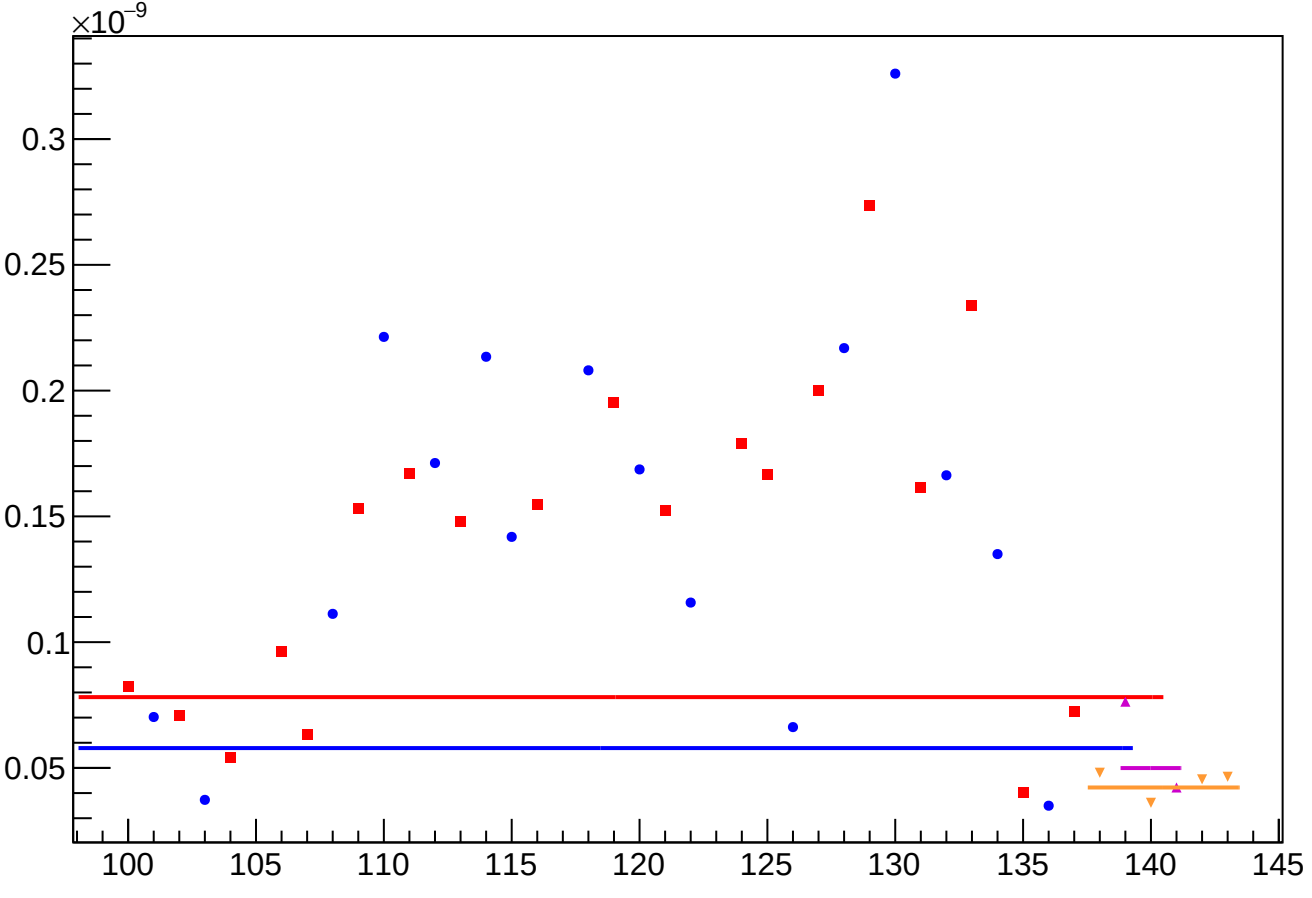
Left: -0.000+/-0.000 χ^2/NDF: 5.2/5

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:26.8/22

All: 0.000+/-0.000 χ^2/NDF: 45.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:61924.6/3

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: 267945.5/5

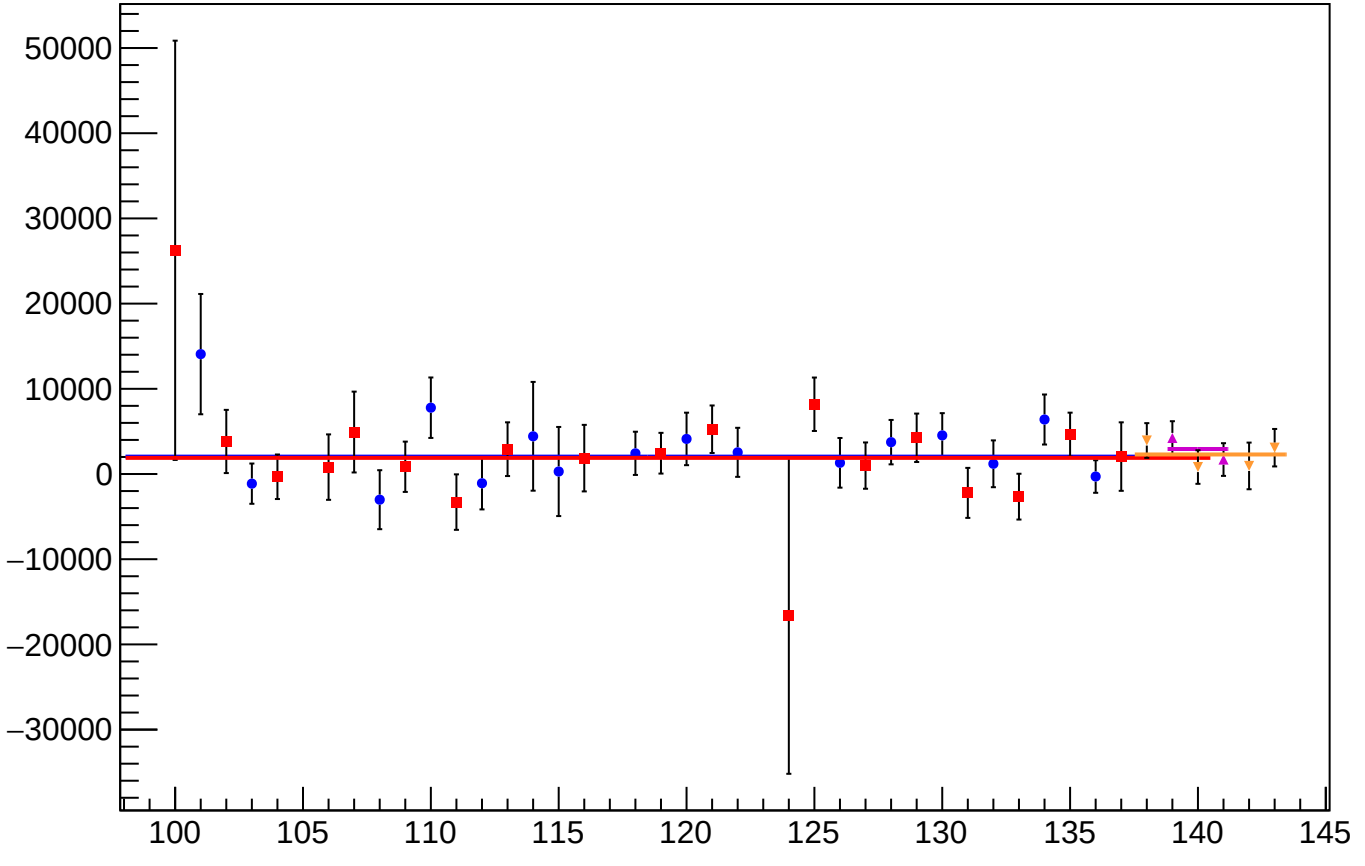
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3527759.0/17

Out: 0.000+/-0.000 χ^2/NDF:3752632.6/22

All: 0.000+/-0.000 χ^2/NDF: 7281065.5/40

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.435+/-1092.202 χ^2/NDF:1.6/3

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: 2542.454+/-854.692 χ^2/NDF: 2.6/5

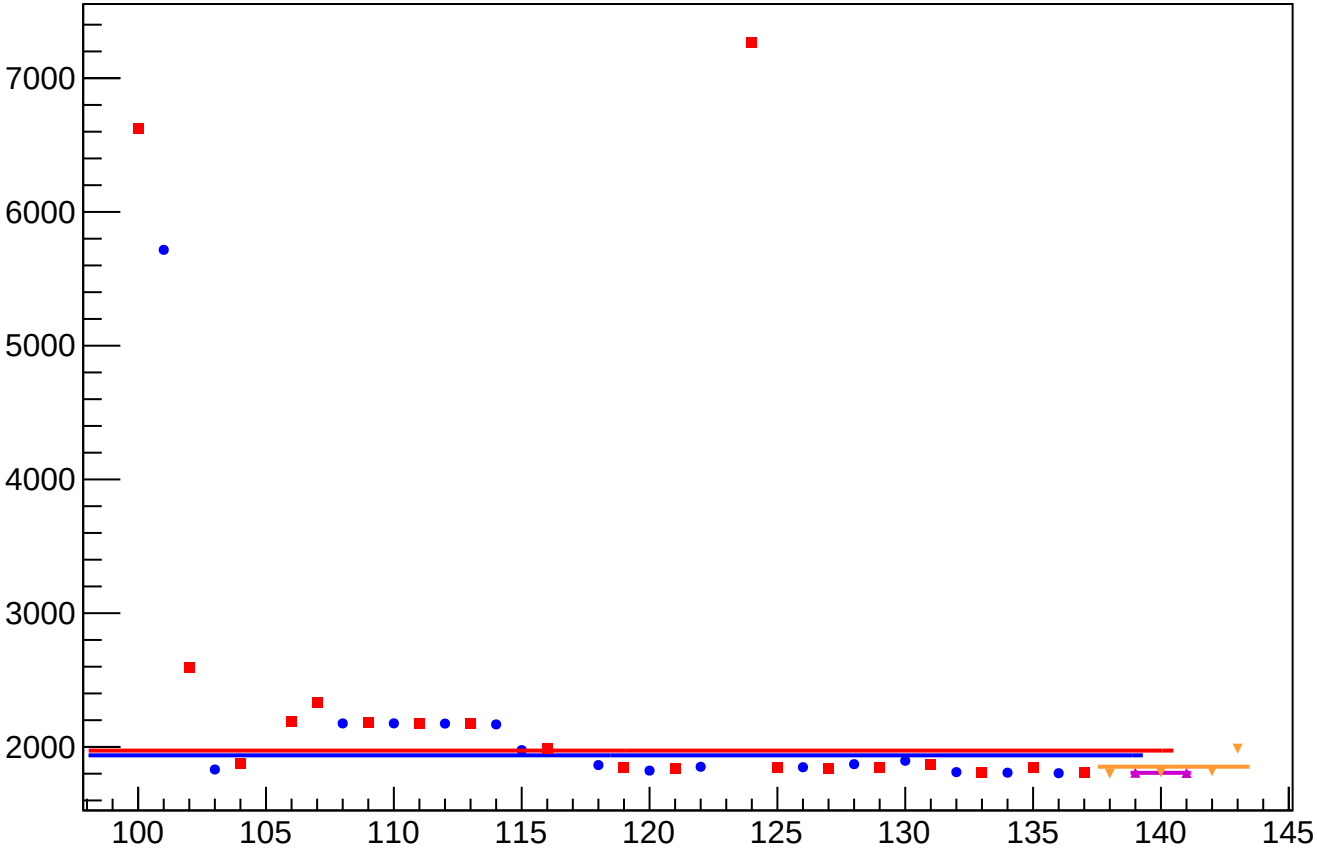
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2239.490+/-648.799 χ^2/NDF:17.6/17

Out: 2019.770+/-610.787 χ^2/NDF:20.2/22

All: 2123.006+/-444.723 χ^2/NDF: 37.9/40

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1806.414+/-0.971 χ^2/NDF:0.7/1

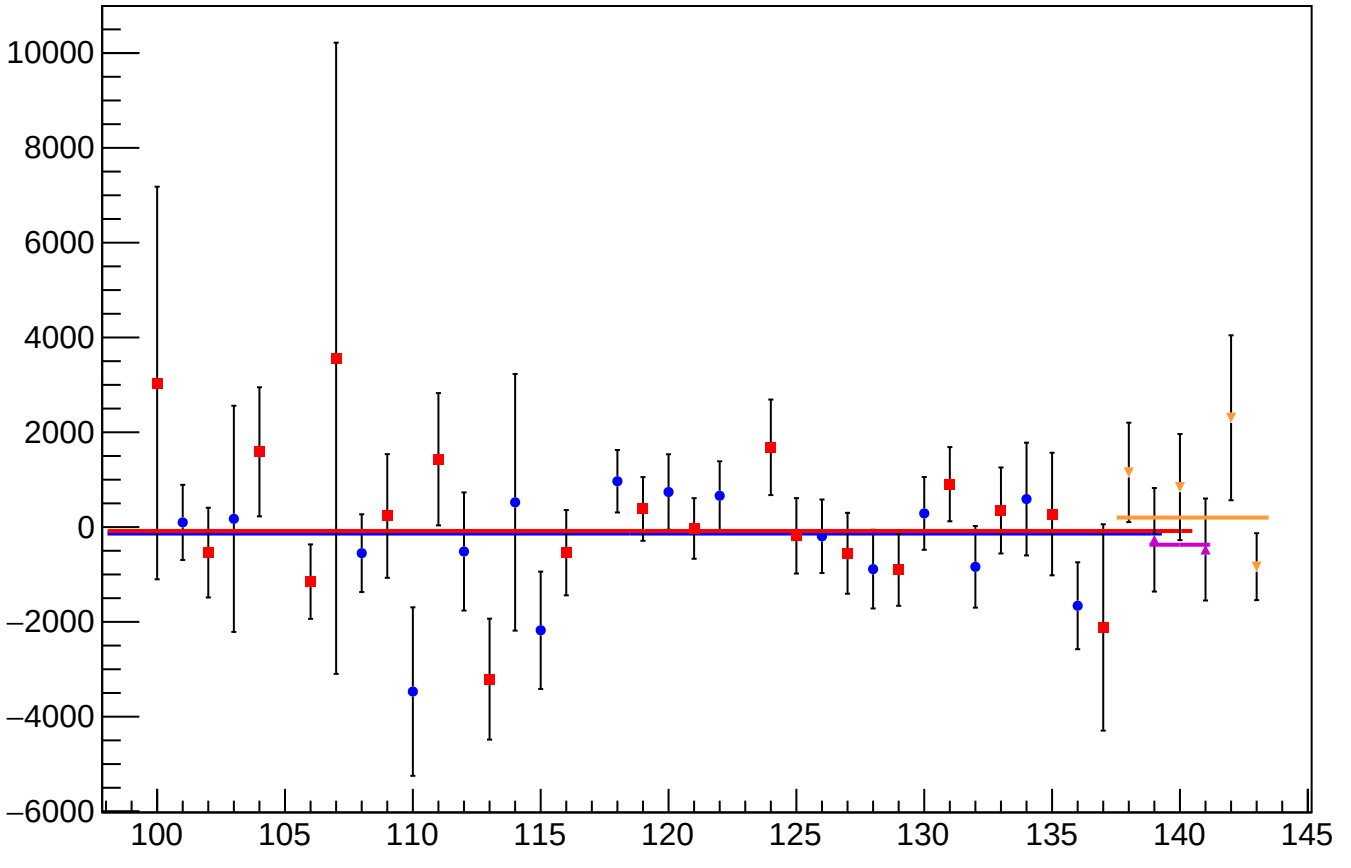
Left: 1834.502+/-0.604 χ^2/NDF: 11379.4/5

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1908.027+/-0.459 χ^2/NDF:652202.4/17

Out: 1935.082+/-0.432 χ^2/NDF:404273.8/22

All: 1922.370+/-0.314 χ^2/NDF: 1058320.1/40



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 200.189+/-497.344 χ^2/NDF:4.8/3

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -372.310+/-766.313 χ^2/NDF:0.0/1

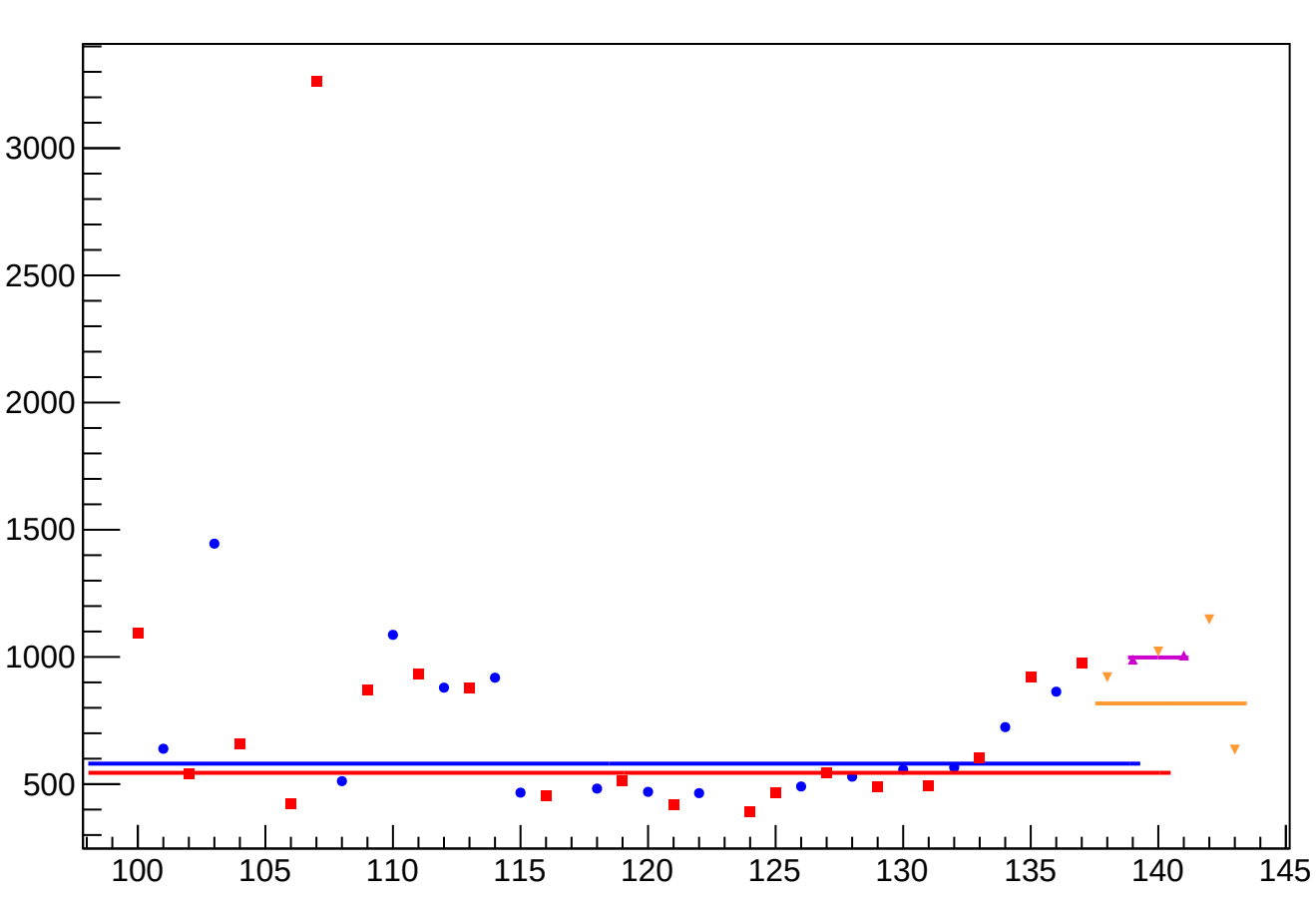
Left: 30.514+/-417.184 χ^2/NDF: 5.2/5

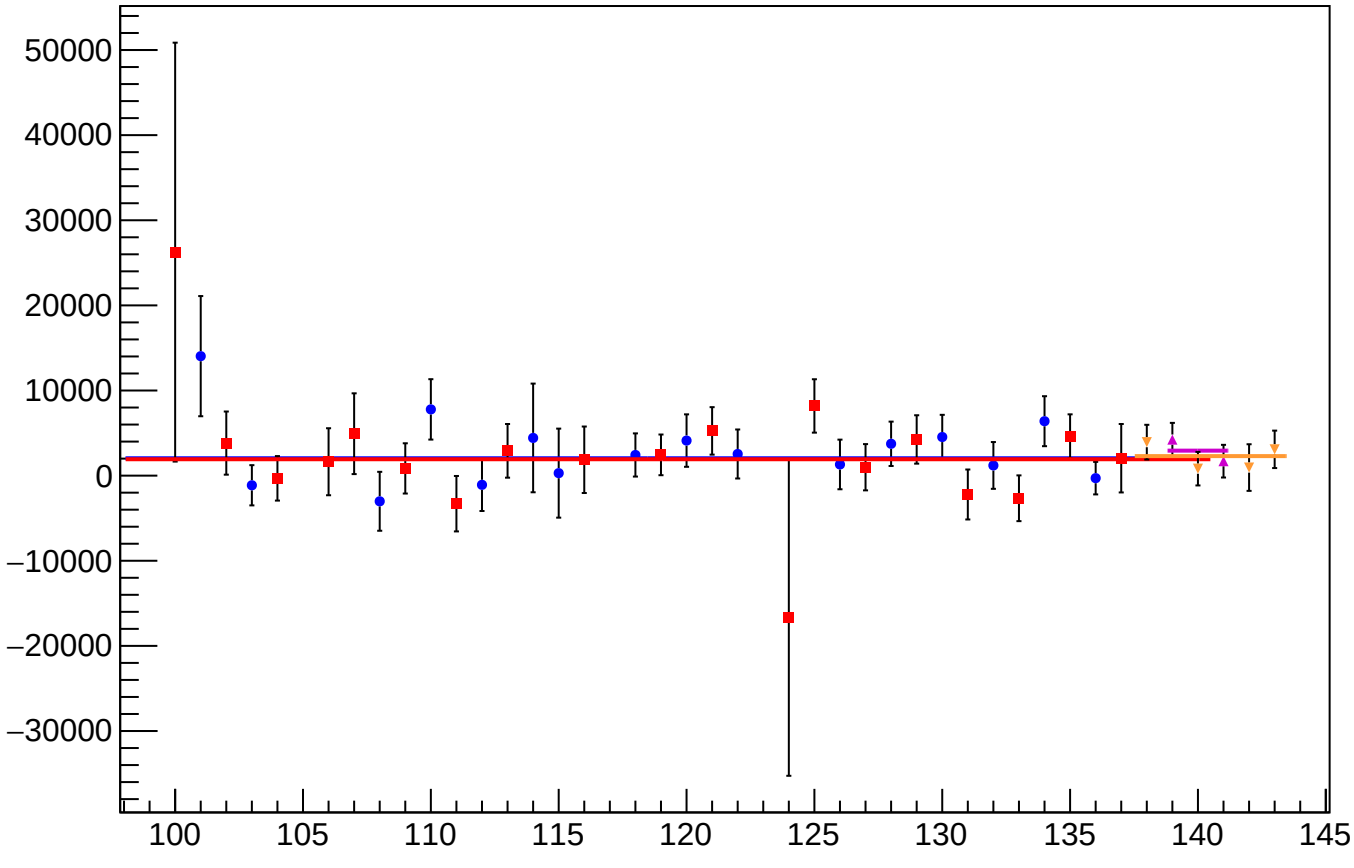
Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -156.185+/-220.670 χ^2/NDF:17.0/17

Out: -35.356+/-202.735 χ^2/NDF:24.8/22

All: -90.662+/-149.294 χ^2/NDF: 41.9/40


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
105
110
115
120
125
130
135
140
145
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 817.390+/-0.352 χ²/NDF:290296.5/3
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 998.003+/-0.542 χ²/NDF:225.2/1
Left: 870.920+/-0.295 χ²/NDF: 368694.1/5
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 615.222+/-0.156 χ²/NDF:1547778.0/17
Out: 589.871+/-0.143 χ²/NDF:2079906.5/22
All: 601.474+/-0.106 χ²/NDF: 3641999.1/40



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.594+/-1092.202 χ^2/NDF:1.6/3

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: 2542.741+/-854.692 χ^2/NDF: 2.6/5

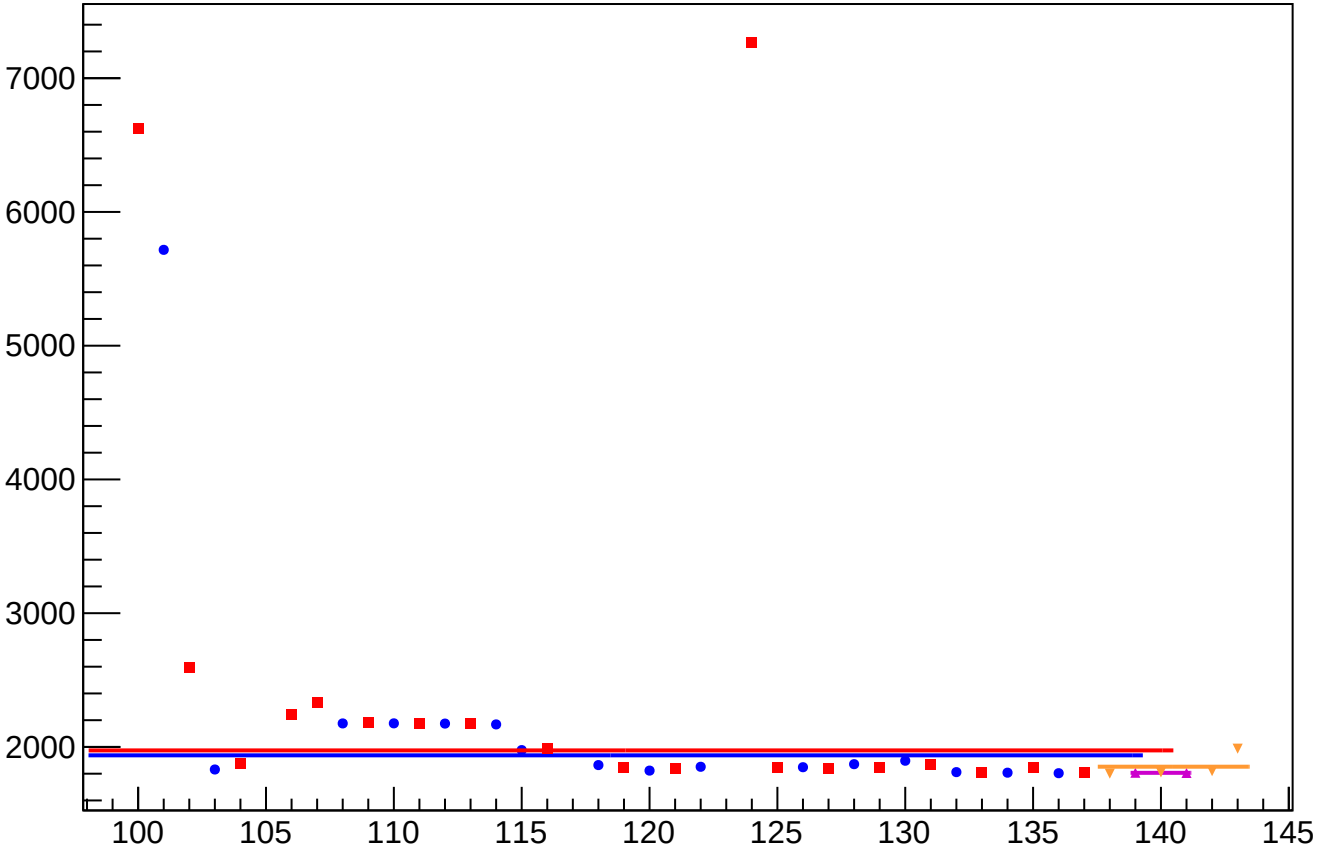
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2239.313+/-648.799 χ^2/NDF:17.6/17

Out: 2041.279+/-611.157 χ^2/NDF:20.1/22

All: 2134.385+/-444.866 χ^2/NDF: 37.7/40

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1806.415+/-0.971 χ^2/NDF:0.7/1

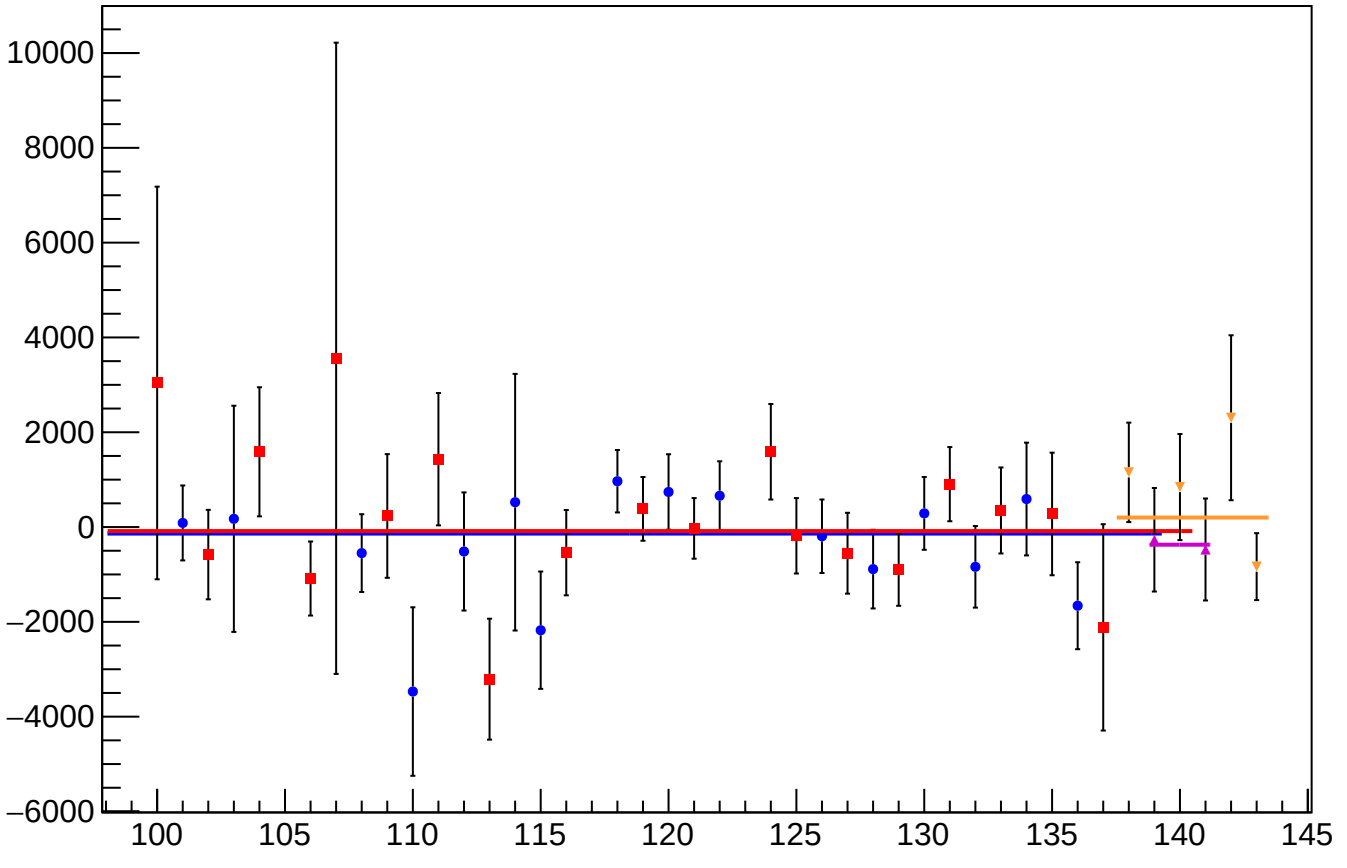
Left: 1834.502+/-0.604 χ^2/NDF: 11379.4/5

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1908.026+/-0.459 χ^2/NDF:652202.4/17

Out: 1935.995+/-0.432 χ^2/NDF:407547.5/22

All: 1922.846+/-0.315 χ^2/NDF: 1061719.1/40



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 200.314+/-497.344 χ^2/NDF:4.8/3

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -372.359+/-766.319 χ^2/NDF:0.0/1

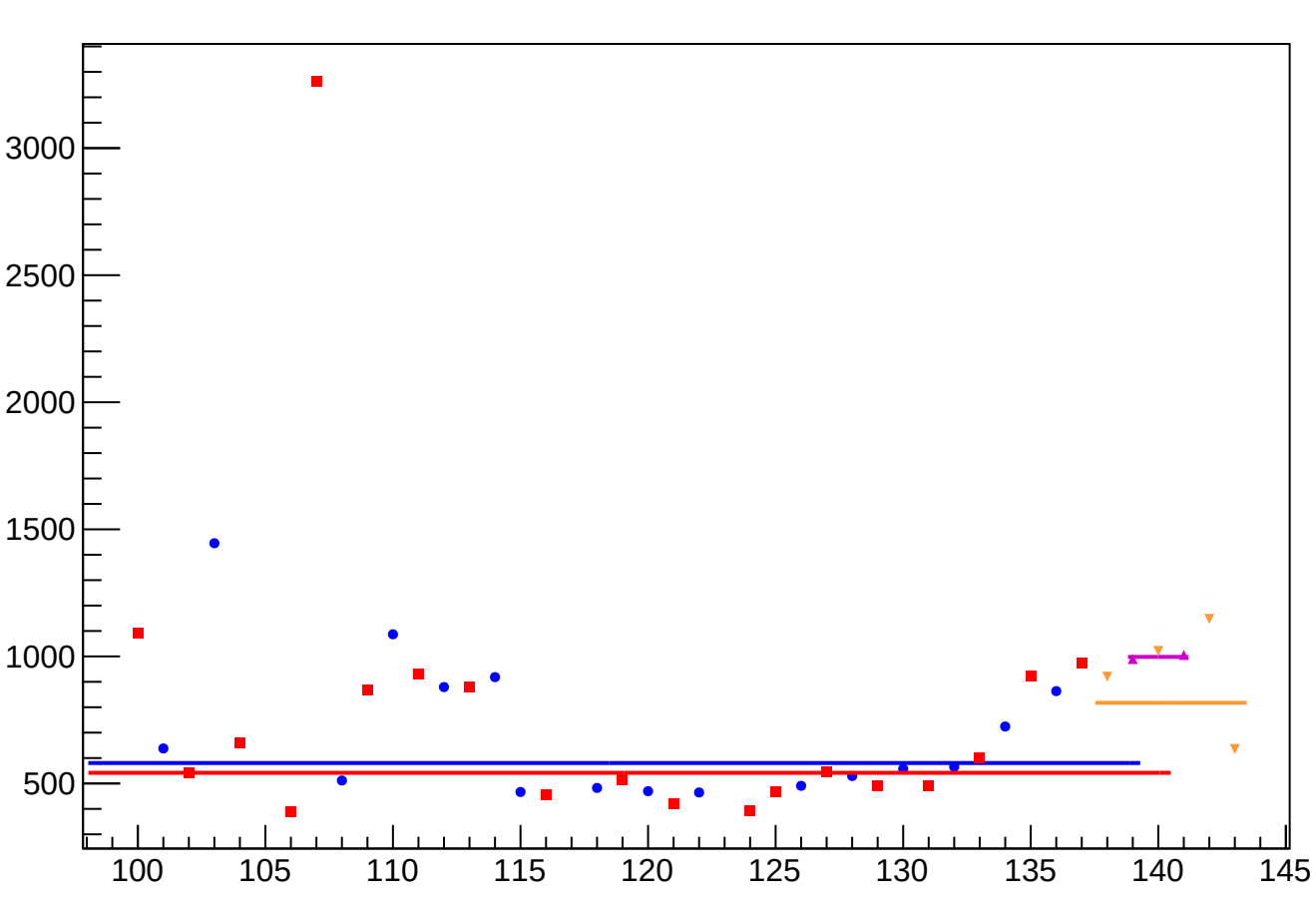
Left: 30.590+/-417.184 χ^2/NDF: 5.2/5

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -156.959+/-220.627 χ^2/NDF:17.0/17

Out: -37.595+/-202.630 χ^2/NDF:24.3/22

All: -92.211+/-149.239 χ^2/NDF: 41.5/40


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
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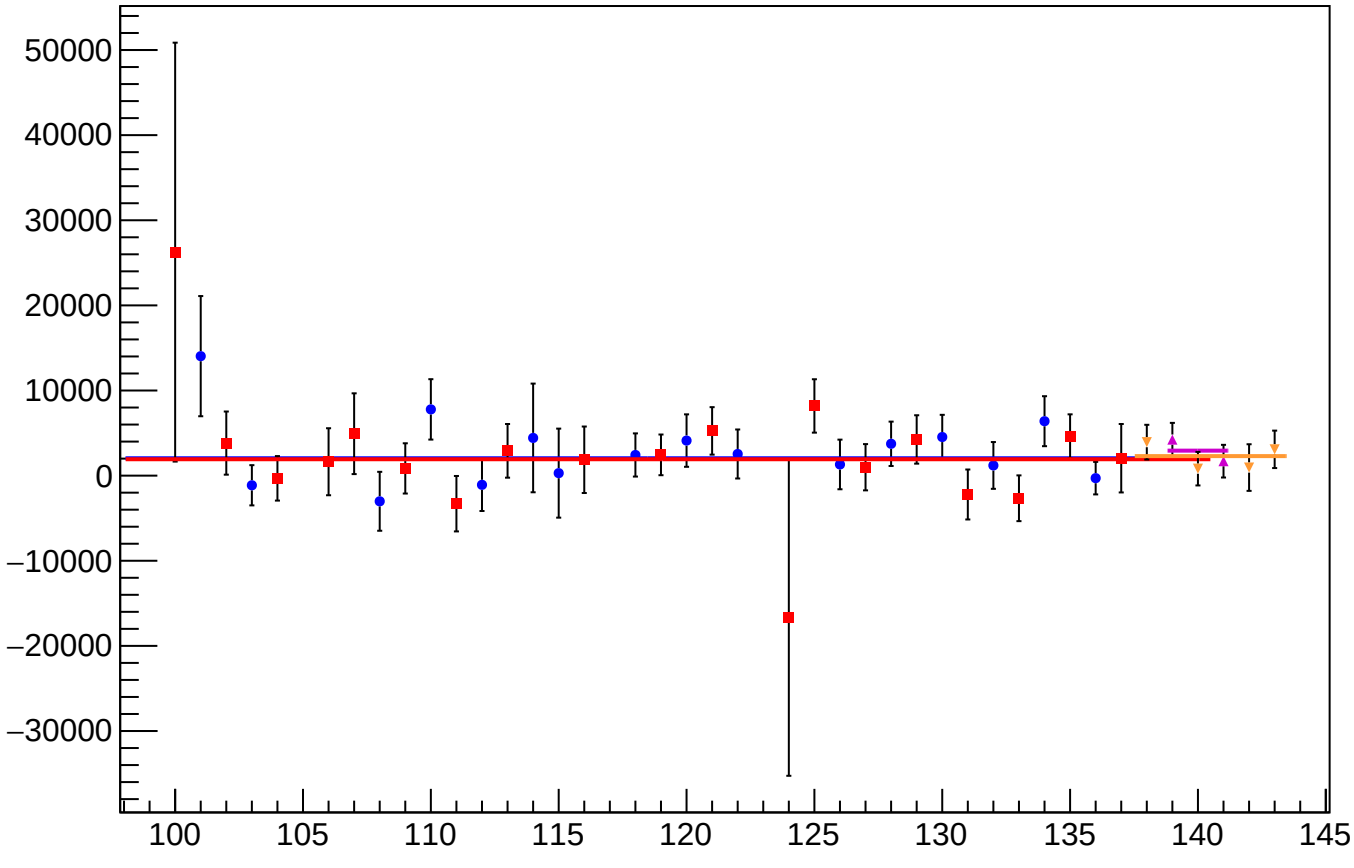
125
130
135
140
145
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 817.389+/-0.352 χ²/NDF:290286.3/3
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 998.009+/-0.542 χ²/NDF:224.7/1
Left: 870.920+/-0.295 χ²/NDF: 368689.4/5
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 615.124+/-0.156 χ²/NDF:1547534.6/17
Out: 587.662+/-0.143 χ²/NDF:2120786.4/22
All: 600.228+/-0.106 χ²/NDF: 3685129.8/40



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2293.594+/-1092.202 χ^2/NDF:1.6/3

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2936.337+/-1372.779 χ^2/NDF:0.9/1

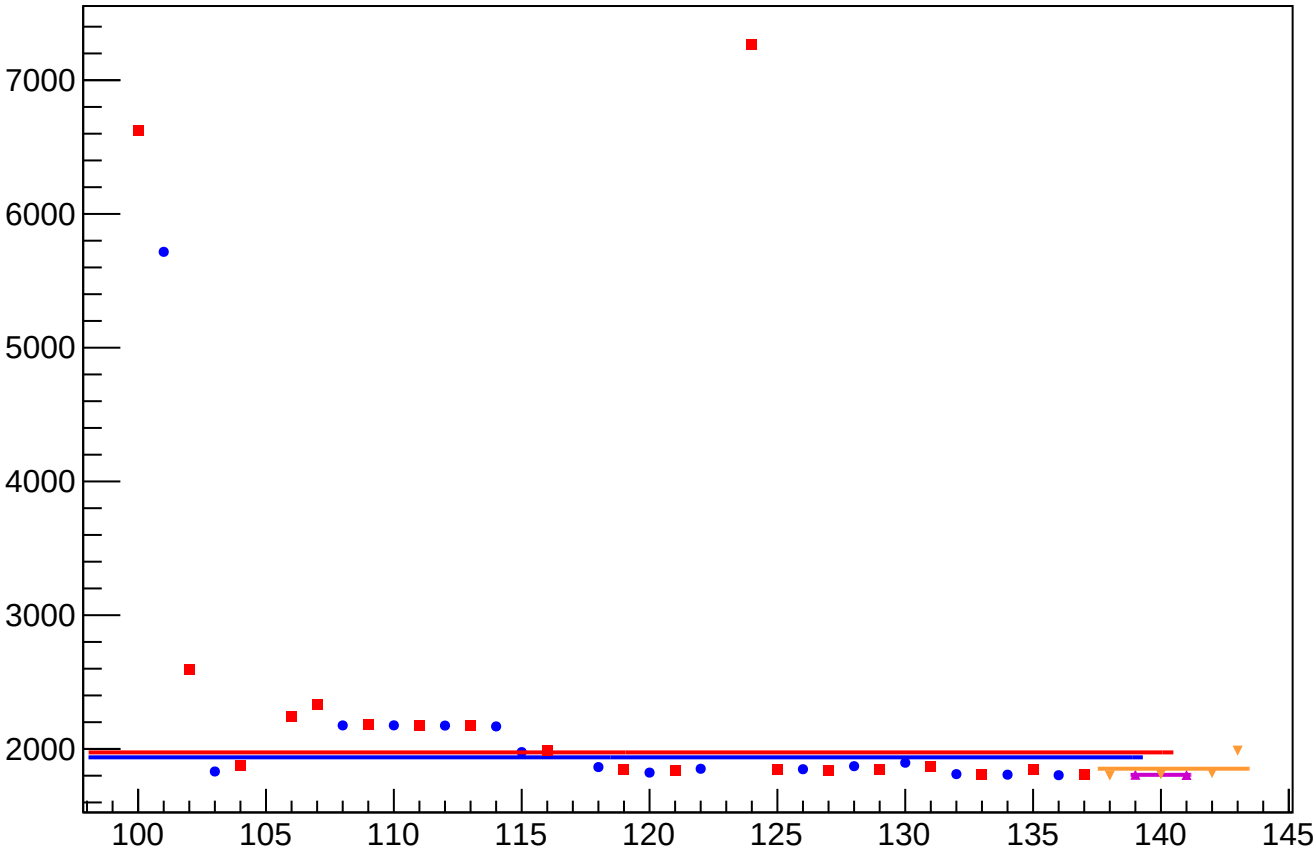
Left: 2542.741+/-854.692 χ^2/NDF: 2.6/5

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2239.313+/-648.799 χ^2/NDF:17.6/17

Out: 2041.279+/-611.157 χ^2/NDF:20.1/22

All: 2134.385+/-444.866 χ^2/NDF: 37.7/40



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1852.281+/-0.772 χ^2/NDF:10011.6/3

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: 1834.502+/-0.604 χ^2/NDF: 11379.4/5

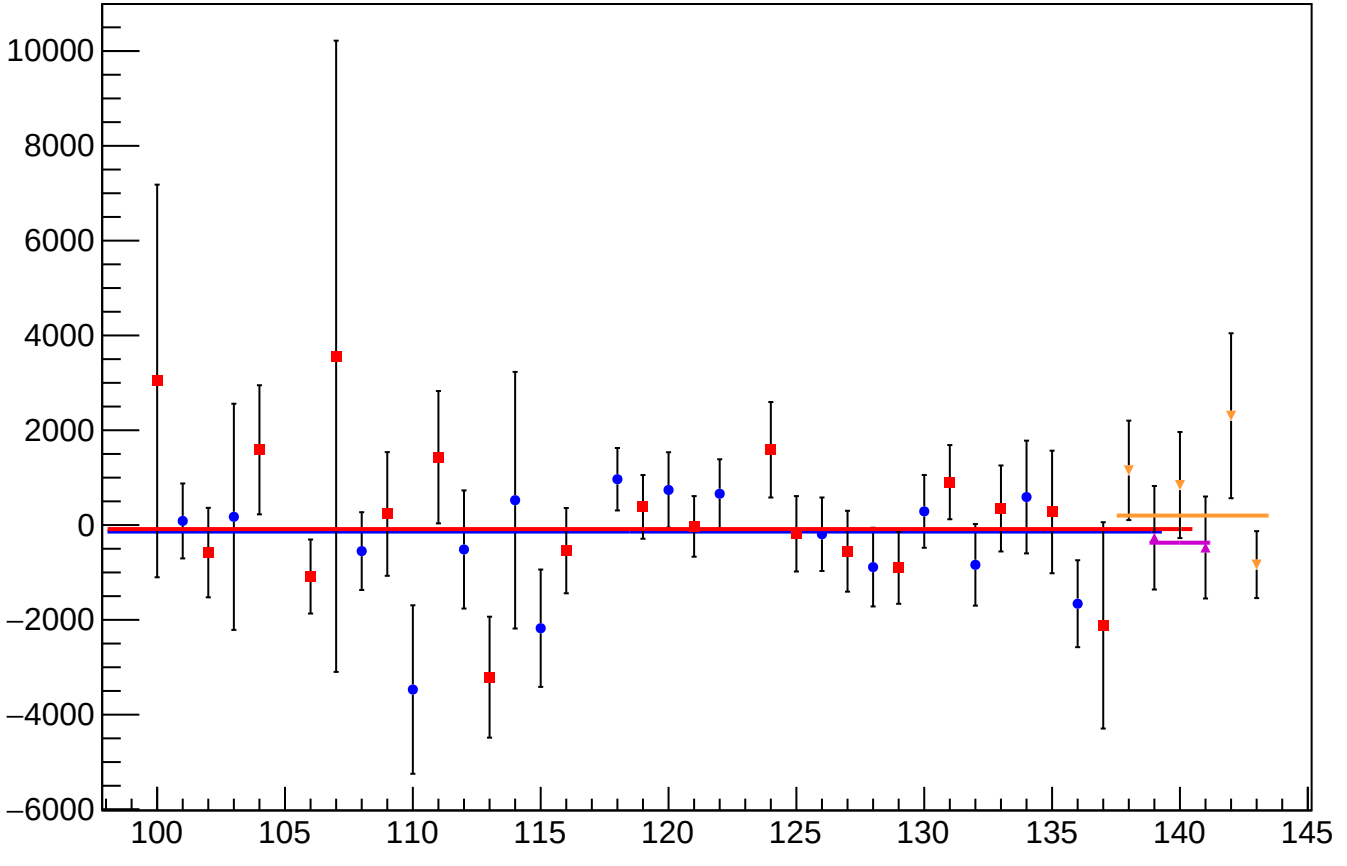
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1908.026+/-0.459 χ^2/NDF:652202.4/17

Out: 1935.995+/-0.432 χ^2/NDF:407547.5/22

All: 1922.846+/-0.315 χ^2/NDF: 1061719.1/40

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: 200.314+/-497.344 χ^2/NDF:4.8/3

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -372.359+/-766.319 χ^2/NDF:0.0/1

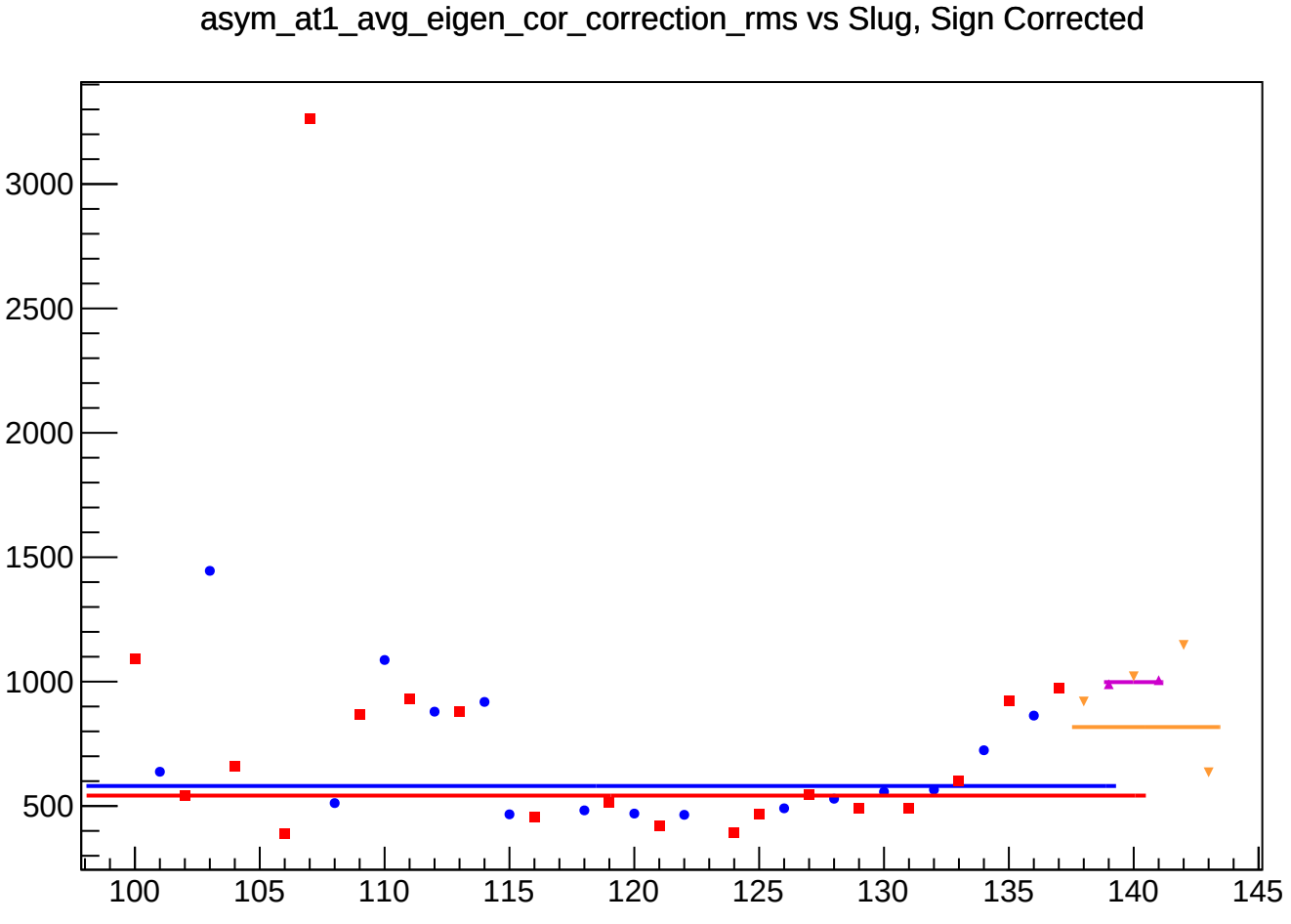
Left: 30.590+/-417.184 χ^2/NDF: 5.2/5

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -156.959+/-220.627 χ^2/NDF:17.0/17

Out: -37.595+/-202.630 χ^2/NDF:24.3/22

All: -92.211+/-149.239 χ^2/NDF: 41.5/40


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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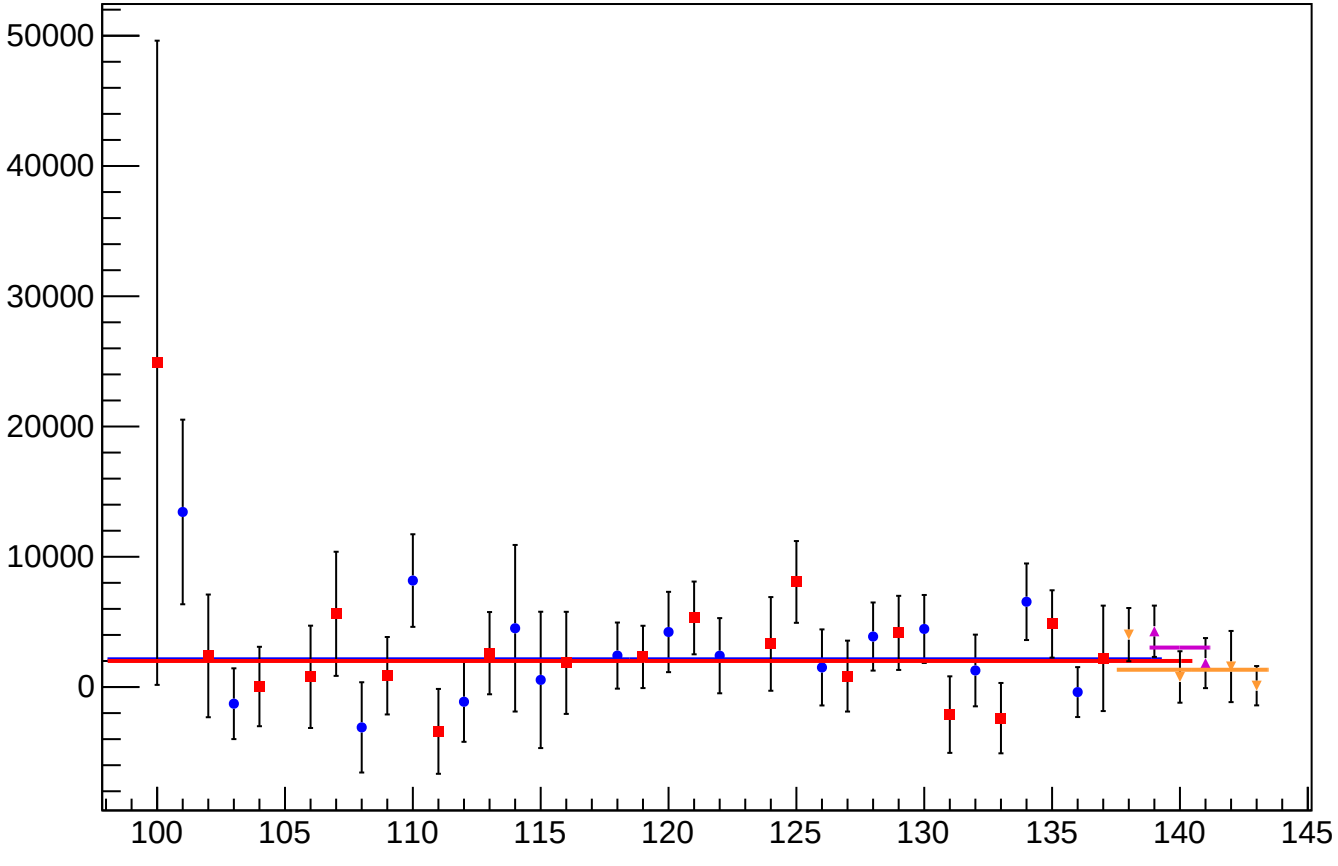
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 817.389+/-0.352 χ²/NDF:290286.3/3
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 998.009+/-0.542 χ²/NDF:224.7/1
Left: 870.920+/-0.295 χ²/NDF: 368689.4/5
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 615.124+/-0.156 χ²/NDF:1547534.6/17
Out: 587.662+/-0.143 χ²/NDF:2120786.4/22
All: 600.228+/-0.106 χ²/NDF: 3685129.8/40

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1328.166+/-967.377 χ^2/NDF:2.5/3

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 3030.413+/-1375.592 χ^2/NDF:0.8/1

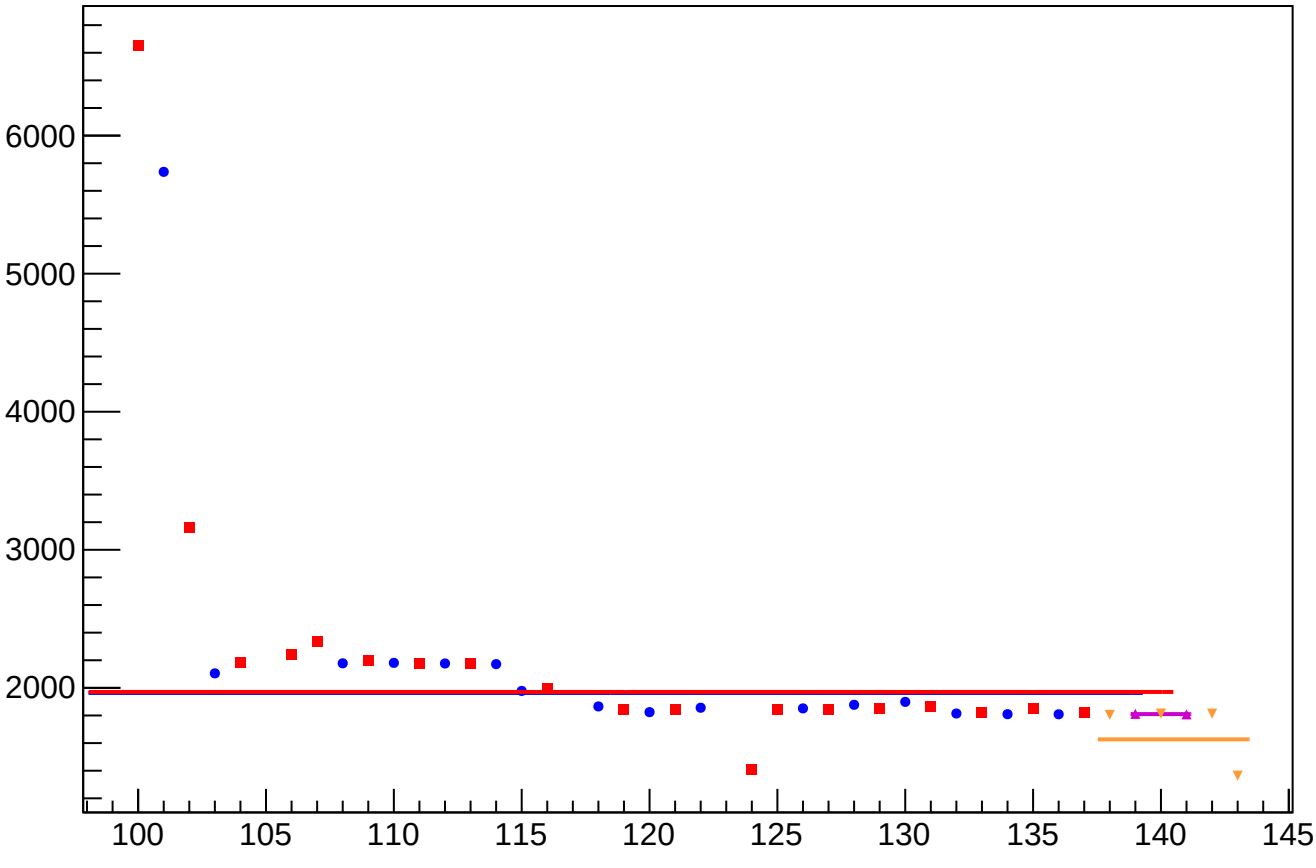
Left: 1891.445+/-791.298 χ^2/NDF: 4.3/5

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2333.767+/-655.939 χ^2/NDF:17.6/17

Out: 1754.586+/-586.346 χ^2/NDF:19.5/22

All: 2011.832+/-437.150 χ^2/NDF: 37.6/40



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1627.110+/-0.684 χ^2/NDF:102852.6/3

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1809.974+/-0.973 χ^2/NDF:3.5/1

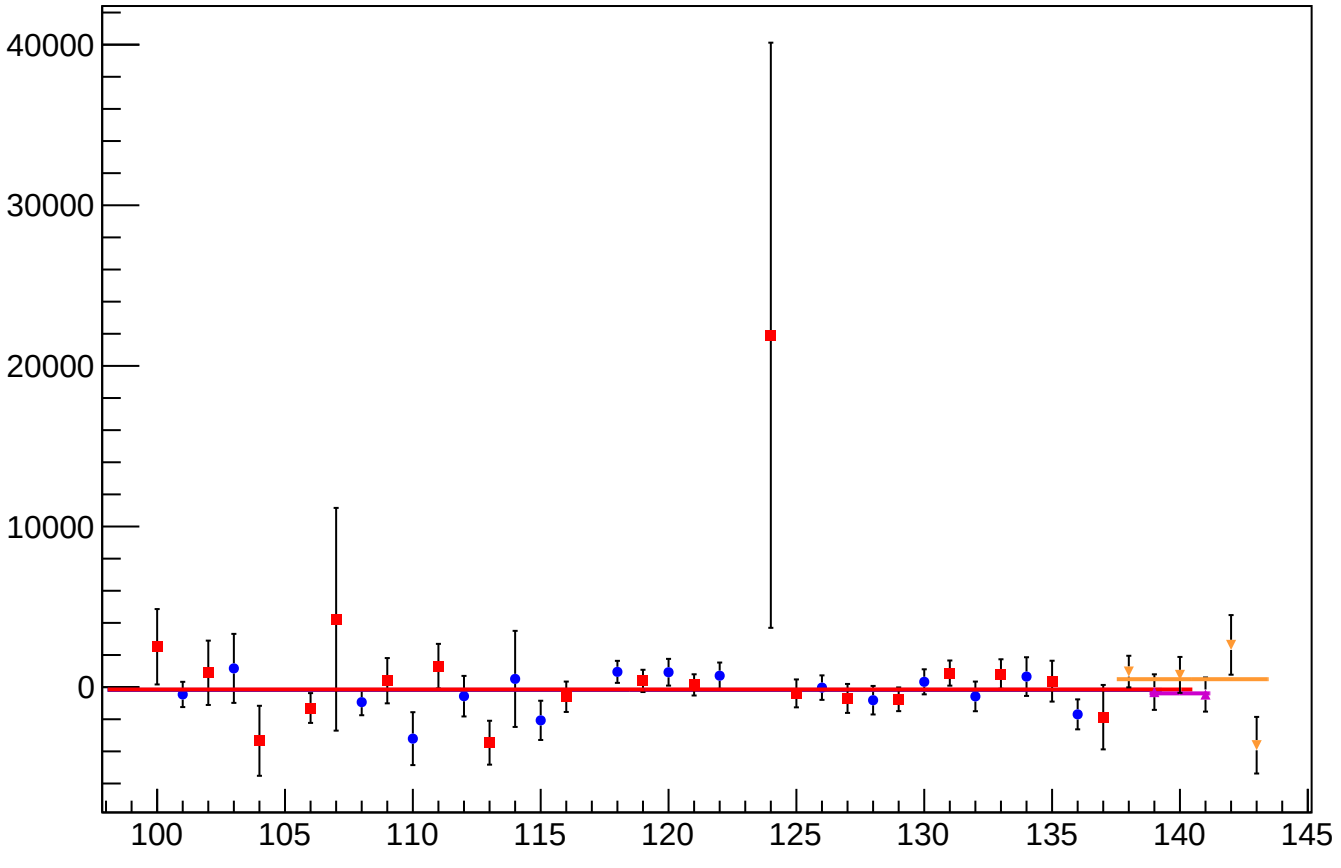
Left: 1687.620+/-0.560 χ^2/NDF: 126504.1/5

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1928.526+/-0.464 χ^2/NDF:659484.2/17

Out: 1844.320+/-0.415 χ^2/NDF:607372.9/22

All: 1881.720+/-0.309 χ^2/NDF: 1285177.9/40



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 495.074+/-639.401 χ^2/NDF:7.1/3

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -388.220+/-766.579 χ^2/NDF:0.0/1

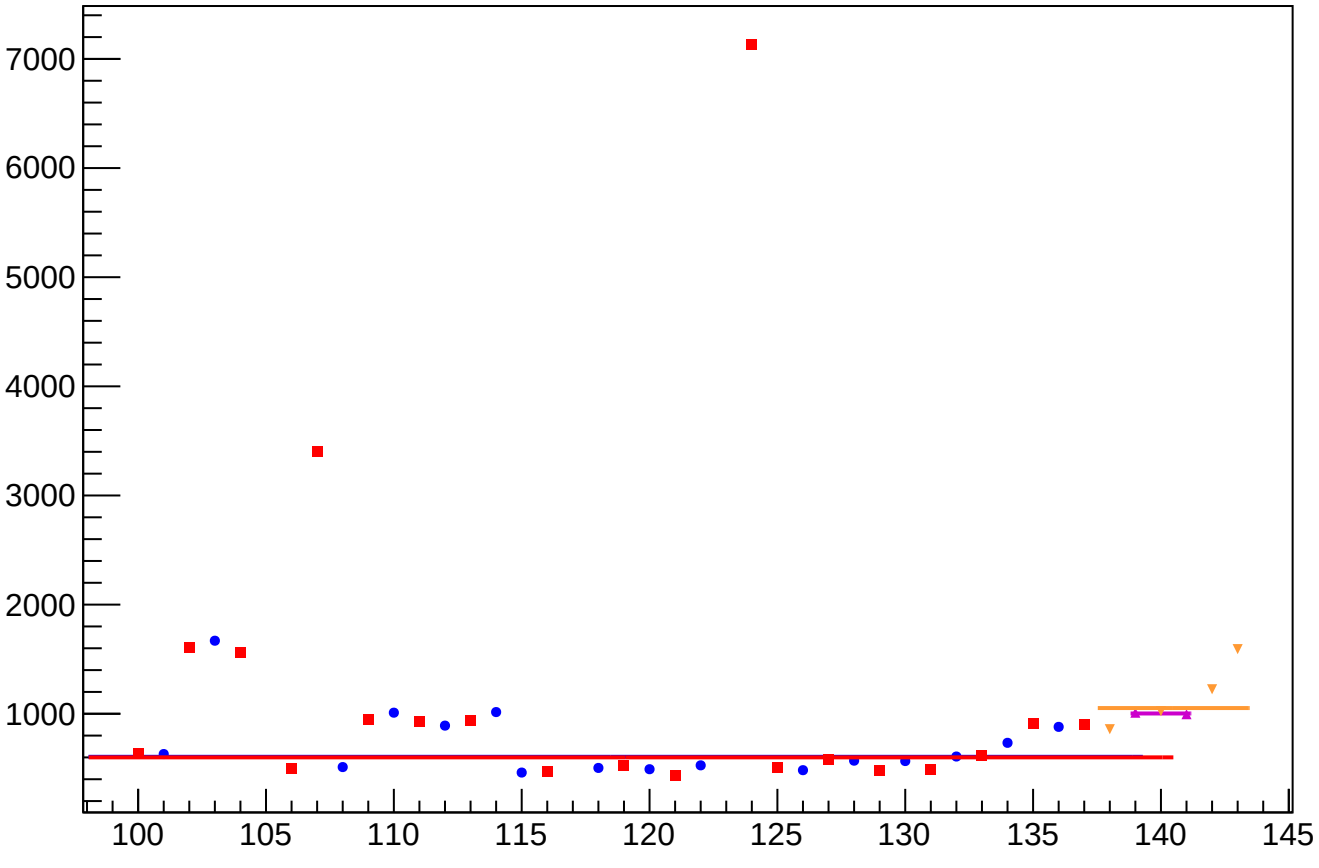
Left: 132.676+/-491.017 χ^2/NDF: 7.8/5

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -189.732+/-226.349 χ^2/NDF:17.3/17

Out: -66.484+/-227.025 χ^2/NDF:28.0/22

All: -128.292+/-160.291 χ^2/NDF: 45.5/40



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 1052.201+/-0.452 χ^2/NDF:283951.4/3

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: 1031.833+/-0.347 χ^2/NDF: 289059.0/5

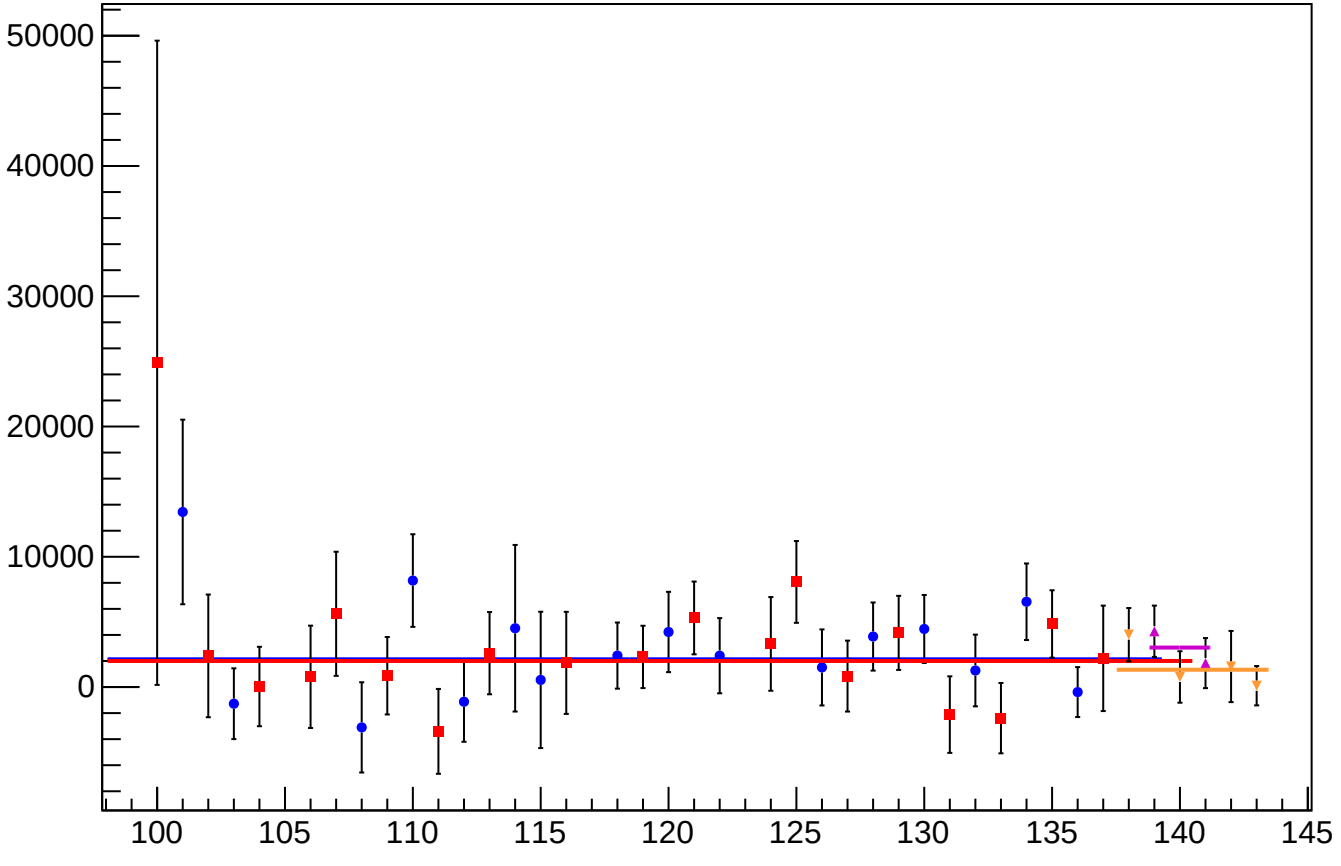
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 640.053+/-0.160 χ^2/NDF:1652570.8/17

Out: 657.398+/-0.161 χ^2/NDF:3484976.5/22

All: 648.700+/-0.113 χ^2/NDF: 5143401.6/40

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1328.166+/-967.377 χ^2/NDF:2.5/3

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 3030.412+/-1375.592 χ^2/NDF:0.8/1

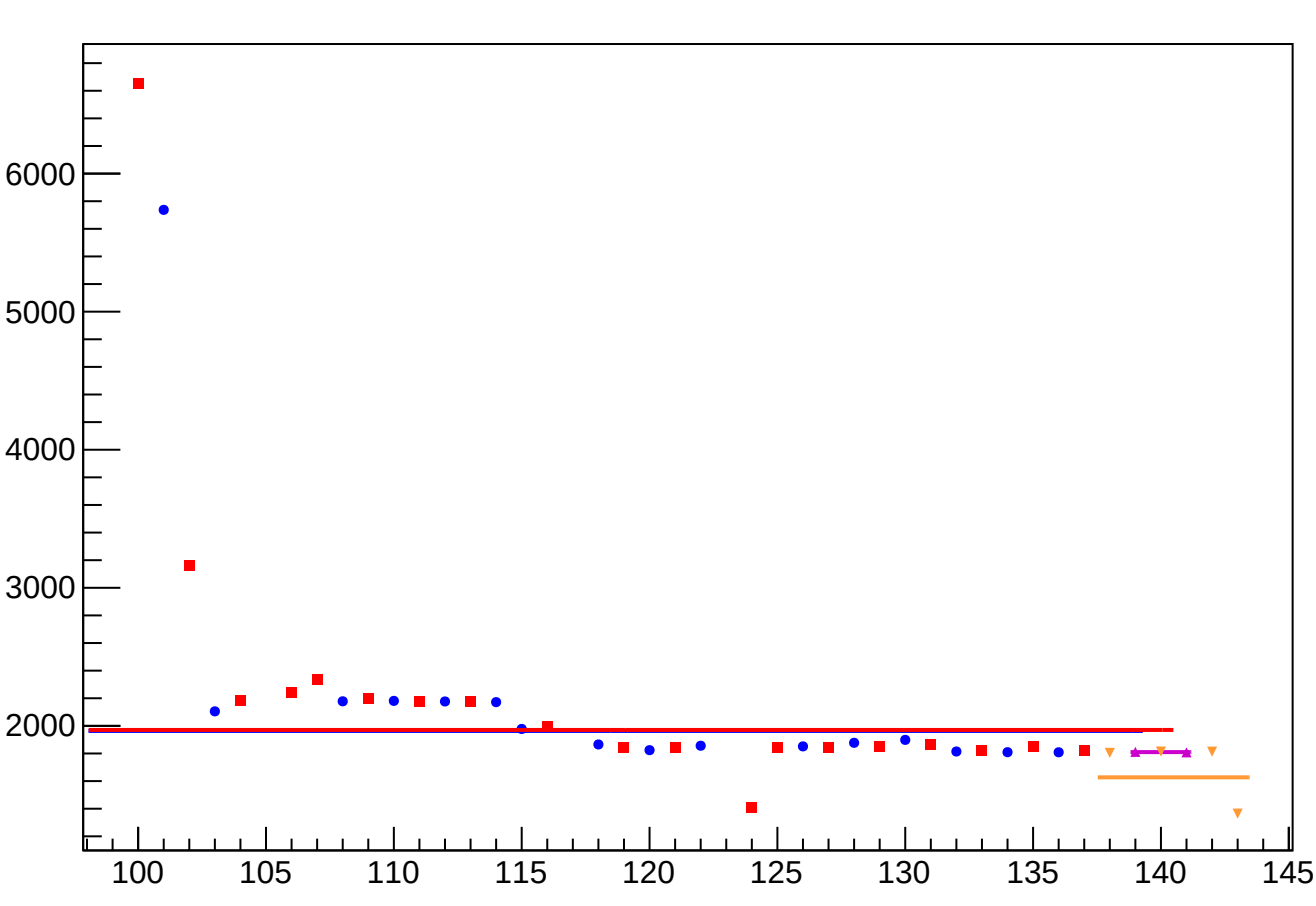
Left: 1891.445+/-791.298 χ^2/NDF: 4.3/5

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2333.765+/-655.939 χ^2/NDF:17.6/17

Out: 1754.585+/-586.346 χ^2/NDF:19.5/22

All: 2011.830+/-437.150 χ^2/NDF: 37.6/40



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1627.110+/-0.684 χ^2/NDF:102852.6/3

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: 1687.620+/-0.560 χ^2/NDF: 126504.1/5

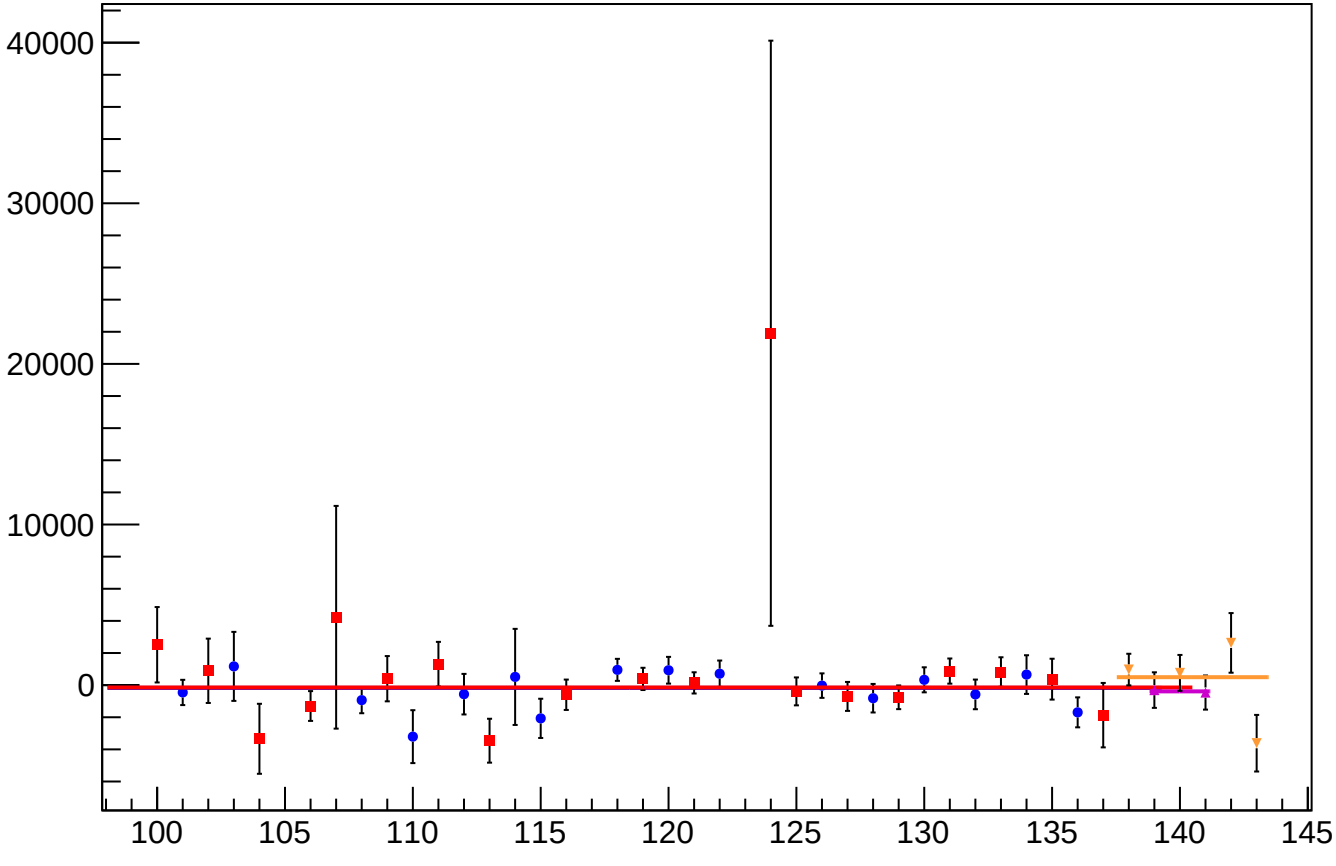
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1928.526+/-0.464 χ^2/NDF:659483.8/17

Out: 1844.320+/-0.415 χ^2/NDF:607371.4/22

All: 1881.720+/-0.309 χ^2/NDF: 1285176.0/40

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: 495.075+/-639.402 χ^2/NDF:7.1/3

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: 132.676+/-491.018 χ^2/NDF: 7.8/5

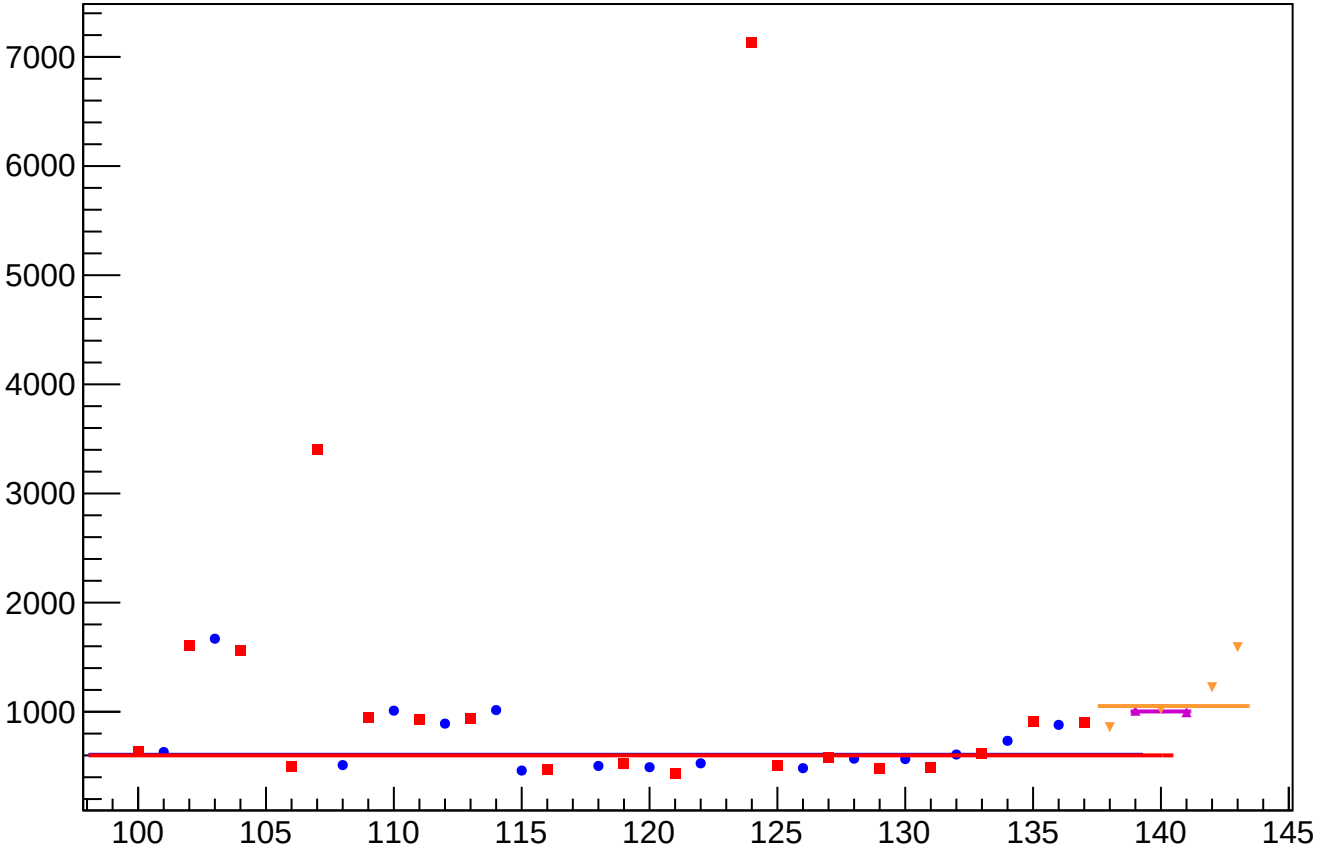
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -189.731+/-226.349 χ^2/NDF:17.3/17

Out: -66.483+/-227.025 χ^2/NDF:28.0/22

All: -128.291+/-160.291 χ^2/NDF: 45.5/40

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: 1052.202+/-0.452 χ^2/NDF:283951.8/3

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: 1031.833+/-0.347 χ^2/NDF: 289059.4/5

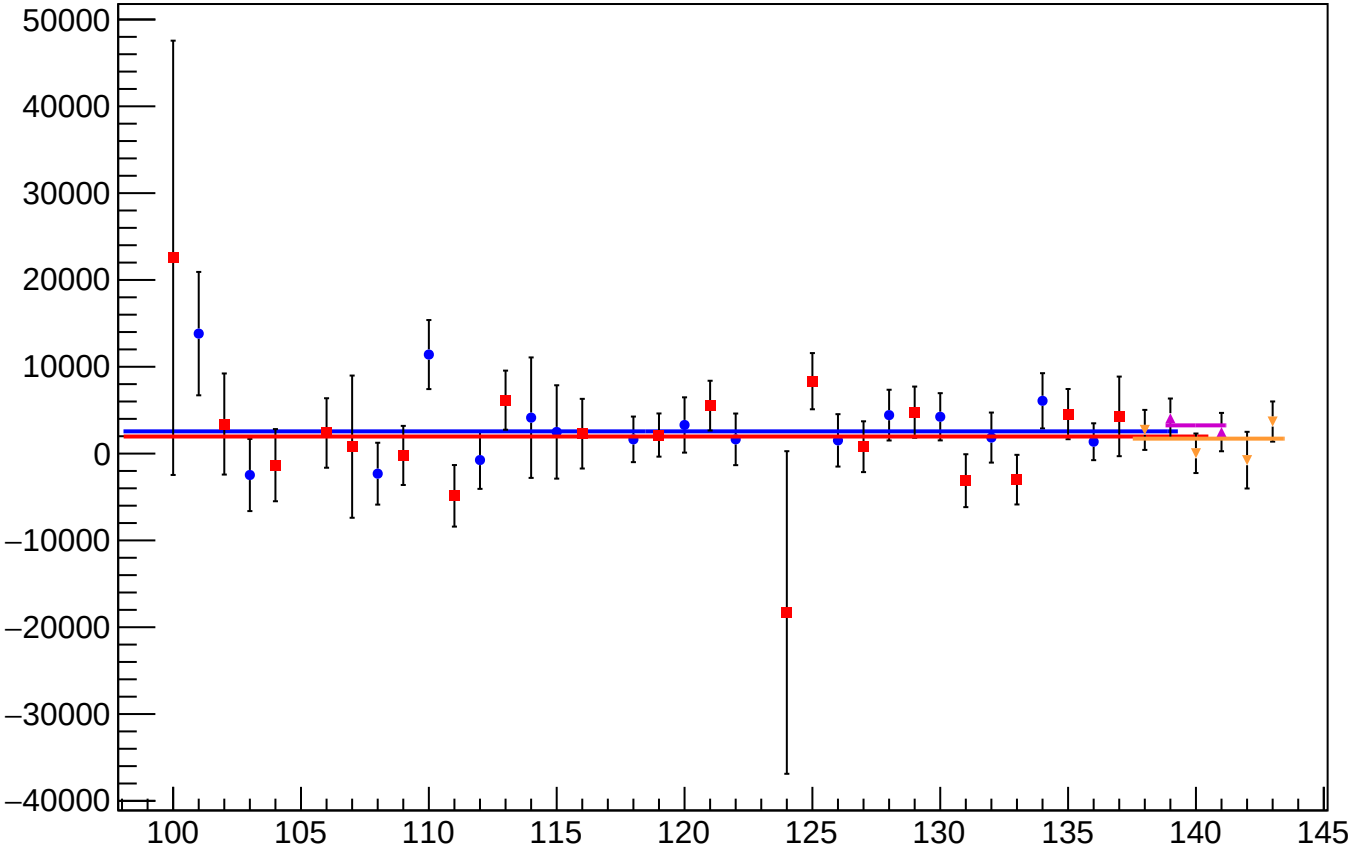
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 640.052+/-0.160 χ^2/NDF:1652582.5/17

Out: 657.397+/-0.161 χ^2/NDF:3484989.5/22

All: 648.699+/-0.113 χ^2/NDF: 5143426.4/40

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1721.428+/-1228.858 χ^2/NDF:2.0/3

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: 2295.959+/-971.003 χ^2/NDF: 2.9/5

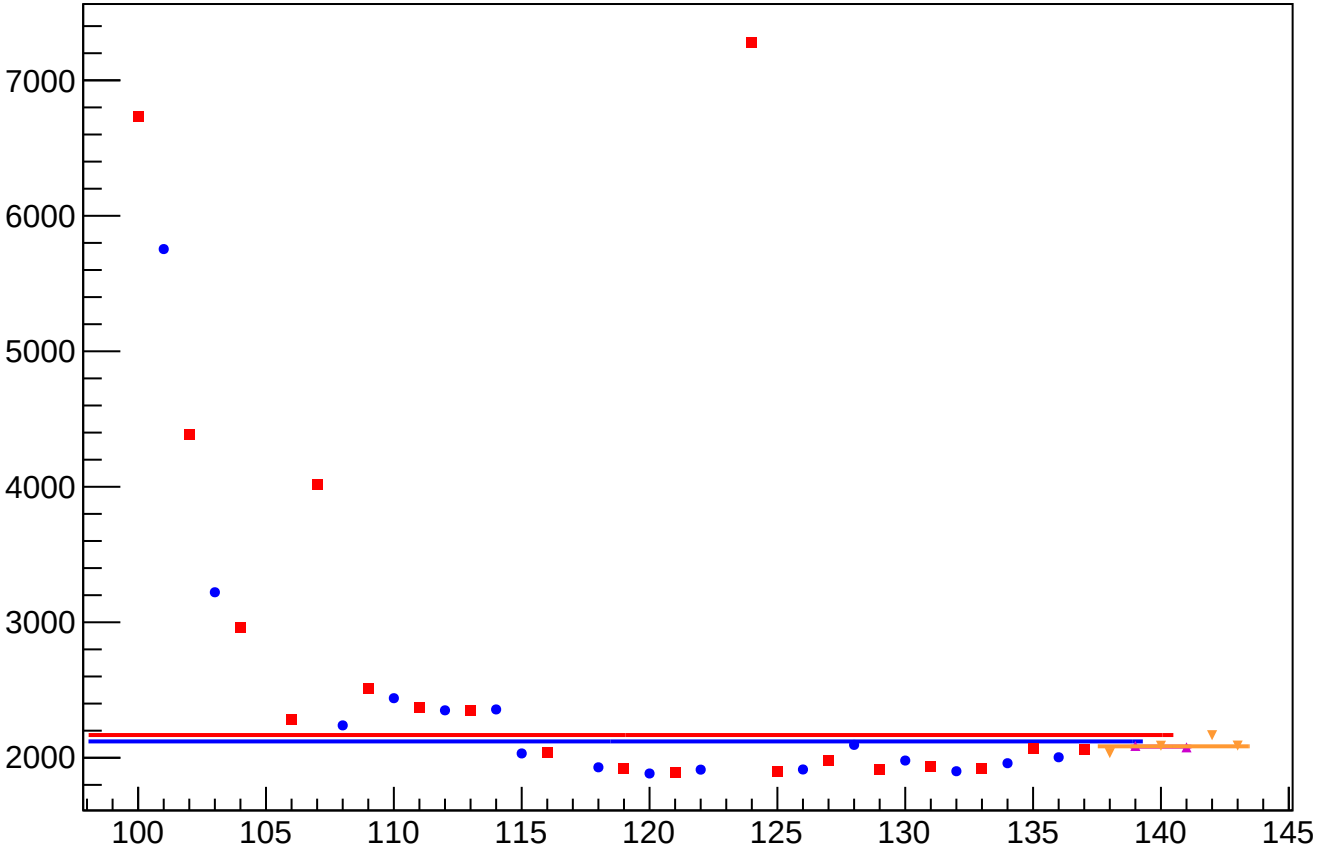
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2703.850+/-720.965 χ^2/NDF:15.0/17

Out: 1891.304+/-681.418 χ^2/NDF:23.7/22

All: 2274.681+/-495.226 χ^2/NDF: 39.3/40

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2084.571+/-0.869 χ^2/NDF:2225.3/3

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2082.264+/-1.120 χ^2/NDF:21.5/1

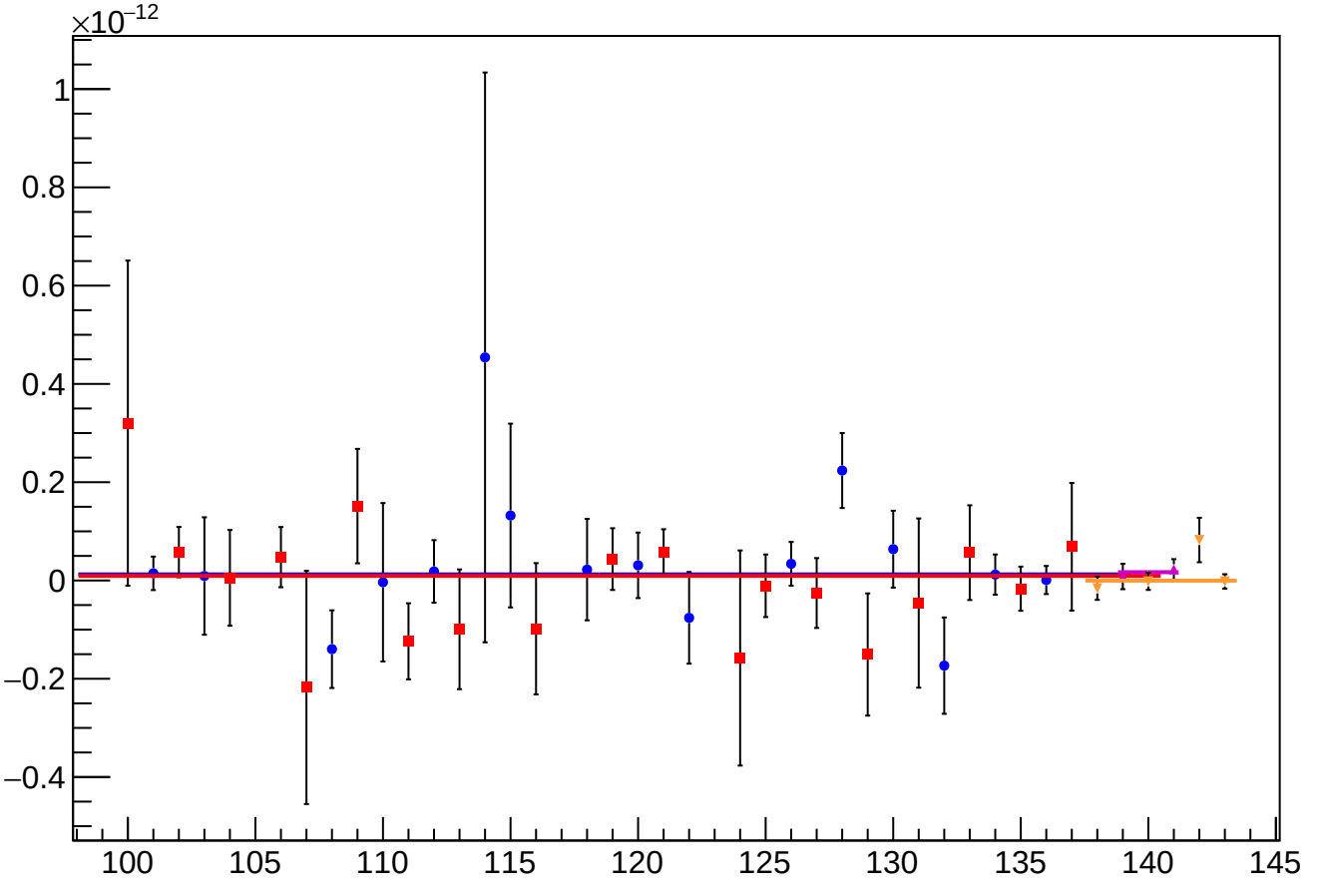
Left: 2083.704+/-0.687 χ^2/NDF: 2249.5/5

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2112.802+/-0.510 χ^2/NDF:760927.8/17

Out: 2142.236+/-0.482 χ^2/NDF:832510.3/22

All: 2128.348+/-0.350 χ^2/NDF: 1595198.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

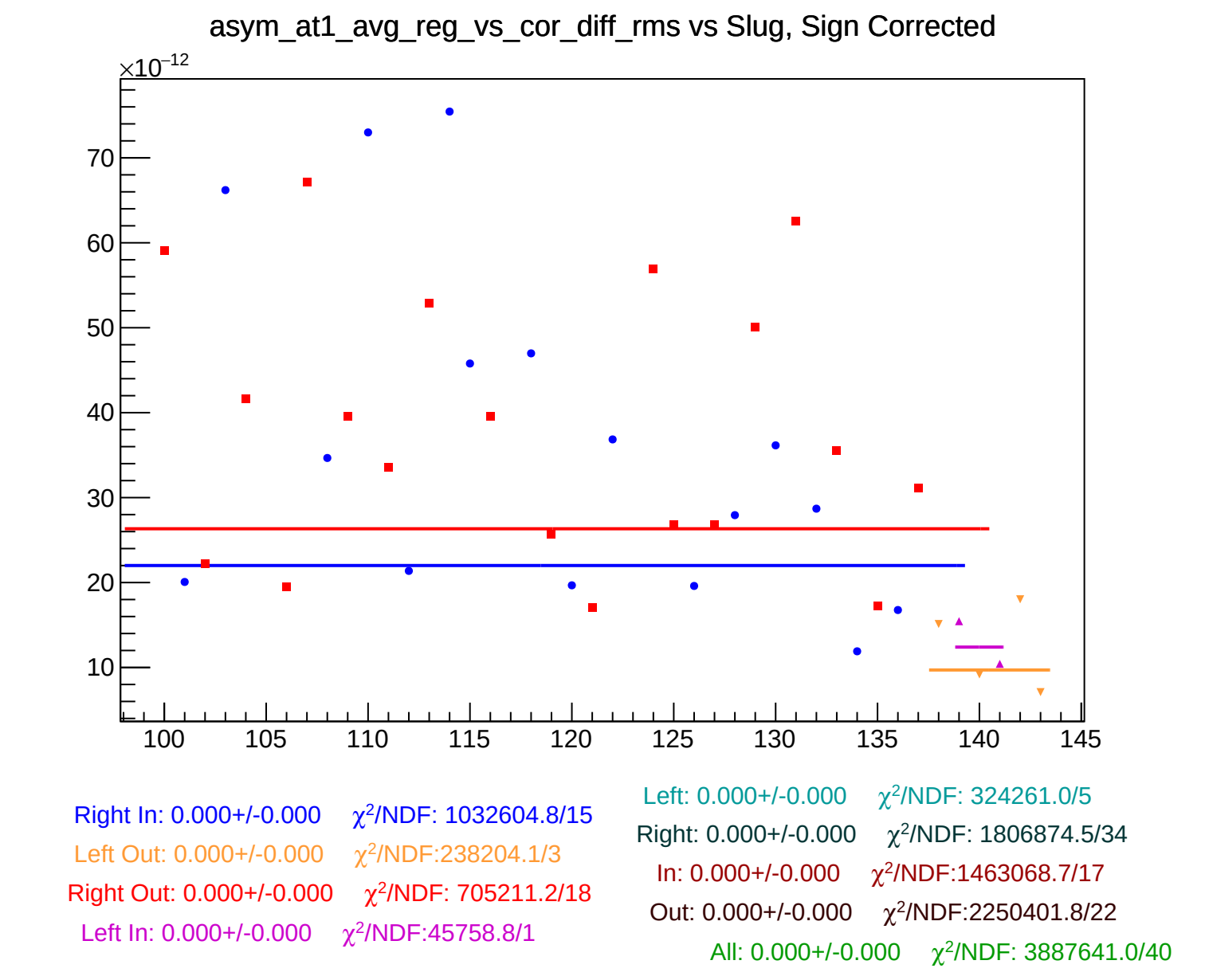
Left: 0.000+/-0.000 χ^2/NDF: 4.8/5

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:17.8/22

All: 0.000+/-0.000 χ^2/NDF: 36.6/40


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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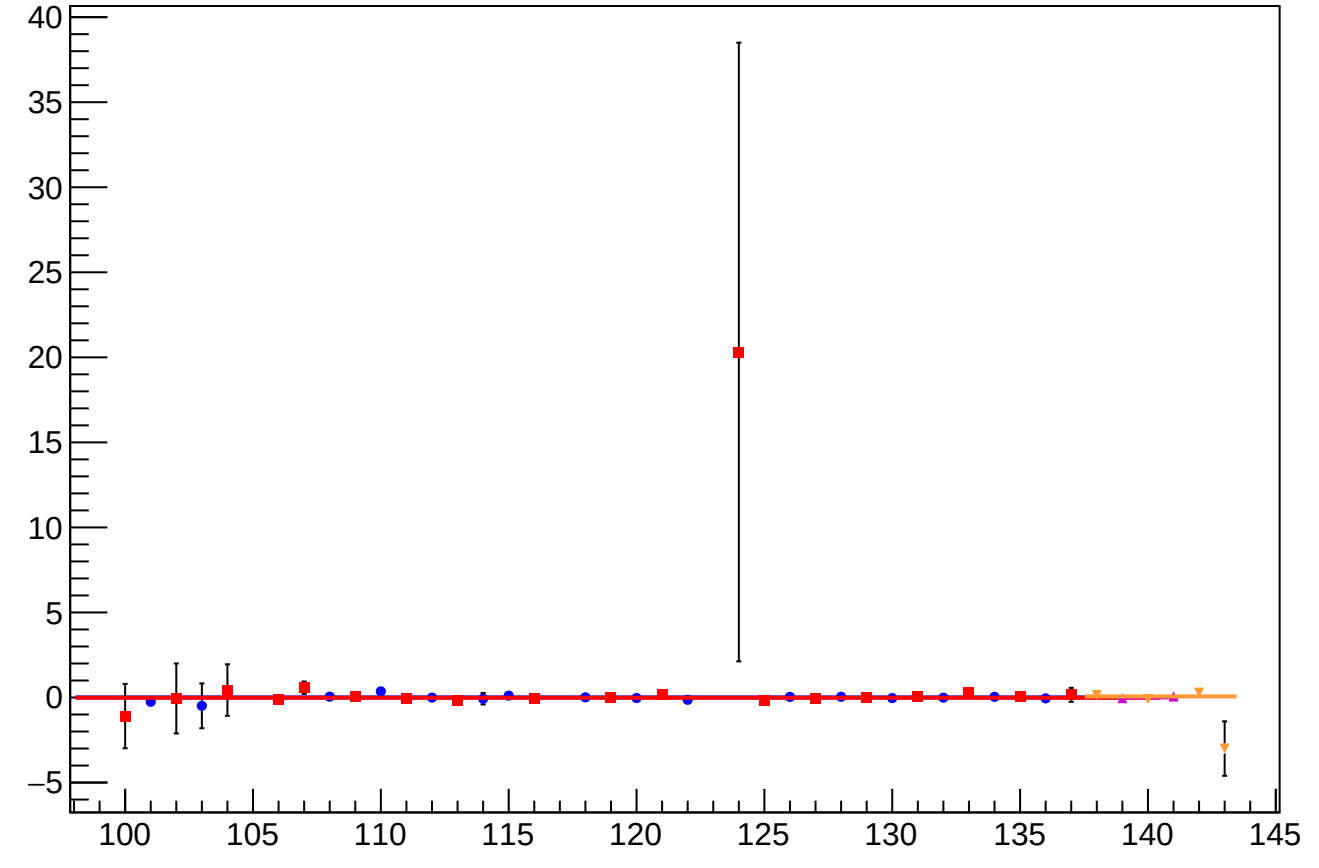
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:238204.1/3
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:45758.8/1
Left: 0.000+/-0.000 χ²/NDF: 324261.0/5
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:1463068.7/17
Out: 0.000+/-0.000 χ²/NDF:2250401.8/22
All: 0.000+/-0.000 χ²/NDF: 3887641.0/40



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

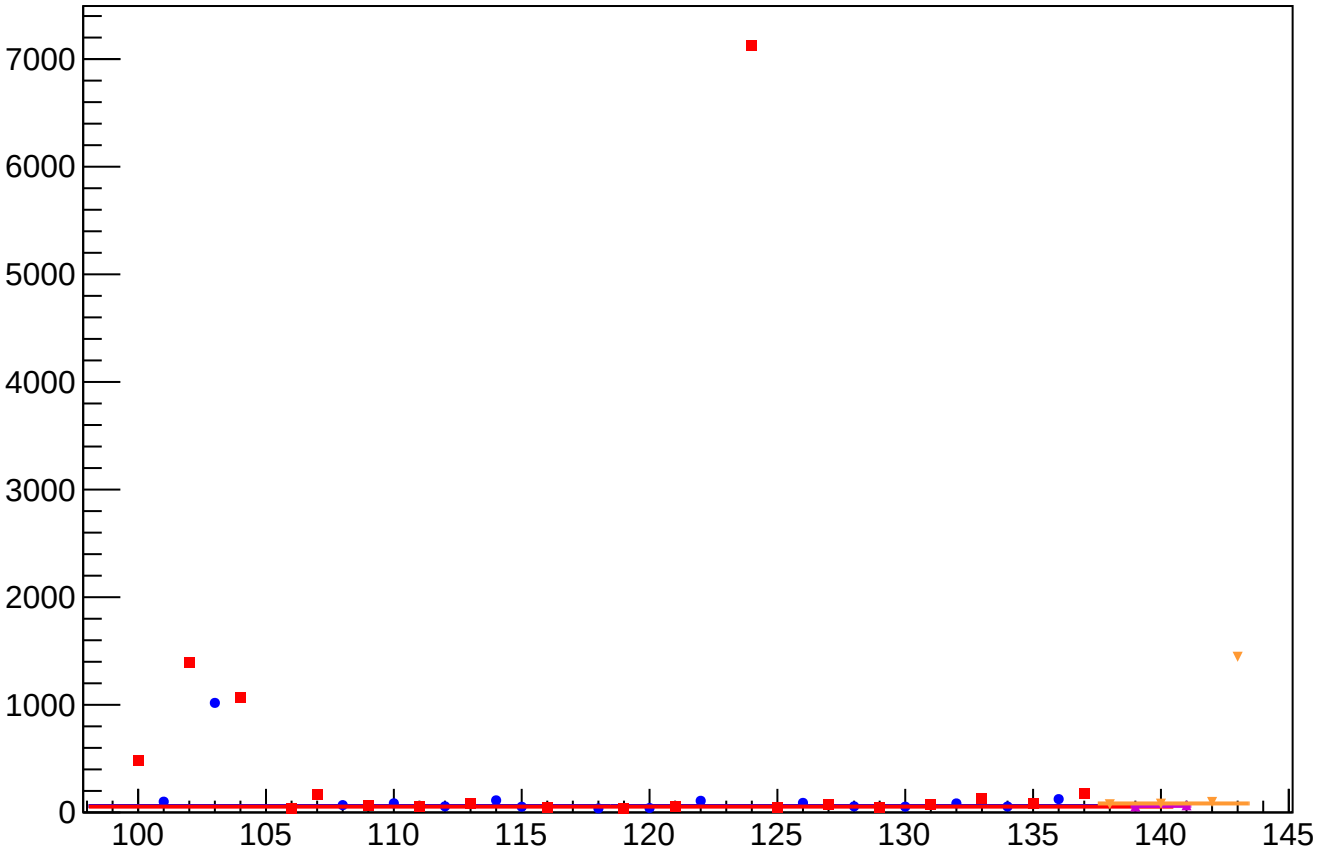
Left: 0.029+/-0.039 χ^2/NDF: 10.7/5

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/40



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 83.625+/-0.043 χ^2/NDF:1480152.2/3

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 61.013+/-0.036 χ^2/NDF:21252.9/1

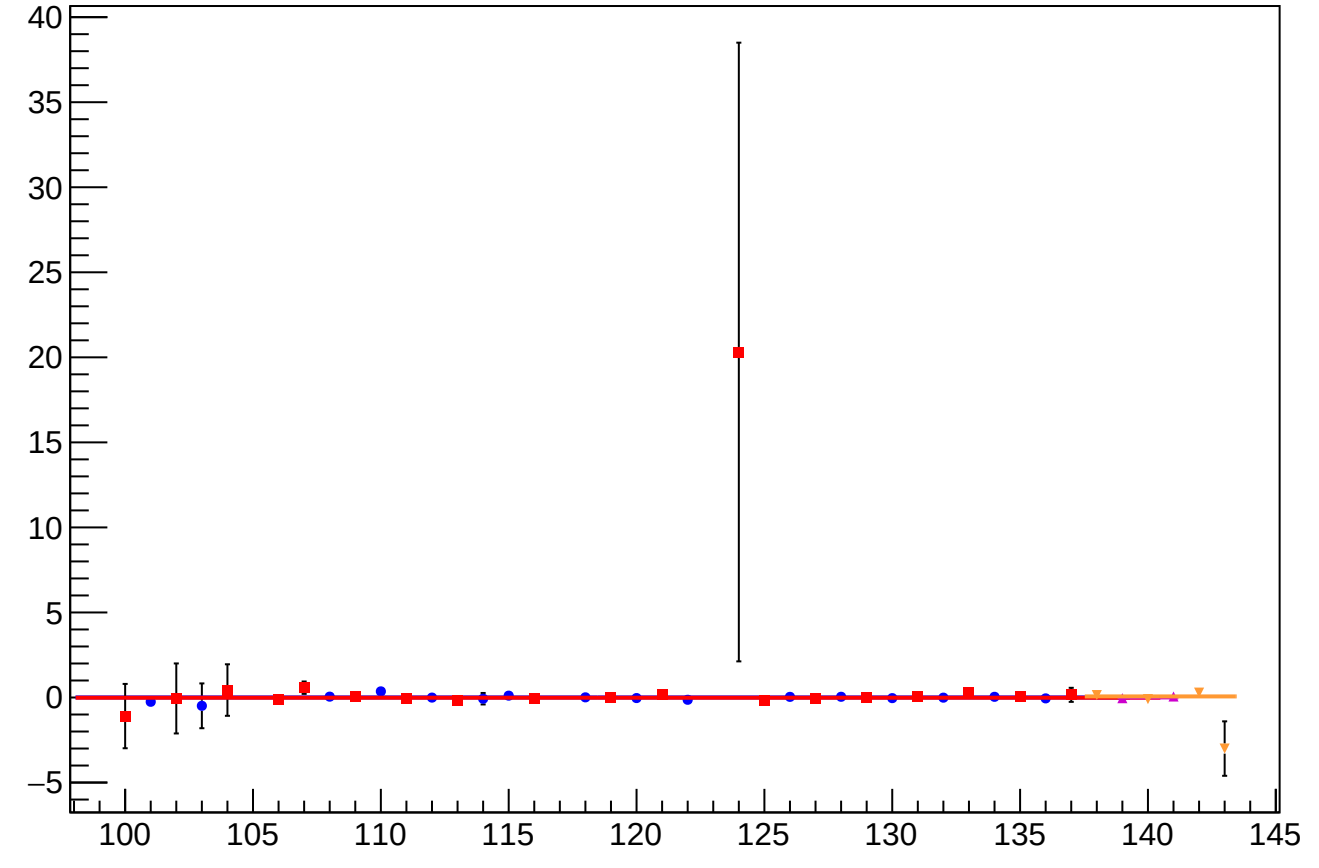
Left: 70.183+/-0.028 χ^2/NDF: 1663242.8/5

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.095+/-0.017 χ^2/NDF:2560960.1/17

Out: 58.674+/-0.017 χ^2/NDF:5392003.6/22

All: 59.389+/-0.012 χ^2/NDF: 7956558.6/40



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

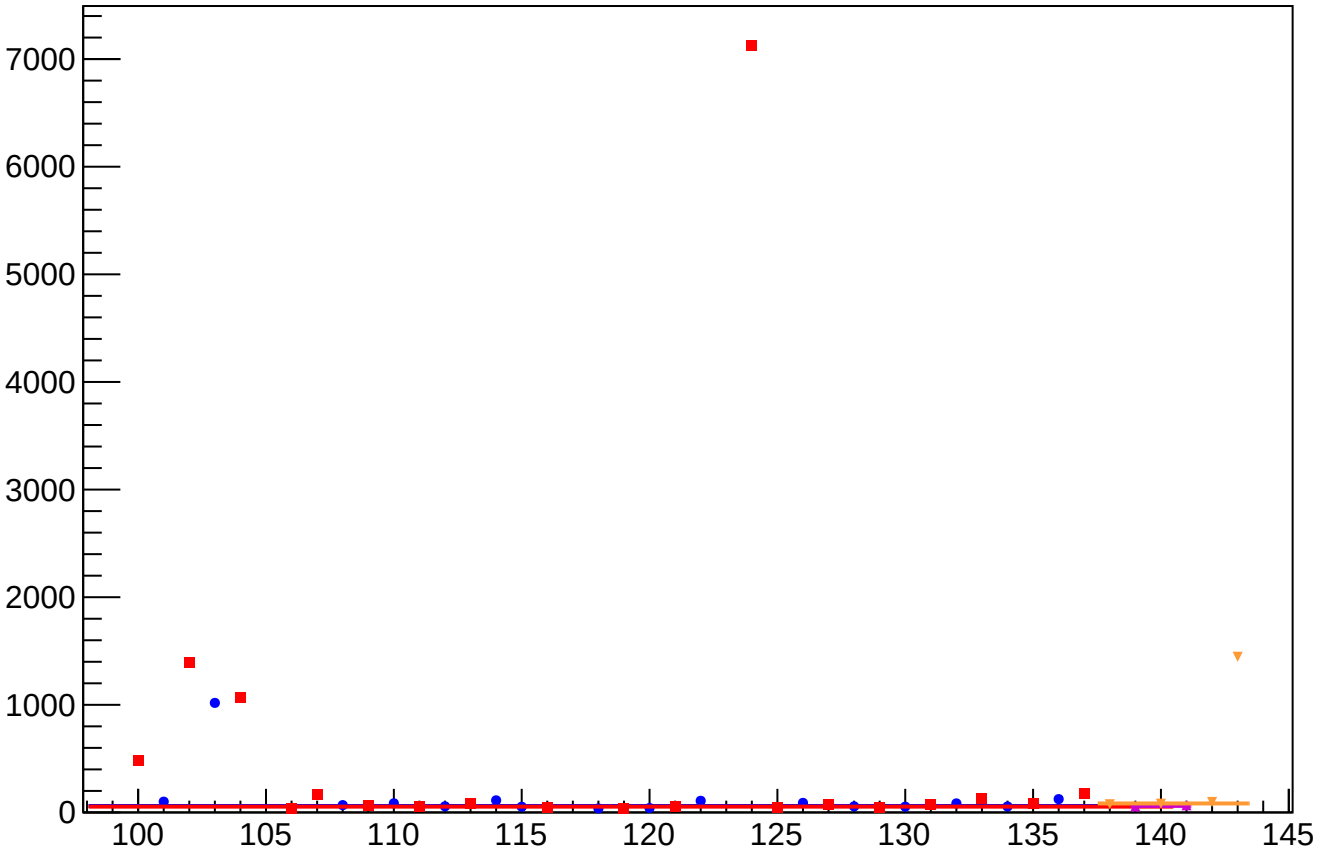
Left: 0.029+/-0.039 χ^2/NDF: 10.7/5

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/40



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 83.625+/-0.043 χ^2/NDF:1480152.2/3

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 61.013+/-0.036 χ^2/NDF:21252.9/1

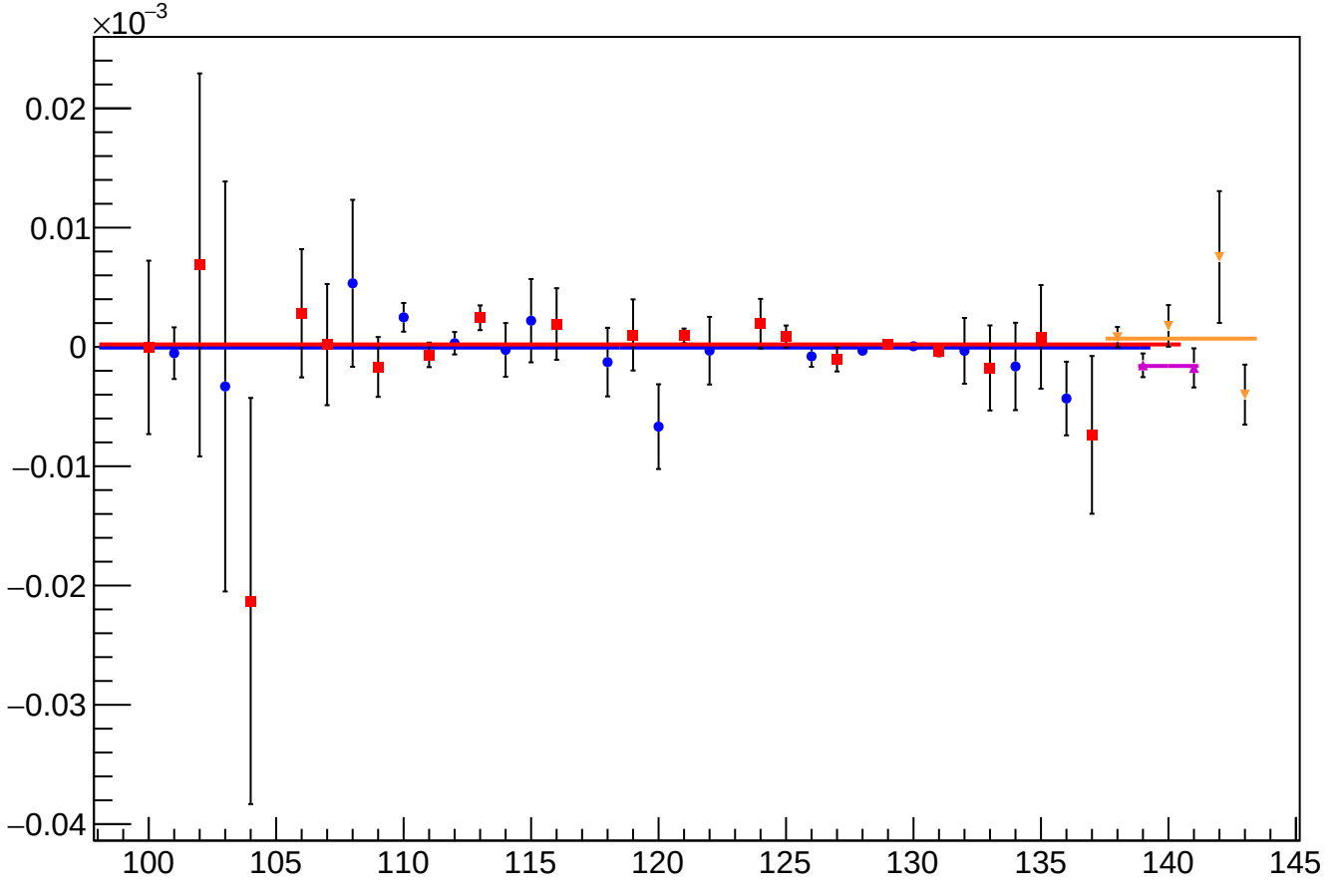
Left: 70.183+/-0.028 χ^2/NDF: 1663242.8/5

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.095+/-0.017 χ^2/NDF:2560960.1/17

Out: 58.674+/-0.017 χ^2/NDF:5392003.6/22

All: 59.389+/-0.012 χ^2/NDF: 7956558.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/3

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: 9.6/5

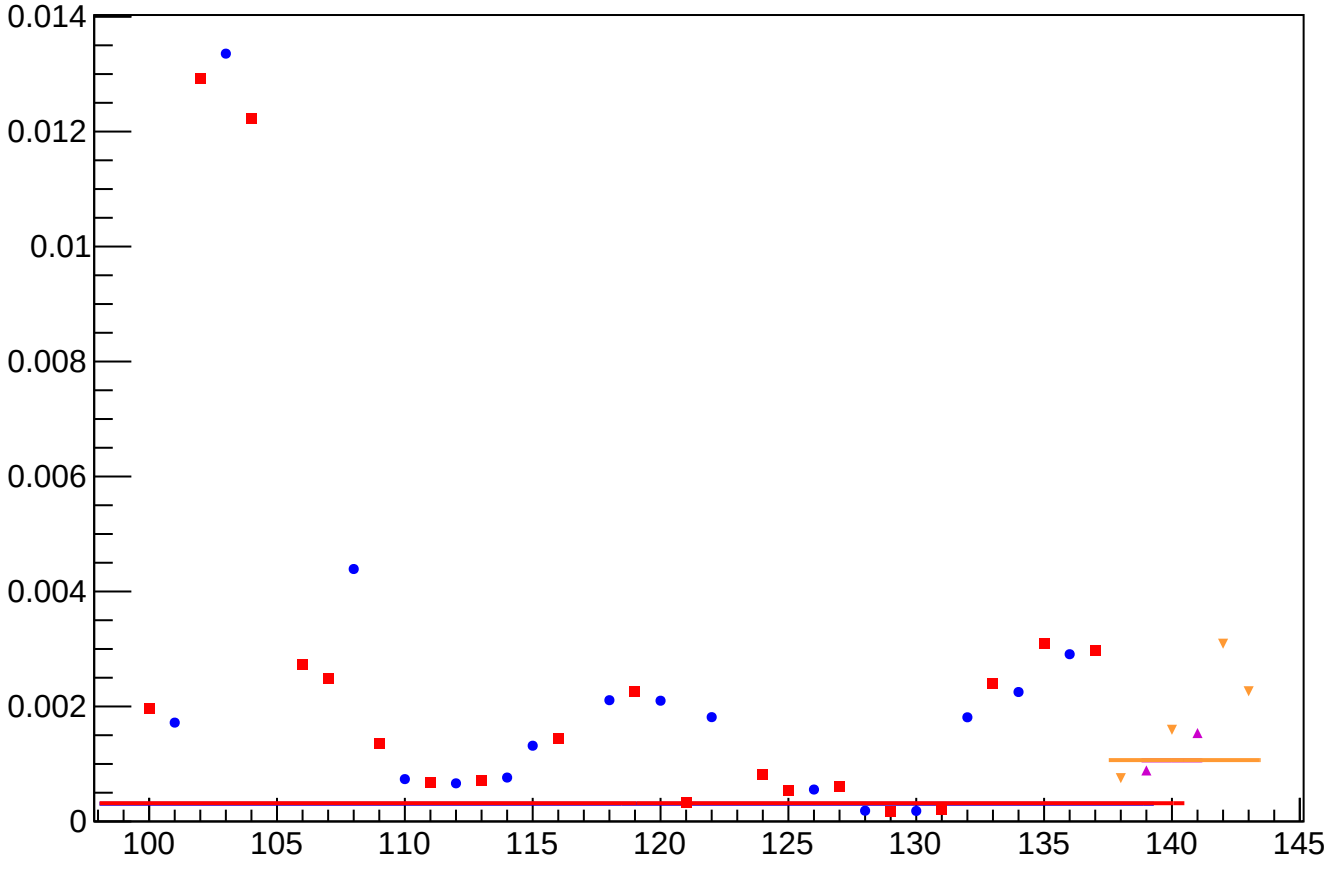
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:16.0/17

Out: 0.000+/-0.000 χ^2/NDF:21.5/22

All: 0.000+/-0.000 χ^2/NDF: 39.4/40

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:1173280.9/3

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: 1403558.3/5

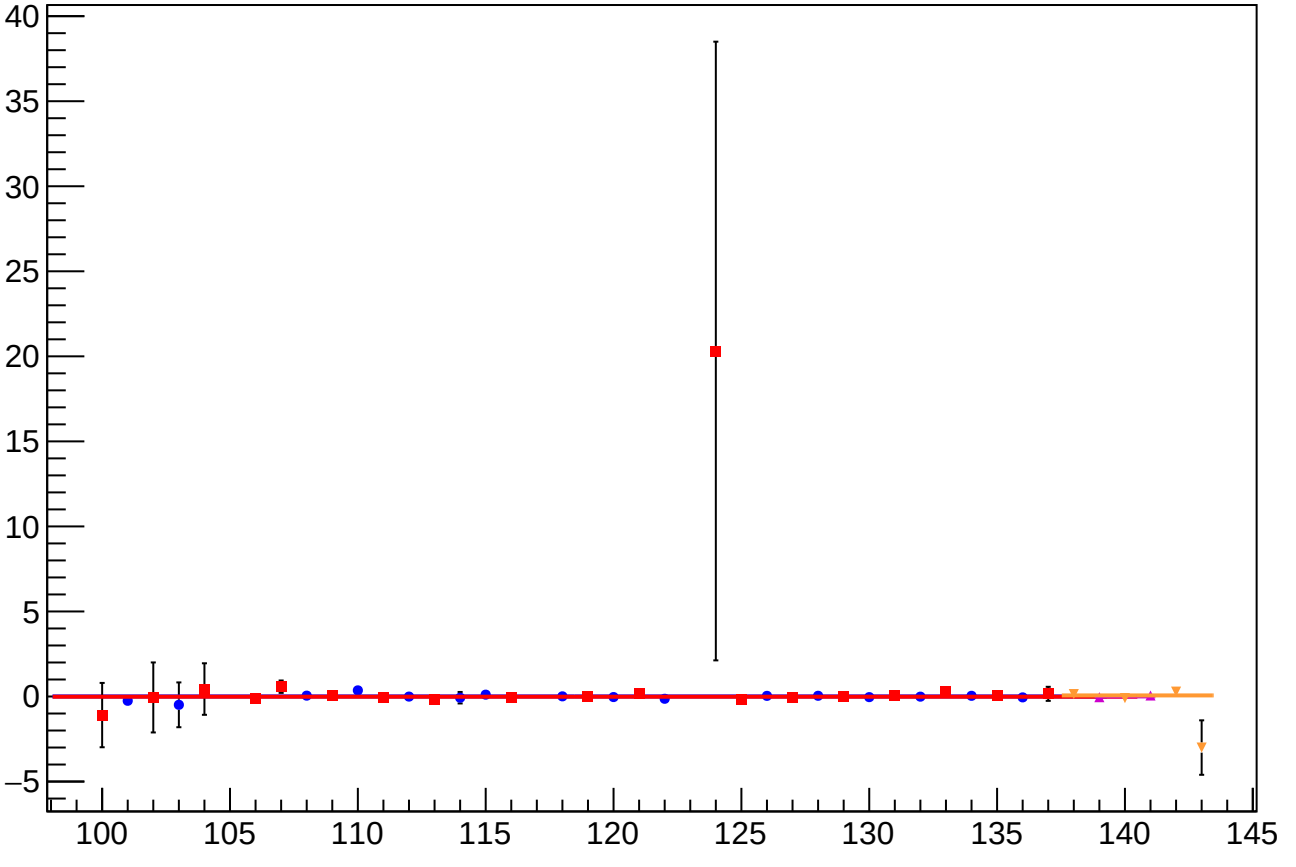
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:10482533.7/17

Out: 0.000+/-0.000 χ^2/NDF:11169396.1/22

All: 0.000+/-0.000 χ^2/NDF: 21664253.9/40

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: 0.064+/-0.061 χ^2/NDF:9.2/3

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.005+/-0.051 χ^2/NDF:1.0/1

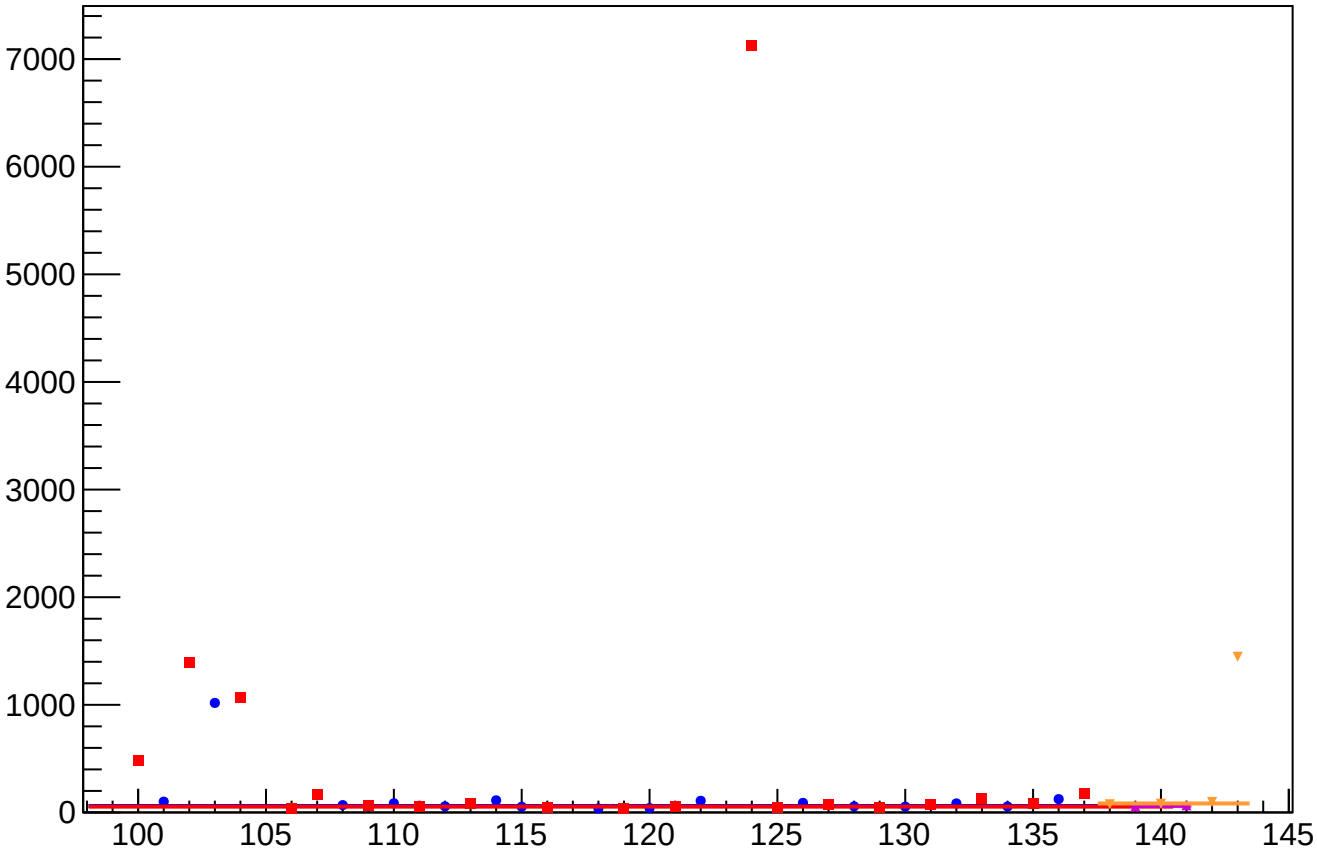
Left: 0.029+/-0.039 χ^2/NDF: 10.7/5

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/40



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 83.625+/-0.043 χ^2/NDF:1480154.0/3

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: 70.183+/-0.028 χ^2/NDF: 1663246.1/5

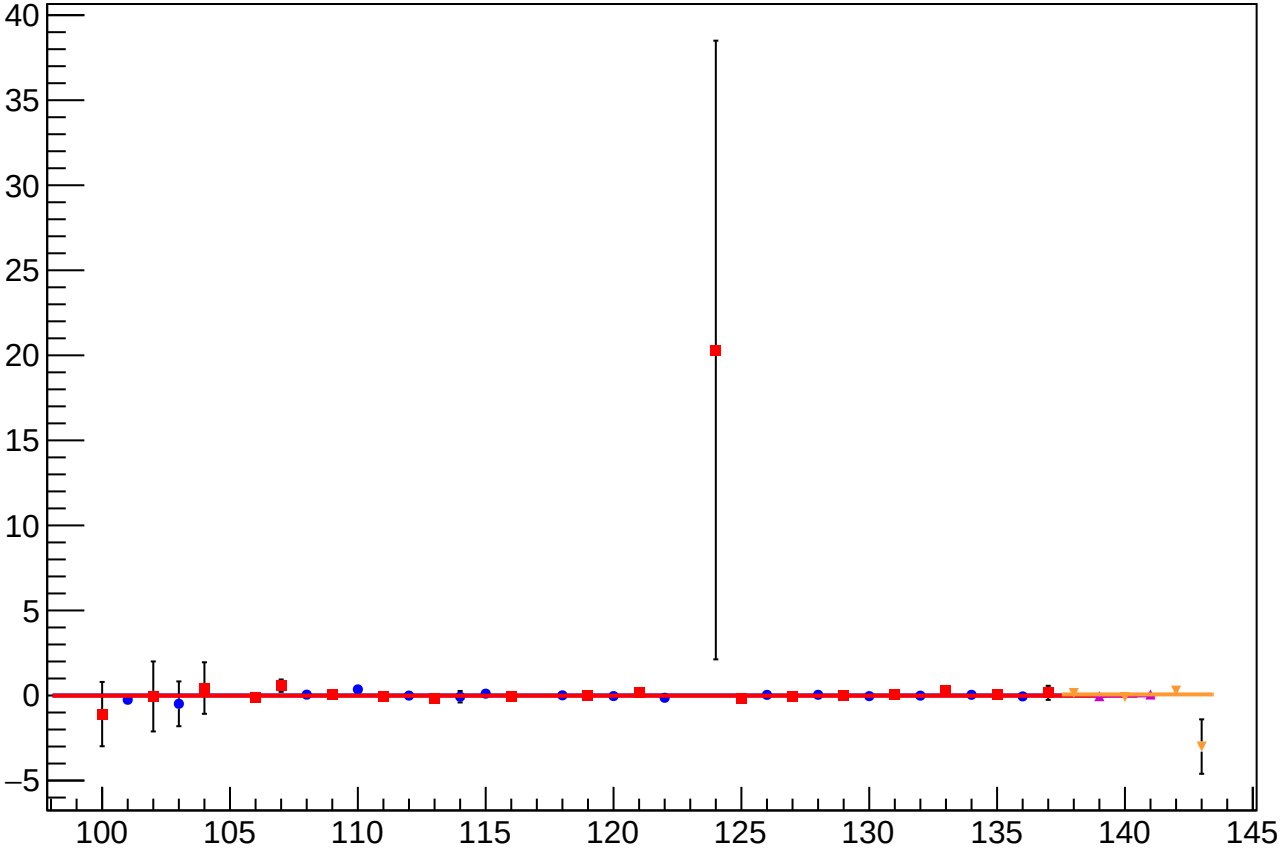
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.095+/-0.017 χ^2/NDF:2560973.7/17

Out: 58.673+/-0.017 χ^2/NDF:5392094.0/22

All: 59.389+/-0.012 χ^2/NDF: 7956666.8/40

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: 0.064+/-0.061 χ^2/NDF:9.2/3

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: 0.029+/-0.039 χ^2/NDF: 10.7/5

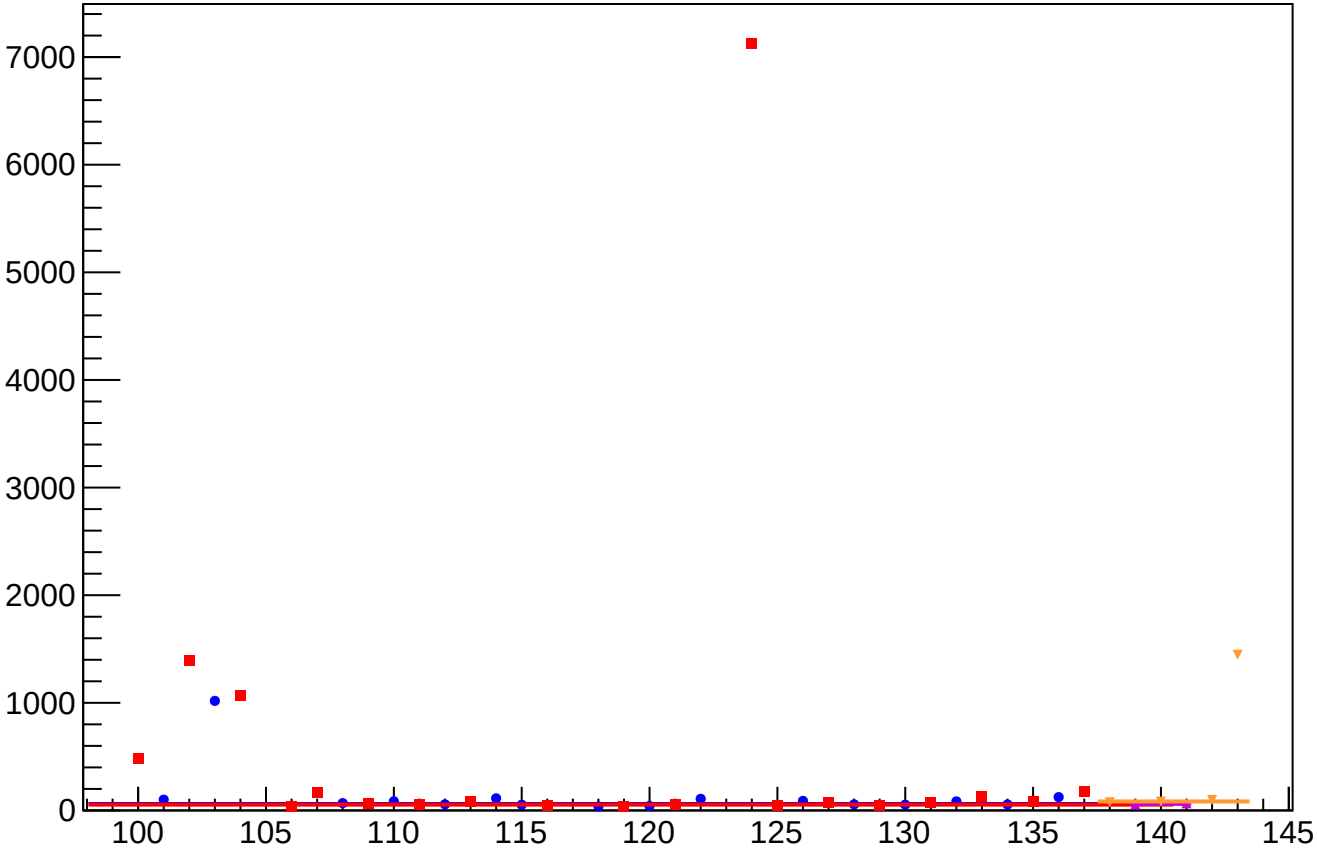
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.004+/-0.024 χ^2/NDF:12.3/17

Out: -0.001+/-0.024 χ^2/NDF:28.1/22

All: 0.001+/-0.017 χ^2/NDF: 40.5/40

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: 83.625+/-0.043 χ^2/NDF:1480154.0/3

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 61.012+/-0.036 χ^2/NDF:21252.6/1

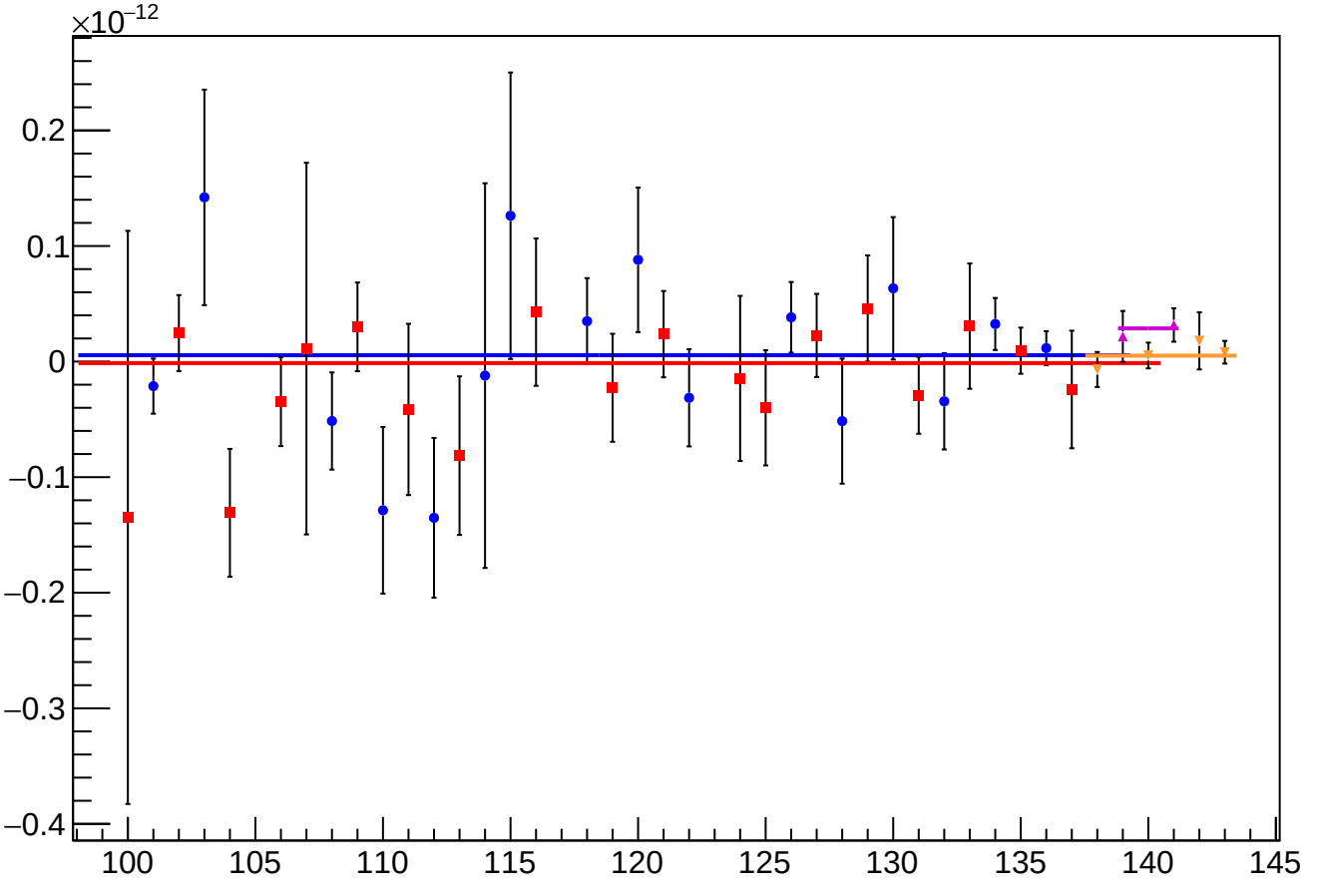
Left: 70.183+/-0.028 χ^2/NDF: 1663246.1/5

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.095+/-0.017 χ^2/NDF:2560973.7/17

Out: 58.673+/-0.017 χ^2/NDF:5392094.0/22

All: 59.389+/-0.012 χ^2/NDF: 7956666.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

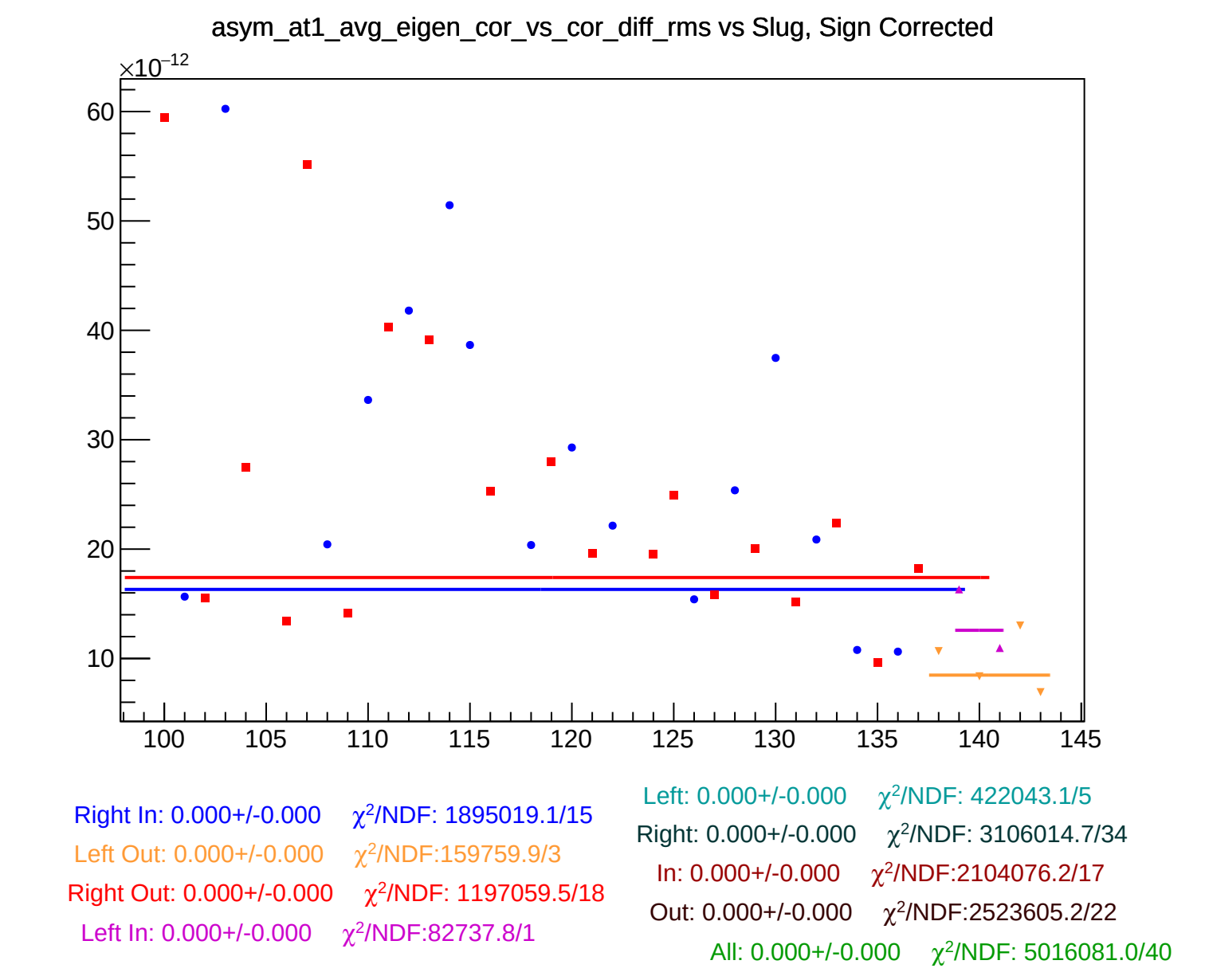
Left: 0.000+/-0.000 χ^2/NDF: 4.1/5

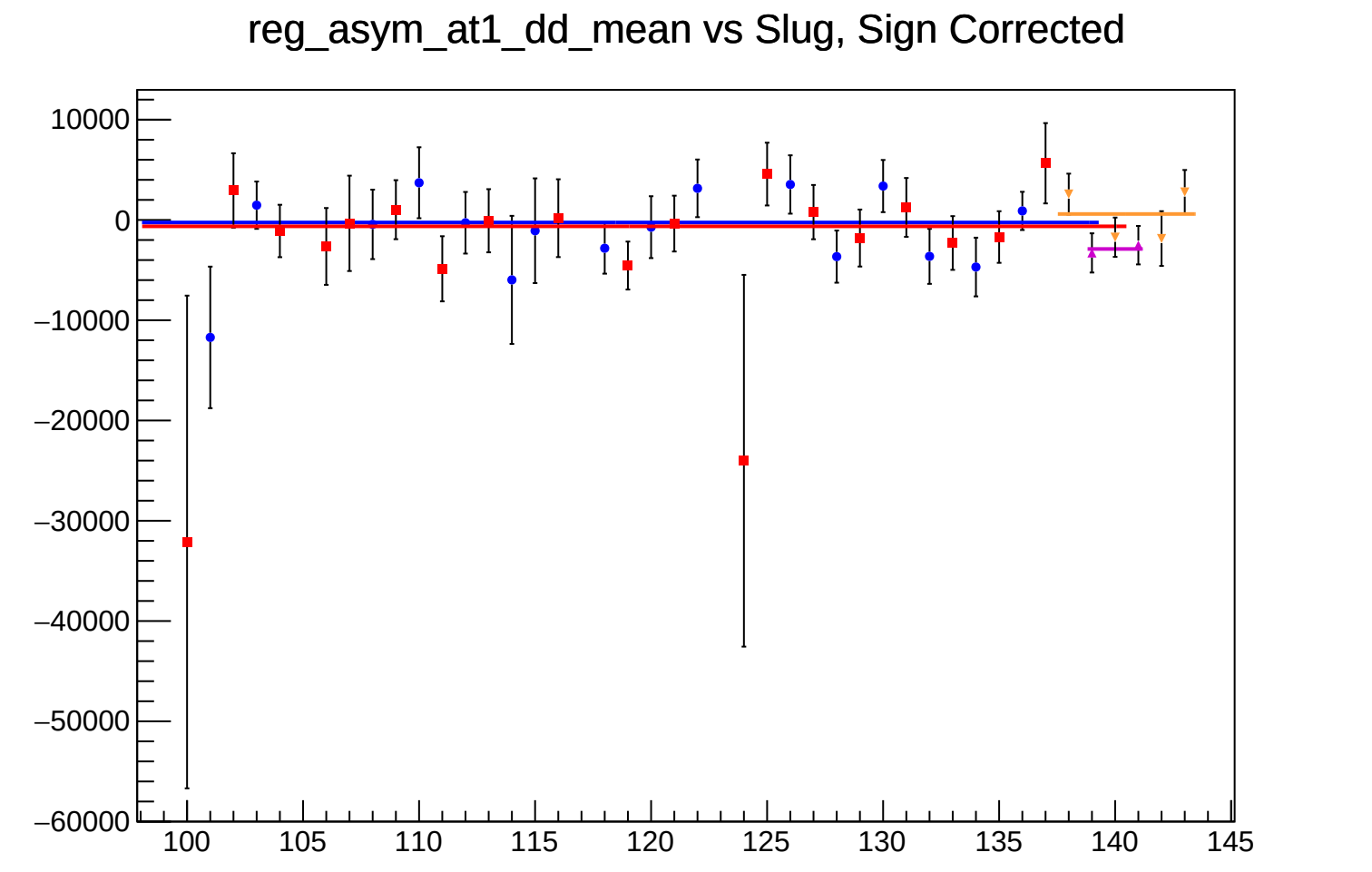
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:25.2/17

Out: 0.000+/-0.000 χ^2/NDF:15.6/22

All: 0.000+/-0.000 χ^2/NDF: 42.1/40


asym_at1_avg_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
145
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:159759.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:82737.8/1
Left: 0.000+/-0.000 χ²/NDF: 422043.1/5
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:2104076.2/17
Out: 0.000+/-0.000 χ²/NDF:2523605.2/22
All: 0.000+/-0.000 χ²/NDF: 5016081.0/40



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 594.640+/-1089.401 χ^2/NDF:4.1/3

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: -758.108+/-852.447 χ^2/NDF: 8.2/5

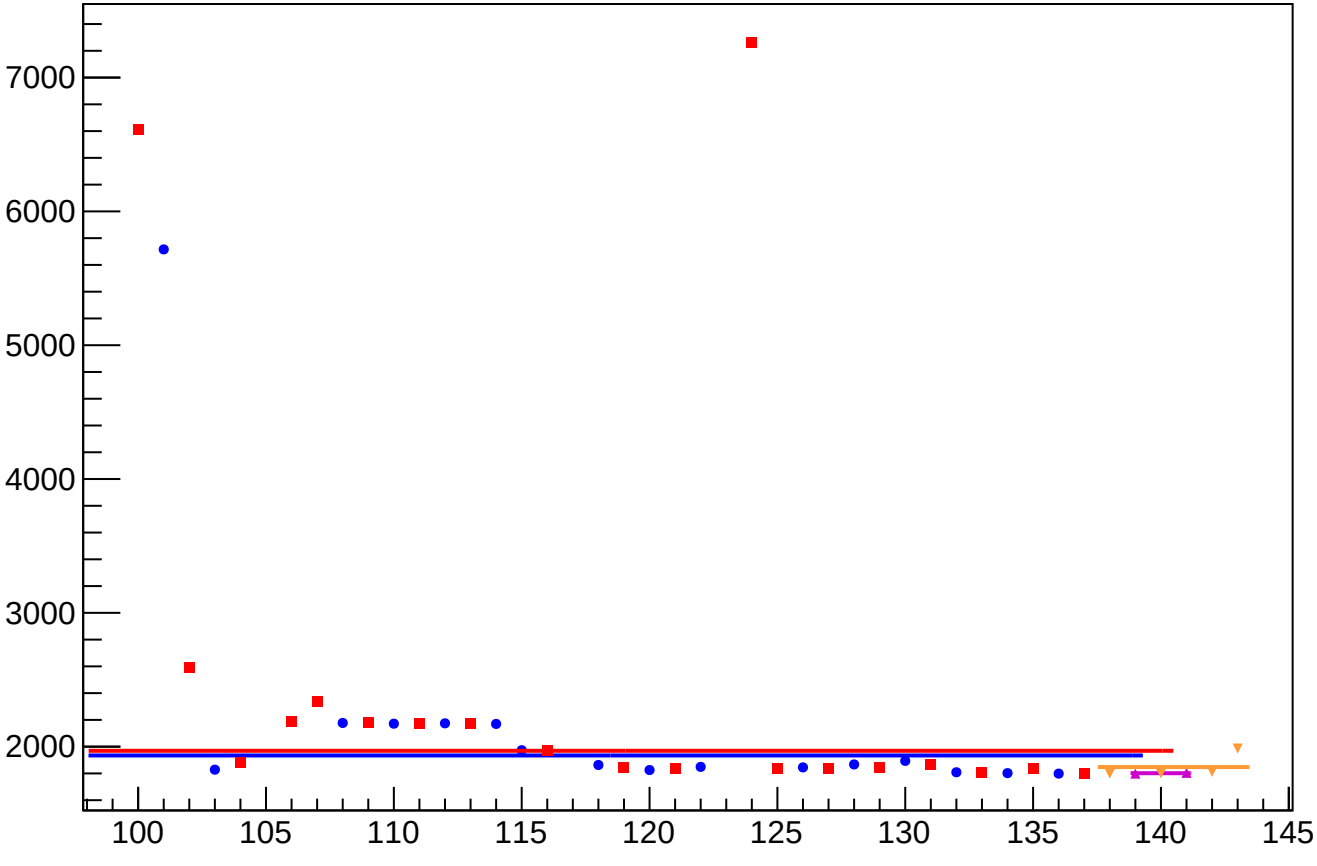
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -842.824+/-647.651 χ^2/NDF:20.2/17

Out: -250.759+/-609.565 χ^2/NDF:20.9/22

All: -528.872+/-443.882 χ^2/NDF: 41.6/40

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

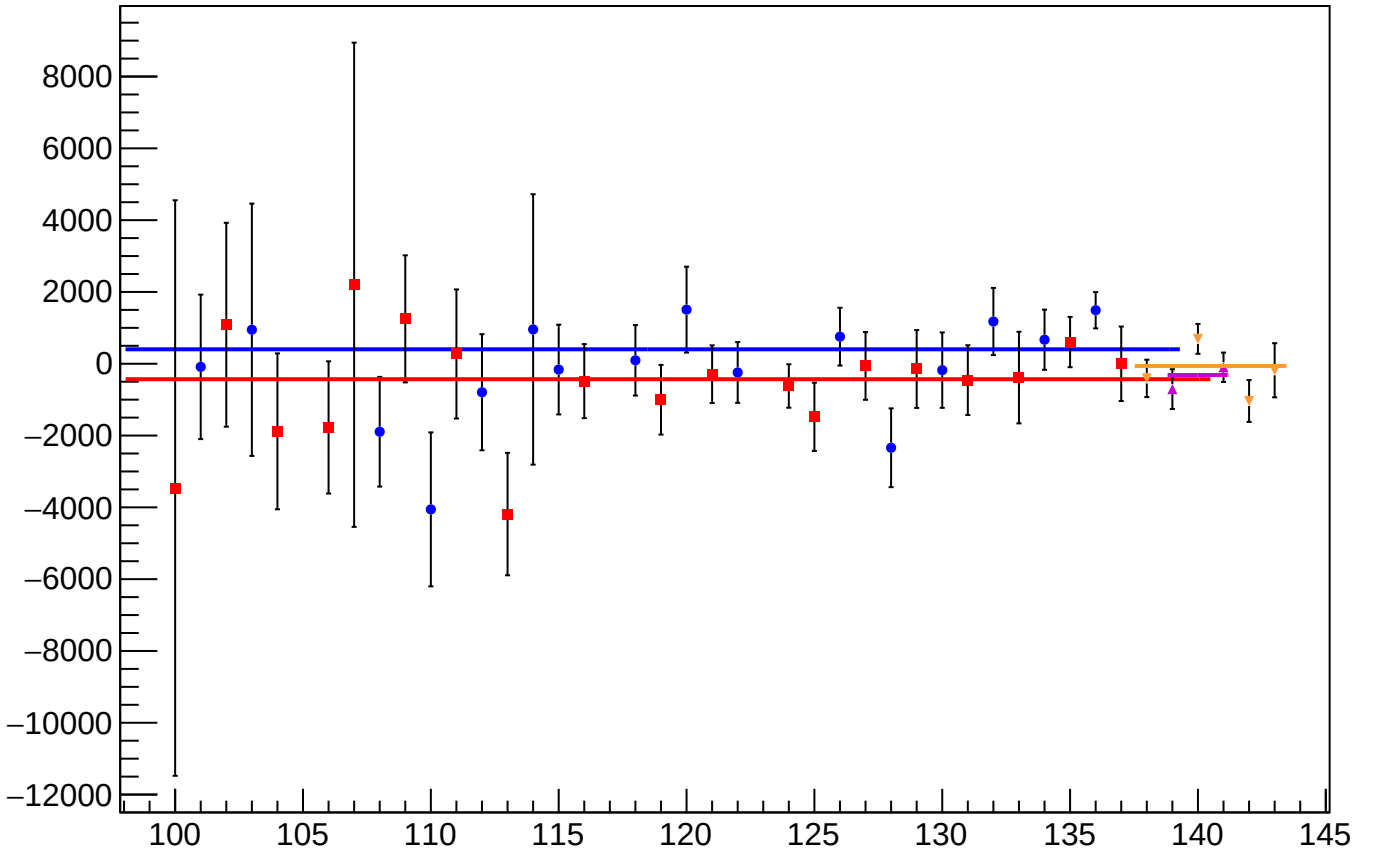
Left: 1829.706+/-0.603 χ^2/NDF: 11919.0/5

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1904.546+/-0.458 χ^2/NDF:654487.3/17

Out: 1931.093+/-0.431 χ^2/NDF:406068.4/22

All: 1918.623+/-0.314 χ^2/NDF: 1062337.6/40



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: -61.407+/-265.622 χ^2/NDF:6.6/3

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -312.988+/-329.500 χ^2/NDF:0.8/1

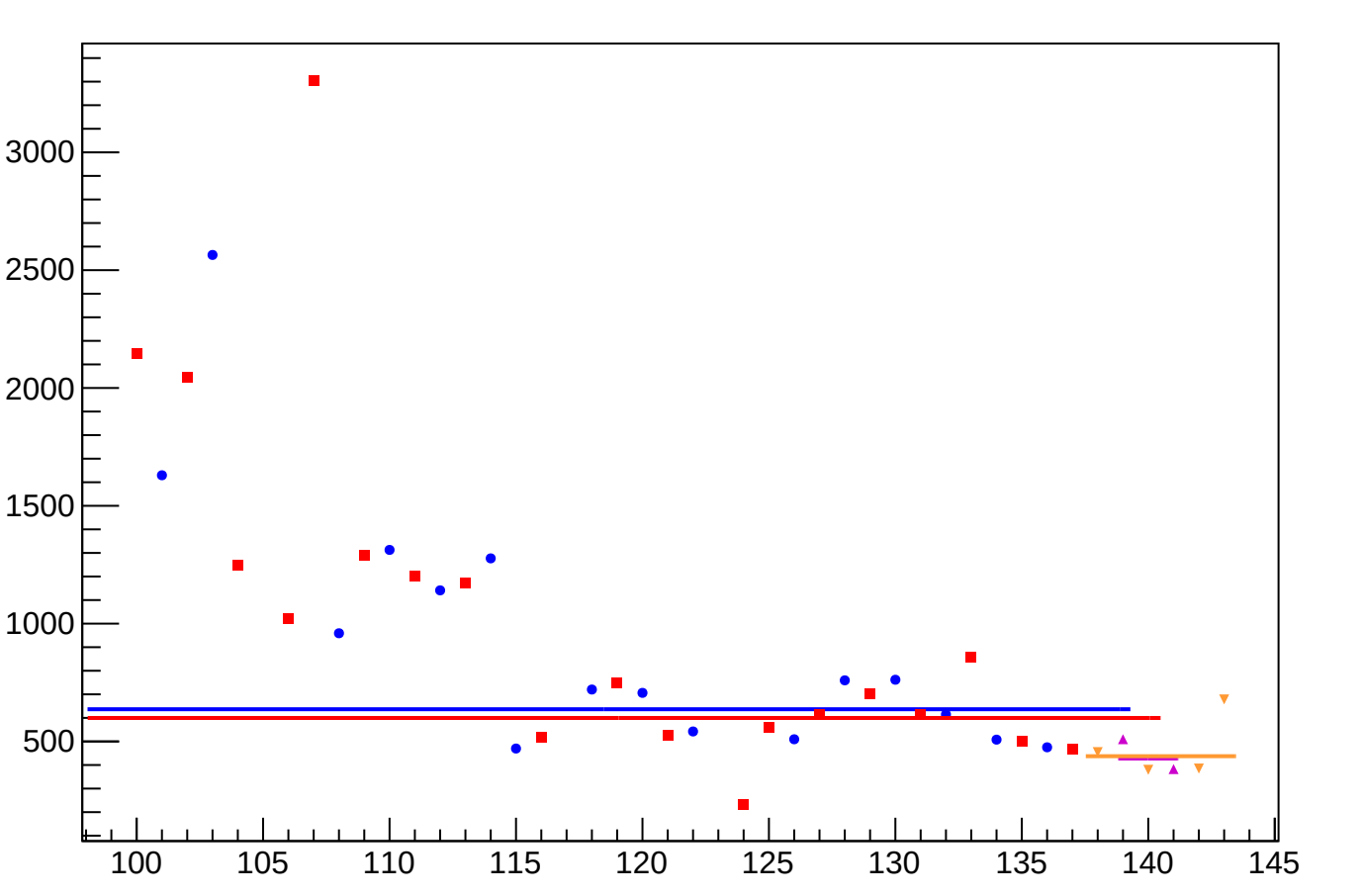
Left: -160.501+/-206.795 χ^2/NDF: 7.7/5

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 129.890+/-203.417 χ^2/NDF:24.8/17

Out: -254.832+/-183.131 χ^2/NDF:19.3/22

All: -82.607+/-136.102 χ^2/NDF: 46.1/40



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 437.408+/-0.188 χ^2/NDF:260939.7/3

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 427.579+/-0.233 χ^2/NDF:67639.4/1

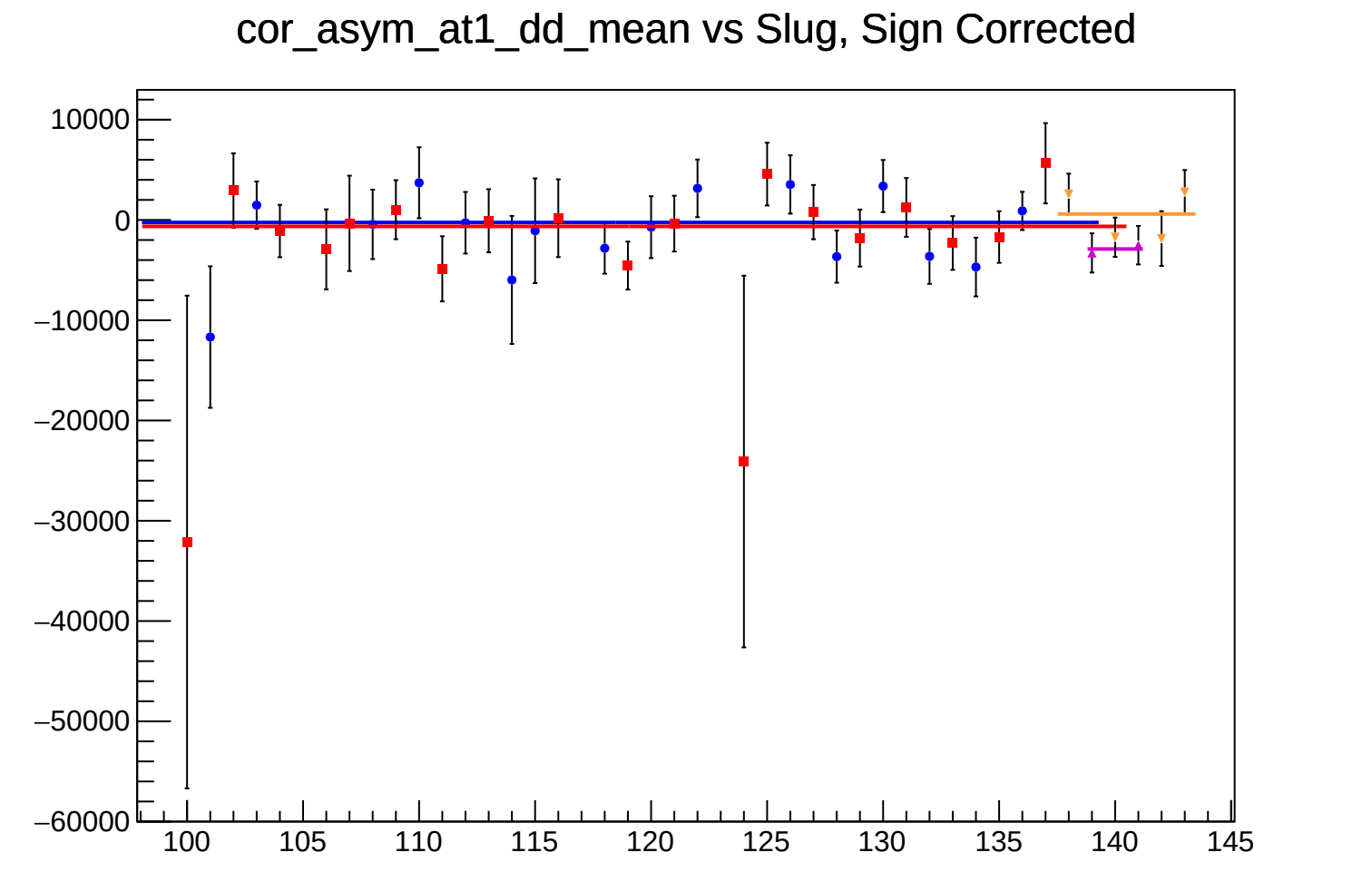
Left: 433.536+/-0.146 χ^2/NDF: 329657.6/5

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 556.999+/-0.144 χ^2/NDF:2633093.3/17

Out: 522.522+/-0.129 χ^2/NDF:3596437.2/22

All: 537.956+/-0.096 χ^2/NDF: 6261265.2/40



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 594.578+/-1089.401 χ^2/NDF:4.1/3

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: -758.142+/-852.447 χ^2/NDF: 8.2/5

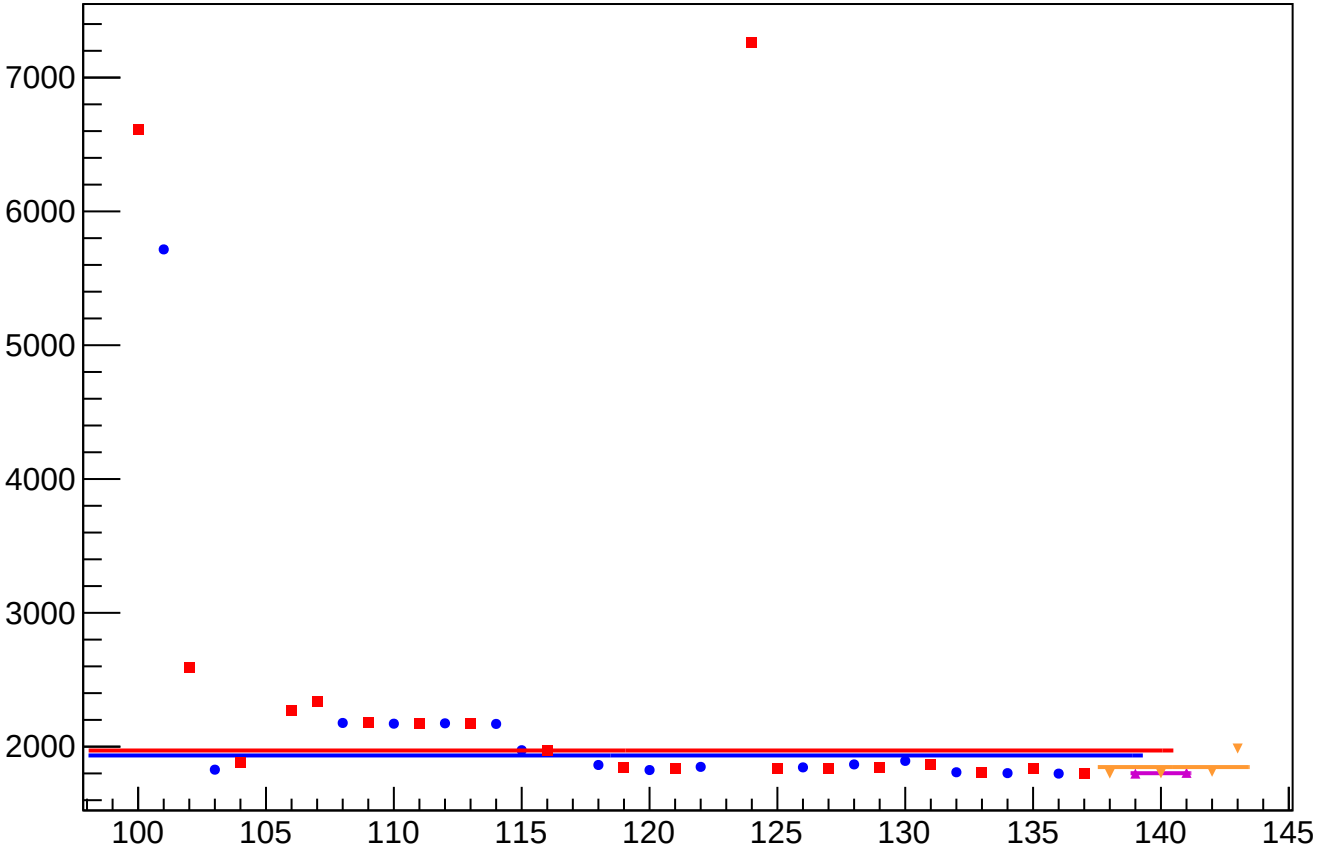
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -842.194+/-647.651 χ^2/NDF:20.2/17

Out: -253.290+/-610.175 χ^2/NDF:21.0/22

All: -530.211+/-444.117 χ^2/NDF: 41.7/40

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

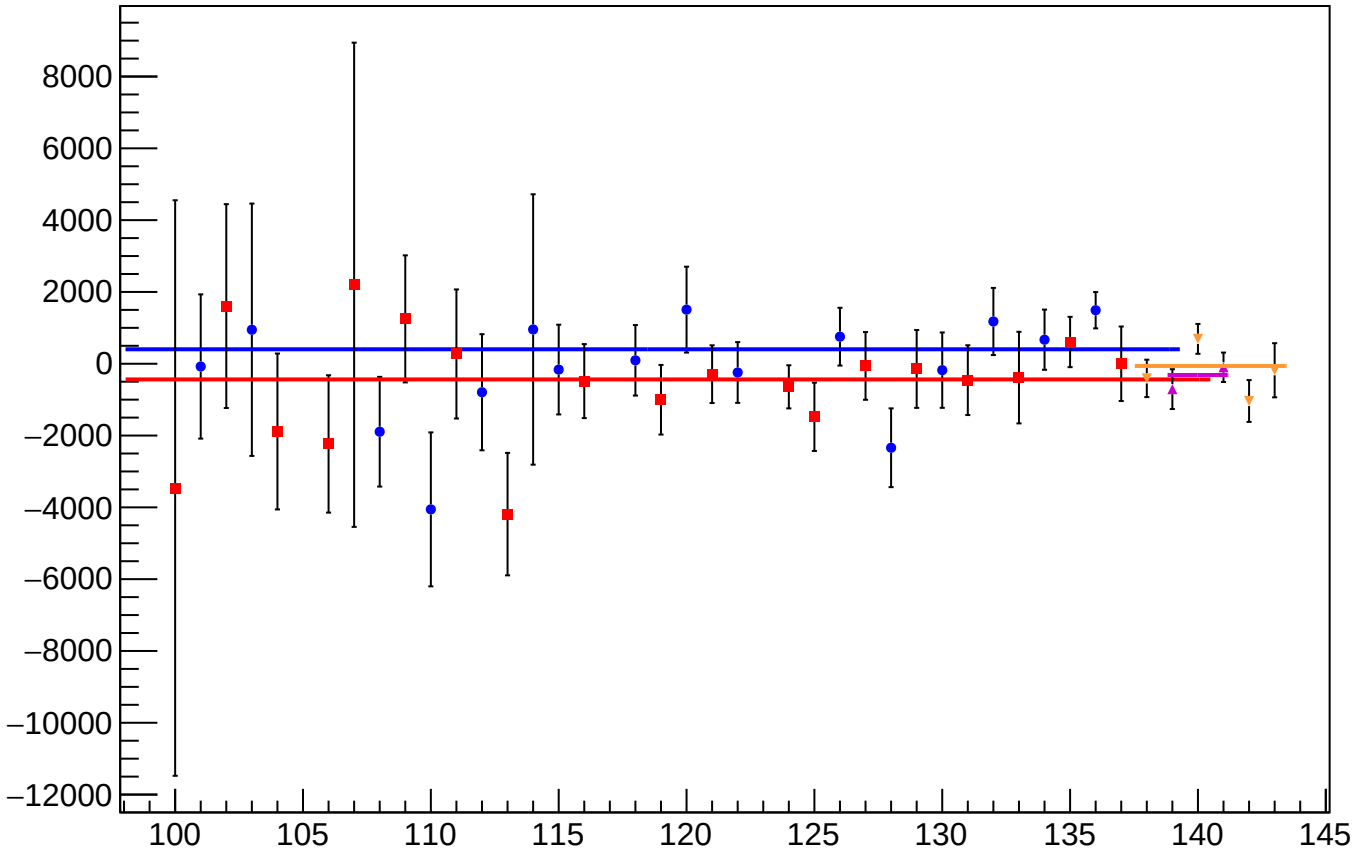
Left: 1829.706+/-0.603 χ^2/NDF: 11919.0/5

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1904.546+/-0.458 χ^2/NDF:654487.2/17

Out: 1932.494+/-0.431 χ^2/NDF:411462.0/22

All: 1919.352+/-0.314 χ^2/NDF: 1067922.3/40



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: -61.522+/-265.630 χ^2/NDF:6.6/3

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -313.115+/-329.491 χ^2/NDF:0.8/1

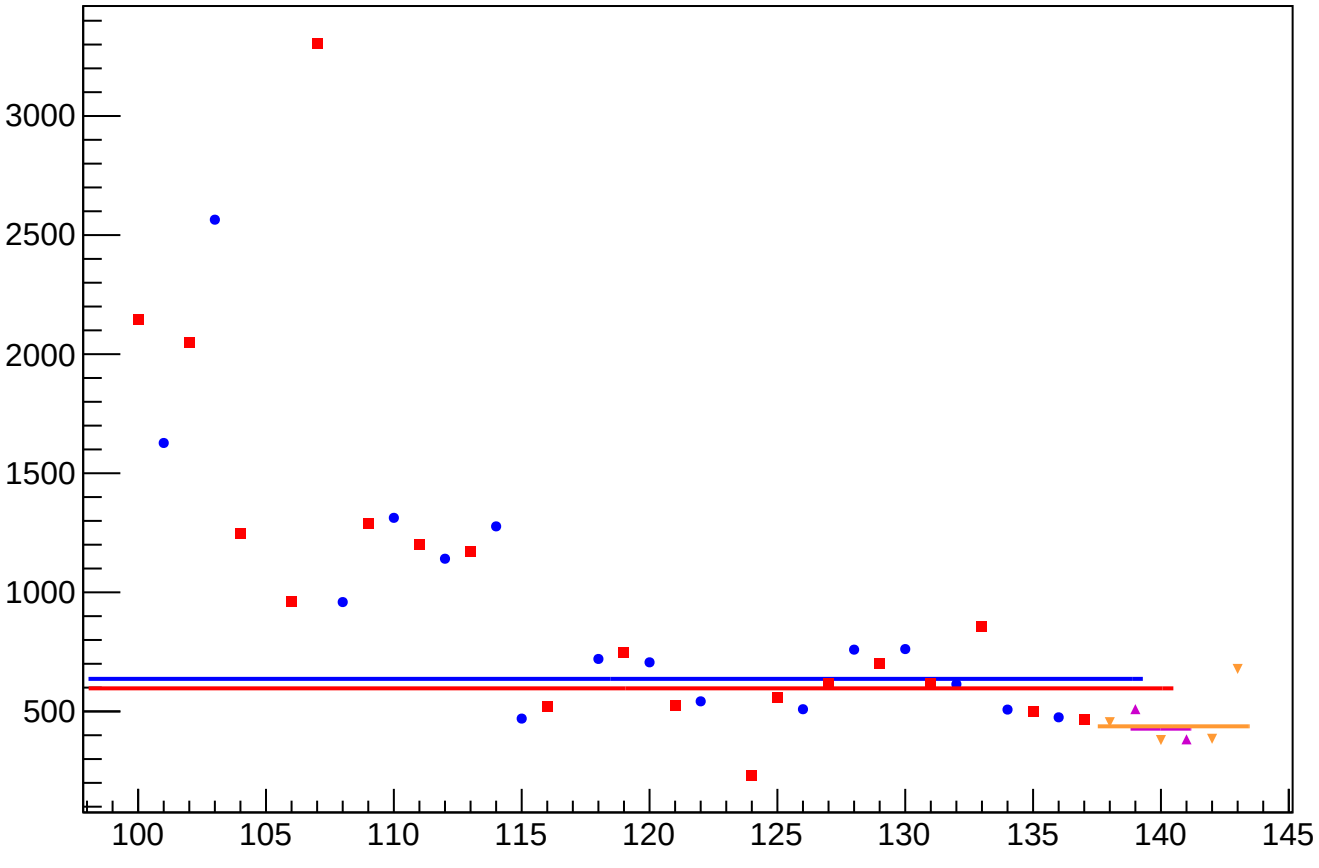
Left: -160.628+/-206.797 χ^2/NDF: 7.7/5

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 129.892+/-203.410 χ^2/NDF:24.8/17

Out: -258.480+/-183.076 χ^2/NDF:20.0/22

All: -84.671+/-136.077 χ^2/NDF: 46.8/40



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.423+/-0.188 χ^2/NDF:260906.5/3

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 427.566+/-0.233 χ^2/NDF:67634.1/1

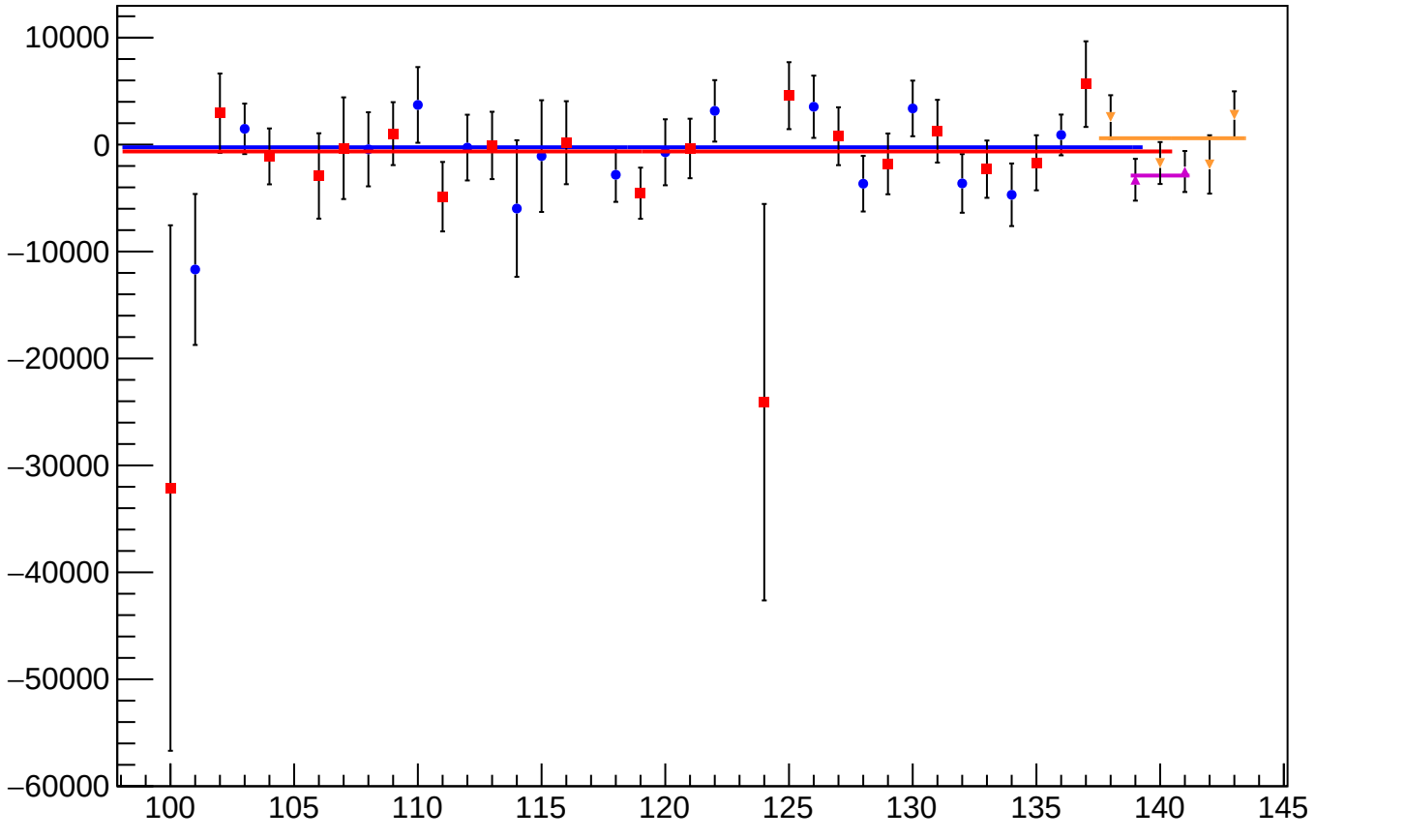
Left: 433.540+/-0.146 χ^2/NDF: 329625.5/5

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 556.995+/-0.144 χ^2/NDF:2632303.0/17

Out: 521.126+/-0.129 χ^2/NDF:3569627.8/22

All: 537.178+/-0.096 χ^2/NDF: 6236288.3/40



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 594.578+/-1089.401 χ^2/NDF:4.1/3

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -2894.450+/-1369.039 χ^2/NDF:0.1/1

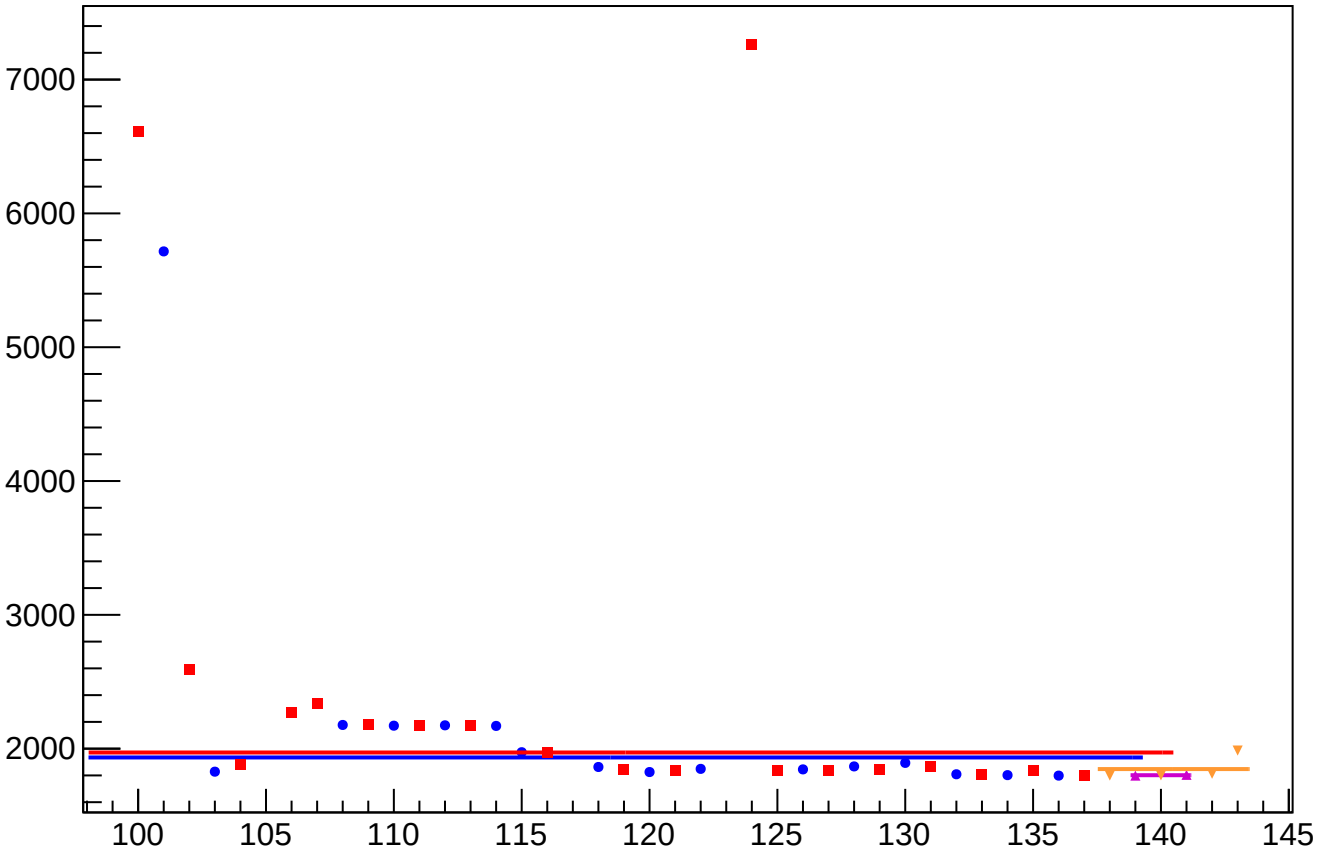
Left: -758.142+/-852.447 χ^2/NDF: 8.2/5

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -842.194+/-647.651 χ^2/NDF:20.2/17

Out: -253.290+/-610.175 χ^2/NDF:21.0/22

All: -530.211+/-444.117 χ^2/NDF: 41.7/40



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1847.478+/-0.770 χ^2/NDF:10537.2/3

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1801.639+/-0.968 χ^2/NDF:8.9/1

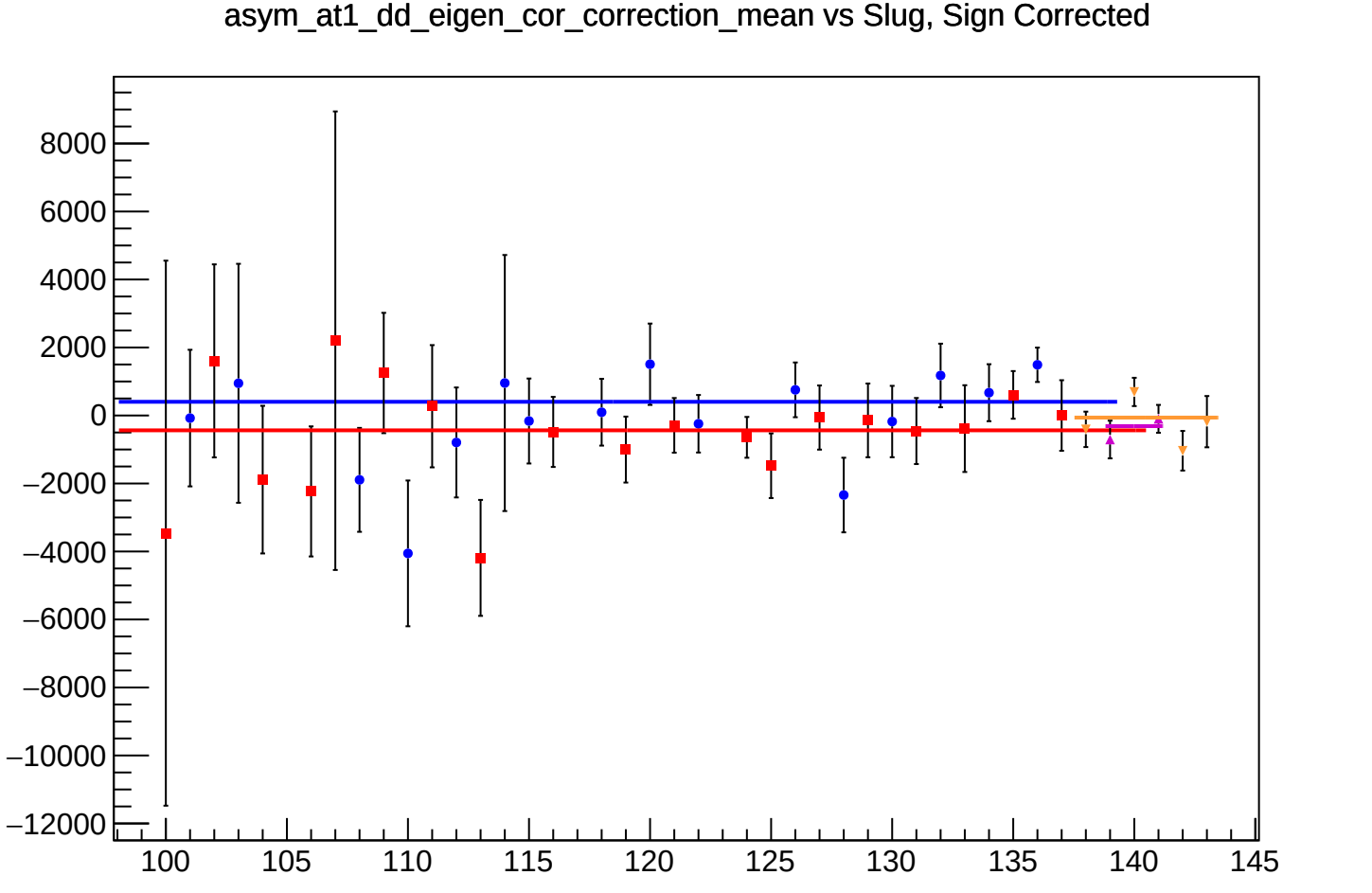
Left: 1829.706+/-0.603 χ^2/NDF: 11919.0/5

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1904.546+/-0.458 χ^2/NDF:654487.2/17

Out: 1932.494+/-0.431 χ^2/NDF:411462.0/22

All: 1919.352+/-0.314 χ^2/NDF: 1067922.3/40



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: -61.522+/-265.630 χ^2/NDF:6.6/3

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -313.115+/-329.491 χ^2/NDF:0.8/1

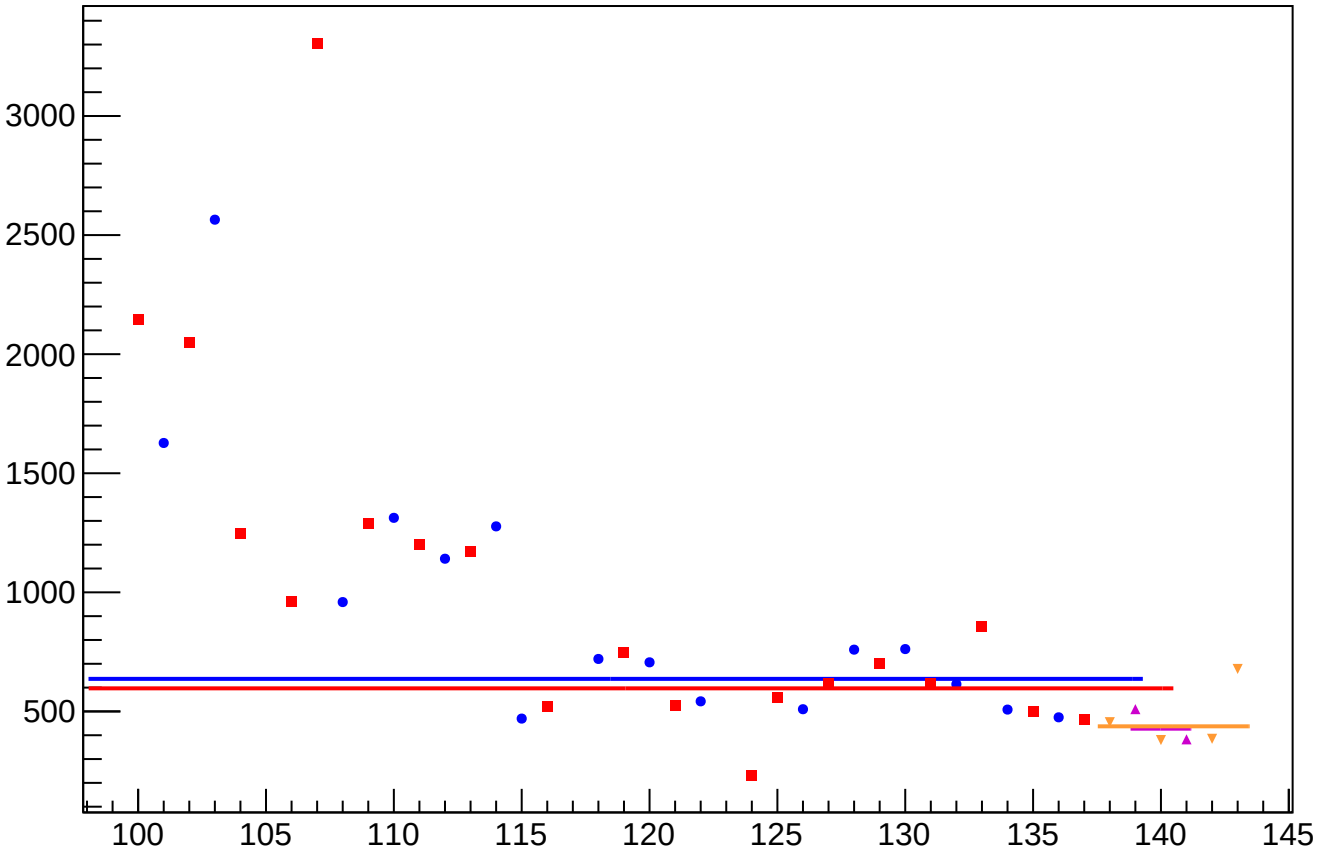
Left: -160.628+/-206.797 χ^2/NDF: 7.7/5

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 129.892+/-203.410 χ^2/NDF:24.8/17

Out: -258.480+/-183.076 χ^2/NDF:20.0/22

All: -84.671+/-136.077 χ^2/NDF: 46.8/40



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.423+/-0.188 χ^2/NDF:260906.5/3

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 427.566+/-0.233 χ^2/NDF:67634.1/1

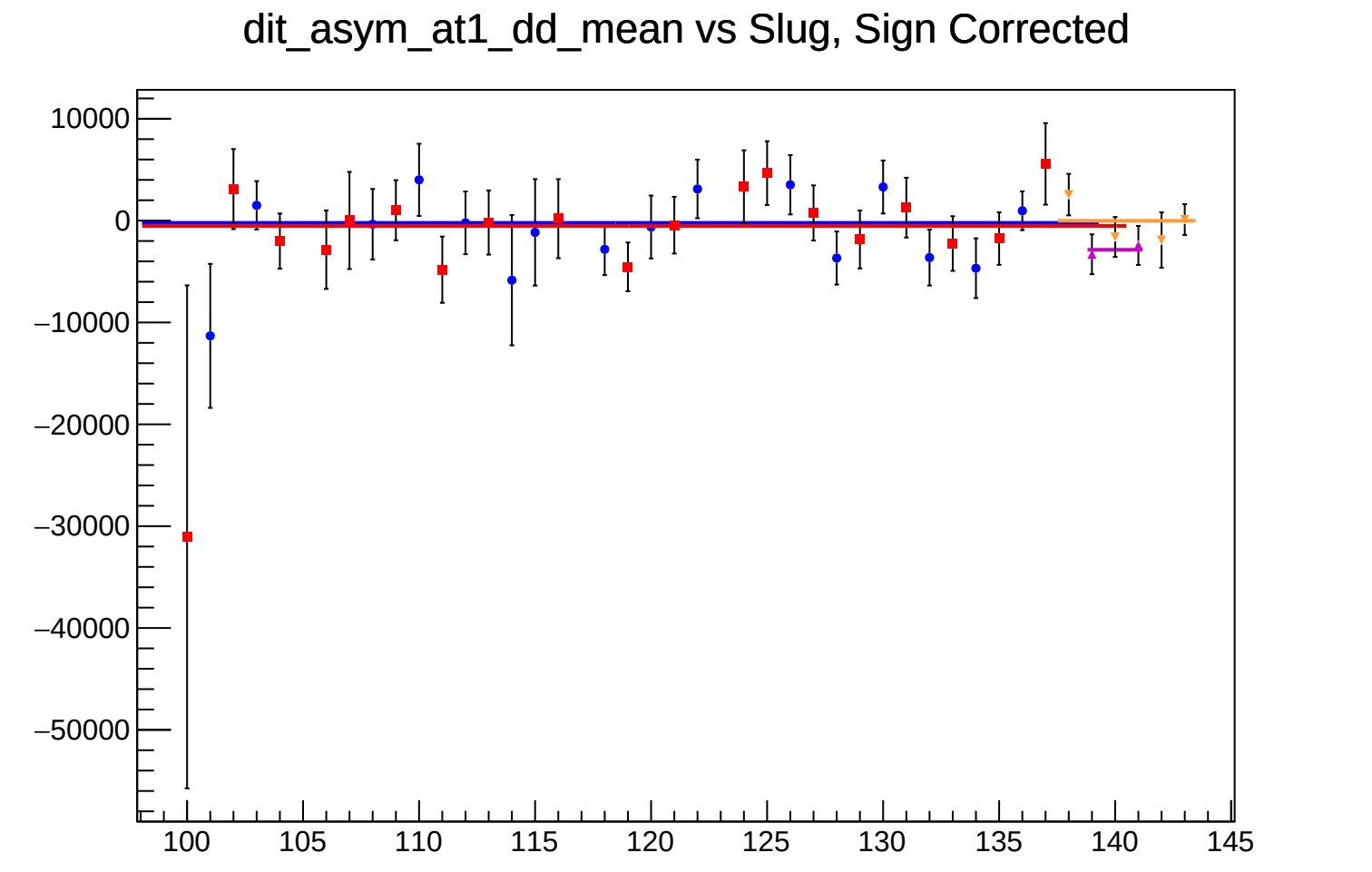
Left: 433.540+/-0.146 χ^2/NDF: 329625.5/5

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 556.995+/-0.144 χ^2/NDF:2632303.0/17

Out: 521.126+/-0.129 χ^2/NDF:3569627.8/22

All: 537.178+/-0.096 χ^2/NDF: 6236288.3/40



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -13.968+/-964.473 χ^2/NDF:2.7/3

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: -957.973+/-788.540 χ^2/NDF: 5.7/5

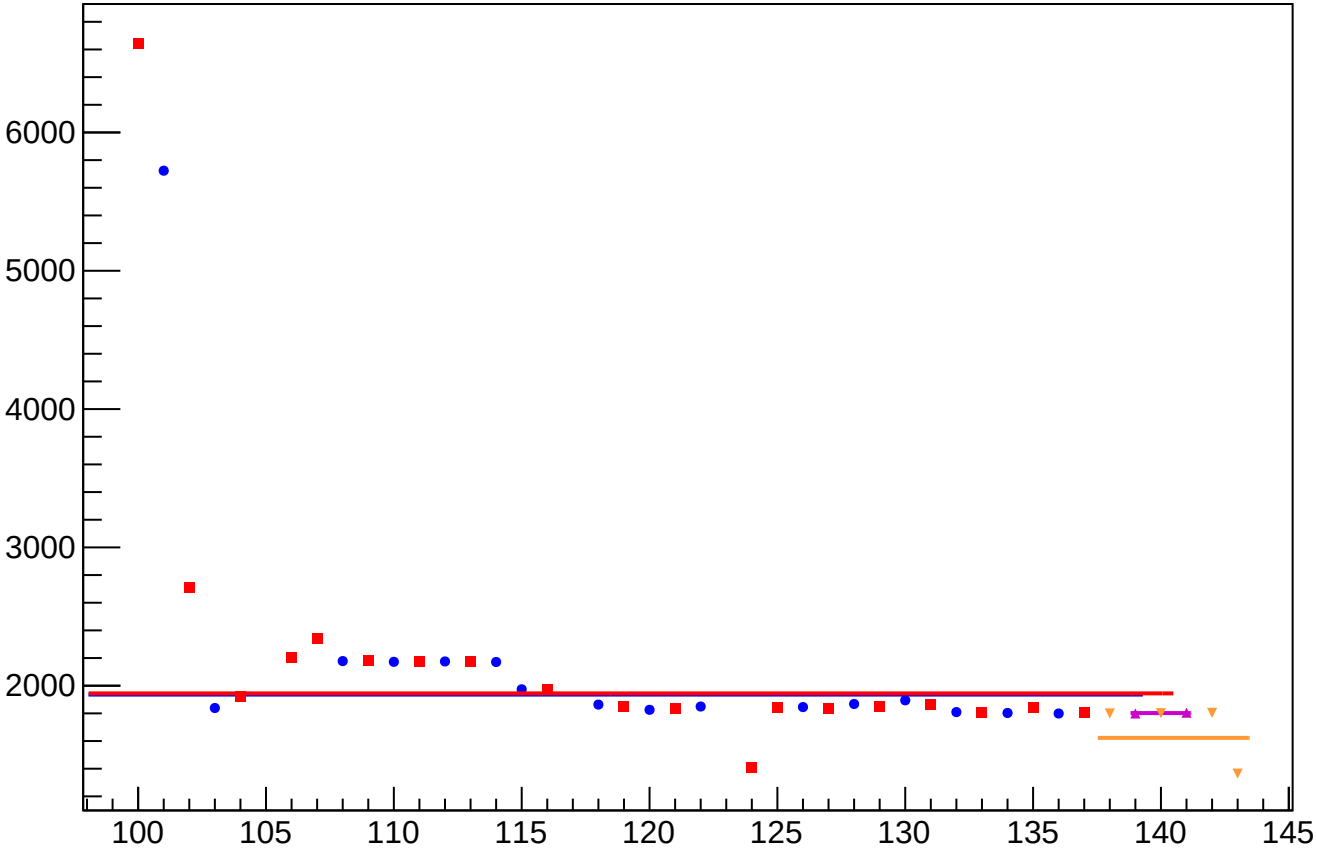
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -812.083+/-648.226 χ^2/NDF:20.1/17

Out: -337.474+/-579.515 χ^2/NDF:18.5/22

All: -548.299+/-432.036 χ^2/NDF: 38.9/40

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1622.821+/-0.682 χ^2/NDF:99088.0/3

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1802.185+/-0.968 χ^2/NDF:8.7/1

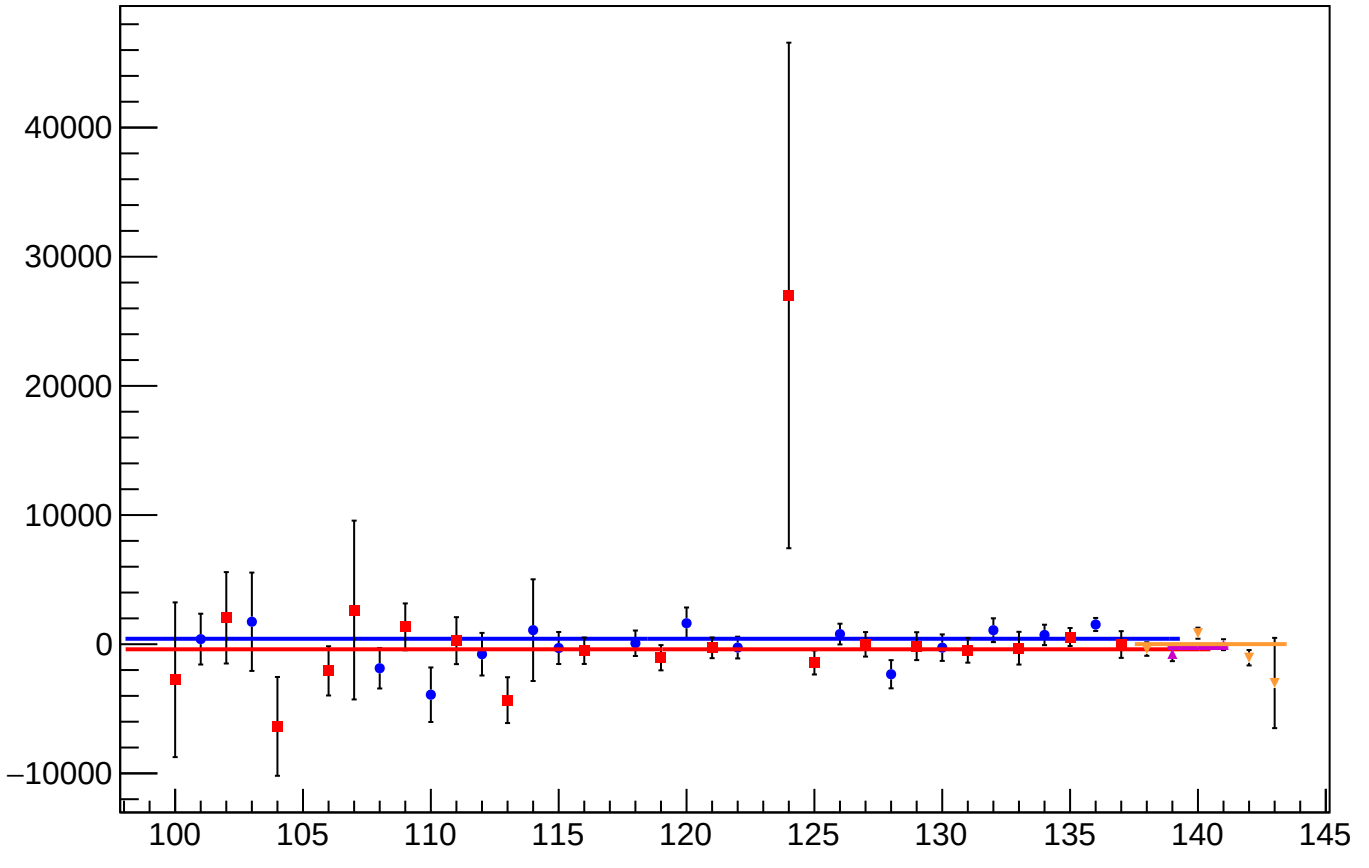
Left: 1682.290+/-0.558 χ^2/NDF: 122030.2/5

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1905.998+/-0.458 χ^2/NDF:654628.5/17

Out: 1828.360+/-0.410 χ^2/NDF:517465.5/22

All: 1862.847+/-0.305 χ^2/NDF: 1188039.5/40



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 7.139+/-289.068 χ^2/NDF:8.3/3

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -293.891+/-337.322 χ^2/NDF:1.0/1

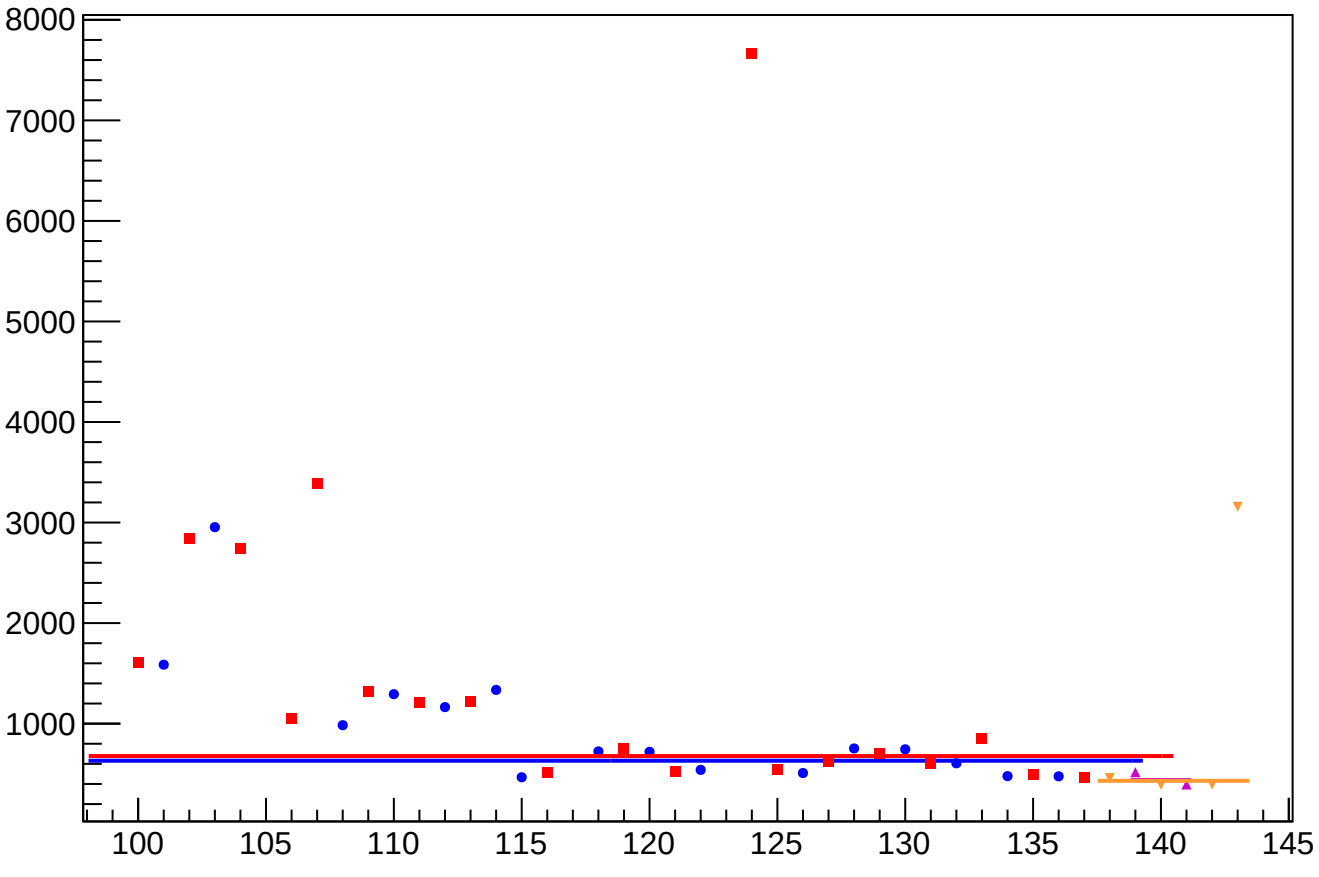
Left: -120.323+/-219.498 χ^2/NDF: 9.8/5

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 158.854+/-204.302 χ^2/NDF:25.4/17

Out: -199.923+/-200.957 χ^2/NDF:25.1/22

All: -23.495+/-143.266 χ^2/NDF: 52.1/40



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 431.353+/-0.204 χ^2/NDF:1246730.7/3

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 438.801+/-0.239 χ^2/NDF:60318.1/1

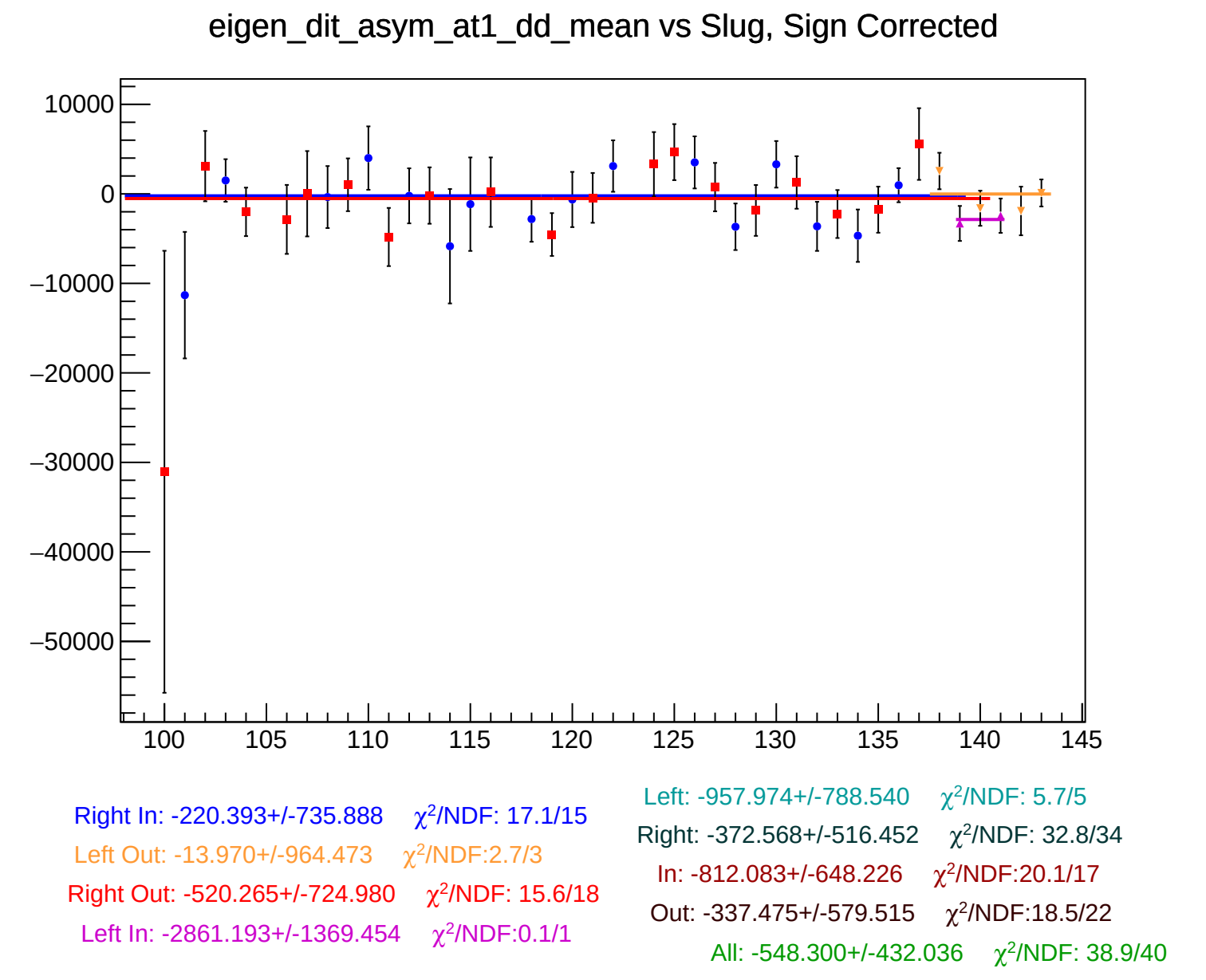
Left: 434.507+/-0.155 χ^2/NDF: 1307611.1/5

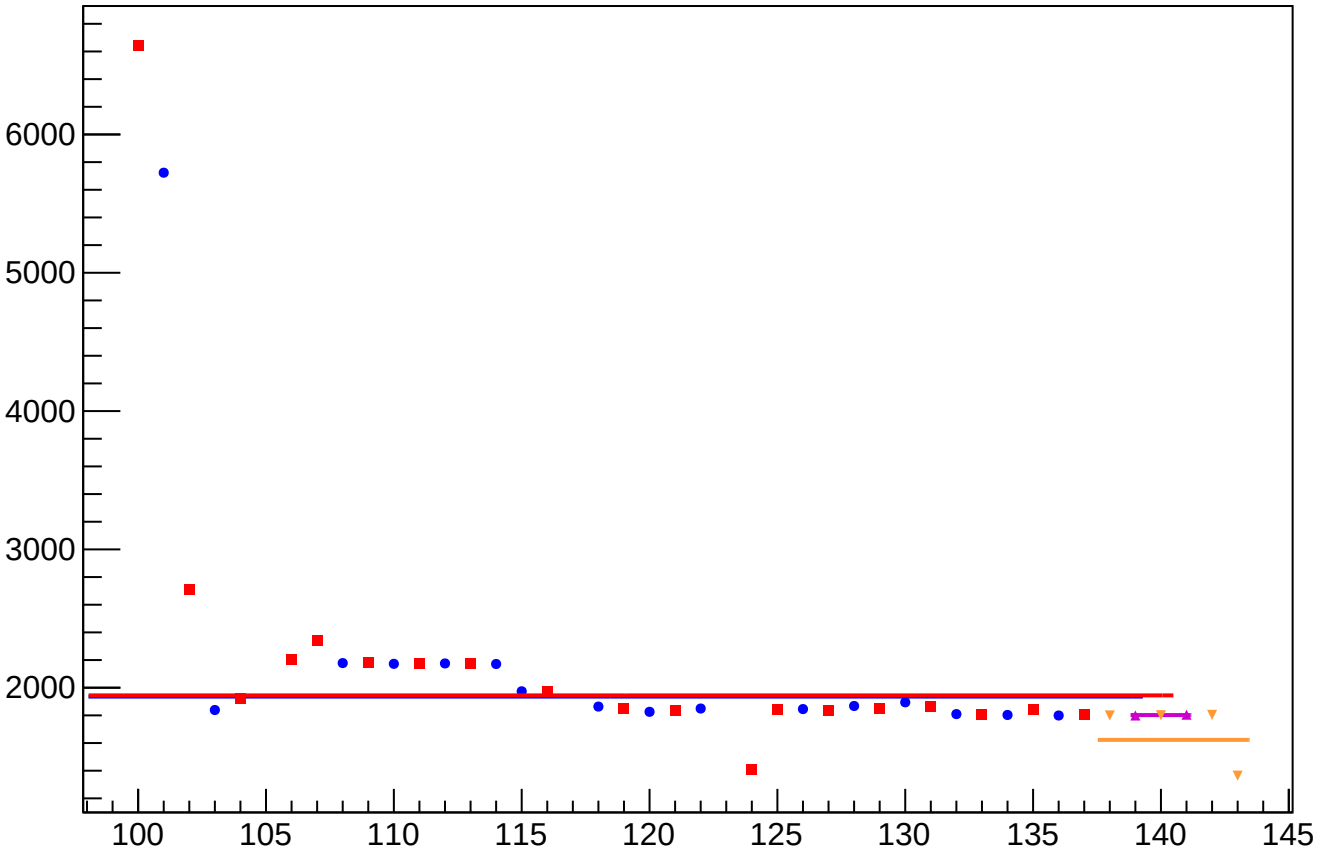
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 560.586+/-0.144 χ^2/NDF:2706514.6/17

Out: 558.508+/-0.142 χ^2/NDF:5077238.1/22

All: 559.530+/-0.101 χ^2/NDF: 7783857.8/40


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
145
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -13.970+/-964.473 χ²/NDF:2.7/3
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -2861.193+/-1369.454 χ²/NDF:0.1/1
Left: -957.974+/-788.540 χ²/NDF: 5.7/5
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -812.083+/-648.226 χ²/NDF:20.1/17
Out: -337.475+/-579.515 χ²/NDF:18.5/22
All: -548.300+/-432.036 χ²/NDF: 38.9/40



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1622.821+/-0.682 χ^2/NDF:99088.0/3

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1802.185+/-0.968 χ^2/NDF:8.7/1

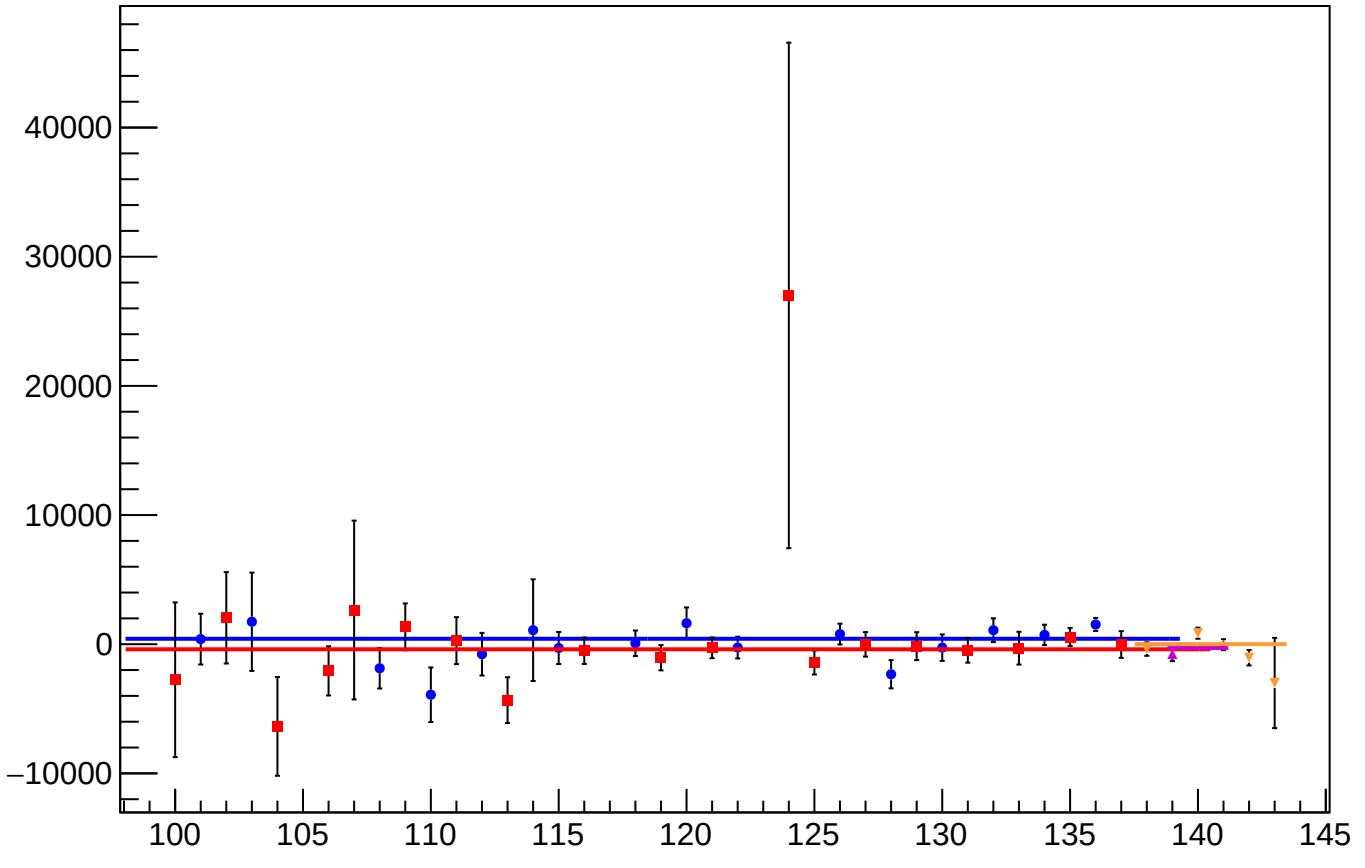
Left: 1682.290+/-0.558 χ^2/NDF: 122030.2/5

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1905.998+/-0.458 χ^2/NDF:654628.5/17

Out: 1828.360+/-0.410 χ^2/NDF:517465.3/22

All: 1862.847+/-0.305 χ^2/NDF: 1188039.3/40



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 7.140+/-289.068 χ^2/NDF:8.3/3

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -293.891+/-337.321 χ^2/NDF:1.0/1

Left: -120.323+/-219.498 χ^2/NDF: 9.8/5

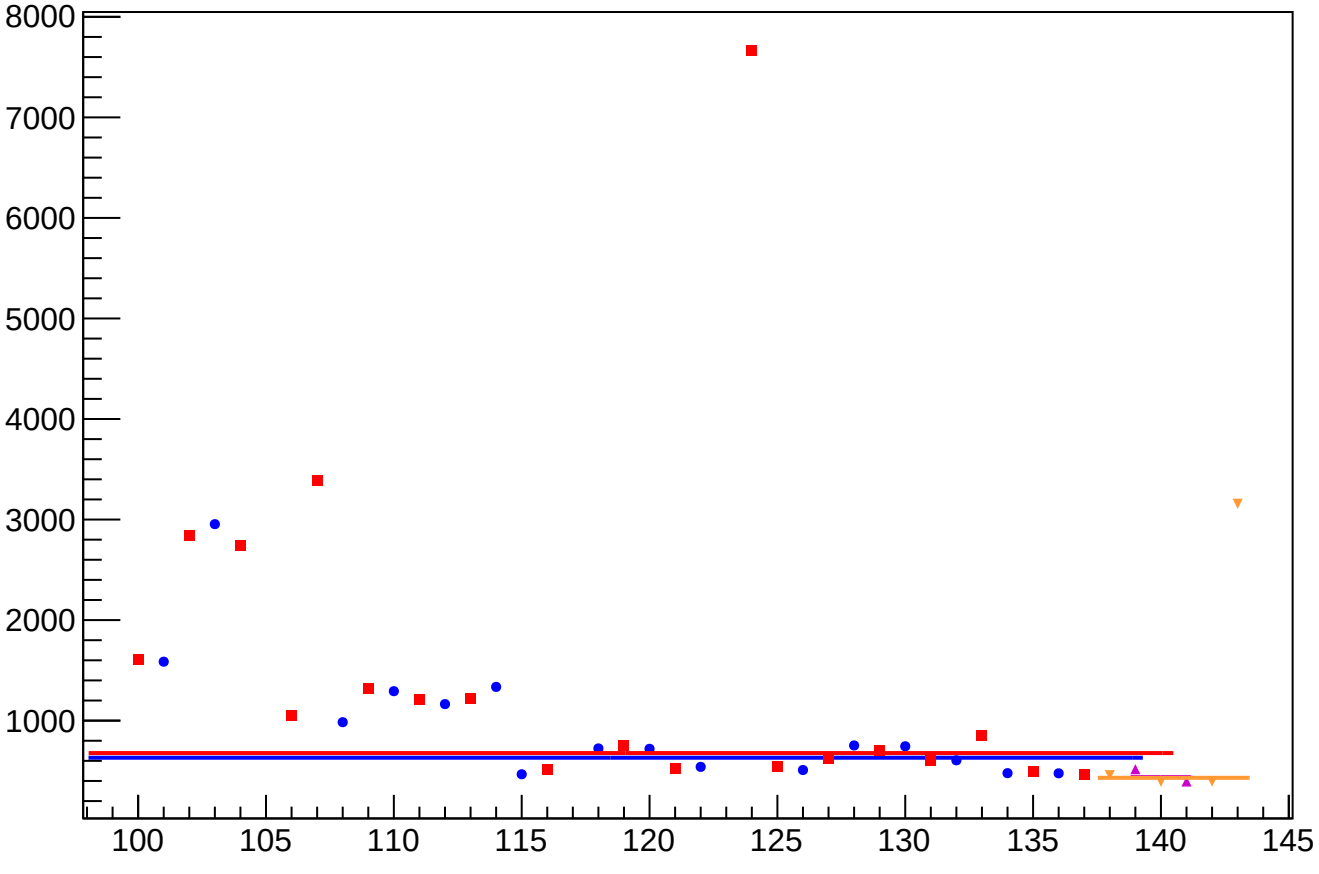
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 158.853+/-204.302 χ^2/NDF:25.4/17

Out: -199.922+/-200.957 χ^2/NDF:25.1/22

All: -23.496+/-143.266 χ^2/NDF: 52.1/40

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: 431.353+/-0.204 χ^2/NDF:1246730.1/3

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: 434.507+/-0.155 χ^2/NDF: 1307610.7/5

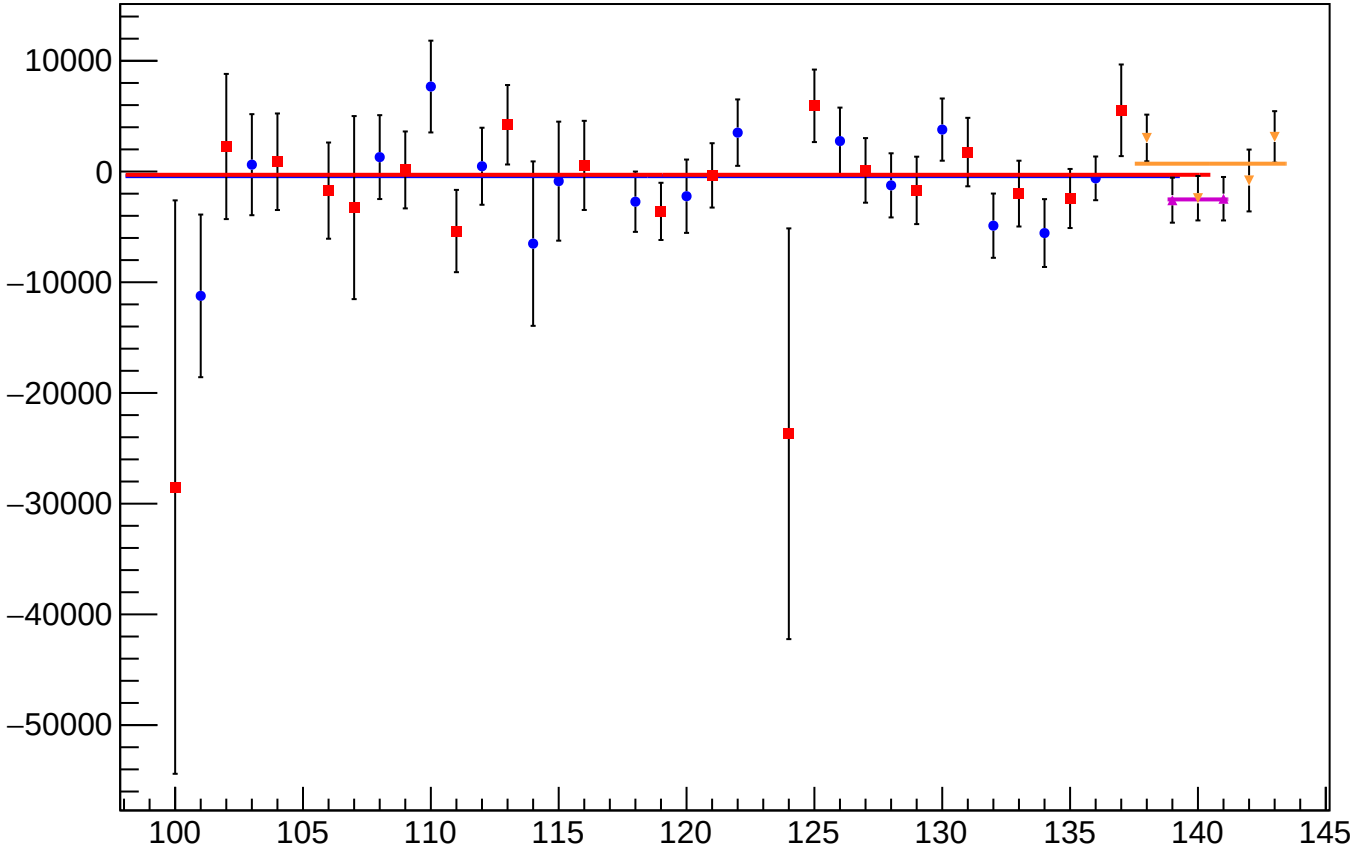
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 560.585+/-0.144 χ^2/NDF:2706517.8/17

Out: 558.508+/-0.142 χ^2/NDF:5077239.2/22

All: 559.529+/-0.101 χ^2/NDF: 7783862.1/40

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 708.295+/-1127.640 χ^2/NDF:5.0/3

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: -548.159+/-881.196 χ^2/NDF: 8.2/5

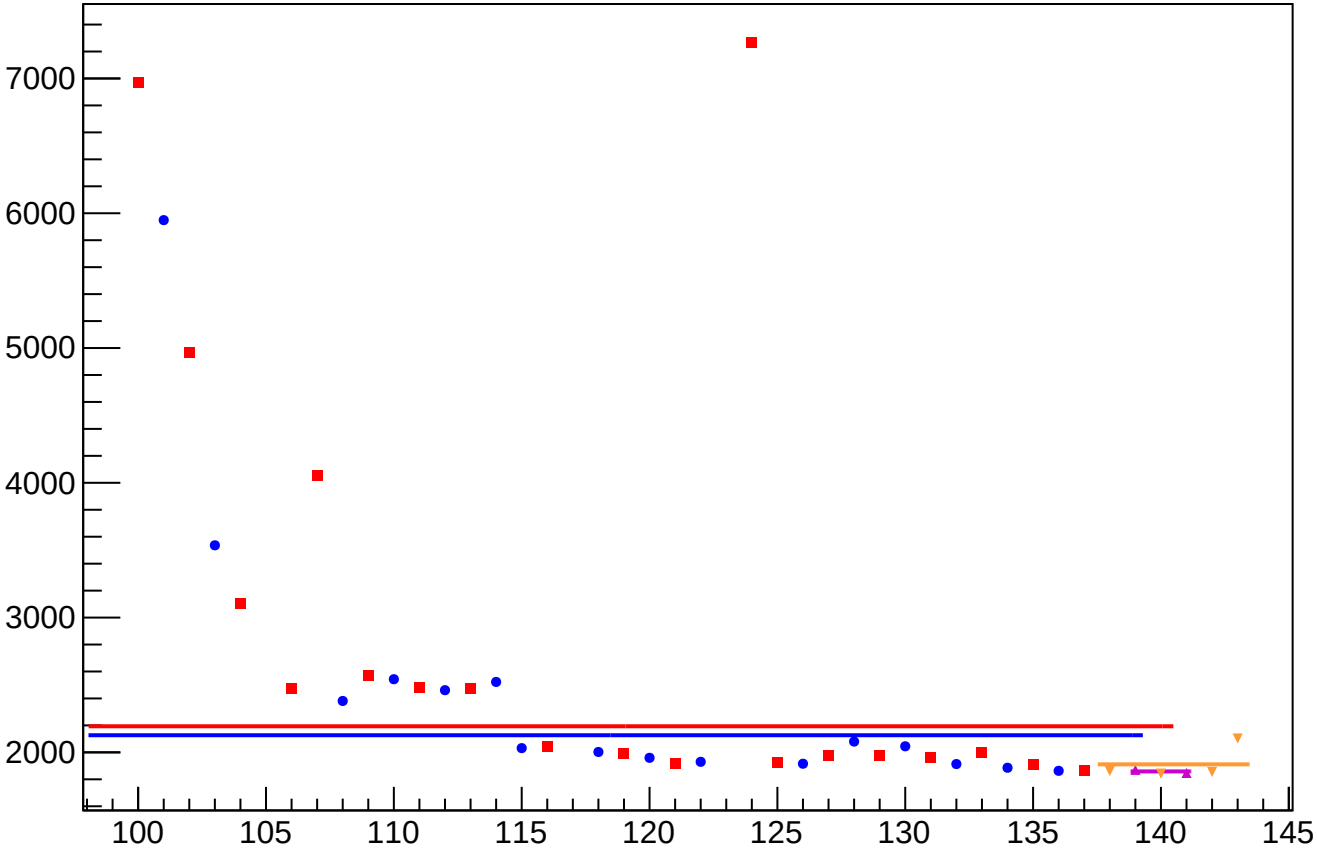
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -942.977+/-706.129 χ^2/NDF:20.0/17

Out: 58.746+/-669.289 χ^2/NDF:21.2/22

All: -415.304+/-485.761 χ^2/NDF: 42.2/40

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1911.060+/-0.797 χ^2/NDF:17828.1/3

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1858.462+/-0.999 χ^2/NDF:134.1/1

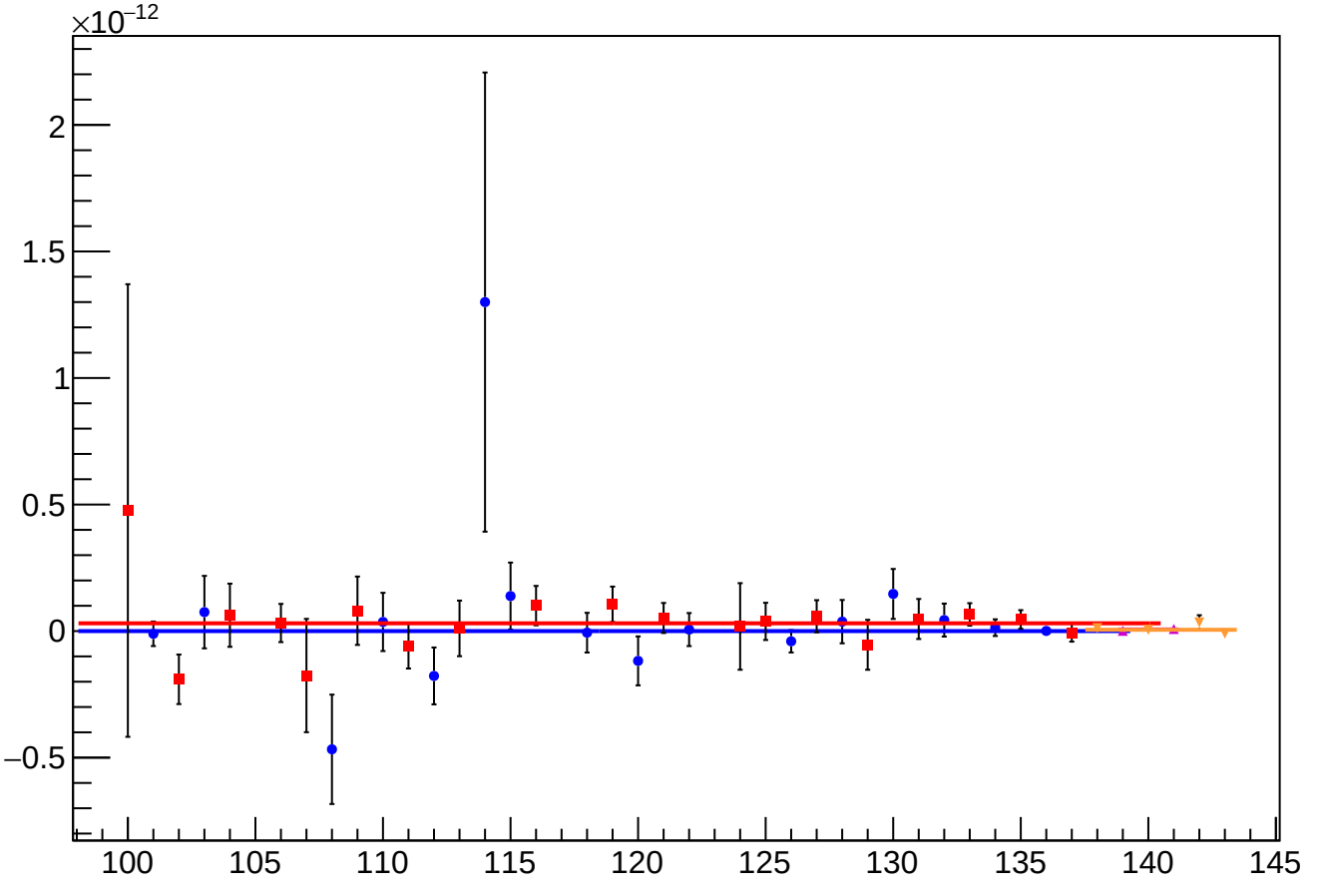
Left: 1890.582+/-0.623 χ^2/NDF: 19656.3/5

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2059.896+/-0.499 χ^2/NDF:929463.6/17

Out: 2094.042+/-0.473 χ^2/NDF:1041713.7/22

All: 2077.883+/-0.343 χ^2/NDF: 1973640.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

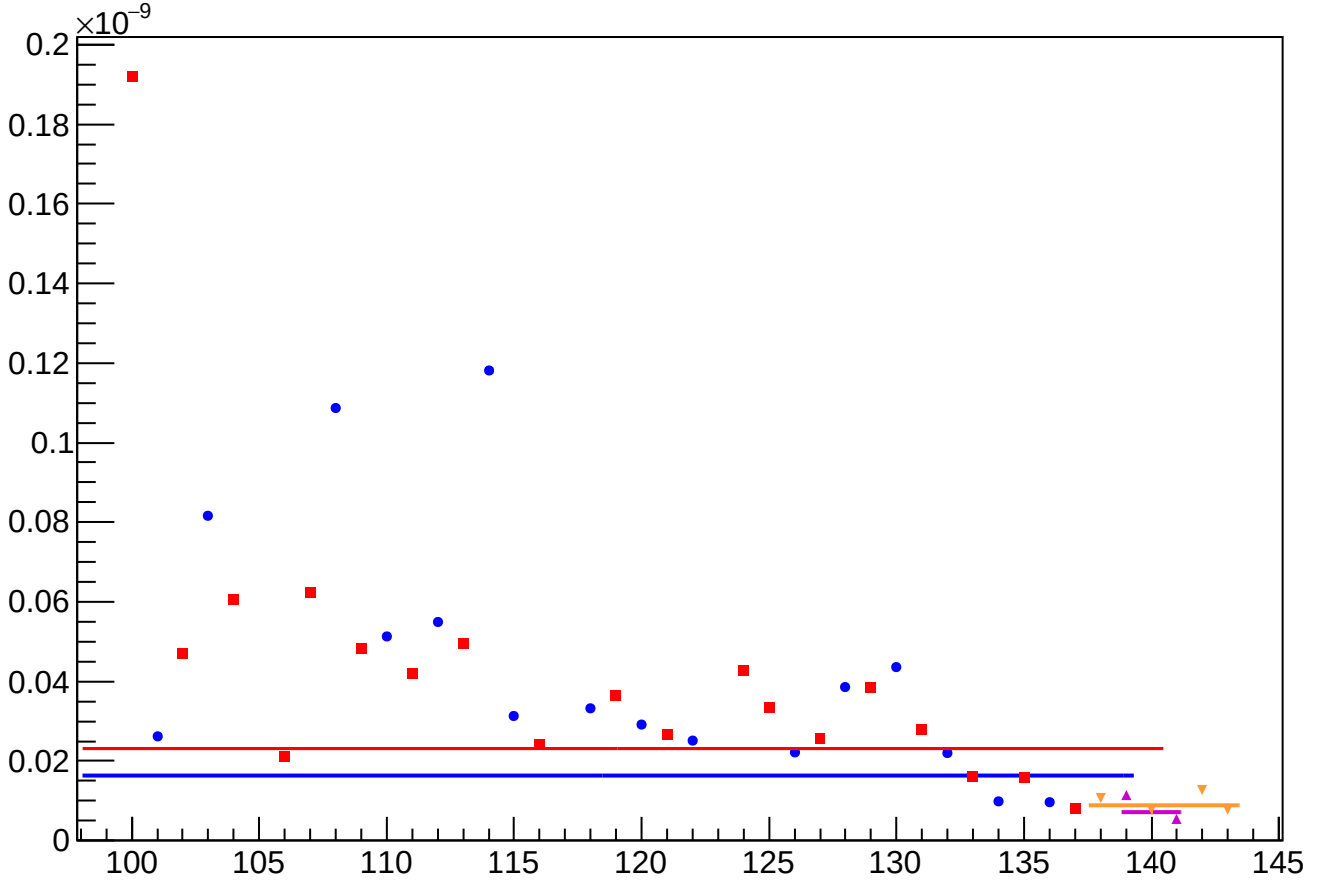
Left: 0.000+/-0.000 χ^2/NDF: 2.2/5

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:16.5/22

All: 0.000+/-0.000 χ^2/NDF: 33.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:84949.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:160347.5/1

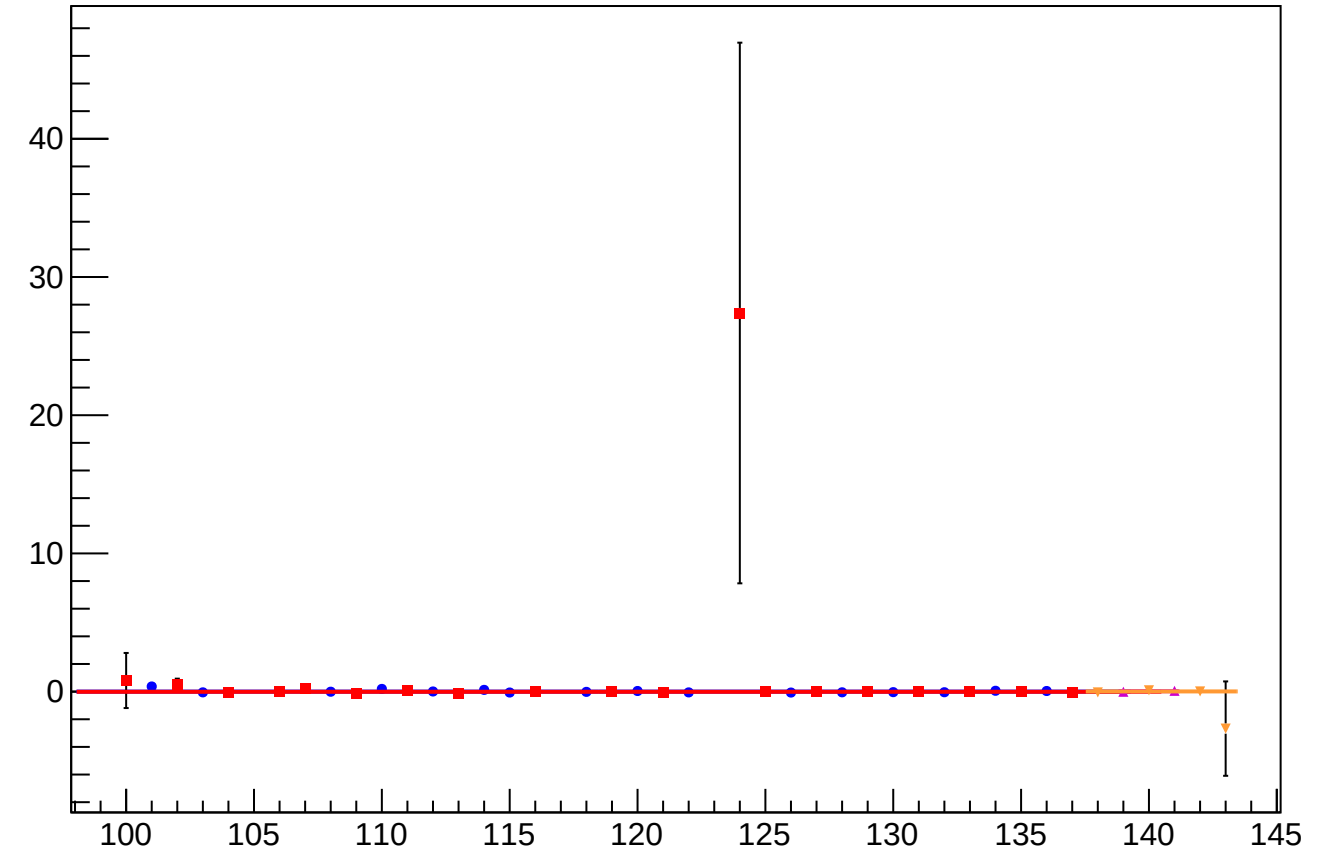
Left: 0.000+/-0.000 χ^2/NDF: 281426.1/5

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:2782636.1/22

All: 0.000+/-0.000 χ^2/NDF: 5988469.0/40



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.027 χ^2/NDF:1.5/1

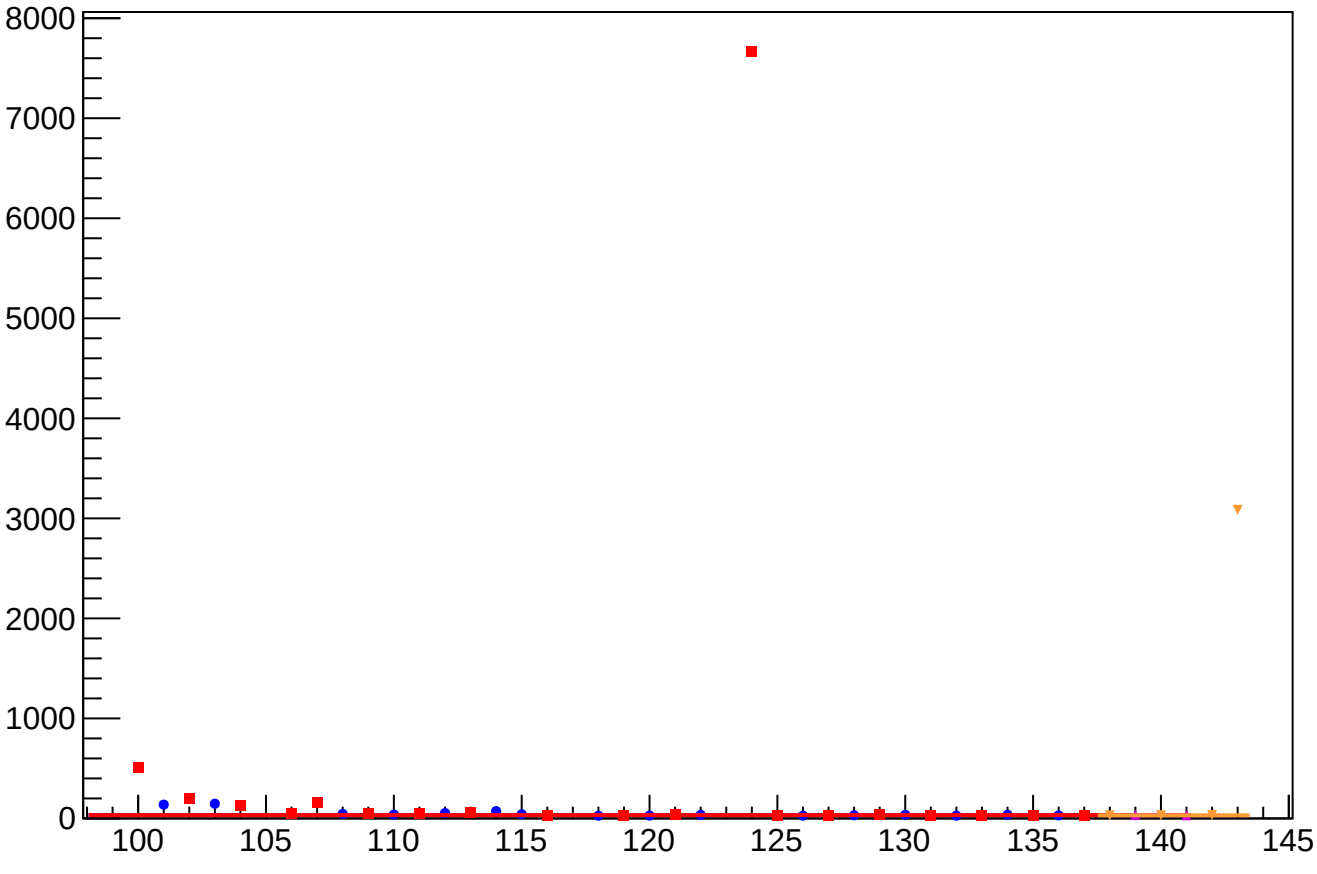
Left: 0.021+/-0.018 χ^2/NDF: 10.3/5

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: 0.001+/-0.009 χ^2/NDF: 47.5/40



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.840+/-0.017 χ^2/NDF:1605552.5/3

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: 32.721+/-0.013 χ^2/NDF: 1621028.3/5

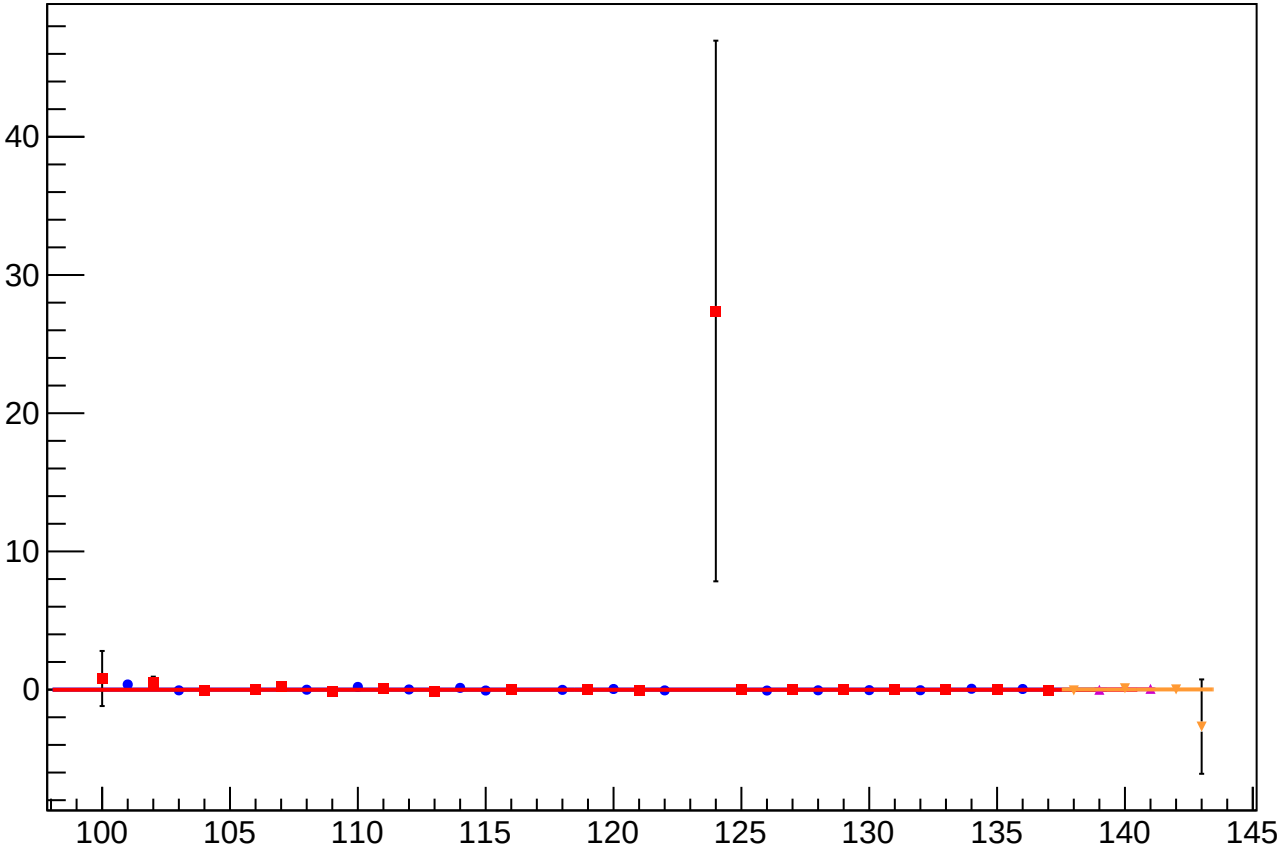
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.012+/-0.009 χ^2/NDF:1726649.4/17

Out: 32.740+/-0.009 χ^2/NDF:3684547.7/22

All: 33.359+/-0.006 χ^2/NDF: 5421052.5/40

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+/-0.024 χ^2/NDF:8.7/3

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+/-0.018 χ^2/NDF: 10.3/5

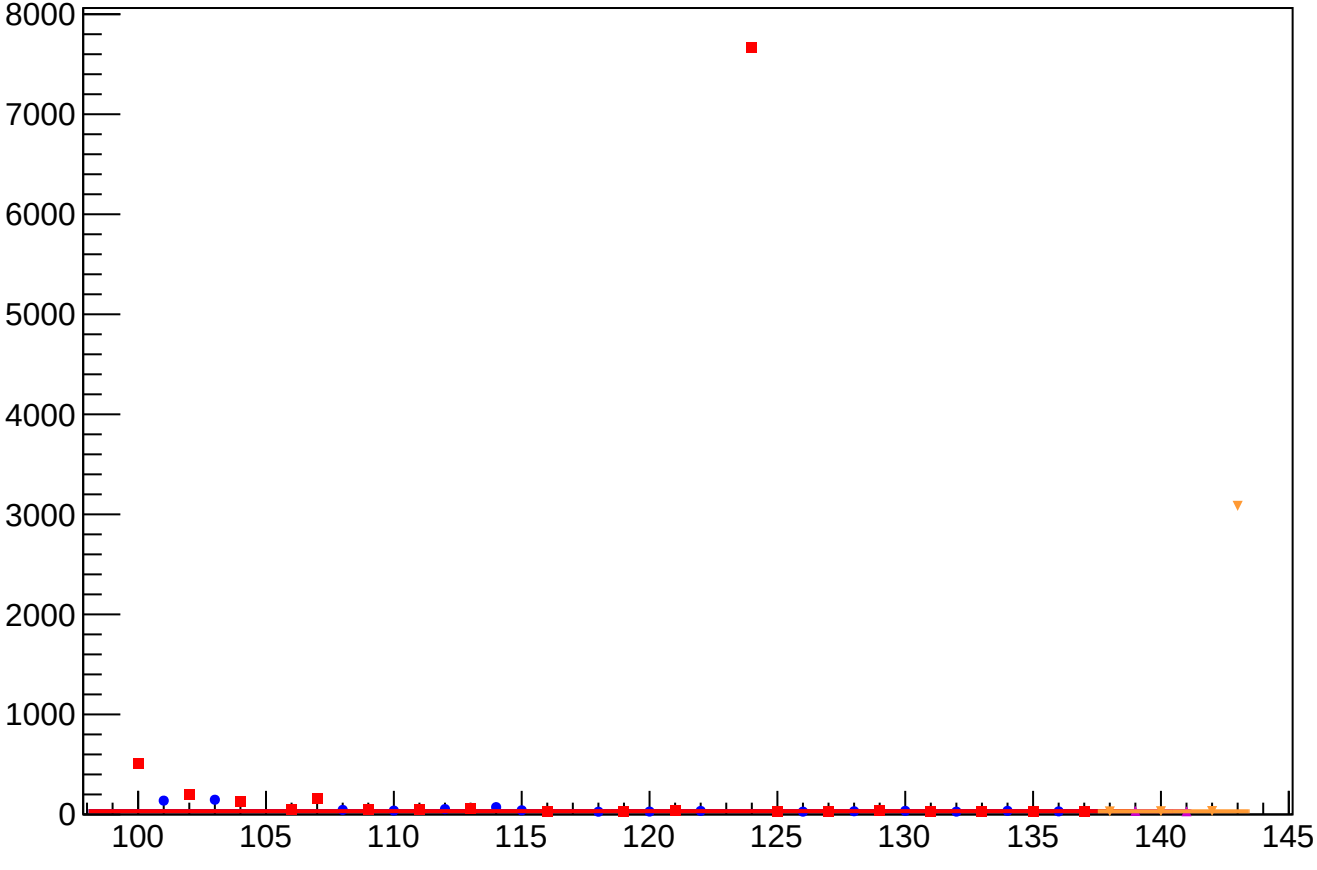
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: 0.001+/-0.009 χ^2/NDF: 47.5/40

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: 31.840+/-0.017 χ^2/NDF:1605552.5/3

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.3/1

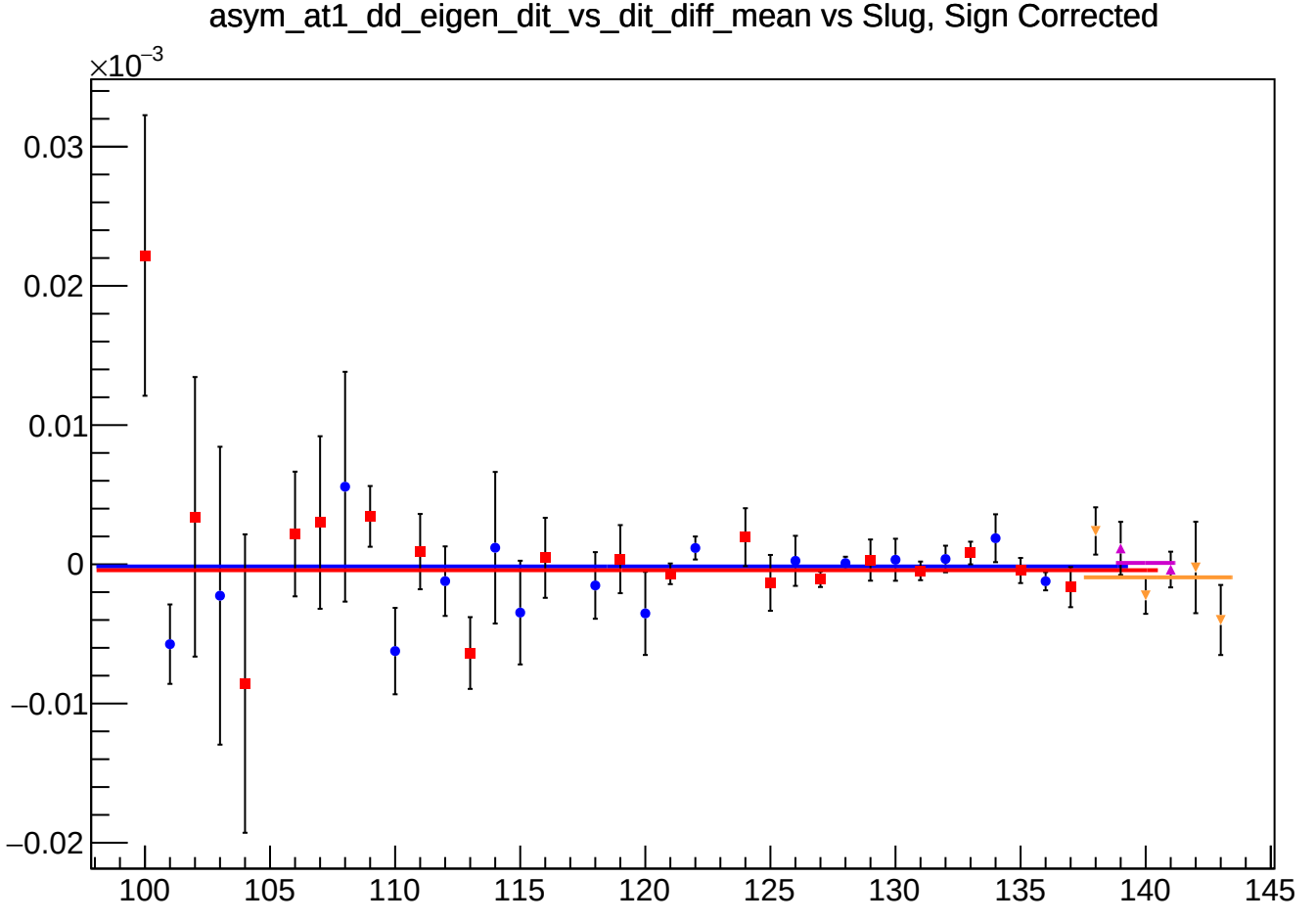
Left: 32.721+/-0.013 χ^2/NDF: 1621028.3/5

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.012+/-0.009 χ^2/NDF:1726649.4/17

Out: 32.740+/-0.009 χ^2/NDF:3684547.7/22

All: 33.359+/-0.006 χ^2/NDF: 5421052.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

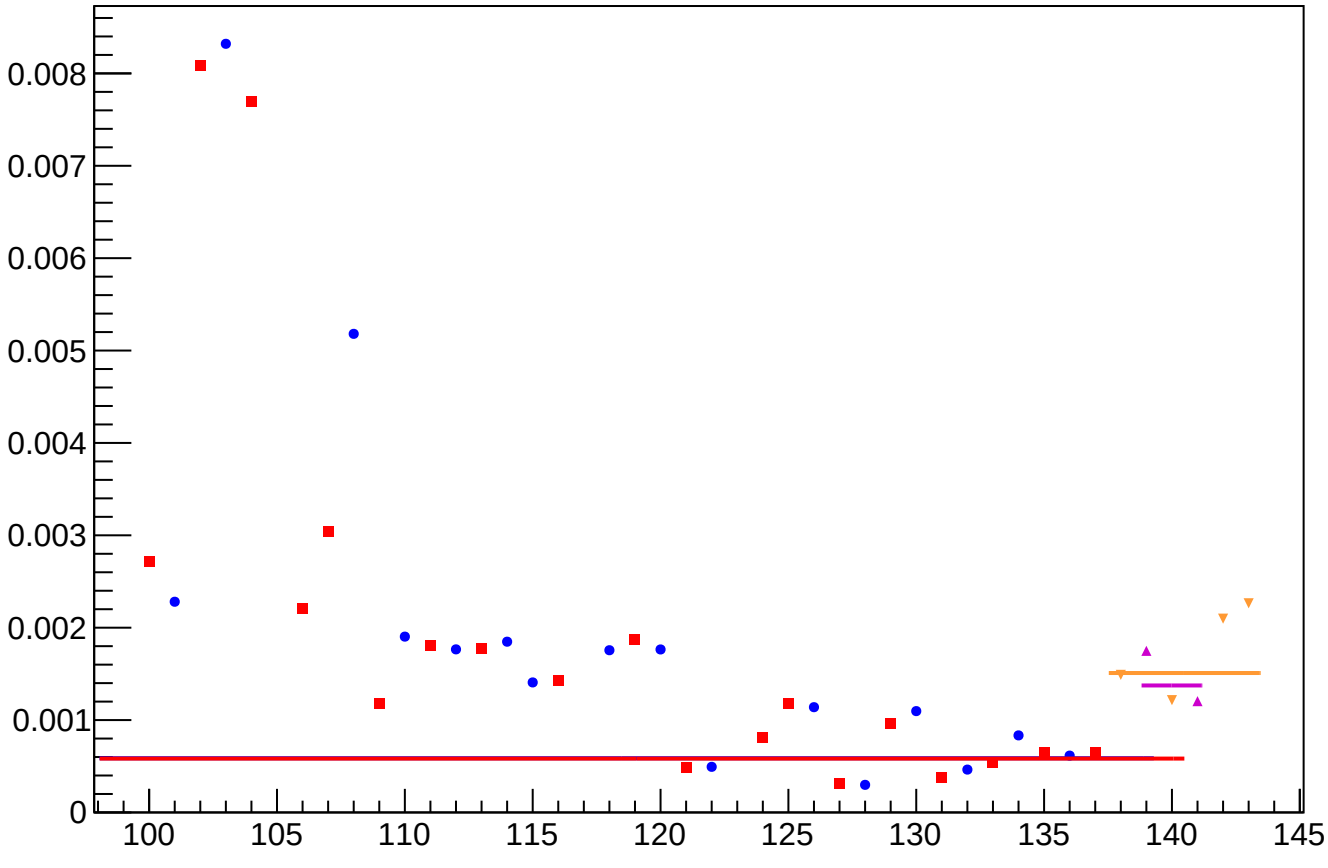
Left: -0.000+/-0.000 χ^2/NDF: 7.3/5

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:28.2/22

All: -0.000+/-0.000 χ^2/NDF: 47.5/40



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:342269.7/3

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: 472847.1/5

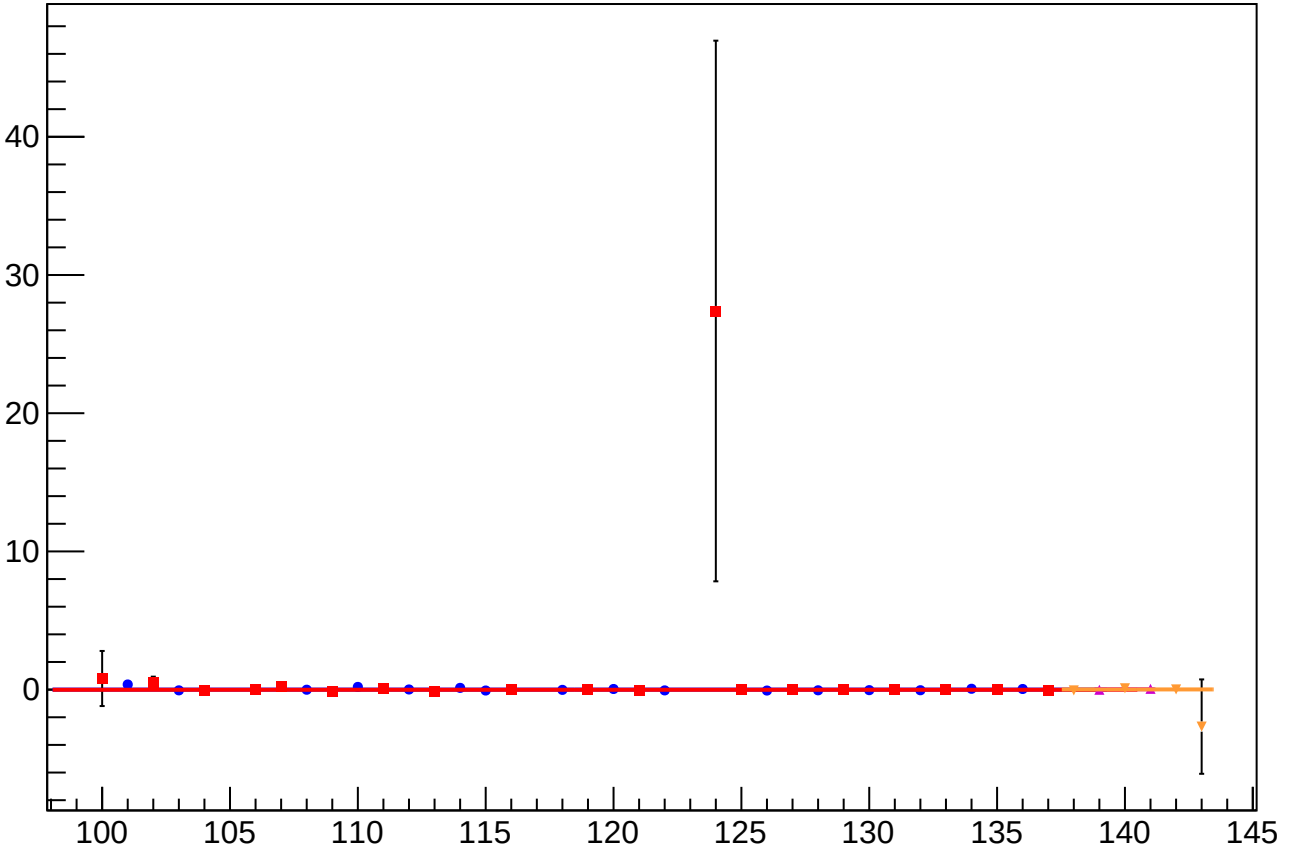
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:6616286.6/17

Out: 0.001+/-0.000 χ^2/NDF:7599801.0/22

All: 0.001+/-0.000 χ^2/NDF: 14221671.2/40

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.014+/-0.024 χ^2/NDF:8.7/3

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+/-0.018 χ^2/NDF: 10.3/5

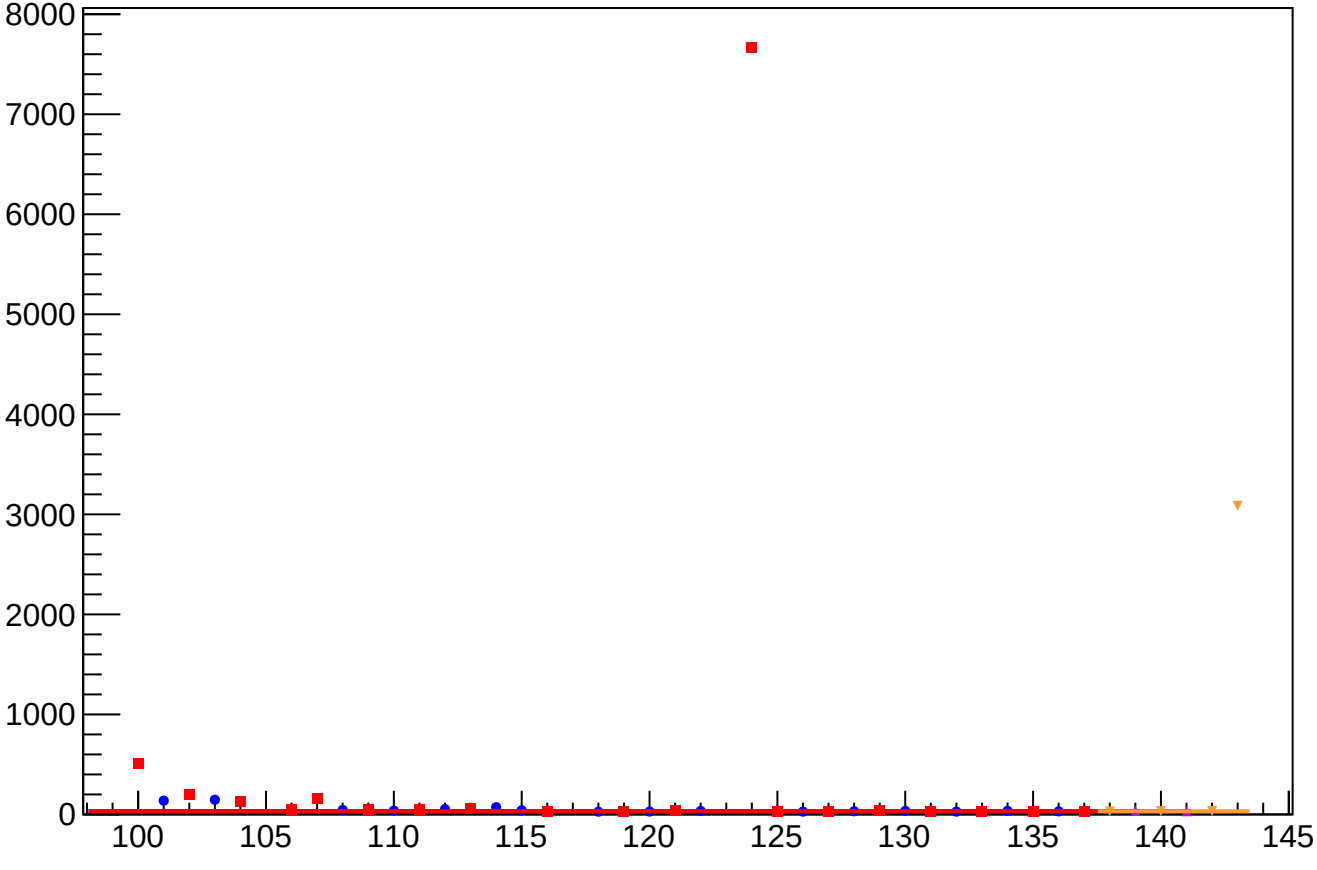
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: 0.001+/-0.009 χ^2/NDF: 47.5/40

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: 31.839+/-0.017 χ^2/NDF:1605555.7/3

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: 32.721+/-0.013 χ^2/NDF: 1621033.5/5

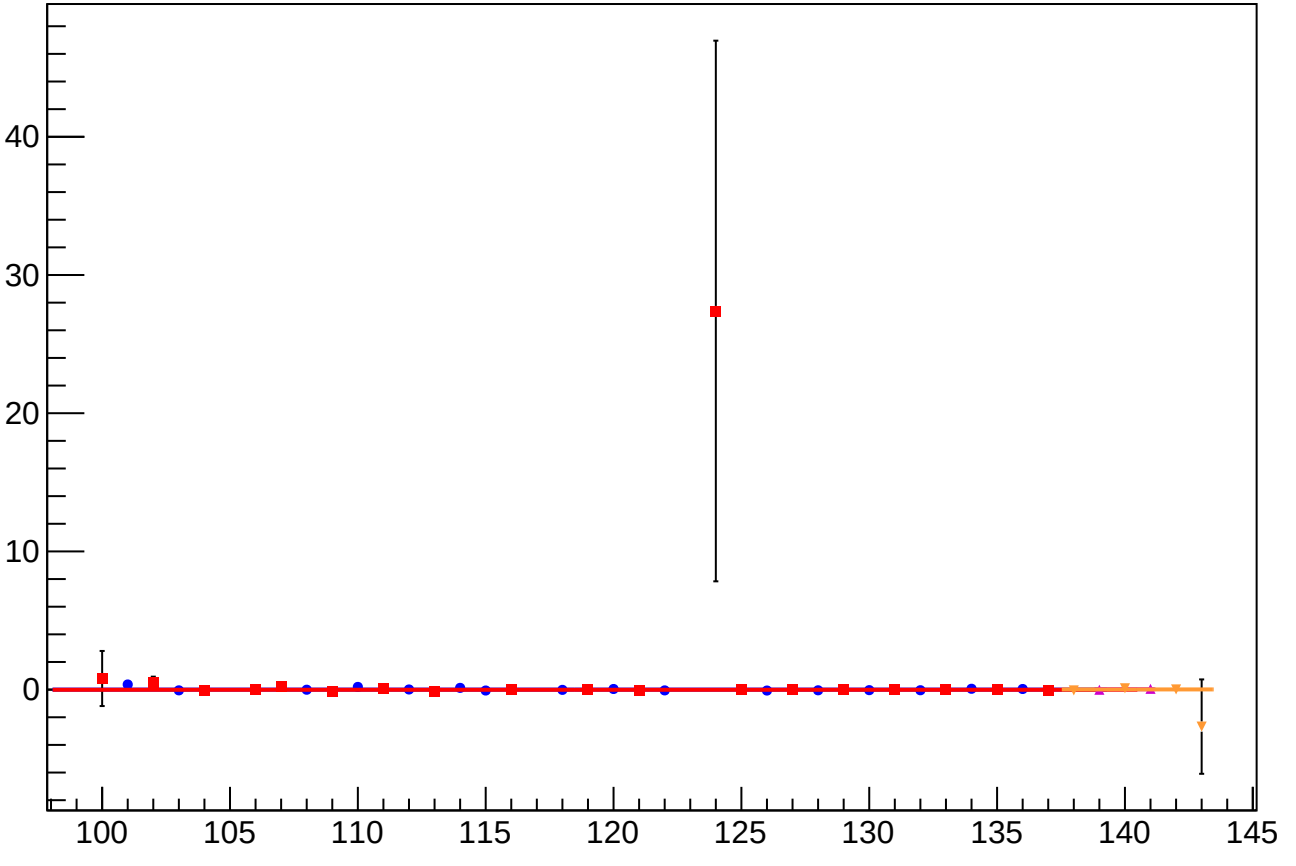
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.013+/-0.009 χ^2/NDF:1726637.5/17

Out: 32.740+/-0.009 χ^2/NDF:3684533.3/22

All: 33.359+/-0.006 χ^2/NDF: 5421029.2/40

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+/-0.024 χ^2/NDF:8.7/3

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+/-0.018 χ^2/NDF: 10.3/5

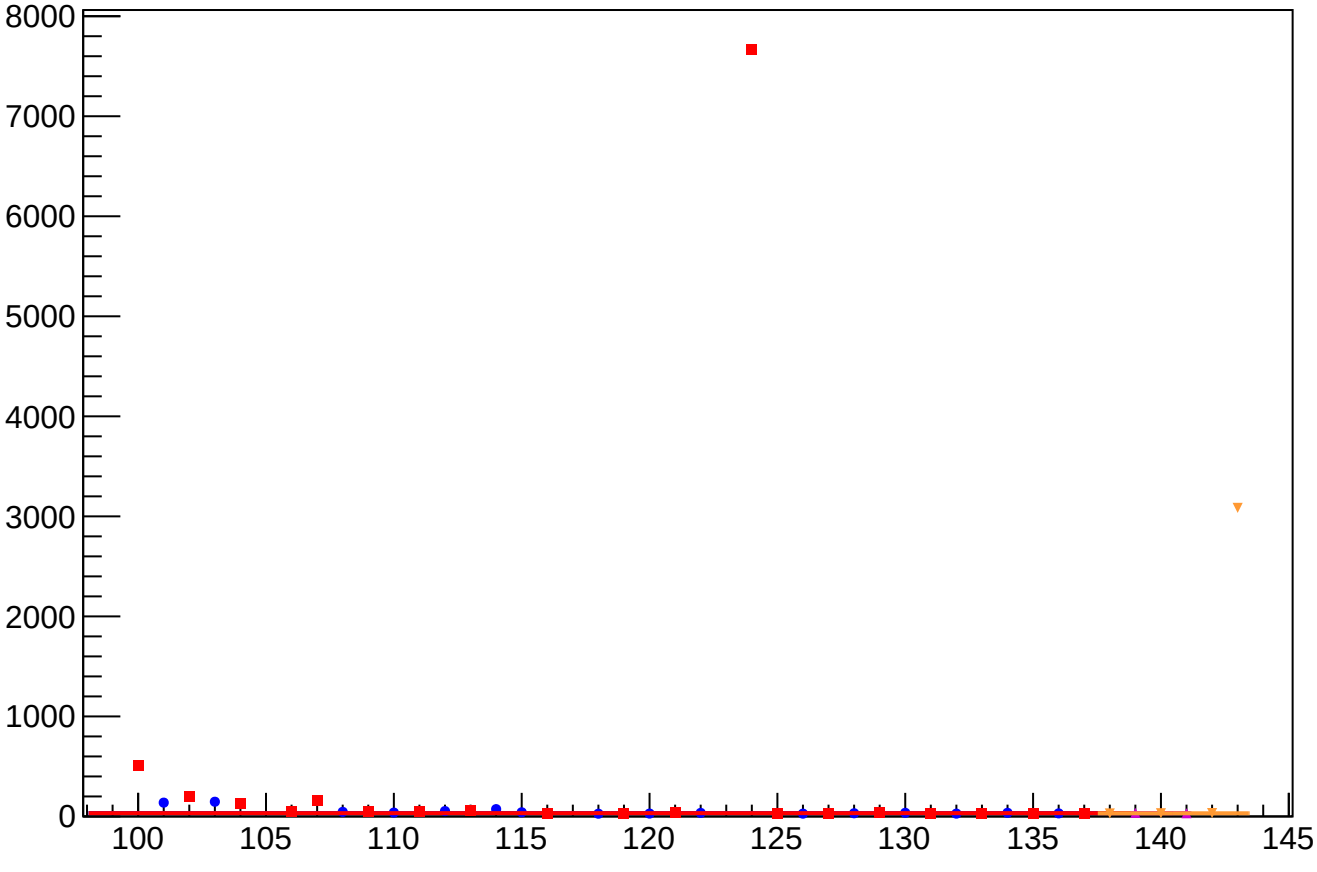
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.008+/-0.013 χ^2/NDF:23.3/17

Out: -0.005+/-0.013 χ^2/NDF:23.7/22

All: 0.001+/-0.009 χ^2/NDF: 47.5/40

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: 31.839+/-0.017 χ^2/NDF:1605555.7/3

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.865+/-0.019 χ^2/NDF:9308.0/1

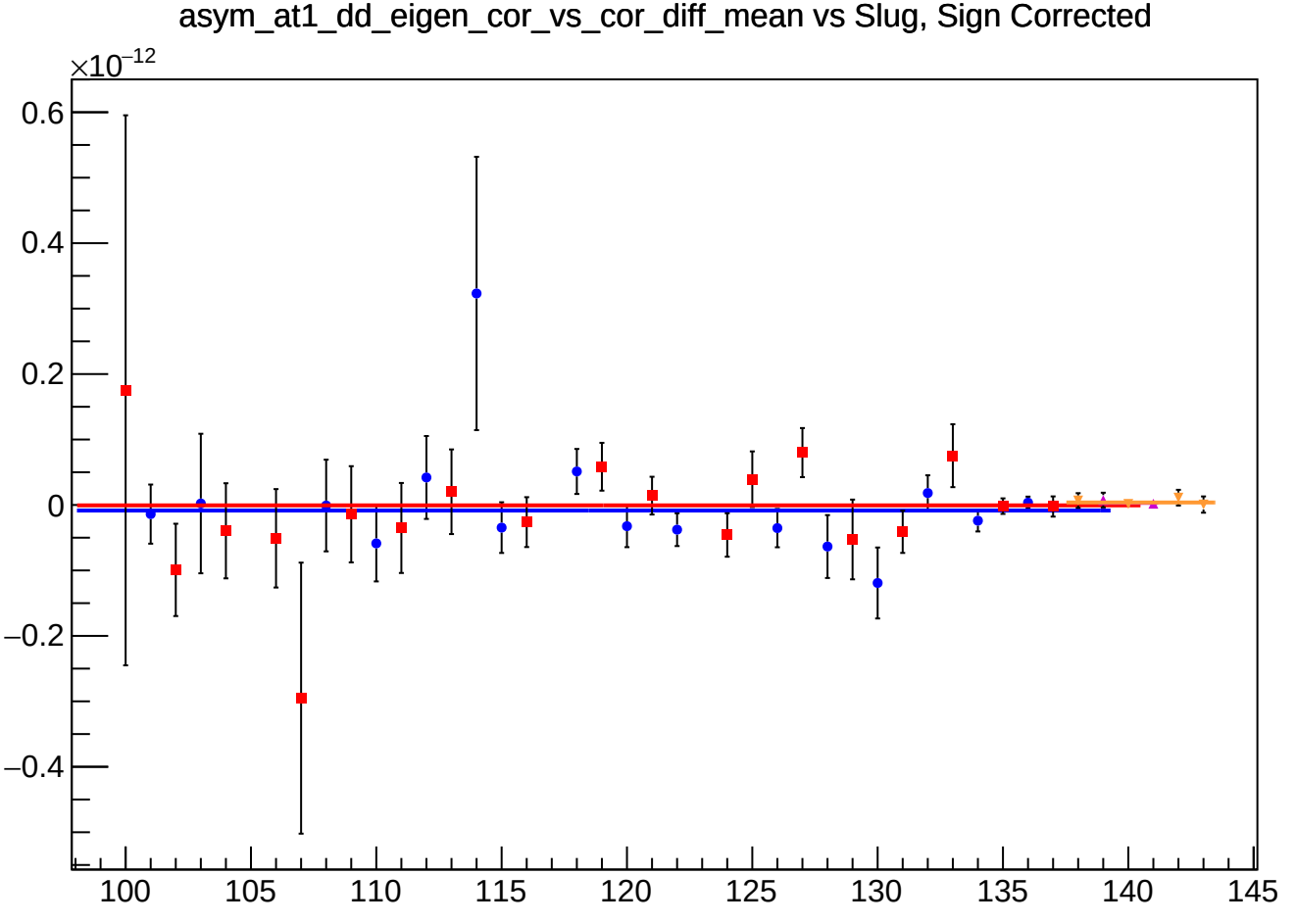
Left: 32.721+/-0.013 χ^2/NDF: 1621033.5/5

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.013+/-0.009 χ^2/NDF:1726637.5/17

Out: 32.740+/-0.009 χ^2/NDF:3684533.3/22

All: 33.359+/-0.006 χ^2/NDF: 5421029.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

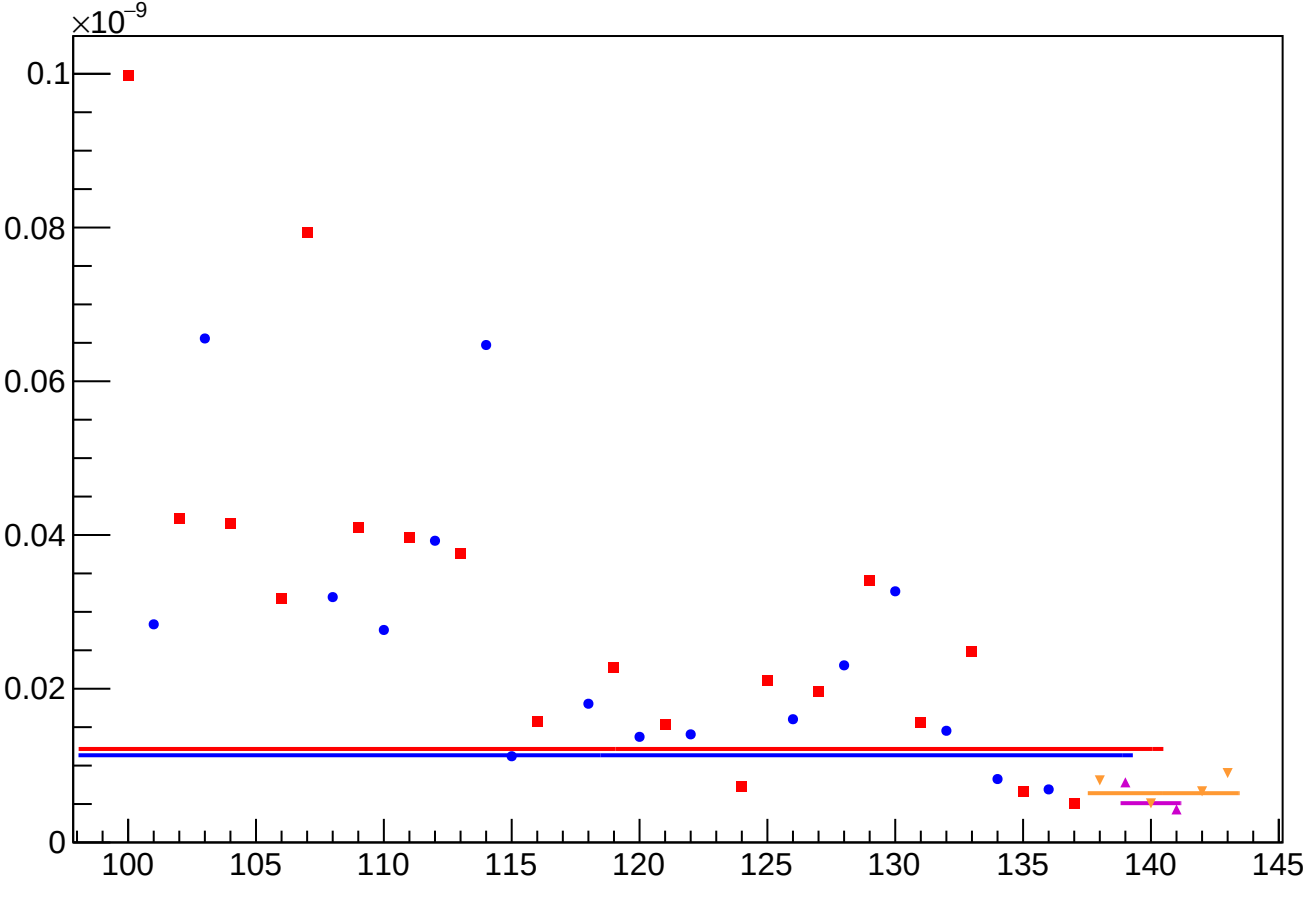
Left: 0.000+/-0.000 χ^2/NDF: 0.8/5

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:21.7/22

All: 0.000+/-0.000 χ^2/NDF: 43.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:217967.7/3

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: 434941.8/5

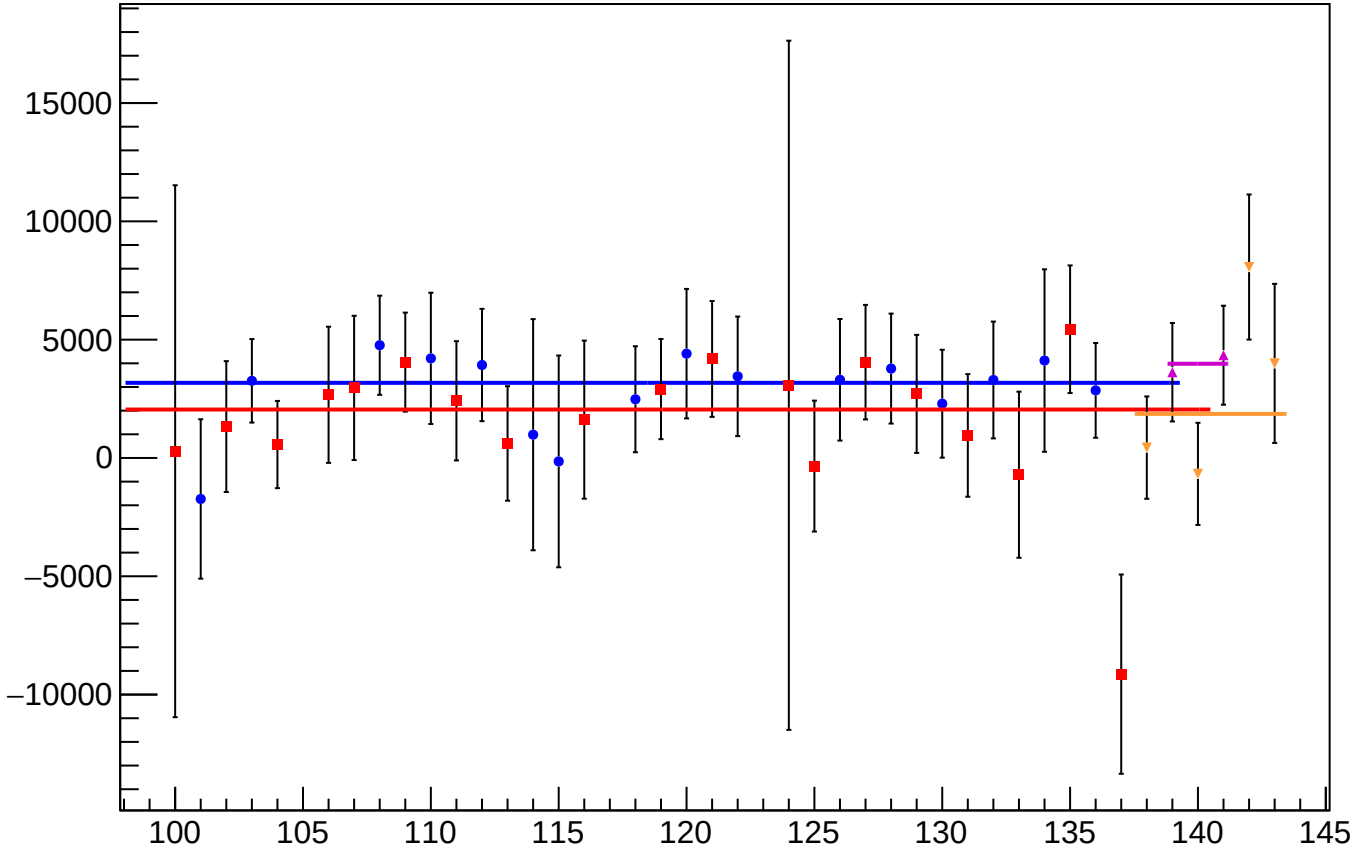
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4073094.0/17

Out: 0.000+/-0.000 χ^2/NDF:4862629.3/22

All: 0.000+/-0.000 χ^2/NDF: 8945938.8/40

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.091+/-1266.589 χ^2/NDF:6.3/3

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: 2761.552+/-960.946 χ^2/NDF: 7.6/5

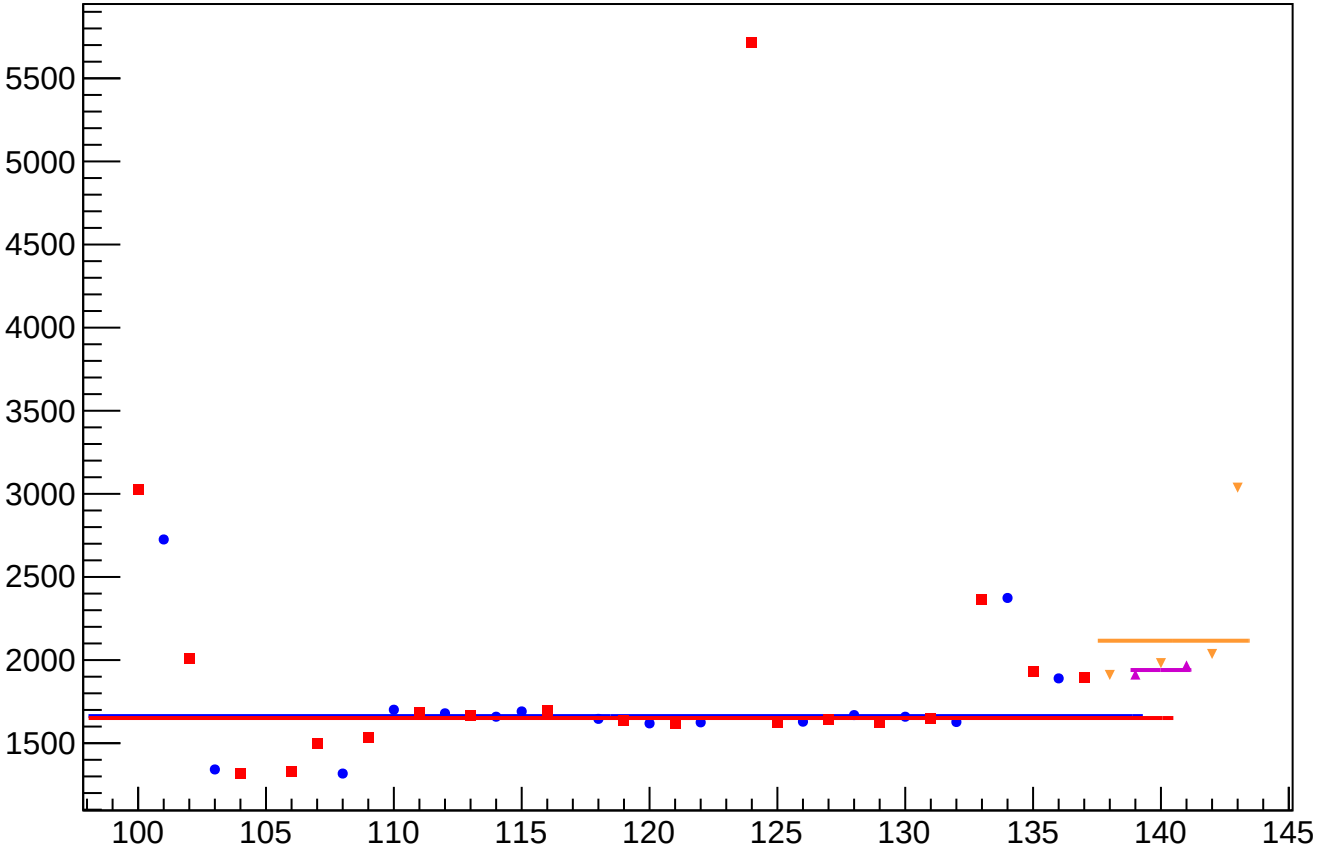
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3299.255+/-577.807 χ^2/NDF:4.6/17

Out: 2011.443+/-557.948 χ^2/NDF:20.4/22

All: 2632.838+/-401.366 χ^2/NDF: 27.6/40

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

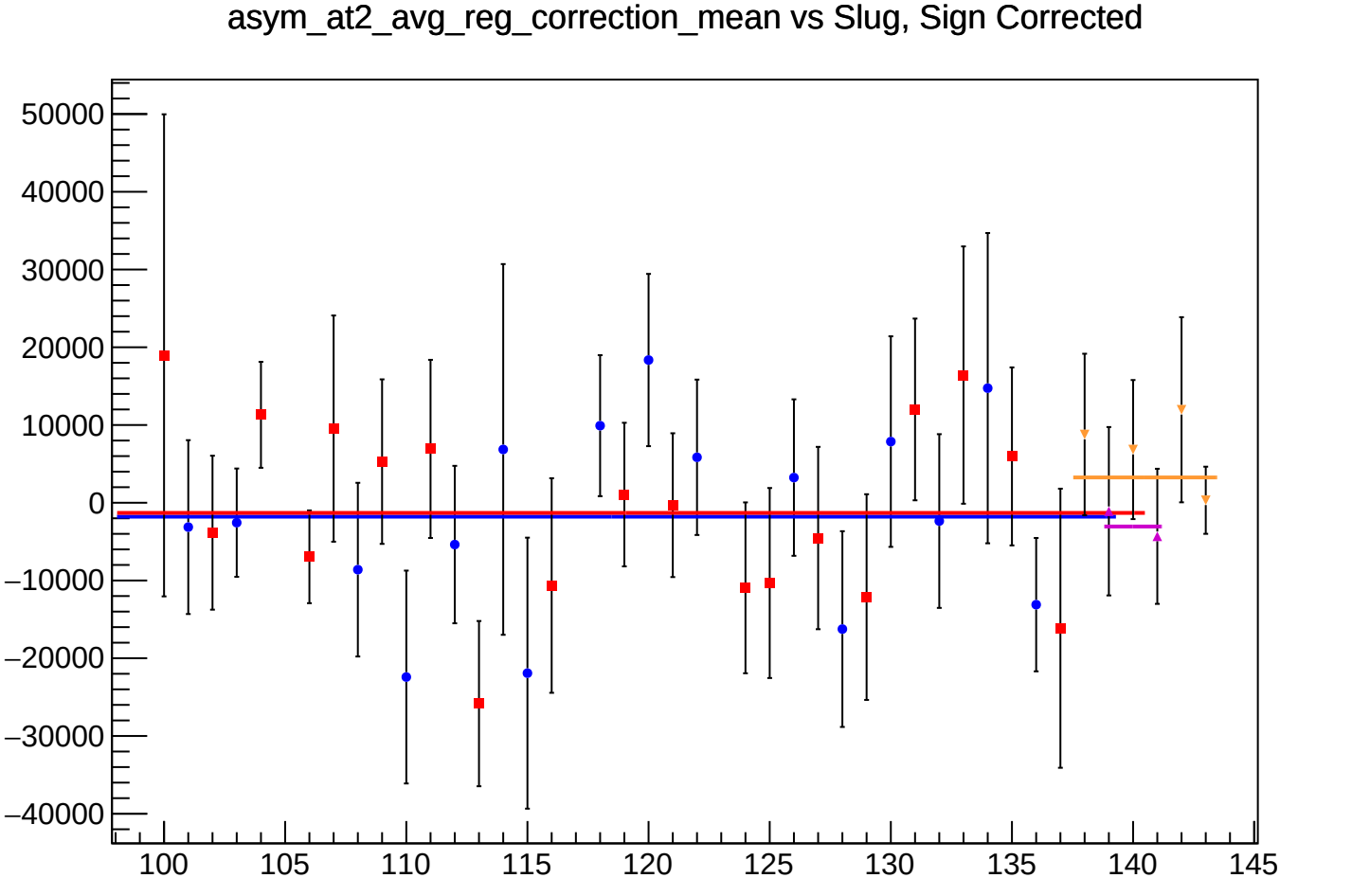
Left: 2041.642+/-0.679 χ^2/NDF: 194473.3/5

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1705.445+/-0.409 χ^2/NDF:476143.3/17

Out: 1741.581+/-0.395 χ^2/NDF:826686.9/22

All: 1724.145+/-0.284 χ^2/NDF: 1306878.1/40



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3255.940+/-3482.873 χ^2/NDF:1.4/3

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: -3055.028+/-6777.638 χ^2/NDF:0.1/1

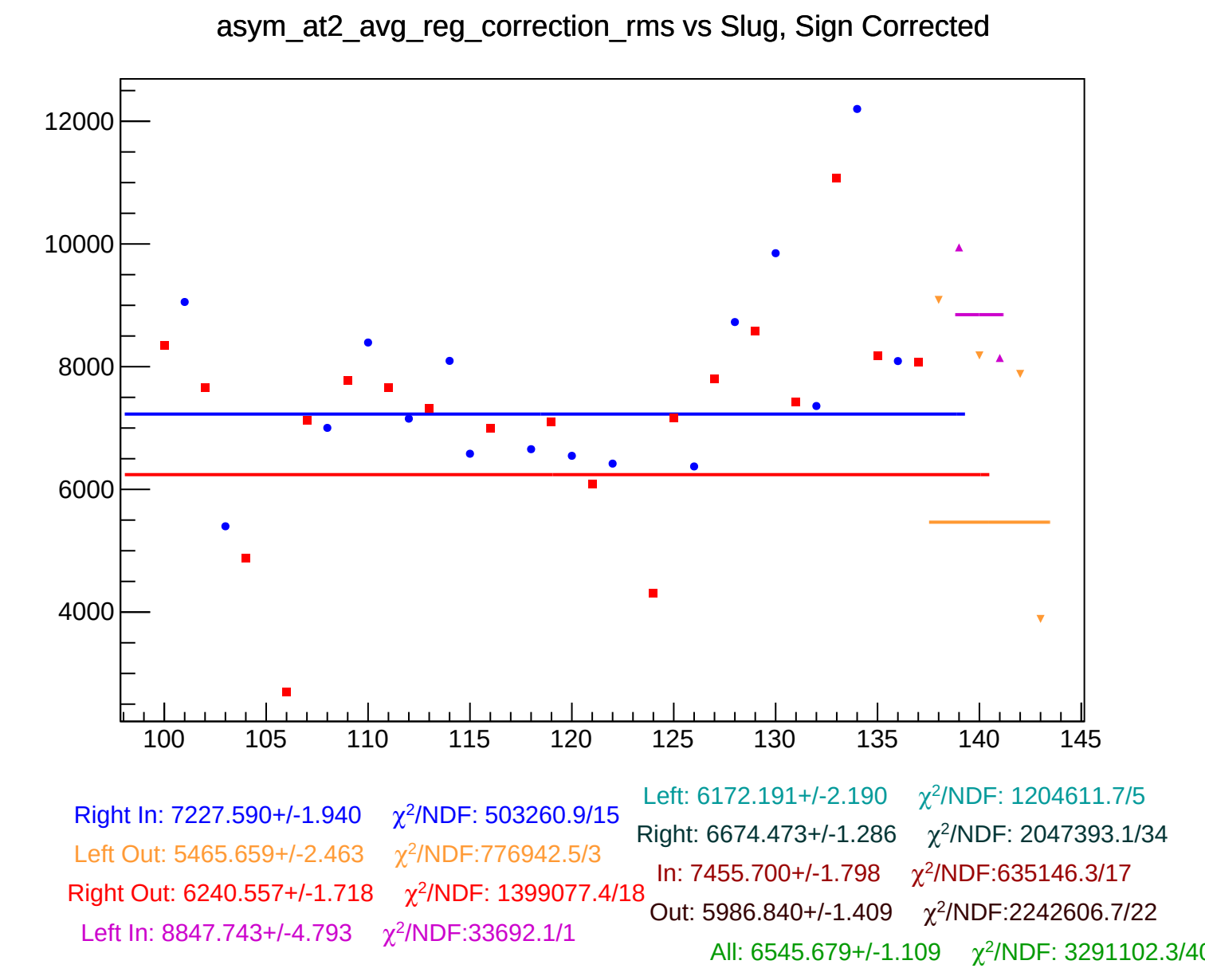
Left: 1937.551+/-3097.791 χ^2/NDF: 2.2/5

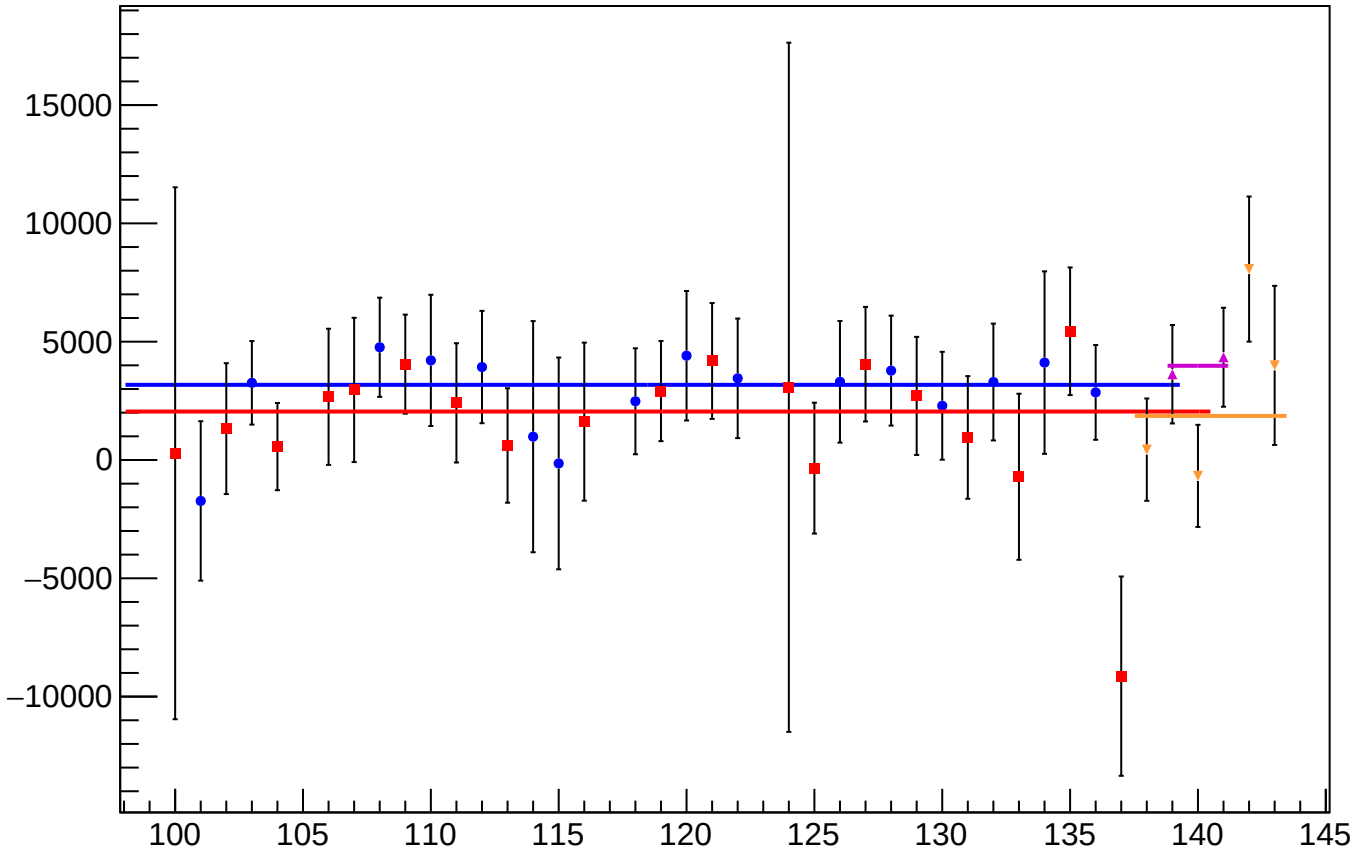
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -1968.995+/-2543.150 χ^2/NDF:14.4/17

Out: 187.458+/-1992.920 χ^2/NDF:20.3/22

All: -632.981+/-1568.647 χ^2/NDF: 35.2/40


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
105
110
115
120
125
130
135
140
145
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 5465.659+/-2.463 χ²/NDF:776942.5/3
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8847.743+/-4.793 χ²/NDF:33692.1/1
Left: 6172.191+/-2.190 χ²/NDF: 1204611.7/5
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7455.700+/-1.798 χ²/NDF:635146.3/17
Out: 5986.840+/-1.409 χ²/NDF:2242606.7/22
All: 6545.679+/-1.109 χ²/NDF: 3291102.3/40



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.133+/-1266.589 χ^2/NDF:6.3/3

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: 2761.595+/-960.946 χ^2/NDF: 7.6/5

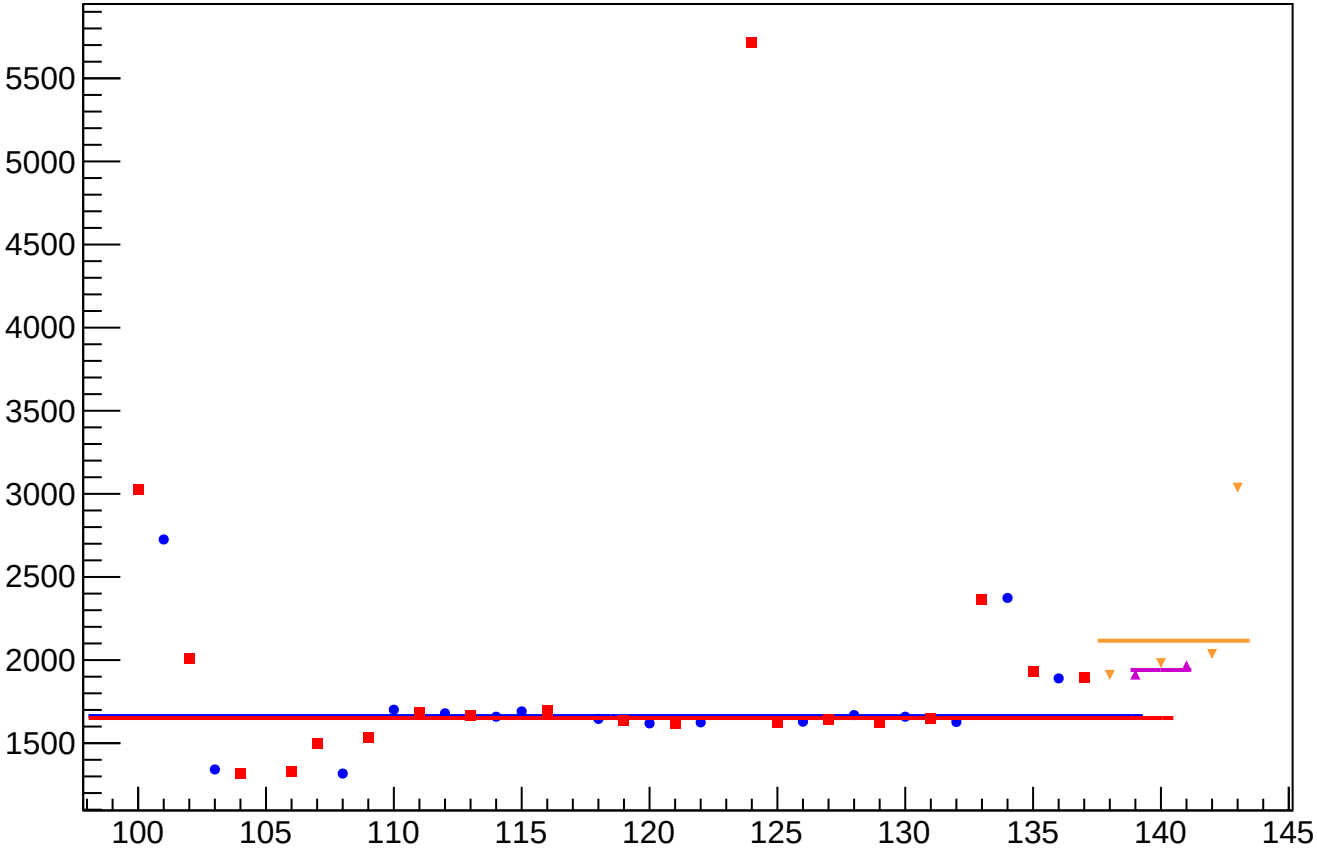
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3299.338+/-577.807 χ^2/NDF:4.6/17

Out: 2011.295+/-557.948 χ^2/NDF:20.4/22

All: 2632.801+/-401.366 χ^2/NDF: 27.6/40

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

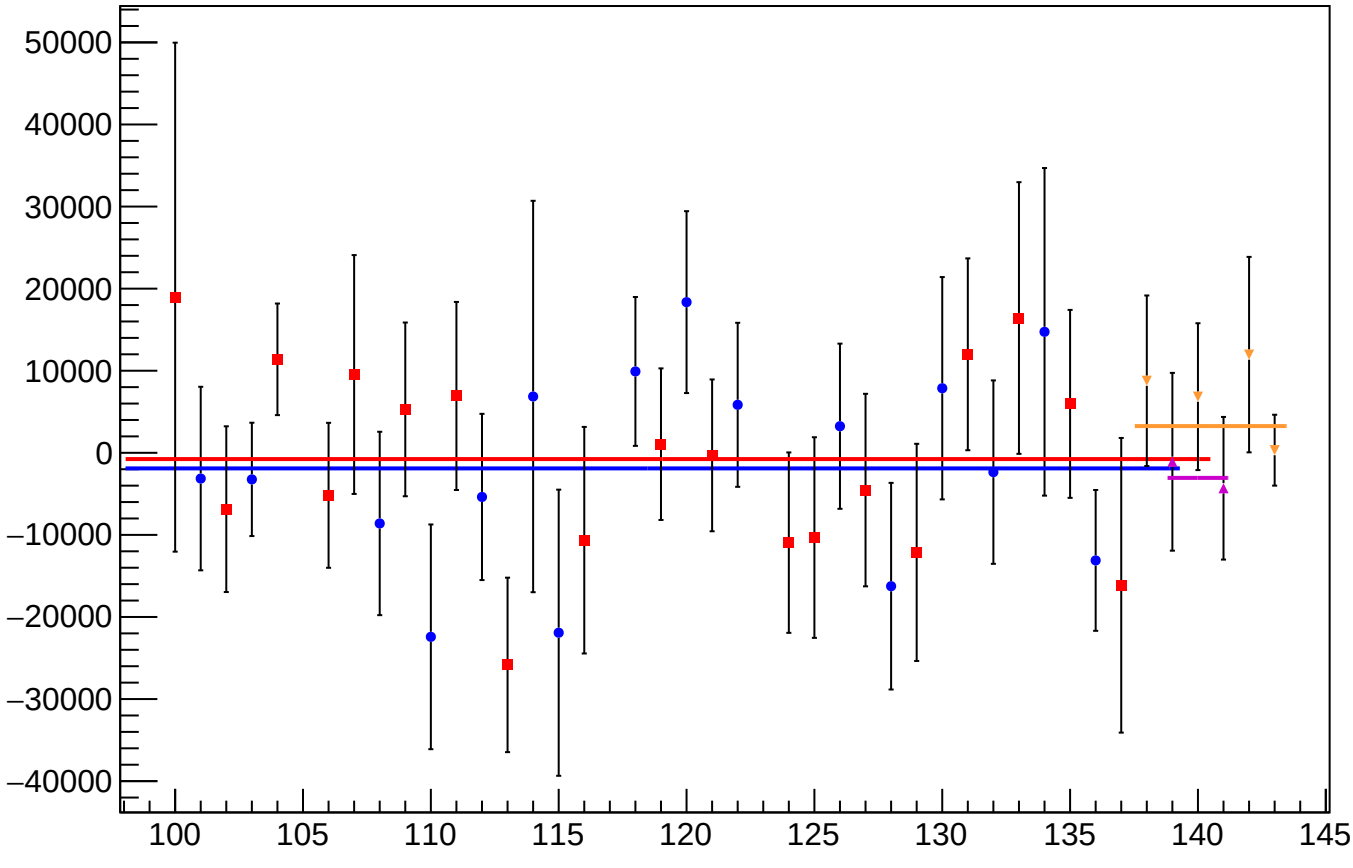
Left: 2041.642+/-0.679 χ^2/NDF: 194473.3/5

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1705.445+/-0.409 χ^2/NDF:476143.6/17

Out: 1741.581+/-0.395 χ^2/NDF:826687.1/22

All: 1724.145+/-0.284 χ^2/NDF: 1306878.7/40



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3255.748+/-3482.848 χ^2/NDF:1.4/3

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: -3055.098+/-6777.632 χ^2/NDF:0.1/1

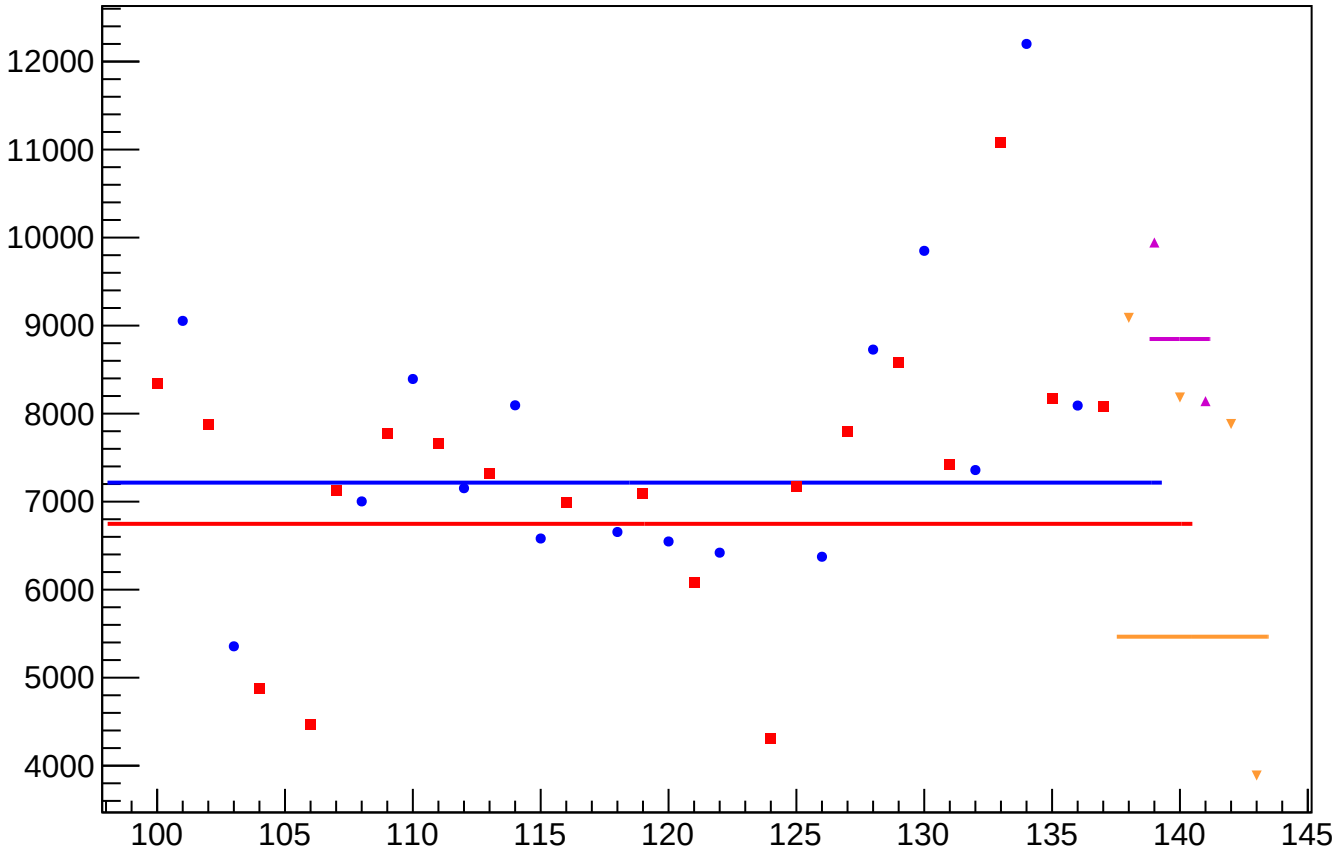
Left: 1937.398+/-3097.773 χ^2/NDF: 2.2/5

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -2062.367+/-2540.231 χ^2/NDF:14.4/17

Out: 639.750+/-2057.454 χ^2/NDF:19.6/22

All: -430.669+/-1598.814 χ^2/NDF: 34.7/40



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5465.609+/-2.463 χ^2/NDF:776959.6/3

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8847.734+/-4.793 χ^2/NDF:33692.3/1

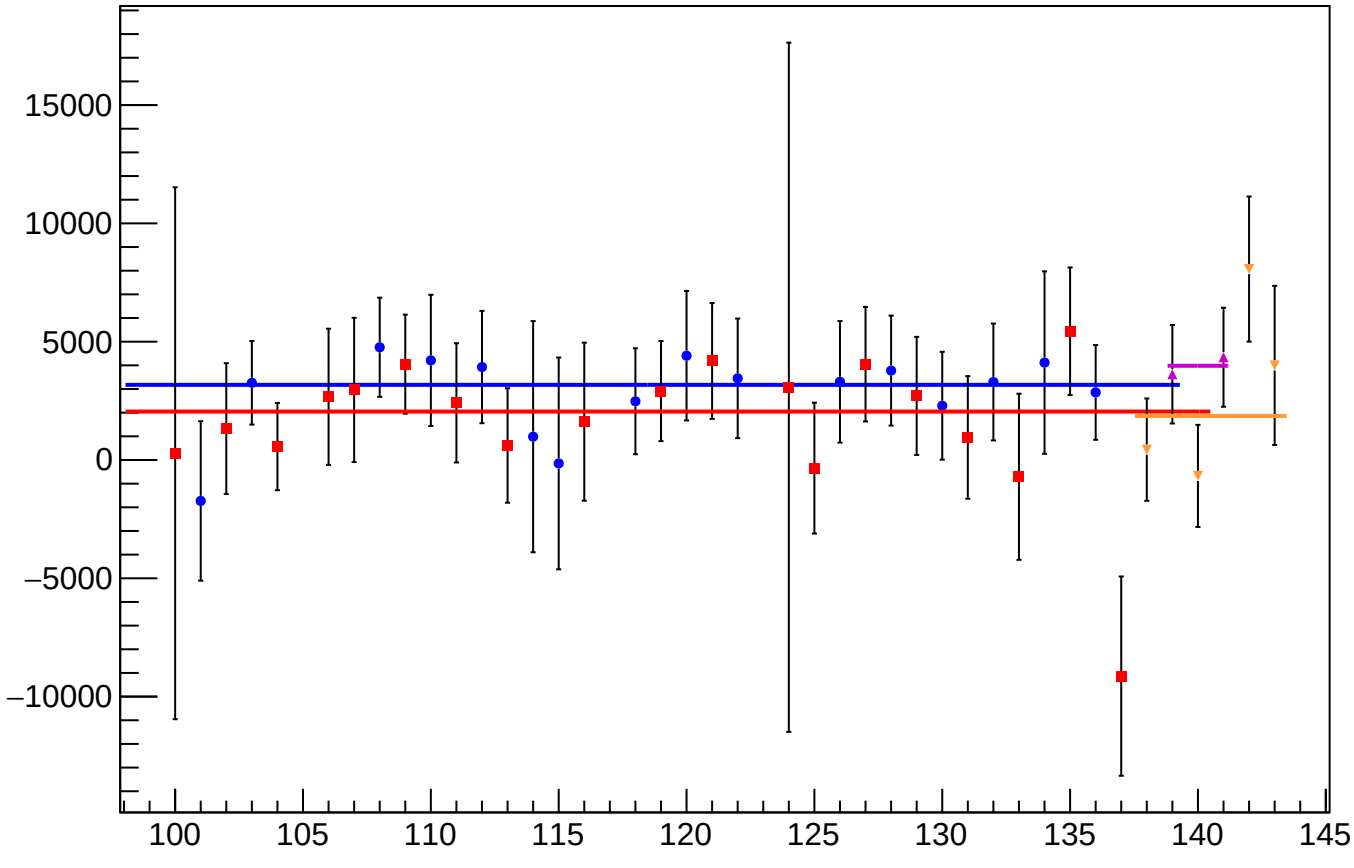
Left: 6172.143+/-2.190 χ^2/NDF: 1204640.4/5

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7445.239+/-1.796 χ^2/NDF:645454.8/17

Out: 6300.309+/-1.455 χ^2/NDF:1662203.3/22

All: 6753.862+/-1.131 χ^2/NDF: 2553002.8/40



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1862.133+/-1266.589 χ^2/NDF:6.3/3

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3981.542+/-1475.079 χ^2/NDF:0.1/1

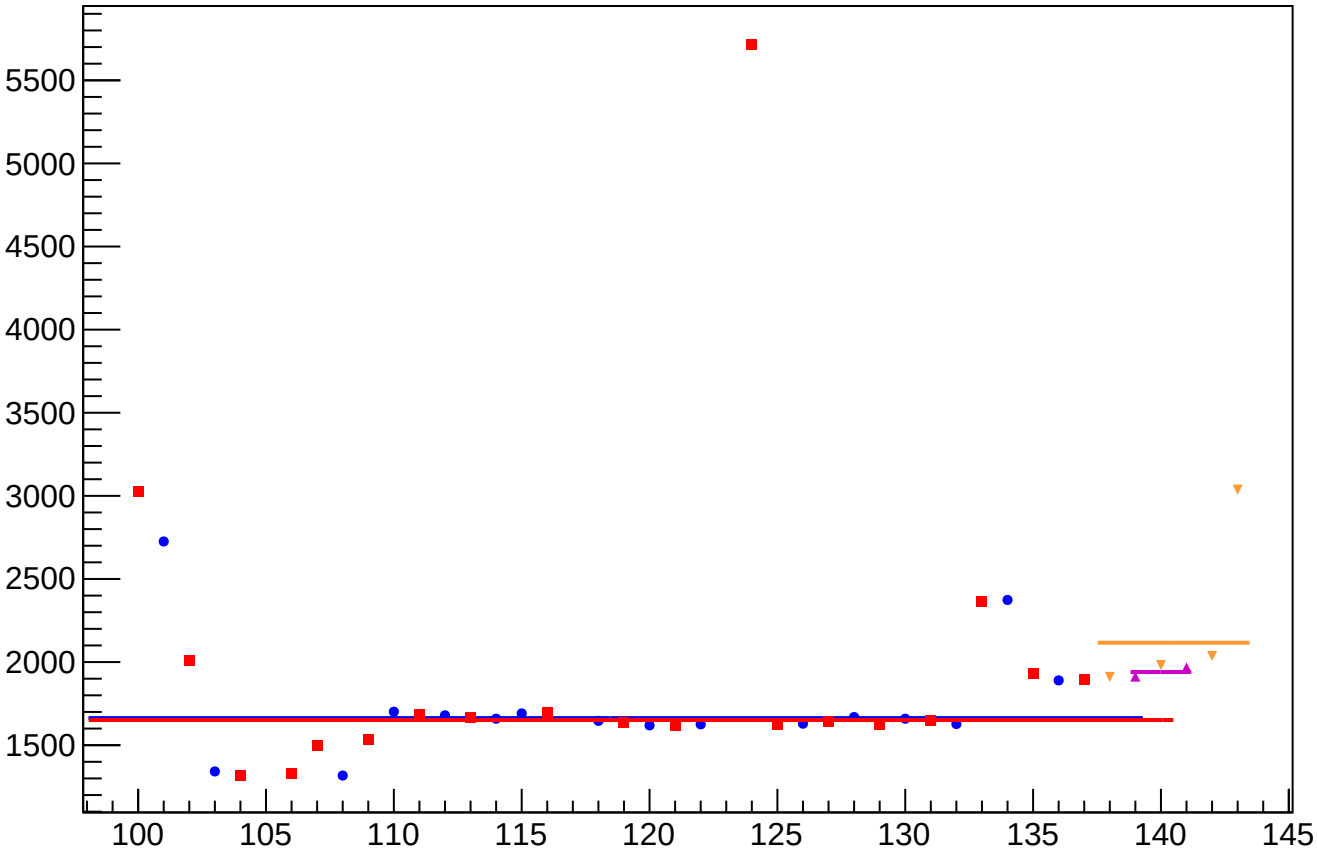
Left: 2761.595+/-960.946 χ^2/NDF: 7.6/5

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3299.338+/-577.807 χ^2/NDF:4.6/17

Out: 2011.295+/-557.948 χ^2/NDF:20.4/22

All: 2632.801+/-401.366 χ^2/NDF: 27.6/40



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2116.455+/-0.896 χ^2/NDF:177341.0/3

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1940.171+/-1.043 χ^2/NDF:690.4/1

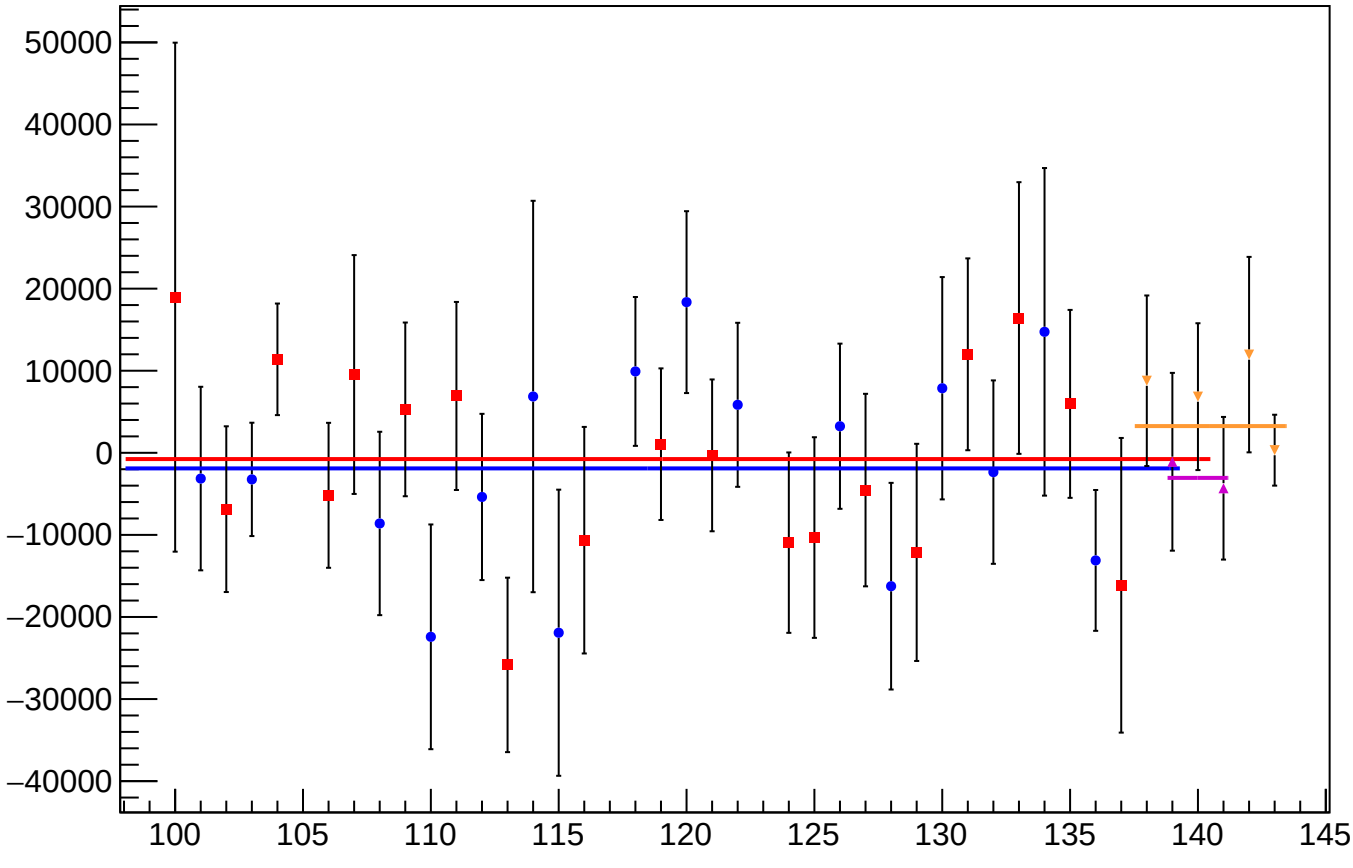
Left: 2041.642+/-0.679 χ^2/NDF: 194473.3/5

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1705.445+/-0.409 χ^2/NDF:476143.6/17

Out: 1741.581+/-0.395 χ^2/NDF:826687.1/22

All: 1724.145+/-0.284 χ^2/NDF: 1306878.7/40



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3255.748+/-3482.848 χ^2/NDF:1.4/3

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: -3055.098+/-6777.632 χ^2/NDF:0.1/1

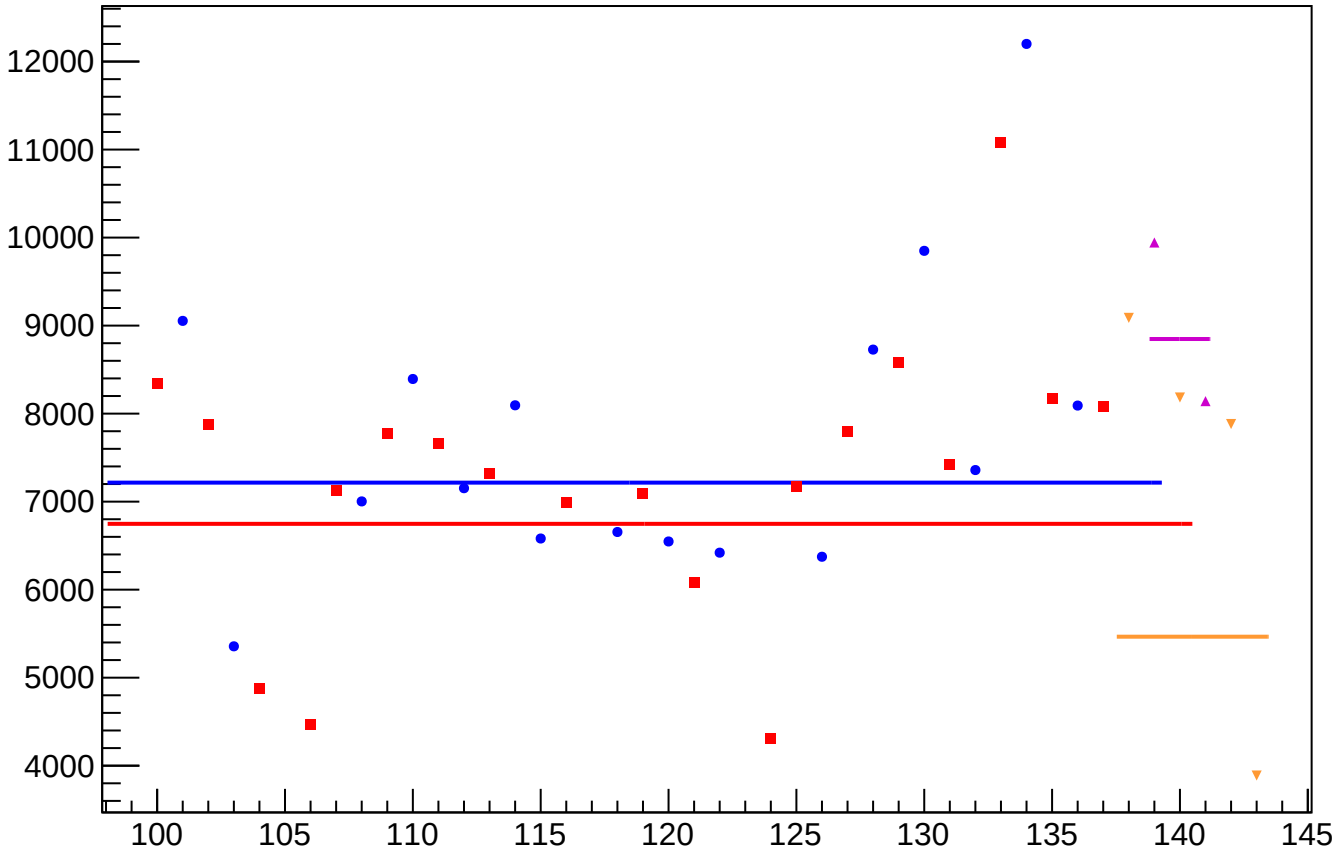
Left: 1937.398+/-3097.773 χ^2/NDF: 2.2/5

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -2062.367+/-2540.231 χ^2/NDF:14.4/17

Out: 639.750+/-2057.454 χ^2/NDF:19.6/22

All: -430.669+/-1598.814 χ^2/NDF: 34.7/40



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5465.609+/-2.463 χ^2/NDF:776959.6/3

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: 6172.143+/-2.190 χ^2/NDF: 1204640.4/5

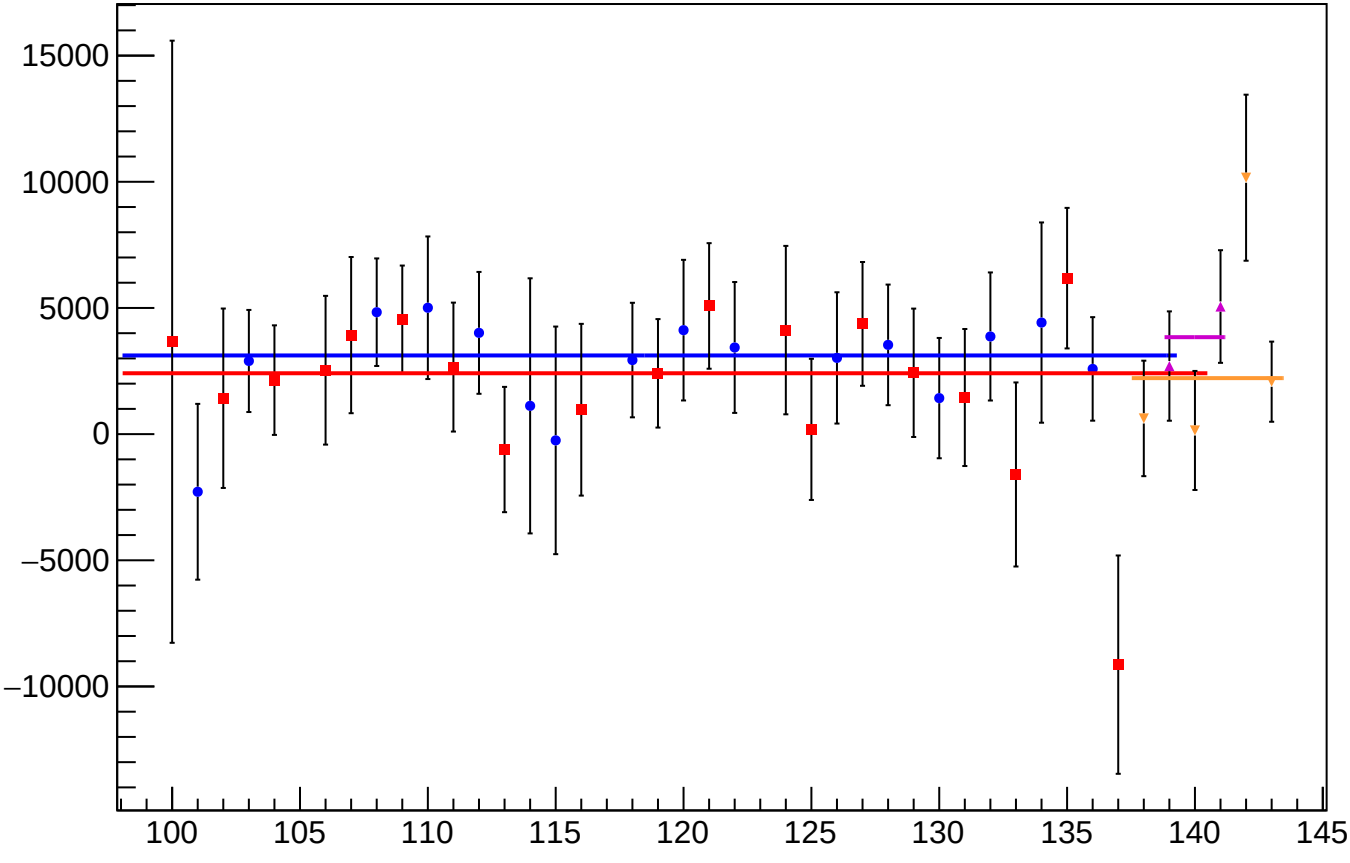
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7445.239+/-1.796 χ^2/NDF:645454.8/17

Out: 6300.309+/-1.455 χ^2/NDF:1662203.3/22

All: 6753.862+/-1.131 χ^2/NDF: 2553002.8/40

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 2219.275+/-1078.543 χ^2/NDF:7.1/3

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3842.124+/-1554.671 χ^2/NDF:0.6/1

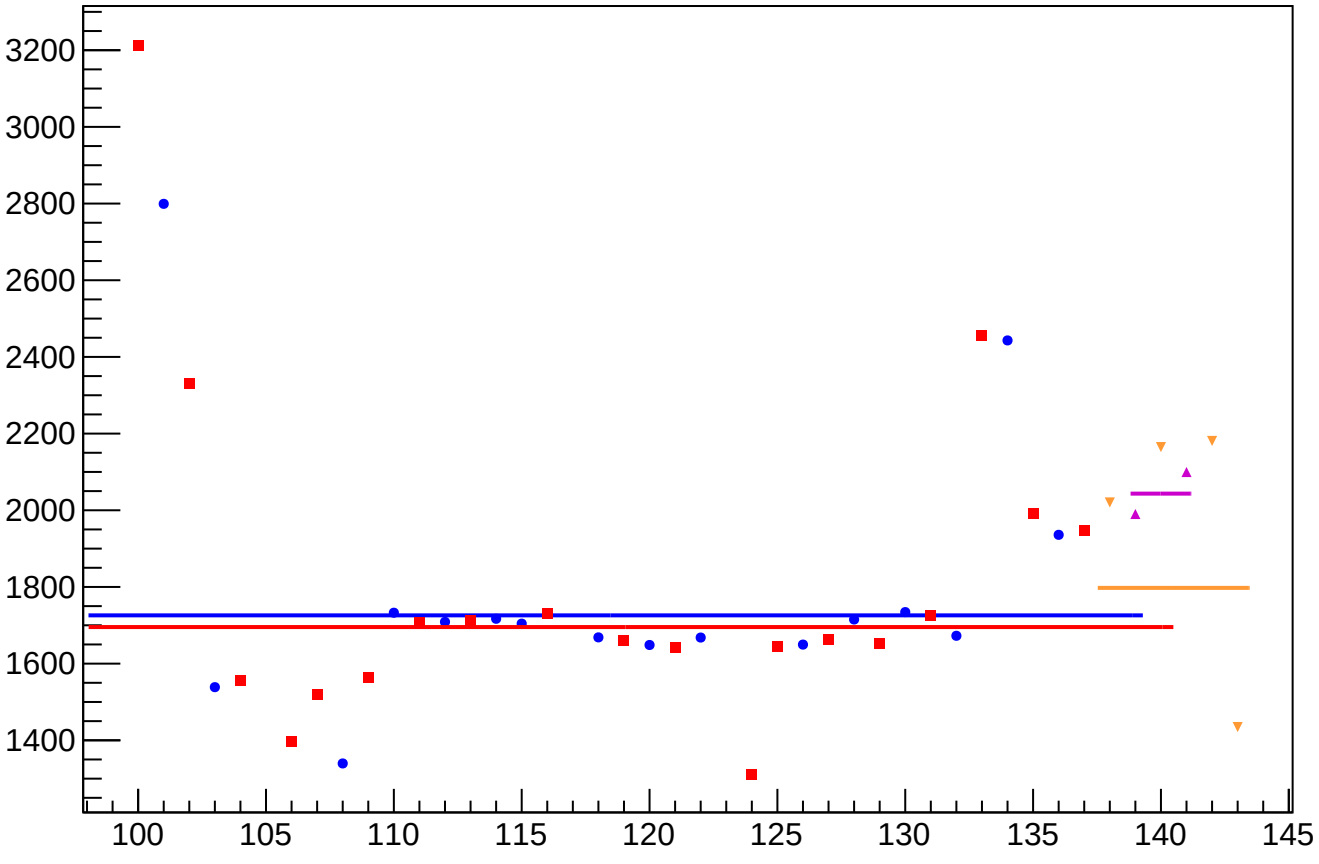
Left: 2746.552+/-886.173 χ^2/NDF: 8.4/5

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3225.957+/-600.574 χ^2/NDF:6.1/17

Out: 2362.275+/-549.768 χ^2/NDF:23.1/22

All: 2756.045+/-405.519 χ^2/NDF: 30.3/40



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1797.578+/-0.763 χ^2/NDF:199078.5/3

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 2043.421+/-1.099 χ^2/NDF:2475.6/1

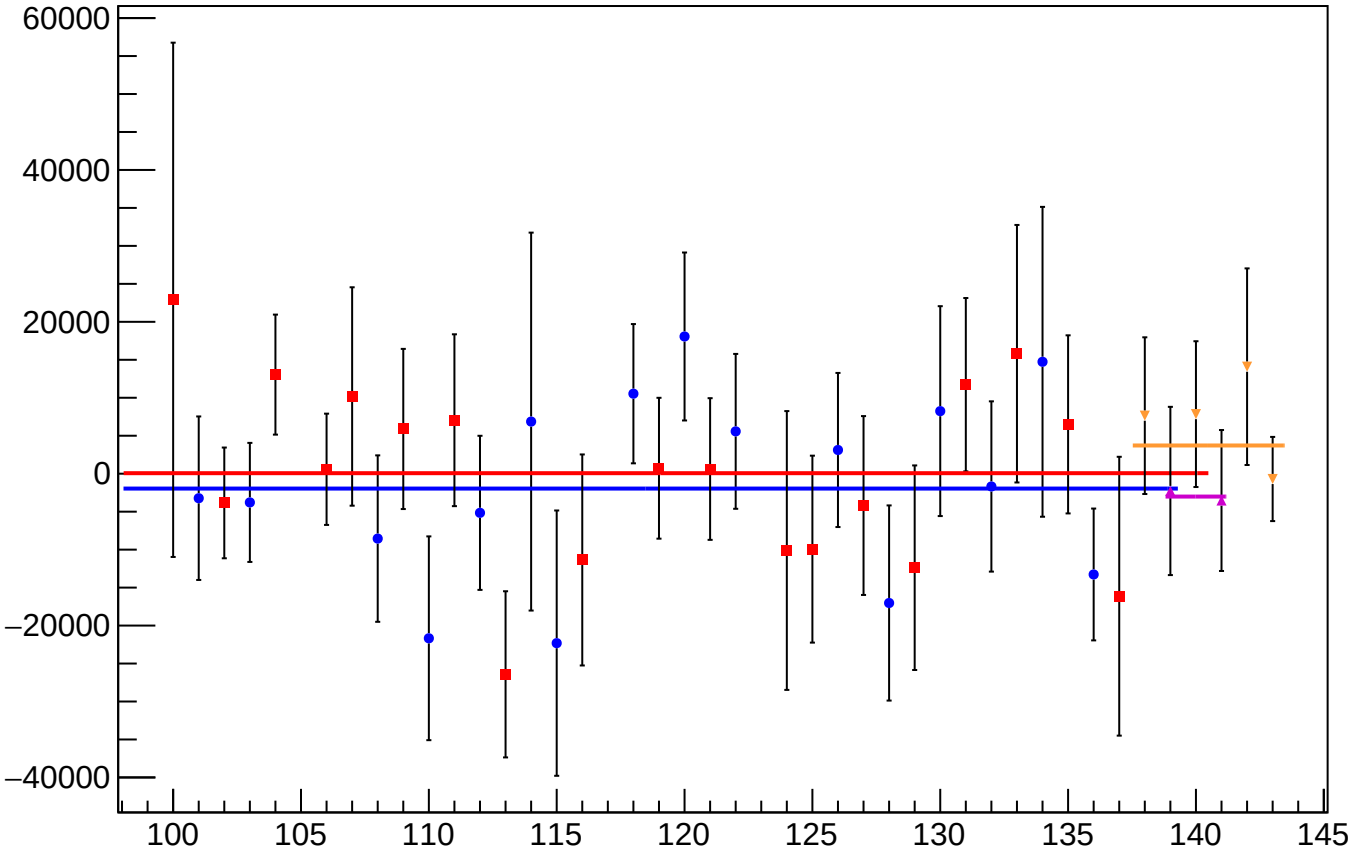
Left: 1877.454+/-0.627 χ^2/NDF: 235316.5/5

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1773.293+/-0.425 χ^2/NDF:439085.6/17

Out: 1721.925+/-0.389 χ^2/NDF:497992.6/22

All: 1745.337+/-0.287 χ^2/NDF: 945040.9/40



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 3715.539+/-4125.691 χ^2/NDF:1.6/3

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: -3011.596+/-7114.105 χ^2/NDF:0.0/1

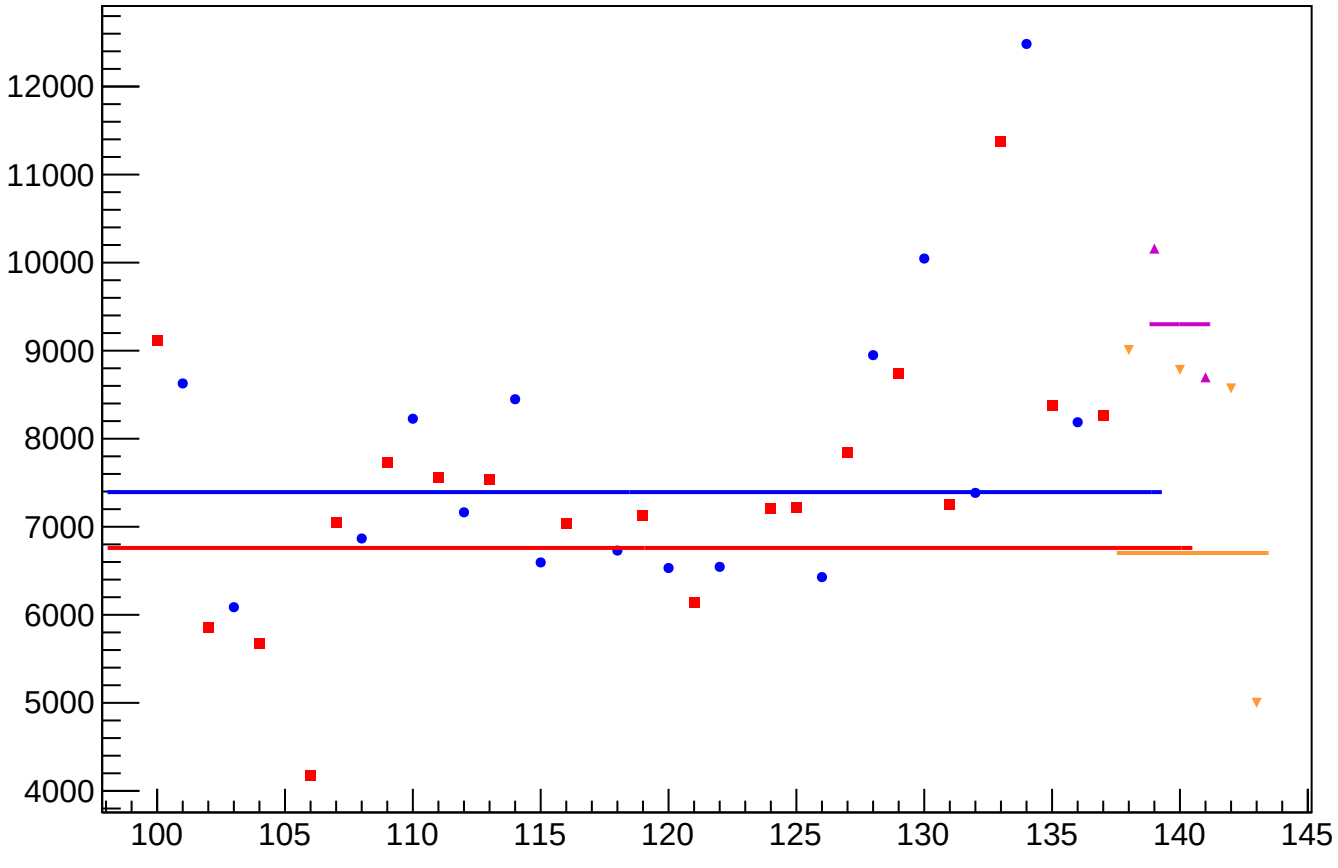
Left: 2022.478+/-3568.958 χ^2/NDF: 2.3/5

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -2099.656+/-2604.096 χ^2/NDF:14.4/17

Out: 1064.653+/-2156.473 χ^2/NDF:18.3/22

All: -222.578+/-1660.909 χ^2/NDF: 33.6/40



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 6702.139+/-2.917 χ^2/NDF:423868.3/3

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9300.263+/-5.030 χ^2/NDF:20471.7/1

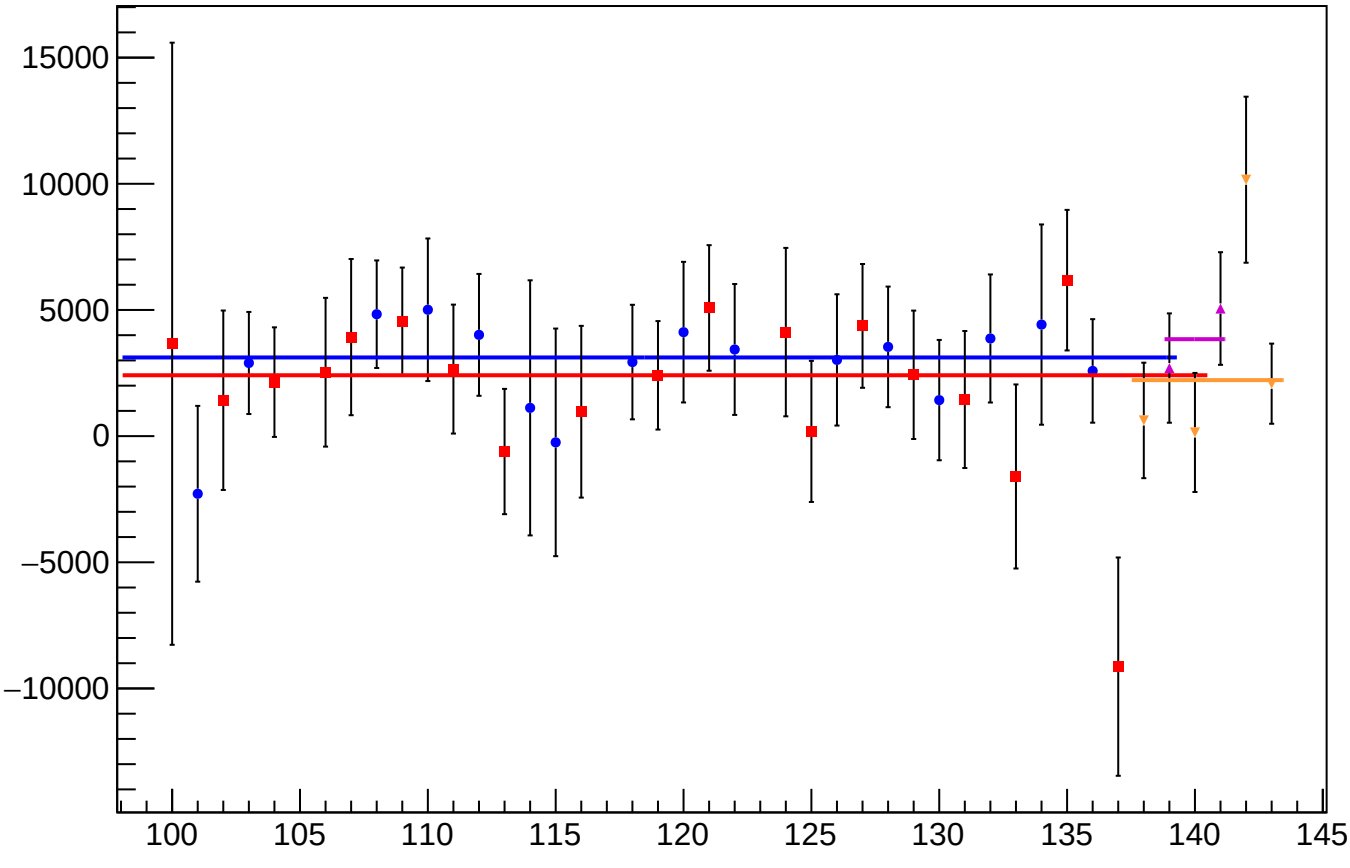
Left: 7356.025+/-2.524 χ^2/NDF: 643957.6/5

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7649.094+/-1.841 χ^2/NDF:546707.0/17

Out: 6743.776+/-1.525 χ^2/NDF:1068439.5/22

All: 7112.056+/-1.174 χ^2/NDF: 1758537.4/40



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 2219.276+/-1078.544 χ^2/NDF:7.1/3

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3842.099+/-1554.672 χ^2/NDF:0.6/1

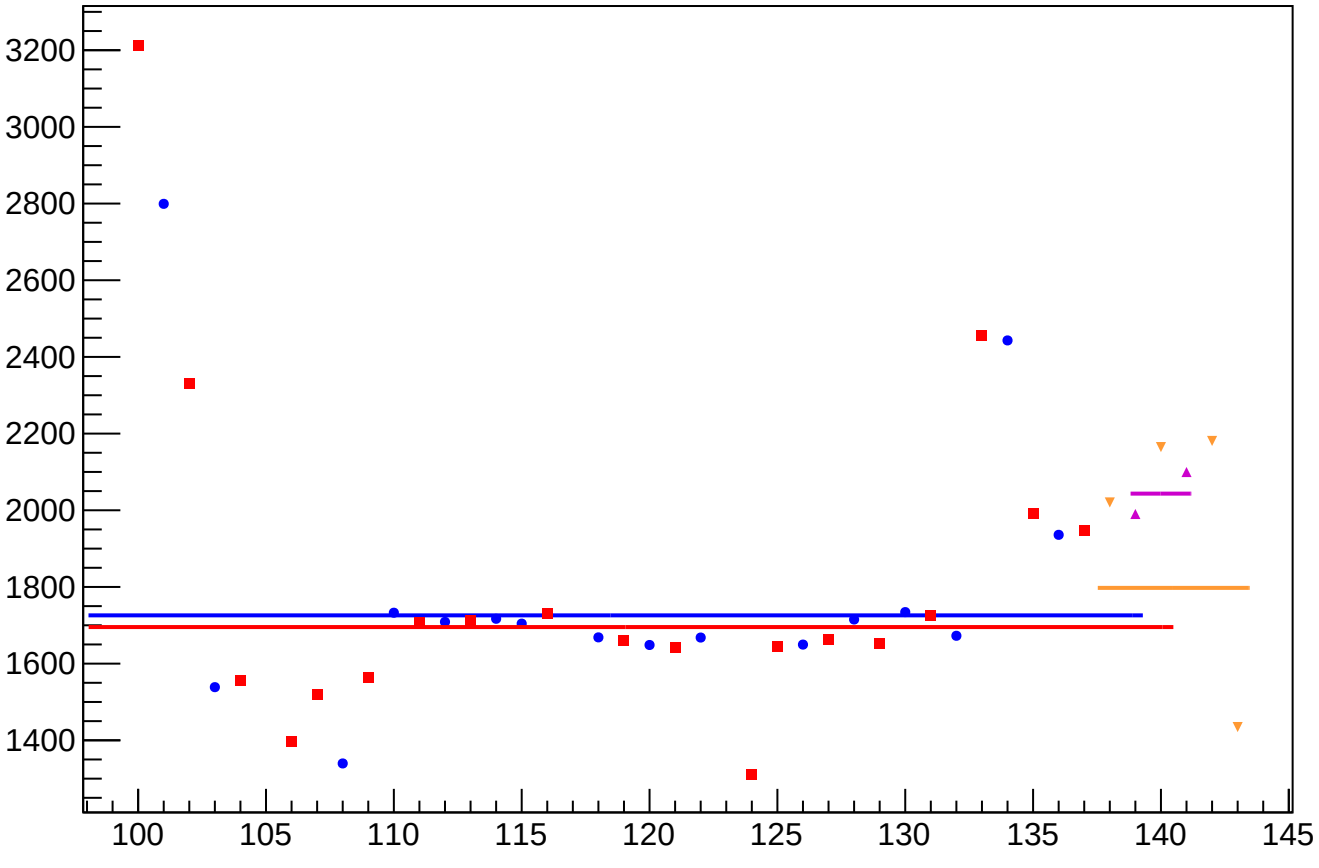
Left: 2746.544+/-886.175 χ^2/NDF: 8.4/5

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3225.956+/-600.574 χ^2/NDF:6.1/17

Out: 2362.281+/-549.768 χ^2/NDF:23.1/22

All: 2756.048+/-405.519 χ^2/NDF: 30.3/40



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1797.580+/-0.763 χ^2/NDF:199078.0/3

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2043.424+/-1.099 χ^2/NDF:2475.4/1

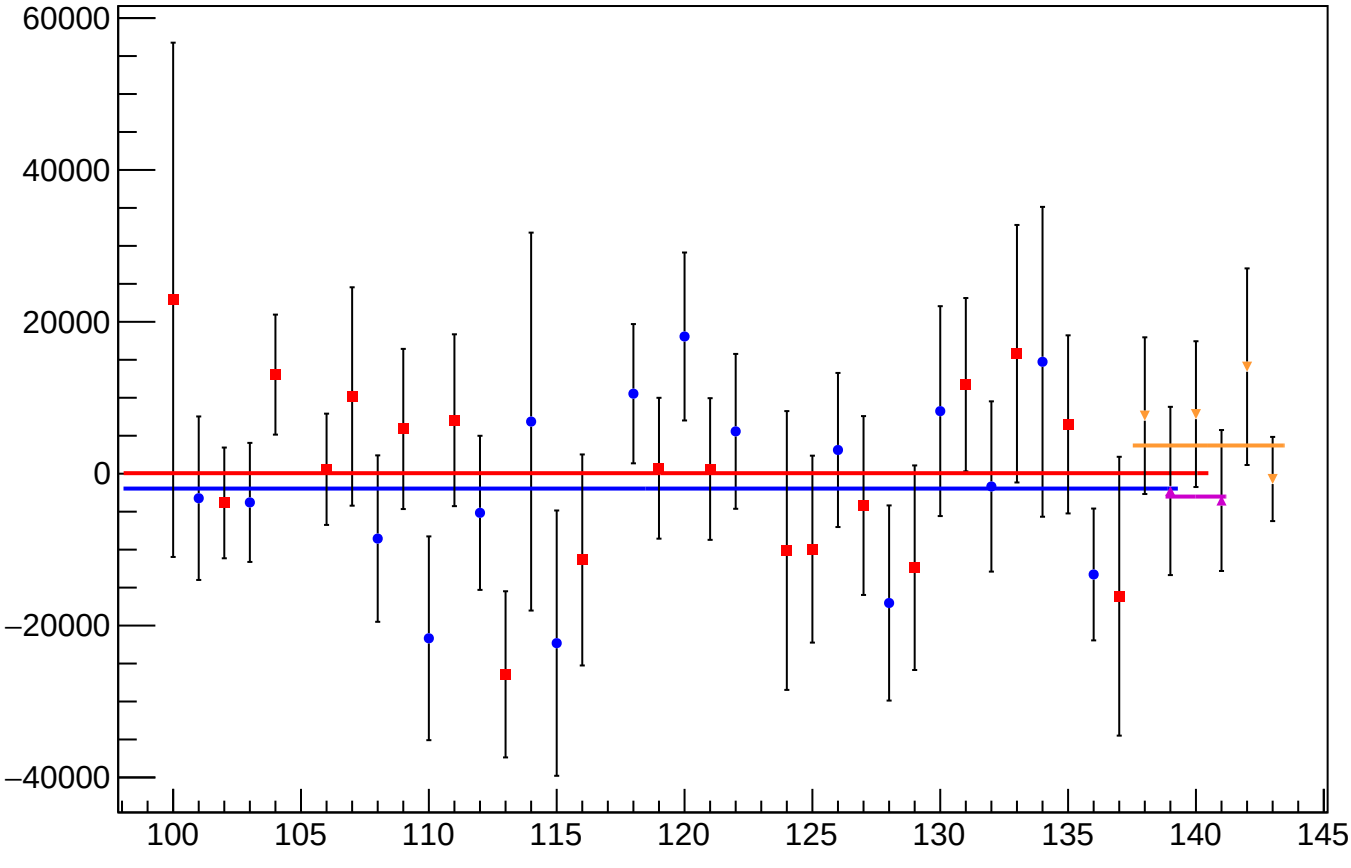
Left: 1877.457+/-0.627 χ^2/NDF: 235315.8/5

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1773.293+/-0.425 χ^2/NDF:439086.7/17

Out: 1721.925+/-0.389 χ^2/NDF:497993.1/22

All: 1745.338+/-0.287 χ^2/NDF: 945042.3/40



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3715.542+/-4125.699 χ^2/NDF:1.6/3

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -3011.618+/-7114.116 χ^2/NDF:0.0/1

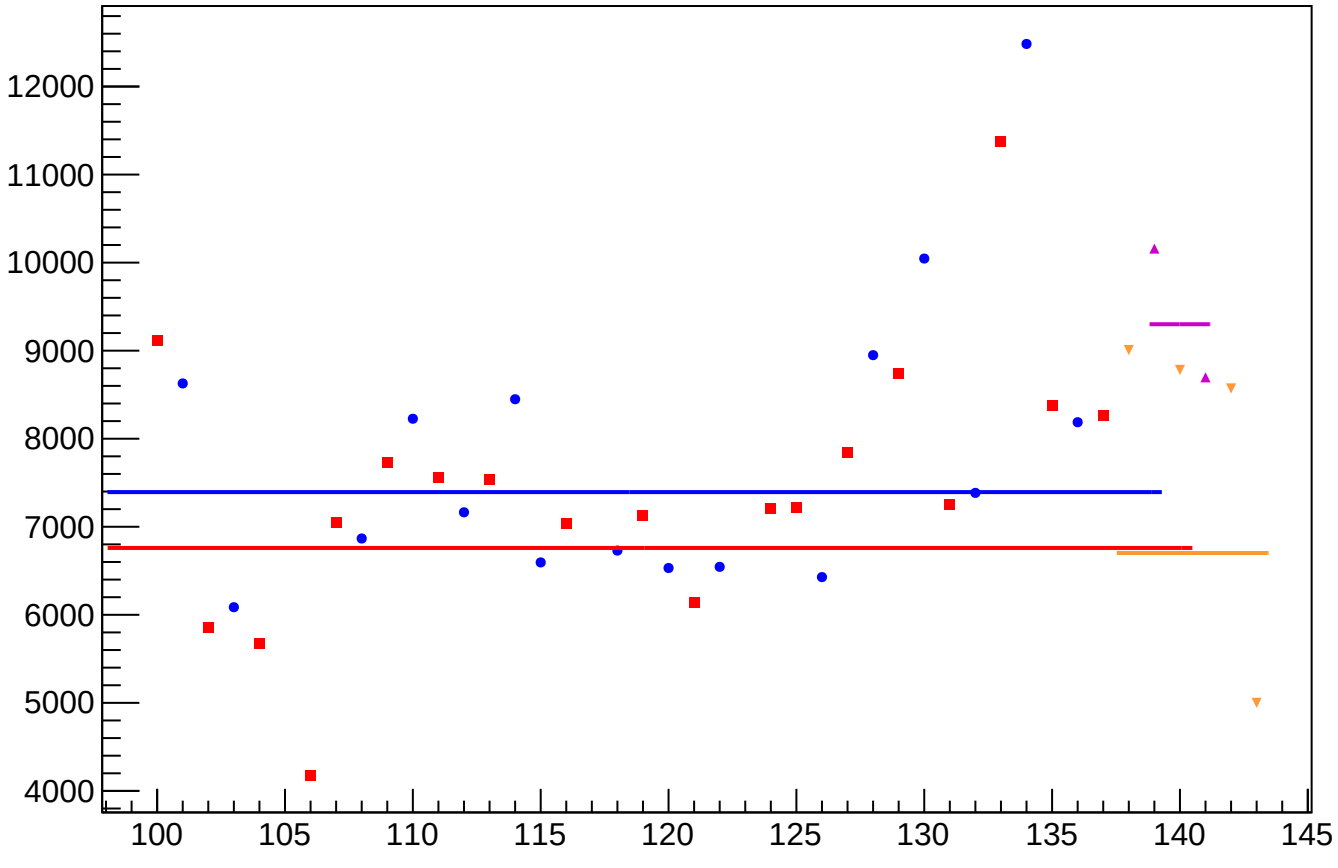
Left: 2022.474+/-3568.964 χ^2/NDF: 2.3/5

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -2099.640+/-2604.091 χ^2/NDF:14.4/17

Out: 1064.653+/-2156.471 χ^2/NDF:18.3/22

All: -222.572+/-1660.907 χ^2/NDF: 33.6/40



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 6702.151+/-2.917 χ^2/NDF:423868.1/3

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9300.277+/-5.030 χ^2/NDF:20472.3/1

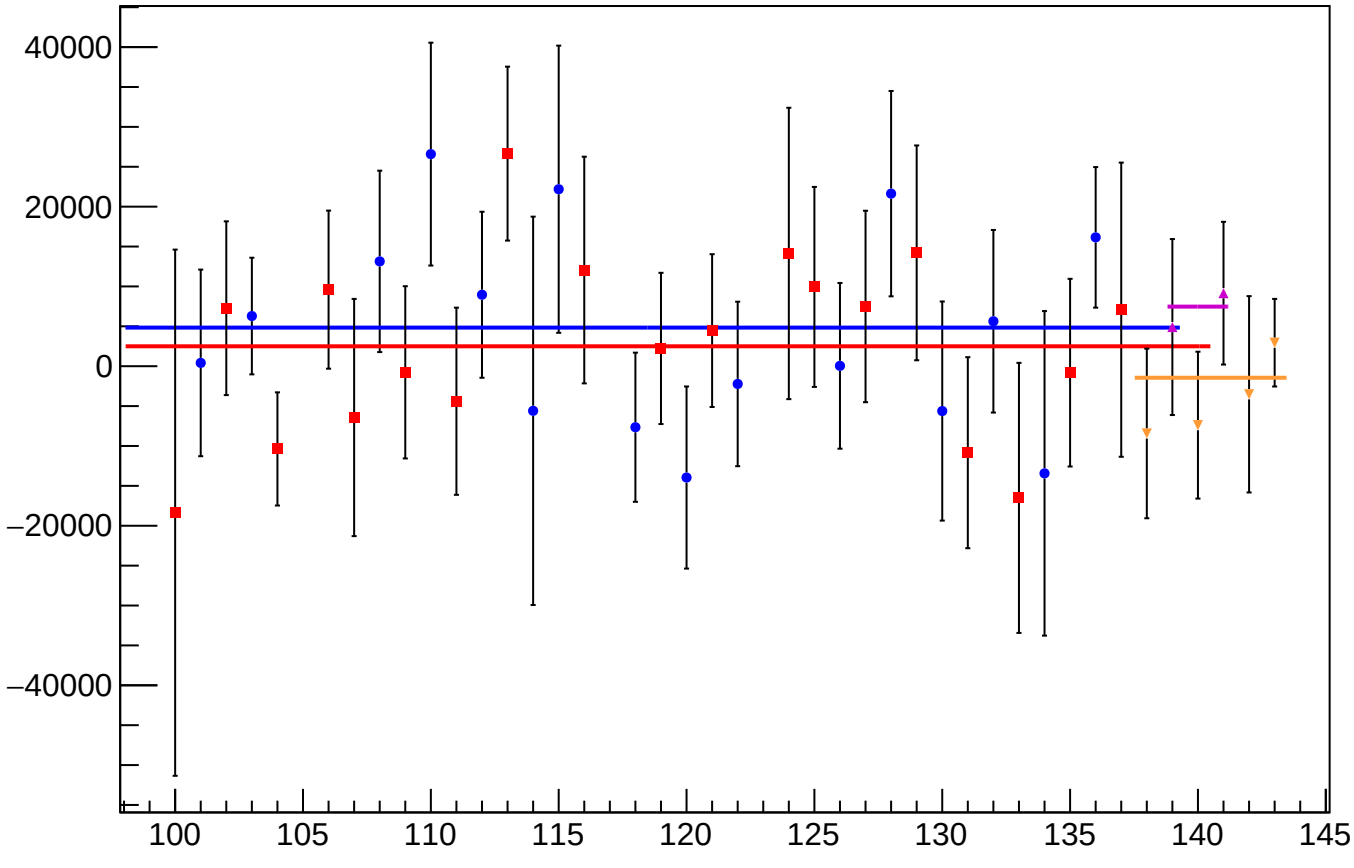
Left: 7356.038+/-2.524 χ^2/NDF: 643957.6/5

Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7649.079+/-1.841 χ^2/NDF:546713.6/17

Out: 6743.769+/-1.525 χ^2/NDF:1068437.8/22

All: 7112.046+/-1.174 χ^2/NDF: 1758540.3/40



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1446.201+/-4068.261 χ^2/NDF:1.5/3

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: 830.133+/-3510.672 χ^2/NDF: 2.8/5

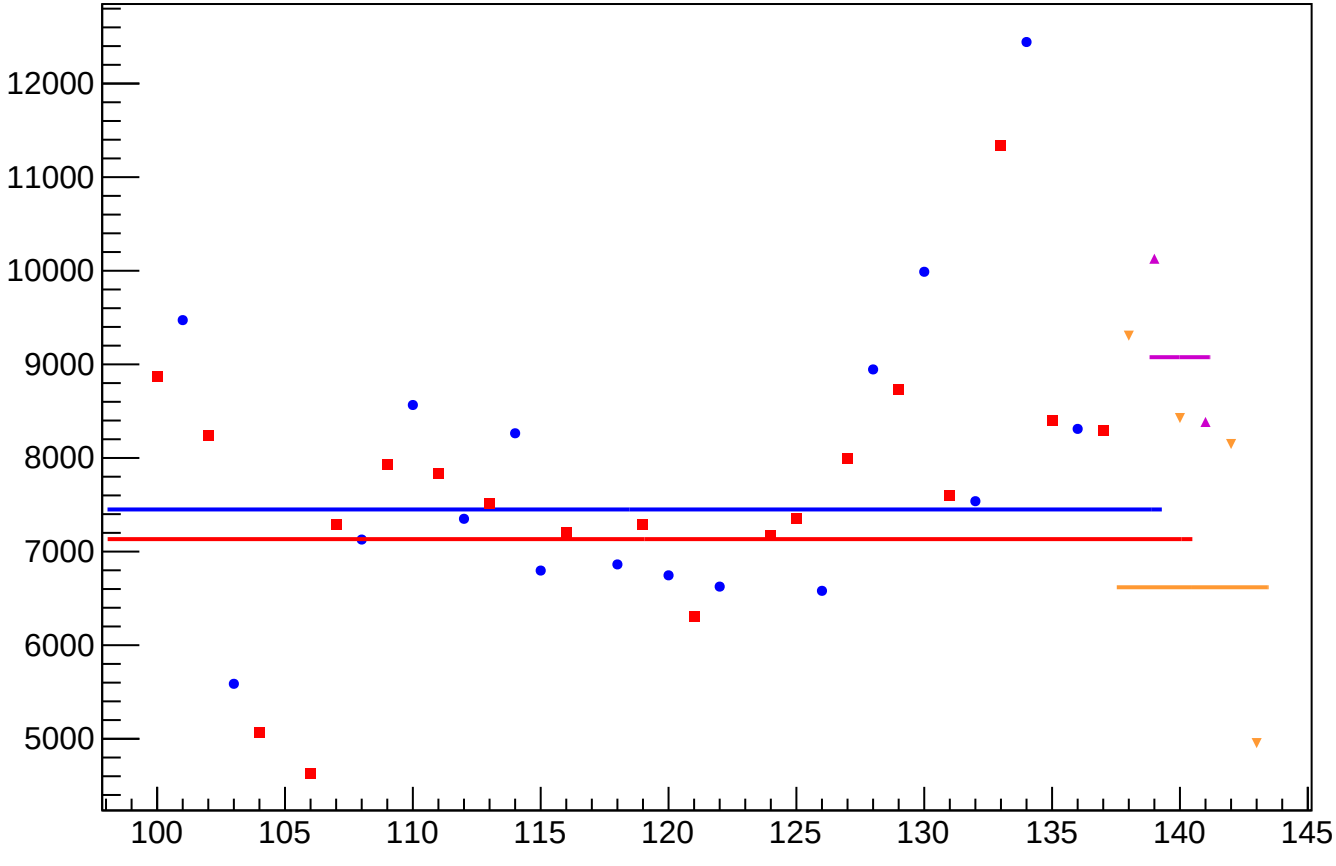
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 5212.012+/-2620.050 χ^2/NDF:14.5/17

Out: 1293.221+/-2247.051 χ^2/NDF:17.1/22

All: 2954.046+/-1705.672 χ^2/NDF: 32.9/40

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6618.830+/-2.877 χ^2/NDF:419774.3/3

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9076.745+/-4.913 χ^2/NDF:30154.2/1

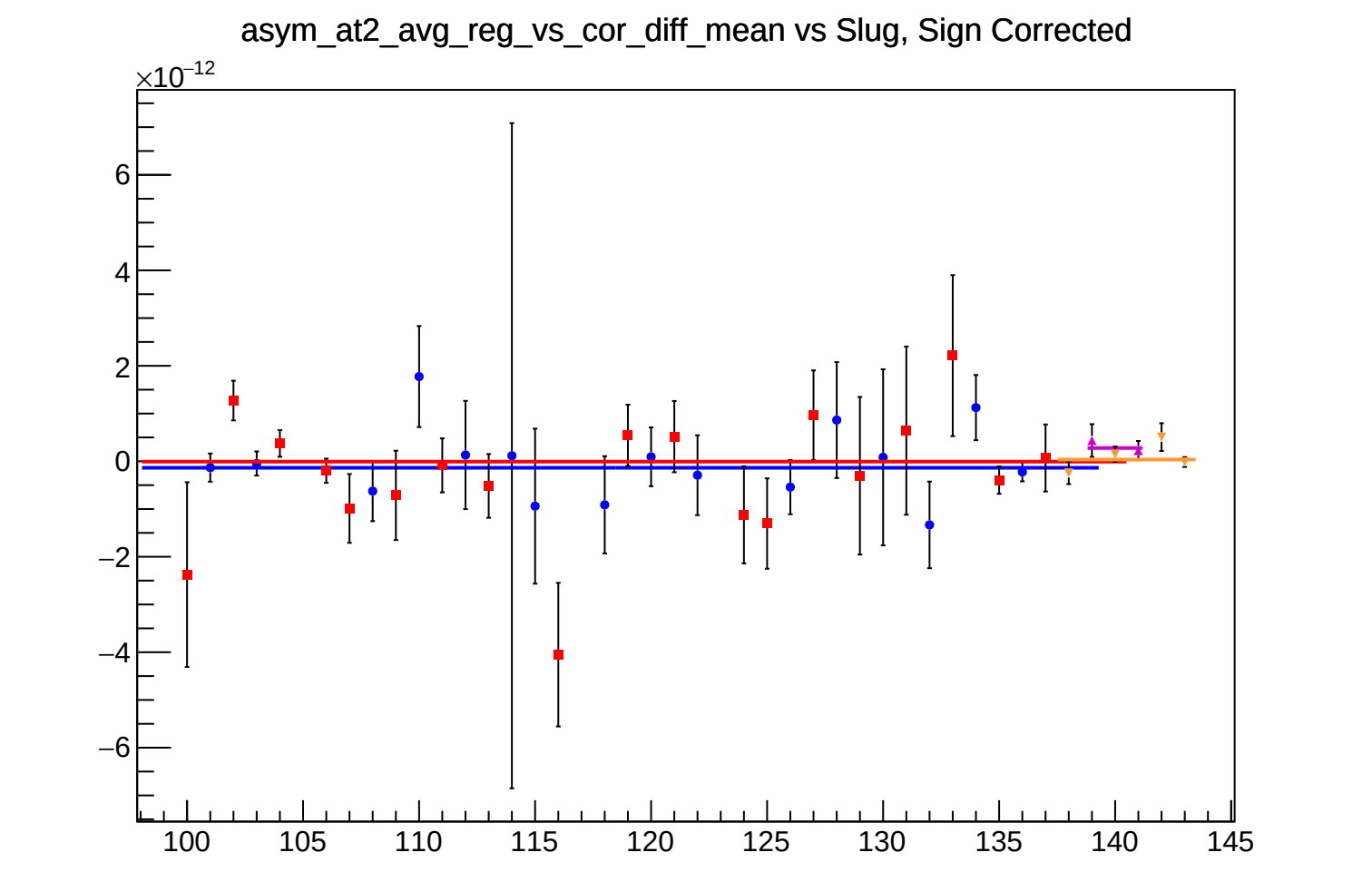
Left: 7246.414+/-2.482 χ^2/NDF: 636330.8/5

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7681.331+/-1.853 χ^2/NDF:610636.8/17

Out: 6976.234+/-1.589 χ^2/NDF:998978.7/22

All: 7275.047+/-1.206 χ^2/NDF: 1693078.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

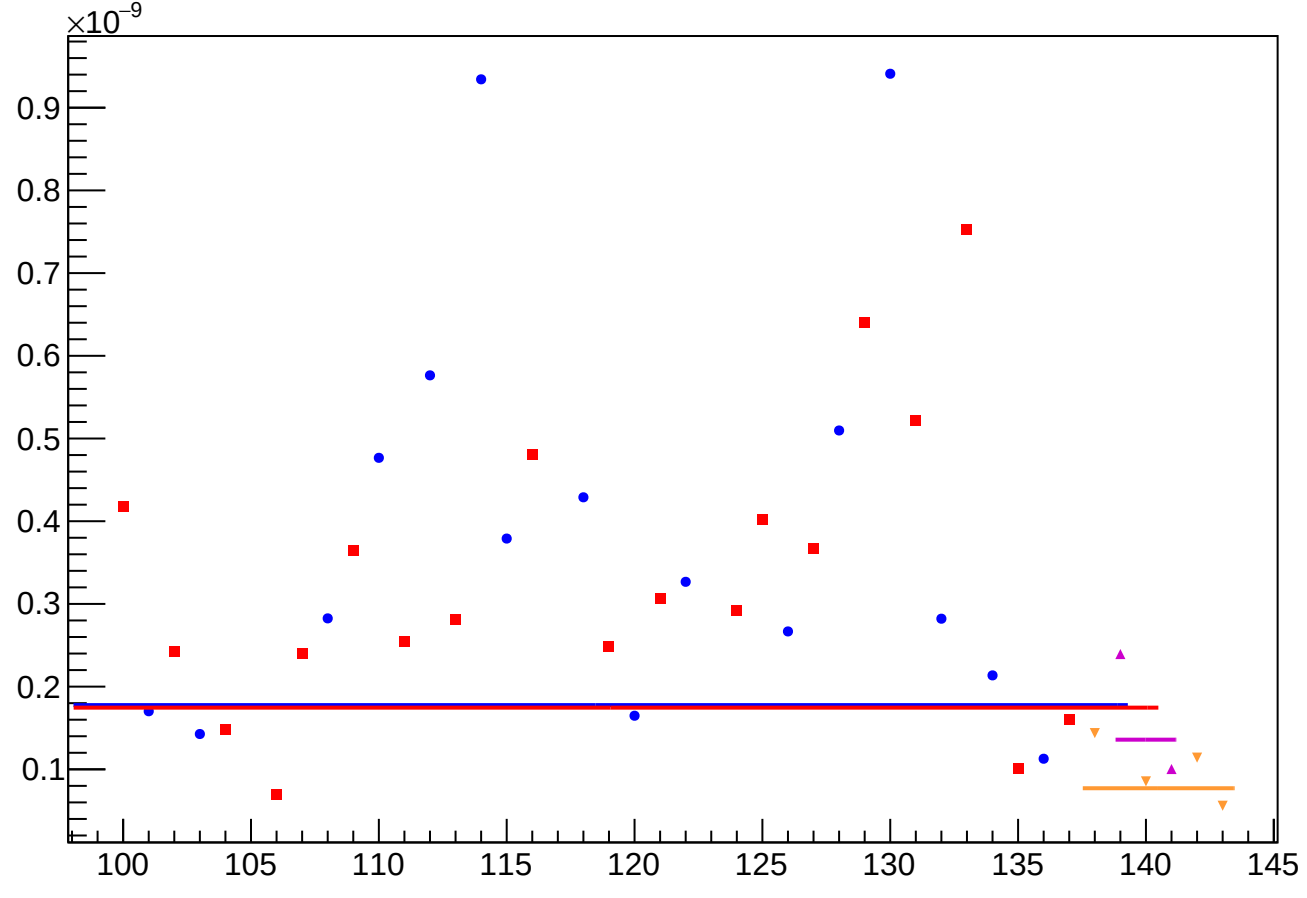
Left: 0.000+/-0.000 χ^2/NDF: 6.7/5

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:37.6/22

All: 0.000+/-0.000 χ^2/NDF: 53.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:283691.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:244457.4/1

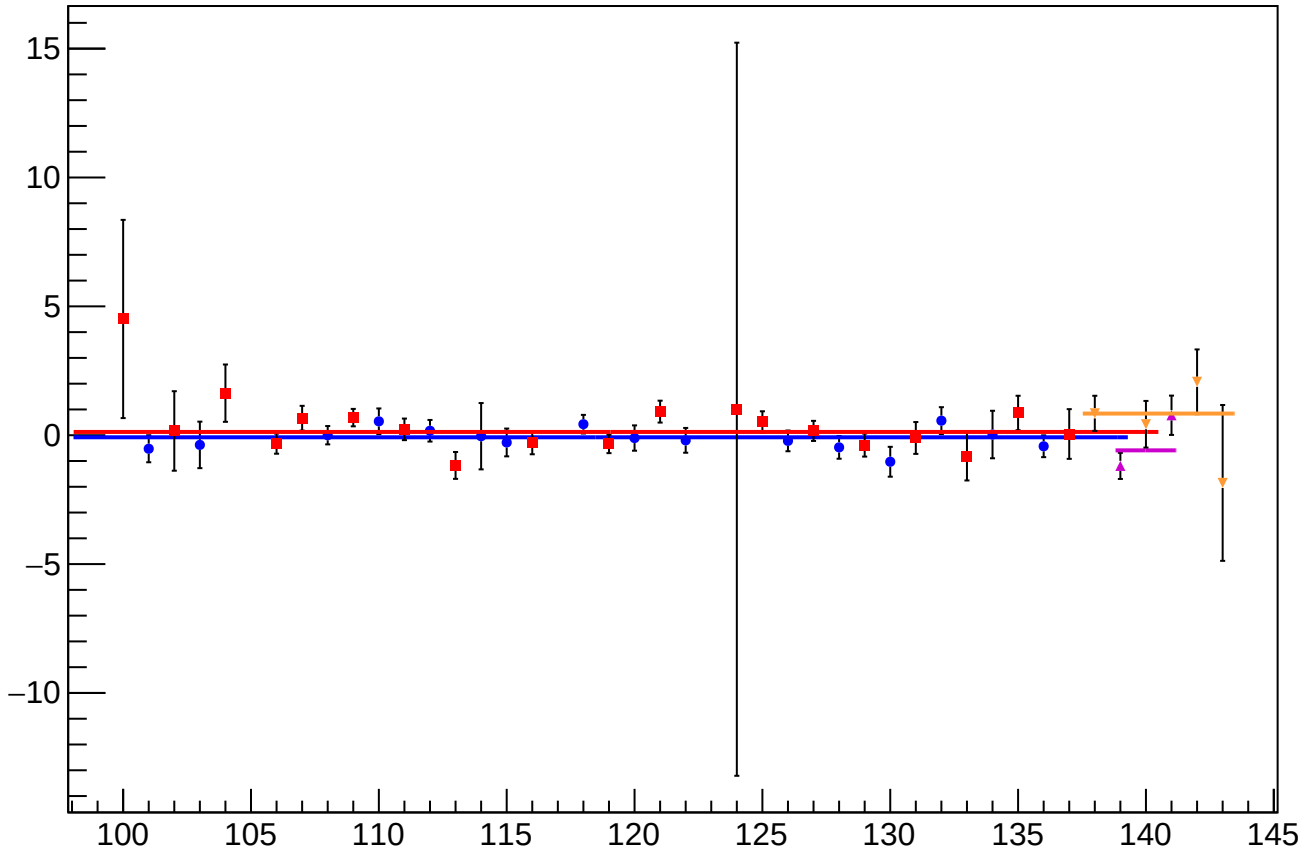
Left: 0.000+/-0.000 χ^2/NDF: 718780.3/5

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:2818379.2/22

All: 0.000+/-0.000 χ^2/NDF: 5164501.8/40



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

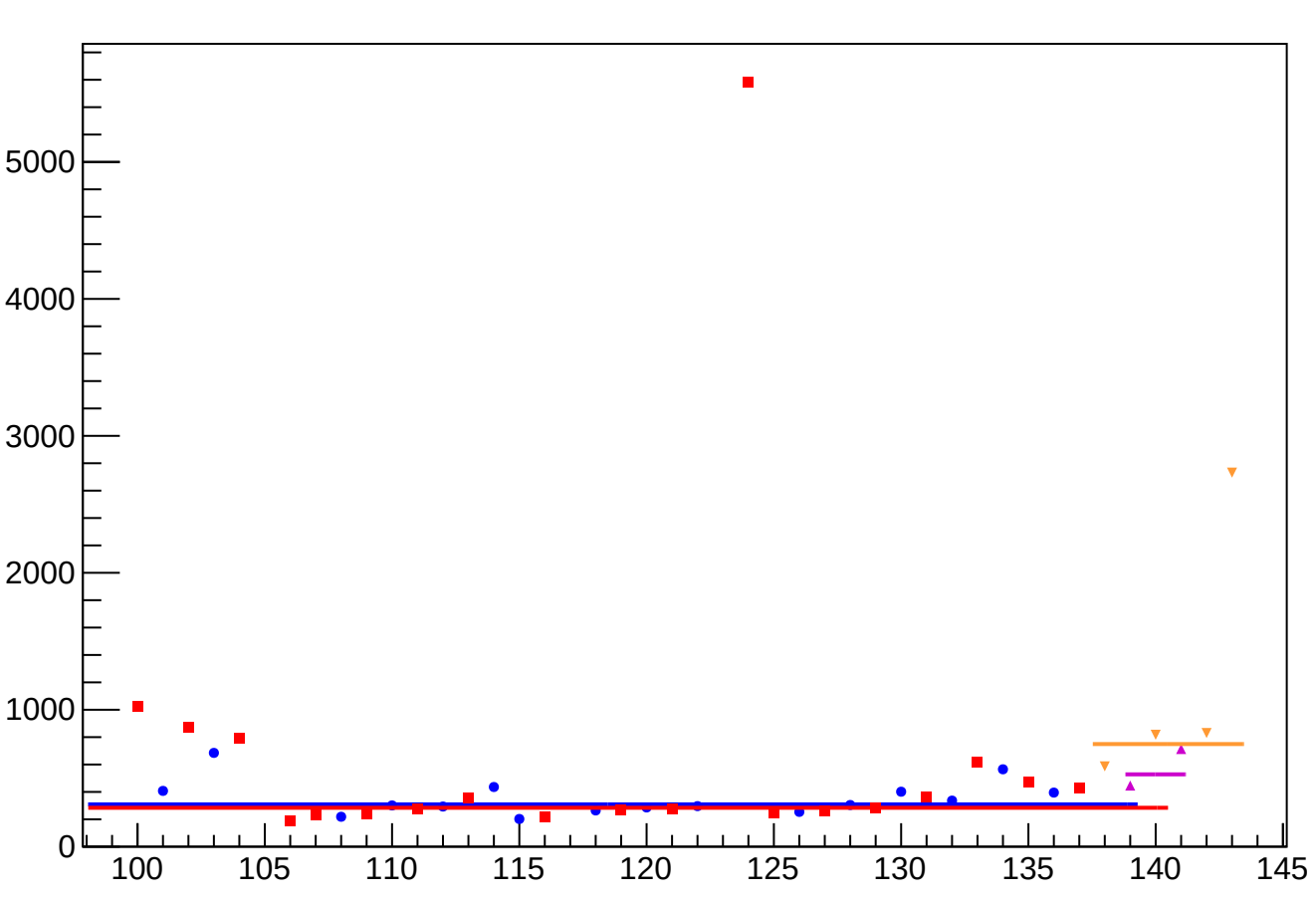
Left: 0.017+/-0.321 χ^2/NDF: 11.4/5

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.027+/-0.082 χ^2/NDF: 48.9/40



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 749.506+/-0.348 χ^2/NDF:993338.1/3

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: 621.973+/-0.227 χ^2/NDF: 1395698.5/5

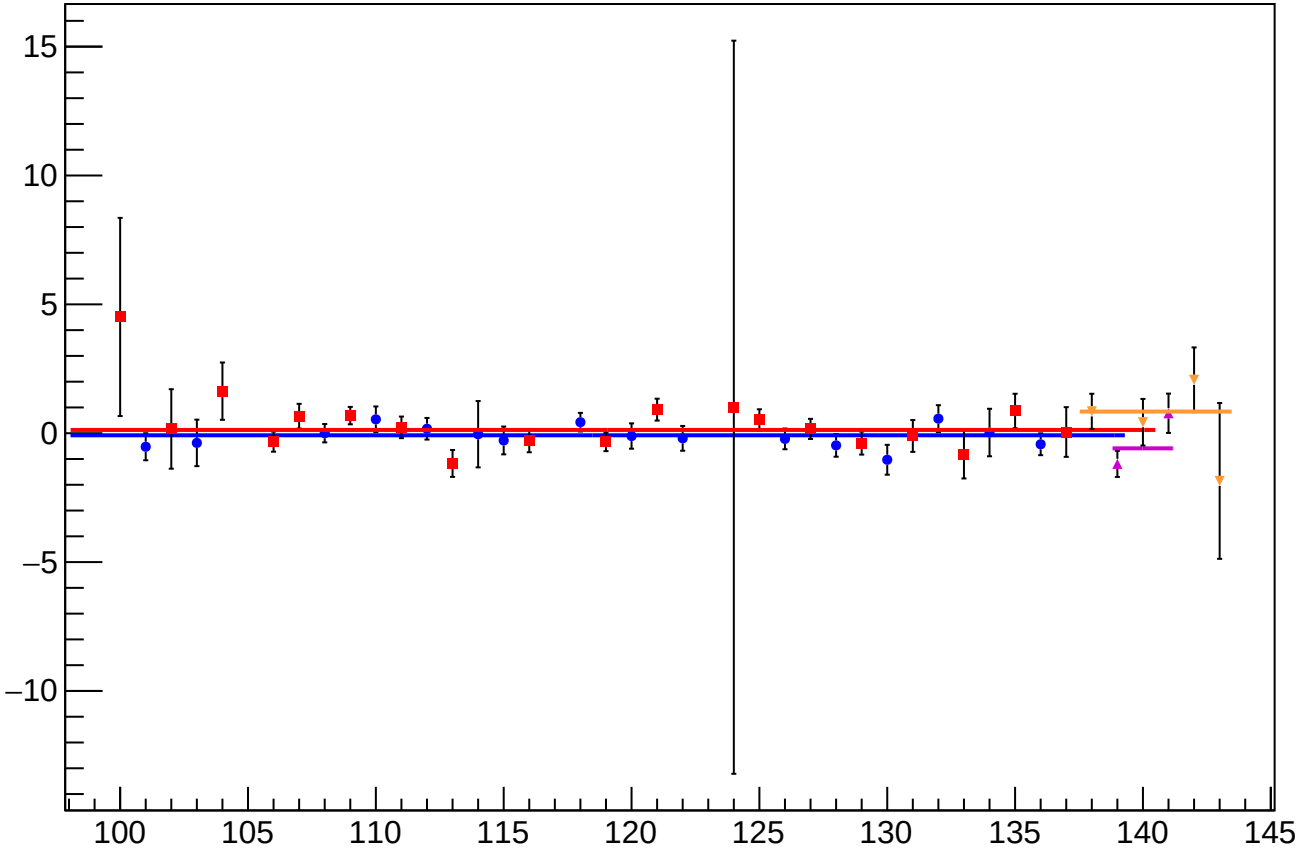
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 325.947+/-0.083 χ^2/NDF:1682044.7/17

Out: 308.992+/-0.080 χ^2/NDF:4538623.5/22

All: 317.225+/-0.058 χ^2/NDF: 6242241.9/40

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

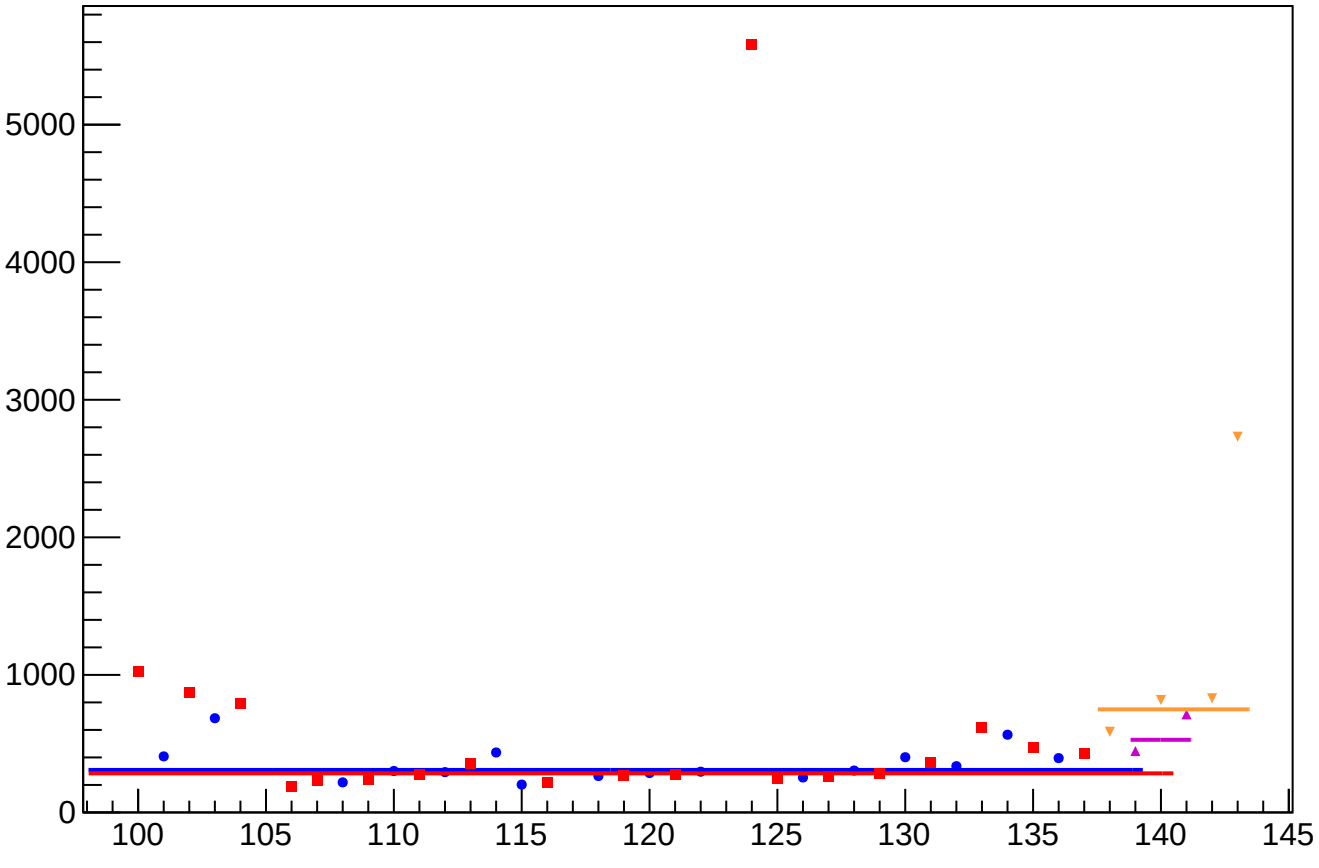
Left: 0.017+/-0.321 χ^2/NDF: 11.4/5

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.027+/-0.082 χ^2/NDF: 48.9/40



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 749.506+/-0.348 χ^2/NDF:993338.1/3

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 528.296+/-0.299 χ^2/NDF:169923.7/1

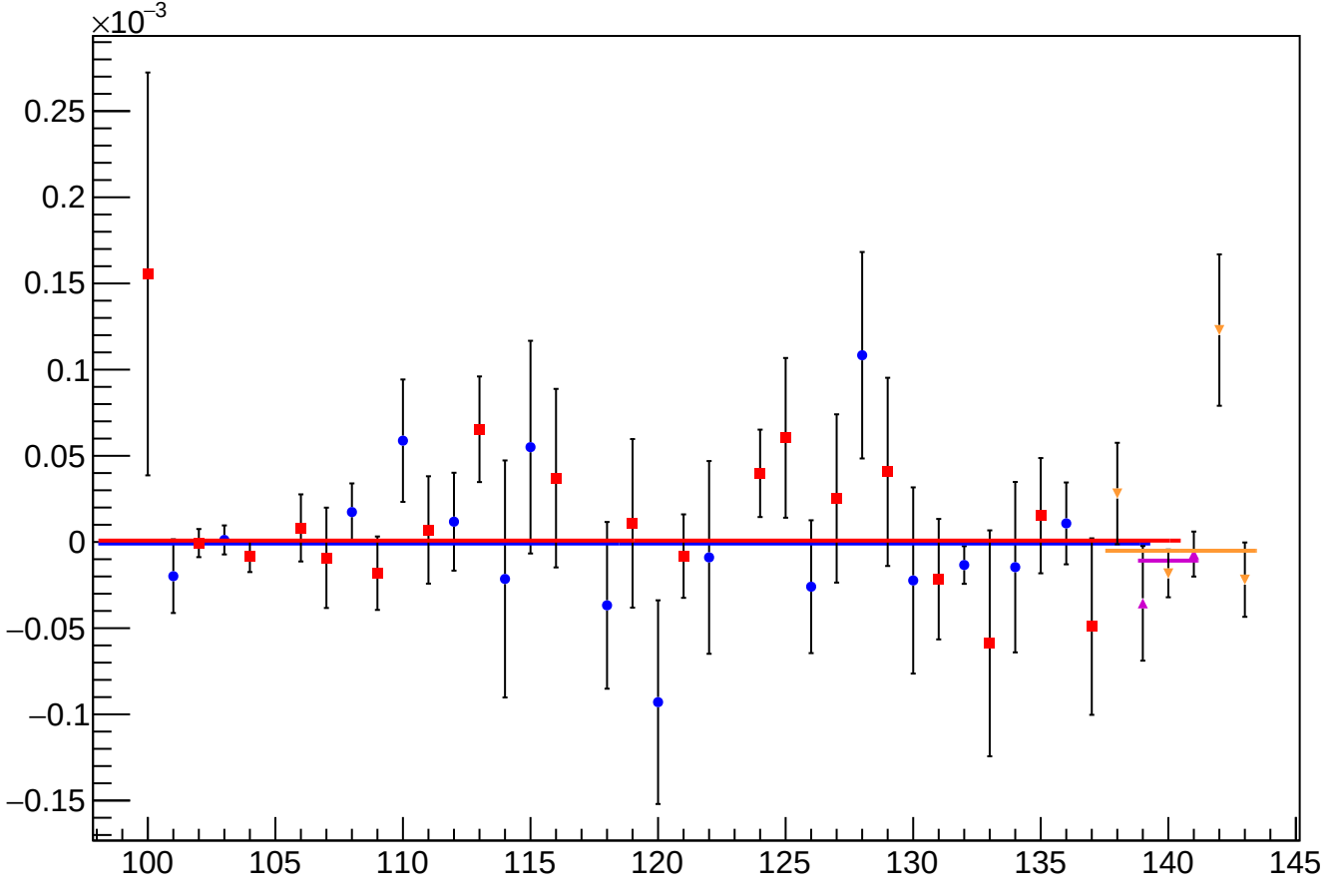
Left: 621.973+/-0.227 χ^2/NDF: 1395698.5/5

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 325.947+/-0.083 χ^2/NDF:1682044.7/17

Out: 308.992+/-0.080 χ^2/NDF:4538623.5/22

All: 317.225+/-0.058 χ^2/NDF: 6242241.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

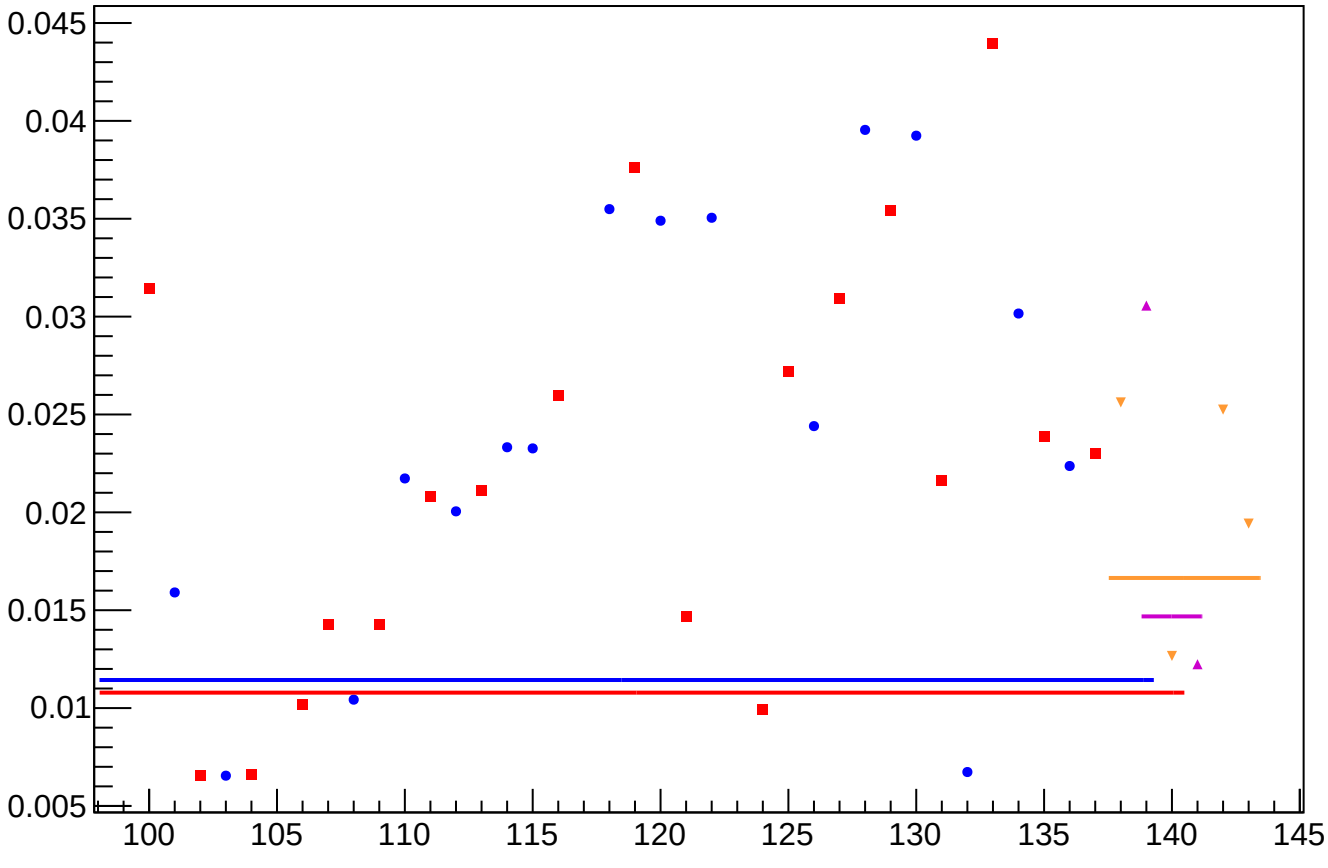
Left: -0.000+/-0.000 χ^2/NDF: 12.1/5

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:27.7/22

All: -0.000+/-0.000 χ^2/NDF: 43.5/40



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:461574.6/3

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: 0.016+/-0.000 χ^2/NDF: 1017532.9/5

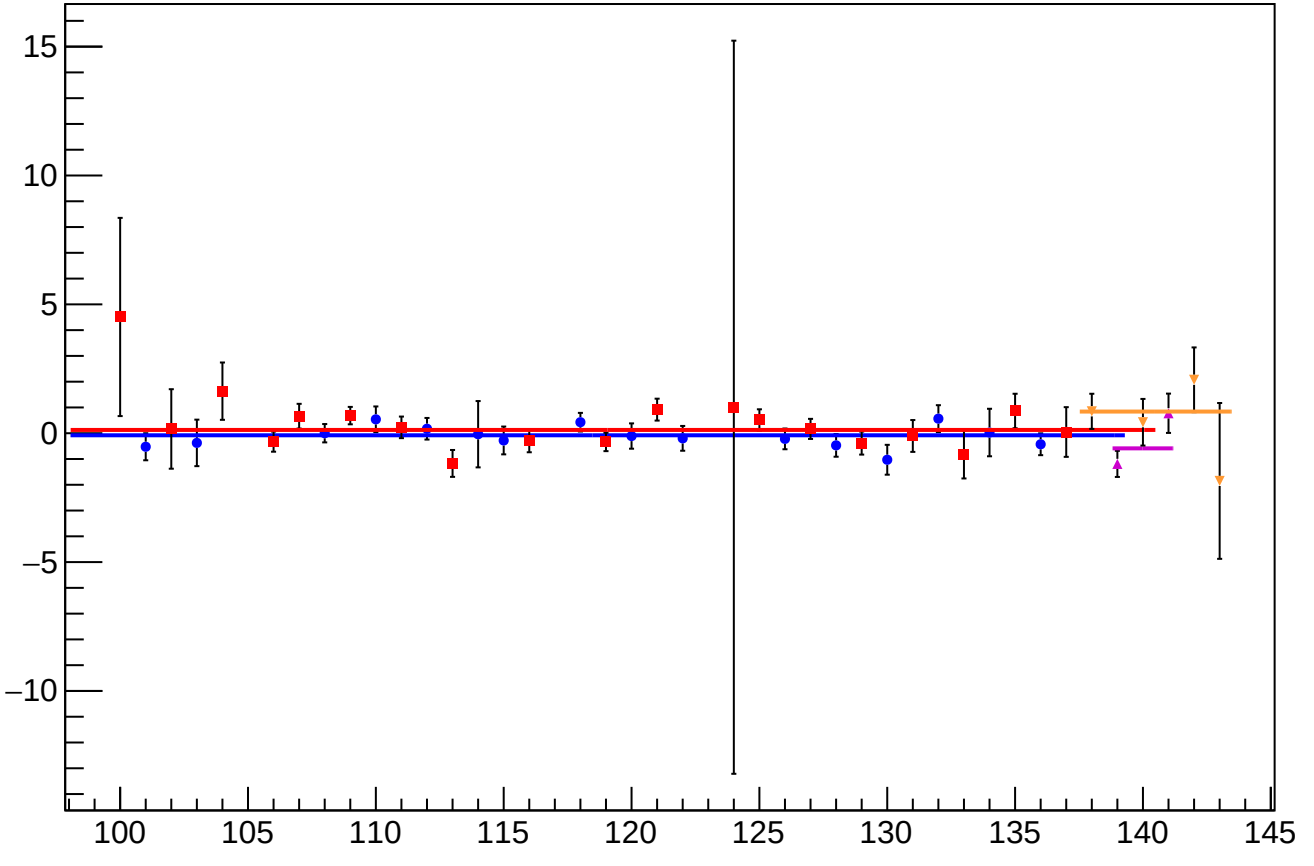
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5346099.9/17

Out: 0.012+/-0.000 χ^2/NDF:5447578.2/22

All: 0.012+/-0.000 χ^2/NDF: 10794632.6/40

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: 0.841+/-0.493 χ^2/NDF:2.0/3

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.587+/-0.422 χ^2/NDF:4.6/1

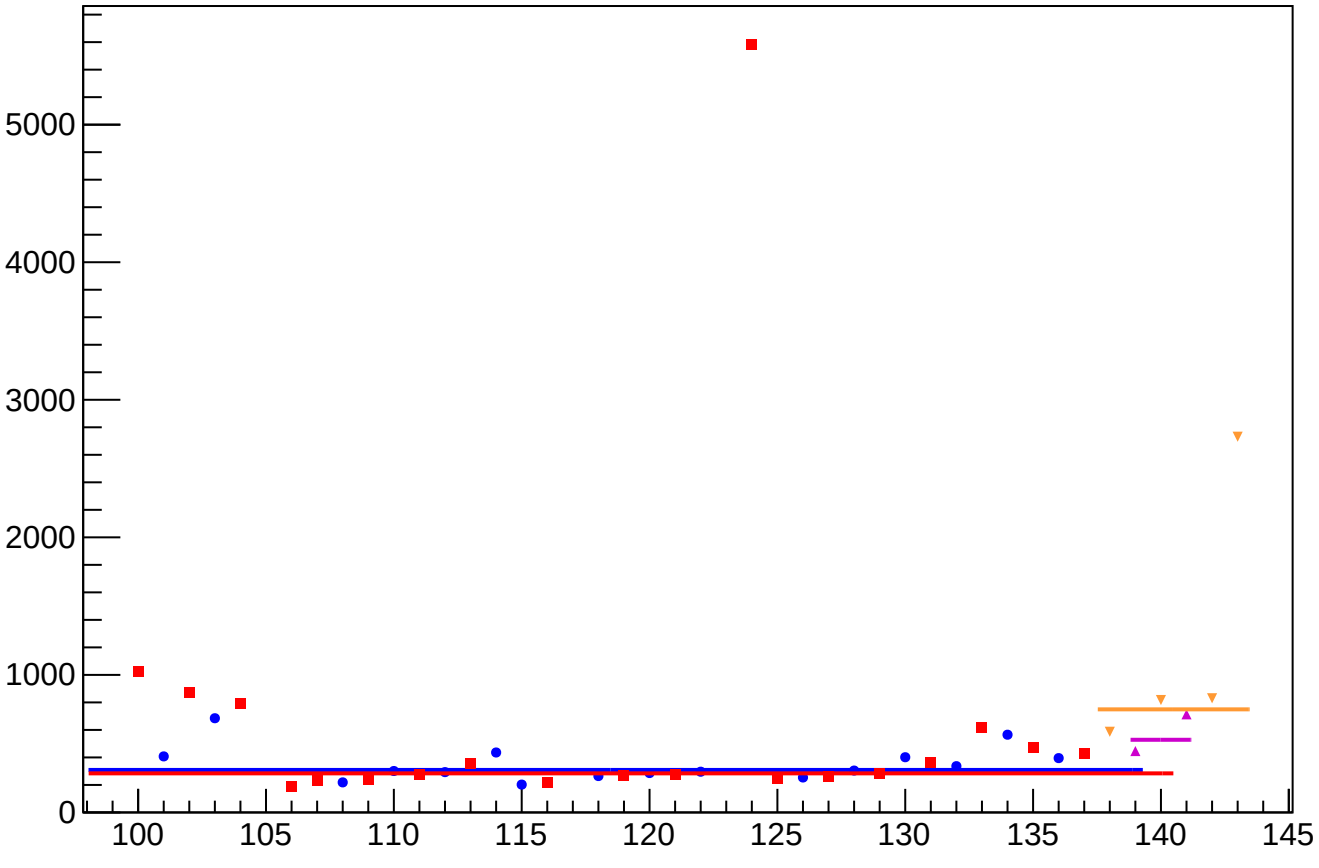
Left: 0.017+/-0.321 χ^2/NDF: 11.4/5

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.027+/-0.082 χ^2/NDF: 48.9/40



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 749.513+/-0.348 χ^2/NDF:993331.0/3

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 528.306+/-0.299 χ^2/NDF:169911.8/1

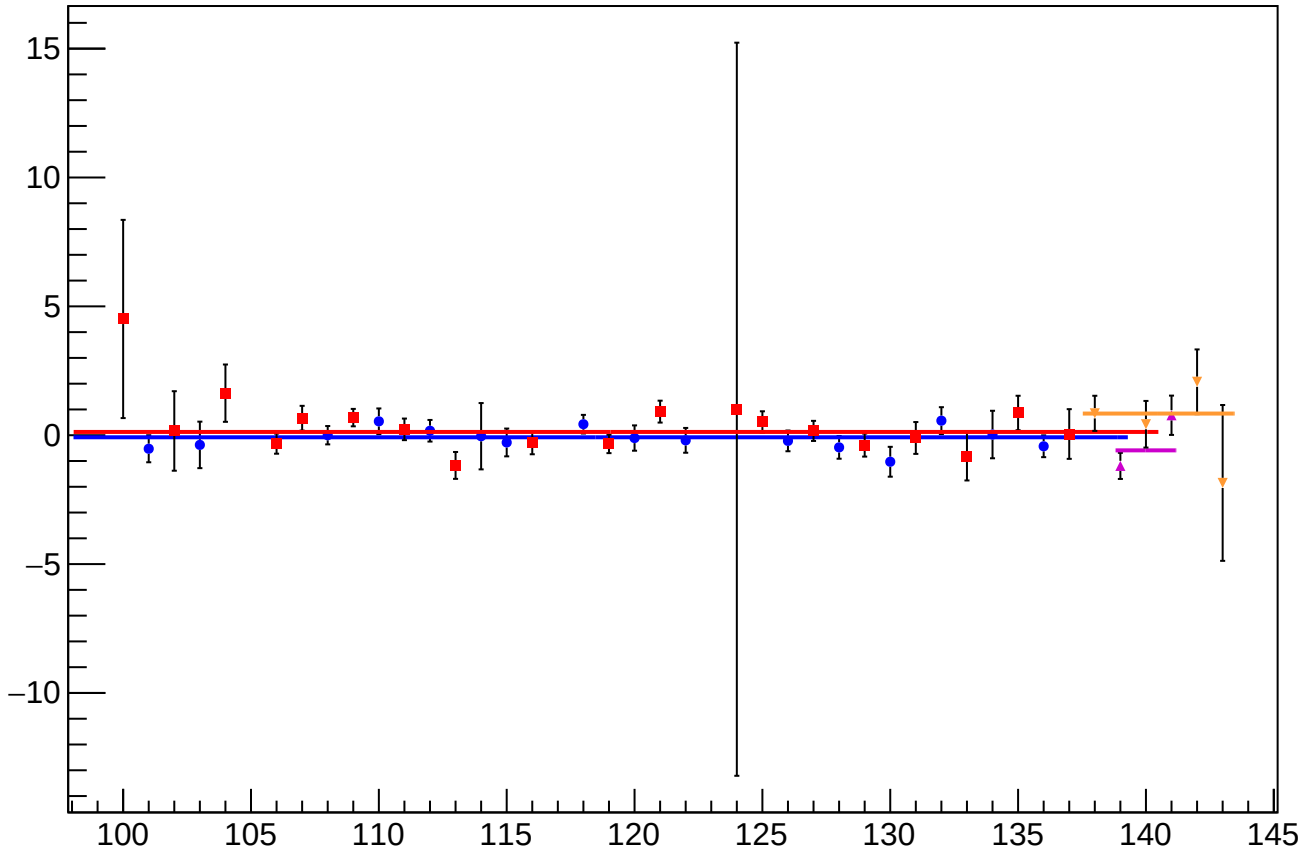
Left: 621.983+/-0.227 χ^2/NDF: 1395668.5/5

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 325.947+/-0.083 χ^2/NDF:1682034.6/17

Out: 308.992+/-0.080 χ^2/NDF:4538631.0/22

All: 317.224+/-0.058 χ^2/NDF: 6242239.9/40



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.841+/-0.493 χ^2/NDF:2.0/3

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: 0.017+/-0.321 χ^2/NDF: 11.4/5

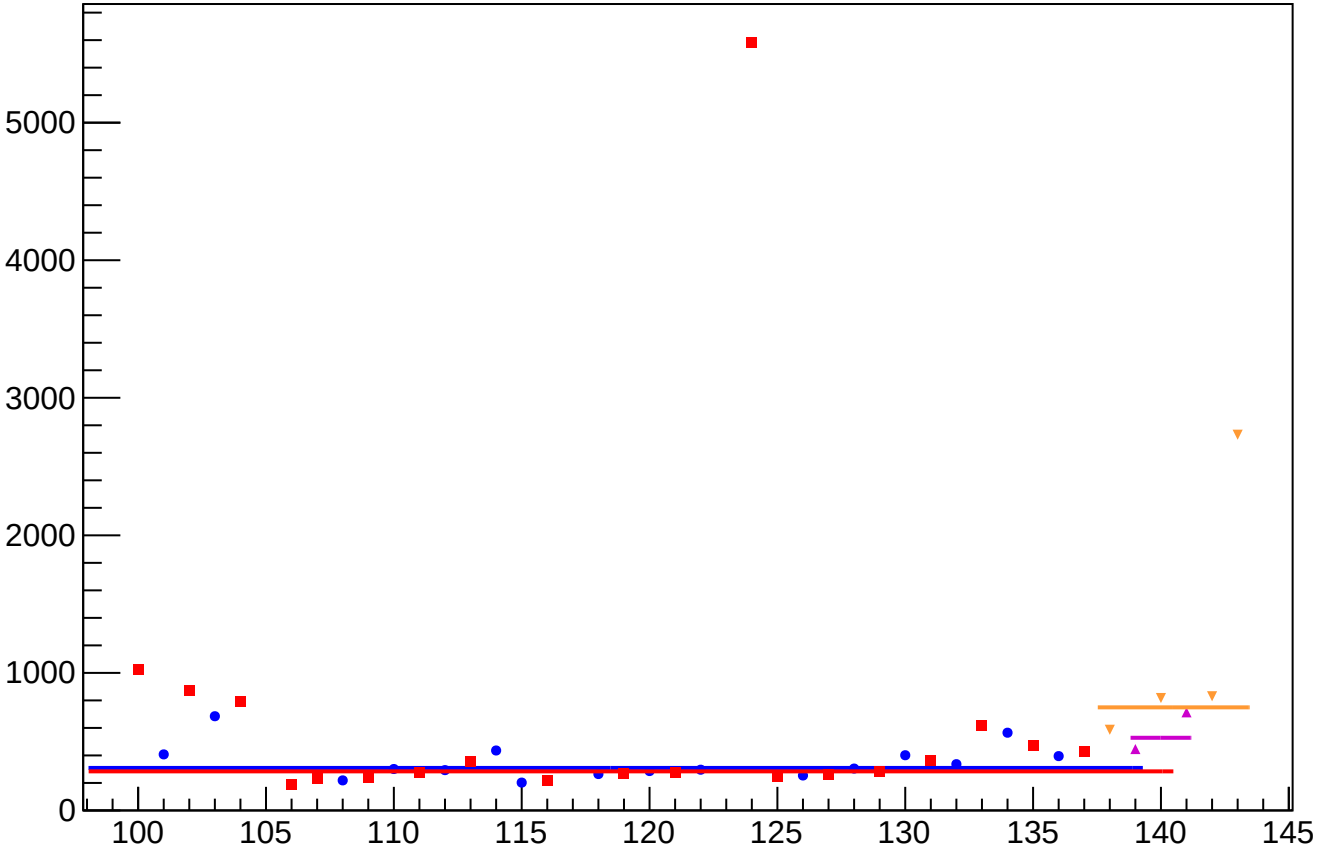
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.119+/-0.117 χ^2/NDF:16.7/17

Out: 0.166+/-0.114 χ^2/NDF:29.2/22

All: 0.027+/-0.082 χ^2/NDF: 48.9/40

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: 749.513+/-0.348 χ^2/NDF:993331.0/3

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 528.306+/-0.299 χ^2/NDF:169911.8/1

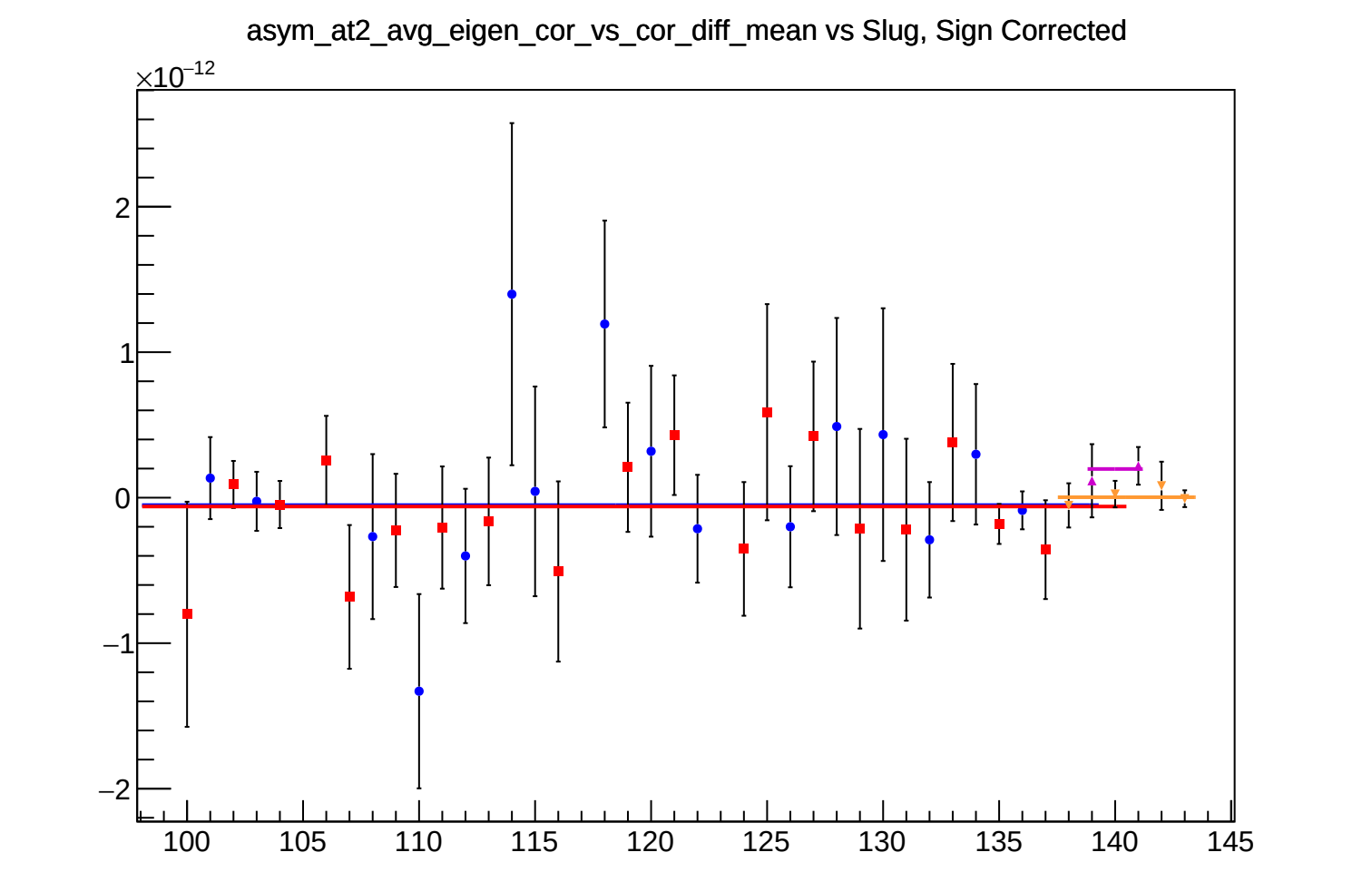
Left: 621.983+/-0.227 χ^2/NDF: 1395668.5/5

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 325.947+/-0.083 χ^2/NDF:1682034.6/17

Out: 308.992+/-0.080 χ^2/NDF:4538631.0/22

All: 317.224+/-0.058 χ^2/NDF: 6242239.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

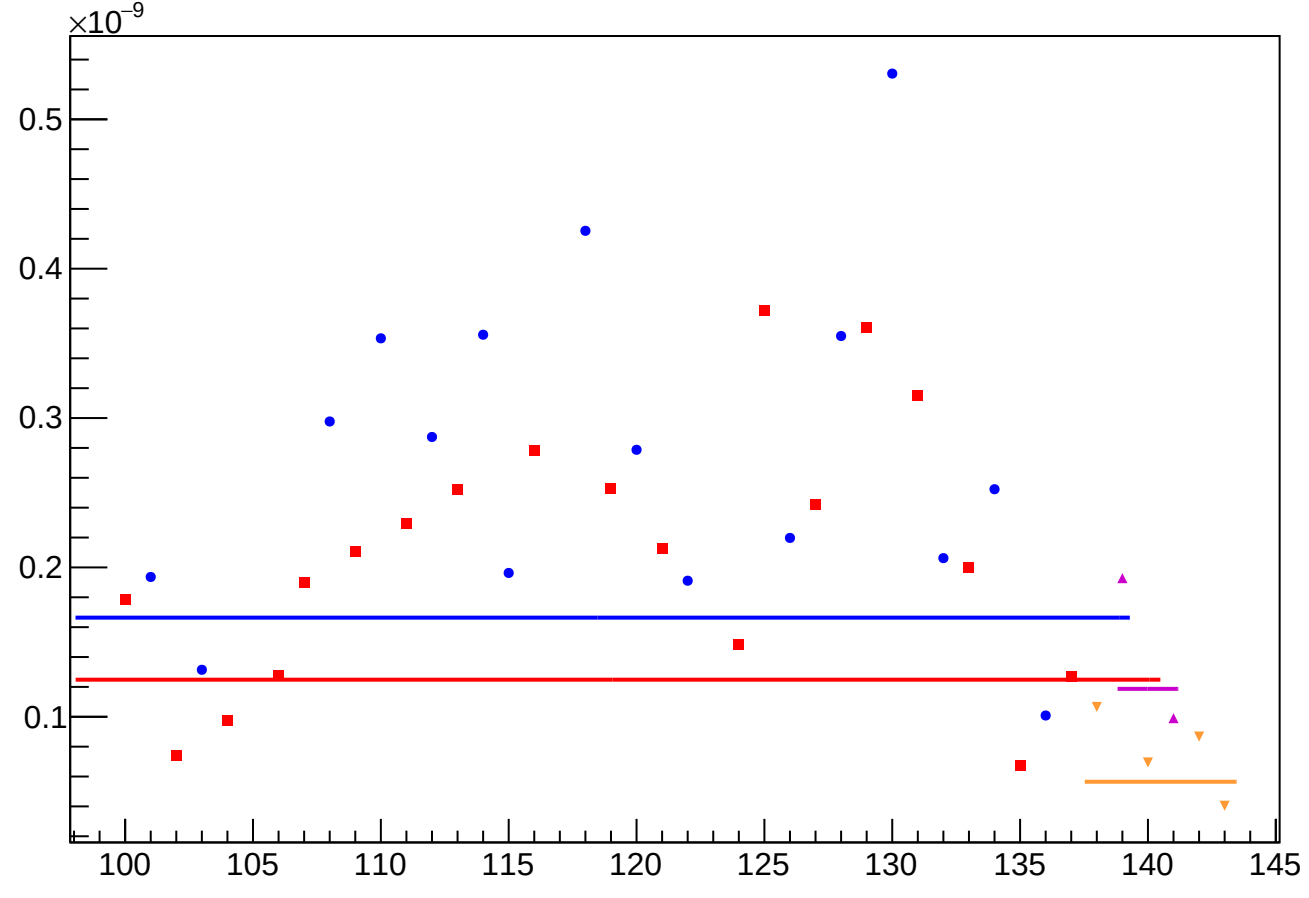
Left: 0.000+/-0.000 χ^2/NDF: 3.1/5

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:12.5/22

All: -0.000+/-0.000 χ^2/NDF: 28.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:479350.7/3

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: 1206352.7/5

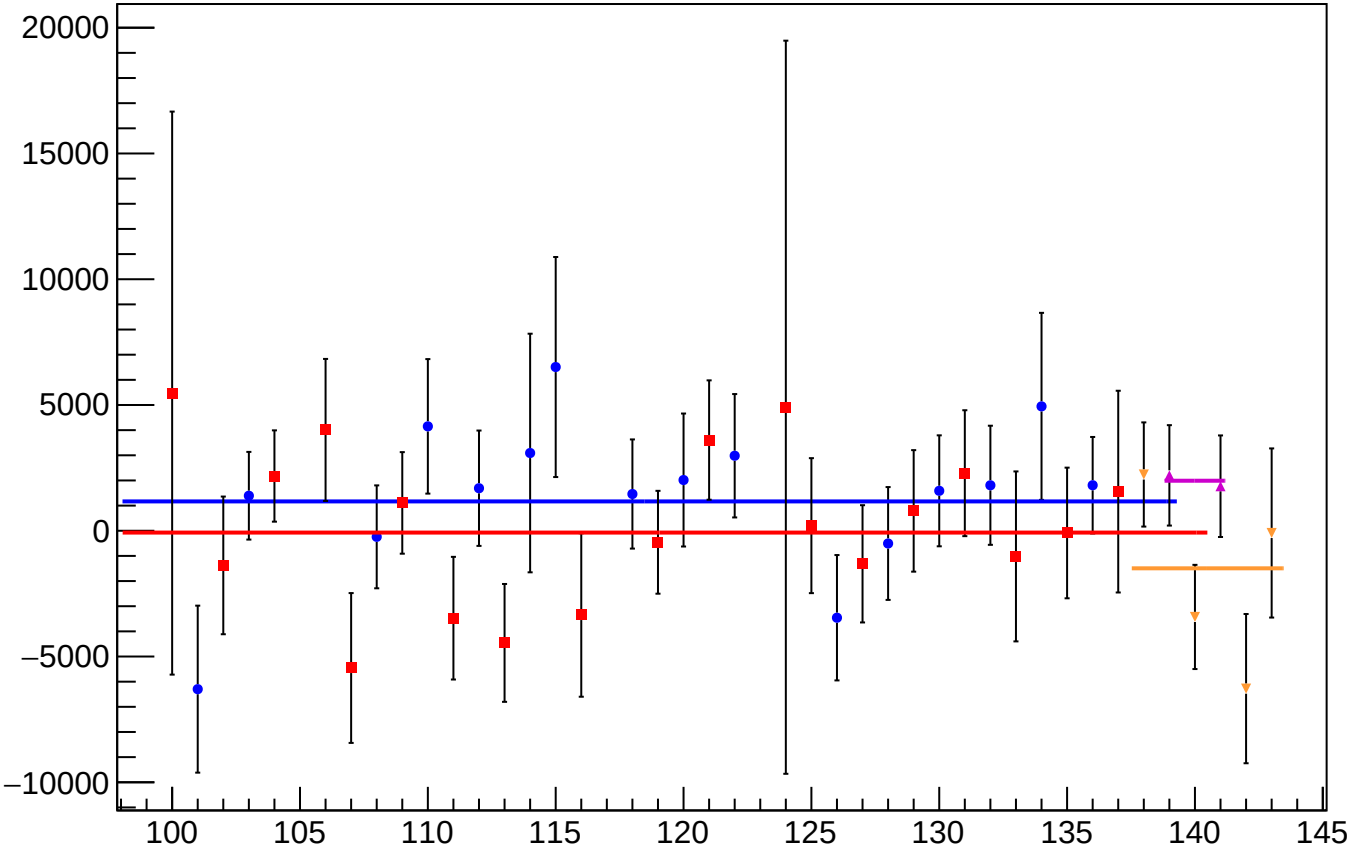
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:2426838.3/17

Out: 0.000+/-0.000 χ^2/NDF:4041927.2/22

All: 0.000+/-0.000 χ^2/NDF: 8249202.0/40

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.462+/-1223.248 χ^2/NDF:6.9/3

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: -9.420+/-926.651 χ^2/NDF: 10.4/5

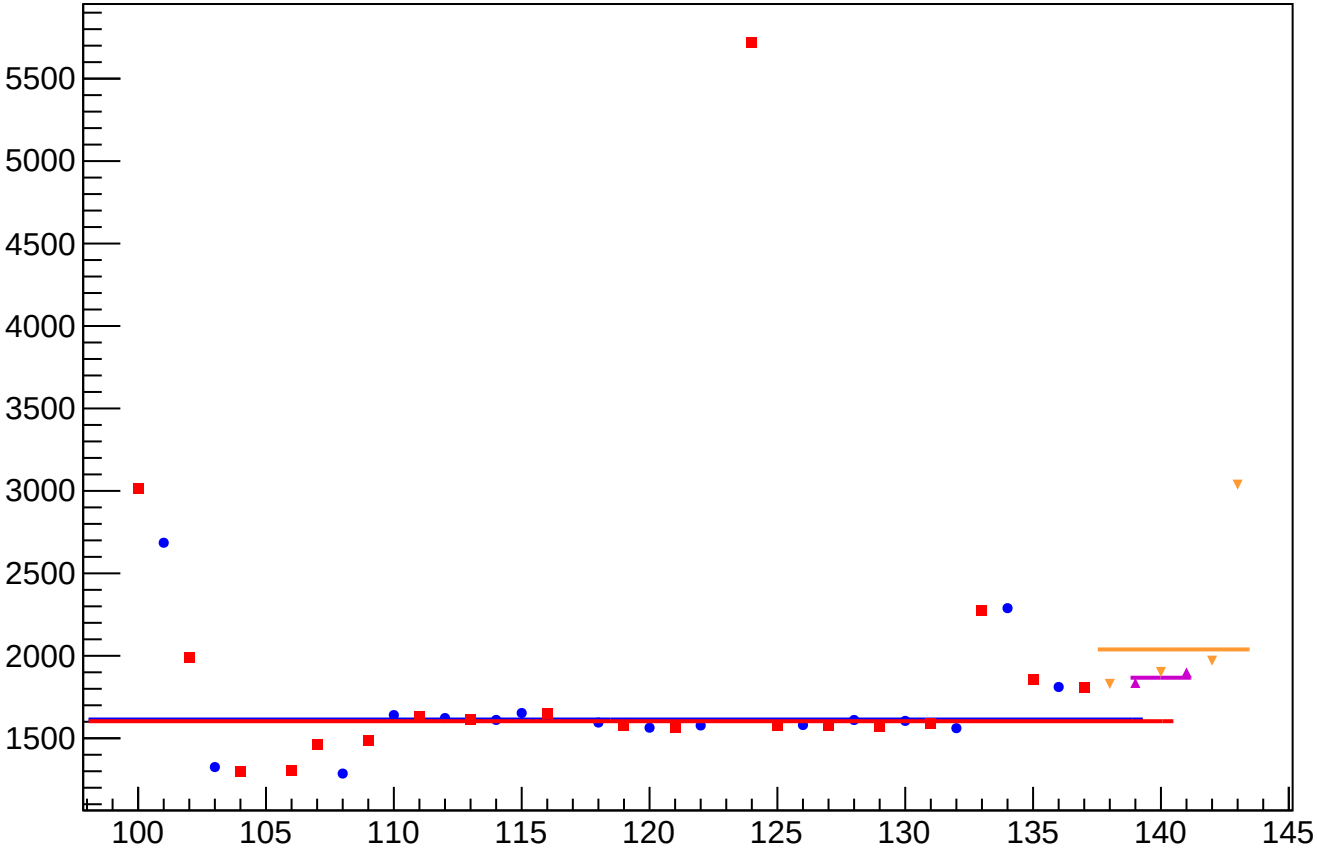
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 1294.727+/-559.801 χ^2/NDF:14.7/17

Out: -350.302+/-541.117 χ^2/NDF:26.3/22

All: 444.302+/-389.065 χ^2/NDF: 45.5/40

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

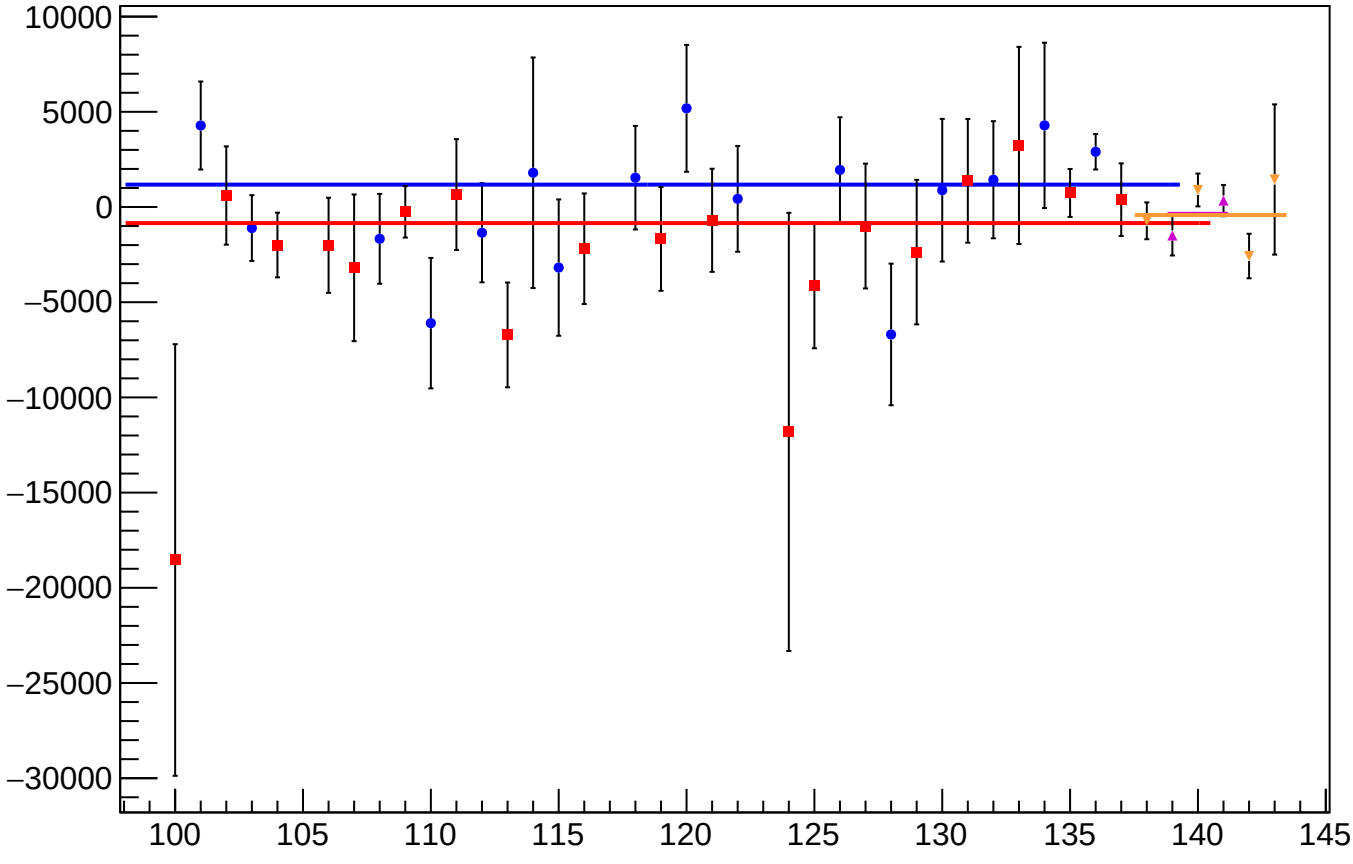
Left: 1965.611+/-0.655 χ^2/NDF: 224496.9/5

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1653.105+/-0.396 χ^2/NDF:459584.0/17

Out: 1688.628+/-0.383 χ^2/NDF:836158.4/22

All: 1671.469+/-0.275 χ^2/NDF: 1299905.7/40



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: -423.391+/-557.902 χ^2/NDF:6.1/3

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -357.244+/-646.666 χ^2/NDF:1.9/1

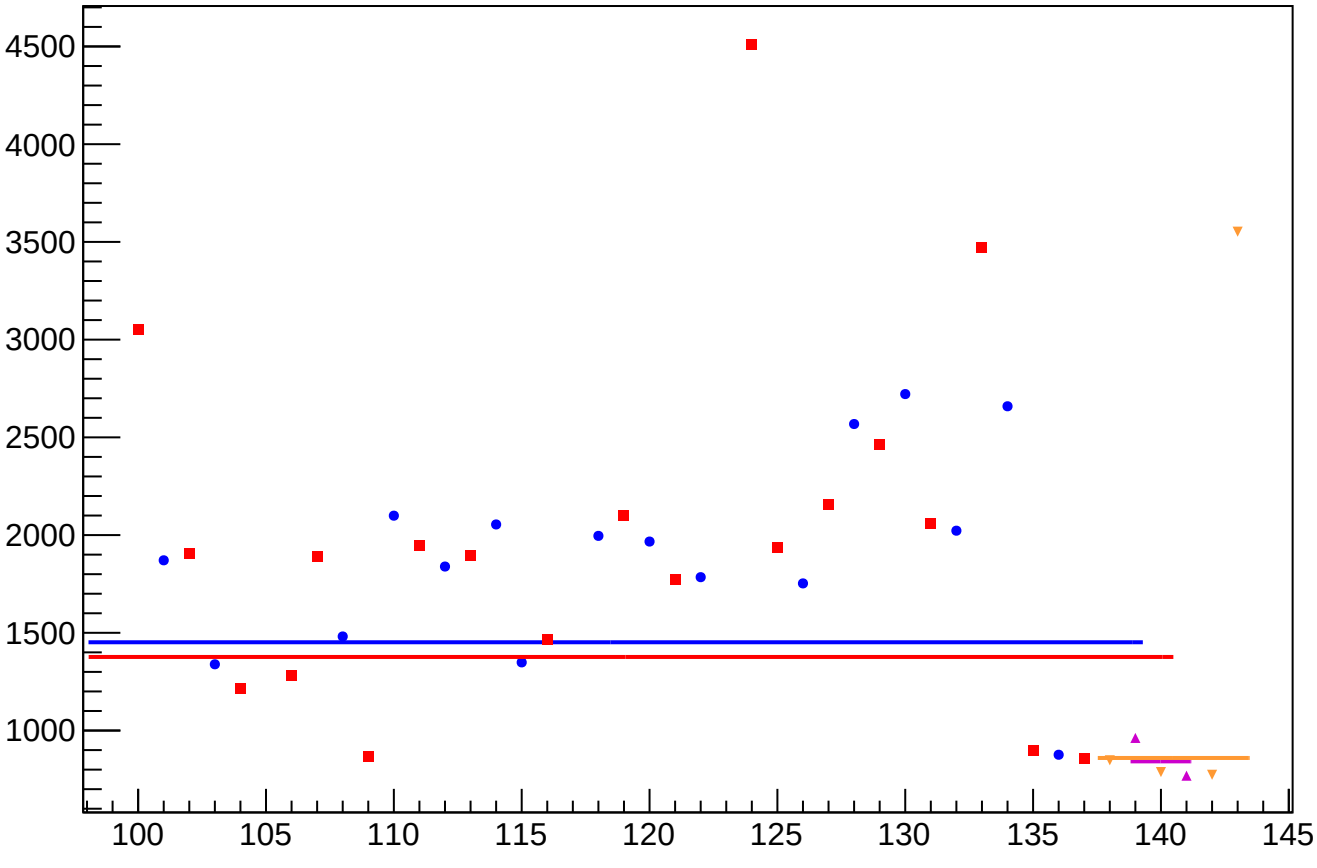
Left: -395.165+/-422.421 χ^2/NDF: 7.9/5

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 493.397+/-431.387 χ^2/NDF:27.0/17

Out: -633.798+/-394.332 χ^2/NDF:20.6/22

All: -120.682+/-291.055 χ^2/NDF: 51.3/40



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 859.644+/-0.394 χ^2/NDF:956794.6/3

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: 852.243+/-0.299 χ^2/NDF: 999676.0/5

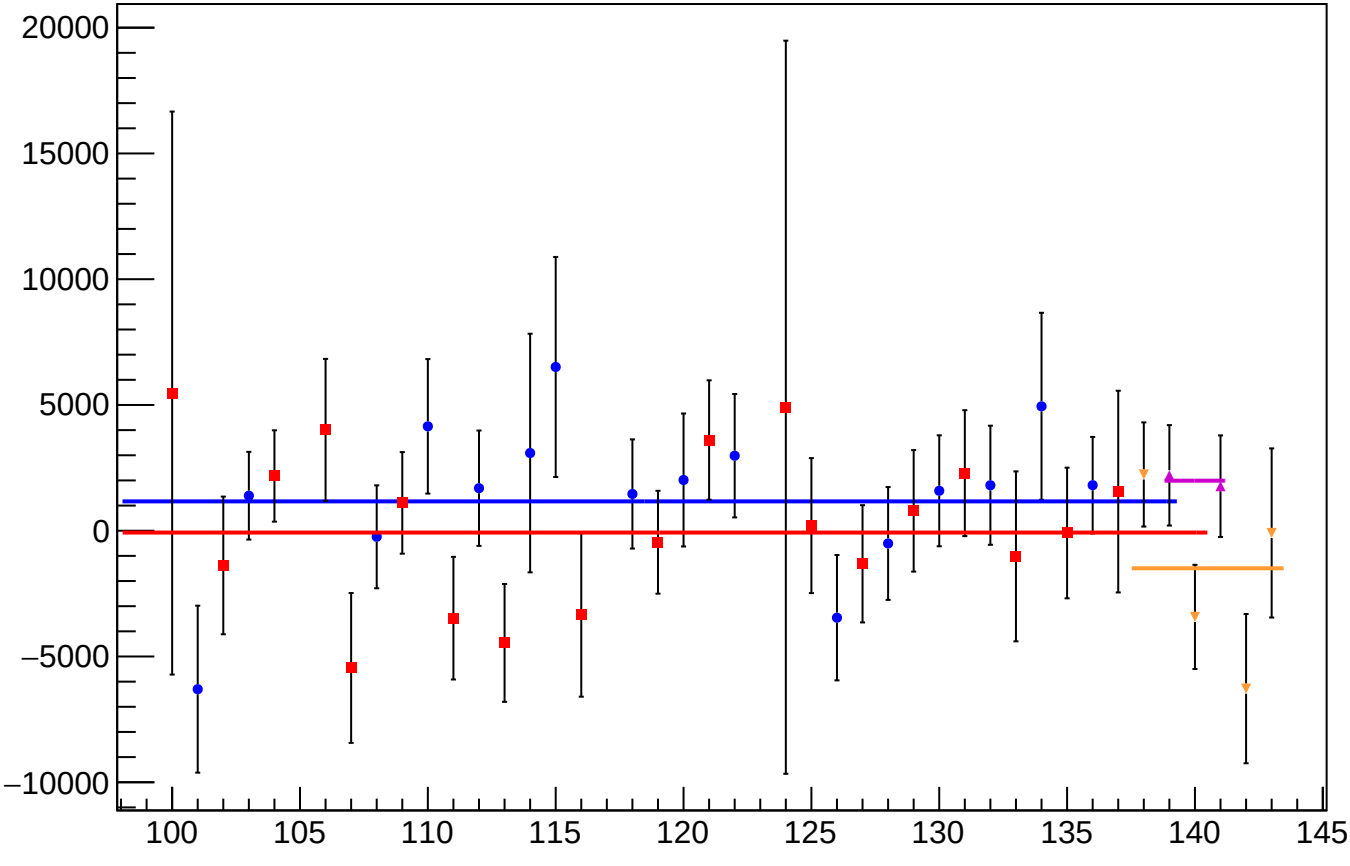
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1180.470+/-0.305 χ^2/NDF:2818405.2/17

Out: 1118.272+/-0.279 χ^2/NDF:3947727.9/22

All: 1146.585+/-0.206 χ^2/NDF: 6788783.8/40

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.777+/-1223.248 χ^2/NDF:6.9/3

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: -9.503+/-926.651 χ^2/NDF: 10.4/5

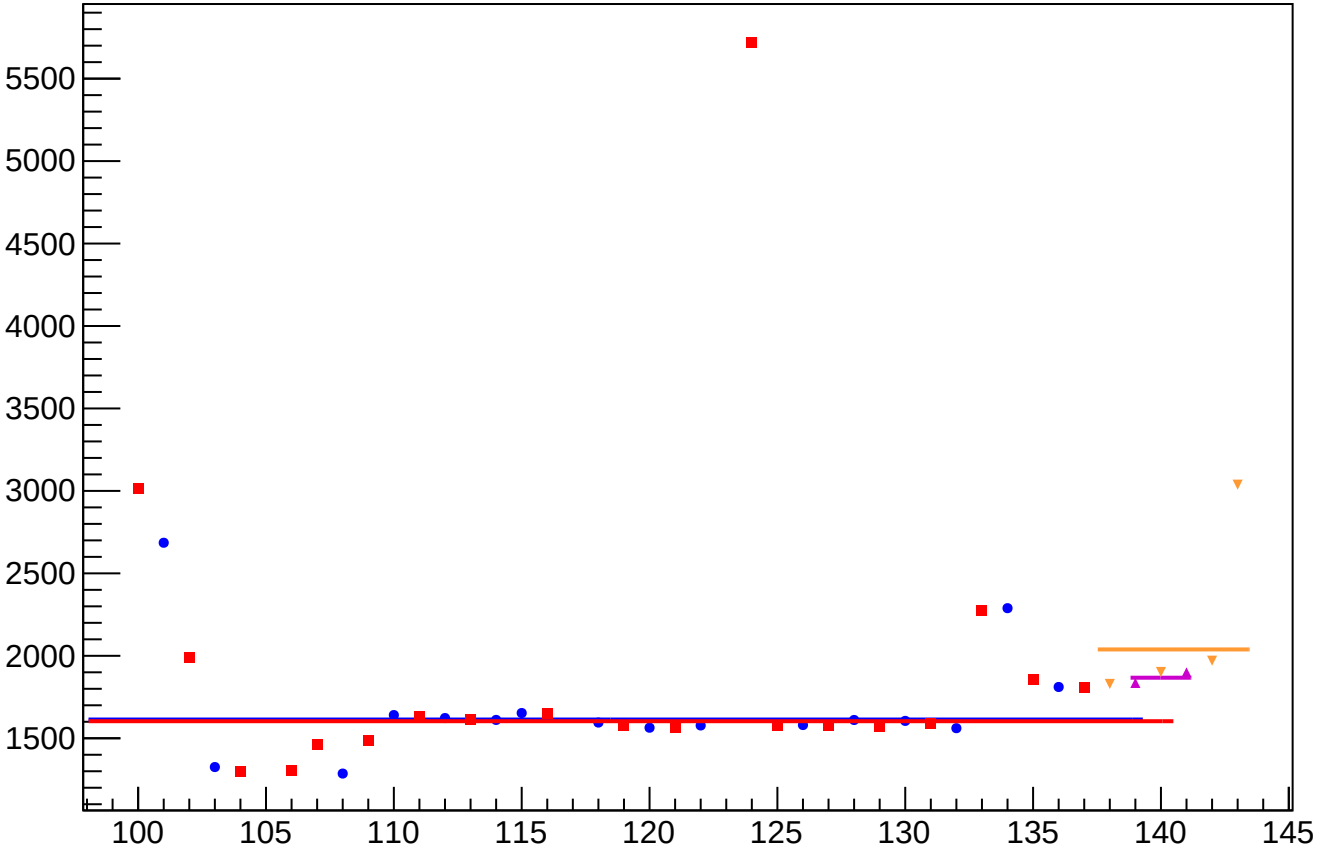
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1294.685+/-559.801 χ^2/NDF:14.7/17

Out: -350.620+/-541.117 χ^2/NDF:26.3/22

All: 444.118+/-389.065 χ^2/NDF: 45.5/40

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

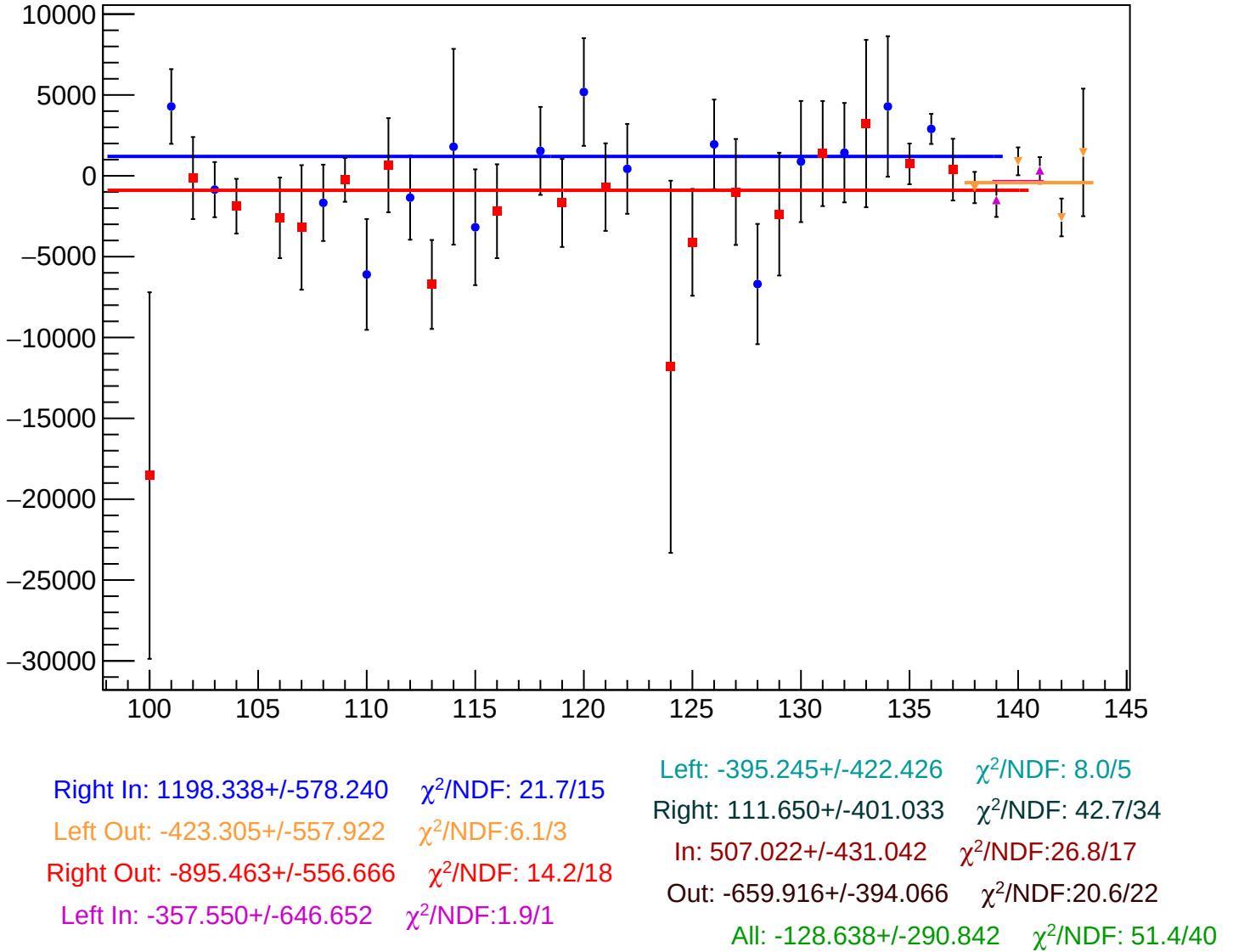
Left: 1965.611+/-0.655 χ^2/NDF: 224496.9/5

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1653.105+/-0.396 χ^2/NDF:459584.3/17

Out: 1688.628+/-0.383 χ^2/NDF:836158.6/22

All: 1671.469+/-0.275 χ^2/NDF: 1299906.2/40


asym_at2_dd_cor_correction_mean vs Slug, Sign Corrected
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−20000
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135
140
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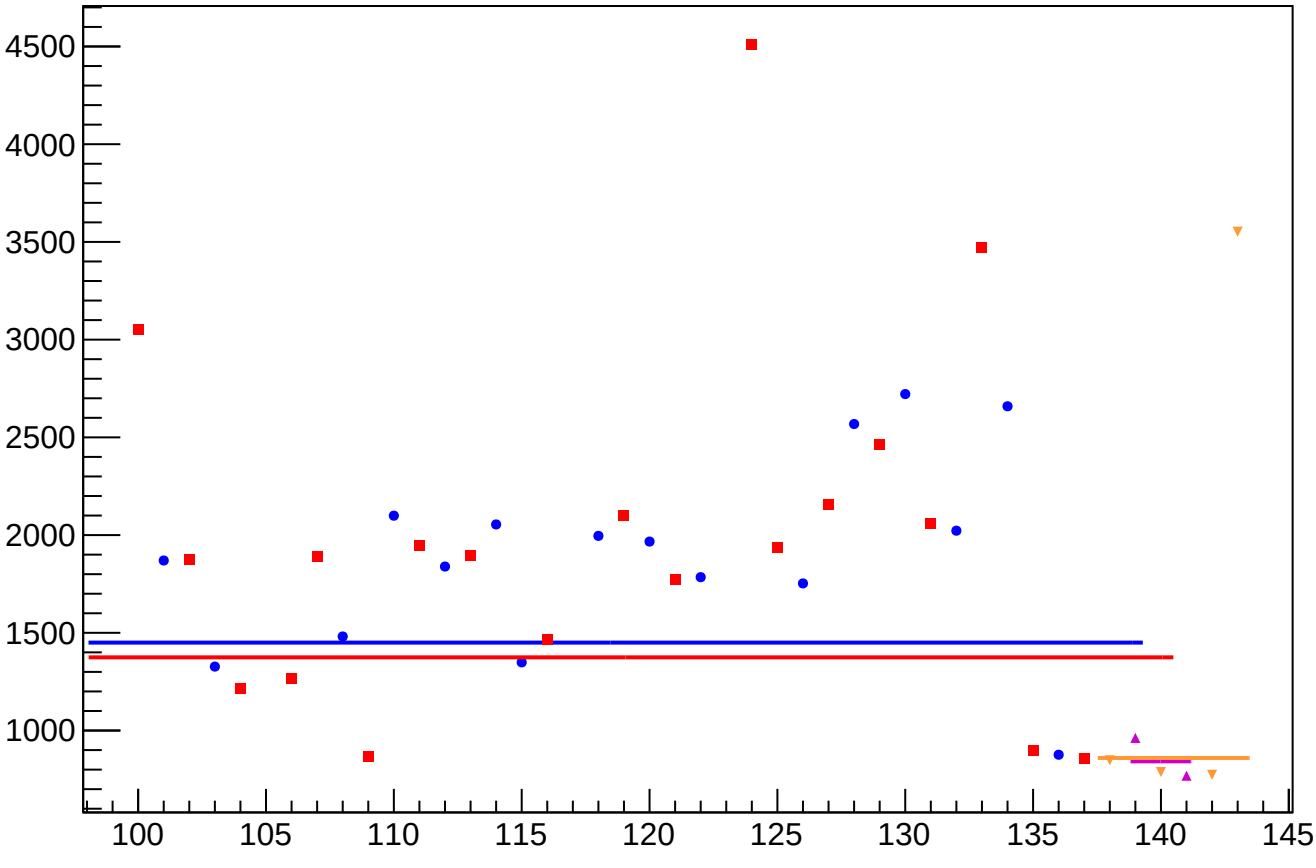
Right In: 1198.338+/-578.240 χ²/NDF: 21.7/15
Left Out: -423.305+/-557.922 χ²/NDF:6.1/3
Right Out: -895.463+/-556.666 χ²/NDF: 14.2/18
Left In: -357.550+/-646.652 χ²/NDF:1.9/1
Left: -395.245+/-422.426 χ²/NDF: 8.0/5
Right: 111.650+/-401.033 χ²/NDF: 42.7/34
In: 507.022+/-431.042 χ²/NDF:26.8/17
Out: -659.916+/-394.066 χ²/NDF:20.6/22
All: -128.638+/-290.842 χ²/NDF: 51.4/40



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 859.679+/-0.395 χ^2/NDF:956762.5/3

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 842.278+/-0.457 χ^2/NDF:42070.1/1

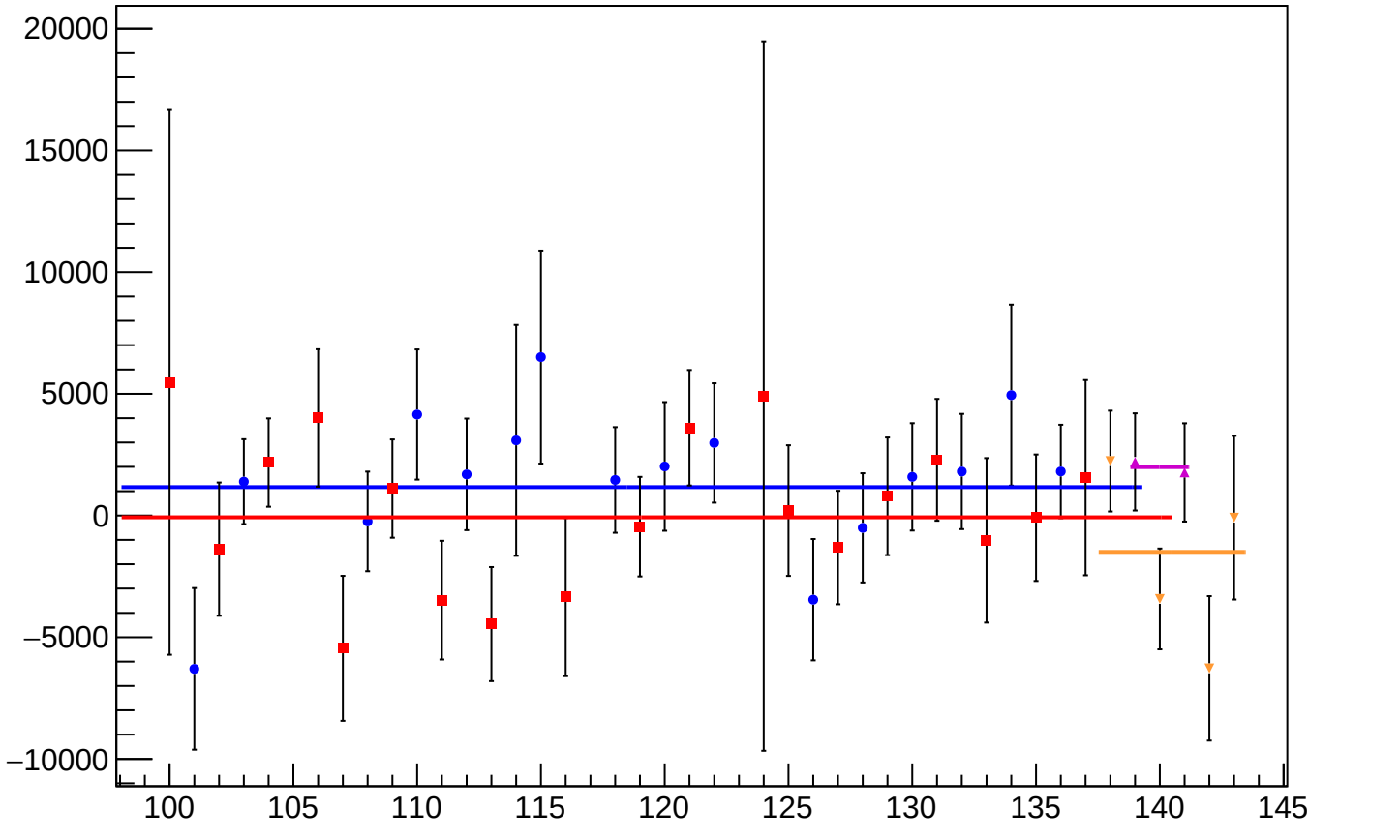
Left: 852.253+/-0.299 χ^2/NDF: 999662.8/5

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1179.941+/-0.305 χ^2/NDF:2816114.1/17

Out: 1117.638+/-0.279 χ^2/NDF:3937633.7/22

All: 1146.003+/-0.206 χ^2/NDF: 6776508.8/40



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1493.777+/-1223.248 χ^2/NDF:6.9/3

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 1989.263+/-1419.510 χ^2/NDF:0.0/1

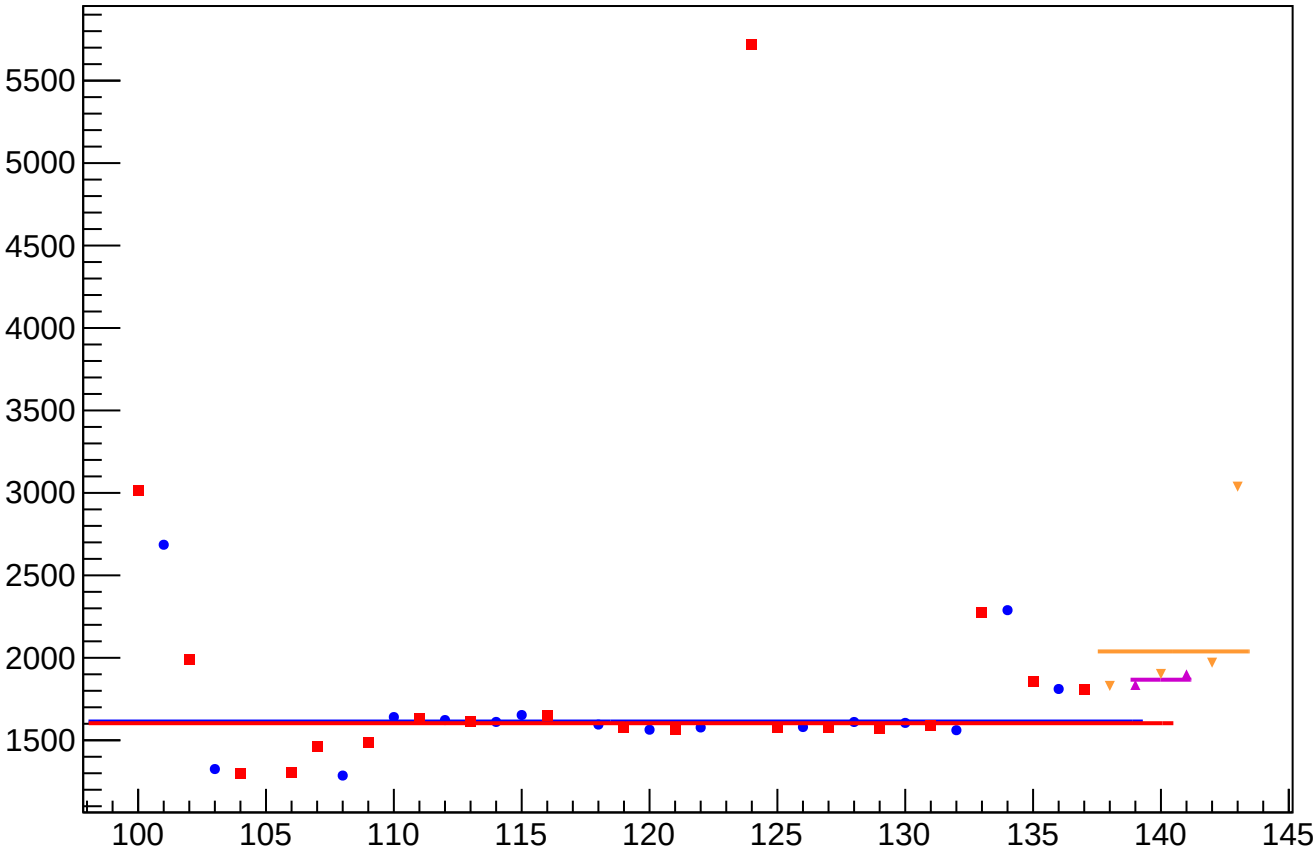
Left: -9.503+/-926.651 χ^2/NDF: 10.4/5

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 1294.685+/-559.801 χ^2/NDF:14.7/17

Out: -350.620+/-541.117 χ^2/NDF:26.3/22

All: 444.118+/-389.065 χ^2/NDF: 45.5/40



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2038.678+/-0.865 χ^2/NDF:206738.3/3

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1867.217+/-1.004 χ^2/NDF:1013.3/1

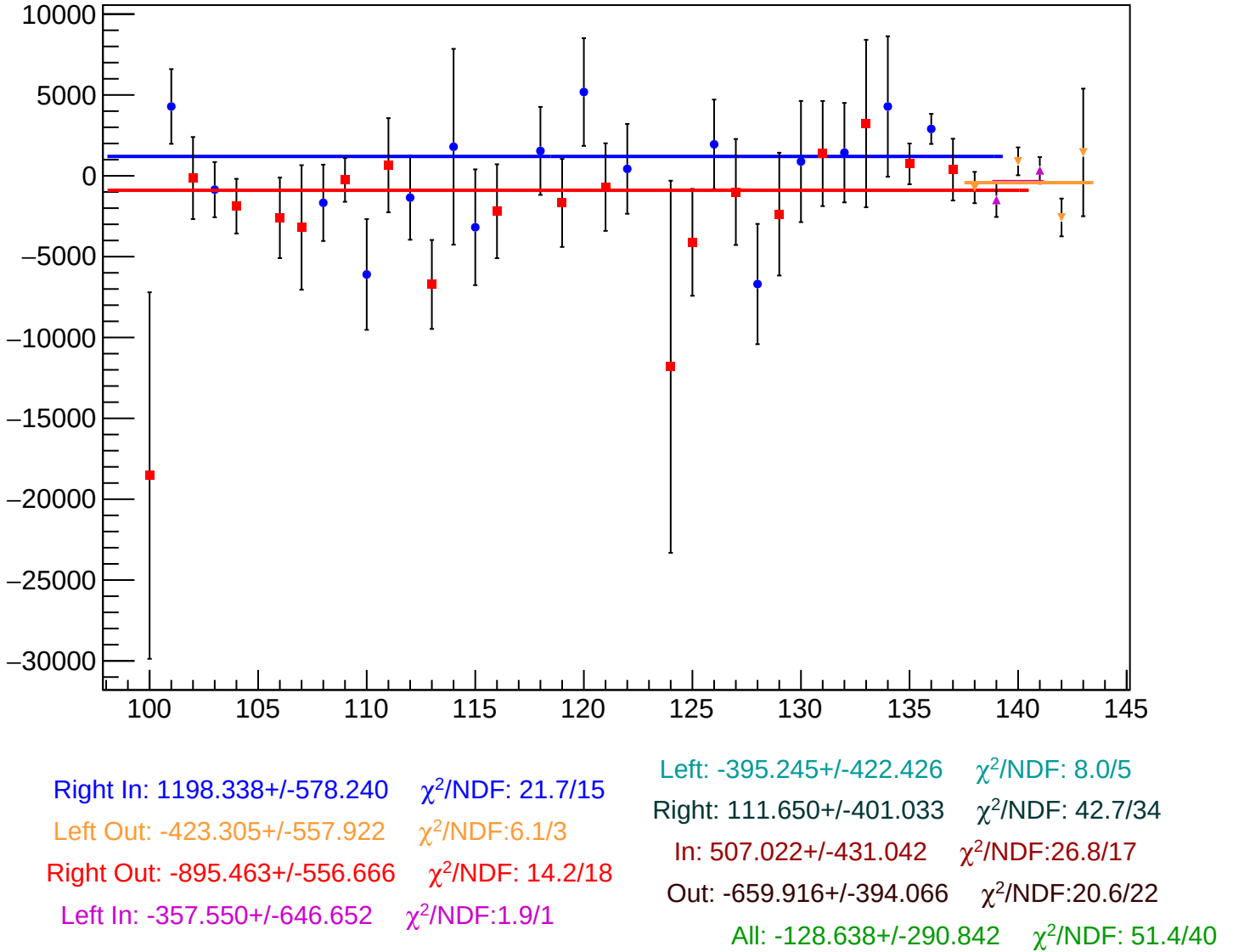
Left: 1965.611+/-0.655 χ^2/NDF: 224496.9/5

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1653.105+/-0.396 χ^2/NDF:459584.3/17

Out: 1688.628+/-0.383 χ^2/NDF:836158.6/22

All: 1671.469+/-0.275 χ^2/NDF: 1299906.2/40


asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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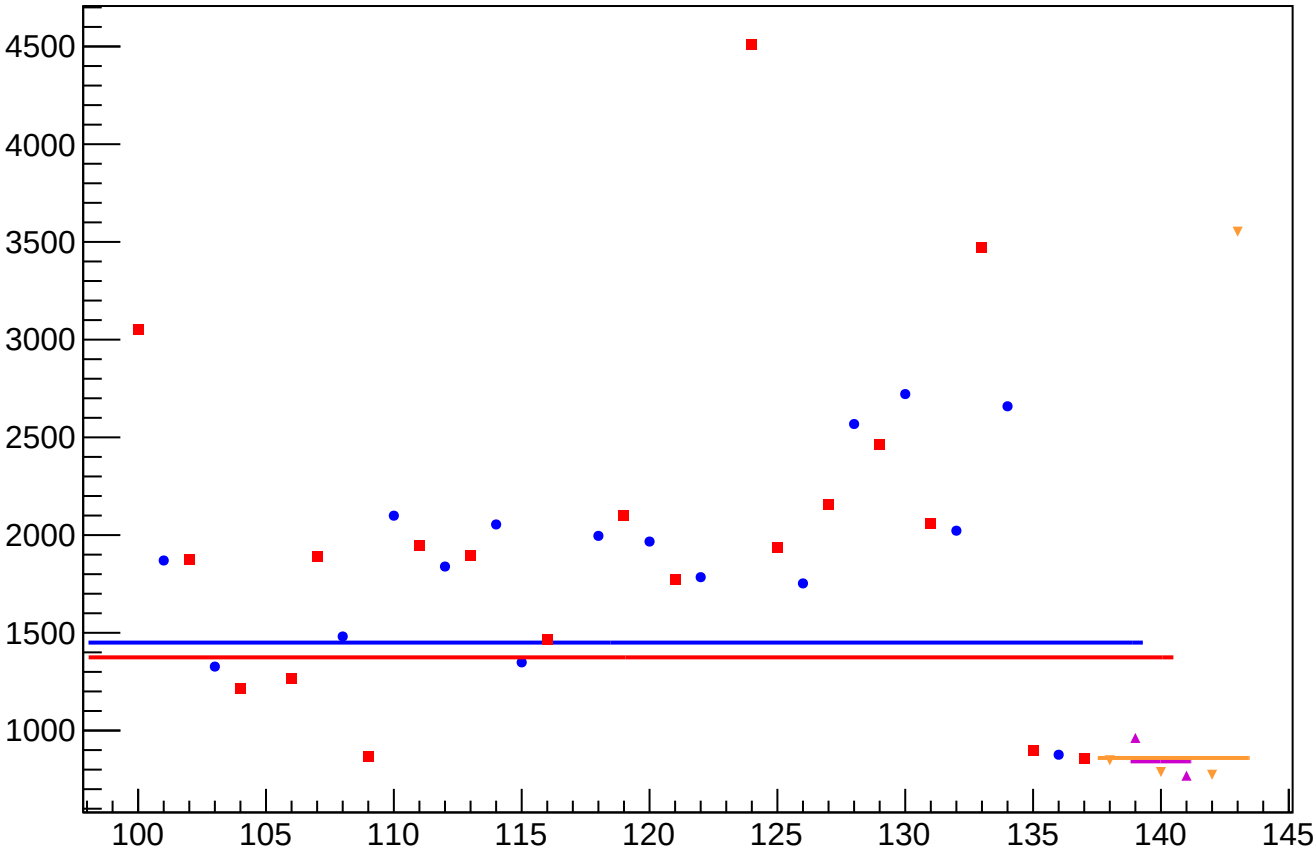
Right In: 1198.338+/-578.240 χ²/NDF: 21.7/15
Left Out: -423.305+/-557.922 χ²/NDF:6.1/3
Right Out: -895.463+/-556.666 χ²/NDF: 14.2/18
Left In: -357.550+/-646.652 χ²/NDF:1.9/1
Left: -395.245+/-422.426 χ²/NDF: 8.0/5
Right: 111.650+/-401.033 χ²/NDF: 42.7/34
In: 507.022+/-431.042 χ²/NDF:26.8/17
Out: -659.916+/-394.066 χ²/NDF:20.6/22
All: -128.638+/-290.842 χ²/NDF: 51.4/40



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 859.679+/-0.395 χ^2/NDF:956762.5/3

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: 852.253+/-0.299 χ^2/NDF: 999662.8/5

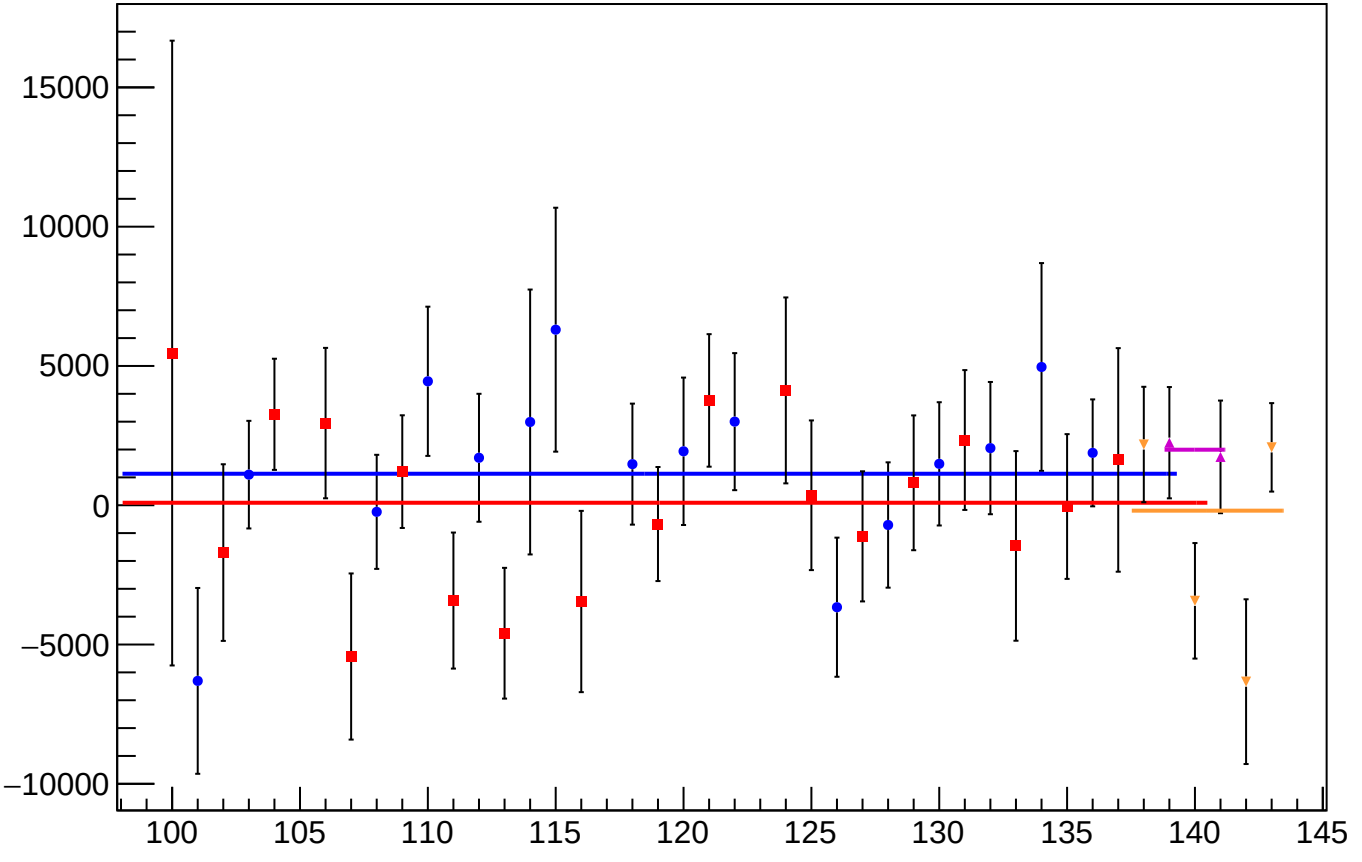
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1179.941+/-0.305 χ^2/NDF:2816114.1/17

Out: 1117.638+/-0.279 χ^2/NDF:3937633.7/22

All: 1146.003+/-0.206 χ^2/NDF: 6776508.8/40

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -194.593+/-1012.022 χ^2/NDF:10.1/3

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: 541.753+/-824.346 χ^2/NDF: 11.7/5

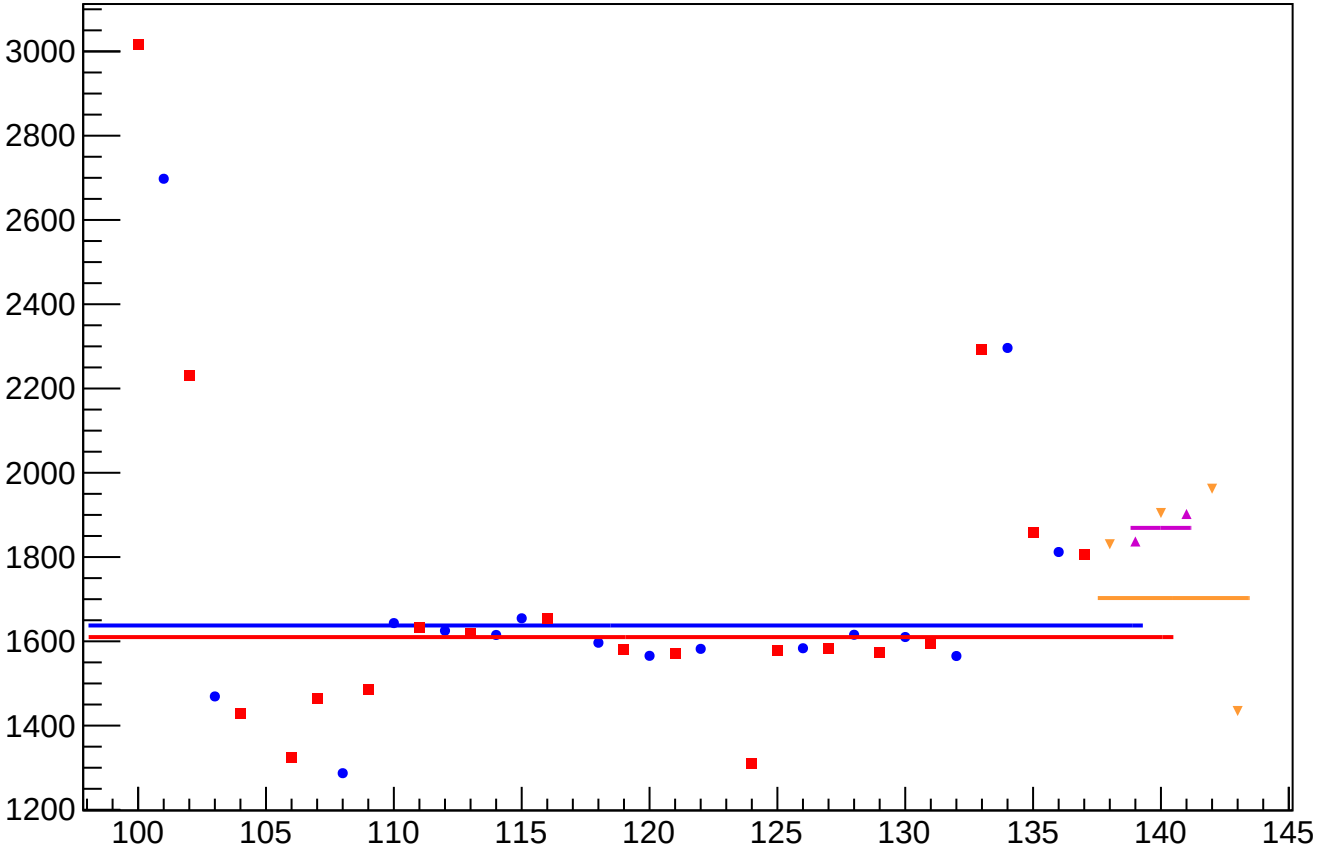
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 1267.682+/-566.139 χ^2/NDF:15.3/17

Out: 14.847+/-518.063 χ^2/NDF:30.8/22

All: 585.820+/-382.194 χ^2/NDF: 48.8/40

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1702.699+/-0.716 χ^2/NDF:98937.9/3

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1869.215+/-1.005 χ^2/NDF:1053.4/1

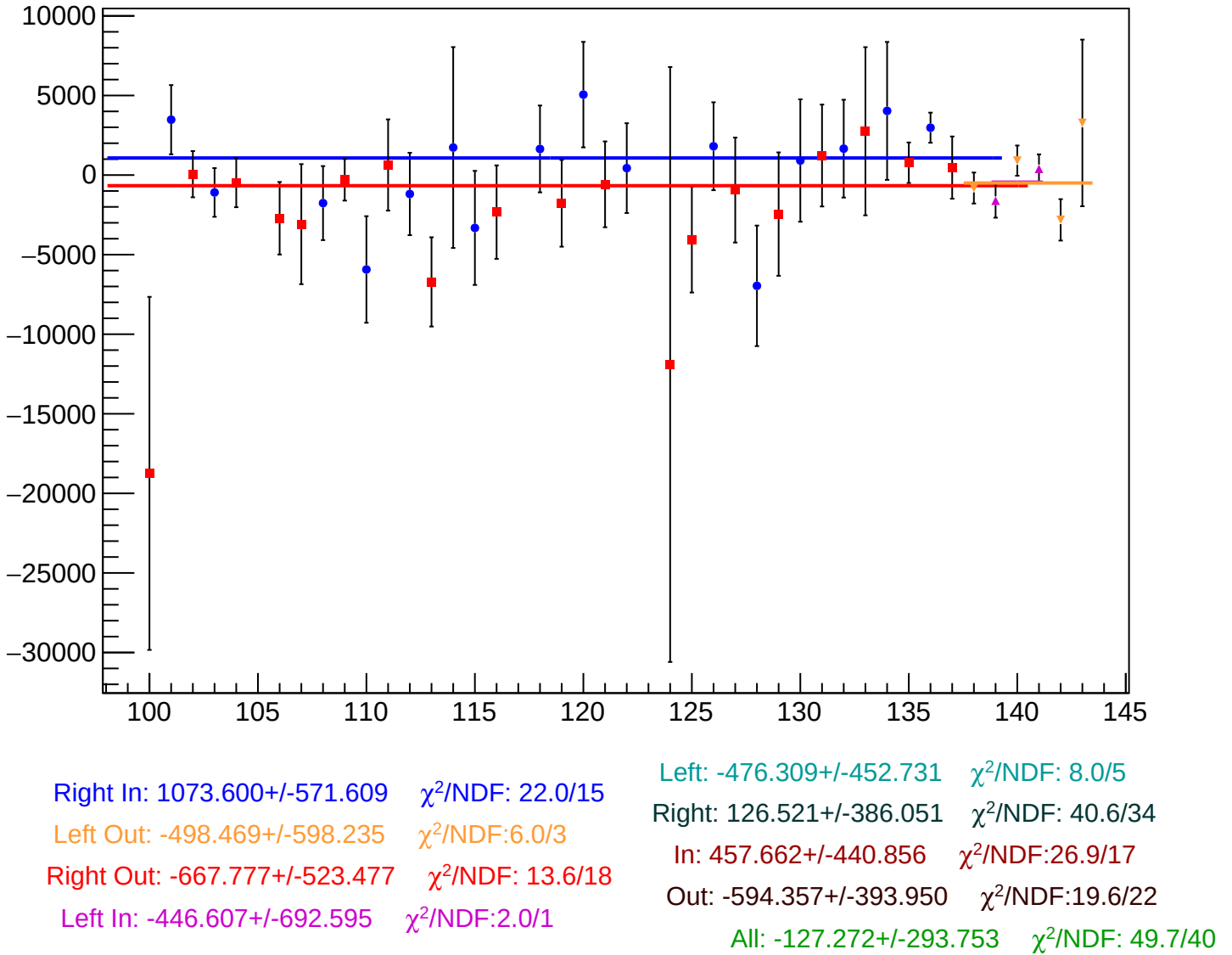
Left: 1758.732+/-0.583 χ^2/NDF: 118211.6/5

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1674.339+/-0.400 χ^2/NDF:407177.6/17

Out: 1634.324+/-0.366 χ^2/NDF:392121.9/22

All: 1652.560+/-0.270 χ^2/NDF: 804737.5/40


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
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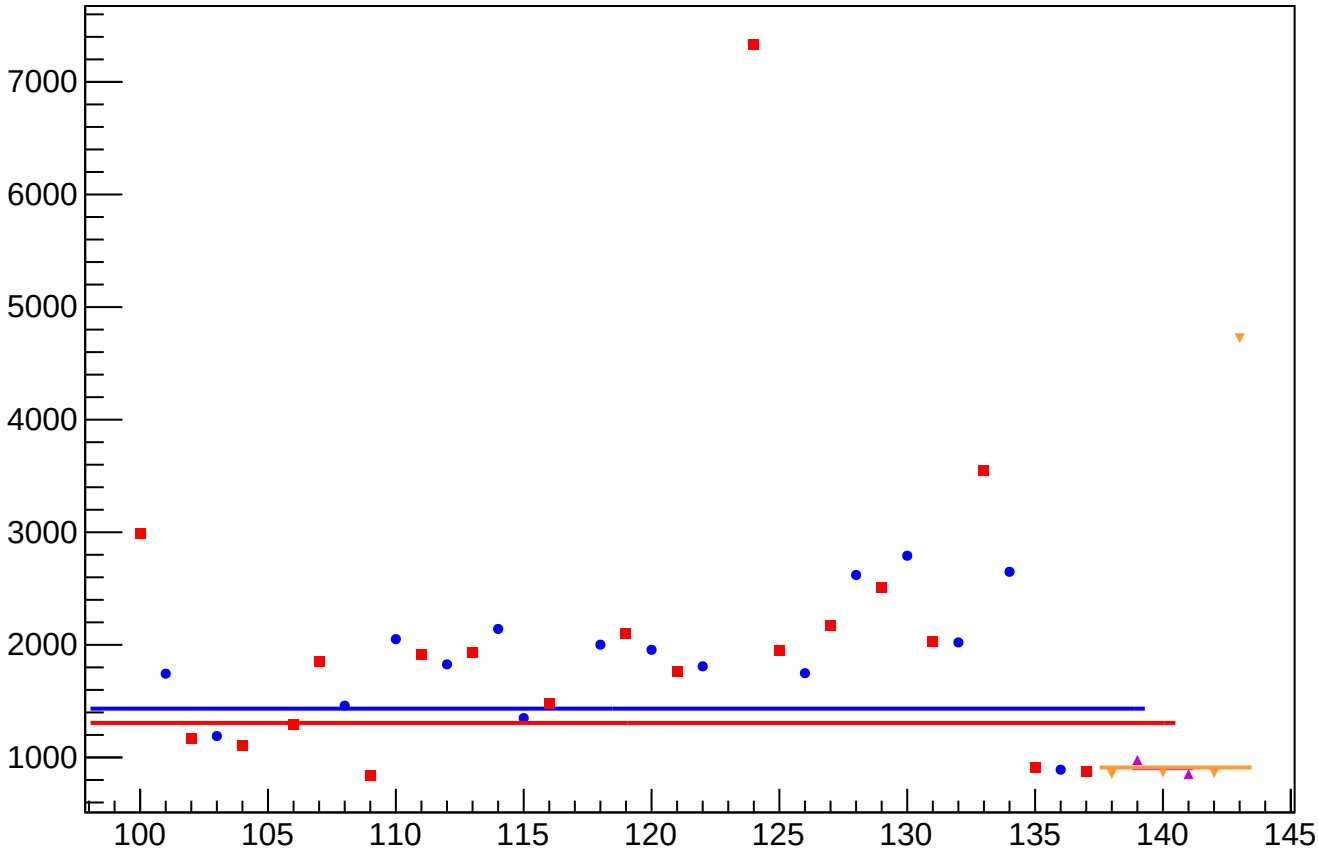
Right In: 1073.600+/-571.609 χ²/NDF: 22.0/15
Left Out: -498.469+/-598.235 χ²/NDF:6.0/3
Right Out: -667.777+/-523.477 χ²/NDF: 13.6/18
Left In: -446.607+/-692.595 χ²/NDF:2.0/1
Left: -476.309+/-452.731 χ²/NDF: 8.0/5
Right: 126.521+/-386.051 χ²/NDF: 40.6/34
In: 457.662+/-440.856 χ²/NDF:26.9/17
Out: -594.357+/-393.950 χ²/NDF:19.6/22
All: -127.272+/-293.753 χ²/NDF: 49.7/40


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
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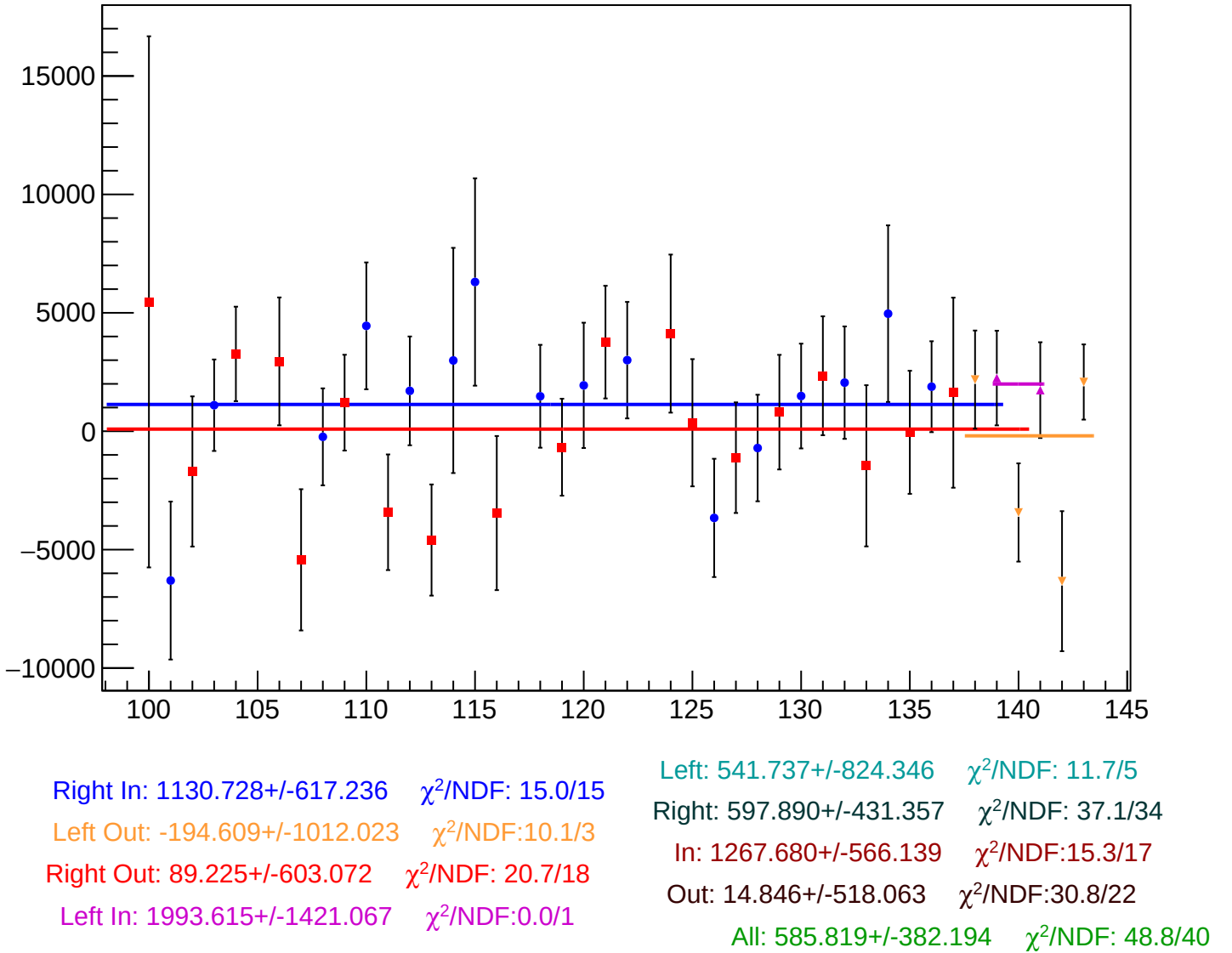
145
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 910.980+/-0.423 χ²/NDF:1074453.7/3
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 904.854+/-0.490 χ²/NDF:16068.2/1
Left: 908.362+/-0.320 χ²/NDF: 1090611.6/5
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1219.296+/-0.312 χ²/NDF:2472600.6/17
Out: 1135.191+/-0.279 χ²/NDF:3754396.2/22
All: 1172.533+/-0.208 χ²/NDF: 6267469.9/40


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
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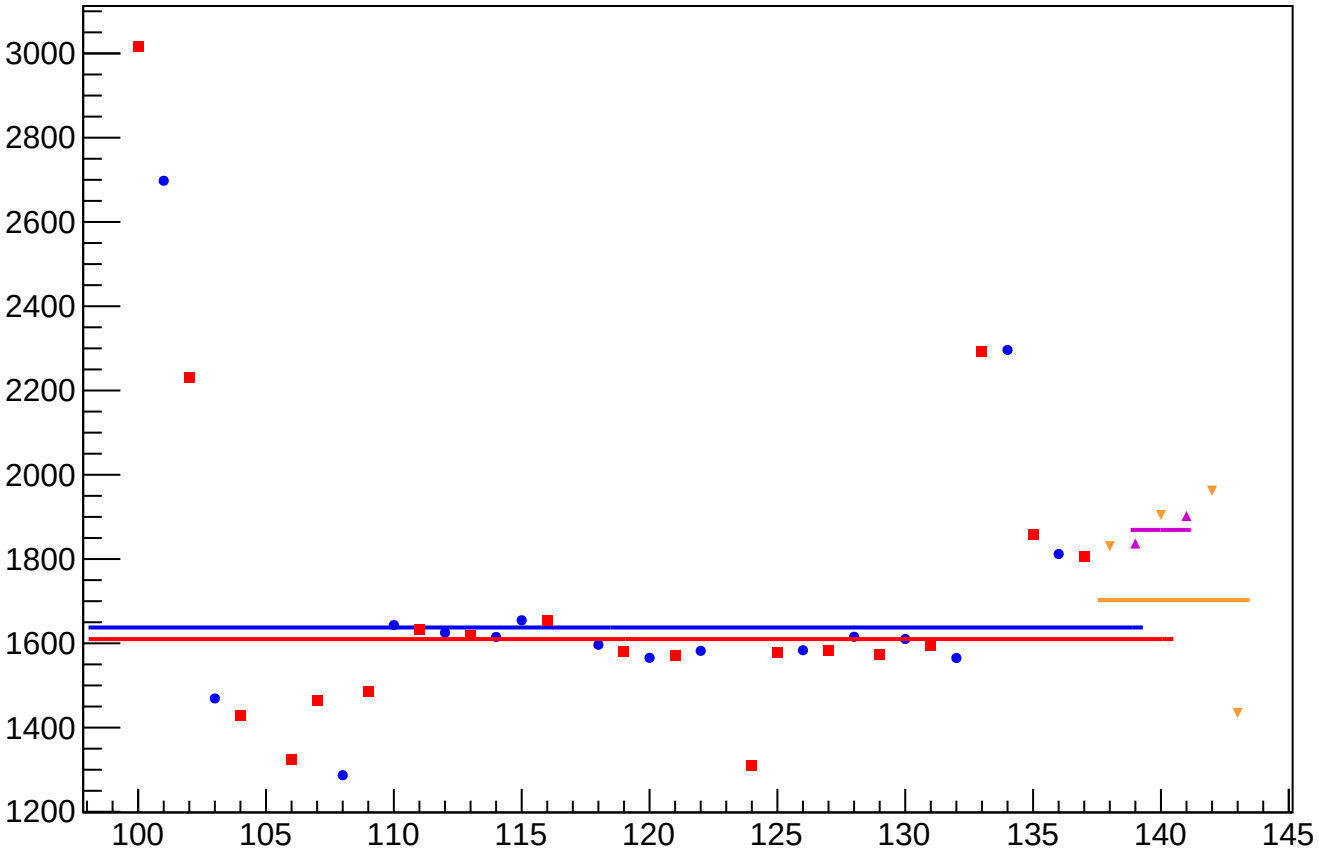
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: -194.609+/-1012.023 χ²/NDF:10.1/3
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 1993.615+/-1421.067 χ²/NDF:0.0/1
Left: 541.737+/-824.346 χ²/NDF: 11.7/5
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 1267.680+/-566.139 χ²/NDF:15.3/17
Out: 14.846+/-518.063 χ²/NDF:30.8/22
All: 585.819+/-382.194 χ²/NDF: 48.8/40



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1702.700+/-0.716 χ^2/NDF:98937.0/3

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1869.216+/-1.005 χ^2/NDF:1053.4/1

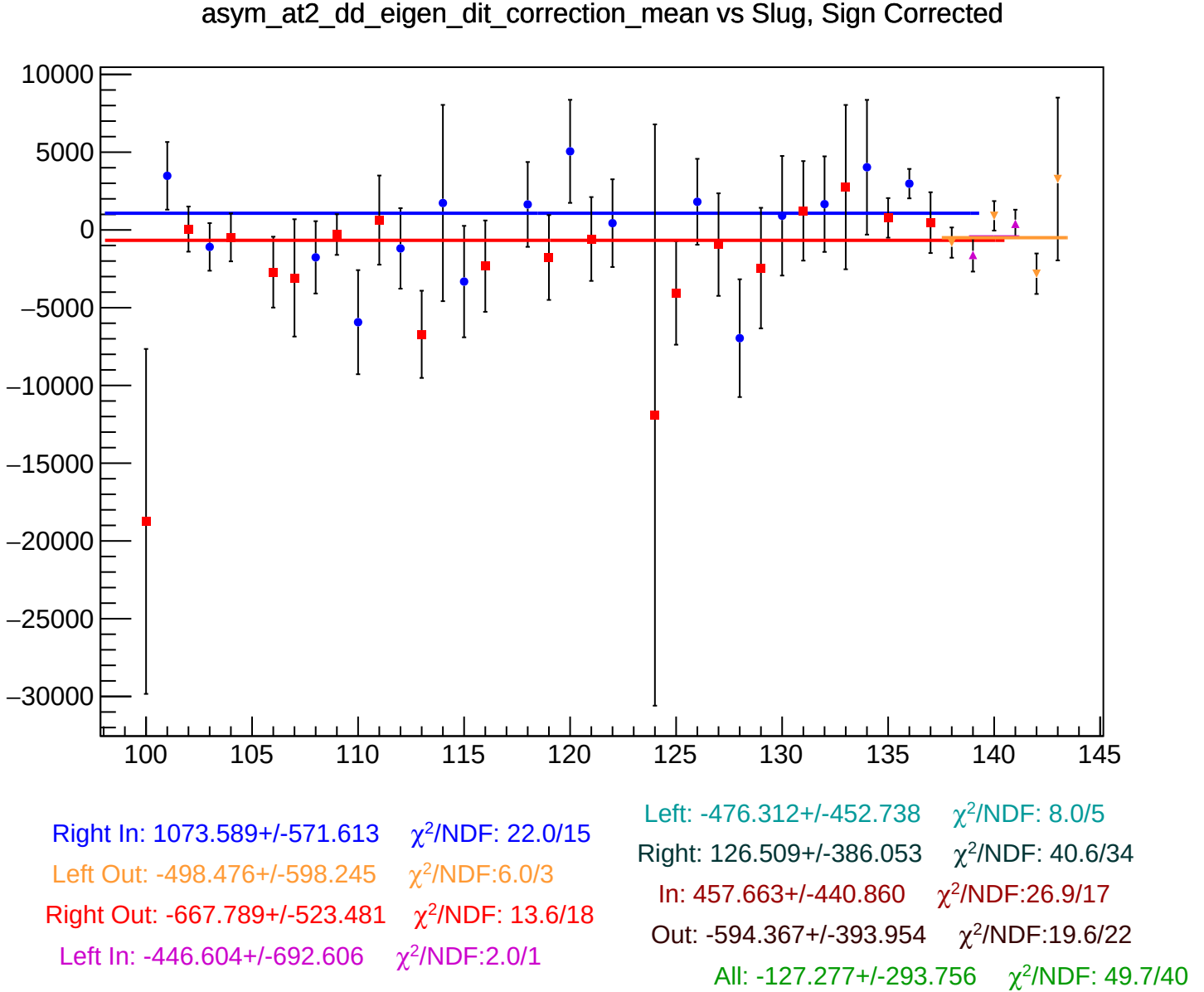
Left: 1758.733+/-0.583 χ^2/NDF: 118210.3/5

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1674.339+/-0.400 χ^2/NDF:407177.5/17

Out: 1634.324+/-0.366 χ^2/NDF:392121.5/22

All: 1652.560+/-0.270 χ^2/NDF: 804736.9/40


asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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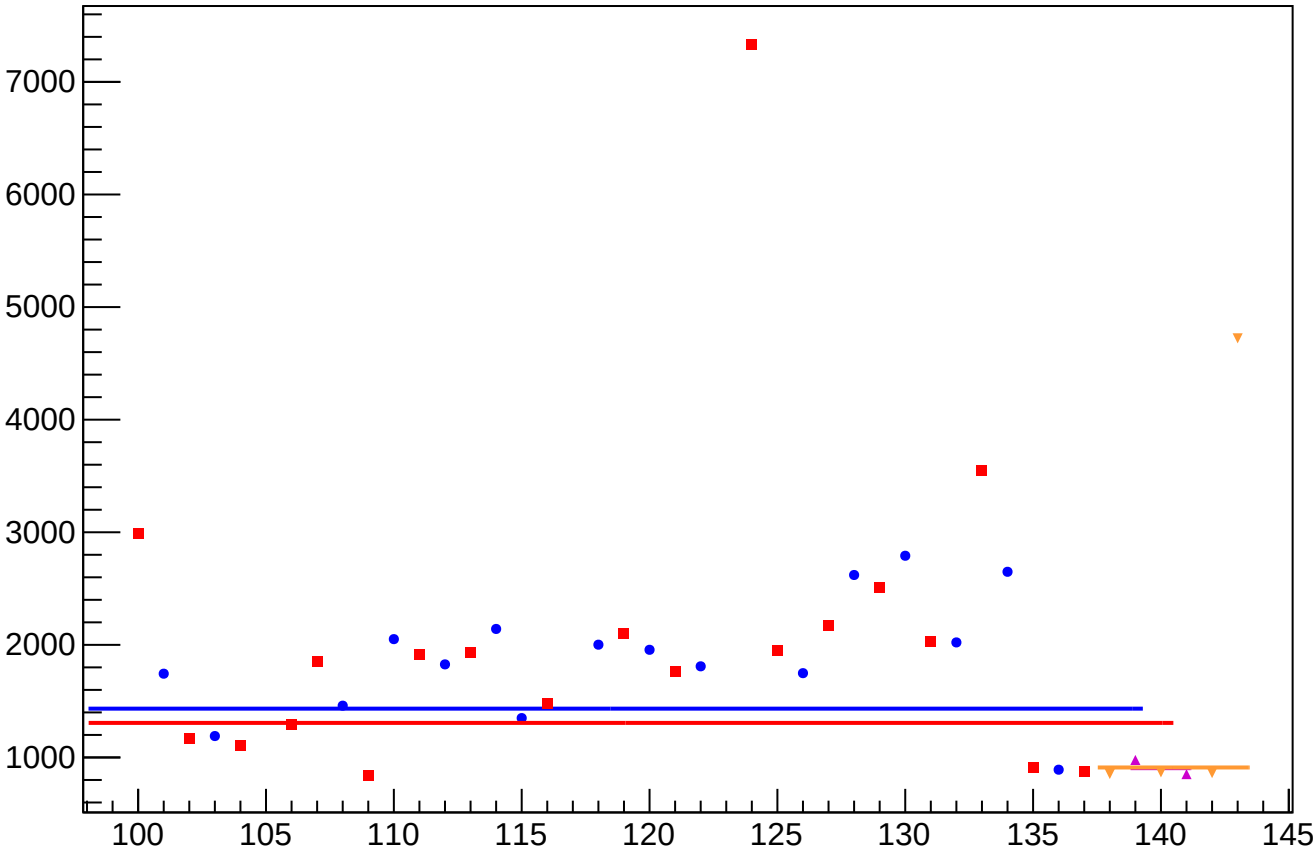
Right In: 1073.589+/-571.613 χ²/NDF: 22.0/15
Left Out: -498.476+/-598.245 χ²/NDF:6.0/3
Right Out: -667.789+/-523.481 χ²/NDF: 13.6/18
Left In: -446.604+/-692.606 χ²/NDF:2.0/1
Left: -476.312+/-452.738 χ²/NDF: 8.0/5
Right: 126.509+/-386.053 χ²/NDF: 40.6/34
In: 457.663+/-440.860 χ²/NDF:26.9/17
Out: -594.367+/-393.954 χ²/NDF:19.6/22
All: -127.277+/-293.756 χ²/NDF: 49.7/40


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
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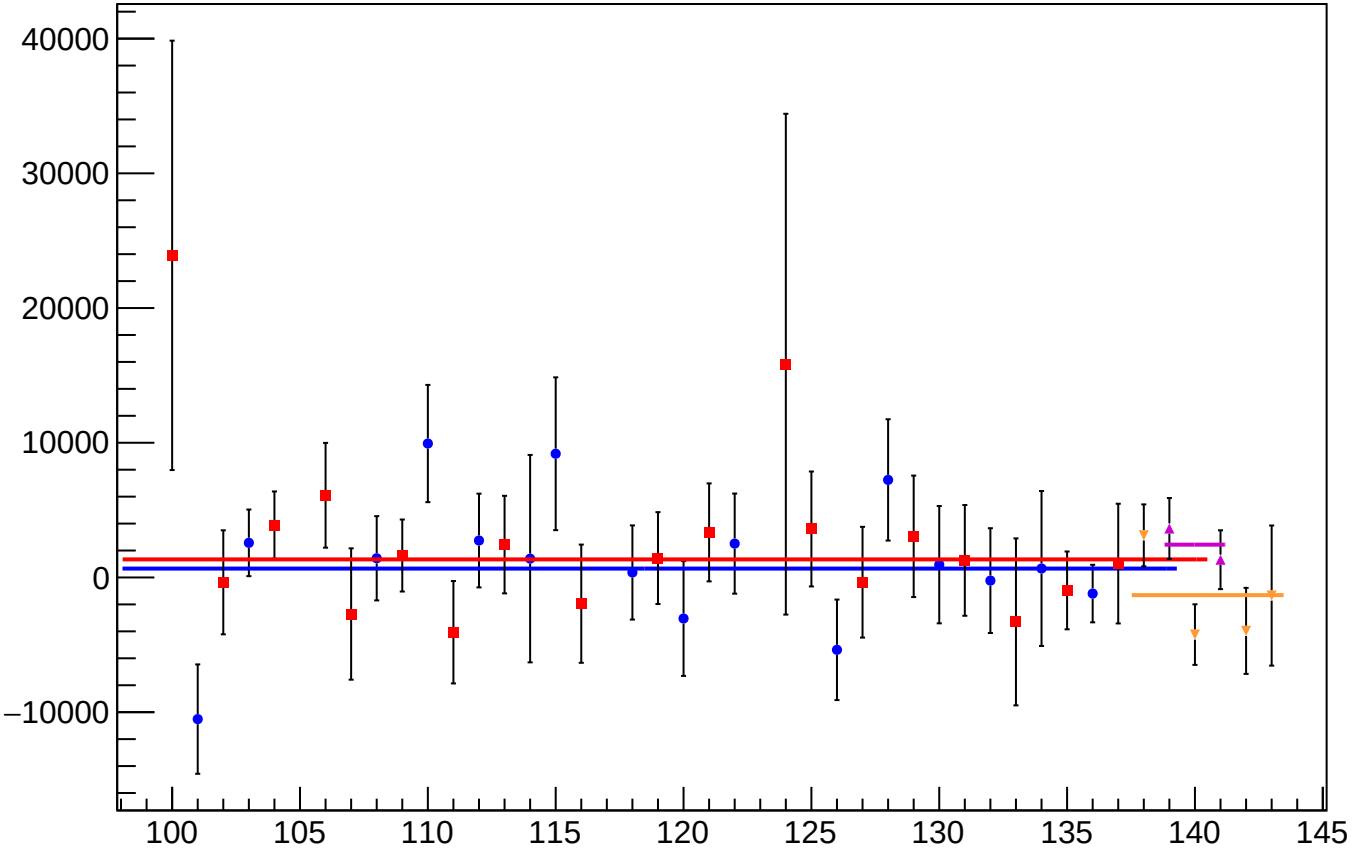
145
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 910.996+/-0.423 χ²/NDF:1074445.4/3
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 904.868+/-0.490 χ²/NDF:16072.8/1
Left: 908.377+/-0.320 χ²/NDF: 1090607.8/5
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1219.313+/-0.312 χ²/NDF:2472496.6/17
Out: 1135.207+/-0.279 χ²/NDF:3754298.0/22
All: 1172.549+/-0.208 χ²/NDF: 6267267.9/40

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1311.603+/-1383.717 χ^2/NDF:6.1/3

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: 325.644+/-1038.369 χ^2/NDF: 9.9/5

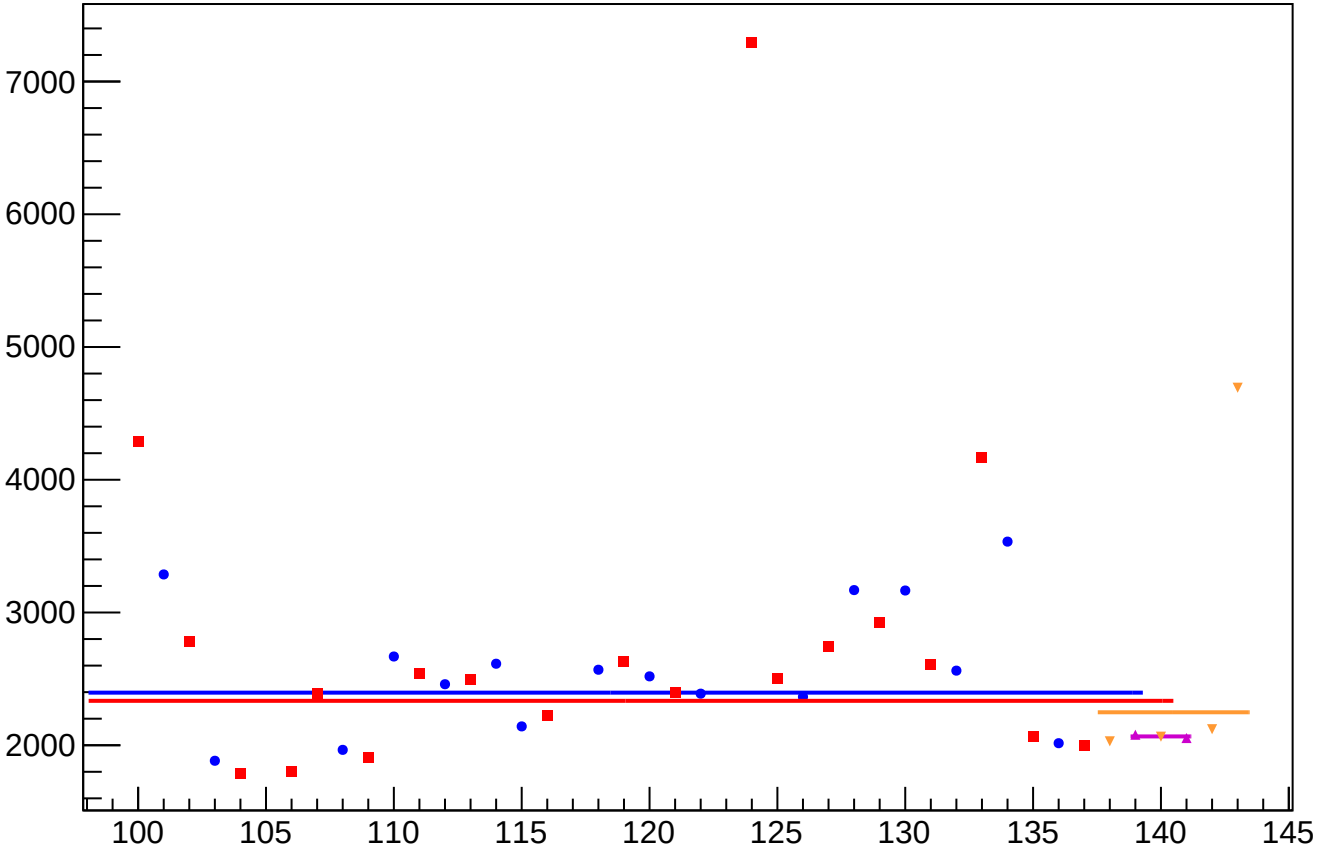
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 1105.488+/-787.156 χ^2/NDF:23.5/17

Out: 564.747+/-748.876 χ^2/NDF:19.5/22

All: 821.650+/-542.564 χ^2/NDF: 43.3/40

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2248.382+/-0.978 χ^2/NDF:476669.1/3

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2066.470+/-1.111 χ^2/NDF:125.3/1

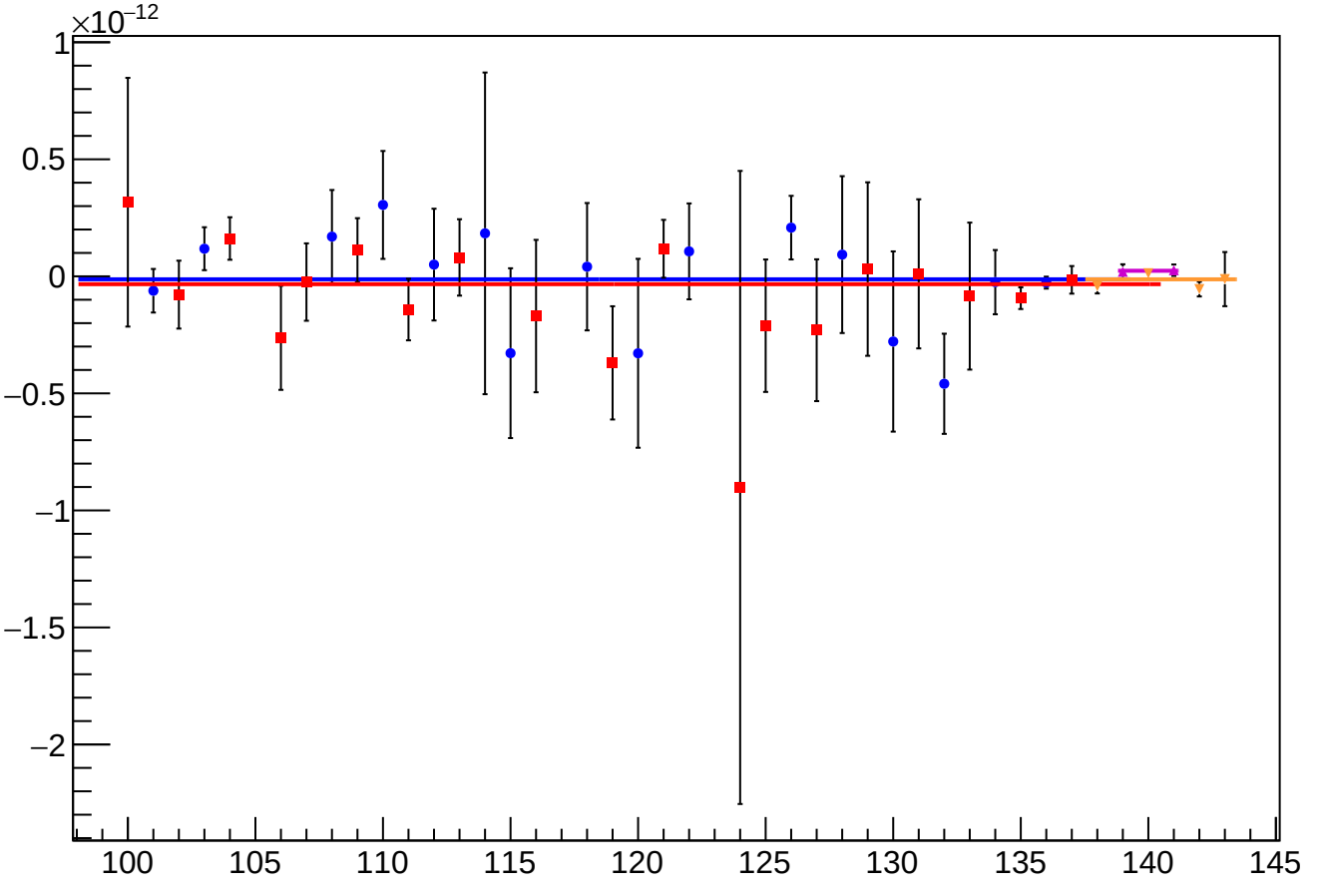
Left: 2168.910+/-0.734 χ^2/NDF: 491895.6/5

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2313.476+/-0.557 χ^2/NDF:574037.9/17

Out: 2309.341+/-0.530 χ^2/NDF:1163727.2/22

All: 2311.306+/-0.384 χ^2/NDF: 1737794.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

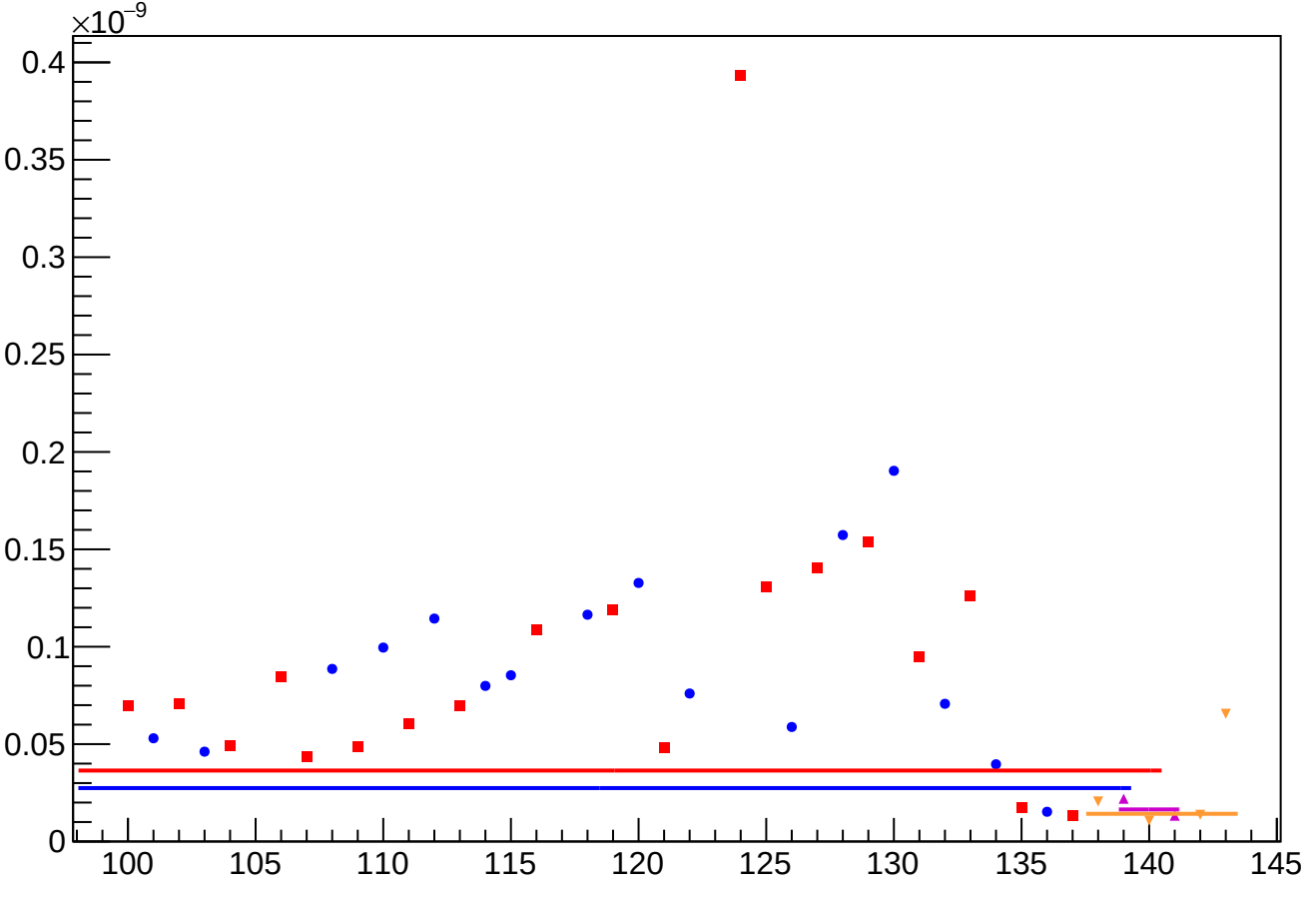
Left: 0.000+/-0.000 χ^2/NDF: 6.9/5

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:20.2/22

All: -0.000+/-0.000 χ^2/NDF: 38.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:547226.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:94598.4/1

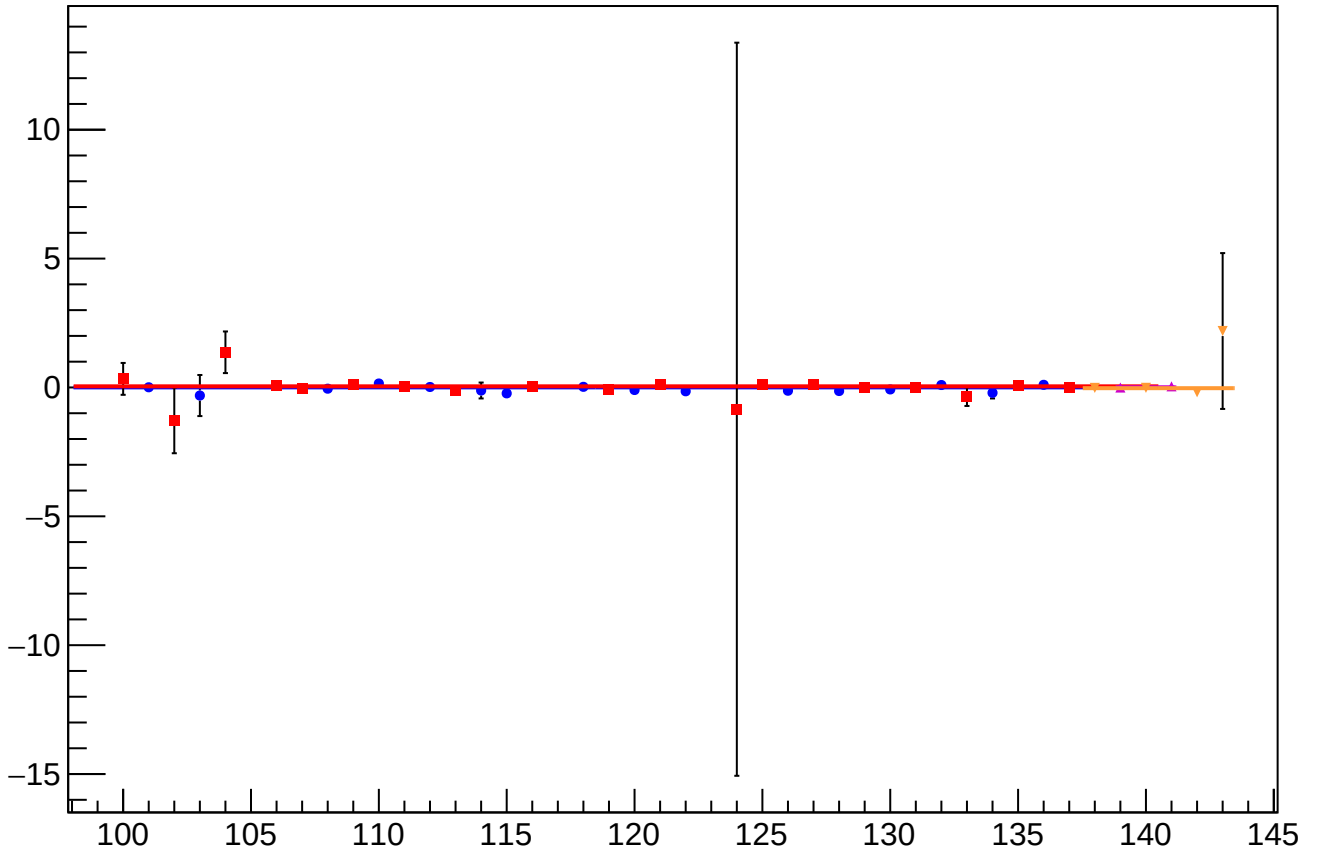
Left: 0.000+/-0.000 χ^2/NDF: 659119.3/5

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:3989437.0/22

All: 0.000+/-0.000 χ^2/NDF: 7120566.0/40



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

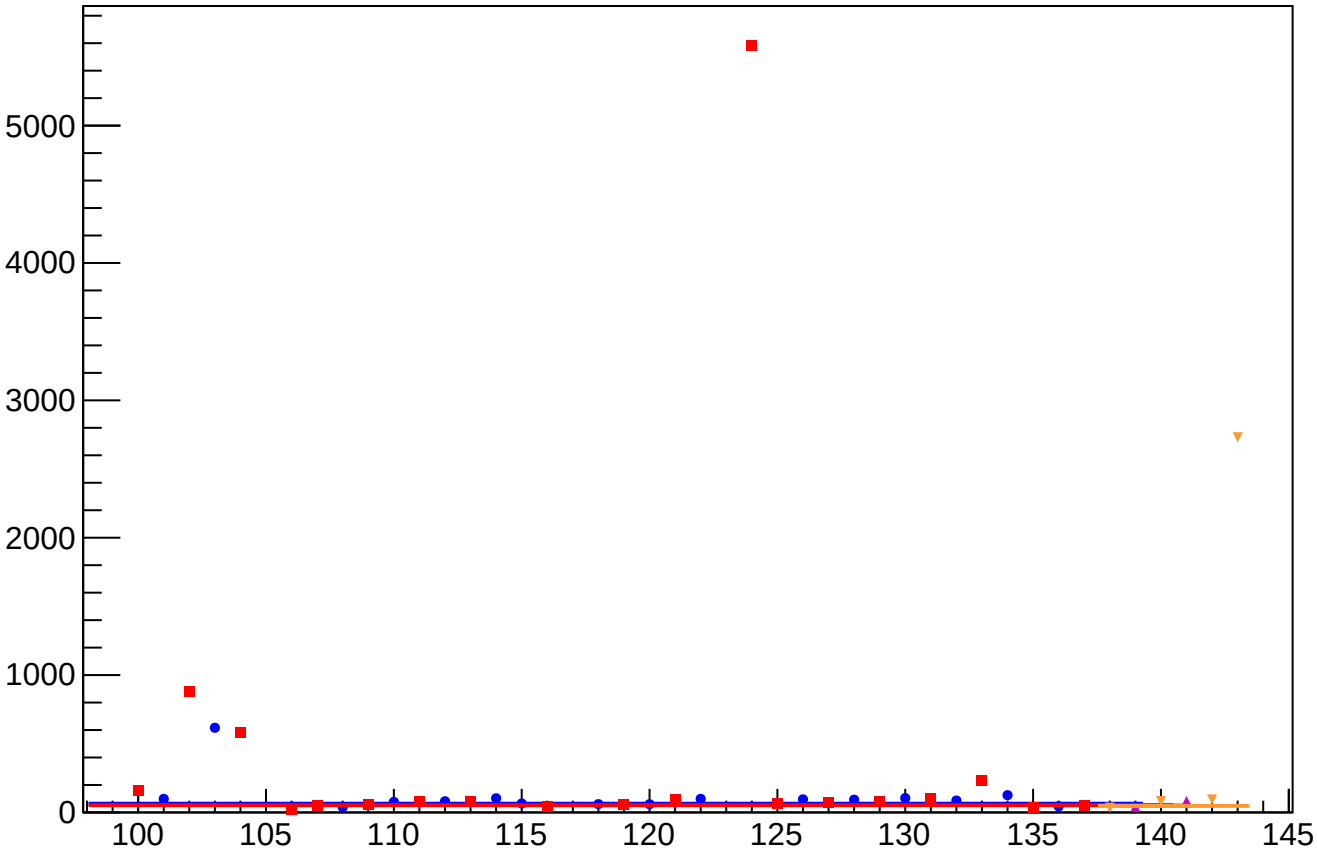
Left: -0.013+/-0.029 χ^2/NDF: 2.4/5

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.014+/-0.015 χ^2/NDF: 30.8/40



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 47.655+/-0.027 χ^2/NDF:2232378.6/3

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: 48.733+/-0.020 χ^2/NDF: 2563920.0/5

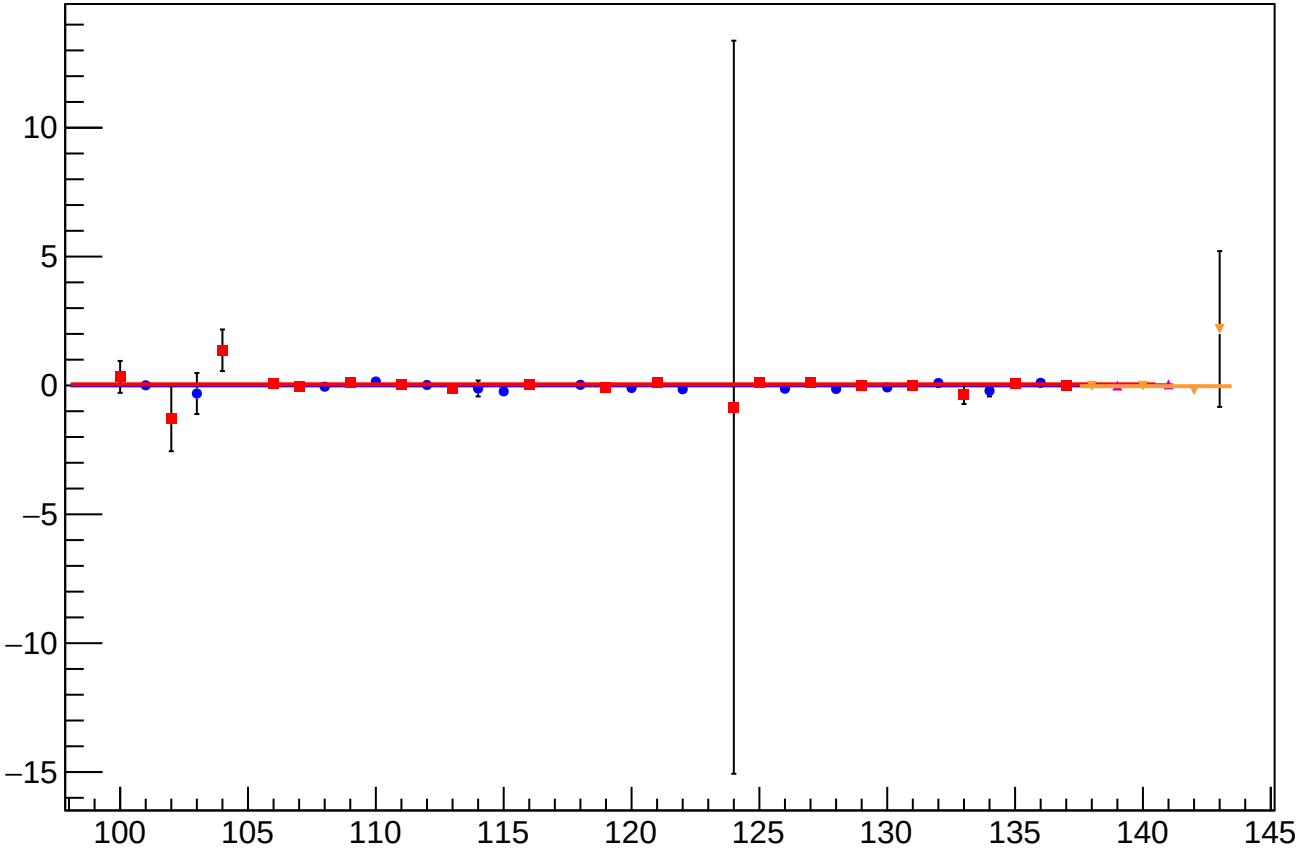
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.706+/-0.016 χ^2/NDF:2908160.7/17

Out: 51.569+/-0.015 χ^2/NDF:6207632.4/22

All: 55.228+/-0.011 χ^2/NDF: 9252689.9/40

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: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

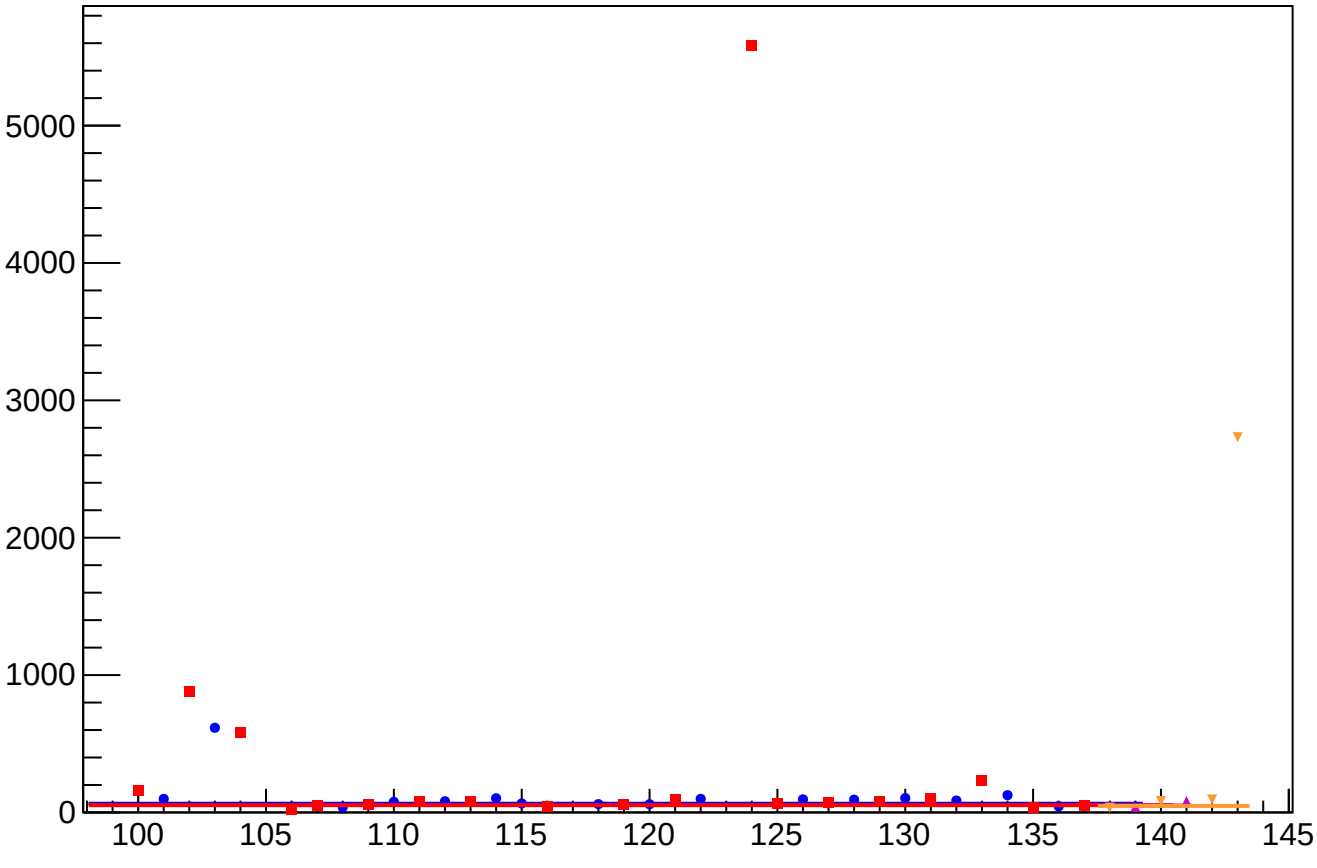
Left: -0.013+/-0.029 χ^2/NDF: 2.4/5

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.014+/-0.015 χ^2/NDF: 30.8/40



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 47.655+/-0.027 χ^2/NDF:2232378.6/3

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 50.119+/-0.031 χ^2/NDF:327935.7/1

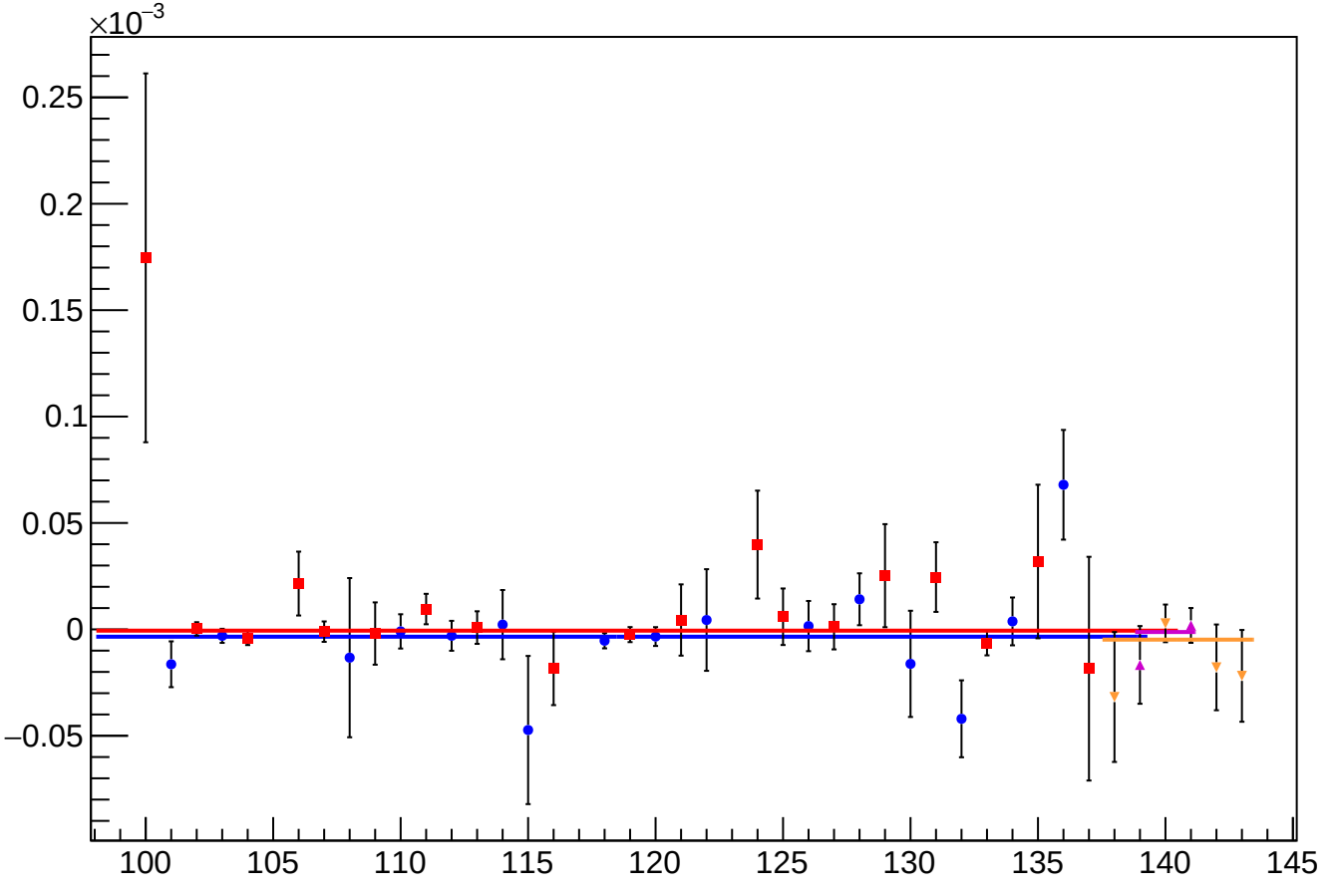
Left: 48.733+/-0.020 χ^2/NDF: 2563920.0/5

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.706+/-0.016 χ^2/NDF:2908160.7/17

Out: 51.569+/-0.015 χ^2/NDF:6207632.4/22

All: 55.228+/-0.011 χ^2/NDF: 9252689.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

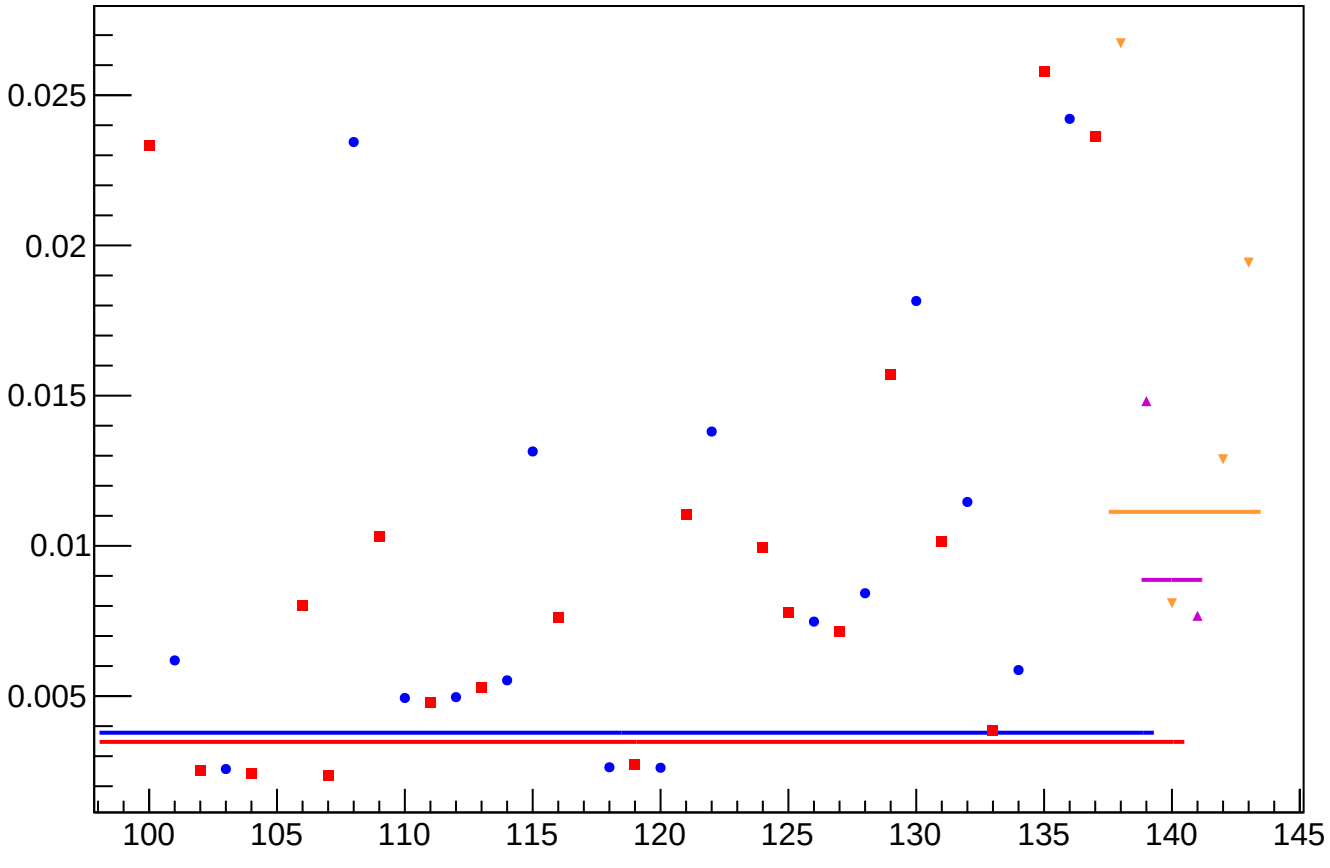
Left: -0.000+/-0.000 χ^2/NDF: 3.5/5

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:22.0/22

All: -0.000+/-0.000 χ^2/NDF: 43.1/40



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:1069712.5/3

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: 0.010+/-0.000 χ^2/NDF: 1417840.7/5

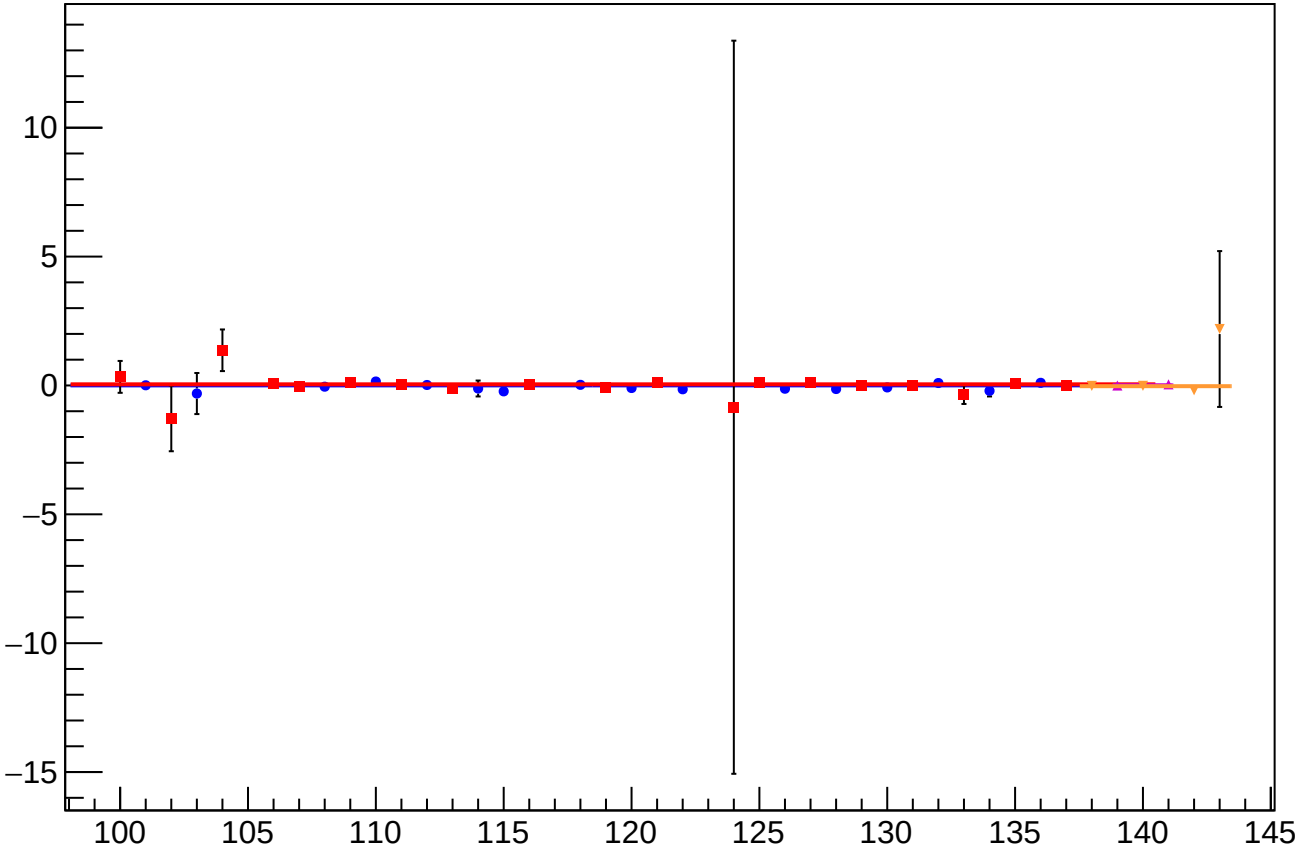
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:5850302.7/17

Out: 0.004+/-0.000 χ^2/NDF:7638702.1/22

All: 0.004+/-0.000 χ^2/NDF: 13515679.7/40

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: -0.028+/-0.038 χ^2/NDF:1.8/3

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.044 χ^2/NDF:0.2/1

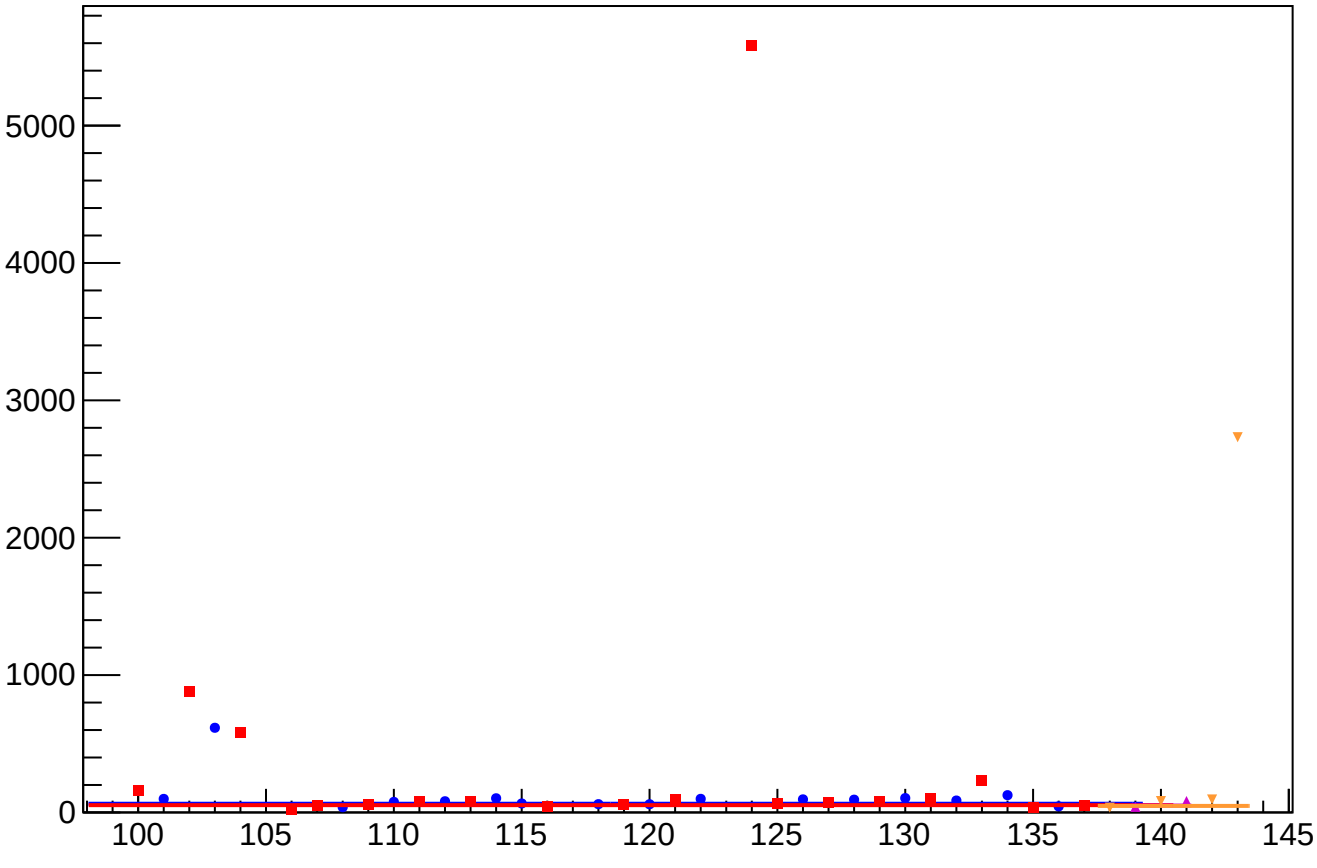
Left: -0.013+/-0.029 χ^2/NDF: 2.4/5

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.014+/-0.015 χ^2/NDF: 30.8/40



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 47.656+/-0.027 χ^2/NDF:2232468.8/3

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: 48.739+/-0.020 χ^2/NDF: 2563907.9/5

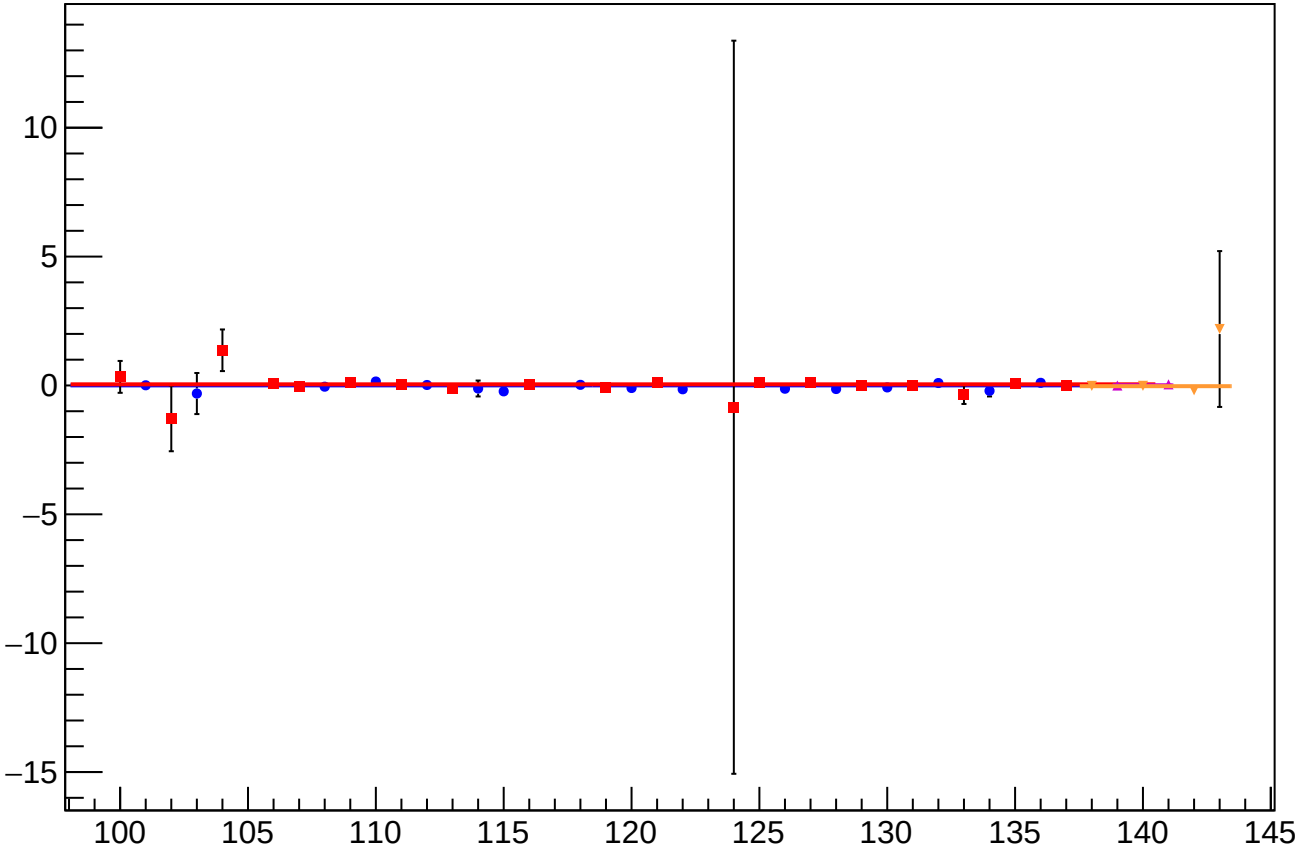
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.716+/-0.016 χ^2/NDF:2907026.7/17

Out: 51.566+/-0.015 χ^2/NDF:6208206.7/22

All: 55.230+/-0.011 χ^2/NDF: 9252563.4/40

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: -0.028+/-0.038 χ^2/NDF:1.8/3

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: -0.013+/-0.029 χ^2/NDF: 2.4/5

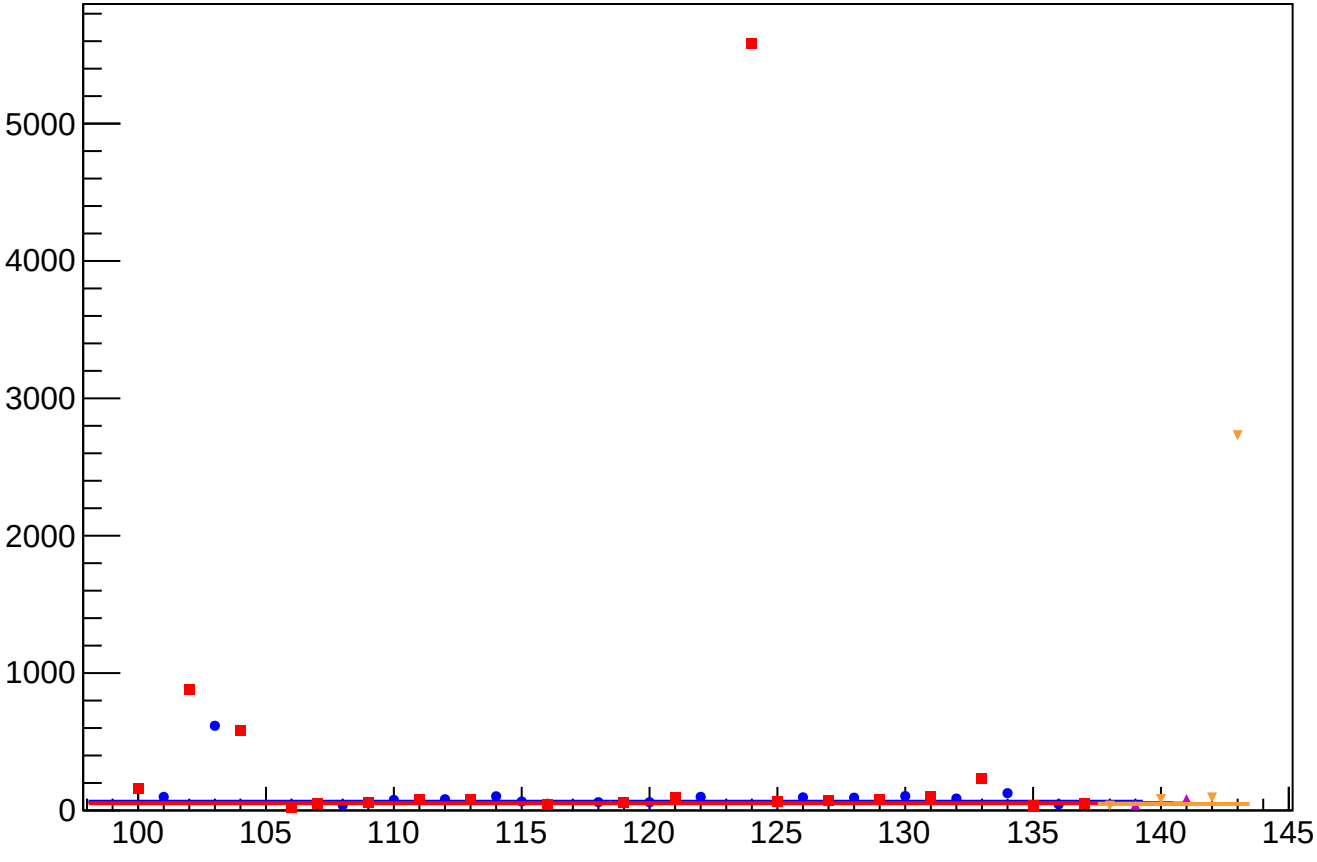
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.004+/-0.023 χ^2/NDF:13.5/17

Out: 0.022+/-0.021 χ^2/NDF:17.0/22

All: 0.014+/-0.015 χ^2/NDF: 30.8/40

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: 47.656+/-0.027 χ^2/NDF:2232468.8/3

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 50.131+/-0.031 χ^2/NDF:327802.1/1

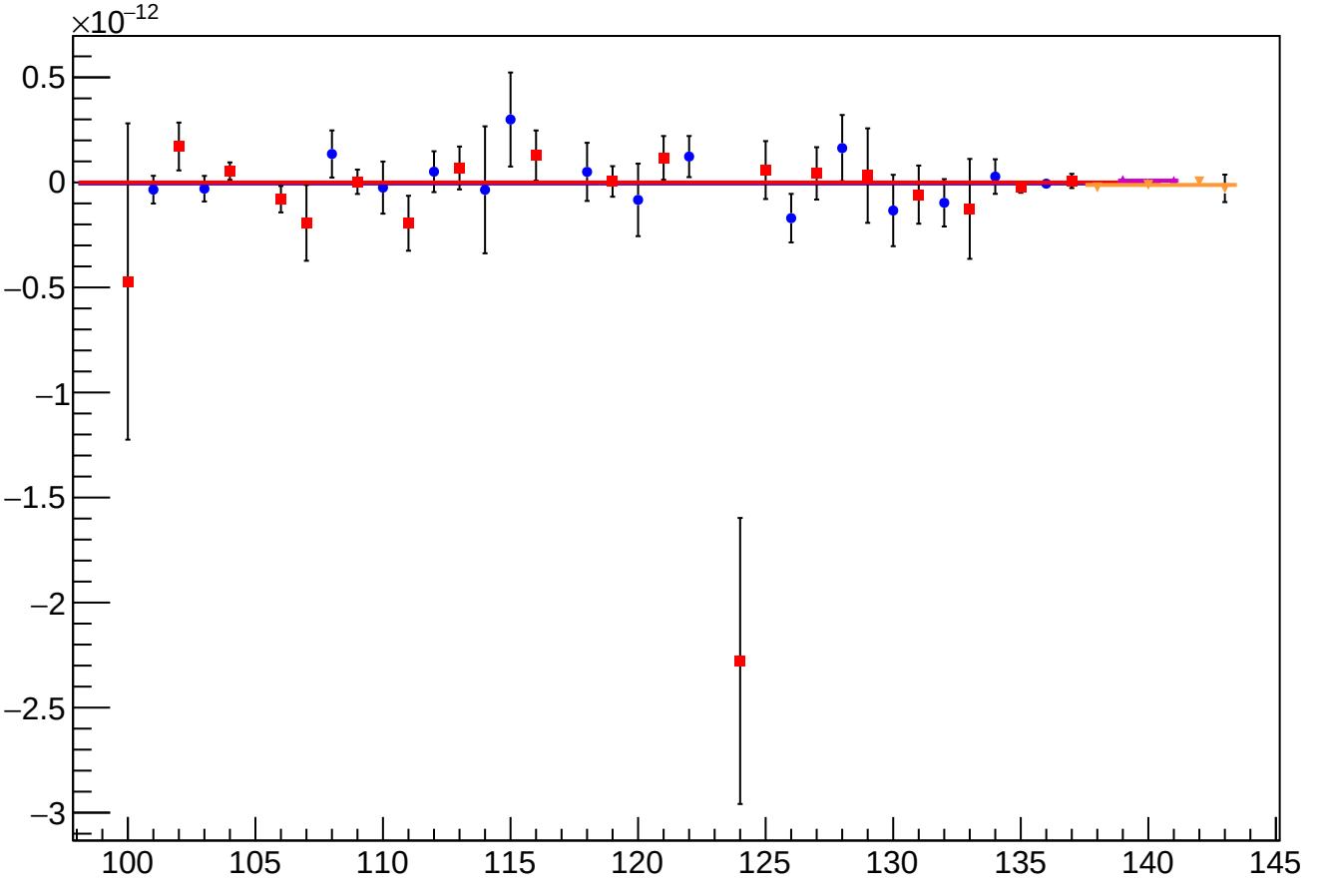
Left: 48.739+/-0.020 χ^2/NDF: 2563907.9/5

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.716+/-0.016 χ^2/NDF:2907026.7/17

Out: 51.566+/-0.015 χ^2/NDF:6208206.7/22

All: 55.230+/-0.011 χ^2/NDF: 9252563.4/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

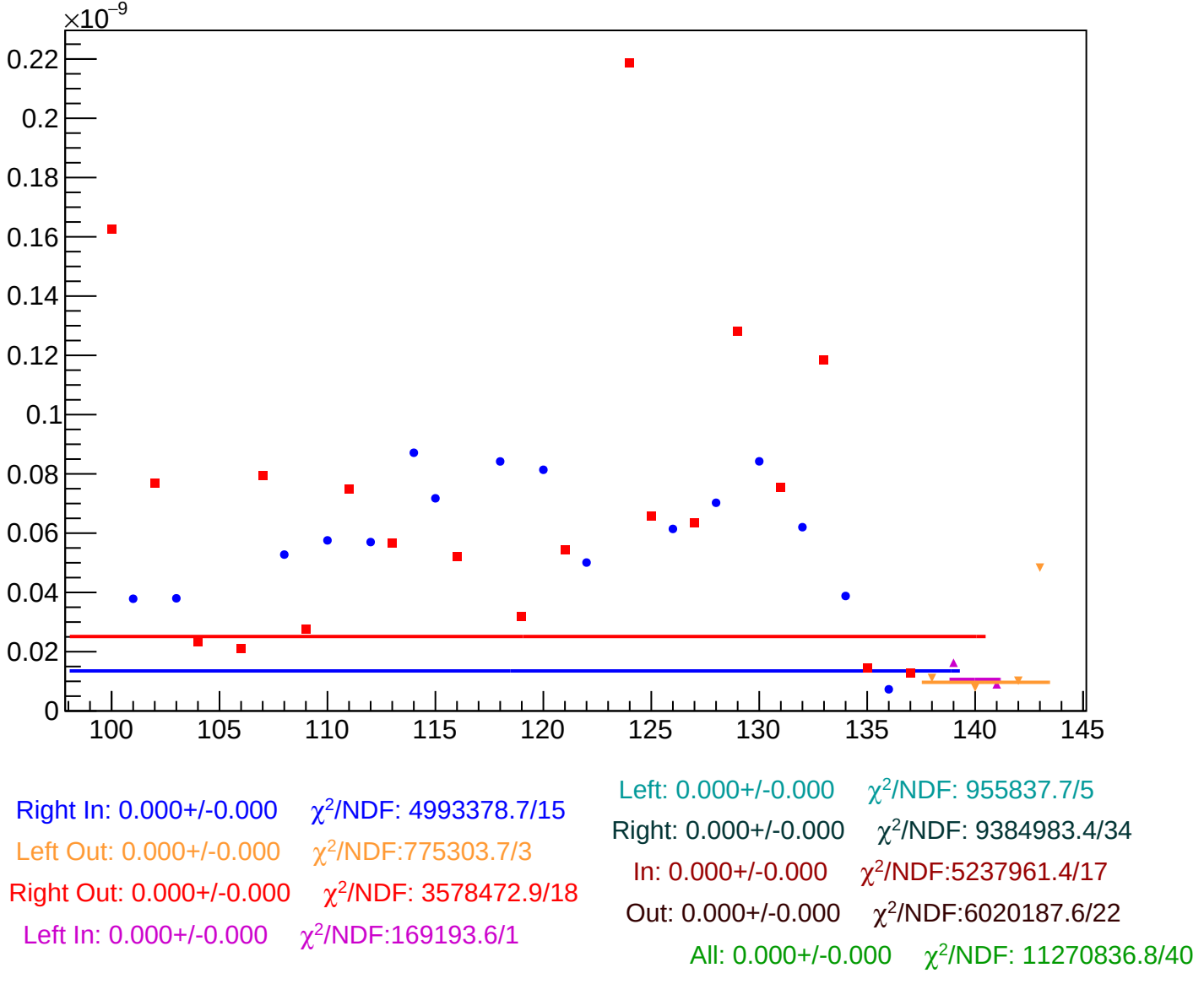
Left: -0.000+/-0.000 χ^2/NDF: 3.8/5

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

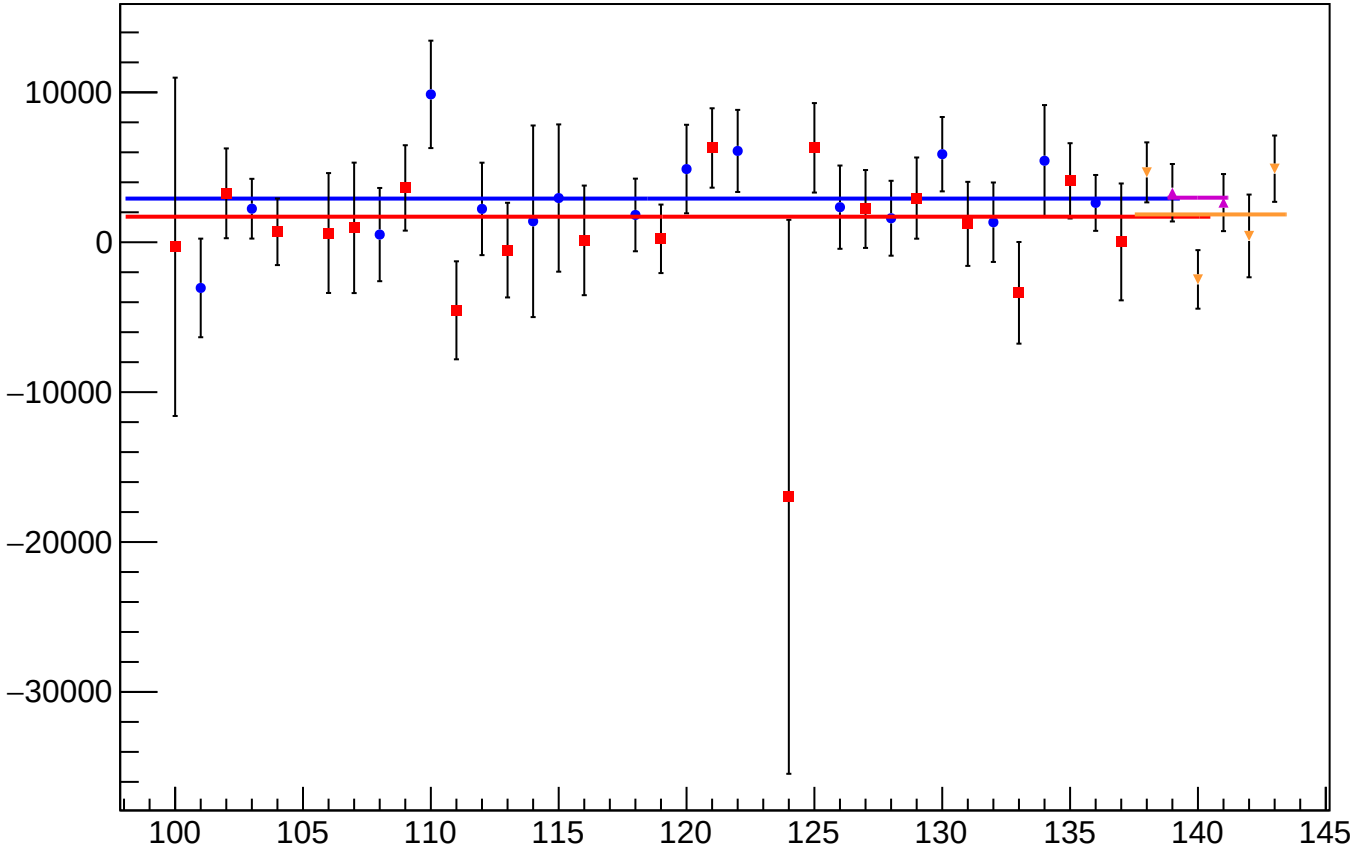
In: 0.000+/-0.000 χ^2/NDF:11.7/17

Out: -0.000+/-0.000 χ^2/NDF:27.0/22

All: -0.000+/-0.000 χ^2/NDF: 39.8/40


asym_at2_dd_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
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:775303.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:169193.6/1
Left: 0.000+/-0.000 χ²/NDF: 955837.7/5
Right: 0.000+/-0.000 χ²/NDF: 9384983.4/34
In: 0.000+/-0.000 χ²/NDF:5237961.4/17
Out: 0.000+/-0.000 χ²/NDF:6020187.6/22
All: 0.000+/-0.000 χ²/NDF: 11270836.8/40

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.513+/-1086.318 χ^2/NDF:9.1/3

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: 2294.152+/-846.557 χ^2/NDF: 9.5/5

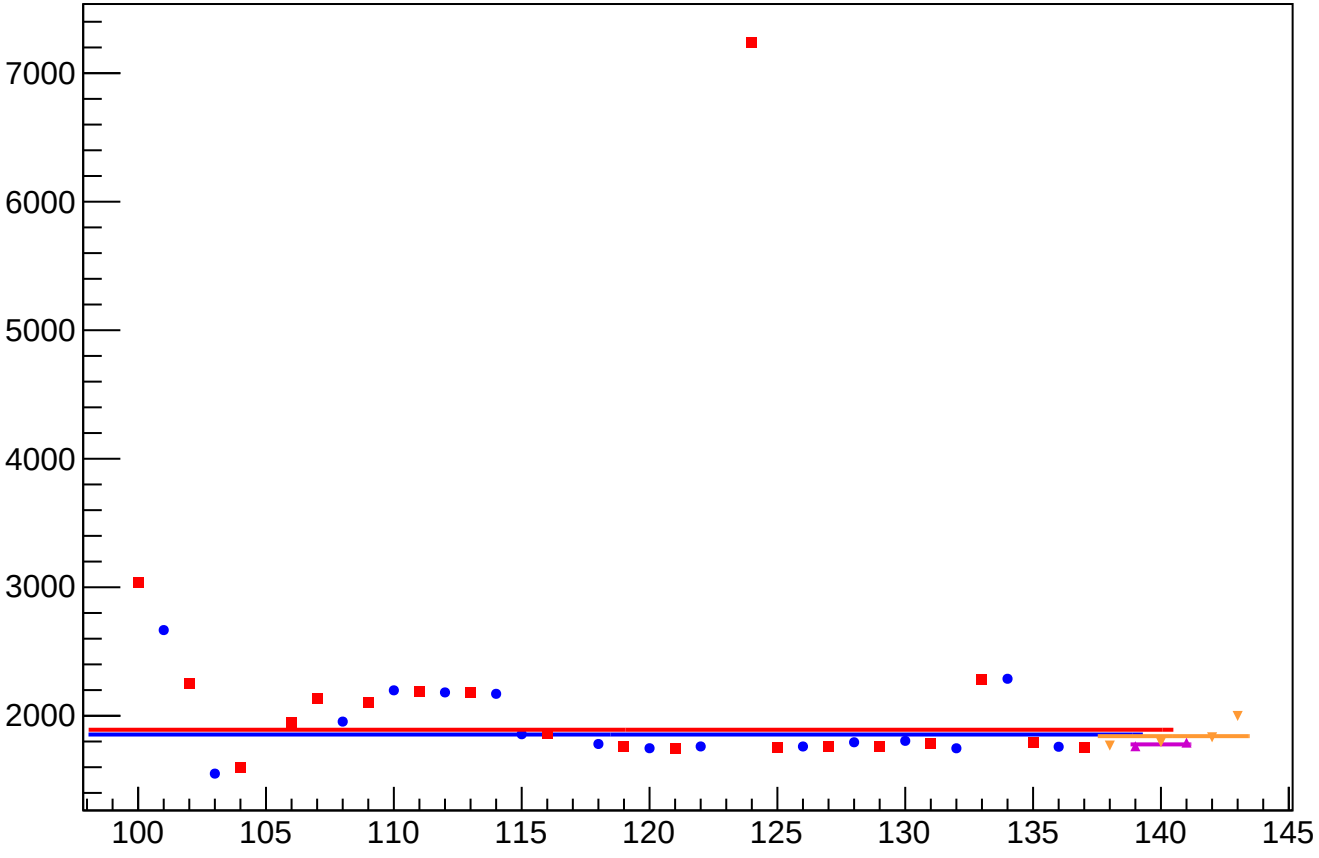
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2925.442+/-618.051 χ^2/NDF:12.5/17

Out: 1749.702+/-592.466 χ^2/NDF:24.9/22

All: 2312.733+/-427.696 χ^2/NDF: 39.3/40

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

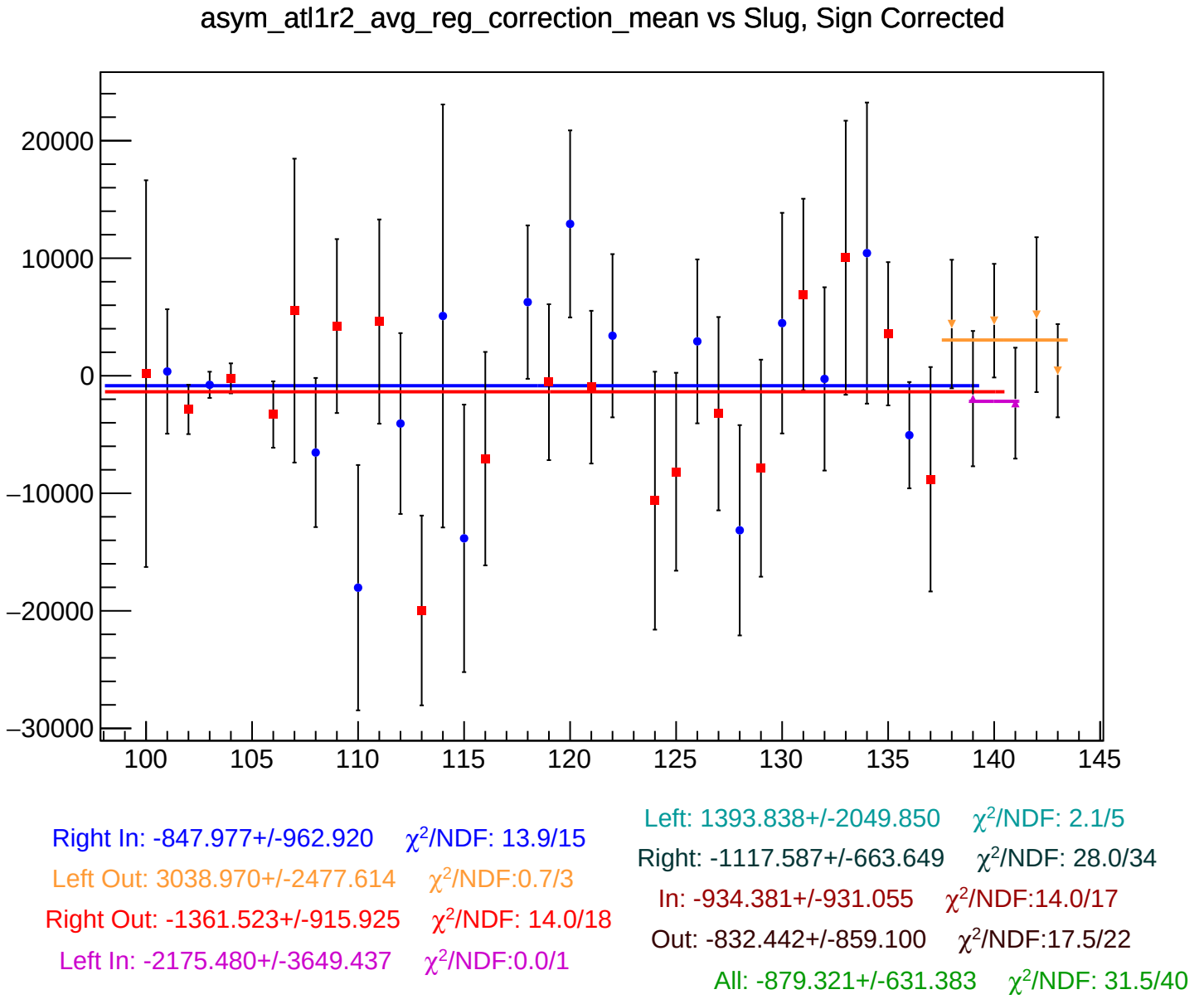
Left: 1816.494+/-0.599 χ^2/NDF: 16932.5/5

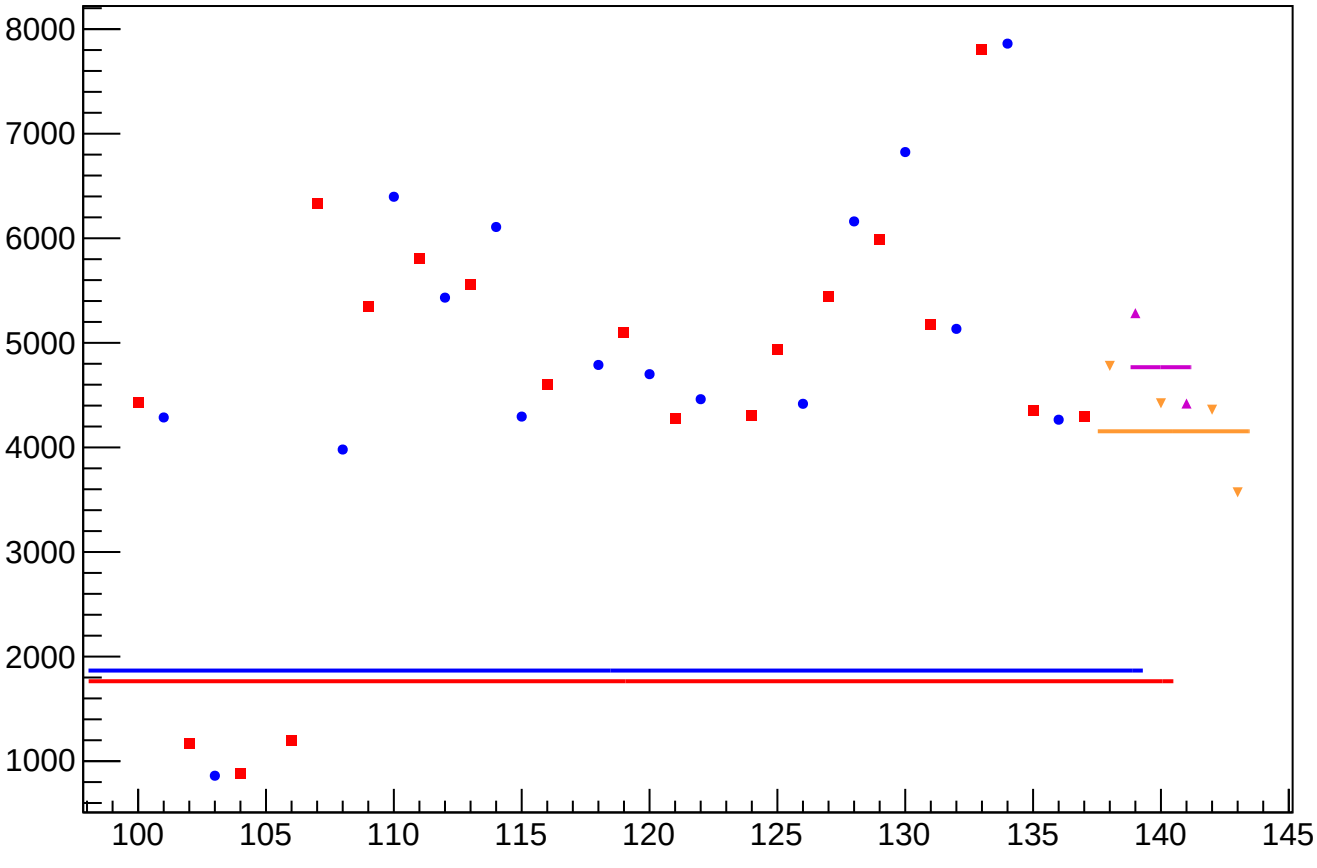
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1838.248+/-0.437 χ^2/NDF:268644.6/17

Out: 1876.704+/-0.418 χ^2/NDF:380987.3/22

All: 1858.320+/-0.302 χ^2/NDF: 653673.4/40


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 3038.970+/-2477.614 χ²/NDF:0.7/3
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: -2175.480+/-3649.437 χ²/NDF:0.0/1
Left: 1393.838+/-2049.850 χ²/NDF: 2.1/5
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -934.381+/-931.055 χ²/NDF:14.0/17
Out: -832.442+/-859.100 χ²/NDF:17.5/22
All: -879.321+/-631.383 χ²/NDF: 31.5/40



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4154.354+/-1.752 χ^2/NDF:77641.9/3

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4767.225+/-2.581 χ^2/NDF:26962.7/1

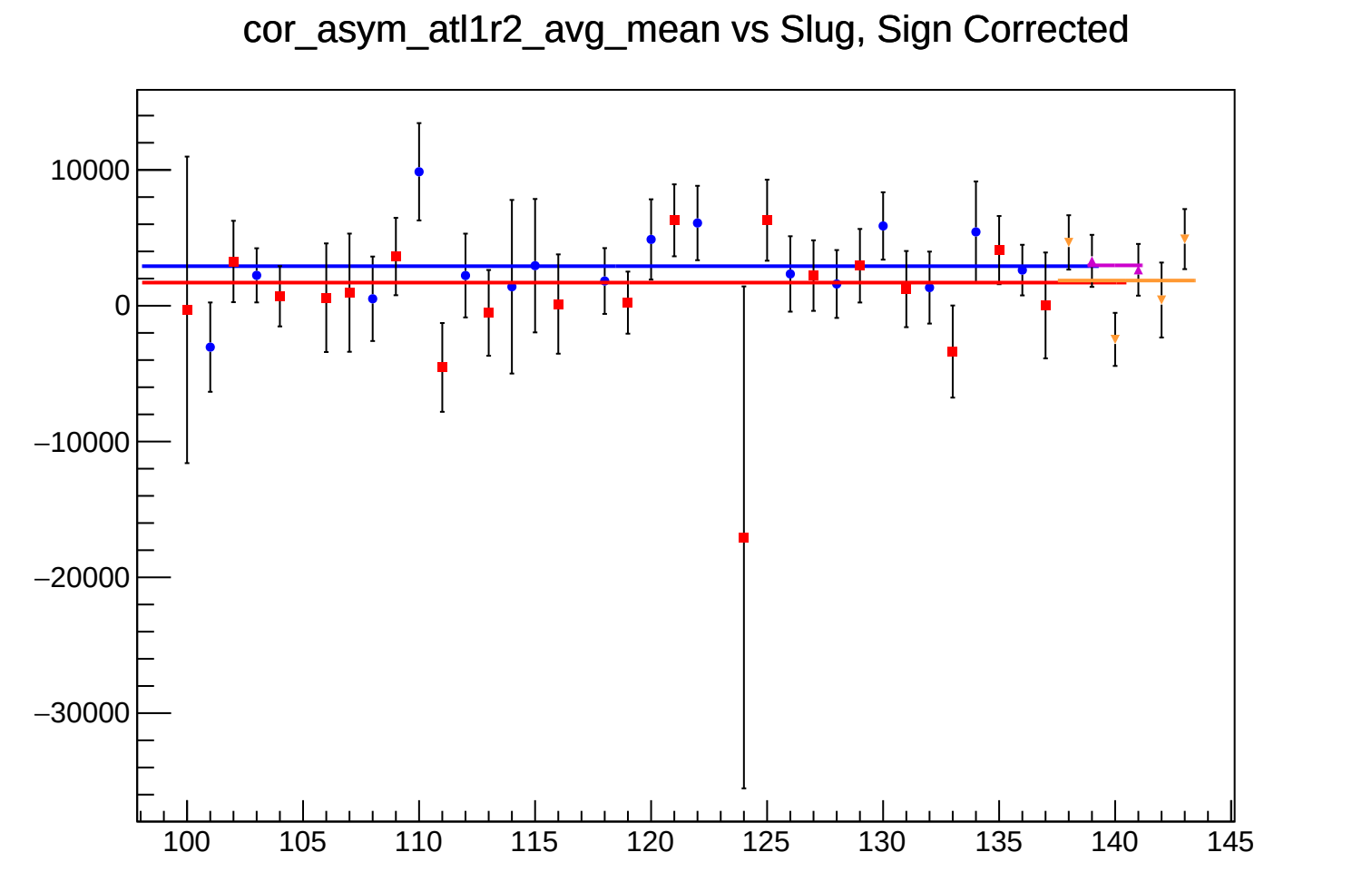
Left: 4347.711+/-1.449 χ^2/NDF: 143214.0/5

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2055.213+/-0.658 χ^2/NDF:8057983.8/17

Out: 2051.645+/-0.607 χ^2/NDF:8149842.0/22

All: 2053.286+/-0.446 χ^2/NDF: 16207841.6/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.438+/-1086.318 χ^2/NDF:9.1/3

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: 2294.258+/-846.557 χ^2/NDF: 9.5/5

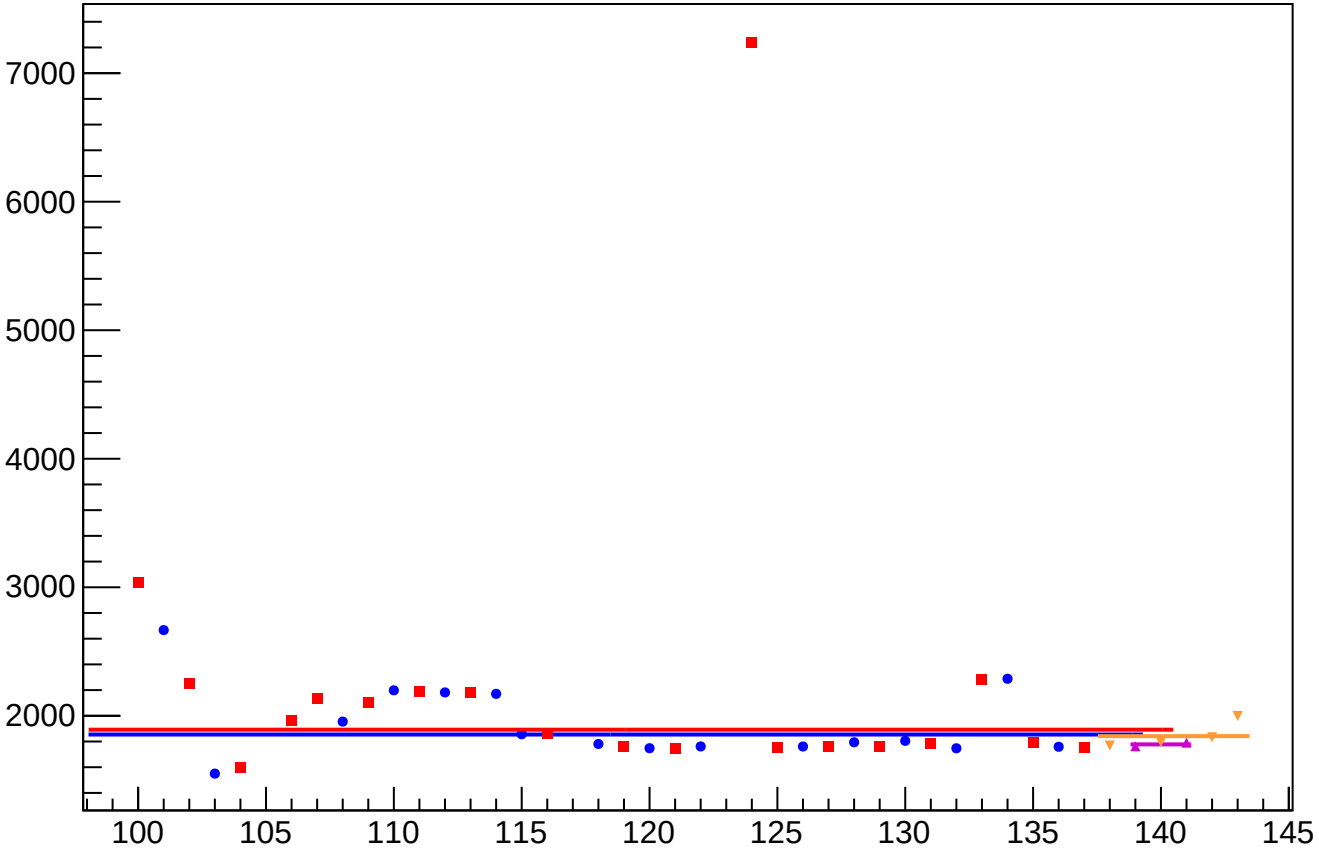
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2925.602+/-618.051 χ^2/NDF:12.5/17

Out: 1748.710+/-592.467 χ^2/NDF:24.9/22

All: 2312.293+/-427.696 χ^2/NDF: 39.3/40

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

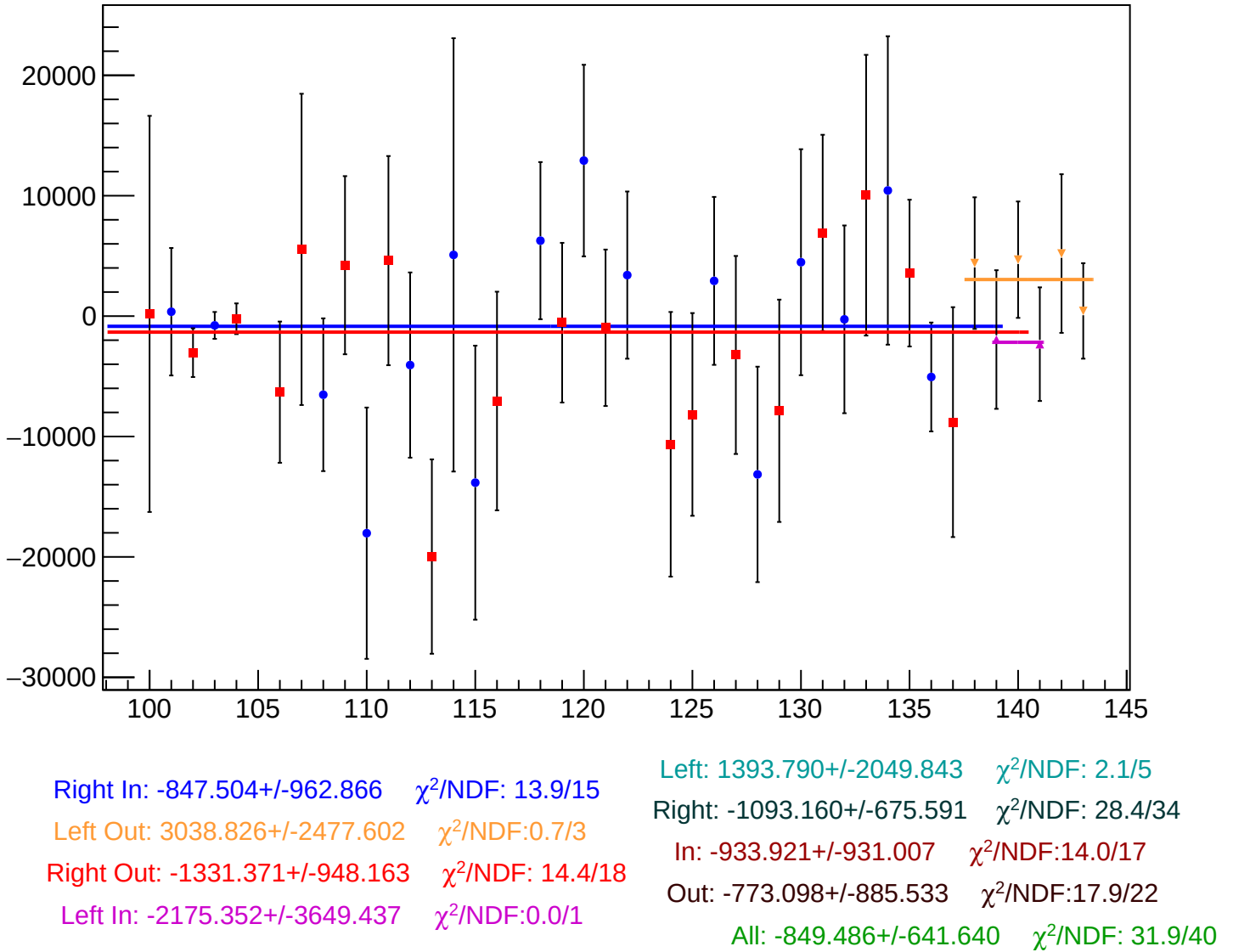
Left: 1816.494+/-0.599 χ^2/NDF: 16932.5/5

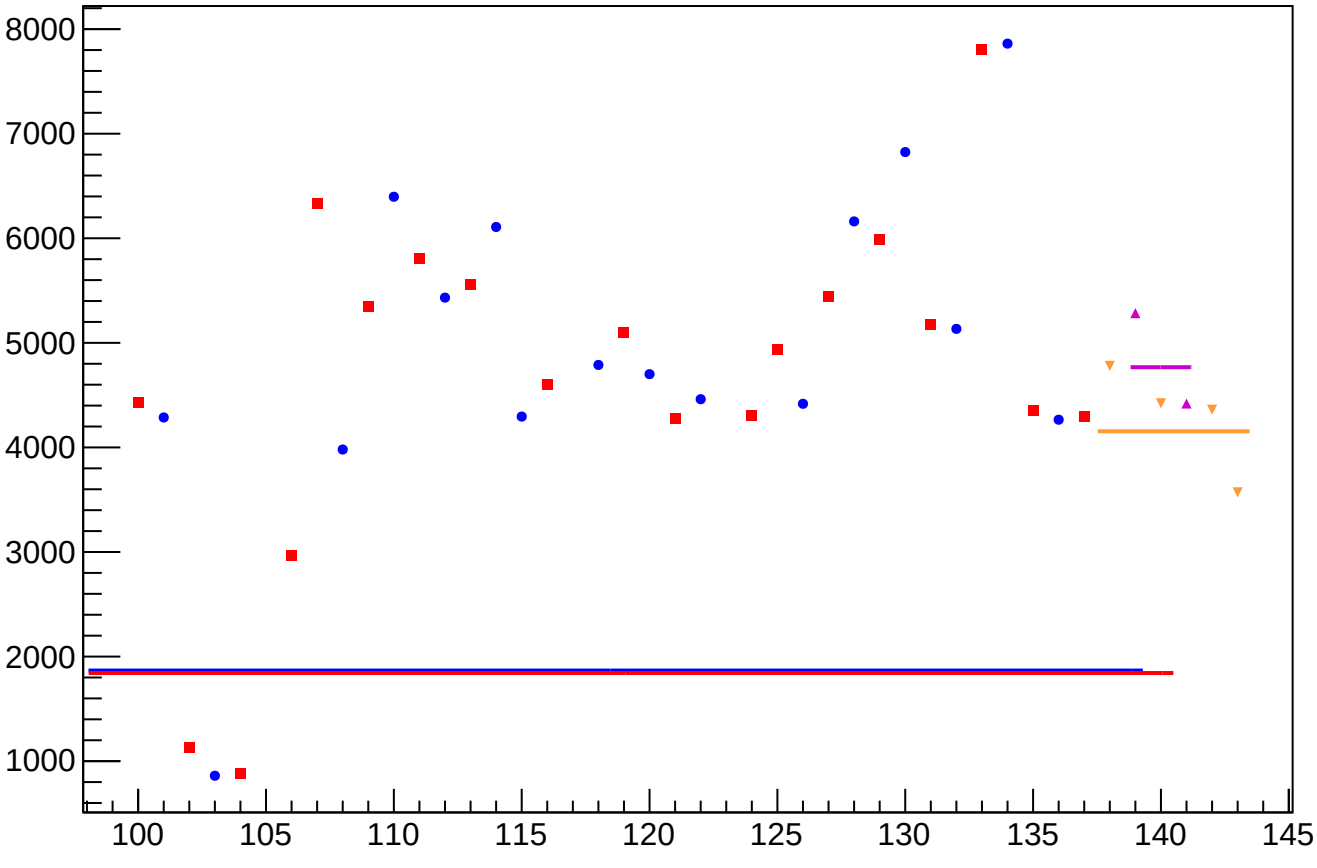
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1838.248+/-0.437 χ^2/NDF:268644.5/17

Out: 1877.022+/-0.418 χ^2/NDF:381283.2/22

All: 1858.483+/-0.302 χ^2/NDF: 654035.5/40


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 3038.826+/-2477.602 χ²/NDF:0.7/3
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: -2175.352+/-3649.437 χ²/NDF:0.0/1
Left: 1393.790+/-2049.843 χ²/NDF: 2.1/5
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -933.921+/-931.007 χ²/NDF:14.0/17
Out: -773.098+/-885.533 χ²/NDF:17.9/22
All: -849.486+/-641.640 χ²/NDF: 31.9/40



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4154.332+/-1.752 χ^2/NDF:77645.9/3

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4767.225+/-2.581 χ^2/NDF:26963.2/1

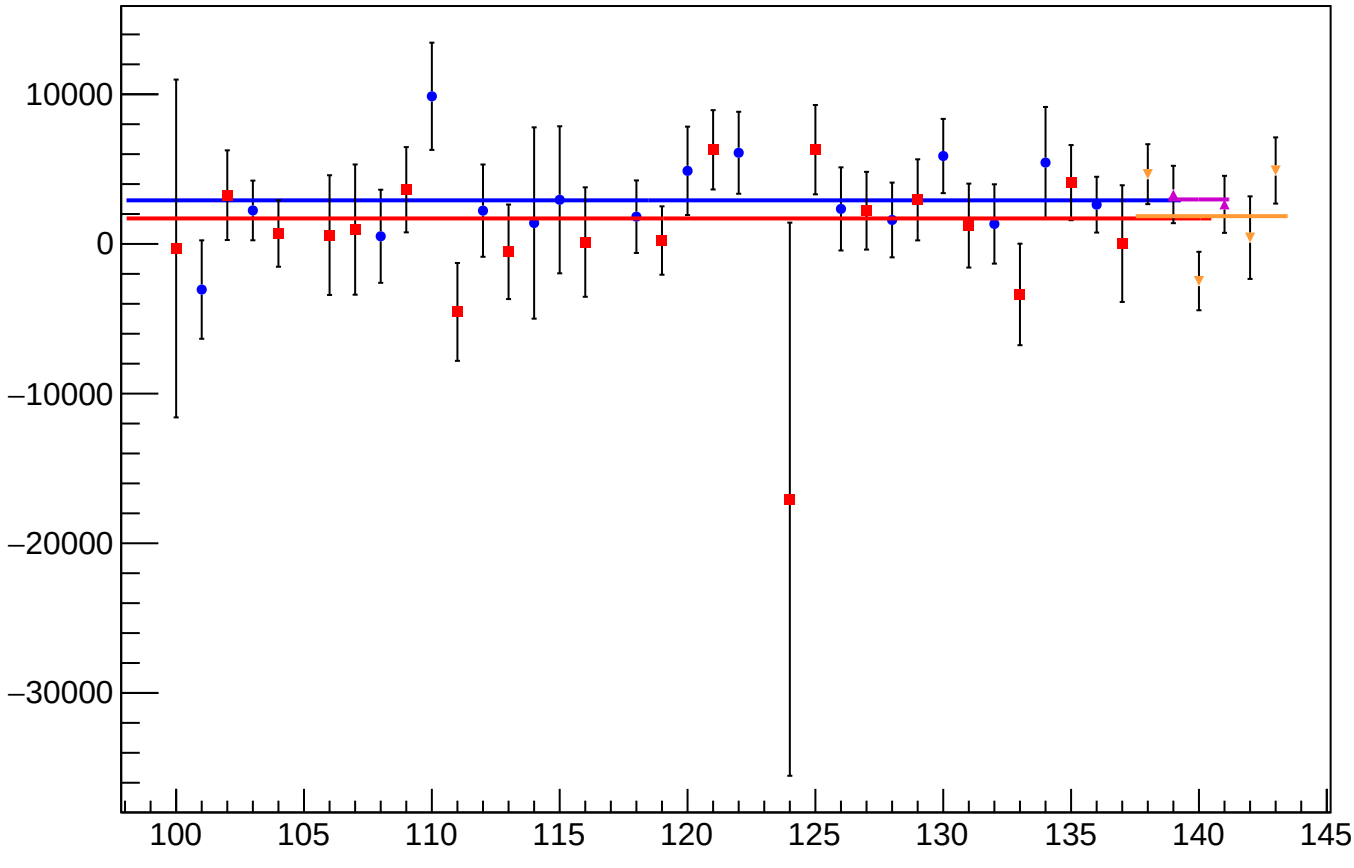
Left: 4347.695+/-1.449 χ^2/NDF: 143221.4/5

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2055.050+/-0.658 χ^2/NDF:8058540.7/17

Out: 2138.160+/-0.626 χ^2/NDF:8054476.9/22

All: 2098.684+/-0.454 χ^2/NDF: 16121385.3/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1855.438+/-1086.318 χ^2/NDF:9.1/3

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2972.863+/-1350.895 χ^2/NDF:0.1/1

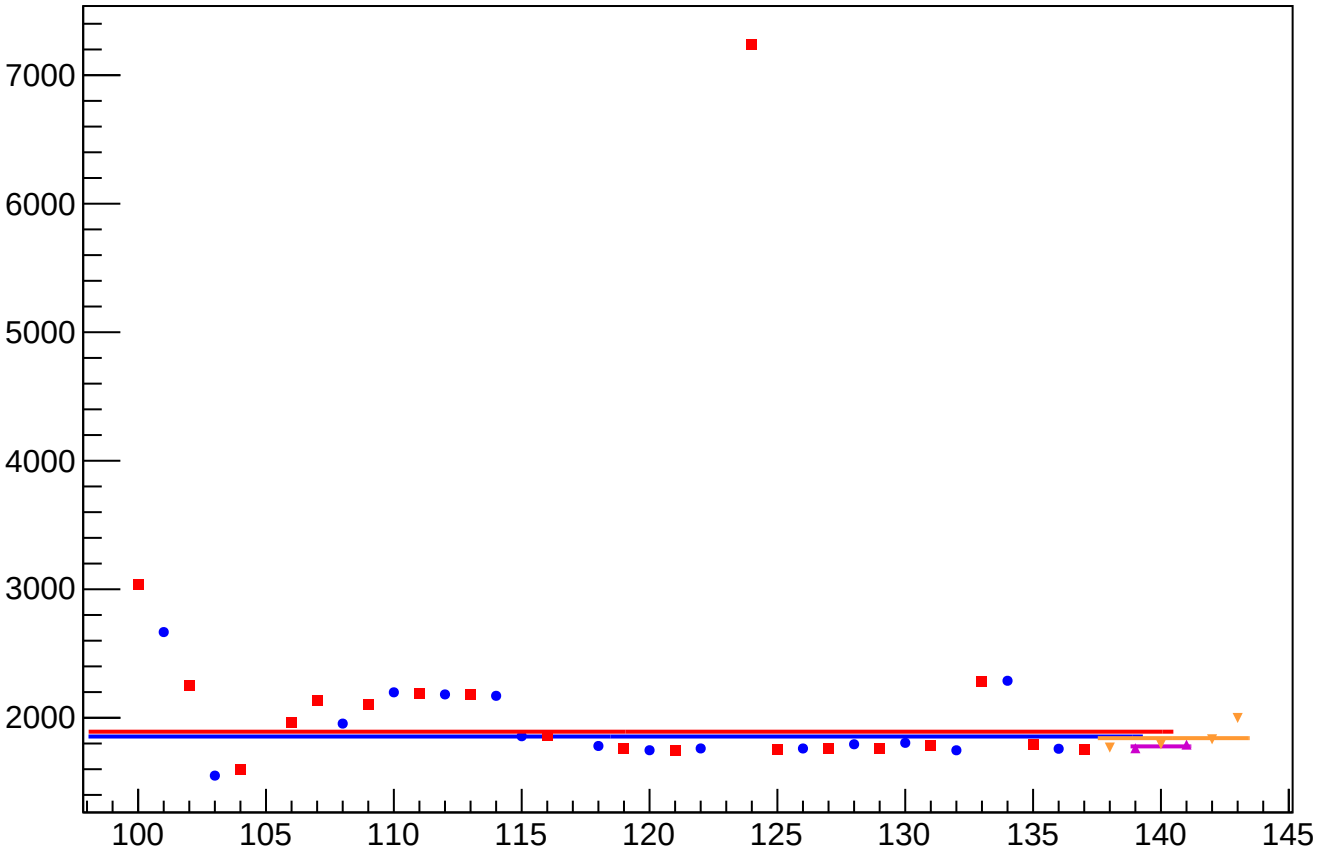
Left: 2294.258+/-846.557 χ^2/NDF: 9.5/5

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2925.602+/-618.051 χ^2/NDF:12.5/17

Out: 1748.710+/-592.467 χ^2/NDF:24.9/22

All: 2312.293+/-427.696 χ^2/NDF: 39.3/40



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1841.670+/-0.768 χ^2/NDF:13979.8/3

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1777.562+/-0.955 χ^2/NDF:217.4/1

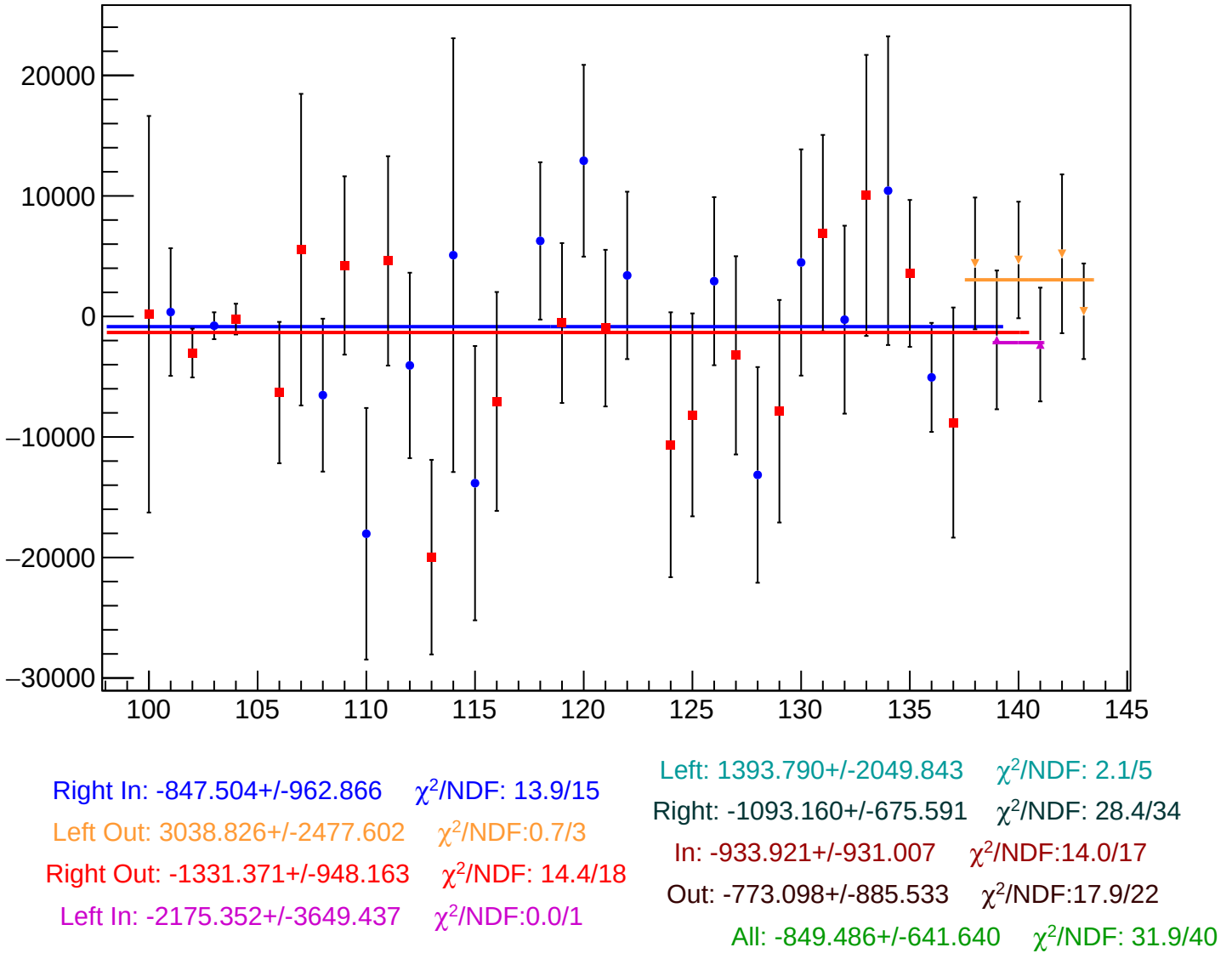
Left: 1816.494+/-0.599 χ^2/NDF: 16932.5/5

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

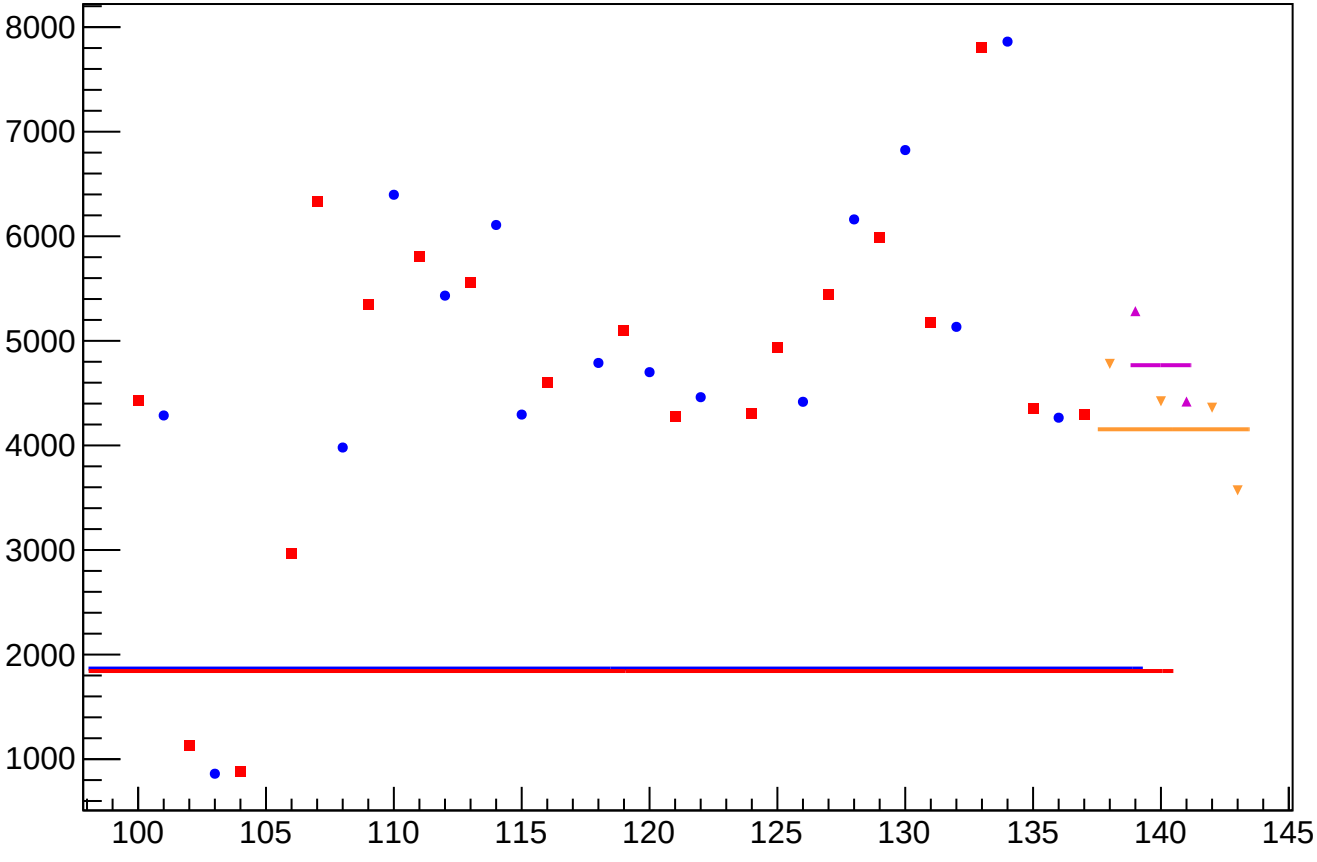
In: 1838.248+/-0.437 χ^2/NDF:268644.5/17

Out: 1877.022+/-0.418 χ^2/NDF:381283.2/22

All: 1858.483+/-0.302 χ^2/NDF: 654035.5/40


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
145
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 3038.826+/-2477.602 χ²/NDF:0.7/3
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: -2175.352+/-3649.437 χ²/NDF:0.0/1
Left: 1393.790+/-2049.843 χ²/NDF: 2.1/5
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -933.921+/-931.007 χ²/NDF:14.0/17
Out: -773.098+/-885.533 χ²/NDF:17.9/22
All: -849.486+/-641.640 χ²/NDF: 31.9/40

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4154.332+/-1.752 χ^2/NDF:77645.9/3

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: 4347.695+/-1.449 χ^2/NDF: 143221.4/5

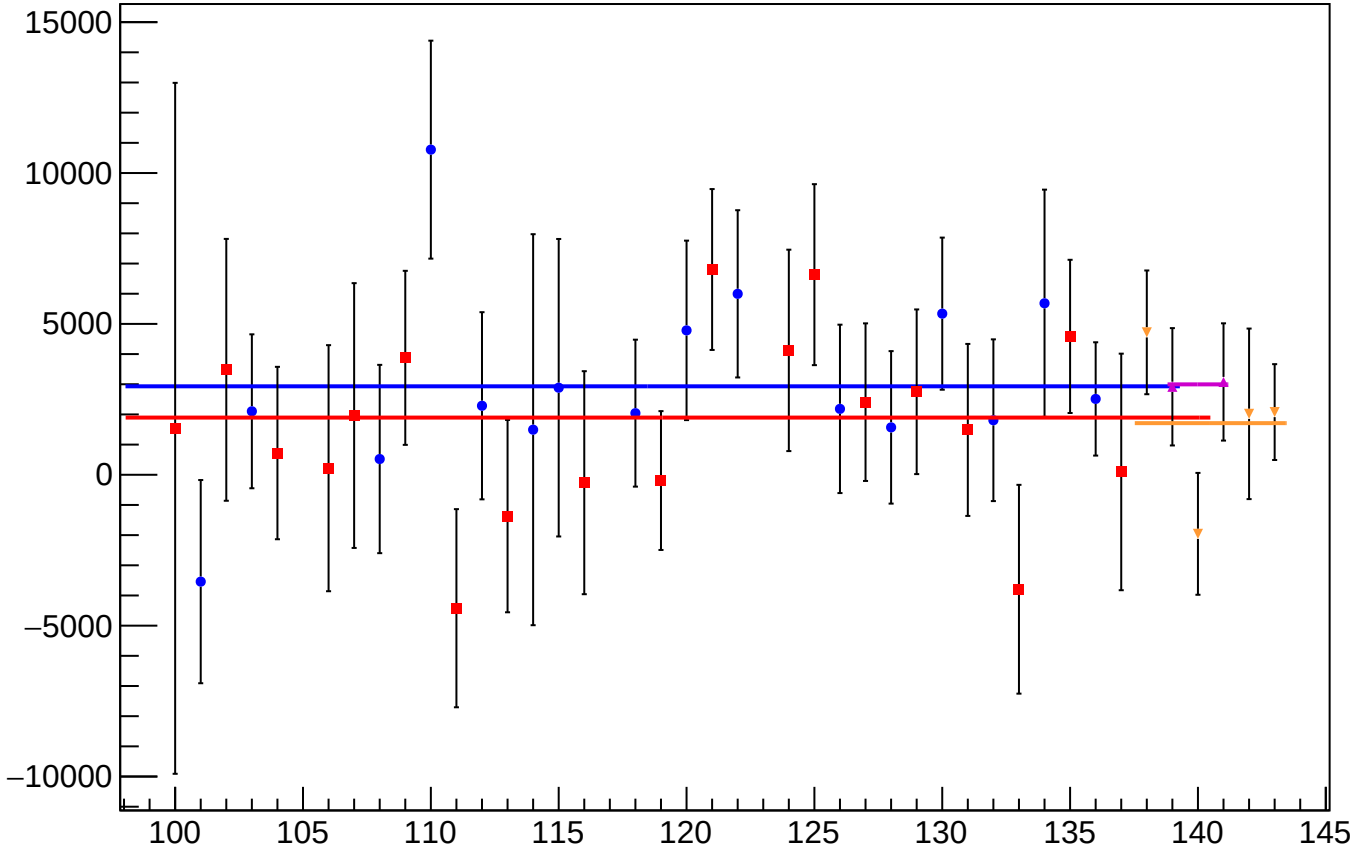
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2055.050+/-0.658 χ^2/NDF:8058540.7/17

Out: 2138.160+/-0.626 χ^2/NDF:8054476.9/22

All: 2098.684+/-0.454 χ^2/NDF: 16121385.3/4

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1711.331+/-997.538 χ^2/NDF:5.5/3

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: 2154.666+/-807.296 χ^2/NDF: 6.1/5

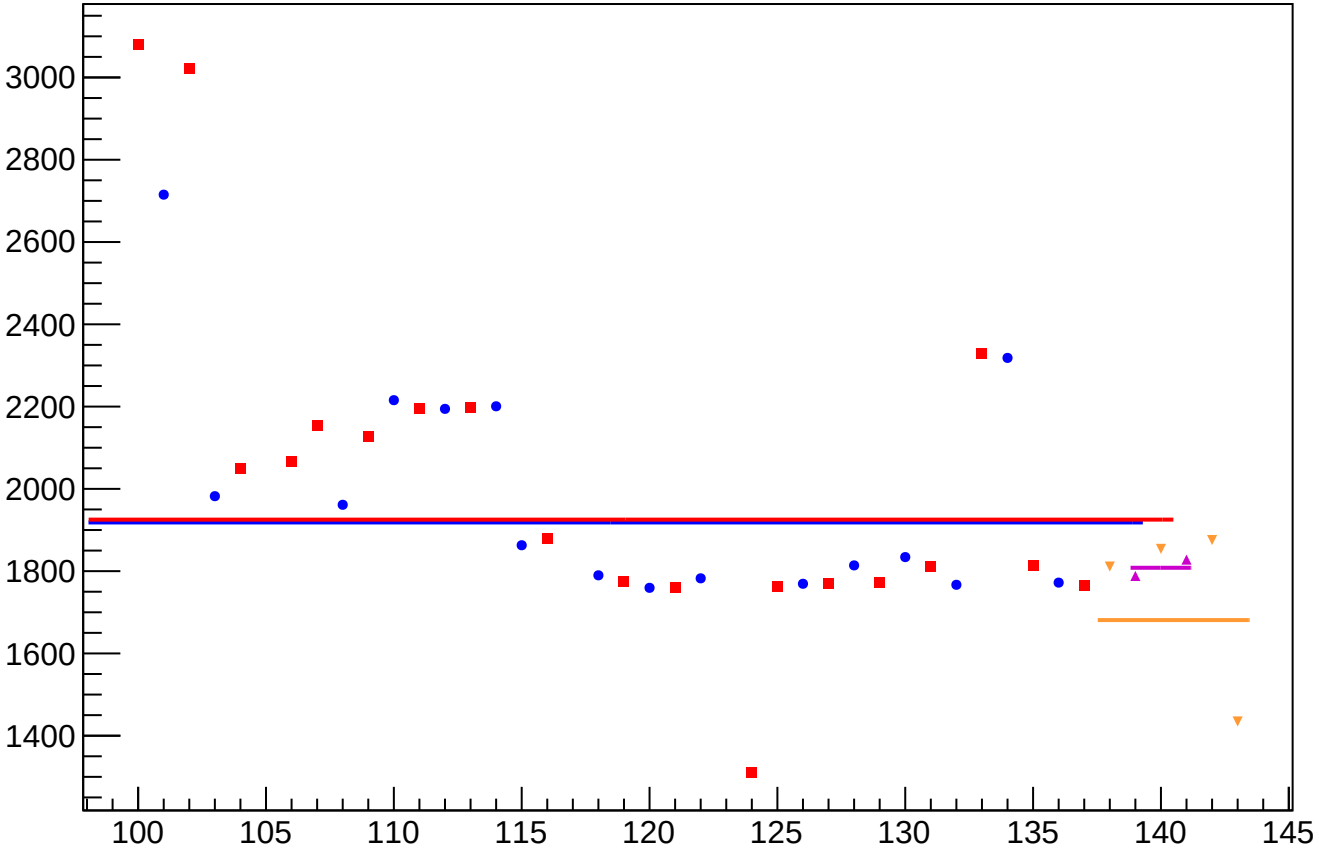
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2945.524+/-636.598 χ^2/NDF:13.0/17

Out: 1832.195+/-584.852 χ^2/NDF:22.9/22

All: 2341.779+/-430.687 χ^2/NDF: 37.6/40

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1681.080+/-0.705 χ^2/NDF:80410.2/3

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1808.215+/-0.972 χ^2/NDF:416.3/1

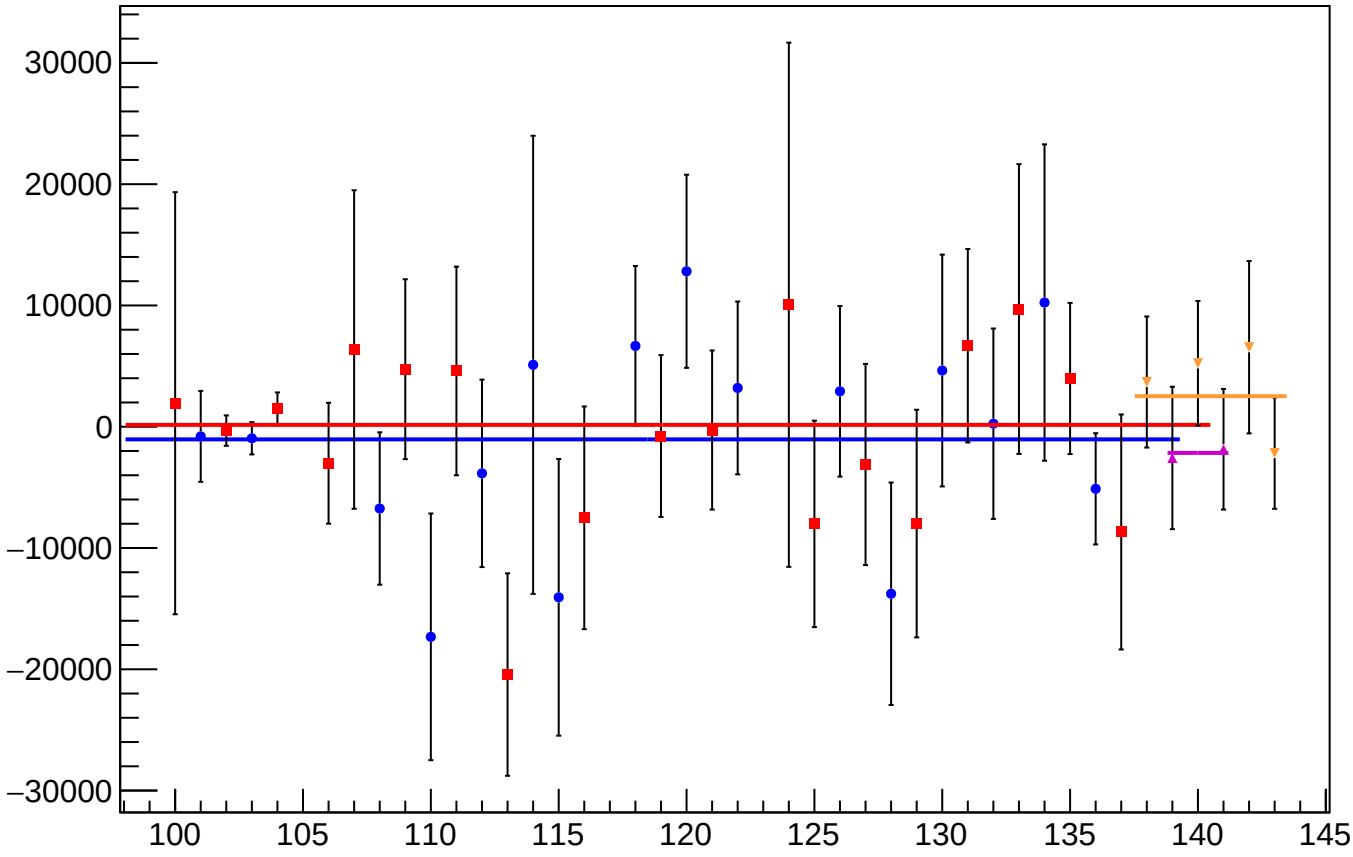
Left: 1724.948+/-0.571 χ^2/NDF: 92036.2/5

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1894.733+/-0.450 χ^2/NDF:226100.3/17

Out: 1841.415+/-0.413 χ^2/NDF:498194.1/22

All: 1865.805+/-0.304 χ^2/NDF: 731906.3/40



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2518.460+/-2678.334 χ^2/NDF:1.7/3

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: -2157.871+/-3795.312 χ^2/NDF:0.0/1

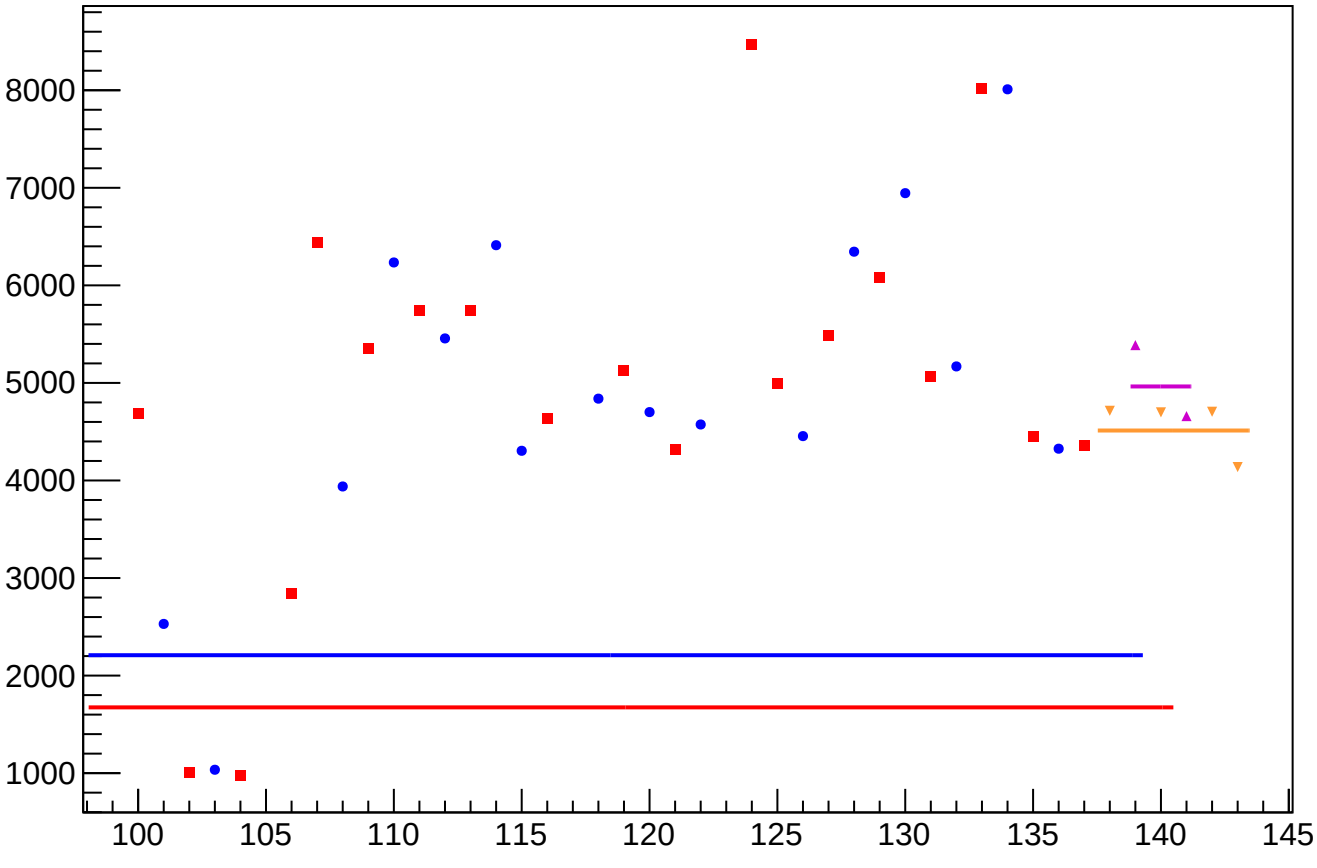
Left: 963.833+/-2188.305 χ^2/NDF: 2.7/5

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -1124.419+/-1031.999 χ^2/NDF:13.9/17

Out: 363.409+/-797.729 χ^2/NDF:16.1/22

All: -193.082+/-631.149 χ^2/NDF: 31.4/40



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4512.126+/-1.894 χ^2/NDF:20213.5/3

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4963.769+/-2.684 χ^2/NDF:17880.6/1

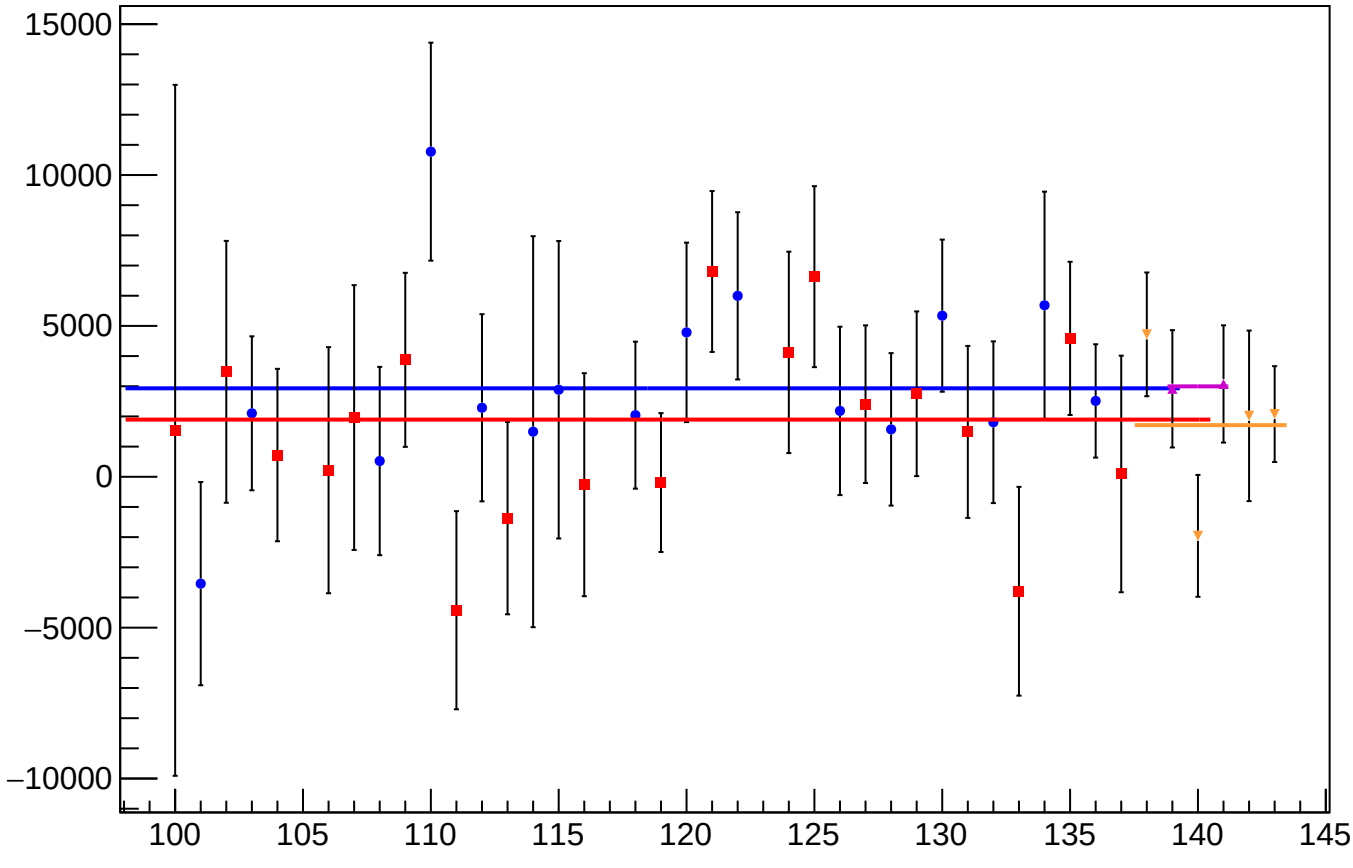
Left: 4662.273+/-1.547 χ^2/NDF: 57000.6/5

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2412.599+/-0.730 χ^2/NDF:6492720.8/17

Out: 1925.923+/-0.564 χ^2/NDF:8919730.5/22

All: 2107.954+/-0.446 χ^2/NDF: 15690874.5/4



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1711.328+/-997.539 χ^2/NDF:5.5/3

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2996.144+/-1374.327 χ^2/NDF:0.0/1

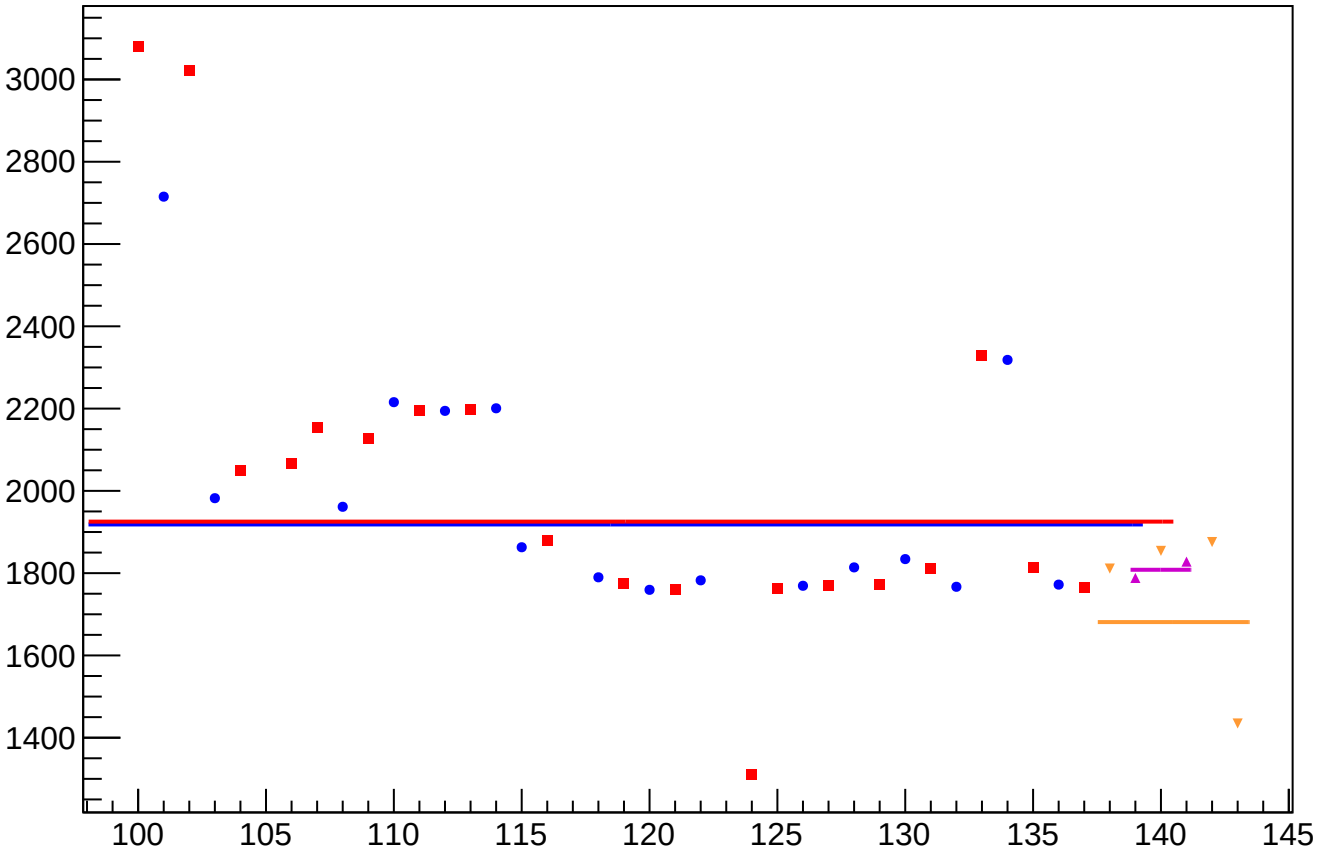
Left: 2154.657+/-807.296 χ^2/NDF: 6.1/5

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2945.521+/-636.598 χ^2/NDF:13.0/17

Out: 1832.197+/-584.852 χ^2/NDF:22.9/22

All: 2341.779+/-430.687 χ^2/NDF: 37.6/40



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1681.081+/-0.705 χ^2/NDF:80409.4/3

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1808.216+/-0.972 χ^2/NDF:416.3/1

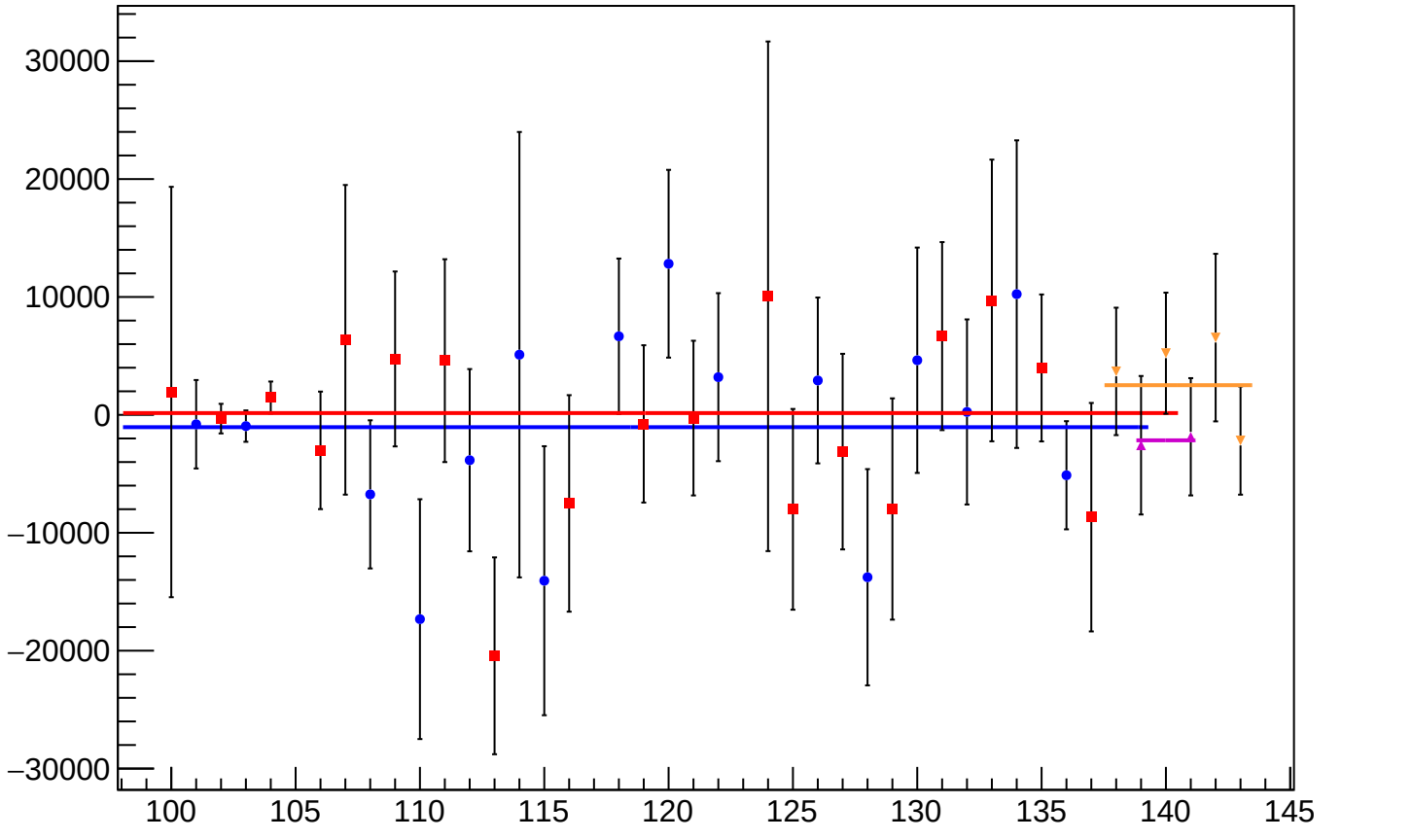
Left: 1724.949+/-0.571 χ^2/NDF: 92035.1/5

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1894.733+/-0.450 χ^2/NDF:226100.2/17

Out: 1841.415+/-0.413 χ^2/NDF:498190.8/22

All: 1865.805+/-0.304 χ^2/NDF: 731902.8/40



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2518.466+/-2678.337 χ^2/NDF:1.7/3

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: -2157.892+/-3795.315 χ^2/NDF:0.0/1

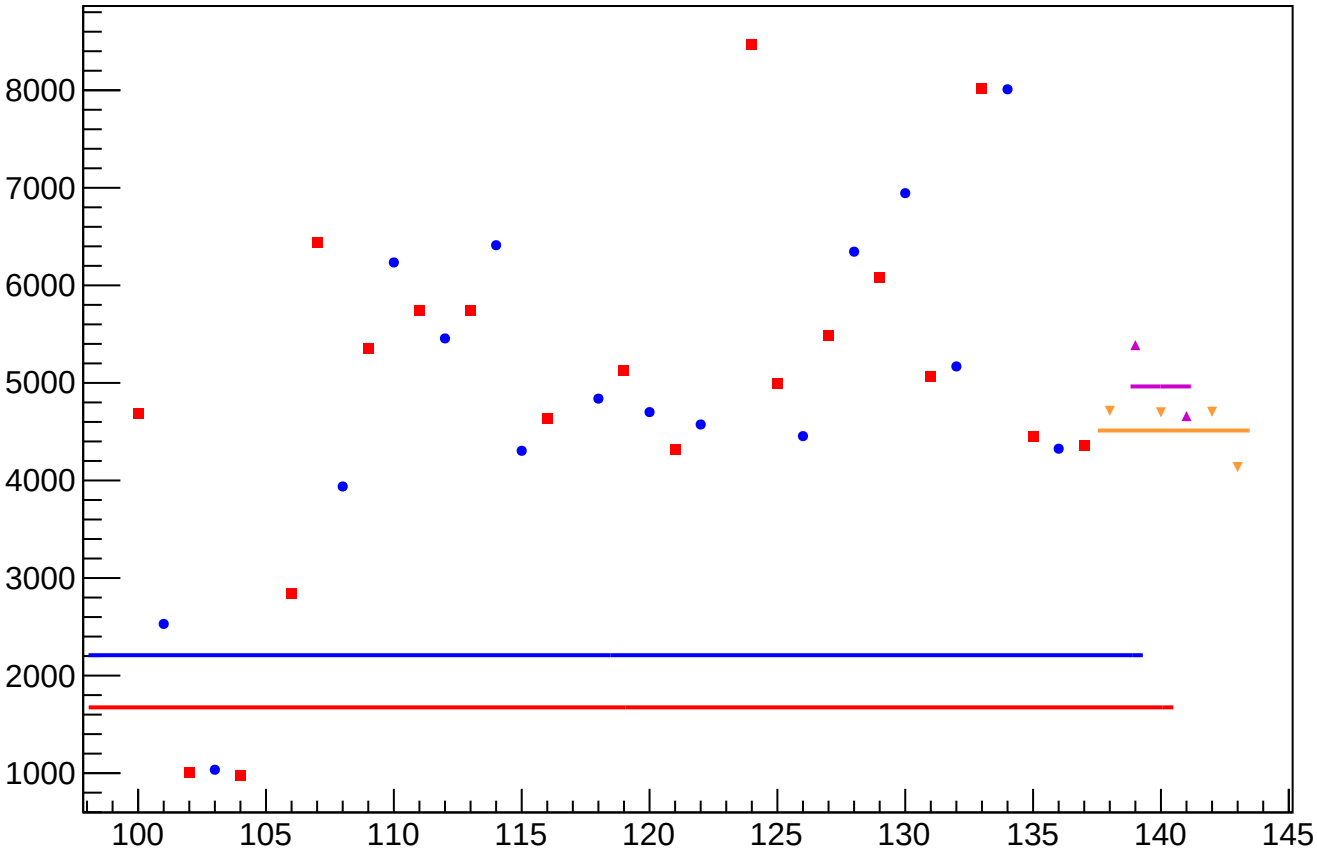
Left: 963.829+/-2188.308 χ^2/NDF: 2.7/5

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -1124.418+/-1031.999 χ^2/NDF:13.9/17

Out: 363.403+/-797.728 χ^2/NDF:16.1/22

All: -193.085+/-631.149 χ^2/NDF: 31.4/40



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4512.132+/-1.894 χ^2/NDF:20212.9/3

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: 4662.278+/-1.547 χ^2/NDF: 57000.4/5

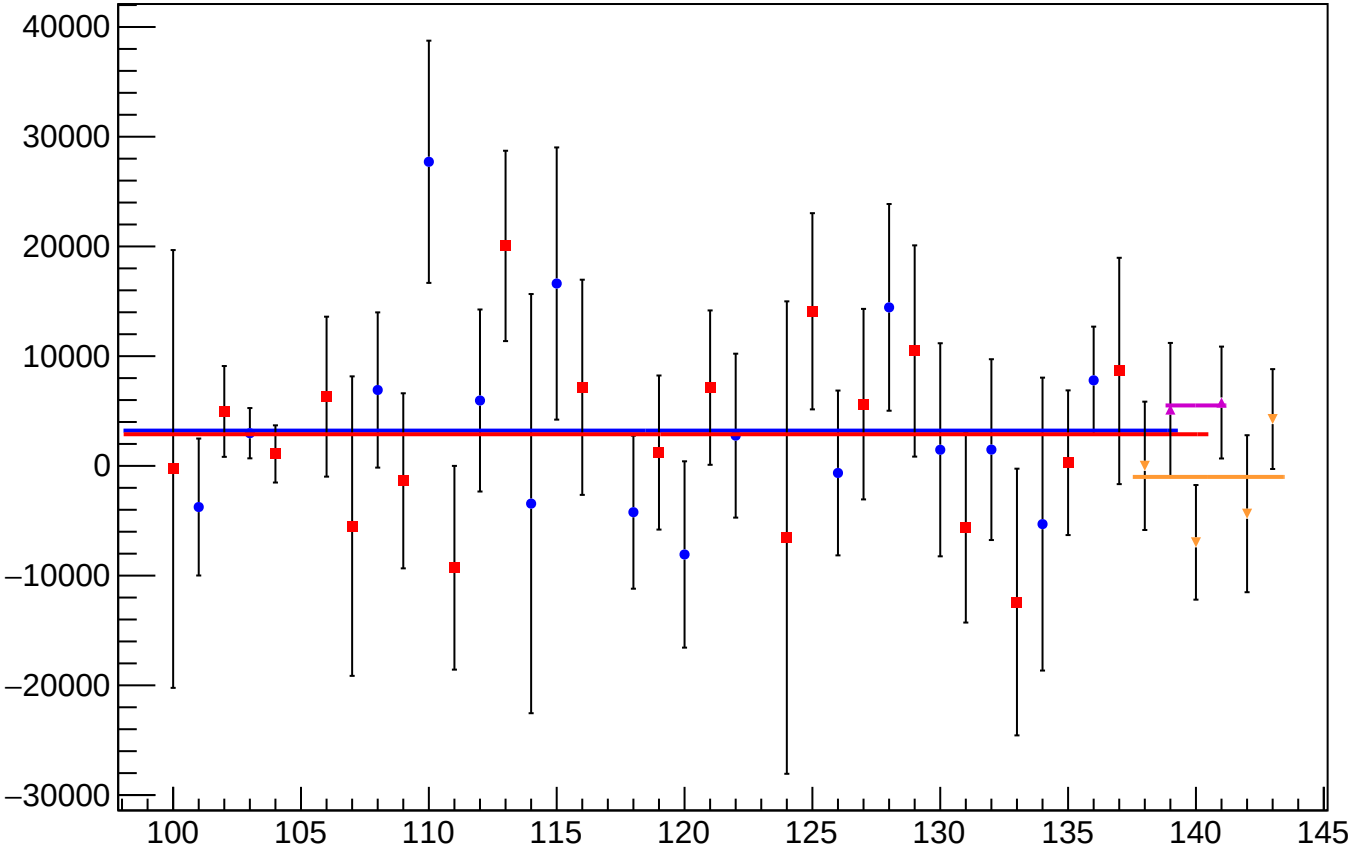
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2412.598+/-0.730 χ^2/NDF:6492716.0/17

Out: 1925.922+/-0.564 χ^2/NDF:8919726.2/22

All: 2107.953+/-0.446 χ^2/NDF: 15690865.2/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1004.520+/-2734.795 χ^2/NDF:2.9/3

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: 1138.978+/-2240.032 χ^2/NDF: 4.8/5

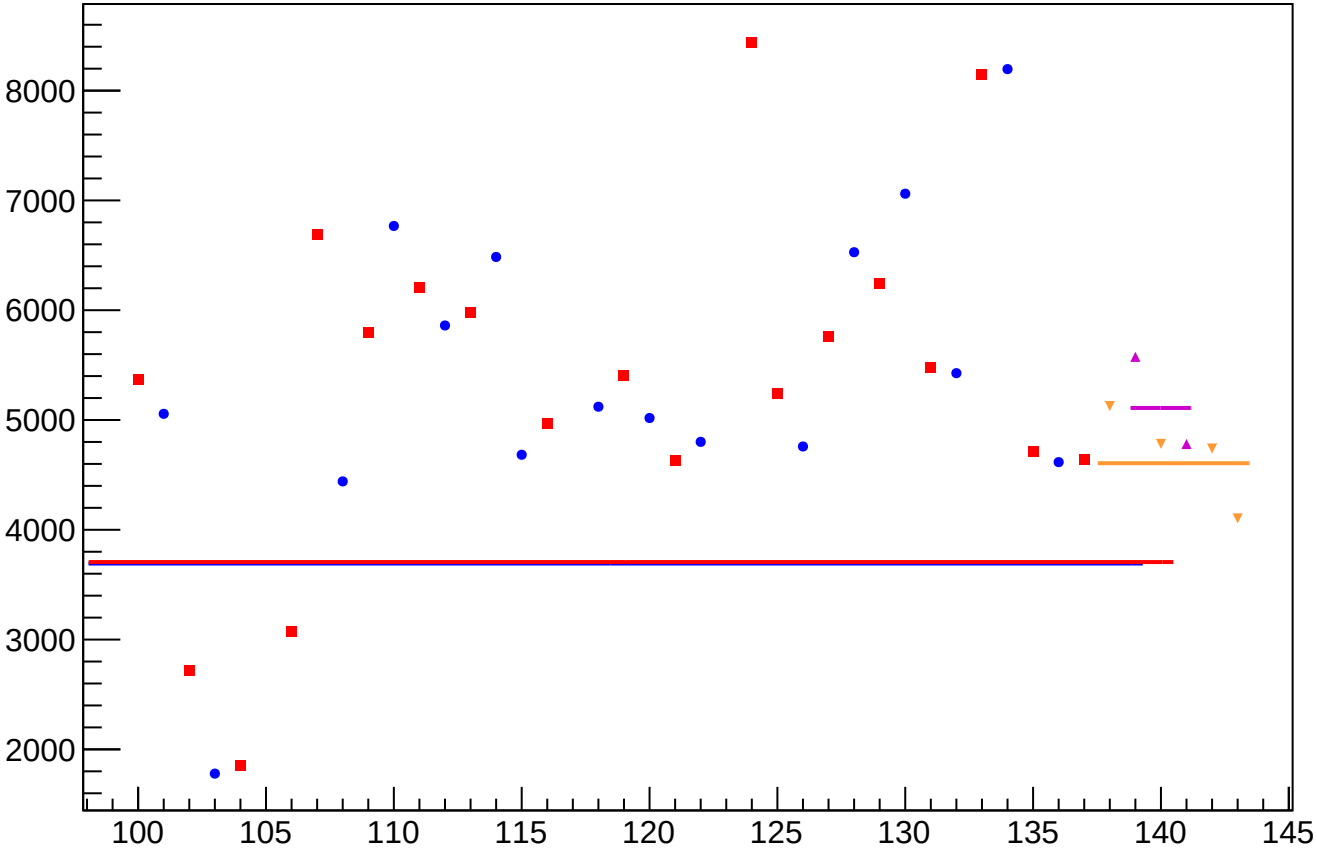
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3524.099+/-1432.013 χ^2/NDF:14.1/17

Out: 1936.187+/-1349.870 χ^2/NDF:17.8/22

All: 2683.296+/-982.258 χ^2/NDF: 32.6/40

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4606.485+/-1.934 χ^2/NDF:43214.6/3

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5109.757+/-2.761 χ^2/NDF:20051.1/1

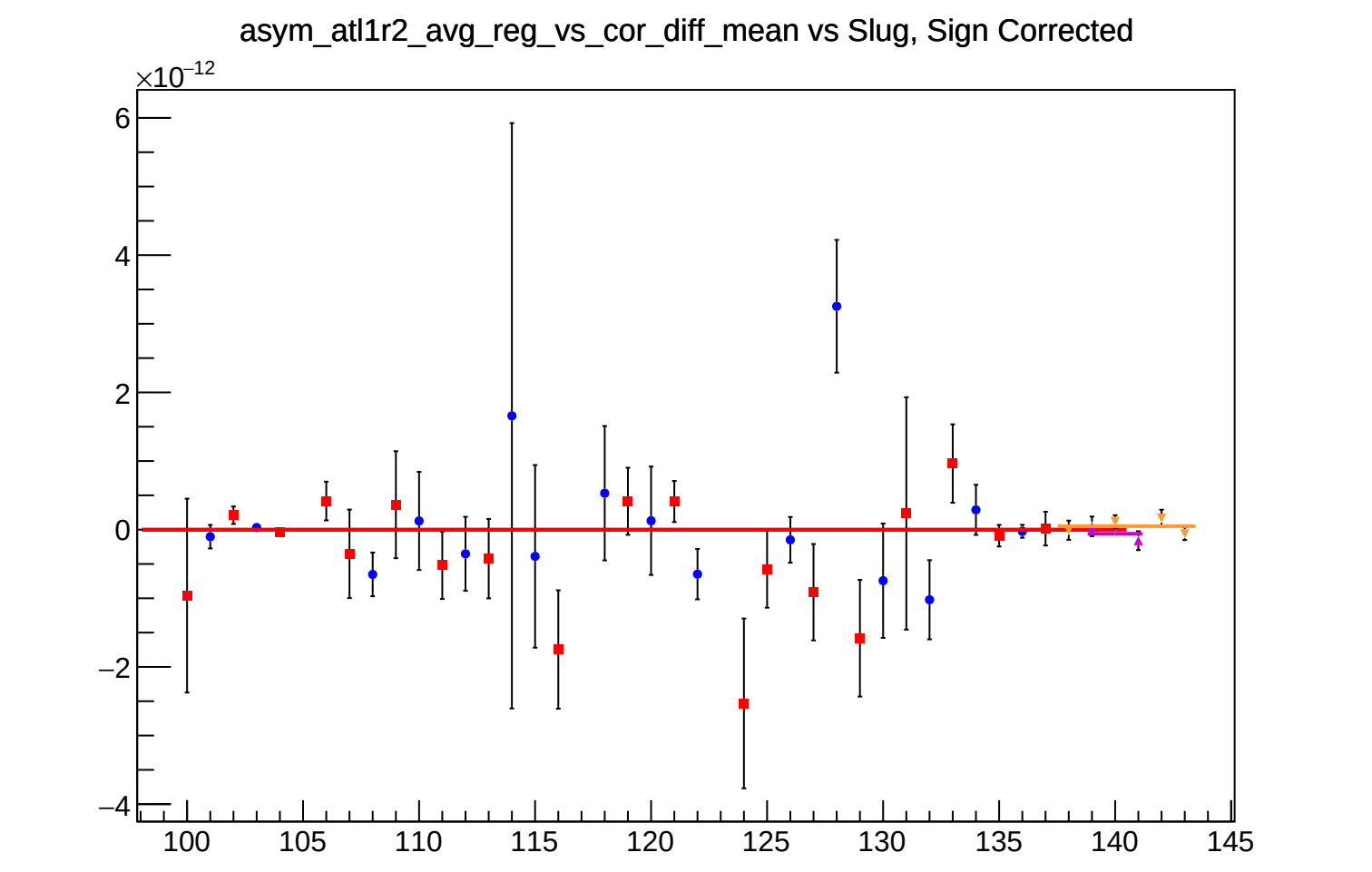
Left: 4772.111+/-1.584 χ^2/NDF: 85555.8/5

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 3883.389+/-1.013 χ^2/NDF:3133648.7/17

Out: 3922.136+/-0.947 χ^2/NDF:2892518.9/22

All: 3904.052+/-0.692 χ^2/NDF: 6026948.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

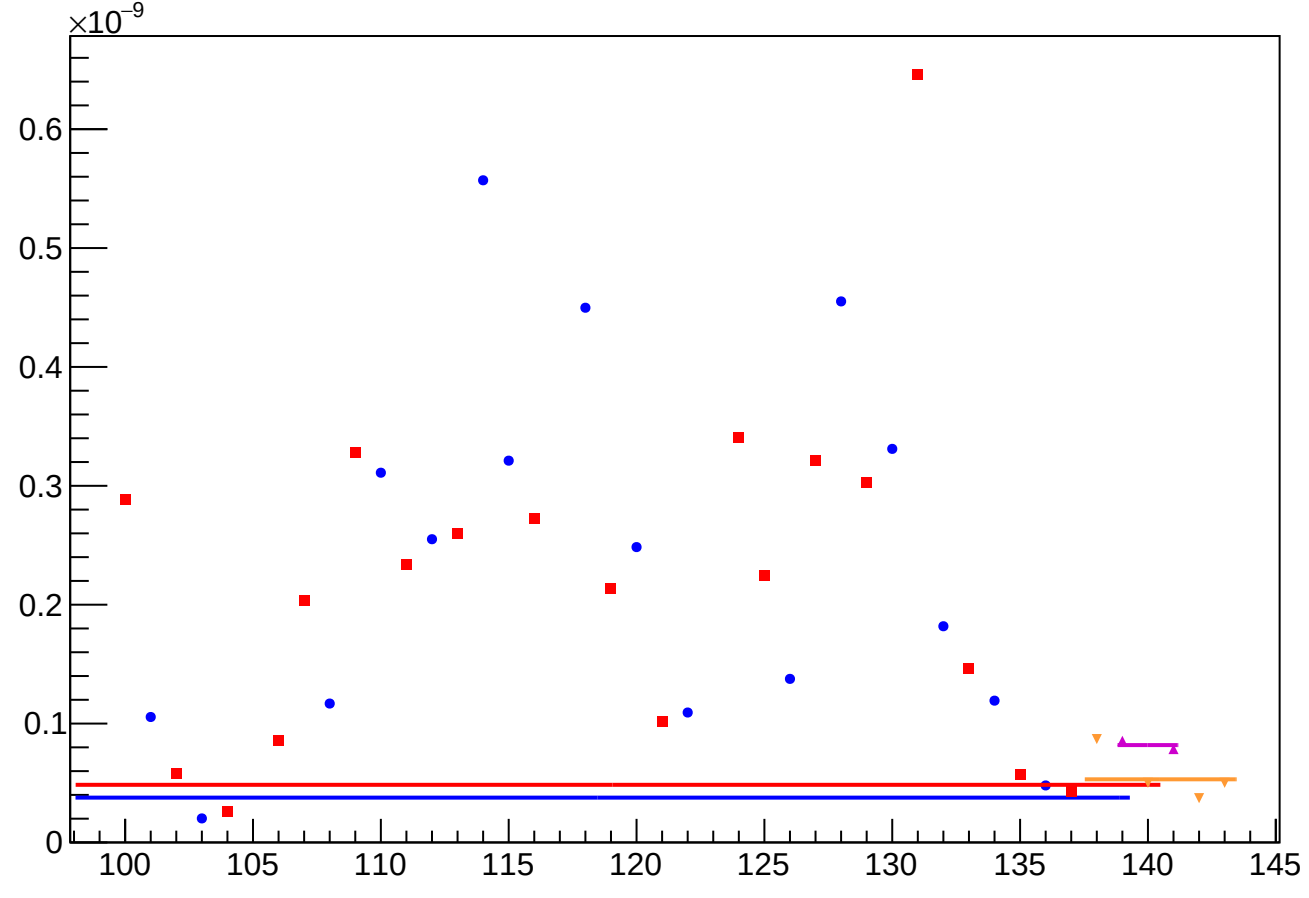
Left: 0.000+/-0.000 χ^2/NDF: 5.0/5

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:31.8/22

All: 0.000+/-0.000 χ^2/NDF: 58.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:154161.1/3

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: 287474.8/5

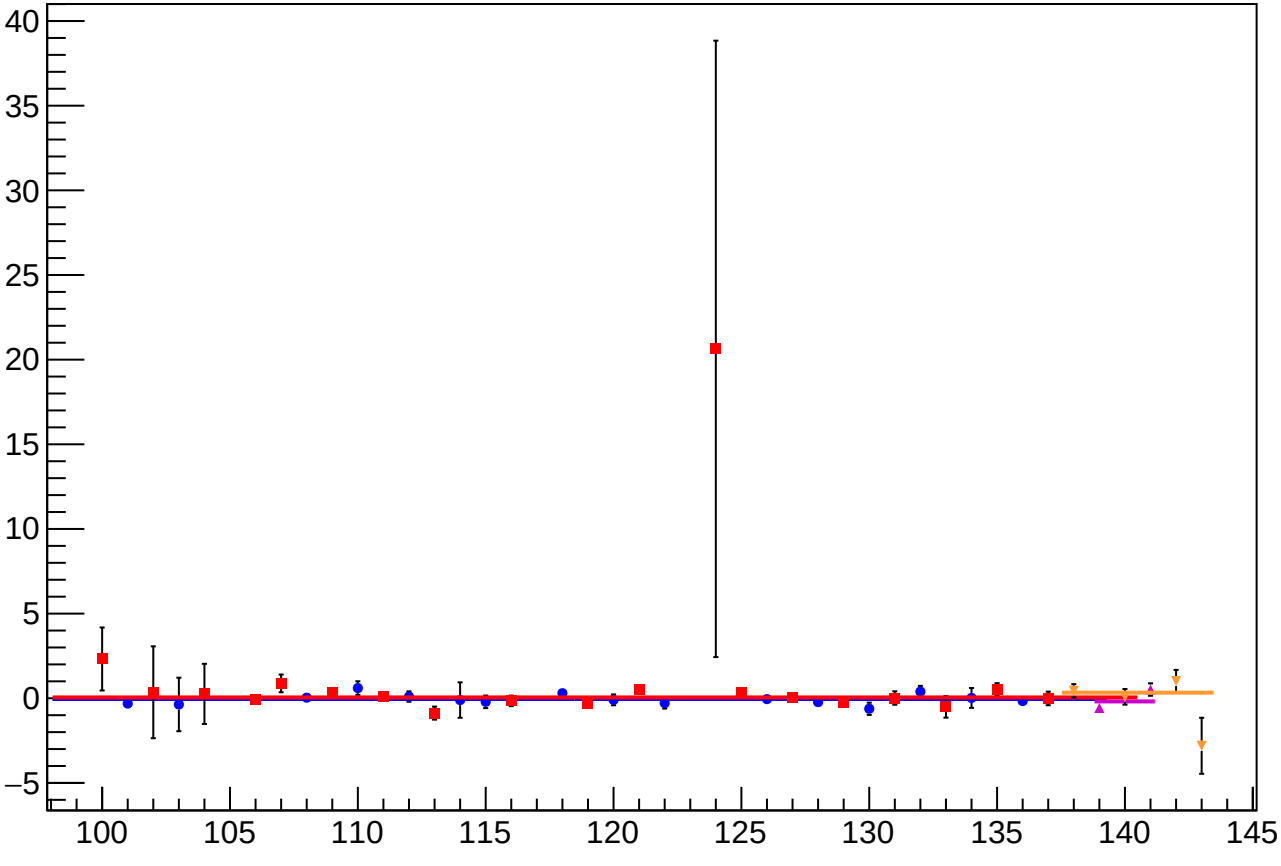
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3494044.9/17

Out: 0.000+/-0.000 χ^2/NDF:3058368.1/22

All: 0.000+/-0.000 χ^2/NDF: 6599724.5/40

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: 0.332+/-0.269 χ^2/NDF:5.1/3

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+/-0.170 χ^2/NDF: 12.9/5

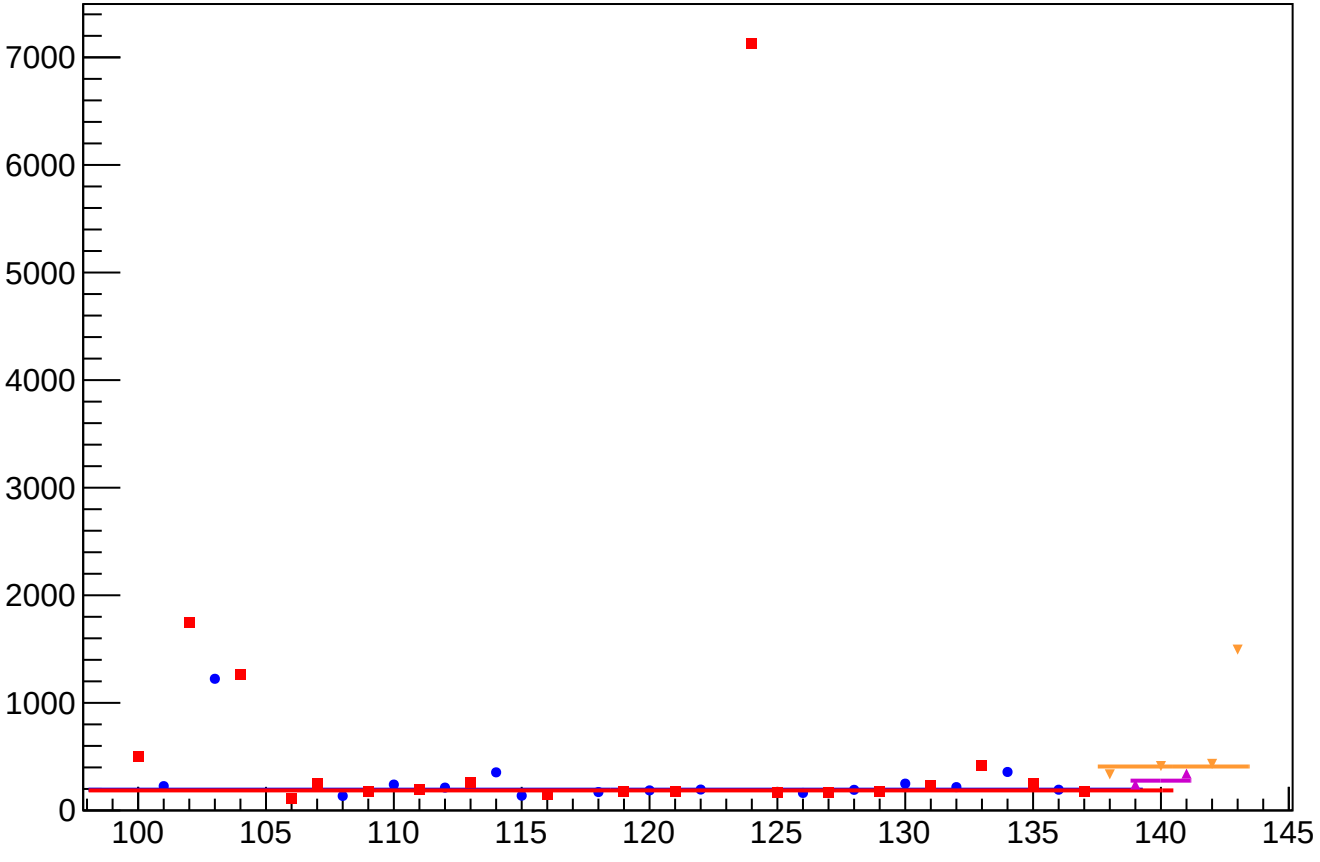
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.005+/-0.053 χ^2/NDF: 48.3/40

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 408.443+/-0.190 χ^2/NDF:934049.4/3

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: 329.436+/-0.120 χ^2/NDF: 1319803.8/5

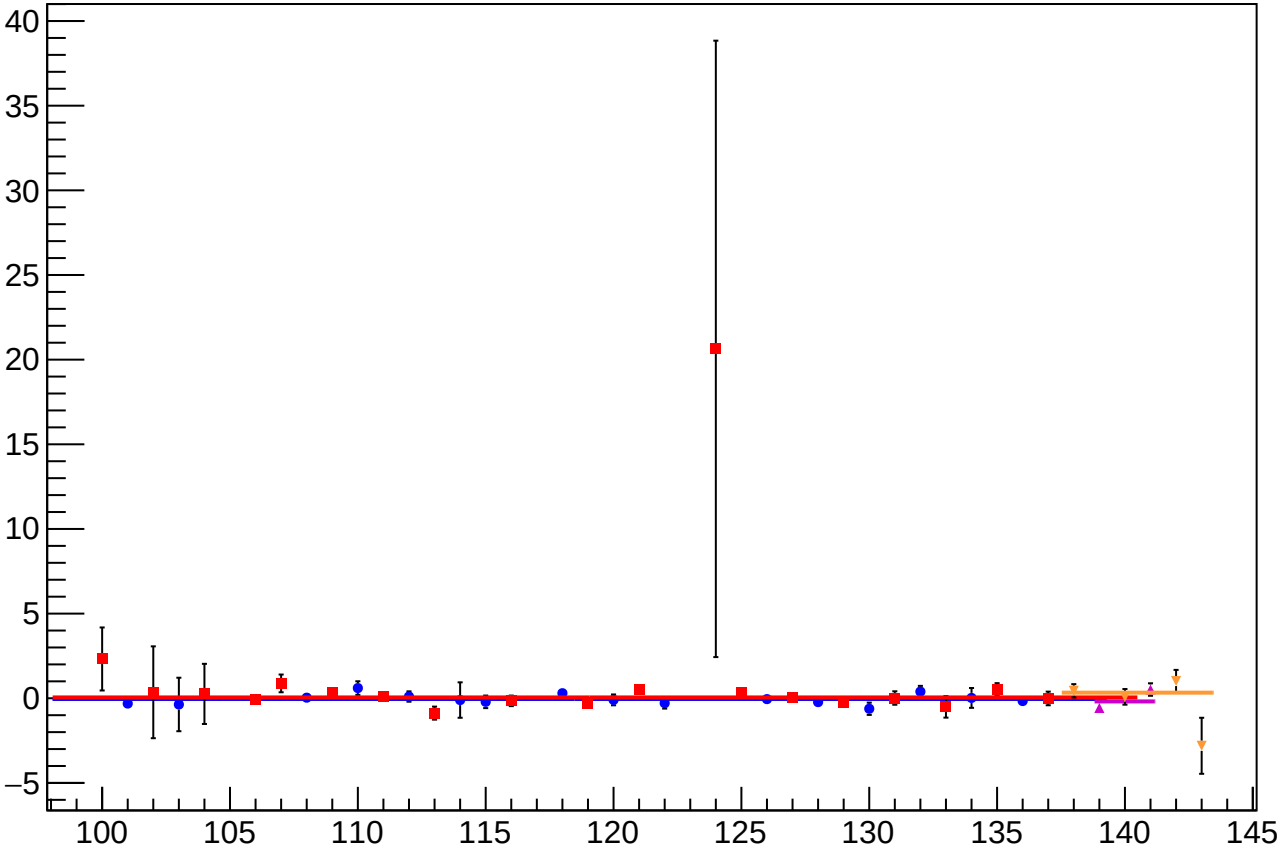
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 202.625+/-0.052 χ^2/NDF:1766004.2/17

Out: 203.966+/-0.053 χ^2/NDF:4671375.1/22

All: 203.275+/-0.037 χ^2/NDF: 6437703.7/40

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: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.187+/-0.219 χ^2/NDF:5.6/1

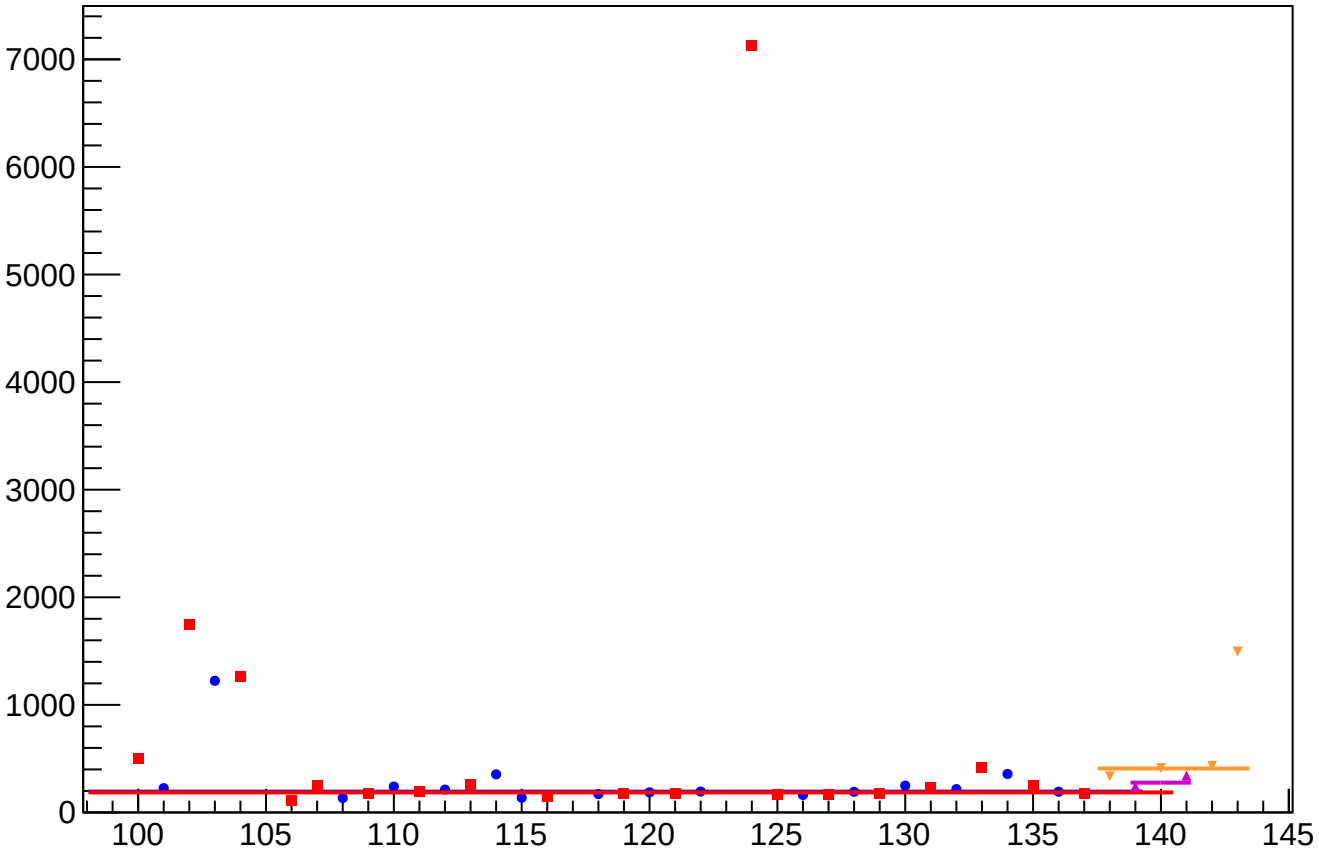
Left: 0.020+/-0.170 χ^2/NDF: 12.9/5

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.005+/-0.053 χ^2/NDF: 48.3/40



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 408.443+/-0.190 χ^2/NDF:934049.4/3

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 276.967+/-0.155 χ^2/NDF:97914.6/1

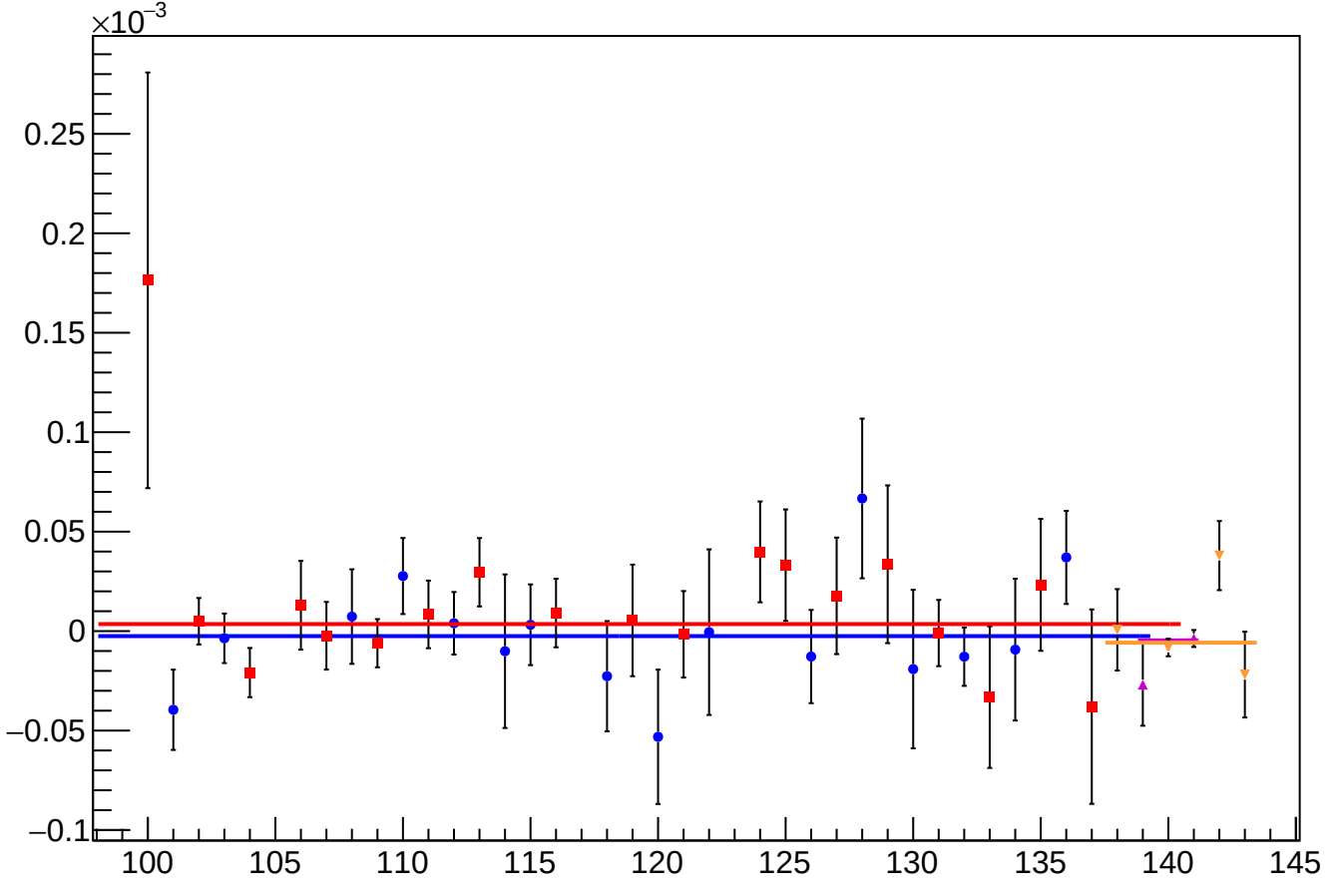
Left: 329.436+/-0.120 χ^2/NDF: 1319803.8/5

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 202.625+/-0.052 χ^2/NDF:1766004.2/17

Out: 203.966+/-0.053 χ^2/NDF:4671375.1/22

All: 203.275+/-0.037 χ^2/NDF: 6437703.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

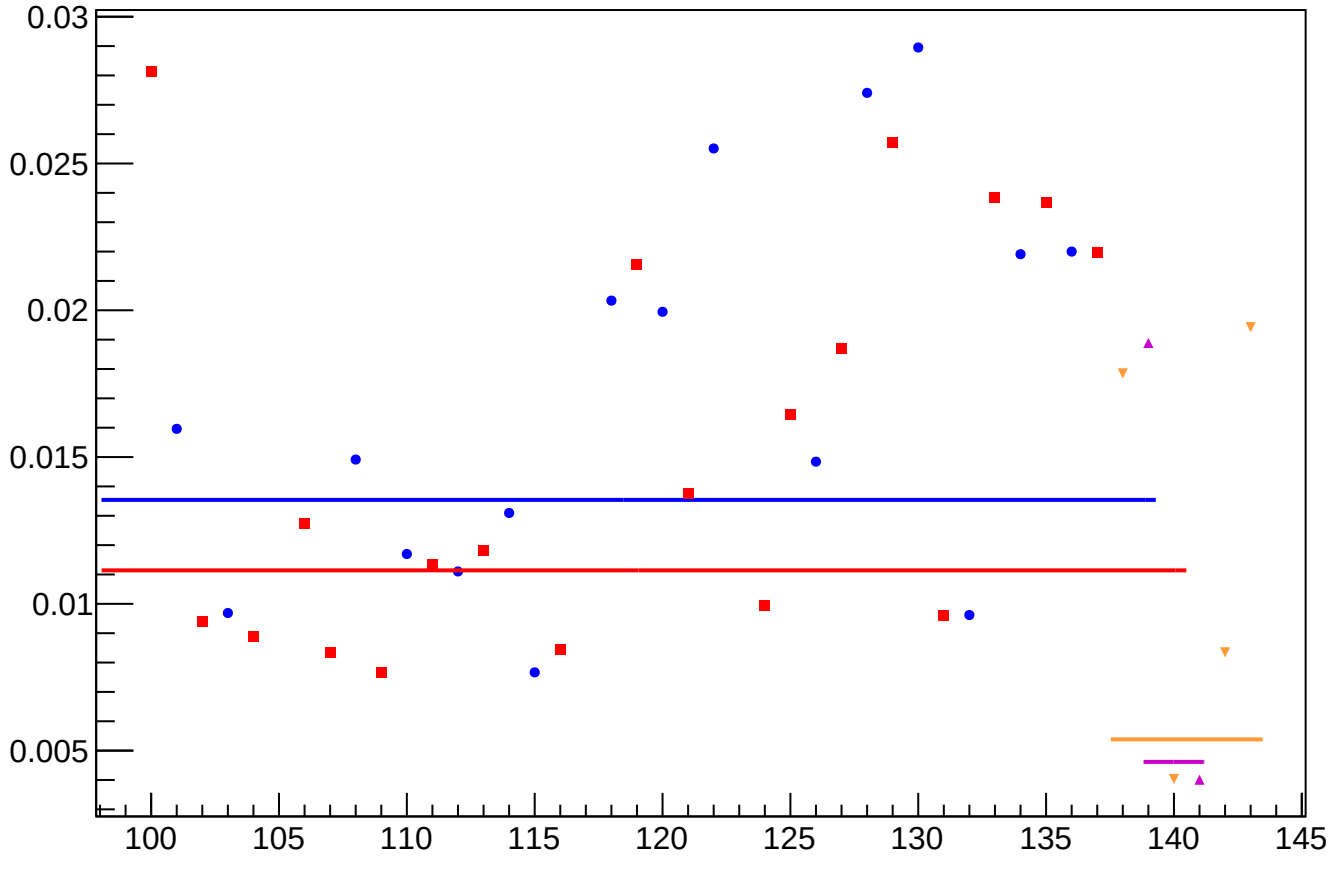
Left: -0.000+/-0.000 χ^2/NDF: 8.5/5

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:26.0/22

All: -0.000+/-0.000 χ^2/NDF: 43.4/40



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1836098.9/3

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: 2863240.4/5

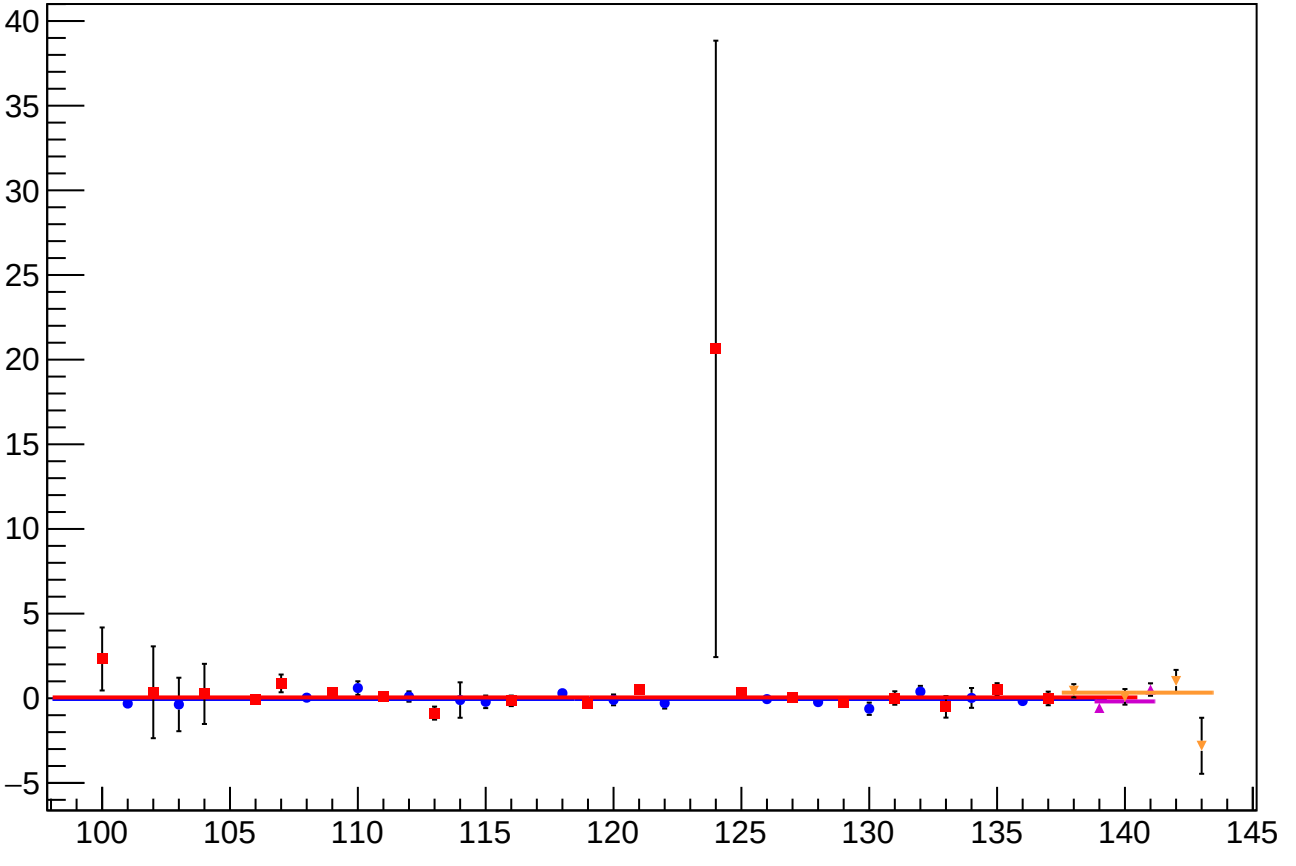
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6246162.9/17

Out: 0.008+/-0.000 χ^2/NDF:5529323.2/22

All: 0.008+/-0.000 χ^2/NDF: 11776460.3/40

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: 0.332+/-0.269 χ^2/NDF:5.1/3

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.187+/-0.219 χ^2/NDF:5.6/1

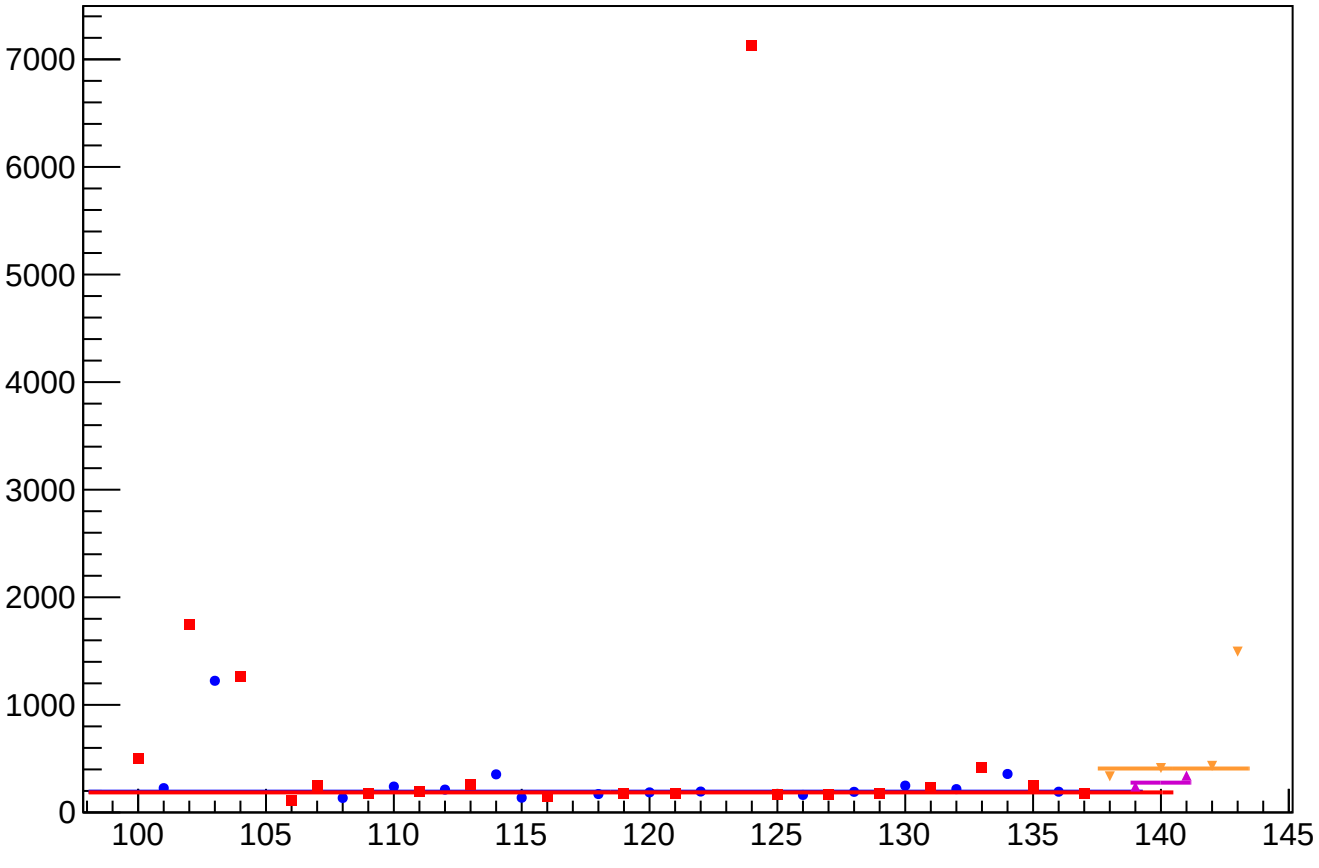
Left: 0.020+/-0.170 χ^2/NDF: 12.9/5

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.005+/-0.053 χ^2/NDF: 48.3/40



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 408.447+/-0.190 χ^2/NDF:934038.9/3

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: 329.440+/-0.120 χ^2/NDF: 1319772.5/5

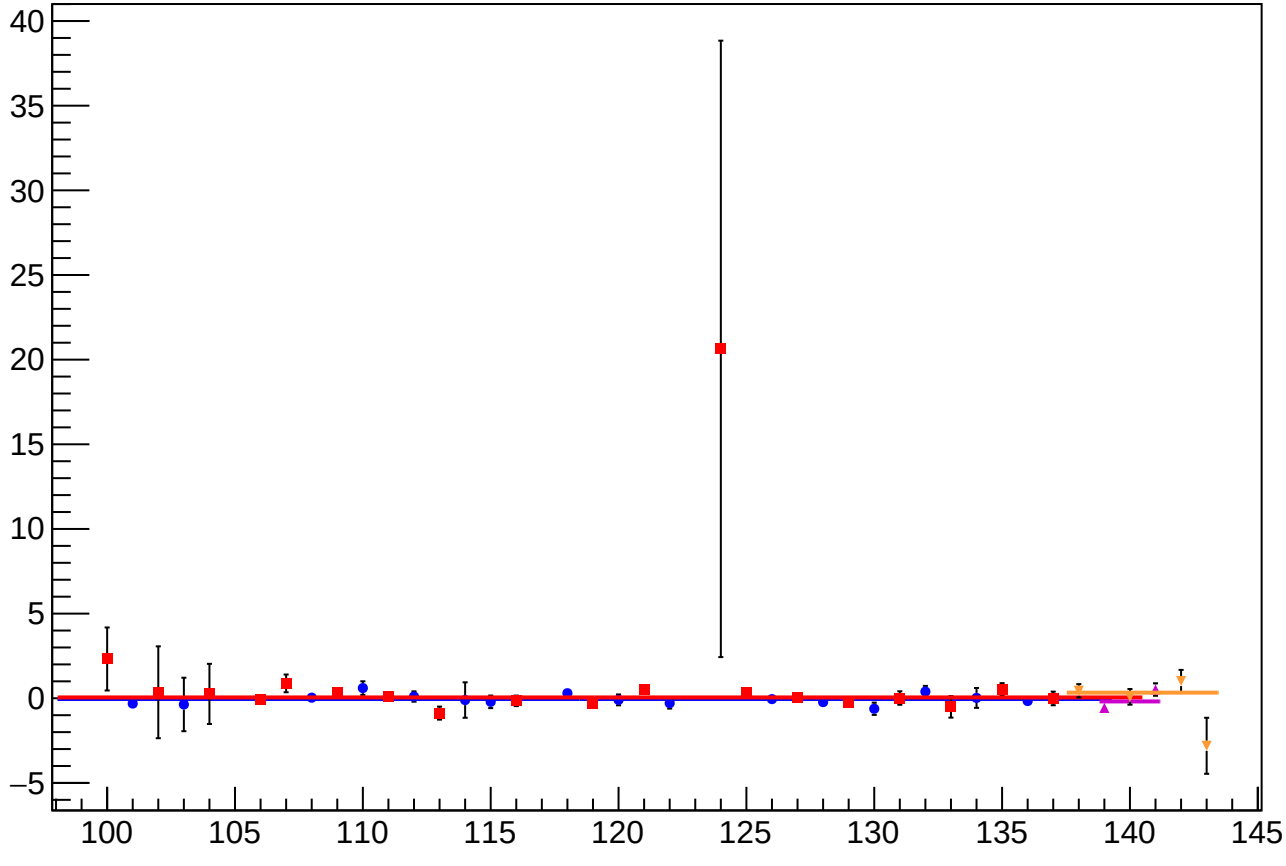
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 202.624+/-0.052 χ^2/NDF:1766013.3/17

Out: 203.964+/-0.053 χ^2/NDF:4671442.4/22

All: 203.273+/-0.037 χ^2/NDF: 6437779.6/40

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: 0.332+/-0.269 χ^2/NDF:5.1/3

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+/-0.170 χ^2/NDF: 12.9/5

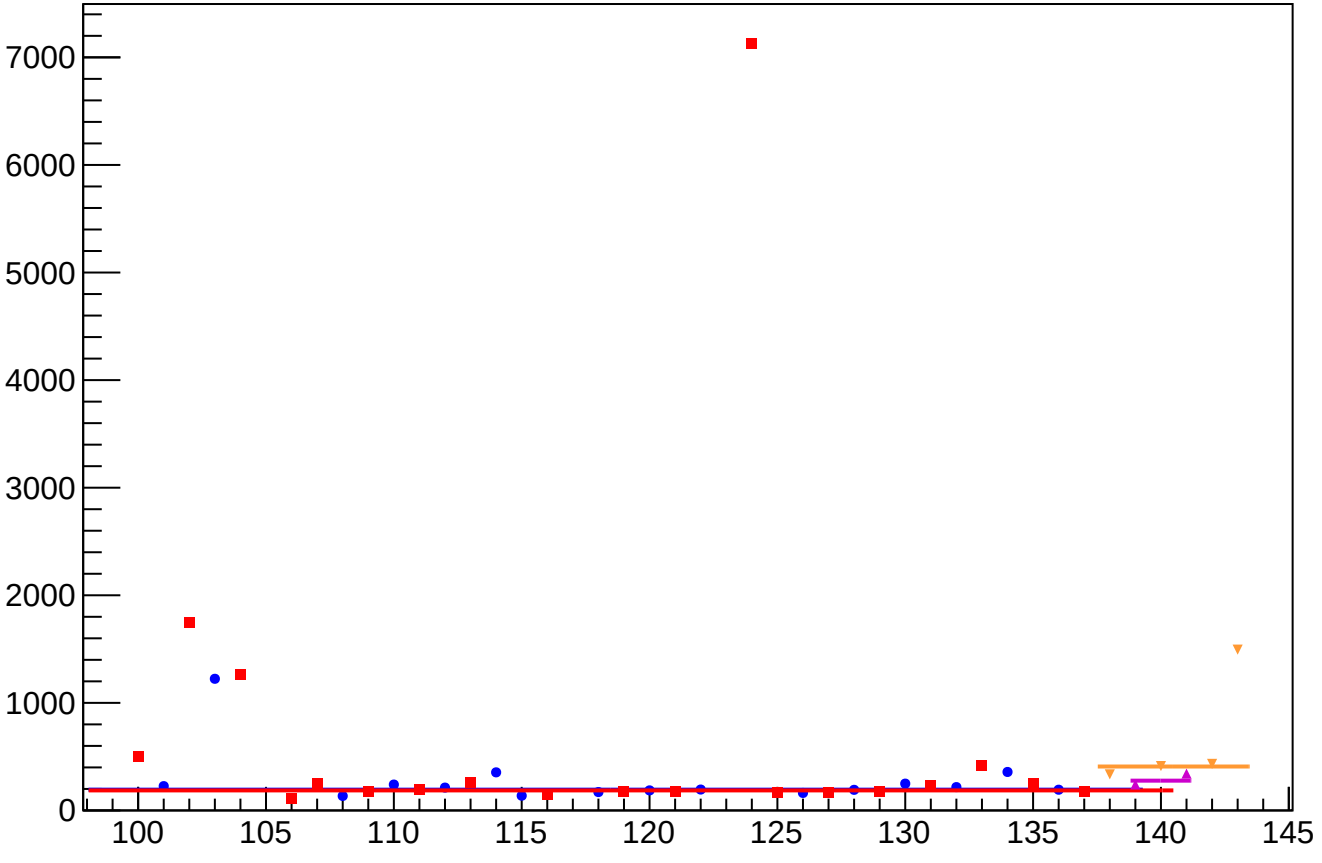
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.057+/-0.073 χ^2/NDF:17.7/17

Out: 0.072+/-0.076 χ^2/NDF:29.1/22

All: 0.005+/-0.053 χ^2/NDF: 48.3/40

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: 408.447+/-0.190 χ^2/NDF:934038.9/3

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 276.971+/-0.155 χ^2/NDF:97901.9/1

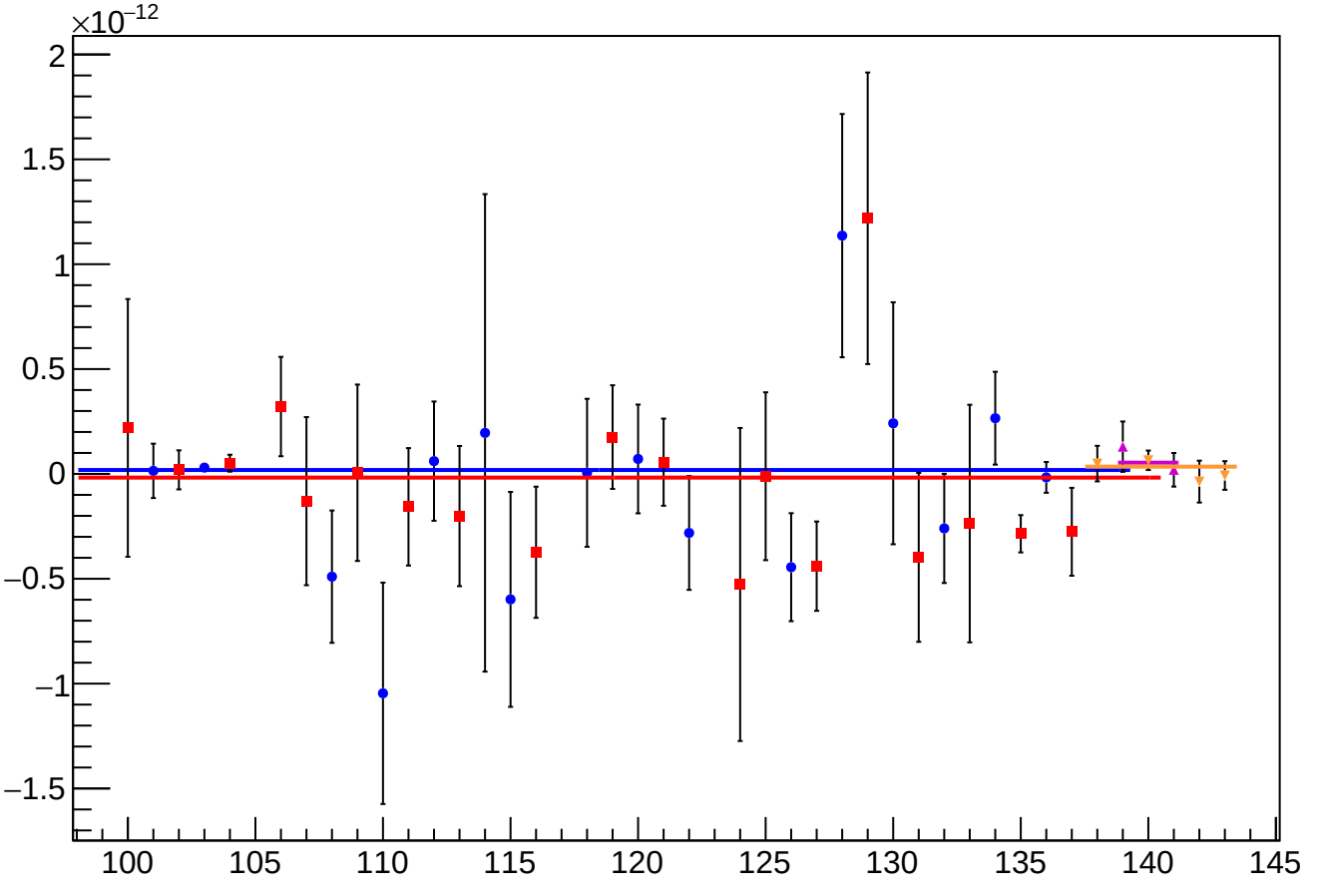
Left: 329.440+/-0.120 χ^2/NDF: 1319772.5/5

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 202.624+/-0.052 χ^2/NDF:1766013.3/17

Out: 203.964+/-0.053 χ^2/NDF:4671442.4/22

All: 203.273+/-0.037 χ^2/NDF: 6437779.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

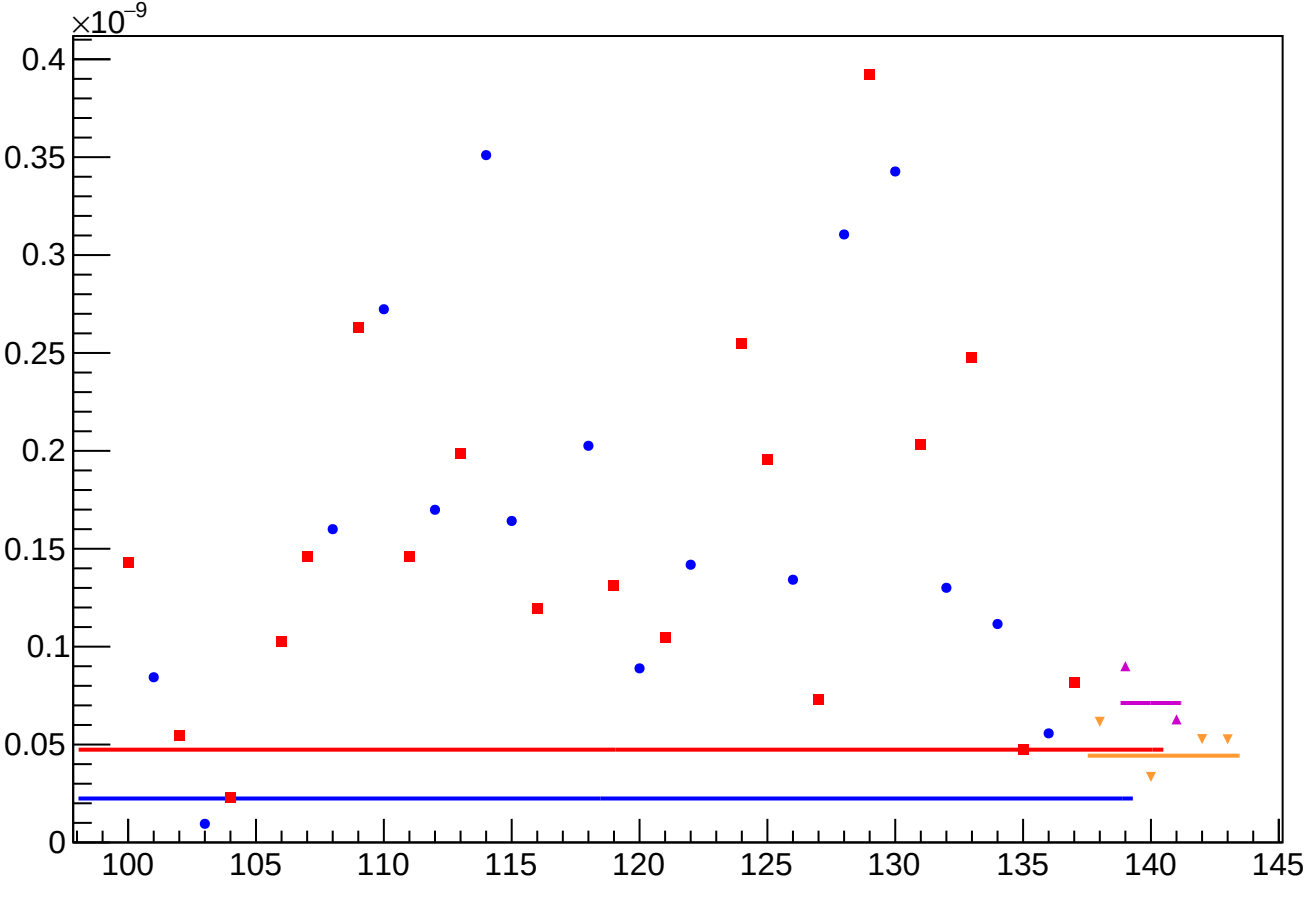
Left: 0.000+/-0.000 χ^2/NDF: 2.0/5

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:29.8/22

All: 0.000+/-0.000 χ^2/NDF: 50.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:237061.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:70835.8/1

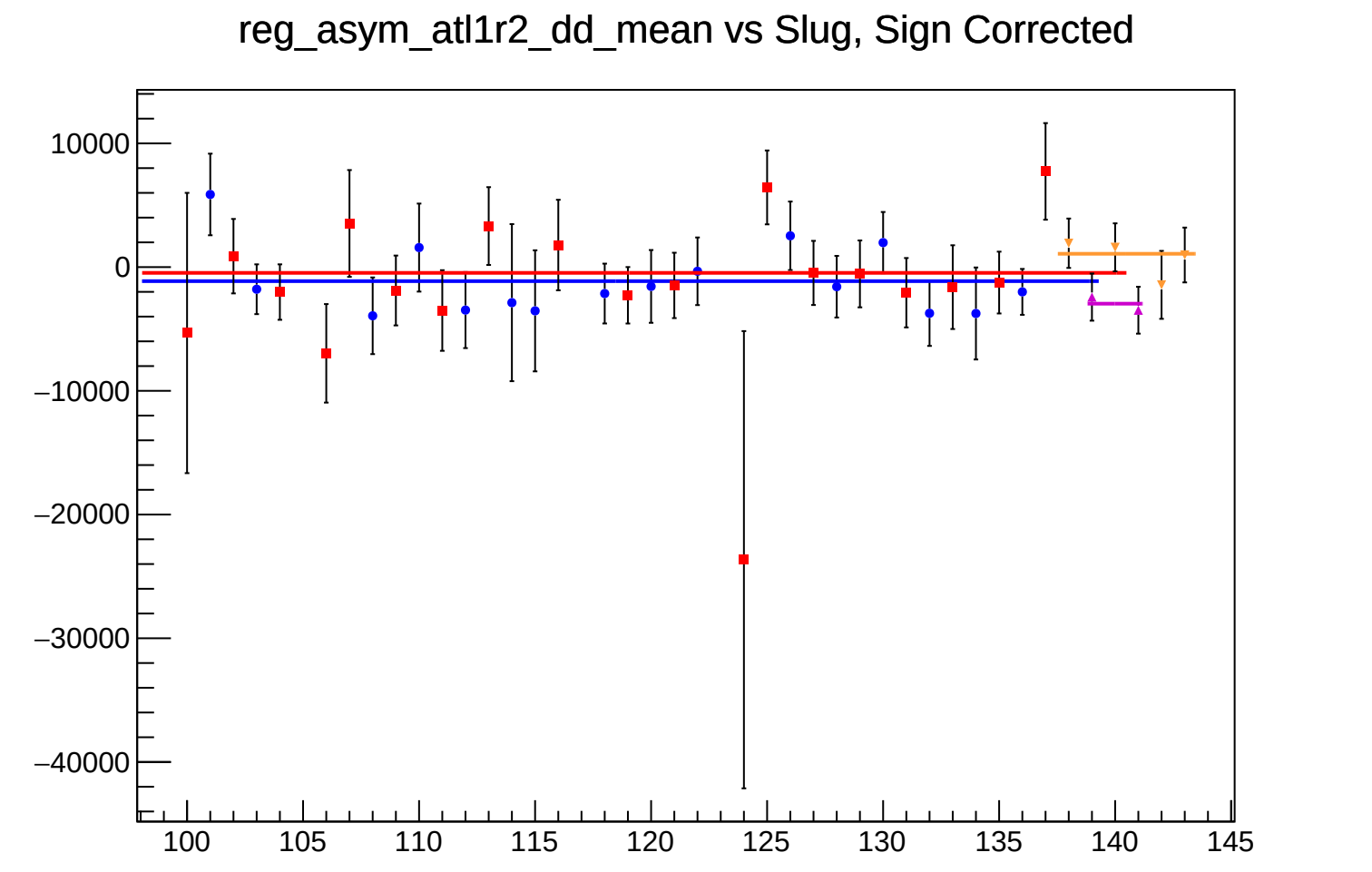
Left: 0.000+/-0.000 χ^2/NDF: 570061.2/5

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

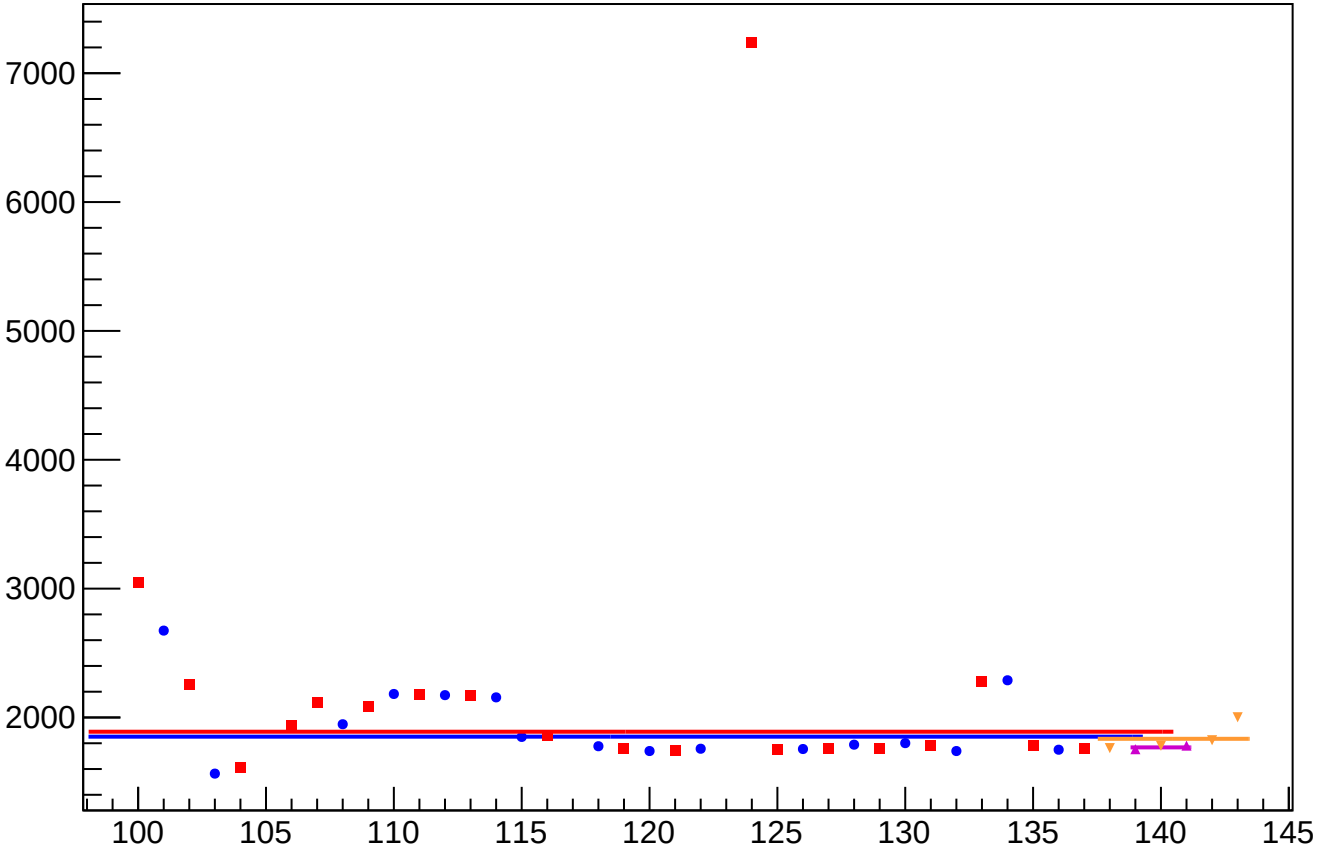
In: 0.000+/-0.000 χ^2/NDF:7460110.2/17

Out: 0.000+/-0.000 χ^2/NDF:4482245.8/22

All: 0.000+/-0.000 χ^2/NDF: 12762162.5/40


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 1076.418+/-1082.242 χ²/NDF:1.1/3
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: -2957.030+/-1343.467 χ²/NDF:0.2/1
Left: -510.922+/-842.799 χ²/NDF: 6.7/5
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -1518.309+/-616.438 χ²/NDF:13.8/17
Out: -5.286+/-591.262 χ²/NDF:22.5/22
All: -730.270+/-426.708 χ²/NDF: 39.5/40

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

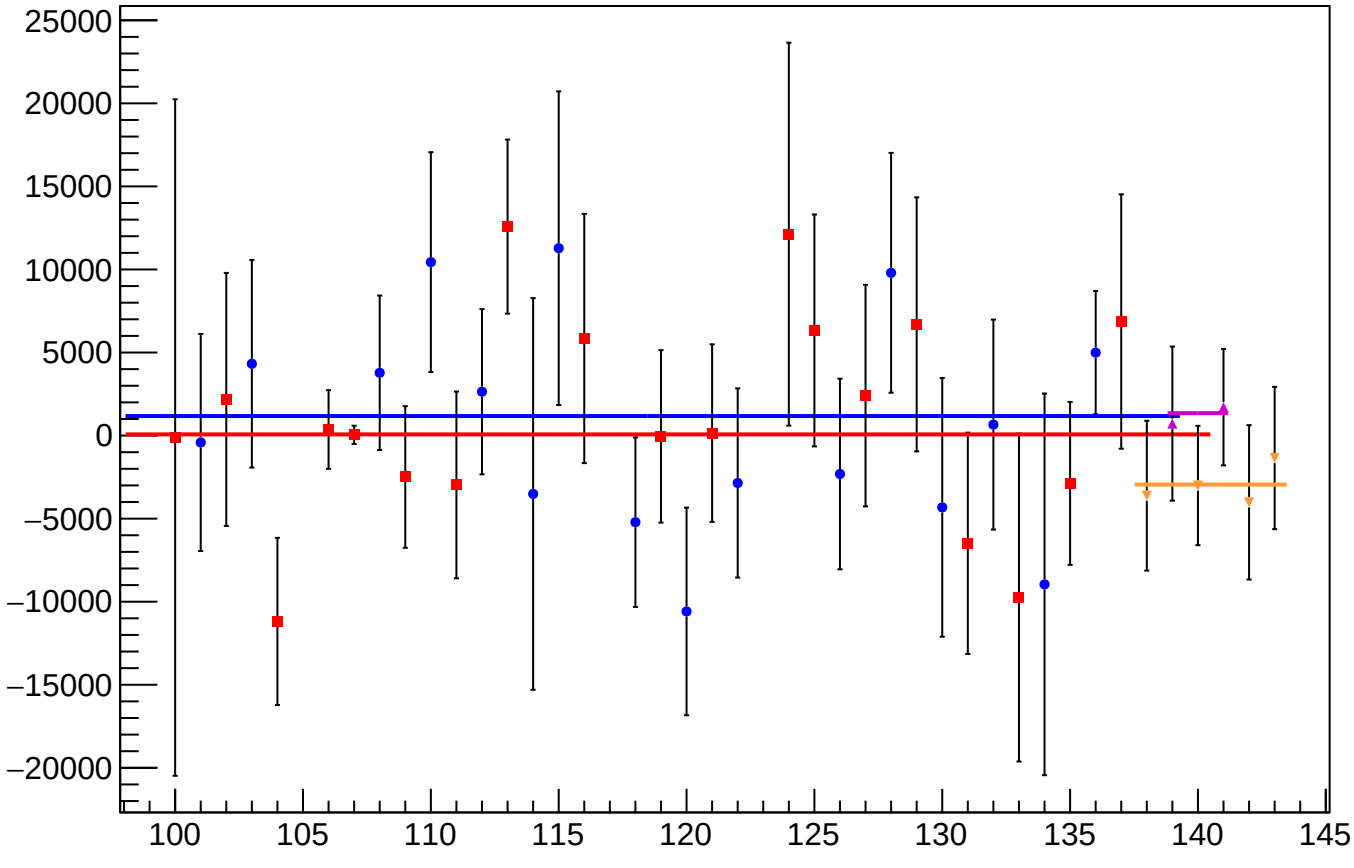
Left: 1808.278+/-0.596 χ^2/NDF: 18784.1/5

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1833.608+/-0.436 χ^2/NDF:266255.0/17

Out: 1873.150+/-0.417 χ^2/NDF:378129.5/22

All: 1854.235+/-0.301 χ^2/NDF: 648677.5/40



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2948.160+/-2096.491 χ^2/NDF:0.2/3

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: 1351.260+/-2796.007 χ^2/NDF:0.0/1

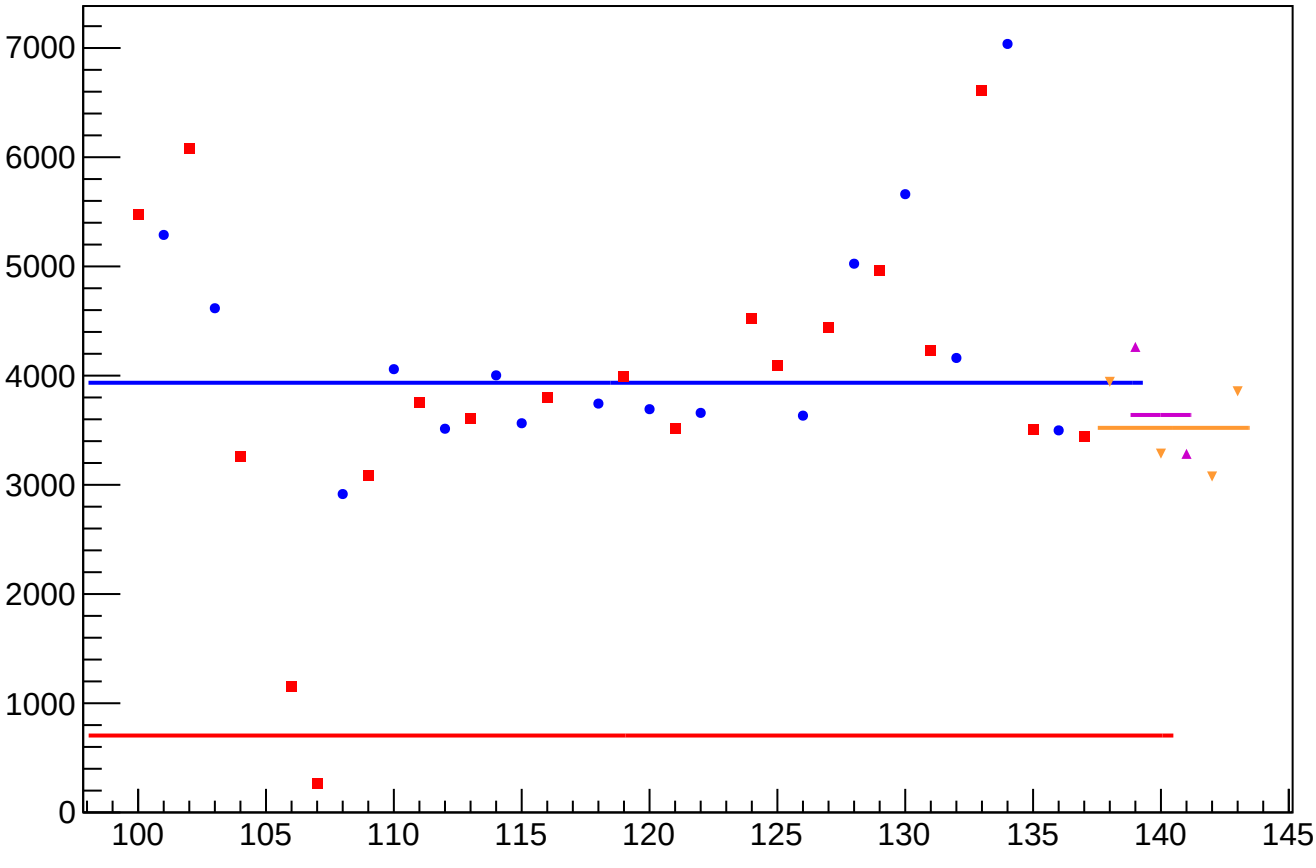
Left: -1400.854+/-1677.341 χ^2/NDF: 1.8/5

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 1214.813+/-1323.254 χ^2/NDF:13.8/17

Out: -93.413+/-491.594 χ^2/NDF:20.1/22

All: 65.245+/-460.822 χ^2/NDF: 34.7/40



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3521.790+/-1.482 χ^2/NDF:56665.5/3

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3639.801+/-1.977 χ^2/NDF:56738.4/1

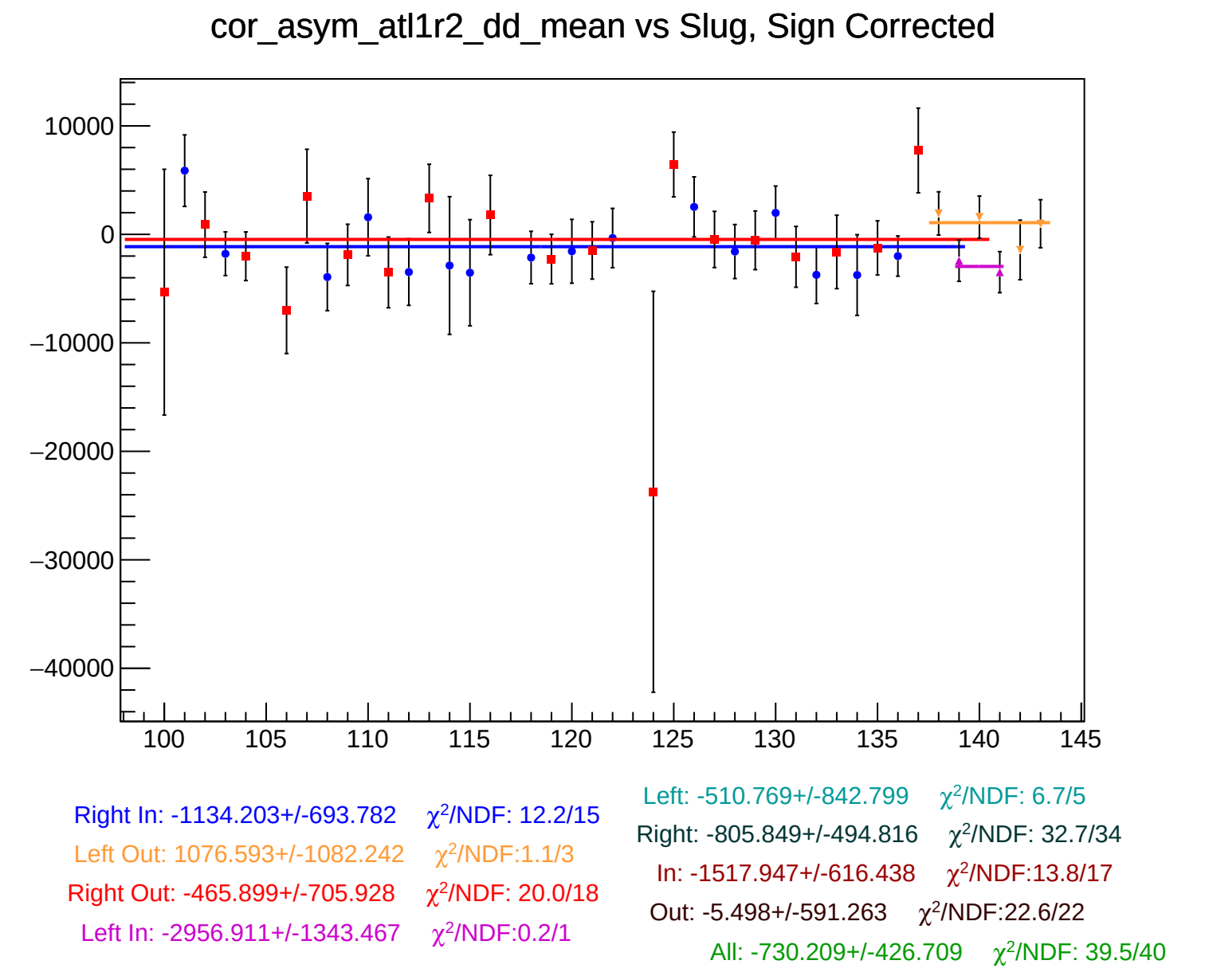
Left: 3564.261+/-1.186 χ^2/NDF: 115684.5/5

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3868.663+/-0.936 χ^2/NDF:634131.3/17

Out: 859.294+/-0.348 χ^2/NDF:14088670.0/22

All: 1224.262+/-0.326 χ^2/NDF: 23812423.0/4


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
105
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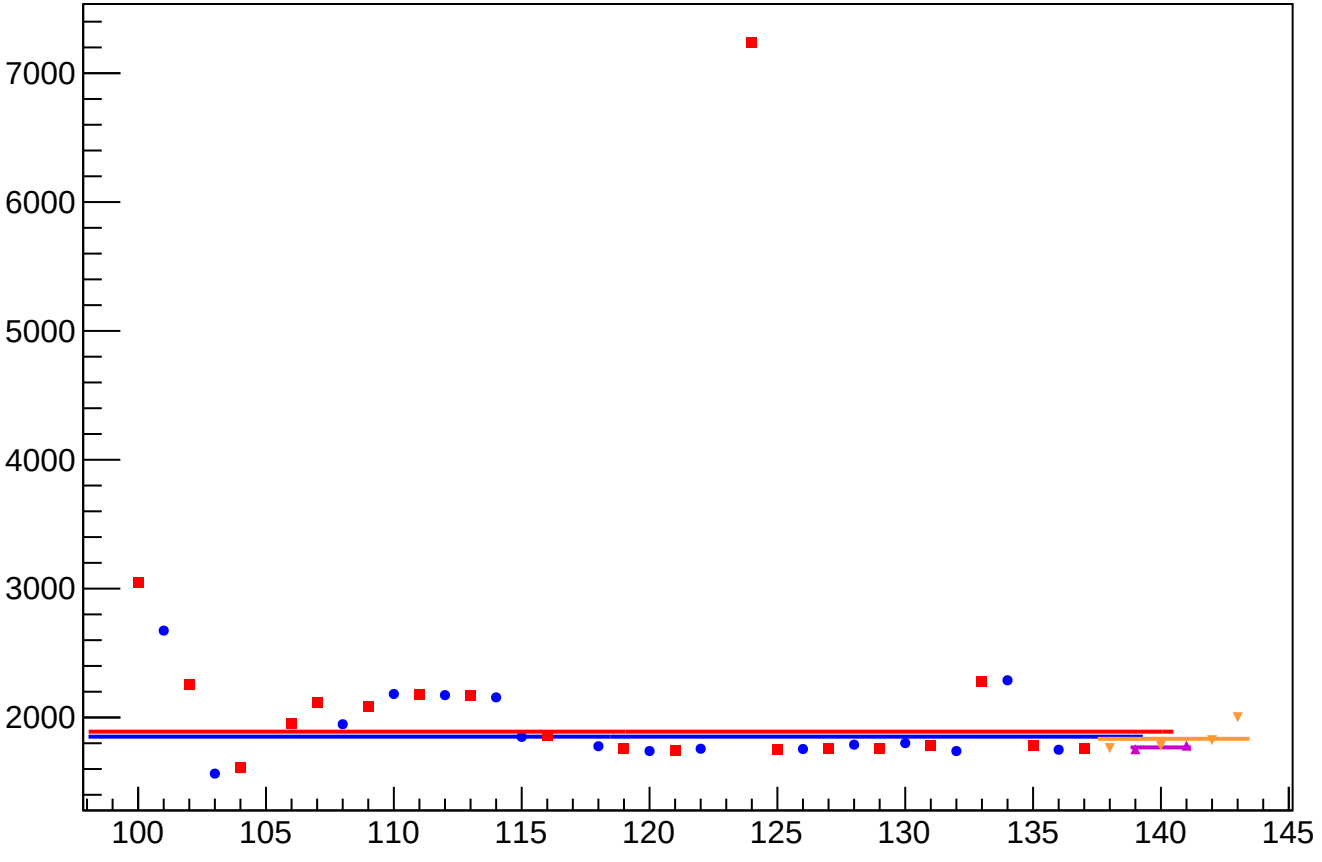
115
120
125
130
135
140
145
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1076.593+/-1082.242 χ²/NDF:1.1/3
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -2956.911+/-1343.467 χ²/NDF:0.2/1
Left: -510.769+/-842.799 χ²/NDF: 6.7/5
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1517.947+/-616.438 χ²/NDF:13.8/17
Out: -5.498+/-591.263 χ²/NDF:22.6/22
All: -730.209+/-426.709 χ²/NDF: 39.5/40

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1767.901+/-0.950 χ^2/NDF:213.6/1

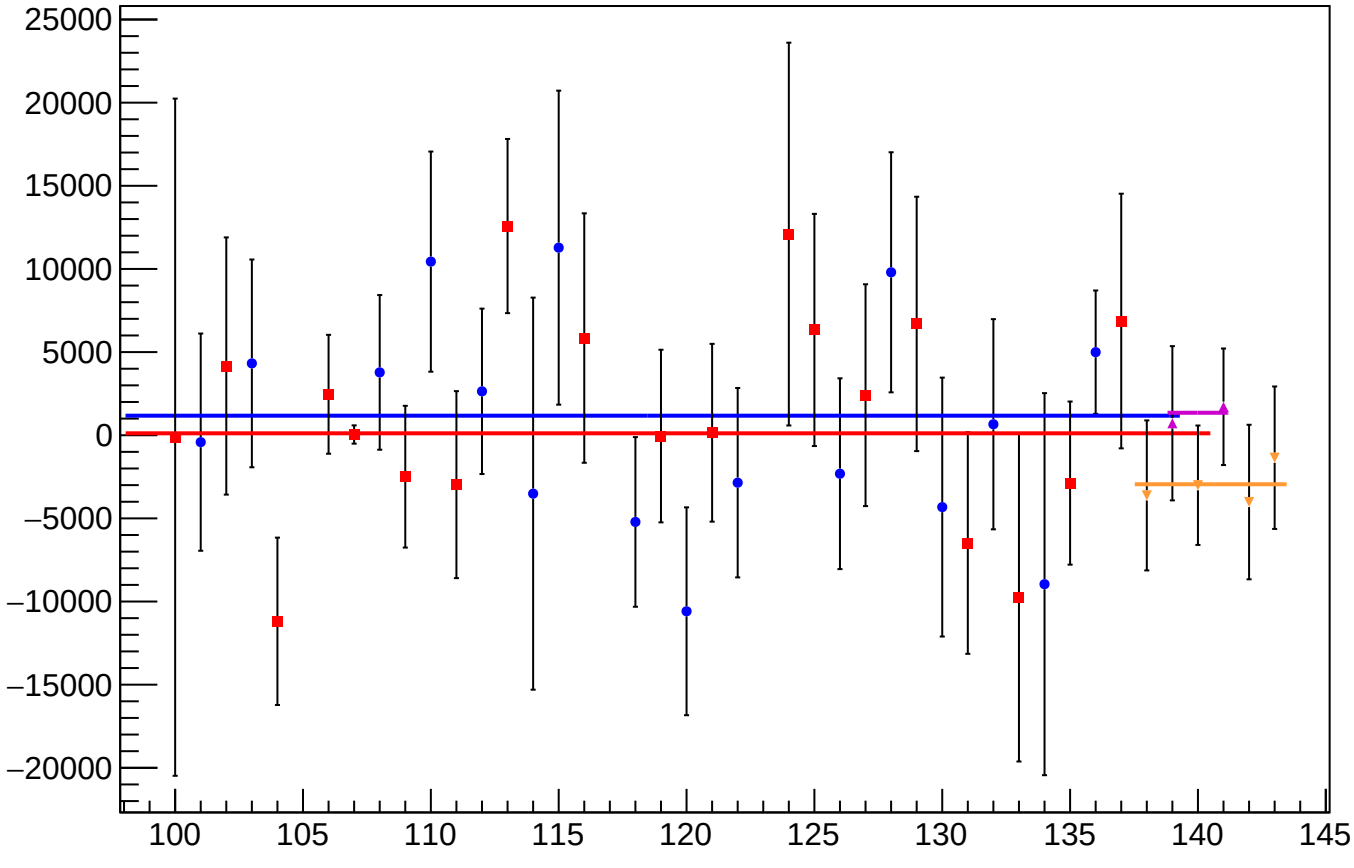
Left: 1808.278+/-0.596 χ^2/NDF: 18784.1/5

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1833.608+/-0.436 χ^2/NDF:266254.2/17

Out: 1873.467+/-0.417 χ^2/NDF:378409.5/22

All: 1854.397+/-0.301 χ^2/NDF: 649025.0/40



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2947.953+/-2096.481 χ^2/NDF:0.2/3

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 1351.369+/-2796.002 χ^2/NDF:0.0/1

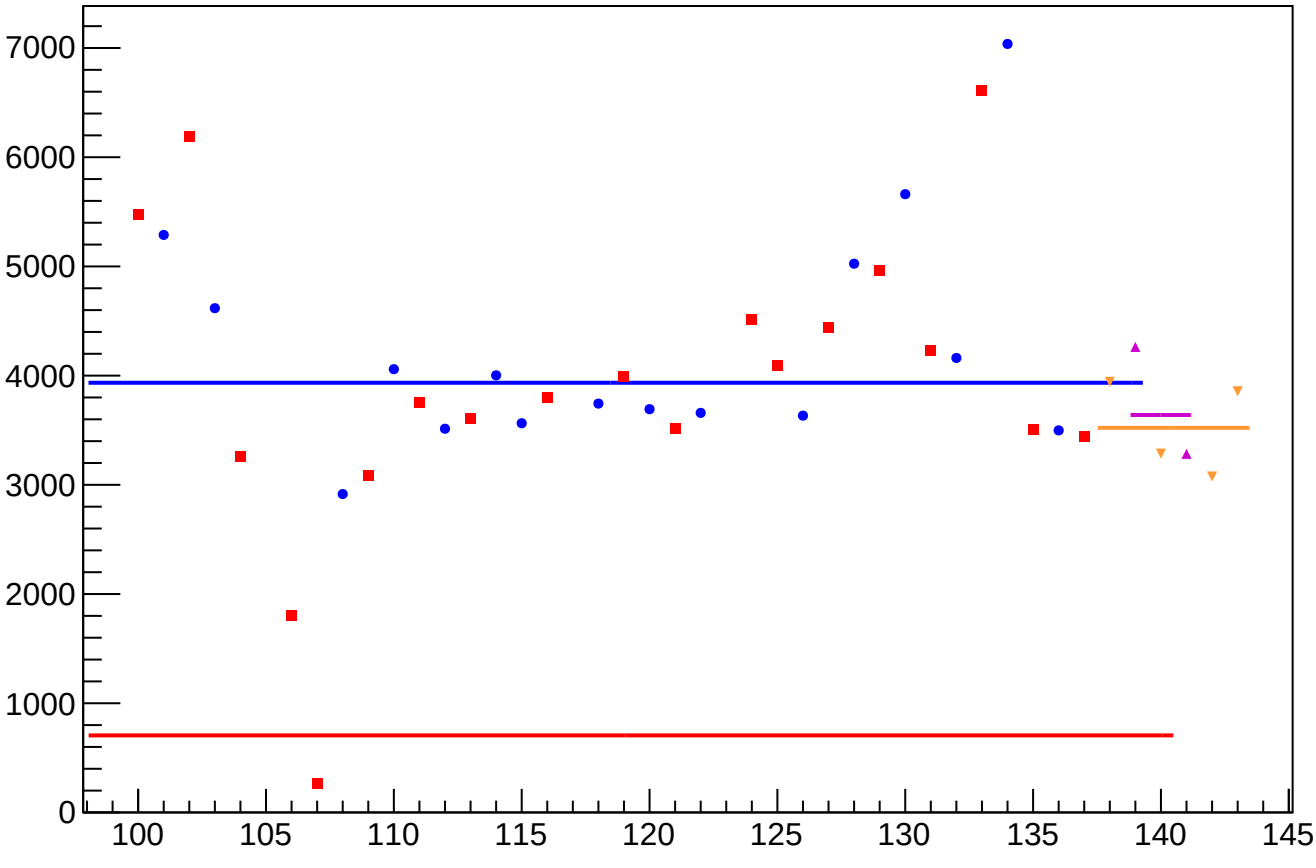
Left: -1400.689+/-1677.335 χ^2/NDF: 1.8/5

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1214.820+/-1323.258 χ^2/NDF:13.8/17

Out: -56.719+/-497.647 χ^2/NDF:20.8/22

All: 100.836+/-465.796 χ^2/NDF: 35.4/40



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3521.771+/-1.482 χ^2/NDF:56669.1/3

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3639.795+/-1.977 χ^2/NDF:56738.3/1

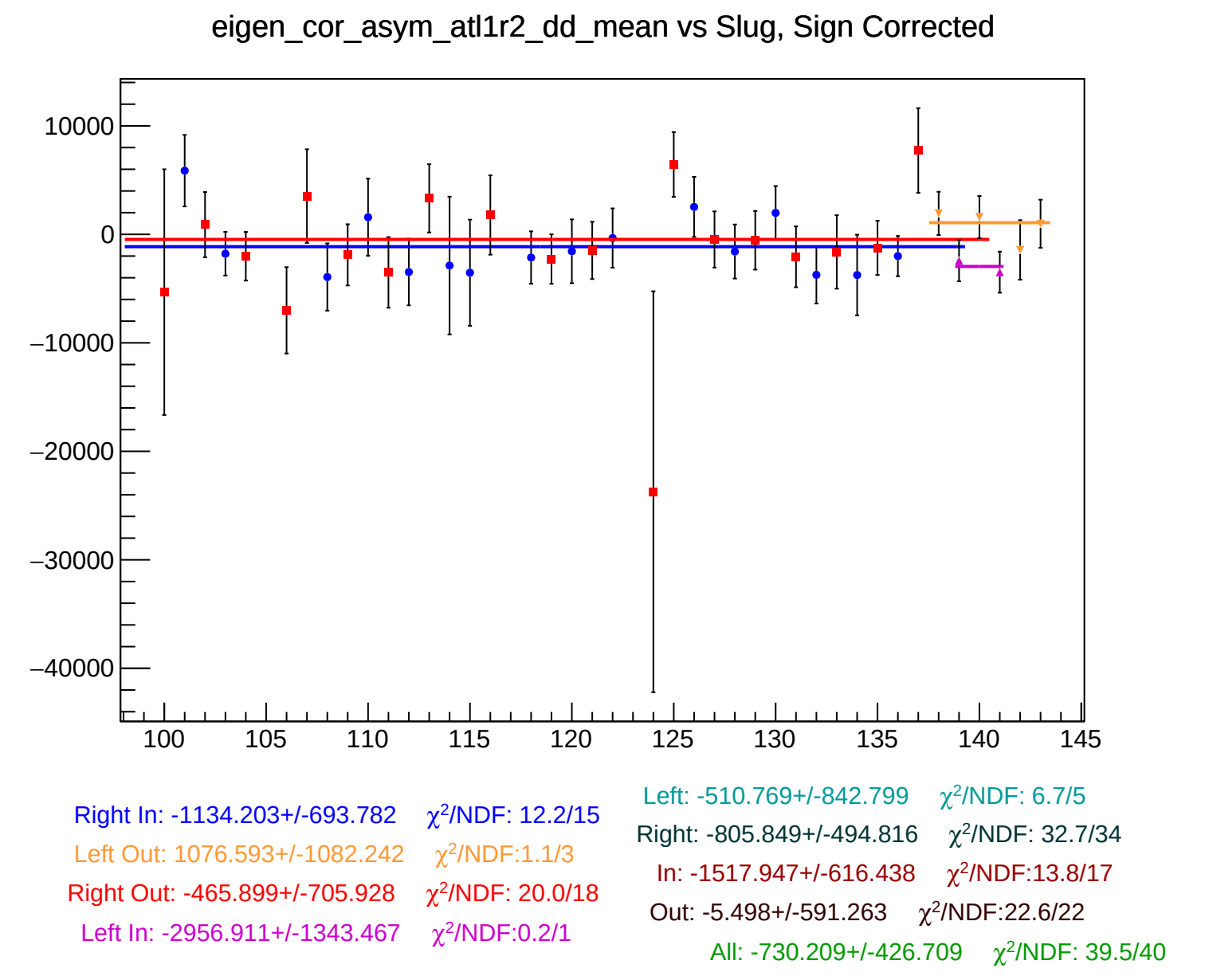
Left: 3564.246+/-1.186 χ^2/NDF: 115688.5/5

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3868.667+/-0.936 χ^2/NDF:634157.3/17

Out: 864.298+/-0.352 χ^2/NDF:14209314.9/22

All: 1236.567+/-0.329 χ^2/NDF: 23875739.2/4


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
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−30000
−40000
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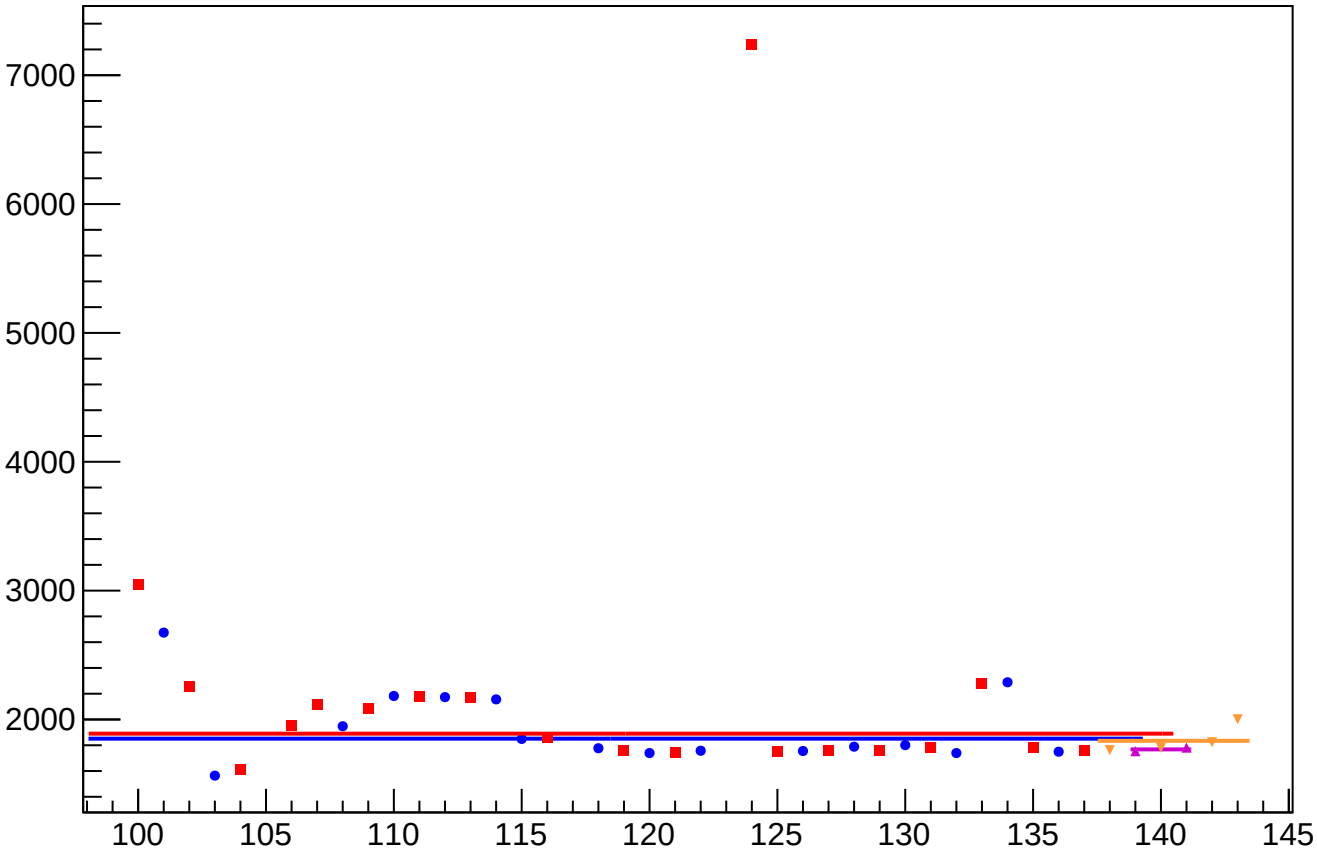
145
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1076.593+/-1082.242 χ²/NDF:1.1/3
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -2956.911+/-1343.467 χ²/NDF:0.2/1
Left: -510.769+/-842.799 χ²/NDF: 6.7/5
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1517.947+/-616.438 χ²/NDF:13.8/17
Out: -5.498+/-591.263 χ²/NDF:22.6/22
All: -730.209+/-426.709 χ²/NDF: 39.5/40



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1834.479+/-0.765 χ^2/NDF:15591.8/3

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: 1808.278+/-0.596 χ^2/NDF: 18784.1/5

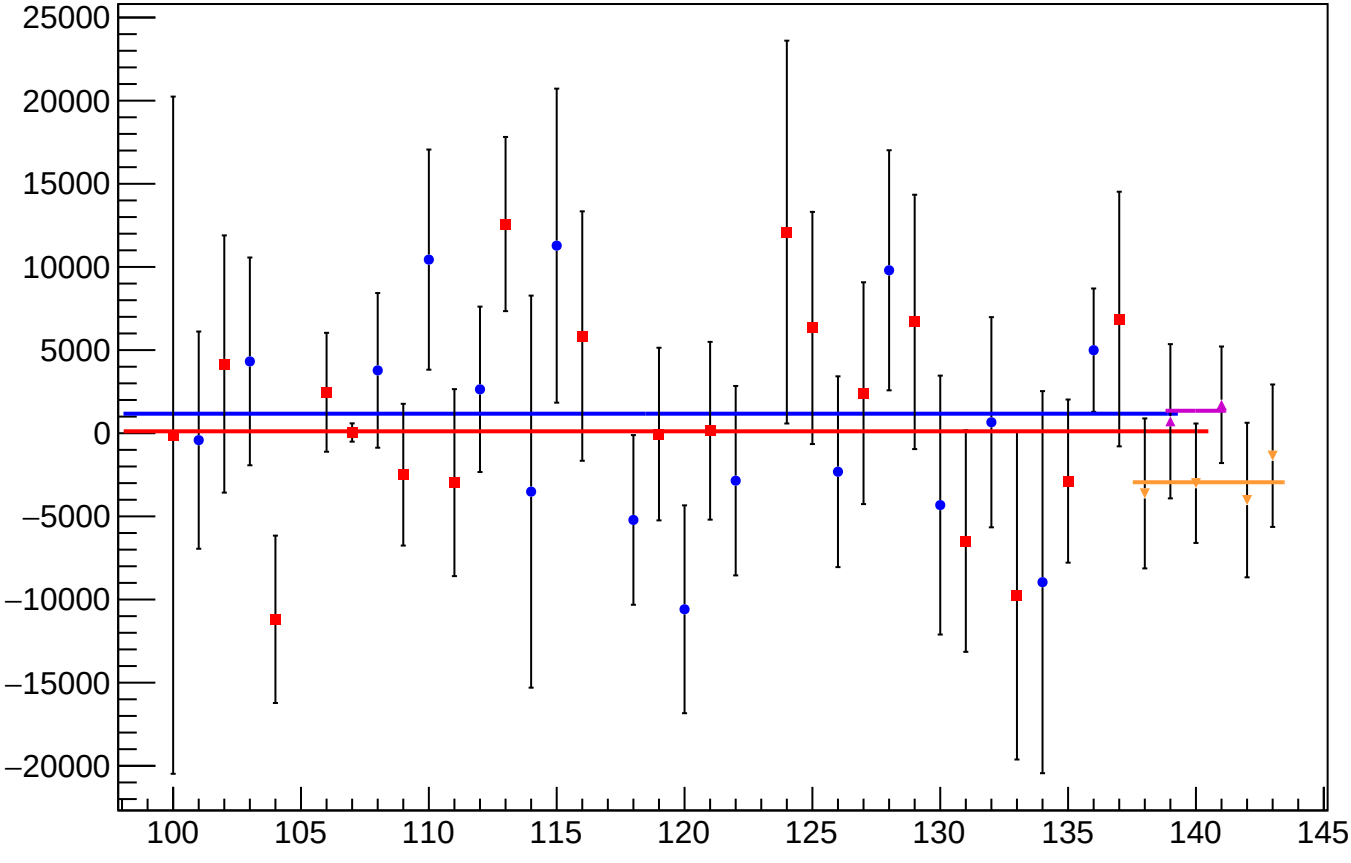
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1833.608+/-0.436 χ^2/NDF:266254.2/17

Out: 1873.467+/-0.417 χ^2/NDF:378409.5/22

All: 1854.397+/-0.301 χ^2/NDF: 649025.0/40

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: -2947.953+/-2096.481 χ^2/NDF:0.2/3

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 1351.369+/-2796.002 χ^2/NDF:0.0/1

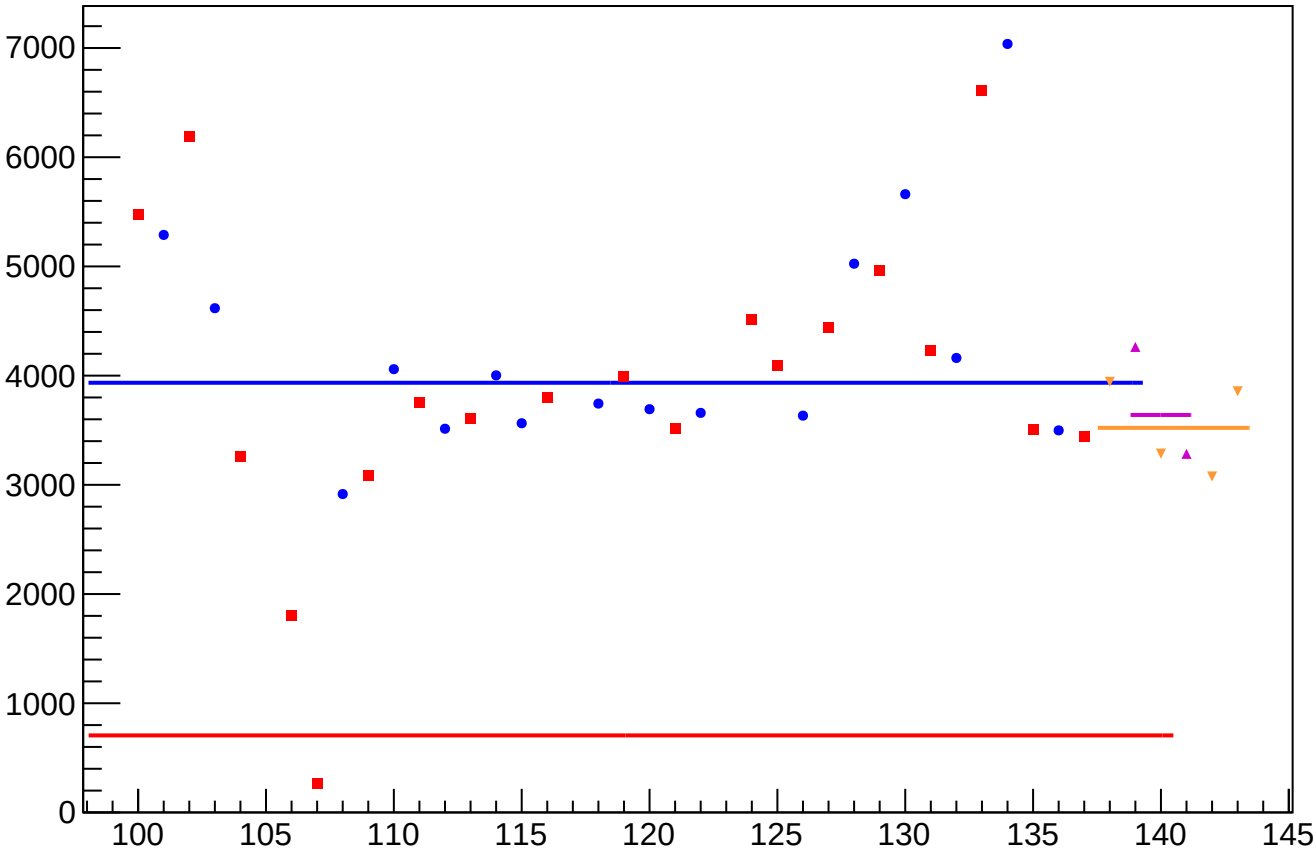
Left: -1400.689+/-1677.335 χ^2/NDF: 1.8/5

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 1214.820+/-1323.258 χ^2/NDF:13.8/17

Out: -56.719+/-497.647 χ^2/NDF:20.8/22

All: 100.836+/-465.796 χ^2/NDF: 35.4/40



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3521.771+/-1.482 χ^2/NDF:56669.1/3

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3639.795+/-1.977 χ^2/NDF:56738.3/1

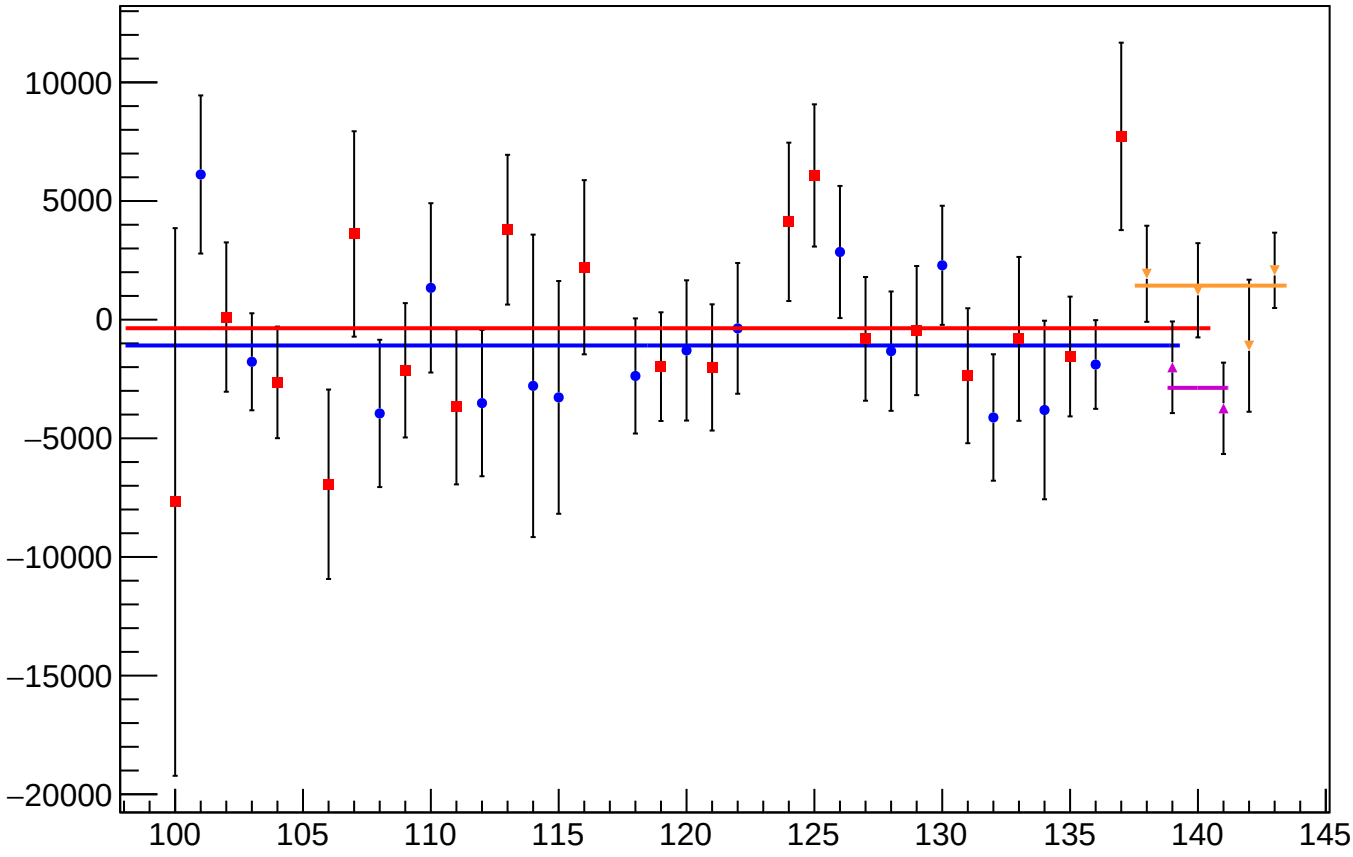
Left: 3564.246+/-1.186 χ^2/NDF: 115688.5/5

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3868.667+/-0.936 χ^2/NDF:634157.3/17

Out: 864.298+/-0.352 χ^2/NDF:14209314.9/22

All: 1236.567+/-0.329 χ^2/NDF: 23875739.2/4



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1434.561+/-988.592 χ^2/NDF:1.1/3

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: -49.922+/-800.351 χ^2/NDF: 8.0/5

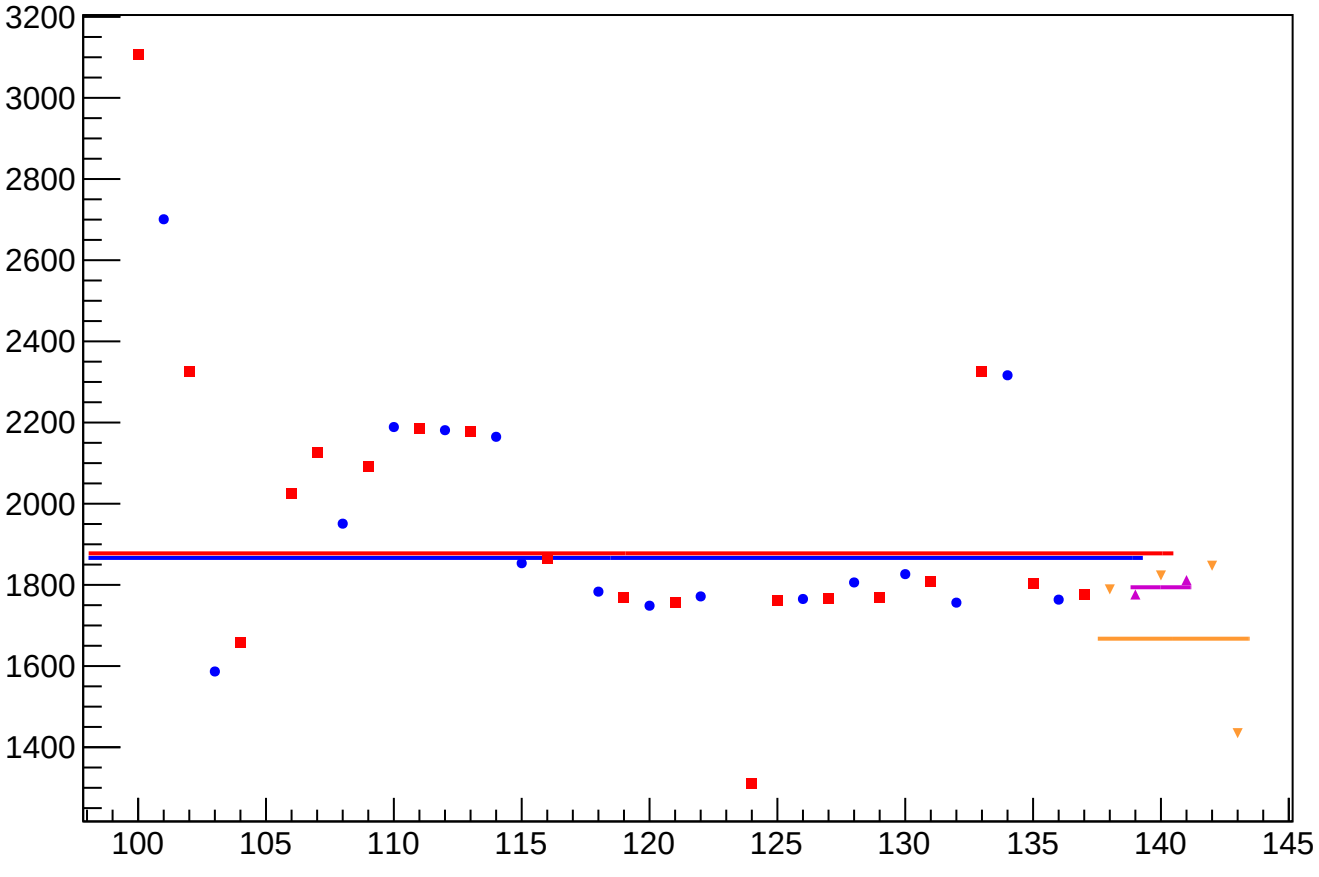
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1459.919+/-622.429 χ^2/NDF:14.9/17

Out: 238.088+/-571.104 χ^2/NDF:24.1/22

All: -538.031+/-420.808 χ^2/NDF: 43.1/40

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1667.440+/-0.699 χ^2/NDF:70853.8/3

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1794.126+/-0.964 χ^2/NDF:339.3/1

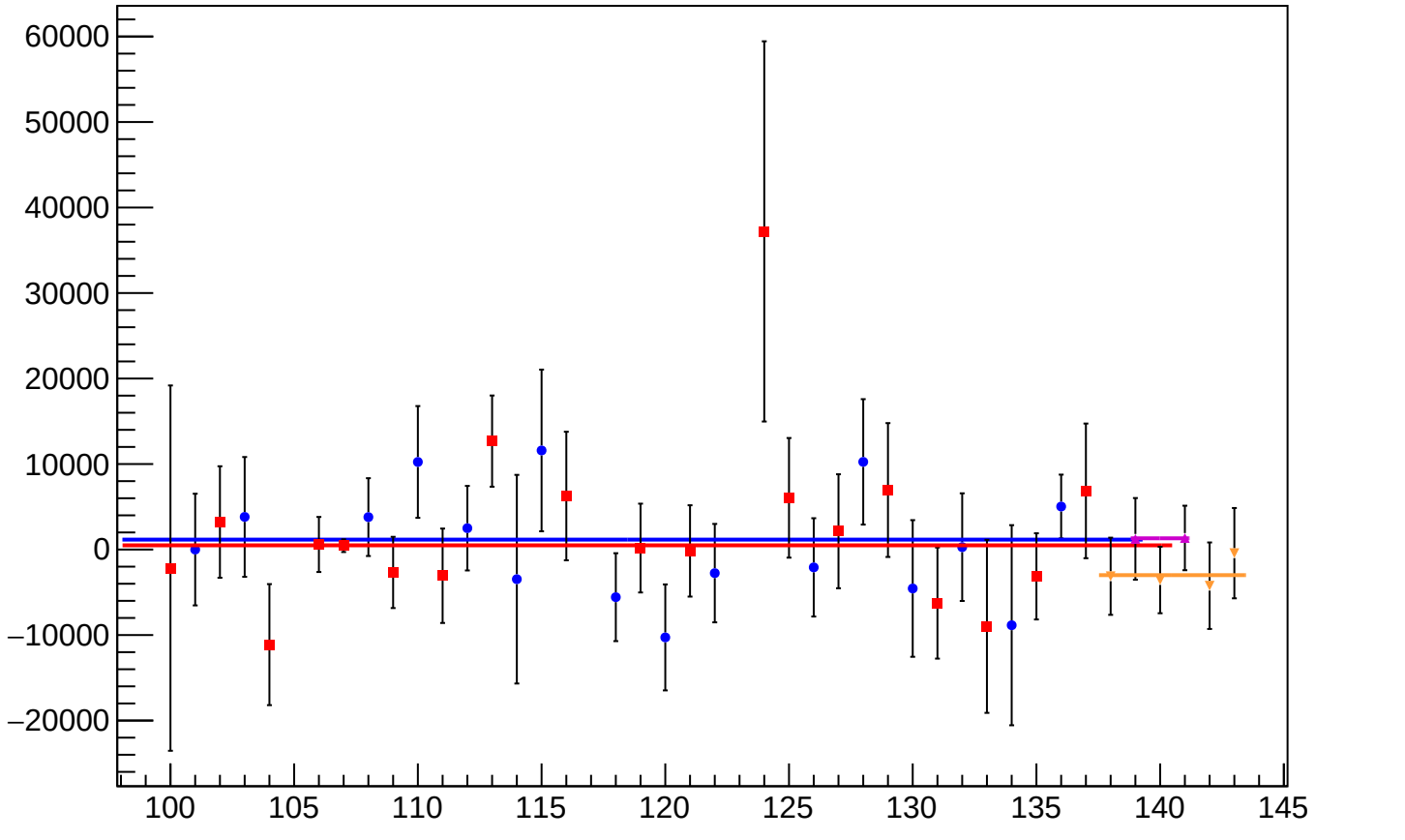
Left: 1711.092+/-0.566 χ^2/NDF: 82510.0/5

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1851.382+/-0.440 χ^2/NDF:261057.1/17

Out: 1807.580+/-0.404 χ^2/NDF:382991.7/22

All: 1827.589+/-0.297 χ^2/NDF: 649429.1/40



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -2994.049+/-2293.094 χ^2/NDF:0.3/3

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: 1314.229+/-2960.070 χ^2/NDF:0.0/1

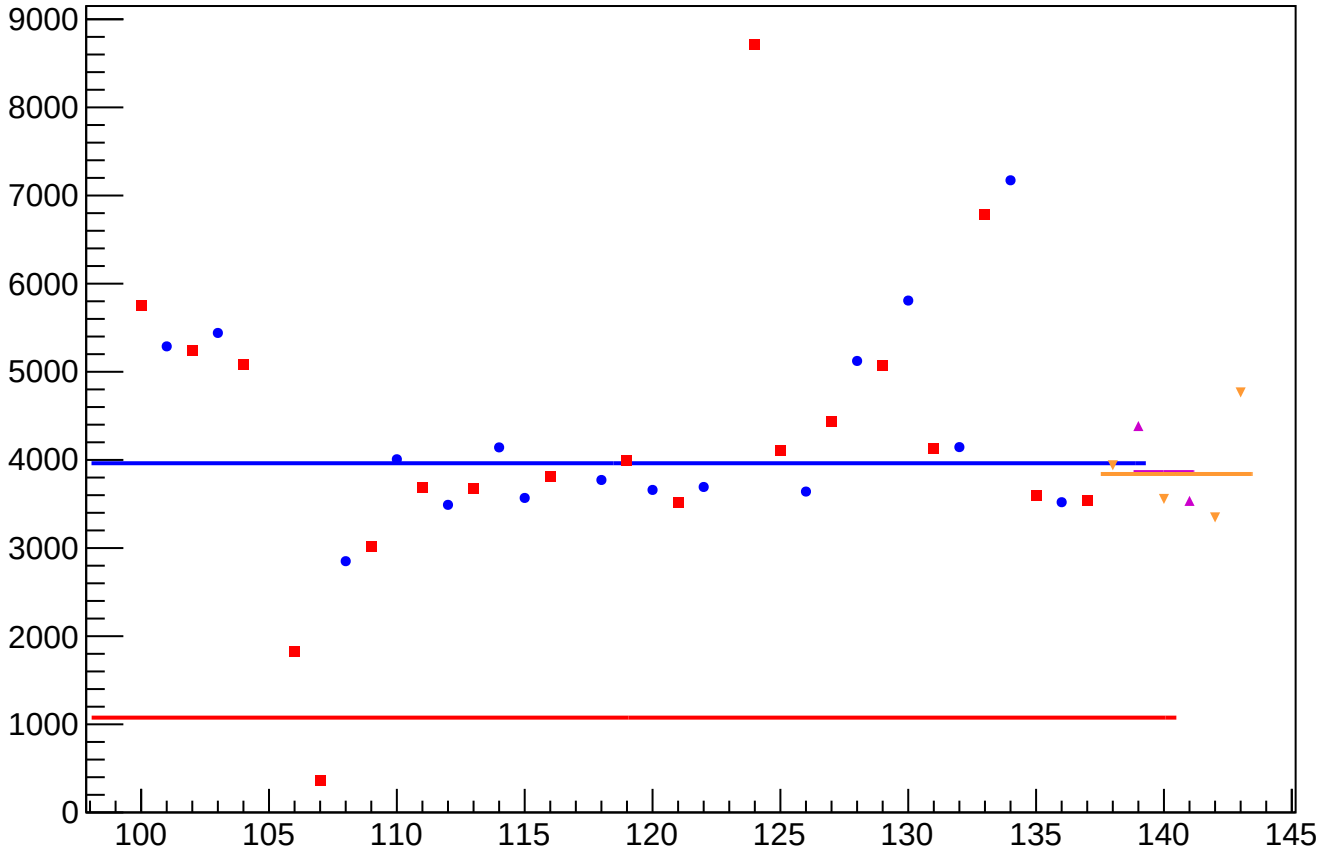
Left: -1378.239+/-1812.781 χ^2/NDF: 1.6/5

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 1192.812+/-1346.667 χ^2/NDF:13.7/17

Out: 227.255+/-632.929 χ^2/NDF:19.4/22

All: 401.954+/-572.817 χ^2/NDF: 33.5/40



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3840.476+/-1.621 χ^2/NDF:91925.6/3

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3861.937+/-2.093 χ^2/NDF:38962.1/1

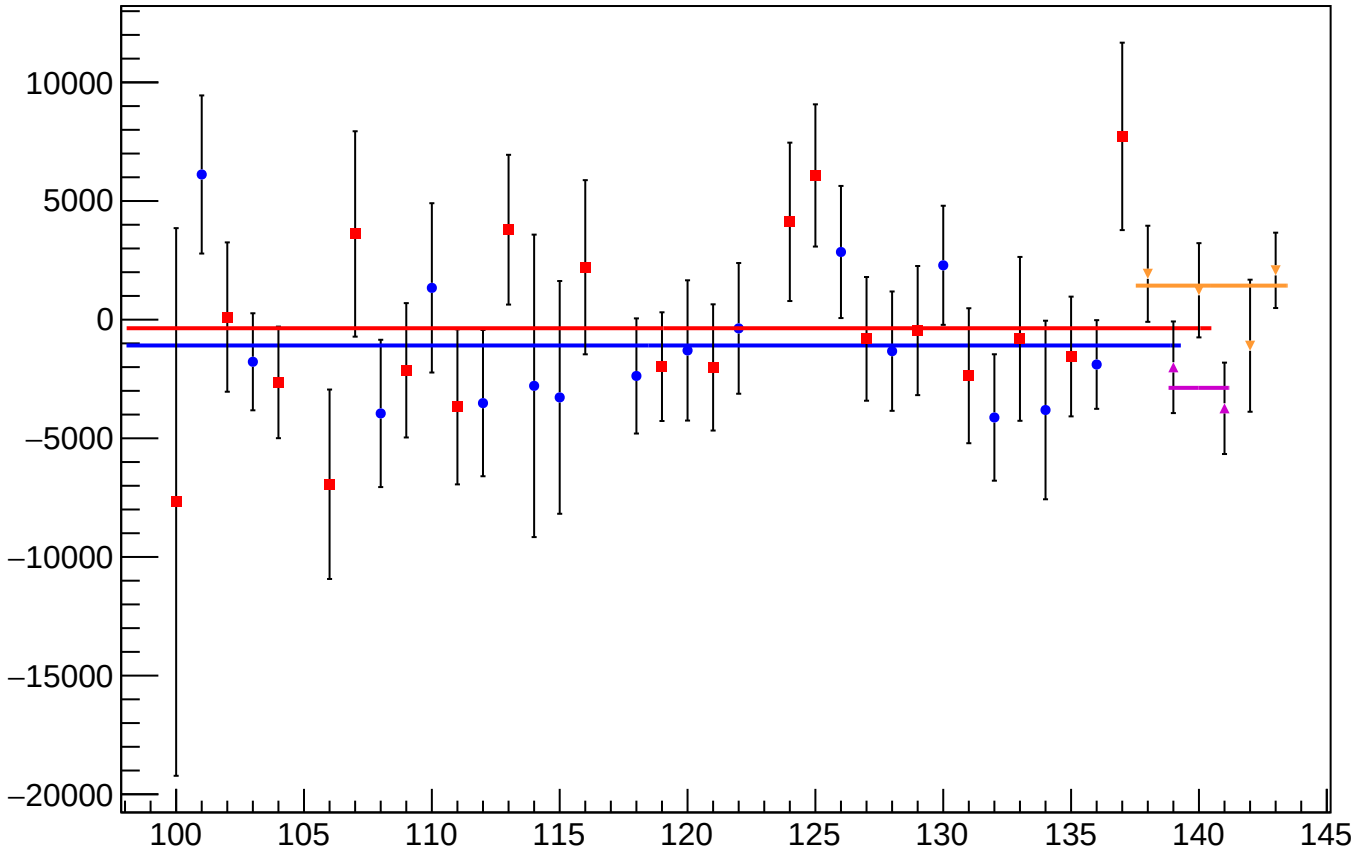
Left: 3848.525+/-1.282 χ^2/NDF: 130953.4/5

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3941.581+/-0.952 χ^2/NDF:709127.4/17

Out: 1286.571+/-0.448 χ^2/NDF:12335708.1/22

All: 1766.942+/-0.405 χ^2/NDF: 19412251.1/4



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1434.549+/-988.593 χ^2/NDF:1.1/3

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -2873.651+/-1363.460 χ^2/NDF:0.4/1

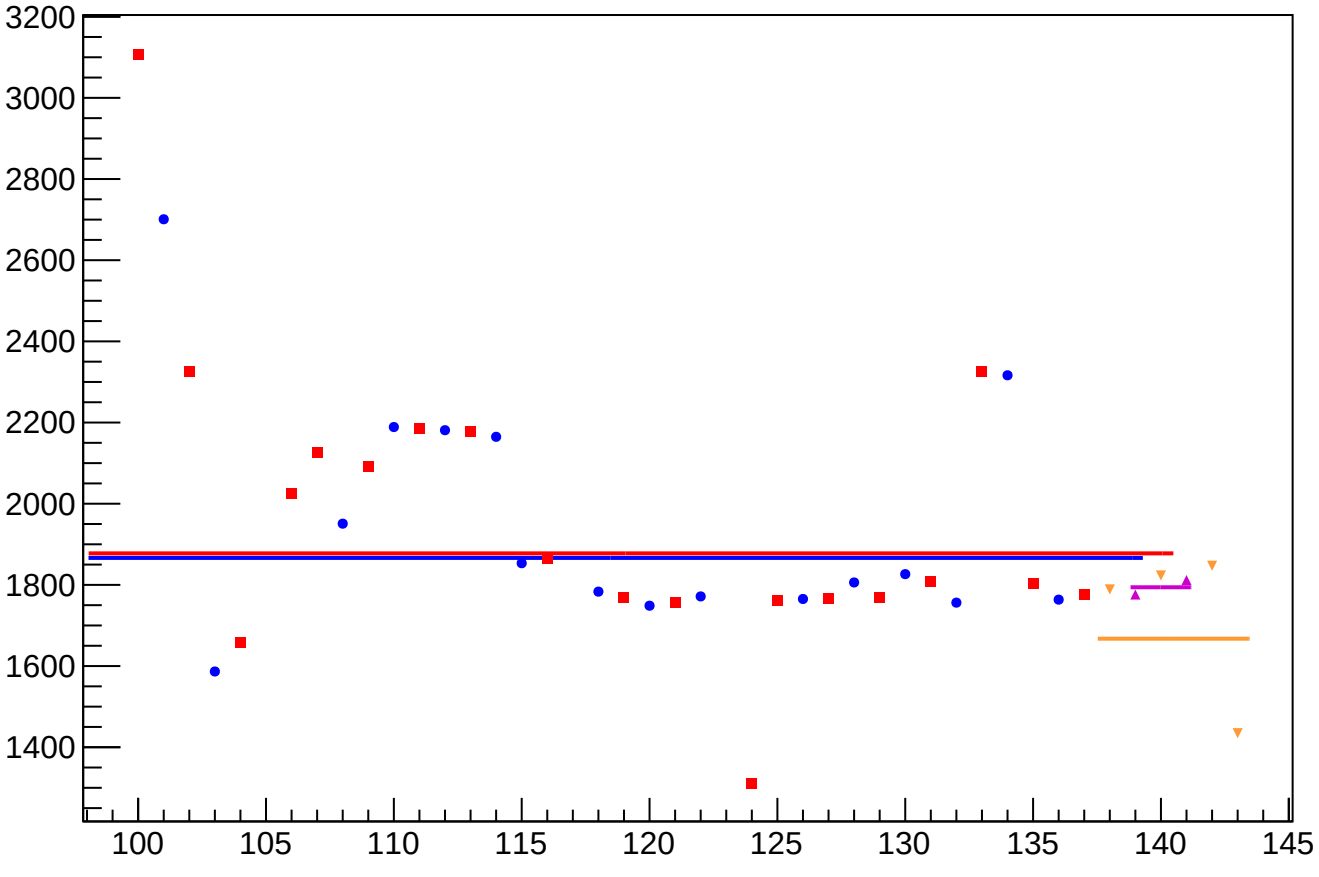
Left: -49.925+/-800.352 χ^2/NDF: 8.0/5

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1459.918+/-622.429 χ^2/NDF:14.9/17

Out: 238.080+/-571.104 χ^2/NDF:24.1/22

All: -538.035+/-420.808 χ^2/NDF: 43.1/40



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1667.442+/-0.699 χ^2/NDF:70852.9/3

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1794.126+/-0.964 χ^2/NDF:339.3/1

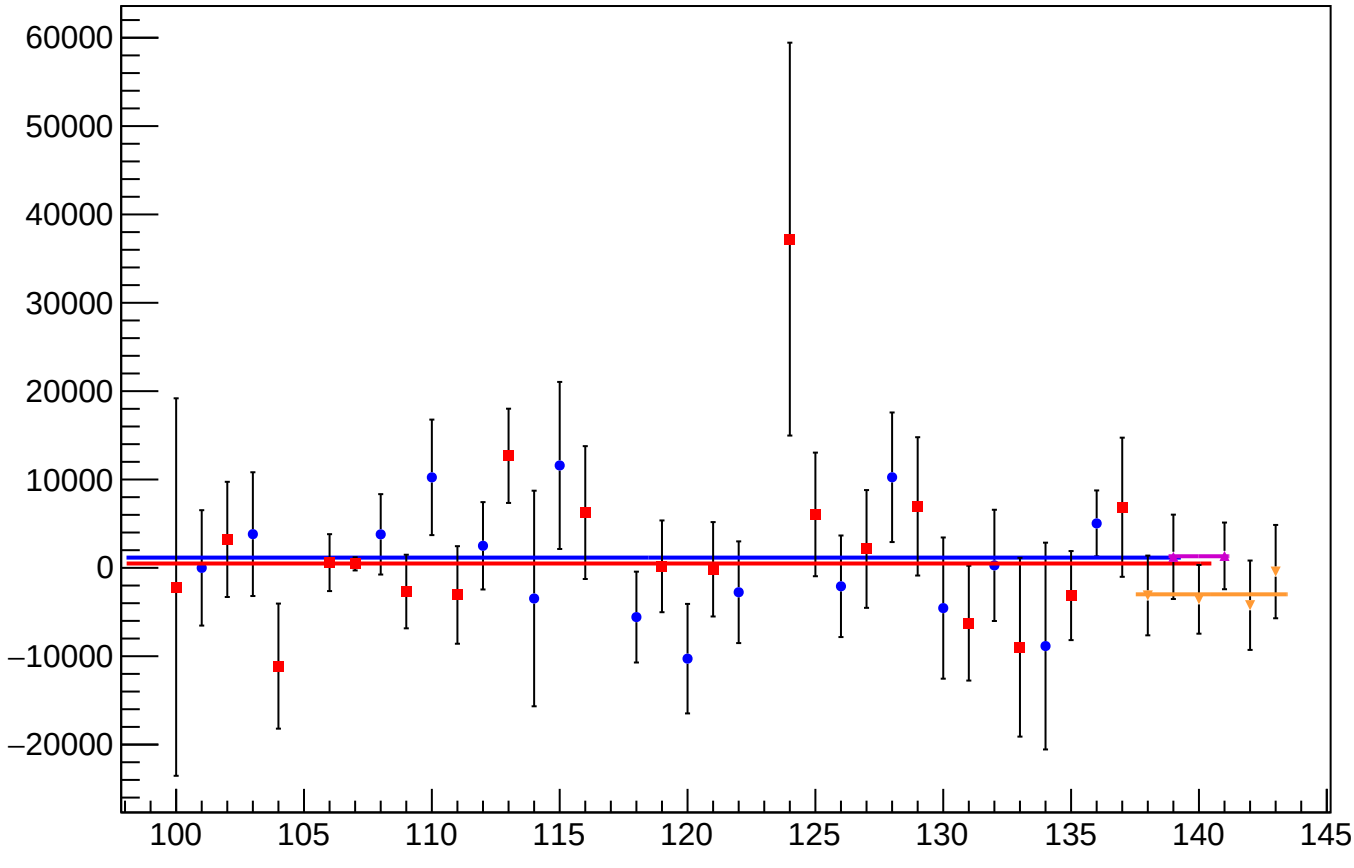
Left: 1711.093+/-0.566 χ^2/NDF: 82508.9/5

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1851.382+/-0.440 χ^2/NDF:261056.9/17

Out: 1807.580+/-0.404 χ^2/NDF:382990.3/22

All: 1827.589+/-0.297 χ^2/NDF: 649427.4/40



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -2994.058+/-2293.095 χ^2/NDF:0.3/3

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: -1378.239+/-1812.782 χ^2/NDF: 1.6/5

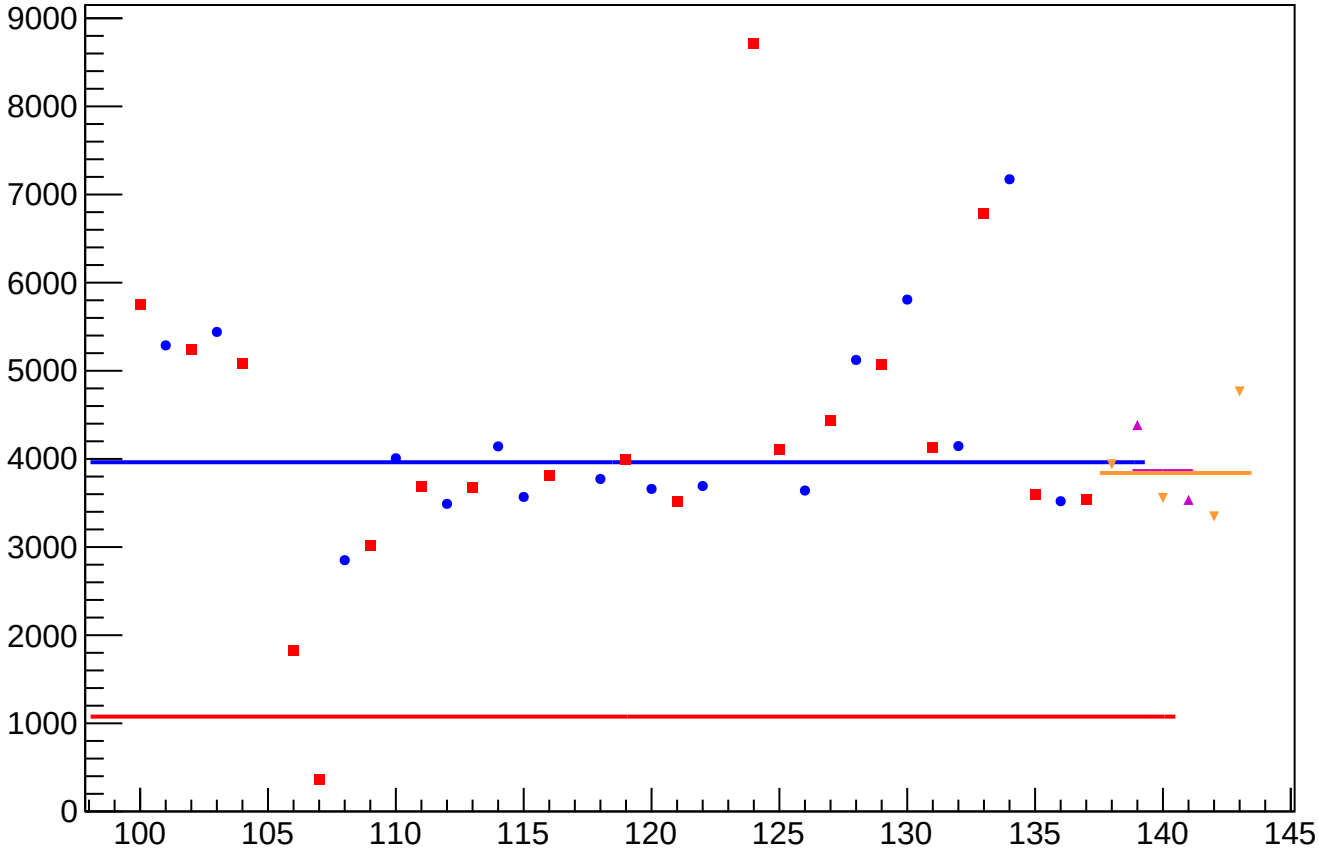
Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 1192.800+/-1346.665 χ^2/NDF:13.7/17

Out: 227.253+/-632.939 χ^2/NDF:19.4/22

All: 401.954+/-572.824 χ^2/NDF: 33.5/40

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3840.477+/-1.621 χ^2/NDF:91925.2/3

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: 3848.526+/-1.282 χ^2/NDF: 130953.9/5

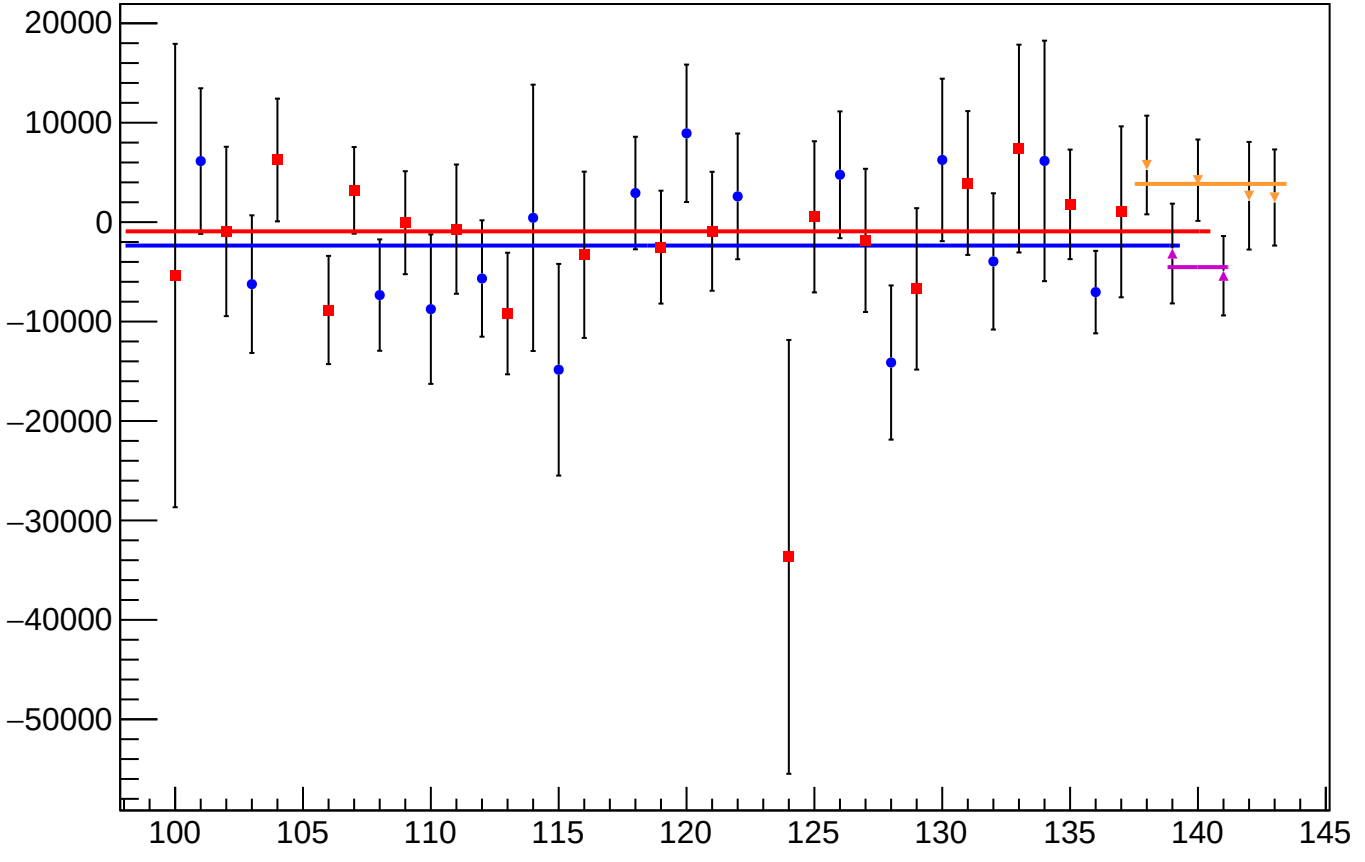
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3941.577+/-0.952 χ^2/NDF:709124.4/17

Out: 1286.605+/-0.448 χ^2/NDF:12335512.0/22

All: 1766.983+/-0.405 χ^2/NDF: 19411841.3/4

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 3847.908+/-2374.884 χ^2/NDF:0.3/3

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: 783.015+/-1890.844 χ^2/NDF: 5.0/5

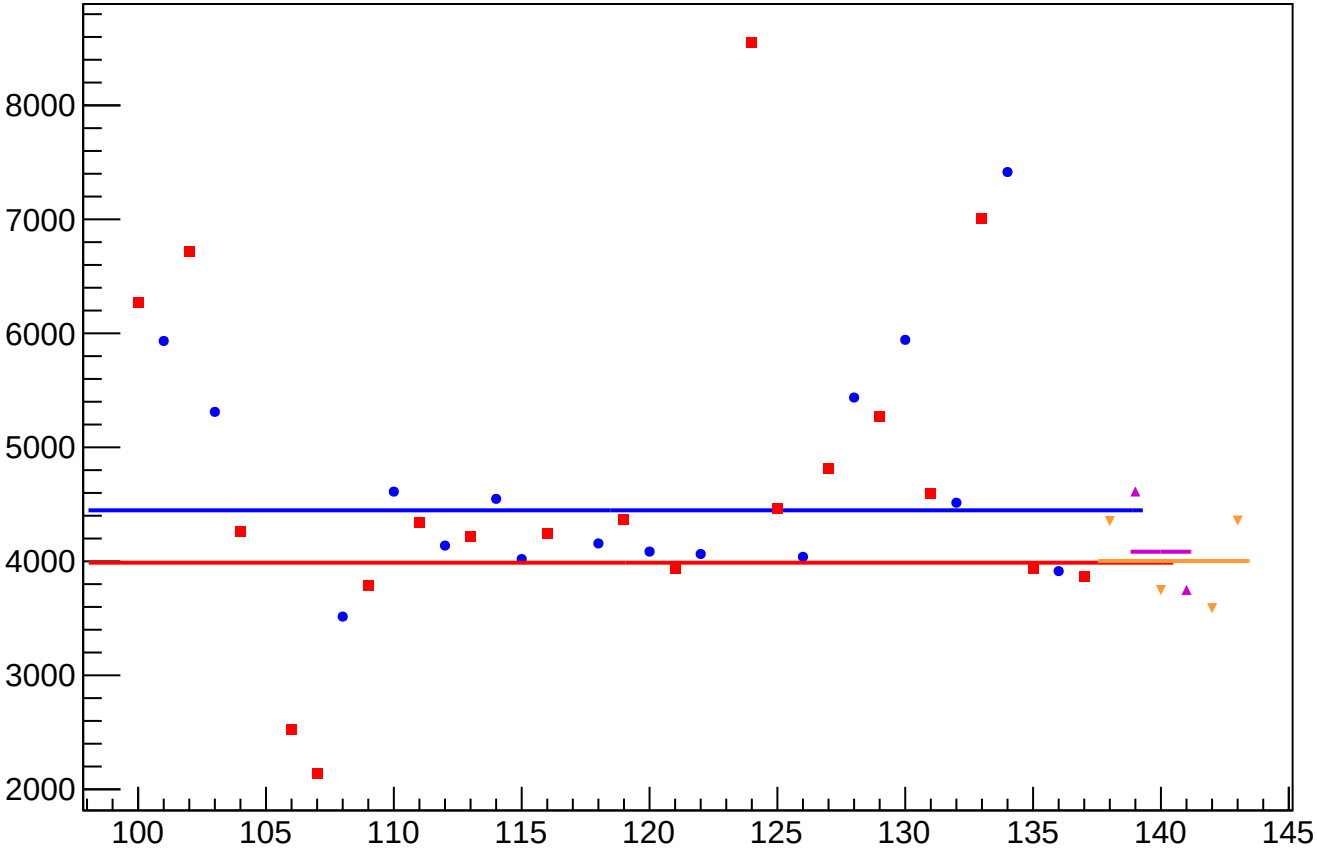
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -2843.340+/-1482.998 χ^2/NDF:16.0/17

Out: 496.835+/-1296.177 χ^2/NDF:13.7/22

All: -949.730+/-975.944 χ^2/NDF: 32.6/40

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4003.073+/-1.679 χ^2/NDF:40184.8/3

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4084.341+/-2.210 χ^2/NDF:36272.2/1

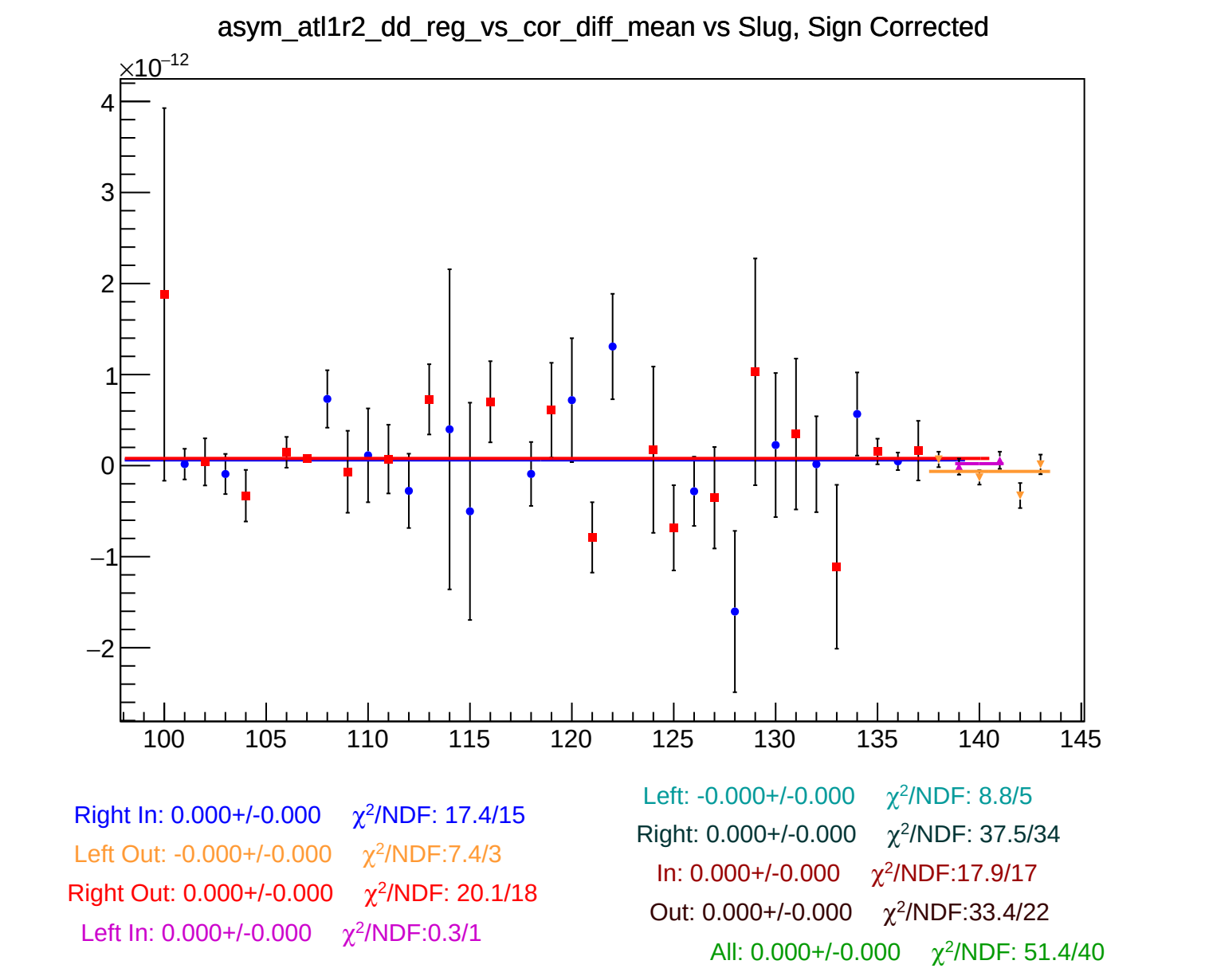
Left: 4032.825+/-1.337 χ^2/NDF: 77314.4/5

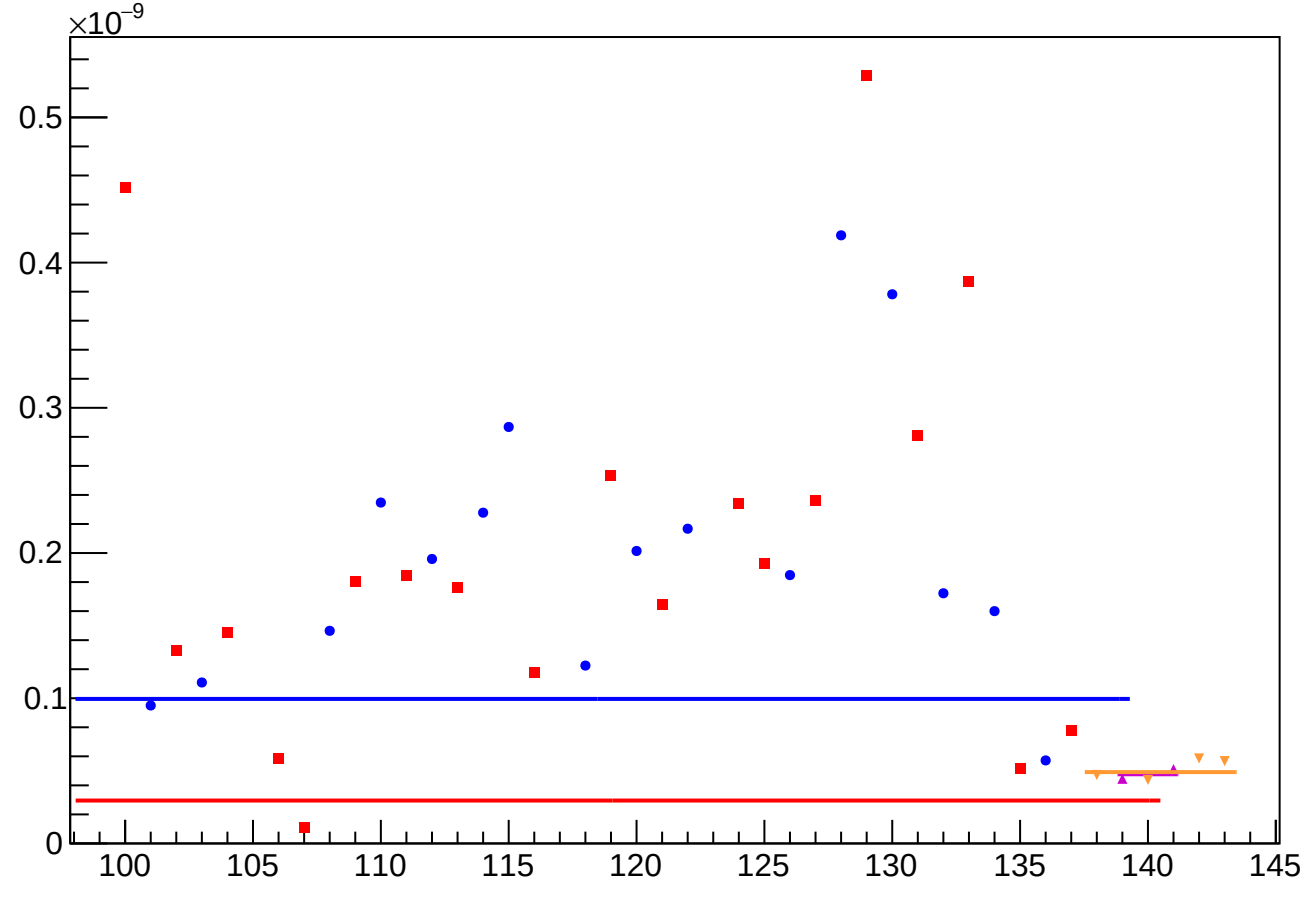
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4365.659+/-1.049 χ^2/NDF:515441.0/17

Out: 3992.603+/-0.910 χ^2/NDF:1184172.2/22

All: 4152.882+/-0.687 χ^2/NDF: 1771798.3/40


asym_atl1r2_dd_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
145
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:7.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.3/1
Left: -0.000+/-0.000 χ²/NDF: 8.8/5
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:17.9/17
Out: 0.000+/-0.000 χ²/NDF:33.4/22
All: 0.000+/-0.000 χ²/NDF: 51.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:29681.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5303.6/1

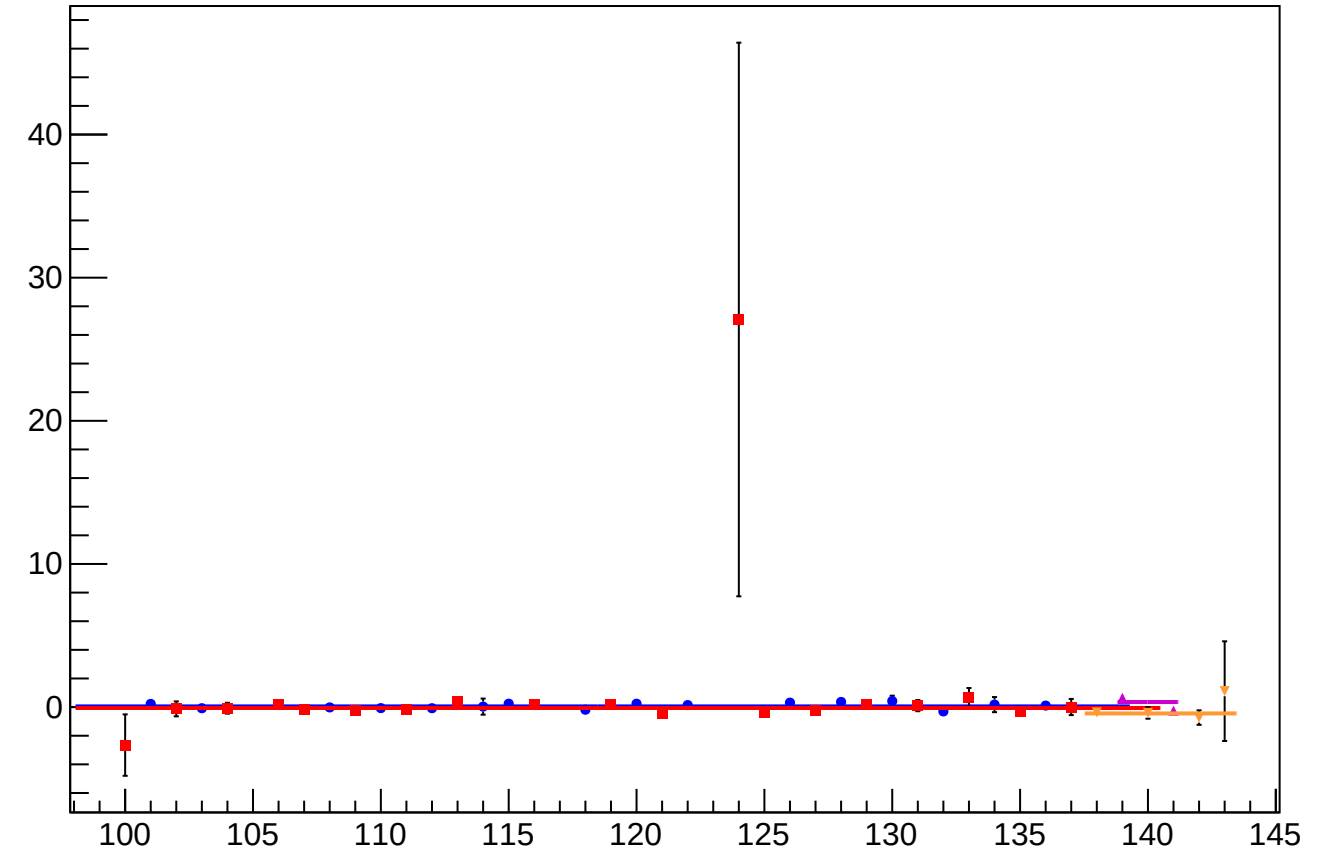
Left: 0.000+/-0.000 χ^2/NDF: 35670.2/5

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:4620381.4/22

All: 0.000+/-0.000 χ^2/NDF: 7693512.2/40



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.354+/-0.196 χ^2/NDF:4.7/1

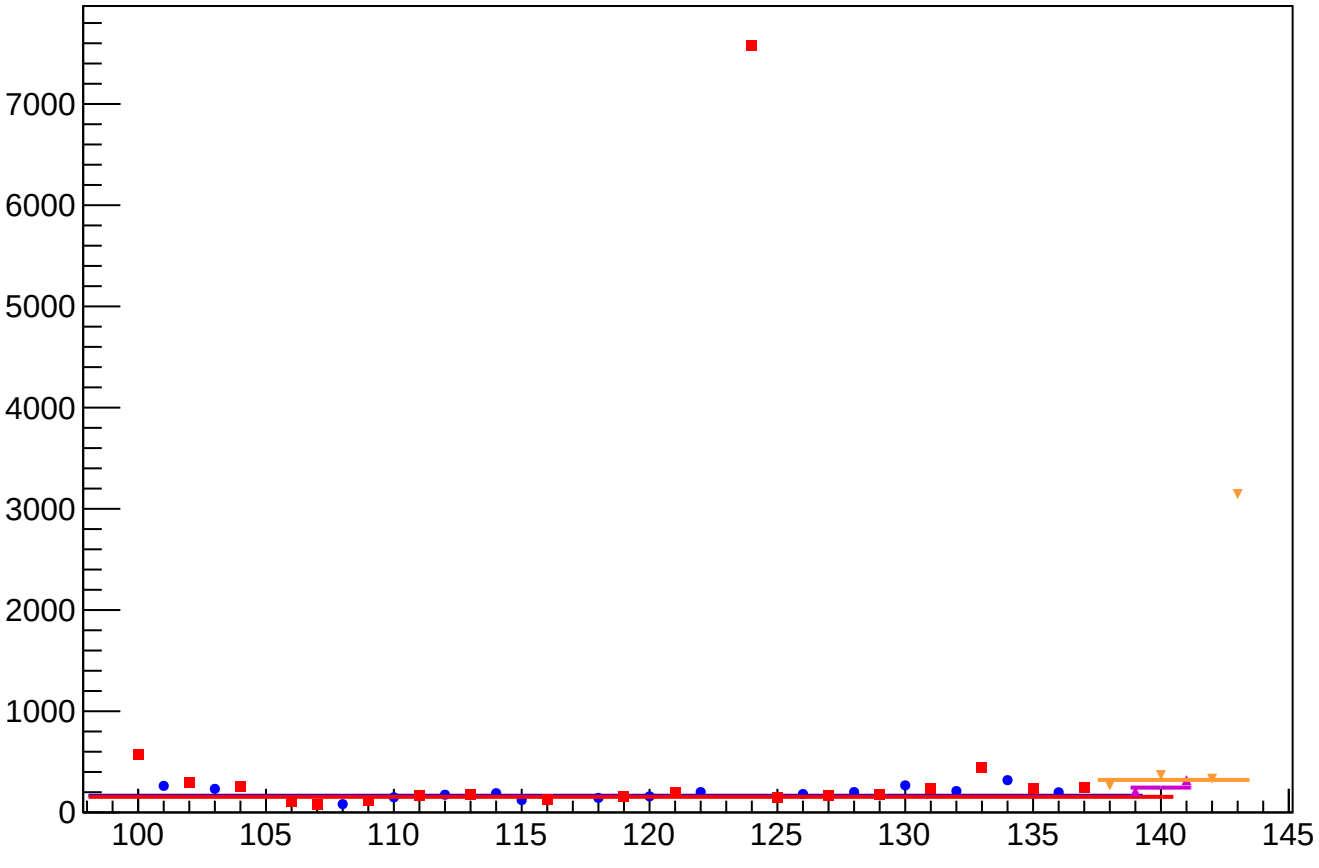
Left: 0.005+/-0.147 χ^2/NDF: 12.5/5

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.007+/-0.044 χ^2/NDF: 39.9/40



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 321.655+/-0.157 χ^2/NDF:1404572.8/3

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: 278.934+/-0.104 χ^2/NDF: 1675832.5/5

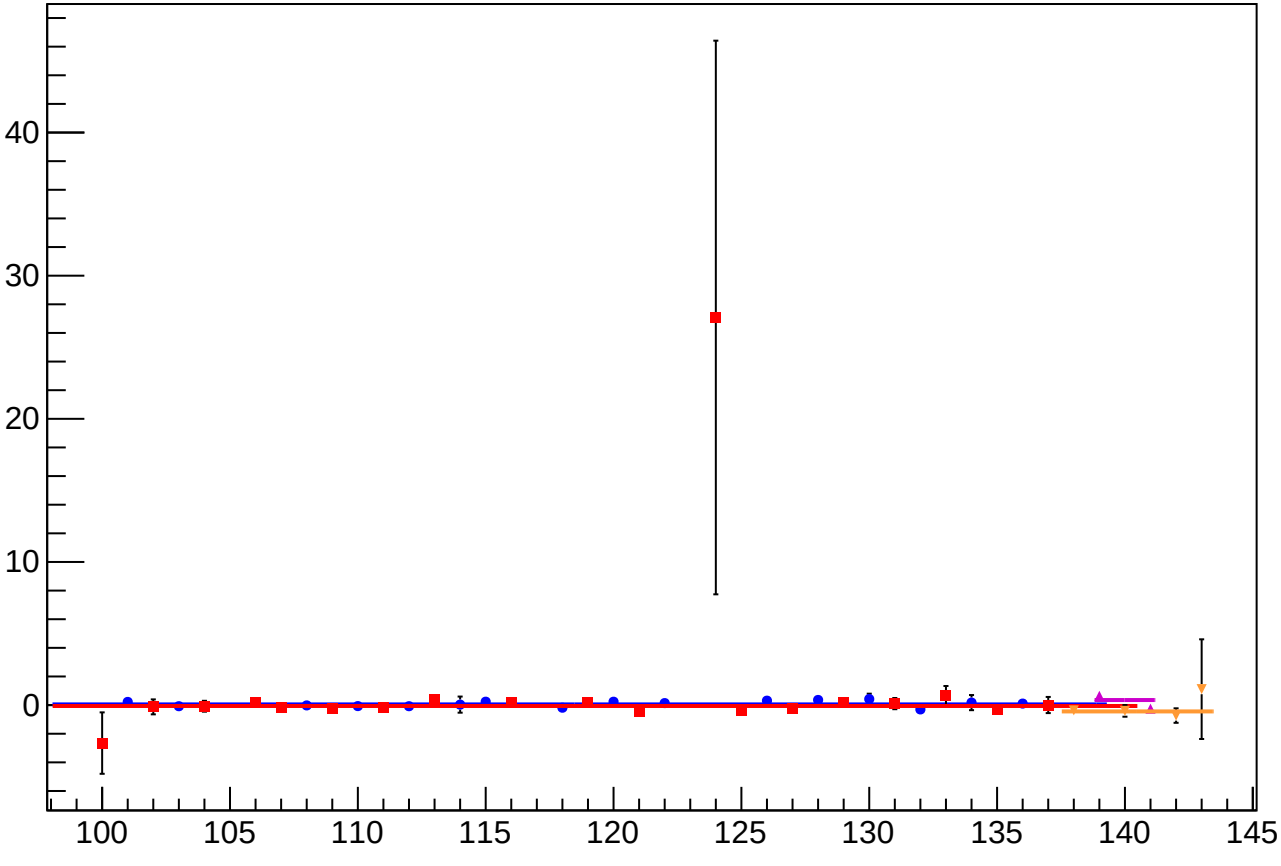
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 173.179+/-0.044 χ^2/NDF:1917772.0/17

Out: 167.422+/-0.044 χ^2/NDF:4377135.3/22

All: 170.252+/-0.031 χ^2/NDF: 6303426.3/40

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: -0.442+/-0.222 χ^2/NDF:0.6/3

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: 0.005+/-0.147 χ^2/NDF: 12.5/5

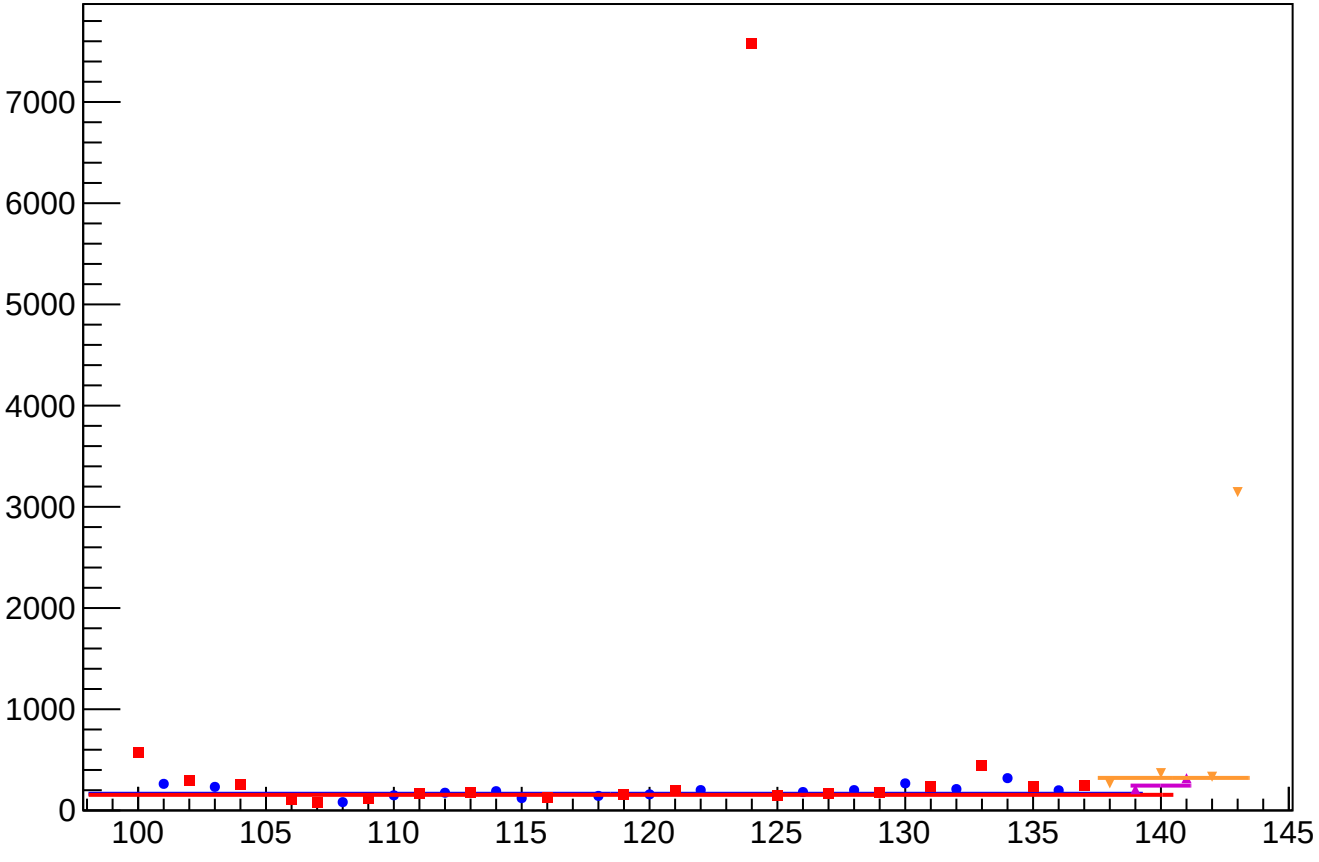
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.007+/-0.044 χ^2/NDF: 39.9/40

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: 321.655+/-0.157 χ^2/NDF:1404572.8/3

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 245.538+/-0.139 χ^2/NDF:138754.4/1

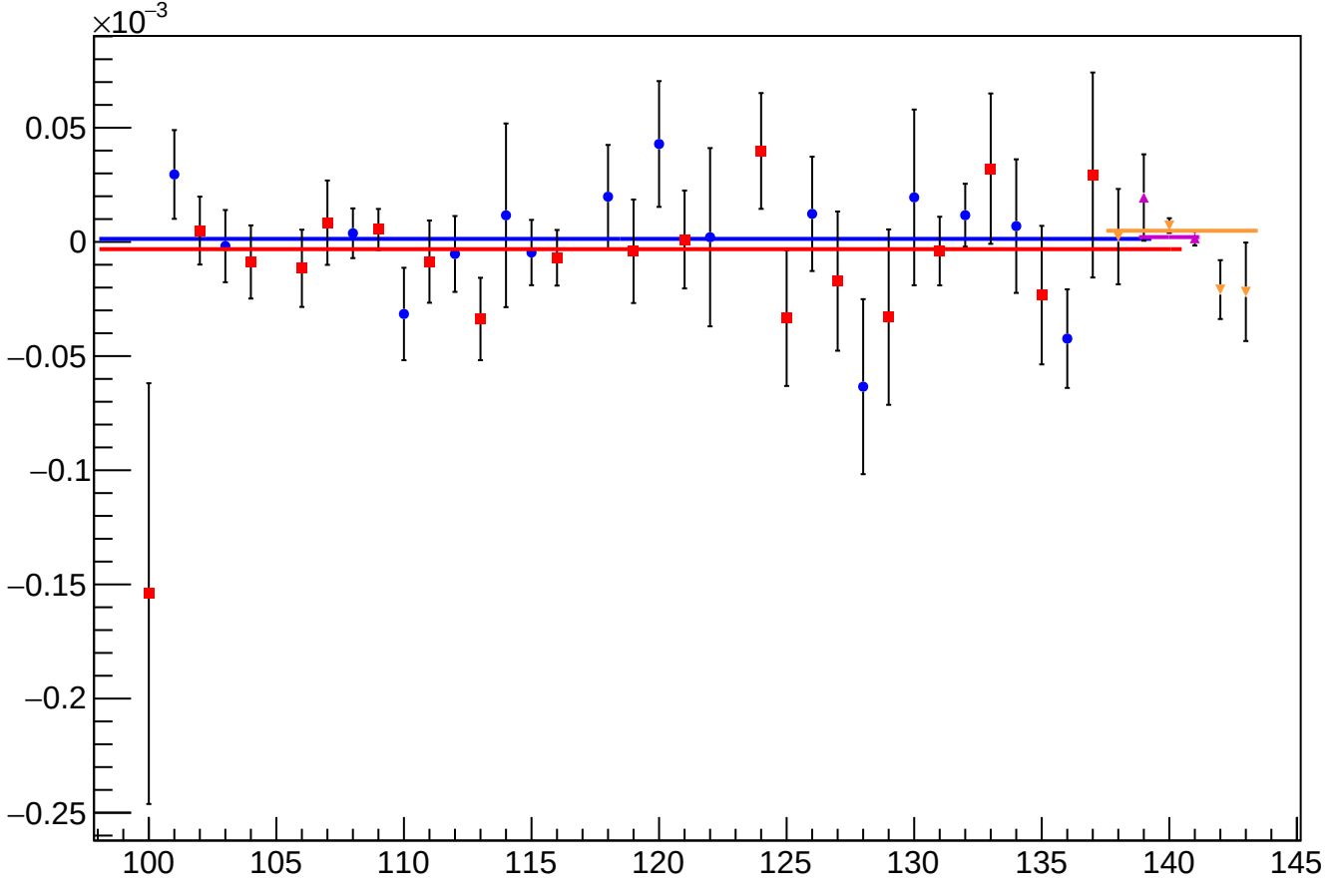
Left: 278.934+/-0.104 χ^2/NDF: 1675832.5/5

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 173.179+/-0.044 χ^2/NDF:1917772.0/17

Out: 167.422+/-0.044 χ^2/NDF:4377135.3/22

All: 170.252+/-0.031 χ^2/NDF: 6303426.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

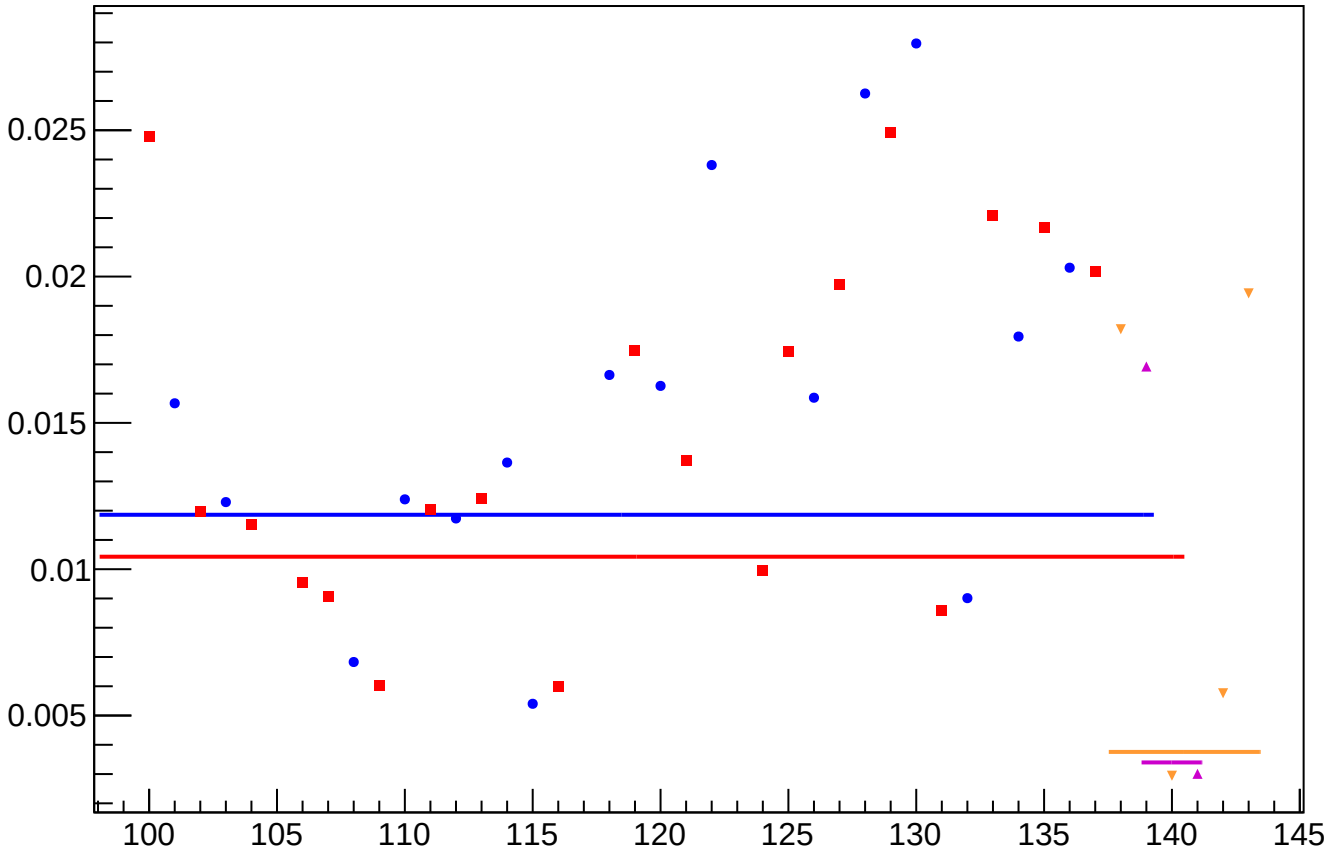
Left: 0.000+/-0.000 χ^2/NDF: 7.3/5

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:23.0/22

All: 0.000+/-0.000 χ^2/NDF: 40.1/40



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2189965.1/3

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.003+/-0.000 χ^2/NDF:1052547.9/1

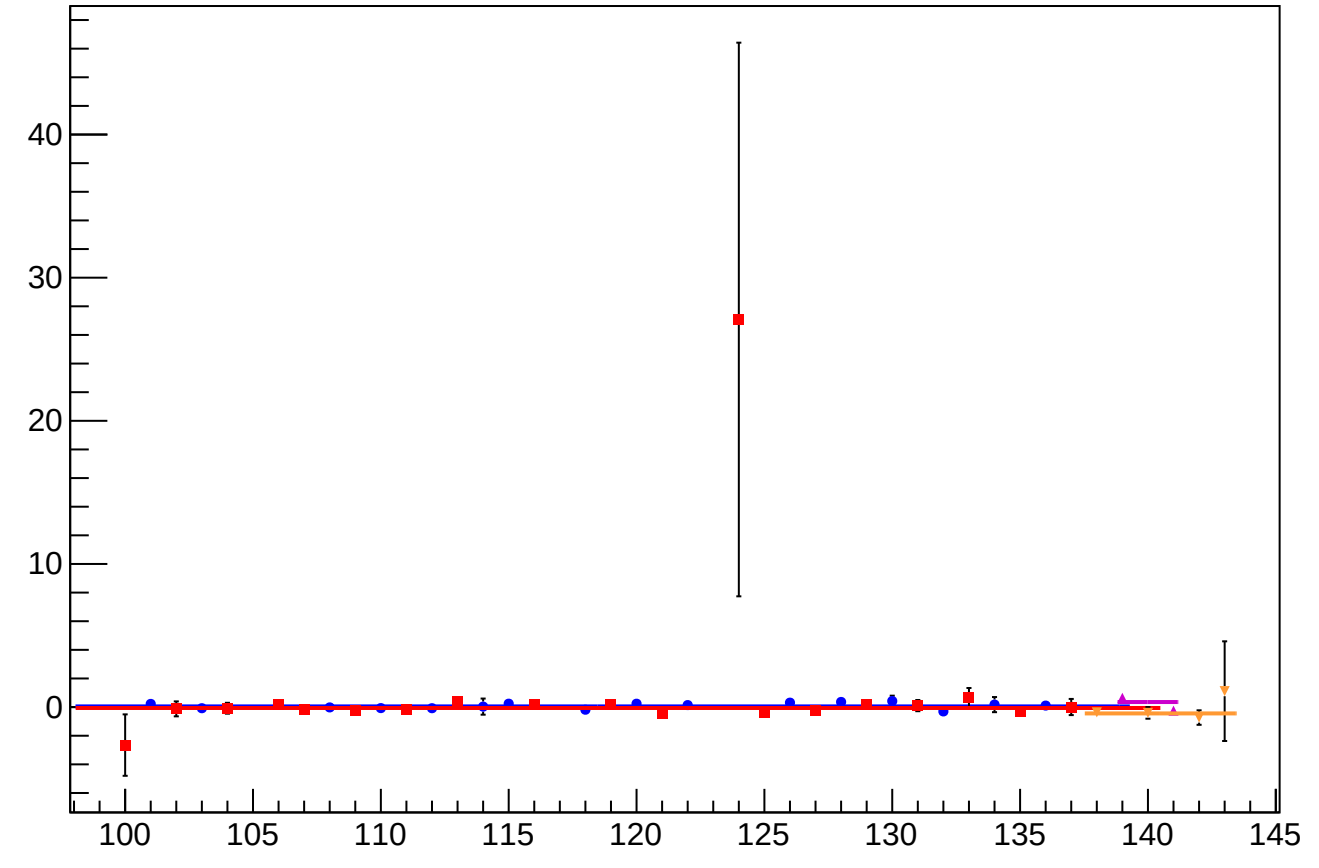
Left: 0.004+/-0.000 χ^2/NDF: 3255909.0/5

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:7808156.5/22

All: 0.006+/-0.000 χ^2/NDF: 15516248.0/40



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.442+/-0.222 χ^2/NDF:0.6/3

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: 0.005+/-0.147 χ^2/NDF: 12.5/5

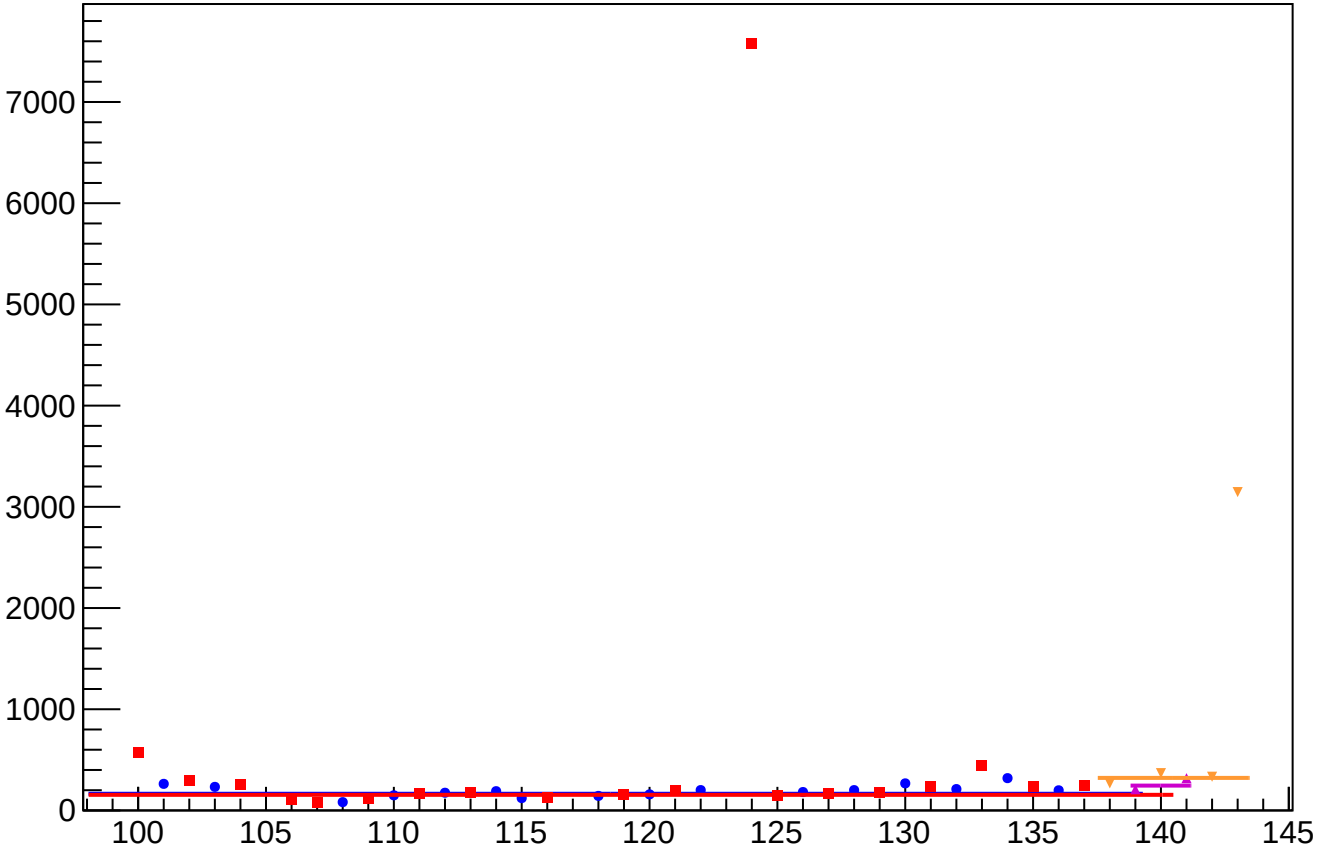
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.007+/-0.044 χ^2/NDF: 39.9/40

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: 321.658+/-0.157 χ^2/NDF:1404558.1/3

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: 278.937+/-0.104 χ^2/NDF: 1675809.0/5

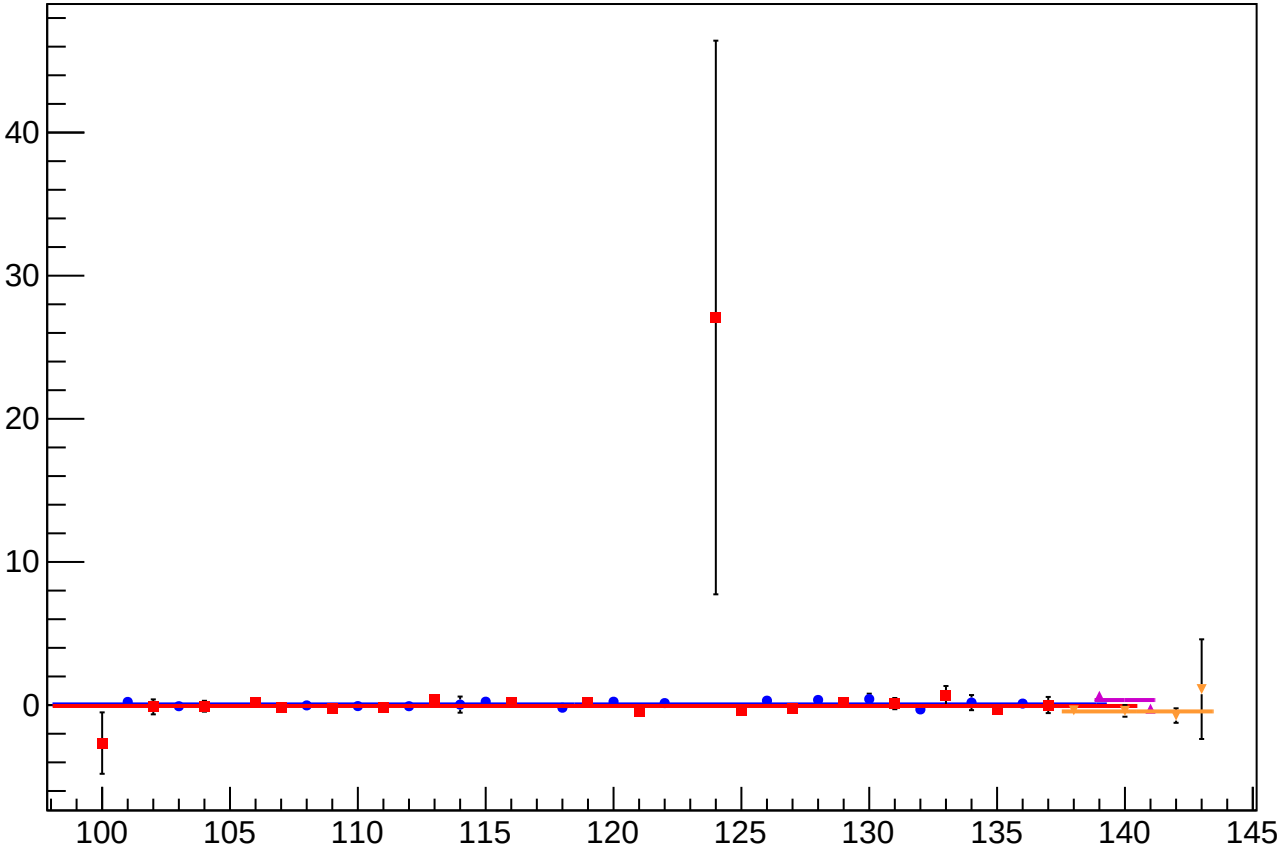
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 173.179+/-0.044 χ^2/NDF:1917750.0/17

Out: 167.422+/-0.044 χ^2/NDF:4377175.1/22

All: 170.252+/-0.031 χ^2/NDF: 6303444.4/40

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: -0.442+/-0.222 χ^2/NDF:0.6/3

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: 0.005+/-0.147 χ^2/NDF: 12.5/5

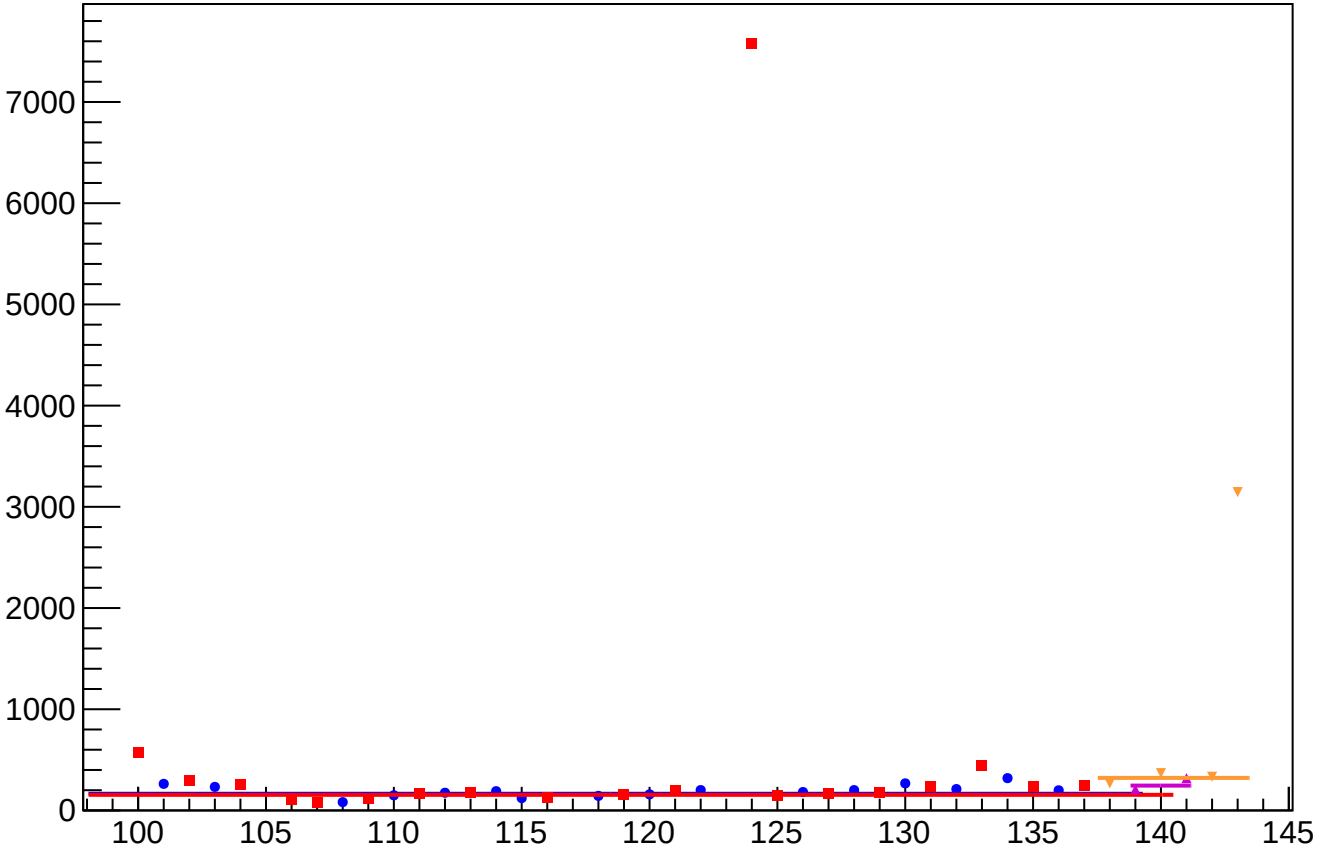
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.080+/-0.063 χ^2/NDF:14.5/17

Out: -0.091+/-0.062 χ^2/NDF:21.7/22

All: -0.007+/-0.044 χ^2/NDF: 39.9/40

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: 321.658+/-0.157 χ^2/NDF:1404558.1/3

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 245.540+/-0.139 χ^2/NDF:138743.7/1

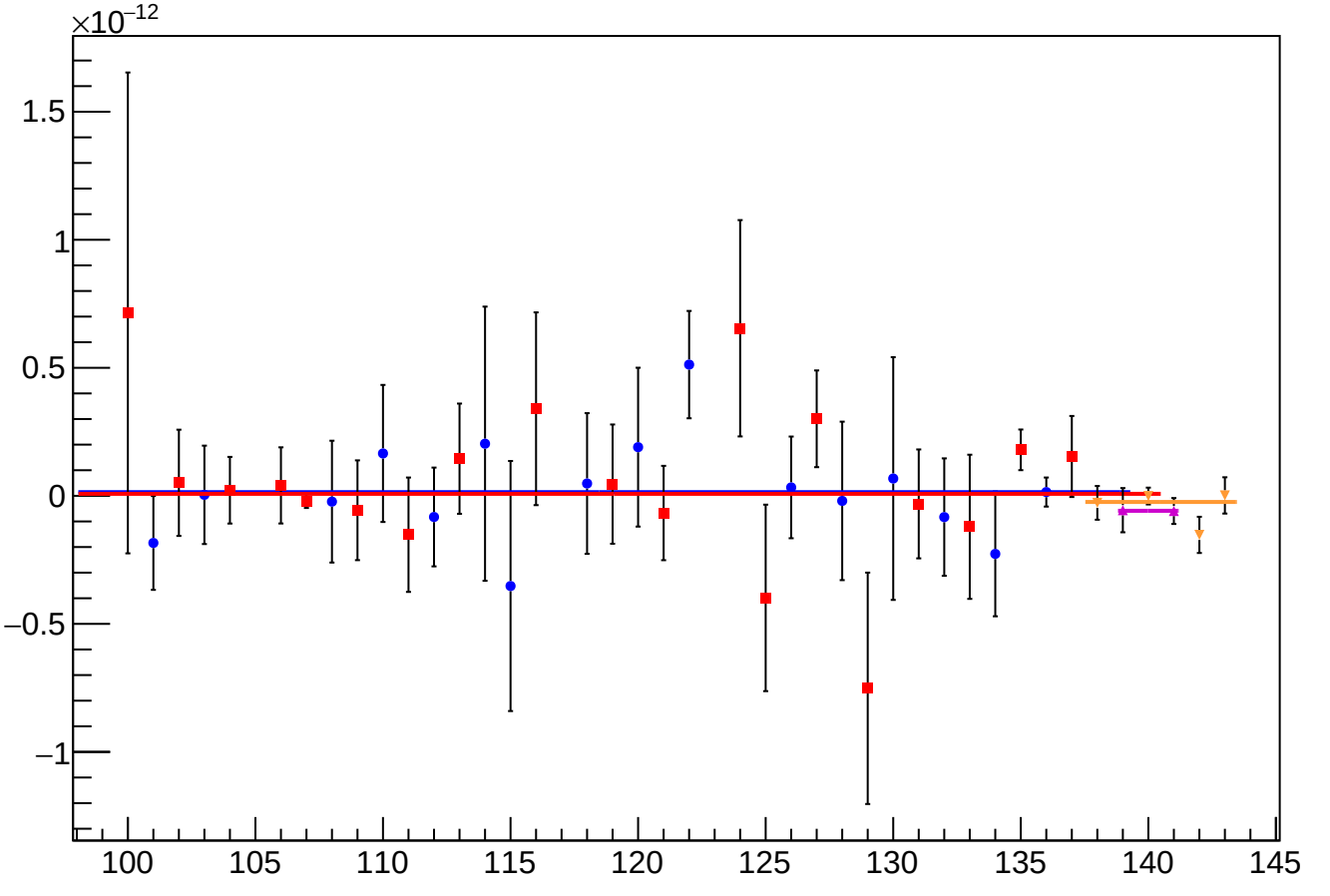
Left: 278.937+/-0.104 χ^2/NDF: 1675809.0/5

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 173.179+/-0.044 χ^2/NDF:1917750.0/17

Out: 167.422+/-0.044 χ^2/NDF:4377175.1/22

All: 170.252+/-0.031 χ^2/NDF: 6303444.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

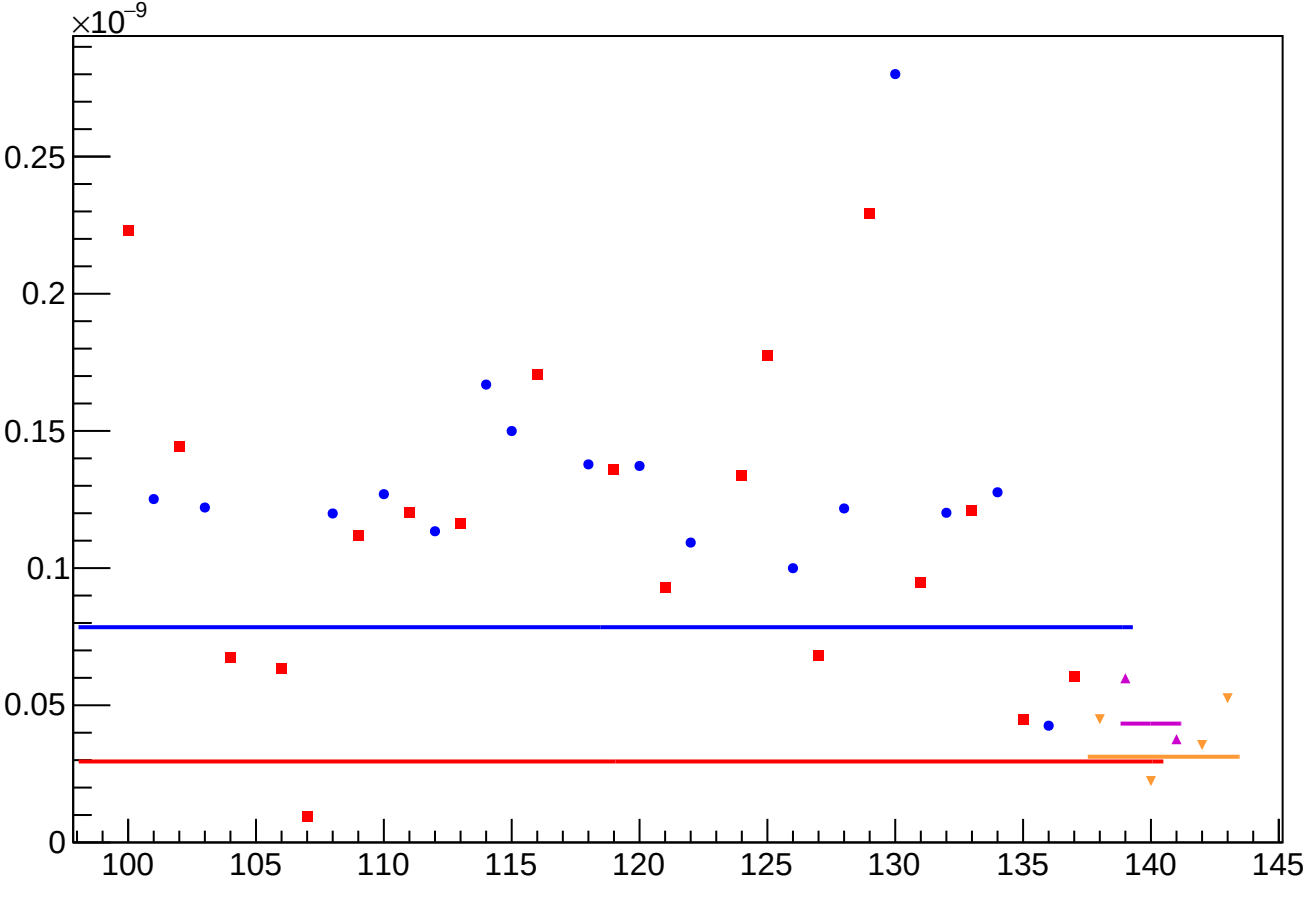
Left: -0.000+/-0.000 χ^2/NDF: 4.4/5

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:23.2/22

All: -0.000+/-0.000 χ^2/NDF: 34.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:420574.8/3

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: 633593.1/5

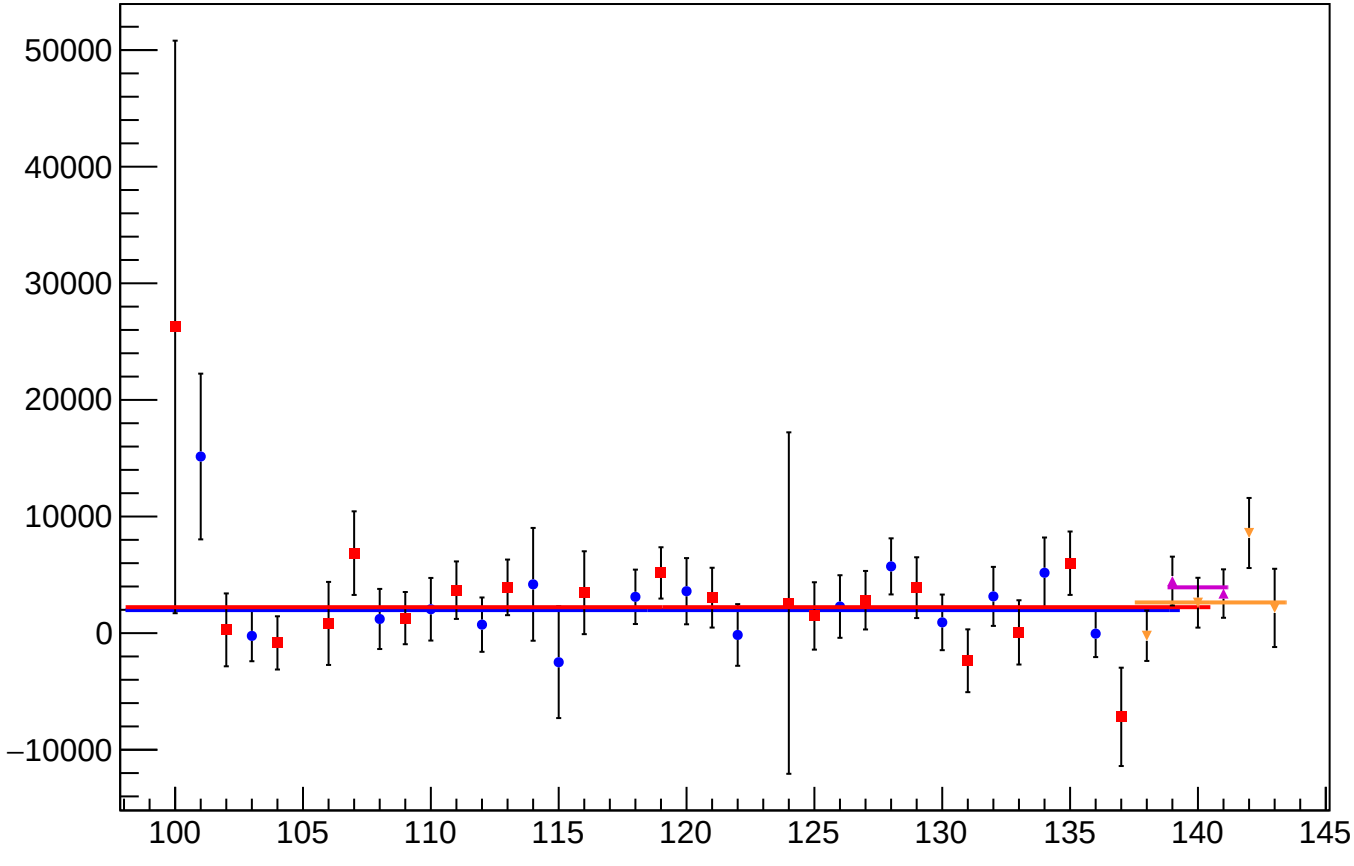
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:2868440.5/17

Out: 0.000+/-0.000 χ^2/NDF:5913026.3/22

All: 0.000+/-0.000 χ^2/NDF: 10374754.1/40

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.498+/-1256.859 χ^2/NDF:5.7/3

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3927.864+/-1473.880 χ^2/NDF:0.1/1

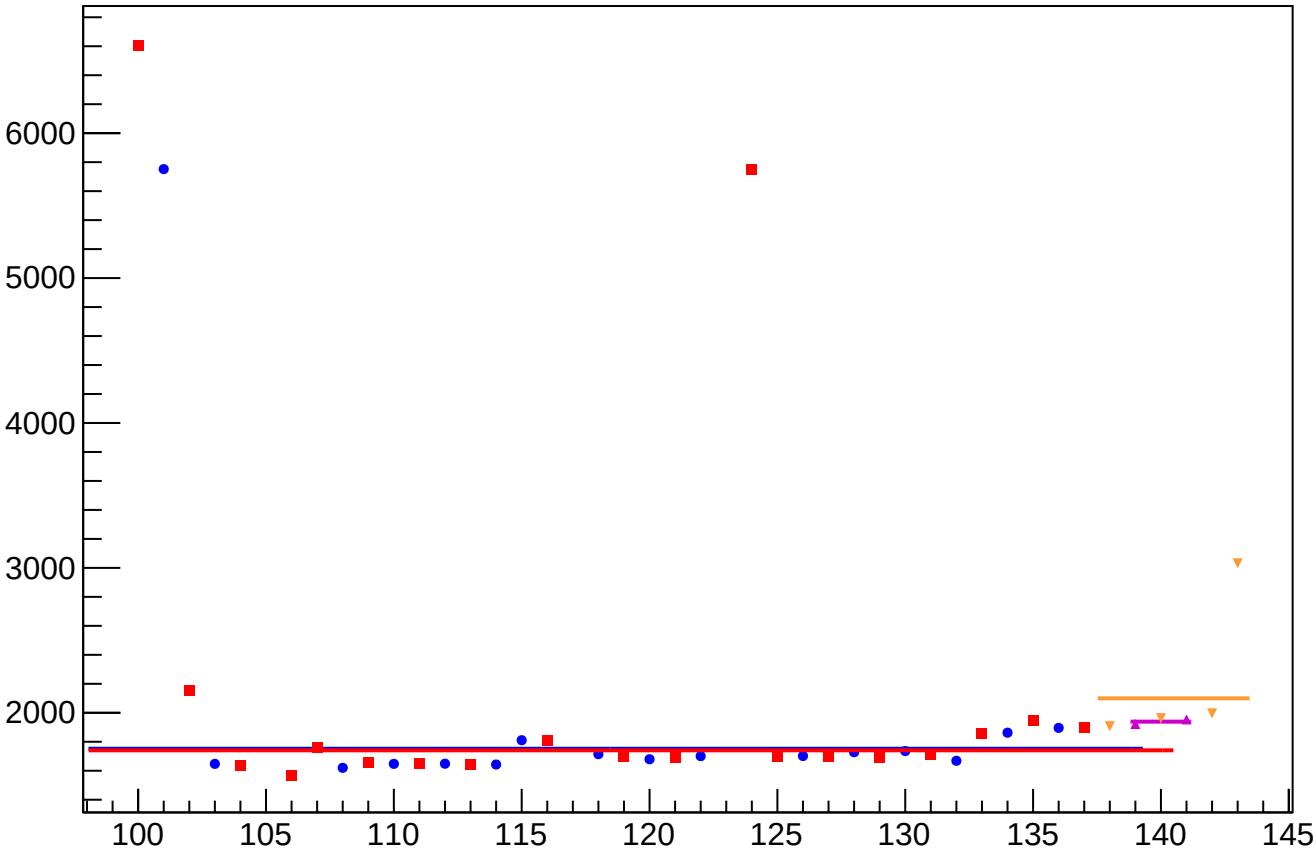
Left: 3177.880+/-956.349 χ^2/NDF: 6.3/5

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2308.623+/-608.208 χ^2/NDF:13.7/17

Out: 2313.223+/-581.752 χ^2/NDF:24.8/22

All: 2311.025+/-420.402 χ^2/NDF: 38.5/40



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

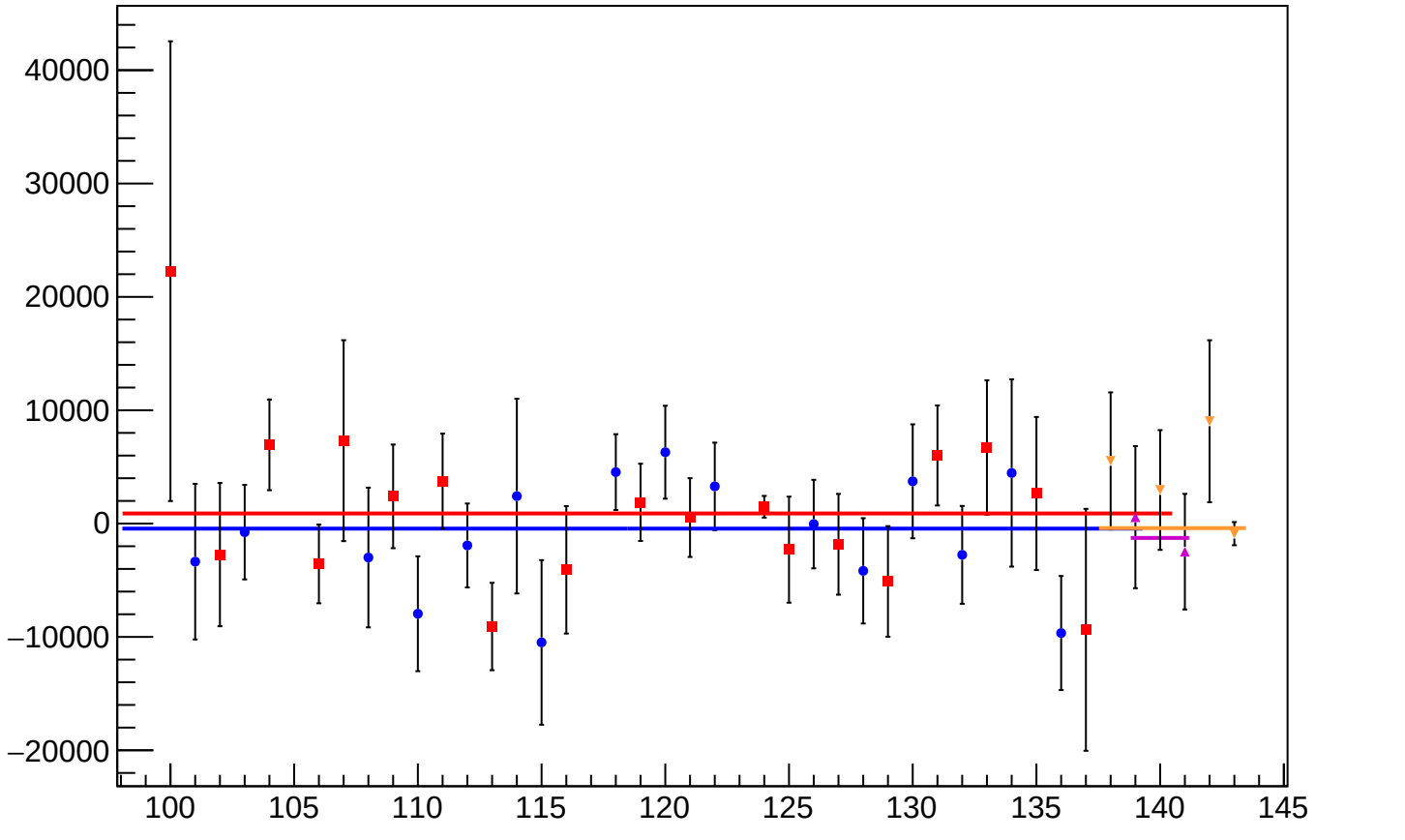
Left: 2031.940+/-0.676 χ^2/NDF: 194726.5/5

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1783.485+/-0.430 χ^2/NDF:697655.3/17

Out: 1816.994+/-0.409 χ^2/NDF:613696.2/22

All: 1801.081+/-0.296 χ^2/NDF: 1314539.3/40



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -400.099+/-980.853 χ^2/NDF:3.3/3

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: -1265.437+/-3955.222 χ^2/NDF:0.1/1

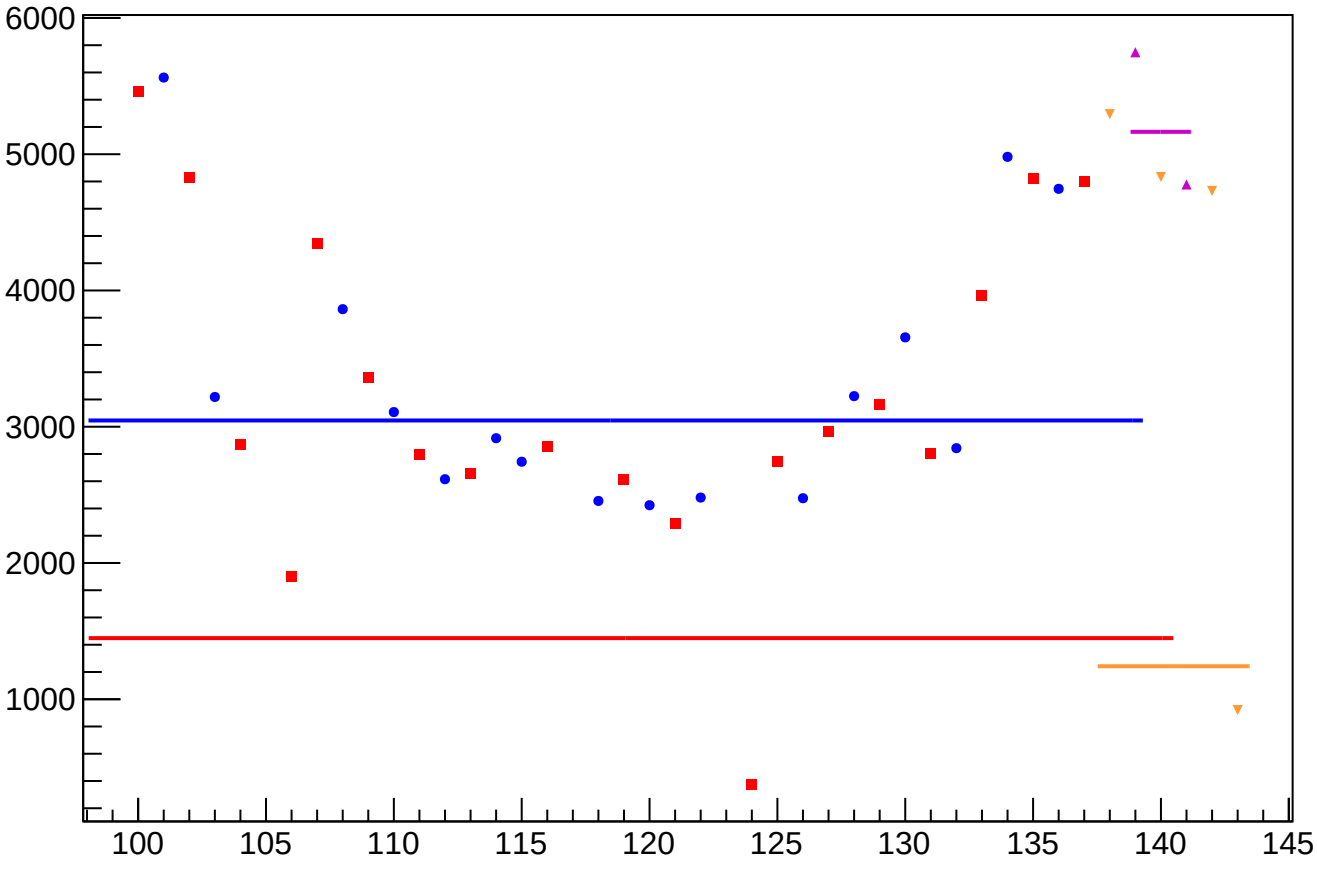
Left: -450.233+/-952.016 χ^2/NDF: 3.5/5

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -510.810+/-1125.862 χ^2/NDF:16.1/17

Out: 435.036+/-583.405 χ^2/NDF:24.5/22

All: 234.823+/-517.991 χ^2/NDF: 41.2/40



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1242.089+/-0.694 χ^2/NDF:2496696.8/3

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: 1469.328+/-0.673 χ^2/NDF: 4378378.7/5

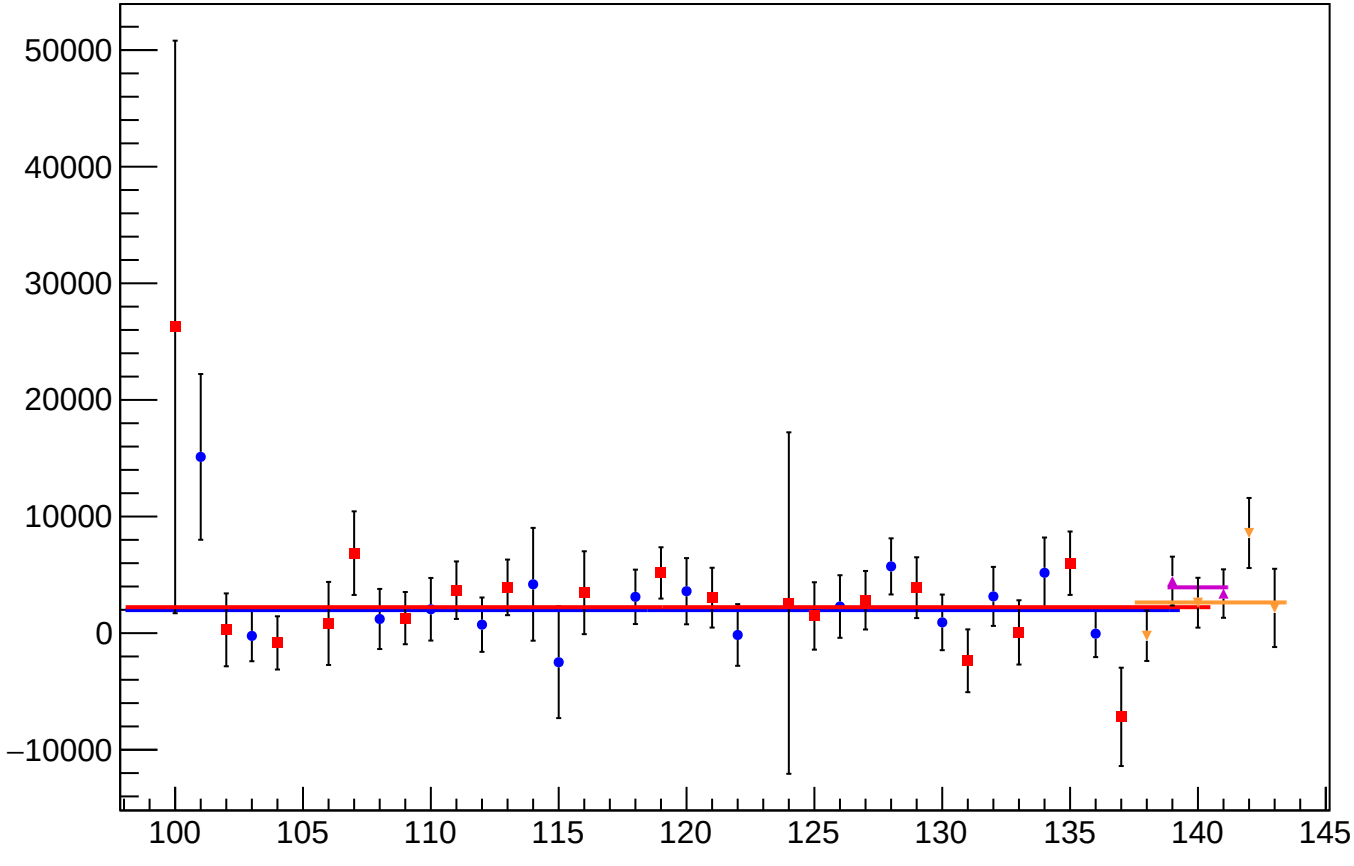
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3217.566+/-0.796 χ^2/NDF:1463473.8/17

Out: 1375.489+/-0.413 χ^2/NDF:9340869.1/22

All: 1765.414+/-0.366 χ^2/NDF: 15024992.0/4

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.741+/-1256.859 χ^2/NDF:5.7/3

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3928.008+/-1473.880 χ^2/NDF:0.1/1

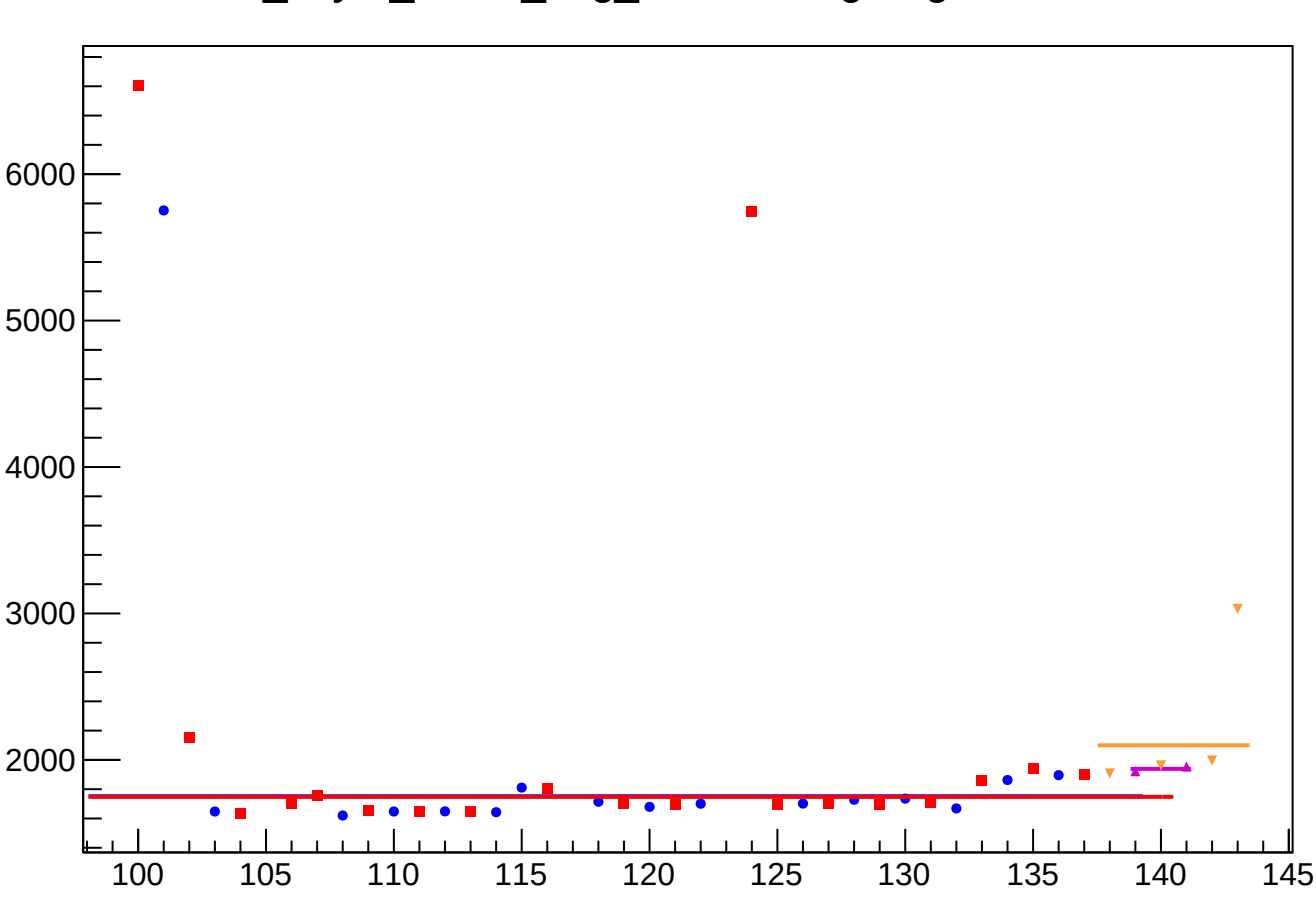
Left: 3178.082+/-956.349 χ^2/NDF: 6.3/5

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2308.355+/-608.208 χ^2/NDF:13.7/17

Out: 2313.351+/-581.752 χ^2/NDF:24.8/22

All: 2310.964+/-420.402 χ^2/NDF: 38.4/40



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

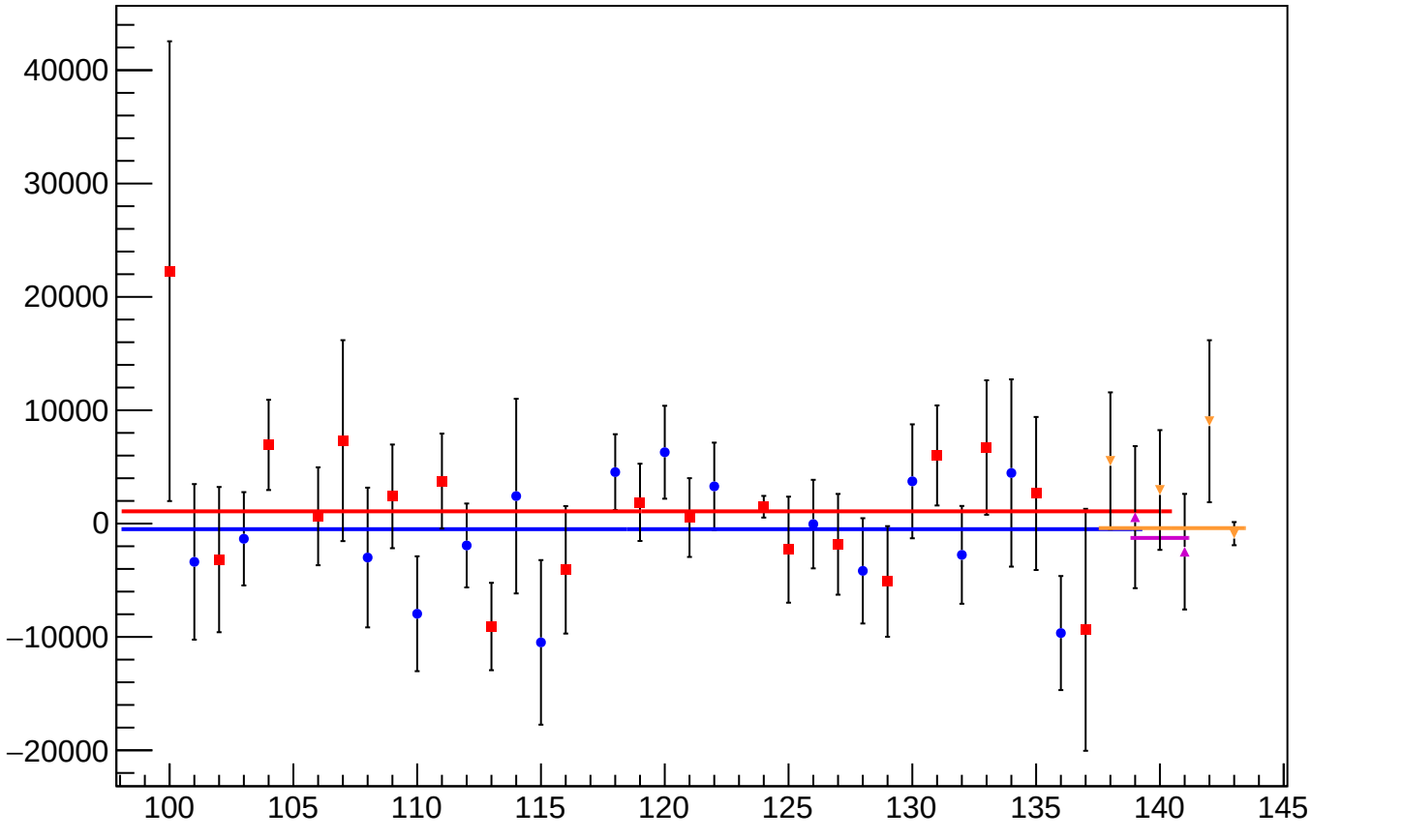
Left: 2031.940+/-0.676 χ^2/NDF: 194726.5/5

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1783.485+/-0.430 χ^2/NDF:697655.6/17

Out: 1822.729+/-0.410 χ^2/NDF:601993.6/22

All: 1804.037+/-0.297 χ^2/NDF: 1304009.9/40



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -399.840+/-980.816 χ^2/NDF:3.3/3

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1265.611+/-3955.219 χ^2/NDF:0.1/1

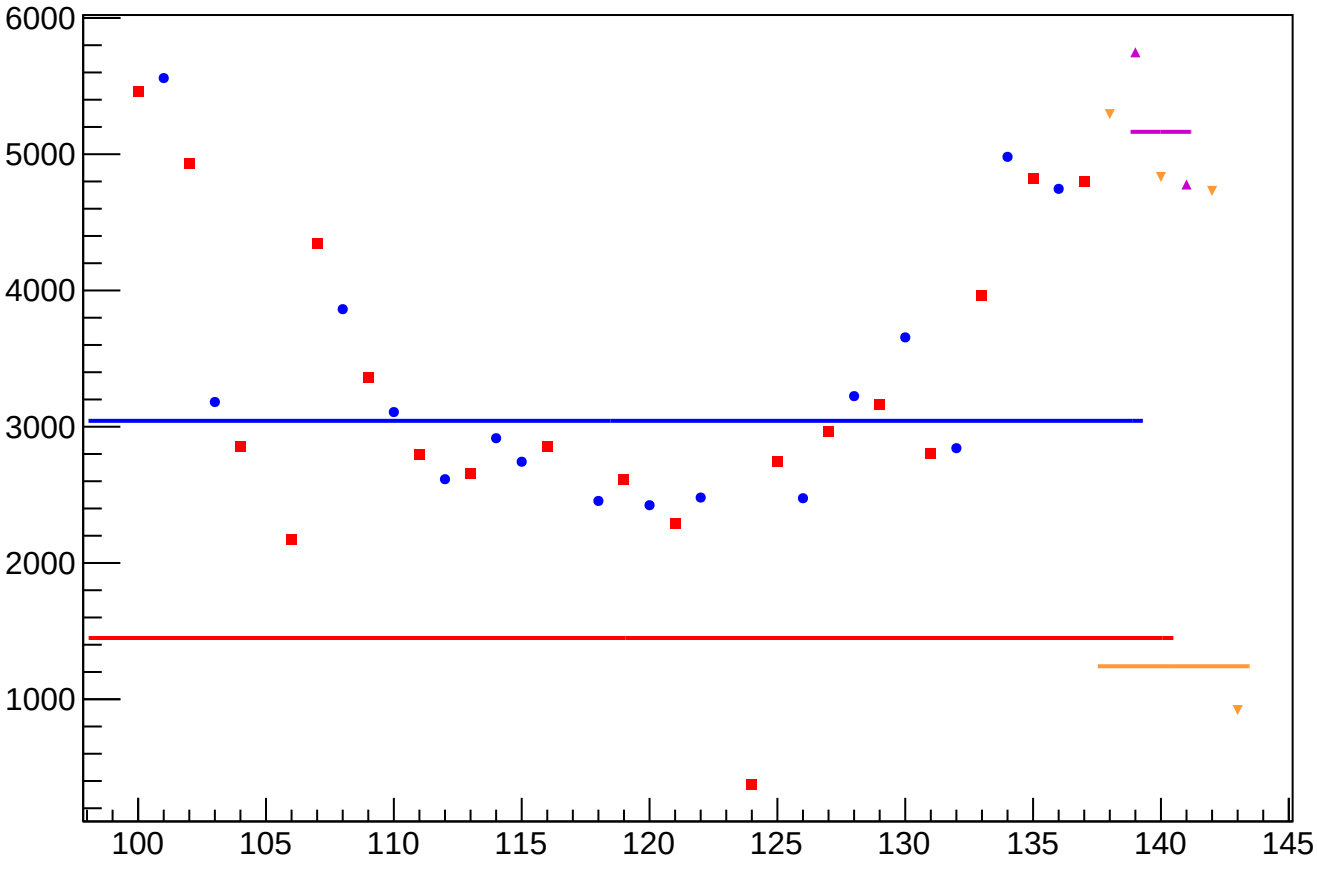
Left: -449.996+/-951.982 χ^2/NDF: 3.5/5

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -555.407+/-1124.797 χ^2/NDF:16.2/17

Out: 551.707+/-586.356 χ^2/NDF:23.3/22

All: 315.135+/-519.948 χ^2/NDF: 40.2/40



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1242.030+/-0.694 χ^2/NDF:2496757.6/3

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5164.327+/-2.797 χ^2/NDF:28843.4/1

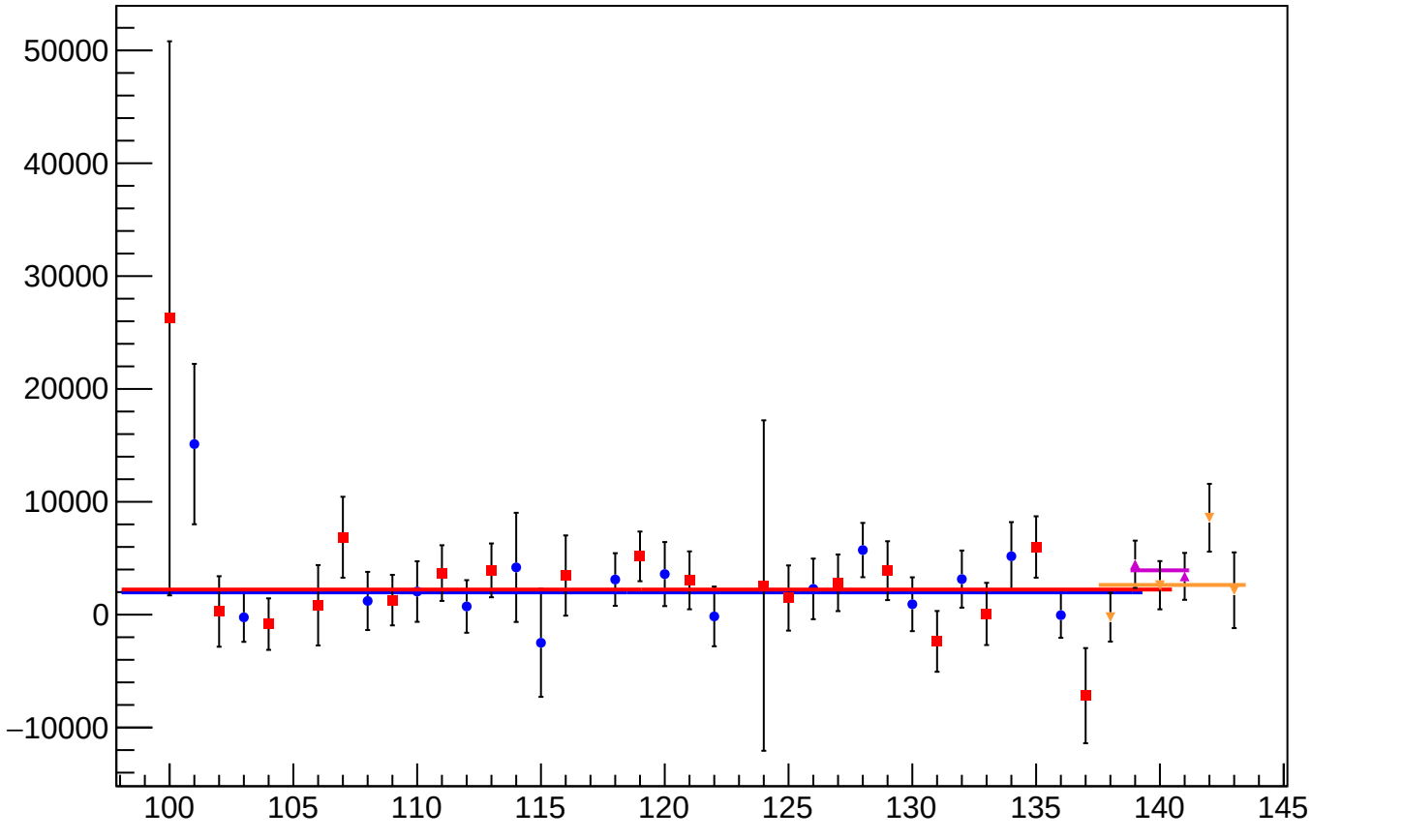
Left: 1469.255+/-0.673 χ^2/NDF: 4378501.9/5

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3214.808+/-0.795 χ^2/NDF:1463153.7/17

Out: 1375.361+/-0.415 χ^2/NDF:9379988.4/22

All: 1768.422+/-0.368 χ^2/NDF: 15048984.7/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 2632.741+/-1256.859 χ^2/NDF:5.7/3

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3928.008+/-1473.880 χ^2/NDF:0.1/1

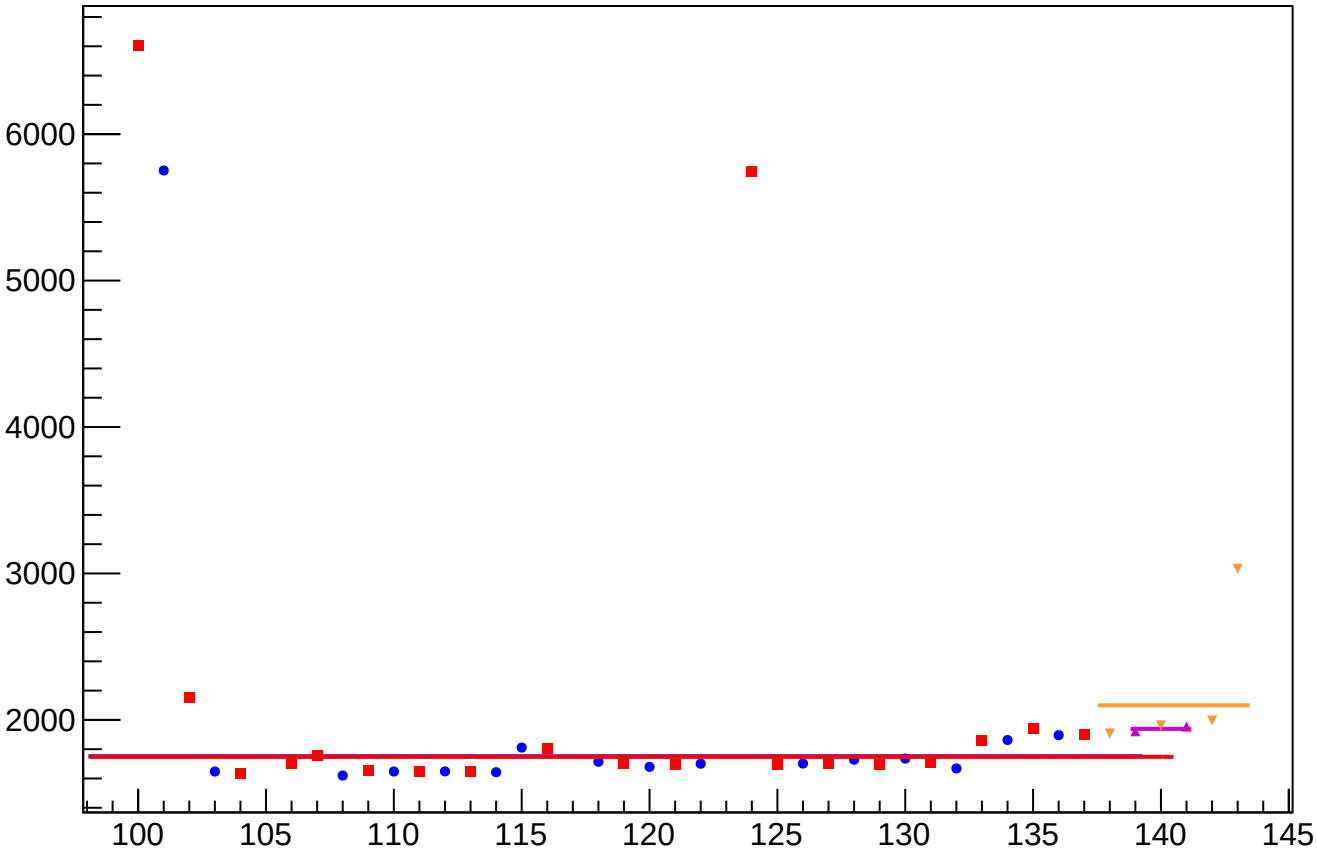
Left: 3178.082+/-956.349 χ^2/NDF: 6.3/5

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2308.355+/-608.208 χ^2/NDF:13.7/17

Out: 2313.351+/-581.752 χ^2/NDF:24.8/22

All: 2310.964+/-420.402 χ^2/NDF: 38.4/40



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2099.663+/-0.889 χ^2/NDF:180702.1/3

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1938.811+/-1.042 χ^2/NDF:232.7/1

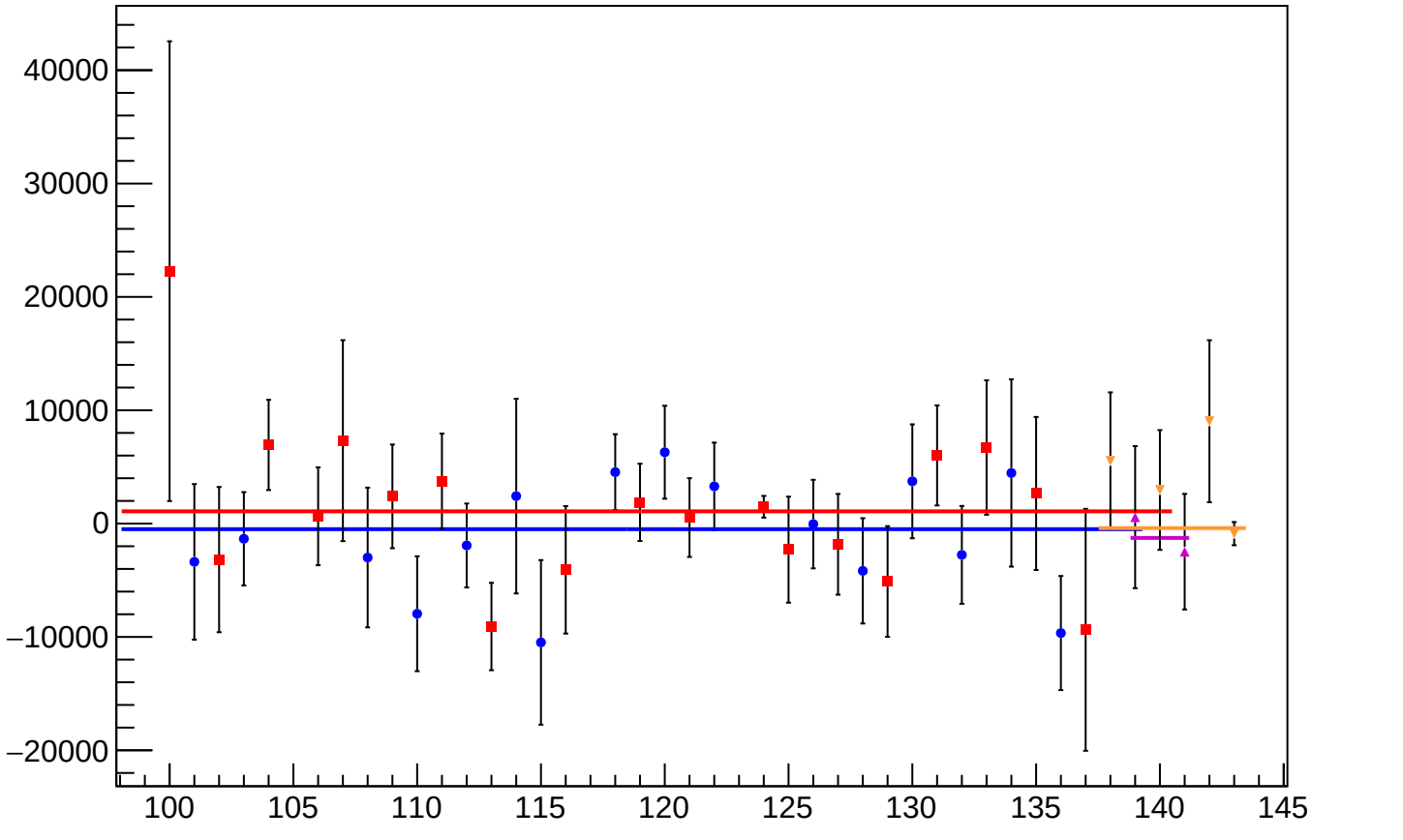
Left: 2031.940+/-0.676 χ^2/NDF: 194726.5/5

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1783.485+/-0.430 χ^2/NDF:697655.6/17

Out: 1822.729+/-0.410 χ^2/NDF:601993.6/22

All: 1804.037+/-0.297 χ^2/NDF: 1304009.9/40



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -399.840+/-980.816 χ^2/NDF:3.3/3

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1265.611+/-3955.219 χ^2/NDF:0.1/1

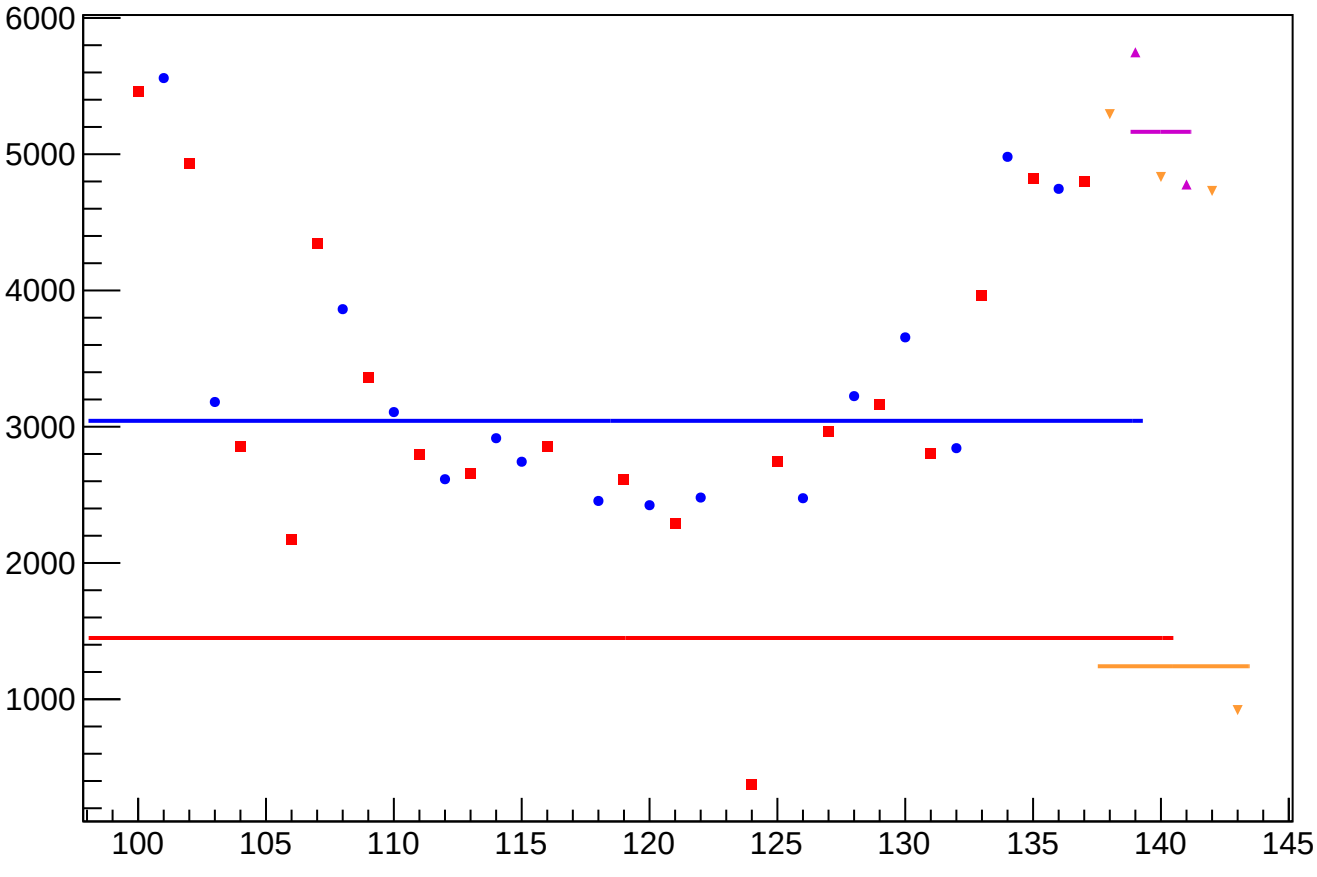
Left: -449.996+/-951.982 χ^2/NDF: 3.5/5

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -555.407+/-1124.797 χ^2/NDF:16.2/17

Out: 551.707+/-586.356 χ^2/NDF:23.3/22

All: 315.135+/-519.948 χ^2/NDF: 40.2/40



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1242.030+/-0.694 χ^2/NDF:2496757.6/3

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5164.327+/-2.797 χ^2/NDF:28843.4/1

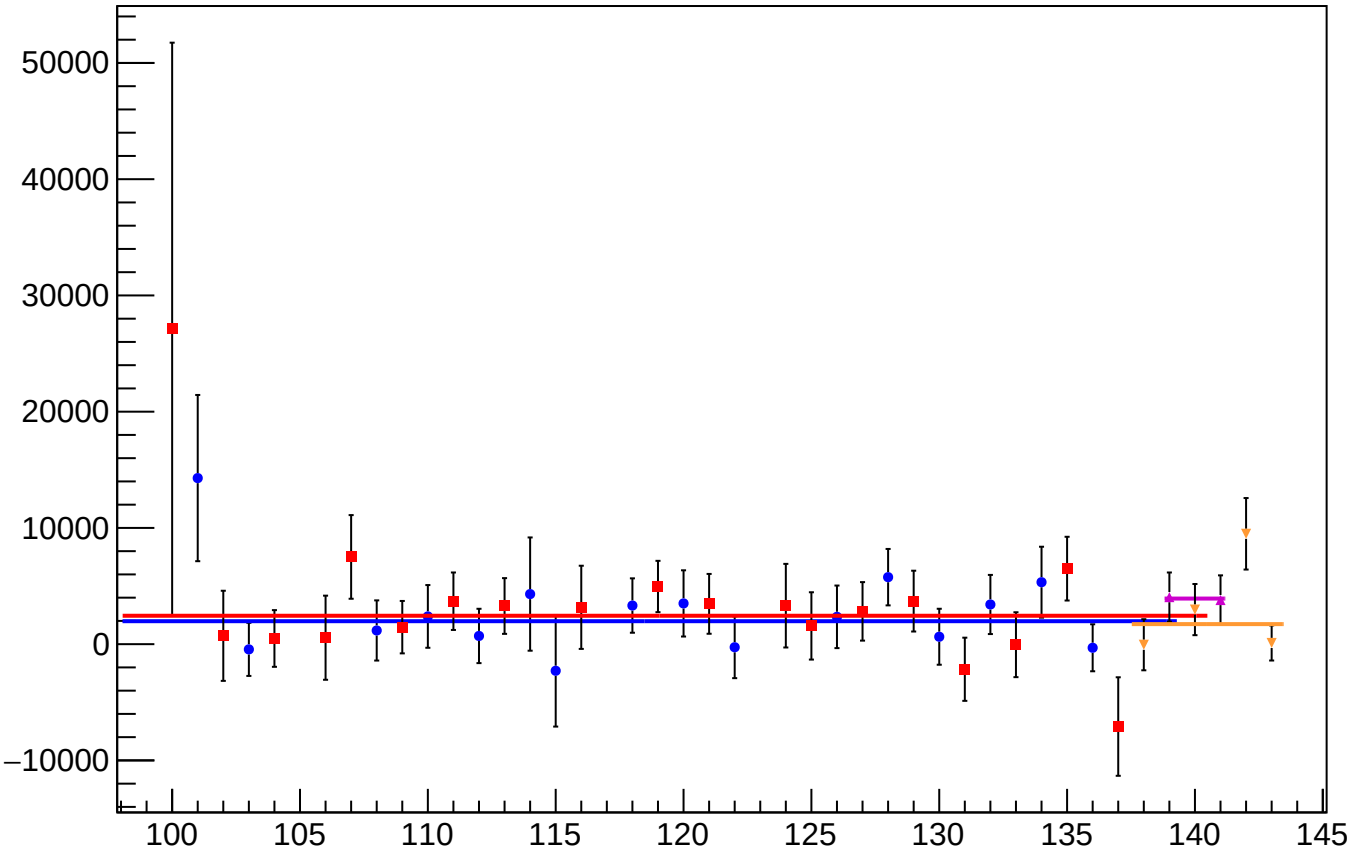
Left: 1469.255+/-0.673 χ^2/NDF: 4378501.9/5

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3214.808+/-0.795 χ^2/NDF:1463153.7/17

Out: 1375.361+/-0.415 χ^2/NDF:9379988.4/22

All: 1768.422+/-0.368 χ^2/NDF: 15048984.7/4



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1725.007+/-1021.743 χ^2/NDF:8.5/3

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3922.599+/-1499.115 χ^2/NDF:0.0/1

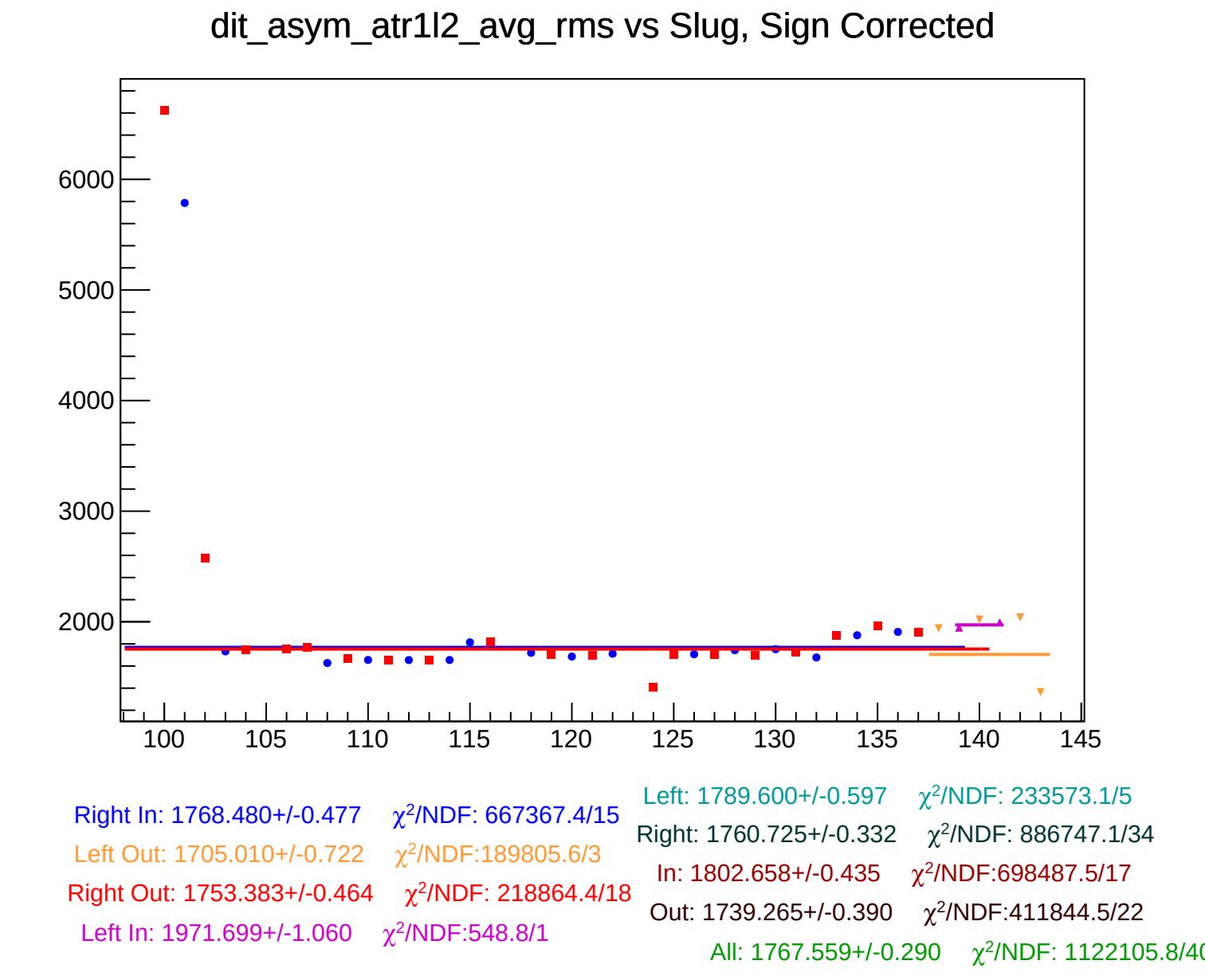
Left: 2422.054+/-844.292 χ^2/NDF: 10.0/5

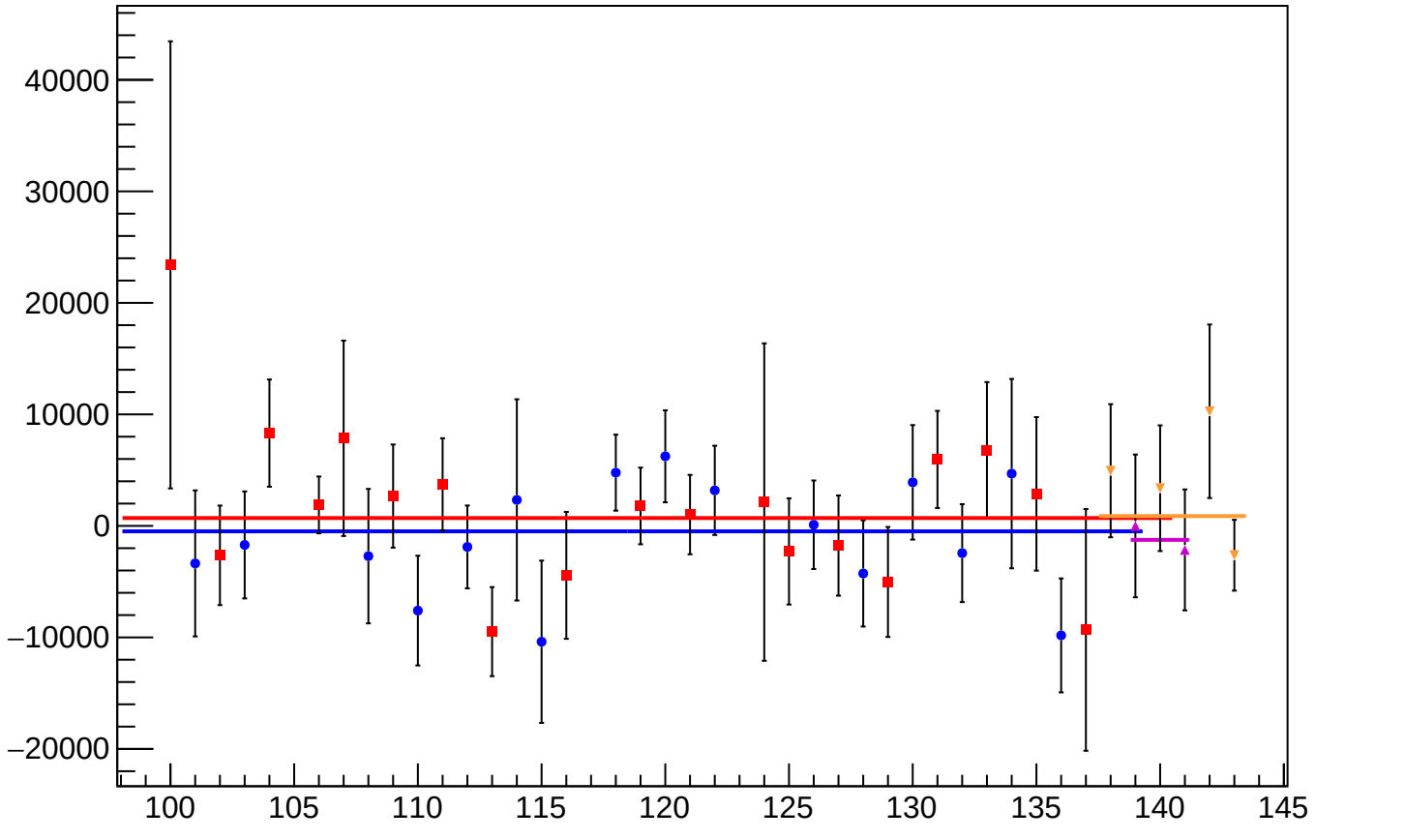
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2303.226+/-614.793 χ^2/NDF:13.8/17

Out: 2233.509+/-553.020 χ^2/NDF:26.3/22

All: 2264.690+/-411.154 χ^2/NDF: 40.2/40


dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 1768.480+/-0.477 χ²/NDF: 667367.4/15
Left Out: 1705.010+/-0.722 χ²/NDF:189805.6/3
Right Out: 1753.383+/-0.464 χ²/NDF: 218864.4/18
Left In: 1971.699+/-1.060 χ²/NDF:548.8/1
Left: 1789.600+/-0.597 χ²/NDF: 233573.1/5
Right: 1760.725+/-0.332 χ²/NDF: 886747.1/34
In: 1802.658+/-0.435 χ²/NDF:698487.5/17
Out: 1739.265+/-0.390 χ²/NDF:411844.5/22
All: 1767.559+/-0.290 χ²/NDF: 1122105.8/40



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 880.468+/-2389.390 χ^2/NDF:3.3/3

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: -1253.414+/-4137.760 χ^2/NDF:0.1/1

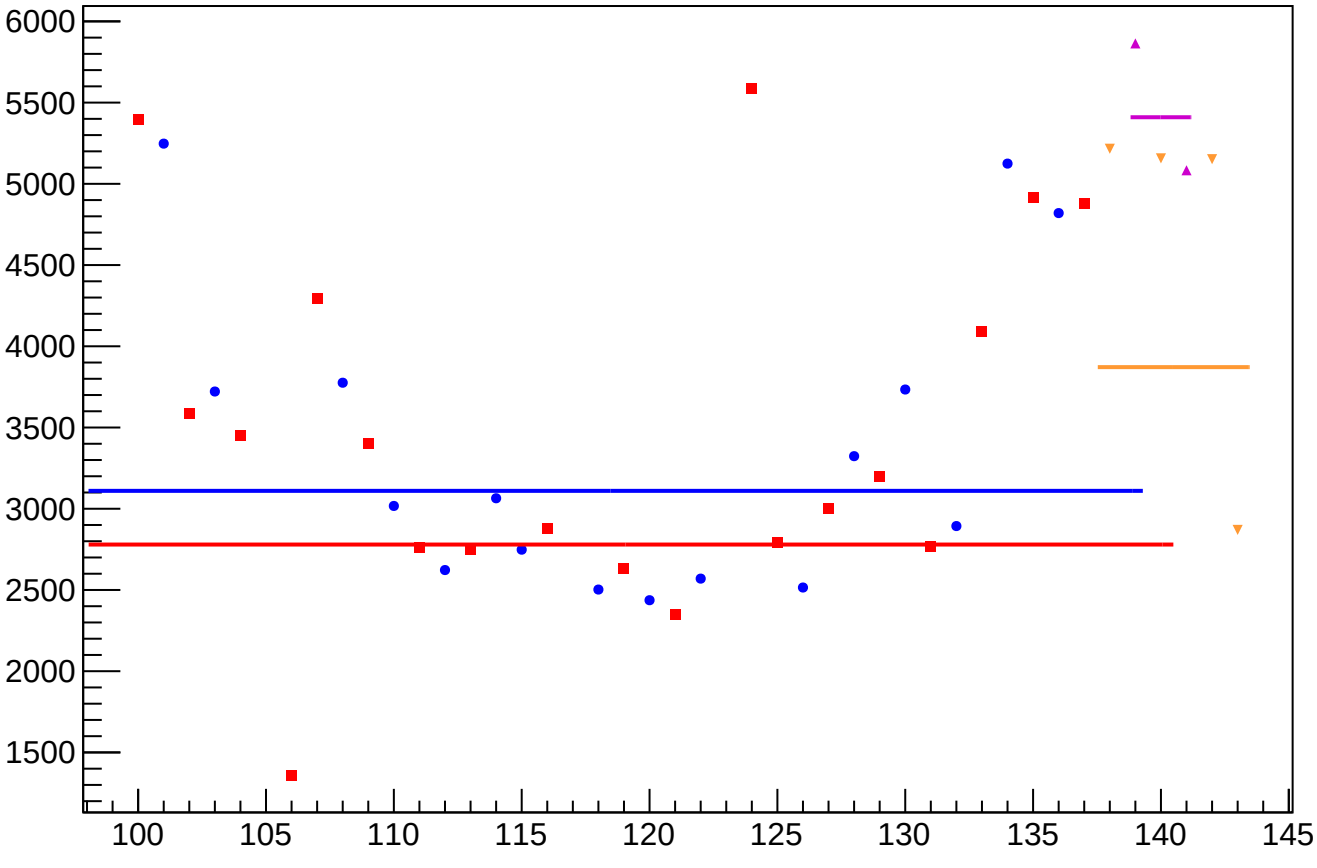
Left: 346.846+/-2069.174 χ^2/NDF: 3.6/5

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -547.342+/-1151.187 χ^2/NDF:15.8/17

Out: 732.889+/-976.148 χ^2/NDF:22.2/22

All: 197.403+/-744.519 χ^2/NDF: 38.8/40



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 3871.676+/-1.690 χ^2/NDF:458476.2/3

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5409.893+/-2.926 χ^2/NDF:17329.0/1

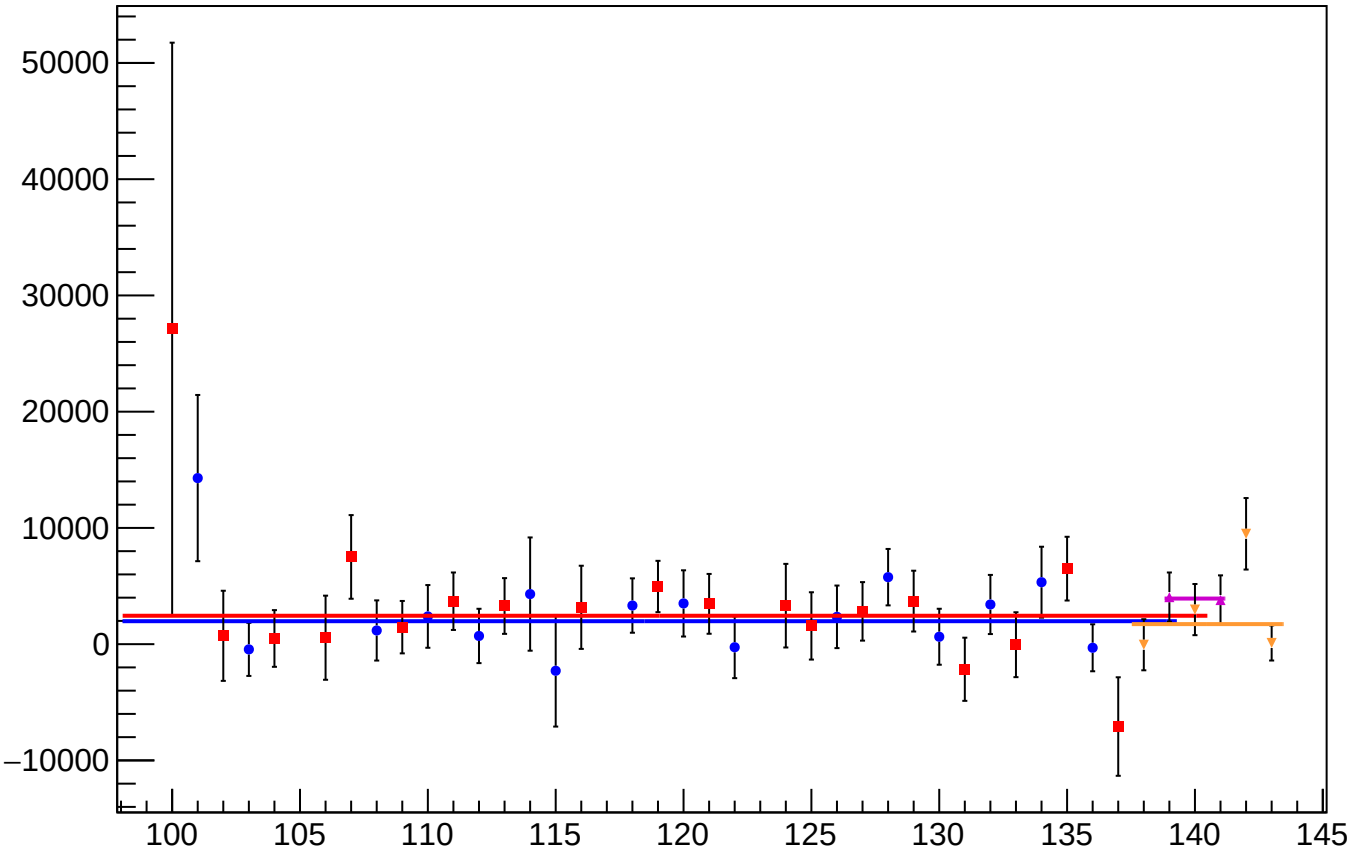
Left: 4256.339+/-1.463 χ^2/NDF: 683084.0/5

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3288.142+/-0.814 χ^2/NDF:1470593.2/17

Out: 2961.893+/-0.690 χ^2/NDF:2154662.1/22

All: 3098.354+/-0.526 χ^2/NDF: 3718700.5/40



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1725.012+/-1021.743 χ^2/NDF:8.5/3

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3922.594+/-1499.116 χ^2/NDF:0.0/1

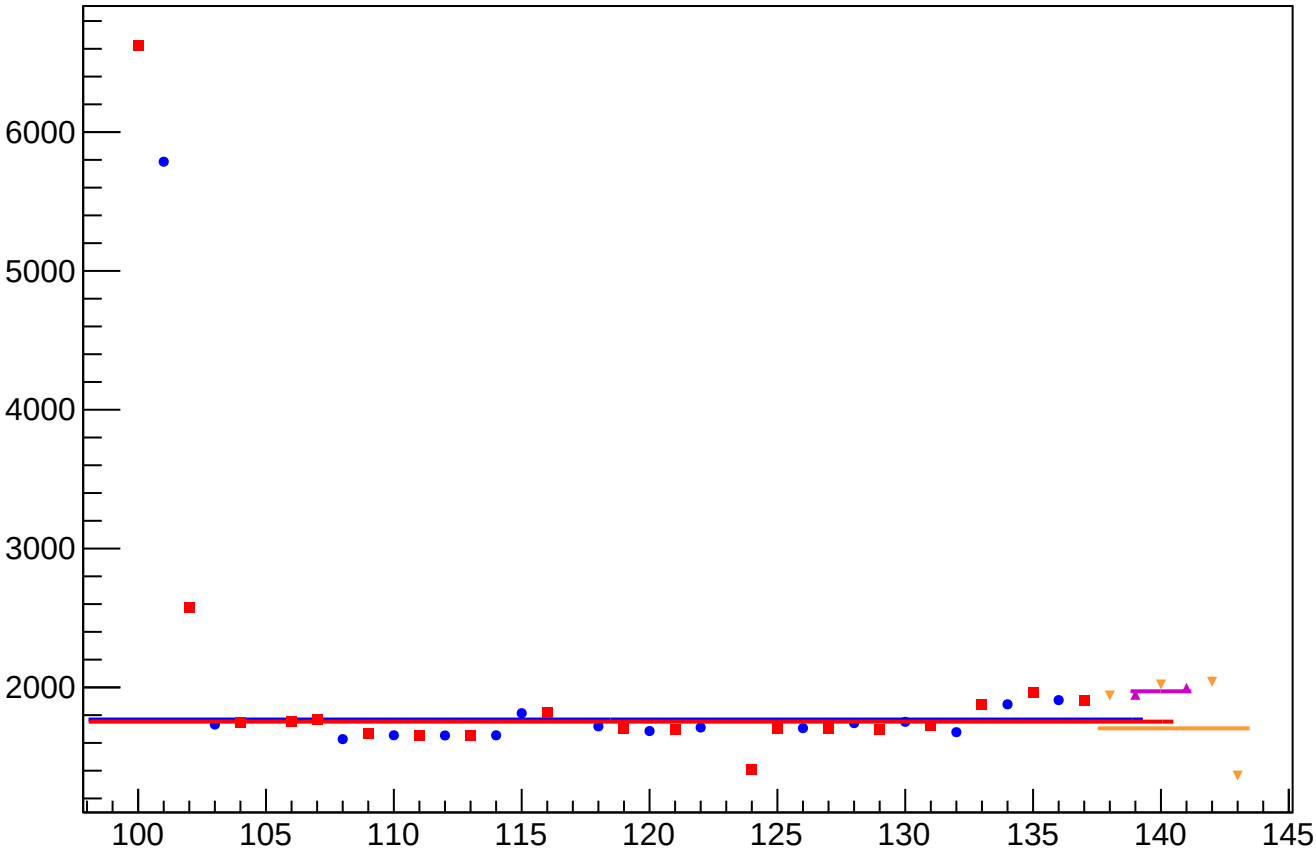
Left: 2422.056+/-844.292 χ^2/NDF: 10.0/5

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2303.226+/-614.793 χ^2/NDF:13.8/17

Out: 2233.511+/-553.020 χ^2/NDF:26.3/22

All: 2264.691+/-411.154 χ^2/NDF: 40.2/40



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1705.010+/-0.722 χ^2/NDF:189806.1/3

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1971.700+/-1.060 χ^2/NDF:548.8/1

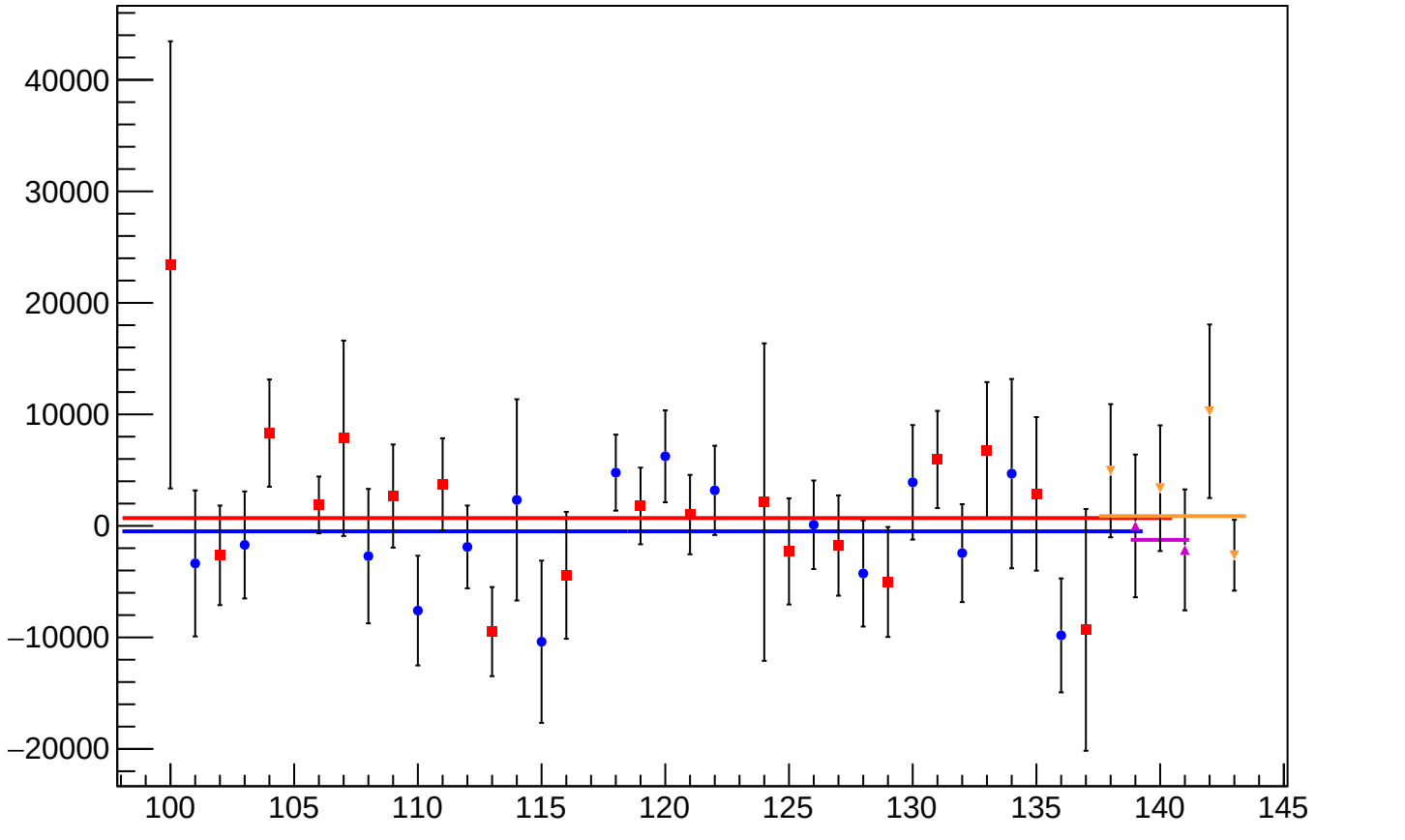
Left: 1789.601+/-0.597 χ^2/NDF: 233573.9/5

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1802.658+/-0.435 χ^2/NDF:698487.8/17

Out: 1739.265+/-0.390 χ^2/NDF:411844.9/22

All: 1767.559+/-0.290 χ^2/NDF: 1122106.7/40



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 880.465+/-2389.392 χ^2/NDF:3.3/3

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: -1253.417+/-4137.769 χ^2/NDF:0.1/1

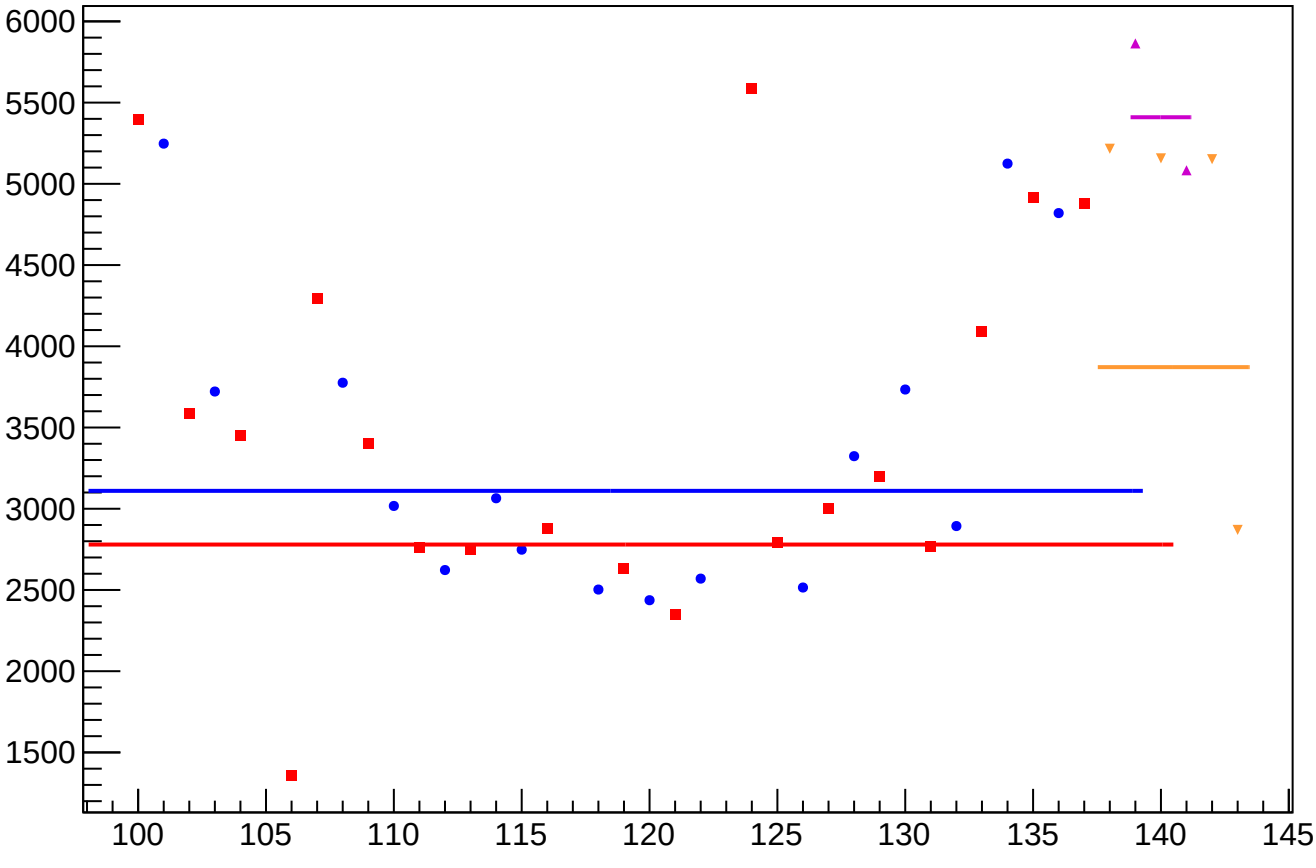
Left: 346.844+/-2069.177 χ^2/NDF: 3.6/5

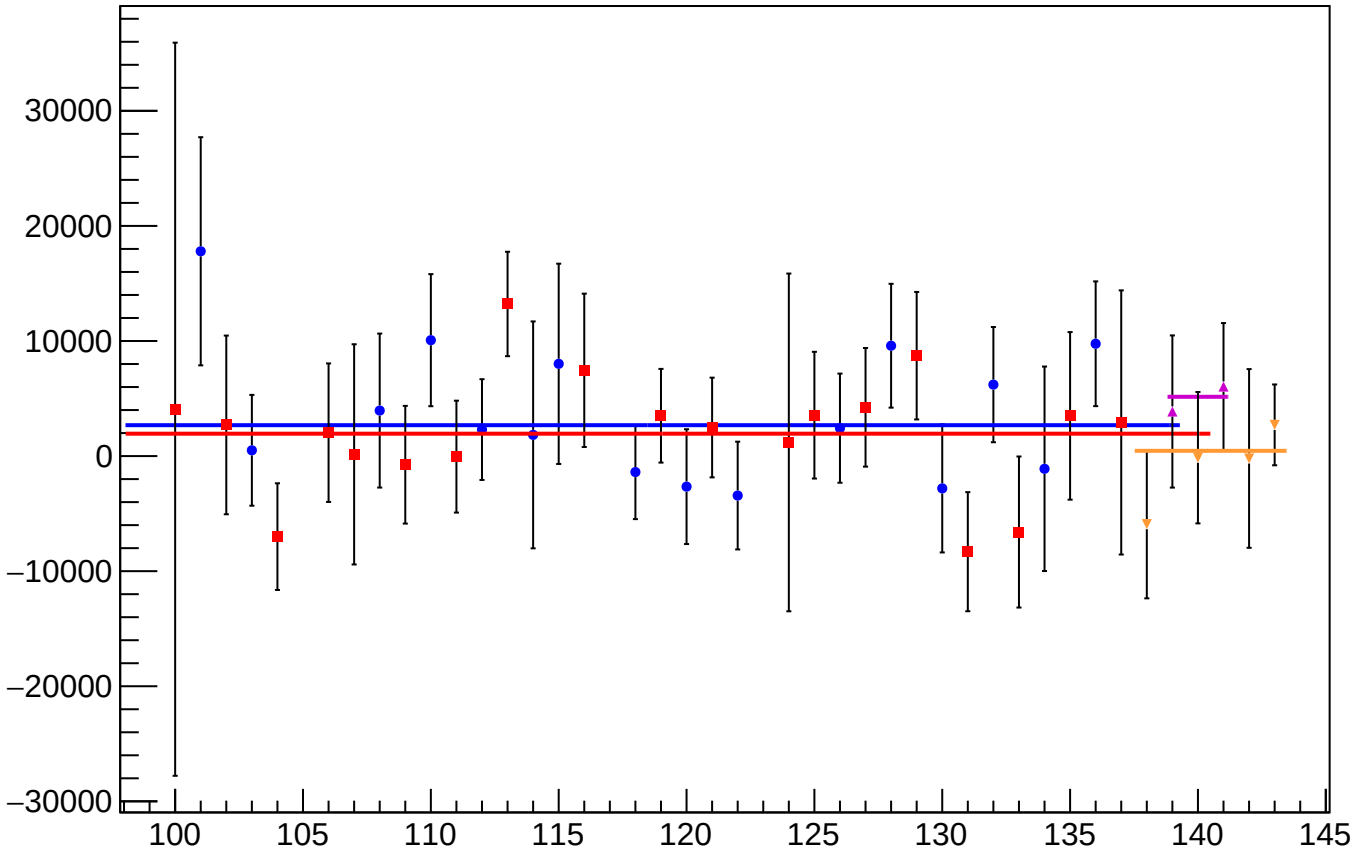
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -547.336+/-1151.184 χ^2/NDF:15.8/17

Out: 732.890+/-976.146 χ^2/NDF:22.2/22

All: 197.407+/-744.517 χ^2/NDF: 38.8/40


asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
145
Right In: 3110.121+/-0.847 χ²/NDF: 883272.2/15
Left Out: 3871.679+/-1.690 χ²/NDF:458480.0/3
Right Out: 2779.617+/-0.756 χ²/NDF: 1348160.7/18
Left In: 5409.904+/-2.926 χ²/NDF:17329.4/1
Left: 4256.344+/-1.463 χ²/NDF: 683089.6/5
Right: 2926.126+/-0.564 χ²/NDF: 2316104.6/34
In: 3288.131+/-0.814 χ²/NDF:1470612.8/17
Out: 2961.881+/-0.690 χ²/NDF:2154694.9/22
All: 3098.343+/-0.526 χ²/NDF: 3718753.7/40



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 457.418+/-2561.299 χ^2/NDF:1.4/3

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: 1714.528+/-2191.735 χ^2/NDF: 2.4/5

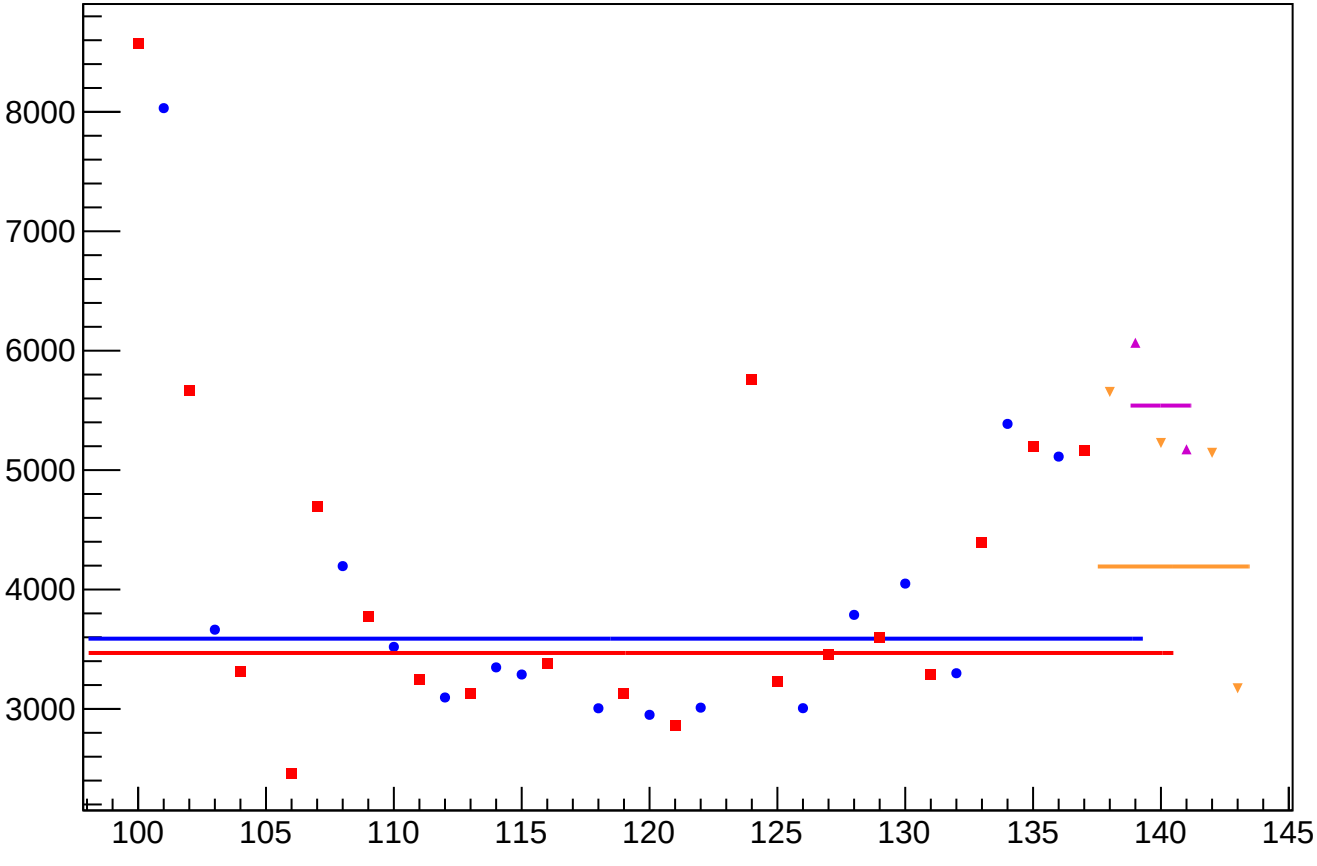
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2922.126+/-1312.035 χ^2/NDF:13.8/17

Out: 1628.497+/-1182.438 χ^2/NDF:20.4/22

All: 2208.284+/-878.364 χ^2/NDF: 34.7/40

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4192.818+/-1.811 χ^2/NDF:367330.7/3

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5540.454+/-2.995 χ^2/NDF:21474.8/1

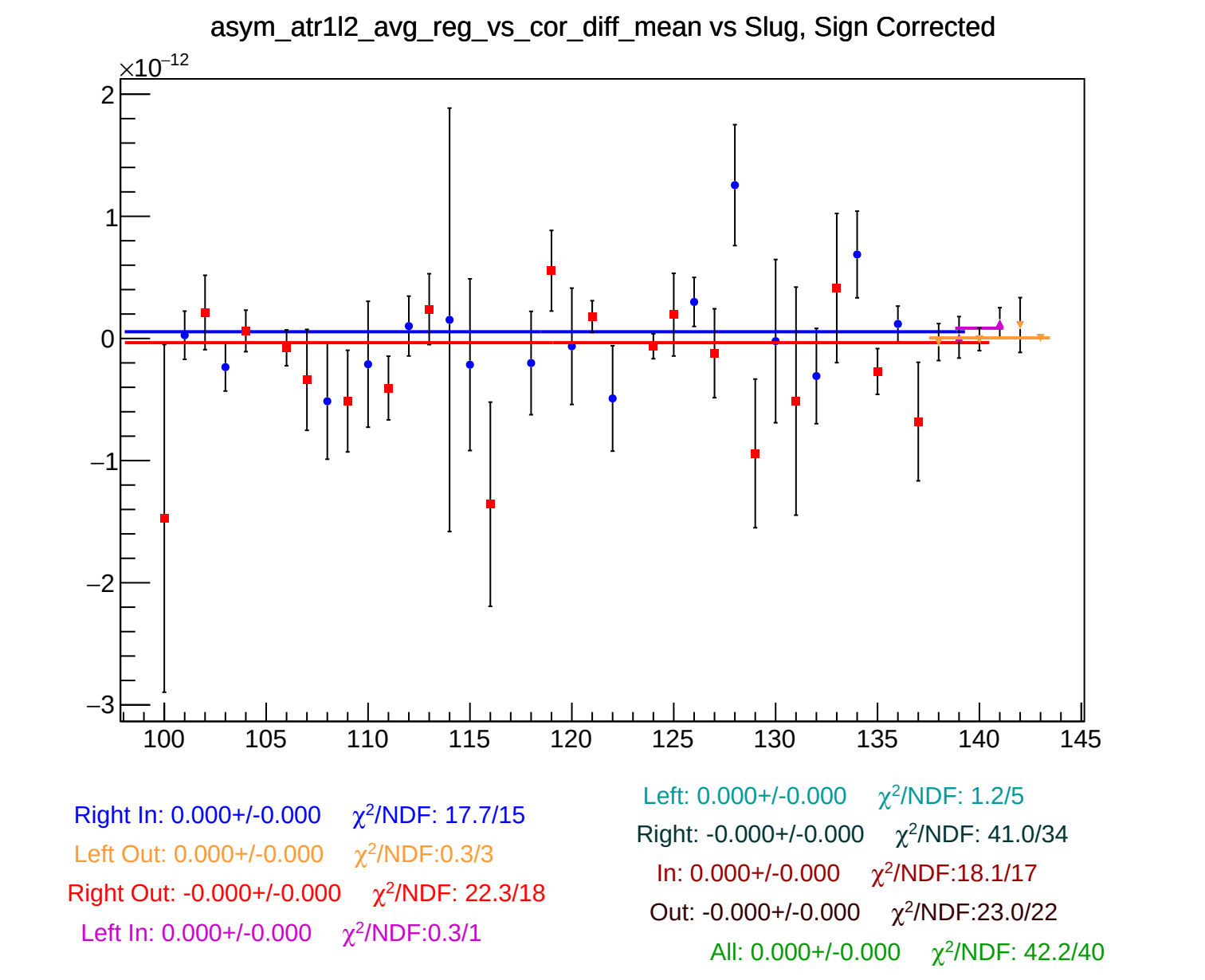
Left: 4553.656+/-1.550 χ^2/NDF: 537055.6/5

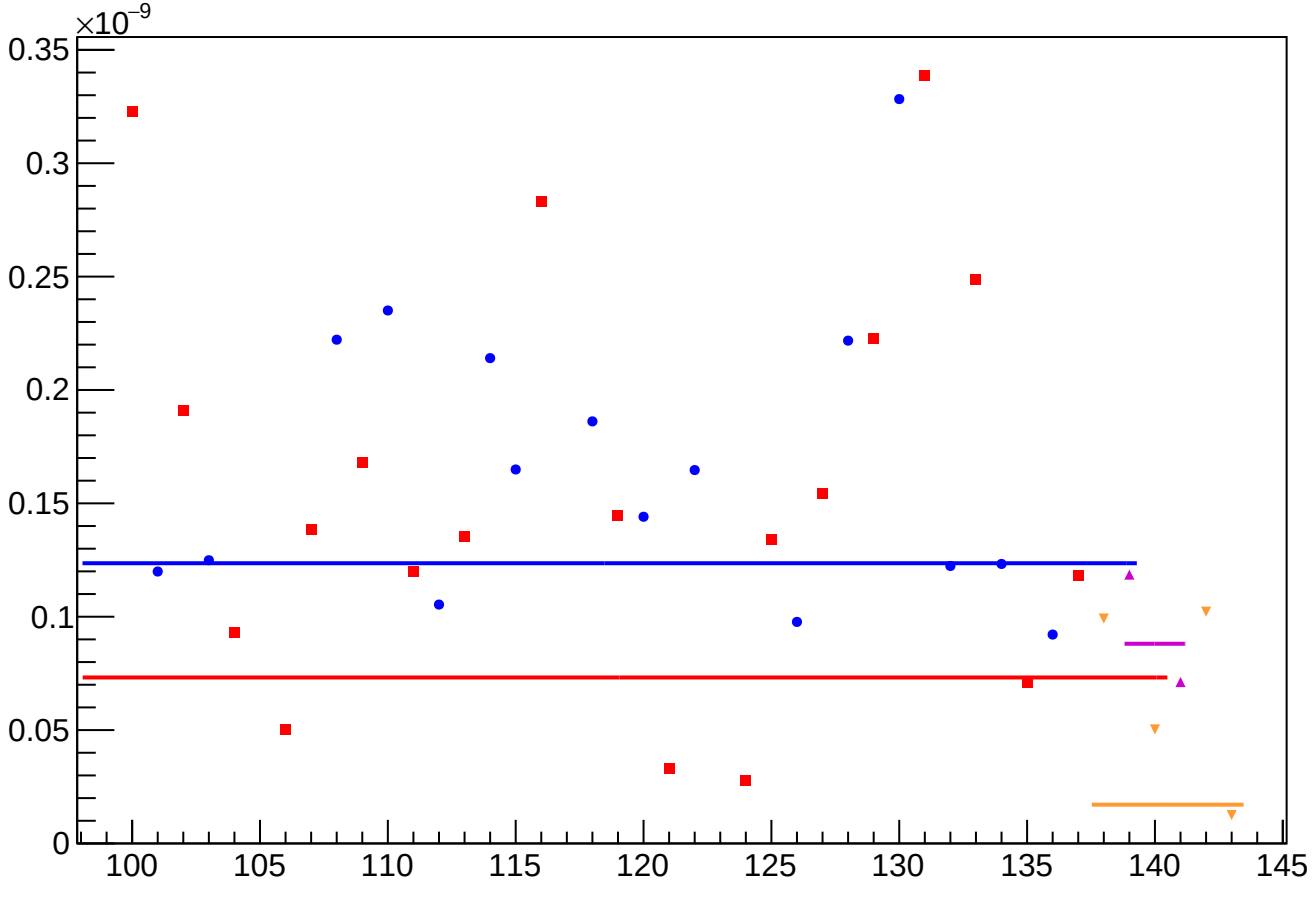
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3775.731+/-0.928 χ^2/NDF:1250715.2/17

Out: 3619.284+/-0.826 χ^2/NDF:1160498.3/22

All: 3688.468+/-0.617 χ^2/NDF: 2427074.7/40


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/3
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:0.3/1
Left: 0.000+/-0.000 χ²/NDF: 1.2/5
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:18.1/17
Out: -0.000+/-0.000 χ²/NDF:23.0/22
All: 0.000+/-0.000 χ²/NDF: 42.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1211752.6/3

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: 2249899.4/5

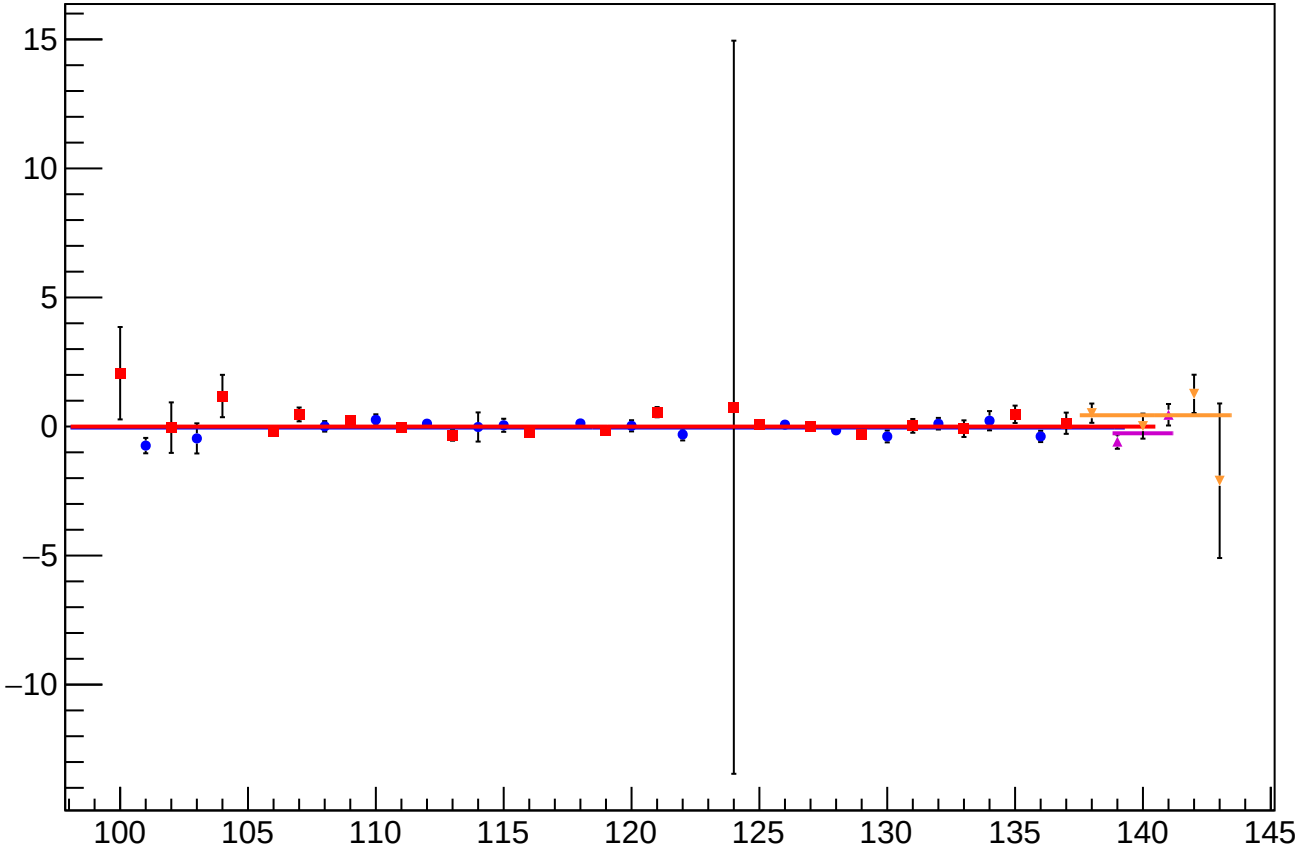
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:923683.3/17

Out: 0.000+/-0.000 χ^2/NDF:5310564.8/22

All: 0.000+/-0.000 χ^2/NDF: 10051846.3/40

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: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

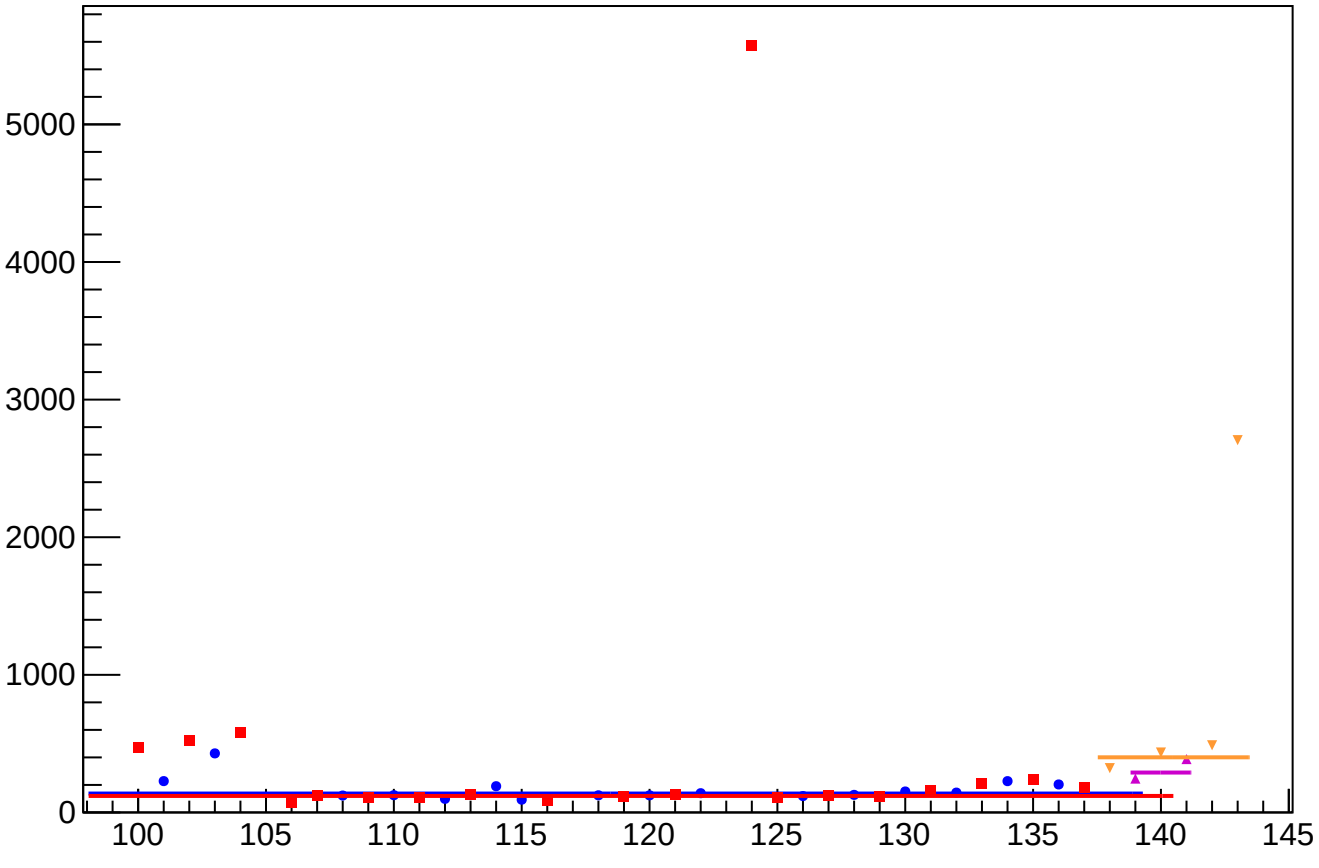
Left: 0.030+/-0.177 χ^2/NDF: 10.9/5

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.017+/-0.037 χ^2/NDF: 57.8/40



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 400.677+/-0.194 χ^2/NDF:1311677.8/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 289.991+/-0.164 χ^2/NDF:160020.7/1

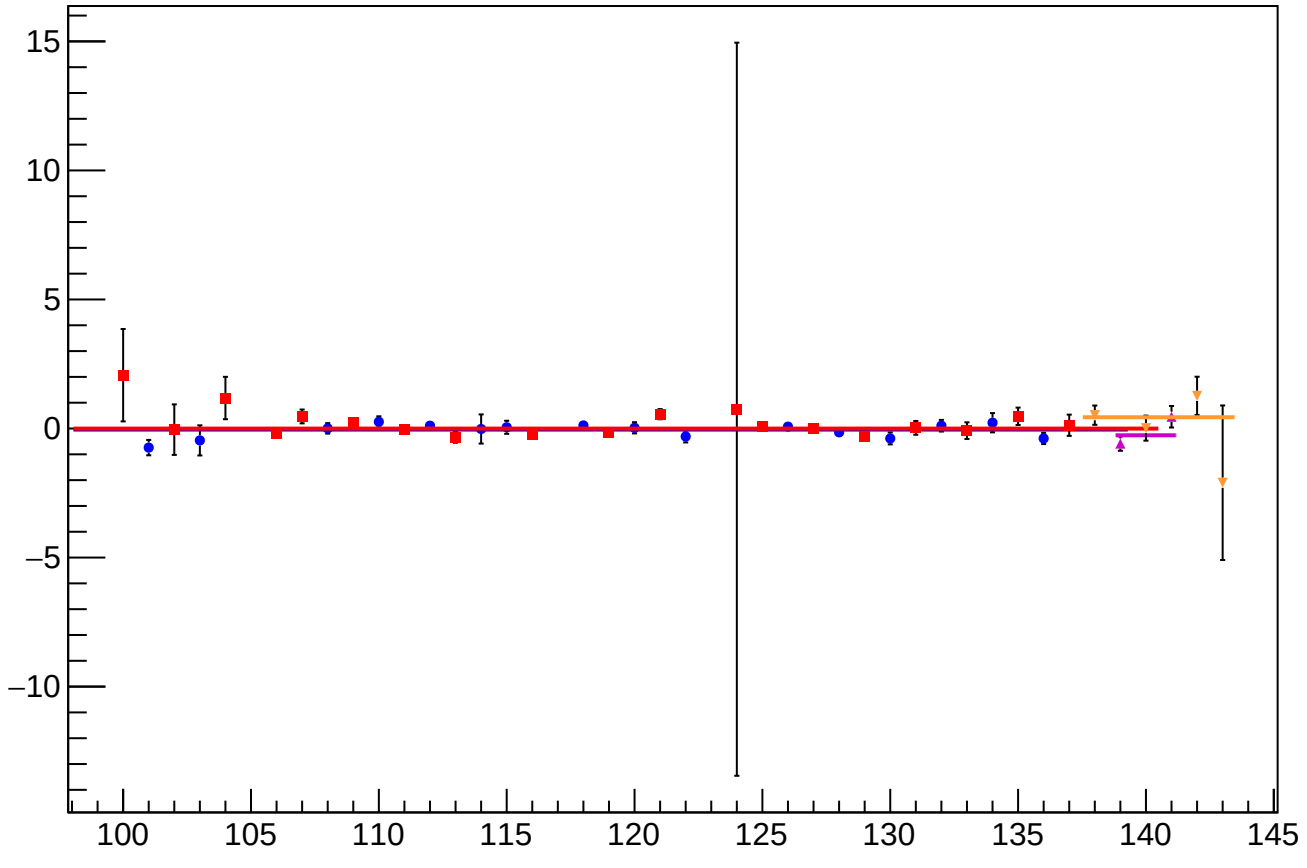
Left: 336.218+/-0.125 χ^2/NDF: 1662242.3/5

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 145.767+/-0.038 χ^2/NDF:2247820.8/17

Out: 129.401+/-0.035 χ^2/NDF:5484994.8/22

All: 136.926+/-0.026 χ^2/NDF: 7831081.3/40



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

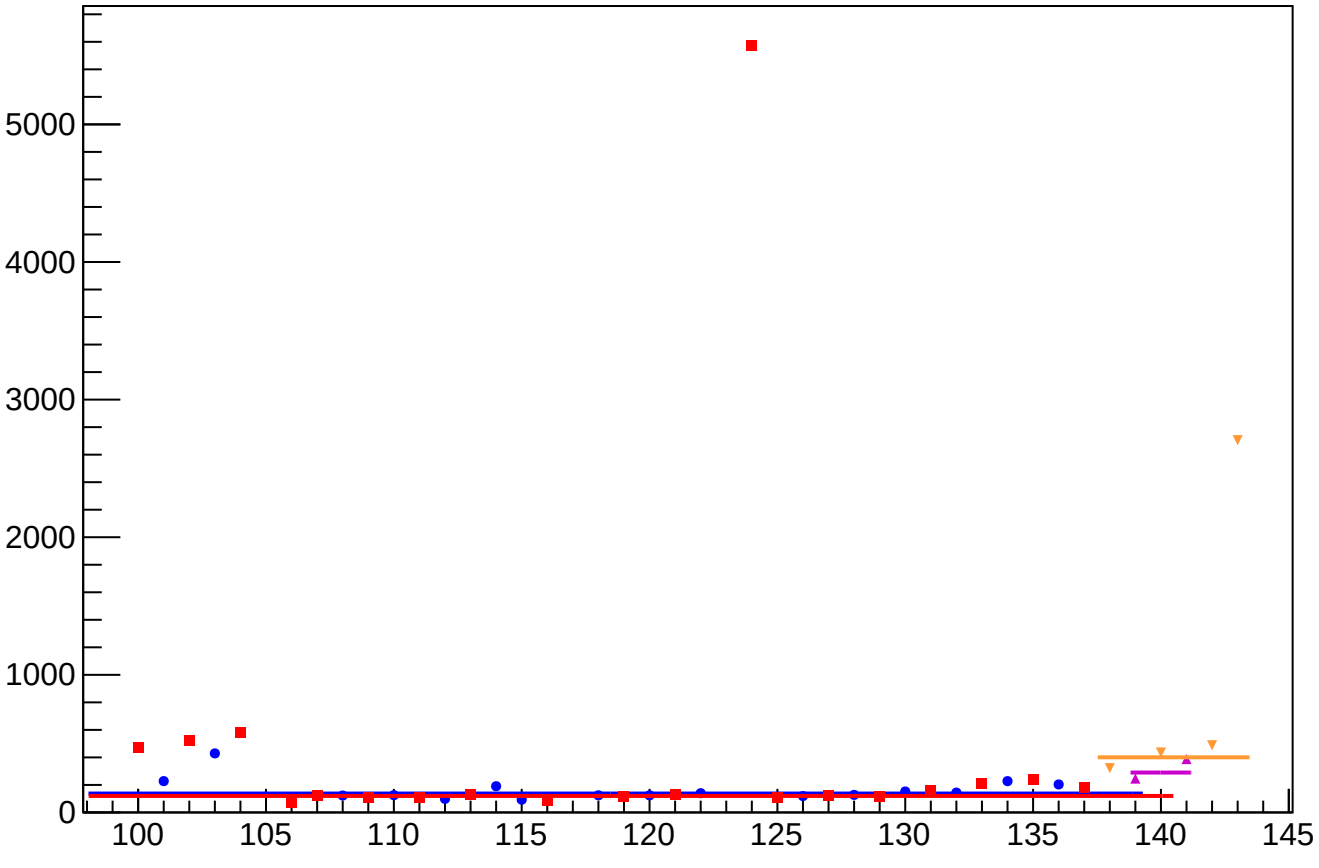
Left: 0.030+/-0.177 χ^2/NDF: 10.9/5

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.017+/-0.037 χ^2/NDF: 57.8/40



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 400.677+/-0.194 χ^2/NDF:1311677.8/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 289.991+/-0.164 χ^2/NDF:160020.7/1

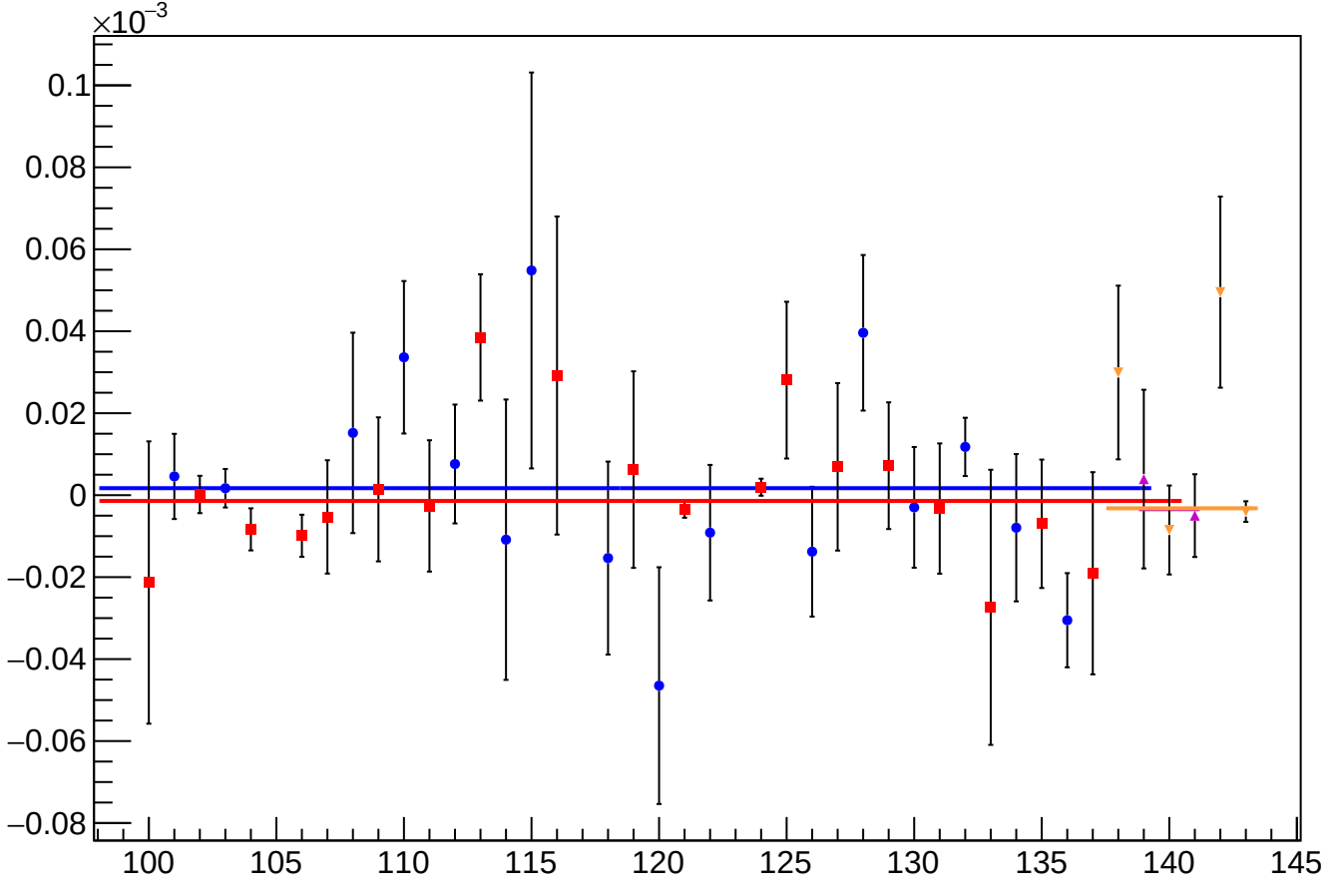
Left: 336.218+/-0.125 χ^2/NDF: 1662242.3/5

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 145.767+/-0.038 χ^2/NDF:2247820.8/17

Out: 129.401+/-0.035 χ^2/NDF:5484994.8/22

All: 136.926+/-0.026 χ^2/NDF: 7831081.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

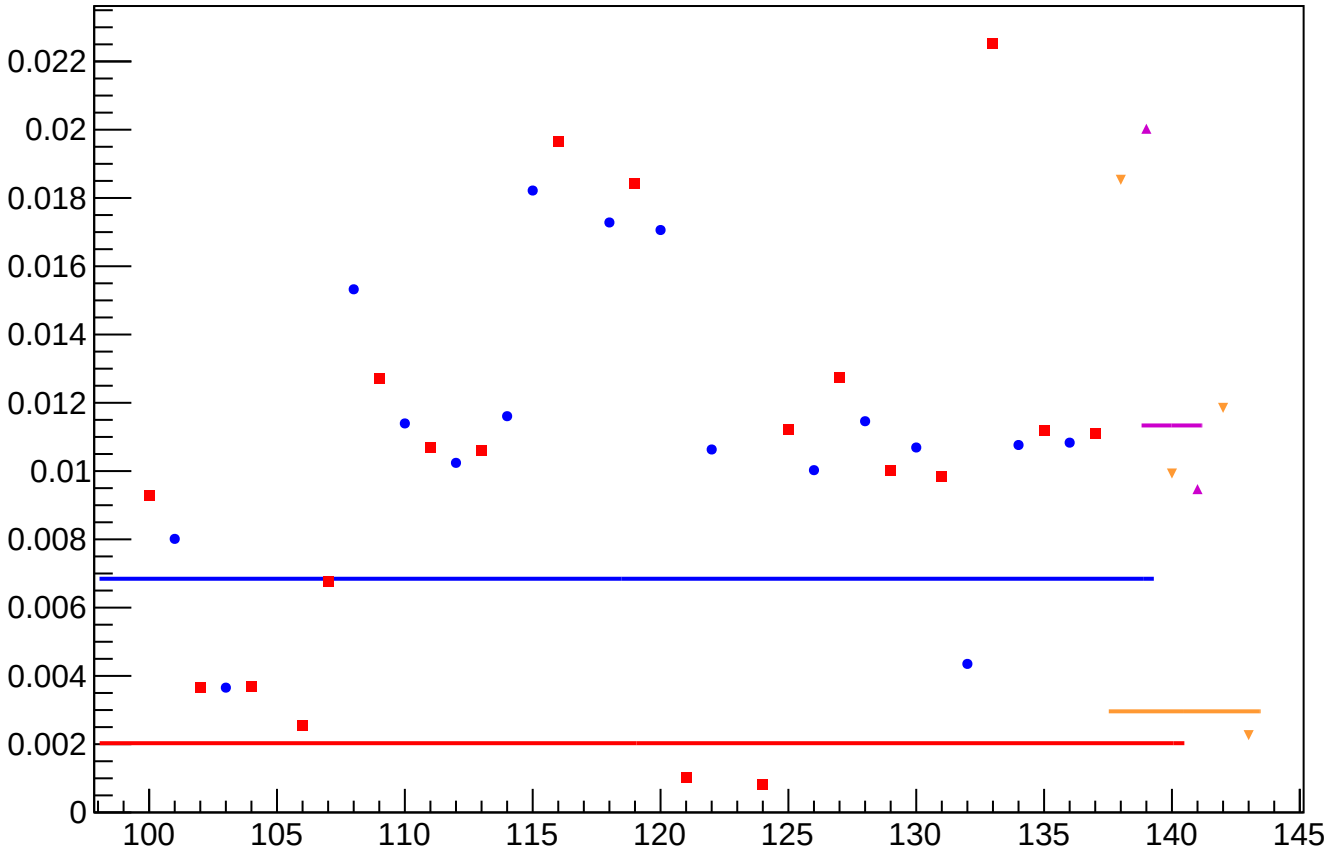
Left: -0.000+/-0.000 χ^2/NDF: 8.0/5

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:28.6/22

All: -0.000+/-0.000 χ^2/NDF: 53.8/40



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2347859.7/3

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: 0.004+/-0.000 χ^2/NDF: 4295874.2/5

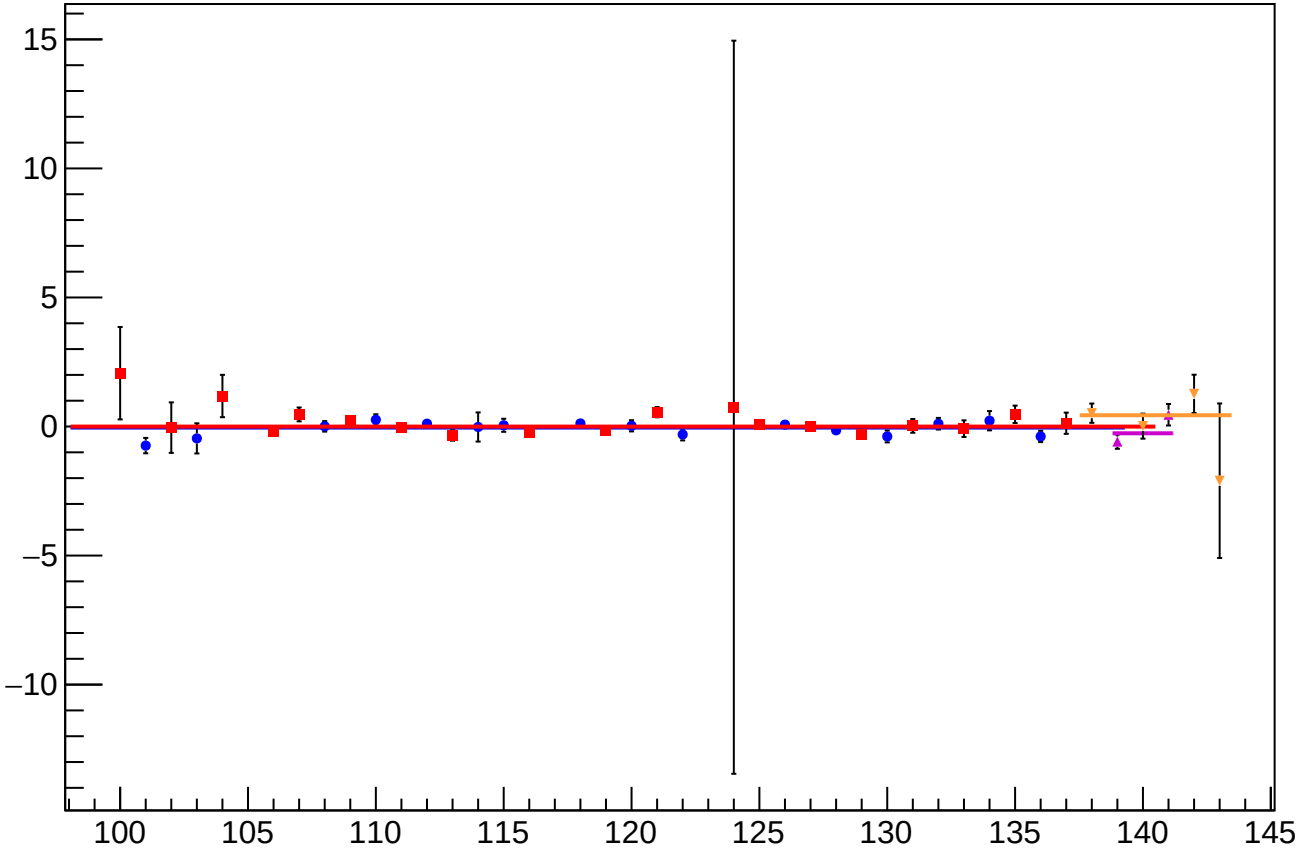
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:4051149.9/17

Out: 0.002+/-0.000 χ^2/NDF:11589201.1/22

All: 0.003+/-0.000 χ^2/NDF: 21167040.1/40

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: 0.437+/-0.274 χ^2/NDF:2.8/3

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.262+/-0.232 χ^2/NDF:4.3/1

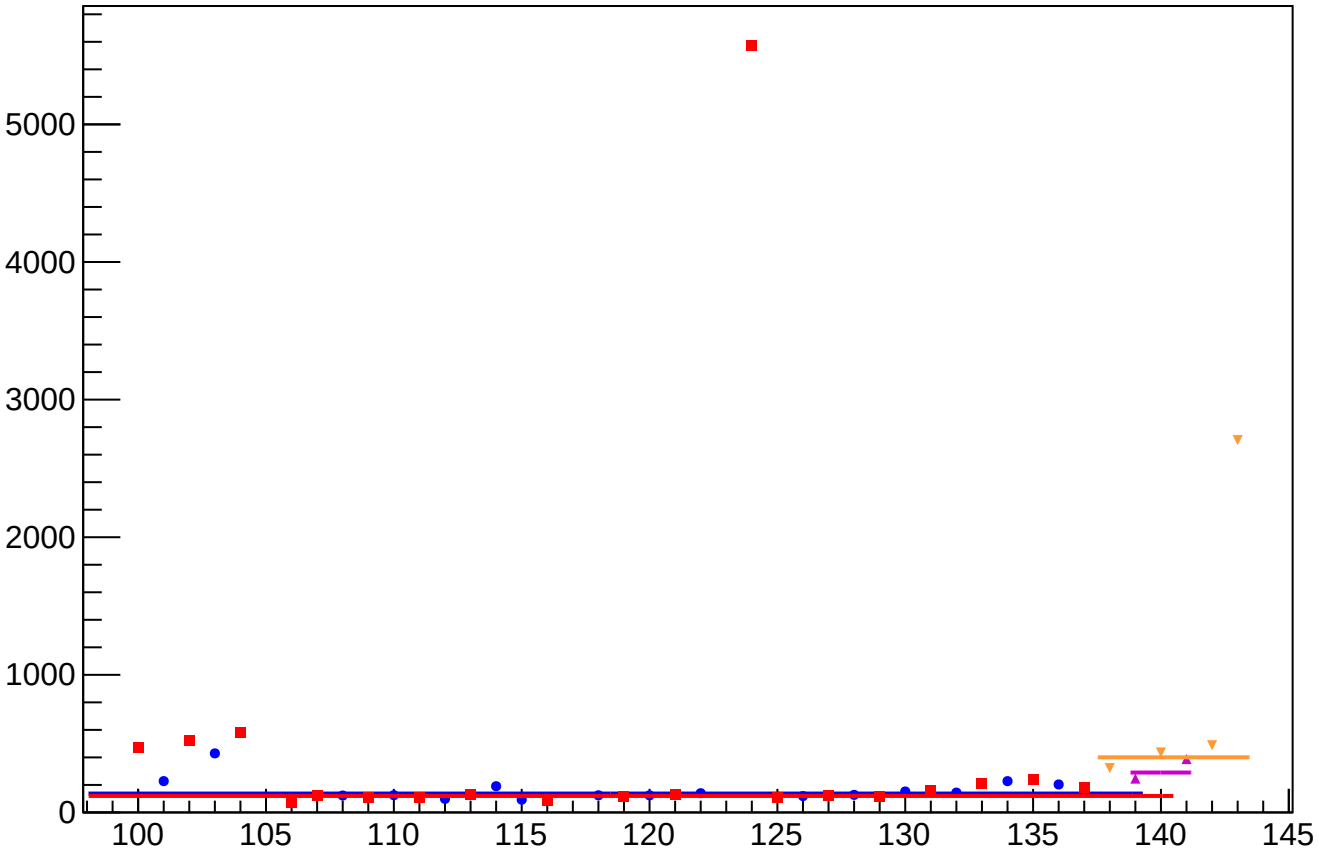
Left: 0.030+/-0.177 χ^2/NDF: 10.9/5

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.017+/-0.037 χ^2/NDF: 57.8/40



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 400.680+/-0.194 χ^2/NDF:1311683.2/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 289.998+/-0.164 χ^2/NDF:160008.8/1

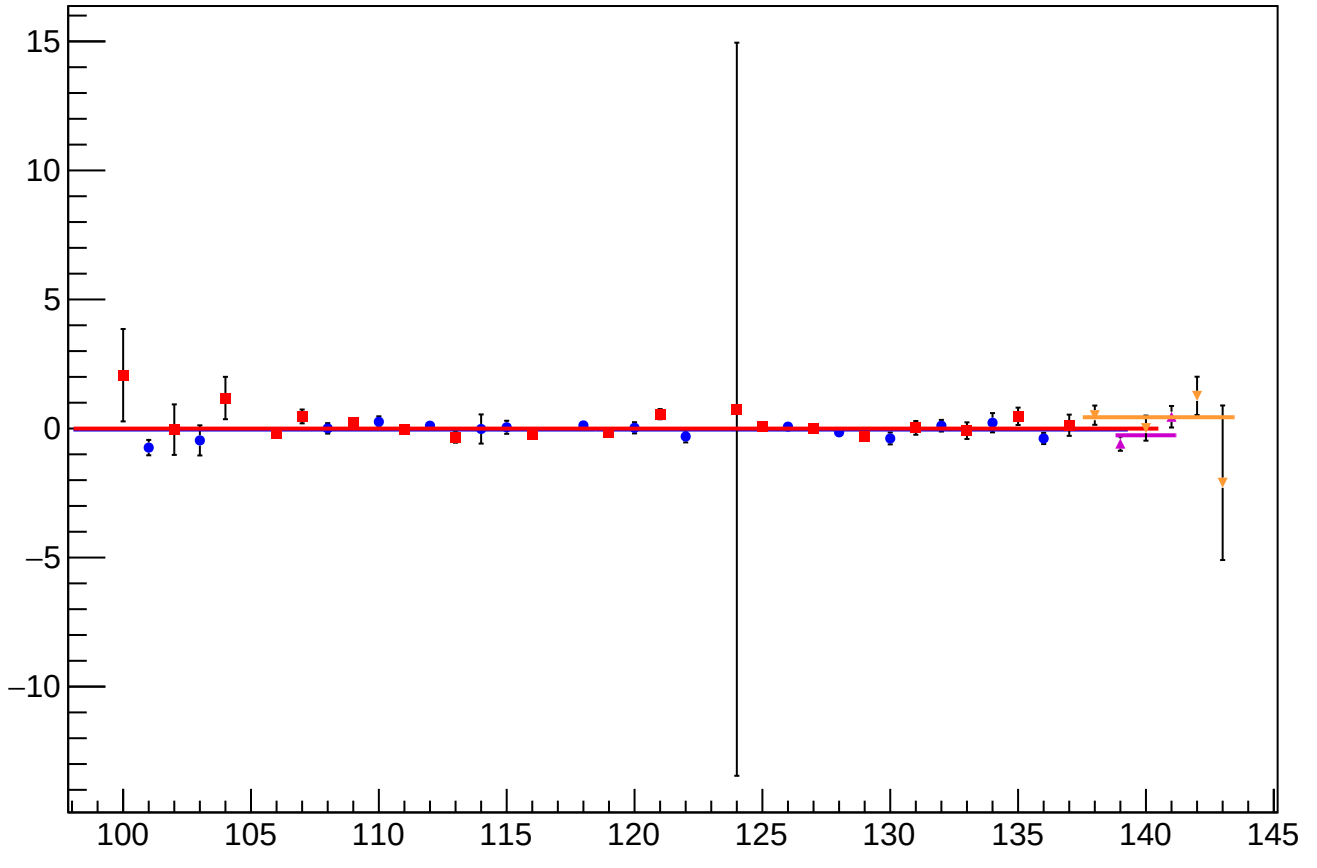
Left: 336.225+/-0.125 χ^2/NDF: 1662215.2/5

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 145.768+/-0.038 χ^2/NDF:2247784.5/17

Out: 129.401+/-0.035 χ^2/NDF:5484944.3/22

All: 136.926+/-0.026 χ^2/NDF: 7831006.1/40



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.437+/-0.274 χ^2/NDF:2.8/3

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: 0.030+/-0.177 χ^2/NDF: 10.9/5

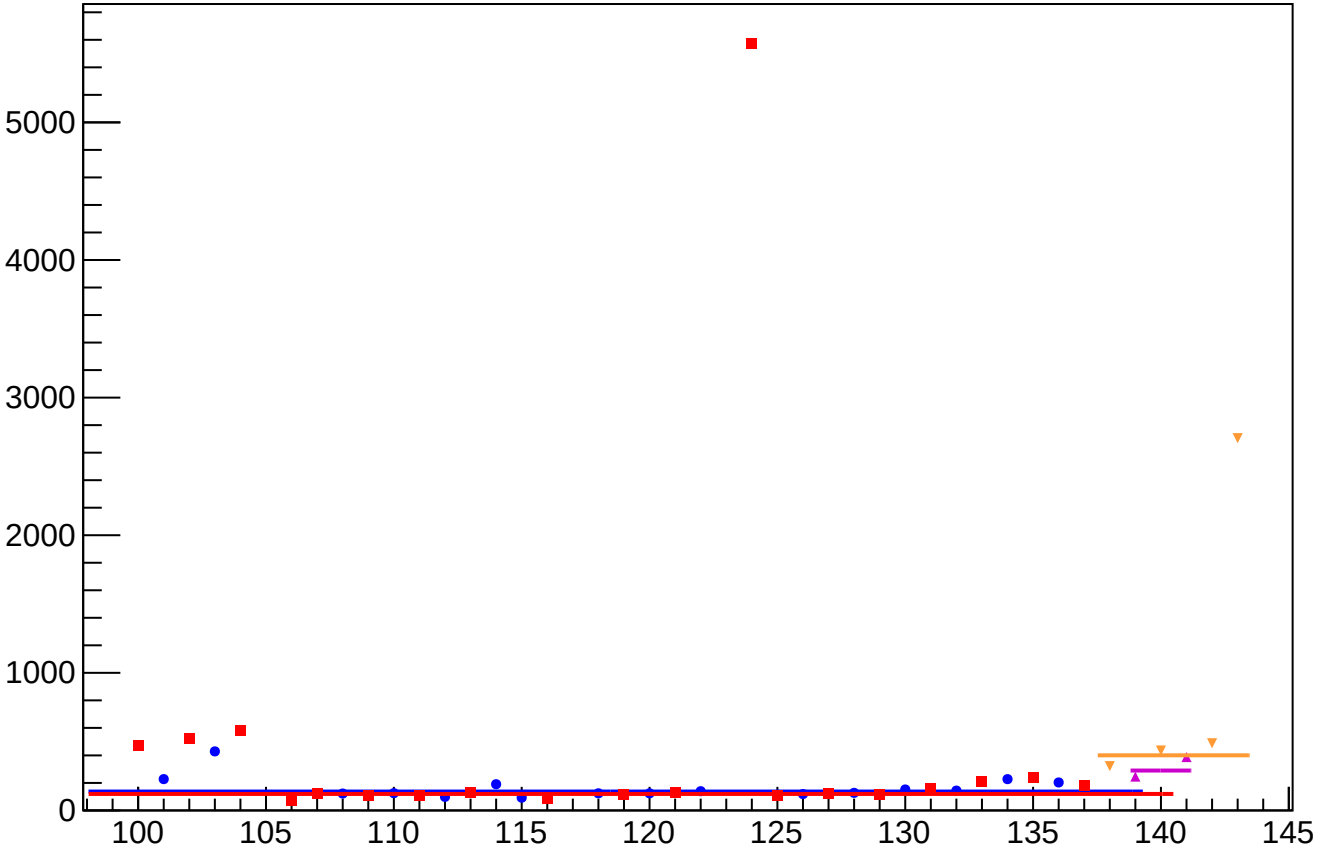
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.052+/-0.054 χ^2/NDF:23.1/17

Out: 0.012+/-0.050 χ^2/NDF:34.0/22

All: -0.017+/-0.037 χ^2/NDF: 57.8/40

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: 400.680+/-0.194 χ^2/NDF:1311683.2/3

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 289.998+/-0.164 χ^2/NDF:160008.8/1

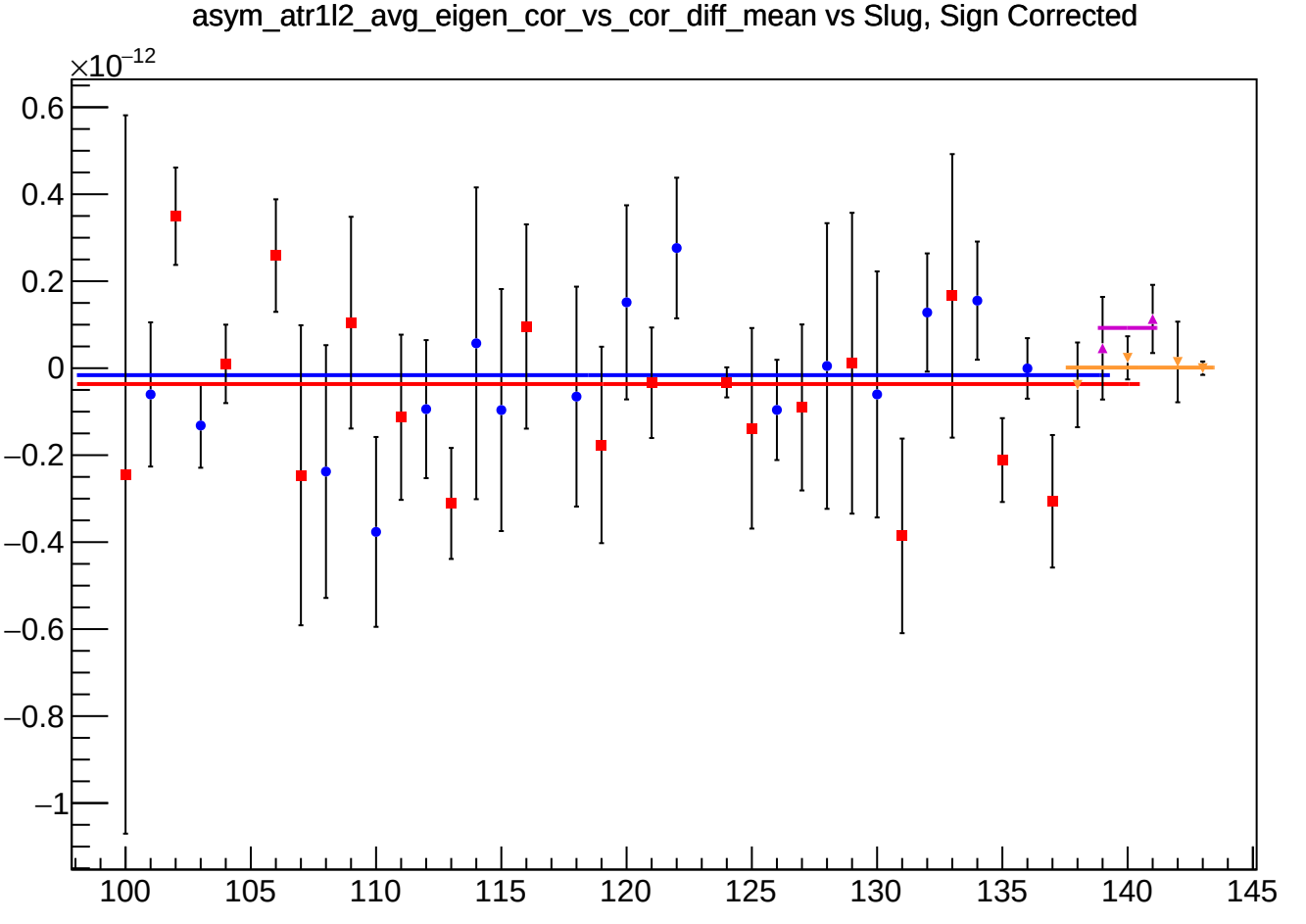
Left: 336.225+/-0.125 χ^2/NDF: 1662215.2/5

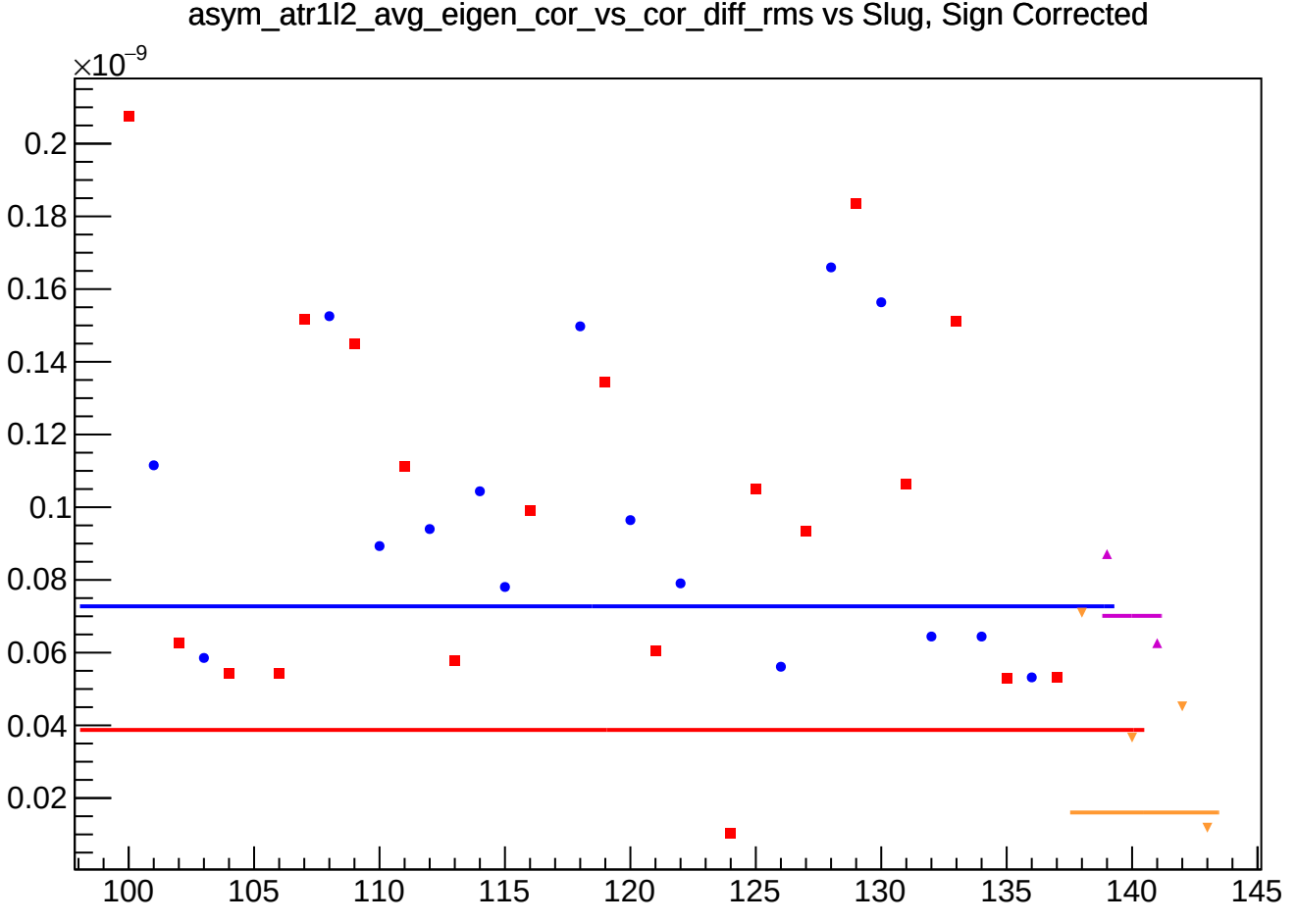
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 145.768+/-0.038 χ^2/NDF:2247784.5/17

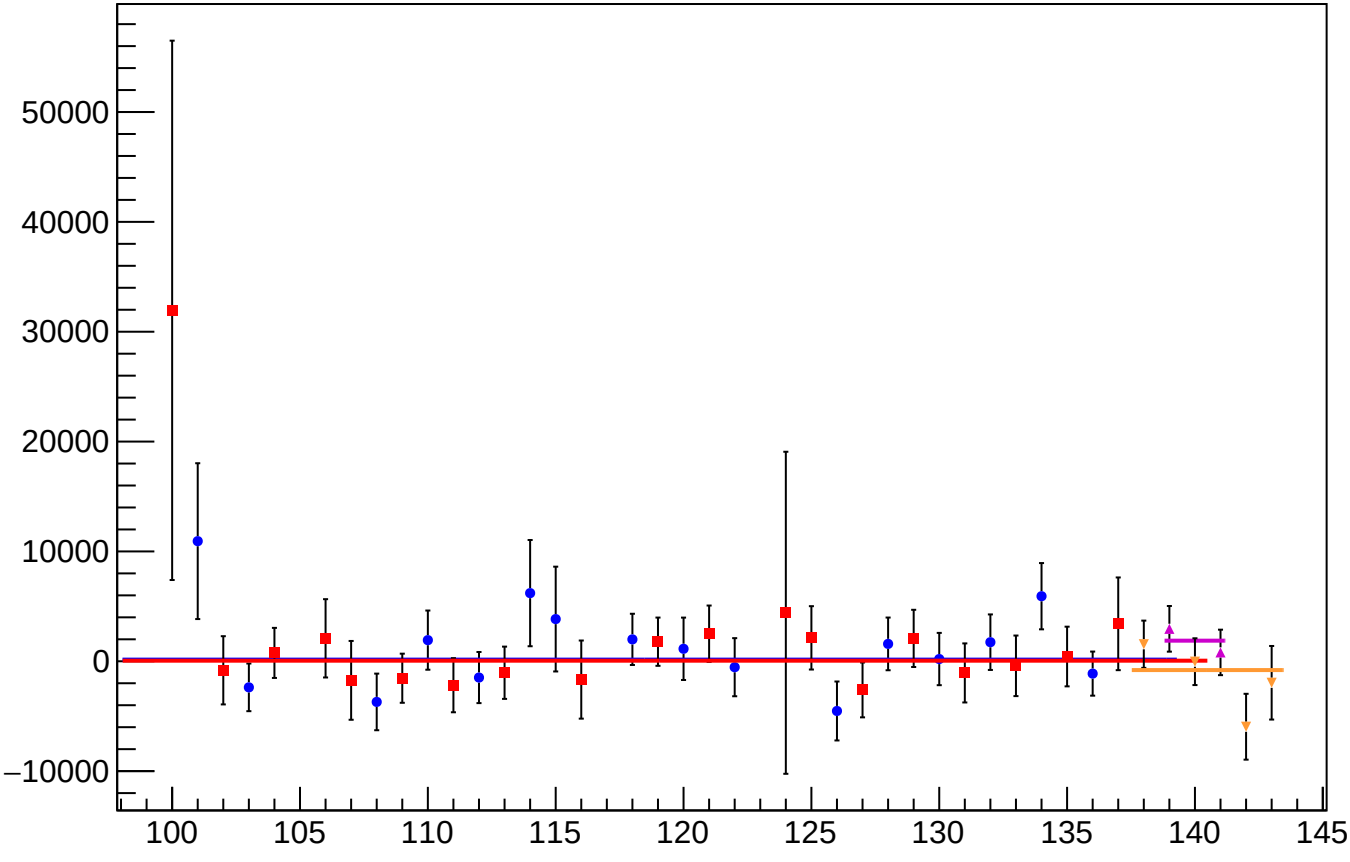
Out: 129.401+/-0.035 χ^2/NDF:5484944.3/22

All: 136.926+/-0.026 χ^2/NDF: 7831006.1/40


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
145
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.4/3
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: 2.5/5
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:35.2/22
All: -0.000+/-0.000 χ²/NDF: 50.1/40


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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
145
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1326974.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:59775.2/1
Left: 0.000+/-0.000 χ²/NDF: 2695098.4/5
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:1190243.0/17
Out: 0.000+/-0.000 χ²/NDF:6801252.0/22
All: 0.000+/-0.000 χ²/NDF: 12239320.6/40

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -800.810+/-1252.592 χ^2/NDF:4.4/3

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 1876.008+/-1466.512 χ^2/NDF:0.5/1

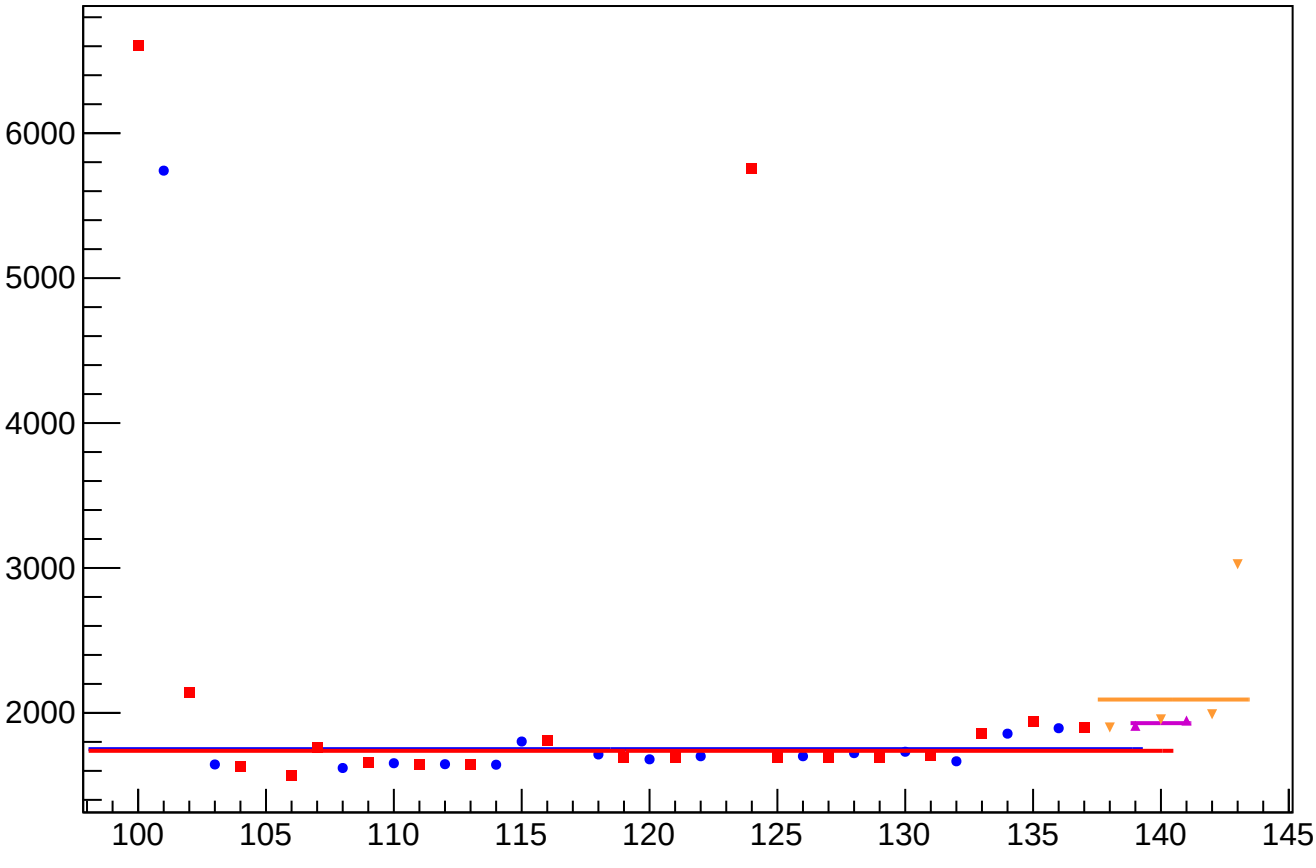
Left: 328.301+/-952.455 χ^2/NDF: 6.9/5

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 446.465+/-607.173 χ^2/NDF:19.3/17

Out: -129.584+/-580.618 χ^2/NDF:13.7/22

All: 145.568+/-419.633 χ^2/NDF: 33.5/40



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

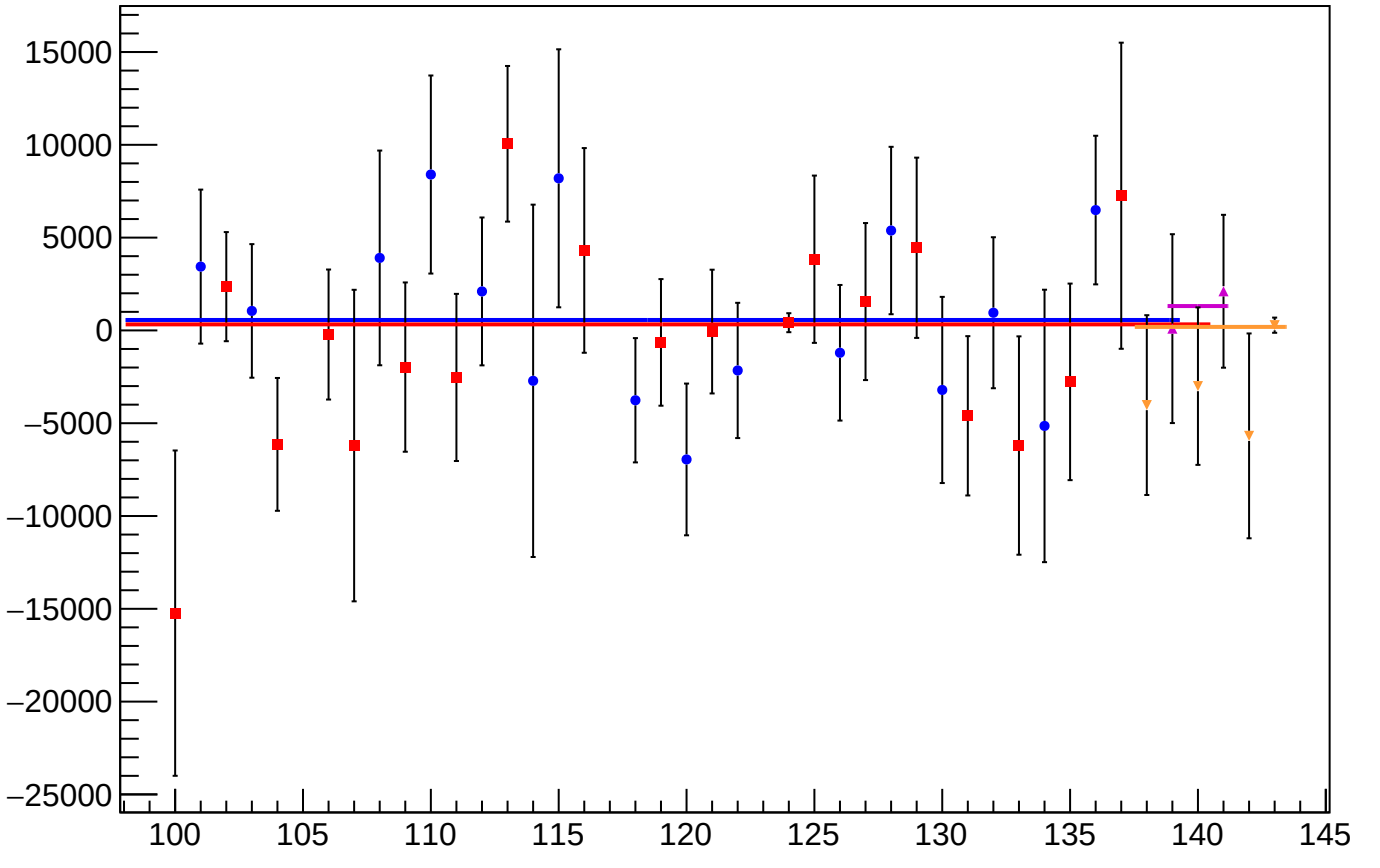
Left: 2023.549+/-0.673 χ^2/NDF: 196602.8/5

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1780.631+/-0.429 χ^2/NDF:694704.9/17

Out: 1813.632+/-0.408 χ^2/NDF:612174.1/22

All: 1797.964+/-0.296 χ^2/NDF: 1309982.1/40



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 189.107+/-404.683 χ^2/NDF:2.5/3

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: 1312.417+/-3201.238 χ^2/NDF:0.1/1

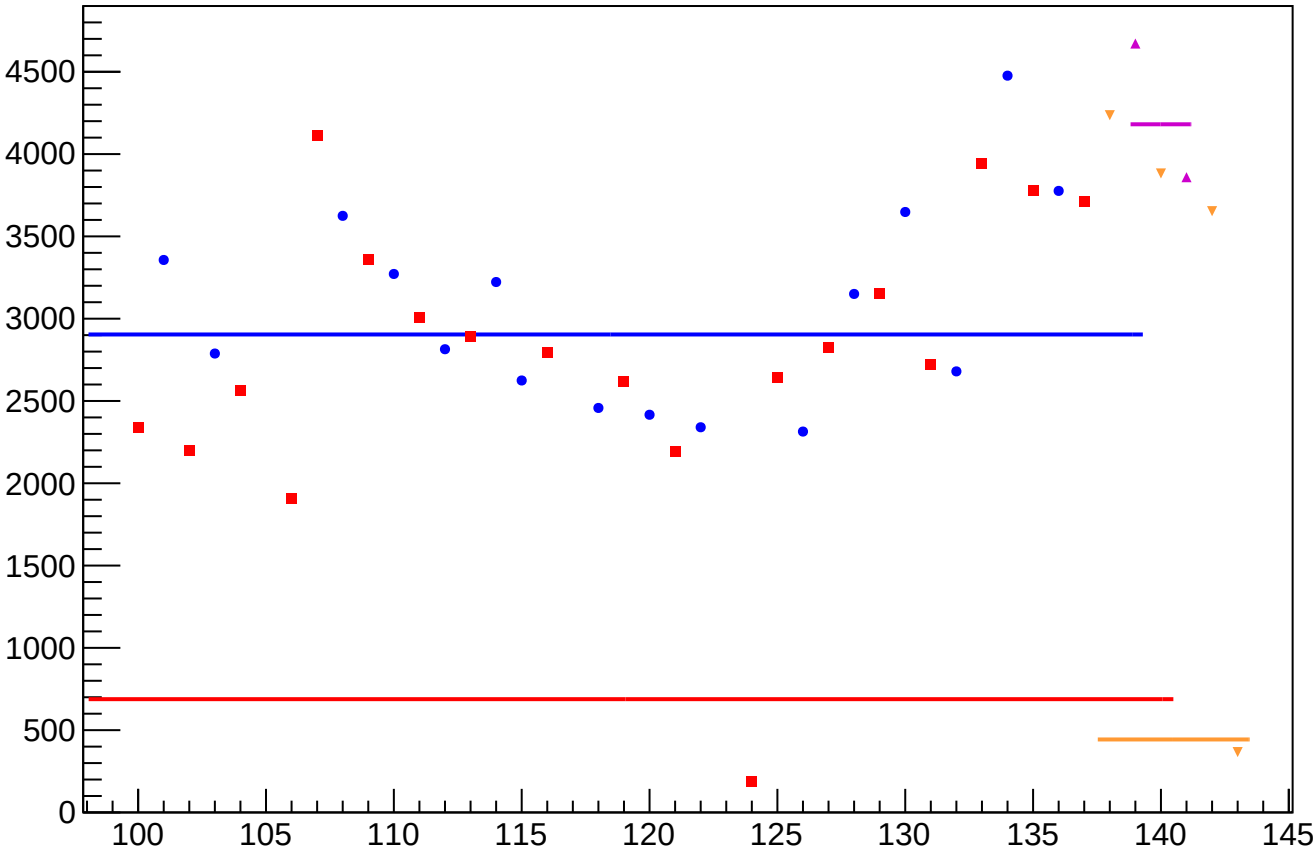
Left: 206.776+/-401.488 χ^2/NDF: 2.7/5

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 641.700+/-1041.281 χ^2/NDF:15.0/17

Out: 248.943+/-303.246 χ^2/NDF:21.8/22

All: 279.649+/-291.151 χ^2/NDF: 36.9/40



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 443.439+/-0.286 χ^2/NDF:3287077.6/3

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: 502.229+/-0.284 χ^2/NDF: 6001355.5/5

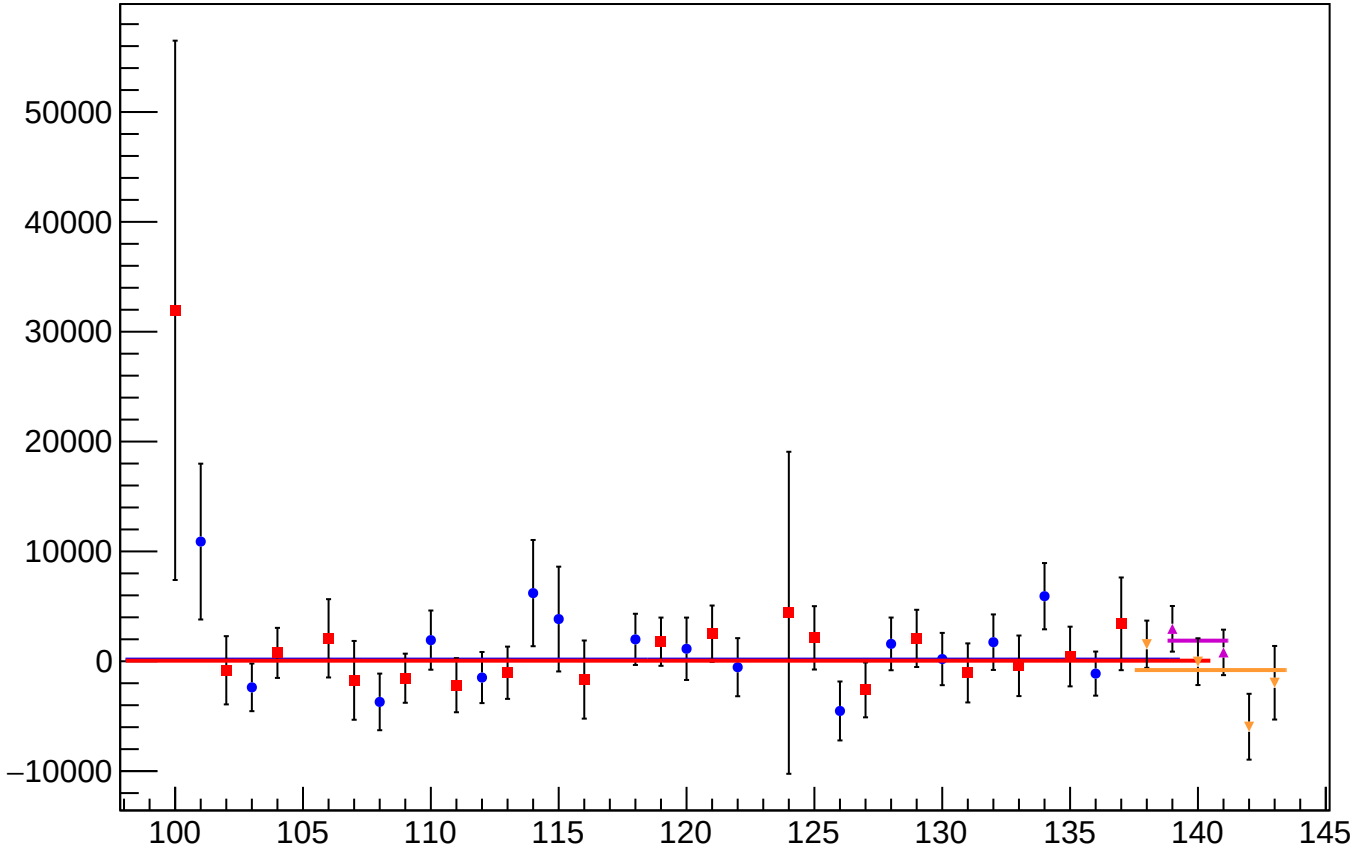
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3039.172+/-0.736 χ^2/NDF:795140.5/17

Out: 550.816+/-0.214 χ^2/NDF:13757108.8/22

All: 745.357+/-0.206 χ^2/NDF: 25080707.0/40

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -800.915+/-1252.592 χ^2/NDF:4.4/3

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1876.340+/-1466.512 χ^2/NDF:0.5/1

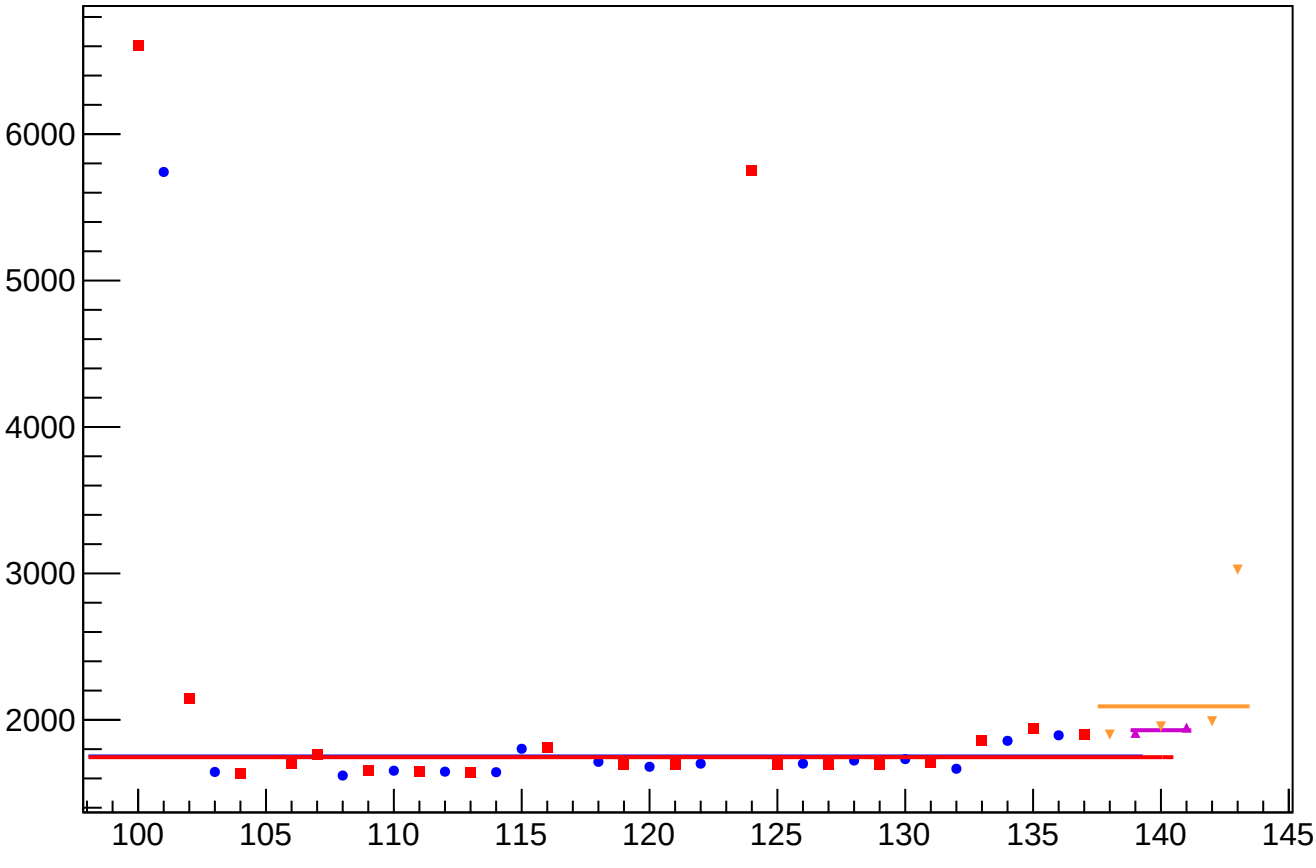
Left: 328.380+/-952.455 χ^2/NDF: 6.9/5

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 446.134+/-607.173 χ^2/NDF:19.3/17

Out: -129.566+/-580.618 χ^2/NDF:13.7/22

All: 145.420+/-419.633 χ^2/NDF: 33.5/40



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

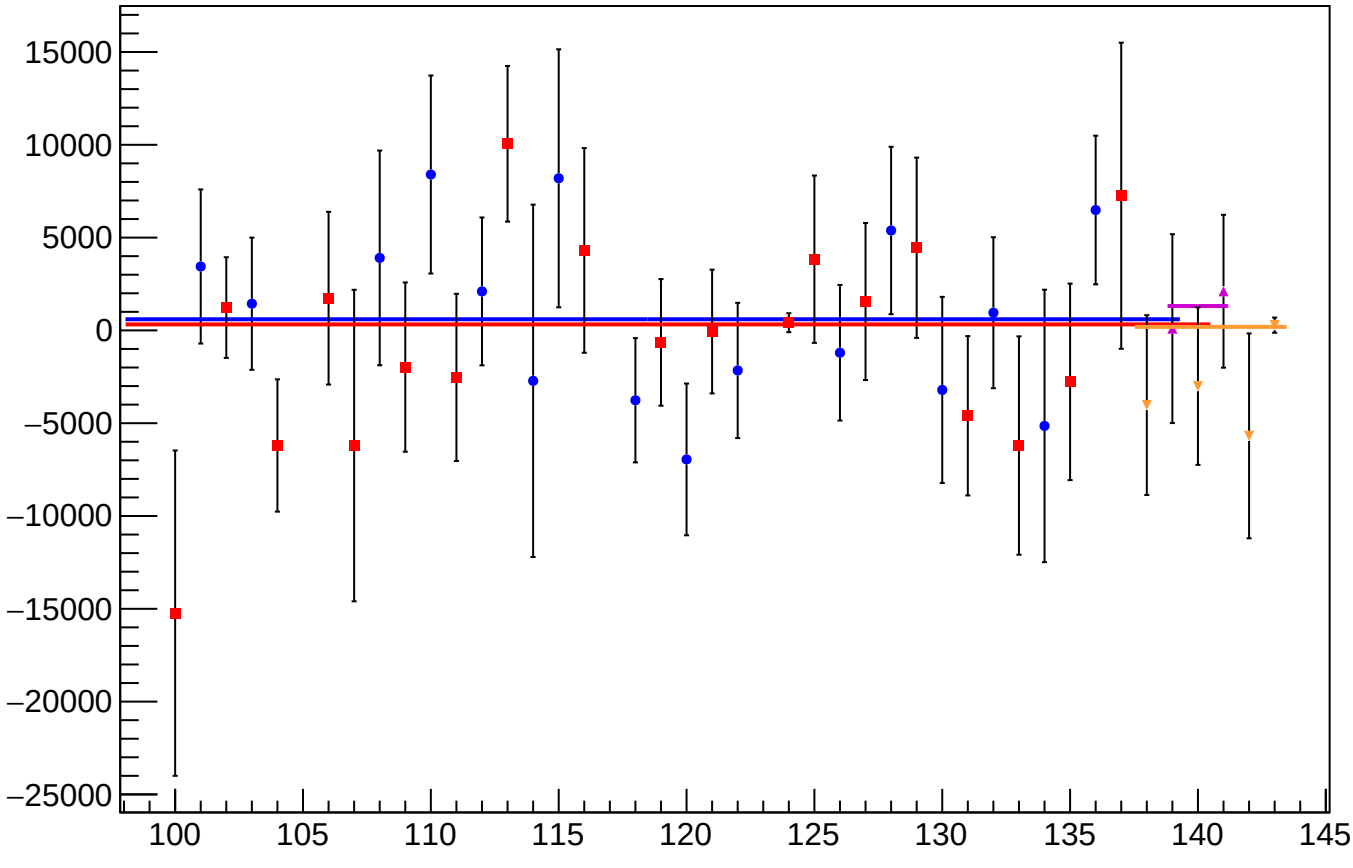
Left: 2023.549+/-0.673 χ^2/NDF: 196602.8/5

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1780.631+/-0.429 χ^2/NDF:694705.2/17

Out: 1819.326+/-0.409 χ^2/NDF:600762.7/22

All: 1800.900+/-0.296 χ^2/NDF: 1299722.7/40



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 190.116+/-404.718 χ^2/NDF:2.5/3

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1312.259+/-3201.229 χ^2/NDF:0.1/1

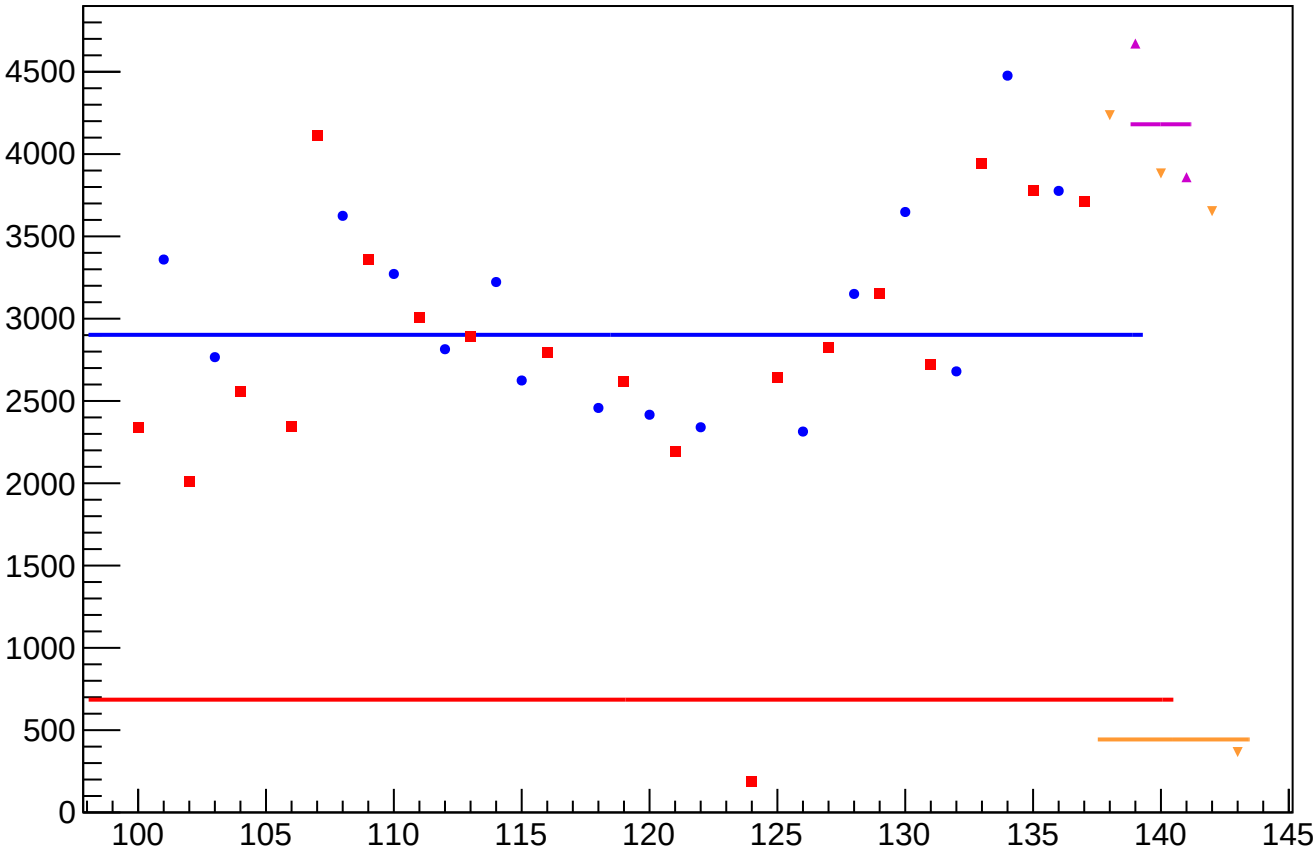
Left: 207.770+/-401.522 χ^2/NDF: 2.7/5

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 675.413+/-1040.403 χ^2/NDF:15.0/17

Out: 248.331+/-303.526 χ^2/NDF:21.6/22

All: 281.830+/-291.379 χ^2/NDF: 36.7/40



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 443.493+/-0.286 χ^2/NDF:3286996.3/3

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4181.060+/-2.264 χ^2/NDF:30777.5/1

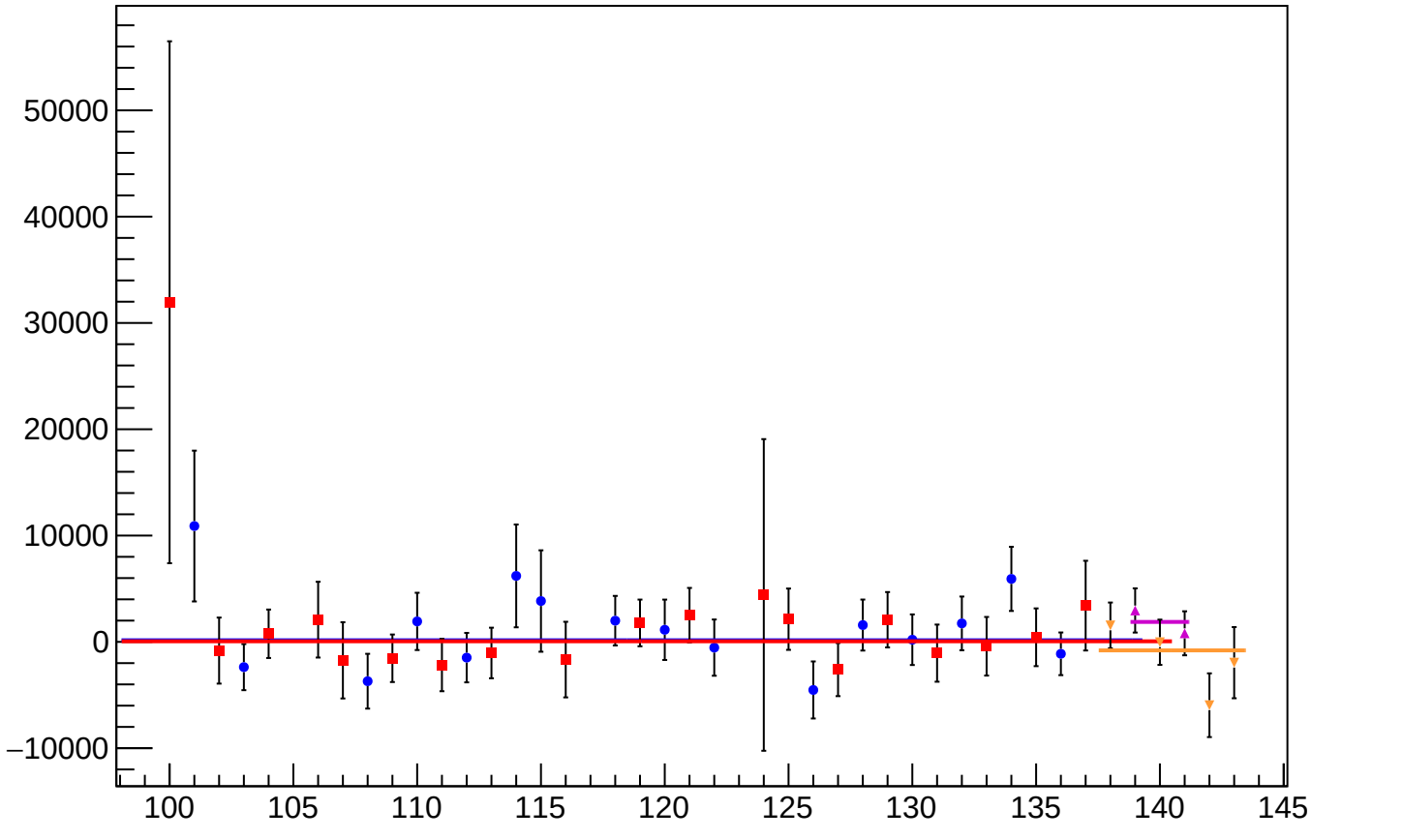
Left: 502.292+/-0.284 χ^2/NDF: 6001188.4/5

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3036.978+/-0.736 χ^2/NDF:797333.6/17

Out: 549.276+/-0.215 χ^2/NDF:13705066.4/22

All: 744.400+/-0.206 χ^2/NDF: 25040167.7/40



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -800.915+/-1252.592 χ^2/NDF:4.4/3

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1876.340+/-1466.512 χ^2/NDF:0.5/1

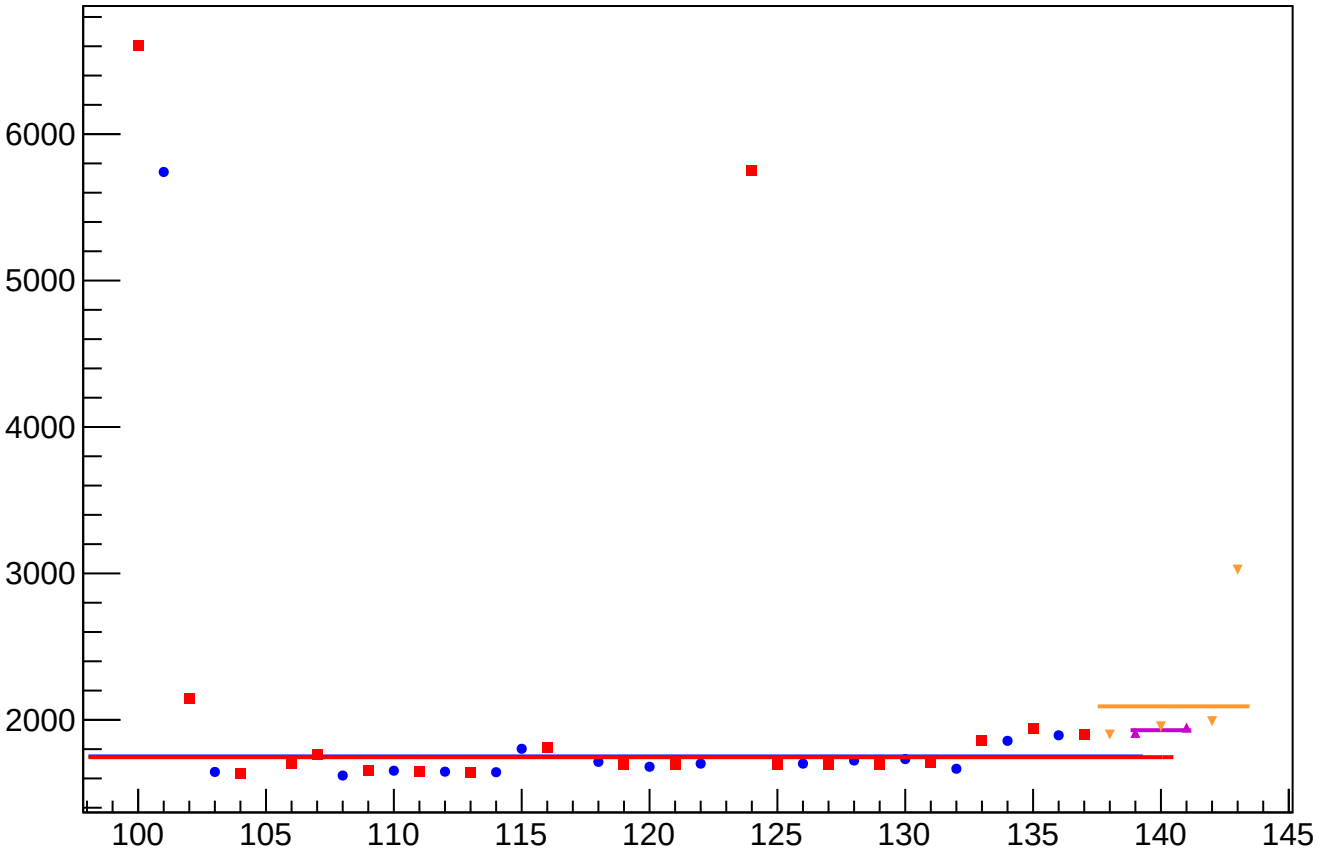
Left: 328.380+/-952.455 χ^2/NDF: 6.9/5

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 446.134+/-607.173 χ^2/NDF:19.3/17

Out: -129.566+/-580.618 χ^2/NDF:13.7/22

All: 145.420+/-419.633 χ^2/NDF: 33.5/40



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2092.270+/-0.886 χ^2/NDF:182025.5/3

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1929.351+/-1.037 χ^2/NDF:305.8/1

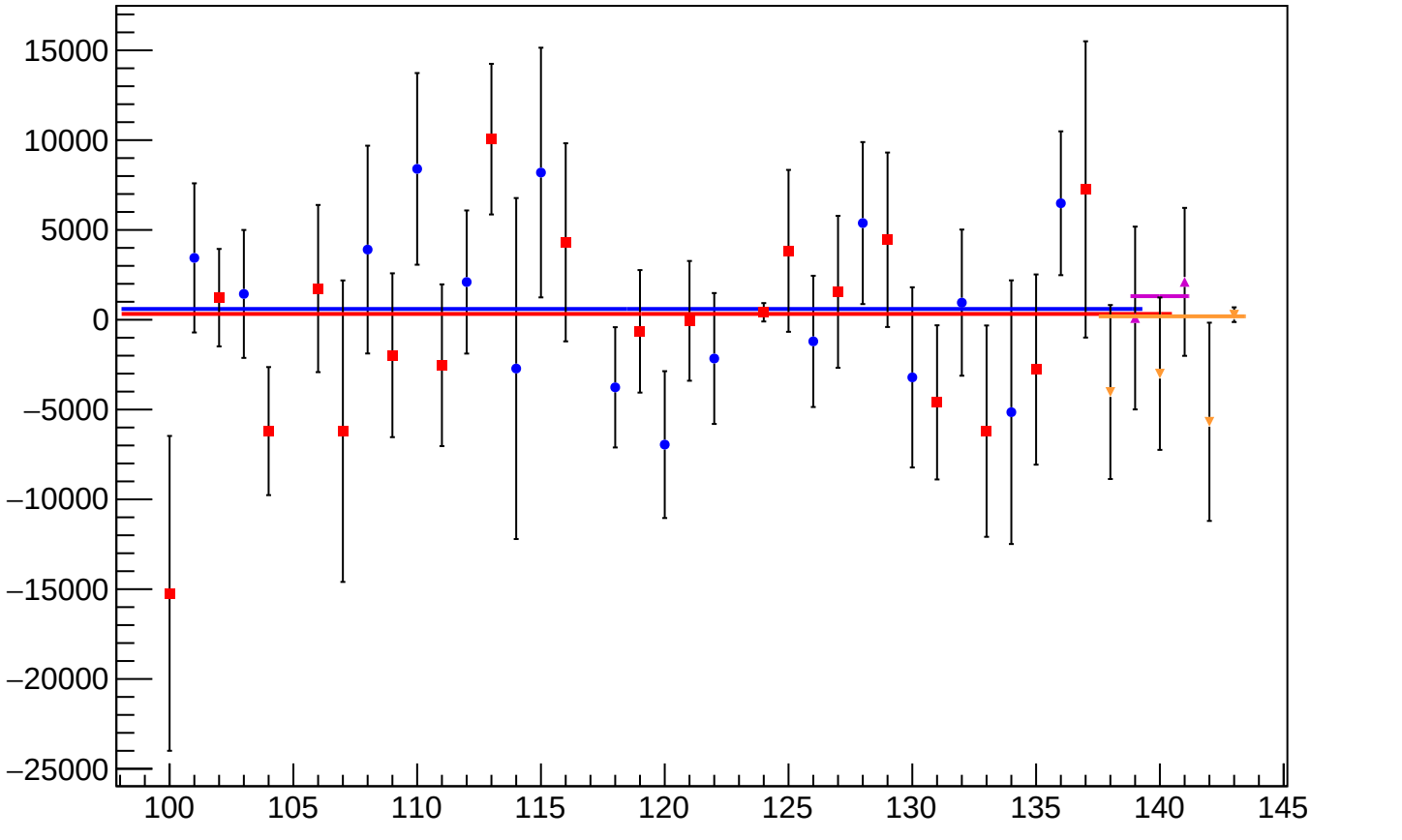
Left: 2023.549+/-0.673 χ^2/NDF: 196602.8/5

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1780.631+/-0.429 χ^2/NDF:694705.2/17

Out: 1819.326+/-0.409 χ^2/NDF:600762.7/22

All: 1800.900+/-0.296 χ^2/NDF: 1299722.7/40



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 190.116+/-404.718 χ^2/NDF:2.5/3

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1312.259+/-3201.229 χ^2/NDF:0.1/1

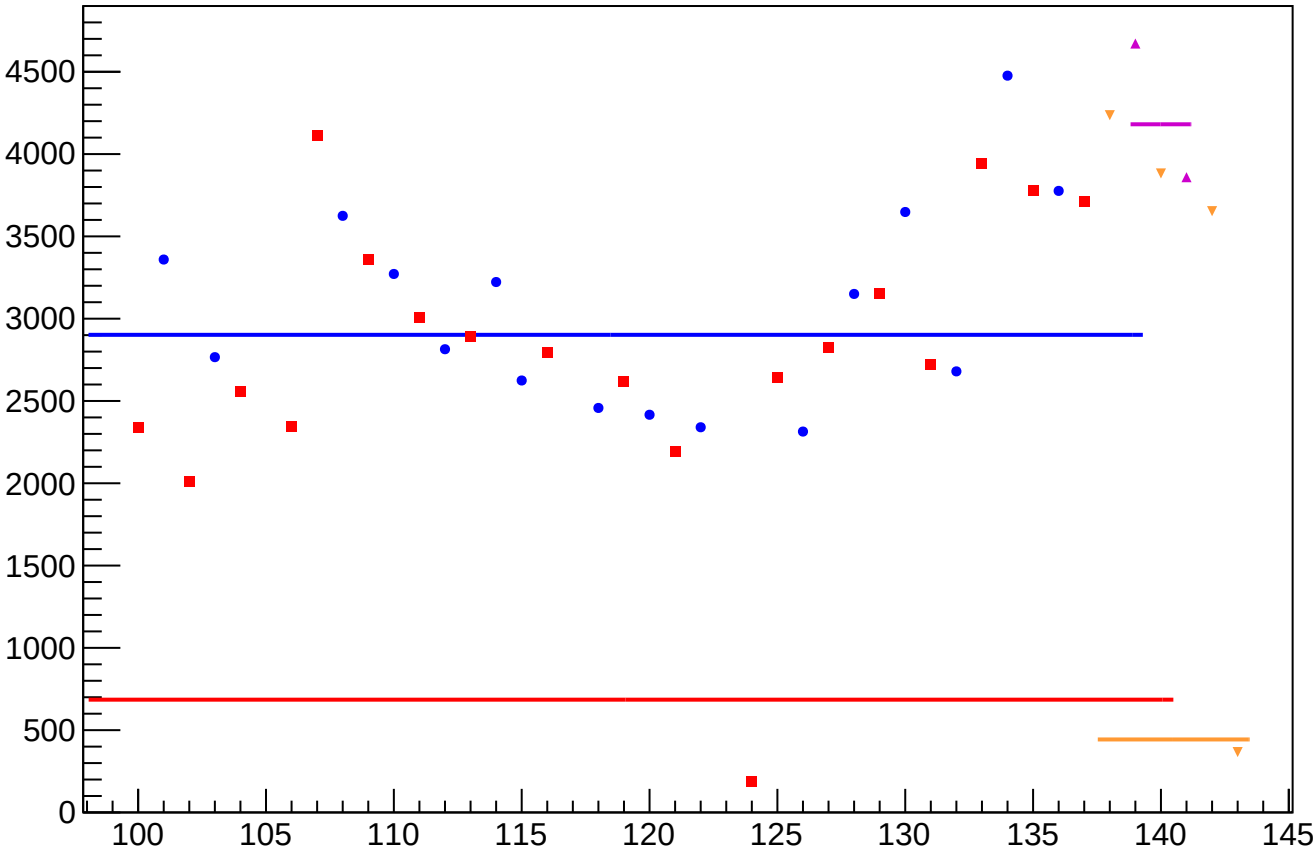
Left: 207.770+/-401.522 χ^2/NDF: 2.7/5

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 675.413+/-1040.403 χ^2/NDF:15.0/17

Out: 248.331+/-303.526 χ^2/NDF:21.6/22

All: 281.830+/-291.379 χ^2/NDF: 36.7/40



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 443.493+/-0.286 χ^2/NDF:3286996.3/3

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4181.060+/-2.264 χ^2/NDF:30777.5/1

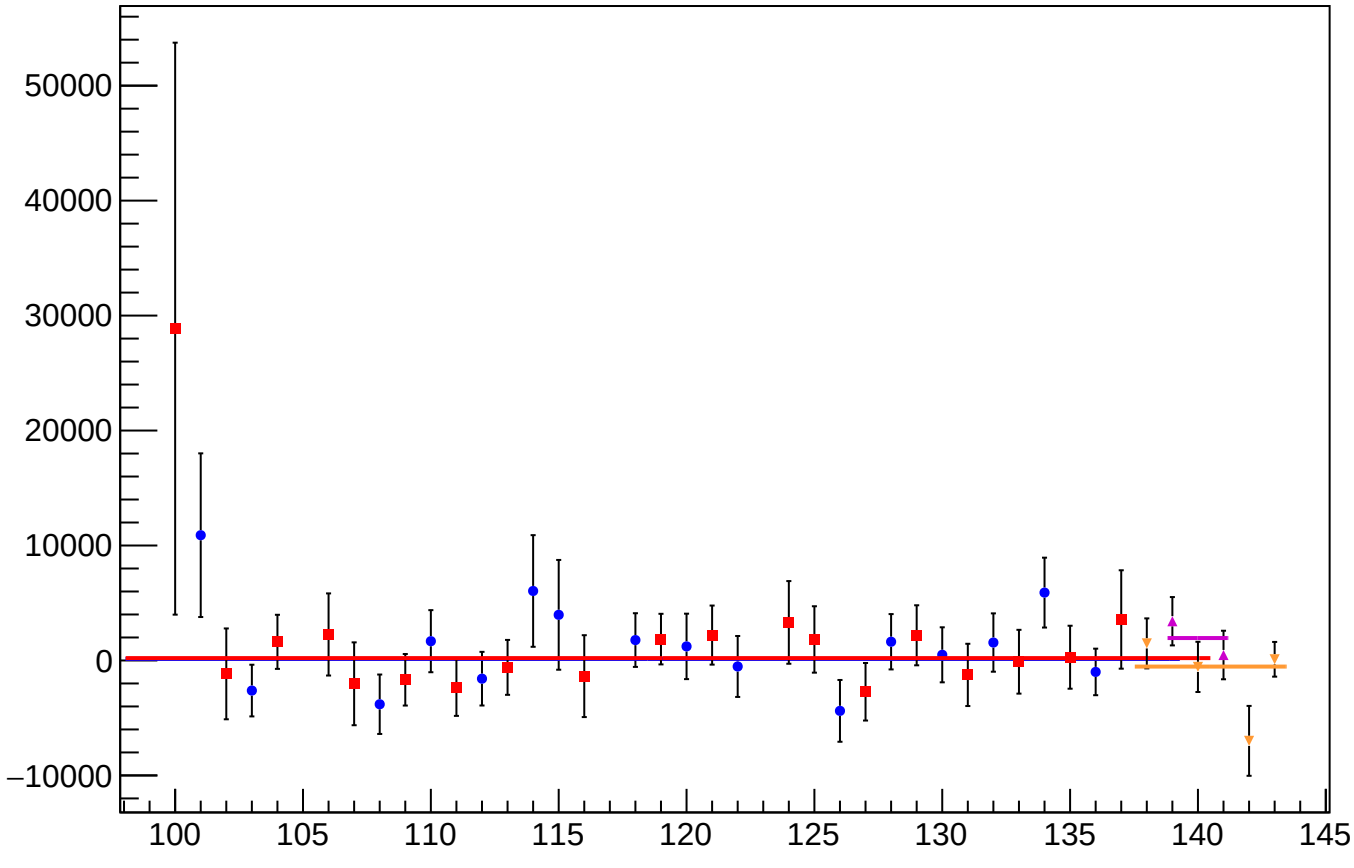
Left: 502.292+/-0.284 χ^2/NDF: 6001188.4/5

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3036.978+/-0.736 χ^2/NDF:797333.6/17

Out: 549.276+/-0.215 χ^2/NDF:13705066.4/22

All: 744.400+/-0.206 χ^2/NDF: 25040167.7/40



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -531.480+/-1016.494 χ^2/NDF:5.6/3

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: 256.990+/-839.662 χ^2/NDF: 8.4/5

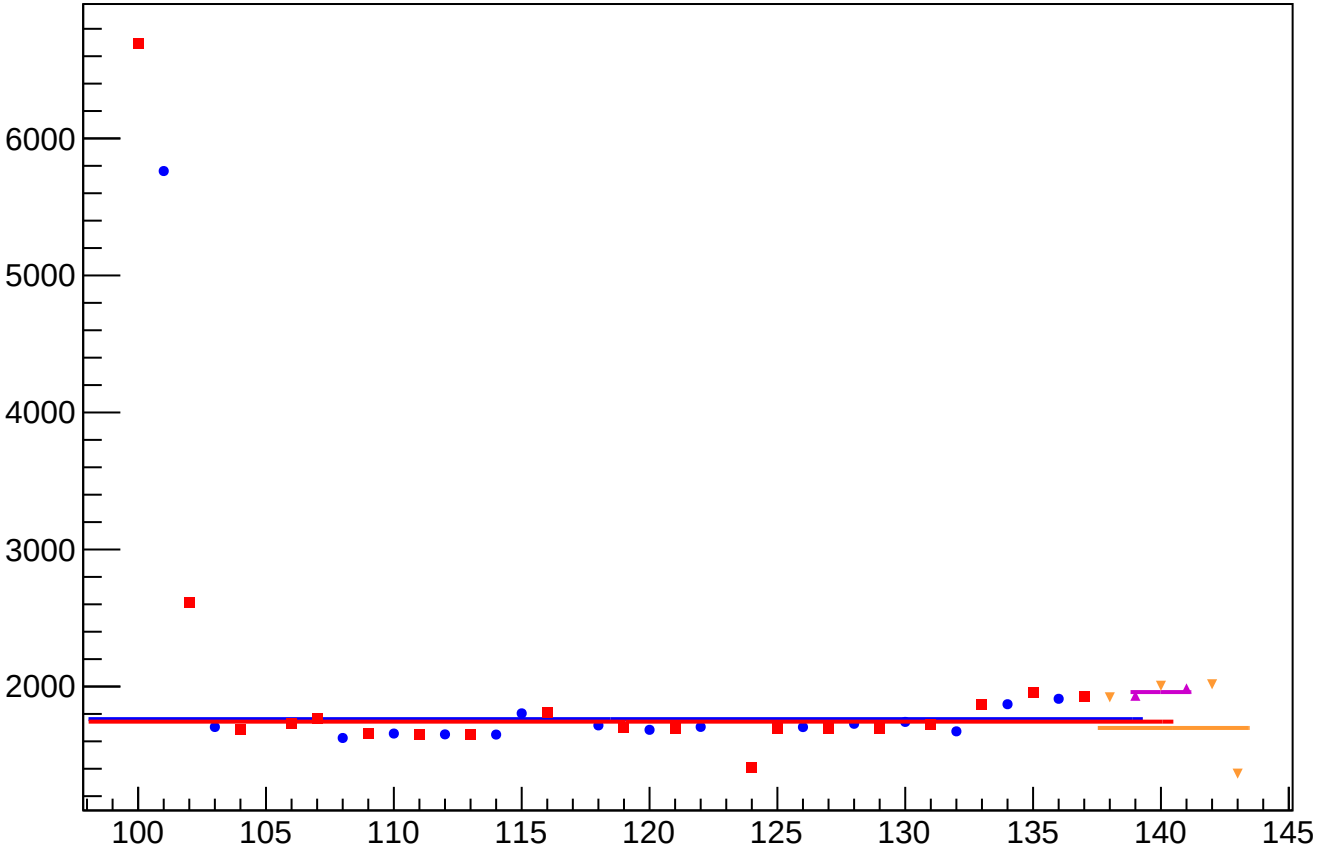
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 440.709+/-612.277 χ^2/NDF:19.5/17

Out: -10.520+/-550.262 χ^2/NDF:15.6/22

All: 191.093+/-409.268 χ^2/NDF: 35.4/40

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1697.706+/-0.719 χ^2/NDF:180386.6/3

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1959.595+/-1.053 χ^2/NDF:653.0/1

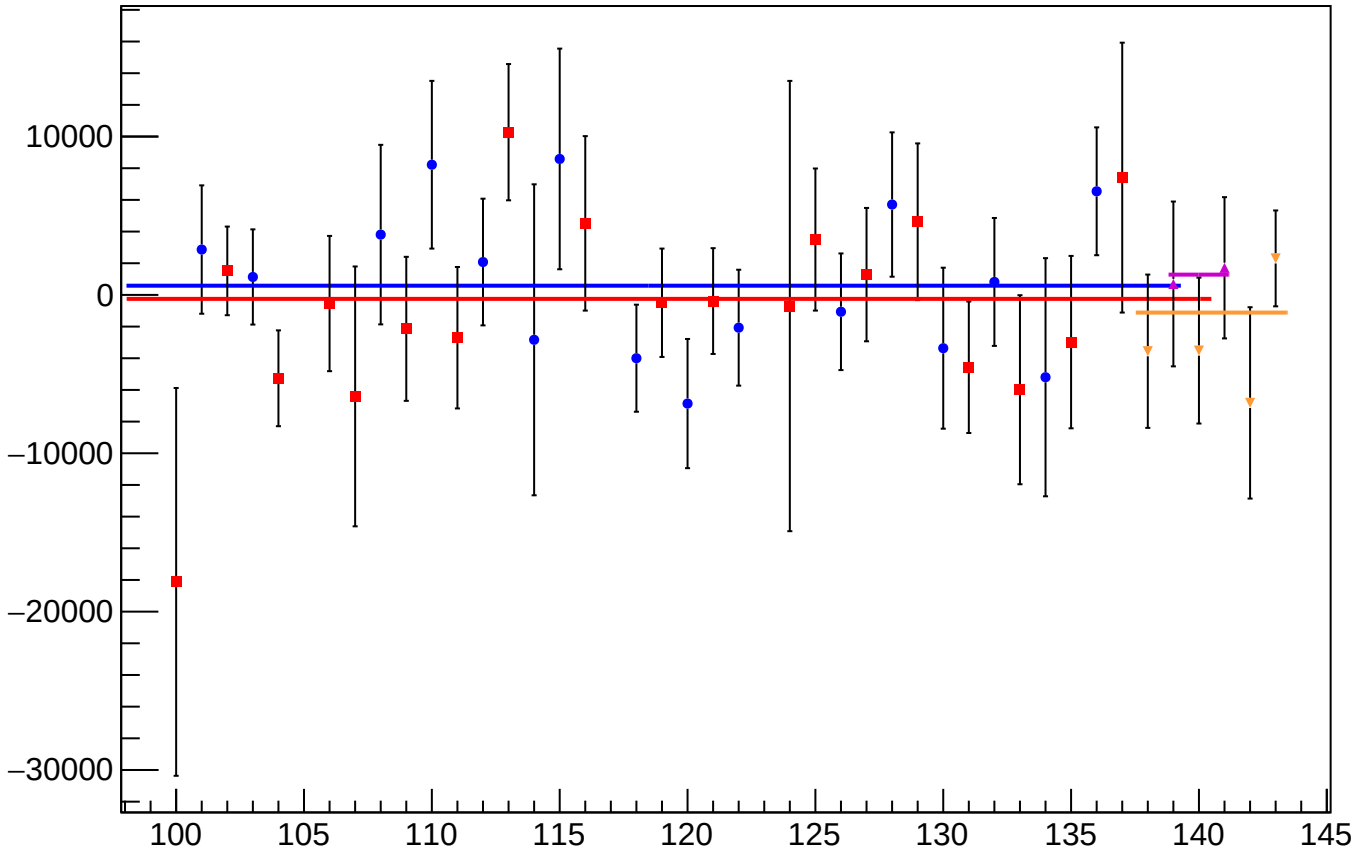
Left: 1780.899+/-0.594 χ^2/NDF: 223211.3/5

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1795.419+/-0.433 χ^2/NDF:697575.1/17

Out: 1730.293+/-0.388 χ^2/NDF:411051.2/22

All: 1759.326+/-0.289 χ^2/NDF: 1121166.5/40



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1115.817+/-2101.876 χ^2/NDF:2.7/3

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: 1280.575+/-3386.370 χ^2/NDF:0.0/1

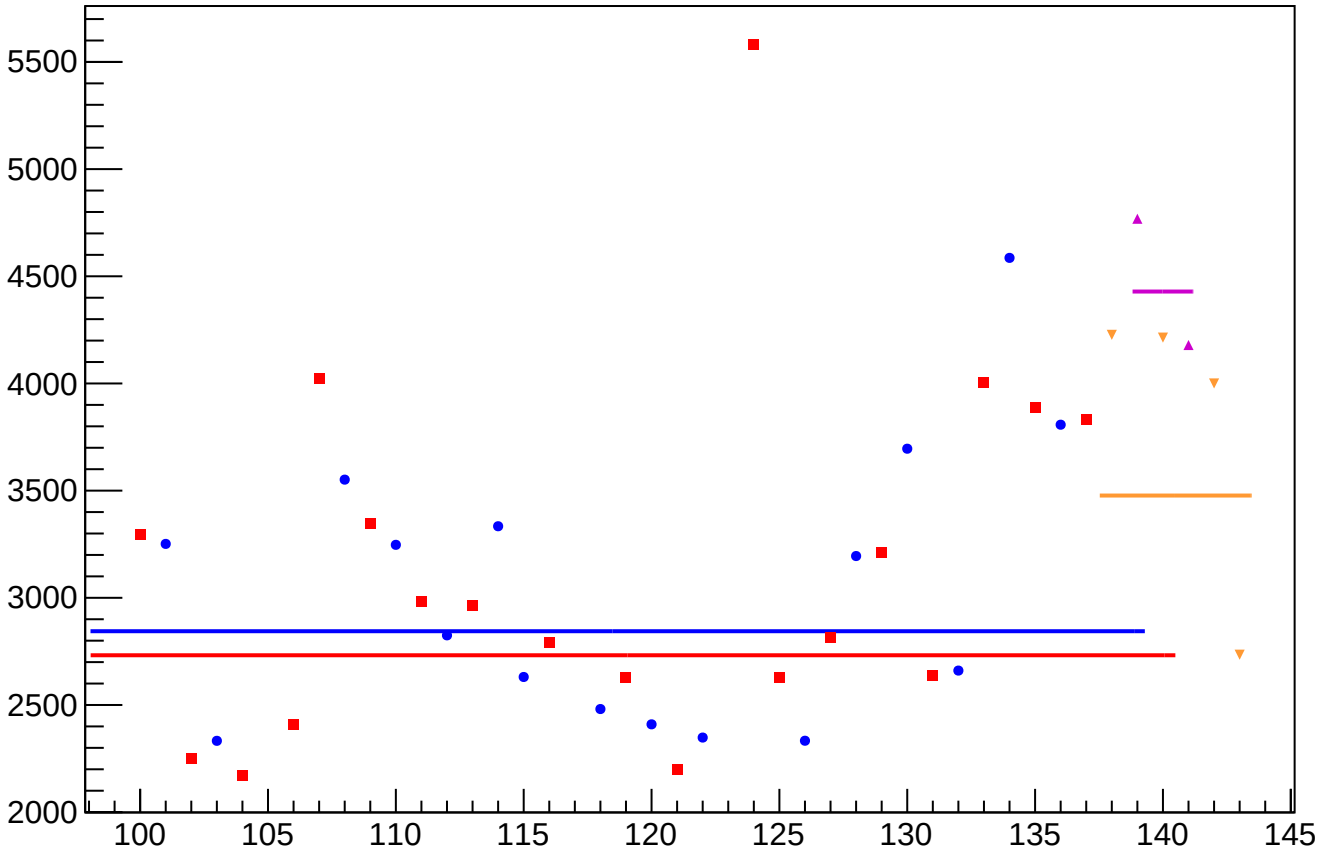
Left: -449.357+/-1785.840 χ^2/NDF: 3.1/5

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 646.858+/-1030.219 χ^2/NDF:14.9/17

Out: -415.480+/-918.392 χ^2/NDF:20.8/22

All: 54.923+/-685.541 χ^2/NDF: 36.3/40



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3477.123+/-1.486 χ^2/NDF:234475.6/3

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4428.854+/-2.395 χ^2/NDF:14778.2/1

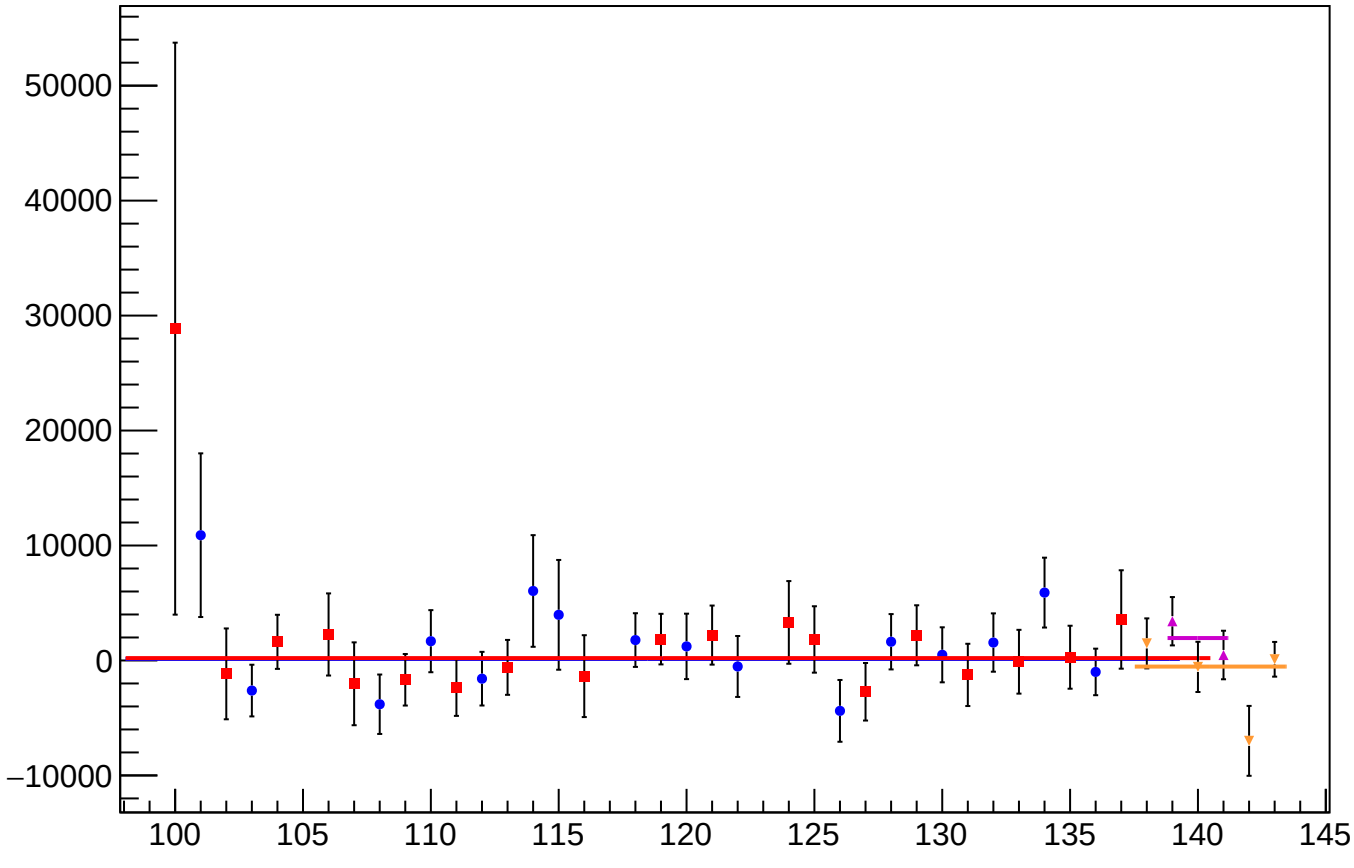
Left: 3741.809+/-1.263 χ^2/NDF: 363294.6/5

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 2990.821+/-0.728 χ^2/NDF:954256.1/17

Out: 2874.238+/-0.649 χ^2/NDF:1049123.2/22

All: 2925.861+/-0.485 χ^2/NDF: 2017650.4/40



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -531.489+/-1016.494 χ^2/NDF:5.6/3

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 1950.616+/-1489.777 χ^2/NDF:1.0/1

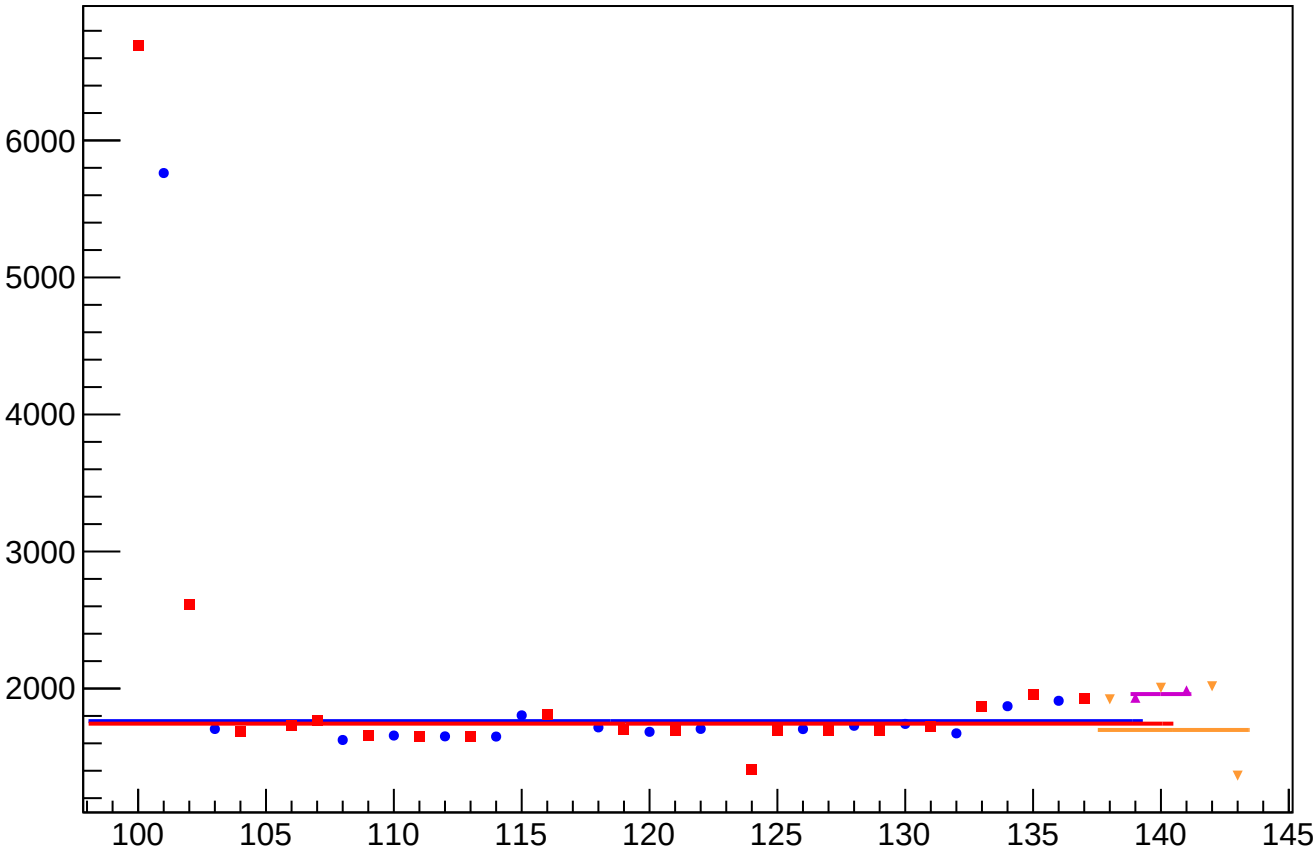
Left: 256.984+/-839.662 χ^2/NDF: 8.4/5

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 440.708+/-612.277 χ^2/NDF:19.5/17

Out: -10.523+/-550.262 χ^2/NDF:15.6/22

All: 191.090+/-409.268 χ^2/NDF: 35.4/40



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1697.707+/-0.719 χ^2/NDF:180387.1/3

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1959.596+/-1.053 χ^2/NDF:653.0/1

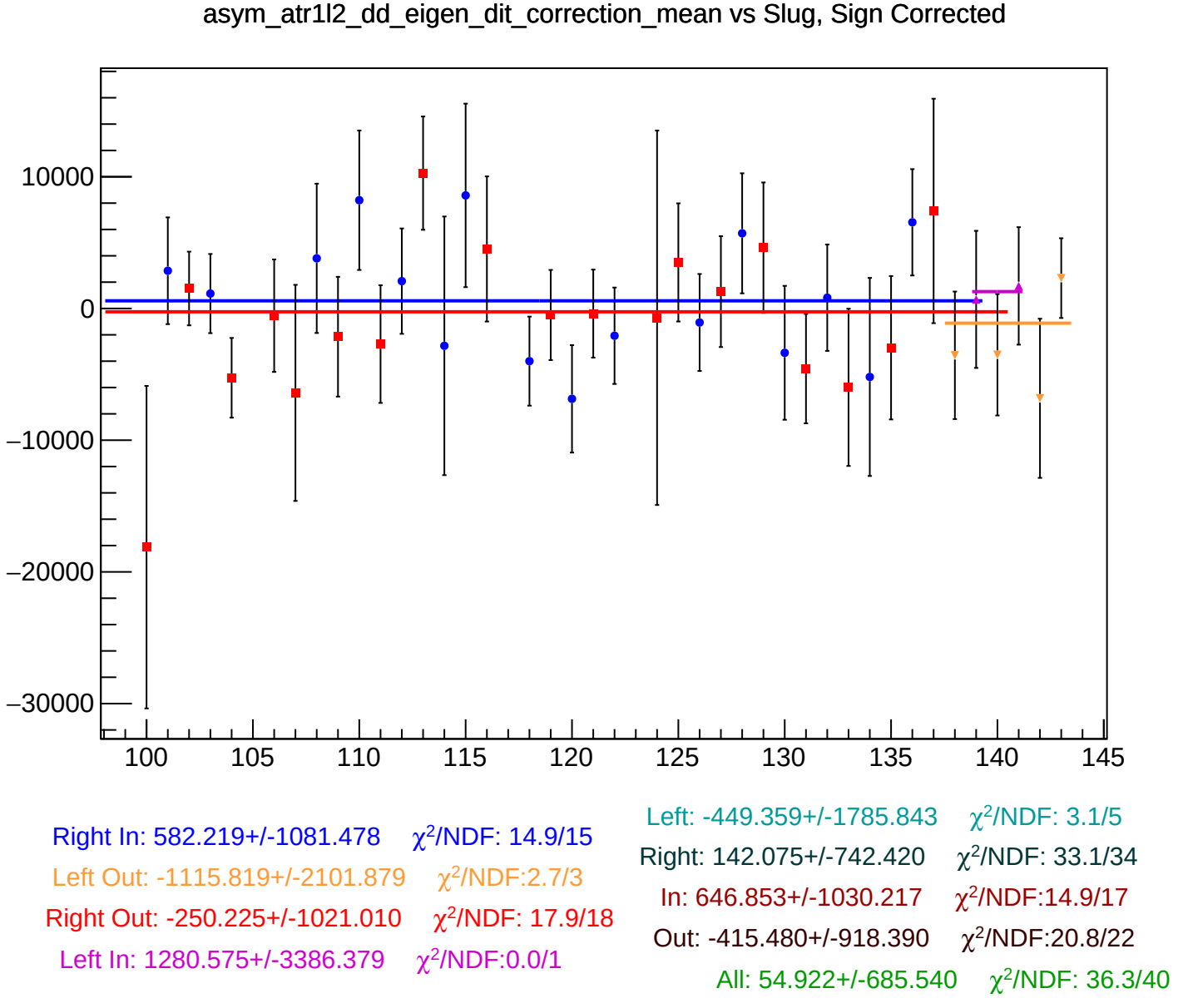
Left: 1780.899+/-0.594 χ^2/NDF: 223212.0/5

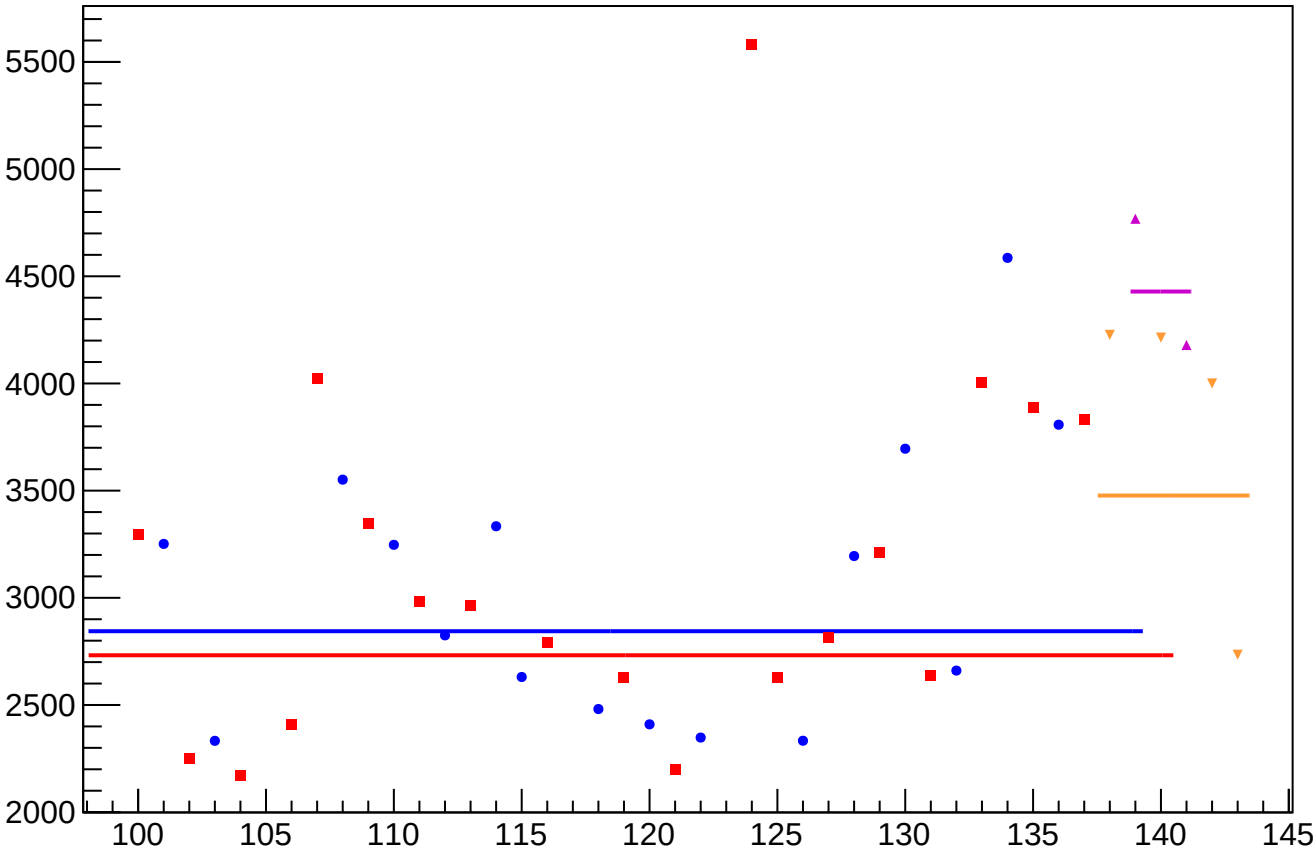
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1795.419+/-0.433 χ^2/NDF:697575.3/17

Out: 1730.294+/-0.388 χ^2/NDF:411051.7/22

All: 1759.326+/-0.289 χ^2/NDF: 1121167.3/40


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: -1115.819+/-2101.879 χ²/NDF:2.7/3
Right Out: -250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: 1280.575+/-3386.379 χ²/NDF:0.0/1
Left: -449.359+/-1785.843 χ²/NDF: 3.1/5
Right: 142.075+/-742.420 χ²/NDF: 33.1/34
In: 646.853+/-1030.217 χ²/NDF:14.9/17
Out: -415.480+/-918.390 χ²/NDF:20.8/22
All: 54.922+/-685.540 χ²/NDF: 36.3/40



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3477.128+/-1.486 χ^2/NDF:234478.9/3

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: 3741.815+/-1.263 χ^2/NDF: 363299.5/5

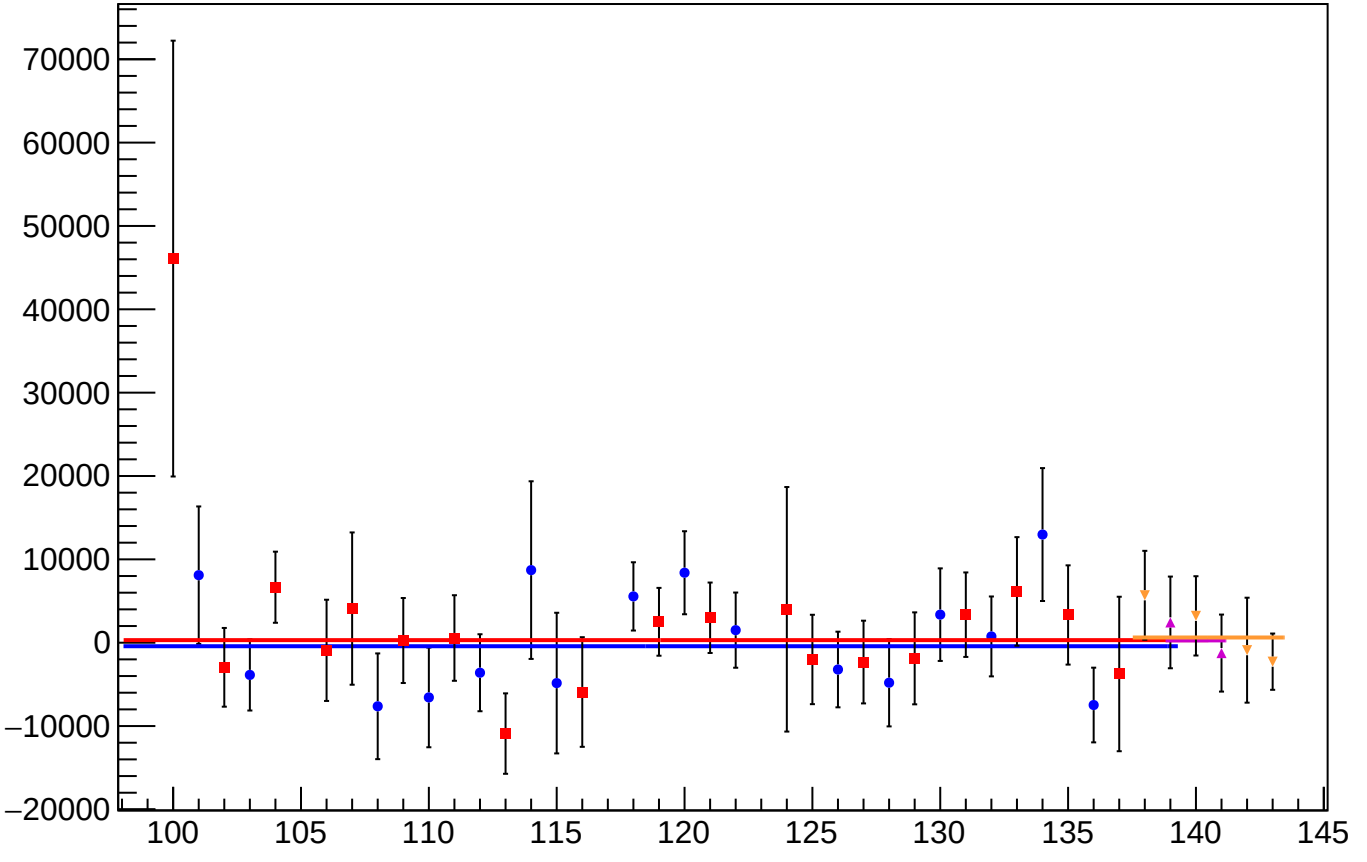
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 2990.814+/-0.728 χ^2/NDF:954267.9/17

Out: 2874.233+/-0.649 χ^2/NDF:1049128.9/22

All: 2925.855+/-0.485 χ^2/NDF: 2017667.3/40

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 624.156+/-2280.005 χ^2/NDF:2.0/3

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: 522.121+/-1916.534 χ^2/NDF: 2.3/5

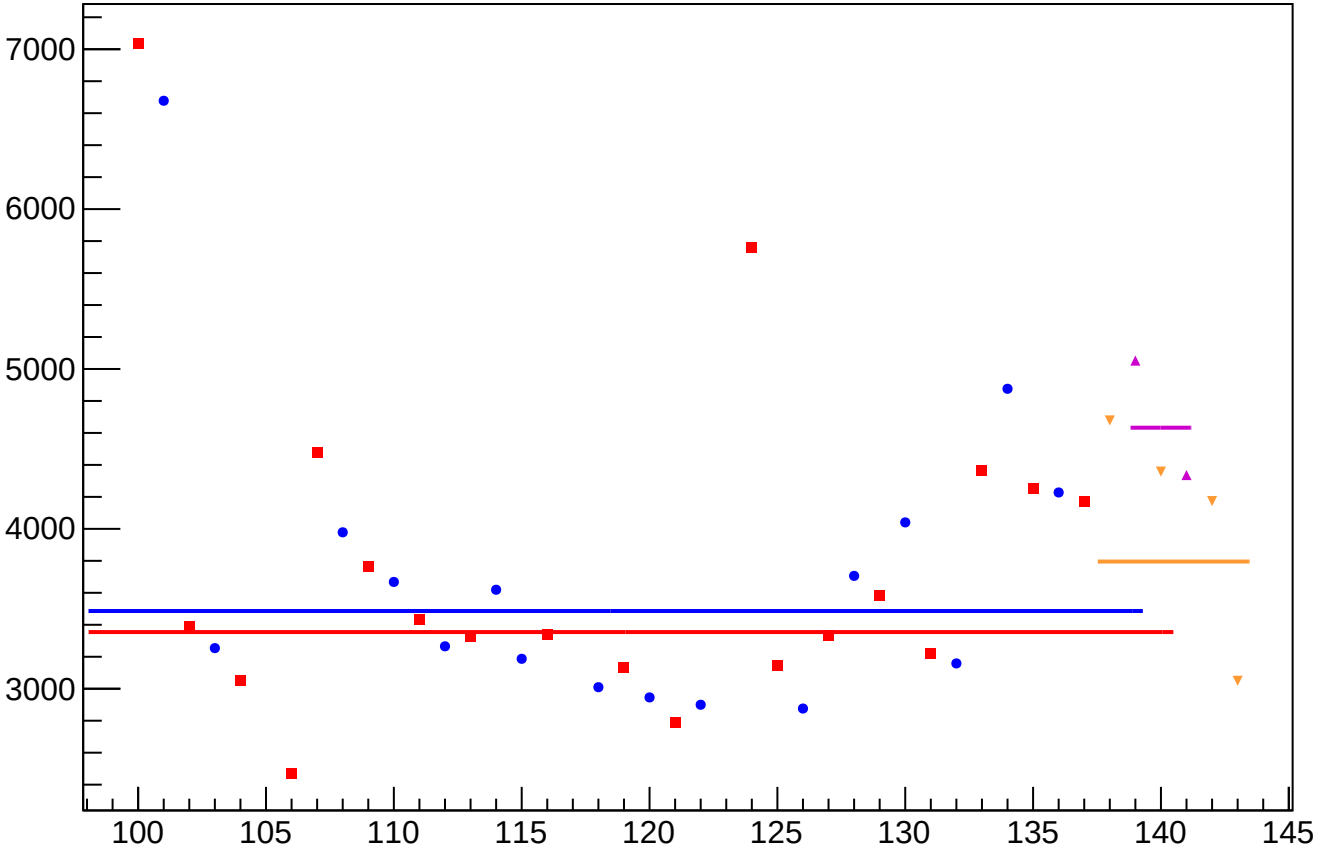
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -336.833+/-1242.697 χ^2/NDF:18.2/17

Out: 383.245+/-1113.297 χ^2/NDF:17.3/22

All: 62.636+/-829.207 χ^2/NDF: 35.7/40

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3795.540+/-1.612 χ^2/NDF:187596.9/3

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4632.709+/-2.502 χ^2/NDF:19863.7/1

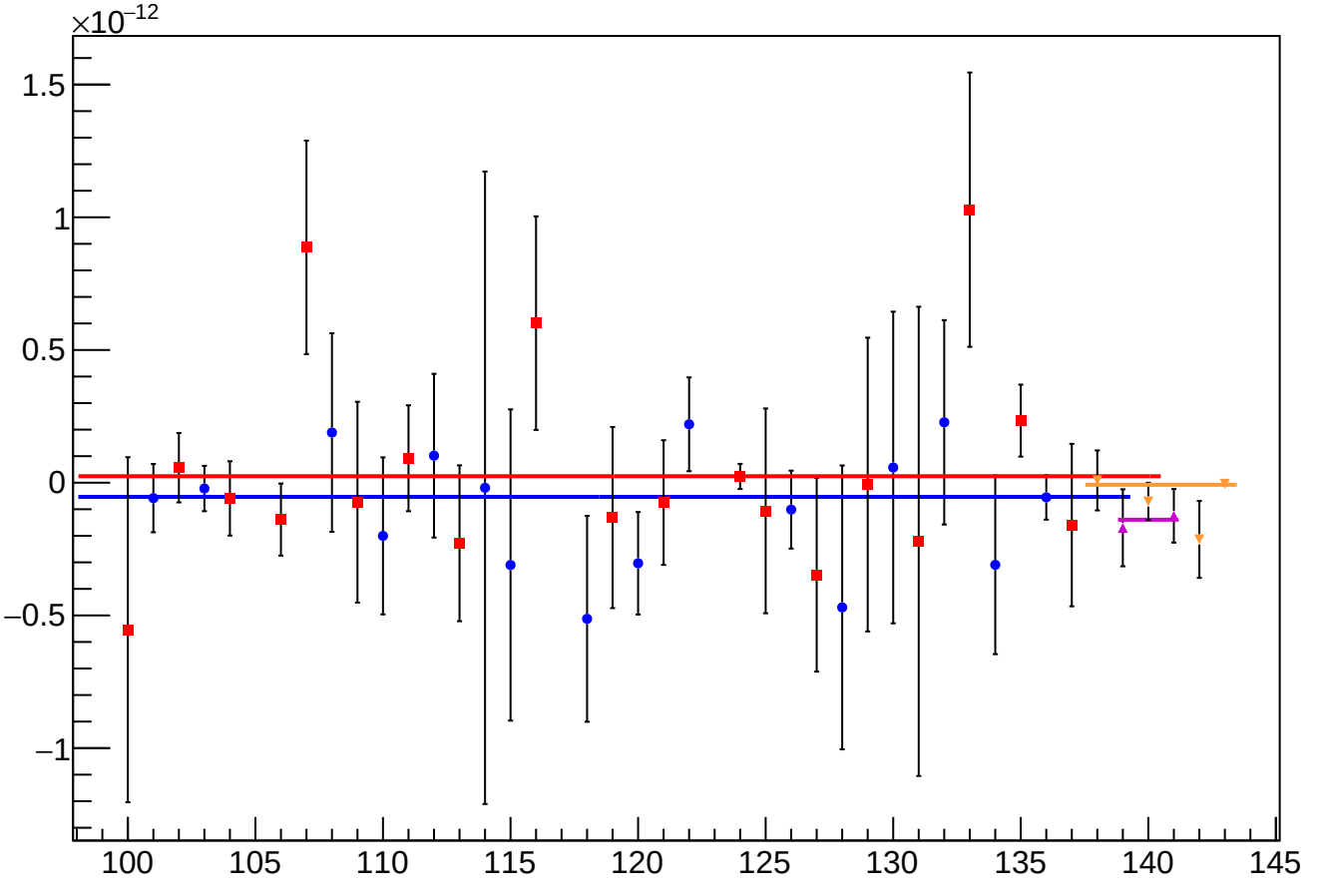
Left: 4041.182+/-1.355 χ^2/NDF: 286578.4/5

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3627.608+/-0.879 χ^2/NDF:799768.4/17

Out: 3457.366+/-0.779 χ^2/NDF:621415.0/22

All: 3532.264+/-0.583 χ^2/NDF: 1442204.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

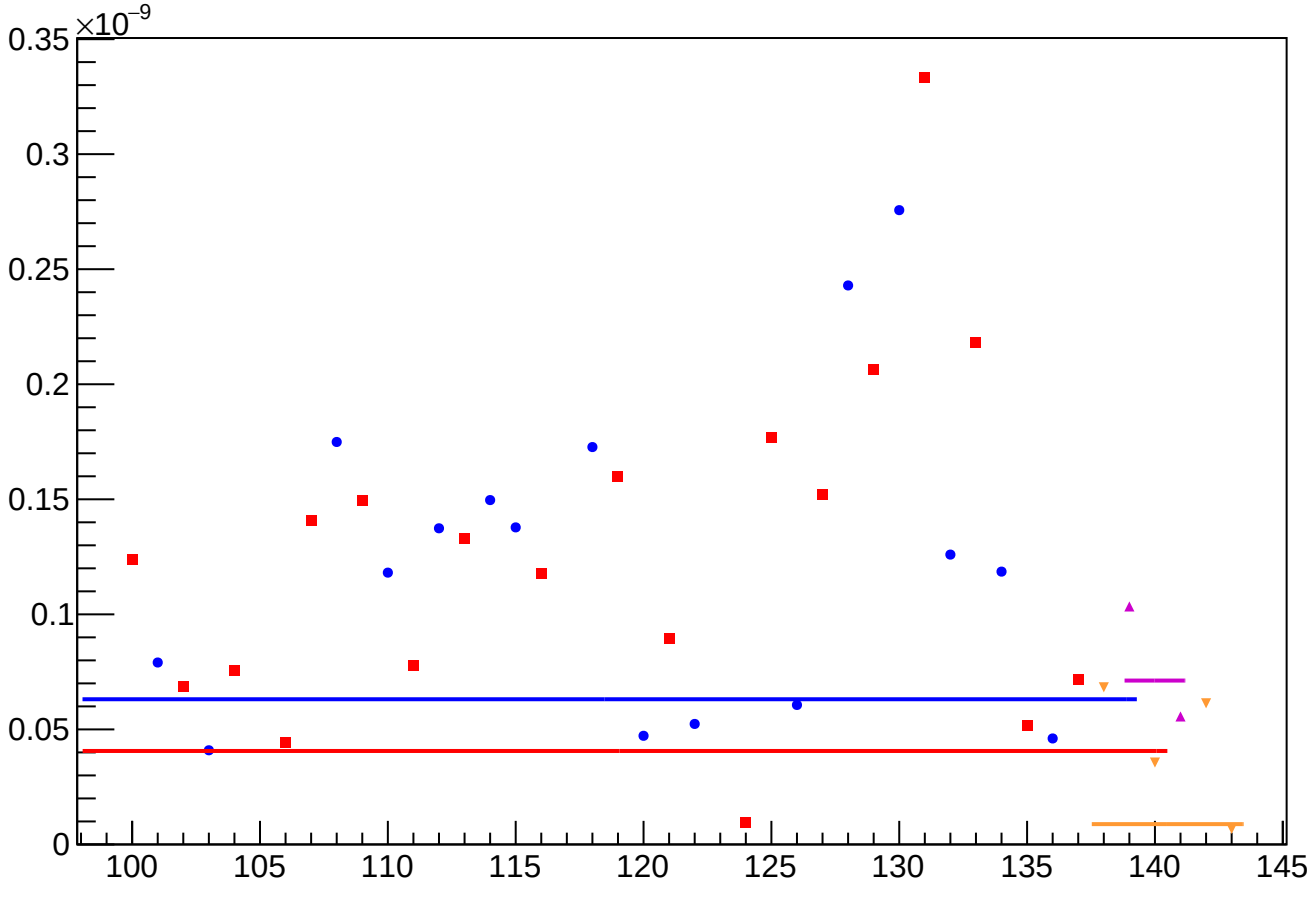
Left: -0.000+/-0.000 χ^2/NDF: 5.4/5

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:22.0/22

All: -0.000+/-0.000 χ^2/NDF: 34.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157714.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:146245.5/1

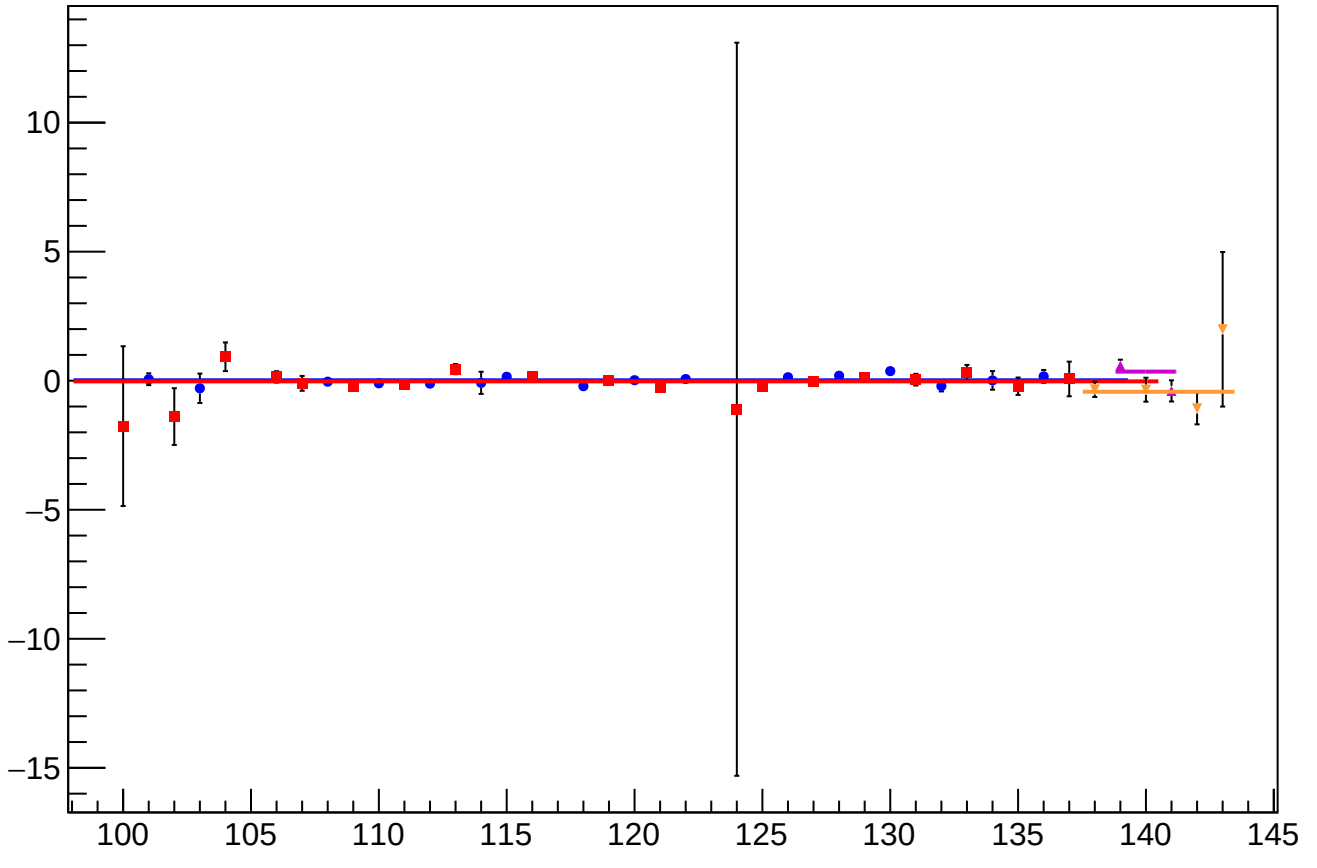
Left: 0.000+/-0.000 χ^2/NDF: 2411400.4/5

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:5738690.1/22

All: 0.000+/-0.000 χ^2/NDF: 10631059.8/40



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.352+/-0.200 χ^2/NDF:4.4/1

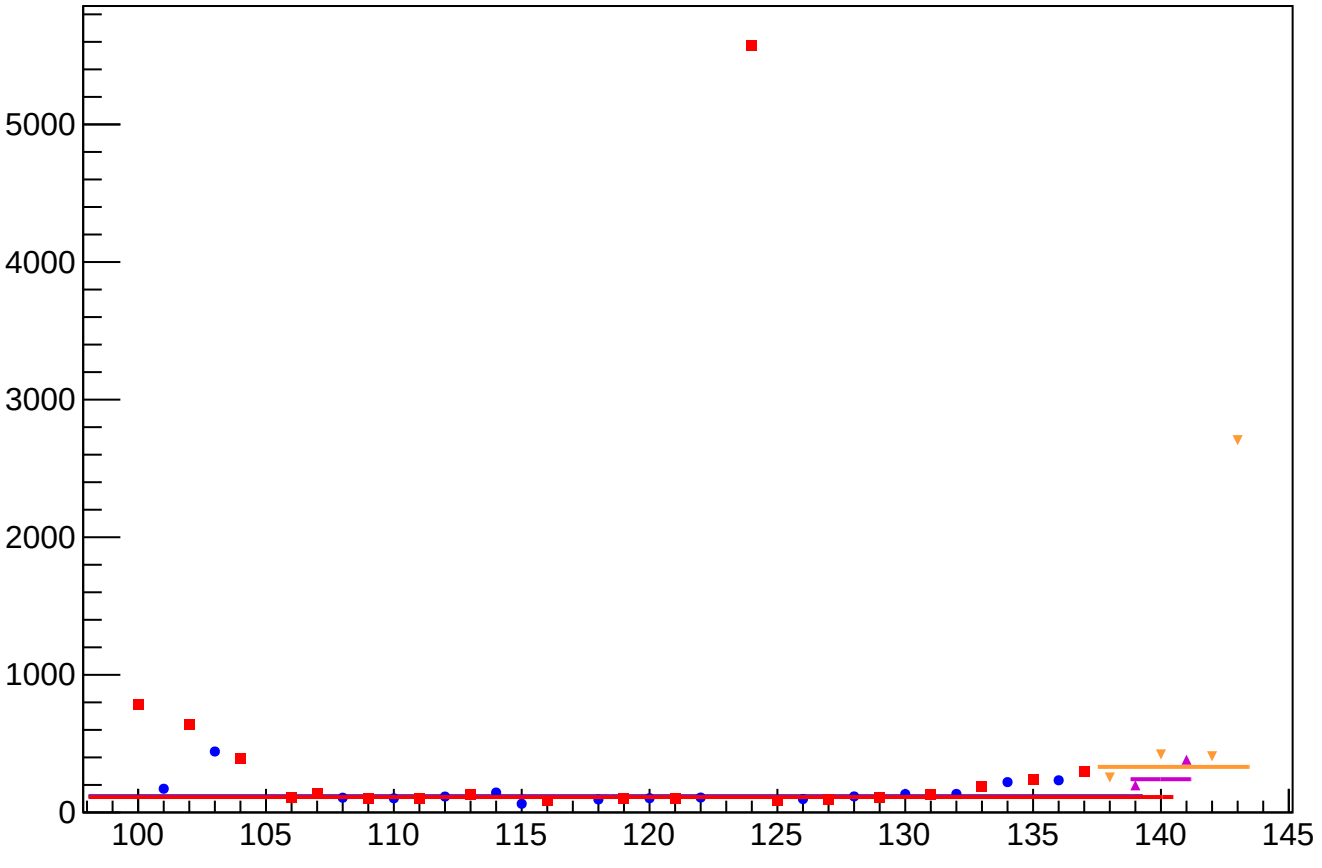
Left: 0.018+/-0.151 χ^2/NDF: 12.8/5

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.005+/-0.033 χ^2/NDF: 47.1/40



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 331.202+/-0.163 χ^2/NDF:1500909.0/3

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: 280.057+/-0.107 χ^2/NDF: 1988130.3/5

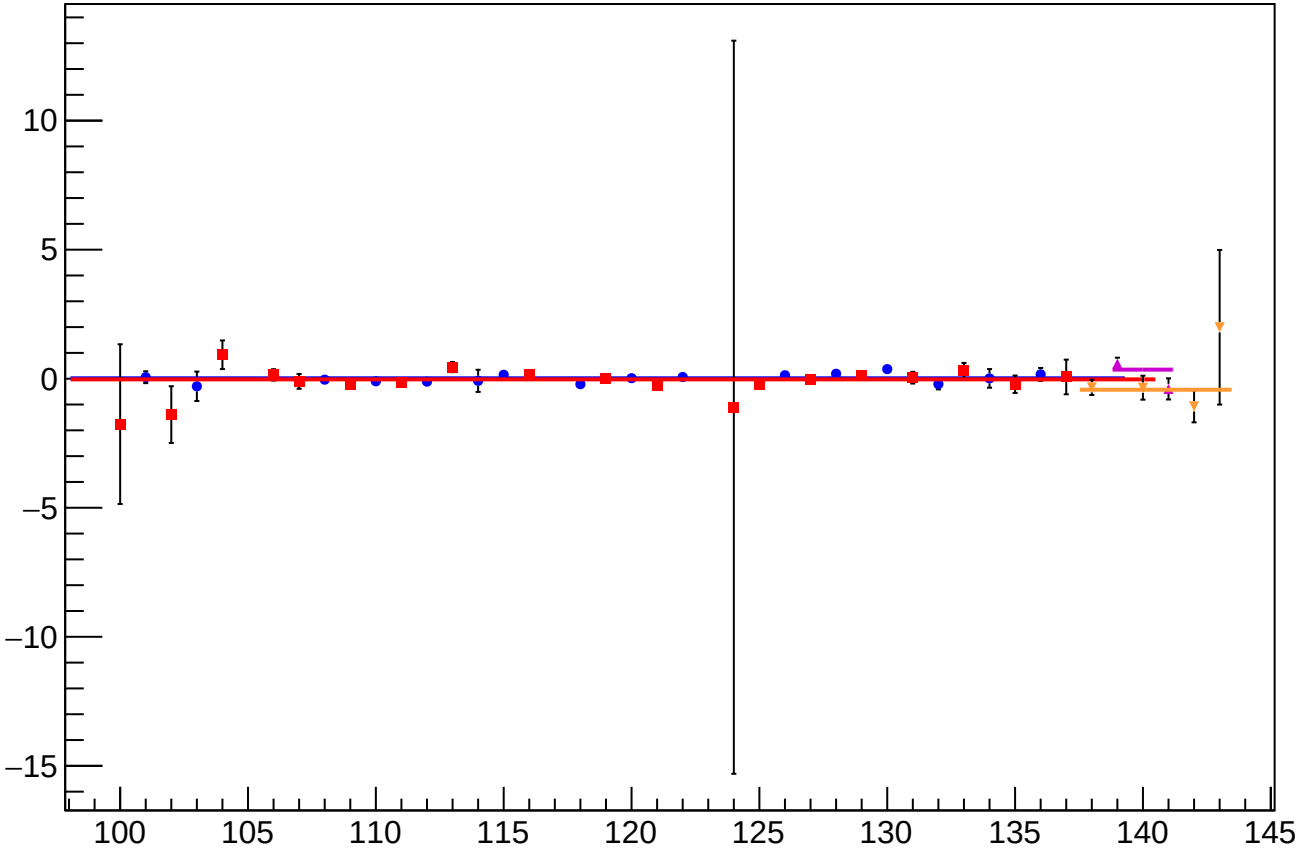
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 124.387+/-0.033 χ^2/NDF:2764914.9/17

Out: 120.826+/-0.032 χ^2/NDF:5424948.4/22

All: 122.581+/-0.023 χ^2/NDF: 8195793.4/40

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: -0.427+/-0.230 χ^2/NDF:1.9/3

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.352+/-0.200 χ^2/NDF:4.4/1

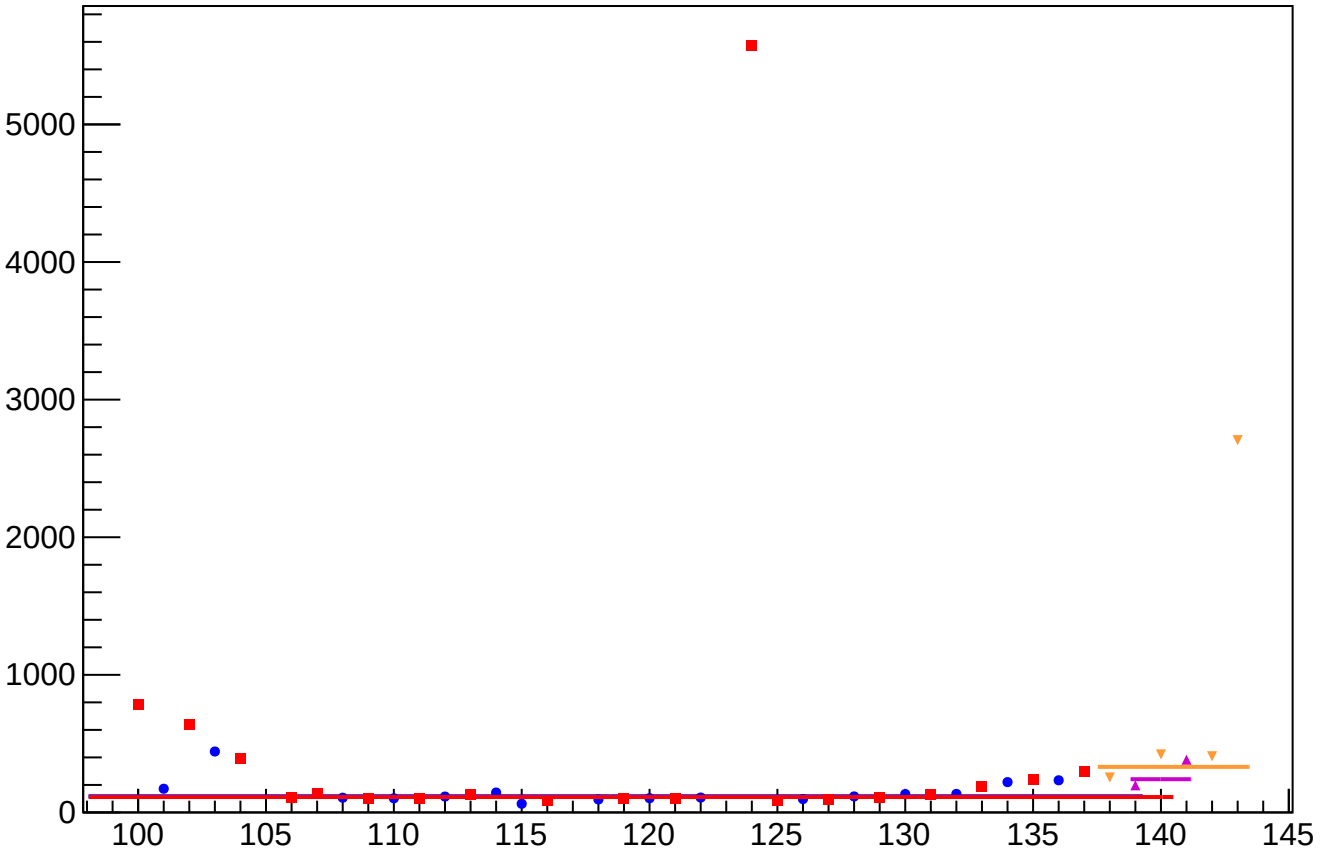
Left: 0.018+/-0.151 χ^2/NDF: 12.8/5

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.005+/-0.033 χ^2/NDF: 47.1/40



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 331.202+/-0.163 χ^2/NDF:1500909.0/3

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 241.587+/-0.141 χ^2/NDF:314417.2/1

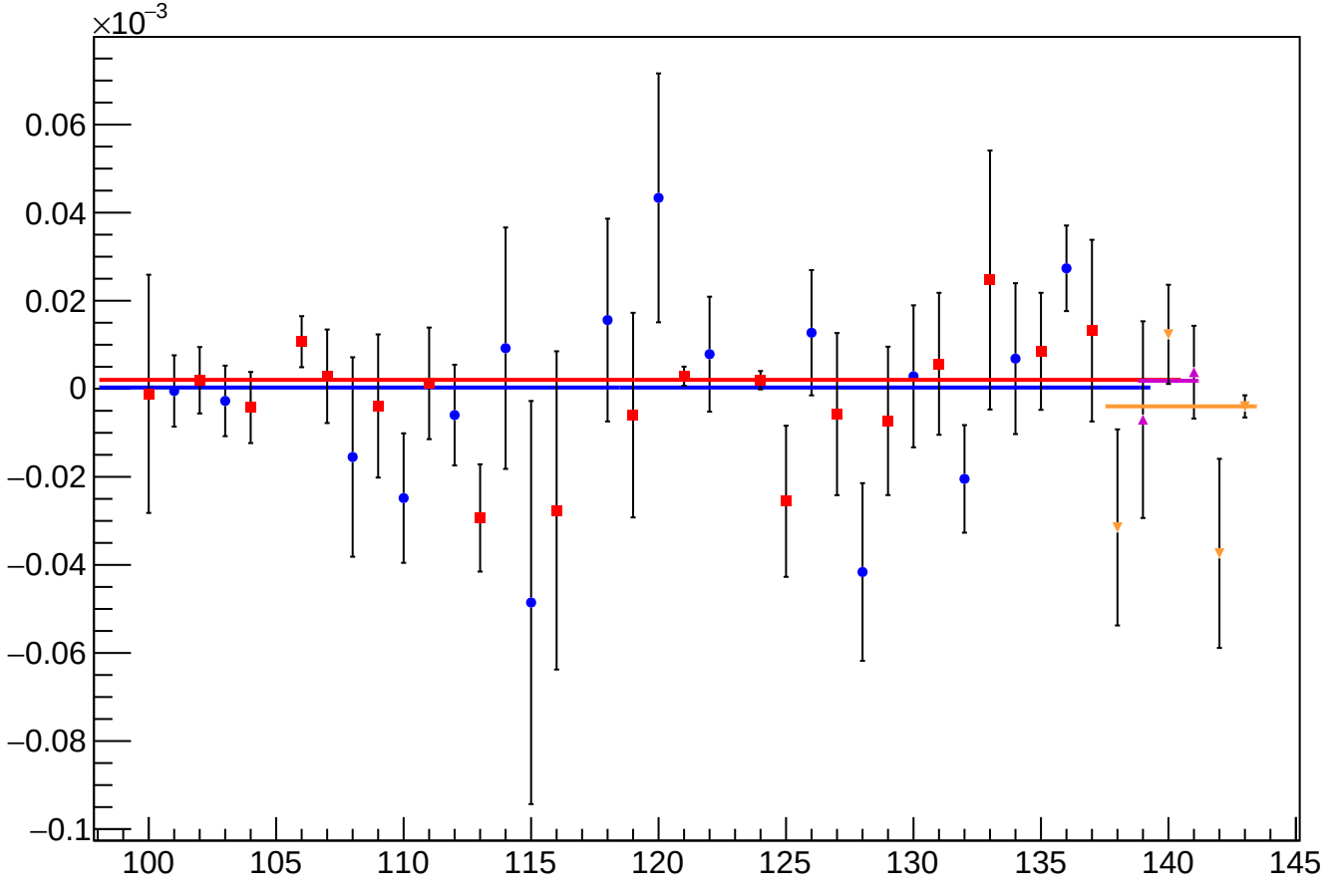
Left: 280.057+/-0.107 χ^2/NDF: 1988130.3/5

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 124.387+/-0.033 χ^2/NDF:2764914.9/17

Out: 120.826+/-0.032 χ^2/NDF:5424948.4/22

All: 122.581+/-0.023 χ^2/NDF: 8195793.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

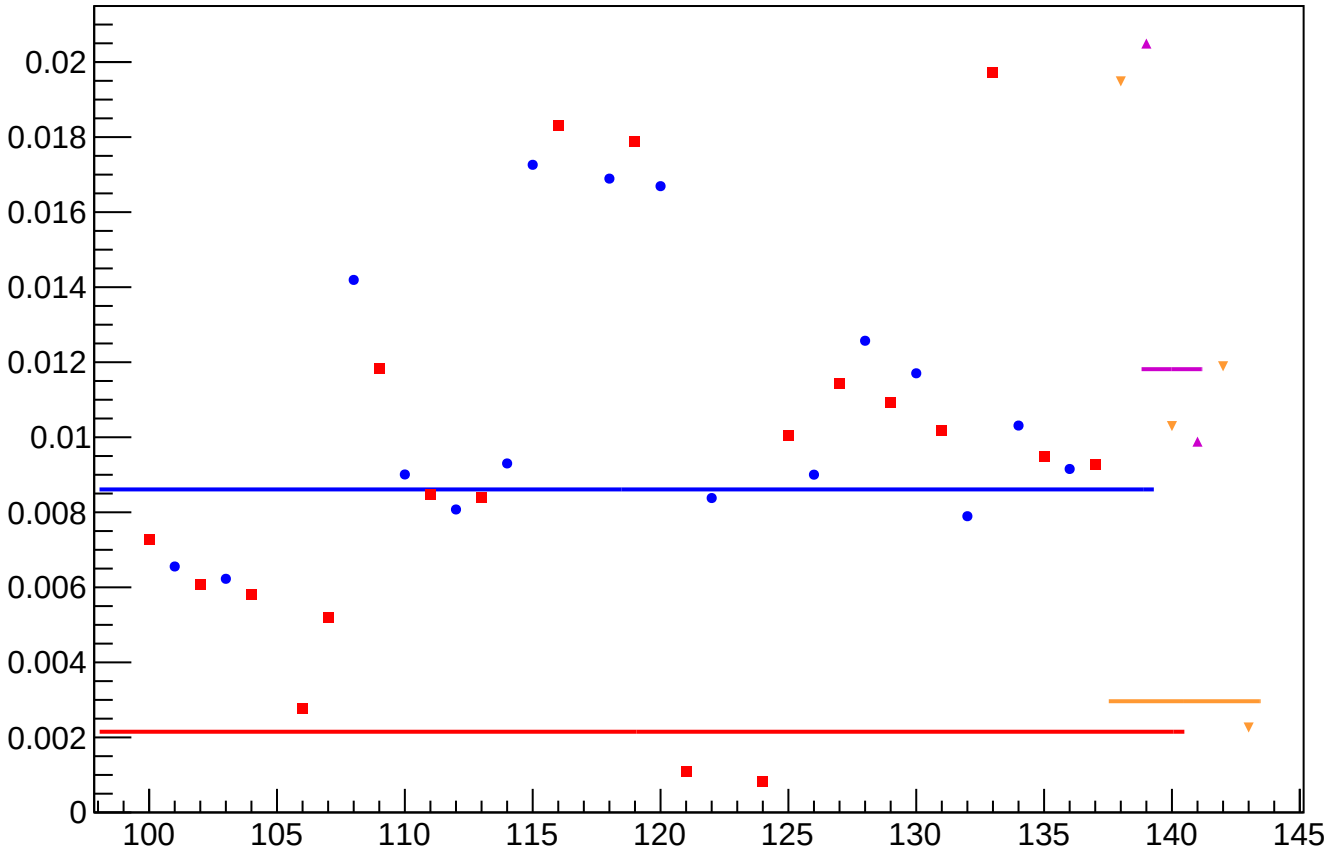
Left: -0.000+/-0.000 χ^2/NDF: 6.6/5

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:25.6/22

All: 0.000+/-0.000 χ^2/NDF: 49.9/40



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:2449692.7/3

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.012+/-0.000 χ^2/NDF:369094.2/1

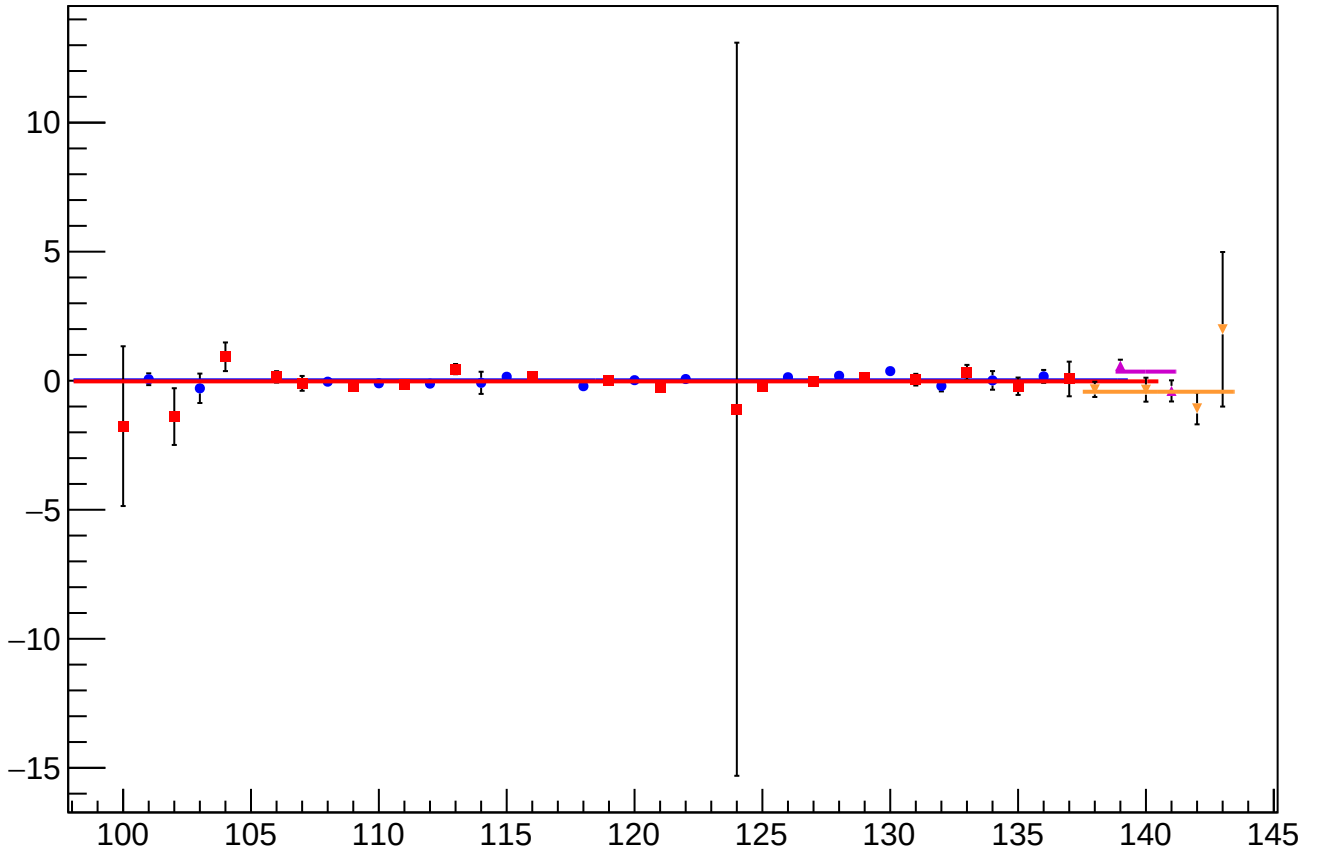
Left: 0.004+/-0.000 χ^2/NDF: 4438701.4/5

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:11708975.2/22

All: 0.003+/-0.000 χ^2/NDF: 21035726.7/40



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.427+/-0.230 χ^2/NDF:1.9/3

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: 0.018+/-0.151 χ^2/NDF: 12.8/5

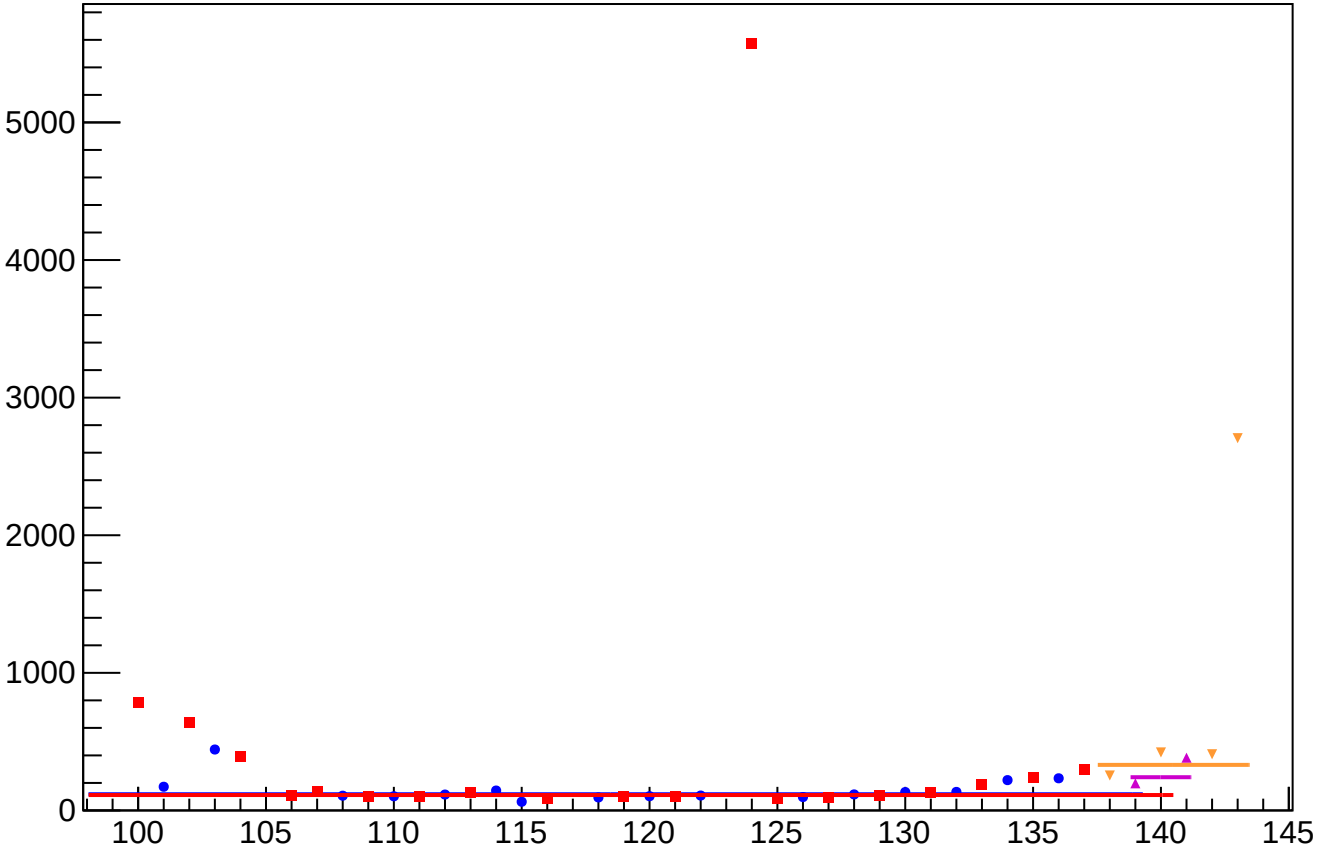
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.005+/-0.033 χ^2/NDF: 47.1/40

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: 331.206+/-0.163 χ^2/NDF:1500912.1/3

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: 280.062+/-0.107 χ^2/NDF: 1988119.4/5

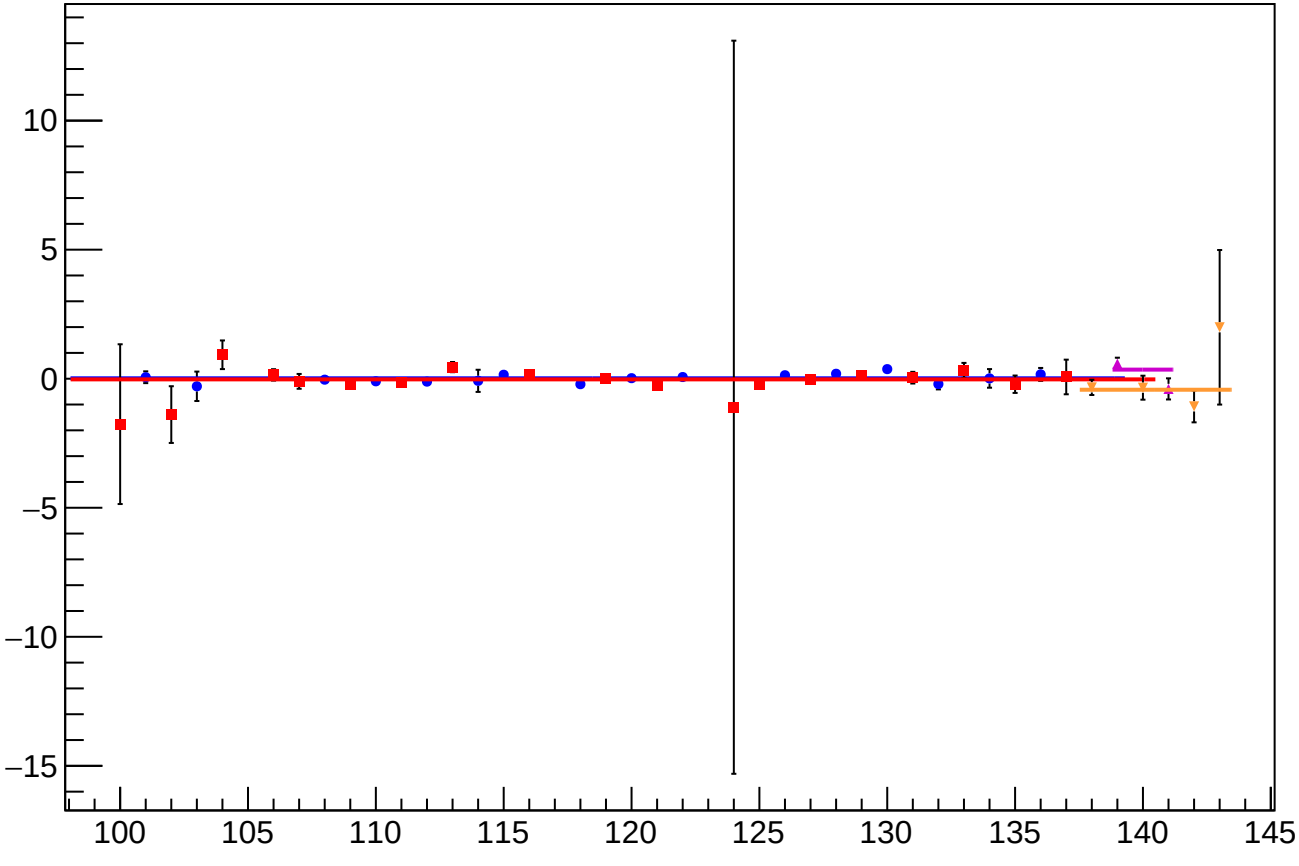
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 124.387+/-0.033 χ^2/NDF:2764904.2/17

Out: 120.828+/-0.032 χ^2/NDF:5424880.8/22

All: 122.582+/-0.023 χ^2/NDF: 8195709.4/40

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: -0.427+/-0.230 χ^2/NDF:1.9/3

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: 0.018+/-0.151 χ^2/NDF: 12.8/5

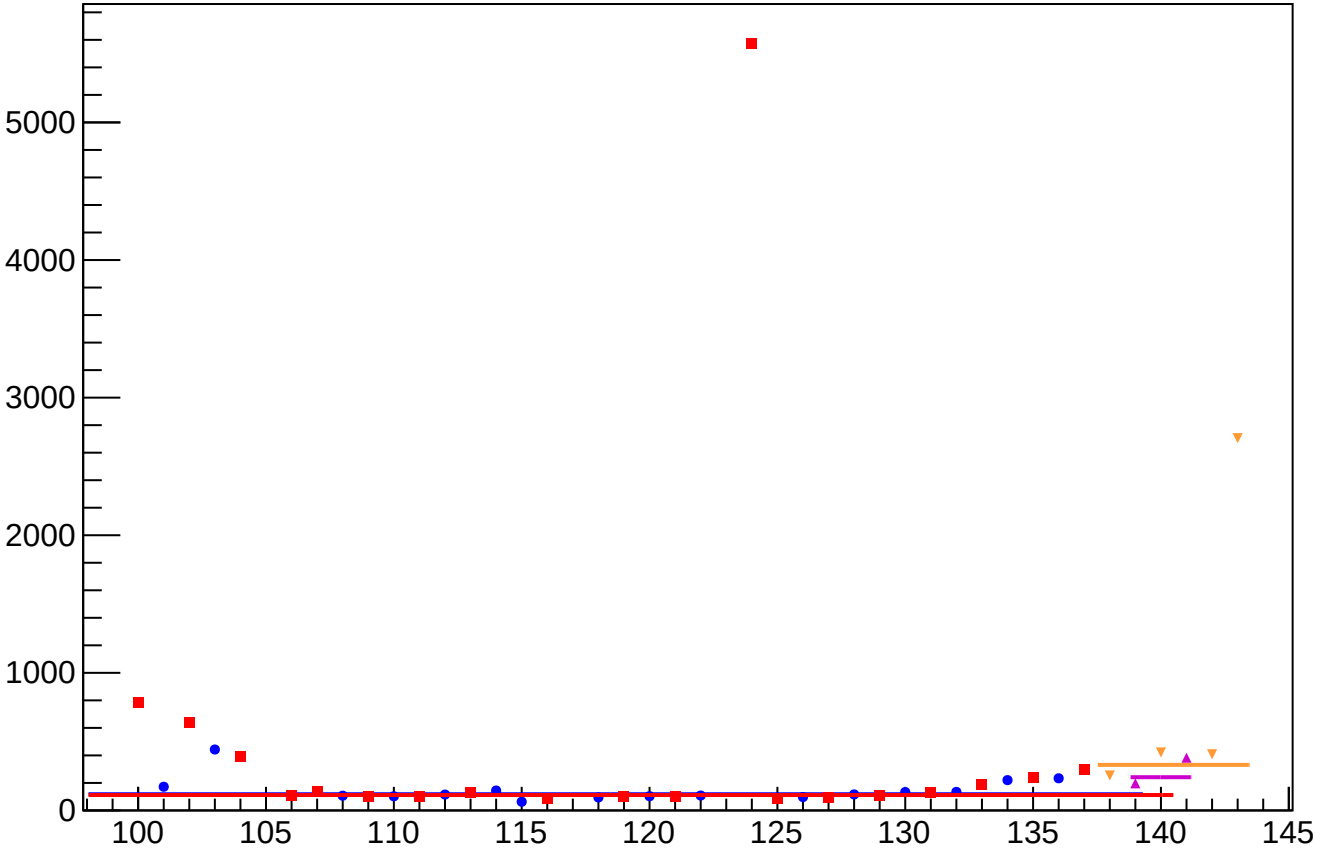
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.047 χ^2/NDF:18.9/17

Out: -0.042+/-0.046 χ^2/NDF:26.9/22

All: -0.005+/-0.033 χ^2/NDF: 47.1/40

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: 331.206+/-0.163 χ^2/NDF:1500912.1/3

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 241.592+/-0.141 χ^2/NDF:314410.6/1

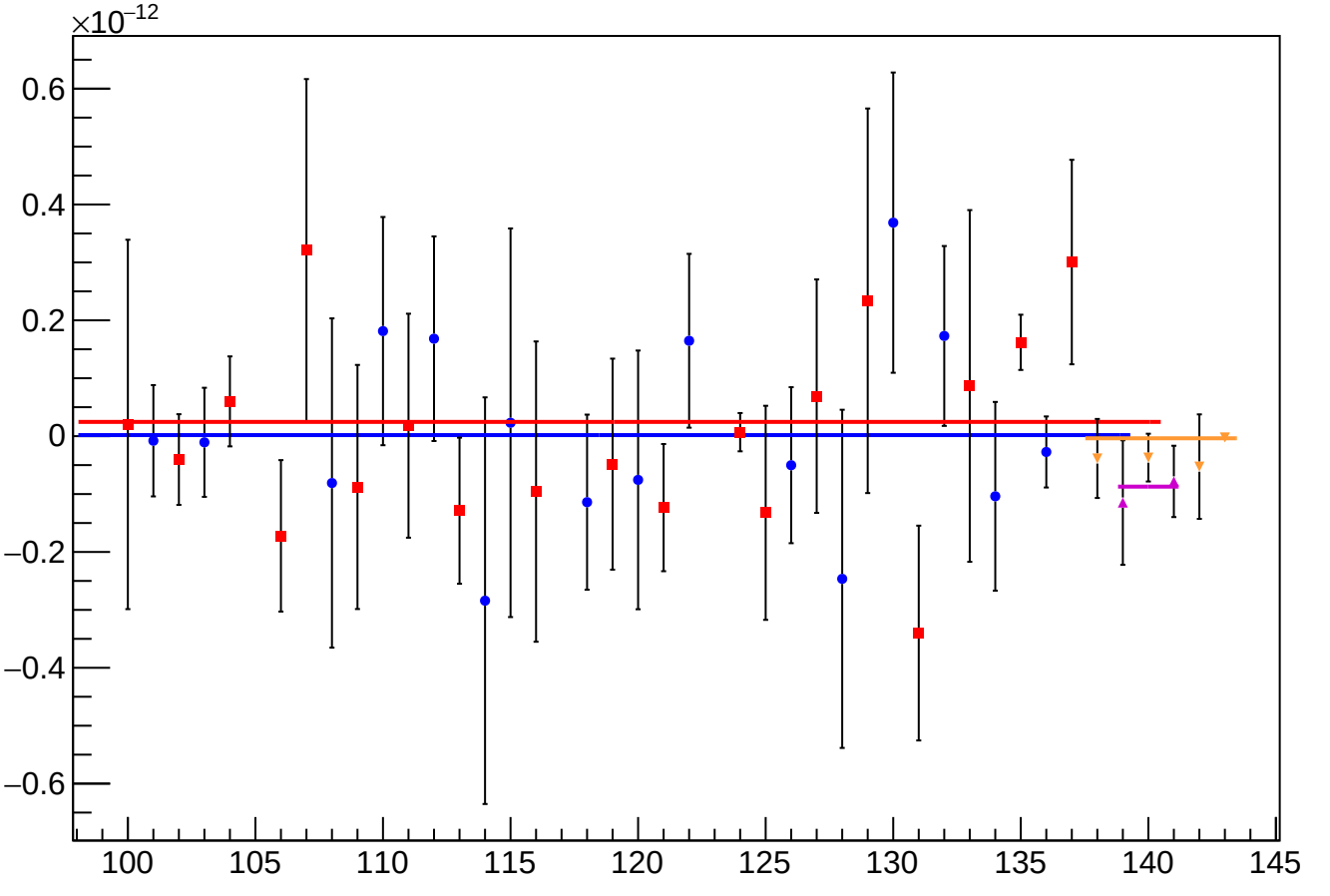
Left: 280.062+/-0.107 χ^2/NDF: 1988119.4/5

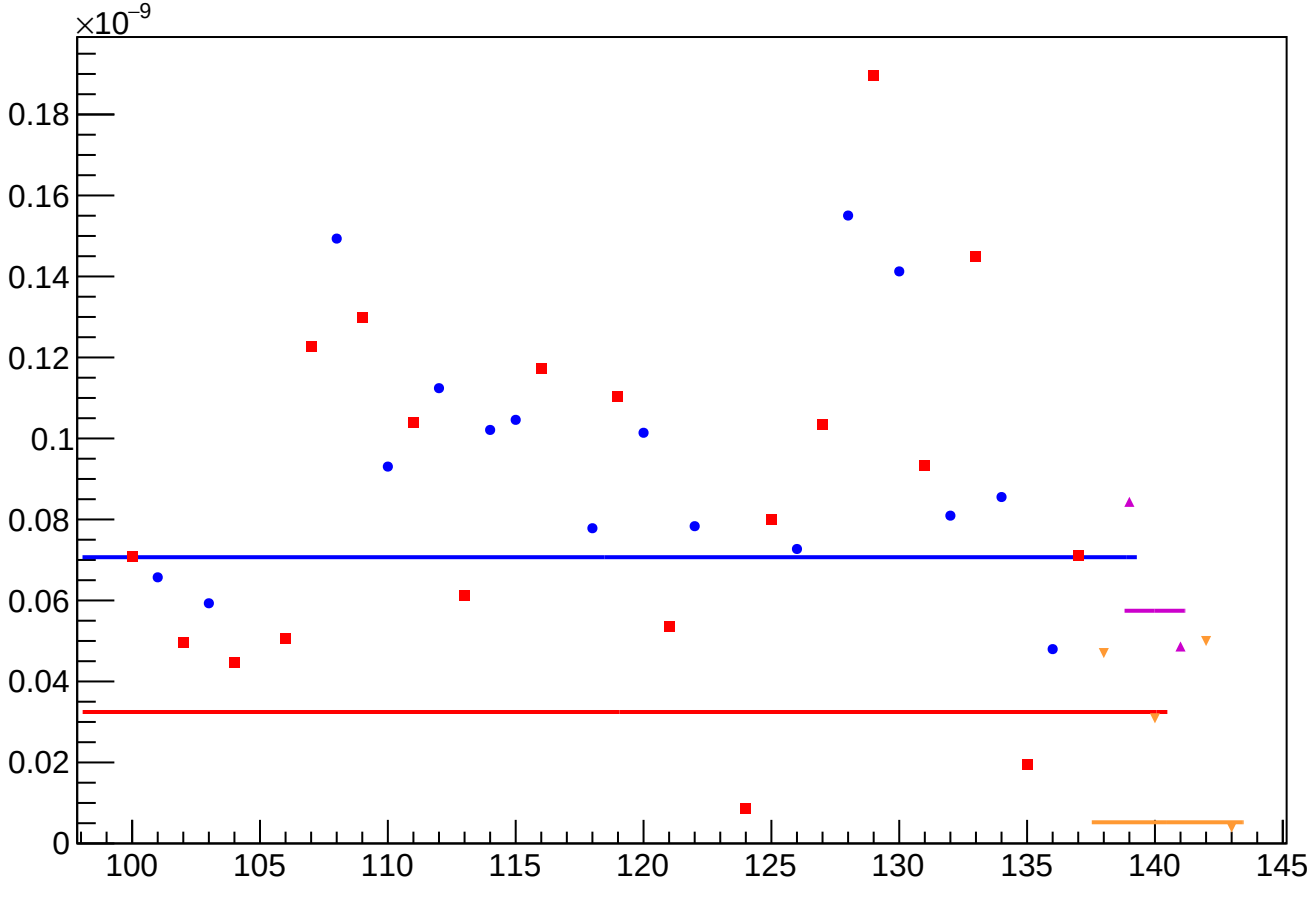
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 124.387+/-0.033 χ^2/NDF:2764904.2/17

Out: 120.828+/-0.032 χ^2/NDF:5424880.8/22

All: 122.582+/-0.023 χ^2/NDF: 8195709.4/40


asym_atr1l2_dd_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
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:1.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
Left: -0.000+/-0.000 χ²/NDF: 3.7/5
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:11.2/17
Out: -0.000+/-0.000 χ²/NDF:27.1/22
All: -0.000+/-0.000 χ²/NDF: 38.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2092940.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:166158.4/1

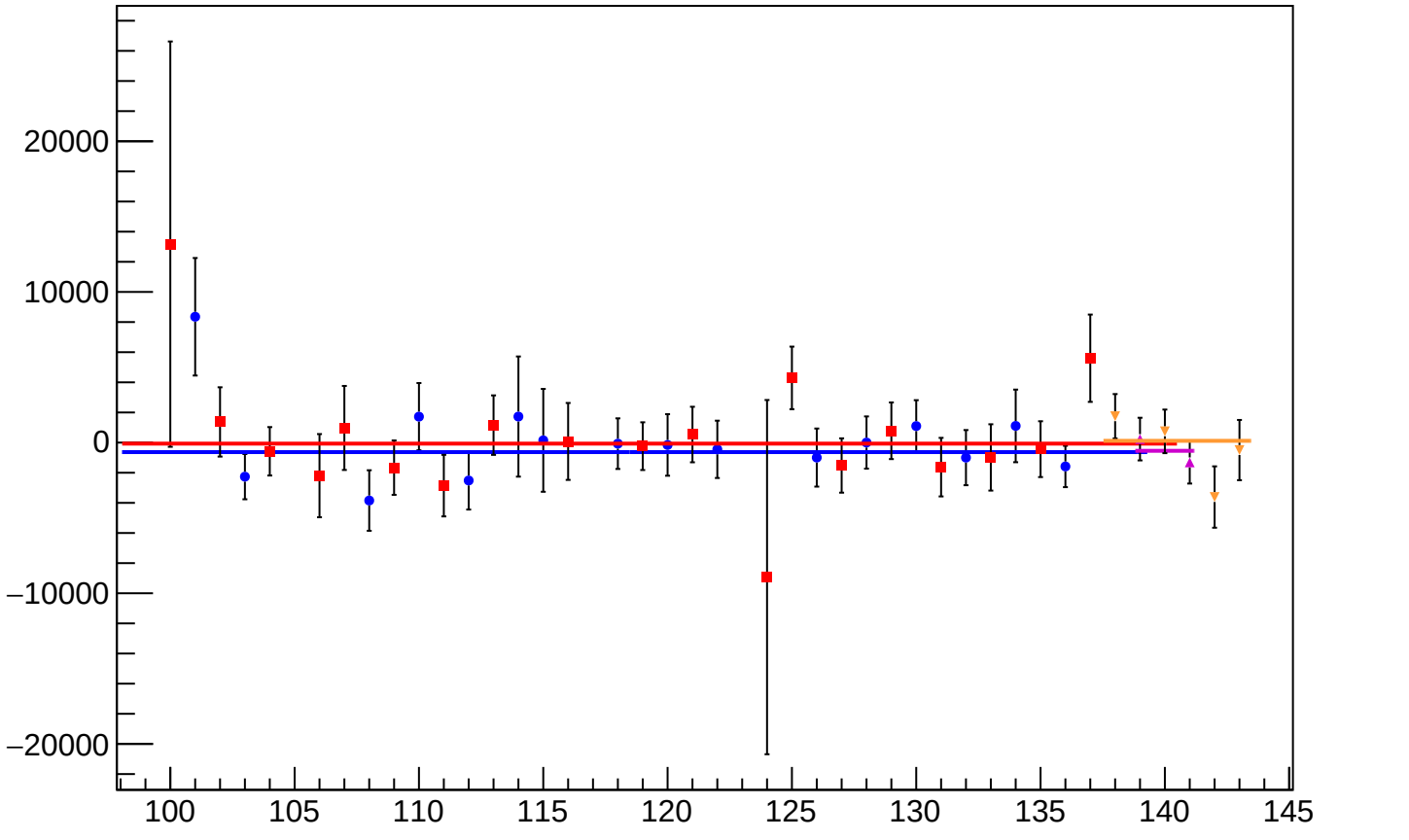
Left: 0.000+/-0.000 χ^2/NDF: 4141741.2/5

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:9451587.5/22

All: 0.000+/-0.000 χ^2/NDF: 18755019.8/40



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.630+/-835.862 χ^2/NDF:4.9/3

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -544.636+/-997.379 χ^2/NDF:0.6/1

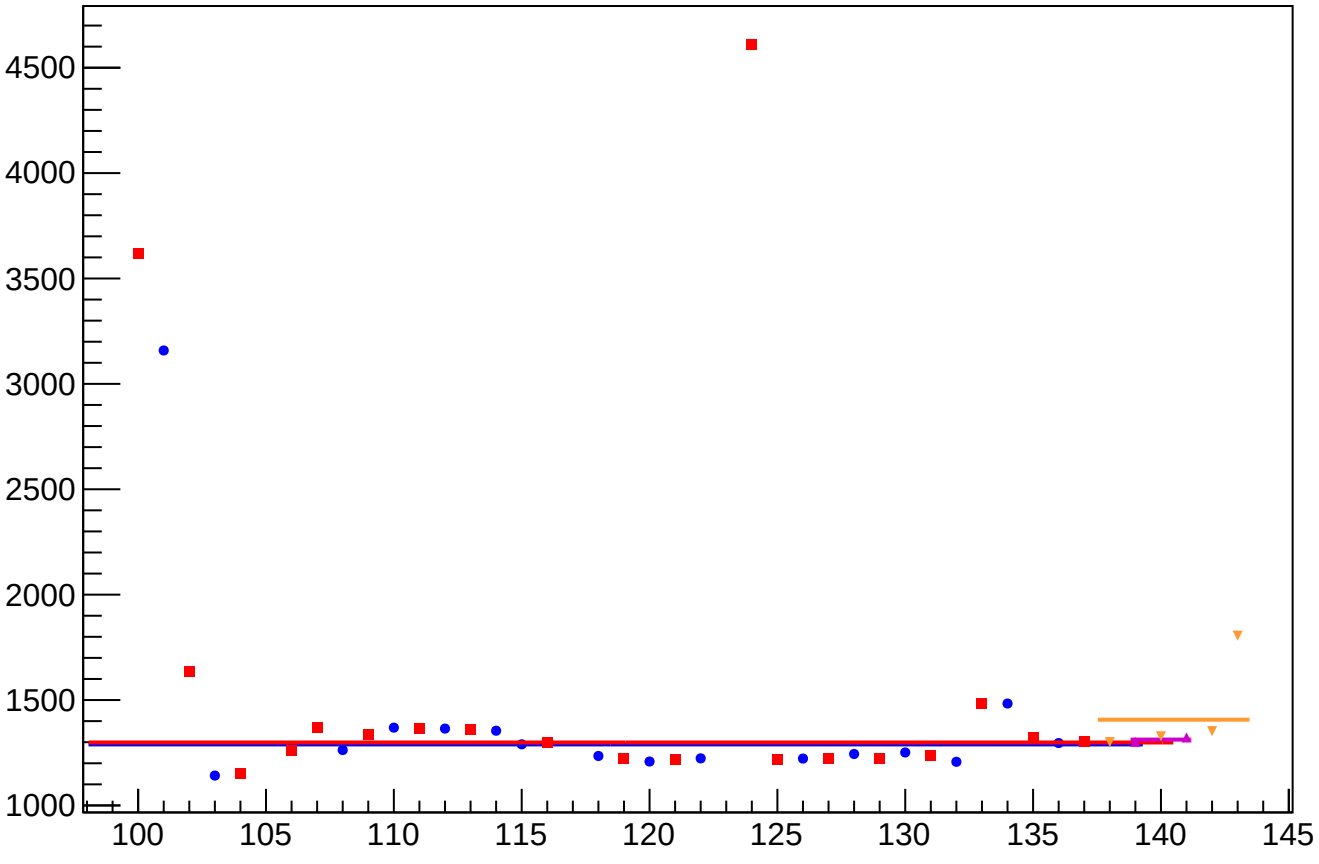
Left: -155.604+/-640.636 χ^2/NDF: 5.7/5

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -614.315+/-438.824 χ^2/NDF:14.5/17

Out: -20.579+/-421.279 χ^2/NDF:20.8/22

All: -305.341+/-303.902 χ^2/NDF: 36.2/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

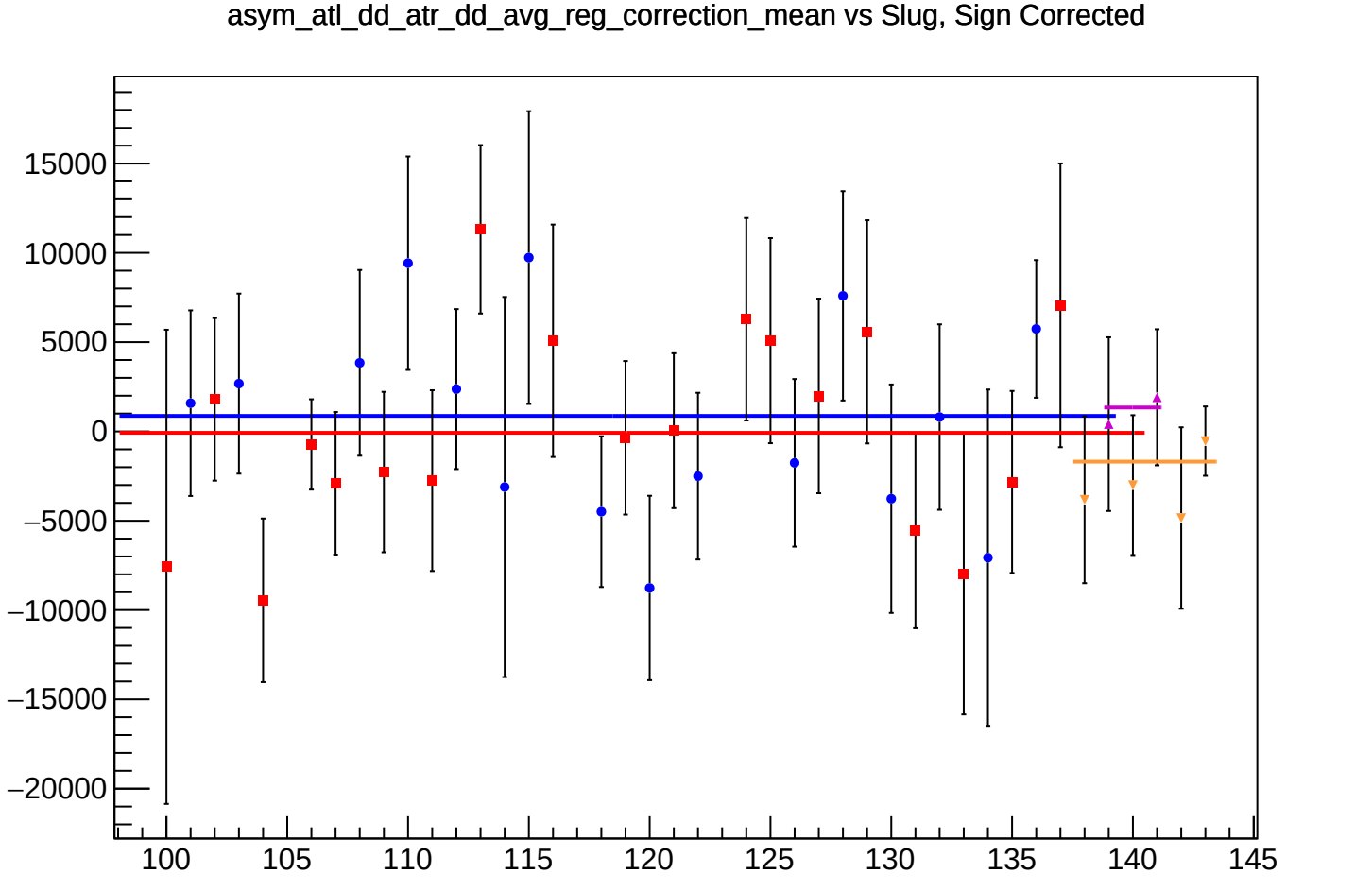
Left: 1367.787+/-0.453 χ^2/NDF: 108093.0/5

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1293.903+/-0.310 χ^2/NDF:515743.3/17

Out: 1325.994+/-0.297 χ^2/NDF:441706.2/22

All: 1310.634+/-0.215 χ^2/NDF: 963026.0/40



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1340.957+/-2998.457 χ^2/NDF:0.1/1

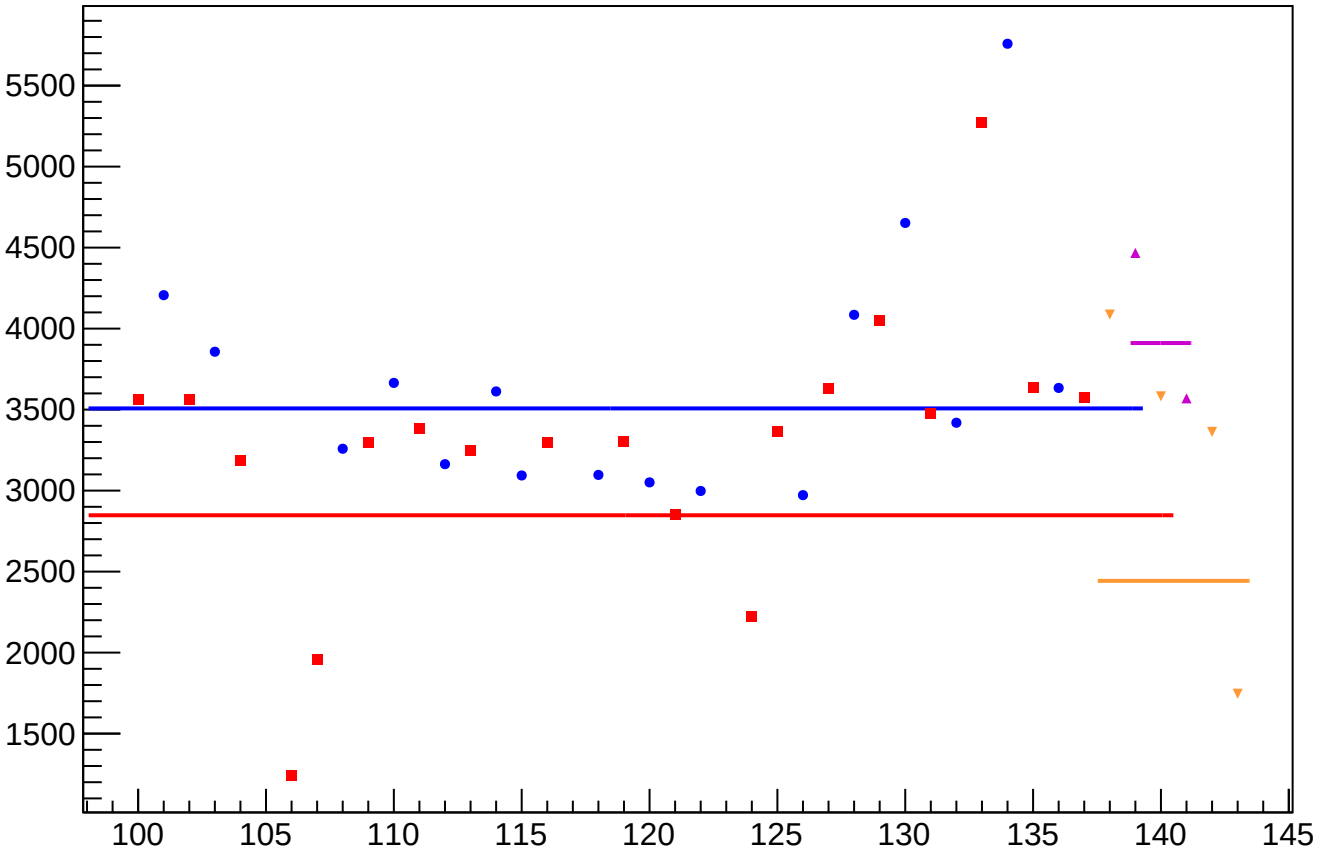
Left: -1050.471+/-1377.718 χ^2/NDF: 1.9/5

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 947.213+/-1212.158 χ^2/NDF:14.1/17

Out: -624.325+/-903.261 χ^2/NDF:20.2/22

All: -63.243+/-724.285 χ^2/NDF: 35.3/40



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

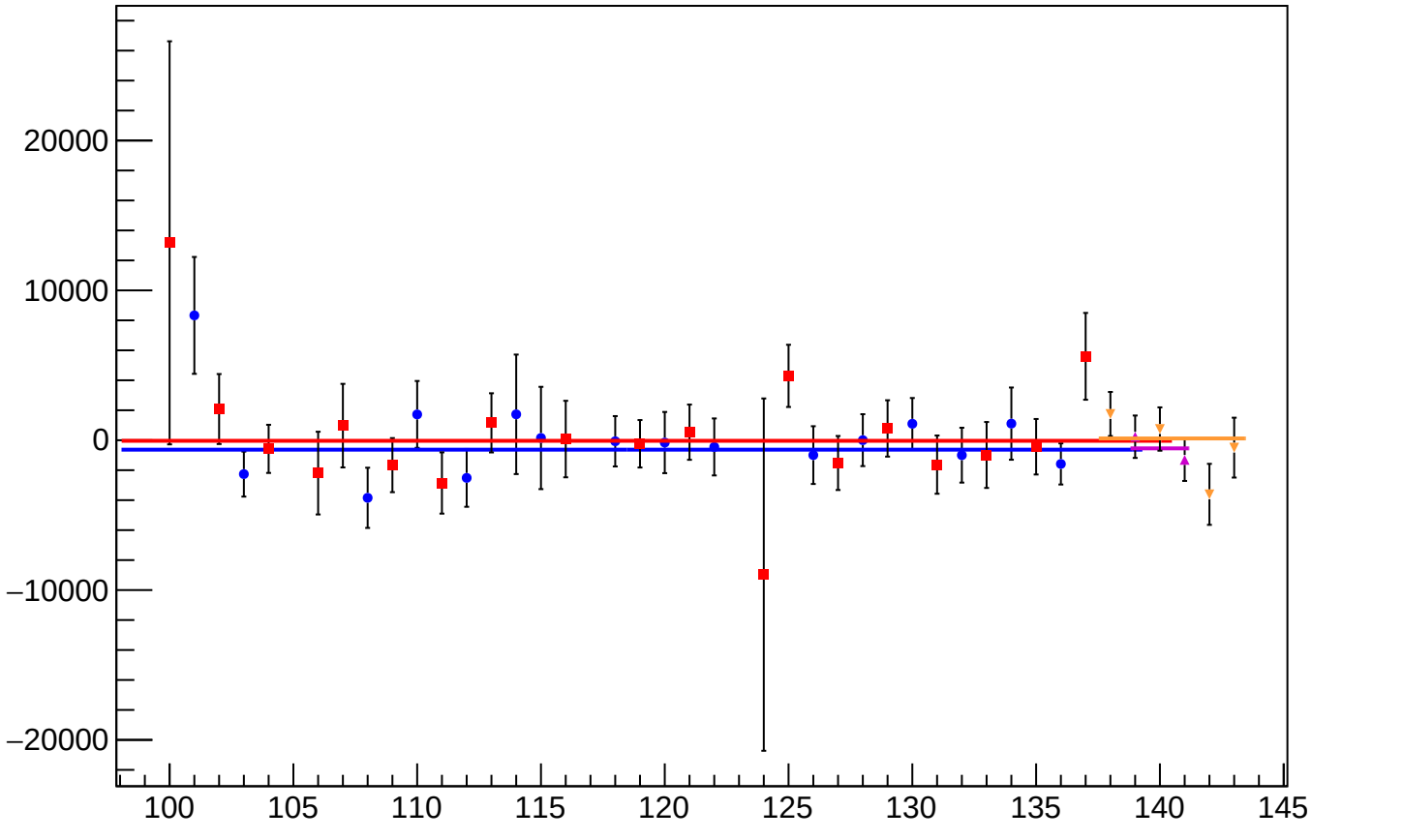
Left: 2752.831+/-0.974 χ^2/NDF: 1160932.2/5

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3573.355+/-0.857 χ^2/NDF:426534.2/17

Out: 2710.519+/-0.639 χ^2/NDF:2329915.8/22

All: 3018.575+/-0.512 χ^2/NDF: 3408019.5/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

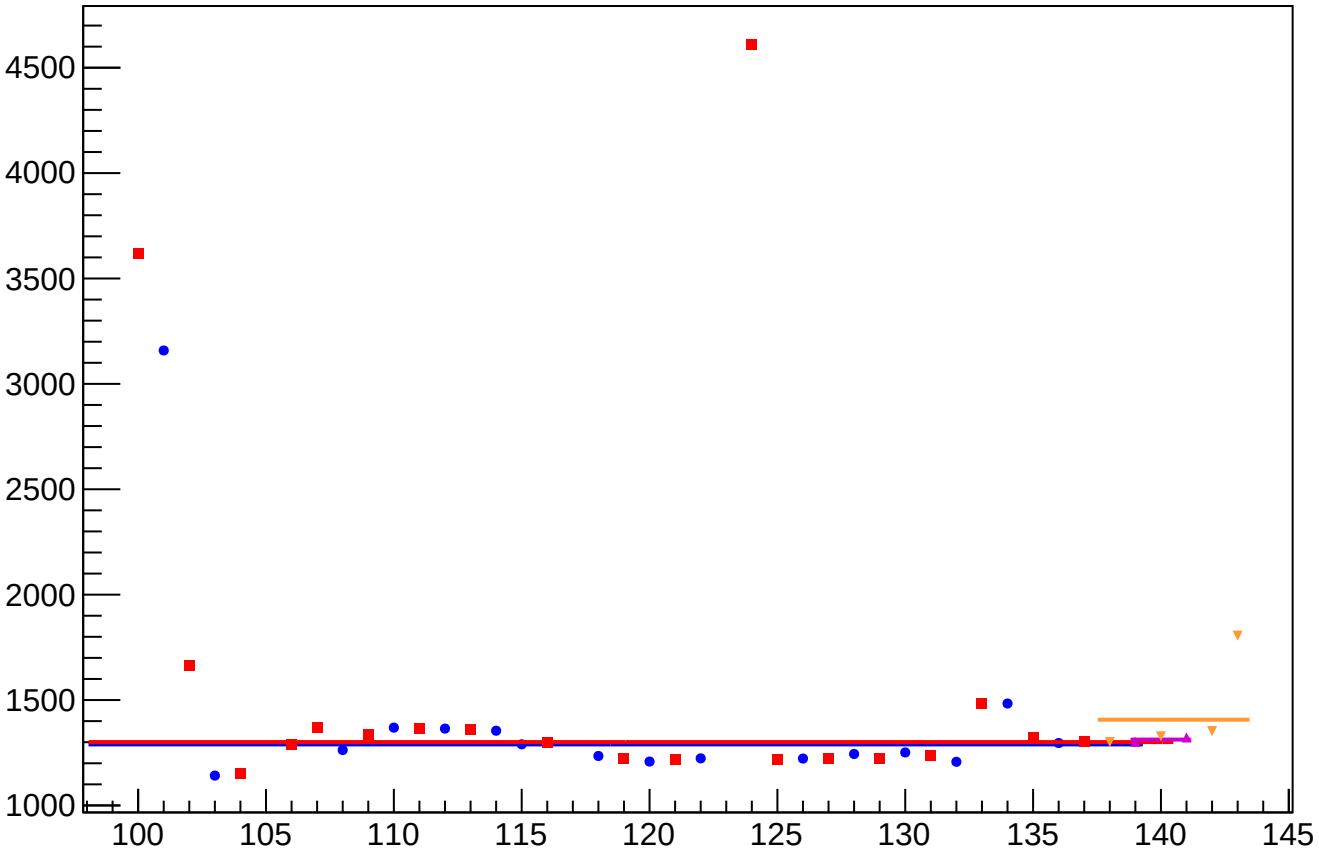
Left: -155.486+/-640.636 χ^2/NDF: 5.7/5

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -294.330+/-303.981 χ^2/NDF: 36.7/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

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: 1367.787+/-0.453 χ^2/NDF: 108093.1/5

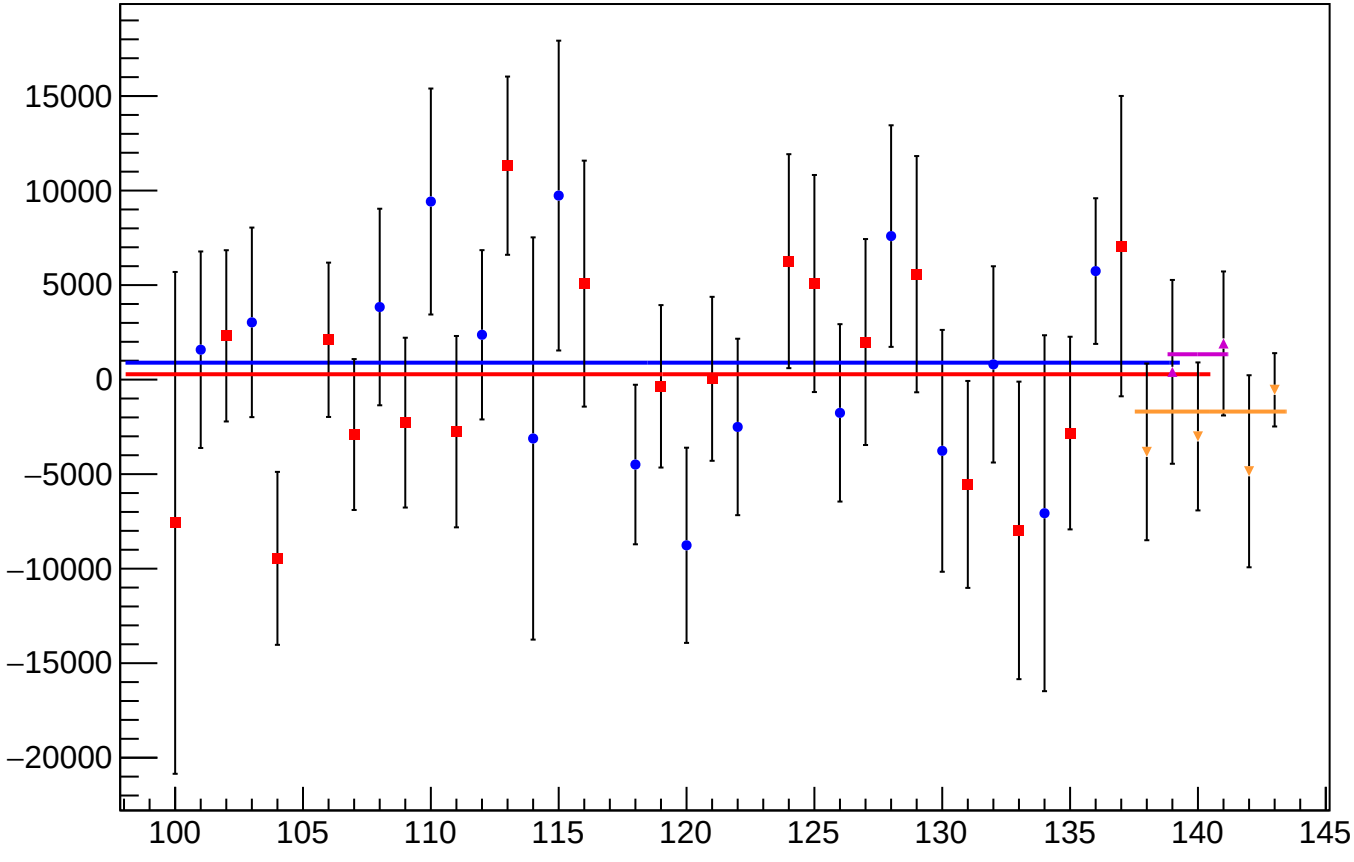
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

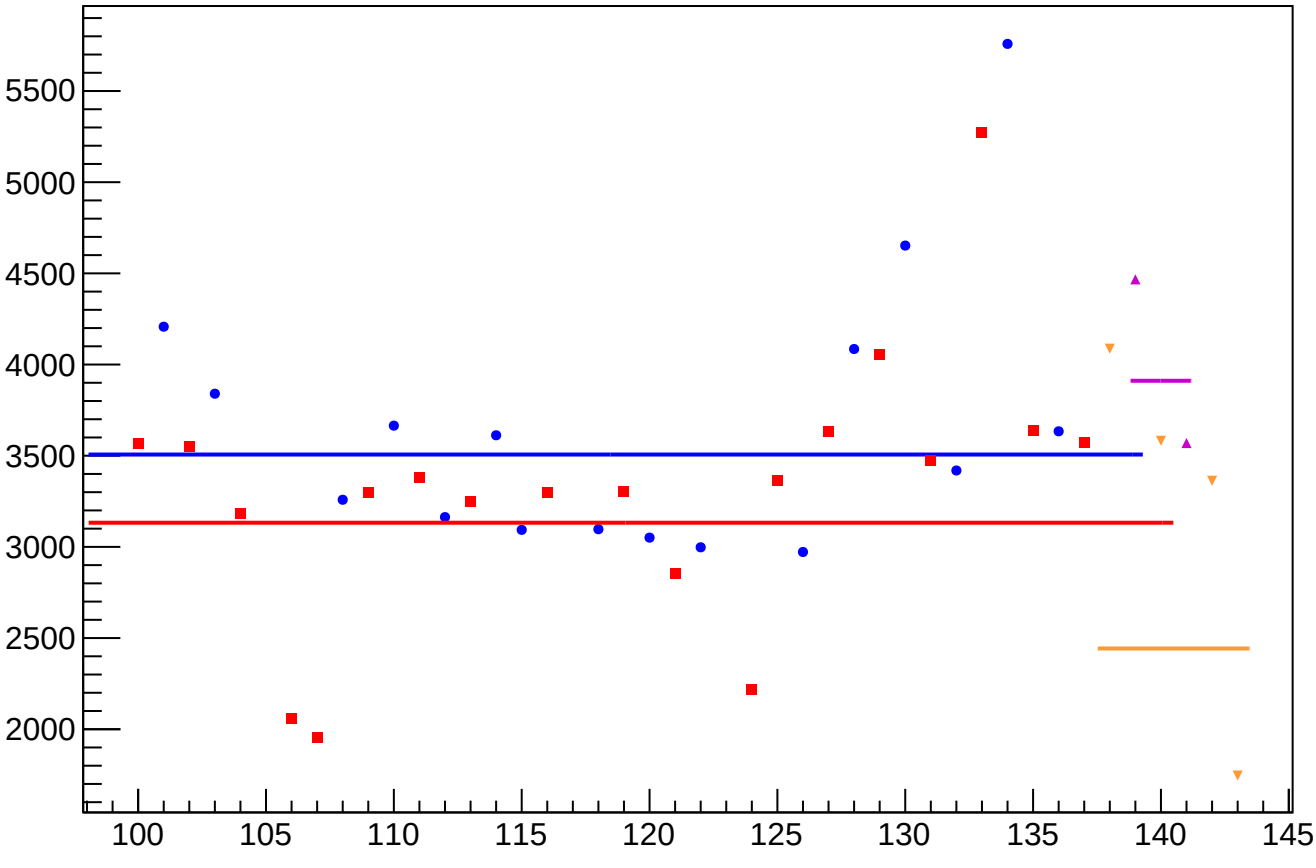
Left: -1050.282+/-1377.713 χ^2/NDF: 1.9/5

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: 88.361+/-743.102 χ^2/NDF: 35.7/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

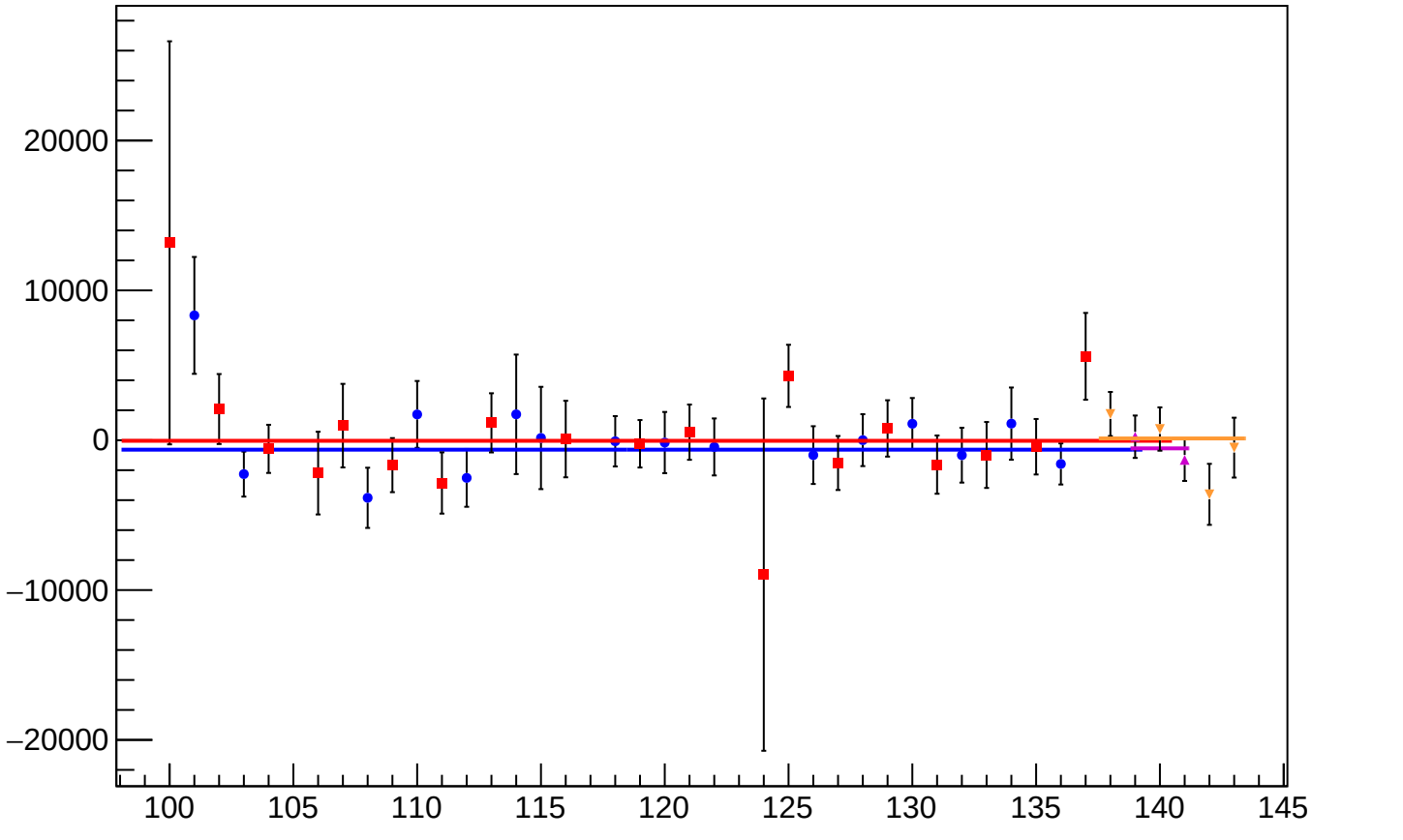
Left: 2752.819+/-0.974 χ^2/NDF: 1160945.1/5

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

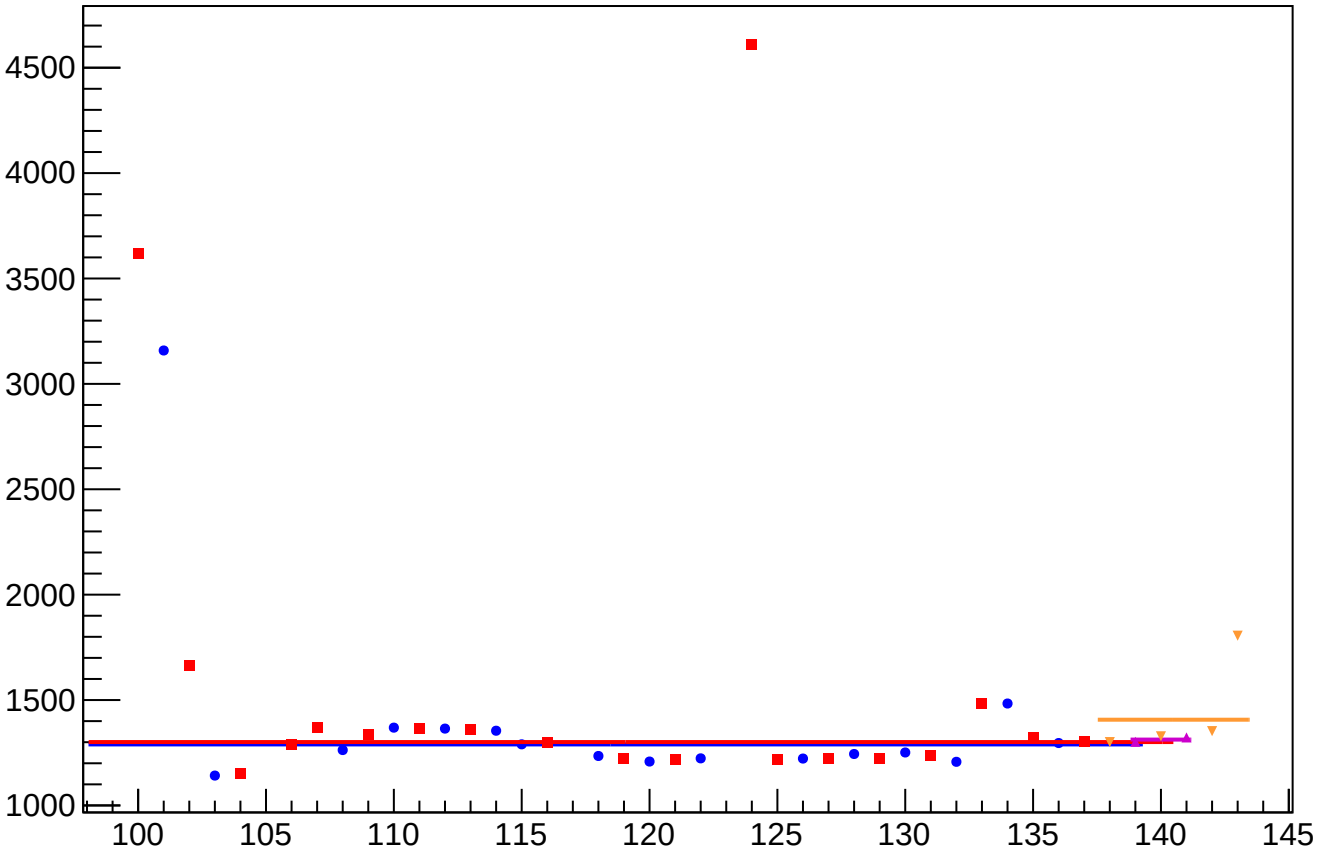
Left: -155.486+/-640.636 χ^2/NDF: 5.7/5

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -294.330+/-303.981 χ^2/NDF: 36.7/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

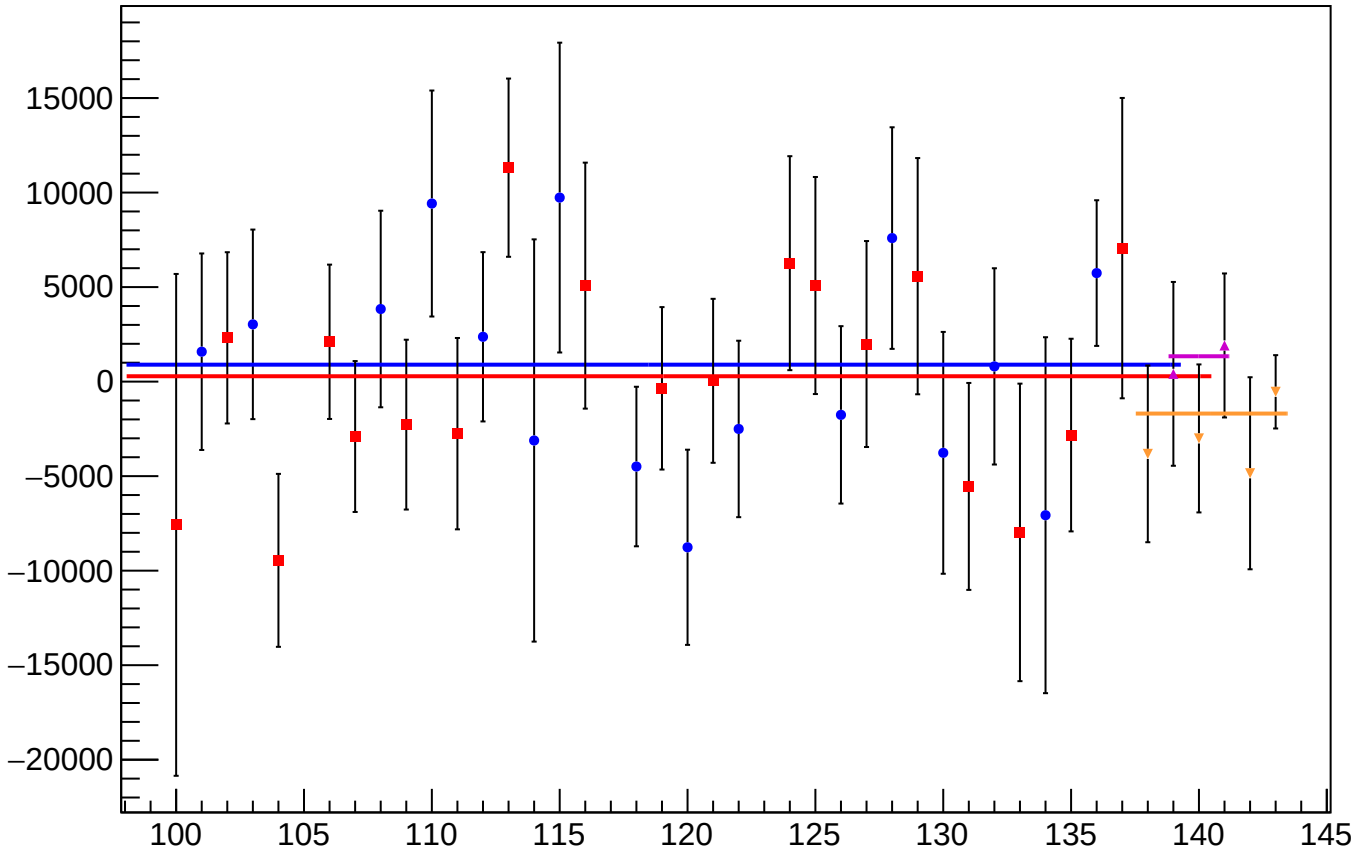
Left: 1367.787+/-0.453 χ^2/NDF: 108093.1/5

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

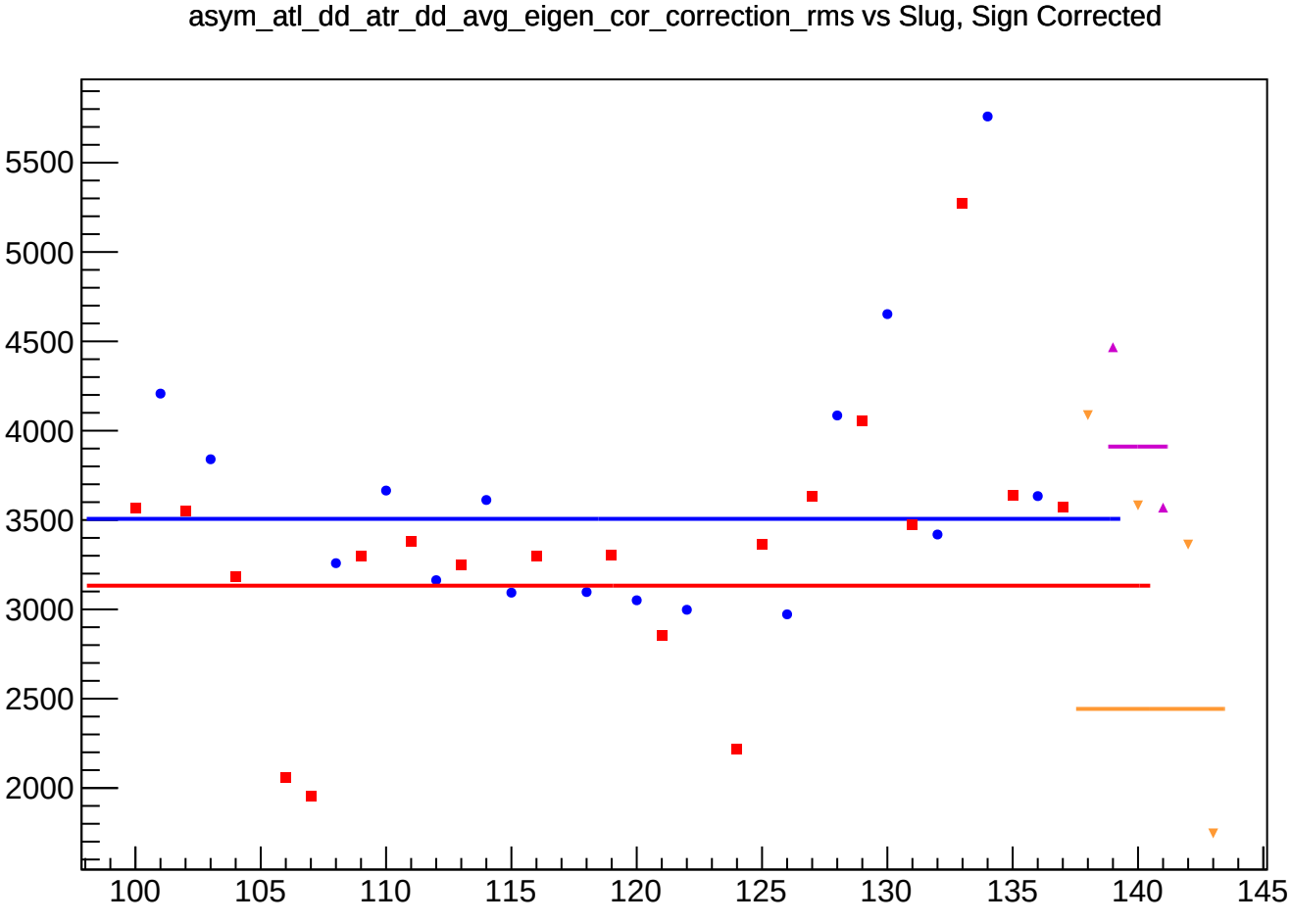
Left: -1050.282+/-1377.713 χ^2/NDF: 1.9/5

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: 88.361+/-743.102 χ^2/NDF: 35.7/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

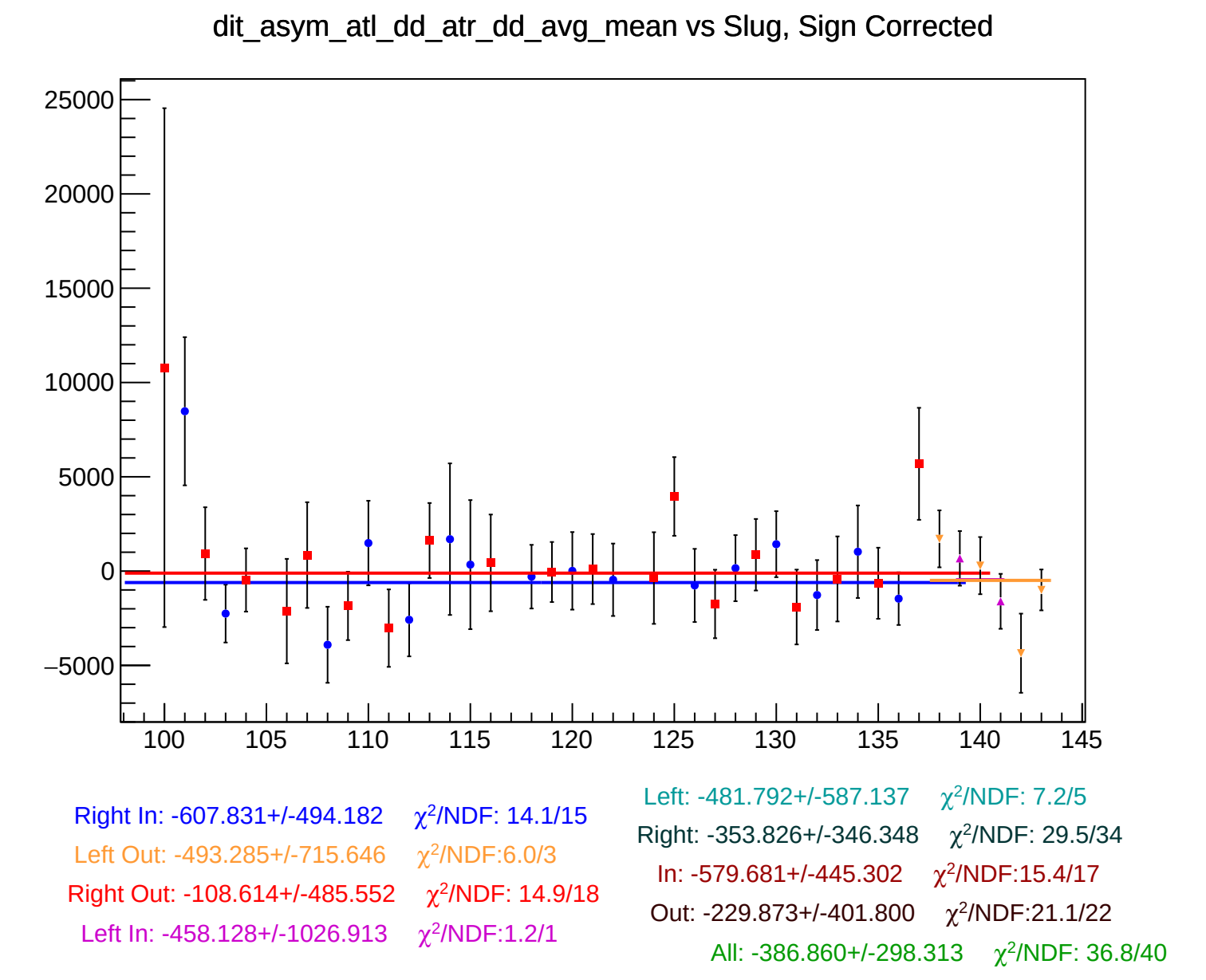
Left: 2752.819+/-0.974 χ^2/NDF: 1160945.1/5

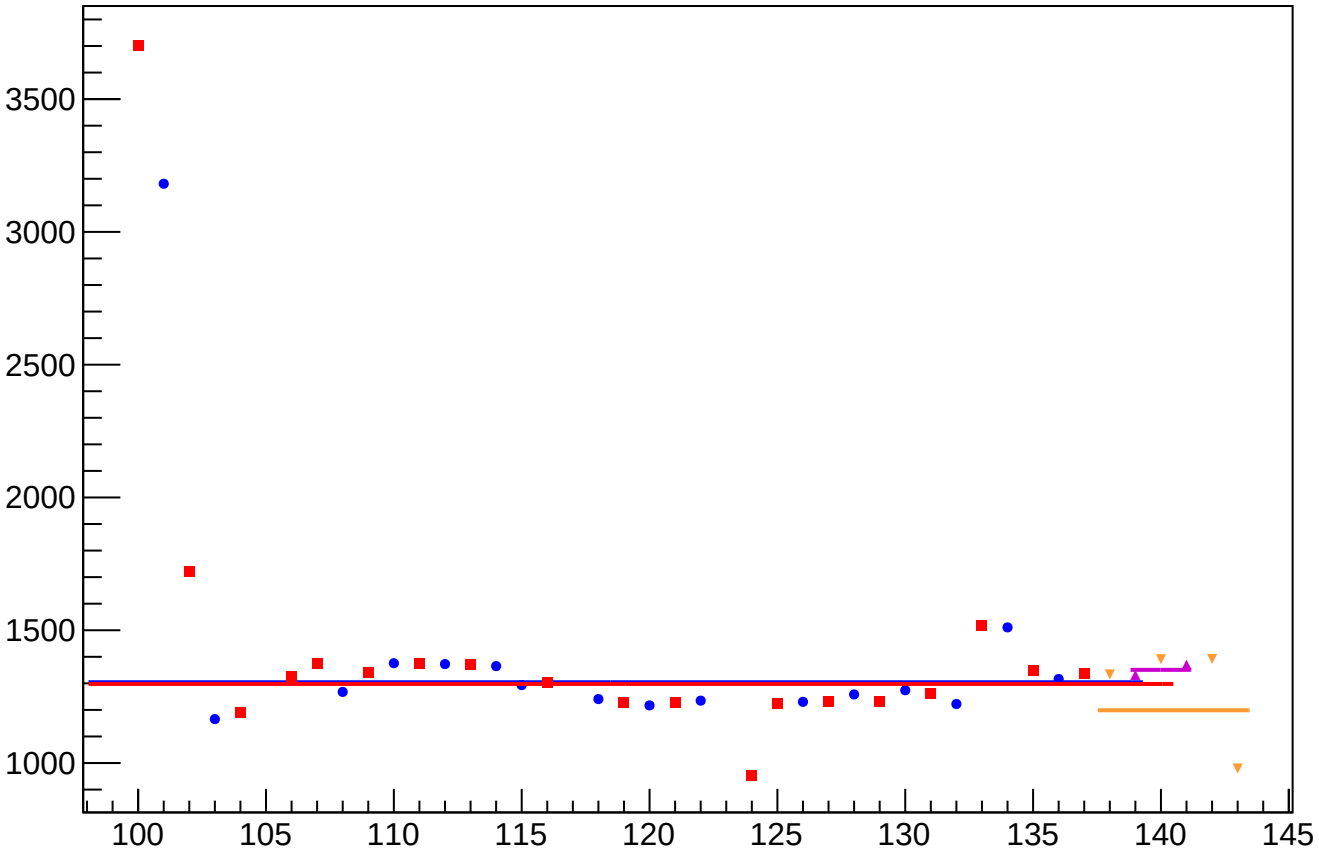
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40


dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
105
110
115
120
125
130
135
140
145
Right In: -607.831+/-494.182 χ²/NDF: 14.1/15
Left Out: -493.285+/-715.646 χ²/NDF:6.0/3
Right Out: -108.614+/-485.552 χ²/NDF: 14.9/18
Left In: -458.128+/-1026.913 χ²/NDF:1.2/1
Left: -481.792+/-587.137 χ²/NDF: 7.2/5
Right: -353.826+/-346.348 χ²/NDF: 29.5/34
In: -579.681+/-445.302 χ²/NDF:15.4/17
Out: -229.873+/-401.800 χ²/NDF:21.1/22
All: -386.860+/-298.313 χ²/NDF: 36.8/40



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

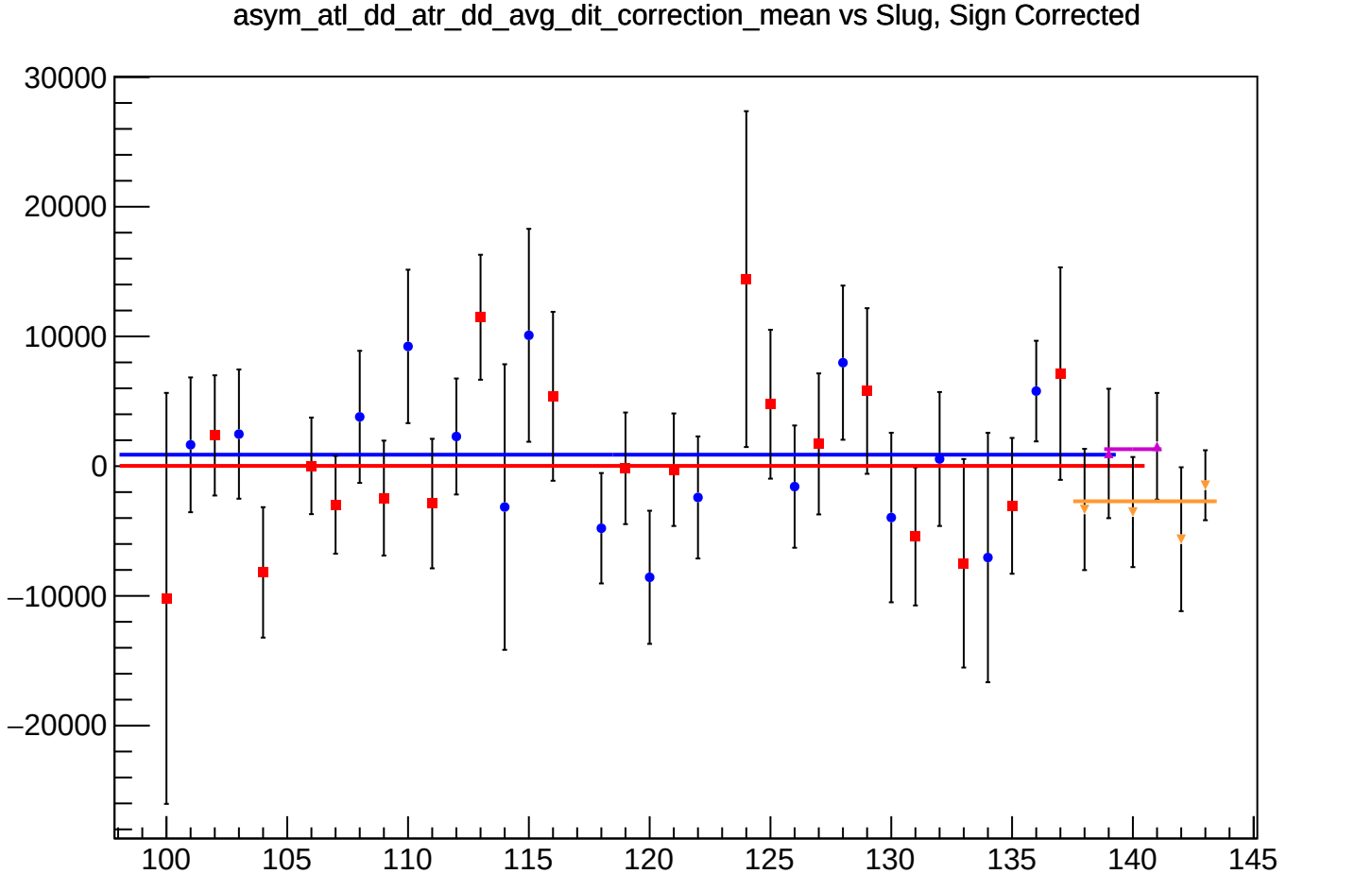
Left: 1248.426+/-0.415 χ^2/NDF: 177339.7/5

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1312.896+/-0.315 χ^2/NDF:514670.3/17

Out: 1266.582+/-0.284 χ^2/NDF:386440.0/22

All: 1287.355+/-0.211 χ^2/NDF: 913041.4/40



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1309.261+/-3173.459 χ^2/NDF:0.0/1

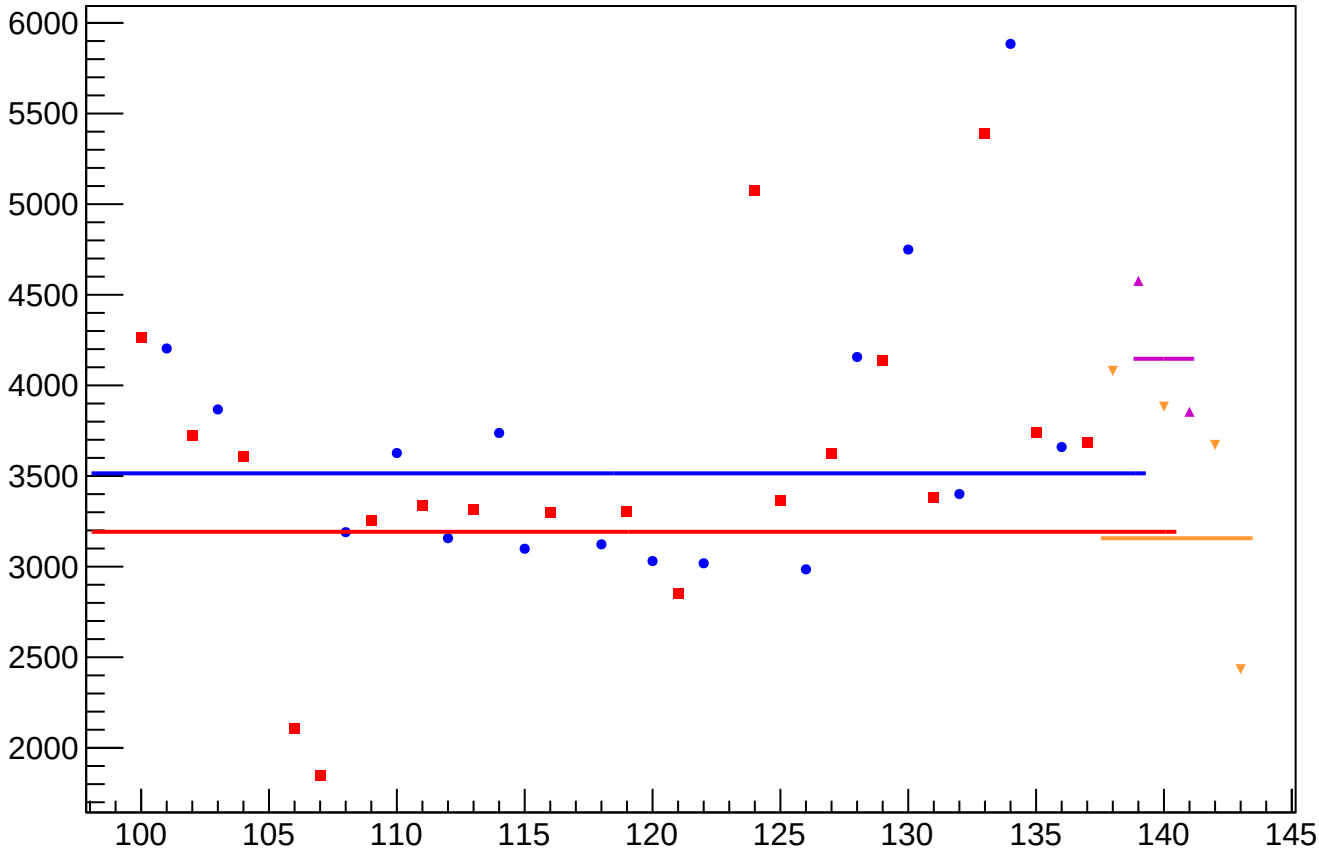
Left: -1631.198+/-1642.801 χ^2/NDF: 1.7/5

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 947.373+/-1224.588 χ^2/NDF:14.1/17

Out: -745.662+/-1017.622 χ^2/NDF:18.8/22

All: -54.099+/-782.660 χ^2/NDF: 34.1/40



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

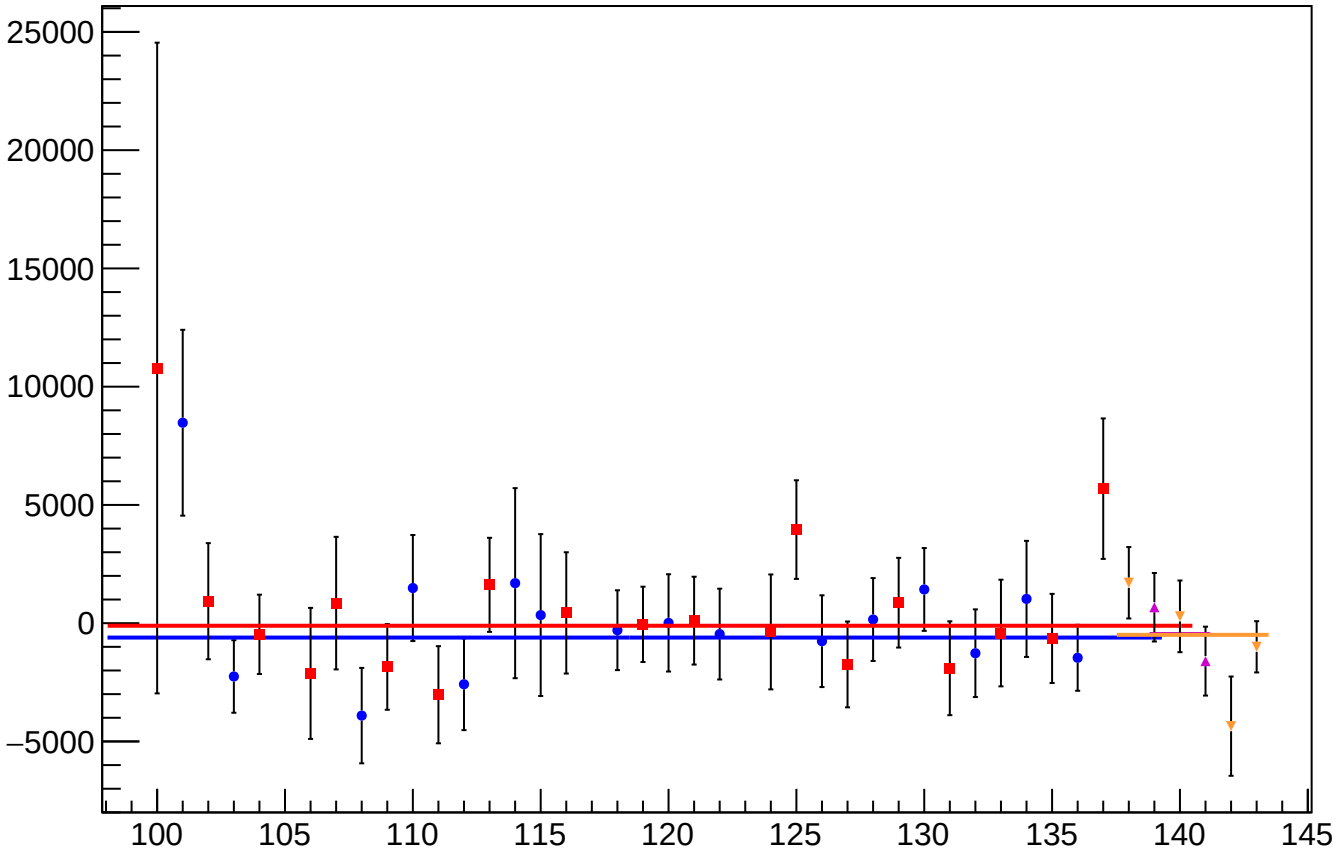
Left: 3421.977+/-1.162 χ^2/NDF: 464853.7/5

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3608.863+/-0.866 χ^2/NDF:467543.2/17

Out: 3182.211+/-0.720 χ^2/NDF:1070371.2/22

All: 3356.488+/-0.553 χ^2/NDF: 1681519.4/40



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -458.120+/-1026.914 χ^2/NDF:1.2/1

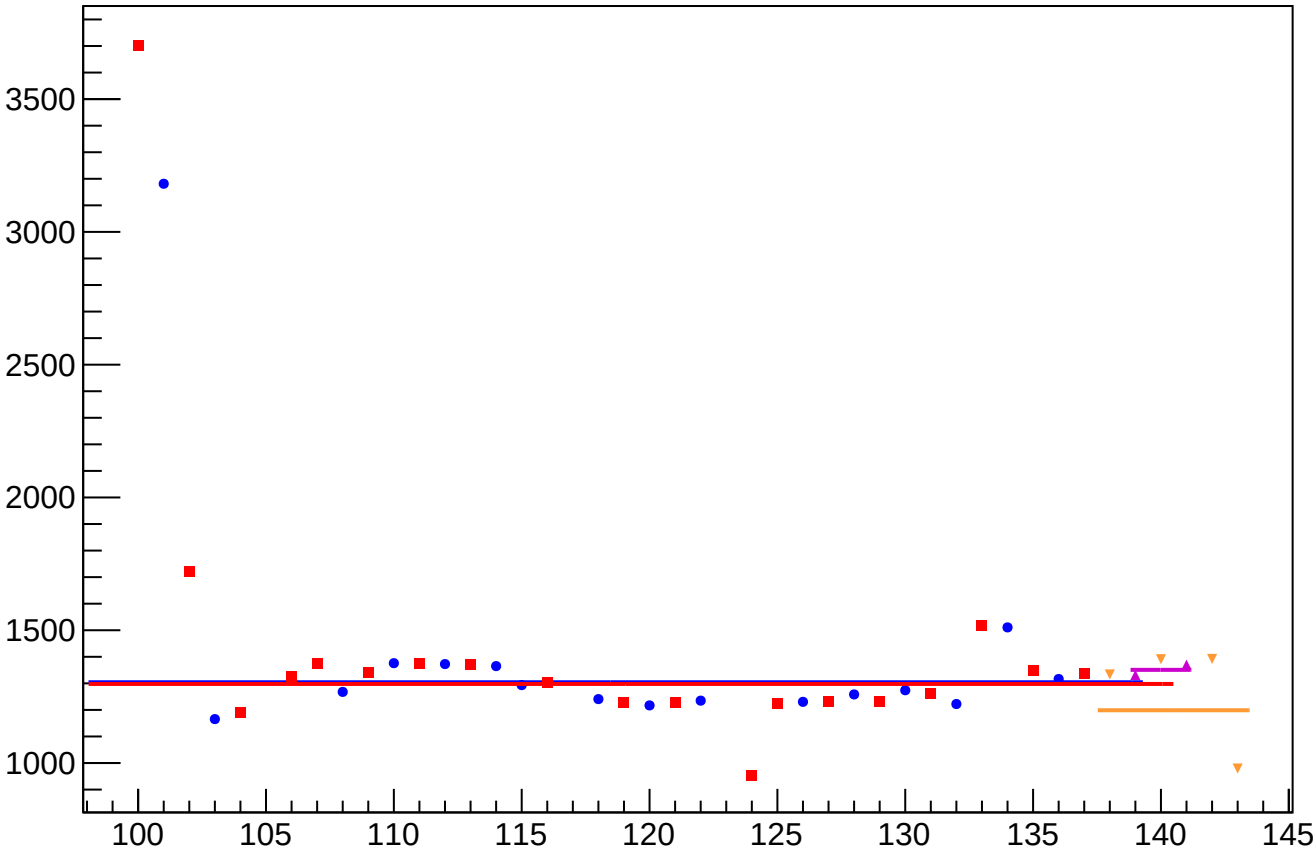
Left: -481.792+/-587.137 χ^2/NDF: 7.2/5

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -579.682+/-445.302 χ^2/NDF:15.4/17

Out: -229.877+/-401.800 χ^2/NDF:21.1/22

All: -386.863+/-298.313 χ^2/NDF: 36.8/40



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

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: 1248.427+/-0.415 χ^2/NDF: 177339.5/5

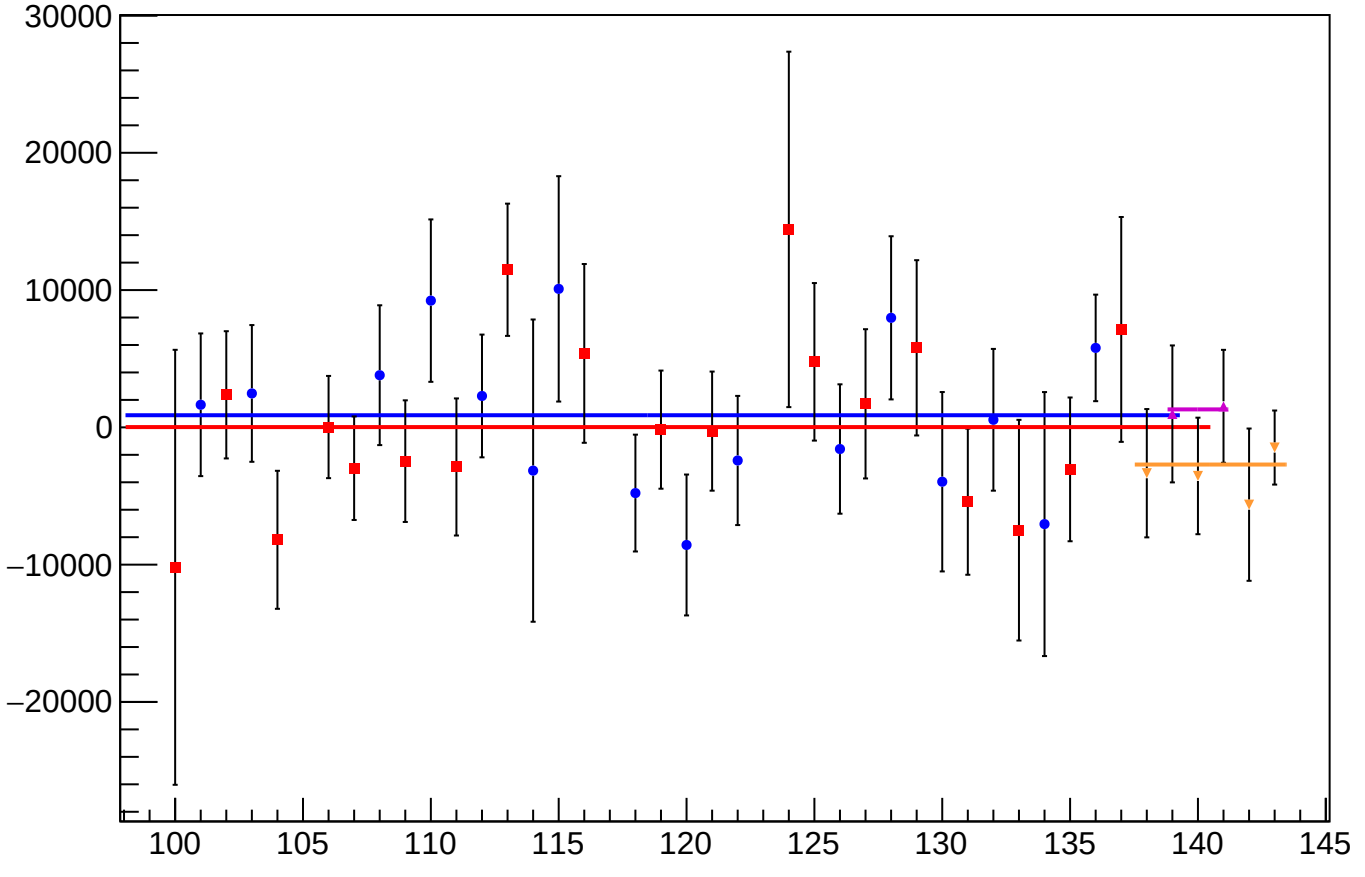
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1312.896+/-0.315 χ^2/NDF:514670.6/17

Out: 1266.582+/-0.284 χ^2/NDF:386439.5/22

All: 1287.355+/-0.211 χ^2/NDF: 913041.1/40

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: -2707.658+/-1920.102 χ^2/NDF:0.5/3

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1309.271+/-3173.463 χ^2/NDF:0.0/1

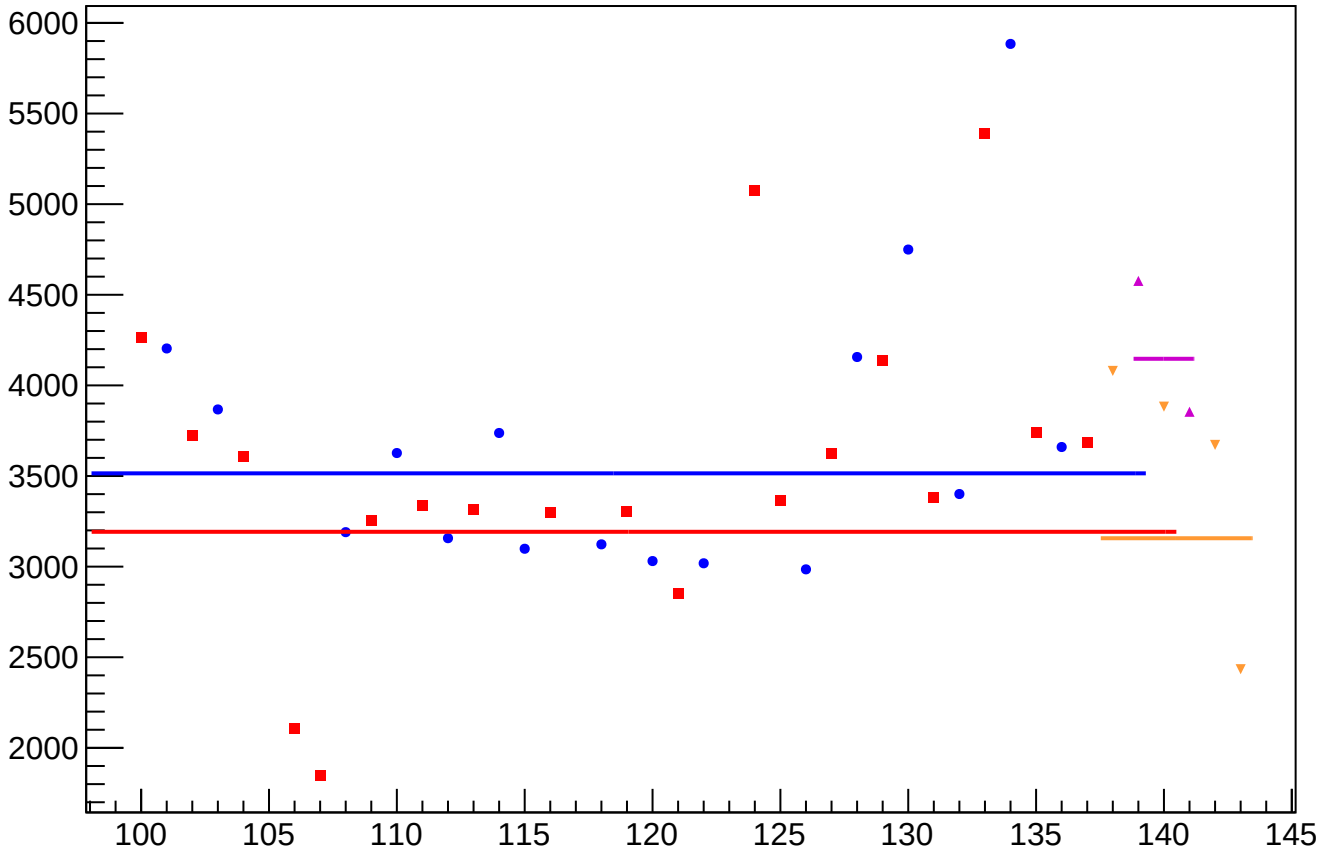
Left: -1631.198+/-1642.803 χ^2/NDF: 1.7/5

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 947.365+/-1224.586 χ^2/NDF:14.1/17

Out: -745.661+/-1017.620 χ^2/NDF:18.8/22

All: -54.102+/-782.658 χ^2/NDF: 34.1/40



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

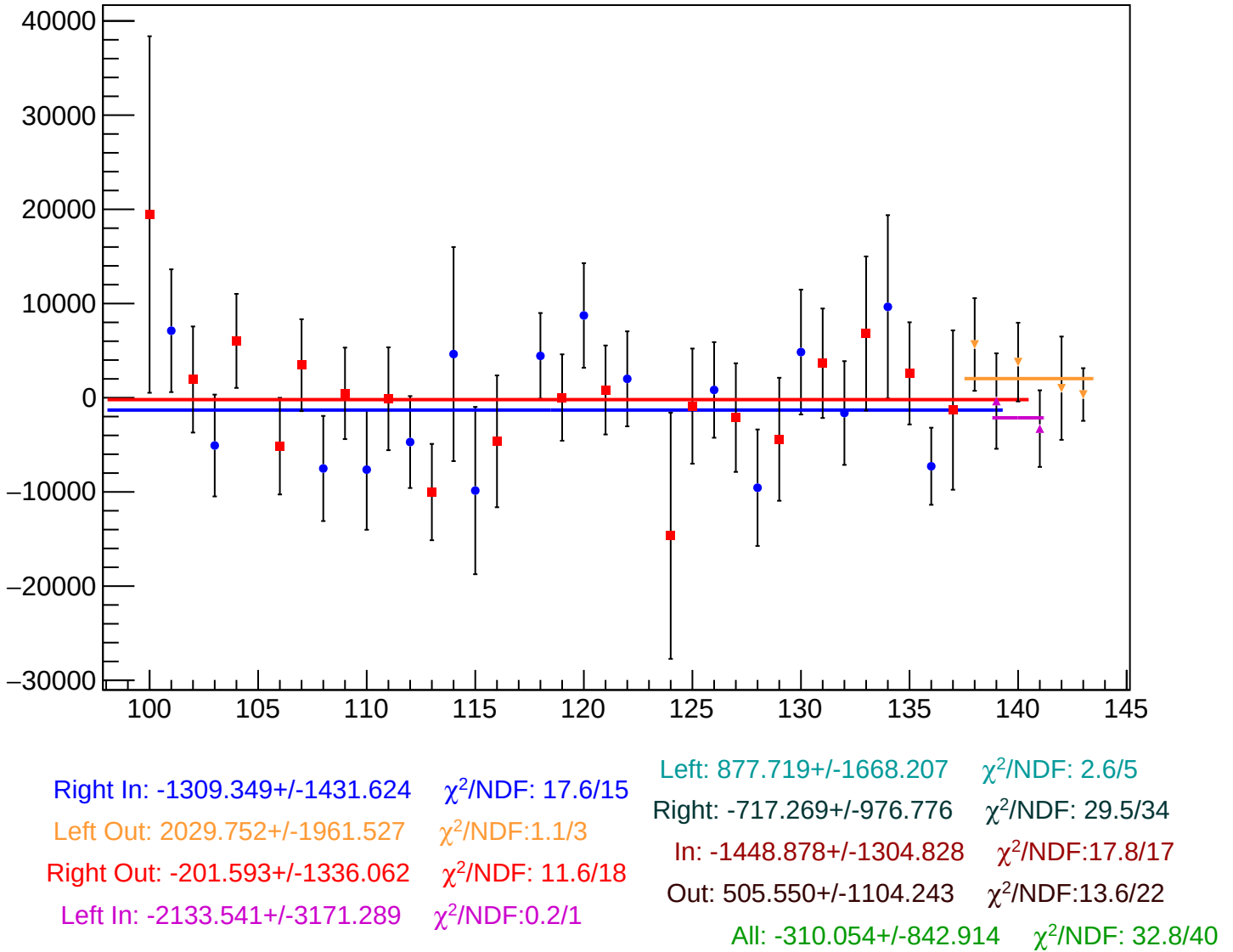
Left: 3421.982+/-1.162 χ^2/NDF: 464854.7/5

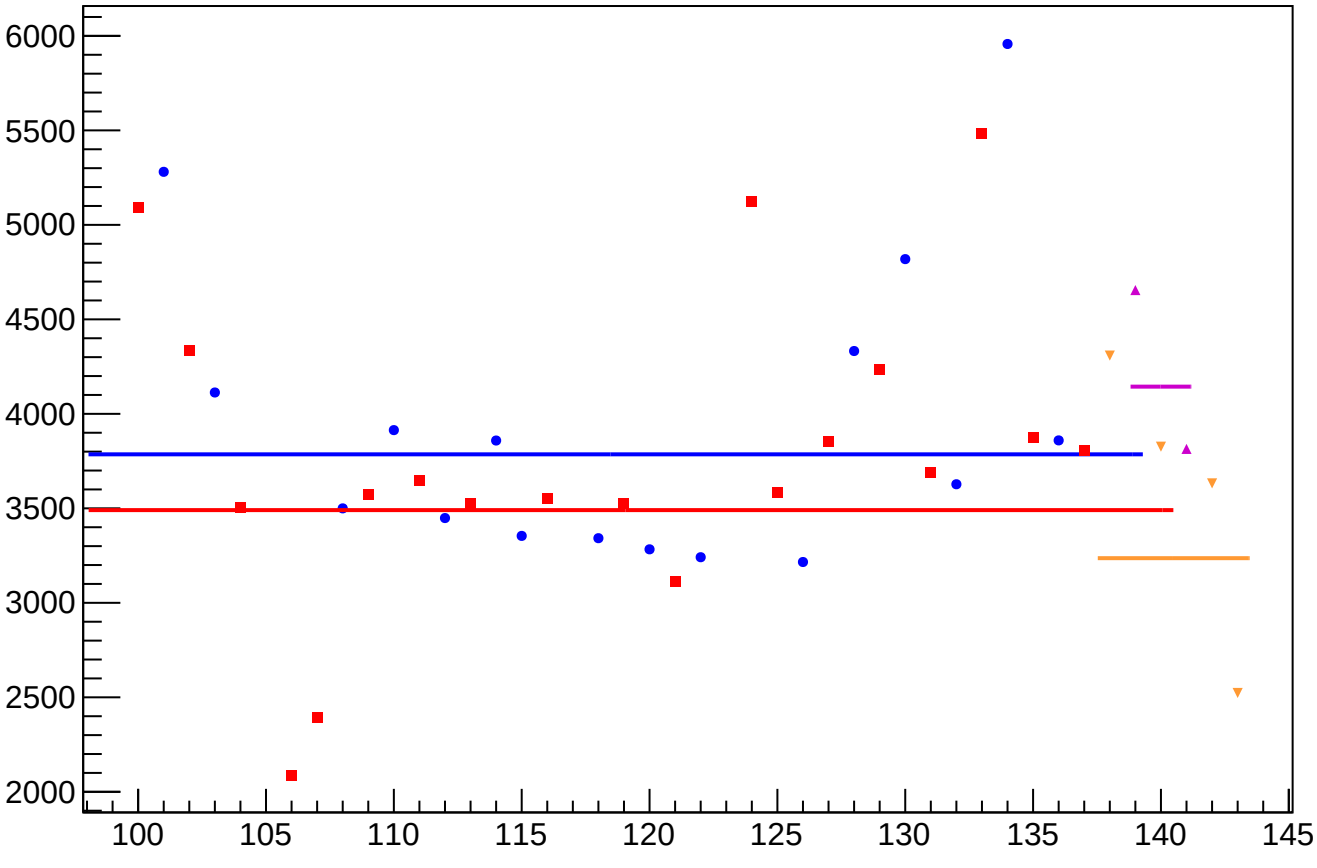
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3608.855+/-0.866 χ^2/NDF:467551.1/17

Out: 3182.207+/-0.720 χ^2/NDF:1070373.5/22

All: 3356.482+/-0.553 χ^2/NDF: 1681527.9/40


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
145
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 2029.752+/-1961.527 χ²/NDF:1.1/3
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -2133.541+/-3171.289 χ²/NDF:0.2/1
Left: 877.719+/-1668.207 χ²/NDF: 2.6/5
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -1448.878+/-1304.828 χ²/NDF:17.8/17
Out: 505.550+/-1104.243 χ²/NDF:13.6/22
All: -310.054+/-842.914 χ²/NDF: 32.8/40



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

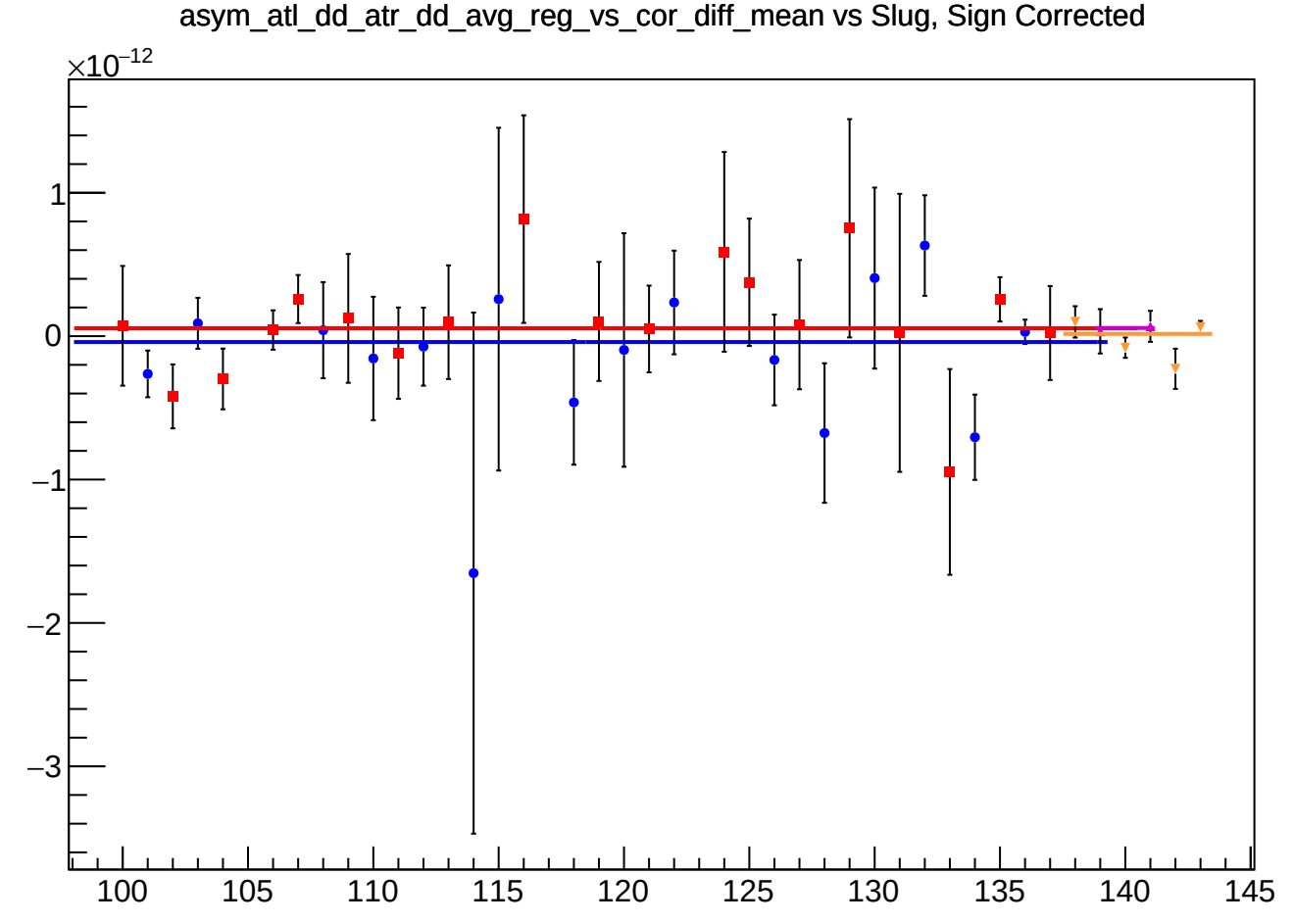
Left: 3487.450+/-1.180 χ^2/NDF: 427561.4/5

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3846.413+/-0.923 χ^2/NDF:437666.8/17

Out: 3411.516+/-0.773 χ^2/NDF:885458.1/22

All: 3591.016+/-0.593 χ^2/NDF: 1453600.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

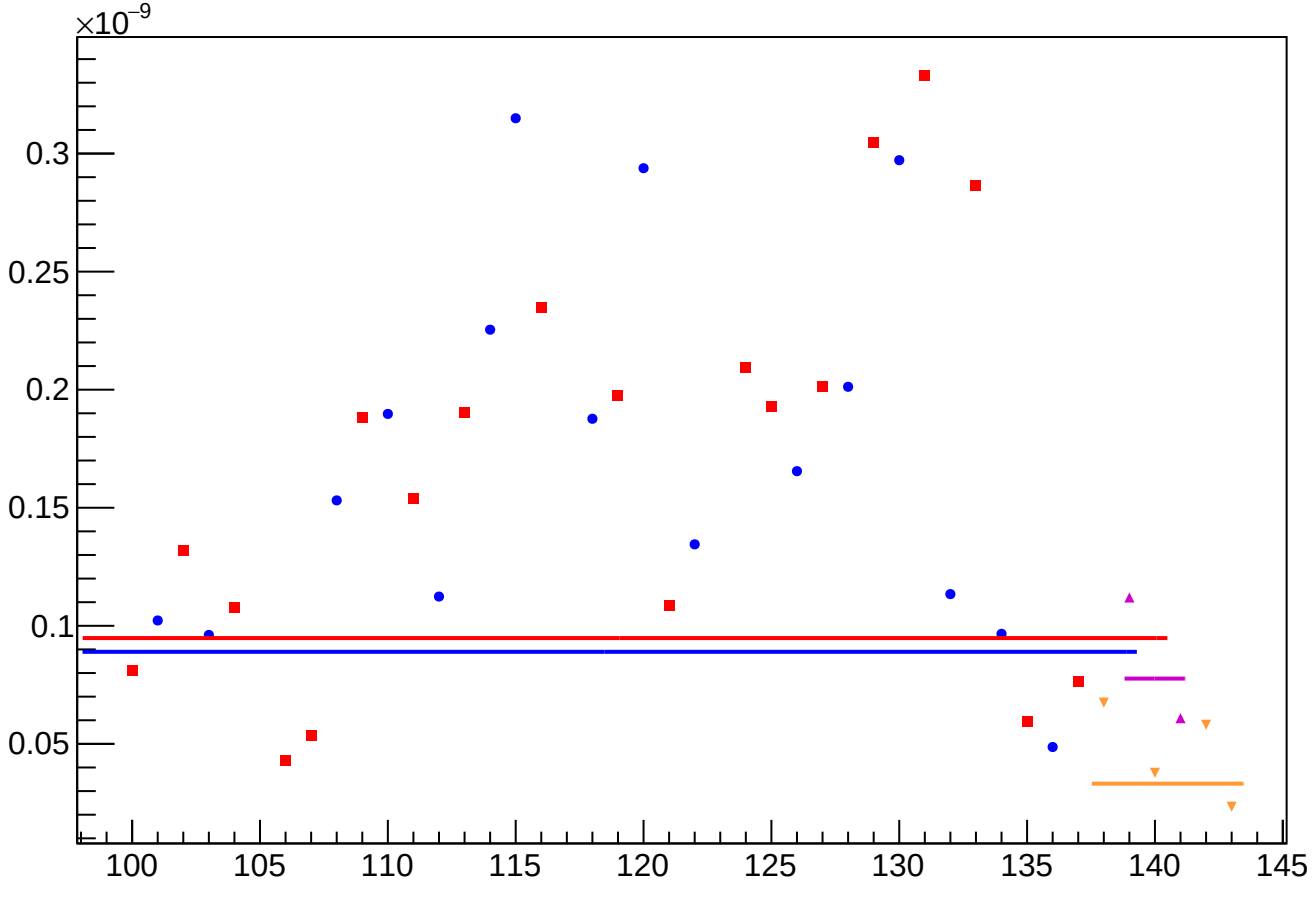
Left: 0.000+/-0.000 χ^2/NDF: 6.8/5

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:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:146700.5/1

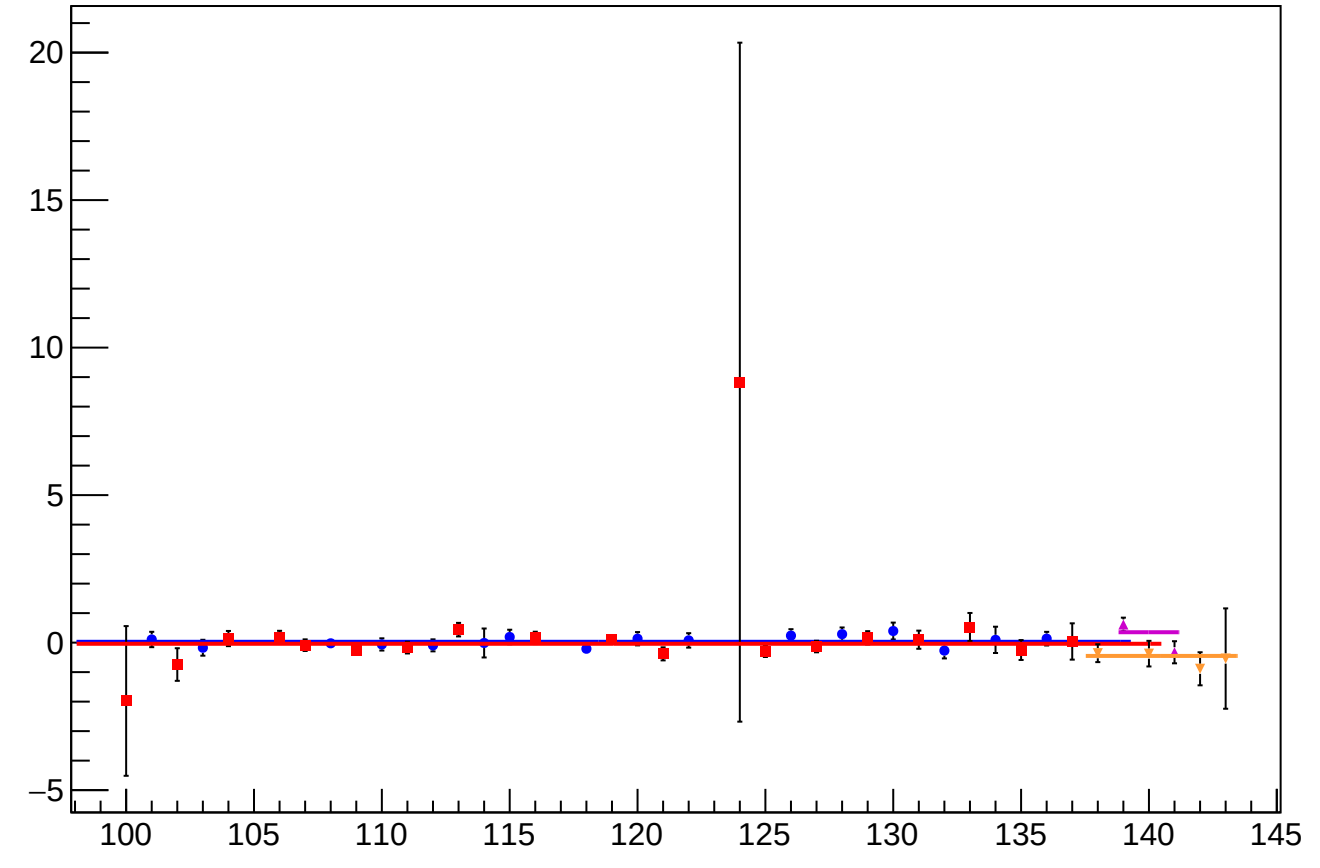
Left: 0.000+/-0.000 χ^2/NDF: 952327.5/5

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:3545840.5/22

All: 0.000+/-0.000 χ^2/NDF: 6072633.0/40



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

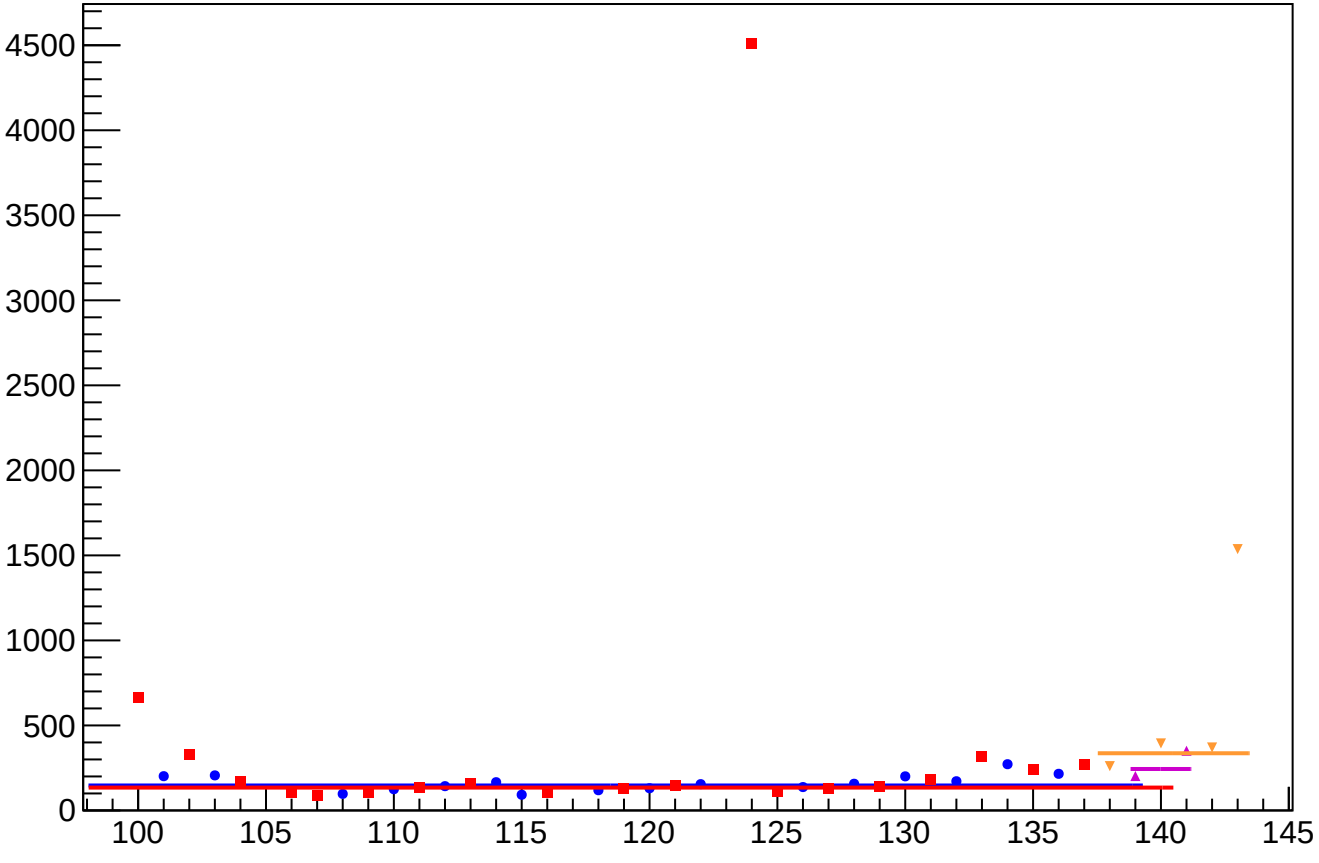
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

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: 284.185+/-0.105 χ^2/NDF: 1582782.5/5

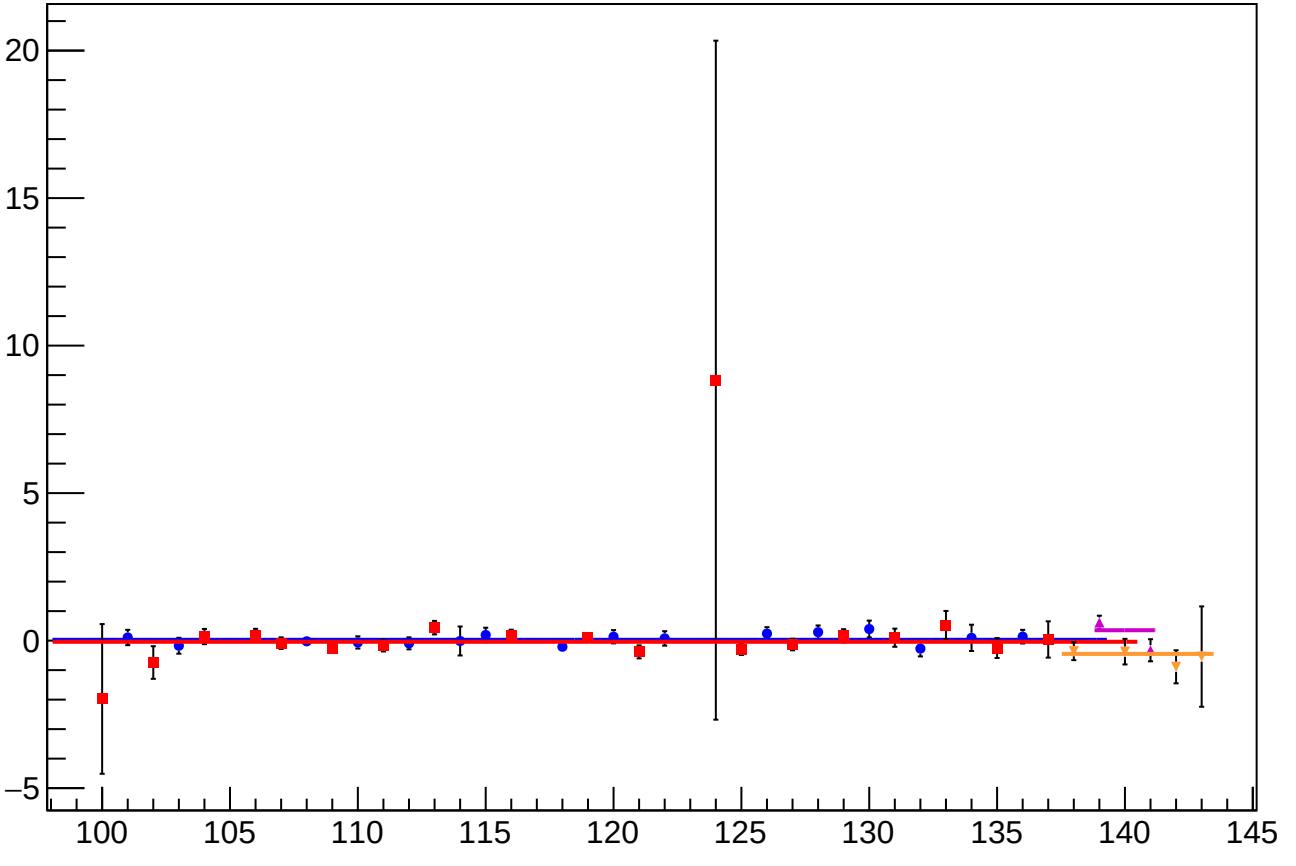
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

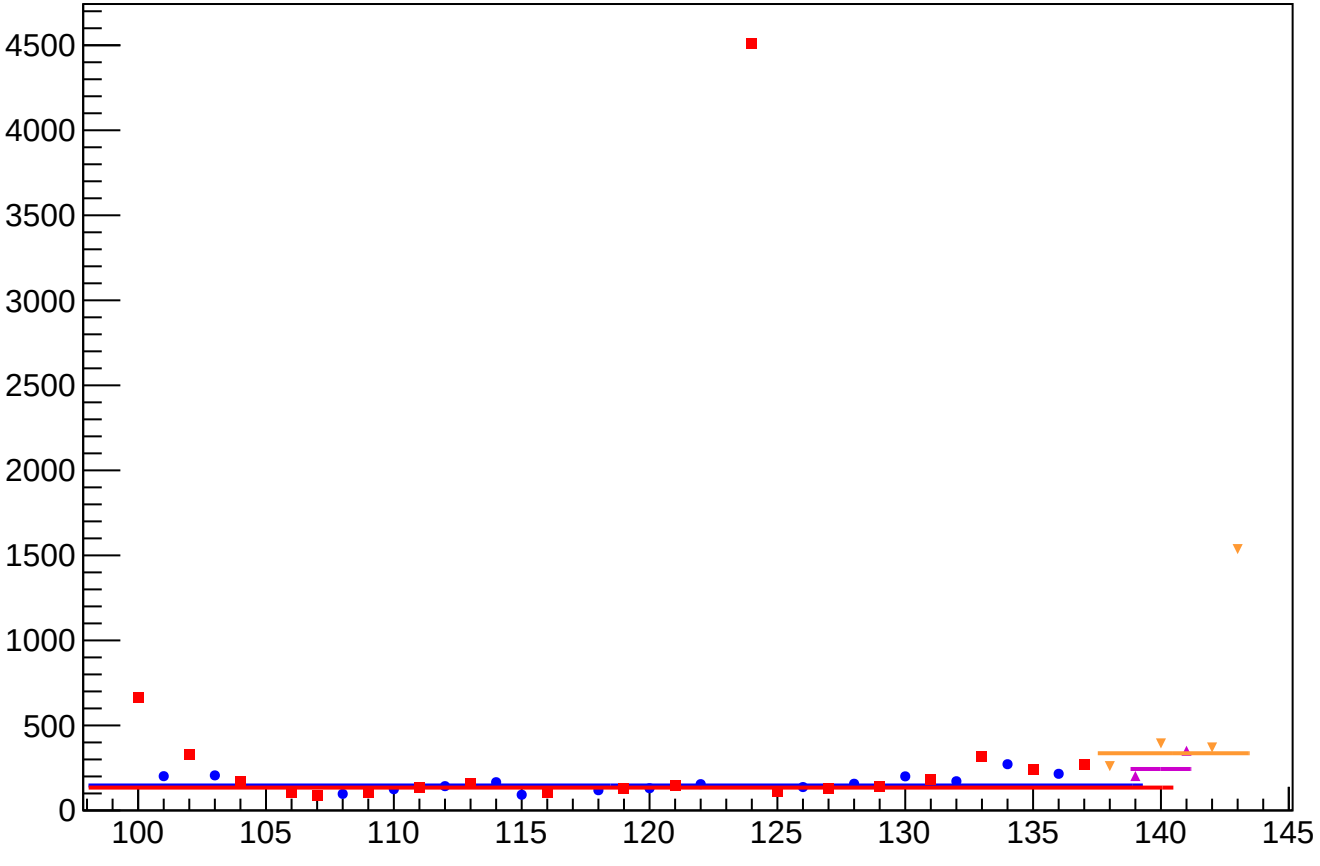
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

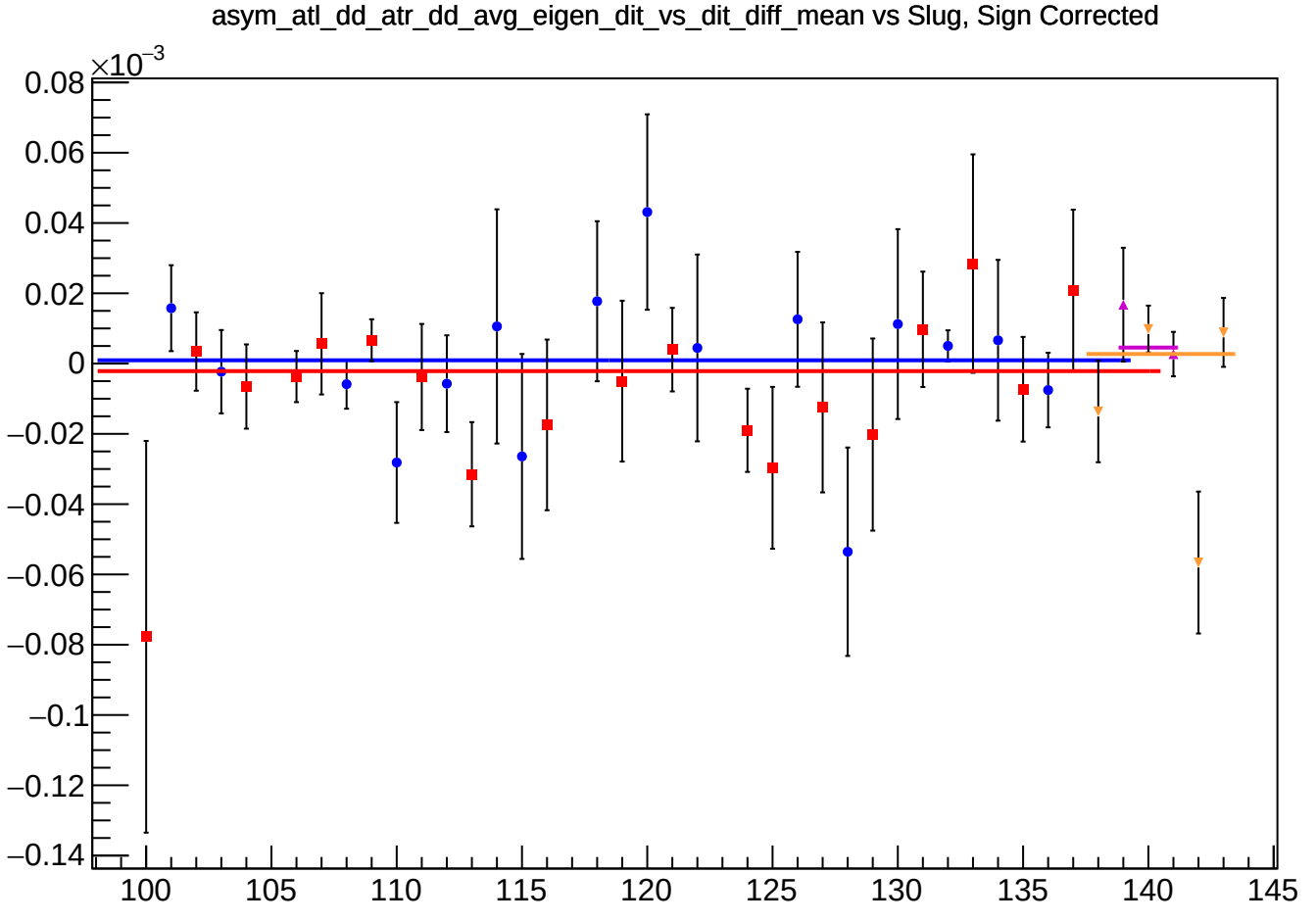
Left: 284.185+/-0.105 χ^2/NDF: 1582782.5/5

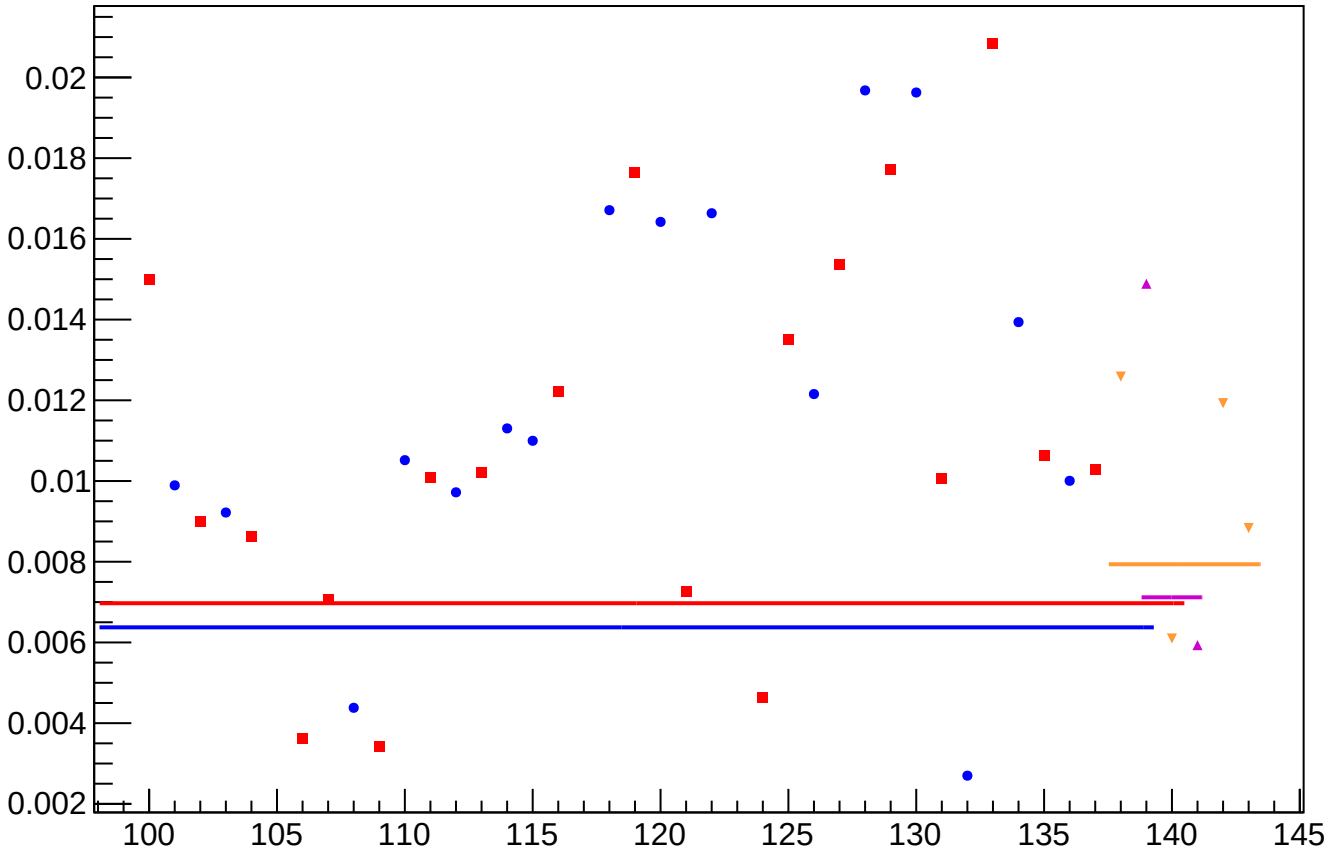
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.7/1
Left: 0.000+/-0.000 χ²/NDF: 12.2/5
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:15.8/17
Out: -0.000+/-0.000 χ²/NDF:28.2/22
All: 0.000+/-0.000 χ²/NDF: 44.5/40



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

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: 0.008+/-0.000 χ^2/NDF: 1007079.2/5

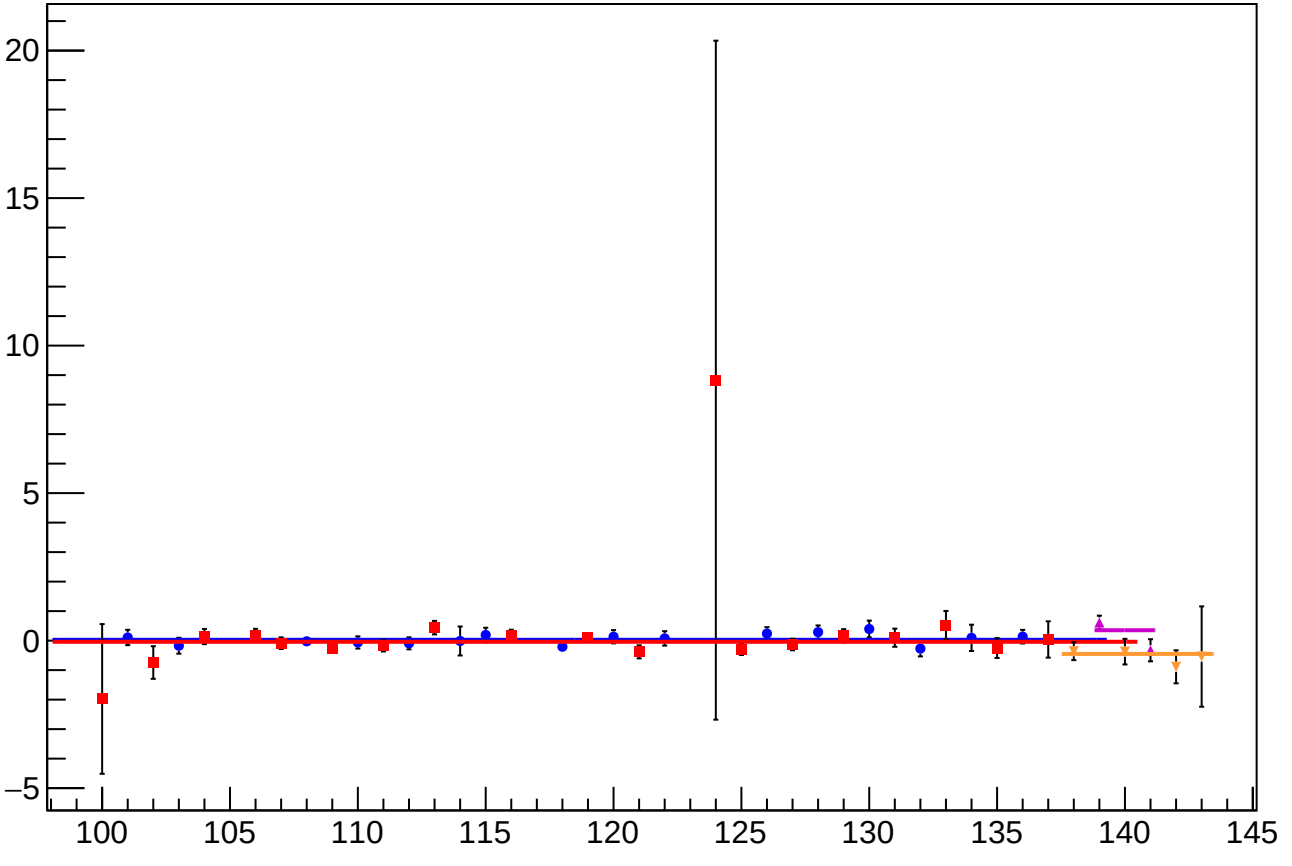
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5195831.4/17

Out: 0.007+/-0.000 χ^2/NDF:3918888.7/22

All: 0.007+/-0.000 χ^2/NDF: 9188865.3/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

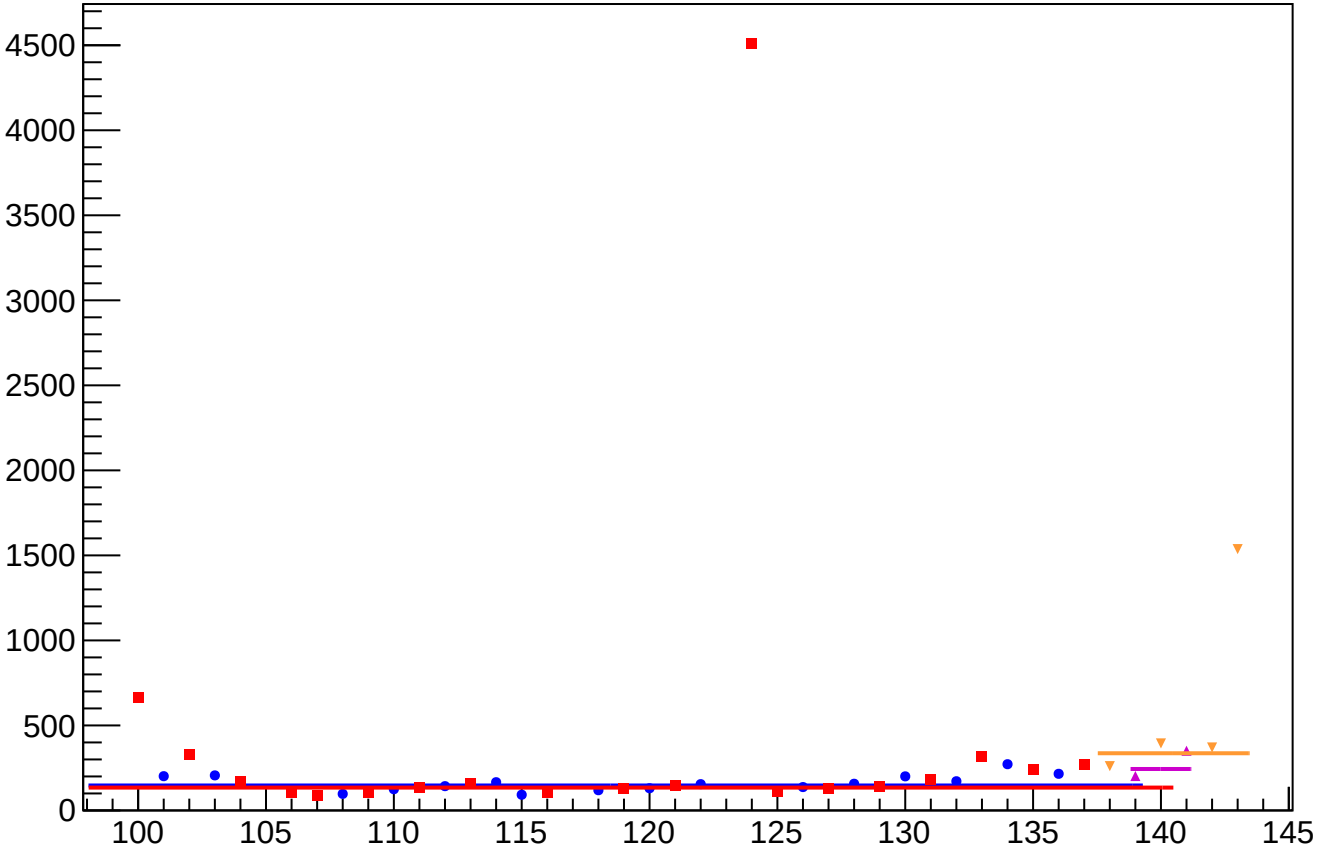
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

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: 284.190+/-0.105 χ^2/NDF: 1582753.3/5

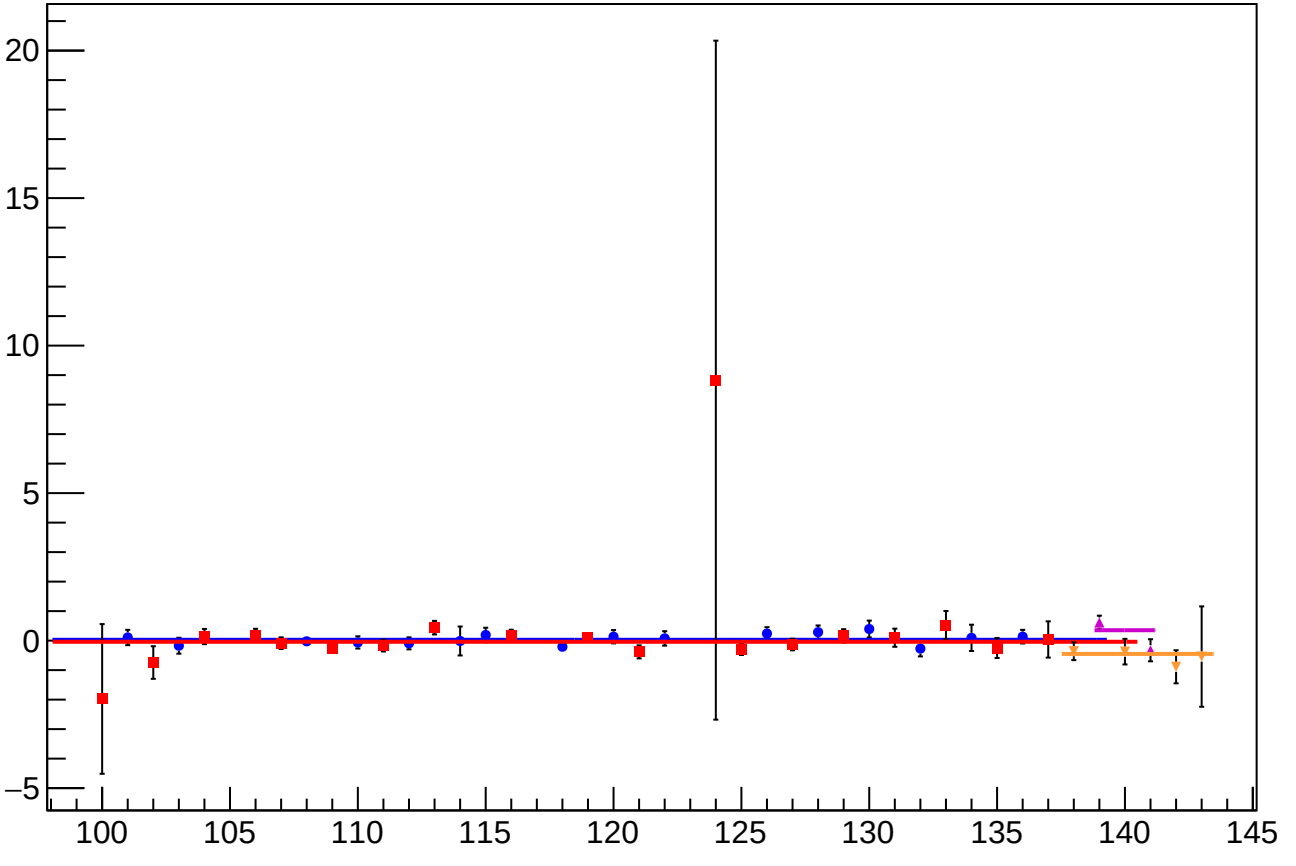
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

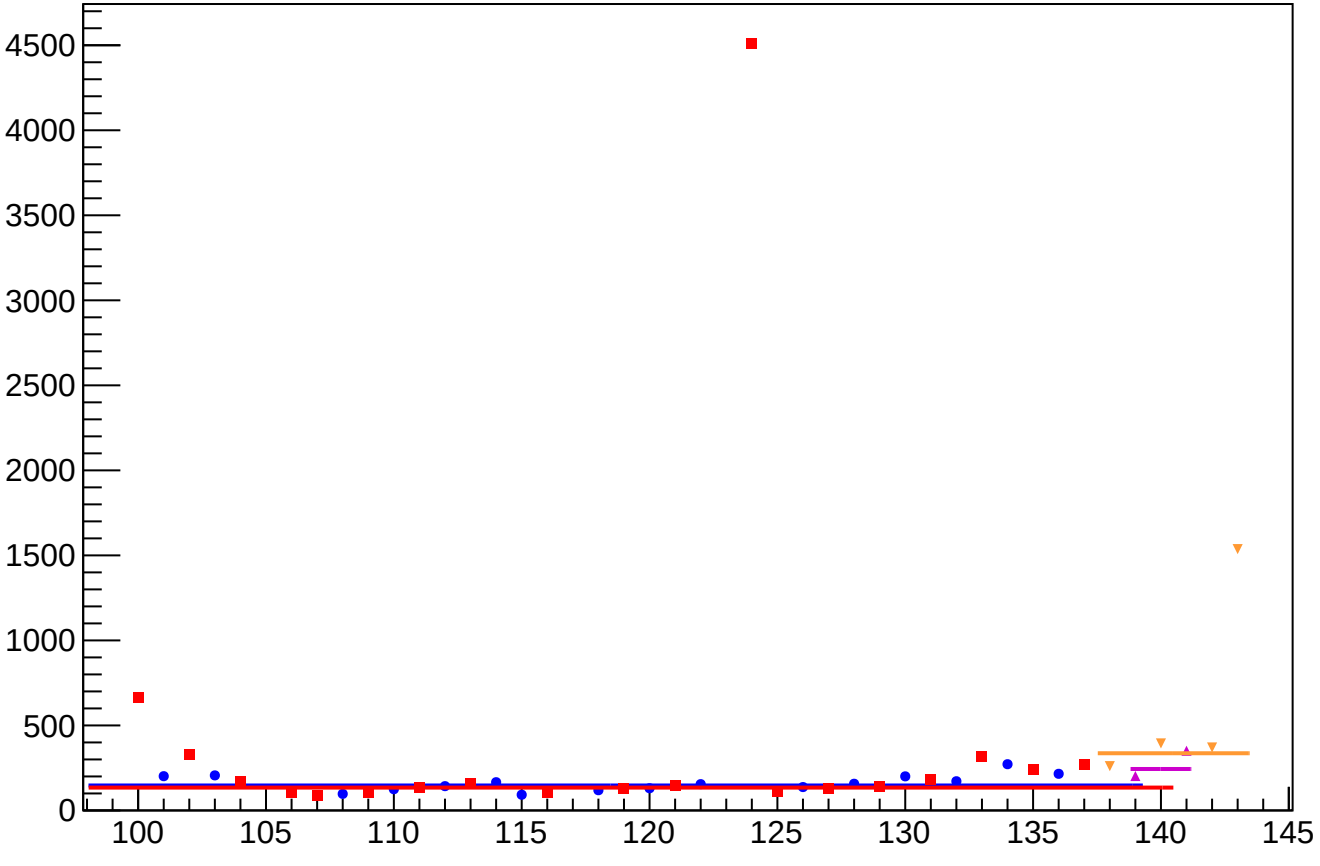
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

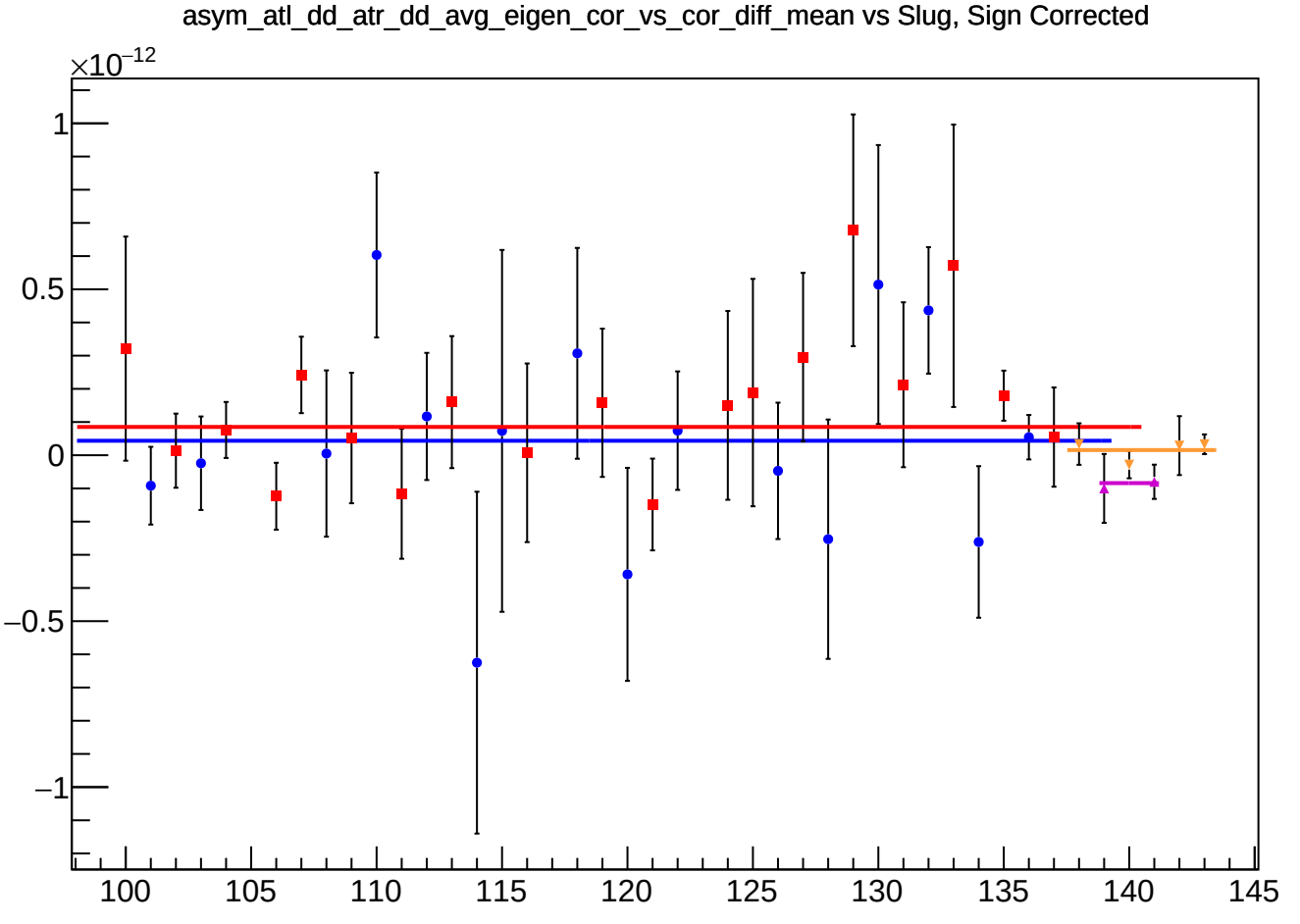
Left: 284.190+/-0.105 χ^2/NDF: 1582753.3/5

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

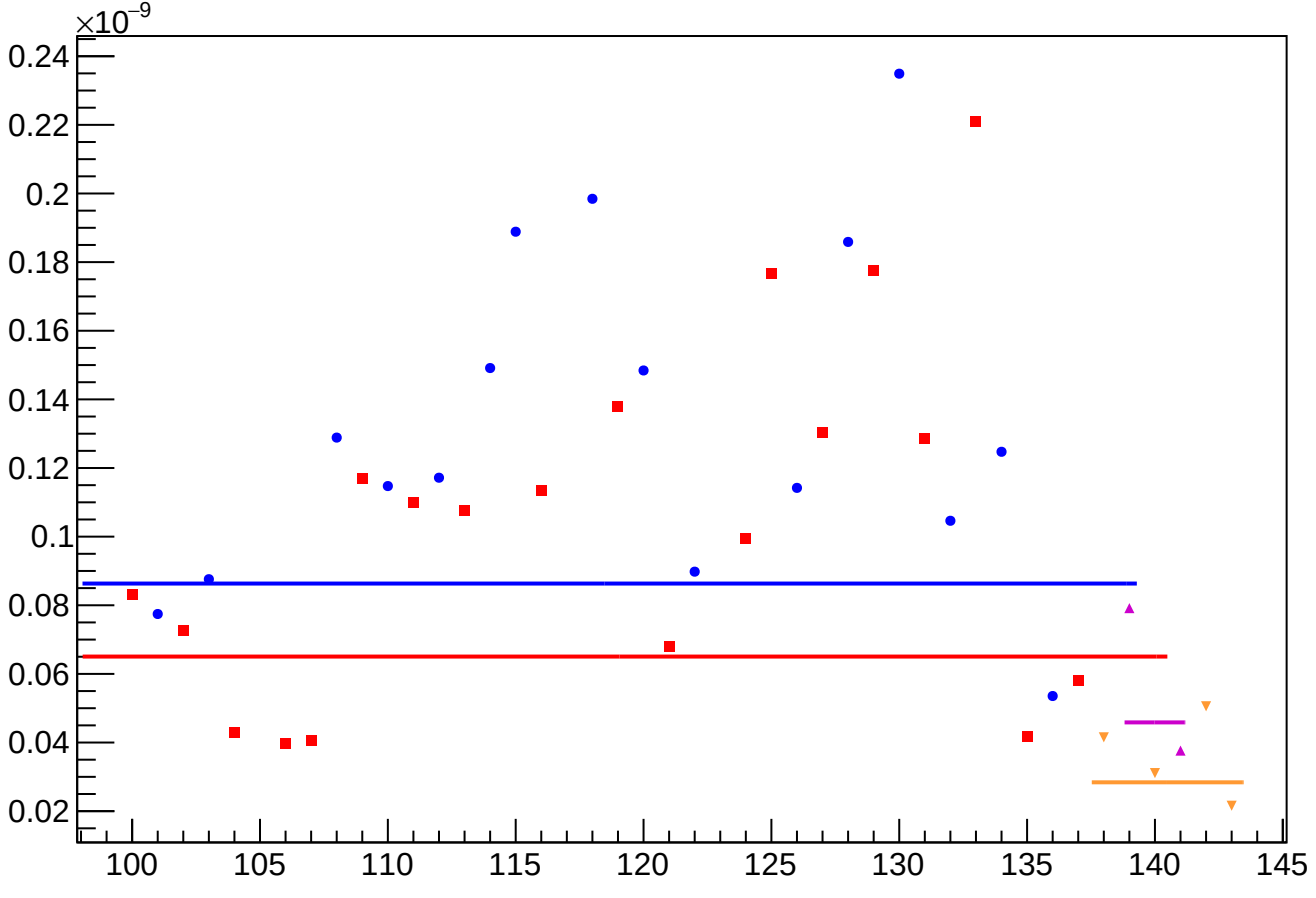
Left: -0.000+/-0.000 χ^2/NDF: 5.4/5

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:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

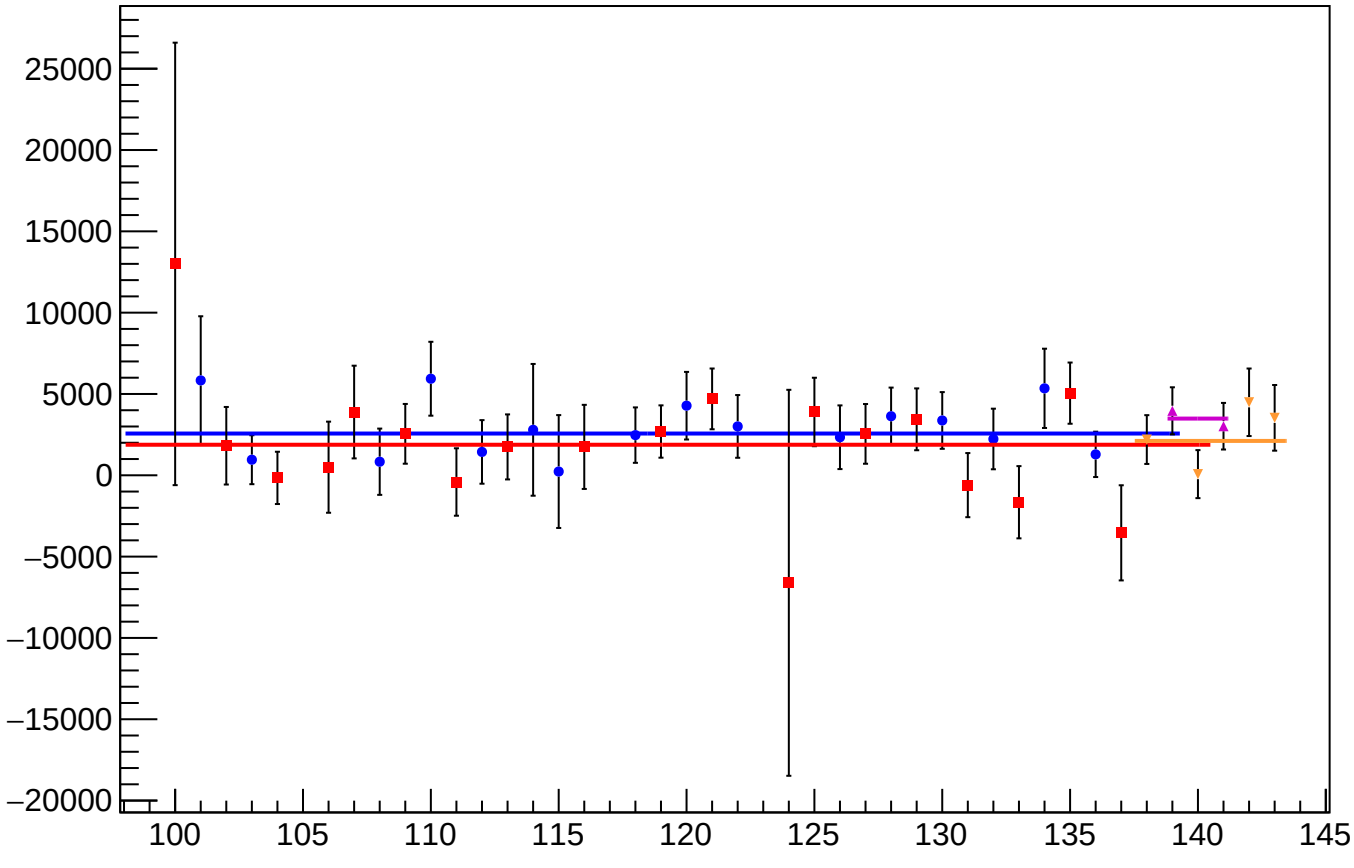
Left: 0.000+/-0.000 χ^2/NDF: 817785.5/5

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:4119634.2/22

All: 0.000+/-0.000 χ^2/NDF: 8019028.8/40



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.226+/-850.958 χ^2/NDF:3.7/3

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 3486.669+/-1017.829 χ^2/NDF:0.2/1

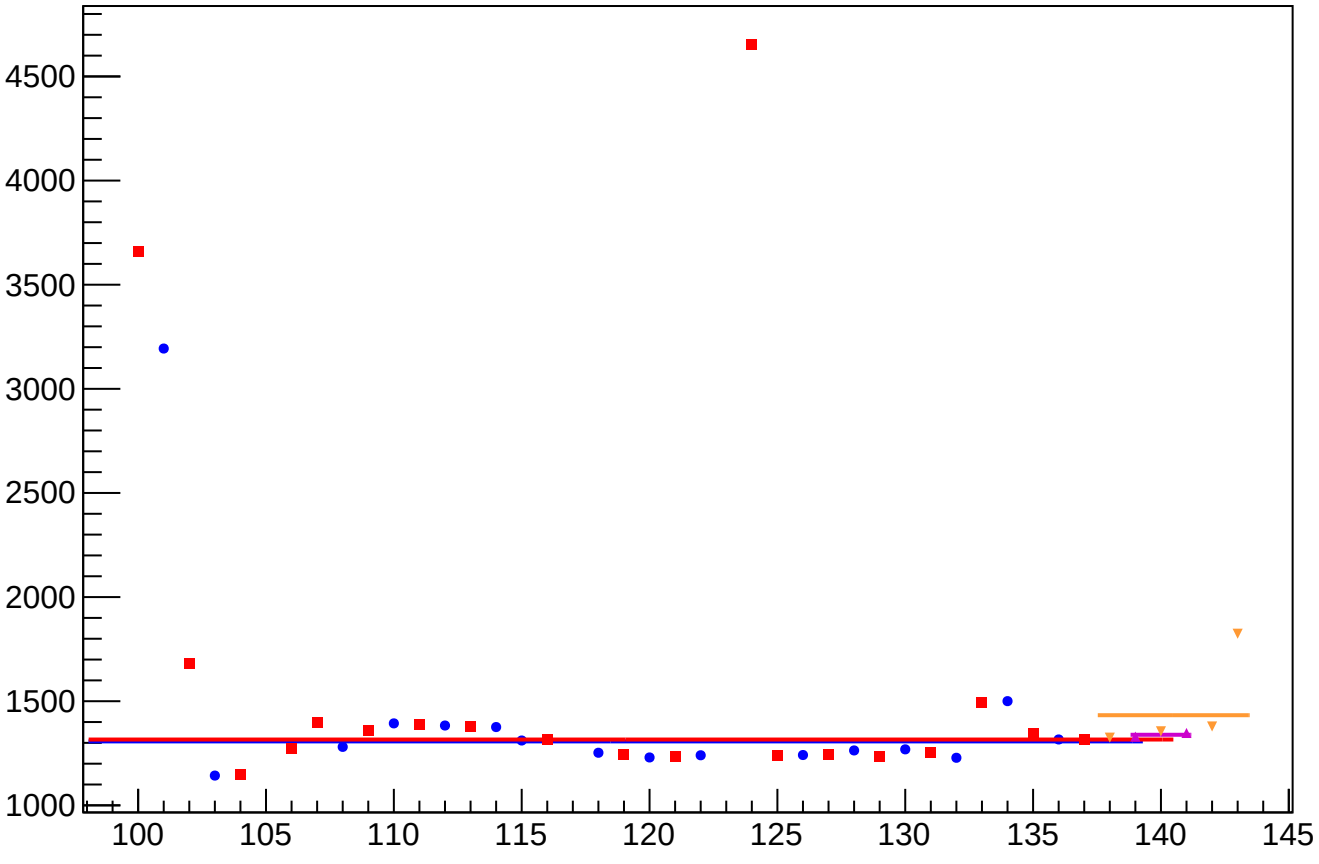
Left: 2678.277+/-652.850 χ^2/NDF: 5.0/5

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2743.492+/-445.414 χ^2/NDF:9.9/17

Out: 1937.442+/-427.693 χ^2/NDF:23.3/22

All: 2324.115+/-308.499 χ^2/NDF: 34.9/40



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

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: 1394.145+/-0.462 χ^2/NDF: 102463.3/5

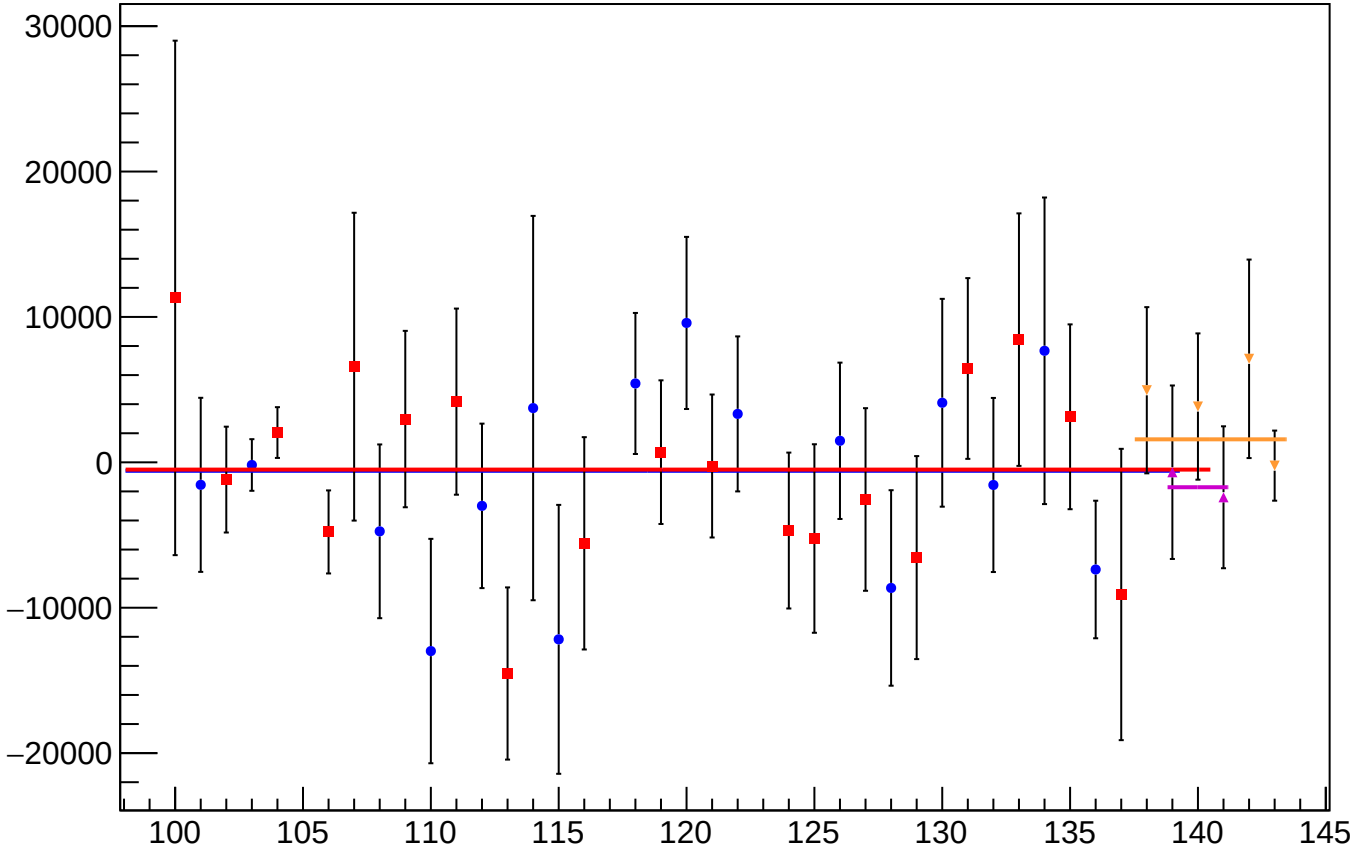
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1313.157+/-0.315 χ^2/NDF:517976.3/17

Out: 1345.382+/-0.302 χ^2/NDF:446902.8/22

All: 1329.955+/-0.218 χ^2/NDF: 970336.4/40

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: 1581.780+/-1947.495 χ^2/NDF:1.8/3

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1712.622+/-3777.686 χ^2/NDF:0.0/1

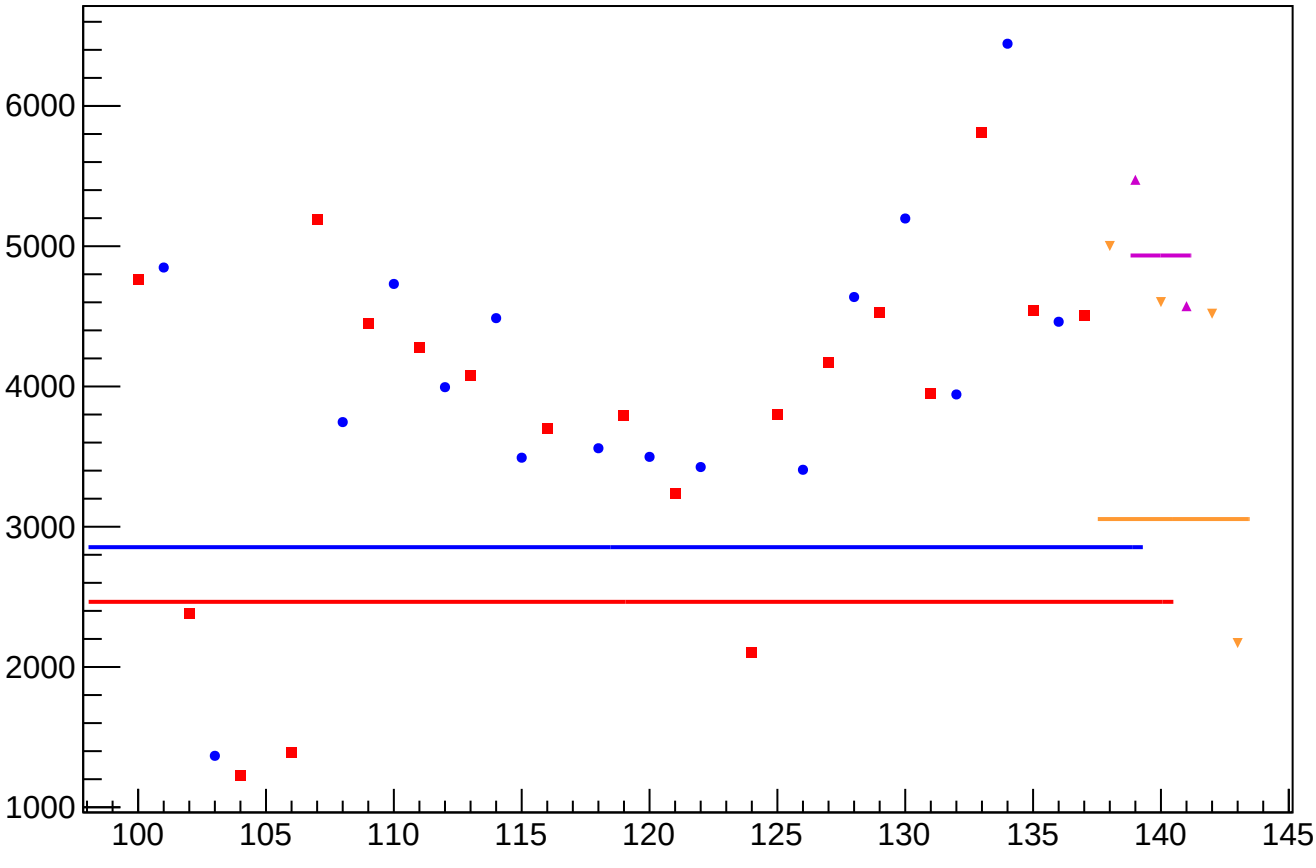
Left: 890.070+/-1731.010 χ^2/NDF: 2.4/5

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -684.320+/-1137.500 χ^2/NDF:14.9/17

Out: -27.459+/-927.927 χ^2/NDF:20.4/22

All: -289.918+/-719.028 χ^2/NDF: 35.4/40



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3054.754+/-1.377 χ^2/NDF:782100.7/3

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4933.926+/-2.671 χ^2/NDF:27330.5/1

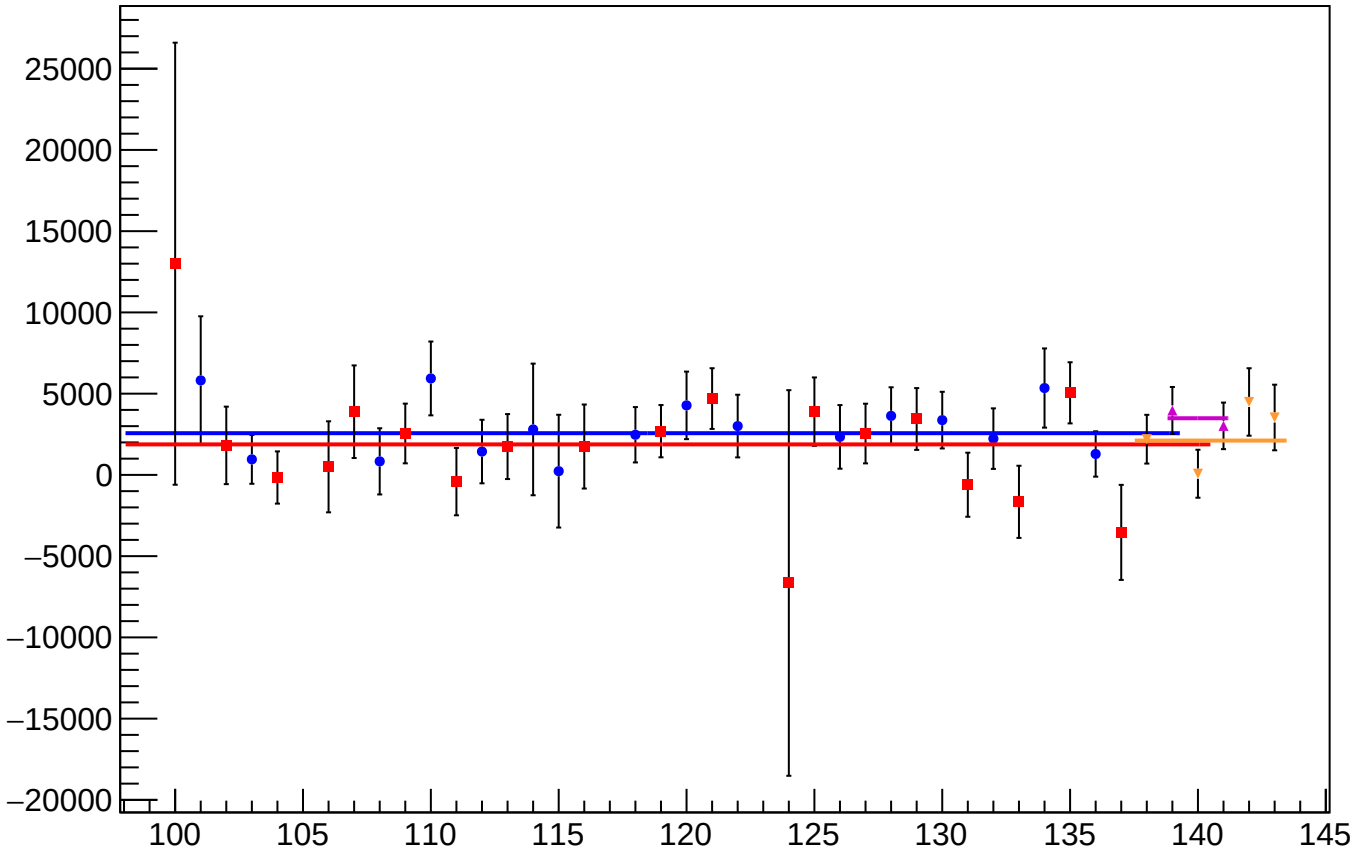
Left: 3449.314+/-1.224 χ^2/NDF: 1200413.8/5

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3042.854+/-0.804 χ^2/NDF:3483304.8/17

Out: 2598.575+/-0.656 χ^2/NDF:4280013.4/22

All: 2776.094+/-0.508 χ^2/NDF: 7946509.3/40



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.305+/-850.958 χ^2/NDF:3.7/3

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3486.936+/-1017.829 χ^2/NDF:0.2/1

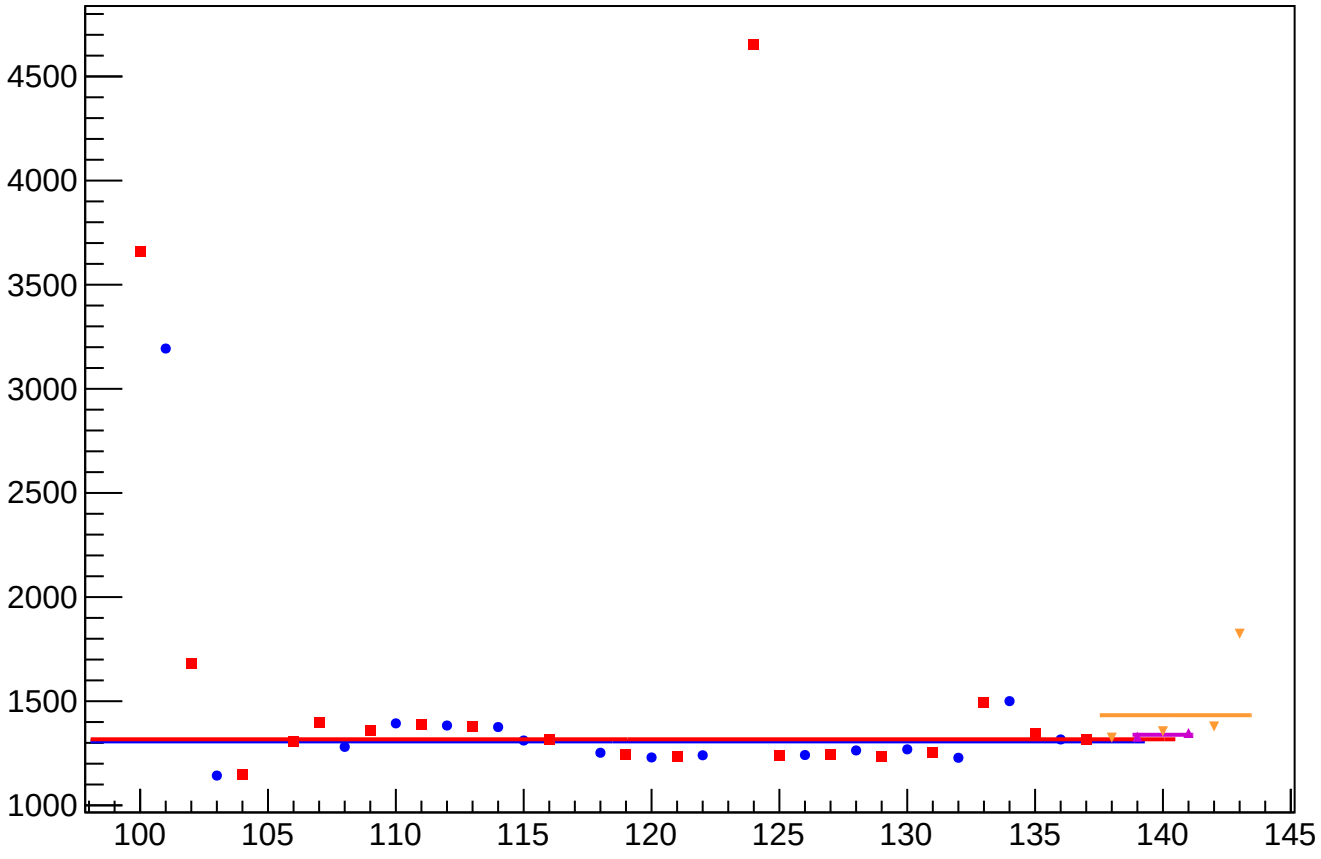
Left: 2678.433+/-652.850 χ^2/NDF: 5.0/5

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2743.317+/-445.414 χ^2/NDF:9.9/17

Out: 1937.271+/-427.694 χ^2/NDF:23.3/22

All: 2323.941+/-308.499 χ^2/NDF: 34.9/40



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

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: 1394.145+/-0.462 χ^2/NDF: 102463.3/5

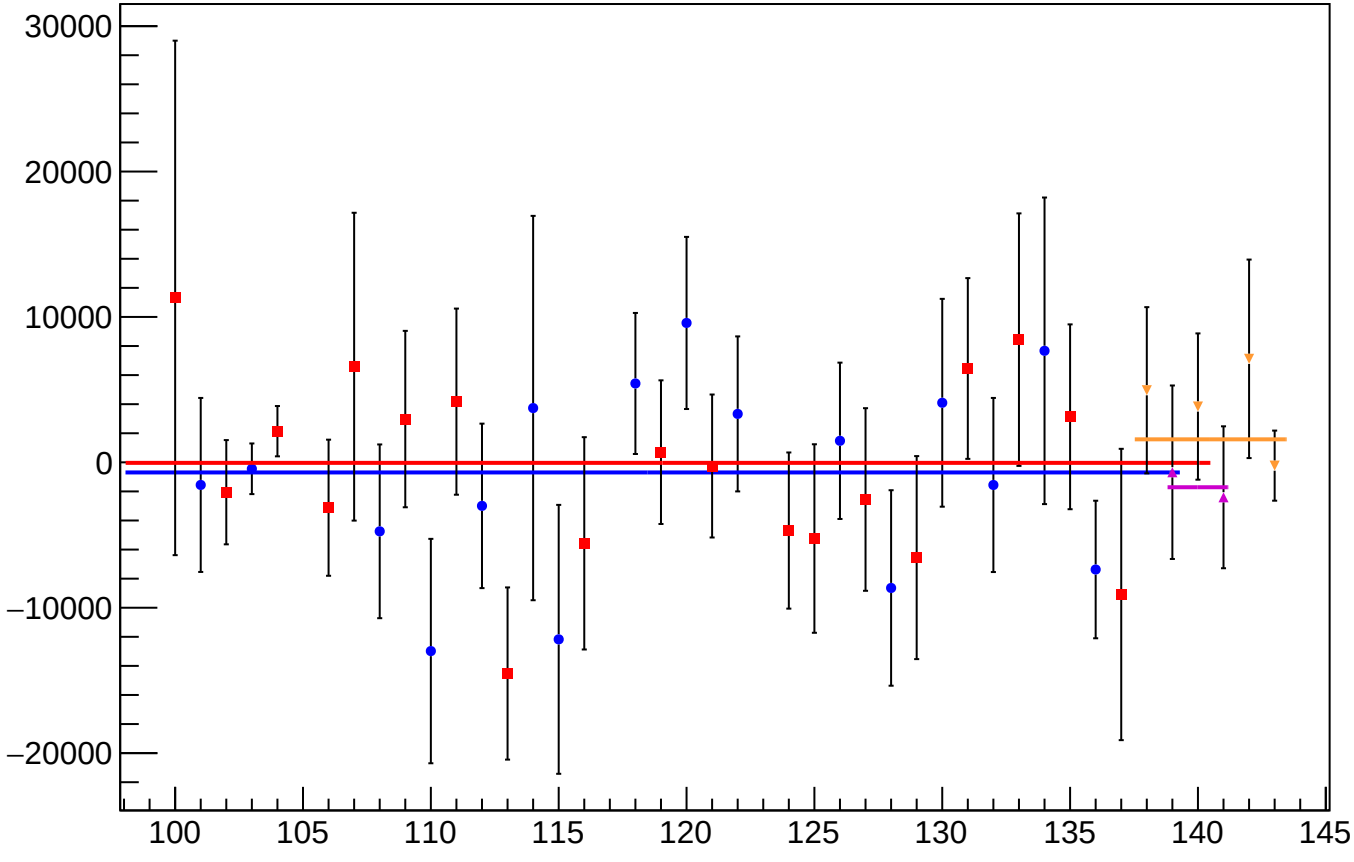
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.156+/-0.315 χ^2/NDF:517977.9/17

Out: 1346.261+/-0.302 χ^2/NDF:445856.0/22

All: 1330.404+/-0.218 χ^2/NDF: 969589.9/40

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: 1581.826+/-1947.477 χ^2/NDF:1.8/3

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1712.696+/-3777.686 χ^2/NDF:0.0/1

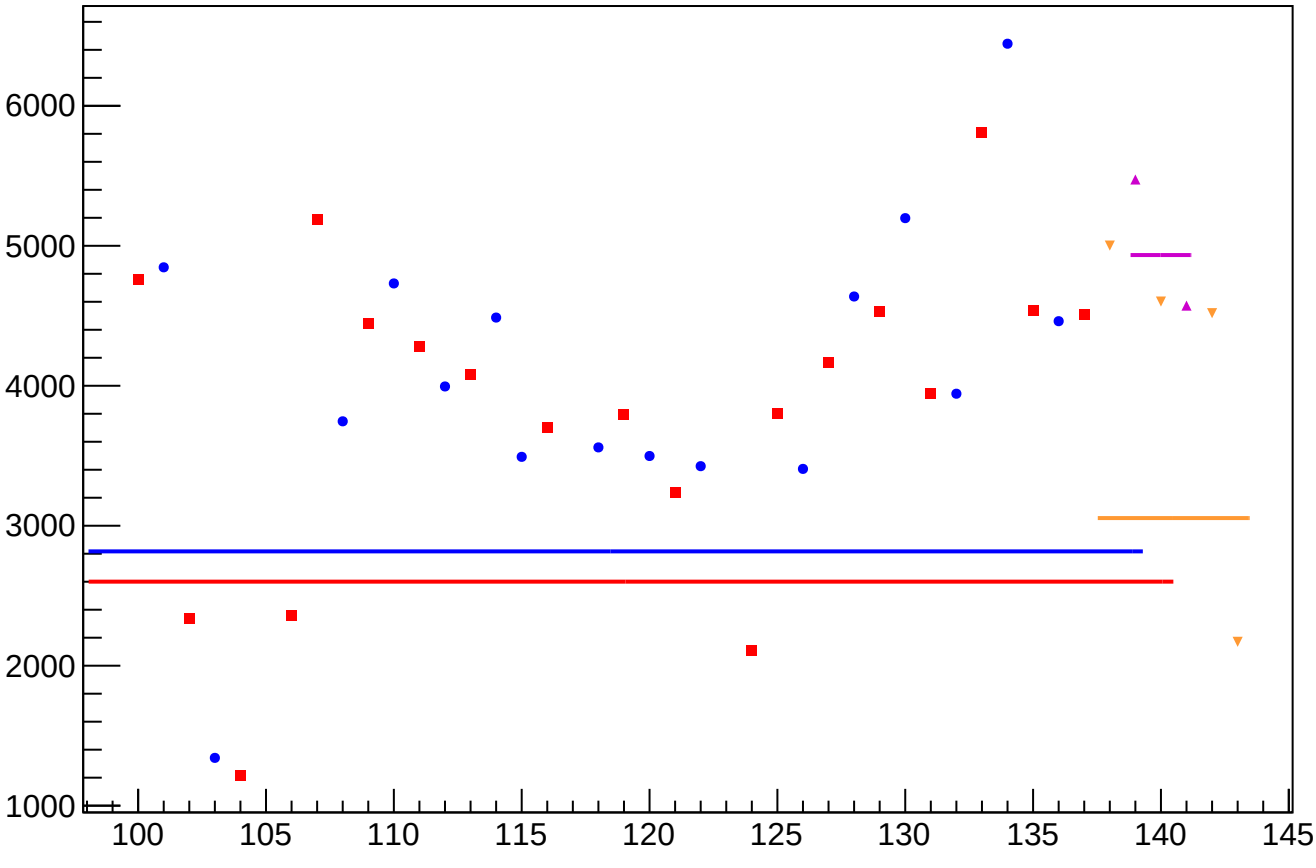
Left: 890.101+/-1730.997 χ^2/NDF: 2.4/5

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -786.036+/-1128.446 χ^2/NDF:14.8/17

Out: 354.251+/-956.592 χ^2/NDF:18.2/22

All: -122.541+/-729.690 χ^2/NDF: 33.6/40



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3054.719+/-1.377 χ^2/NDF:782121.7/3

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4933.925+/-2.671 χ^2/NDF:27331.2/1

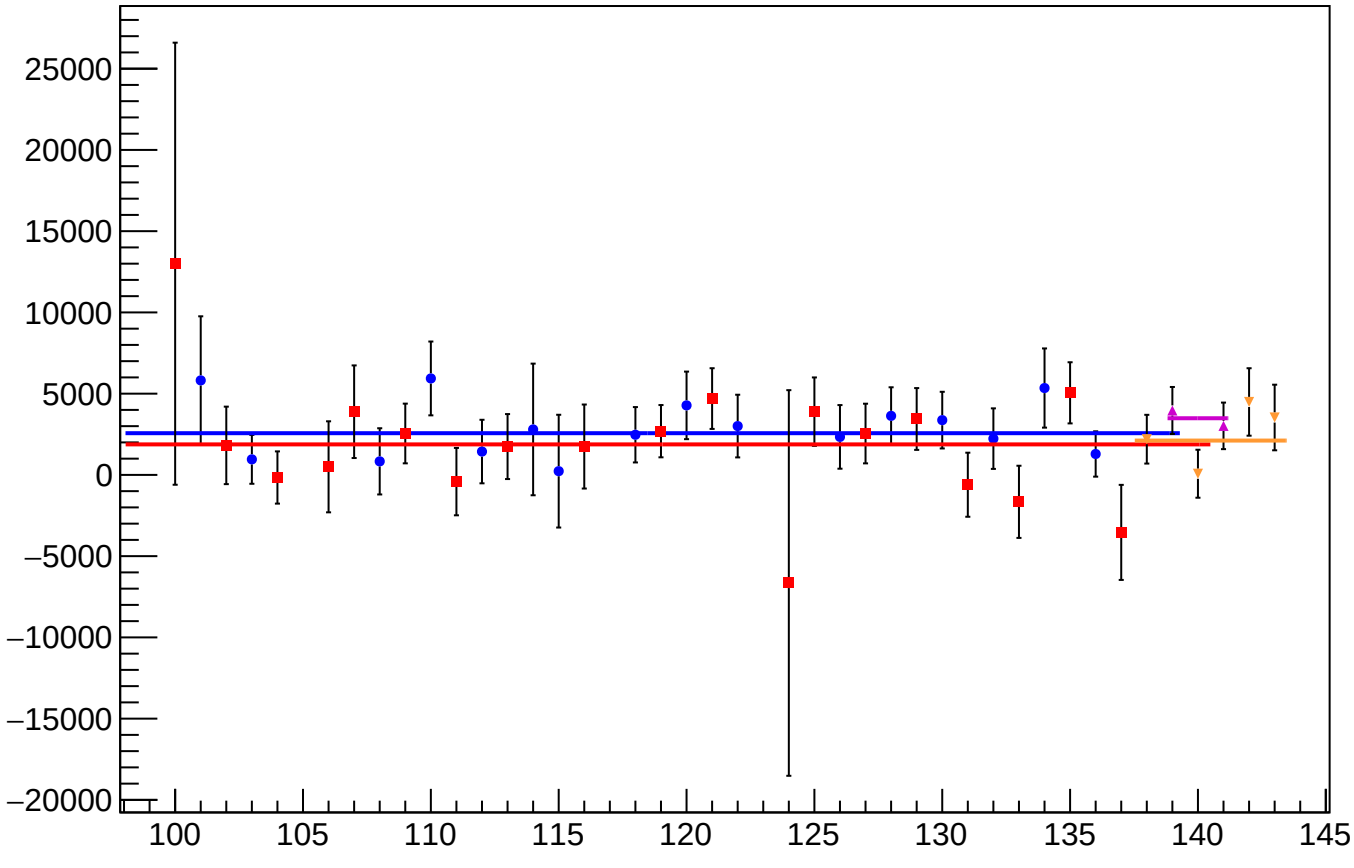
Left: 3449.281+/-1.224 χ^2/NDF: 1200451.3/5

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3005.696+/-0.798 χ^2/NDF:3607020.6/17

Out: 2710.109+/-0.676 χ^2/NDF:3945431.8/22

All: 2833.704+/-0.516 χ^2/NDF: 7632299.8/40



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2113.305+/-850.958 χ^2/NDF:3.7/3

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3486.936+/-1017.829 χ^2/NDF:0.2/1

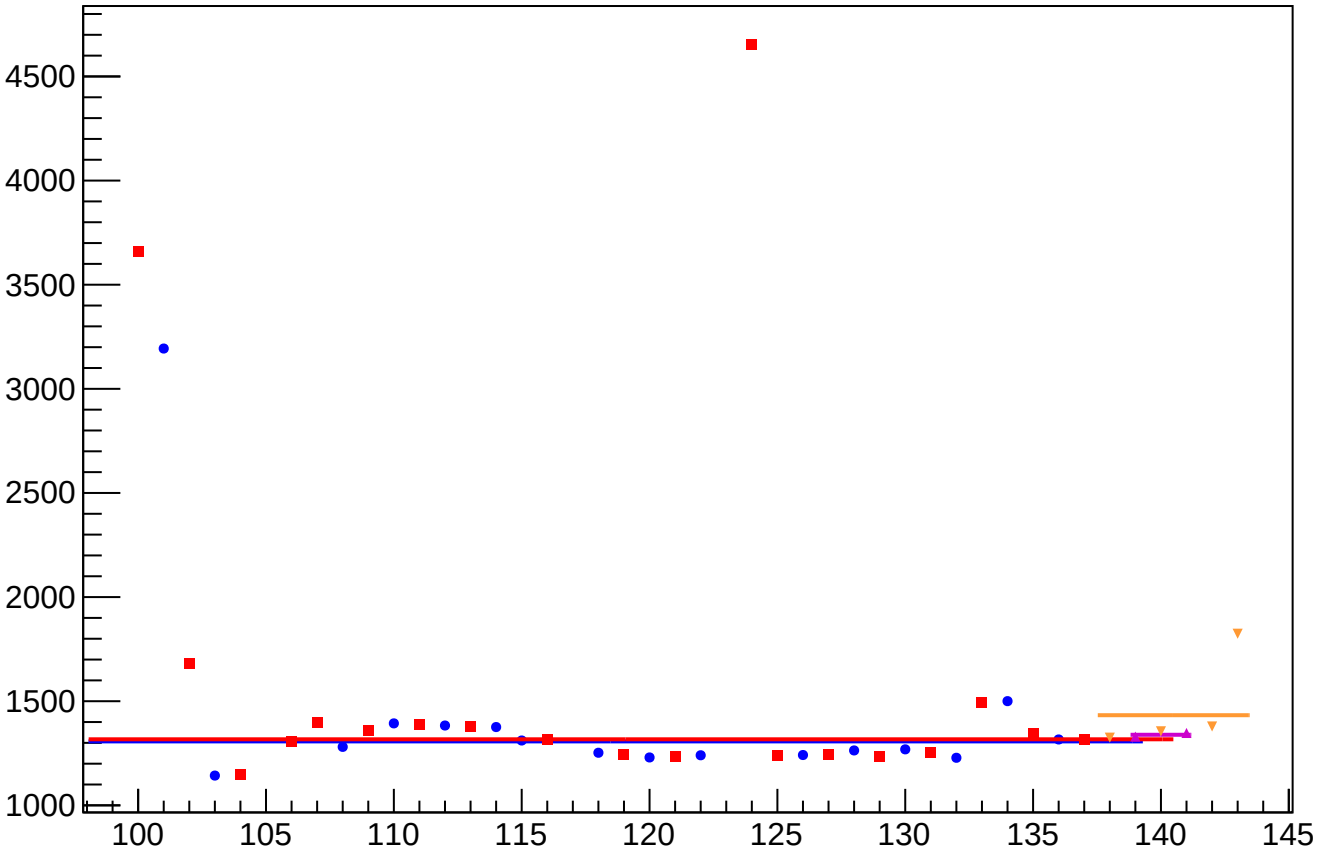
Left: 2678.433+/-652.850 χ^2/NDF: 5.0/5

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2743.317+/-445.414 χ^2/NDF:9.9/17

Out: 1937.271+/-427.694 χ^2/NDF:23.3/22

All: 2323.941+/-308.499 χ^2/NDF: 34.9/40



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1432.787+/-0.602 χ^2/NDF:92289.2/3

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1338.861+/-0.720 χ^2/NDF:149.6/1

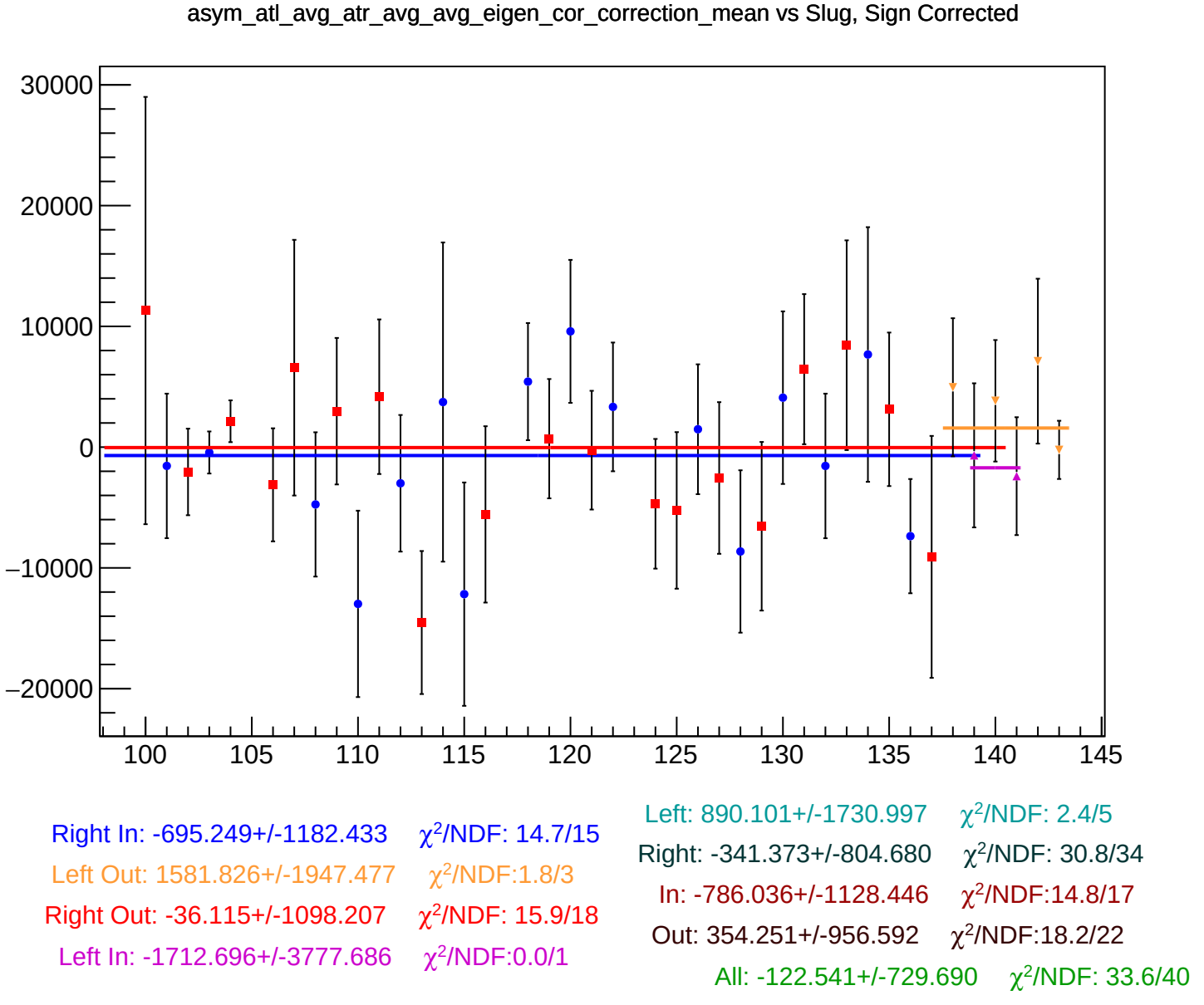
Left: 1394.145+/-0.462 χ^2/NDF: 102463.3/5

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

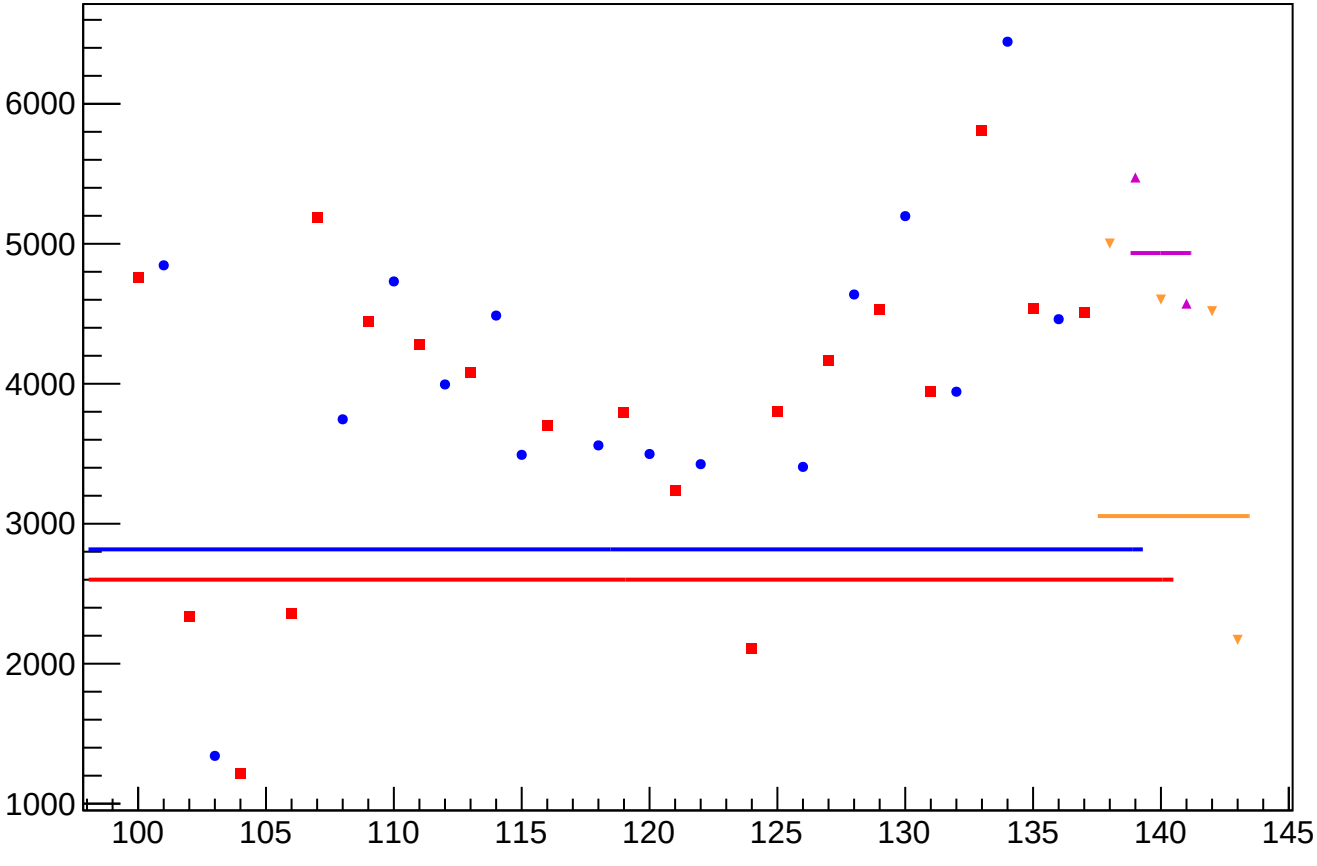
In: 1313.156+/-0.315 χ^2/NDF:517977.9/17

Out: 1346.261+/-0.302 χ^2/NDF:445856.0/22

All: 1330.404+/-0.218 χ^2/NDF: 969589.9/40


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 1581.826+/-1947.477 χ²/NDF:1.8/3
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -1712.696+/-3777.686 χ²/NDF:0.0/1
Left: 890.101+/-1730.997 χ²/NDF: 2.4/5
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: -786.036+/-1128.446 χ²/NDF:14.8/17
Out: 354.251+/-956.592 χ²/NDF:18.2/22
All: -122.541+/-729.690 χ²/NDF: 33.6/40

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3054.719+/-1.377 χ^2/NDF:782121.7/3

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4933.925+/-2.671 χ^2/NDF:27331.2/1

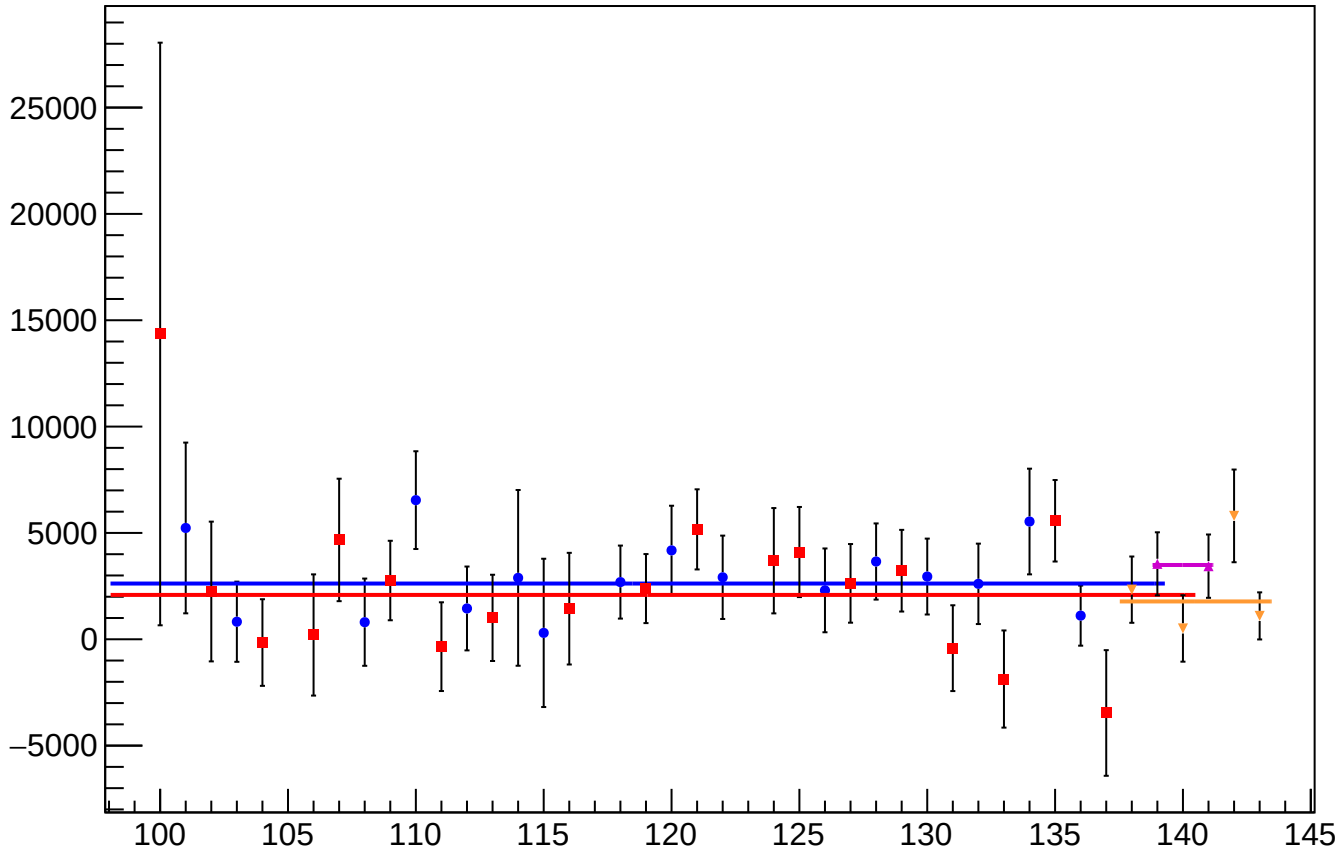
Left: 3449.281+/-1.224 χ^2/NDF: 1200451.3/5

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3005.696+/-0.798 χ^2/NDF:3607020.6/17

Out: 2710.109+/-0.676 χ^2/NDF:3945431.8/22

All: 2833.704+/-0.516 χ^2/NDF: 7632299.8/40



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1778.833+/-735.632 χ^2/NDF:4.6/3

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 3492.907+/-1050.422 χ^2/NDF:0.0/1

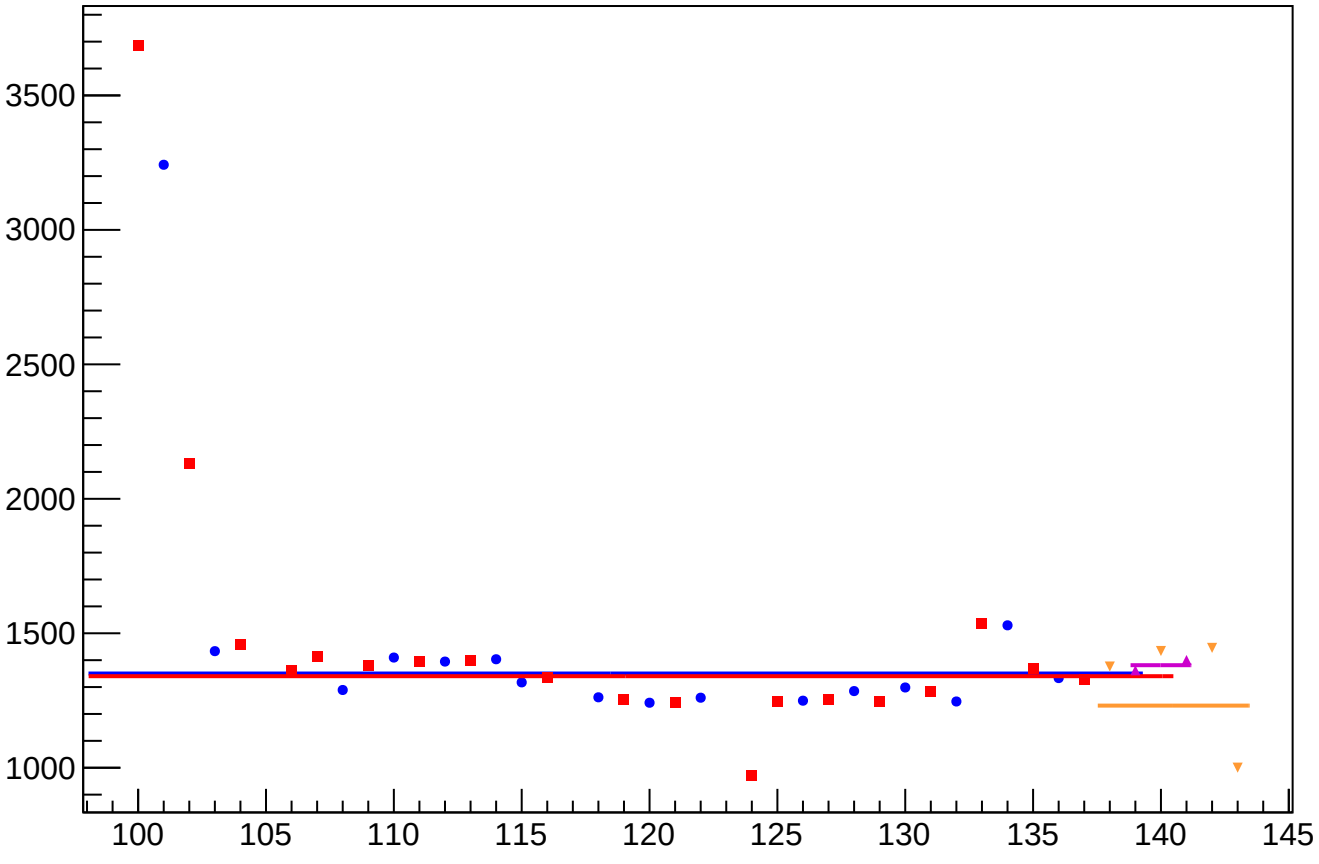
Left: 2342.868+/-602.562 χ^2/NDF: 6.4/5

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2787.747+/-459.883 χ^2/NDF:9.9/17

Out: 1987.377+/-416.267 χ^2/NDF:25.6/22

All: 2347.817+/-308.616 χ^2/NDF: 37.2/40



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1231.050+/-0.520 χ^2/NDF:157453.6/3

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1381.333+/-0.743 χ^2/NDF:664.4/1

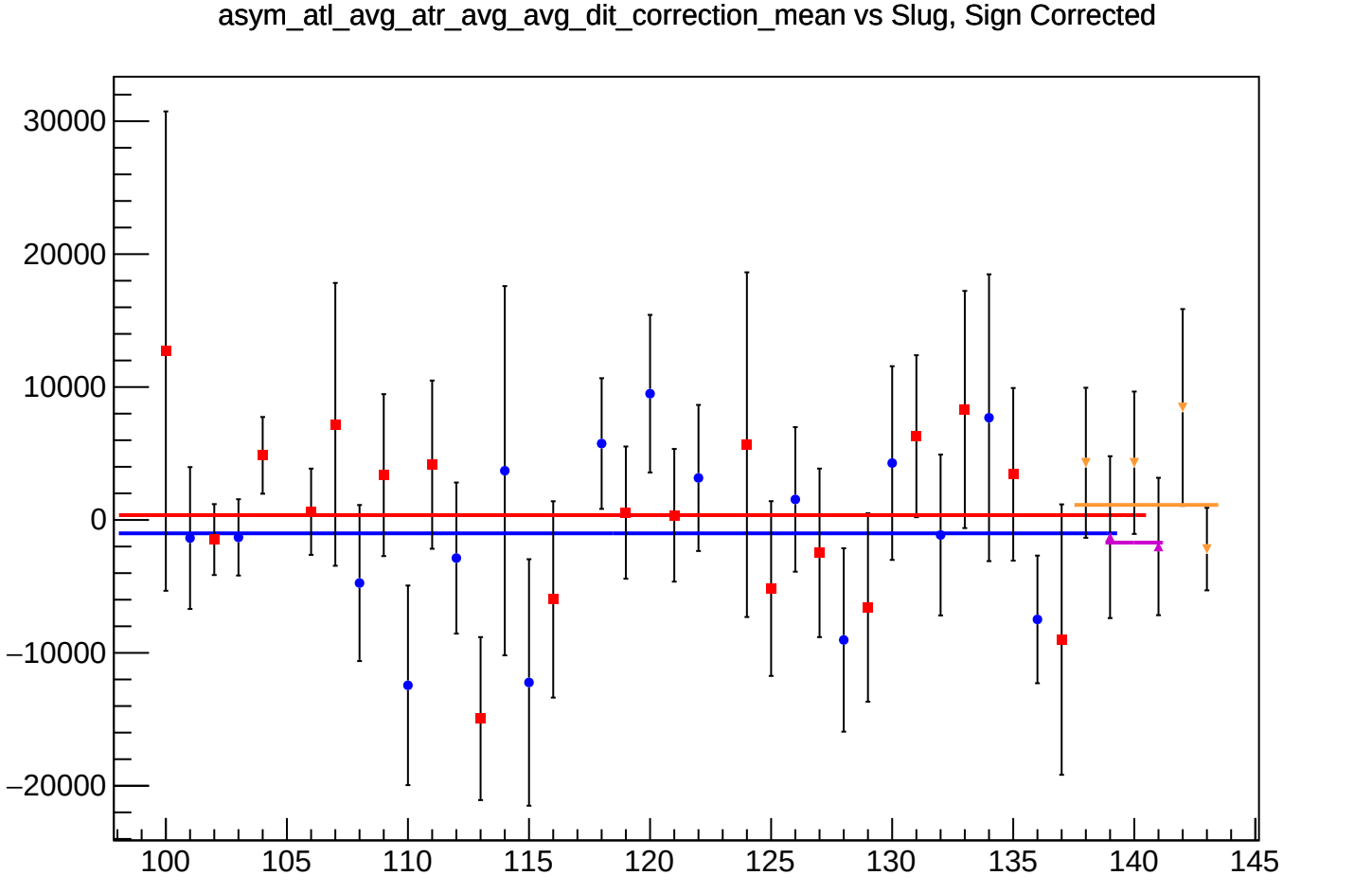
Left: 1280.502+/-0.426 χ^2/NDF: 185584.6/5

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1356.304+/-0.325 χ^2/NDF:496120.2/17

Out: 1305.435+/-0.294 χ^2/NDF:459706.7/22

All: 1328.333+/-0.218 χ^2/NDF: 969282.5/40



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 1132.645+/-2305.861 χ^2/NDF:2.8/3

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: 409.621+/-1990.175 χ^2/NDF: 3.2/5

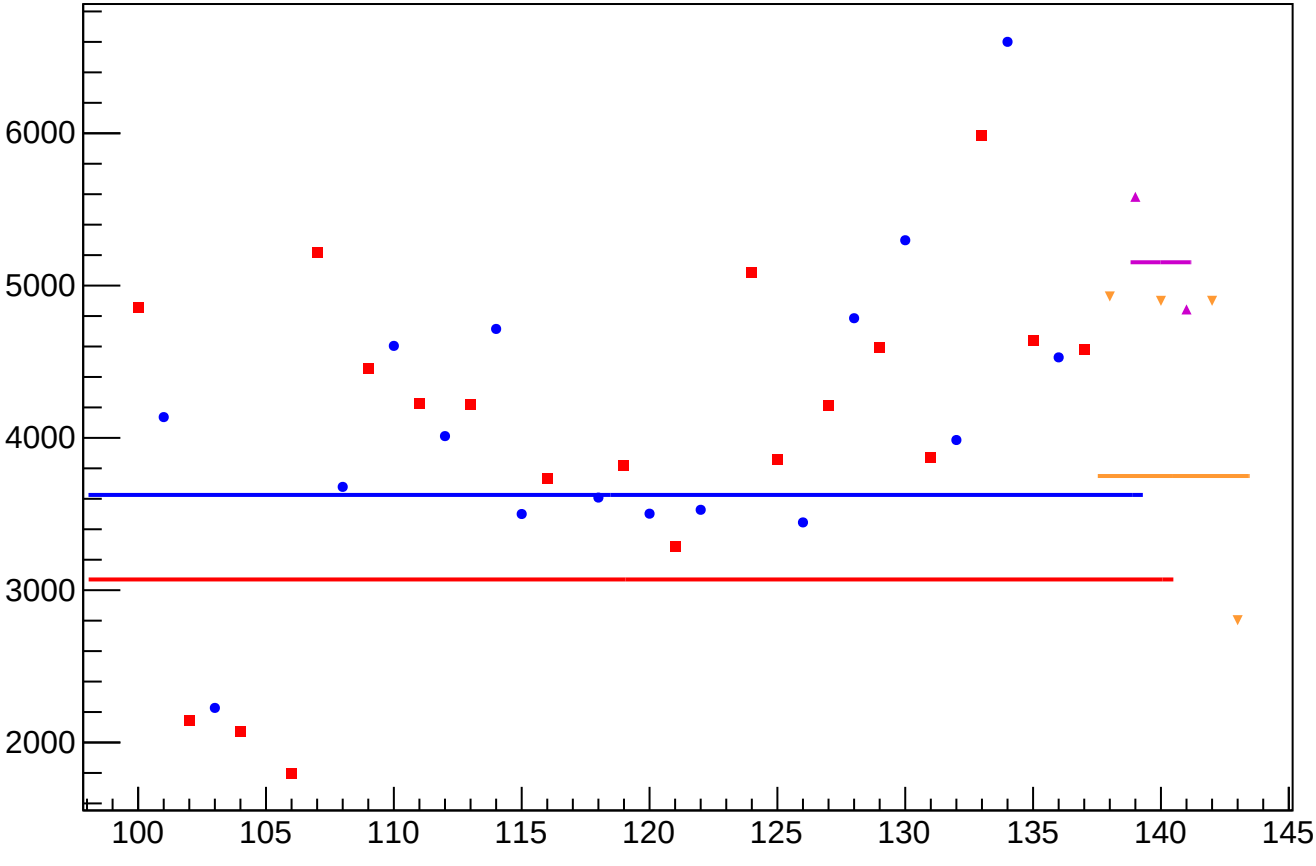
Right: -215.533+/-913.430 χ^2/NDF: 31.4/34

In: -1085.110+/-1322.945 χ^2/NDF:14.6/17

Out: 528.732+/-1066.223 χ^2/NDF:19.1/22

All: -106.757+/-830.167 χ^2/NDF: 34.6/40

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: 3749.640+/-1.630 χ^2/NDF:413474.0/3

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5153.116+/-2.786 χ^2/NDF:17142.5/1

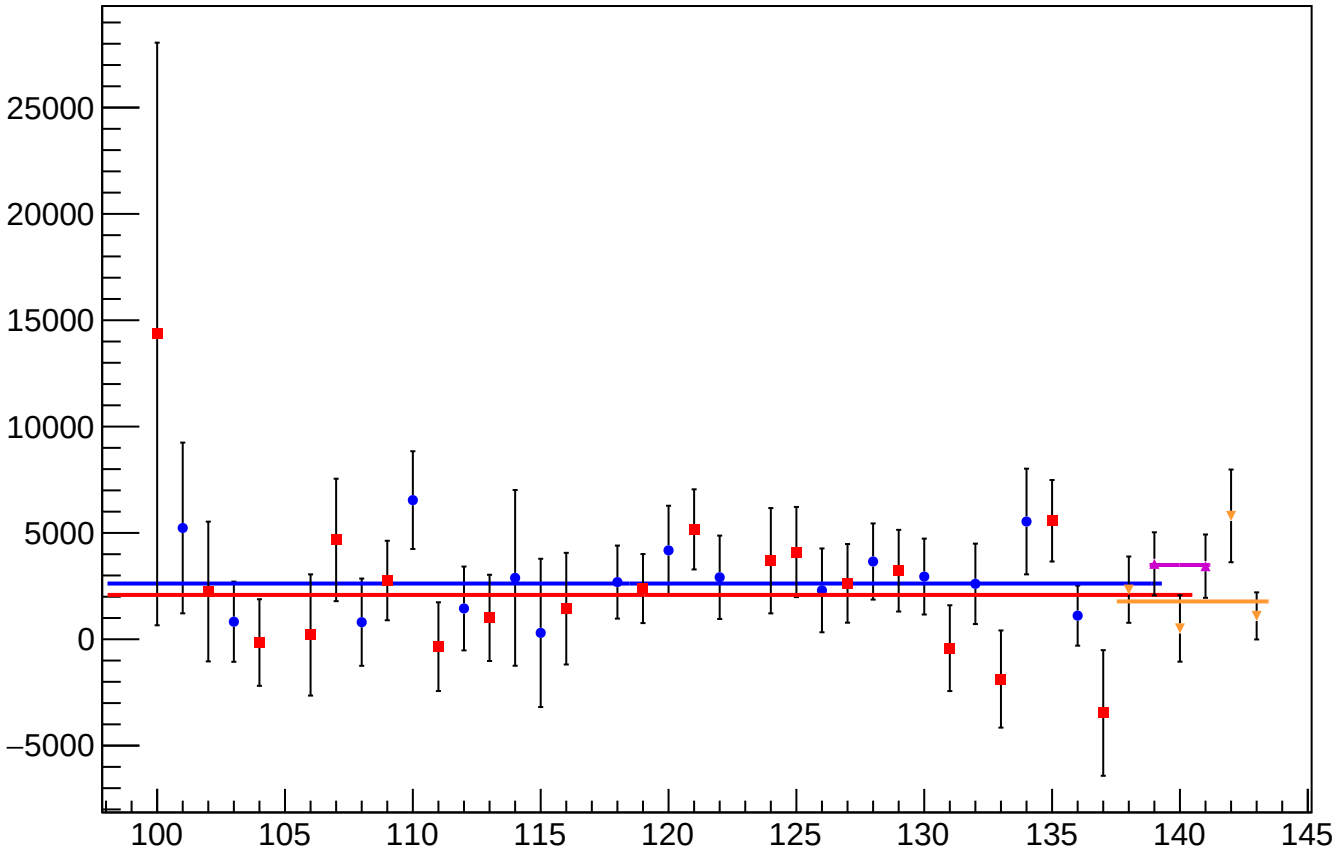
Left: 4107.622+/-1.407 χ^2/NDF: 619602.6/5

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3797.686+/-0.935 χ^2/NDF:1228728.5/17

Out: 3215.662+/-0.754 χ^2/NDF:2388554.8/22

All: 3444.848+/-0.587 χ^2/NDF: 3851956.0/40



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1778.834+/-735.632 χ^2/NDF:4.6/3

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 3492.892+/-1050.423 χ^2/NDF:0.0/1

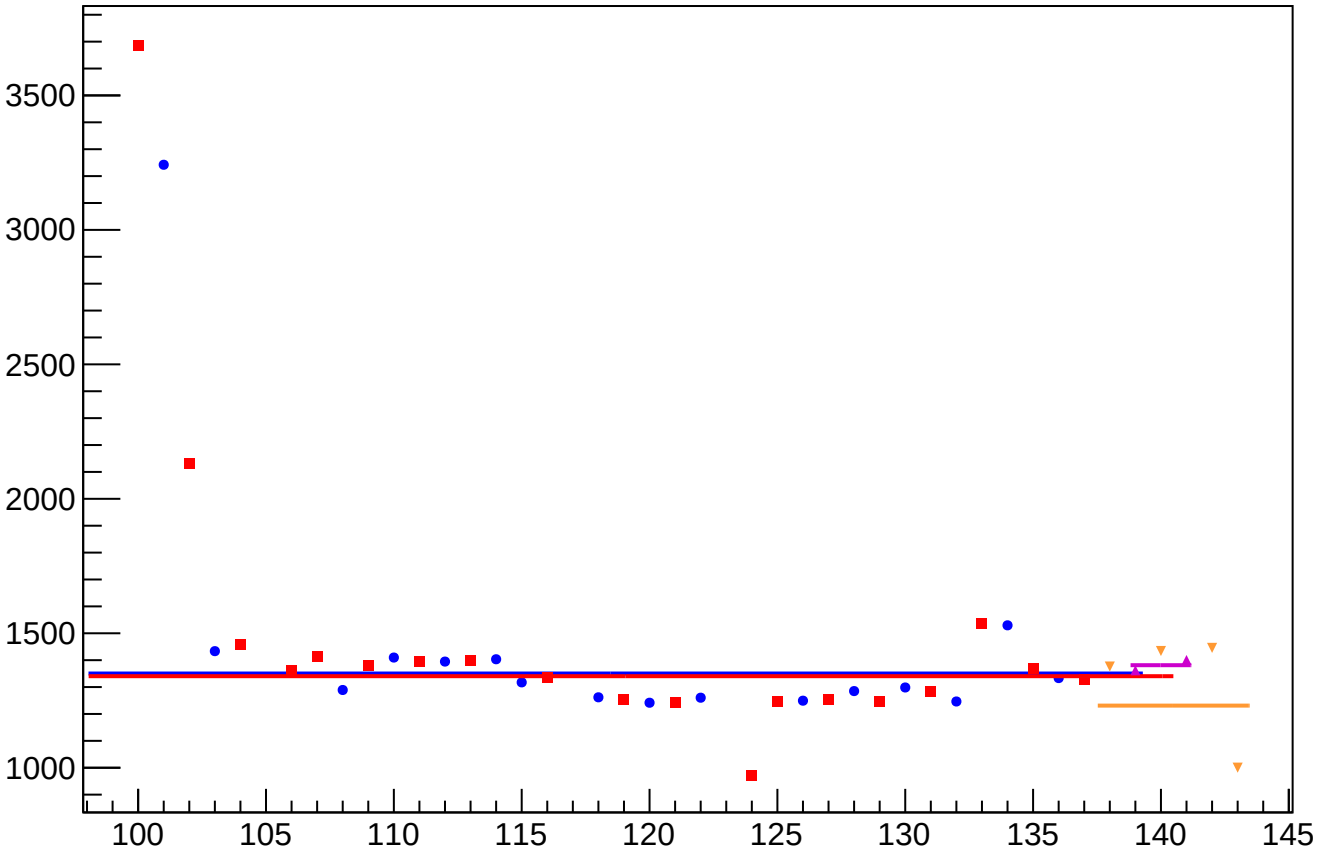
Left: 2342.864+/-602.563 χ^2/NDF: 6.4/5

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2787.744+/-459.883 χ^2/NDF:9.9/17

Out: 1987.379+/-416.267 χ^2/NDF:25.6/22

All: 2347.817+/-308.616 χ^2/NDF: 37.2/40



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1231.051+/-0.520 χ^2/NDF:157453.4/3

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: 1280.503+/-0.426 χ^2/NDF: 185584.3/5

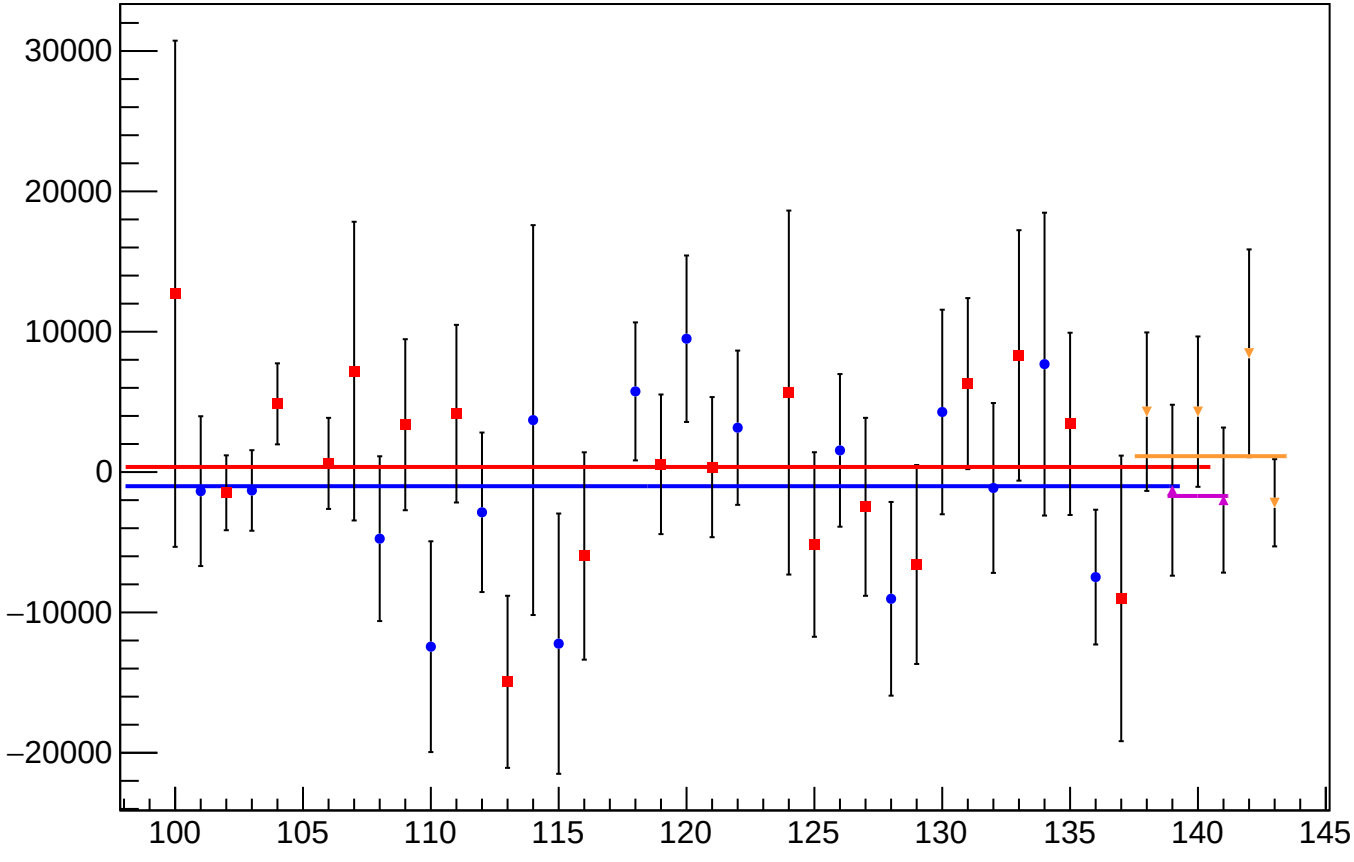
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1356.304+/-0.325 χ^2/NDF:496120.4/17

Out: 1305.435+/-0.294 χ^2/NDF:459704.8/22

All: 1328.333+/-0.218 χ^2/NDF: 969280.6/40

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: 1132.646+/-2305.865 χ^2/NDF:2.8/3

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: 409.619+/-1990.179 χ^2/NDF: 3.2/5

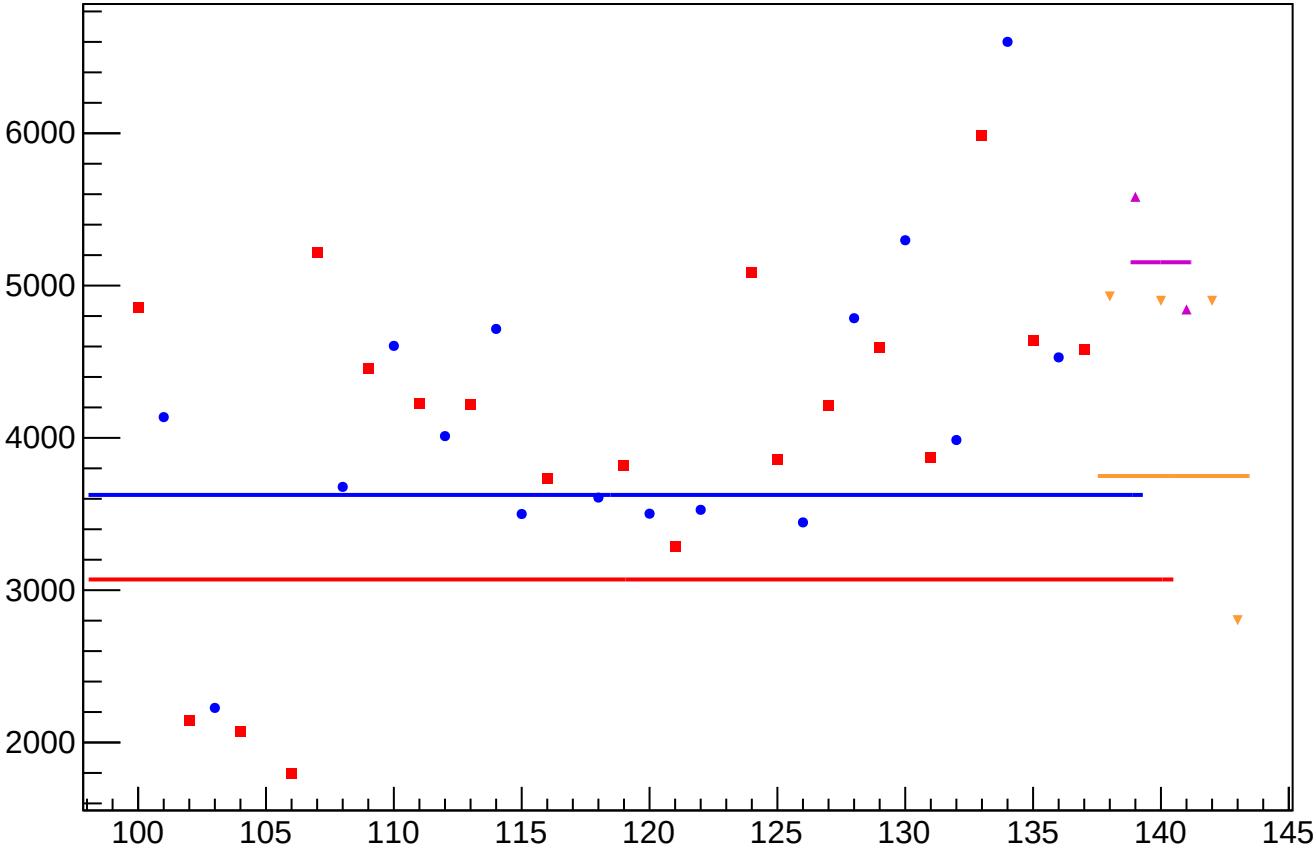
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -1085.103+/-1322.943 χ^2/NDF:14.6/17

Out: 528.733+/-1066.221 χ^2/NDF:19.1/22

All: -106.754+/-830.165 χ^2/NDF: 34.6/40

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: 3749.647+/-1.630 χ^2/NDF:413473.6/3

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5153.123+/-2.786 χ^2/NDF:17143.0/1

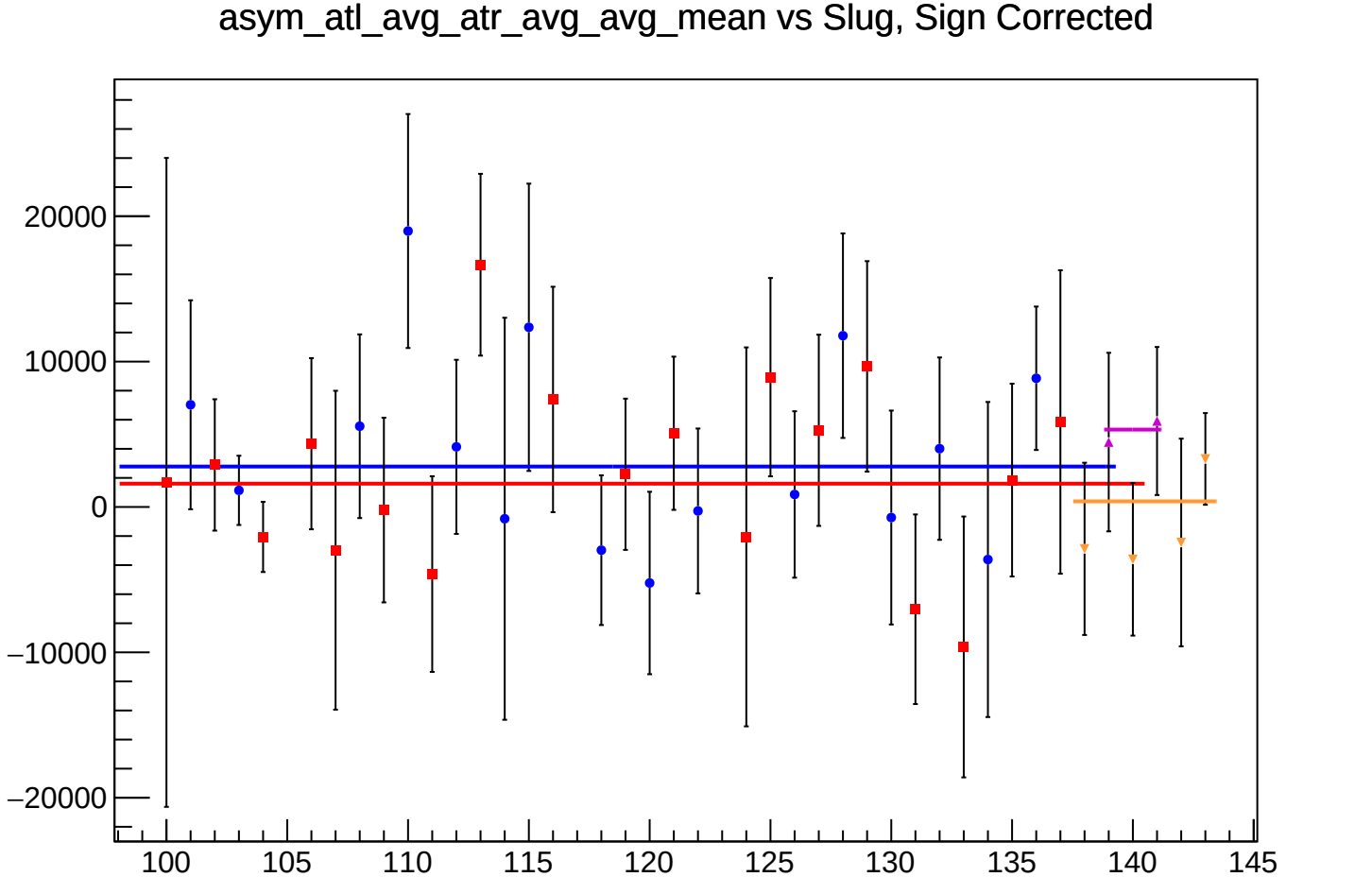
Left: 4107.629+/-1.407 χ^2/NDF: 619602.2/5

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3797.678+/-0.935 χ^2/NDF:1228736.2/17

Out: 3215.656+/-0.754 χ^2/NDF:2388563.2/22

All: 3444.841+/-0.587 χ^2/NDF: 3851971.4/40



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 385.851+/-2325.674 χ^2/NDF:1.9/3

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 5322.907+/-3920.039 χ^2/NDF:0.0/1

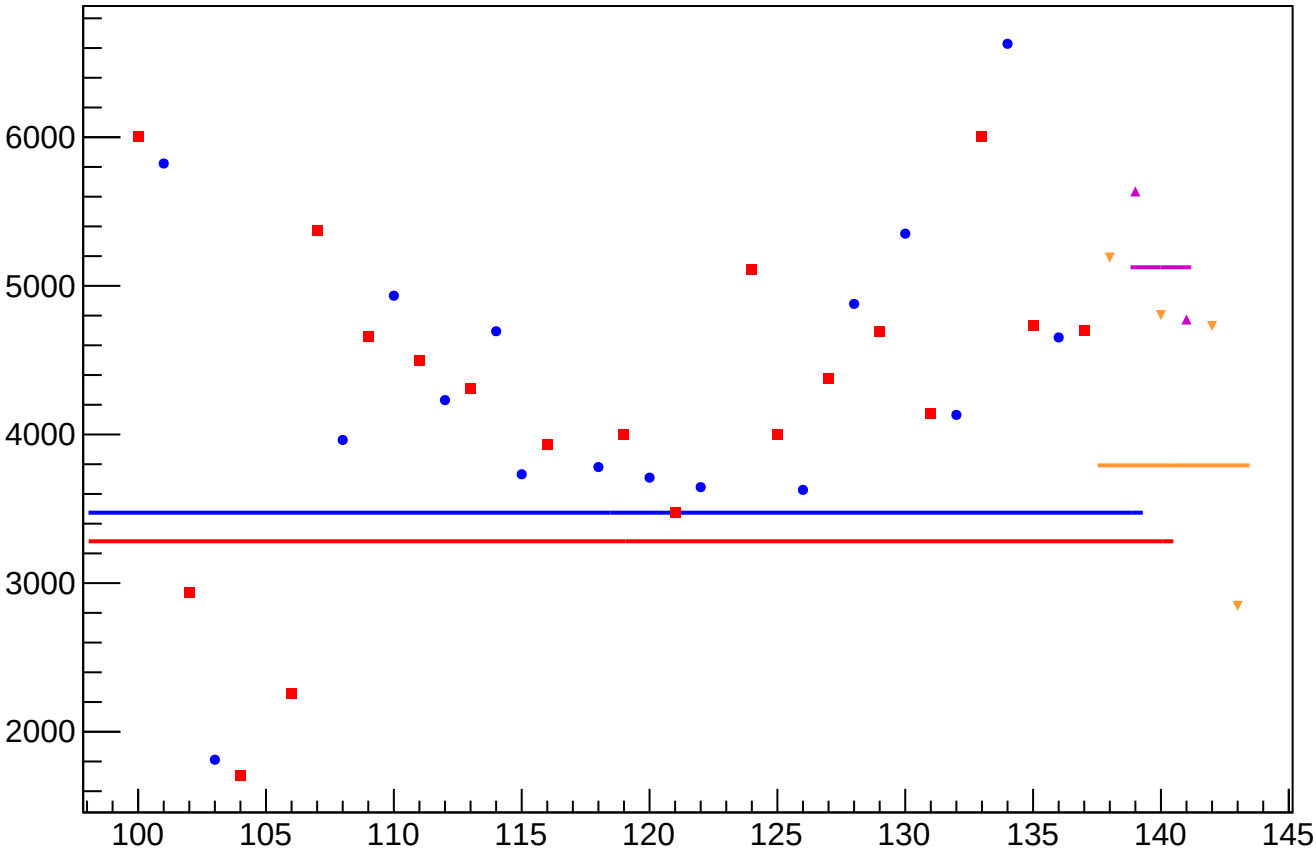
Left: 1671.182+/-2000.156 χ^2/NDF: 3.1/5

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 3064.593+/-1309.609 χ^2/NDF:13.6/17

Out: 1300.373+/-1159.122 χ^2/NDF:18.9/22

All: 2075.340+/-867.974 χ^2/NDF: 33.5/40



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3791.971+/-1.645 χ^2/NDF:399684.5/3

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: 4139.004+/-1.414 χ^2/NDF: 594058.8/5

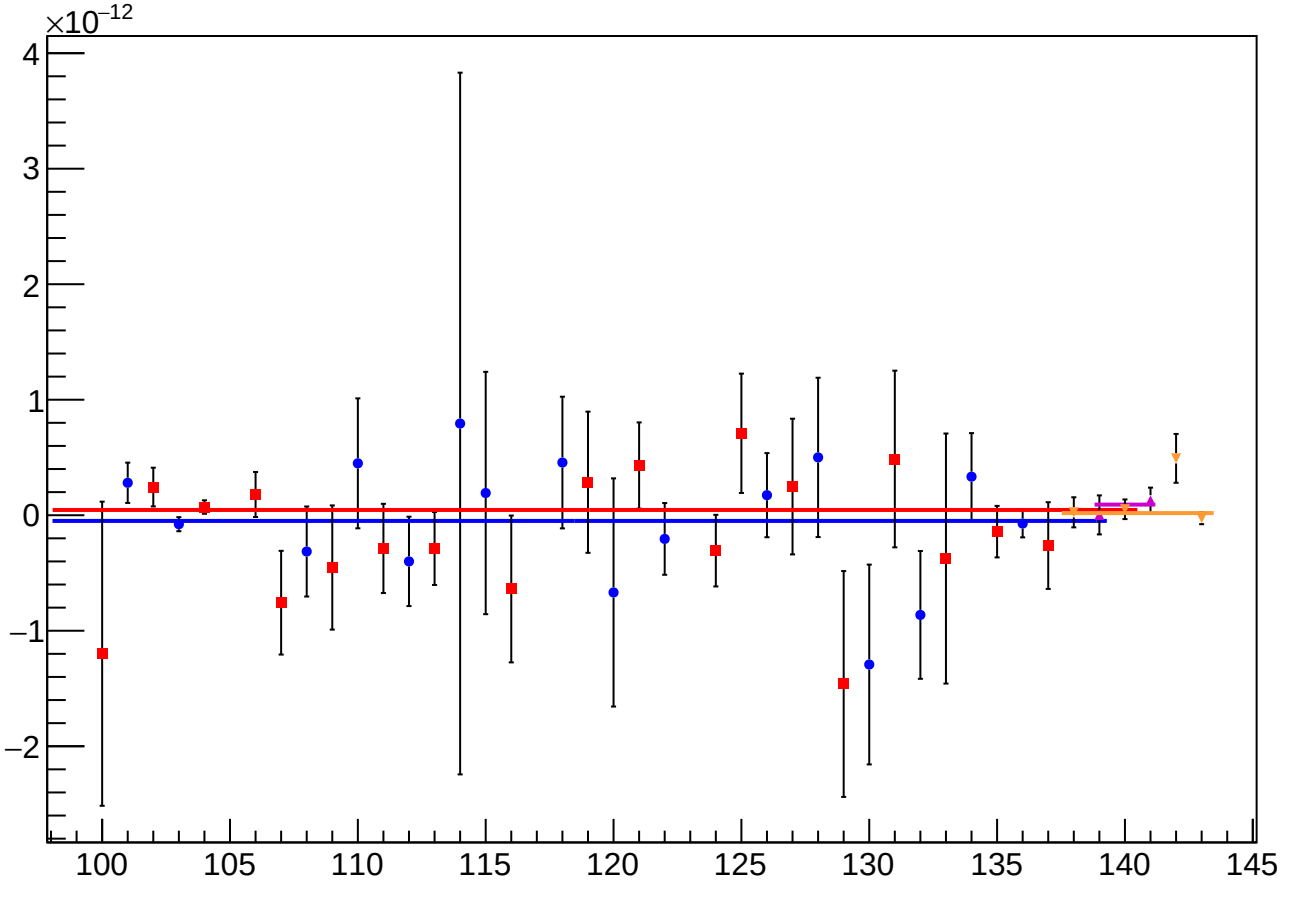
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3658.169+/-0.926 χ^2/NDF:2182479.6/17

Out: 3405.682+/-0.811 χ^2/NDF:2348096.3/22

All: 3515.303+/-0.610 χ^2/NDF: 4572640.8/40

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:5.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

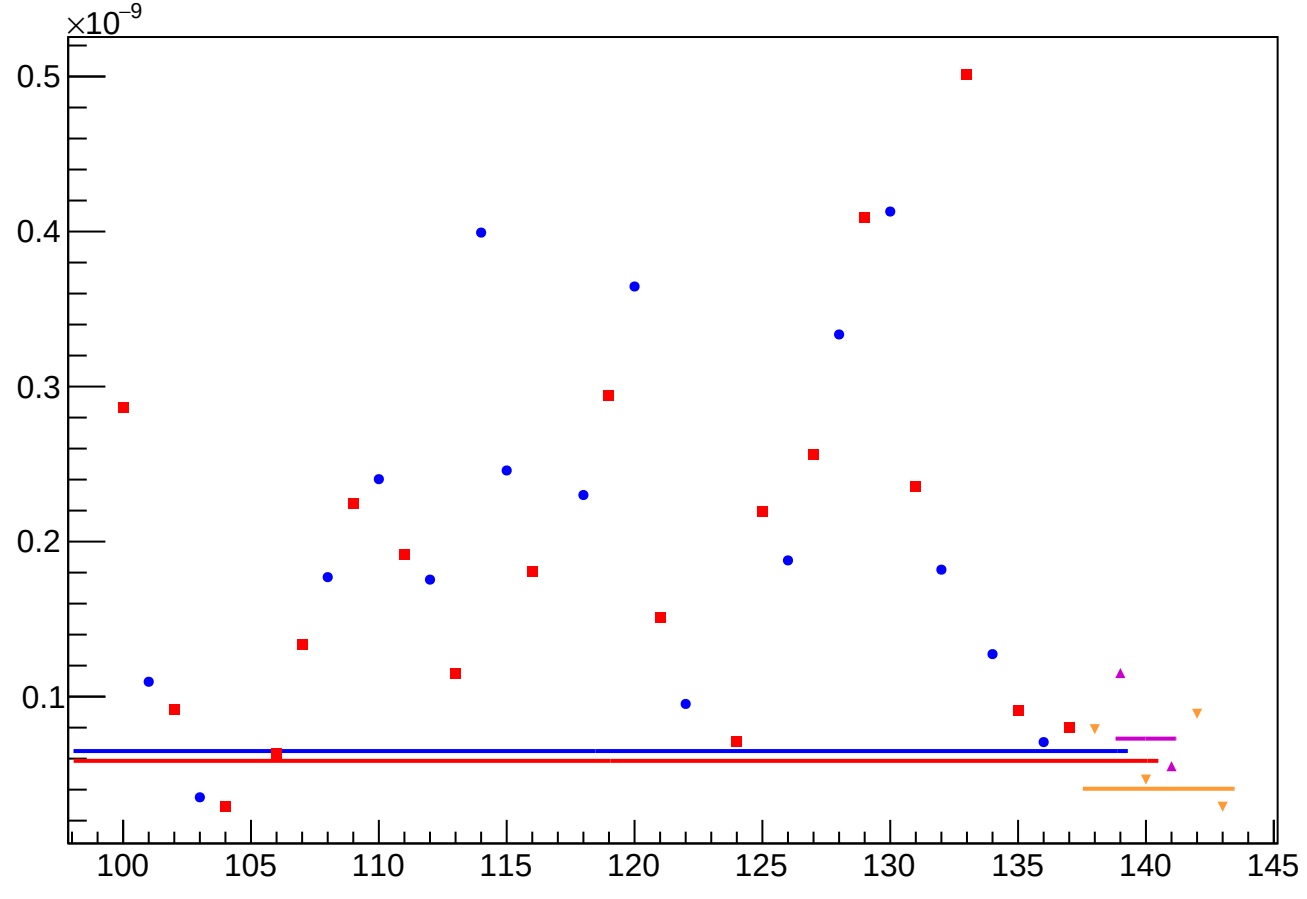
Left: 0.000+/-0.000 χ^2/NDF: 6.8/5

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:24.6/22

All: 0.000+/-0.000 χ^2/NDF: 41.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:384371.4/3

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: 768295.1/5

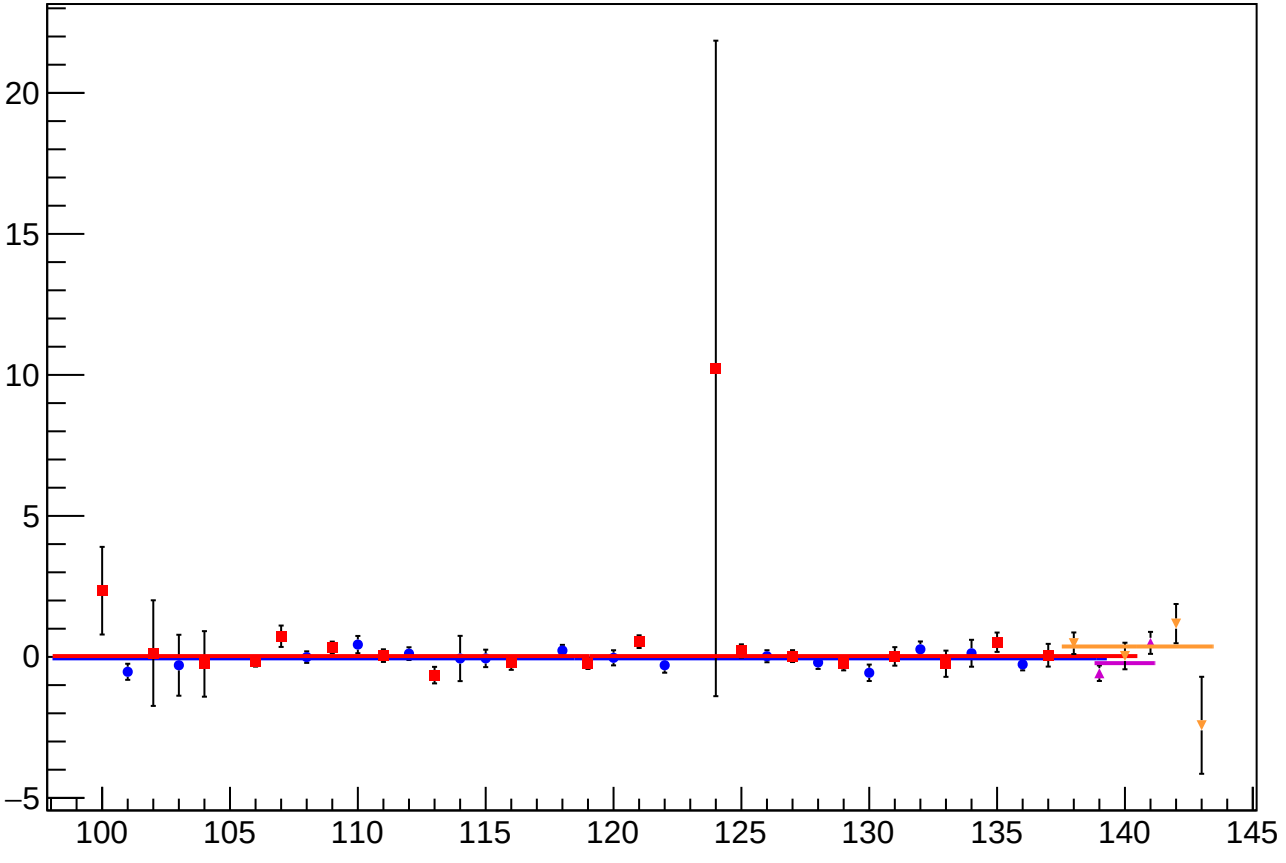
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2783115.6/17

Out: 0.000+/-0.000 χ^2/NDF:3401523.6/22

All: 0.000+/-0.000 χ^2/NDF: 6420992.3/40

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: 0.369+/-0.270 χ^2/NDF:4.6/3

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: 0.021+/-0.173 χ^2/NDF: 12.5/5

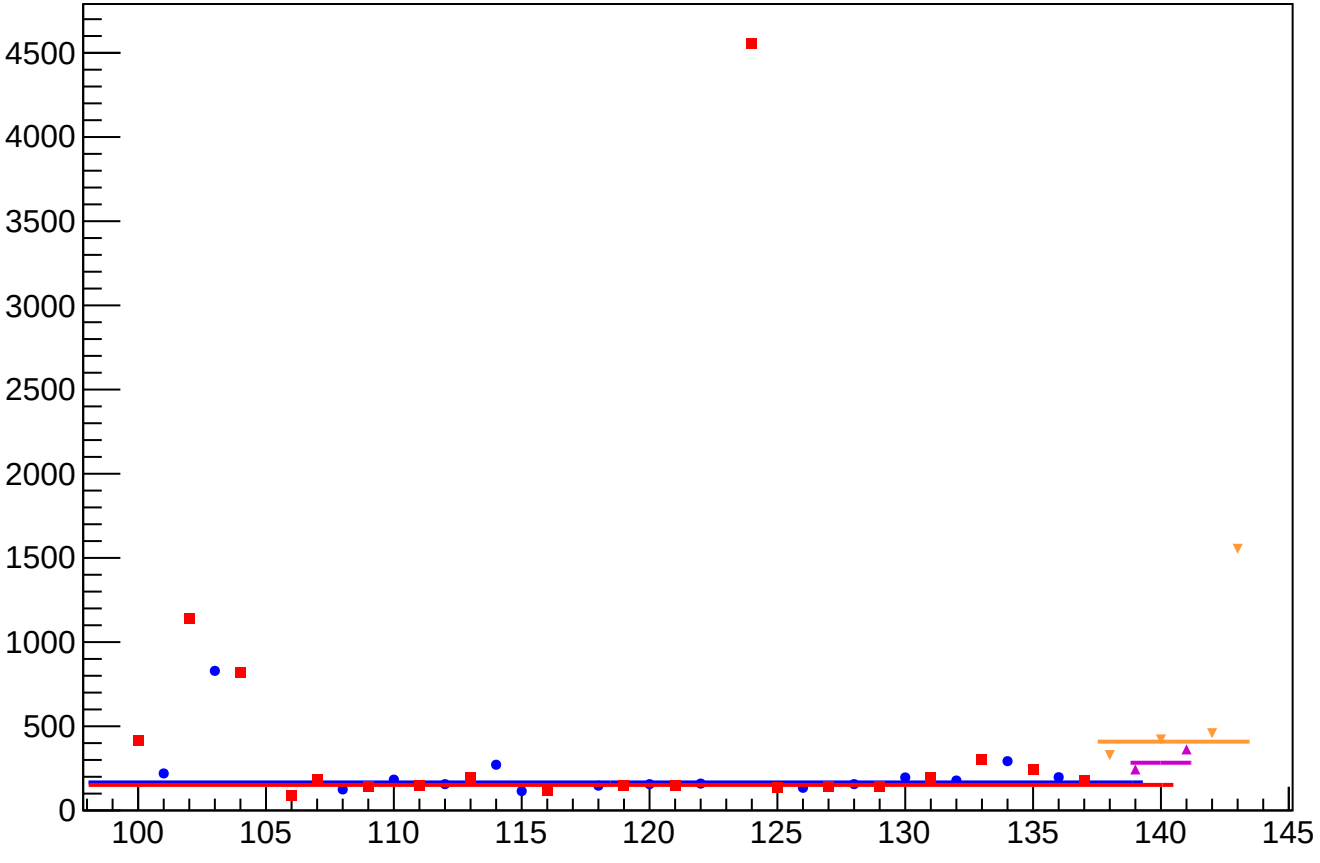
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.007+/-0.045 χ^2/NDF: 55.7/40

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: 408.703+/-0.191 χ^2/NDF:986626.5/3

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: 334.767+/-0.122 χ^2/NDF: 1365941.4/5

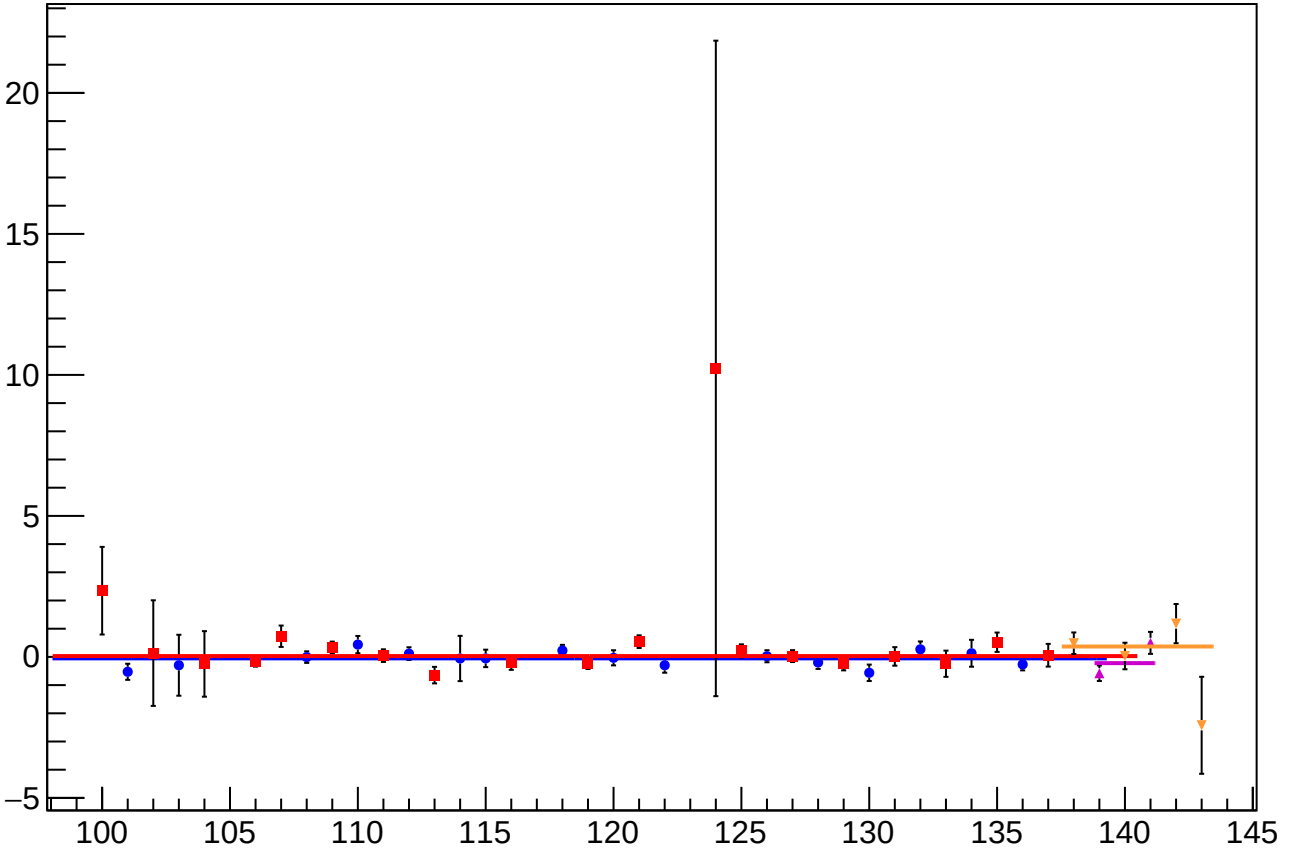
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 175.835+/-0.045 χ^2/NDF:1905141.0/17

Out: 165.503+/-0.044 χ^2/NDF:5021124.1/22

All: 170.532+/-0.032 χ^2/NDF: 6953048.8/40

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: 0.369+/-0.270 χ^2/NDF:4.6/3

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: 0.021+/-0.173 χ^2/NDF: 12.5/5

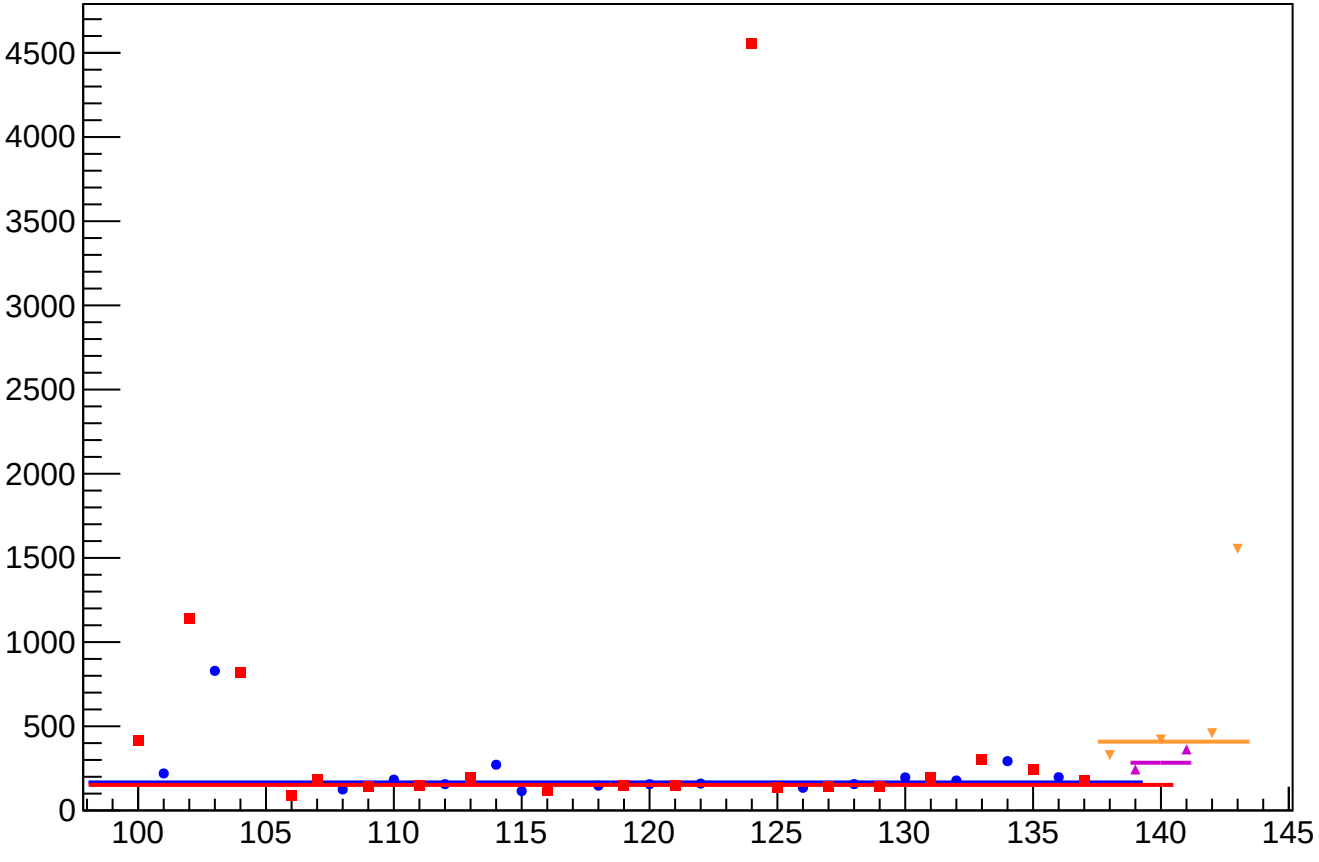
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.007+/-0.045 χ^2/NDF: 55.7/40

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: 408.703+/-0.191 χ^2/NDF:986626.5/3

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 283.374+/-0.159 χ^2/NDF:124396.6/1

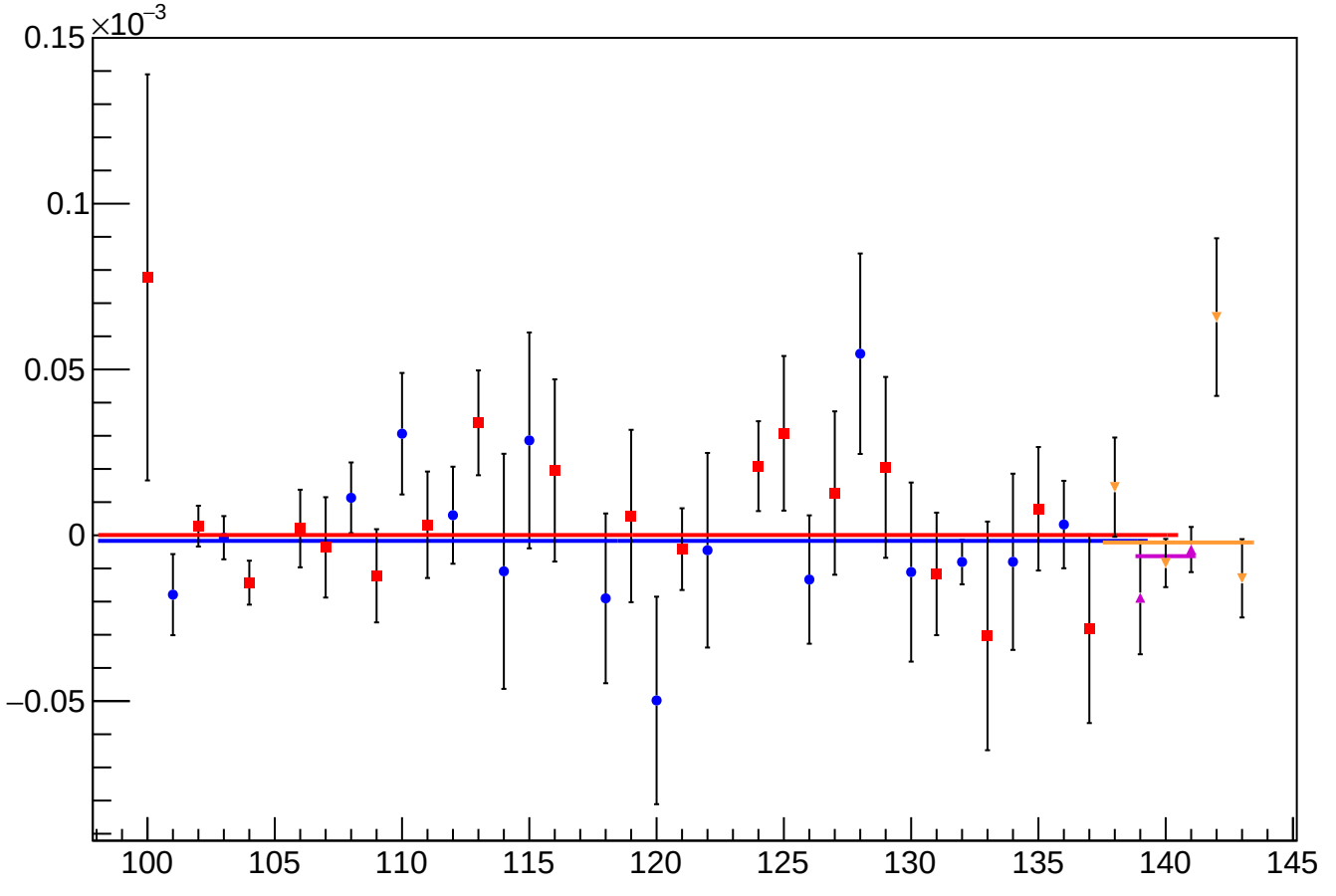
Left: 334.767+/-0.122 χ^2/NDF: 1365941.4/5

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 175.835+/-0.045 χ^2/NDF:1905141.0/17

Out: 165.503+/-0.044 χ^2/NDF:5021124.1/22

All: 170.532+/-0.032 χ^2/NDF: 6953048.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

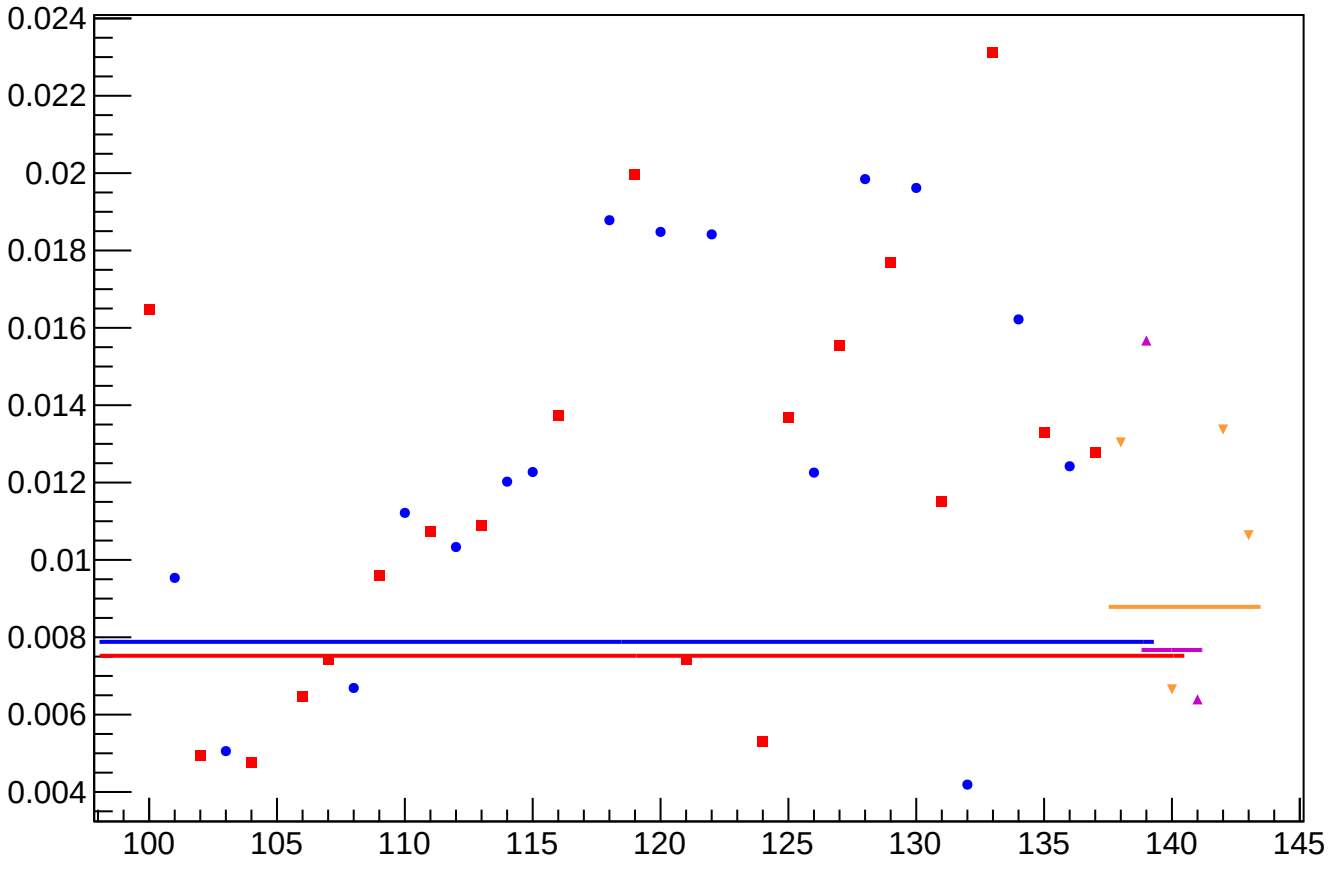
Left: -0.000+/-0.000 χ^2/NDF: 11.8/5

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:31.0/22

All: -0.000+/-0.000 χ^2/NDF: 47.8/40



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:457137.6/3

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: 1002231.3/5

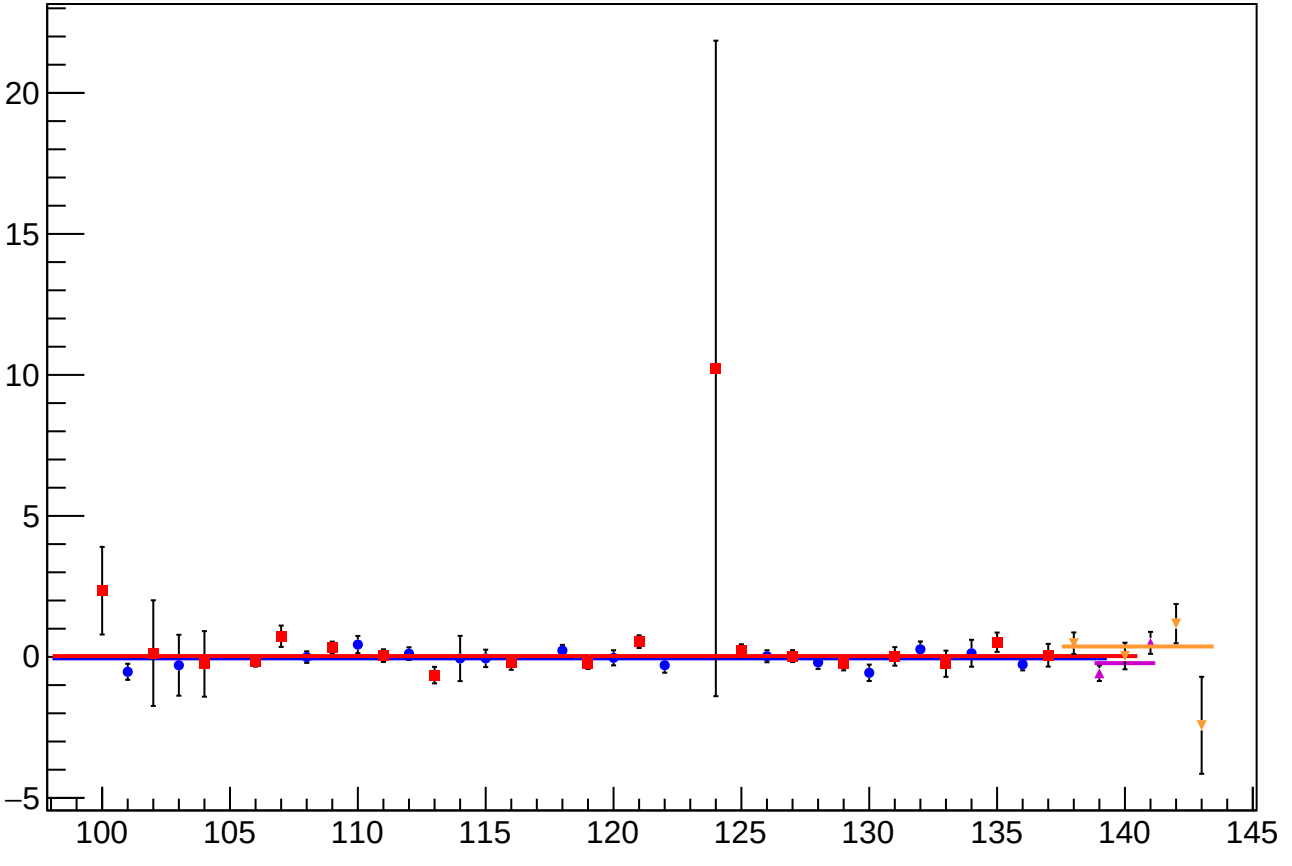
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:3813515.9/17

Out: 0.008+/-0.000 χ^2/NDF:3510893.8/22

All: 0.008+/-0.000 χ^2/NDF: 7324417.0/40

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: 0.369+/-0.270 χ^2/NDF:4.6/3

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: 0.021+/-0.173 χ^2/NDF: 12.5/5

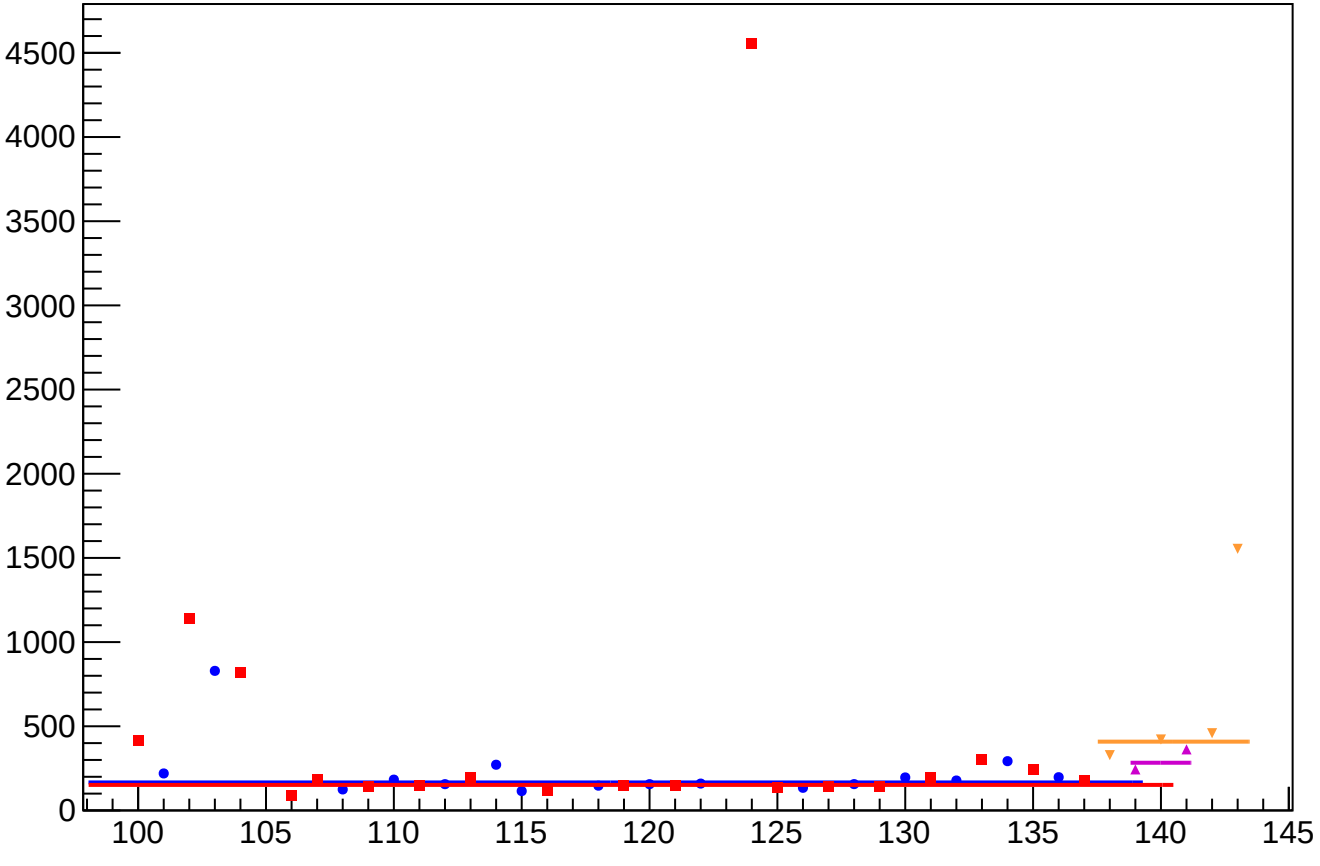
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.007+/-0.045 χ^2/NDF: 55.7/40

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: 408.707+/-0.191 χ^2/NDF:986621.2/3

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: 334.772+/-0.122 χ^2/NDF: 1365911.9/5

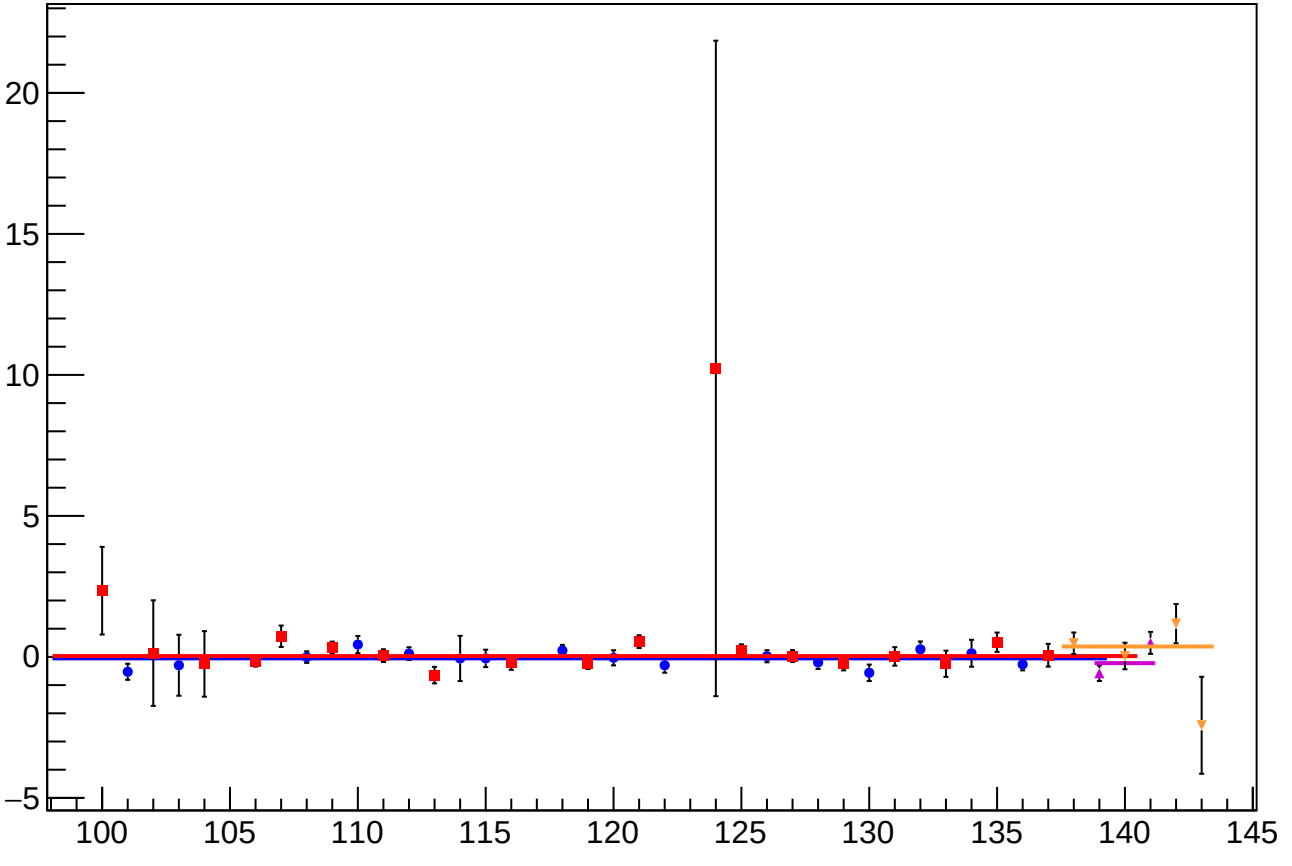
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 175.835+/-0.045 χ^2/NDF:1905162.2/17

Out: 165.501+/-0.044 χ^2/NDF:5021164.0/22

All: 170.531+/-0.032 χ^2/NDF: 6953114.5/40

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: 0.369+/-0.270 χ^2/NDF:4.6/3

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: 0.021+/-0.173 χ^2/NDF: 12.5/5

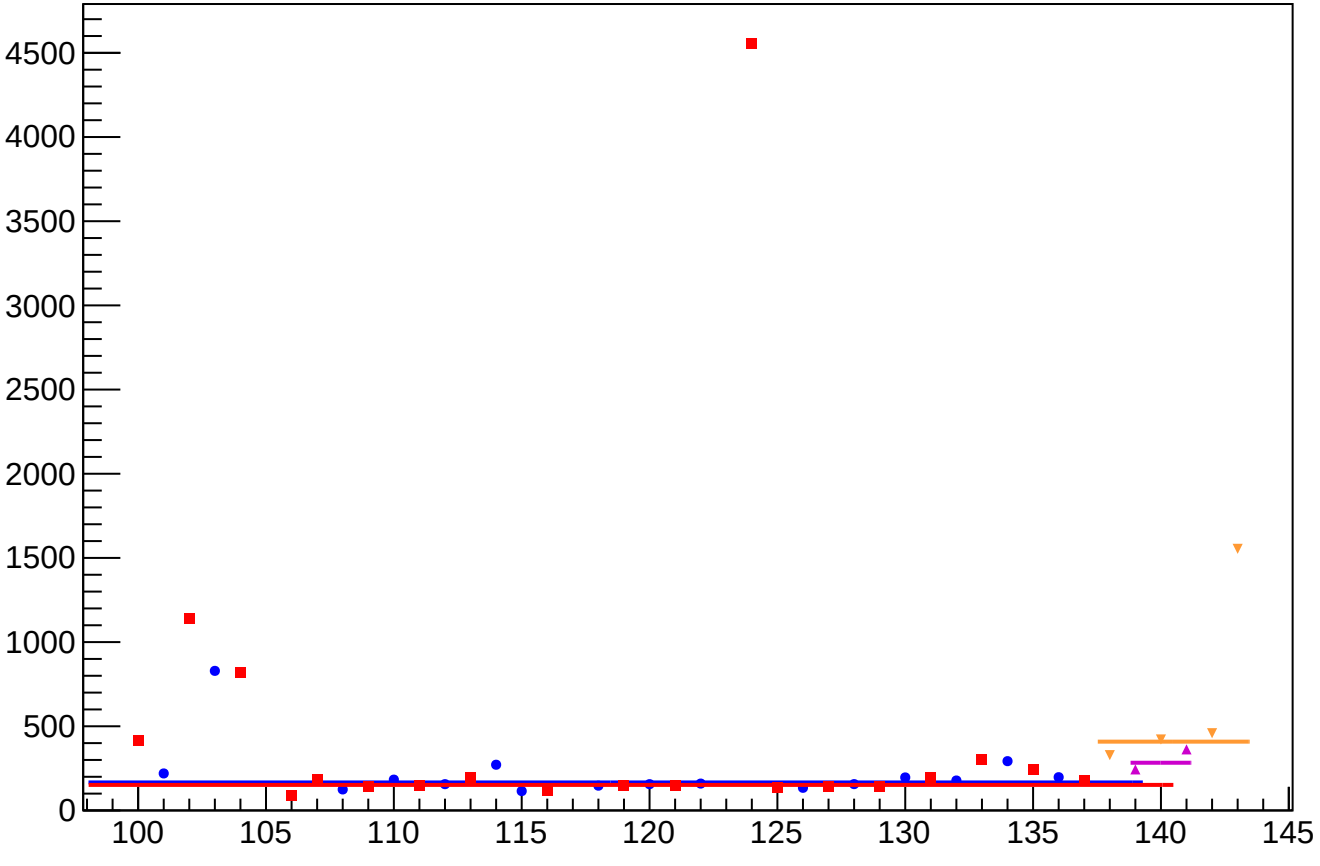
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.064 χ^2/NDF:20.5/17

Out: 0.047+/-0.062 χ^2/NDF:33.7/22

All: -0.007+/-0.045 χ^2/NDF: 55.7/40

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: 408.707+/-0.191 χ^2/NDF:986621.2/3

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: 334.772+/-0.122 χ^2/NDF: 1365911.9/5

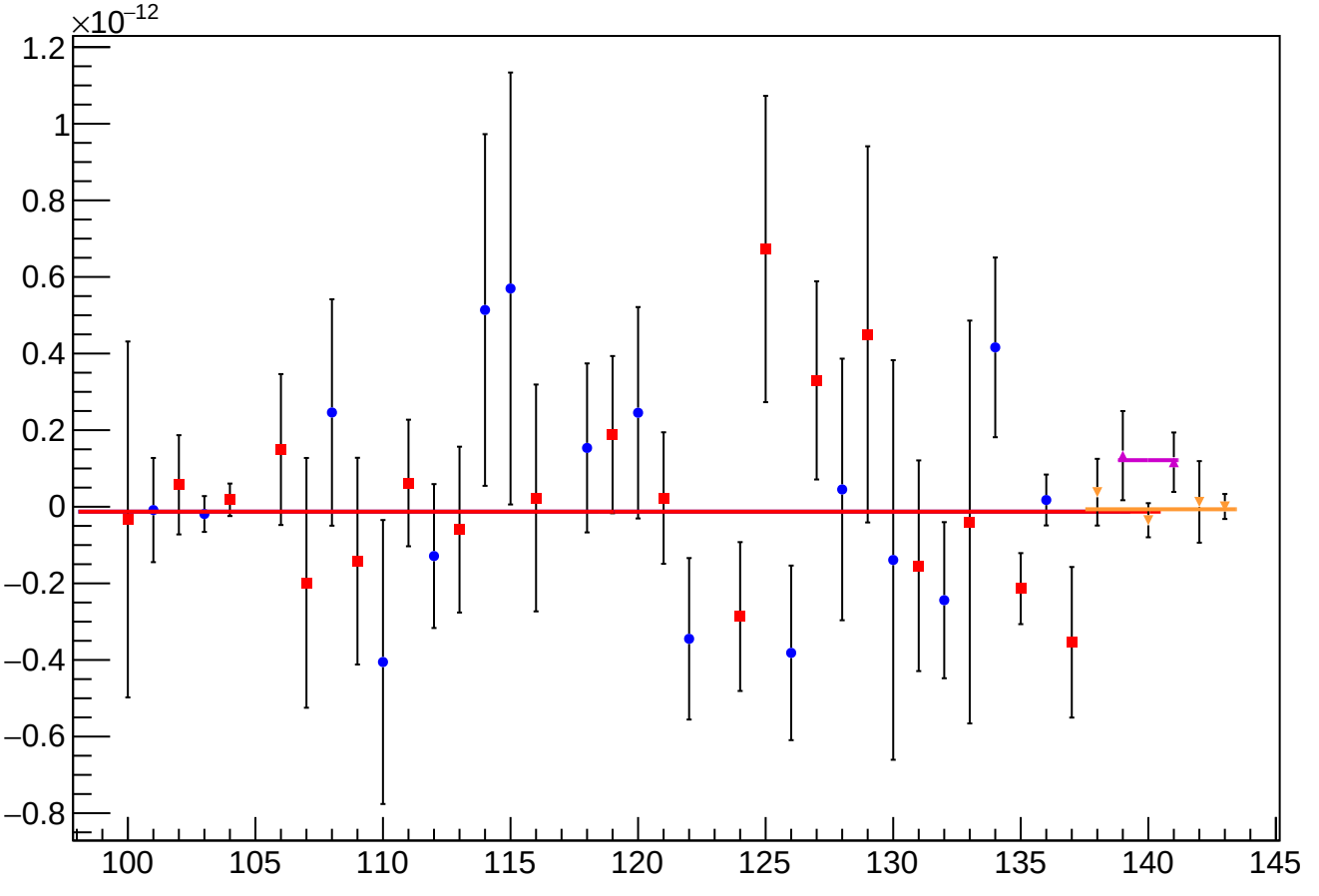
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 175.835+/-0.045 χ^2/NDF:1905162.2/17

Out: 165.501+/-0.044 χ^2/NDF:5021164.0/22

All: 170.531+/-0.032 χ^2/NDF: 6953114.5/40

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:0.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

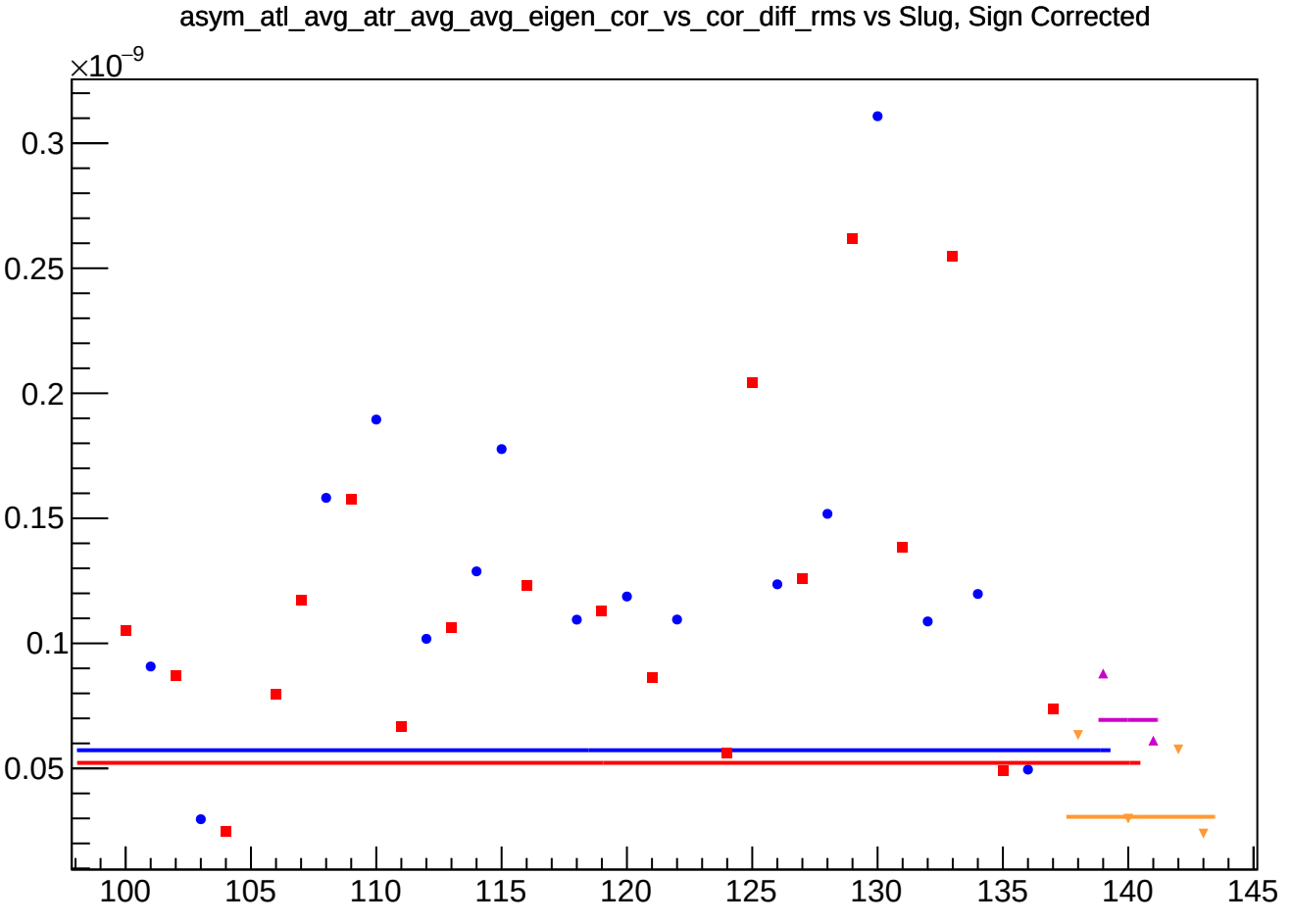
Left: 0.000+/-0.000 χ^2/NDF: 4.2/5

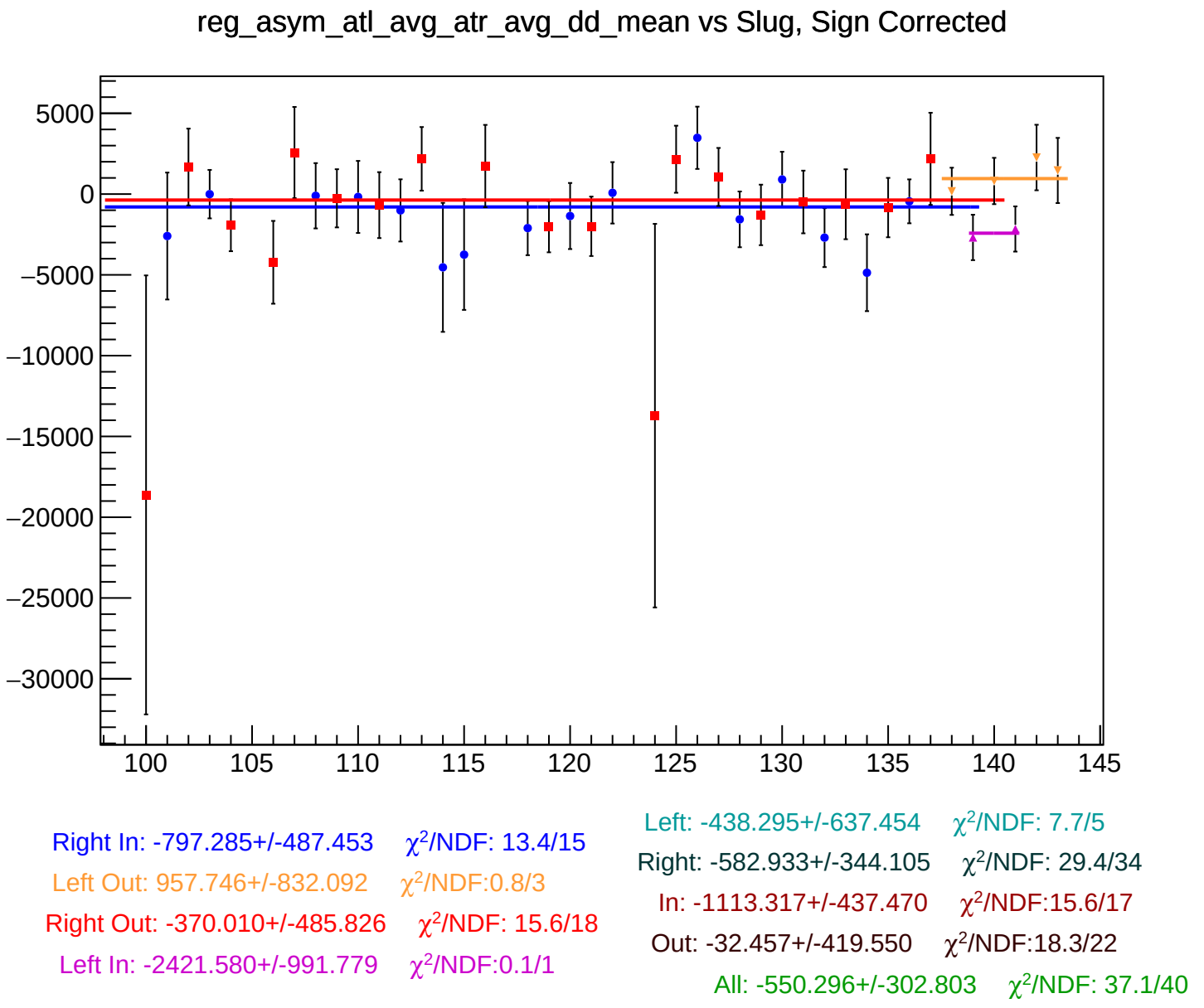
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

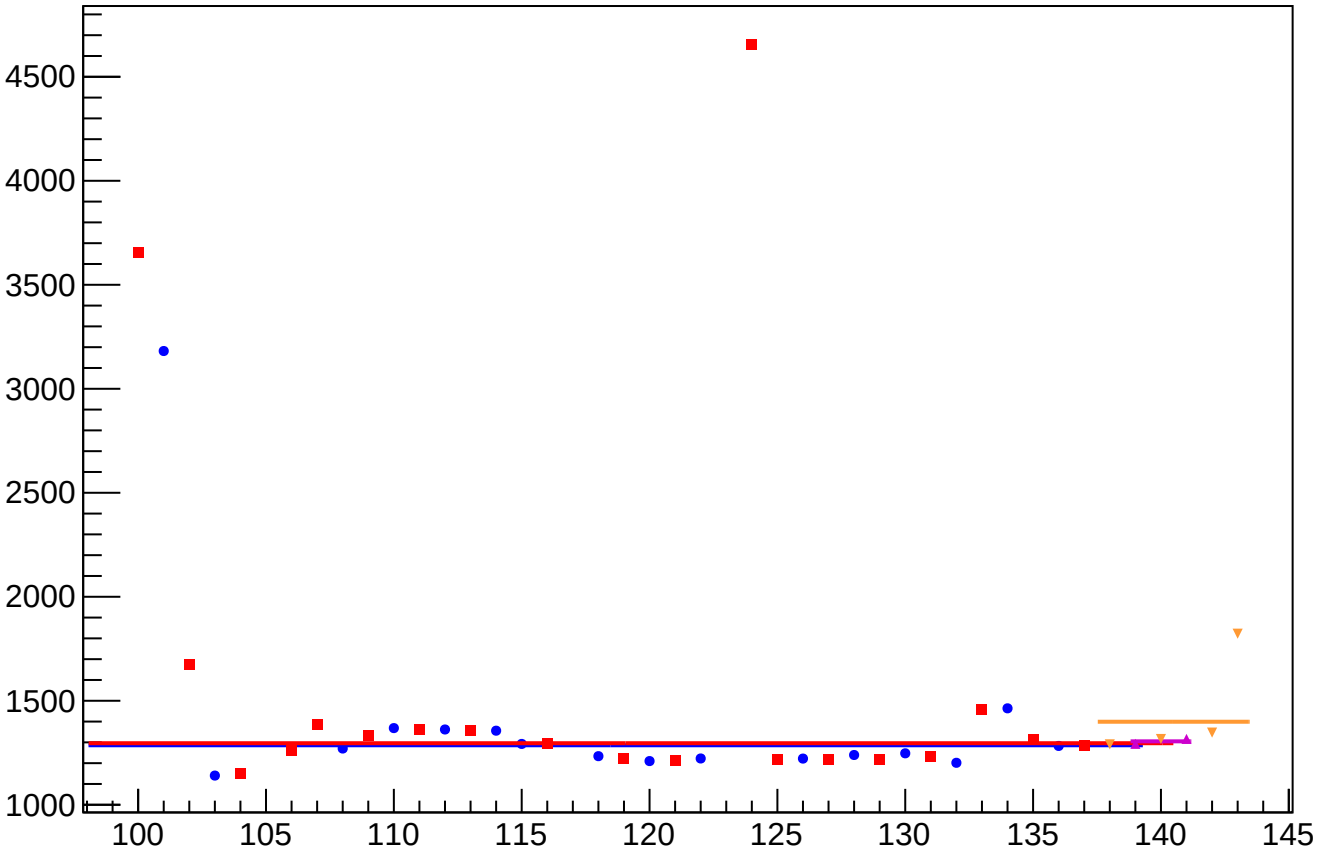
In: 0.000+/-0.000 χ^2/NDF:19.6/17

Out: -0.000+/-0.000 χ^2/NDF:19.7/22

All: -0.000+/-0.000 χ^2/NDF: 39.7/40


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:494918.8/3
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:73537.6/1
Left: 0.000+/-0.000 χ²/NDF: 1198241.2/5
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:3112659.0/17
Out: 0.000+/-0.000 χ²/NDF:4366882.5/22
All: 0.000+/-0.000 χ²/NDF: 8193258.1/40


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
145
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 957.746+/-832.092 χ²/NDF:0.8/3
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -2421.580+/-991.779 χ²/NDF:0.1/1
Left: -438.295+/-637.454 χ²/NDF: 7.7/5
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -1113.317+/-437.470 χ²/NDF:15.6/17
Out: -32.457+/-419.550 χ²/NDF:18.3/22
All: -550.296+/-302.803 χ²/NDF: 37.1/40



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

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: 1360.243+/-0.451 χ^2/NDF: 118055.4/5

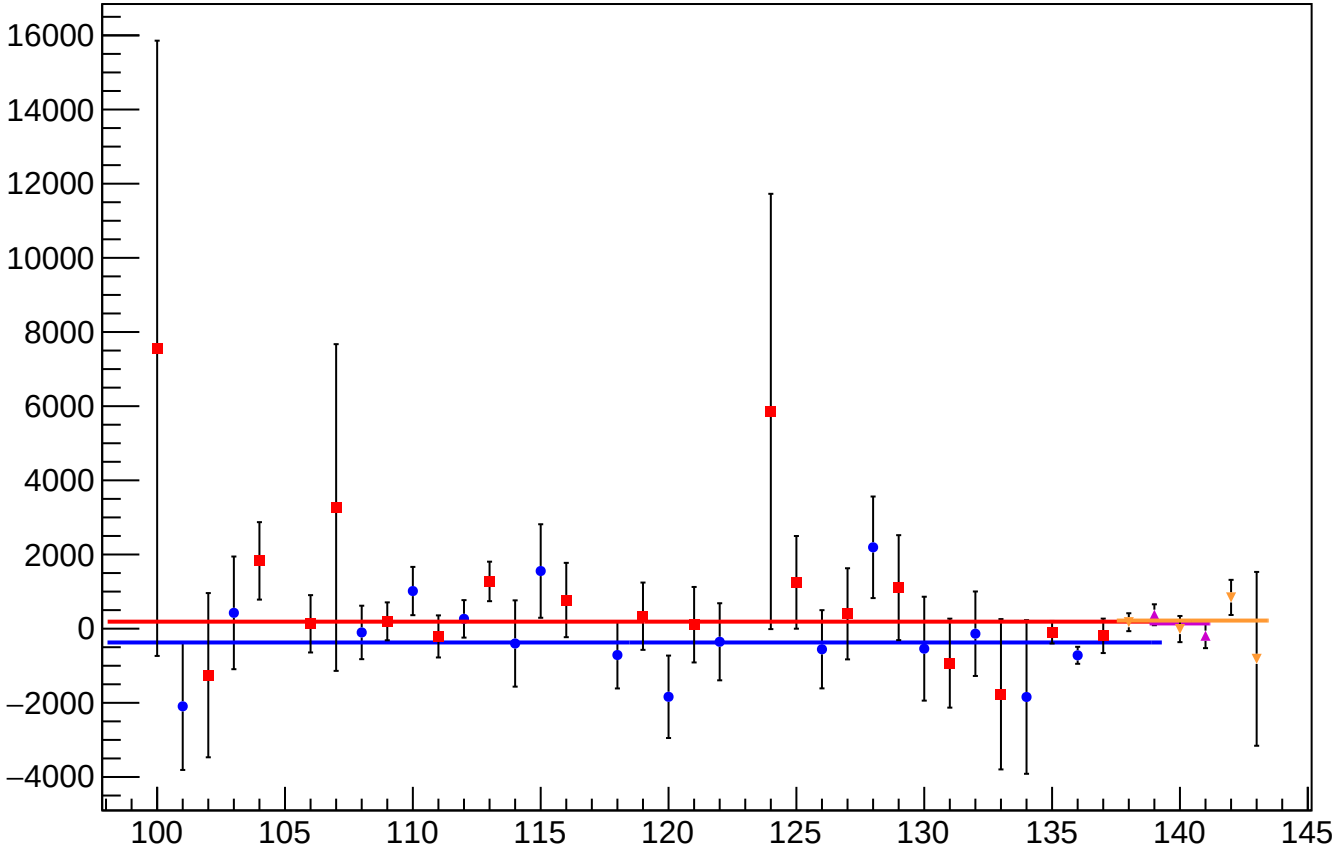
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.759+/-0.309 χ^2/NDF:518995.4/17

Out: 1322.190+/-0.297 χ^2/NDF:458194.9/22

All: 1306.652+/-0.214 χ^2/NDF: 982915.9/40

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: 218.459+/-183.130 χ^2/NDF:2.4/3

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: 186.034+/-139.664 χ^2/NDF: 4.1/5

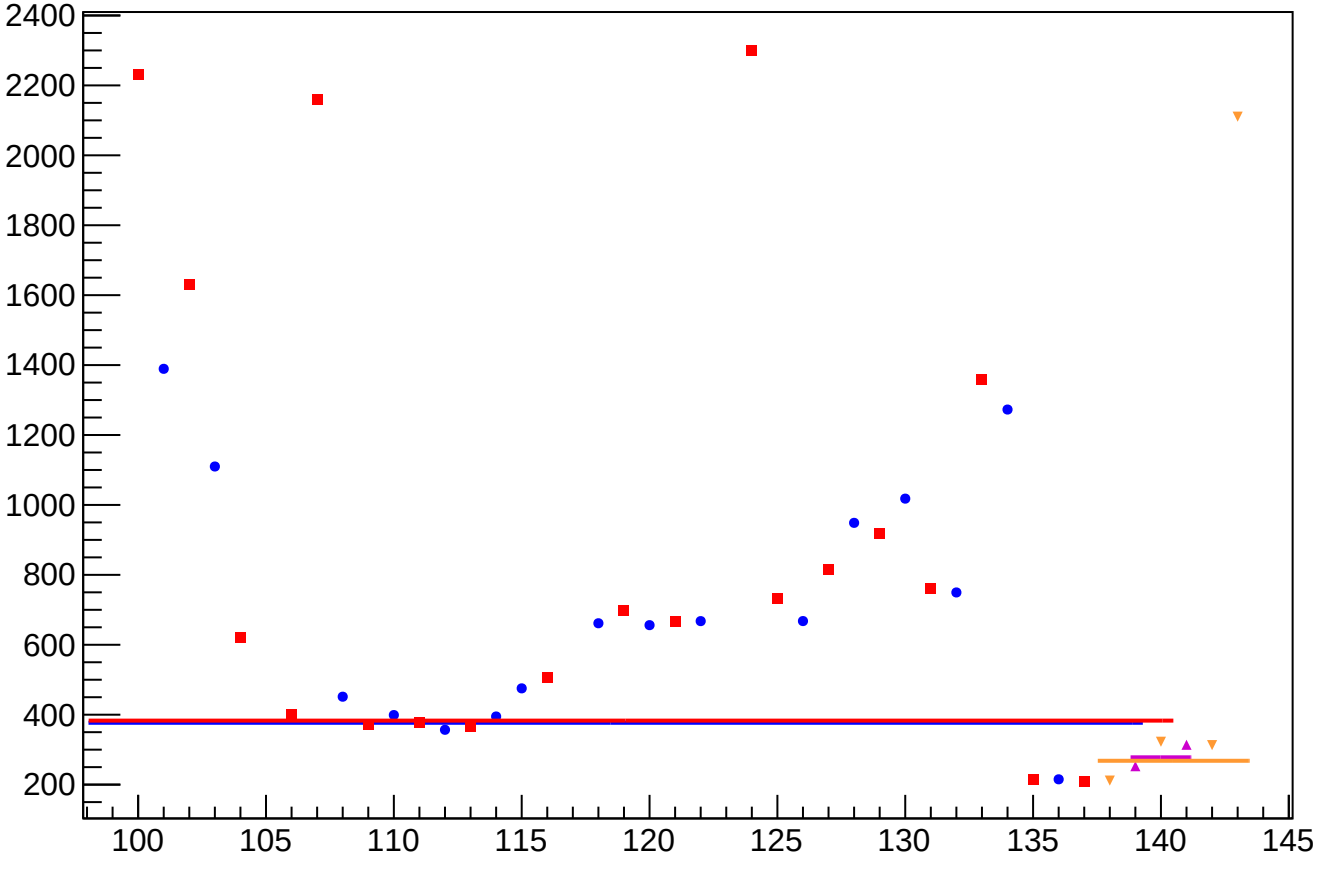
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -178.486+/-132.695 χ^2/NDF:23.3/17

Out: 202.569+/-124.424 χ^2/NDF:17.0/22

All: 24.286+/-90.764 χ^2/NDF: 44.8/40

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: 268.199+/-0.129 χ^2/NDF:1411017.9/3

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.092+/-0.153 χ^2/NDF:39183.4/1

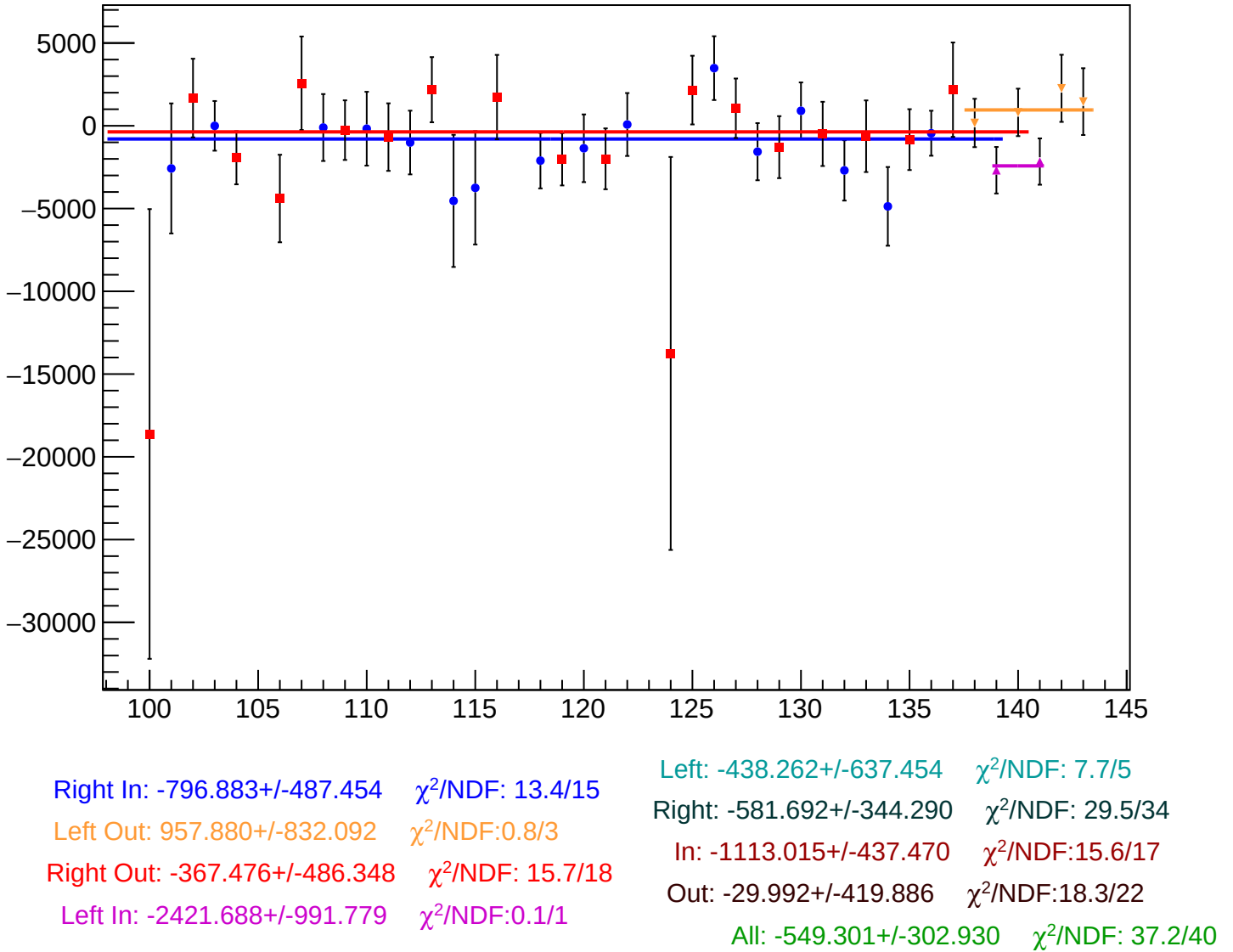
Left: 272.338+/-0.099 χ^2/NDF: 1452642.9/5

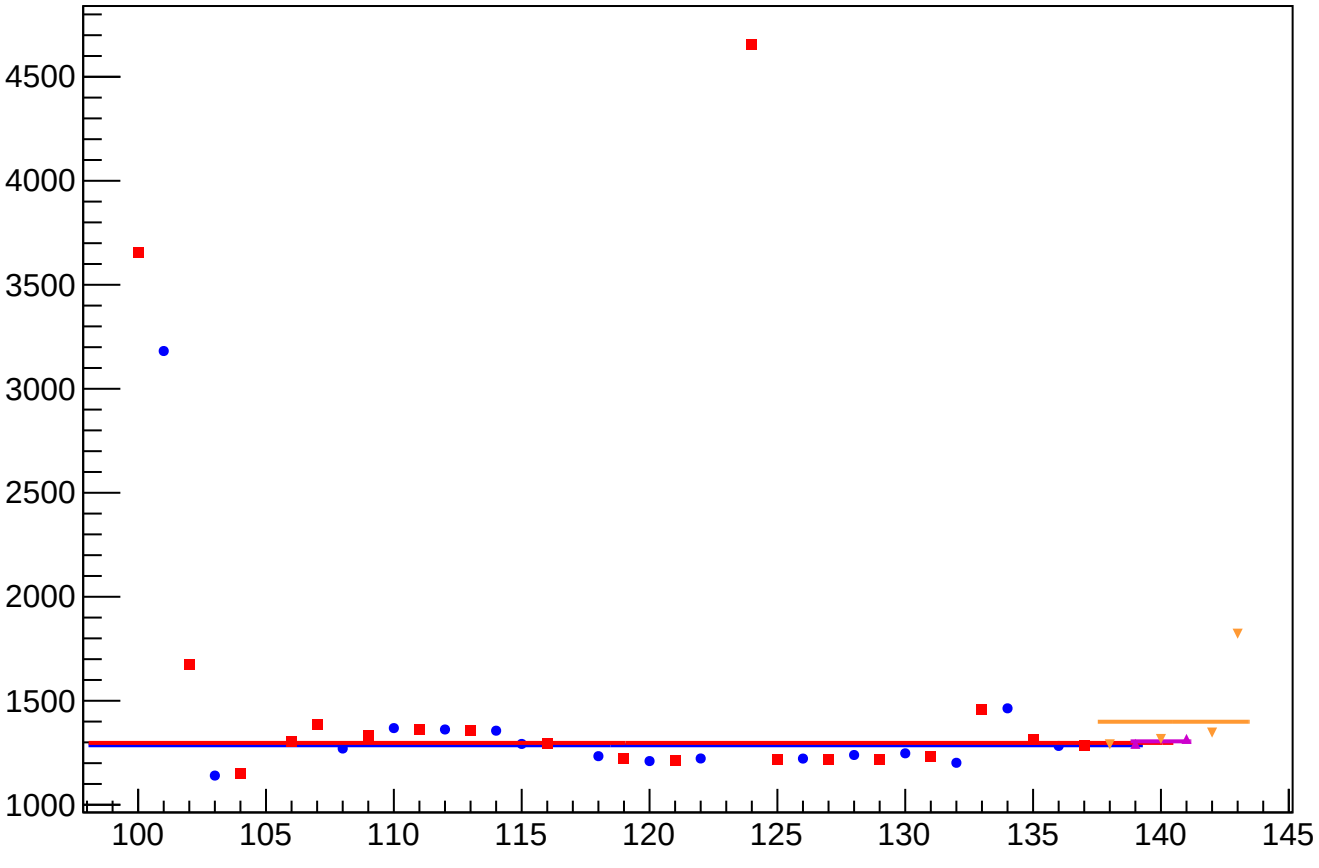
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 339.581+/-0.094 χ^2/NDF:4489974.5/17

Out: 330.045+/-0.088 χ^2/NDF:5888825.5/22

All: 334.506+/-0.064 χ^2/NDF: 10384296.5/40


cor_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
145
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 957.880+/-832.092 χ²/NDF:0.8/3
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2421.688+/-991.779 χ²/NDF:0.1/1
Left: -438.262+/-637.454 χ²/NDF: 7.7/5
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -1113.015+/-437.470 χ²/NDF:15.6/17
Out: -29.992+/-419.886 χ²/NDF:18.3/22
All: -549.301+/-302.930 χ²/NDF: 37.2/40



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

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: 1360.243+/-0.451 χ^2/NDF: 118055.4/5

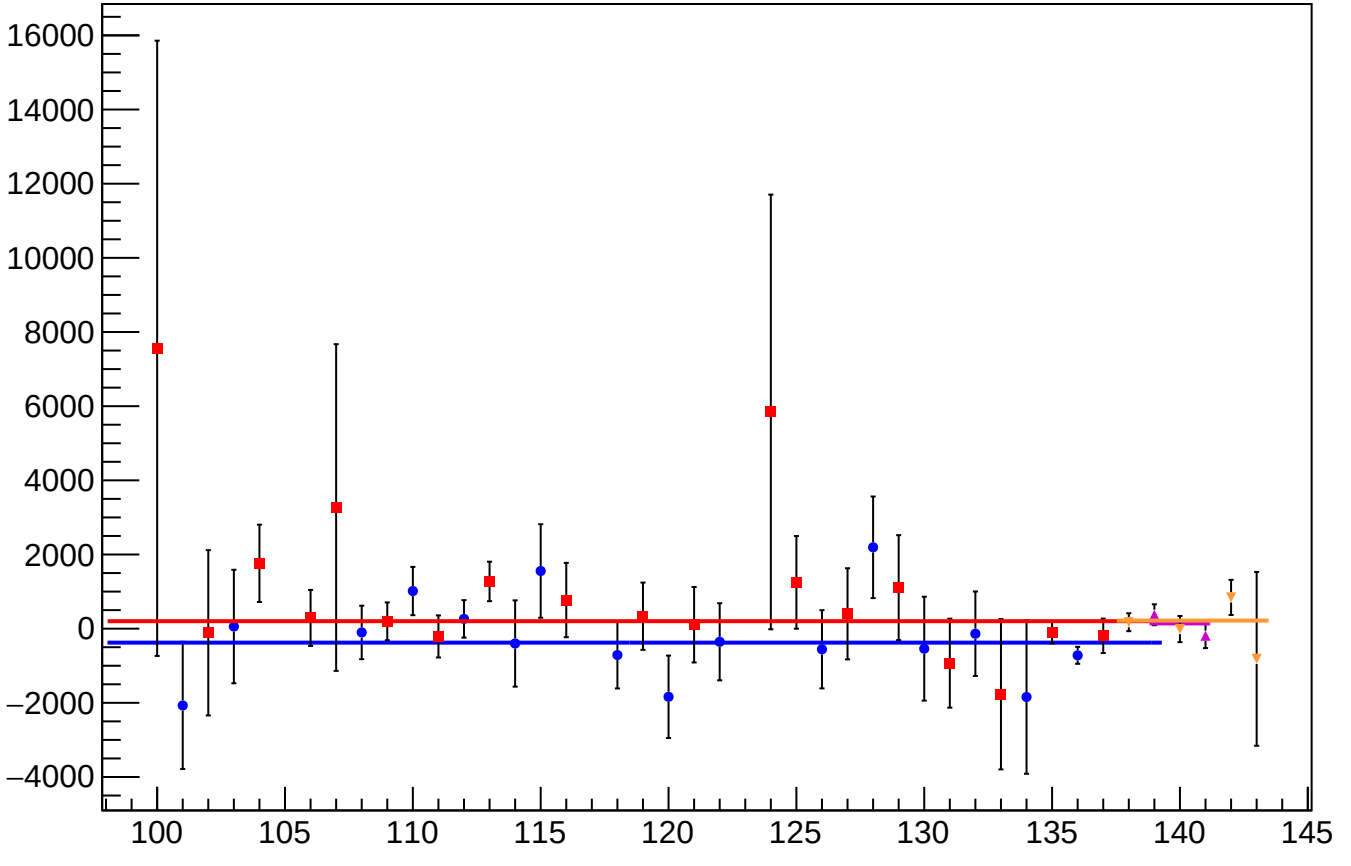
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

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: 218.559+/-183.137 χ^2/NDF:2.4/3

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: 186.160+/-139.668 χ^2/NDF: 4.1/5

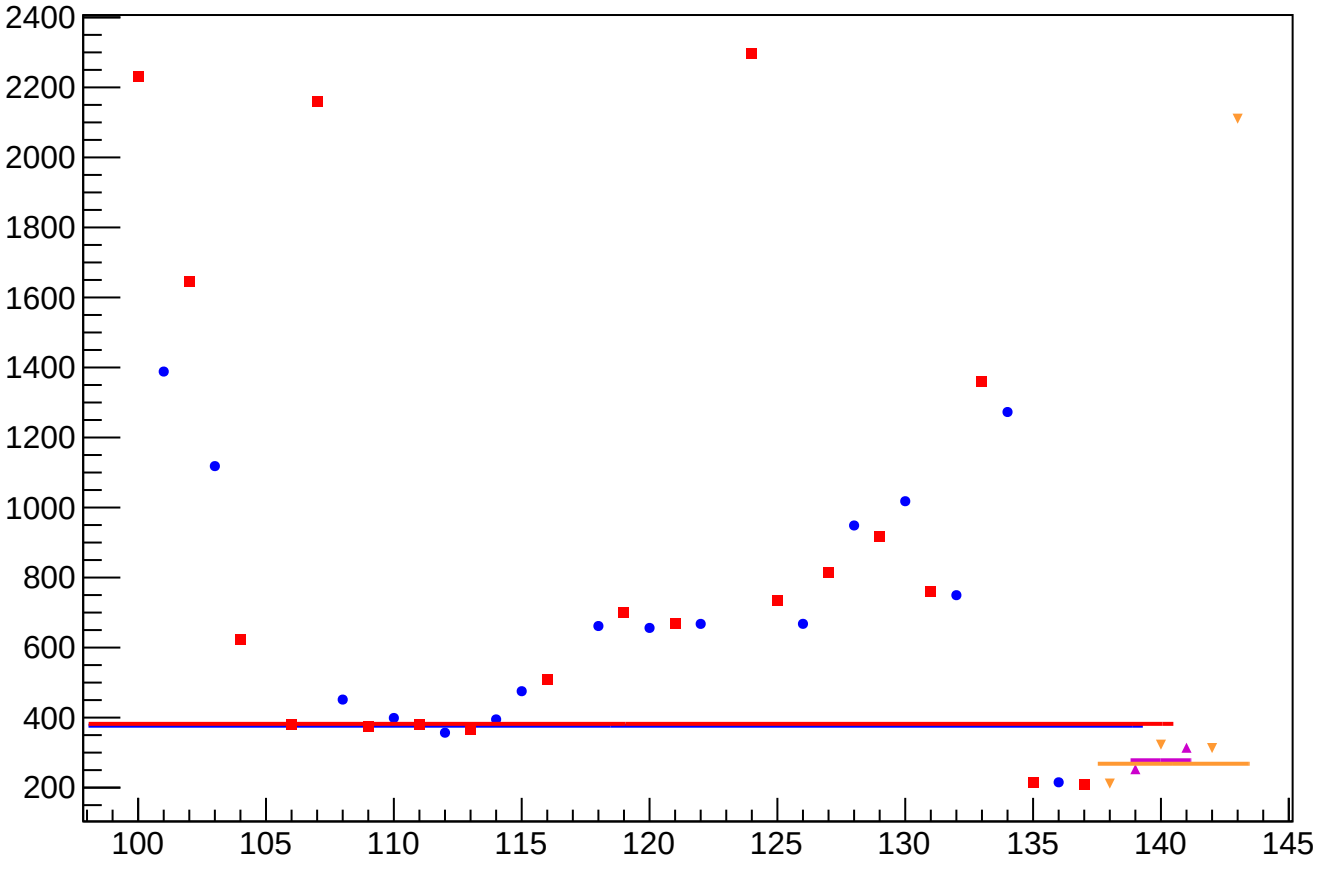
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 26.968+/-90.738 χ^2/NDF: 44.2/40

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

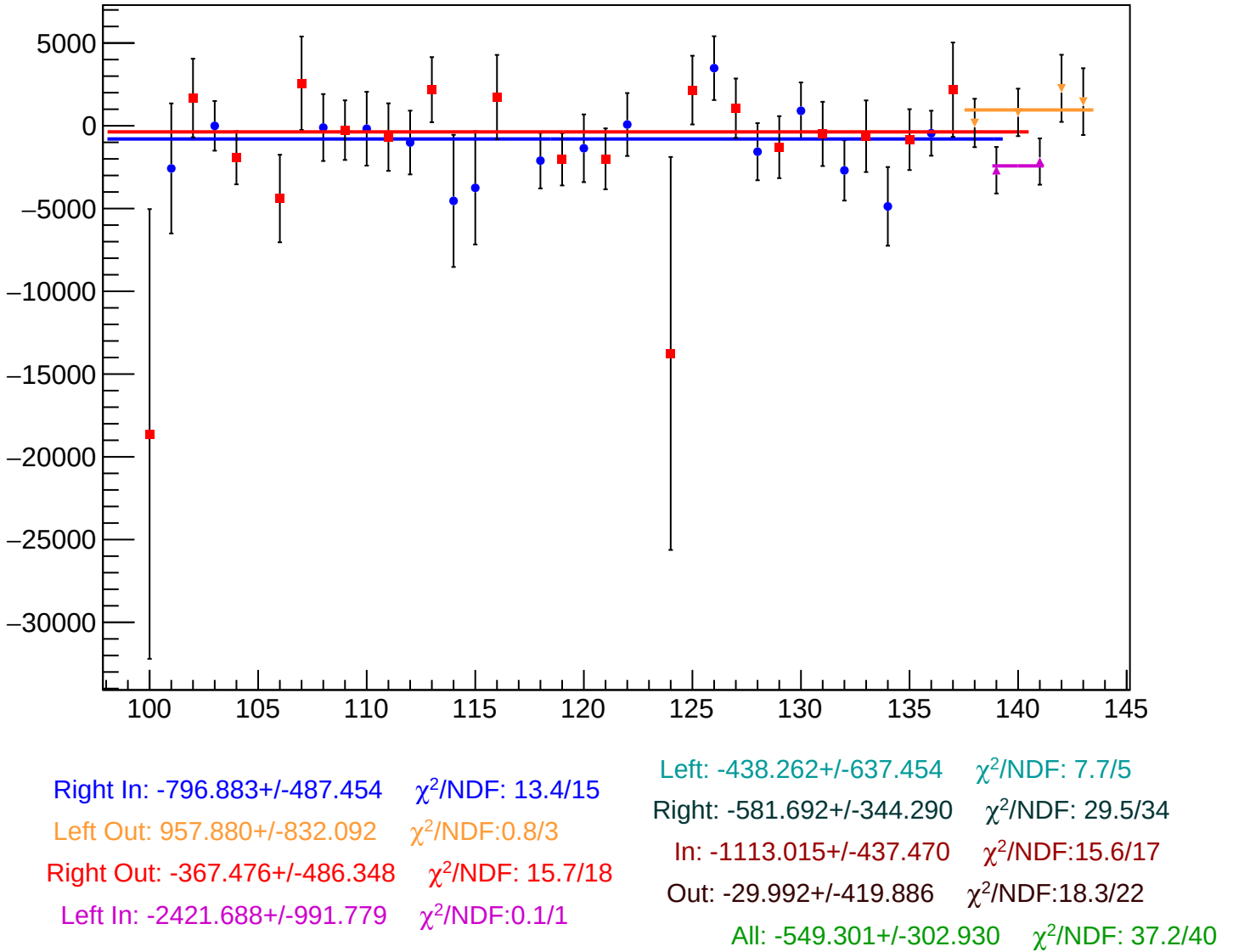
Left: 272.345+/-0.099 χ^2/NDF: 1452644.7/5

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
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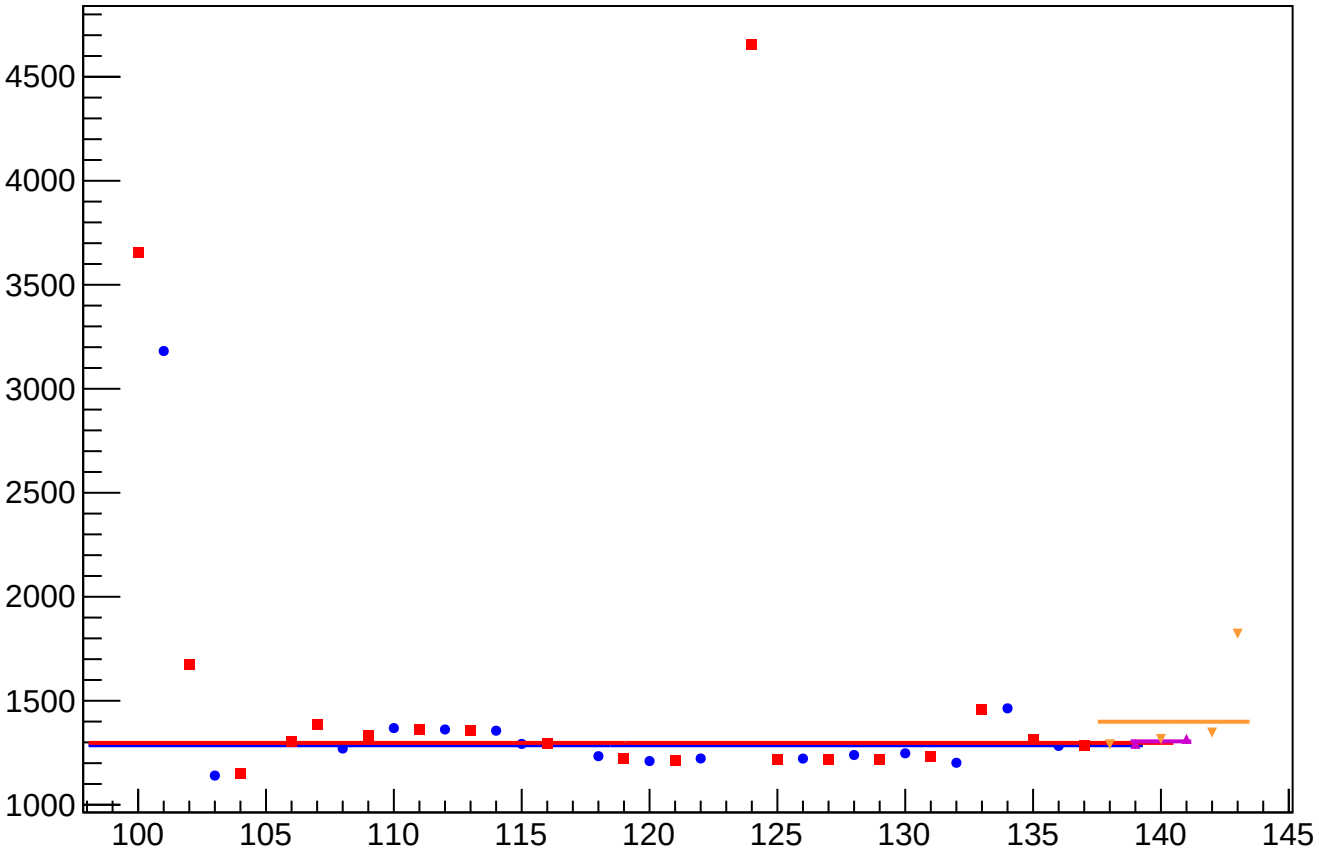
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 957.880+/-832.092 χ²/NDF:0.8/3
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2421.688+/-991.779 χ²/NDF:0.1/1
Left: -438.262+/-637.454 χ²/NDF: 7.7/5
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -1113.015+/-437.470 χ²/NDF:15.6/17
Out: -29.992+/-419.886 χ²/NDF:18.3/22
All: -549.301+/-302.930 χ²/NDF: 37.2/40



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

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: 1360.243+/-0.451 χ^2/NDF: 118055.4/5

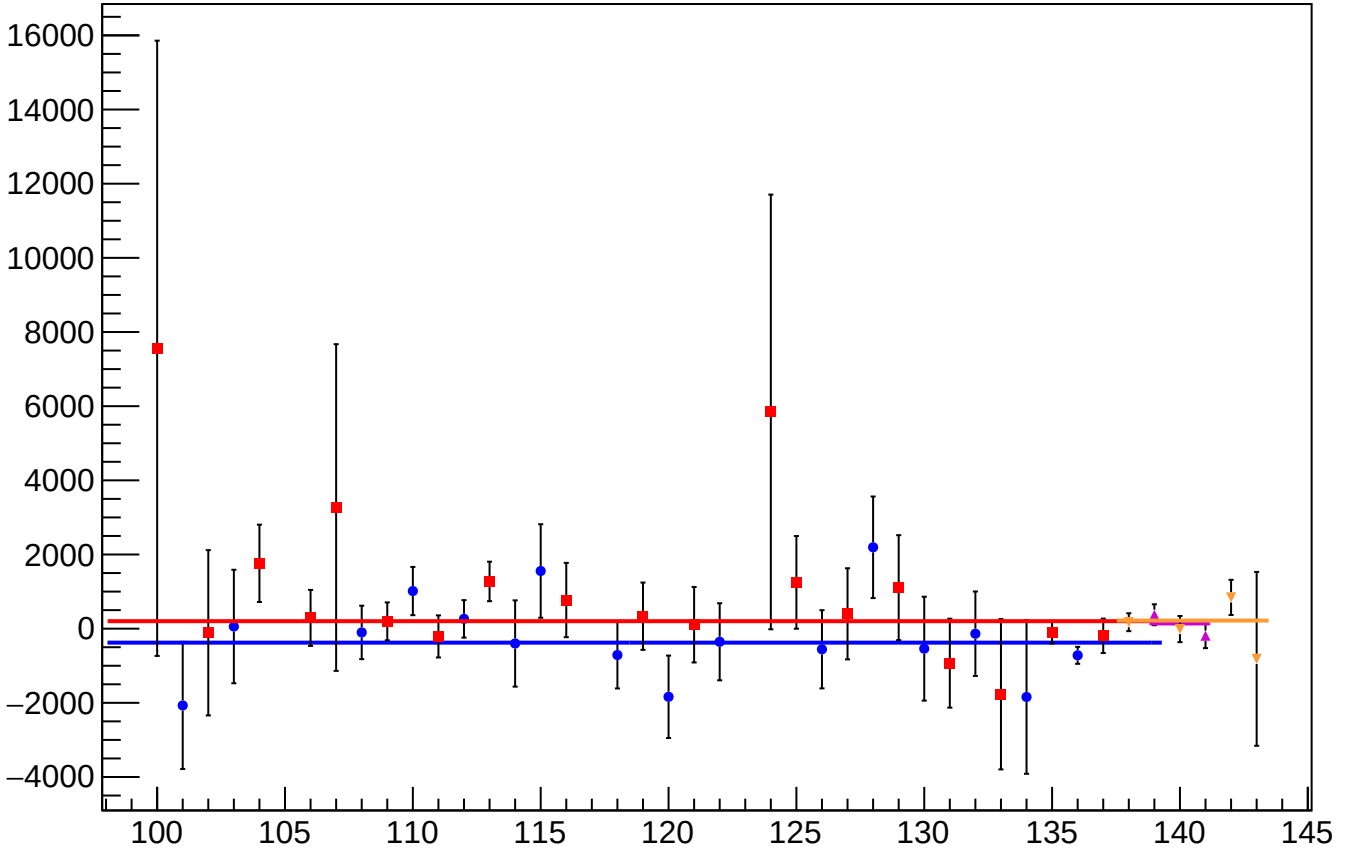
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

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: 218.559+/-183.137 χ^2/NDF:2.4/3

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: 186.160+/-139.668 χ^2/NDF: 4.1/5

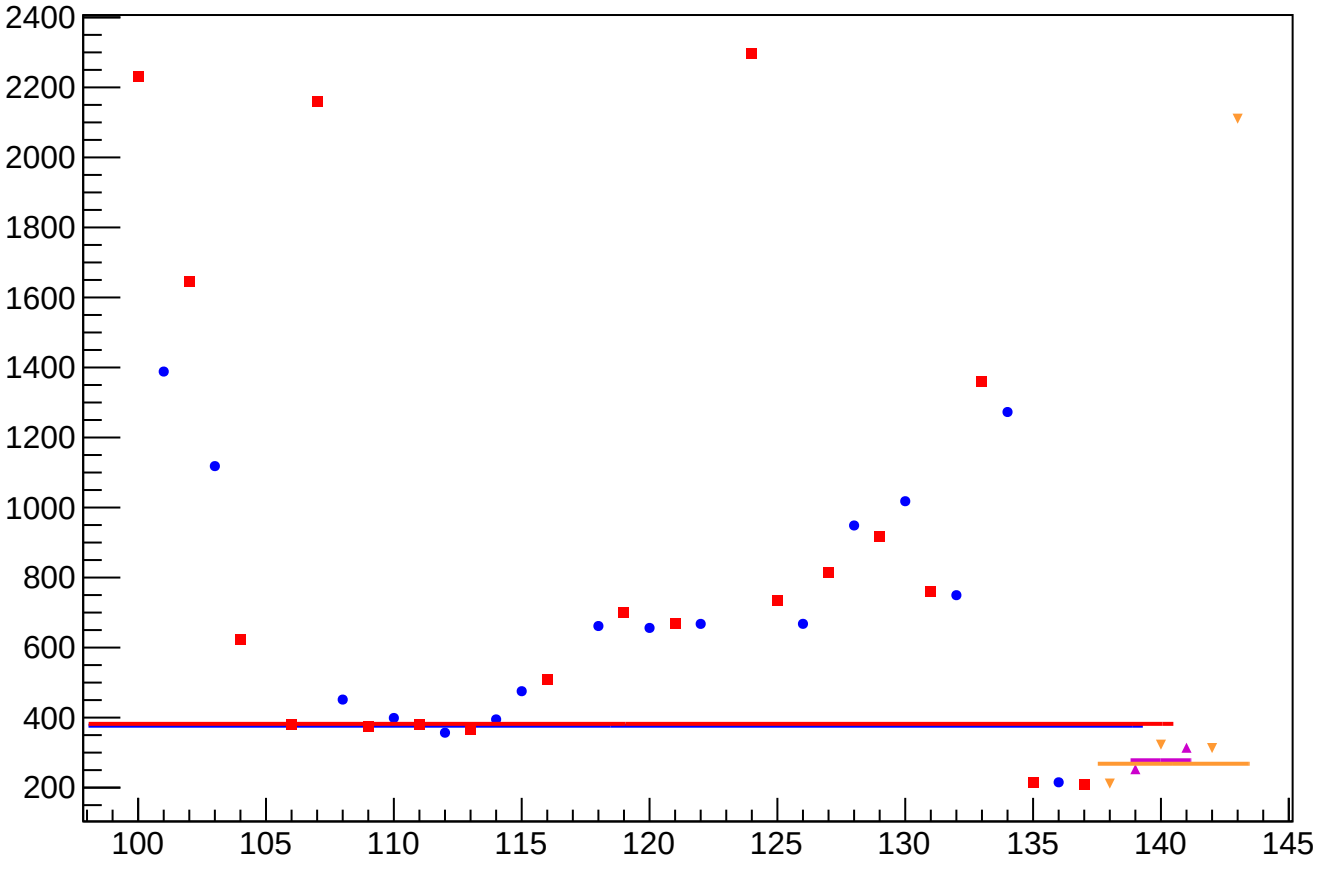
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 26.968+/-90.738 χ^2/NDF: 44.2/40

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

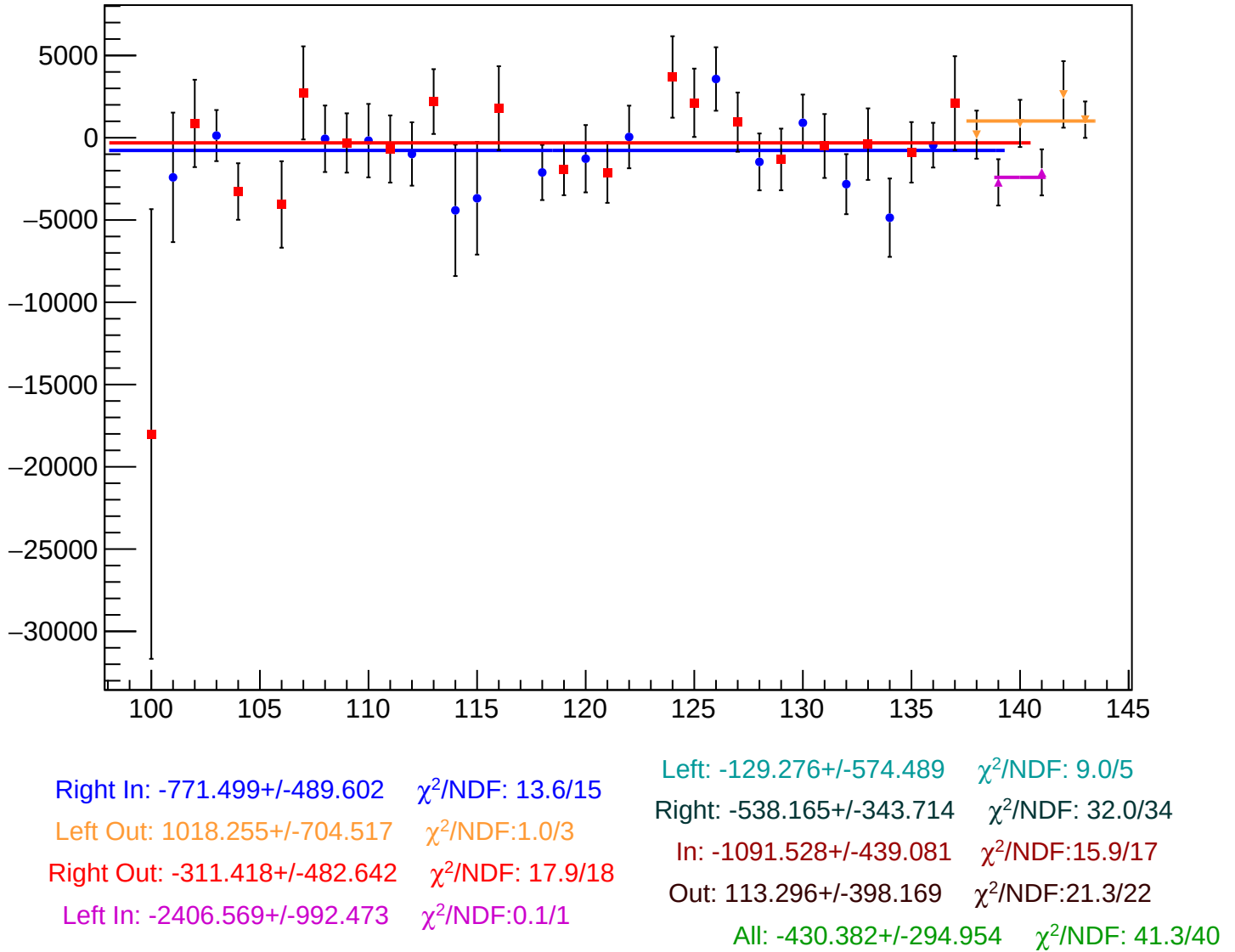
Left: 272.345+/-0.099 χ^2/NDF: 1452644.7/5

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−20000
−25000
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115
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125
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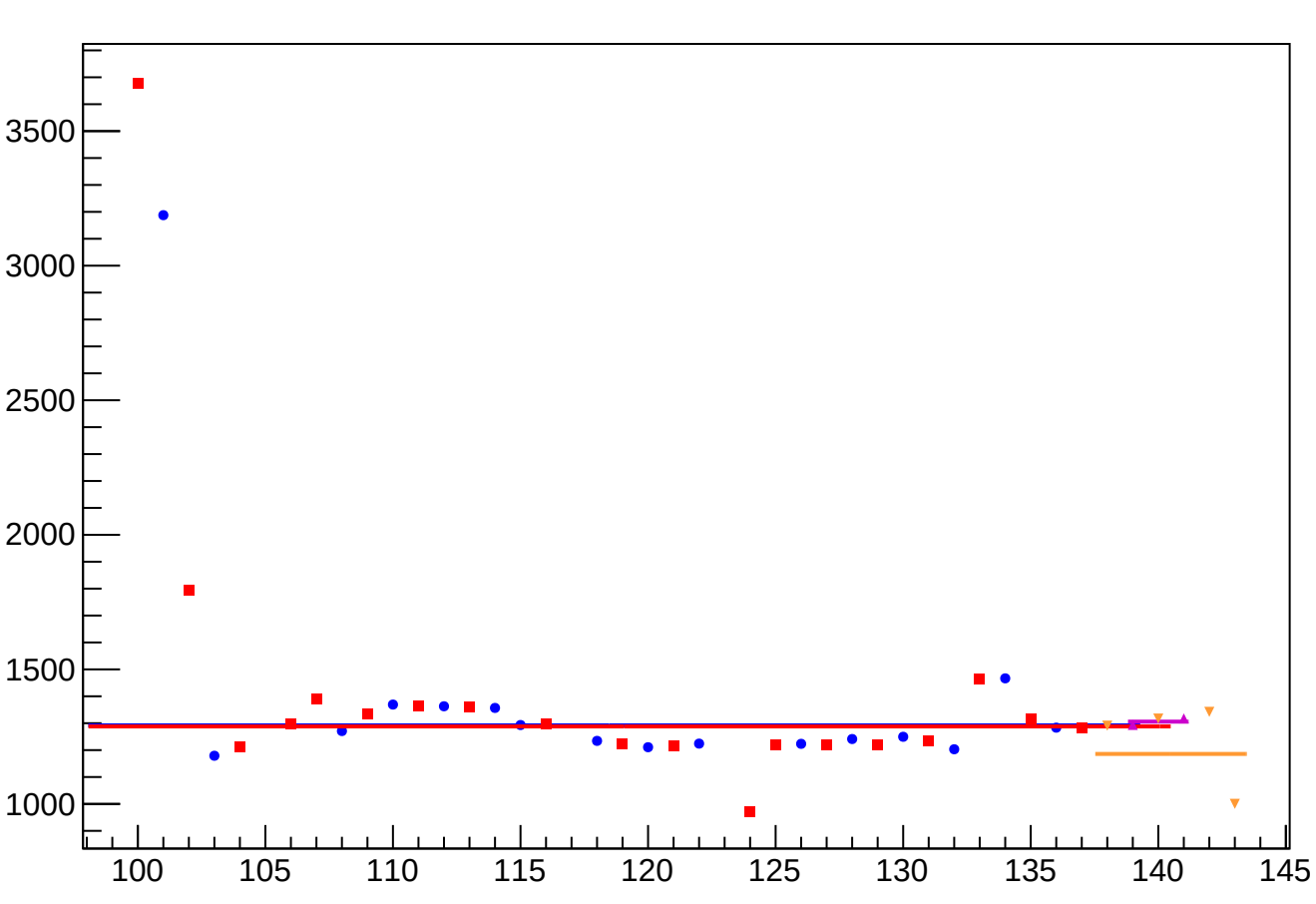
135
140
145
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.255+/-704.517 χ²/NDF:1.0/3
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -2406.569+/-992.473 χ²/NDF:0.1/1
Left: -129.276+/-574.489 χ²/NDF: 9.0/5
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -1091.528+/-439.081 χ²/NDF:15.9/17
Out: 113.296+/-398.169 χ²/NDF:21.3/22
All: -430.382+/-294.954 χ²/NDF: 41.3/40



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95235.2/3

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: 1226.017+/-0.406 χ^2/NDF: 114975.3/5

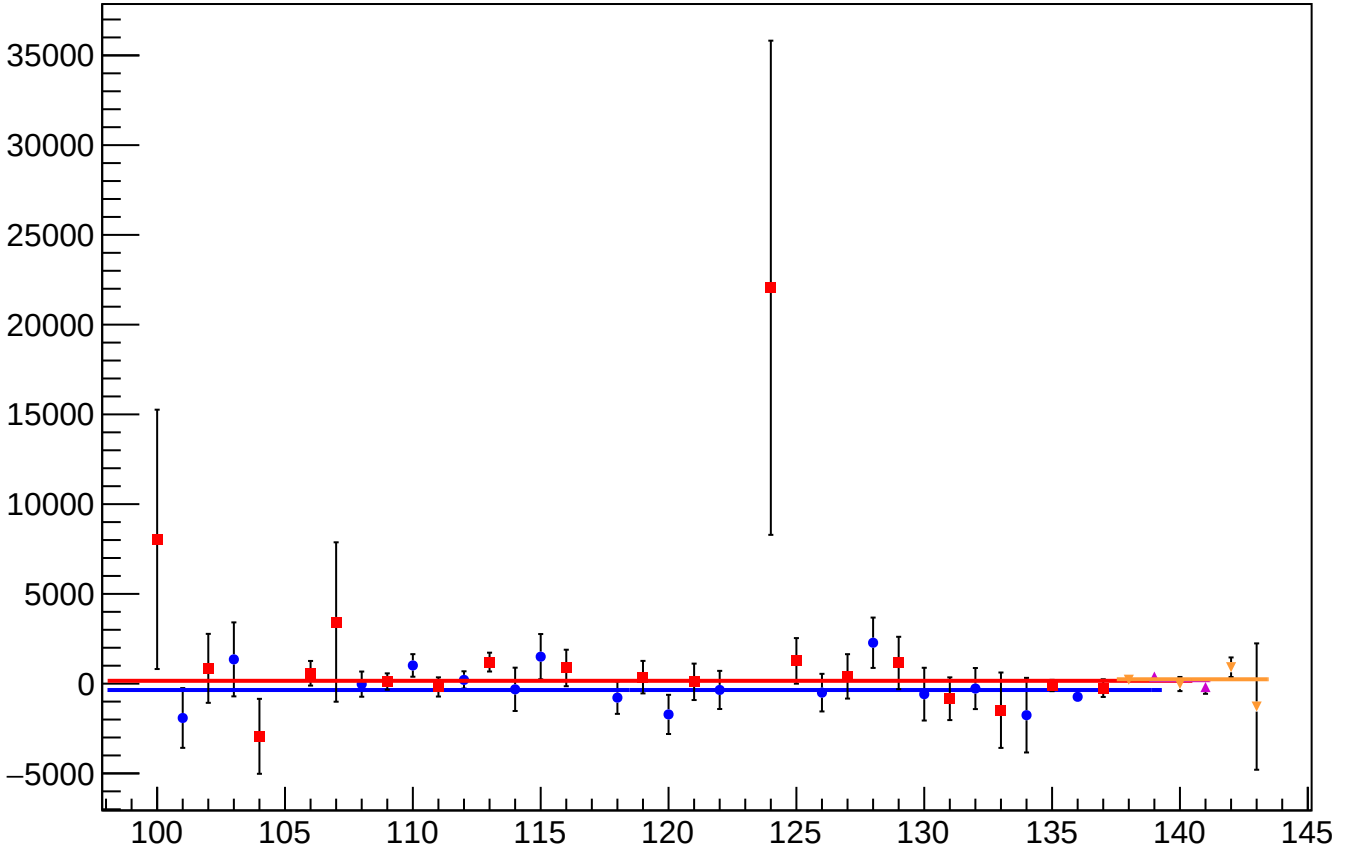
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1255.350+/-0.282 χ^2/NDF:333078.0/22

All: 1273.122+/-0.209 χ^2/NDF: 851919.6/40

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 243.344+/-193.368 χ^2/NDF:2.2/3

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: 221.001+/-146.193 χ^2/NDF: 3.7/5

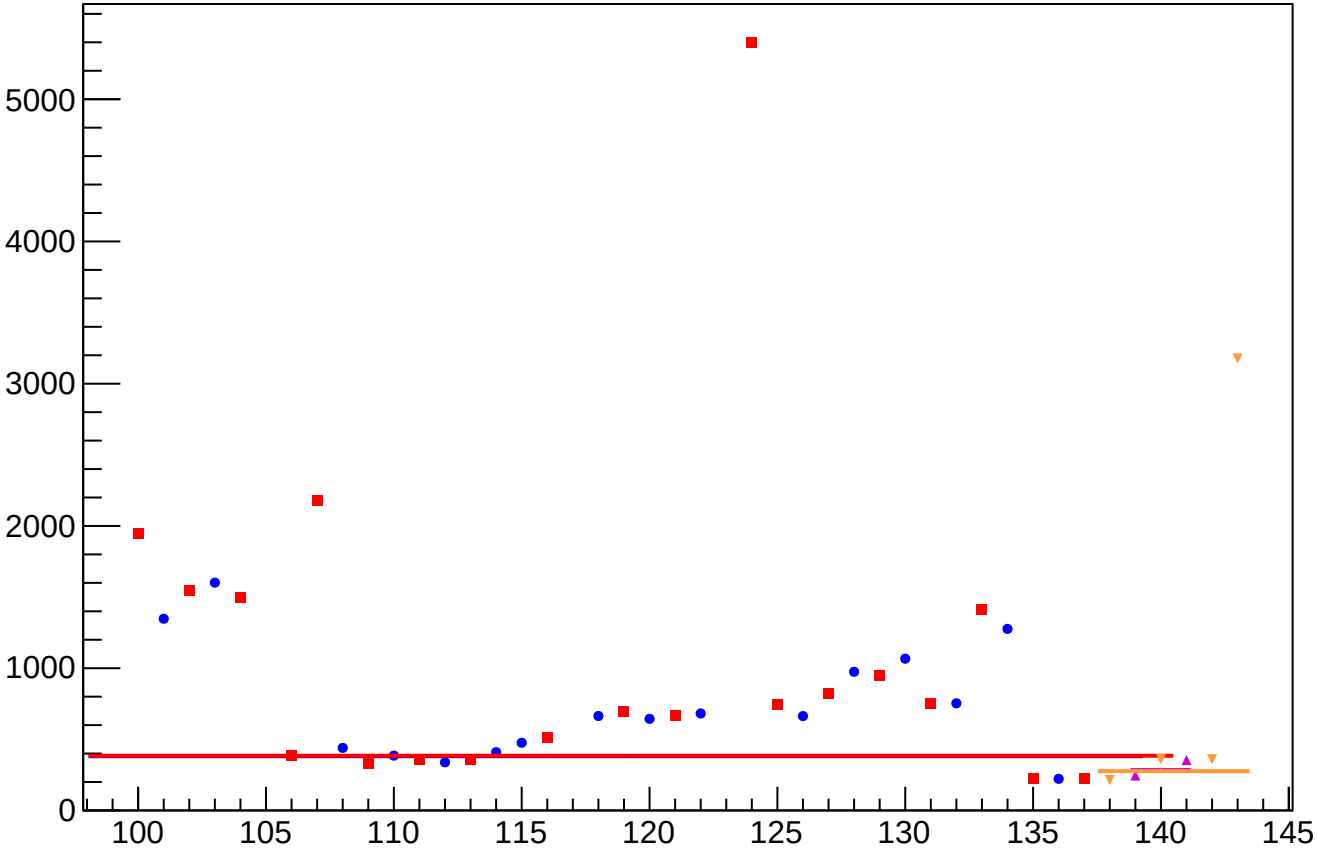
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -154.842+/-135.260 χ^2/NDF:23.8/17

Out: 195.080+/-127.532 χ^2/NDF:18.1/22

All: 30.400+/-92.791 χ^2/NDF: 45.4/40

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: 276.288+/-0.137 χ^2/NDF:1628852.6/3

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 283.807+/-0.158 χ^2/NDF:107020.9/1

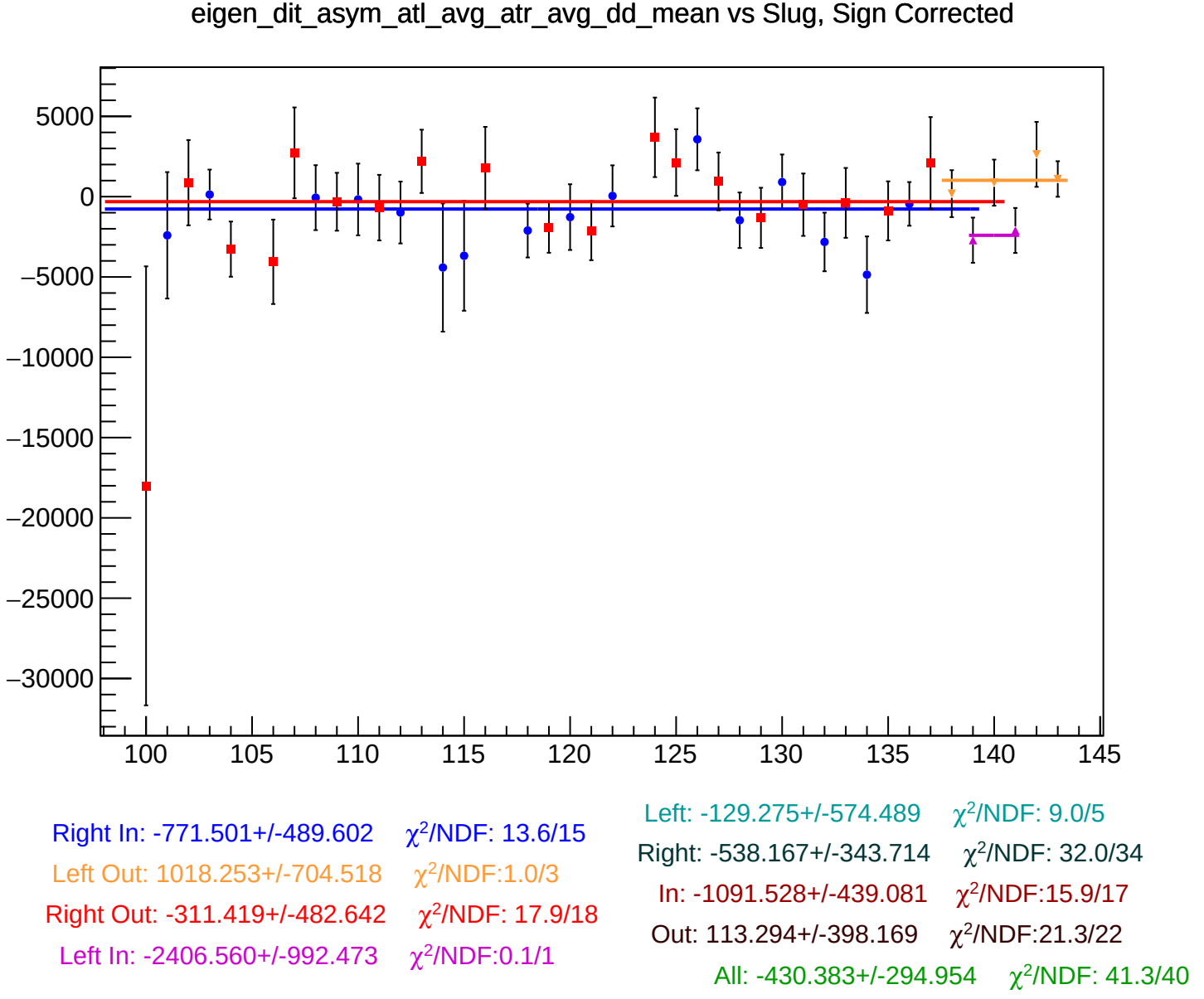
Left: 279.509+/-0.103 χ^2/NDF: 1737169.0/5

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 345.578+/-0.096 χ^2/NDF:4666493.7/17

Out: 337.514+/-0.090 χ^2/NDF:6543941.8/22

All: 341.309+/-0.066 χ^2/NDF: 11214198.3/40


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
−30000
100
105
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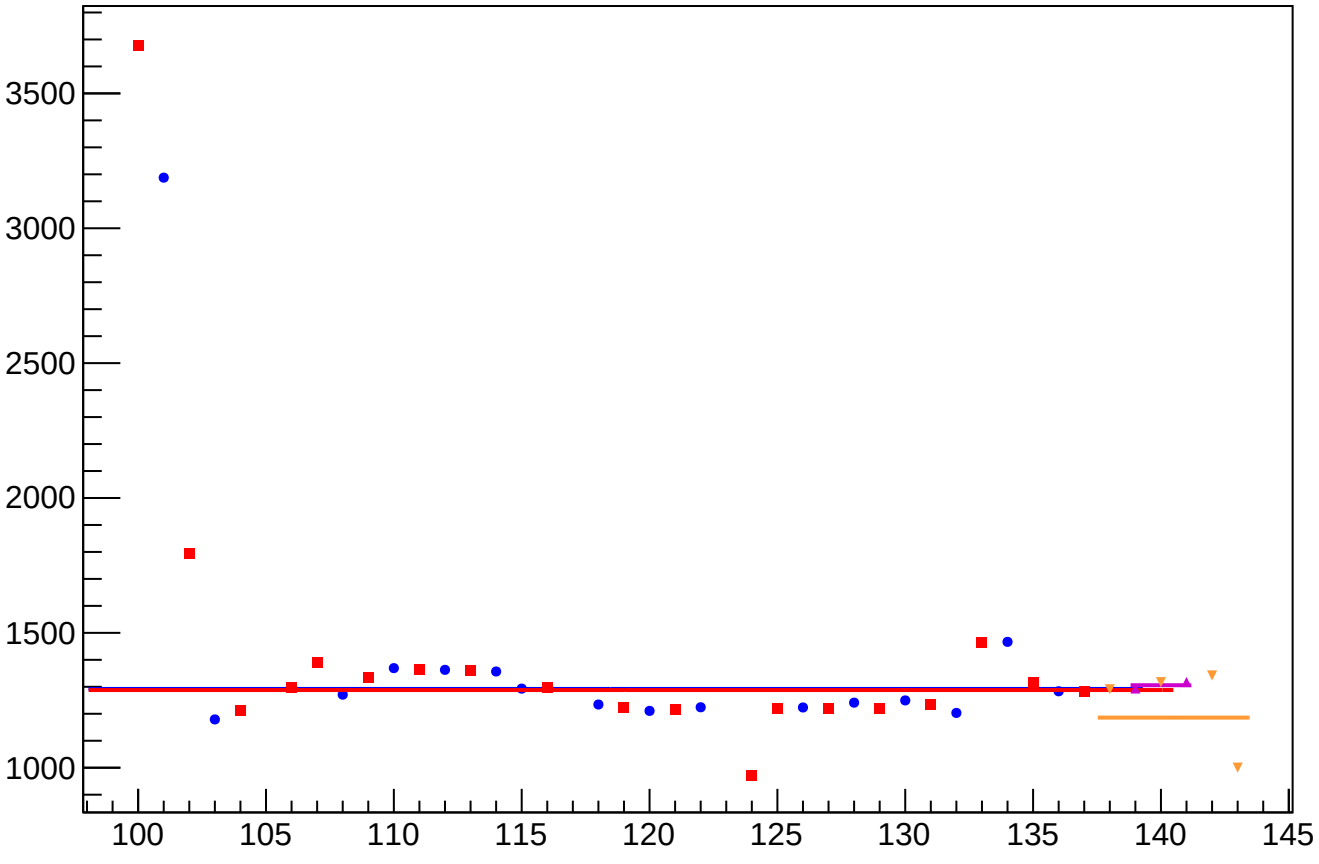
115
120
125
130
135
140
145
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.253+/-704.518 χ²/NDF:1.0/3
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -2406.560+/-992.473 χ²/NDF:0.1/1
Left: -129.275+/-574.489 χ²/NDF: 9.0/5
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -1091.528+/-439.081 χ²/NDF:15.9/17
Out: 113.294+/-398.169 χ²/NDF:21.3/22
All: -430.383+/-294.954 χ²/NDF: 41.3/40



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95234.6/3

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: 1226.017+/-0.406 χ^2/NDF: 114974.6/5

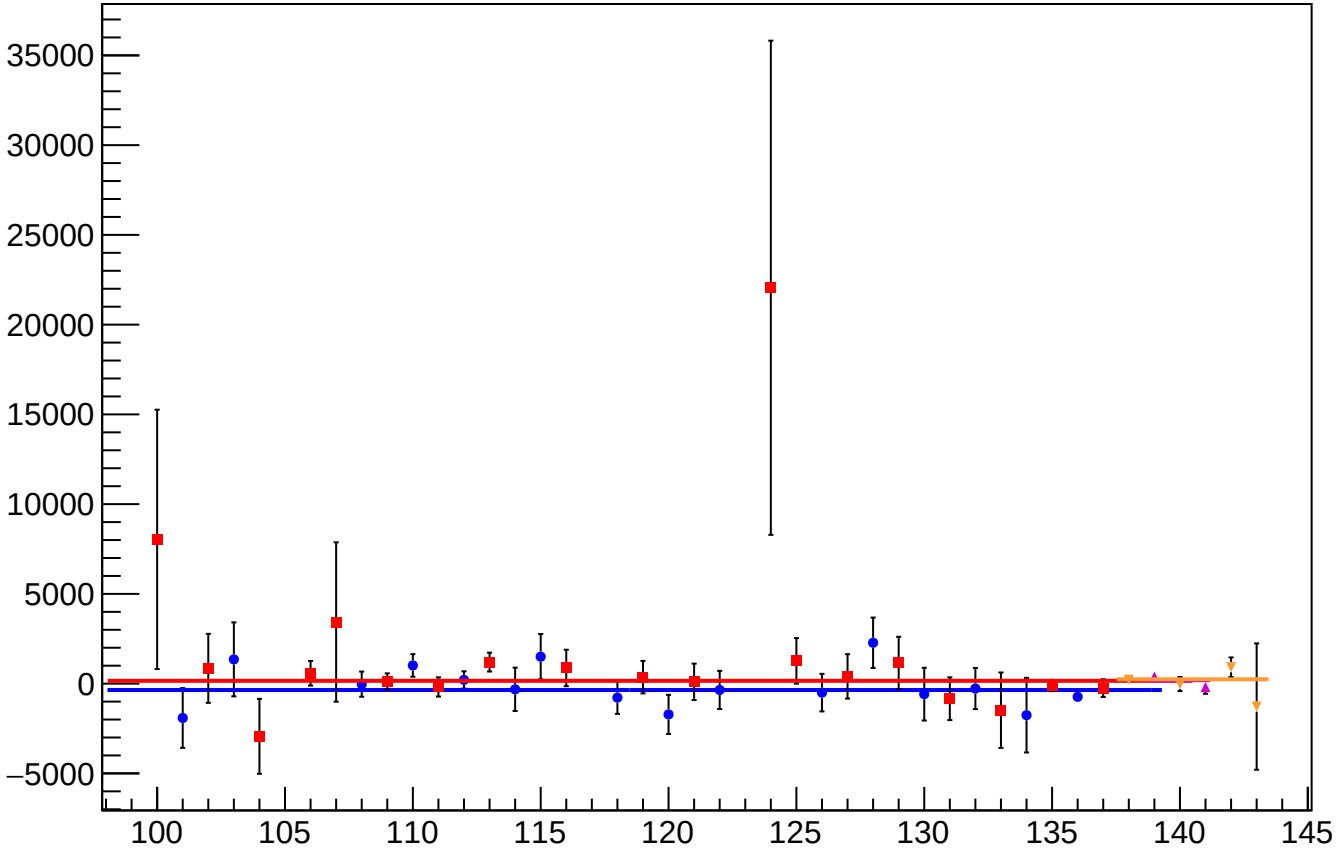
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1255.350+/-0.282 χ^2/NDF:333077.4/22

All: 1273.122+/-0.209 χ^2/NDF: 851918.9/40

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: 243.355+/-193.376 χ^2/NDF:2.2/3

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: 221.009+/-146.200 χ^2/NDF: 3.7/5

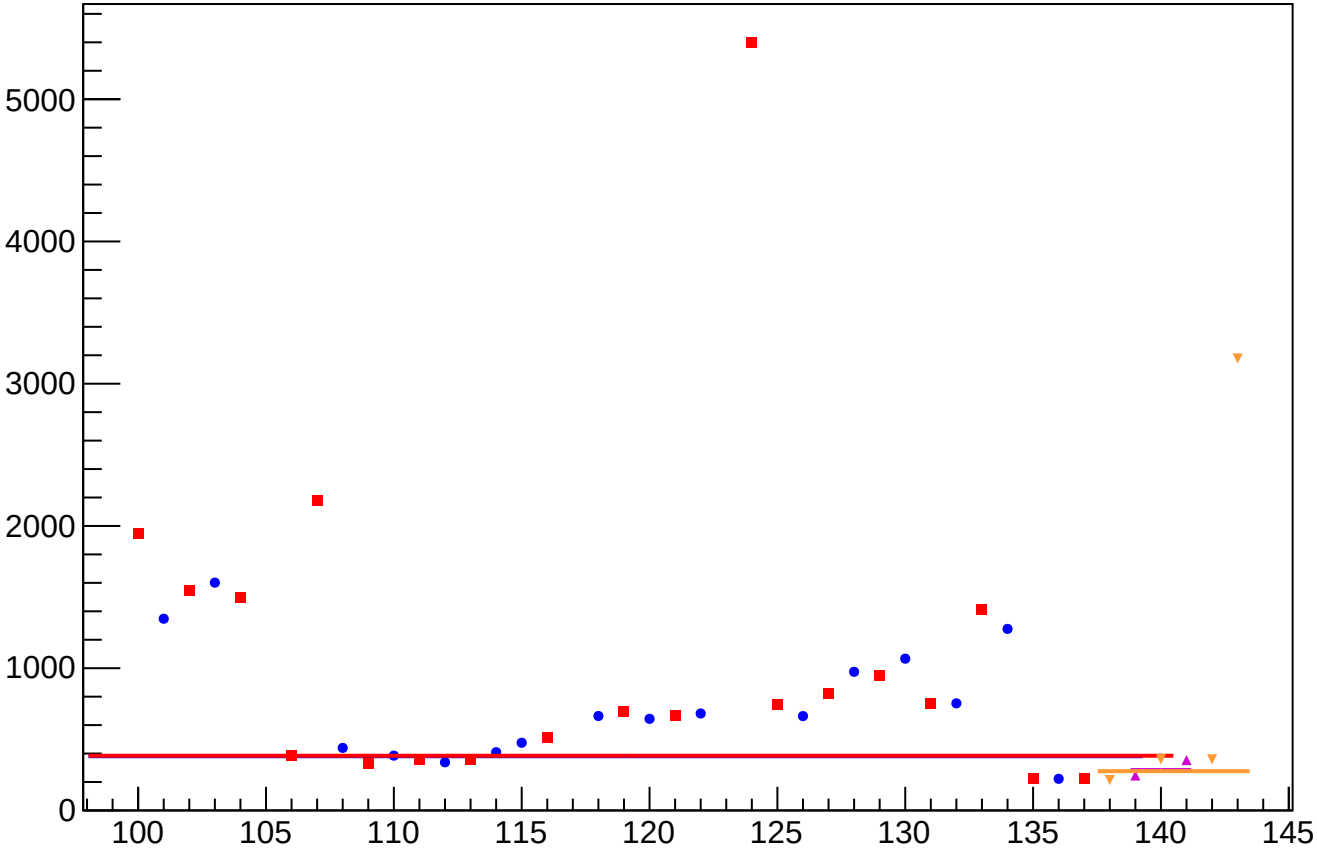
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -154.847+/-135.264 χ^2/NDF:23.8/17

Out: 195.087+/-127.536 χ^2/NDF:18.1/22

All: 30.401+/-92.793 χ^2/NDF: 45.4/40

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: 276.302+/-0.137 χ^2/NDF:1628791.9/3

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 283.821+/-0.158 χ^2/NDF:106991.7/1

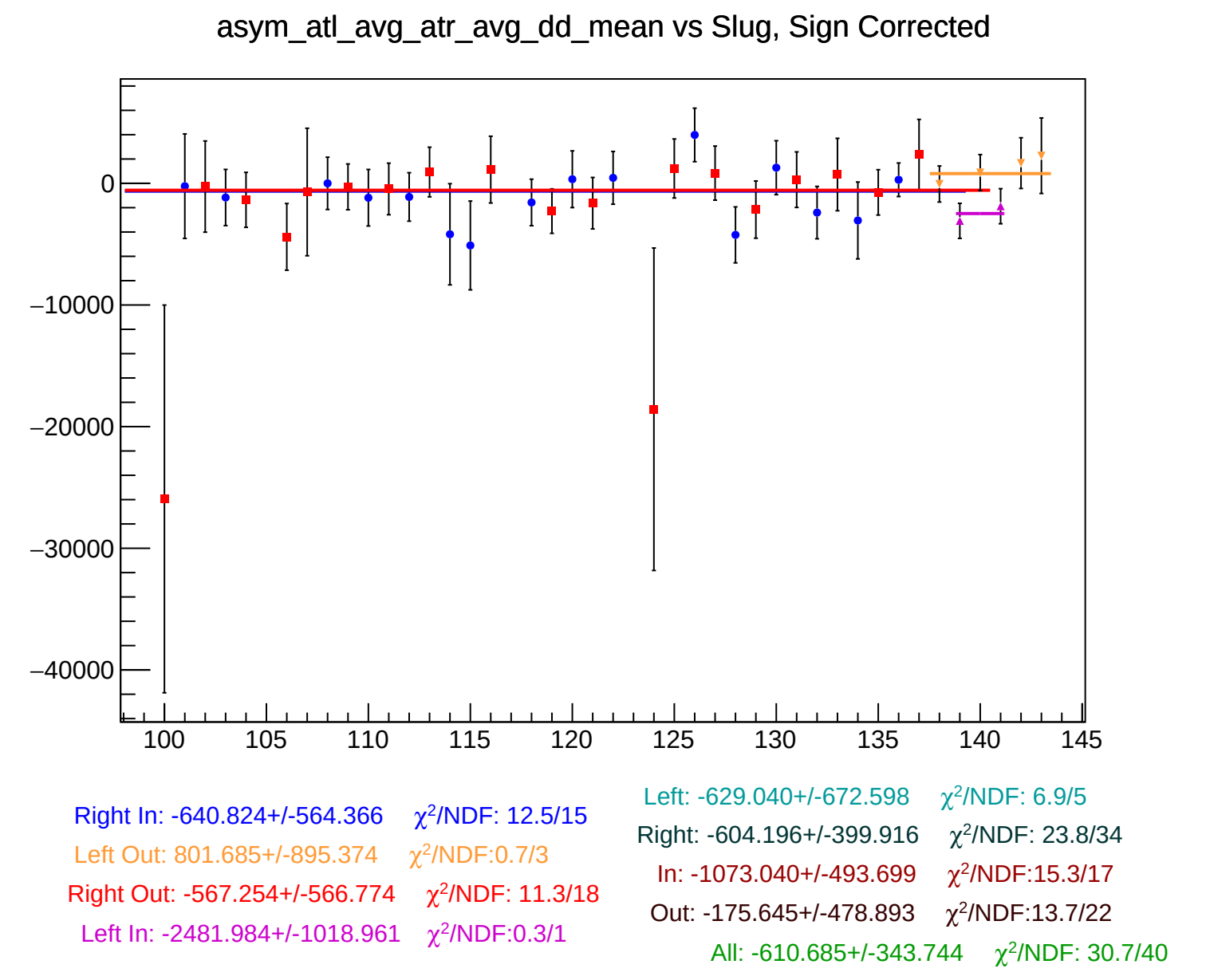
Left: 279.523+/-0.103 χ^2/NDF: 1737078.9/5

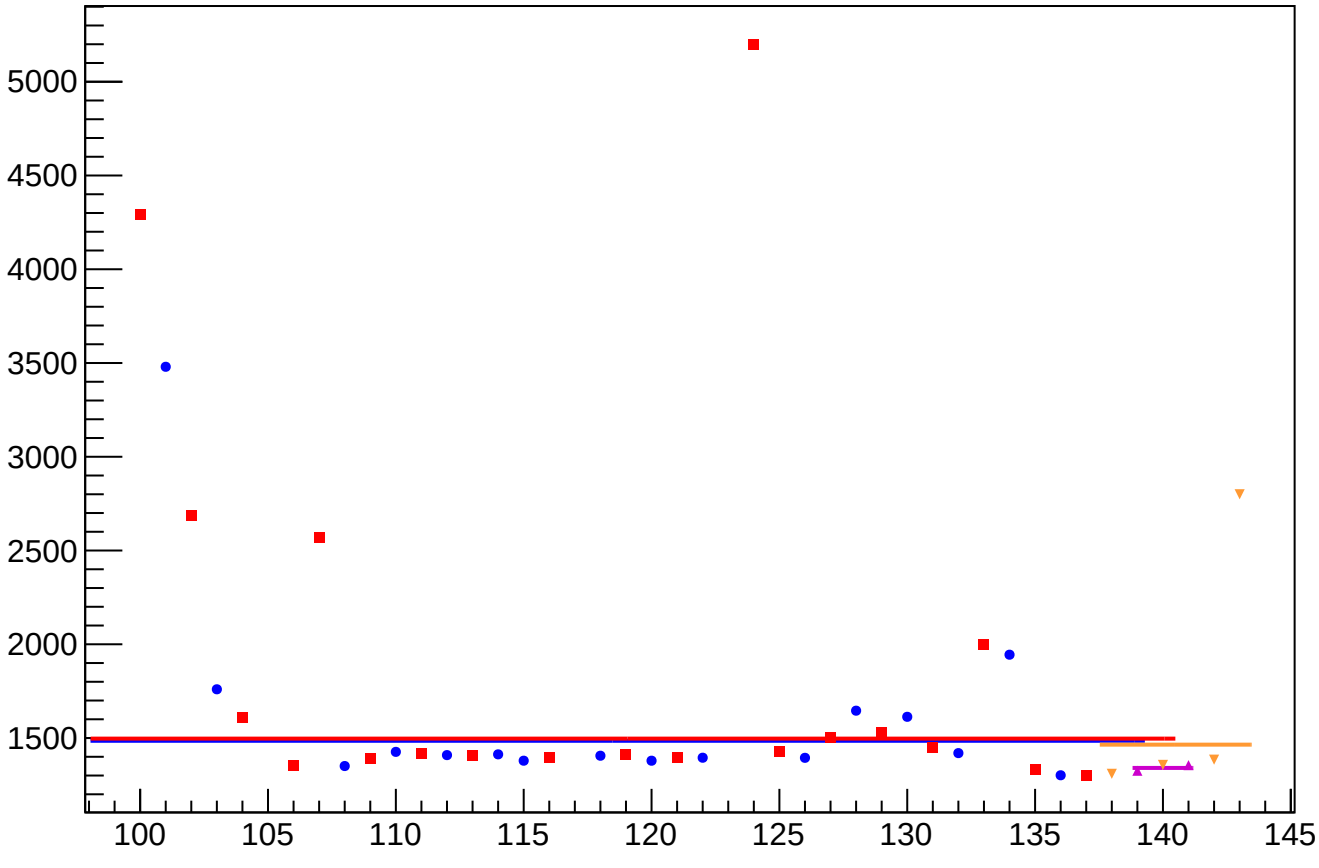
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 345.591+/-0.096 χ^2/NDF:4666244.0/17

Out: 337.527+/-0.090 χ^2/NDF:6543678.6/22

All: 341.322+/-0.066 χ^2/NDF: 11213685.6/40


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
105
110
115
120
125
130
135
140
145
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 801.685+/-895.374 χ²/NDF:0.7/3
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -2481.984+/-1018.961 χ²/NDF:0.3/1
Left: -629.040+/-672.598 χ²/NDF: 6.9/5
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -1073.040+/-493.699 χ²/NDF:15.3/17
Out: -175.645+/-478.893 χ²/NDF:13.7/22
All: -610.685+/-343.744 χ²/NDF: 30.7/40



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1464.721+/-0.633 χ^2/NDF:405999.0/3

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1340.532+/-0.721 χ^2/NDF:427.7/1

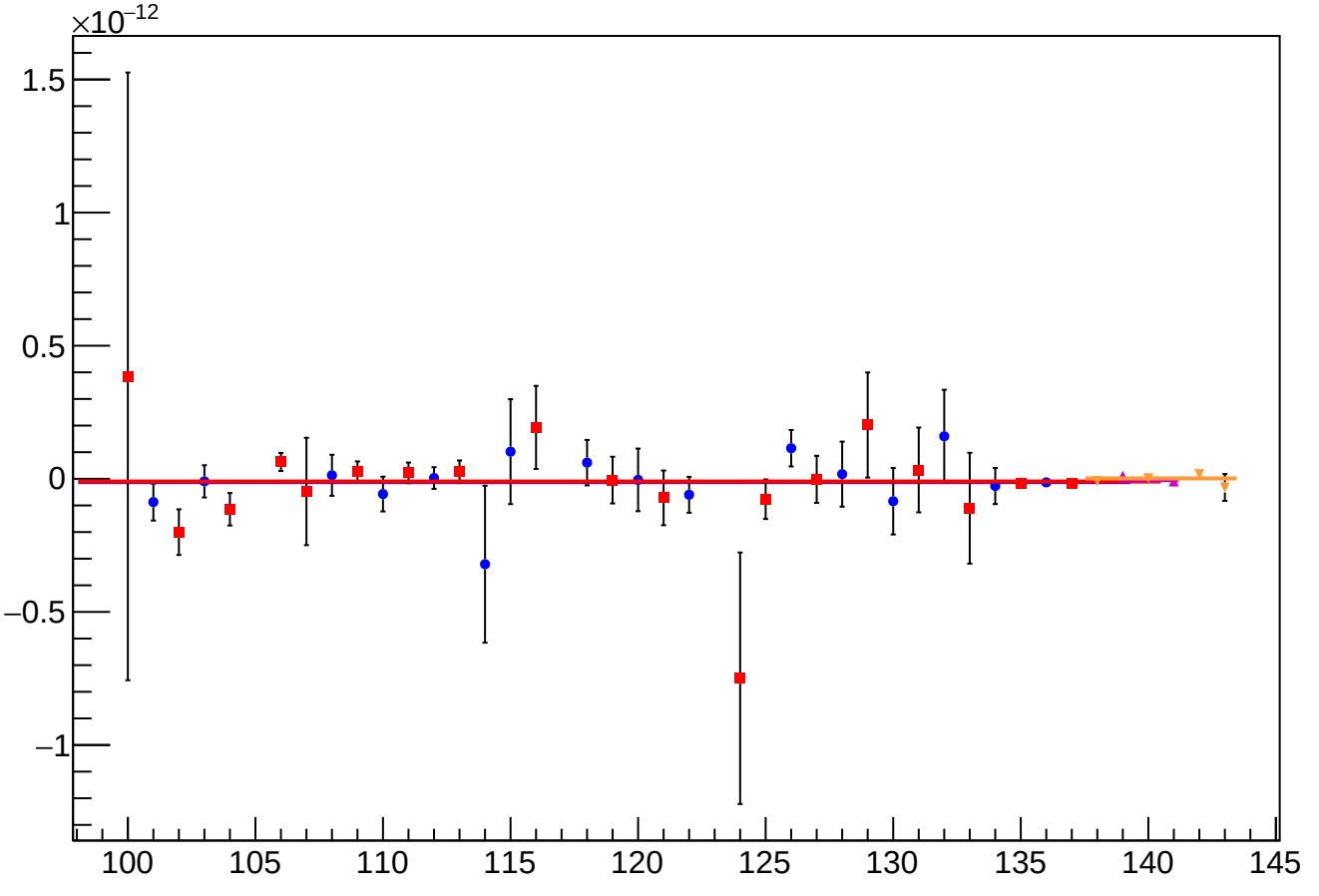
Left: 1410.611+/-0.476 χ^2/NDF: 423190.9/5

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1451.369+/-0.349 χ^2/NDF:615820.8/17

Out: 1487.670+/-0.339 χ^2/NDF:1031132.0/22

All: 1470.072+/-0.243 χ^2/NDF: 1652523.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/1

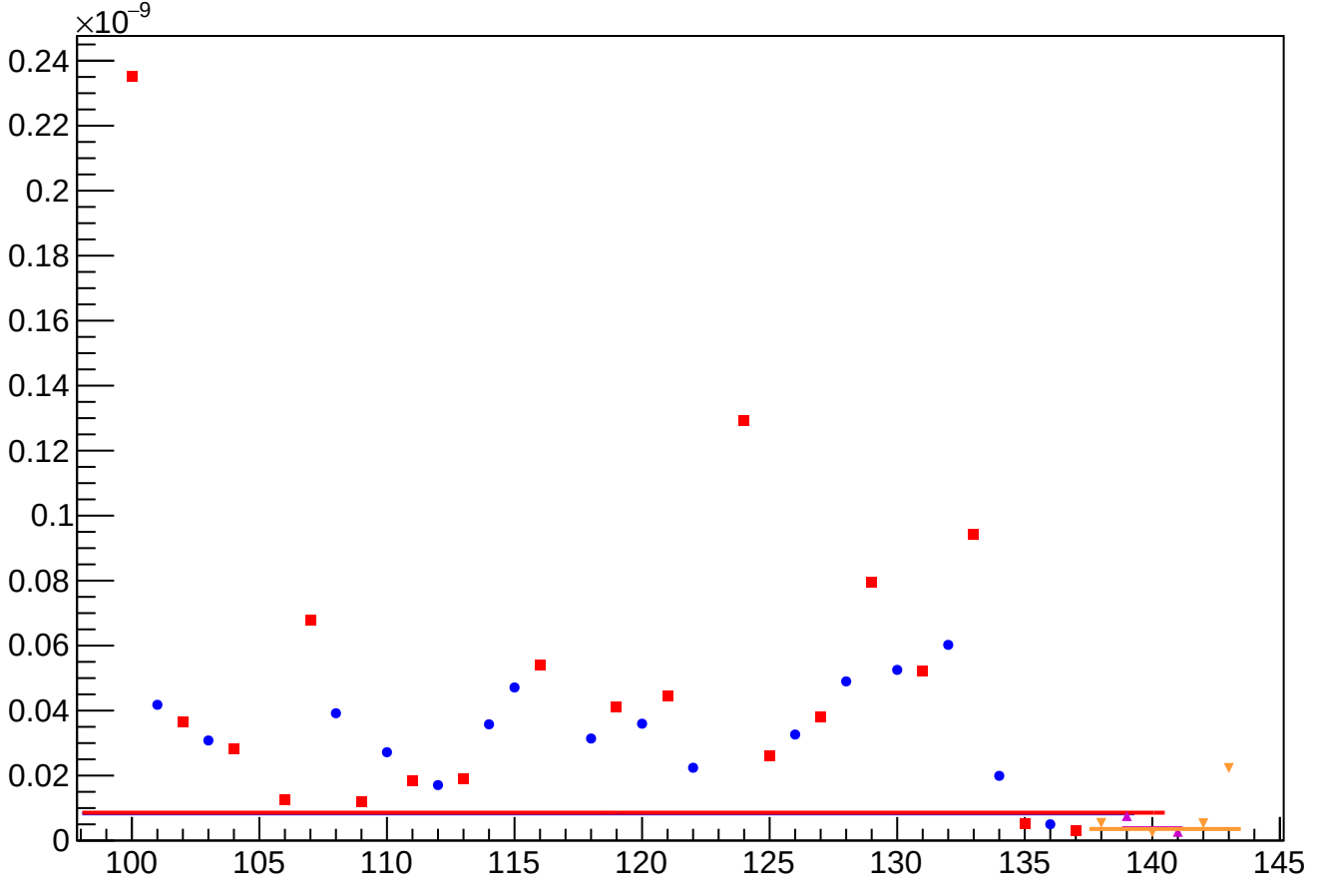
Left: -0.000+/-0.000 χ^2/NDF: 7.6/5

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:27.7/22

All: -0.000+/-0.000 χ^2/NDF: 42.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:510118.6/3

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: 828250.7/5

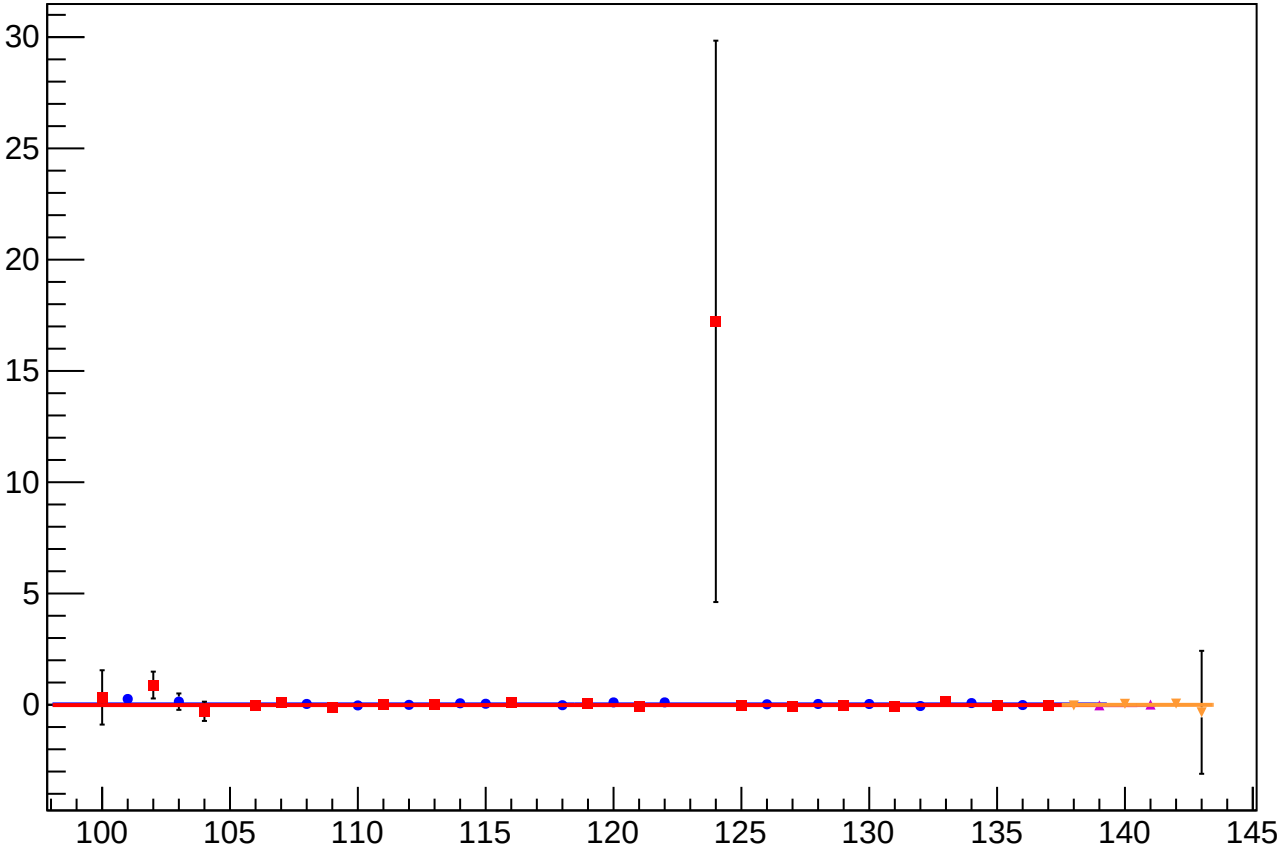
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3882672.1/17

Out: 0.000+/-0.000 χ^2/NDF:4485555.7/22

All: 0.000+/-0.000 χ^2/NDF: 8404518.4/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

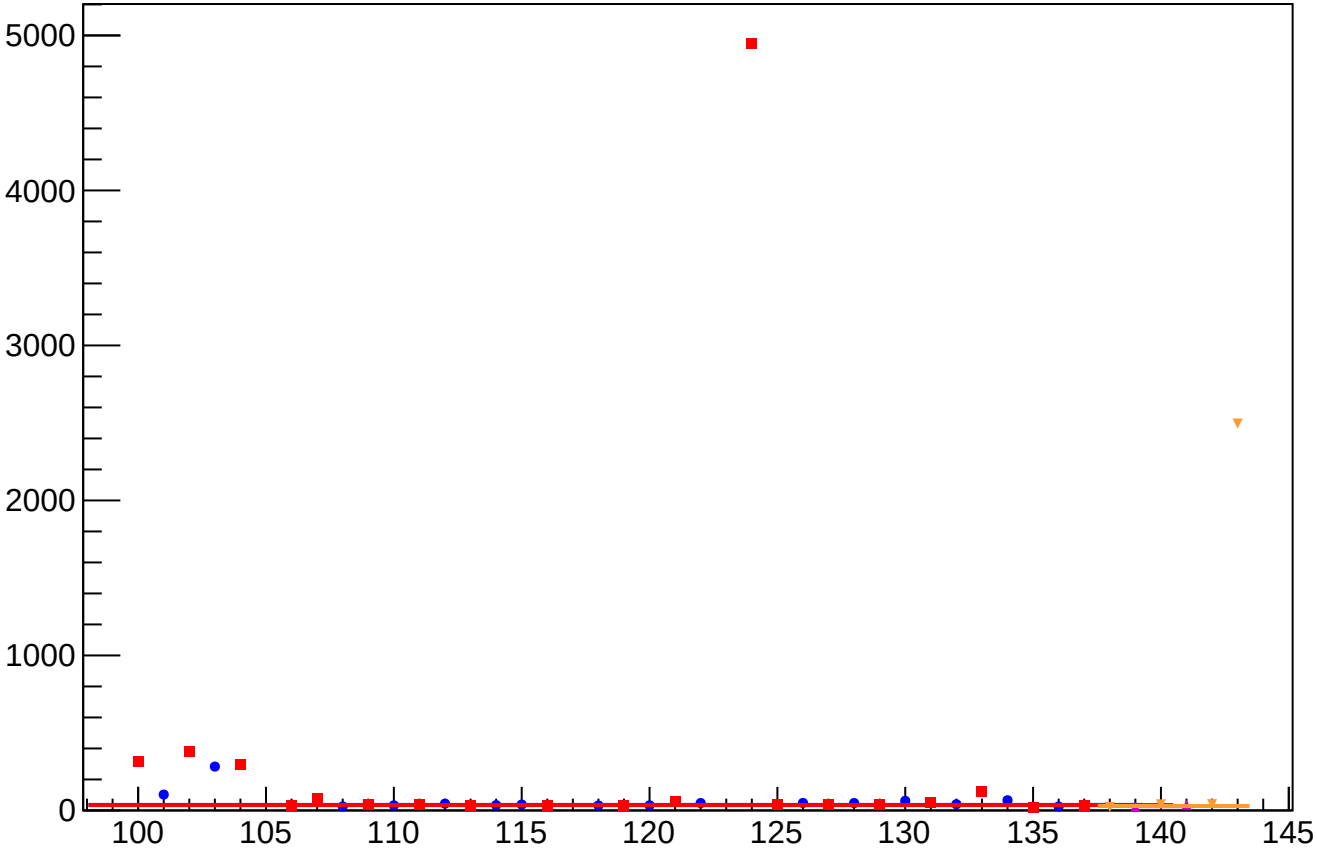
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867797.3/3

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: 28.315+/-0.012 χ^2/NDF: 2006827.1/5

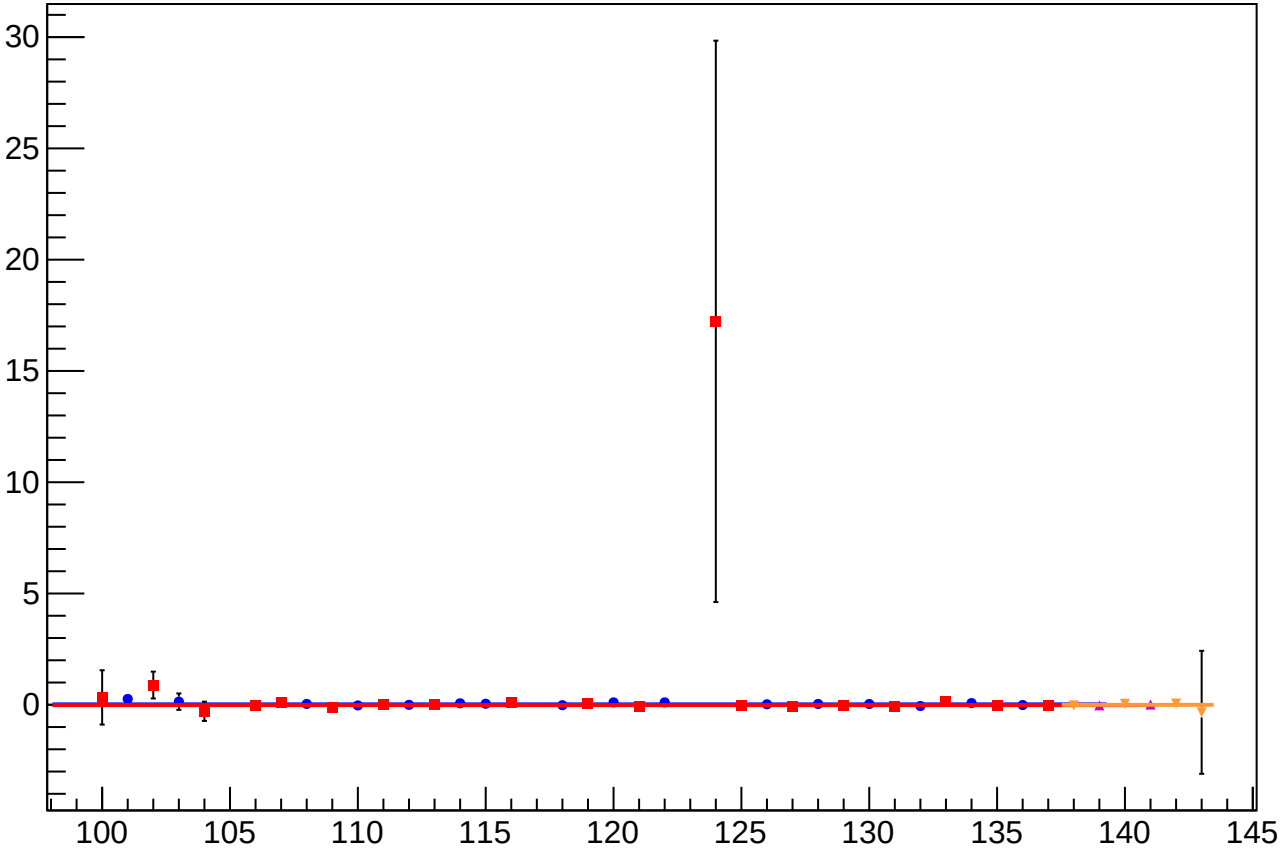
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

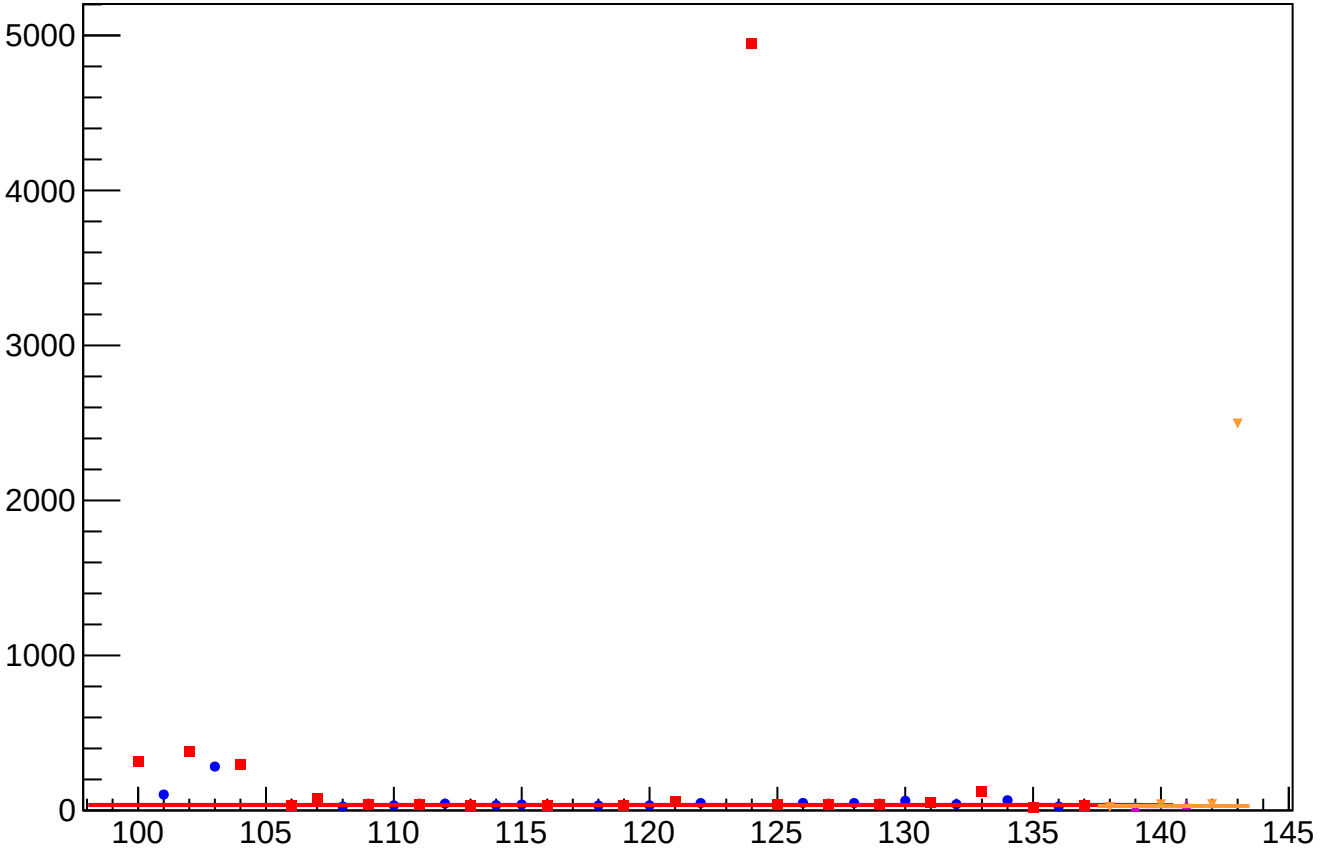
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

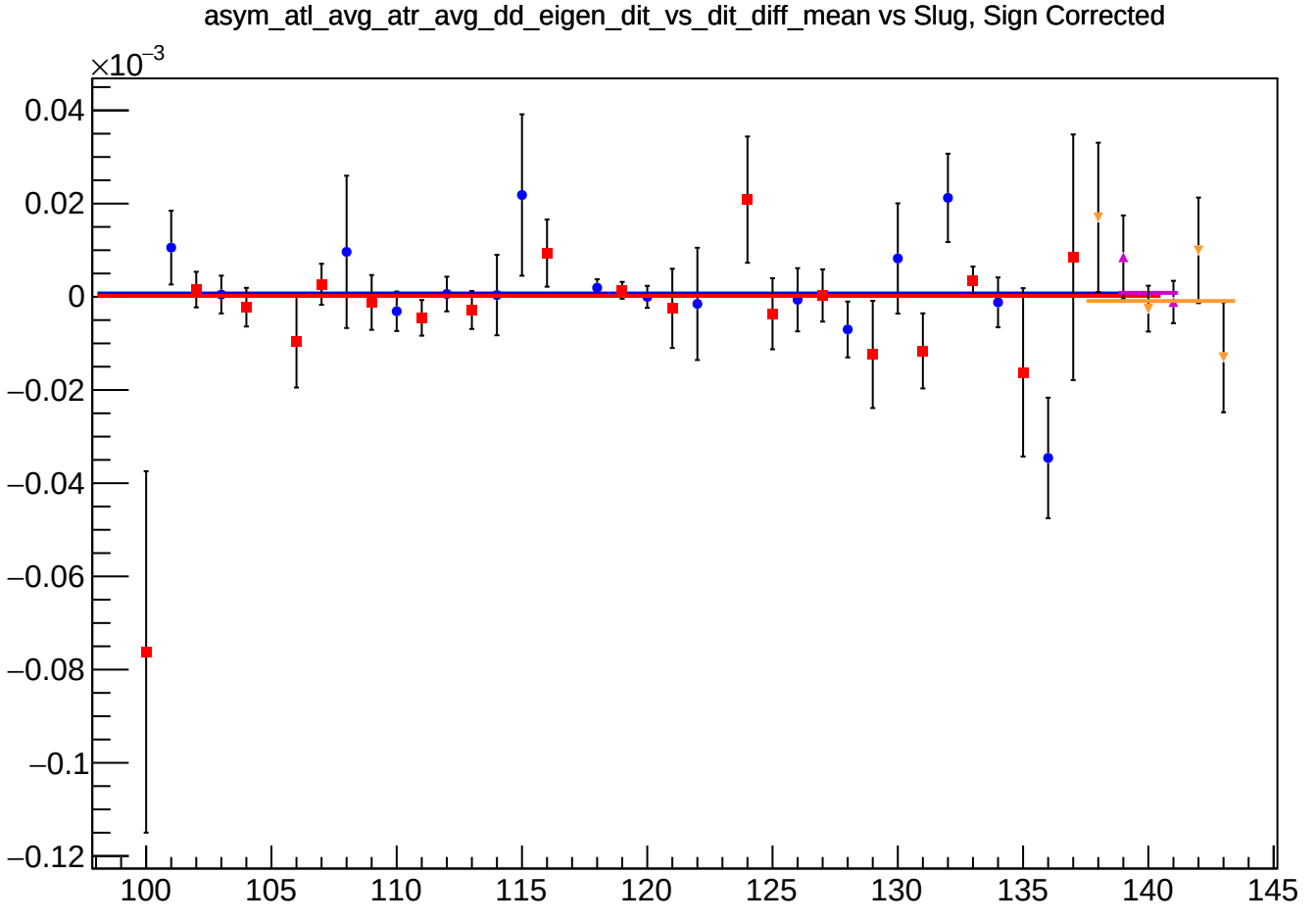
Left: 28.315+/-0.012 χ^2/NDF: 2006827.1/5

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

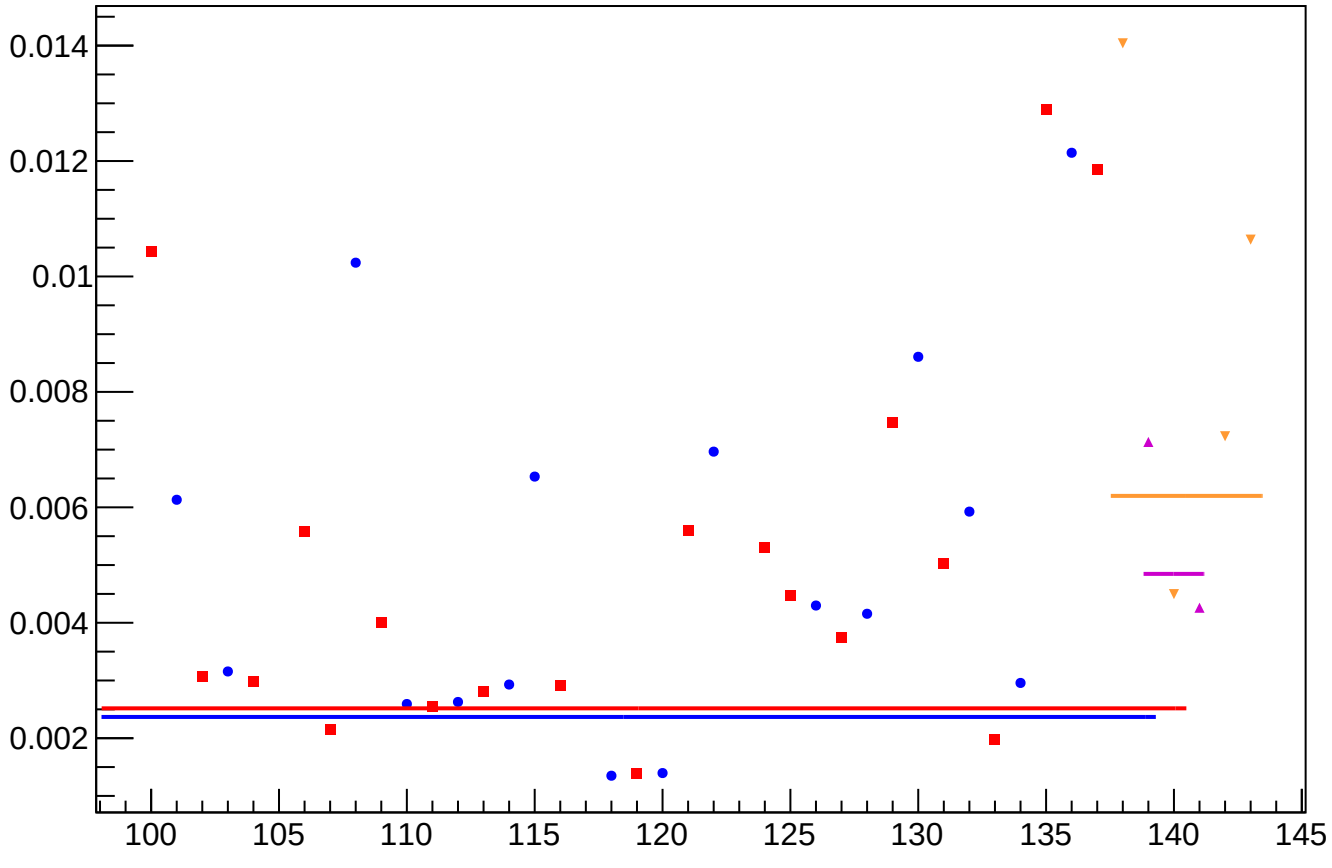
Left: -0.000+/-0.000 χ^2/NDF: 4.3/5

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:21.5/22

All: 0.000+/-0.000 χ^2/NDF: 41.6/40



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1017359.5/3

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: 0.006+/-0.000 χ^2/NDF: 1291056.3/5

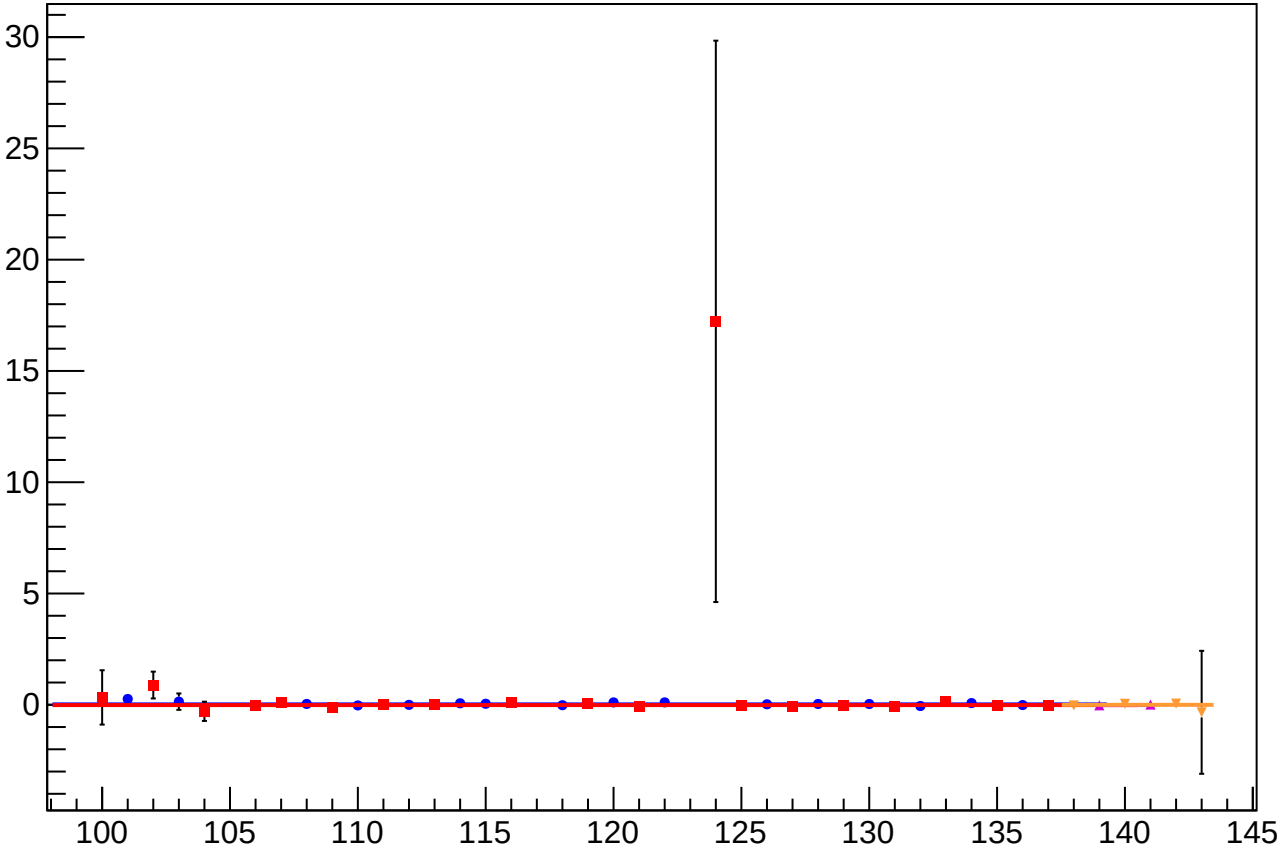
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:5580762.7/17

Out: 0.003+/-0.000 χ^2/NDF:5942351.8/22

All: 0.003+/-0.000 χ^2/NDF: 11564096.1/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

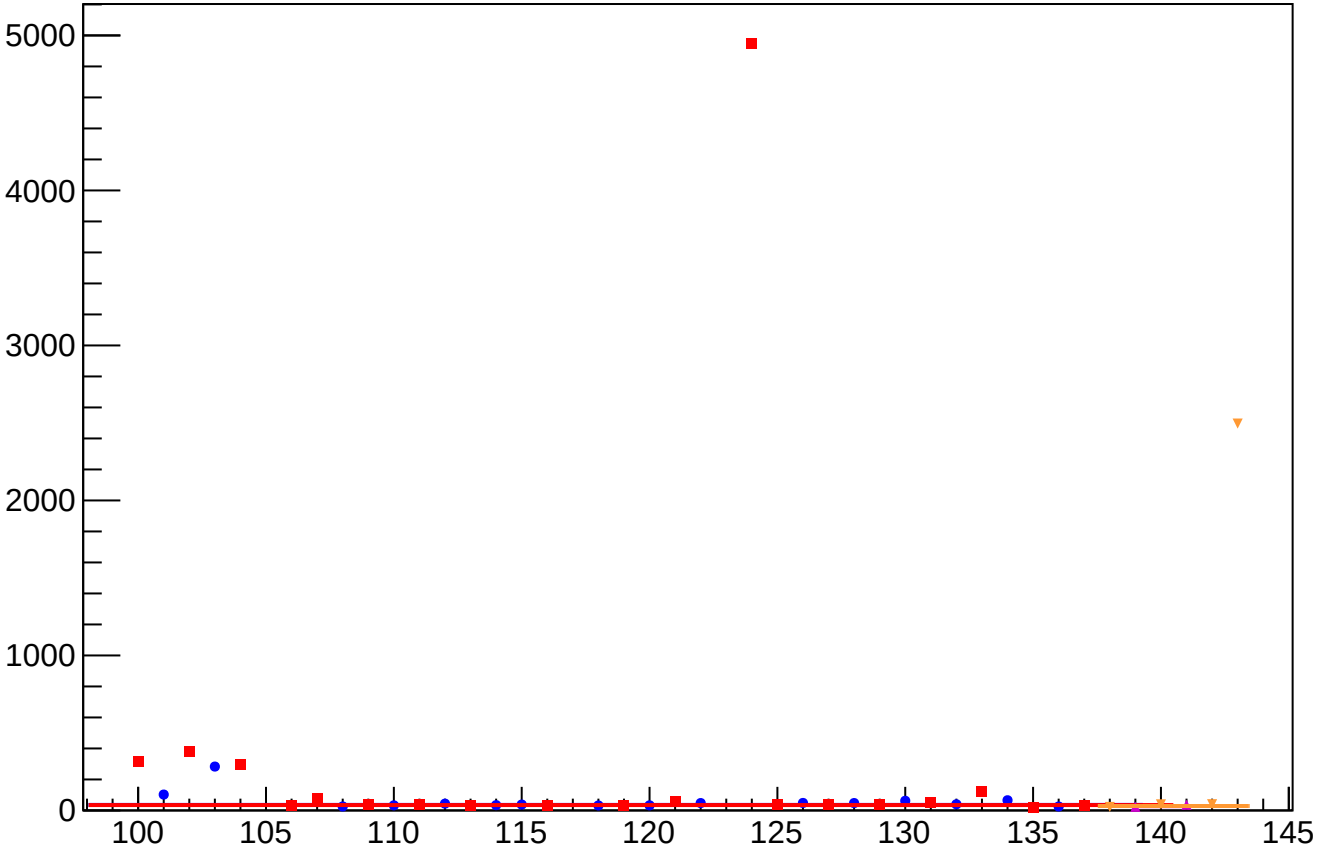
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

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: 28.313+/-0.012 χ^2/NDF: 2007177.0/5

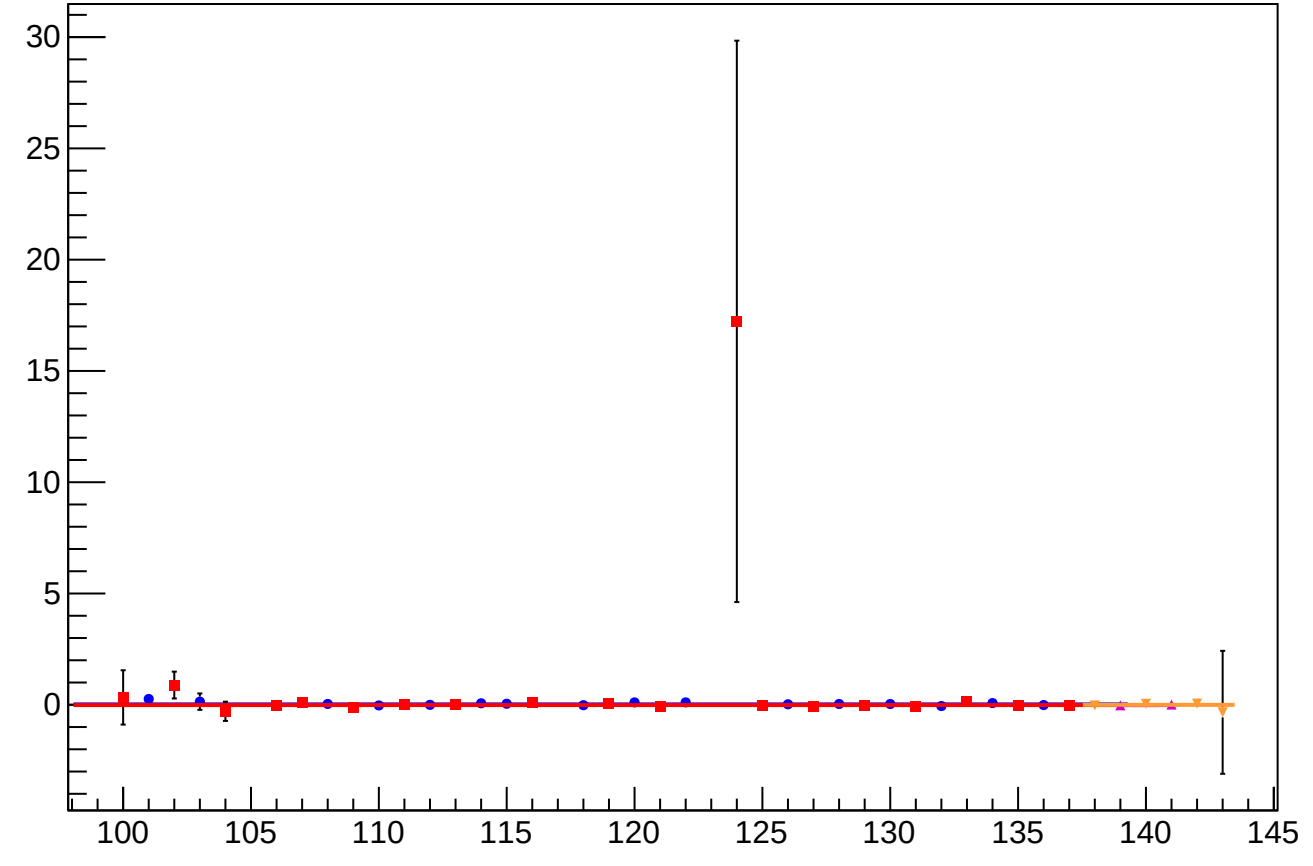
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

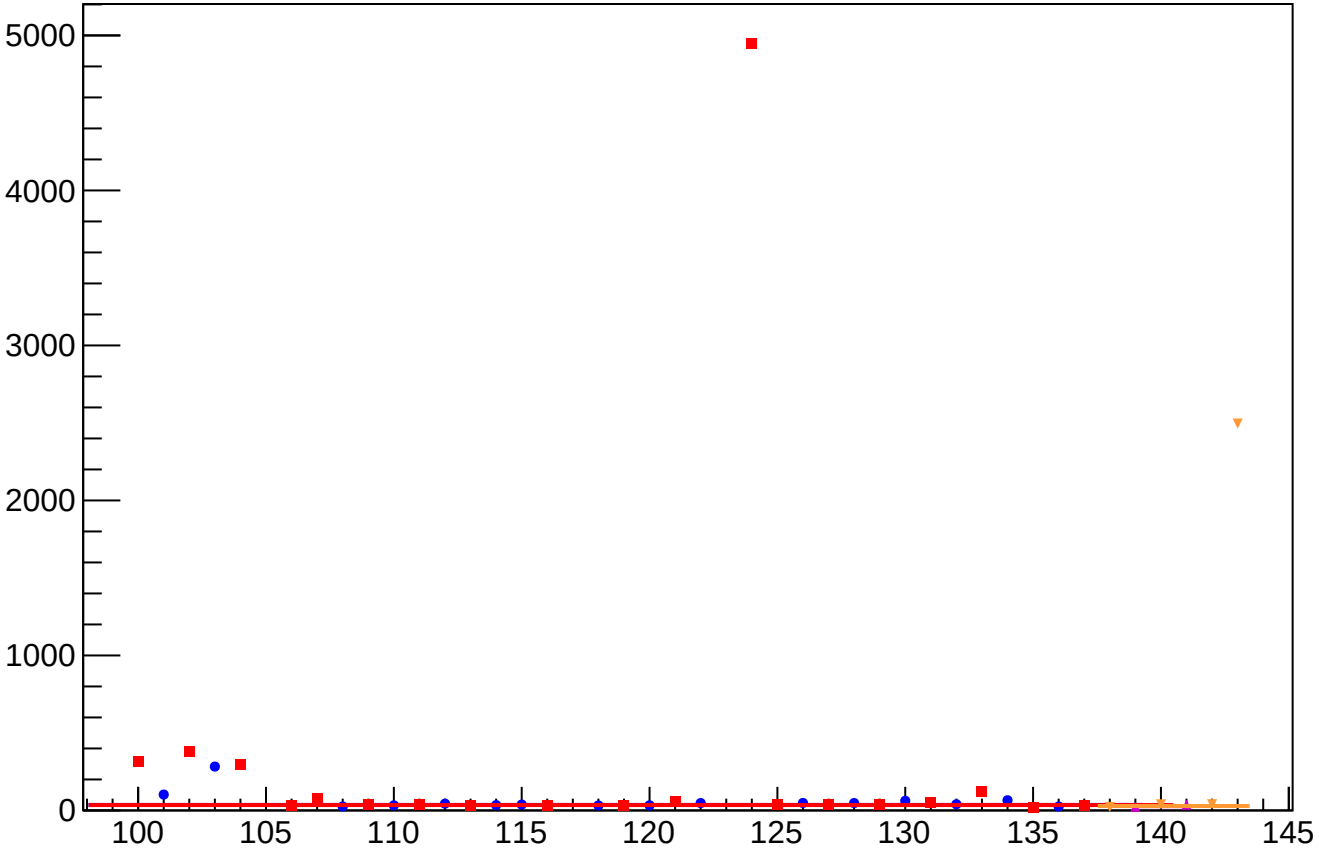
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

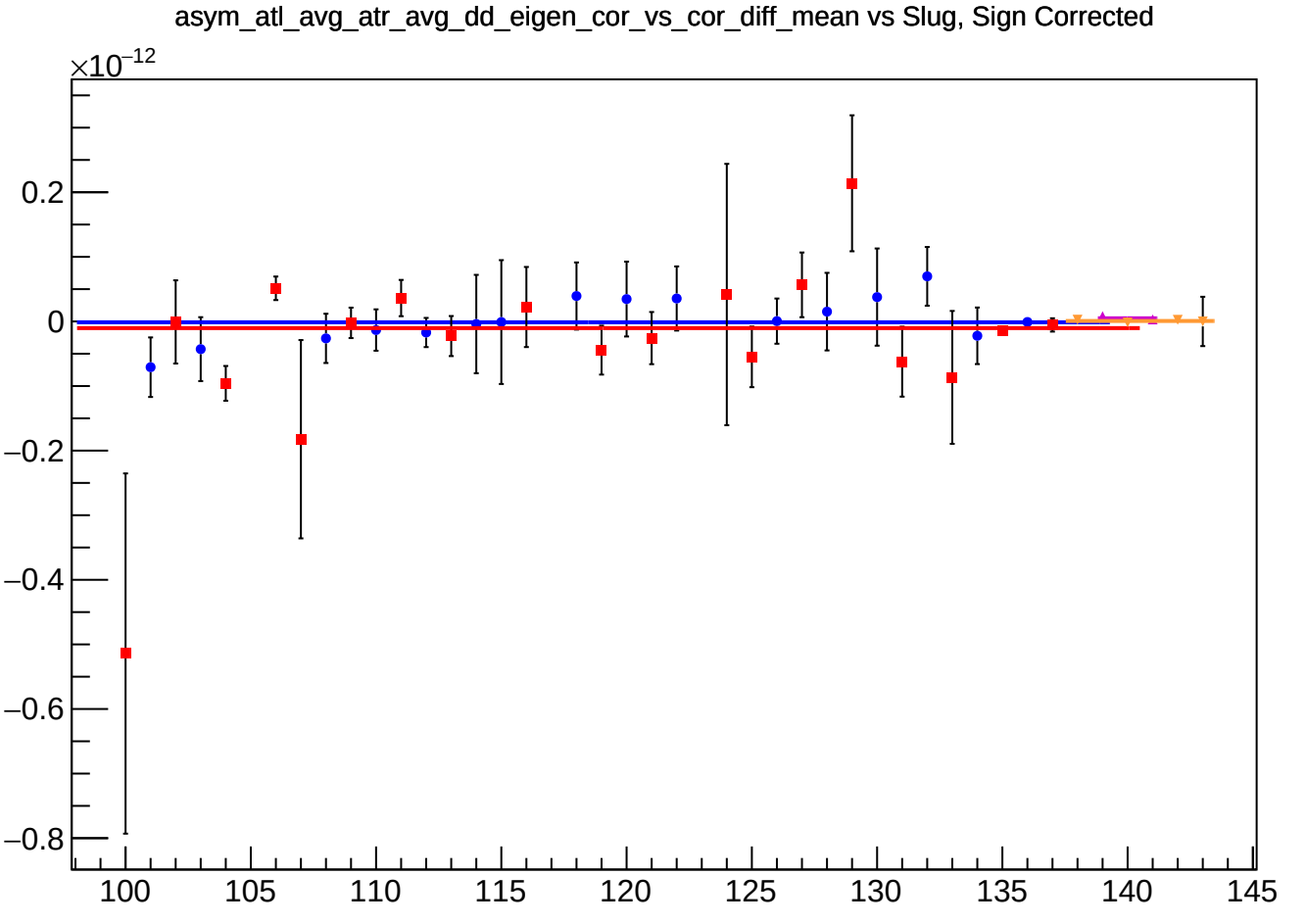
Left: 28.313+/-0.012 χ^2/NDF: 2007177.0/5

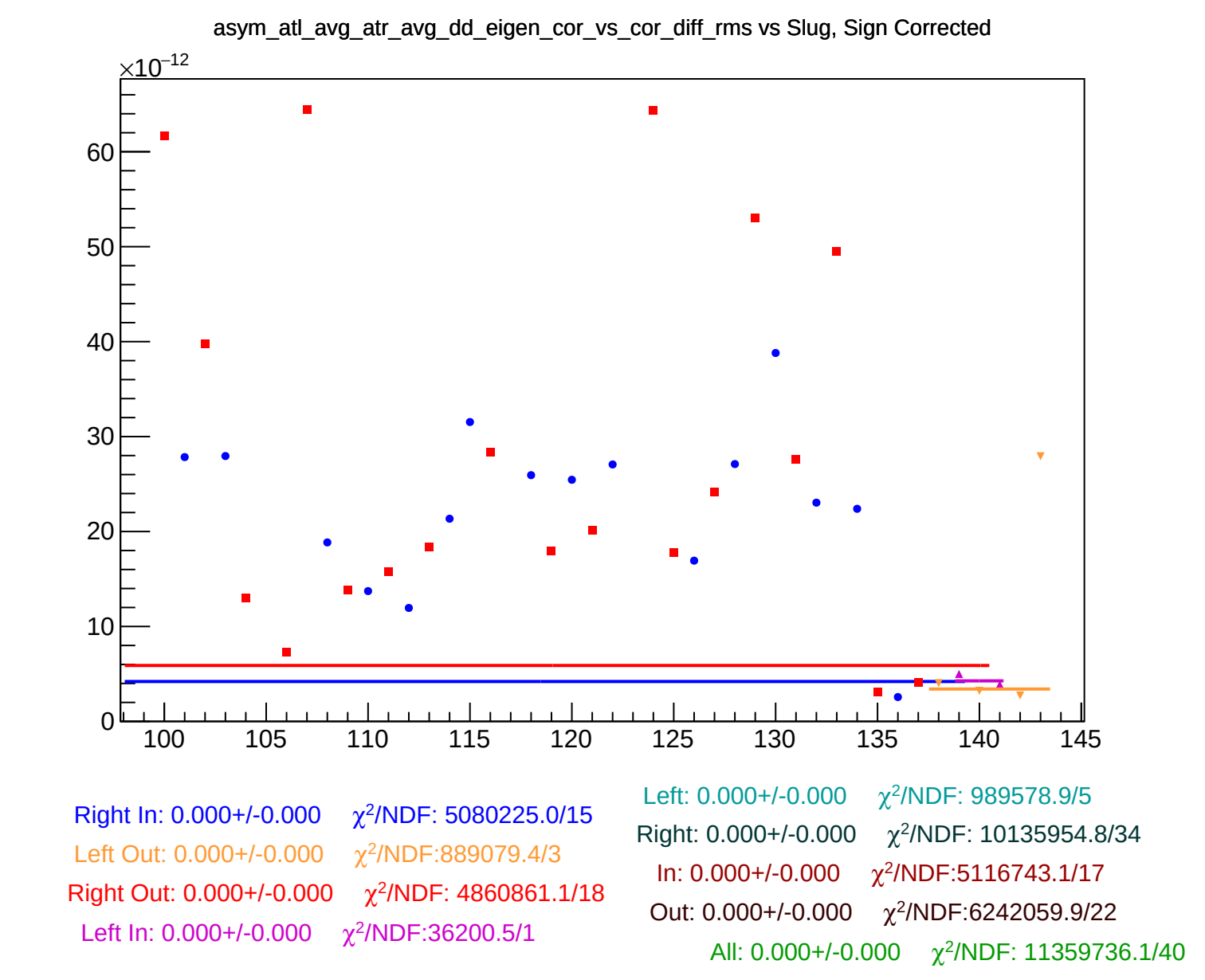
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

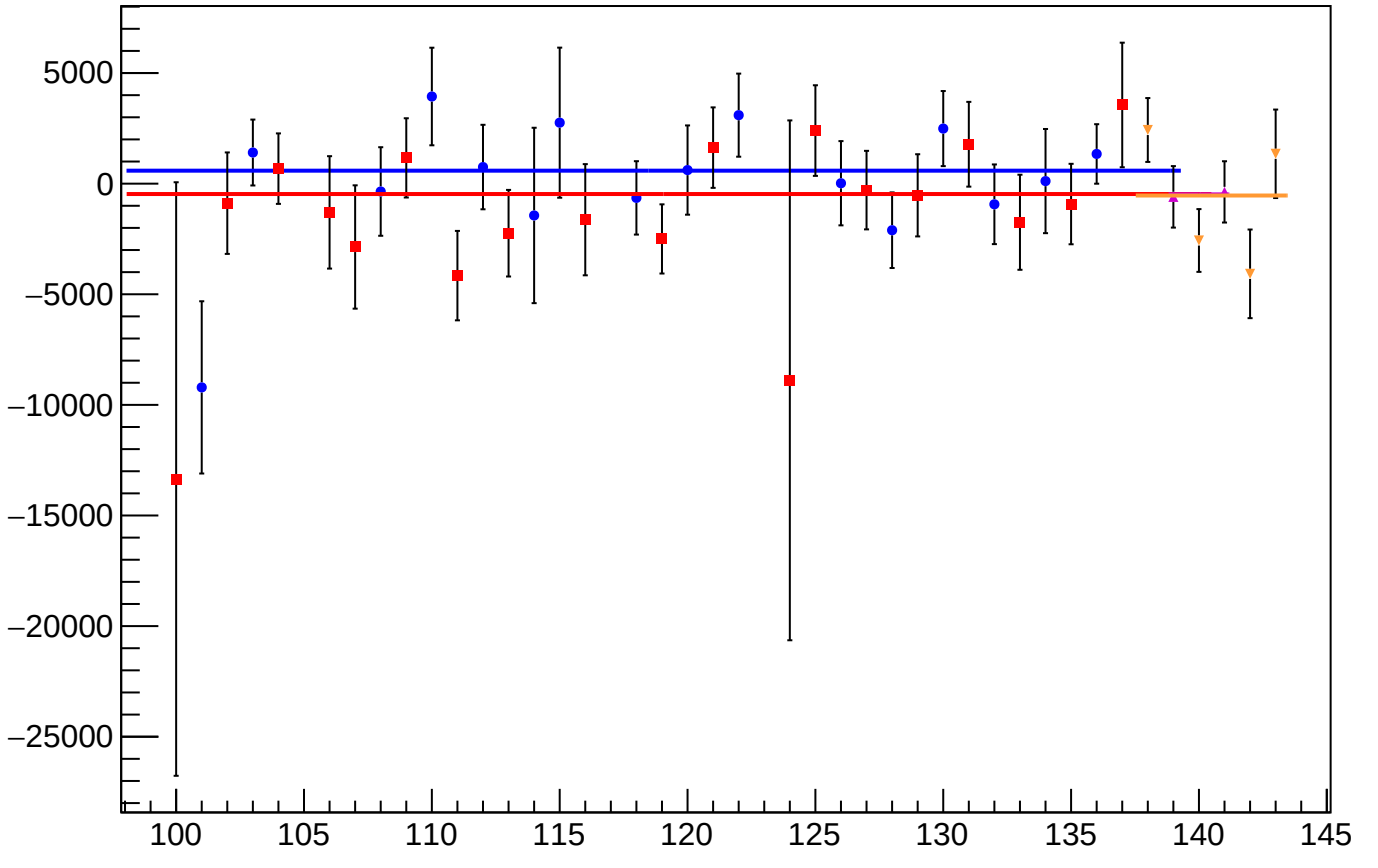
In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40


asym_atl_avg_atr_avg_dd_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
145
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.6/3
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: 1.7/5
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:45.3/22
All: -0.000+/-0.000 χ²/NDF: 57.0/40


asym_atl_avg_atr_avg_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
145
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889079.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:36200.5/1
Left: 0.000+/-0.000 χ²/NDF: 989578.9/5
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5116743.1/17
Out: 0.000+/-0.000 χ²/NDF:6242059.9/22
All: 0.000+/-0.000 χ²/NDF: 11359736.1/40



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -535.888+/-823.157 χ^2/NDF:10.3/3

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -483.916+/-981.051 χ^2/NDF:0.0/1

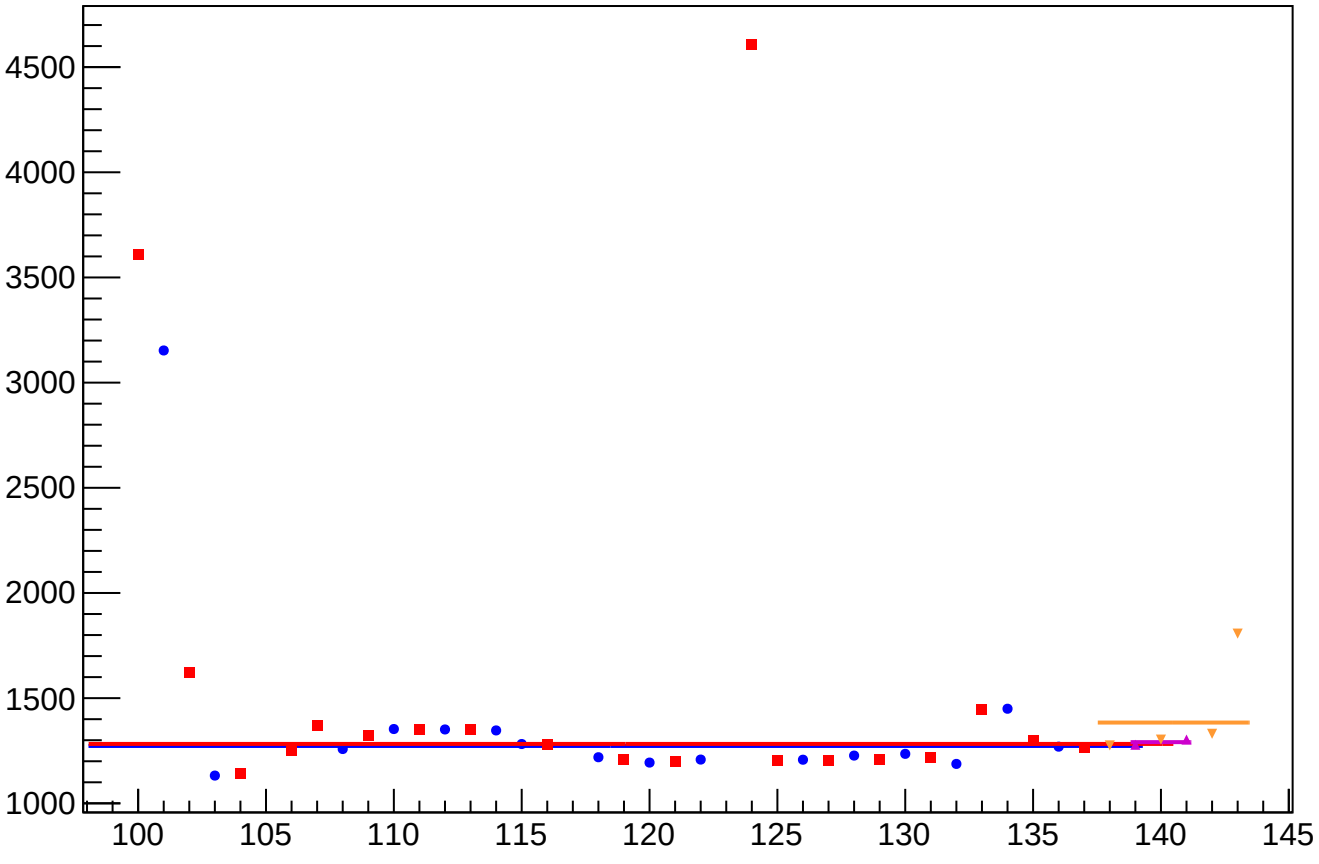
Left: -514.416+/-630.588 χ^2/NDF: 10.3/5

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 378.407+/-432.921 χ^2/NDF:18.0/17

Out: -486.009+/-414.985 χ^2/NDF:27.1/22

All: -72.078+/-299.579 χ^2/NDF: 47.3/40



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

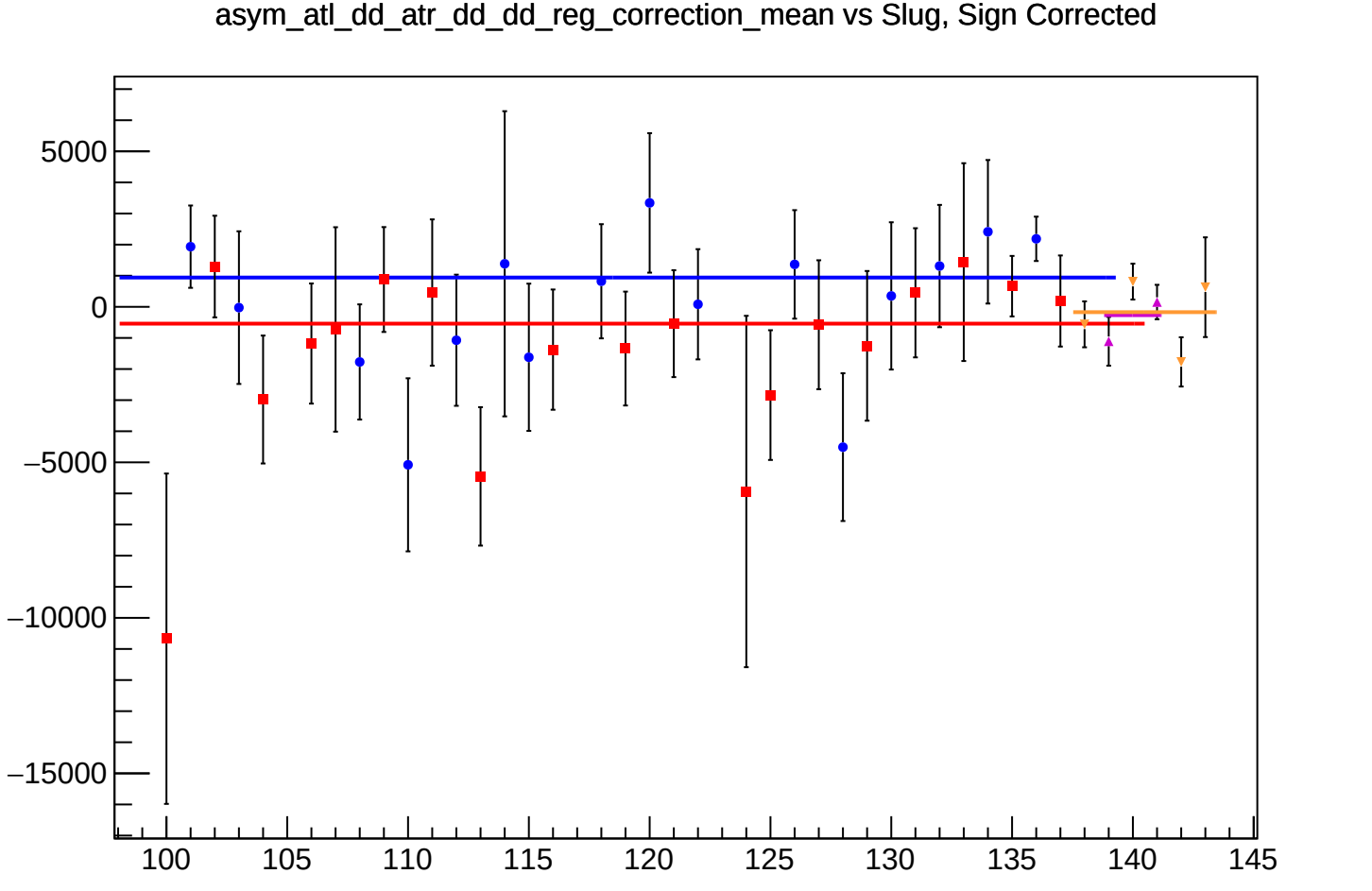
Left: 1345.528+/-0.446 χ^2/NDF: 119551.5/5

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1276.328+/-0.306 χ^2/NDF:520163.0/17

Out: 1308.192+/-0.293 χ^2/NDF:453481.2/22

All: 1292.934+/-0.212 χ^2/NDF: 979290.6/40



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -171.429+/-382.665 χ^2/NDF:7.5/3

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: -211.191+/-292.204 χ^2/NDF: 9.3/5

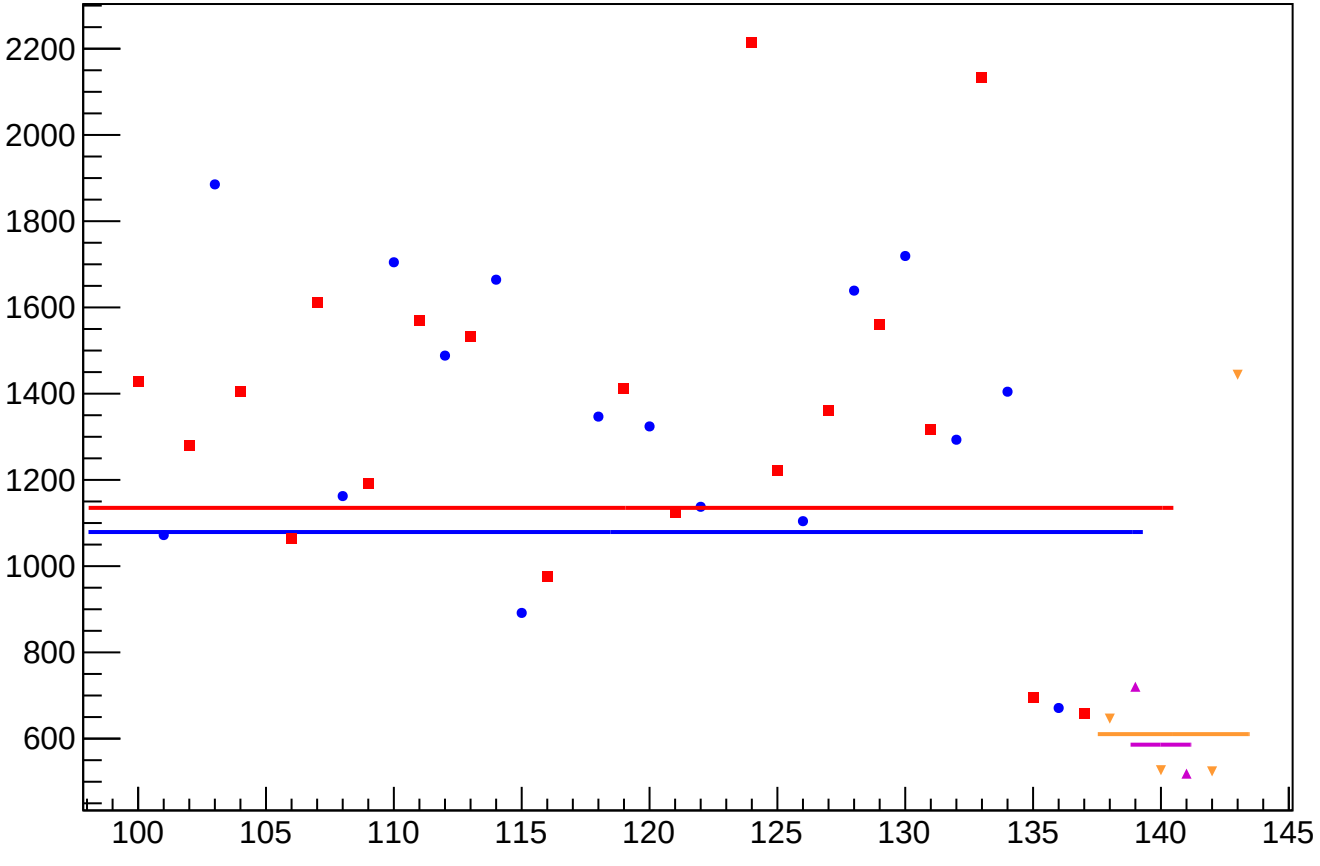
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 374.197+/-310.125 χ^2/NDF:25.4/17

Out: -330.459+/-288.716 χ^2/NDF:25.1/22

All: -3.291+/-211.317 χ^2/NDF: 53.3/40

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: 610.439+/-0.271 χ^2/NDF:611061.6/3

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.978+/-0.320 χ^2/NDF:88146.9/1

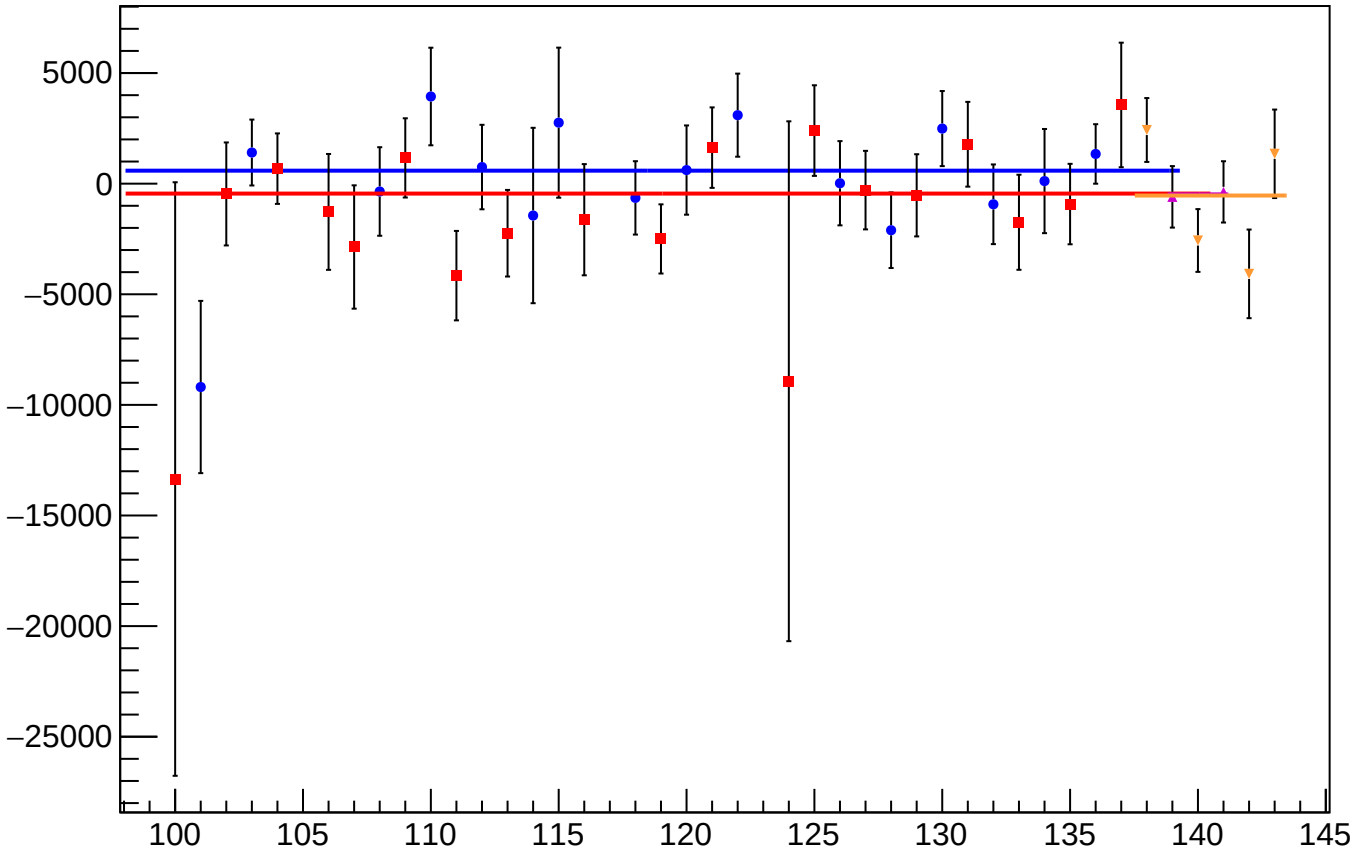
Left: 600.241+/-0.207 χ^2/NDF: 702615.4/5

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 847.531+/-0.219 χ^2/NDF:2829975.1/17

Out: 836.462+/-0.204 χ^2/NDF:3523996.5/22

All: 841.601+/-0.149 χ^2/NDF: 6355336.7/40



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

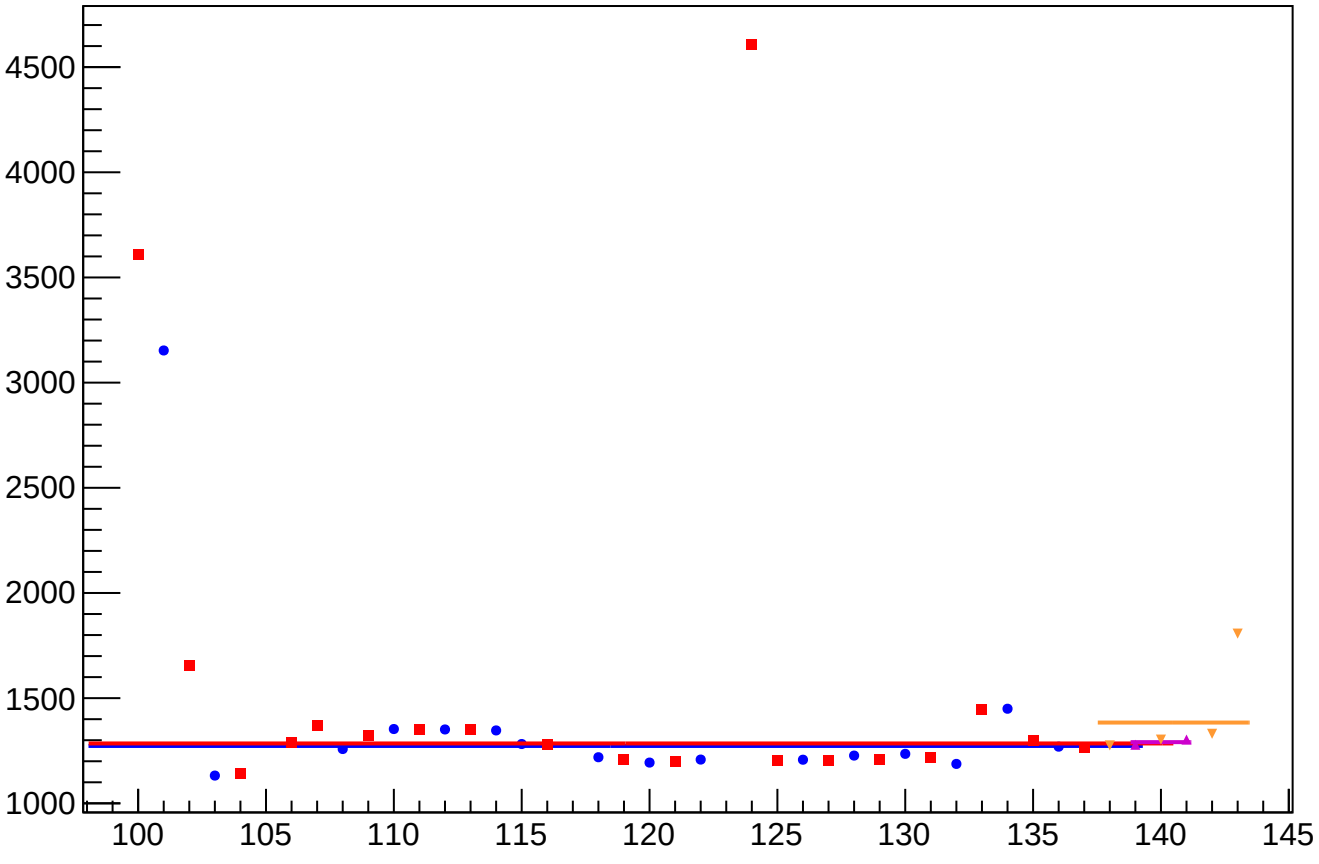
Left: -514.465+/-630.588 χ^2/NDF: 10.3/5

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -63.451+/-299.776 χ^2/NDF: 47.1/40



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

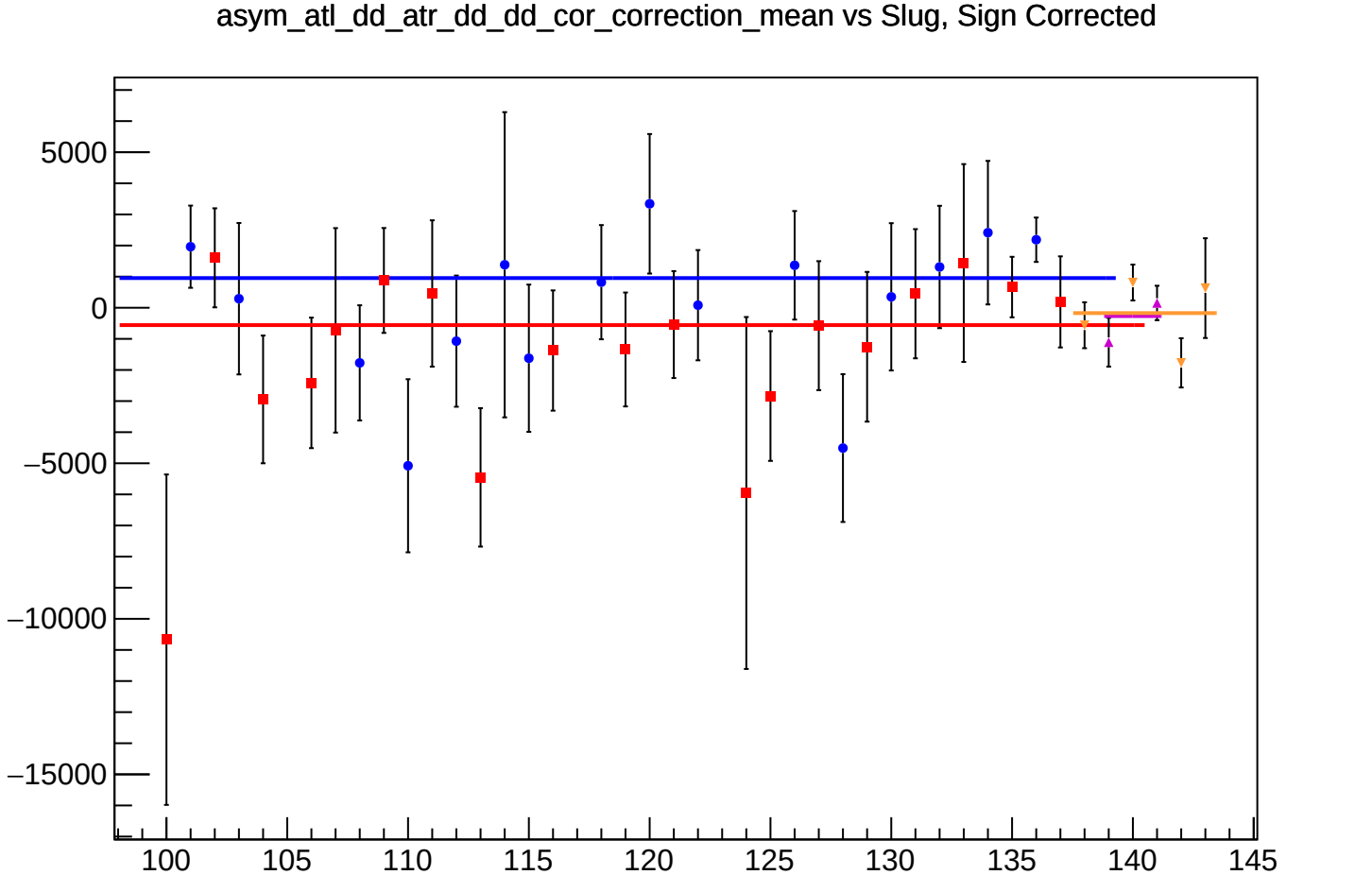
Left: 1345.528+/-0.446 χ^2/NDF: 119551.5/5

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

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: -211.229+/-292.206 χ^2/NDF: 9.3/5

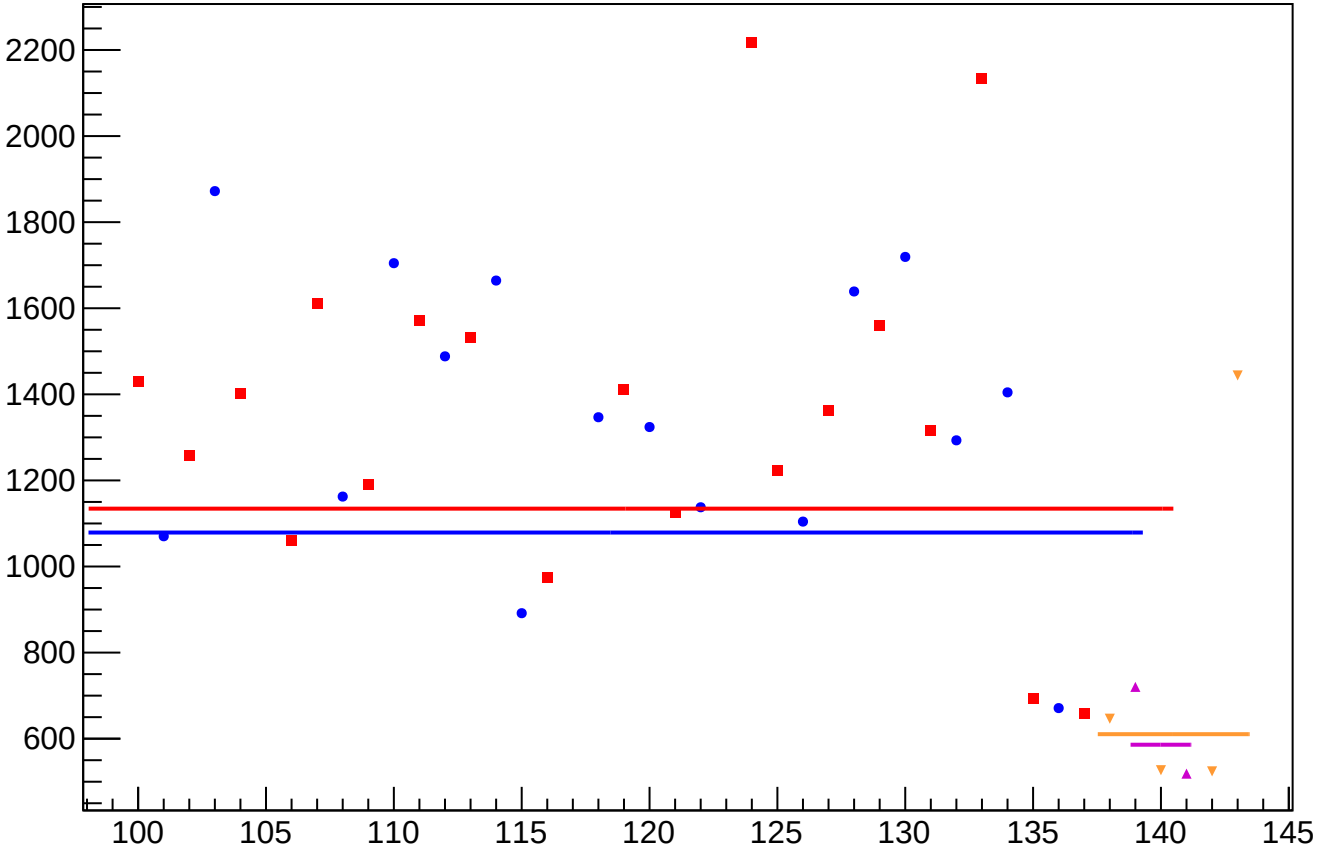
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -3.564+/-211.390 χ^2/NDF: 54.7/40

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

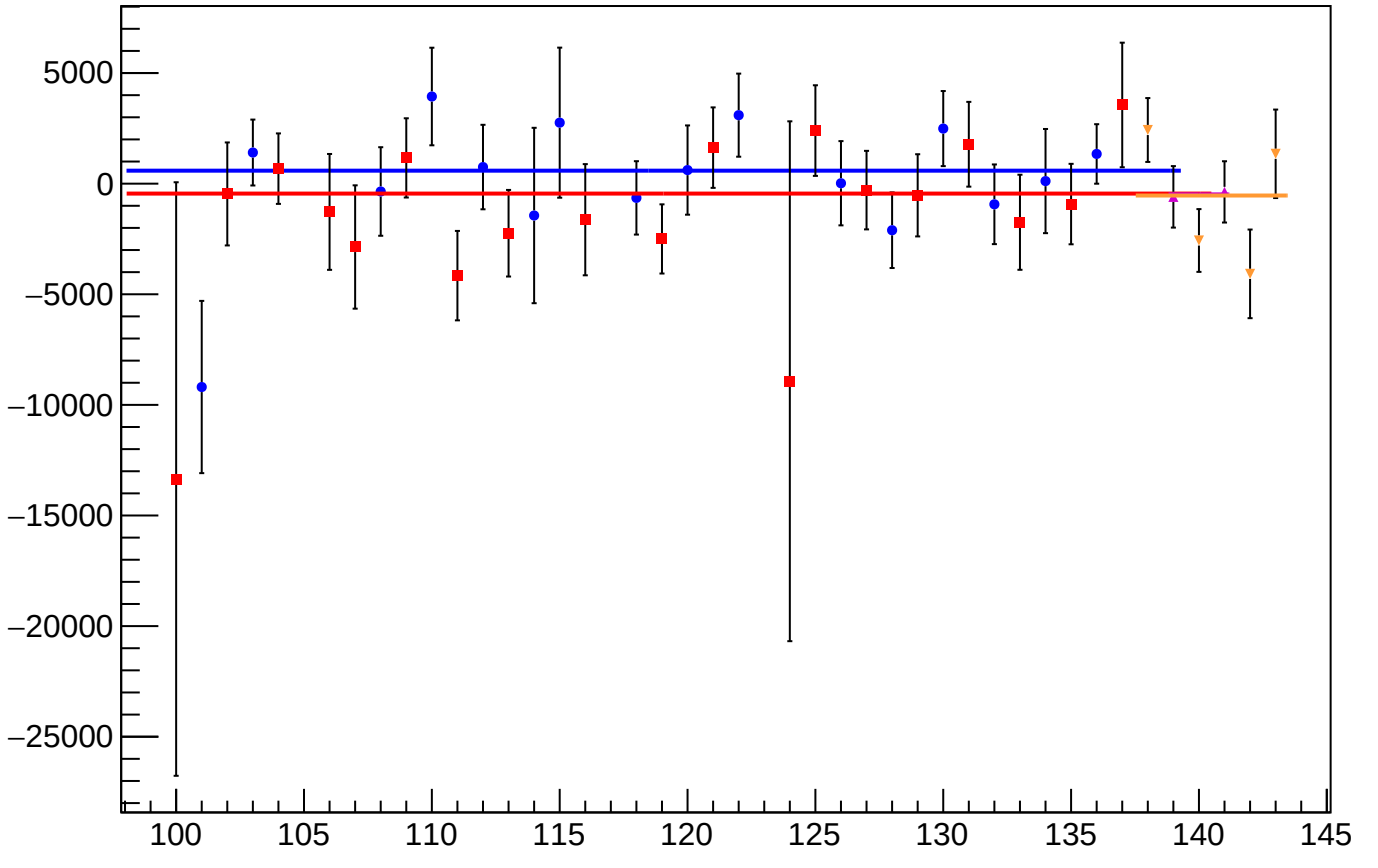
Left: 600.246+/-0.207 χ^2/NDF: 702588.6/5

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

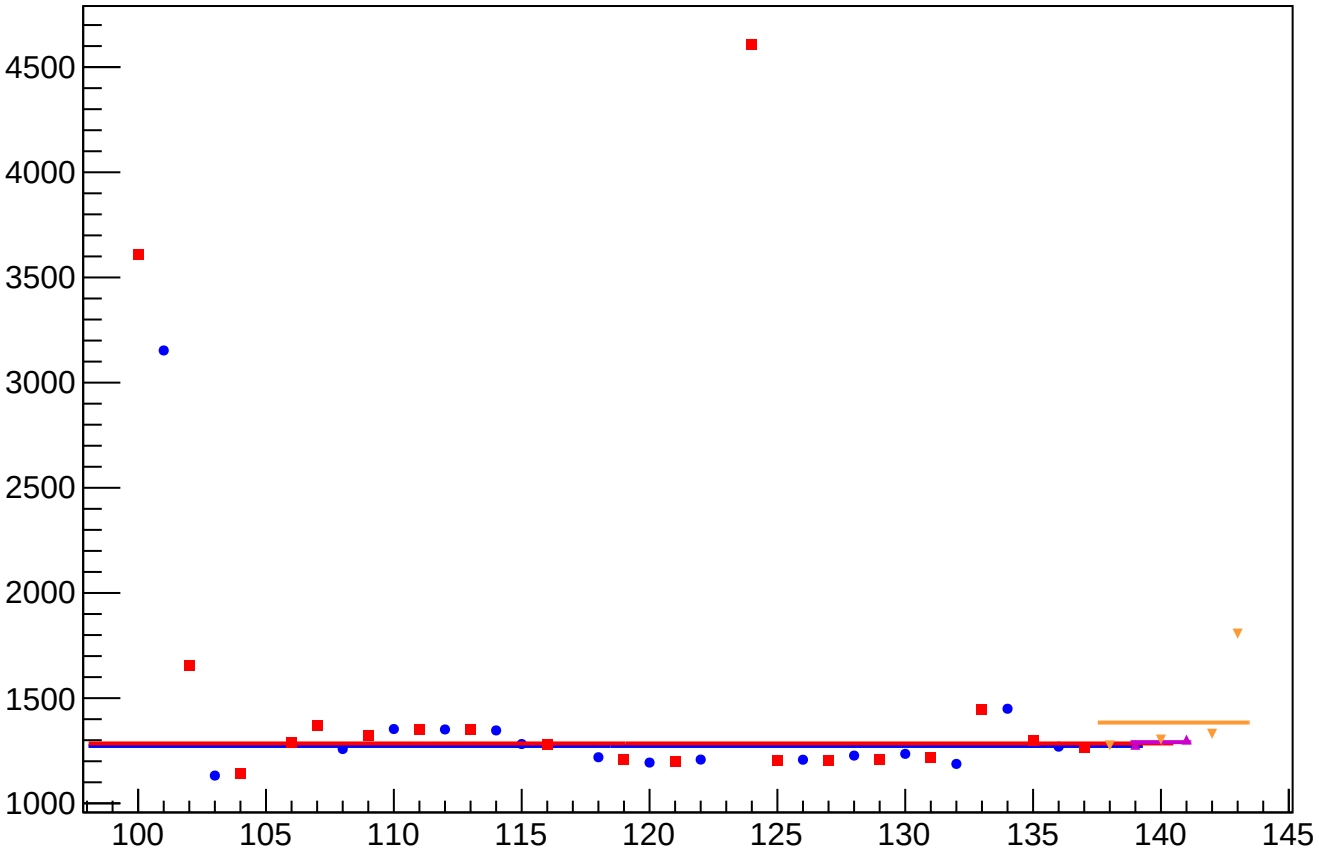
Left: -514.465+/-630.588 χ^2/NDF: 10.3/5

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -63.451+/-299.776 χ^2/NDF: 47.1/40



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

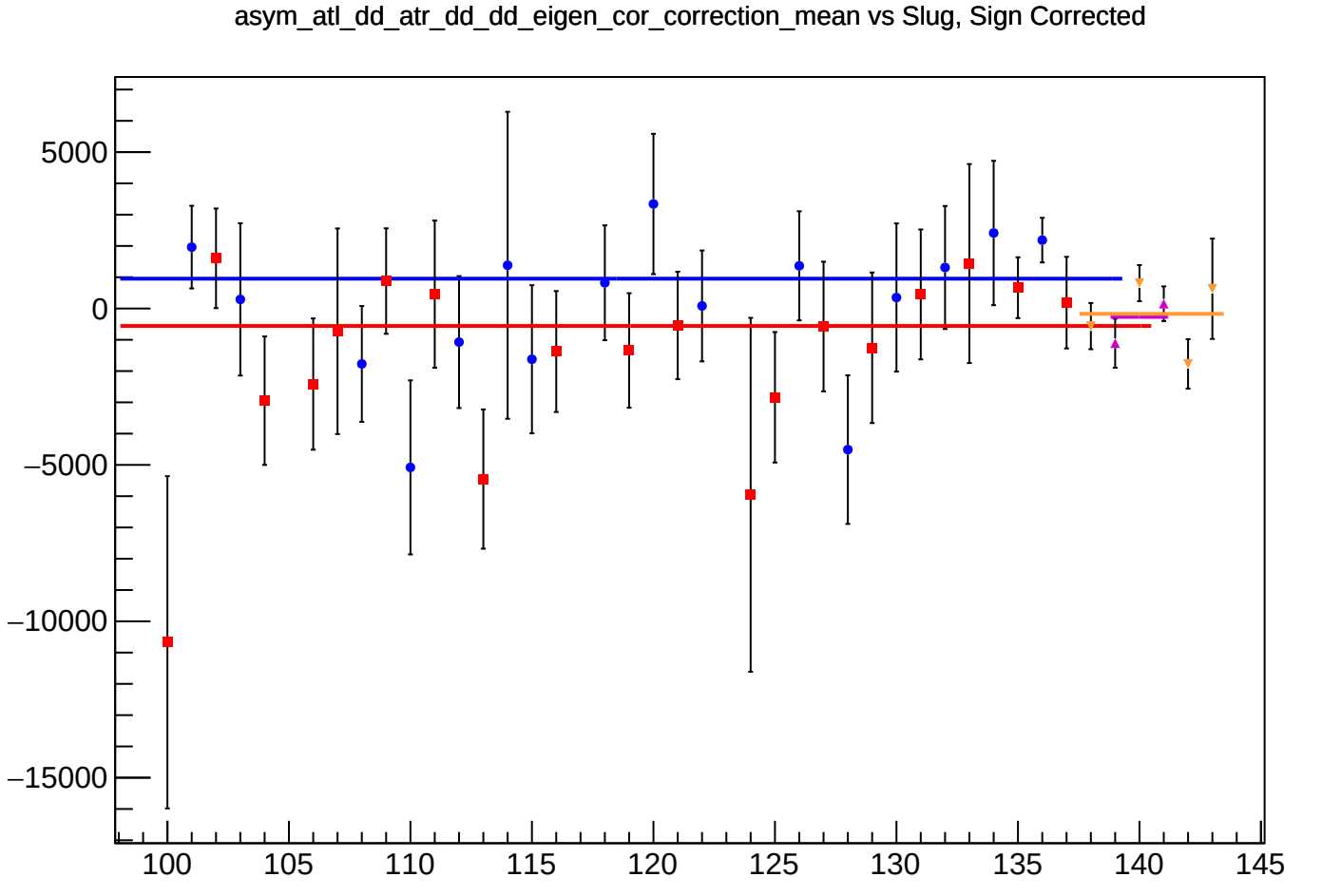
Left: 1345.528+/-0.446 χ^2/NDF: 119551.5/5

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

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: -211.229+/-292.206 χ^2/NDF: 9.3/5

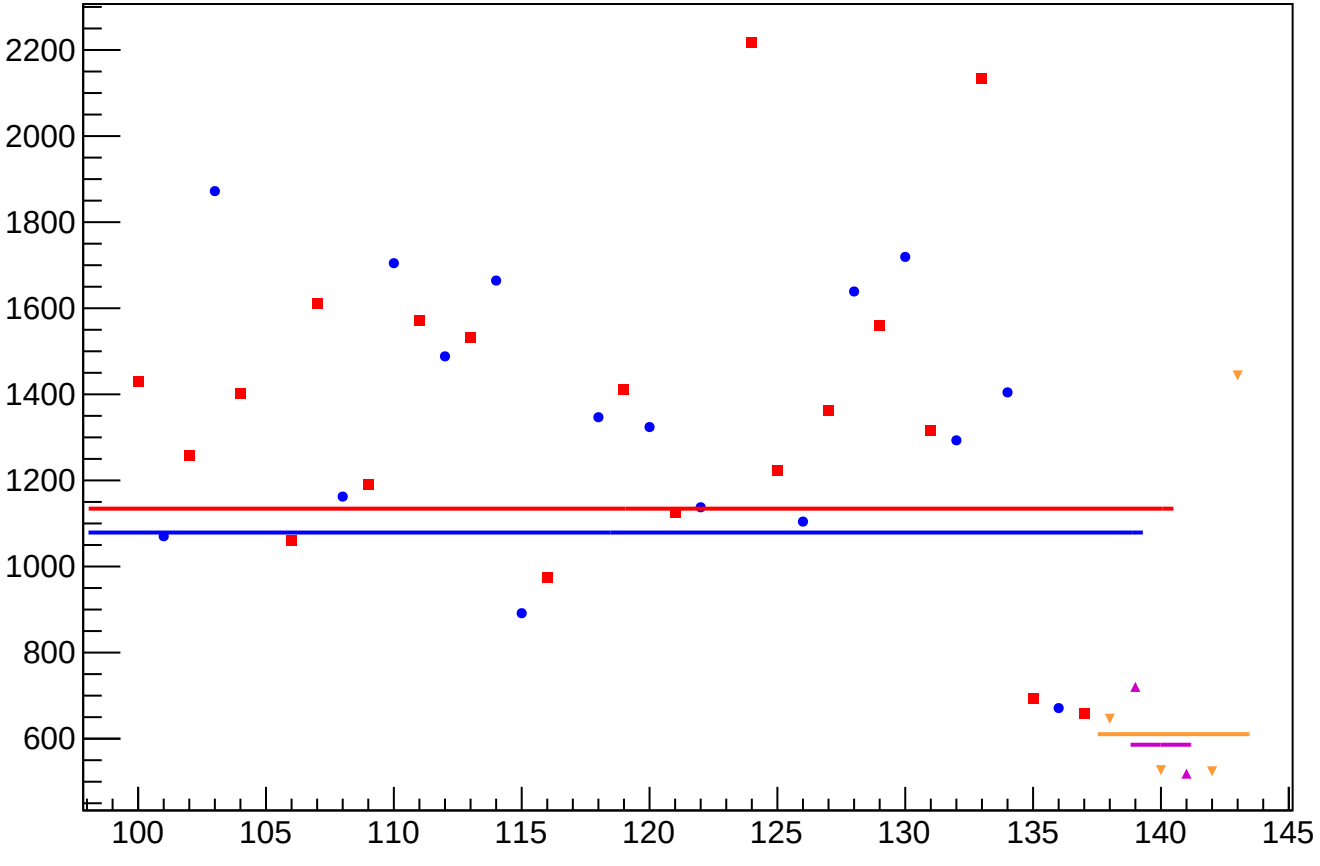
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -3.564+/-211.390 χ^2/NDF: 54.7/40

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: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

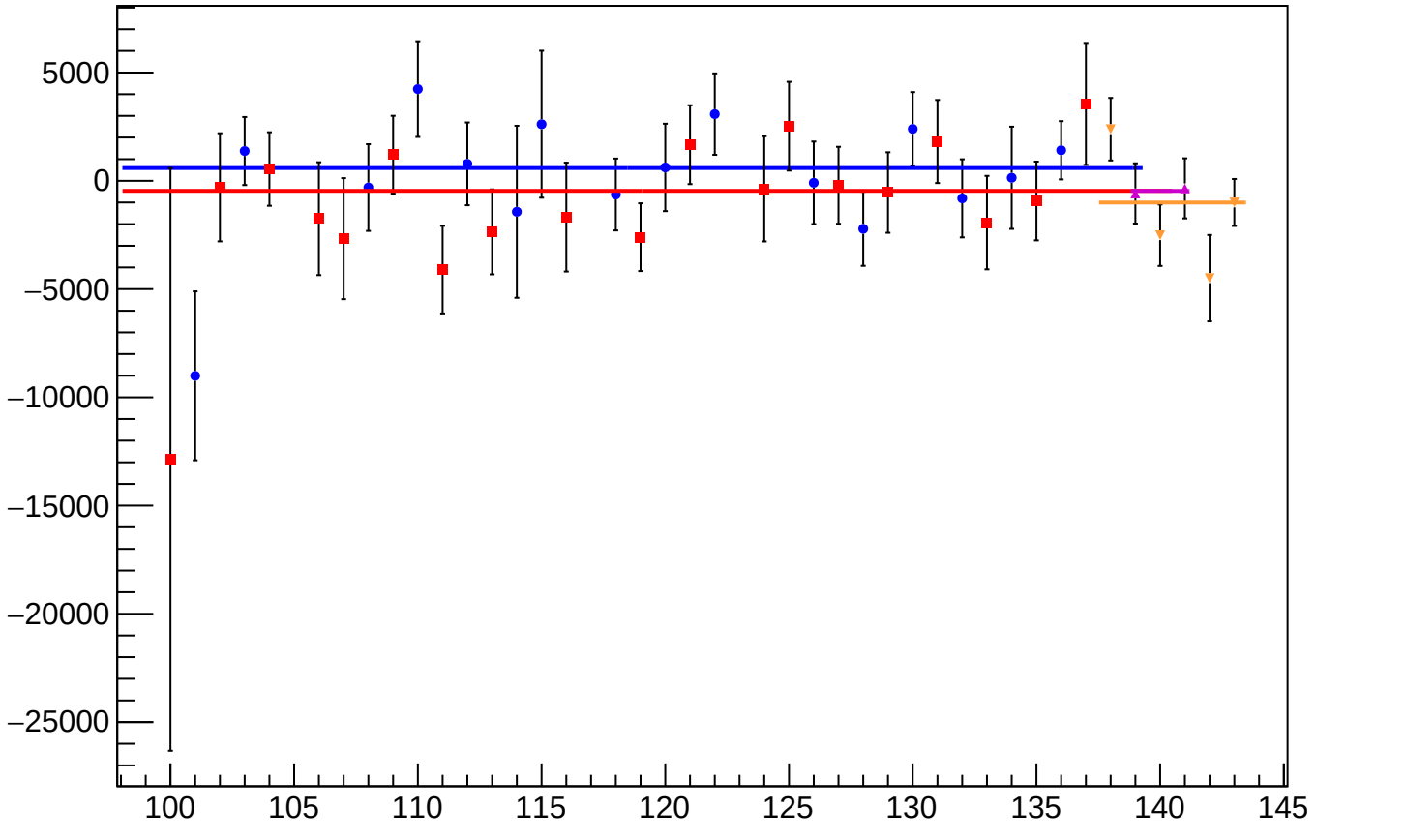
Left: 600.246+/-0.207 χ^2/NDF: 702588.6/5

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.013+/-981.815 χ^2/NDF:0.0/1

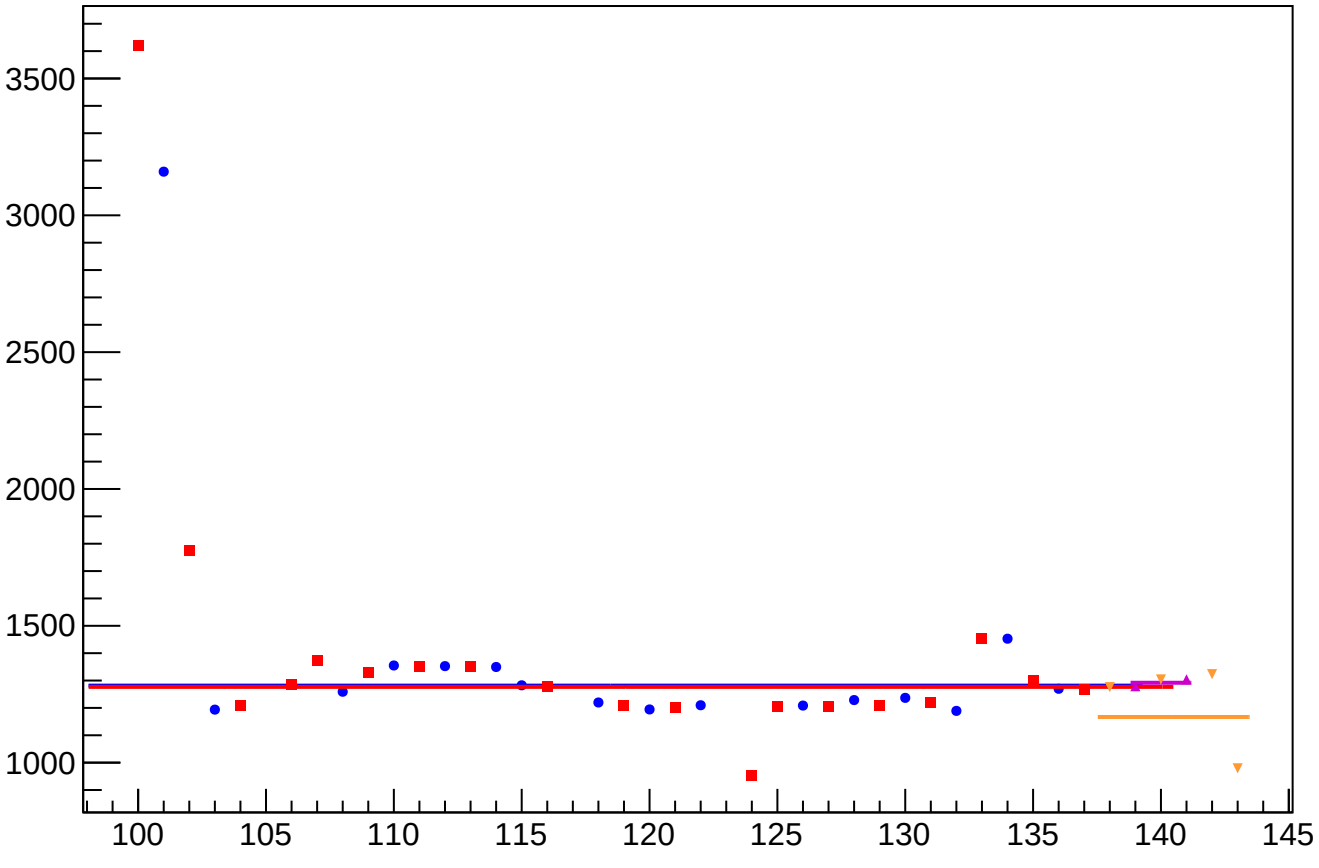
Left: -823.606+/-566.567 χ^2/NDF: 9.9/5

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 382.983+/-435.186 χ^2/NDF:18.1/17

Out: -635.860+/-392.937 χ^2/NDF:26.8/22

All: -178.284+/-291.644 χ^2/NDF: 47.9/40



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.8/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1291.897+/-0.694 χ^2/NDF:329.8/1

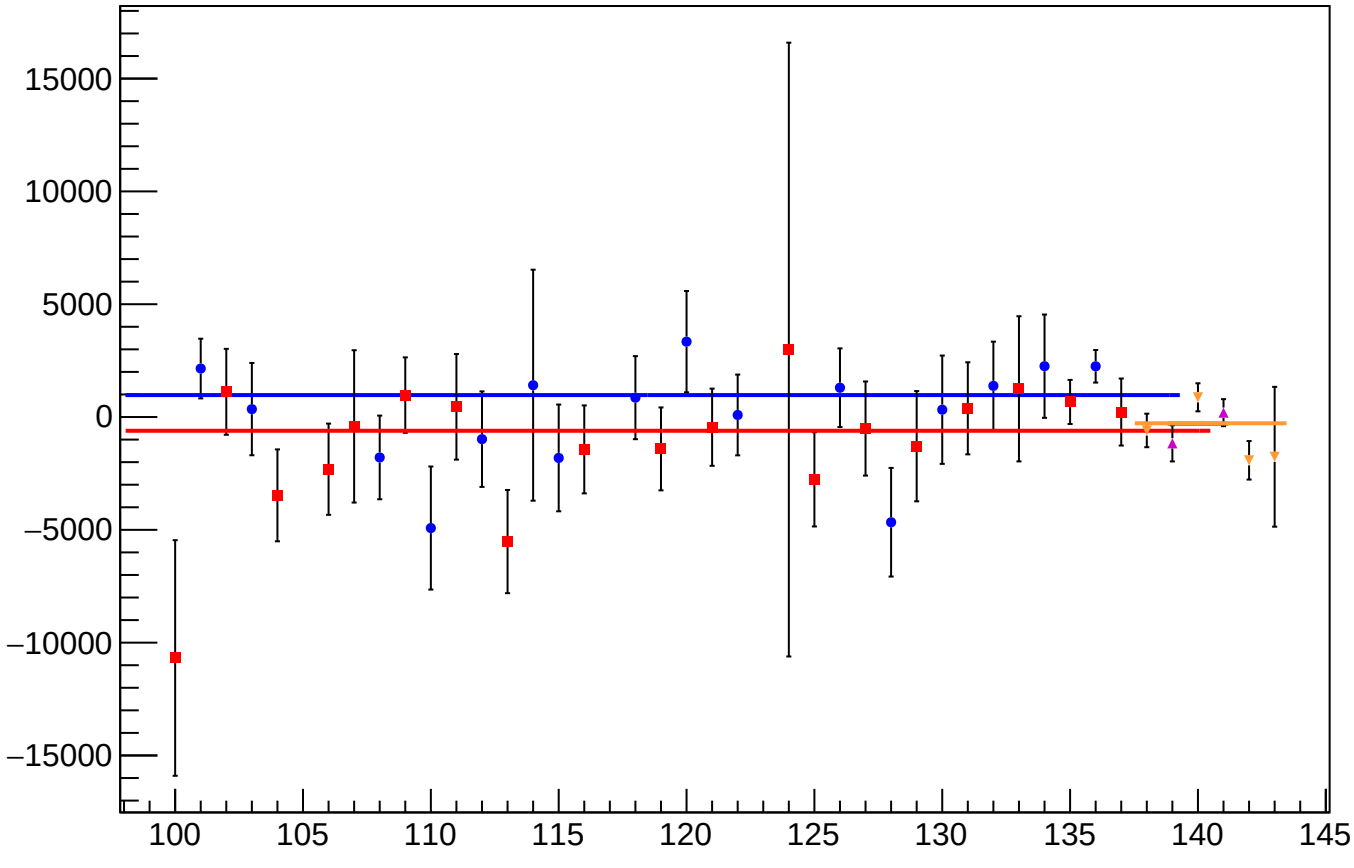
Left: 1208.491+/-0.401 χ^2/NDF: 124267.8/5

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.0/17

Out: 1241.567+/-0.278 χ^2/NDF:356970.7/22

All: 1260.371+/-0.206 χ^2/NDF: 874762.9/40



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -277.522+/-412.482 χ^2/NDF:7.5/3

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: -284.617+/-312.702 χ^2/NDF: 9.4/5

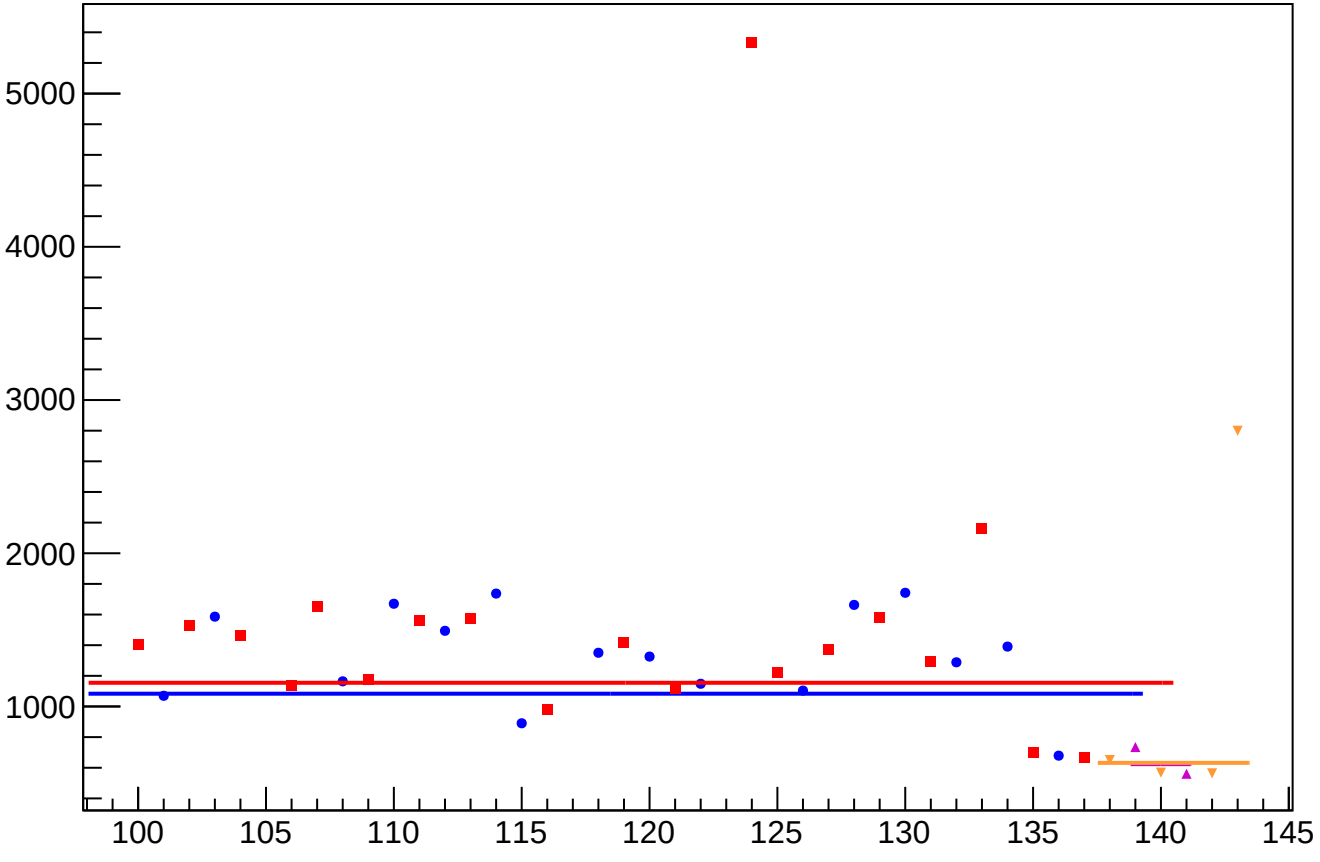
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 414.757+/-318.143 χ^2/NDF:26.2/17

Out: -429.439+/-303.367 χ^2/NDF:25.0/22

All: -27.400+/-219.551 χ^2/NDF: 54.9/40

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 632.036+/-0.292 χ^2/NDF:1013266.7/3

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 623.559+/-0.339 χ^2/NDF:60772.0/1

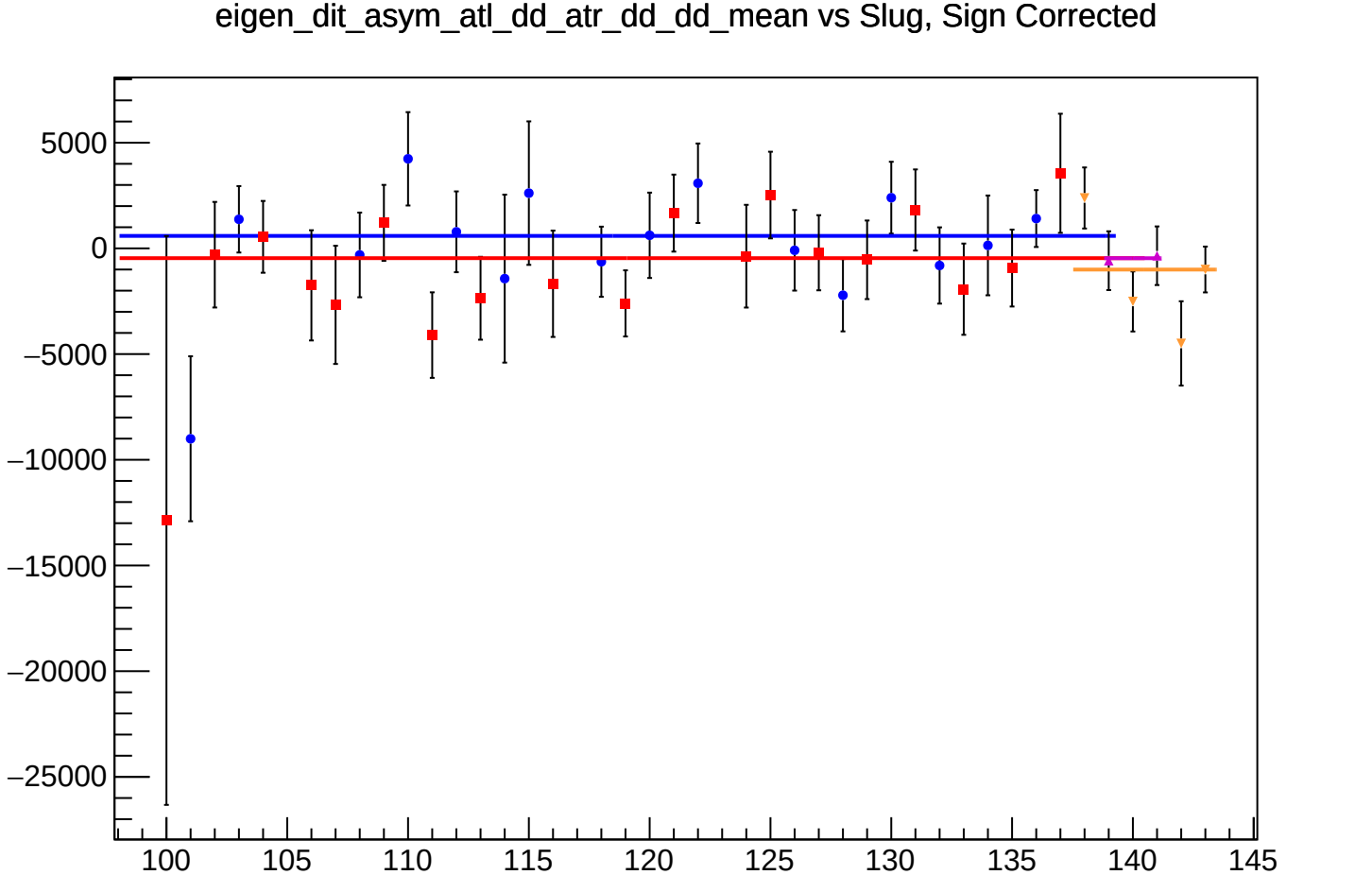
Left: 628.431+/-0.221 χ^2/NDF: 1074397.9/5

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 880.934+/-0.225 χ^2/NDF:2450276.3/17

Out: 871.996+/-0.215 χ^2/NDF:3975926.5/22

All: 876.253+/-0.155 χ^2/NDF: 6427029.6/40



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.021+/-981.815 χ^2/NDF:0.0/1

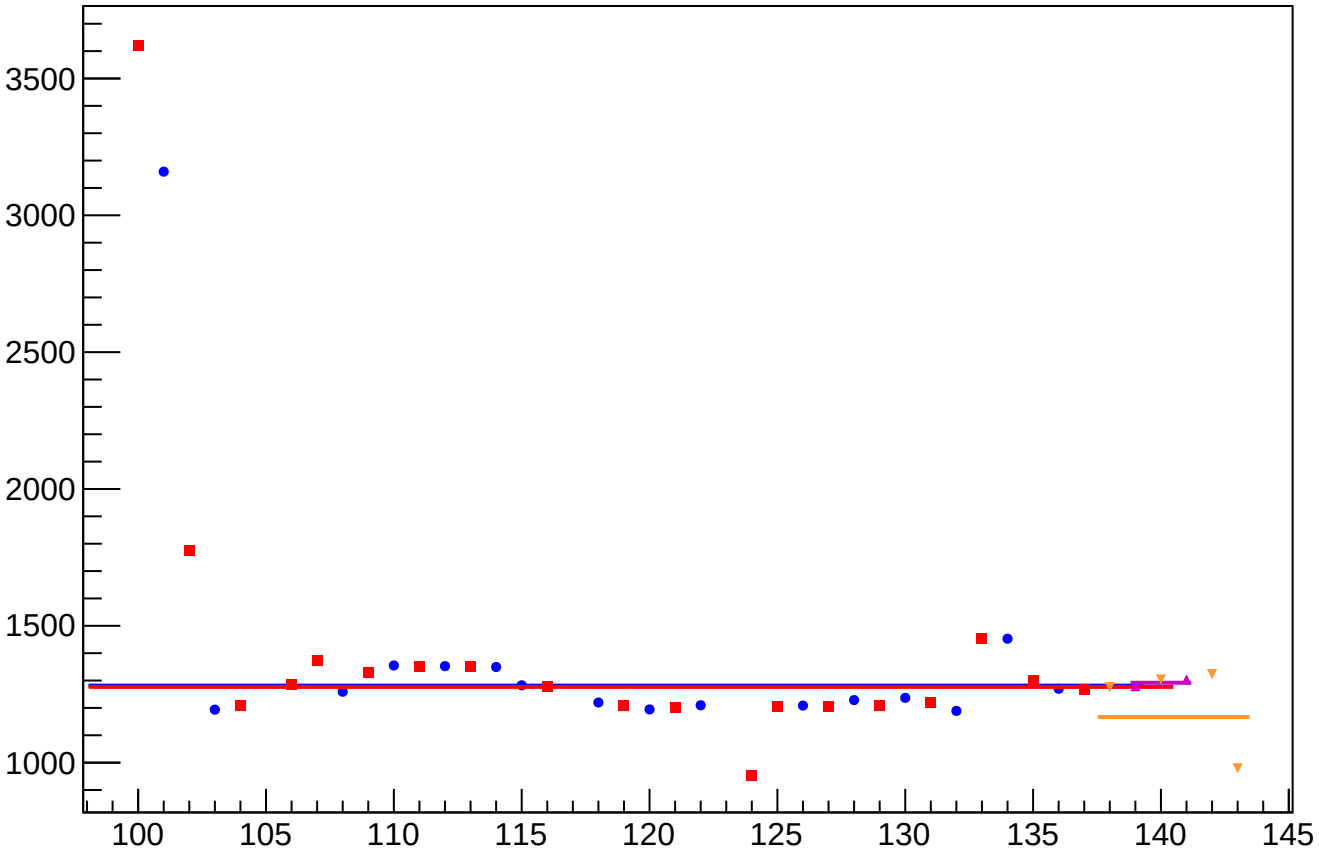
Left: -823.609+/-566.567 χ^2/NDF: 9.9/5

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 382.982+/-435.186 χ^2/NDF:18.1/17

Out: -635.860+/-392.937 χ^2/NDF:26.8/22

All: -178.284+/-291.644 χ^2/NDF: 47.9/40



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.3/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1291.898+/-0.694 χ^2/NDF:329.8/1

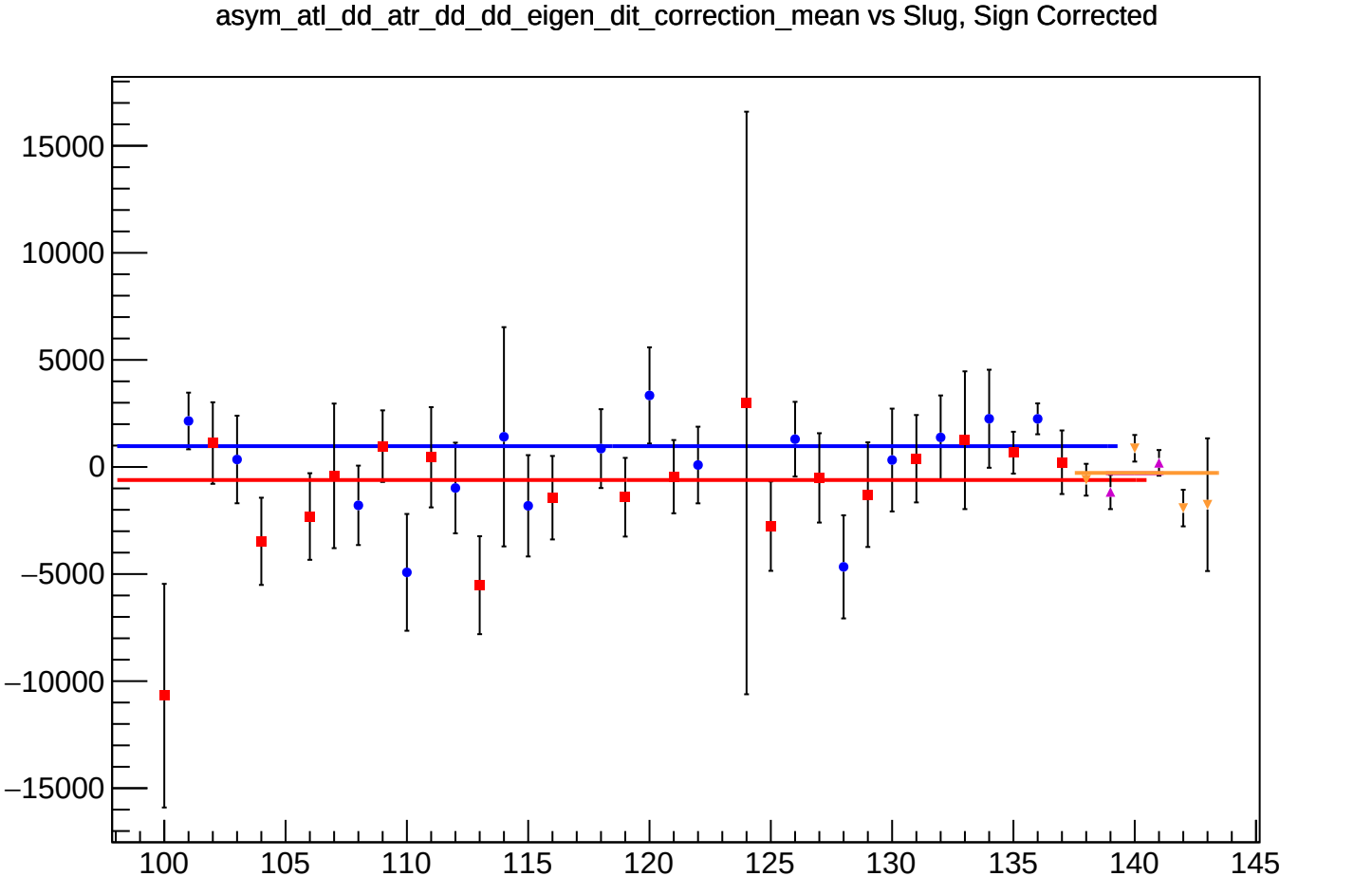
Left: 1208.492+/-0.401 χ^2/NDF: 124267.2/5

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.2/17

Out: 1241.567+/-0.278 χ^2/NDF:356969.7/22

All: 1260.371+/-0.206 χ^2/NDF: 874762.0/40



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -277.526+/-412.486 χ^2/NDF:7.5/3

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: -284.618+/-312.705 χ^2/NDF: 9.4/5

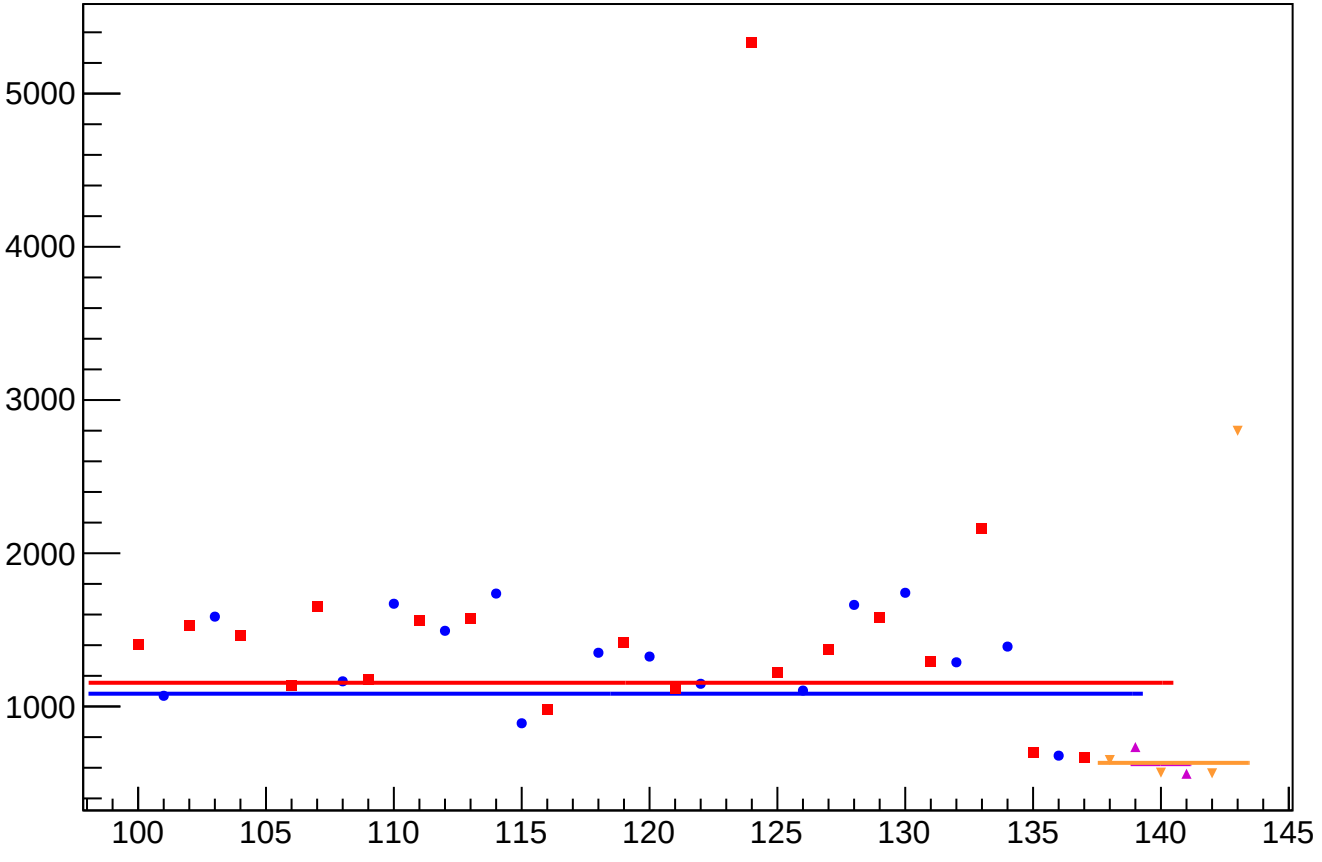
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 414.758+/-318.145 χ^2/NDF:26.2/17

Out: -429.446+/-303.369 χ^2/NDF:25.0/22

All: -27.403+/-219.552 χ^2/NDF: 54.9/40

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: 632.041+/-0.292 χ^2/NDF:1013265.5/3

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 623.564+/-0.339 χ^2/NDF:60777.2/1

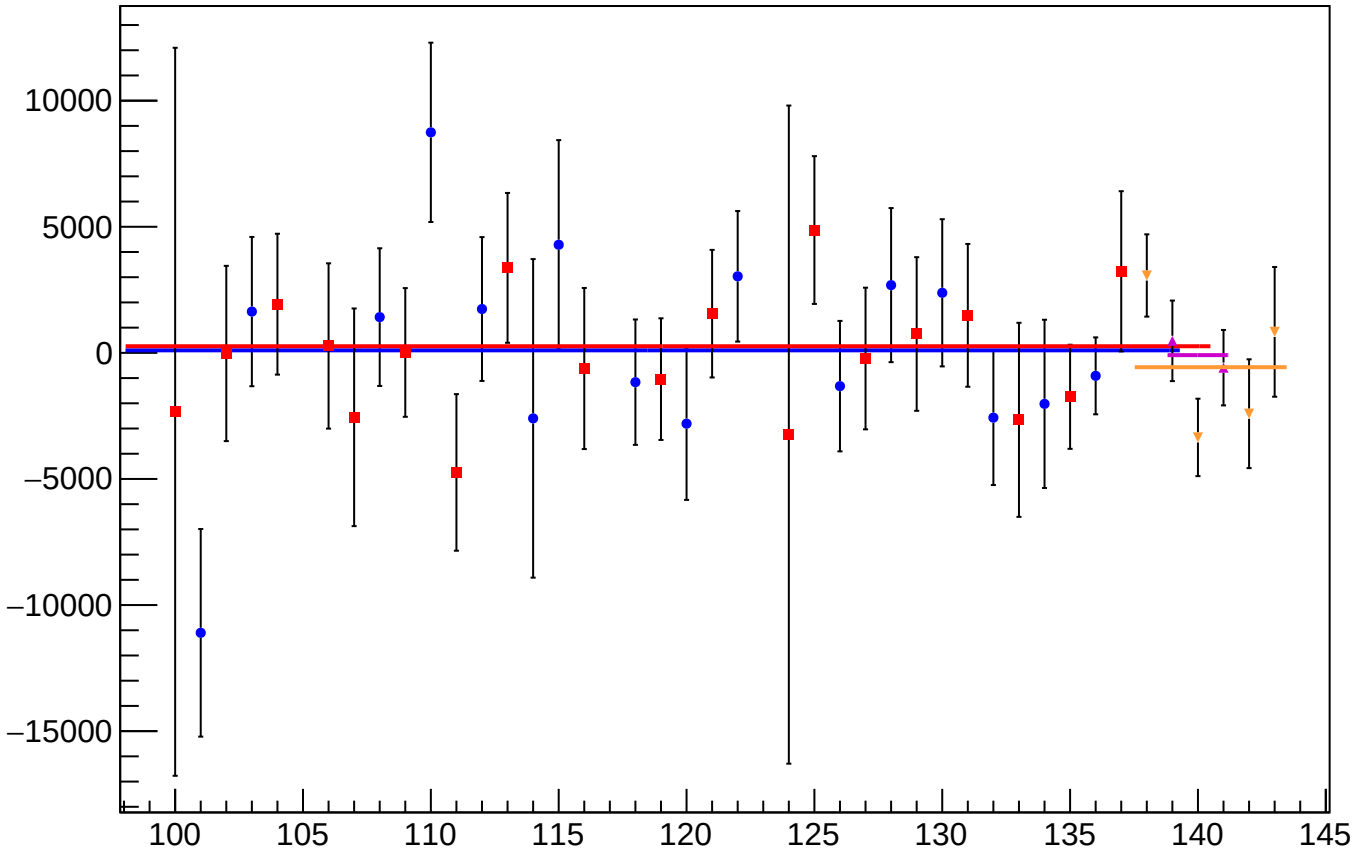
Left: 628.436+/-0.221 χ^2/NDF: 1074402.0/5

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 880.941+/-0.225 χ^2/NDF:2450216.9/17

Out: 872.003+/-0.215 χ^2/NDF:3975864.1/22

All: 876.260+/-0.155 χ^2/NDF: 6426907.6/40



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -567.595+/-926.083 χ^2/NDF:9.3/3

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: -367.806+/-706.213 χ^2/NDF: 9.6/5

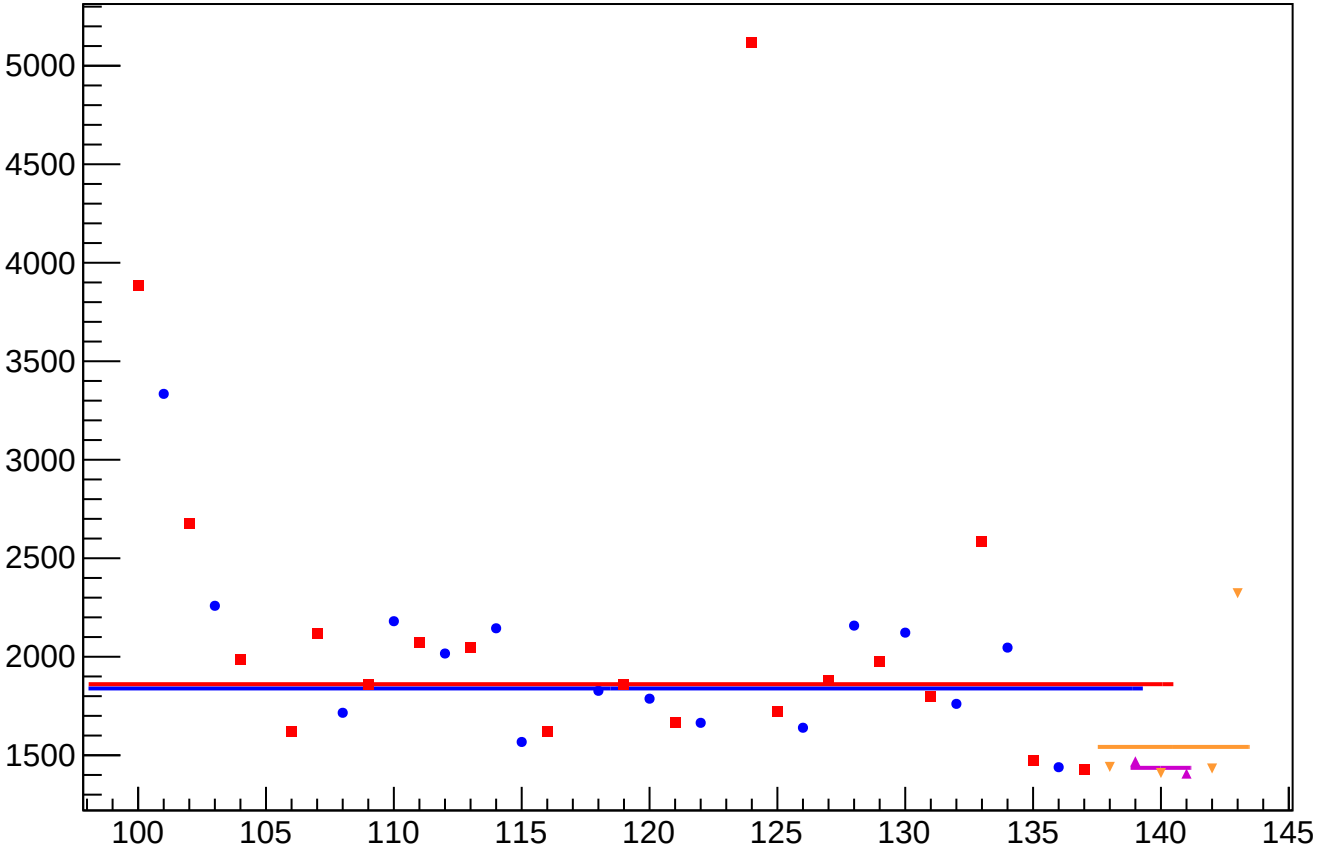
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 45.028+/-588.661 χ^2/NDF:21.5/17

Out: -39.025+/-558.282 χ^2/NDF:20.1/22

All: 0.777+/-405.079 χ^2/NDF: 41.7/40

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1542.343+/-0.655 χ^2/NDF:211774.6/3

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1436.114+/-0.772 χ^2/NDF:1630.3/1

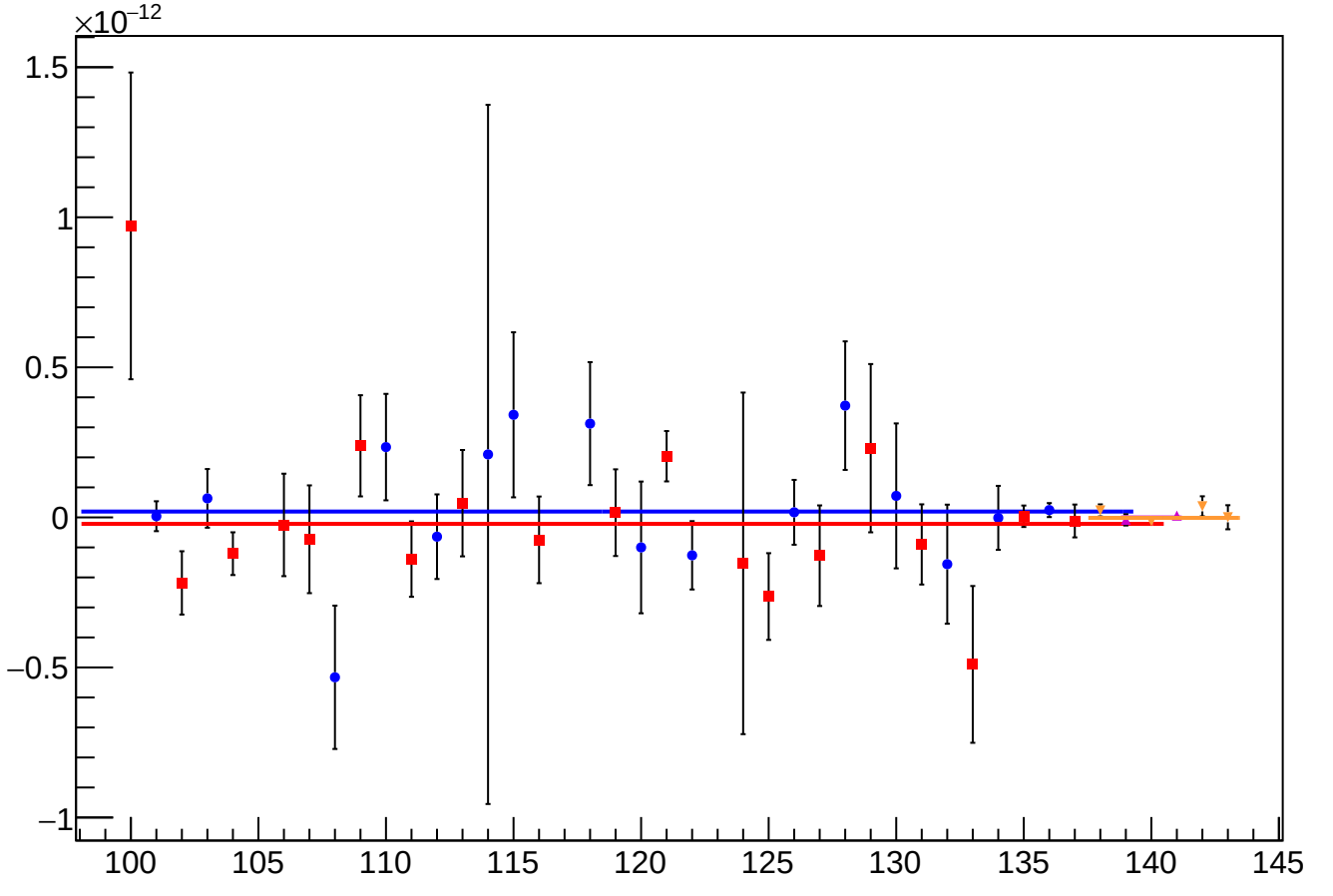
Left: 1497.889+/-0.499 χ^2/NDF: 224417.2/5

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1721.940+/-0.416 χ^2/NDF:751654.7/17

Out: 1745.039+/-0.395 χ^2/NDF:884398.2/22

All: 1734.101+/-0.286 χ^2/NDF: 1637674.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

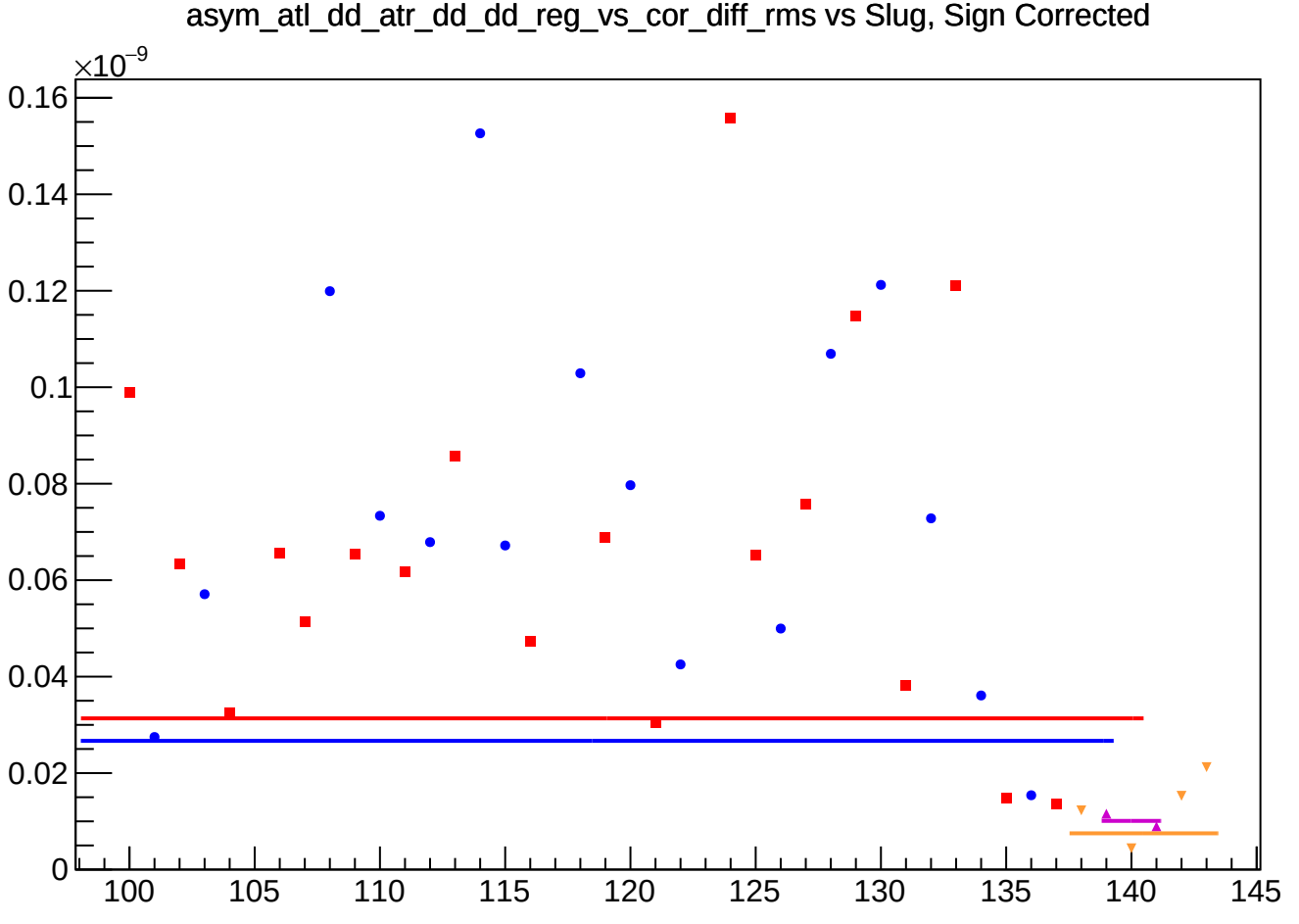
Left: -0.000+/-0.000 χ^2/NDF: 4.3/5

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:32.8/22

All: -0.000+/-0.000 χ^2/NDF: 51.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:623688.3/3

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: 703655.9/5

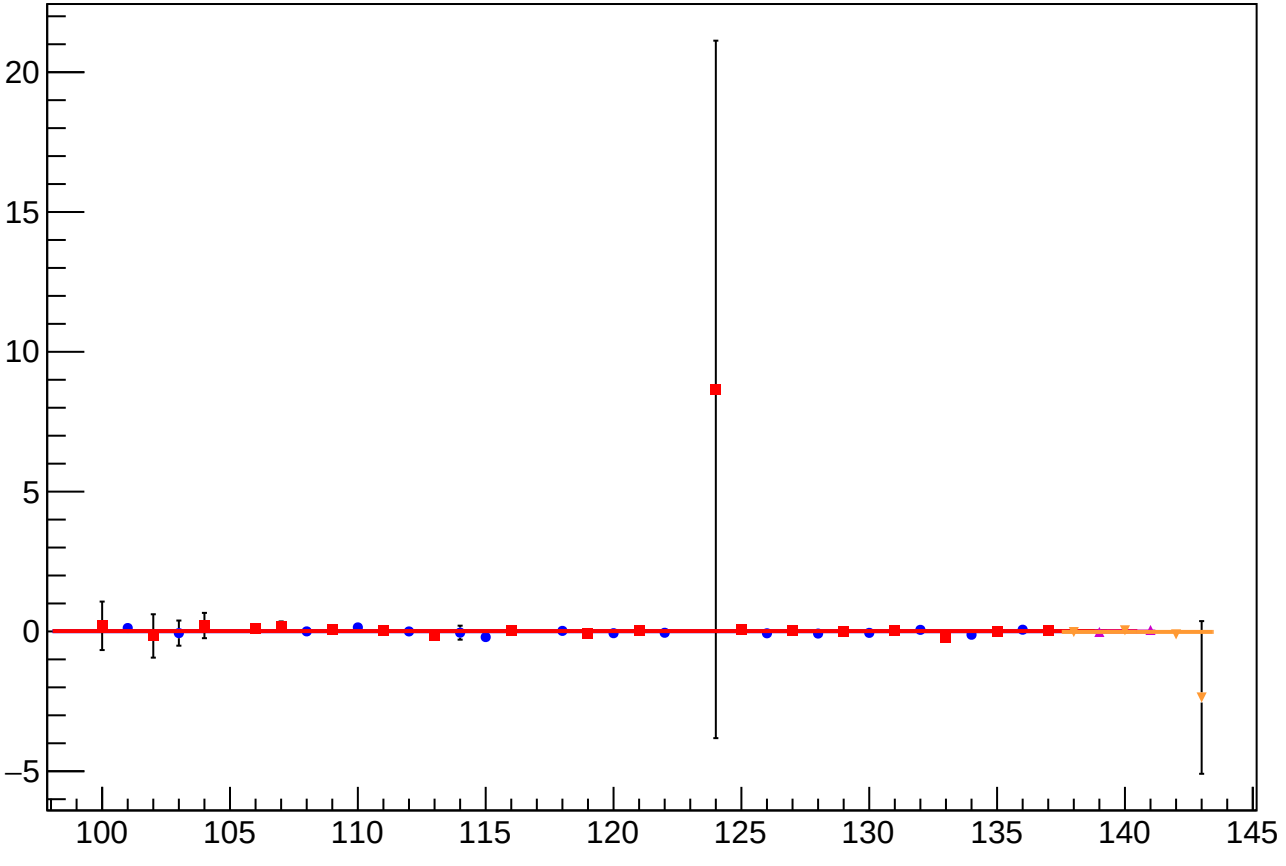
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:3690838.9/17

Out: 0.000+/-0.000 χ^2/NDF:4872465.0/22

All: 0.000+/-0.000 χ^2/NDF: 8778054.2/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

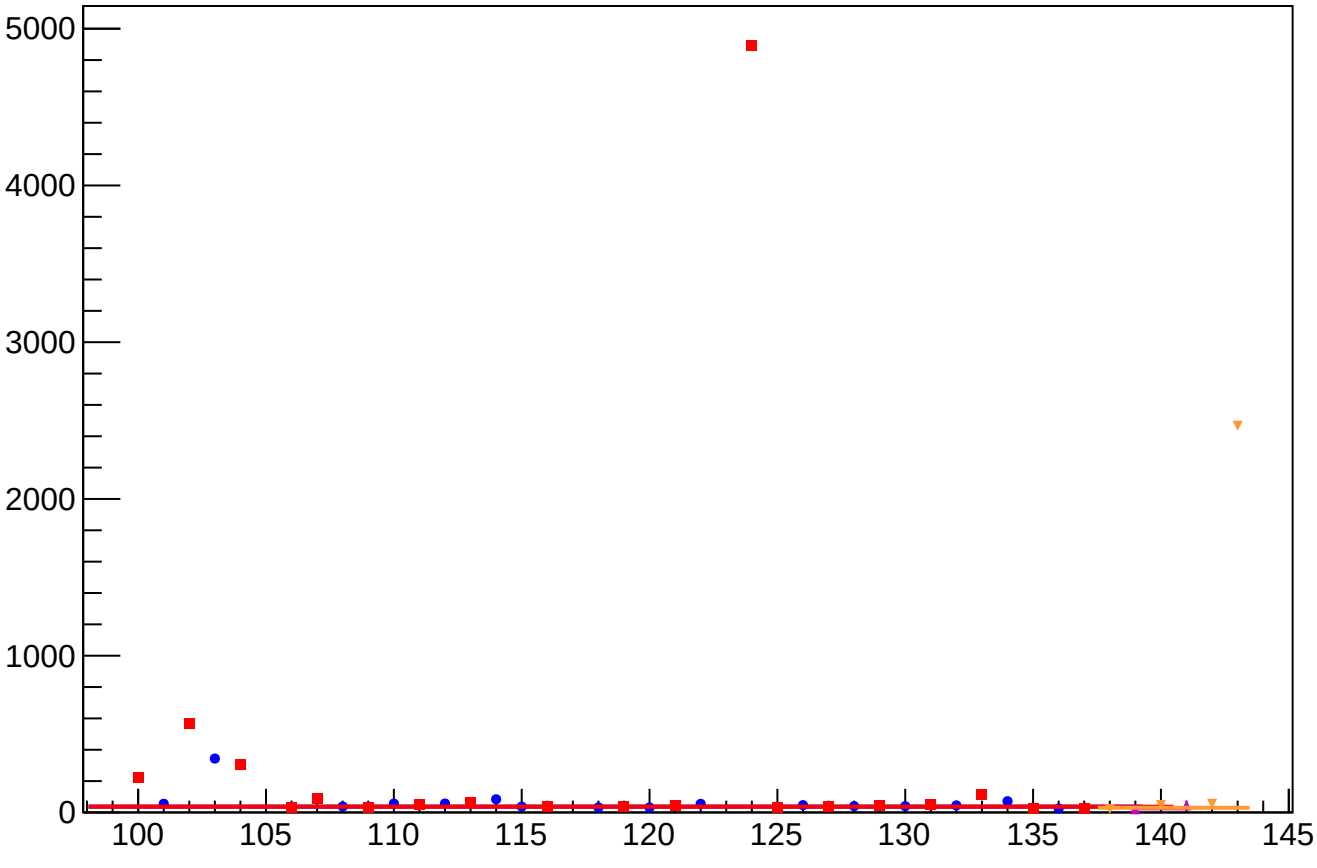
Left: -0.010+/-0.017 χ^2/NDF: 4.6/5

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 29.972+/-0.017 χ^2/NDF:2124121.6/3

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: 28.052+/-0.012 χ^2/NDF: 2566684.8/5

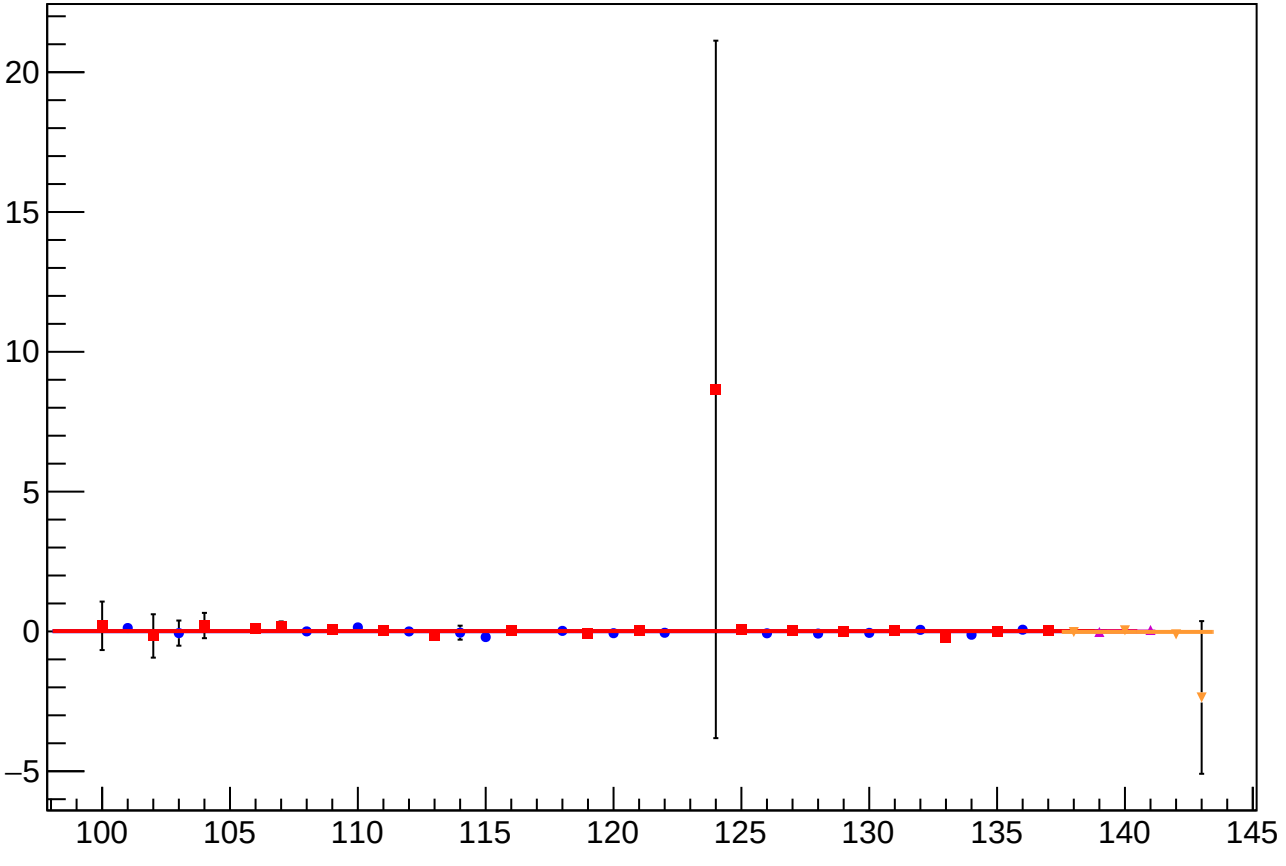
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

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: -0.010+/-0.017 χ^2/NDF: 4.6/5

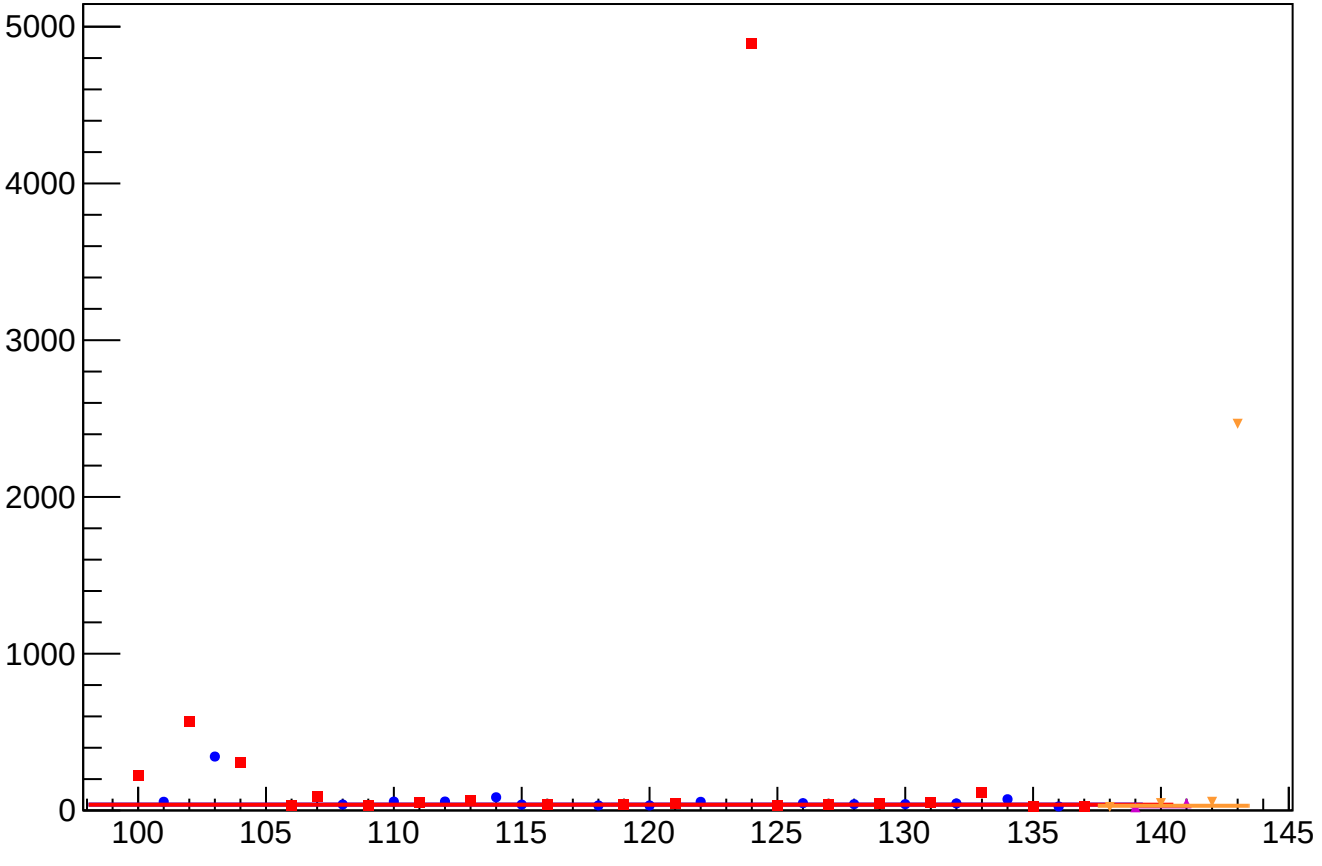
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40

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: 29.972+/-0.017 χ^2/NDF:2124121.6/3

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 26.130+/-0.017 χ^2/NDF:417356.7/1

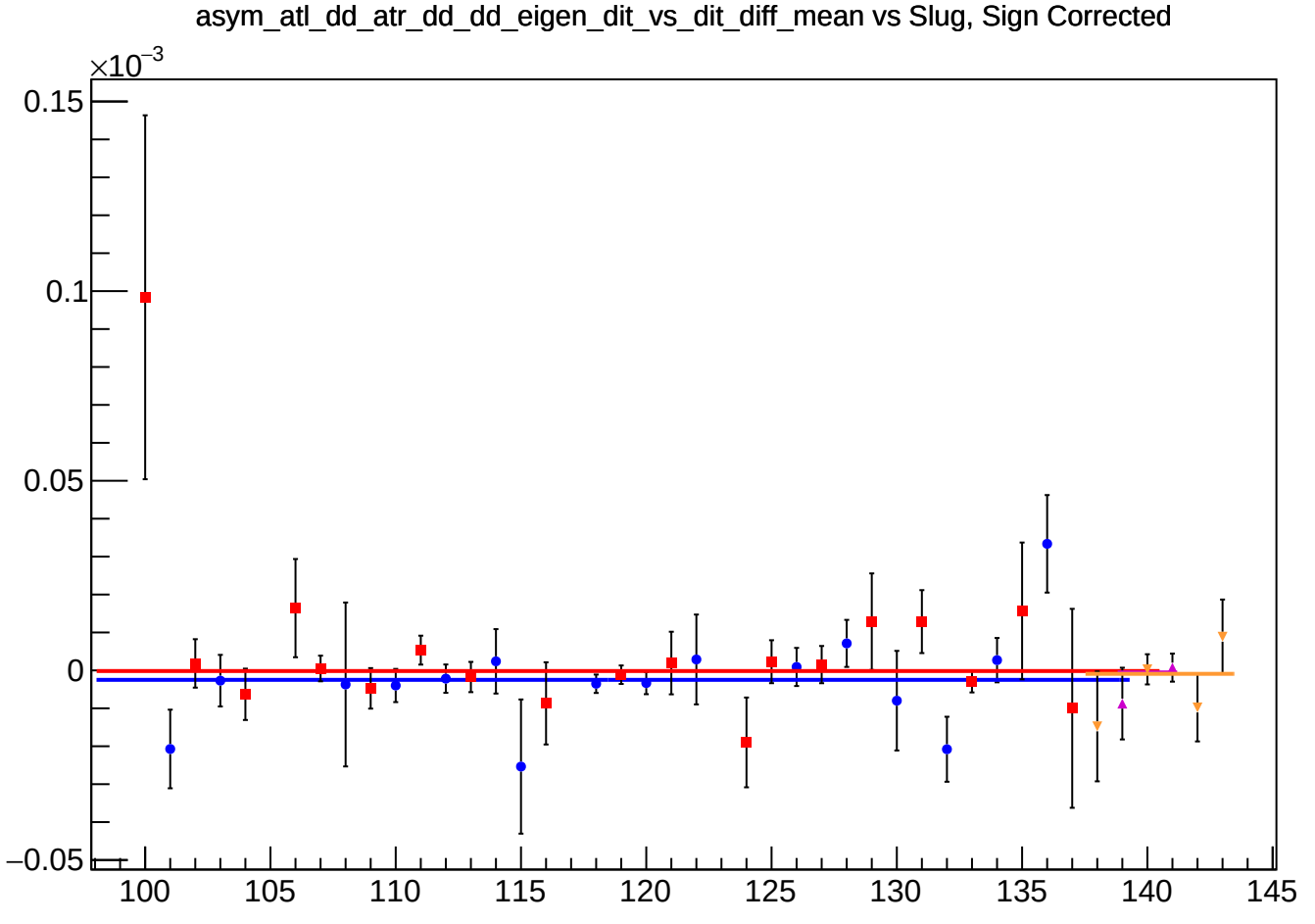
Left: 28.052+/-0.012 χ^2/NDF: 2566684.8/5

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

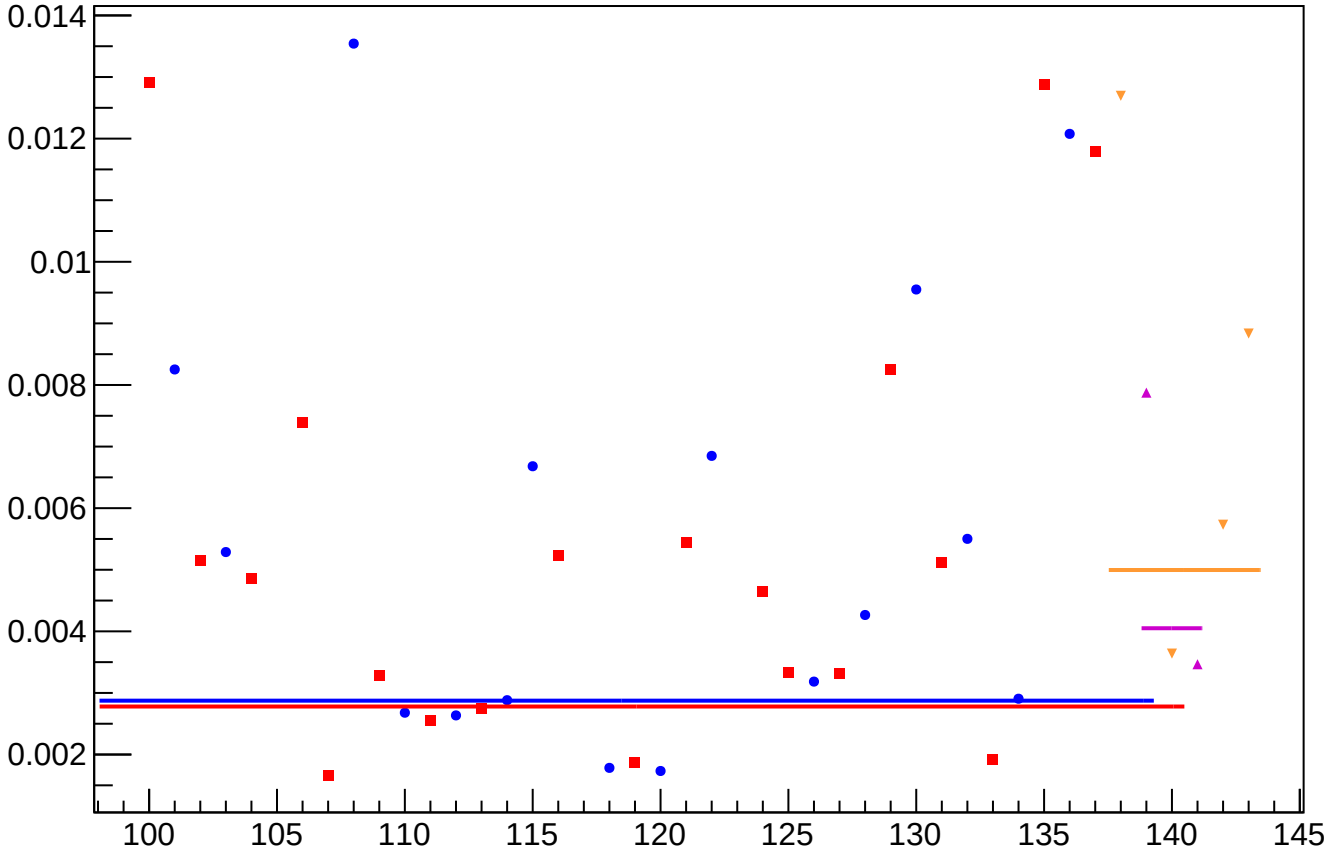
Left: -0.000+/-0.000 χ^2/NDF: 3.9/5

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:21.9/22

All: -0.000+/-0.000 χ^2/NDF: 46.4/40



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1117148.1/3

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: 0.005+/-0.000 χ^2/NDF: 1572604.3/5

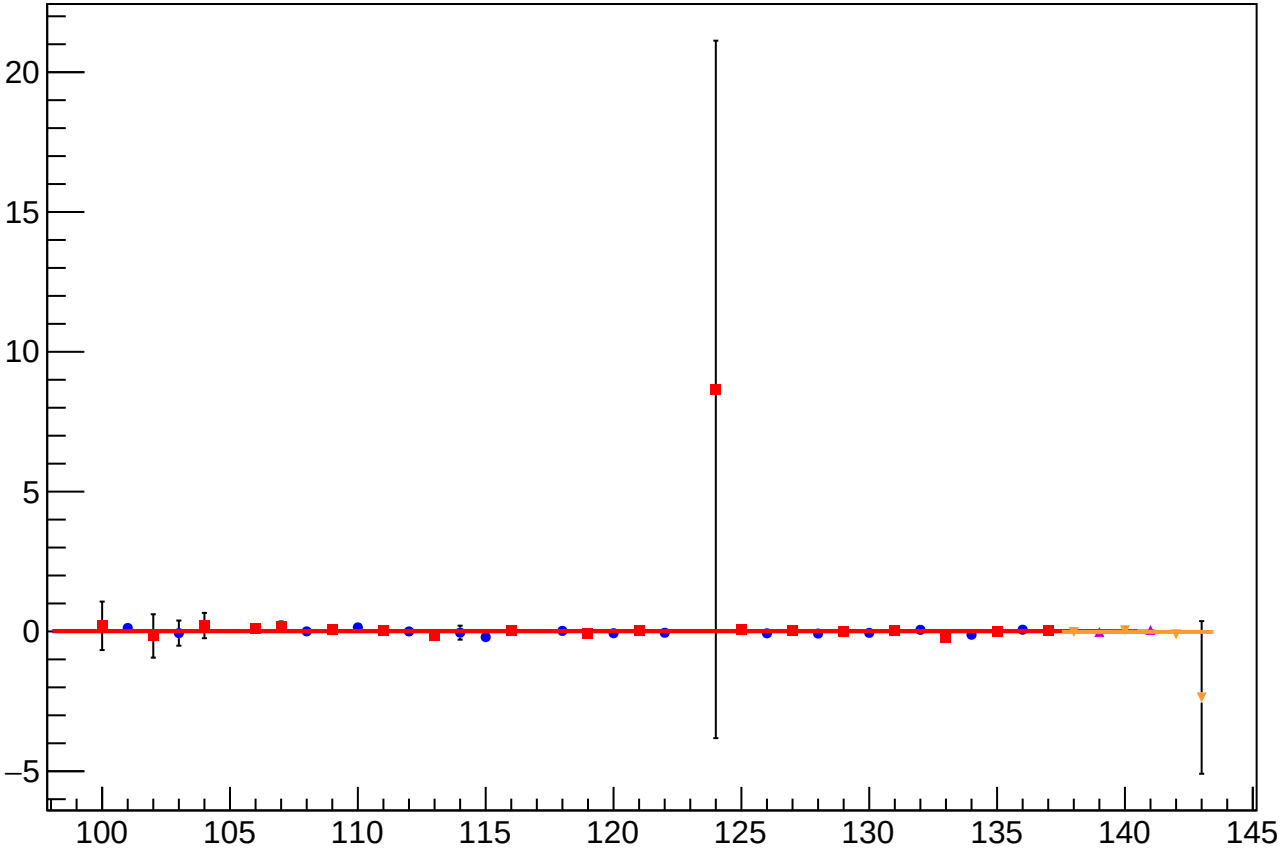
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4733338.9/17

Out: 0.003+/-0.000 χ^2/NDF:5221390.7/22

All: 0.003+/-0.000 χ^2/NDF: 9954738.5/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

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: -0.010+/-0.017 χ^2/NDF: 4.6/5

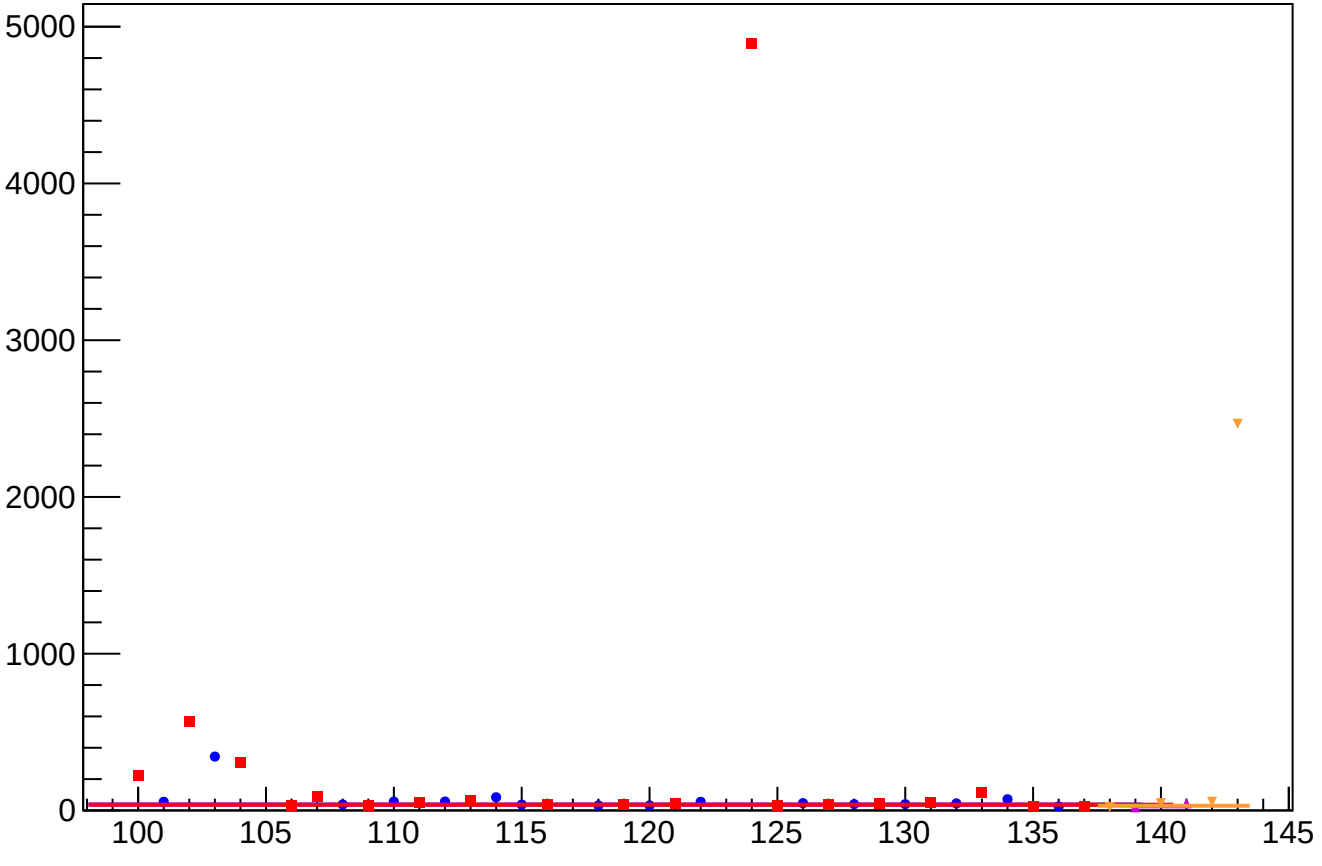
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

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: 28.055+/-0.012 χ^2/NDF: 2566526.8/5

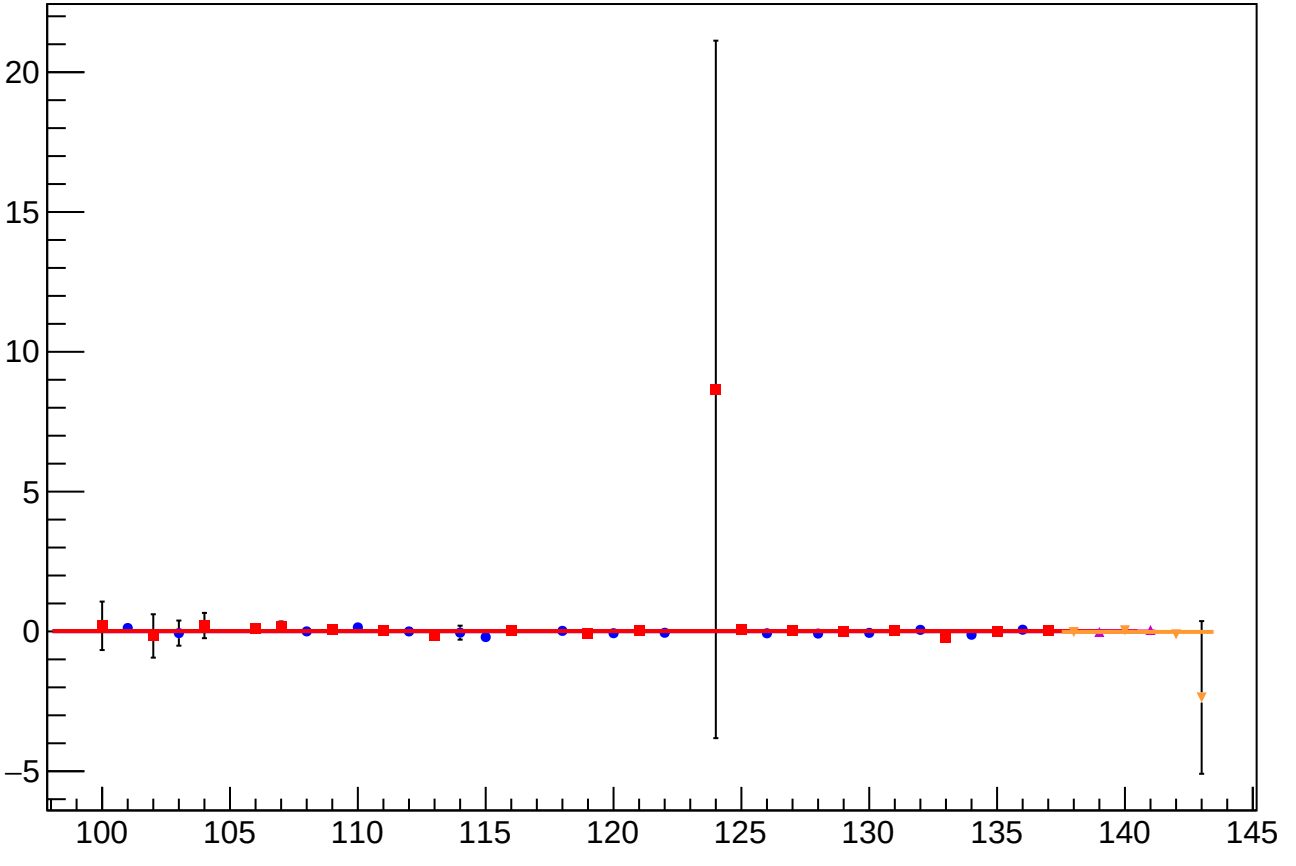
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

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: -0.010+/-0.017 χ^2/NDF: 4.6/5

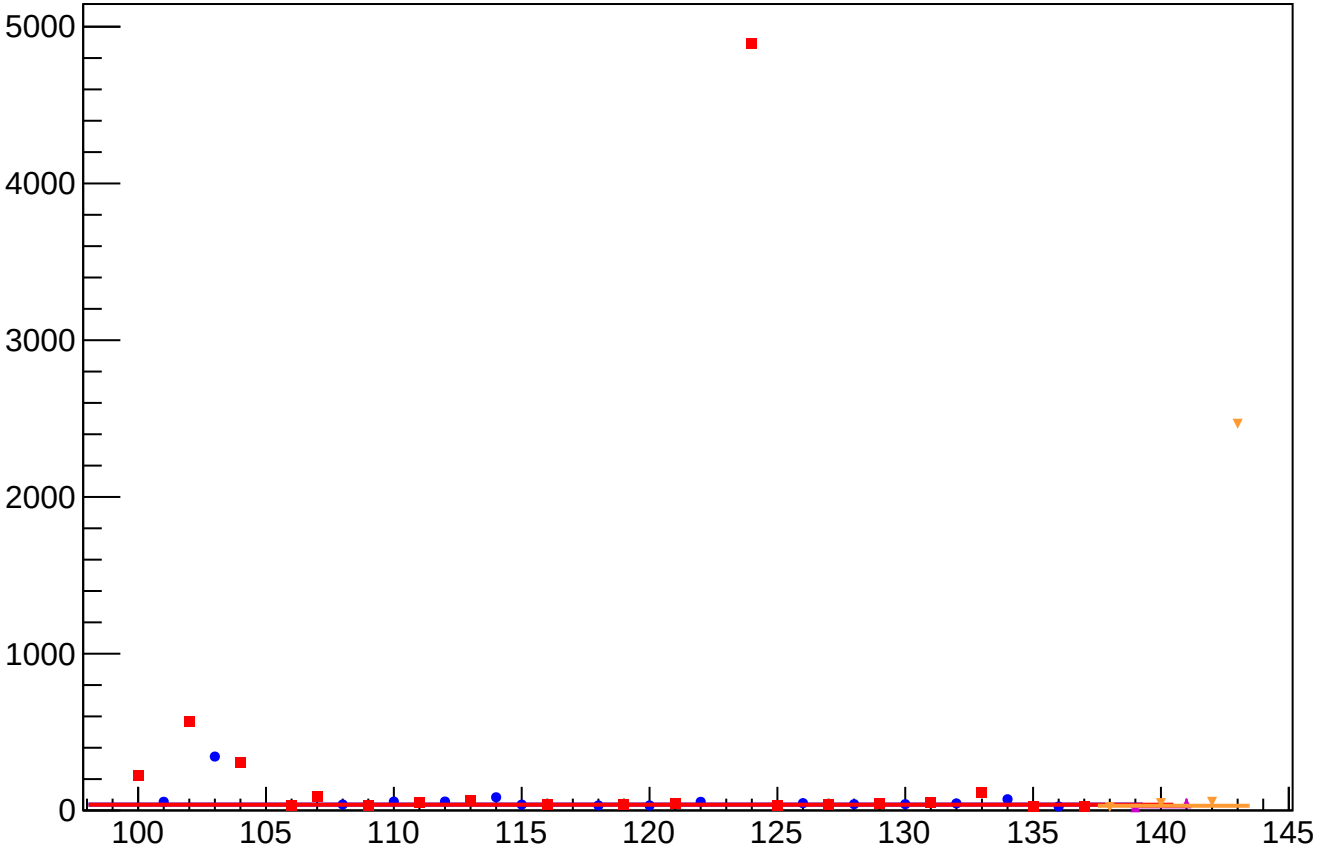
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

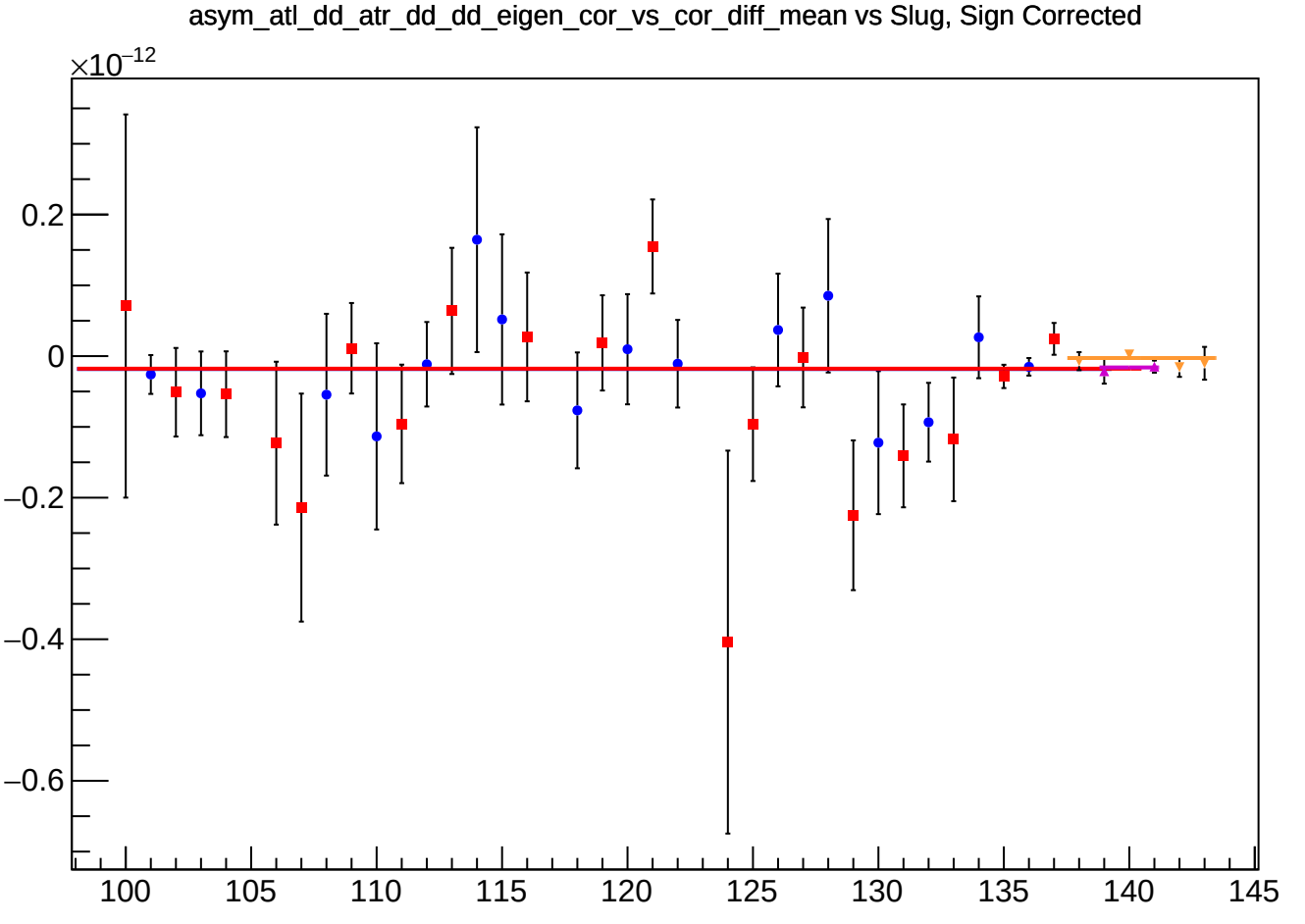
Left: 28.055+/-0.012 χ^2/NDF: 2566526.8/5

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

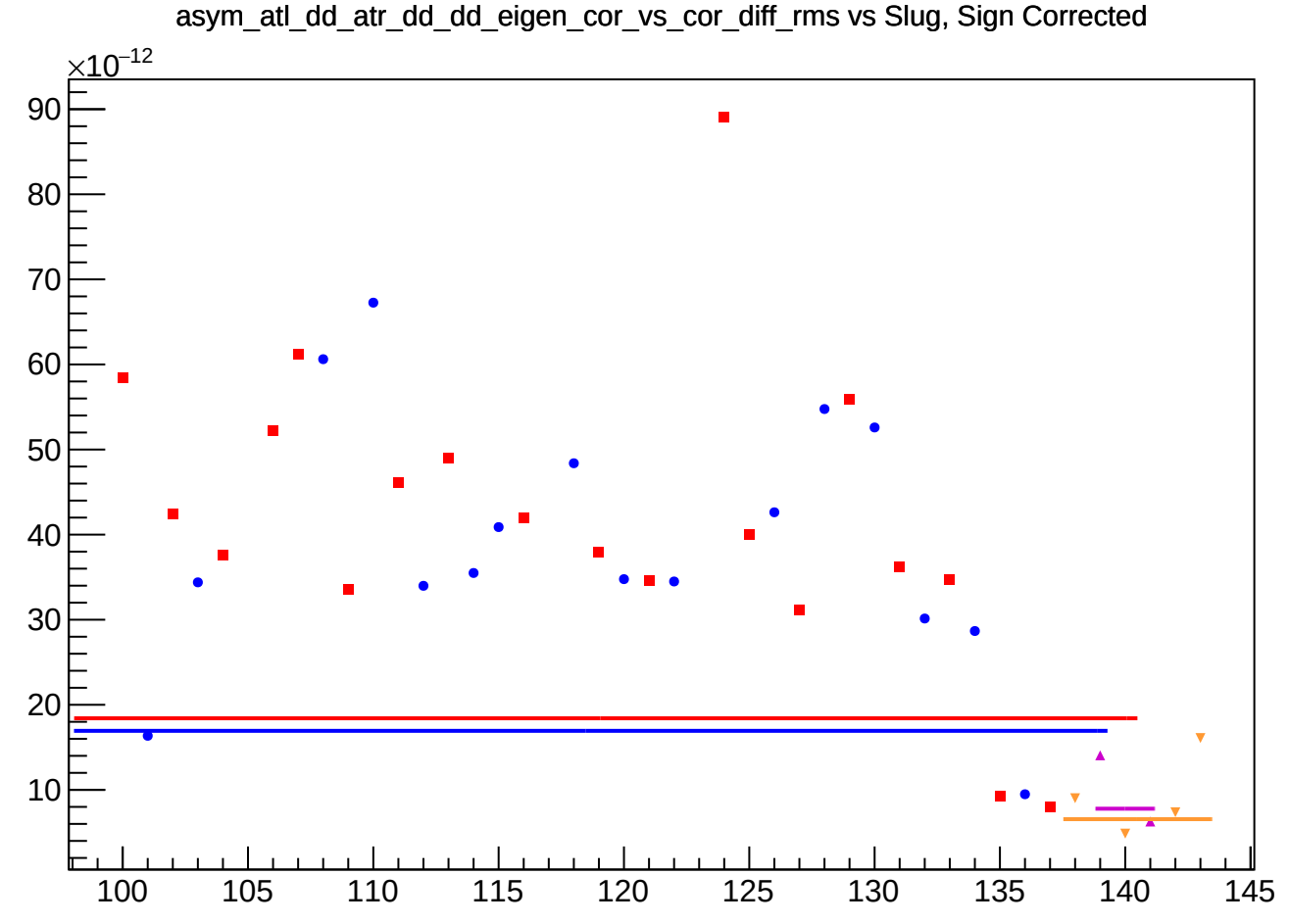
Left: -0.000+/-0.000 χ^2/NDF: 3.8/5

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:30.5/22

All: -0.000+/-0.000 χ^2/NDF: 41.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547131.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:316105.3/1

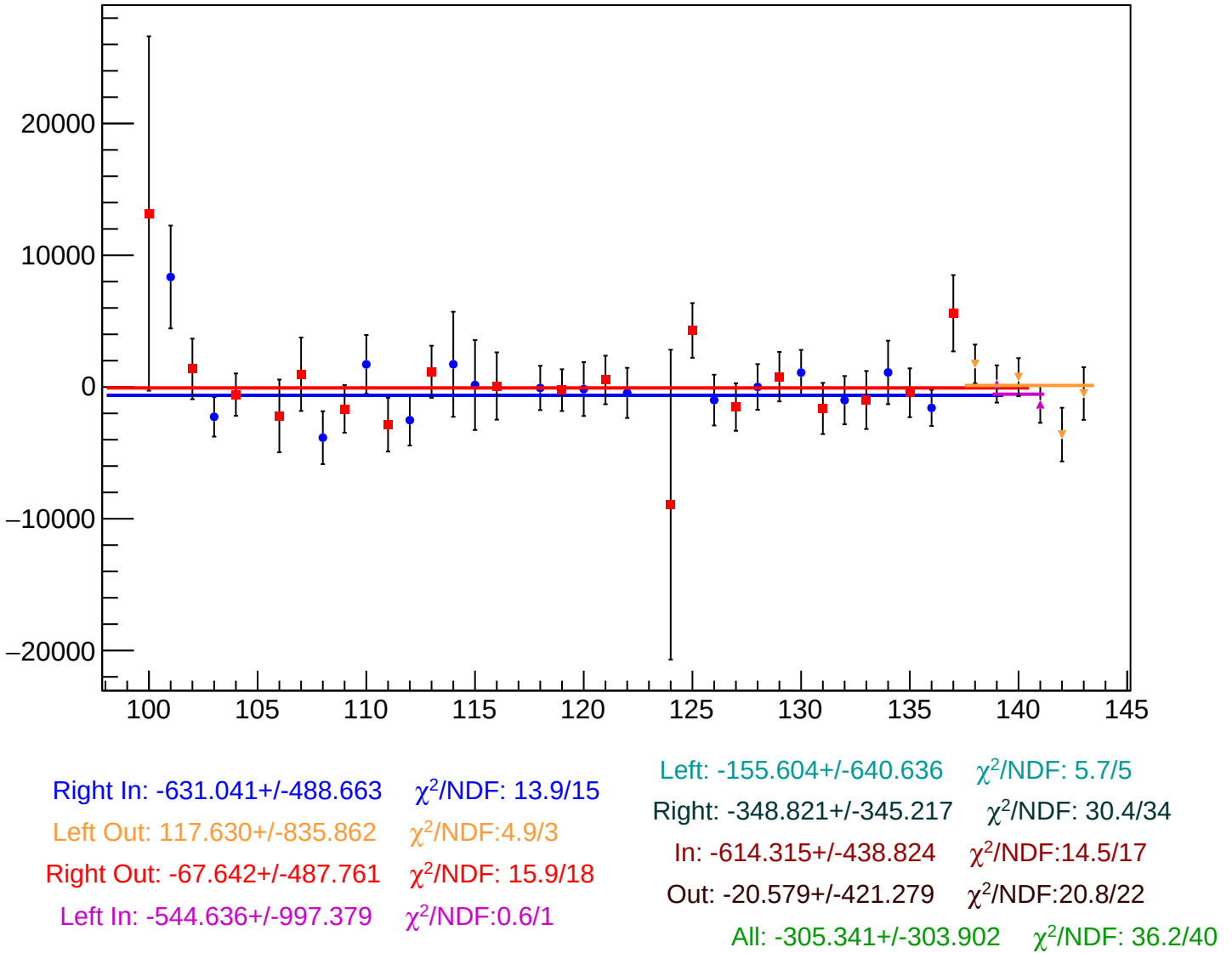
Left: 0.000+/-0.000 χ^2/NDF: 897627.9/5

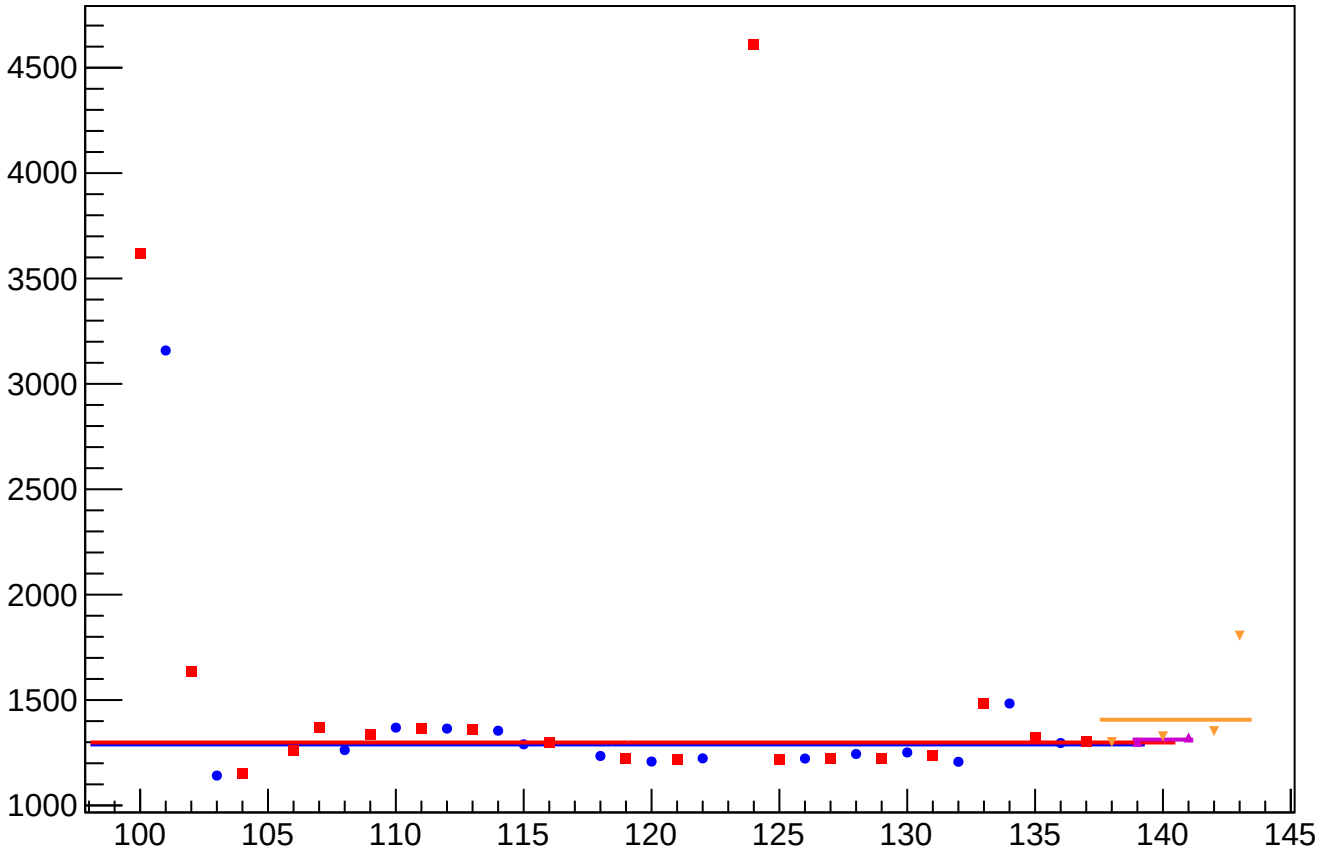
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:4582731.3/17

Out: 0.000+/-0.000 χ^2/NDF:6089741.1/22

All: 0.000+/-0.000 χ^2/NDF: 10874292.5/40


reg_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -631.041+/-488.663 χ²/NDF: 13.9/15
Left Out: 117.630+/-835.862 χ²/NDF:4.9/3
Right Out: -67.642+/-487.761 χ²/NDF: 15.9/18
Left In: -544.636+/-997.379 χ²/NDF:0.6/1
Left: -155.604+/-640.636 χ²/NDF: 5.7/5
Right: -348.821+/-345.217 χ²/NDF: 30.4/34
In: -614.315+/-438.824 χ²/NDF:14.5/17
Out: -20.579+/-421.279 χ²/NDF:20.8/22
All: -305.341+/-303.902 χ²/NDF: 36.2/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

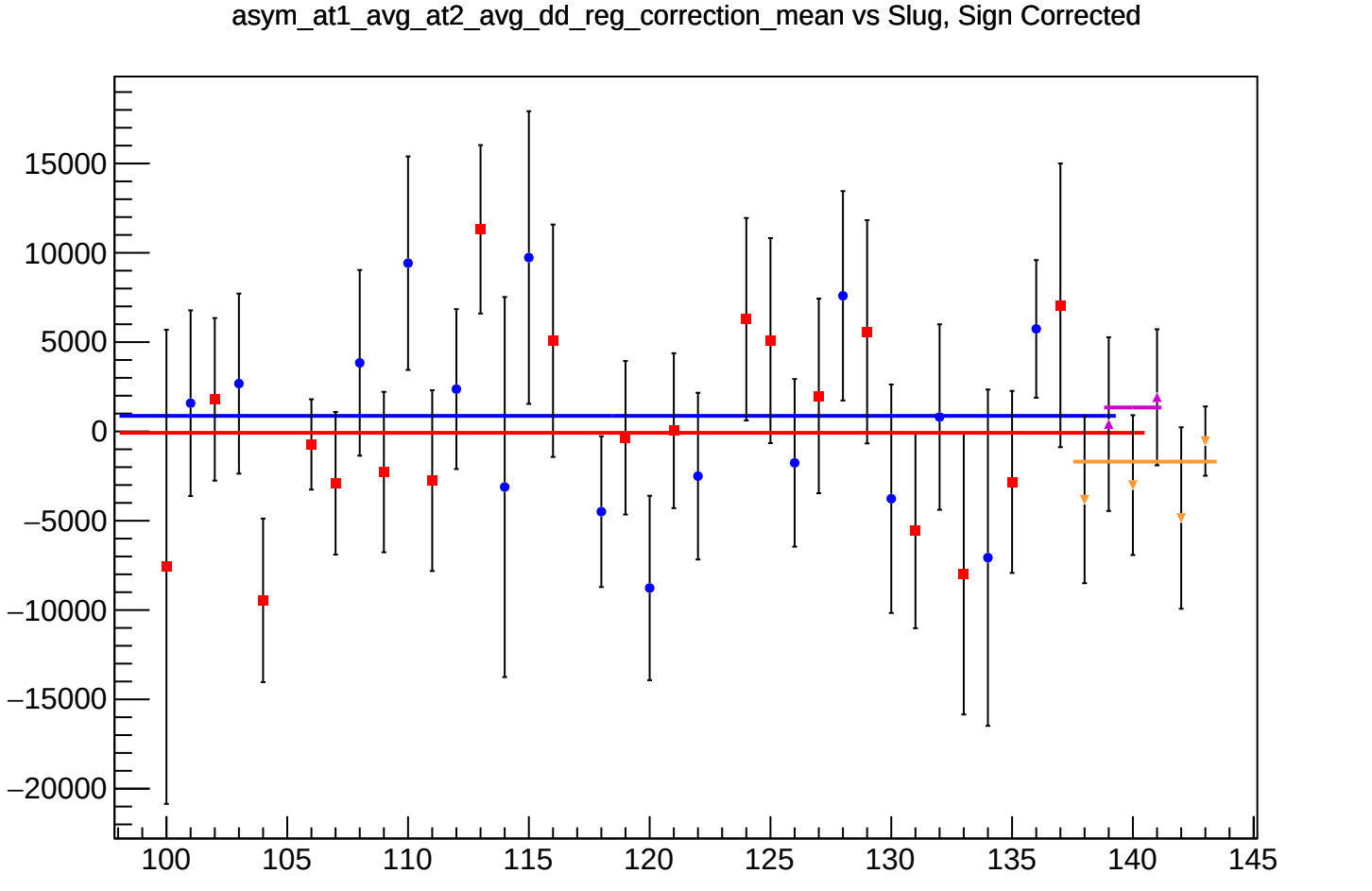
Left: 1367.787+/-0.453 χ^2/NDF: 108093.0/5

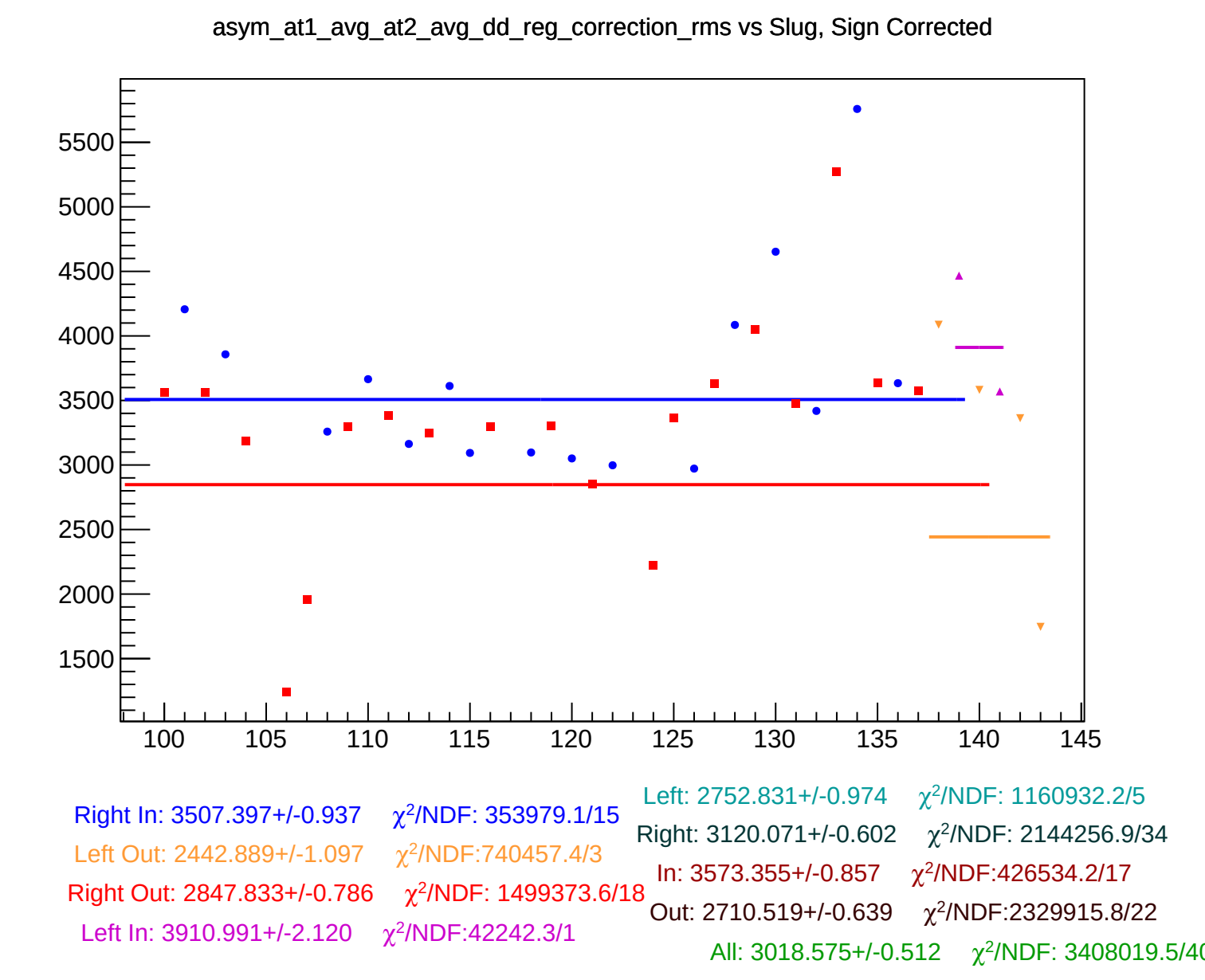
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

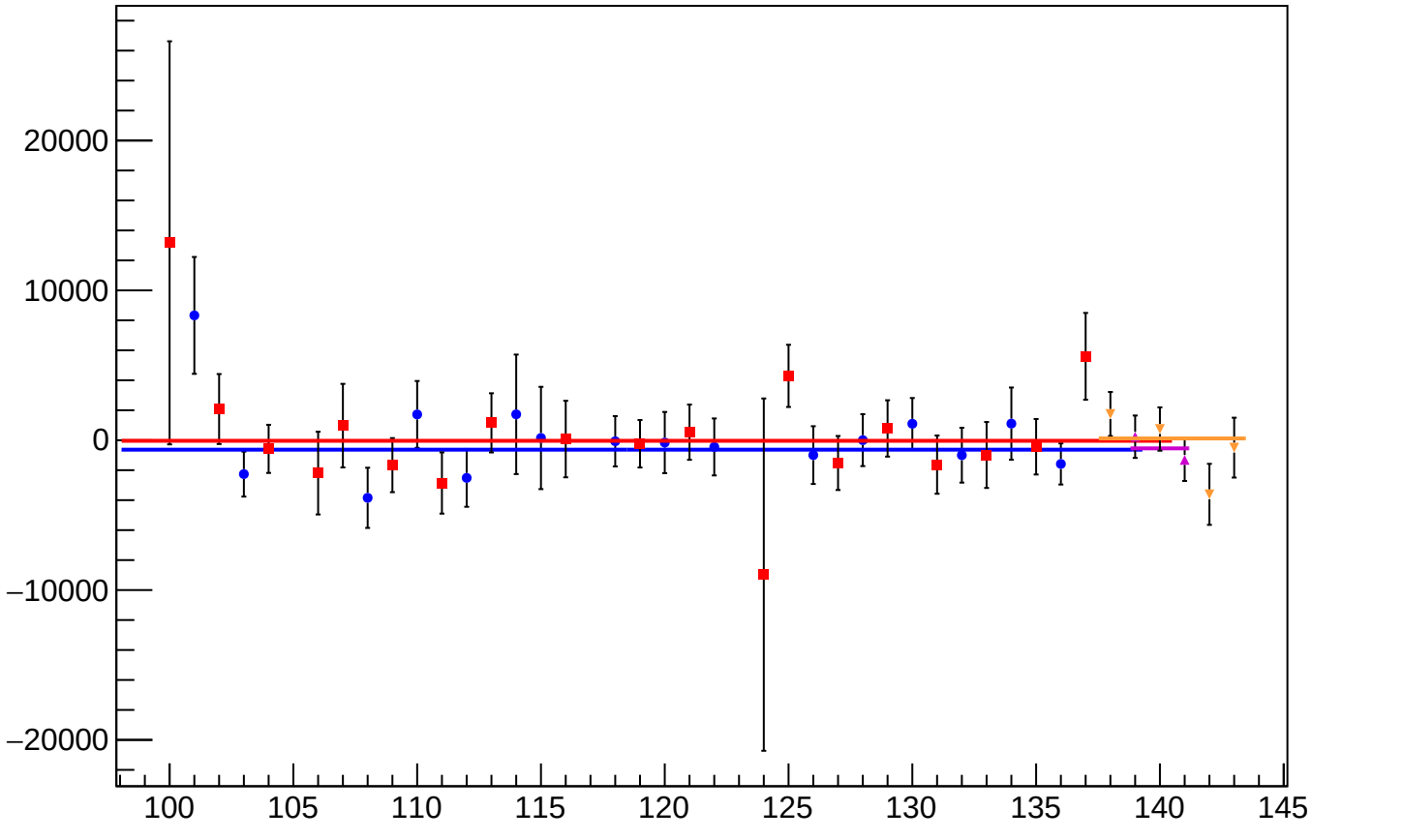
In: 1293.903+/-0.310 χ^2/NDF:515743.3/17

Out: 1325.994+/-0.297 χ^2/NDF:441706.2/22

All: 1310.634+/-0.215 χ^2/NDF: 963026.0/40


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1690.456+/-1551.152 χ²/NDF:1.1/3
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 1340.957+/-2998.457 χ²/NDF:0.1/1
Left: -1050.471+/-1377.718 χ²/NDF: 1.9/5
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 947.213+/-1212.158 χ²/NDF:14.1/17
Out: -624.325+/-903.261 χ²/NDF:20.2/22
All: -63.243+/-724.285 χ²/NDF: 35.3/40


asym_at1_avg_at2_avg_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
145
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2442.889+/-1.097 χ²/NDF:740457.4/3
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3910.991+/-2.120 χ²/NDF:42242.3/1
Left: 2752.831+/-0.974 χ²/NDF: 1160932.2/5
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3573.355+/-0.857 χ²/NDF:426534.2/17
Out: 2710.519+/-0.639 χ²/NDF:2329915.8/22
All: 3018.575+/-0.512 χ²/NDF: 3408019.5/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

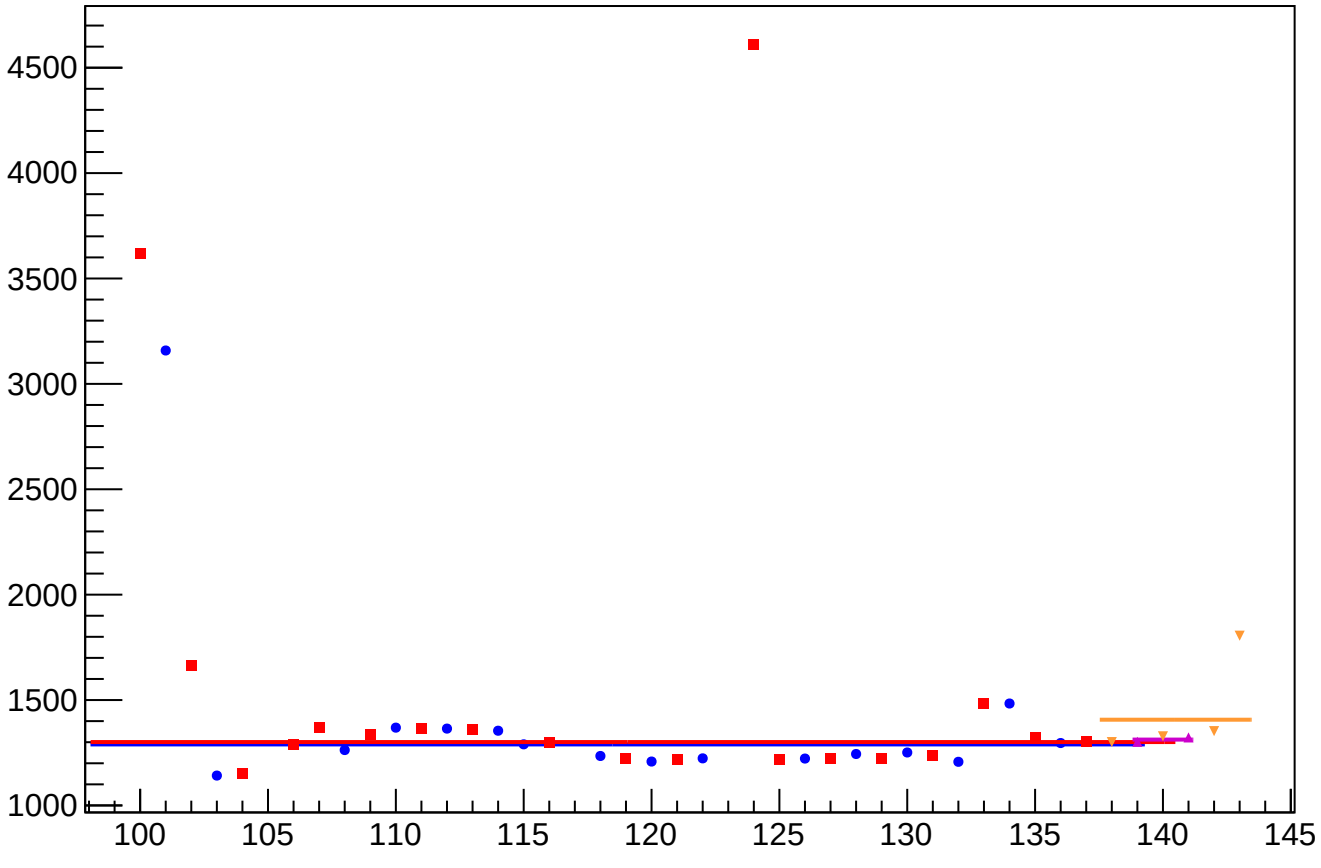
Left: -155.486+/-640.636 χ^2/NDF: 5.7/5

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -294.330+/-303.981 χ^2/NDF: 36.7/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

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: 1367.787+/-0.453 χ^2/NDF: 108093.1/5

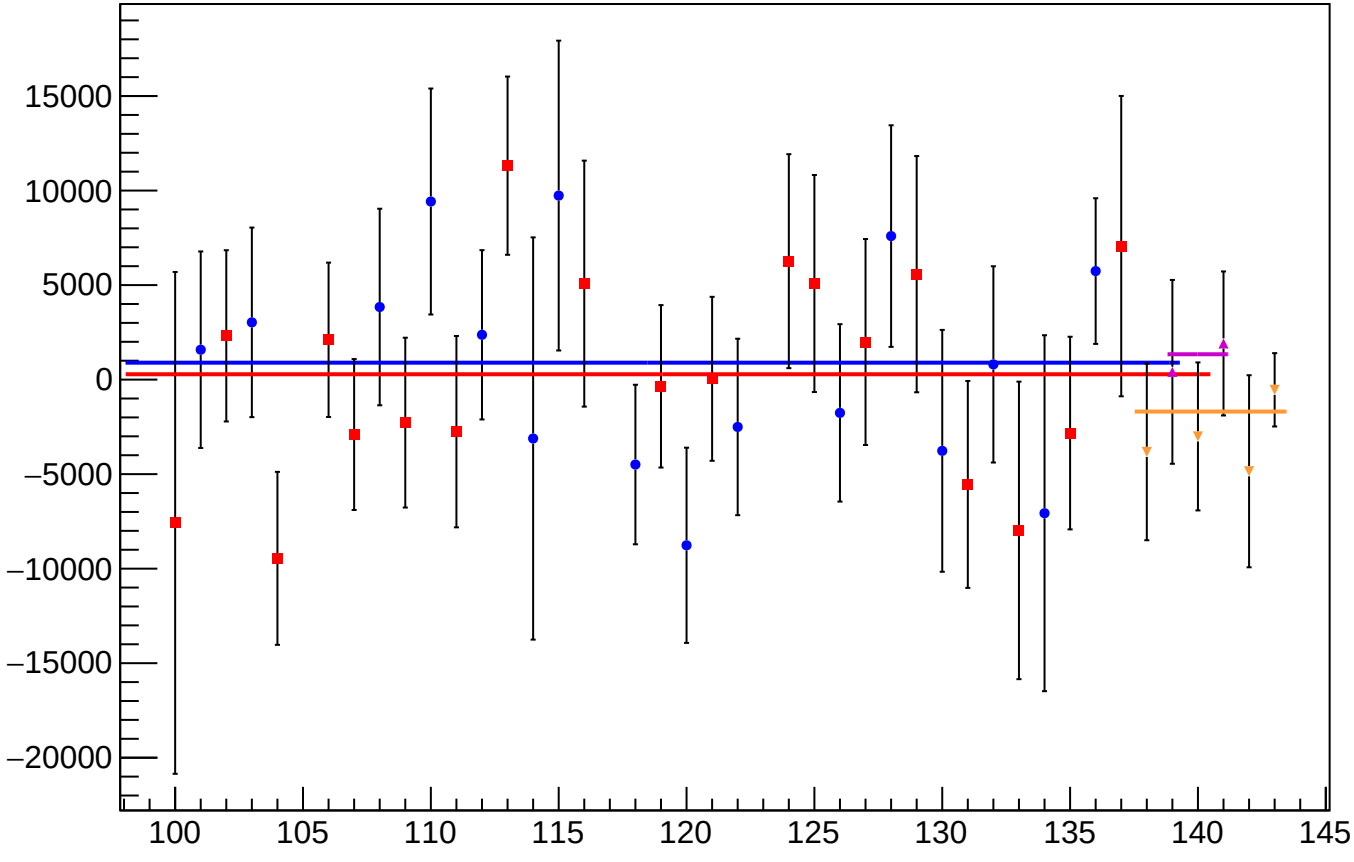
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

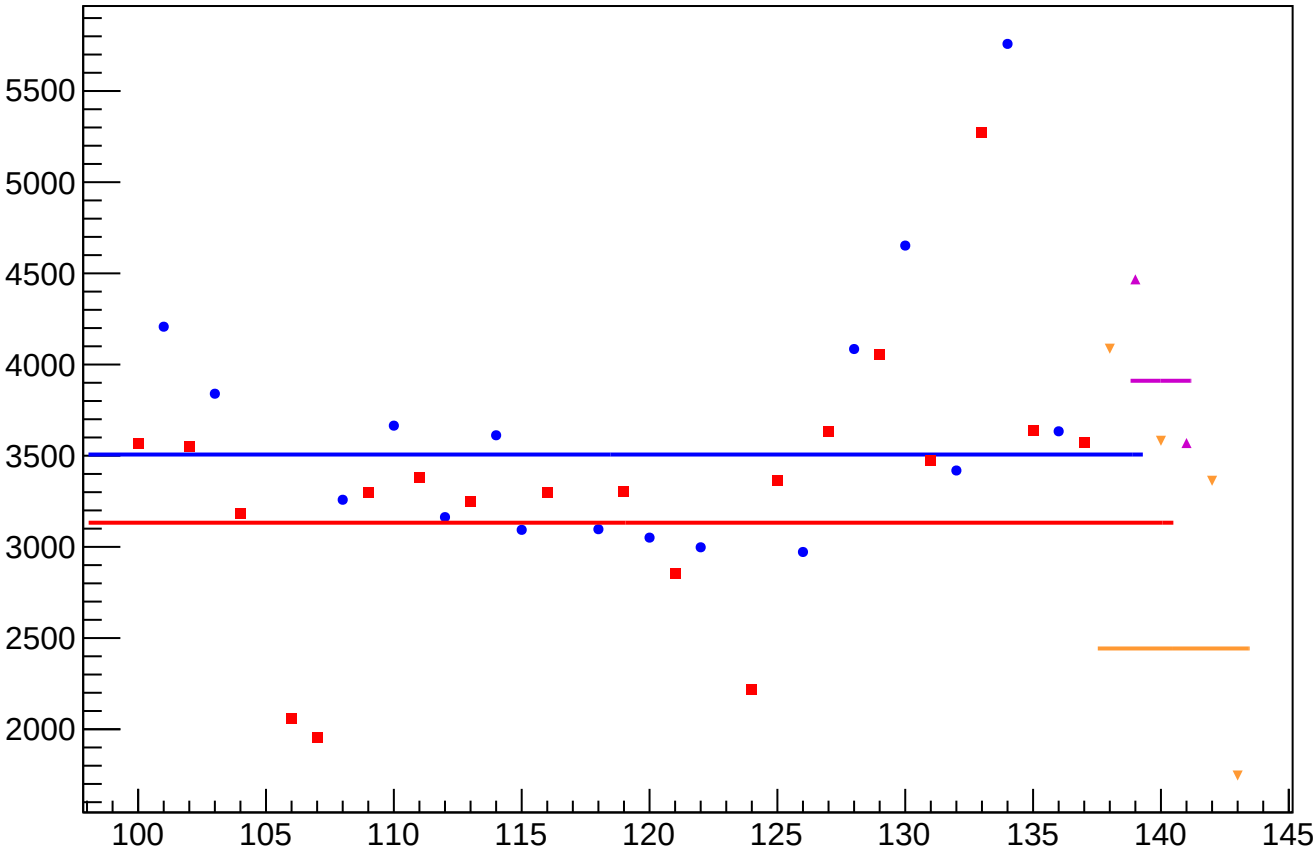
Left: -1050.282+/-1377.713 χ^2/NDF: 1.9/5

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: 88.361+/-743.102 χ^2/NDF: 35.7/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

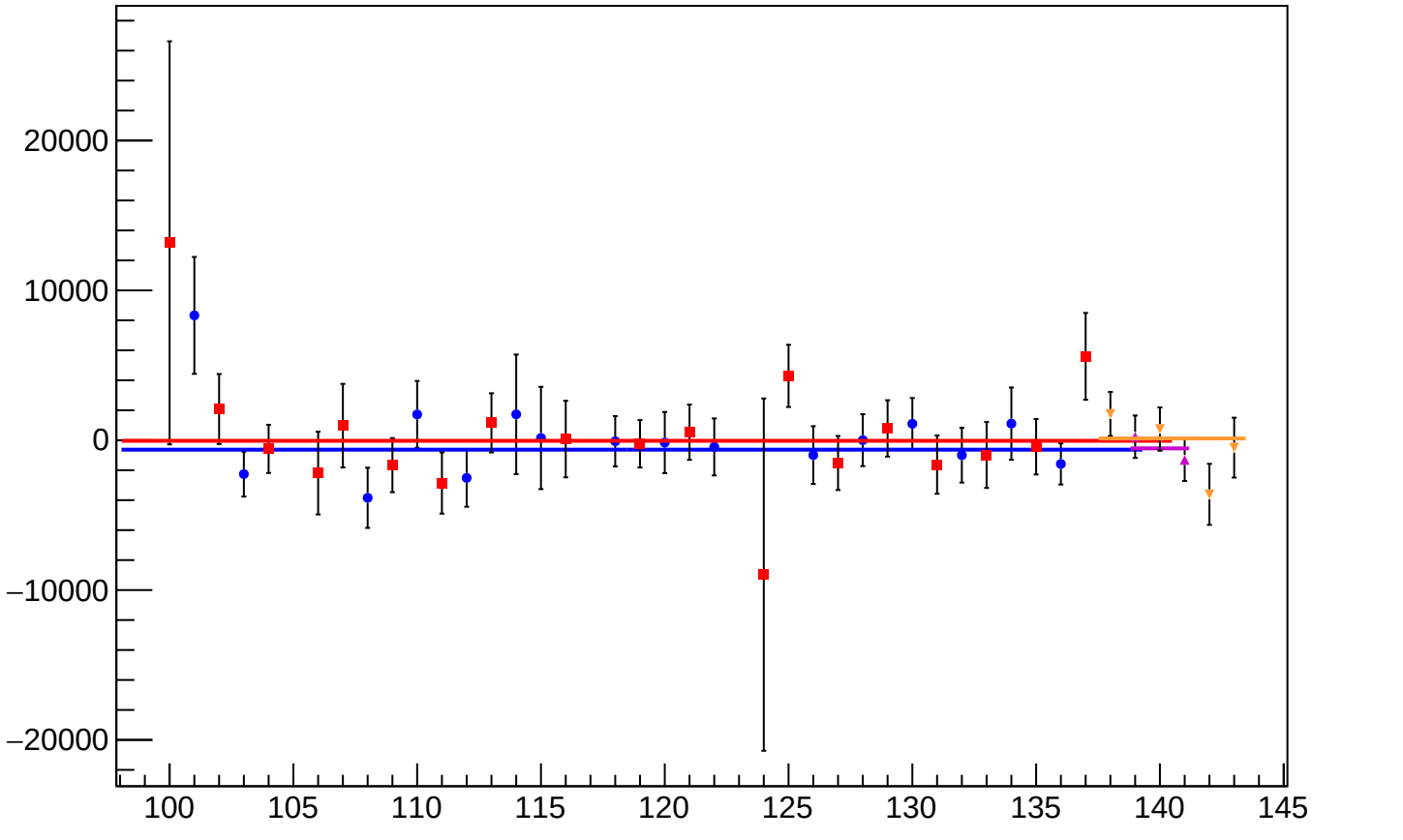
Left: 2752.819+/-0.974 χ^2/NDF: 1160945.1/5

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

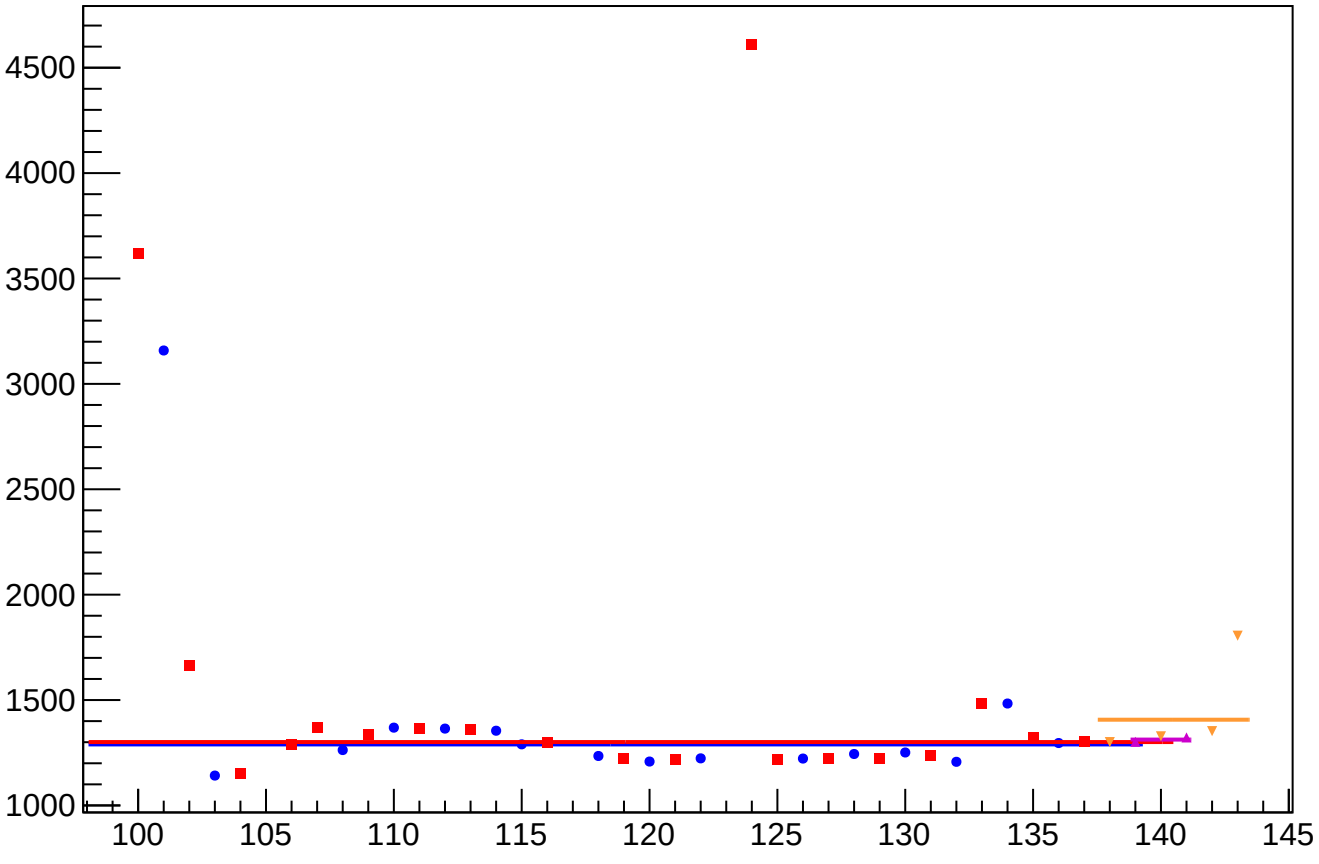
Left: -155.486+/-640.636 χ^2/NDF: 5.7/5

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -294.330+/-303.981 χ^2/NDF: 36.7/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

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: 1367.787+/-0.453 χ^2/NDF: 108093.1/5

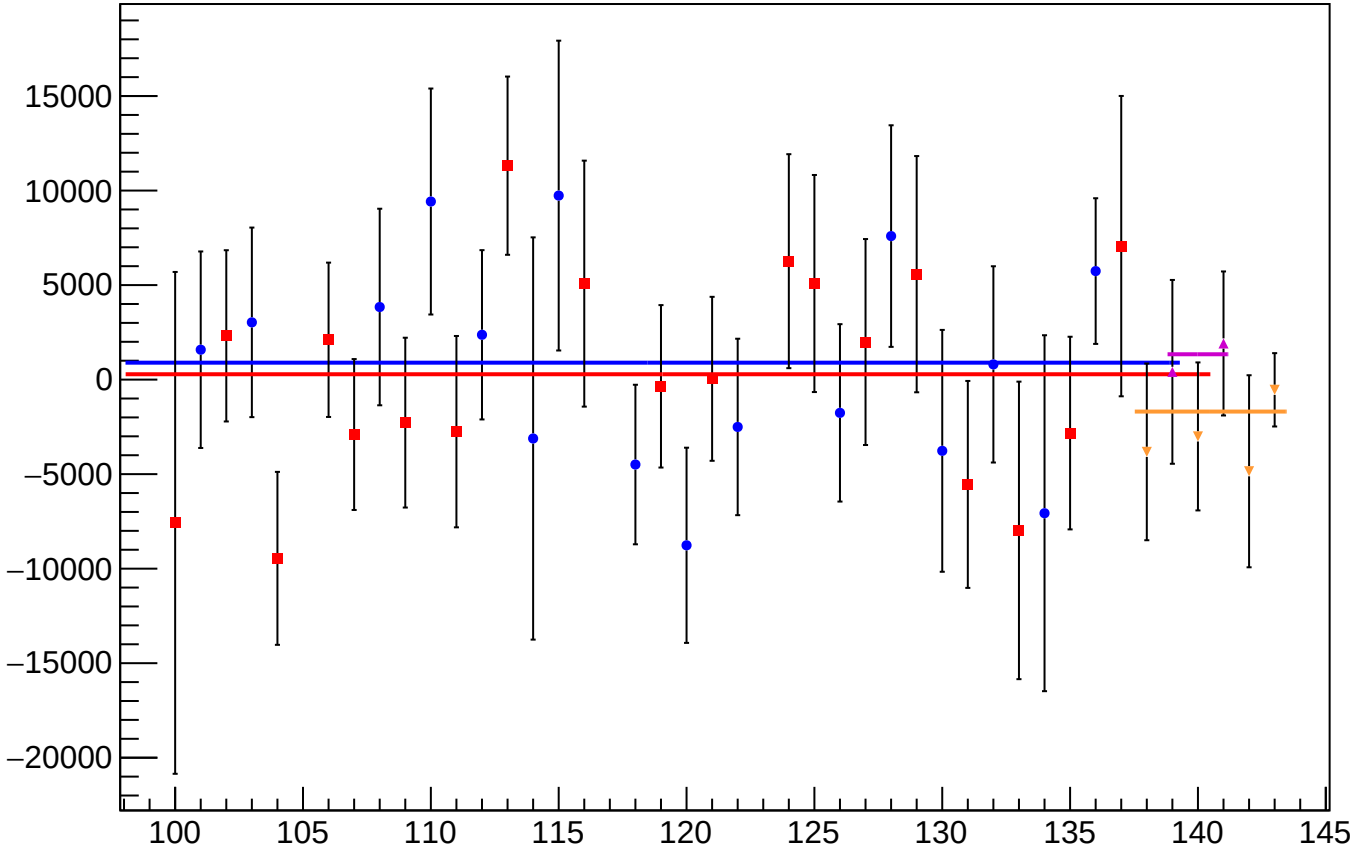
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

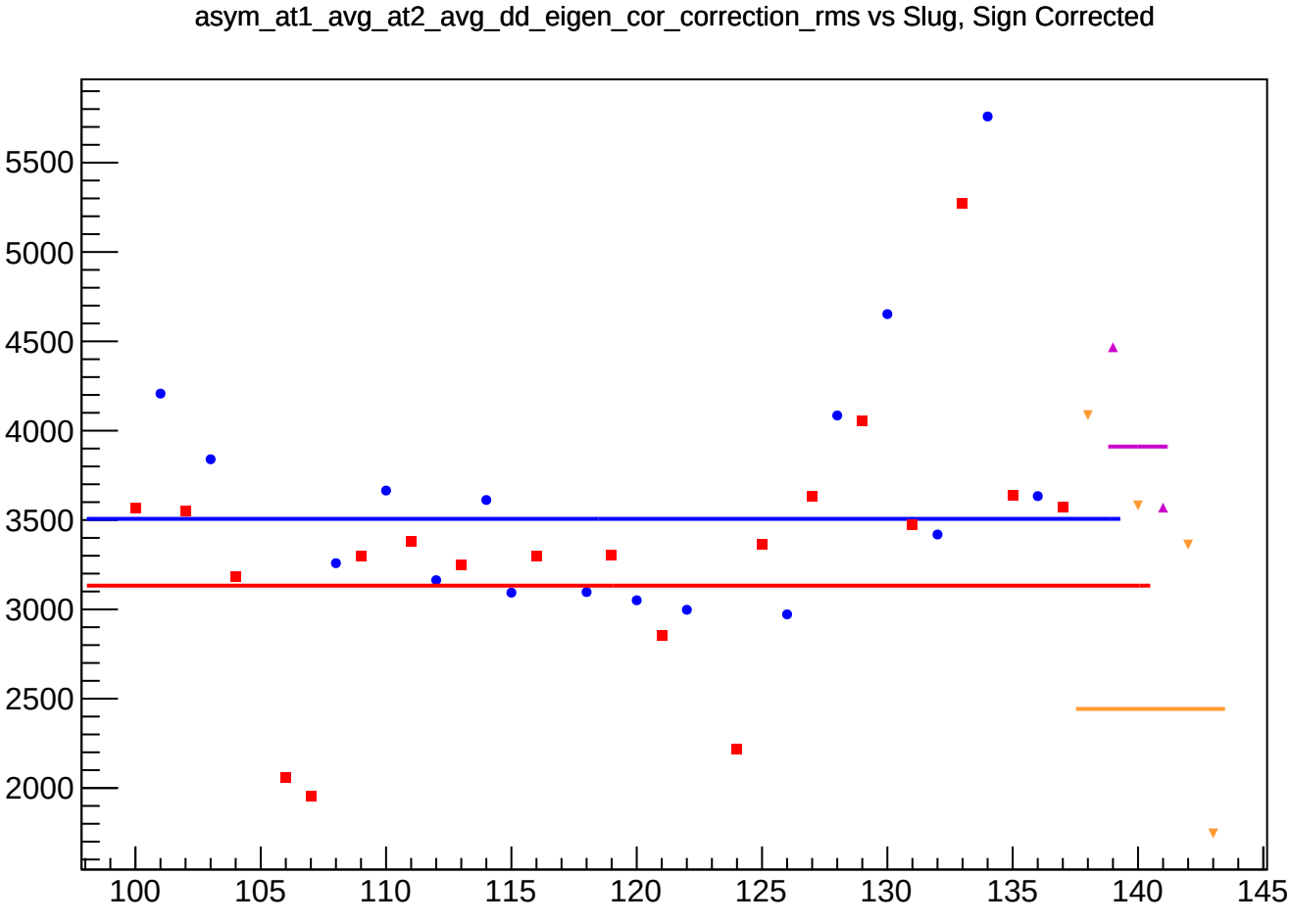
Left: -1050.282+/-1377.713 χ^2/NDF: 1.9/5

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: 88.361+/-743.102 χ^2/NDF: 35.7/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

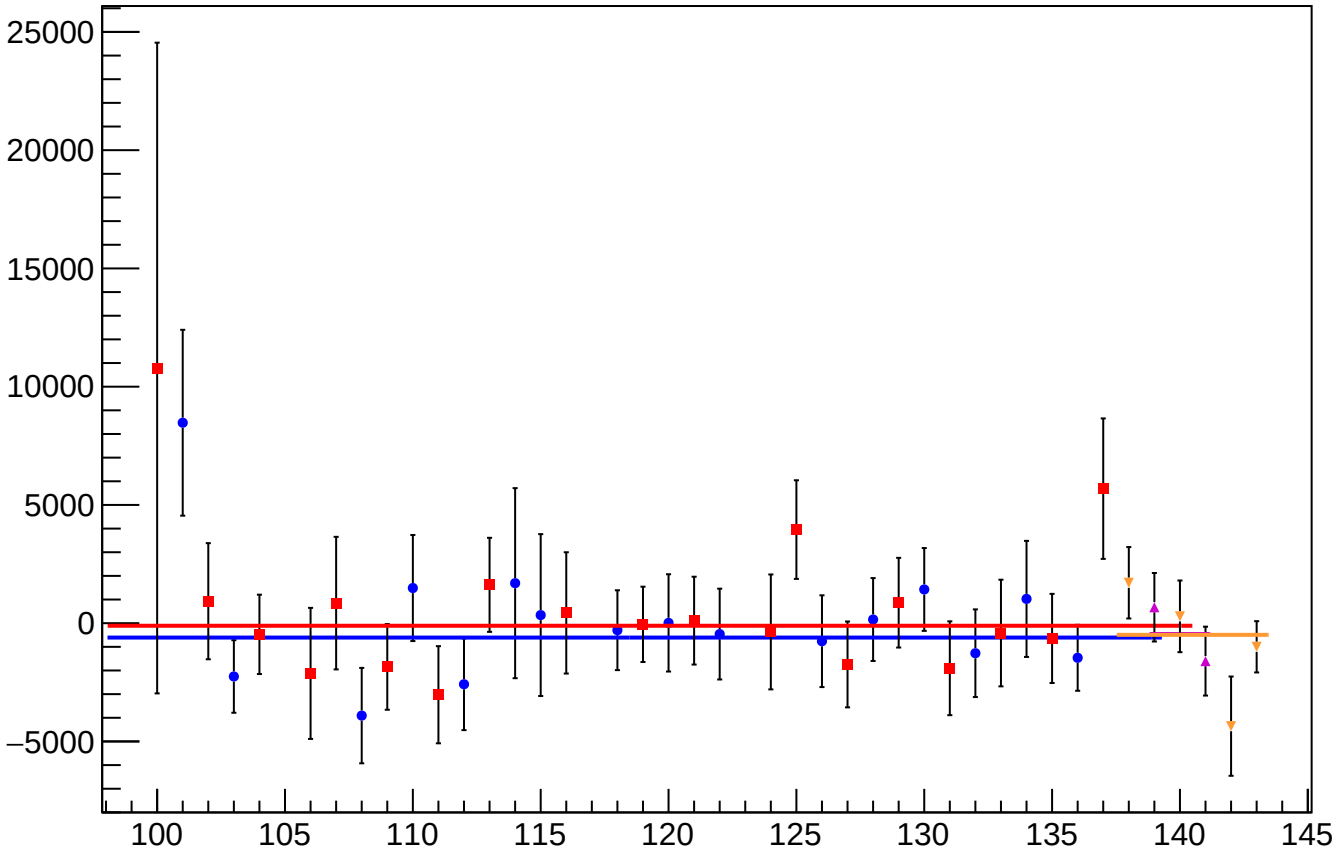
Left: 2752.819+/-0.974 χ^2/NDF: 1160945.1/5

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -458.128+/-1026.913 χ^2/NDF:1.2/1

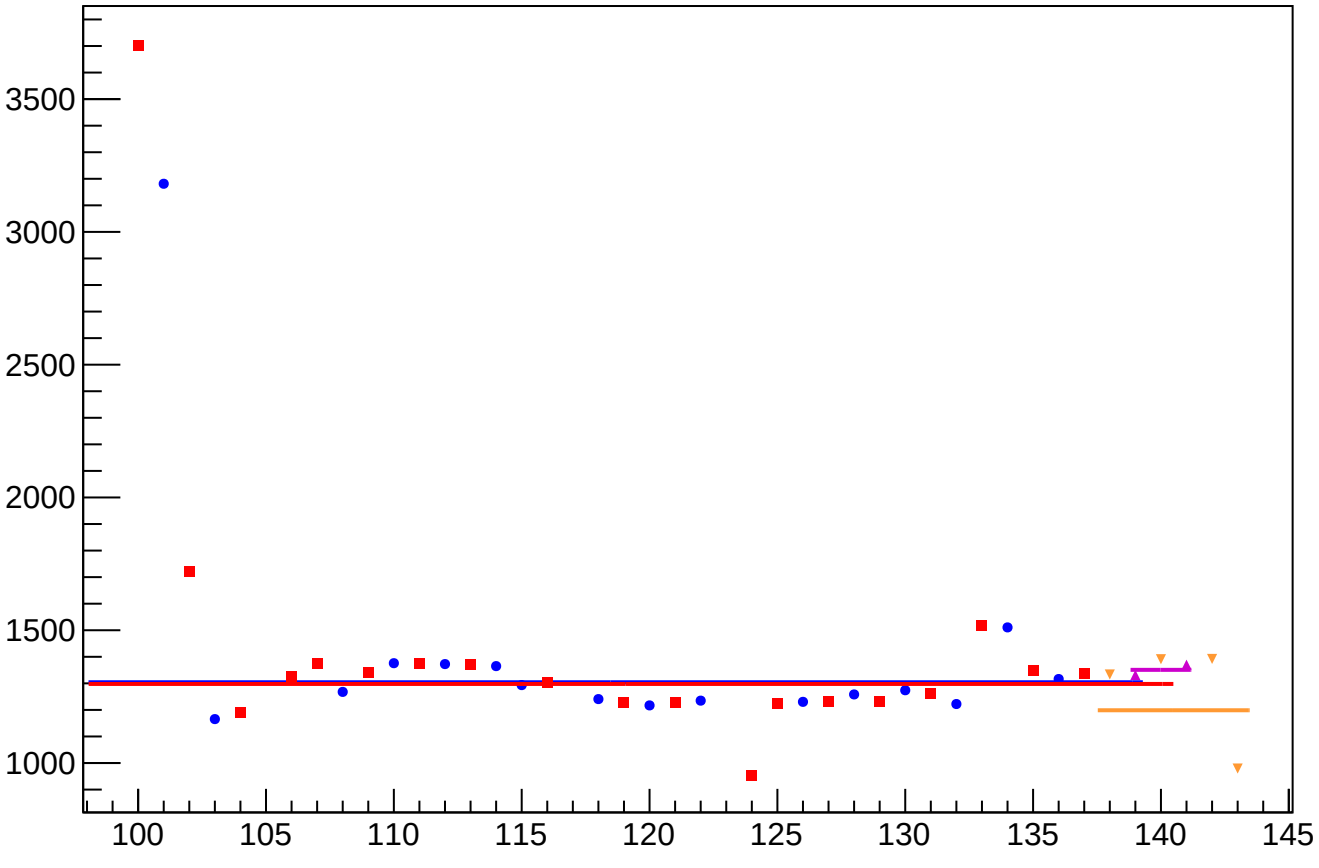
Left: -481.792+/-587.137 χ^2/NDF: 7.2/5

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -579.681+/-445.302 χ^2/NDF:15.4/17

Out: -229.873+/-401.800 χ^2/NDF:21.1/22

All: -386.860+/-298.313 χ^2/NDF: 36.8/40



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1350.869+/-0.726 χ^2/NDF:712.8/1

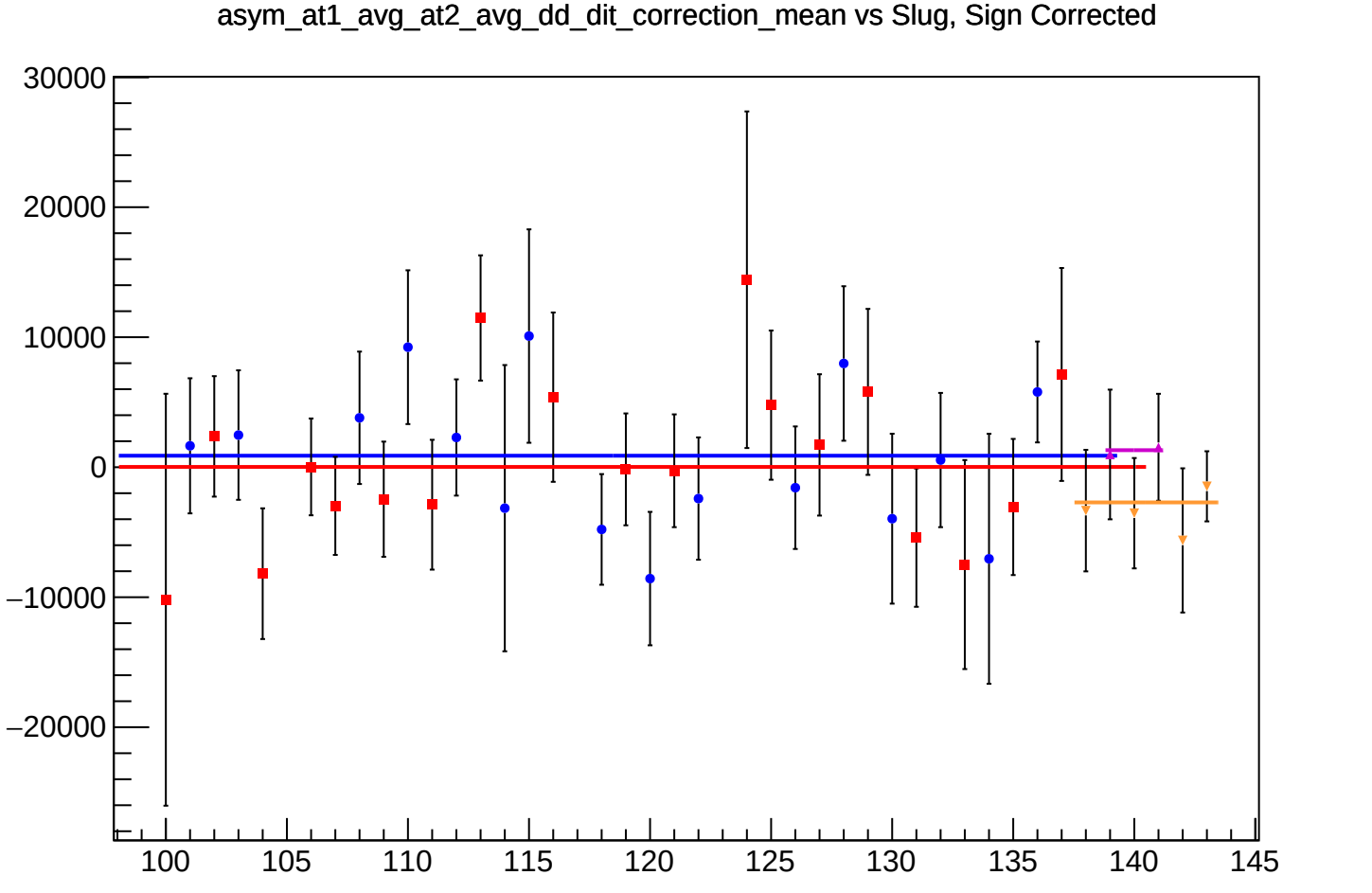
Left: 1248.426+/-0.415 χ^2/NDF: 177339.7/5

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1312.896+/-0.315 χ^2/NDF:514670.3/17

Out: 1266.582+/-0.284 χ^2/NDF:386440.0/22

All: 1287.355+/-0.211 χ^2/NDF: 913041.4/40



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2707.656+/-1920.099 χ^2/NDF:0.5/3

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: -1631.198+/-1642.801 χ^2/NDF: 1.7/5

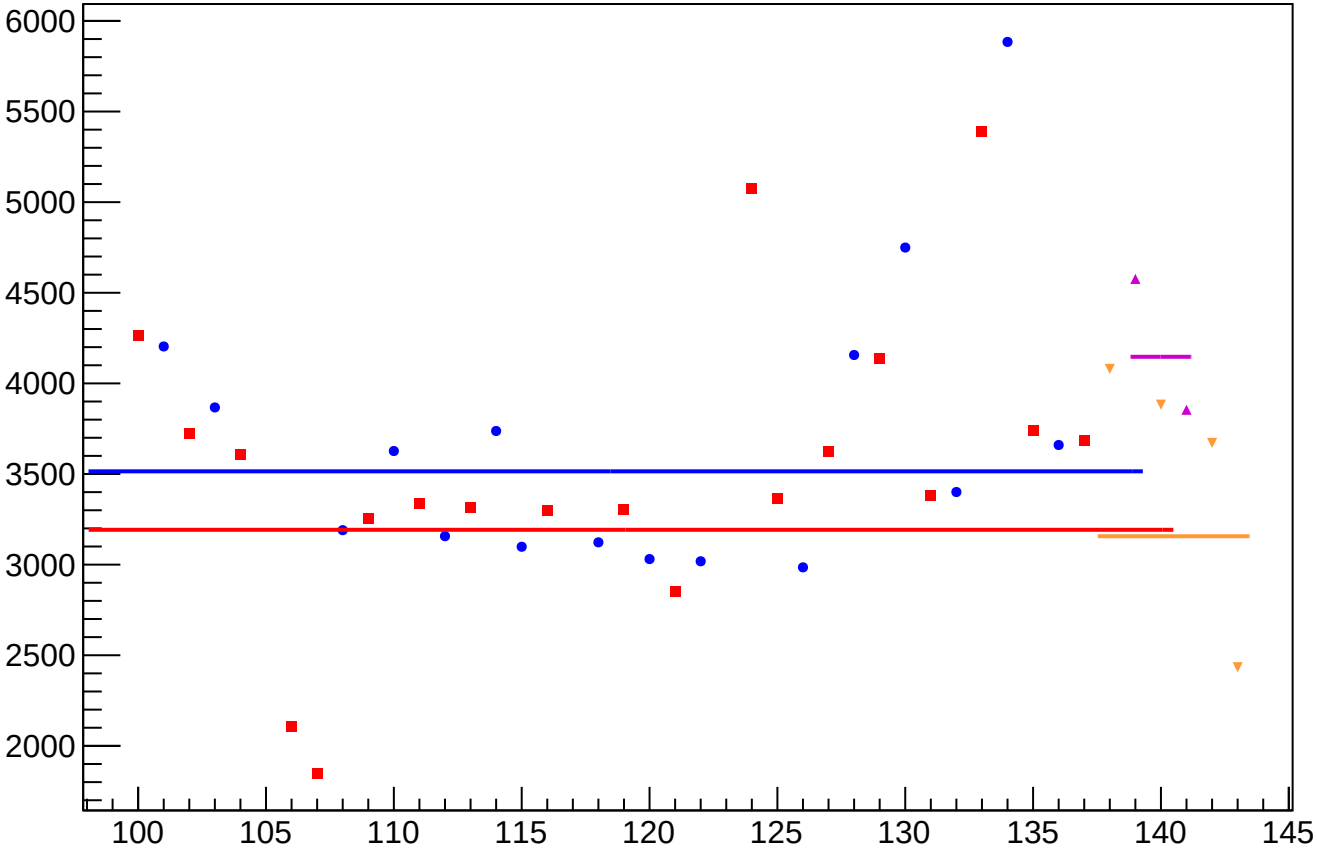
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 947.373+/-1224.588 χ^2/NDF:14.1/17

Out: -745.662+/-1017.622 χ^2/NDF:18.8/22

All: -54.099+/-782.660 χ^2/NDF: 34.1/40

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

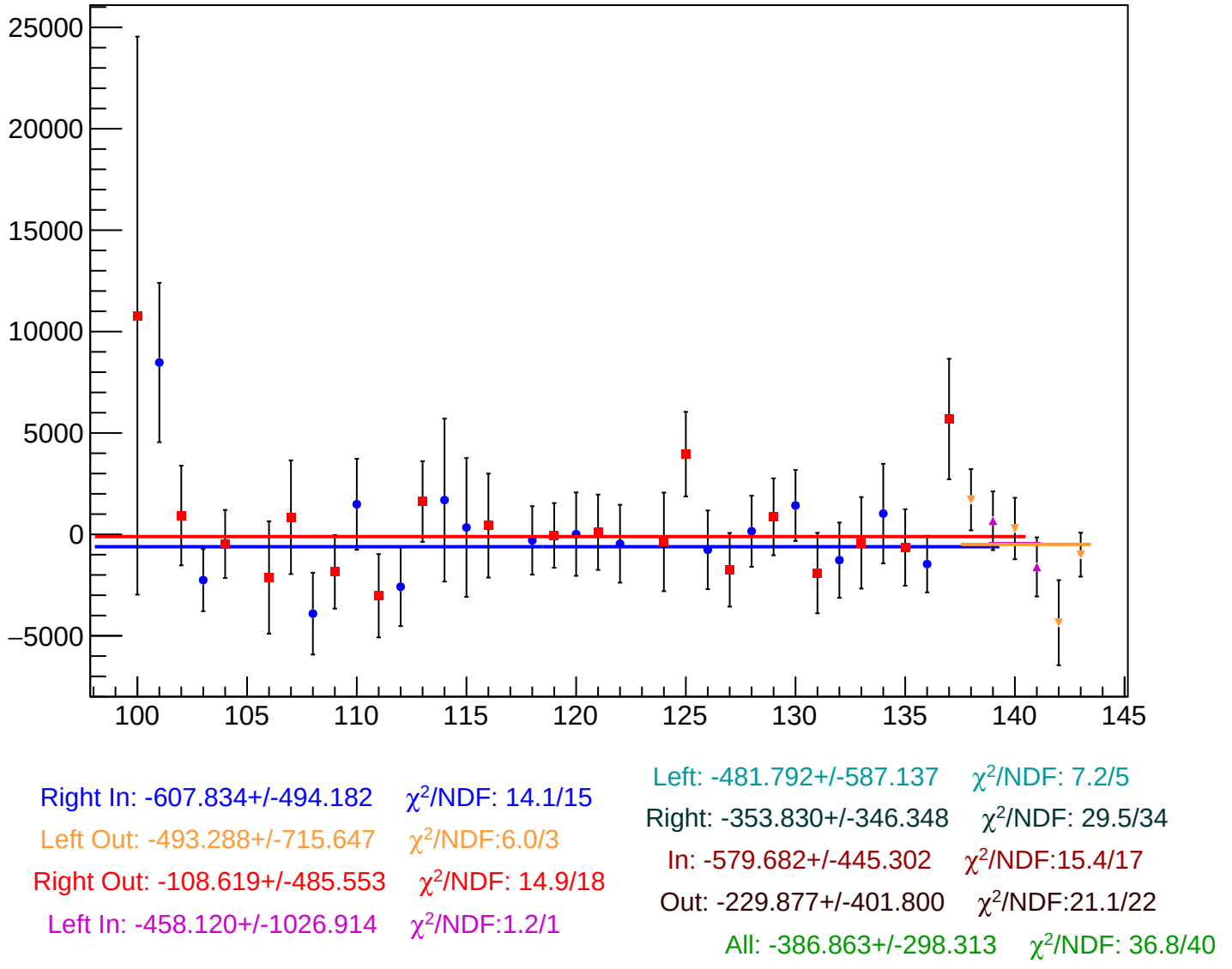
Left: 3421.977+/-1.162 χ^2/NDF: 464853.7/5

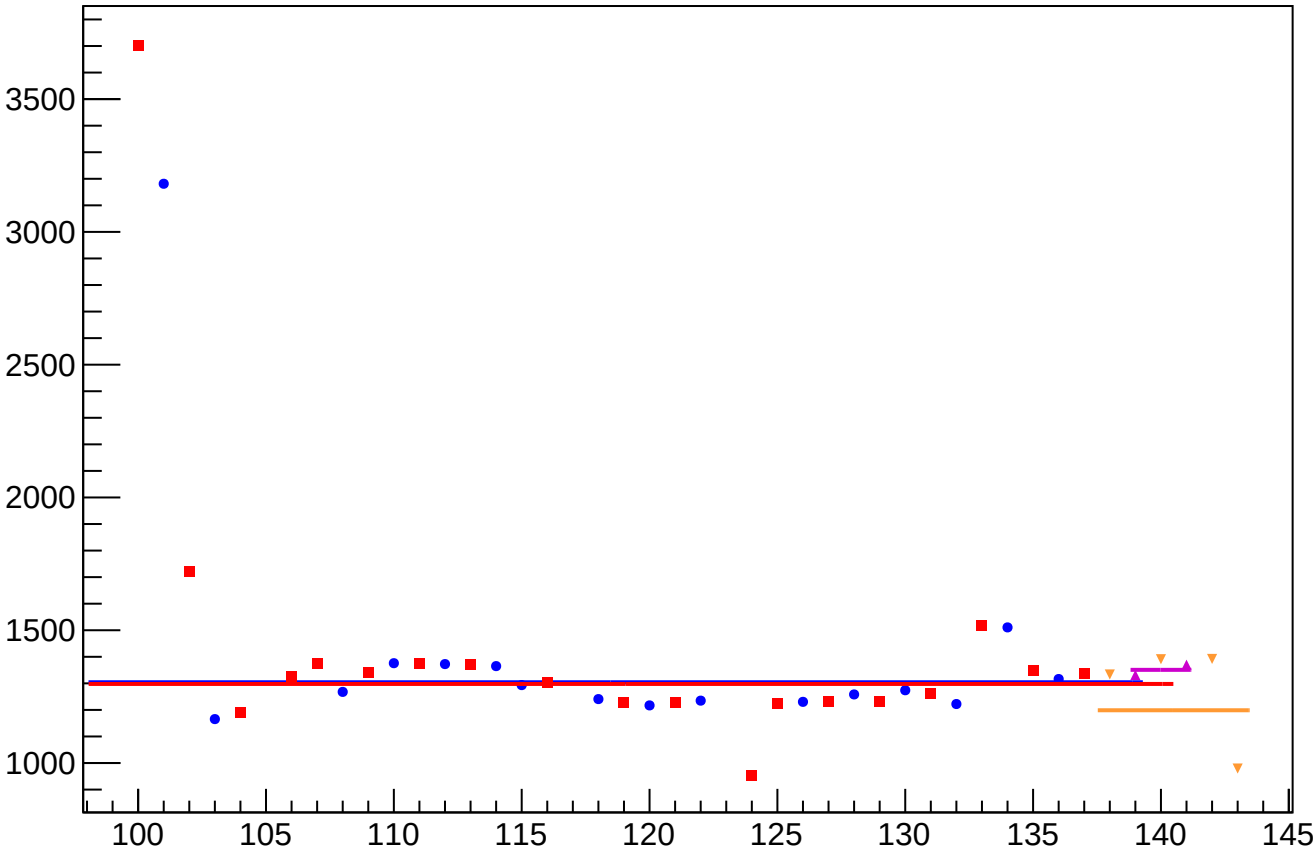
Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3608.863+/-0.866 χ^2/NDF:467543.2/17

Out: 3182.211+/-0.720 χ^2/NDF:1070371.2/22

All: 3356.488+/-0.553 χ^2/NDF: 1681519.4/40


eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
105
110
115
120
125
130
135
140
145
Right In: -607.834+/-494.182 χ²/NDF: 14.1/15
Left Out: -493.288+/-715.647 χ²/NDF:6.0/3
Right Out: -108.619+/-485.553 χ²/NDF: 14.9/18
Left In: -458.120+/-1026.914 χ²/NDF:1.2/1
Left: -481.792+/-587.137 χ²/NDF: 7.2/5
Right: -353.830+/-346.348 χ²/NDF: 29.5/34
In: -579.682+/-445.302 χ²/NDF:15.4/17
Out: -229.877+/-401.800 χ²/NDF:21.1/22
All: -386.863+/-298.313 χ²/NDF: 36.8/40



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

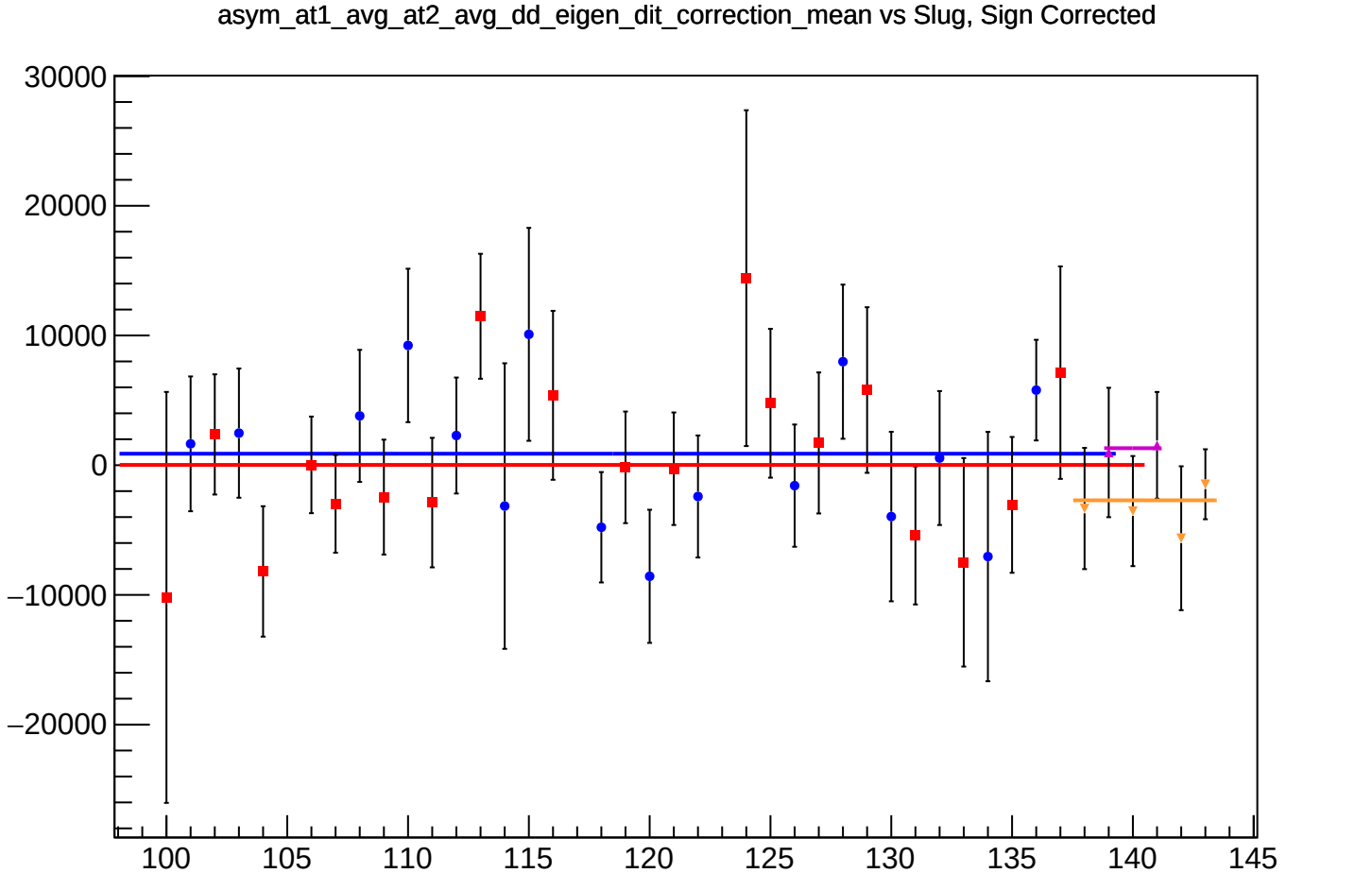
Left: 1248.427+/-0.415 χ^2/NDF: 177339.5/5

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1312.896+/-0.315 χ^2/NDF:514670.6/17

Out: 1266.582+/-0.284 χ^2/NDF:386439.5/22

All: 1287.355+/-0.211 χ^2/NDF: 913041.1/40



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1309.271+/-3173.463 χ^2/NDF:0.0/1

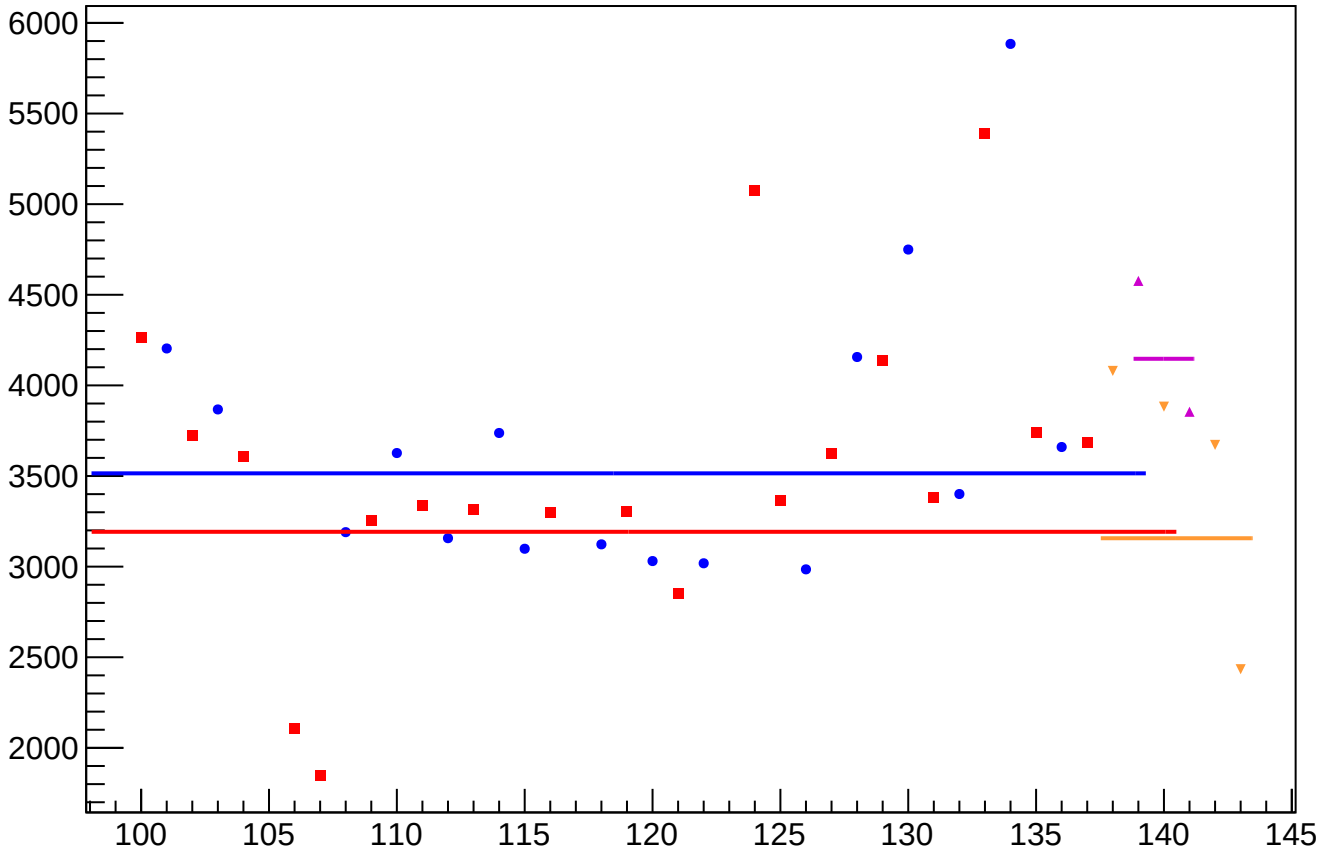
Left: -1631.198+/-1642.803 χ^2/NDF: 1.7/5

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 947.365+/-1224.586 χ^2/NDF:14.1/17

Out: -745.661+/-1017.620 χ^2/NDF:18.8/22

All: -54.102+/-782.658 χ^2/NDF: 34.1/40



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3156.634+/-1.358 χ^2/NDF:297382.2/3

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4146.807+/-2.244 χ^2/NDF:24942.3/1

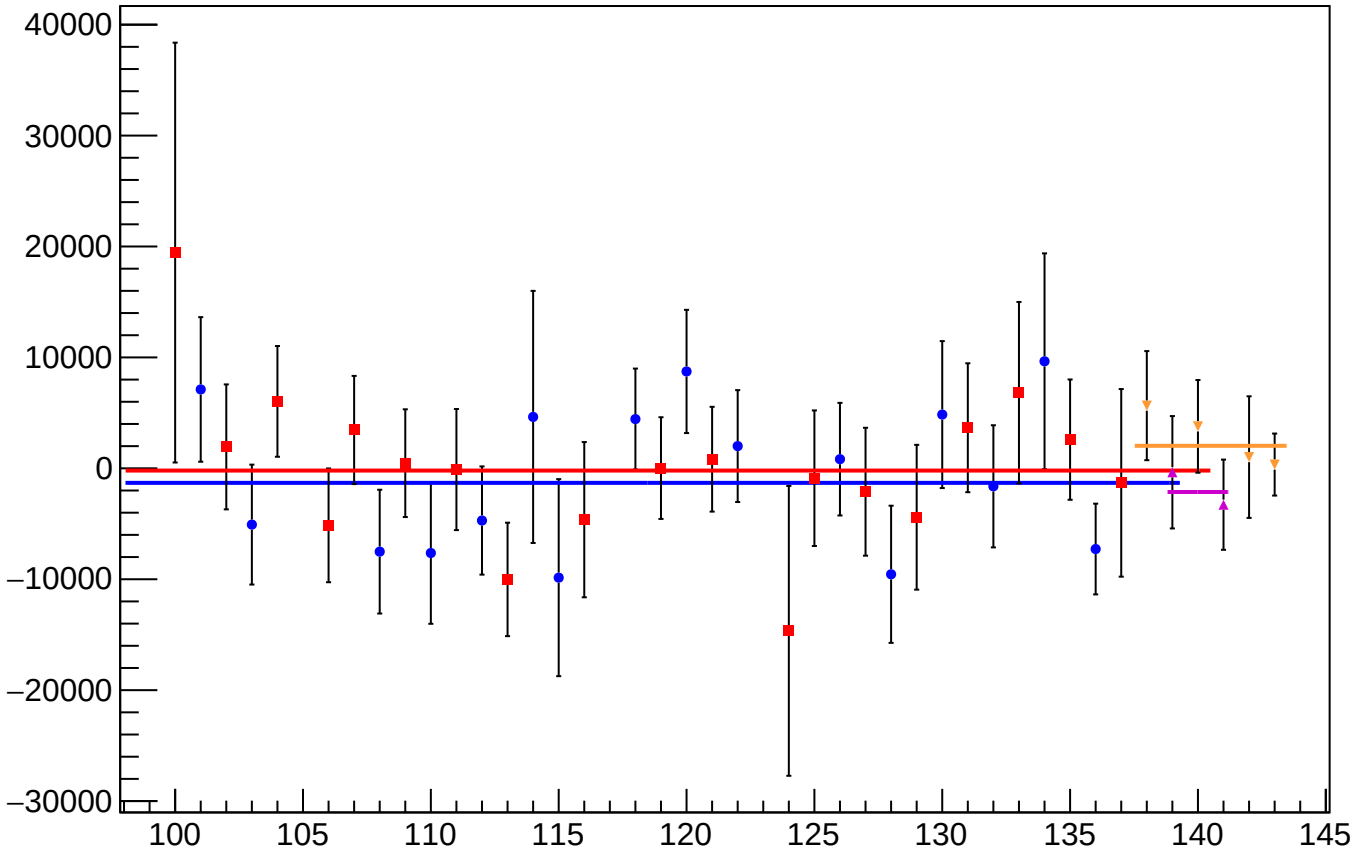
Left: 3421.982+/-1.162 χ^2/NDF: 464854.7/5

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3608.855+/-0.866 χ^2/NDF:467551.1/17

Out: 3182.207+/-0.720 χ^2/NDF:1070373.5/22

All: 3356.482+/-0.553 χ^2/NDF: 1681527.9/40



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2029.752+/-1961.527 χ^2/NDF:1.1/3

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -2133.541+/-3171.289 χ^2/NDF:0.2/1

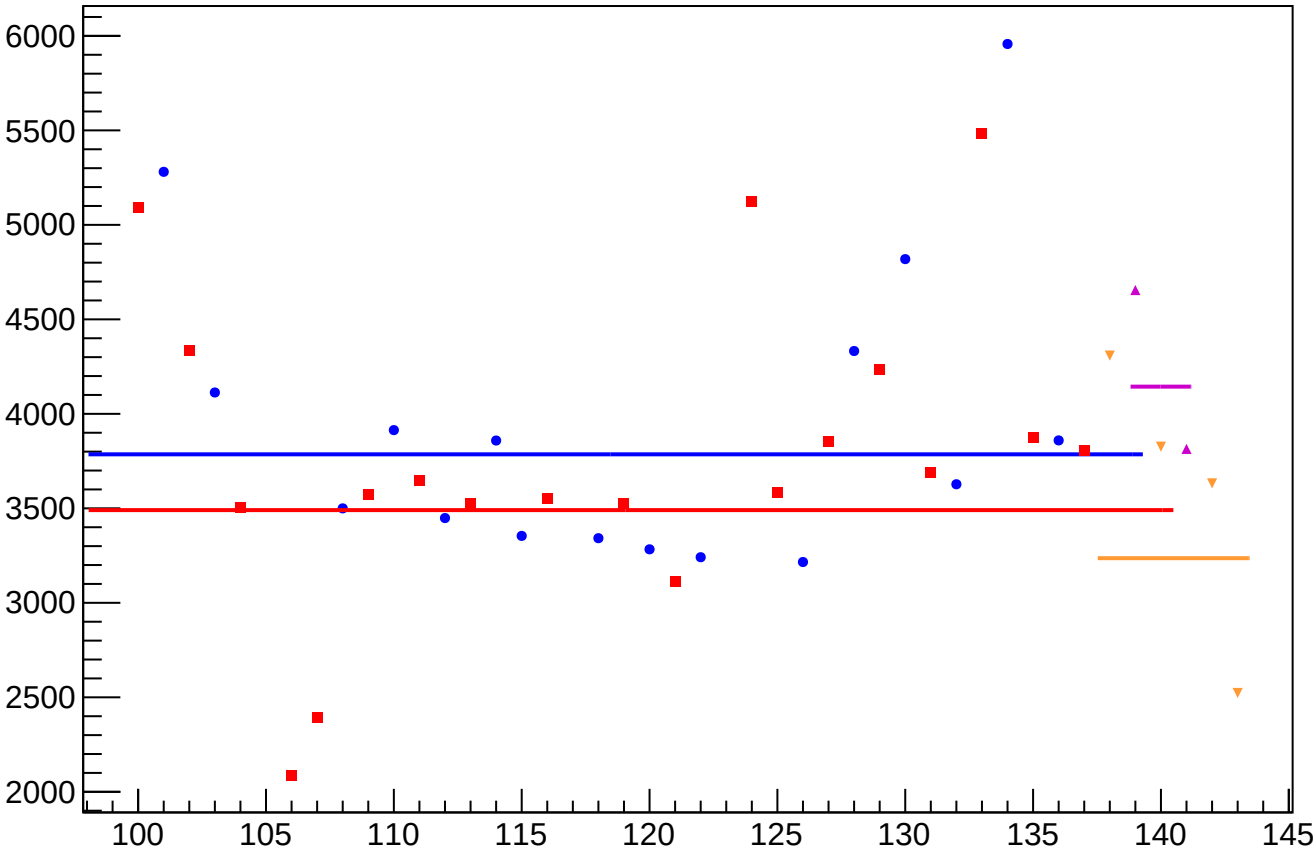
Left: 877.719+/-1668.207 χ^2/NDF: 2.6/5

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -1448.878+/-1304.828 χ^2/NDF:17.8/17

Out: 505.550+/-1104.243 χ^2/NDF:13.6/22

All: -310.054+/-842.914 χ^2/NDF: 32.8/40



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

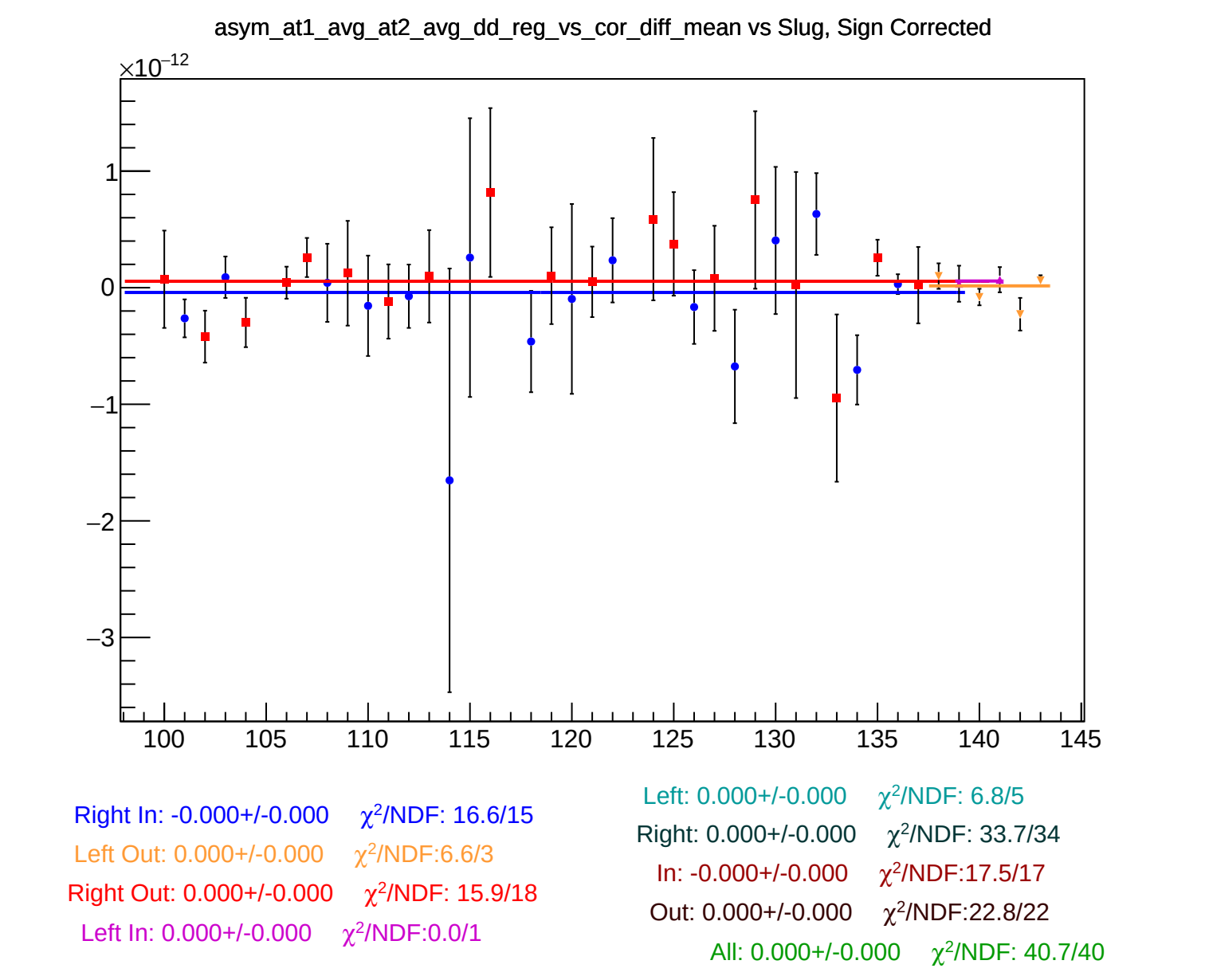
Left: 3487.450+/-1.180 χ^2/NDF: 427561.4/5

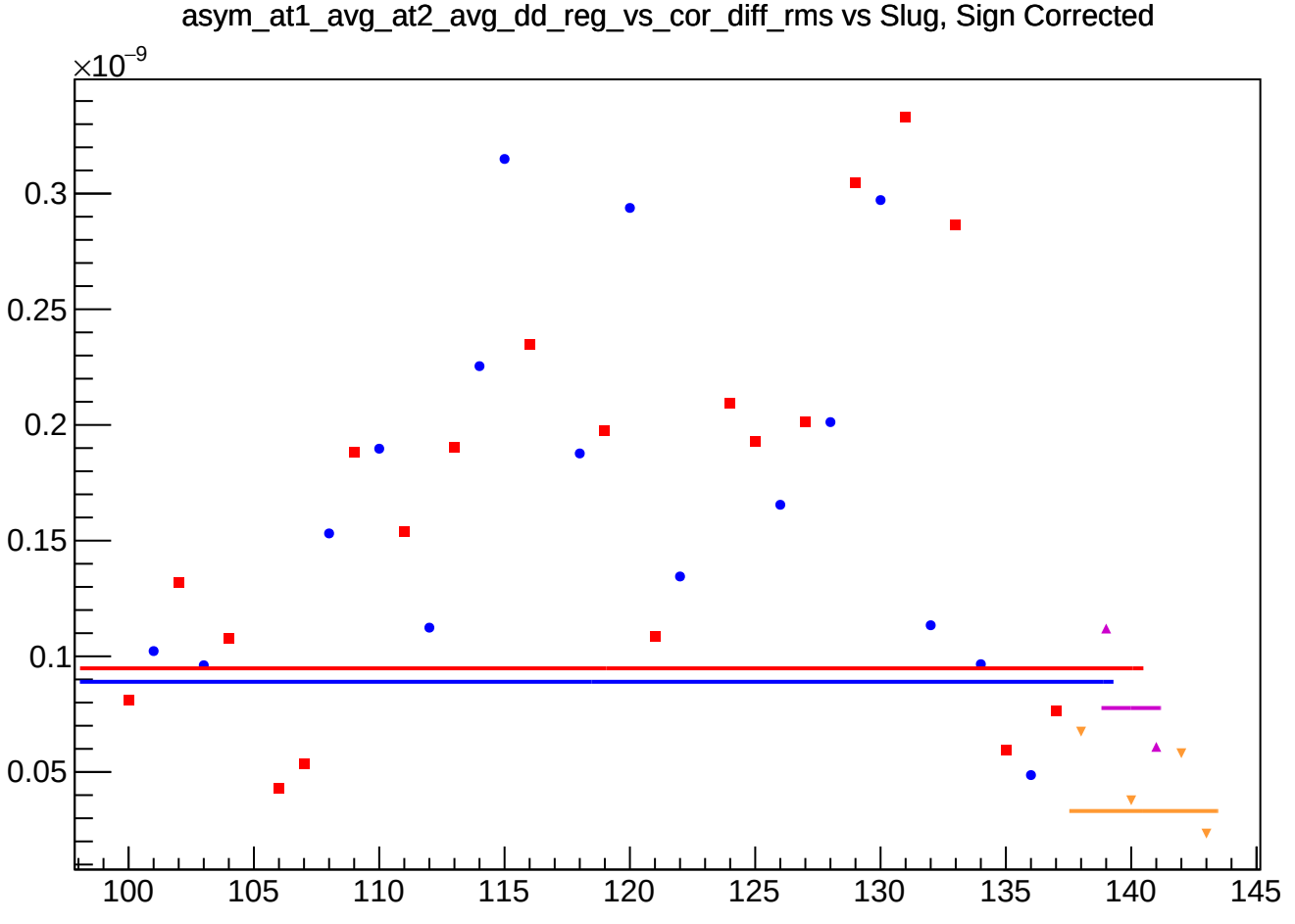
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3846.413+/-0.923 χ^2/NDF:437666.8/17

Out: 3411.516+/-0.773 χ^2/NDF:885458.1/22

All: 3591.016+/-0.593 χ^2/NDF: 1453600.9/40


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:0.0/1
Left: 0.000+/-0.000 χ²/NDF: 6.8/5
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:17.5/17
Out: 0.000+/-0.000 χ²/NDF:22.8/22
All: 0.000+/-0.000 χ²/NDF: 40.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

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: 952327.5/5

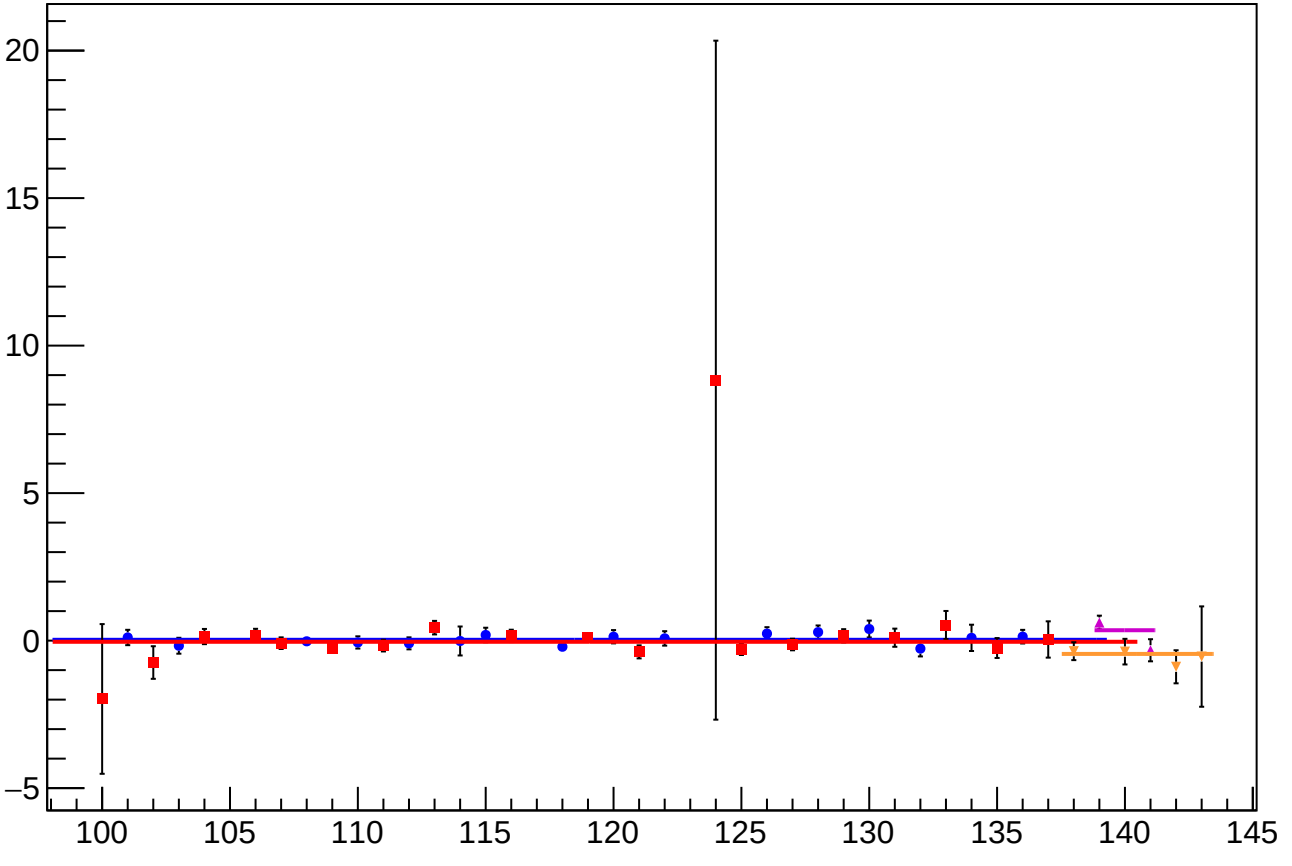
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1630065.3/17

Out: 0.000+/-0.000 χ^2/NDF:3545840.5/22

All: 0.000+/-0.000 χ^2/NDF: 6072633.0/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

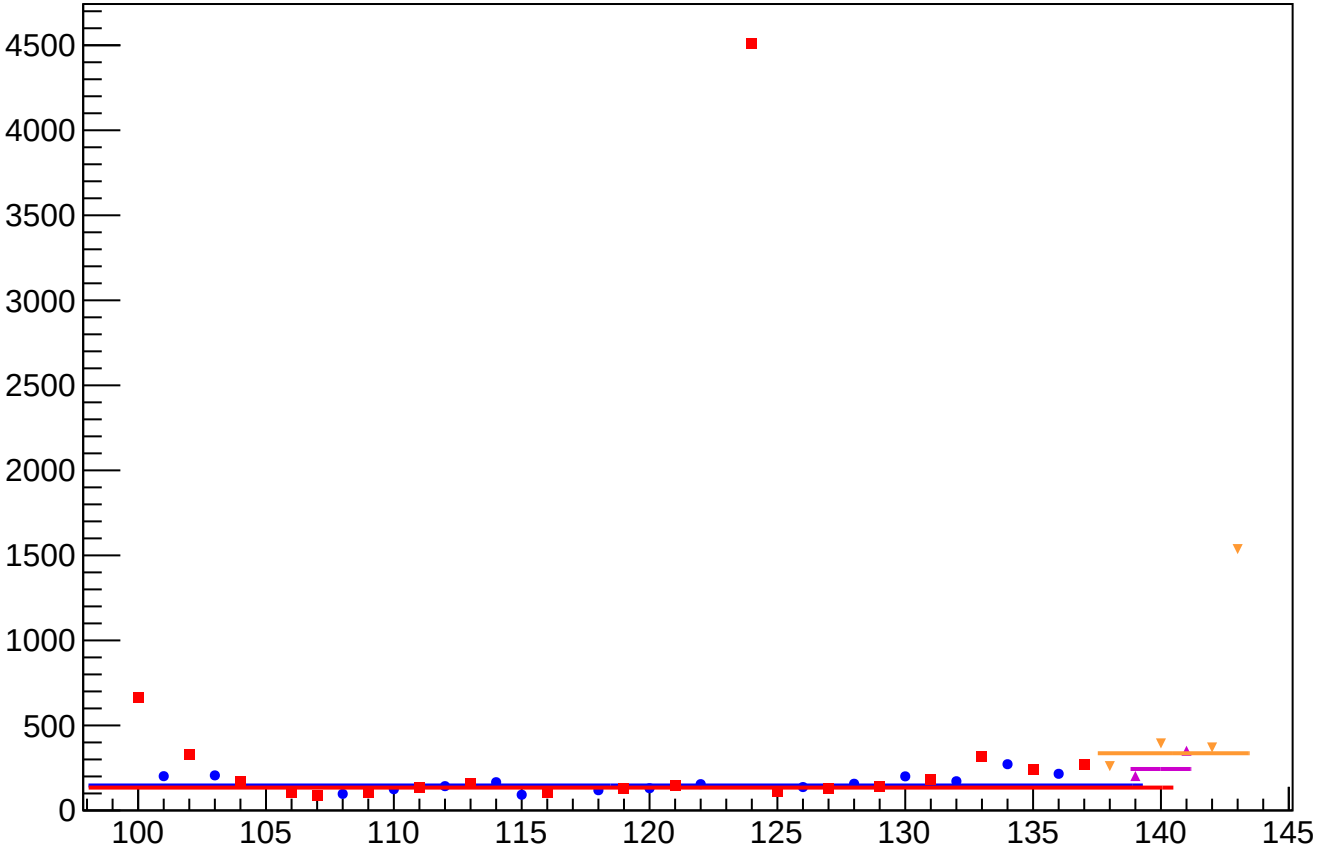
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

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: 284.185+/-0.105 χ^2/NDF: 1582782.5/5

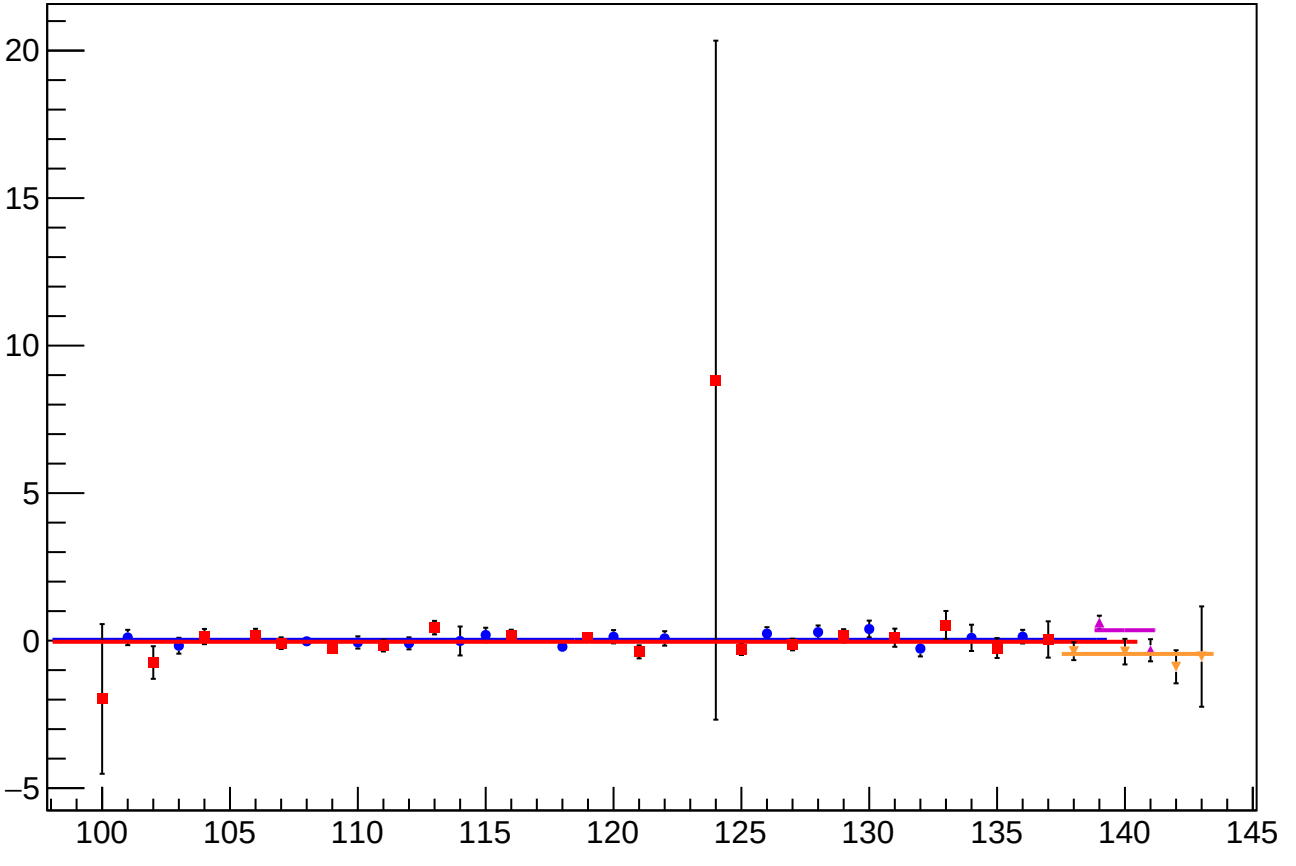
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

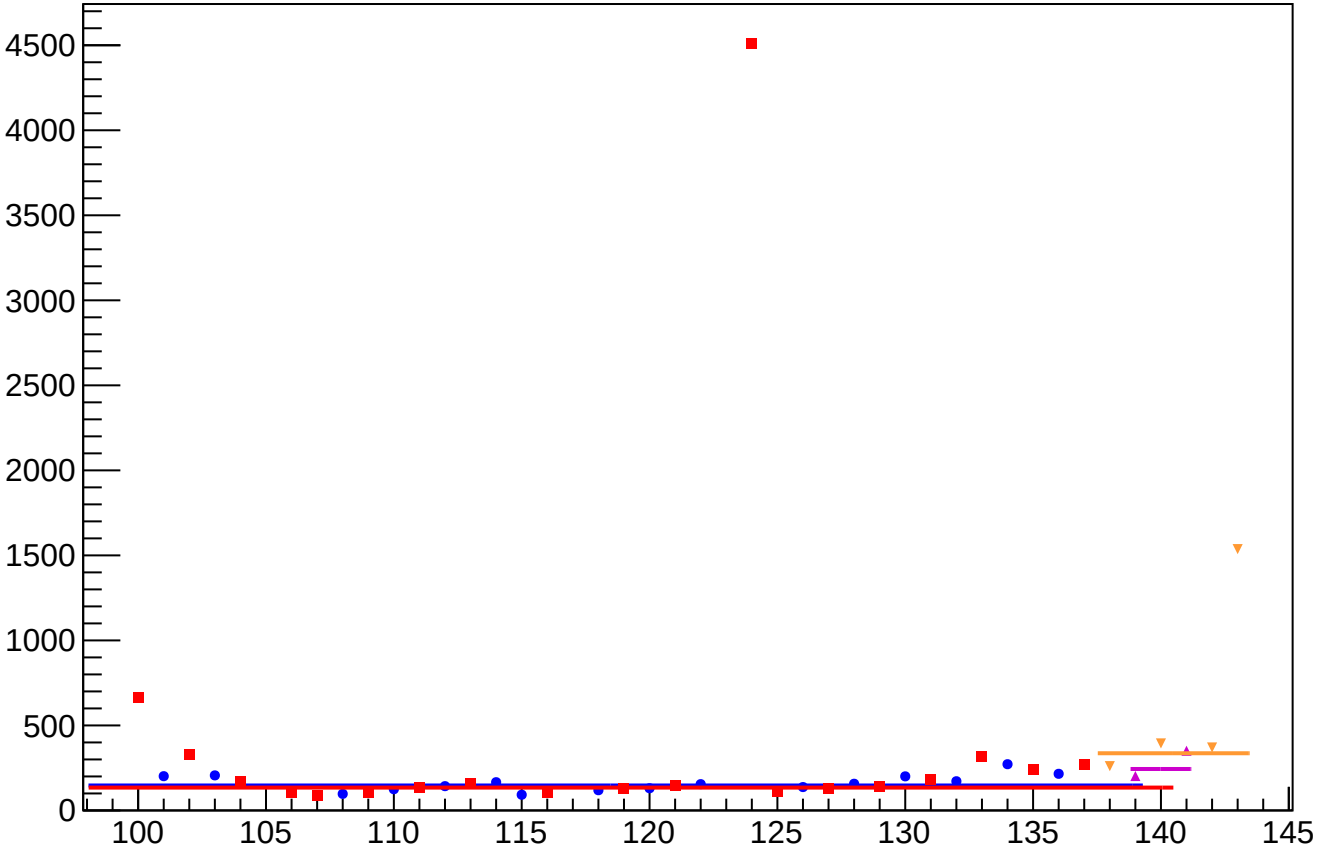
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

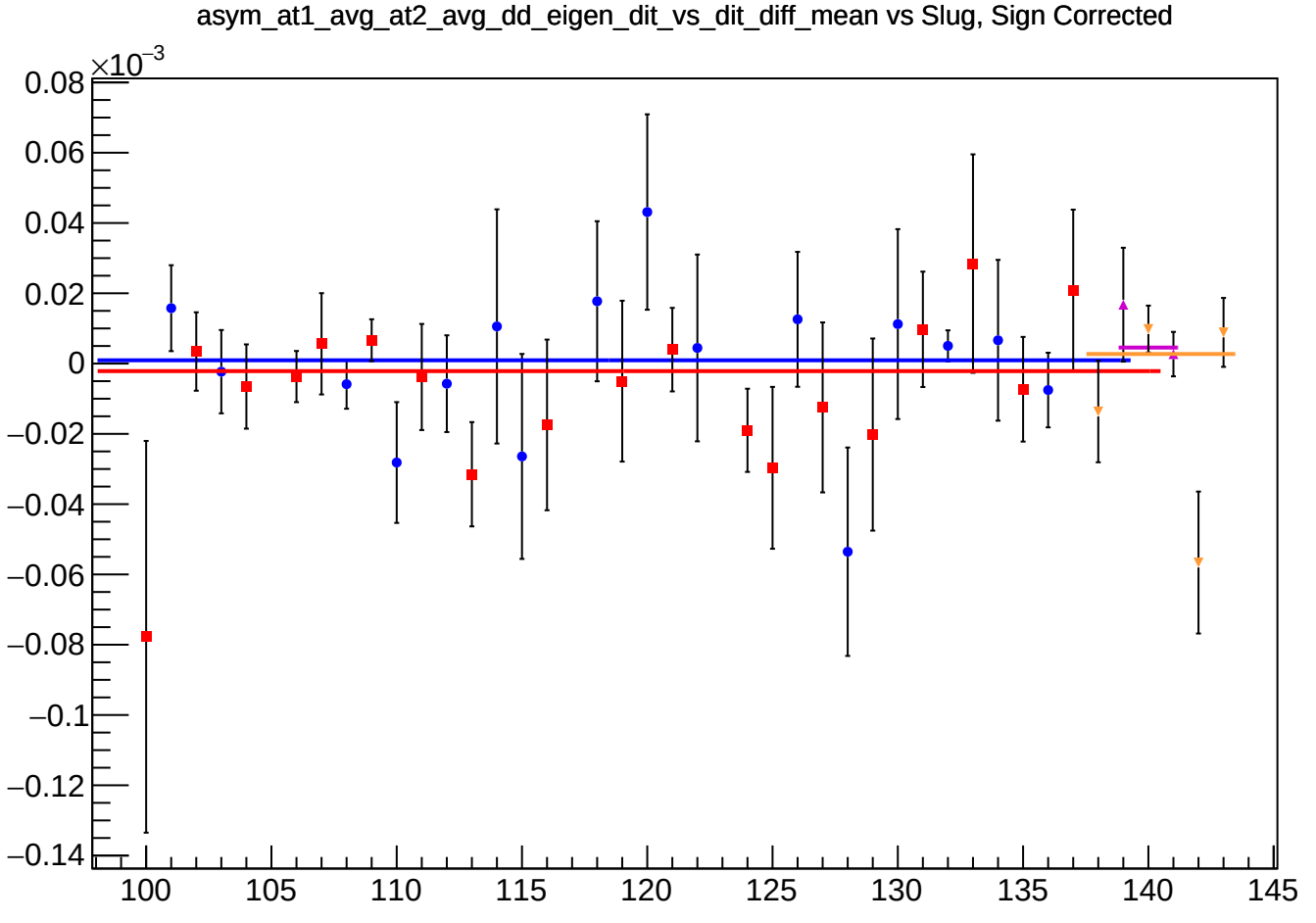
Left: 284.185+/-0.105 χ^2/NDF: 1582782.5/5

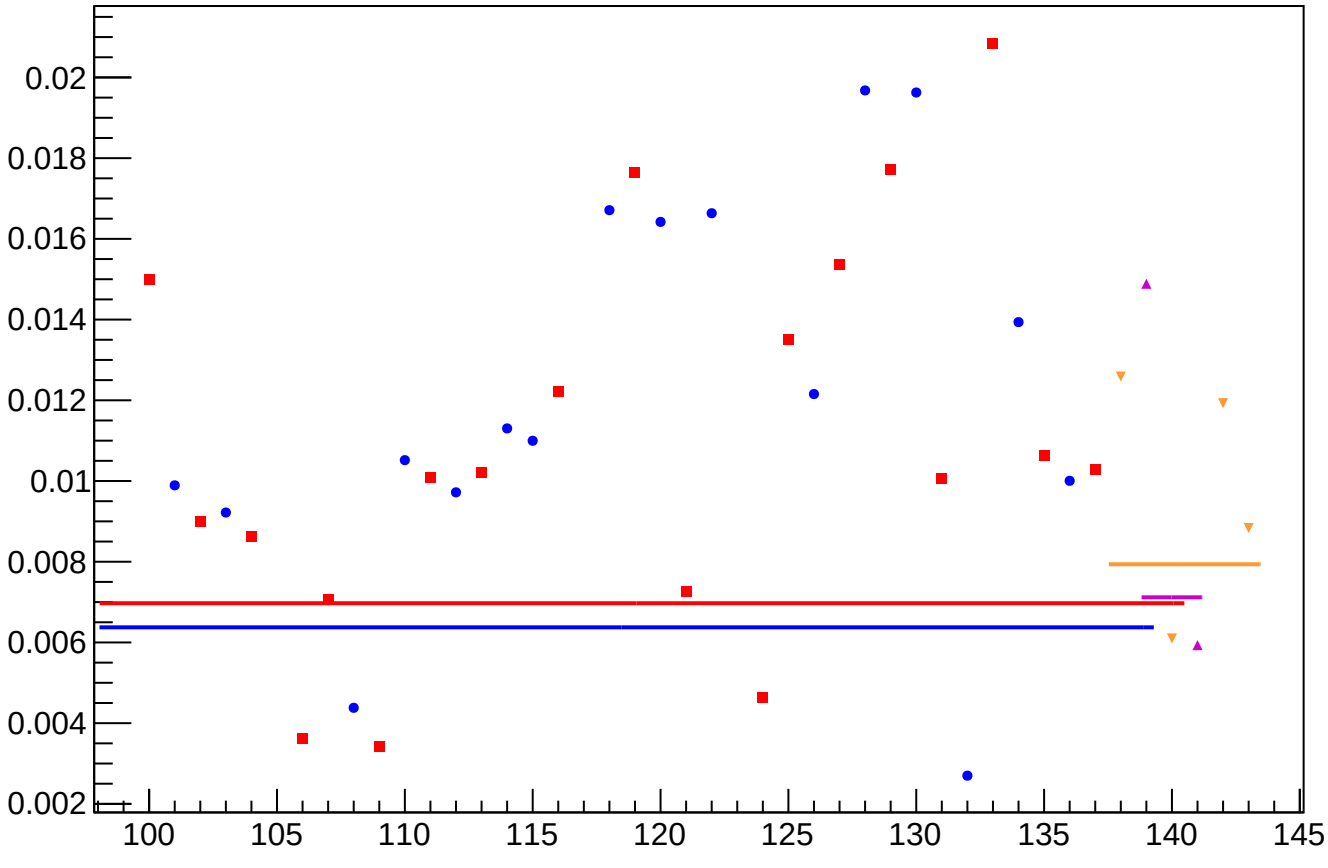
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.7/1
Left: 0.000+/-0.000 χ²/NDF: 12.2/5
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:15.8/17
Out: -0.000+/-0.000 χ²/NDF:28.2/22
All: 0.000+/-0.000 χ²/NDF: 44.5/40



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

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: 0.008+/-0.000 χ^2/NDF: 1007079.2/5

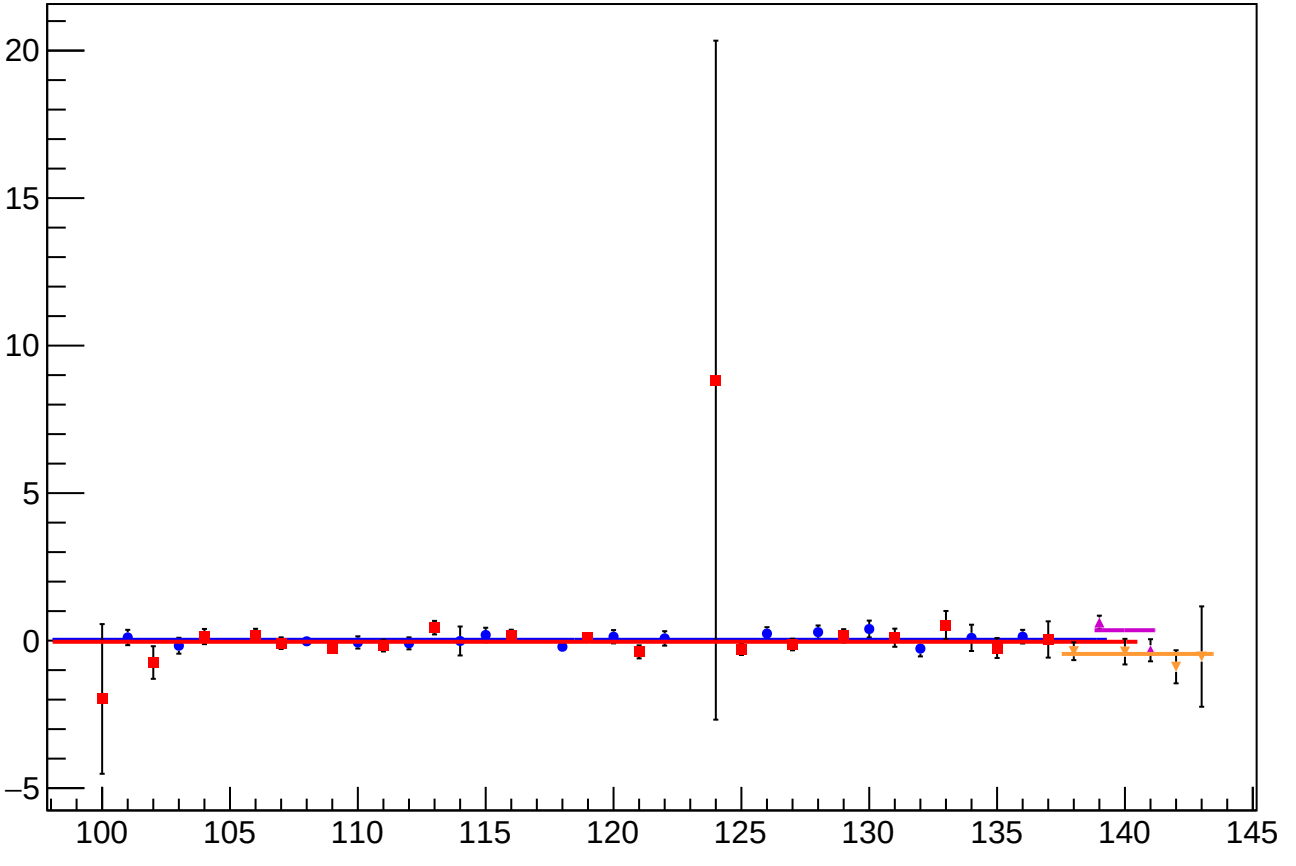
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5195831.4/17

Out: 0.007+/-0.000 χ^2/NDF:3918888.7/22

All: 0.007+/-0.000 χ^2/NDF: 9188865.3/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

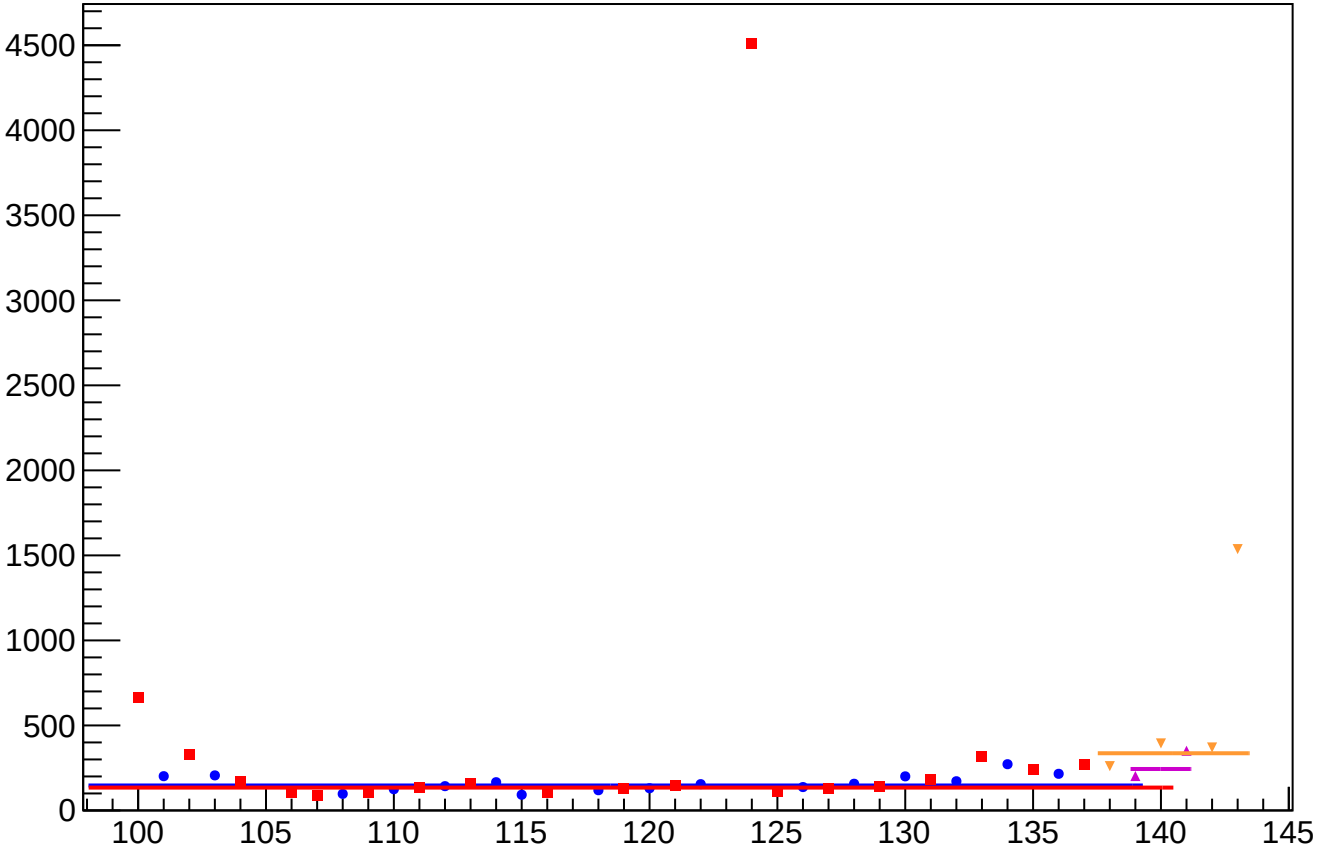
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

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: 284.190+/-0.105 χ^2/NDF: 1582753.3/5

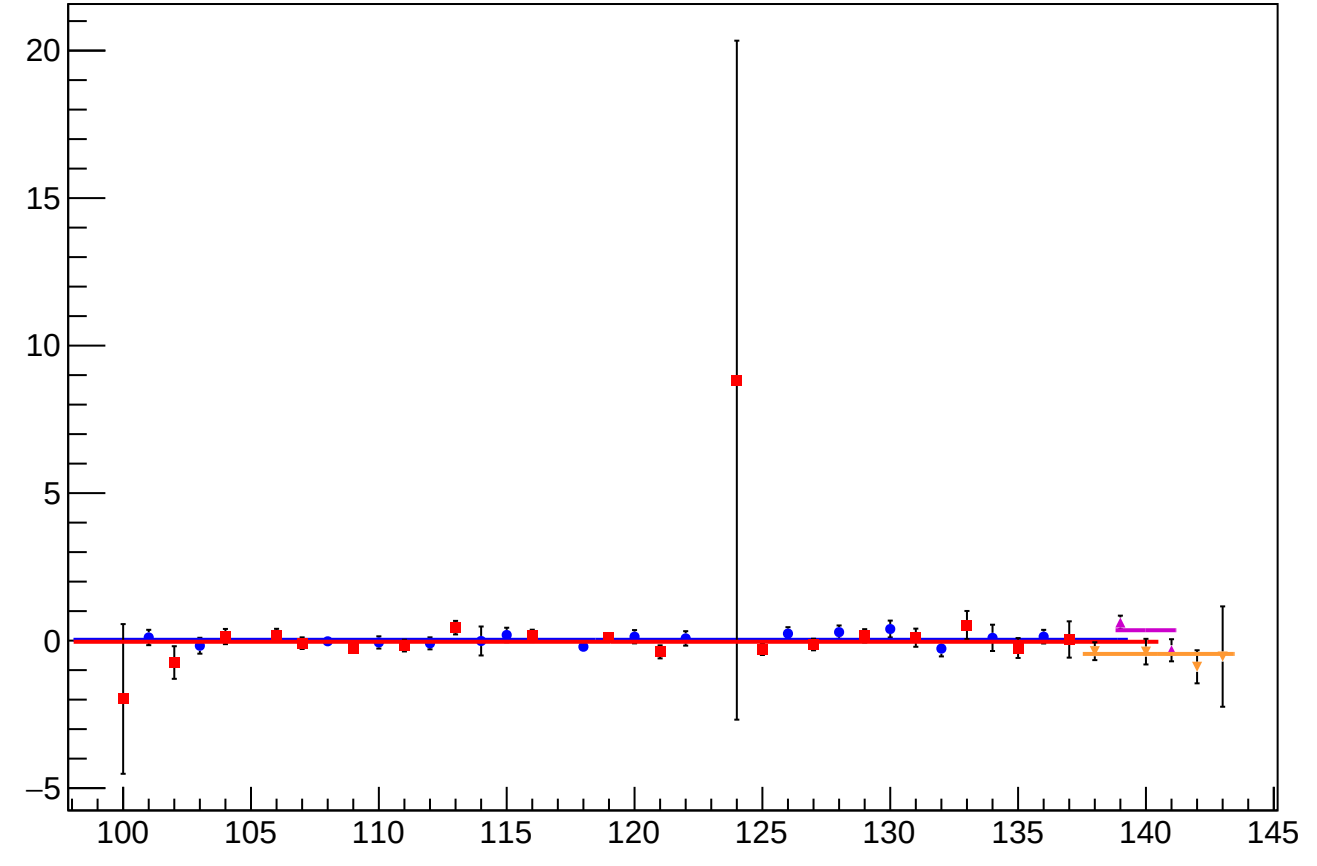
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

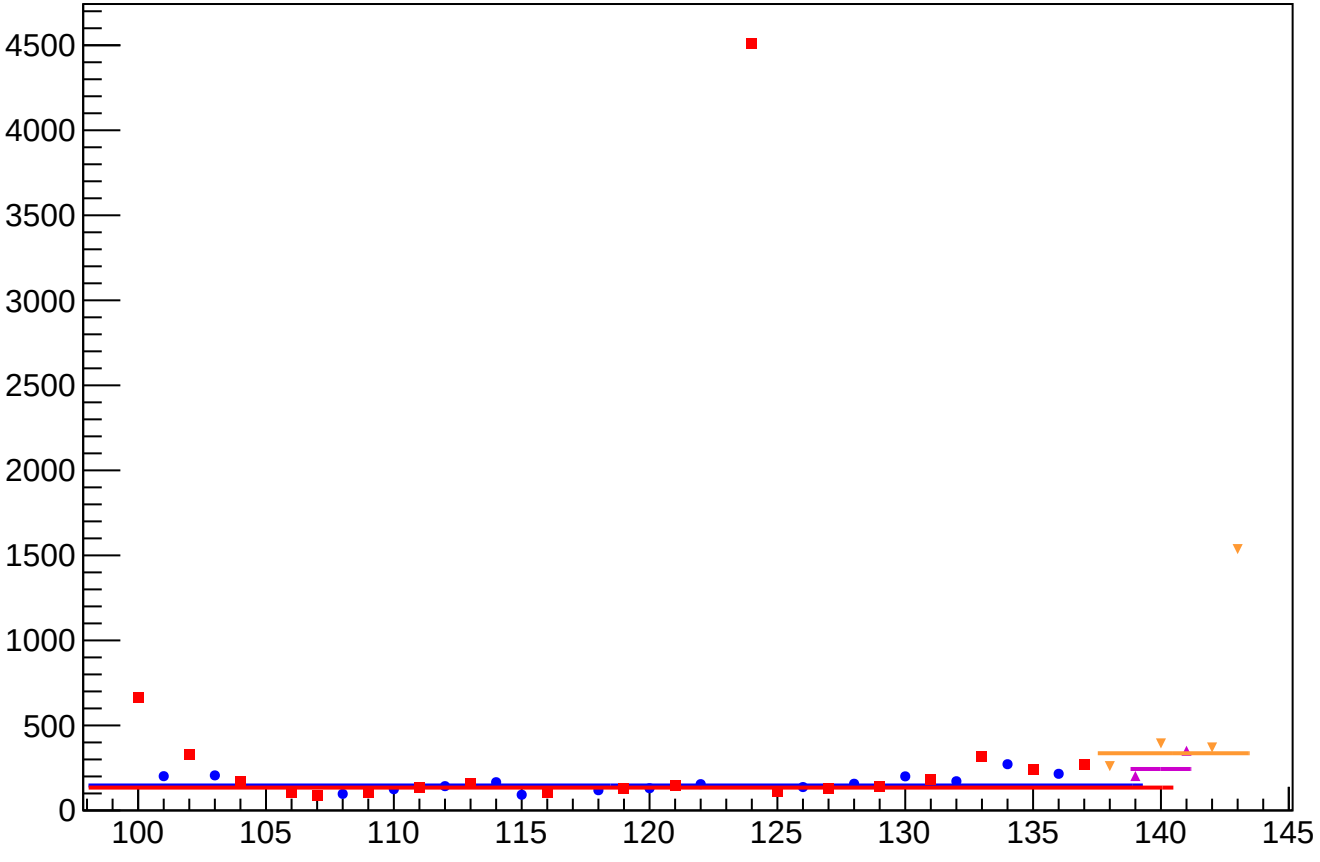
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

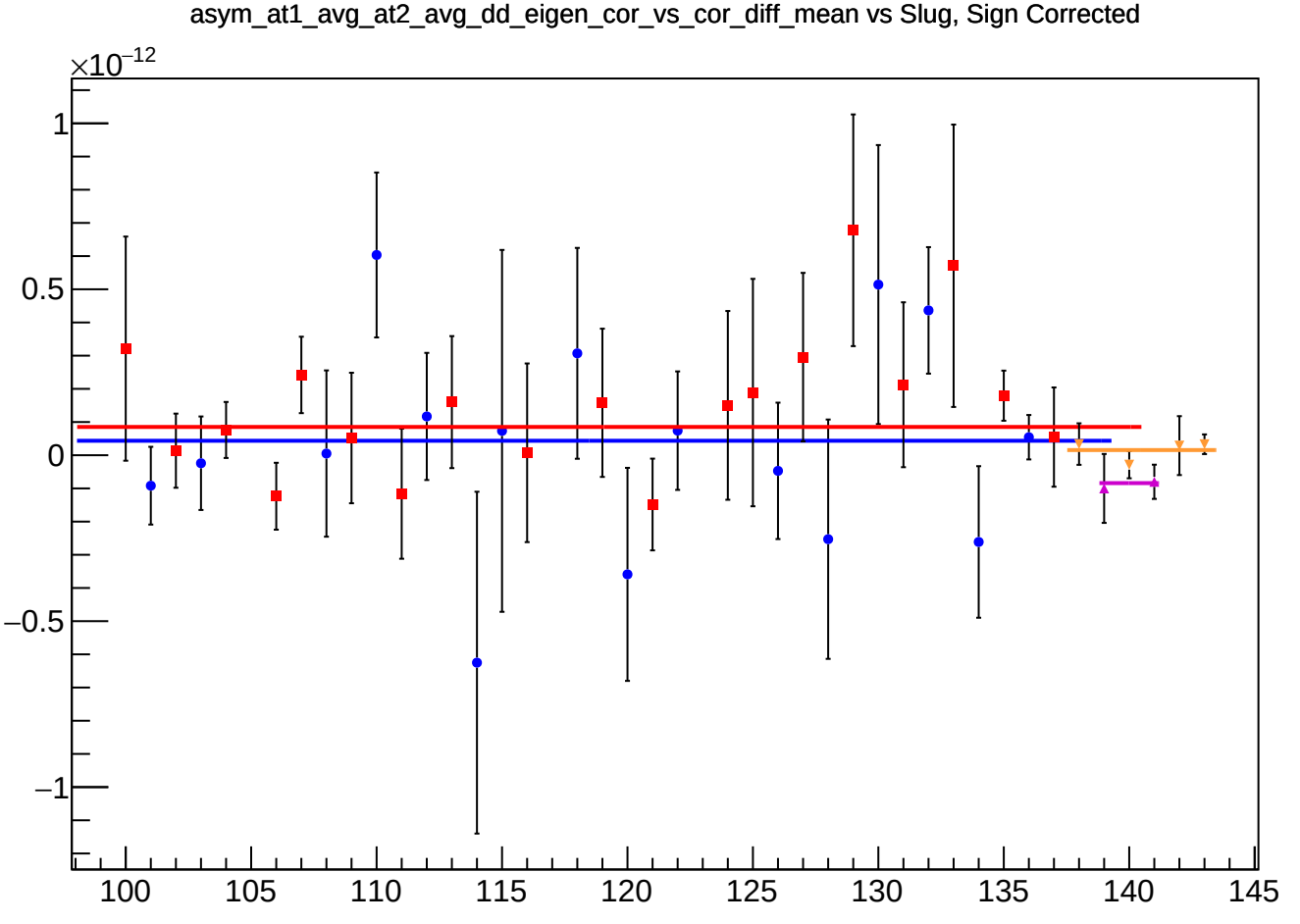
Left: 284.190+/-0.105 χ^2/NDF: 1582753.3/5

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

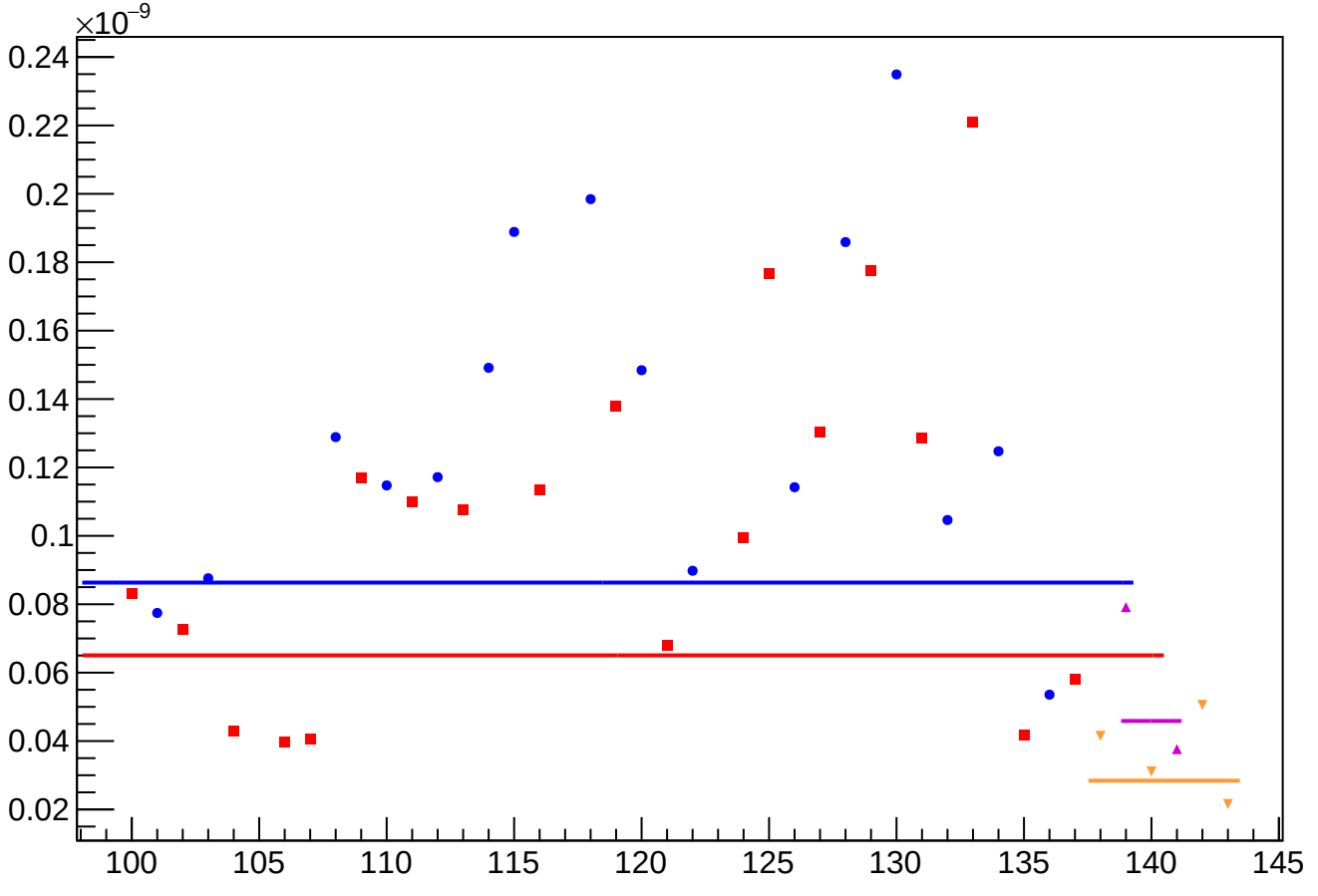
Left: -0.000+/-0.000 χ^2/NDF: 5.4/5

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:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

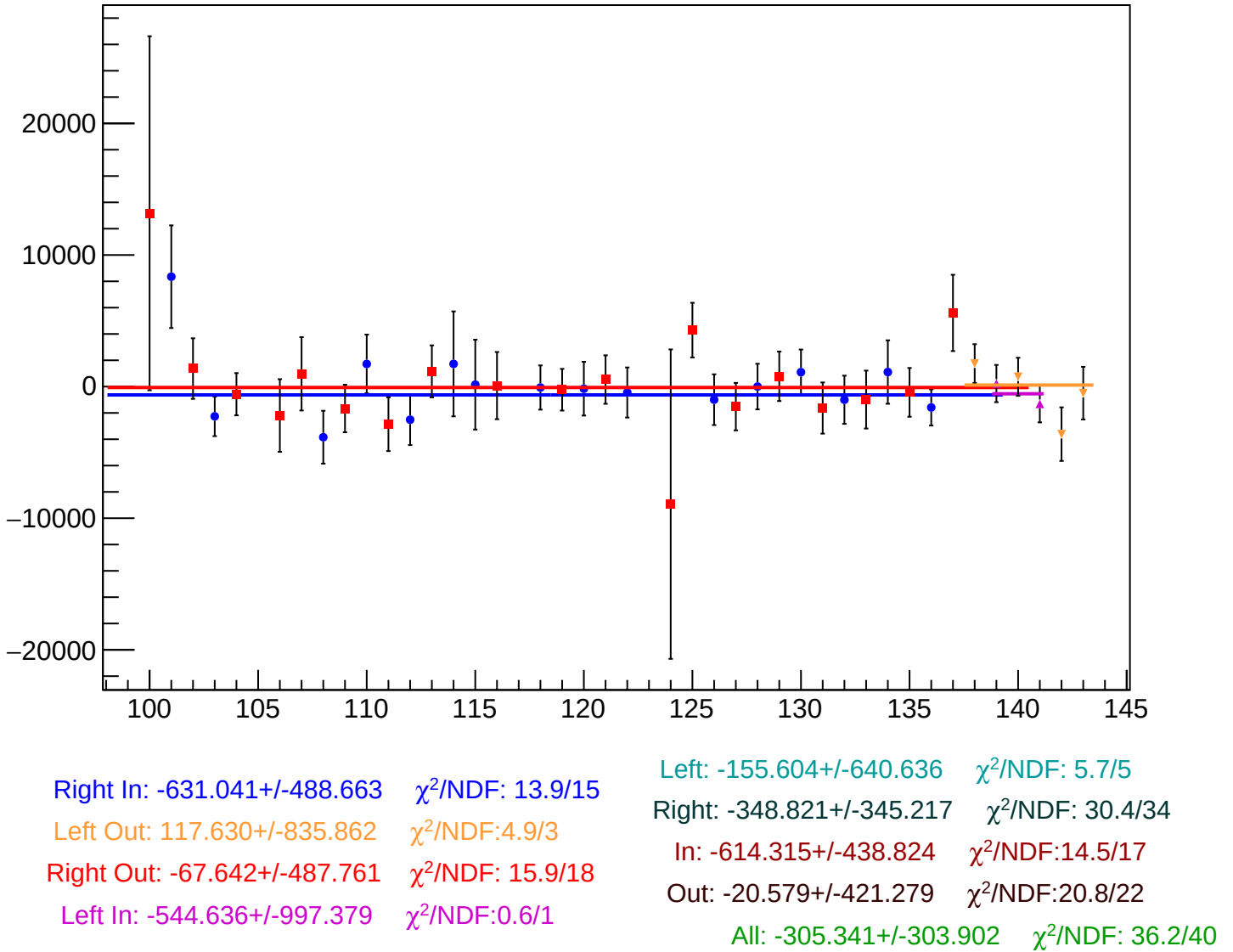
Left: 0.000+/-0.000 χ^2/NDF: 817785.5/5

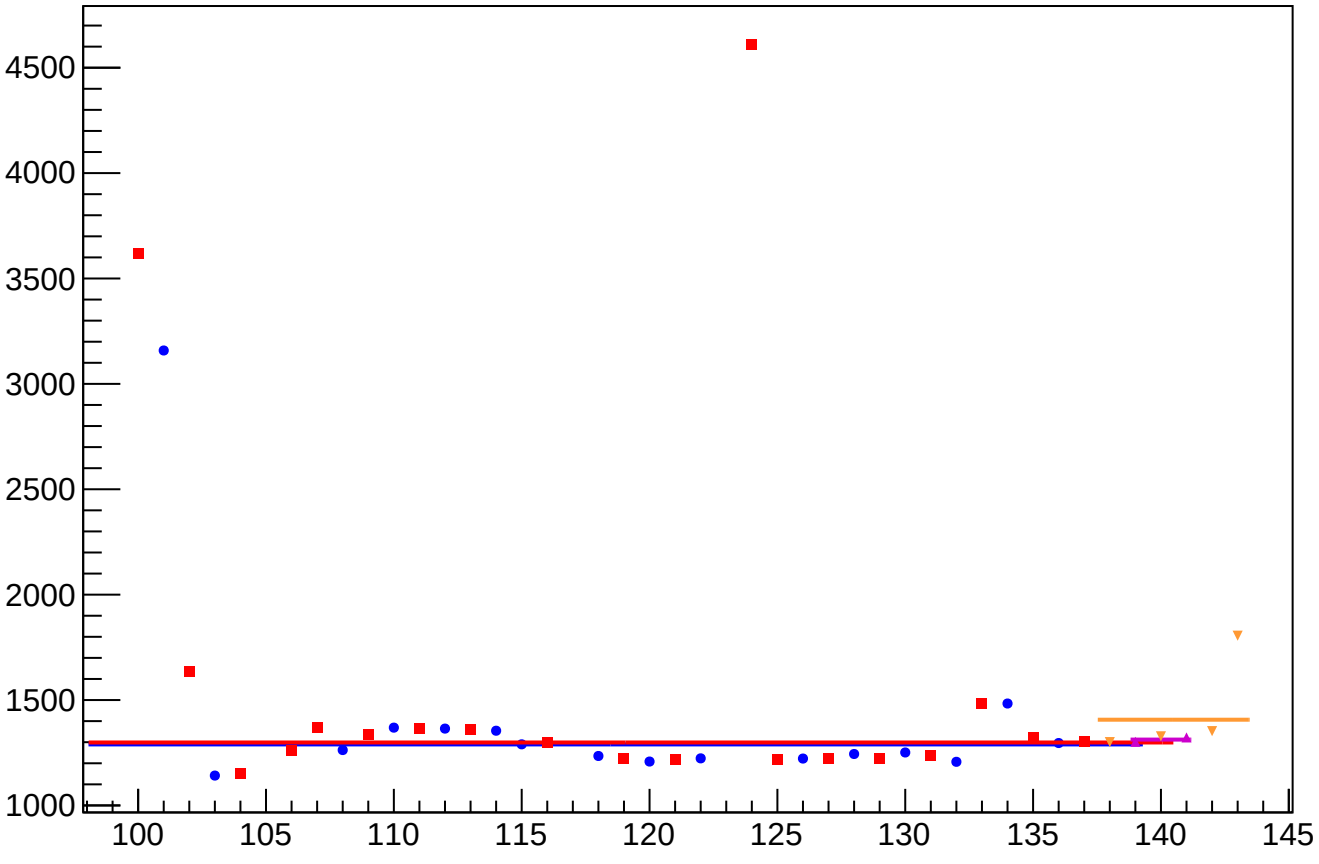
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2649362.1/17

Out: 0.000+/-0.000 χ^2/NDF:4119634.2/22

All: 0.000+/-0.000 χ^2/NDF: 8019028.8/40


reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -631.041+/-488.663 χ²/NDF: 13.9/15
Left Out: 117.630+/-835.862 χ²/NDF:4.9/3
Right Out: -67.642+/-487.761 χ²/NDF: 15.9/18
Left In: -544.636+/-997.379 χ²/NDF:0.6/1
Left: -155.604+/-640.636 χ²/NDF: 5.7/5
Right: -348.821+/-345.217 χ²/NDF: 30.4/34
In: -614.315+/-438.824 χ²/NDF:14.5/17
Out: -20.579+/-421.279 χ²/NDF:20.8/22
All: -305.341+/-303.902 χ²/NDF: 36.2/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

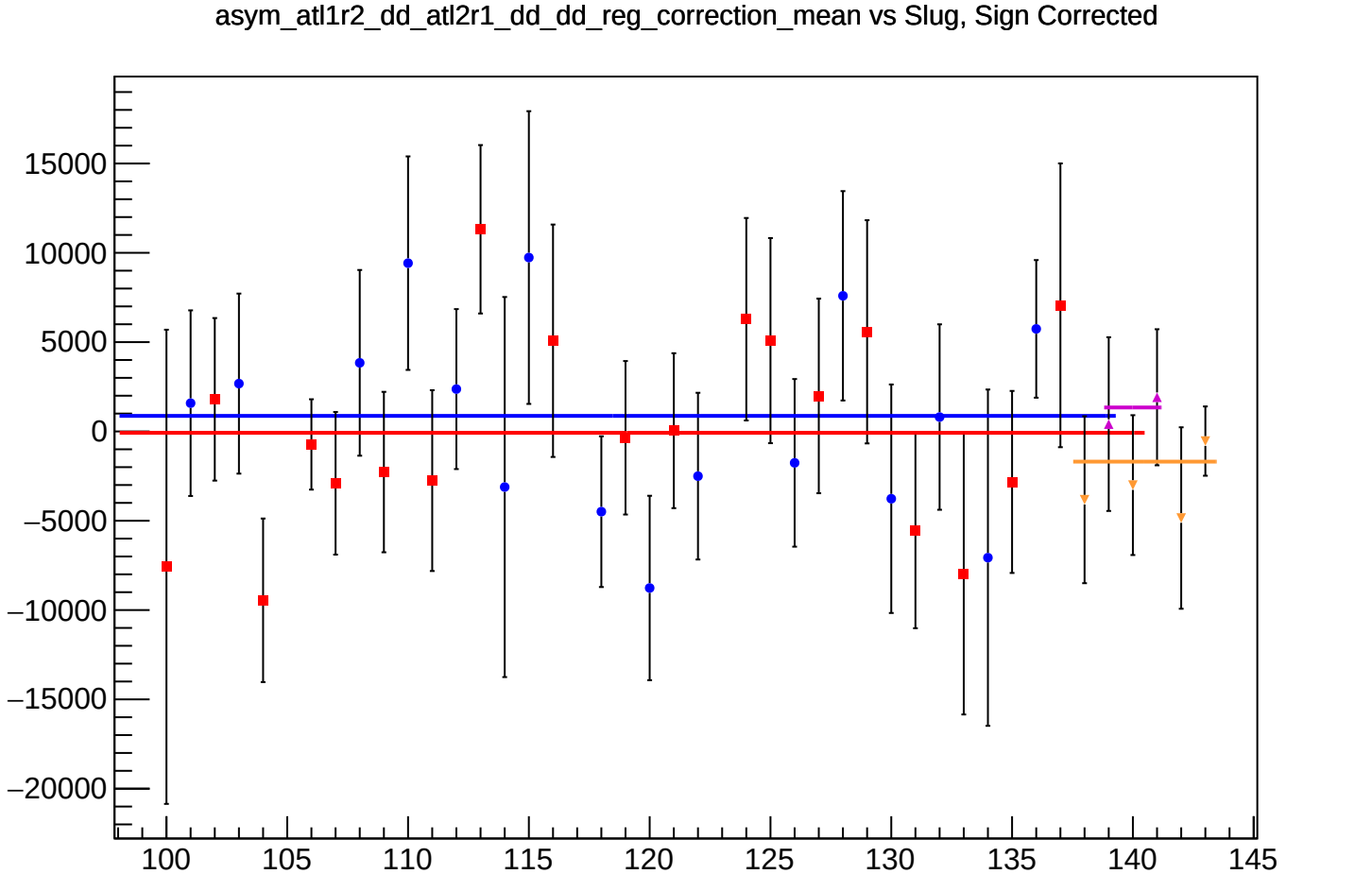
Left: 1367.787+/-0.453 χ^2/NDF: 108093.0/5

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1293.903+/-0.310 χ^2/NDF:515743.3/17

Out: 1325.994+/-0.297 χ^2/NDF:441706.2/22

All: 1310.634+/-0.215 χ^2/NDF: 963026.0/40



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1690.456+/-1551.152 χ^2/NDF:1.1/3

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: -1050.471+/-1377.718 χ^2/NDF: 1.9/5

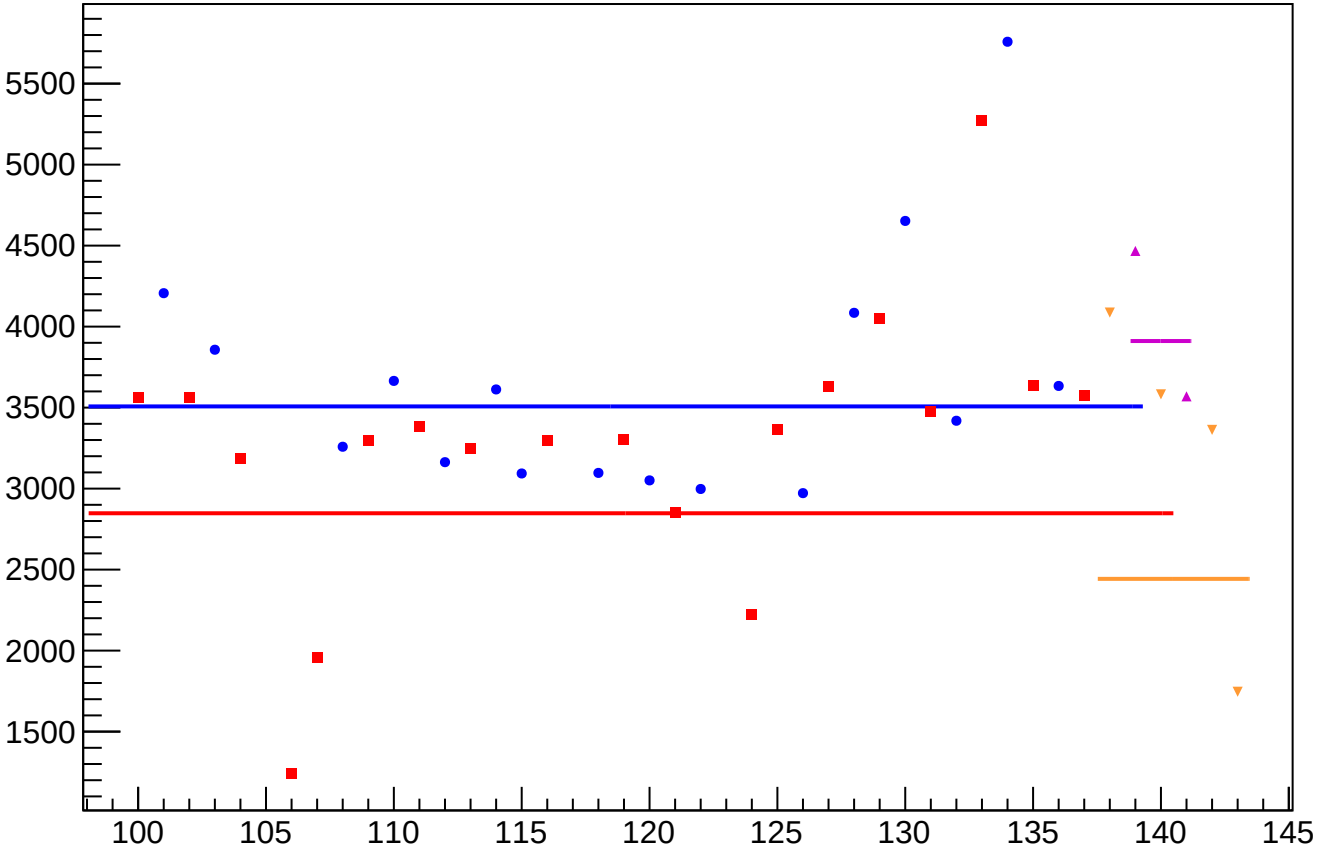
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 947.213+/-1212.158 χ^2/NDF:14.1/17

Out: -624.325+/-903.261 χ^2/NDF:20.2/22

All: -63.243+/-724.285 χ^2/NDF: 35.3/40

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2442.889+/-1.097 χ^2/NDF:740457.4/3

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3910.991+/-2.120 χ^2/NDF:42242.3/1

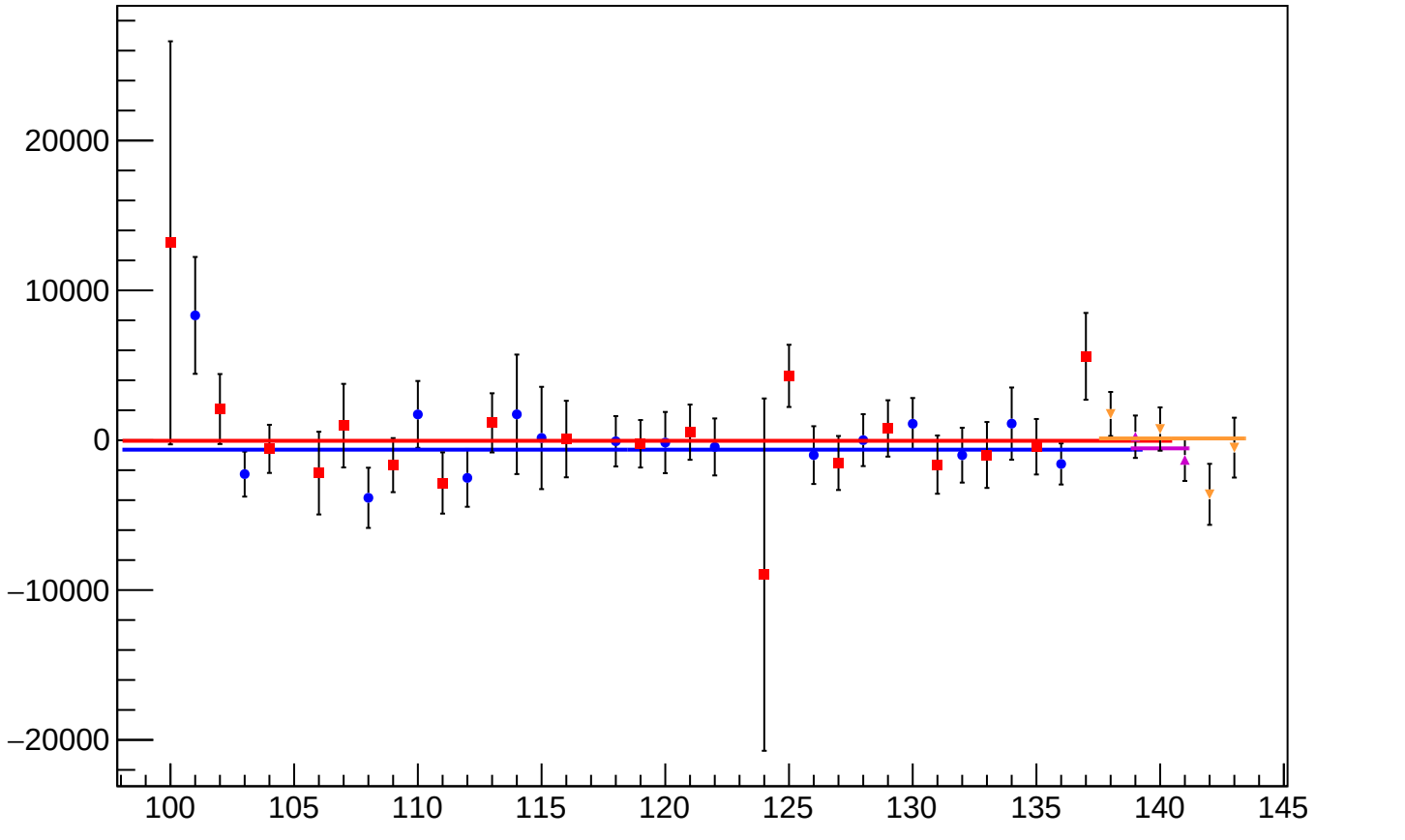
Left: 2752.831+/-0.974 χ^2/NDF: 1160932.2/5

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3573.355+/-0.857 χ^2/NDF:426534.2/17

Out: 2710.519+/-0.639 χ^2/NDF:2329915.8/22

All: 3018.575+/-0.512 χ^2/NDF: 3408019.5/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

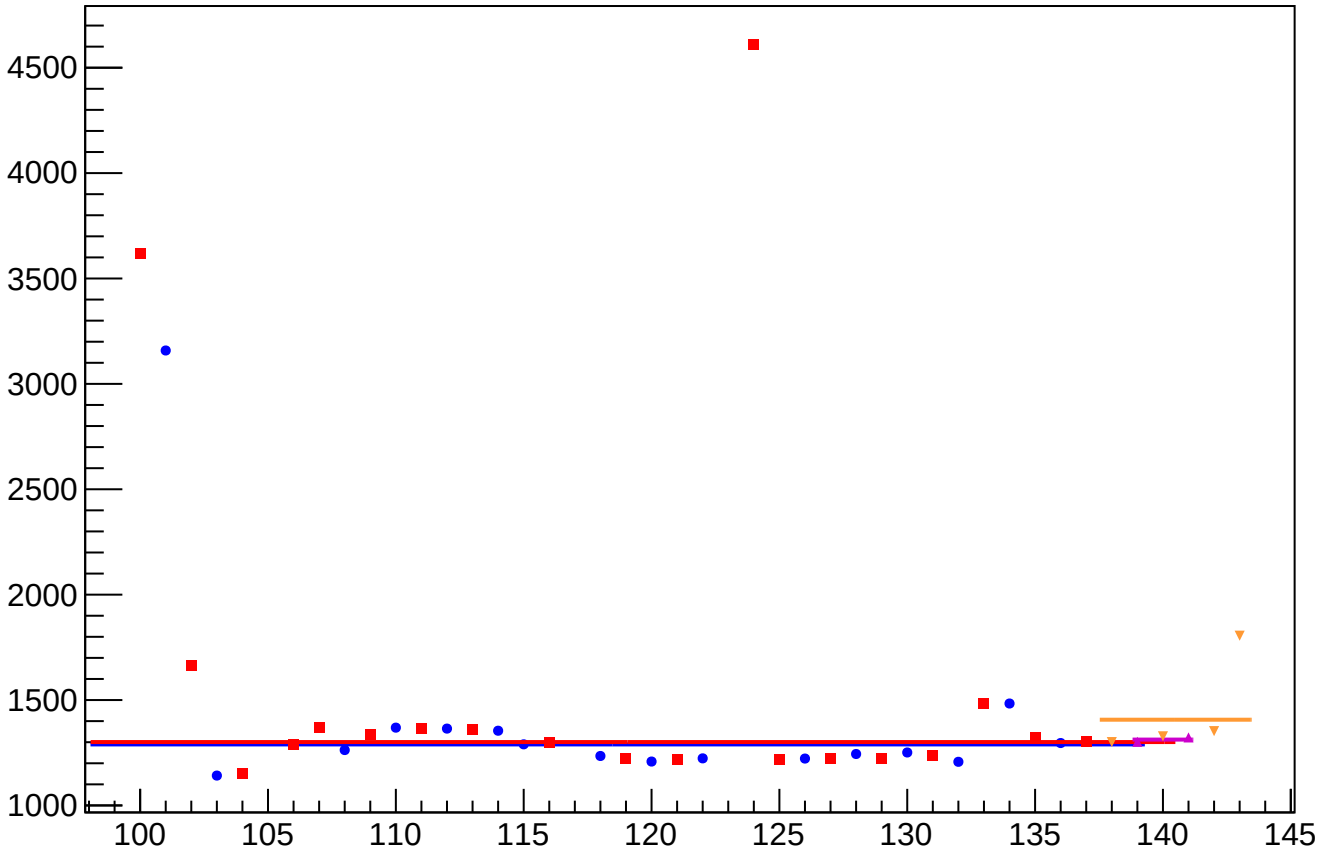
Left: -155.486+/-640.636 χ^2/NDF: 5.7/5

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -294.330+/-303.981 χ^2/NDF: 36.7/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1312.384+/-0.705 χ^2/NDF:216.7/1

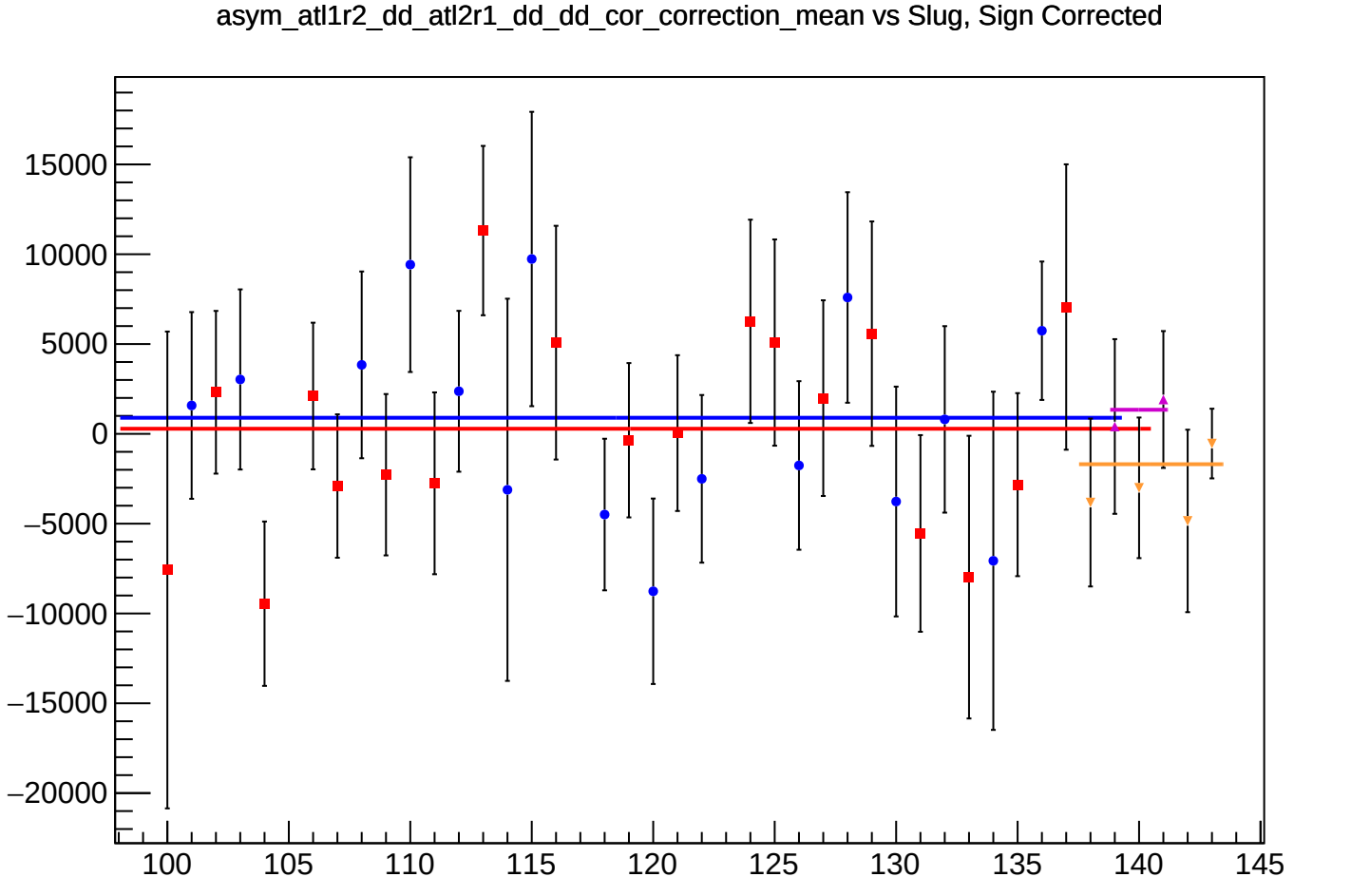
Left: 1367.787+/-0.453 χ^2/NDF: 108093.1/5

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

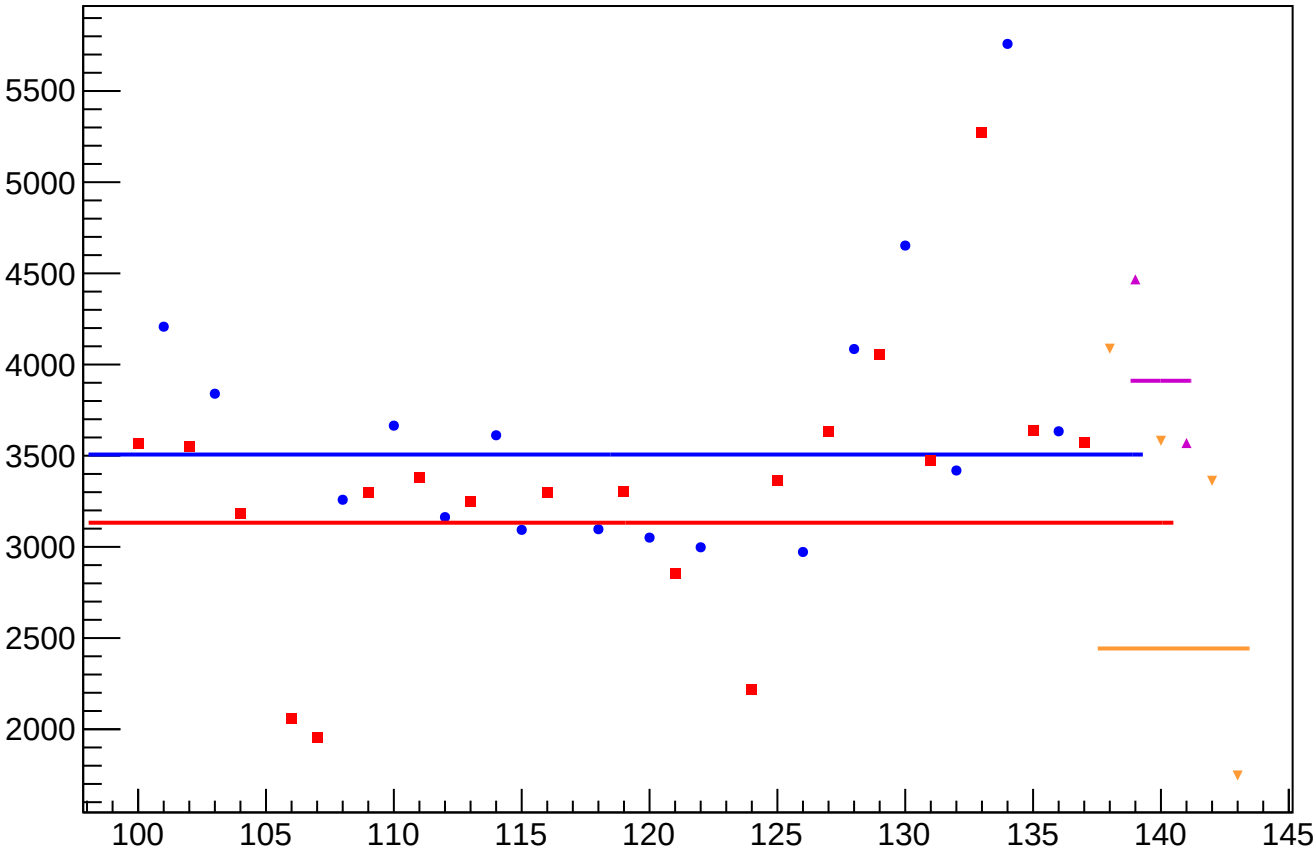
Left: -1050.282+/-1377.713 χ^2/NDF: 1.9/5

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: 88.361+/-743.102 χ^2/NDF: 35.7/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

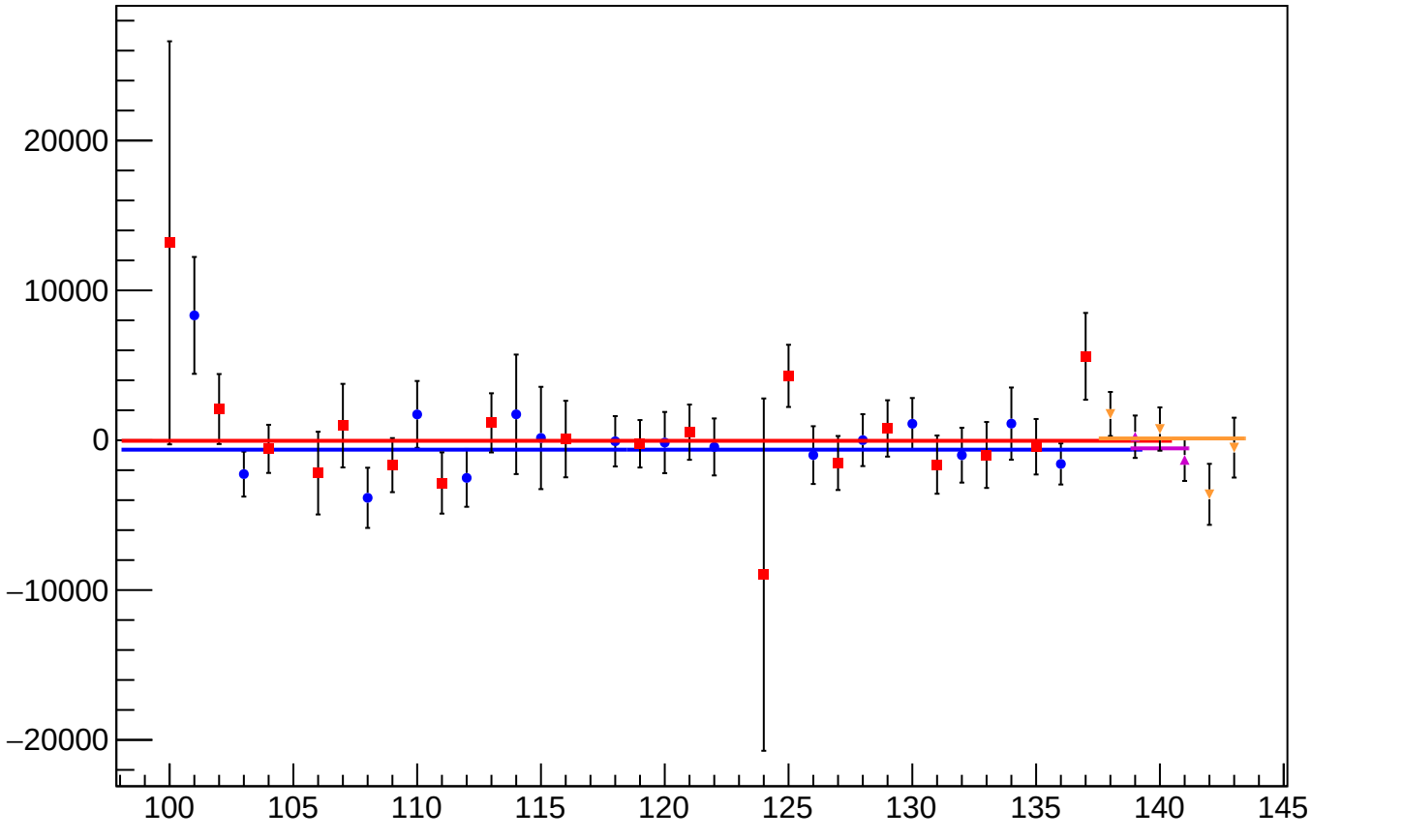
Left: 2752.819+/-0.974 χ^2/NDF: 1160945.1/5

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 117.674+/-835.862 χ^2/NDF:4.9/3

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -544.413+/-997.379 χ^2/NDF:0.6/1

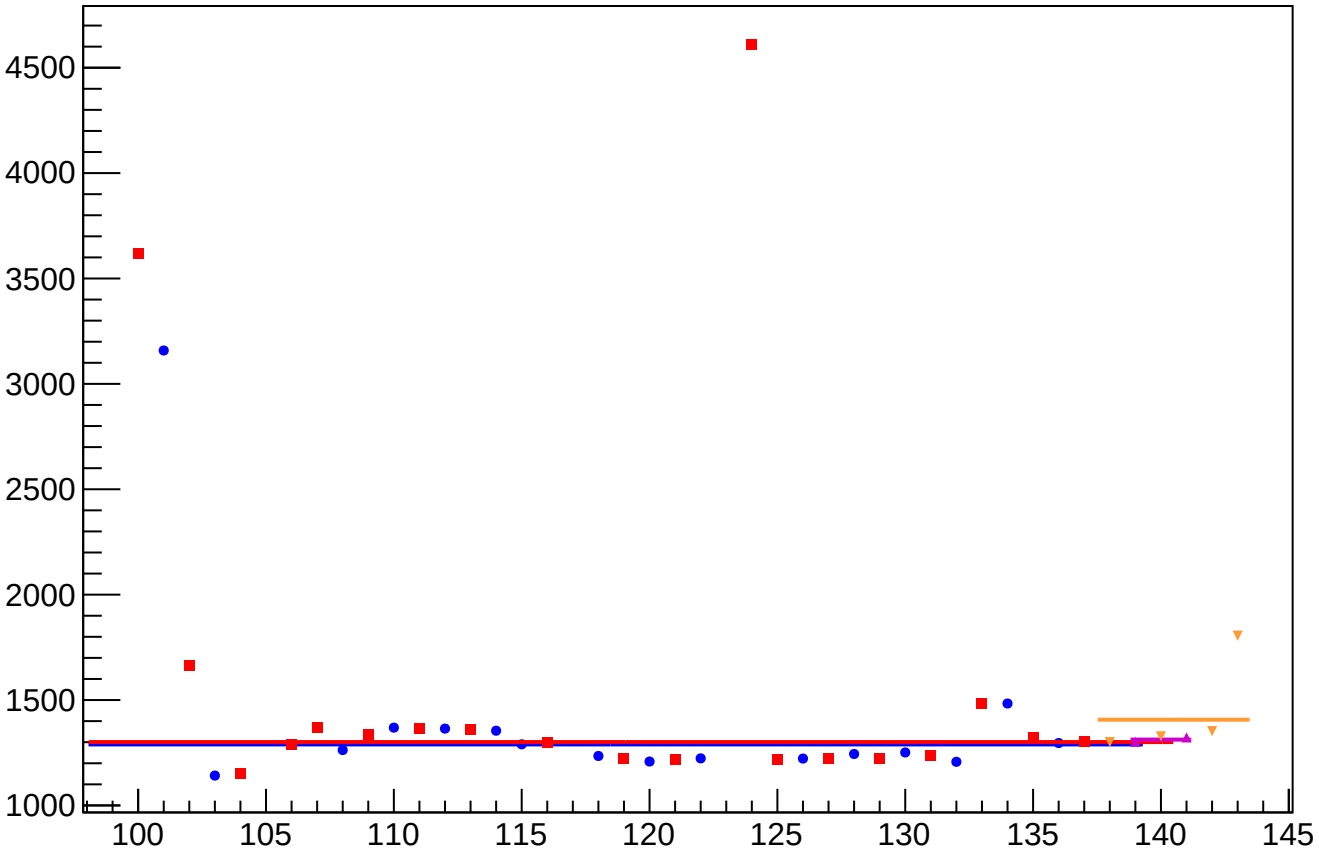
Left: -155.486+/-640.636 χ^2/NDF: 5.7/5

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -614.583+/-438.824 χ^2/NDF:14.5/17

Out: 1.119+/-421.487 χ^2/NDF:21.2/22

All: -294.330+/-303.981 χ^2/NDF: 36.7/40



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1406.698+/-0.591 χ^2/NDF:97370.8/3

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: 1367.787+/-0.453 χ^2/NDF: 108093.1/5

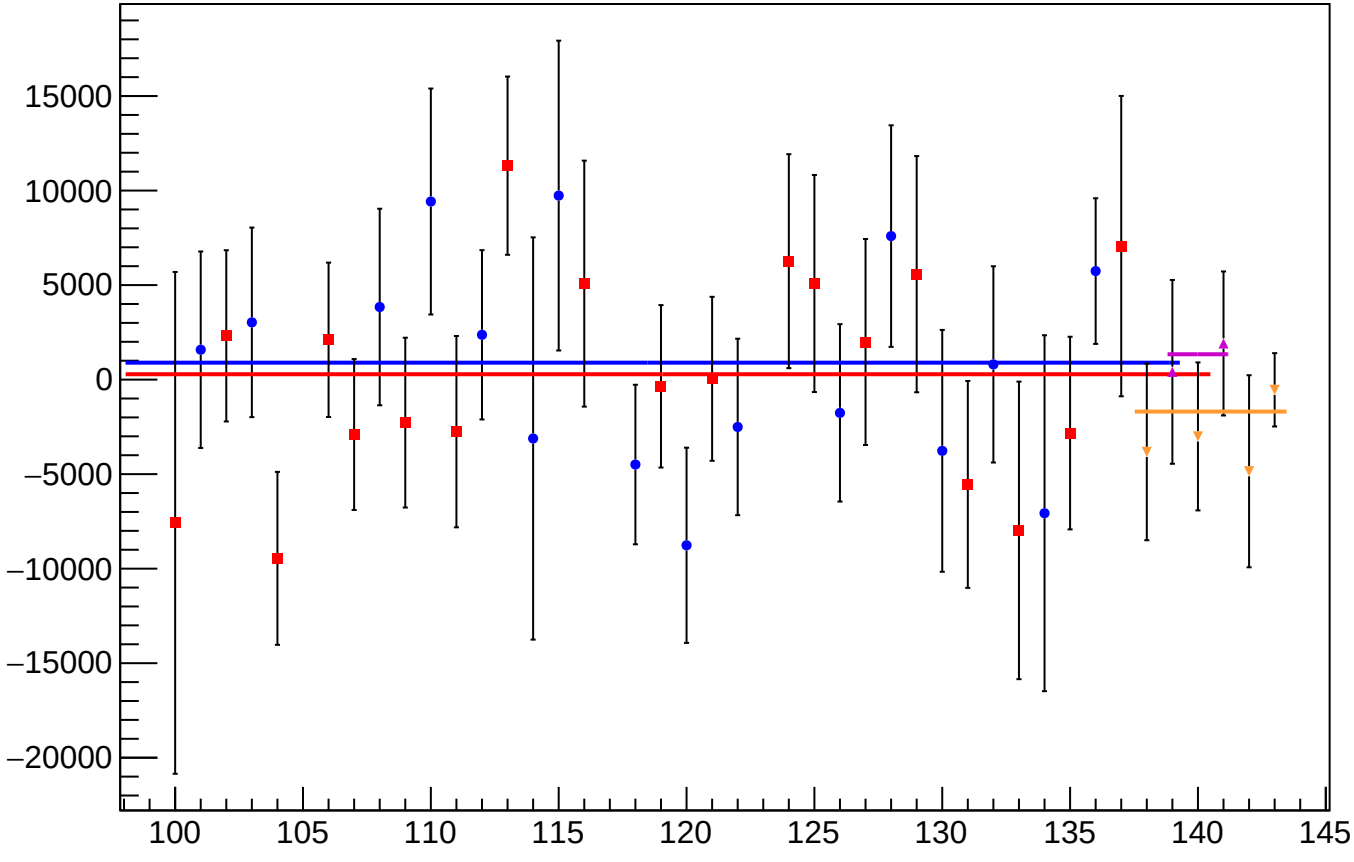
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1293.902+/-0.310 χ^2/NDF:515744.8/17

Out: 1327.566+/-0.298 χ^2/NDF:447293.2/22

All: 1311.436+/-0.215 χ^2/NDF: 969168.2/40

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1690.213+/-1551.145 χ^2/NDF:1.1/3

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1340.949+/-2998.450 χ^2/NDF:0.1/1

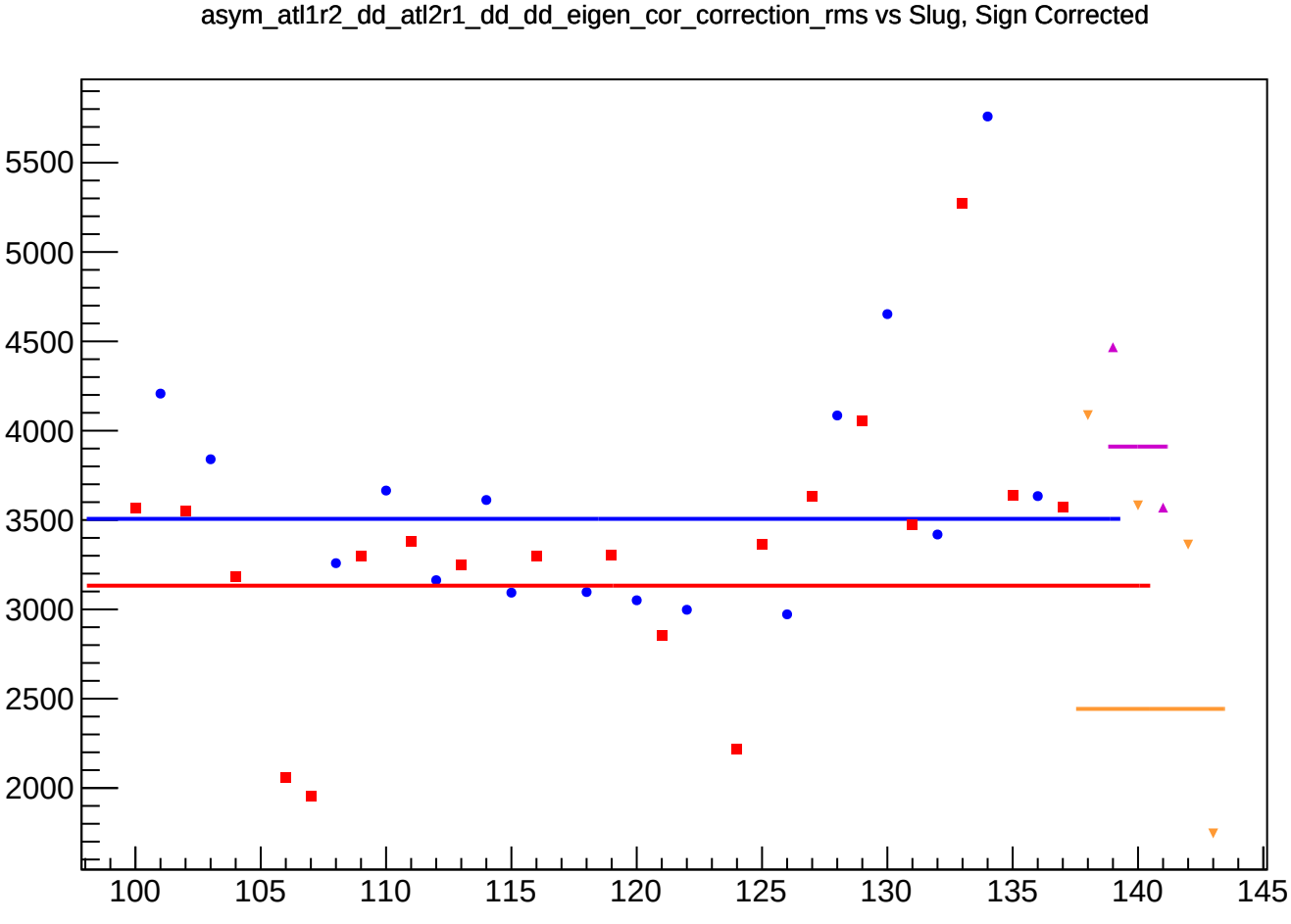
Left: -1050.282+/-1377.713 χ^2/NDF: 1.9/5

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 968.689+/-1211.809 χ^2/NDF:14.2/17

Out: -442.174+/-940.738 χ^2/NDF:20.7/22

All: 88.361+/-743.102 χ^2/NDF: 35.7/40



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2442.876+/-1.097 χ^2/NDF:740466.9/3

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3910.982+/-2.120 χ^2/NDF:42241.5/1

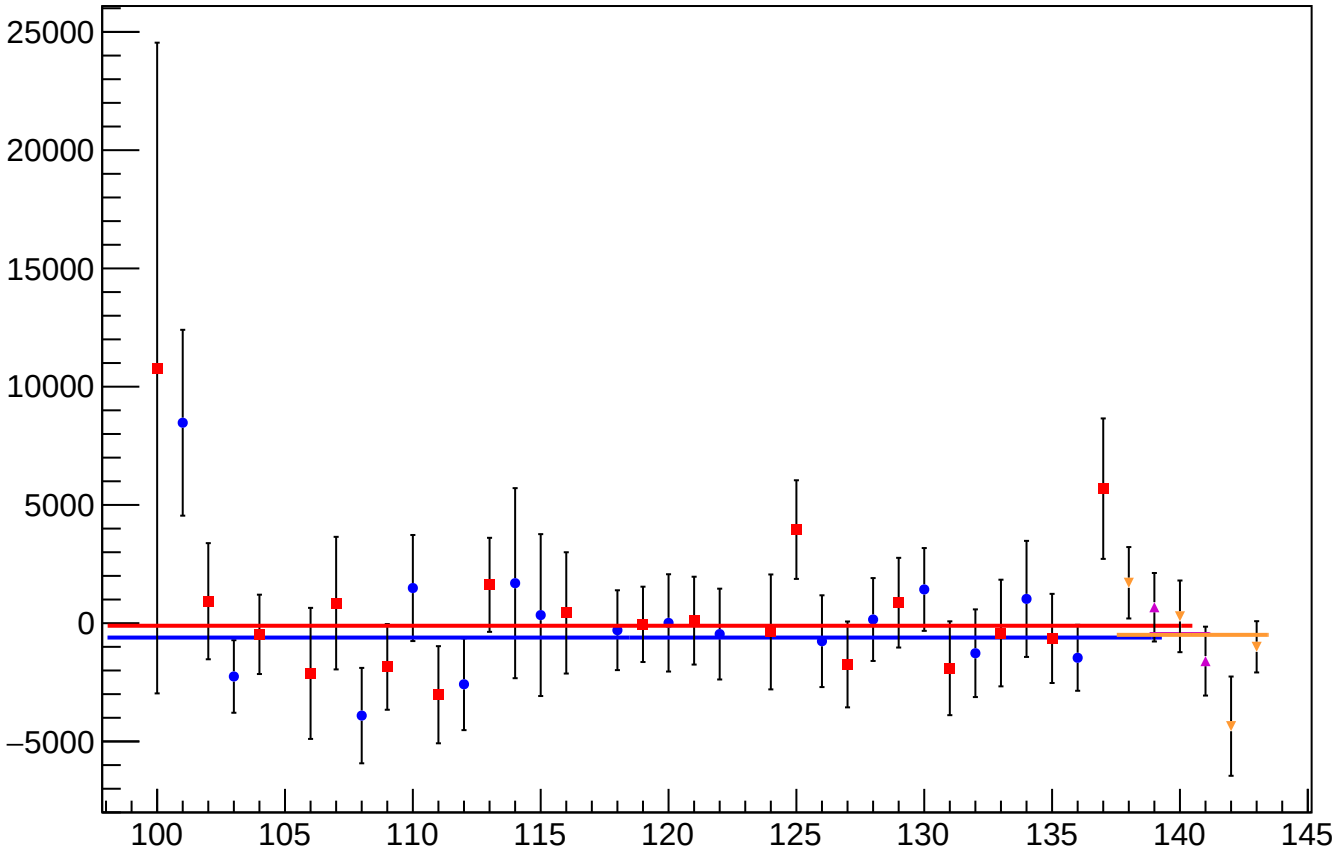
Left: 2752.819+/-0.974 χ^2/NDF: 1160945.1/5

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3572.552+/-0.857 χ^2/NDF:425931.7/17

Out: 2878.899+/-0.665 χ^2/NDF:1640055.2/22

All: 3139.737+/-0.525 χ^2/NDF: 2474876.7/40



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.285+/-715.646 χ^2/NDF:6.0/3

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -458.128+/-1026.913 χ^2/NDF:1.2/1

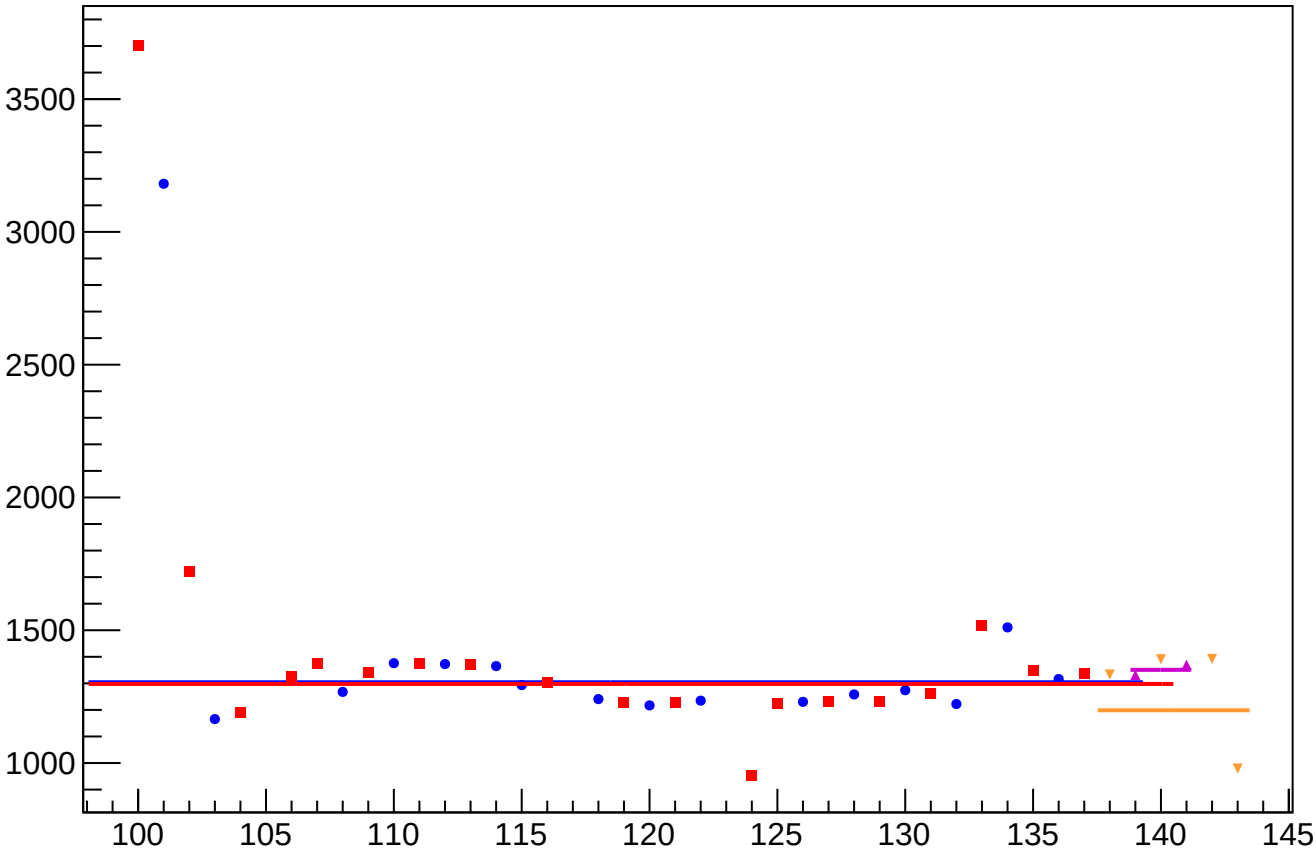
Left: -481.792+/-587.137 χ^2/NDF: 7.2/5

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -579.681+/-445.302 χ^2/NDF:15.4/17

Out: -229.873+/-401.800 χ^2/NDF:21.1/22

All: -386.860+/-298.313 χ^2/NDF: 36.8/40



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1198.673+/-0.506 χ^2/NDF:147056.8/3

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: 1248.426+/-0.415 χ^2/NDF: 177339.7/5

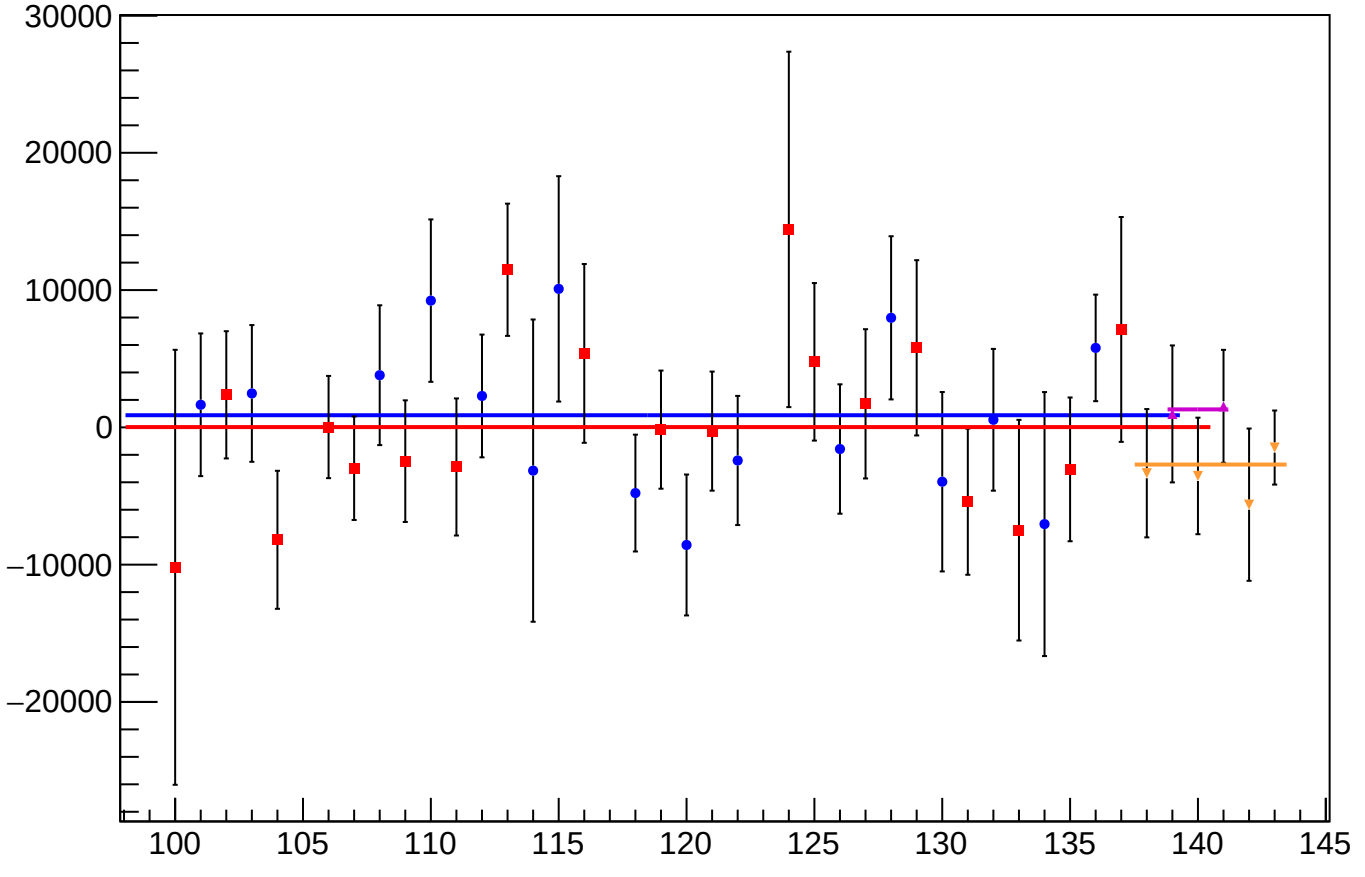
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1312.896+/-0.315 χ^2/NDF:514670.3/17

Out: 1266.582+/-0.284 χ^2/NDF:386440.0/22

All: 1287.355+/-0.211 χ^2/NDF: 913041.4/40

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: -2707.656+/-1920.099 χ^2/NDF:0.5/3

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1309.261+/-3173.459 χ^2/NDF:0.0/1

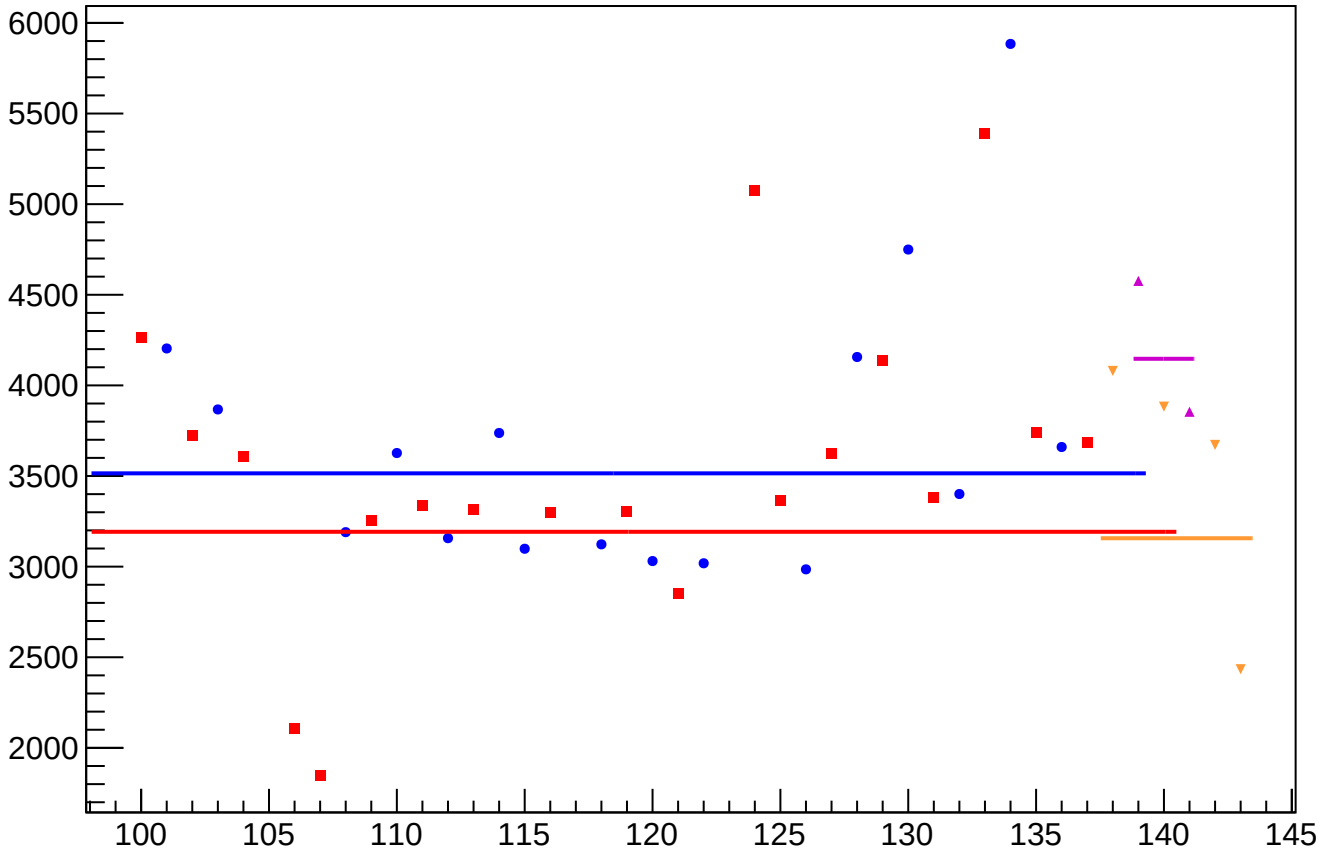
Left: -1631.198+/-1642.801 χ^2/NDF: 1.7/5

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 947.373+/-1224.588 χ^2/NDF:14.1/17

Out: -745.662+/-1017.622 χ^2/NDF:18.8/22

All: -54.099+/-782.660 χ^2/NDF: 34.1/40



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3156.629+/-1.358 χ^2/NDF:297381.8/3

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4146.801+/-2.244 χ^2/NDF:24941.6/1

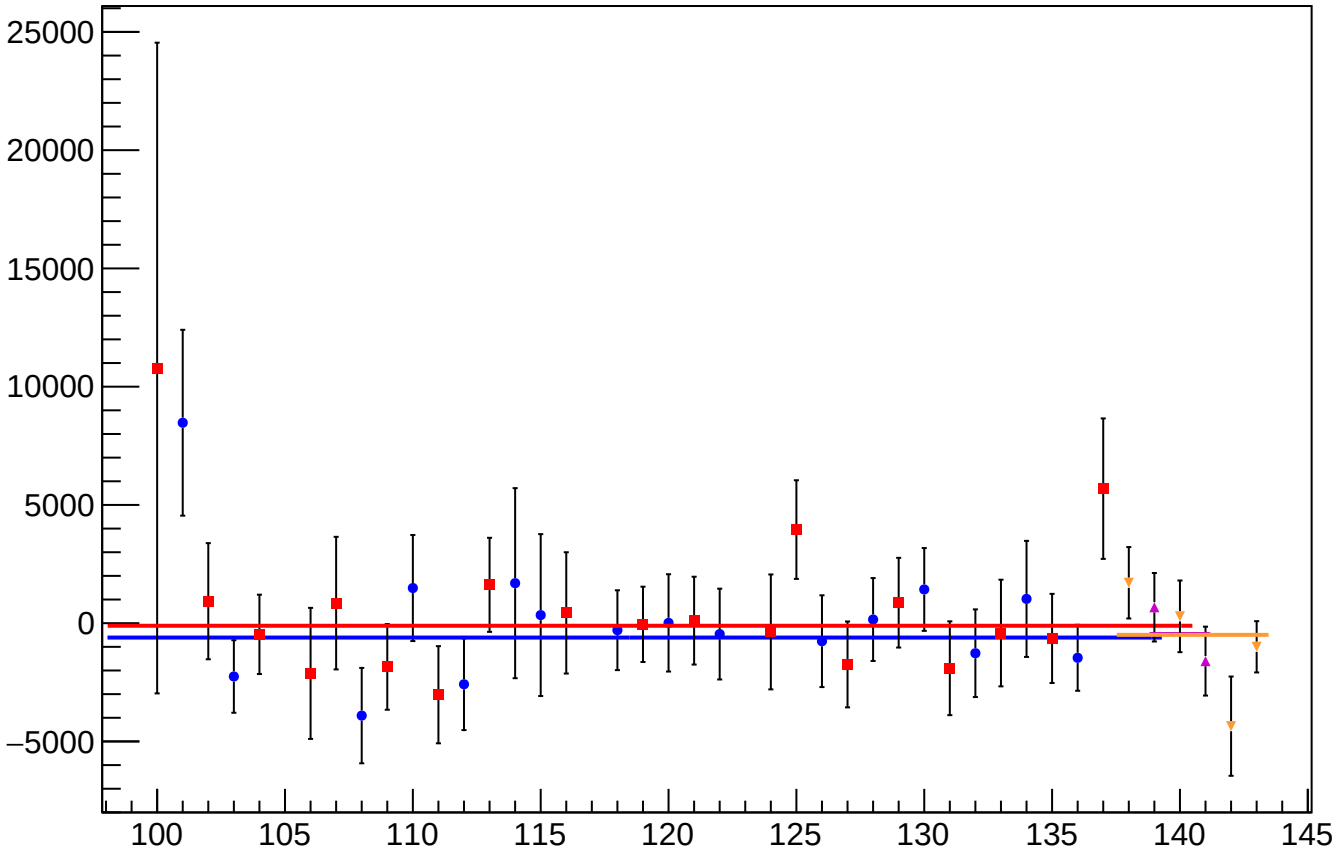
Left: 3421.977+/-1.162 χ^2/NDF: 464853.7/5

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3608.863+/-0.866 χ^2/NDF:467543.2/17

Out: 3182.211+/-0.720 χ^2/NDF:1070371.2/22

All: 3356.488+/-0.553 χ^2/NDF: 1681519.4/40



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -493.288+/-715.647 χ^2/NDF:6.0/3

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -458.120+/-1026.914 χ^2/NDF:1.2/1

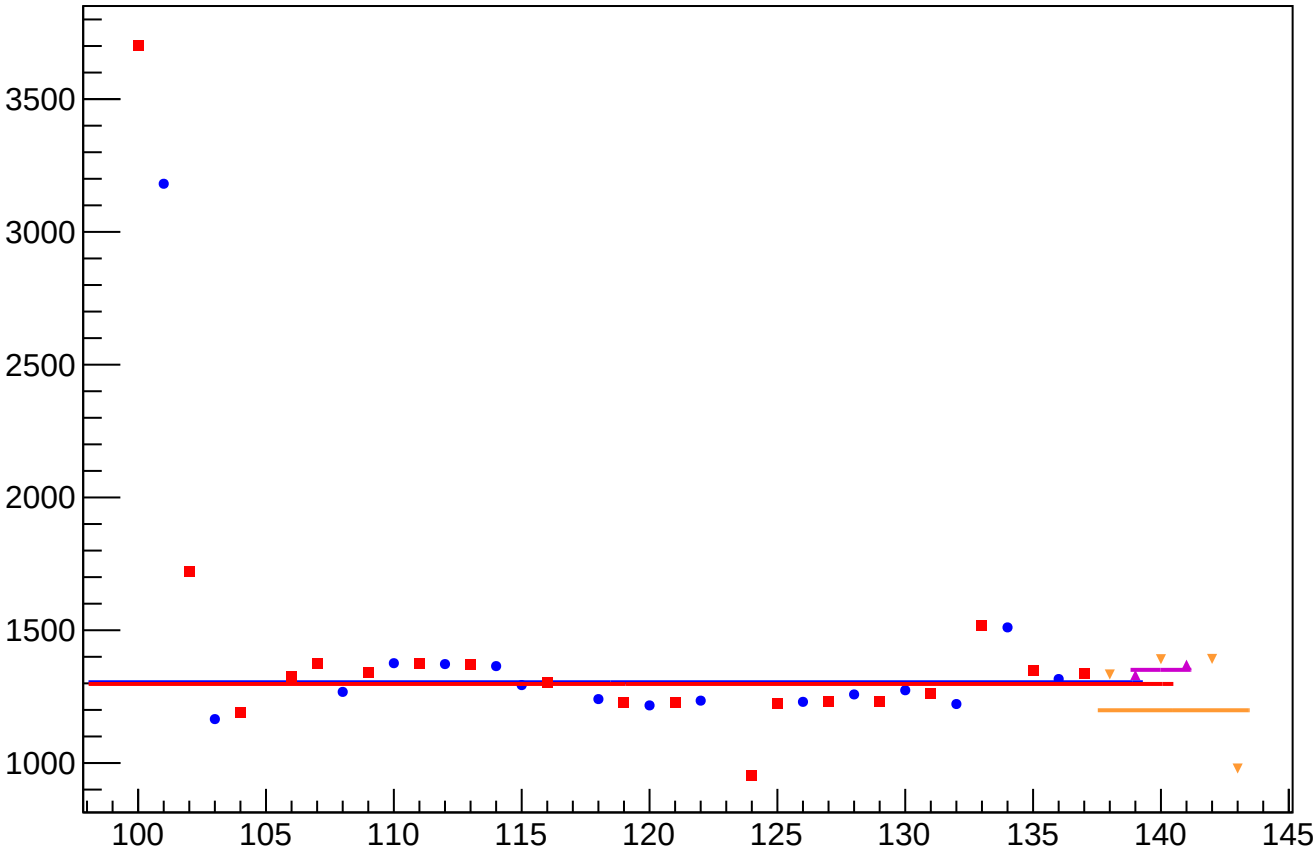
Left: -481.792+/-587.137 χ^2/NDF: 7.2/5

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -579.682+/-445.302 χ^2/NDF:15.4/17

Out: -229.877+/-401.800 χ^2/NDF:21.1/22

All: -386.863+/-298.313 χ^2/NDF: 36.8/40



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1198.674+/-0.506 χ^2/NDF:147056.7/3

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1350.870+/-0.726 χ^2/NDF:712.8/1

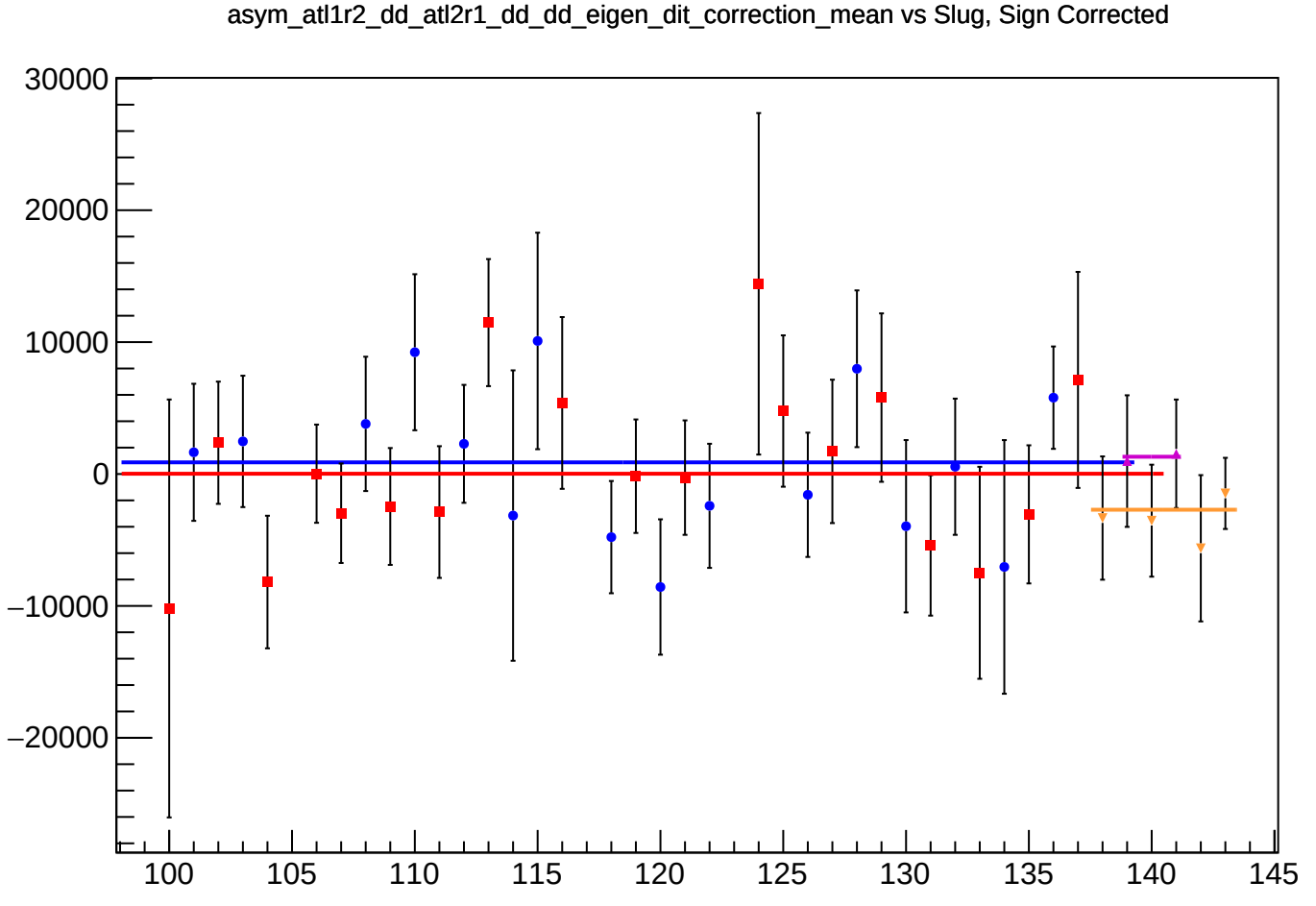
Left: 1248.427+/-0.415 χ^2/NDF: 177339.5/5

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1312.896+/-0.315 χ^2/NDF:514670.6/17

Out: 1266.582+/-0.284 χ^2/NDF:386439.5/22

All: 1287.355+/-0.211 χ^2/NDF: 913041.1/40



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2707.658+/-1920.102 χ^2/NDF:0.5/3

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1309.271+/-3173.463 χ^2/NDF:0.0/1

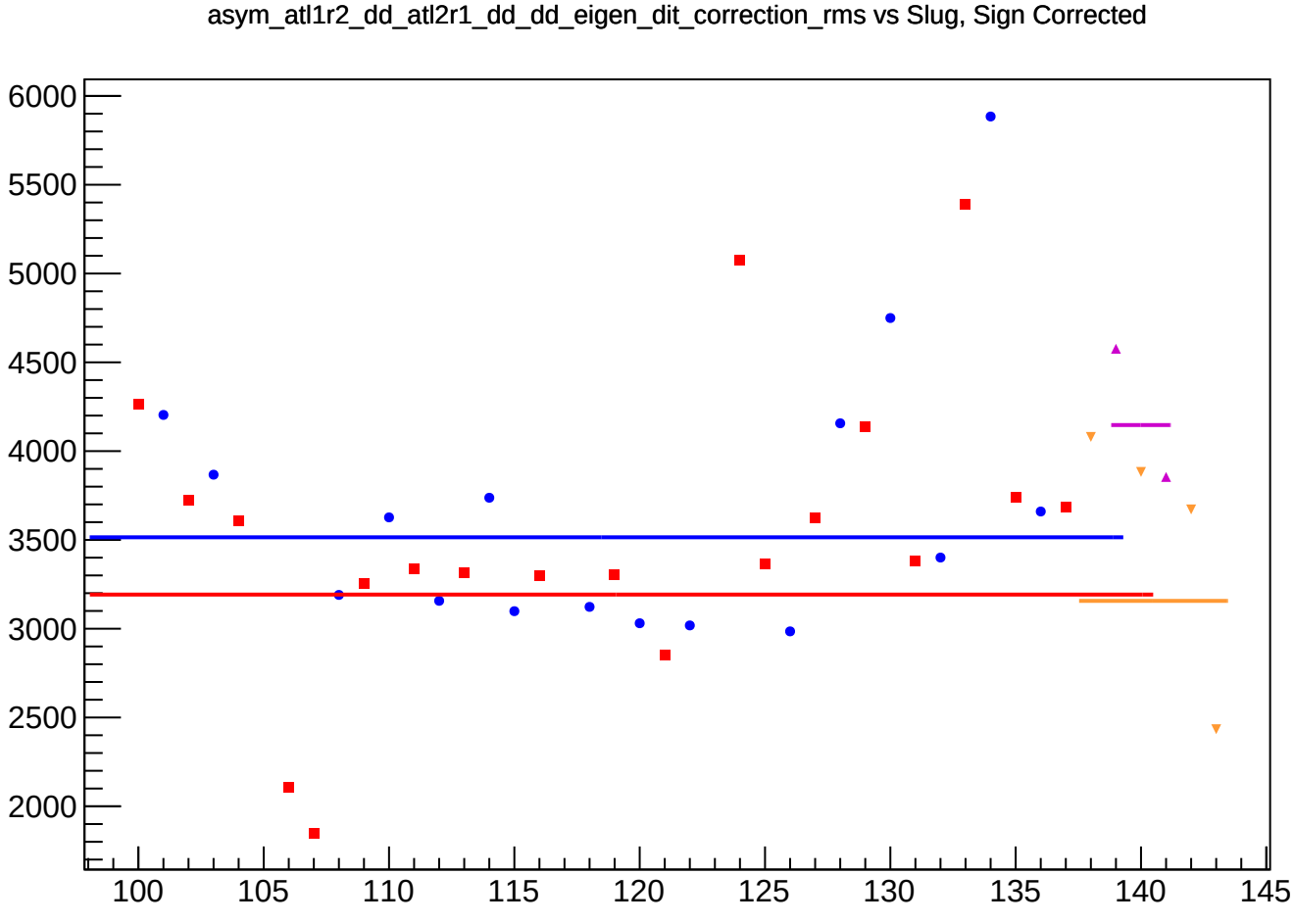
Left: -1631.198+/-1642.803 χ^2/NDF: 1.7/5

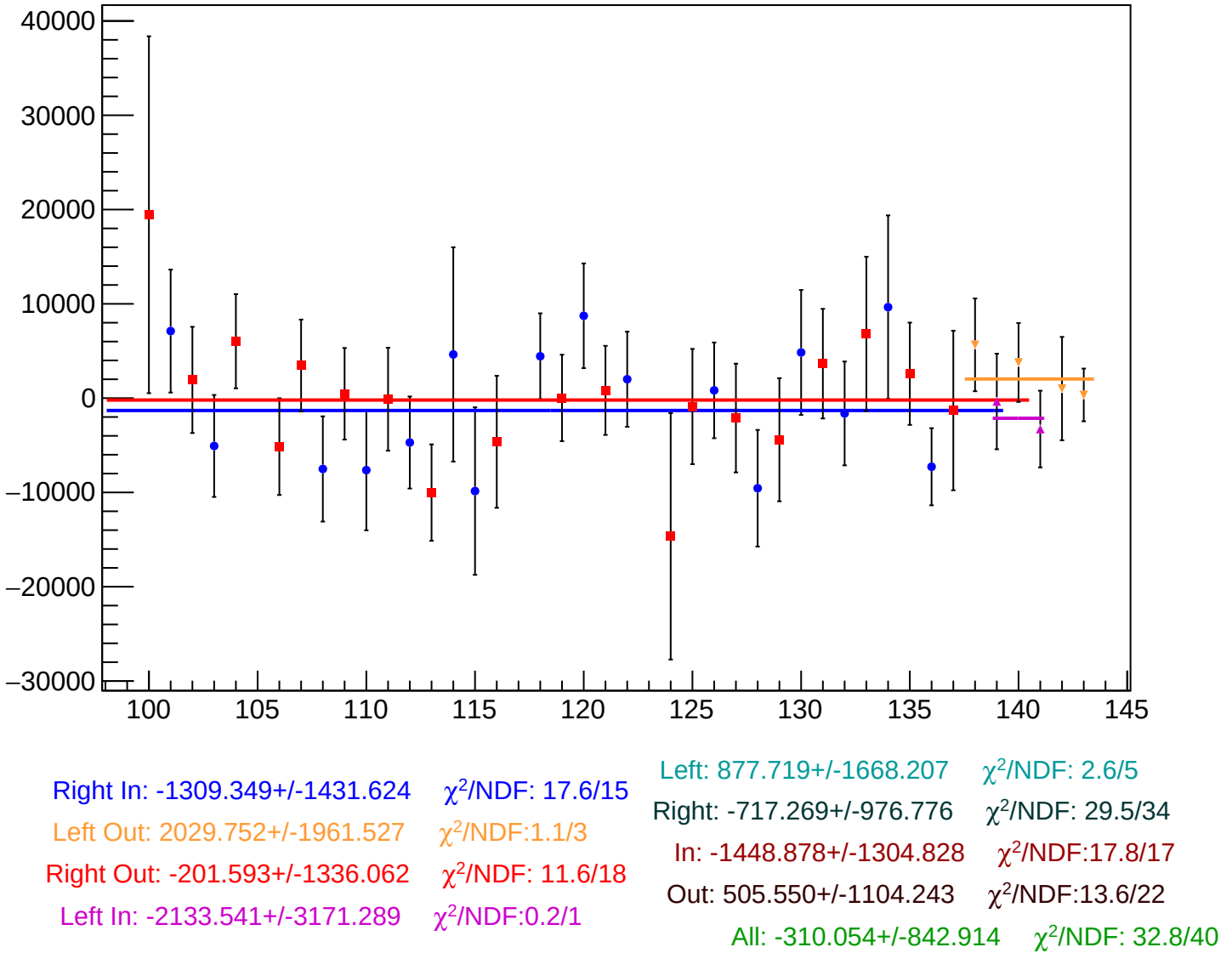
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

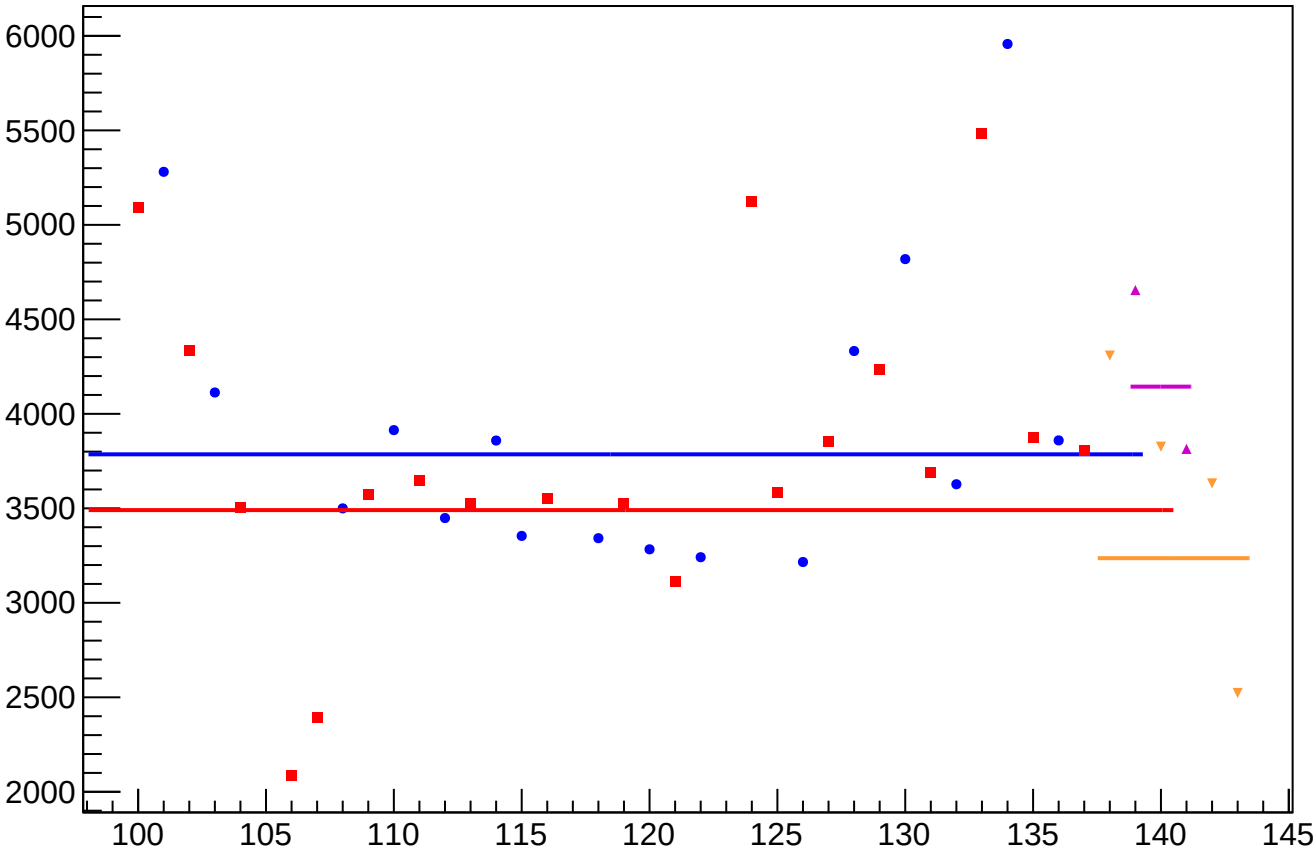
In: 947.365+/-1224.586 χ^2/NDF:14.1/17

Out: -745.661+/-1017.620 χ^2/NDF:18.8/22

All: -54.102+/-782.658 χ^2/NDF: 34.1/40


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3156.634+/-1.358 χ²/NDF:297382.2/3
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4146.807+/-2.244 χ²/NDF:24942.3/1
Left: 3421.982+/-1.162 χ²/NDF: 464854.7/5
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3608.855+/-0.866 χ²/NDF:467551.1/17
Out: 3182.207+/-0.720 χ²/NDF:1070373.5/22
All: 3356.482+/-0.553 χ²/NDF: 1681527.9/40


asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 2029.752+/-1961.527 χ²/NDF:1.1/3
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: -2133.541+/-3171.289 χ²/NDF:0.2/1
Left: 877.719+/-1668.207 χ²/NDF: 2.6/5
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -1448.878+/-1304.828 χ²/NDF:17.8/17
Out: 505.550+/-1104.243 χ²/NDF:13.6/22
All: -310.054+/-842.914 χ²/NDF: 32.8/40



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3236.281+/-1.387 χ^2/NDF:275576.3/3

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4143.971+/-2.242 χ^2/NDF:33477.9/1

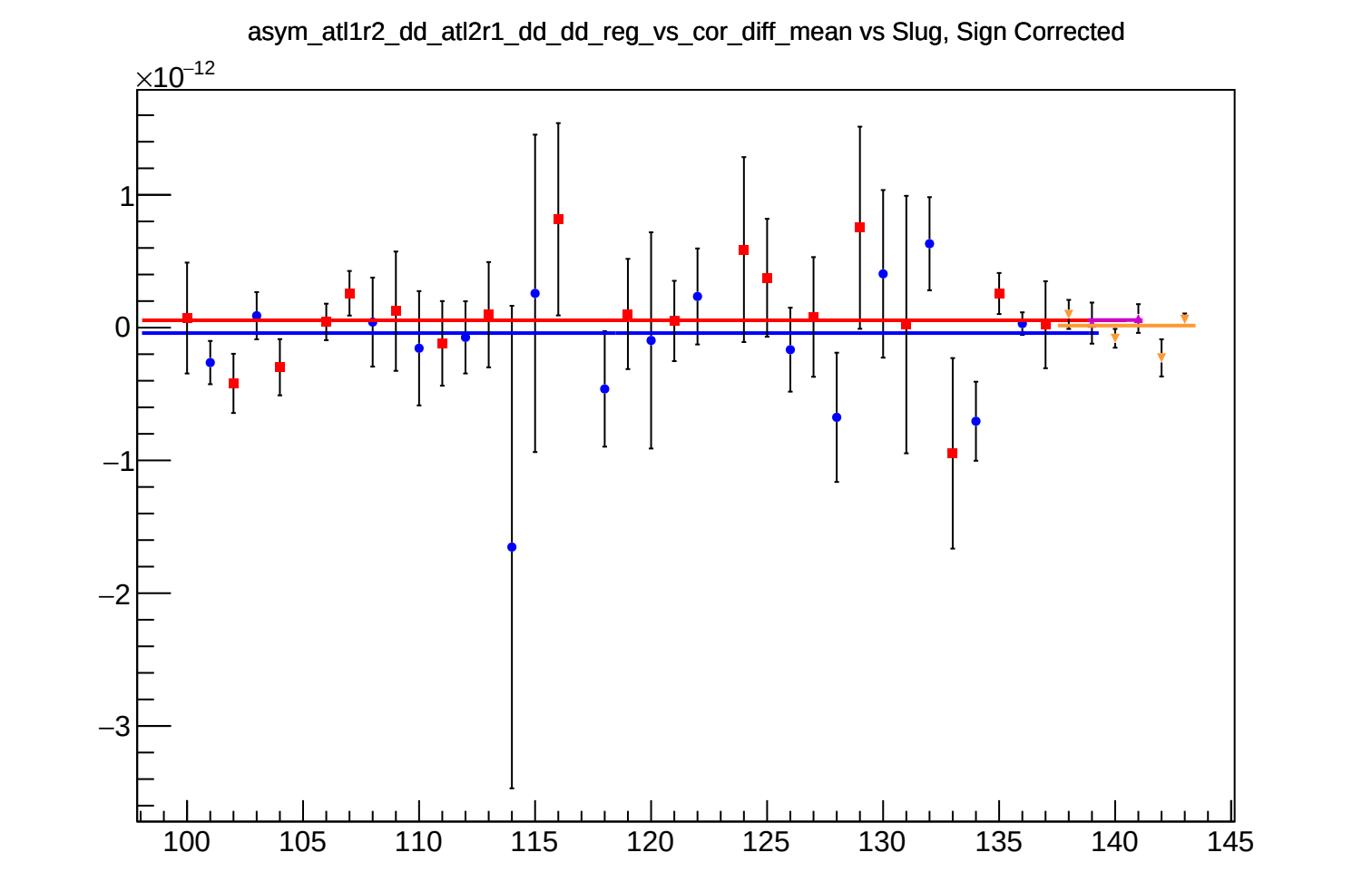
Left: 3487.450+/-1.180 χ^2/NDF: 427561.4/5

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3846.413+/-0.923 χ^2/NDF:437666.8/17

Out: 3411.516+/-0.773 χ^2/NDF:885458.1/22

All: 3591.016+/-0.593 χ^2/NDF: 1453600.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

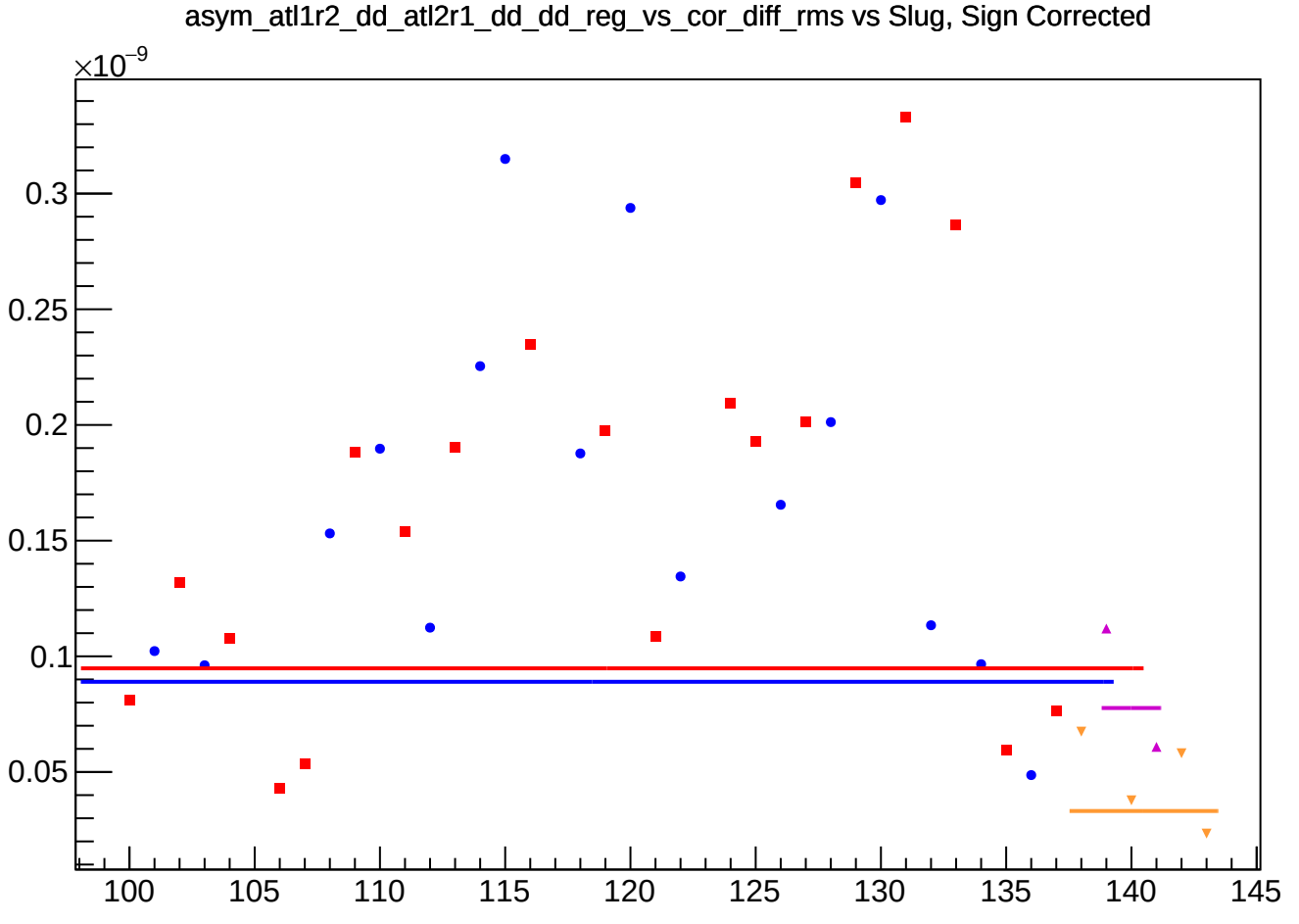
Left: 0.000+/-0.000 χ^2/NDF: 6.8/5

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:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:367020.7/3

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: 952327.5/5

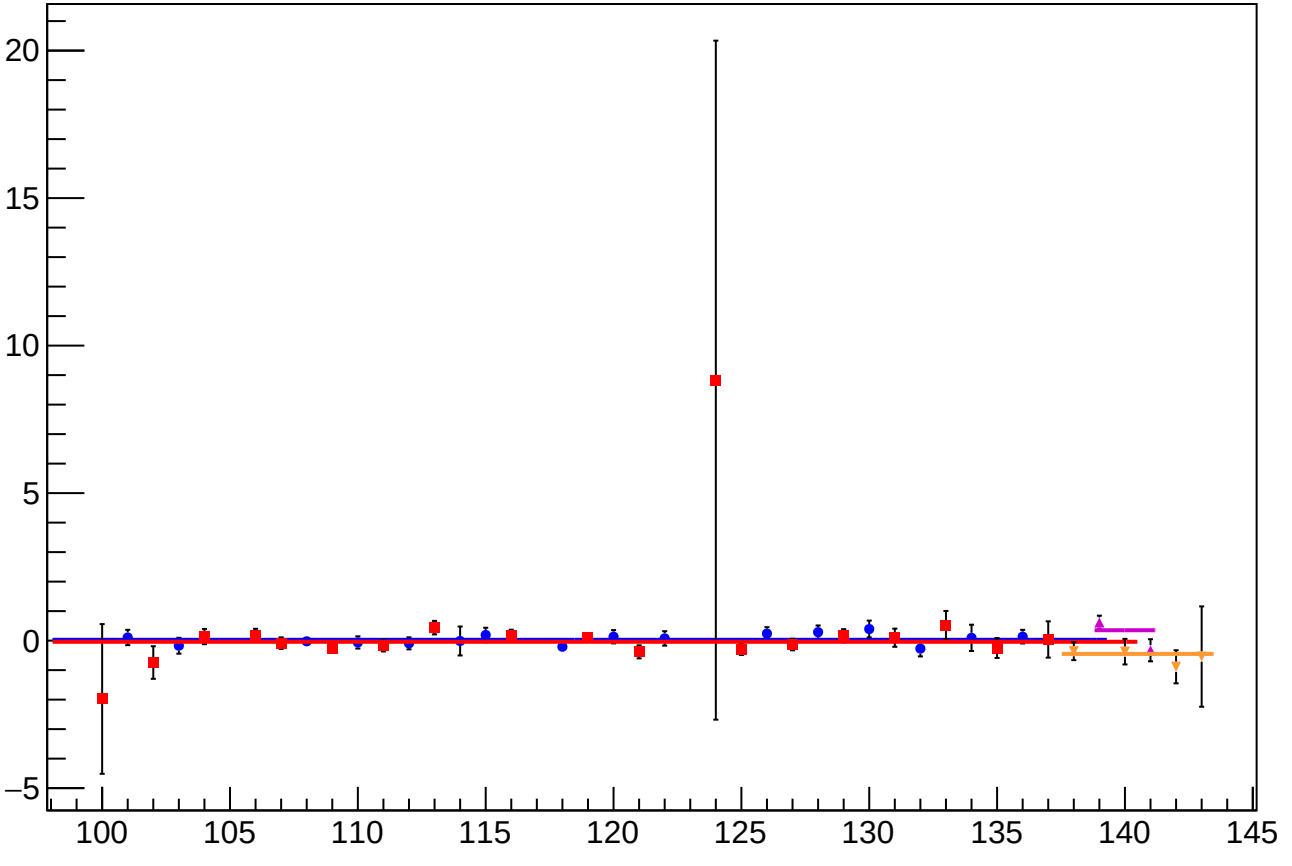
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1630065.3/17

Out: 0.000+/-0.000 χ^2/NDF:3545840.5/22

All: 0.000+/-0.000 χ^2/NDF: 6072633.0/40

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

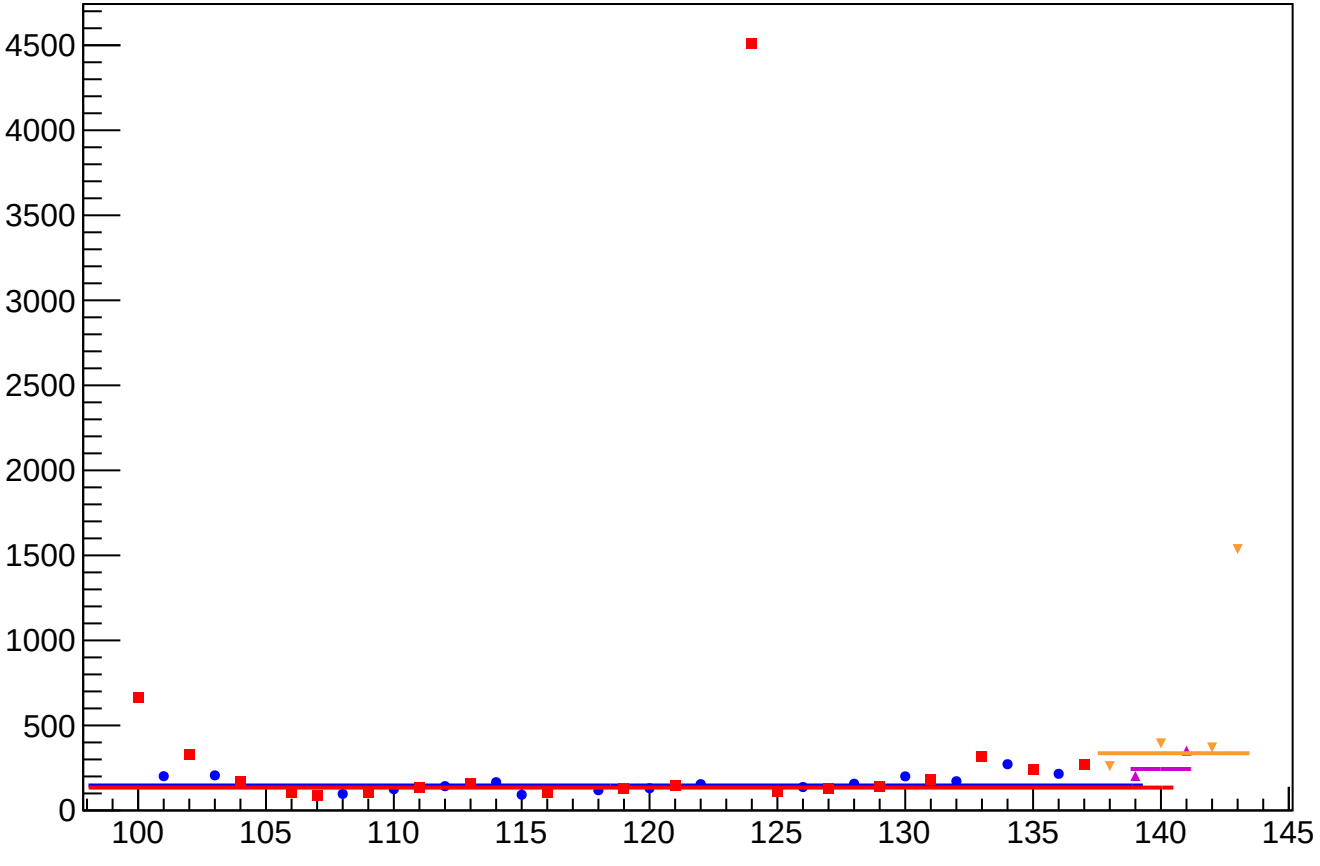
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

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: 284.185+/-0.105 χ^2/NDF: 1582782.5/5

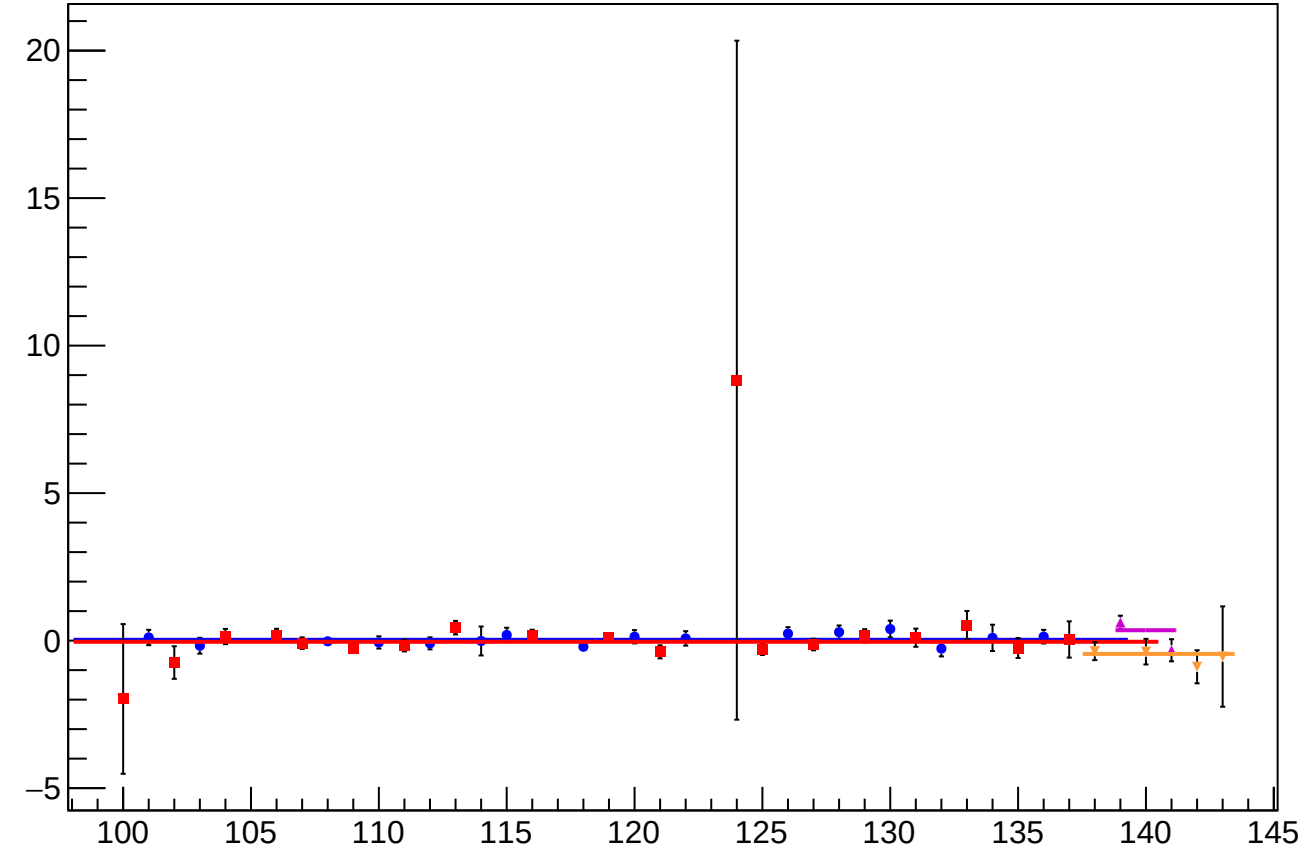
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

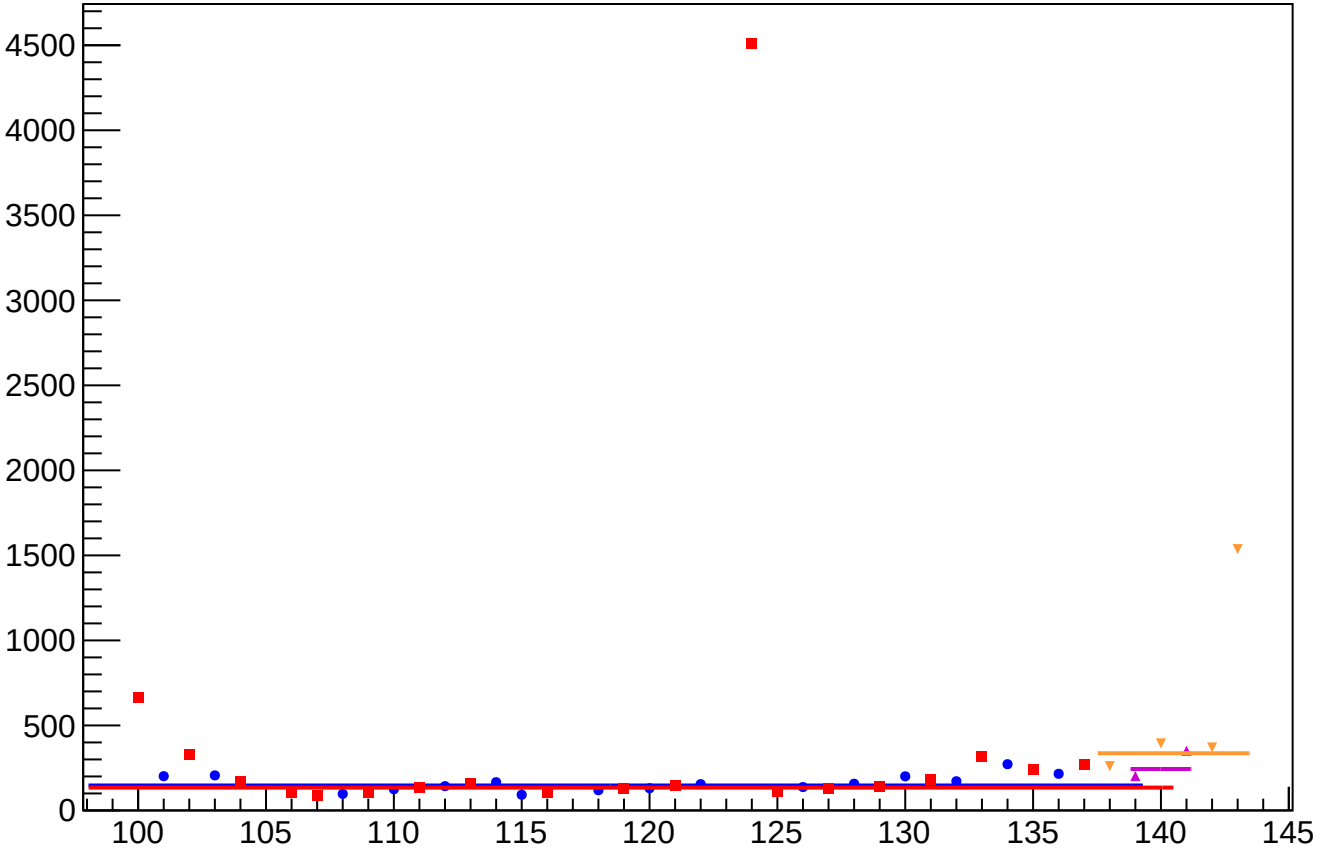
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.413+/-0.159 χ^2/NDF:1164908.8/3

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 243.847+/-0.140 χ^2/NDF:226761.4/1

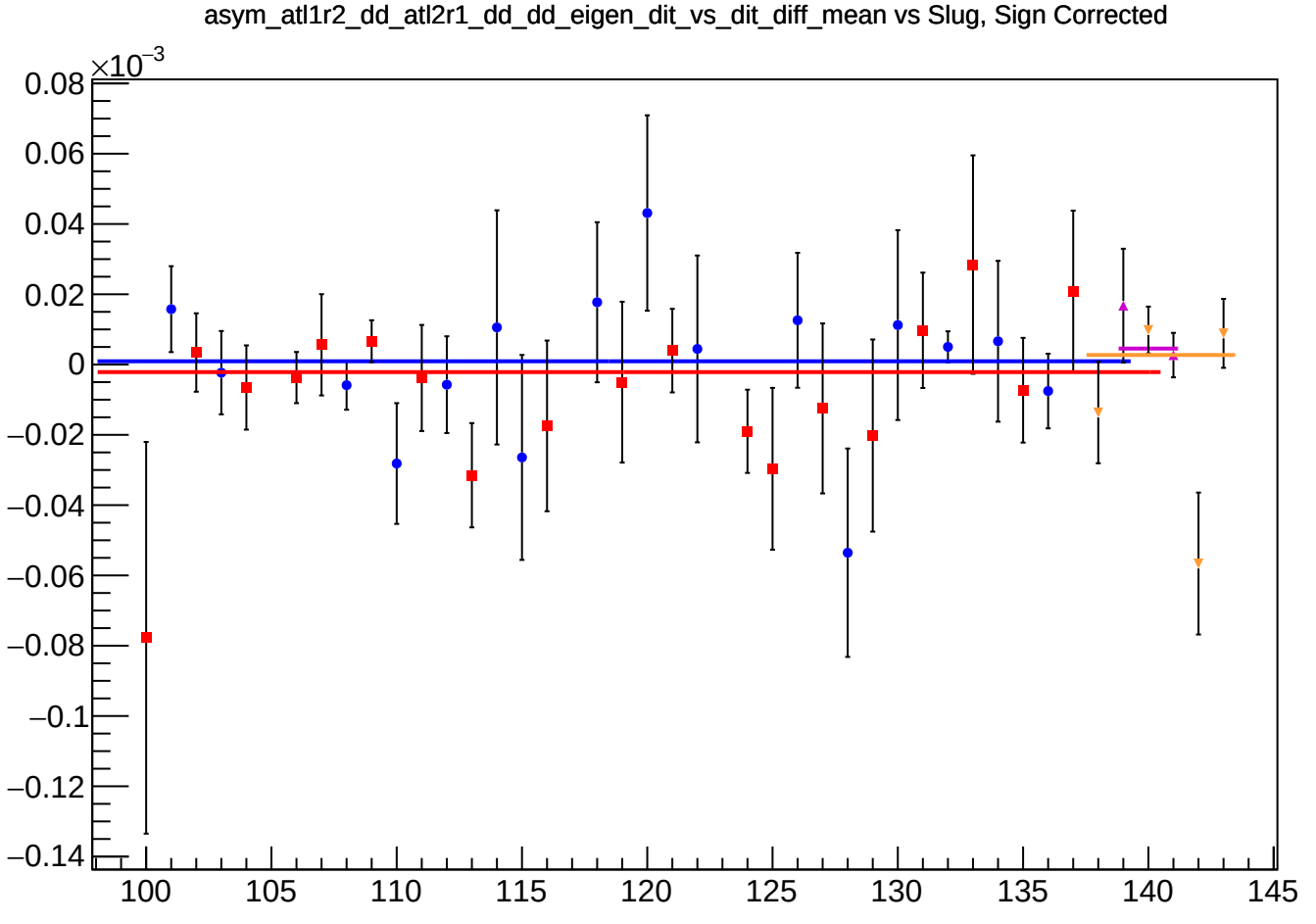
Left: 284.185+/-0.105 χ^2/NDF: 1582782.5/5

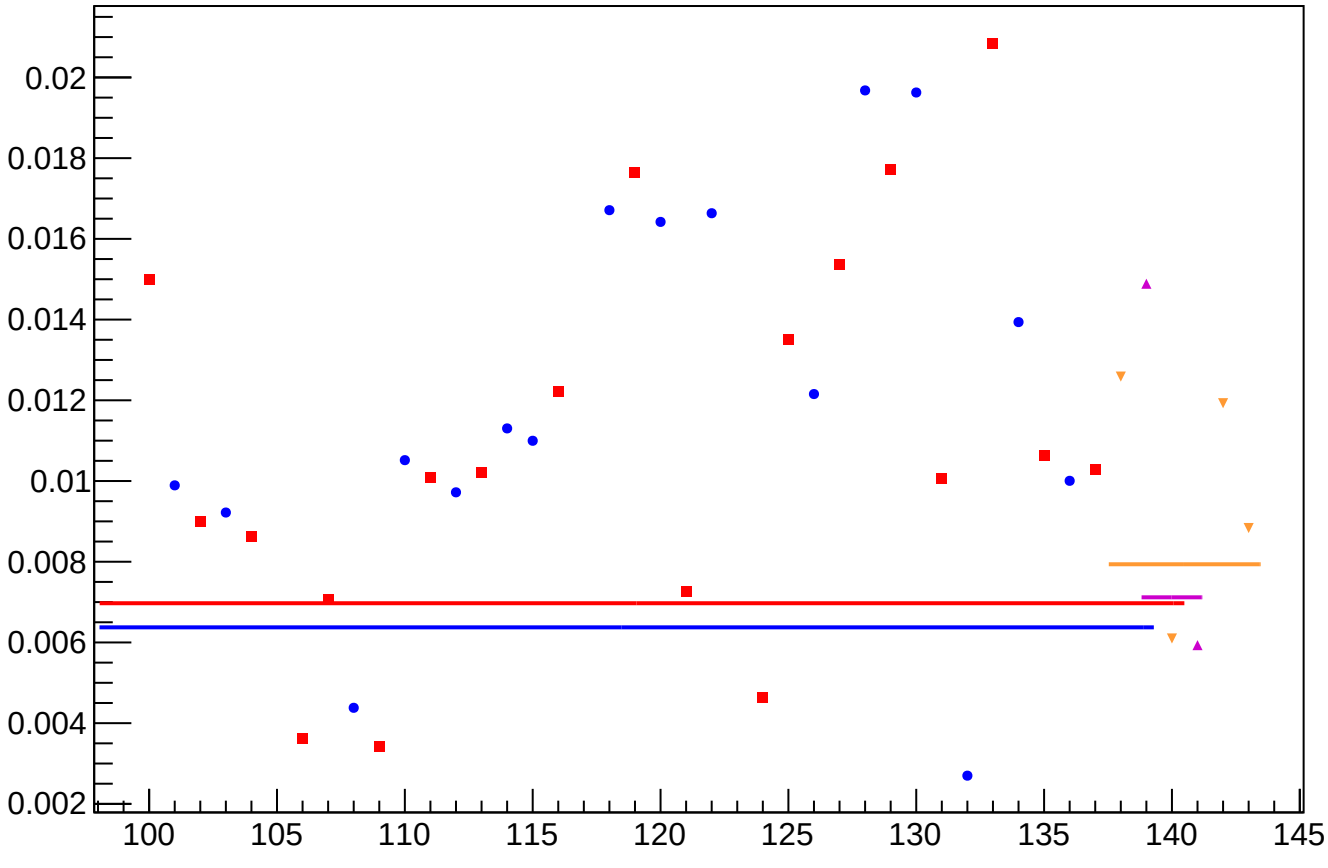
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 154.447+/-0.039 χ^2/NDF:1669400.9/17

Out: 145.810+/-0.038 χ^2/NDF:4292623.7/22

All: 149.956+/-0.027 χ^2/NDF: 5987311.0/40


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:0.7/1
Left: 0.000+/-0.000 χ²/NDF: 12.2/5
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:15.8/17
Out: -0.000+/-0.000 χ²/NDF:28.2/22
All: 0.000+/-0.000 χ²/NDF: 44.5/40



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:454111.8/3

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: 0.008+/-0.000 χ^2/NDF: 1007079.2/5

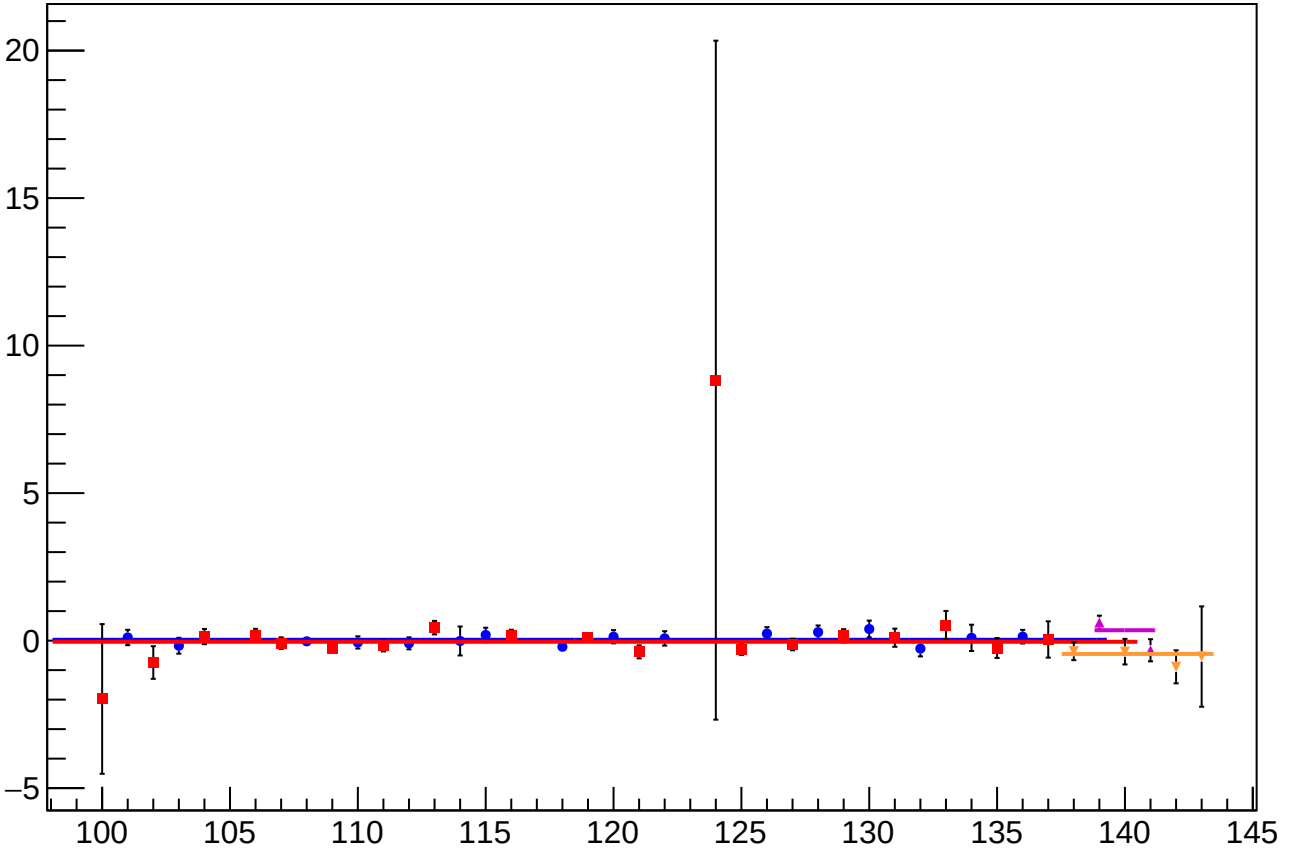
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5195831.4/17

Out: 0.007+/-0.000 χ^2/NDF:3918888.7/22

All: 0.007+/-0.000 χ^2/NDF: 9188865.3/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

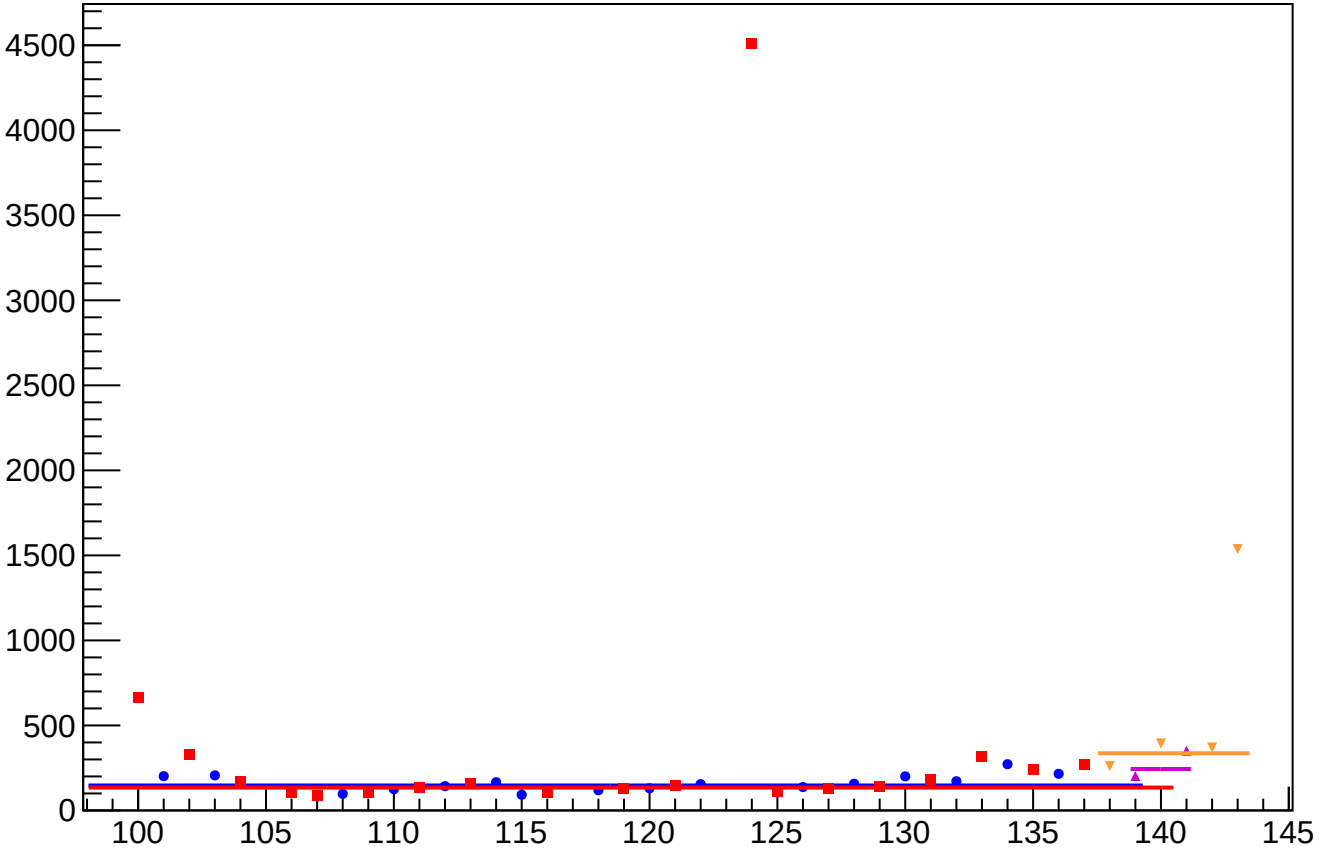
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

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: 284.190+/-0.105 χ^2/NDF: 1582753.3/5

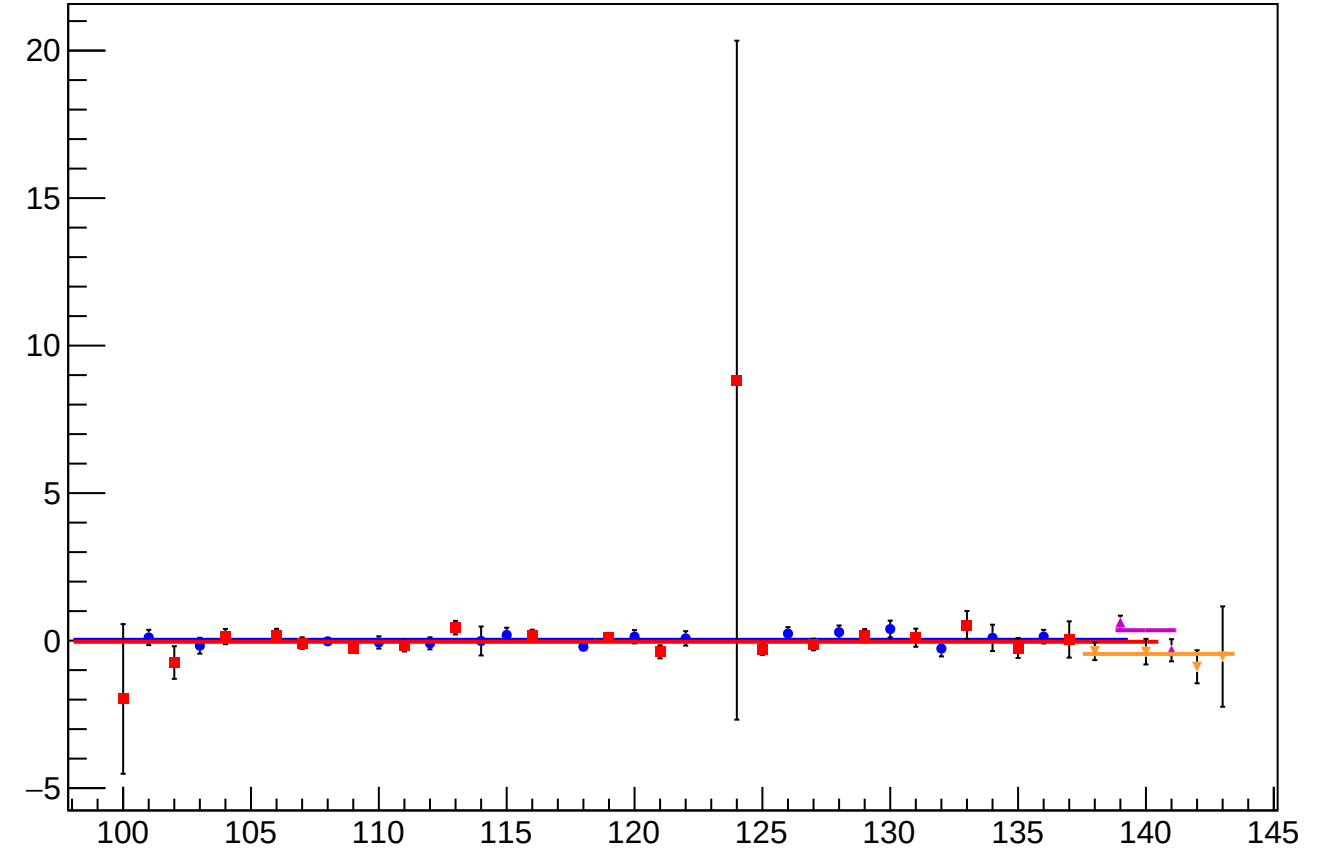
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40

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: -0.451+/-0.225 χ^2/NDF:0.7/3

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: 0.002+/-0.148 χ^2/NDF: 12.5/5

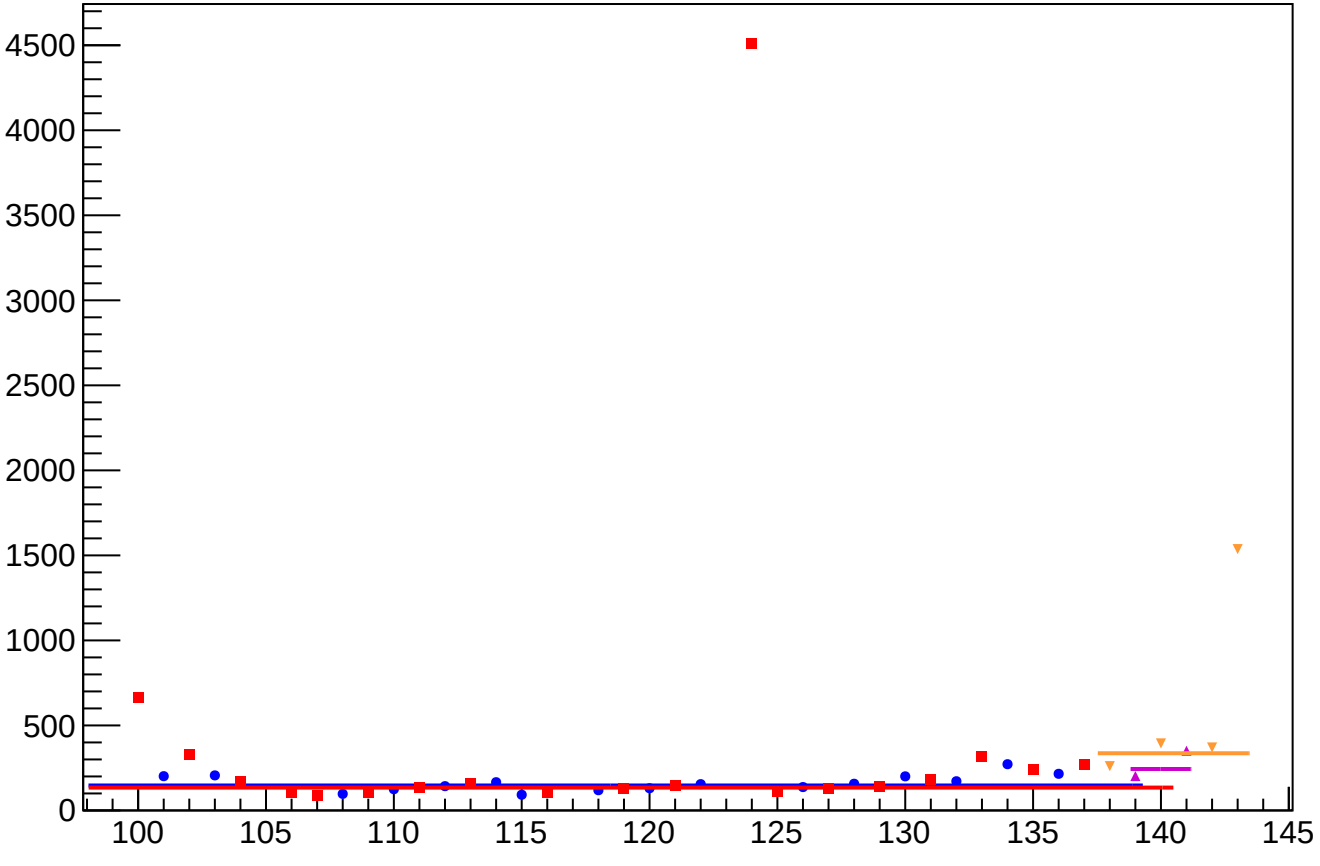
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.053+/-0.055 χ^2/NDF:16.5/17

Out: -0.062+/-0.053 χ^2/NDF:23.9/22

All: -0.007+/-0.038 χ^2/NDF: 42.6/40

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: 336.417+/-0.159 χ^2/NDF:1164898.4/3

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 243.852+/-0.140 χ^2/NDF:226749.0/1

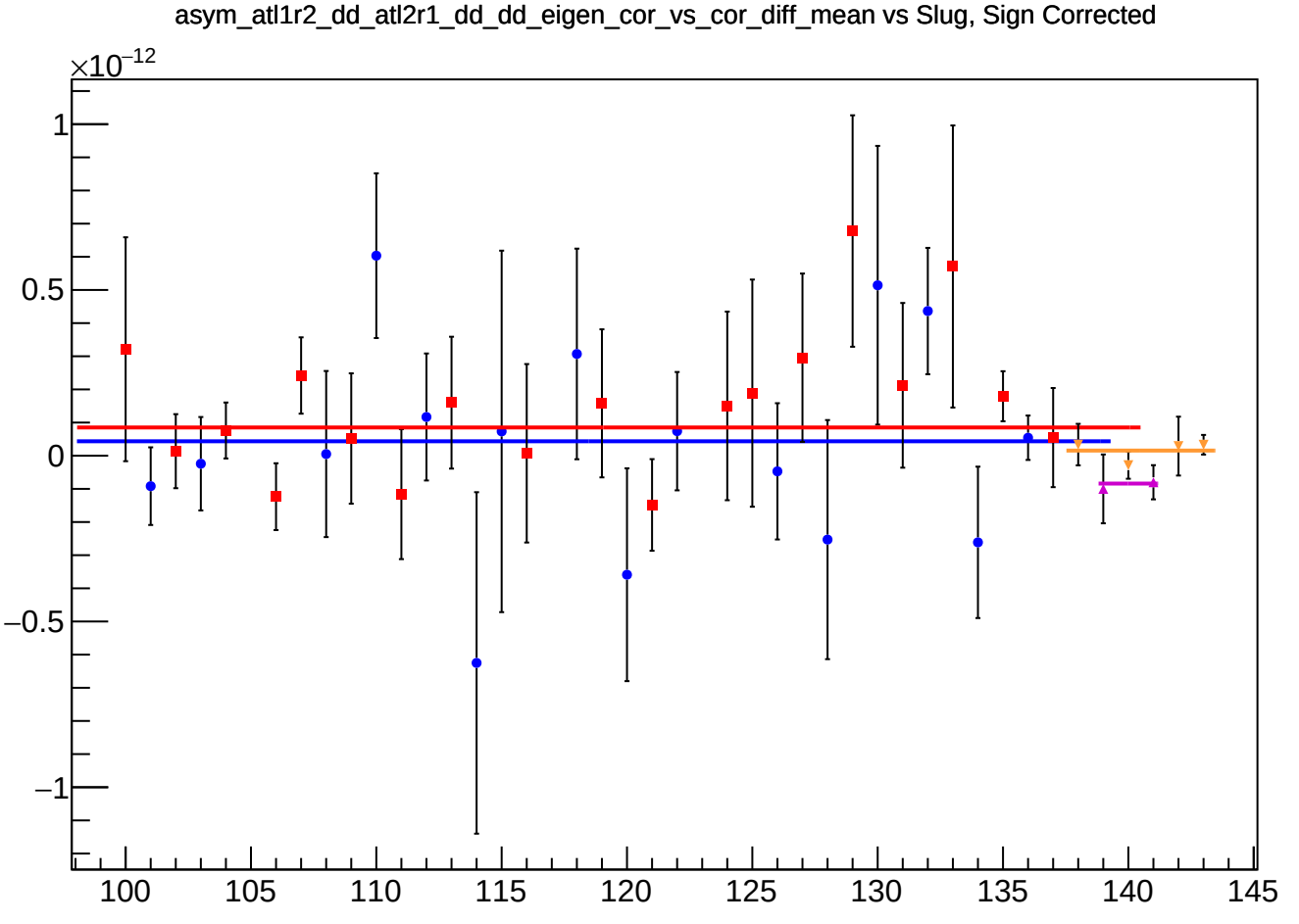
Left: 284.190+/-0.105 χ^2/NDF: 1582753.3/5

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 154.447+/-0.039 χ^2/NDF:1669358.5/17

Out: 145.811+/-0.038 χ^2/NDF:4292551.7/22

All: 149.957+/-0.027 χ^2/NDF: 5987188.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

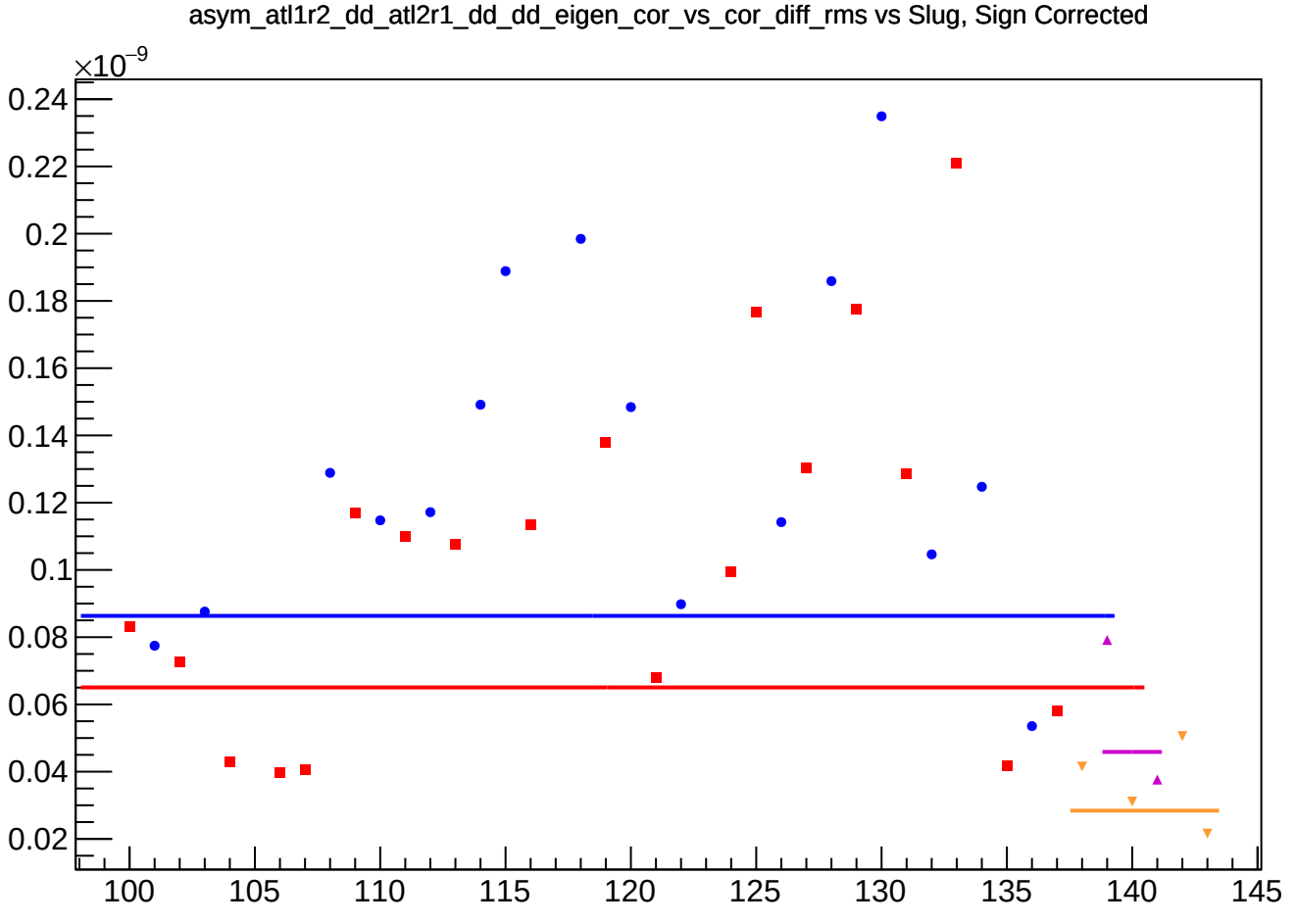
Left: -0.000+/-0.000 χ^2/NDF: 5.4/5

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:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 47.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:327111.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:256625.8/1

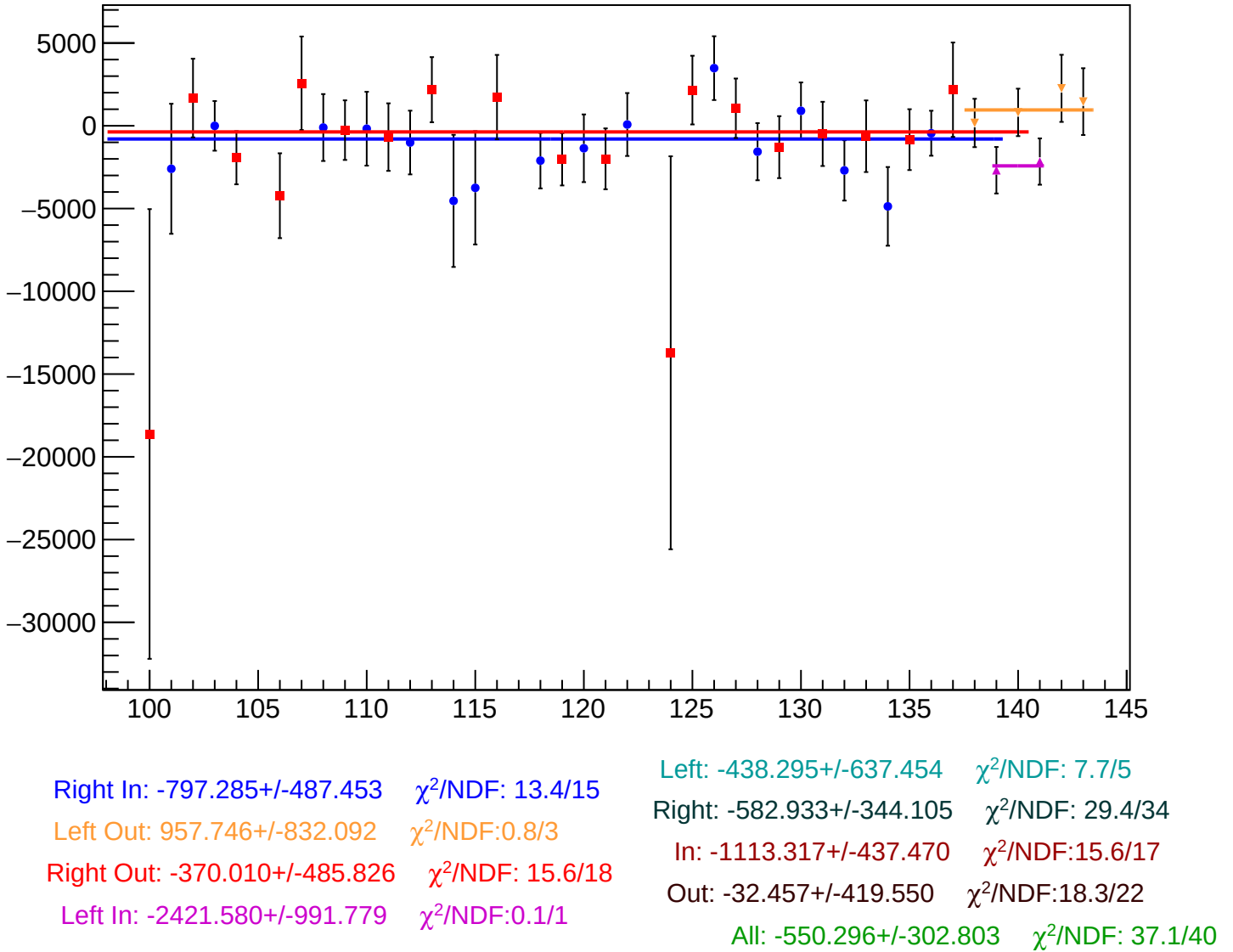
Left: 0.000+/-0.000 χ^2/NDF: 817785.5/5

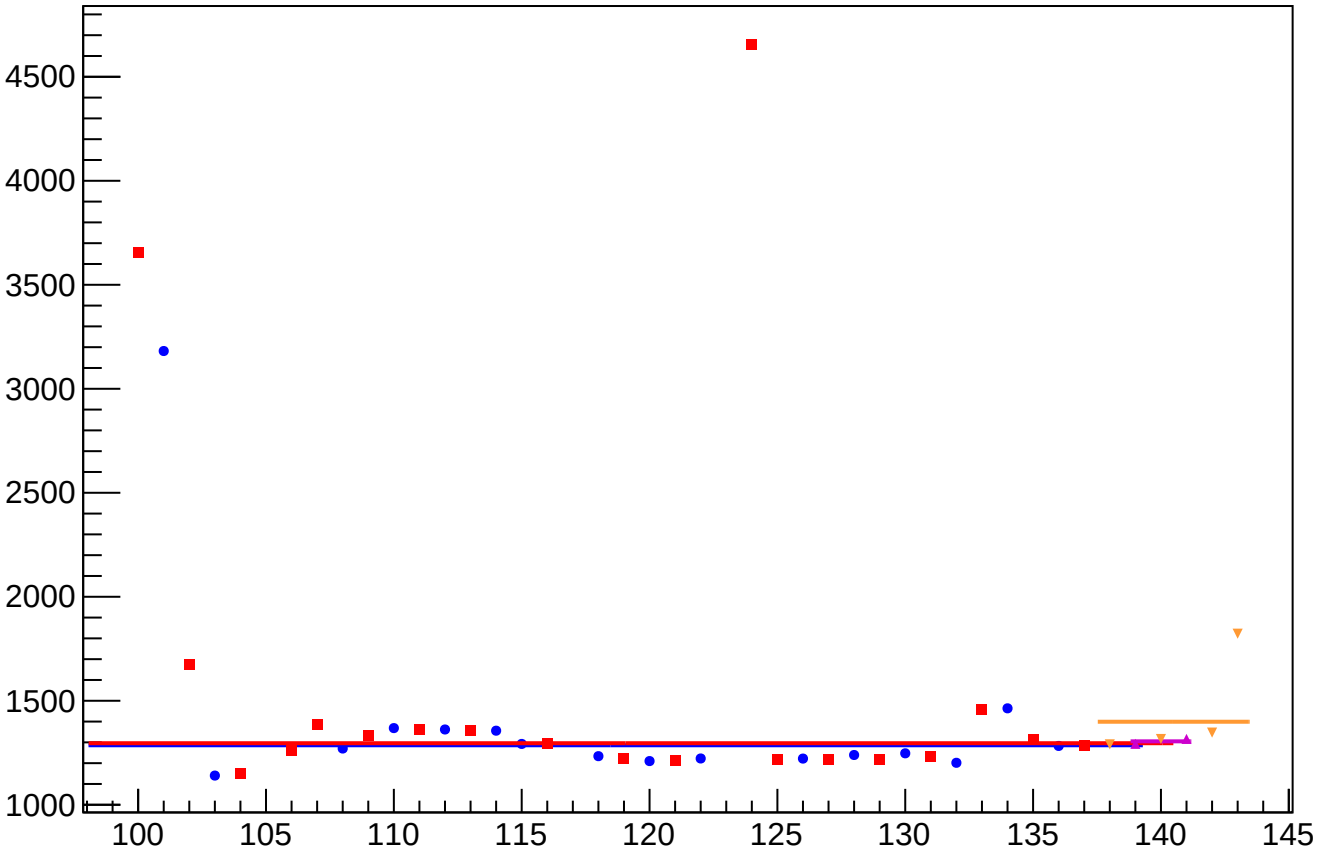
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2649362.1/17

Out: 0.000+/-0.000 χ^2/NDF:4119634.2/22

All: 0.000+/-0.000 χ^2/NDF: 8019028.8/40


reg_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
145
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 957.746+/-832.092 χ²/NDF:0.8/3
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -2421.580+/-991.779 χ²/NDF:0.1/1
Left: -438.295+/-637.454 χ²/NDF: 7.7/5
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -1113.317+/-437.470 χ²/NDF:15.6/17
Out: -32.457+/-419.550 χ²/NDF:18.3/22
All: -550.296+/-302.803 χ²/NDF: 37.1/40



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

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: 1360.243+/-0.451 χ^2/NDF: 118055.4/5

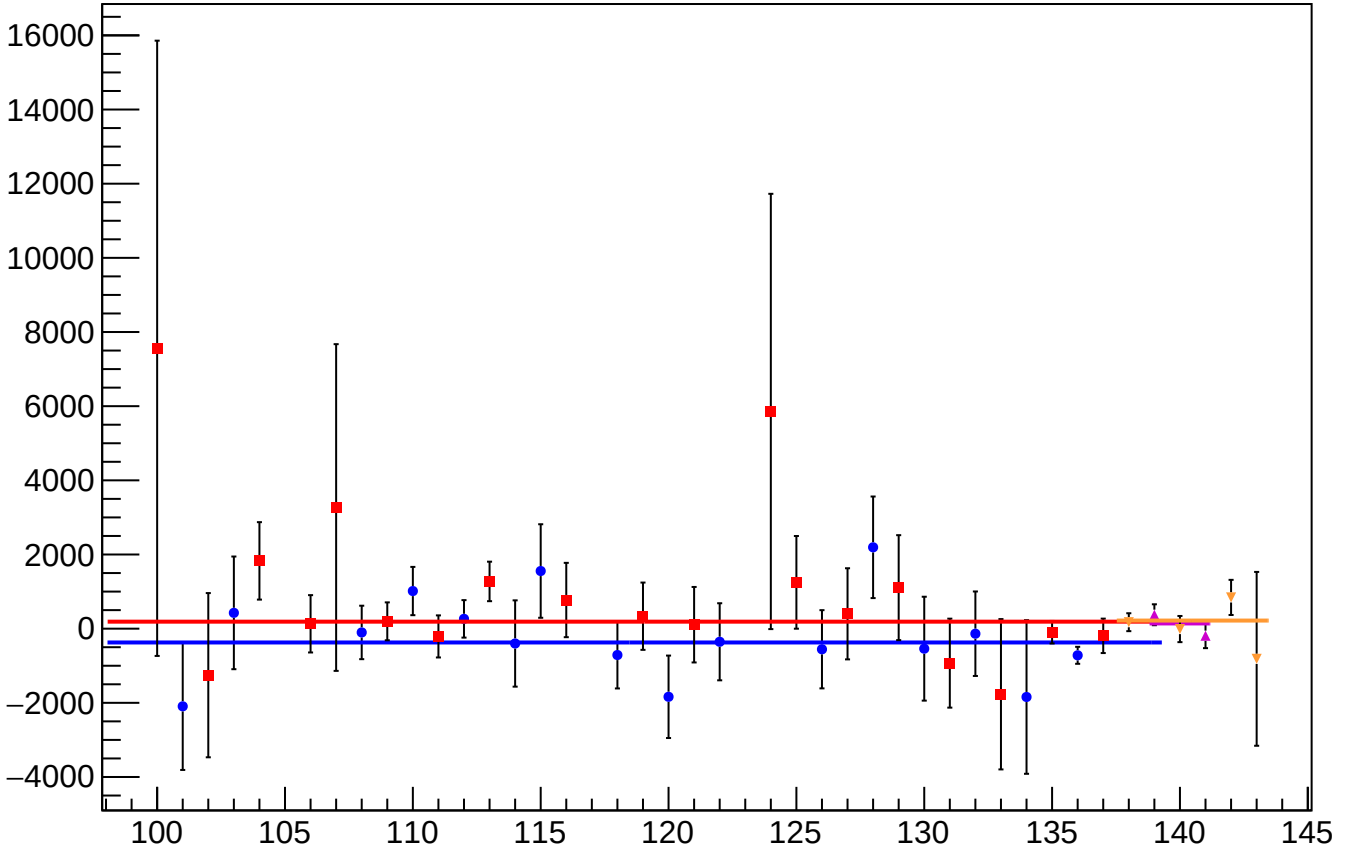
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.759+/-0.309 χ^2/NDF:518995.4/17

Out: 1322.190+/-0.297 χ^2/NDF:458194.9/22

All: 1306.652+/-0.214 χ^2/NDF: 982915.9/40

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: 218.459+/-183.130 χ^2/NDF:2.4/3

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: 186.034+/-139.664 χ^2/NDF: 4.1/5

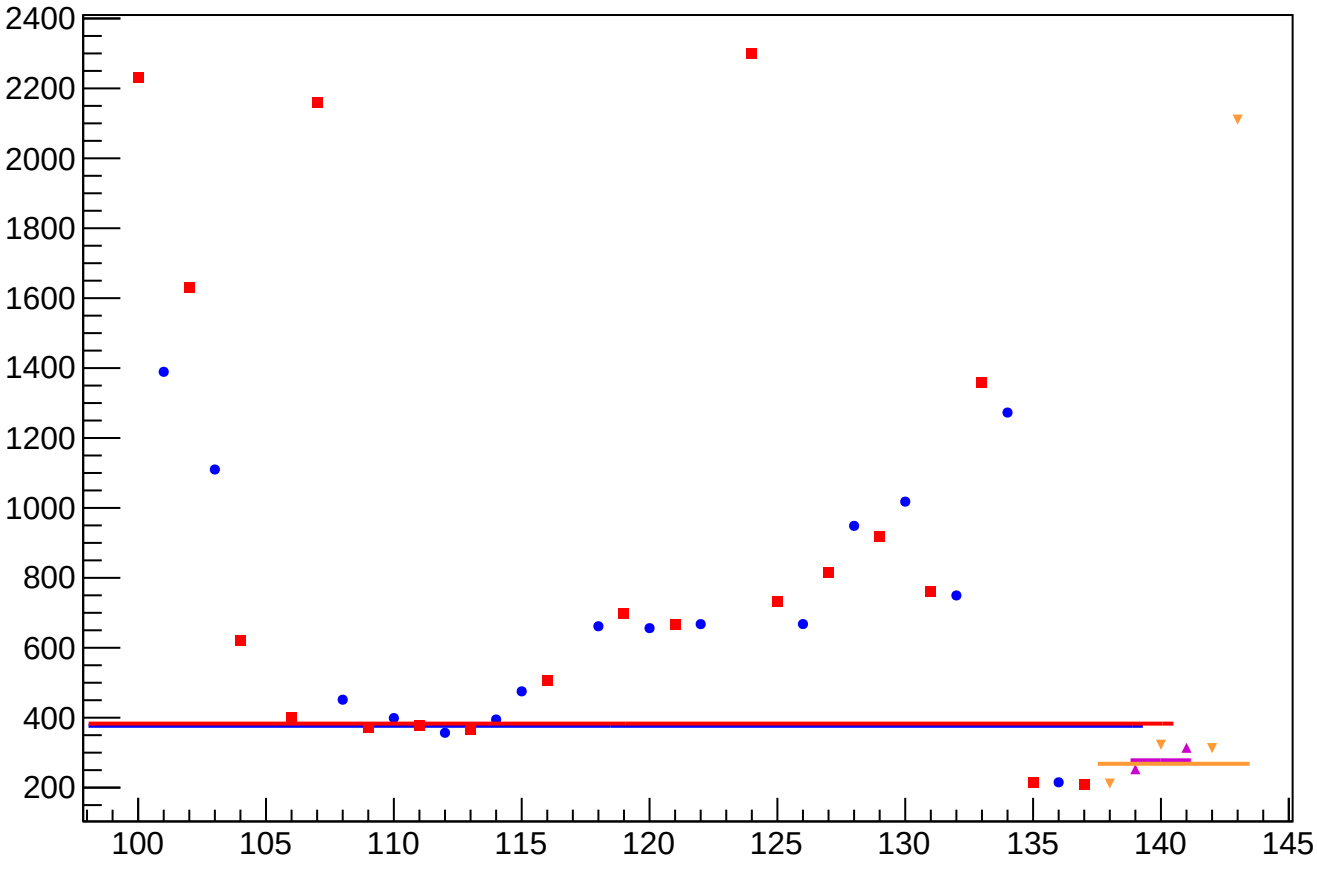
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -178.486+/-132.695 χ^2/NDF:23.3/17

Out: 202.569+/-124.424 χ^2/NDF:17.0/22

All: 24.286+/-90.764 χ^2/NDF: 44.8/40

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: 268.199+/-0.129 χ^2/NDF:1411017.9/3

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.092+/-0.153 χ^2/NDF:39183.4/1

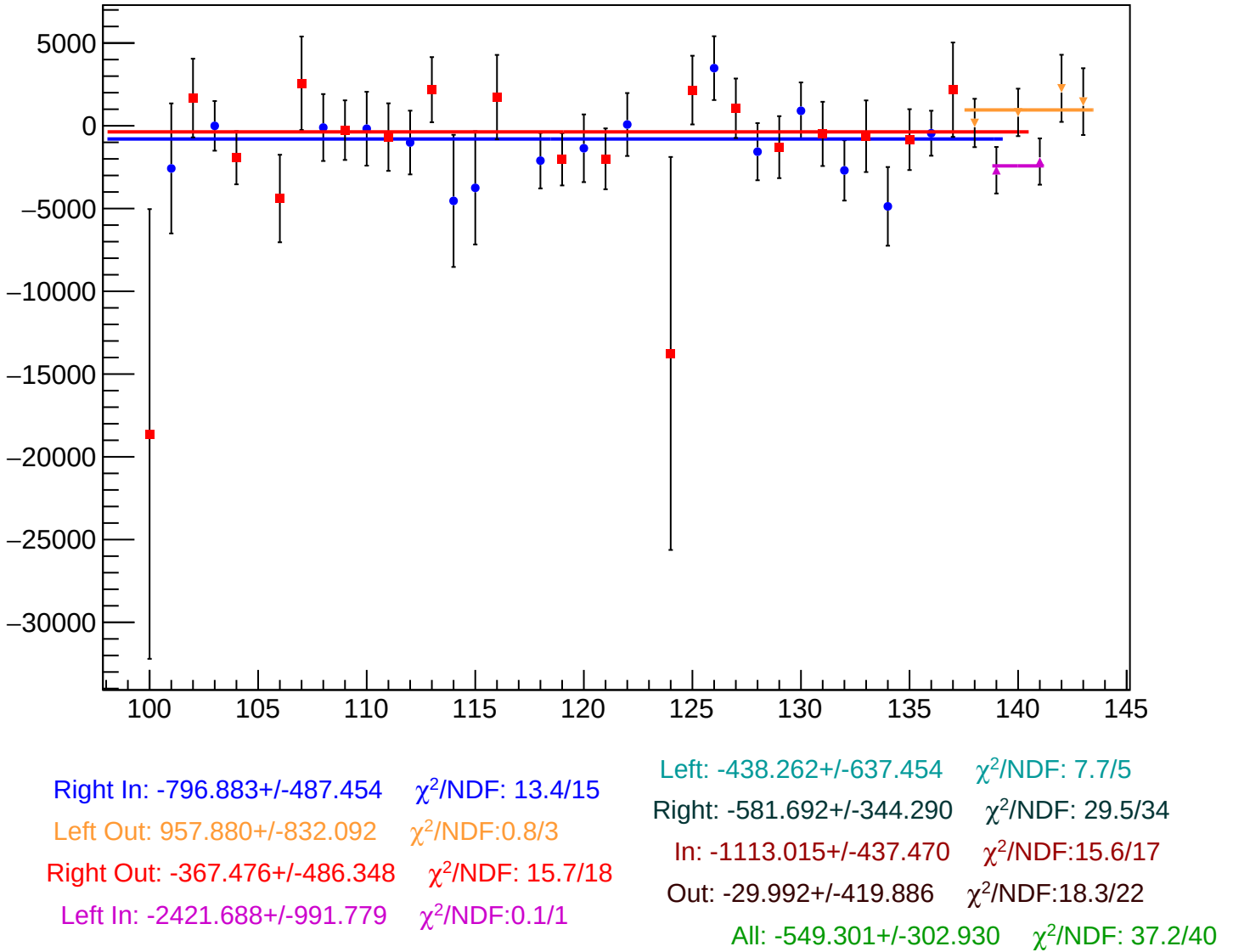
Left: 272.338+/-0.099 χ^2/NDF: 1452642.9/5

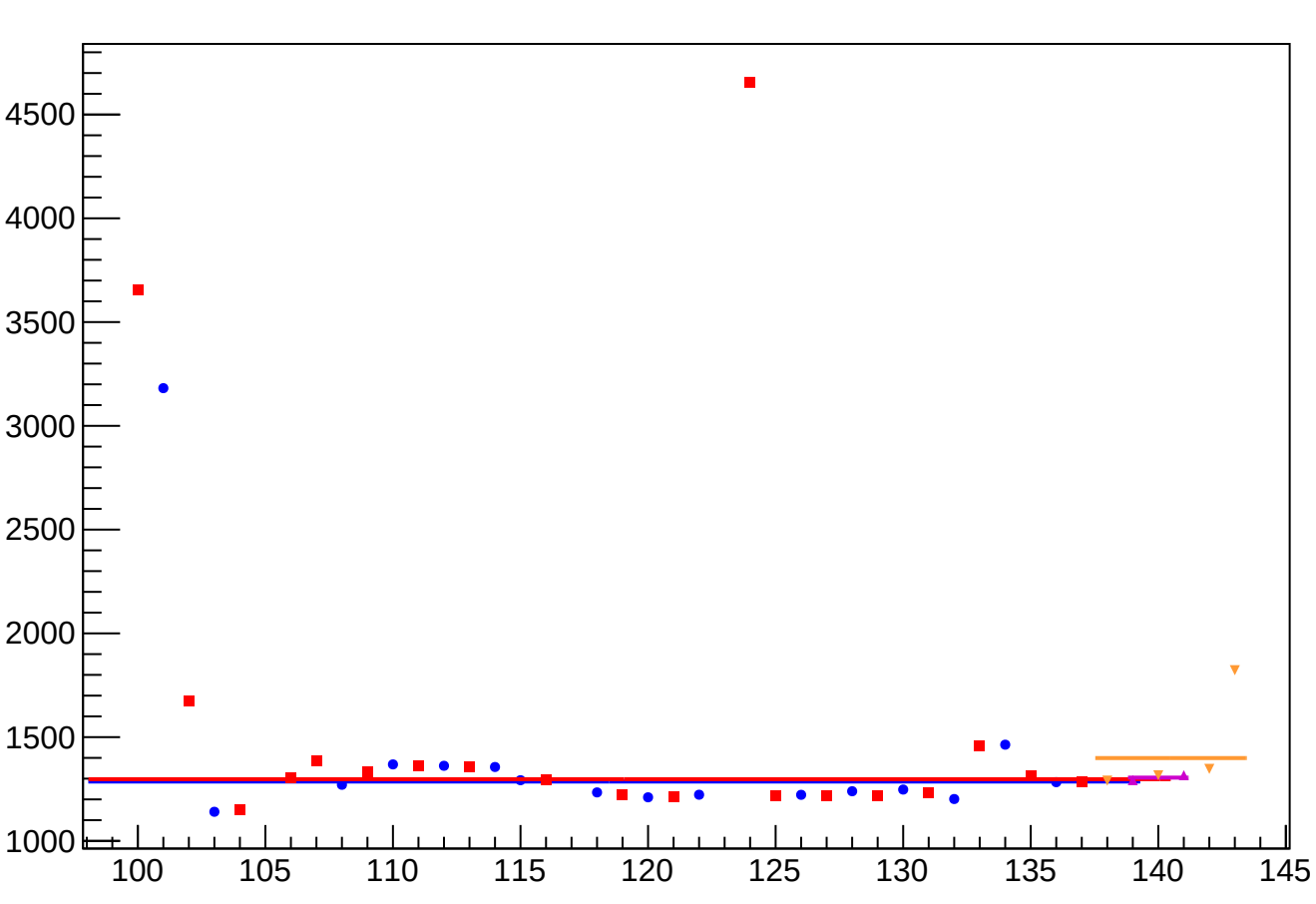
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 339.581+/-0.094 χ^2/NDF:4489974.5/17

Out: 330.045+/-0.088 χ^2/NDF:5888825.5/22

All: 334.506+/-0.064 χ^2/NDF: 10384296.5/40


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
145
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 957.880+/-832.092 χ²/NDF:0.8/3
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2421.688+/-991.779 χ²/NDF:0.1/1
Left: -438.262+/-637.454 χ²/NDF: 7.7/5
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -1113.015+/-437.470 χ²/NDF:15.6/17
Out: -29.992+/-419.886 χ²/NDF:18.3/22
All: -549.301+/-302.930 χ²/NDF: 37.2/40



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

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: 1360.243+/-0.451 χ^2/NDF: 118055.4/5

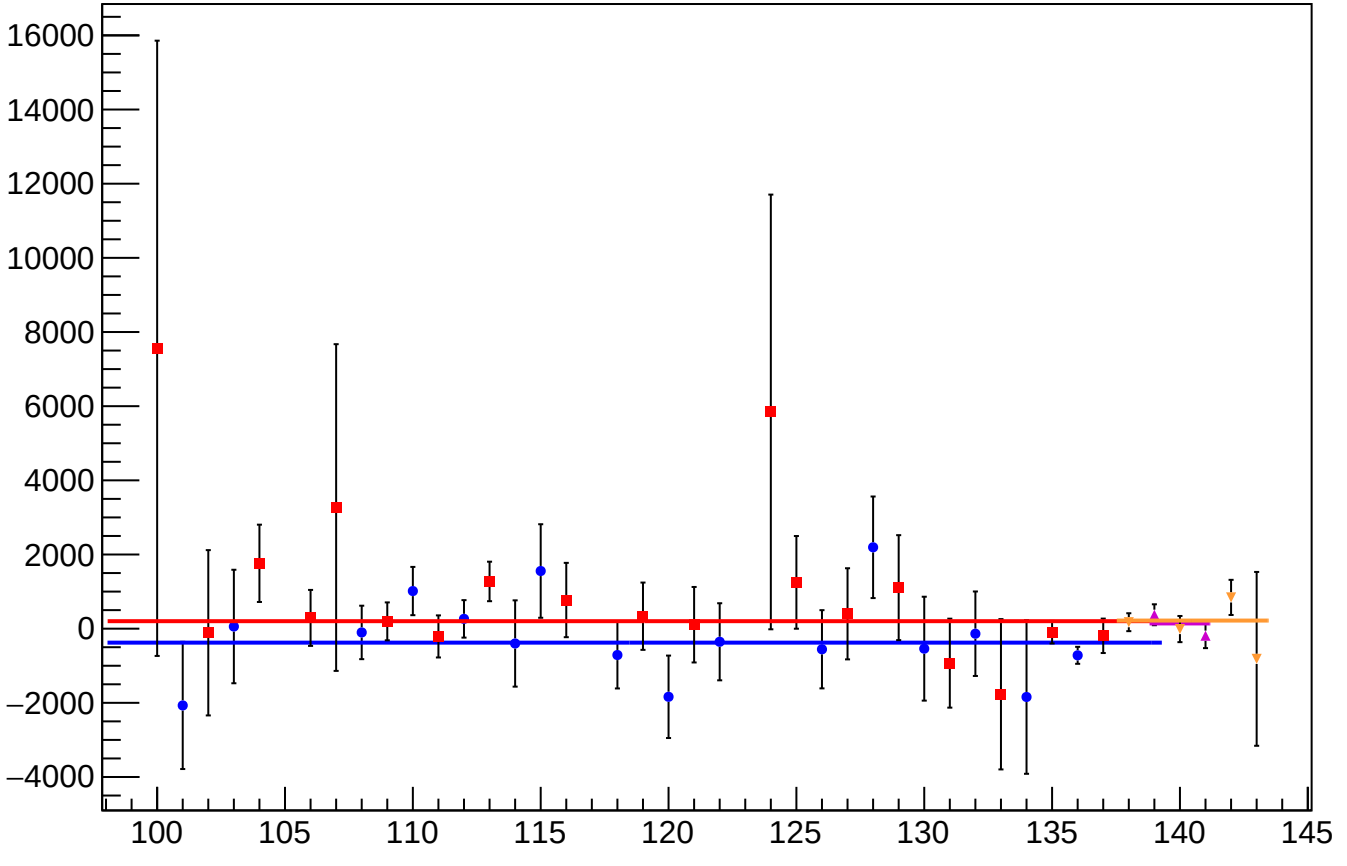
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

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: 218.559+/-183.137 χ^2/NDF:2.4/3

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: 186.160+/-139.668 χ^2/NDF: 4.1/5

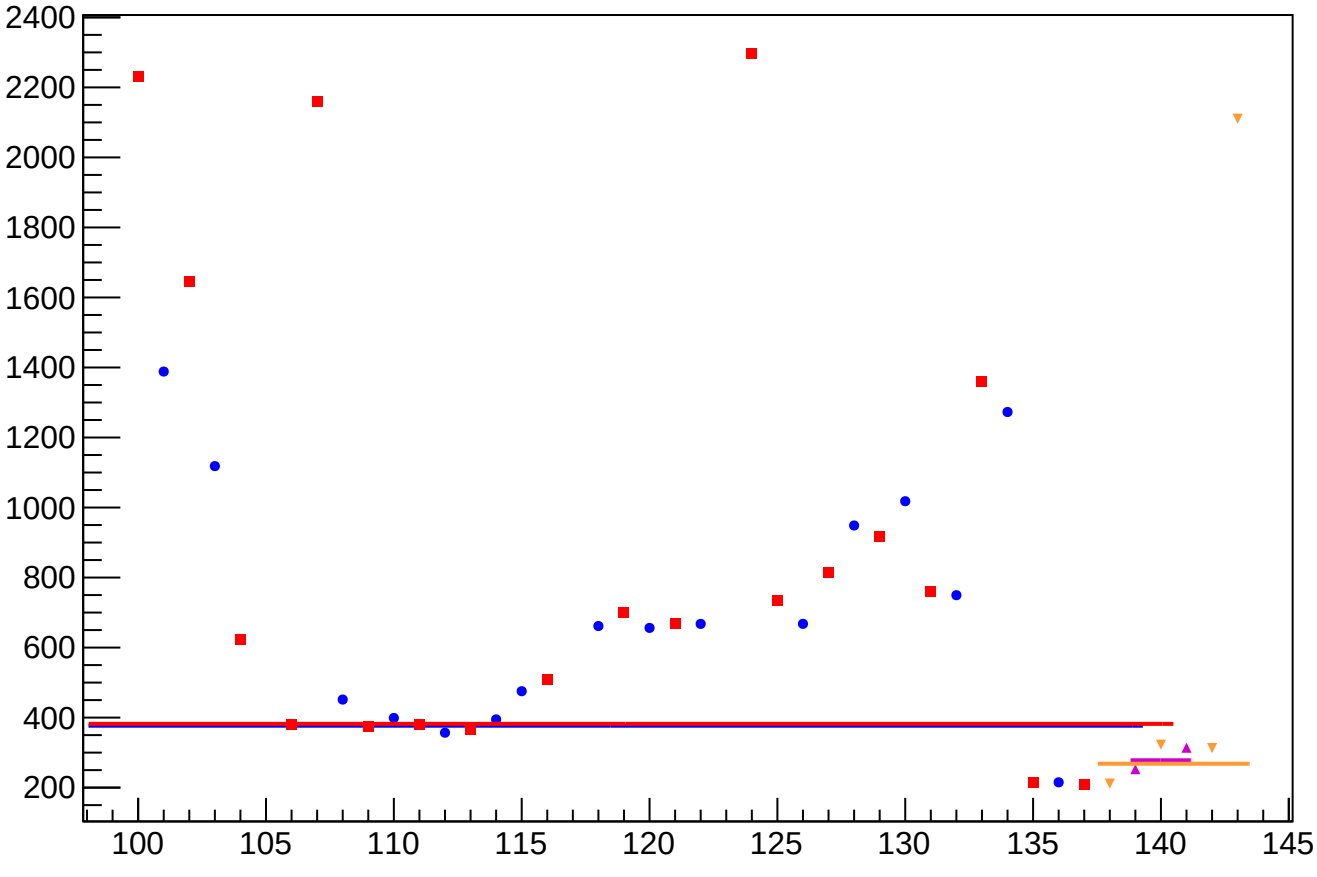
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 26.968+/-90.738 χ^2/NDF: 44.2/40

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

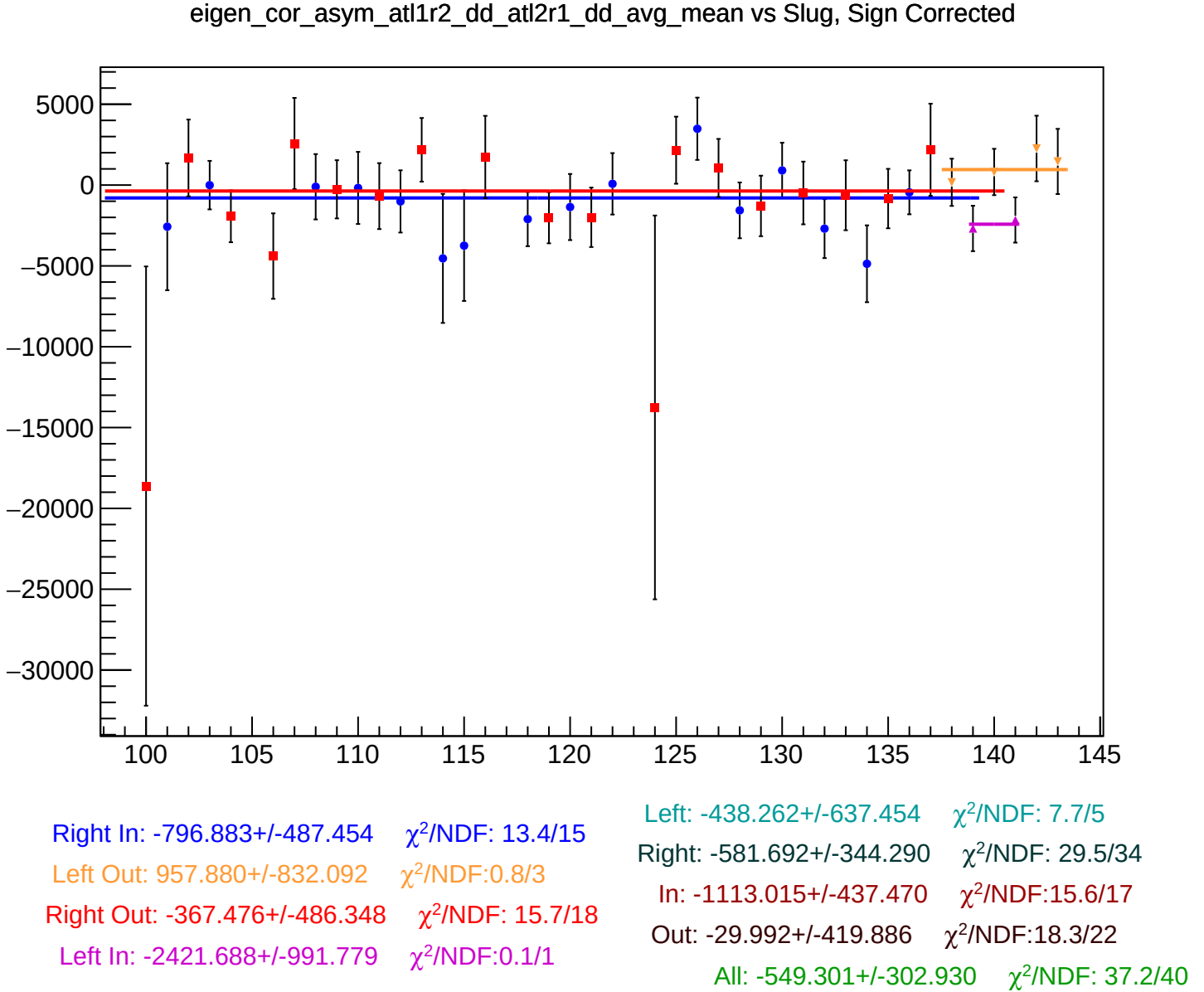
Left: 272.345+/-0.099 χ^2/NDF: 1452644.7/5

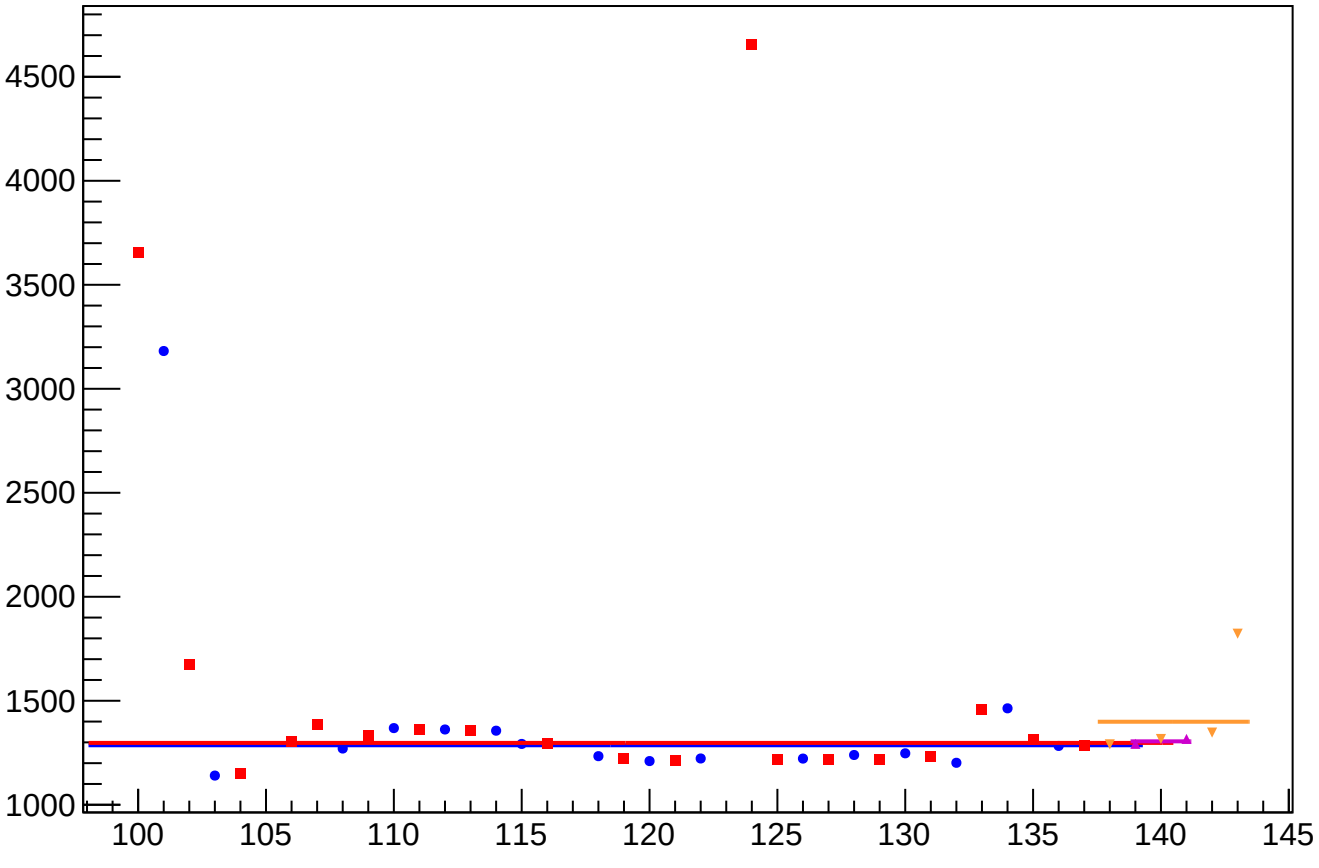
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40


eigen_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
145
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 957.880+/-832.092 χ²/NDF:0.8/3
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -2421.688+/-991.779 χ²/NDF:0.1/1
Left: -438.262+/-637.454 χ²/NDF: 7.7/5
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -1113.015+/-437.470 χ²/NDF:15.6/17
Out: -29.992+/-419.886 χ²/NDF:18.3/22
All: -549.301+/-302.930 χ²/NDF: 37.2/40



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1399.187+/-0.588 χ^2/NDF:107162.3/3

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: 1360.243+/-0.451 χ^2/NDF: 118055.4/5

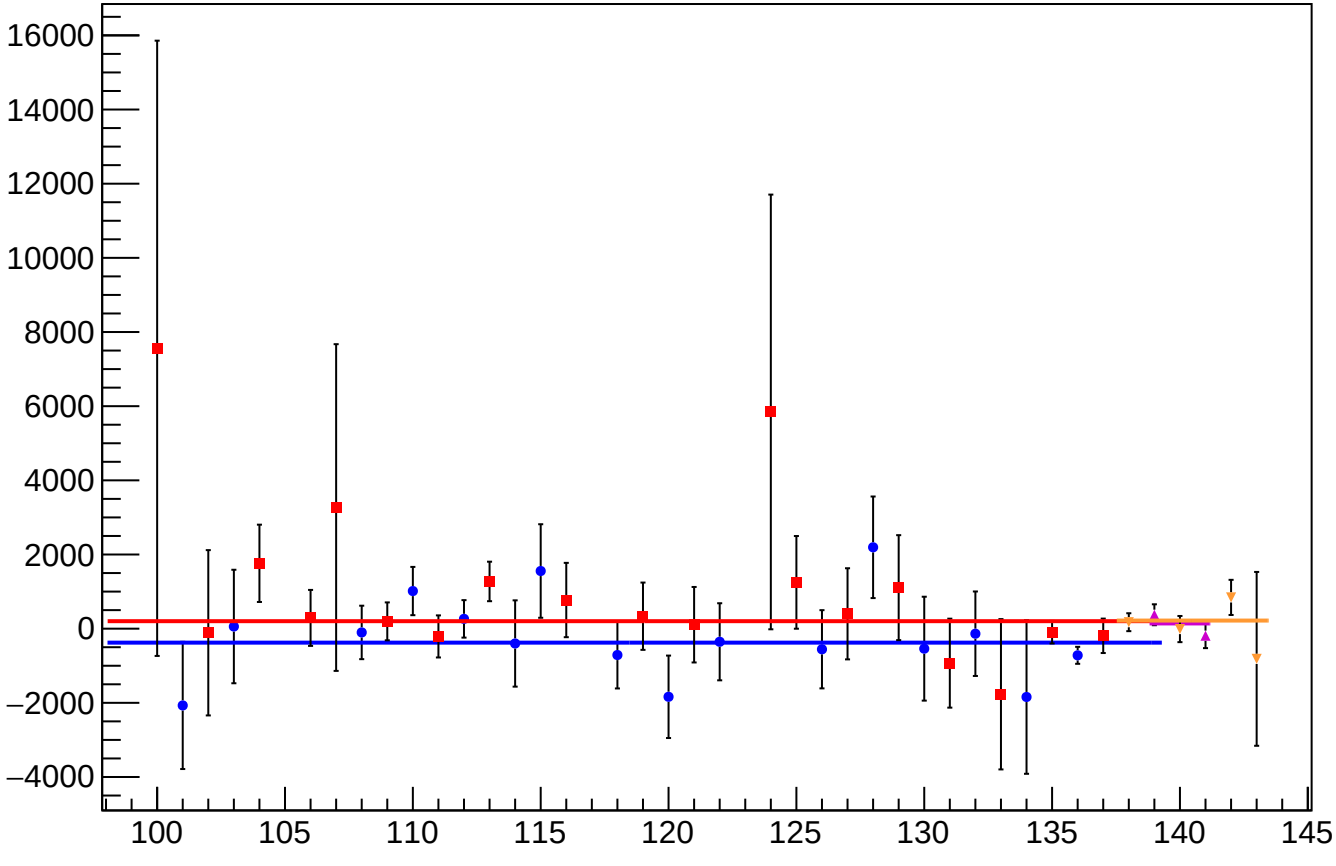
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.759+/-0.309 χ^2/NDF:518996.9/17

Out: 1323.314+/-0.297 χ^2/NDF:457213.5/22

All: 1307.224+/-0.214 χ^2/NDF: 982334.9/40

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: 218.559+/-183.137 χ^2/NDF:2.4/3

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: 186.160+/-139.668 χ^2/NDF: 4.1/5

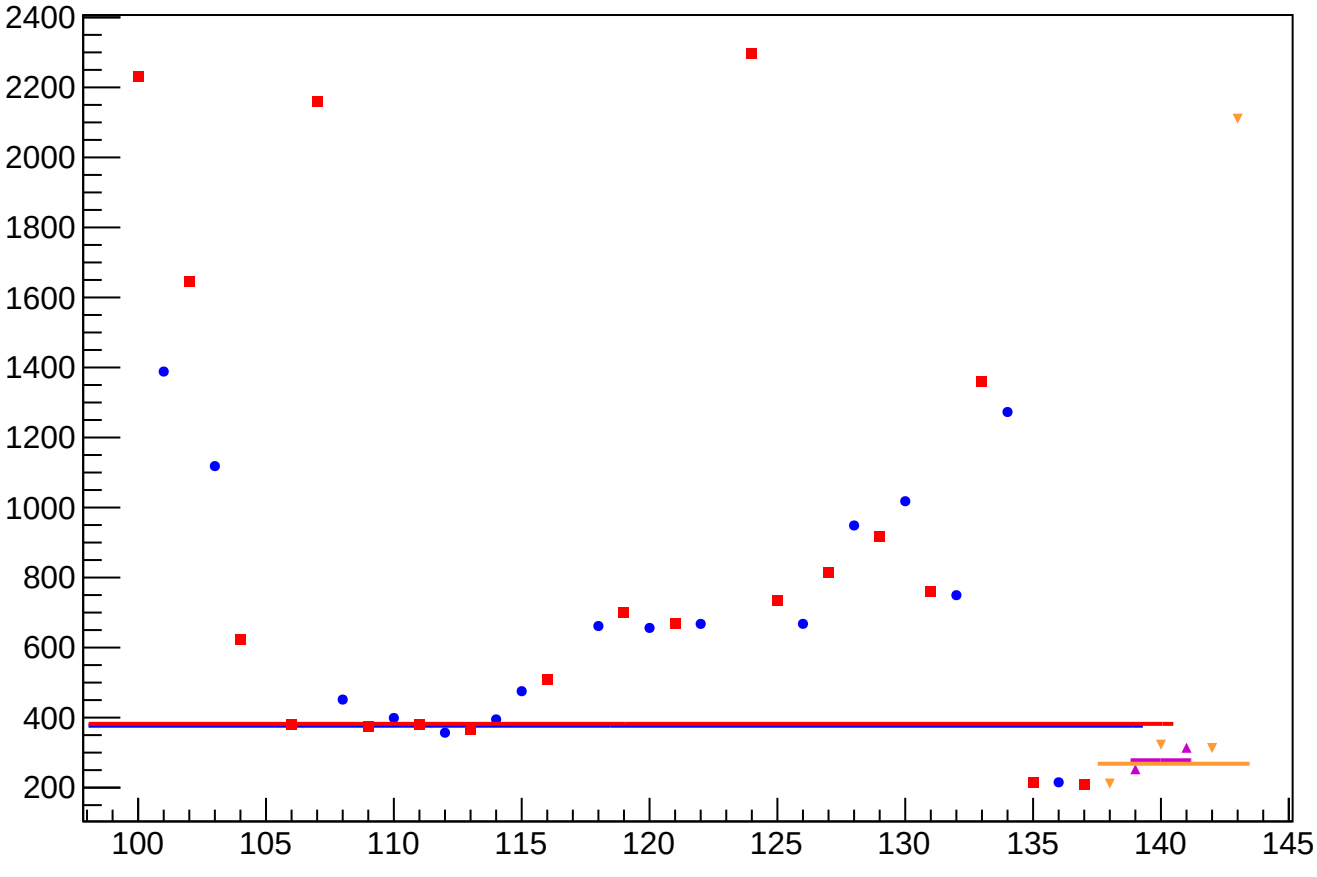
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -181.162+/-132.704 χ^2/NDF:23.2/17

Out: 209.712+/-124.348 χ^2/NDF:16.4/22

All: 26.968+/-90.738 χ^2/NDF: 44.2/40

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: 268.212+/-0.129 χ^2/NDF:1411039.4/3

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.092+/-0.153 χ^2/NDF:39169.8/1

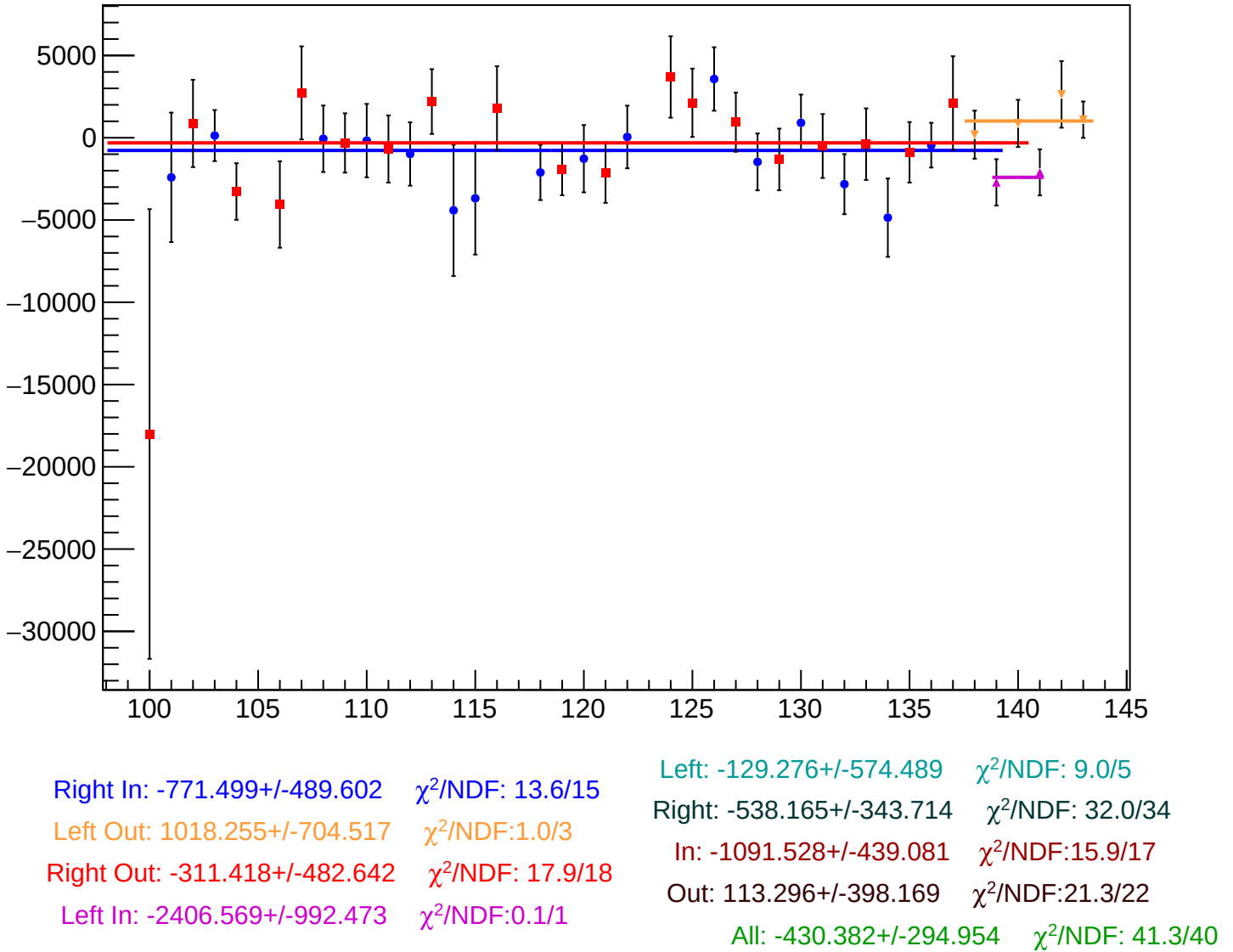
Left: 272.345+/-0.099 χ^2/NDF: 1452644.7/5

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 339.570+/-0.094 χ^2/NDF:4493025.0/17

Out: 329.614+/-0.088 χ^2/NDF:5887776.7/22

All: 334.269+/-0.064 χ^2/NDF: 10386795.8/40


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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−20000
−25000
−30000
100
105
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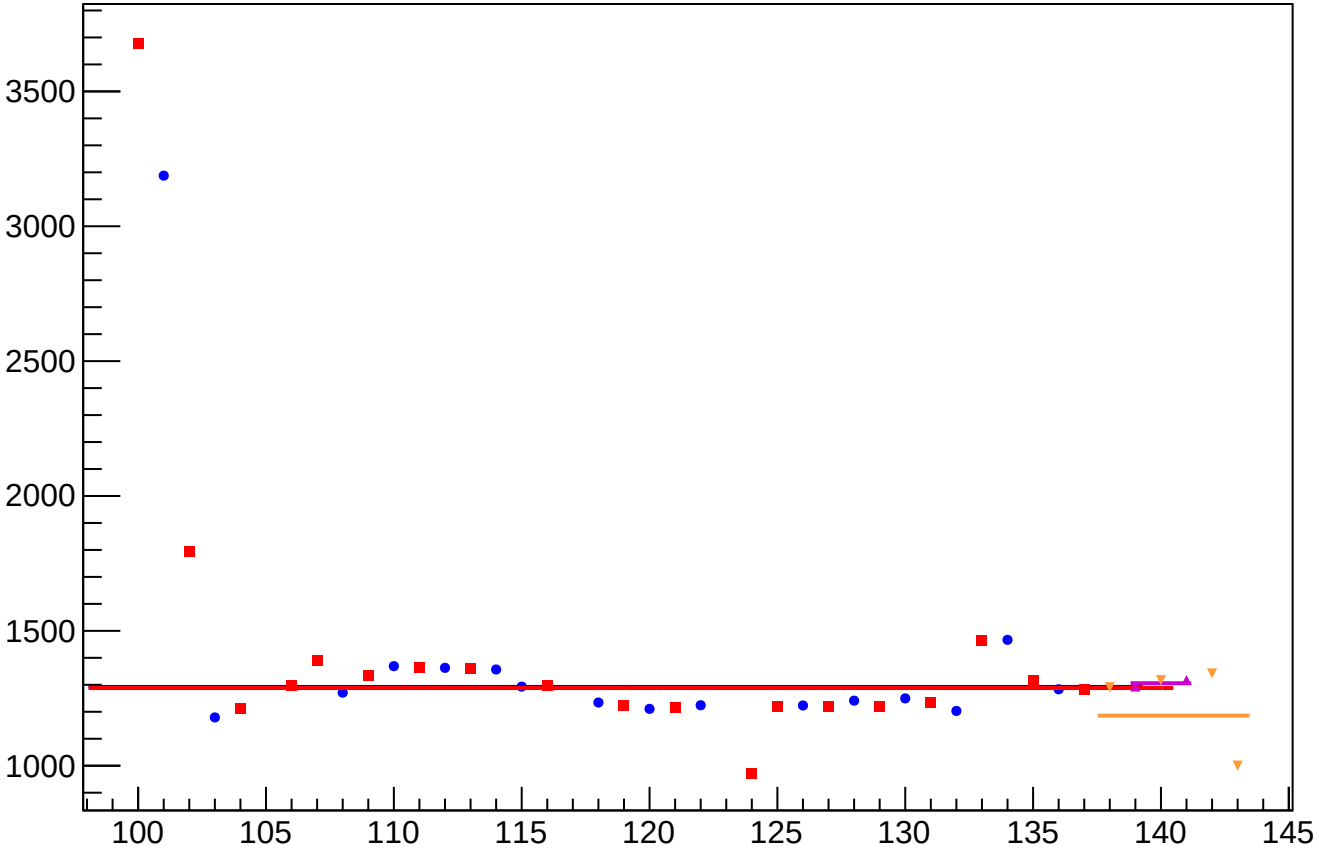
135
140
145
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.255+/-704.517 χ²/NDF:1.0/3
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -2406.569+/-992.473 χ²/NDF:0.1/1
Left: -129.276+/-574.489 χ²/NDF: 9.0/5
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -1091.528+/-439.081 χ²/NDF:15.9/17
Out: 113.296+/-398.169 χ²/NDF:21.3/22
All: -430.382+/-294.954 χ²/NDF: 41.3/40

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95235.2/3

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: 1226.017+/-0.406 χ^2/NDF: 114975.3/5

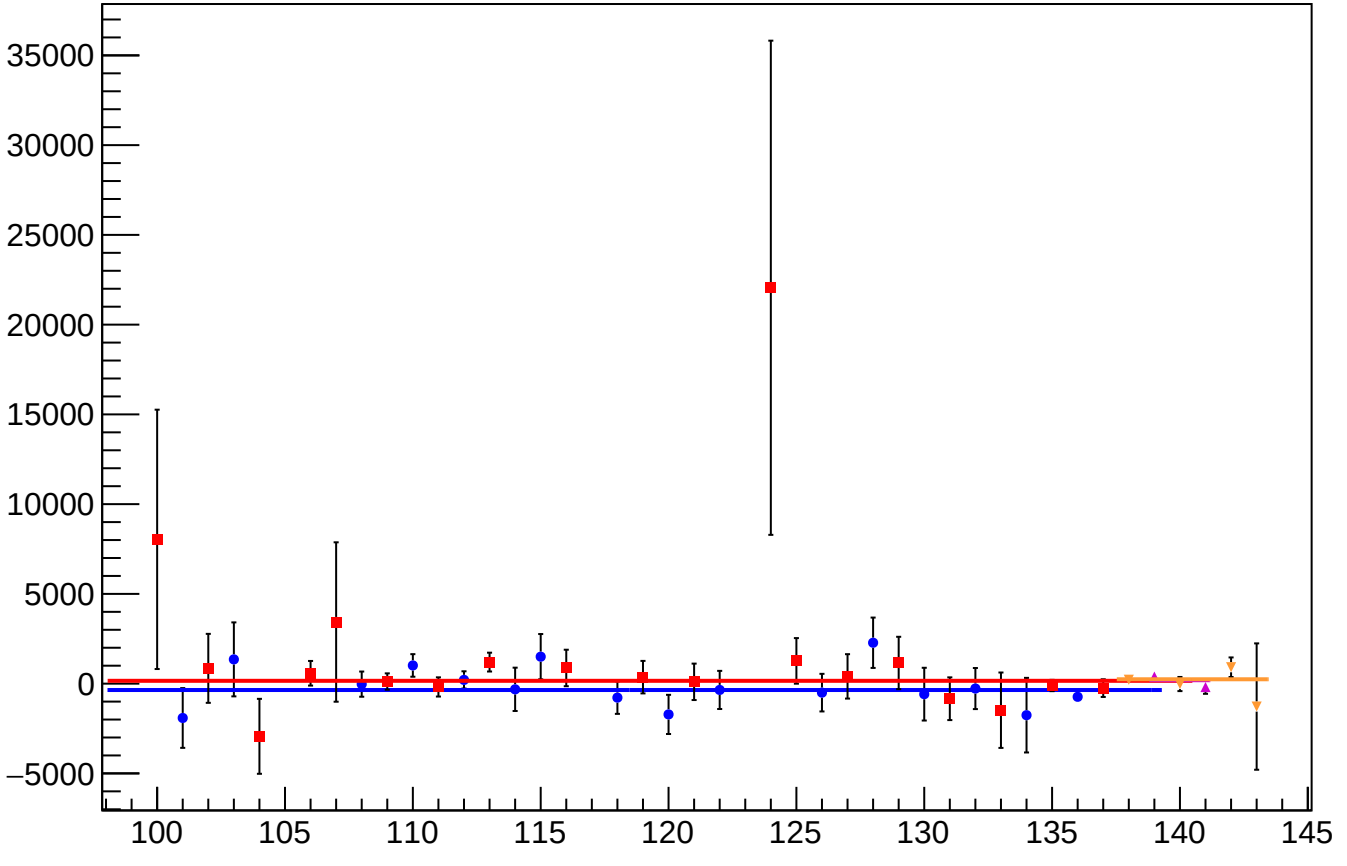
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1255.350+/-0.282 χ^2/NDF:333078.0/22

All: 1273.122+/-0.209 χ^2/NDF: 851919.6/40

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: 243.344+/-193.368 χ^2/NDF:2.2/3

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: 221.001+/-146.193 χ^2/NDF: 3.7/5

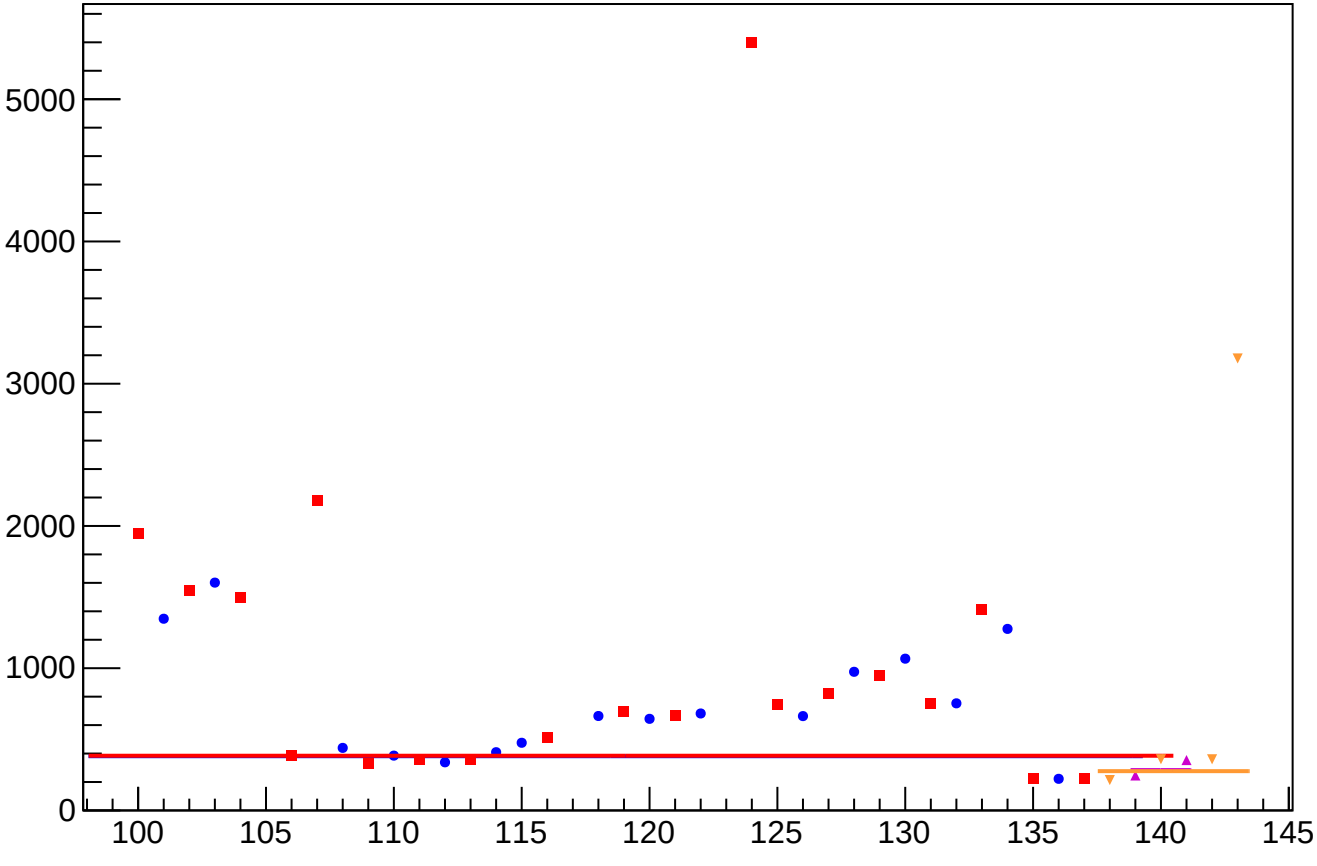
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -154.842+/-135.260 χ^2/NDF:23.8/17

Out: 195.080+/-127.532 χ^2/NDF:18.1/22

All: 30.400+/-92.791 χ^2/NDF: 45.4/40

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: 276.288+/-0.137 χ^2/NDF:1628852.6/3

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 283.807+/-0.158 χ^2/NDF:107020.9/1

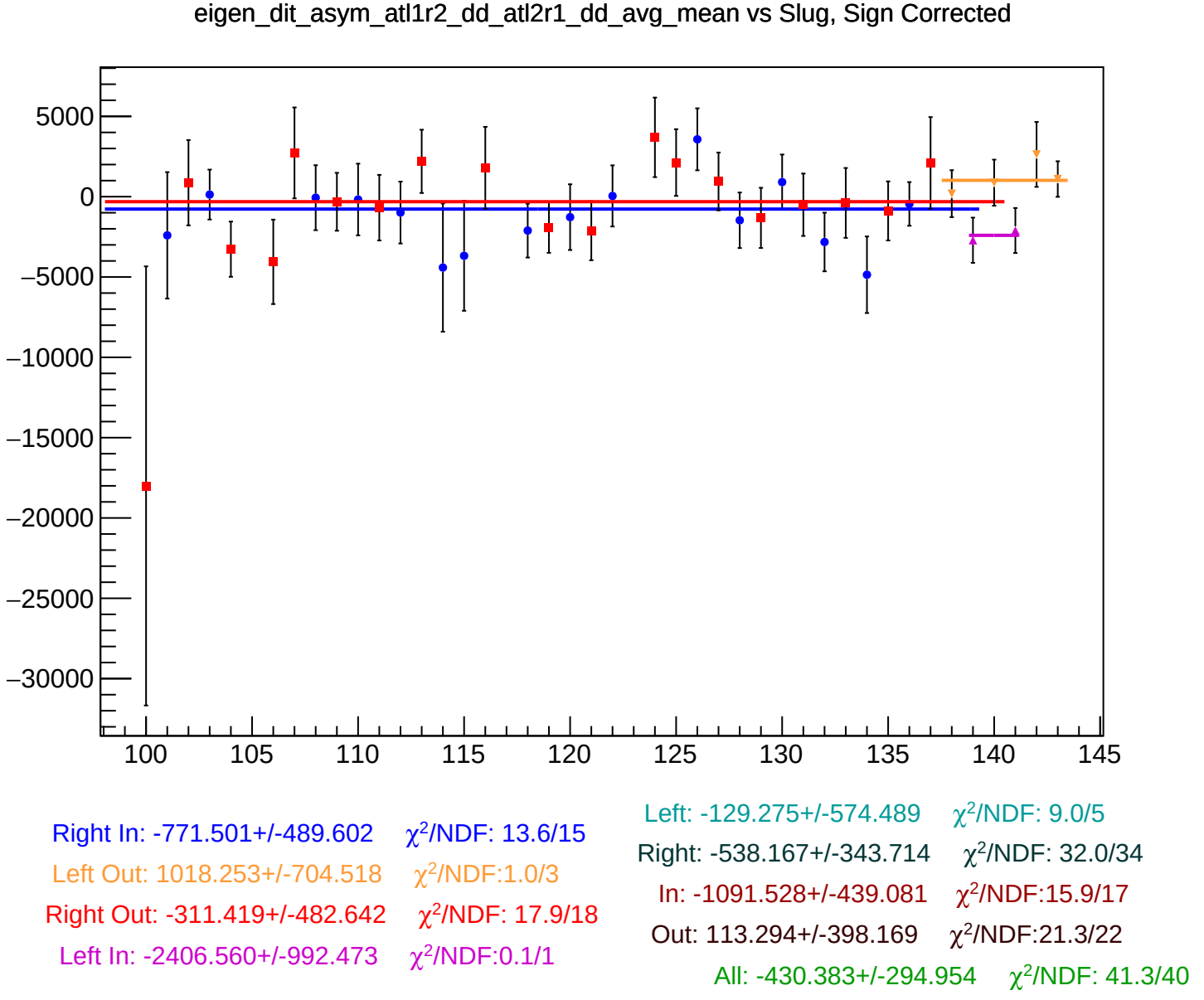
Left: 279.509+/-0.103 χ^2/NDF: 1737169.0/5

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 345.578+/-0.096 χ^2/NDF:4666493.7/17

Out: 337.514+/-0.090 χ^2/NDF:6543941.8/22

All: 341.309+/-0.066 χ^2/NDF: 11214198.3/40


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
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−25000
−30000
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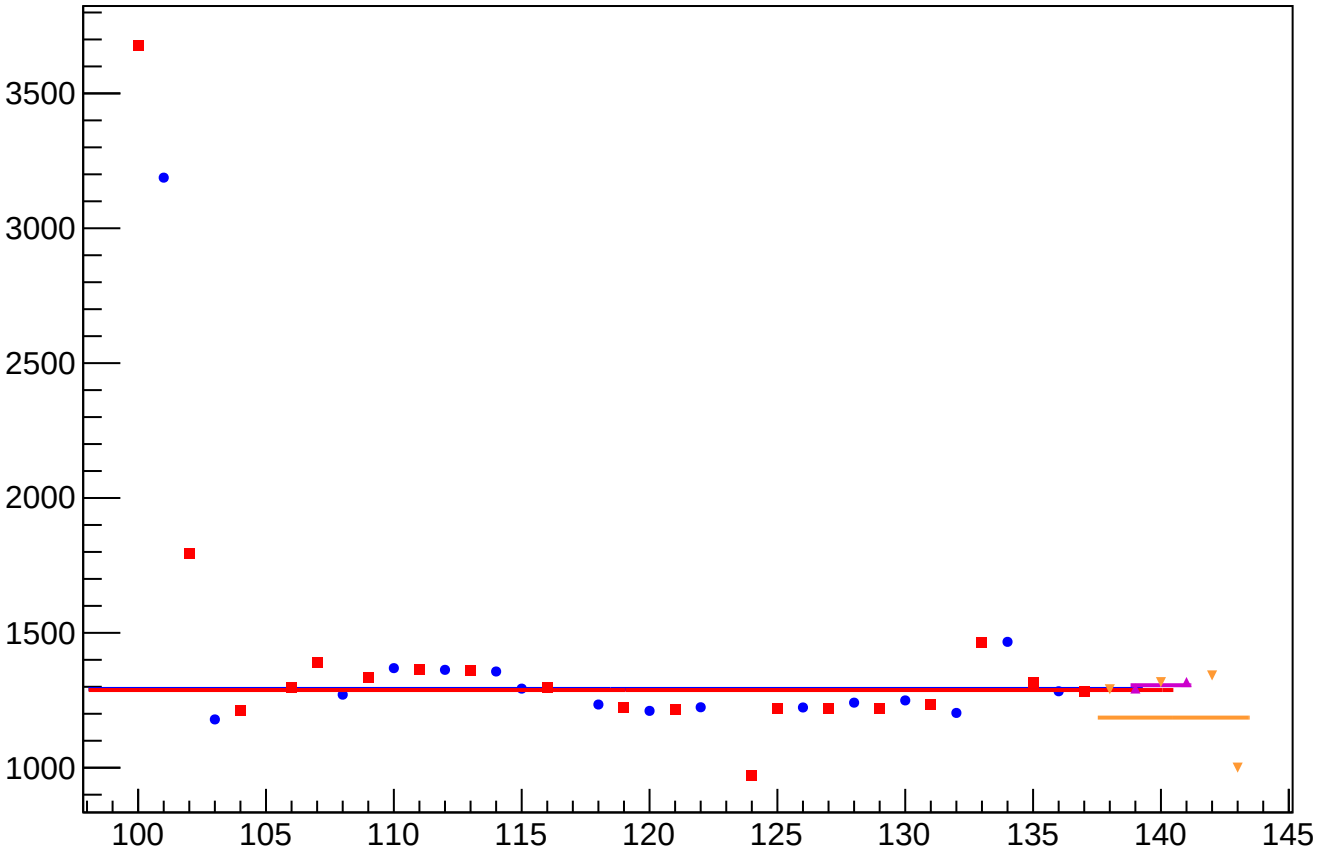
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 1018.253+/-704.518 χ²/NDF:1.0/3
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -2406.560+/-992.473 χ²/NDF:0.1/1
Left: -129.275+/-574.489 χ²/NDF: 9.0/5
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -1091.528+/-439.081 χ²/NDF:15.9/17
Out: 113.294+/-398.169 χ²/NDF:21.3/22
All: -430.383+/-294.954 χ²/NDF: 41.3/40



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1185.806+/-0.498 χ^2/NDF:95234.6/3

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: 1226.017+/-0.406 χ^2/NDF: 114974.6/5

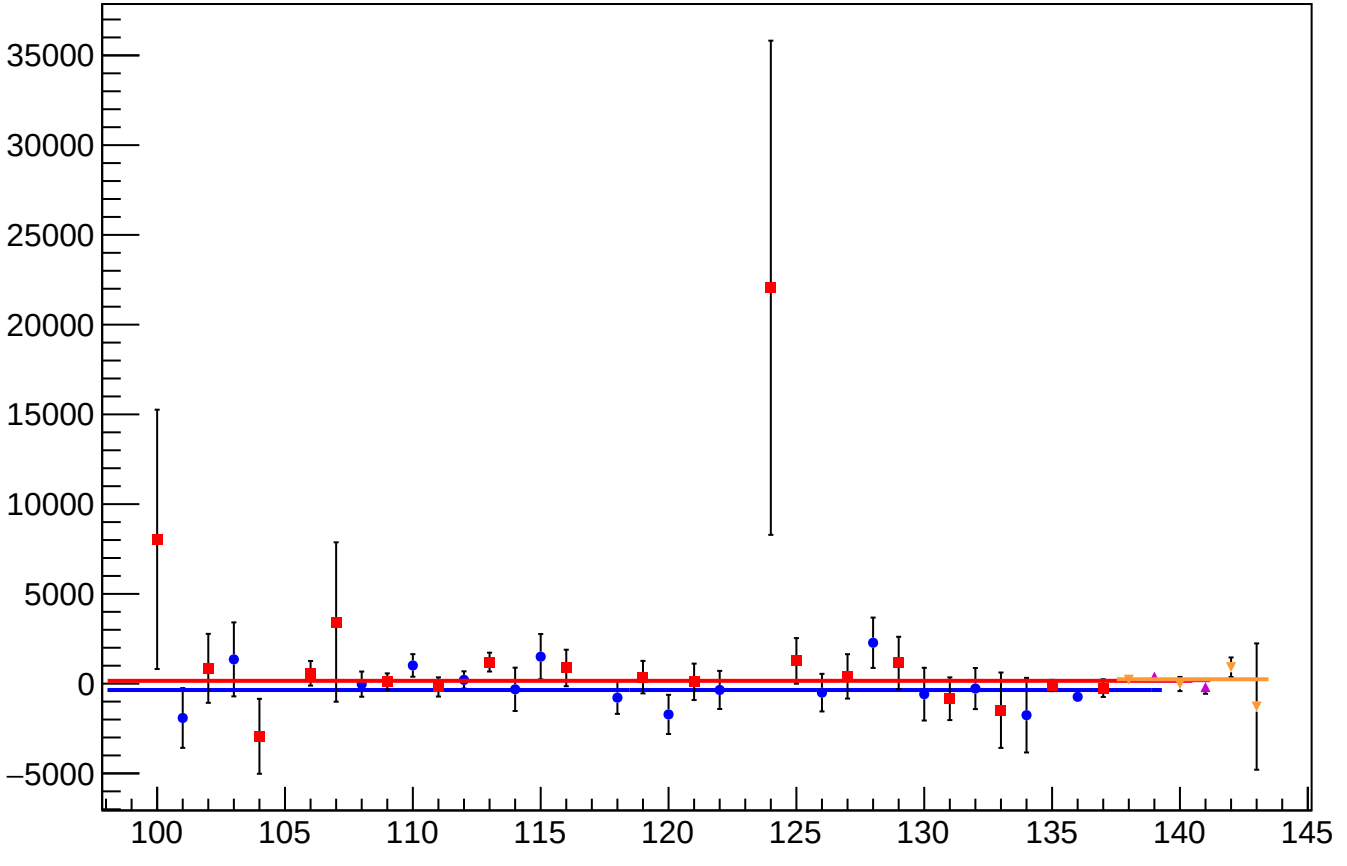
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1294.735+/-0.310 χ^2/NDF:510011.5/17

Out: 1255.350+/-0.282 χ^2/NDF:333077.4/22

All: 1273.122+/-0.209 χ^2/NDF: 851918.9/40

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: 243.355+/-193.376 χ^2/NDF:2.2/3

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: 221.009+/-146.200 χ^2/NDF: 3.7/5

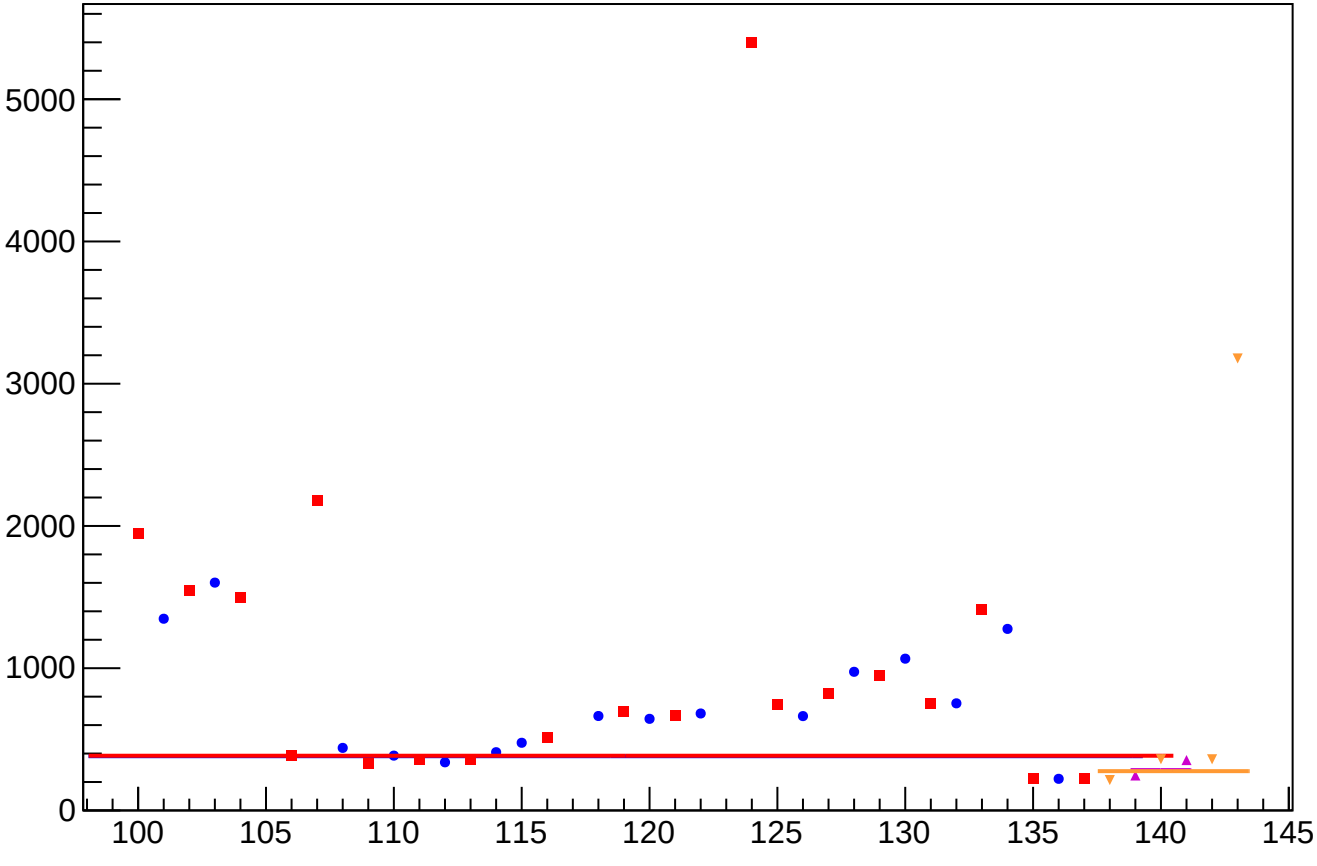
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -154.847+/-135.264 χ^2/NDF:23.8/17

Out: 195.087+/-127.536 χ^2/NDF:18.1/22

All: 30.401+/-92.793 χ^2/NDF: 45.4/40

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: 276.302+/-0.137 χ^2/NDF:1628791.9/3

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: 279.523+/-0.103 χ^2/NDF: 1737078.9/5

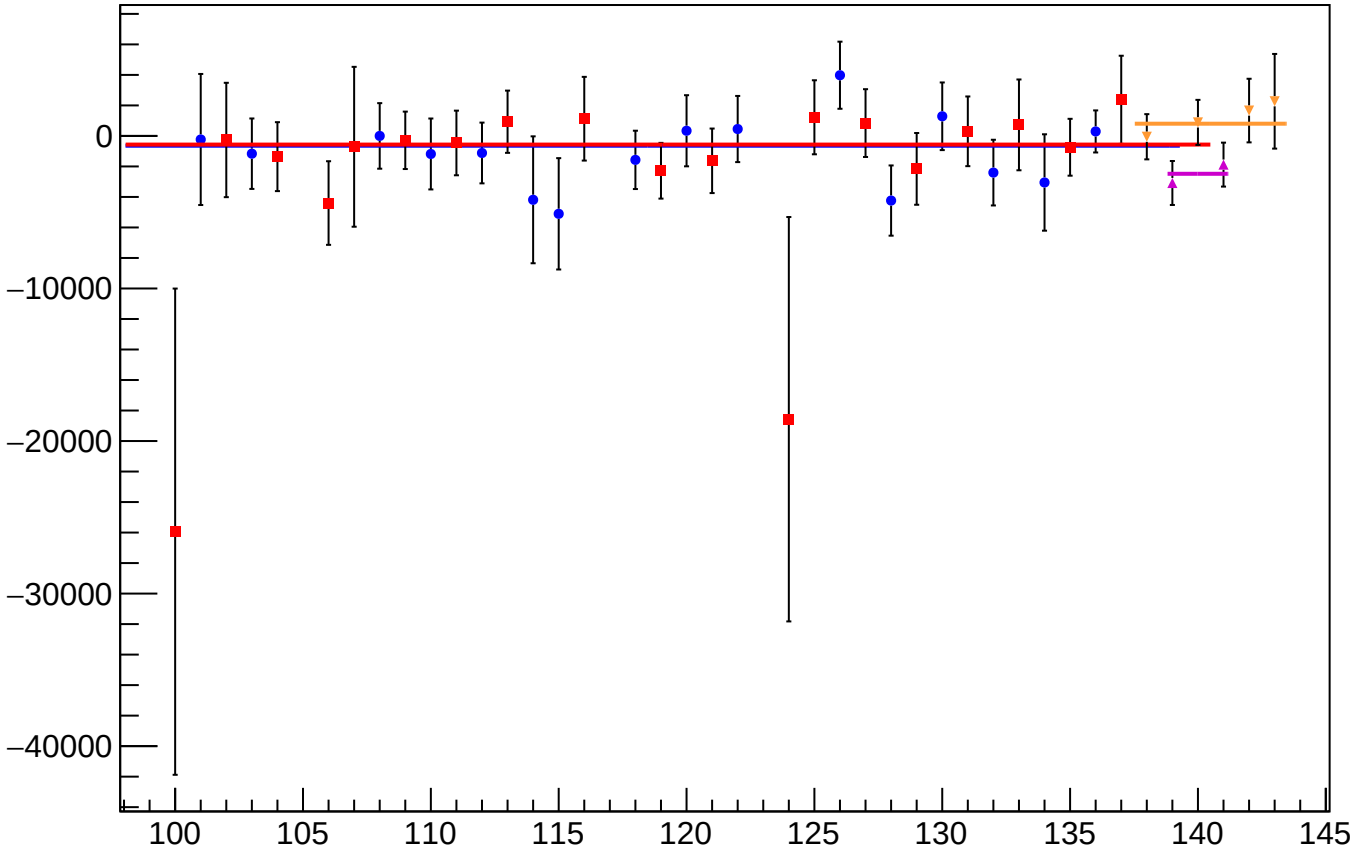
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 345.591+/-0.096 χ^2/NDF:4666244.0/17

Out: 337.527+/-0.090 χ^2/NDF:6543678.6/22

All: 341.322+/-0.066 χ^2/NDF: 11213685.6/40

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 801.685+/-895.374 χ^2/NDF:0.7/3

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -2481.984+/-1018.961 χ^2/NDF:0.3/1

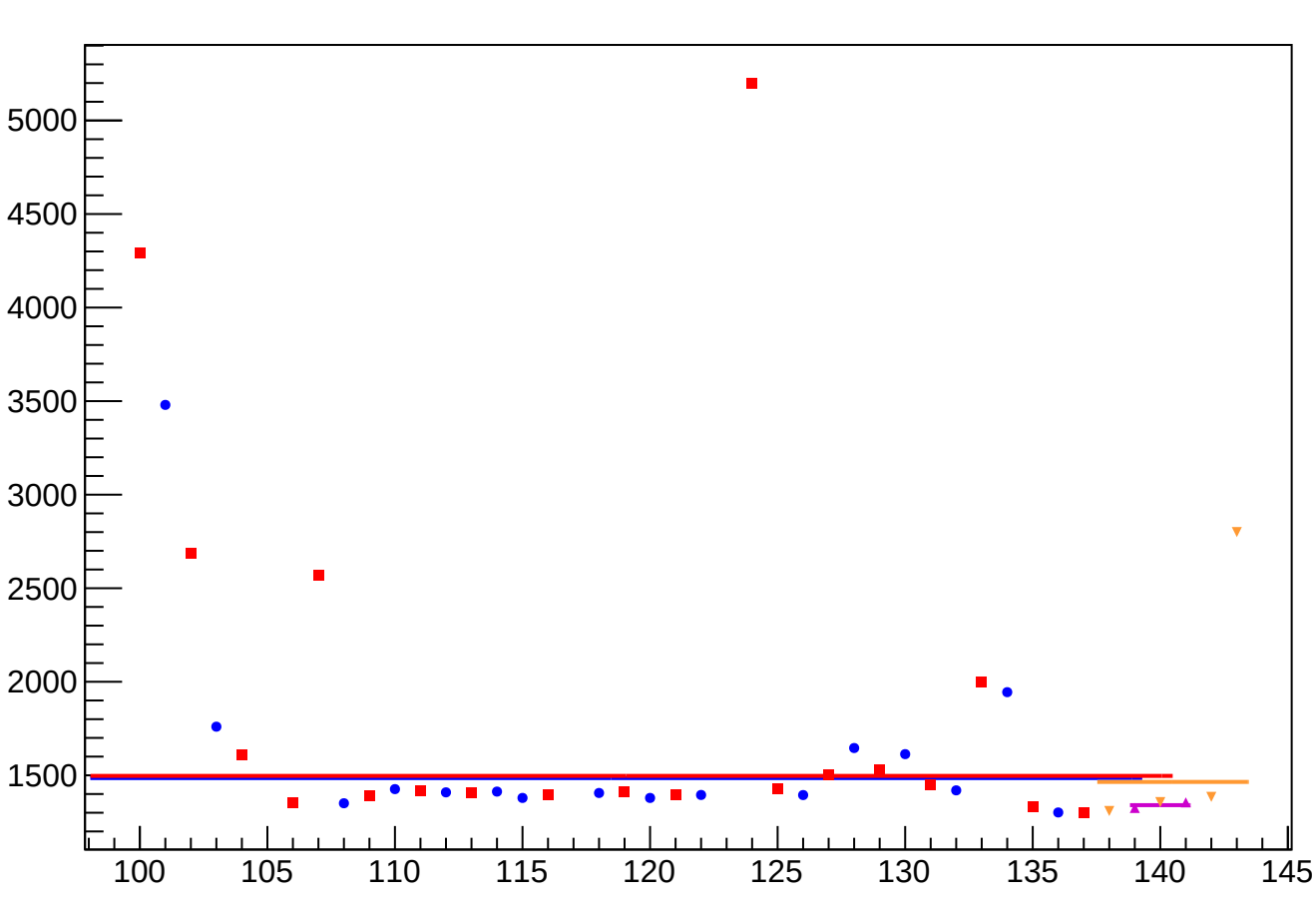
Left: -629.040+/-672.598 χ^2/NDF: 6.9/5

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -1073.040+/-493.699 χ^2/NDF:15.3/17

Out: -175.645+/-478.893 χ^2/NDF:13.7/22

All: -610.685+/-343.744 χ^2/NDF: 30.7/40



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1464.721+/-0.633 χ^2/NDF:405999.0/3

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1340.532+/-0.721 χ^2/NDF:427.7/1

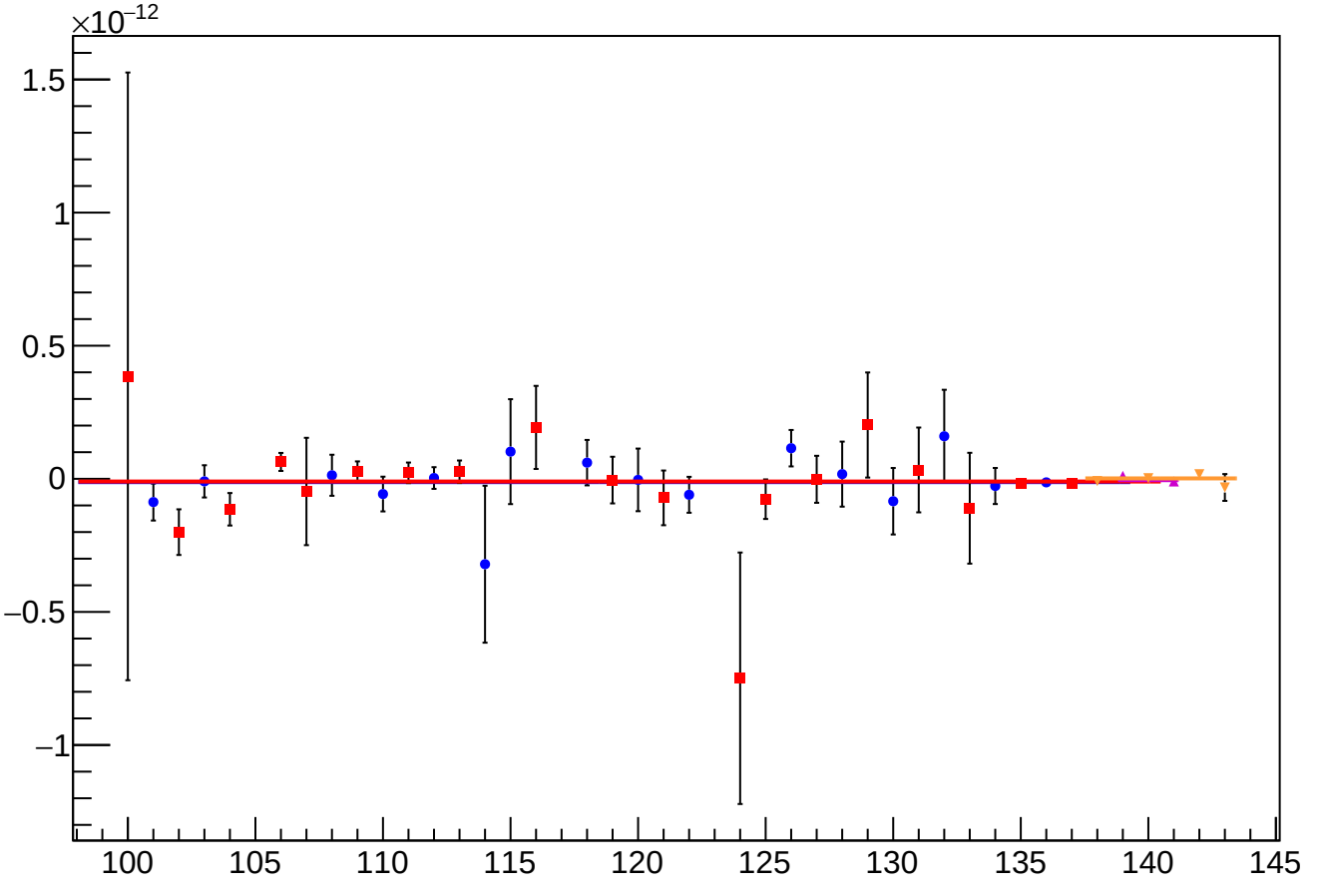
Left: 1410.611+/-0.476 χ^2/NDF: 423190.9/5

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1451.369+/-0.349 χ^2/NDF:615820.8/17

Out: 1487.670+/-0.339 χ^2/NDF:1031132.0/22

All: 1470.072+/-0.243 χ^2/NDF: 1652523.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/3

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: 7.6/5

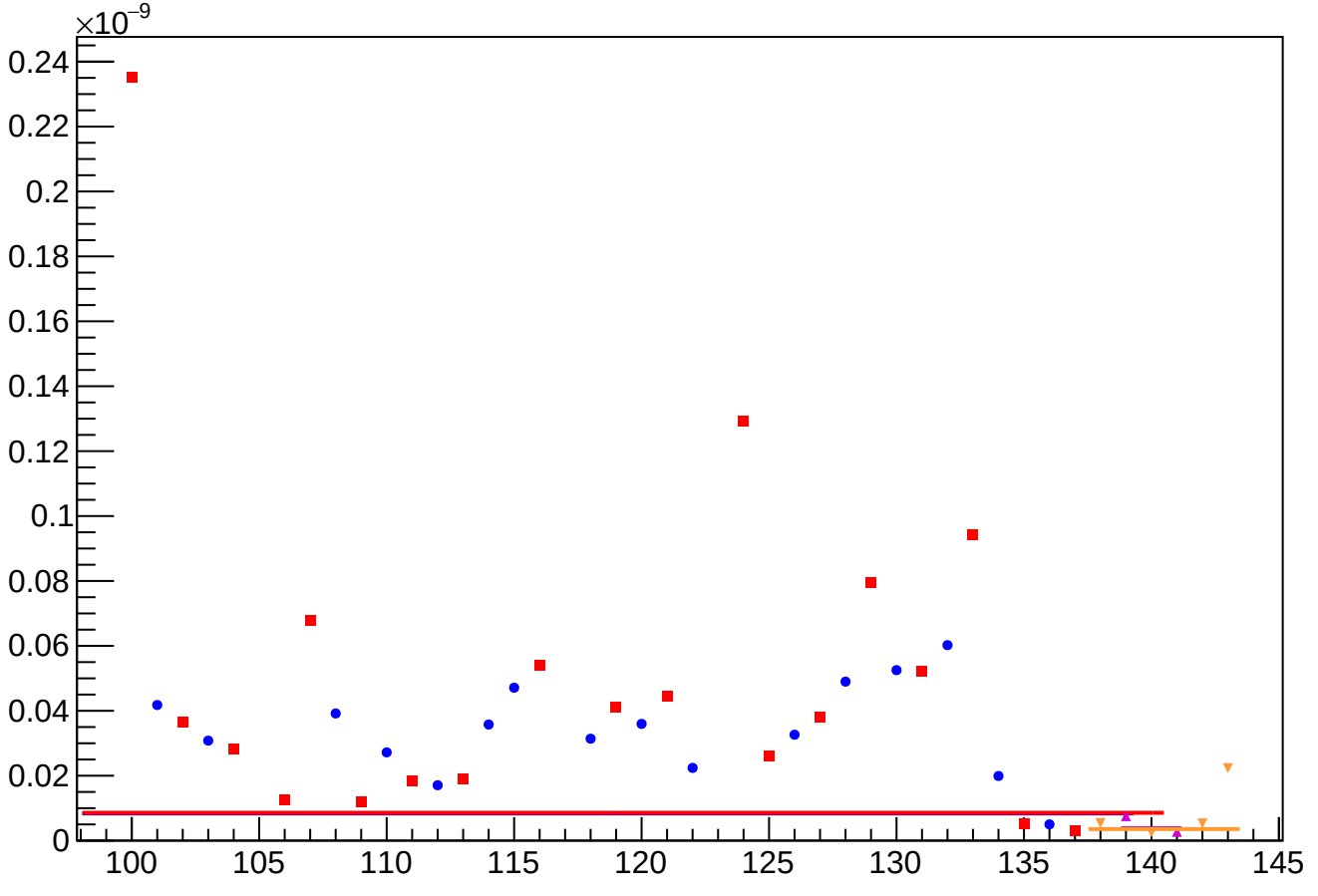
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:13.0/17

Out: -0.000+/-0.000 χ^2/NDF:27.7/22

All: -0.000+/-0.000 χ^2/NDF: 42.2/40

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:510118.6/3

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: 828250.7/5

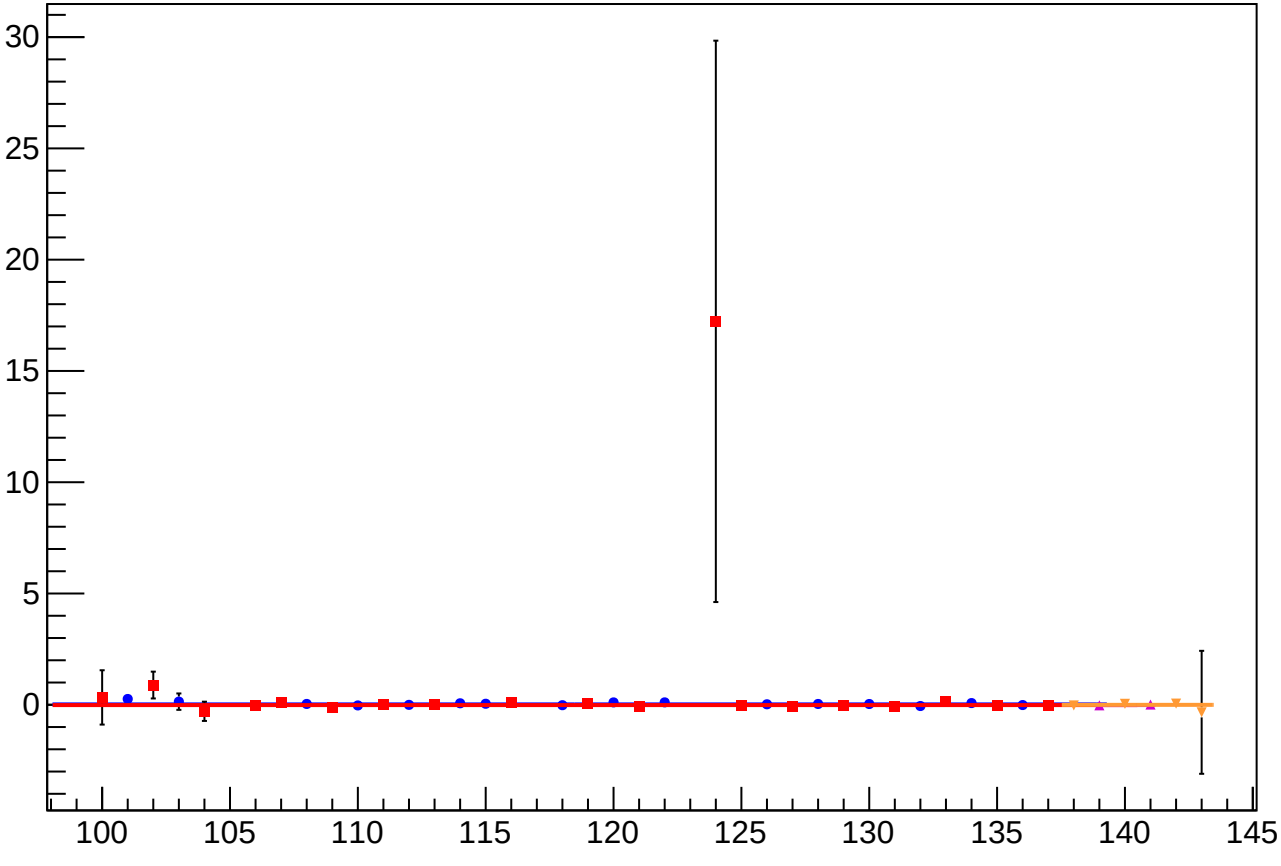
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3882672.1/17

Out: 0.000+/-0.000 χ^2/NDF:4485555.7/22

All: 0.000+/-0.000 χ^2/NDF: 8404518.4/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.013+/-0.024 χ^2/NDF:0.5/1

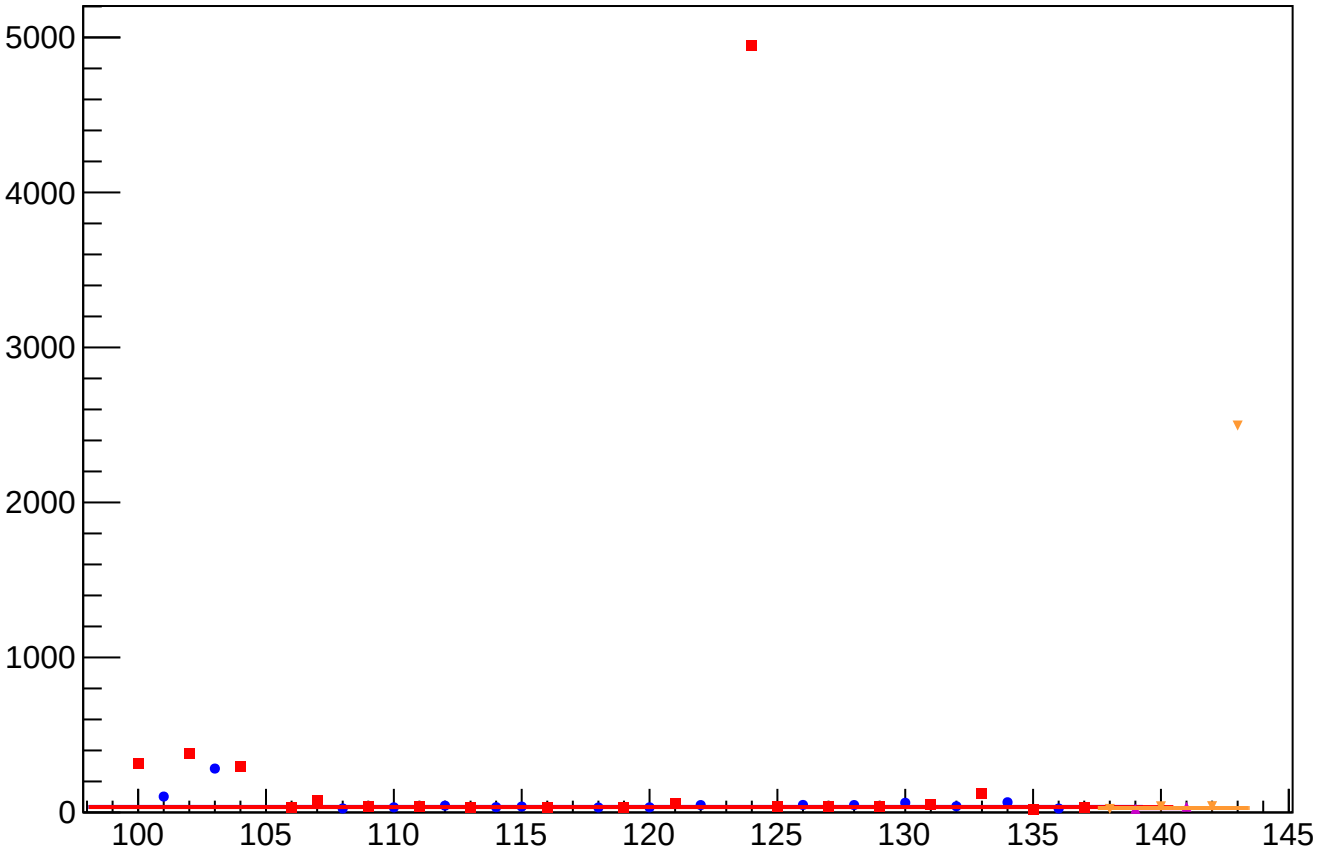
Left: -0.008+/-0.016 χ^2/NDF: 3.2/5

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 28.723+/-0.016 χ^2/NDF:1867797.3/3

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: 28.315+/-0.012 χ^2/NDF: 2006827.1/5

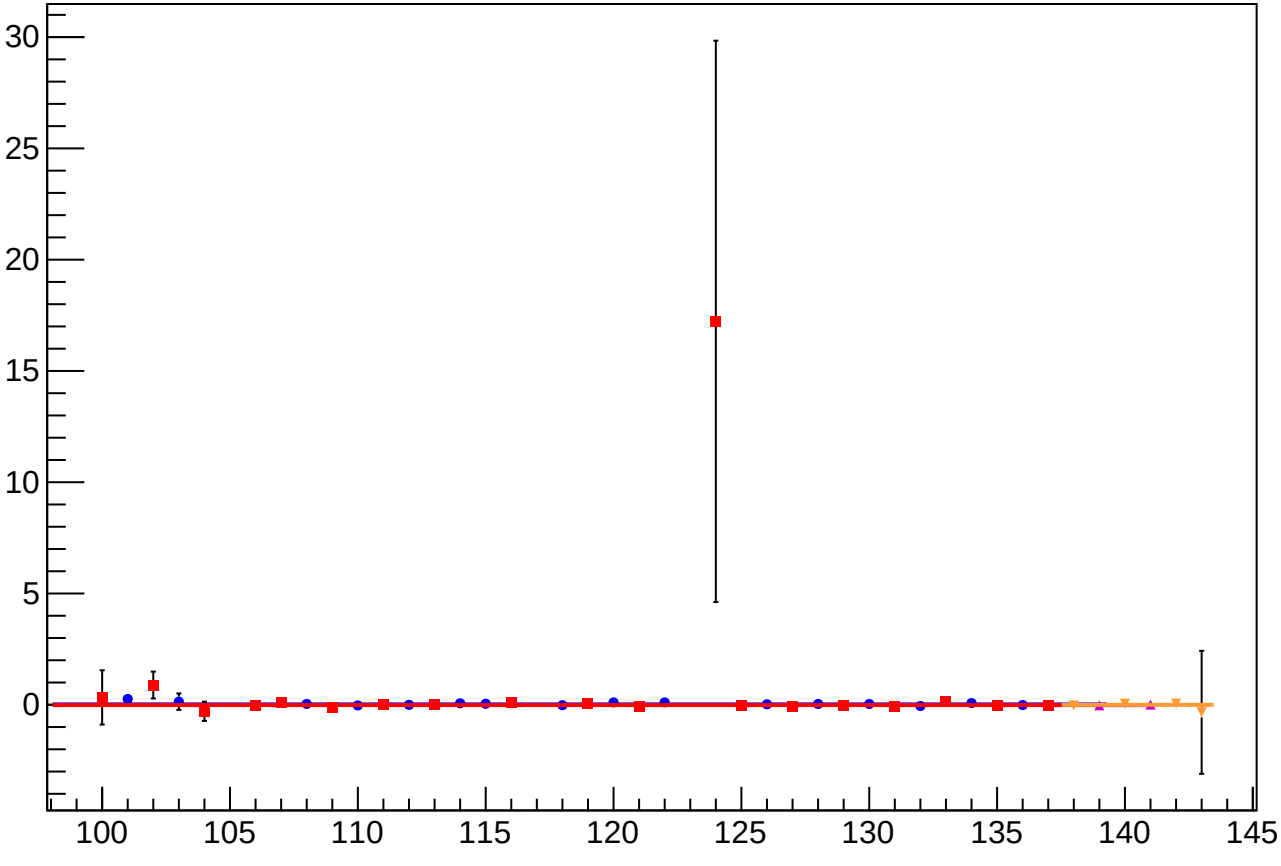
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

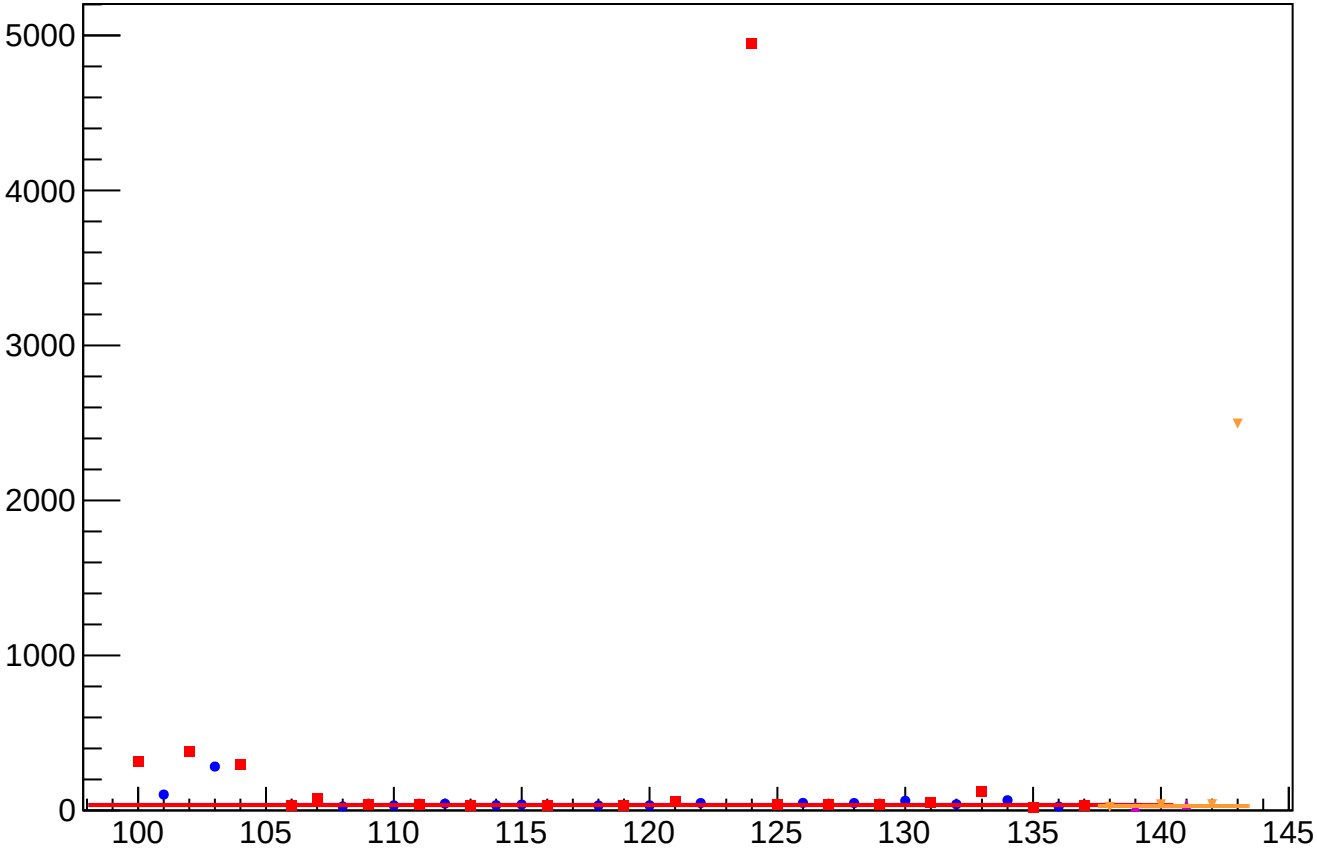
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867797.3/3

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 27.832+/-0.017 χ^2/NDF:137553.8/1

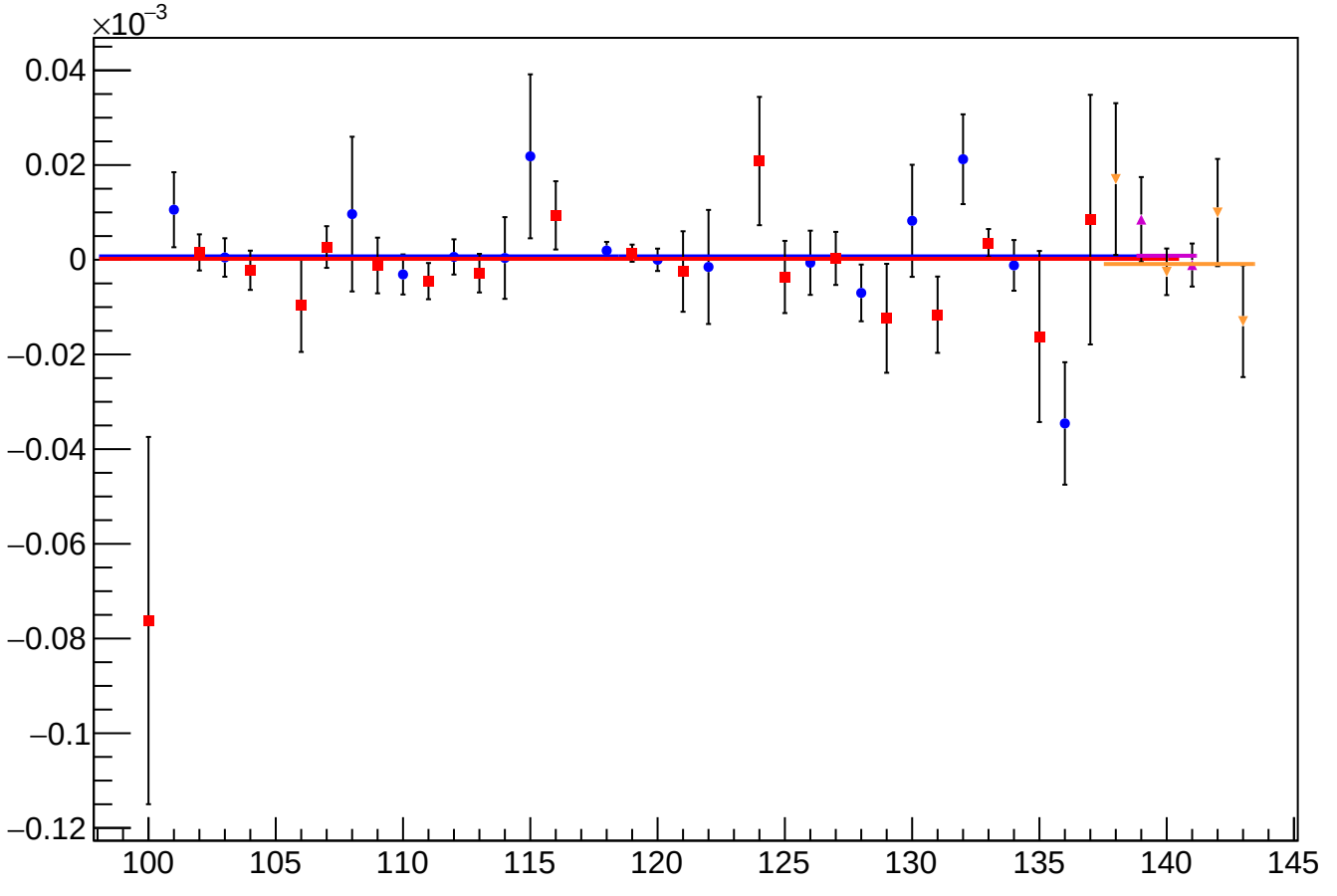
Left: 28.315+/-0.012 χ^2/NDF: 2006827.1/5

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.449+/-0.009 χ^2/NDF:2554400.1/17

Out: 32.786+/-0.009 χ^2/NDF:4882015.2/22

All: 33.111+/-0.006 χ^2/NDF: 7439051.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

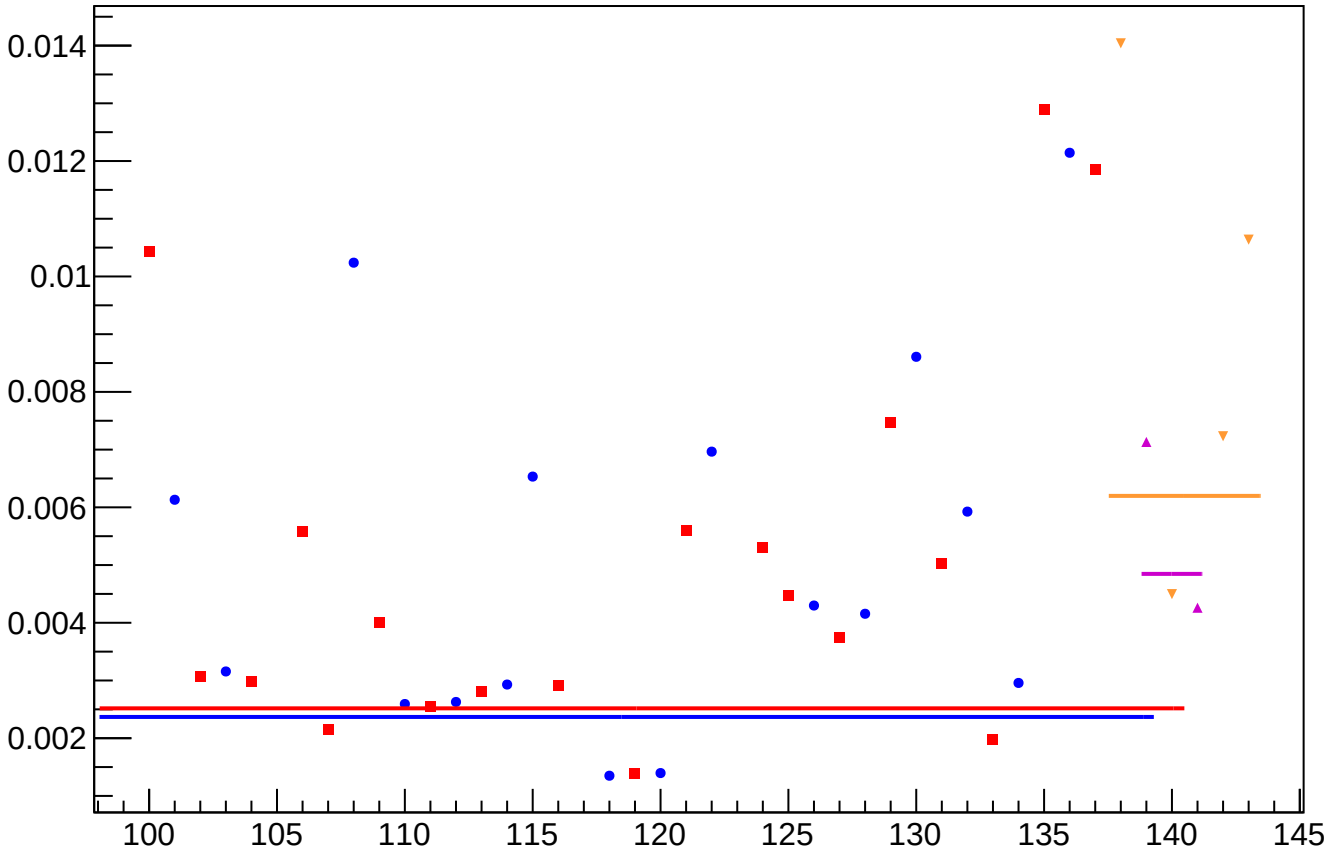
Left: -0.000+/-0.000 χ^2/NDF: 4.3/5

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:21.5/22

All: 0.000+/-0.000 χ^2/NDF: 41.6/40



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1017359.5/3

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: 0.006+/-0.000 χ^2/NDF: 1291056.3/5

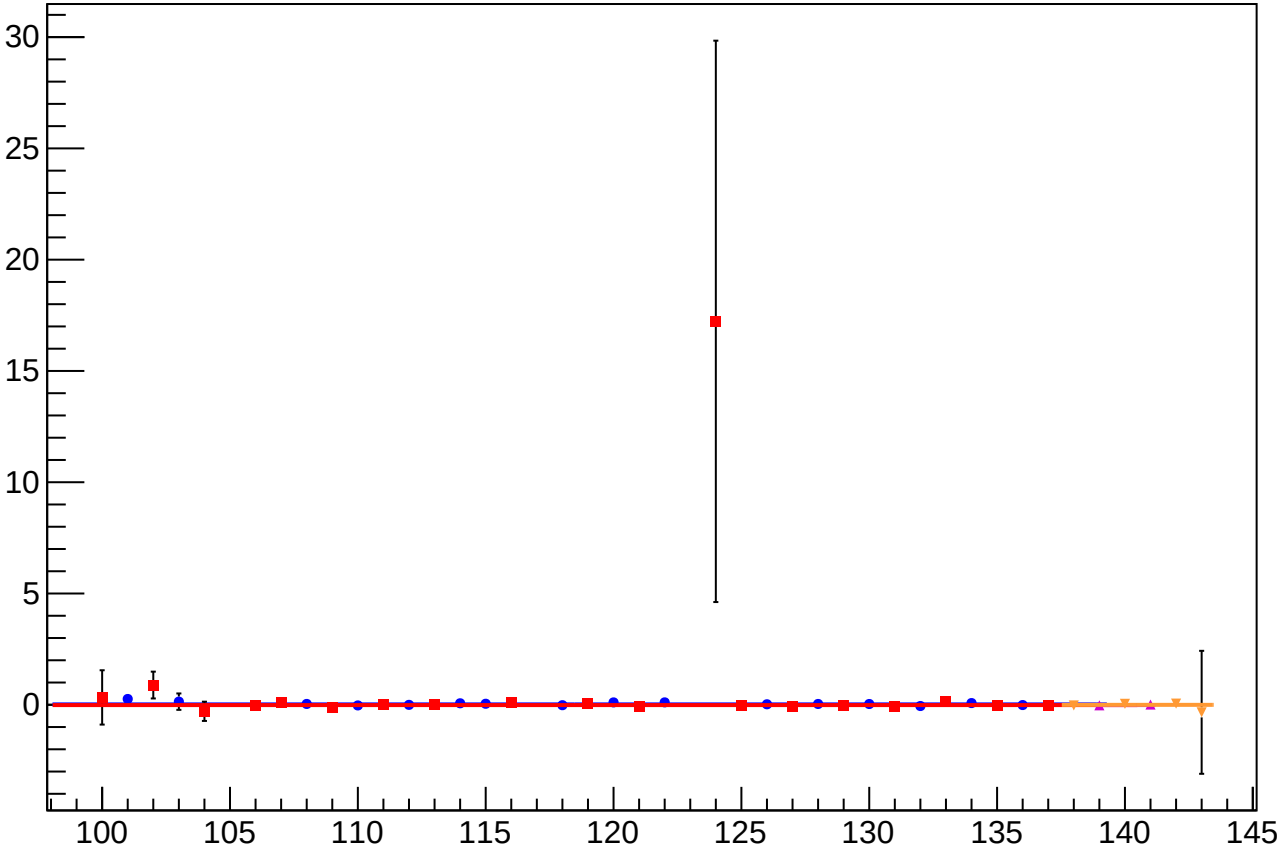
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:5580762.7/17

Out: 0.003+/-0.000 χ^2/NDF:5942351.8/22

All: 0.003+/-0.000 χ^2/NDF: 11564096.1/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

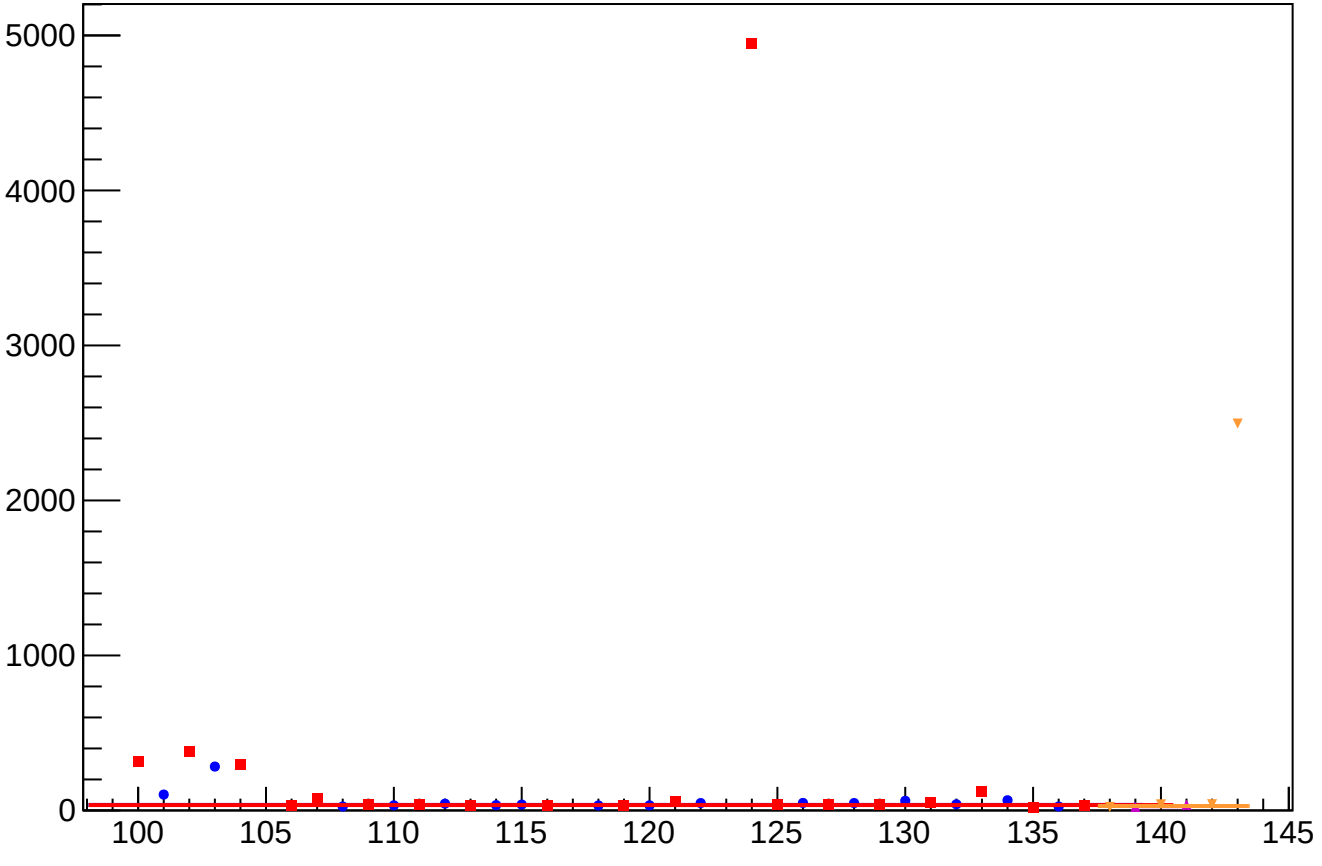
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

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: 28.313+/-0.012 χ^2/NDF: 2007177.0/5

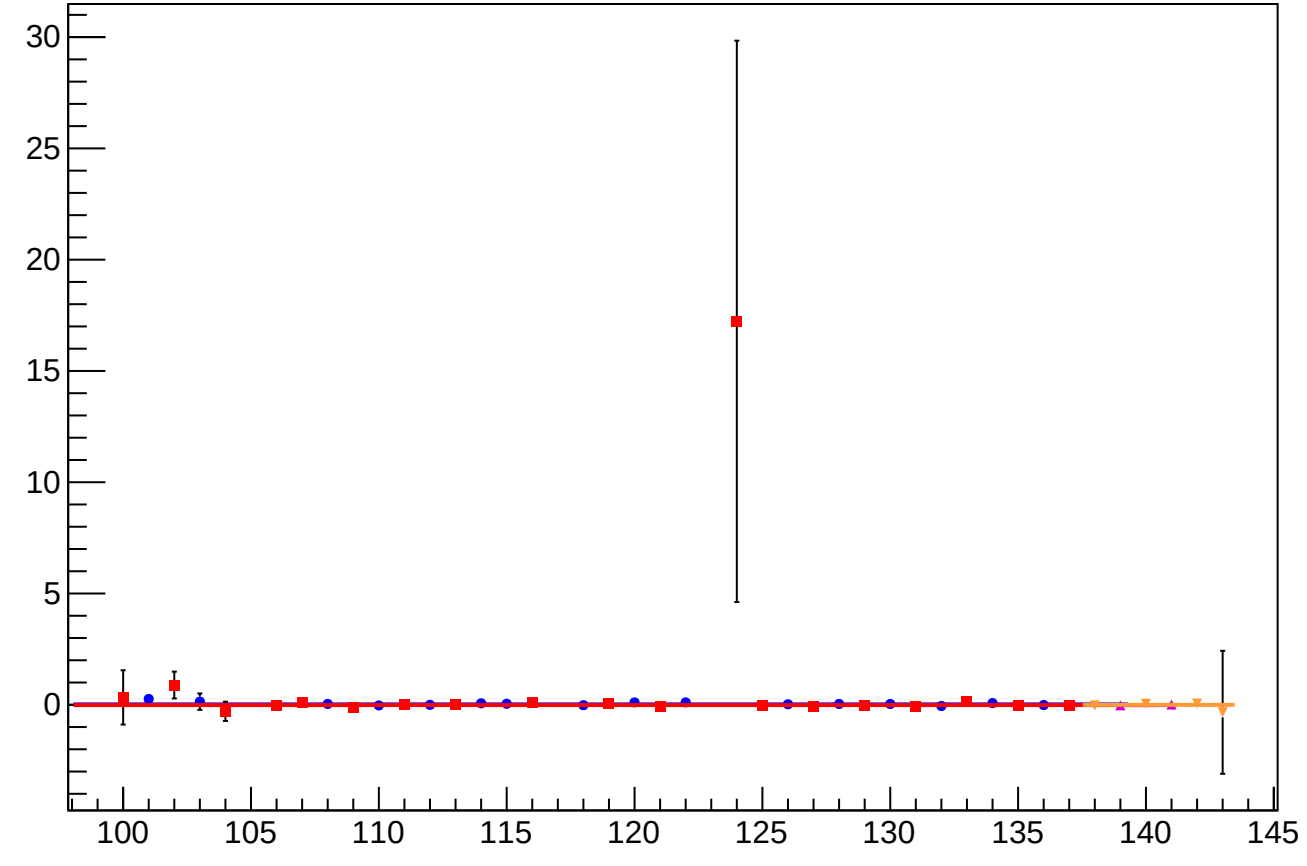
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40

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: -0.003+/-0.022 χ^2/NDF:2.7/3

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: -0.008+/-0.016 χ^2/NDF: 3.2/5

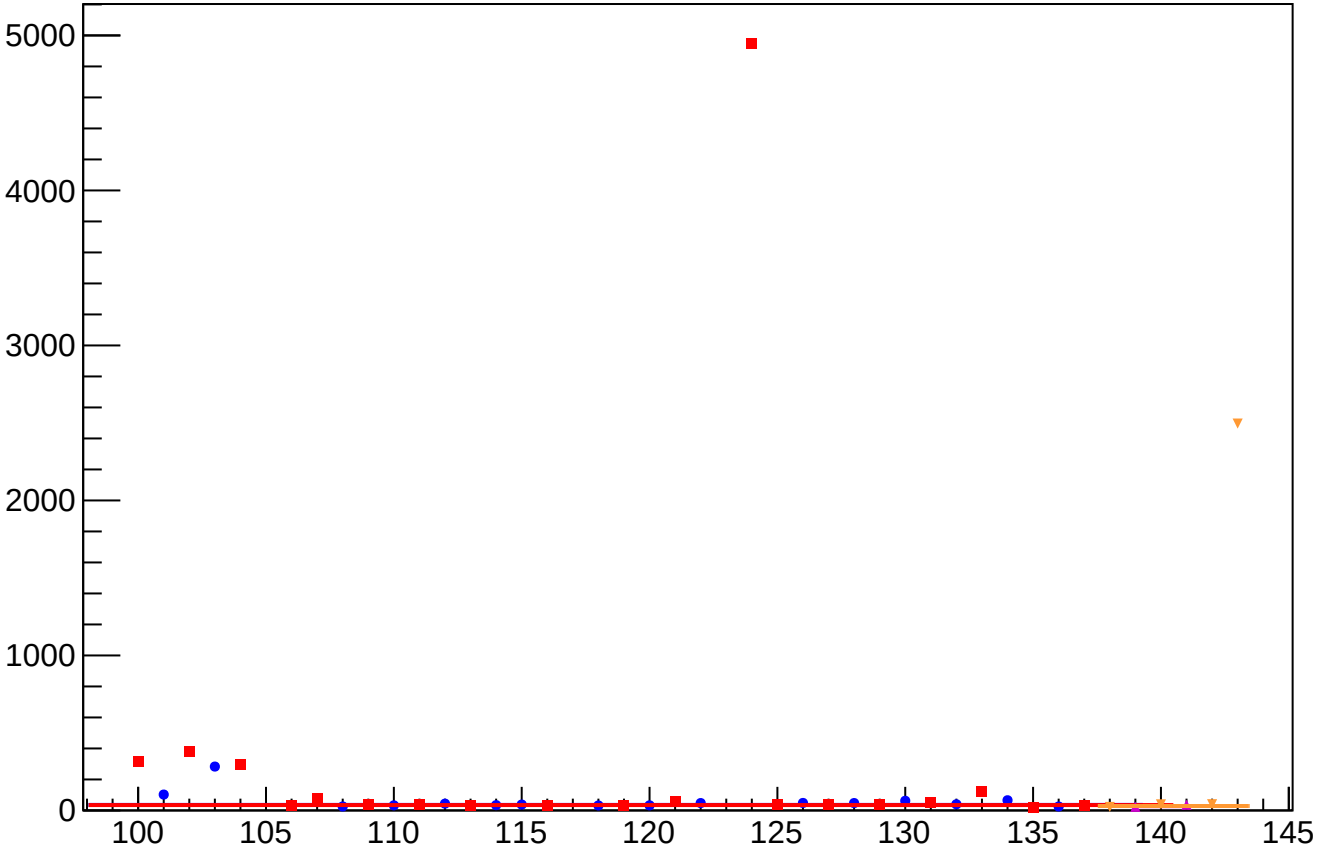
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.008+/-0.013 χ^2/NDF:13.0/17

Out: -0.010+/-0.013 χ^2/NDF:18.9/22

All: -0.001+/-0.009 χ^2/NDF: 32.9/40

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: 28.723+/-0.016 χ^2/NDF:1867949.2/3

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 27.827+/-0.017 χ^2/NDF:137739.1/1

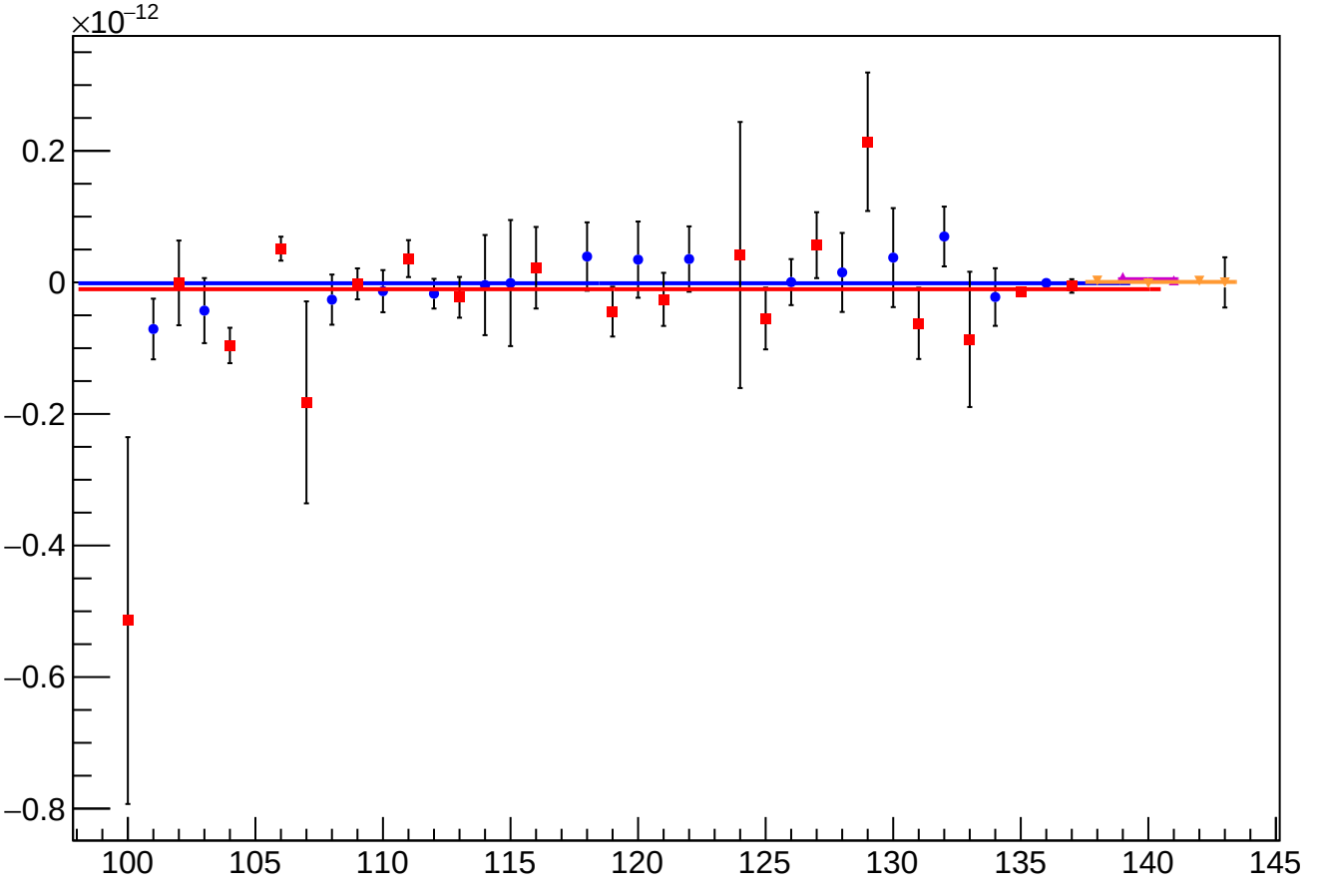
Left: 28.313+/-0.012 χ^2/NDF: 2007177.0/5

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.448+/-0.009 χ^2/NDF:2554549.3/17

Out: 32.787+/-0.009 χ^2/NDF:4882039.0/22

All: 33.111+/-0.006 χ^2/NDF: 7439216.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

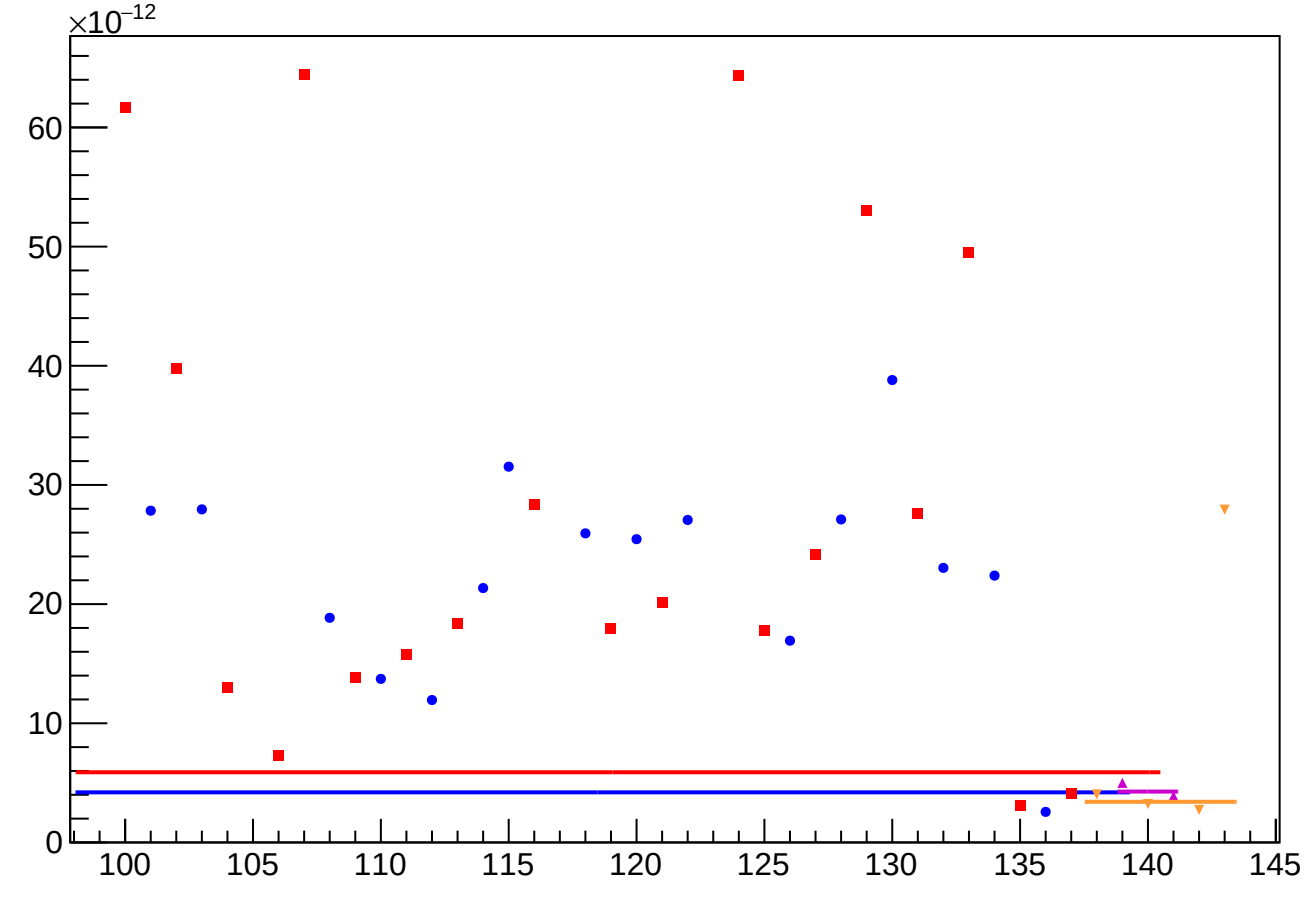
Left: 0.000+/-0.000 χ^2/NDF: 1.7/5

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:45.3/22

All: -0.000+/-0.000 χ^2/NDF: 57.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:889079.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:36200.5/1

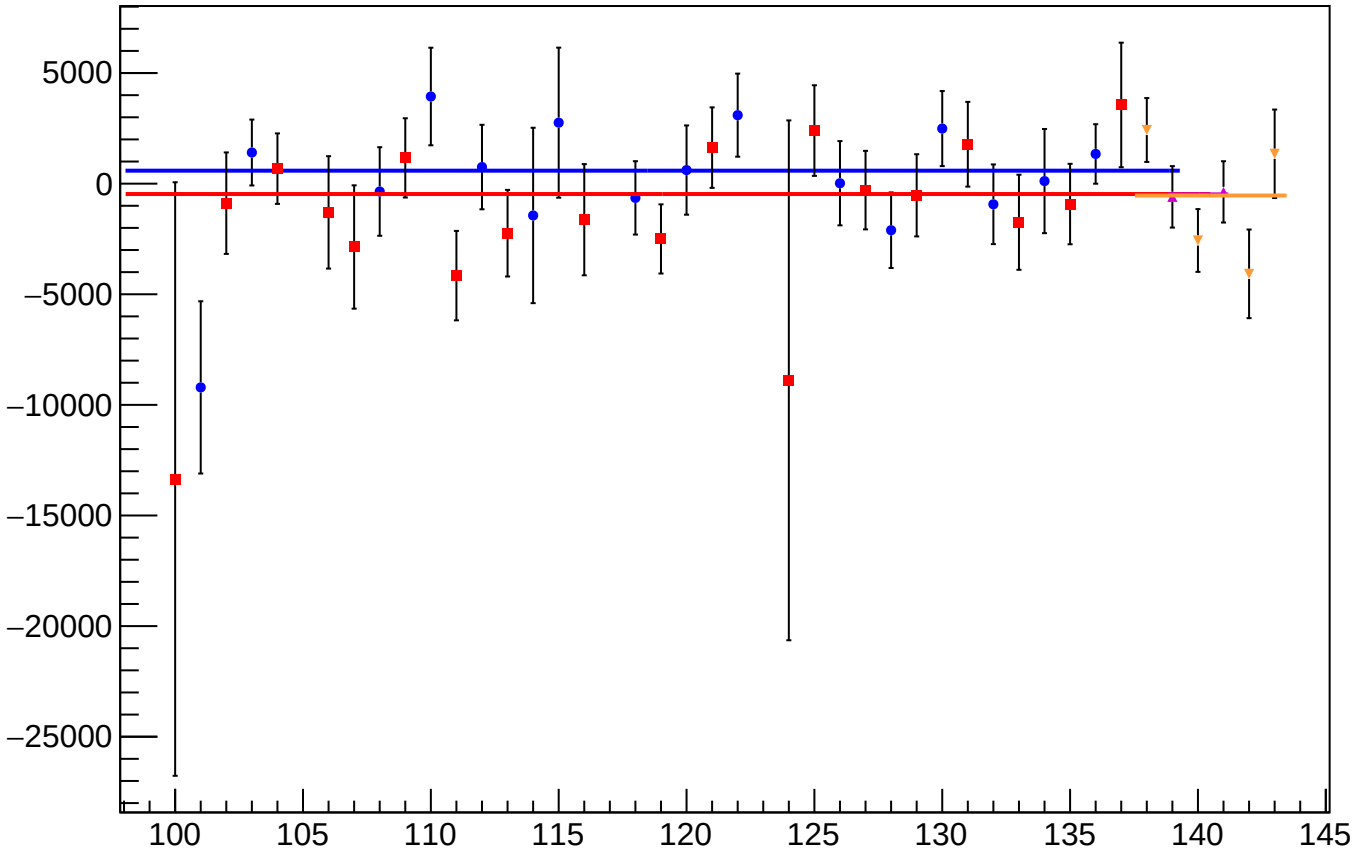
Left: 0.000+/-0.000 χ^2/NDF: 989578.9/5

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:6242059.9/22

All: 0.000+/-0.000 χ^2/NDF: 11359736.1/40



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -535.888+/-823.157 χ^2/NDF:10.3/3

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -483.916+/-981.051 χ^2/NDF:0.0/1

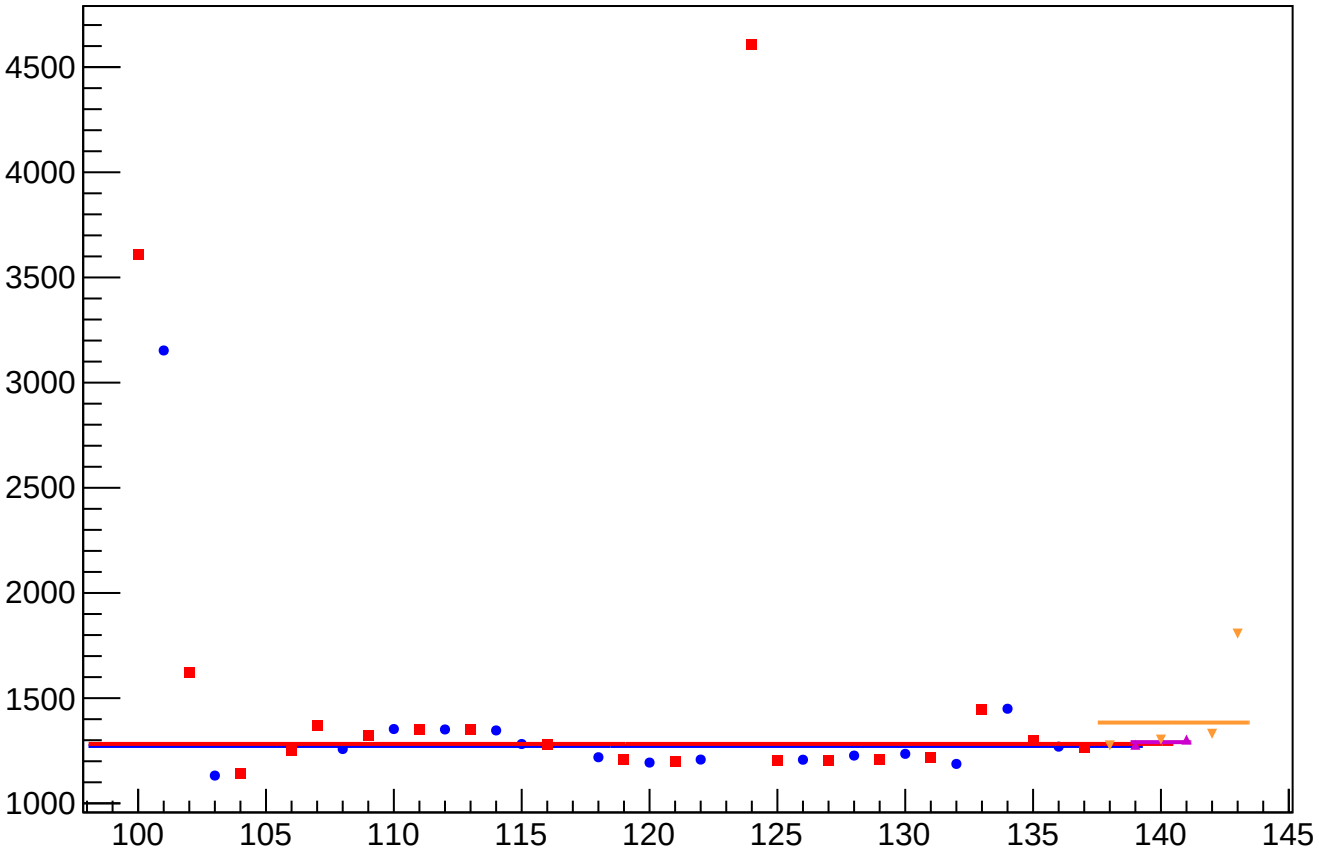
Left: -514.416+/-630.588 χ^2/NDF: 10.3/5

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 378.407+/-432.921 χ^2/NDF:18.0/17

Out: -486.009+/-414.985 χ^2/NDF:27.1/22

All: -72.078+/-299.579 χ^2/NDF: 47.3/40



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

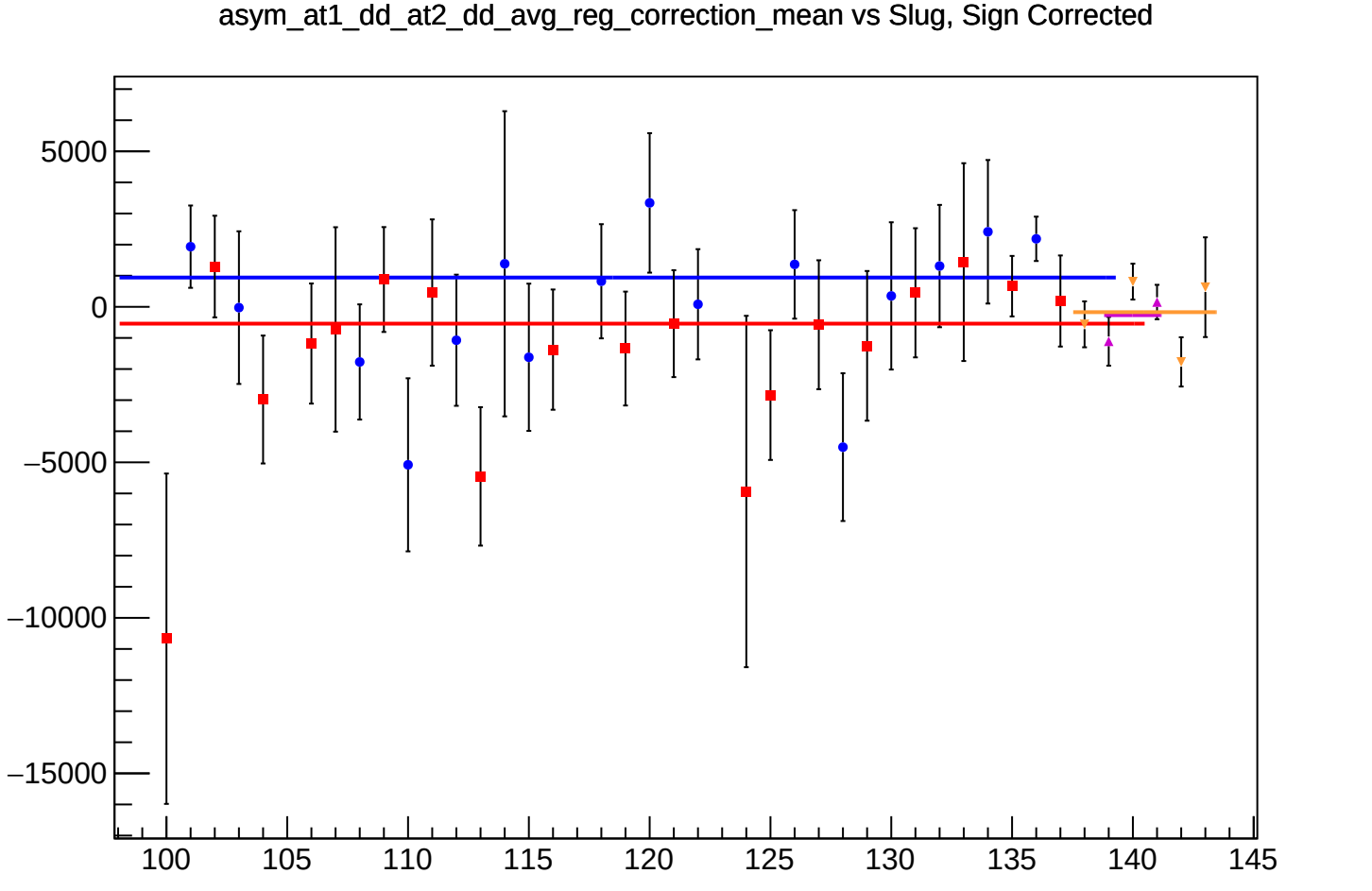
Left: 1345.528+/-0.446 χ^2/NDF: 119551.5/5

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1276.328+/-0.306 χ^2/NDF:520163.0/17

Out: 1308.192+/-0.293 χ^2/NDF:453481.2/22

All: 1292.934+/-0.212 χ^2/NDF: 979290.6/40



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -171.429+/-382.665 χ^2/NDF:7.5/3

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: -211.191+/-292.204 χ^2/NDF: 9.3/5

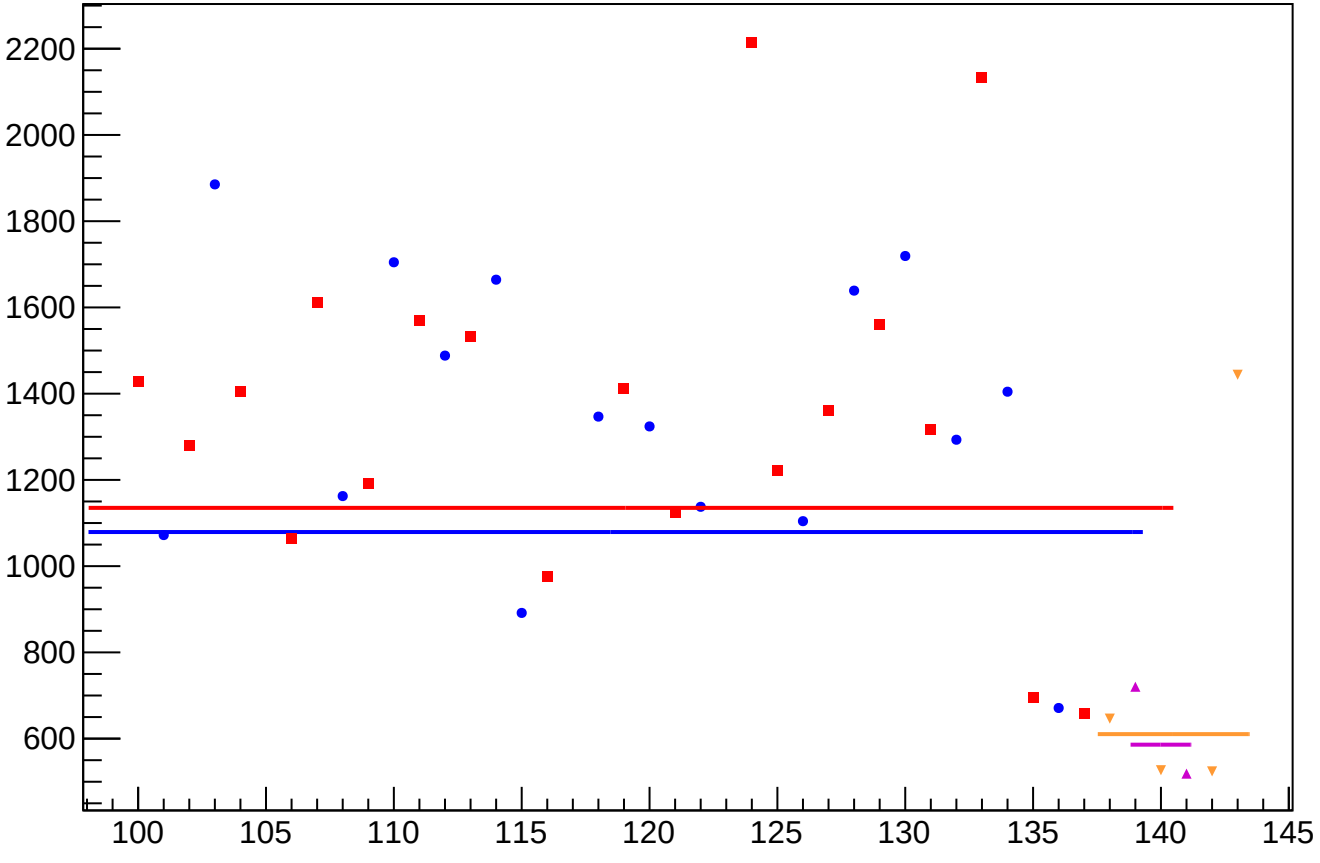
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 374.197+/-310.125 χ^2/NDF:25.4/17

Out: -330.459+/-288.716 χ^2/NDF:25.1/22

All: -3.291+/-211.317 χ^2/NDF: 53.3/40

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: 610.439+/-0.271 χ^2/NDF:611061.6/3

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 585.978+/-0.320 χ^2/NDF:88146.9/1

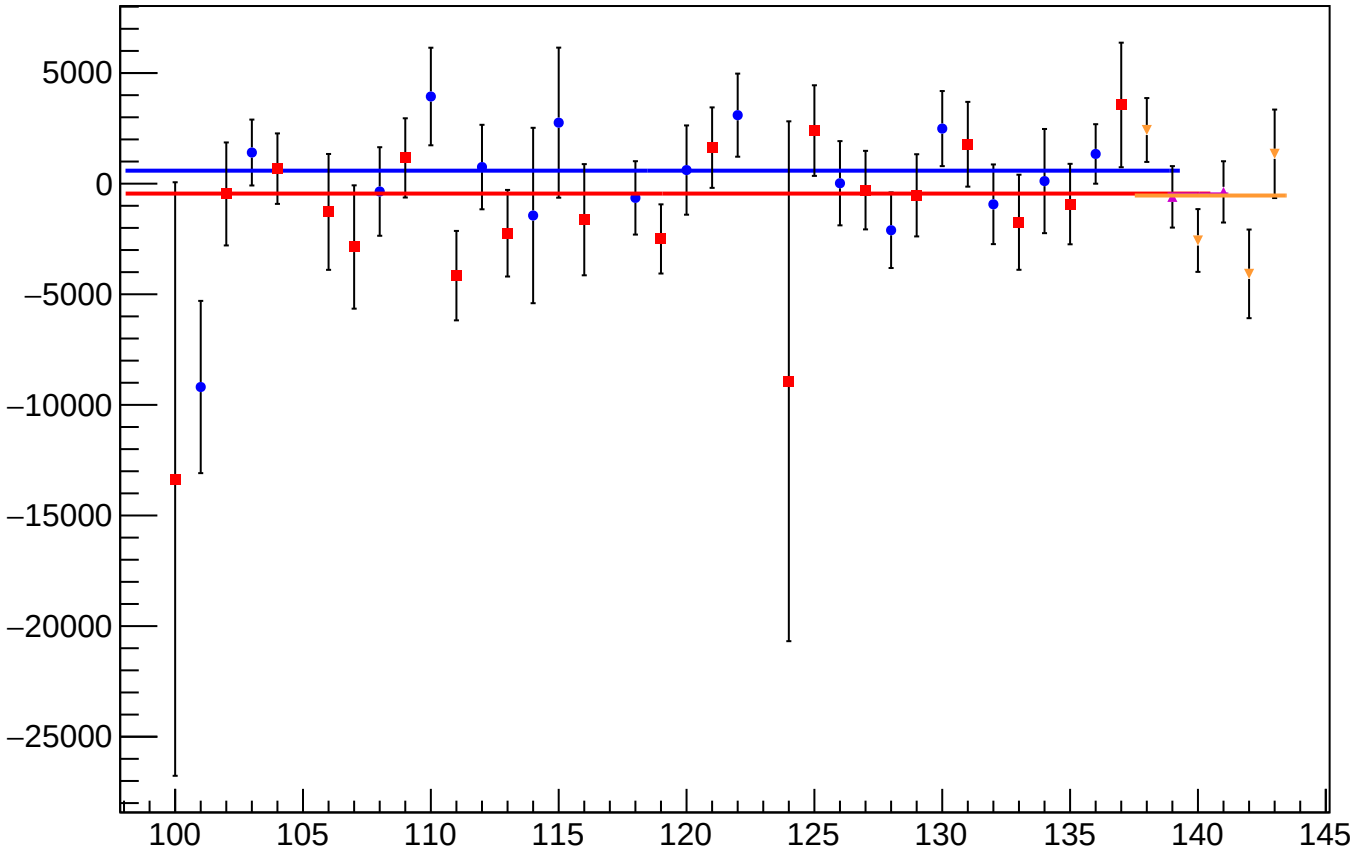
Left: 600.241+/-0.207 χ^2/NDF: 702615.4/5

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 847.531+/-0.219 χ^2/NDF:2829975.1/17

Out: 836.462+/-0.204 χ^2/NDF:3523996.5/22

All: 841.601+/-0.149 χ^2/NDF: 6355336.7/40



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

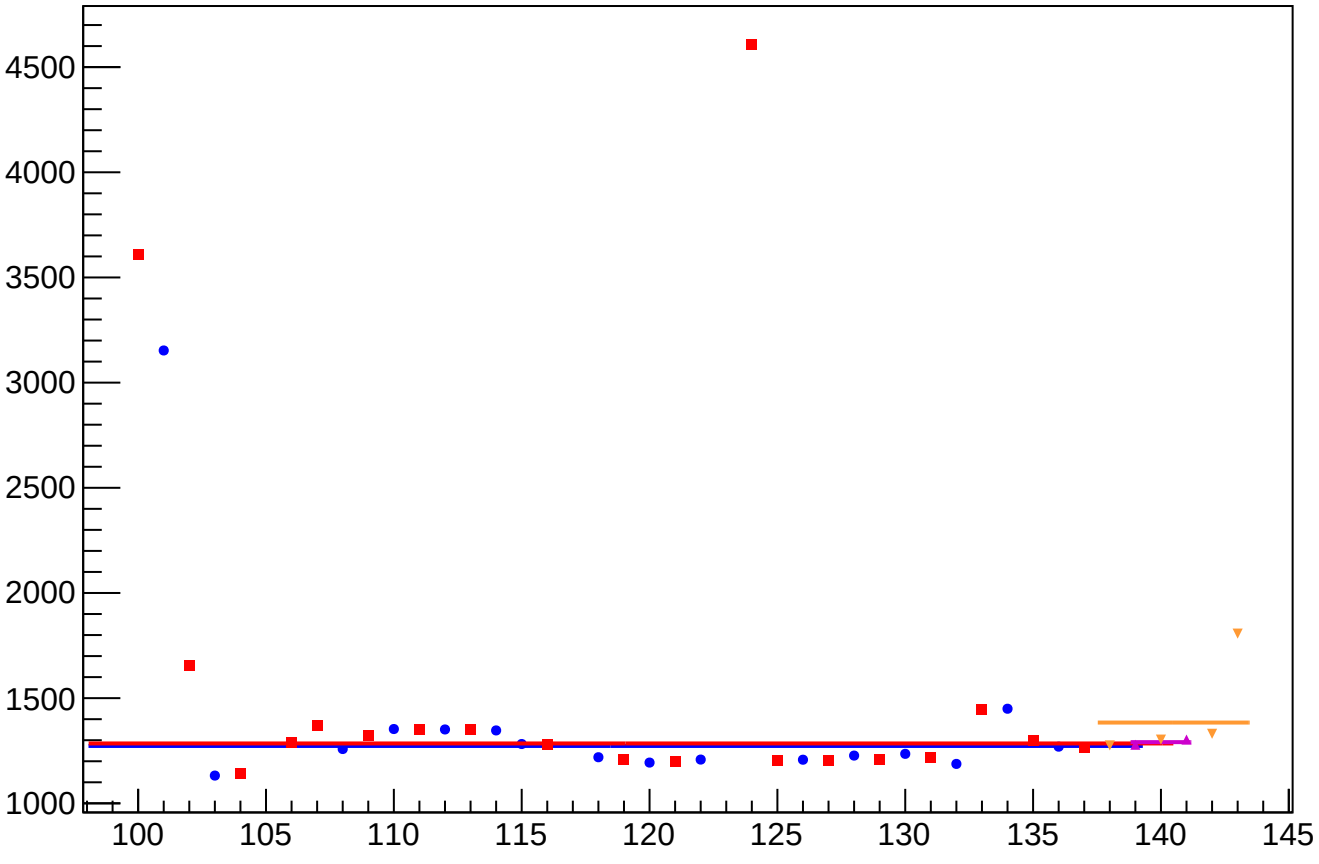
Left: -514.465+/-630.588 χ^2/NDF: 10.3/5

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -63.451+/-299.776 χ^2/NDF: 47.1/40



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

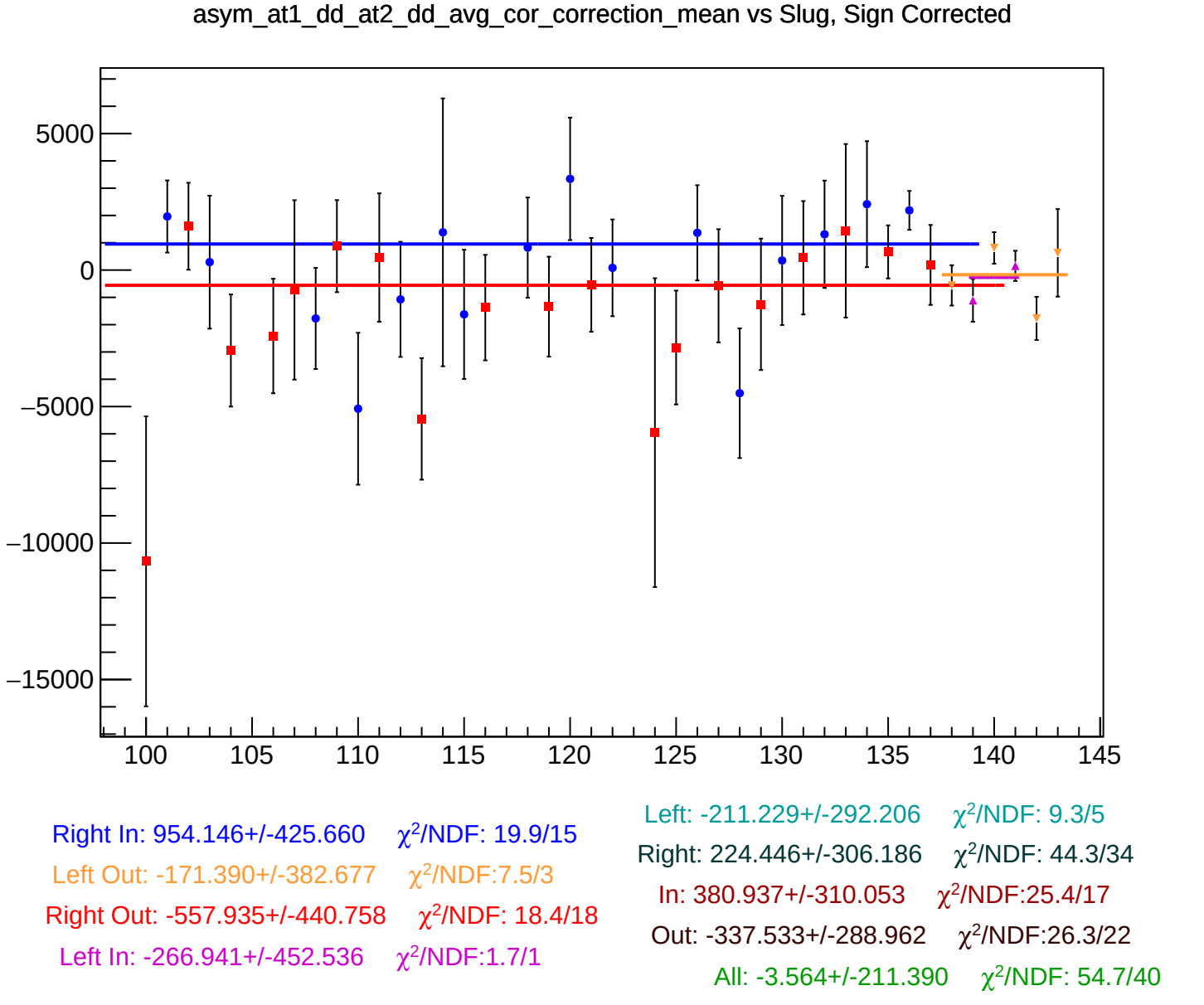
Left: 1345.528+/-0.446 χ^2/NDF: 119551.5/5

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

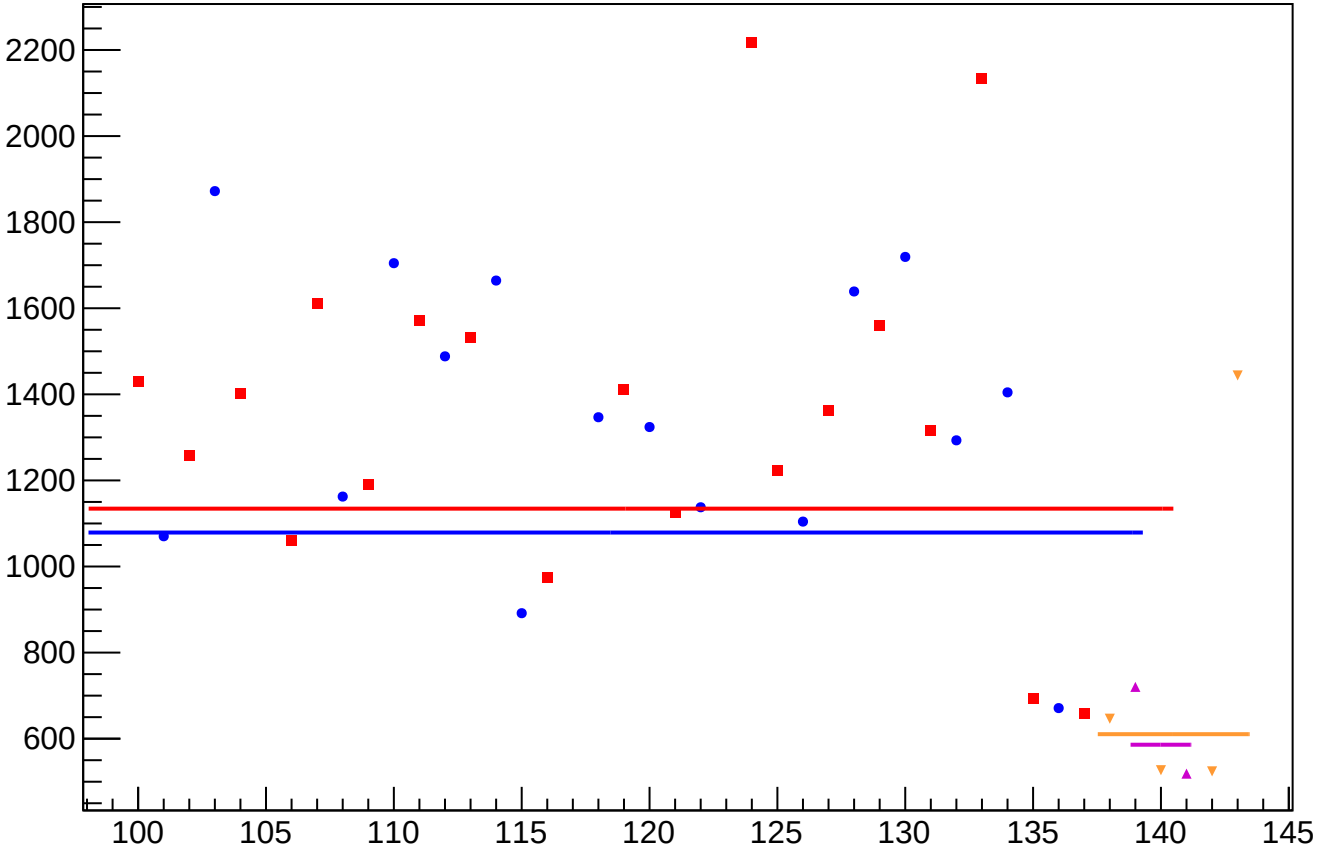
In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
145
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: -171.390+/-382.677 χ²/NDF:7.5/3
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -266.941+/-452.536 χ²/NDF:1.7/1
Left: -211.229+/-292.206 χ²/NDF: 9.3/5
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 380.937+/-310.053 χ²/NDF:25.4/17
Out: -337.533+/-288.962 χ²/NDF:26.3/22
All: -3.564+/-211.390 χ²/NDF: 54.7/40

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: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

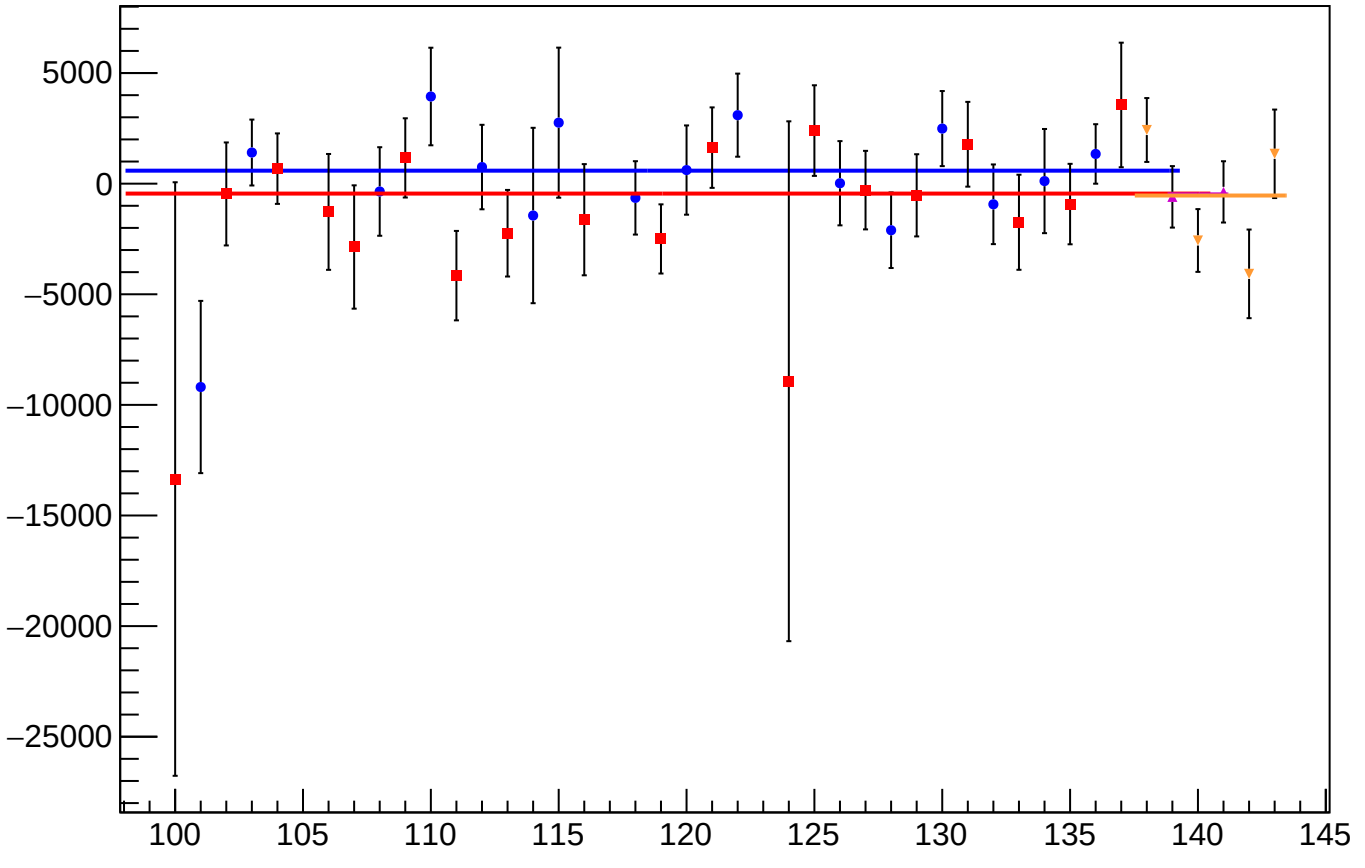
Left: 600.246+/-0.207 χ^2/NDF: 702588.6/5

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -536.057+/-823.157 χ^2/NDF:10.3/3

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -483.795+/-981.051 χ^2/NDF:0.0/1

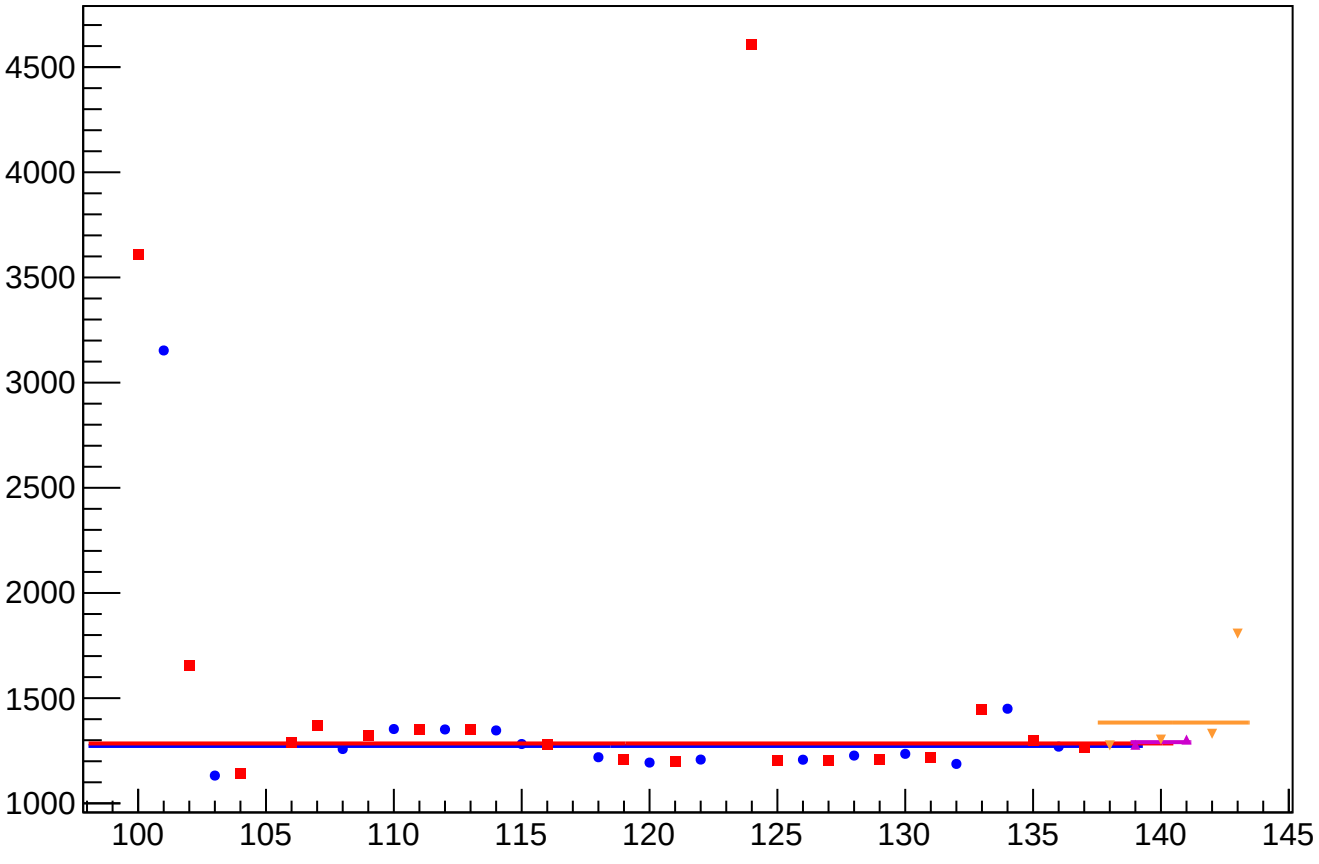
Left: -514.465+/-630.588 χ^2/NDF: 10.3/5

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 378.688+/-432.921 χ^2/NDF:18.0/17

Out: -470.744+/-415.511 χ^2/NDF:27.1/22

All: -63.451+/-299.776 χ^2/NDF: 47.1/40



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1383.986+/-0.582 χ^2/NDF:108668.2/3

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1290.901+/-0.694 χ^2/NDF:316.8/1

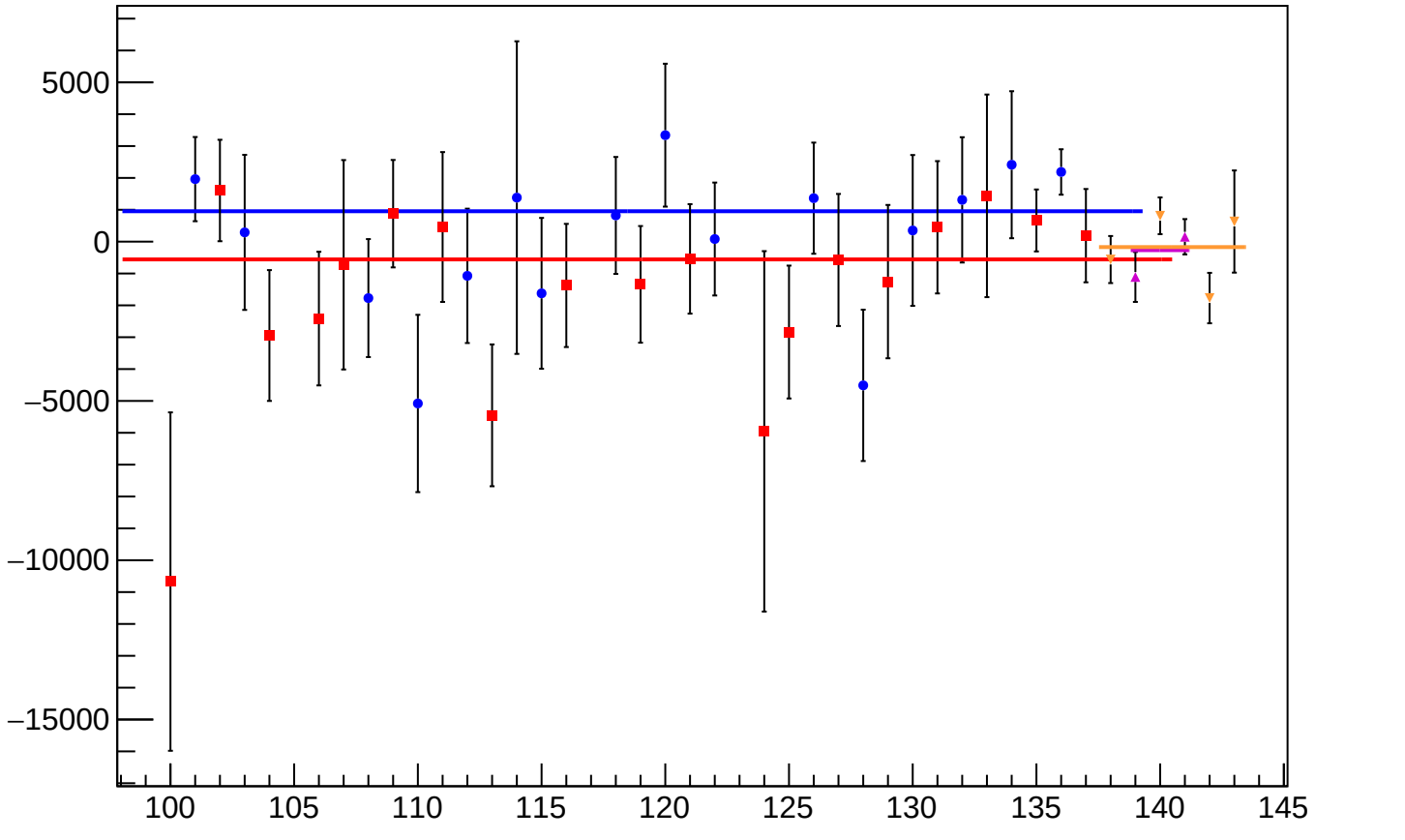
Left: 1345.528+/-0.446 χ^2/NDF: 119551.5/5

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1276.328+/-0.306 χ^2/NDF:520164.5/17

Out: 1309.964+/-0.294 χ^2/NDF:459105.9/22

All: 1293.836+/-0.212 χ^2/NDF: 985554.5/40



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -171.390+/-382.677 χ^2/NDF:7.5/3

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: -211.229+/-292.206 χ^2/NDF: 9.3/5

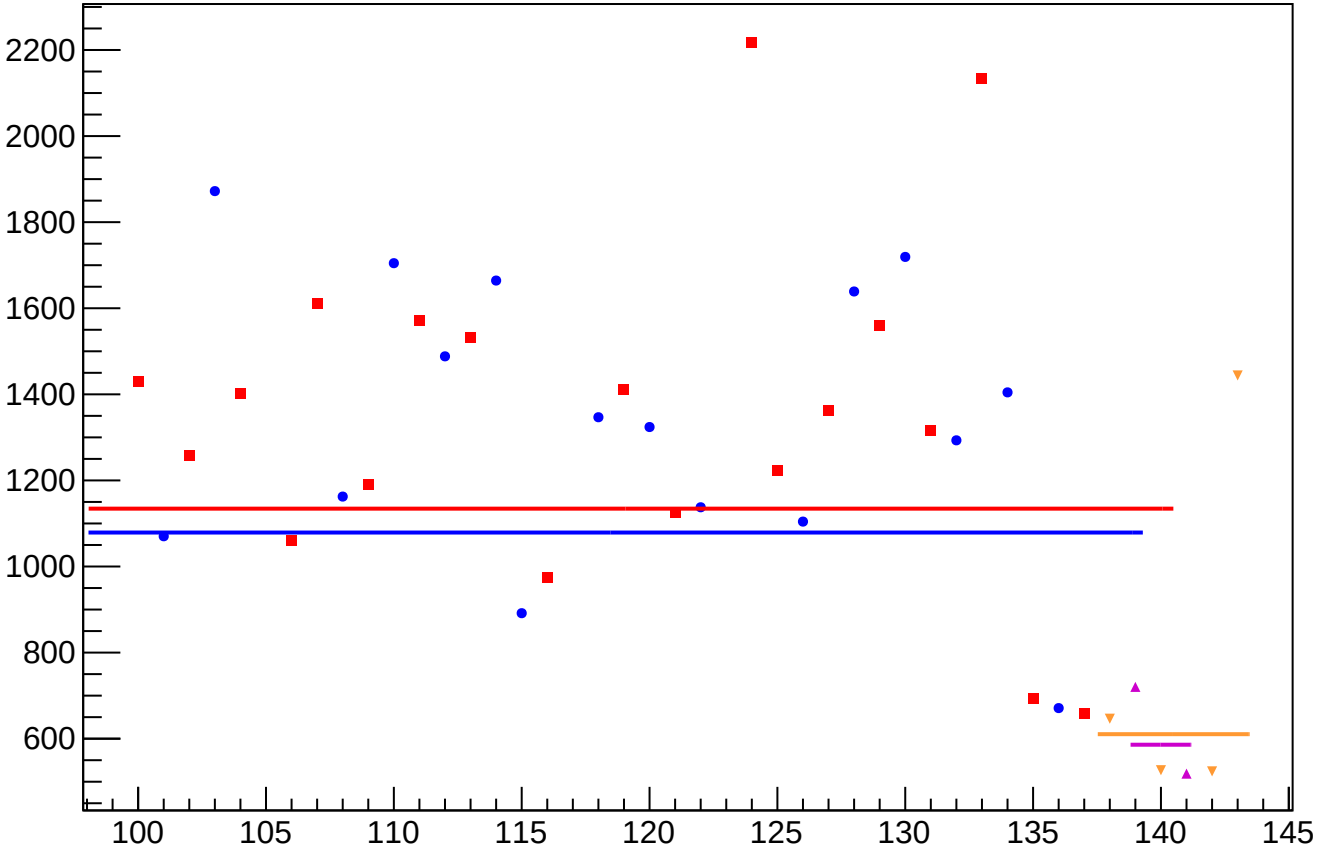
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 380.937+/-310.053 χ^2/NDF:25.4/17

Out: -337.533+/-288.962 χ^2/NDF:26.3/22

All: -3.564+/-211.390 χ^2/NDF: 54.7/40

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: 610.462+/-0.271 χ^2/NDF:611007.8/3

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 585.960+/-0.320 χ^2/NDF:88162.4/1

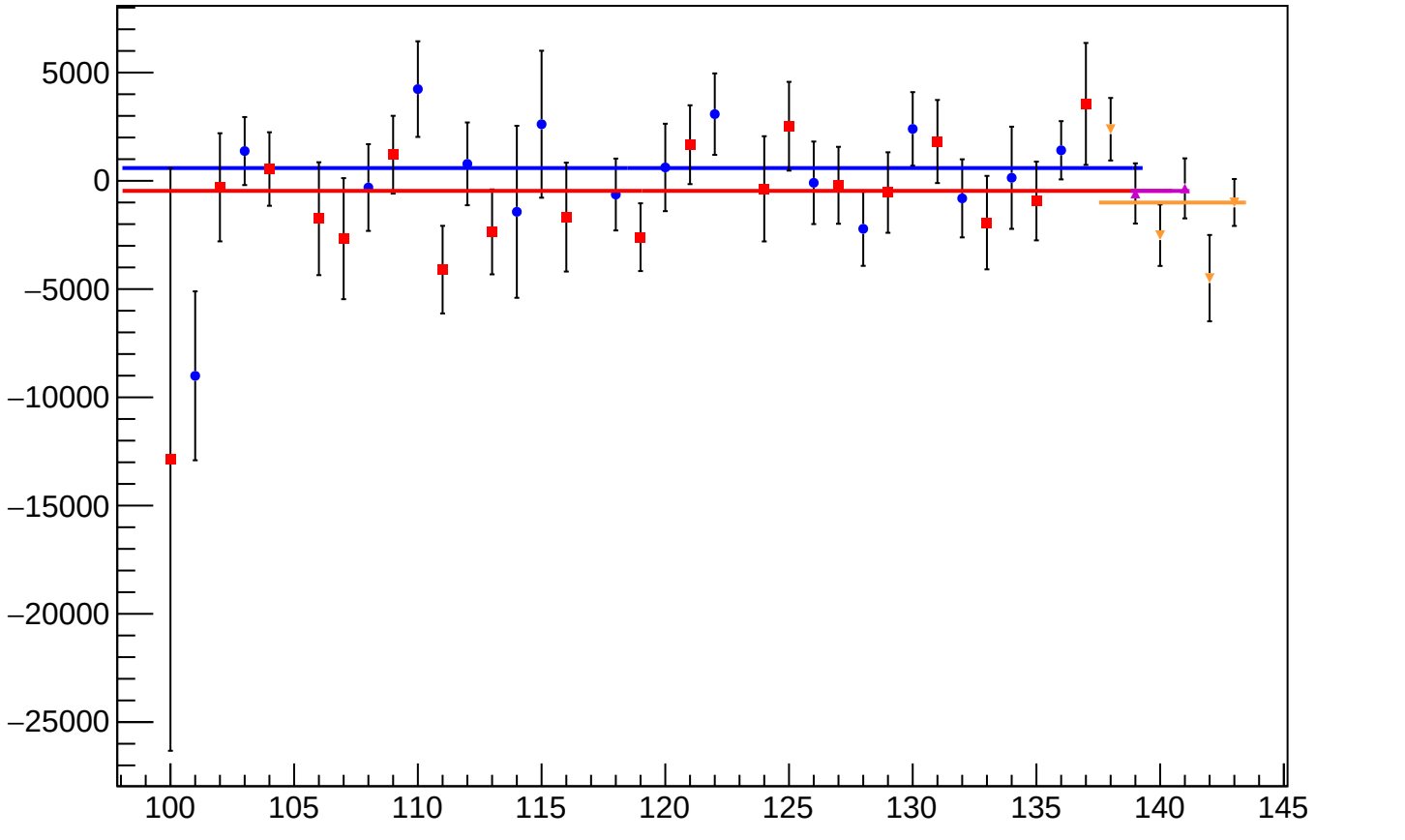
Left: 600.246+/-0.207 χ^2/NDF: 702588.6/5

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 847.518+/-0.219 χ^2/NDF:2826137.7/17

Out: 835.670+/-0.204 χ^2/NDF:3511486.7/22

All: 841.178+/-0.149 χ^2/NDF: 6339187.4/40



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.013+/-981.815 χ^2/NDF:0.0/1

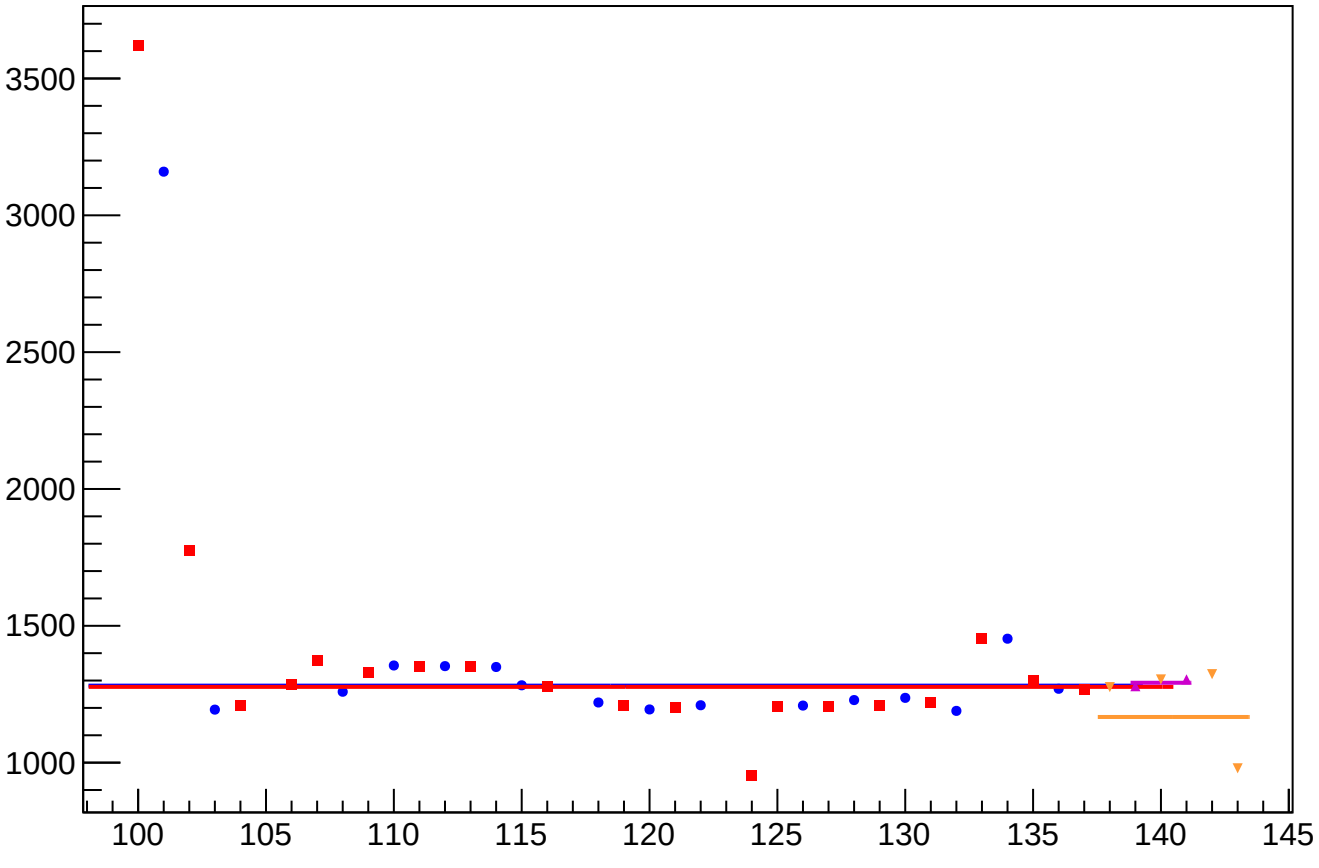
Left: -823.606+/-566.567 χ^2/NDF: 9.9/5

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 382.983+/-435.186 χ^2/NDF:18.1/17

Out: -635.860+/-392.937 χ^2/NDF:26.8/22

All: -178.284+/-291.644 χ^2/NDF: 47.9/40



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.8/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1291.897+/-0.694 χ^2/NDF:329.8/1

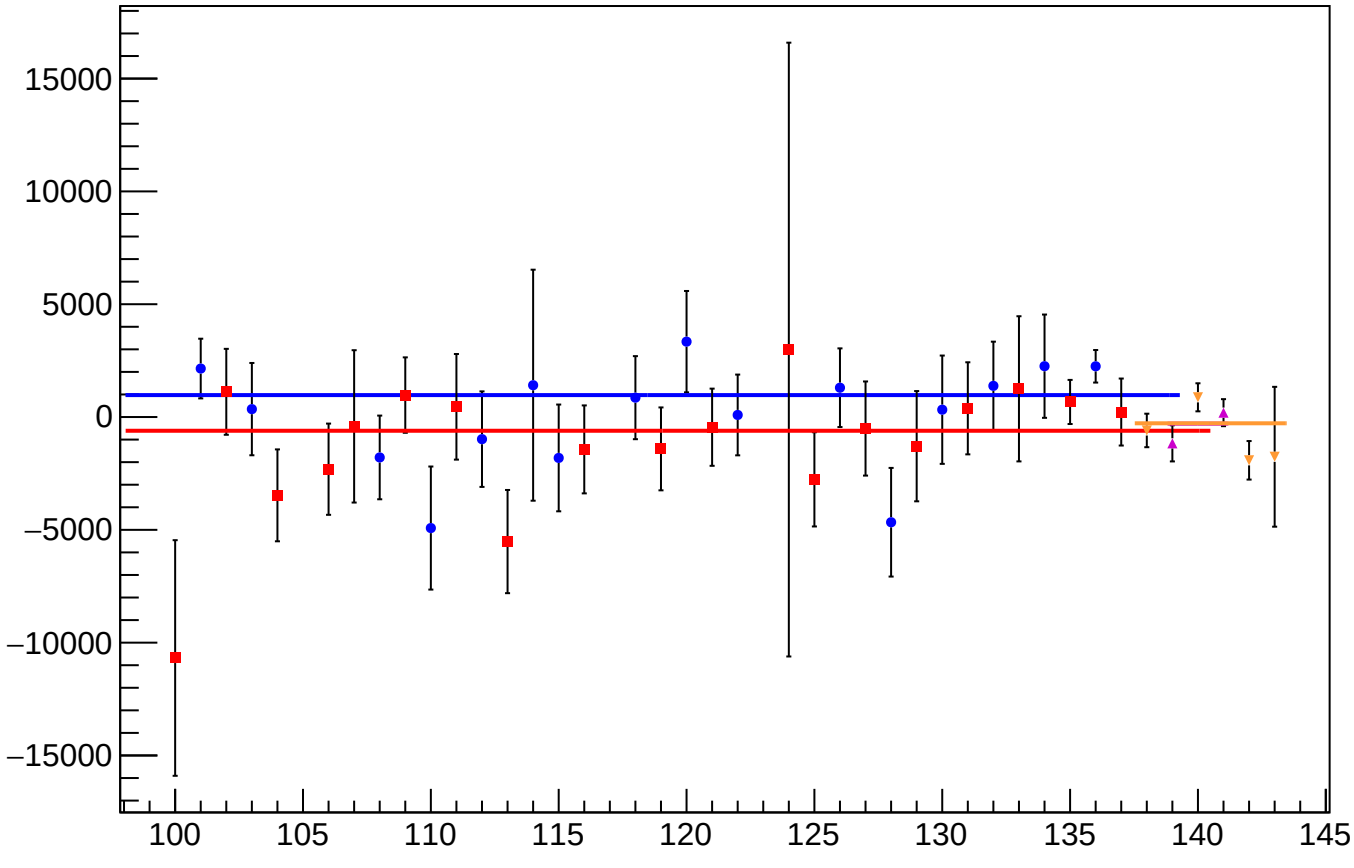
Left: 1208.491+/-0.401 χ^2/NDF: 124267.8/5

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.0/17

Out: 1241.567+/-0.278 χ^2/NDF:356970.7/22

All: 1260.371+/-0.206 χ^2/NDF: 874762.9/40



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -277.522+/-412.482 χ^2/NDF:7.5/3

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: -284.617+/-312.702 χ^2/NDF: 9.4/5

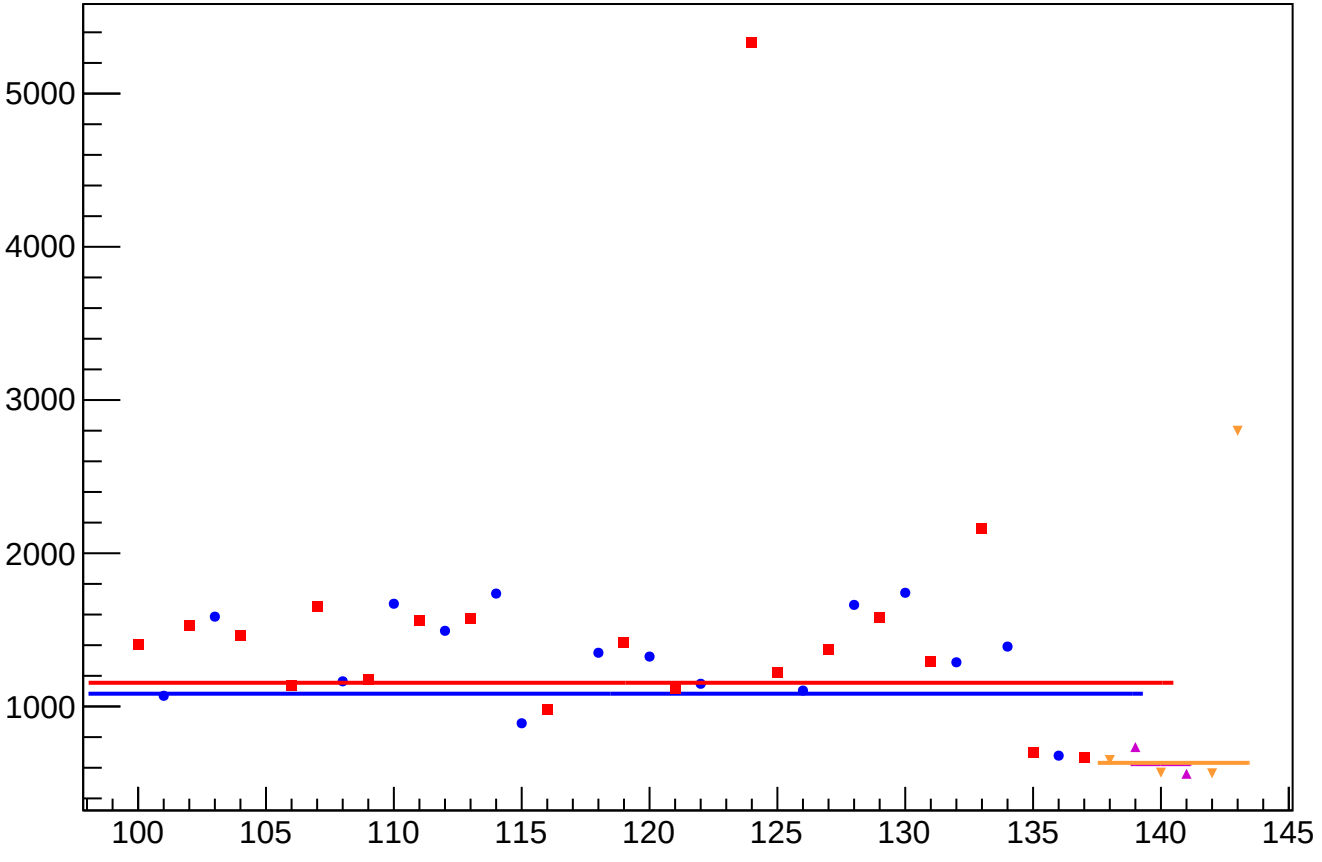
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 414.757+/-318.143 χ^2/NDF:26.2/17

Out: -429.439+/-303.367 χ^2/NDF:25.0/22

All: -27.400+/-219.551 χ^2/NDF: 54.9/40

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 632.036+/-0.292 χ^2/NDF:1013266.7/3

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 623.559+/-0.339 χ^2/NDF:60772.0/1

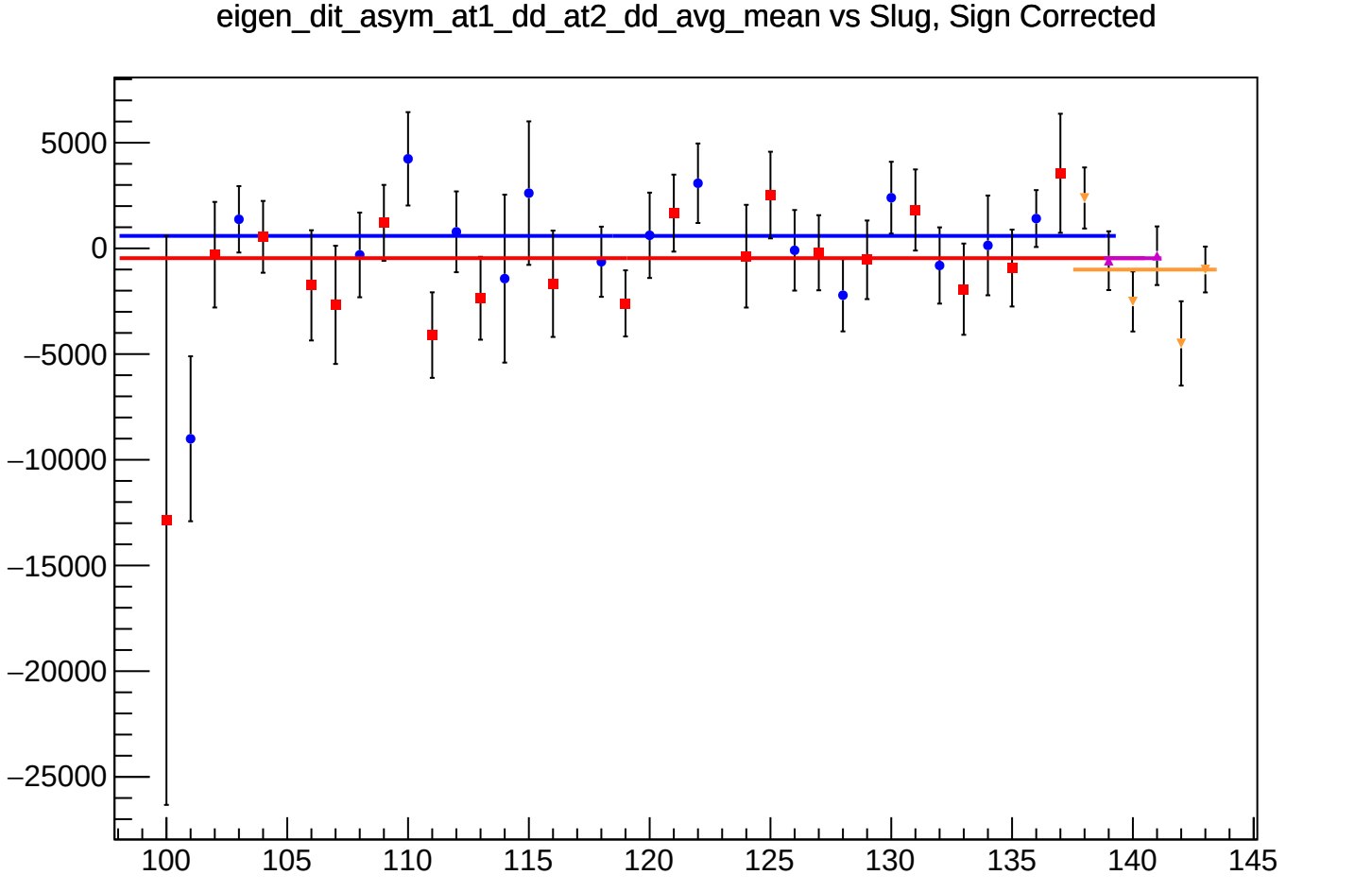
Left: 628.431+/-0.221 χ^2/NDF: 1074397.9/5

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 880.934+/-0.225 χ^2/NDF:2450276.3/17

Out: 871.996+/-0.215 χ^2/NDF:3975926.5/22

All: 876.253+/-0.155 χ^2/NDF: 6427029.6/40



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1002.633+/-693.726 χ^2/NDF:9.7/3

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -465.021+/-981.815 χ^2/NDF:0.0/1

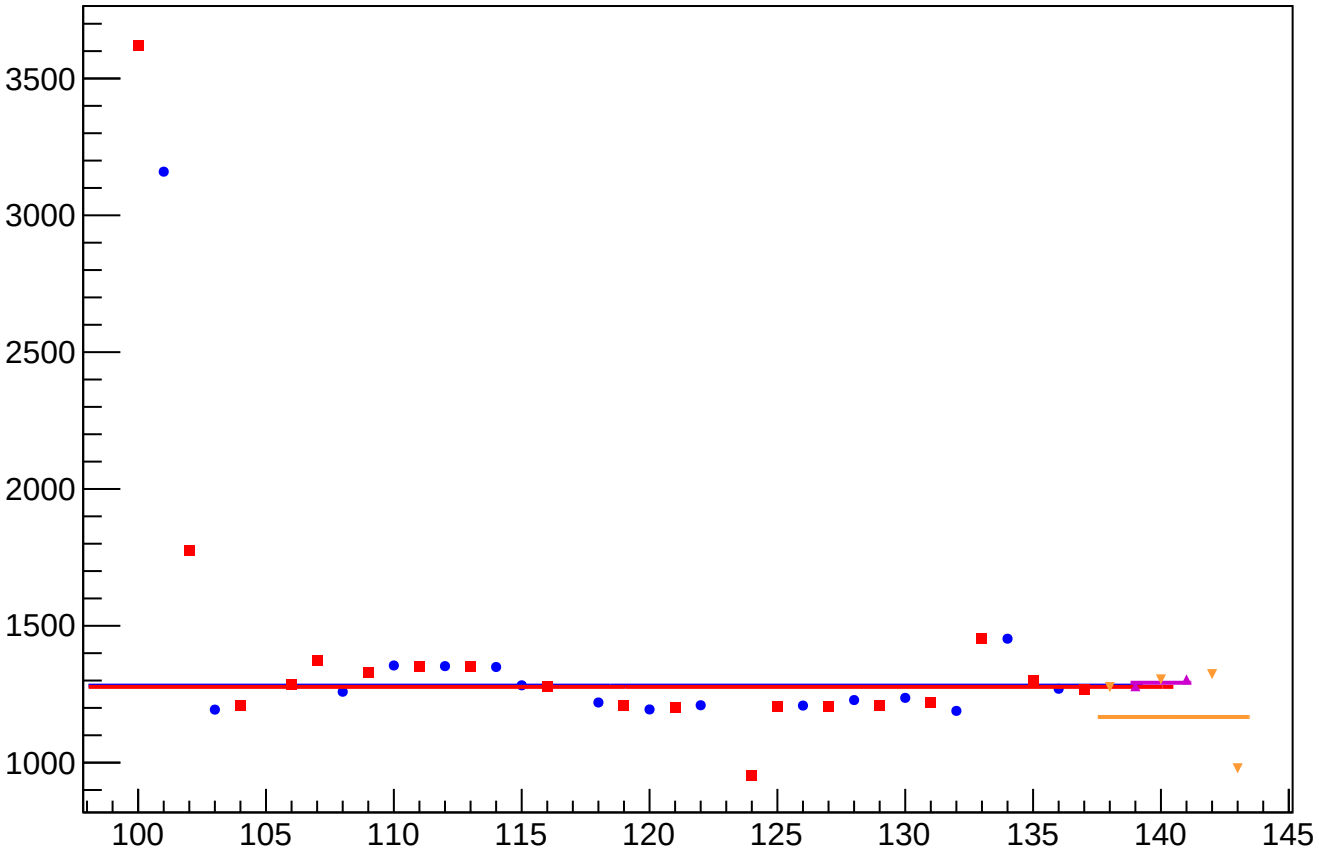
Left: -823.609+/-566.567 χ^2/NDF: 9.9/5

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 382.982+/-435.186 χ^2/NDF:18.1/17

Out: -635.860+/-392.937 χ^2/NDF:26.8/22

All: -178.284+/-291.644 χ^2/NDF: 47.9/40



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1166.851+/-0.491 χ^2/NDF:102298.3/3

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1291.898+/-0.694 χ^2/NDF:329.8/1

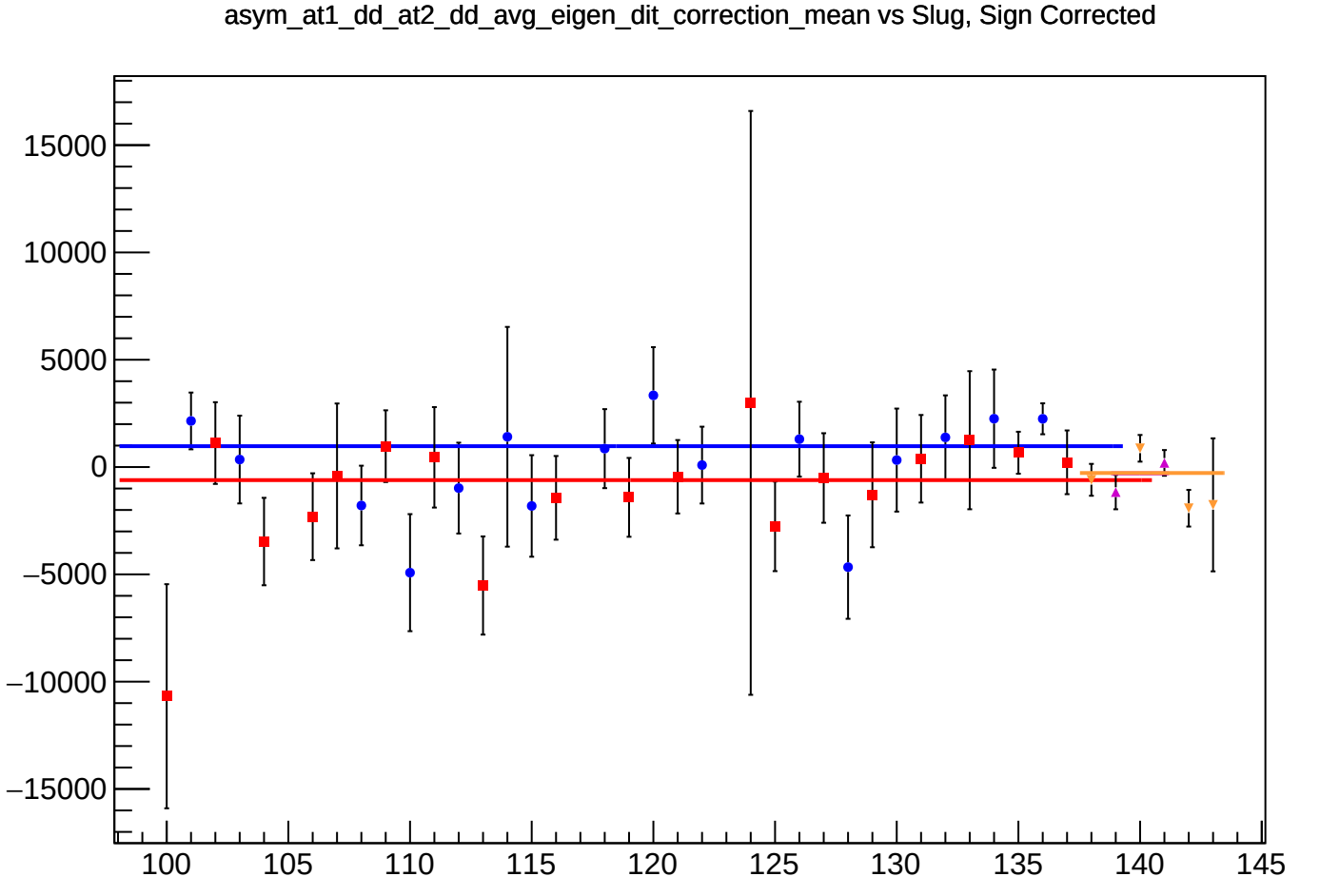
Left: 1208.492+/-0.401 χ^2/NDF: 124267.2/5

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1283.437+/-0.308 χ^2/NDF:507593.2/17

Out: 1241.567+/-0.278 χ^2/NDF:356969.7/22

All: 1260.371+/-0.206 χ^2/NDF: 874762.0/40



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -277.526+/-412.486 χ^2/NDF:7.5/3

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -294.202+/-479.505 χ^2/NDF:1.9/1

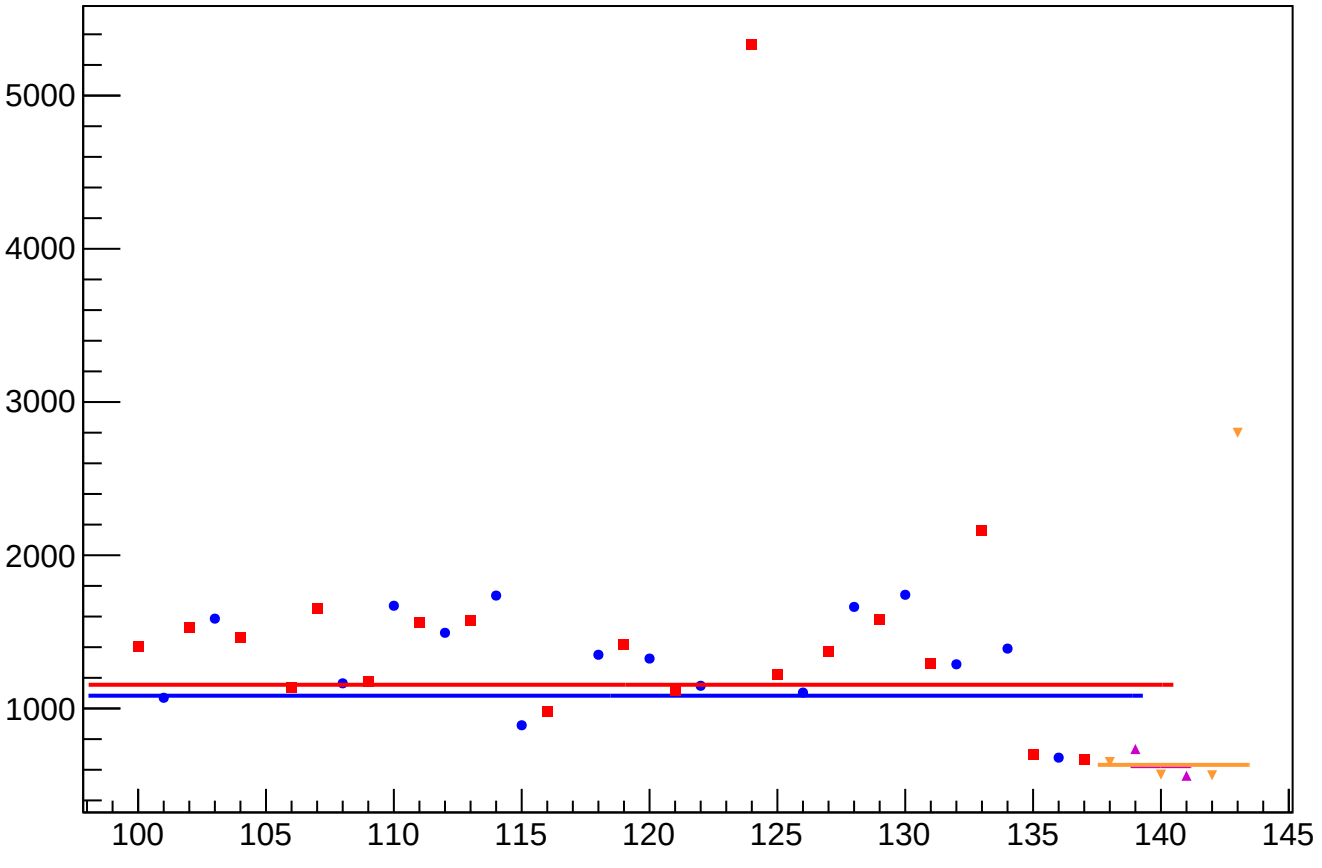
Left: -284.618+/-312.705 χ^2/NDF: 9.4/5

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 414.758+/-318.145 χ^2/NDF:26.2/17

Out: -429.446+/-303.369 χ^2/NDF:25.0/22

All: -27.403+/-219.552 χ^2/NDF: 54.9/40


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
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105
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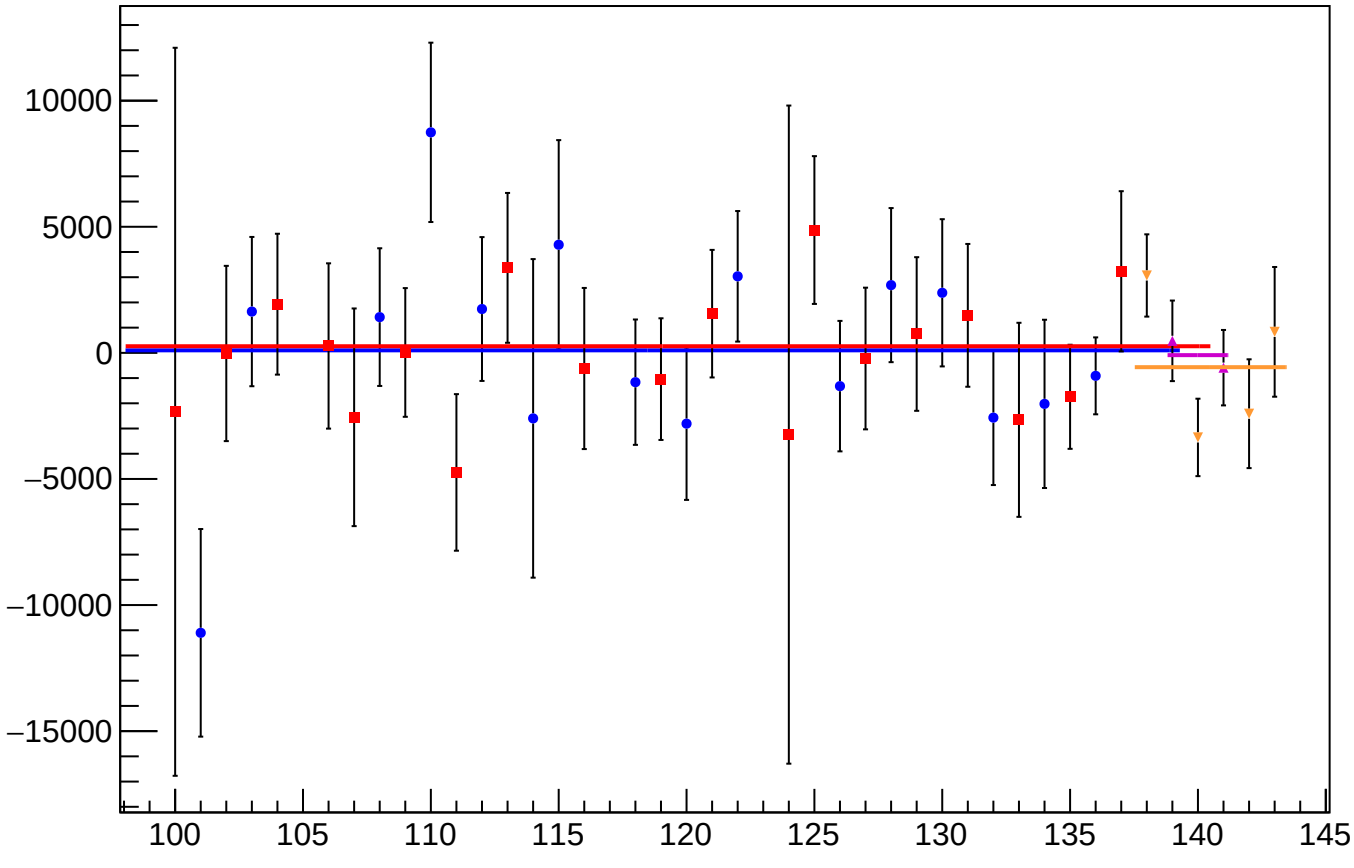
115
120
125
130
135
140
145
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 632.041+/-0.292 χ²/NDF:1013265.5/3
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 623.564+/-0.339 χ²/NDF:60777.2/1
Left: 628.436+/-0.221 χ²/NDF: 1074402.0/5
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 880.941+/-0.225 χ²/NDF:2450216.9/17
Out: 872.003+/-0.215 χ²/NDF:3975864.1/22
All: 876.260+/-0.155 χ²/NDF: 6426907.6/40



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -567.595+/-926.083 χ^2/NDF:9.3/3

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -90.169+/-1091.699 χ^2/NDF:0.2/1

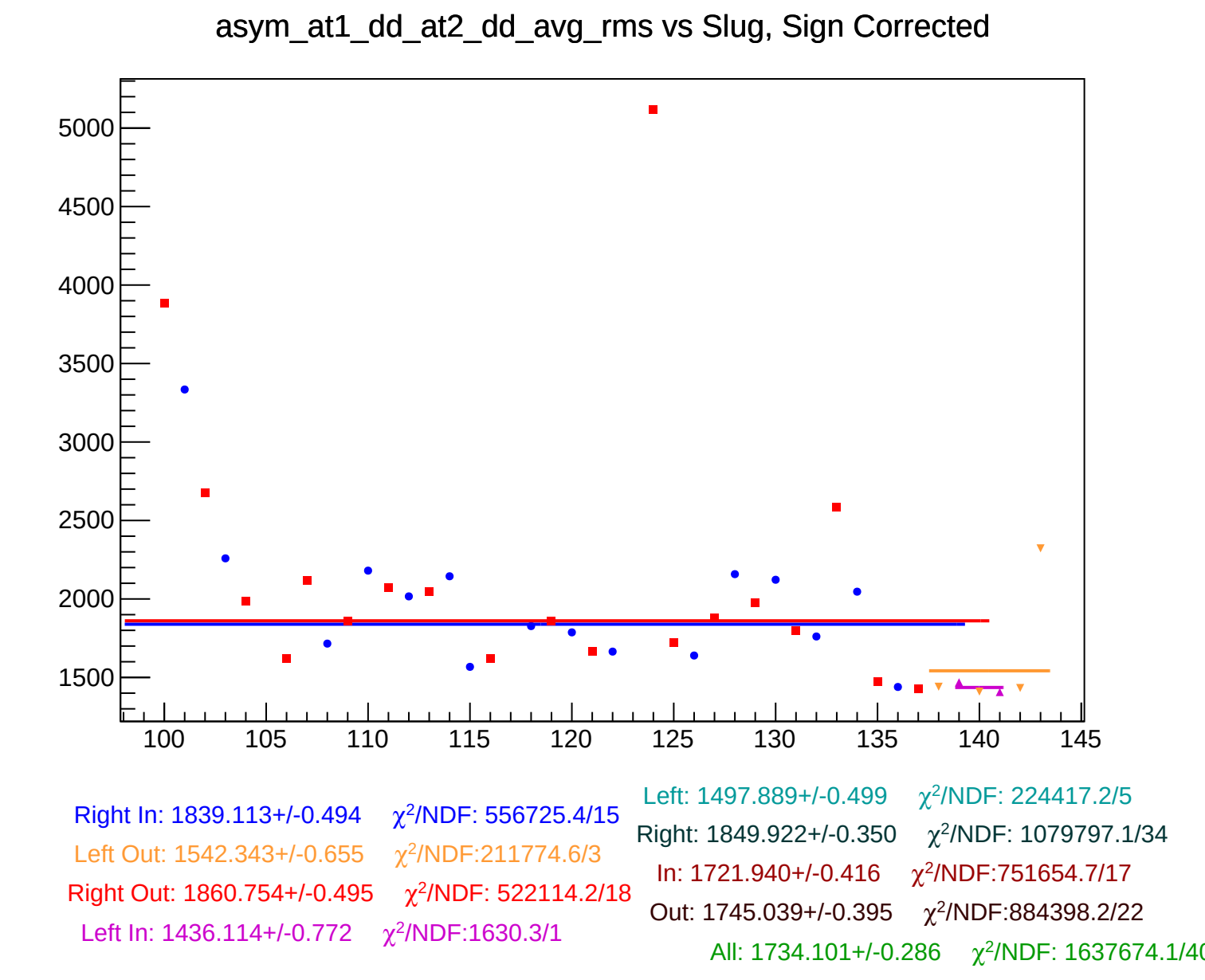
Left: -367.806+/-706.213 χ^2/NDF: 9.6/5

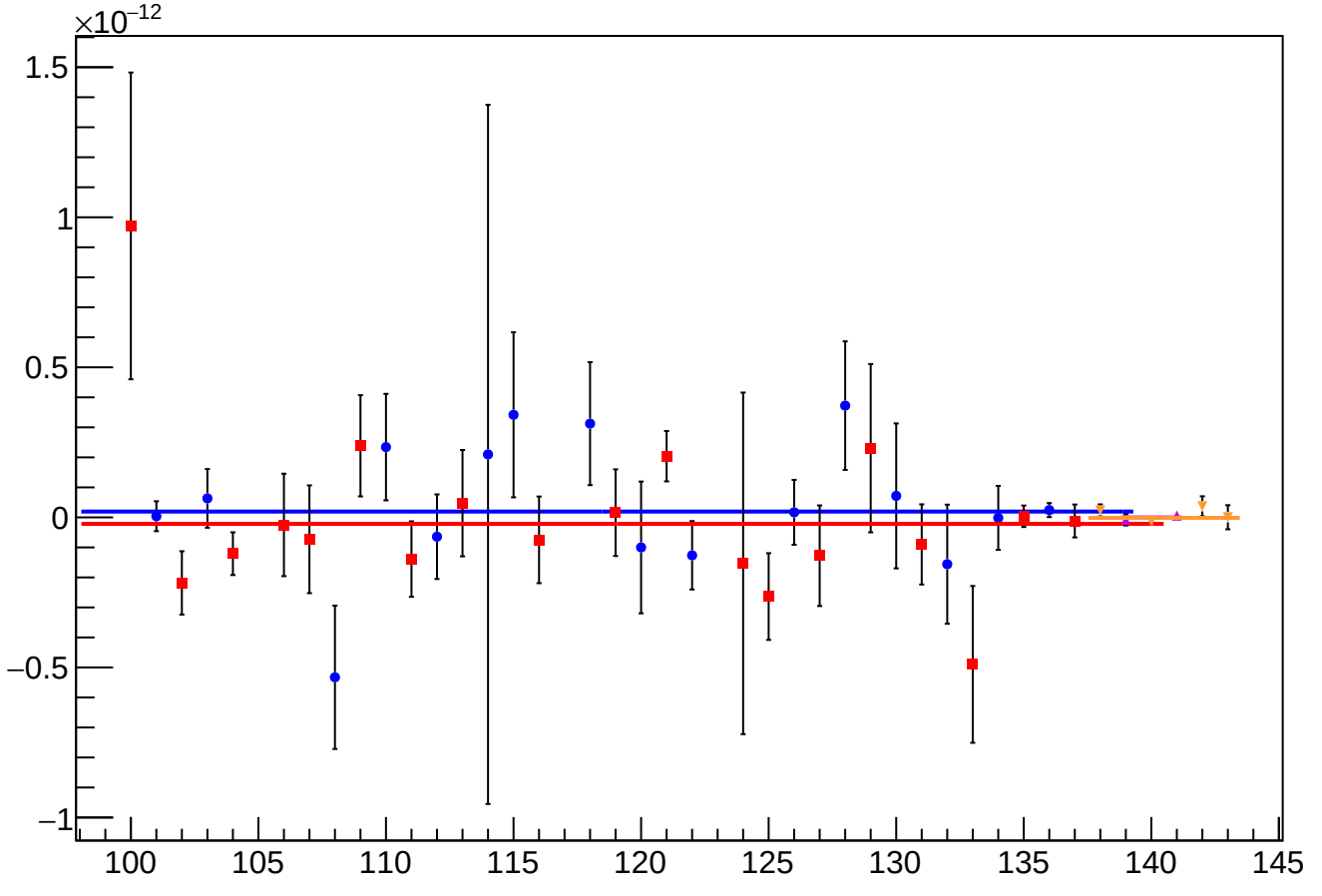
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 45.028+/-588.661 χ^2/NDF:21.5/17

Out: -39.025+/-558.282 χ^2/NDF:20.1/22

All: 0.777+/-405.079 χ^2/NDF: 41.7/40


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
145
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1542.343+/-0.655 χ²/NDF:211774.6/3
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1436.114+/-0.772 χ²/NDF:1630.3/1
Left: 1497.889+/-0.499 χ²/NDF: 224417.2/5
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1721.940+/-0.416 χ²/NDF:751654.7/17
Out: 1745.039+/-0.395 χ²/NDF:884398.2/22
All: 1734.101+/-0.286 χ²/NDF: 1637674.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

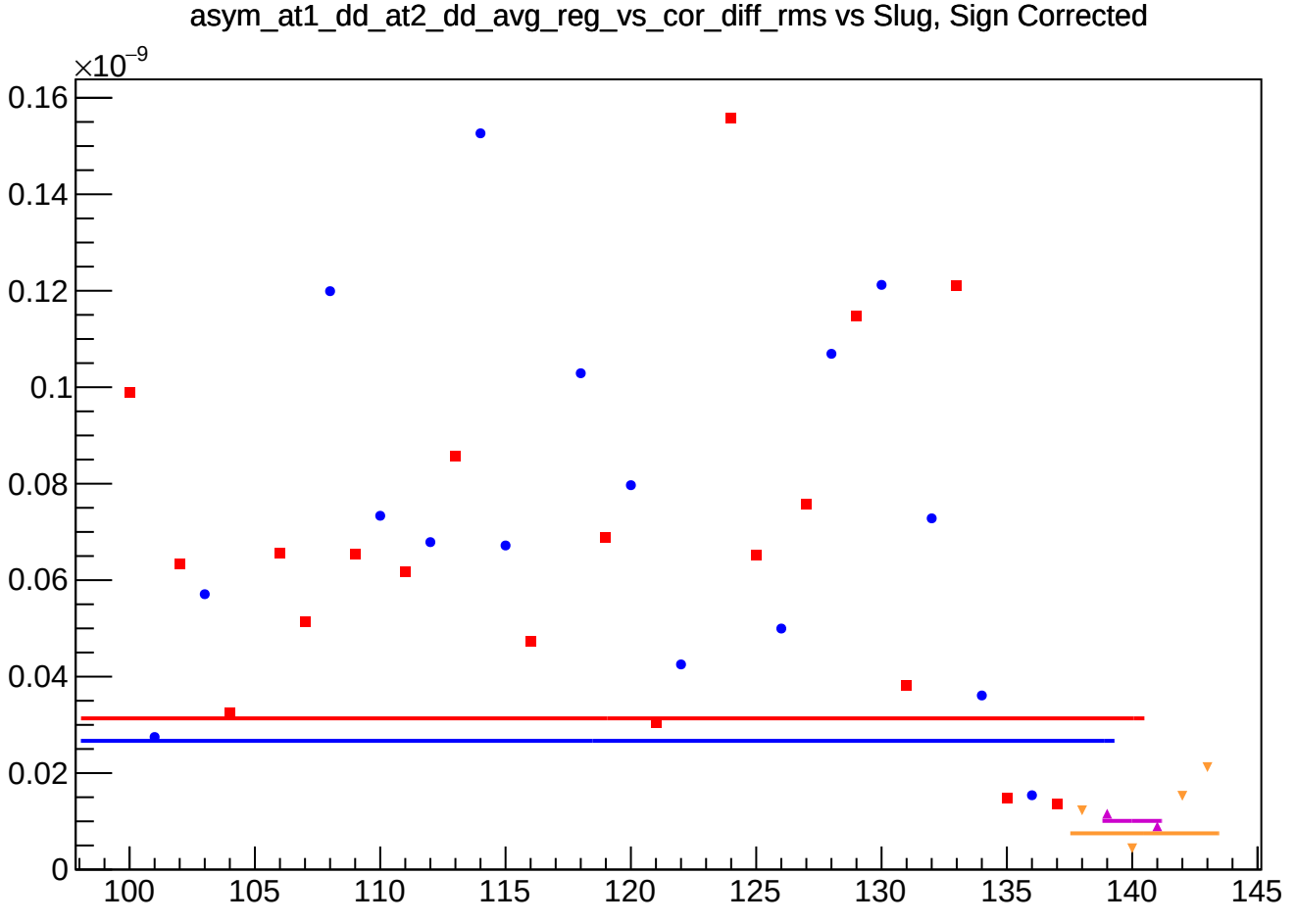
Left: -0.000+/-0.000 χ^2/NDF: 4.3/5

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:32.8/22

All: -0.000+/-0.000 χ^2/NDF: 51.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:623688.3/3

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: 703655.9/5

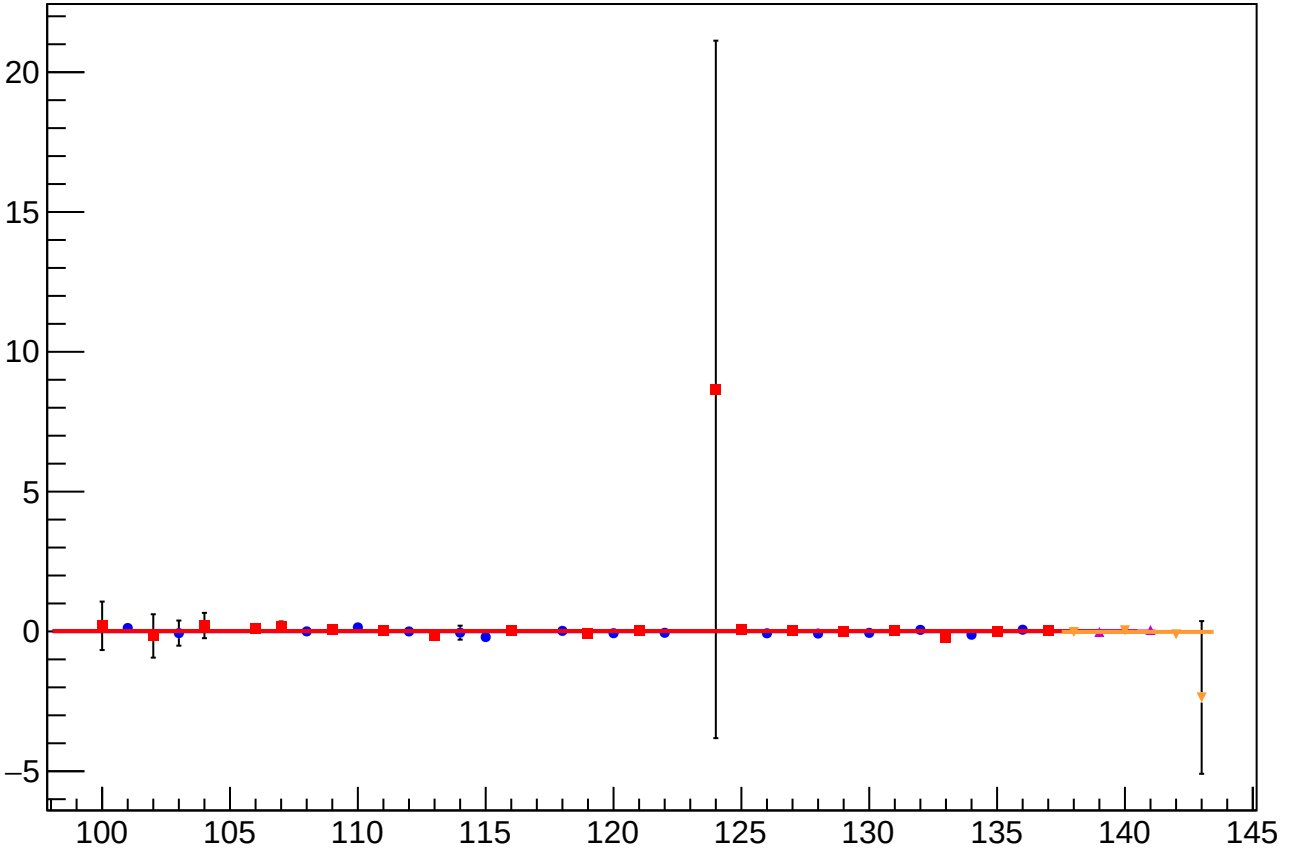
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:3690838.9/17

Out: 0.000+/-0.000 χ^2/NDF:4872465.0/22

All: 0.000+/-0.000 χ^2/NDF: 8778054.2/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

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: -0.010+/-0.017 χ^2/NDF: 4.6/5

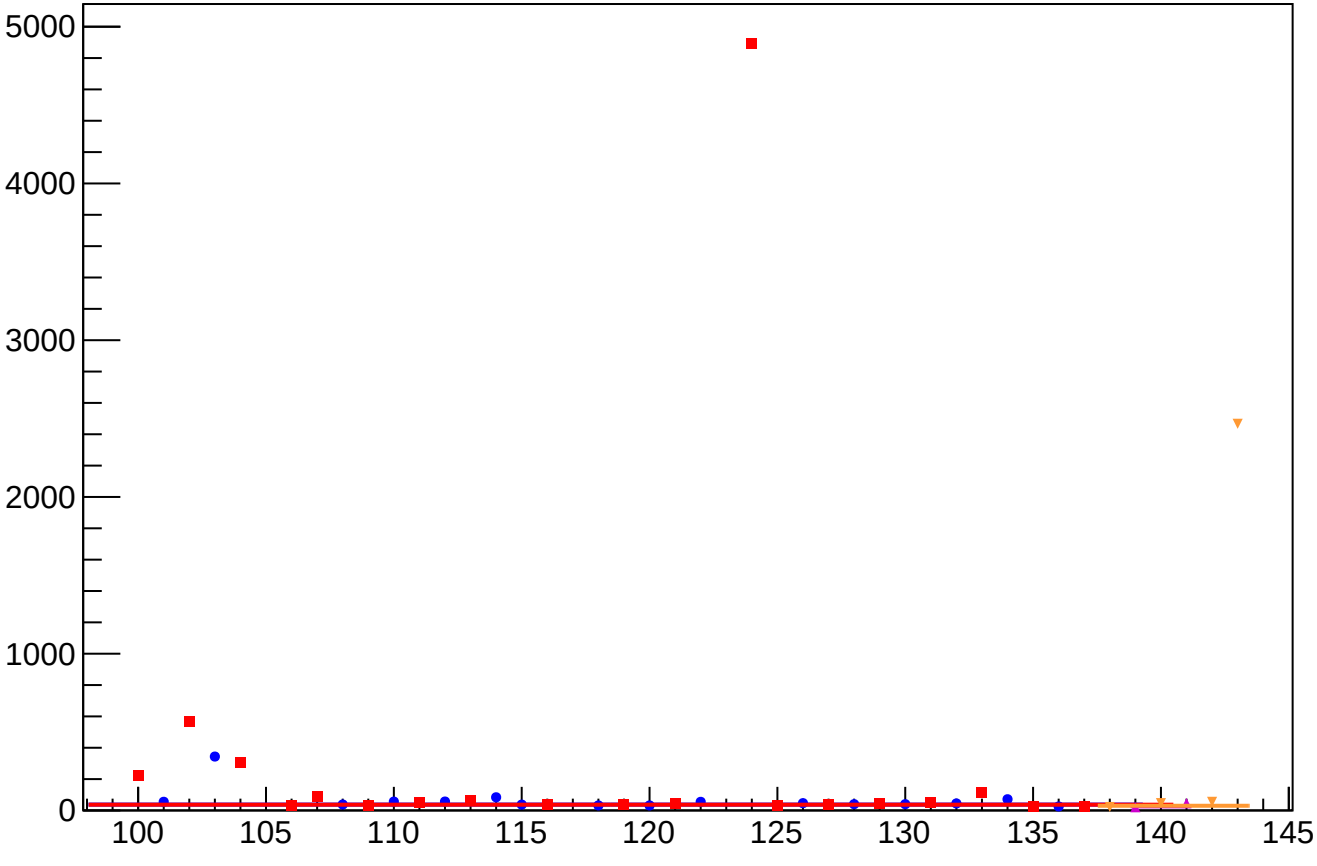
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40

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: 29.972+/-0.017 χ^2/NDF:2124121.6/3

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: 28.052+/-0.012 χ^2/NDF: 2566684.8/5

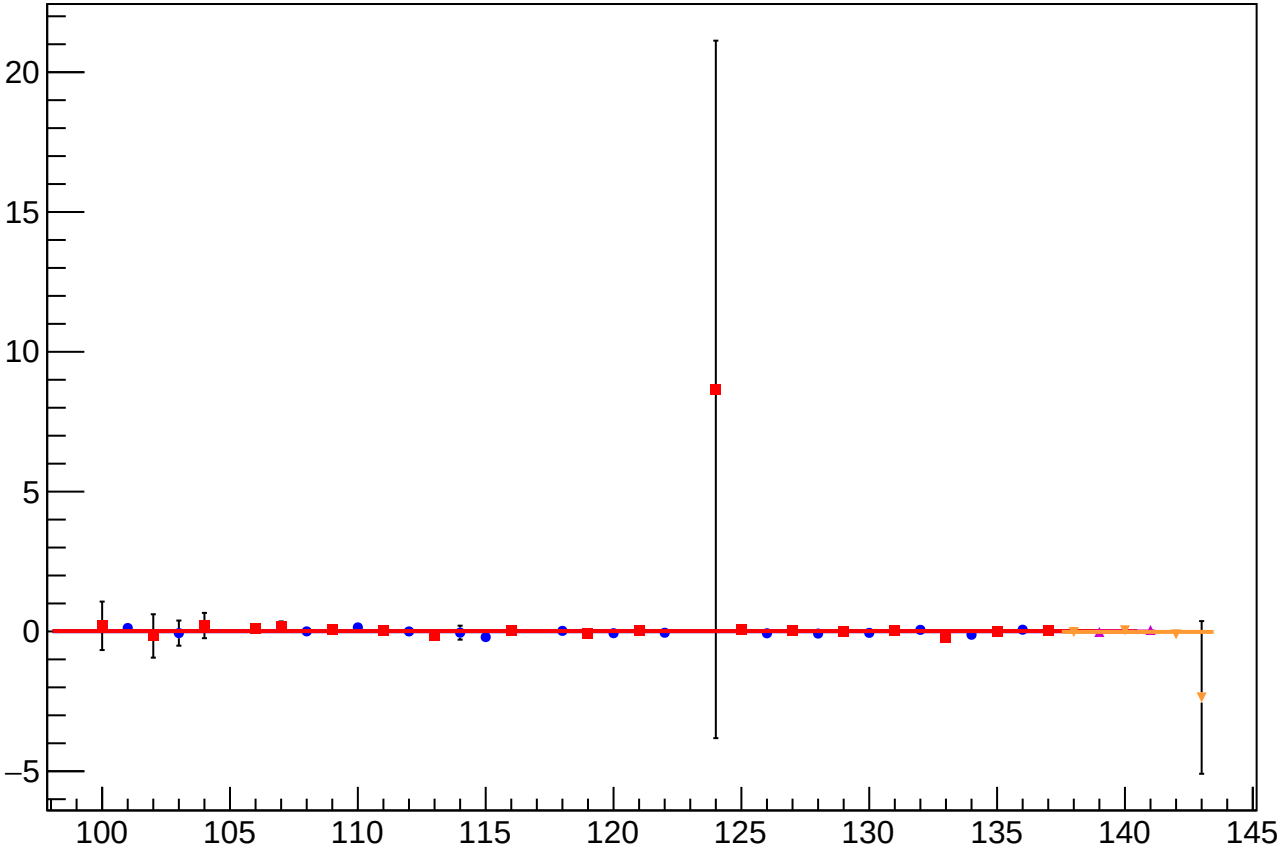
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

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: -0.010+/-0.017 χ^2/NDF: 4.6/5

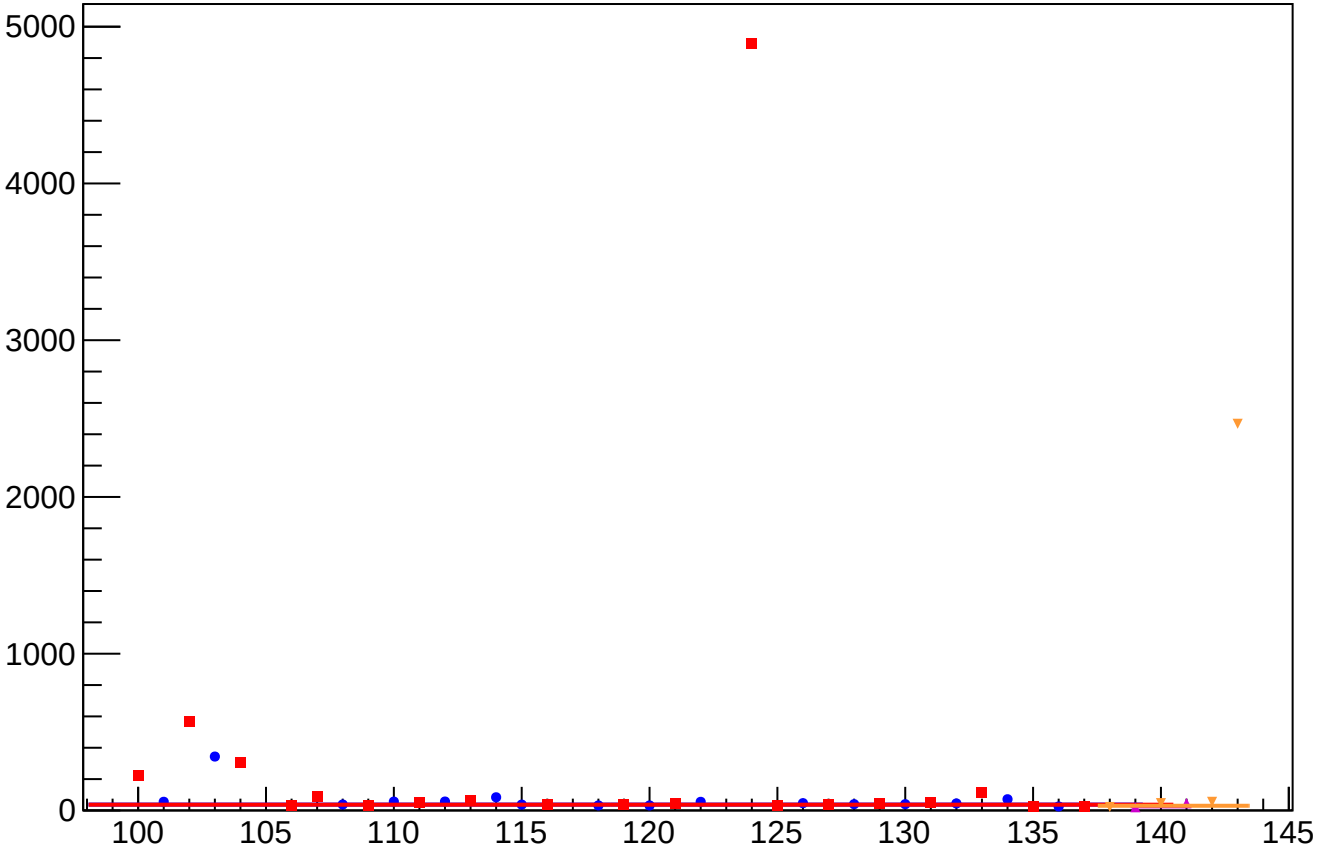
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40

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: 29.972+/-0.017 χ^2/NDF:2124121.6/3

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: 28.052+/-0.012 χ^2/NDF: 2566684.8/5

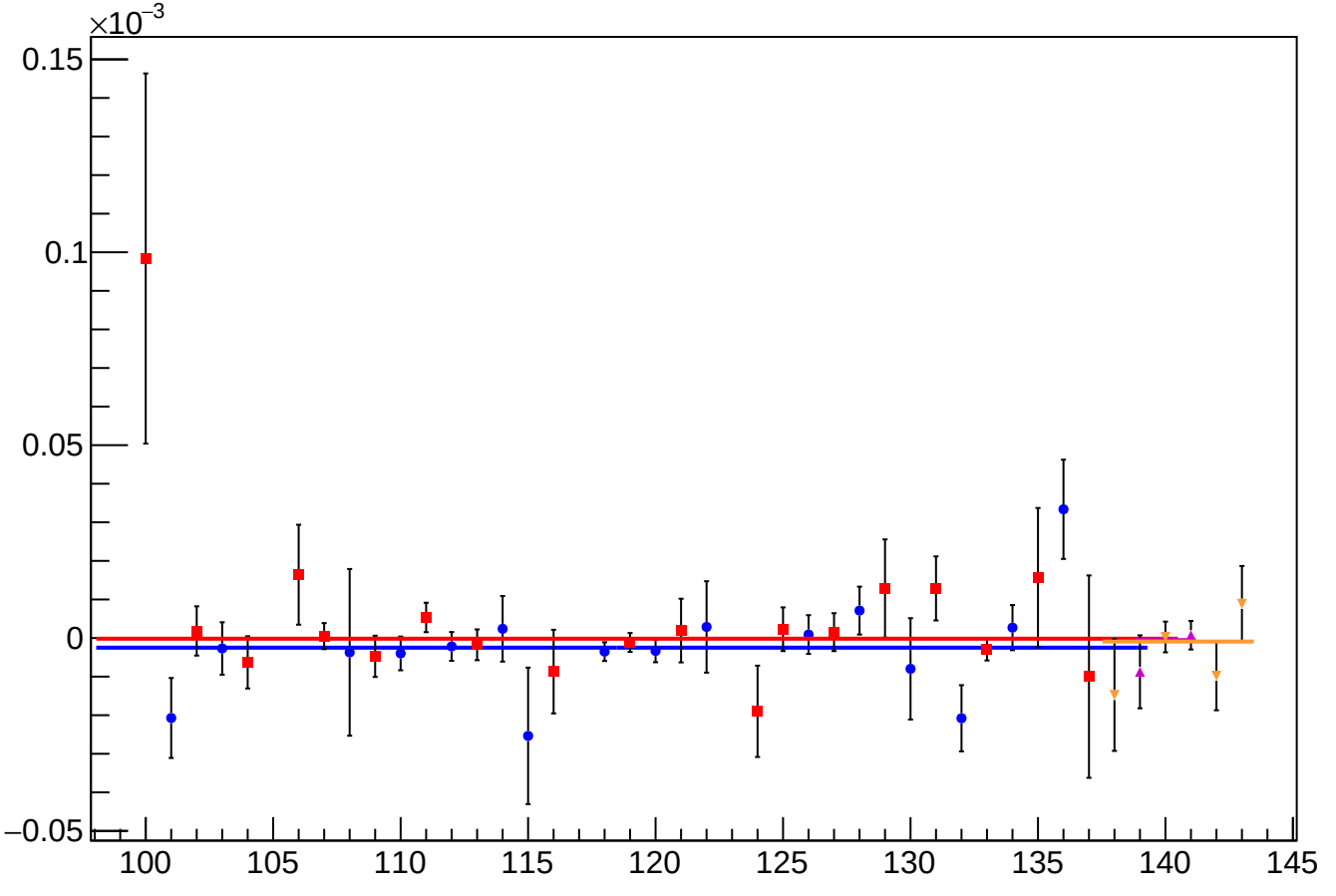
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.015+/-0.009 χ^2/NDF:2706564.2/17

Out: 34.589+/-0.010 χ^2/NDF:5422017.4/22

All: 34.295+/-0.007 χ^2/NDF: 8130378.4/40

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

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: 3.9/5

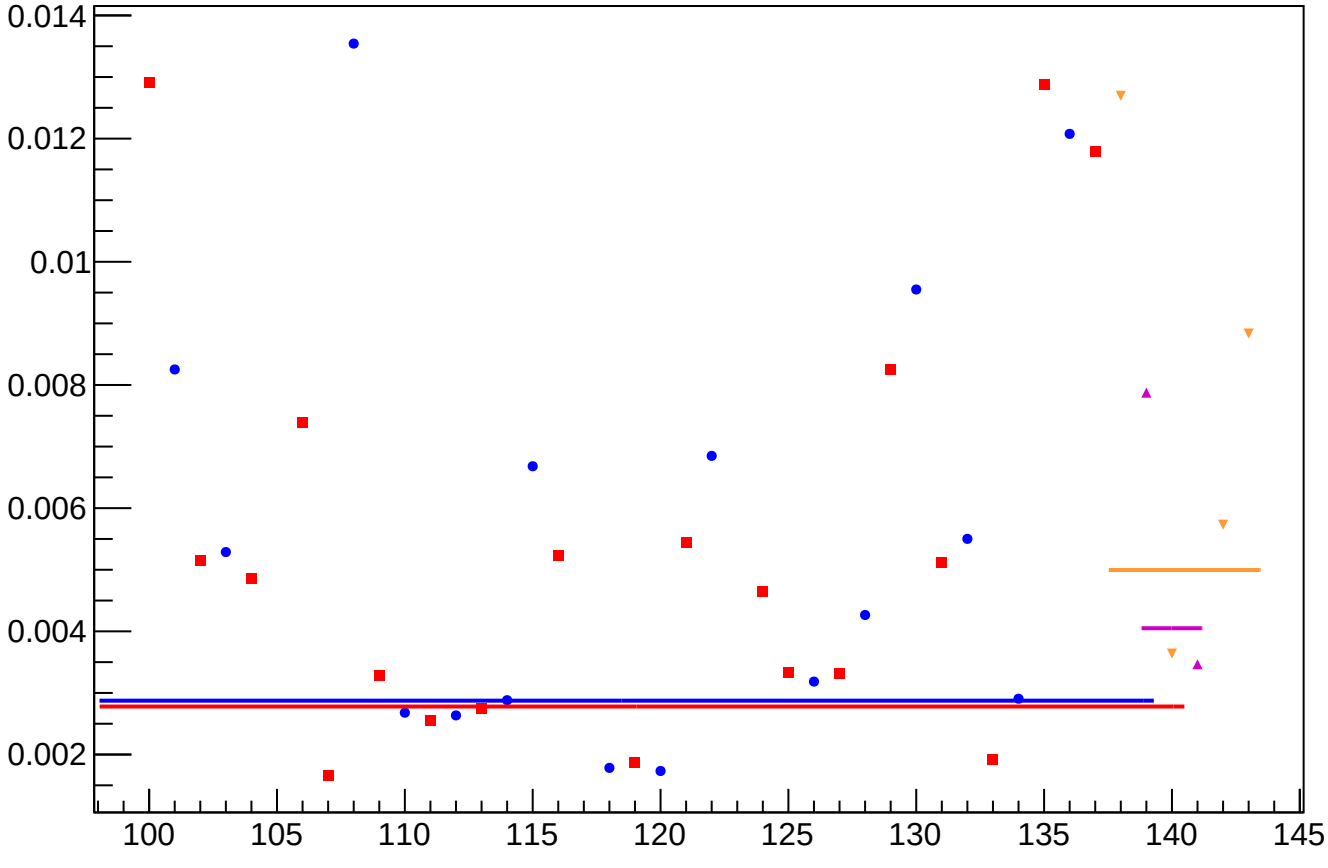
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.0/17

Out: -0.000+/-0.000 χ^2/NDF:21.9/22

All: -0.000+/-0.000 χ^2/NDF: 46.4/40

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: 0.005+/-0.000 χ^2/NDF:1117148.1/3

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: 0.005+/-0.000 χ^2/NDF: 1572604.3/5

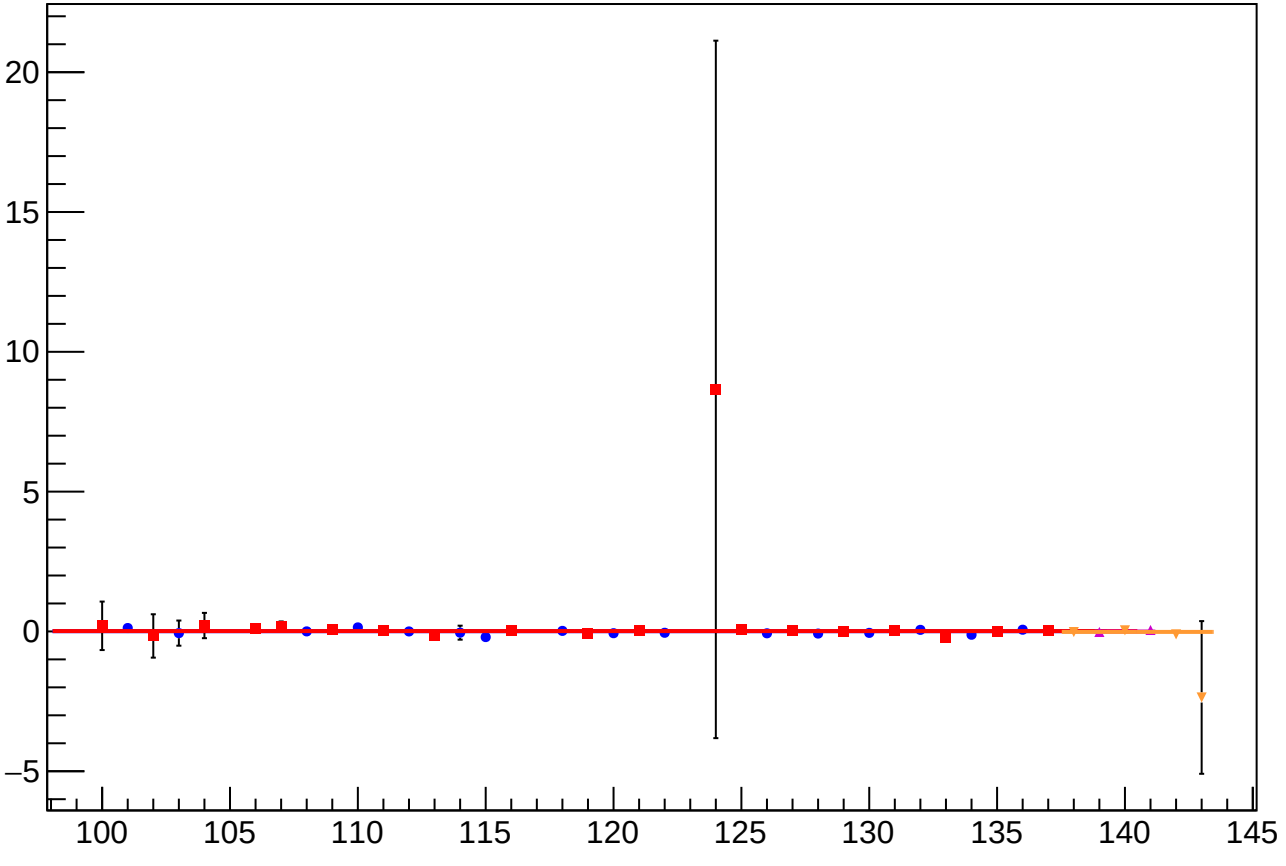
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4733338.9/17

Out: 0.003+/-0.000 χ^2/NDF:5221390.7/22

All: 0.003+/-0.000 χ^2/NDF: 9954738.5/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.024 χ^2/NDF:1.4/1

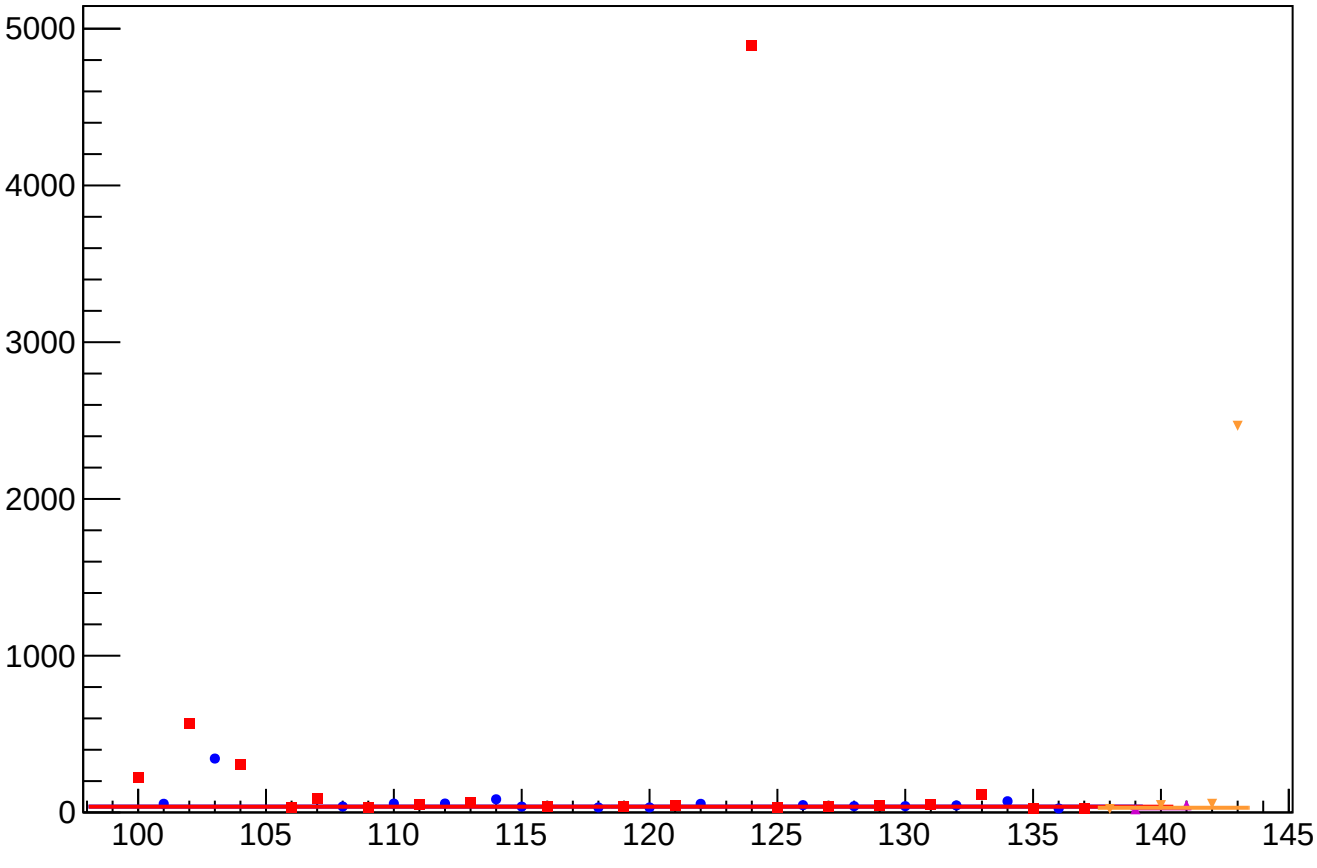
Left: -0.010+/-0.017 χ^2/NDF: 4.6/5

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 29.968+/-0.017 χ^2/NDF:2124424.0/3

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: 28.055+/-0.012 χ^2/NDF: 2566526.8/5

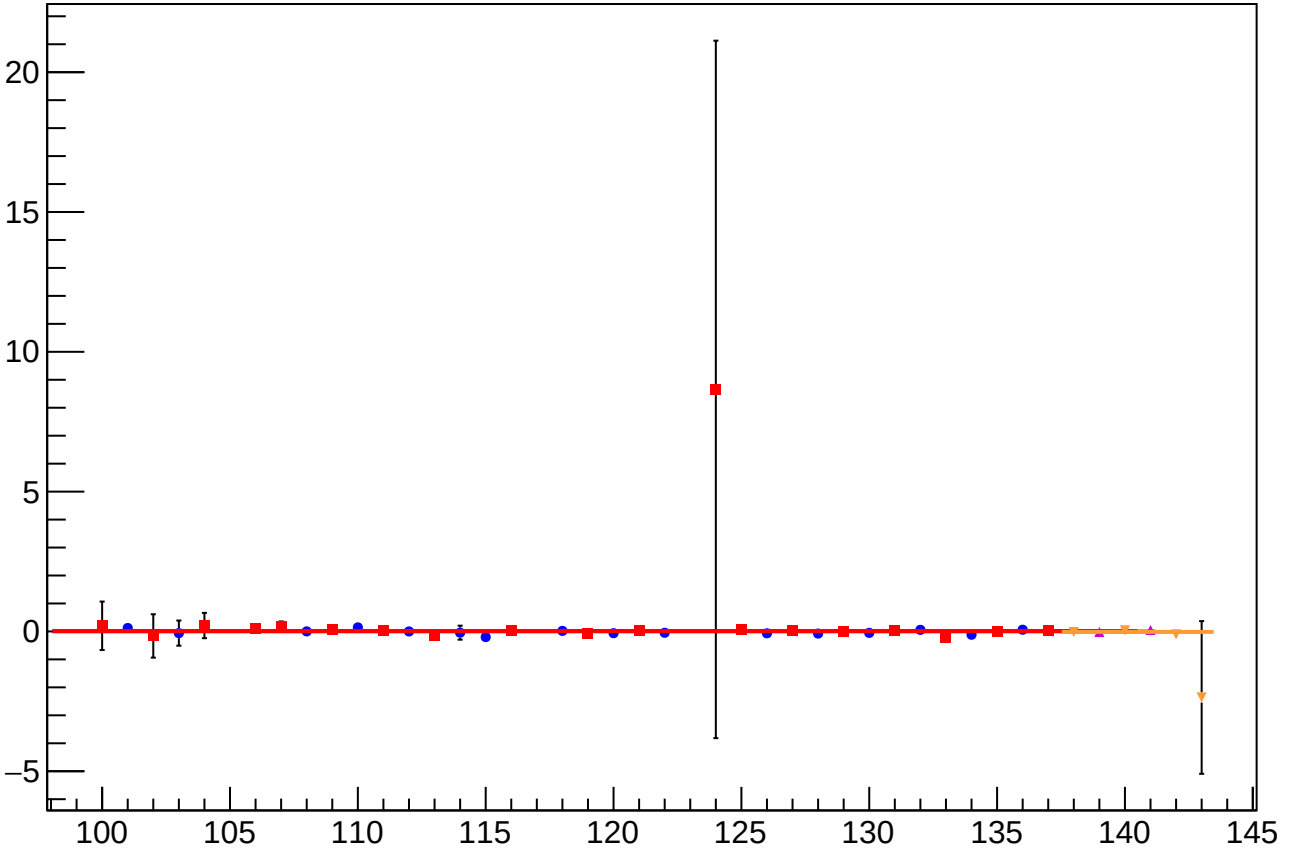
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40

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: -0.017+/-0.024 χ^2/NDF:3.0/3

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: -0.010+/-0.017 χ^2/NDF: 4.6/5

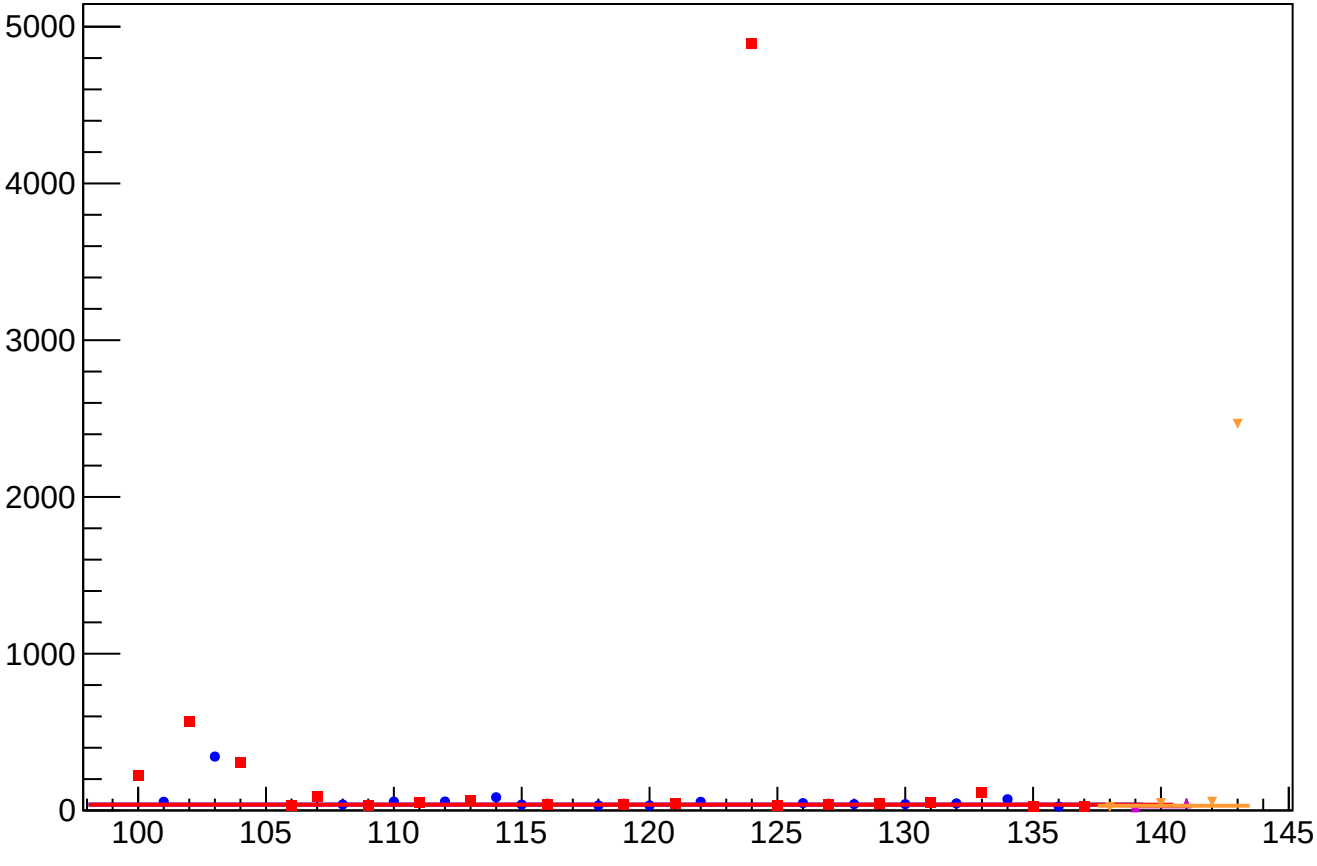
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.005+/-0.013 χ^2/NDF:20.9/17

Out: 0.003+/-0.014 χ^2/NDF:16.6/22

All: 0.004+/-0.010 χ^2/NDF: 37.5/40

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: 29.968+/-0.017 χ^2/NDF:2124424.0/3

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 26.140+/-0.017 χ^2/NDF:417082.2/1

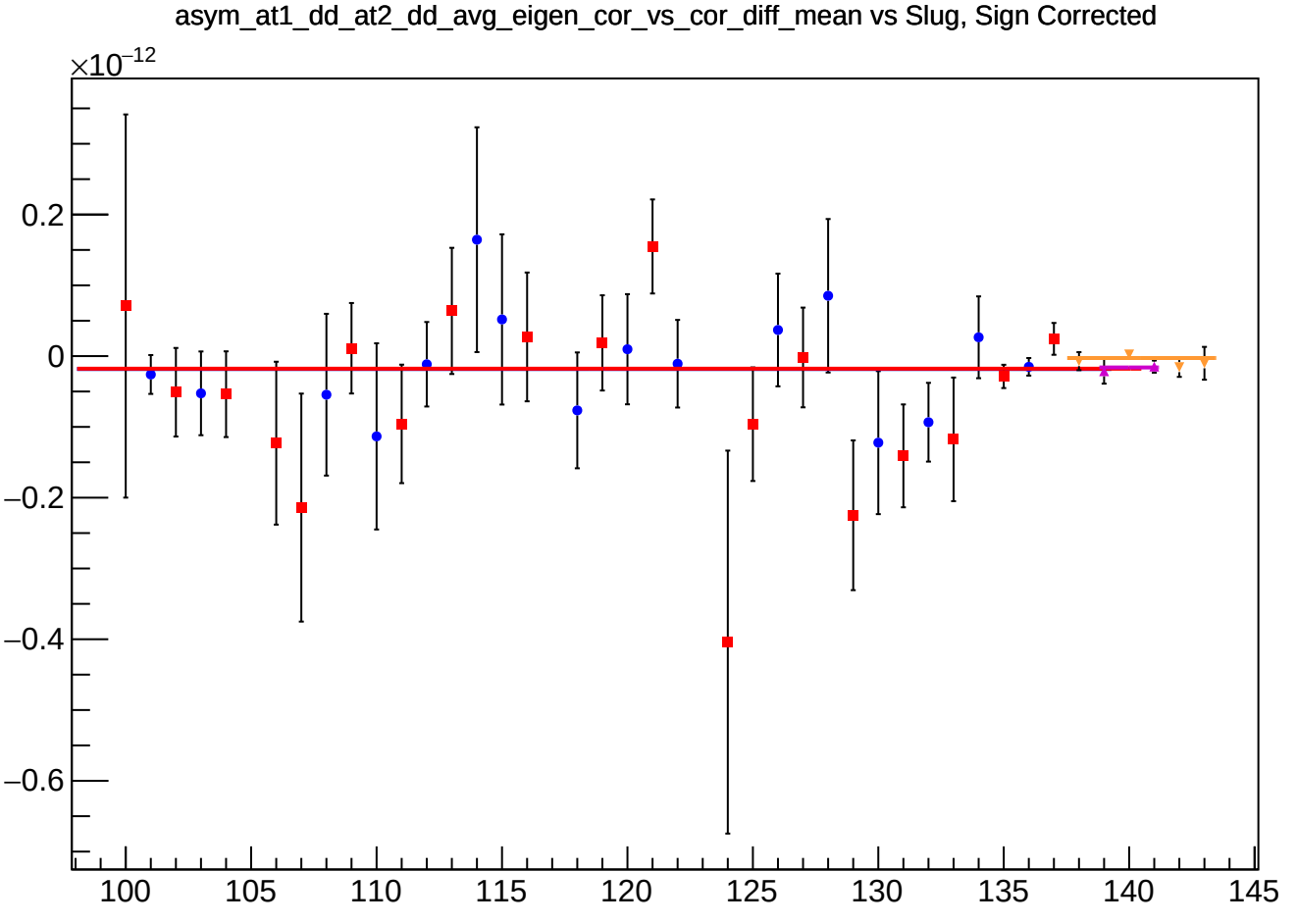
Left: 28.055+/-0.012 χ^2/NDF: 2566526.8/5

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.019+/-0.009 χ^2/NDF:2705627.8/17

Out: 34.588+/-0.010 χ^2/NDF:5422211.9/22

All: 34.297+/-0.007 χ^2/NDF: 8129606.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

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: 3.8/5

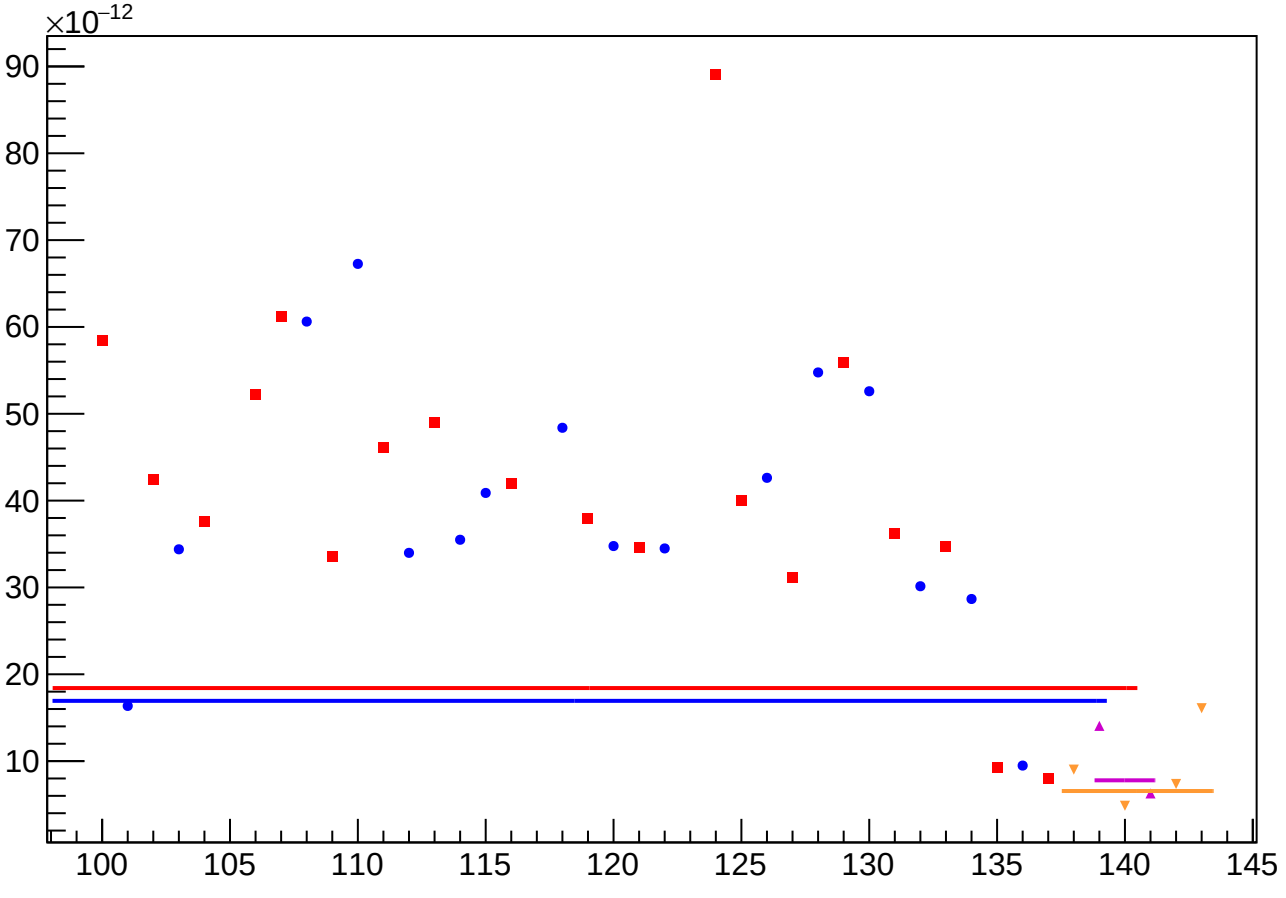
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:8.5/17

Out: -0.000+/-0.000 χ^2/NDF:30.5/22

All: -0.000+/-0.000 χ^2/NDF: 41.0/40

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547131.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:316105.3/1

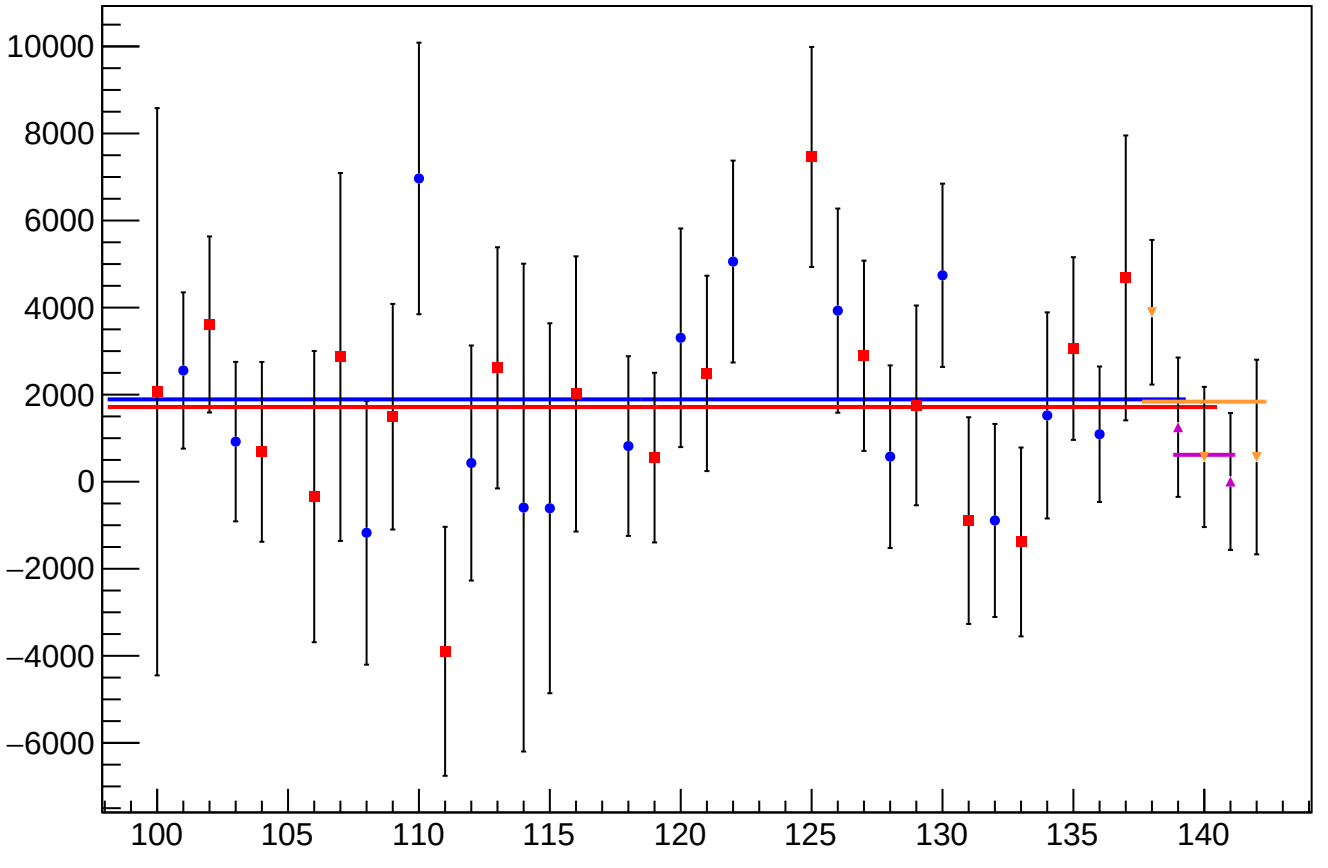
Left: 0.000+/-0.000 χ^2/NDF: 897627.9/5

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:6089741.1/22

All: 0.000+/-0.000 χ^2/NDF: 10874292.5/40



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.790+/-1027.211 χ^2/NDF:2.5/2

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 617.778+/-1121.714 χ^2/NDF:0.3/1

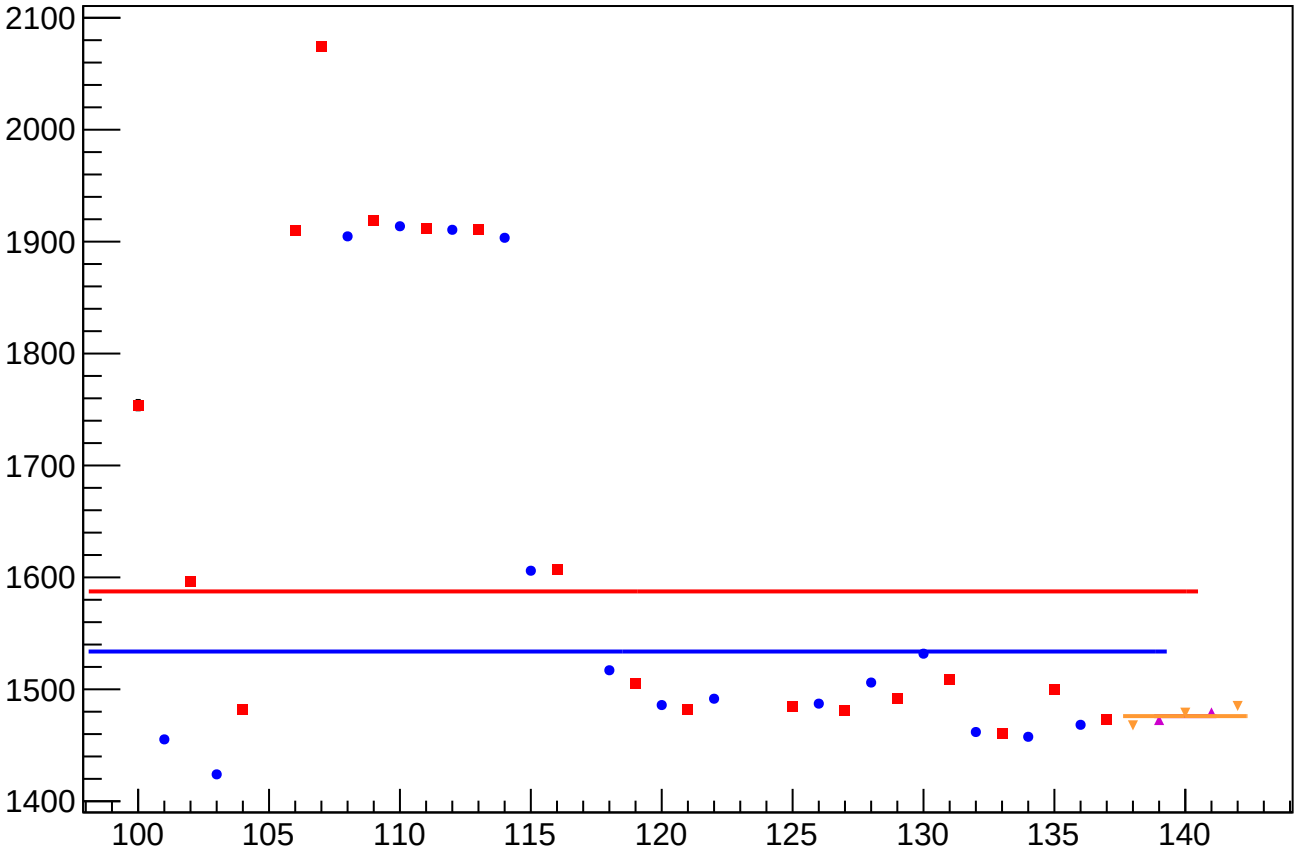
Left: 1281.877+/-757.558 χ^2/NDF: 3.4/4

Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1628.430+/-509.744 χ^2/NDF:13.6/17

Out: 1746.354+/-511.300 χ^2/NDF:18.5/20

All: 1687.213+/-360.992 χ^2/NDF: 32.0/38



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

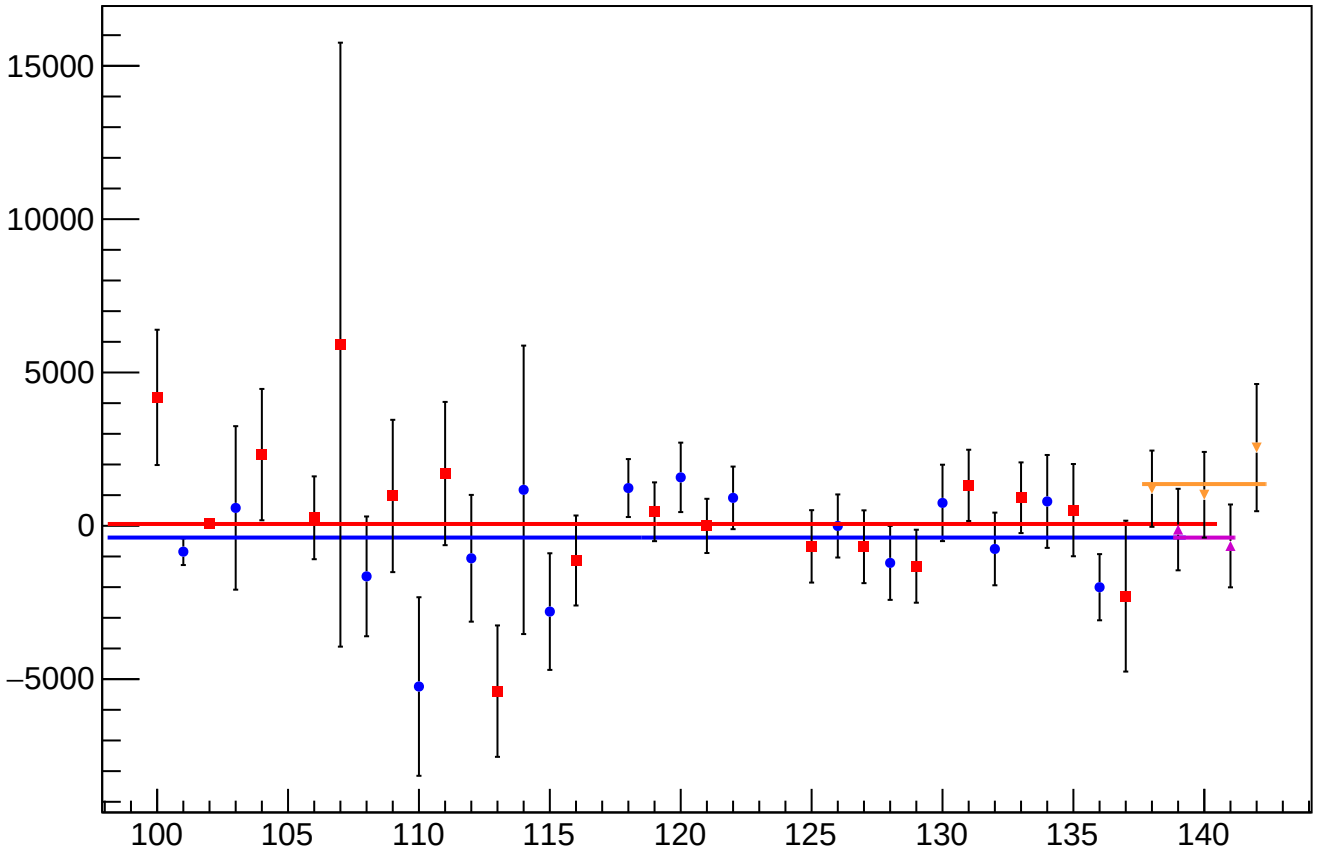
Left: 1476.048+/-0.536 χ^2/NDF: 108.0/4

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1521.849+/-0.360 χ^2/NDF:133493.4/17

Out: 1559.859+/-0.362 χ^2/NDF:189775.0/20

All: 1540.796+/-0.255 χ^2/NDF: 328811.5/38



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.339+/-847.581 χ^2/NDF:0.4/2

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -384.402+/-947.619 χ^2/NDF:0.1/1

Left: 585.448+/-631.748 χ^2/NDF: 2.4/4

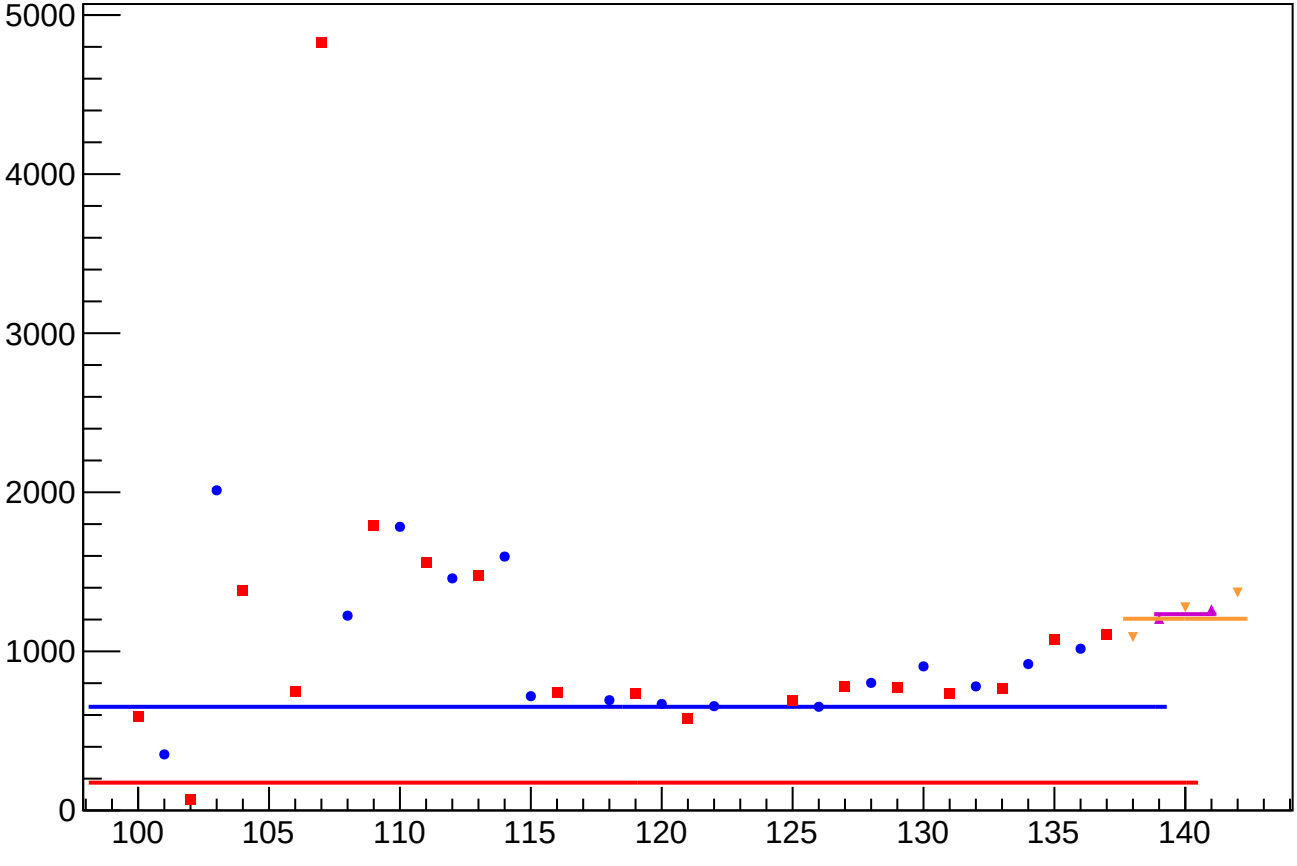
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -382.911+/-261.629 χ^2/NDF:18.3/17

Out: 88.856+/-126.275 χ^2/NDF:20.5/20

All: -0.279+/-113.722 χ^2/NDF: 41.4/38

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1205.068+/-0.599 χ^2/NDF:35119.1/2

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1233.965+/-0.670 χ^2/NDF:2028.3/1

Left: 1217.911+/-0.447 χ^2/NDF: 38180.6/4

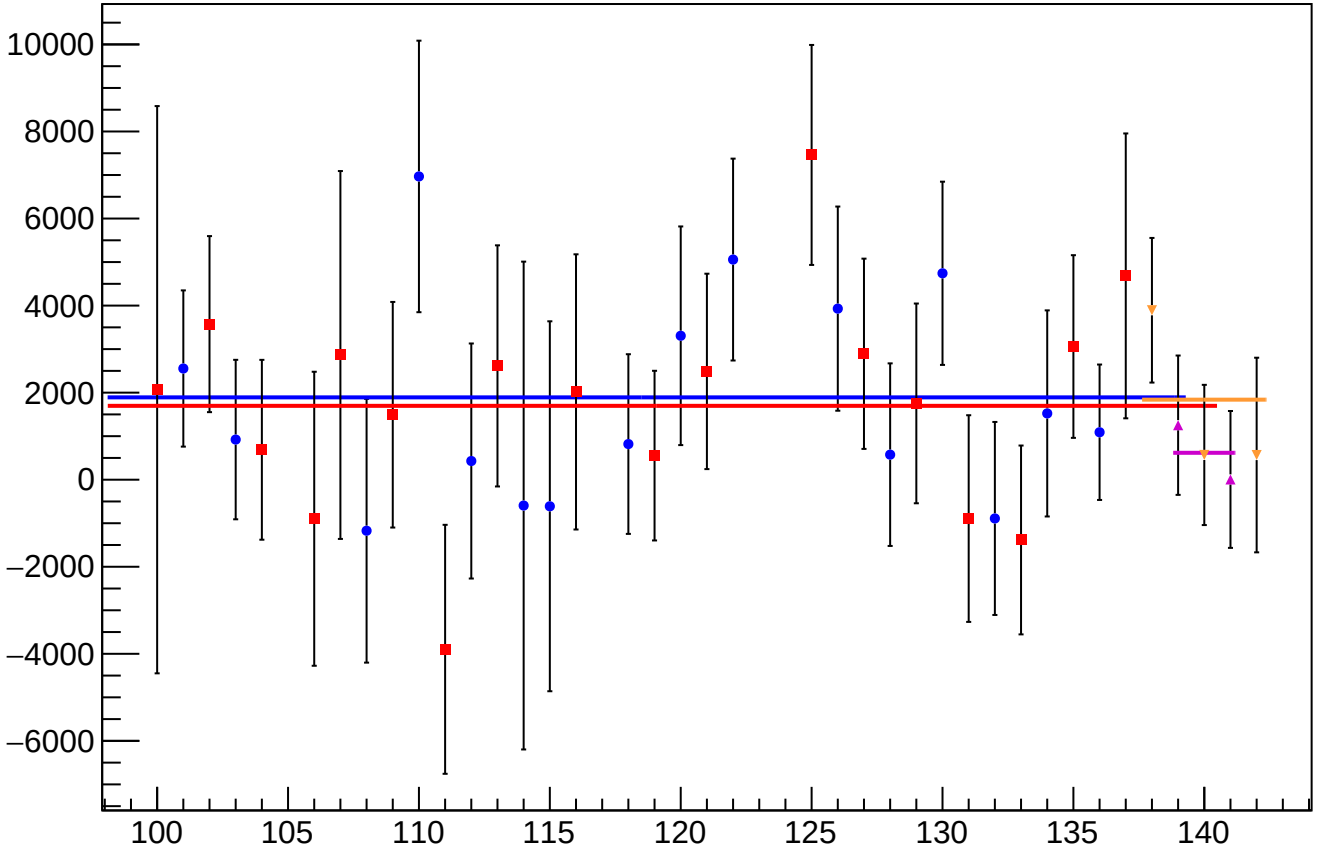
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 695.920+/-0.185 χ^2/NDF:3462650.5/17

Out: 197.764+/-0.089 χ^2/NDF:12685274.4/20

All: 291.885+/-0.080 χ^2/NDF: 22028834.6/38

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.858+/-1027.211 χ^2/NDF:2.5/2

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: 1282.029+/-757.558 χ^2/NDF: 3.4/4

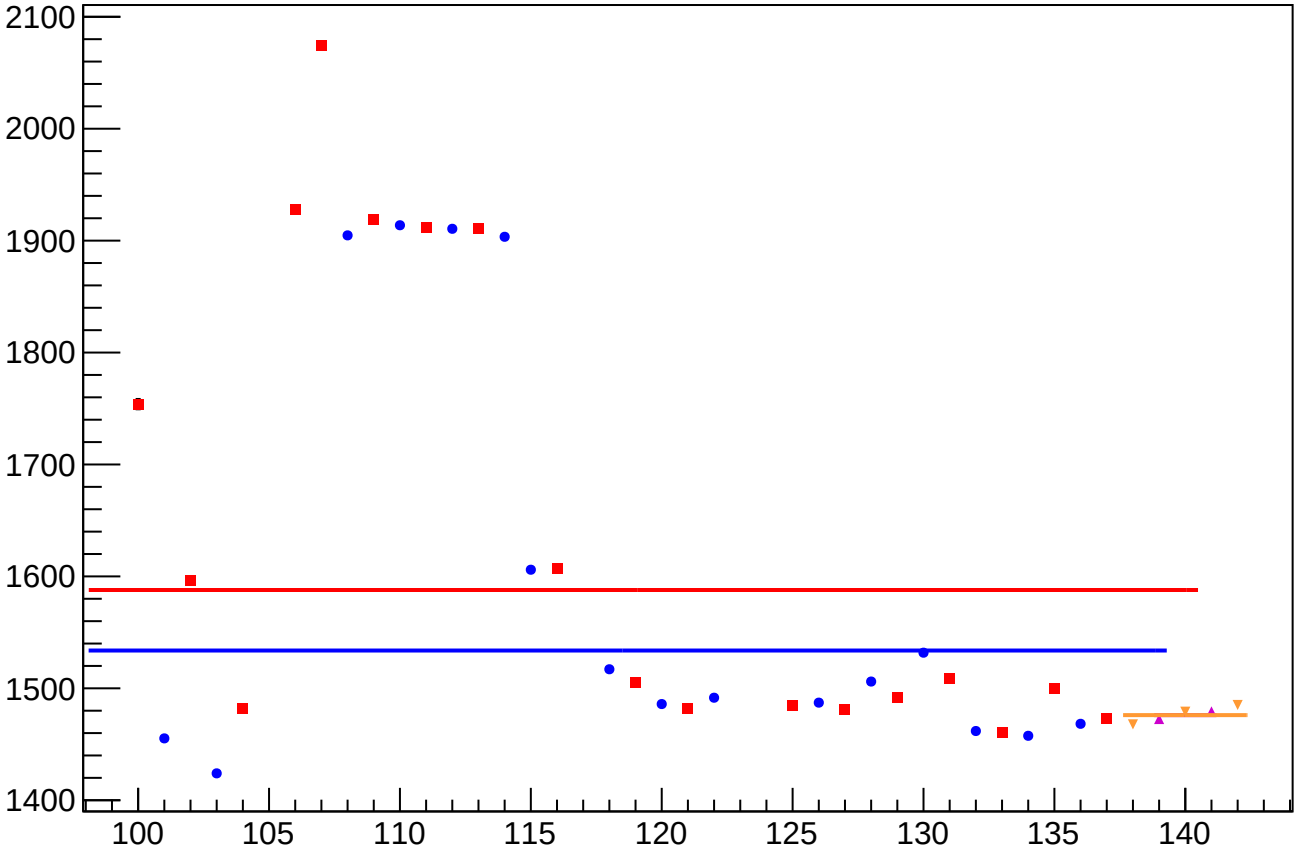
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1628.565+/-509.744 χ^2/NDF:13.6/17

Out: 1732.153+/-511.418 χ^2/NDF:18.6/20

All: 1680.190+/-361.034 χ^2/NDF: 32.2/38

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

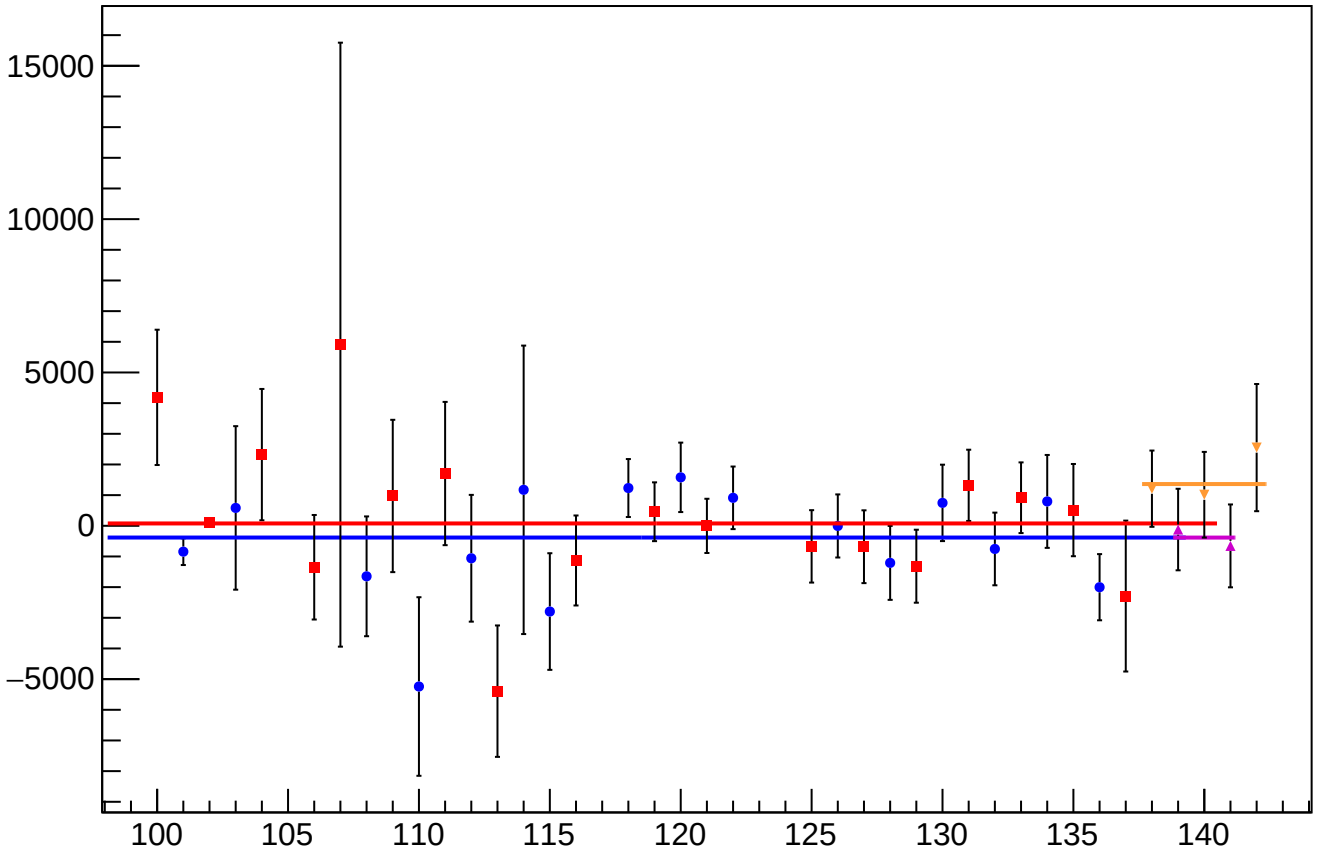
Left: 1476.048+/-0.536 χ^2/NDF: 108.0/4

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1521.849+/-0.360 χ^2/NDF:133493.3/17

Out: 1560.136+/-0.362 χ^2/NDF:191673.4/20

All: 1540.930+/-0.255 χ^2/NDF: 330789.5/38



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF:0.4/2

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -384.258+/-947.620 χ^2/NDF:0.1/1

Left: 585.565+/-631.749 χ^2/NDF: 2.4/4

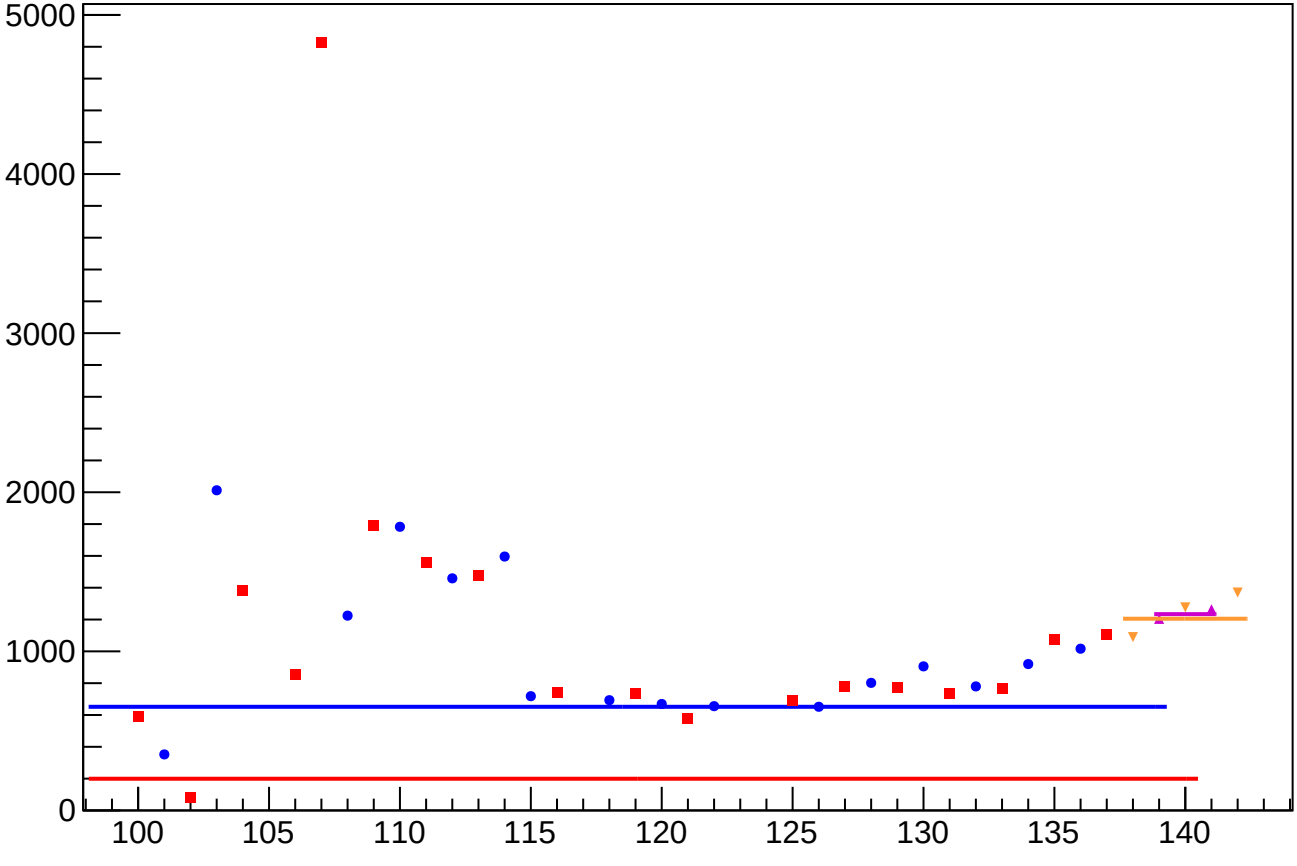
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -382.875+/-261.629 χ^2/NDF:18.3/17

Out: 109.994+/-136.338 χ^2/NDF:21.1/20

All: 4.735+/-120.907 χ^2/NDF: 42.2/38

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1205.073+/-0.599 χ^2/NDF:35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1233.967+/-0.670 χ^2/NDF:2027.8/1

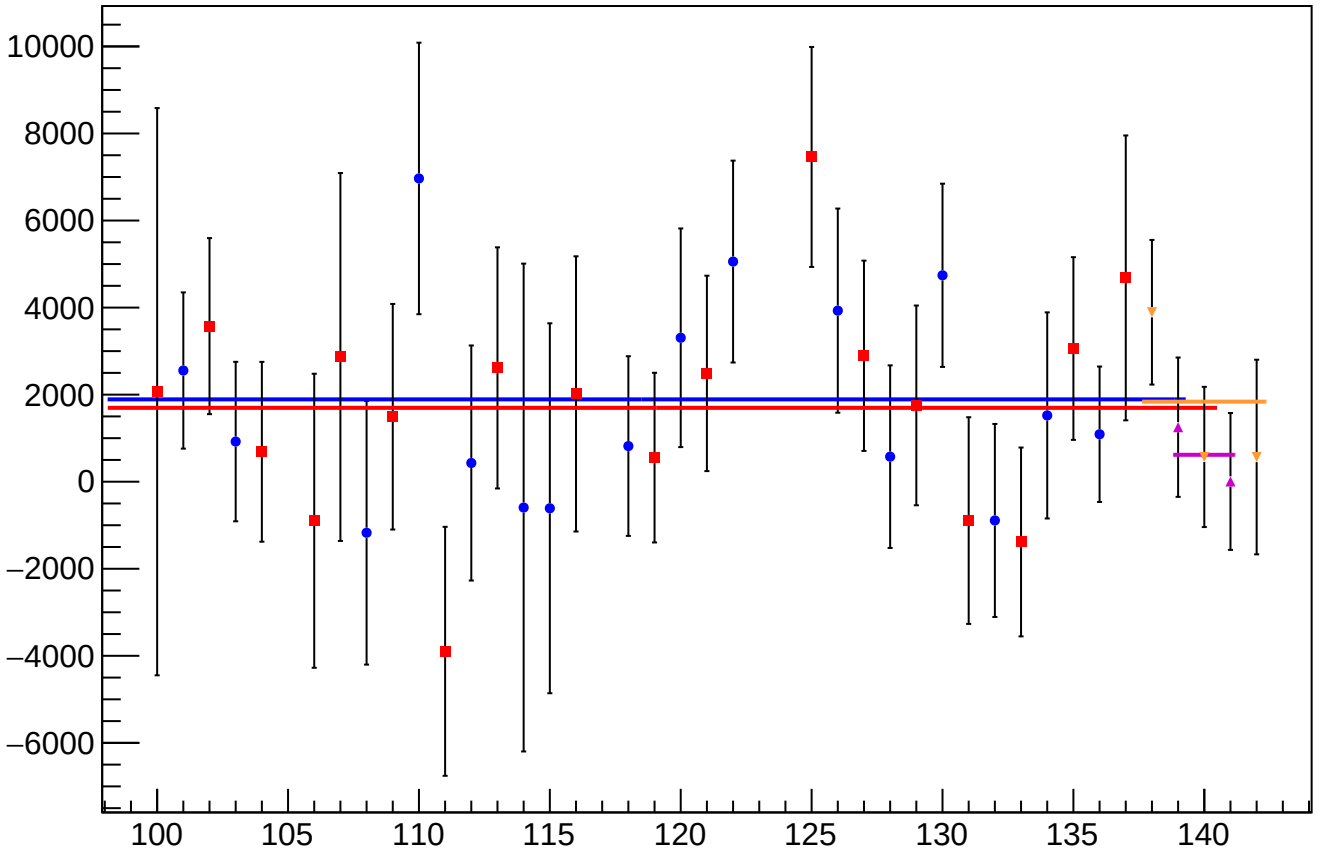
Left: 1217.915+/-0.447 χ^2/NDF: 38175.8/4

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 695.919+/-0.185 χ^2/NDF:3462681.2/17

Out: 225.366+/-0.096 χ^2/NDF:12063010.0/20

All: 325.860+/-0.085 χ^2/NDF: 20613594.3/38



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1838.858+/-1027.211 χ^2/NDF:2.5/2

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 618.030+/-1121.714 χ^2/NDF:0.3/1

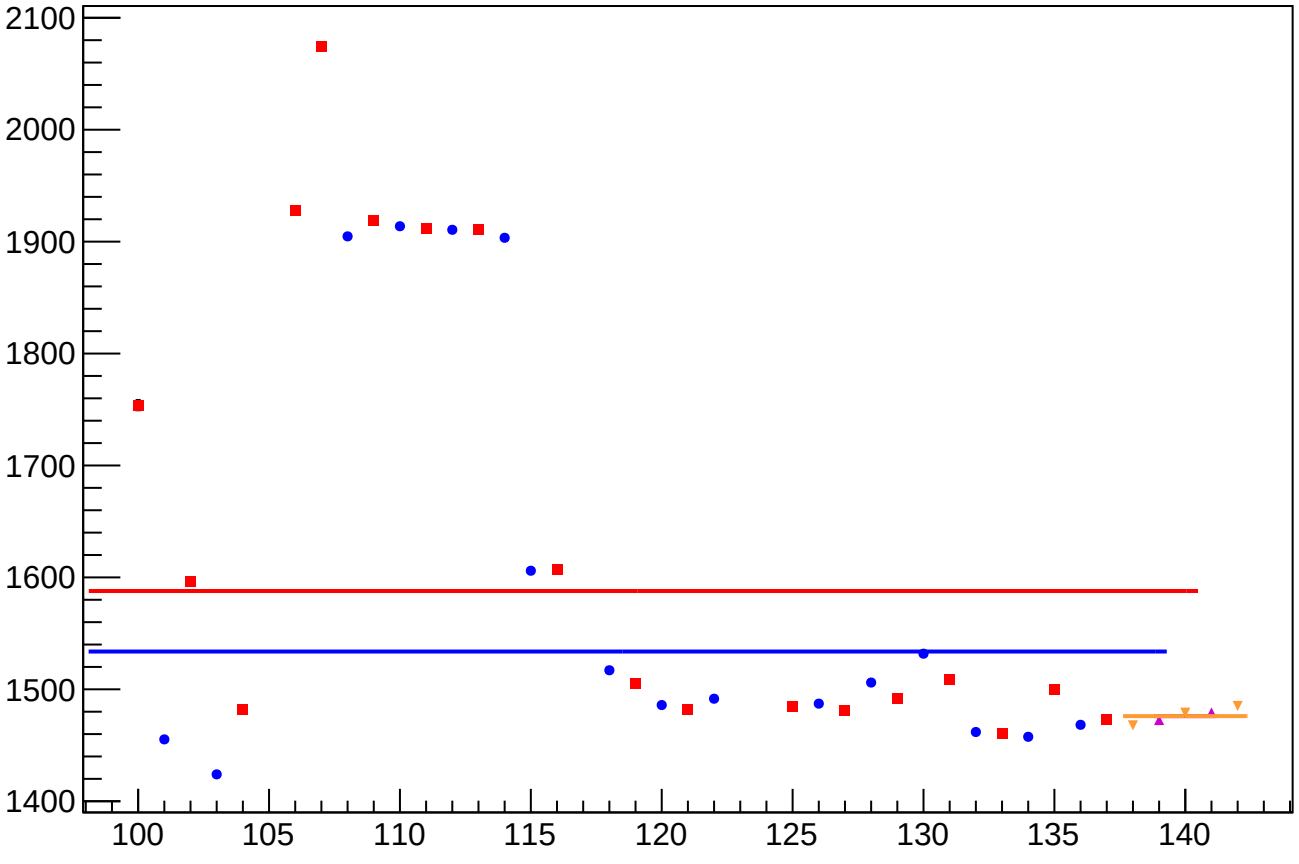
Left: 1282.029+/-757.558 χ^2/NDF: 3.4/4

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1628.565+/-509.744 χ^2/NDF:13.6/17

Out: 1732.153+/-511.418 χ^2/NDF:18.6/20

All: 1680.190+/-361.034 χ^2/NDF: 32.2/38



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1476.053+/-0.726 χ^2/NDF:89.6/2

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.042+/-0.793 χ^2/NDF:18.4/1

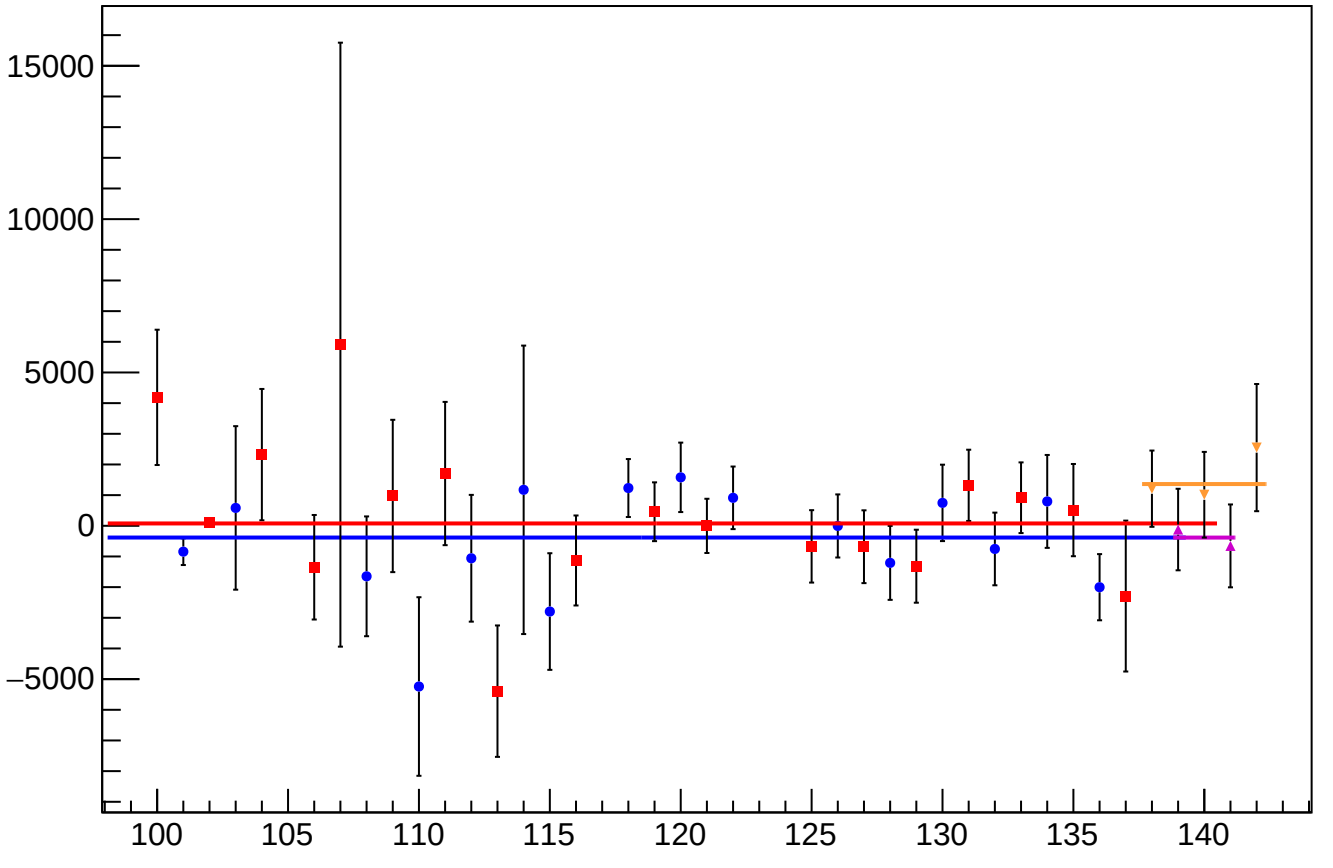
Left: 1476.048+/-0.536 χ^2/NDF: 108.0/4

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1521.849+/-0.360 χ^2/NDF:133493.3/17

Out: 1560.136+/-0.362 χ^2/NDF:191673.4/20

All: 1540.930+/-0.255 χ^2/NDF: 330789.5/38



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1361.434+/-847.584 χ^2/NDF:0.4/2

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -384.258+/-947.620 χ^2/NDF:0.1/1

Left: 585.565+/-631.749 χ^2/NDF: 2.4/4

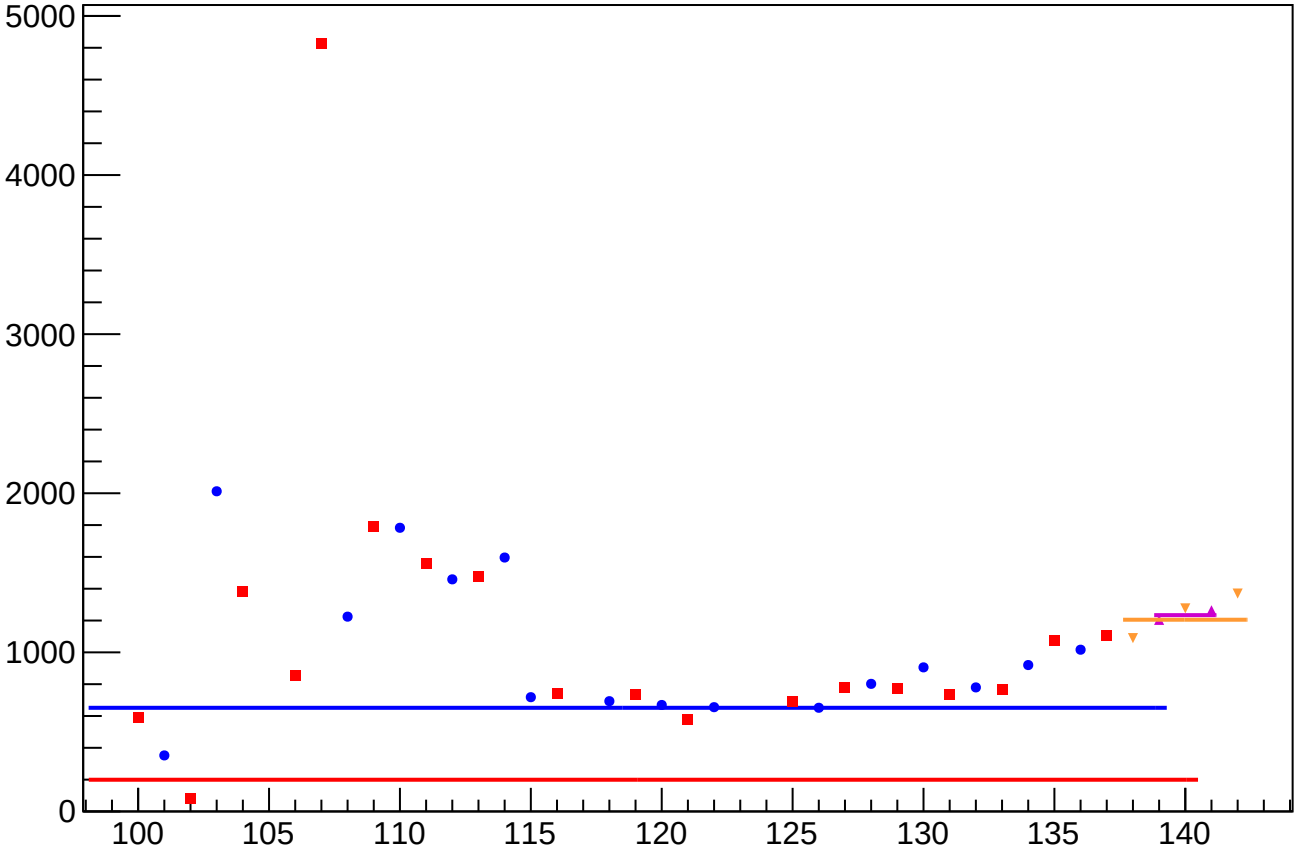
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -382.875+/-261.629 χ^2/NDF:18.3/17

Out: 109.994+/-136.338 χ^2/NDF:21.1/20

All: 4.735+/-120.907 χ^2/NDF: 42.2/38

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: 1205.073+/-0.599 χ^2/NDF:35115.0/2

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1233.967+/-0.670 χ^2/NDF:2027.8/1

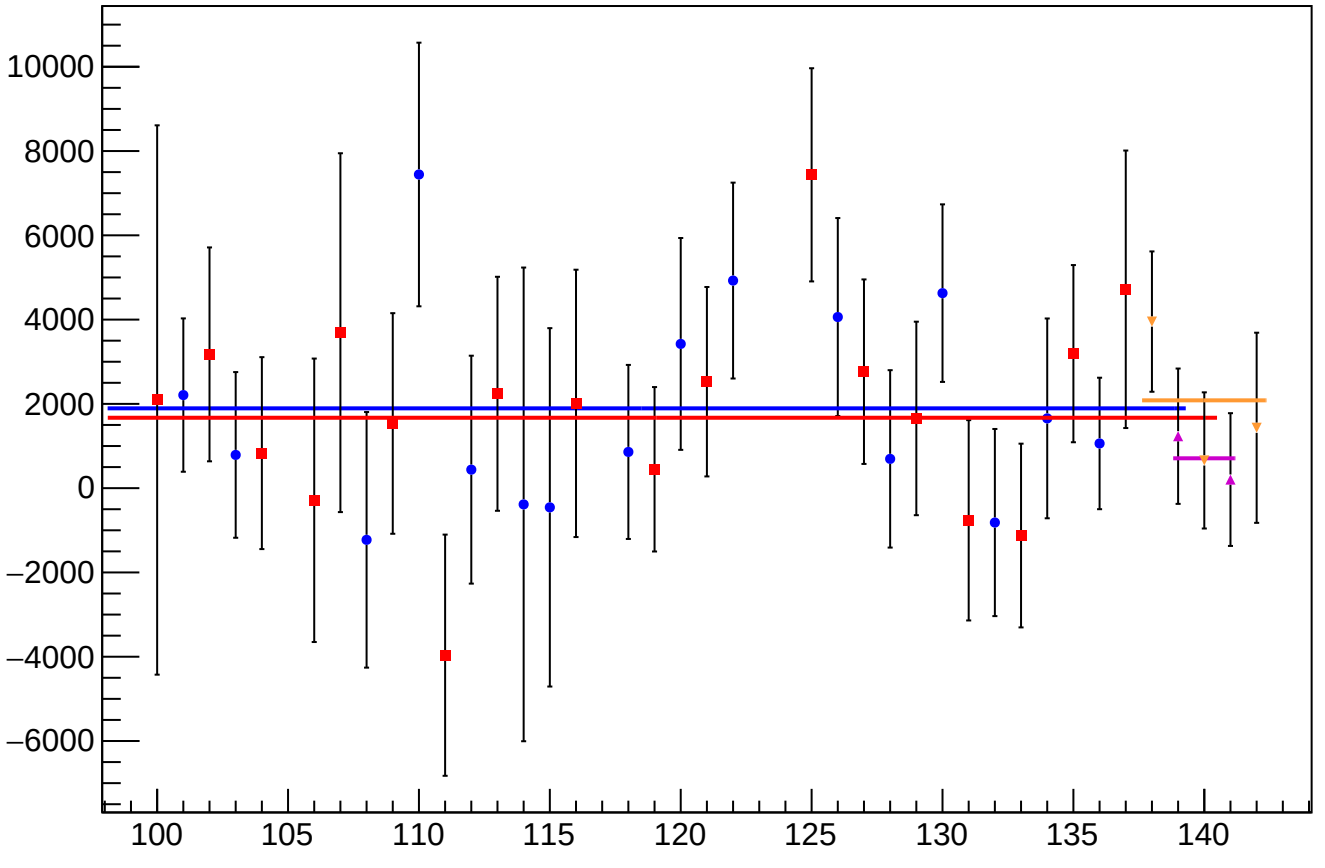
Left: 1217.915+/-0.447 χ^2/NDF: 38175.8/4

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 695.919+/-0.185 χ^2/NDF:3462681.2/17

Out: 225.366+/-0.096 χ^2/NDF:12063010.0/20

All: 325.860+/-0.085 χ^2/NDF: 20613594.3/38



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2083.960+/-1031.296 χ^2/NDF:2.1/2

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 708.640+/-1124.518 χ^2/NDF:0.2/1

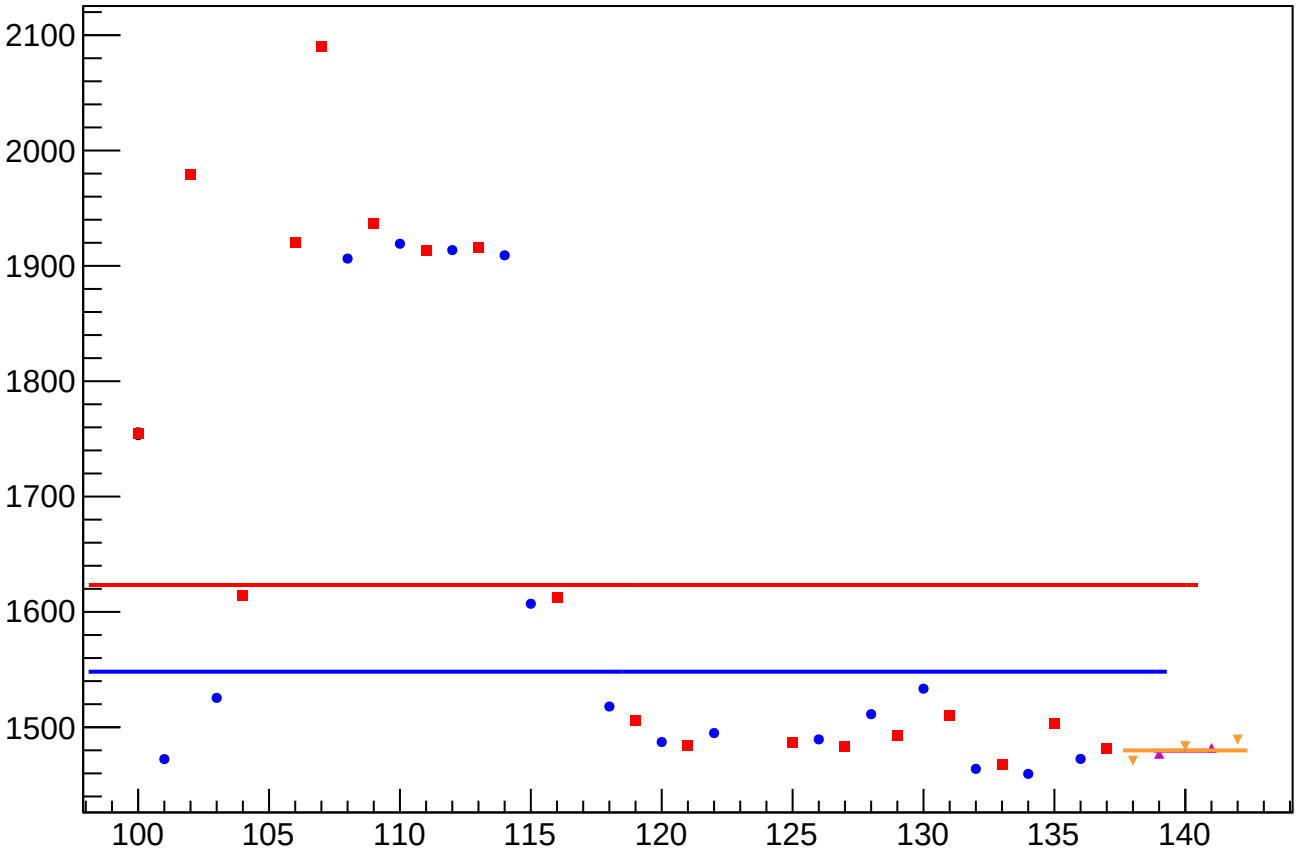
Left: 1455.661+/-760.060 χ^2/NDF: 3.1/4

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1646.667+/-513.809 χ^2/NDF:13.4/17

Out: 1776.640+/-521.730 χ^2/NDF:17.3/20

All: 1710.659+/-366.086 χ^2/NDF: 30.7/38



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1479.918+/-0.729 χ^2/NDF:102.6/2

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1479.603+/-0.795 χ^2/NDF:9.7/1

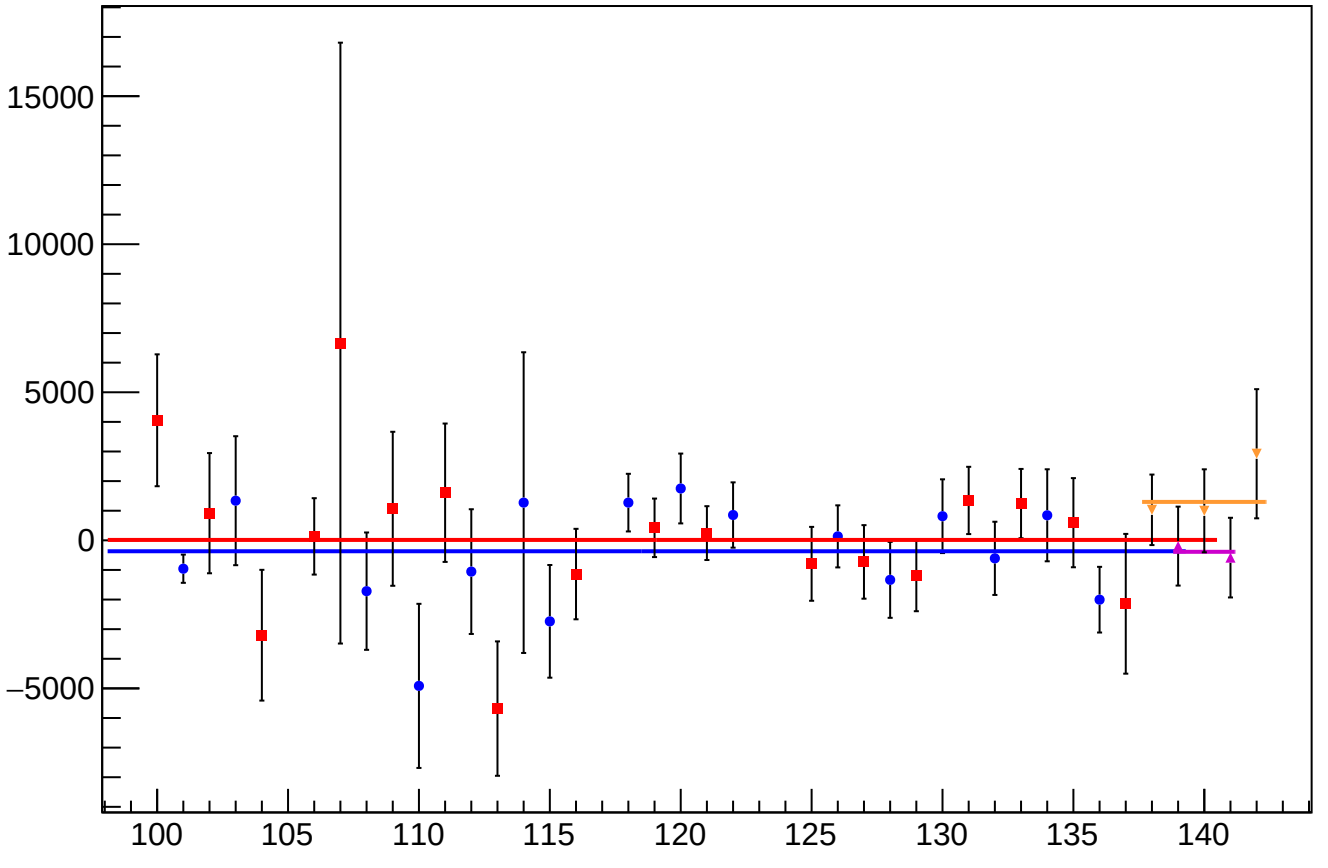
Left: 1479.774+/-0.537 χ^2/NDF: 112.4/4

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1533.858+/-0.363 χ^2/NDF:125799.2/17

Out: 1586.627+/-0.369 χ^2/NDF:240413.8/20

All: 1559.839+/-0.259 χ^2/NDF: 376599.1/38



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1297.790+/-837.705 χ^2/NDF:0.7/2

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -387.562+/-946.886 χ^2/NDF:0.0/1

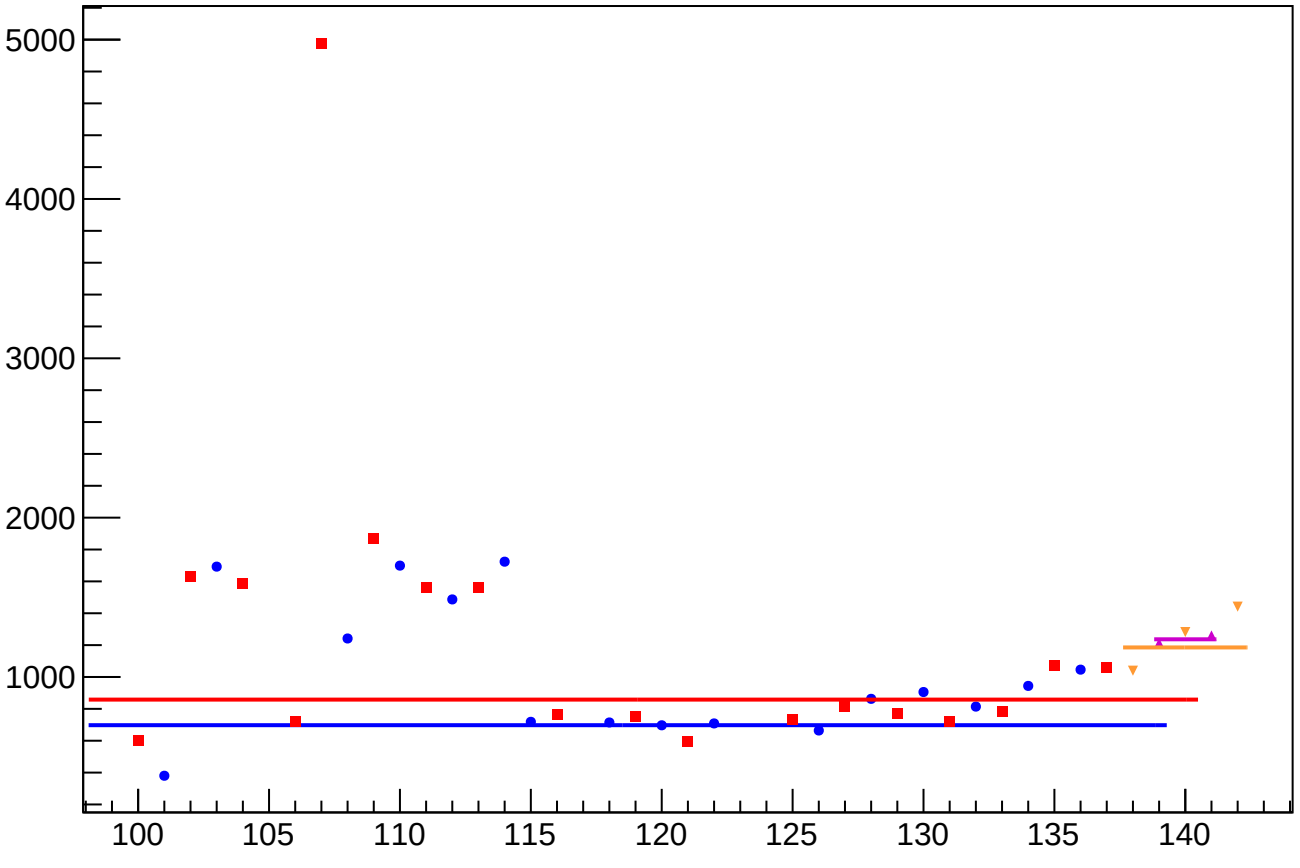
Left: 557.840+/-627.413 χ^2/NDF: 2.5/4

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -370.290+/-274.290 χ^2/NDF:18.9/17

Out: 196.778+/-316.287 χ^2/NDF:21.7/20

All: -126.879+/-207.221 χ^2/NDF: 42.5/38



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1185.454+/-0.592 χ^2/NDF:67097.0/2

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1236.564+/-0.670 χ^2/NDF:1289.3/1

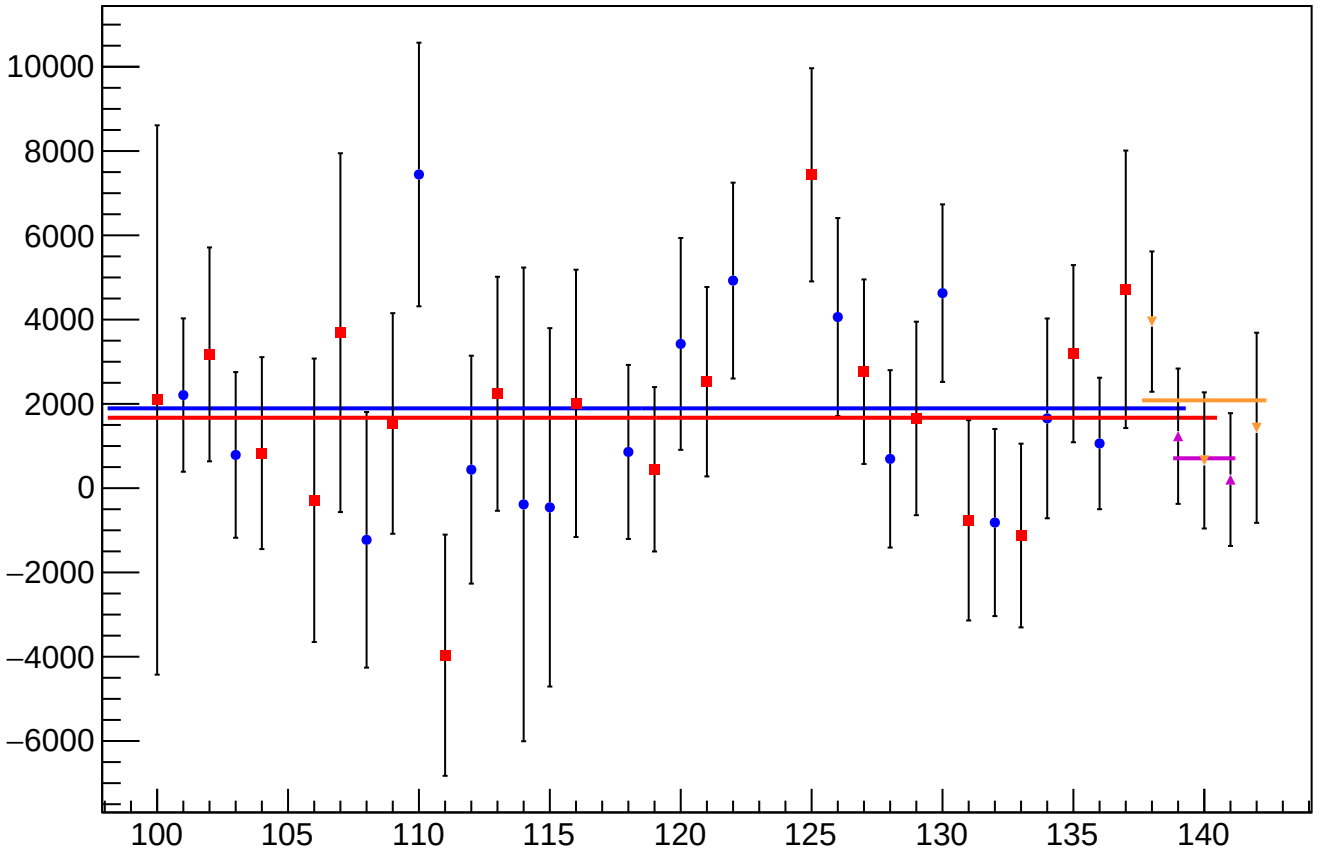
Left: 1207.894+/-0.444 χ^2/NDF: 71654.9/4

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 742.749+/-0.194 χ^2/NDF:3030670.3/17

Out: 904.762+/-0.224 χ^2/NDF:2211141.2/20

All: 812.292+/-0.147 χ^2/NDF: 5541324.4/38



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2083.962+/-1031.296 χ^2/NDF:2.1/2

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 708.641+/-1124.518 χ^2/NDF:0.2/1

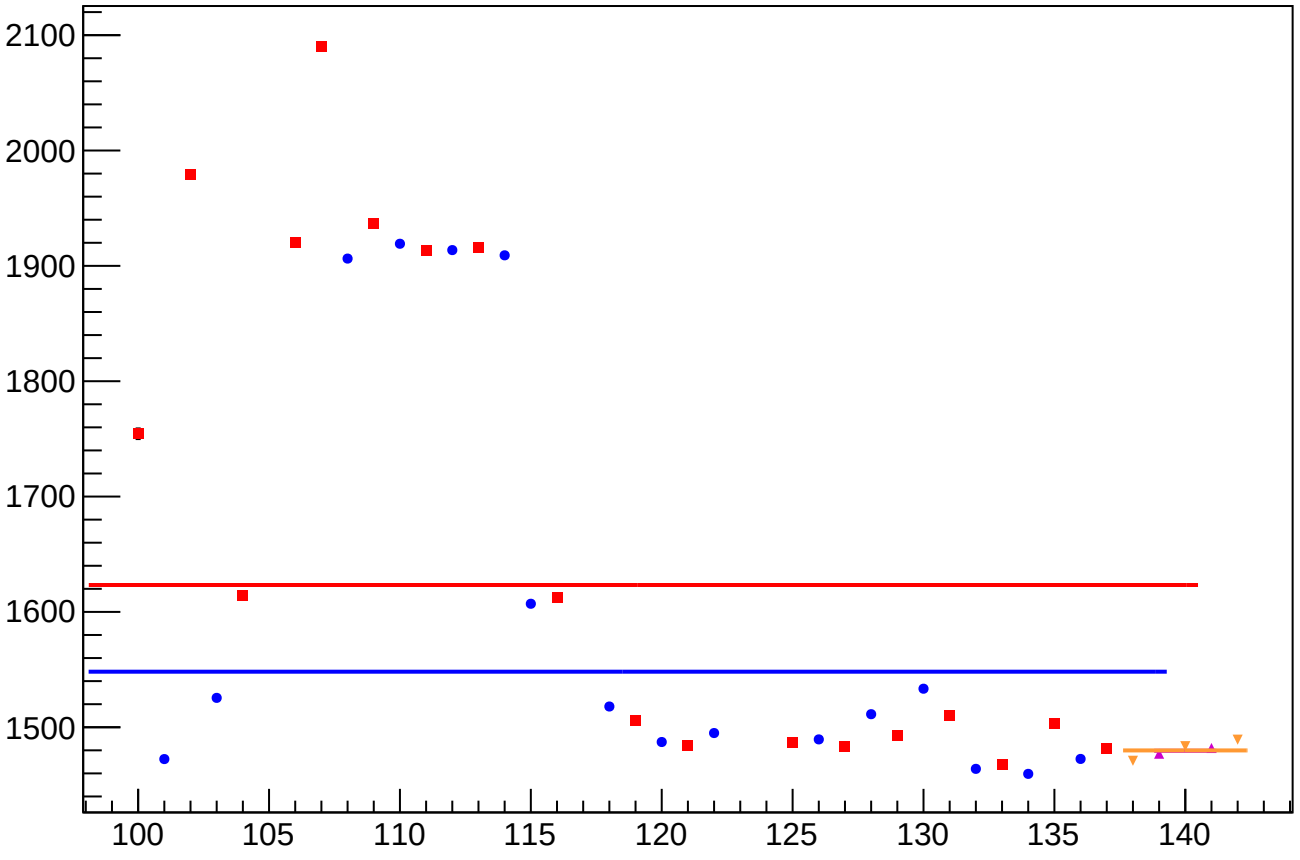
Left: 1455.663+/-760.060 χ^2/NDF: 3.1/4

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1646.666+/-513.808 χ^2/NDF:13.4/17

Out: 1776.639+/-521.729 χ^2/NDF:17.3/20

All: 1710.658+/-366.086 χ^2/NDF: 30.7/38



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1479.918+/-0.729 χ^2/NDF:102.6/2

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: 1479.774+/-0.537 χ^2/NDF: 112.4/4

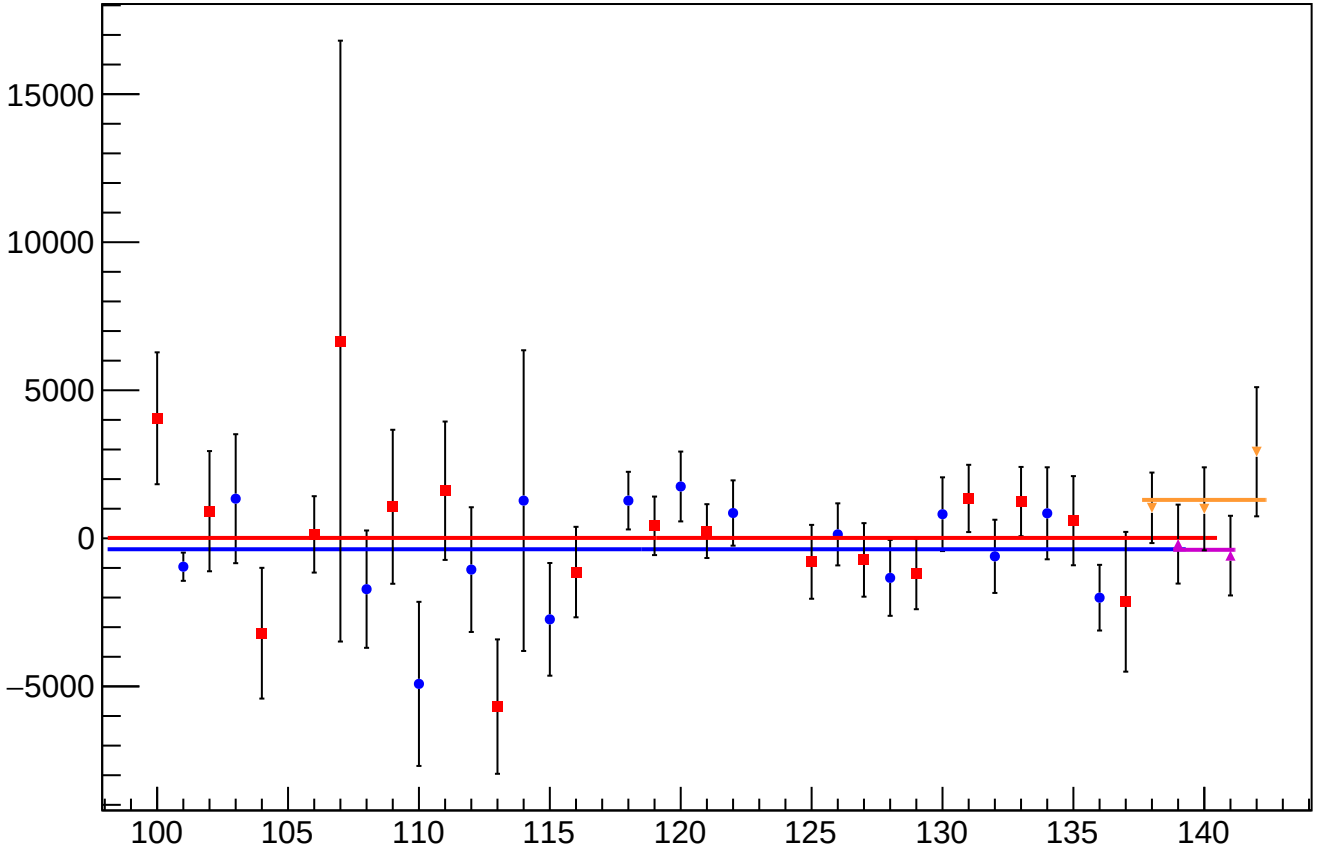
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1533.858+/-0.363 χ^2/NDF:125799.2/17

Out: 1586.627+/-0.369 χ^2/NDF:240413.5/20

All: 1559.839+/-0.259 χ^2/NDF: 376598.9/38

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: 1297.793+/-837.706 χ^2/NDF:0.7/2

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -387.561+/-946.887 χ^2/NDF:0.0/1

Left: 557.842+/-627.414 χ^2/NDF: 2.5/4

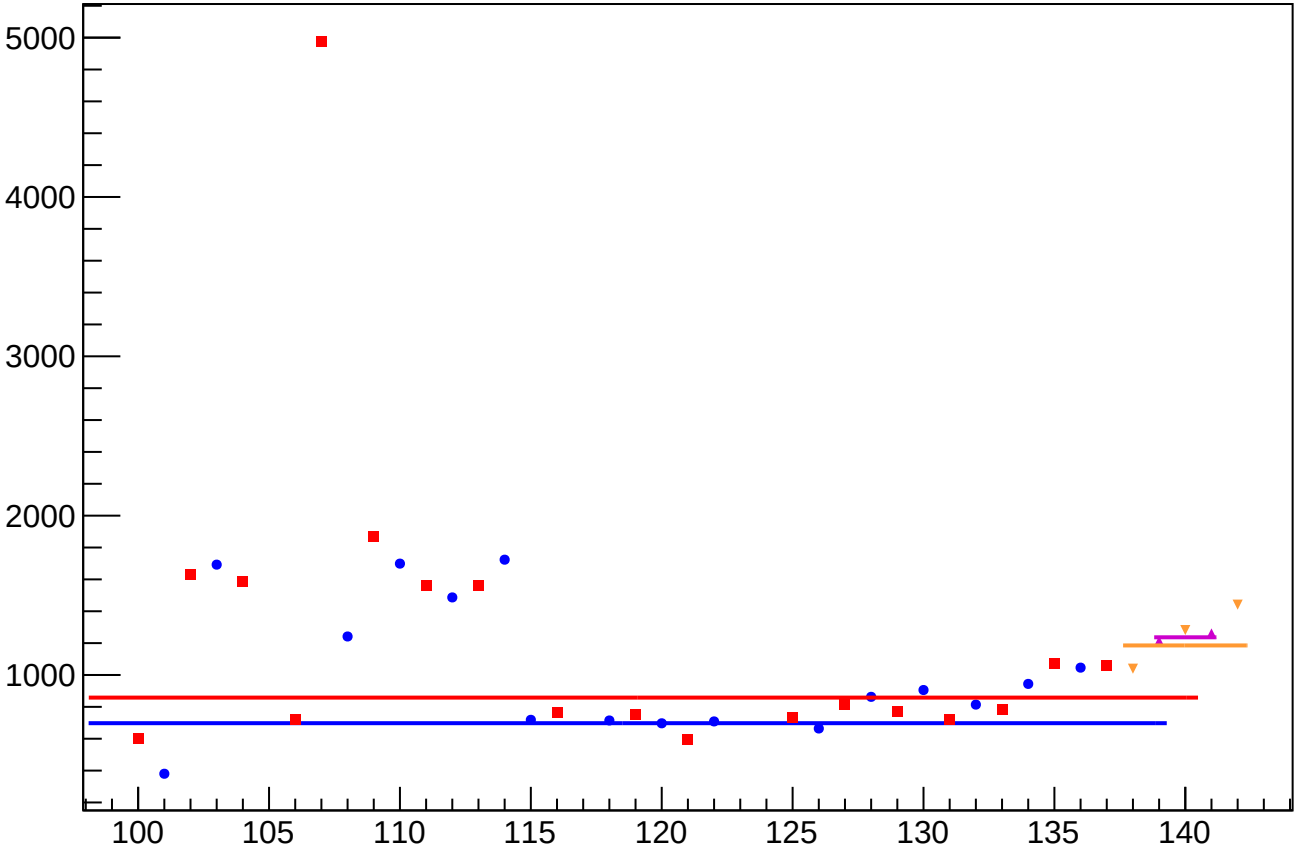
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -370.289+/-274.290 χ^2/NDF:18.9/17

Out: 196.778+/-316.287 χ^2/NDF:21.7/20

All: -126.878+/-207.221 χ^2/NDF: 42.5/38

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: 1185.455+/-0.592 χ^2/NDF:67097.2/2

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1236.565+/-0.670 χ^2/NDF:1289.3/1

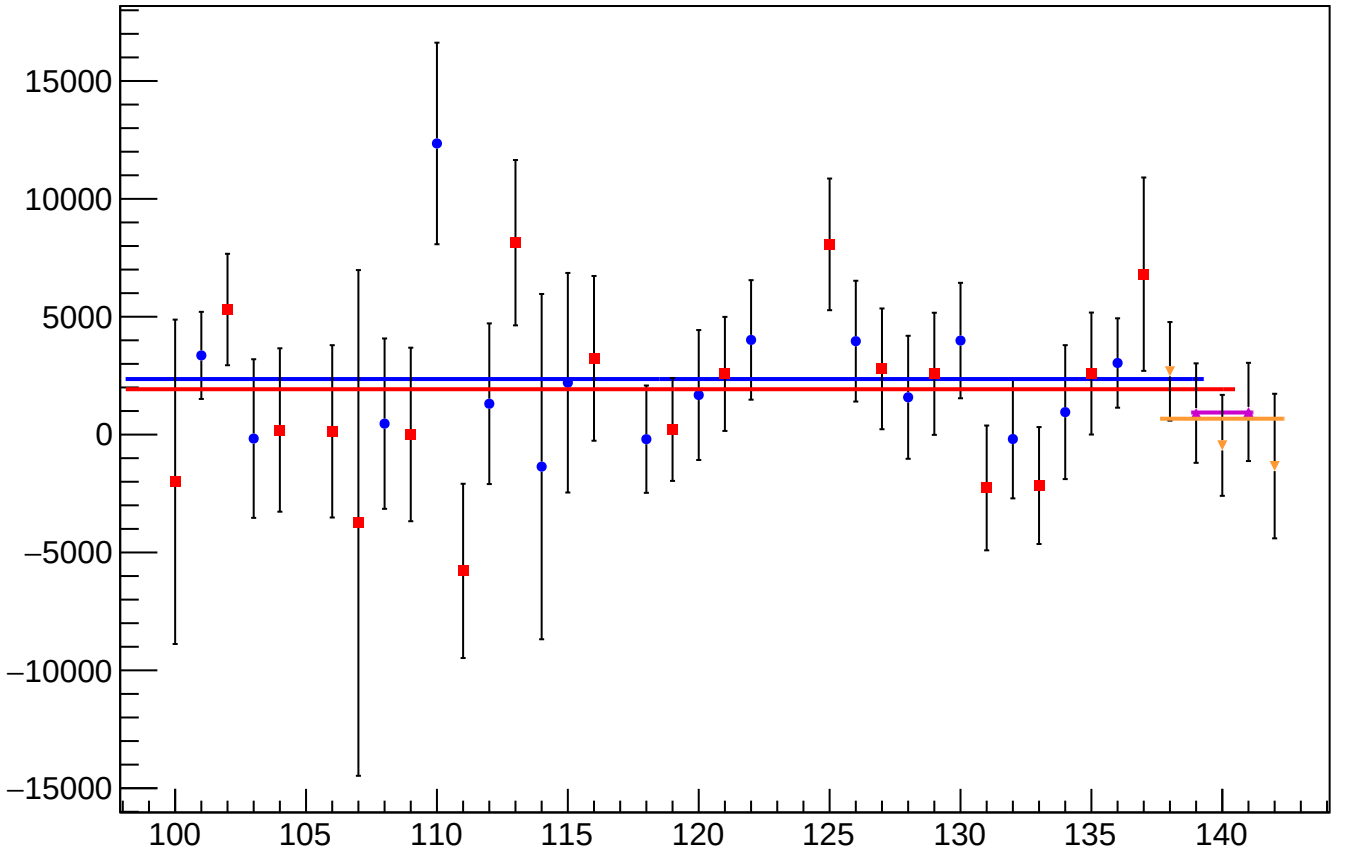
Left: 1207.895+/-0.444 χ^2/NDF: 71655.3/4

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 742.749+/-0.194 χ^2/NDF:3030665.0/17

Out: 904.760+/-0.224 χ^2/NDF:2211155.3/20

All: 812.292+/-0.147 χ^2/NDF: 5541328.2/38



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 673.939+/-1344.508 χ^2/NDF:1.6/2

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: 792.743+/-995.930 χ^2/NDF: 1.6/4

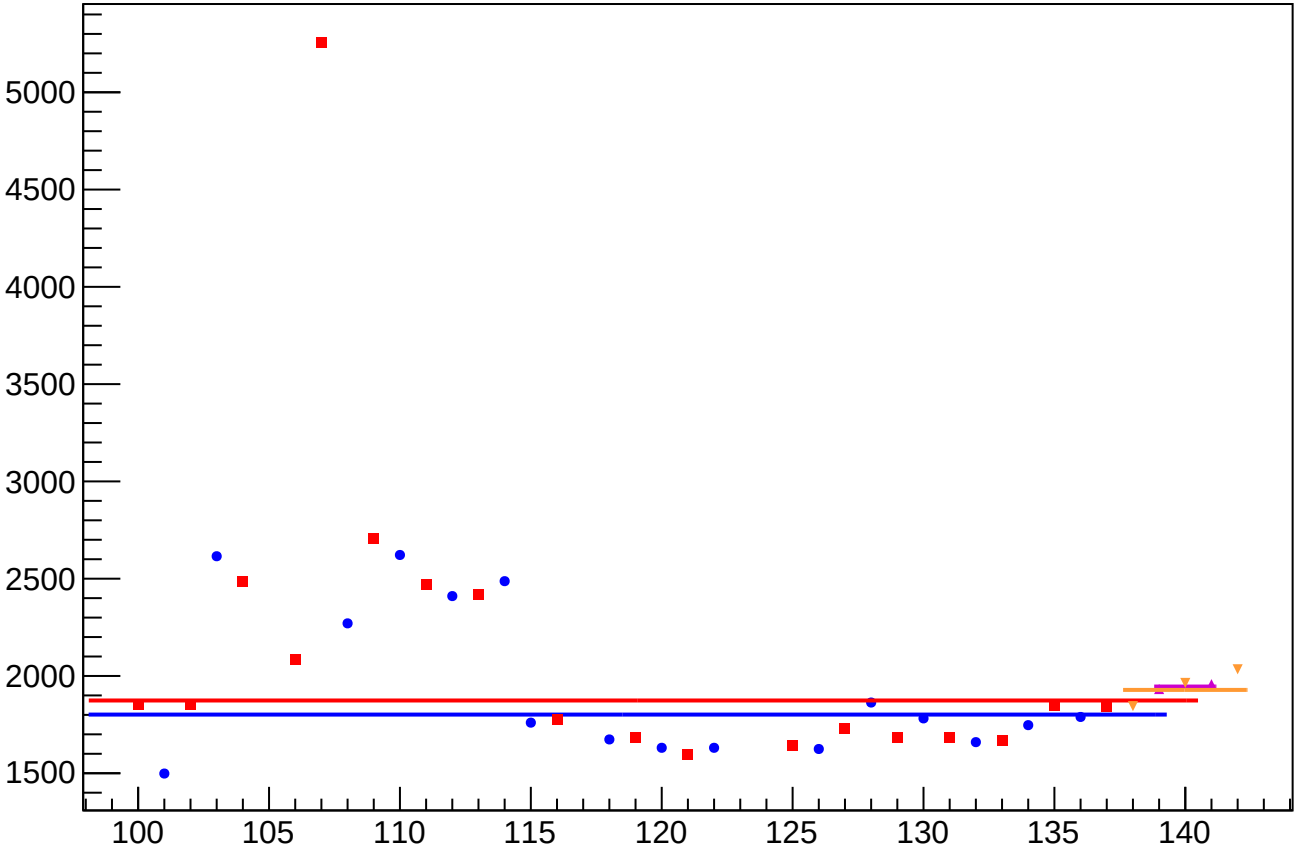
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2110.836+/-617.288 χ^2/NDF:11.8/17

Out: 1653.979+/-625.627 χ^2/NDF:25.8/20

All: 1885.473+/-439.407 χ^2/NDF: 37.8/38

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1928.313+/-0.951 χ^2/NDF:6138.2/2

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1945.606+/-1.048 χ^2/NDF:144.7/1

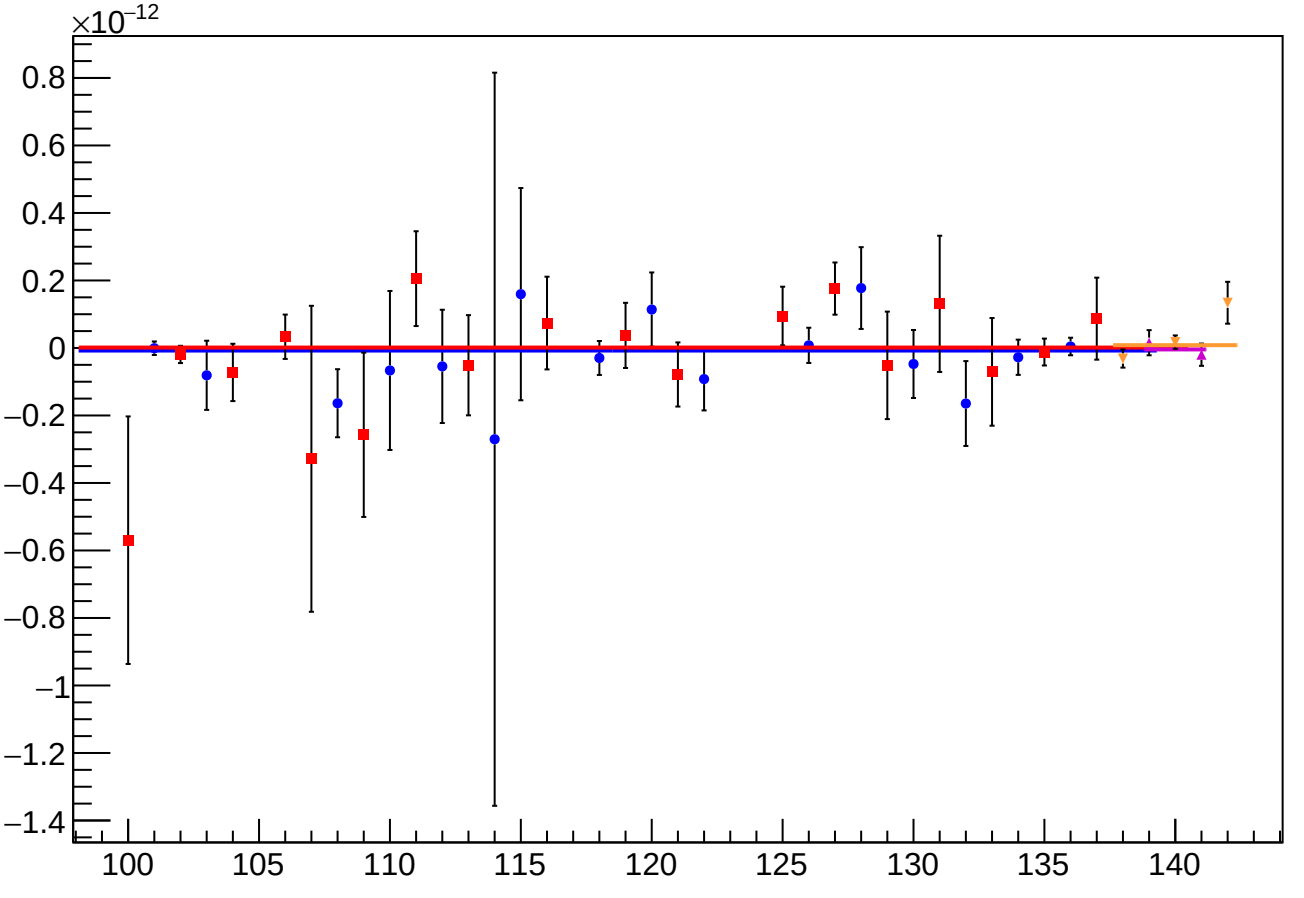
Left: 1936.117+/-0.704 χ^2/NDF: 6432.2/4

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1826.508+/-0.436 χ^2/NDF:416462.2/17

Out: 1885.741+/-0.442 χ^2/NDF:578606.4/20

All: 1855.727+/-0.311 χ^2/NDF: 1004152.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

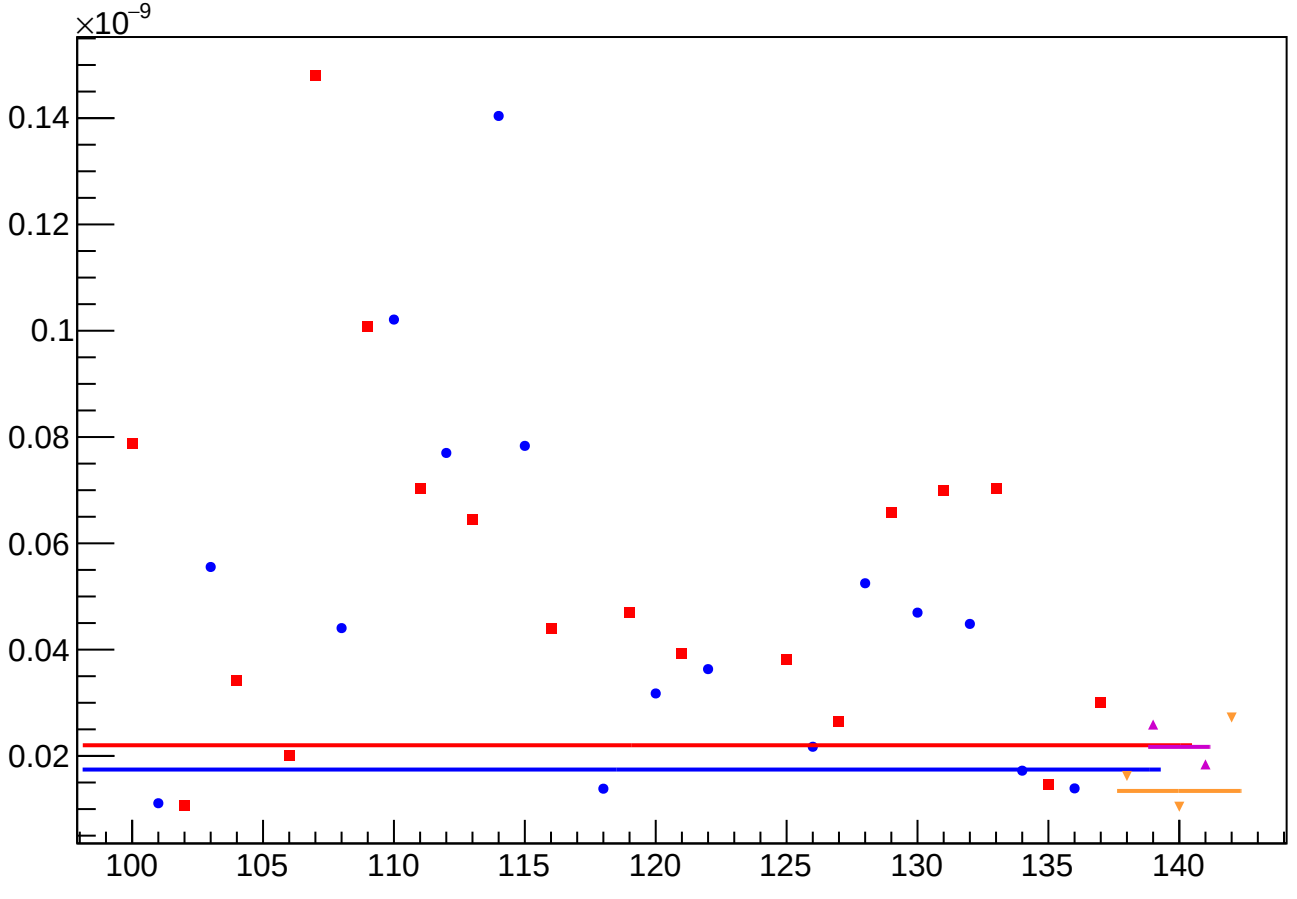
Left: 0.000+/-0.000 χ^2/NDF: 7.2/4

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:23.2/20

All: -0.000+/-0.000 χ^2/NDF: 34.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:165507.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:45321.6/1

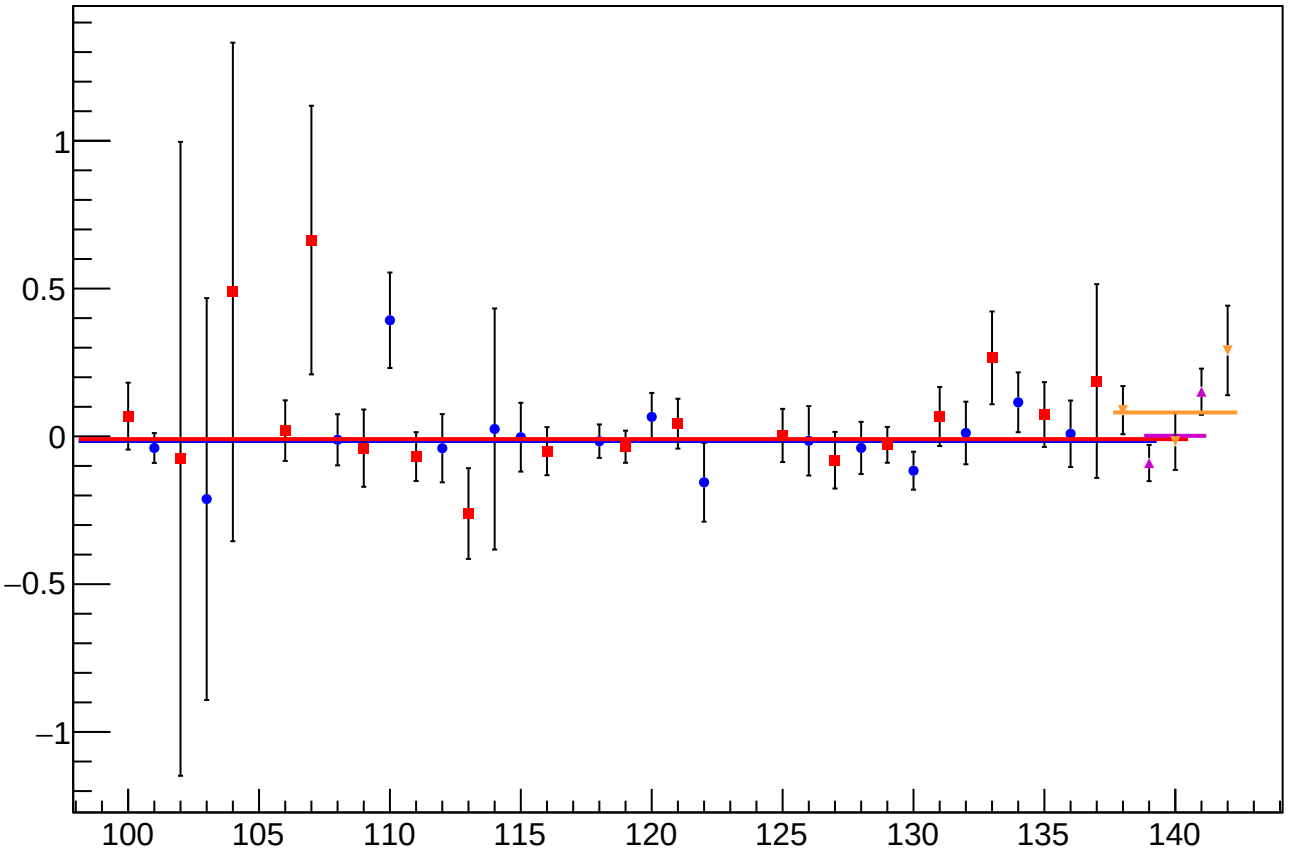
Left: 0.000+/-0.000 χ^2/NDF: 372356.1/4

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:2540755.9/20

All: 0.000+/-0.000 χ^2/NDF: 4481731.1/38



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

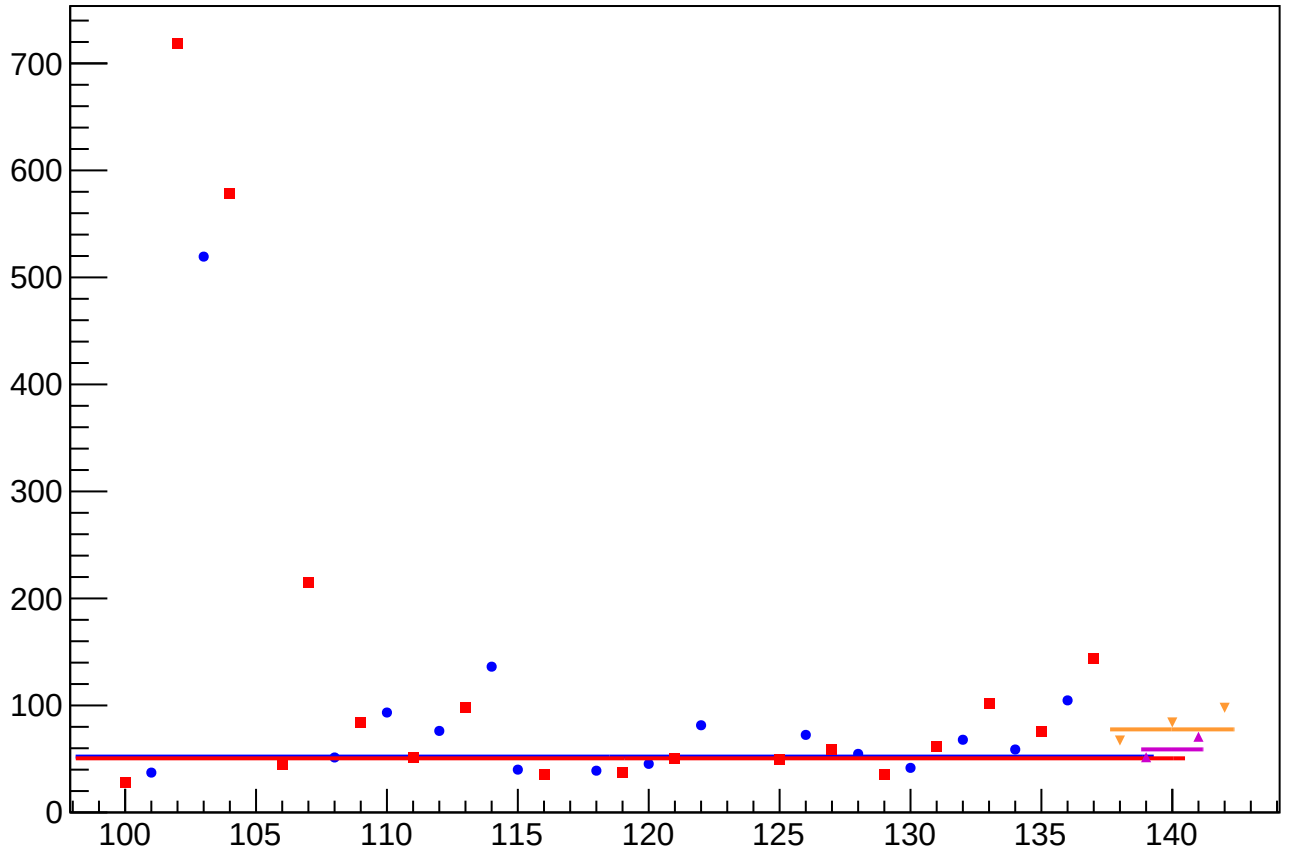
Left: 0.034+/-0.037 χ^2/NDF: 9.9/4

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.005+/-0.015 χ^2/NDF: 37.0/38



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 77.627+/-0.041 χ^2/NDF:77150.8/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.6/1

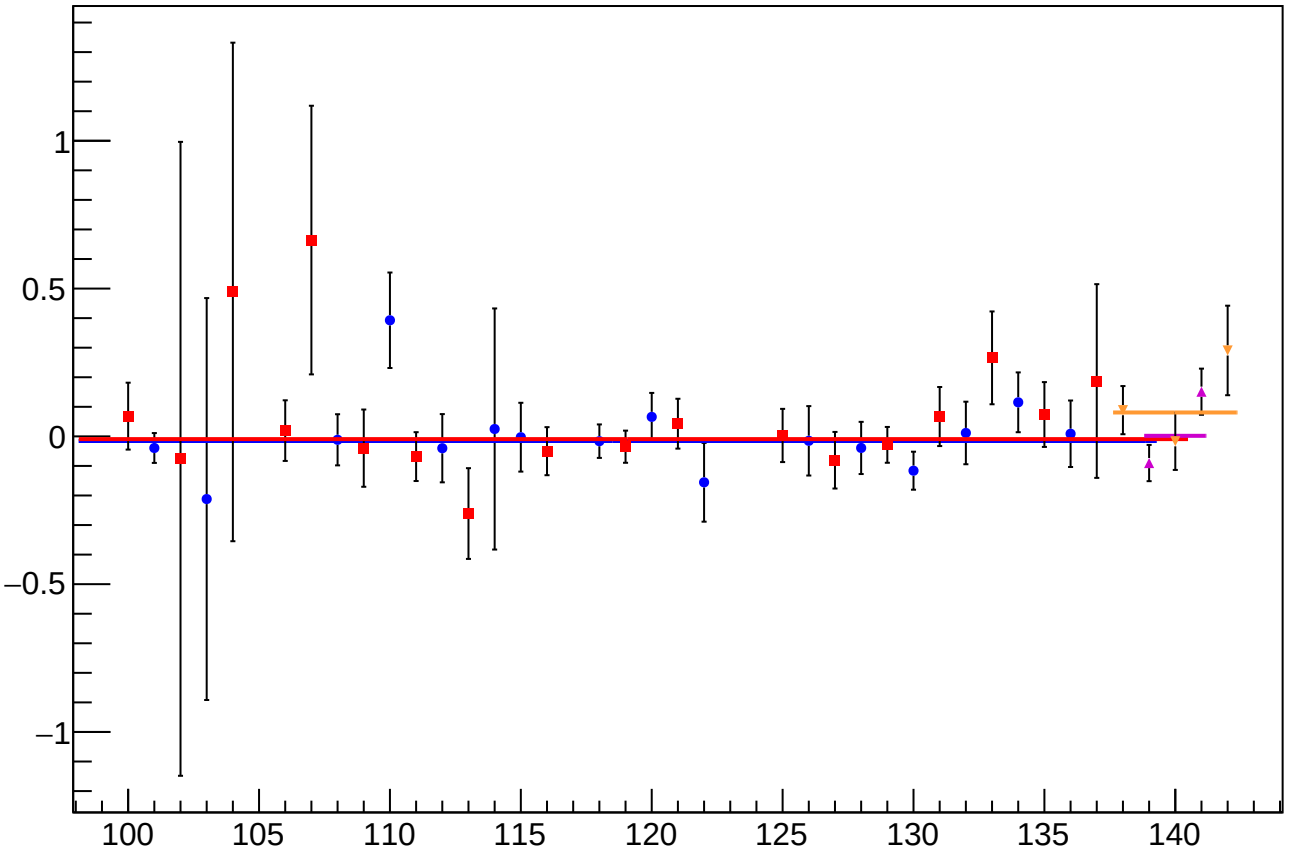
Left: 66.623+/-0.026 χ^2/NDF: 275155.6/4

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 53.409+/-0.014 χ^2/NDF:2373314.3/17

Out: 54.459+/-0.015 χ^2/NDF:3505133.0/20

All: 53.900+/-0.011 χ^2/NDF: 5880905.5/38



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

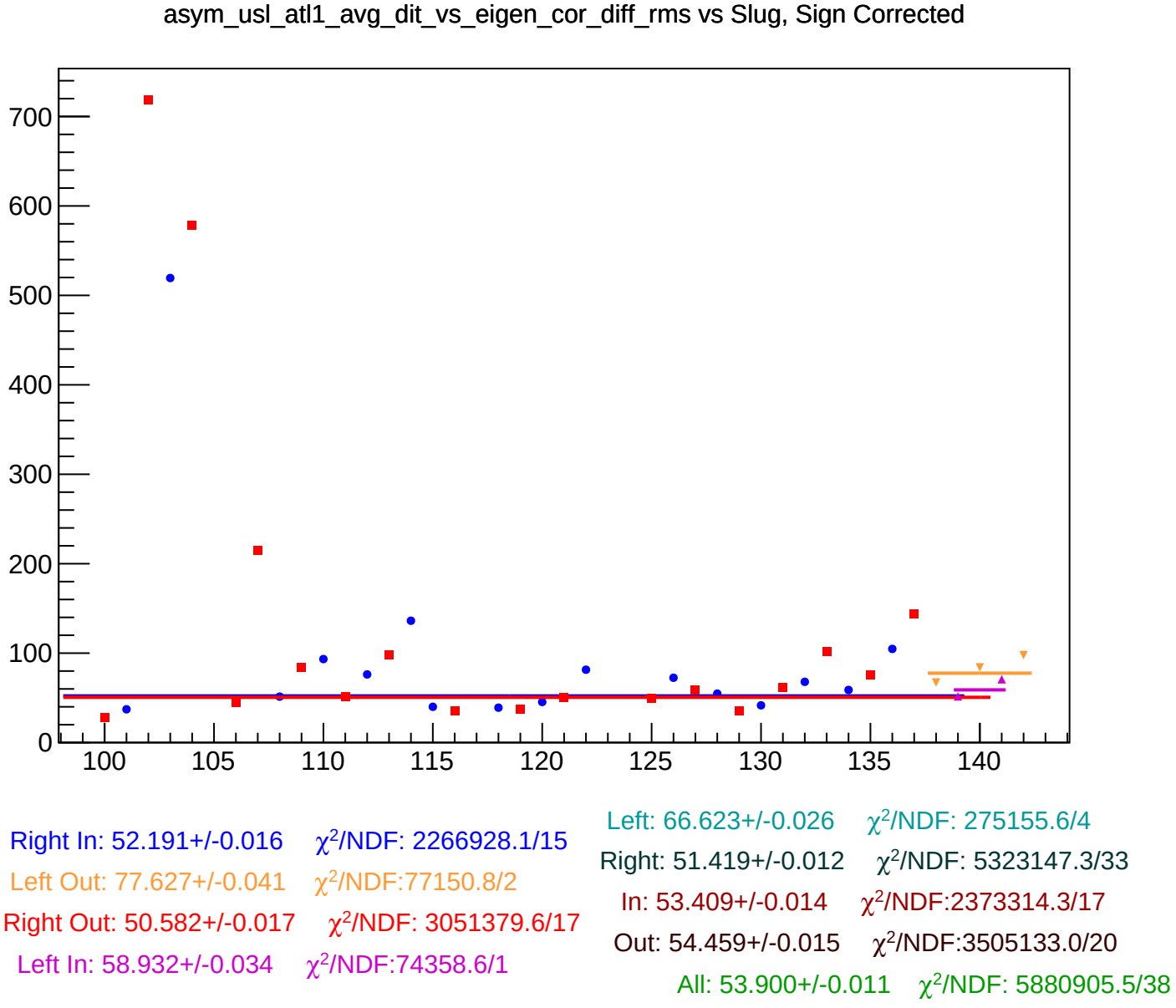
Left: 0.034+/-0.037 χ^2/NDF: 9.9/4

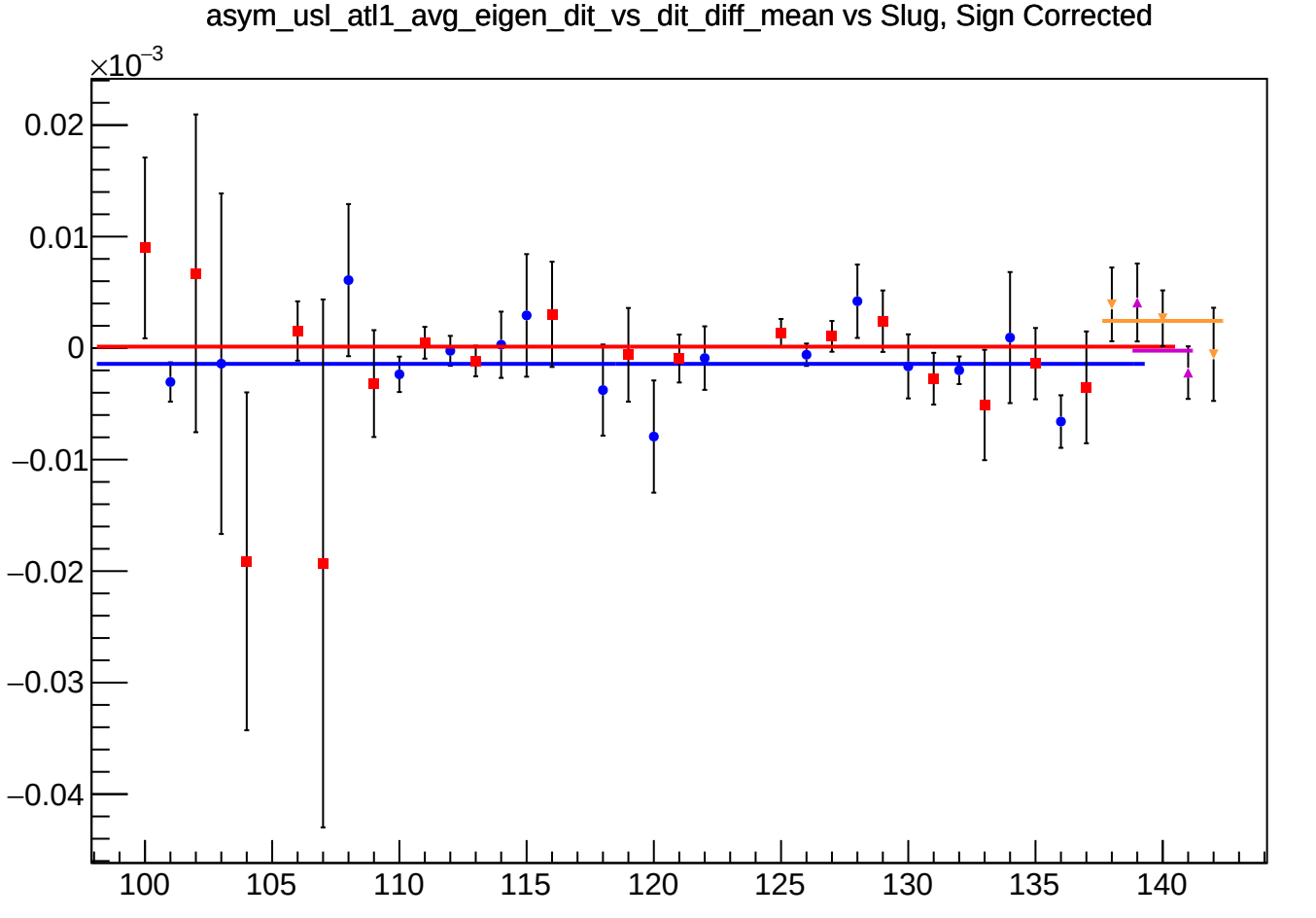
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

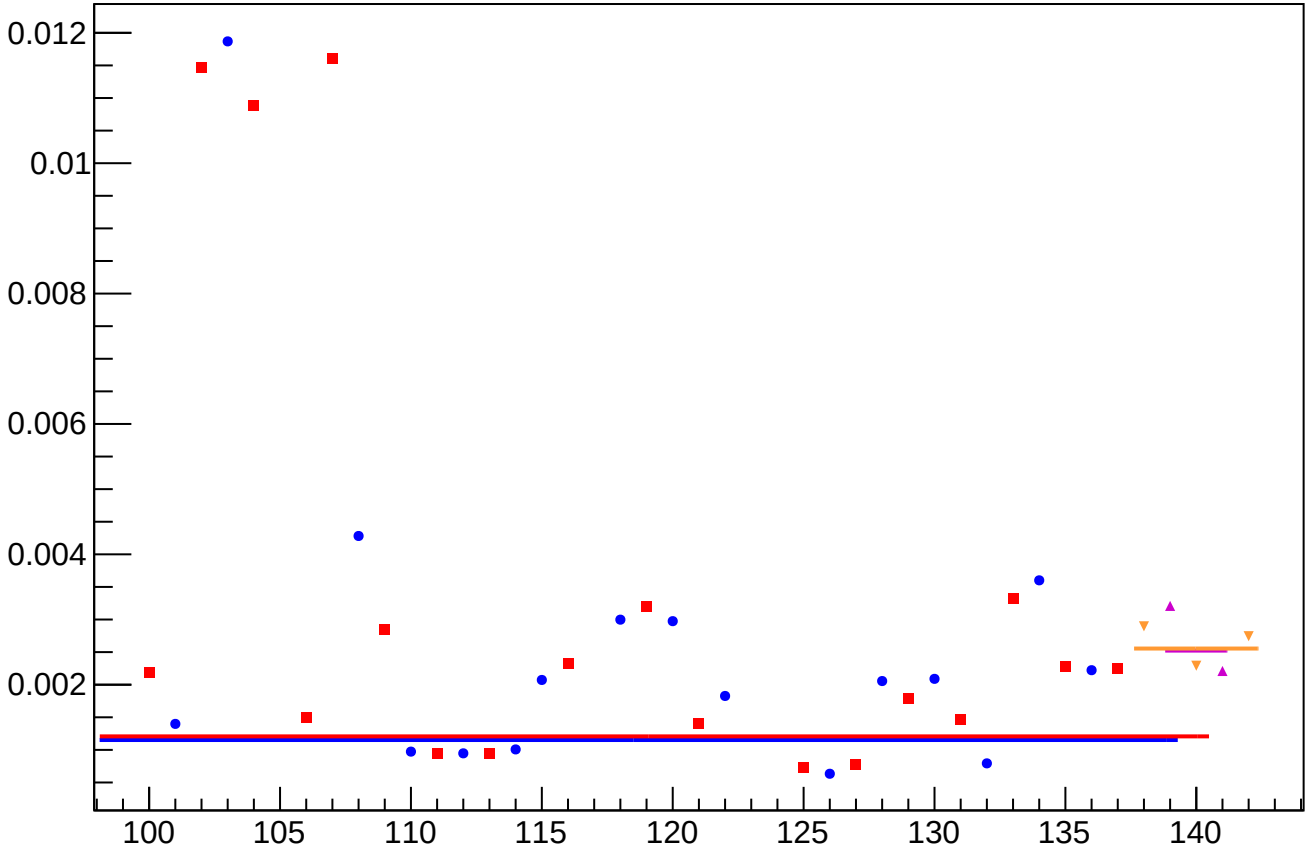
Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.005+/-0.015 χ^2/NDF: 37.0/38


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: 77.627+/-0.041 χ2/NDF:77150.8/2
Right Out: 50.582+/-0.017 χ2/NDF: 3051379.6/17
Left In: 58.932+/-0.034 χ2/NDF:74358.6/1
Left: 66.623+/-0.026 χ2/NDF: 275155.6/4
Right: 51.419+/-0.012 χ2/NDF: 5323147.3/33
In: 53.409+/-0.014 χ2/NDF:2373314.3/17
Out: 54.459+/-0.015 χ2/NDF:3505133.0/20
All: 53.900+/-0.011 χ2/NDF: 5880905.5/38


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: 0.000+/-0.000 χ²/NDF:0.7/2
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: -0.000+/-0.000 χ²/NDF:2.2/1
Left: 0.000+/-0.000 χ²/NDF: 4.0/4
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:17.5/17
Out: 0.000+/-0.000 χ²/NDF:13.8/20
All: -0.000+/-0.000 χ²/NDF: 36.6/38

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:47449.6/2

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.003+/-0.000 χ^2/NDF:112371.6/1

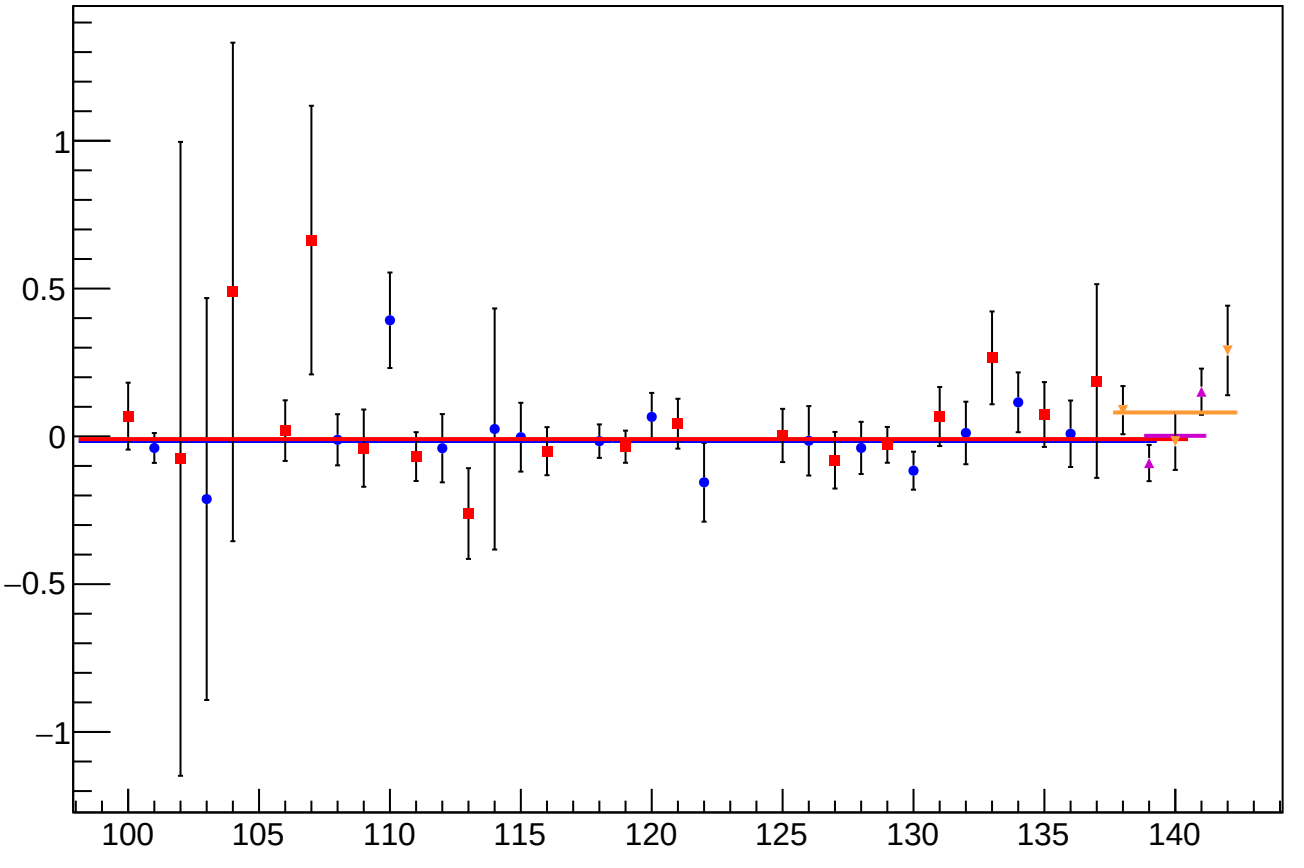
Left: 0.003+/-0.000 χ^2/NDF: 160100.4/4

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:5590365.5/20

All: 0.001+/-0.000 χ^2/NDF: 10838352.2/38



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

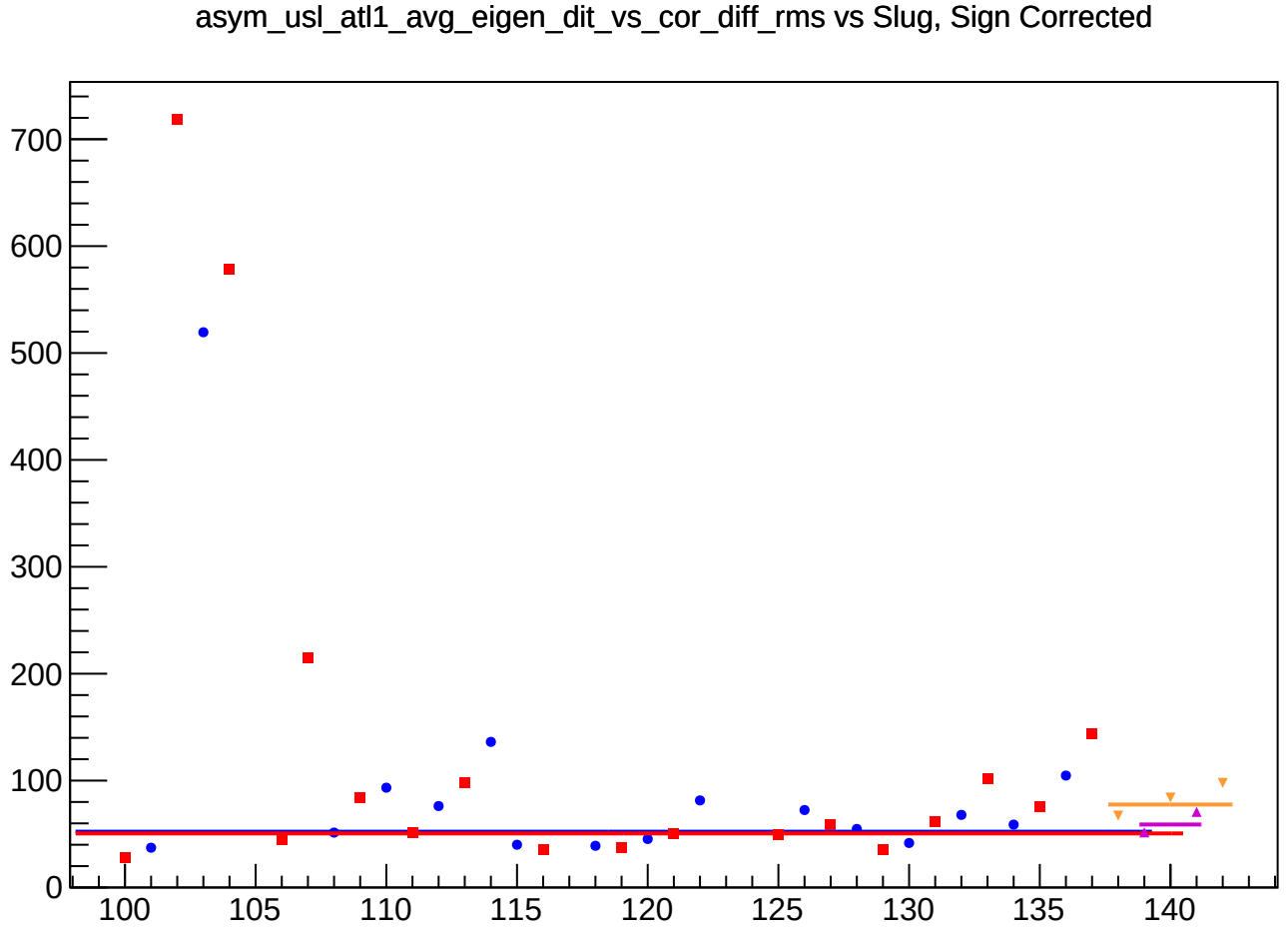
Left: 0.034+/-0.037 χ^2/NDF: 9.9/4

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.005+/-0.015 χ^2/NDF: 37.0/38



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 77.626+/-0.041 χ^2/NDF:77154.5/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.3/1

Left: 66.622+/-0.026 χ^2/NDF: 275157.2/4

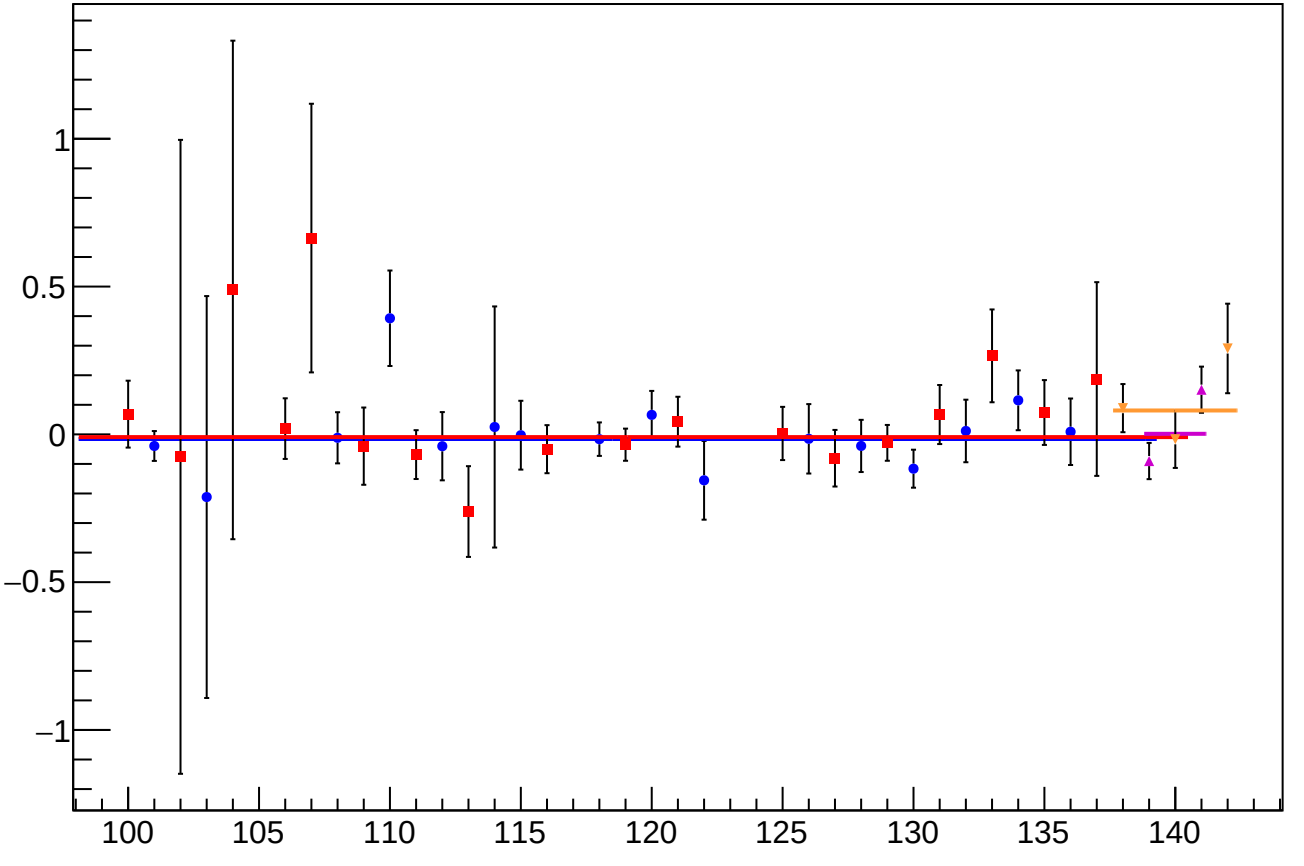
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.408+/-0.014 χ^2/NDF:2373307.9/17

Out: 54.458+/-0.015 χ^2/NDF:3505121.5/20

All: 53.900+/-0.011 χ^2/NDF: 5880886.9/38

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.081+/-0.058 χ^2/NDF:2.9/2

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.002+/-0.048 χ^2/NDF:5.9/1

Left: 0.034+/-0.037 χ^2/NDF: 9.9/4

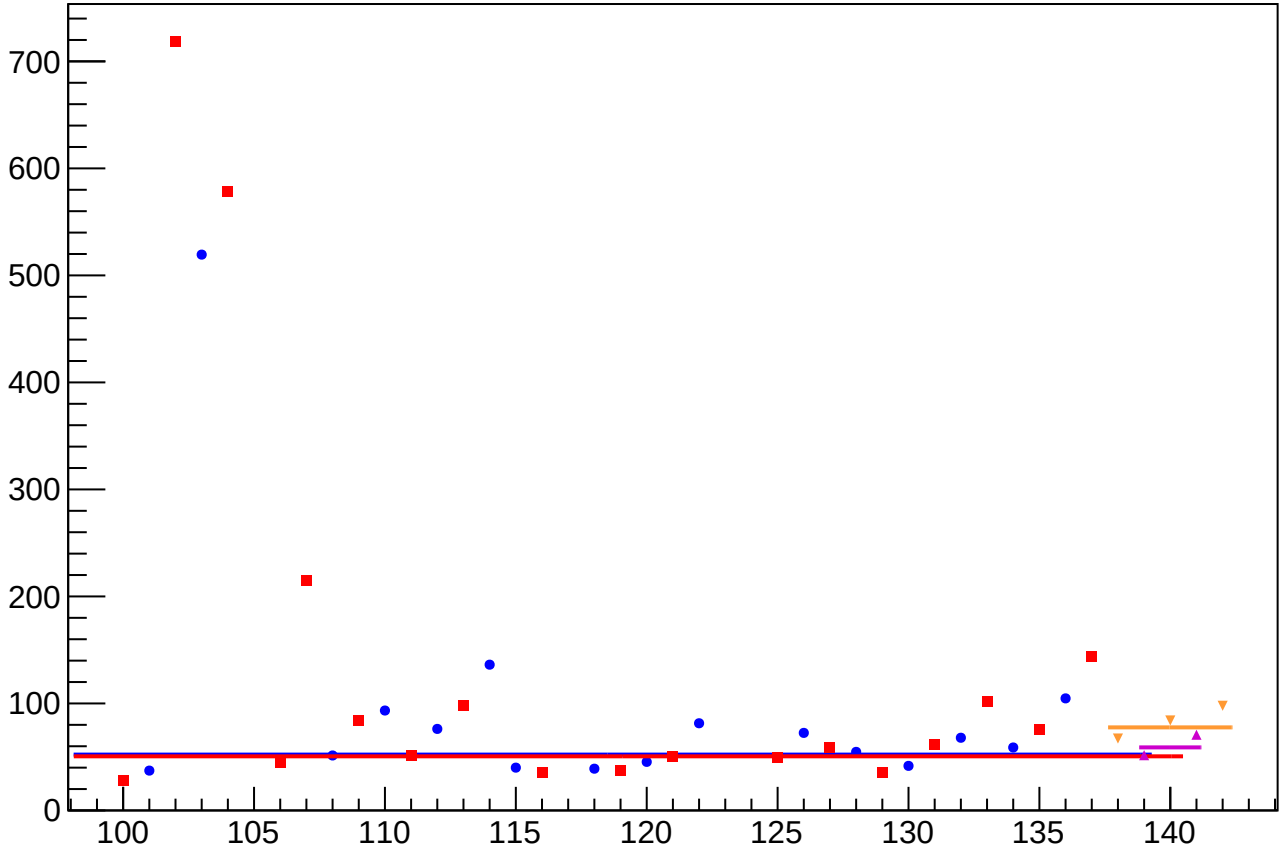
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.012+/-0.020 χ^2/NDF:19.2/17

Out: 0.004+/-0.022 χ^2/NDF:17.5/20

All: -0.005+/-0.015 χ^2/NDF: 37.0/38

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: 77.626+/-0.041 χ^2/NDF:77154.5/2

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 58.932+/-0.034 χ^2/NDF:74358.3/1

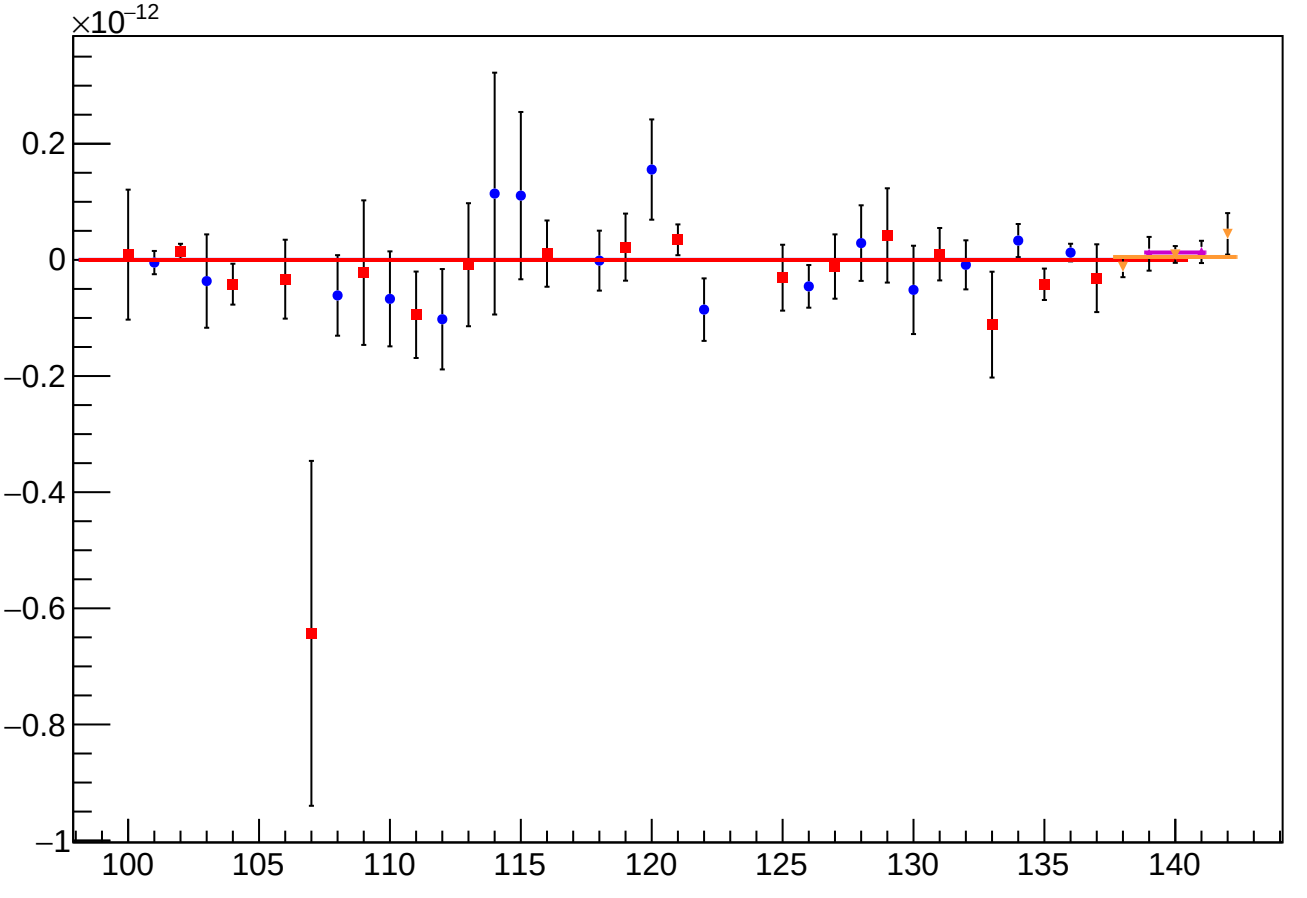
Left: 66.622+/-0.026 χ^2/NDF: 275157.2/4

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.408+/-0.014 χ^2/NDF:2373307.9/17

Out: 54.458+/-0.015 χ^2/NDF:3505121.5/20

All: 53.900+/-0.011 χ^2/NDF: 5880886.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/2

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

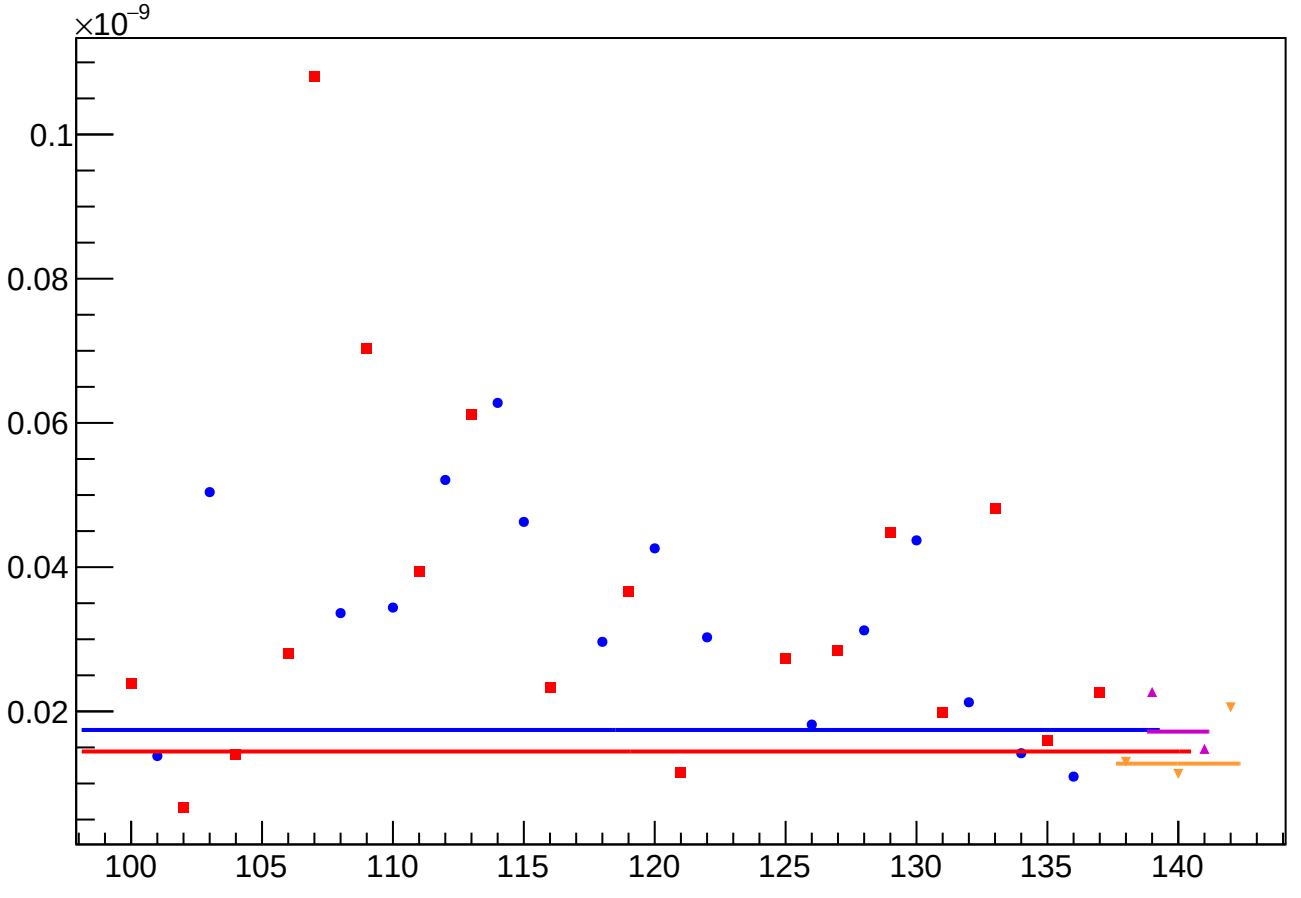
Left: 0.000+/-0.000 χ^2/NDF: 2.4/4

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:18.4/20

All: 0.000+/-0.000 χ^2/NDF: 32.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:115465.5/2

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: 324281.9/4

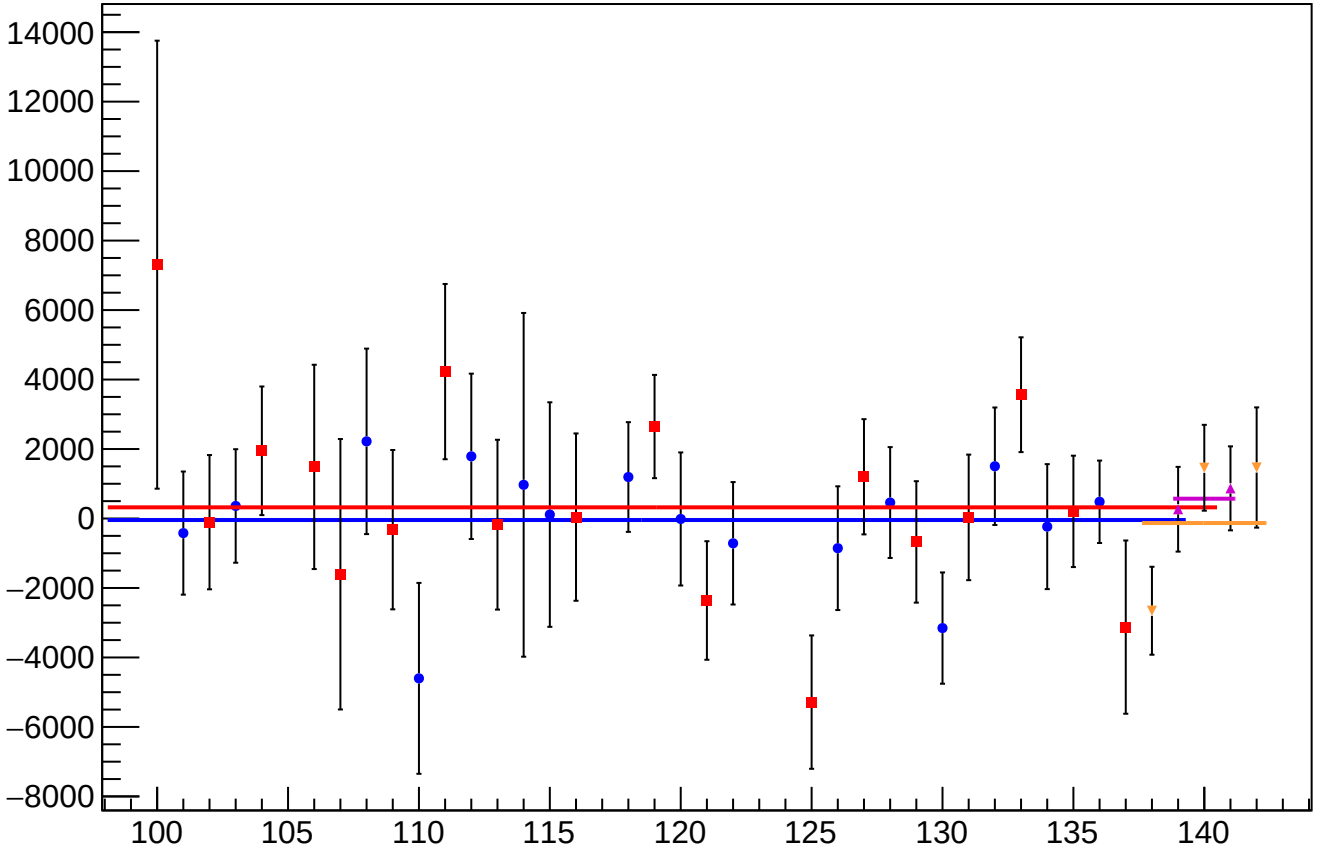
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2327523.2/17

Out: 0.000+/-0.000 χ^2/NDF:3405528.1/20

All: 0.000+/-0.000 χ^2/NDF: 5964781.6/38

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.460+/-787.409 χ^2/NDF:6.5/2

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 570.101+/-858.507 χ^2/NDF:0.1/1

Left: 189.615+/-580.292 χ^2/NDF: 7.0/4

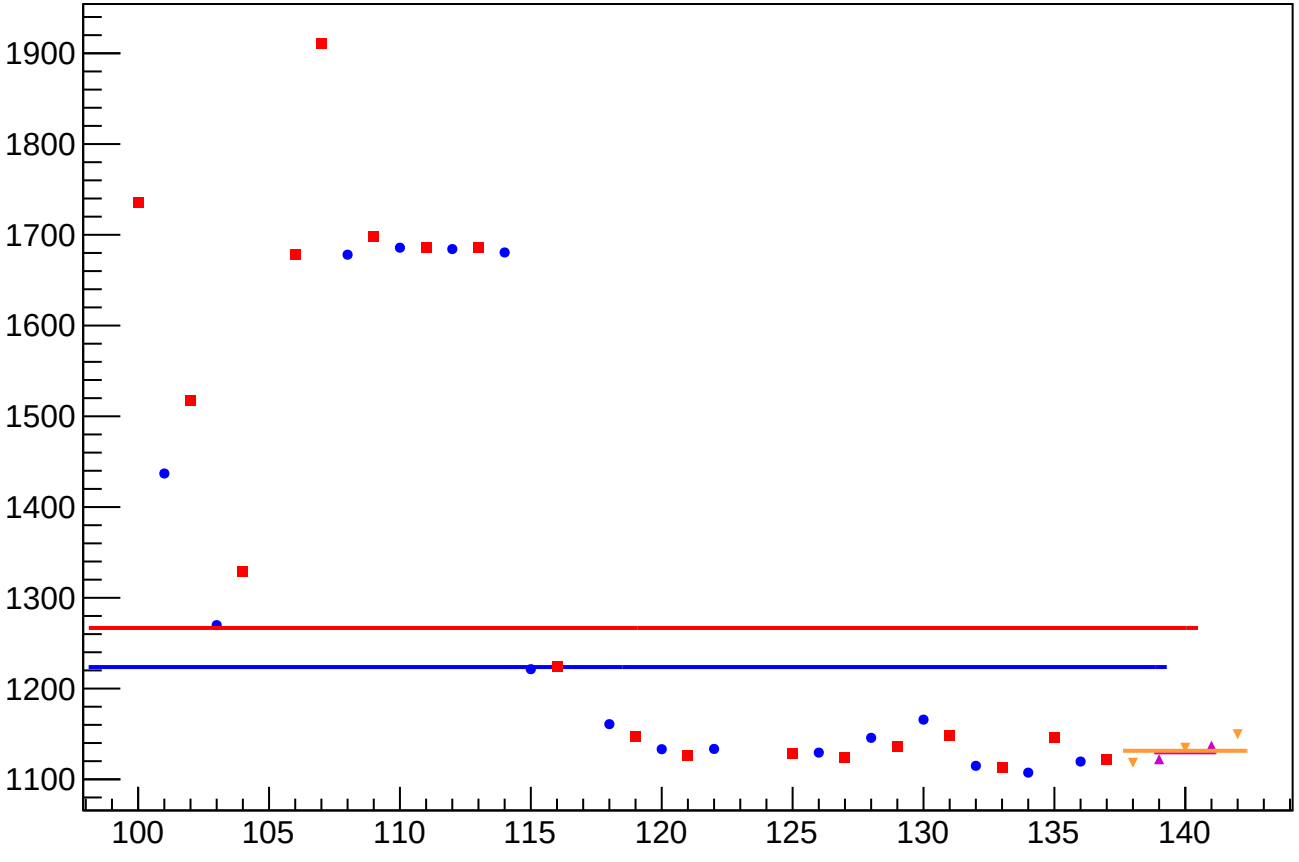
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 92.868+/-404.931 χ^2/NDF:10.6/17

Out: 200.763+/-406.688 χ^2/NDF:31.5/20

All: 146.582+/-286.948 χ^2/NDF: 42.2/38

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

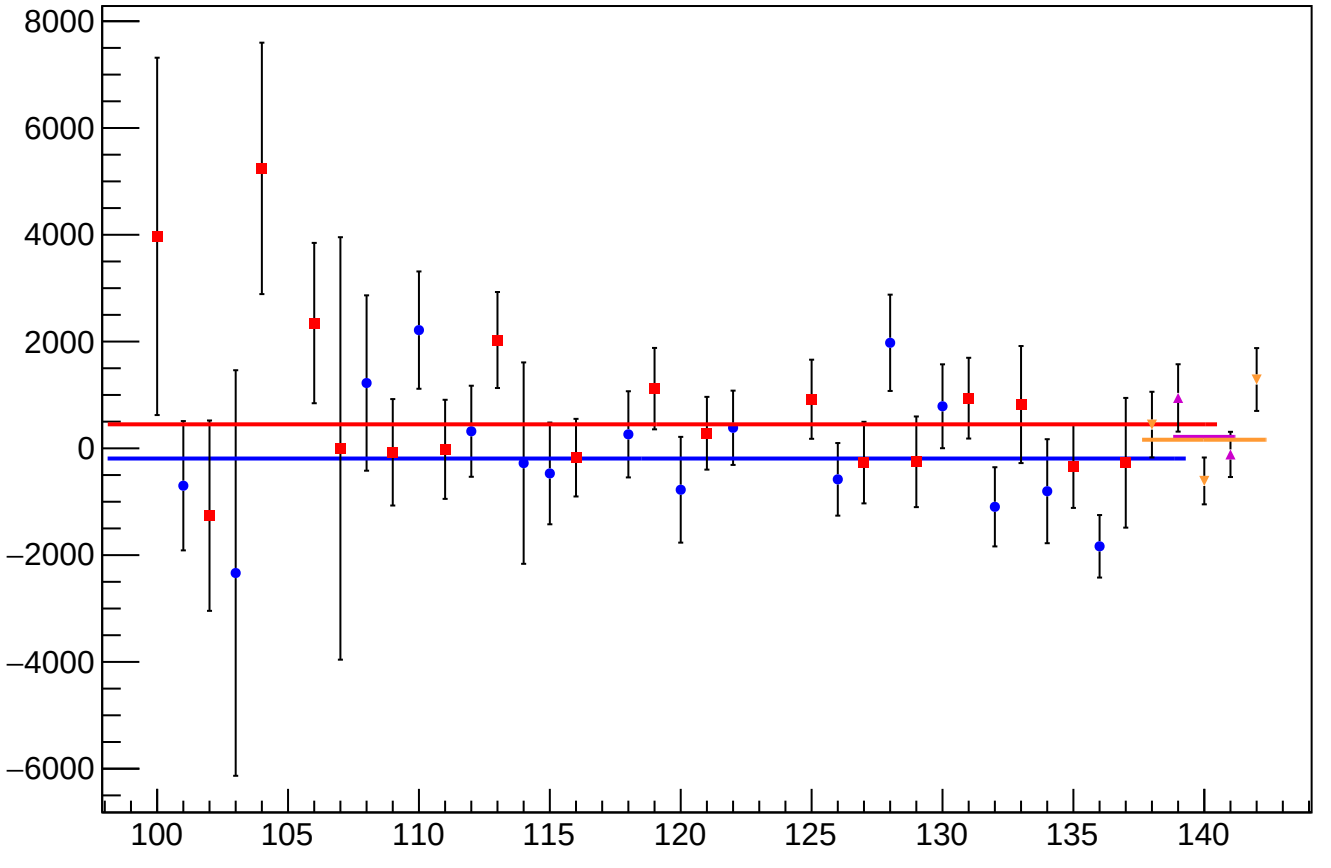
Left: 1130.653+/-0.410 χ^2/NDF: 608.0/4

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1202.794+/-0.286 χ^2/NDF:313756.9/17

Out: 1230.678+/-0.288 χ^2/NDF:476619.0/20

All: 1216.676+/-0.203 χ^2/NDF: 795097.2/38



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: 161.156+/-305.328 χ^2/NDF:7.0/2

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 214.492+/-351.549 χ^2/NDF:1.9/1

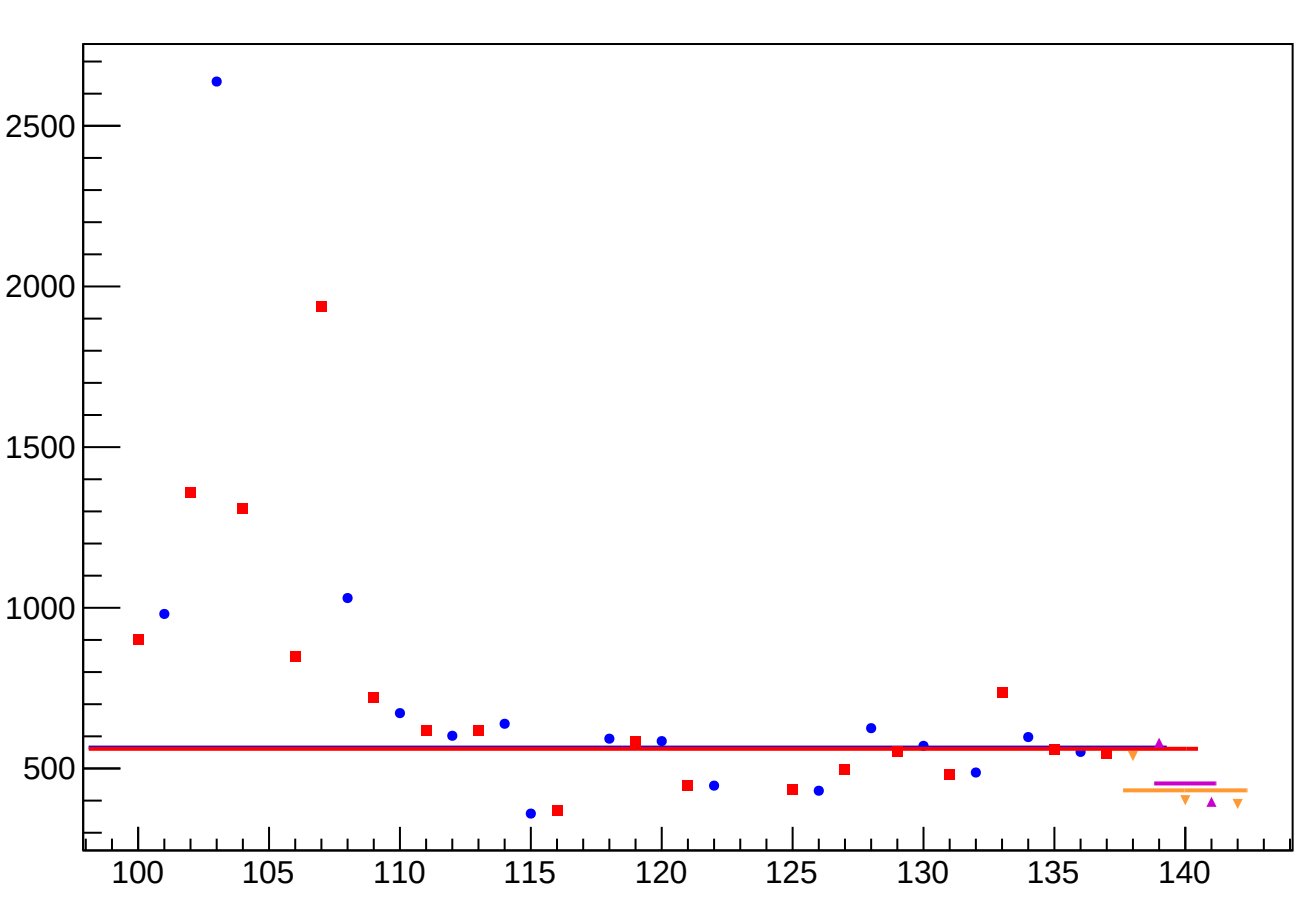
Left: 184.089+/-230.521 χ^2/NDF: 8.9/4

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -74.490+/-188.230 χ^2/NDF:28.1/17

Out: 349.302+/-180.190 χ^2/NDF:24.4/20

All: 146.651+/-130.163 χ^2/NDF: 55.2/38



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 431.900+/-0.216 χ^2/NDF:80260.4/2

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: 441.137+/-0.163 χ^2/NDF: 201456.9/4

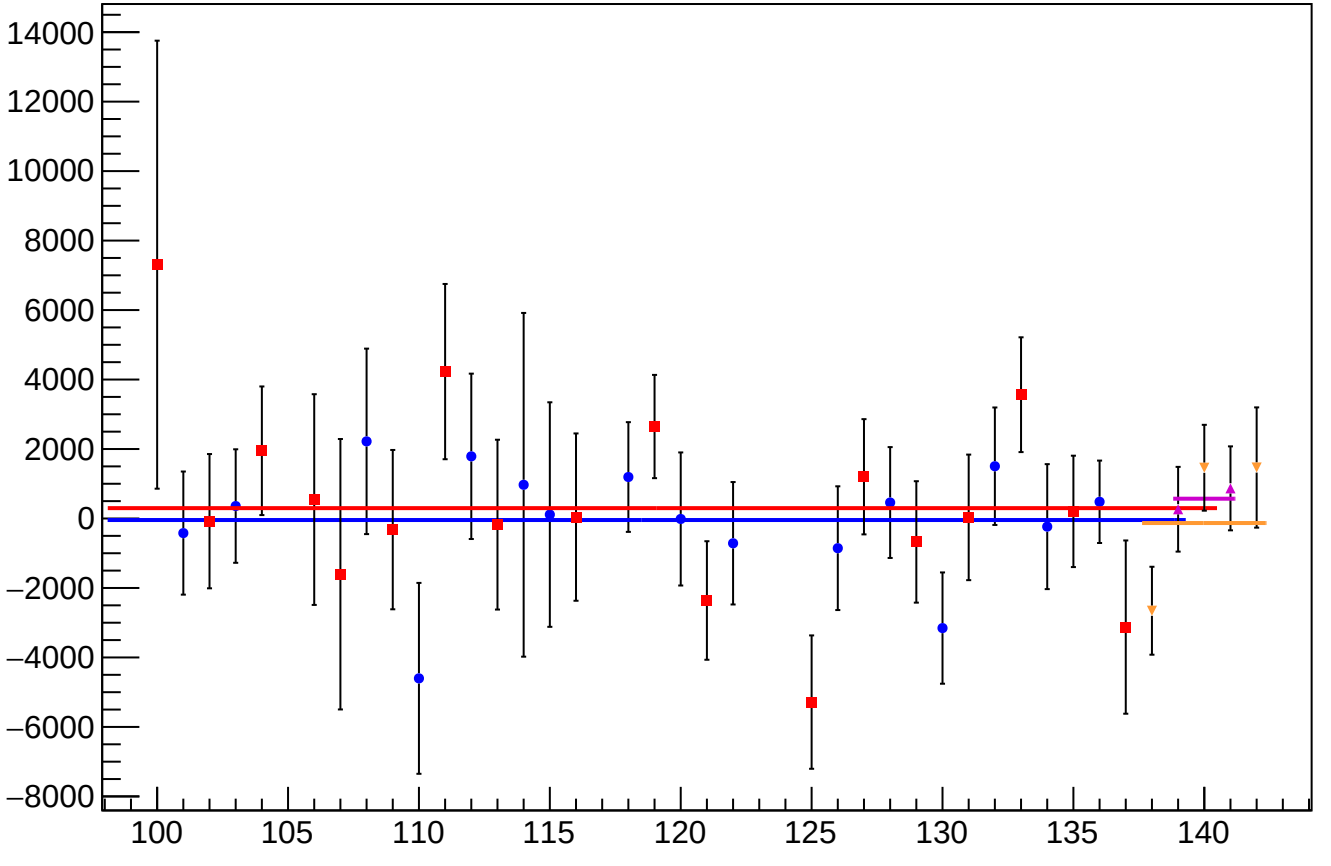
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 532.971+/-0.133 χ^2/NDF:1545125.7/17

Out: 516.196+/-0.127 χ^2/NDF:1666408.5/20

All: 524.218+/-0.092 χ^2/NDF: 3219823.6/38

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.454+/-787.409 χ^2/NDF:6.5/2

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 569.851+/-858.507 χ^2/NDF:0.1/1

Left: 189.504+/-580.292 χ^2/NDF: 7.0/4

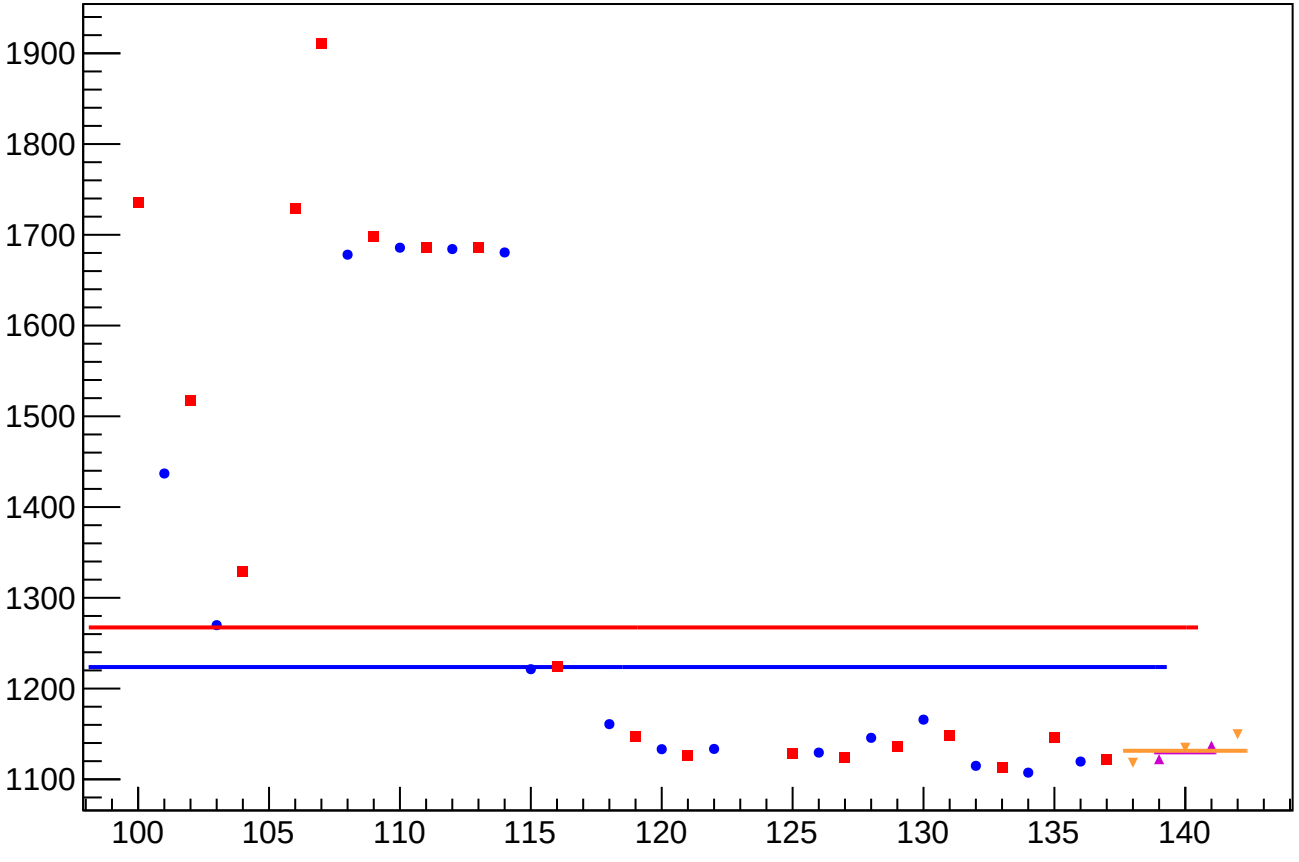
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 92.624+/-404.931 χ^2/NDF:10.6/17

Out: 183.725+/-406.923 χ^2/NDF:31.3/20

All: 137.951+/-287.031 χ^2/NDF: 42.0/38

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

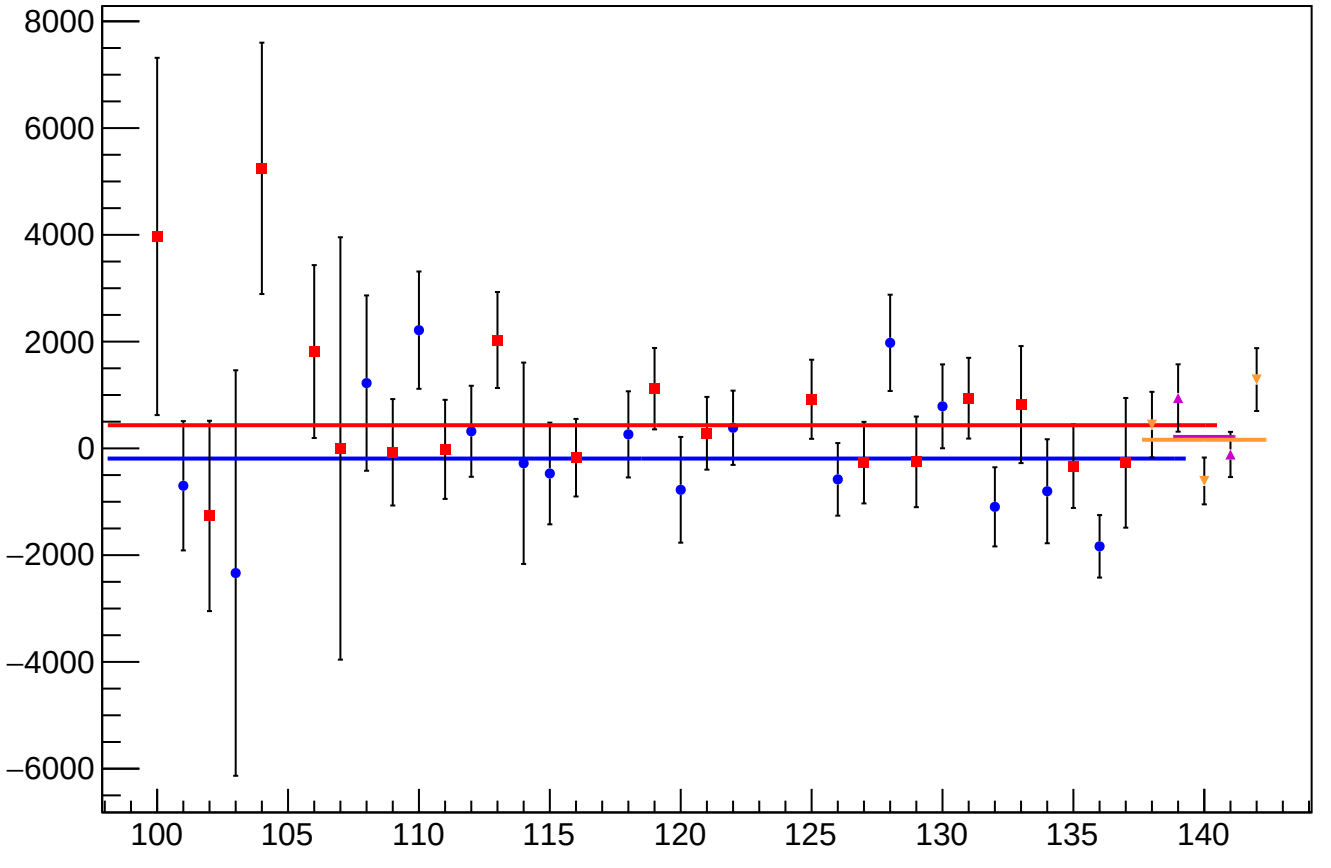
Left: 1130.653+/-0.410 χ^2/NDF: 608.0/4

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1202.794+/-0.286 χ^2/NDF:313757.0/17

Out: 1231.064+/-0.288 χ^2/NDF:484111.9/20

All: 1216.859+/-0.203 χ^2/NDF: 802718.8/38



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 161.129+/-305.331 χ^2/NDF:7.0/2

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 214.308+/-351.549 χ^2/NDF:1.9/1

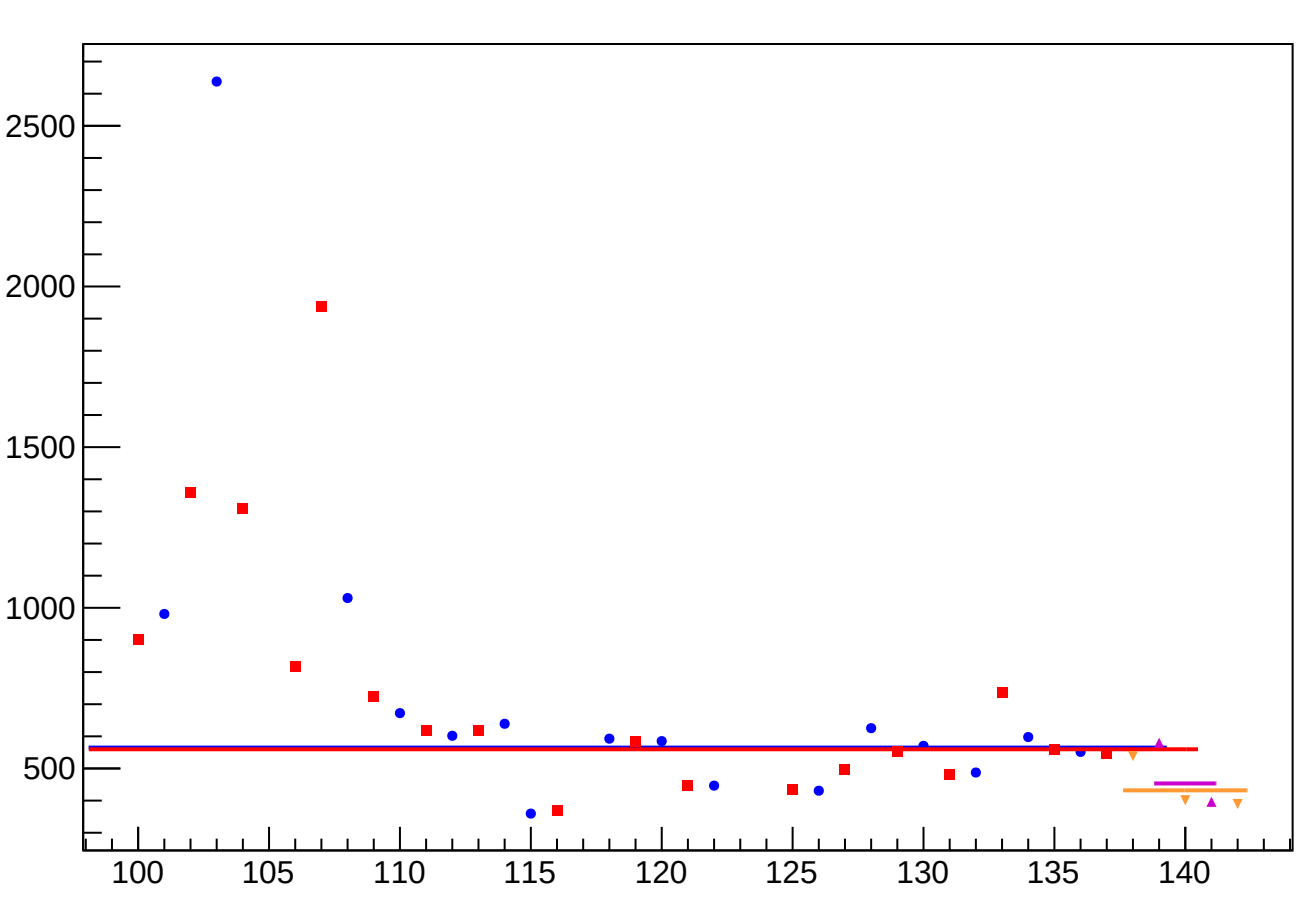
Left: 183.995+/-230.522 χ^2/NDF: 8.9/4

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -74.551+/-188.229 χ^2/NDF:28.1/17

Out: 338.695+/-180.372 χ^2/NDF:23.4/20

All: 140.877+/-130.231 χ^2/NDF: 54.1/38



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 431.904+/-0.216 χ^2/NDF:80238.5/2

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 453.383+/-0.249 χ^2/NDF:116935.3/1

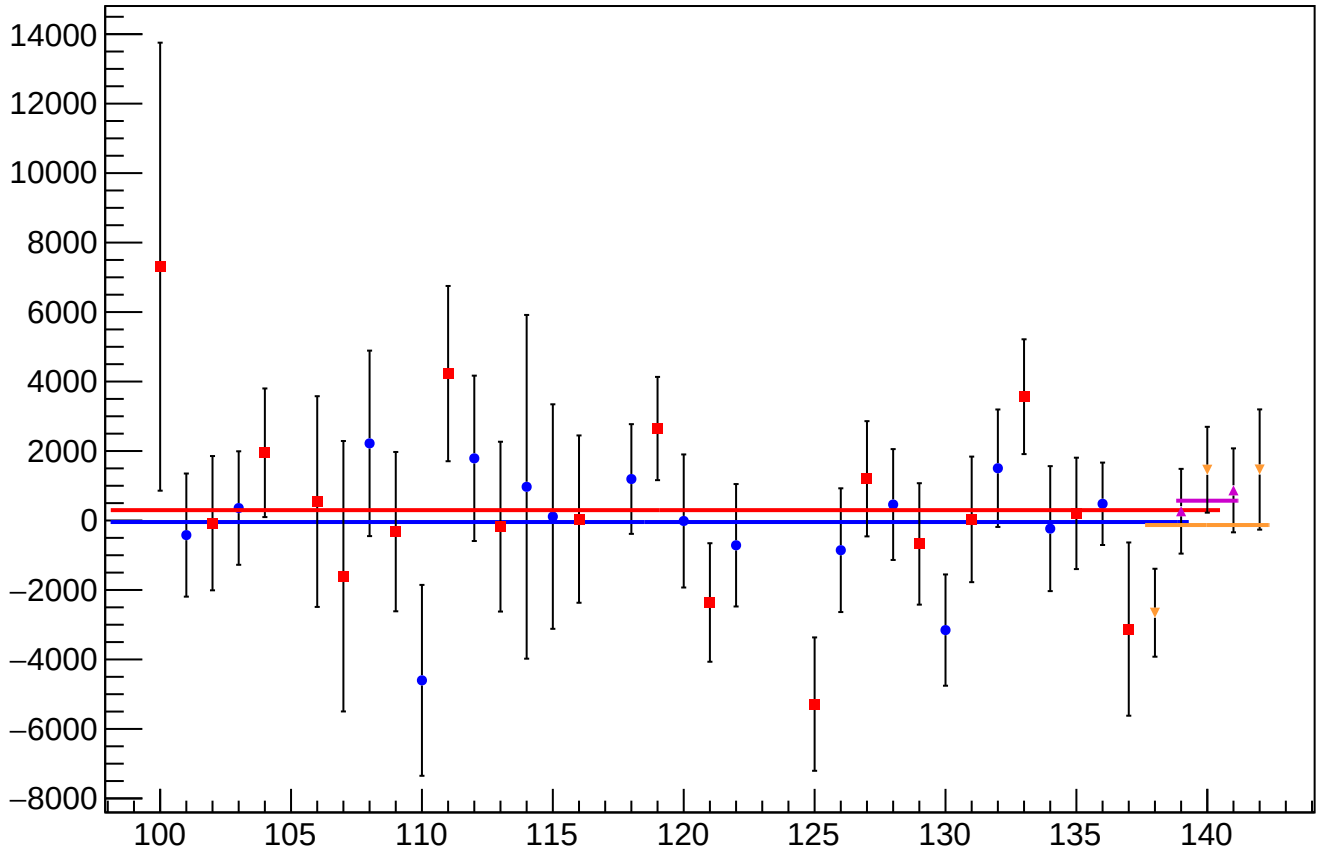
Left: 441.140+/-0.163 χ^2/NDF: 201429.6/4

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 532.969+/-0.133 χ^2/NDF:1545086.9/17

Out: 515.140+/-0.128 χ^2/NDF:1637900.0/20

All: 523.674+/-0.092 χ^2/NDF: 3192340.7/38



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -130.454+/-787.409 χ^2/NDF:6.5/2

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 569.851+/-858.507 χ^2/NDF:0.1/1

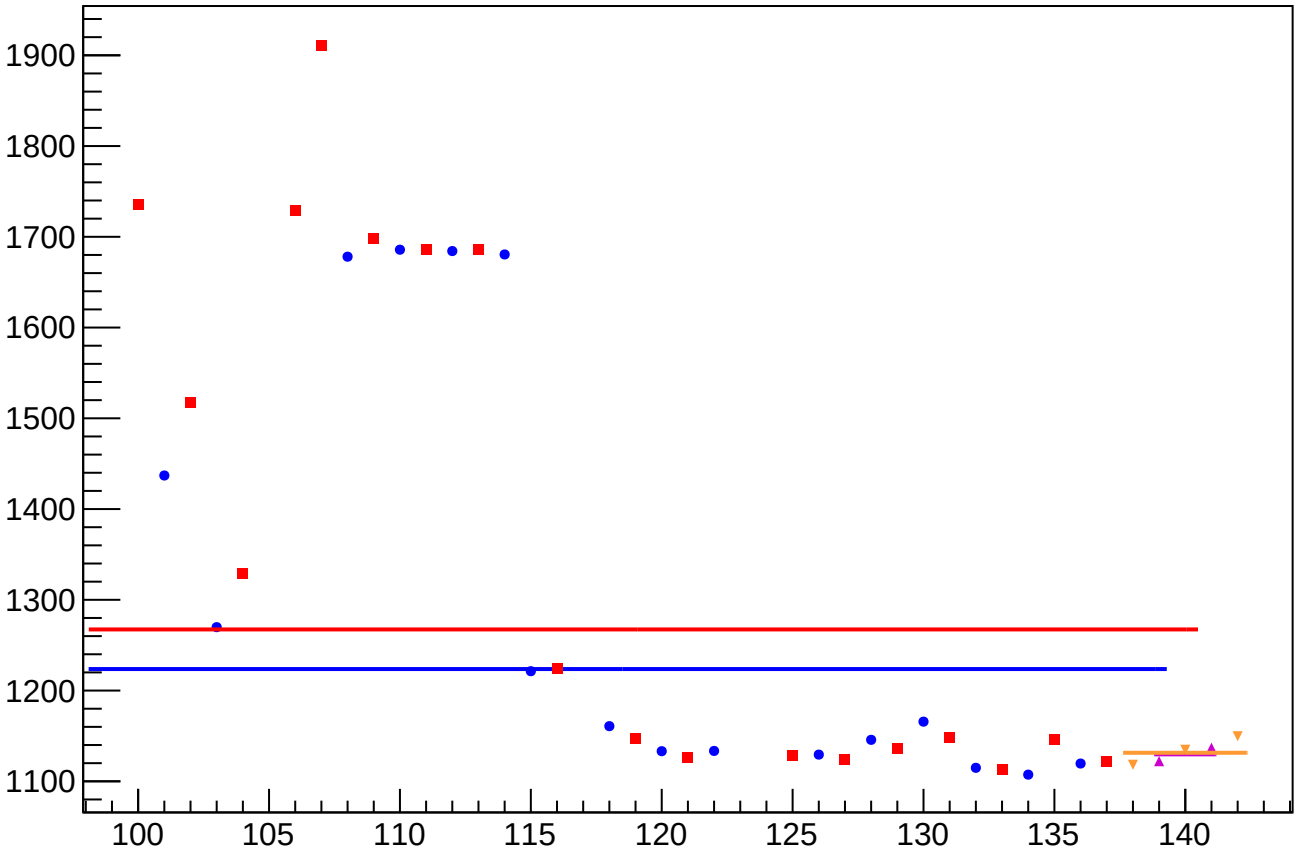
Left: 189.504+/-580.292 χ^2/NDF: 7.0/4

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 92.624+/-404.931 χ^2/NDF:10.6/17

Out: 183.725+/-406.923 χ^2/NDF:31.3/20

All: 137.951+/-287.031 χ^2/NDF: 42.0/38



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.445+/-0.557 χ^2/NDF:453.2/2

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1129.711+/-0.607 χ^2/NDF:150.4/1

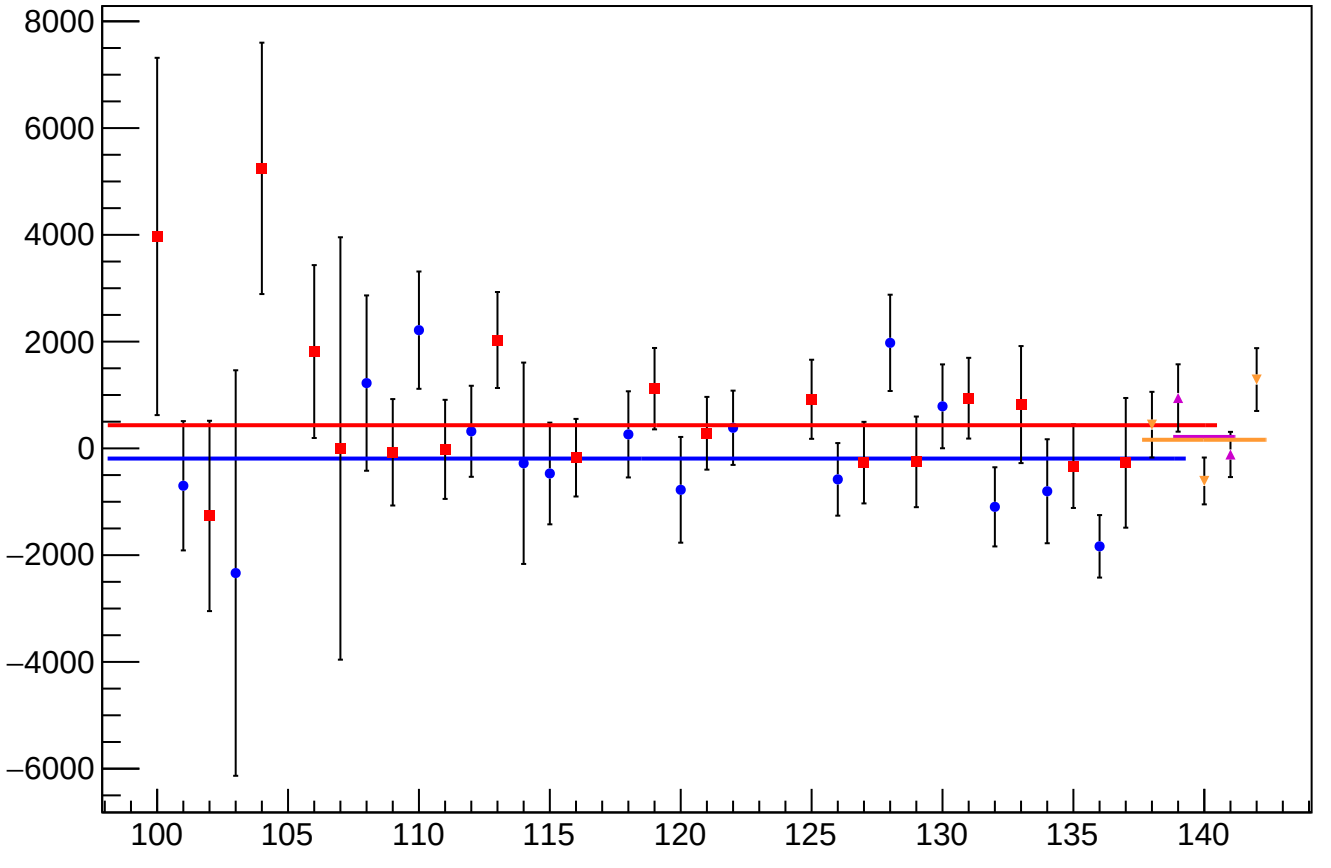
Left: 1130.653+/-0.410 χ^2/NDF: 608.0/4

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1202.794+/-0.286 χ^2/NDF:313757.0/17

Out: 1231.064+/-0.288 χ^2/NDF:484111.9/20

All: 1216.859+/-0.203 χ^2/NDF: 802718.8/38



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 161.129+/-305.331 χ^2/NDF:7.0/2

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 214.308+/-351.549 χ^2/NDF:1.9/1

Left: 183.995+/-230.522 χ^2/NDF: 8.9/4

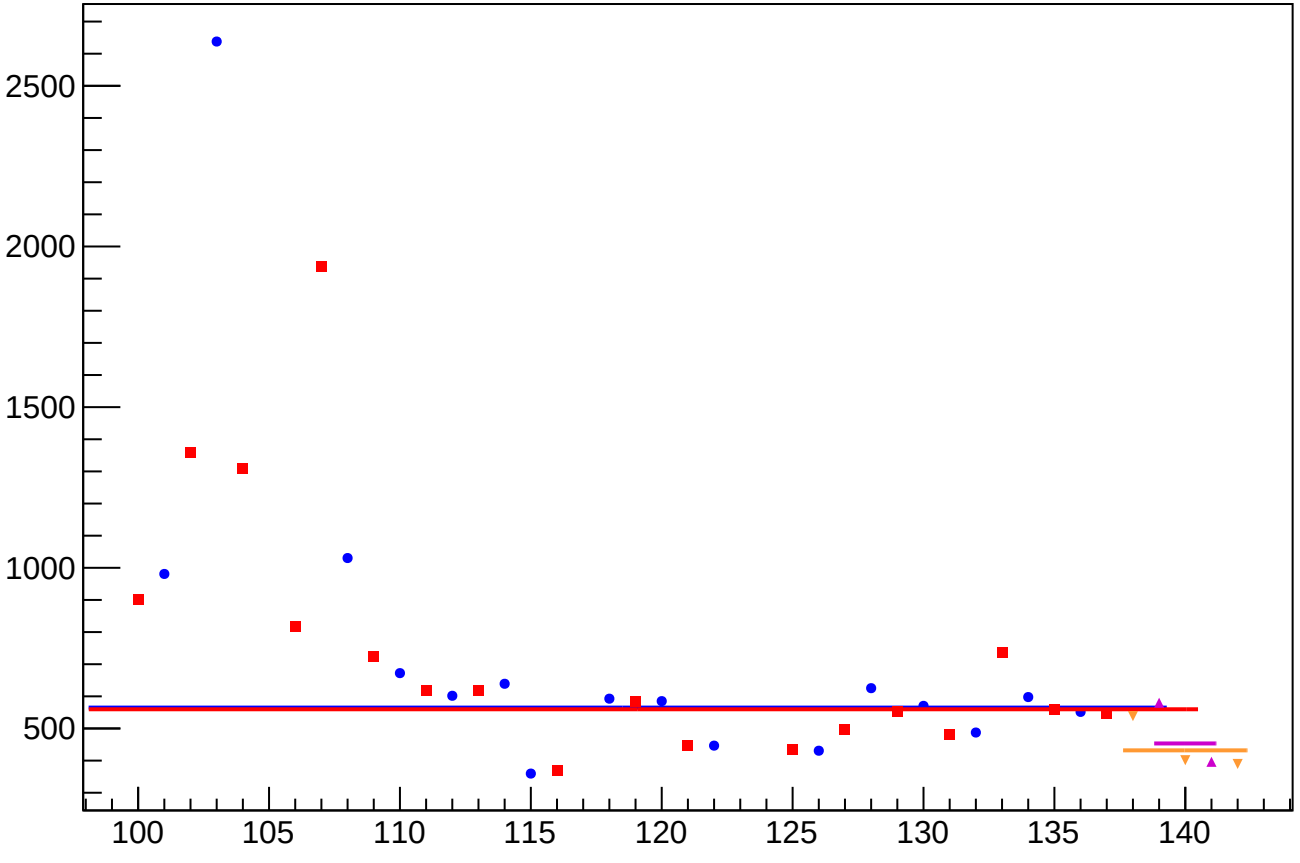
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -74.551+/-188.229 χ^2/NDF:28.1/17

Out: 338.695+/-180.372 χ^2/NDF:23.4/20

All: 140.877+/-130.231 χ^2/NDF: 54.1/38

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 431.904+/-0.216 χ^2/NDF:80238.5/2

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 453.383+/-0.249 χ^2/NDF:116935.3/1

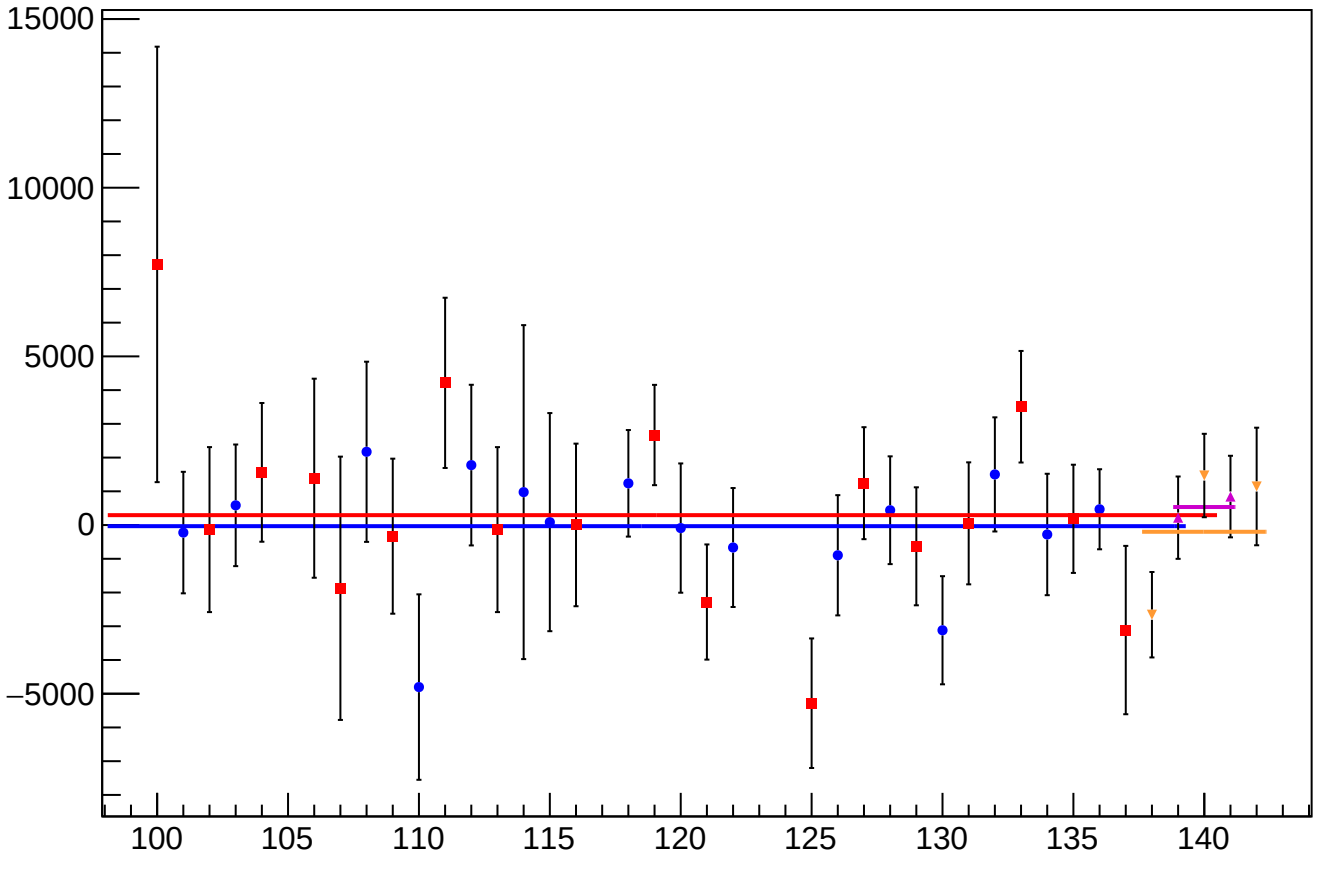
Left: 441.140+/-0.163 χ^2/NDF: 201429.6/4

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 532.969+/-0.133 χ^2/NDF:1545086.9/17

Out: 515.140+/-0.128 χ^2/NDF:1637900.0/20

All: 523.674+/-0.092 χ^2/NDF: 3192340.7/38



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -199.423+/-788.856 χ^2/NDF:6.2/2

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 534.506+/-858.886 χ^2/NDF:0.1/1

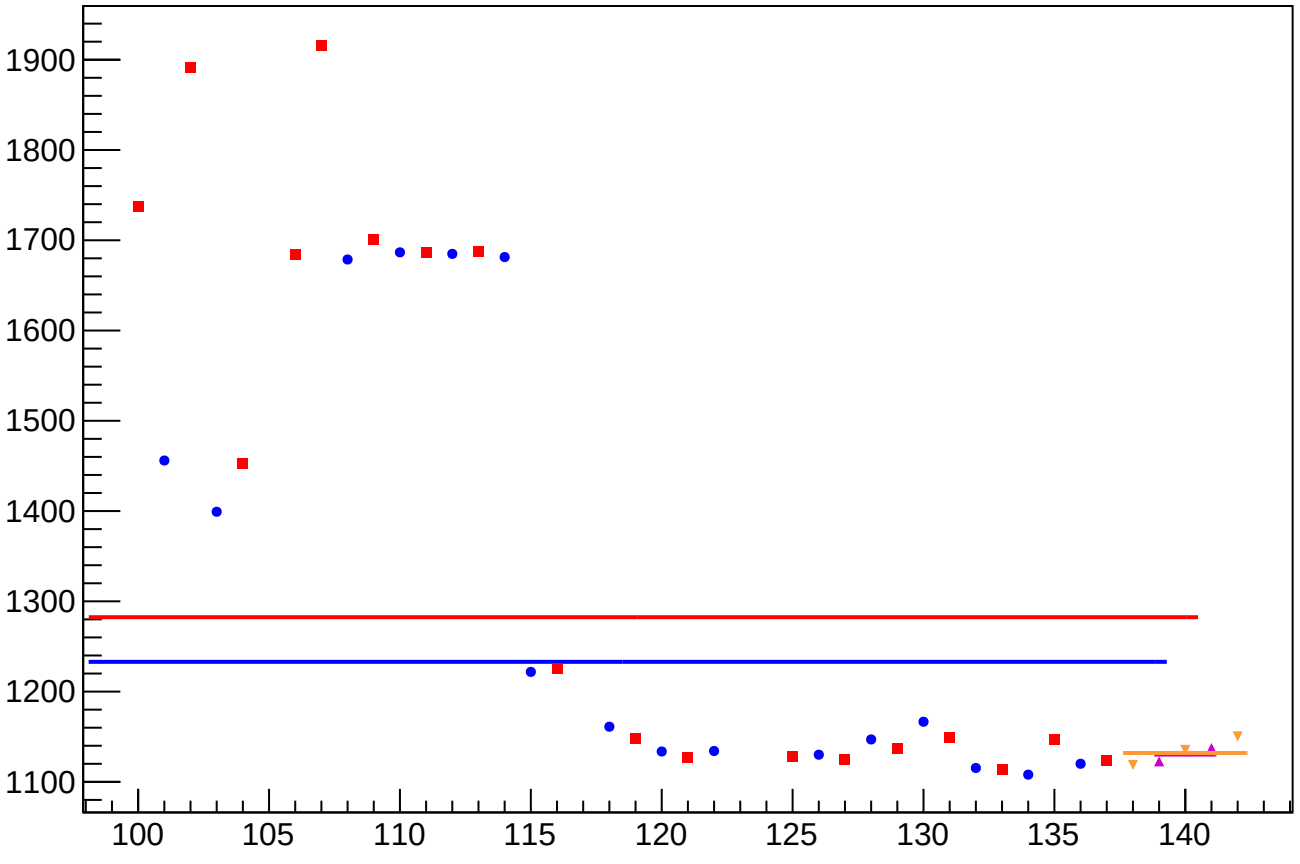
Left: 136.405+/-580.988 χ^2/NDF: 6.7/4

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 94.826+/-407.702 χ^2/NDF:10.7/17

Out: 158.673+/-412.440 χ^2/NDF:30.7/20

All: 126.381+/-289.949 χ^2/NDF: 41.5/38



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1132.004+/-0.558 χ^2/NDF:456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1130.209+/-0.607 χ^2/NDF:148.4/1

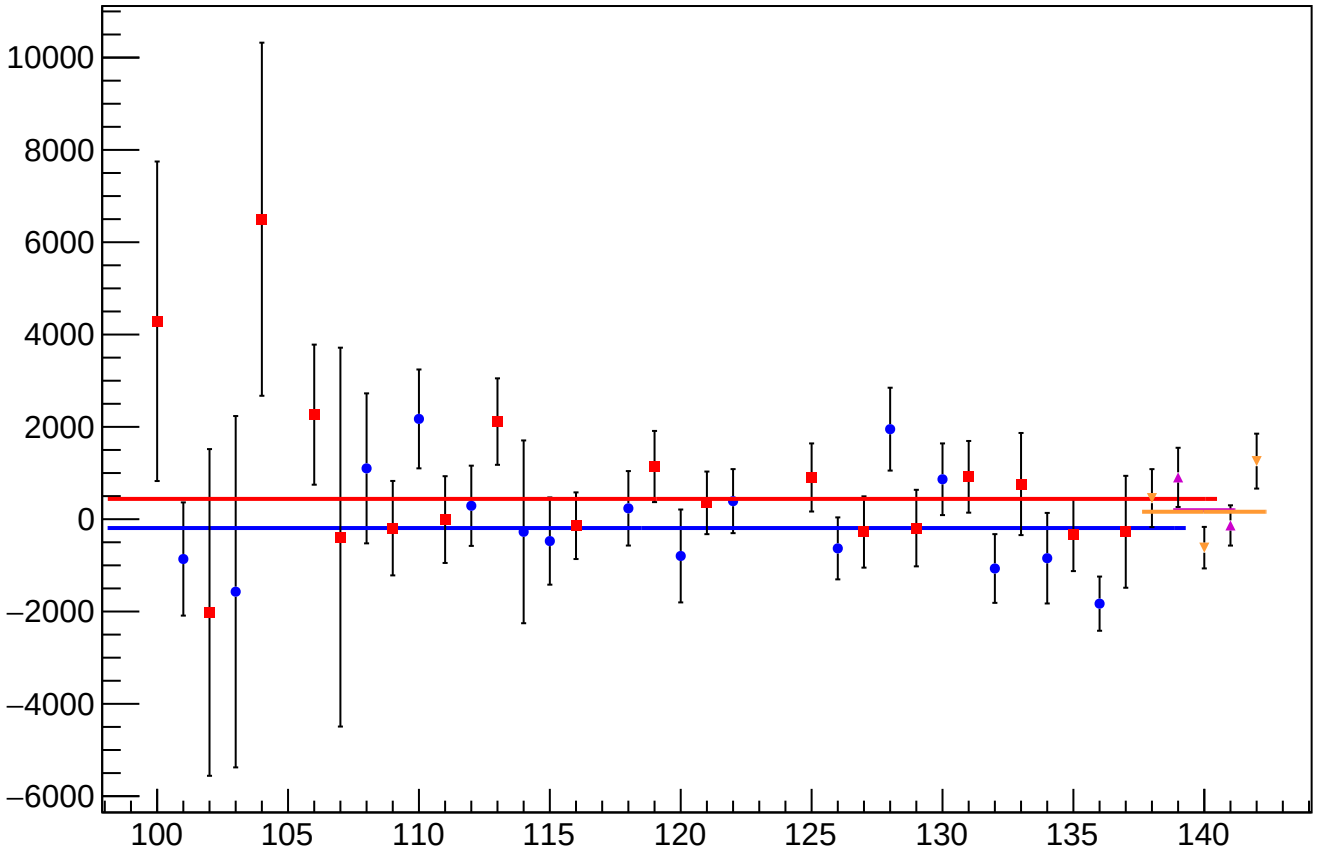
Left: 1131.182+/-0.411 χ^2/NDF: 609.8/4

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1209.811+/-0.288 χ^2/NDF:337795.6/17

Out: 1241.294+/-0.292 χ^2/NDF:596689.1/20

All: 1225.370+/-0.205 χ^2/NDF: 940378.6/38



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: 161.403+/-311.454 χ^2/NDF:6.6/2

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 194.194+/-360.728 χ^2/NDF:1.8/1

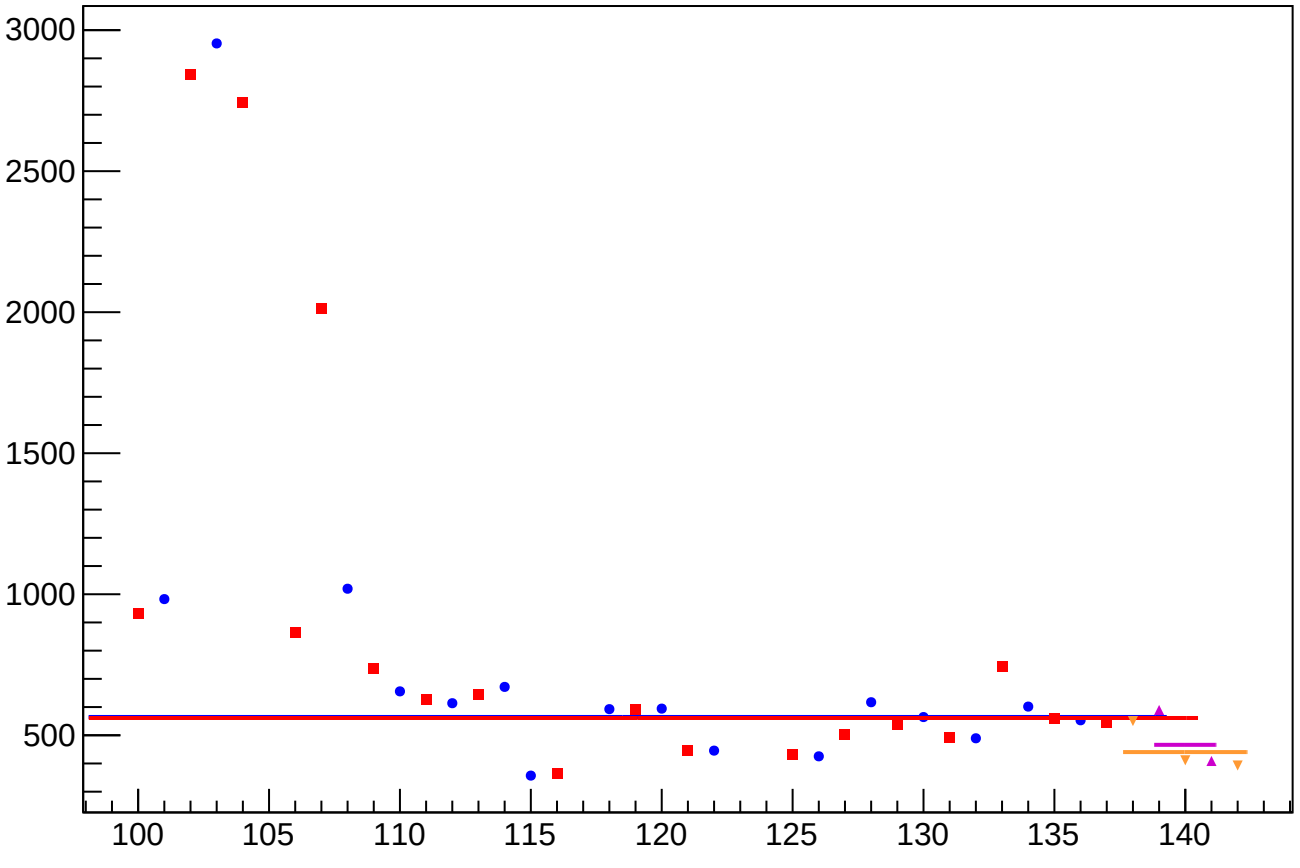
Left: 175.408+/-235.743 χ^2/NDF: 8.4/4

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -85.040+/-189.536 χ^2/NDF:27.9/17

Out: 343.317+/-183.235 χ^2/NDF:21.8/20

All: 136.376+/-131.738 χ^2/NDF: 52.3/38



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 440.427+/-0.220 χ^2/NDF:82617.4/2

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 466.107+/-0.255 χ^2/NDF:108589.6/1

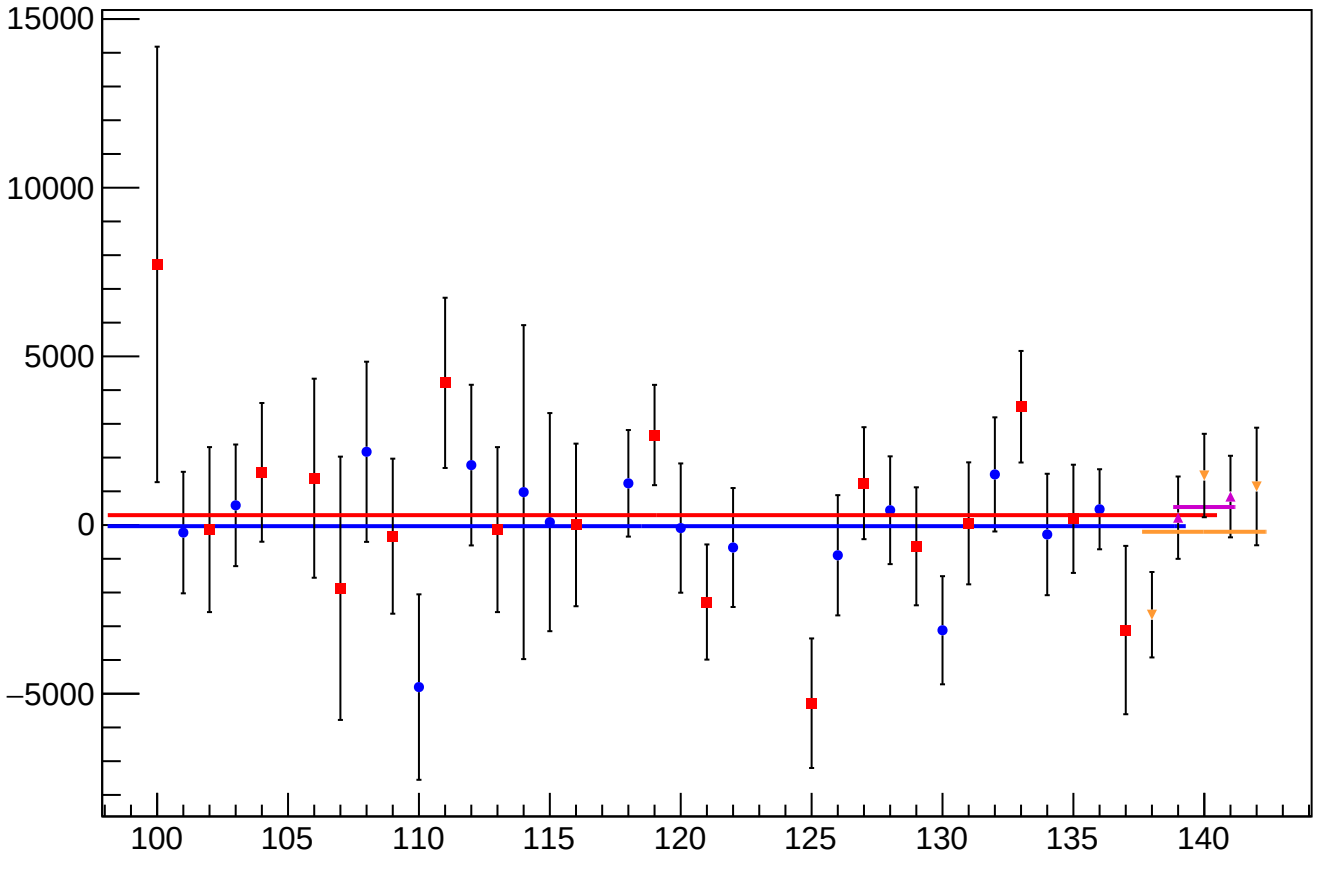
Left: 451.395+/-0.167 χ^2/NDF: 197014.3/4

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 537.605+/-0.134 χ^2/NDF:1697497.2/17

Out: 519.445+/-0.130 χ^2/NDF:2552871.6/20

All: 528.218+/-0.093 χ^2/NDF: 4259858.6/38



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -199.423+/-788.856 χ^2/NDF:6.2/2

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 534.508+/-858.886 χ^2/NDF:0.1/1

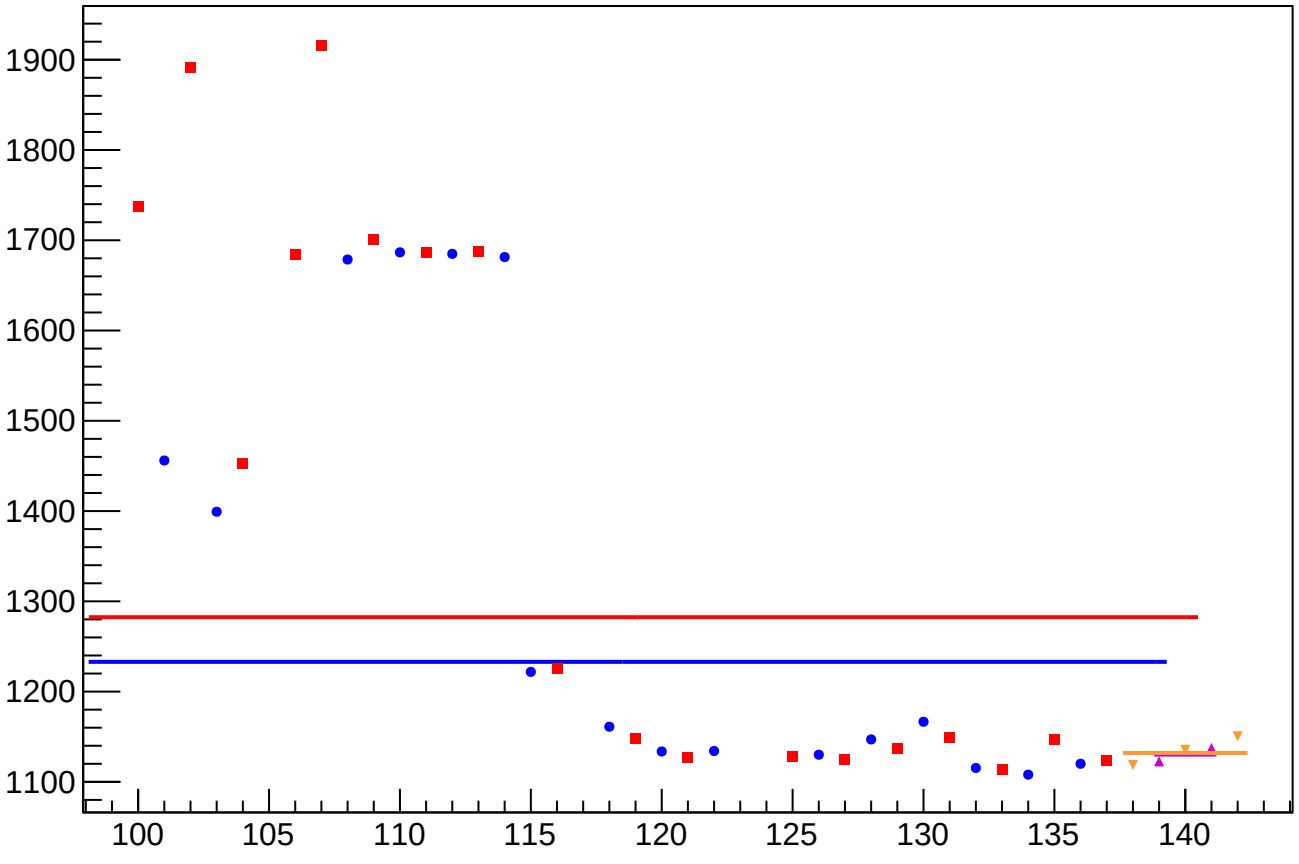
Left: 136.406+/-580.988 χ^2/NDF: 6.7/4

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 94.827+/-407.702 χ^2/NDF:10.7/17

Out: 158.673+/-412.440 χ^2/NDF:30.7/20

All: 126.381+/-289.949 χ^2/NDF: 41.5/38



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1132.004+/-0.558 χ^2/NDF:456.6/2

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1130.209+/-0.607 χ^2/NDF:148.4/1

Left: 1131.182+/-0.411 χ^2/NDF: 609.8/4

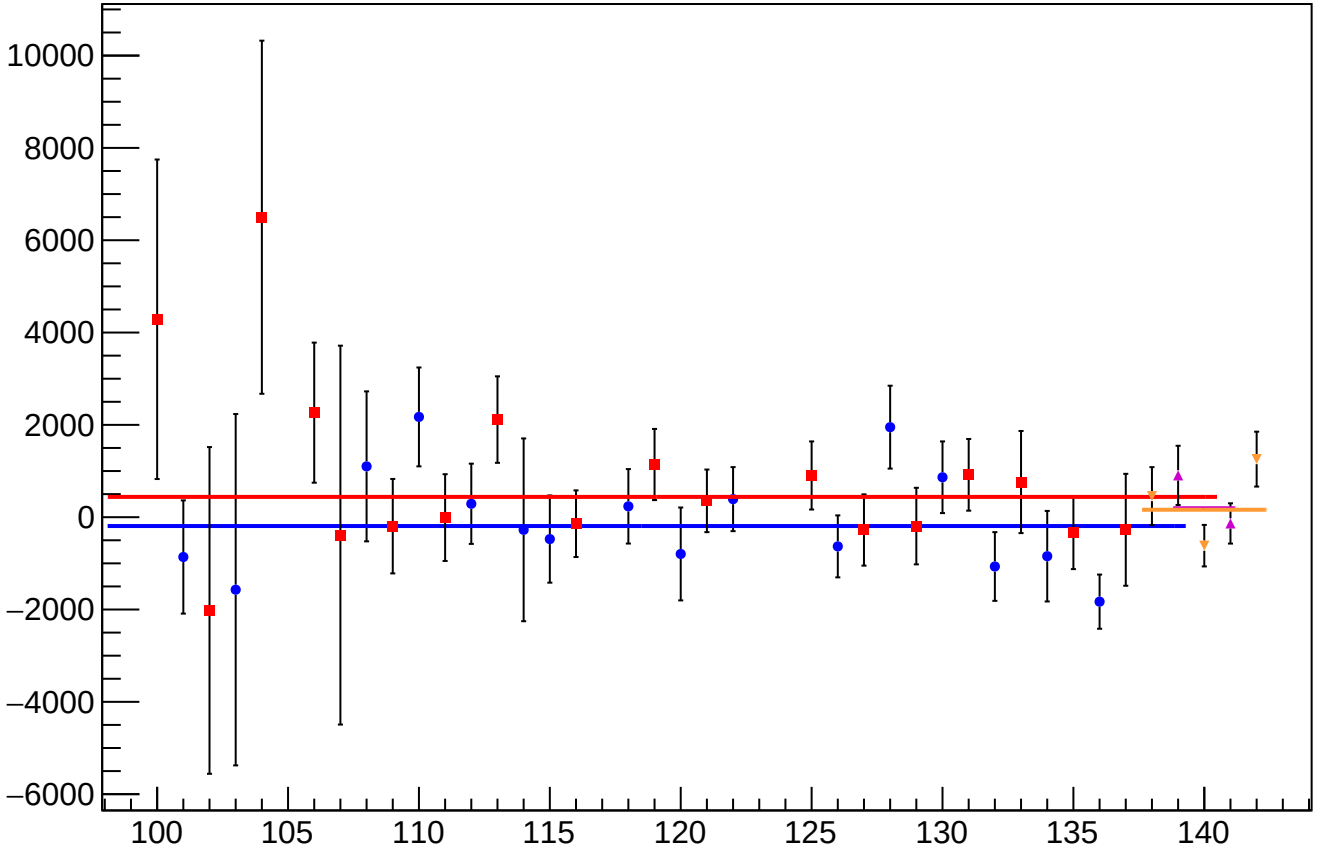
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1209.811+/-0.288 χ^2/NDF:337795.2/17

Out: 1241.293+/-0.292 χ^2/NDF:596688.5/20

All: 1225.370+/-0.205 χ^2/NDF: 940377.6/38

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: 161.404+/-311.453 χ^2/NDF:6.6/2

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: 175.408+/-235.742 χ^2/NDF: 8.4/4

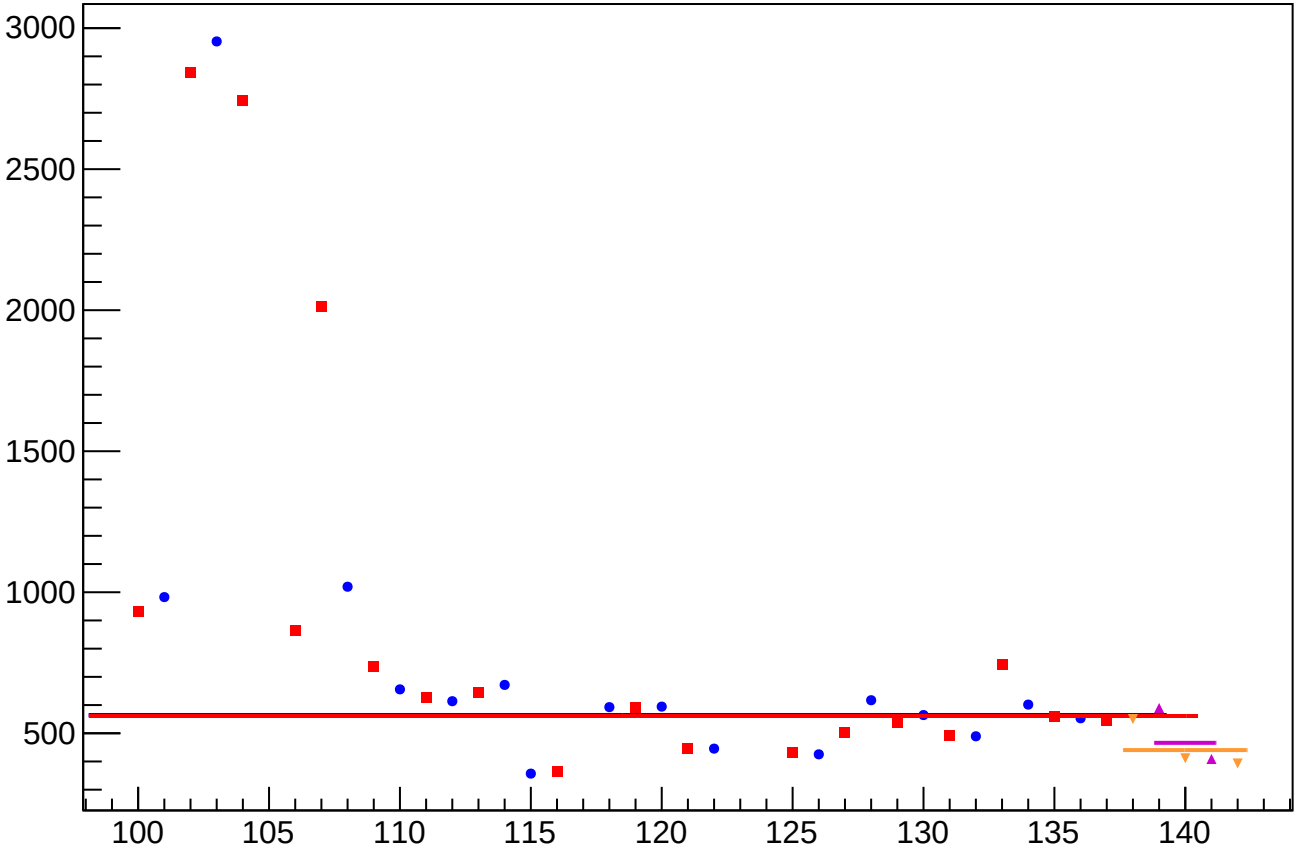
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -85.041+/-189.536 χ^2/NDF:27.9/17

Out: 343.317+/-183.235 χ^2/NDF:21.8/20

All: 136.376+/-131.738 χ^2/NDF: 52.3/38

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: 440.425+/-0.220 χ^2/NDF:82621.5/2

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 466.107+/-0.255 χ^2/NDF:108593.0/1

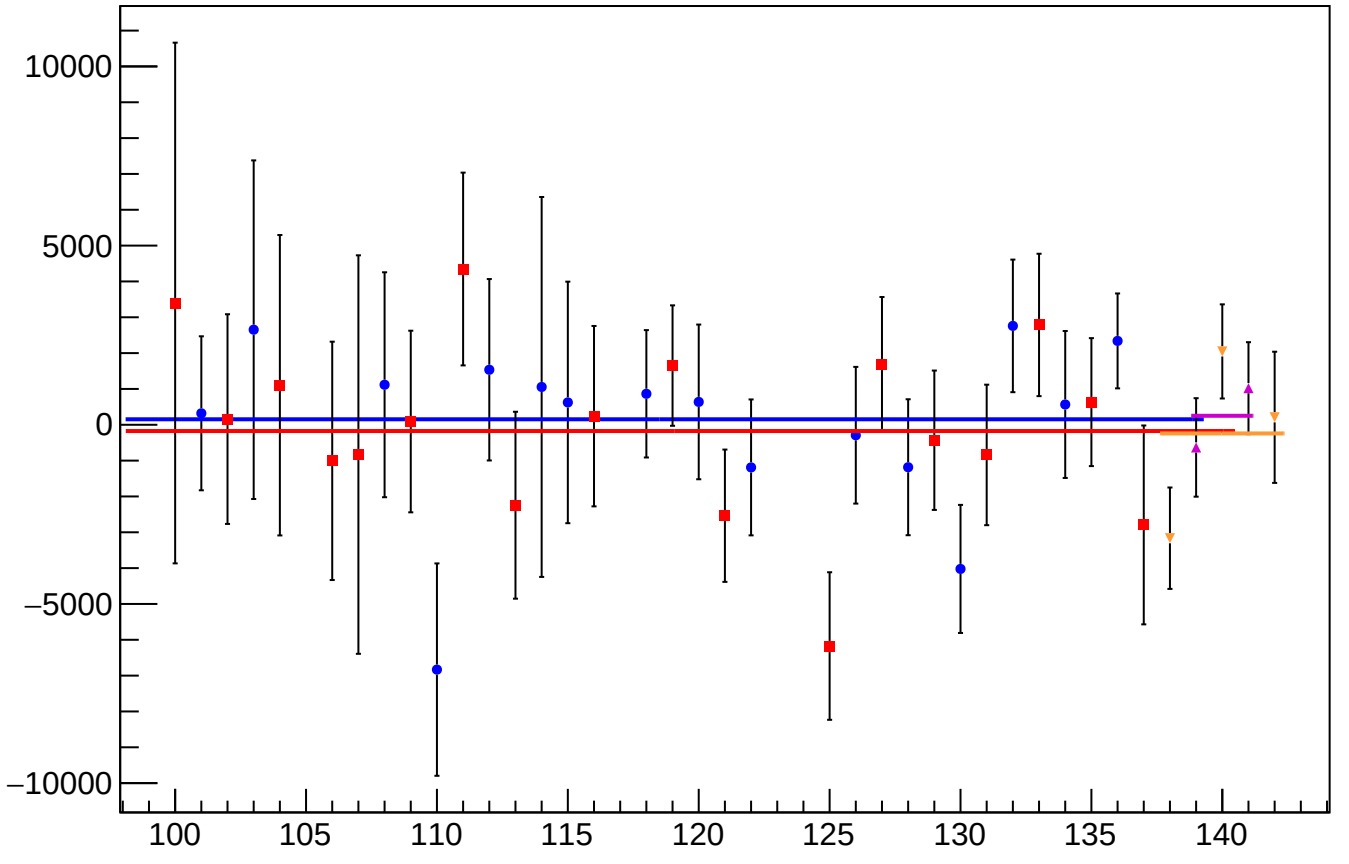
Left: 451.394+/-0.167 χ^2/NDF: 197022.2/4

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 537.605+/-0.134 χ^2/NDF:1697498.9/17

Out: 519.445+/-0.130 χ^2/NDF:2552880.8/20

All: 528.218+/-0.093 χ^2/NDF: 4259870.0/38



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -241.357+/-852.066 χ^2/NDF:7.4/2

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: -18.636+/-630.647 χ^2/NDF: 8.3/4

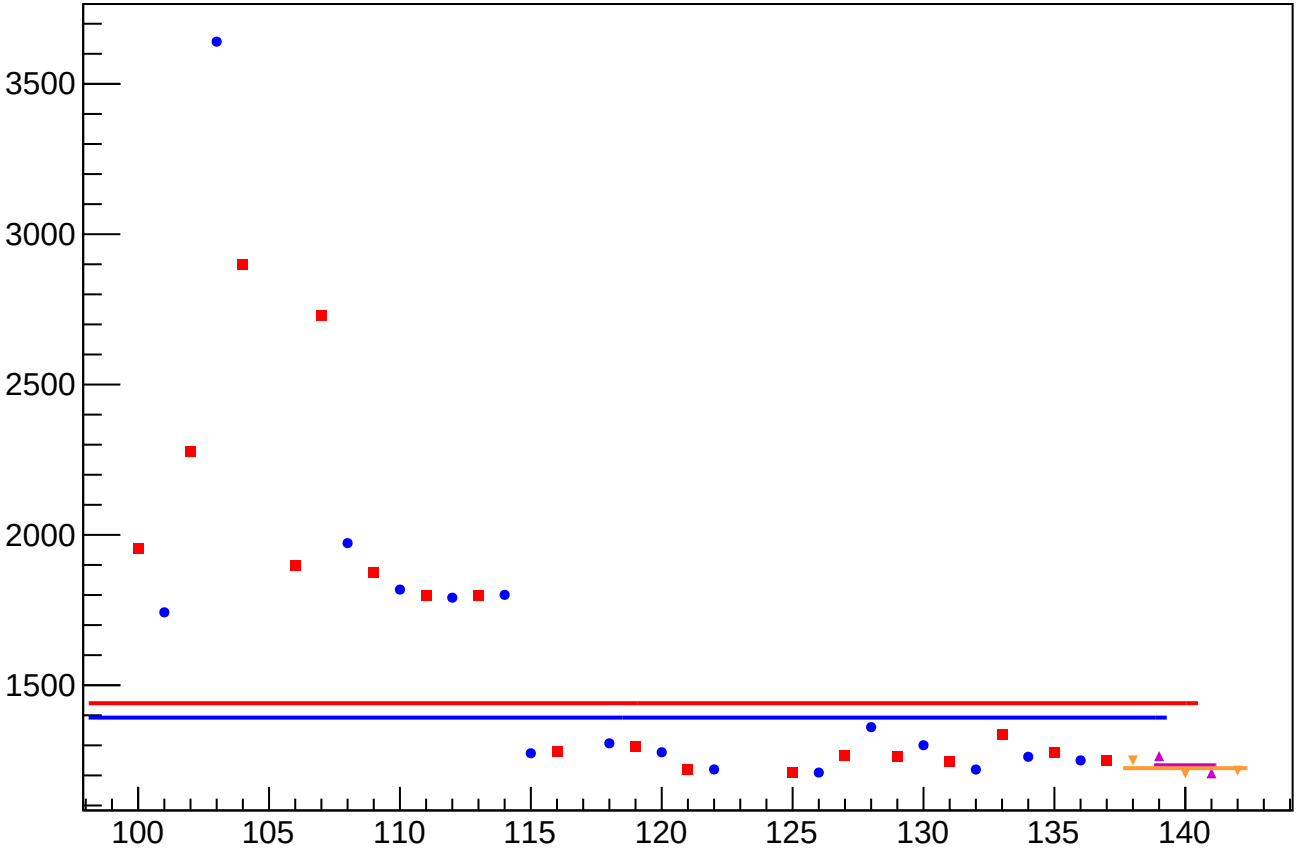
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 177.191+/-462.796 χ^2/NDF:18.5/17

Out: -194.044+/-462.185 χ^2/NDF:27.0/20

All: -8.671+/-327.030 χ^2/NDF: 45.9/38

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1224.114+/-0.603 χ^2/NDF:1063.8/2

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1233.752+/-0.663 χ^2/NDF:1840.1/1

Left: 1228.472+/-0.446 χ^2/NDF: 3019.6/4

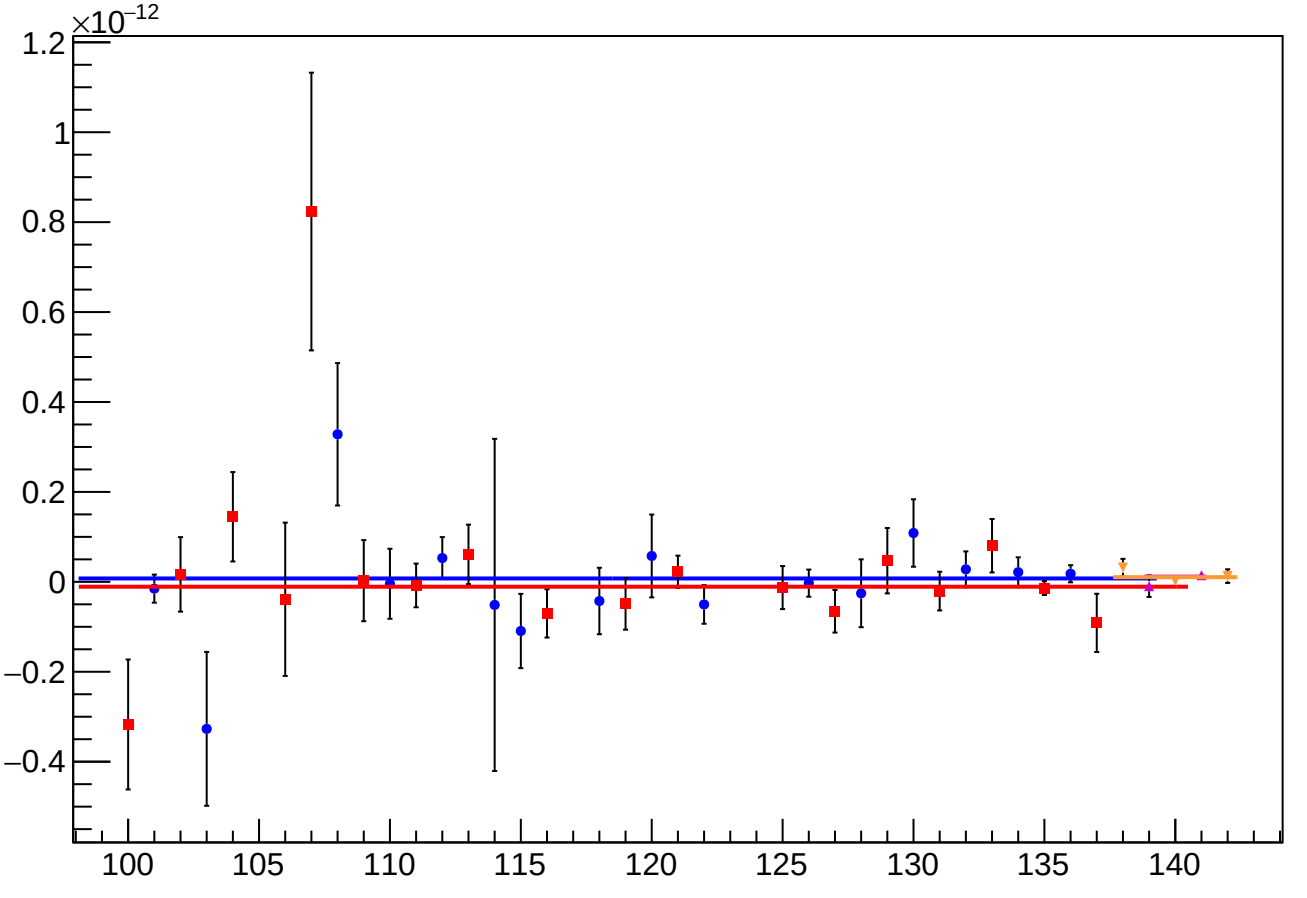
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1353.690+/-0.327 χ^2/NDF:824322.0/17

Out: 1376.637+/-0.327 χ^2/NDF:946750.3/20

All: 1365.179+/-0.231 χ^2/NDF: 1773534.1/38

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/2

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

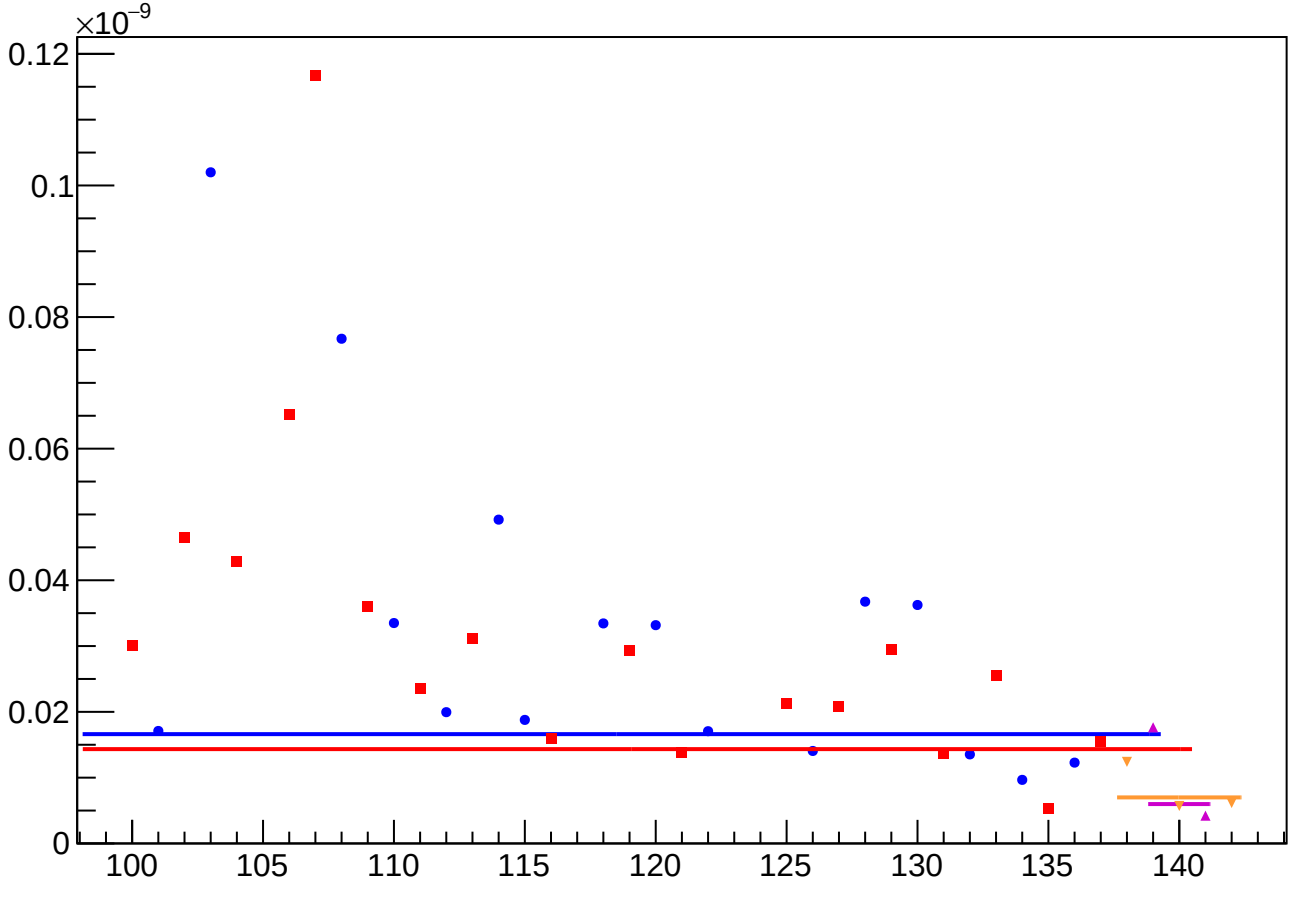
Left: 0.000+/-0.000 χ^2/NDF: 2.7/4

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:28.3/20

All: 0.000+/-0.000 χ^2/NDF: 46.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:188322.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:542968.9/1

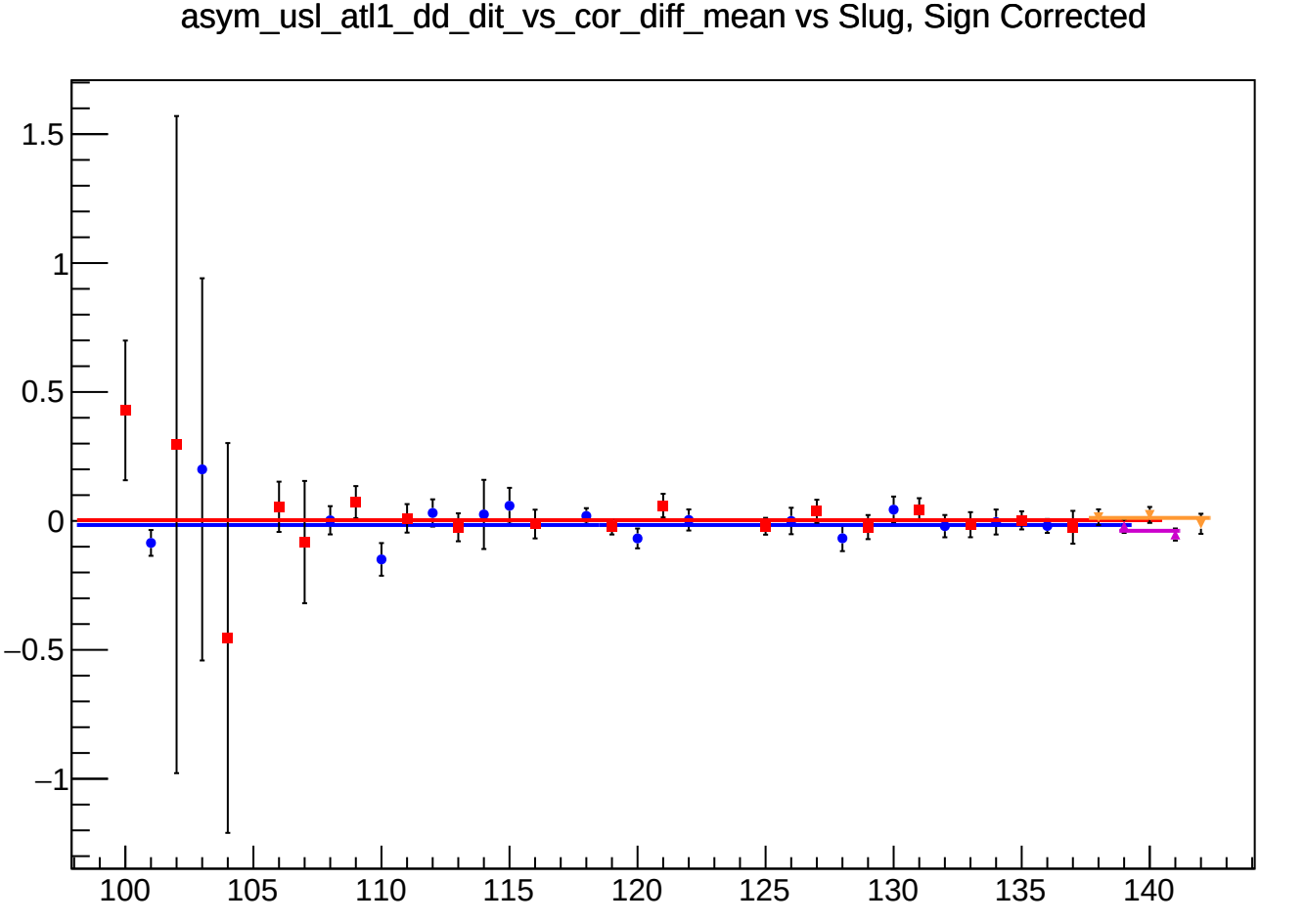
Left: 0.000+/-0.000 χ^2/NDF: 745700.7/4

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:3049789.5/20

All: 0.000+/-0.000 χ^2/NDF: 6335319.3/38



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

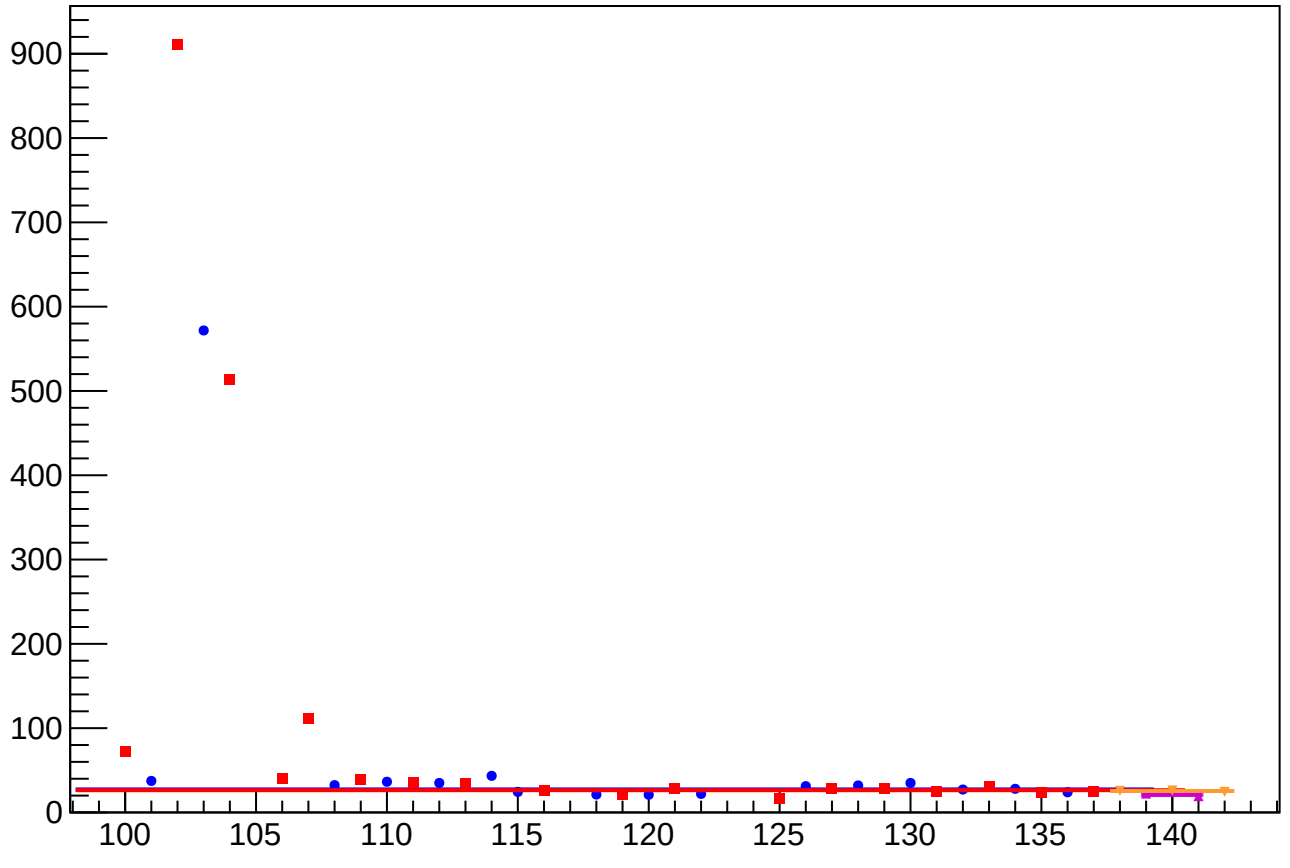
Left: -0.015+/-0.013 χ^2/NDF: 5.1/4

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.009+/-0.007 χ^2/NDF: 31.2/38



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.465+/-0.013 χ^2/NDF:2247.4/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.759+/-0.012 χ^2/NDF:15533.9/1

Left: 22.922+/-0.009 χ^2/NDF: 84172.9/4

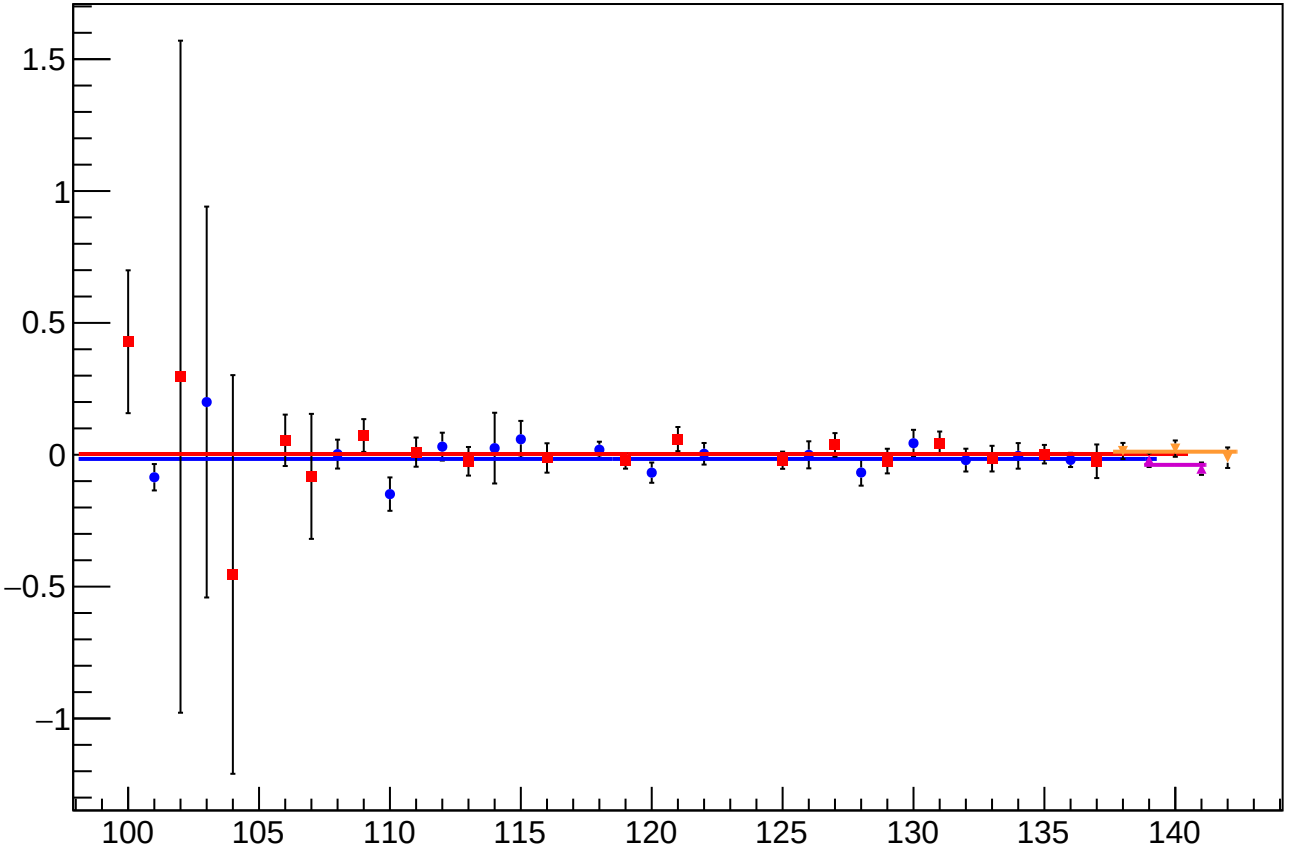
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.319+/-0.007 χ^2/NDF:1778514.1/17

Out: 26.133+/-0.007 χ^2/NDF:2620398.1/20

All: 25.705+/-0.005 χ^2/NDF: 4405665.8/38

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: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

Left: -0.015+/-0.013 χ^2/NDF: 5.1/4

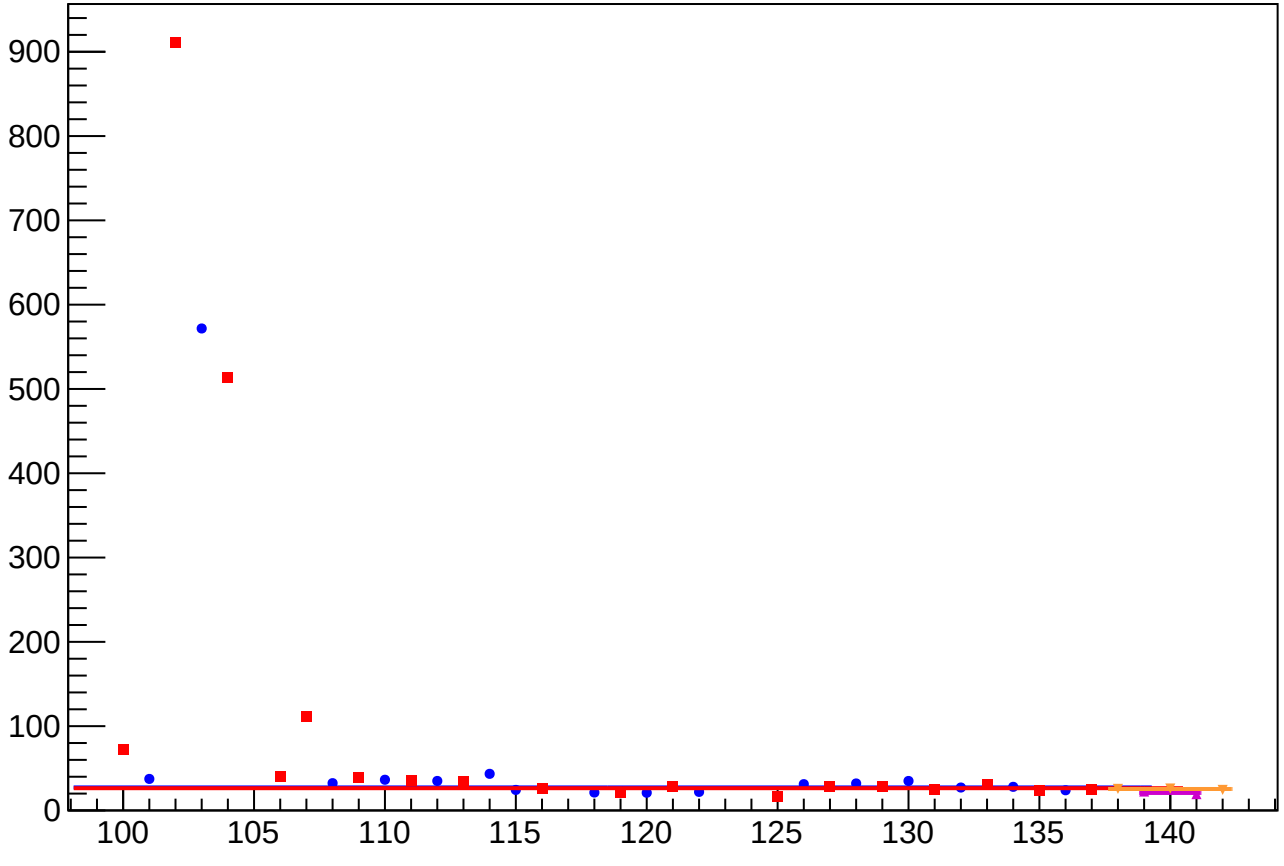
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.009+/-0.007 χ^2/NDF: 31.2/38

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: 25.465+/-0.013 χ^2/NDF:2247.4/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.759+/-0.012 χ^2/NDF:15533.9/1

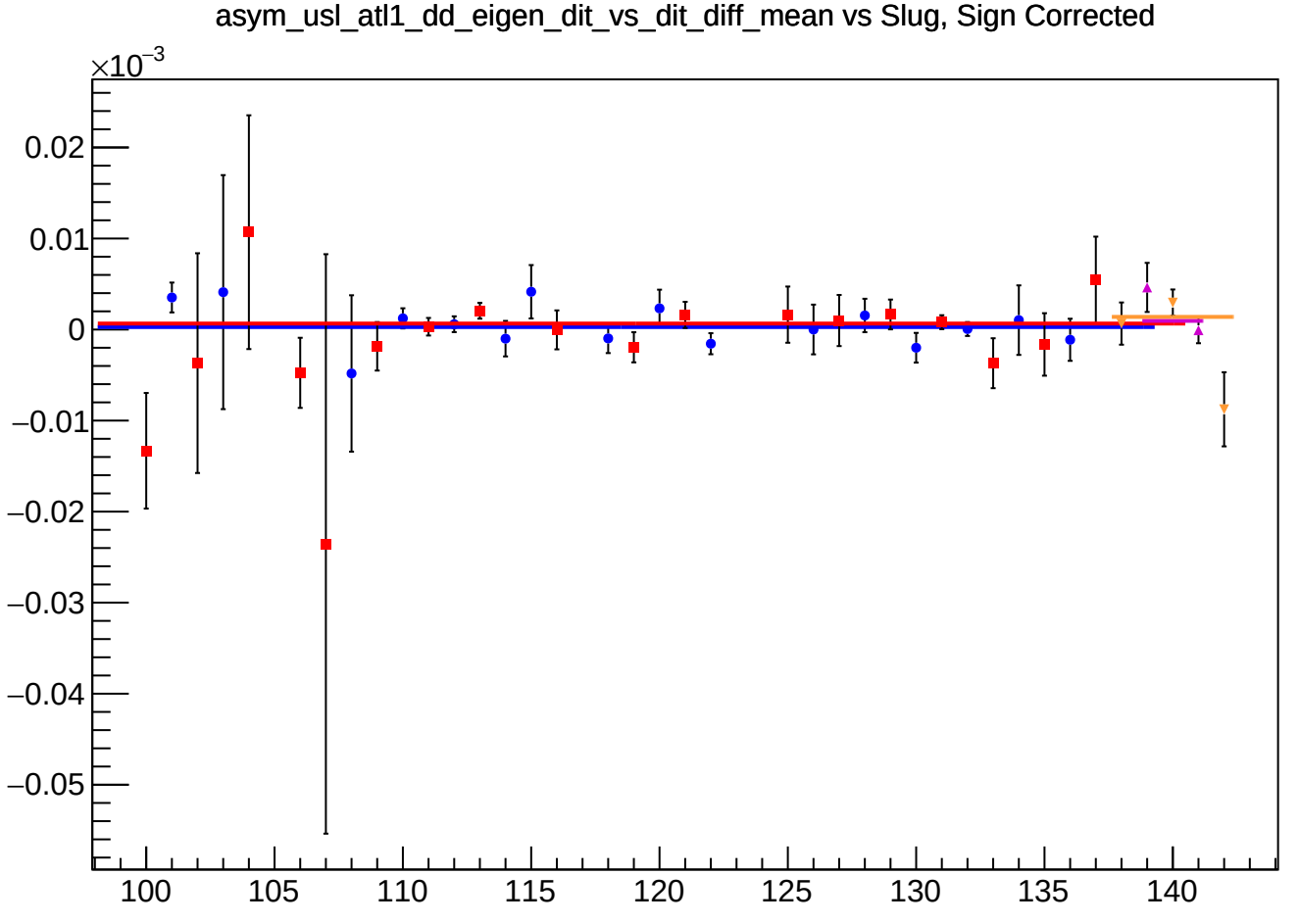
Left: 22.922+/-0.009 χ^2/NDF: 84172.9/4

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.319+/-0.007 χ^2/NDF:1778514.1/17

Out: 26.133+/-0.007 χ^2/NDF:2620398.1/20

All: 25.705+/-0.005 χ^2/NDF: 4405665.8/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

Left: 0.000+/-0.000 χ^2/NDF: 9.9/4

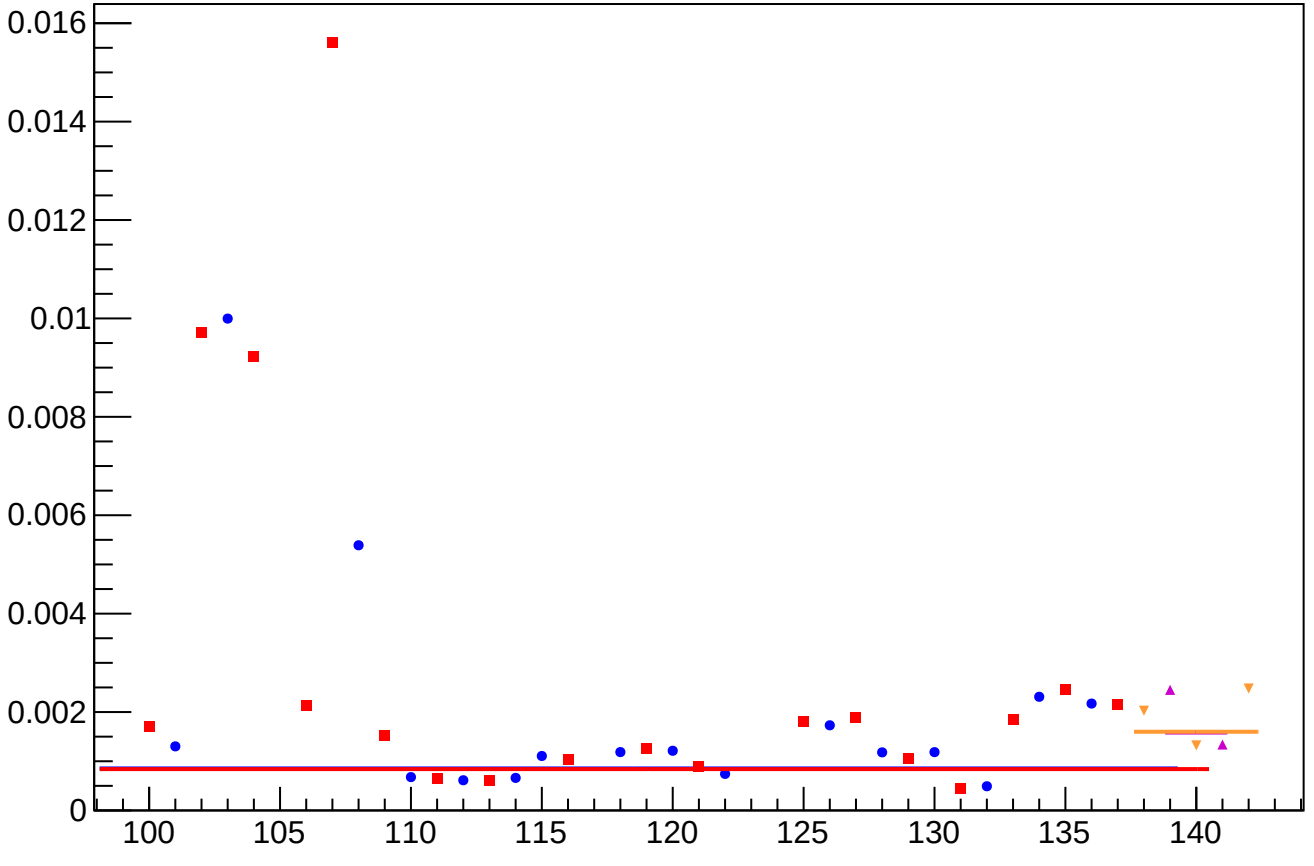
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.1/17

Out: 0.000+/-0.000 χ^2/NDF:27.1/20

All: 0.000+/-0.000 χ^2/NDF: 44.8/38

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:234693.4/2

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:265008.5/1

Left: 0.002+/-0.000 χ^2/NDF: 499870.9/4

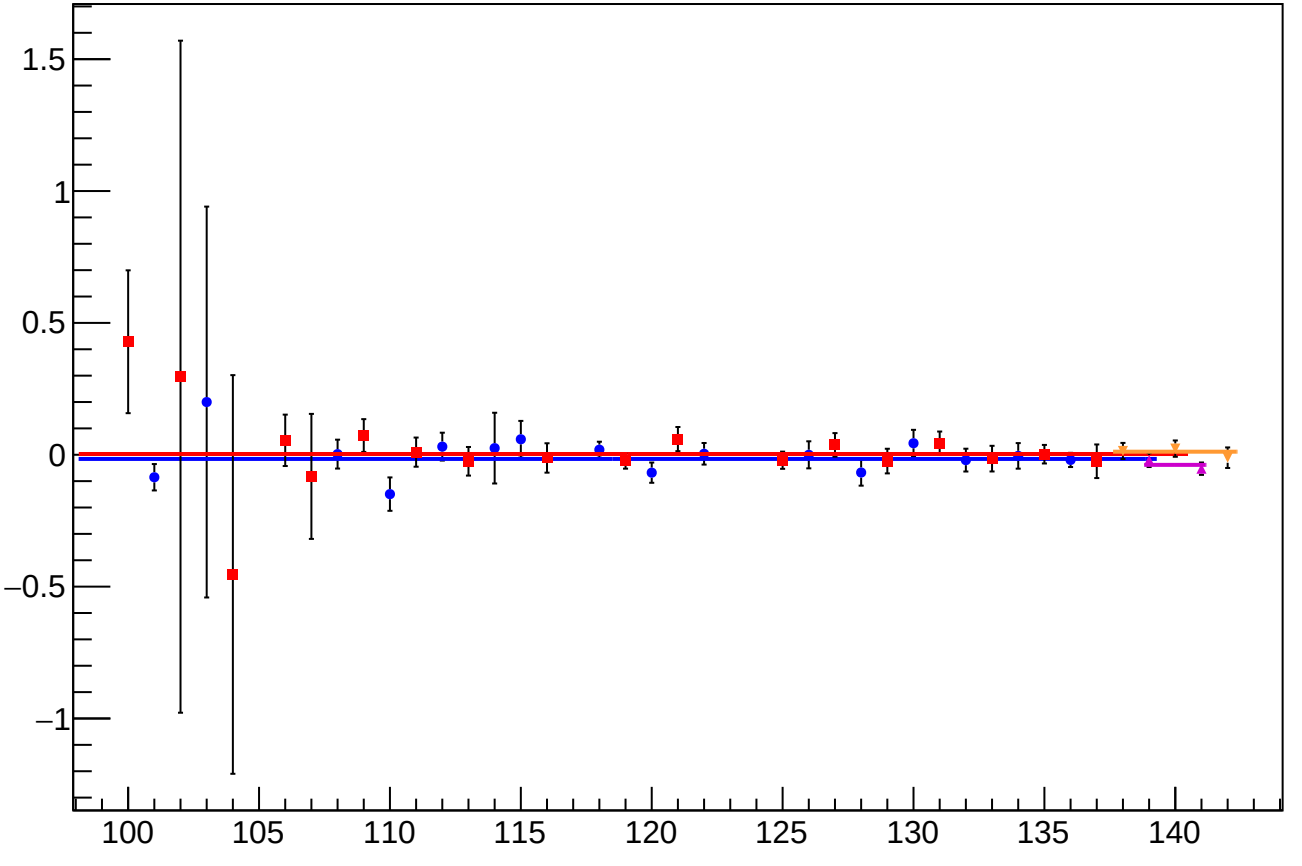
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:4742713.4/17

Out: 0.001+/-0.000 χ^2/NDF:6022470.4/20

All: 0.001+/-0.000 χ^2/NDF: 10765474.2/38

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

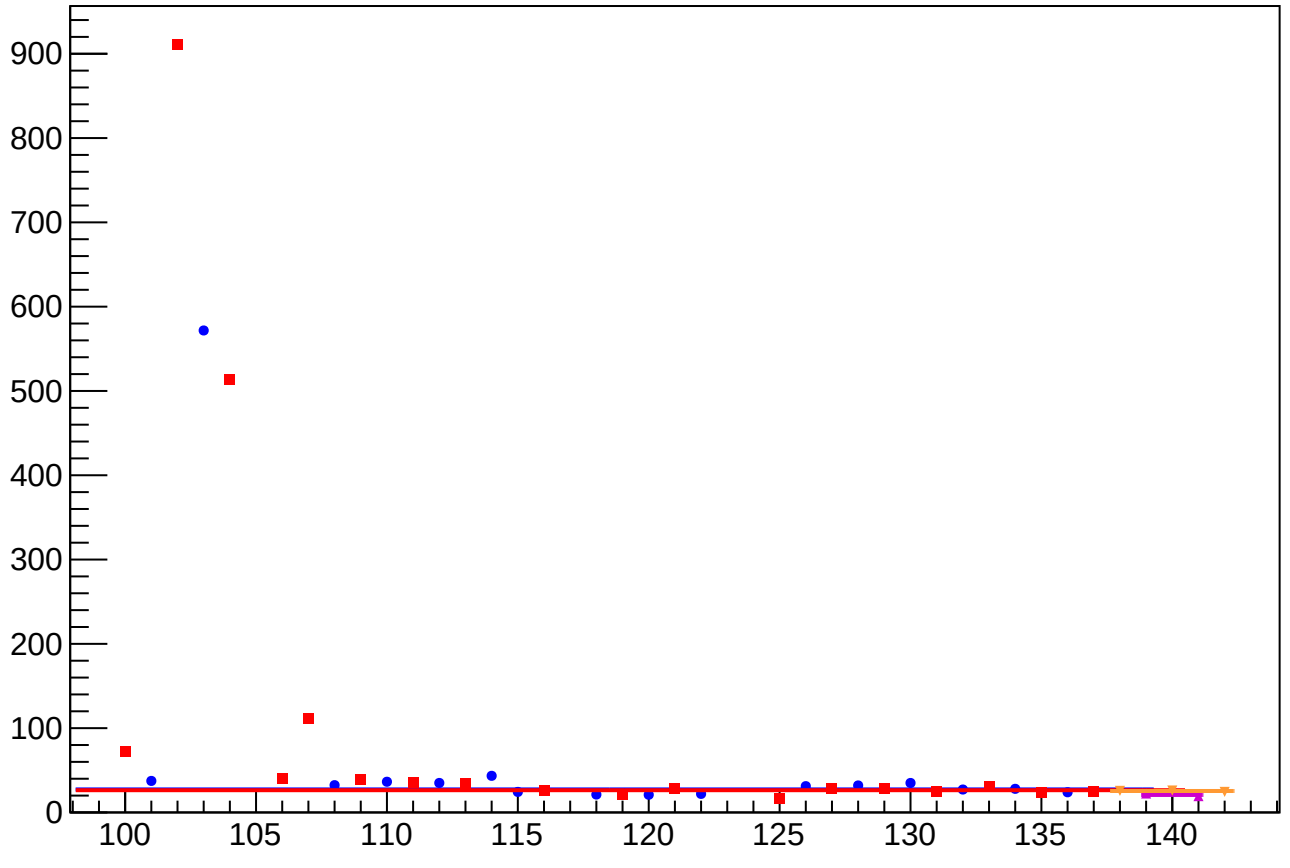
Left: -0.015+/-0.013 χ^2/NDF: 5.1/4

Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.009+/-0.007 χ^2/NDF: 31.1/38



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.465+/-0.013 χ^2/NDF:2248.0/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.758+/-0.012 χ^2/NDF:15547.1/1

Left: 22.922+/-0.009 χ^2/NDF: 84191.1/4

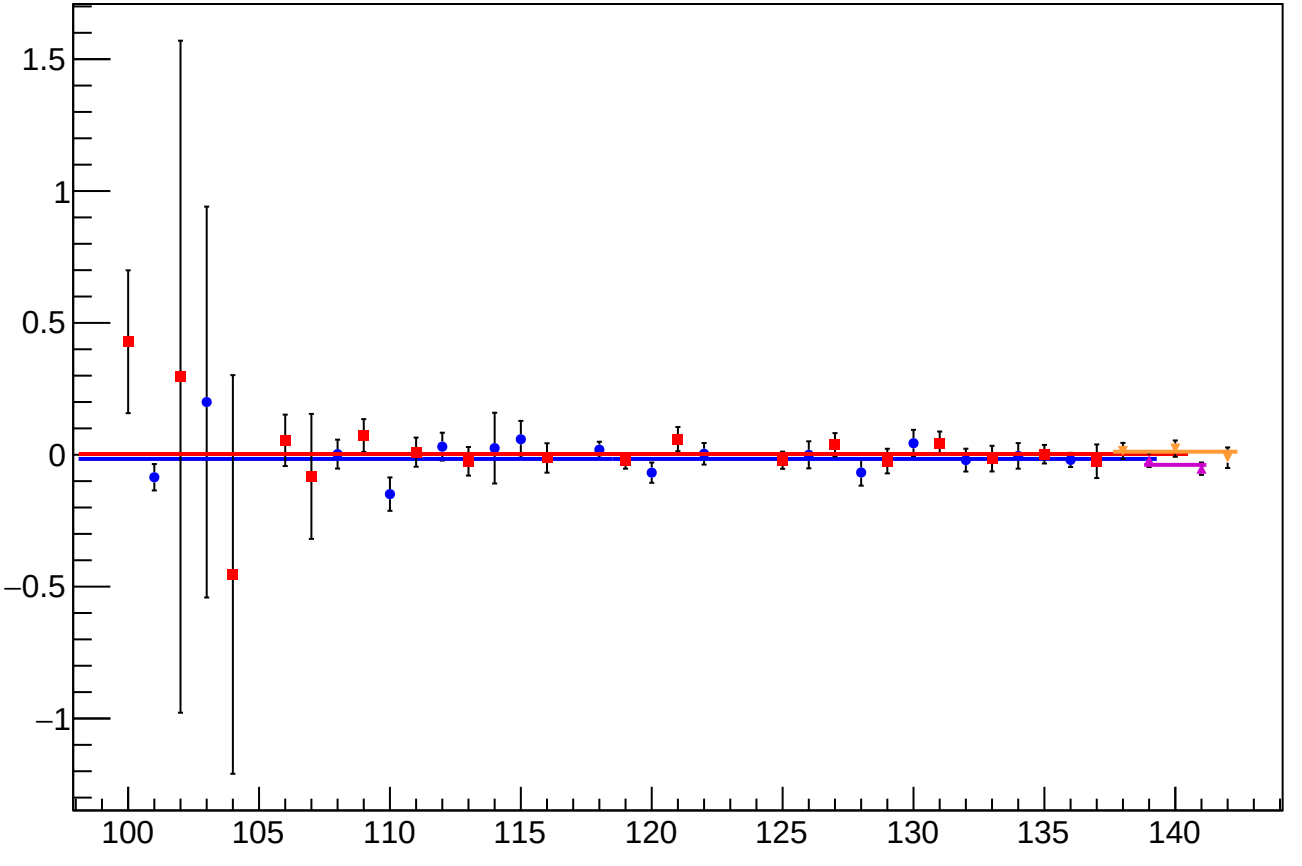
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.318+/-0.007 χ^2/NDF:1778536.8/17

Out: 26.133+/-0.007 χ^2/NDF:2620418.0/20

All: 25.705+/-0.005 χ^2/NDF: 4405709.3/38

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: 0.012+/-0.019 χ^2/NDF:0.5/2

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.038+/-0.018 χ^2/NDF:0.9/1

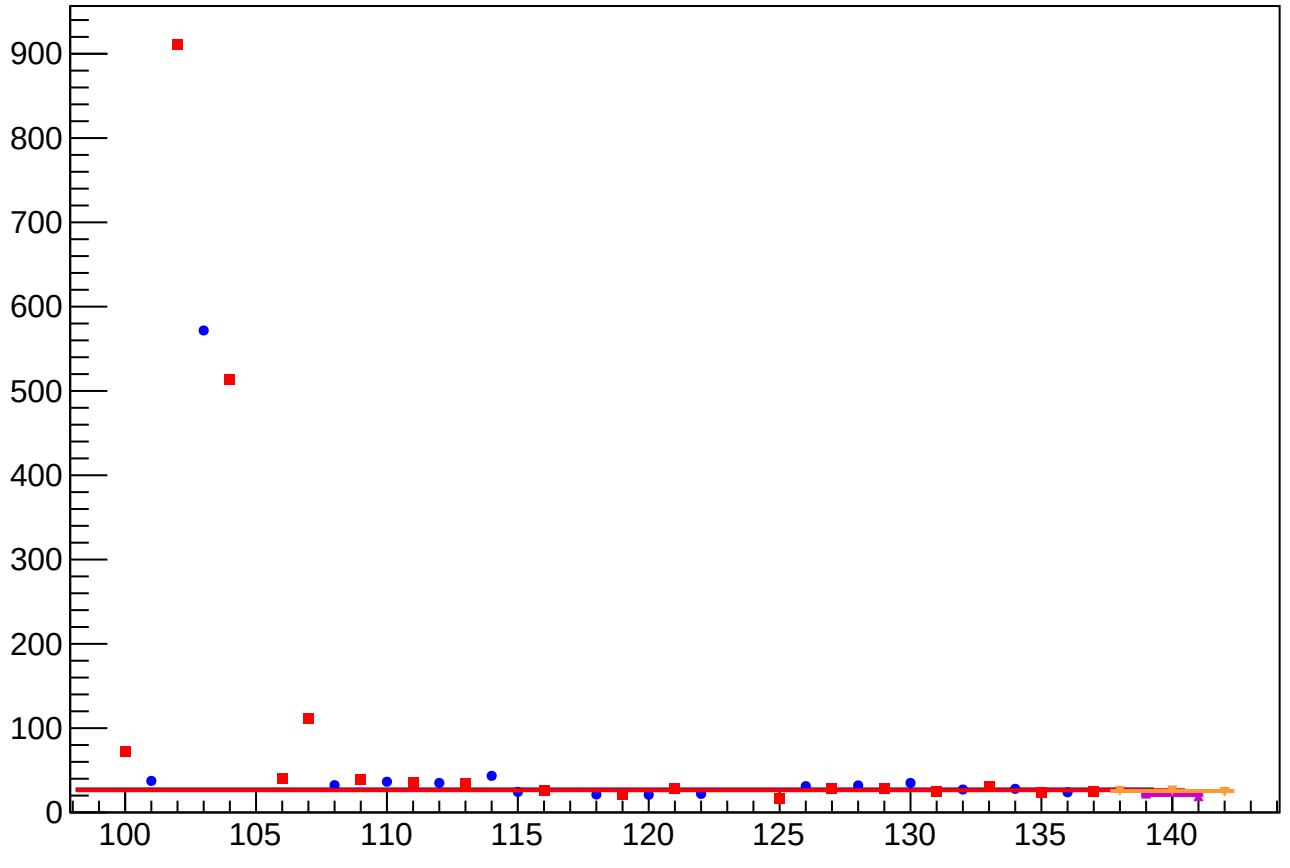
Left: -0.015+/-0.013 χ^2/NDF: 5.1/4

Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.023+/-0.010 χ^2/NDF:16.6/17

Out: 0.005+/-0.010 χ^2/NDF:10.5/20

All: -0.009+/-0.007 χ^2/NDF: 31.1/38



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.465+/-0.013 χ^2/NDF:2248.0/2

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.758+/-0.012 χ^2/NDF:15547.1/1

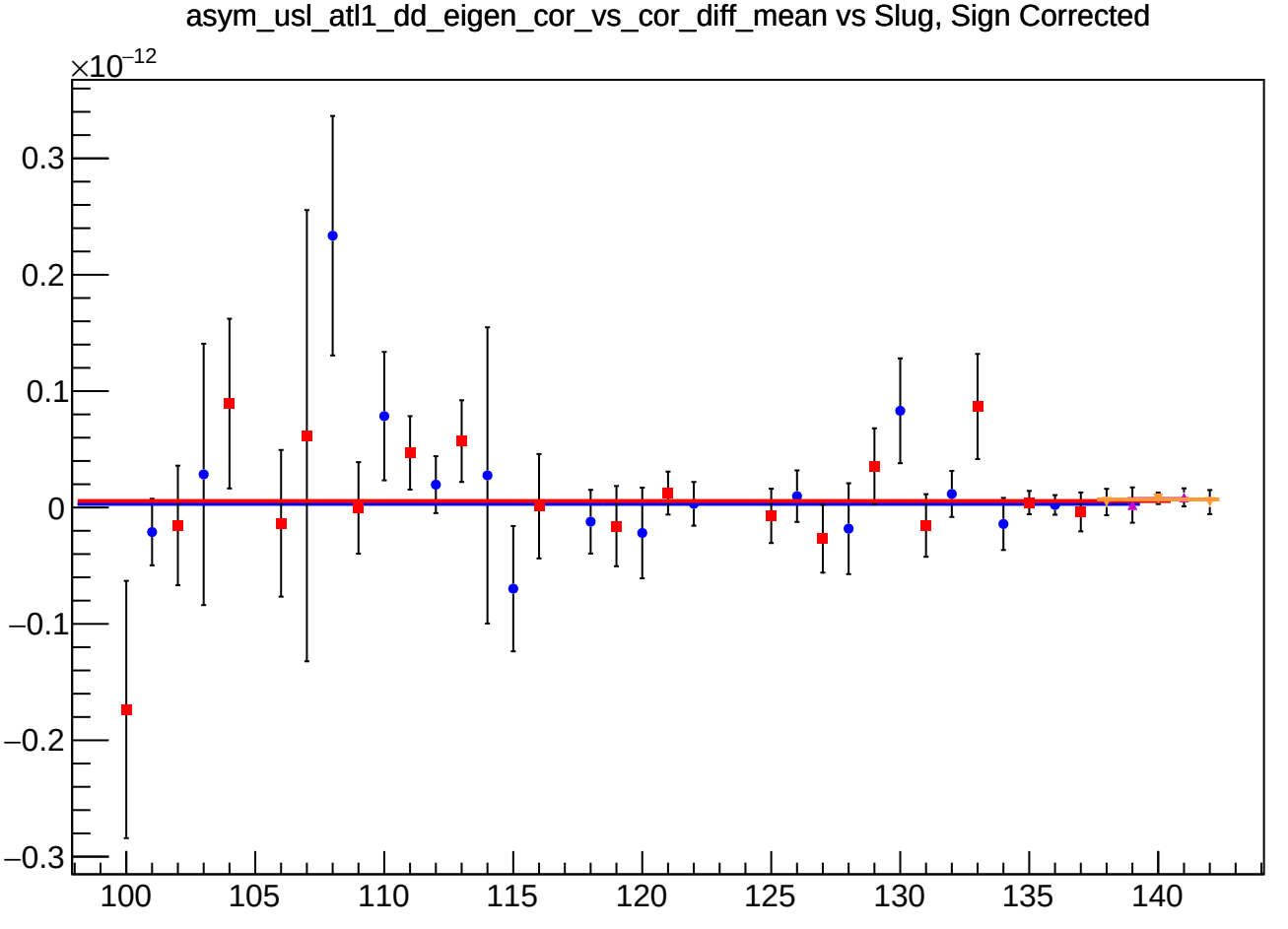
Left: 22.922+/-0.009 χ^2/NDF: 84191.1/4

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.318+/-0.007 χ^2/NDF:1778536.8/17

Out: 26.133+/-0.007 χ^2/NDF:2620418.0/20

All: 25.705+/-0.005 χ^2/NDF: 4405709.3/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

Left: 0.000+/-0.000 χ^2/NDF: 0.3/4

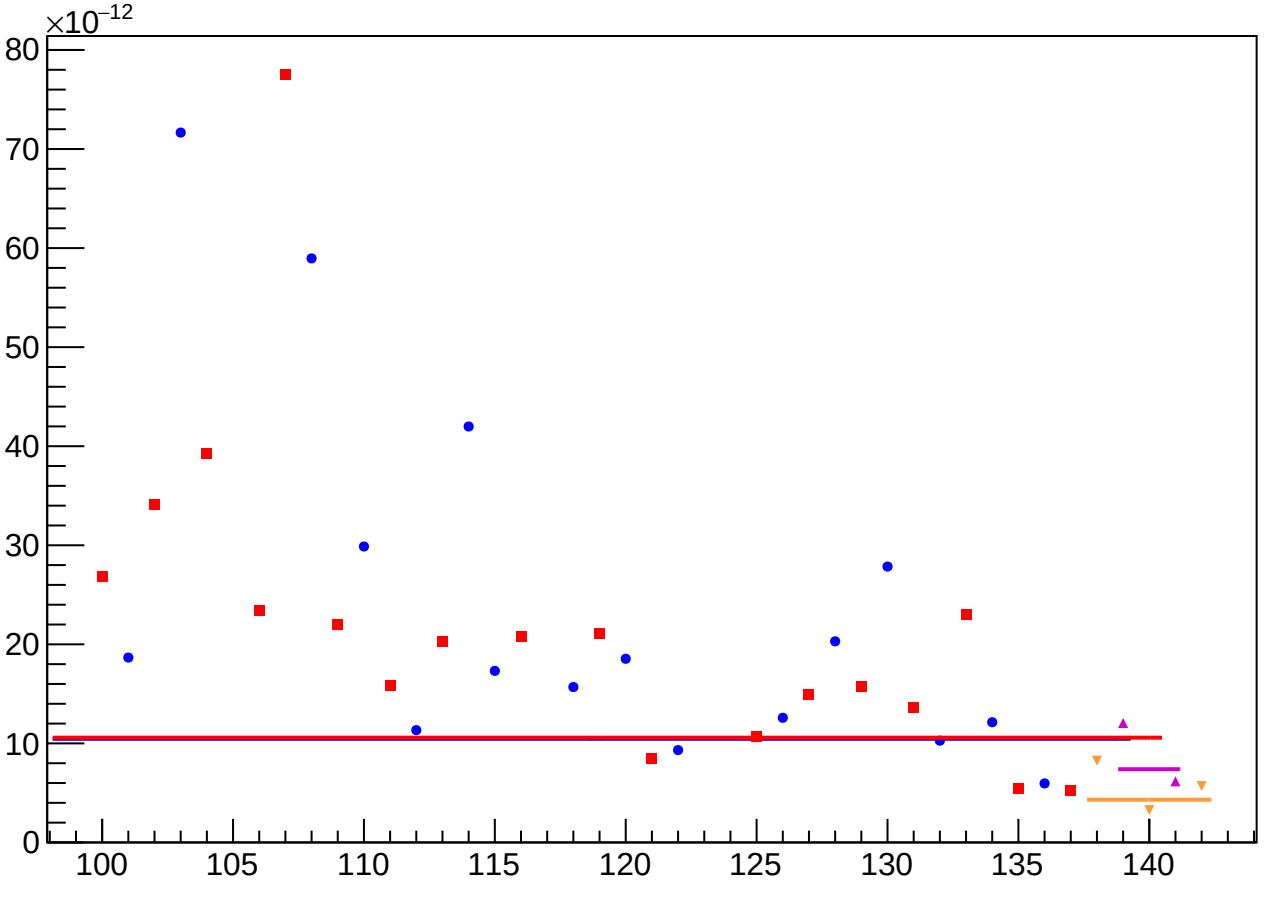
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.4/17

Out: 0.000+/-0.000 χ^2/NDF:15.4/20

All: 0.000+/-0.000 χ^2/NDF: 30.9/38

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:367497.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:237990.9/1

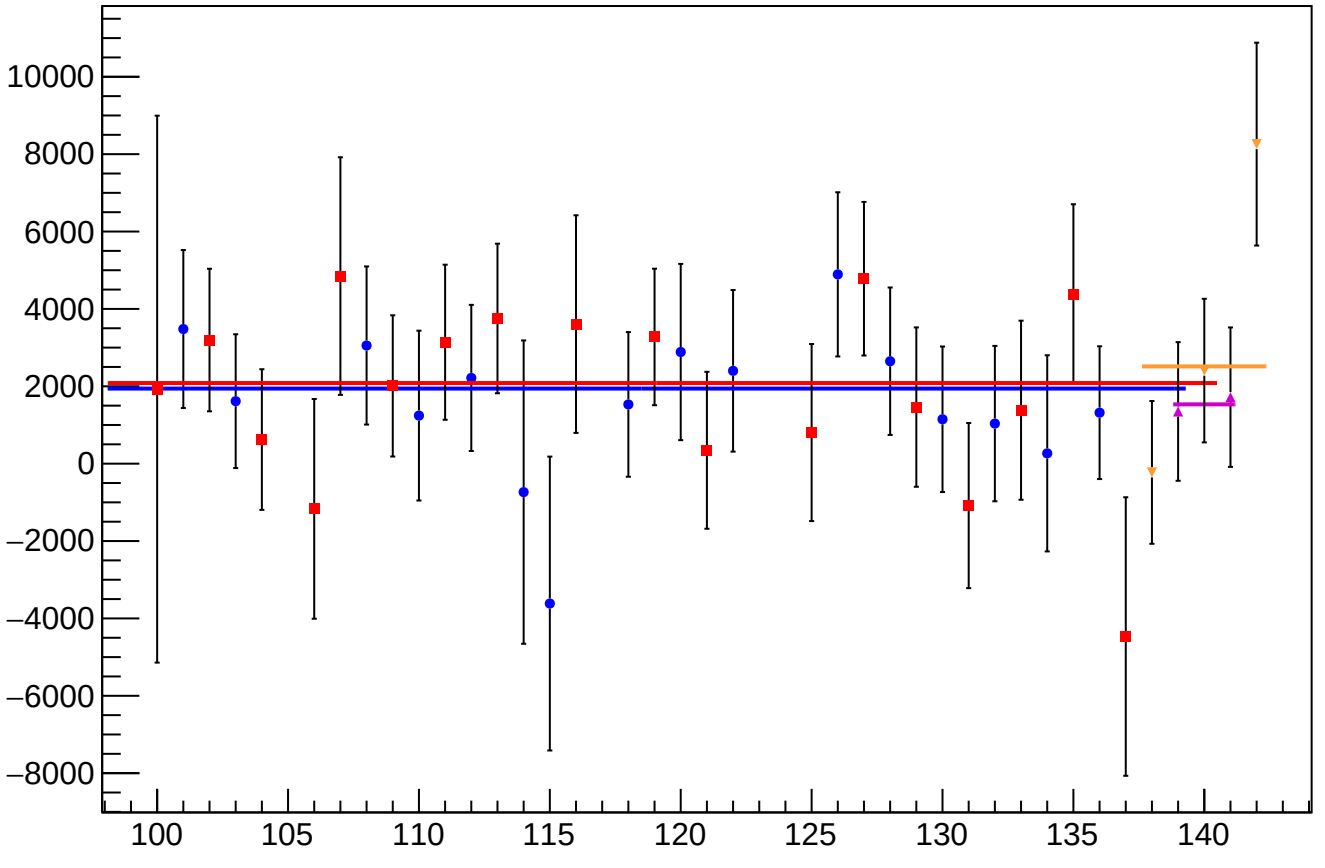
Left: 0.000+/-0.000 χ^2/NDF: 896720.9/4

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:4586082.2/20

All: 0.000+/-0.000 χ^2/NDF: 8397134.8/38



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.189+/-1170.878 χ^2/NDF:7.0/2

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: 2063.717+/-861.089 χ^2/NDF: 7.4/4

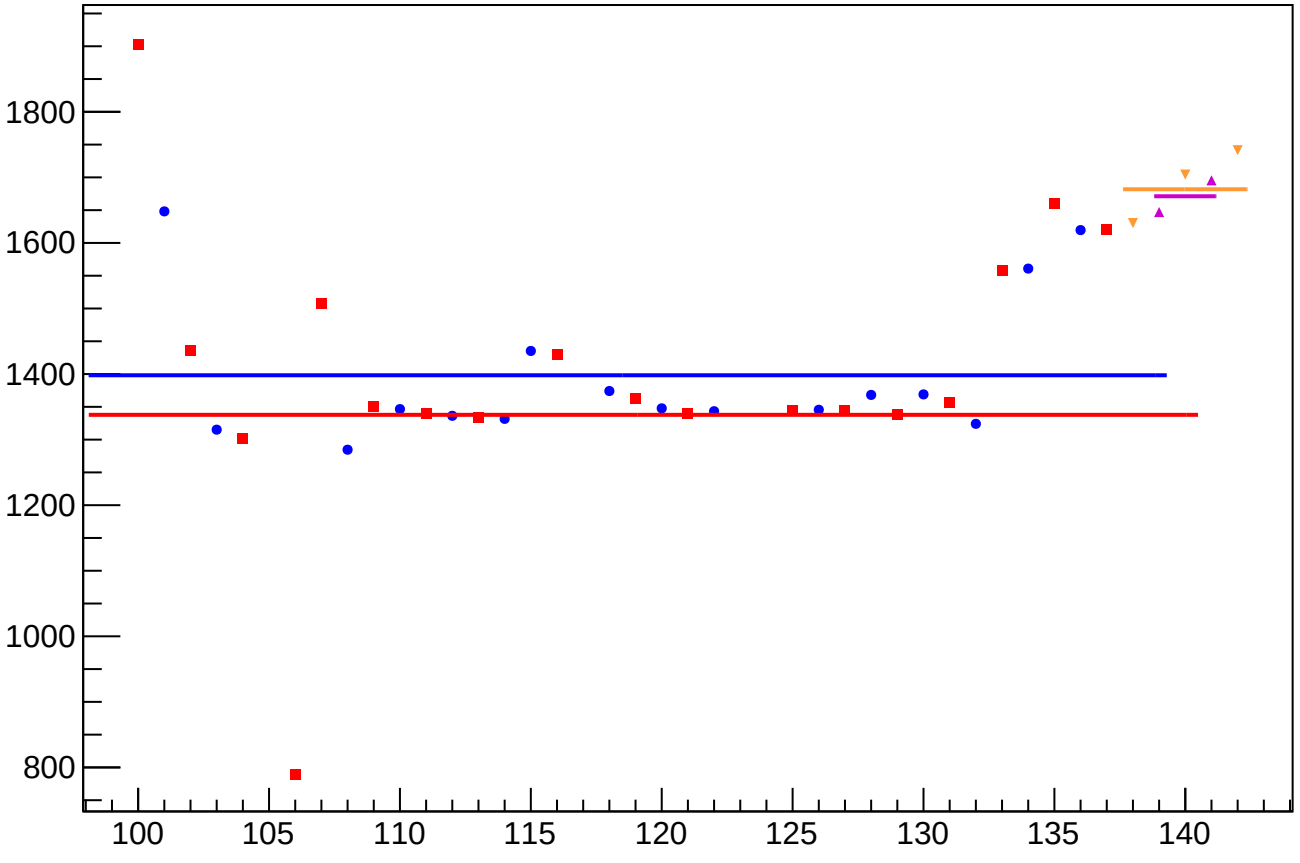
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 1882.056+/-482.988 χ^2/NDF:7.0/17

Out: 2154.735+/-474.923 χ^2/NDF:21.6/20

All: 2020.691+/-338.637 χ^2/NDF: 28.8/38

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

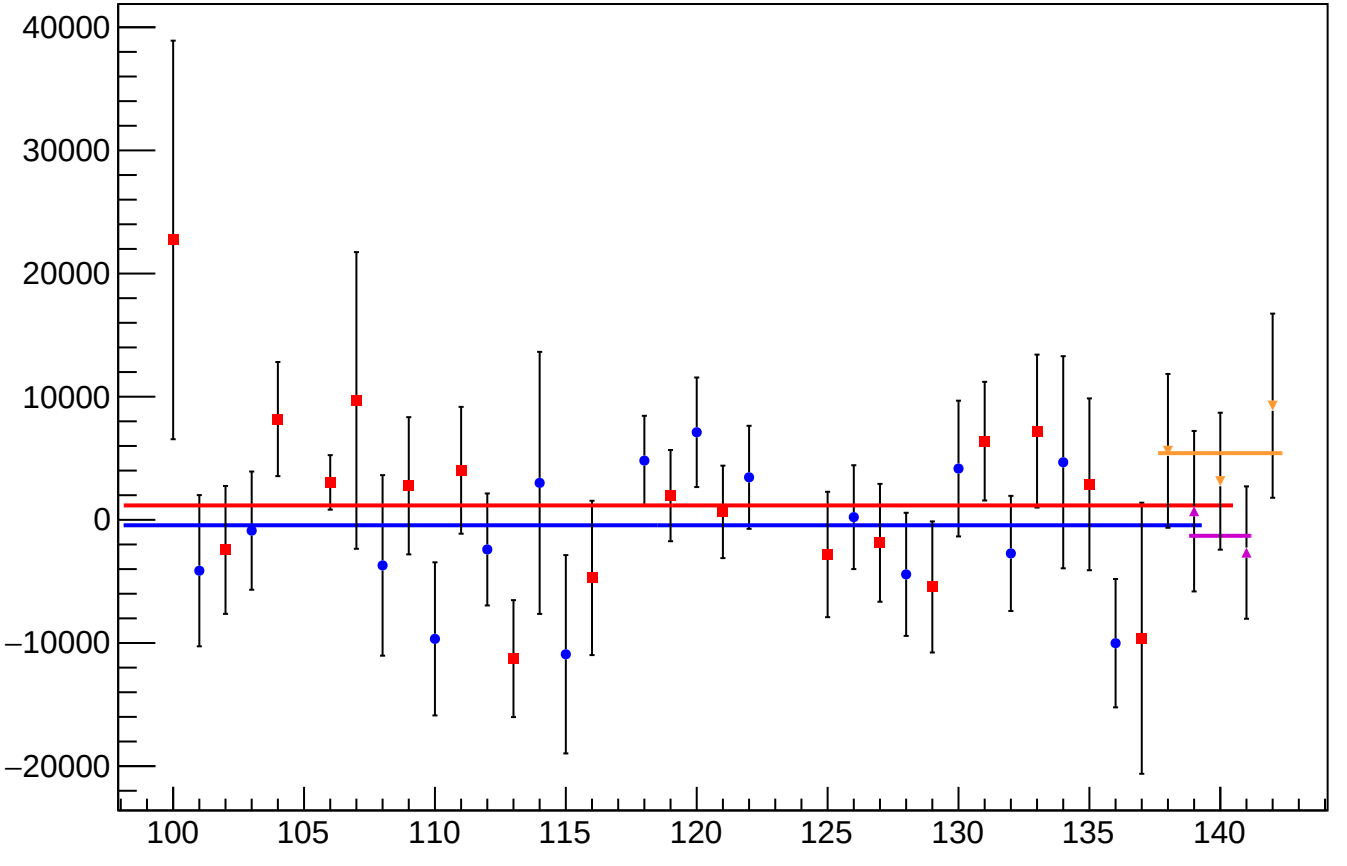
Left: 1676.984+/-0.609 χ^2/NDF: 3686.5/4

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1437.603+/-0.342 χ^2/NDF:173641.5/17

Out: 1391.484+/-0.327 χ^2/NDF:466418.8/20

All: 1413.540+/-0.236 χ^2/NDF: 649574.8/38



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 5416.397+/-3630.615 χ^2/NDF:0.4/2

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1296.464+/-4146.397 χ^2/NDF:0.2/1

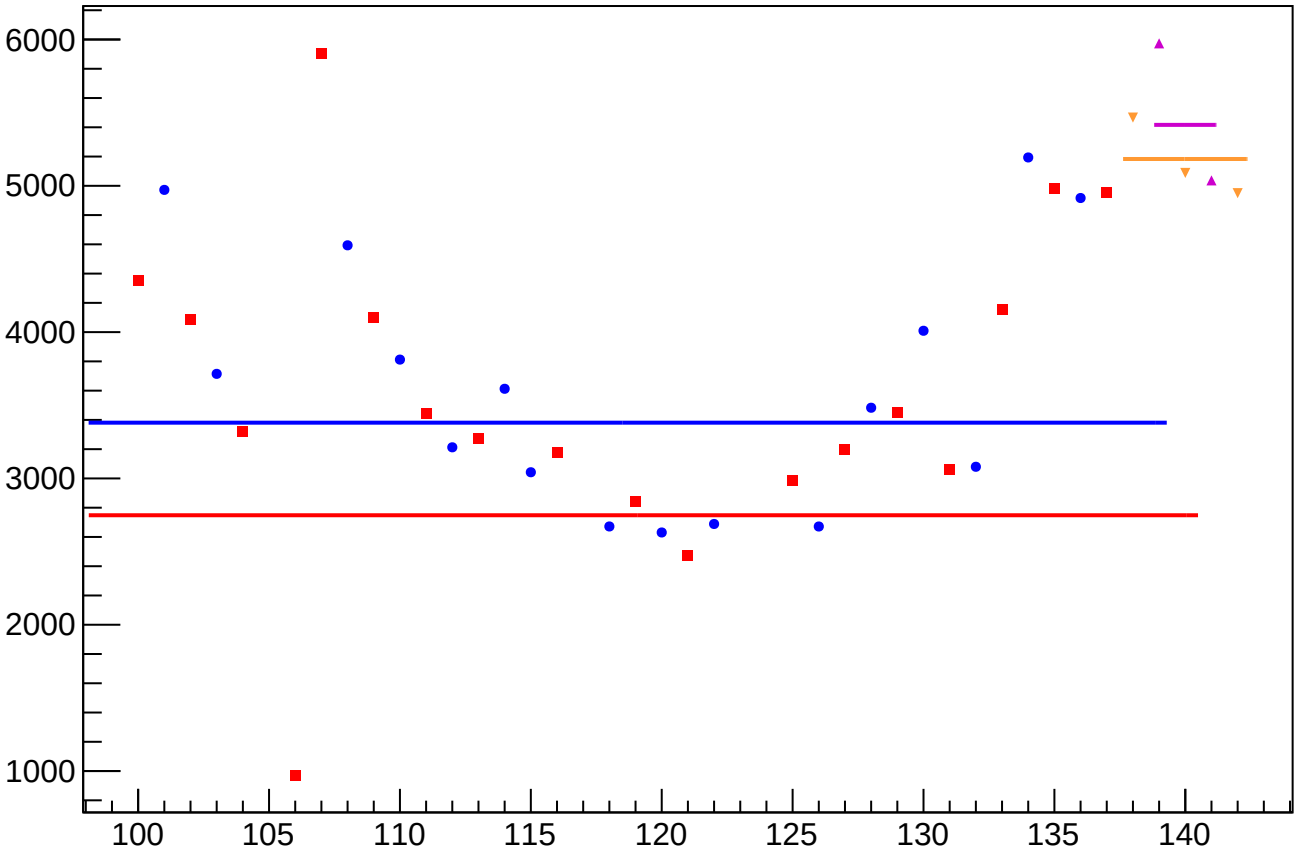
Left: 2503.223+/-2731.494 χ^2/NDF: 2.1/4

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -517.252+/-1236.912 χ^2/NDF:16.1/17

Out: 1540.339+/-1070.137 χ^2/NDF:21.3/20

All: 659.512+/-809.291 χ^2/NDF: 39.0/38



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5183.317+/-2.567 χ^2/NDF:6647.5/2

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5416.513+/-2.932 χ^2/NDF:24589.3/1

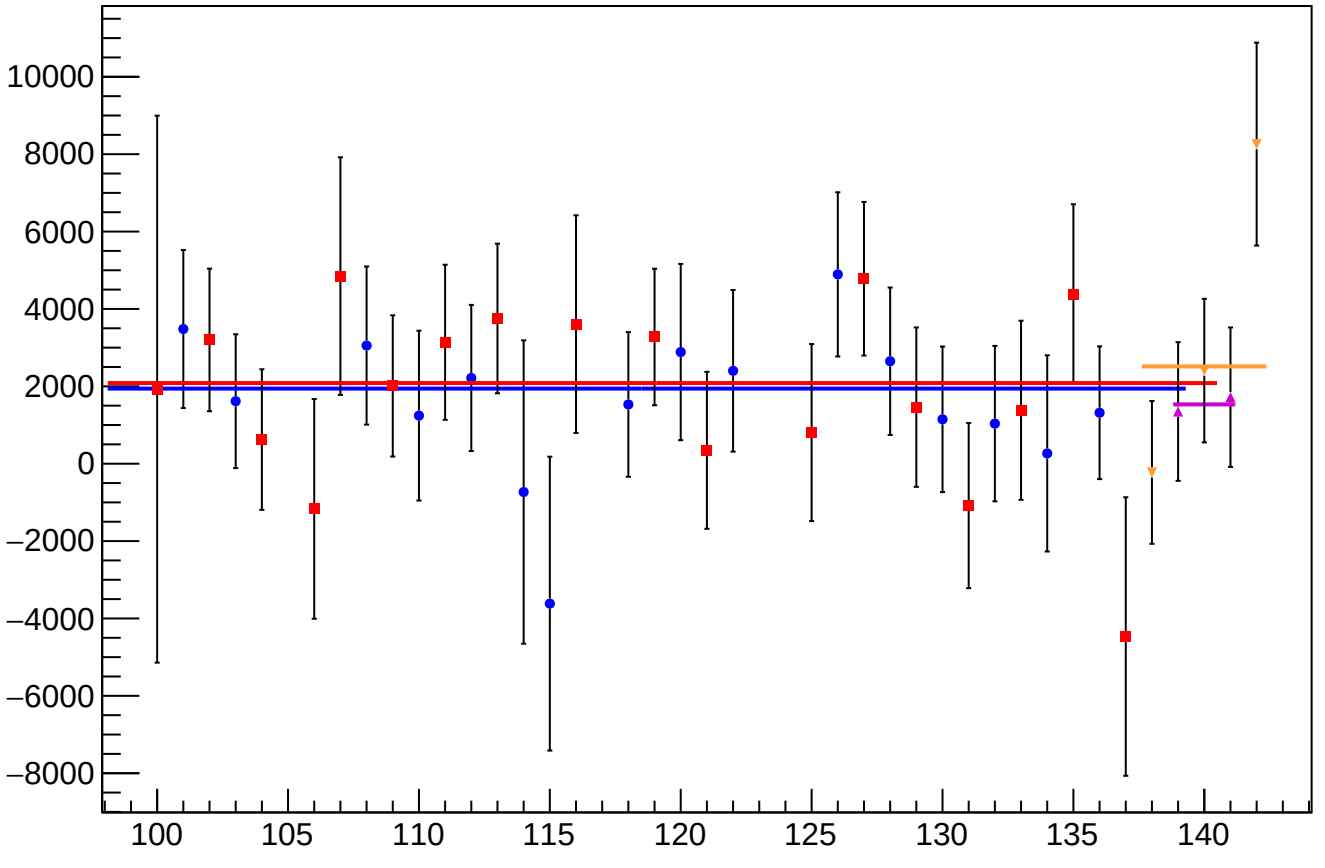
Left: 5284.517+/-1.931 χ^2/NDF: 34817.6/4

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3562.245+/-0.875 χ^2/NDF:1220781.4/17

Out: 2959.919+/-0.757 χ^2/NDF:3092651.8/20

All: 3217.767+/-0.572 χ^2/NDF: 4584668.0/38



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF:7.0/2

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1533.008+/-1270.775 χ^2/NDF:0.0/1

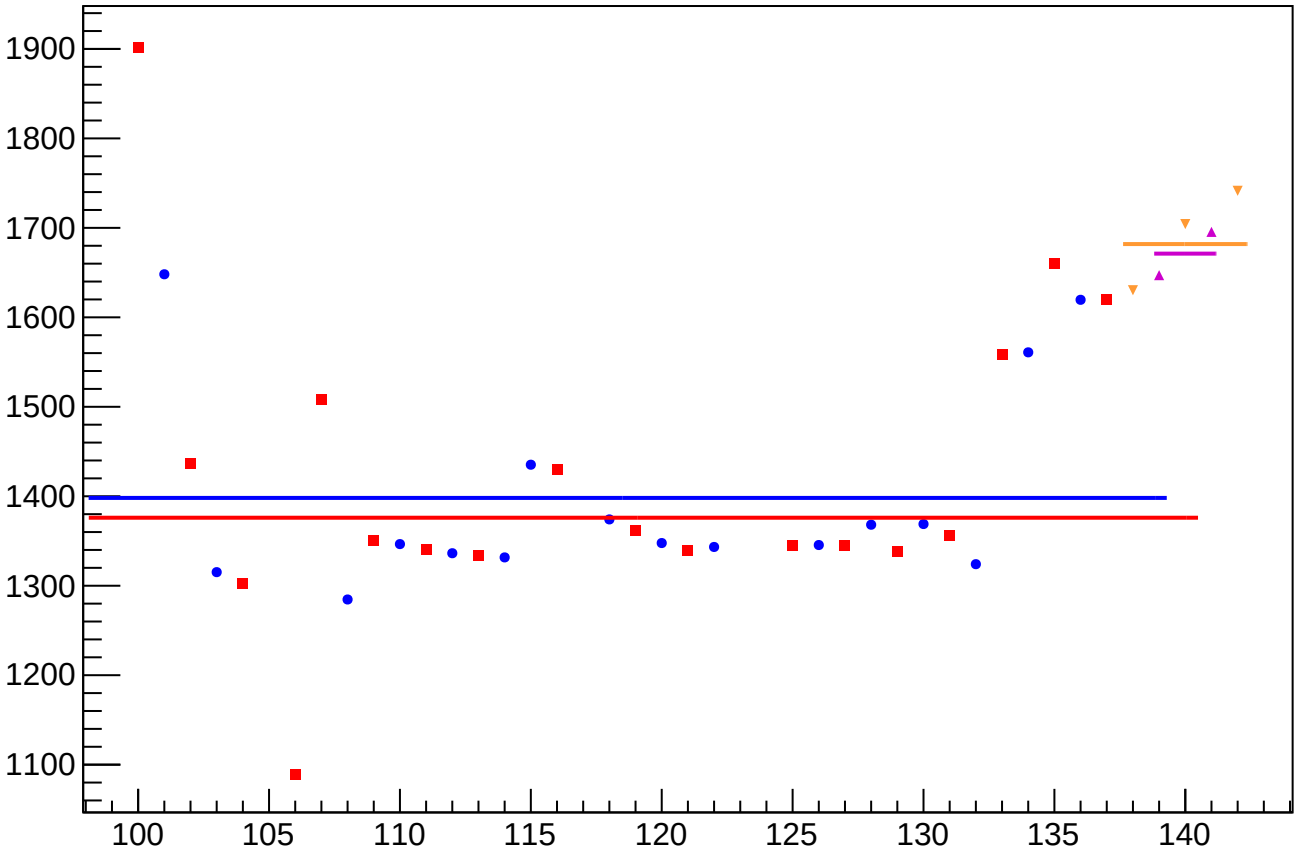
Left: 2063.805+/-861.089 χ^2/NDF: 7.4/4

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1882.090+/-482.988 χ^2/NDF:7.0/17

Out: 2154.955+/-474.925 χ^2/NDF:21.6/20

All: 2020.819+/-338.638 χ^2/NDF: 28.8/38



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

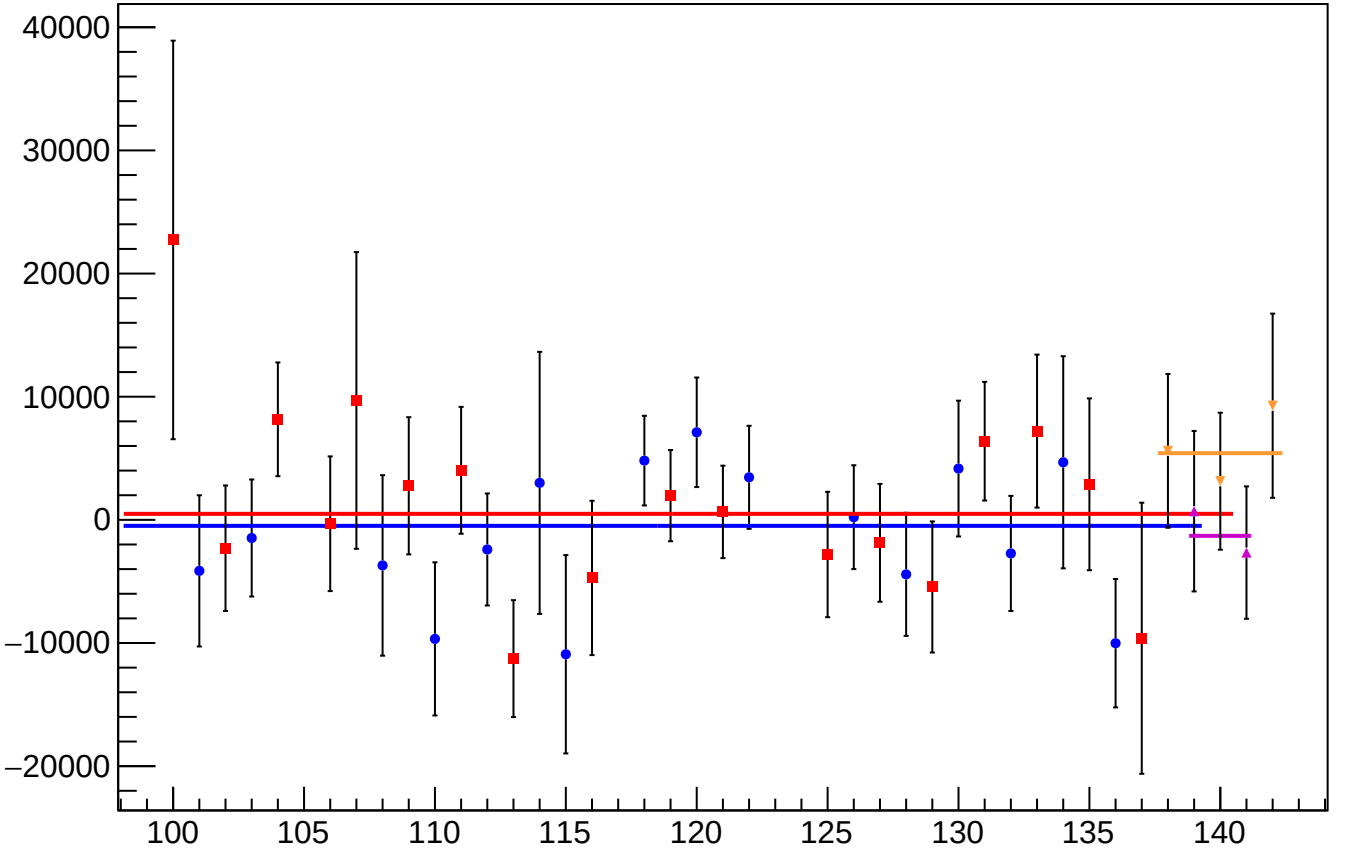
Left: 1676.984+/-0.609 χ^2/NDF: 3686.5/4

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1437.603+/-0.342 χ^2/NDF:173641.5/17

Out: 1425.229+/-0.332 χ^2/NDF:231446.8/20

All: 1431.243+/-0.238 χ^2/NDF: 405763.0/38



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 5416.667+/-3630.620 χ^2/NDF:0.4/2

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1296.442+/-4146.390 χ^2/NDF:0.2/1

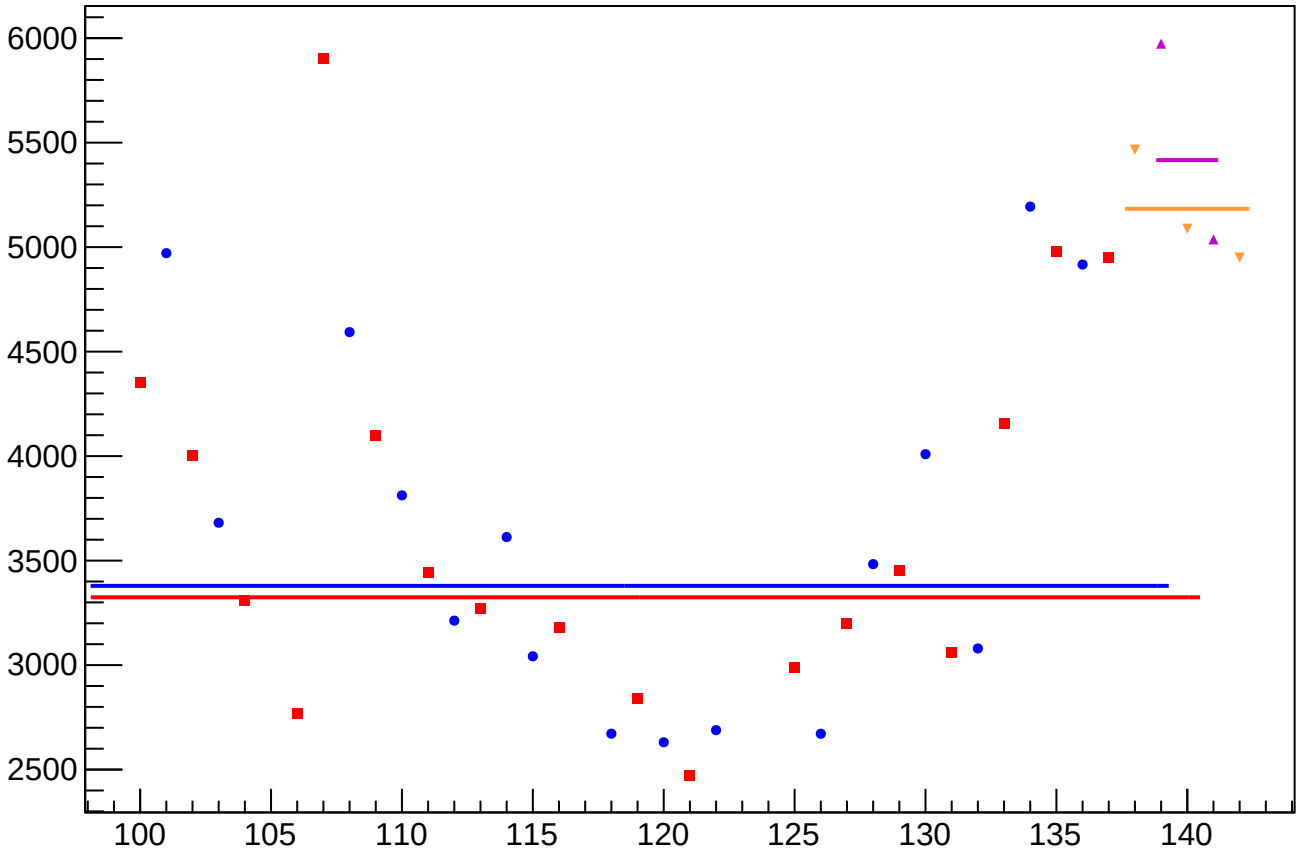
Left: 2503.375+/-2731.494 χ^2/NDF: 2.1/4

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -558.533+/-1236.054 χ^2/NDF:16.1/17

Out: 1019.327+/-1191.462 χ^2/NDF:20.8/20

All: 259.372+/-857.822 χ^2/NDF: 37.8/38



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2/NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5416.502+/-2.932 χ^2/NDF:24589.9/1

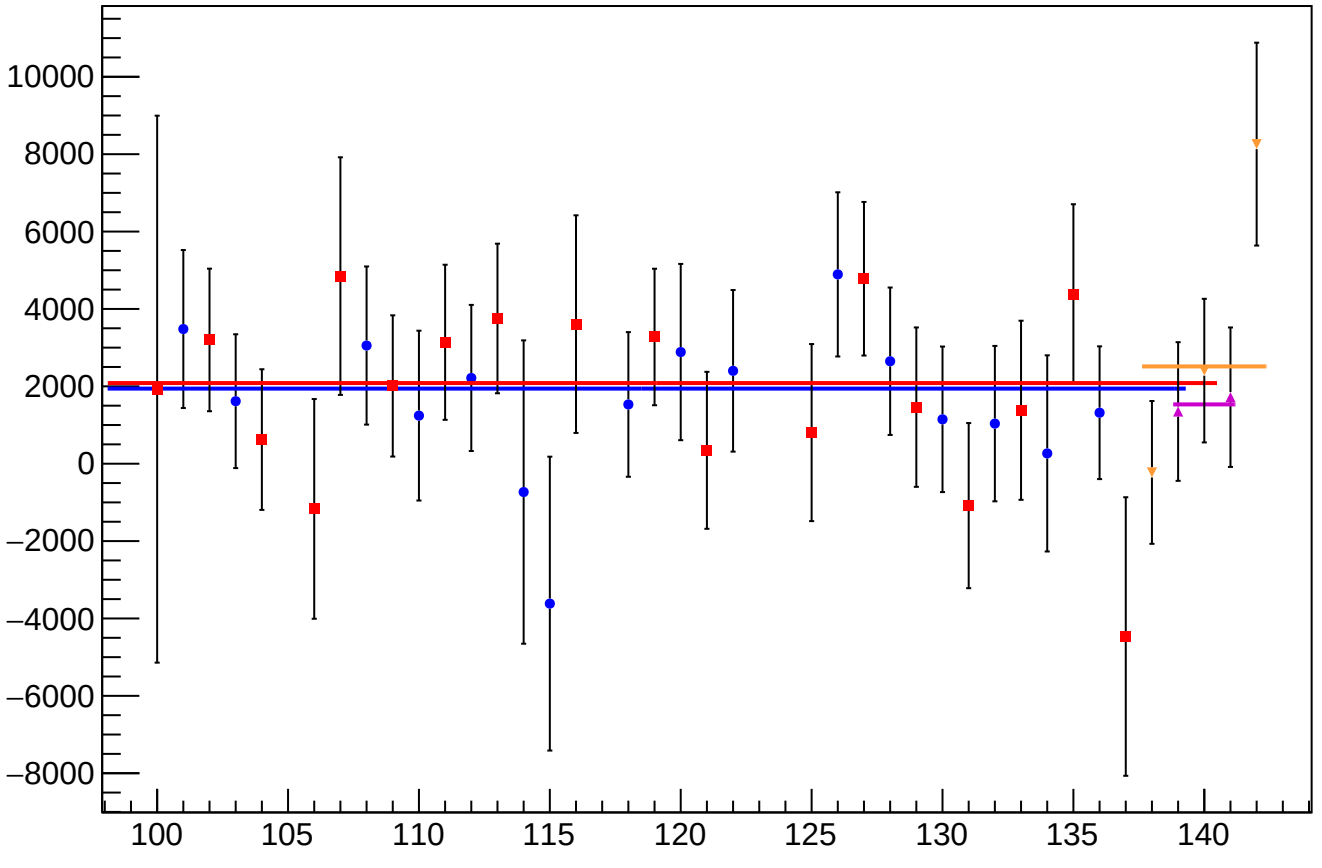
Left: 5284.517+/-1.931 χ^2/NDF: 34817.2/4

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3560.165+/-0.874 χ^2/NDF:1219897.9/17

Out: 3524.642+/-0.842 χ^2/NDF:1018283.8/20

All: 3541.751+/-0.607 χ^2/NDF: 2239037.9/38



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2514.430+/-1170.878 χ^2/NDF:7.0/2

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1533.008+/-1270.775 χ^2/NDF:0.0/1

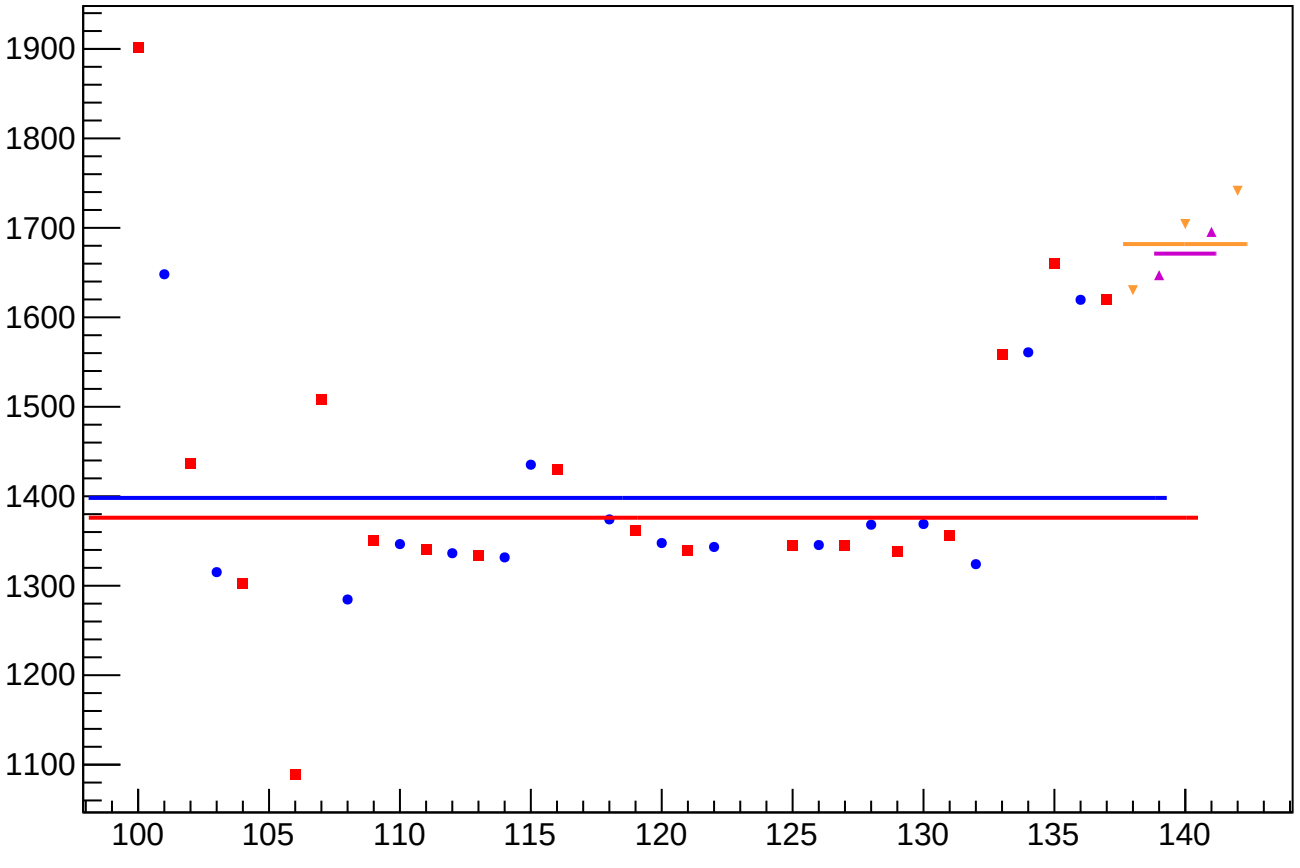
Left: 2063.805+/-861.089 χ^2/NDF: 7.4/4

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1882.090+/-482.988 χ^2/NDF:7.0/17

Out: 2154.955+/-474.925 χ^2/NDF:21.6/20

All: 2020.819+/-338.638 χ^2/NDF: 28.8/38



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1681.893+/-0.828 χ^2/NDF:2885.1/2

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1671.201+/-0.899 χ^2/NDF:724.8/1

Left: 1676.984+/-0.609 χ^2/NDF: 3686.5/4

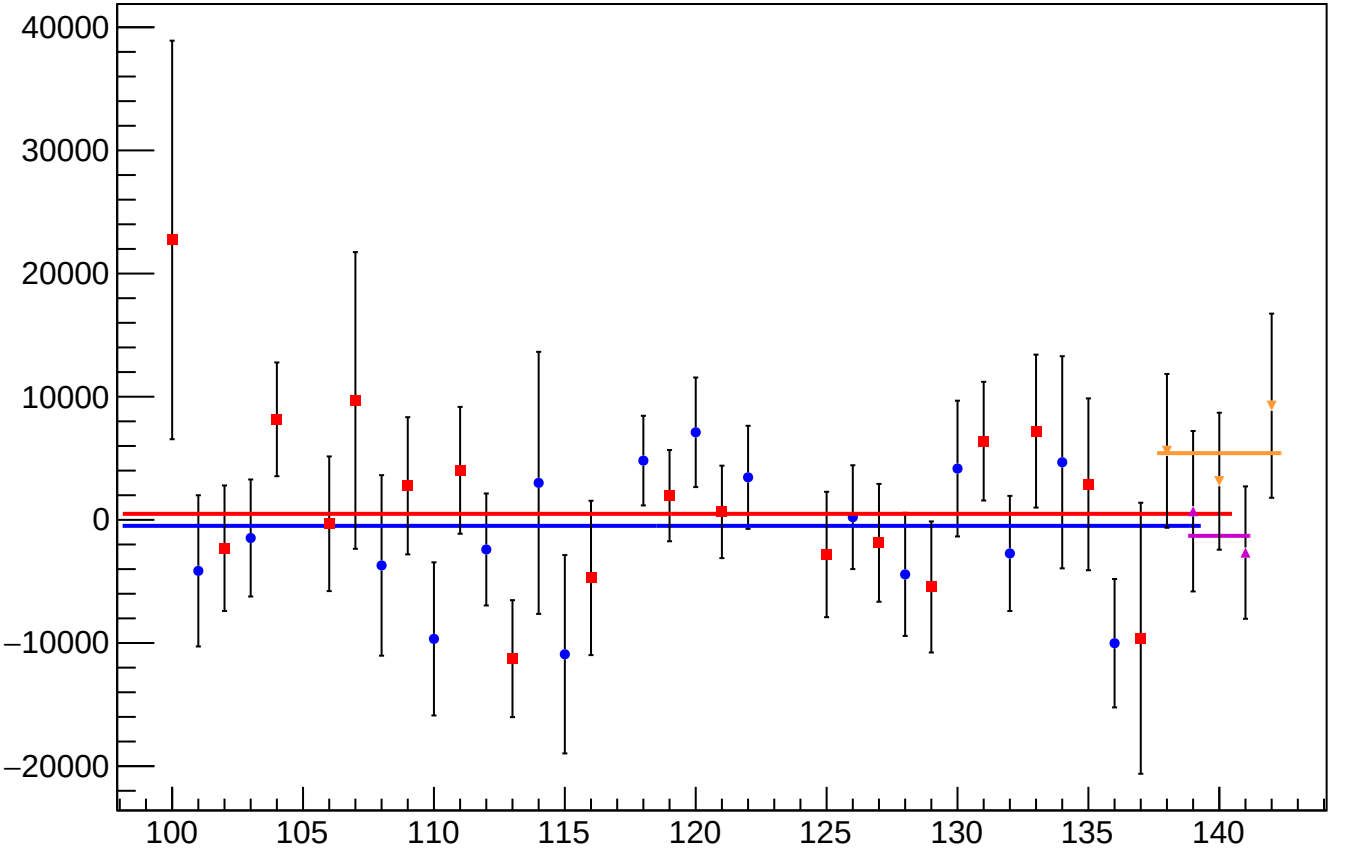
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1437.603+/-0.342 χ^2/NDF:173641.5/17

Out: 1425.229+/-0.332 χ^2/NDF:231446.8/20

All: 1431.243+/-0.238 χ^2/NDF: 405763.0/38

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: 5416.667+/-3630.620 χ^2/NDF:0.4/2

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1296.442+/-4146.390 χ^2/NDF:0.2/1

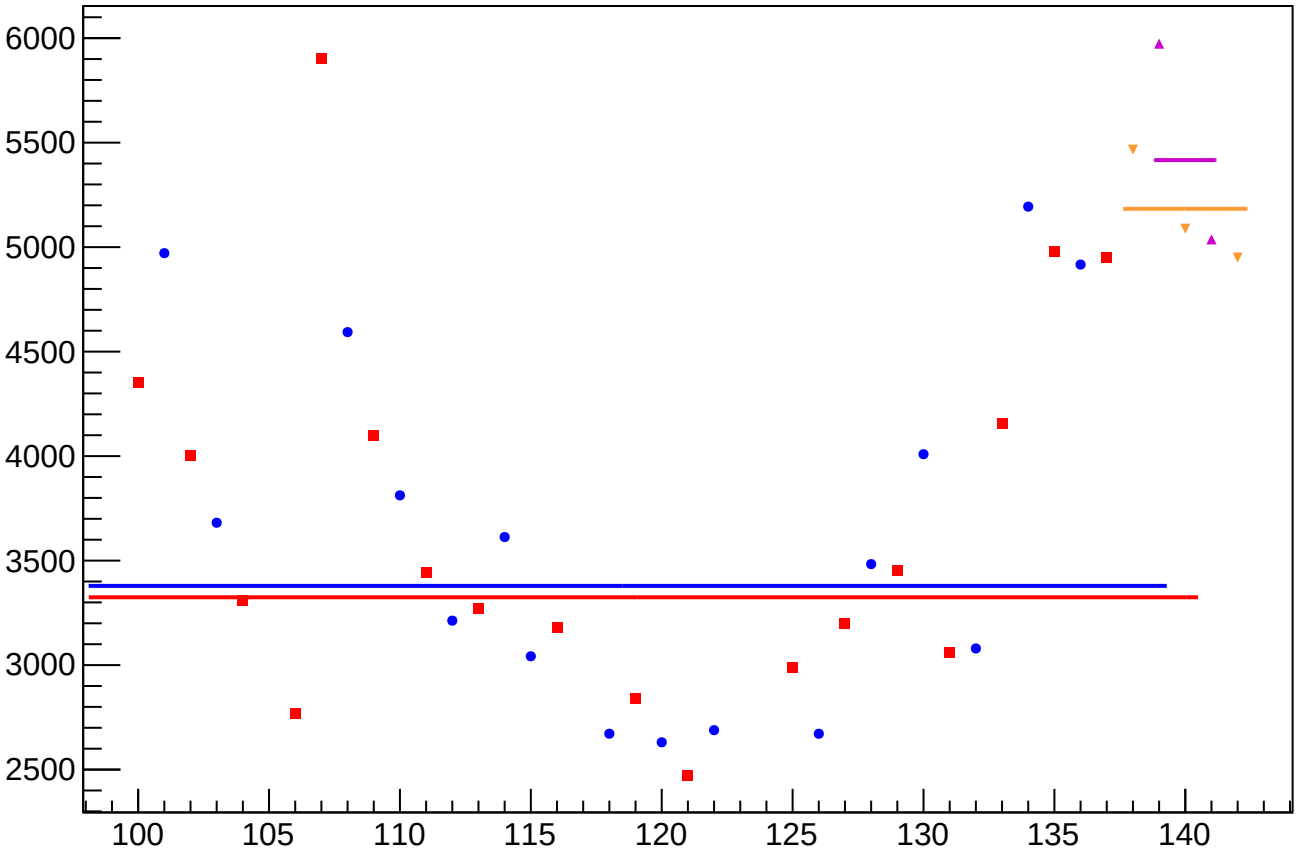
Left: 2503.375+/-2731.494 χ^2/NDF: 2.1/4

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -558.533+/-1236.054 χ^2/NDF:16.1/17

Out: 1019.327+/-1191.462 χ^2/NDF:20.8/20

All: 259.372+/-857.822 χ^2/NDF: 37.8/38



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5183.325+/-2.567 χ^2/NDF:6647.1/2

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5416.502+/-2.932 χ^2/NDF:24589.9/1

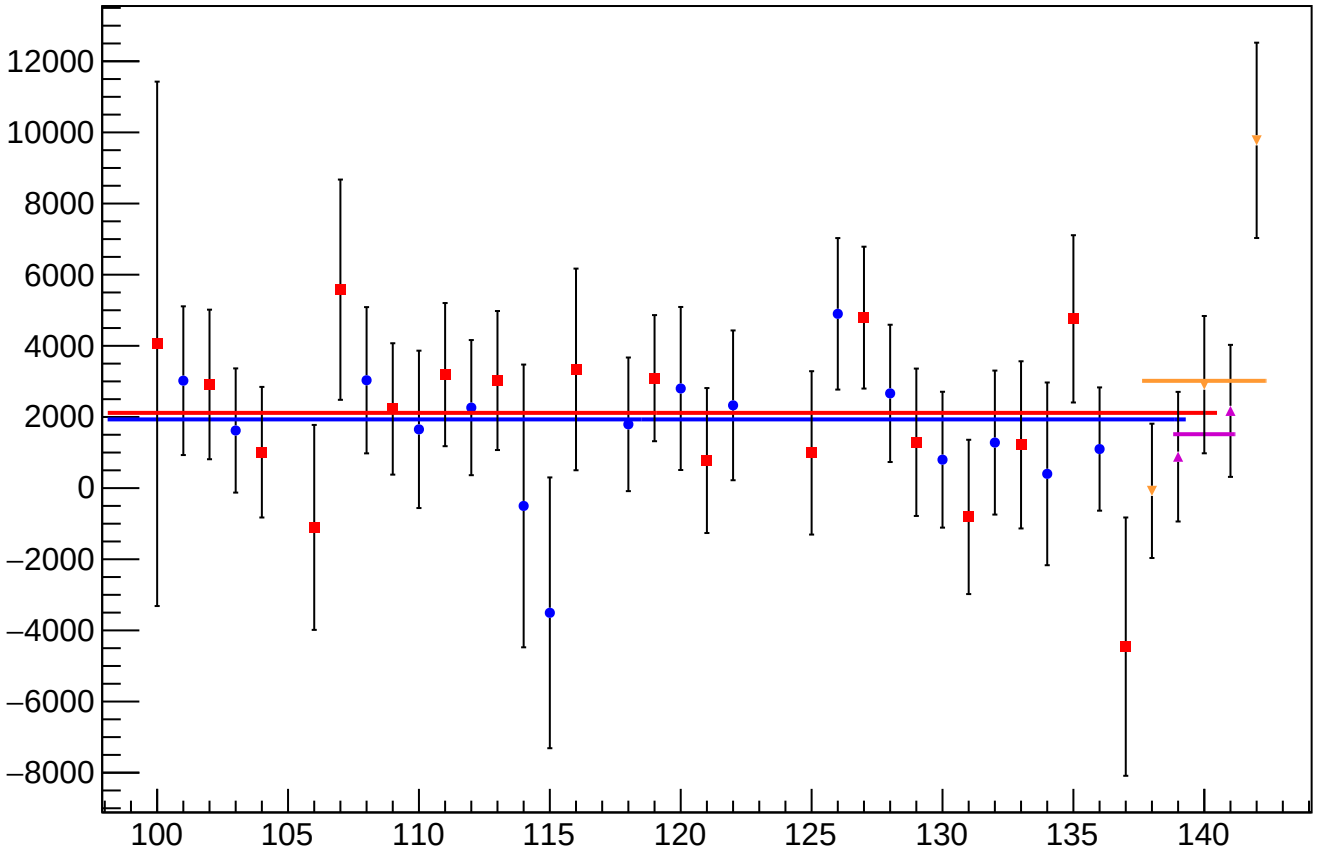
Left: 5284.517+/-1.931 χ^2/NDF: 34817.2/4

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3560.165+/-0.874 χ^2/NDF:1219897.9/17

Out: 3524.642+/-0.842 χ^2/NDF:1018283.8/20

All: 3541.751+/-0.607 χ^2/NDF: 2239037.9/38



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3015.825+/-1211.172 χ^2/NDF:8.8/2

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 1515.730+/-1300.195 χ^2/NDF:0.2/1

Left: 2318.886+/-886.230 χ^2/NDF: 9.7/4

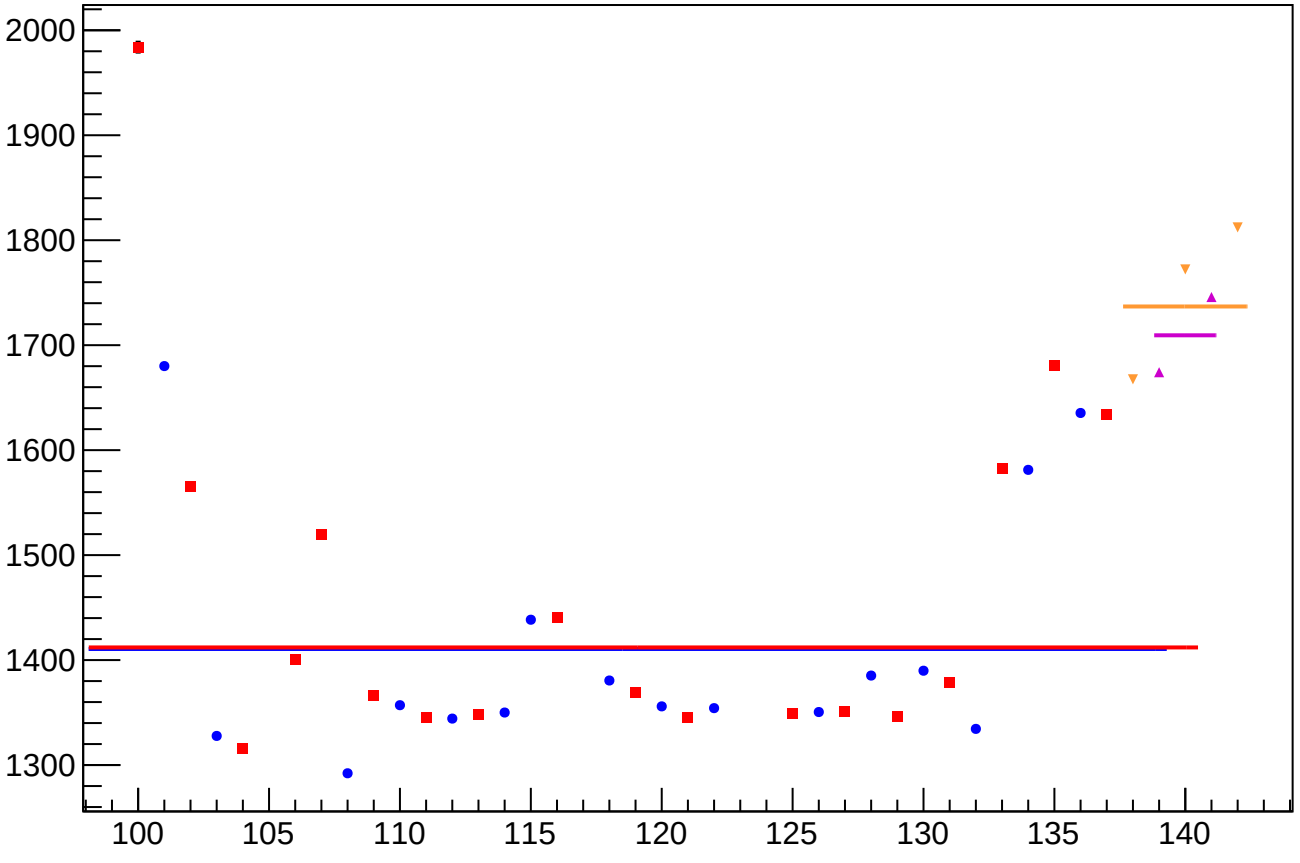
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1872.838+/-488.513 χ^2/NDF:6.7/17

Out: 2259.389+/-484.625 χ^2/NDF:22.4/20

All: 2067.658+/-344.048 χ^2/NDF: 29.4/38

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1736.865+/-0.856 χ^2/NDF:4878.1/2

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1709.409+/-0.919 χ^2/NDF:1517.7/1

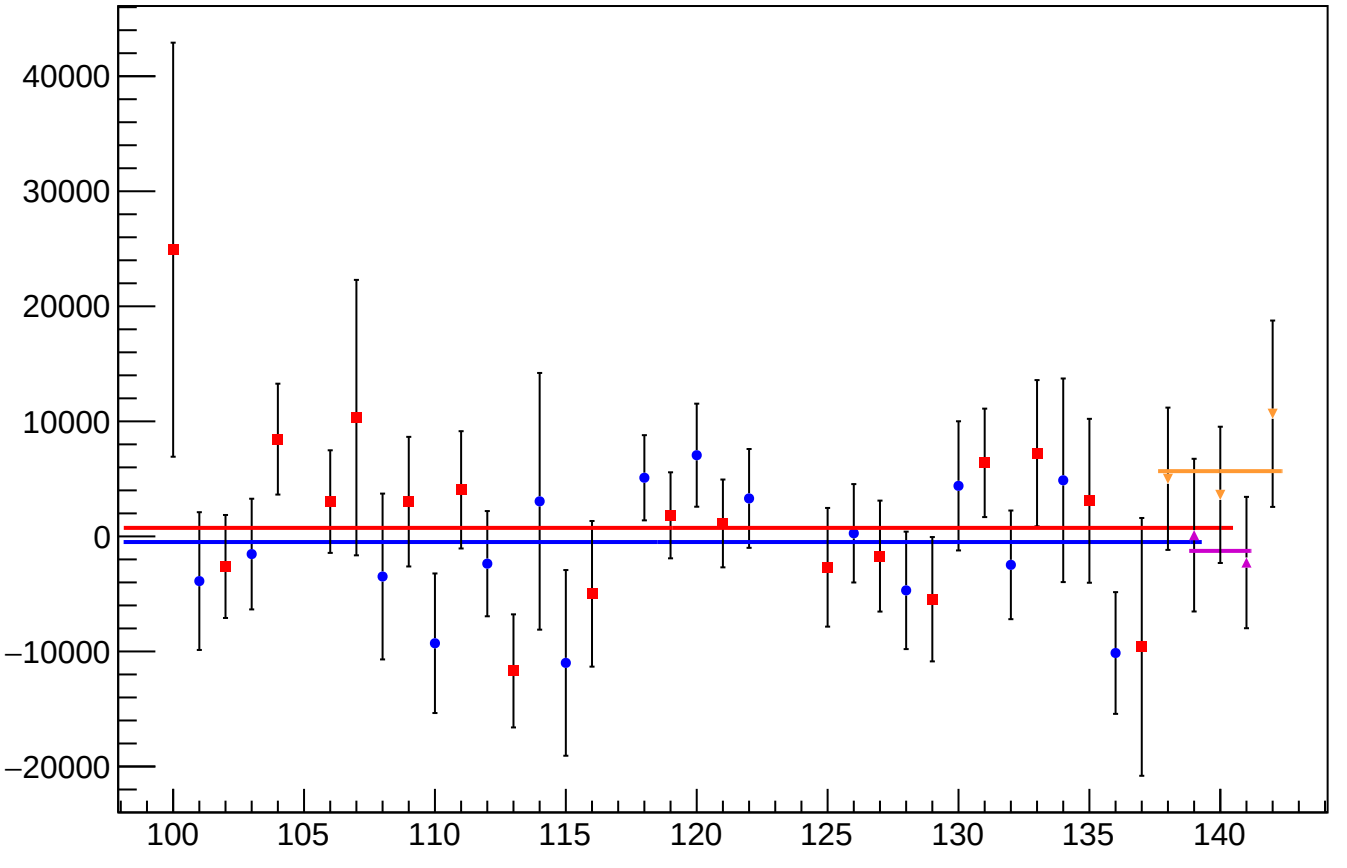
Left: 1724.109+/-0.627 χ^2/NDF: 6873.3/4

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1452.778+/-0.345 χ^2/NDF:191391.8/17

Out: 1463.819+/-0.342 χ^2/NDF:215501.0/20

All: 1458.355+/-0.243 χ^2/NDF: 407408.8/38



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 5672.662+/-3781.982 χ^2/NDF:0.5/2

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: -1259.386+/-4327.843 χ^2/NDF:0.1/1

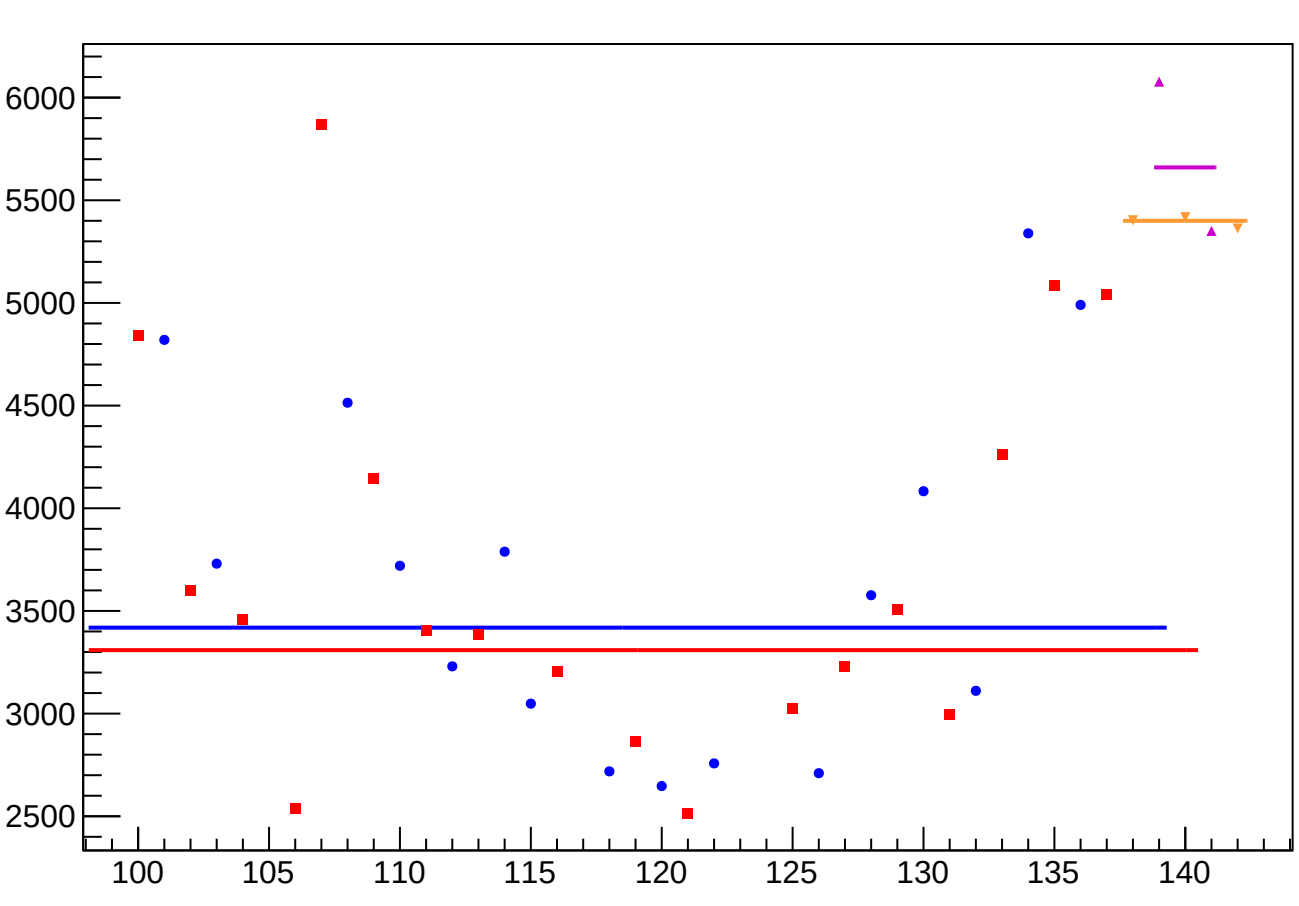
Left: 2671.120+/-2847.823 χ^2/NDF: 2.0/4

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -553.910+/-1252.673 χ^2/NDF:15.9/17

Out: 1224.873+/-1185.097 χ^2/NDF:21.2/20

All: 384.752+/-860.889 χ^2/NDF: 38.2/38



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5399.940+/-2.674 χ^2/NDF:60.6/2

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5659.971+/-3.060 χ^2/NDF:13793.1/1

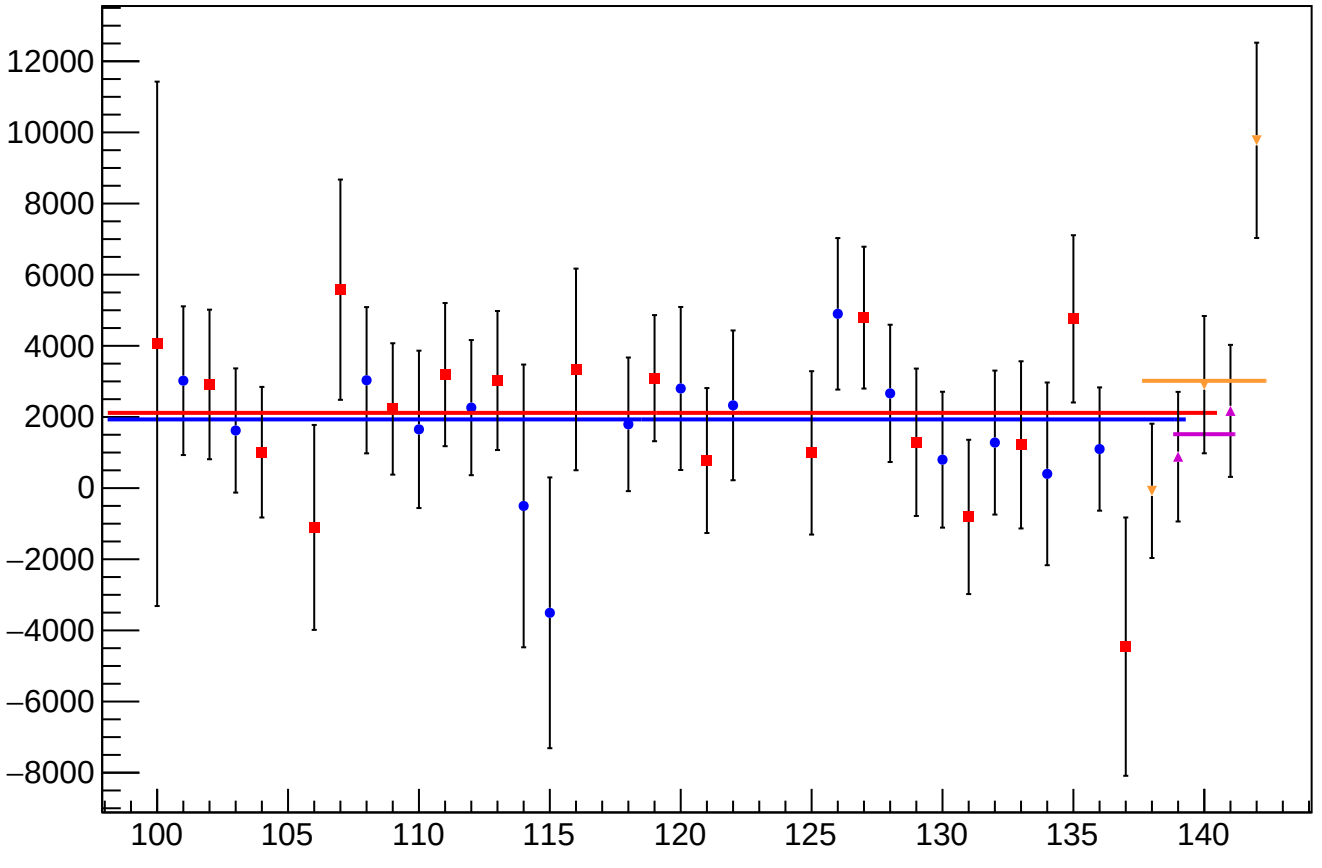
Left: 5512.532+/-2.014 χ^2/NDF: 17947.5/4

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3606.471+/-0.886 χ^2/NDF:1226454.4/17

Out: 3514.411+/-0.838 χ^2/NDF:1123243.5/20

All: 3557.891+/-0.609 χ^2/NDF: 2355397.9/38



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3015.837+/-1211.173 χ^2/NDF:8.8/2

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 1515.729+/-1300.196 χ^2/NDF:0.2/1

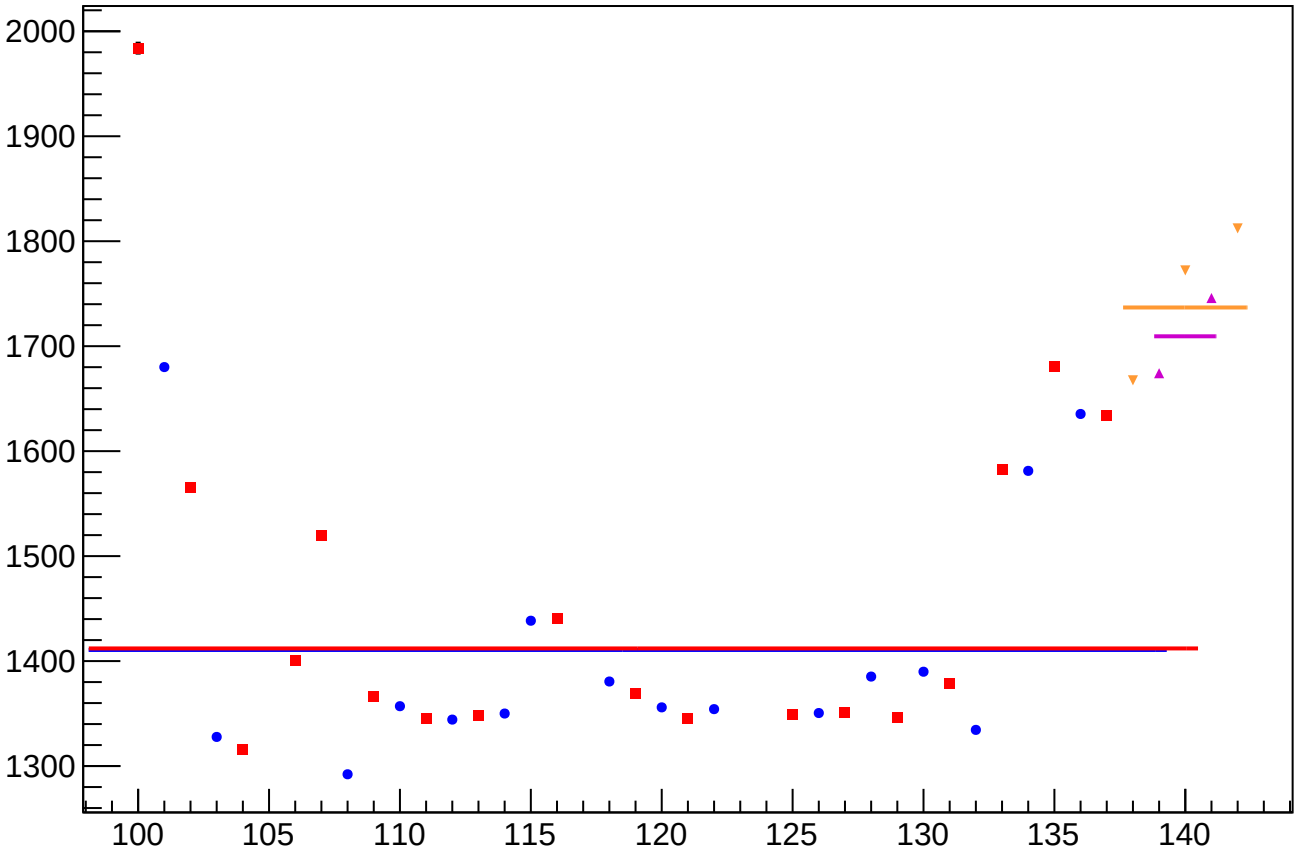
Left: 2318.892+/-886.231 χ^2/NDF: 9.7/4

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1872.839+/-488.513 χ^2/NDF:6.7/17

Out: 2259.391+/-484.626 χ^2/NDF:22.4/20

All: 2067.659+/-344.048 χ^2/NDF: 29.4/38



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1736.866+/-0.856 χ^2/NDF:4878.3/2

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1709.411+/-0.919 χ^2/NDF:1517.7/1

Left: 1724.110+/-0.627 χ^2/NDF: 6873.5/4

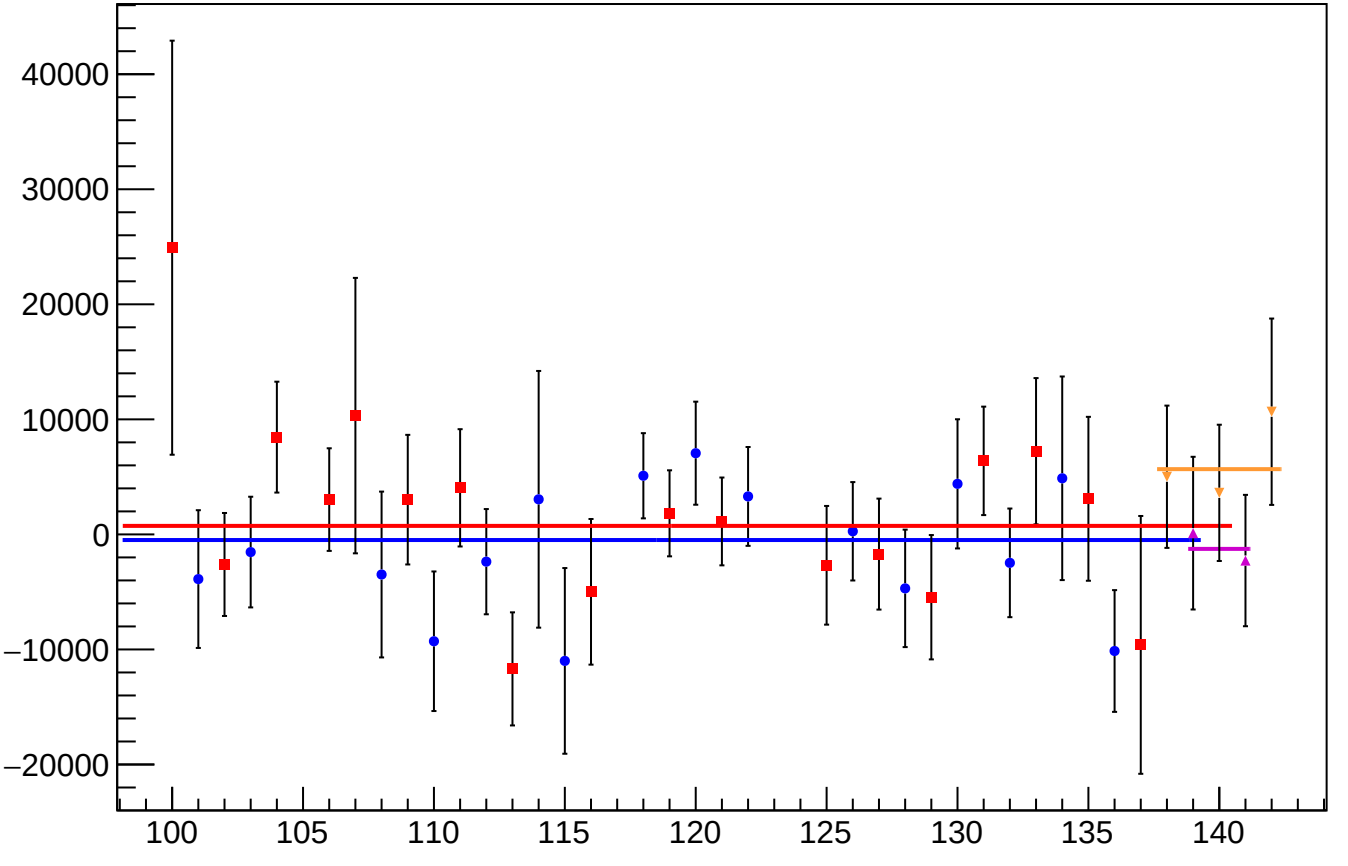
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1452.779+/-0.345 χ^2/NDF:191392.5/17

Out: 1463.819+/-0.342 χ^2/NDF:215502.1/20

All: 1458.355+/-0.243 χ^2/NDF: 407410.6/38

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 5672.683+/-3781.992 χ^2/NDF:0.5/2

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1259.386+/-4327.853 χ^2/NDF:0.1/1

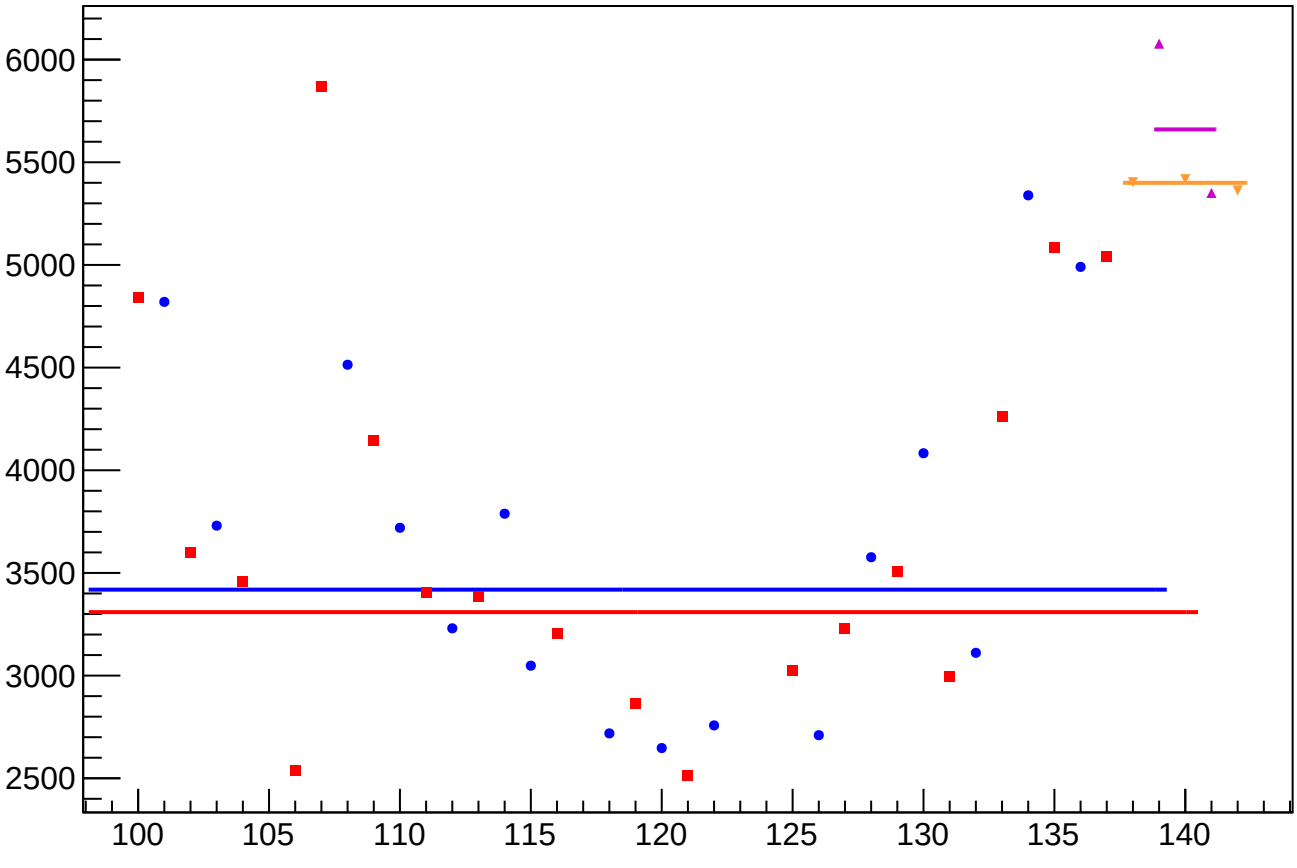
Left: 2671.131+/-2847.830 χ^2/NDF: 2.0/4

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -553.903+/-1252.669 χ^2/NDF:15.9/17

Out: 1224.873+/-1185.094 χ^2/NDF:21.2/20

All: 384.755+/-860.886 χ^2/NDF: 38.2/38



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5399.954+/-2.674 χ^2/NDF:60.6/2

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5659.983+/-3.060 χ^2/NDF:13793.5/1

Left: 5512.545+/-2.014 χ^2/NDF: 17947.8/4

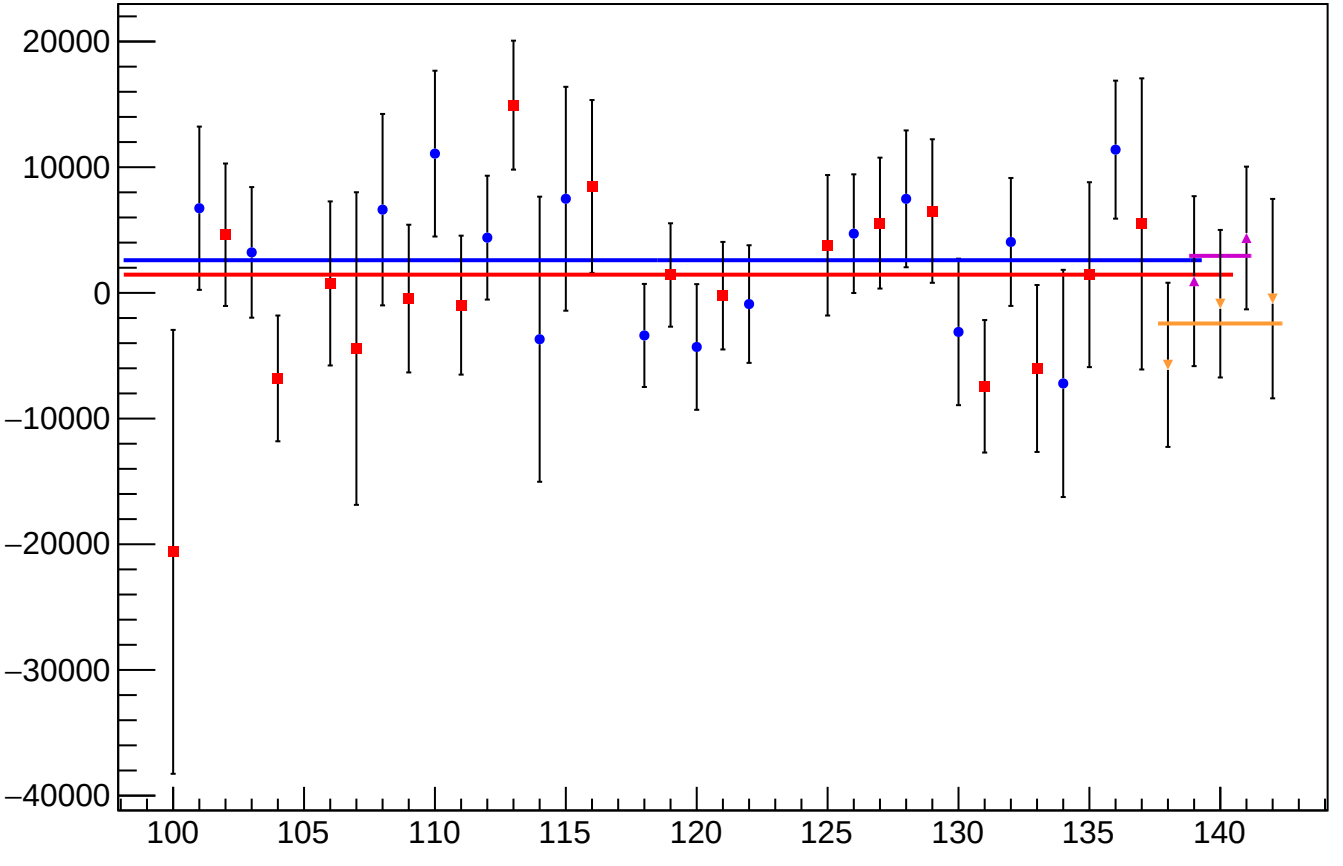
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3606.460+/-0.886 χ^2/NDF:1226472.0/17

Out: 3514.402+/-0.838 χ^2/NDF:1123257.7/20

All: 3557.881+/-0.609 χ^2/NDF: 2355429.6/38

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -2434.984+/-3824.806 χ^2/NDF:0.4/2

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: -86.875+/-2871.746 χ^2/NDF: 1.4/4

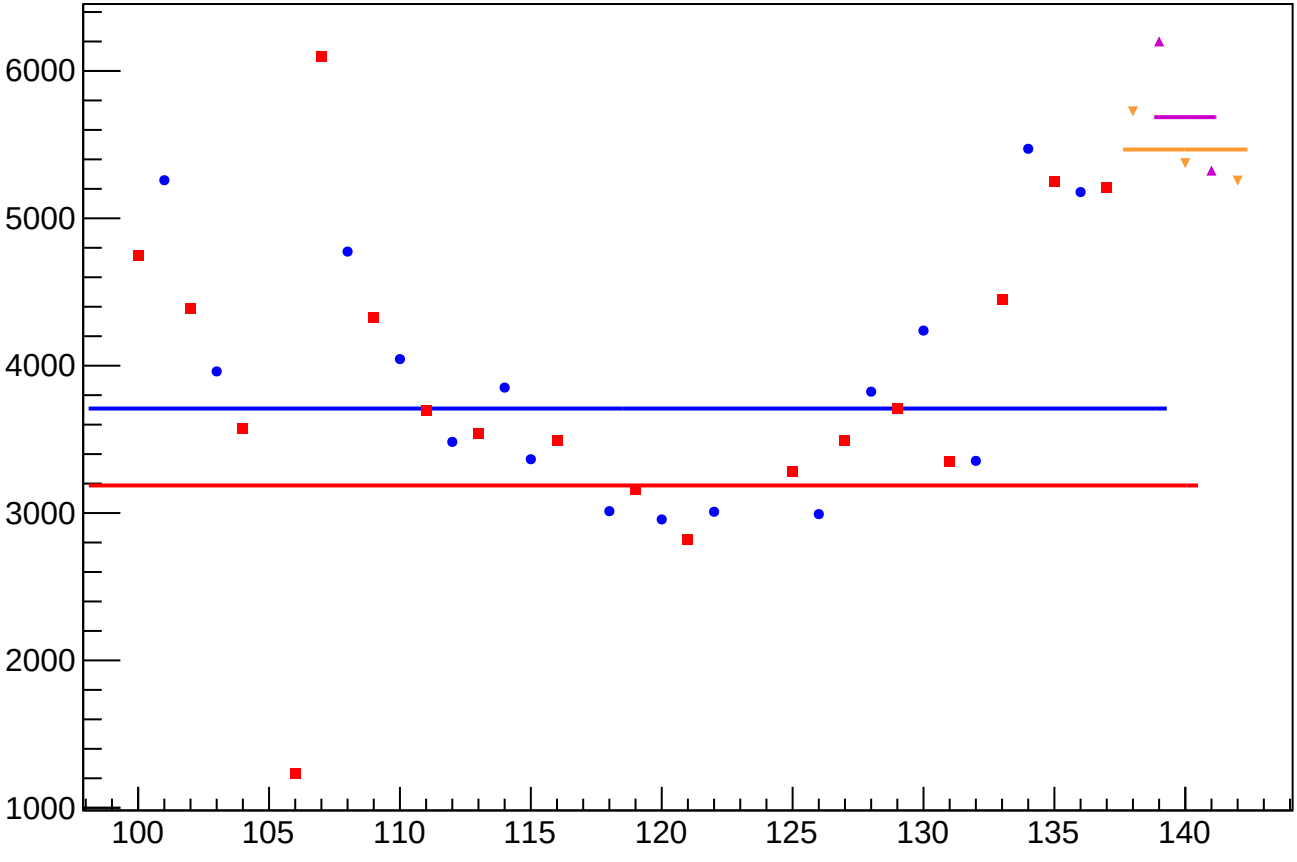
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2632.898+/-1345.103 χ^2/NDF:13.6/17

Out: 1001.264+/-1300.437 χ^2/NDF:20.3/20

All: 1789.541+/-934.940 χ^2/NDF: 34.7/38

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5467.085+/-2.705 χ^2/NDF:5058.0/2

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5686.617+/-3.074 χ^2/NDF:19725.5/1

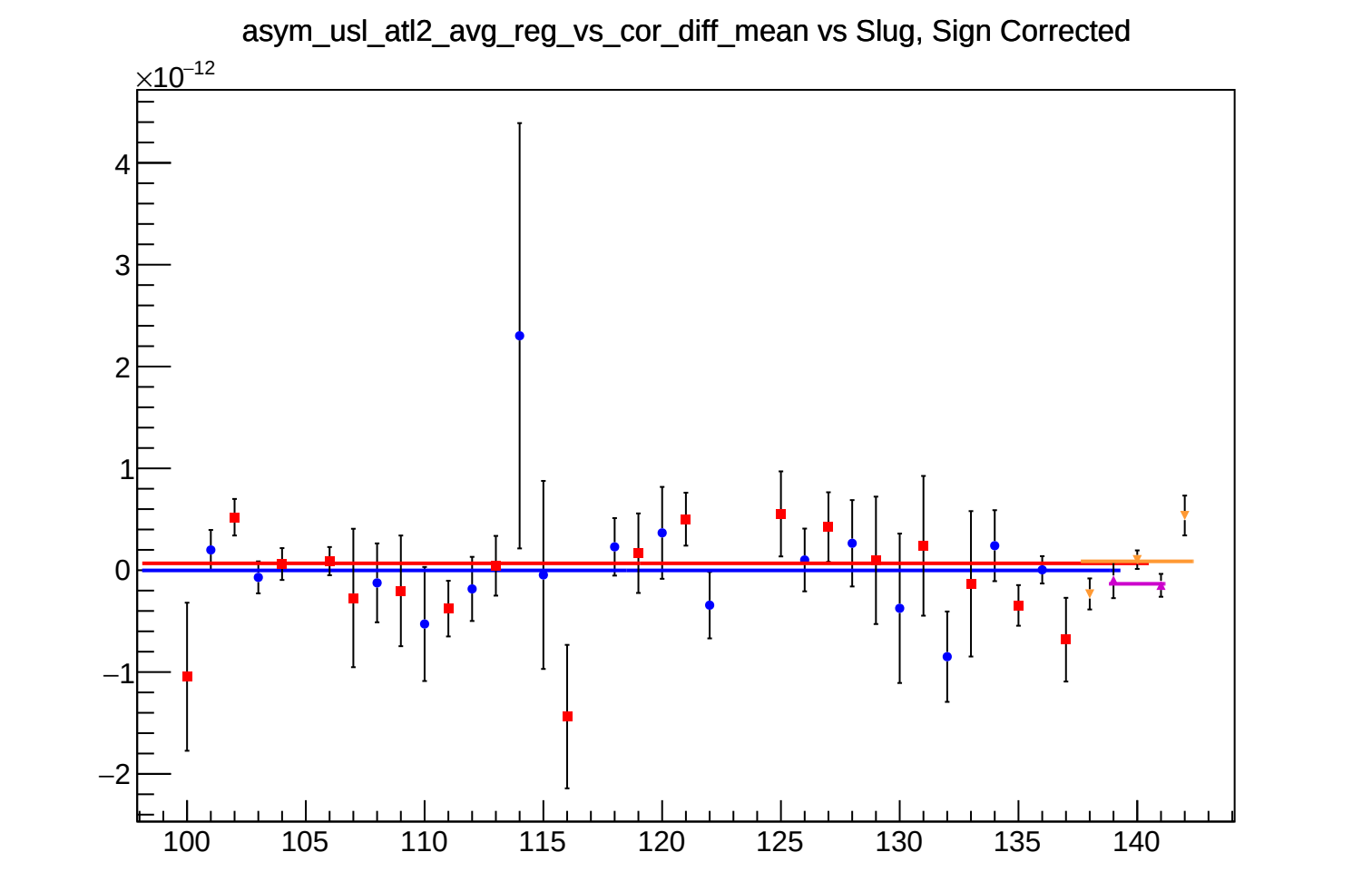
Left: 5562.860+/-2.031 χ^2/NDF: 27658.0/4

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 3898.423+/-0.951 χ^2/NDF:1004484.8/17

Out: 3412.478+/-0.850 χ^2/NDF:2256280.9/20

All: 3628.299+/-0.634 χ^2/NDF: 3405866.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

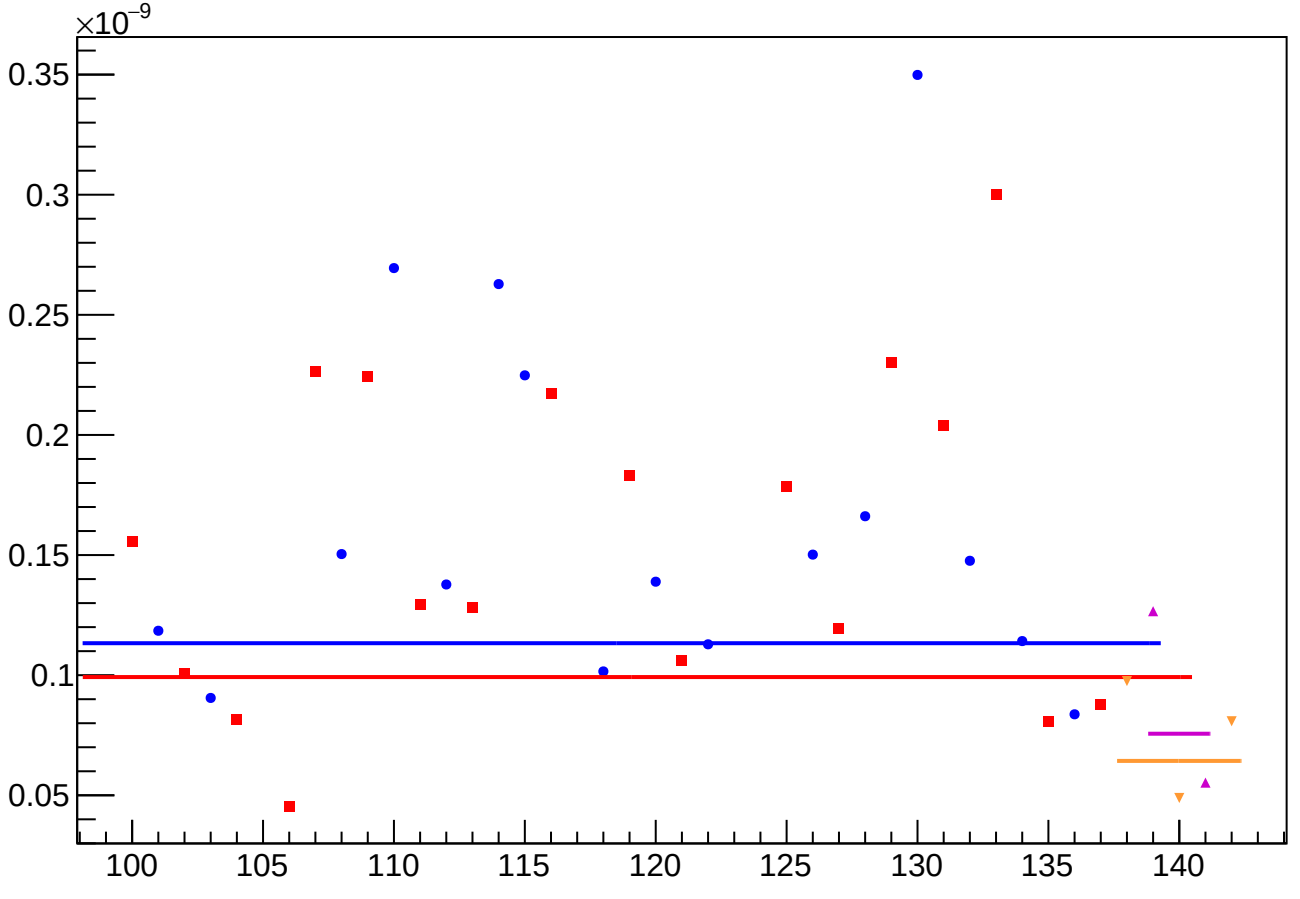
Left: 0.000+/-0.000 χ^2/NDF: 13.2/4

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:12.4/17

Out: 0.000+/-0.000 χ^2/NDF:39.3/20

All: 0.000+/-0.000 χ^2/NDF: 54.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:166773.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:230009.2/1

Left: 0.000+/-0.000 χ^2/NDF: 414701.2/4

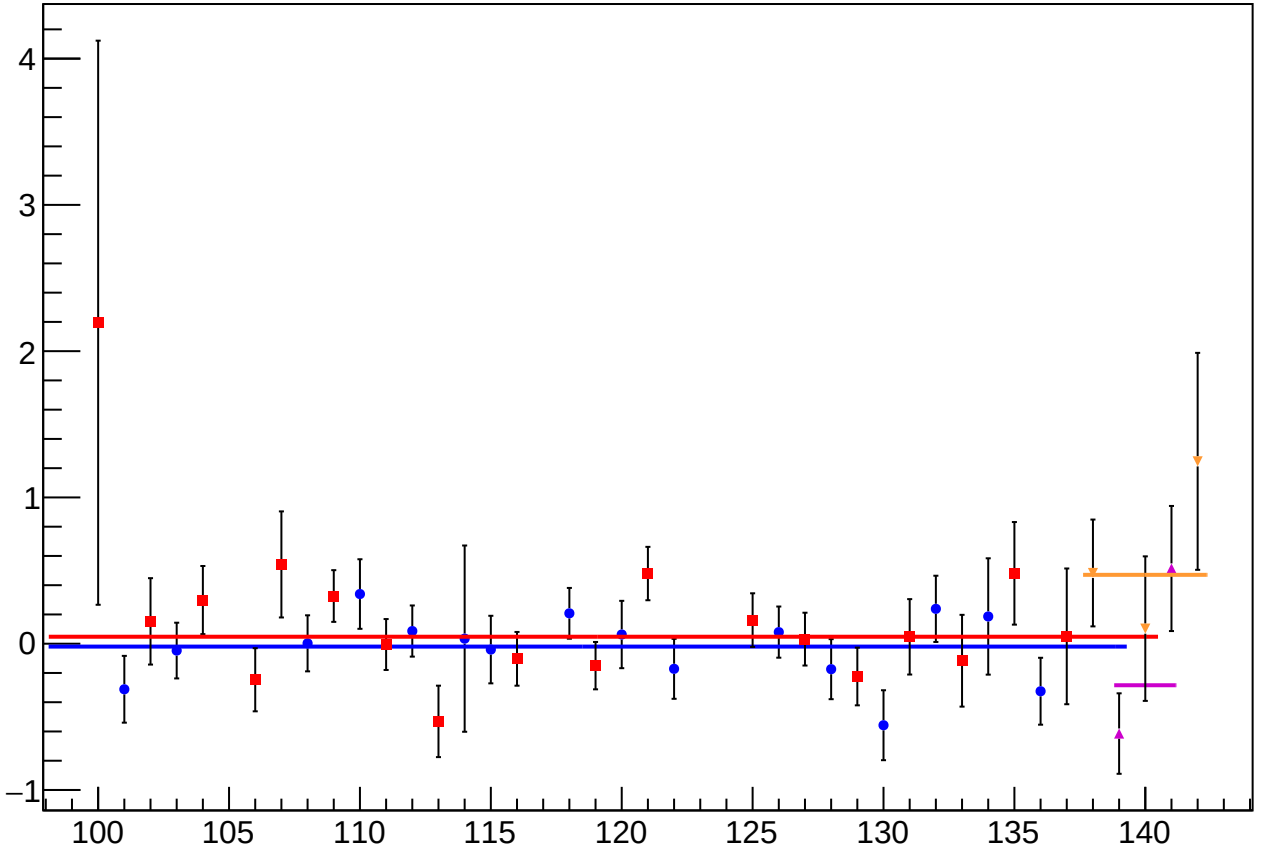
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1088786.4/17

Out: 0.000+/-0.000 χ^2/NDF:1521987.5/20

All: 0.000+/-0.000 χ^2/NDF: 2707862.8/38

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: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

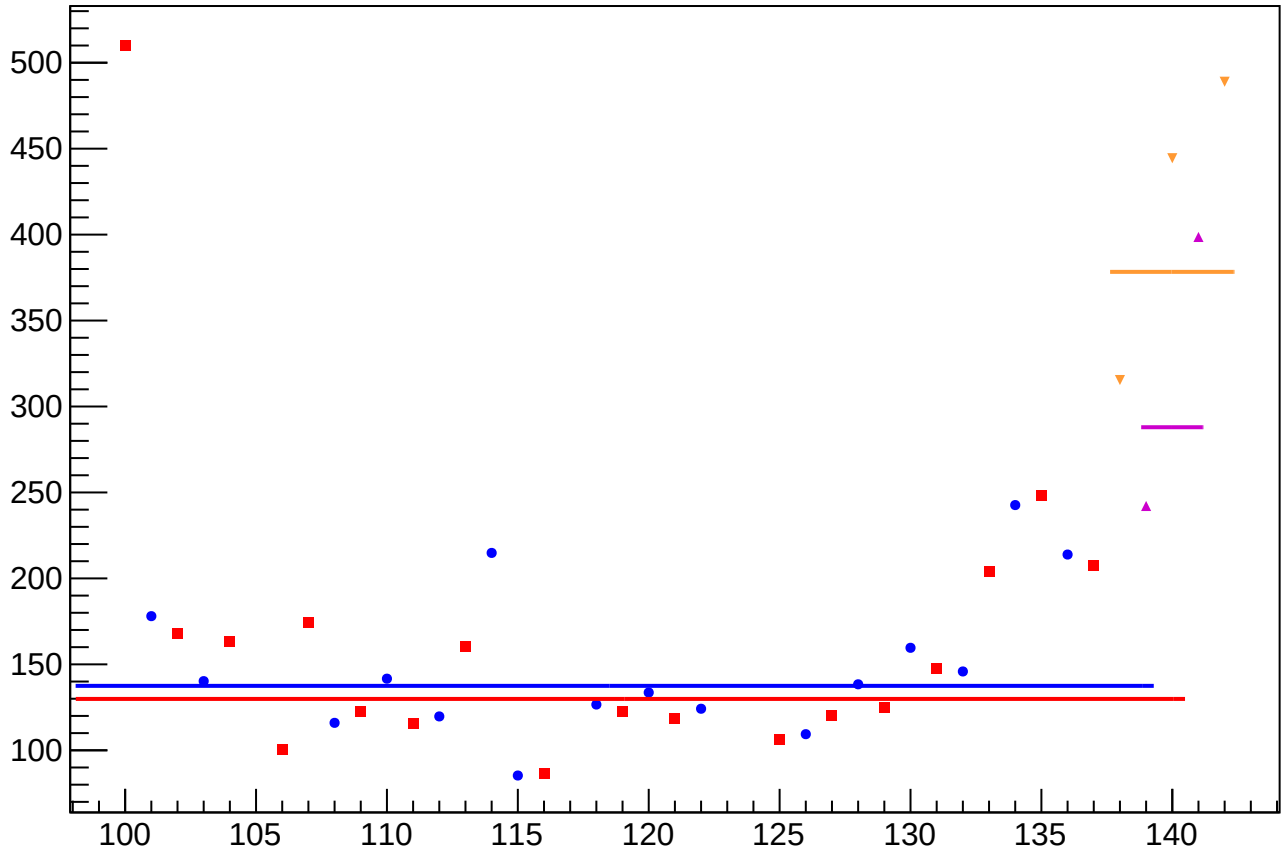
Left: 0.032+/-0.177 χ^2/NDF: 11.0/4

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.016+/-0.037 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 378.327+/-0.193 χ^2/NDF:139695.1/2

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: 325.721+/-0.125 χ^2/NDF: 456698.2/4

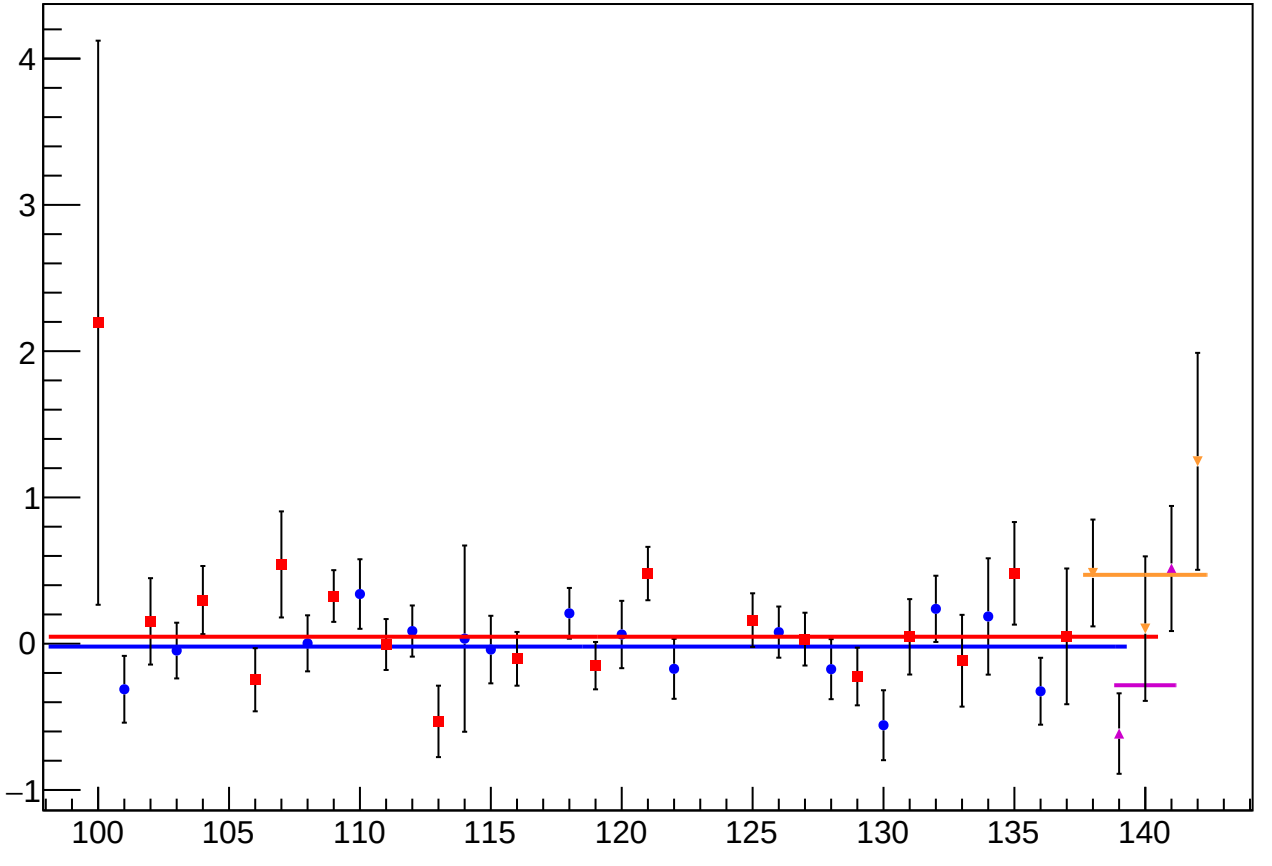
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 145.321+/-0.037 χ^2/NDF:1684086.5/17

Out: 138.743+/-0.036 χ^2/NDF:2570574.2/20

All: 141.955+/-0.026 χ^2/NDF: 4270556.5/38

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: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

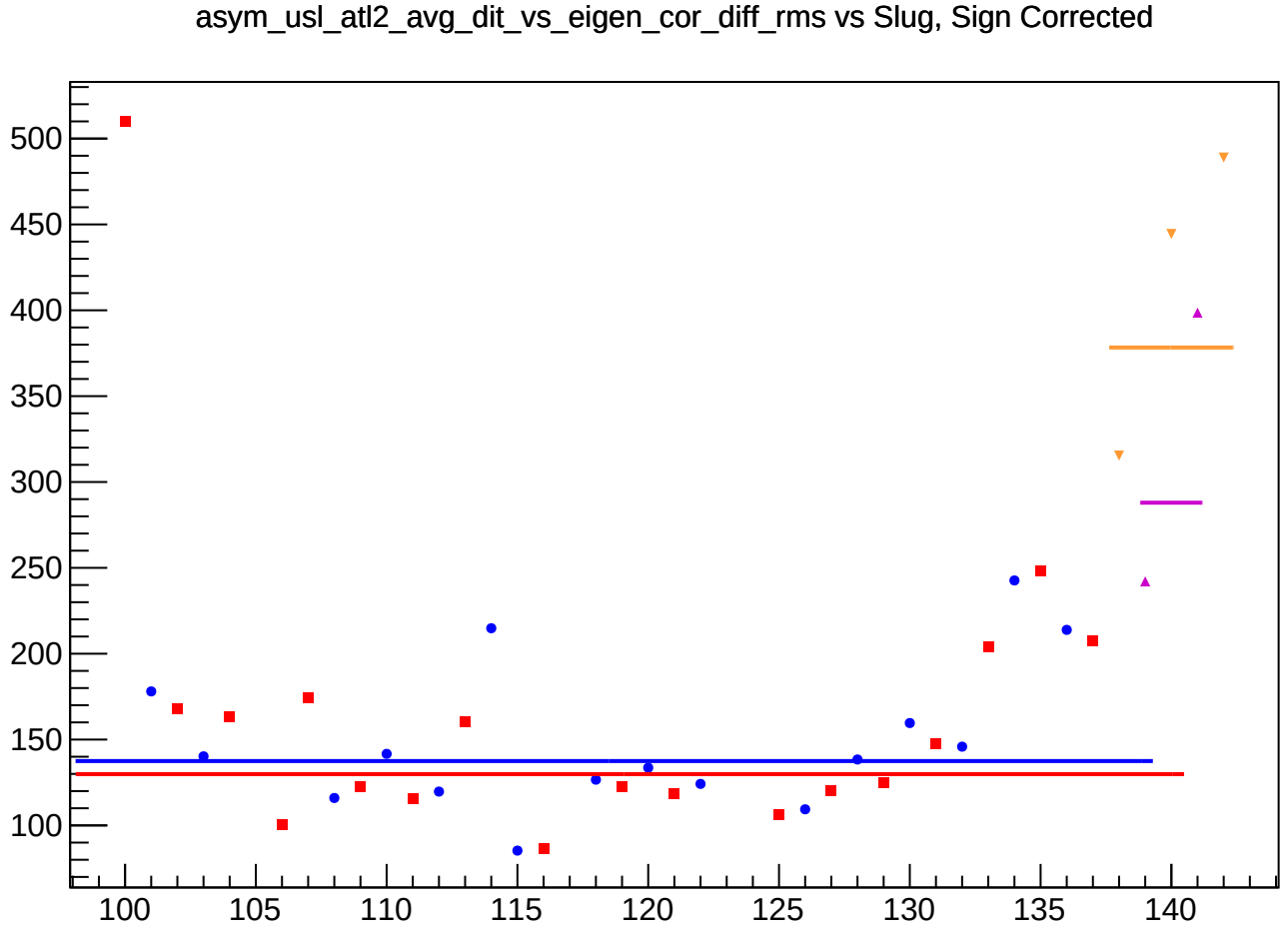
Left: 0.032+/-0.177 χ^2/NDF: 11.0/4

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.016+/-0.037 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 378.327+/-0.193 χ^2/NDF:139695.1/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 287.945+/-0.164 χ^2/NDF:189442.9/1

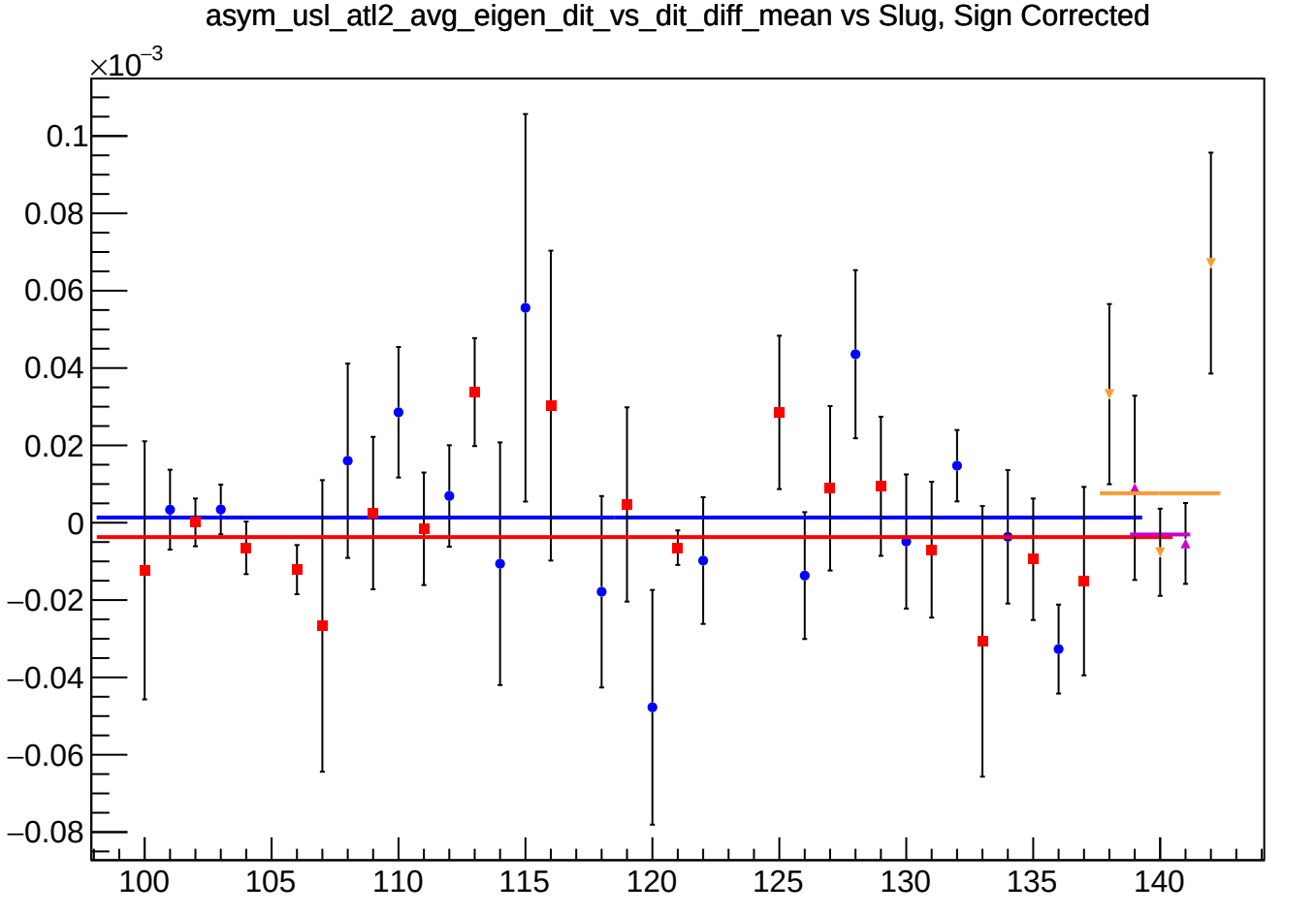
Left: 325.721+/-0.125 χ^2/NDF: 456698.2/4

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

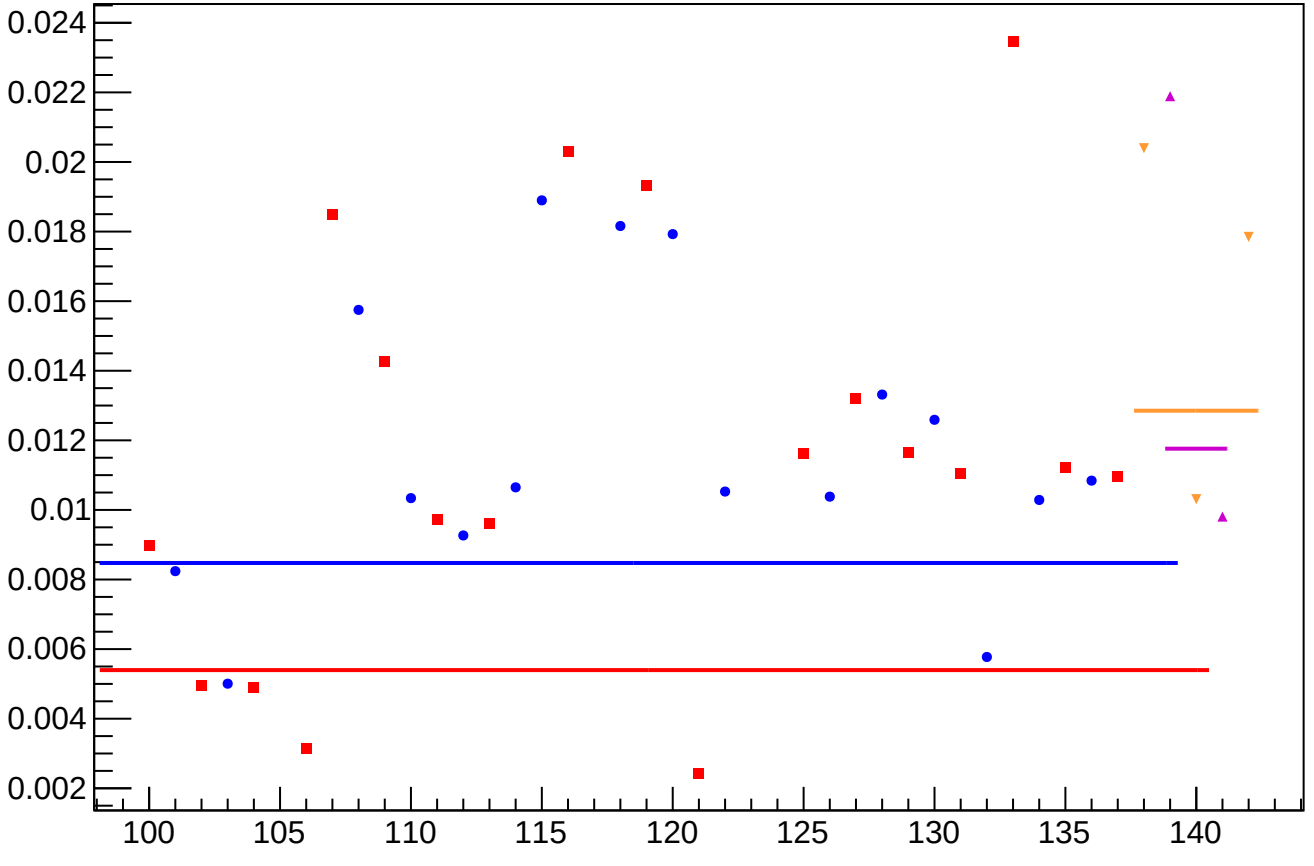
In: 145.321+/-0.037 χ^2/NDF:1684086.5/17

Out: 138.743+/-0.036 χ^2/NDF:2570574.2/20

All: 141.955+/-0.026 χ^2/NDF: 4270556.5/38


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:7.4/2
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: 8.3/4
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:24.5/20
All: -0.000+/-0.000 χ²/NDF: 49.8/38

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.013+/-0.000 χ^2/NDF:372621.2/2

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: 816890.8/4

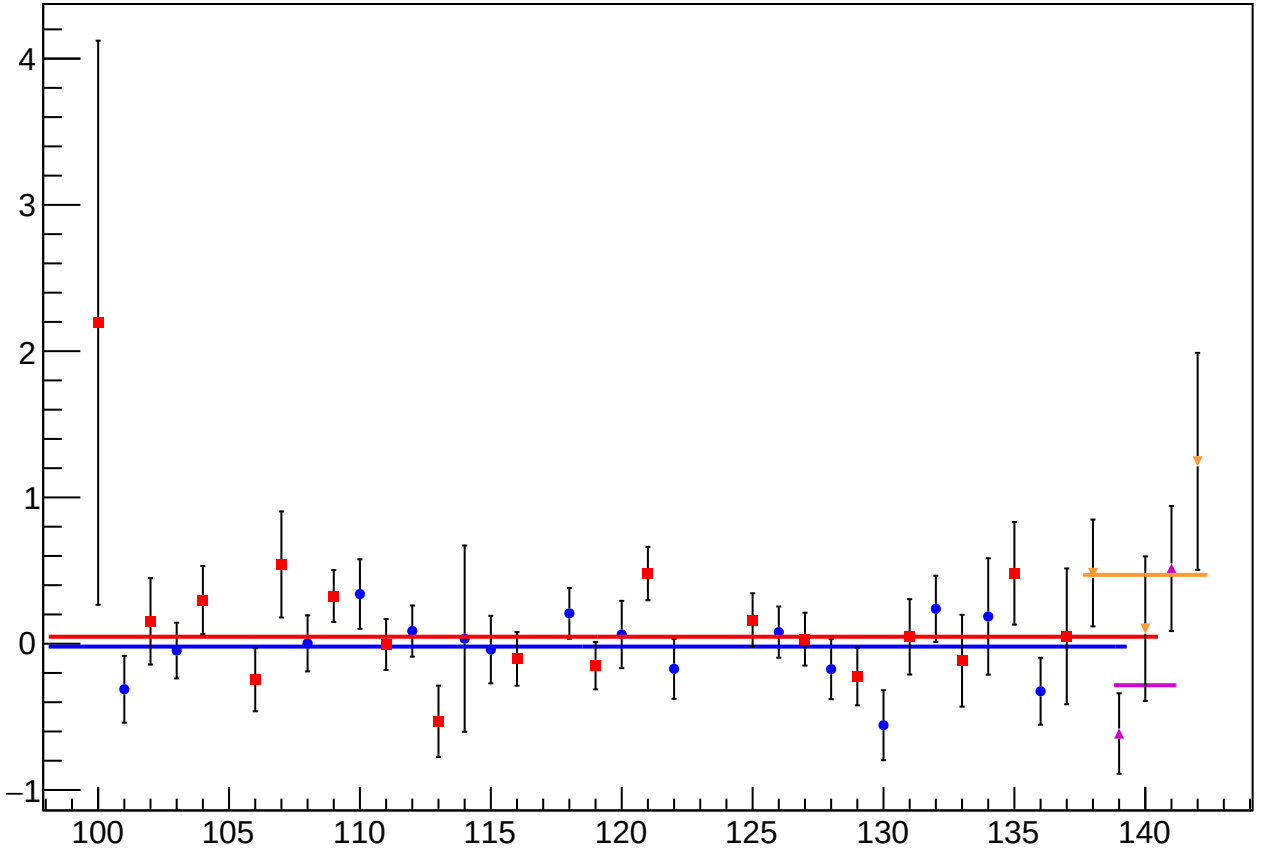
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.009+/-0.000 χ^2/NDF:2565643.3/17

Out: 0.006+/-0.000 χ^2/NDF:6418230.5/20

All: 0.007+/-0.000 χ^2/NDF: 10053217.3/38

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: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

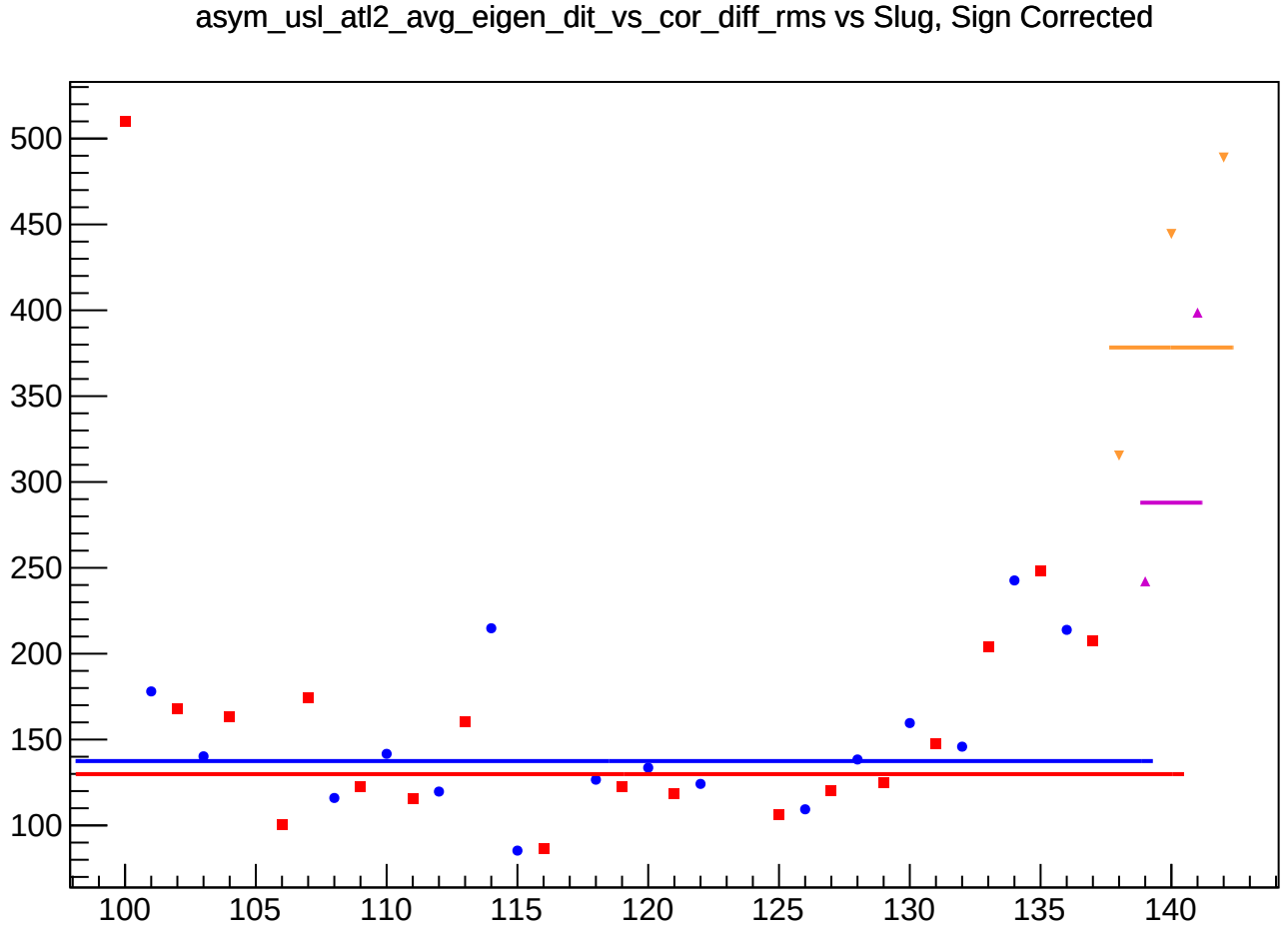
Left: 0.032+/-0.177 χ^2/NDF: 11.0/4

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.016+/-0.037 χ^2/NDF: 54.1/38



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 378.331+/-0.193 χ^2/NDF:139704.2/2

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 287.953+/-0.164 χ^2/NDF:189431.9/1

Left: 325.728+/-0.125 χ^2/NDF: 456680.9/4

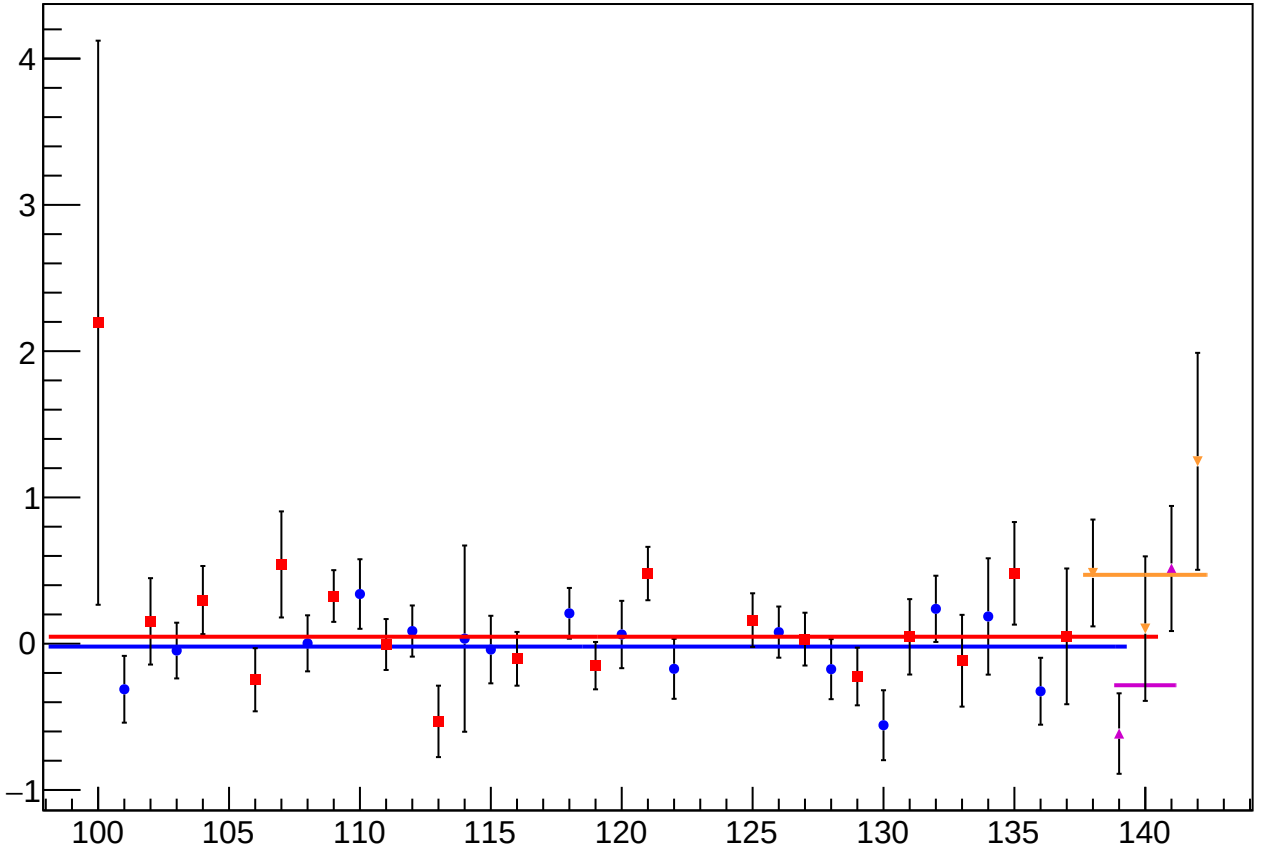
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 145.320+/-0.037 χ^2/NDF:1684095.3/17

Out: 138.743+/-0.036 χ^2/NDF:2570552.8/20

All: 141.955+/-0.026 χ^2/NDF: 4270543.4/38

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: 0.471+/-0.273 χ^2/NDF:1.6/2

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.284+/-0.231 χ^2/NDF:4.9/1

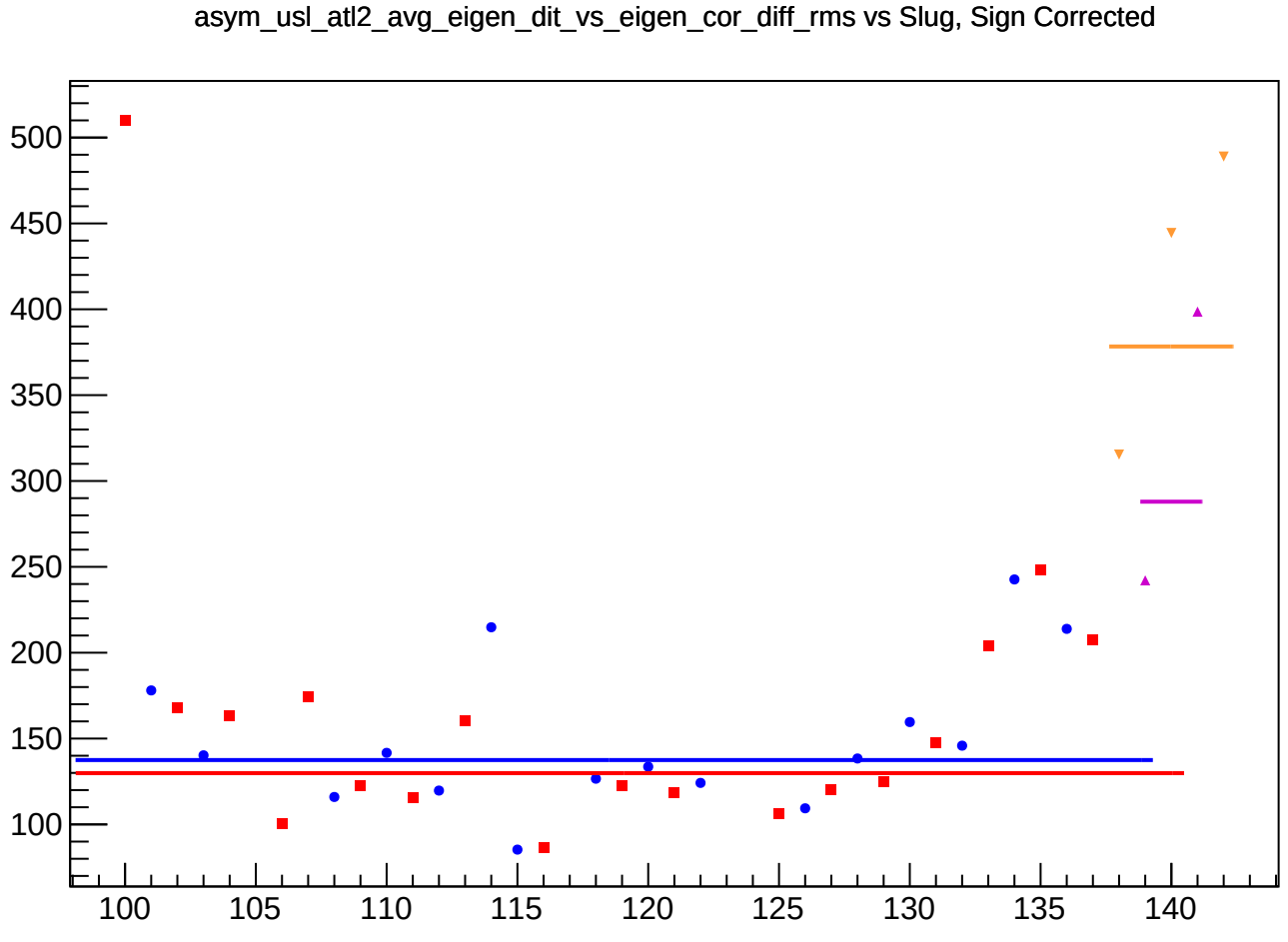
Left: 0.032+/-0.177 χ^2/NDF: 11.0/4

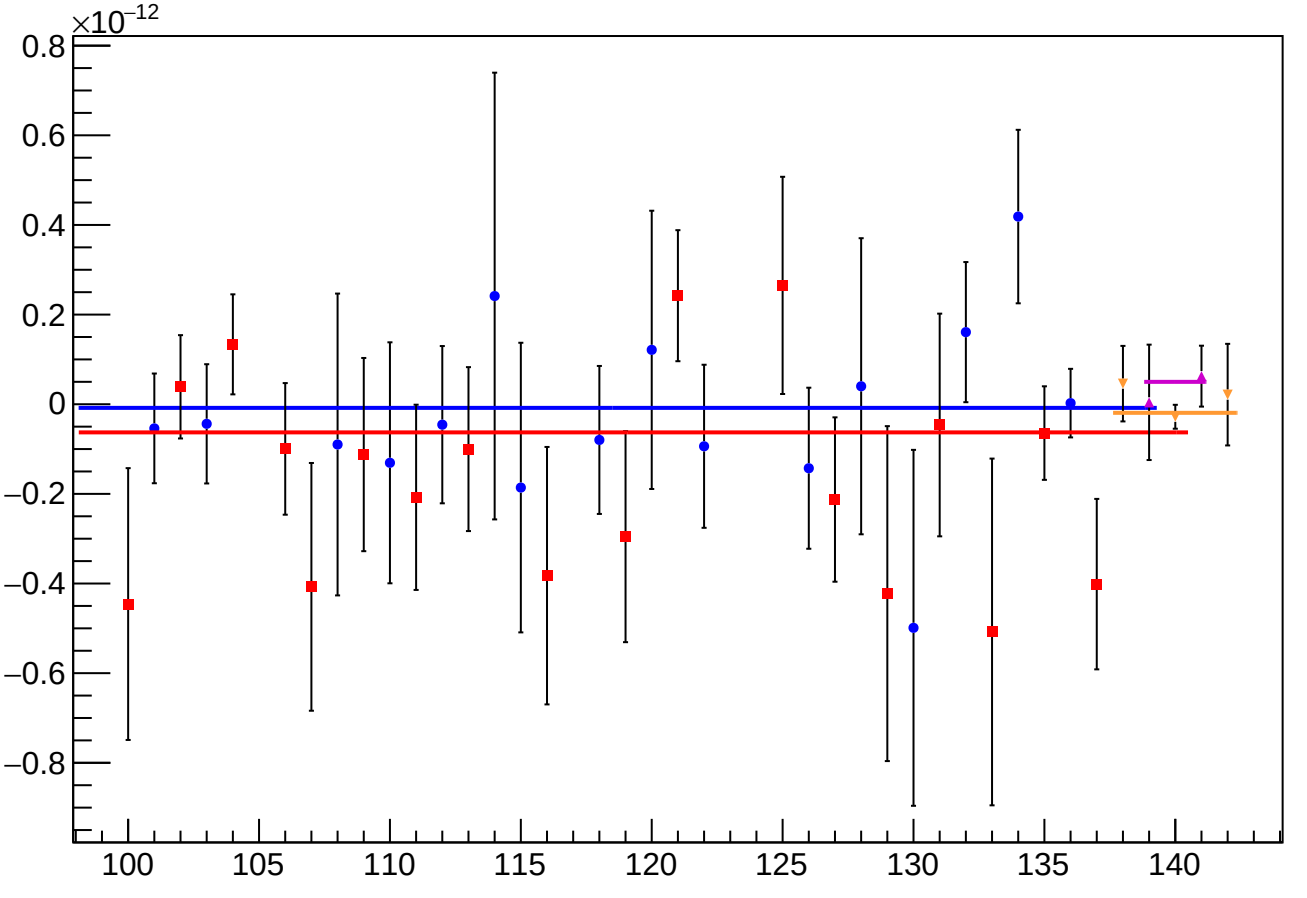
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.053 χ^2/NDF:22.2/17

Out: 0.063+/-0.052 χ^2/NDF:30.3/20

All: 0.016+/-0.037 χ^2/NDF: 54.1/38


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
105
110
115
120
125
130
135
140
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 378.331+/-0.193 χ²/NDF:139704.2/2
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 287.953+/-0.164 χ²/NDF:189431.9/1
Left: 325.728+/-0.125 χ²/NDF: 456680.9/4
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 145.320+/-0.037 χ²/NDF:1684095.3/17
Out: 138.743+/-0.036 χ²/NDF:2570552.8/20
All: 141.955+/-0.026 χ²/NDF: 4270543.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/2

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

Left: -0.000+/-0.000 χ^2/NDF: 2.1/4

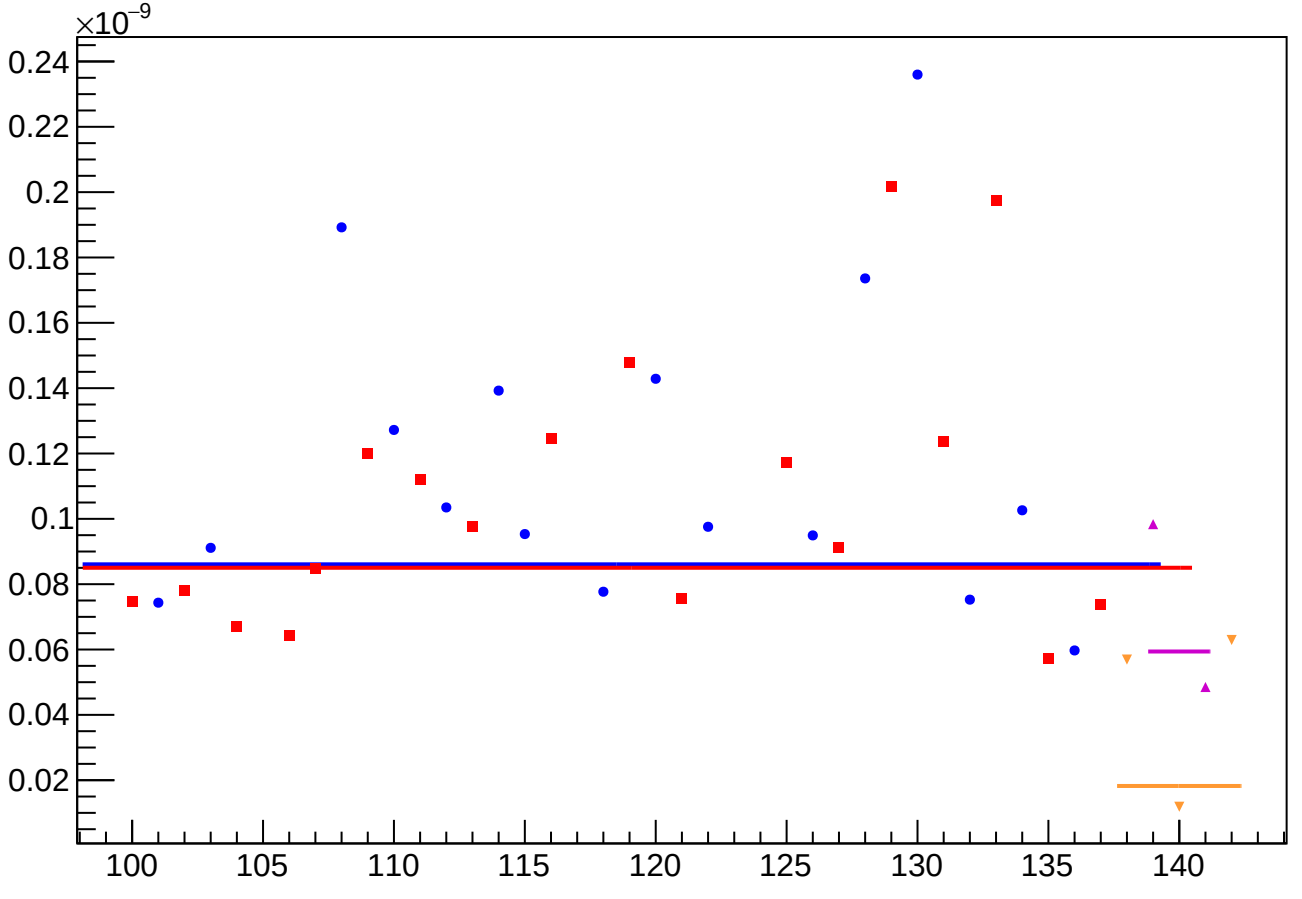
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: 0.000+/-0.000 χ^2/NDF:10.6/17

Out: -0.000+/-0.000 χ^2/NDF:23.8/20

All: -0.000+/-0.000 χ^2/NDF: 35.5/38

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:846276.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:234584.5/1

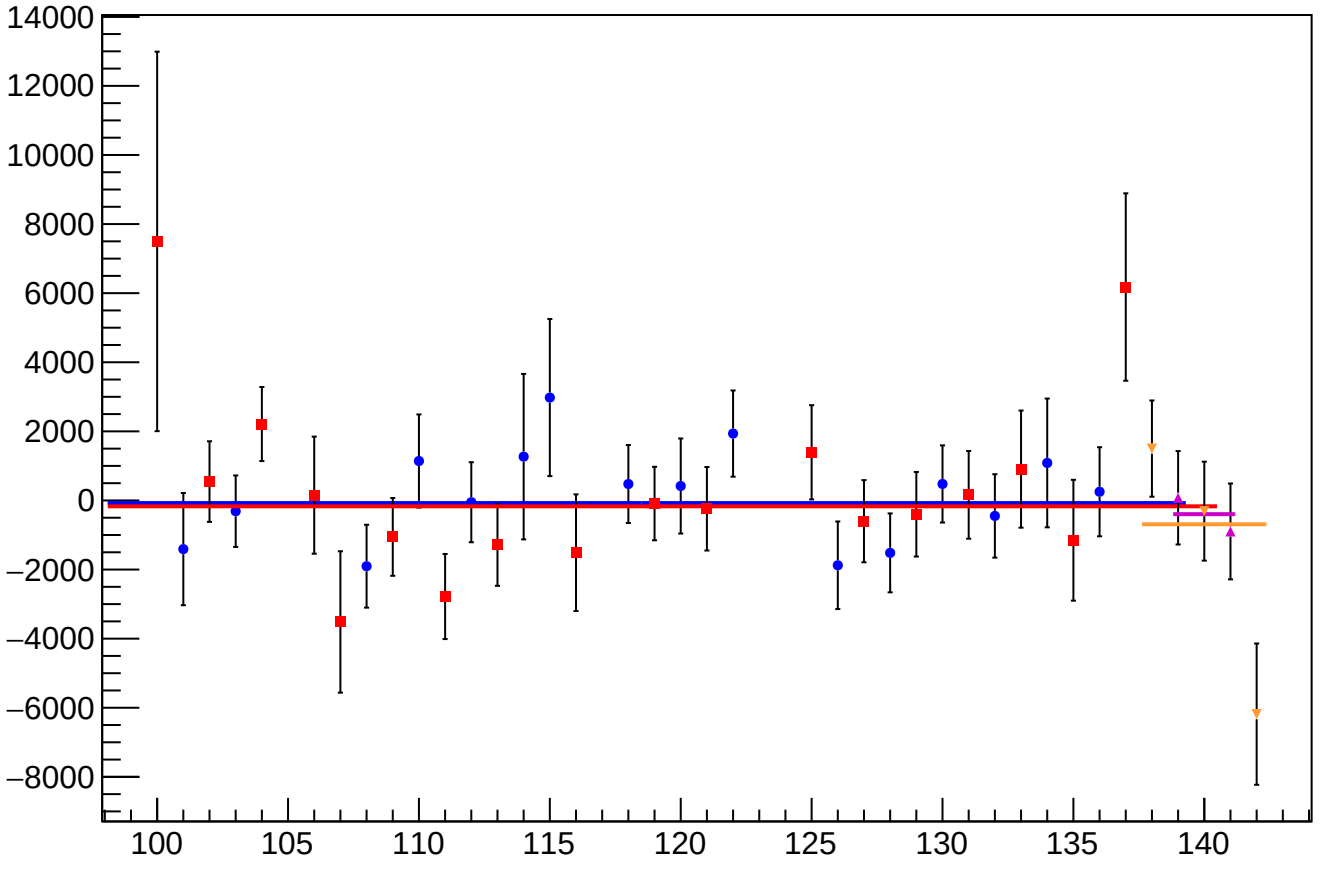
Left: 0.000+/-0.000 χ^2/NDF: 1882545.7/4

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:5613640.7/20

All: 0.000+/-0.000 χ^2/NDF: 9261402.1/38



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -689.693+/-897.152 χ^2/NDF:9.8/2

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -396.916+/-968.181 χ^2/NDF:0.3/1

Left: -554.437+/-658.062 χ^2/NDF: 10.1/4

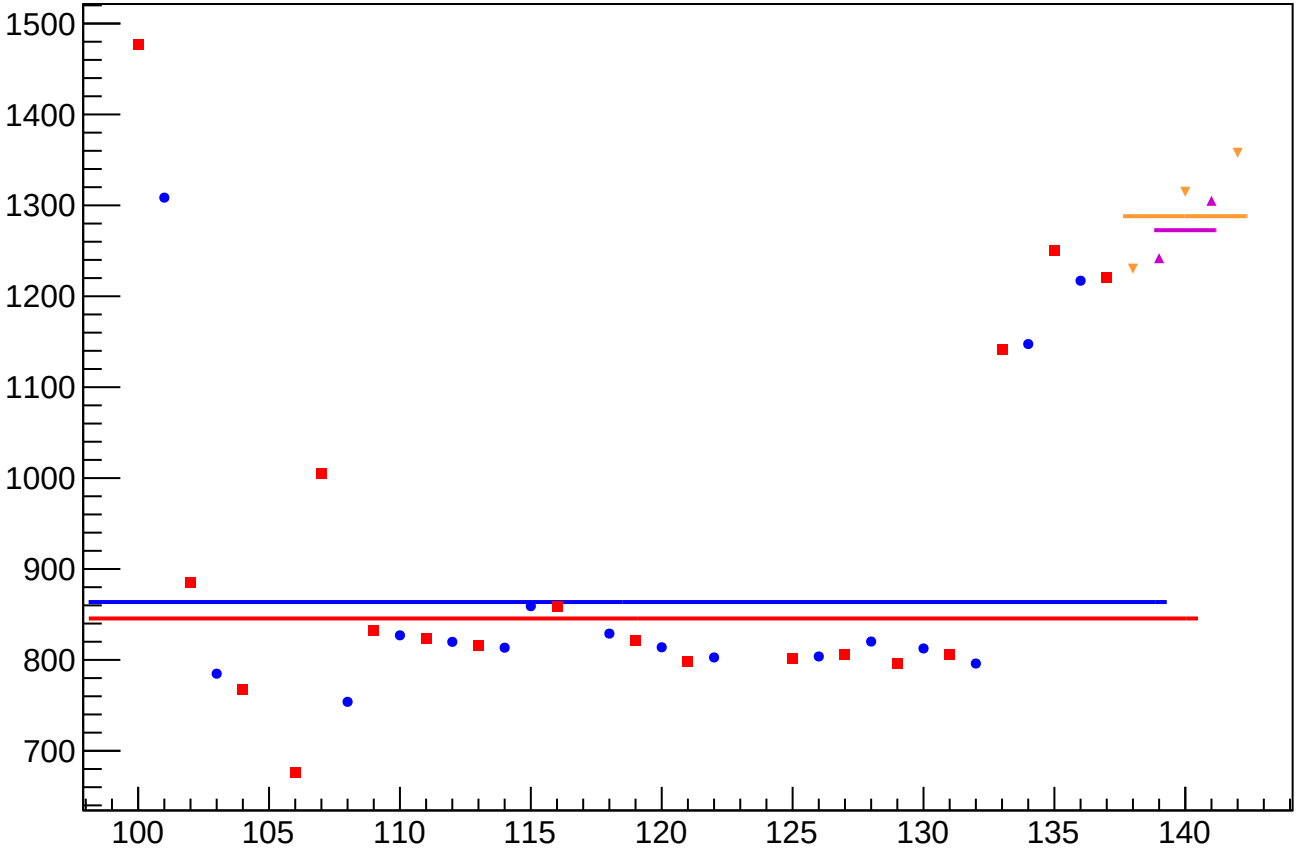
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -108.670+/-309.149 χ^2/NDF:13.7/17

Out: -228.670+/-302.926 χ^2/NDF:34.4/20

All: -169.890+/-216.368 χ^2/NDF: 48.2/38

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

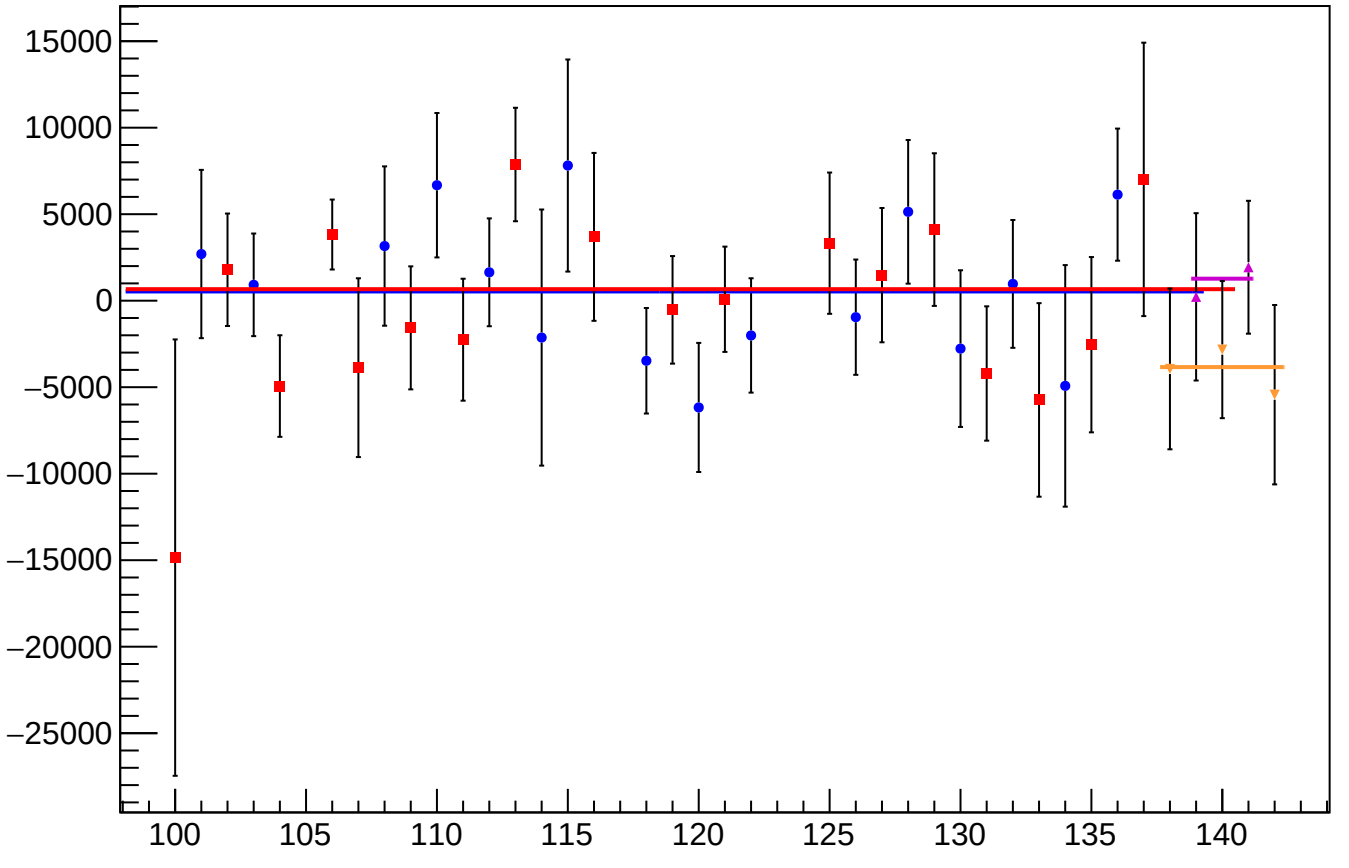
Left: 1280.960+/-0.465 χ^2/NDF: 8863.4/4

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 905.365+/-0.219 χ^2/NDF:730184.2/17

Out: 894.926+/-0.212 χ^2/NDF:746500.9/20

All: 899.981+/-0.152 χ^2/NDF: 1477861.1/38



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3837.763+/-2606.087 χ^2/NDF:0.2/2

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: 1272.122+/-3007.420 χ^2/NDF:0.1/1

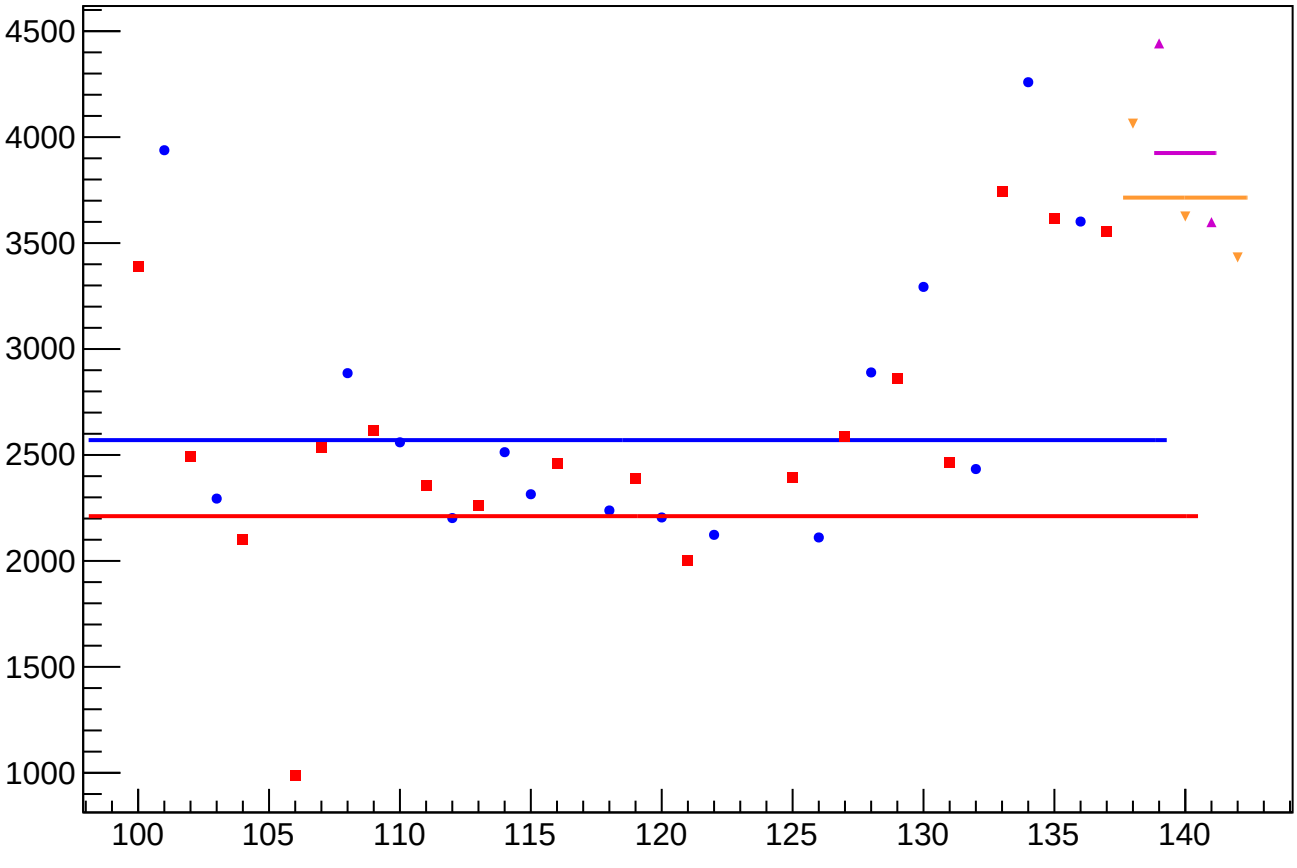
Left: -1646.290+/-1969.503 χ^2/NDF: 1.9/4

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 605.481+/-932.886 χ^2/NDF:14.8/17

Out: 218.986+/-820.934 χ^2/NDF:22.8/20

All: 387.663+/-616.288 χ^2/NDF: 37.7/38



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3714.528+/-1.843 χ^2/NDF:18230.3/2

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3924.953+/-2.127 χ^2/NDF:37314.7/1

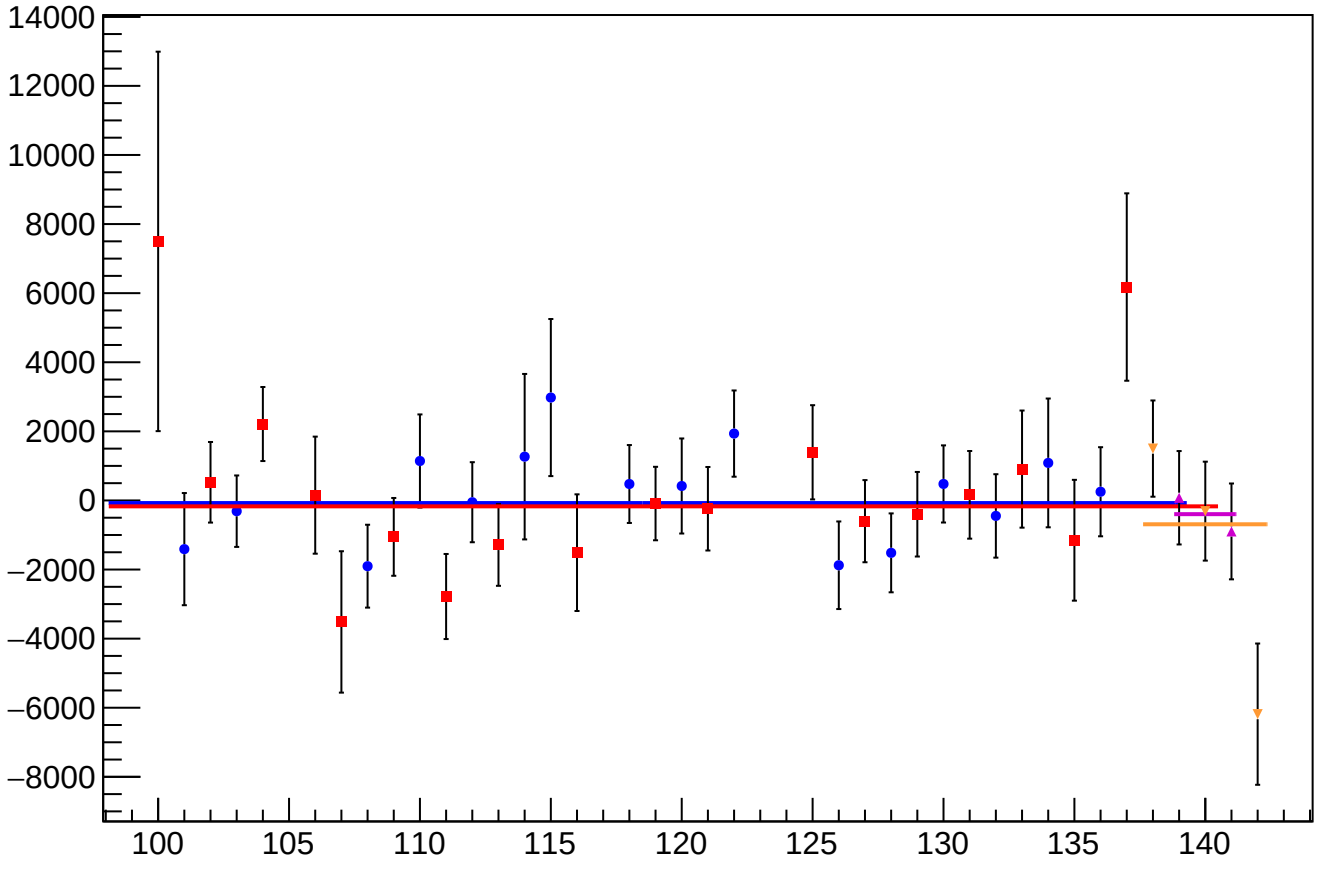
Left: 3804.773+/-1.393 χ^2/NDF: 61137.0/4

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2700.496+/-0.660 χ^2/NDF:1066623.5/17

Out: 2360.436+/-0.580 χ^2/NDF:1881742.3/20

All: 2508.847+/-0.436 χ^2/NDF: 3098139.5/38



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -689.857+/-897.152 χ^2/NDF:9.8/2

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -396.815+/-968.181 χ^2/NDF:0.3/1

Left: -554.478+/-658.062 χ^2/NDF: 10.1/4

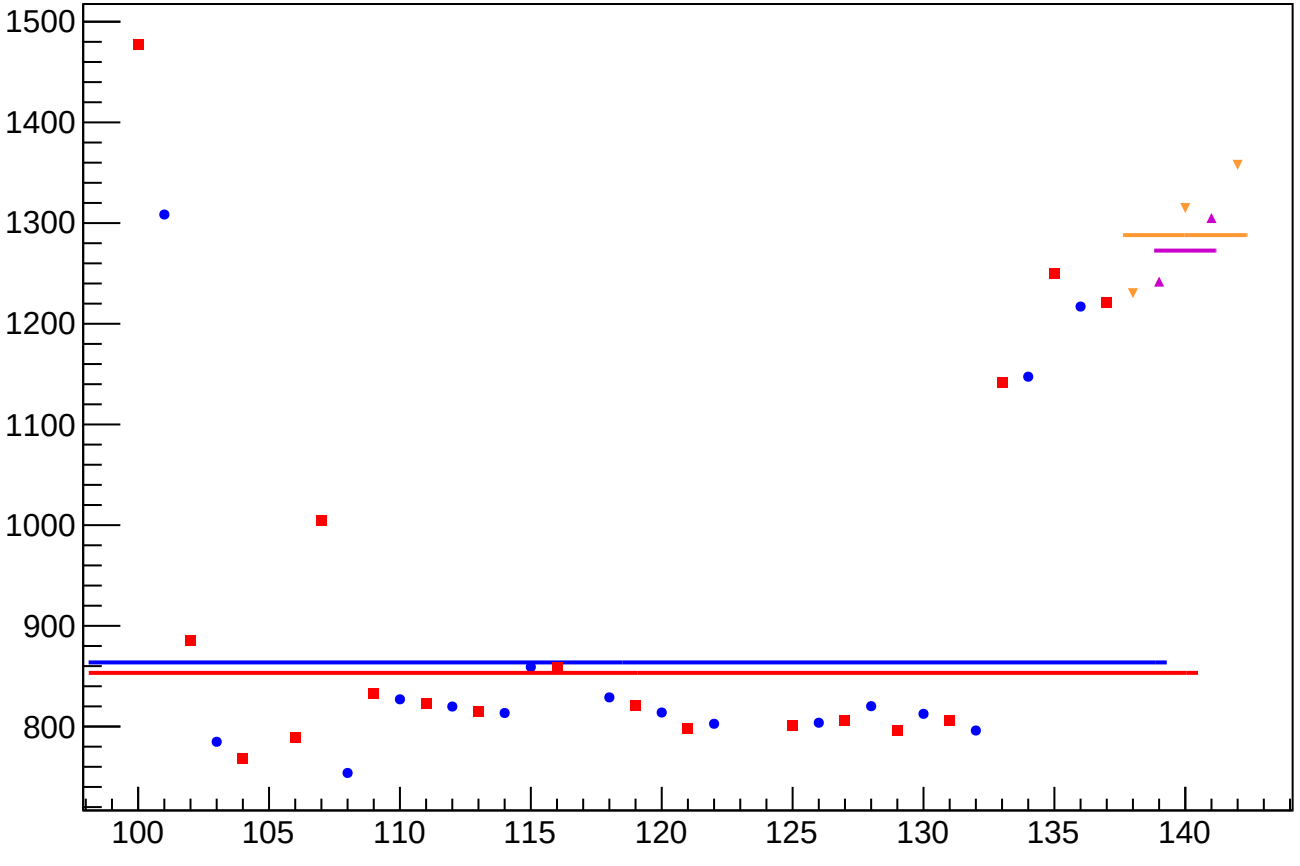
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -108.730+/-309.149 χ^2/NDF:13.7/17

Out: -230.141+/-302.930 χ^2/NDF:34.4/20

All: -170.668+/-216.369 χ^2/NDF: 48.2/38

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

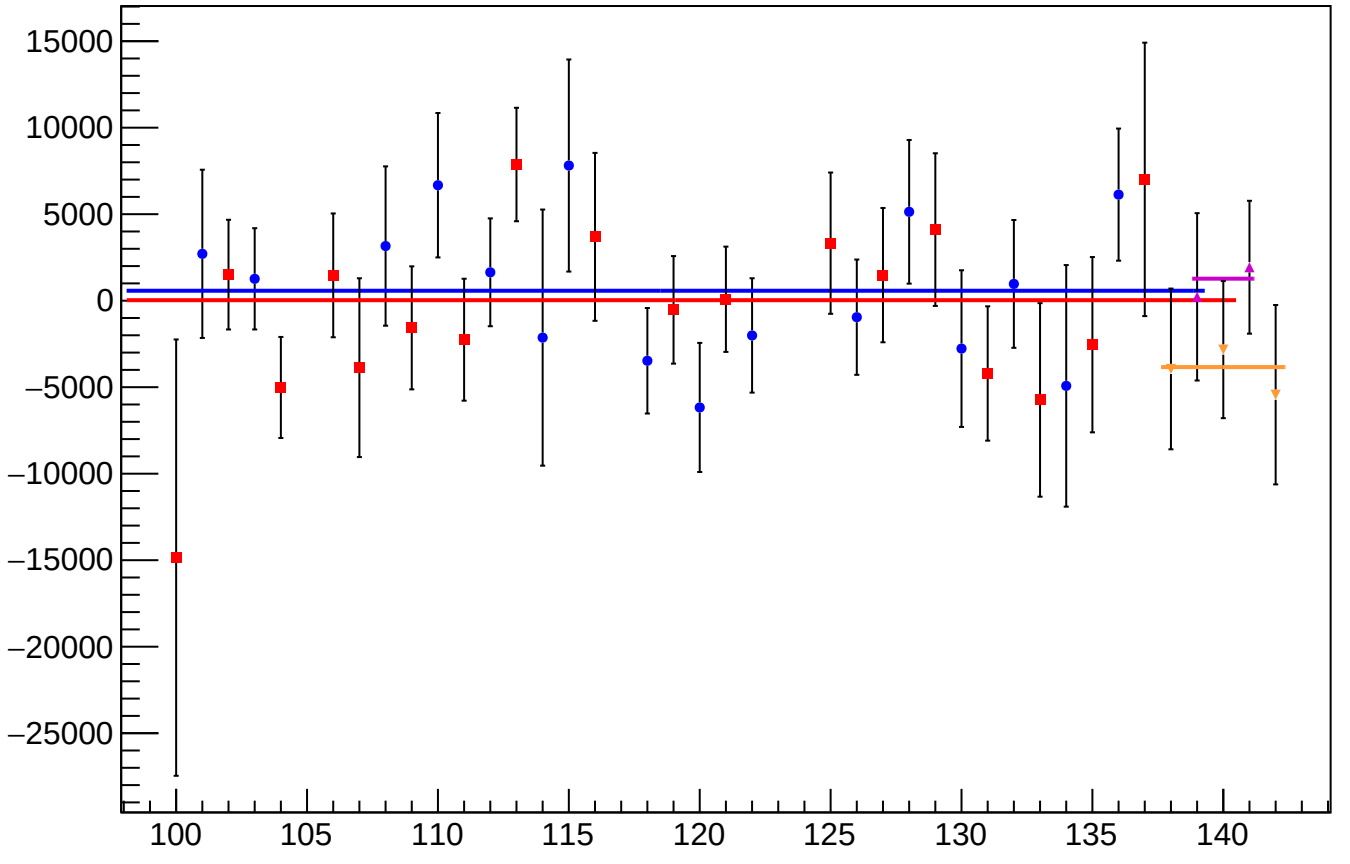
Left: 1280.960+/-0.465 χ^2/NDF: 8863.4/4

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 905.364+/-0.219 χ^2/NDF:730184.0/17

Out: 902.407+/-0.213 χ^2/NDF:698469.1/20

All: 903.849+/-0.153 χ^2/NDF: 1428746.9/38



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3838.045+/-2606.092 χ^2/NDF:0.2/2

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1272.185+/-3007.418 χ^2/NDF:0.1/1

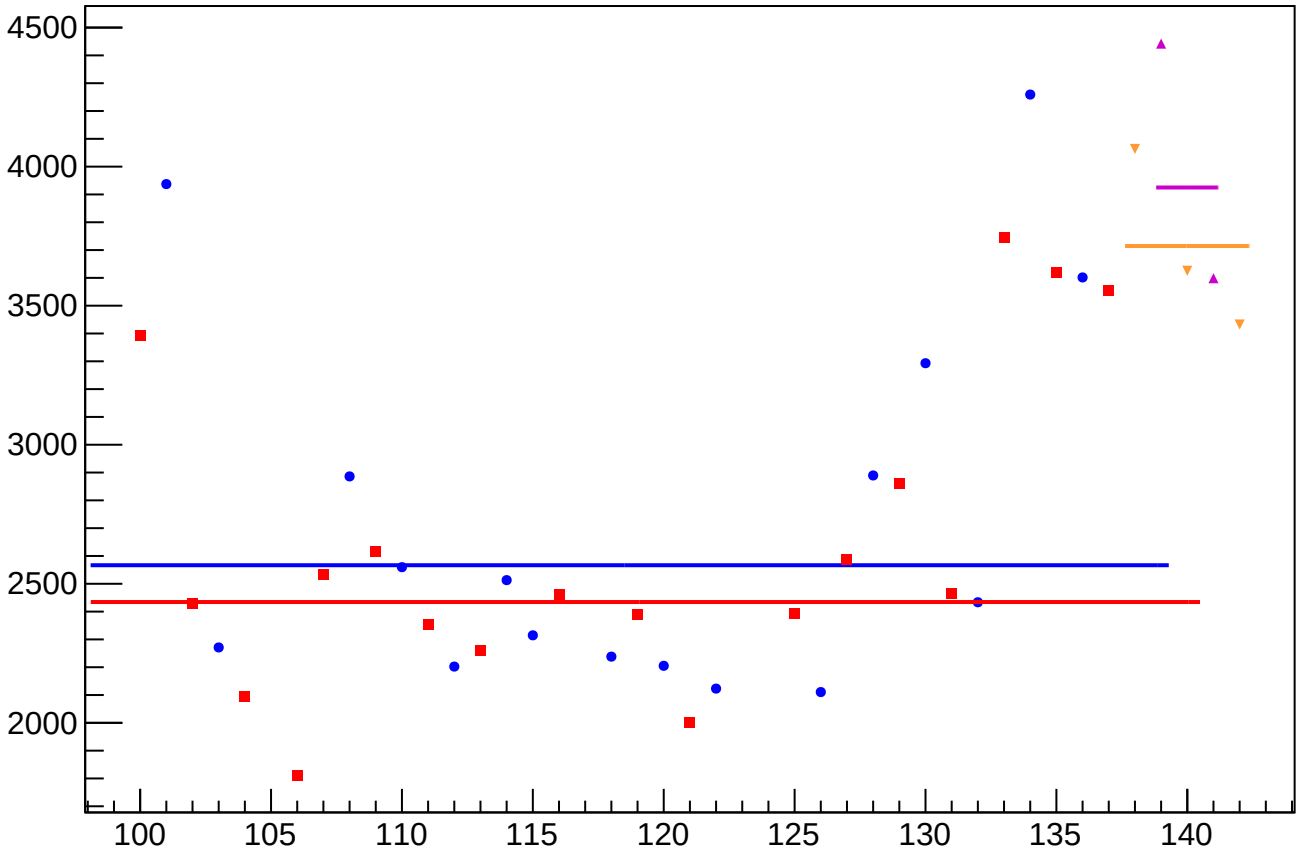
Left: -1646.417+/-1969.504 χ^2/NDF: 1.9/4

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 641.874+/-931.654 χ^2/NDF:14.8/17

Out: -401.623+/-869.303 χ^2/NDF:19.3/20

All: 84.042+/-635.590 χ^2/NDF: 34.8/38



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3714.536+/-1.843 χ^2/NDF:18228.7/2

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3924.949+/-2.127 χ^2/NDF:37314.3/1

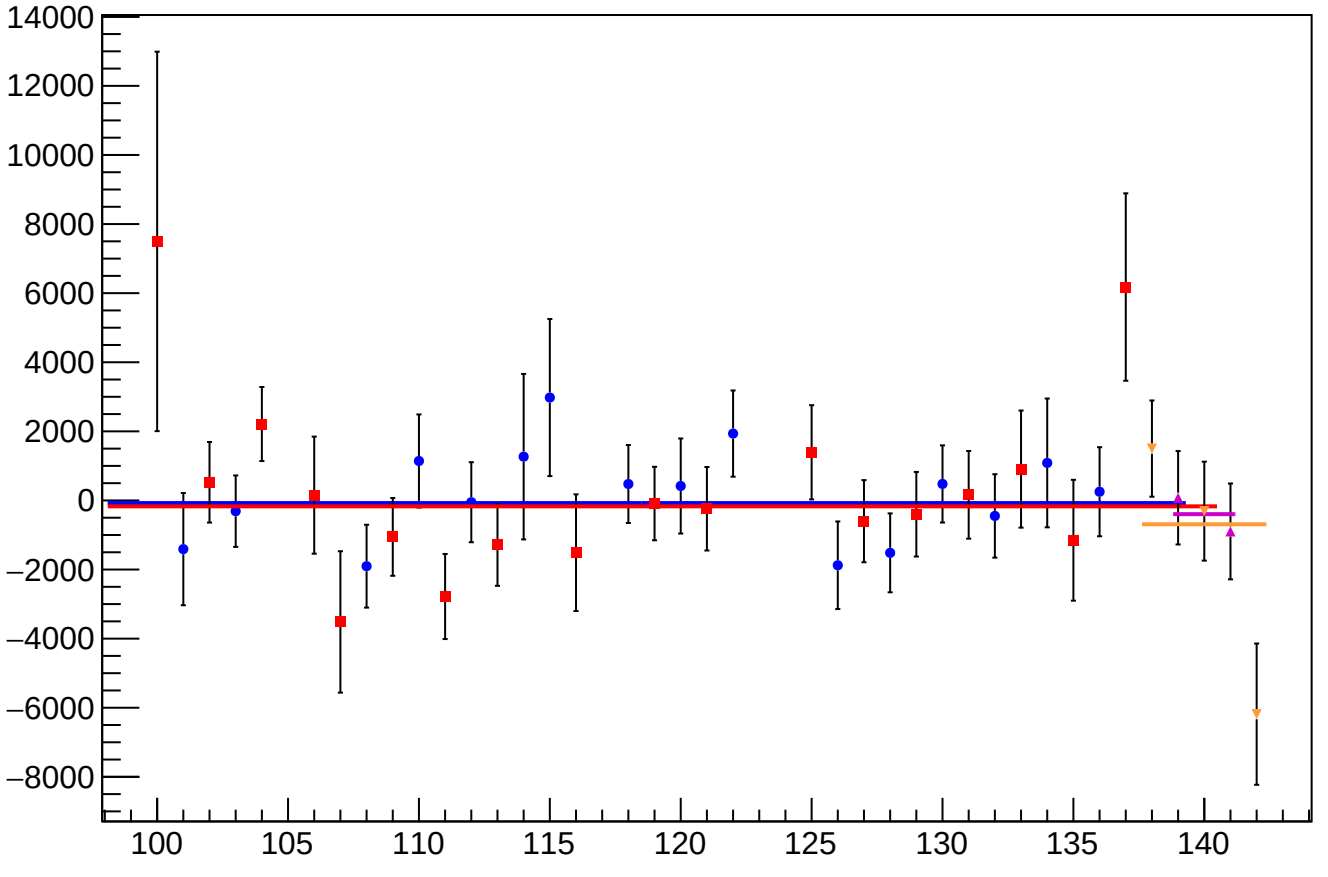
Left: 3804.776+/-1.393 χ^2/NDF: 61134.4/4

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2697.076+/-0.659 χ^2/NDF:1071964.0/17

Out: 2576.862+/-0.615 χ^2/NDF:881166.1/20

All: 2632.812+/-0.449 χ^2/NDF: 1970931.0/38



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -689.857+/-897.152 χ^2/NDF:9.8/2

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -396.815+/-968.181 χ^2/NDF:0.3/1

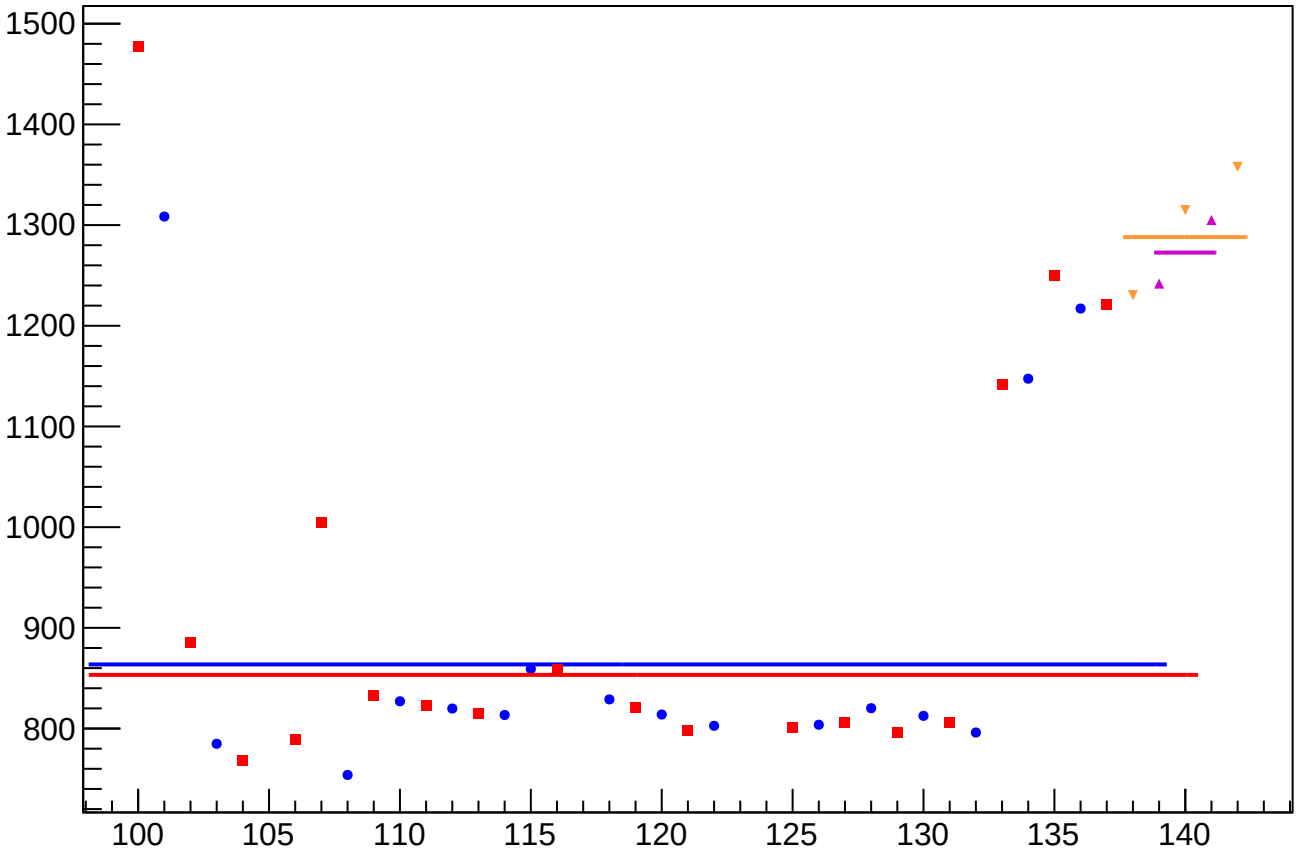
Left: -554.478+/-658.062 χ^2/NDF: 10.1/4

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -108.730+/-309.149 χ^2/NDF:13.7/17

Out: -230.141+/-302.930 χ^2/NDF:34.4/20

All: -170.668+/-216.369 χ^2/NDF: 48.2/38



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1288.066+/-0.634 χ^2/NDF:6464.6/2

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1272.683+/-0.685 χ^2/NDF:2127.1/1

Left: 1280.960+/-0.465 χ^2/NDF: 8863.4/4

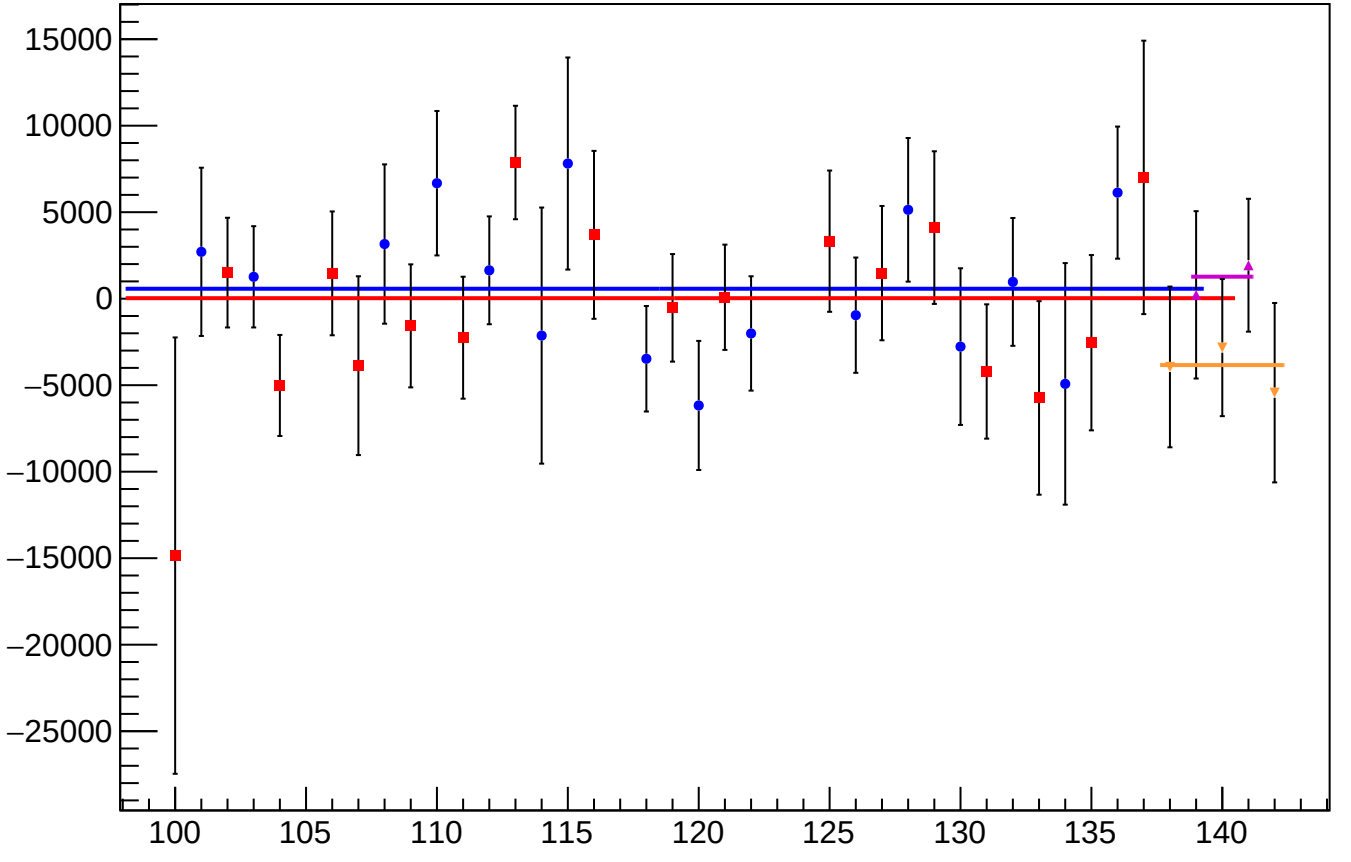
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 905.364+/-0.219 χ^2/NDF:730184.0/17

Out: 902.407+/-0.213 χ^2/NDF:698469.1/20

All: 903.849+/-0.153 χ^2/NDF: 1428746.9/38

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: -3838.045+/-2606.092 χ^2/NDF:0.2/2

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1272.185+/-3007.418 χ^2/NDF:0.1/1

Left: -1646.417+/-1969.504 χ^2/NDF: 1.9/4

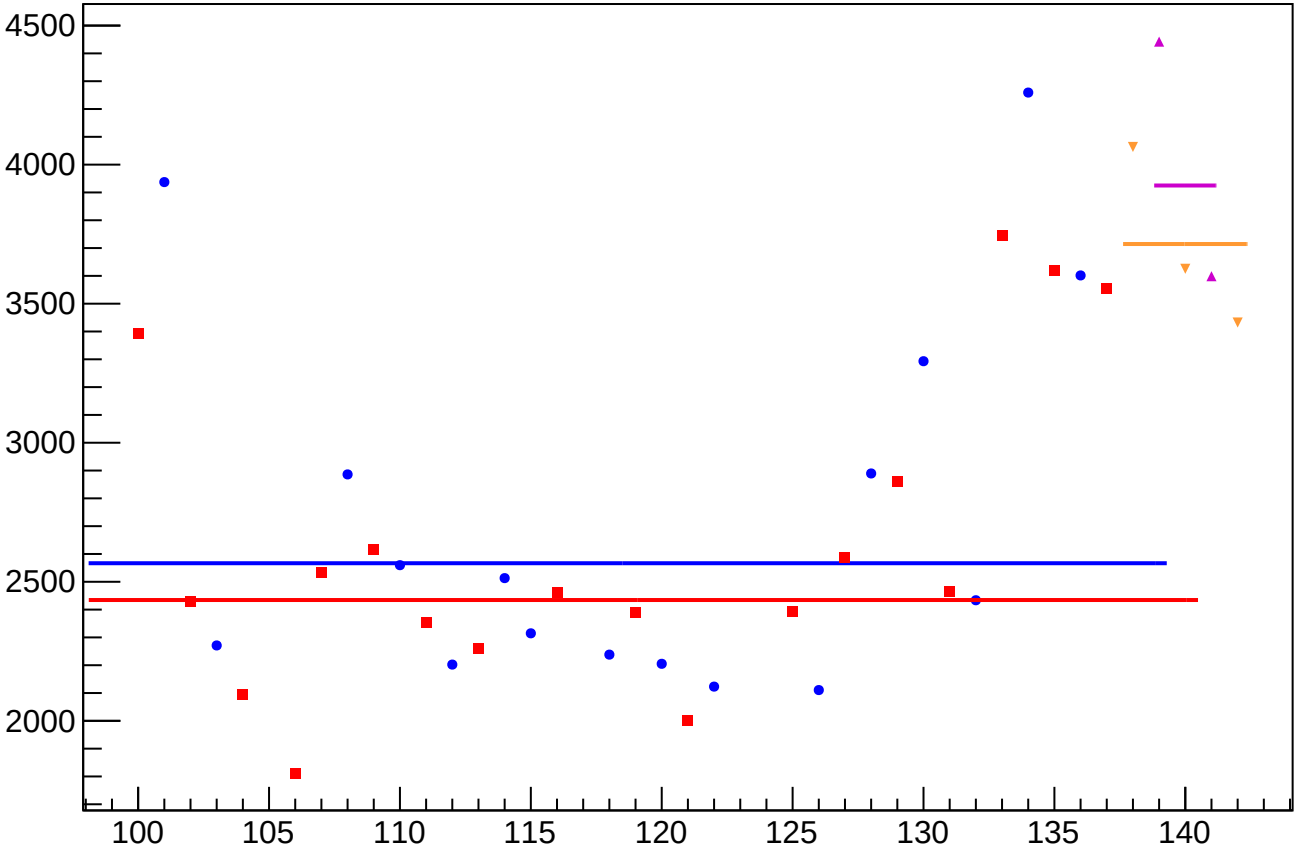
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 641.874+/-931.654 χ^2/NDF:14.8/17

Out: -401.623+/-869.303 χ^2/NDF:19.3/20

All: 84.042+/-635.590 χ^2/NDF: 34.8/38

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3714.536+/-1.843 χ^2/NDF:18228.7/2

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3924.949+/-2.127 χ^2/NDF:37314.3/1

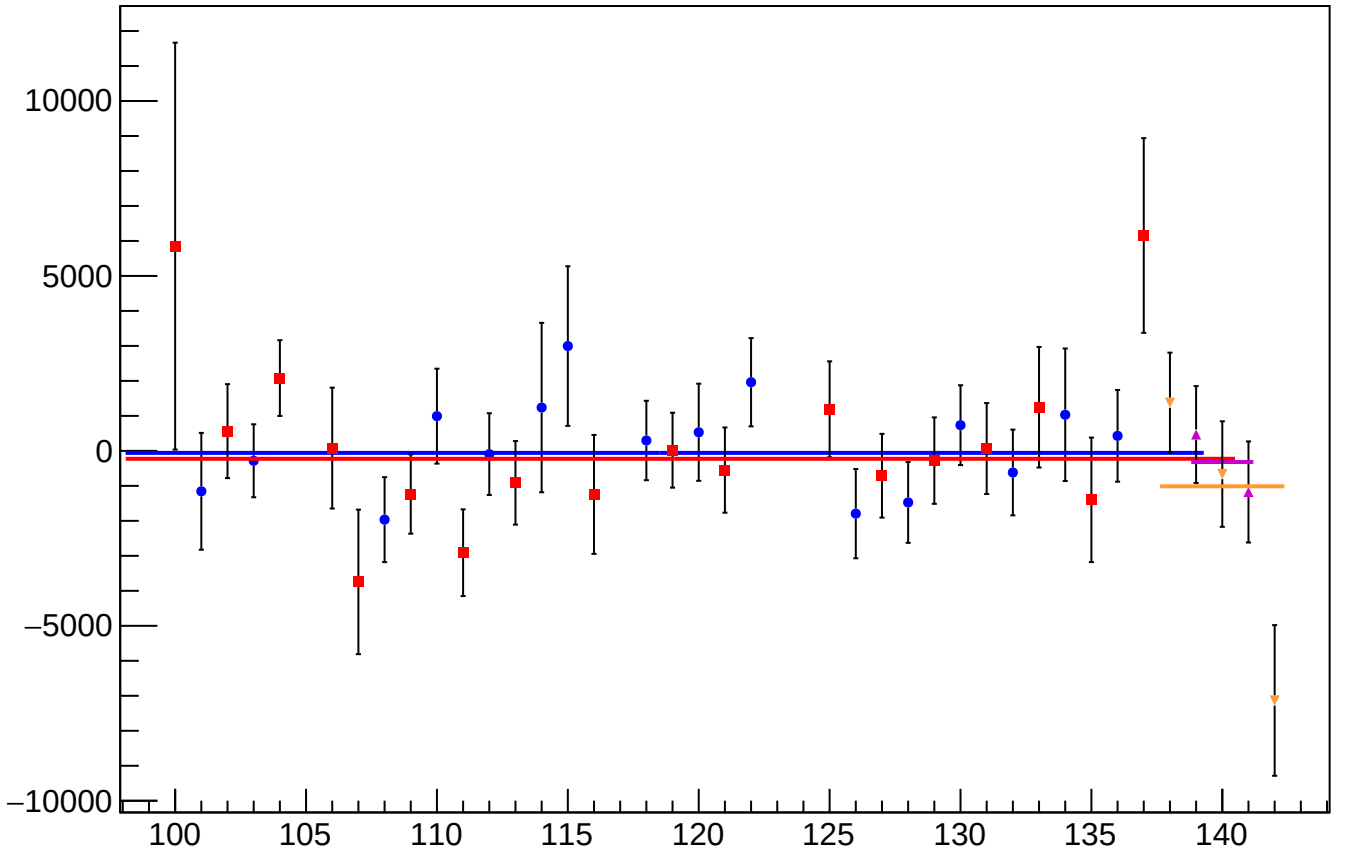
Left: 3804.776+/-1.393 χ^2/NDF: 61134.4/4

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2697.076+/-0.659 χ^2/NDF:1071964.0/17

Out: 2576.862+/-0.615 χ^2/NDF:881166.1/20

All: 2632.812+/-0.449 χ^2/NDF: 1970931.0/38



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1012.327+/-935.164 χ^2/NDF:10.9/2

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -318.081+/-999.569 χ^2/NDF:0.7/1

Left: -688.289+/-682.895 χ^2/NDF: 11.9/4

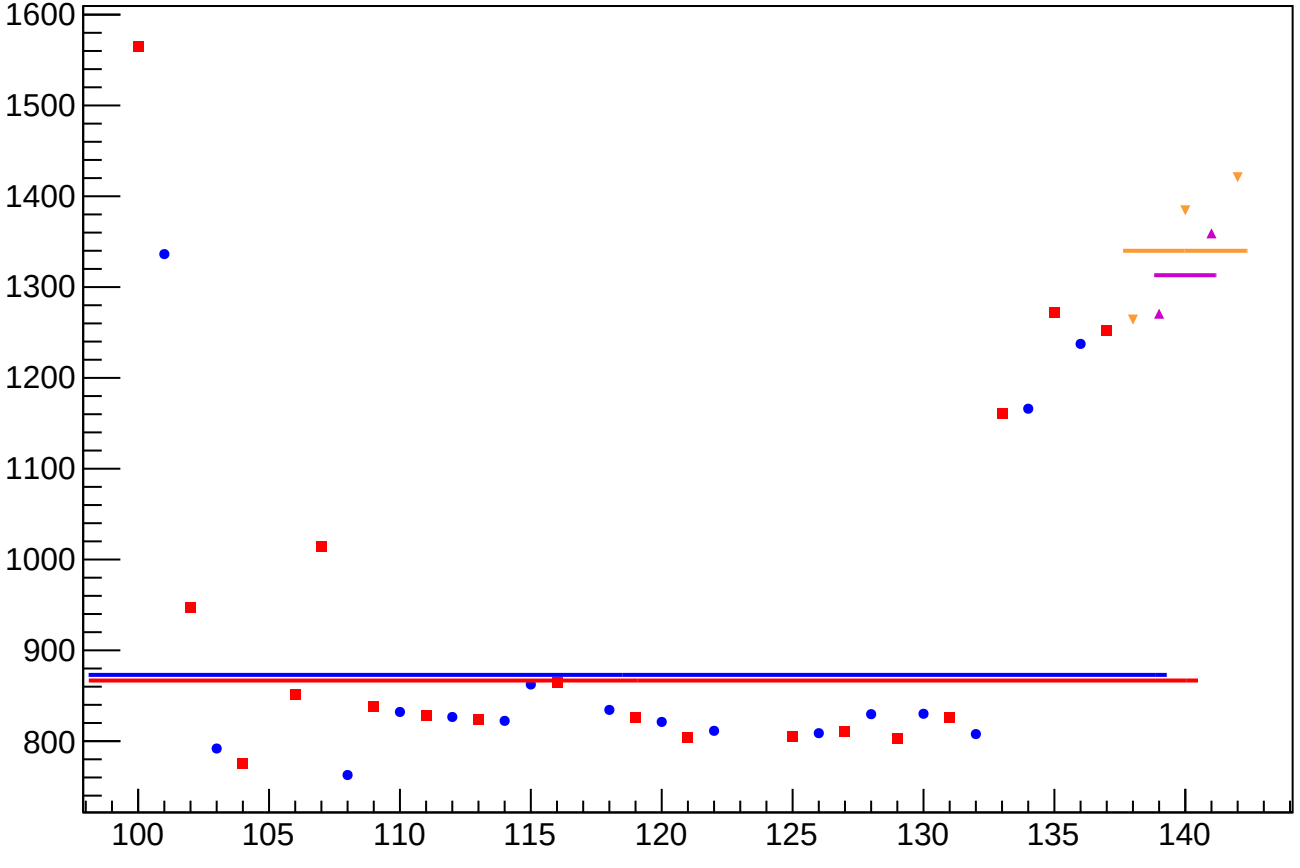
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -82.859+/-313.439 χ^2/NDF:13.7/17

Out: -312.235+/-309.572 χ^2/NDF:34.5/20

All: -198.971+/-220.255 χ^2/NDF: 48.5/38

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1339.983+/-0.661 χ^2/NDF:10180.7/2

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1313.081+/-0.707 χ^2/NDF:3911.4/1

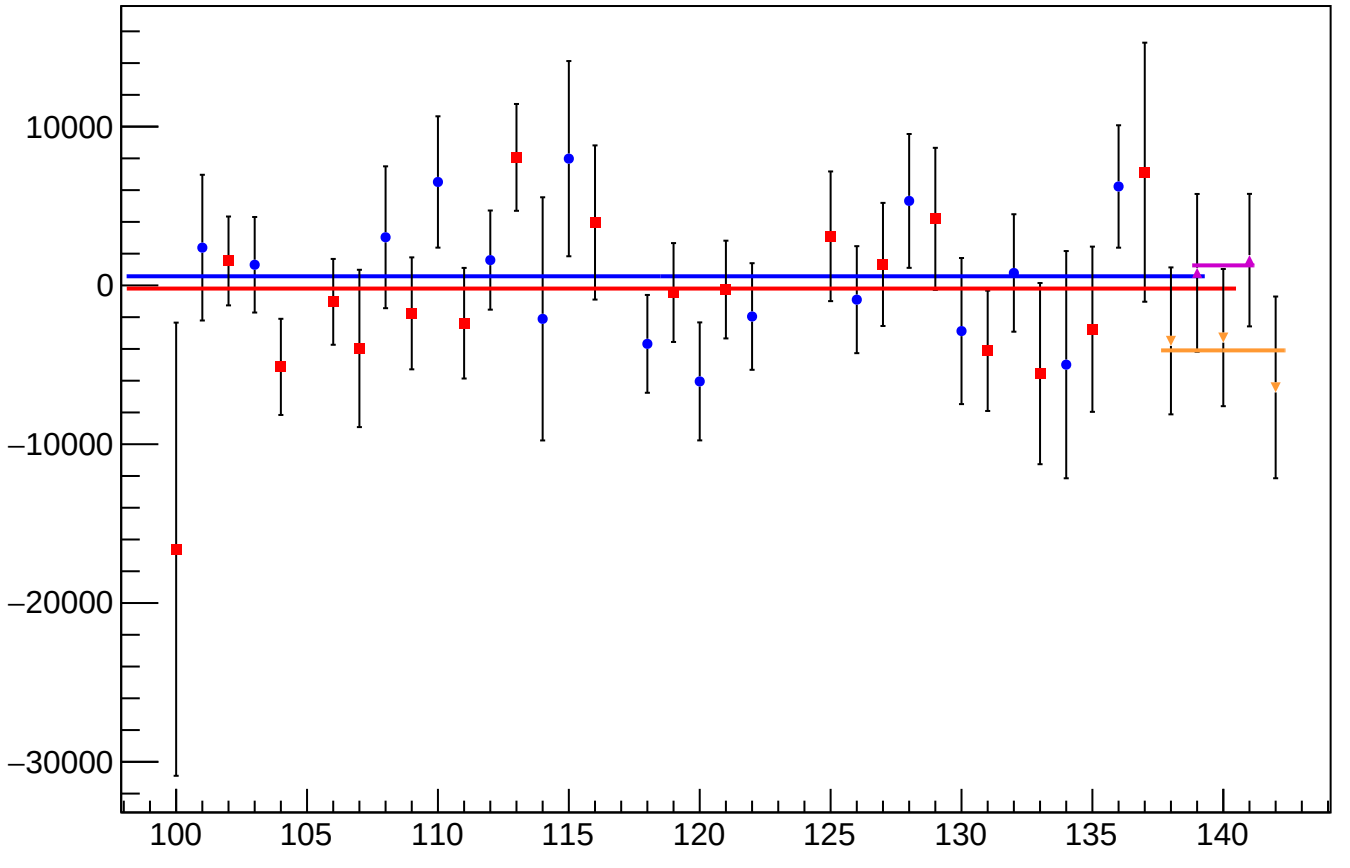
Left: 1327.427+/-0.483 χ^2/NDF: 14864.6/4

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 916.247+/-0.222 χ^2/NDF:770613.0/17

Out: 918.537+/-0.219 χ^2/NDF:756658.4/20

All: 917.407+/-0.156 χ^2/NDF: 1527325.5/38



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -4091.382+/-2764.309 χ^2/NDF:0.2/2

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: 1261.607+/-3194.469 χ^2/NDF:0.0/1

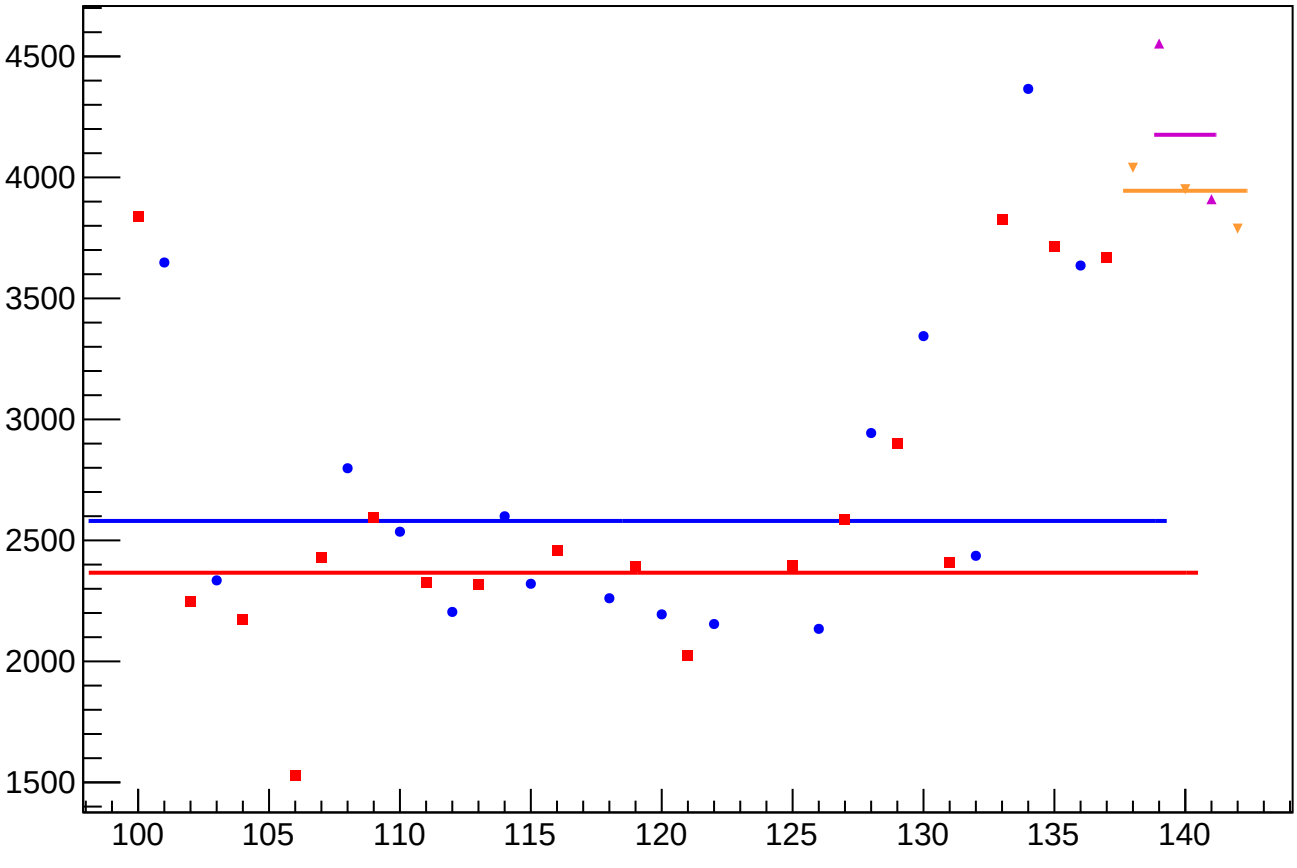
Left: -1799.313+/-2090.328 χ^2/NDF: 1.8/4

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 634.848+/-941.172 χ^2/NDF:14.8/17

Out: -566.709+/-850.726 χ^2/NDF:19.2/20

All: -26.425+/-631.114 χ^2/NDF: 34.8/38



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3944.805+/-1.955 χ^2/NDF:2345.2/2

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4176.145+/-2.259 χ^2/NDF:19674.0/1

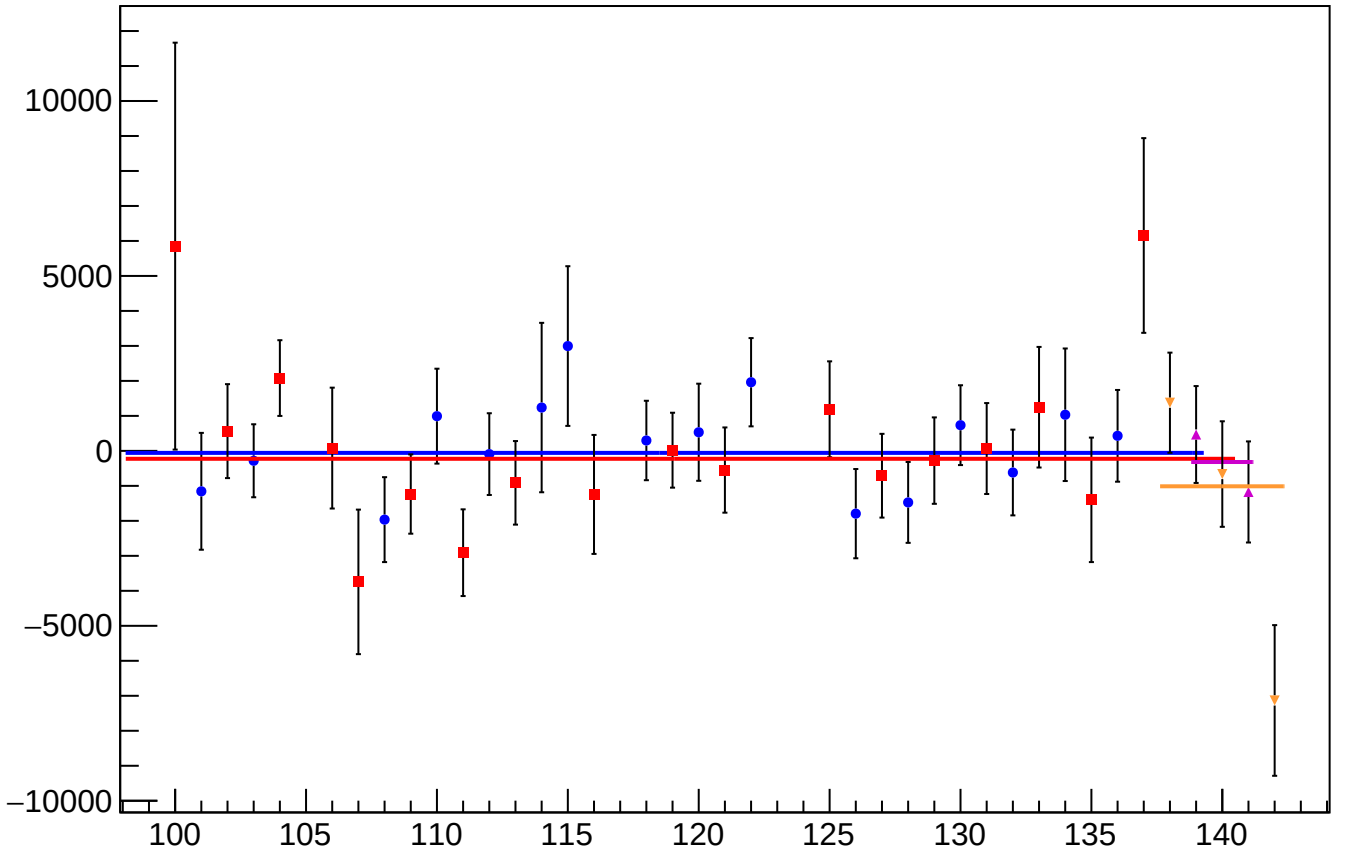
Left: 4043.861+/-1.478 χ^2/NDF: 28017.0/4

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2718.896+/-0.666 χ^2/NDF:1092589.8/17

Out: 2515.905+/-0.602 χ^2/NDF:1204341.1/20

All: 2607.181+/-0.446 χ^2/NDF: 2348132.1/38



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1012.338+/-935.164 χ^2/NDF:10.9/2

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -318.079+/-999.570 χ^2/NDF:0.7/1

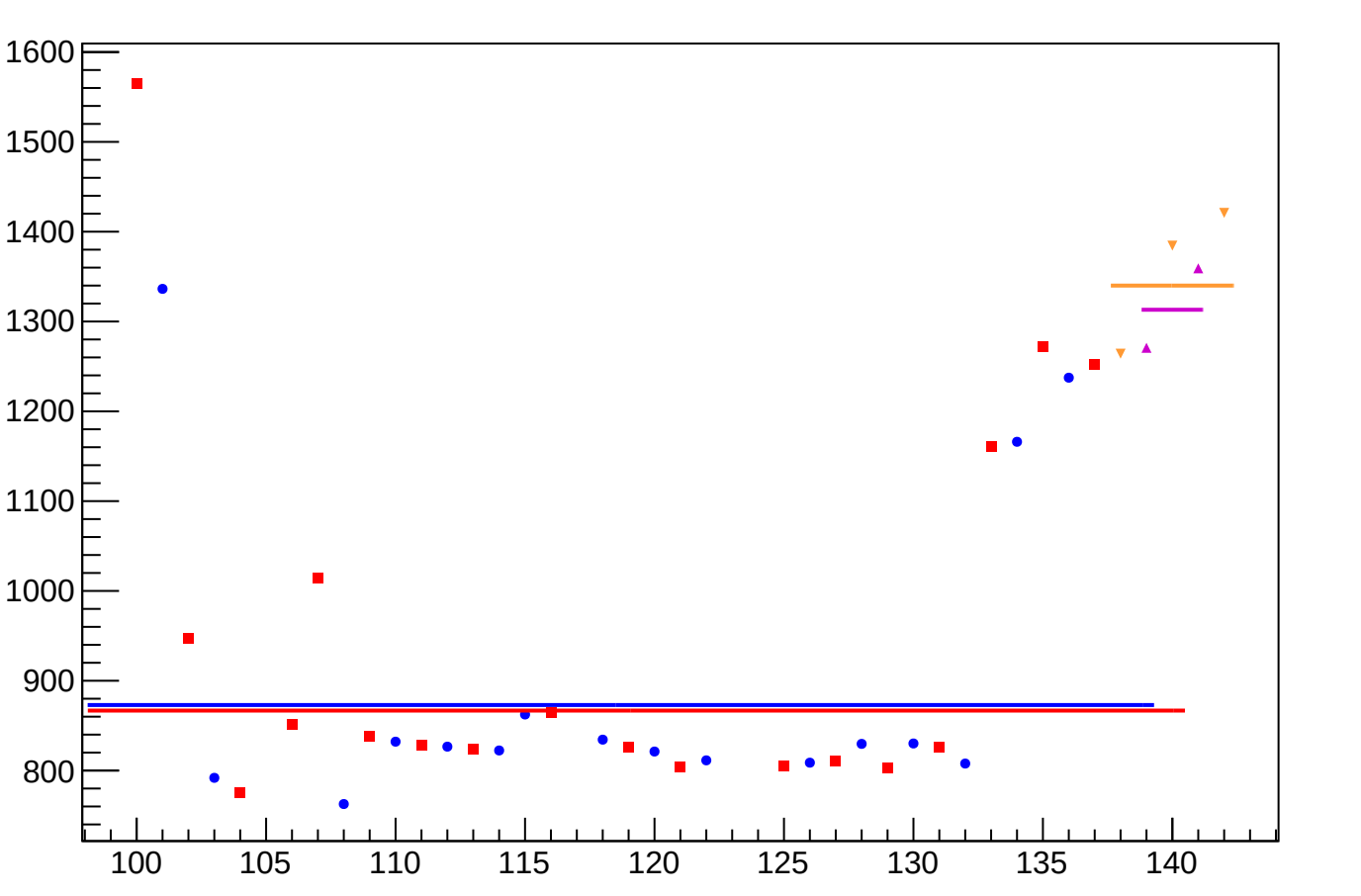
Left: -688.294+/-682.896 χ^2/NDF: 11.9/4

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -82.862+/-313.439 χ^2/NDF:13.7/17

Out: -312.239+/-309.572 χ^2/NDF:34.5/20

All: -198.974+/-220.255 χ^2/NDF: 48.5/38



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1339.984+/-0.661 χ^2/NDF:10181.0/2

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: 1327.428+/-0.483 χ^2/NDF: 14864.9/4

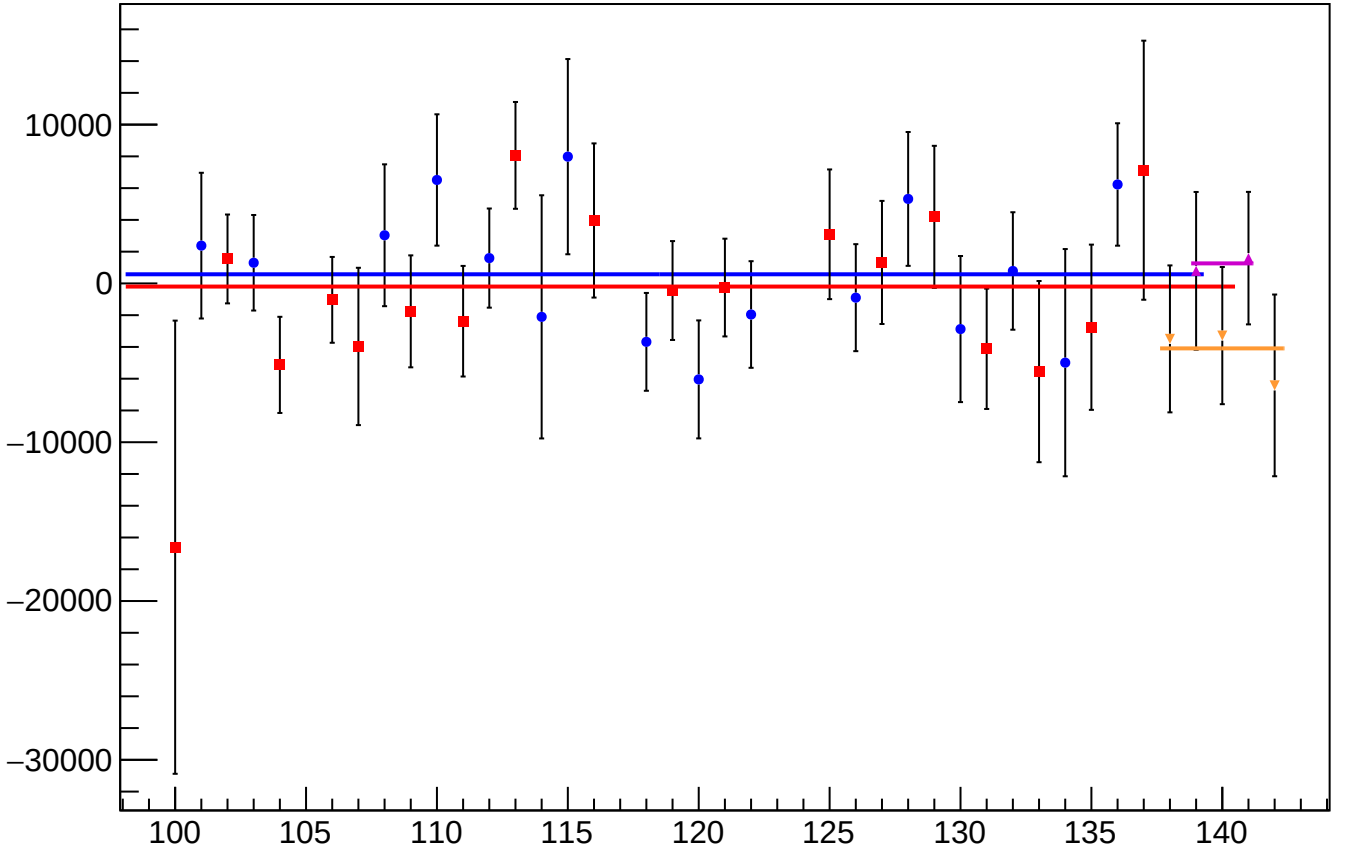
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 916.247+/-0.222 χ^2/NDF:770614.1/17

Out: 918.537+/-0.219 χ^2/NDF:756660.2/20

All: 917.407+/-0.156 χ^2/NDF: 1527328.4/38

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -4091.402+/-2764.318 χ^2/NDF:0.2/2

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 1261.609+/-3194.477 χ^2/NDF:0.0/1

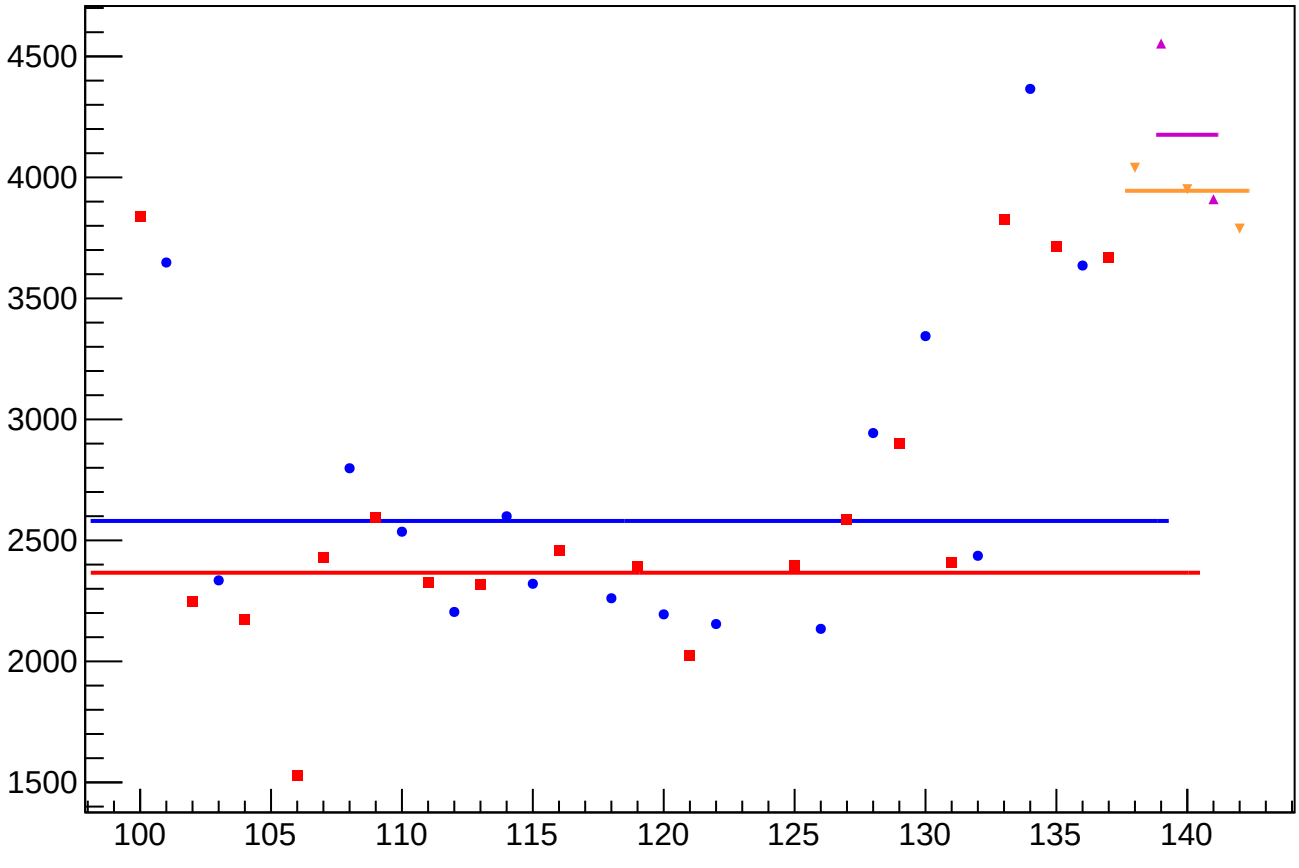
Left: -1799.322+/-2090.334 χ^2/NDF: 1.8/4

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 634.843+/-941.169 χ^2/NDF:14.8/17

Out: -566.708+/-850.724 χ^2/NDF:19.2/20

All: -26.426+/-631.113 χ^2/NDF: 34.8/38



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3944.816+/-1.955 χ^2/NDF:2345.2/2

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4176.154+/-2.259 χ^2/NDF:19674.7/1

Left: 4043.872+/-1.478 χ^2/NDF: 28017.6/4

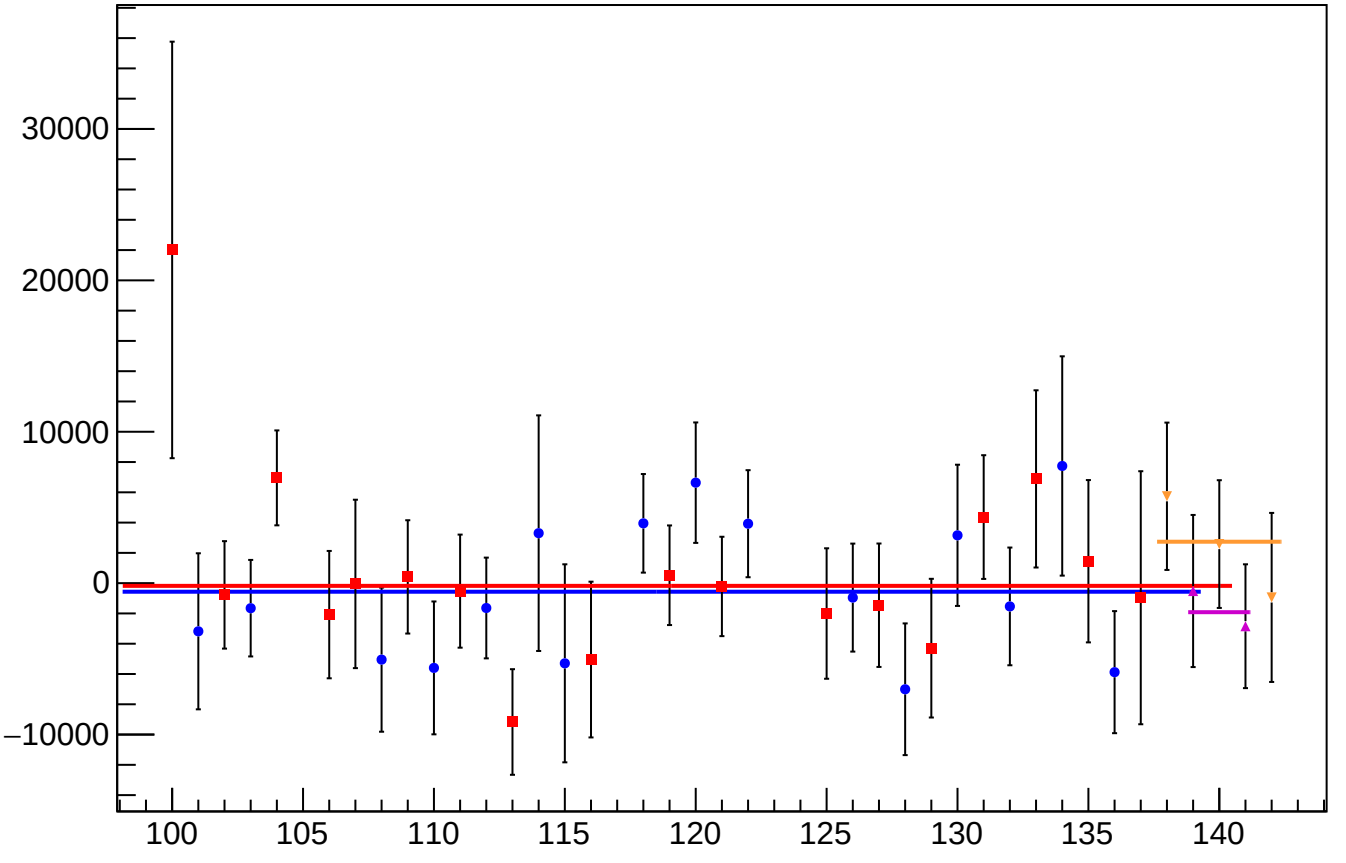
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2718.888+/-0.666 χ^2/NDF:1092606.3/17

Out: 2515.899+/-0.602 χ^2/NDF:1204355.7/20

All: 2607.173+/-0.446 χ^2/NDF: 2348162.7/38

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2736.747+/-2767.981 χ^2/NDF:0.8/2

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -1917.423+/-3171.590 χ^2/NDF:0.1/1

Left: 724.471+/-2085.449 χ^2/NDF: 2.2/4

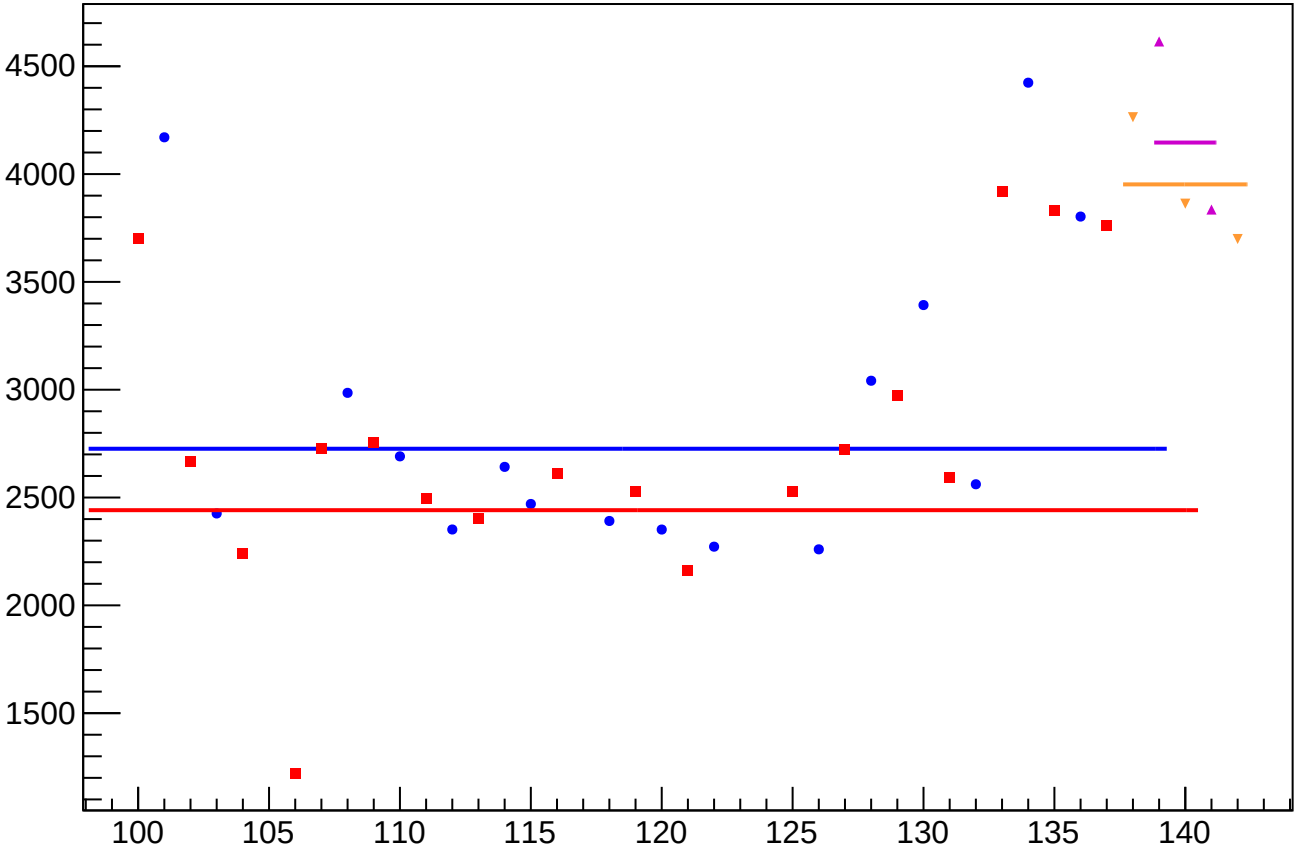
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -697.363+/-988.495 χ^2/NDF:16.5/17

Out: 151.101+/-930.829 χ^2/NDF:21.3/20

All: -247.662+/-677.665 χ^2/NDF: 38.2/38

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3952.189+/-1.957 χ^2/NDF:13214.6/2

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4146.221+/-2.243 χ^2/NDF:28962.0/1

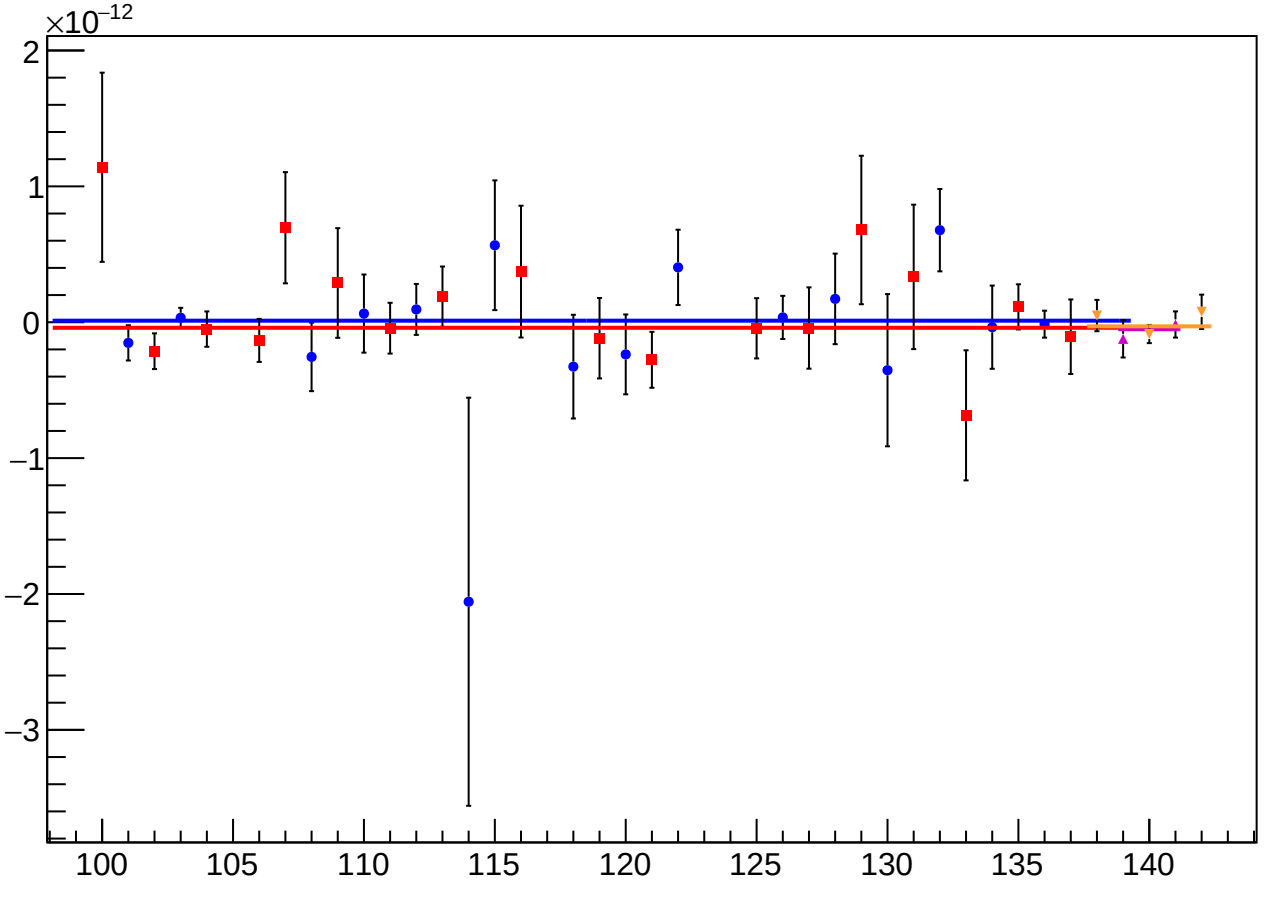
Left: 4036.081+/-1.475 χ^2/NDF: 46425.7/4

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2864.168+/-0.699 χ^2/NDF:1014007.3/17

Out: 2598.539+/-0.631 χ^2/NDF:1438204.3/20

All: 2717.875+/-0.468 χ^2/NDF: 2531750.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

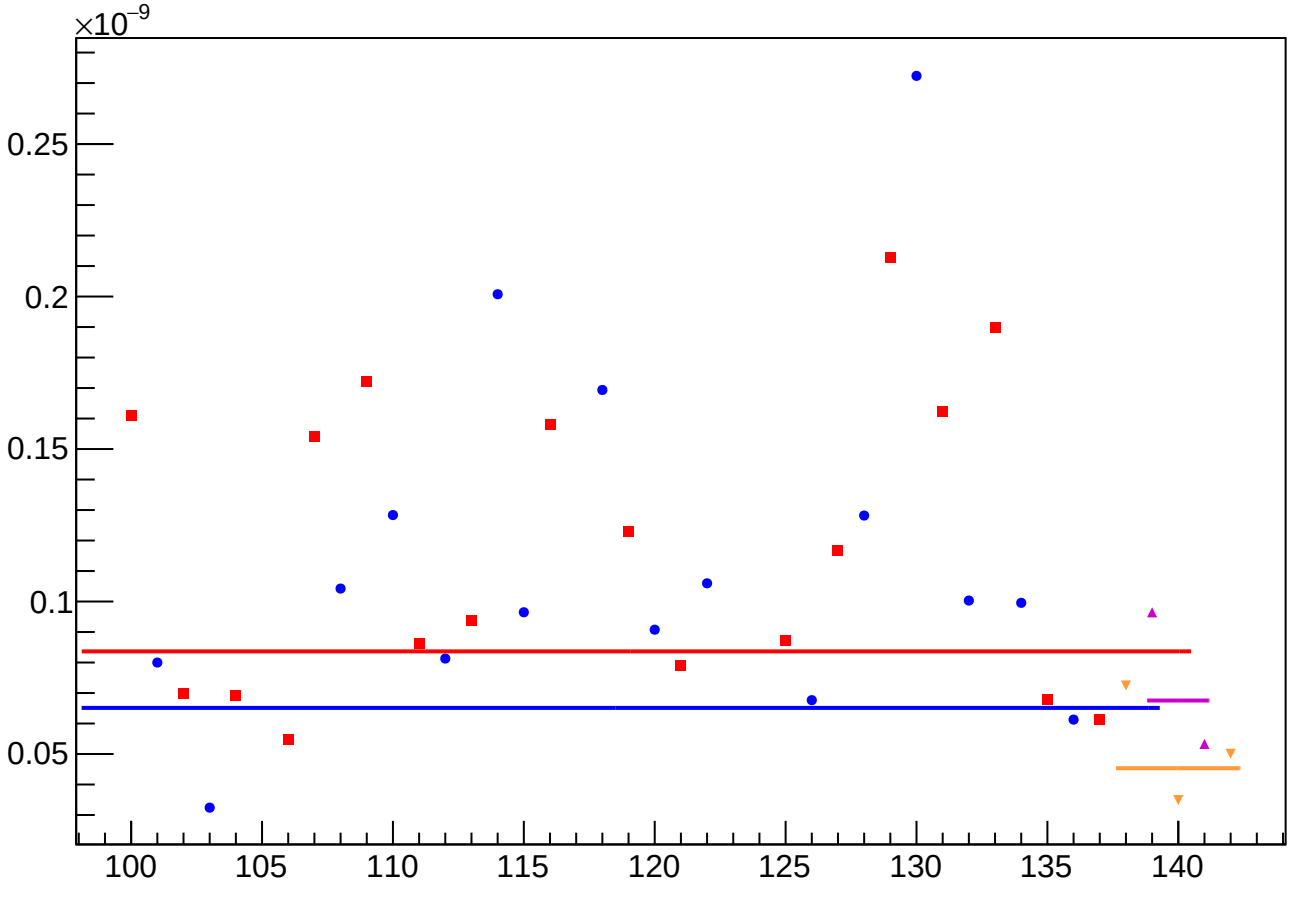
Left: -0.000+/-0.000 χ^2/NDF: 2.4/4

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:18.9/20

All: -0.000+/-0.000 χ^2/NDF: 35.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:162386.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:132148.1/1

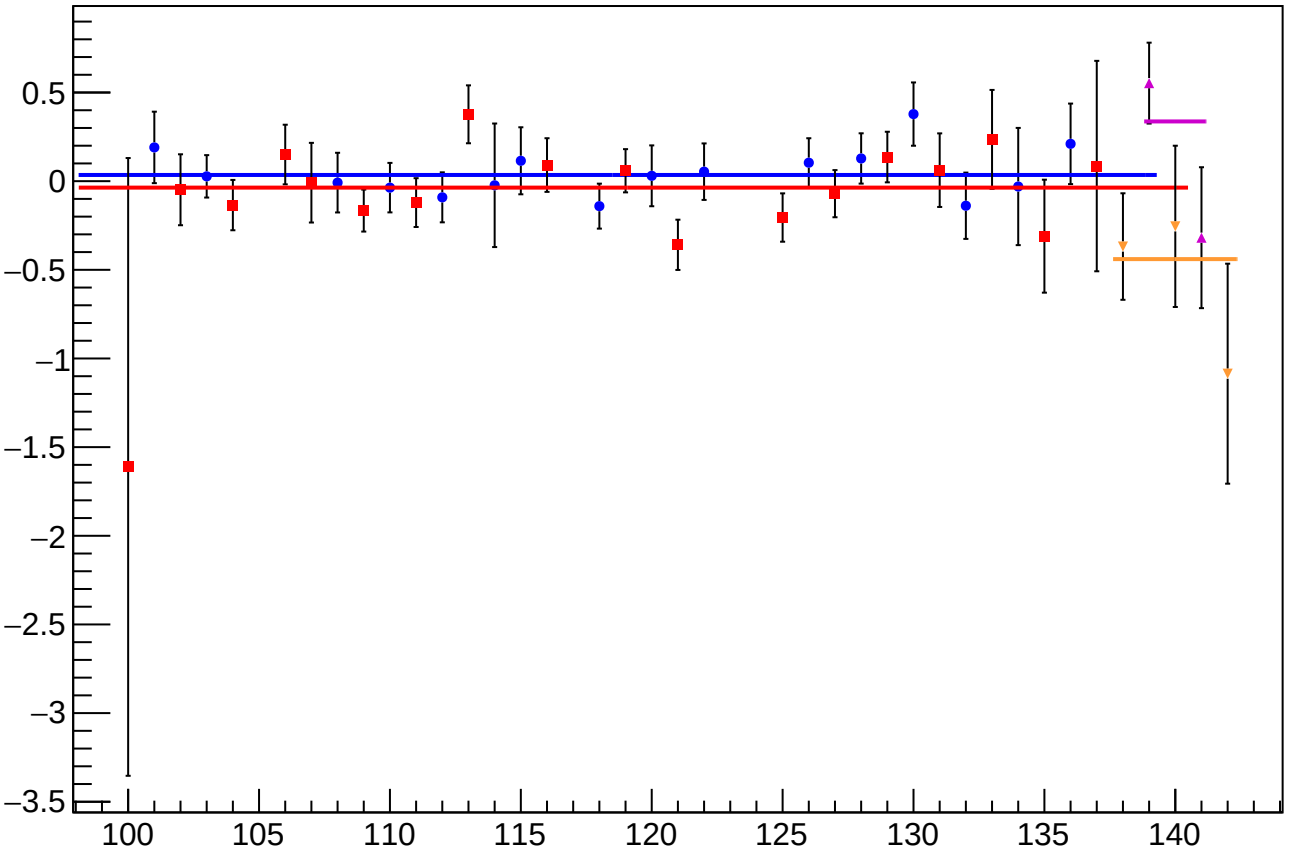
Left: 0.000+/-0.000 χ^2/NDF: 404200.5/4

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:1377254.7/20

All: 0.000+/-0.000 χ^2/NDF: 2734942.9/38



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.337+/-0.198 χ^2/NDF:3.6/1

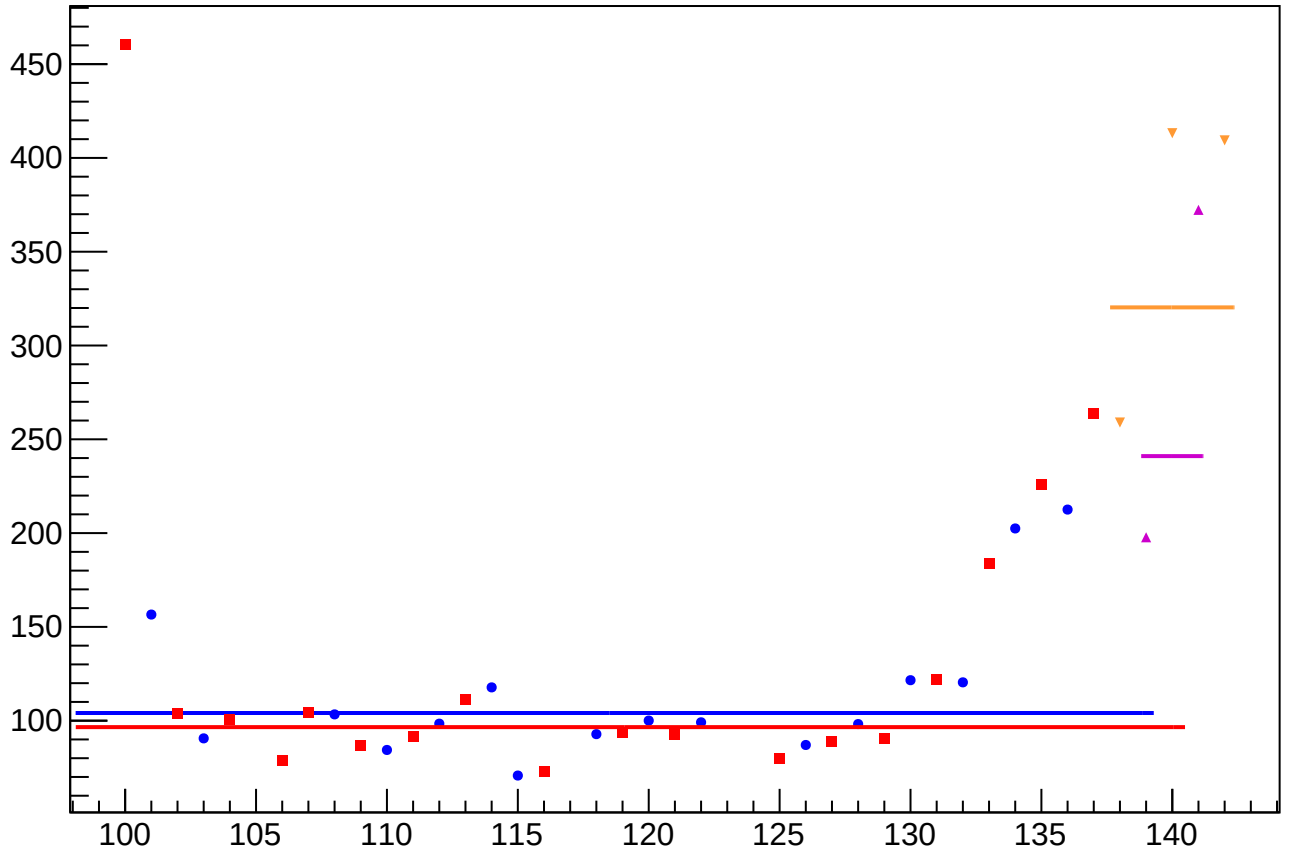
Left: 0.011+/-0.151 χ^2/NDF: 11.4/4

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.002+/-0.028 χ^2/NDF: 44.8/38



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 320.322+/-0.164 χ^2/NDF:208087.4/2

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 241.042+/-0.140 χ^2/NDF:290247.1/1

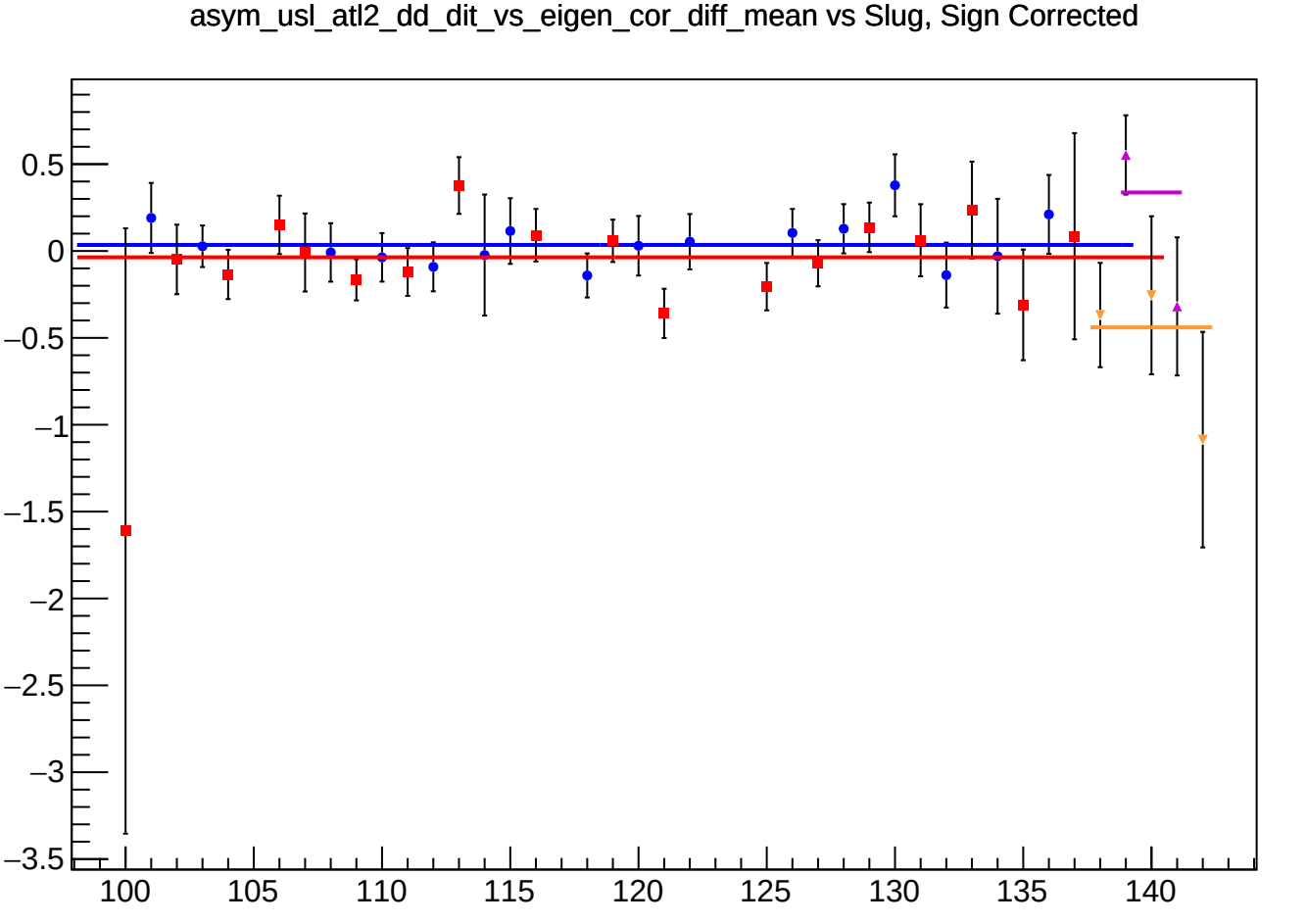
Left: 274.357+/-0.107 χ^2/NDF: 633304.7/4

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 109.747+/-0.028 χ^2/NDF:2198927.0/17

Out: 102.668+/-0.027 χ^2/NDF:2967410.3/20

All: 106.045+/-0.020 χ^2/NDF: 5198809.0/38



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

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: 0.011+/-0.151 χ^2/NDF: 11.4/4

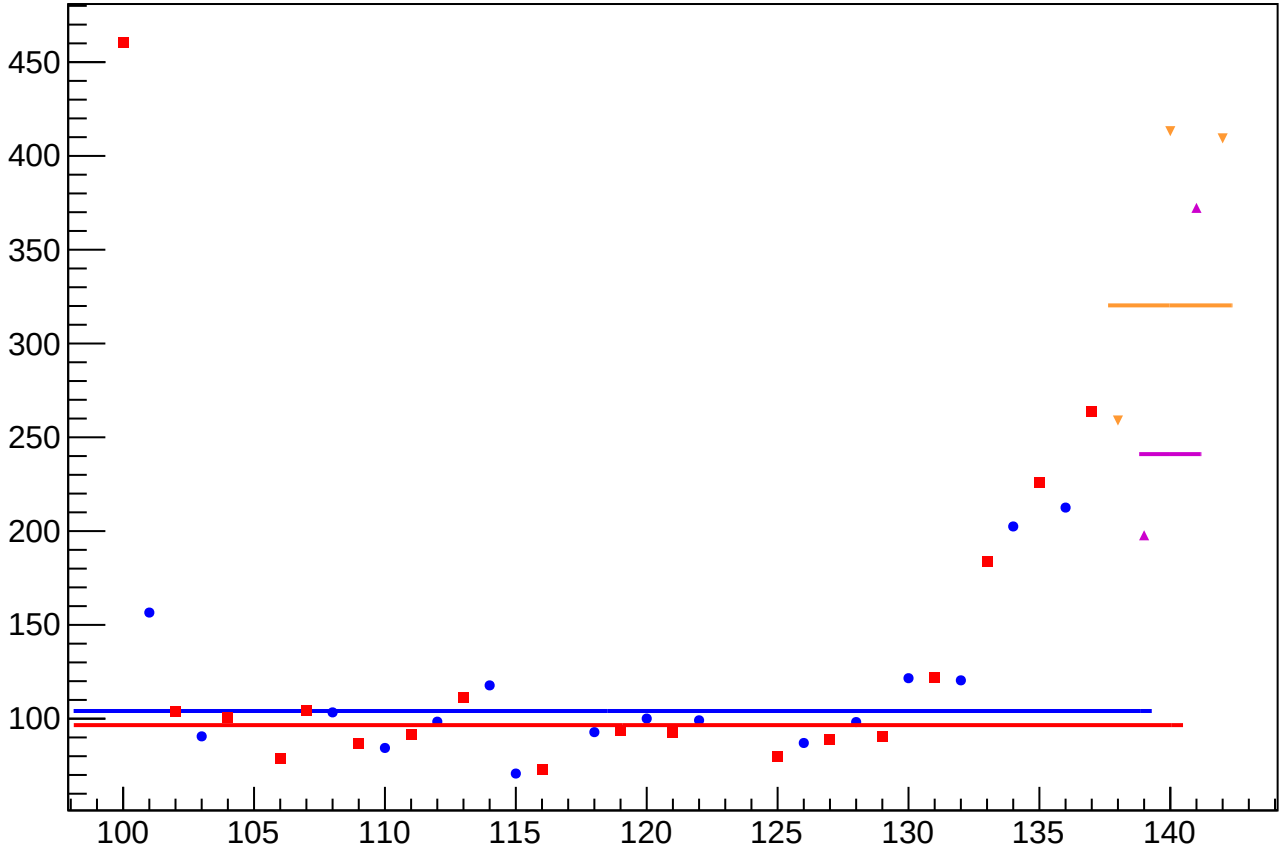
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.002+/-0.028 χ^2/NDF: 44.8/38

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: 320.322+/-0.164 χ^2/NDF:208087.4/2

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 241.042+/-0.140 χ^2/NDF:290247.1/1

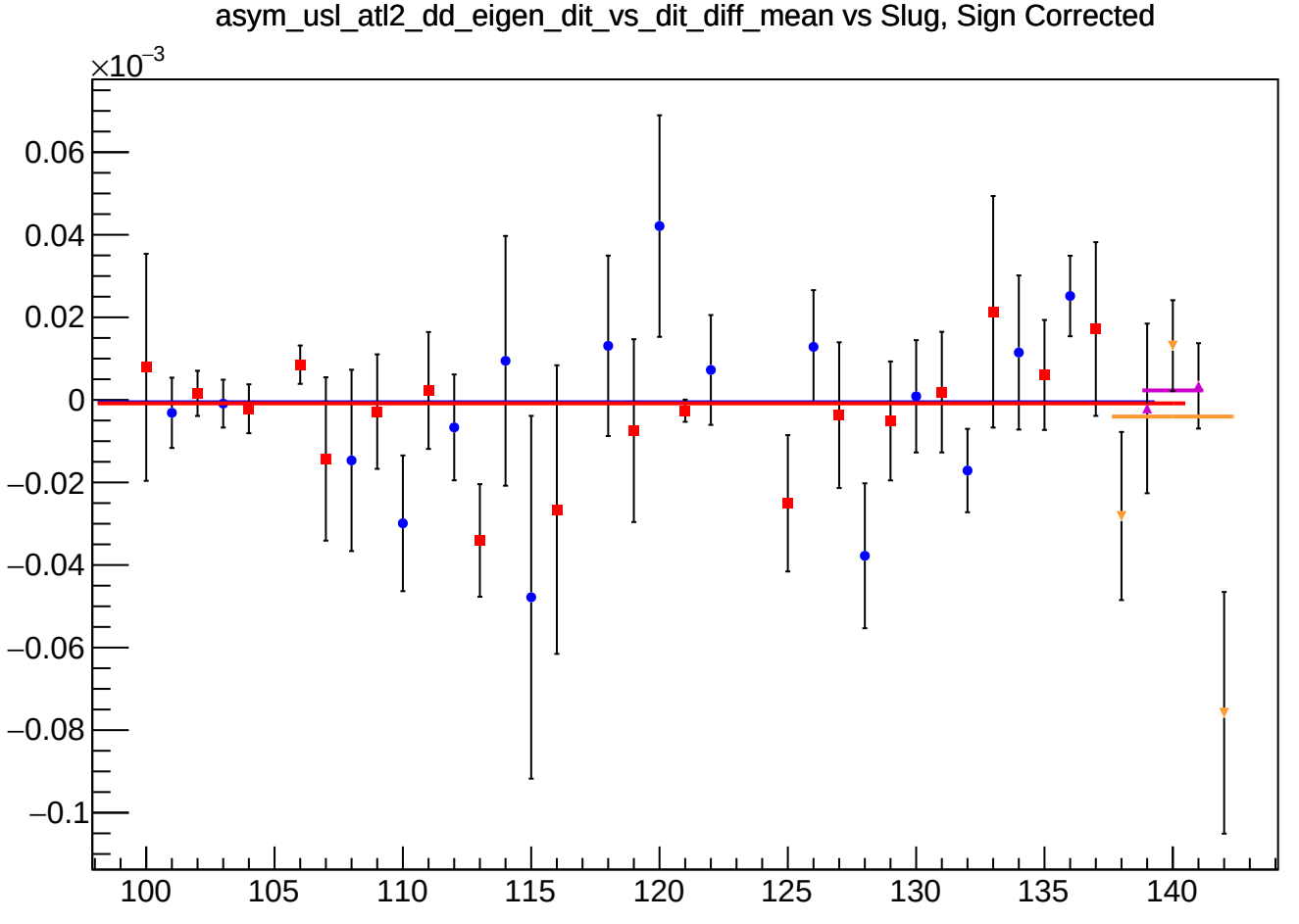
Left: 274.357+/-0.107 χ^2/NDF: 633304.7/4

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 109.747+/-0.028 χ^2/NDF:2198927.0/17

Out: 102.668+/-0.027 χ^2/NDF:2967410.3/20

All: 106.045+/-0.020 χ^2/NDF: 5198809.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/2

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

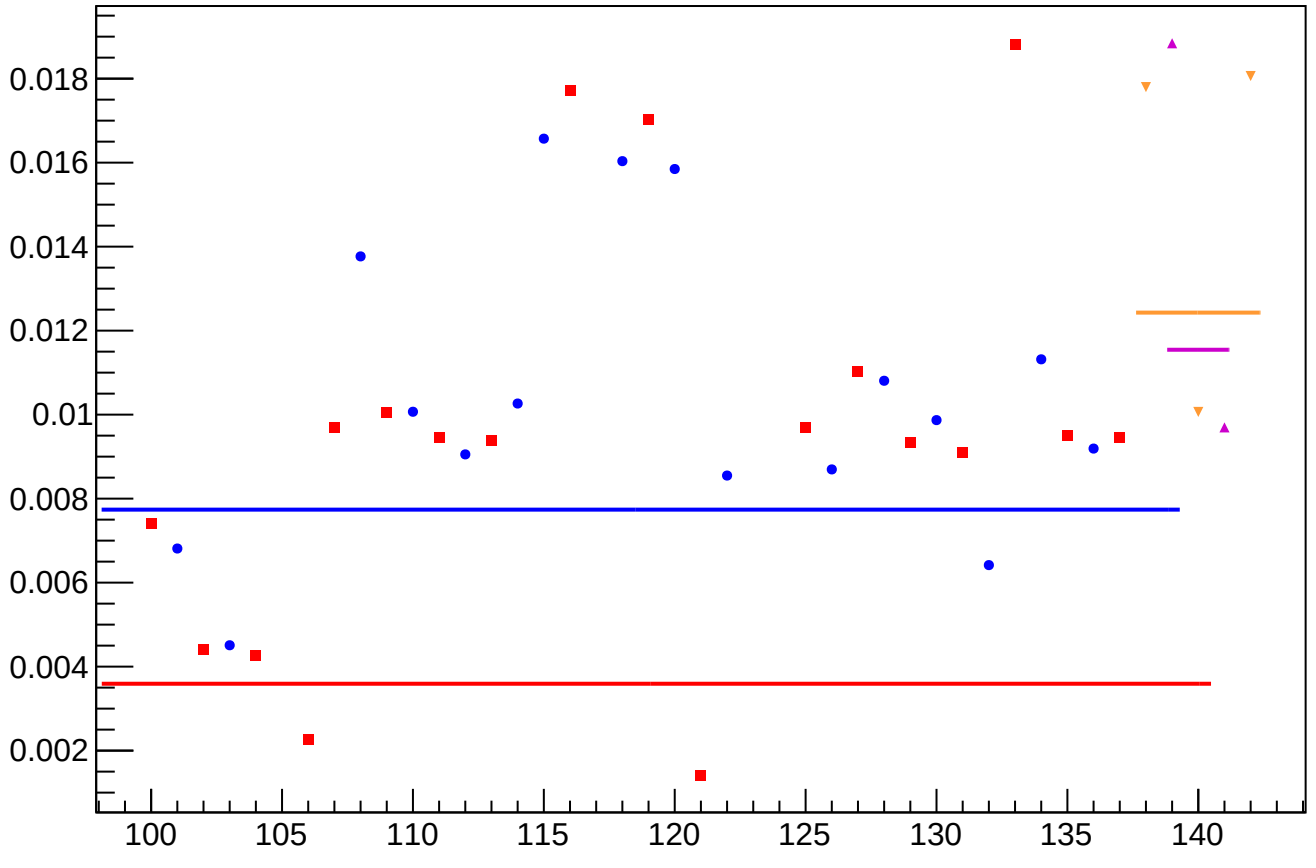
Left: -0.000+/-0.000 χ^2/NDF: 10.1/4

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:25.8/20

All: -0.000+/-0.000 χ^2/NDF: 50.0/38



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:305485.7/2

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.012+/-0.000 χ^2/NDF:316237.6/1

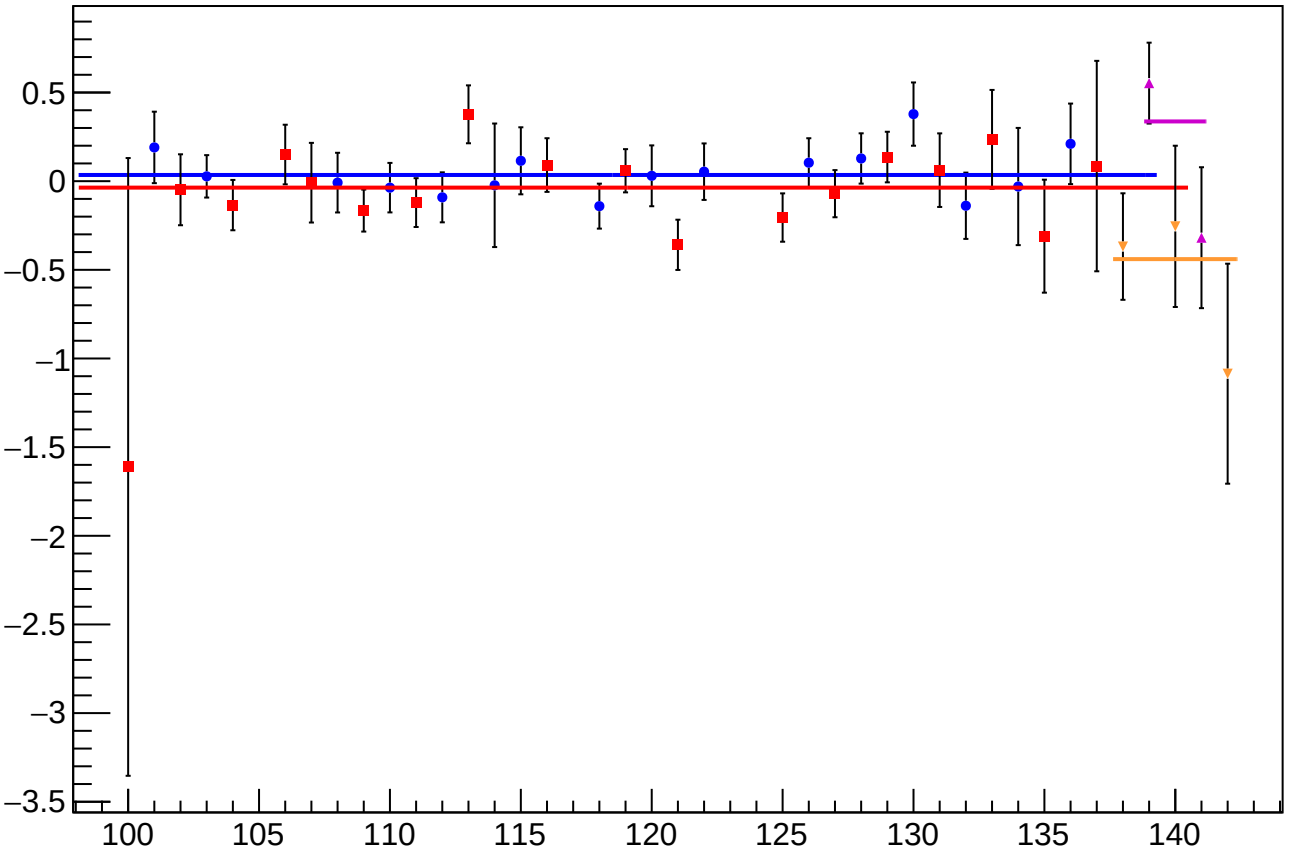
Left: 0.012+/-0.000 χ^2/NDF: 630937.6/4

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:8447341.3/20

All: 0.005+/-0.000 χ^2/NDF: 13710589.9/38



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.440+/-0.232 χ^2/NDF:1.3/2

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: 0.011+/-0.151 χ^2/NDF: 11.4/4

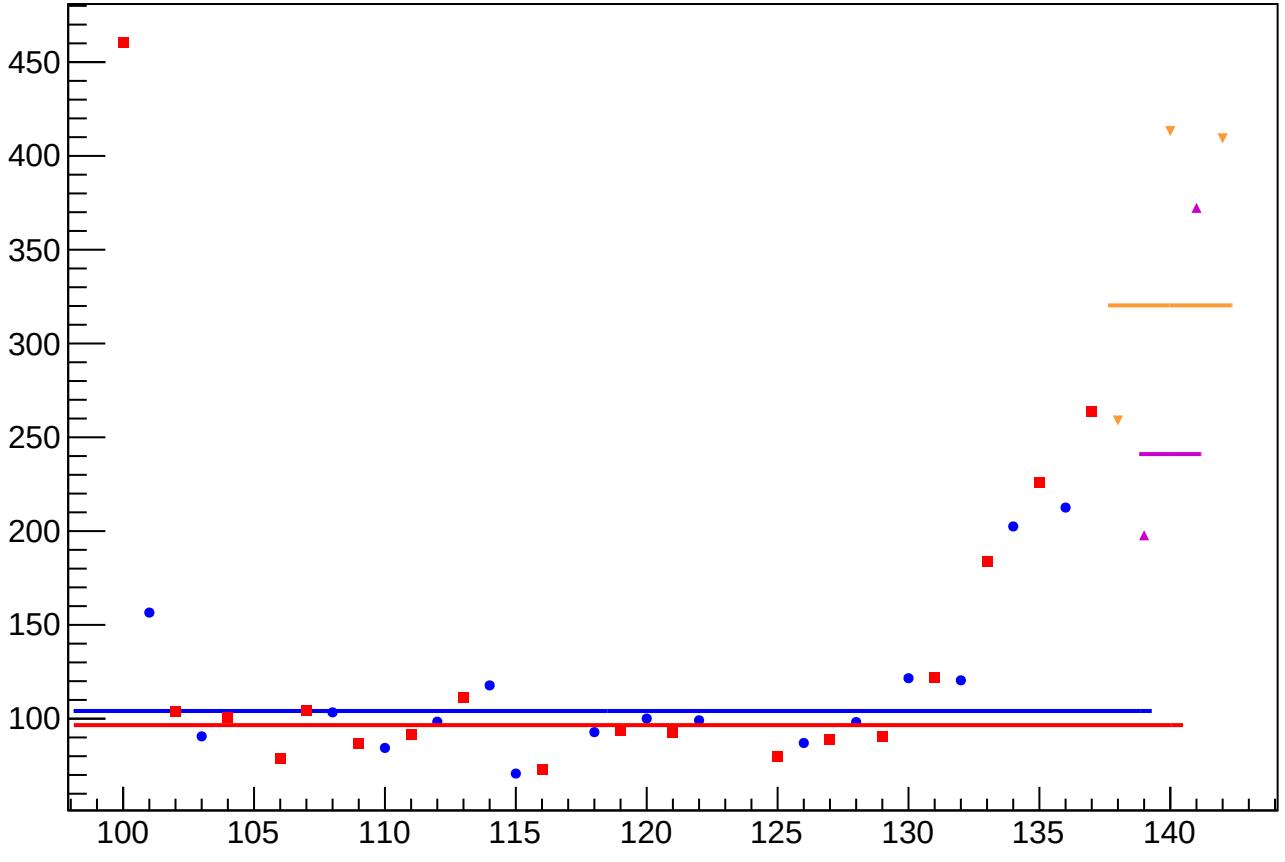
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.002+/-0.028 χ^2/NDF: 44.8/38

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: 320.325+/-0.164 χ^2/NDF:208097.0/2

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: 274.362+/-0.107 χ^2/NDF: 633287.4/4

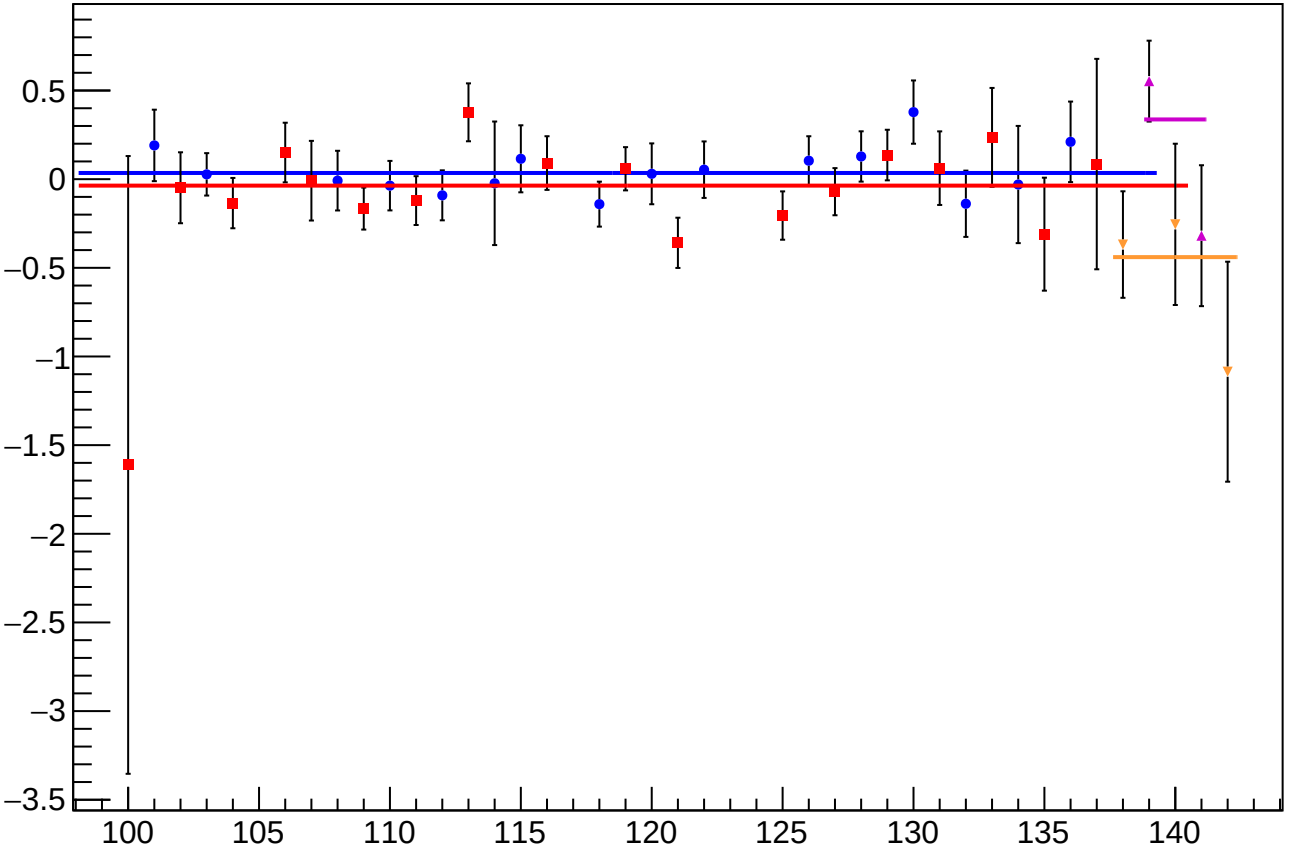
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 109.748+/-0.028 χ^2/NDF:2198897.7/17

Out: 102.670+/-0.027 χ^2/NDF:2967343.8/20

All: 106.046+/-0.020 χ^2/NDF: 5198708.5/38

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: -0.440+/-0.232 χ^2/NDF:1.3/2

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: 0.011+/-0.151 χ^2/NDF: 11.4/4

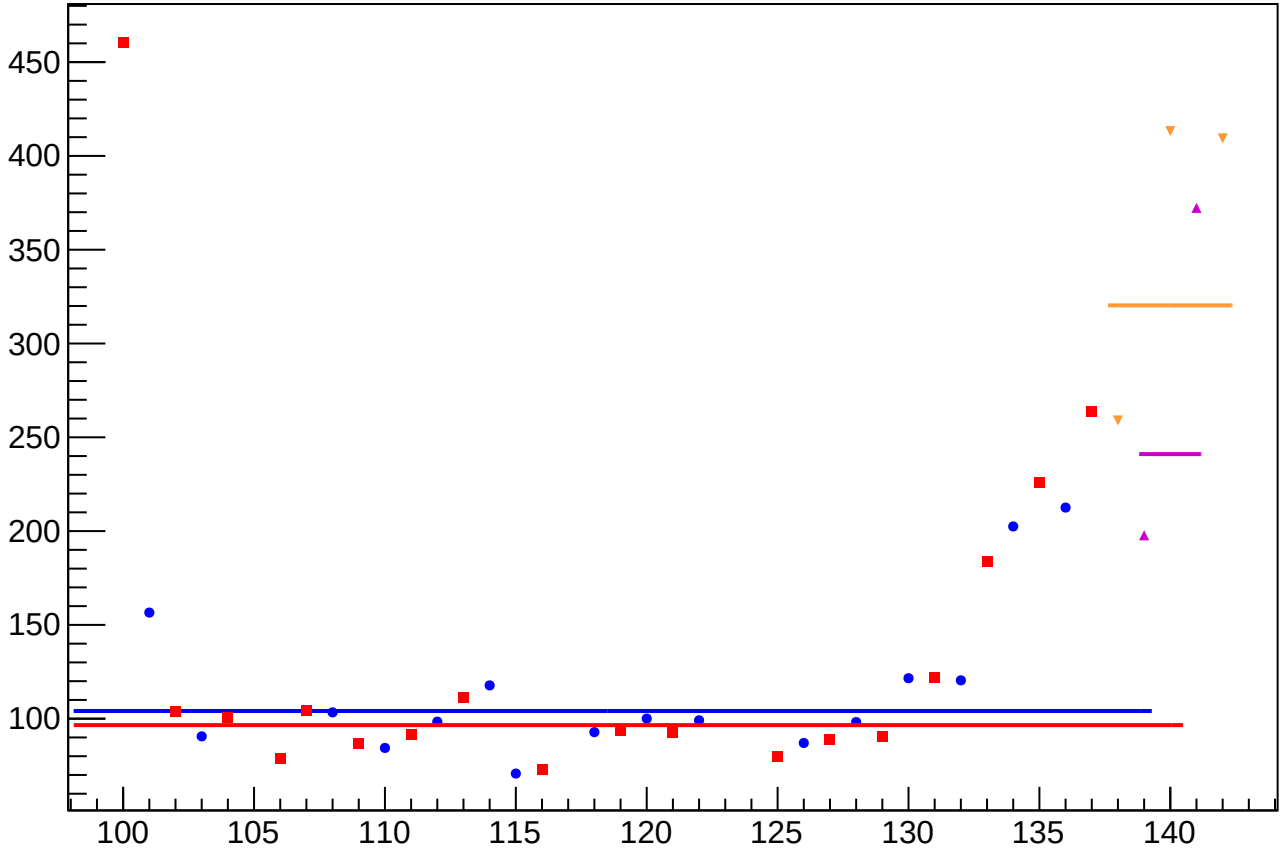
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.040 χ^2/NDF:15.6/17

Out: -0.047+/-0.038 χ^2/NDF:26.3/20

All: -0.002+/-0.028 χ^2/NDF: 44.8/38

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: 320.325+/-0.164 χ^2/NDF:208097.0/2

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: 274.362+/-0.107 χ^2/NDF: 633287.4/4

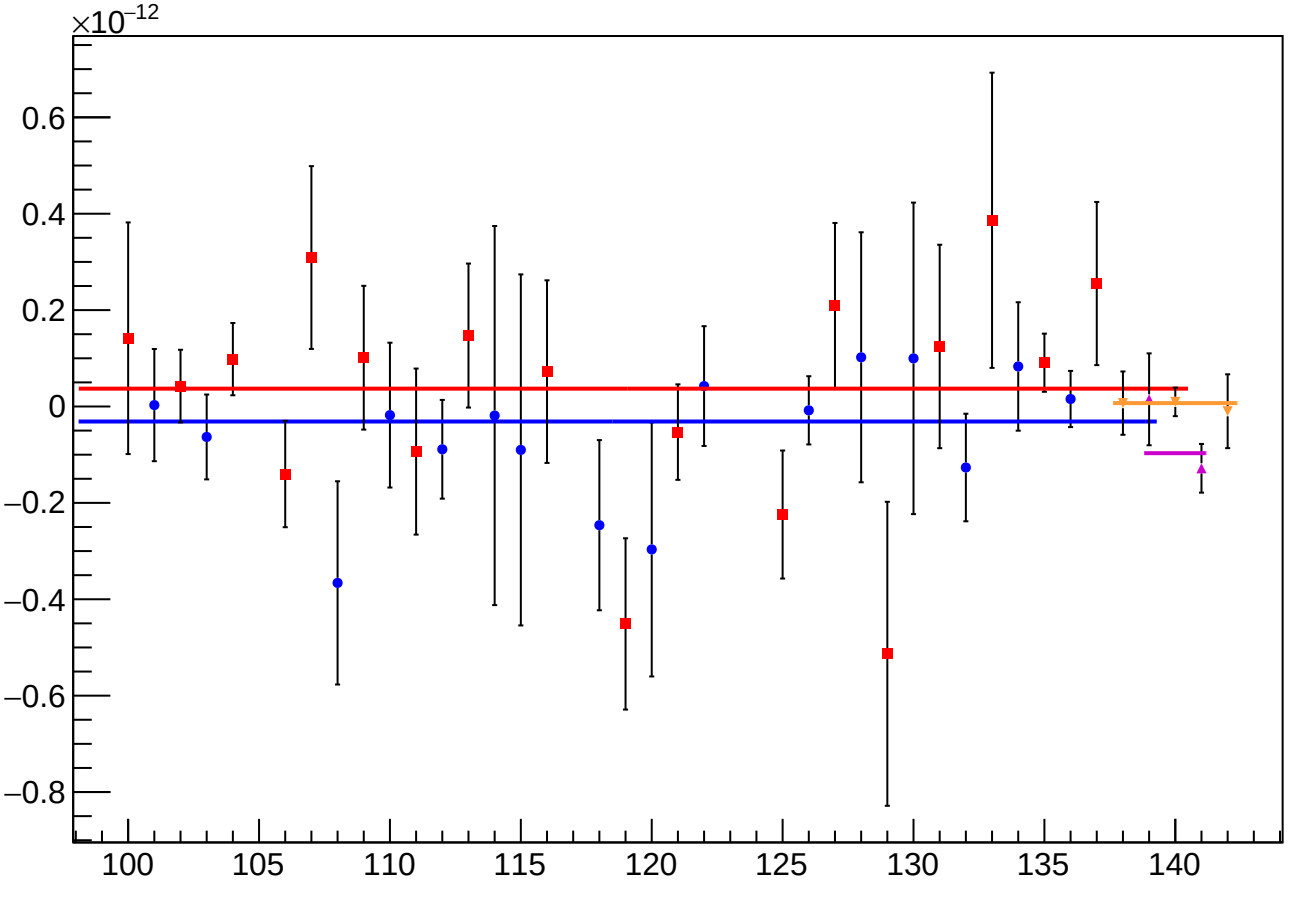
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 109.748+/-0.028 χ^2/NDF:2198897.7/17

Out: 102.670+/-0.027 χ^2/NDF:2967343.8/20

All: 106.046+/-0.020 χ^2/NDF: 5198708.5/38

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:1.8/1

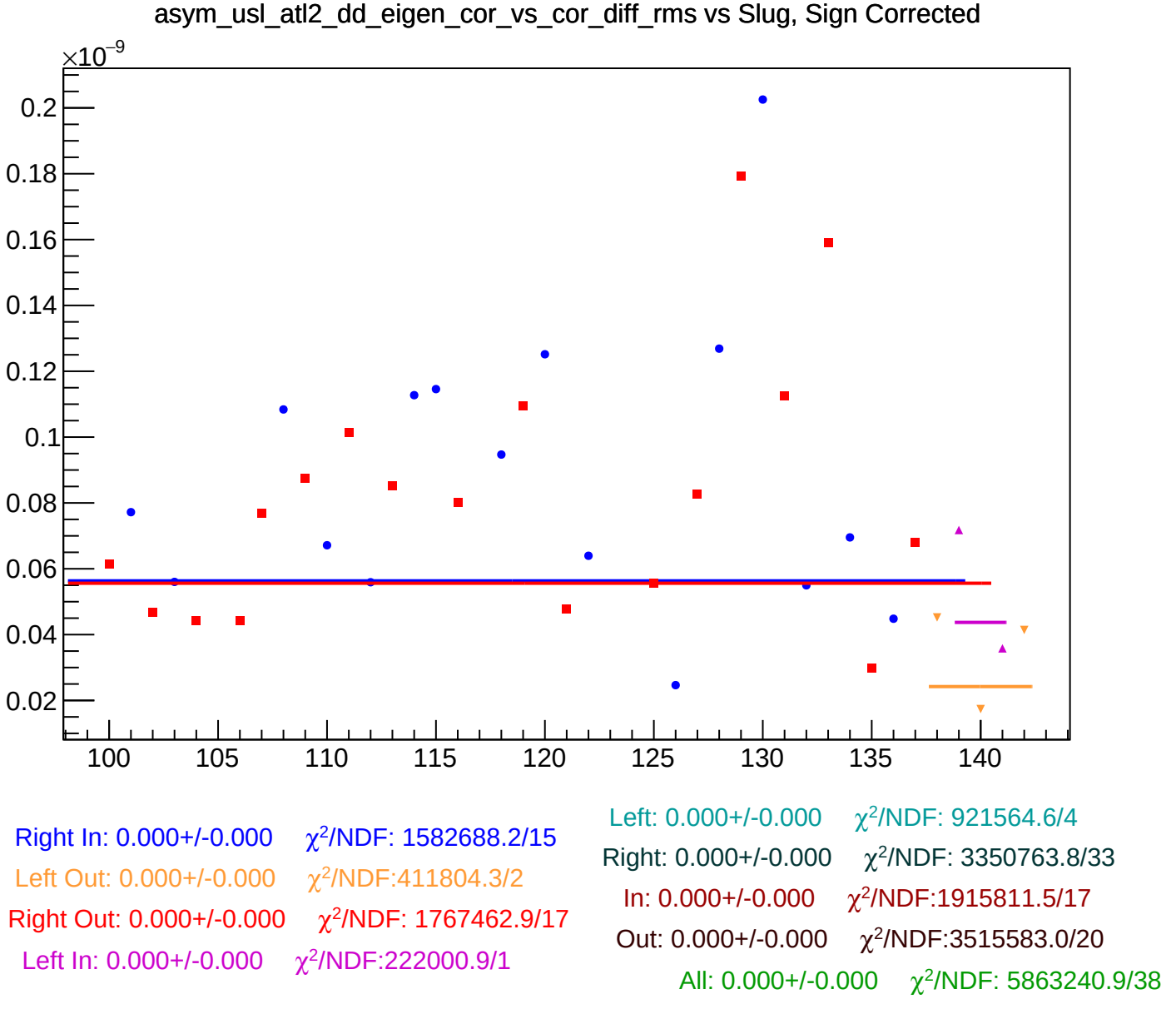
Left: -0.000+/-0.000 χ^2/NDF: 5.9/4

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

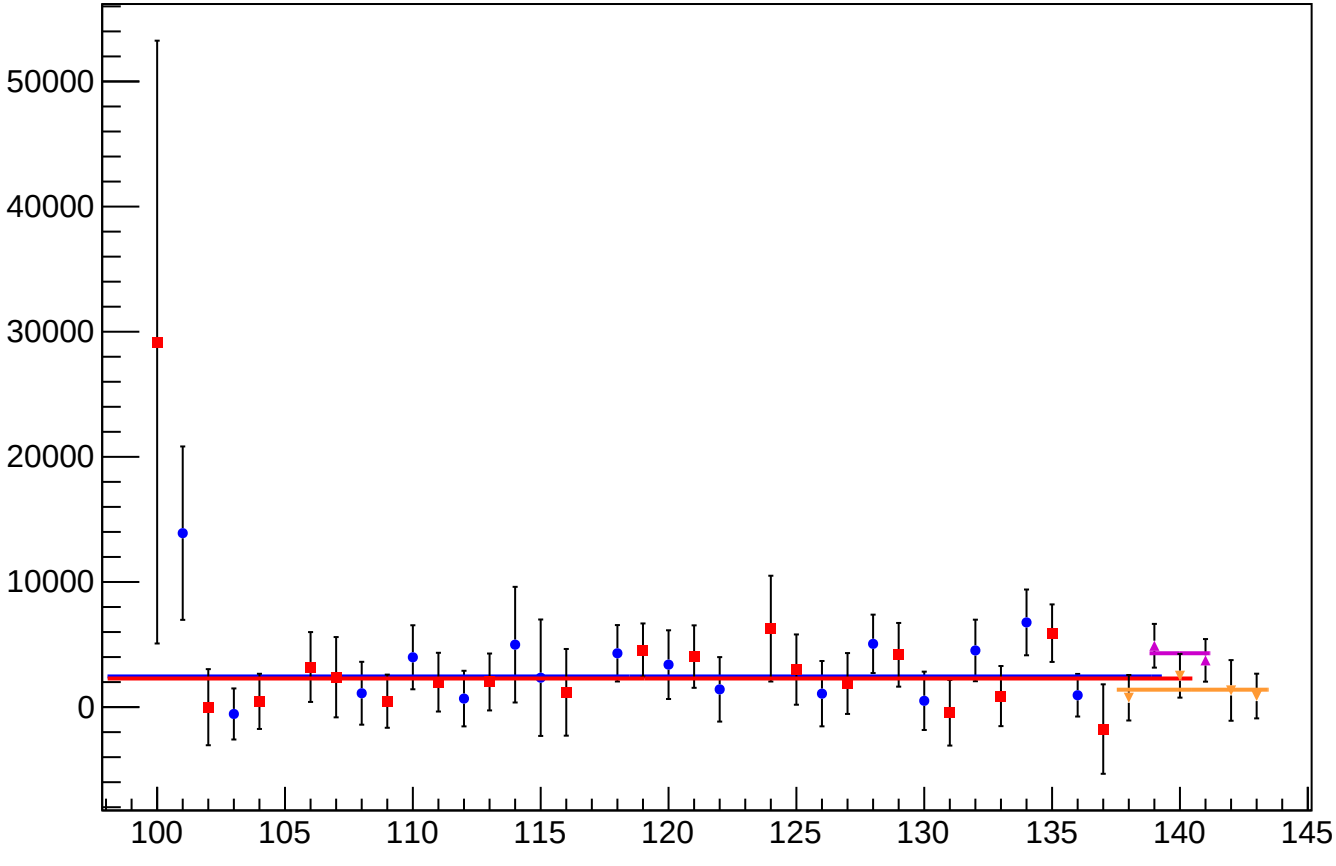
In: -0.000+/-0.000 χ^2/NDF:11.8/17

Out: 0.000+/-0.000 χ^2/NDF:27.7/20

All: -0.000+/-0.000 χ^2/NDF: 44.8/38


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:411804.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:222000.9/1
Left: 0.000+/-0.000 χ²/NDF: 921564.6/4
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:1915811.5/17
Out: 0.000+/-0.000 χ²/NDF:3515583.0/20
All: 0.000+/-0.000 χ²/NDF: 5863240.9/38

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.679+/-947.550 χ^2/NDF:0.6/3

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 4304.384+/-1219.507 χ^2/NDF:0.2/1

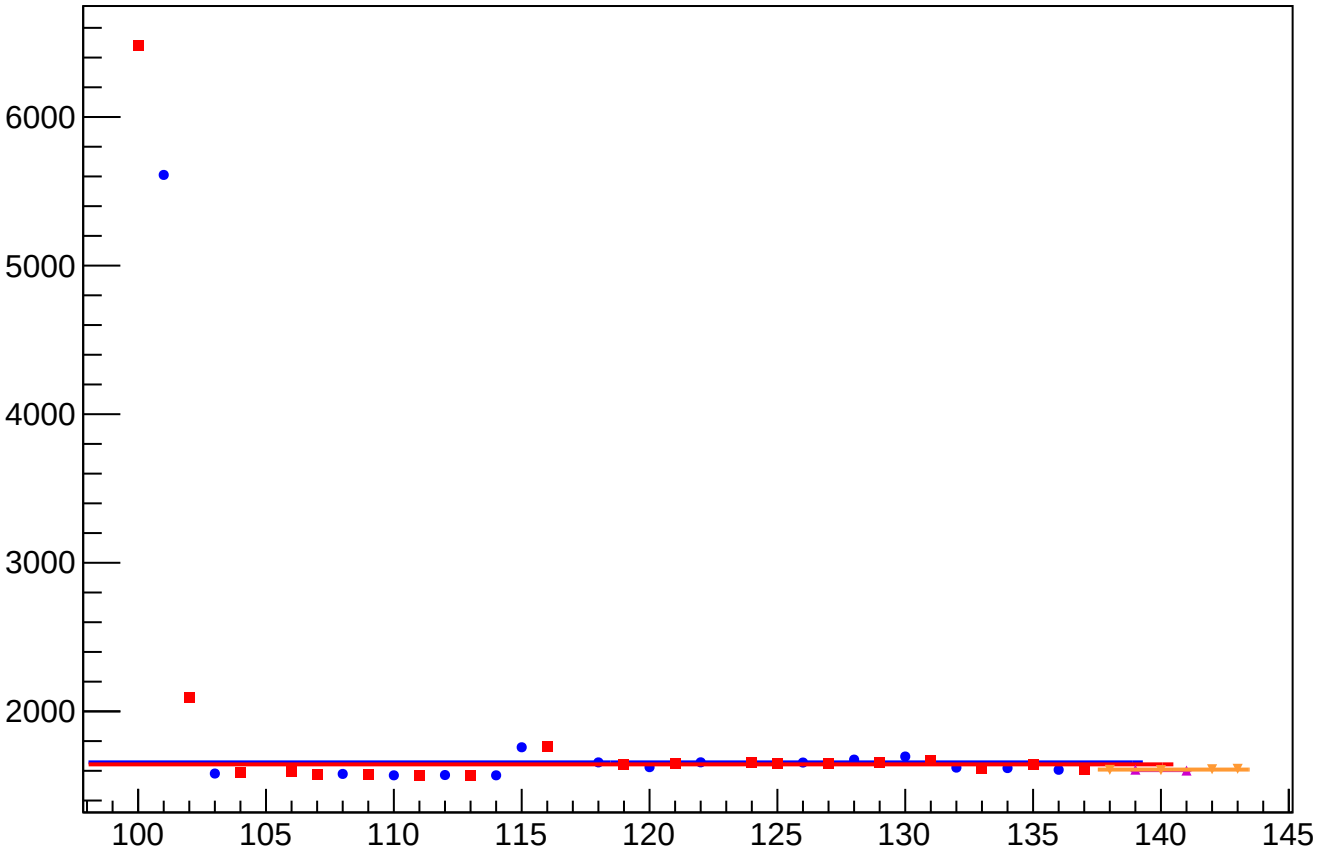
Left: 2488.790+/-748.234 χ^2/NDF: 4.4/5

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2840.836+/-559.888 χ^2/NDF:15.9/17

Out: 2025.171+/-512.405 χ^2/NDF:13.1/22

All: 2396.956+/-377.999 χ^2/NDF: 30.1/40



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

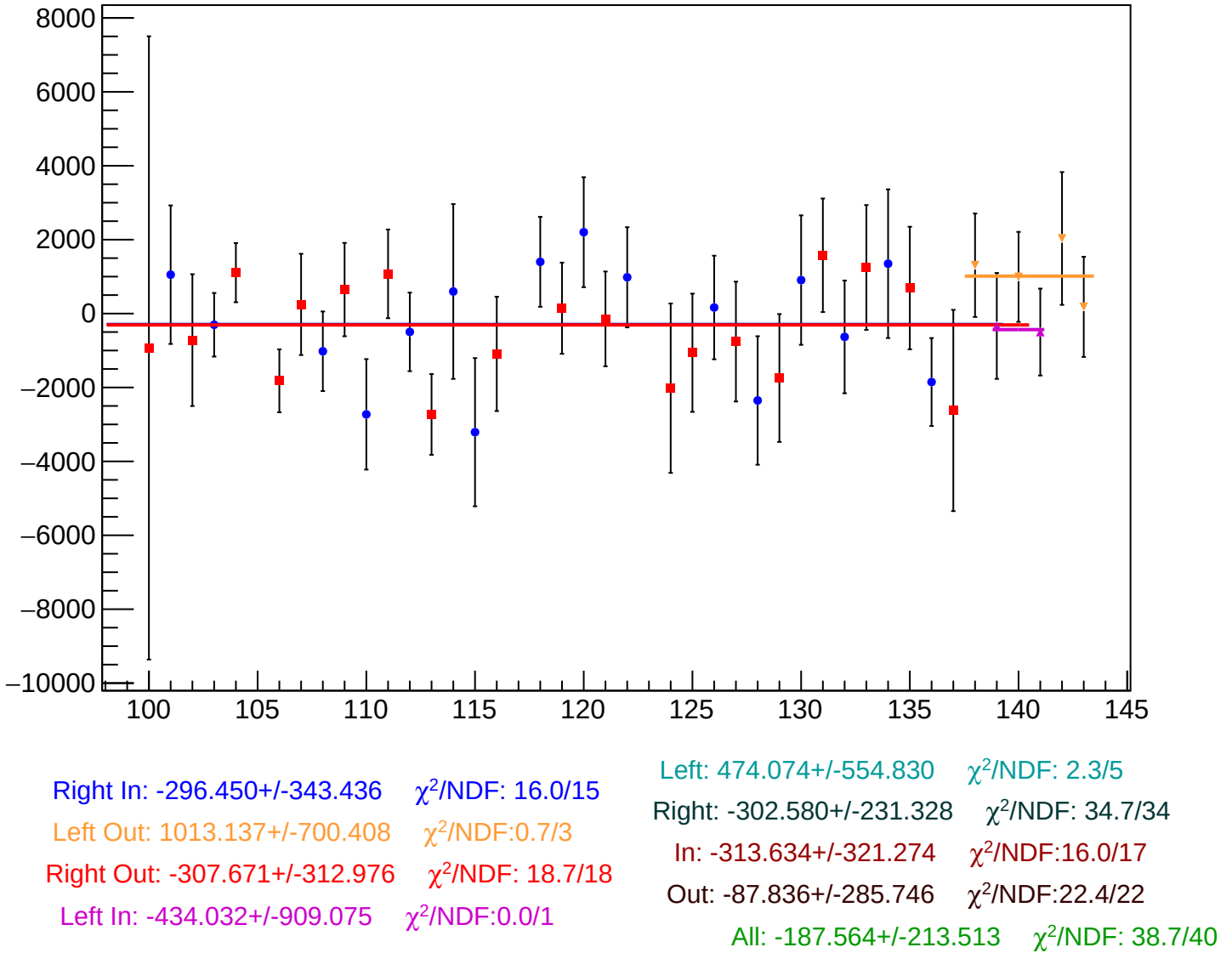
Left: 1607.016+/-0.529 χ^2/NDF: 51.4/5

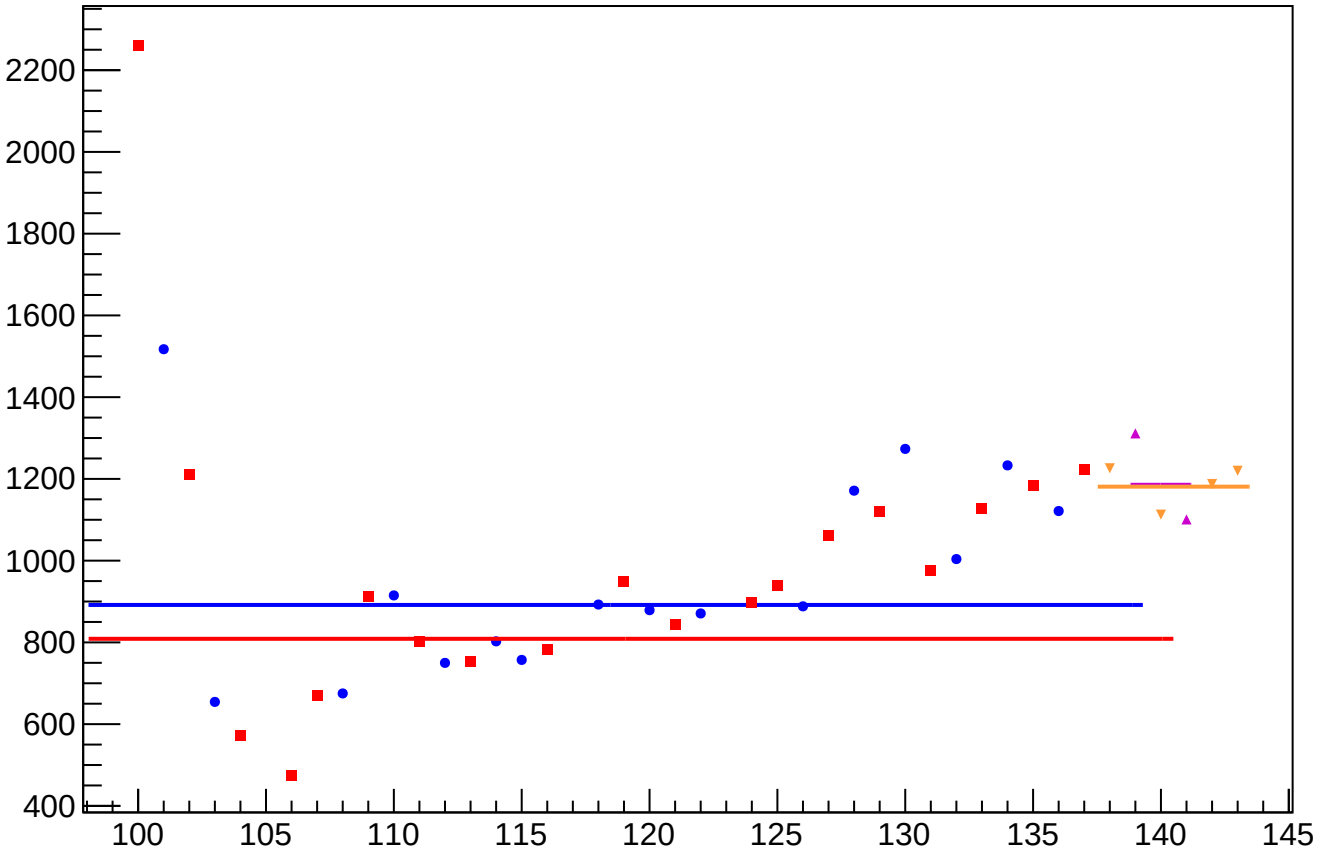
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1645.743+/-0.396 χ^2/NDF:669097.9/17

Out: 1633.176+/-0.362 χ^2/NDF:138963.9/22

All: 1638.904+/-0.267 χ^2/NDF: 808610.1/40


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: 1013.137+/-700.408 χ²/NDF:0.7/3
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: -434.032+/-909.075 χ²/NDF:0.0/1
Left: 474.074+/-554.830 χ²/NDF: 2.3/5
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: -313.634+/-321.274 χ²/NDF:16.0/17
Out: -87.836+/-285.746 χ²/NDF:22.4/22
All: -187.564+/-213.513 χ²/NDF: 38.7/40



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 1181.029+/-0.495 χ^2/NDF:10057.6/3

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1185.604+/-0.643 χ^2/NDF:25776.3/1

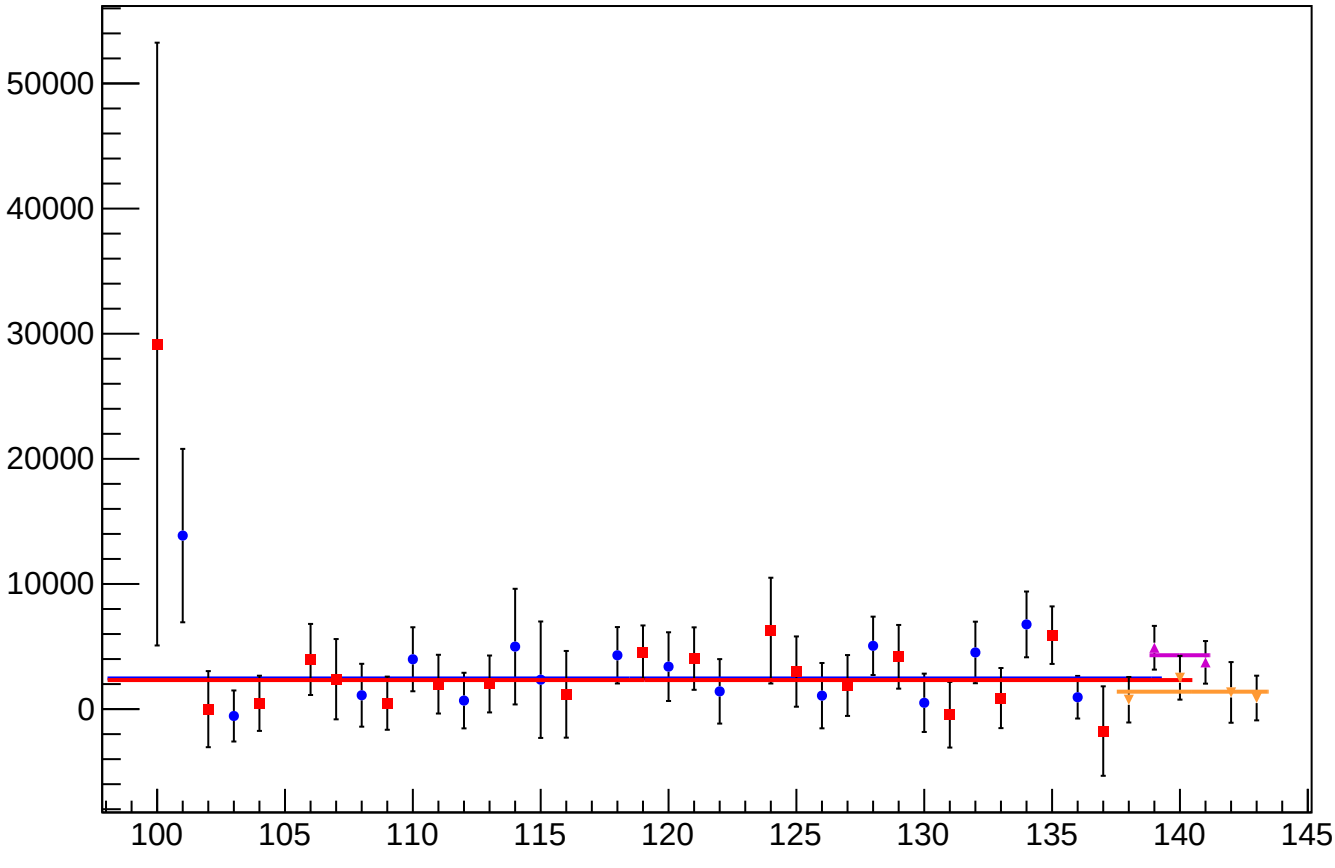
Left: 1182.733+/-0.392 χ^2/NDF: 35865.6/5

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 928.349+/-0.227 χ^2/NDF:1002693.4/17

Out: 870.761+/-0.202 χ^2/NDF:1564728.6/22

All: 896.196+/-0.151 χ^2/NDF: 2603299.9/40



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.770+/-947.550 χ^2/NDF:0.6/3

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: 2488.964+/-748.234 χ^2/NDF: 4.4/5

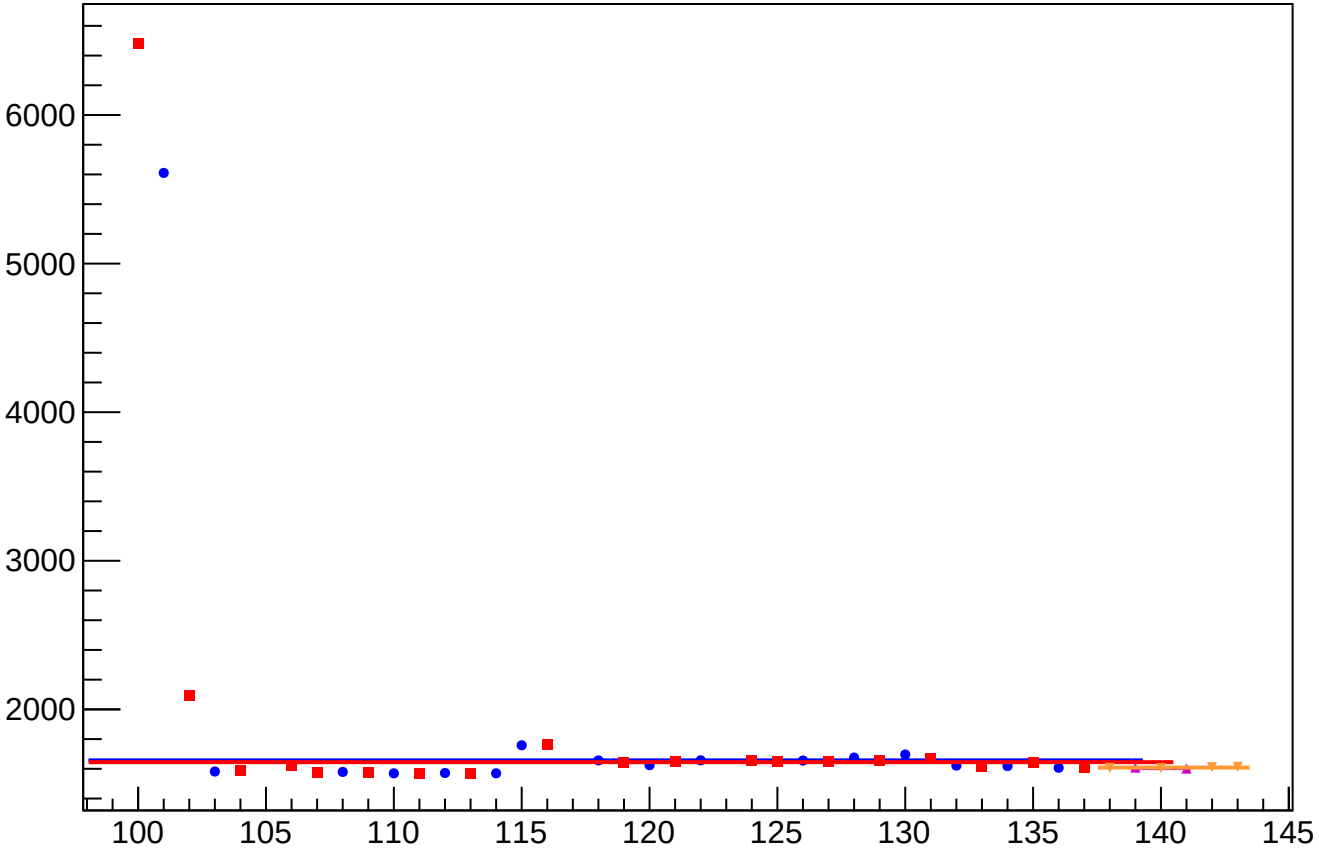
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2840.461+/-559.888 χ^2/NDF:15.9/17

Out: 2048.941+/-512.703 χ^2/NDF:13.4/22

All: 2409.948+/-378.118 χ^2/NDF: 30.3/40

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

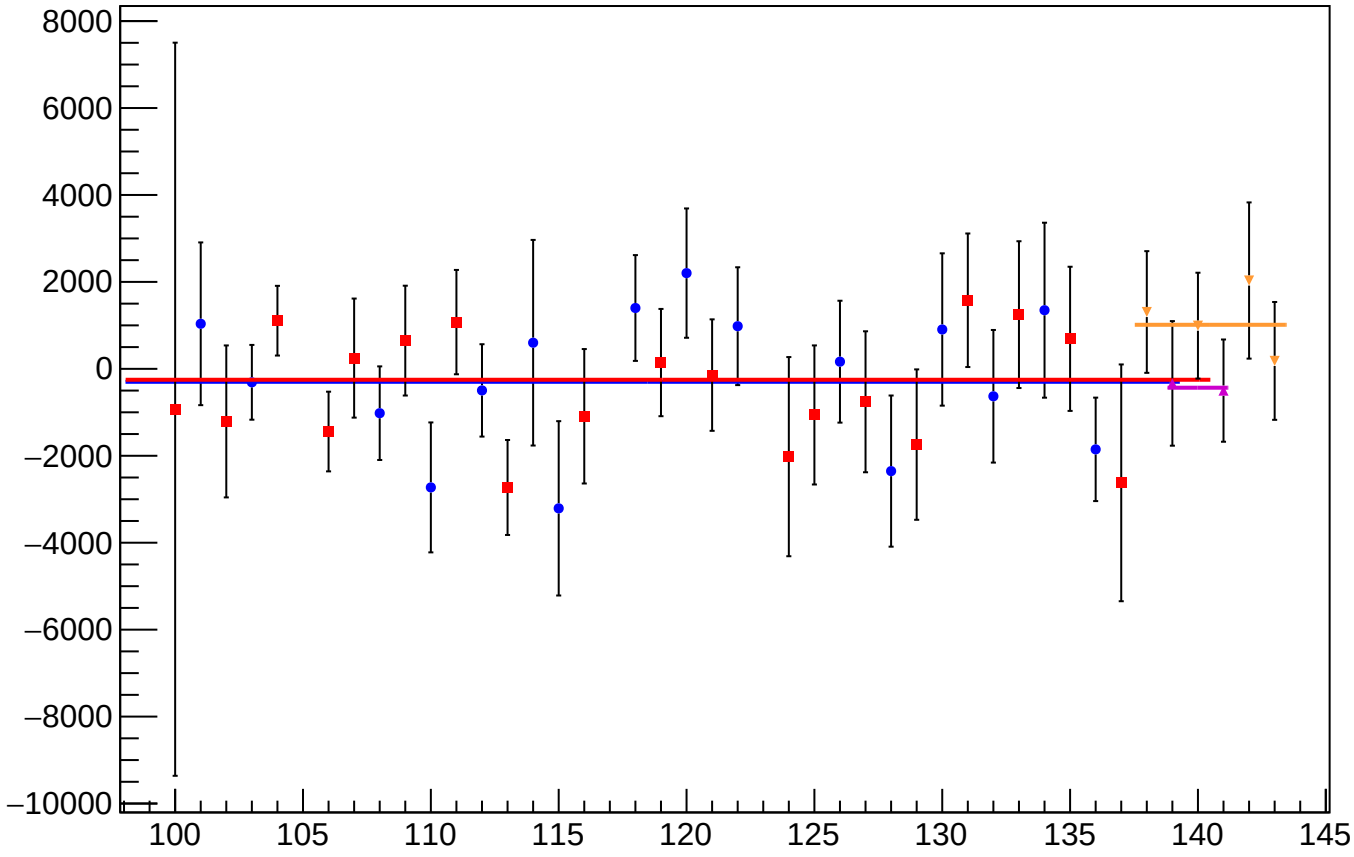
Left: 1607.016+/-0.529 χ^2/NDF: 51.4/5

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1645.743+/-0.396 χ^2/NDF:669097.4/17

Out: 1634.085+/-0.363 χ^2/NDF:138594.8/22

All: 1639.402+/-0.267 χ^2/NDF: 808163.8/40



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1013.217+/-700.403 χ^2/NDF:0.7/3

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -434.262+/-909.076 χ^2/NDF:0.0/1

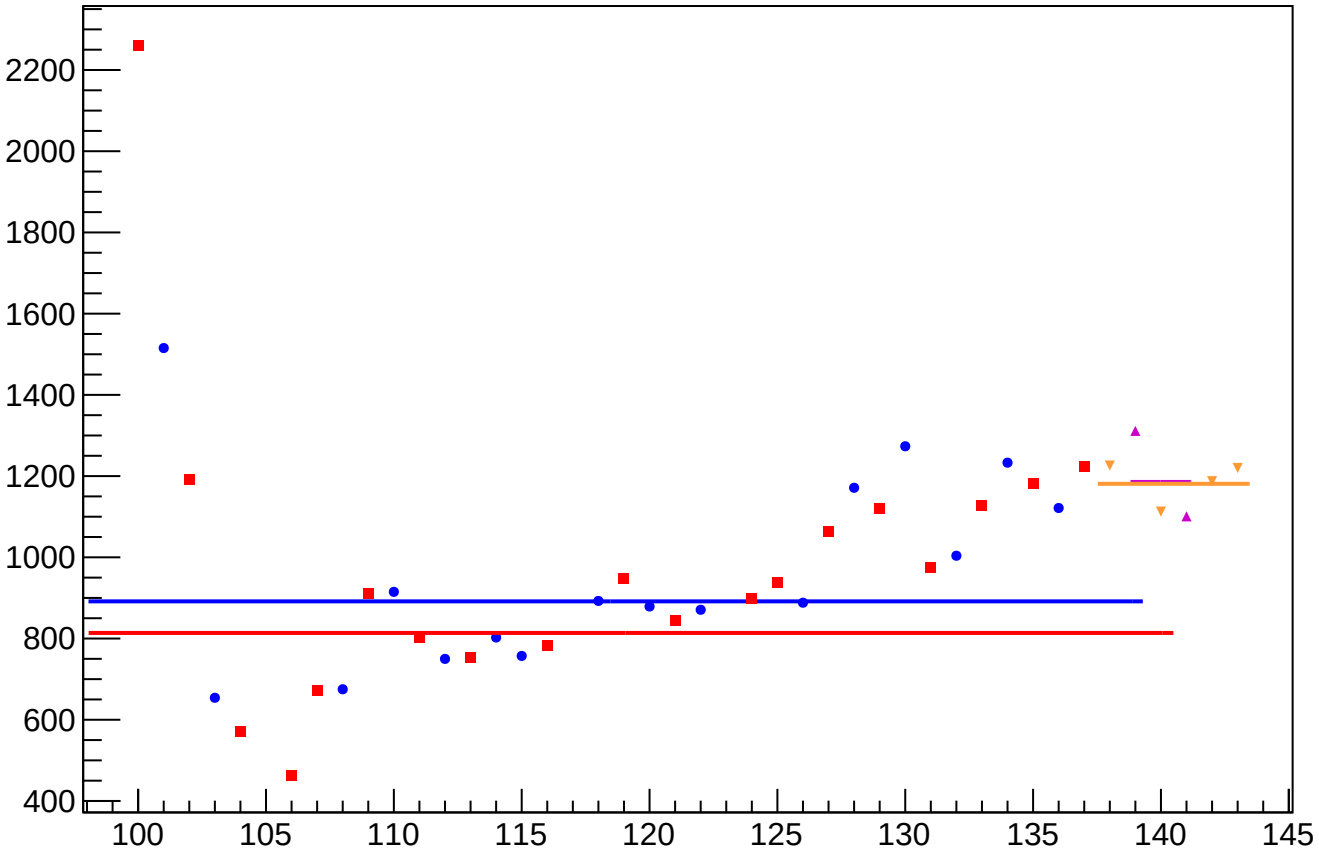
Left: 474.045+/-554.828 χ^2/NDF: 2.3/5

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -314.834+/-321.237 χ^2/NDF:16.0/17

Out: -37.660+/-287.851 χ^2/NDF:20.7/22

All: -161.100+/-214.376 χ^2/NDF: 37.1/40



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1181.019+/-0.495 χ^2/NDF:10057.7/3

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1185.604+/-0.643 χ^2/NDF:25781.4/1

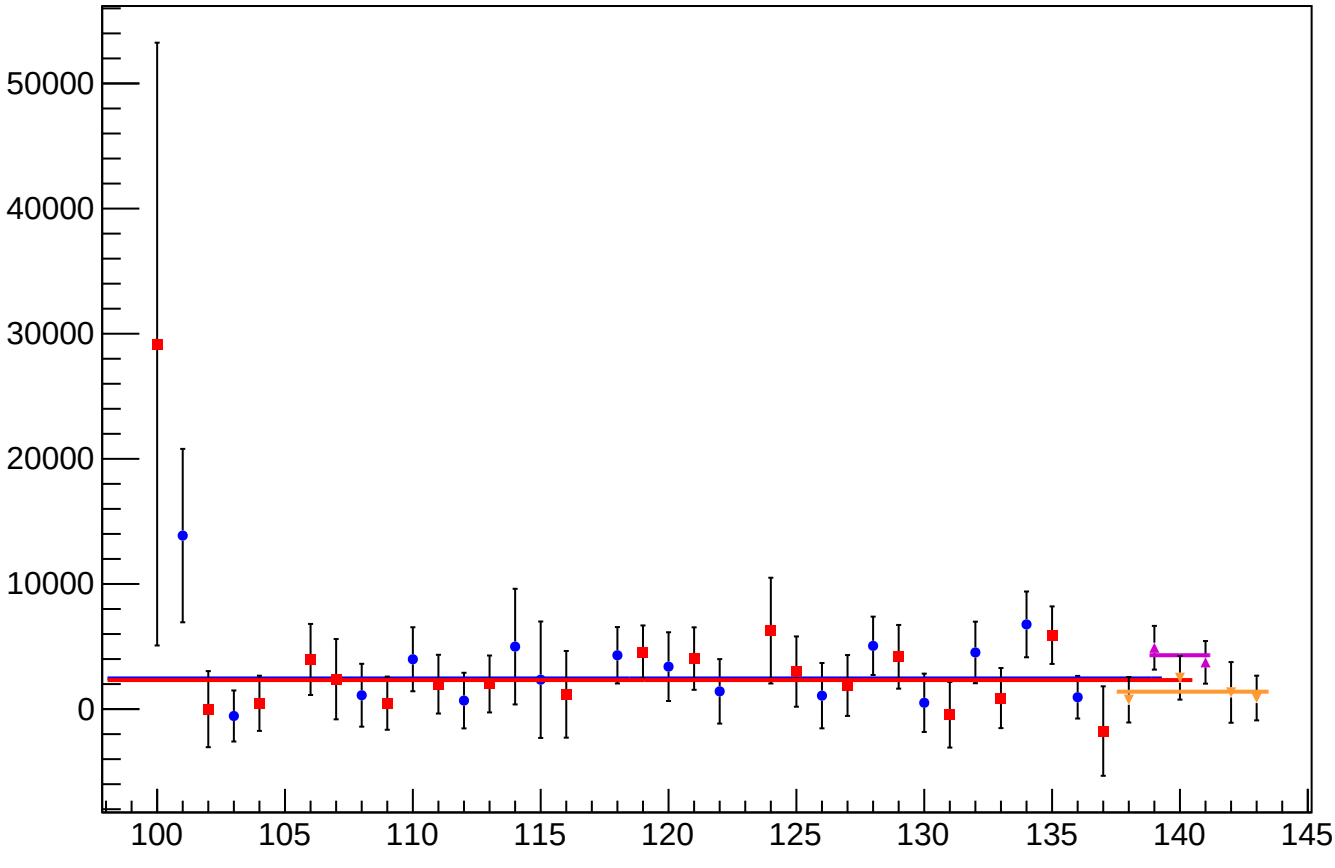
Left: 1182.727+/-0.392 χ^2/NDF: 35871.0/5

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 928.253+/-0.227 χ^2/NDF:1002588.9/17

Out: 875.831+/-0.204 χ^2/NDF:1519945.7/22

All: 899.177+/-0.152 χ^2/NDF: 2552075.9/40



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1392.770+/-947.550 χ^2/NDF:0.6/3

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4304.696+/-1219.507 χ^2/NDF:0.2/1

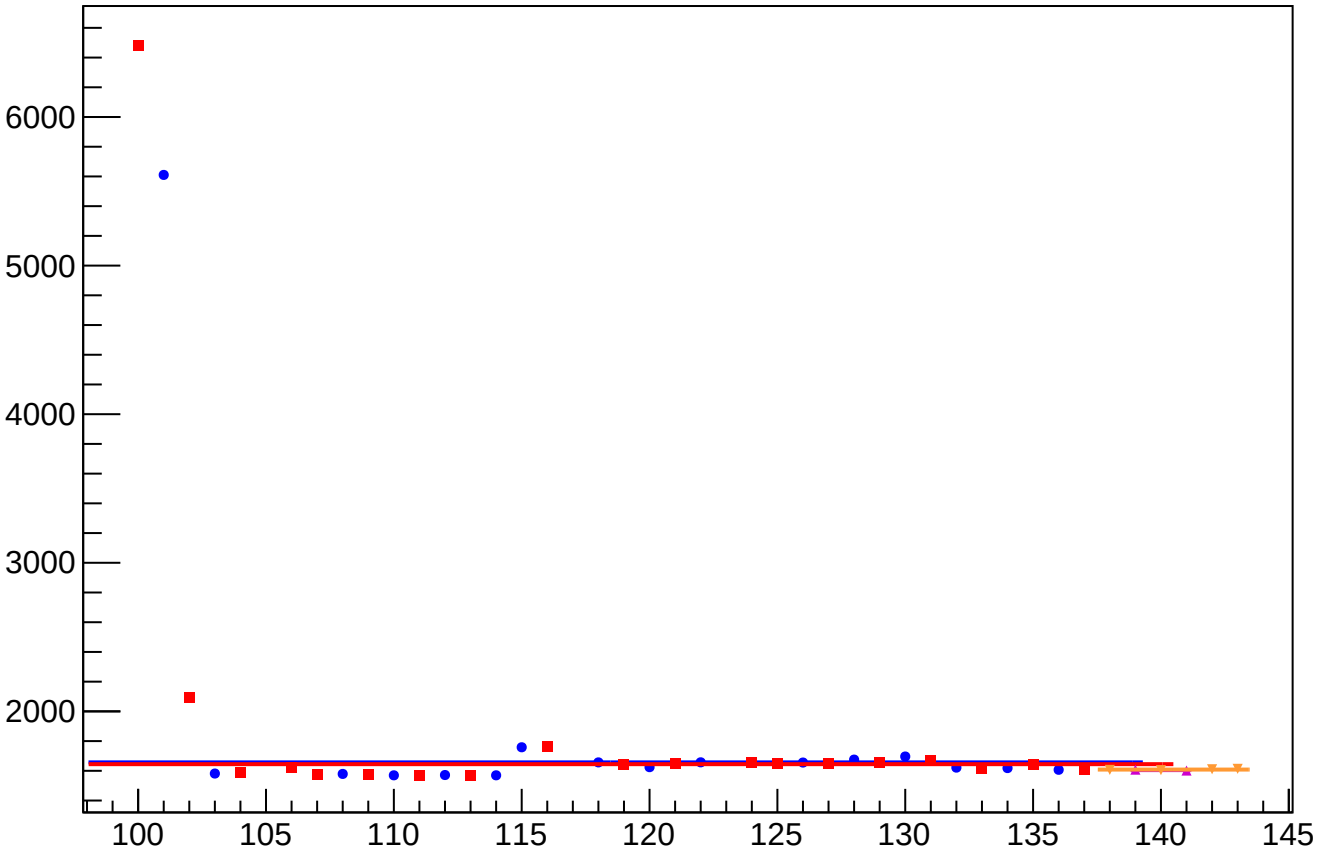
Left: 2488.964+/-748.234 χ^2/NDF: 4.4/5

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2840.461+/-559.888 χ^2/NDF:15.9/17

Out: 2048.941+/-512.703 χ^2/NDF:13.4/22

All: 2409.948+/-378.118 χ^2/NDF: 30.3/40



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1608.365+/-0.670 χ^2/NDF:28.1/3

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1604.781+/-0.862 χ^2/NDF:12.5/1

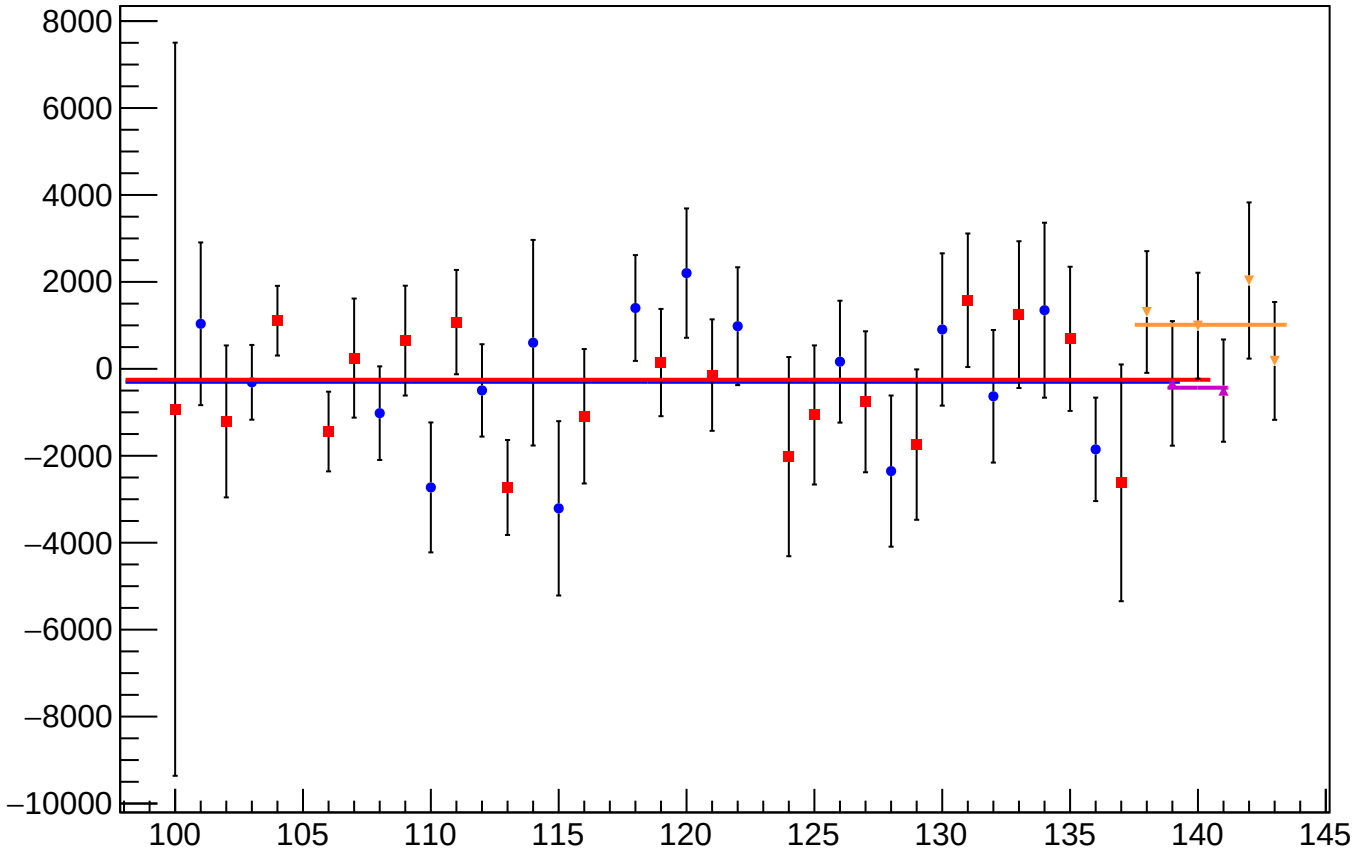
Left: 1607.016+/-0.529 χ^2/NDF: 51.4/5

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1645.743+/-0.396 χ^2/NDF:669097.4/17

Out: 1634.085+/-0.363 χ^2/NDF:138594.8/22

All: 1639.402+/-0.267 χ^2/NDF: 808163.8/40



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1013.217+/-700.403 χ^2/NDF:0.7/3

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -434.262+/-909.076 χ^2/NDF:0.0/1

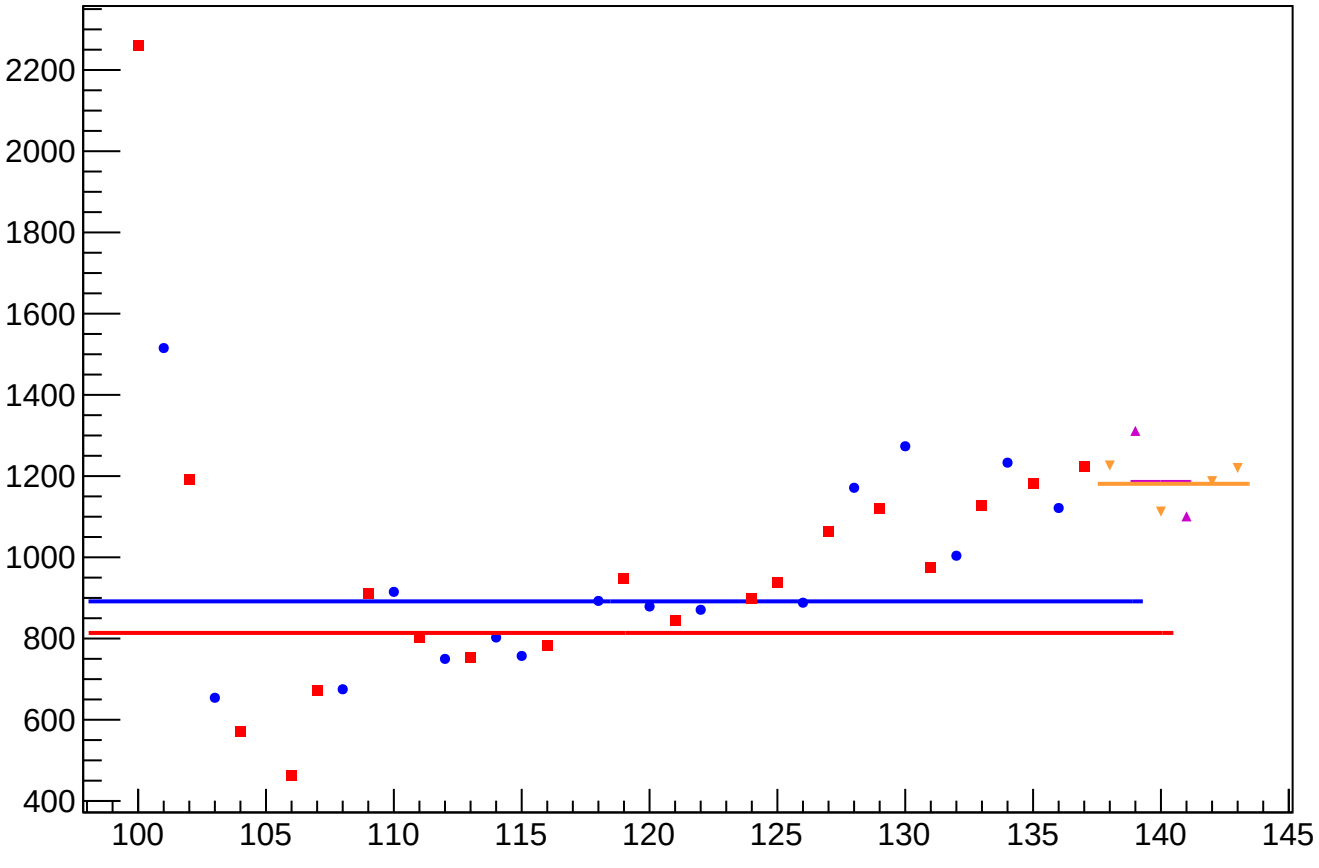
Left: 474.045+/-554.828 χ^2/NDF: 2.3/5

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -314.834+/-321.237 χ^2/NDF:16.0/17

Out: -37.660+/-287.851 χ^2/NDF:20.7/22

All: -161.100+/-214.376 χ^2/NDF: 37.1/40



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1181.019+/-0.495 χ^2/NDF:10057.7/3

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: 1182.727+/-0.392 χ^2/NDF: 35871.0/5

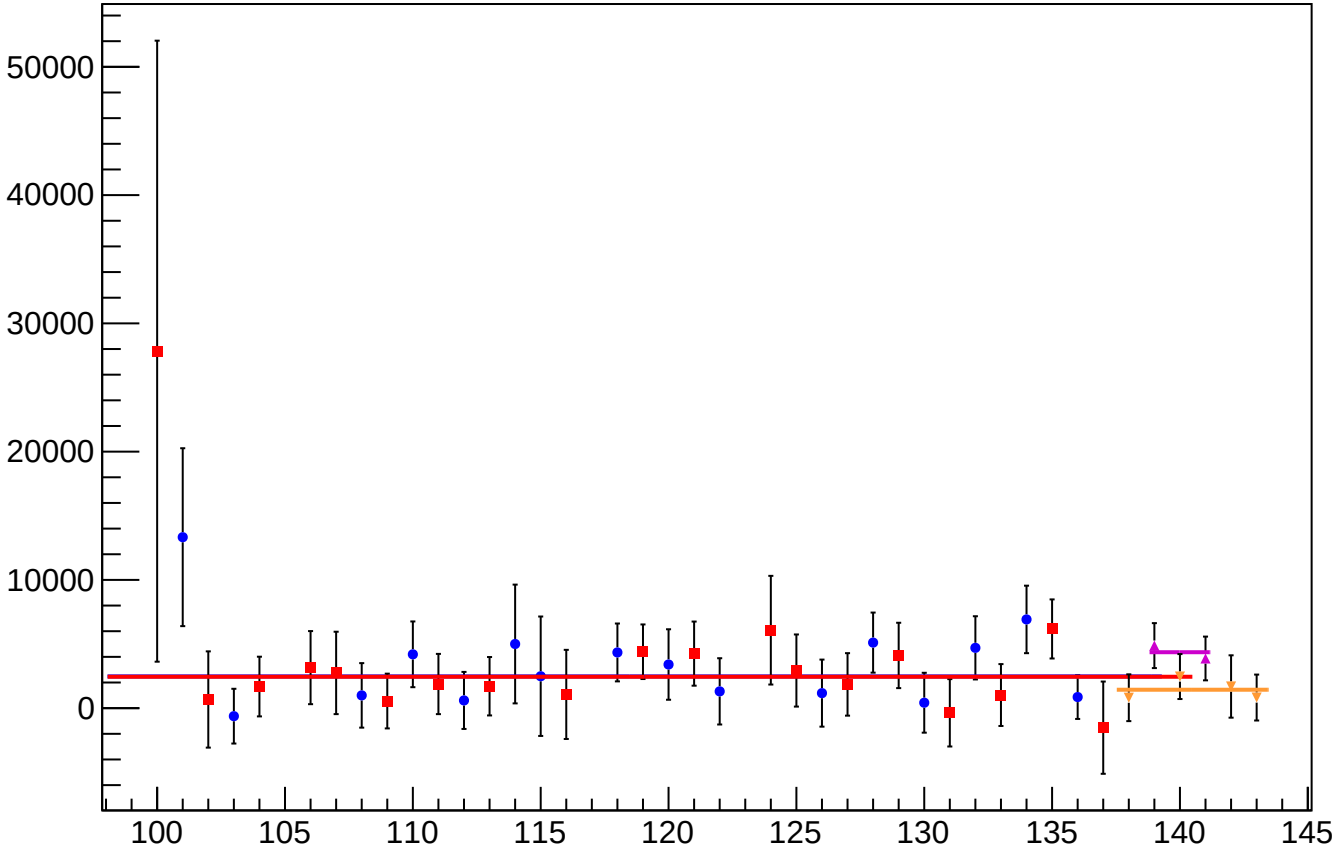
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 928.253+/-0.227 χ^2/NDF:1002588.9/17

Out: 875.831+/-0.204 χ^2/NDF:1519945.7/22

All: 899.177+/-0.152 χ^2/NDF: 2552075.9/40

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1437.283+/-950.255 χ^2/NDF:0.6/3

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4362.204+/-1222.203 χ^2/NDF:0.2/1

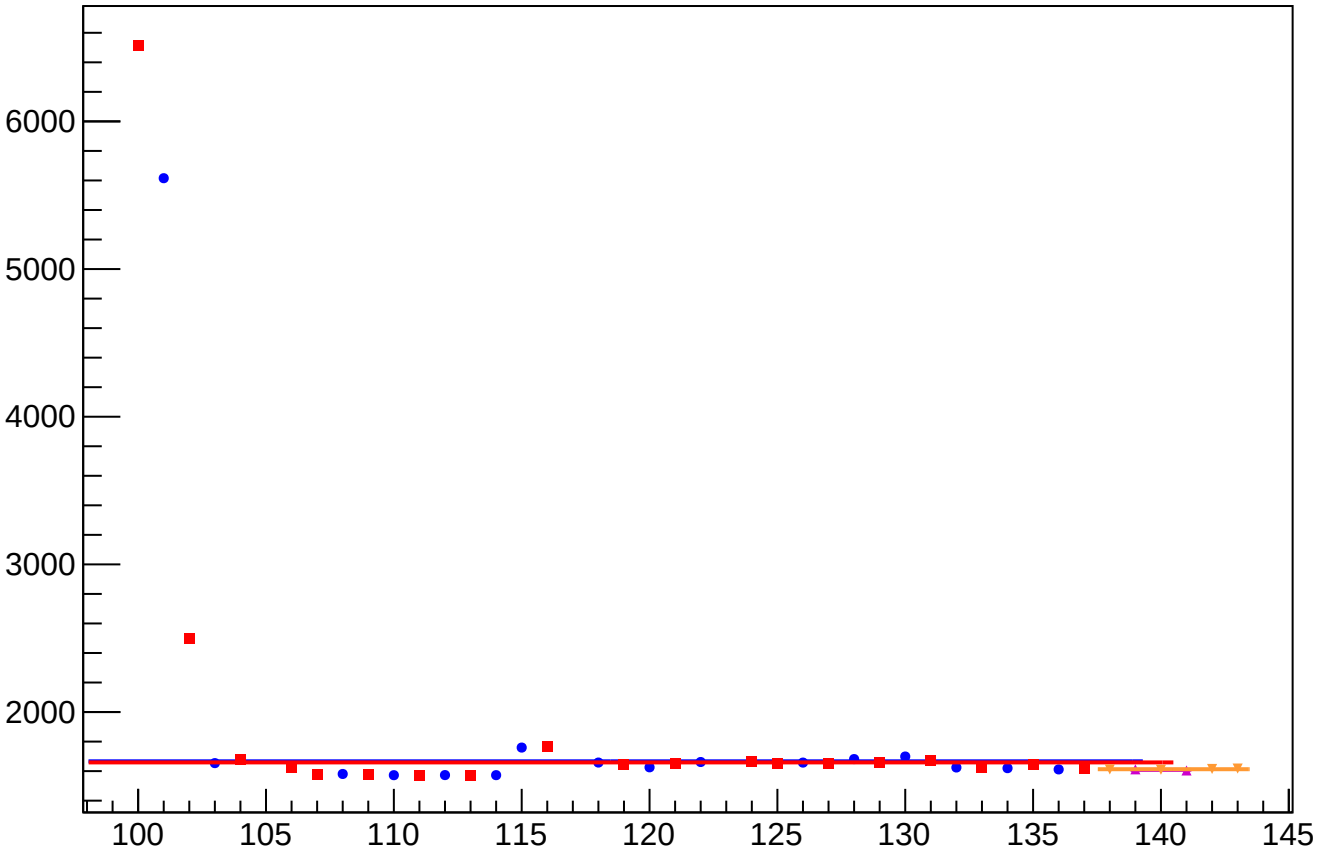
Left: 2539.251+/-750.189 χ^2/NDF: 4.3/5

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2875.194+/-562.693 χ^2/NDF:16.3/17

Out: 2148.637+/-517.799 χ^2/NDF:11.9/22

All: 2481.779+/-381.023 χ^2/NDF: 29.1/40



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.945+/-0.672 χ^2/NDF:22.6/3

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1608.256+/-0.864 χ^2/NDF:19.7/1

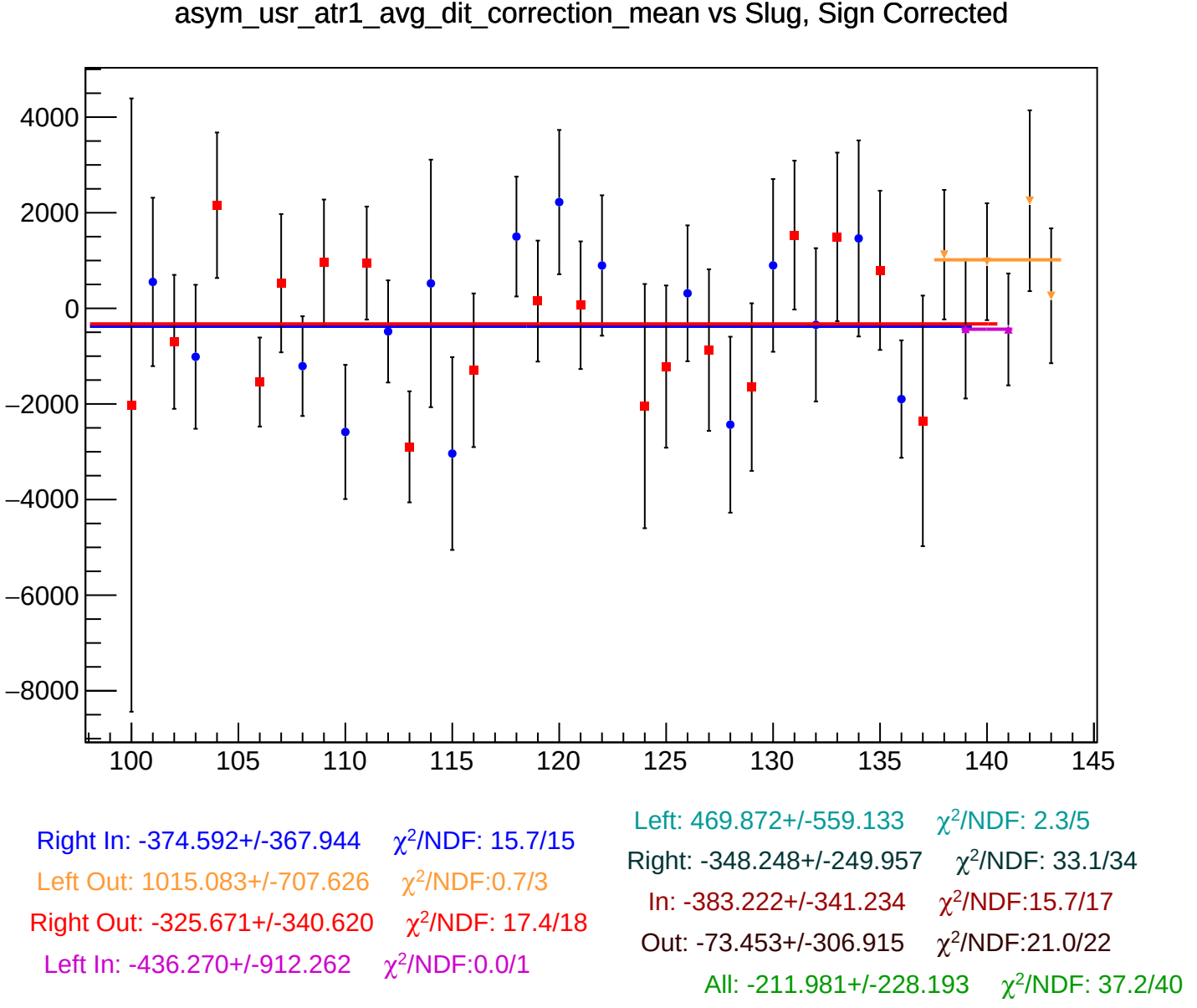
Left: 1611.178+/-0.530 χ^2/NDF: 60.6/5

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

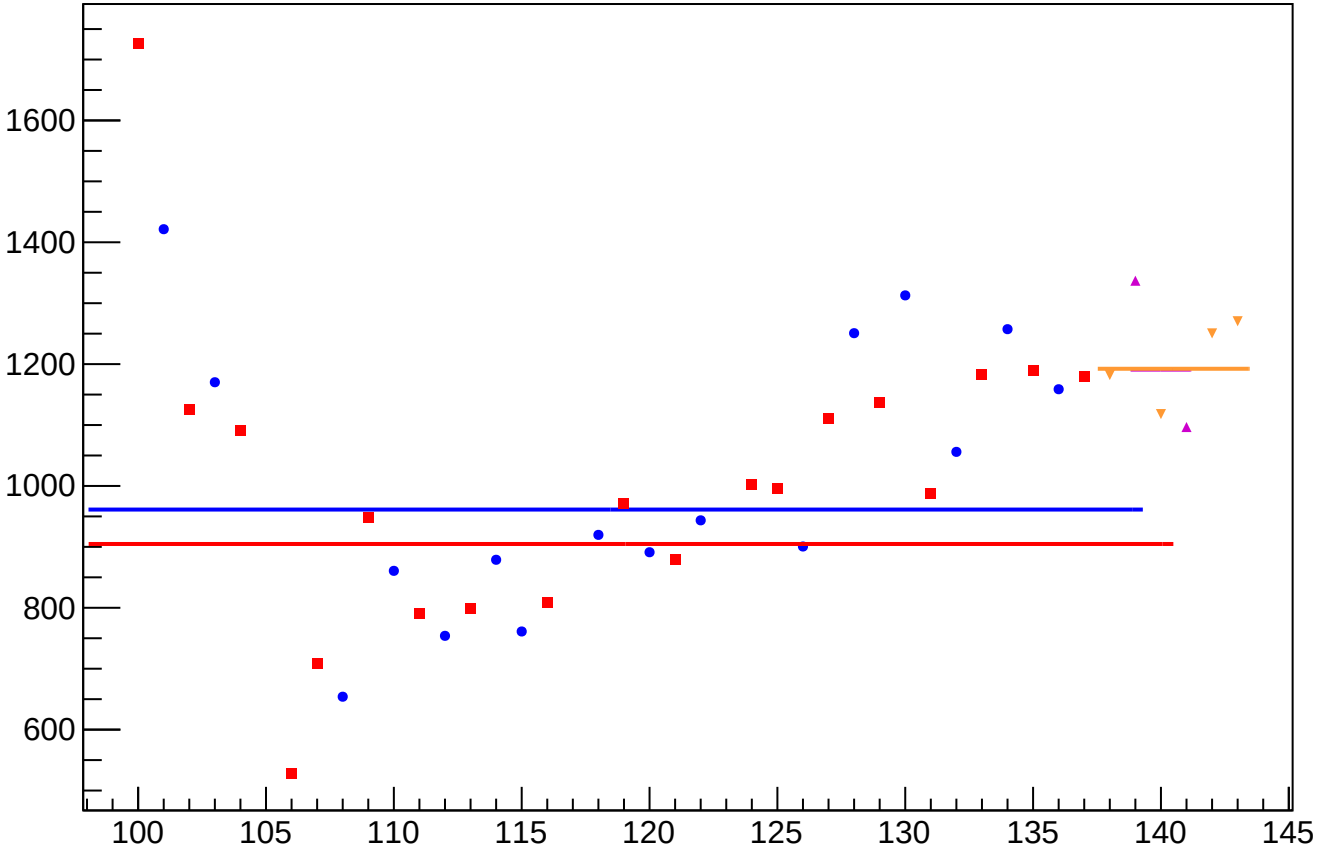
In: 1654.076+/-0.398 χ^2/NDF:666501.1/17

Out: 1645.328+/-0.366 χ^2/NDF:196550.0/22

All: 1649.339+/-0.269 χ^2/NDF: 863312.8/40


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 1015.083+/-707.626 χ²/NDF:0.7/3
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: -436.270+/-912.262 χ²/NDF:0.0/1
Left: 469.872+/-559.133 χ²/NDF: 2.3/5
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -383.222+/-341.234 χ²/NDF:15.7/17
Out: -73.453+/-306.915 χ²/NDF:21.0/22
All: -211.981+/-228.193 χ²/NDF: 37.2/40

asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1192.362+/-0.500 χ^2/NDF:15526.9/3

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1190.967+/-0.645 χ^2/NDF:33048.4/1

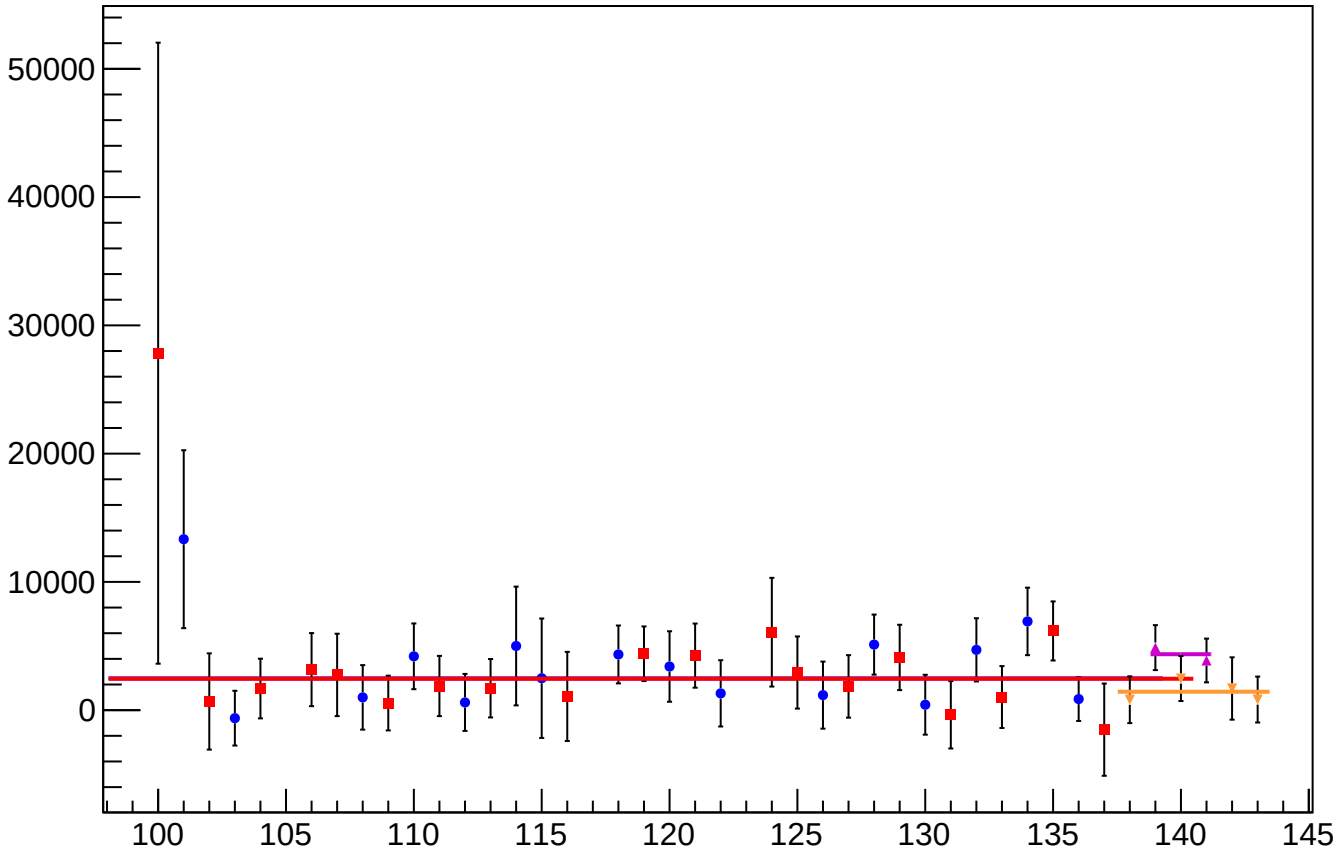
Left: 1191.838+/-0.395 χ^2/NDF: 48578.2/5

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 993.385+/-0.241 χ^2/NDF:834003.8/17

Out: 958.843+/-0.217 χ^2/NDF:1020281.1/22

All: 974.290+/-0.161 χ^2/NDF: 1865613.3/40



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1437.284+/-950.255 χ^2/NDF:0.6/3

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4362.199+/-1222.203 χ^2/NDF:0.2/1

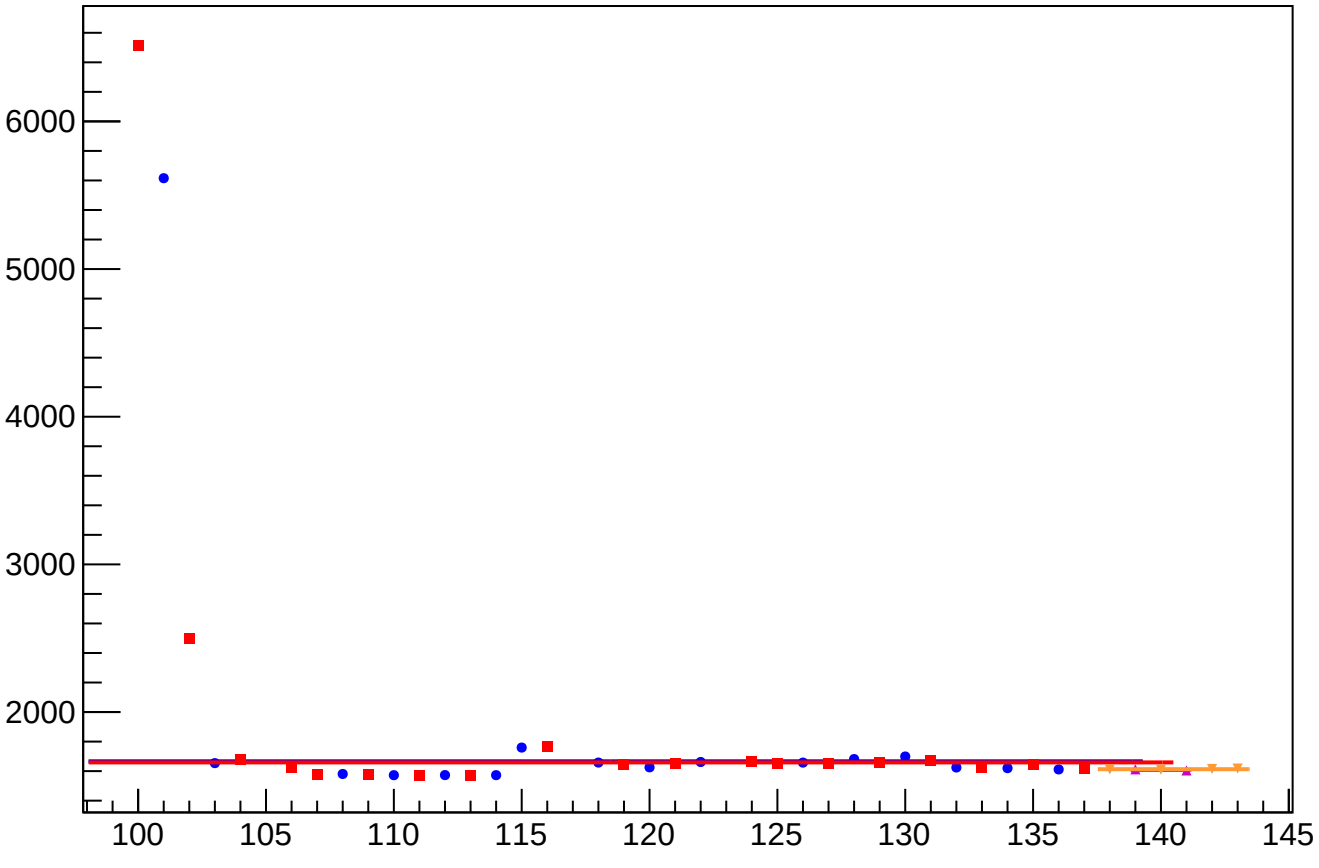
Left: 2539.250+/-750.189 χ^2/NDF: 4.3/5

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2875.192+/-562.693 χ^2/NDF:16.3/17

Out: 2148.637+/-517.799 χ^2/NDF:11.9/22

All: 2481.779+/-381.023 χ^2/NDF: 29.1/40



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.945+/-0.672 χ^2/NDF:22.6/3

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.256+/-0.864 χ^2/NDF:19.7/1

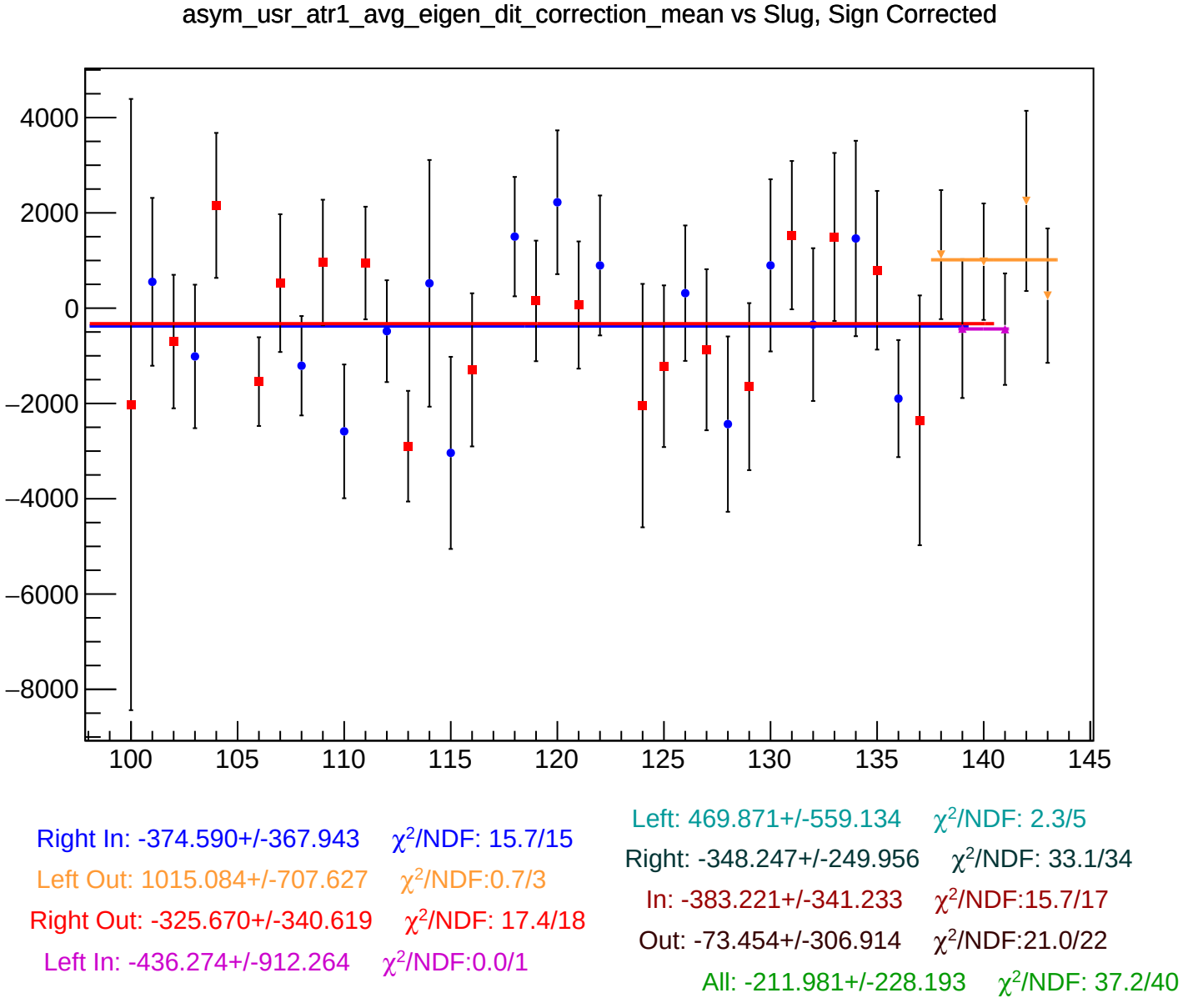
Left: 1611.178+/-0.530 χ^2/NDF: 60.6/5

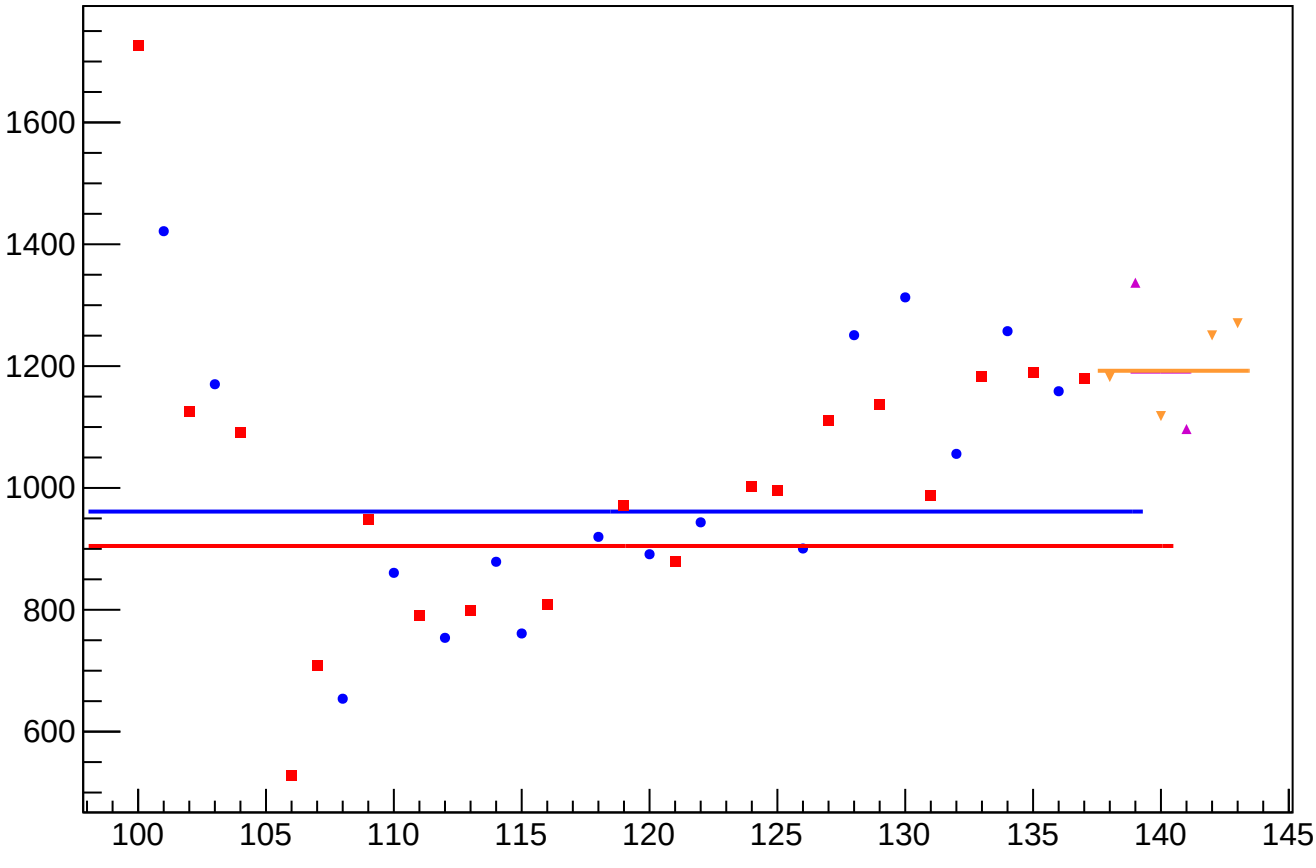
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1654.075+/-0.398 χ^2/NDF:666501.1/17

Out: 1645.328+/-0.366 χ^2/NDF:196549.8/22

All: 1649.339+/-0.269 χ^2/NDF: 863312.6/40


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
145
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 1015.084+/-707.627 χ²/NDF:0.7/3
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: -436.274+/-912.264 χ²/NDF:0.0/1
Left: 469.871+/-559.134 χ²/NDF: 2.3/5
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -383.221+/-341.233 χ²/NDF:15.7/17
Out: -73.454+/-306.914 χ²/NDF:21.0/22
All: -211.981+/-228.193 χ²/NDF: 37.2/40



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1192.364+/-0.500 χ^2/NDF:15526.9/3

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: 1191.840+/-0.395 χ^2/NDF: 48578.4/5

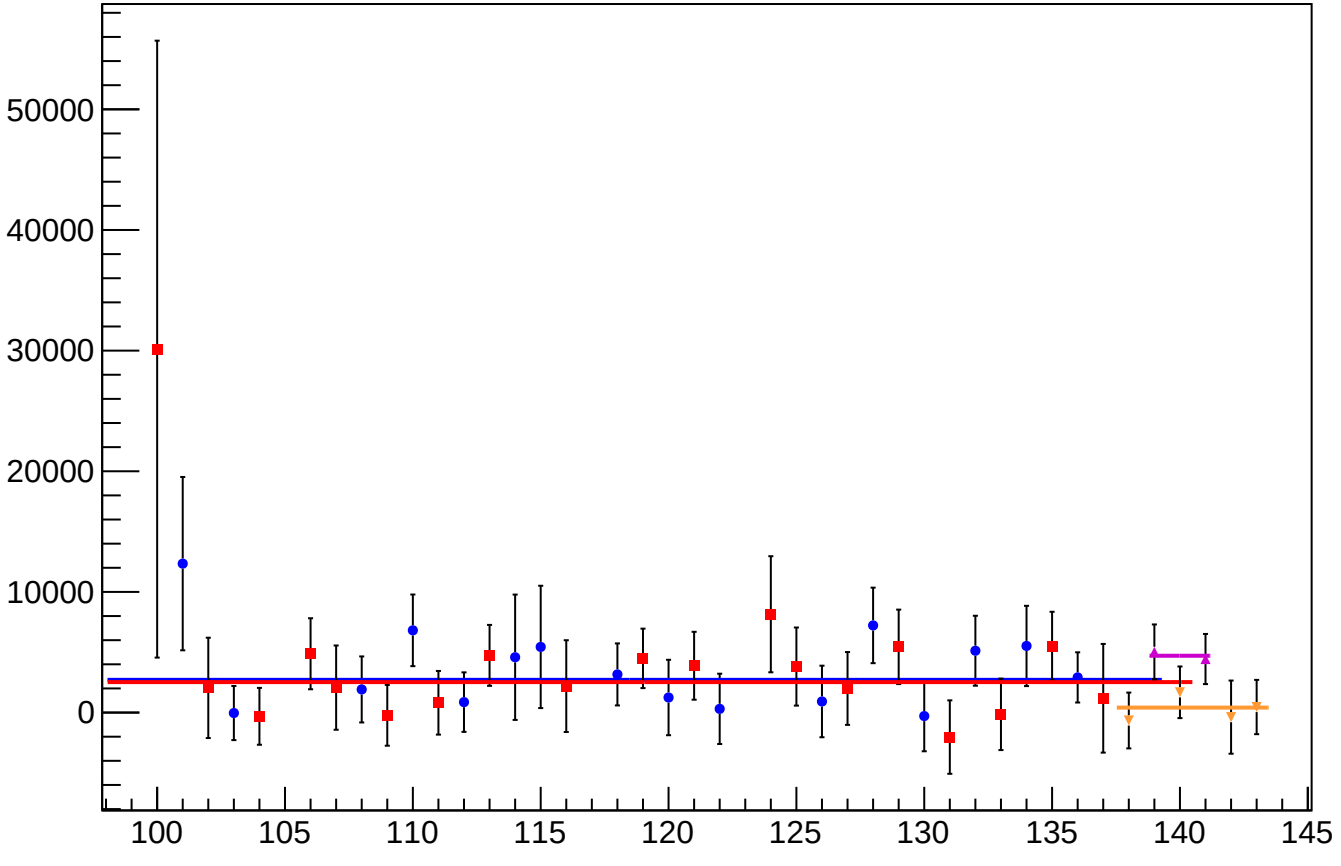
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 993.381+/-0.241 χ^2/NDF:834017.8/17

Out: 958.841+/-0.217 χ^2/NDF:1020287.1/22

All: 974.288+/-0.161 χ^2/NDF: 1865632.5/40

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 412.551+/-1185.356 χ^2/NDF:0.6/3

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: 2019.885+/-937.770 χ^2/NDF: 5.6/5

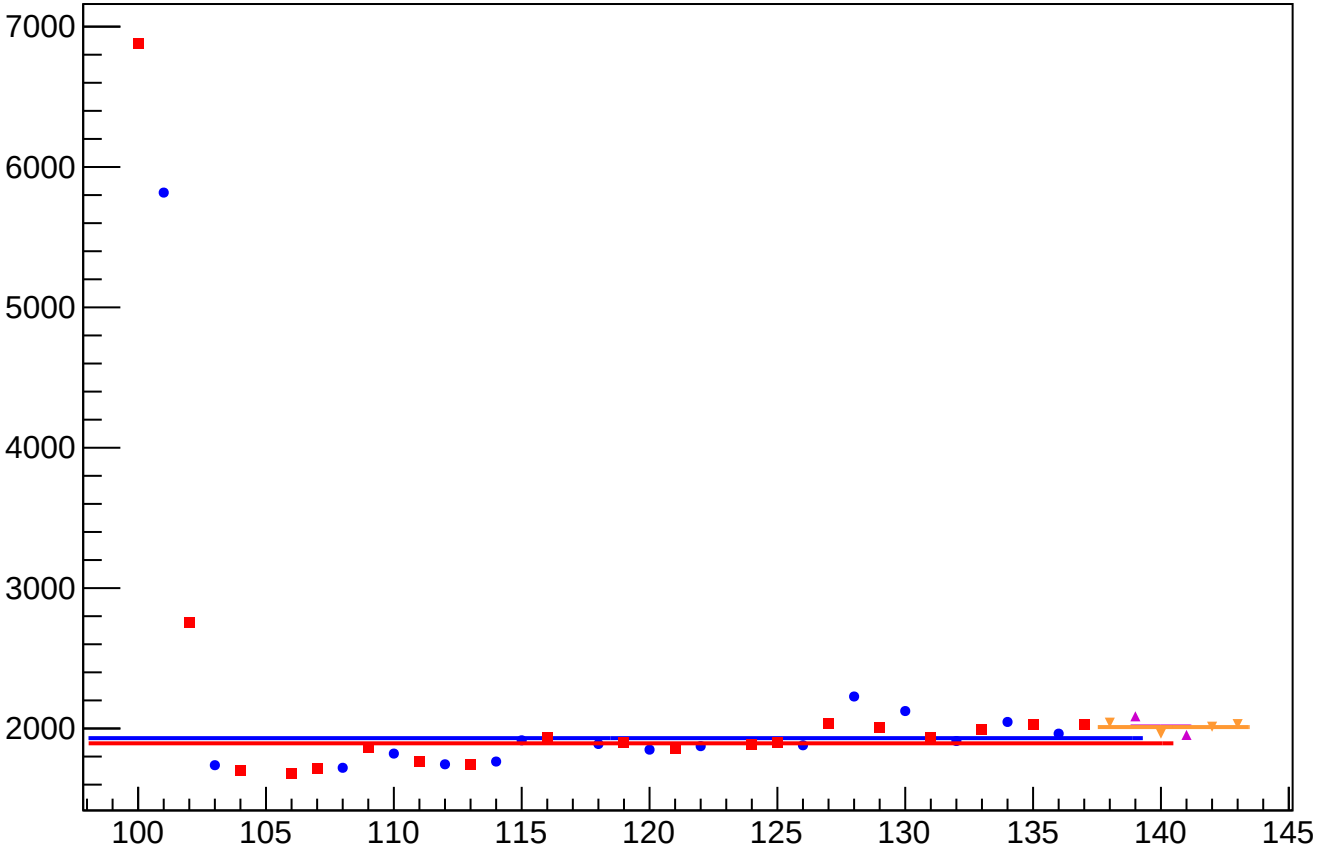
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 3084.751+/-662.841 χ^2/NDF:13.5/17

Out: 1971.728+/-606.849 χ^2/NDF:16.2/22

All: 2479.251+/-447.595 χ^2/NDF: 31.3/40

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 2010.073+/-0.838 χ^2/NDF:1505.9/3

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 2014.598+/-1.084 χ^2/NDF:3711.7/1

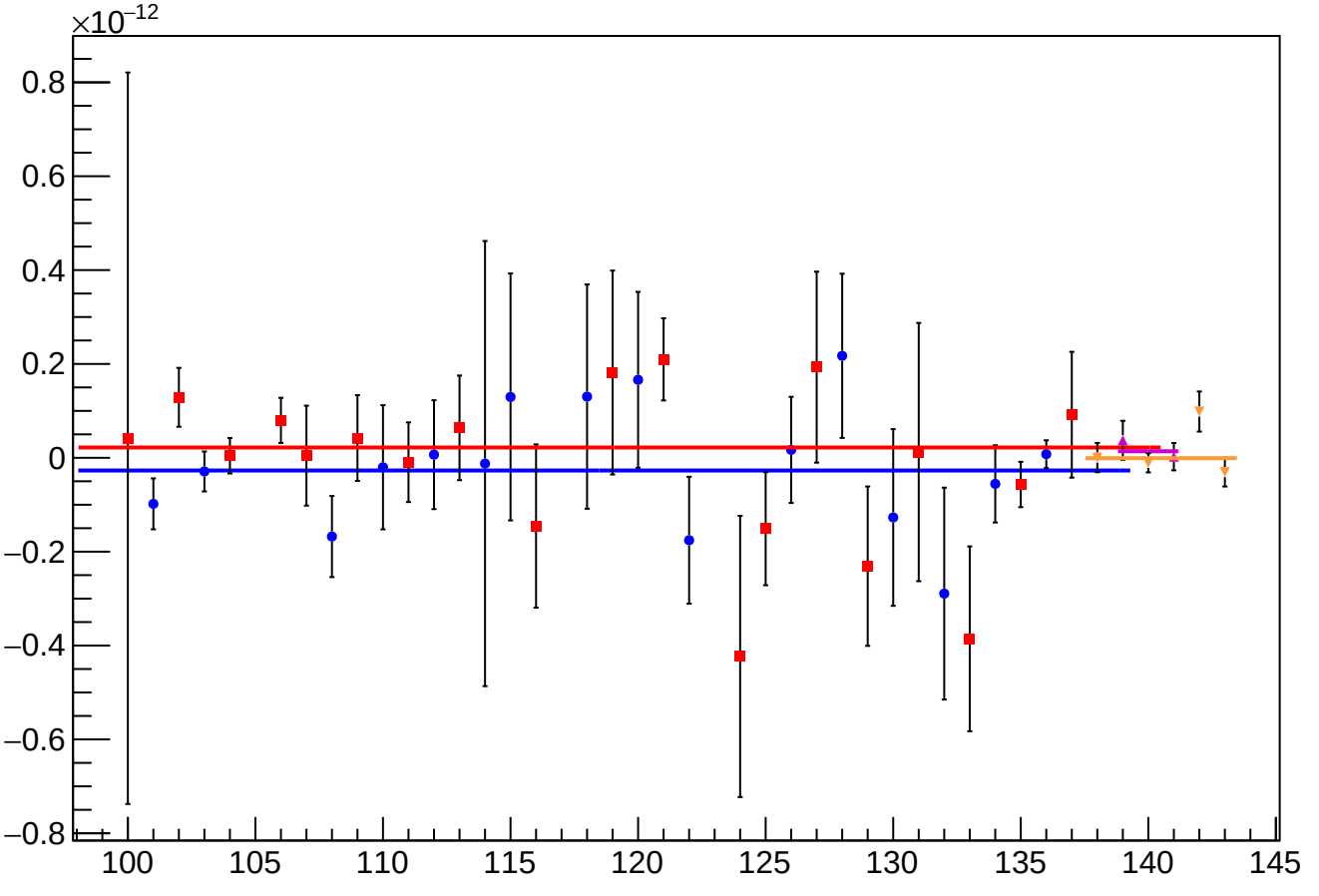
Left: 2011.766+/-0.663 χ^2/NDF: 5228.5/5

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1946.829+/-0.469 χ^2/NDF:669744.6/17

Out: 1924.680+/-0.429 χ^2/NDF:236113.3/22

All: 1934.779+/-0.316 χ^2/NDF: 907072.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

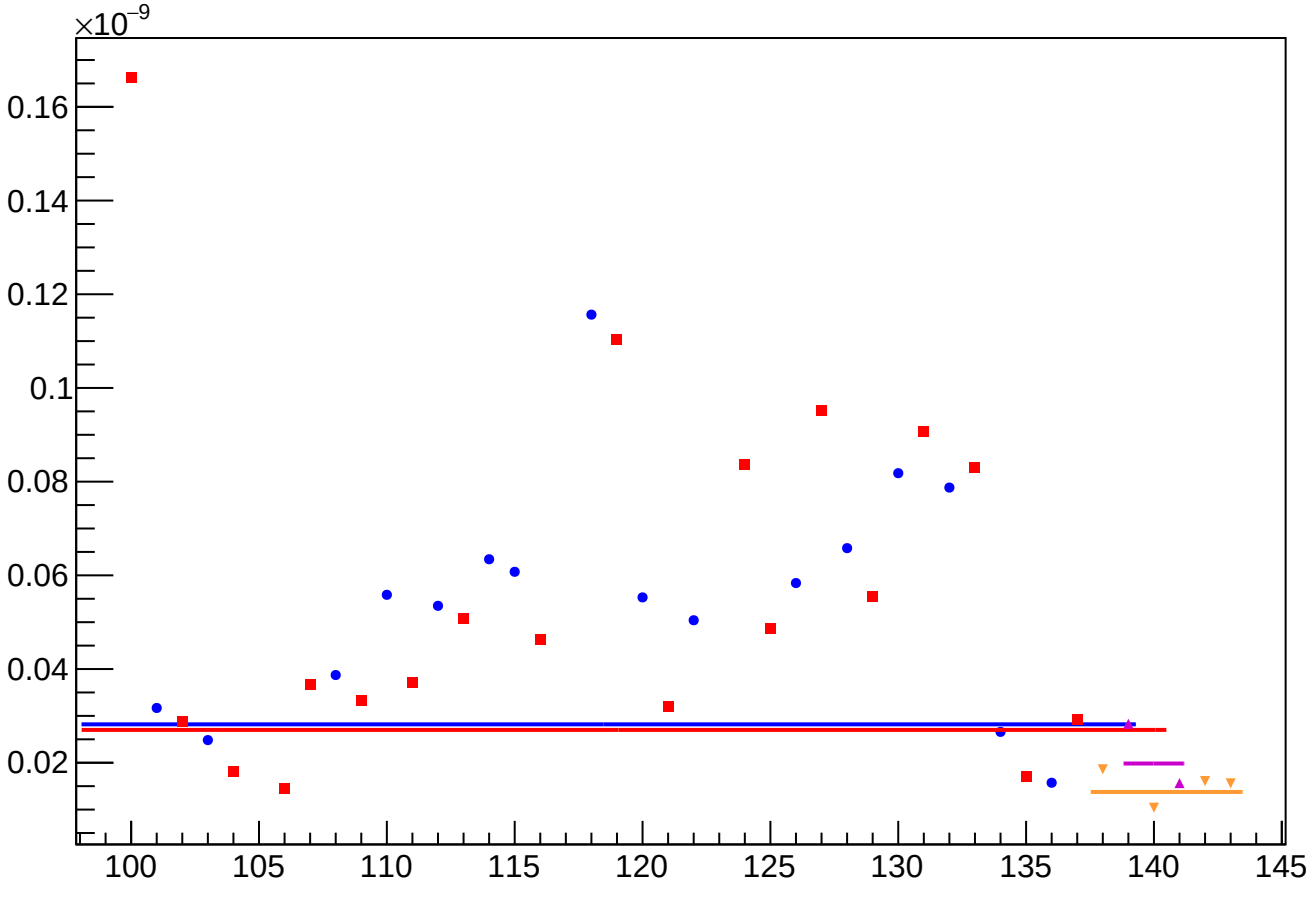
Left: 0.000+/-0.000 χ^2/NDF: 7.3/5

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:32.9/22

All: 0.000+/-0.000 χ^2/NDF: 48.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:115792.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:124426.6/1

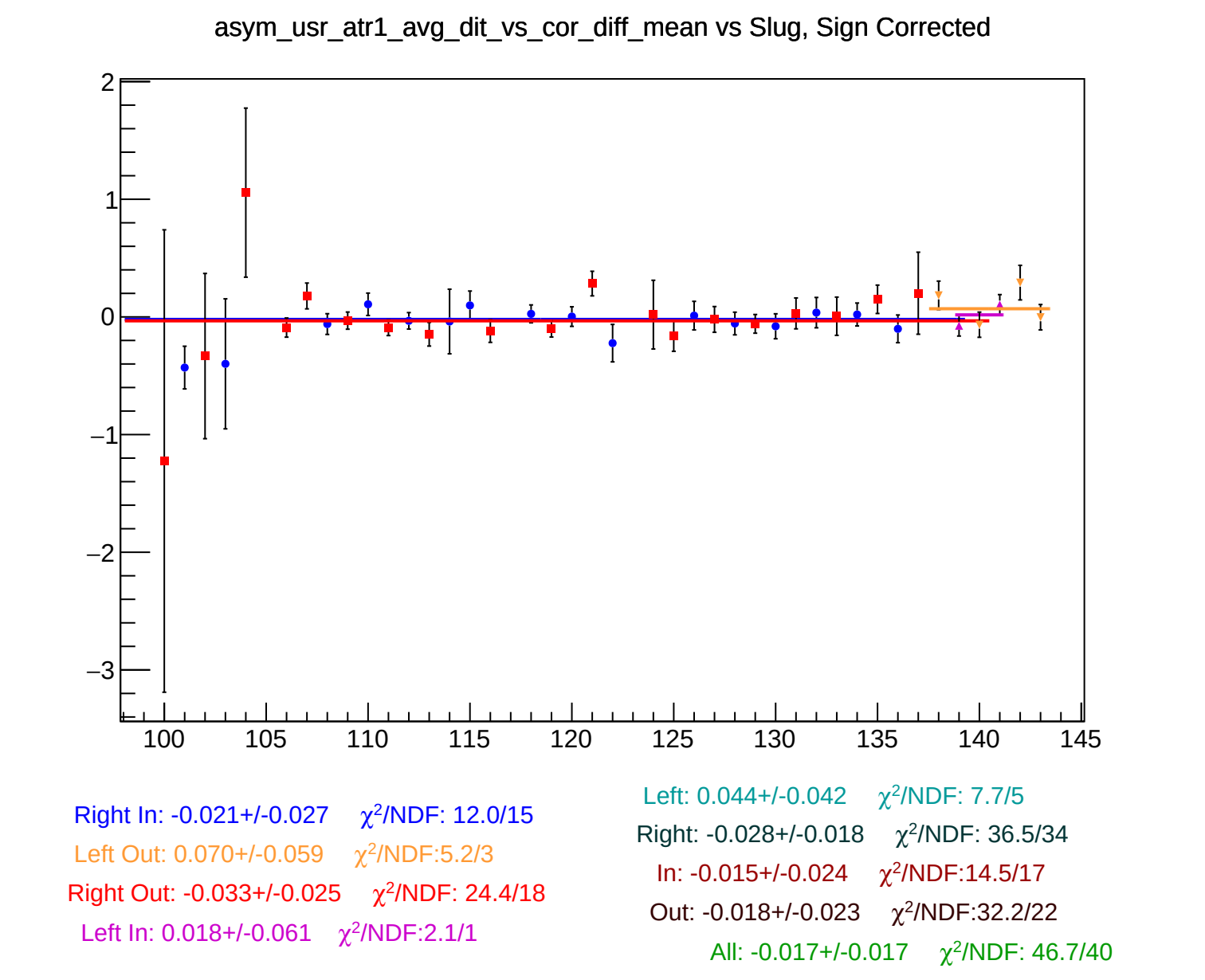
Left: 0.000+/-0.000 χ^2/NDF: 336202.1/5

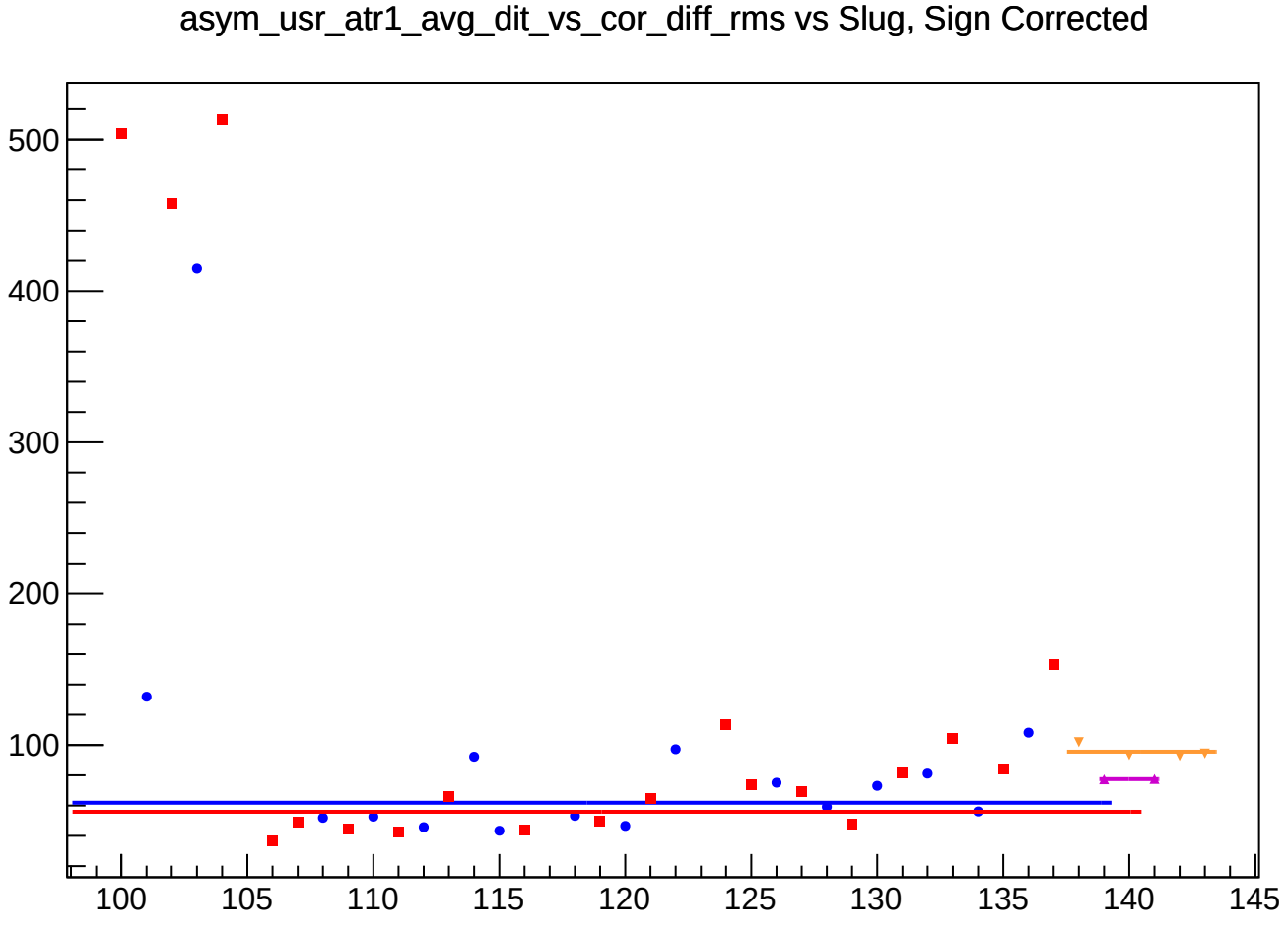
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1764381.3/17

Out: 0.000+/-0.000 χ^2/NDF:2284261.9/22

All: 0.000+/-0.000 χ^2/NDF: 4294240.7/40


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: 0.070+/-0.059 χ²/NDF:5.2/3
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.018+/-0.061 χ²/NDF:2.1/1
Left: 0.044+/-0.042 χ²/NDF: 7.7/5
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.015+/-0.024 χ²/NDF:14.5/17
Out: -0.018+/-0.023 χ²/NDF:32.2/22
All: -0.017+/-0.017 χ²/NDF: 46.7/40



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 95.607+/-0.042 χ^2/NDF:7250.3/3

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: 86.886+/-0.030 χ^2/NDF: 98330.2/5

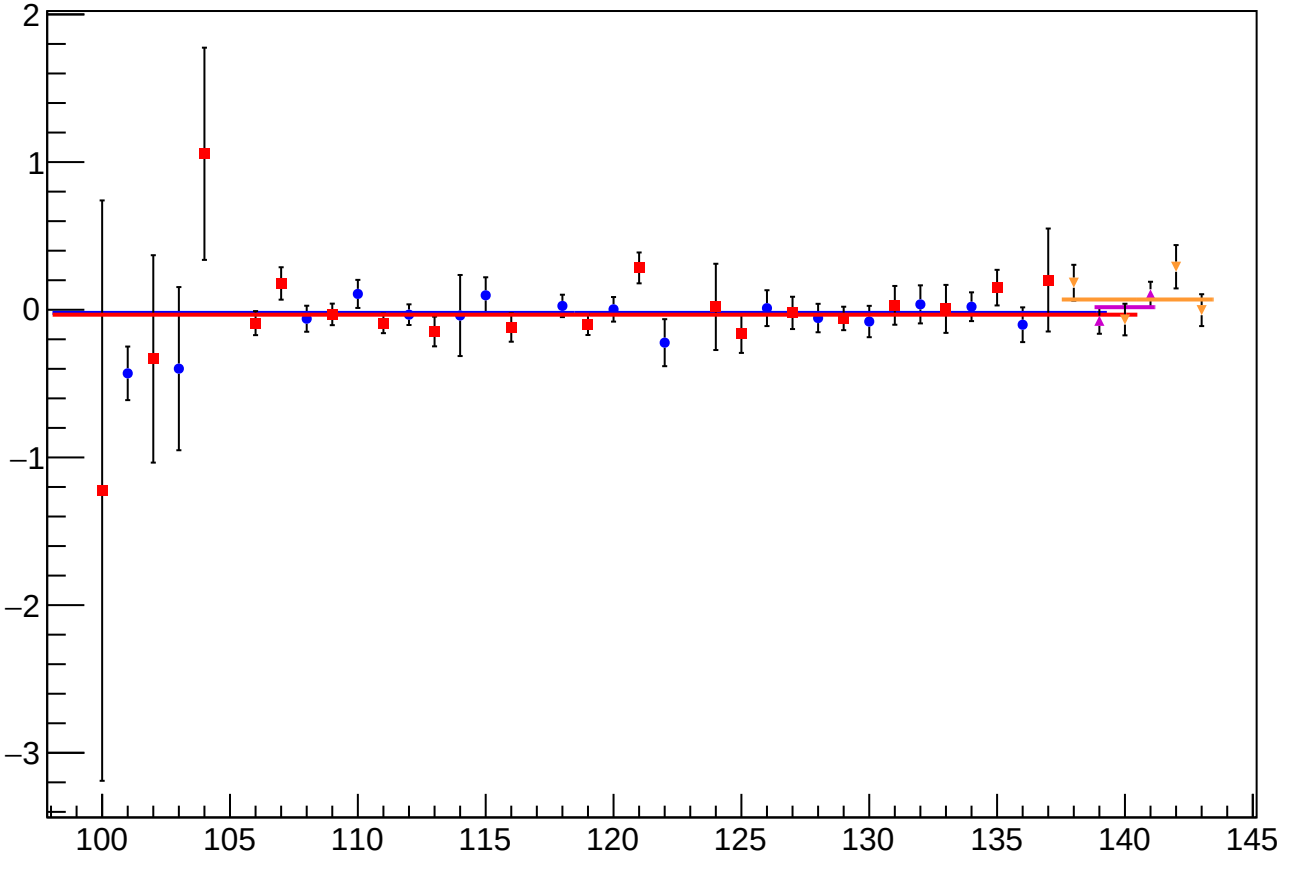
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.346+/-0.017 χ^2/NDF:2047237.4/17

Out: 61.775+/-0.016 χ^2/NDF:3372453.6/22

All: 62.969+/-0.012 χ^2/NDF: 5431618.1/40

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: 0.070+/-0.059 χ^2/NDF:5.2/3

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.018+/-0.061 χ^2/NDF:2.1/1

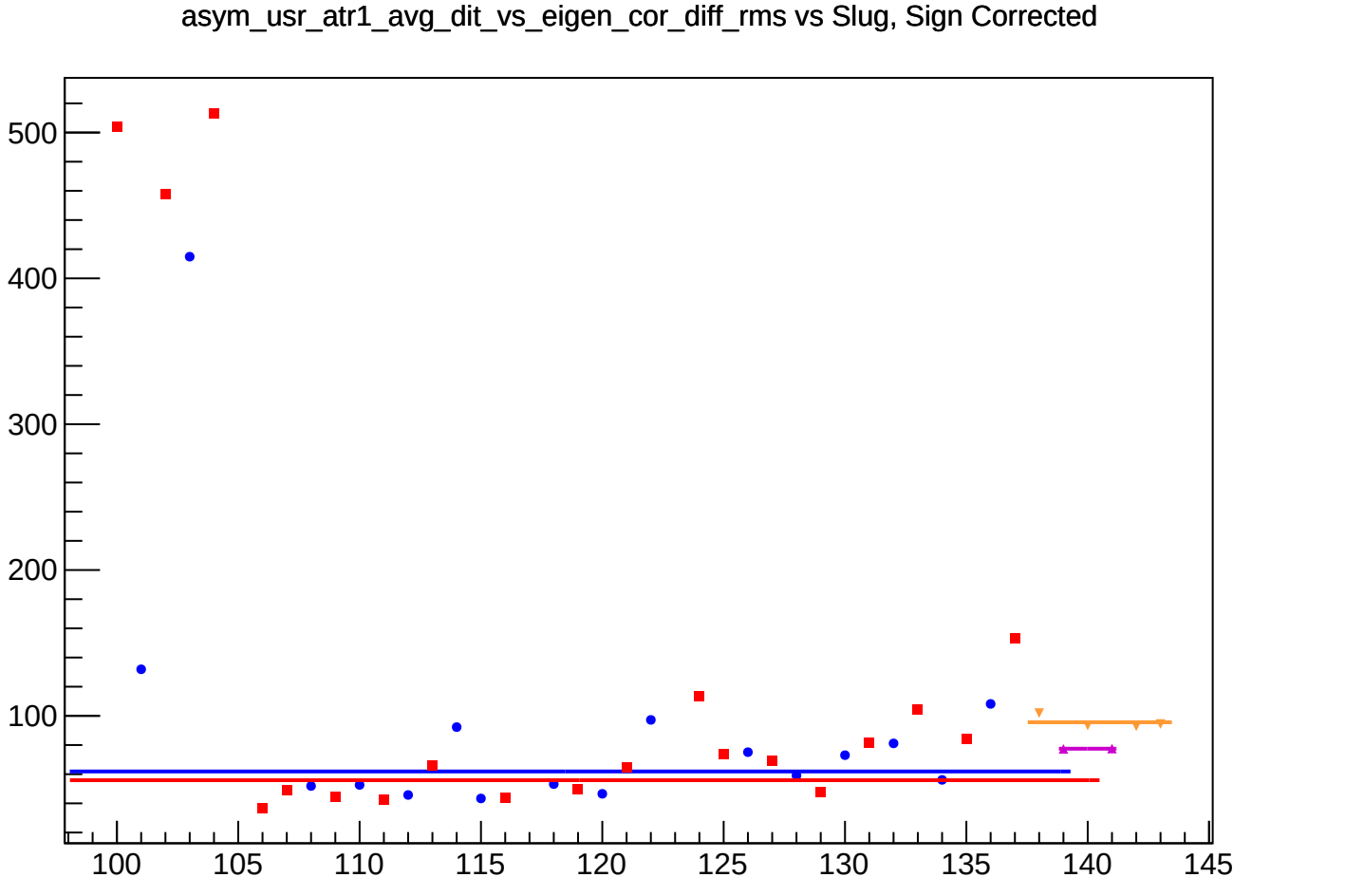
Left: 0.044+/-0.042 χ^2/NDF: 7.7/5

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.017+/-0.017 χ^2/NDF: 46.7/40



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 95.607+/-0.042 χ^2/NDF:7250.3/3

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 77.474+/-0.043 χ^2/NDF:6.9/1

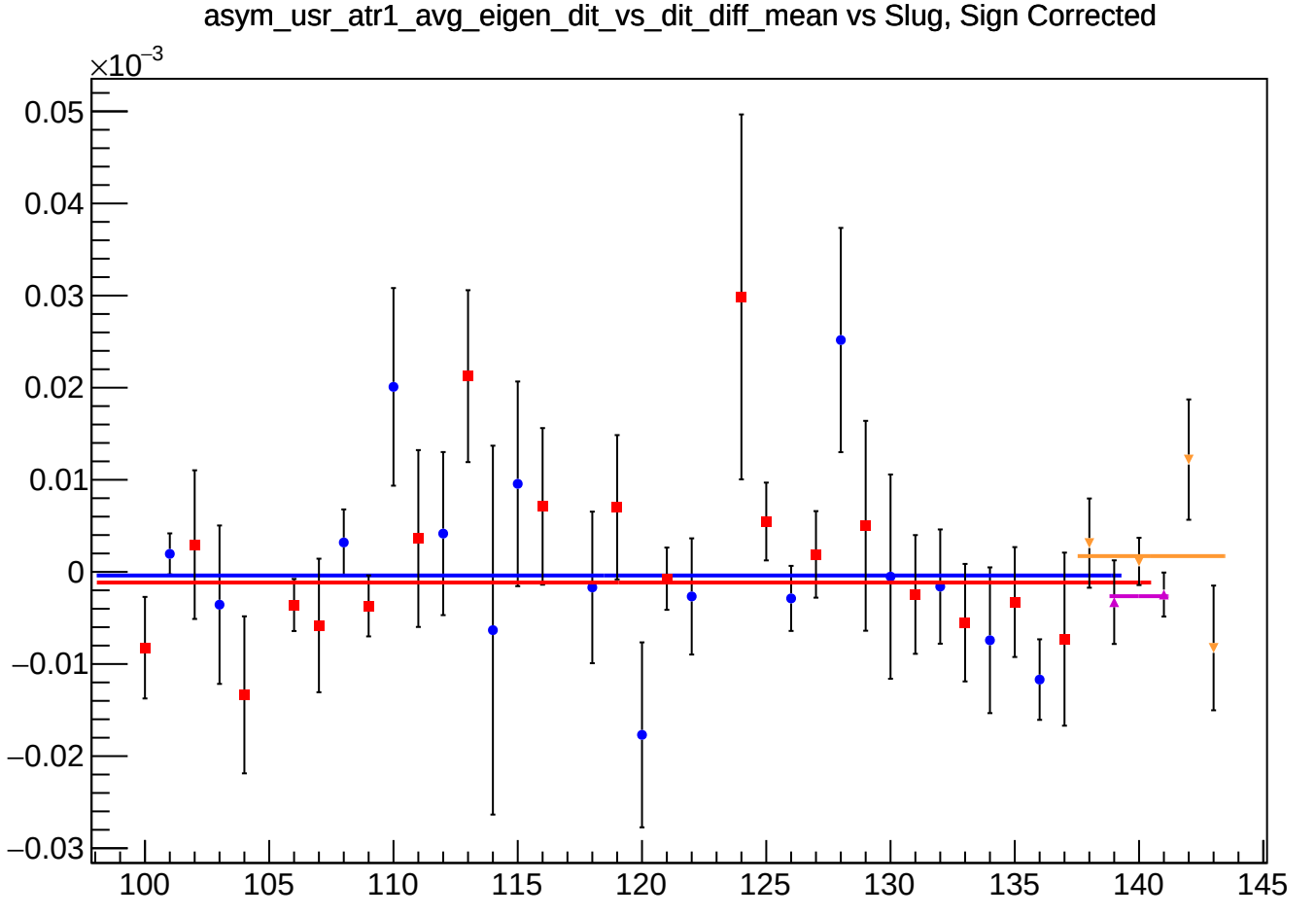
Left: 86.886+/-0.030 χ^2/NDF: 98330.2/5

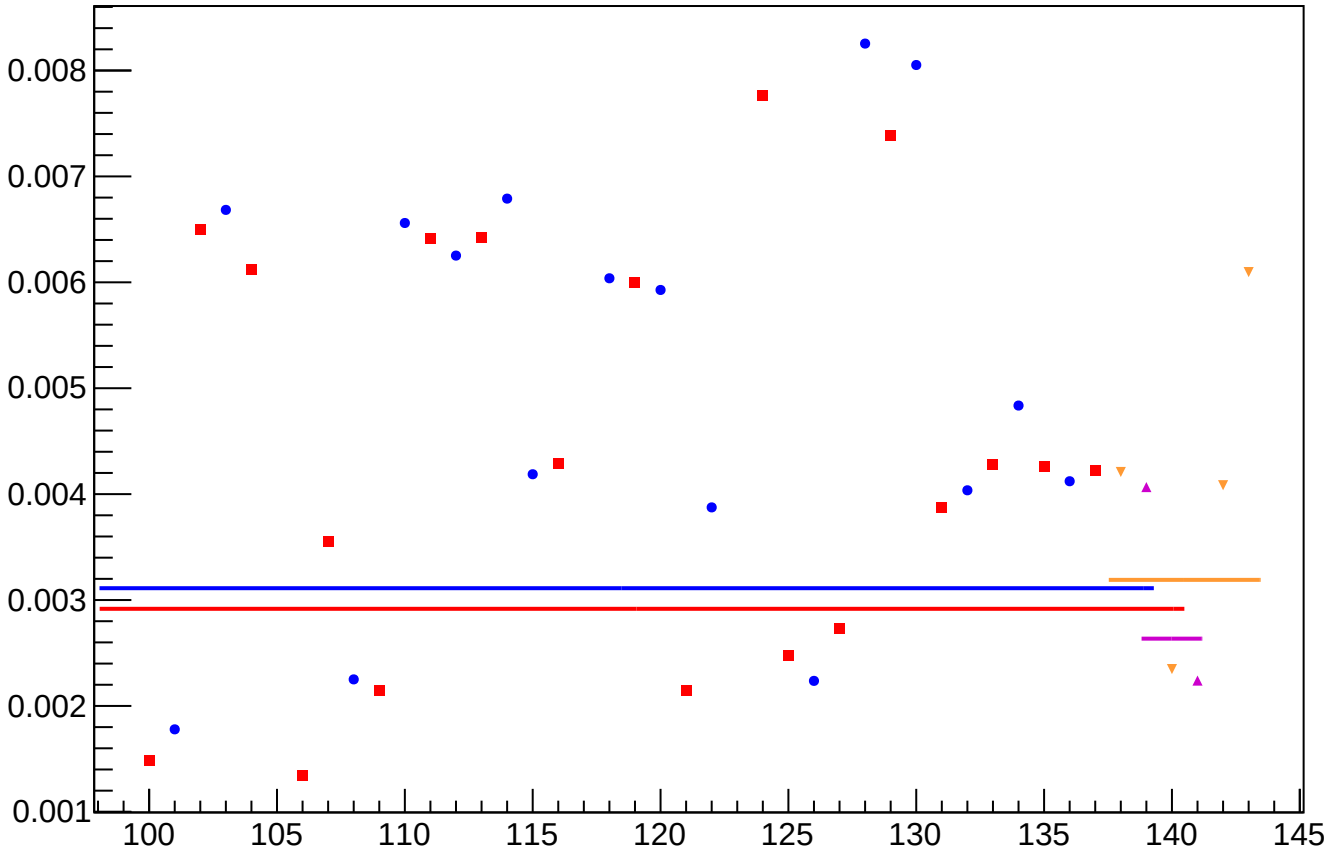
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.346+/-0.017 χ^2/NDF:2047237.4/17

Out: 61.775+/-0.016 χ^2/NDF:3372453.6/22

All: 62.969+/-0.012 χ^2/NDF: 5431618.1/40


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
145
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/3
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: 7.1/5
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:26.8/22
All: -0.000+/-0.000 χ²/NDF: 50.4/40



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:709728.7/3

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: 1034825.3/5

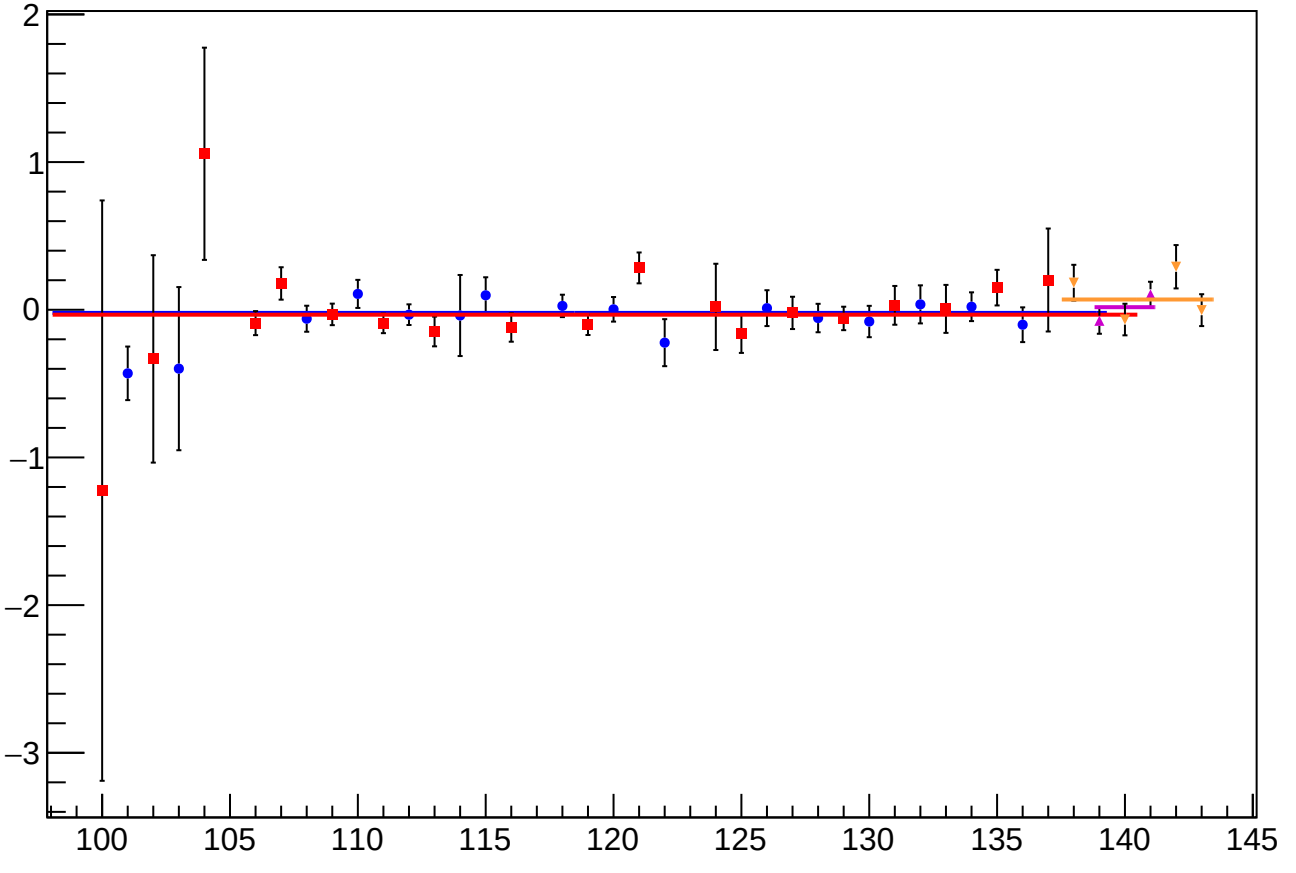
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:3610438.8/17

Out: 0.003+/-0.000 χ^2/NDF:4031240.2/22

All: 0.003+/-0.000 χ^2/NDF: 7641877.3/40

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: 0.070+/-0.059 χ^2/NDF:5.2/3

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: 0.044+/-0.042 χ^2/NDF: 7.7/5

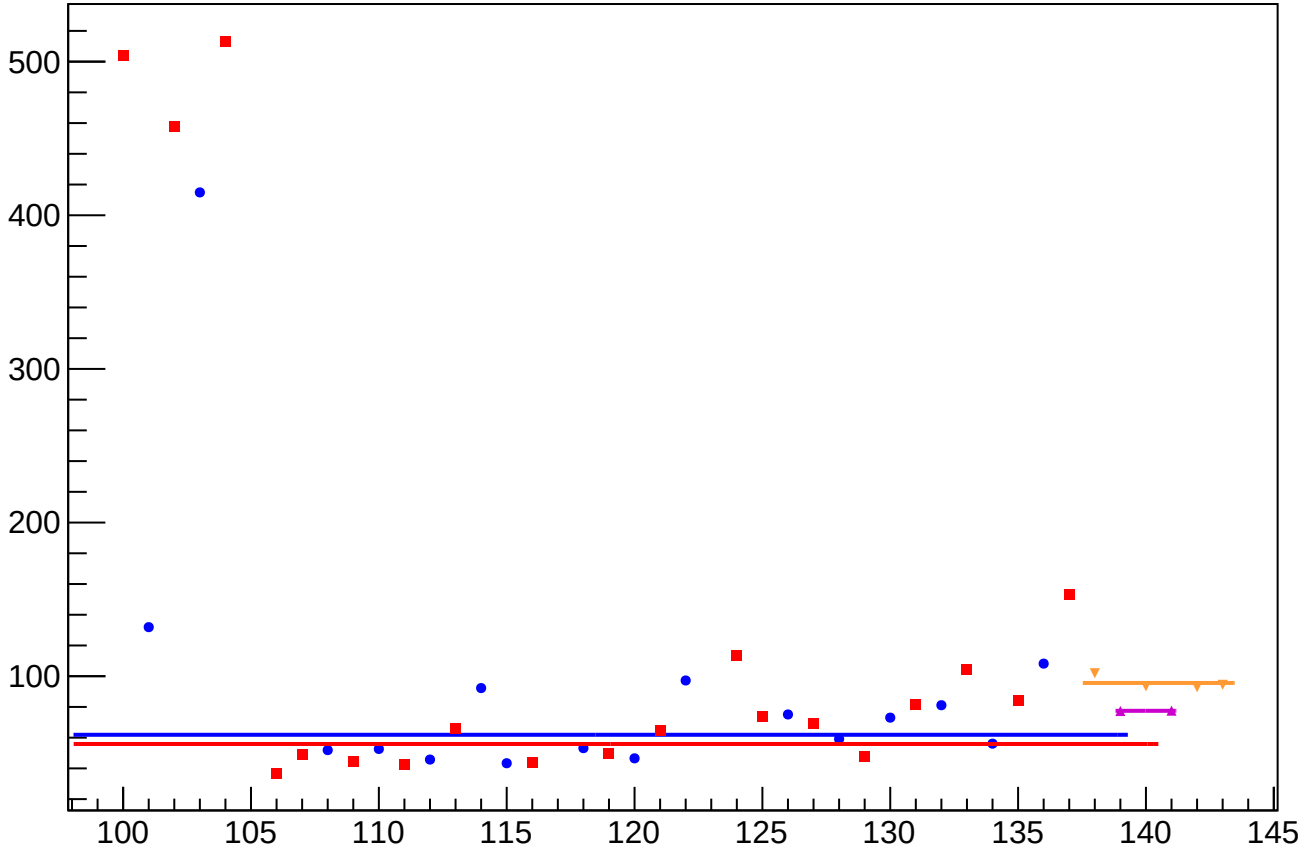
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.017+/-0.017 χ^2/NDF: 46.7/40

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 95.608+/-0.042 χ^2/NDF:7250.8/3

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: 86.887+/-0.030 χ^2/NDF: 98330.9/5

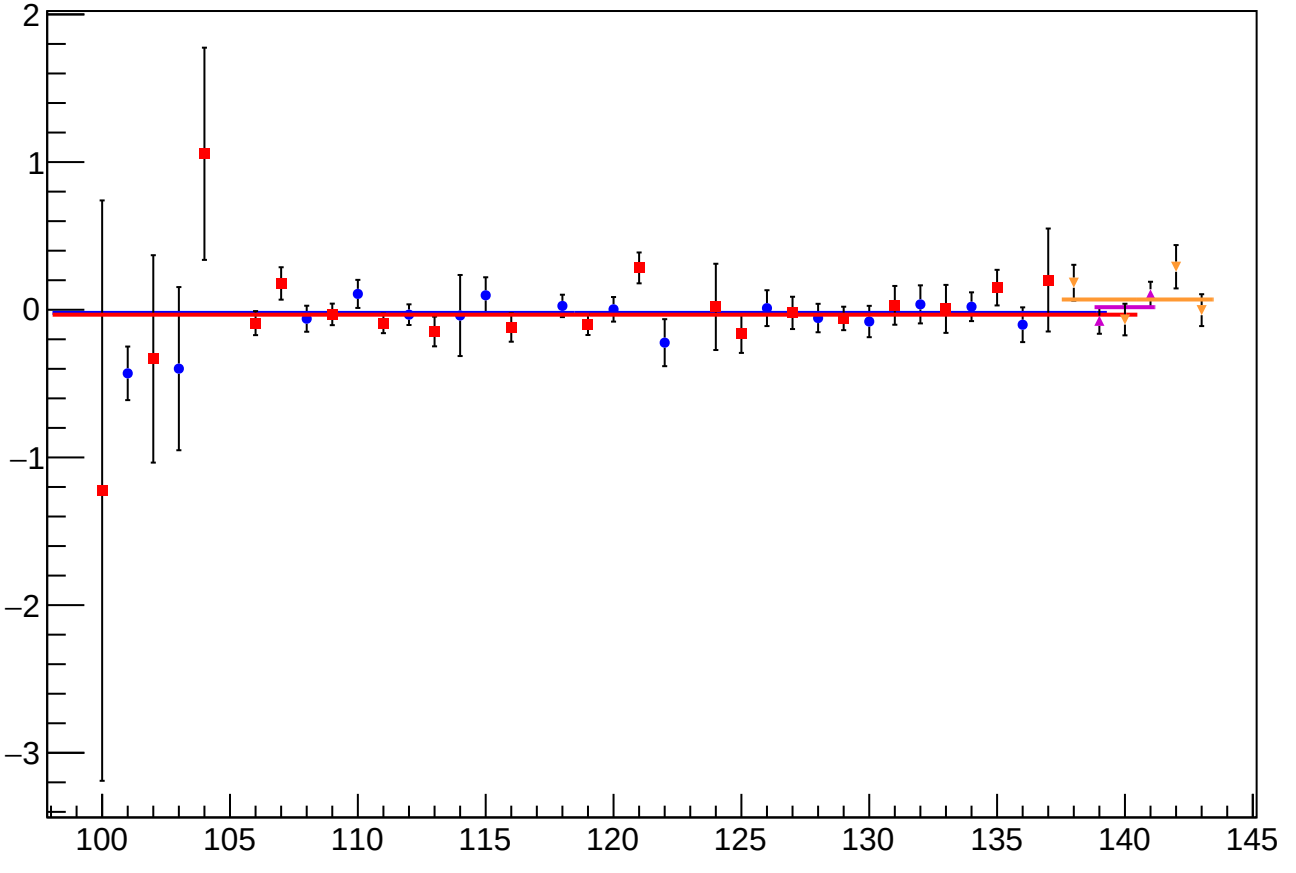
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.346+/-0.017 χ^2/NDF:2047200.1/17

Out: 61.775+/-0.016 χ^2/NDF:3372454.5/22

All: 62.969+/-0.012 χ^2/NDF: 5431584.2/40

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: 0.070+/-0.059 χ^2/NDF:5.2/3

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: 0.044+/-0.042 χ^2/NDF: 7.7/5

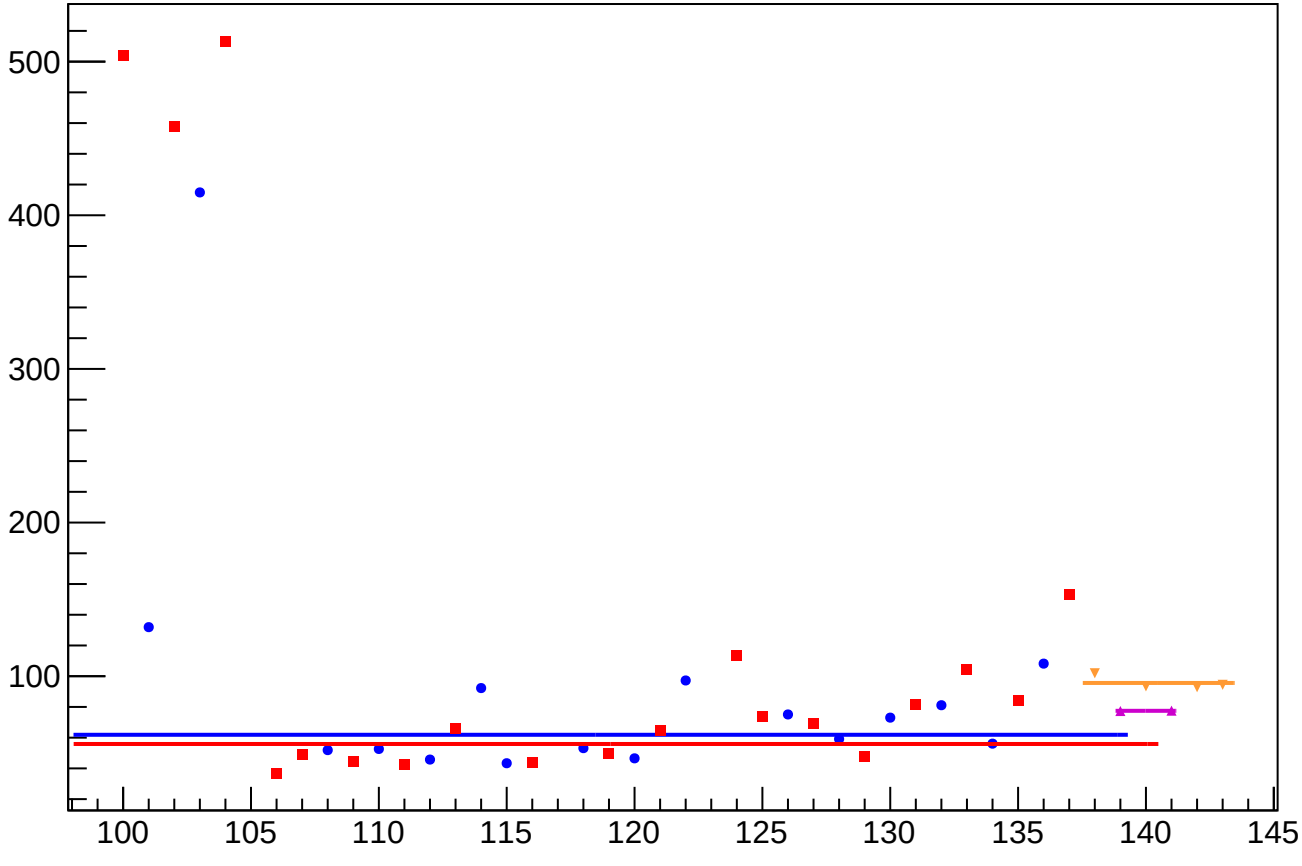
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.024 χ^2/NDF:14.5/17

Out: -0.018+/-0.023 χ^2/NDF:32.2/22

All: -0.017+/-0.017 χ^2/NDF: 46.7/40

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 95.608+/-0.042 χ^2/NDF:7250.8/3

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 77.475+/-0.043 χ^2/NDF:6.8/1

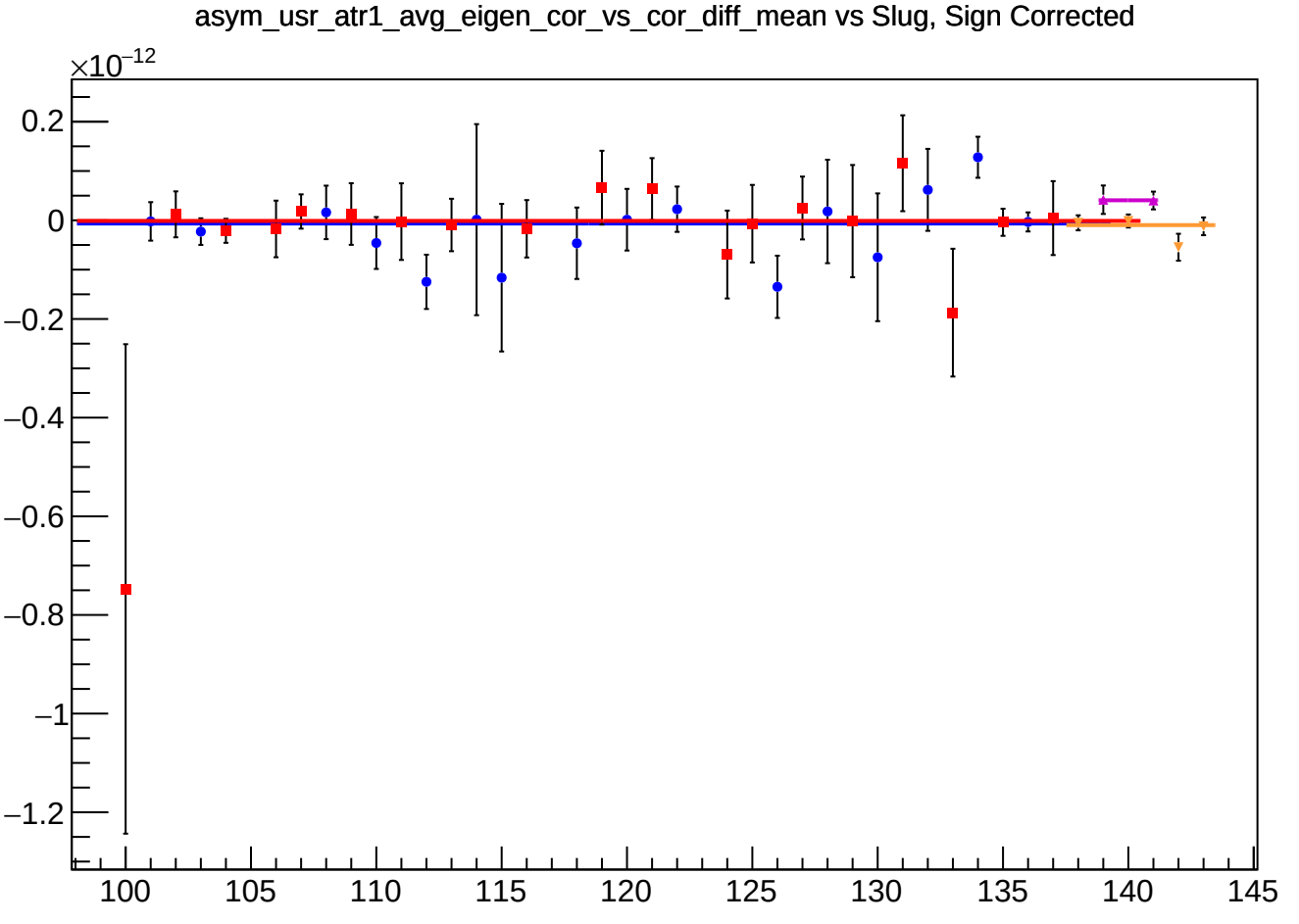
Left: 86.887+/-0.030 χ^2/NDF: 98330.9/5

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.346+/-0.017 χ^2/NDF:2047200.1/17

Out: 61.775+/-0.016 χ^2/NDF:3372454.5/22

All: 62.969+/-0.012 χ^2/NDF: 5431584.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

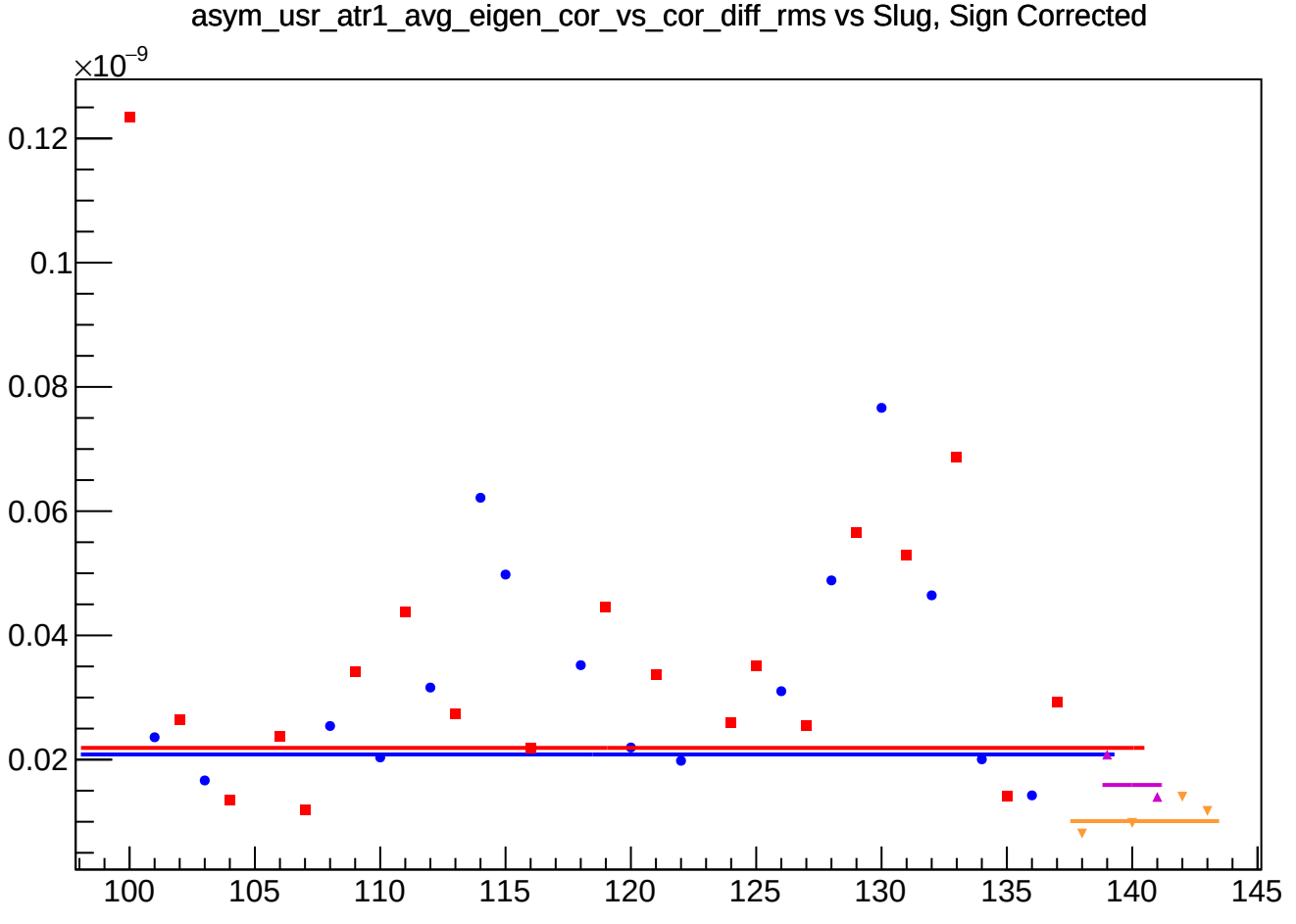
Left: 0.000+/-0.000 χ^2/NDF: 11.6/5

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:13.3/22

All: -0.000+/-0.000 χ^2/NDF: 44.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:93541.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:80001.9/1

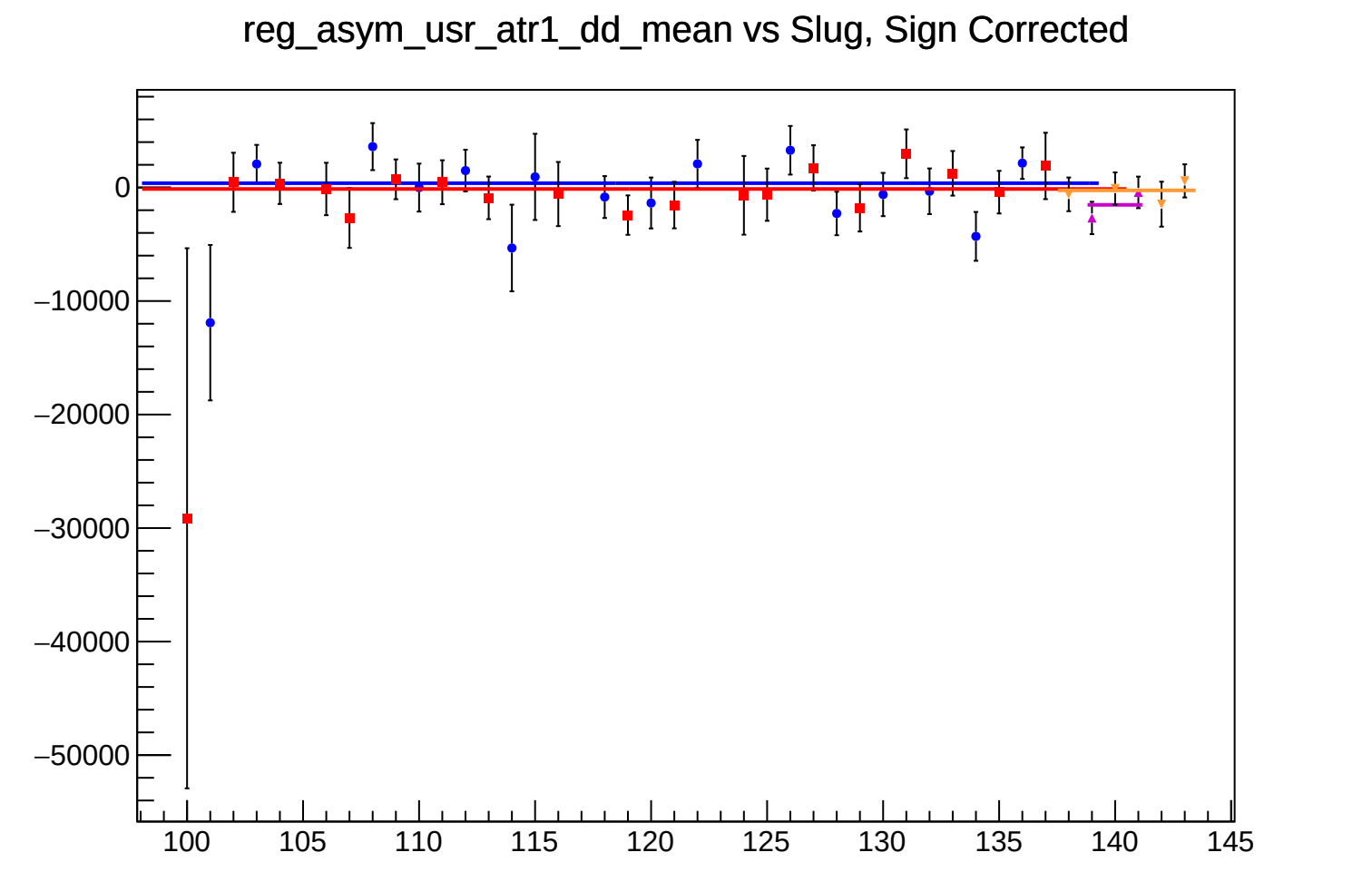
Left: 0.000+/-0.000 χ^2/NDF: 397039.3/5

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:3318953.3/22

All: 0.000+/-0.000 χ^2/NDF: 5325560.1/40



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.480+/-773.273 χ^2/NDF:0.8/3

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -1526.990+/-994.584 χ^2/NDF:1.3/1

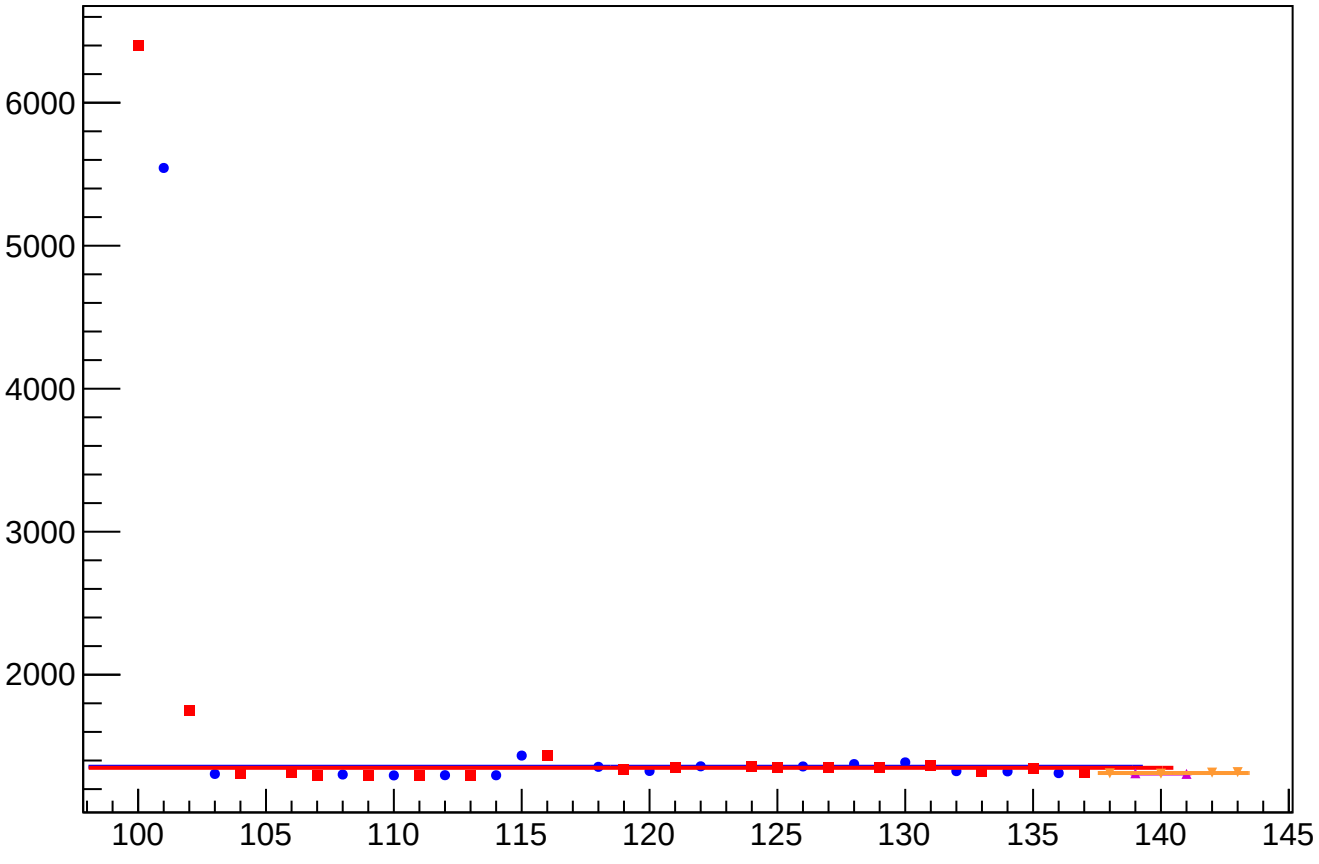
Left: -731.400+/-610.472 χ^2/NDF: 3.1/5

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -25.540+/-459.277 χ^2/NDF:25.7/17

Out: -164.161+/-420.457 χ^2/NDF:10.8/22

All: -100.956+/-310.125 χ^2/NDF: 36.5/40



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

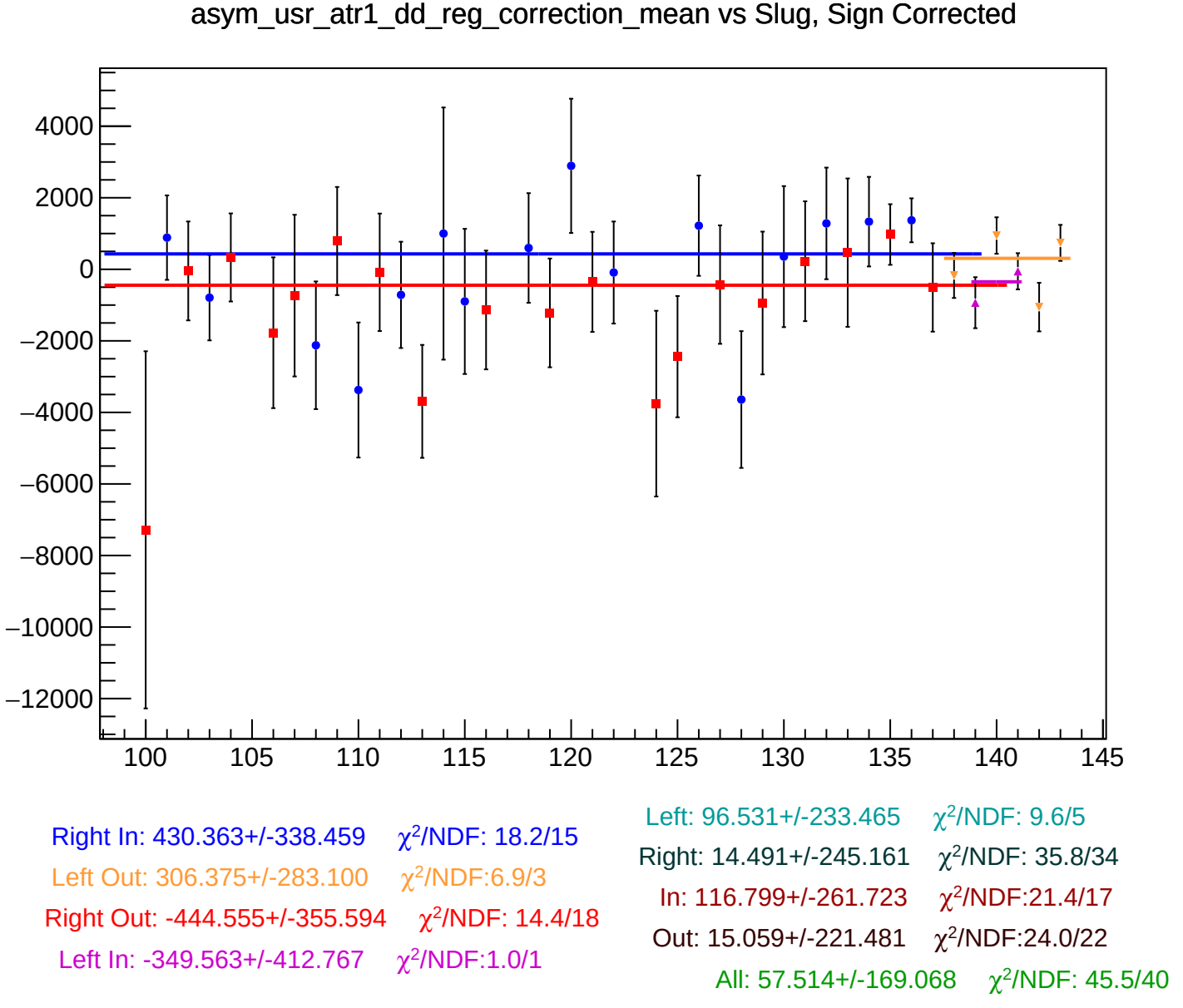
Left: 1311.159+/-0.432 χ^2/NDF: 91.4/5

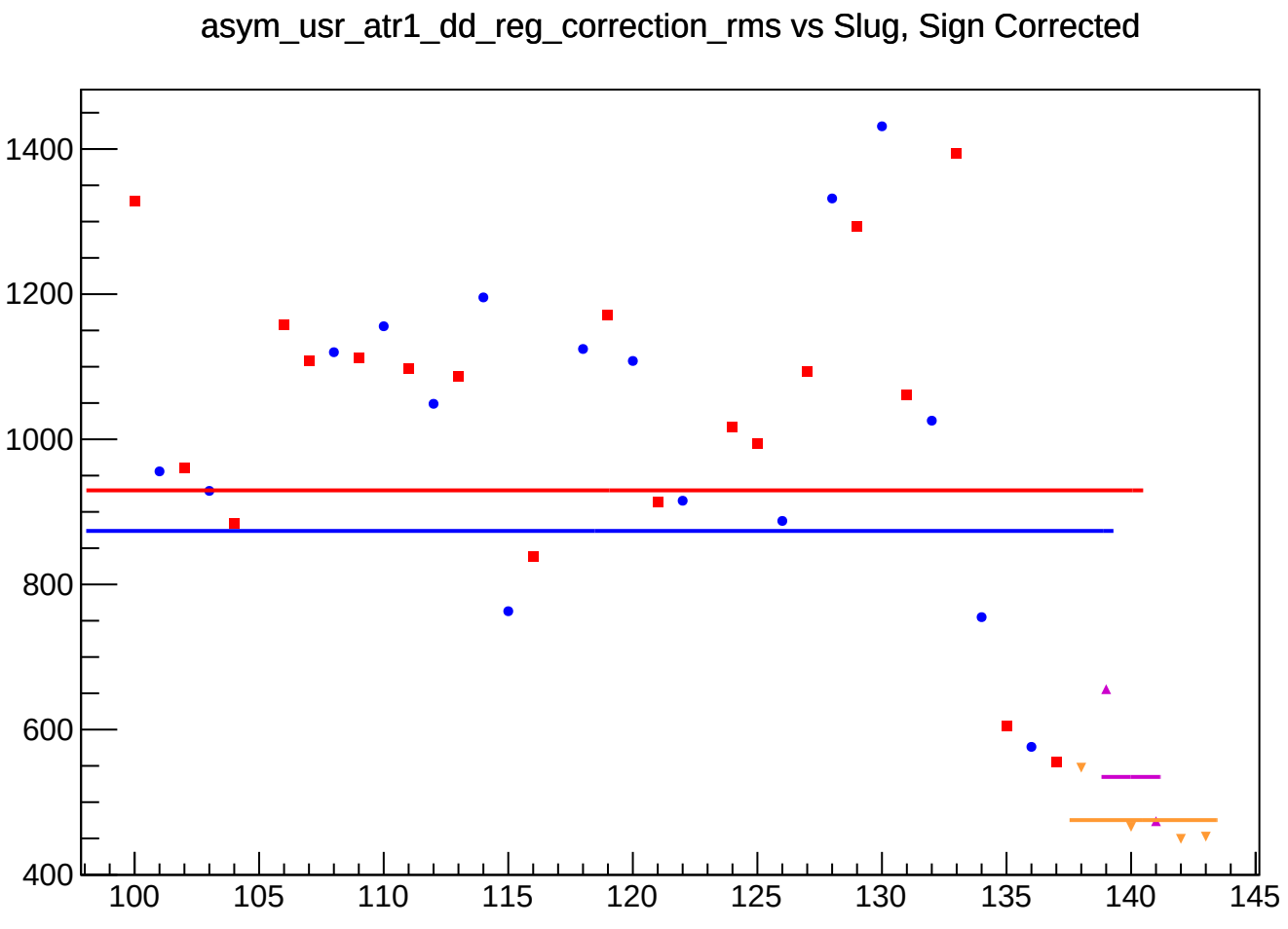
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1346.259+/-0.325 χ^2/NDF:763872.1/17

Out: 1338.207+/-0.297 χ^2/NDF:150454.9/22

All: 1341.878+/-0.219 χ^2/NDF: 914661.4/40


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
145
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 306.375+/-283.100 χ²/NDF:6.9/3
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: -349.563+/-412.767 χ²/NDF:1.0/1
Left: 96.531+/-233.465 χ²/NDF: 9.6/5
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 116.799+/-261.723 χ²/NDF:21.4/17
Out: 15.059+/-221.481 χ²/NDF:24.0/22
All: 57.514+/-169.068 χ²/NDF: 45.5/40



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 475.289+/-0.200 χ^2/NDF:33968.6/3

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 534.769+/-0.292 χ^2/NDF:86570.0/1

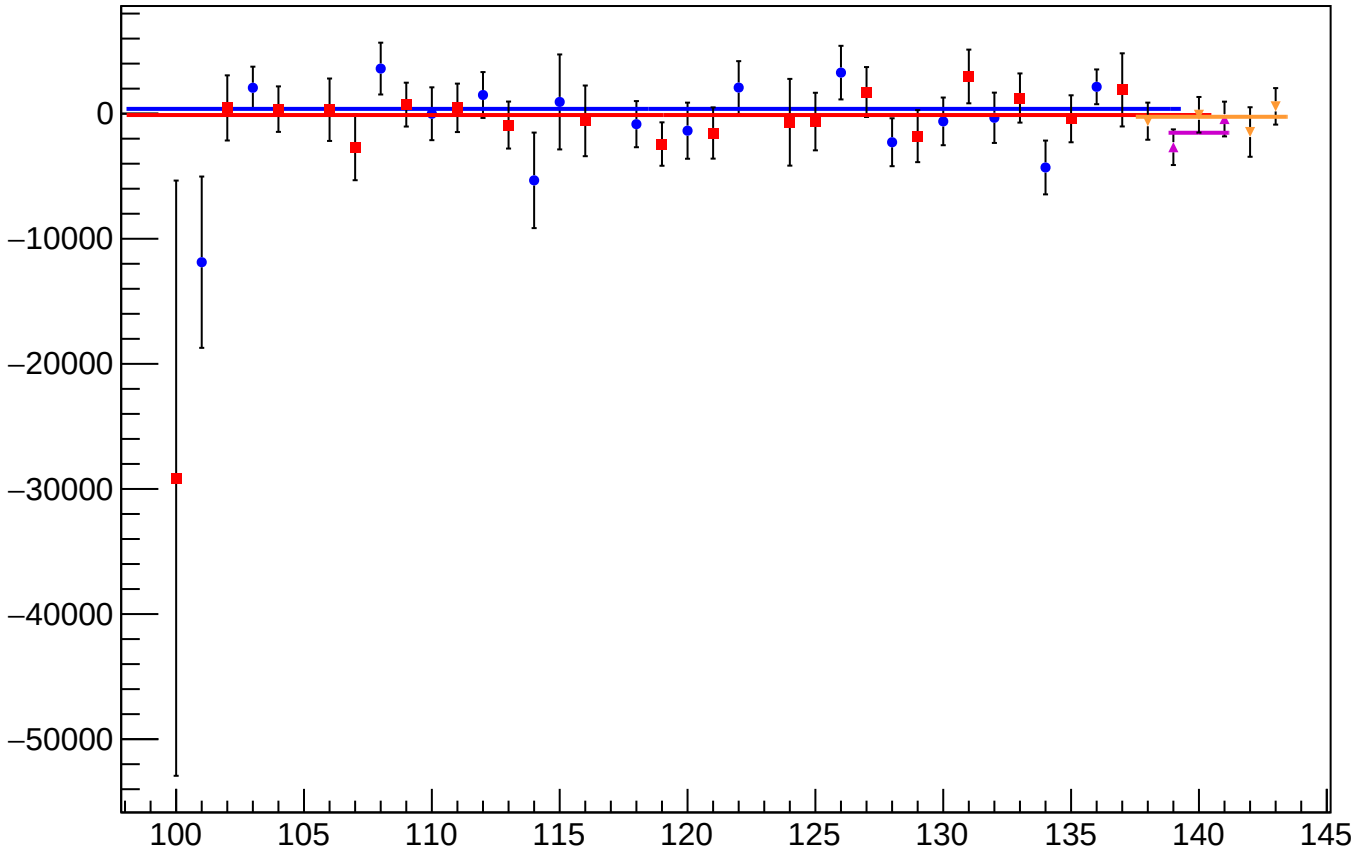
Left: 494.317+/-0.165 χ^2/NDF: 148783.2/5

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 737.454+/-0.185 χ^2/NDF:1907915.0/17

Out: 651.549+/-0.157 χ^2/NDF:2892345.1/22

All: 687.397+/-0.120 χ^2/NDF: 4925817.8/40



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.630+/-773.273 χ^2/NDF:0.8/3

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: -731.556+/-610.472 χ^2/NDF: 3.1/5

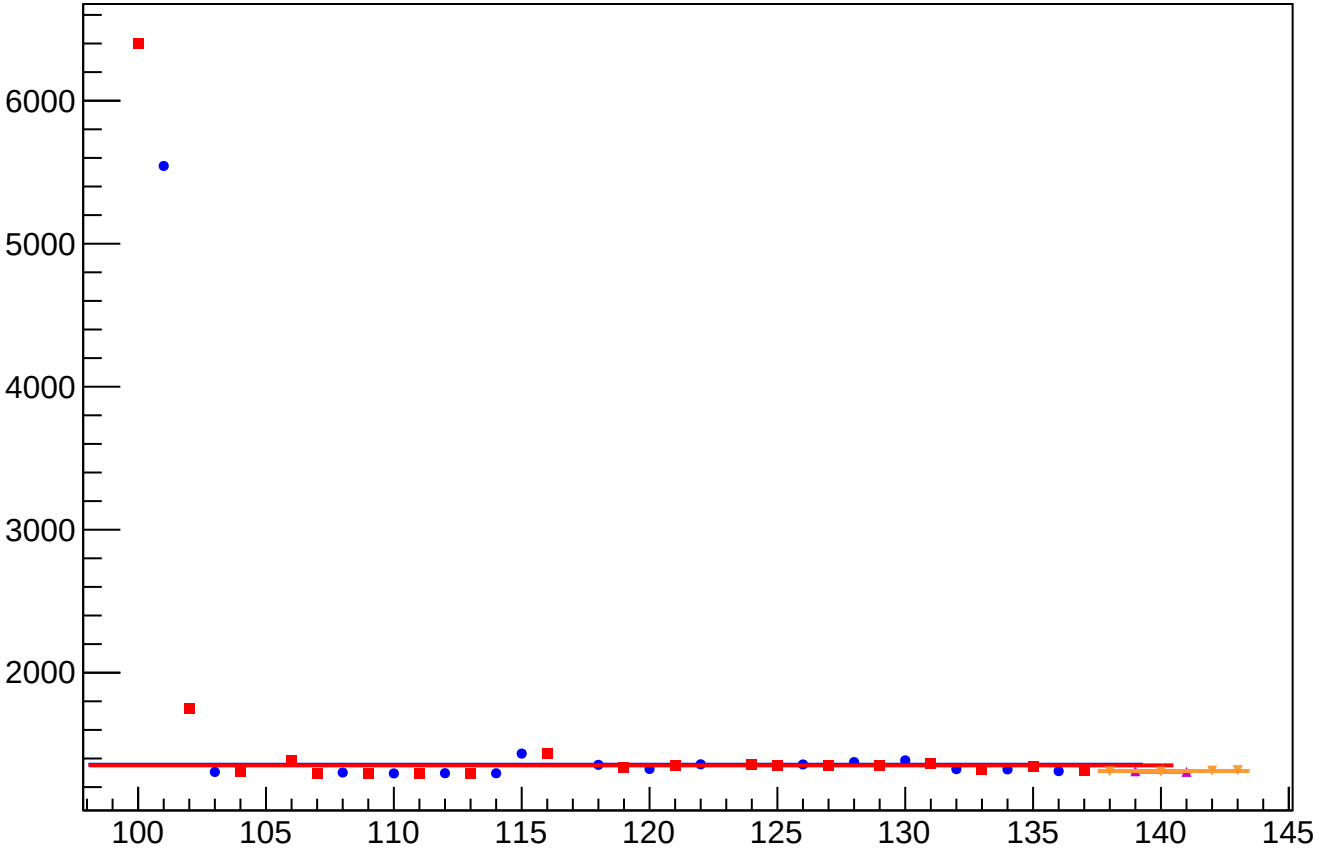
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -25.333+/-459.277 χ^2/NDF:25.7/17

Out: -151.974+/-421.467 χ^2/NDF:10.8/22

All: -94.080+/-310.530 χ^2/NDF: 36.5/40

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

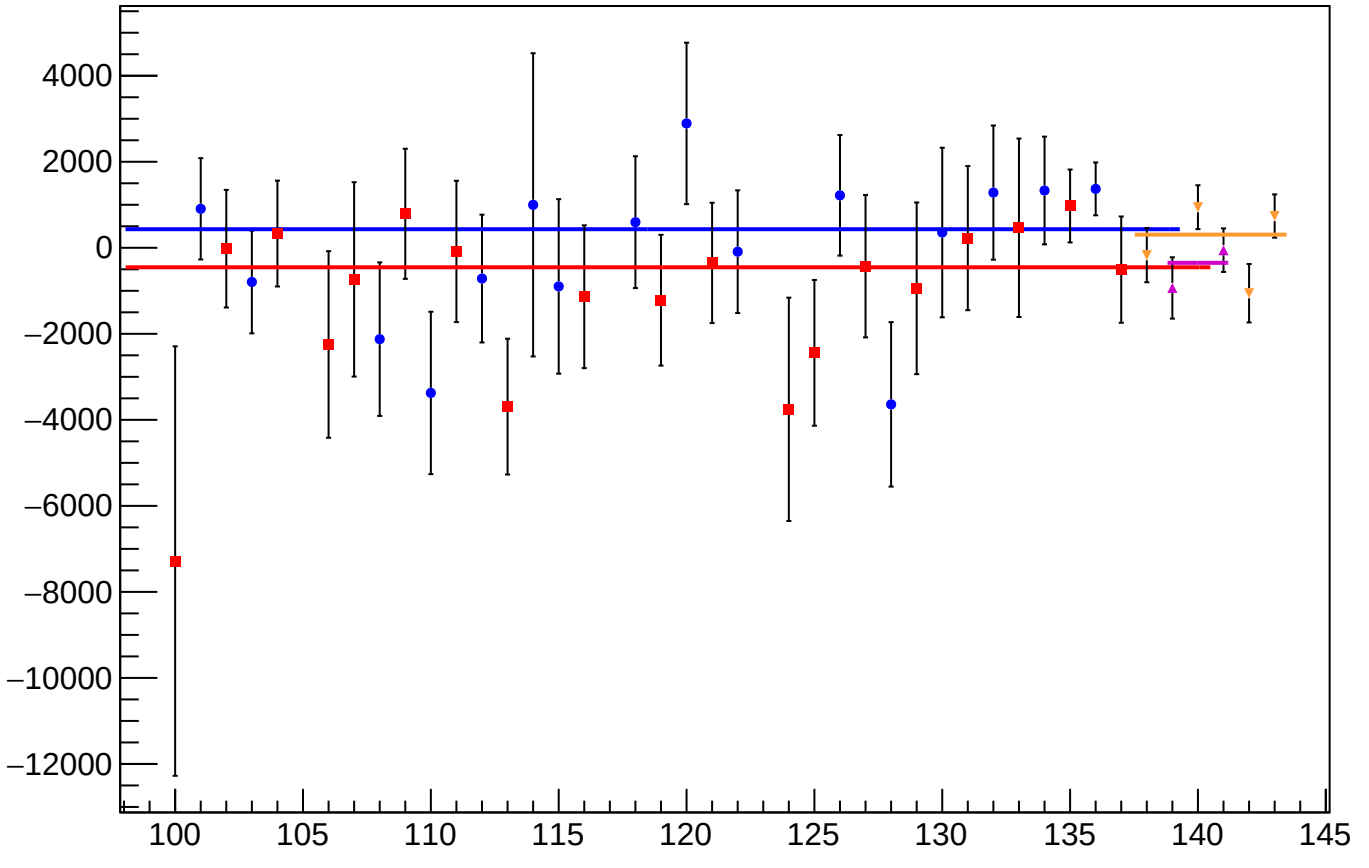
Left: 1311.159+/-0.432 χ^2/NDF: 91.4/5

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1346.259+/-0.325 χ^2/NDF:763871.1/17

Out: 1340.340+/-0.298 χ^2/NDF:151064.7/22

All: 1343.046+/-0.220 χ^2/NDF: 915116.1/40



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 306.262+/-283.103 χ^2/NDF:6.9/3

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -349.563+/-412.752 χ^2/NDF:1.0/1

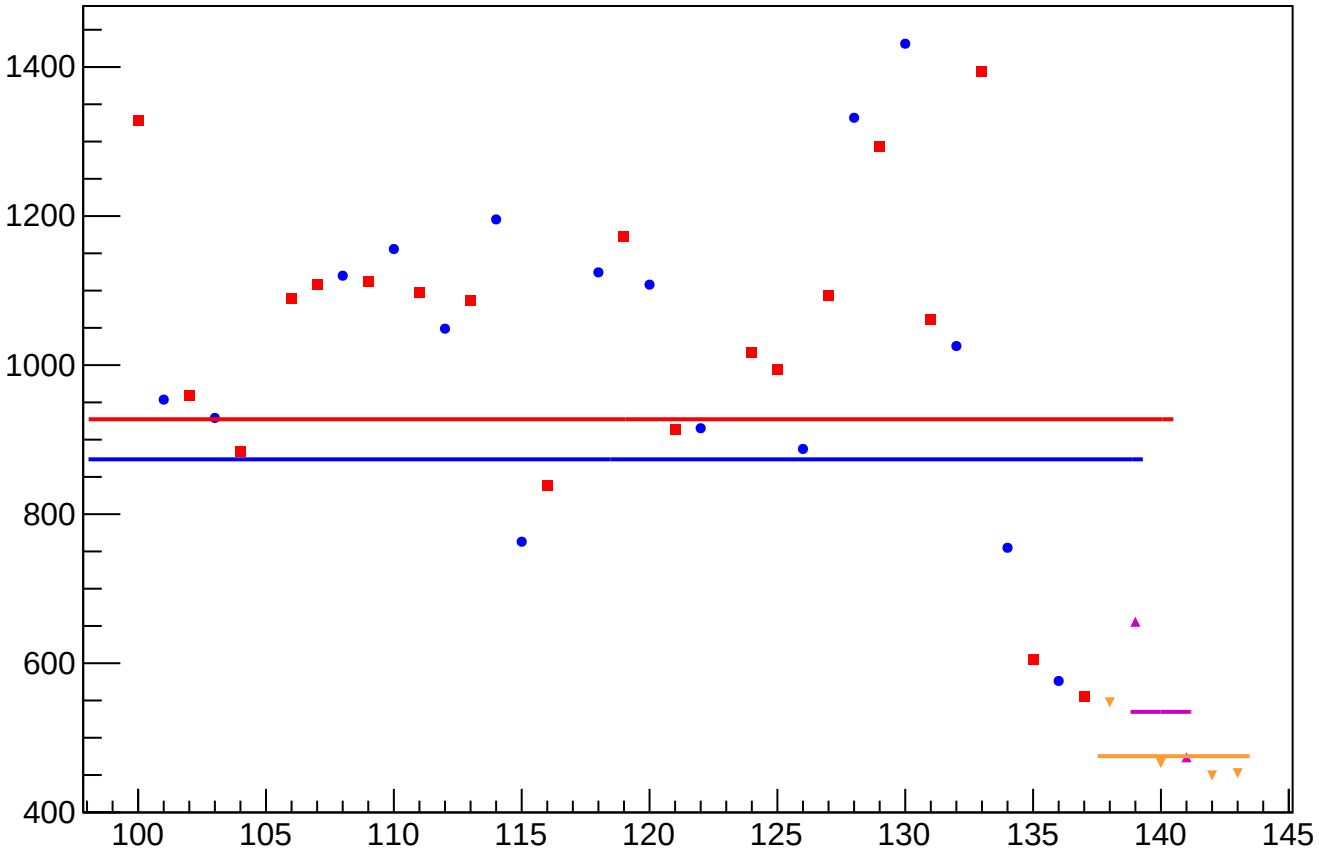
Left: 96.440+/-233.464 χ^2/NDF: 9.6/5

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 117.908+/-261.693 χ^2/NDF:21.4/17

Out: 11.699+/-221.484 χ^2/NDF:24.4/22

All: 56.026+/-169.061 χ^2/NDF: 45.9/40



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 475.295+/-0.200 χ^2/NDF:33973.6/3

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 534.750+/-0.292 χ^2/NDF:86573.2/1

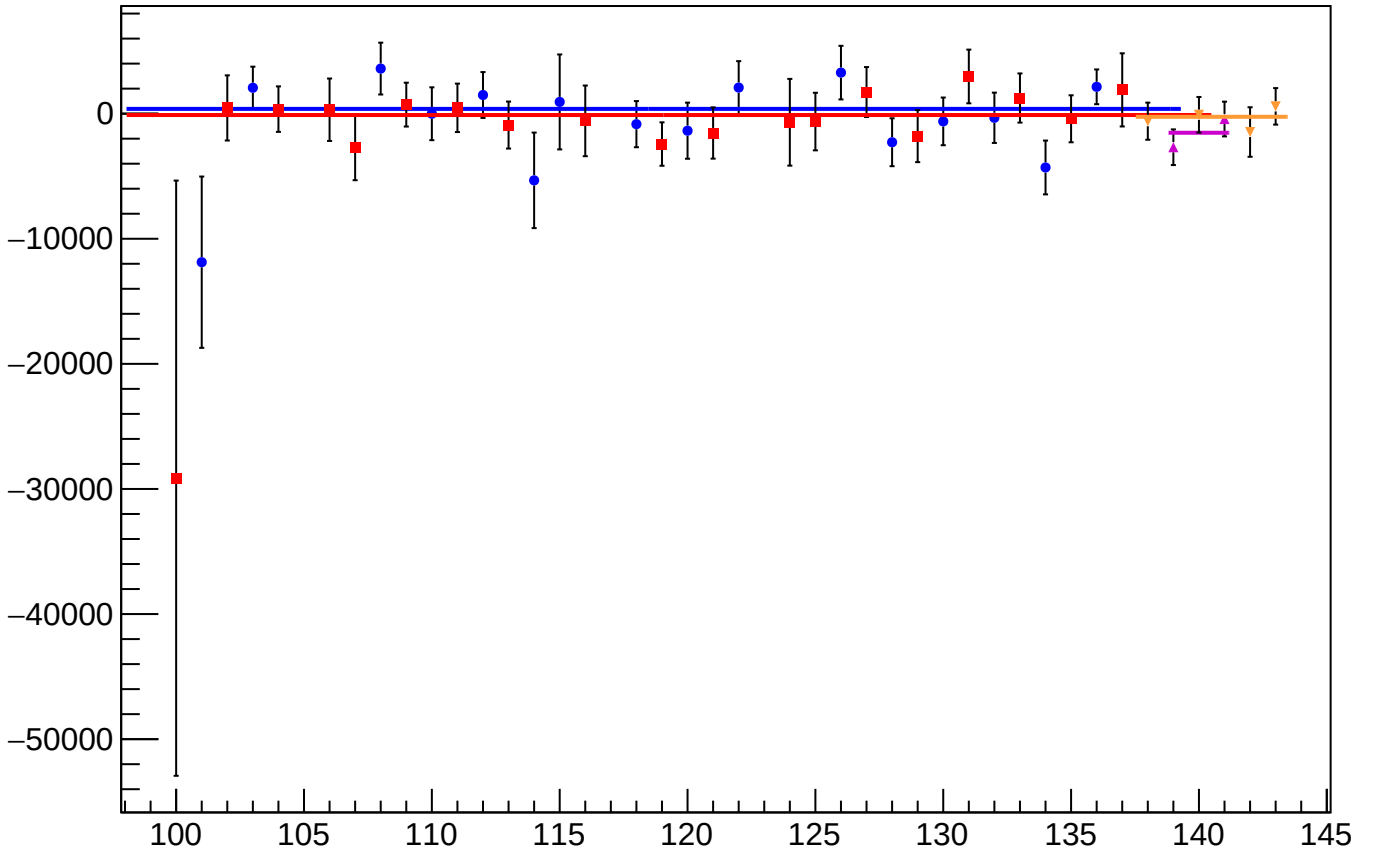
Left: 494.316+/-0.165 χ^2/NDF: 148768.3/5

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 737.393+/-0.185 χ^2/NDF:1907096.6/17

Out: 650.687+/-0.157 χ^2/NDF:2860130.0/22

All: 686.874+/-0.120 χ^2/NDF: 4895149.6/40



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -250.630+/-773.273 χ^2/NDF:0.8/3

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -1527.157+/-994.584 χ^2/NDF:1.3/1

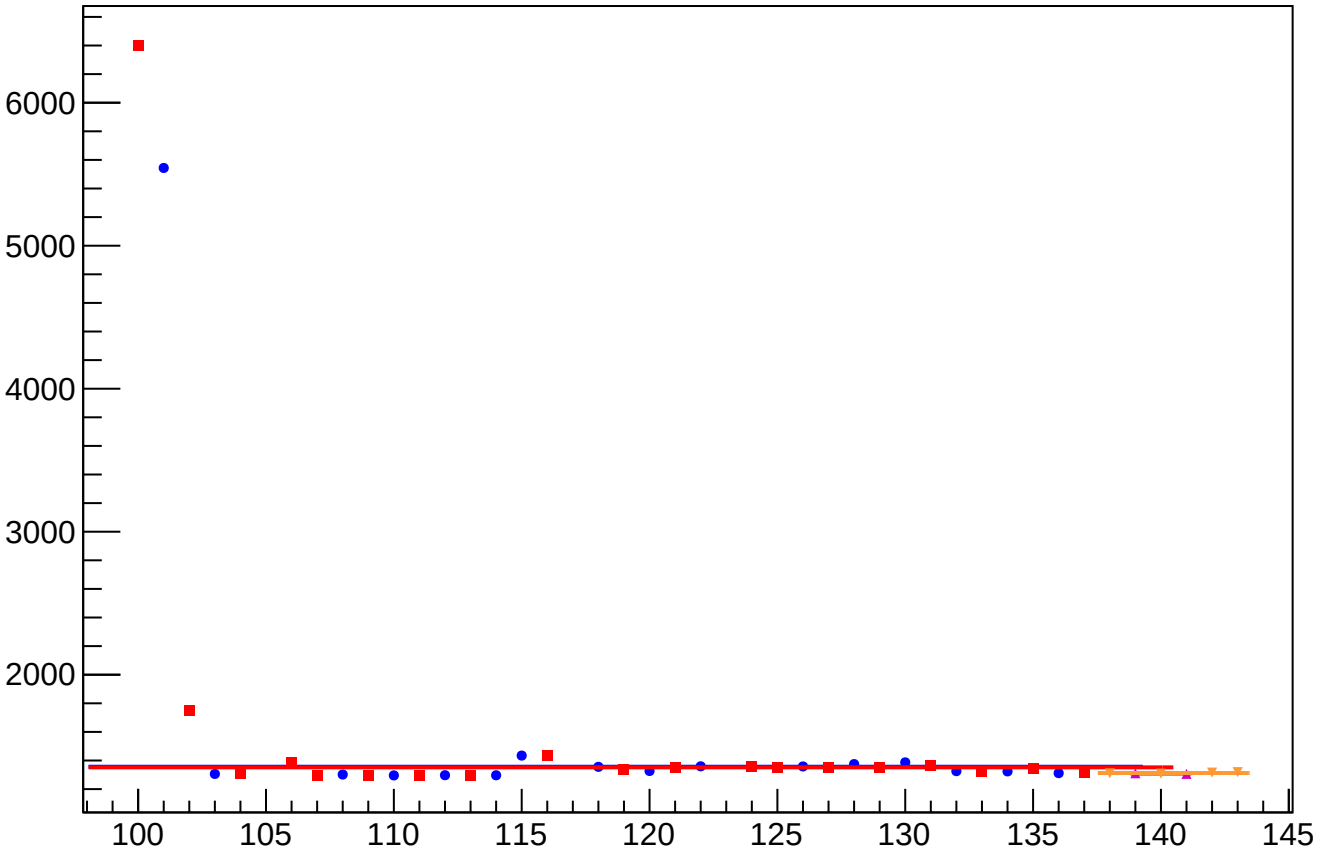
Left: -731.556+/-610.472 χ^2/NDF: 3.1/5

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -25.333+/-459.277 χ^2/NDF:25.7/17

Out: -151.974+/-421.467 χ^2/NDF:10.8/22

All: -94.080+/-310.530 χ^2/NDF: 36.5/40



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.553+/-0.547 χ^2/NDF:64.2/3

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1308.853+/-0.703 χ^2/NDF:10.0/1

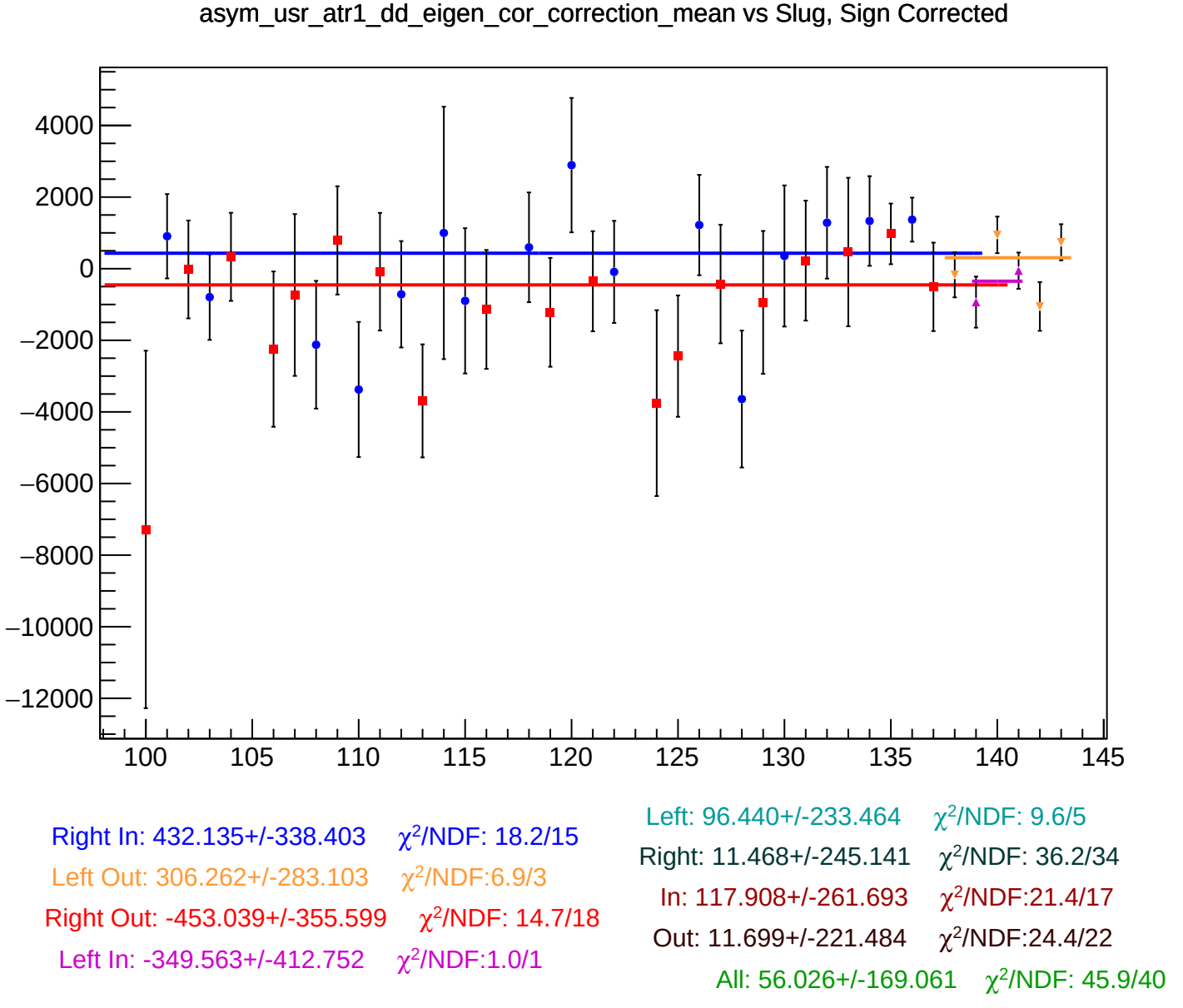
Left: 1311.159+/-0.432 χ^2/NDF: 91.4/5

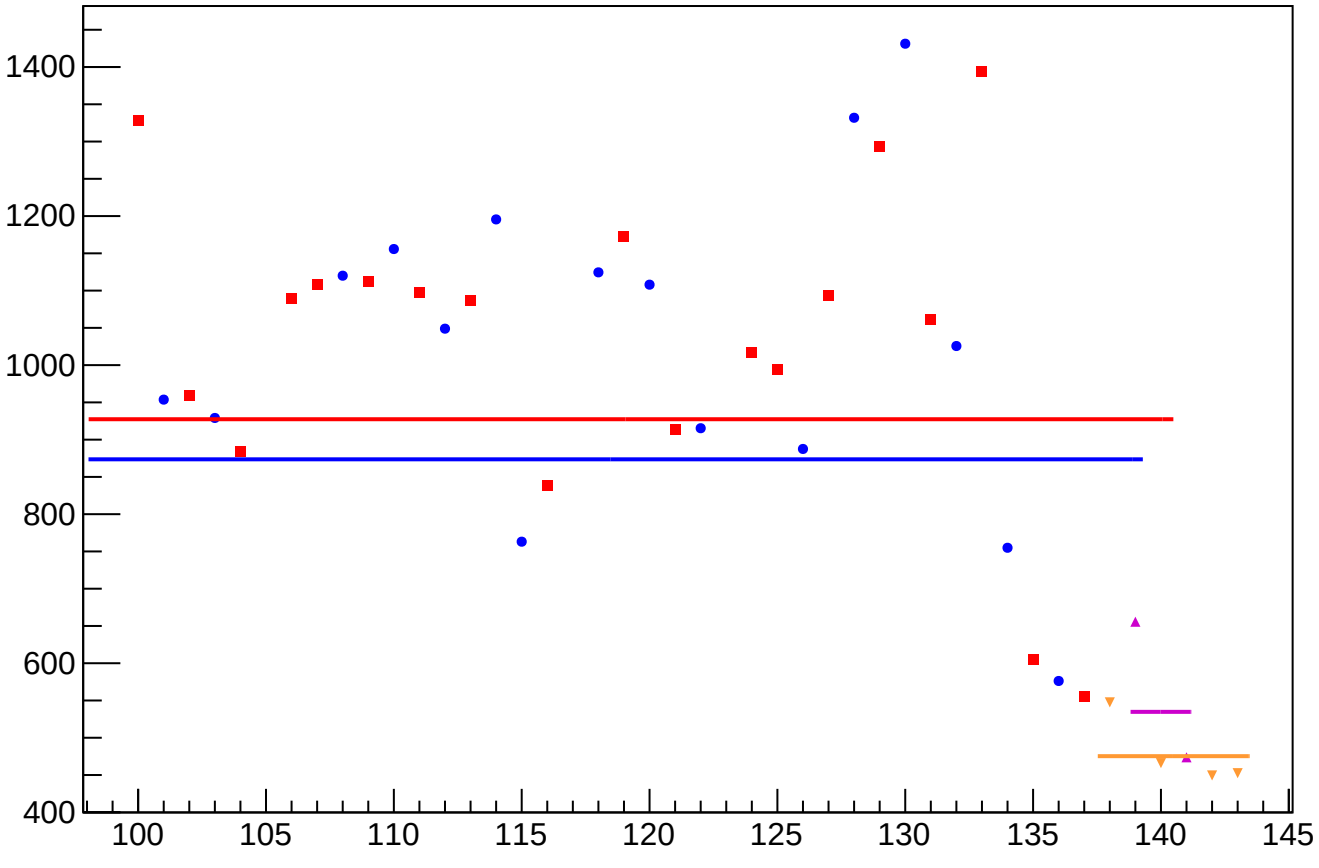
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1346.259+/-0.325 χ^2/NDF:763871.1/17

Out: 1340.340+/-0.298 χ^2/NDF:151064.7/22

All: 1343.046+/-0.220 χ^2/NDF: 915116.1/40


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
105
110
115
120
125
130
135
140
145
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 306.262+/-283.103 χ²/NDF:6.9/3
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -349.563+/-412.752 χ²/NDF:1.0/1
Left: 96.440+/-233.464 χ²/NDF: 9.6/5
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 117.908+/-261.693 χ²/NDF:21.4/17
Out: 11.699+/-221.484 χ²/NDF:24.4/22
All: 56.026+/-169.061 χ²/NDF: 45.9/40



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 475.295+/-0.200 χ^2/NDF:33973.6/3

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 534.750+/-0.292 χ^2/NDF:86573.2/1

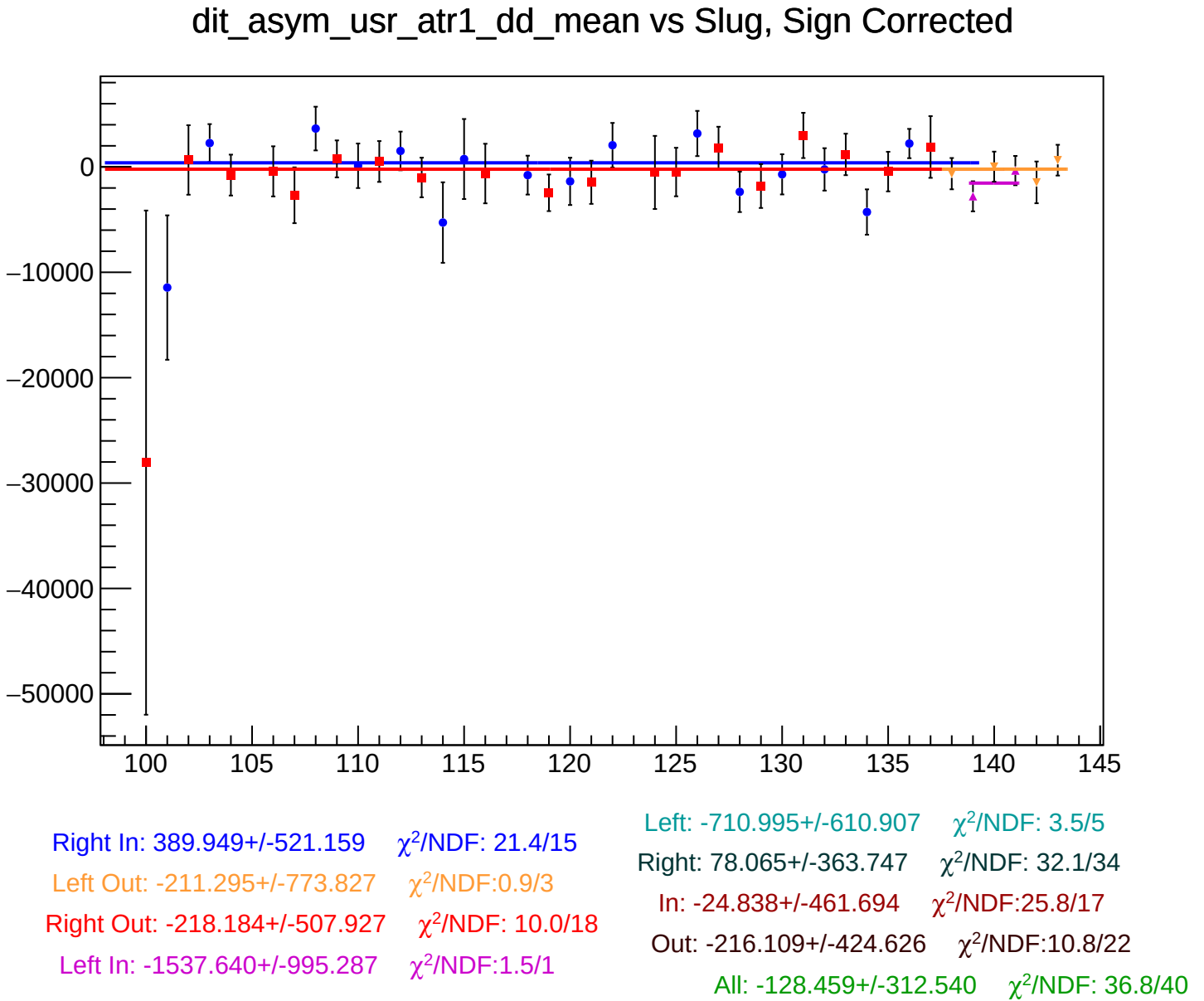
Left: 494.316+/-0.165 χ^2/NDF: 148768.3/5

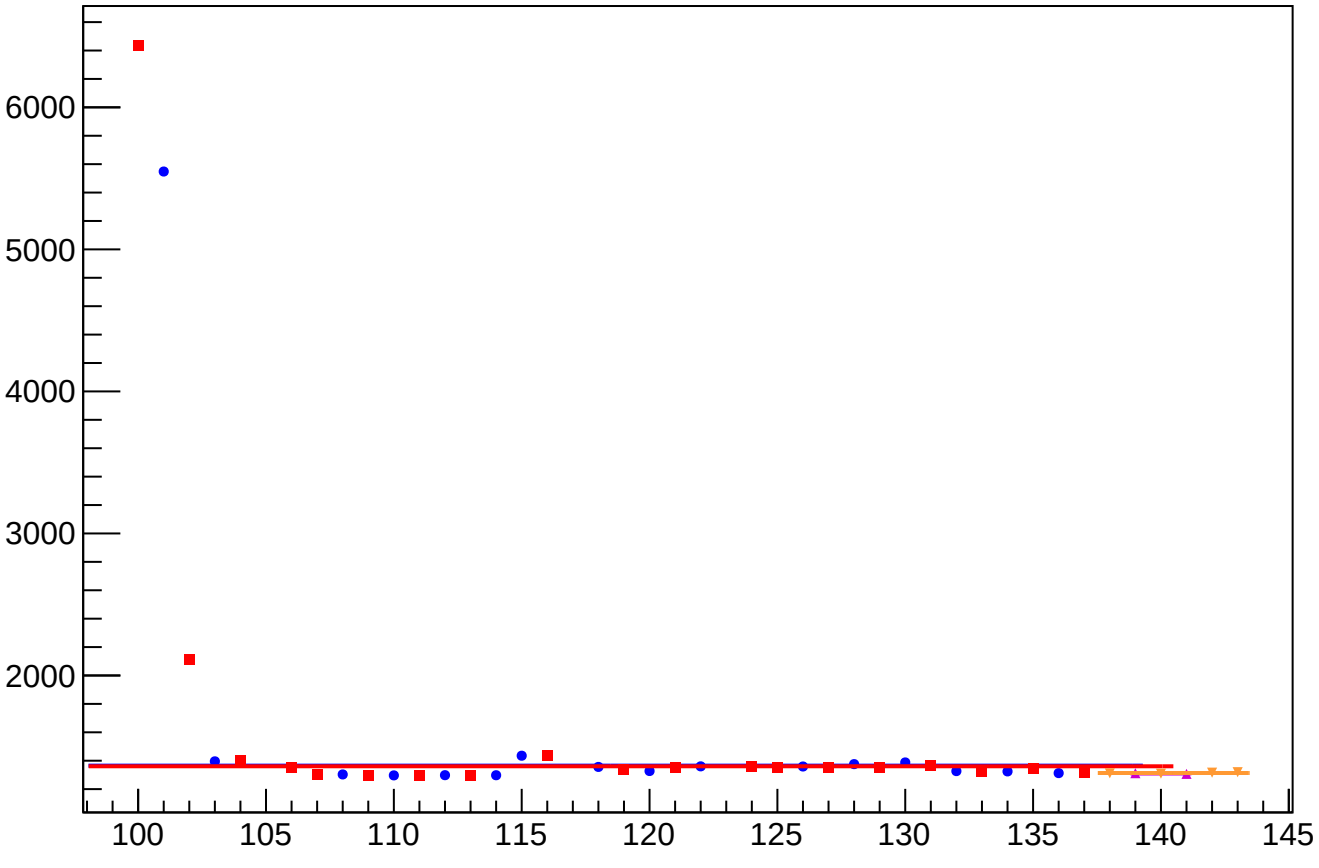
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 737.393+/-0.185 χ^2/NDF:1907096.6/17

Out: 650.687+/-0.157 χ^2/NDF:2860130.0/22

All: 686.874+/-0.120 χ^2/NDF: 4895149.6/40


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
145
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -211.295+/-773.827 χ²/NDF:0.9/3
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -1537.640+/-995.287 χ²/NDF:1.5/1
Left: -710.995+/-610.907 χ²/NDF: 3.5/5
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: -24.838+/-461.694 χ²/NDF:25.8/17
Out: -216.109+/-424.626 χ²/NDF:10.8/22
All: -128.459+/-312.540 χ²/NDF: 36.8/40



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.492+/-0.547 χ^2/NDF:56.8/3

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1309.775+/-0.704 χ^2/NDF:11.7/1

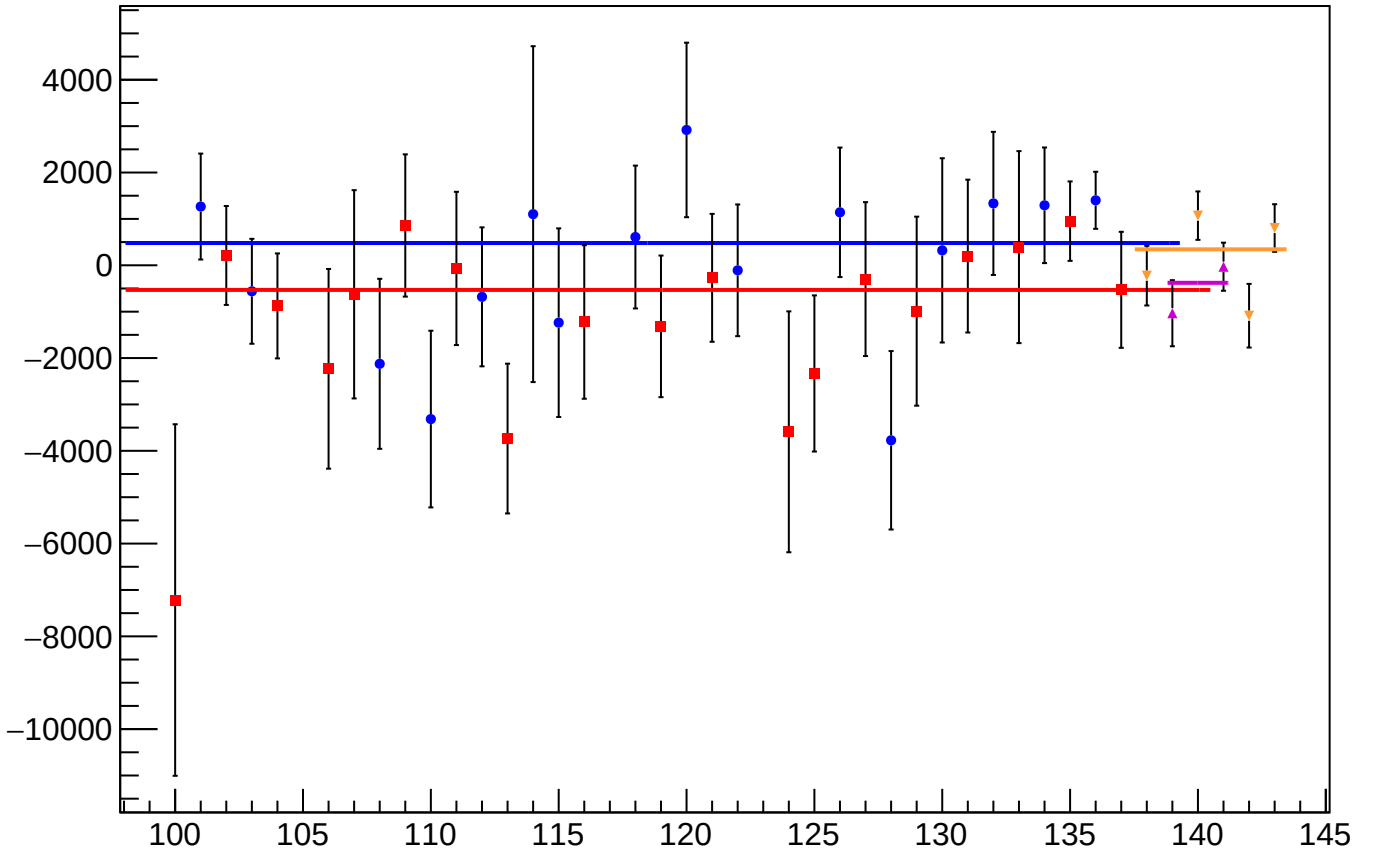
Left: 1312.092+/-0.432 χ^2/NDF: 85.8/5

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1353.353+/-0.326 χ^2/NDF:763841.9/17

Out: 1346.535+/-0.300 χ^2/NDF:210589.7/22

All: 1349.659+/-0.221 χ^2/NDF: 974667.9/40



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 344.157+/-288.616 χ^2/NDF:7.9/3

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -377.590+/-419.248 χ^2/NDF:1.3/1

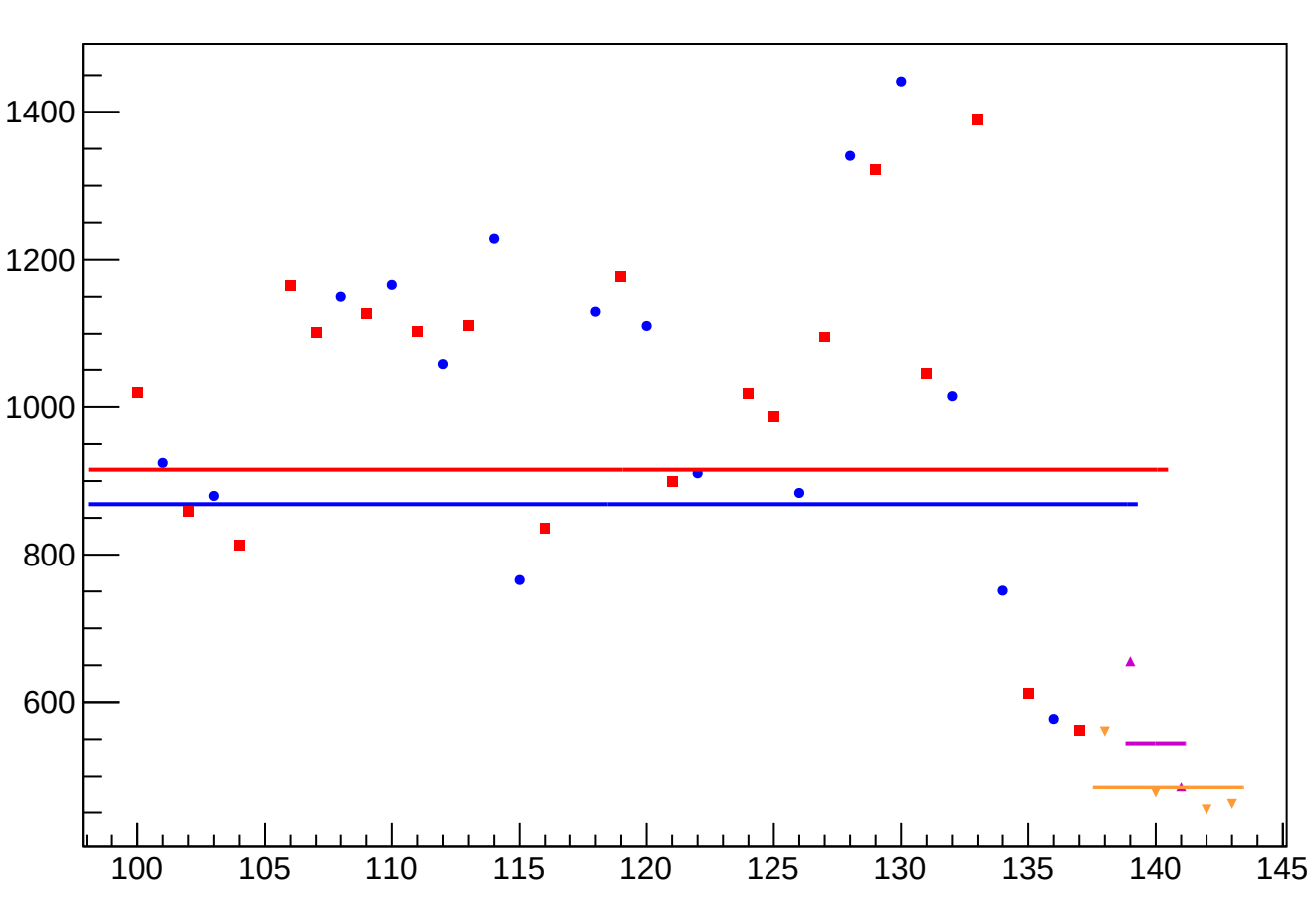
Left: 112.091+/-237.730 χ^2/NDF: 11.2/5

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 144.212+/-262.435 χ^2/NDF:22.4/17

Out: -14.608+/-221.659 χ^2/NDF:27.3/22

All: 51.518+/-169.339 χ^2/NDF: 49.9/40



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 484.945+/-0.204 χ^2/NDF:36176.5/3

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 544.371+/-0.296 χ^2/NDF:74347.5/1

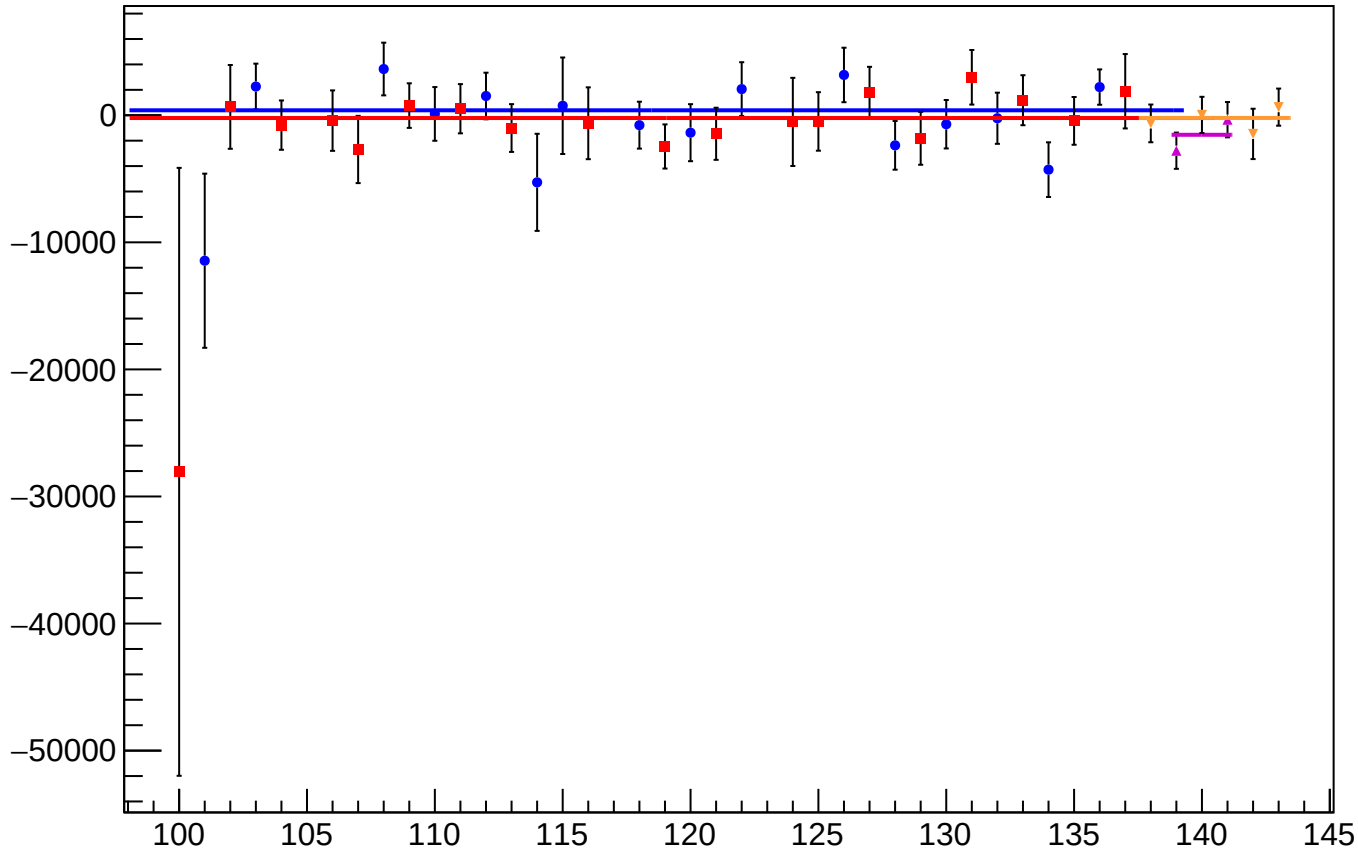
Left: 504.052+/-0.168 χ^2/NDF: 137787.0/5

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 741.539+/-0.186 χ^2/NDF:1823027.4/17

Out: 661.485+/-0.157 χ^2/NDF:2719492.1/22

All: 694.816+/-0.120 χ^2/NDF: 4651135.2/40



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -211.295+/-773.827 χ^2/NDF:0.9/3

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -1537.642+/-995.287 χ^2/NDF:1.5/1

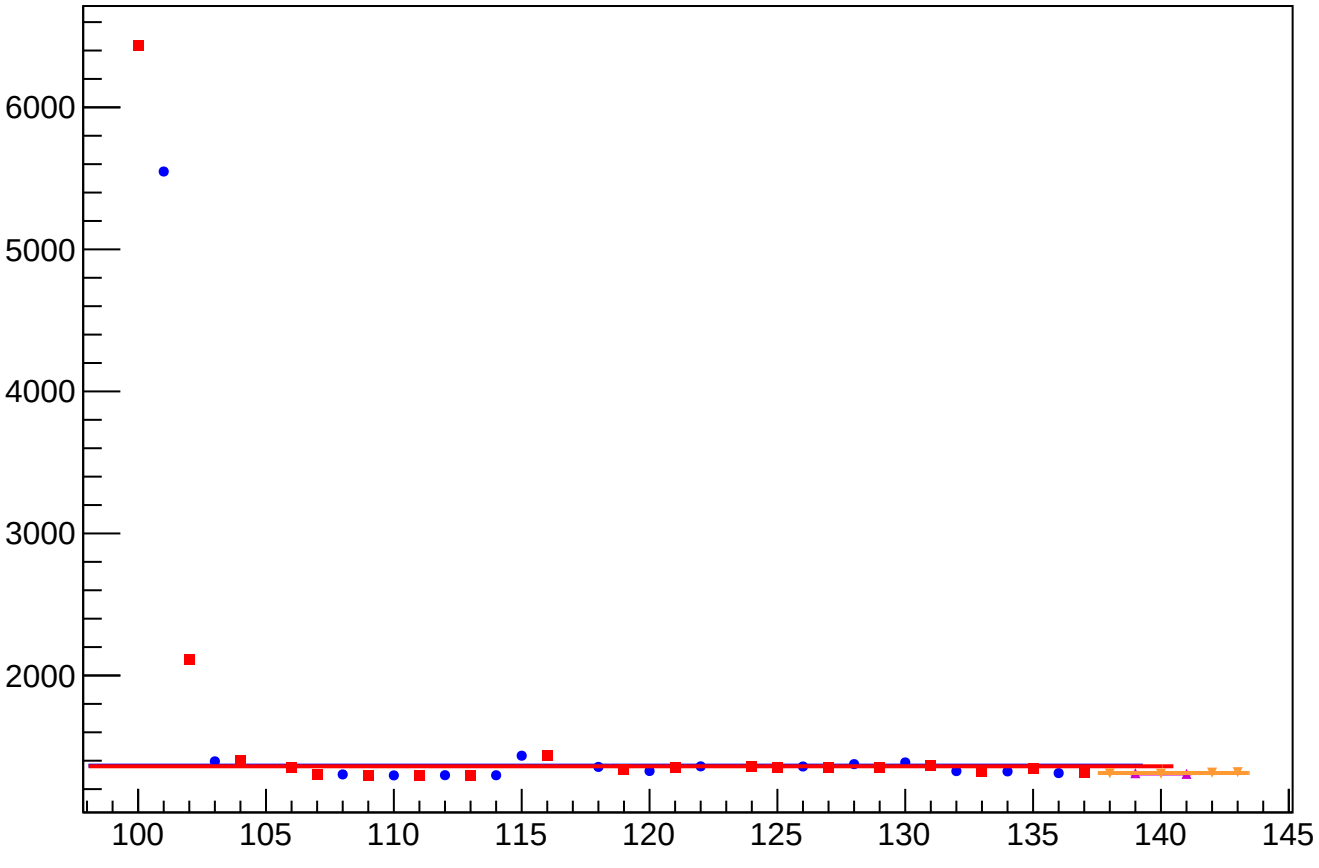
Left: -710.996+/-610.907 χ^2/NDF: 3.5/5

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -24.839+/-461.694 χ^2/NDF:25.8/17

Out: -216.109+/-424.626 χ^2/NDF:10.8/22

All: -128.459+/-312.540 χ^2/NDF: 36.8/40



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.492+/-0.547 χ^2/NDF:56.8/3

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1309.775+/-0.704 χ^2/NDF:11.7/1

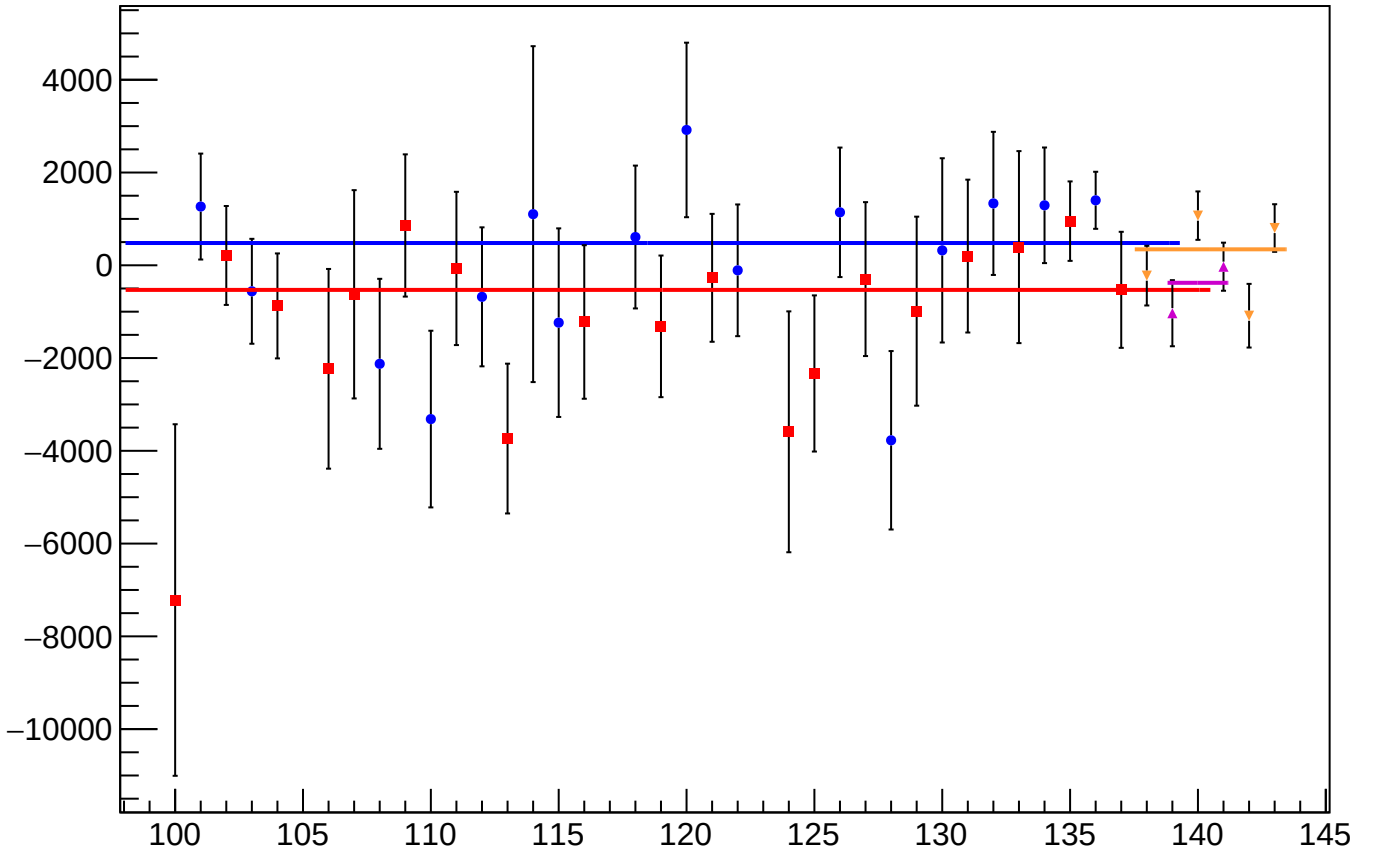
Left: 1312.092+/-0.432 χ^2/NDF: 85.8/5

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1353.353+/-0.326 χ^2/NDF:763841.8/17

Out: 1346.535+/-0.300 χ^2/NDF:210589.6/22

All: 1349.659+/-0.221 χ^2/NDF: 974667.8/40



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 344.161+/-288.616 χ^2/NDF:7.9/3

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -377.589+/-419.248 χ^2/NDF:1.3/1

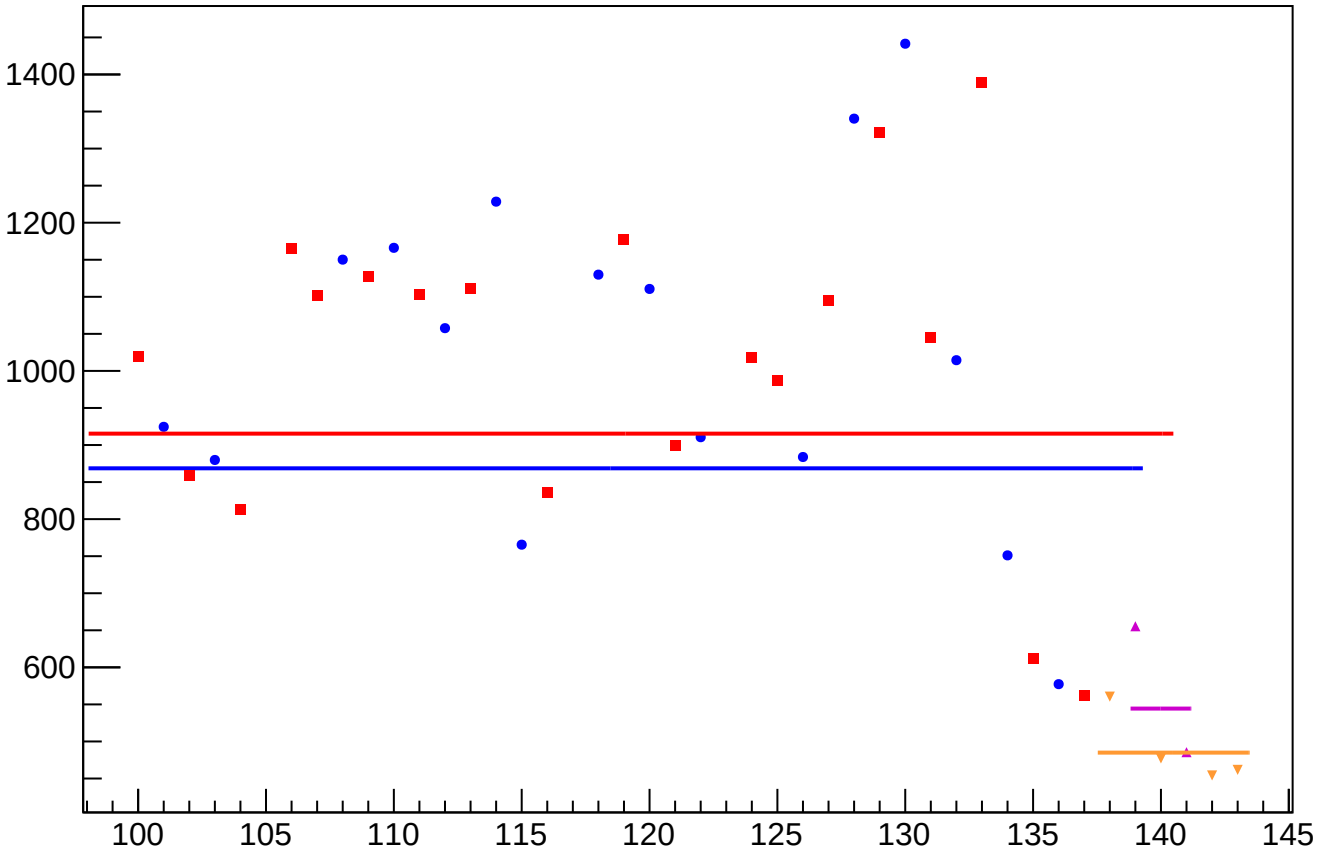
Left: 112.094+/-237.730 χ^2/NDF: 11.2/5

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 144.212+/-262.435 χ^2/NDF:22.4/17

Out: -14.607+/-221.659 χ^2/NDF:27.3/22

All: 51.519+/-169.339 χ^2/NDF: 49.9/40



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 484.945+/-0.204 χ^2/NDF:36177.3/3

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: 504.052+/-0.168 χ^2/NDF: 137790.3/5

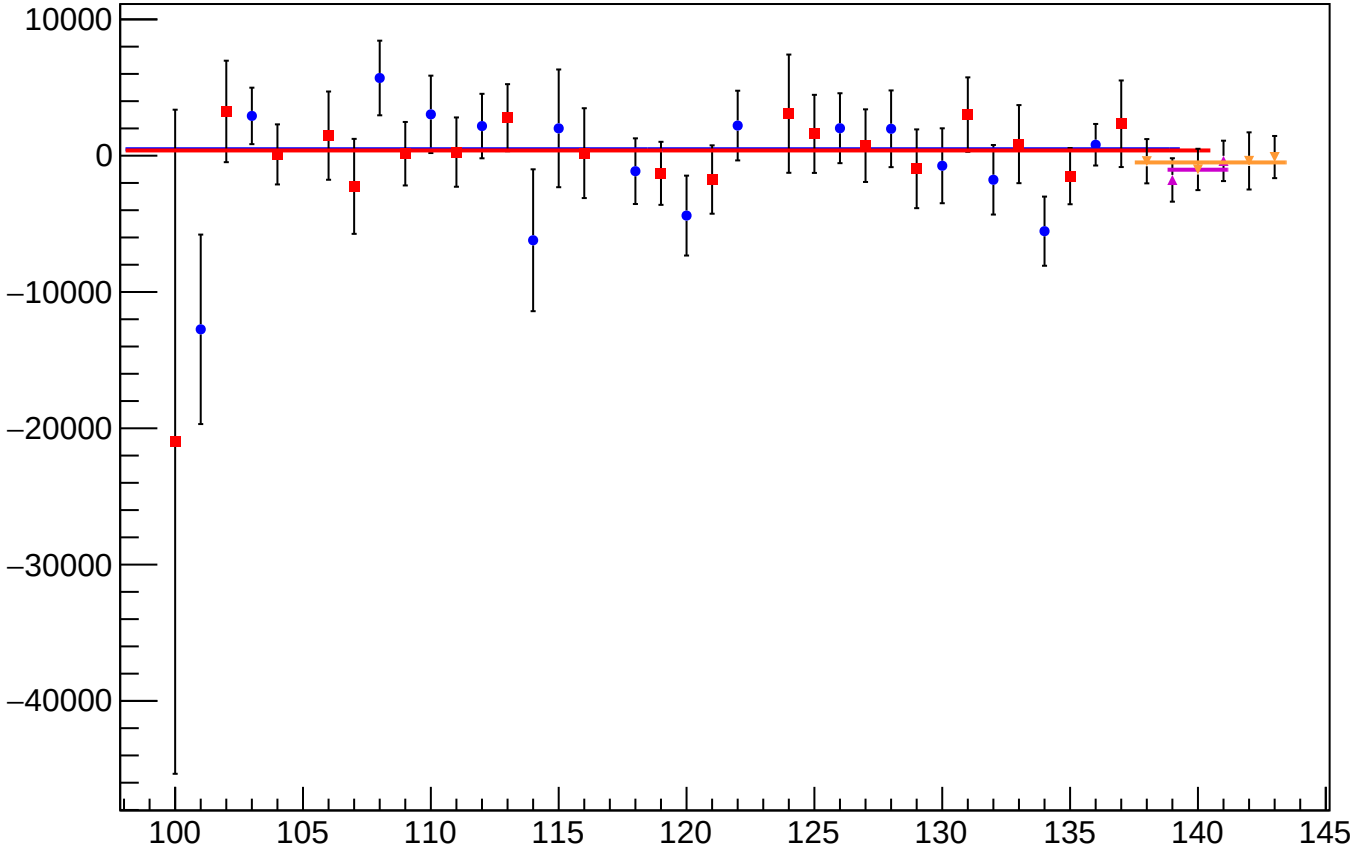
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 741.538+/-0.186 χ^2/NDF:1823020.6/17

Out: 661.485+/-0.157 χ^2/NDF:2719477.0/22

All: 694.816+/-0.120 χ^2/NDF: 4651110.3/40

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -494.780+/-827.751 χ^2/NDF:0.2/3

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: -691.497+/-658.137 χ^2/NDF: 0.8/5

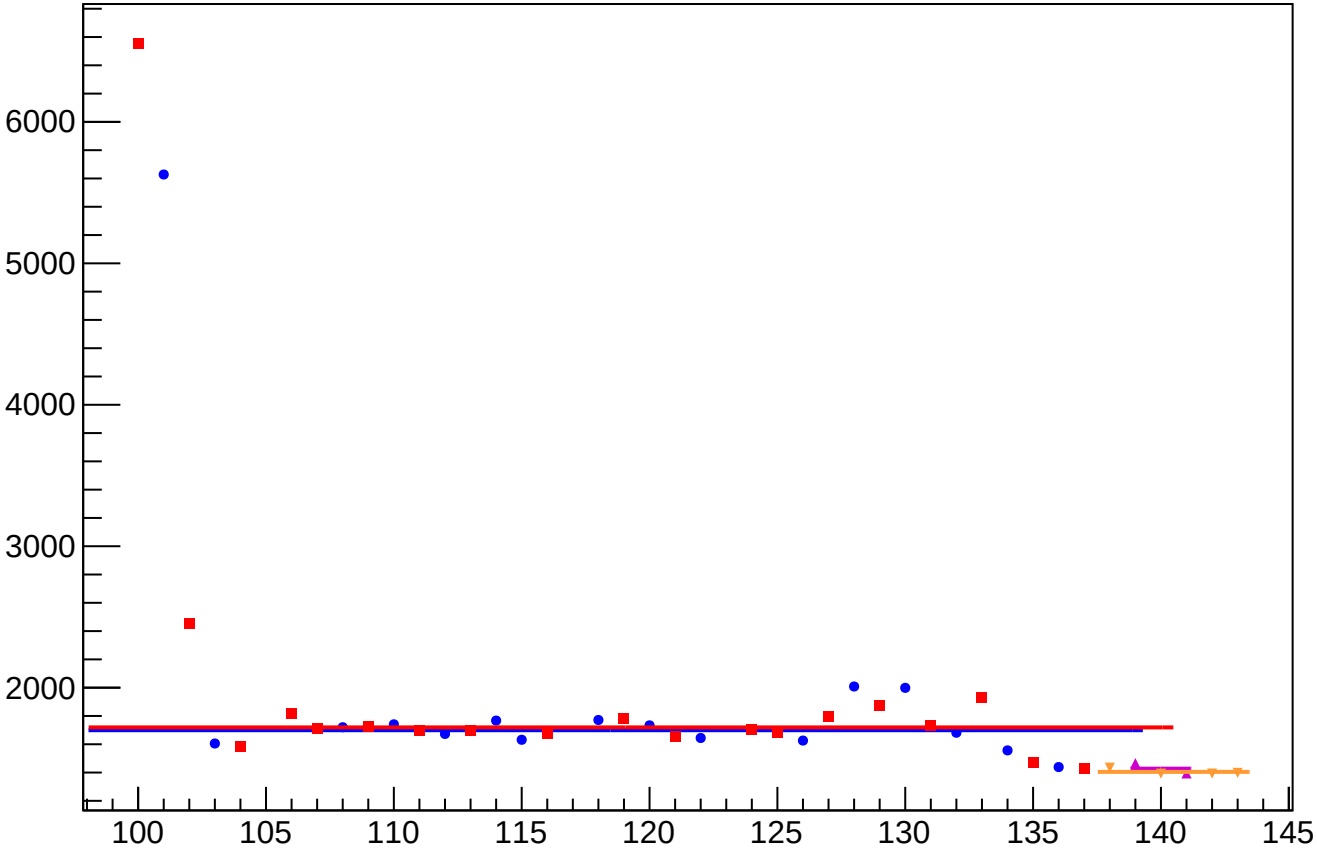
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 77.284+/-557.140 χ^2/NDF:24.5/17

Out: 54.421+/-507.297 χ^2/NDF:8.2/22

All: 64.784+/-375.099 χ^2/NDF: 32.7/40

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1404.757+/-0.585 χ^2/NDF:907.5/3

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1427.513+/-0.767 χ^2/NDF:2249.5/1

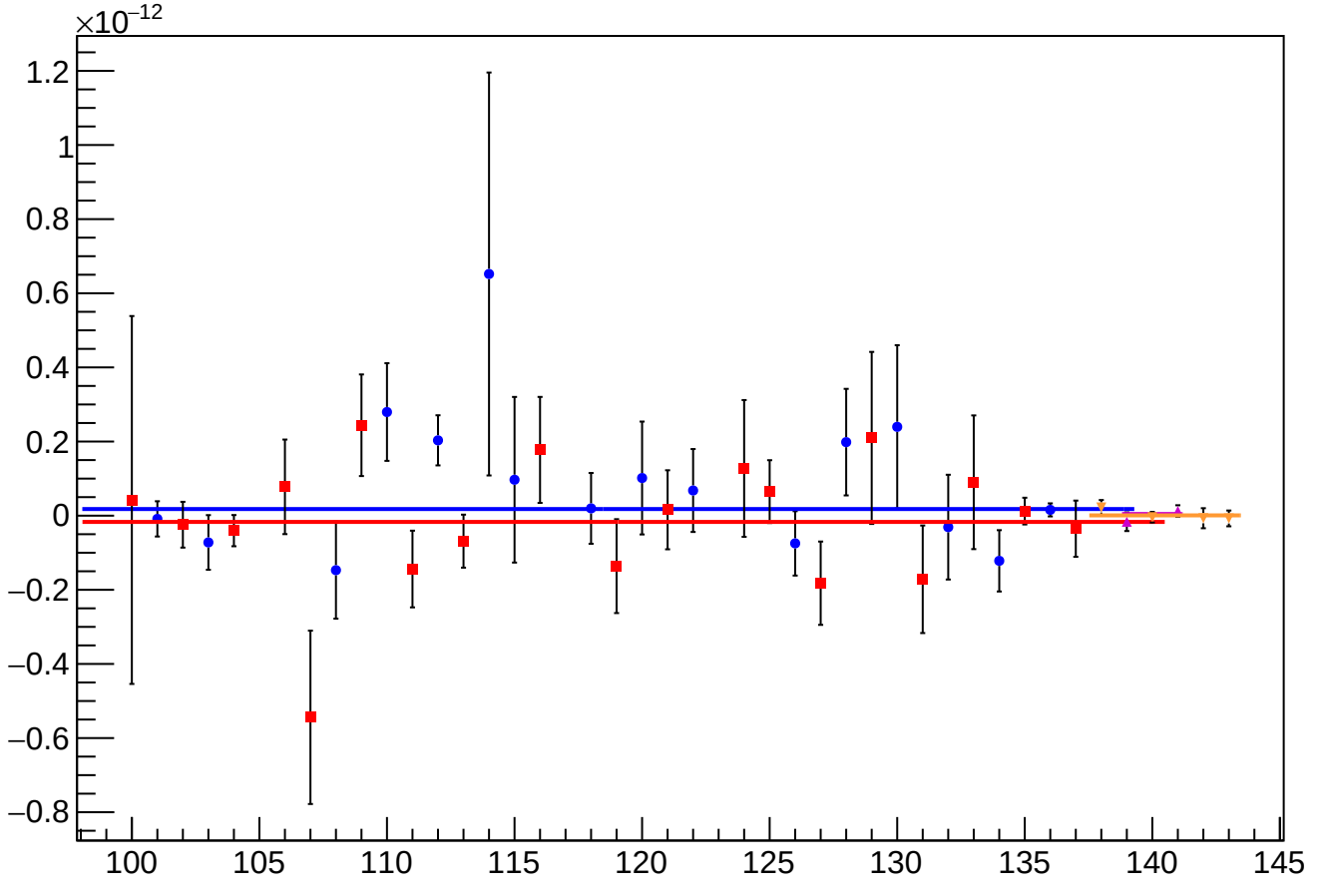
Left: 1413.127+/-0.465 χ^2/NDF: 3712.9/5

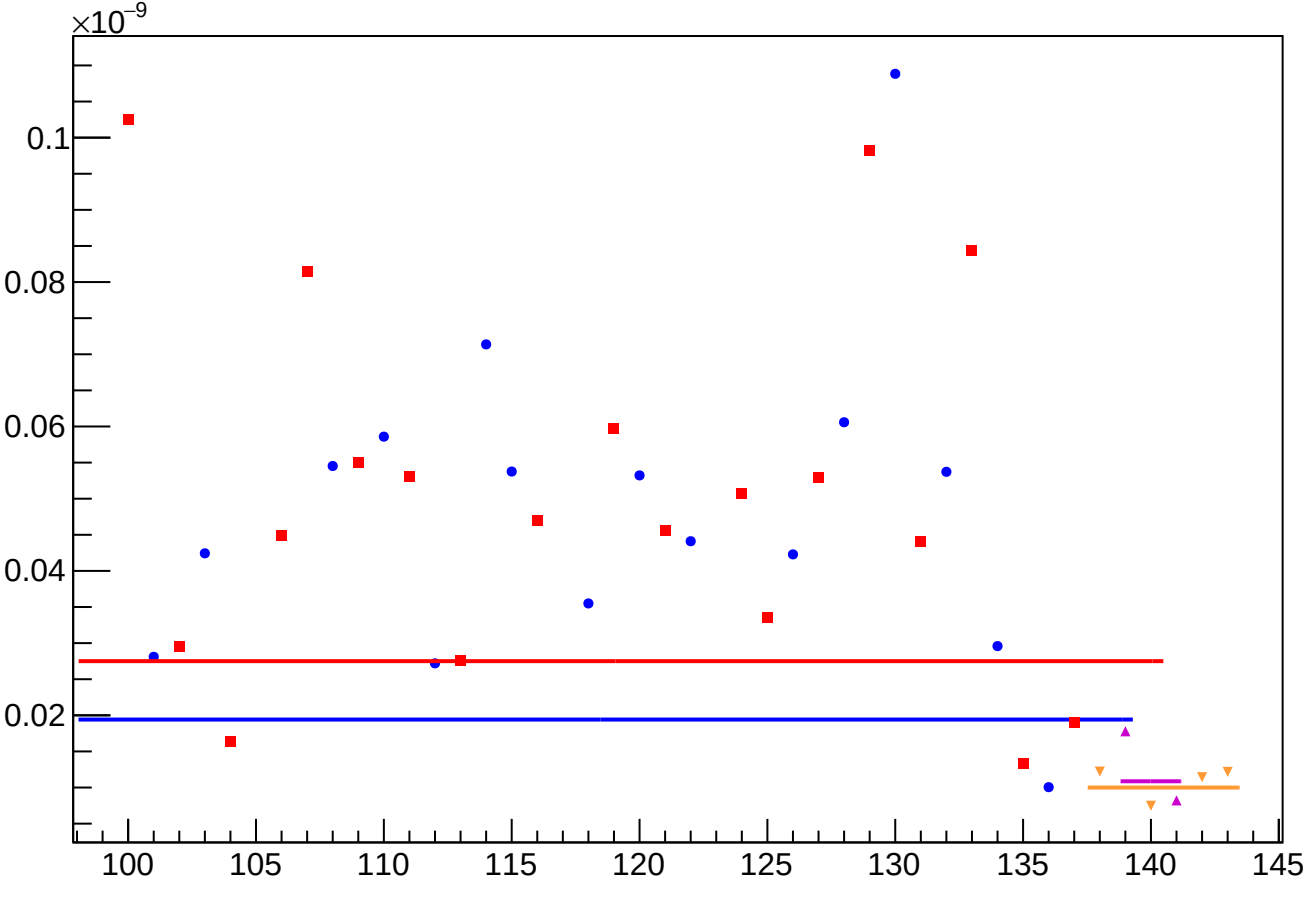
Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1627.679+/-0.394 χ^2/NDF:856755.9/17

Out: 1601.035+/-0.359 χ^2/NDF:414757.5/22

All: 1613.112+/-0.265 χ^2/NDF: 1274014.2/40


asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1.5/3
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/18
Left In: 0.000+/-0.000 χ²/NDF:1.0/1
Left: 0.000+/-0.000 χ²/NDF: 2.5/5
Right: 0.000+/-0.000 χ²/NDF: 47.0/34
In: 0.000+/-0.000 χ²/NDF:25.0/17
Out: -0.000+/-0.000 χ²/NDF:23.5/22
All: 0.000+/-0.000 χ²/NDF: 49.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:112223.3/3

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: 327999.9/5

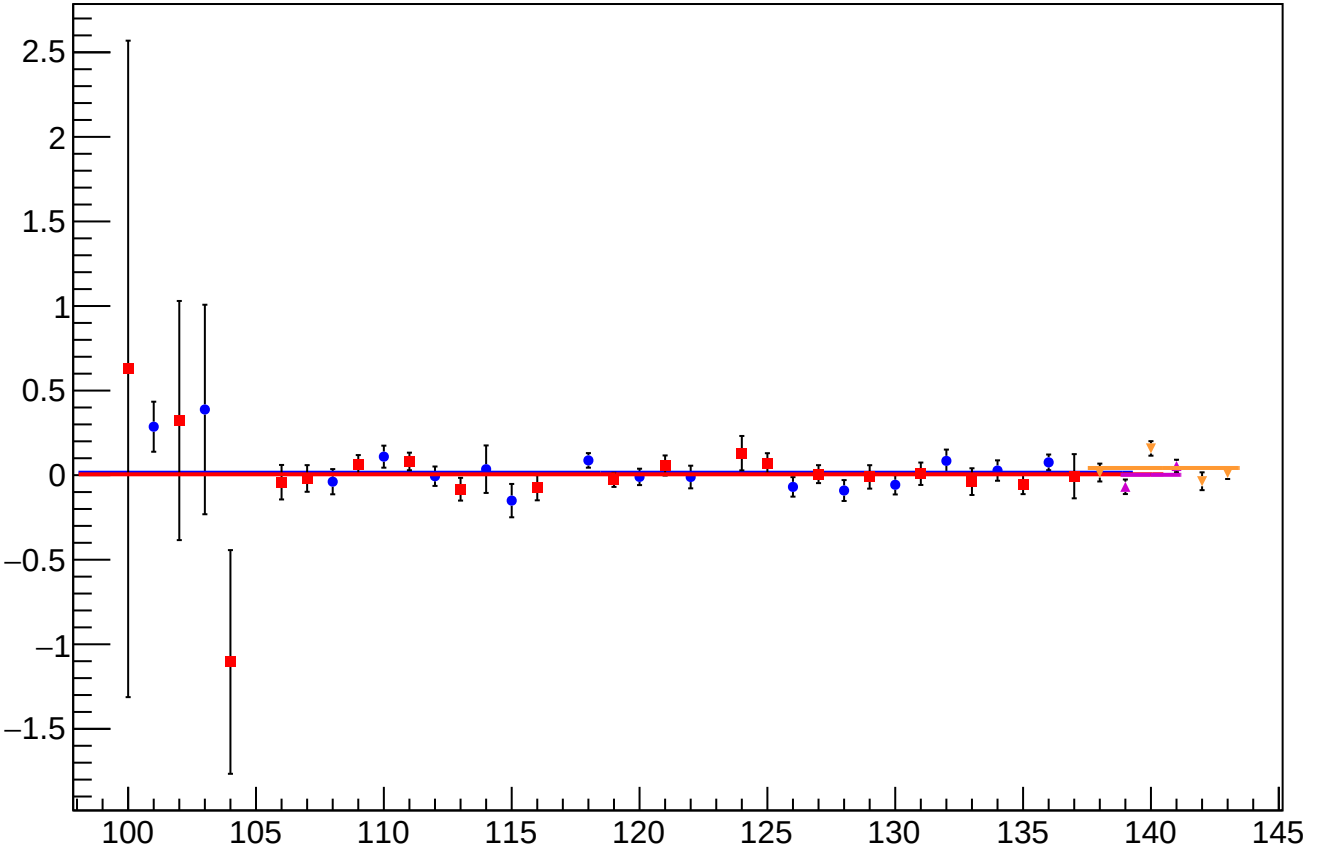
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:2868146.9/17

Out: 0.000+/-0.000 χ^2/NDF:3104248.2/22

All: 0.000+/-0.000 χ^2/NDF: 5991597.8/40

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: 0.042+/-0.022 χ^2/NDF:10.5/3

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.002+/-0.028 χ^2/NDF:4.7/1

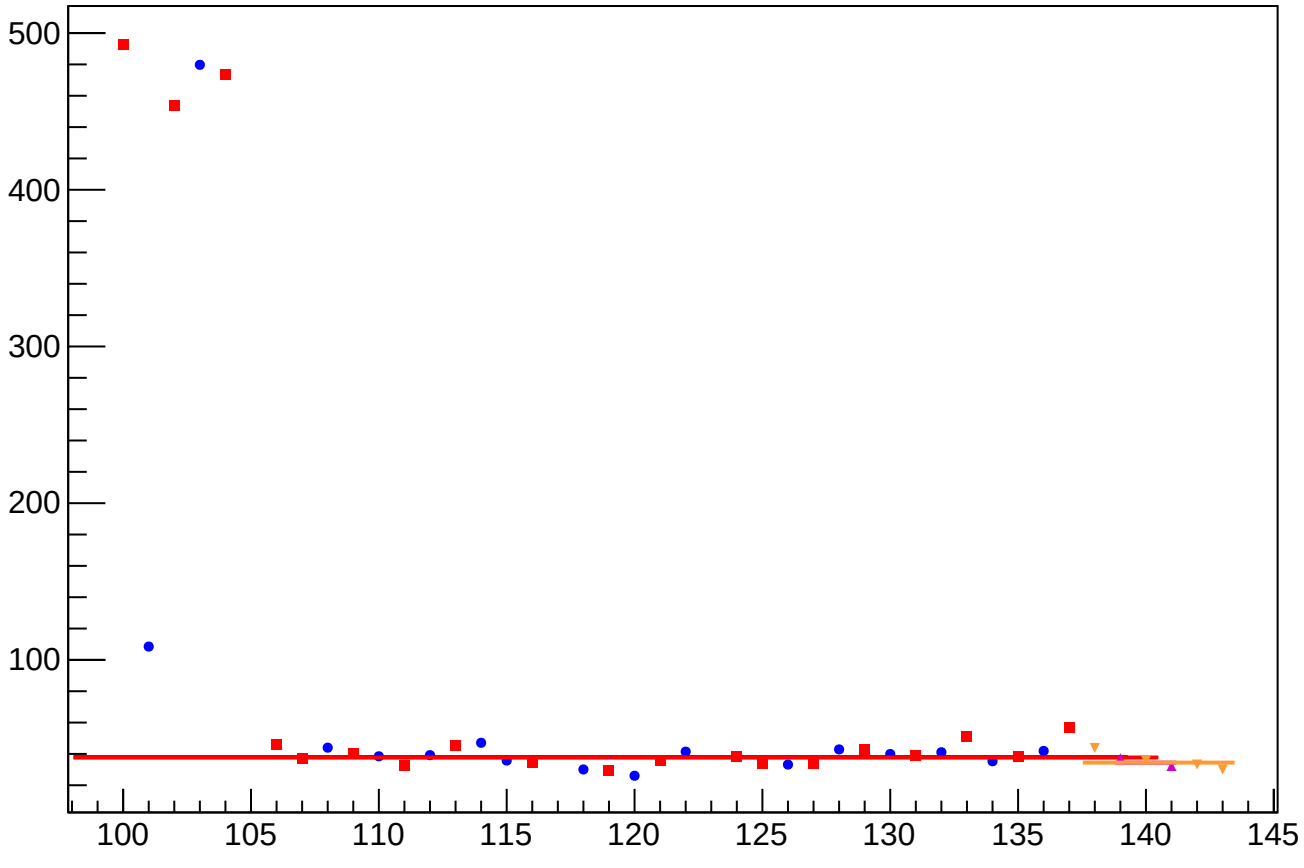
Left: 0.027+/-0.017 χ^2/NDF: 16.4/5

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.011+/-0.014 χ^2/NDF:26.9/17

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.015+/-0.009 χ^2/NDF: 54.2/40



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.451+/-0.016 χ^2/NDF:97930.5/3

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.414+/-0.020 χ^2/NDF:15191.9/1

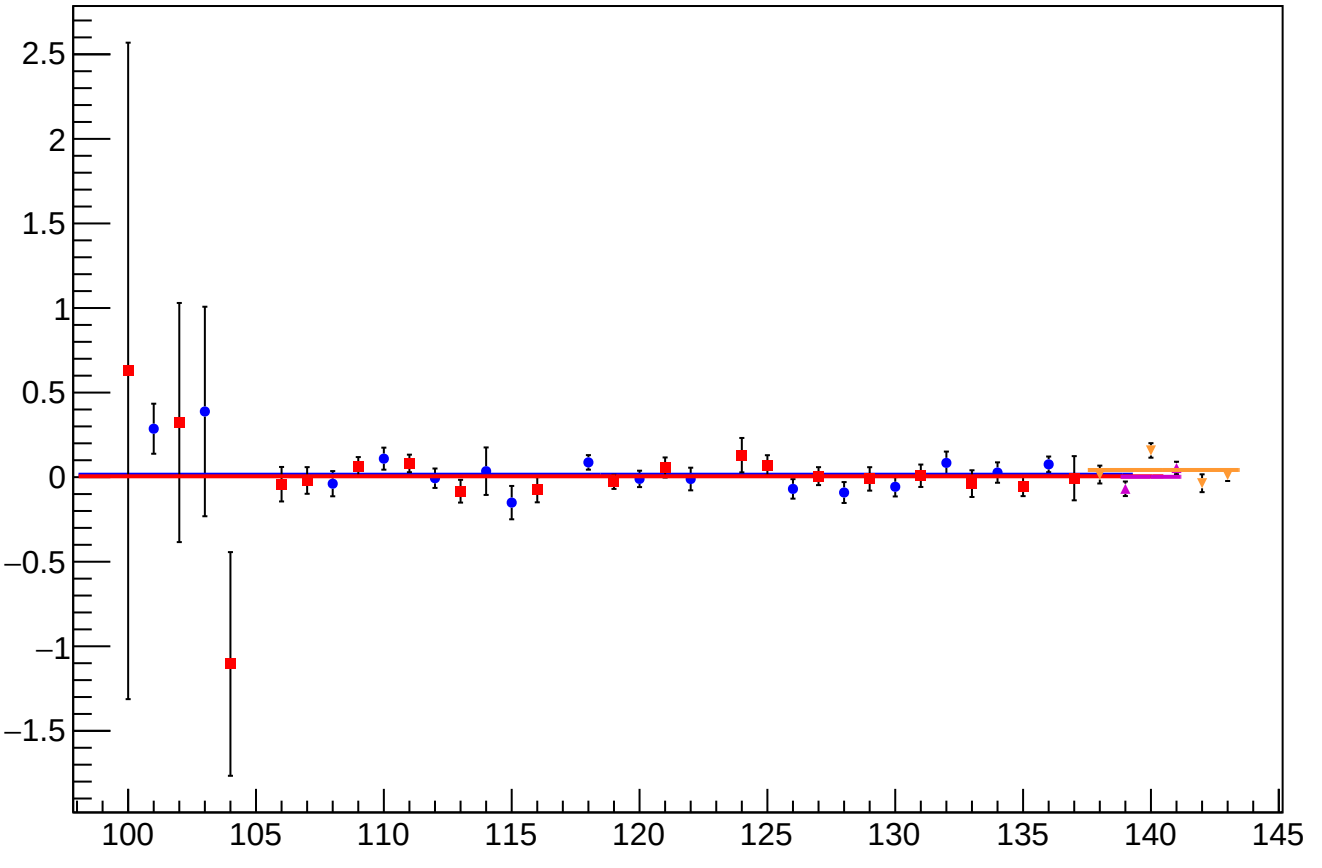
Left: 34.437+/-0.012 χ^2/NDF: 113124.6/5

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.082+/-0.010 χ^2/NDF:1778778.5/17

Out: 36.565+/-0.009 χ^2/NDF:2071312.5/22

All: 36.806+/-0.007 χ^2/NDF: 3851579.7/40



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.042+/-0.022 χ^2/NDF:10.5/3

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: 0.027+/-0.017 χ^2/NDF: 16.4/5

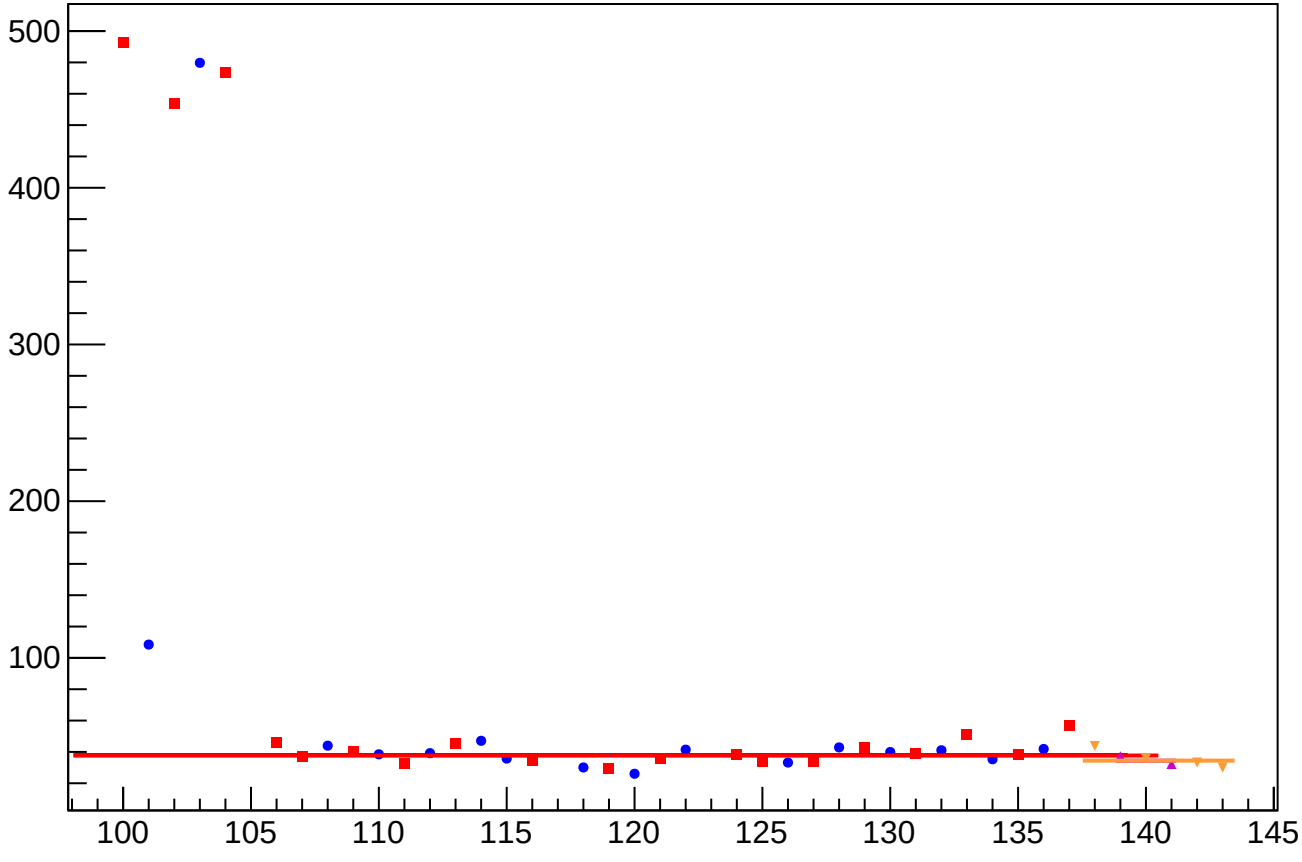
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.011+/-0.014 χ^2/NDF:26.9/17

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.015+/-0.009 χ^2/NDF: 54.2/40

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.451+/-0.016 χ^2/NDF:97930.5/3

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.414+/-0.020 χ^2/NDF:15191.9/1

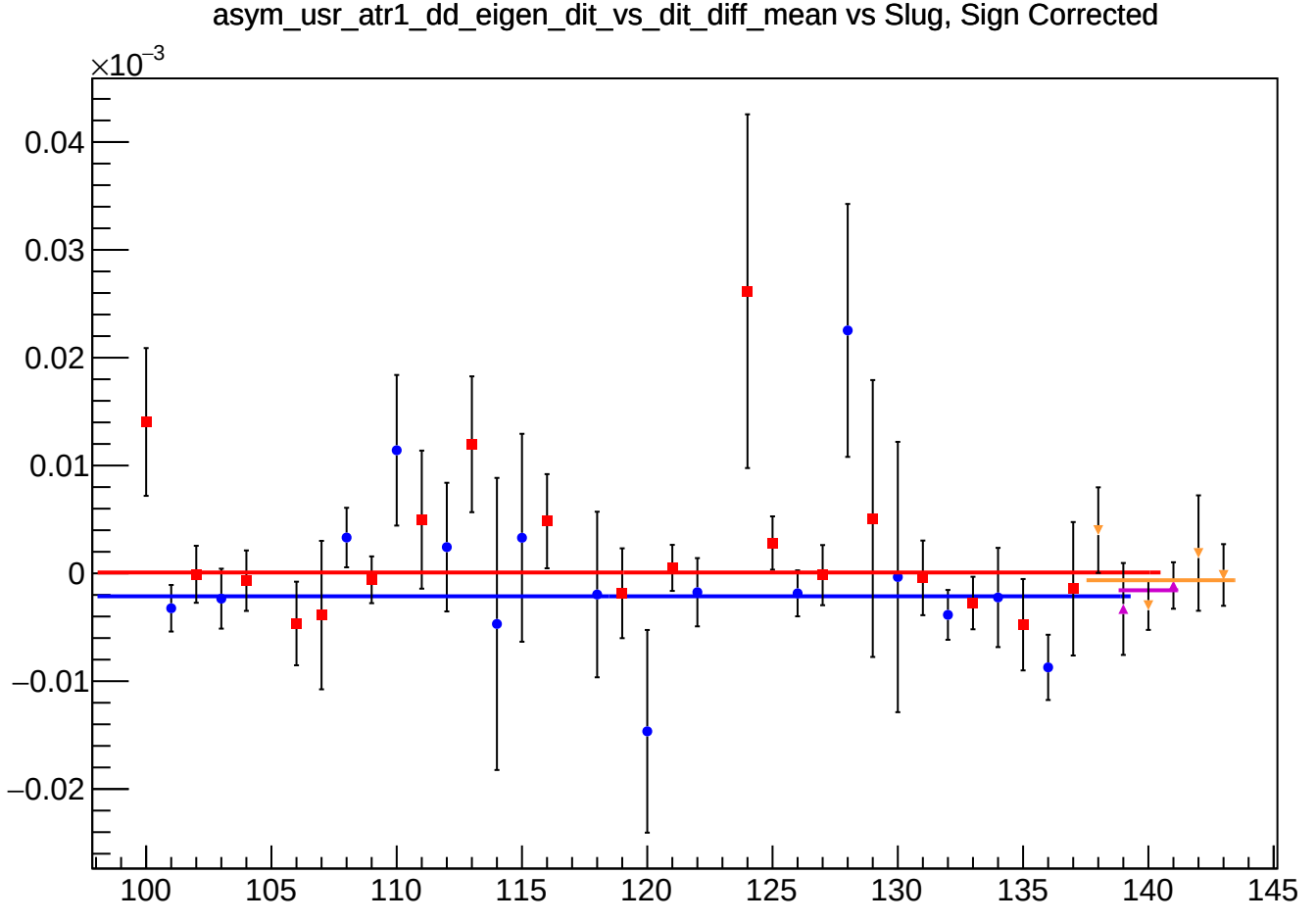
Left: 34.437+/-0.012 χ^2/NDF: 113124.6/5

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.082+/-0.010 χ^2/NDF:1778778.5/17

Out: 36.565+/-0.009 χ^2/NDF:2071312.5/22

All: 36.806+/-0.007 χ^2/NDF: 3851579.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

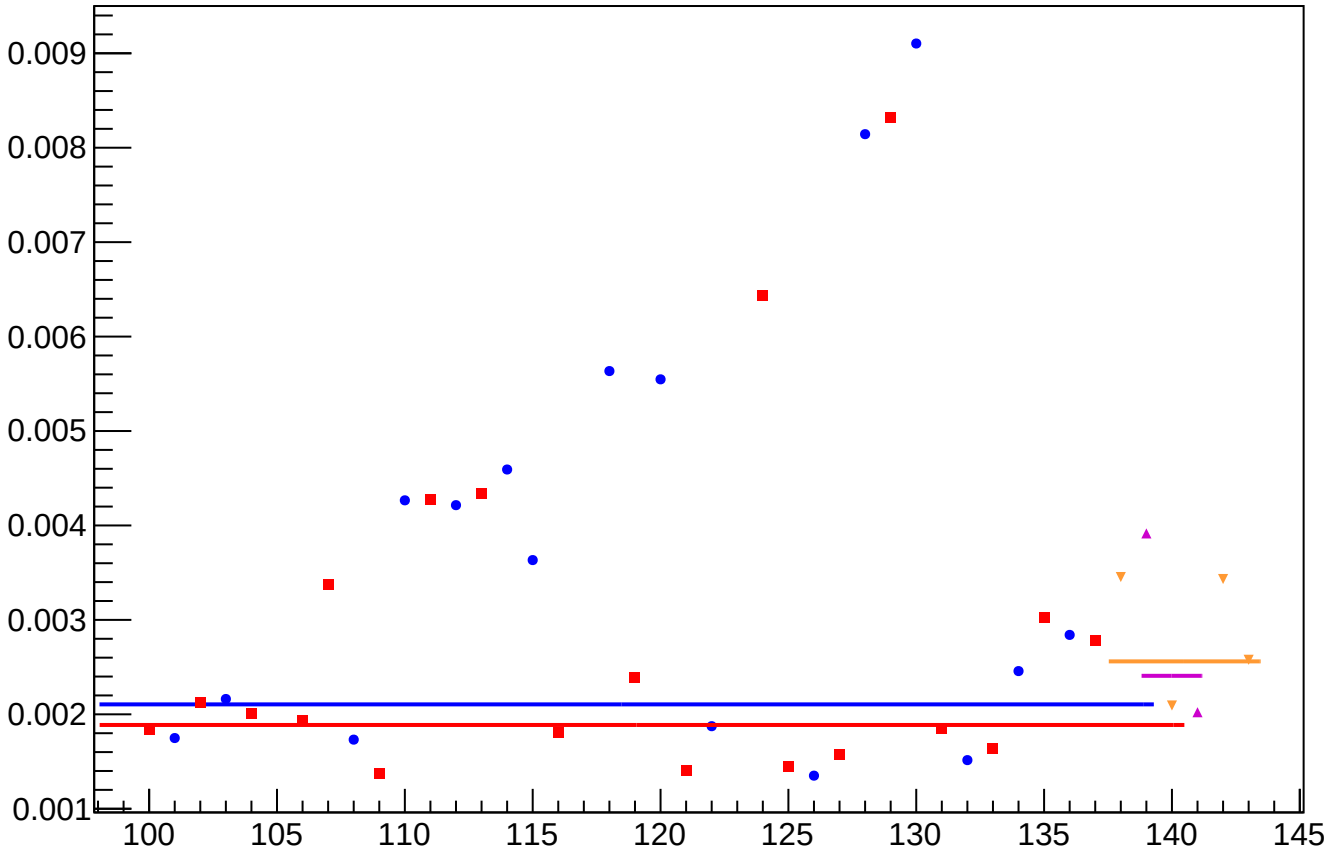
Left: -0.000+/-0.000 χ^2/NDF: 3.0/5

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:21.2/22

All: -0.000+/-0.000 χ^2/NDF: 45.2/40



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:237861.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:314422.3/1

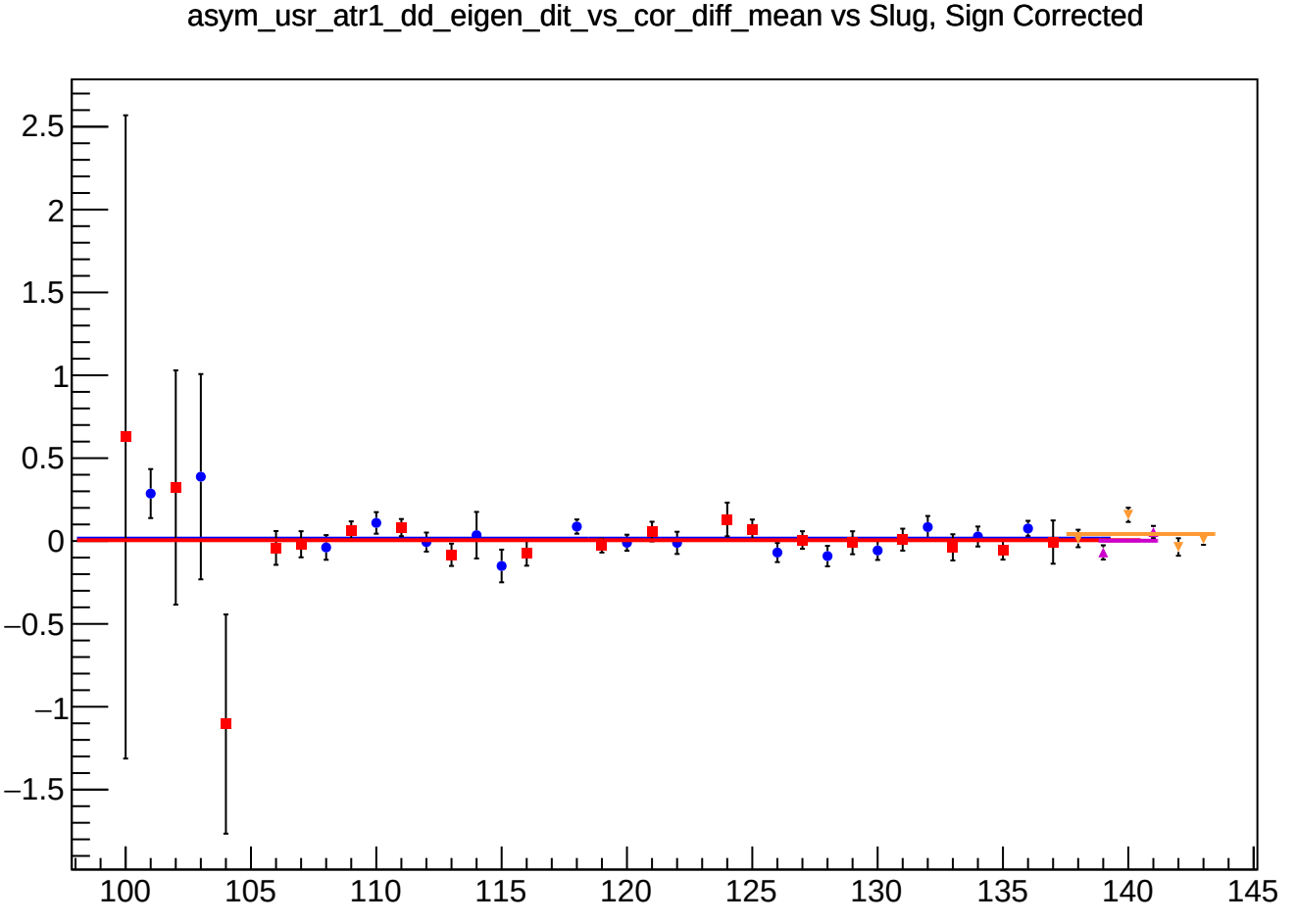
Left: 0.003+/-0.000 χ^2/NDF: 559911.4/5

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

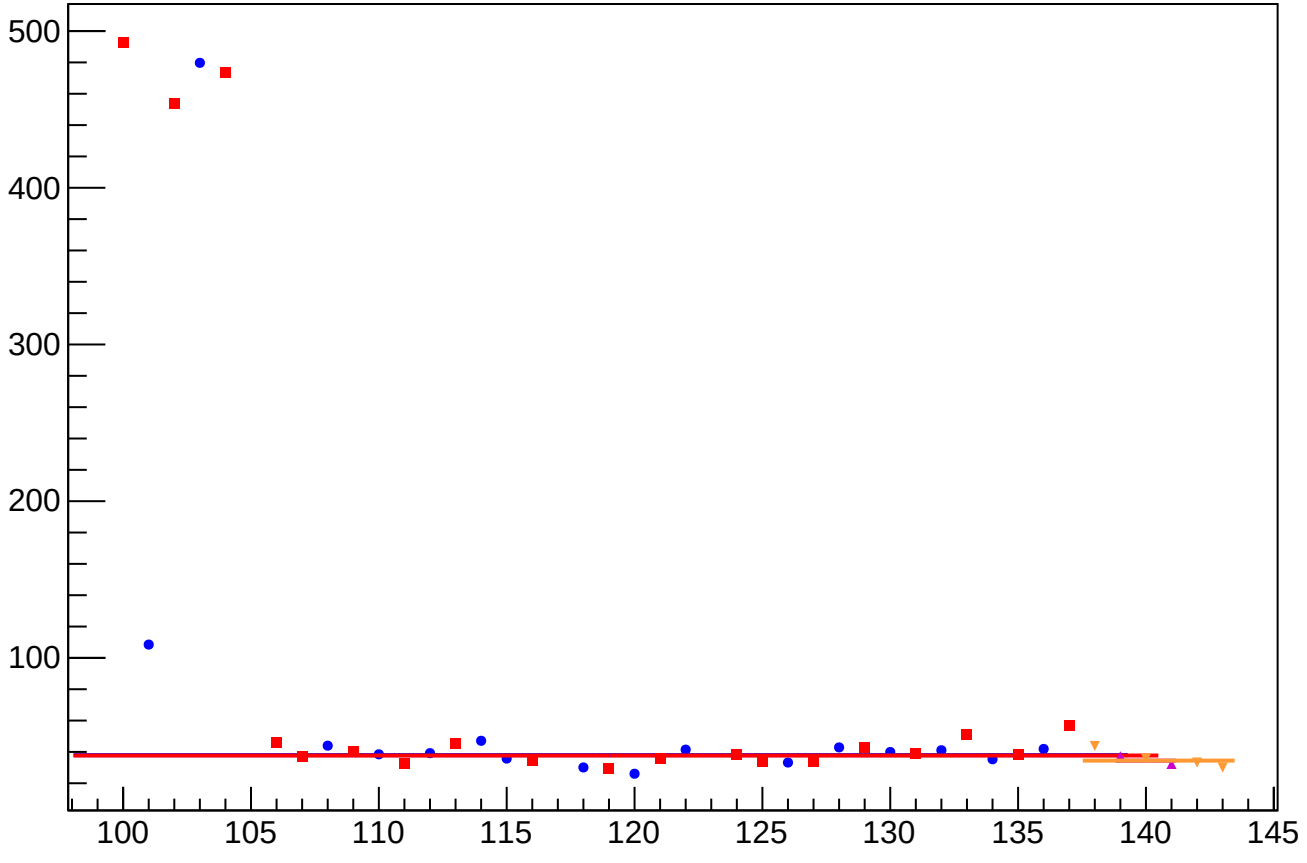
In: 0.002+/-0.000 χ^2/NDF:3372628.3/17

Out: 0.002+/-0.000 χ^2/NDF:2427043.2/22

All: 0.002+/-0.000 χ^2/NDF: 5831044.1/40


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
145
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.042+/-0.022 χ²/NDF:10.5/3
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: 0.002+/-0.028 χ²/NDF:4.7/1
Left: 0.027+/-0.017 χ²/NDF: 16.4/5
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.011+/-0.014 χ²/NDF:26.9/17
Out: 0.018+/-0.013 χ²/NDF:27.2/22
All: 0.015+/-0.009 χ²/NDF: 54.2/40

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: 34.451+/-0.016 χ^2/NDF:97956.6/3

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: 34.436+/-0.012 χ^2/NDF: 113150.4/5

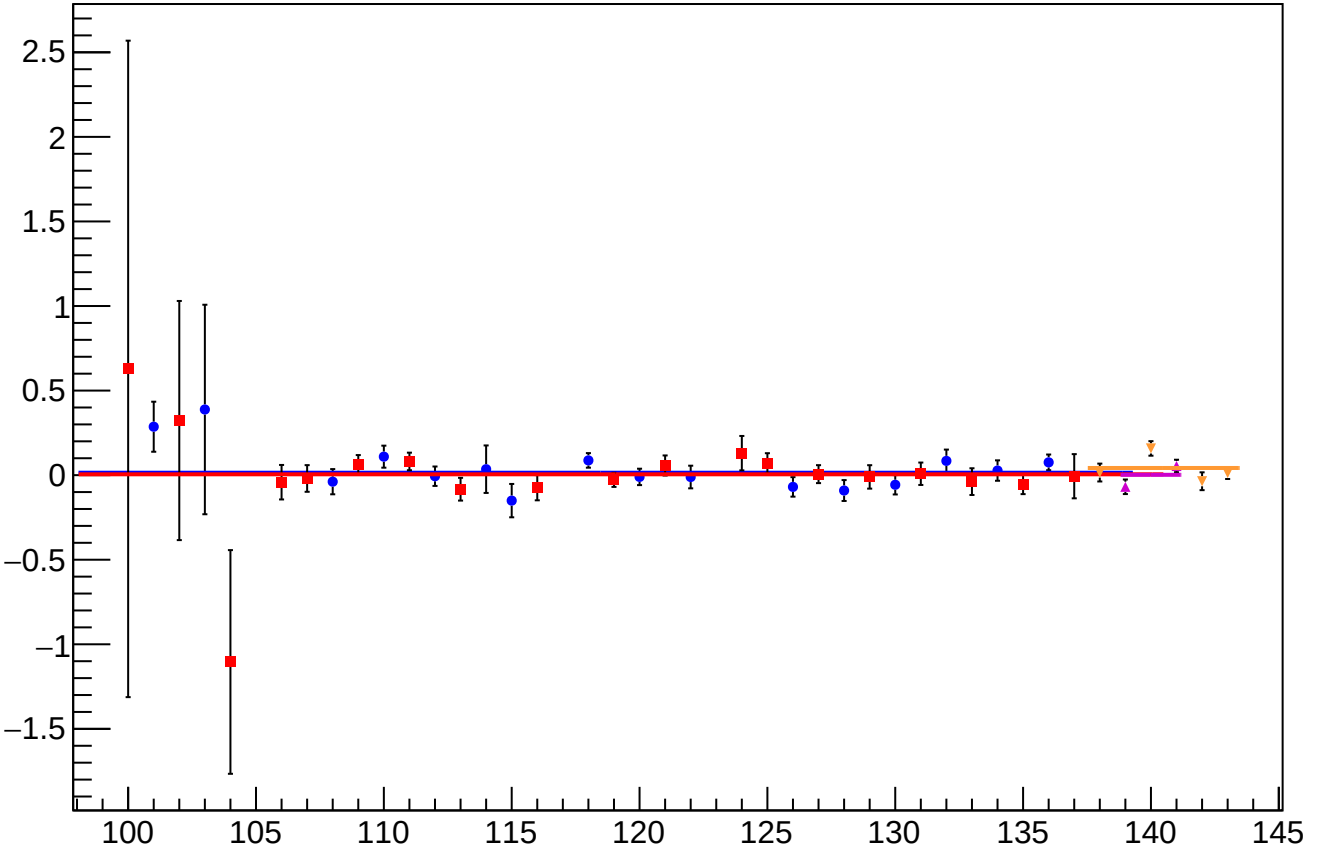
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.082+/-0.010 χ^2/NDF:1778791.8/17

Out: 36.564+/-0.009 χ^2/NDF:2071400.4/22

All: 36.805+/-0.007 χ^2/NDF: 3851682.8/40

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: 0.042+/-0.022 χ^2/NDF:10.5/3

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: 0.027+/-0.017 χ^2/NDF: 16.4/5

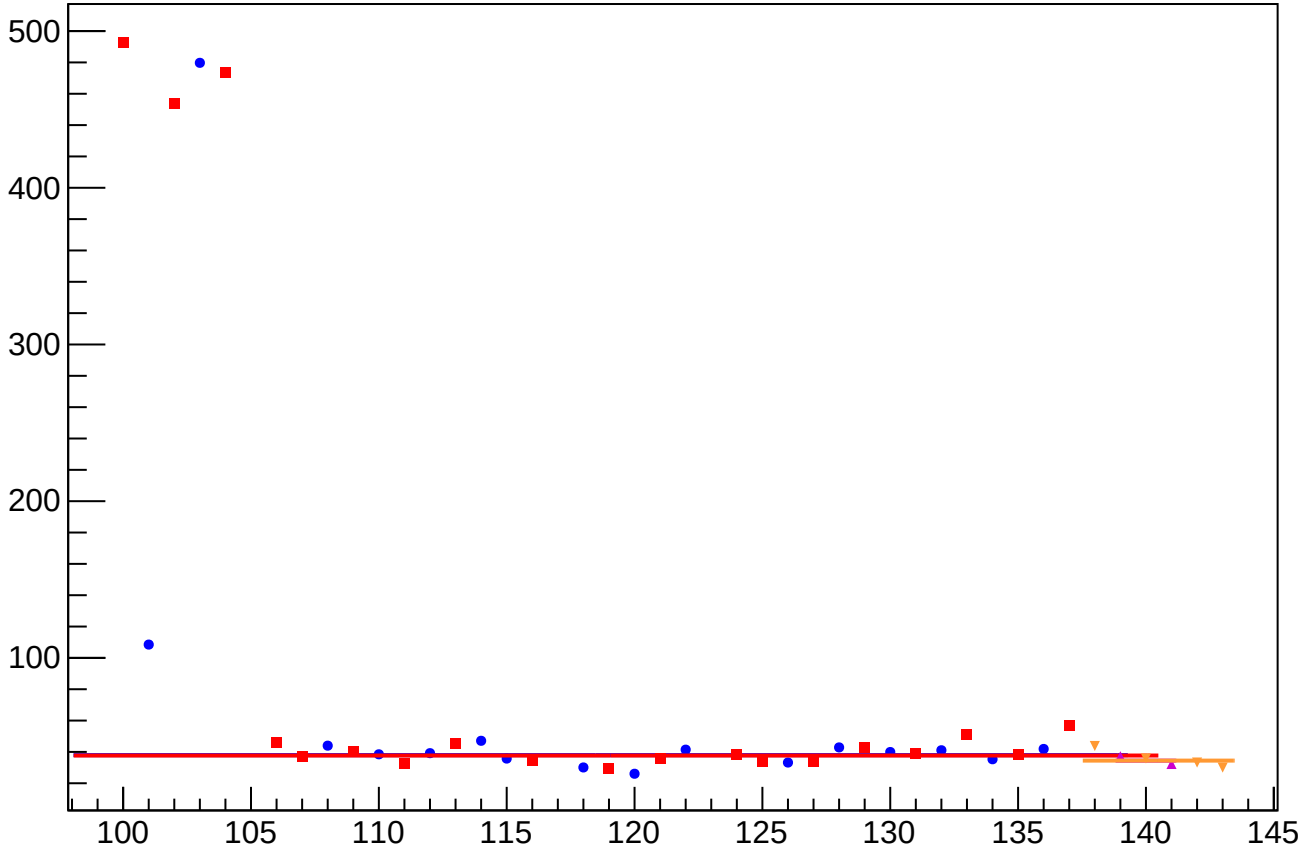
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.011+/-0.014 χ^2/NDF:26.9/17

Out: 0.018+/-0.013 χ^2/NDF:27.2/22

All: 0.015+/-0.009 χ^2/NDF: 54.2/40

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: 34.451+/-0.016 χ^2/NDF:97956.6/3

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.413+/-0.020 χ^2/NDF:15191.6/1

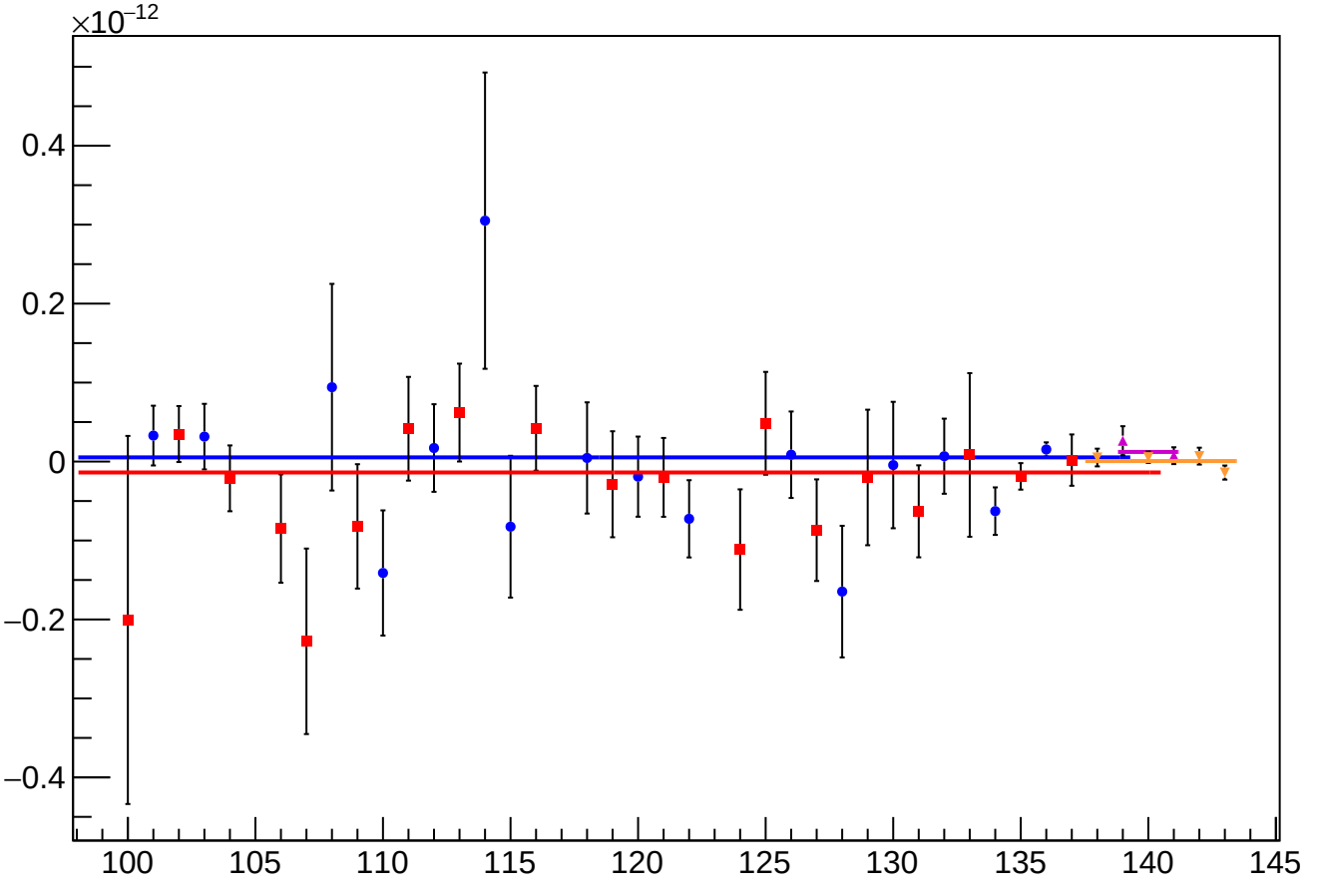
Left: 34.436+/-0.012 χ^2/NDF: 113150.4/5

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.082+/-0.010 χ^2/NDF:1778791.8/17

Out: 36.564+/-0.009 χ^2/NDF:2071400.4/22

All: 36.805+/-0.007 χ^2/NDF: 3851682.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/1

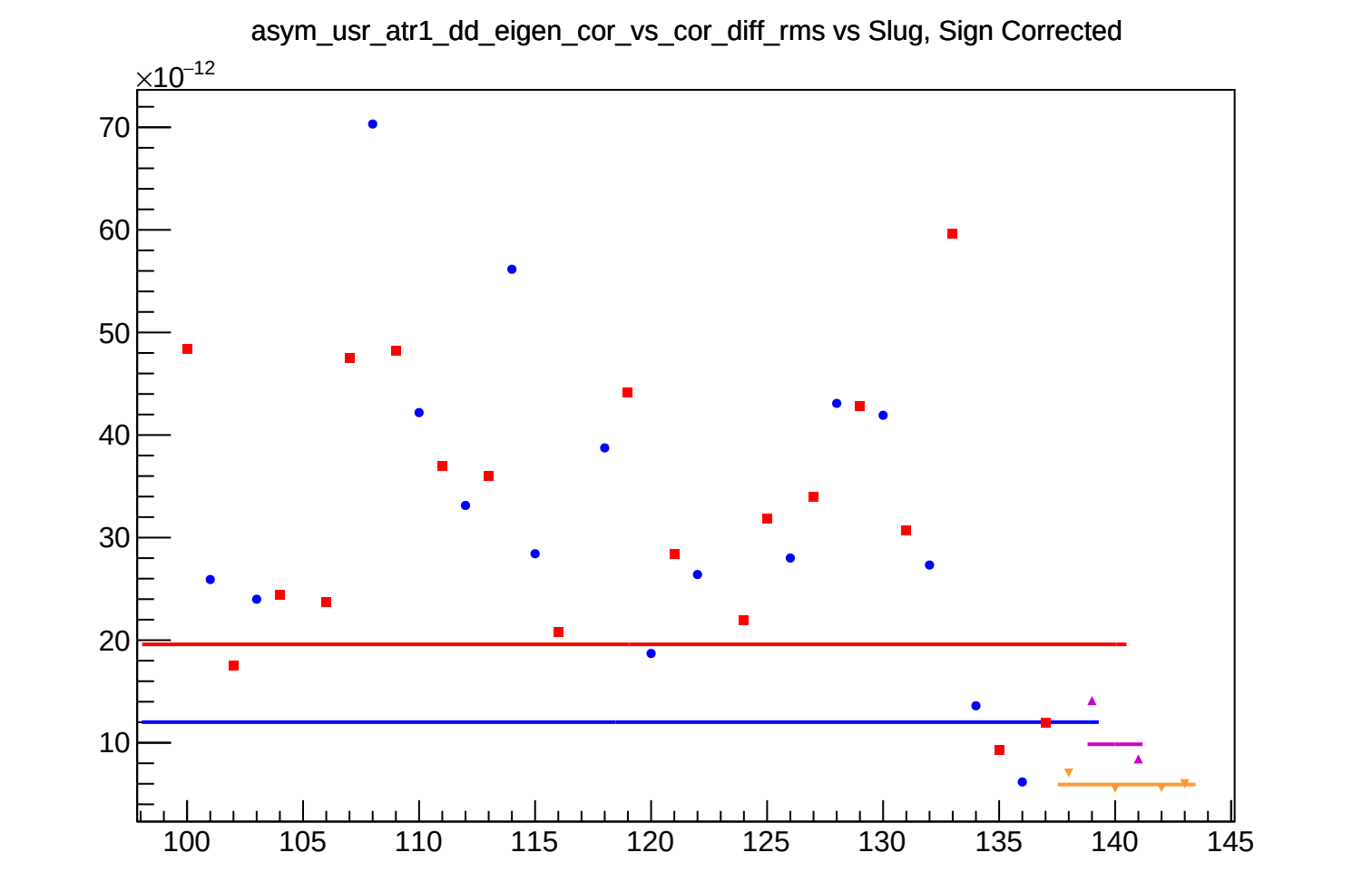
Left: 0.000+/-0.000 χ^2/NDF: 5.7/5

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:21.2/22

All: 0.000+/-0.000 χ^2/NDF: 45.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26713.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:143420.8/1

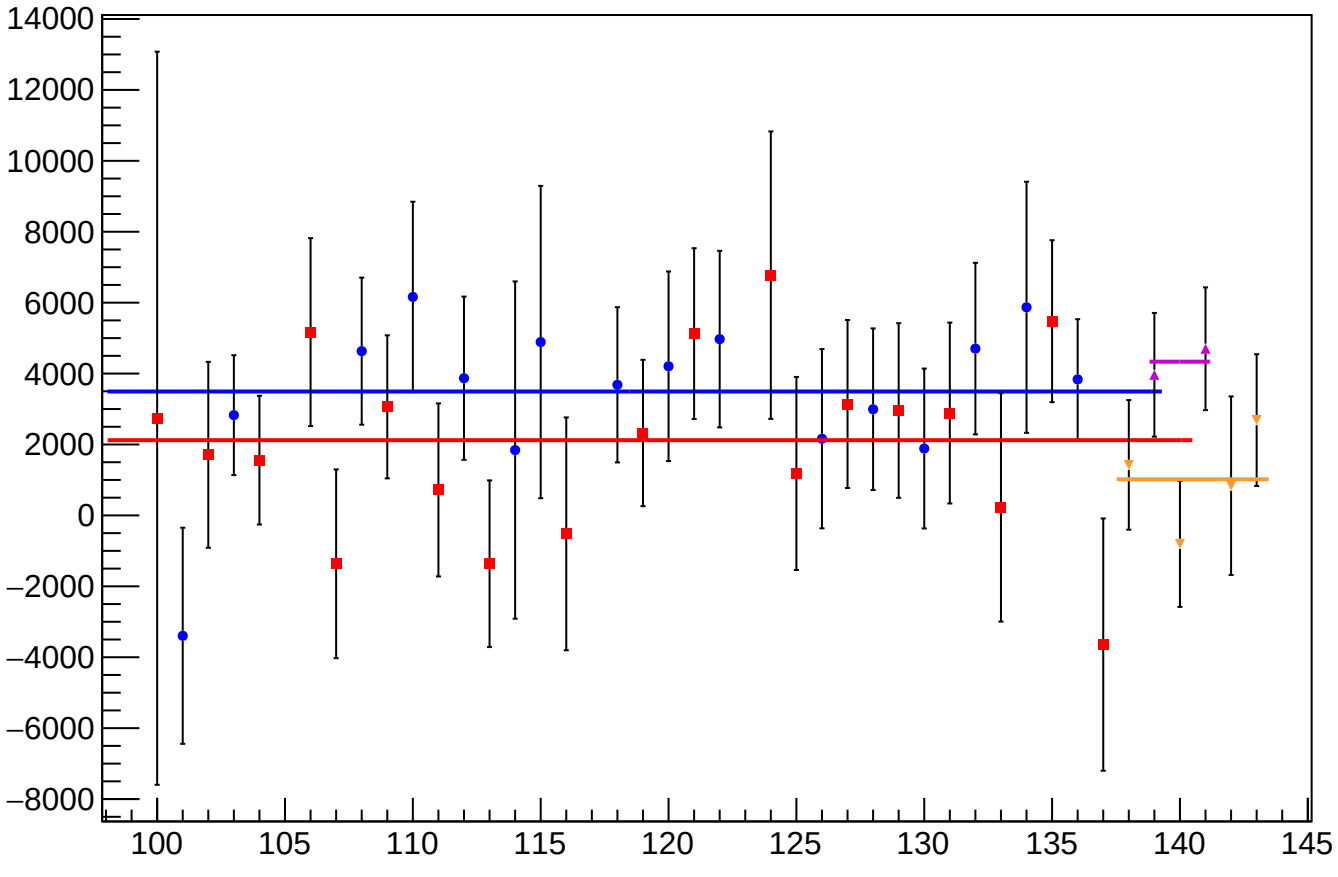
Left: 0.000+/-0.000 χ^2/NDF: 461993.8/5

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:5469658.7/22

All: 0.000+/-0.000 χ^2/NDF: 9914222.4/40



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.966+/-969.642 χ^2/NDF:1.9/3

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 4336.023+/-1228.887 χ^2/NDF:0.1/1

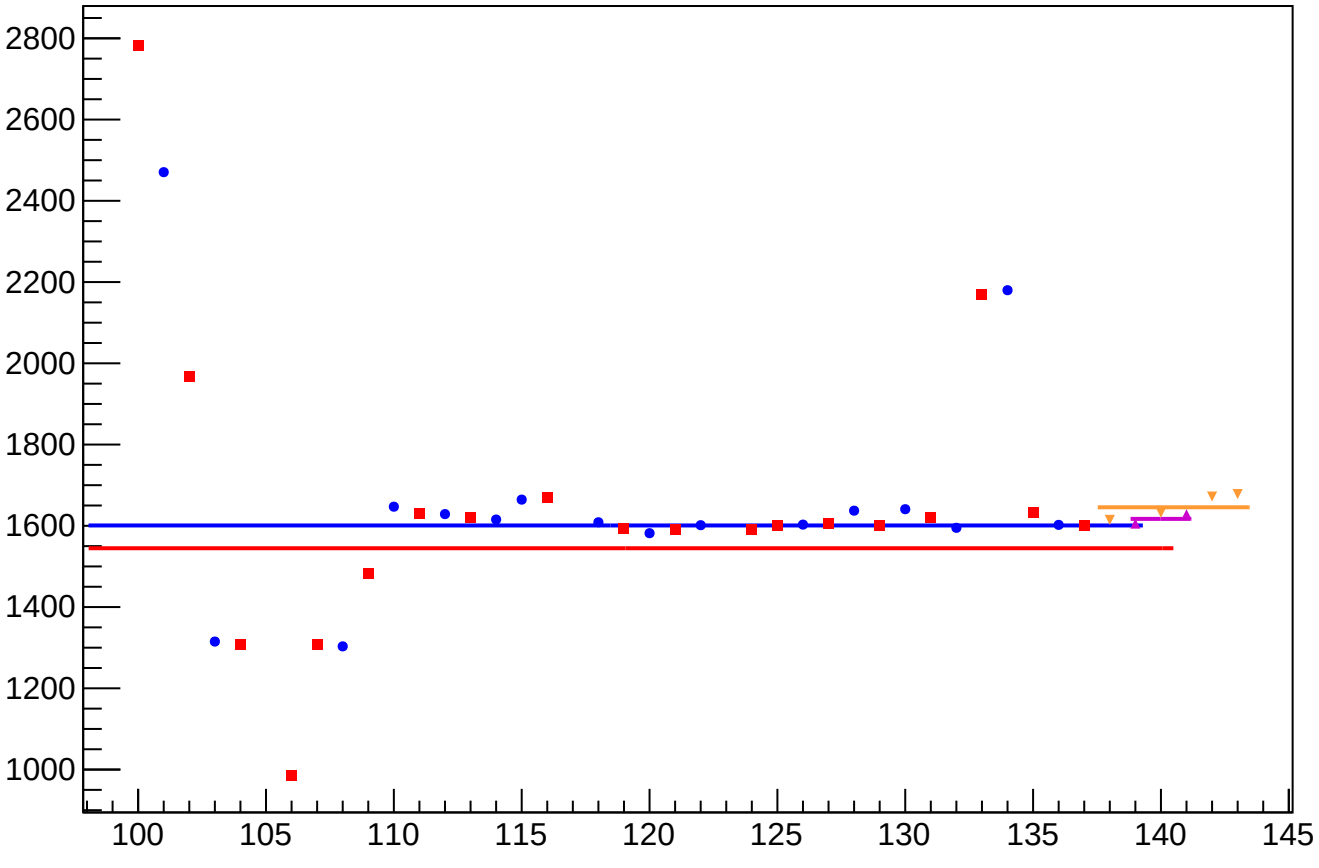
Left: 2291.719+/-761.215 χ^2/NDF: 6.5/5

Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3656.910+/-540.026 χ^2/NDF:9.3/17

Out: 1825.511+/-502.539 χ^2/NDF:17.9/22

All: 2675.443+/-367.888 χ^2/NDF: 33.4/40



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1645.619+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

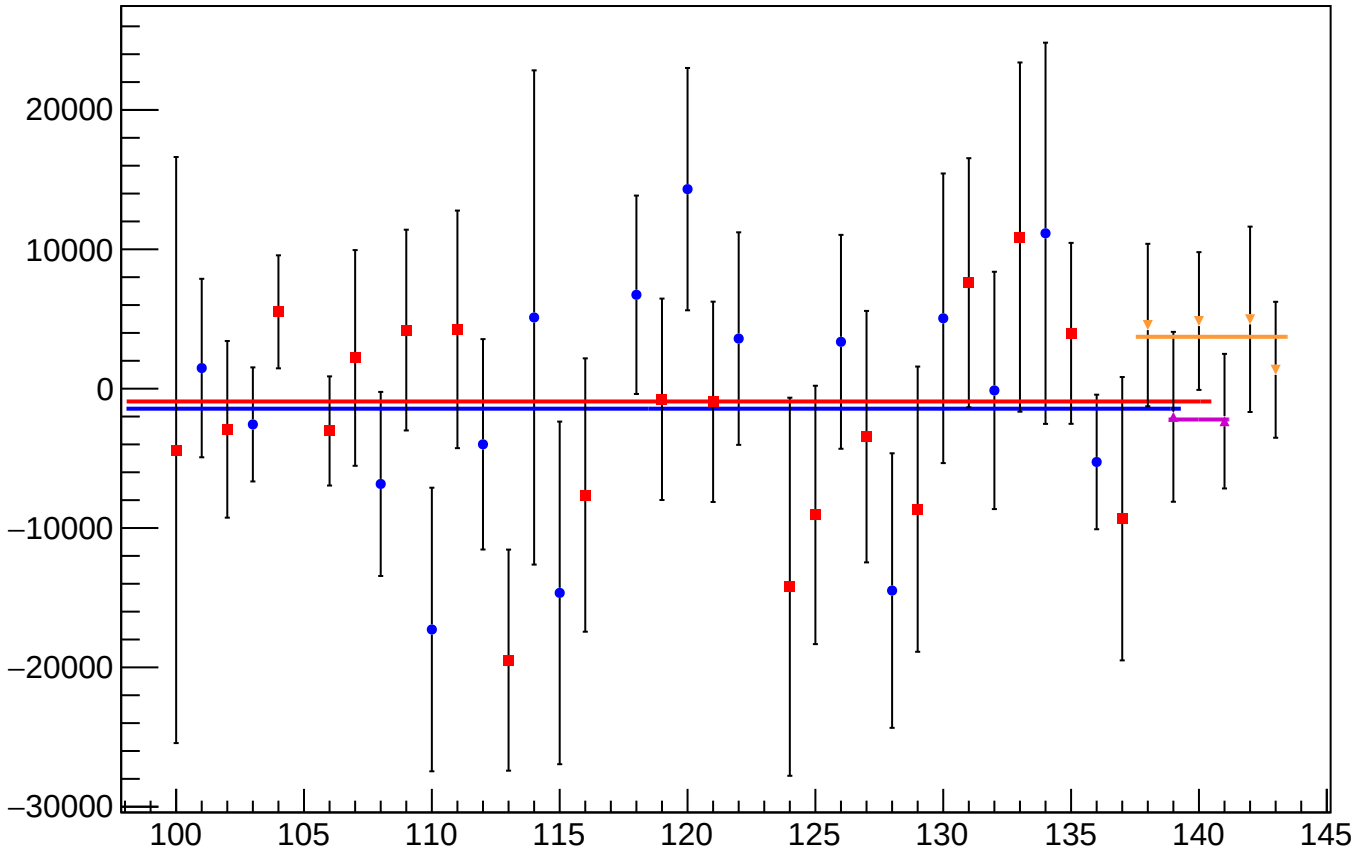
Left: 1634.659+/-0.538 χ^2/NDF: 2366.1/5

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1604.003+/-0.382 χ^2/NDF:317868.6/17

Out: 1571.227+/-0.351 χ^2/NDF:393605.7/22

All: 1586.237+/-0.258 χ^2/NDF: 715467.9/40



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3722.381+/-2721.620 χ^2/NDF:0.3/3

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: -2212.211+/-3785.032 χ^2/NDF:0.0/1

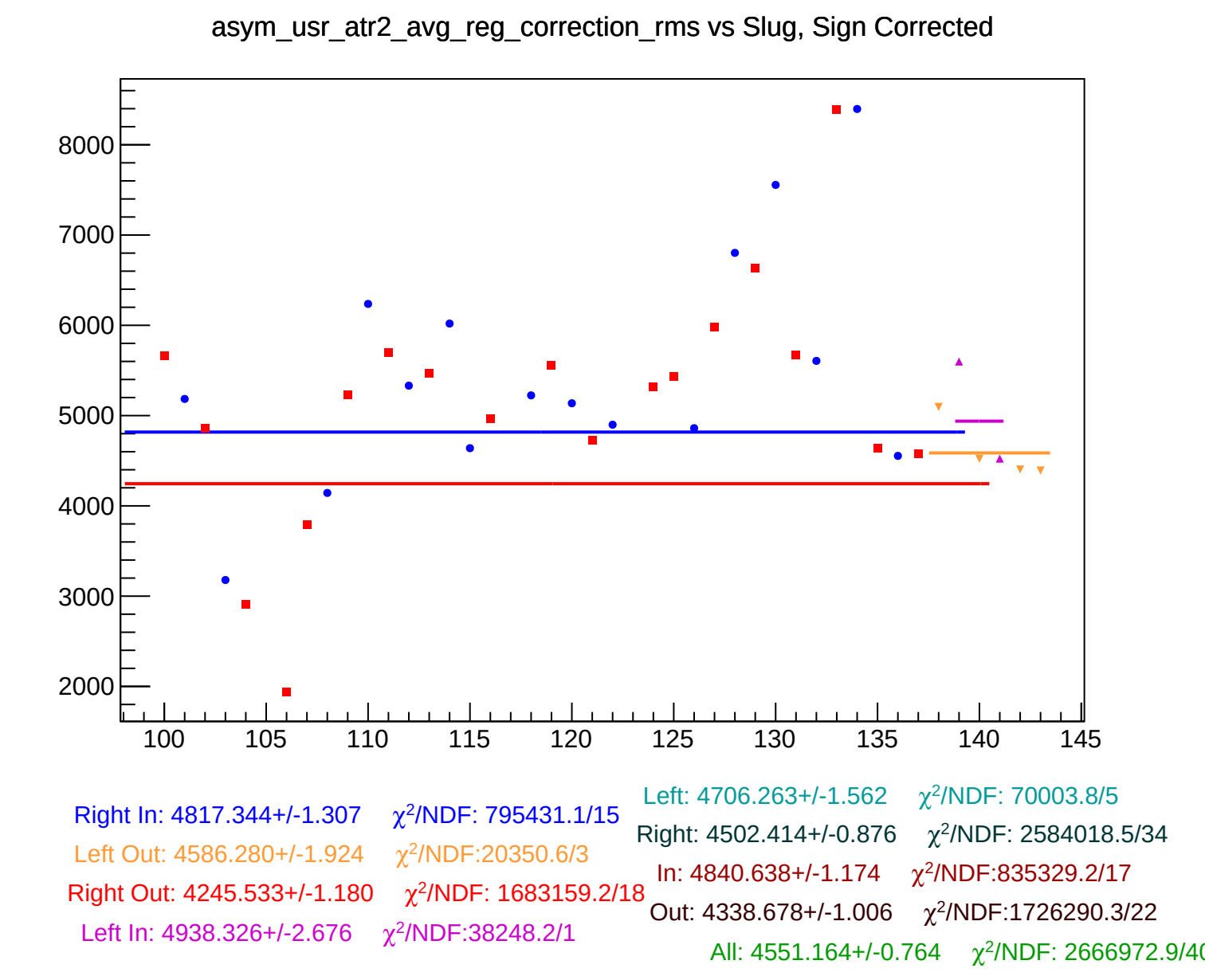
Left: 1699.769+/-2209.685 χ^2/NDF: 2.0/5

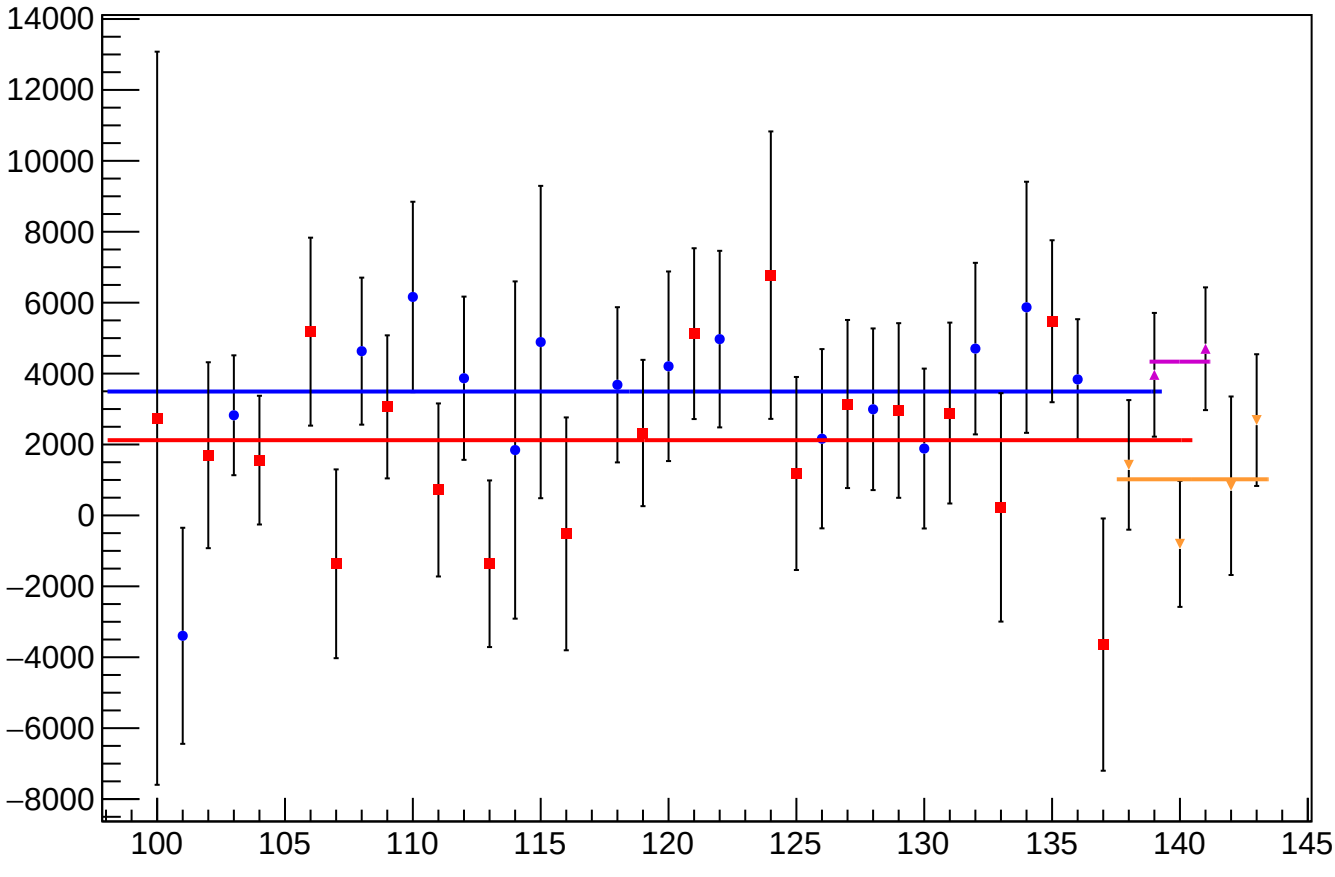
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -1586.355+/-1660.848 χ^2/NDF:13.9/17

Out: 350.114+/-1422.952 χ^2/NDF:17.8/22

All: -469.617+/-1080.589 χ^2/NDF: 32.5/40


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4586.280+/-1.924 χ²/NDF:20350.6/3
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4938.326+/-2.676 χ²/NDF:38248.2/1
Left: 4706.263+/-1.562 χ²/NDF: 70003.8/5
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4840.638+/-1.174 χ²/NDF:835329.2/17
Out: 4338.678+/-1.006 χ²/NDF:1726290.3/22
All: 4551.164+/-0.764 χ²/NDF: 2666972.9/40



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.815+/-969.642 χ^2/NDF:1.9/3

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 4336.227+/-1228.887 χ^2/NDF:0.1/1

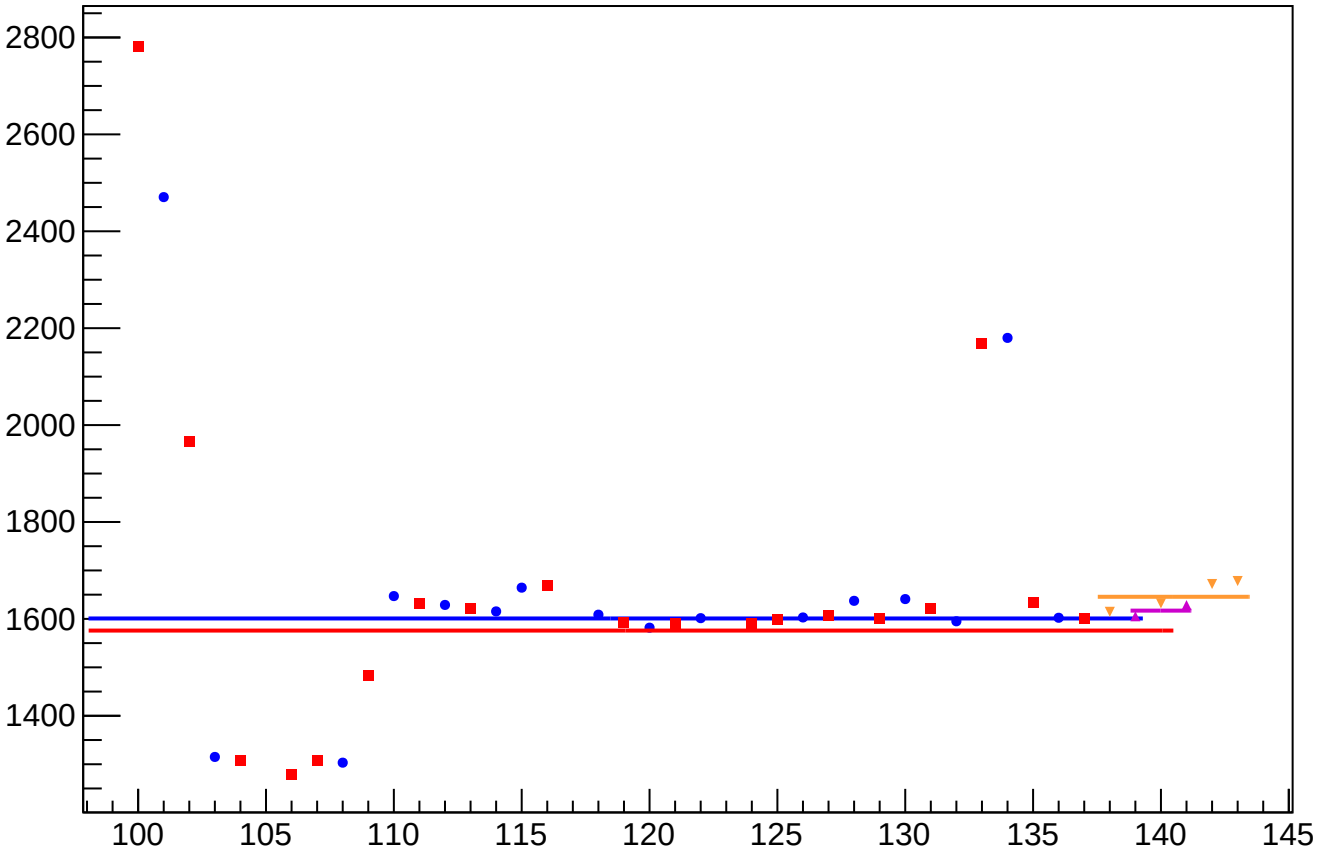
Left: 2291.704+/-761.215 χ^2/NDF: 6.5/5

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3656.680+/-540.027 χ^2/NDF:9.3/17

Out: 1825.461+/-502.541 χ^2/NDF:18.0/22

All: 2675.314+/-367.889 χ^2/NDF: 33.4/40



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1645.620+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

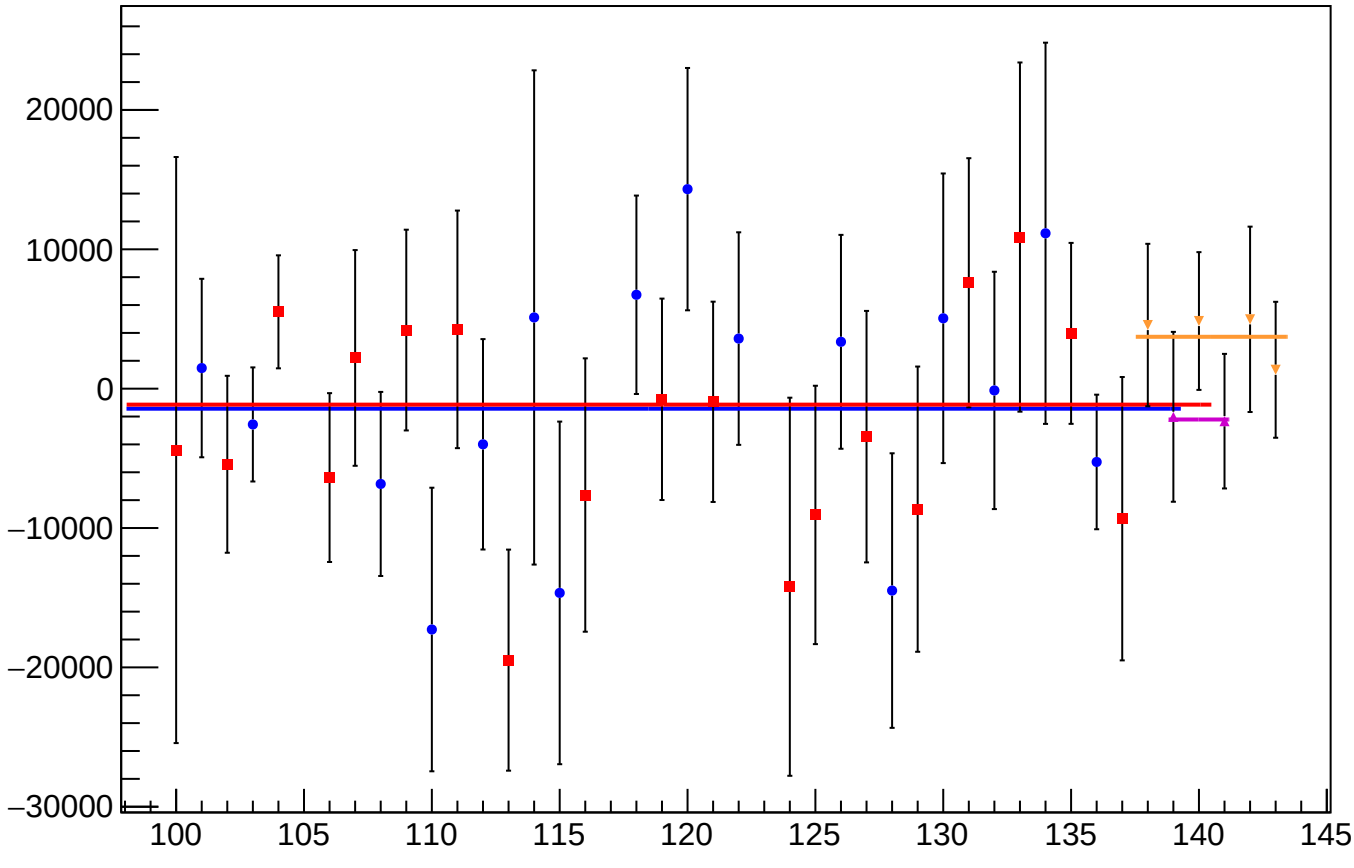
Left: 1634.659+/-0.538 χ^2/NDF: 2366.1/5

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1604.003+/-0.382 χ^2/NDF:317867.7/17

Out: 1594.520+/-0.354 χ^2/NDF:252435.6/22

All: 1598.907+/-0.260 χ^2/NDF: 570634.7/40



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3722.163+/-2721.608 χ^2/NDF:0.3/3

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -2212.197+/-3785.027 χ^2/NDF:0.0/1

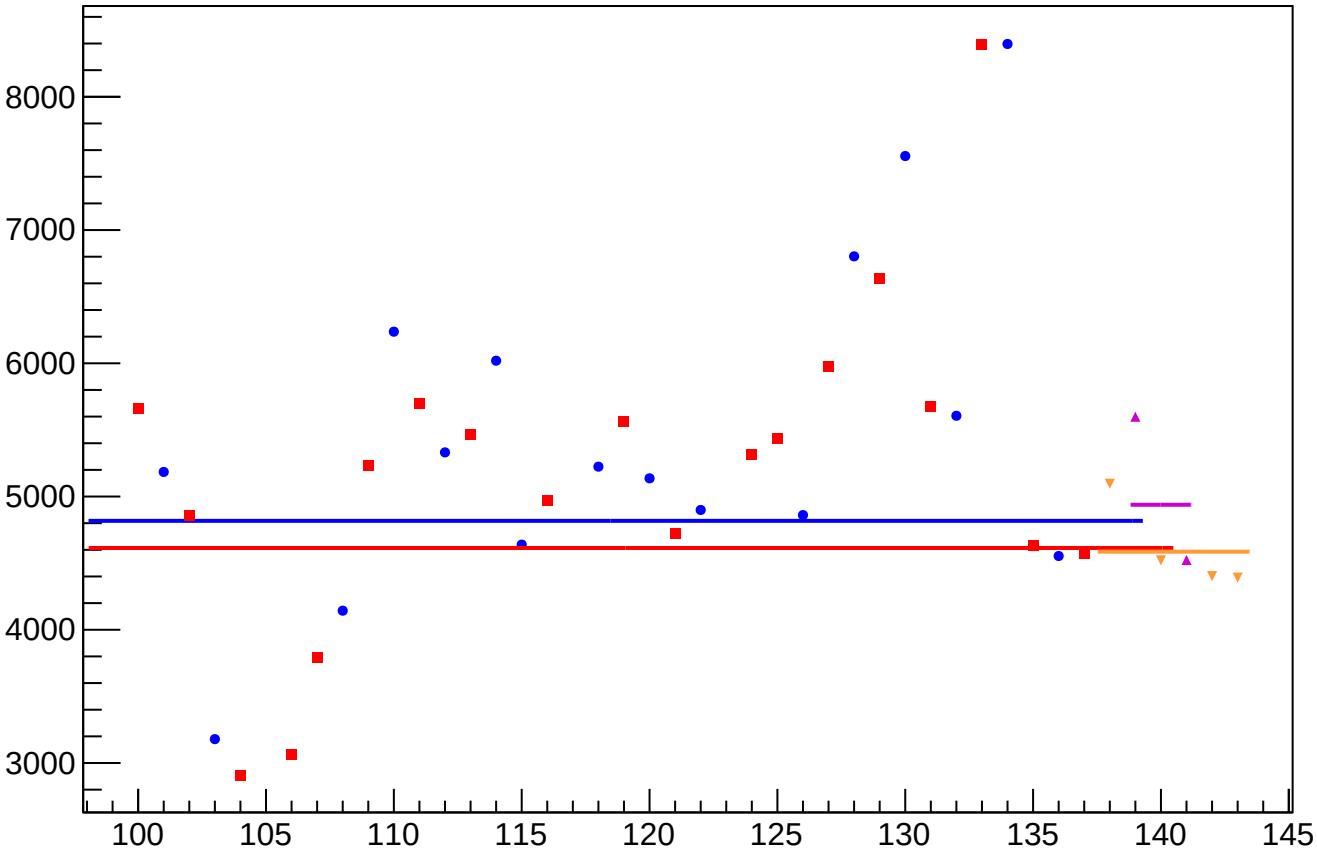
Left: 1699.639+/-2209.678 χ^2/NDF: 2.0/5

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -1586.554+/-1660.875 χ^2/NDF:13.9/17

Out: 295.573+/-1481.085 χ^2/NDF:18.8/22

All: -538.142+/-1105.405 χ^2/NDF: 33.5/40



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4586.259+/-1.924 χ^2/NDF:20351.9/3

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4938.319+/-2.676 χ^2/NDF:38249.0/1

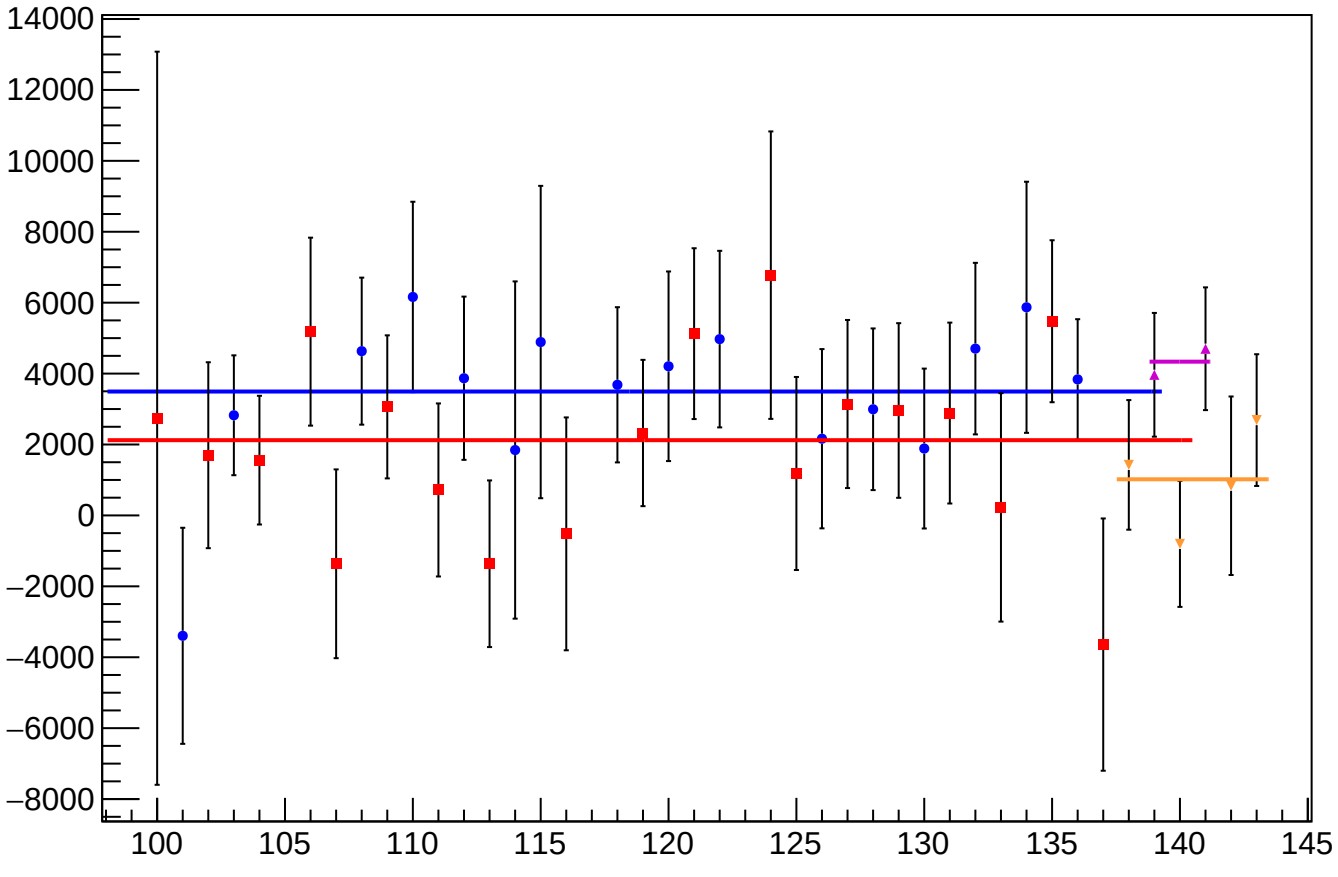
Left: 4706.247+/-1.562 χ^2/NDF: 70006.9/5

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4840.747+/-1.174 χ^2/NDF:835128.3/17

Out: 4605.679+/-1.047 χ^2/NDF:998454.8/22

All: 4709.806+/-0.782 χ^2/NDF: 1855899.5/40



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1018.815+/-969.642 χ^2/NDF:1.9/3

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 4336.227+/-1228.887 χ^2/NDF:0.1/1

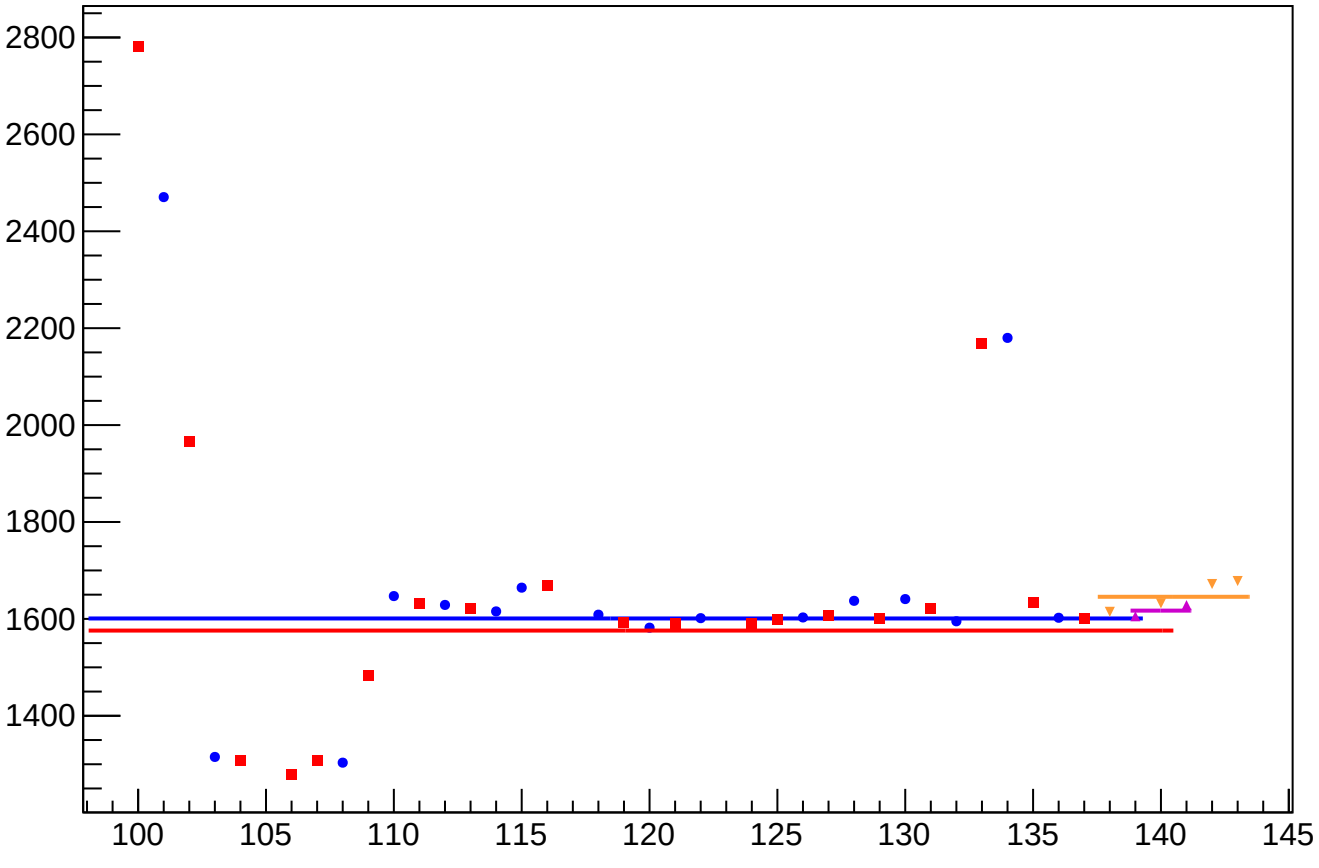
Left: 2291.704+/-761.215 χ^2/NDF: 6.5/5

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3656.680+/-540.027 χ^2/NDF:9.3/17

Out: 1825.461+/-502.541 χ^2/NDF:18.0/22

All: 2675.314+/-367.889 χ^2/NDF: 33.4/40



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1645.620+/-0.686 χ^2/NDF:1525.2/3

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1617.055+/-0.869 χ^2/NDF:175.0/1

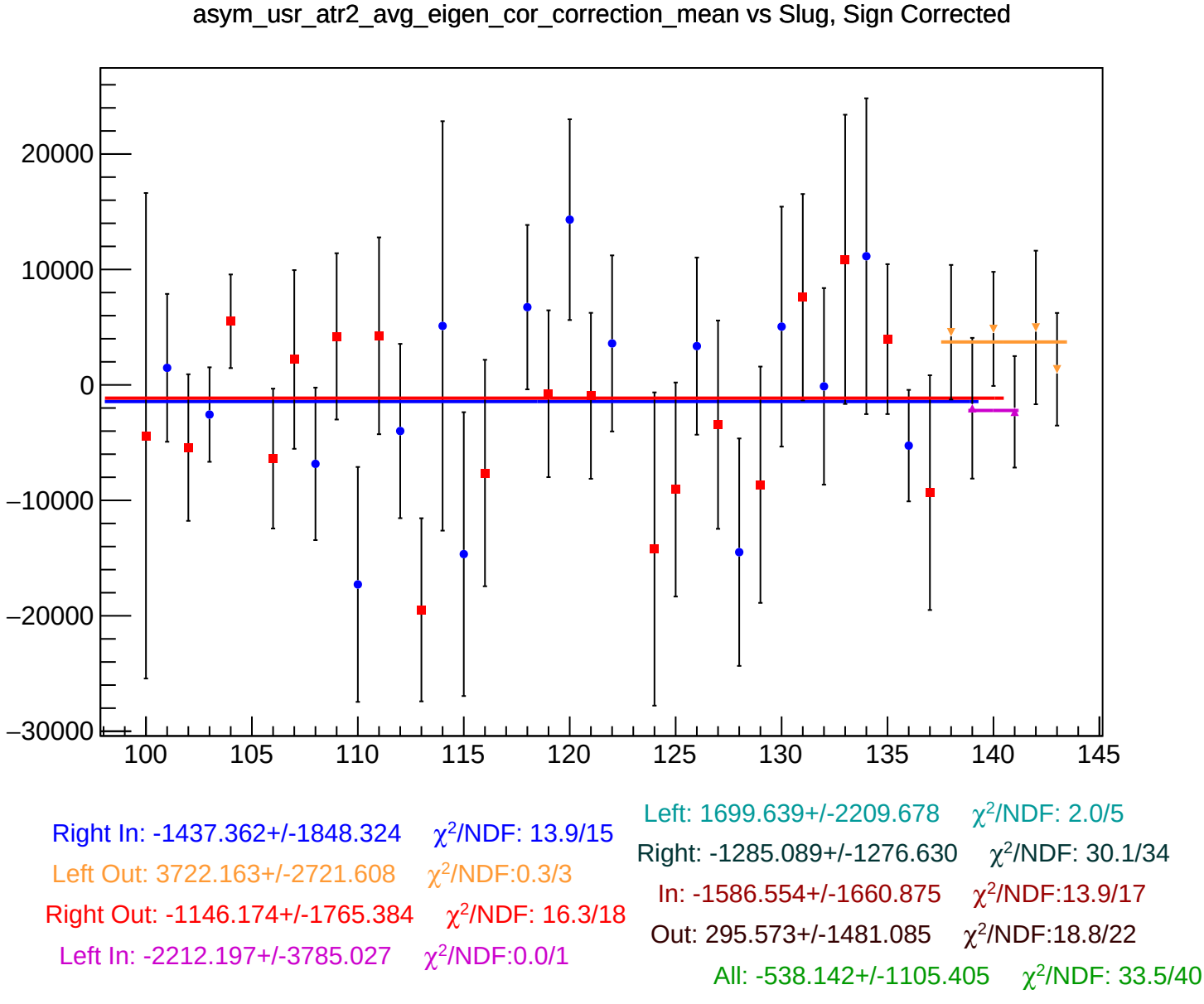
Left: 1634.659+/-0.538 χ^2/NDF: 2366.1/5

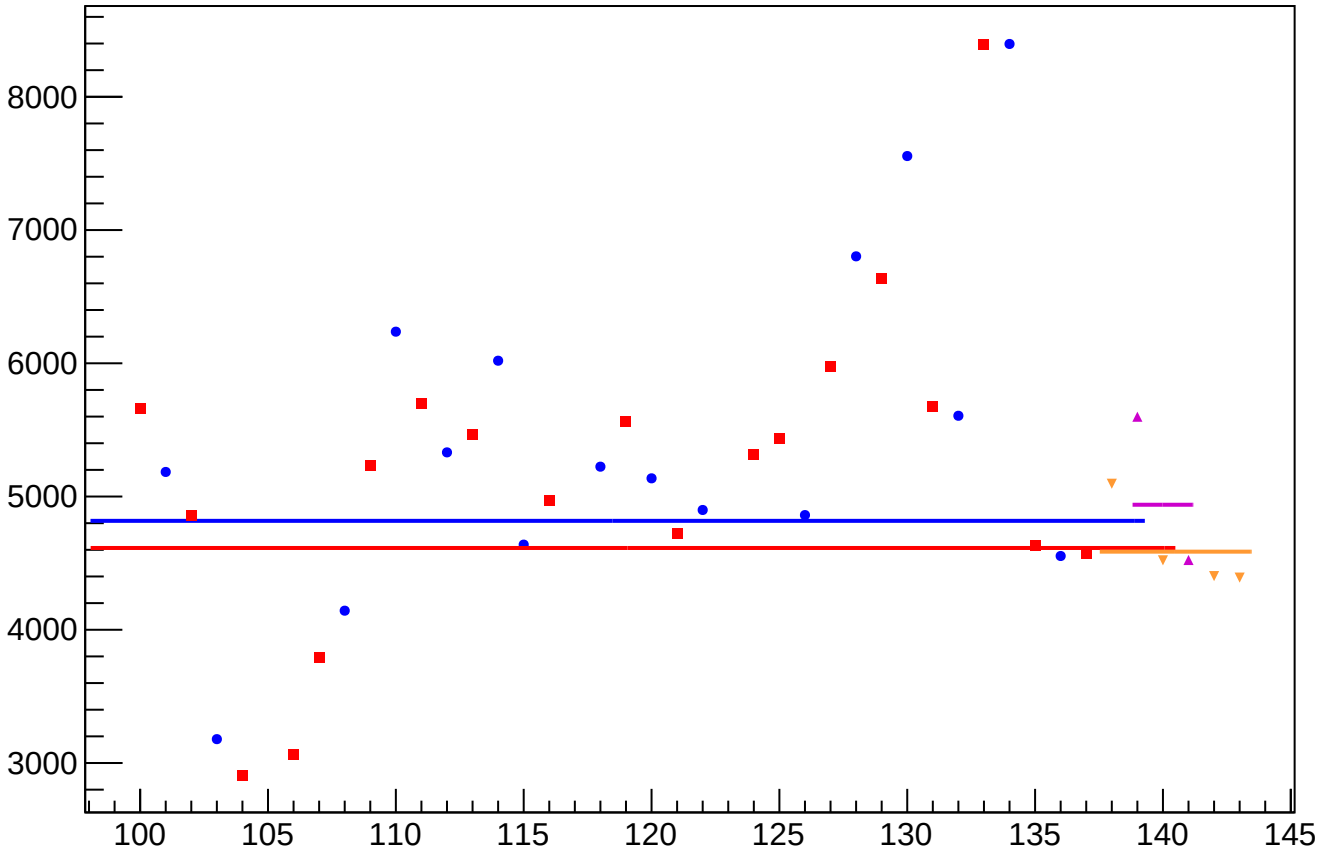
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1604.003+/-0.382 χ^2/NDF:317867.7/17

Out: 1594.520+/-0.354 χ^2/NDF:252435.6/22

All: 1598.907+/-0.260 χ^2/NDF: 570634.7/40


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
105
110
115
120
125
130
135
140
145
Right In: -1437.362+/-1848.324 χ²/NDF: 13.9/15
Left Out: 3722.163+/-2721.608 χ²/NDF:0.3/3
Right Out: -1146.174+/-1765.384 χ²/NDF: 16.3/18
Left In: -2212.197+/-3785.027 χ²/NDF:0.0/1
Left: 1699.639+/-2209.678 χ²/NDF: 2.0/5
Right: -1285.089+/-1276.630 χ²/NDF: 30.1/34
In: -1586.554+/-1660.875 χ²/NDF:13.9/17
Out: 295.573+/-1481.085 χ²/NDF:18.8/22
All: -538.142+/-1105.405 χ²/NDF: 33.5/40



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4586.259+/-1.924 χ^2/NDF:20351.9/3

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4938.319+/-2.676 χ^2/NDF:38249.0/1

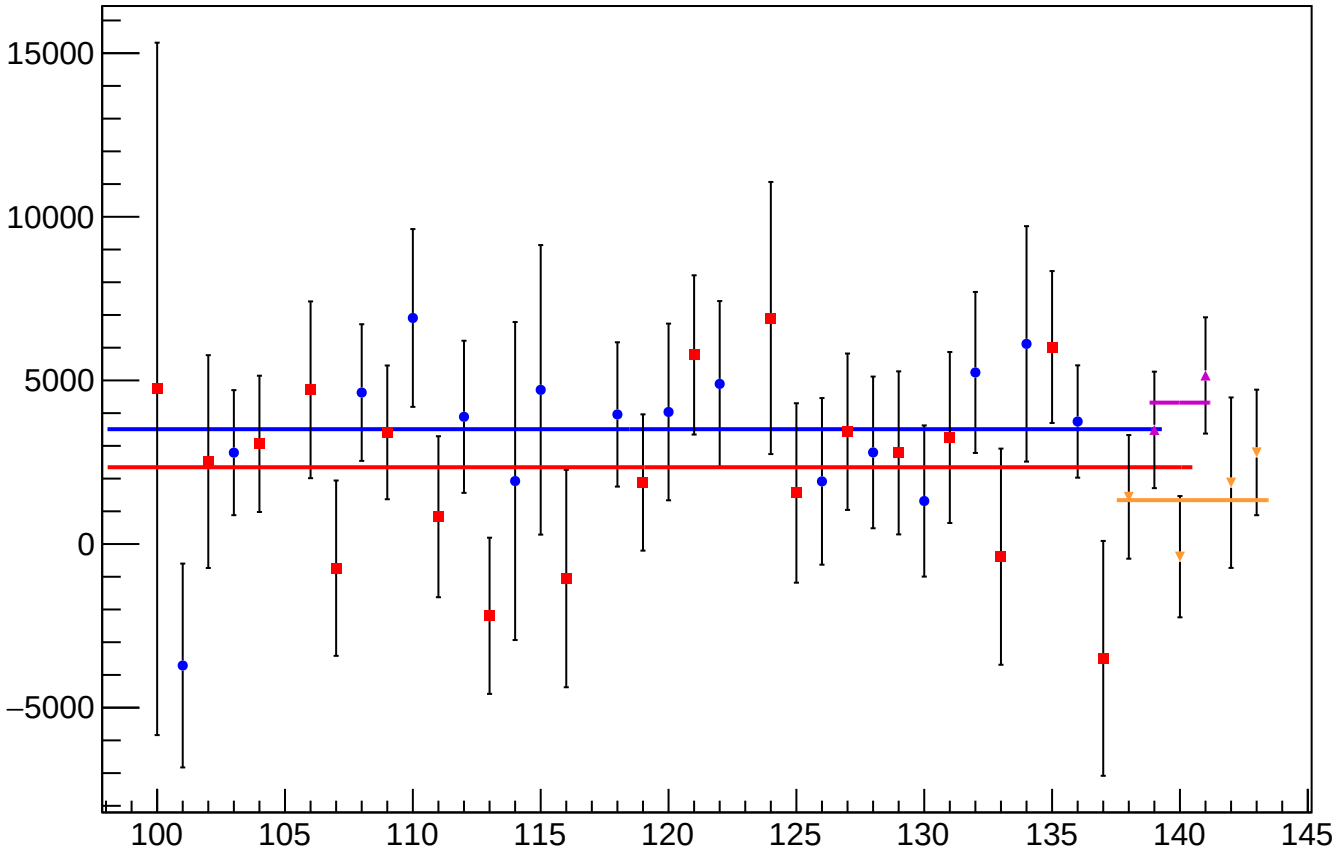
Left: 4706.247+/-1.562 χ^2/NDF: 70006.9/5

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4840.747+/-1.174 χ^2/NDF:835128.3/17

Out: 4605.679+/-1.047 χ^2/NDF:998454.8/22

All: 4709.806+/-0.782 χ^2/NDF: 1855899.5/40



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1341.168+/-1004.804 χ^2/NDF:1.5/3

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 4321.213+/-1257.450 χ^2/NDF:0.4/1

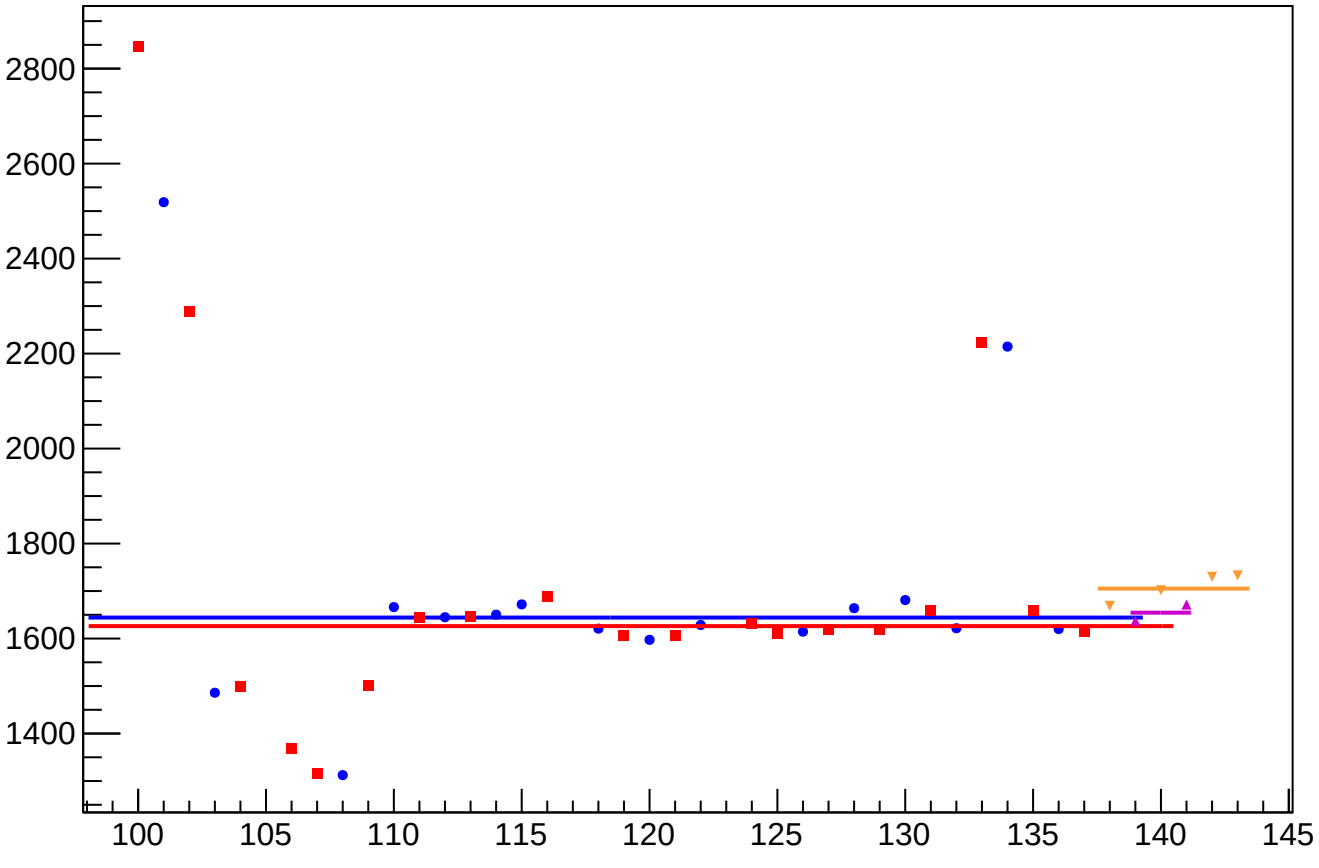
Left: 2502.482+/-784.972 χ^2/NDF: 5.4/5

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3666.900+/-553.713 χ^2/NDF:11.2/17

Out: 2077.647+/-519.871 χ^2/NDF:19.3/22

All: 2822.227+/-379.004 χ^2/NDF: 34.9/40



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1705.137+/-0.711 χ^2/NDF:1349.8/3

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1654.482+/-0.889 χ^2/NDF:374.9/1

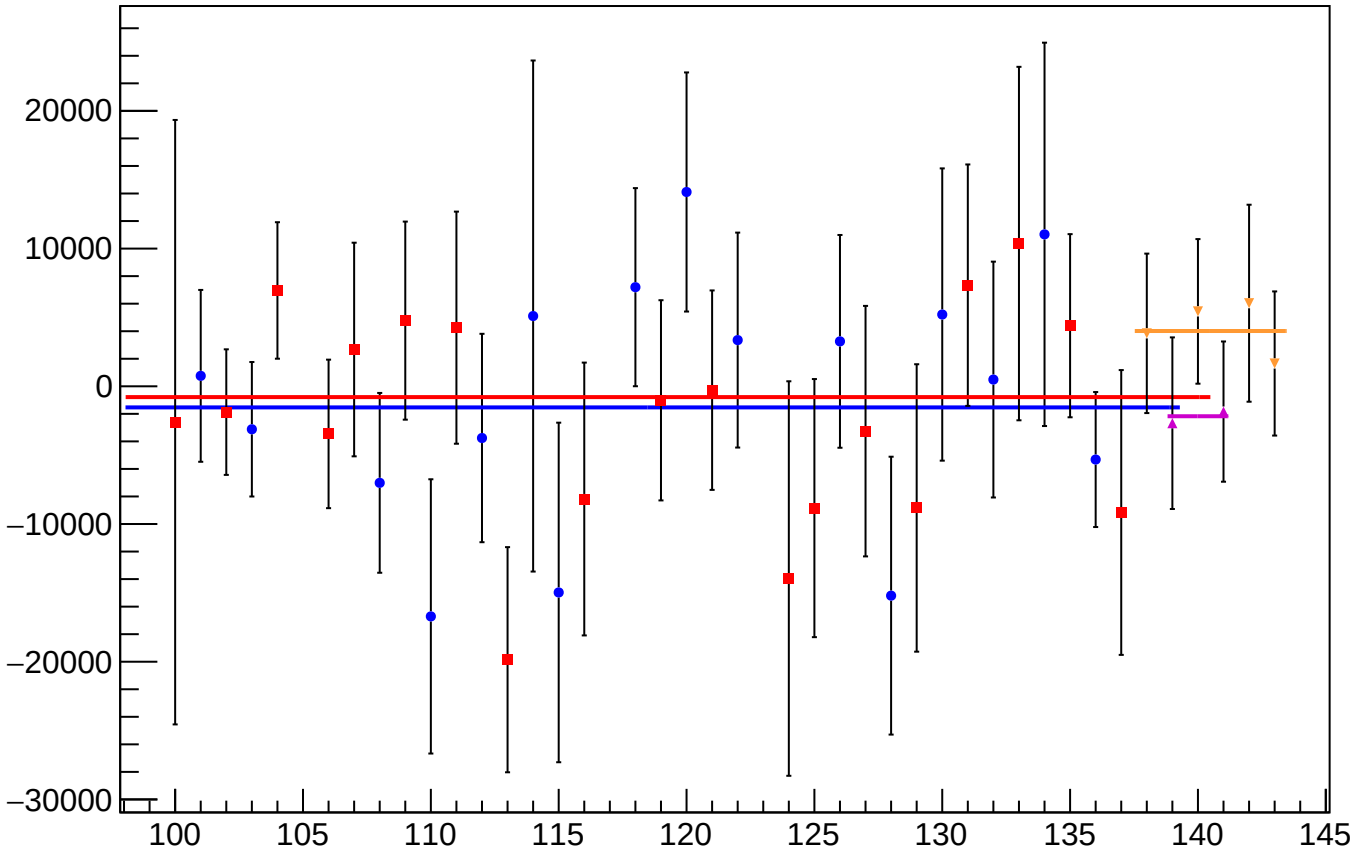
Left: 1685.397+/-0.555 χ^2/NDF: 3705.6/5

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1646.192+/-0.392 χ^2/NDF:275300.6/17

Out: 1647.285+/-0.367 χ^2/NDF:248038.3/22

All: 1646.773+/-0.268 χ^2/NDF: 523343.1/40



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4015.120+/-2861.059 χ^2/NDF:0.4/3

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: -2174.182+/-3942.647 χ^2/NDF:0.0/1

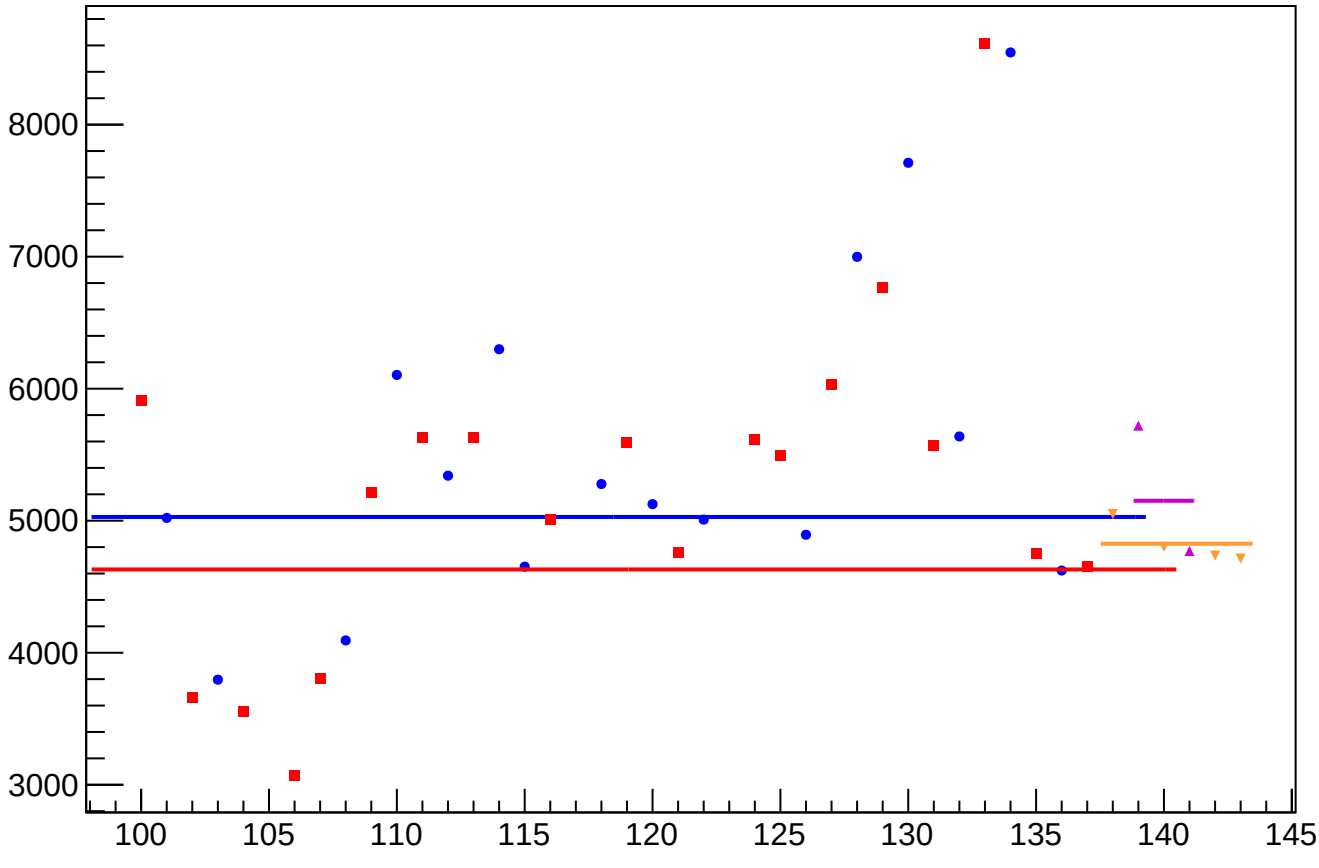
Left: 1880.133+/-2315.606 χ^2/NDF: 2.0/5

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -1654.548+/-1721.684 χ^2/NDF:13.9/17

Out: 520.911+/-1491.987 χ^2/NDF:17.4/22

All: -412.118+/-1127.523 χ^2/NDF: 32.3/40



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4825.653+/-2.023 χ^2/NDF:4300.8/3

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5151.014+/-2.788 χ^2/NDF:27852.6/1

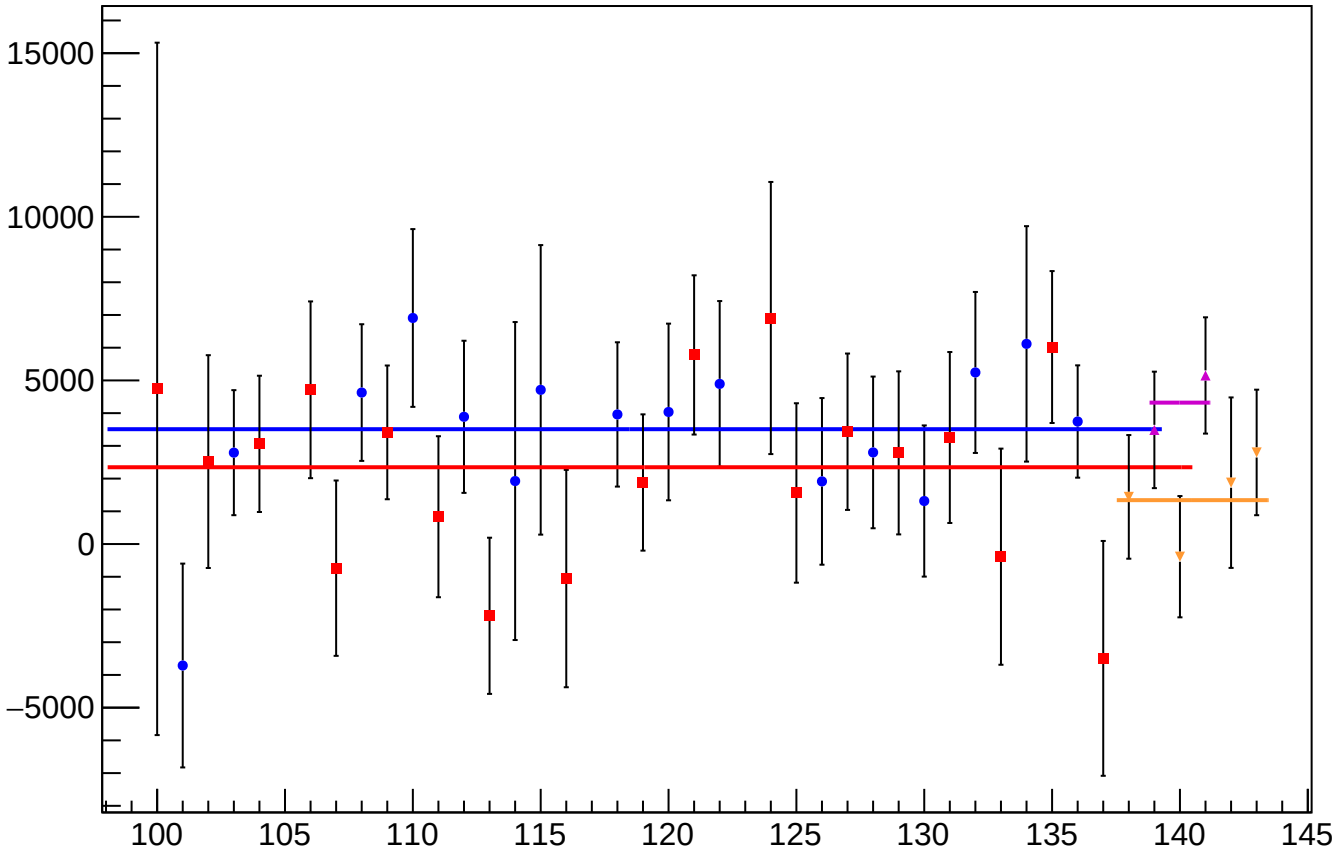
Left: 4937.885+/-1.637 χ^2/NDF: 41075.4/5

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5051.821+/-1.217 χ^2/NDF:594886.3/17

Out: 4683.862+/-1.055 χ^2/NDF:874562.6/22

All: 4841.676+/-0.797 χ^2/NDF: 1521621.7/40



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1341.165+/-1004.805 χ^2/NDF:1.5/3

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 4321.190+/-1257.451 χ^2/NDF:0.4/1

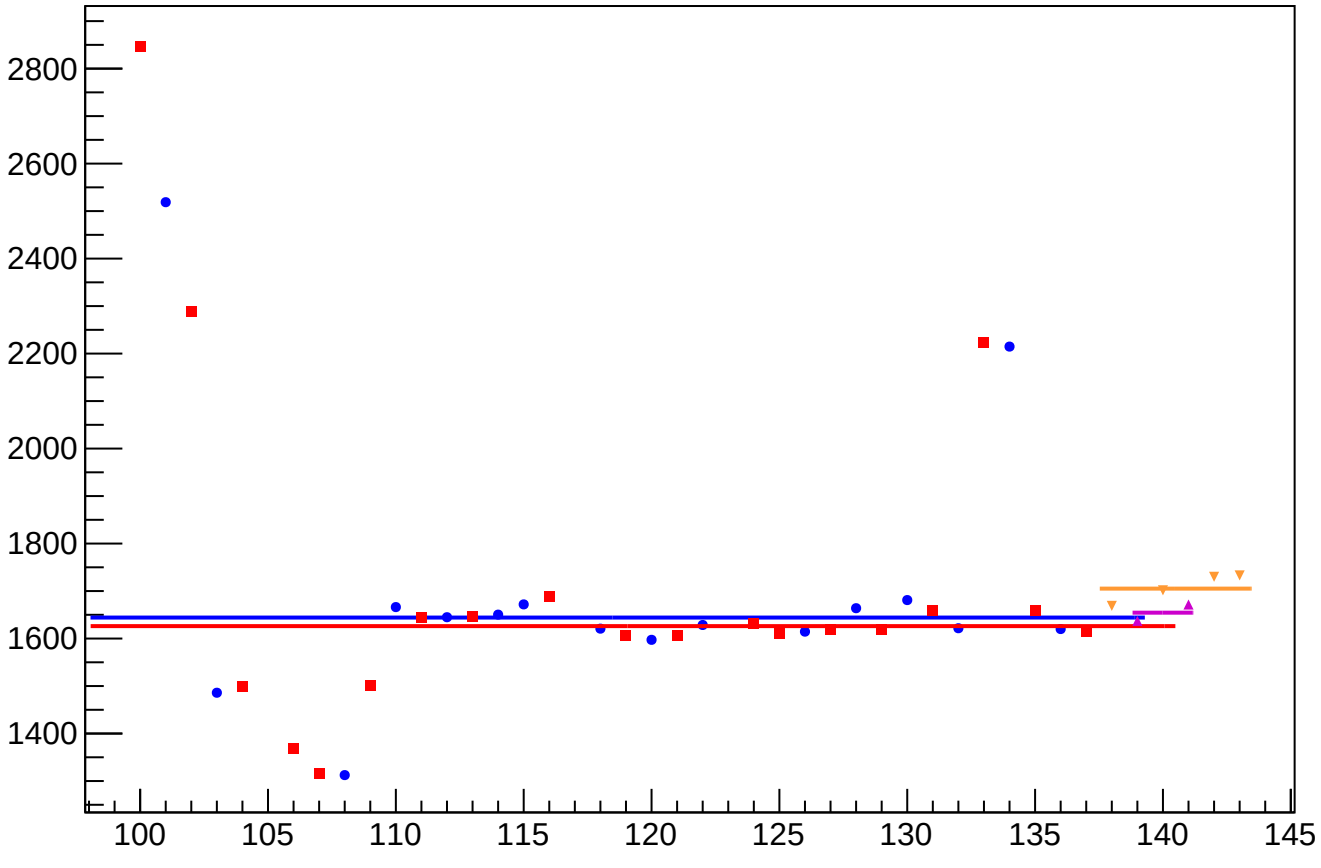
Left: 2502.472+/-784.972 χ^2/NDF: 5.4/5

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3666.897+/-553.712 χ^2/NDF:11.2/17

Out: 2077.651+/-519.871 χ^2/NDF:19.3/22

All: 2822.228+/-379.004 χ^2/NDF: 34.9/40



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1705.138+/-0.711 χ^2/NDF:1349.9/3

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1654.482+/-0.889 χ^2/NDF:374.9/1

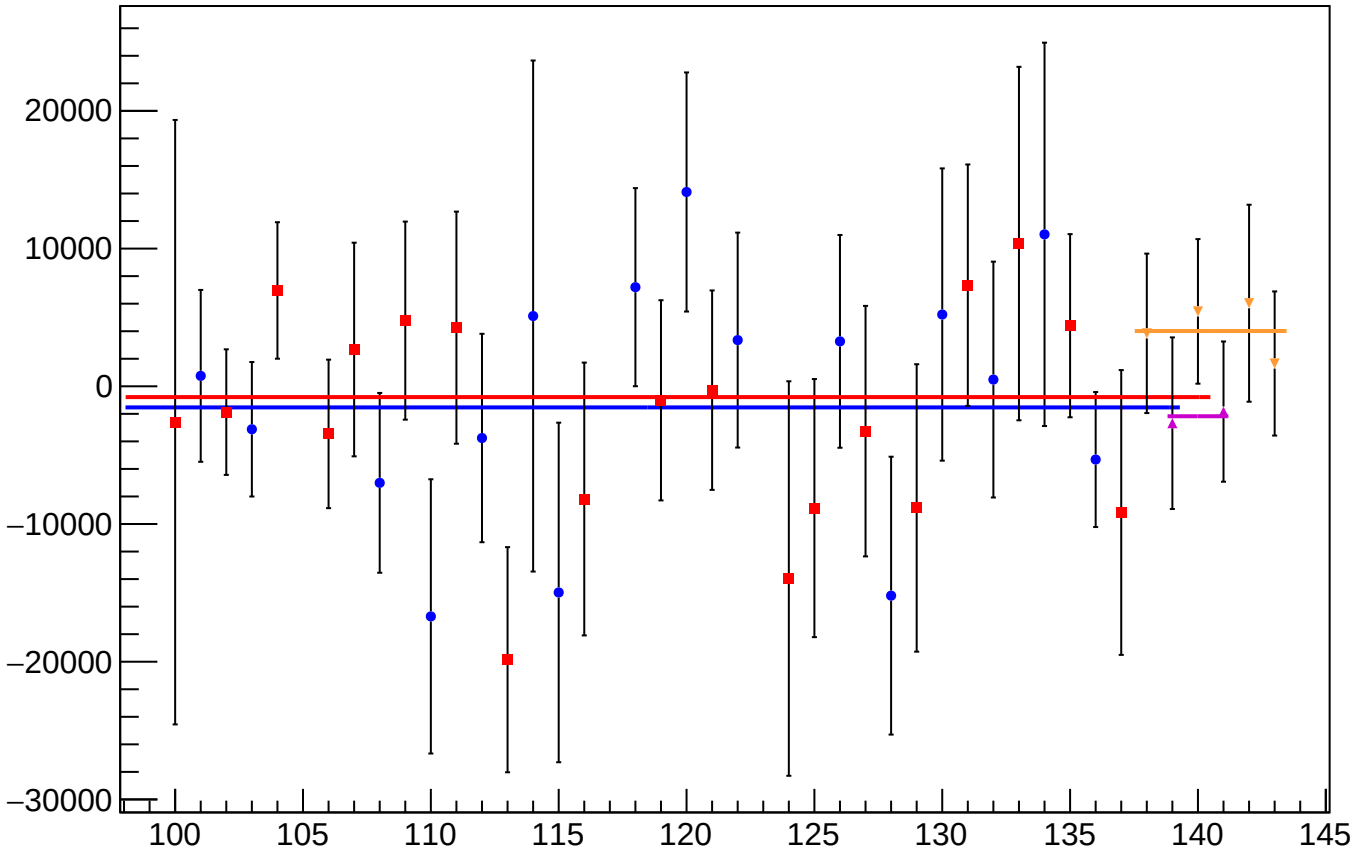
Left: 1685.398+/-0.555 χ^2/NDF: 3705.7/5

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1646.192+/-0.392 χ^2/NDF:275300.8/17

Out: 1647.285+/-0.367 χ^2/NDF:248038.2/22

All: 1646.773+/-0.268 χ^2/NDF: 523343.2/40



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4015.124+/-2861.063 χ^2/NDF:0.4/3

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -2174.203+/-3942.652 χ^2/NDF:0.0/1

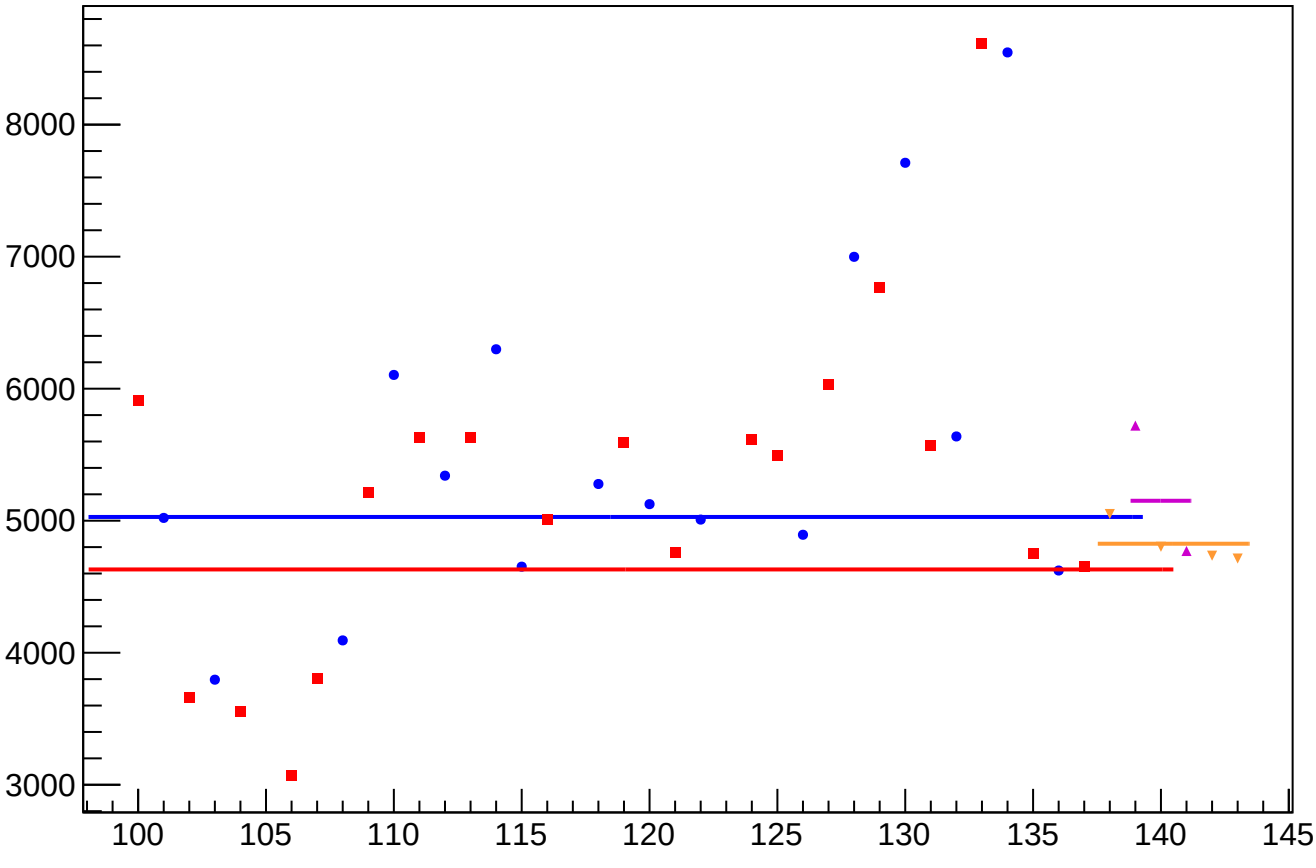
Left: 1880.128+/-2315.609 χ^2/NDF: 2.0/5

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -1654.539+/-1721.682 χ^2/NDF:13.9/17

Out: 520.906+/-1491.986 χ^2/NDF:17.4/22

All: -412.117+/-1127.522 χ^2/NDF: 32.3/40



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4825.659+/-2.023 χ^2/NDF:4300.9/3

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5151.019+/-2.788 χ^2/NDF:27853.4/1

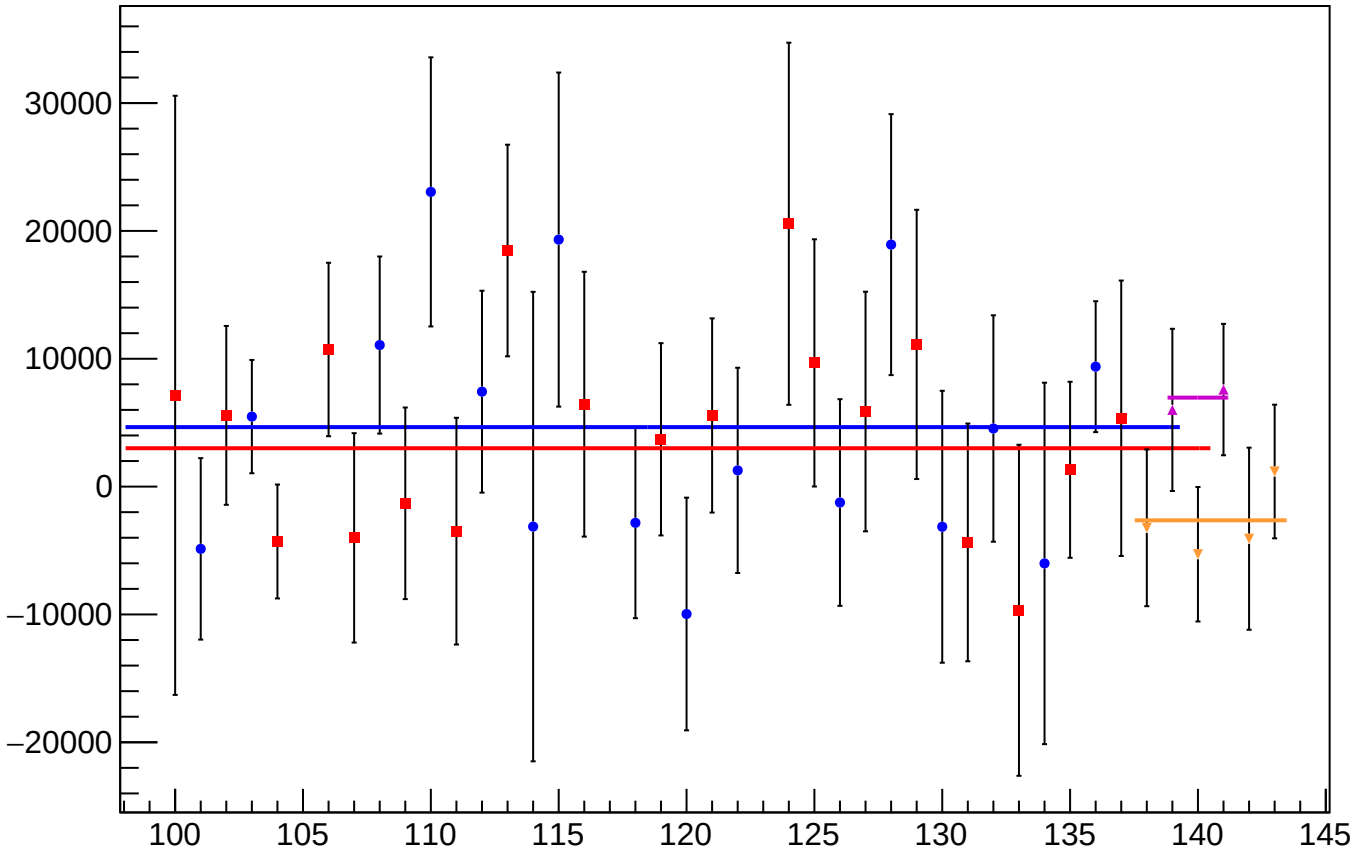
Left: 4937.891+/-1.637 χ^2/NDF: 41076.1/5

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5051.817+/-1.217 χ^2/NDF:594881.0/17

Out: 4683.859+/-1.055 χ^2/NDF:874557.7/22

All: 4841.672+/-0.797 χ^2/NDF: 1521611.2/40



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -2638.186+/-2898.231 χ^2/NDF:0.8/3

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: 673.972+/-2345.465 χ^2/NDF: 4.7/5

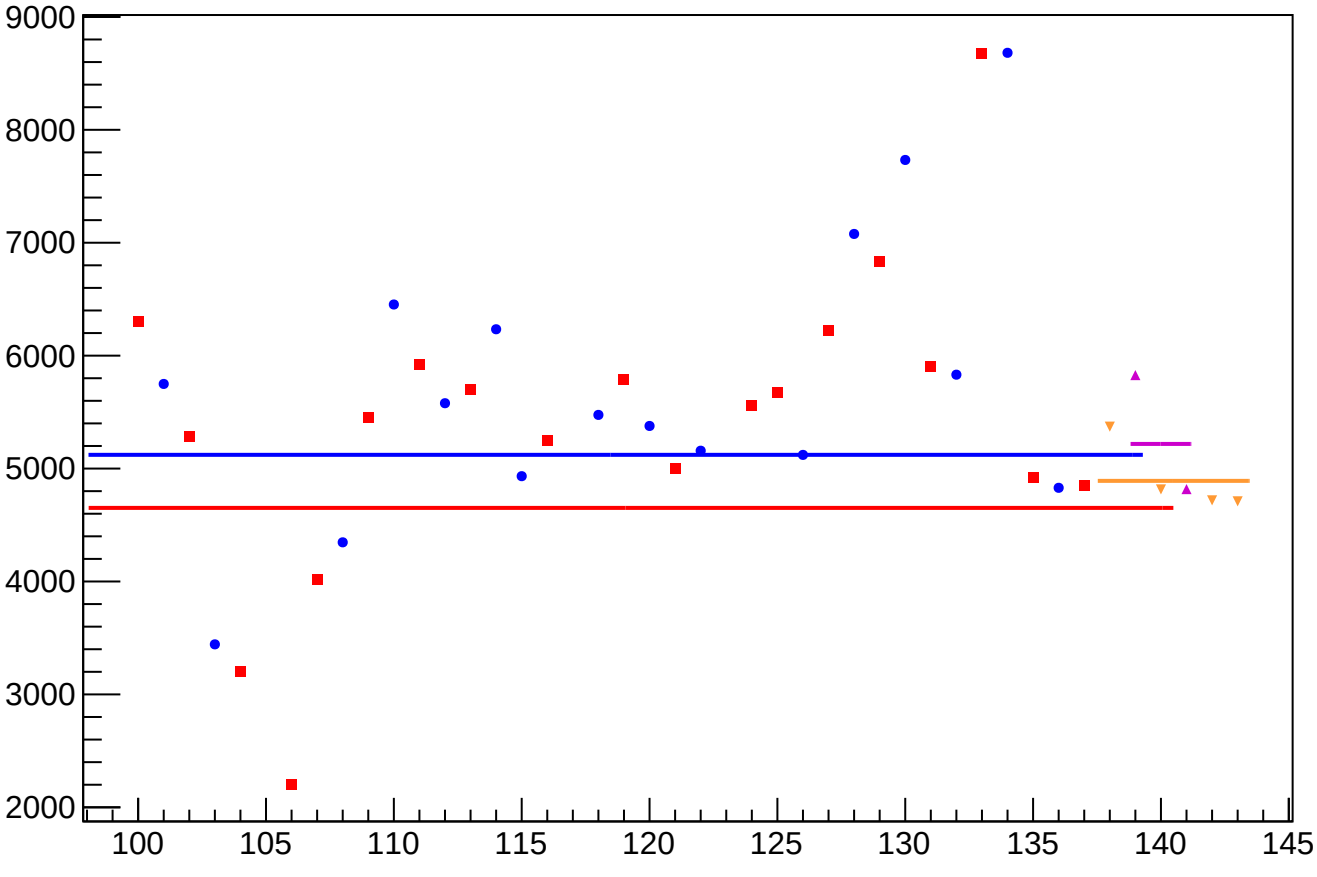
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 5100.570+/-1758.354 χ^2/NDF:15.8/17

Out: 1327.365+/-1578.895 χ^2/NDF:17.4/22

All: 3011.650+/-1174.787 χ^2/NDF: 35.7/40

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4891.099+/-2.049 χ^2/NDF:16256.1/3

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5218.189+/-2.823 χ^2/NDF:30588.9/1

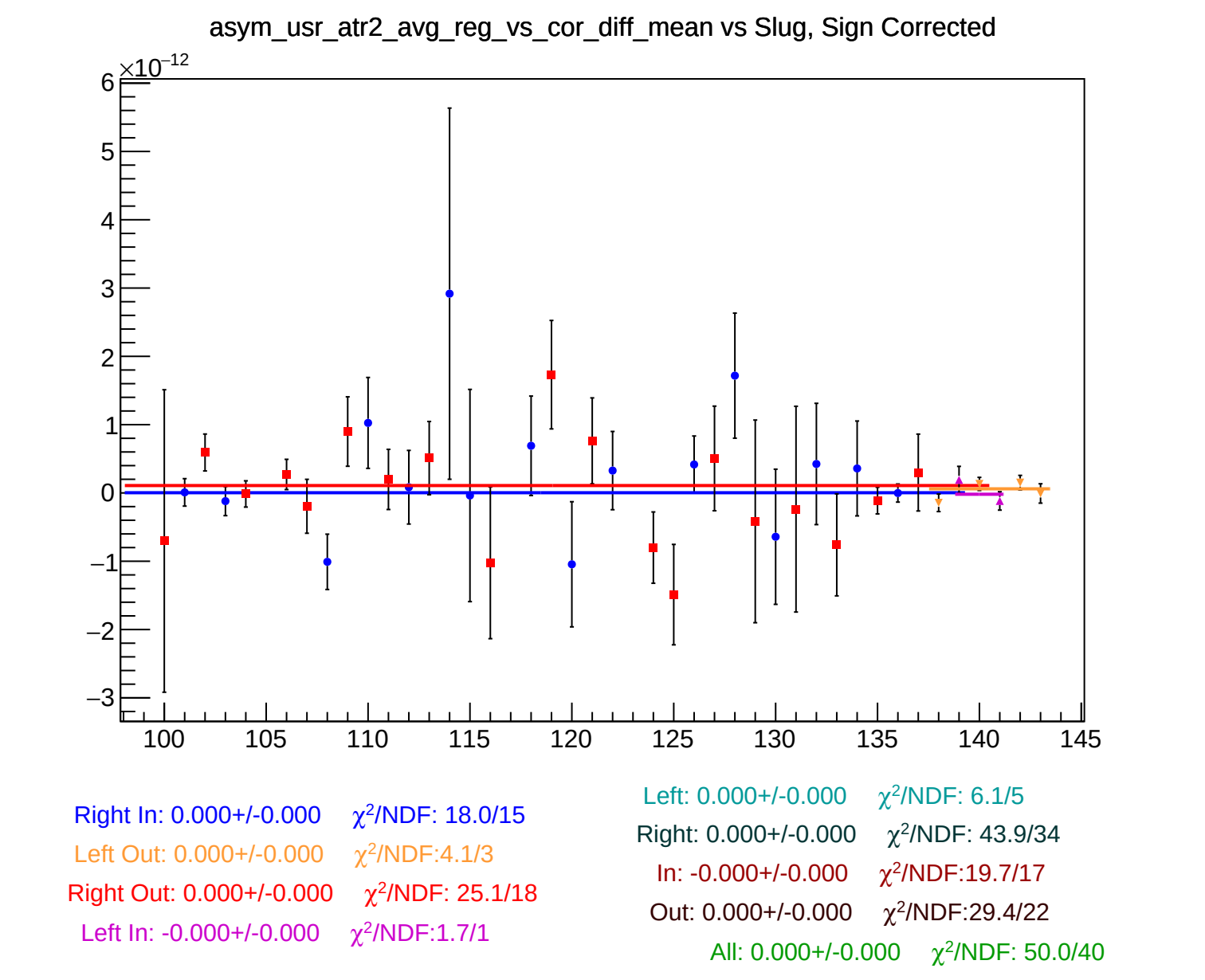
Left: 5003.969+/-1.658 χ^2/NDF: 55635.4/5

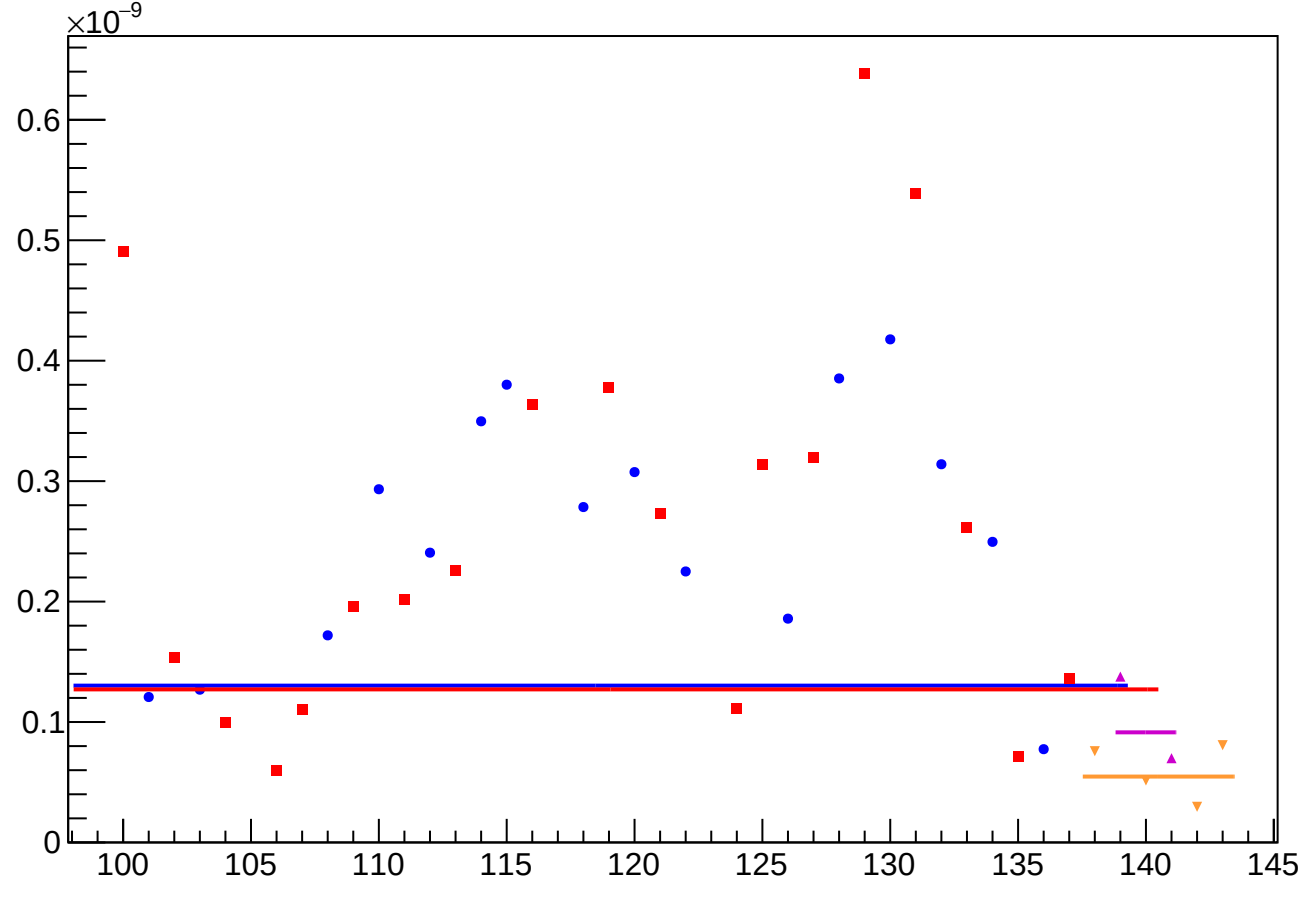
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5140.367+/-1.243 χ^2/NDF:751901.5/17

Out: 4718.929+/-1.086 χ^2/NDF:1370936.9/22

All: 4901.282+/-0.818 χ^2/NDF: 2188016.9/40


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.1/3
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:1.7/1
Left: 0.000+/-0.000 χ²/NDF: 6.1/5
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:19.7/17
Out: 0.000+/-0.000 χ²/NDF:29.4/22
All: 0.000+/-0.000 χ²/NDF: 50.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:235115.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:160917.7/1

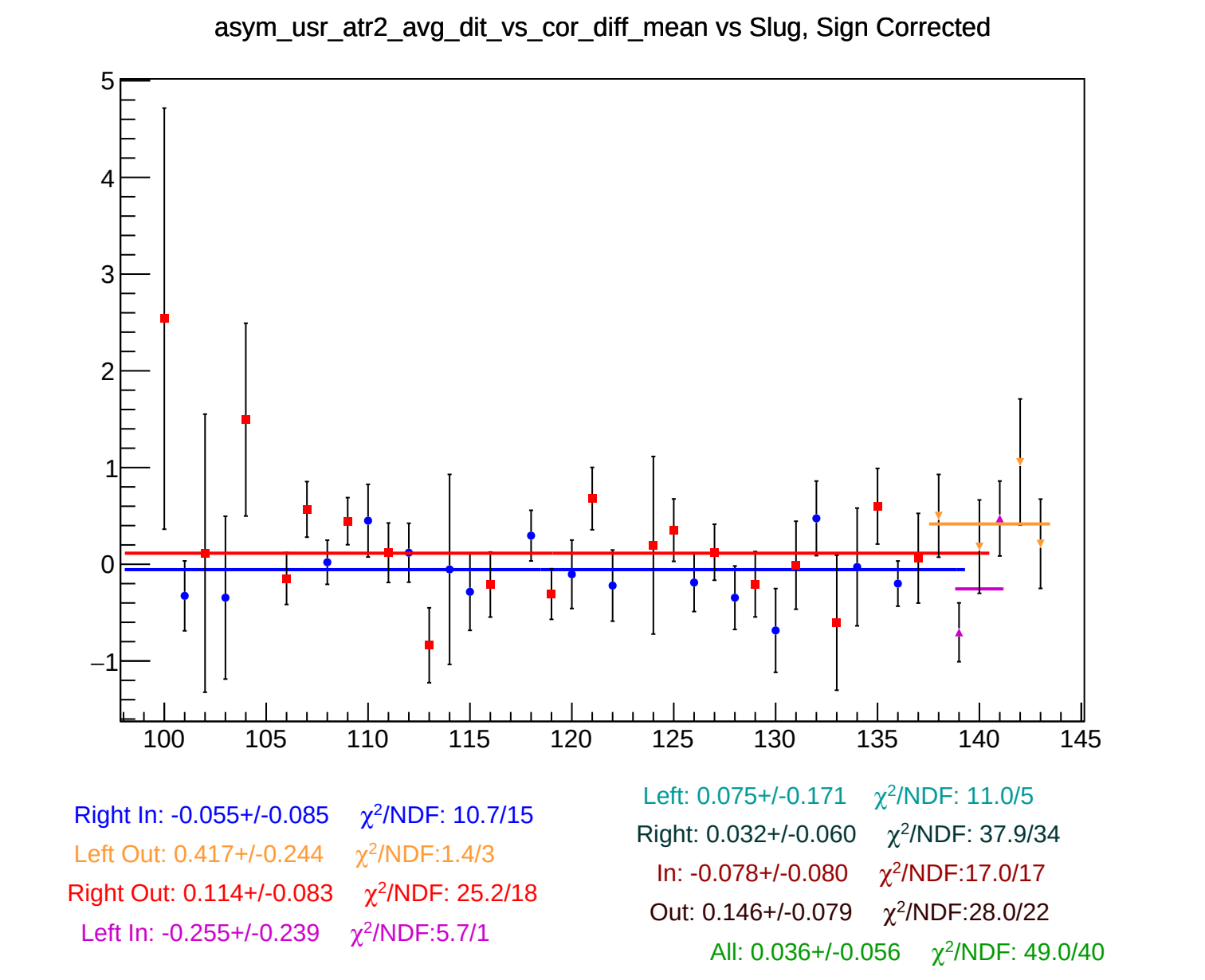
Left: 0.000+/-0.000 χ^2/NDF: 568965.0/5

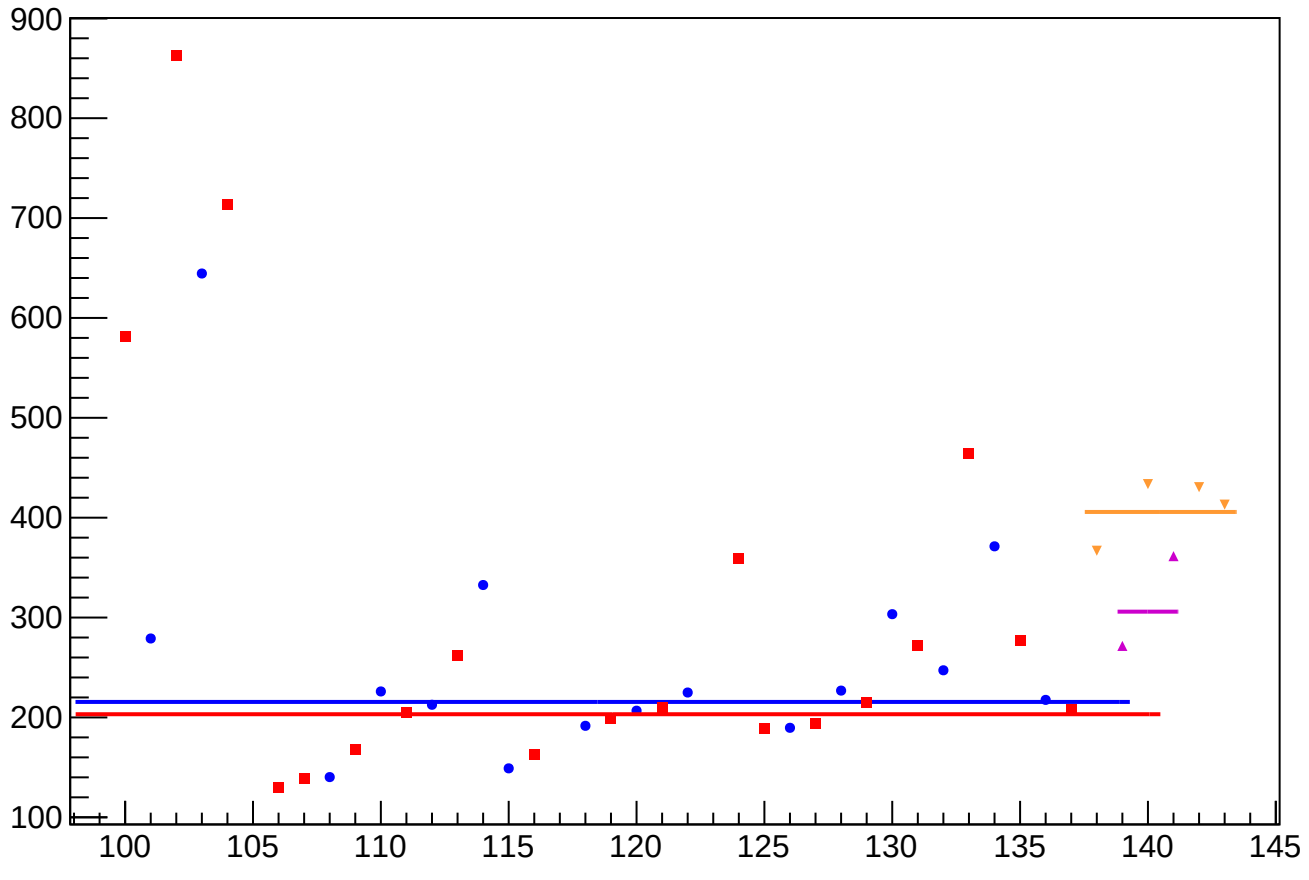
Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:1641878.7/17

Out: 0.000+/-0.000 χ^2/NDF:2898876.0/22

All: 0.000+/-0.000 χ^2/NDF: 5000088.4/40


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.417+/-0.244 χ²/NDF:1.4/3
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.255+/-0.239 χ²/NDF:5.7/1
Left: 0.075+/-0.171 χ²/NDF: 11.0/5
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.078+/-0.080 χ²/NDF:17.0/17
Out: 0.146+/-0.079 χ²/NDF:28.0/22
All: 0.036+/-0.056 χ²/NDF: 49.0/40



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 405.735+/-0.173 χ^2/NDF:26555.5/3

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: 354.853+/-0.121 χ^2/NDF: 263744.4/5

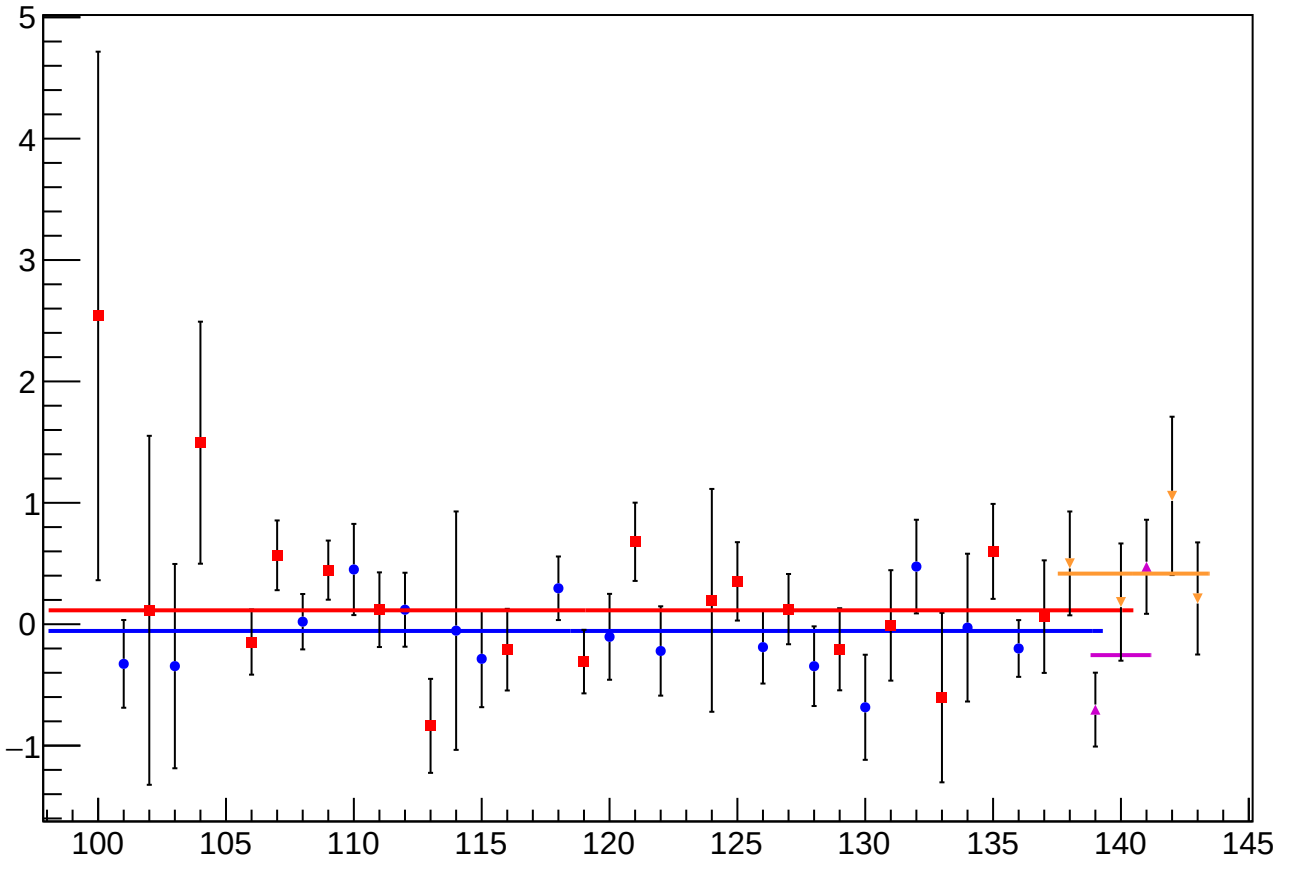
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 225.743+/-0.057 χ^2/NDF:1468264.0/17

Out: 224.309+/-0.056 χ^2/NDF:3096415.3/22

All: 225.010+/-0.040 χ^2/NDF: 4565003.5/40

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.255+/-0.239 χ^2/NDF:5.7/1

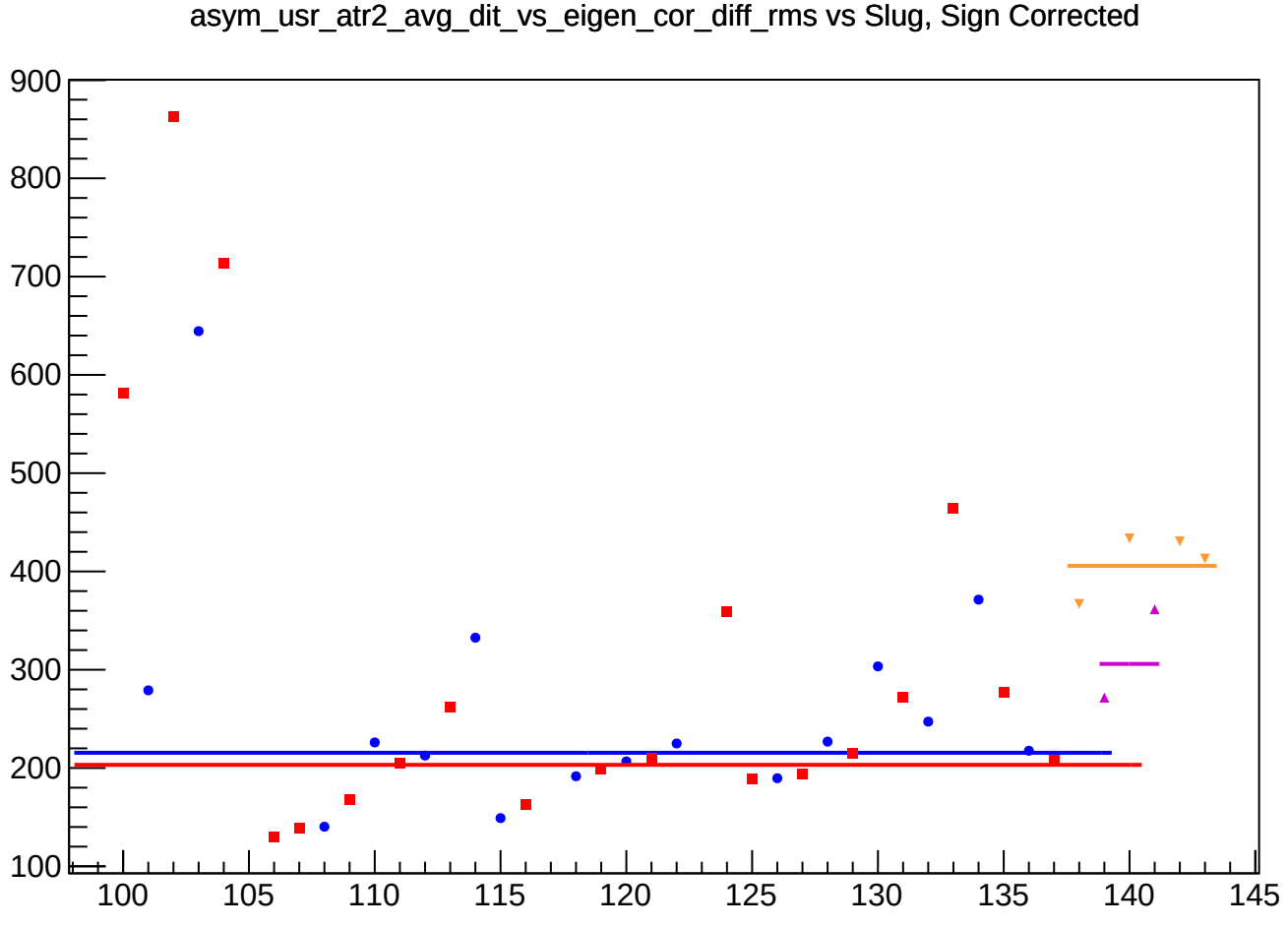
Left: 0.075+/-0.171 χ^2/NDF: 11.0/5

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.080 χ^2/NDF:17.0/17

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.036+/-0.056 χ^2/NDF: 49.0/40



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 405.735+/-0.173 χ^2/NDF:26555.5/3

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 305.902+/-0.169 χ^2/NDF:66549.7/1

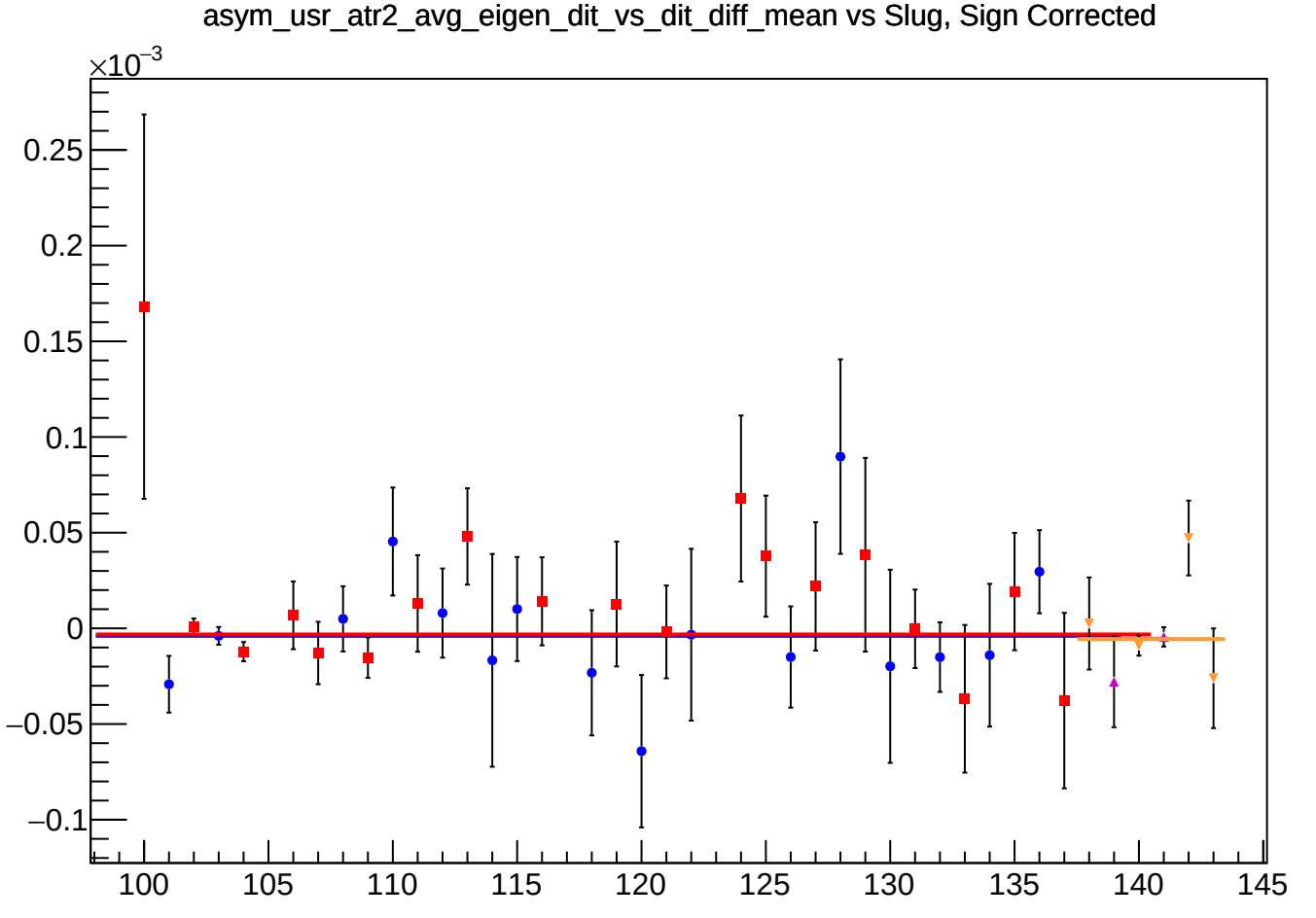
Left: 354.853+/-0.121 χ^2/NDF: 263744.4/5

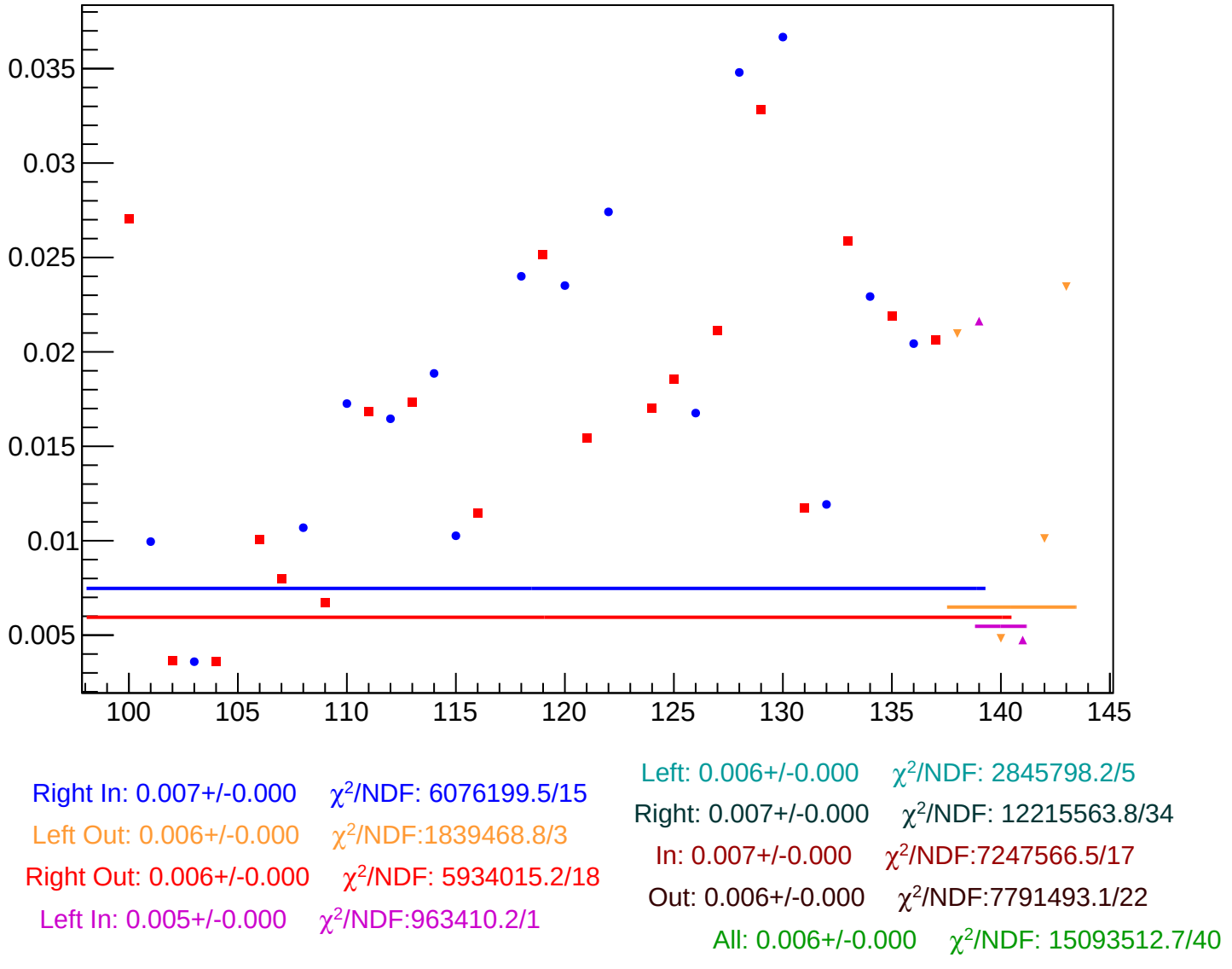
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 225.743+/-0.057 χ^2/NDF:1468264.0/17

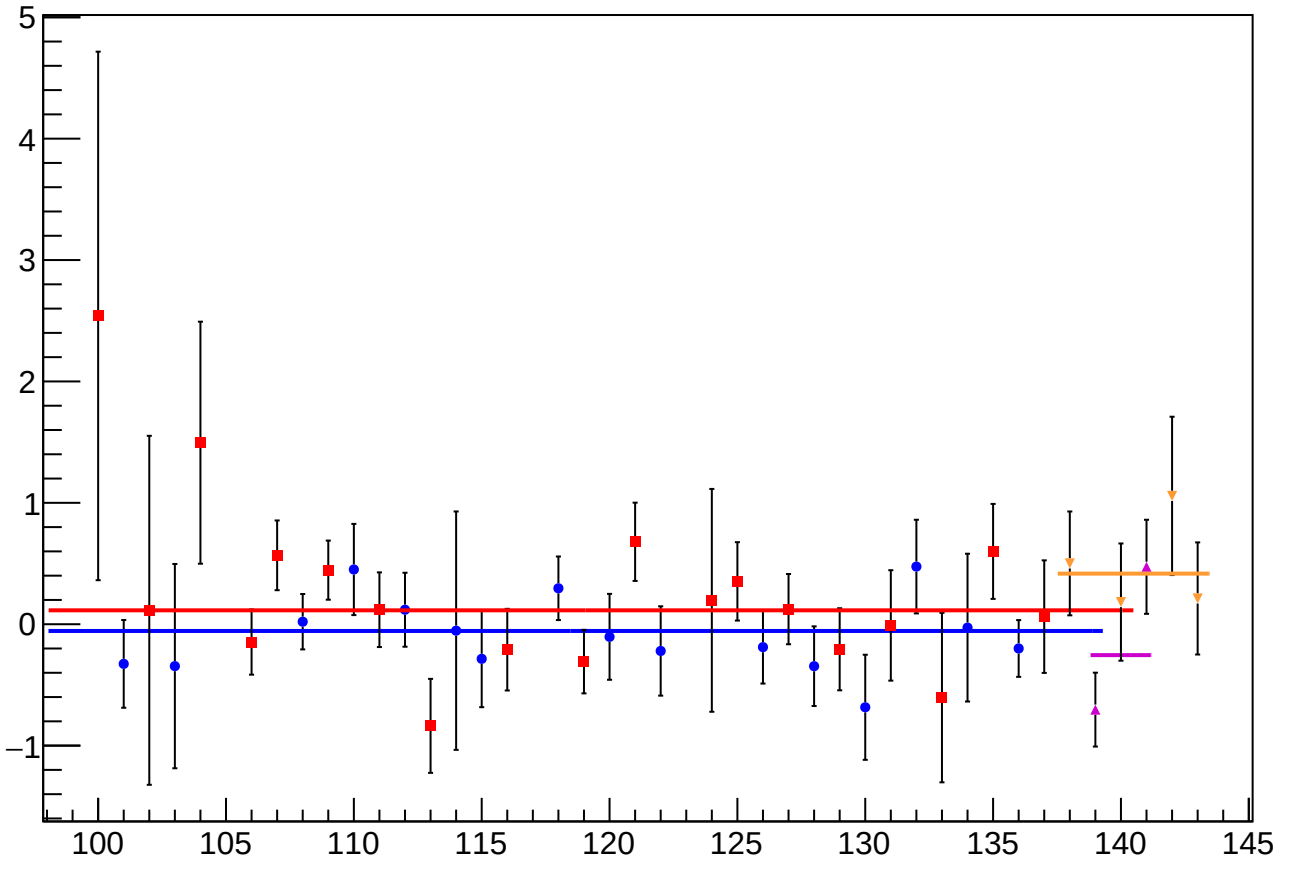
Out: 224.309+/-0.056 χ^2/NDF:3096415.3/22

All: 225.010+/-0.040 χ^2/NDF: 4565003.5/40


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
145
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:8.4/3
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: 9.4/5
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:30.3/22
All: -0.000+/-0.000 χ²/NDF: 47.2/40


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
105
110
115
120
125
130
135
140
145
Right In: 0.007+/-0.000 χ²/NDF: 6076199.5/15
Left Out: 0.006+/-0.000 χ²/NDF:1839468.8/3
Right Out: 0.006+/-0.000 χ²/NDF: 5934015.2/18
Left In: 0.005+/-0.000 χ²/NDF:963410.2/1
Left: 0.006+/-0.000 χ²/NDF: 2845798.2/5
Right: 0.007+/-0.000 χ²/NDF: 12215563.8/34
In: 0.007+/-0.000 χ²/NDF:7247566.5/17
Out: 0.006+/-0.000 χ²/NDF:7791493.1/22
All: 0.006+/-0.000 χ²/NDF: 15093512.7/40

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.417+/-0.244 χ^2/NDF:1.4/3

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.255+/-0.239 χ^2/NDF:5.7/1

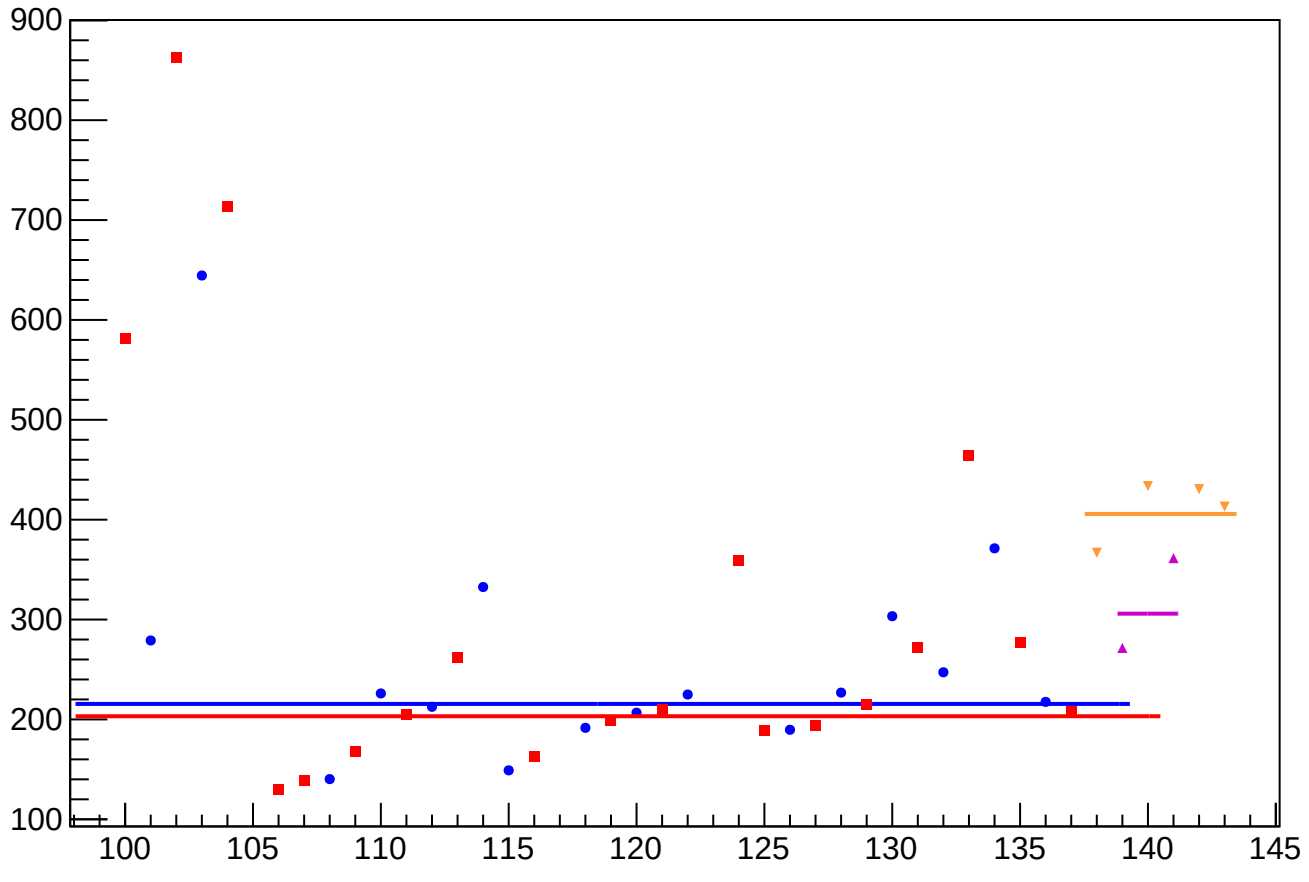
Left: 0.075+/-0.171 χ^2/NDF: 11.0/5

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.080 χ^2/NDF:17.0/17

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.036+/-0.056 χ^2/NDF: 49.0/40



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 405.740+/-0.173 χ^2/NDF:26552.1/3

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: 354.857+/-0.121 χ^2/NDF: 263731.5/5

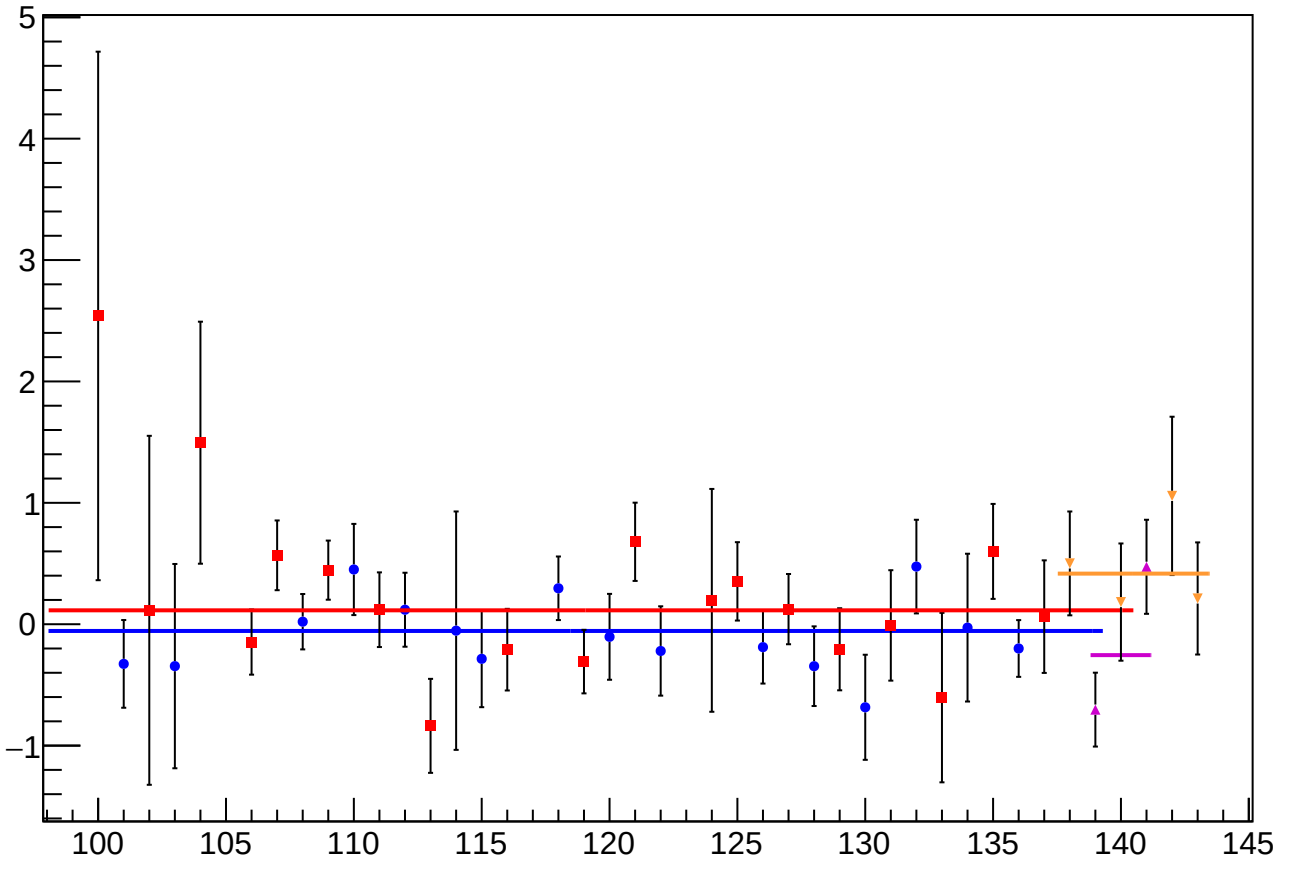
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 225.742+/-0.057 χ^2/NDF:1468251.9/17

Out: 224.307+/-0.056 χ^2/NDF:3096447.4/22

All: 225.009+/-0.040 χ^2/NDF: 4565023.7/40

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: 0.417+/-0.244 χ^2/NDF:1.4/3

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: 0.075+/-0.171 χ^2/NDF: 11.0/5

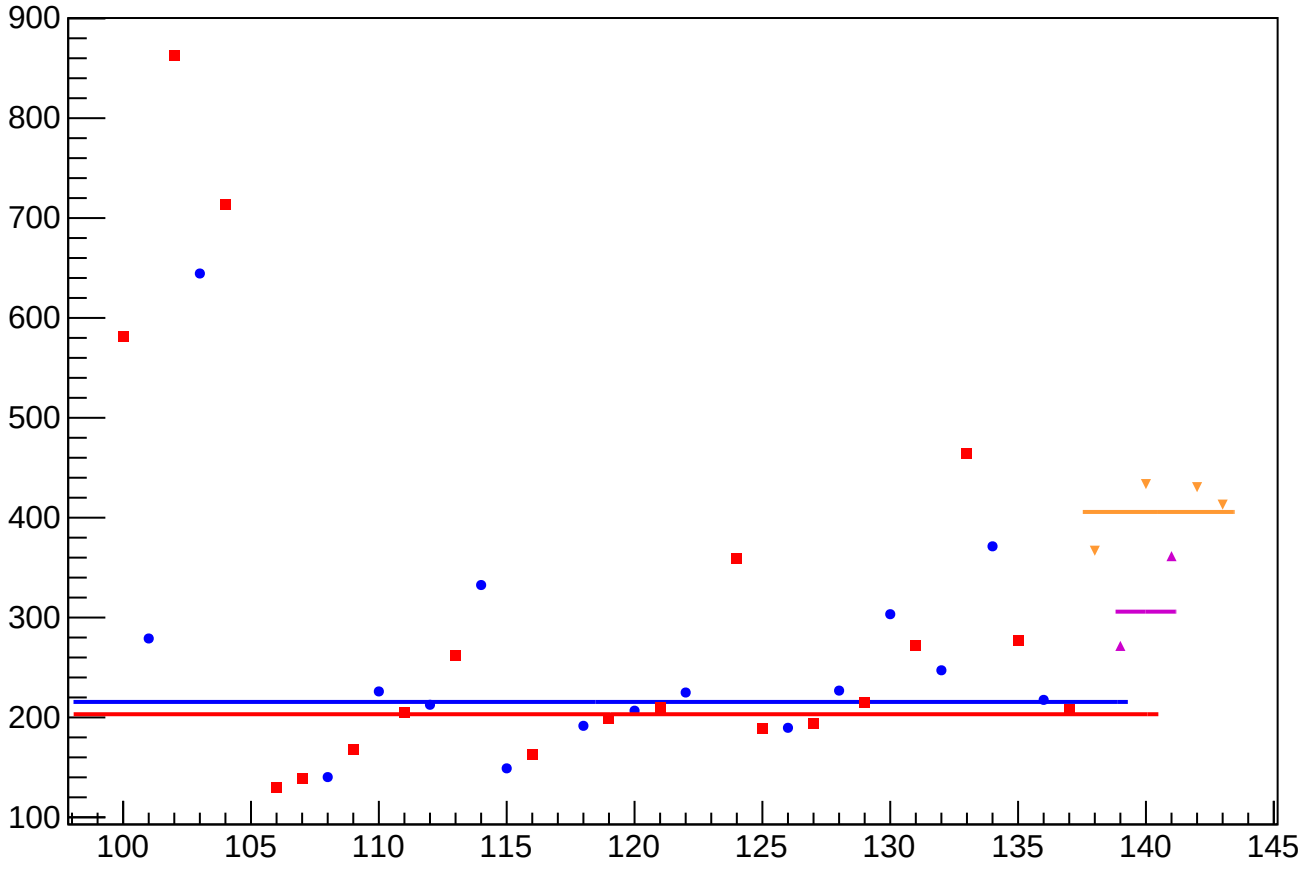
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.080 χ^2/NDF:17.0/17

Out: 0.146+/-0.079 χ^2/NDF:28.0/22

All: 0.036+/-0.056 χ^2/NDF: 49.0/40

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 405.740+/-0.173 χ^2/NDF:26552.1/3

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 305.906+/-0.169 χ^2/NDF:66540.8/1

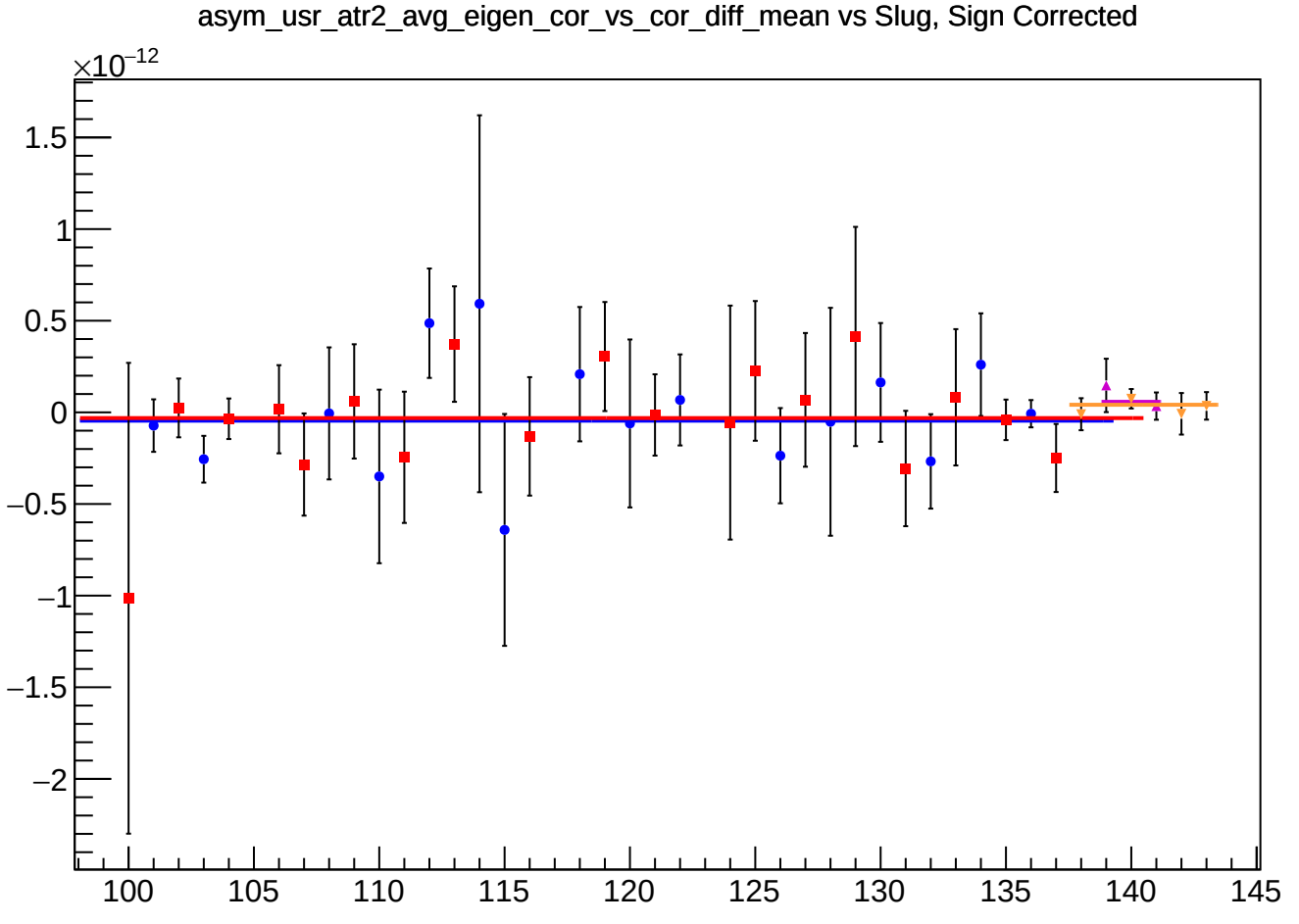
Left: 354.857+/-0.121 χ^2/NDF: 263731.5/5

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 225.742+/-0.057 χ^2/NDF:1468251.9/17

Out: 224.307+/-0.056 χ^2/NDF:3096447.4/22

All: 225.009+/-0.040 χ^2/NDF: 4565023.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

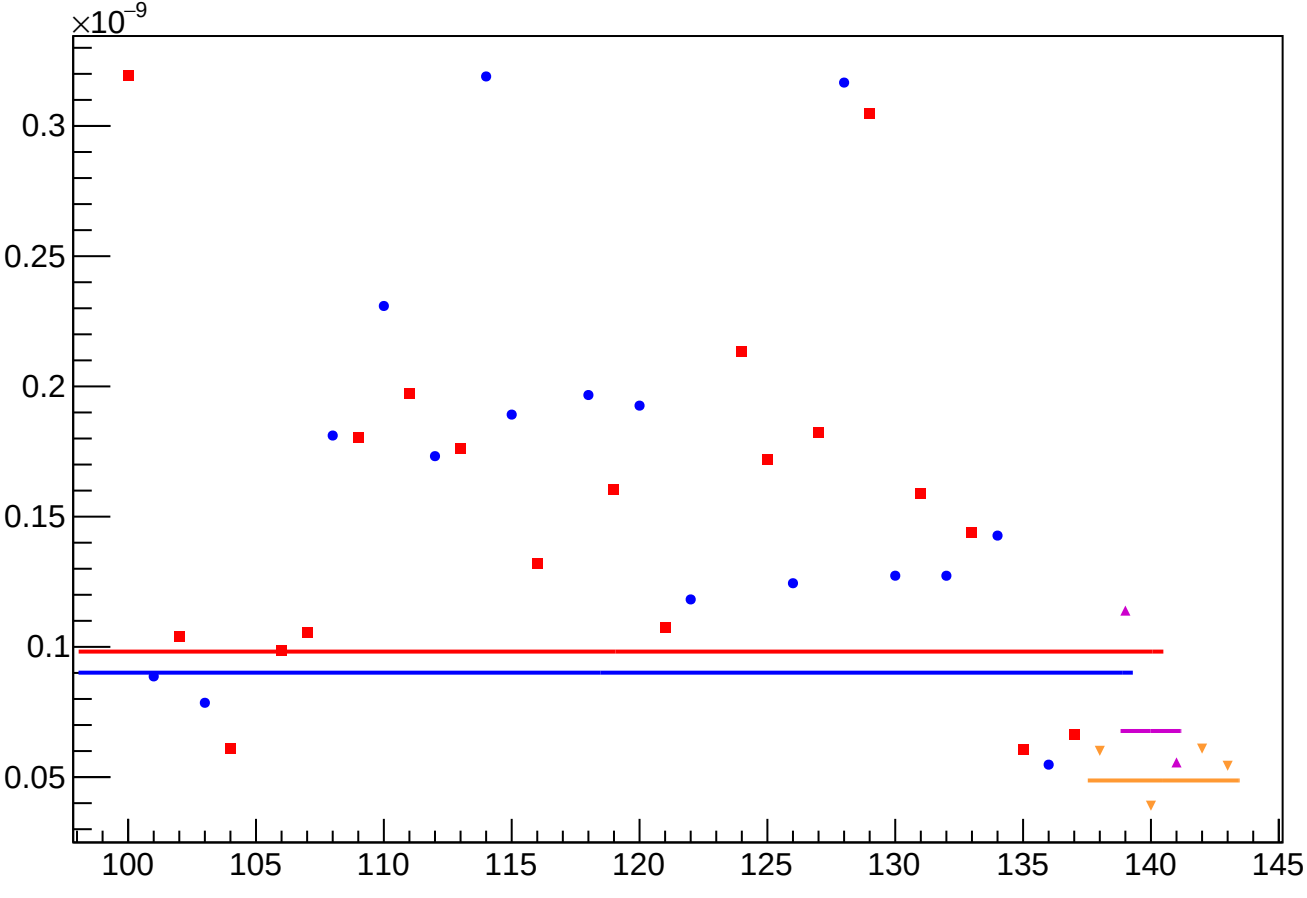
Left: 0.000+/-0.000 χ^2/NDF: 1.4/5

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:10.6/22

All: 0.000+/-0.000 χ^2/NDF: 24.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:135017.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:253890.2/1

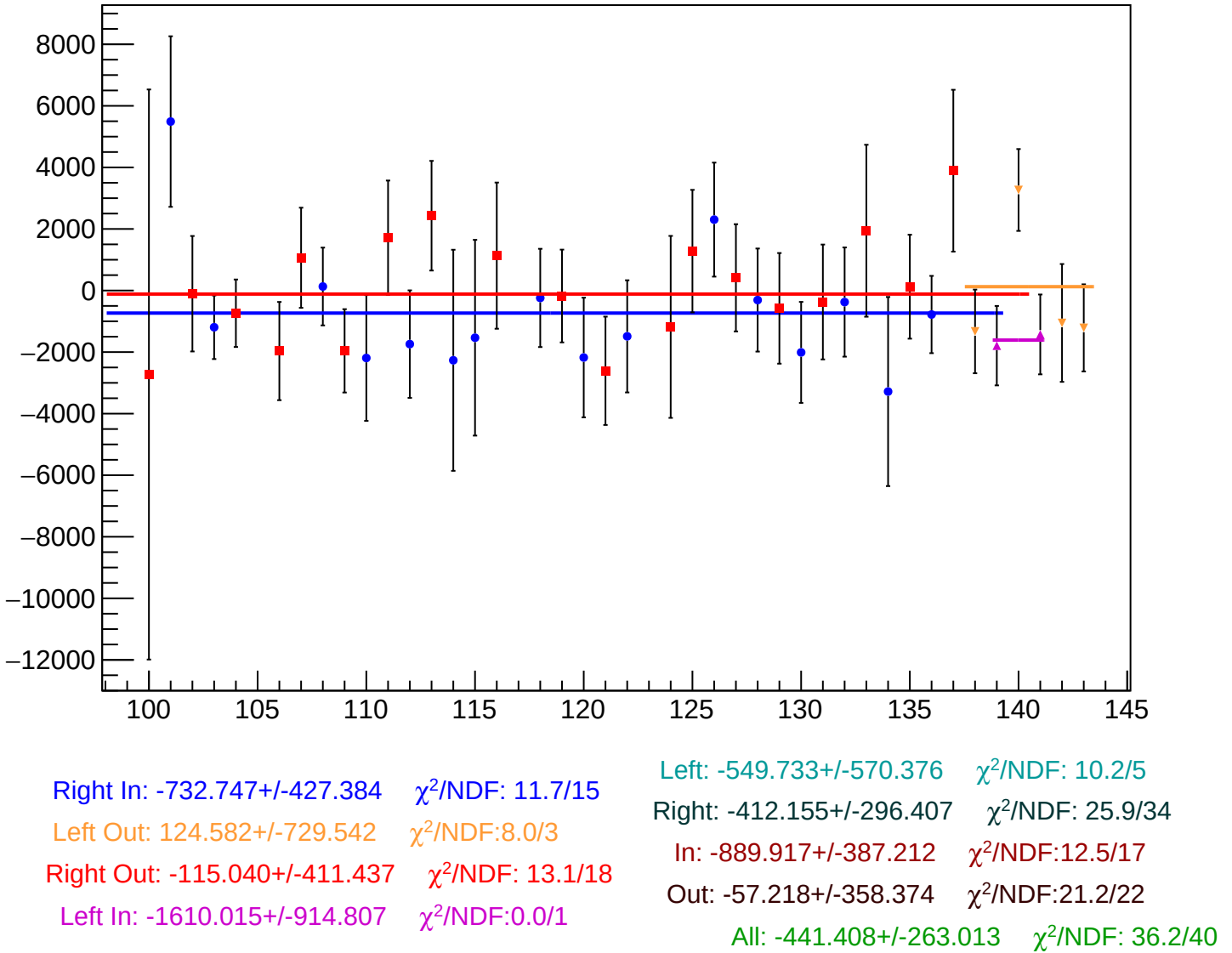
Left: 0.000+/-0.000 χ^2/NDF: 514646.1/5

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:3035232.3/22

All: 0.000+/-0.000 χ^2/NDF: 5469936.0/40


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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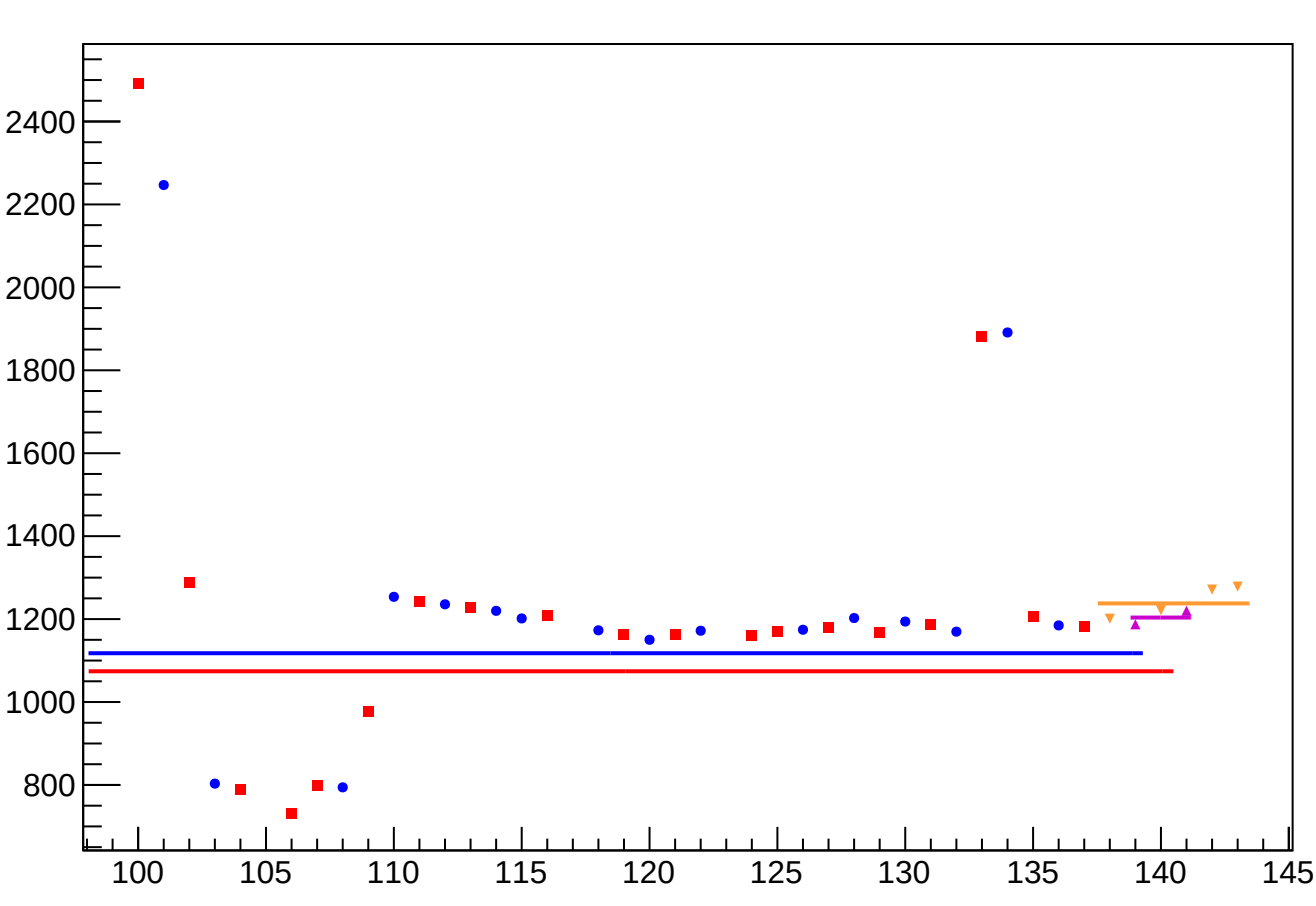
115
120
125
130
135
140
145
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 124.582+/-729.542 χ²/NDF:8.0/3
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -1610.015+/-914.807 χ²/NDF:0.0/1
Left: -549.733+/-570.376 χ²/NDF: 10.2/5
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -889.917+/-387.212 χ²/NDF:12.5/17
Out: -57.218+/-358.374 χ²/NDF:21.2/22
All: -441.408+/-263.013 χ²/NDF: 36.2/40



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

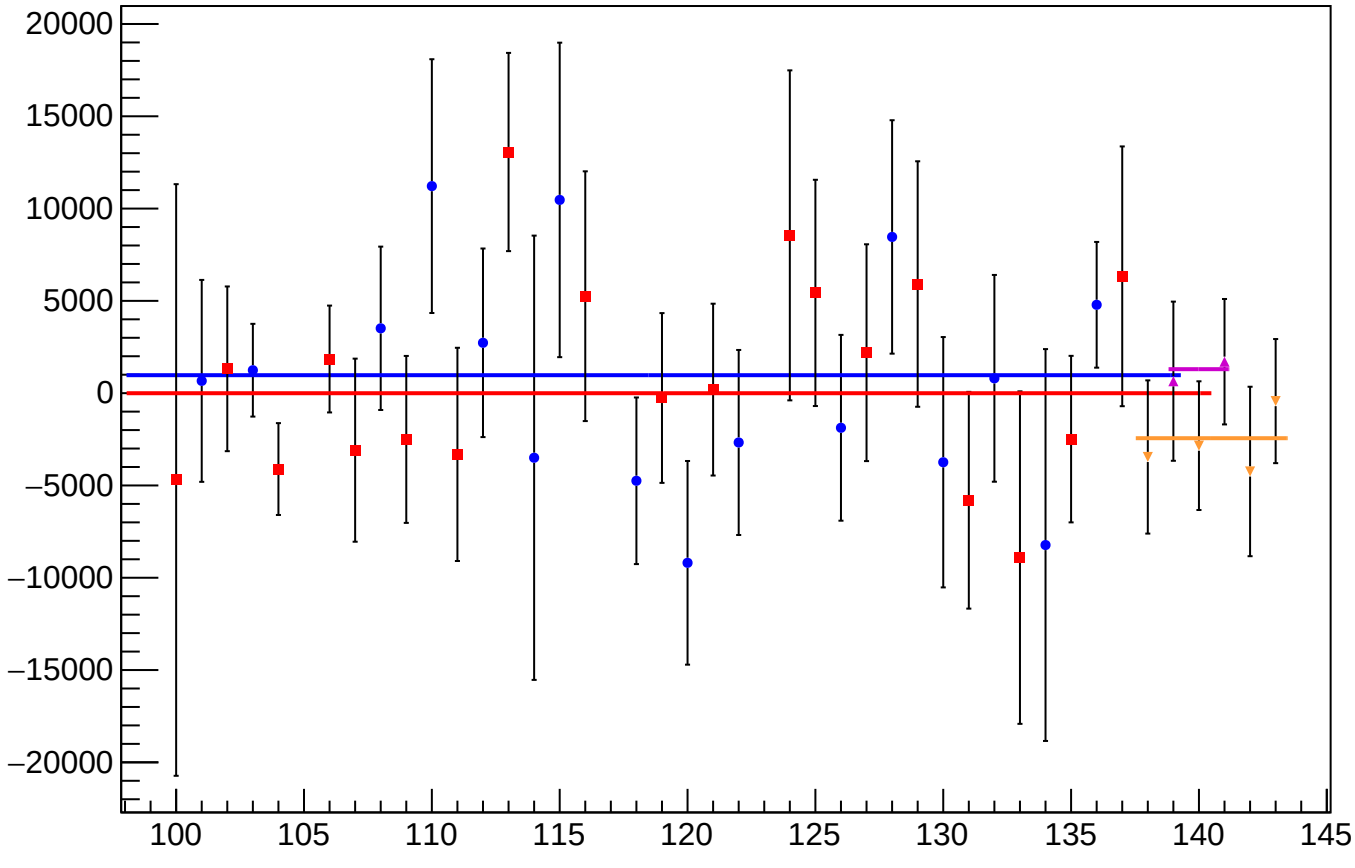
Left: 1224.560+/-0.403 χ^2/NDF: 6360.4/5

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1133.094+/-0.274 χ^2/NDF:834987.3/17

Out: 1113.149+/-0.252 χ^2/NDF:730214.9/22

All: 1122.289+/-0.185 χ^2/NDF: 1568077.0/40



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -2439.917+/-1902.631 χ^2/NDF:0.6/3

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 1299.509+/-2668.627 χ^2/NDF:0.0/1

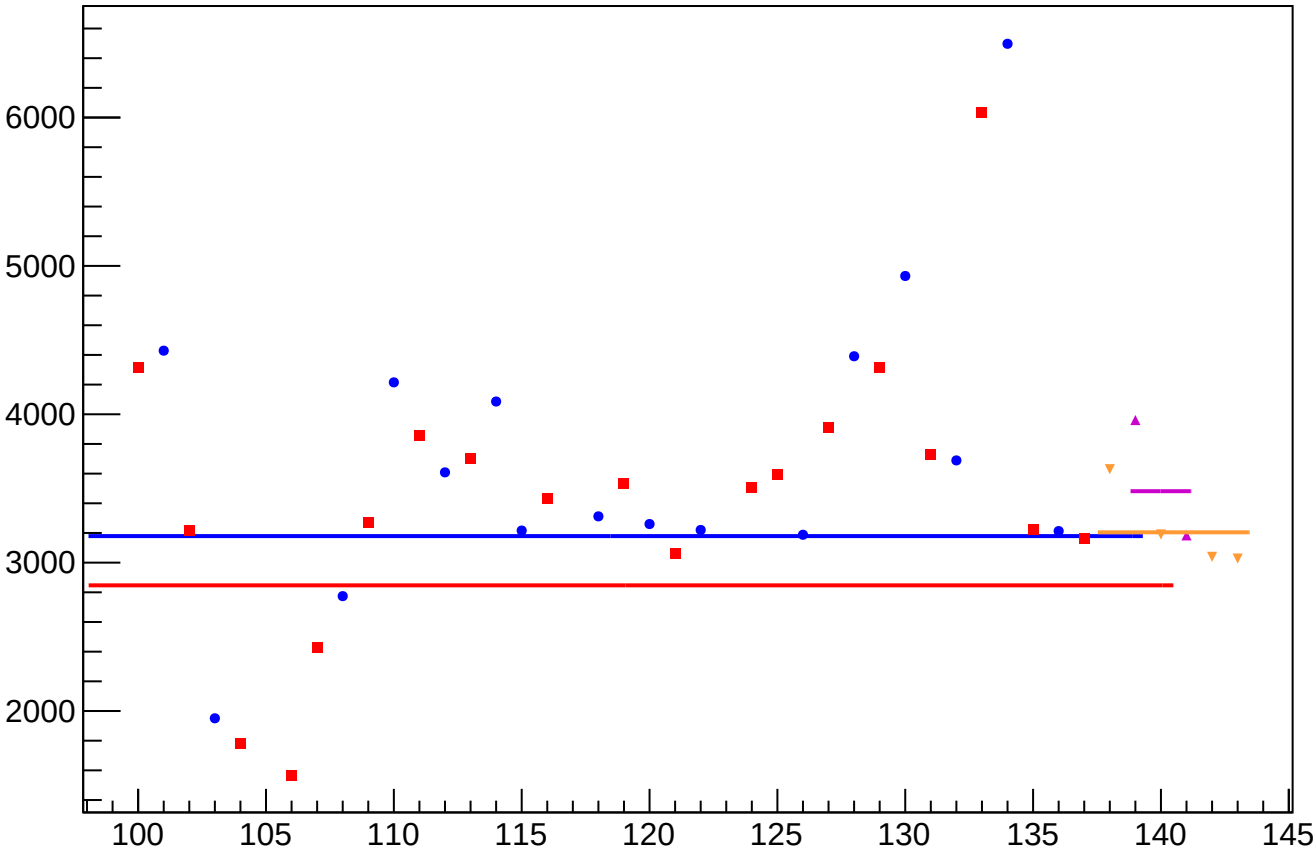
Left: -1179.698+/-1549.204 χ^2/NDF: 1.9/5

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 1031.043+/-1119.118 χ^2/NDF:13.9/17

Out: -624.965+/-961.274 χ^2/NDF:18.4/22

All: 78.113+/-729.199 χ^2/NDF: 33.5/40



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3204.412+/-1.345 χ^2/NDF:29171.5/3

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3481.561+/-1.887 χ^2/NDF:40121.5/1

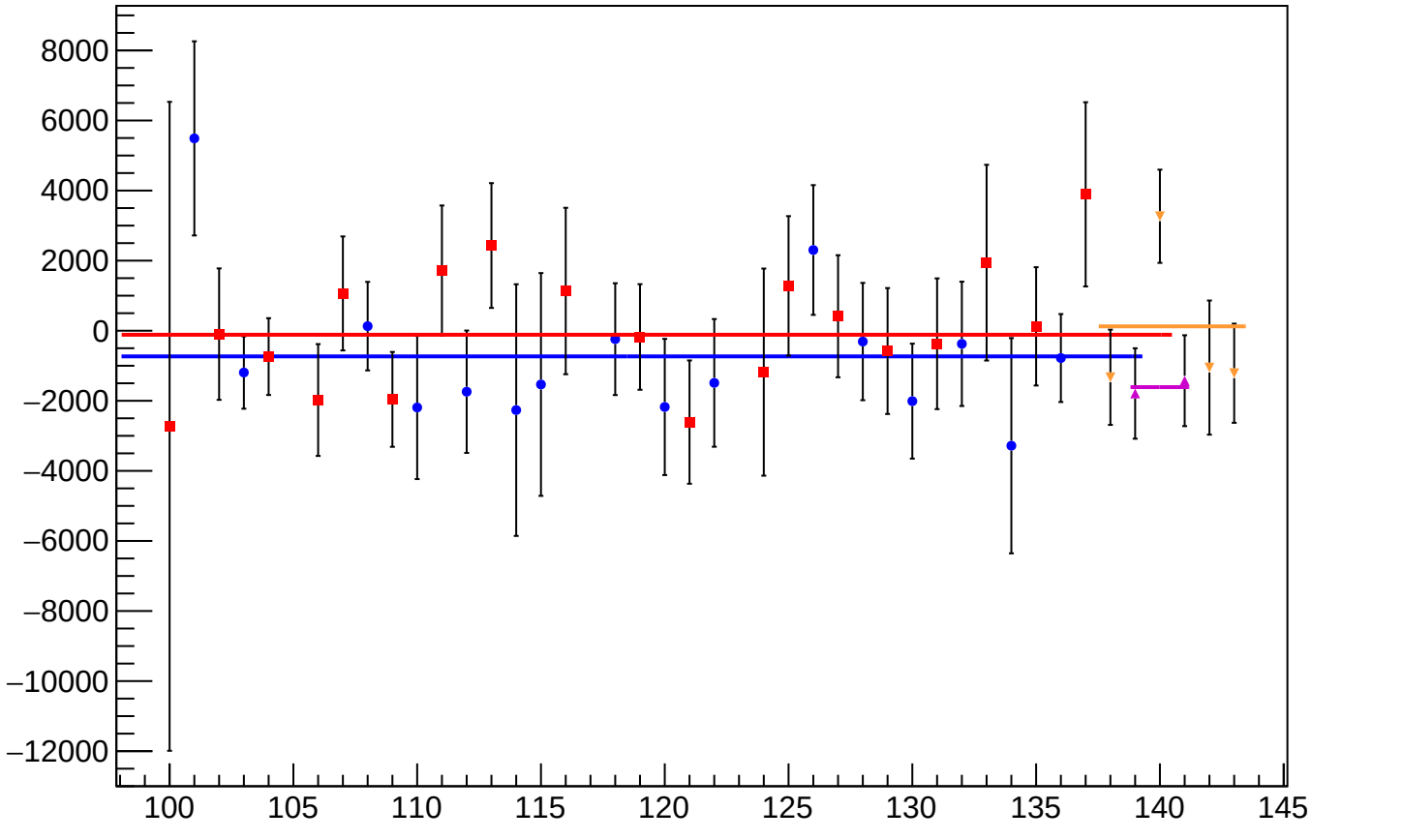
Left: 3297.814+/-1.095 χ^2/NDF: 83594.6/5

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3232.102+/-0.791 χ^2/NDF:1153003.9/17

Out: 2938.245+/-0.680 χ^2/NDF:1592888.7/22

All: 3063.006+/-0.516 χ^2/NDF: 2825243.0/40



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 124.667+/-729.542 χ^2/NDF:8.0/3

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -1610.073+/-914.807 χ^2/NDF:0.0/1

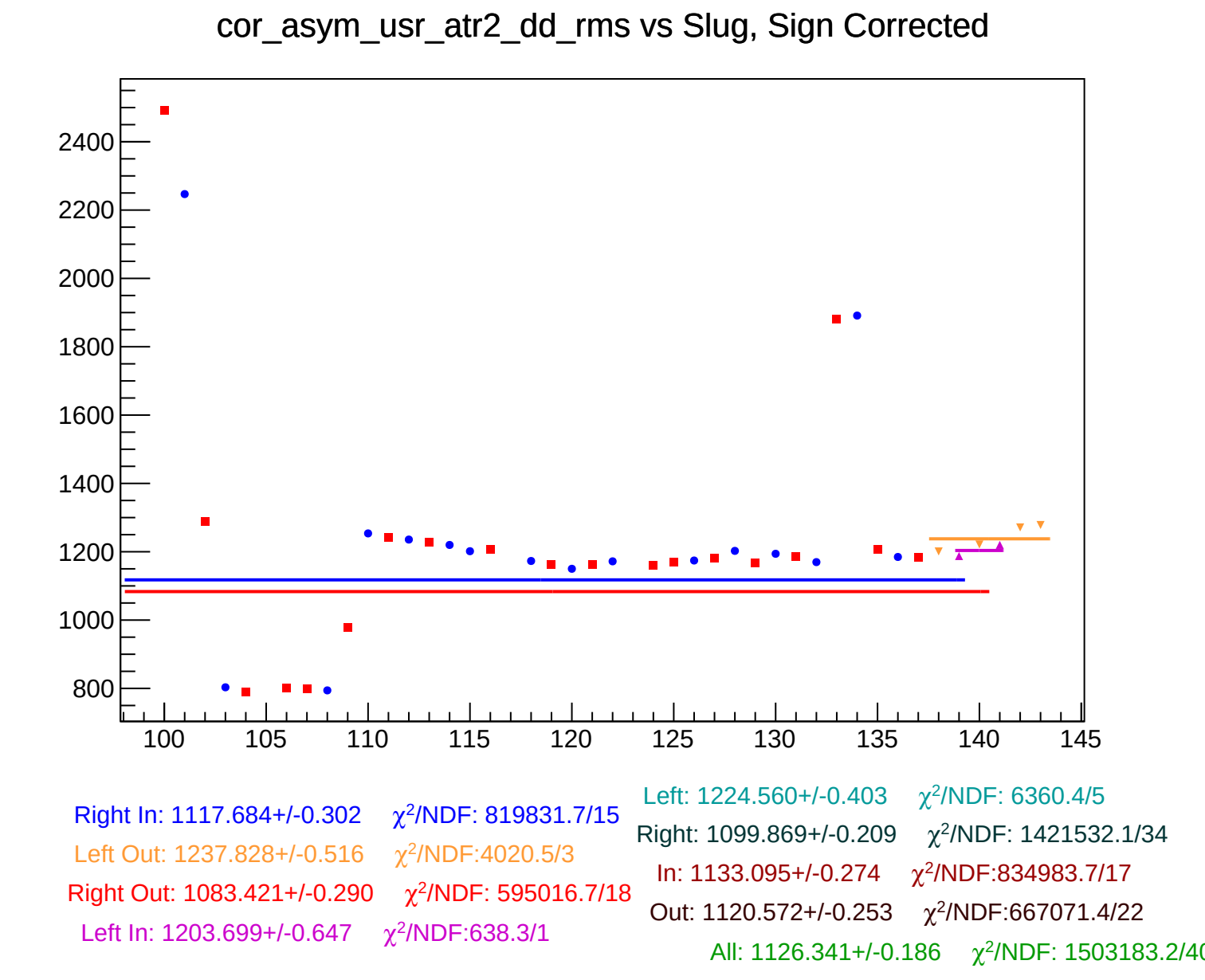
Left: -549.703+/-570.376 χ^2/NDF: 10.2/5

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -889.874+/-387.212 χ^2/NDF:12.5/17

Out: -57.399+/-358.377 χ^2/NDF:21.2/22

All: -441.489+/-263.014 χ^2/NDF: 36.2/40


cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
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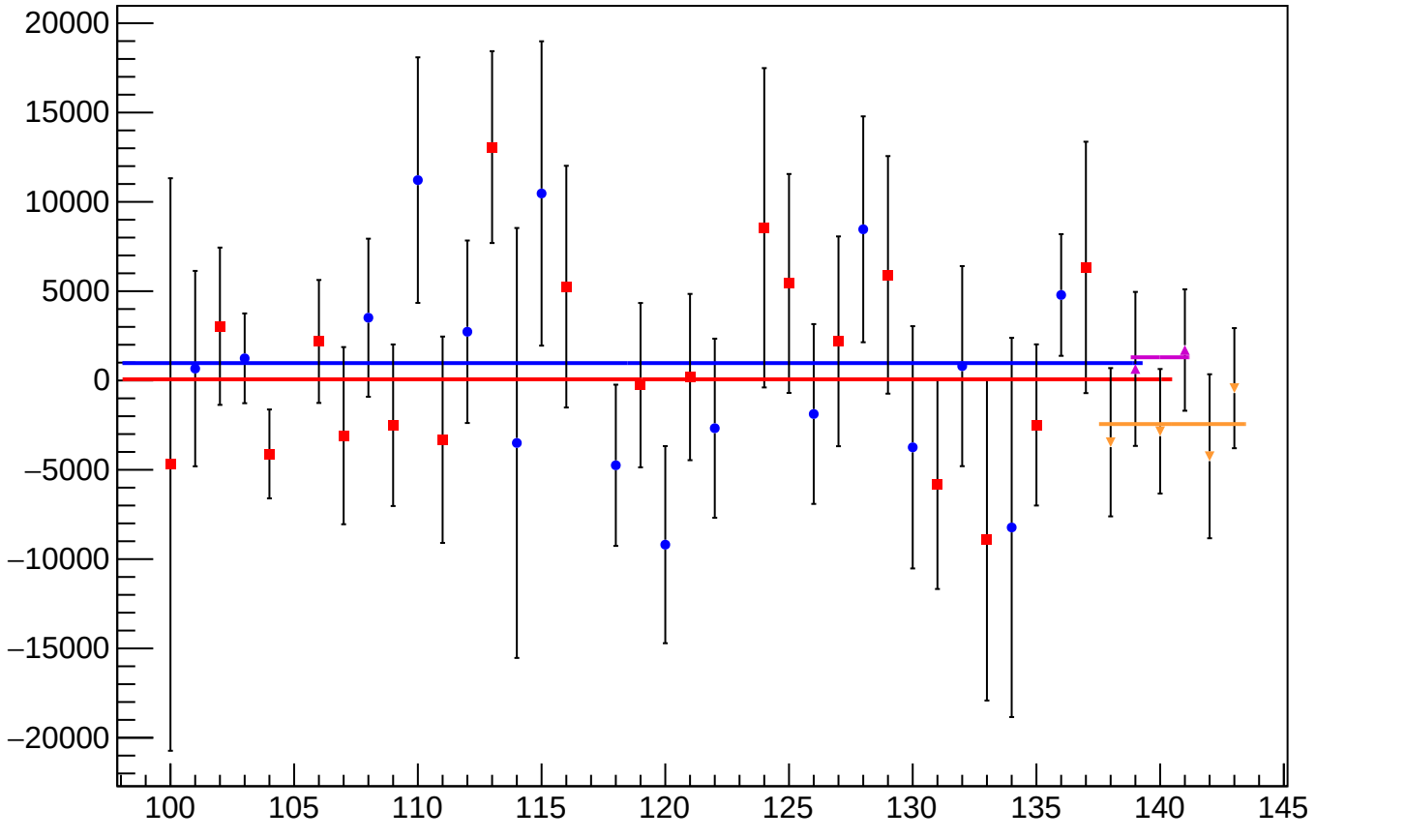
Right In: 1117.684+/-0.302 χ²/NDF: 819831.7/15
Left Out: 1237.828+/-0.516 χ²/NDF:4020.5/3
Right Out: 1083.421+/-0.290 χ²/NDF: 595016.7/18
Left In: 1203.699+/-0.647 χ²/NDF:638.3/1
Left: 1224.560+/-0.403 χ²/NDF: 6360.4/5
Right: 1099.869+/-0.209 χ²/NDF: 1421532.1/34
In: 1133.095+/-0.274 χ²/NDF:834983.7/17
Out: 1120.572+/-0.253 χ²/NDF:667071.4/22
All: 1126.341+/-0.186 χ²/NDF: 1503183.2/40



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2439.791+/-1902.623 χ^2/NDF:0.6/3

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 1299.475+/-2668.627 χ^2/NDF:0.0/1

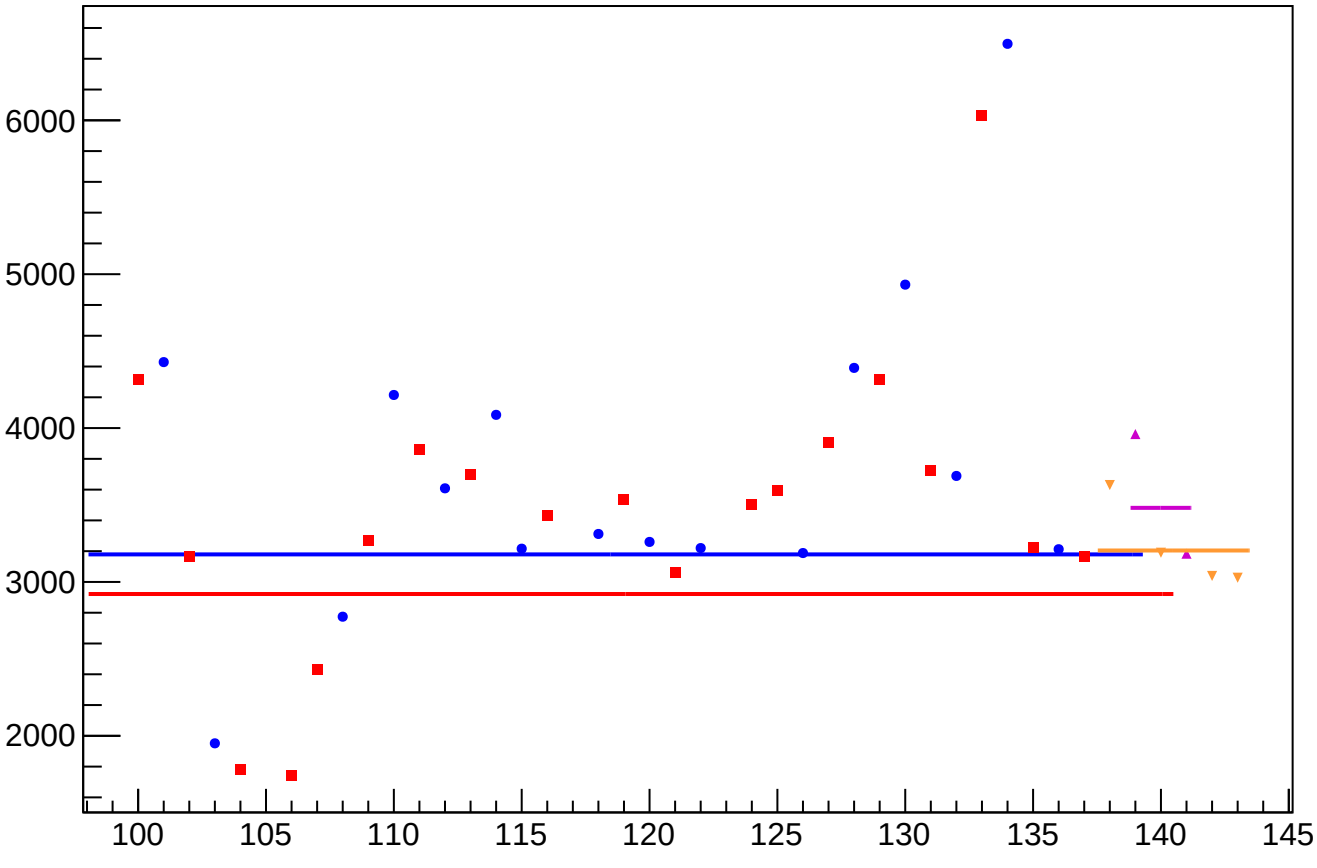
Left: -1179.632+/-1549.199 χ^2/NDF: 1.9/5

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 1030.630+/-1119.155 χ^2/NDF:13.9/17

Out: -593.331+/-976.567 χ^2/NDF:18.8/22

All: 108.668+/-735.819 χ^2/NDF: 33.9/40



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3204.398+/-1.345 χ^2/NDF:29172.6/3

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3481.560+/-1.887 χ^2/NDF:40121.4/1

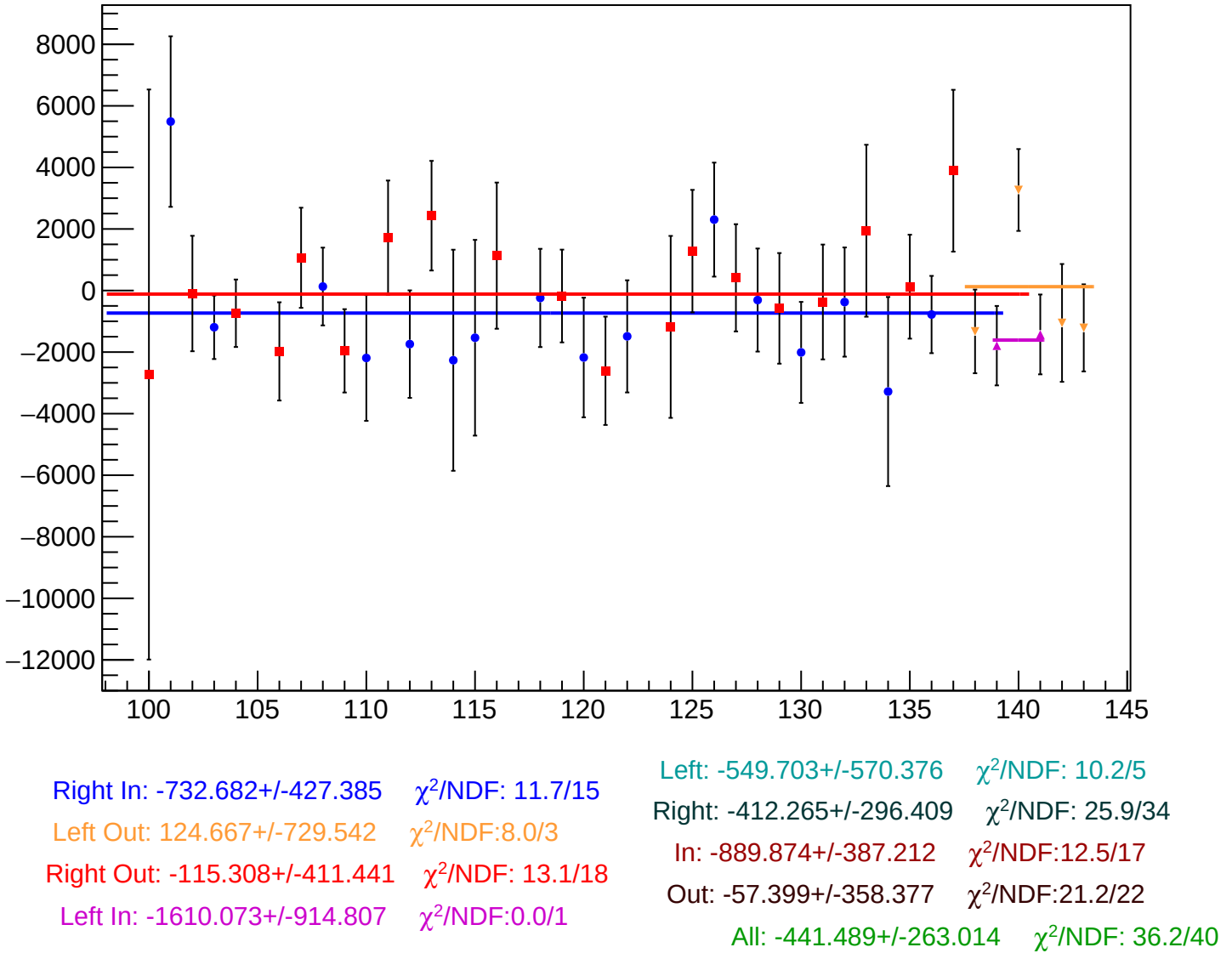
Left: 3297.804+/-1.095 χ^2/NDF: 83597.1/5

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3232.257+/-0.791 χ^2/NDF:1152537.4/17

Out: 2996.133+/-0.691 χ^2/NDF:1374597.9/22

All: 3098.204+/-0.520 χ^2/NDF: 2577679.0/40


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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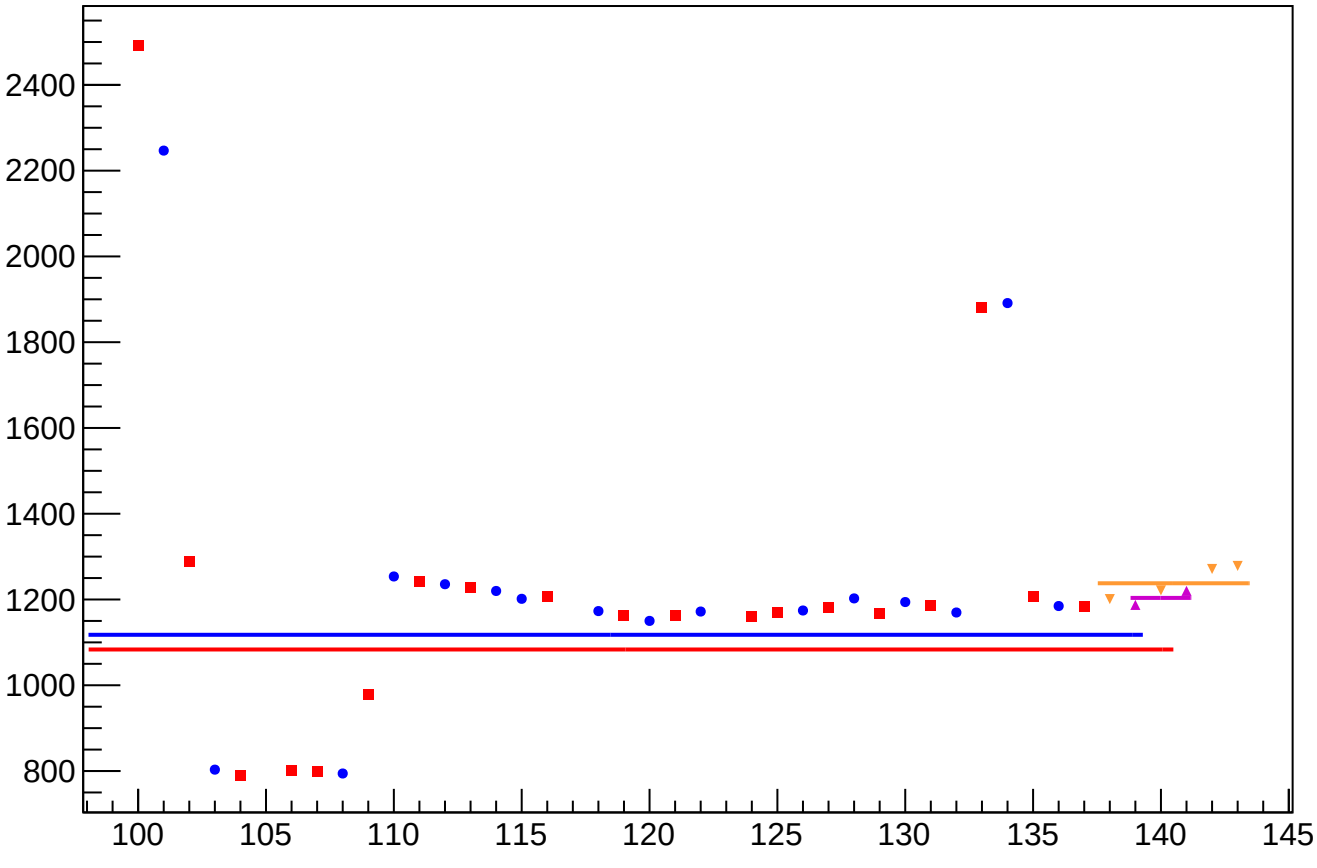
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 124.667+/-729.542 χ²/NDF:8.0/3
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -1610.073+/-914.807 χ²/NDF:0.0/1
Left: -549.703+/-570.376 χ²/NDF: 10.2/5
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -889.874+/-387.212 χ²/NDF:12.5/17
Out: -57.399+/-358.377 χ²/NDF:21.2/22
All: -441.489+/-263.014 χ²/NDF: 36.2/40



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1237.828+/-0.516 χ^2/NDF:4020.5/3

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1203.699+/-0.647 χ^2/NDF:638.3/1

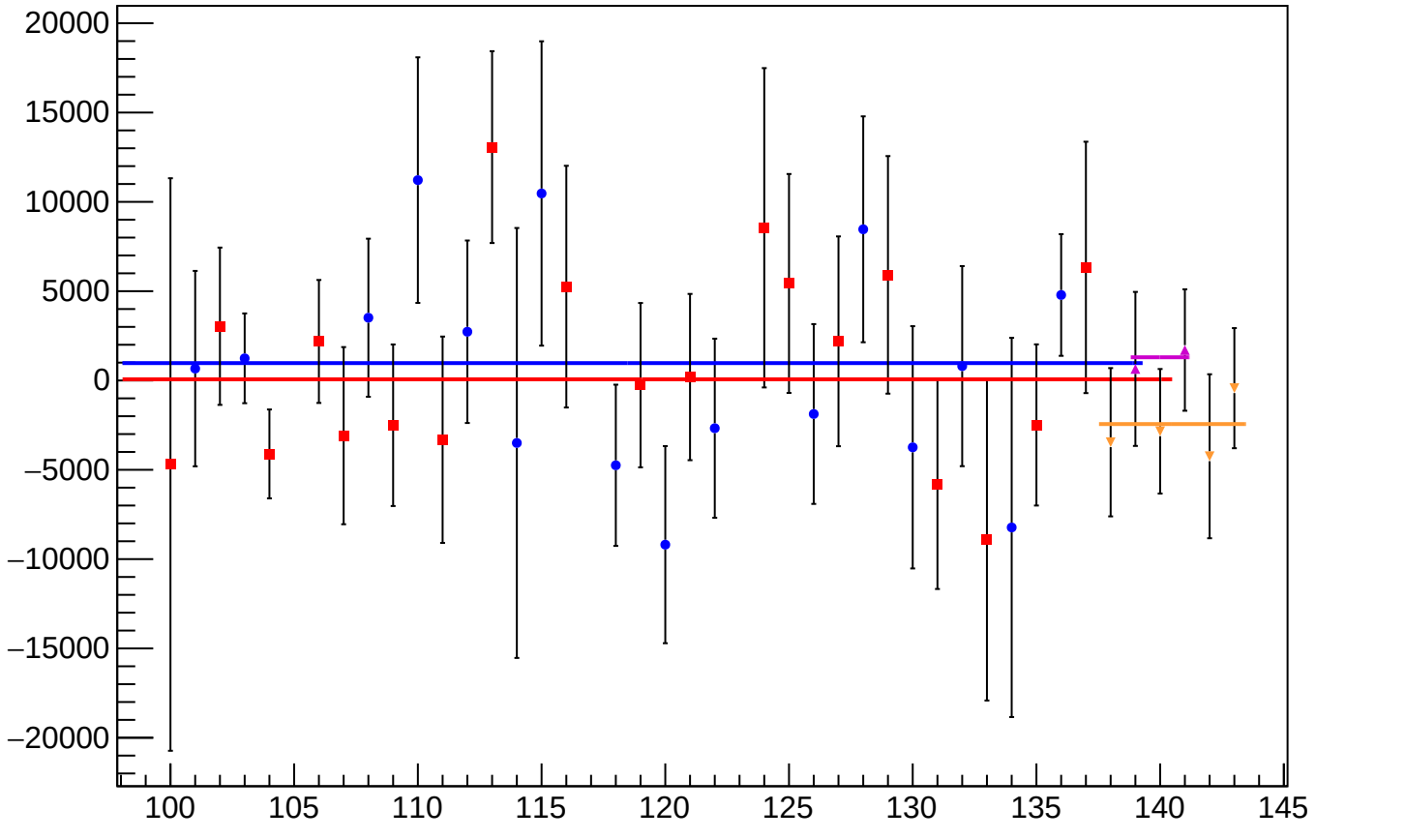
Left: 1224.560+/-0.403 χ^2/NDF: 6360.4/5

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1133.095+/-0.274 χ^2/NDF:834983.7/17

Out: 1120.572+/-0.253 χ^2/NDF:667071.4/22

All: 1126.341+/-0.186 χ^2/NDF: 1503183.2/40



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2439.791+/-1902.623 χ^2/NDF:0.6/3

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 1299.475+/-2668.627 χ^2/NDF:0.0/1

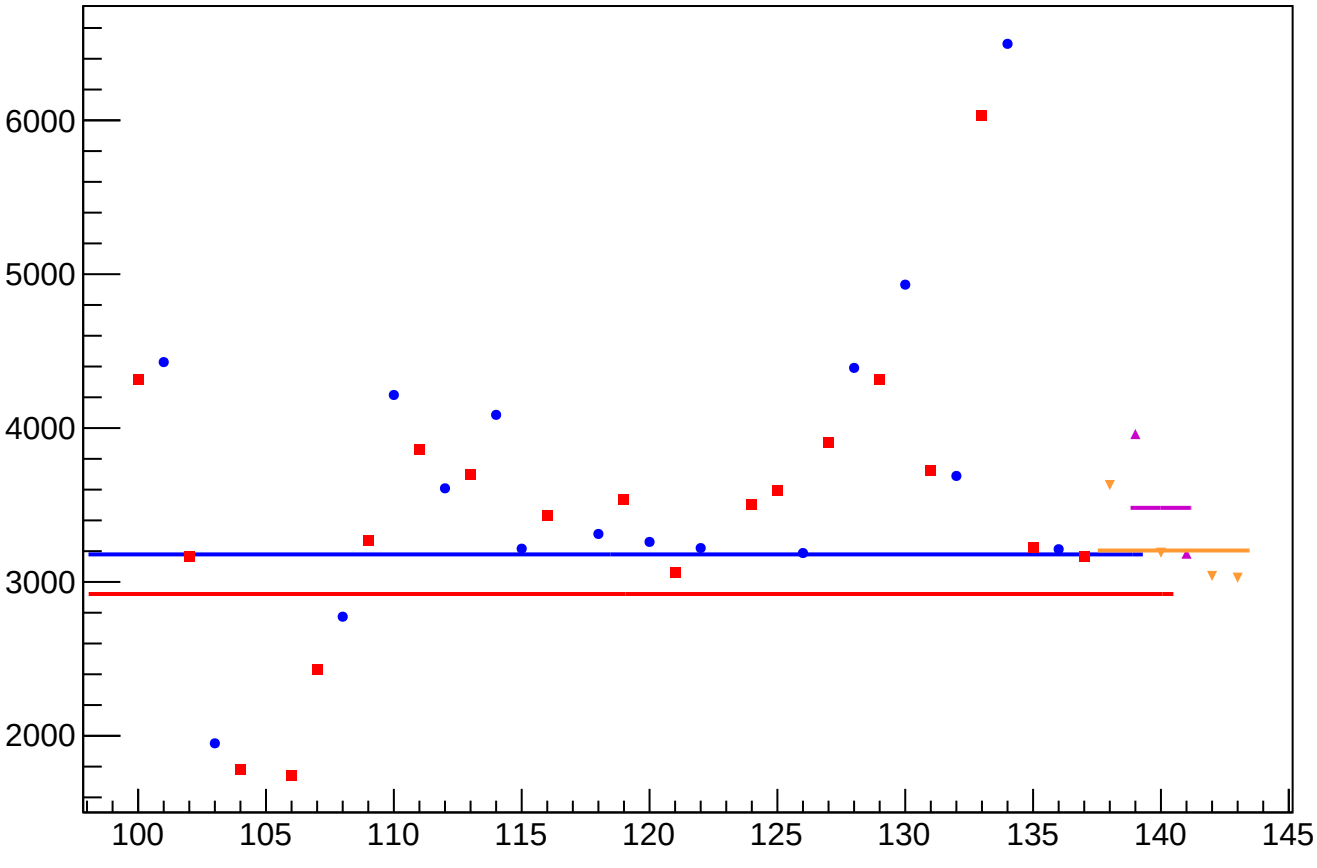
Left: -1179.632+/-1549.199 χ^2/NDF: 1.9/5

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 1030.630+/-1119.155 χ^2/NDF:13.9/17

Out: -593.331+/-976.567 χ^2/NDF:18.8/22

All: 108.668+/-735.819 χ^2/NDF: 33.9/40



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3204.398+/-1.345 χ^2/NDF:29172.6/3

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3481.560+/-1.887 χ^2/NDF:40121.4/1

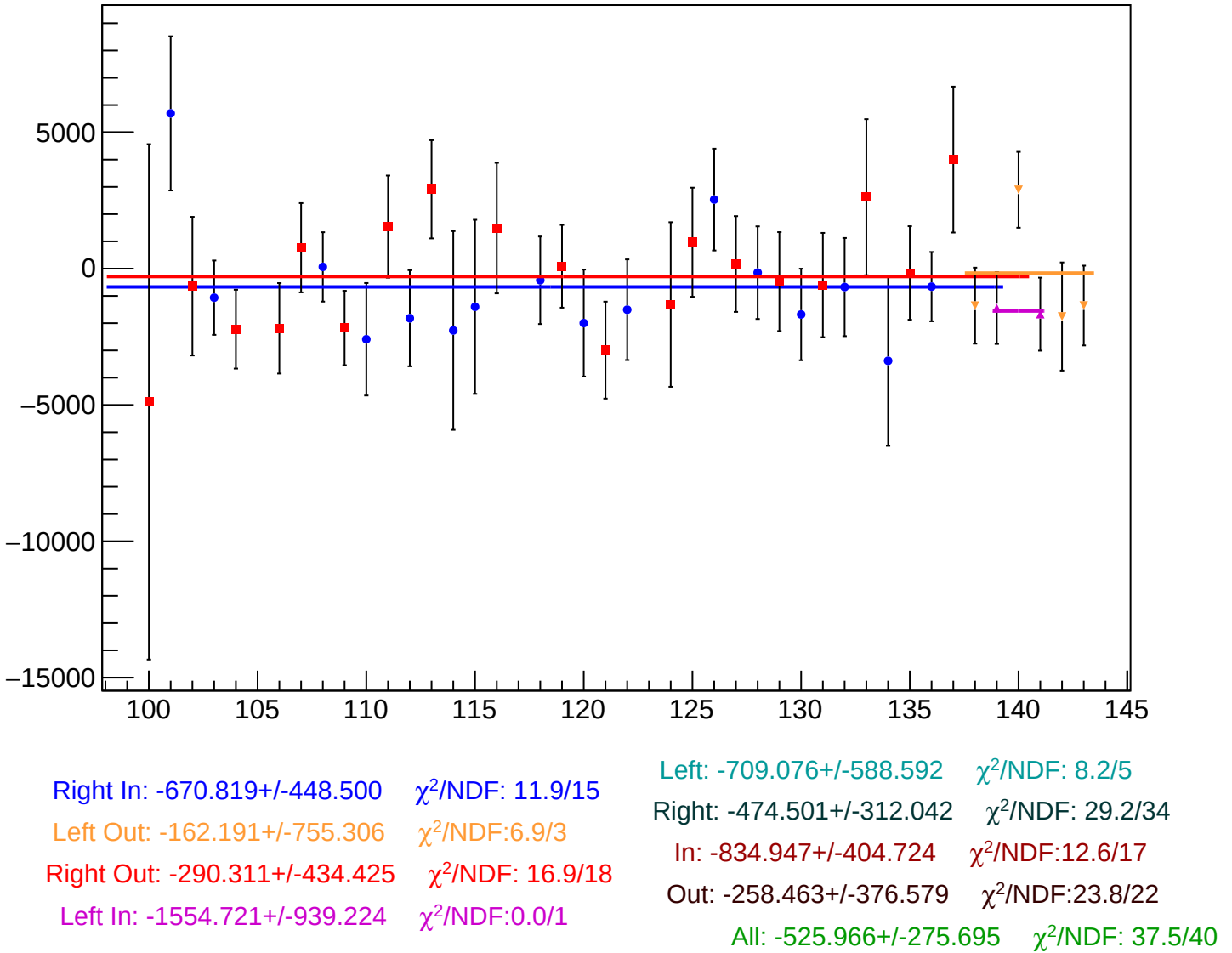
Left: 3297.804+/-1.095 χ^2/NDF: 83597.1/5

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3232.257+/-0.791 χ^2/NDF:1152537.4/17

Out: 2996.133+/-0.691 χ^2/NDF:1374597.9/22

All: 3098.204+/-0.520 χ^2/NDF: 2577679.0/40


dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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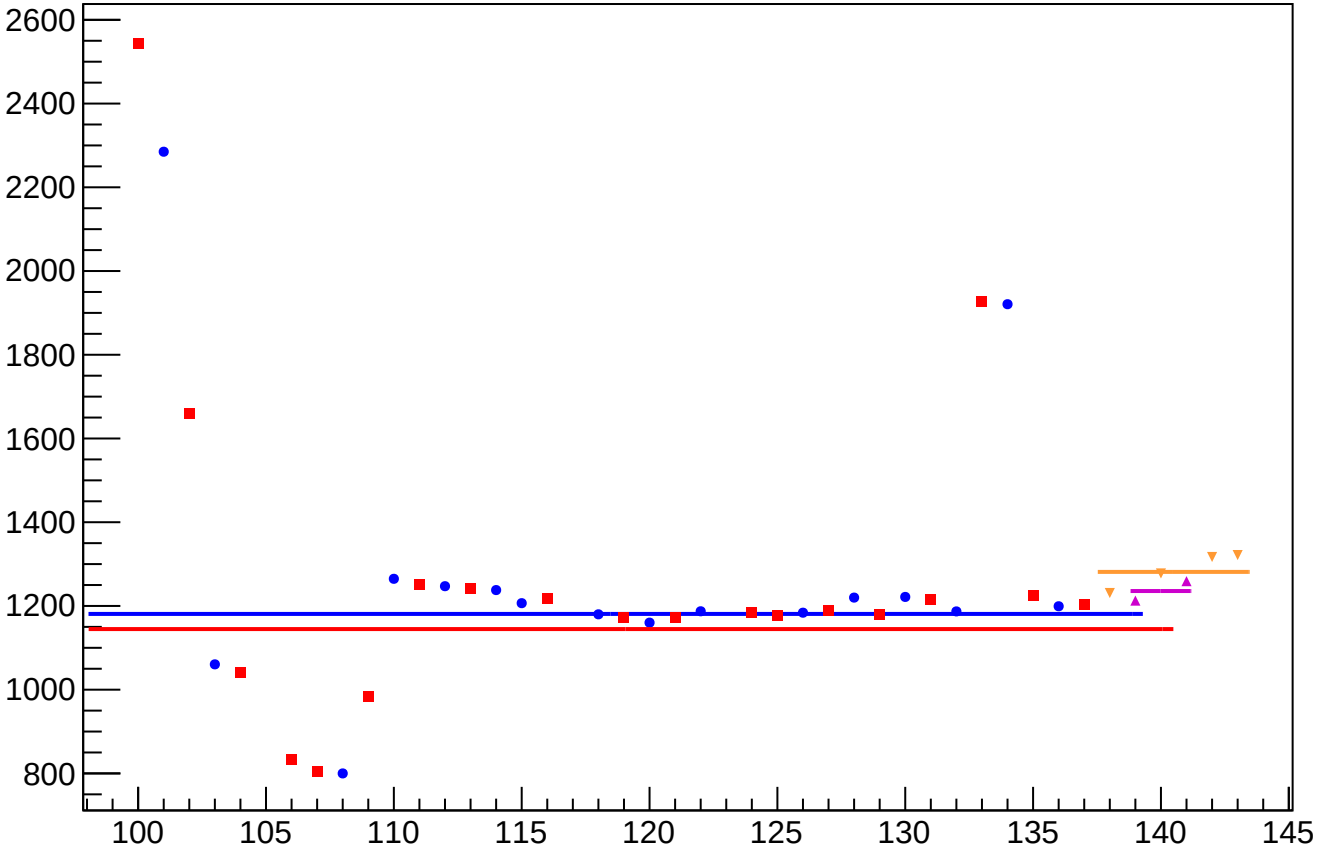
Right In: -670.819+/-448.500 χ²/NDF: 11.9/15
Left Out: -162.191+/-755.306 χ²/NDF:6.9/3
Right Out: -290.311+/-434.425 χ²/NDF: 16.9/18
Left In: -1554.721+/-939.224 χ²/NDF:0.0/1
Left: -709.076+/-588.592 χ²/NDF: 8.2/5
Right: -474.501+/-312.042 χ²/NDF: 29.2/34
In: -834.947+/-404.724 χ²/NDF:12.6/17
Out: -258.463+/-376.579 χ²/NDF:23.8/22
All: -525.966+/-275.695 χ²/NDF: 37.5/40

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1281.340+/-0.534 χ^2/NDF:4790.0/3

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1235.640+/-0.664 χ^2/NDF:1222.8/1

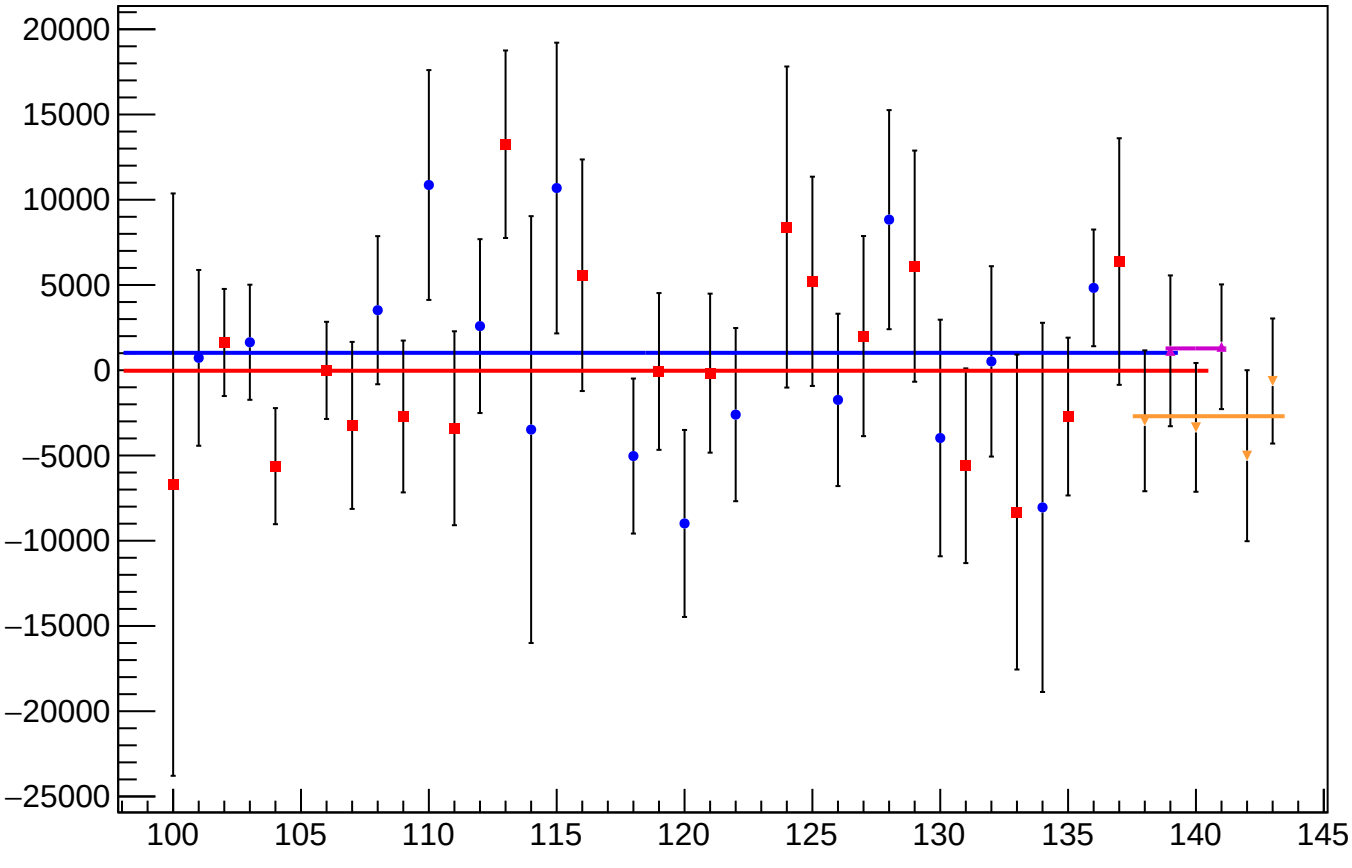
Left: 1263.392+/-0.416 χ^2/NDF: 8888.1/5

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1191.110+/-0.286 χ^2/NDF:628622.5/17

Out: 1178.700+/-0.266 χ^2/NDF:551660.2/22

All: 1184.456+/-0.195 χ^2/NDF: 1181290.8/40



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2698.073+/-2029.586 χ^2/NDF:0.6/3

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: 1280.365+/-2818.391 χ^2/NDF:0.0/1

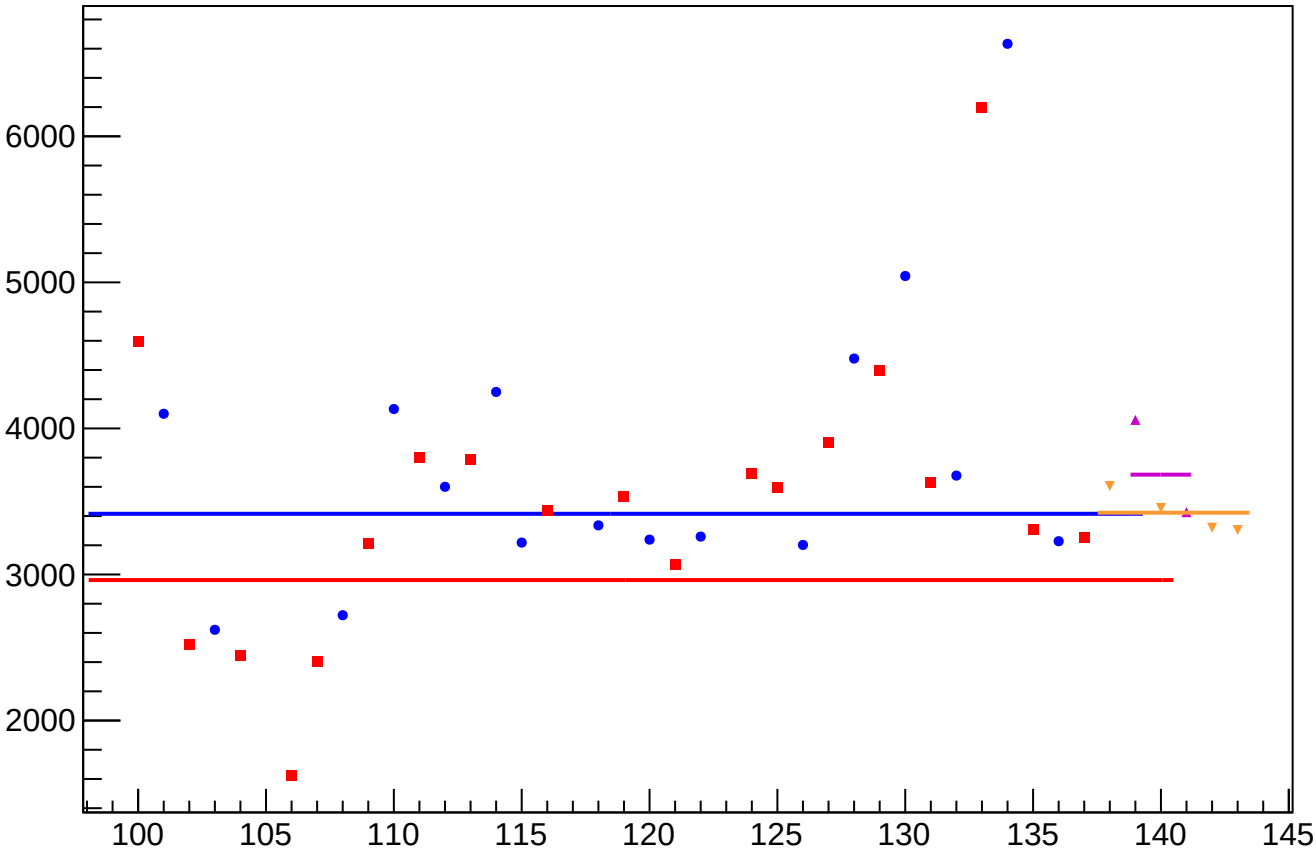
Left: -1339.482+/-1646.983 χ^2/NDF: 1.9/5

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 1066.680+/-1182.293 χ^2/NDF:13.9/17

Out: -662.091+/-987.786 χ^2/NDF:18.0/22

All: 48.577+/-758.036 χ^2/NDF: 33.2/40



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3423.055+/-1.435 χ^2/NDF:6992.2/3

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3683.462+/-1.993 χ^2/NDF:24237.5/1

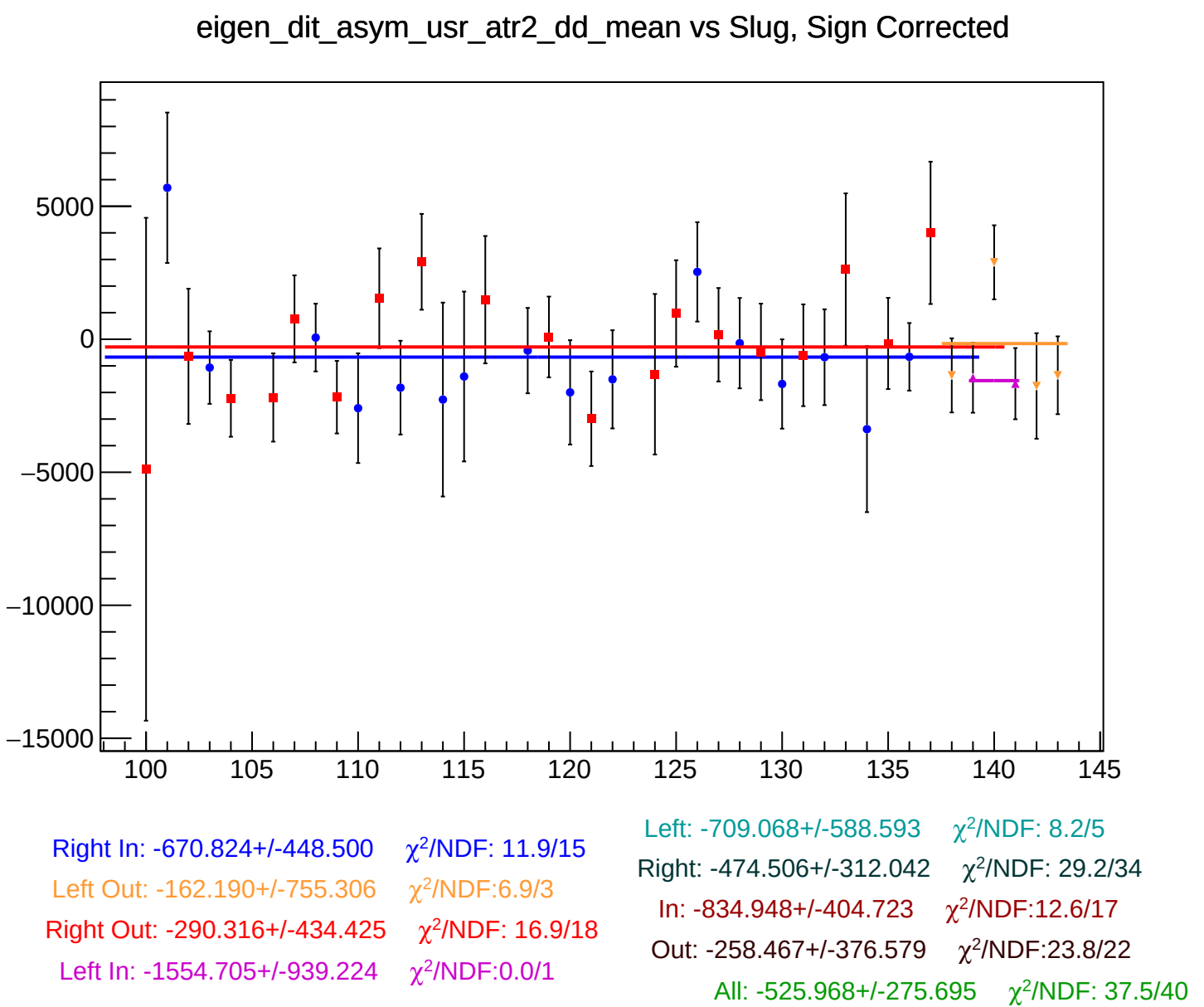
Left: 3511.981+/-1.165 χ^2/NDF: 42473.0/5

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3462.732+/-0.836 χ^2/NDF:631468.5/17

Out: 3071.056+/-0.698 χ^2/NDF:1255081.0/22

All: 3232.068+/-0.536 χ^2/NDF: 2015816.4/40


eigen_dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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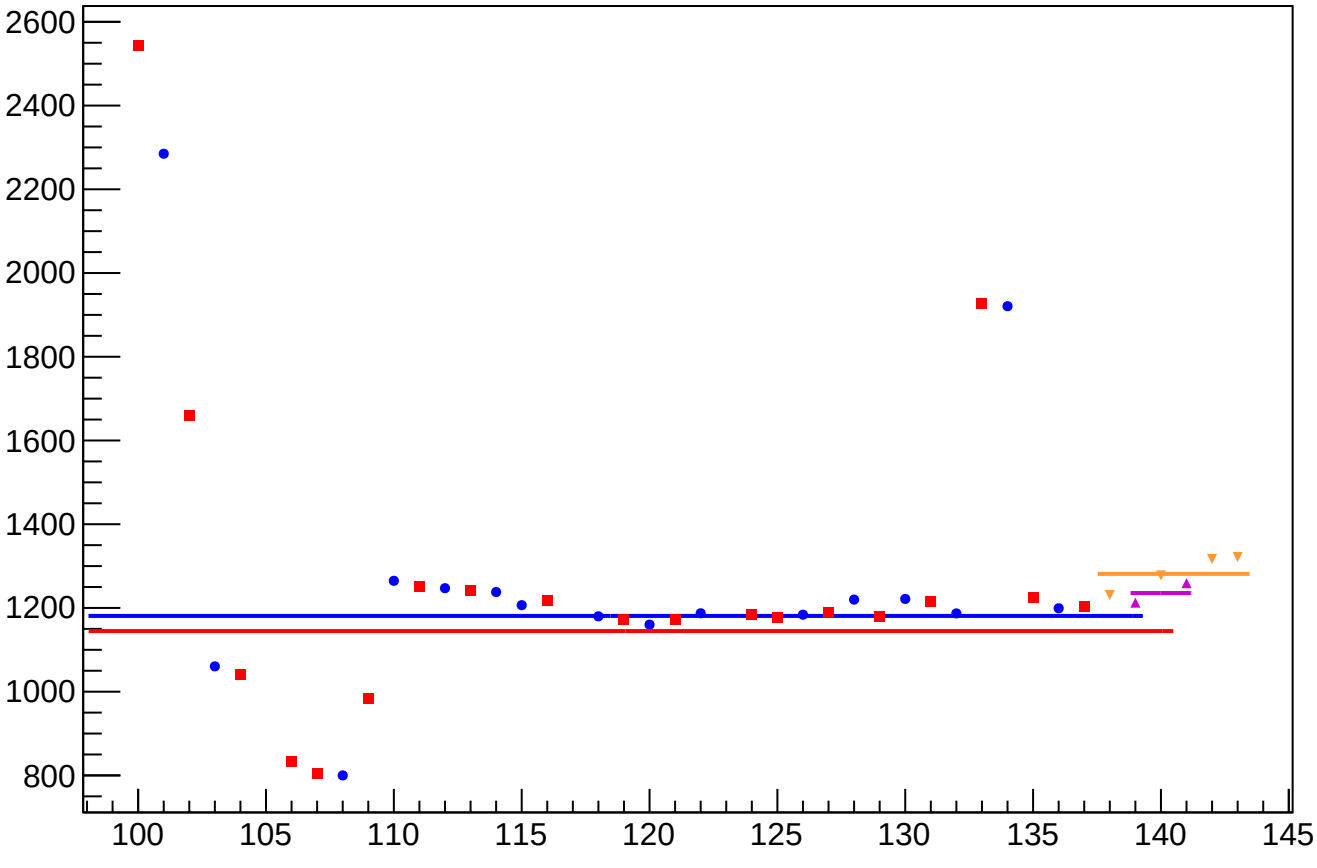
Right In: -670.824+/-448.500 χ²/NDF: 11.9/15
Left Out: -162.190+/-755.306 χ²/NDF:6.9/3
Right Out: -290.316+/-434.425 χ²/NDF: 16.9/18
Left In: -1554.705+/-939.224 χ²/NDF:0.0/1
Left: -709.068+/-588.593 χ²/NDF: 8.2/5
Right: -474.506+/-312.042 χ²/NDF: 29.2/34
In: -834.948+/-404.723 χ²/NDF:12.6/17
Out: -258.467+/-376.579 χ²/NDF:23.8/22
All: -525.968+/-275.695 χ²/NDF: 37.5/40



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1281.340+/-0.534 χ^2/NDF:4790.0/3

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1235.641+/-0.664 χ^2/NDF:1222.7/1

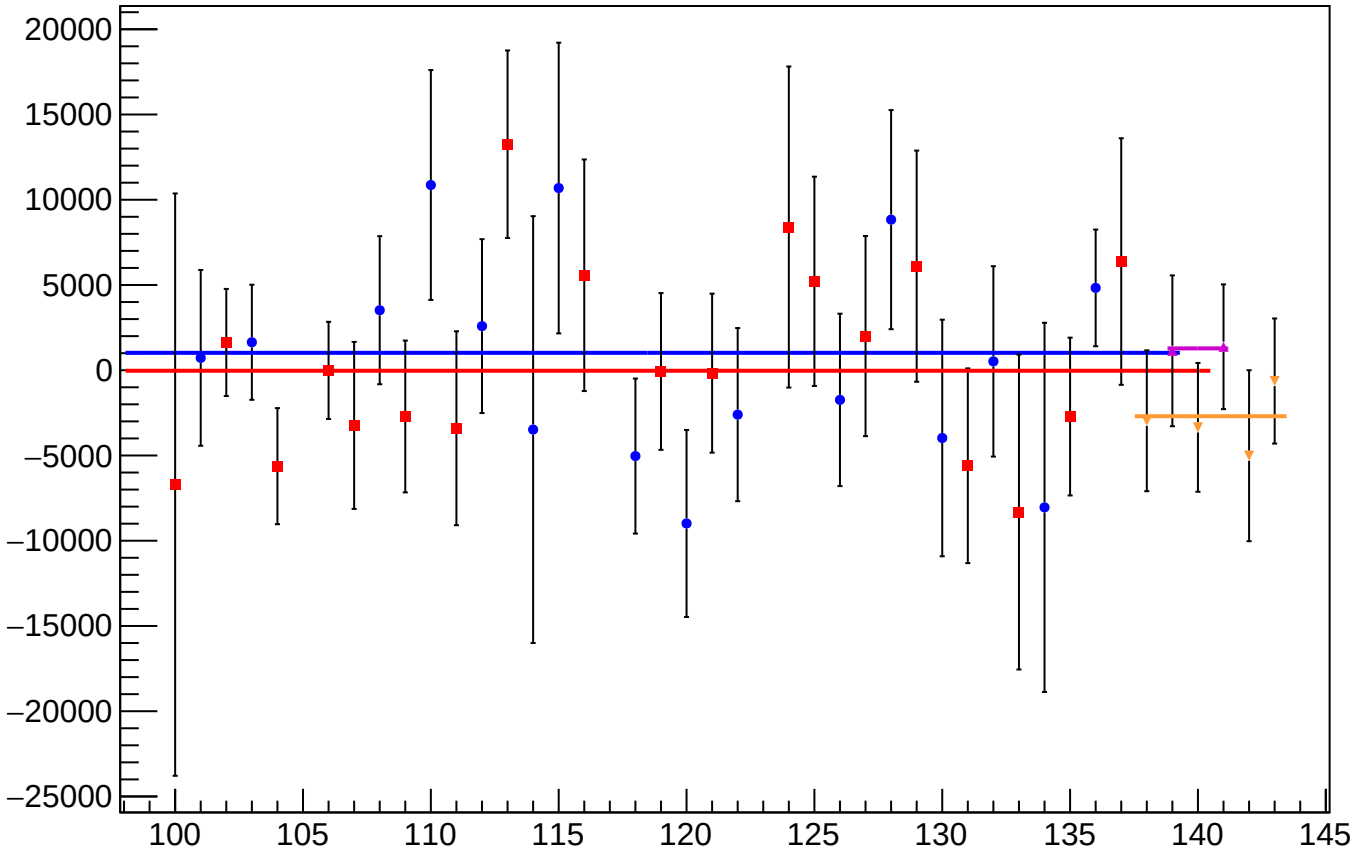
Left: 1263.393+/-0.416 χ^2/NDF: 8888.2/5

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1191.109+/-0.286 χ^2/NDF:628622.8/17

Out: 1178.701+/-0.266 χ^2/NDF:551660.1/22

All: 1184.457+/-0.195 χ^2/NDF: 1181290.8/40



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2698.077+/-2029.588 χ^2/NDF:0.6/3

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 1280.383+/-2818.392 χ^2/NDF:0.0/1

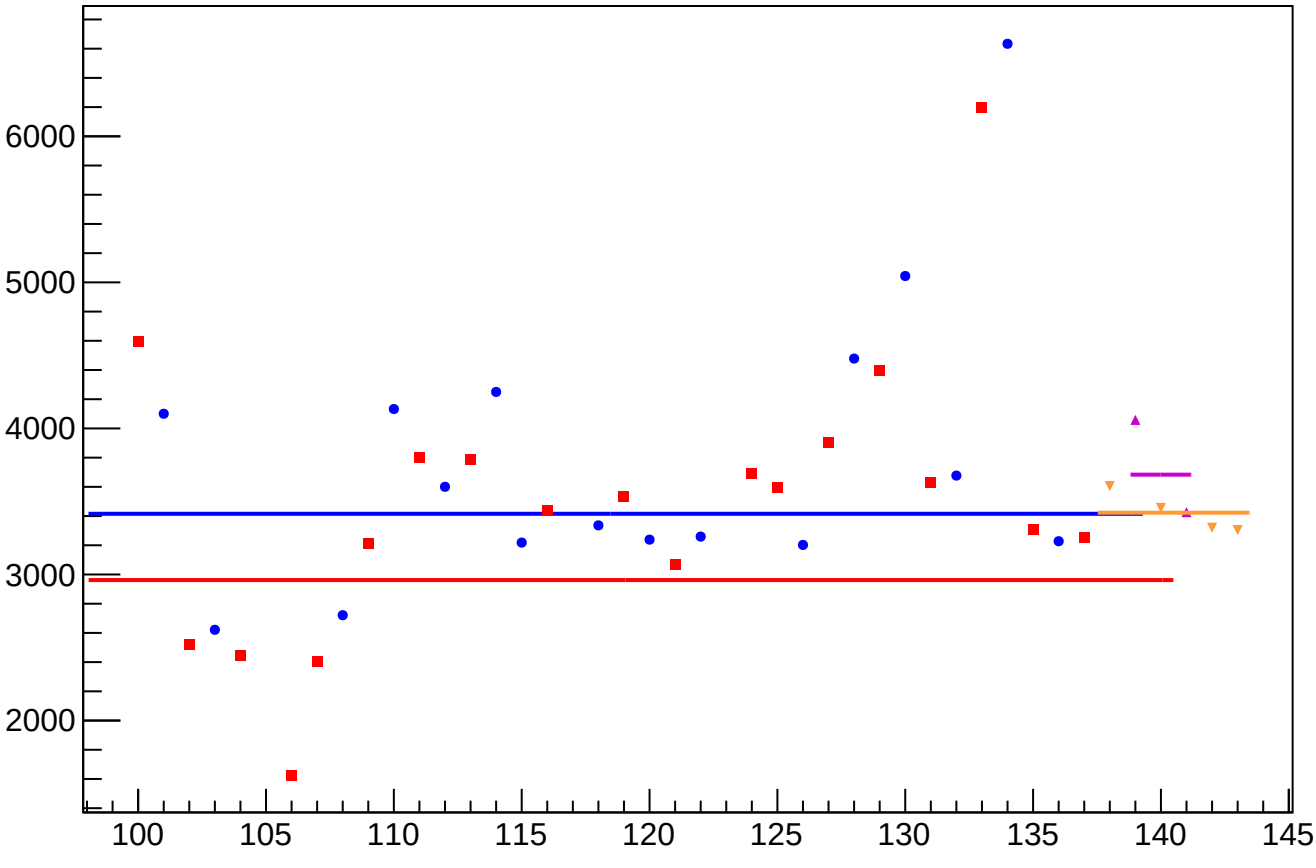
Left: -1339.478+/-1646.984 χ^2/NDF: 1.9/5

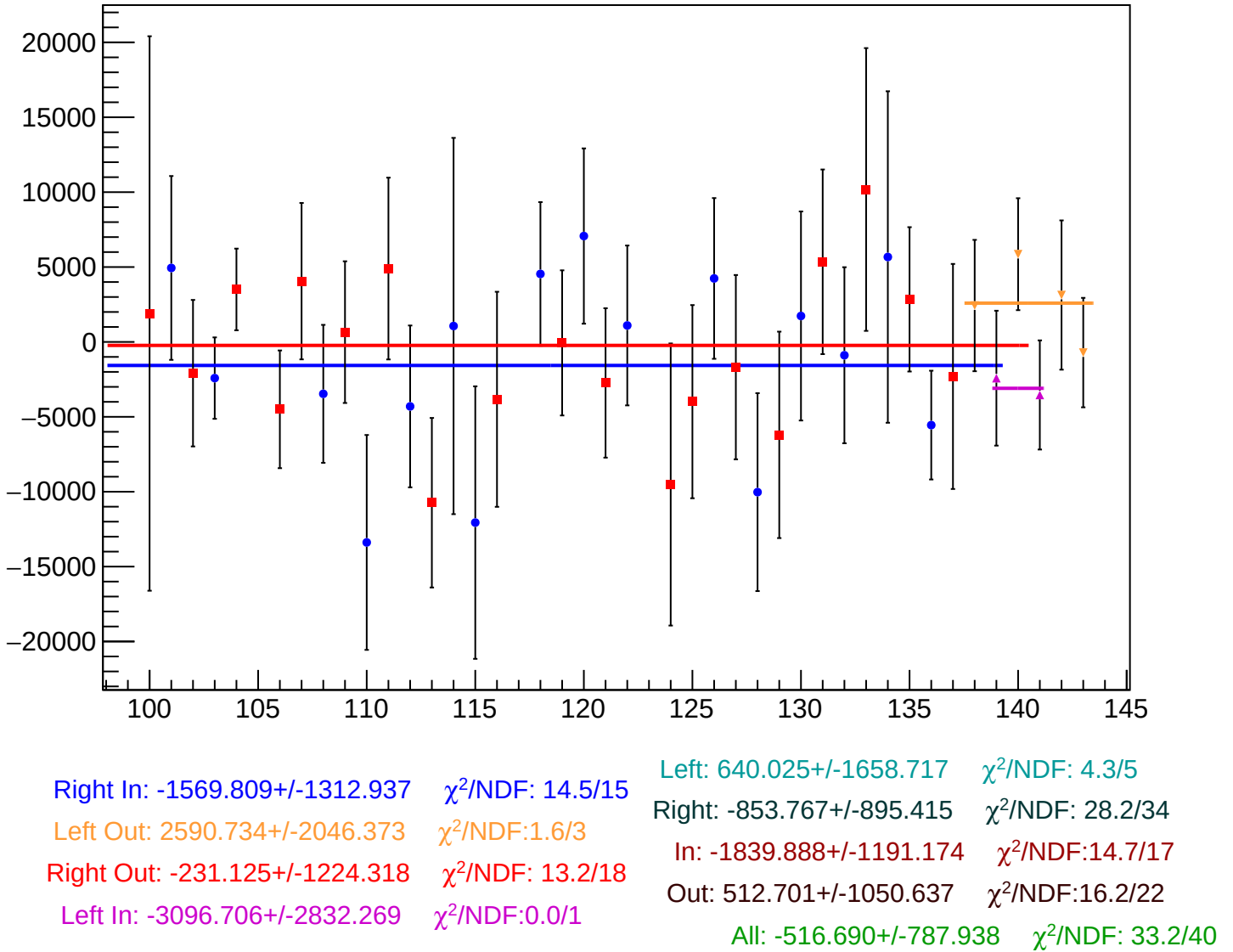
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 1066.669+/-1182.292 χ^2/NDF:13.9/17

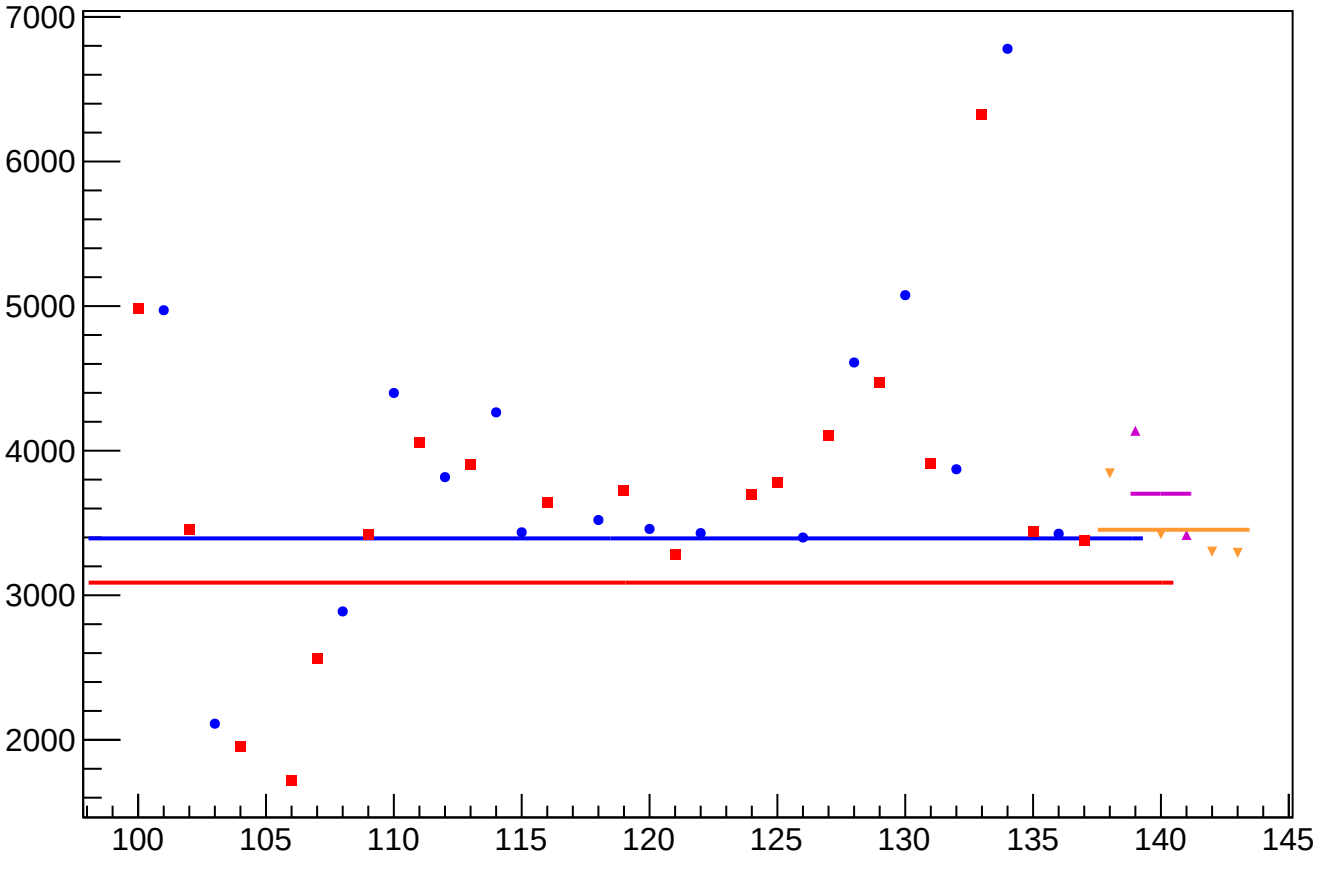
Out: -662.094+/-987.785 χ^2/NDF:18.0/22

All: 48.570+/-758.036 χ^2/NDF: 33.2/40


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3423.058+/-1.435 χ²/NDF:6992.0/3
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3683.463+/-1.993 χ²/NDF:24238.1/1
Left: 3511.983+/-1.165 χ²/NDF: 42473.2/5
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3462.729+/-0.836 χ²/NDF:631464.7/17
Out: 3071.053+/-0.698 χ²/NDF:1255083.0/22
All: 3232.064+/-0.536 χ²/NDF: 2015815.3/40


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 2590.734+/-2046.373 χ²/NDF:1.6/3
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: -3096.706+/-2832.269 χ²/NDF:0.0/1
Left: 640.025+/-1658.717 χ²/NDF: 4.3/5
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -1839.888+/-1191.174 χ²/NDF:14.7/17
Out: 512.701+/-1050.637 χ²/NDF:16.2/22
All: -516.690+/-787.938 χ²/NDF: 33.2/40

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3452.944+/-1.447 χ^2/NDF:21615.1/3

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3702.238+/-2.003 χ^2/NDF:30959.7/1

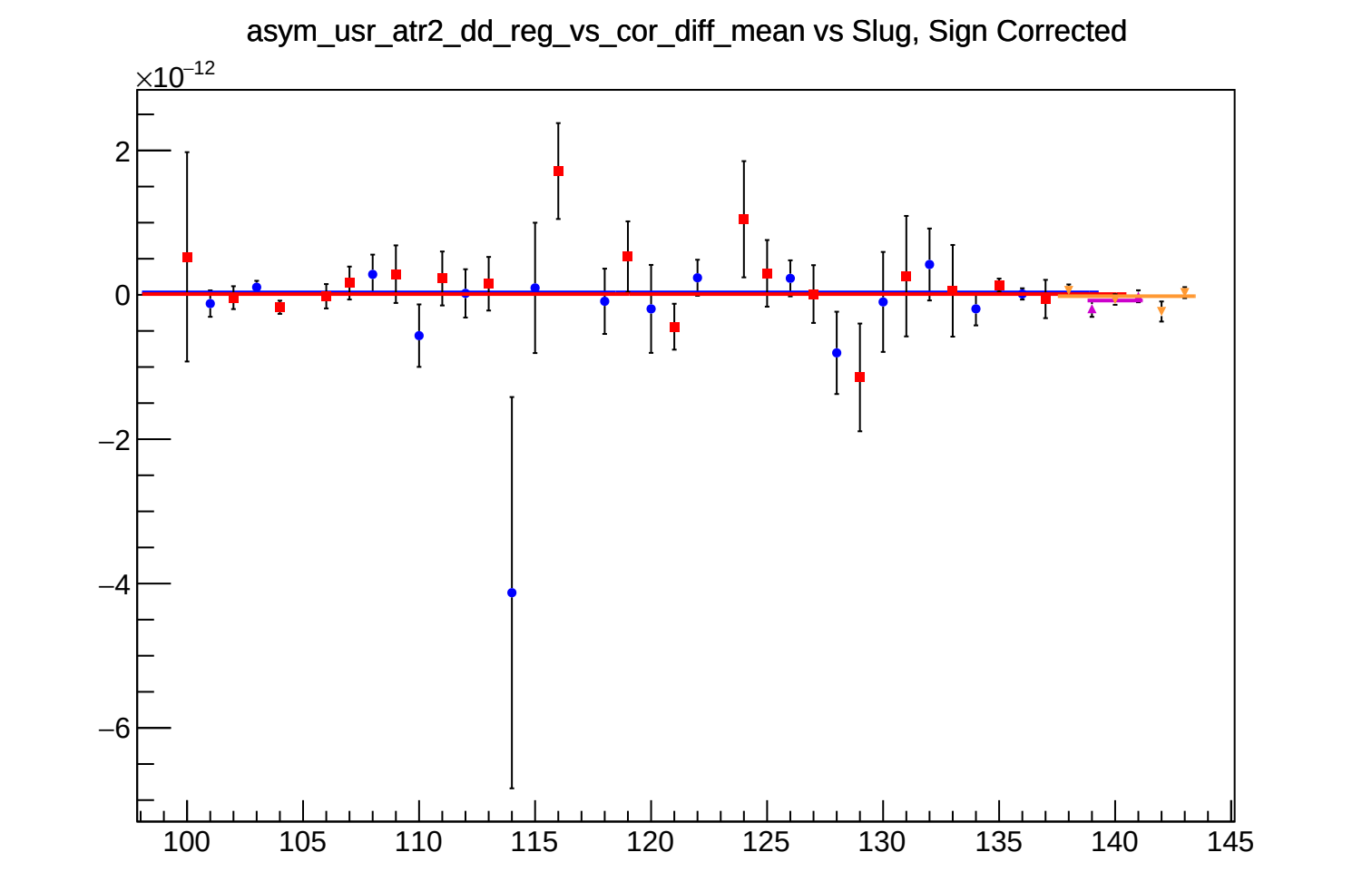
Left: 3538.448+/-1.173 χ^2/NDF: 62755.0/5

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3447.999+/-0.842 χ^2/NDF:1099245.9/17

Out: 3181.308+/-0.734 χ^2/NDF:1397405.9/22

All: 3296.363+/-0.553 χ^2/NDF: 2553653.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/1

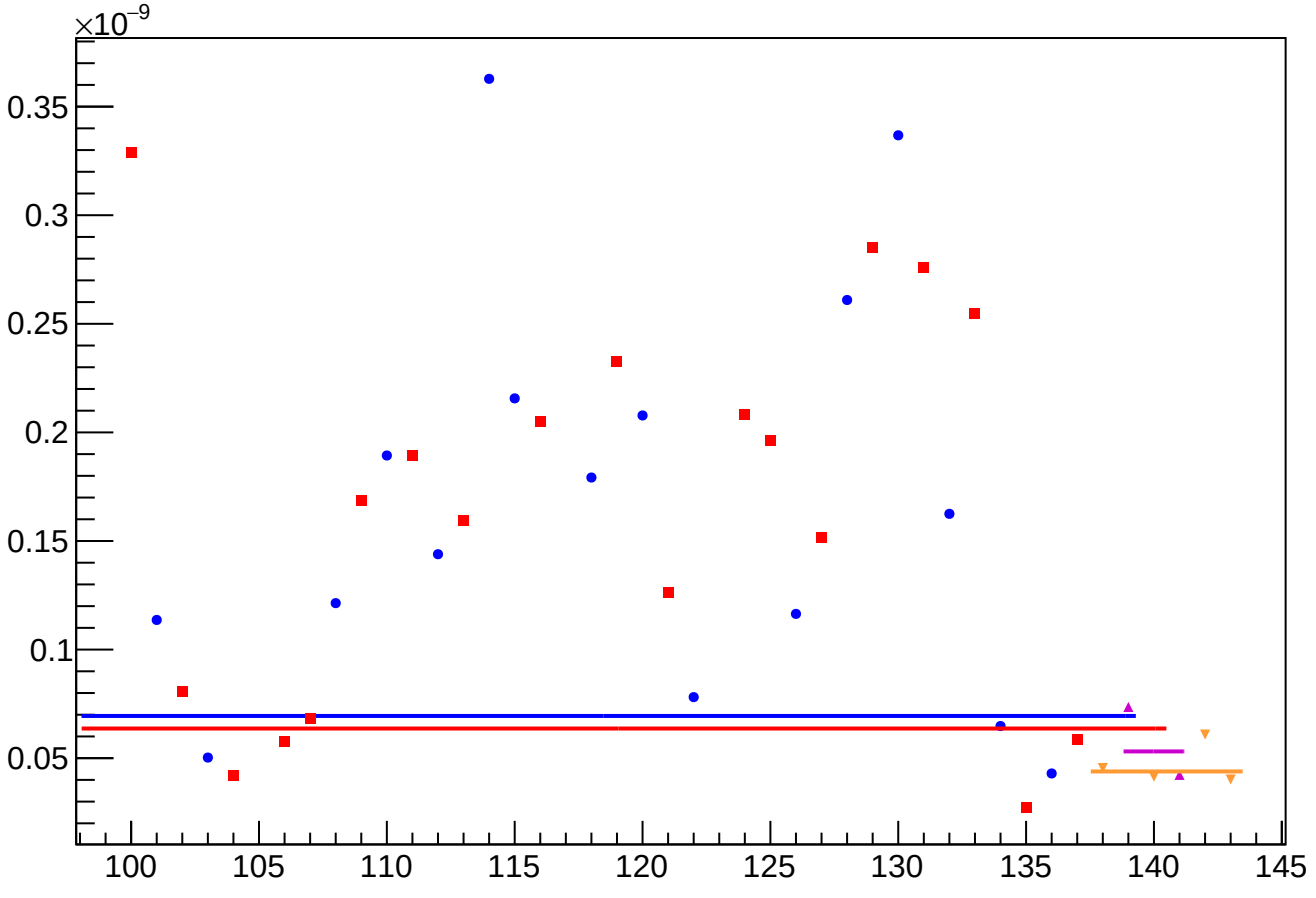
Left: -0.000+/-0.000 χ^2/NDF: 6.1/5

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:26.1/22

All: -0.000+/-0.000 χ^2/NDF: 41.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:37495.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:98410.6/1

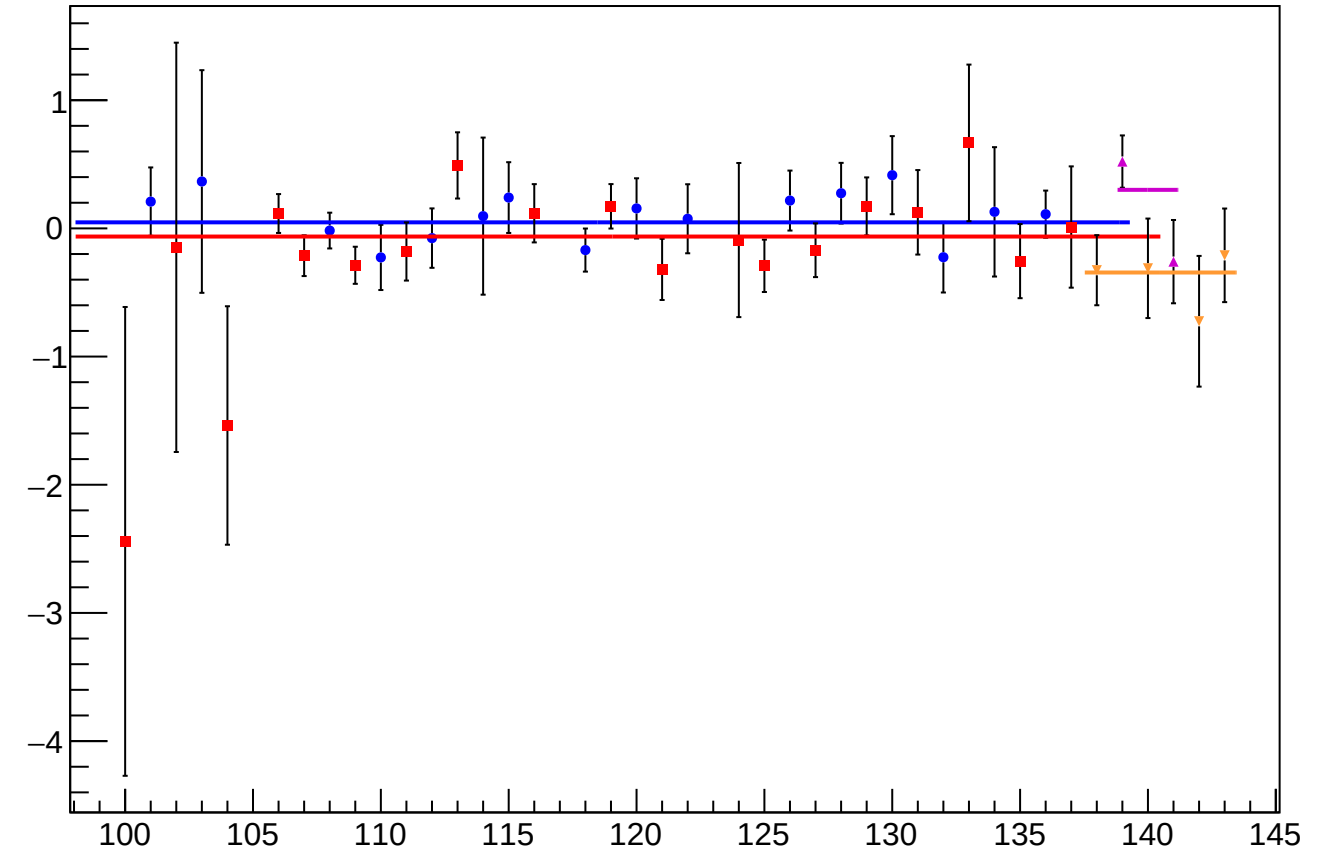
Left: 0.000+/-0.000 χ^2/NDF: 162977.9/5

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:2471560.0/22

All: 0.000+/-0.000 χ^2/NDF: 4478718.4/40



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.344+/-0.179 χ^2/NDF:0.7/3

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.301+/-0.173 χ^2/NDF:4.1/1

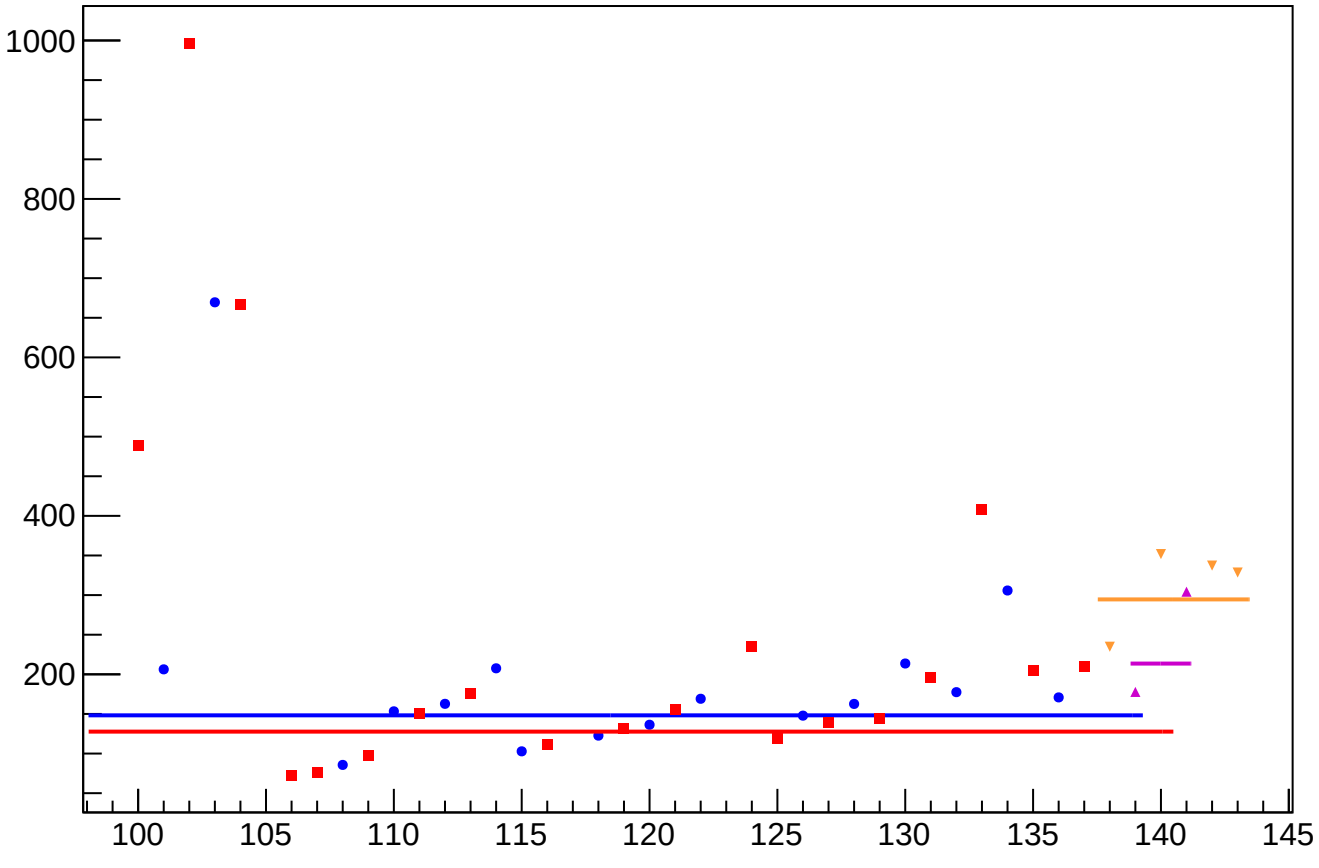
Left: -0.011+/-0.124 χ^2/NDF: 11.6/5

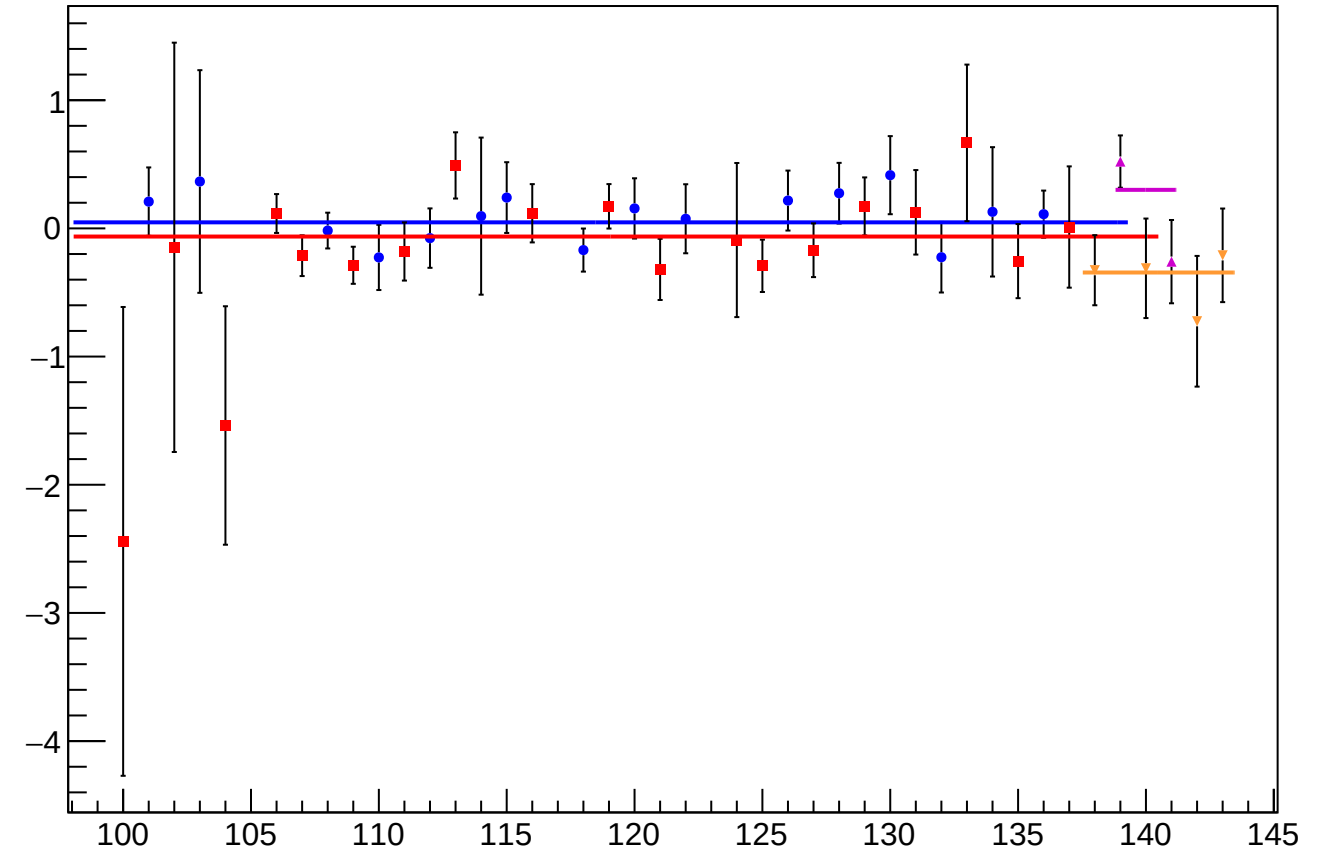
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.013+/-0.038 χ^2/NDF: 44.2/40


asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
105
110
115
120
125
130
135
140
145
Right In: 148.240+/-0.042 χ²/NDF: 1710035.6/15
Left Out: 294.554+/-0.126 χ²/NDF:170083.1/3
Right Out: 127.685+/-0.039 χ²/NDF: 2841780.7/18
Left In: 213.564+/-0.122 χ²/NDF:217379.2/1
Left: 252.710+/-0.088 χ²/NDF: 599977.0/5
Right: 137.004+/-0.029 χ²/NDF: 4680006.1/34
In: 155.279+/-0.040 χ²/NDF:2182626.4/17
Out: 141.981+/-0.037 χ²/NDF:4608390.0/22
All: 148.091+/-0.027 χ²/NDF: 6850481.6/40



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.344+/-0.179 χ^2/NDF:0.7/3

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: -0.011+/-0.124 χ^2/NDF: 11.6/5

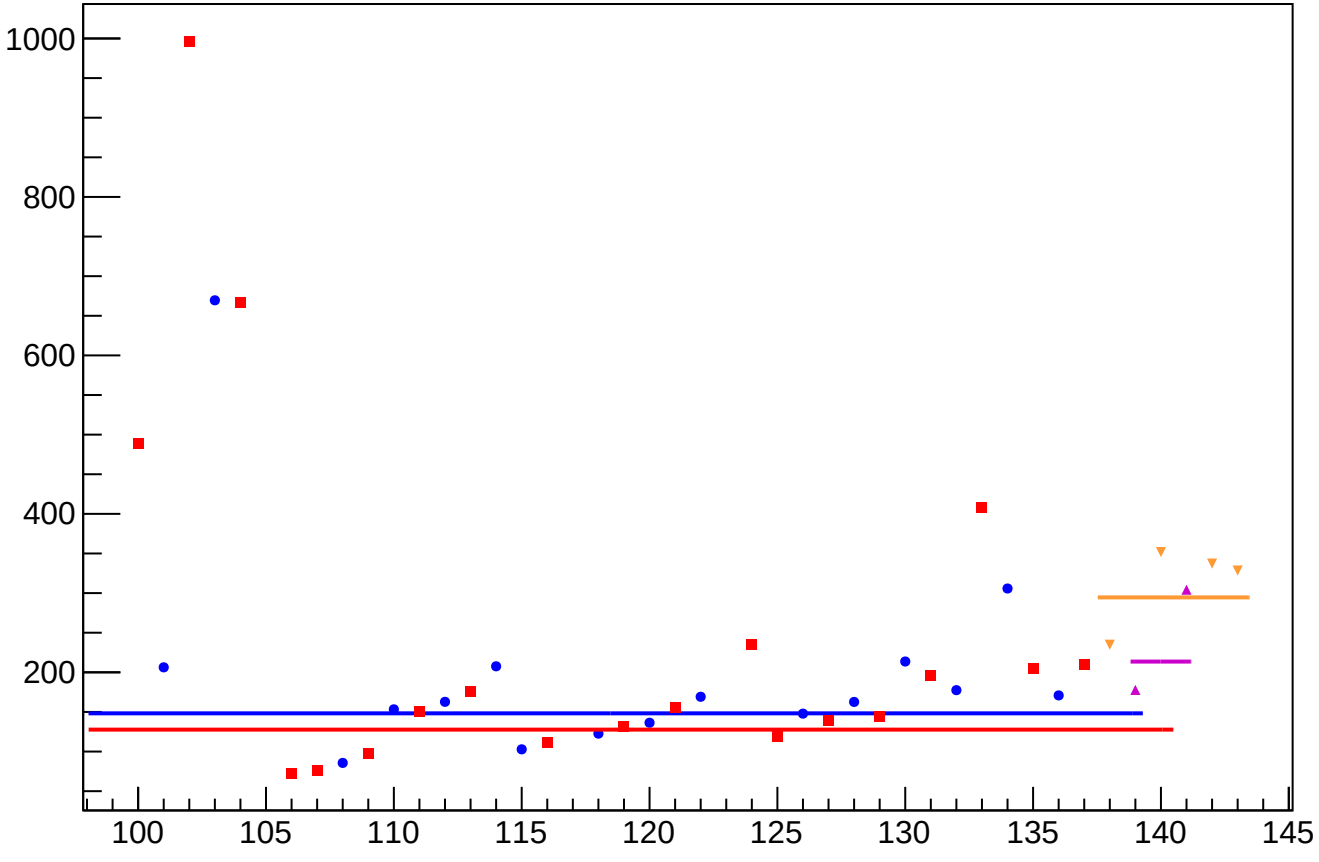
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.013+/-0.038 χ^2/NDF: 44.2/40

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: 294.554+/-0.126 χ^2/NDF:170083.1/3

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 213.564+/-0.122 χ^2/NDF:217379.2/1

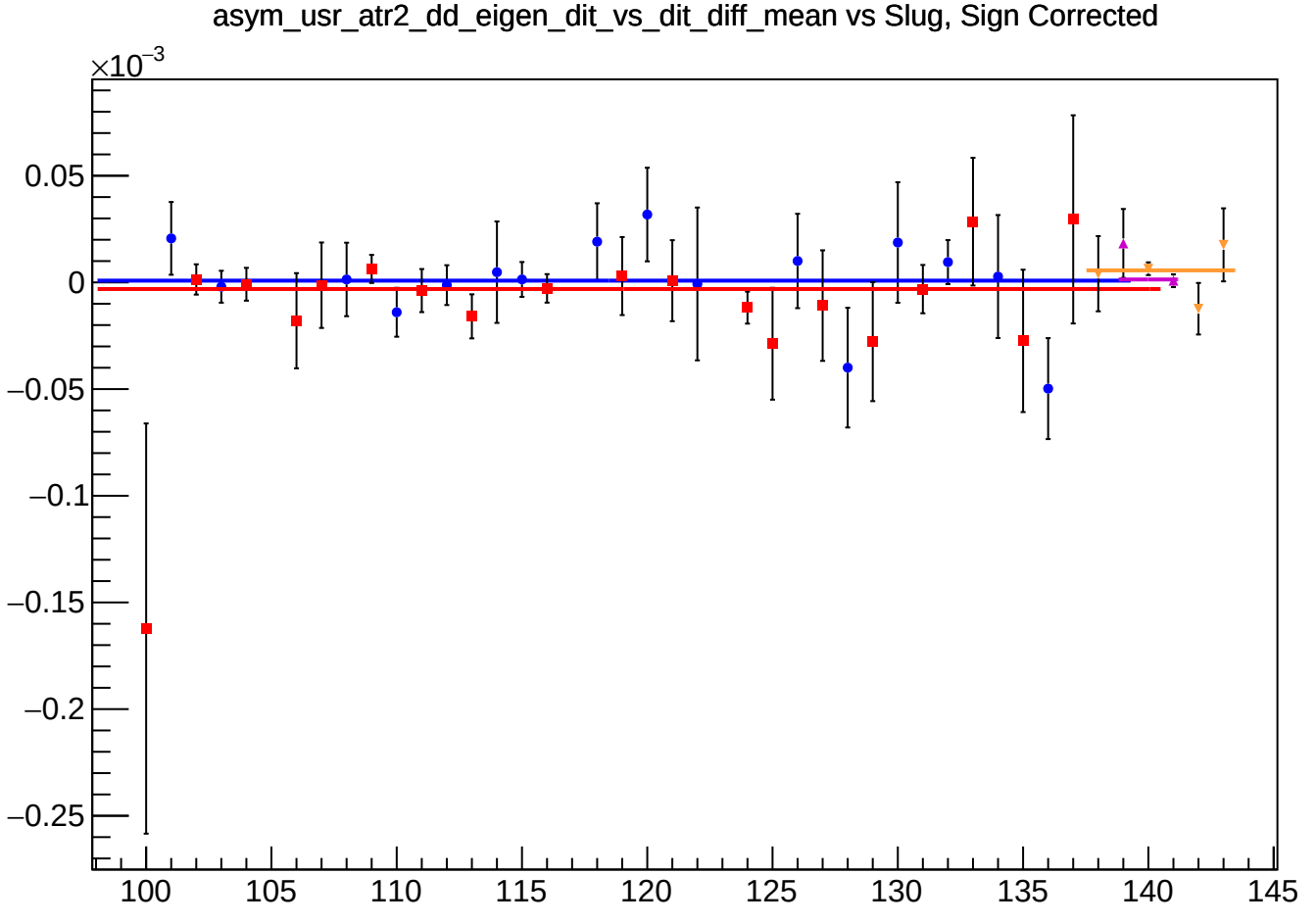
Left: 252.710+/-0.088 χ^2/NDF: 599977.0/5

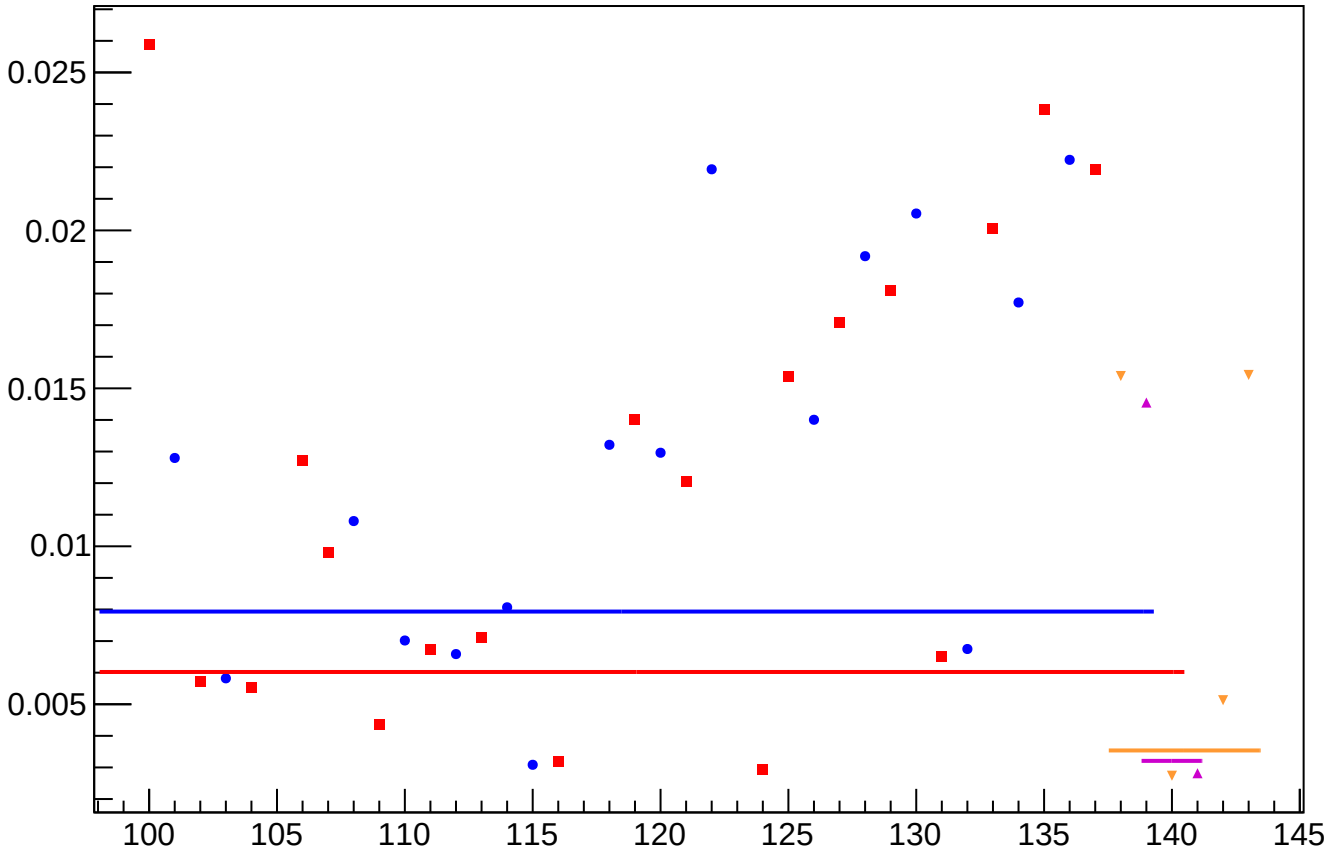
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 155.279+/-0.040 χ^2/NDF:2182626.4/17

Out: 141.981+/-0.037 χ^2/NDF:4608390.0/22

All: 148.091+/-0.027 χ^2/NDF: 6850481.6/40


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2.8/3
Right Out: -0.000+/-0.000 χ²/NDF: 12.7/18
Left In: 0.000+/-0.000 χ²/NDF:1.1/1
Left: 0.000+/-0.000 χ²/NDF: 5.0/5
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:15.4/17
Out: 0.000+/-0.000 χ²/NDF:20.6/22
All: 0.000+/-0.000 χ²/NDF: 36.0/40



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2045907.1/3

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.003+/-0.000 χ^2/NDF:1019135.3/1

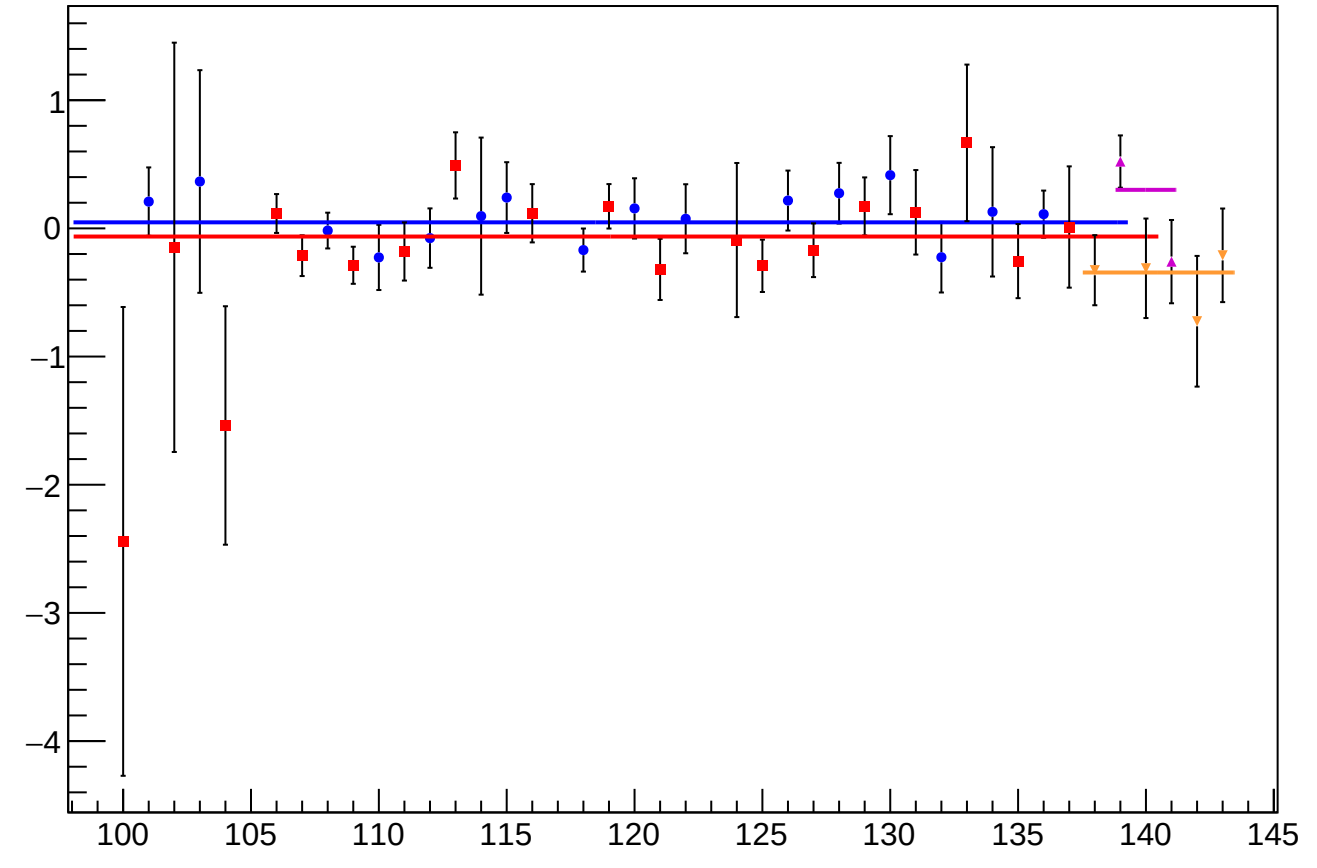
Left: 0.003+/-0.000 χ^2/NDF: 3078098.7/5

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:6883009.4/22

All: 0.005+/-0.000 χ^2/NDF: 13664759.2/40



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.344+/-0.179 χ^2/NDF:0.7/3

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: -0.011+/-0.124 χ^2/NDF: 11.6/5

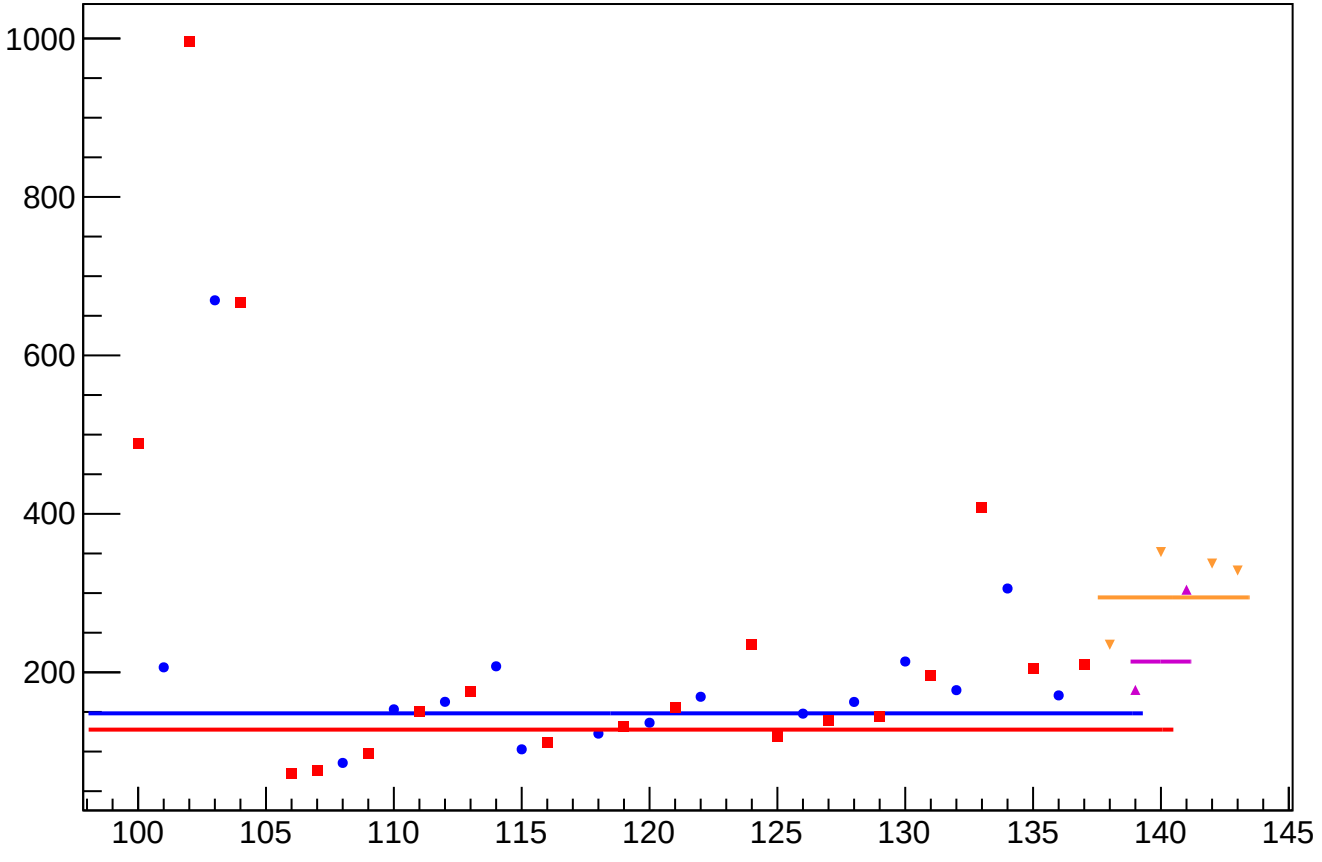
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.013+/-0.038 χ^2/NDF: 44.2/40

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: 294.558+/-0.126 χ^2/NDF:170068.1/3

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: 252.713+/-0.088 χ^2/NDF: 599948.3/5

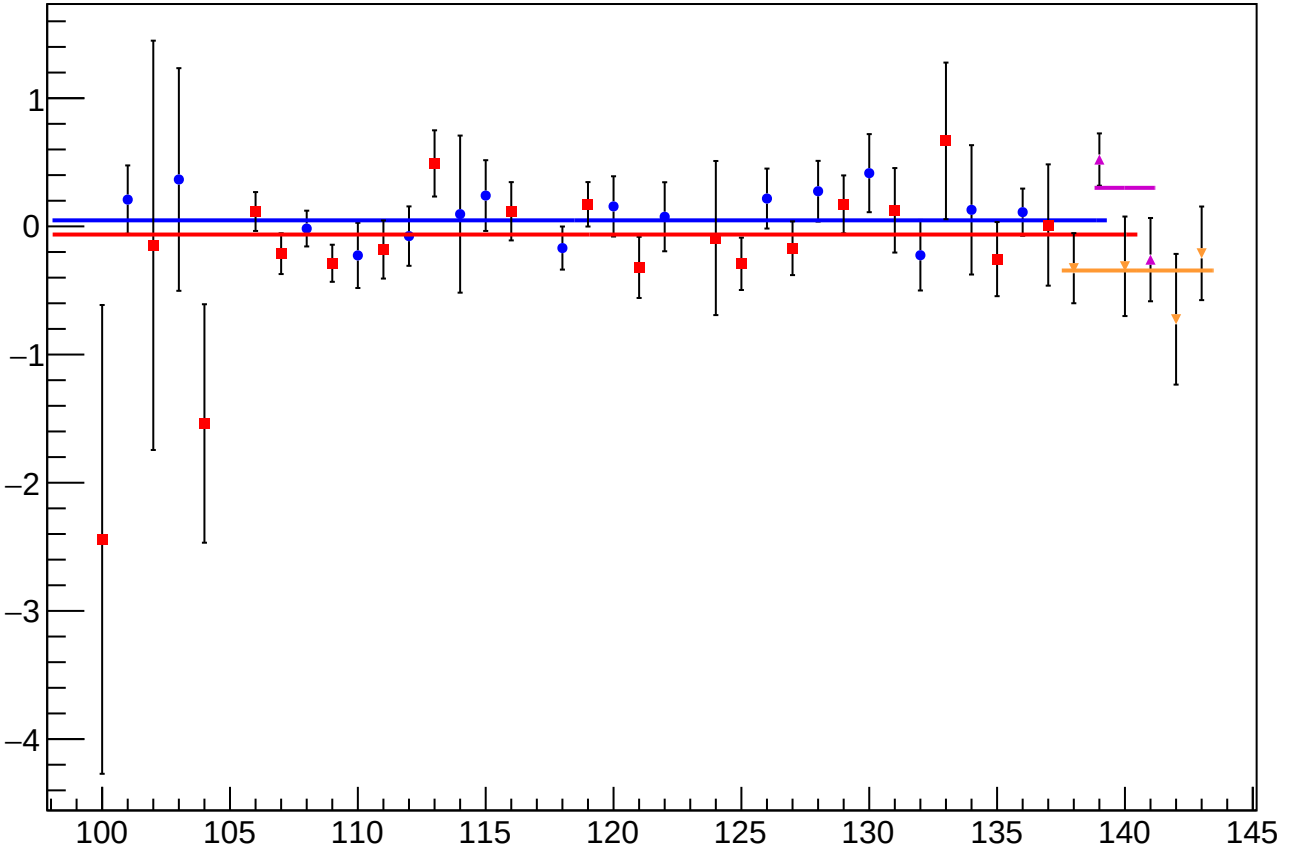
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 155.277+/-0.040 χ^2/NDF:2182724.0/17

Out: 141.982+/-0.037 χ^2/NDF:4608407.3/22

All: 148.090+/-0.027 χ^2/NDF: 6850576.7/40

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: -0.344+/-0.179 χ^2/NDF:0.7/3

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.301+/-0.173 χ^2/NDF:4.1/1

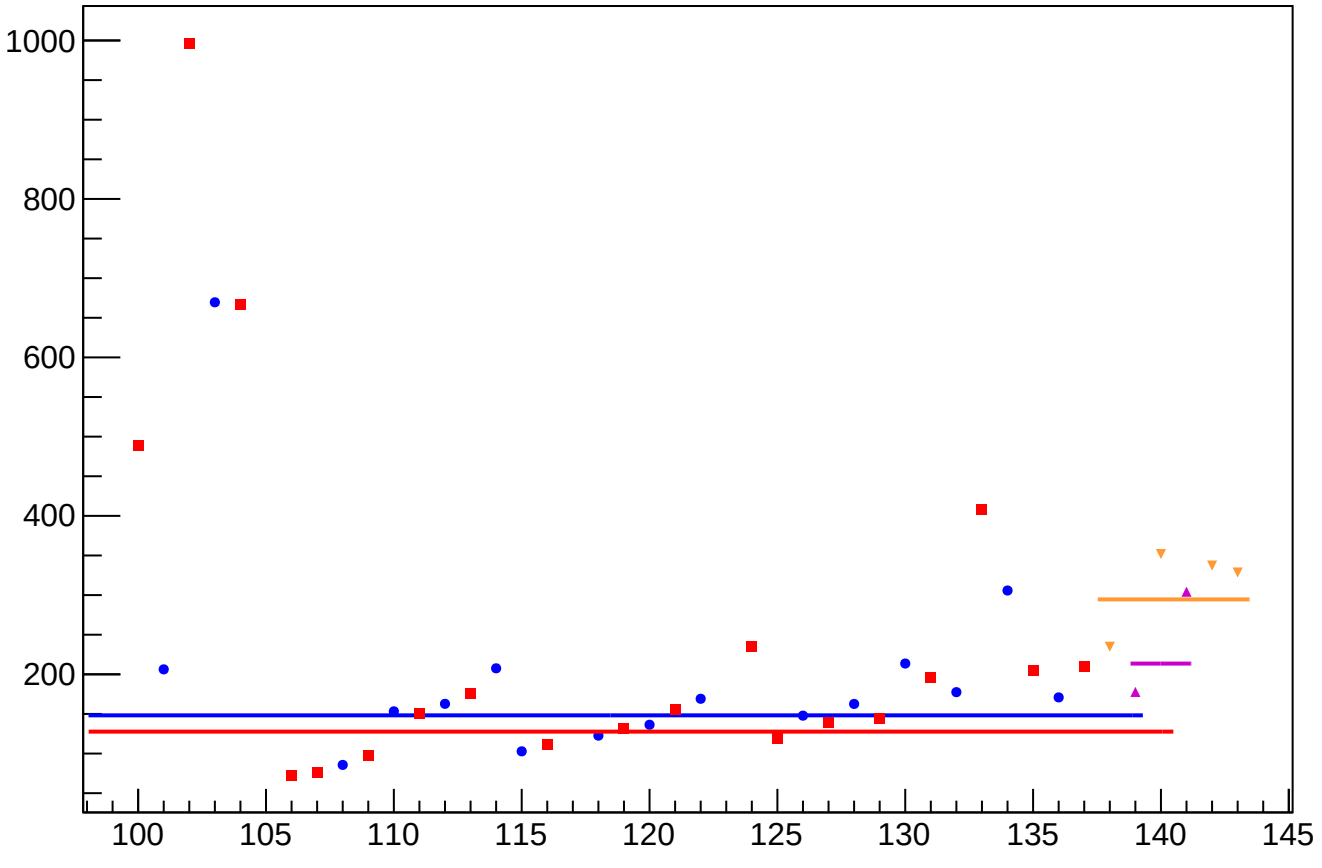
Left: -0.011+/-0.124 χ^2/NDF: 11.6/5

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.074+/-0.057 χ^2/NDF:14.6/17

Out: -0.088+/-0.052 χ^2/NDF:25.2/22

All: -0.013+/-0.038 χ^2/NDF: 44.2/40



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 294.558+/-0.126 χ^2/NDF:170068.1/3

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 213.567+/-0.122 χ^2/NDF:217362.6/1

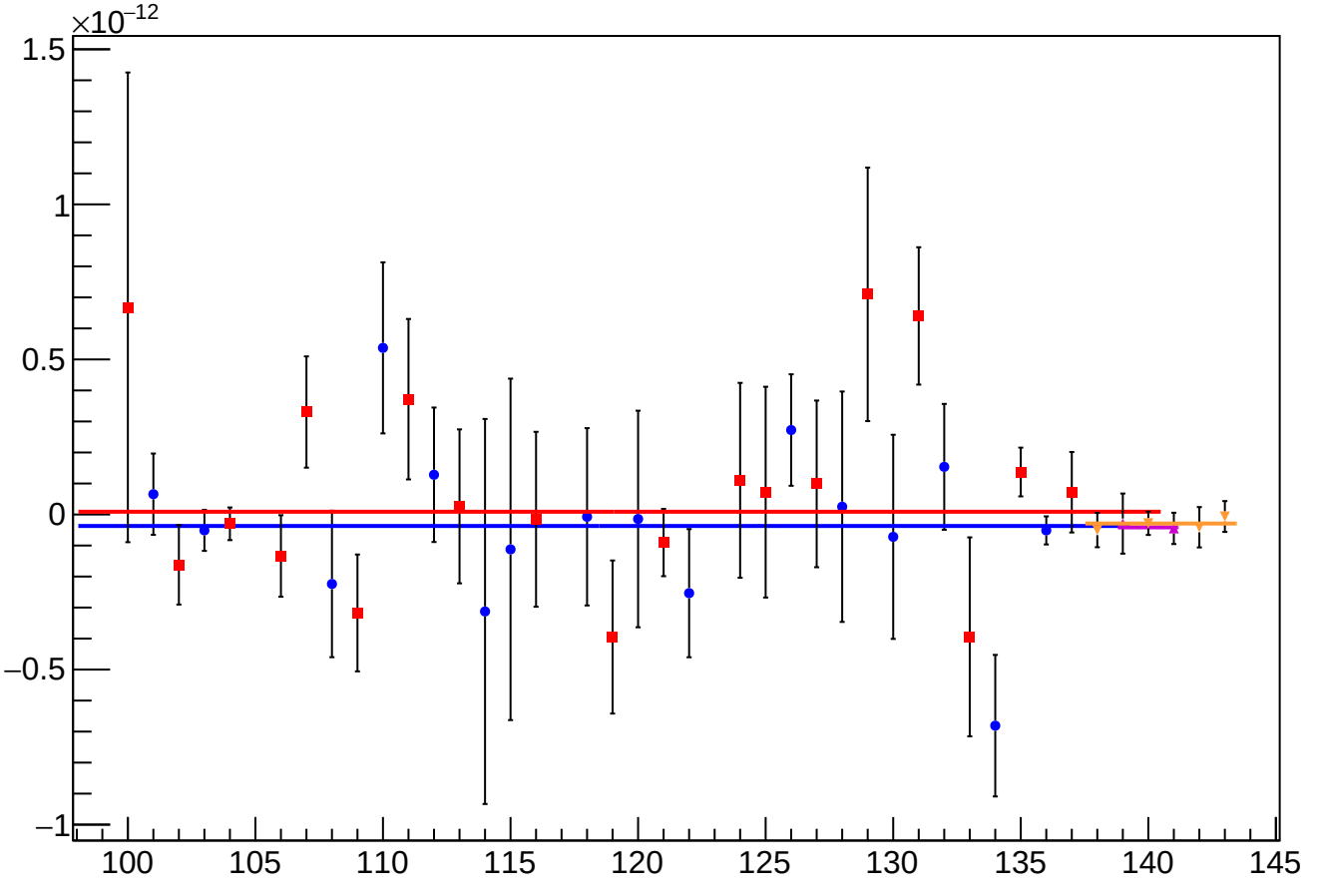
Left: 252.713+/-0.088 χ^2/NDF: 599948.3/5

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 155.277+/-0.040 χ^2/NDF:2182724.0/17

Out: 141.982+/-0.037 χ^2/NDF:4608407.3/22

All: 148.090+/-0.027 χ^2/NDF: 6850576.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

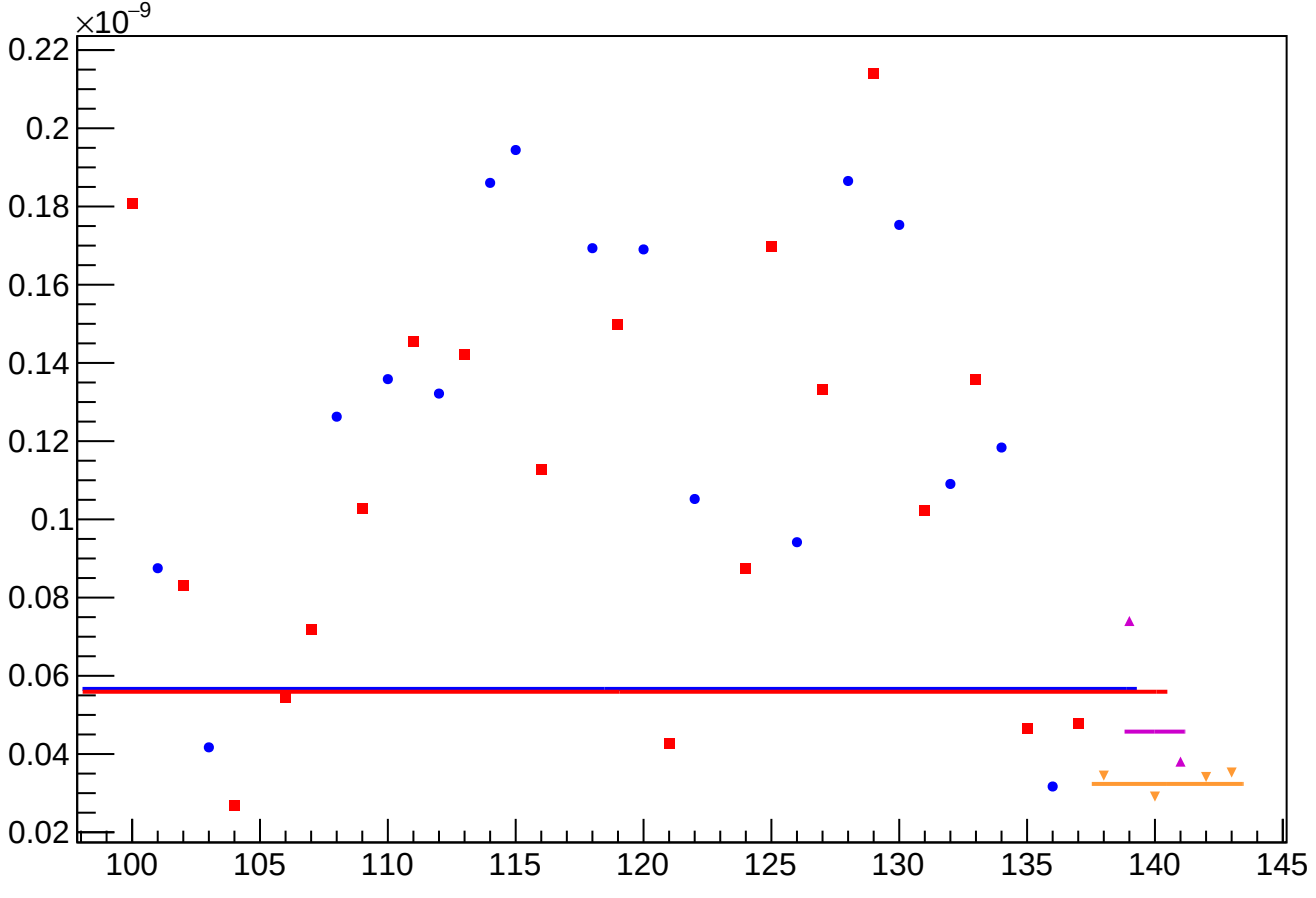
Left: -0.000+/-0.000 χ^2/NDF: 0.5/5

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:33.0/22

All: -0.000+/-0.000 χ^2/NDF: 53.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26059.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:216583.6/1

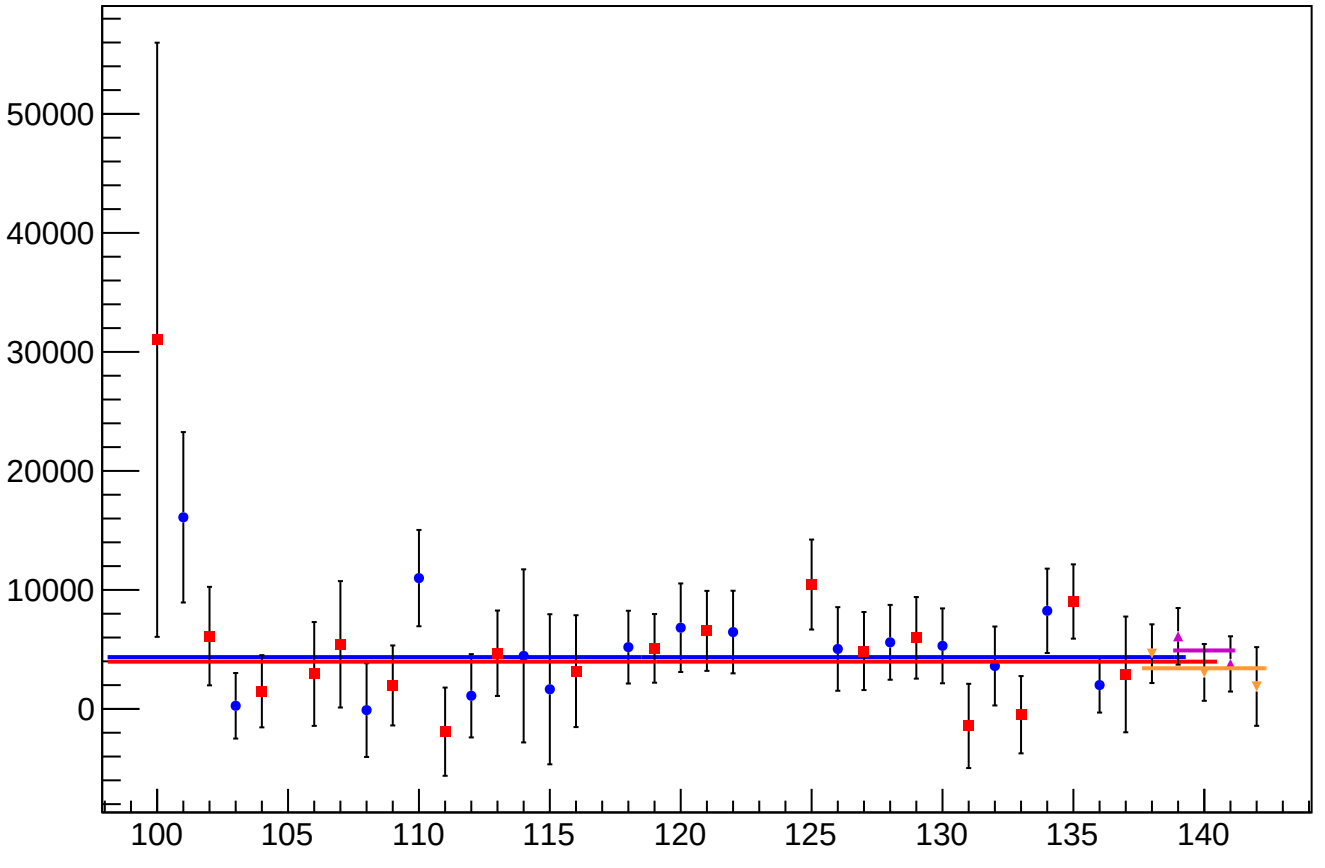
Left: 0.000+/-0.000 χ^2/NDF: 380154.9/5

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:3443616.9/22

All: 0.000+/-0.000 χ^2/NDF: 7118831.1/40



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3417.963+/-1522.613 χ^2/NDF:0.5/2

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4913.579+/-1661.827 χ^2/NDF:0.5/1

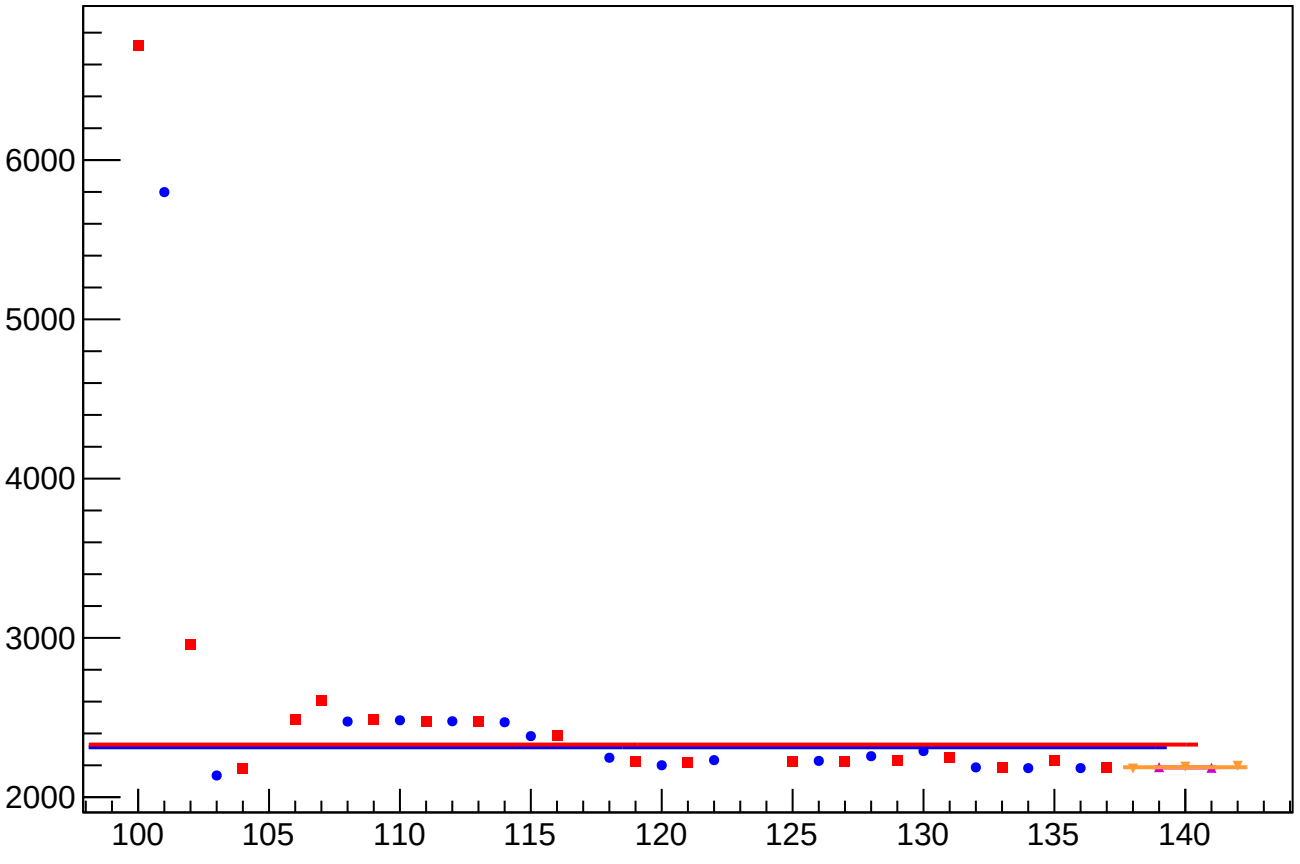
Left: 4100.512+/-1122.645 χ^2/NDF: 1.4/4

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4475.768+/-774.343 χ^2/NDF:13.9/17

Out: 3835.087+/-756.239 χ^2/NDF:16.7/20

All: 4147.851+/-541.029 χ^2/NDF: 31.0/38



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

Left: 2187.281+/-0.794 χ^2/NDF: 46.1/4

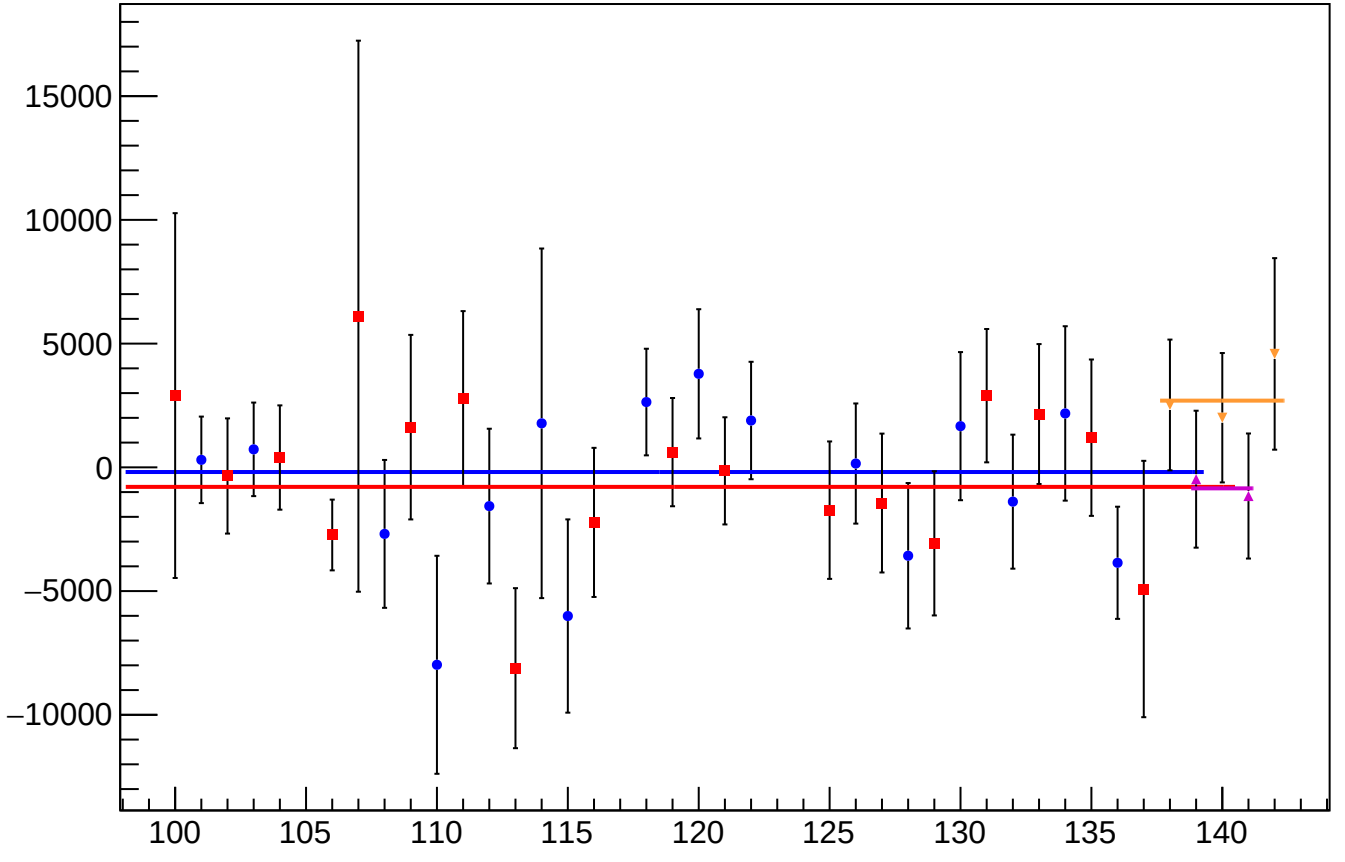
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2285.877+/-0.548 χ^2/NDF:521494.6/17

Out: 2295.089+/-0.535 χ^2/NDF:164419.1/20

All: 2290.592+/-0.383 χ^2/NDF: 686058.5/38

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: 2695.807+/-1674.922 χ^2/NDF:0.3/2

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -849.306+/-1865.800 χ^2/NDF:0.0/1

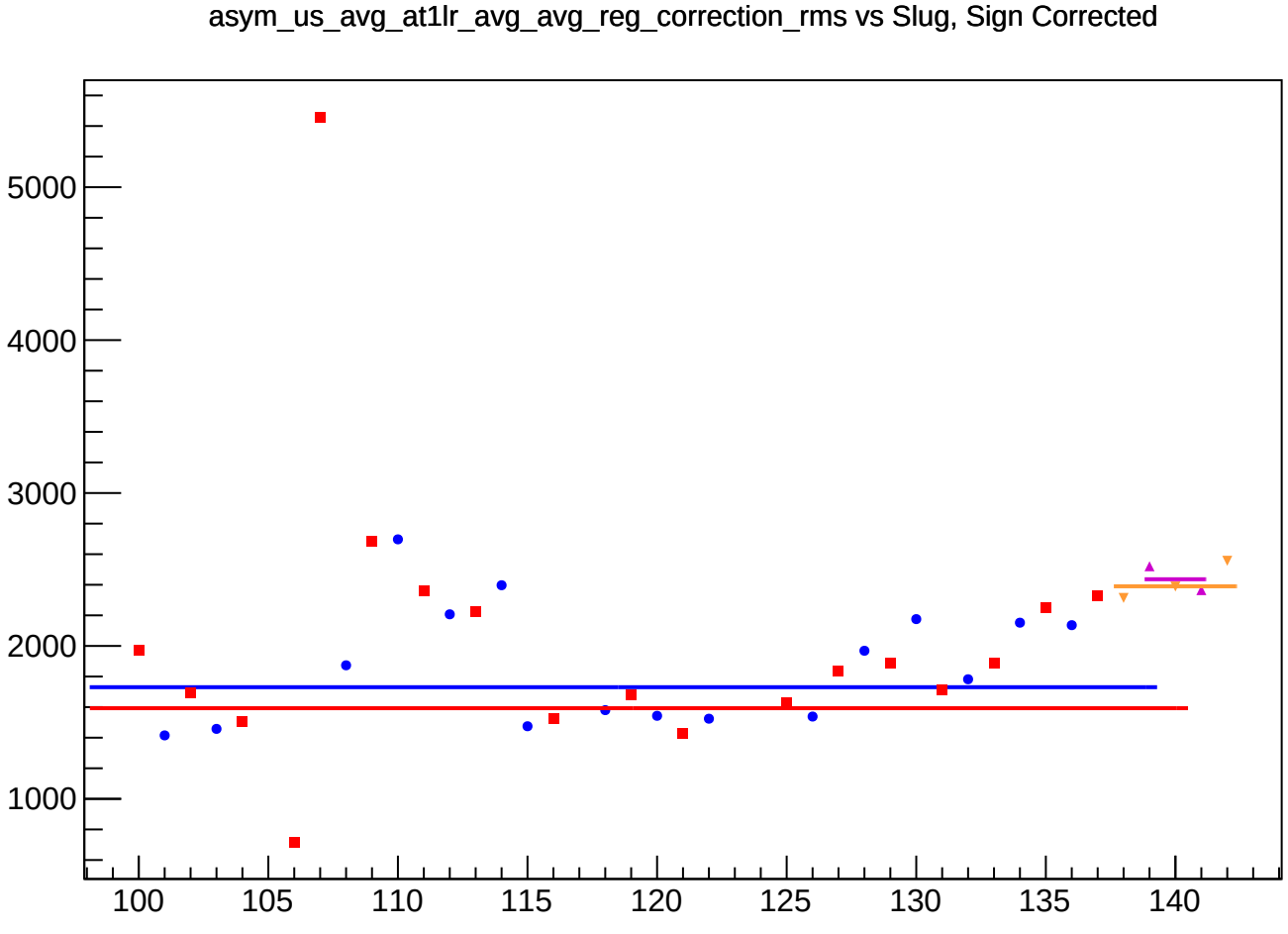
Left: 1113.812+/-1246.386 χ^2/NDF: 2.3/4

Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -261.802+/-620.822 χ^2/NDF:16.6/17

Out: -351.460+/-593.679 χ^2/NDF:19.0/20

All: -308.634+/-429.069 χ^2/NDF: 35.6/38



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 2390.003+/-1.184 χ^2/NDF:5381.6/2

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2436.140+/-1.319 χ^2/NDF:3471.0/1

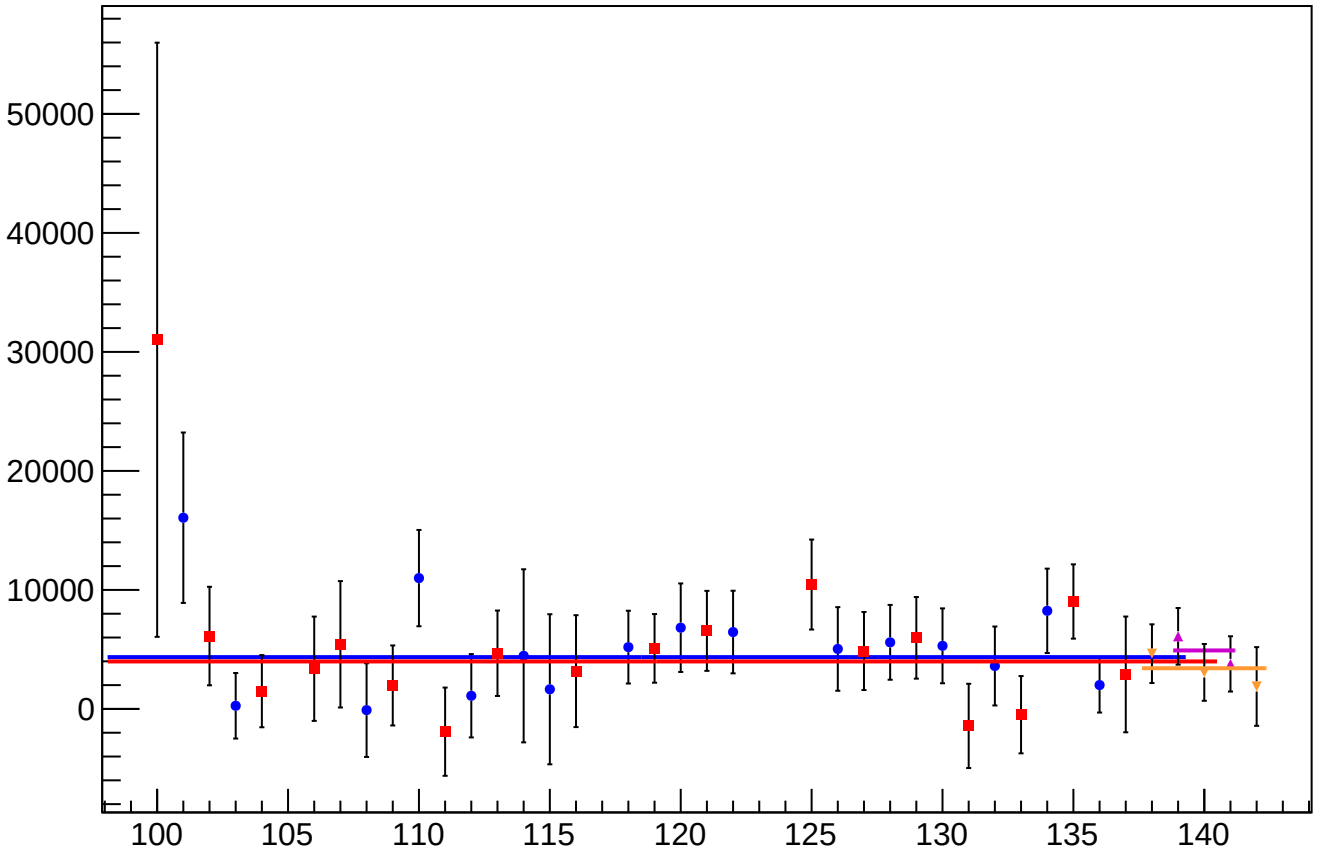
Left: 2410.591+/-0.881 χ^2/NDF: 9529.8/4

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1808.436+/-0.439 χ^2/NDF:736950.6/17

Out: 1692.978+/-0.420 χ^2/NDF:1957722.5/20

All: 1748.128+/-0.303 χ^2/NDF: 2730804.9/38



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3418.006+/-1522.613 χ^2/NDF:0.5/2

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4914.143+/-1661.827 χ^2/NDF:0.5/1

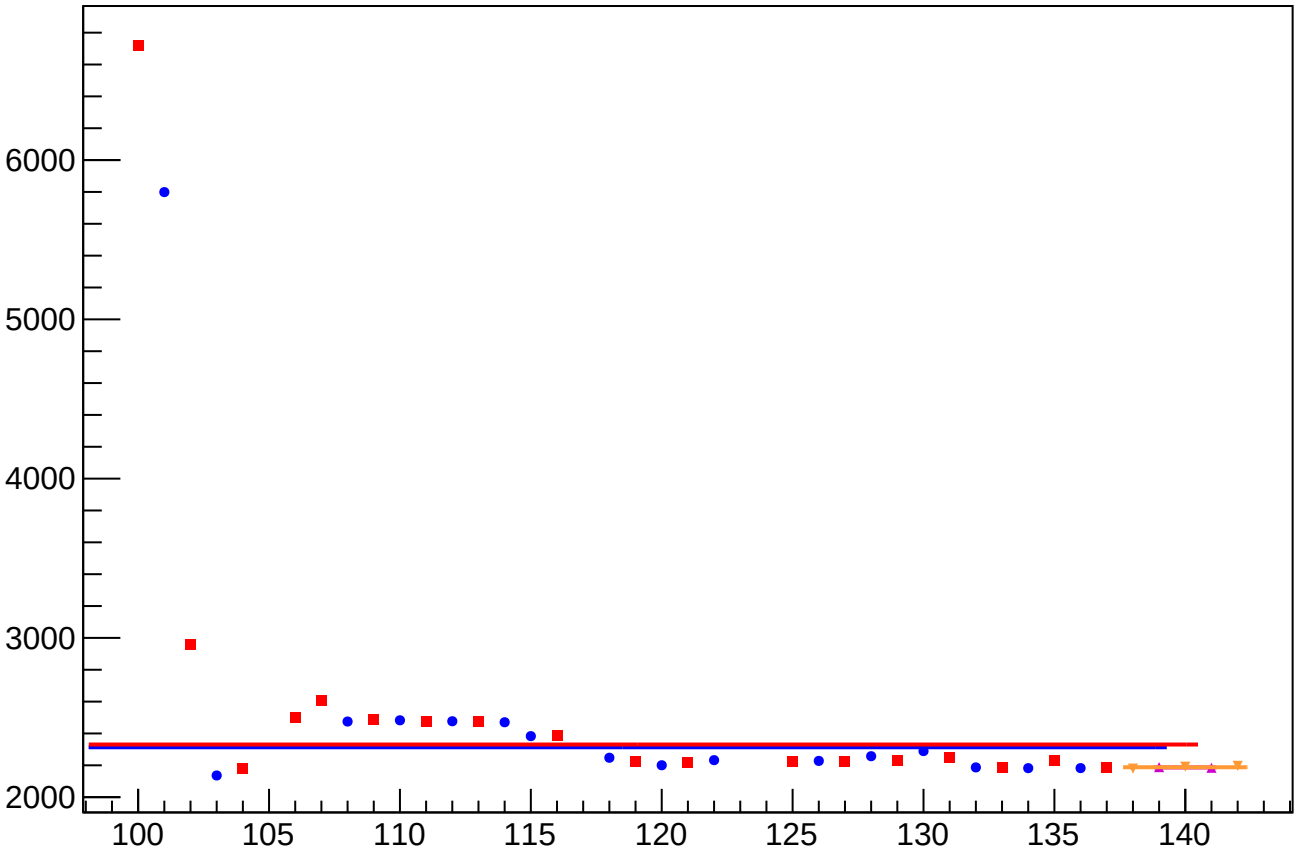
Left: 4100.793+/-1122.645 χ^2/NDF: 1.4/4

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4475.359+/-774.343 χ^2/NDF:13.9/17

Out: 3848.775+/-756.337 χ^2/NDF:16.7/20

All: 4154.697+/-541.065 χ^2/NDF: 31.0/38



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

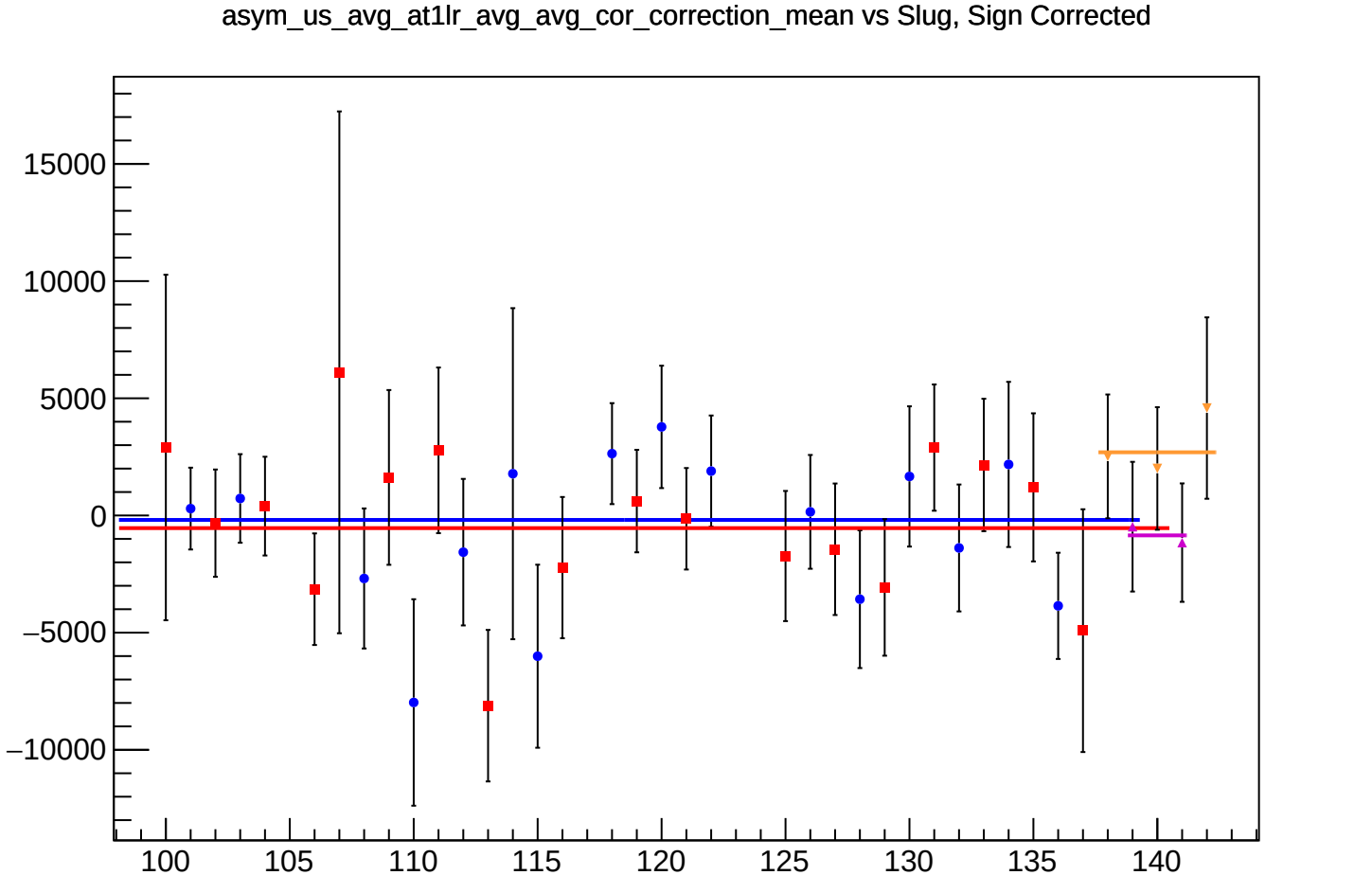
Left: 2187.281+/-0.794 χ^2/NDF: 46.1/4

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

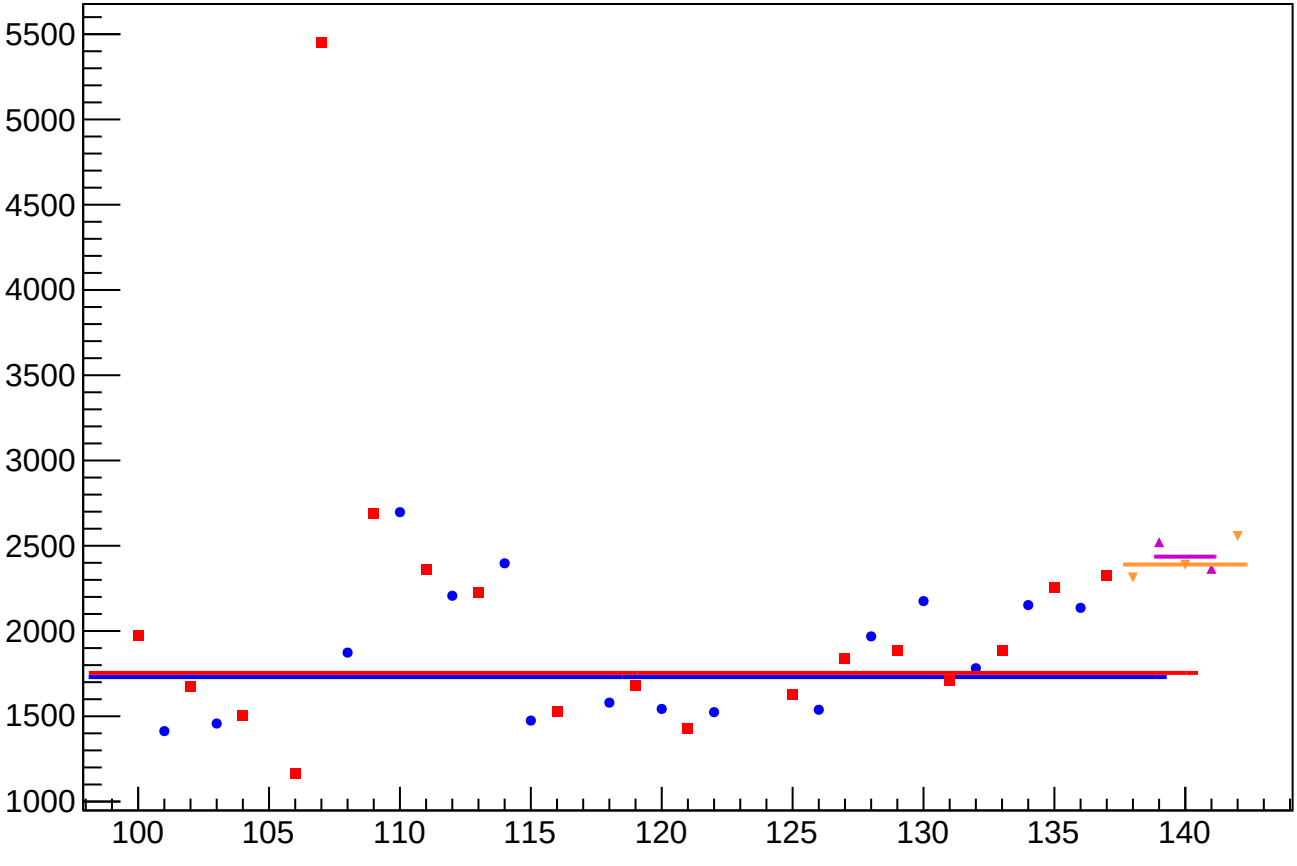
In: 2285.876+/-0.548 χ^2/NDF:521495.0/17

Out: 2295.358+/-0.535 χ^2/NDF:164832.4/20

All: 2290.729+/-0.383 χ^2/NDF: 686480.9/38


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: 2695.810+/-1674.916 χ²/NDF:0.3/2
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -849.383+/-1865.803 χ²/NDF:0.0/1
Left: 1113.788+/-1246.385 χ²/NDF: 2.3/4
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -262.766+/-620.714 χ²/NDF:16.6/17
Out: -83.767+/-628.633 χ²/NDF:17.4/20
All: -174.401+/-441.684 χ²/NDF: 34.0/38

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: 2389.994+/-1.184 χ^2/NDF:5380.2/2

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2436.142+/-1.319 χ^2/NDF:3472.2/1

Left: 2410.587+/-0.881 χ^2/NDF: 9529.9/4

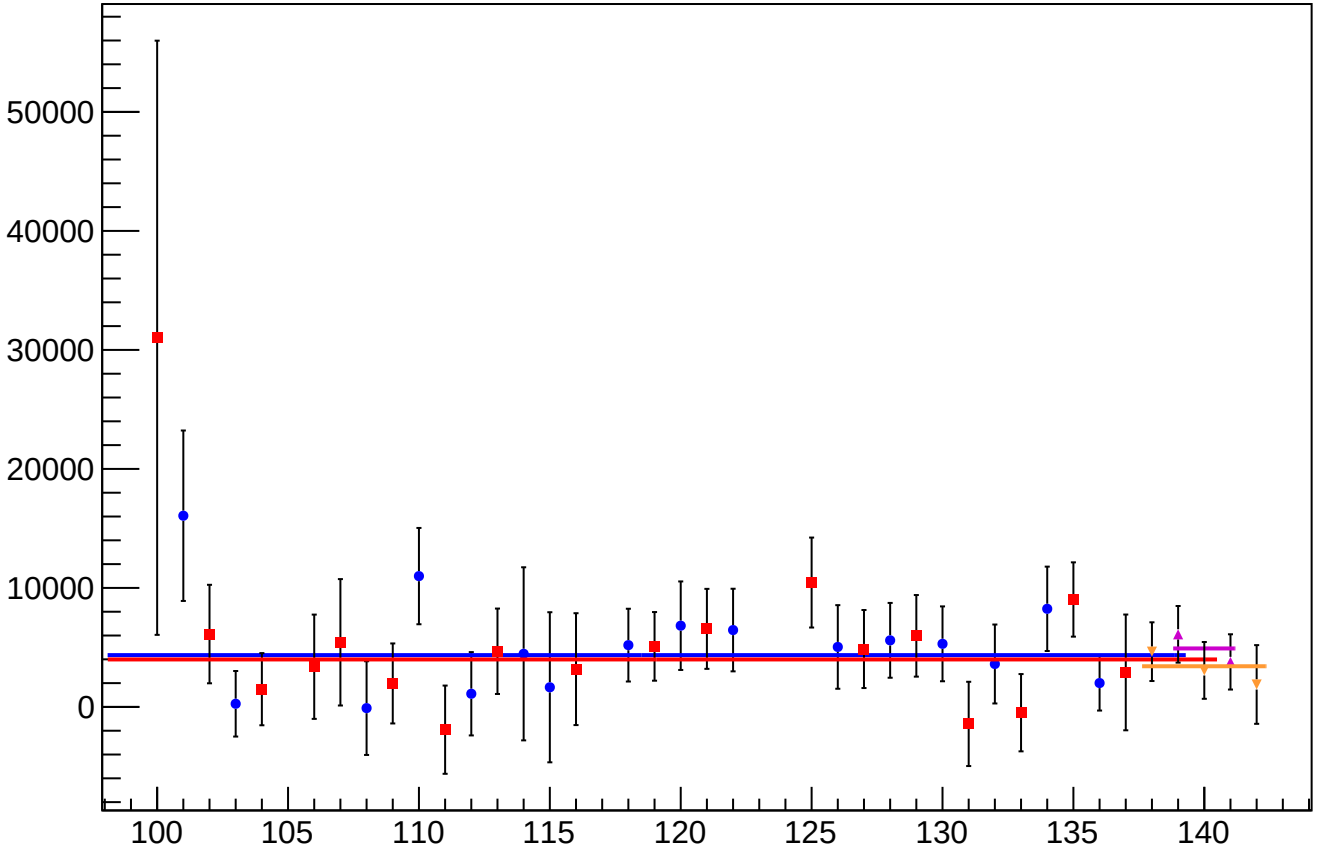
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1808.062+/-0.439 χ^2/NDF:738210.4/17

Out: 1844.043+/-0.445 χ^2/NDF:1003728.2/20

All: 1825.824+/-0.312 χ^2/NDF: 1745256.2/38

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: 3418.006+/-1522.613 χ^2/NDF:0.5/2

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4914.143+/-1661.827 χ^2/NDF:0.5/1

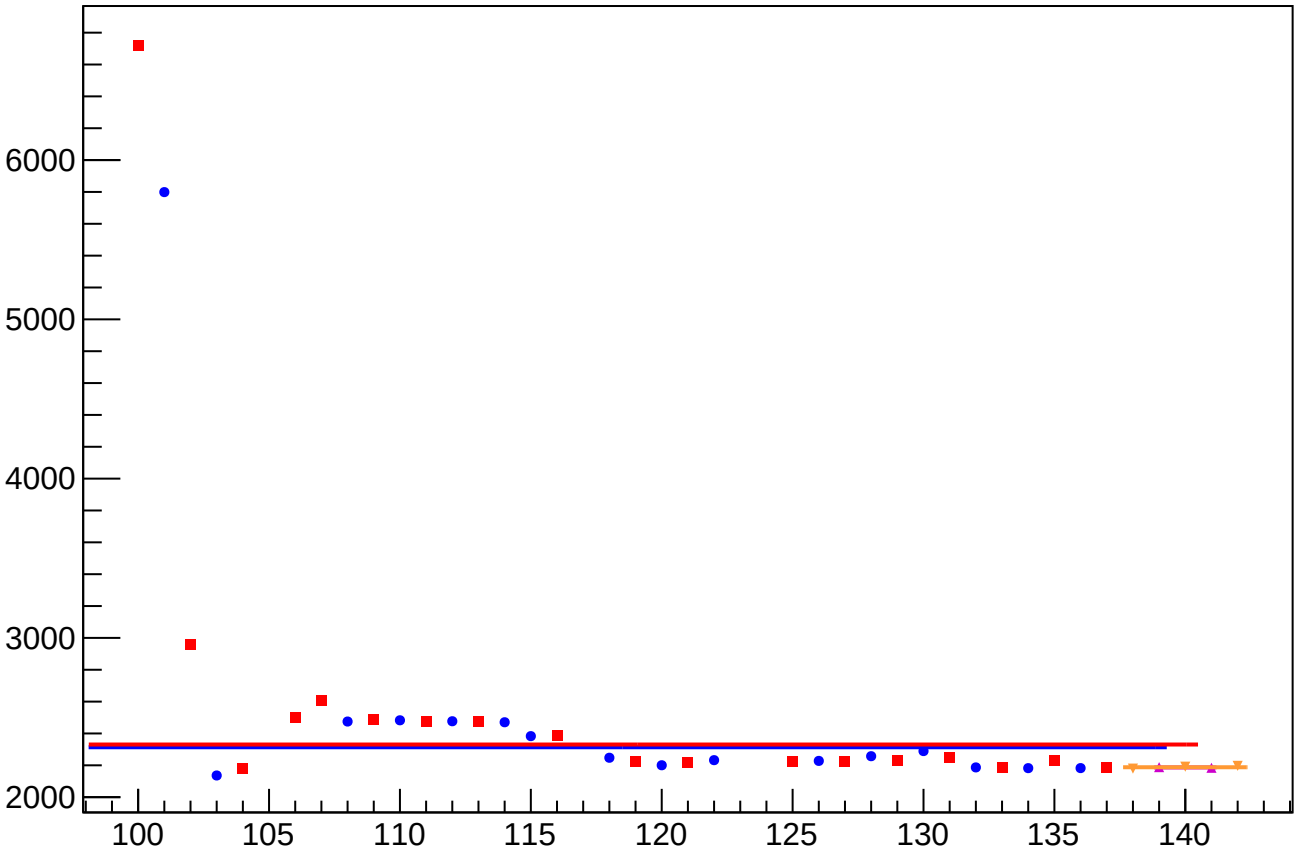
Left: 4100.793+/-1122.645 χ^2/NDF: 1.4/4

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4475.359+/-774.343 χ^2/NDF:13.9/17

Out: 3848.775+/-756.337 χ^2/NDF:16.7/20

All: 4154.697+/-541.065 χ^2/NDF: 31.0/38



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.865+/-1.077 χ^2/NDF:42.5/2

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.585+/-1.175 χ^2/NDF:2.9/1

Left: 2187.281+/-0.794 χ^2/NDF: 46.1/4

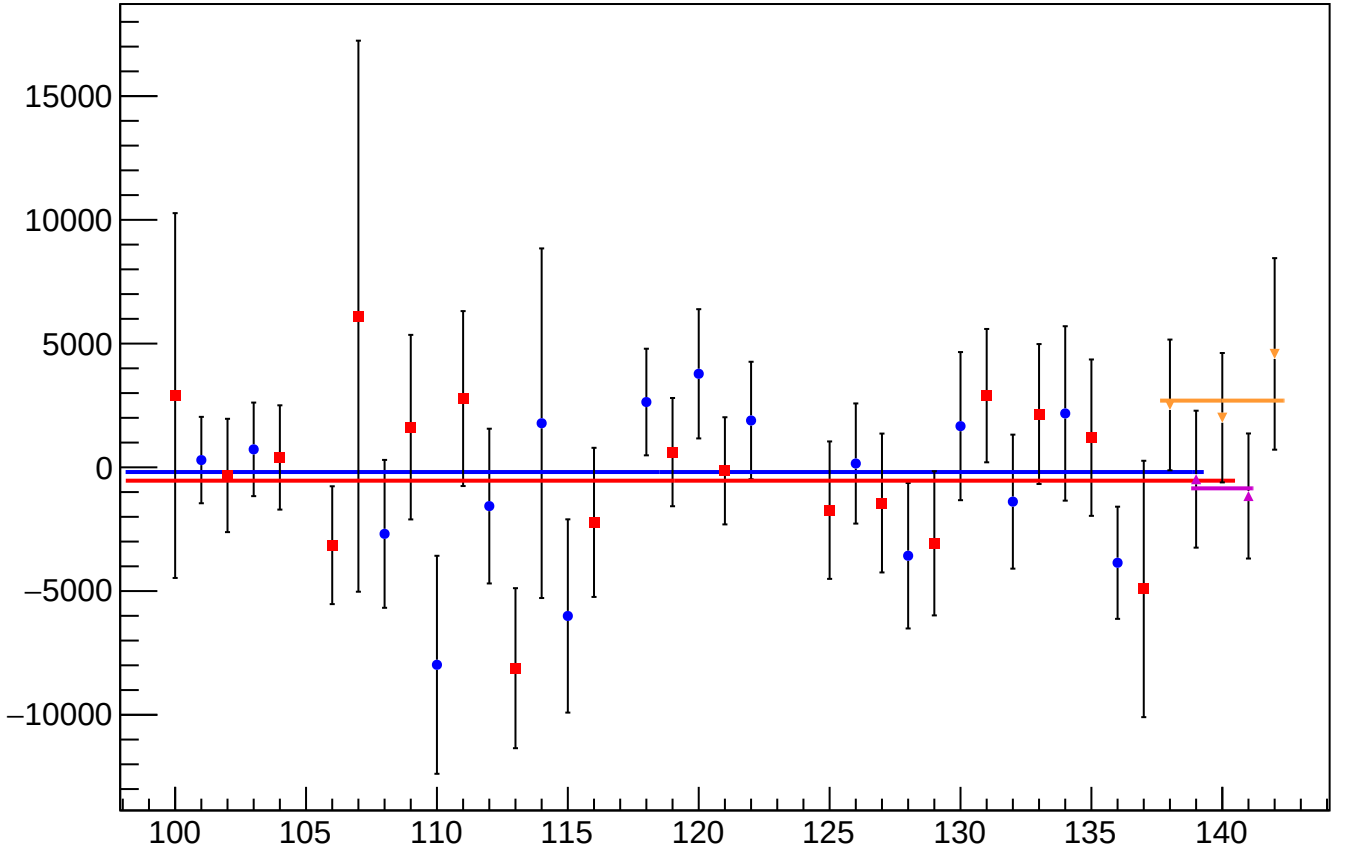
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2285.876+/-0.548 χ^2/NDF:521495.0/17

Out: 2295.358+/-0.535 χ^2/NDF:164832.4/20

All: 2290.729+/-0.383 χ^2/NDF: 686480.9/38

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: 2695.810+/-1674.916 χ^2/NDF:0.3/2

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: 1113.788+/-1246.385 χ^2/NDF: 2.3/4

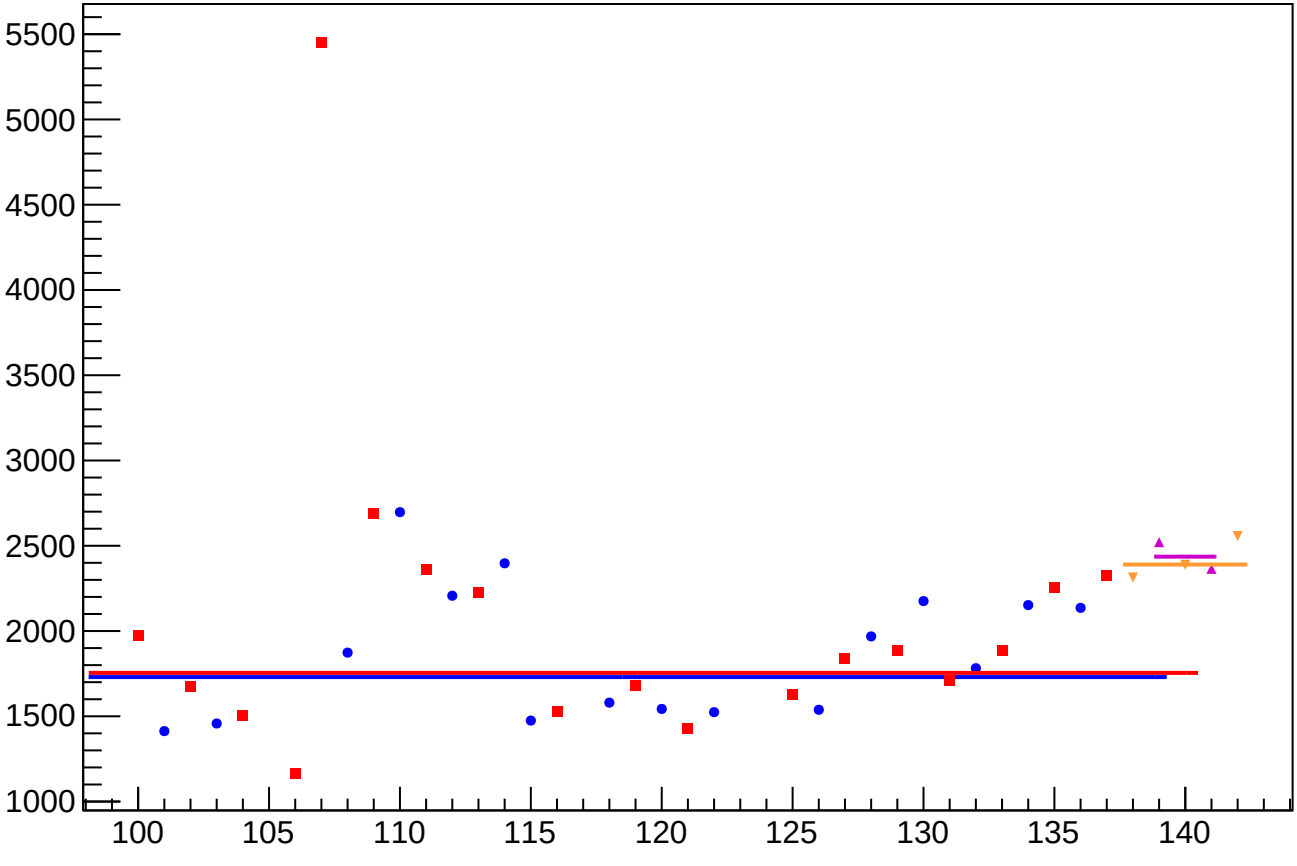
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -262.766+/-620.714 χ^2/NDF:16.6/17

Out: -83.767+/-628.633 χ^2/NDF:17.4/20

All: -174.401+/-441.684 χ^2/NDF: 34.0/38

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: 2389.994+/-1.184 χ^2/NDF:5380.2/2

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2436.142+/-1.319 χ^2/NDF:3472.2/1

Left: 2410.587+/-0.881 χ^2/NDF: 9529.9/4

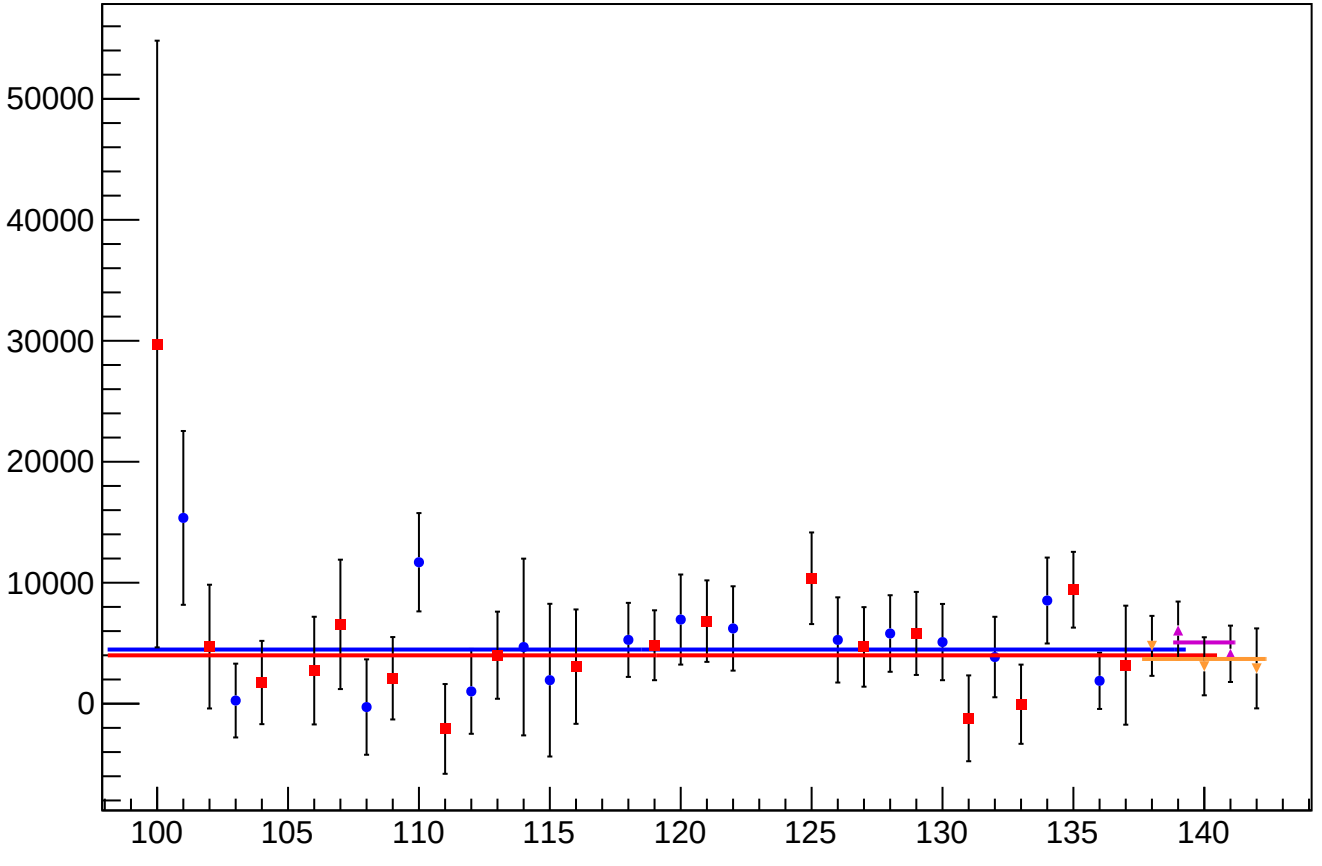
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1808.062+/-0.439 χ^2/NDF:738210.4/17

Out: 1844.043+/-0.445 χ^2/NDF:1003728.2/20

All: 1825.824+/-0.312 χ^2/NDF: 1745256.2/38

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: 3696.761+/-1528.781 χ^2/NDF:0.3/2

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 5062.663+/-1668.505 χ^2/NDF:0.3/1

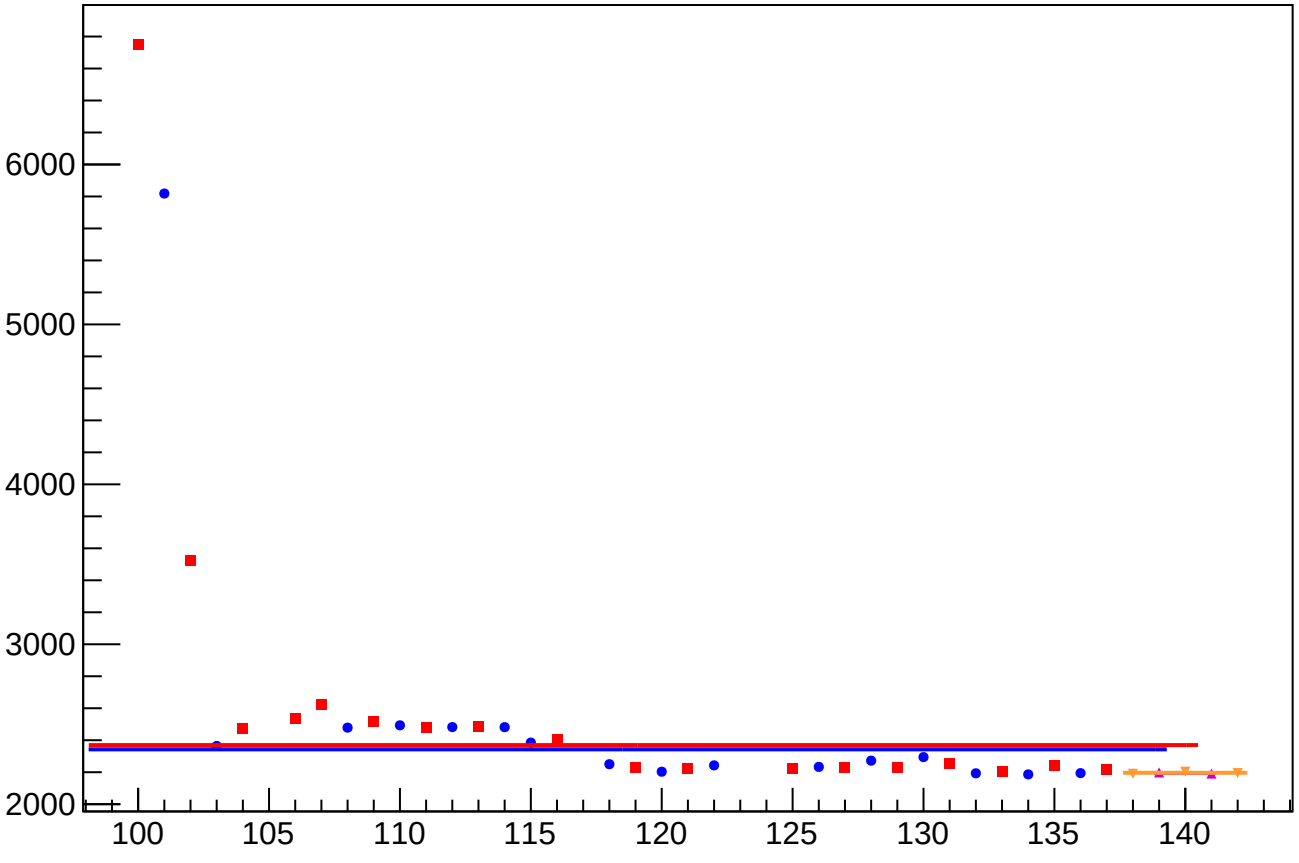
Left: 4320.135+/-1127.177 χ^2/NDF: 1.0/4

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4605.395+/-782.577 χ^2/NDF:14.0/17

Out: 3920.054+/-769.439 χ^2/NDF:15.8/20

All: 4256.924+/-548.662 χ^2/NDF: 30.2/38



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.327+/-1.081 χ^2/NDF:29.7/2

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2194.994+/-1.180 χ^2/NDF:9.6/1

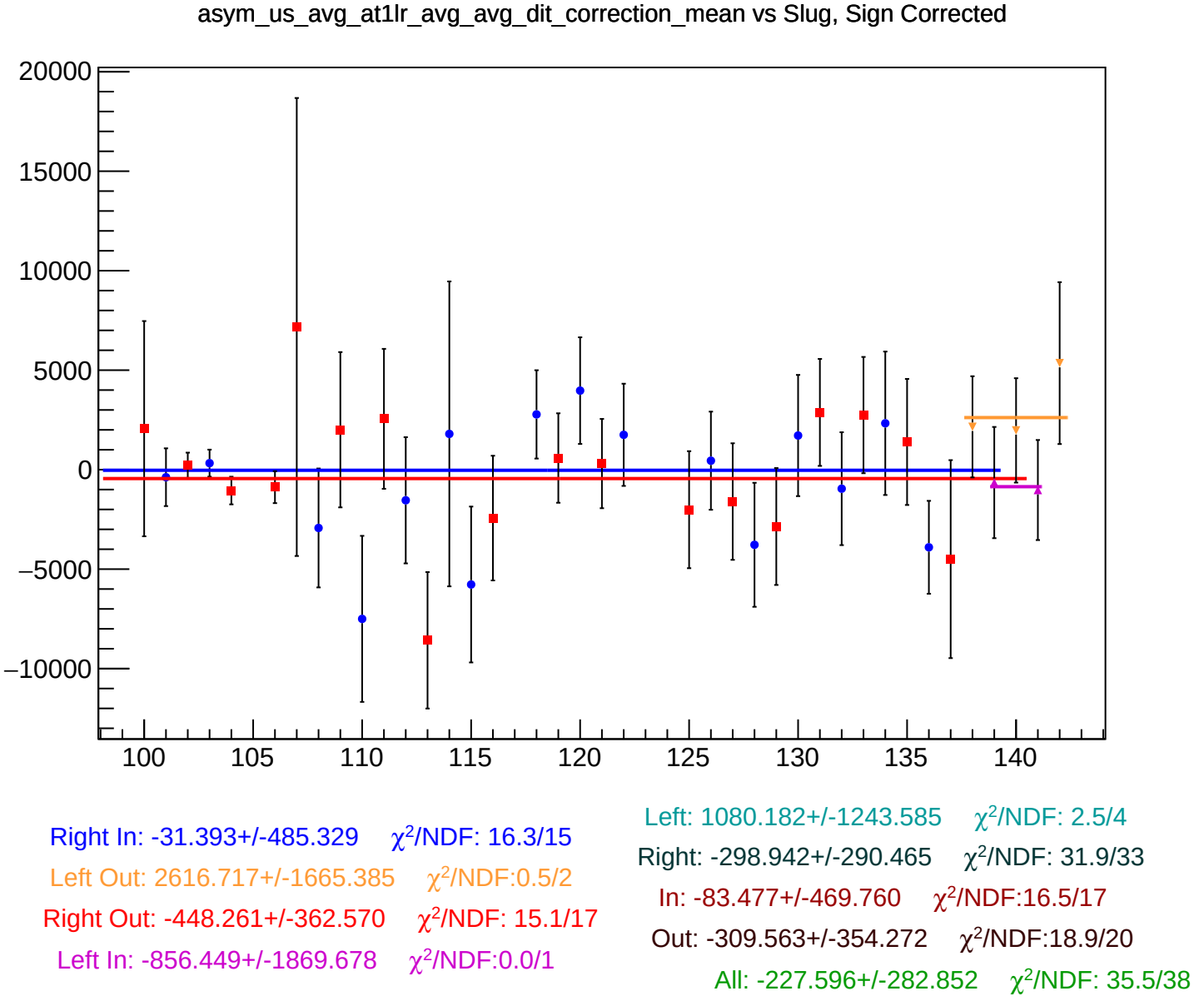
Left: 2195.719+/-0.797 χ^2/NDF: 40.0/4

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

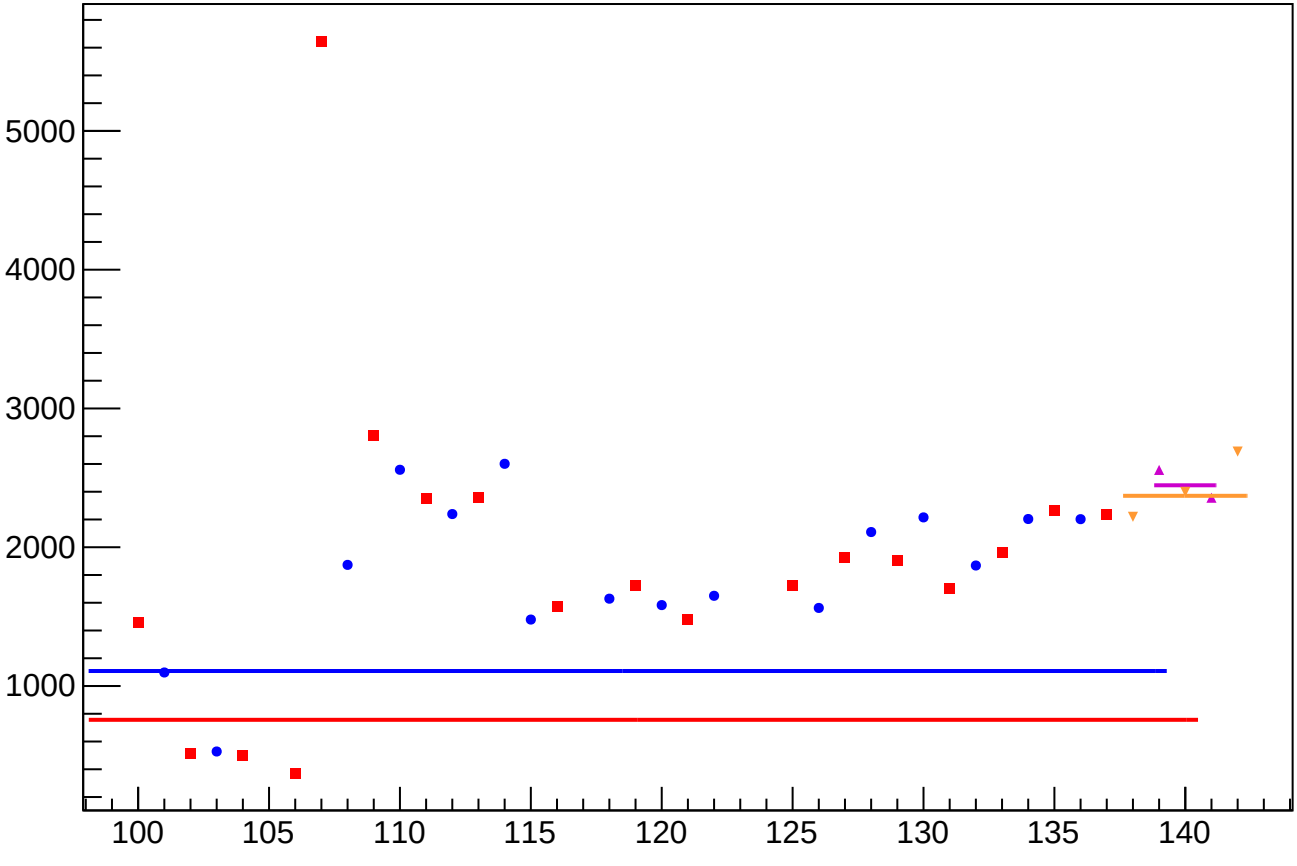
In: 2310.373+/-0.553 χ^2/NDF:515137.0/17

Out: 2325.687+/-0.544 χ^2/NDF:229355.1/20

All: 2318.160+/-0.388 χ^2/NDF: 744881.5/38


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: 2616.717+/-1665.385 χ²/NDF:0.5/2
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: -856.449+/-1869.678 χ²/NDF:0.0/1
Left: 1080.182+/-1243.585 χ²/NDF: 2.5/4
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: -83.477+/-469.760 χ²/NDF:16.5/17
Out: -309.563+/-354.272 χ²/NDF:18.9/20
All: -227.596+/-282.852 χ²/NDF: 35.5/38

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: 2370.622+/-1.178 χ^2/NDF:19595.7/2

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2446.479+/-1.322 χ^2/NDF:5679.4/1

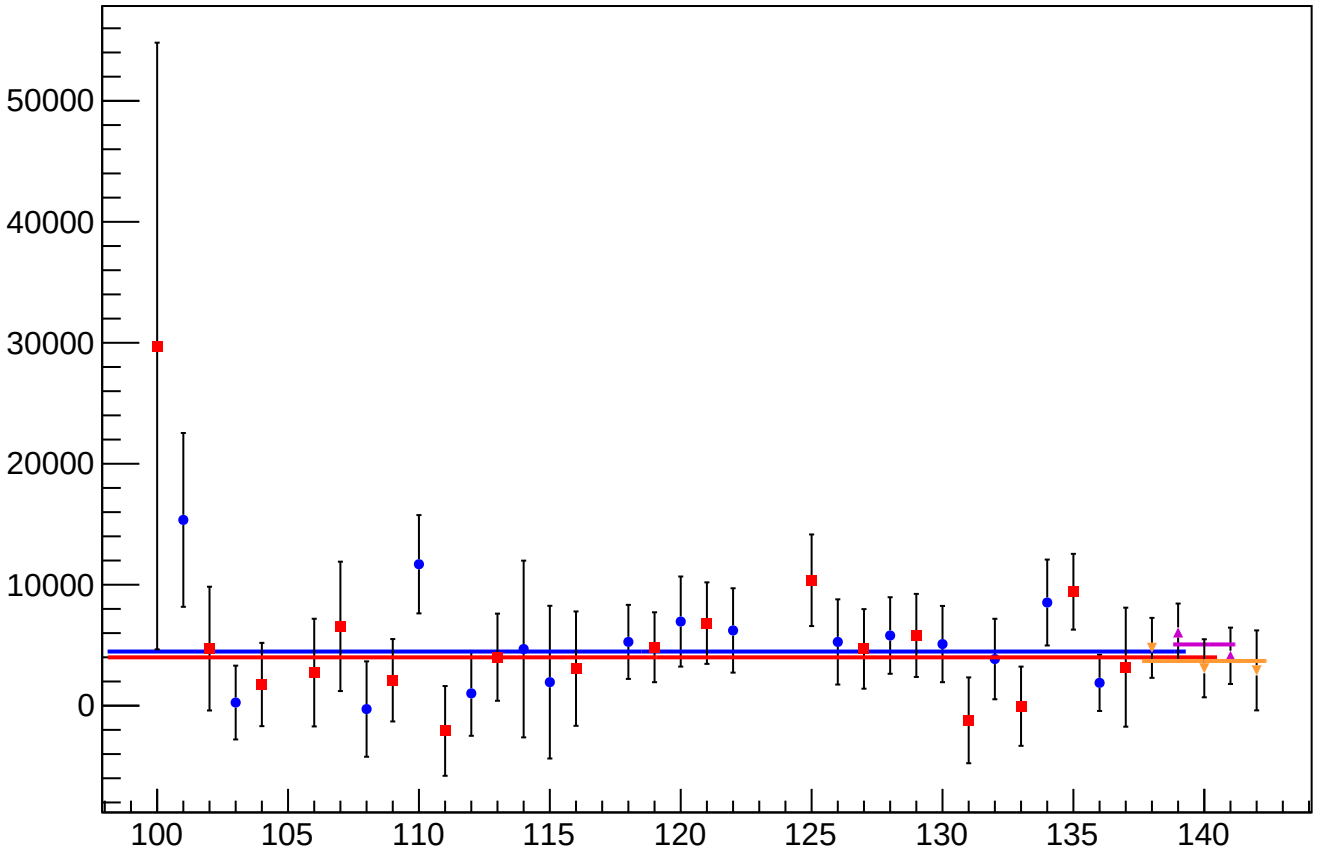
Left: 2404.181+/-0.879 χ^2/NDF: 27110.8/4

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1192.625+/-0.332 χ^2/NDF:4712241.1/17

Out: 829.466+/-0.251 χ^2/NDF:7416742.1/20

All: 961.129+/-0.200 χ^2/NDF: 12890920.3/38



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3696.766+/-1528.781 χ^2/NDF:0.3/2

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 5062.660+/-1668.505 χ^2/NDF:0.3/1

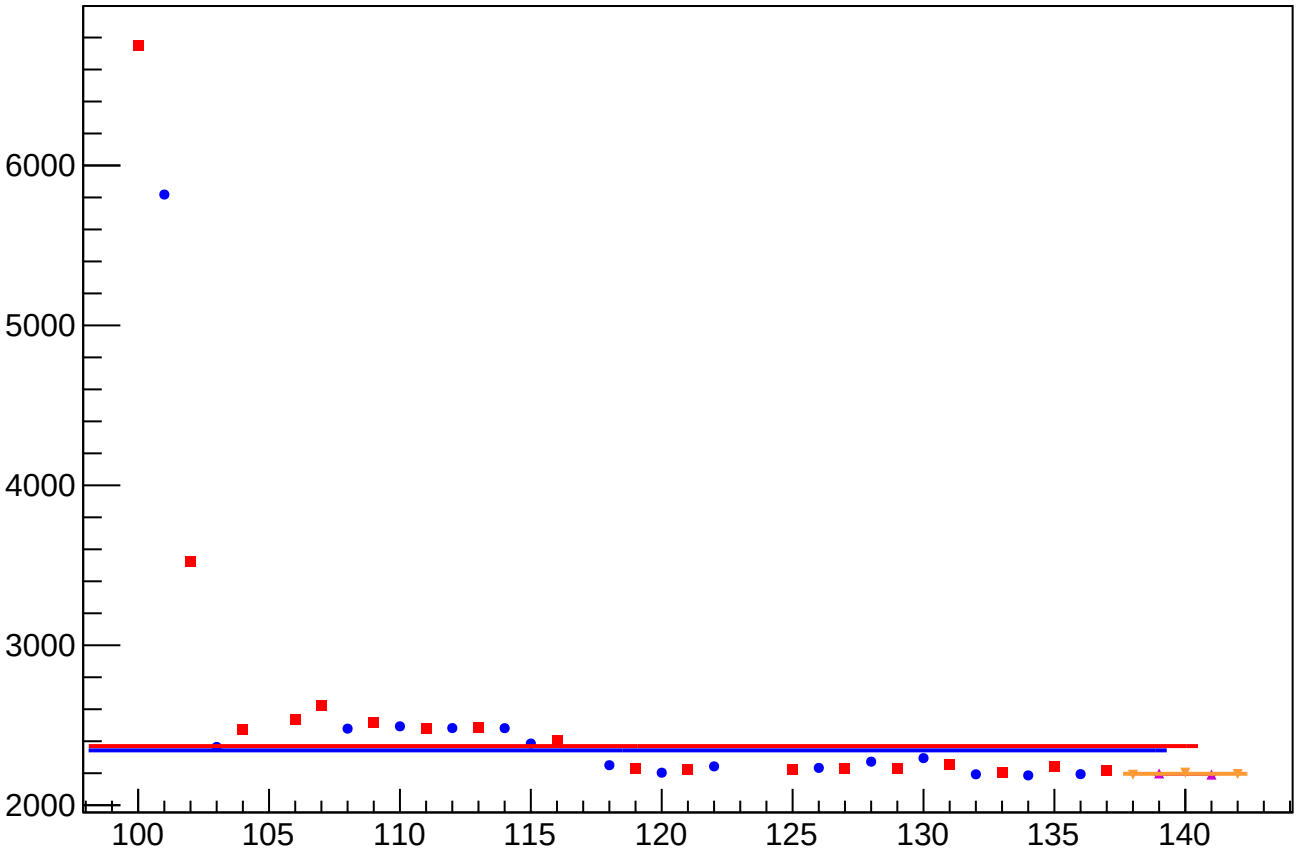
Left: 4320.136+/-1127.177 χ^2/NDF: 1.0/4

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4605.391+/-782.577 χ^2/NDF:14.0/17

Out: 3920.053+/-769.439 χ^2/NDF:15.8/20

All: 4256.921+/-548.661 χ^2/NDF: 30.2/38



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2196.327+/-1.081 χ^2/NDF:29.7/2

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: 2195.719+/-0.797 χ^2/NDF: 40.0/4

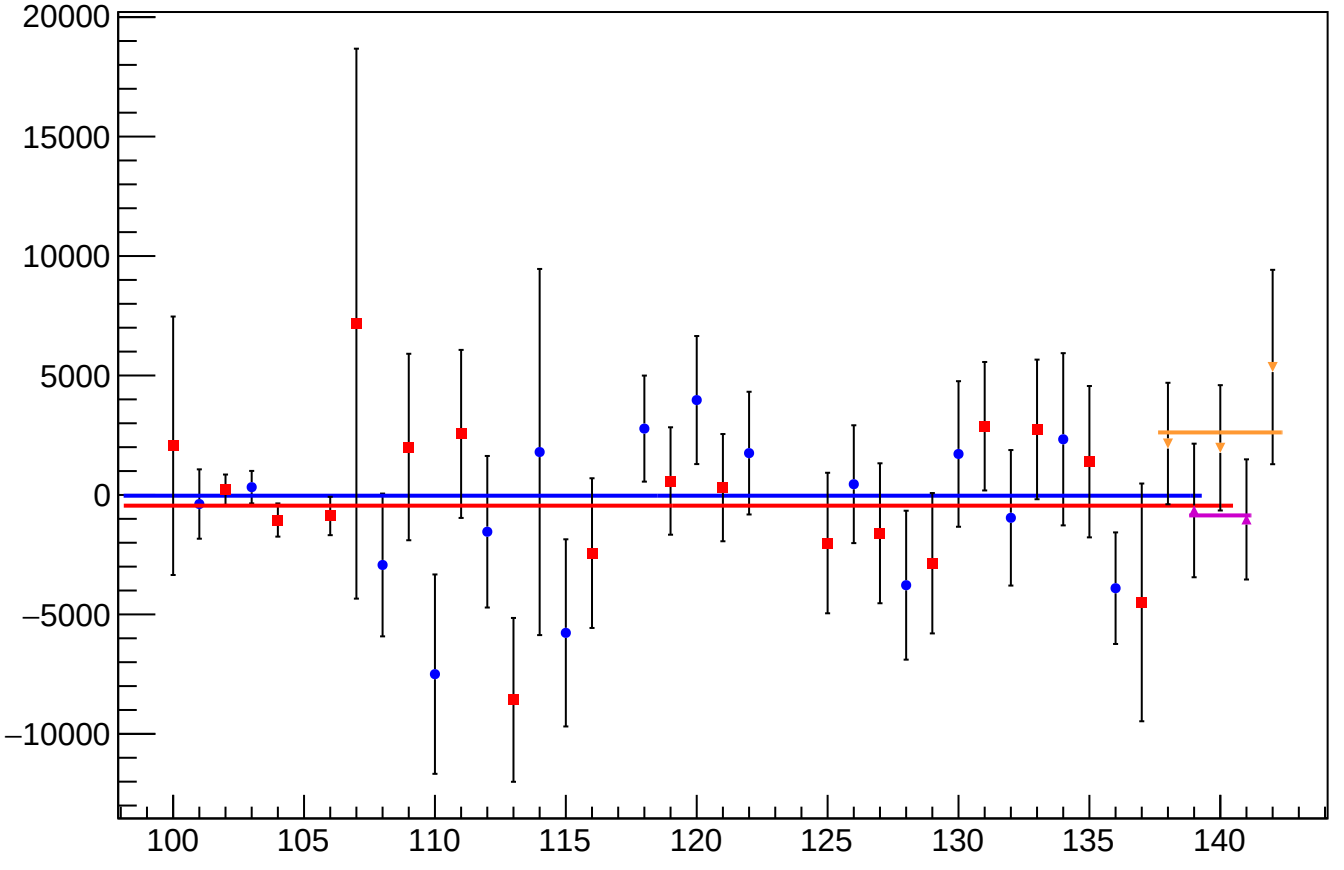
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2310.373+/-0.553 χ^2/NDF:515137.0/17

Out: 2325.687+/-0.544 χ^2/NDF:229353.9/20

All: 2318.160+/-0.388 χ^2/NDF: 744880.3/38

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: 2616.724+/-1665.388 χ^2/NDF:0.5/2

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -856.453+/-1869.681 χ^2/NDF:0.0/1

Left: 1080.184+/-1243.587 χ^2/NDF: 2.5/4

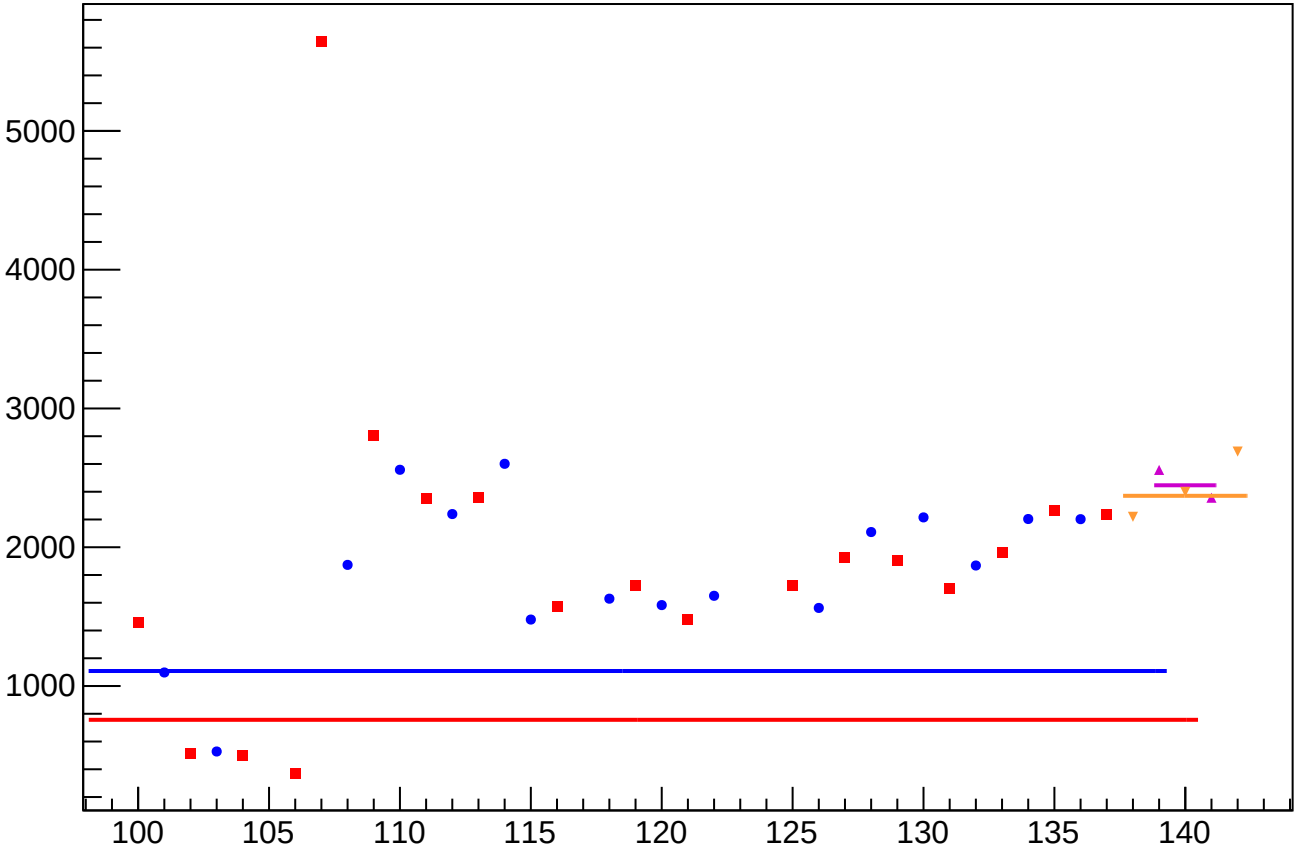
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -83.484+/-469.763 χ^2/NDF:16.5/17

Out: -309.563+/-354.276 χ^2/NDF:18.9/20

All: -227.597+/-282.855 χ^2/NDF: 35.5/38

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: 2370.626+/-1.178 χ^2/NDF:19595.8/2

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2446.483+/-1.322 χ^2/NDF:5679.4/1

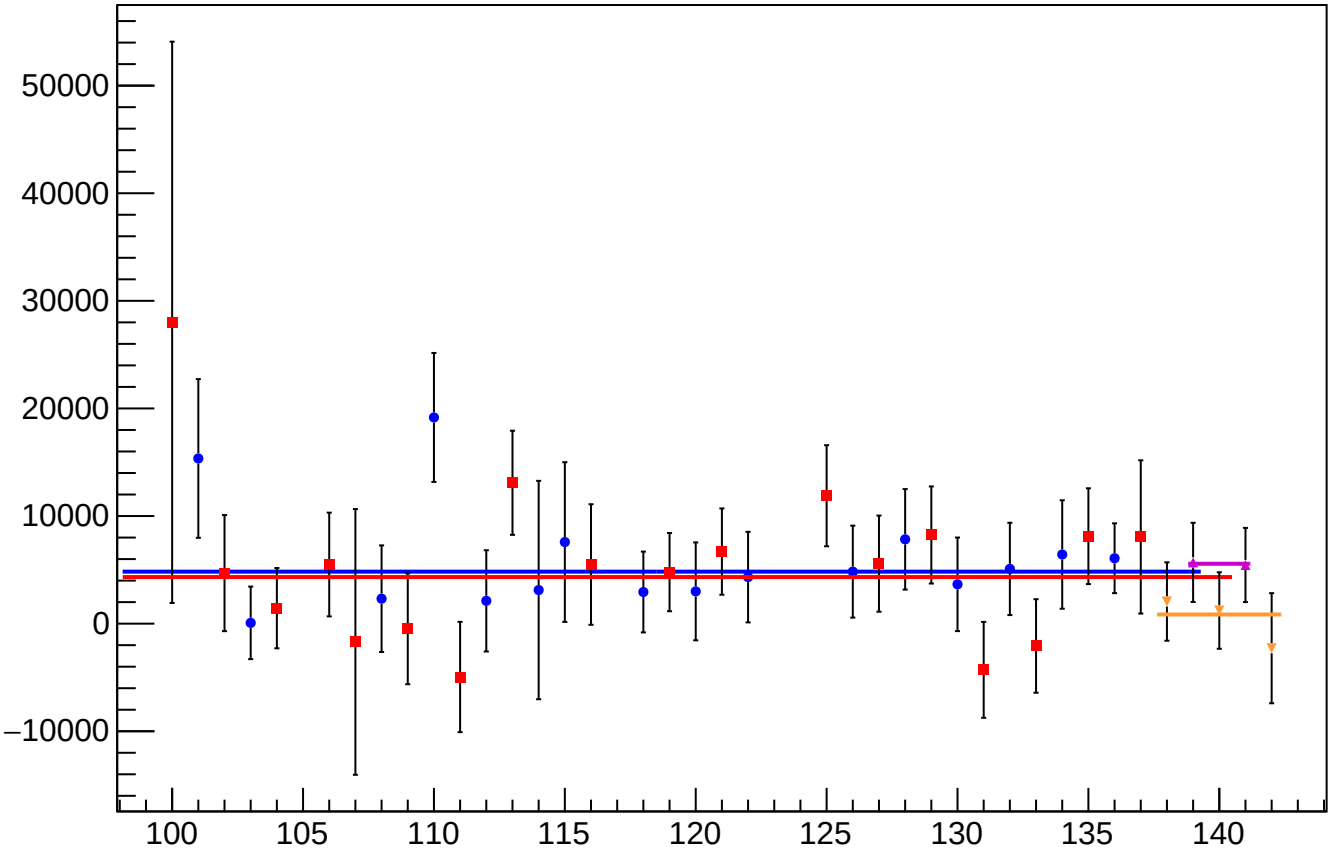
Left: 2404.185+/-0.879 χ^2/NDF: 27110.9/4

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1192.635+/-0.332 χ^2/NDF:4712154.0/17

Out: 829.482+/-0.251 χ^2/NDF:7416591.3/20

All: 961.144+/-0.200 χ^2/NDF: 12890645.0/38



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 852.294+/-2278.214 χ^2/NDF:0.5/2

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 5565.460+/-2515.337 χ^2/NDF:0.0/1

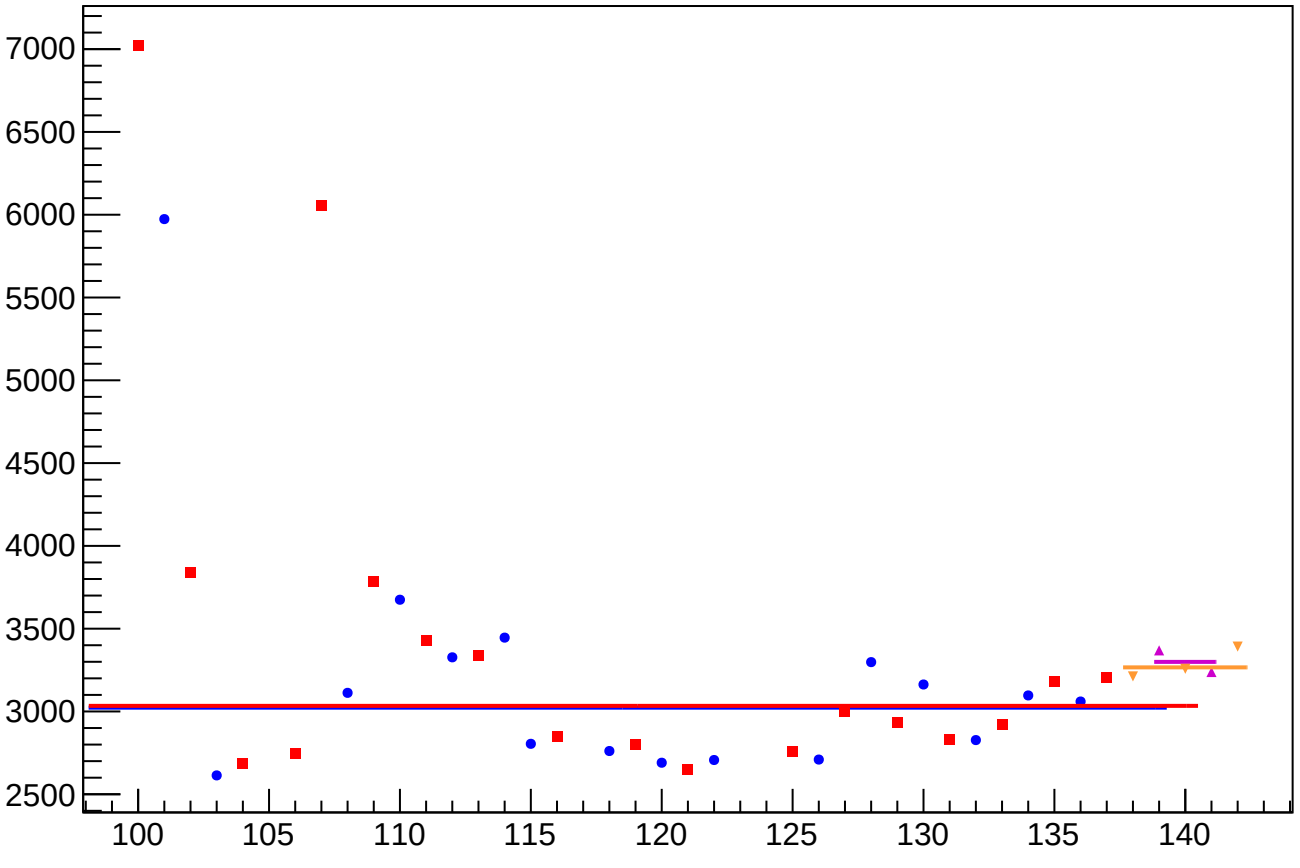
Left: 2976.299+/-1688.564 χ^2/NDF: 2.4/4

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4958.944+/-1040.250 χ^2/NDF:11.7/17

Out: 3628.030+/-1022.731 χ^2/NDF:22.3/20

All: 4282.186+/-729.295 χ^2/NDF: 34.8/38



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3266.281+/-1.611 χ^2/NDF:1663.1/2

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3299.420+/-1.779 χ^2/NDF:1344.2/1

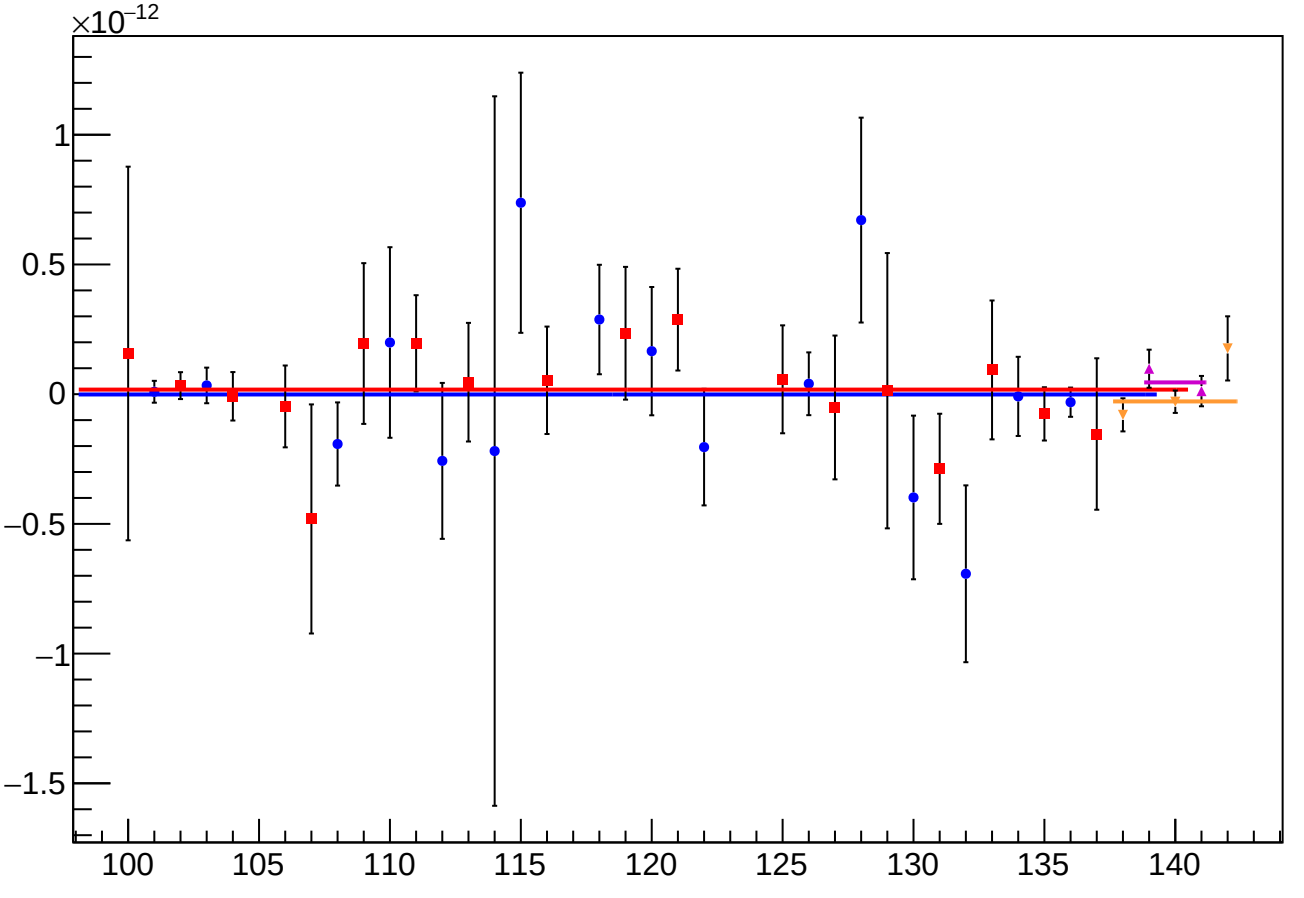
Left: 3281.216+/-1.194 χ^2/NDF: 3198.0/4

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3070.334+/-0.736 χ^2/NDF:465062.4/17

Out: 3080.706+/-0.723 χ^2/NDF:360957.4/20

All: 3075.608+/-0.516 χ^2/NDF: 826120.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.8/1

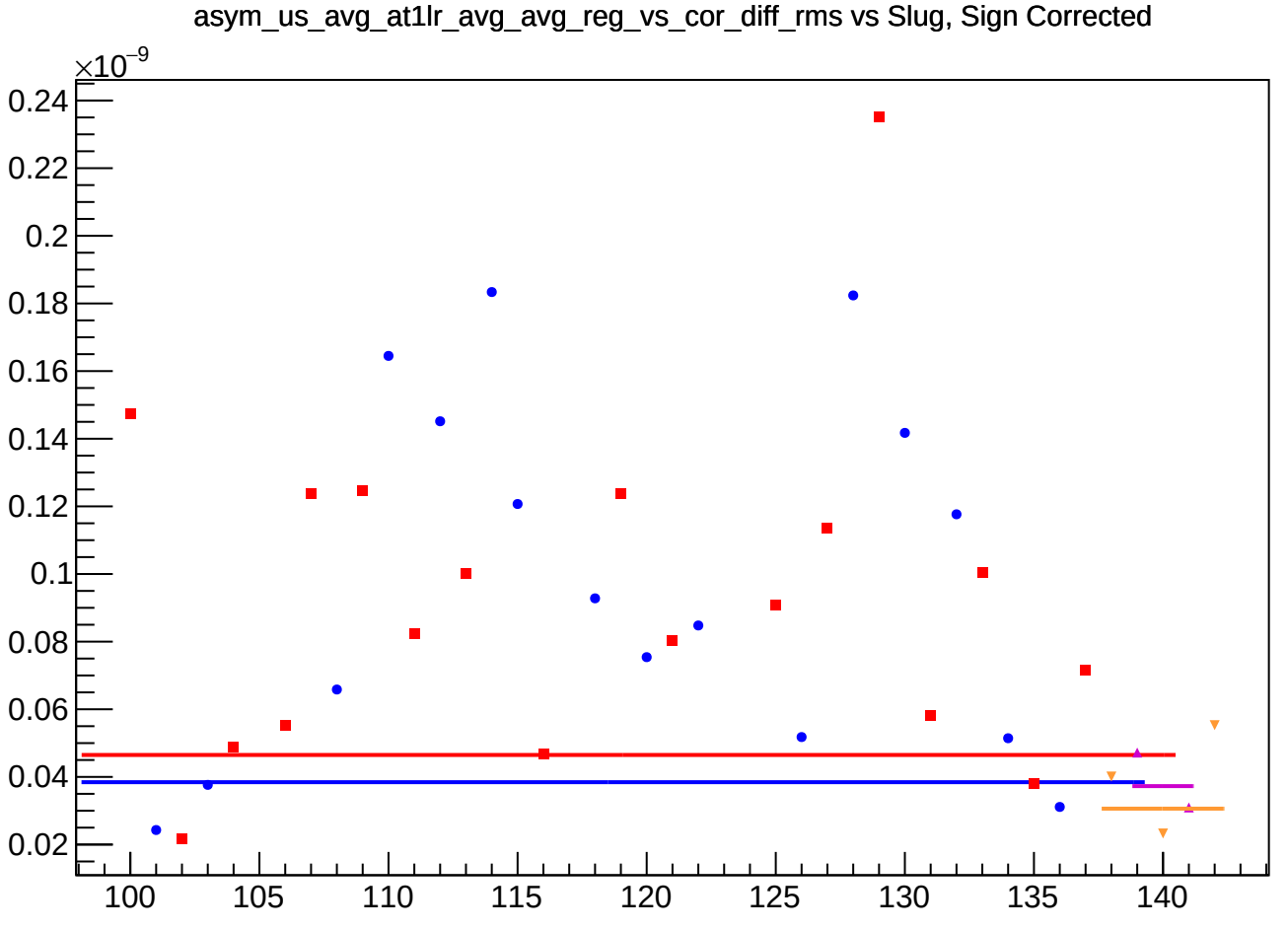
Left: -0.000+/-0.000 χ^2/NDF: 5.9/4

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:13.2/20

All: 0.000+/-0.000 χ^2/NDF: 32.2/38



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:181912.1/2

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: 268855.1/4

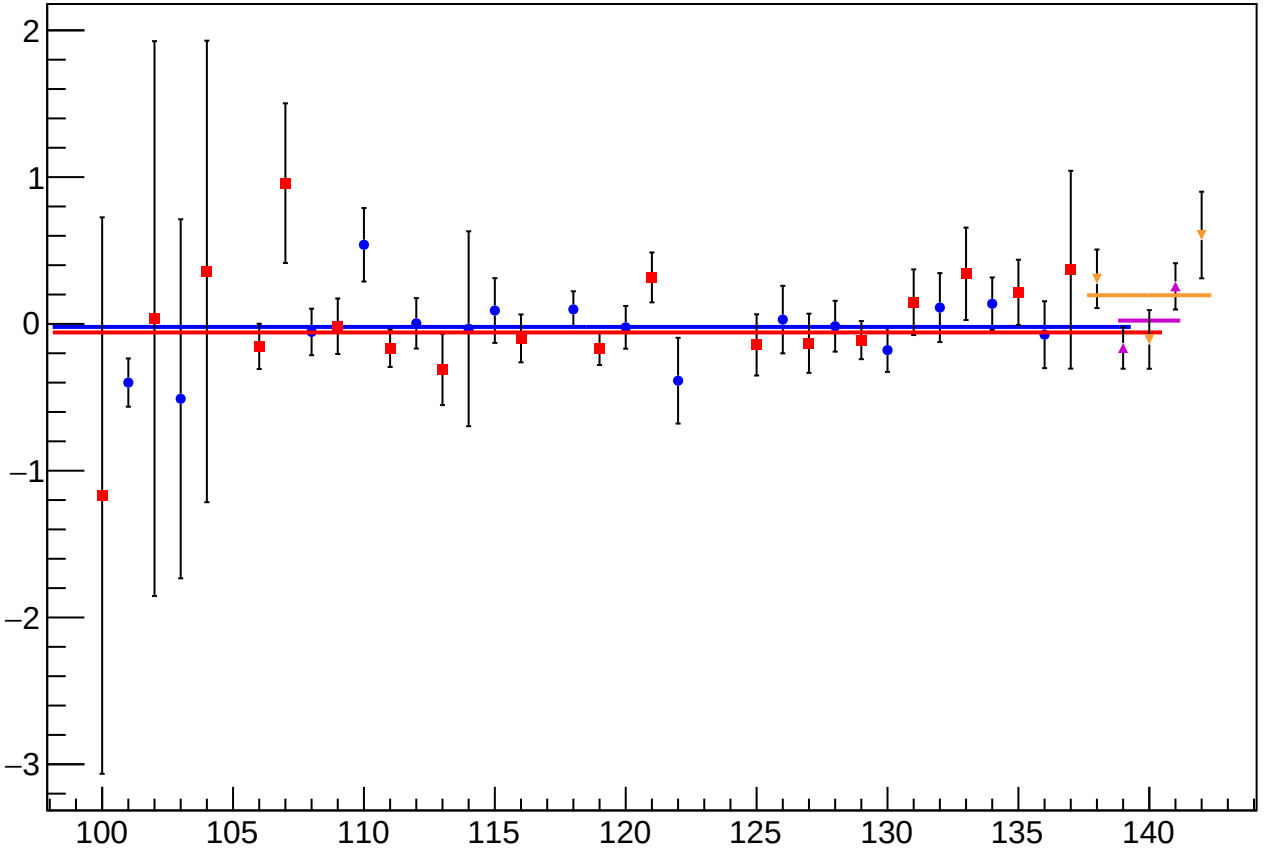
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:1832183.1/17

Out: 0.000+/-0.000 χ^2/NDF:2091707.7/20

All: 0.000+/-0.000 χ^2/NDF: 3924138.4/38

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: 0.195+/-0.127 χ^2/NDF:4.5/2

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: 0.093+/-0.081 χ^2/NDF: 9.5/4

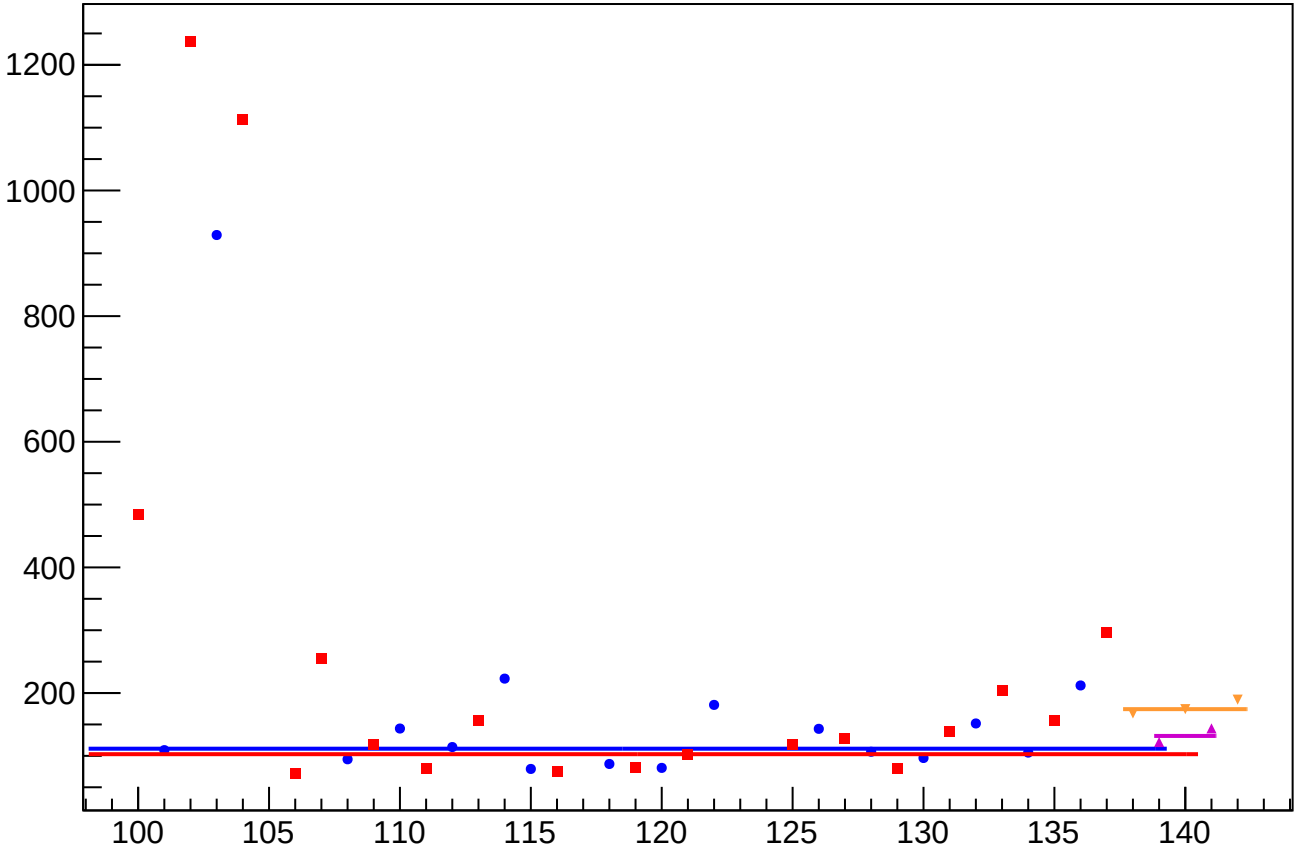
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.021+/-0.031 χ^2/NDF: 44.6/38

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: 174.378+/-0.090 χ^2/NDF:7643.0/2

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: 149.027+/-0.057 χ^2/NDF: 162187.2/4

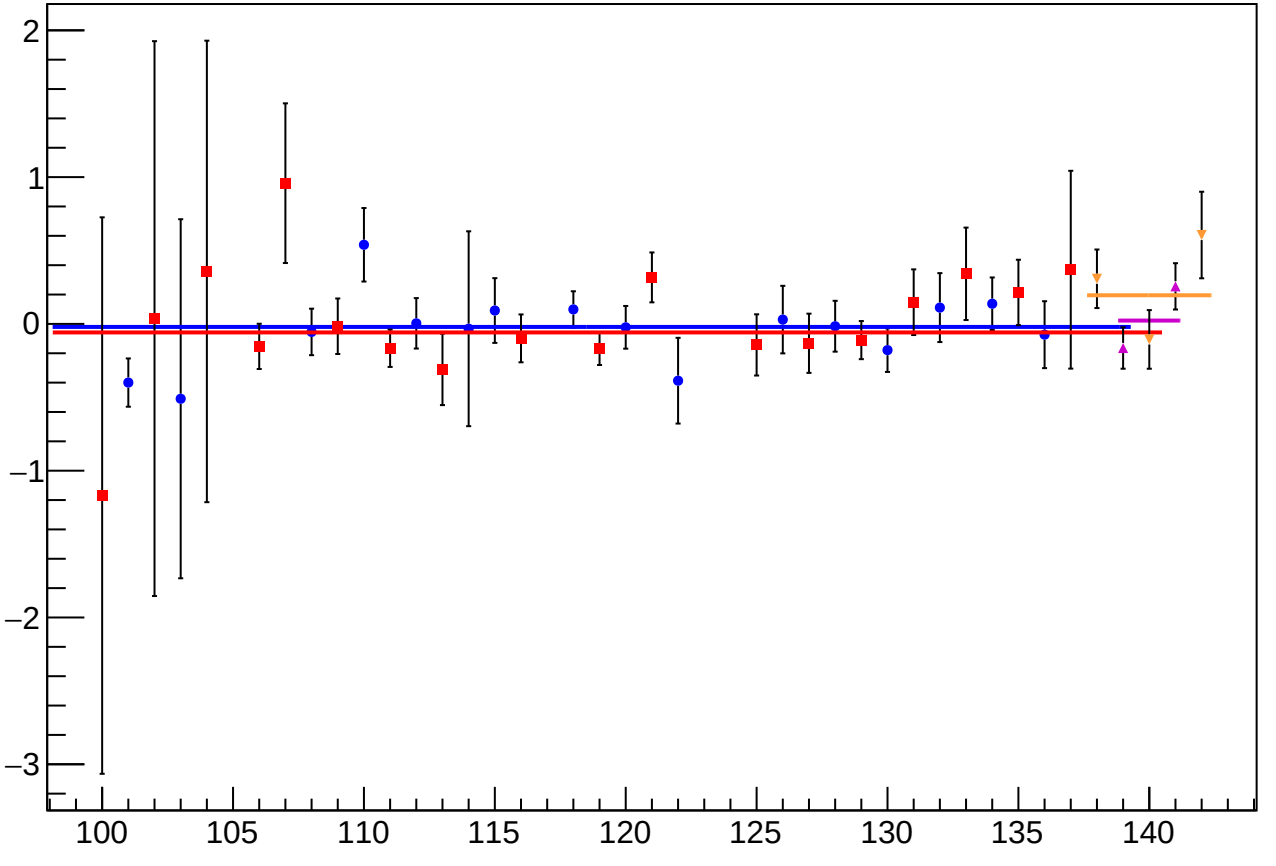
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.862+/-0.031 χ^2/NDF:1922229.8/17

Out: 111.085+/-0.031 χ^2/NDF:3394783.7/20

All: 112.982+/-0.022 χ^2/NDF: 5324552.2/38

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: 0.195+/-0.127 χ^2/NDF:4.5/2

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: 0.093+/-0.081 χ^2/NDF: 9.5/4

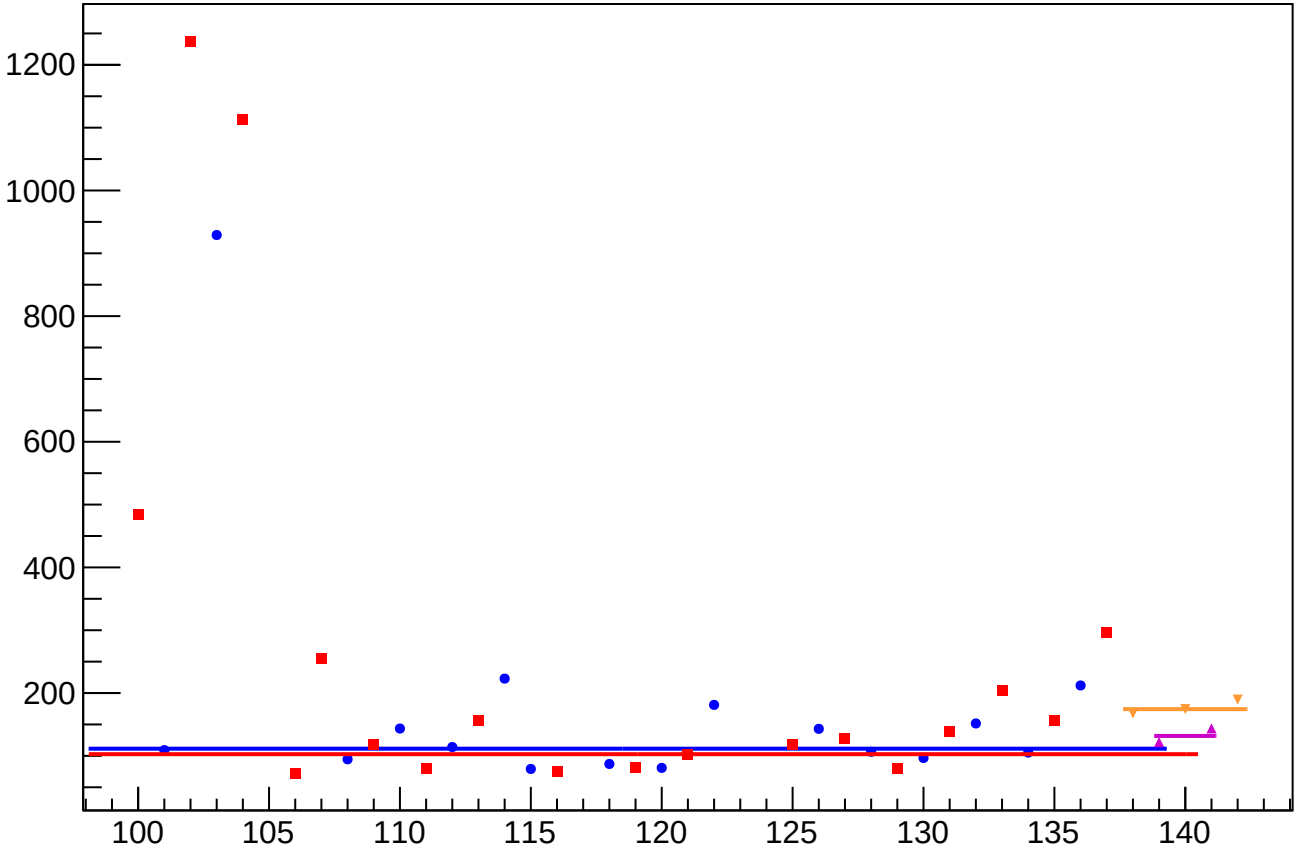
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.021+/-0.031 χ^2/NDF: 44.6/38

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: 174.378+/-0.090 χ^2/NDF:7643.0/2

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 131.713+/-0.074 χ^2/NDF:21014.3/1

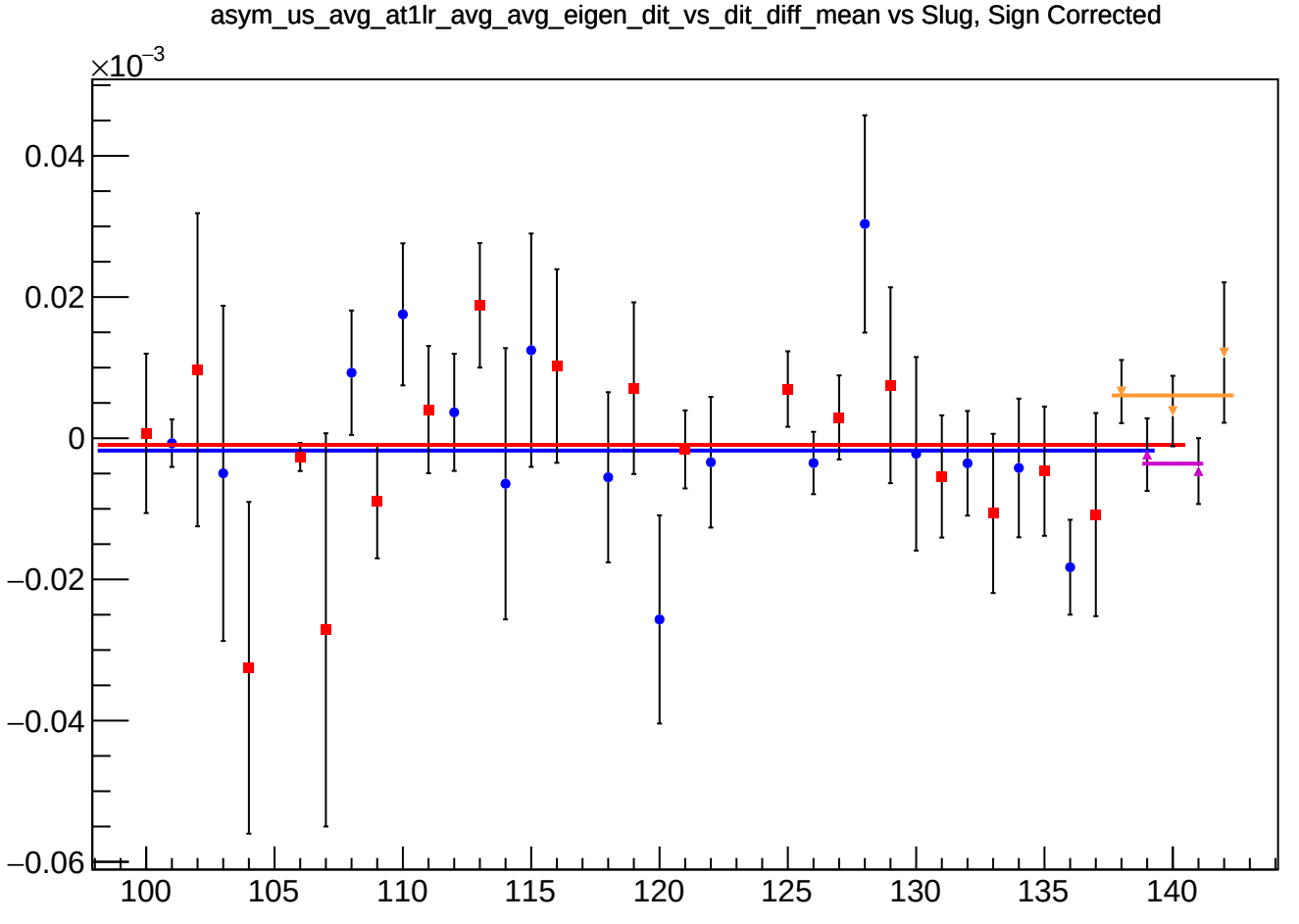
Left: 149.027+/-0.057 χ^2/NDF: 162187.2/4

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.862+/-0.031 χ^2/NDF:1922229.8/17

Out: 111.085+/-0.031 χ^2/NDF:3394783.7/20

All: 112.982+/-0.022 χ^2/NDF: 5324552.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/2

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

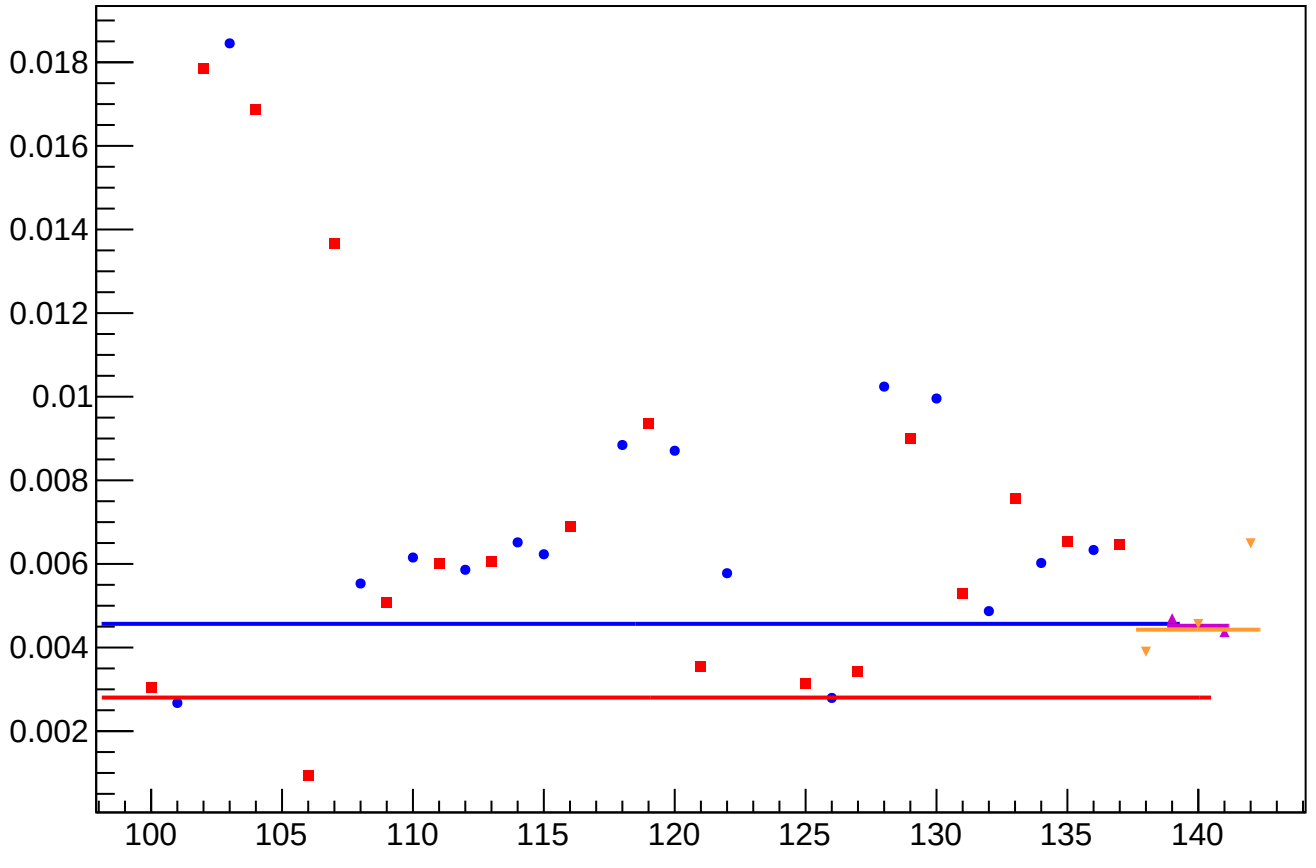
Left: 0.000+/-0.000 χ^2/NDF: 5.0/4

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:20.4/20

All: -0.000+/-0.000 χ^2/NDF: 42.1/38



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:115551.7/2

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:4528.3/1

Left: 0.004+/-0.000 χ^2/NDF: 120874.3/4

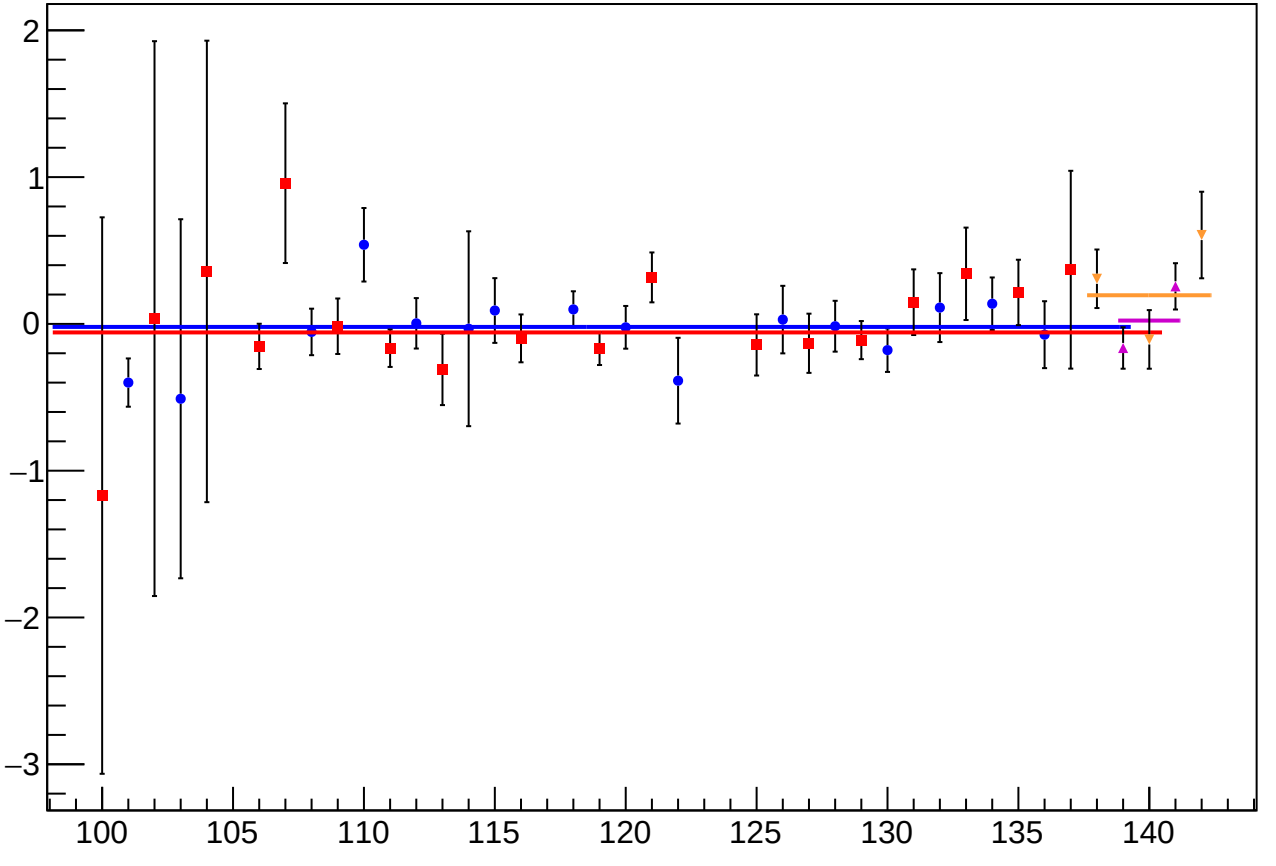
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3017060.8/17

Out: 0.003+/-0.000 χ^2/NDF:7159668.0/20

All: 0.004+/-0.000 χ^2/NDF: 11097935.1/38

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: 0.195+/-0.127 χ^2/NDF:4.5/2

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: 0.093+/-0.081 χ^2/NDF: 9.5/4

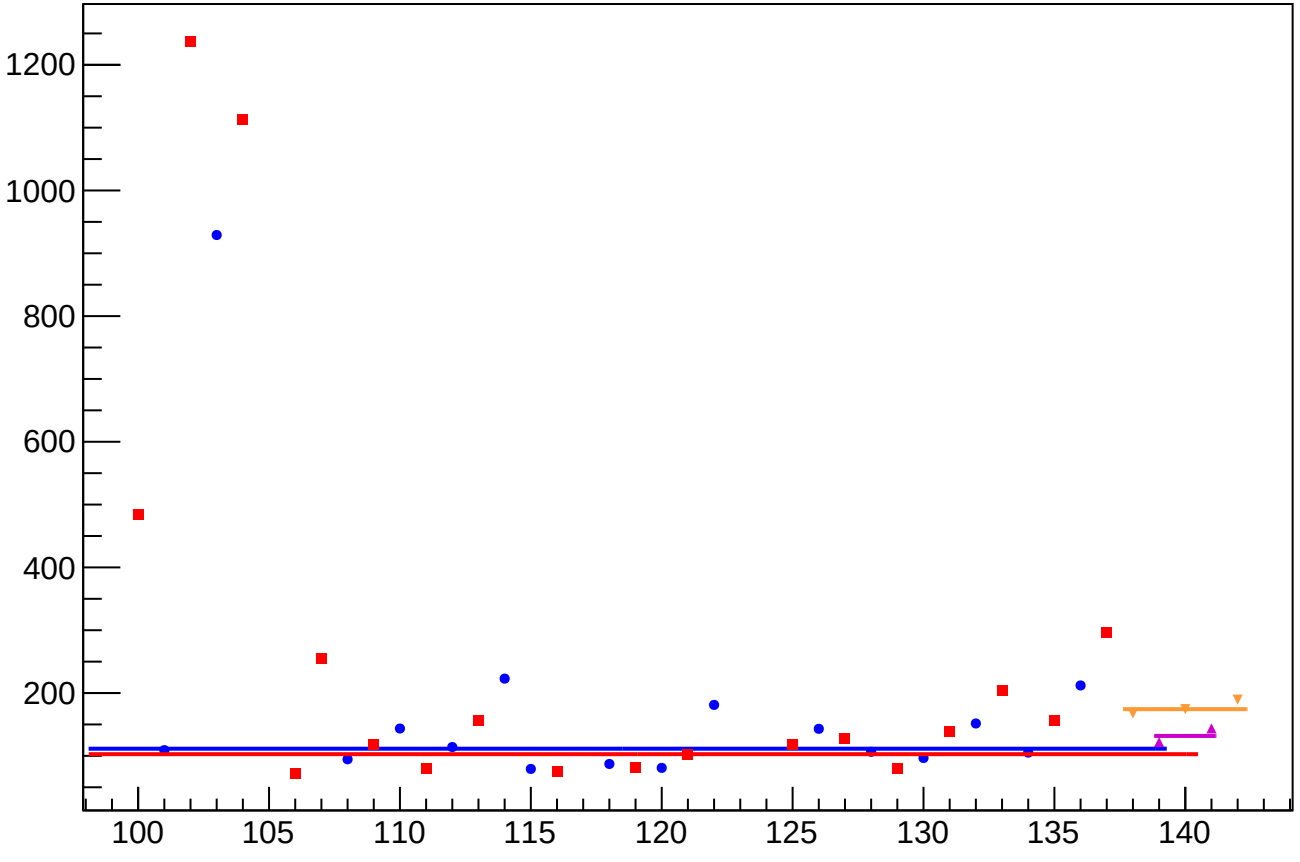
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.021+/-0.031 χ^2/NDF: 44.6/38

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 174.378+/-0.090 χ^2/NDF:7643.9/2

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: 149.027+/-0.057 χ^2/NDF: 162180.8/4

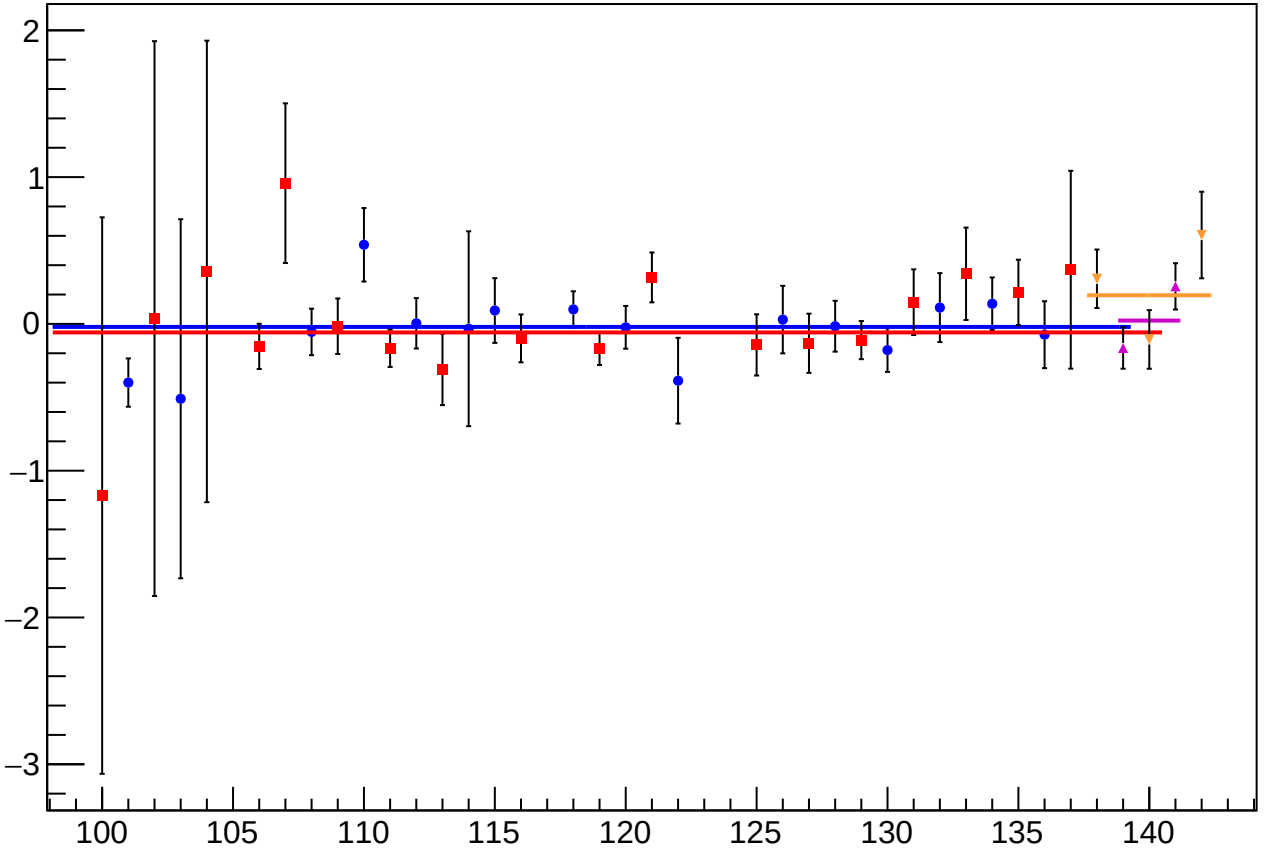
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.859+/-0.031 χ^2/NDF:1922293.3/17

Out: 111.084+/-0.031 χ^2/NDF:3394808.2/20

All: 112.980+/-0.022 χ^2/NDF: 5324637.9/38

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: 0.195+/-0.127 χ^2/NDF:4.5/2

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: 0.093+/-0.081 χ^2/NDF: 9.5/4

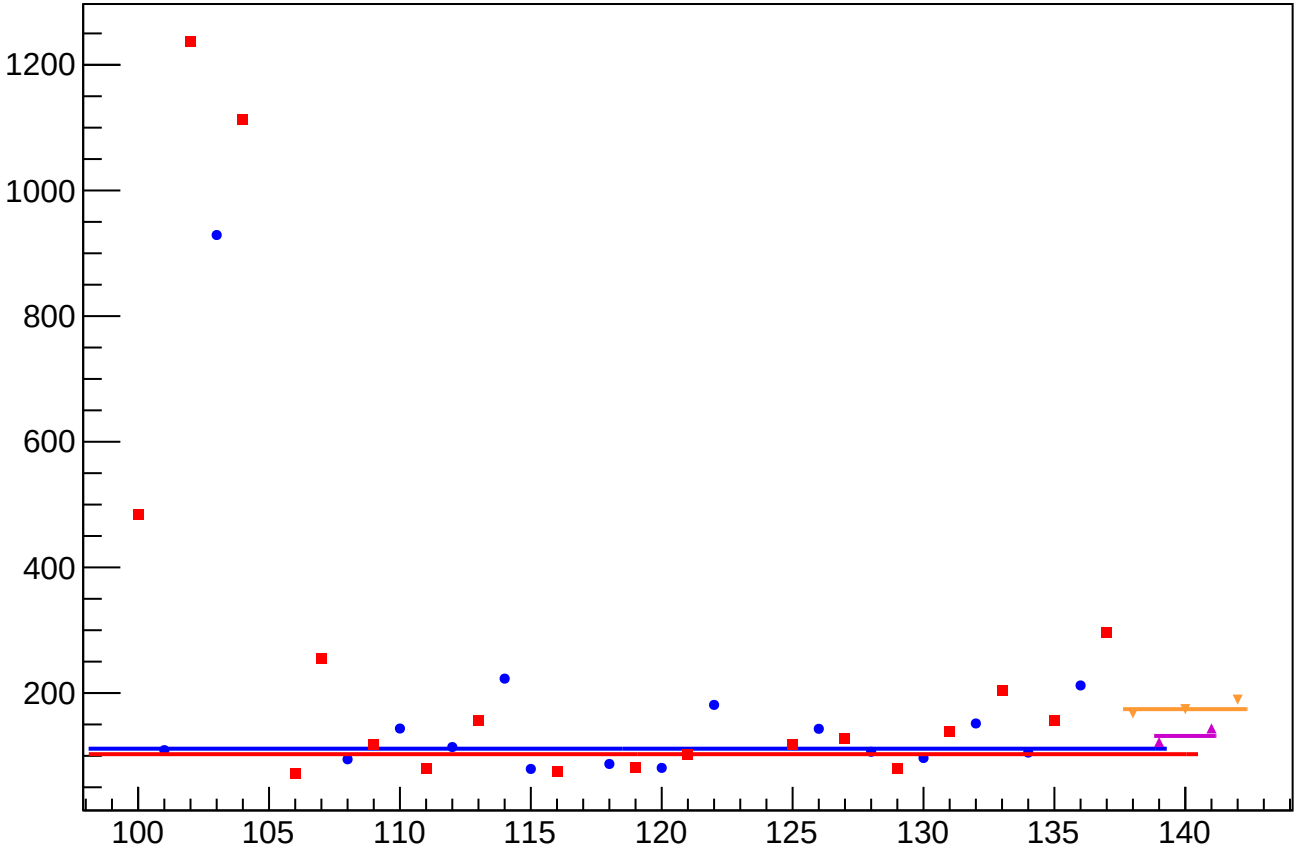
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.013+/-0.043 χ^2/NDF:19.7/17

Out: -0.028+/-0.044 χ^2/NDF:24.9/20

All: -0.021+/-0.031 χ^2/NDF: 44.6/38

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: 174.378+/-0.090 χ^2/NDF:7643.9/2

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 131.713+/-0.074 χ^2/NDF:21011.0/1

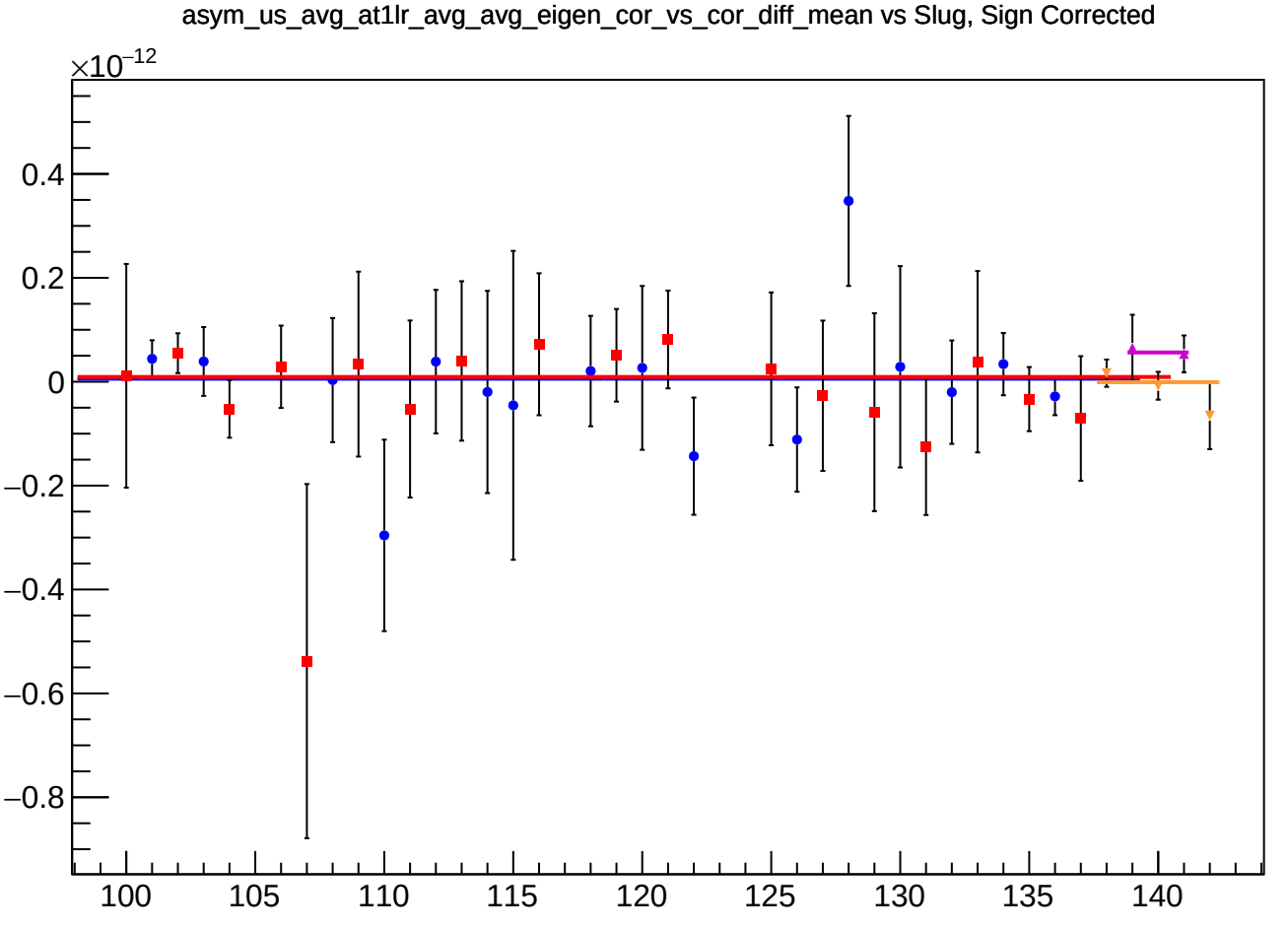
Left: 149.027+/-0.057 χ^2/NDF: 162180.8/4

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.859+/-0.031 χ^2/NDF:1922293.3/17

Out: 111.084+/-0.031 χ^2/NDF:3394808.2/20

All: 112.980+/-0.022 χ^2/NDF: 5324637.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

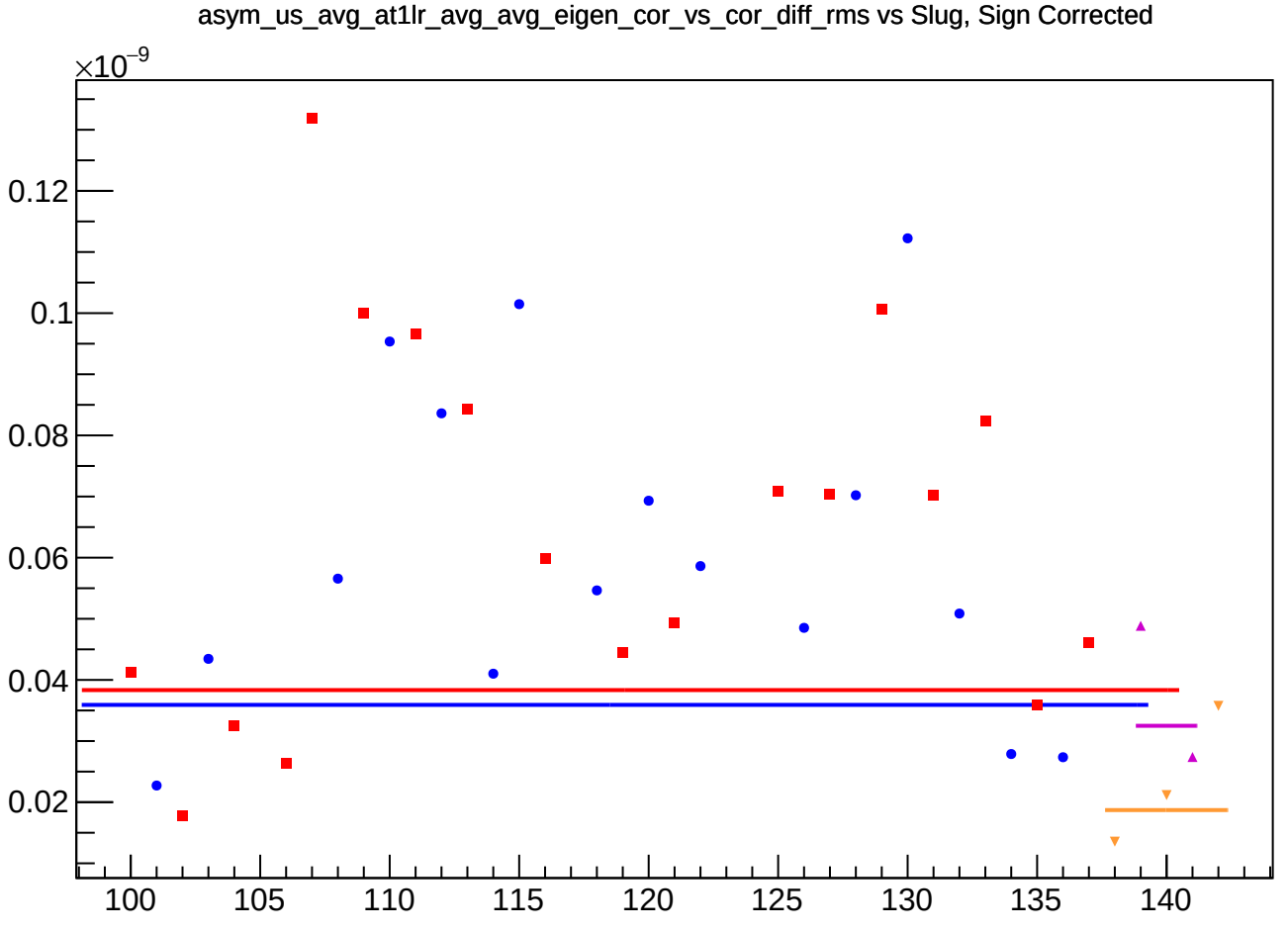
Left: 0.000+/-0.000 χ^2/NDF: 4.1/4

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:14.8/17

Out: 0.000+/-0.000 χ^2/NDF:10.3/20

All: 0.000+/-0.000 χ^2/NDF: 25.7/38



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:233790.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:172996.3/1

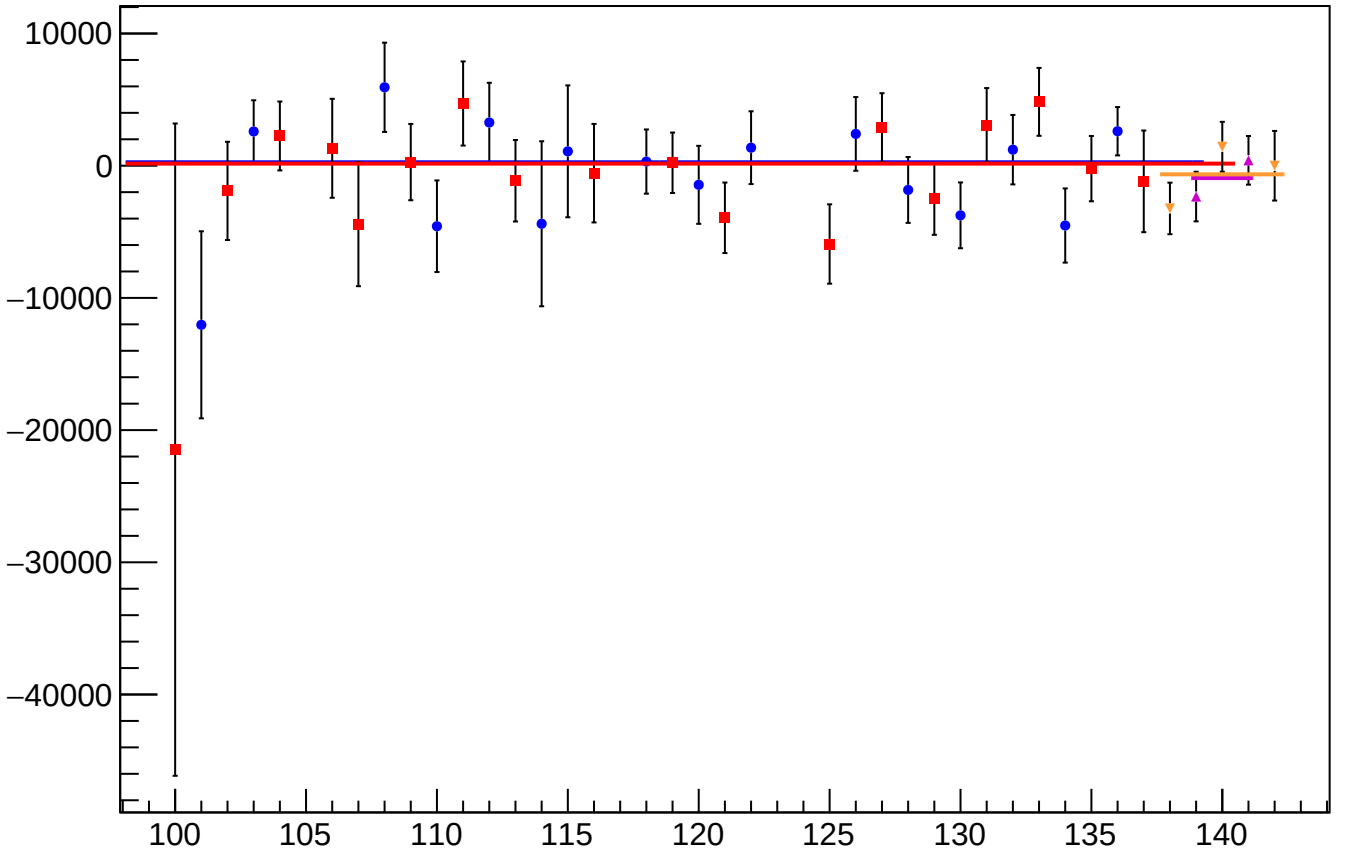
Left: 0.000+/-0.000 χ^2/NDF: 701595.6/4

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:3409387.9/20

All: 0.000+/-0.000 χ^2/NDF: 5653550.0/38



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.063+/-1205.093 χ^2/NDF:3.0/2

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -935.193+/-1313.674 χ^2/NDF:1.1/1

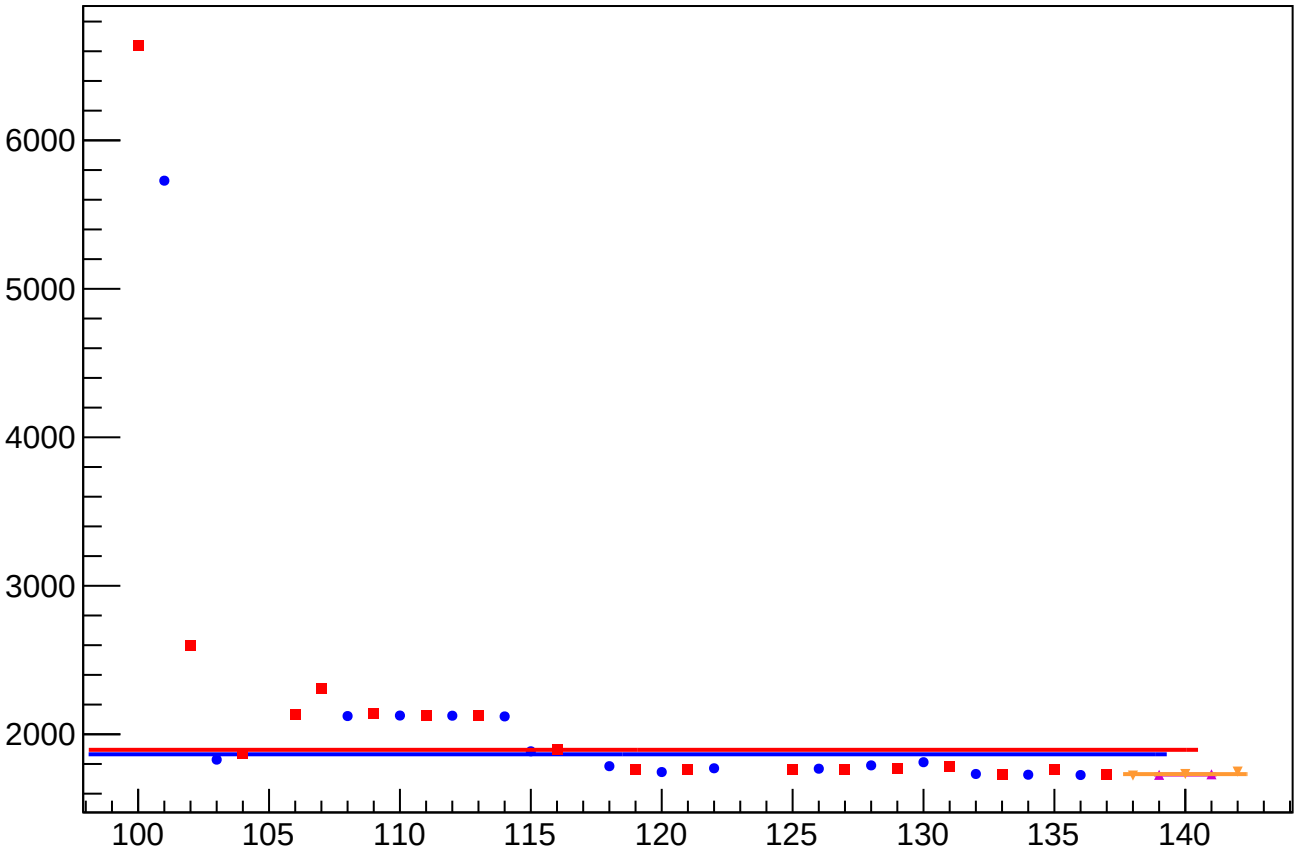
Left: -780.902+/-888.039 χ^2/NDF: 4.1/4

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -10.406+/-624.406 χ^2/NDF:21.2/17

Out: -50.498+/-613.203 χ^2/NDF:21.5/20

All: -30.815+/-437.507 χ^2/NDF: 42.6/38



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

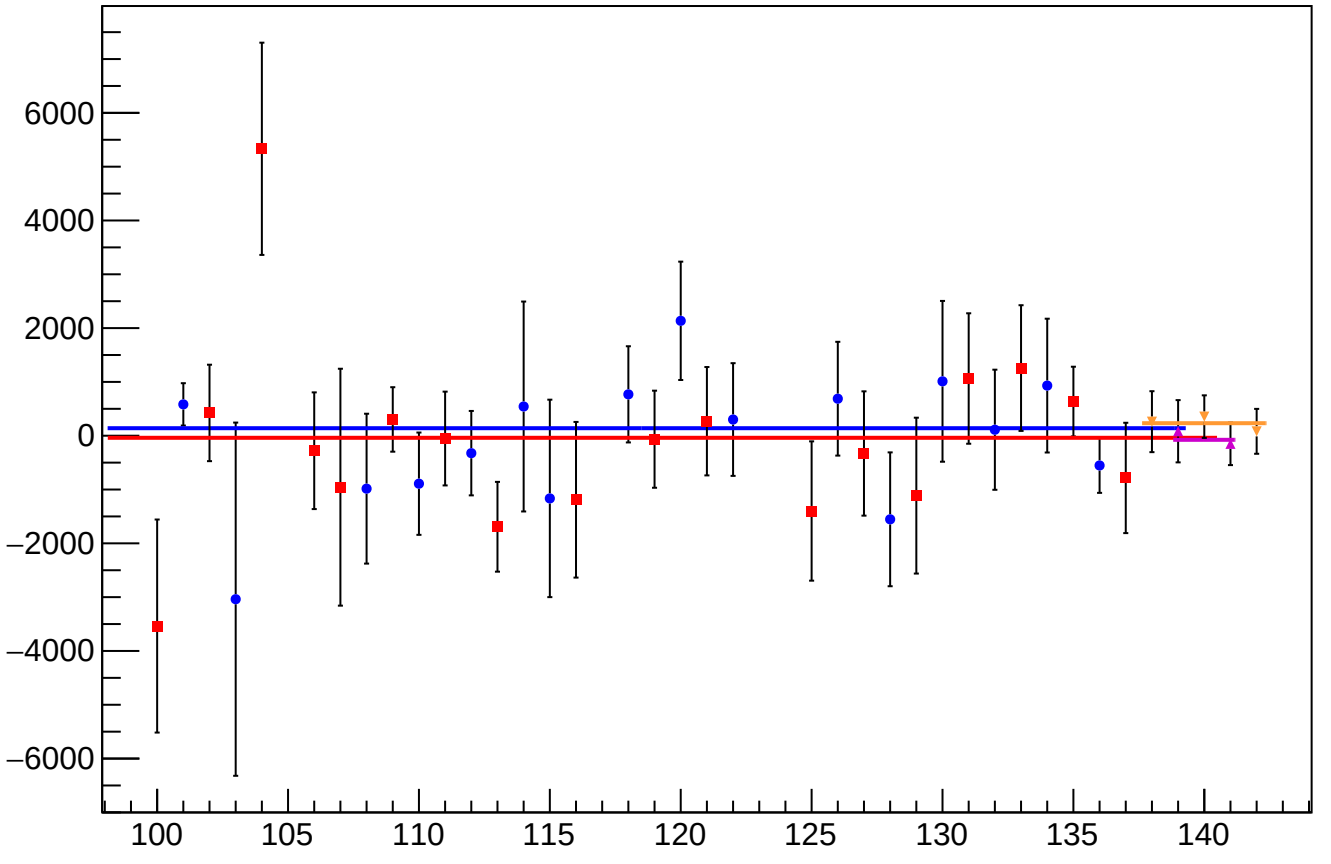
Left: 1730.340+/-0.628 χ^2/NDF: 144.0/4

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1834.348+/-0.442 χ^2/NDF:689426.5/17

Out: 1852.900+/-0.434 χ^2/NDF:278244.9/20

All: 1843.792+/-0.309 χ^2/NDF: 968570.1/38



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 232.688+/-256.090 χ^2/NDF:0.2/2

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: 114.979+/-201.483 χ^2/NDF: 0.9/4

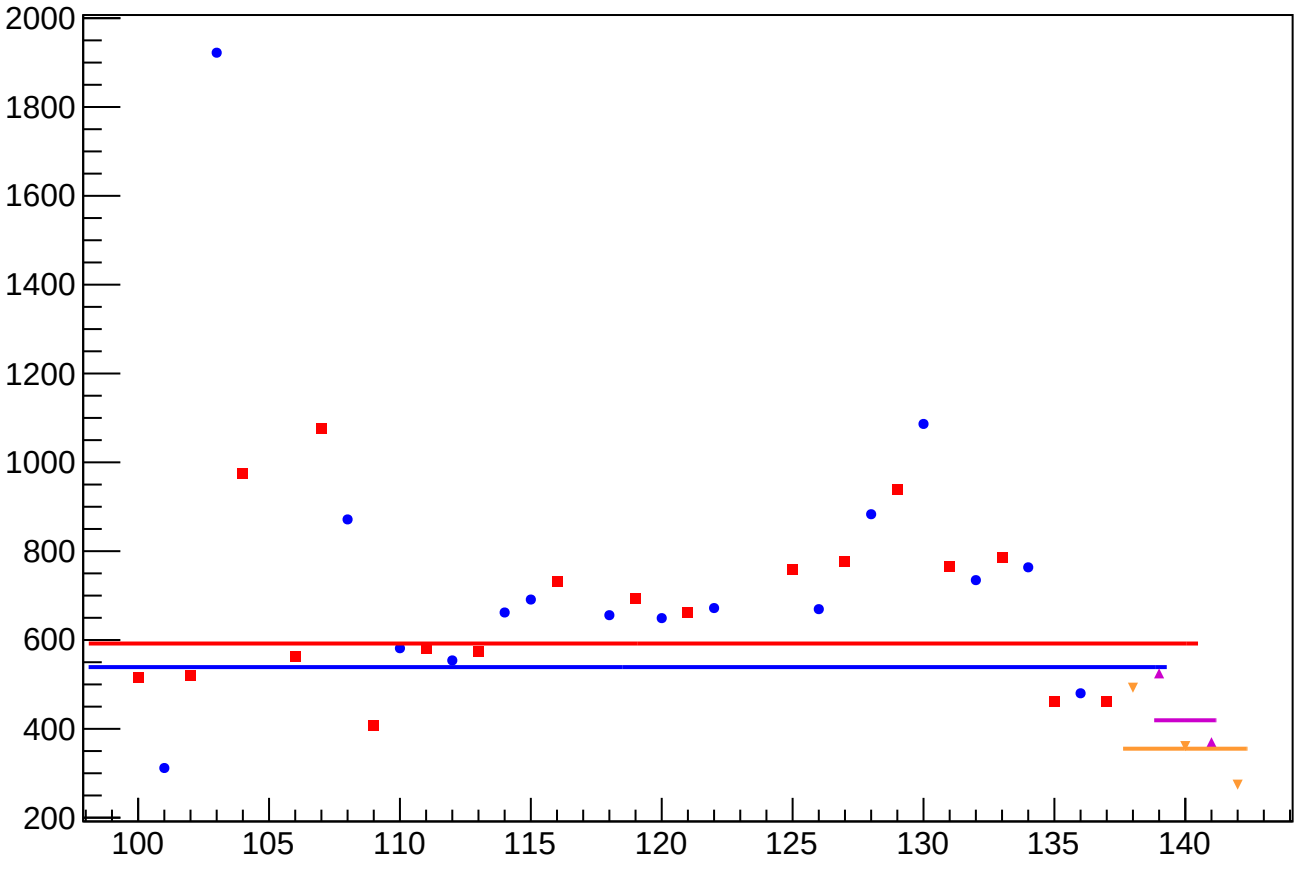
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 72.268+/-182.491 χ^2/NDF:13.9/17

Out: 87.253+/-174.436 χ^2/NDF:22.2/20

All: 80.098+/-126.096 χ^2/NDF: 36.1/38

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: 355.318+/-0.181 χ^2/NDF:193287.2/2

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 419.292+/-0.231 χ^2/NDF:97824.0/1

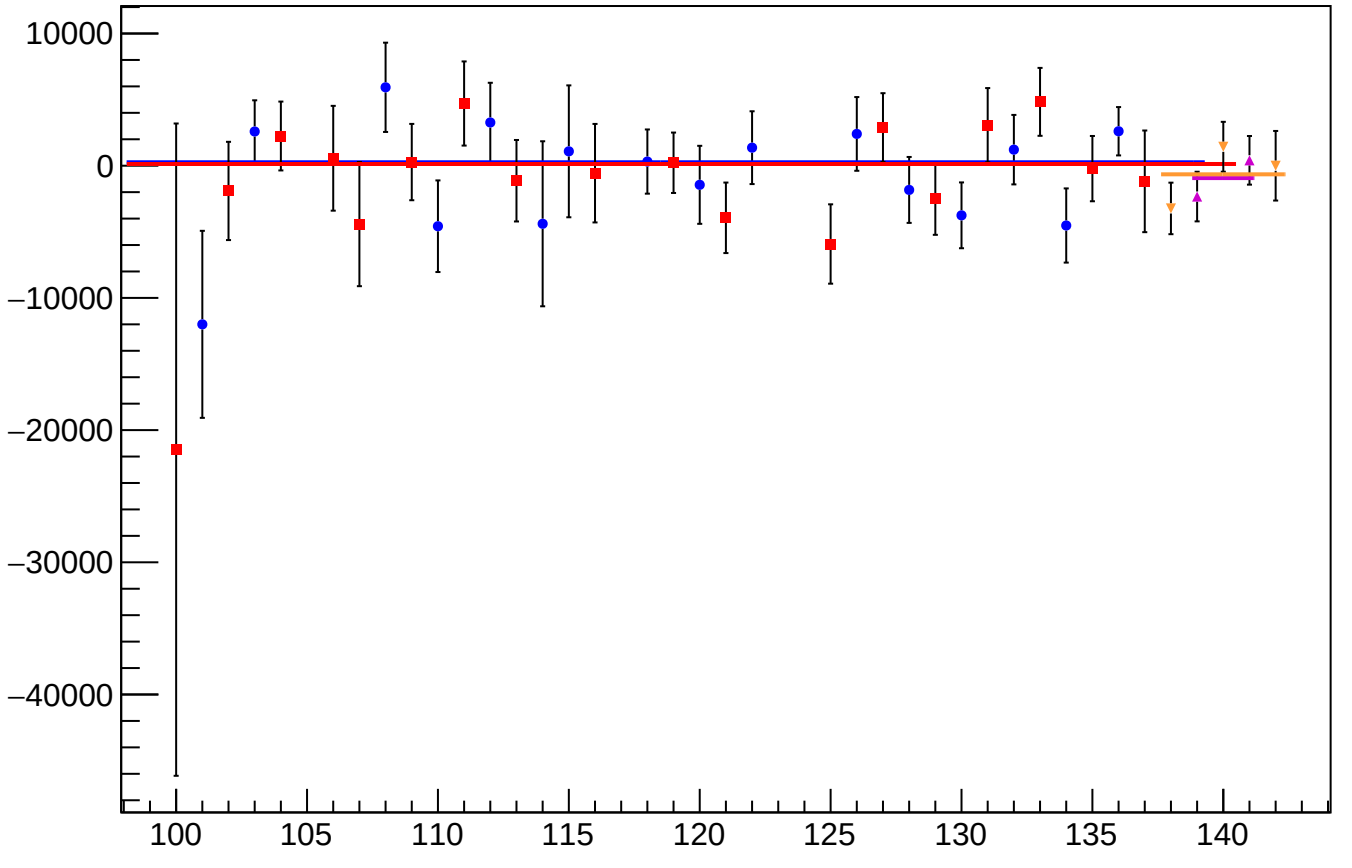
Left: 379.692+/-0.142 χ^2/NDF: 338663.8/4

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 501.596+/-0.129 χ^2/NDF:2137358.3/17

Out: 482.242+/-0.123 χ^2/NDF:1952864.5/20

All: 491.483+/-0.089 χ^2/NDF: 4101978.0/38



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.124+/-1205.093 χ^2/NDF:3.0/2

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -935.609+/-1313.674 χ^2/NDF:1.1/1

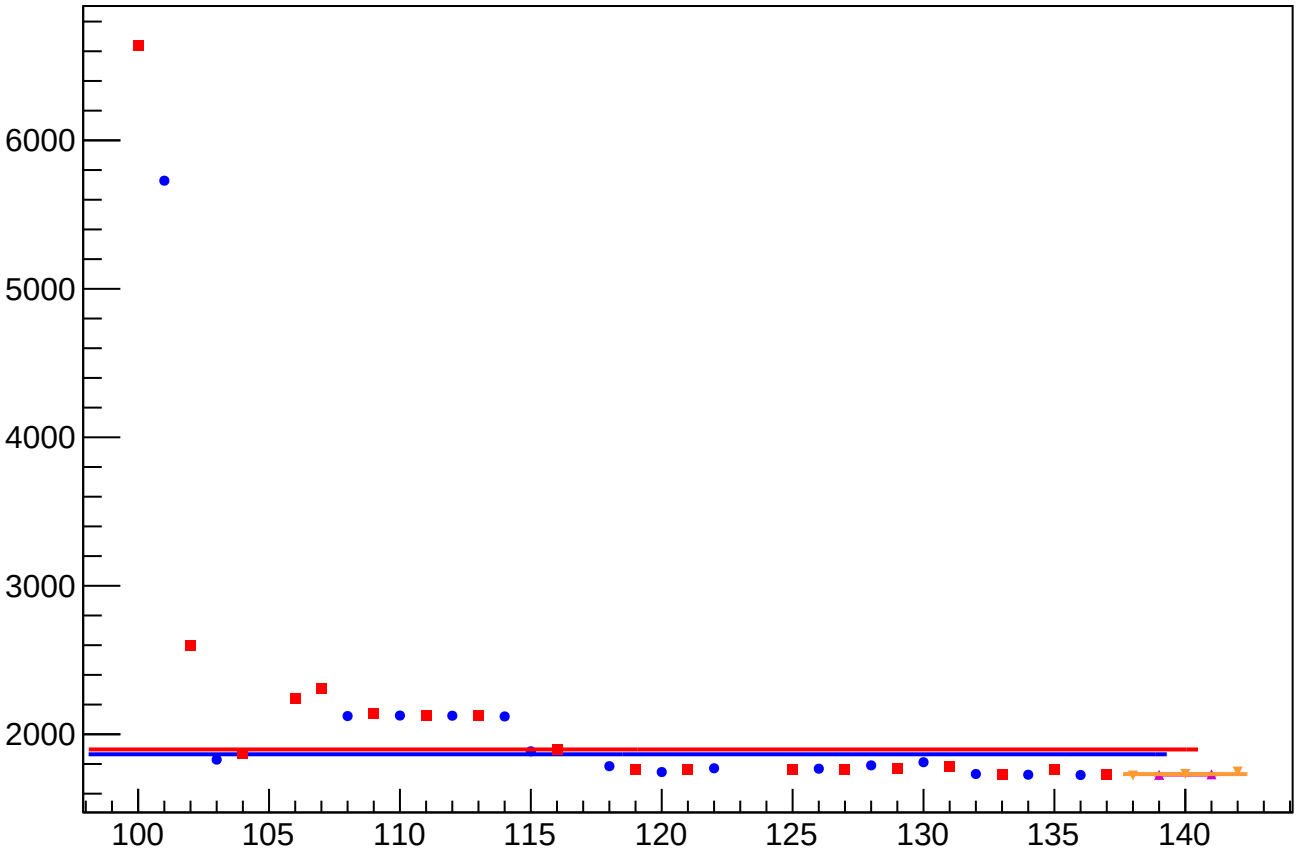
Left: -781.126+/-888.039 χ^2/NDF: 4.1/4

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.355+/-624.406 χ^2/NDF:21.1/17

Out: -72.806+/-614.101 χ^2/NDF:21.3/20

All: -42.100+/-437.833 χ^2/NDF: 42.5/38



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

Left: 1730.341+/-0.628 χ^2/NDF: 144.0/4

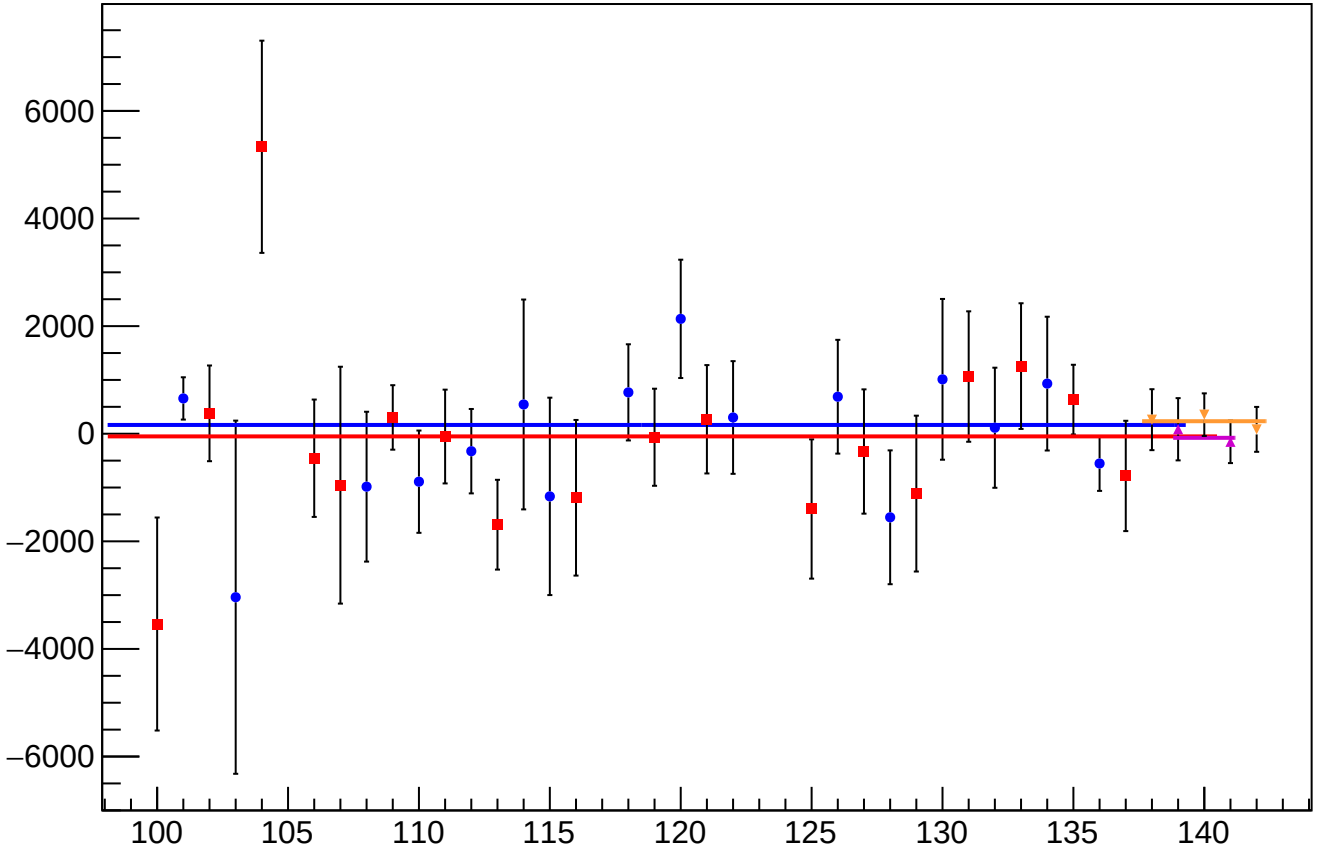
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1834.348+/-0.442 χ^2/NDF:689426.4/17

Out: 1854.590+/-0.434 χ^2/NDF:285968.8/20

All: 1844.637+/-0.310 χ^2/NDF: 976463.6/38

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: 232.563+/-256.094 χ^2/NDF:0.2/2

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: 114.941+/-201.482 χ^2/NDF: 0.9/4

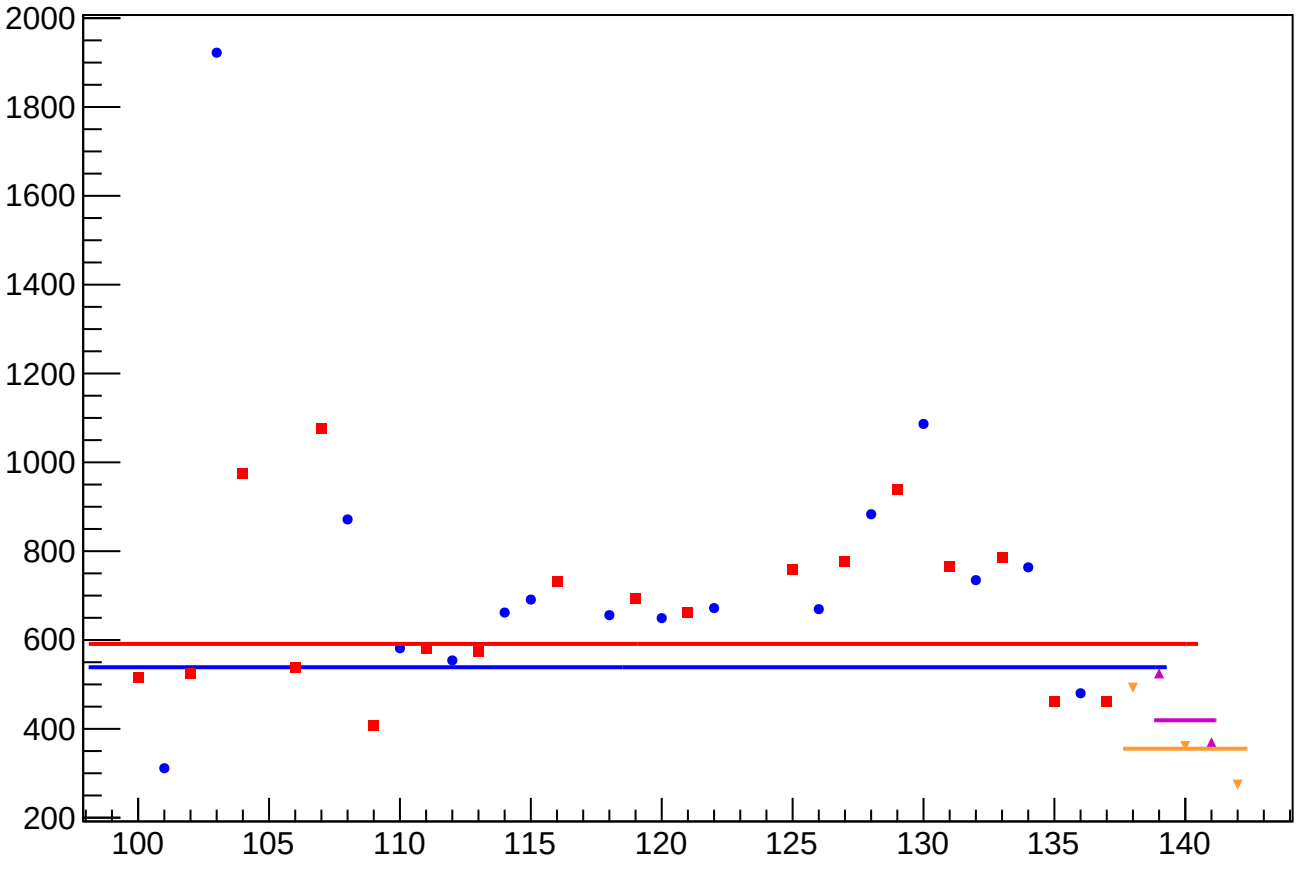
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 88.391+/-182.445 χ^2/NDF:14.4/17

Out: 81.269+/-174.415 χ^2/NDF:22.3/20

All: 84.670+/-126.073 χ^2/NDF: 36.7/38

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: 355.327+/-0.181 χ^2/NDF:193285.2/2

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 419.276+/-0.231 χ^2/NDF:97821.2/1

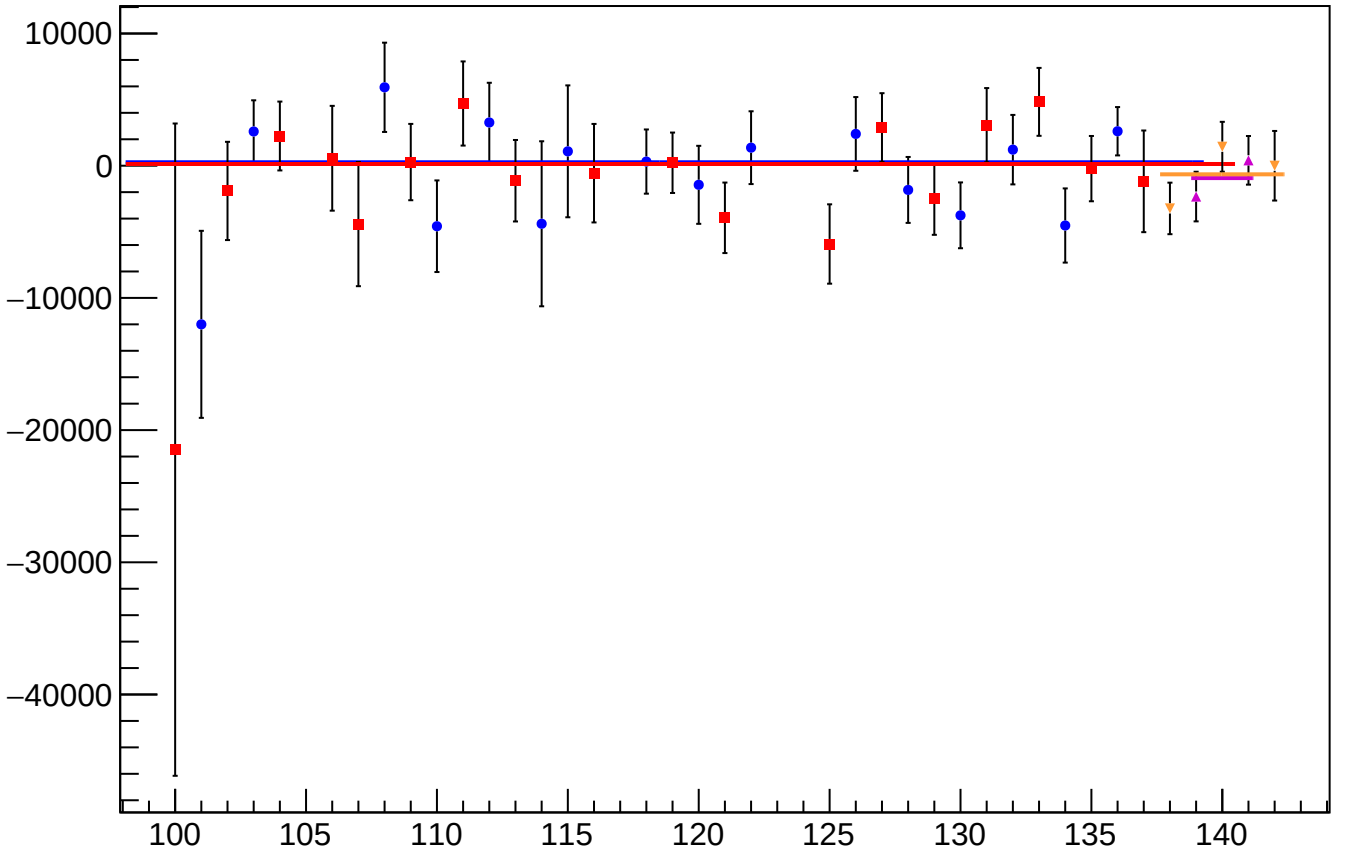
Left: 379.693+/-0.142 χ^2/NDF: 338623.7/4

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 501.391+/-0.129 χ^2/NDF:2140808.6/17

Out: 481.814+/-0.123 χ^2/NDF:1947809.1/20

All: 491.163+/-0.089 χ^2/NDF: 4100649.9/38



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -651.124+/-1205.093 χ^2/NDF:3.0/2

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -935.609+/-1313.674 χ^2/NDF:1.1/1

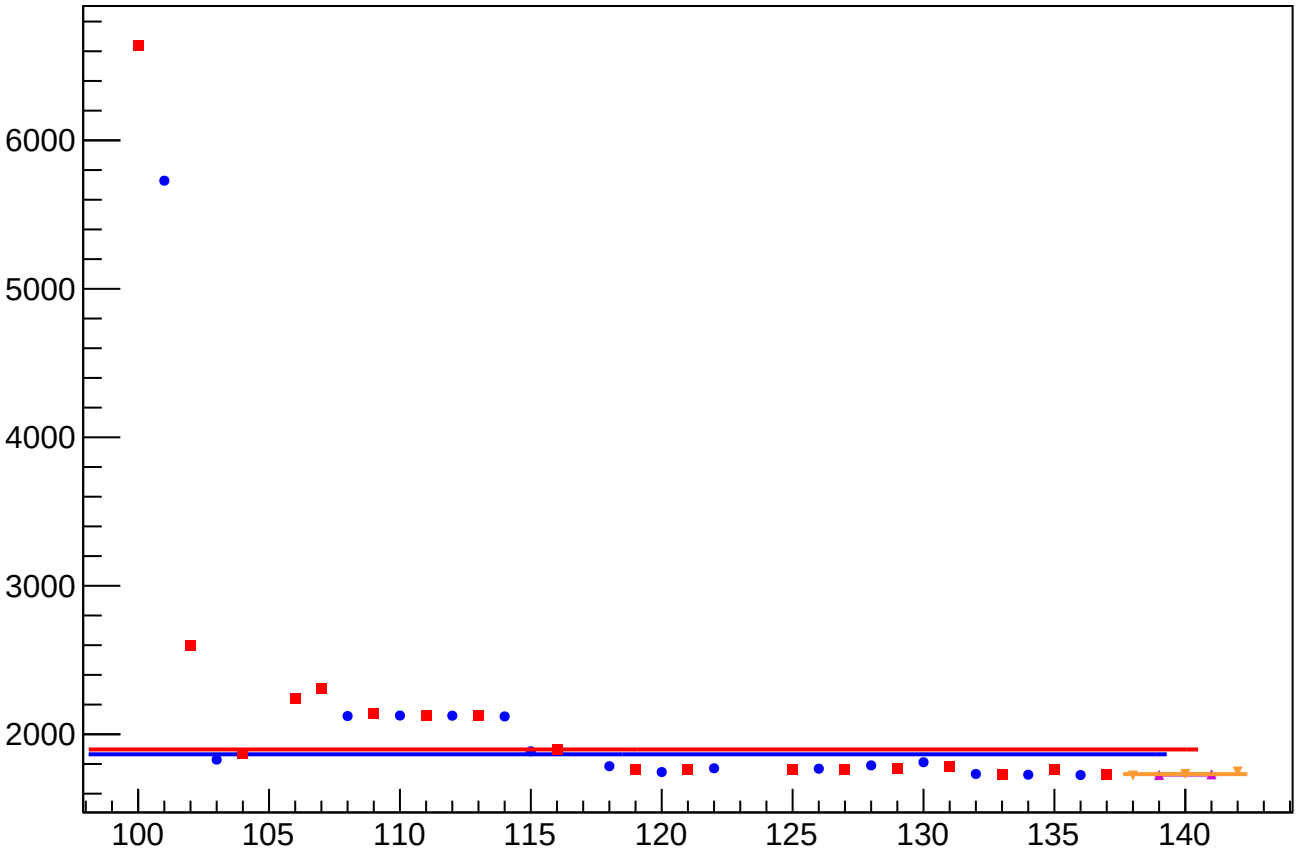
Left: -781.126+/-888.039 χ^2/NDF: 4.1/4

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.355+/-624.406 χ^2/NDF:21.1/17

Out: -72.806+/-614.101 χ^2/NDF:21.3/20

All: -42.100+/-437.833 χ^2/NDF: 42.5/38



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1731.686+/-0.852 χ^2/NDF:134.4/2

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1728.741+/-0.929 χ^2/NDF:4.2/1

Left: 1730.341+/-0.628 χ^2/NDF: 144.0/4

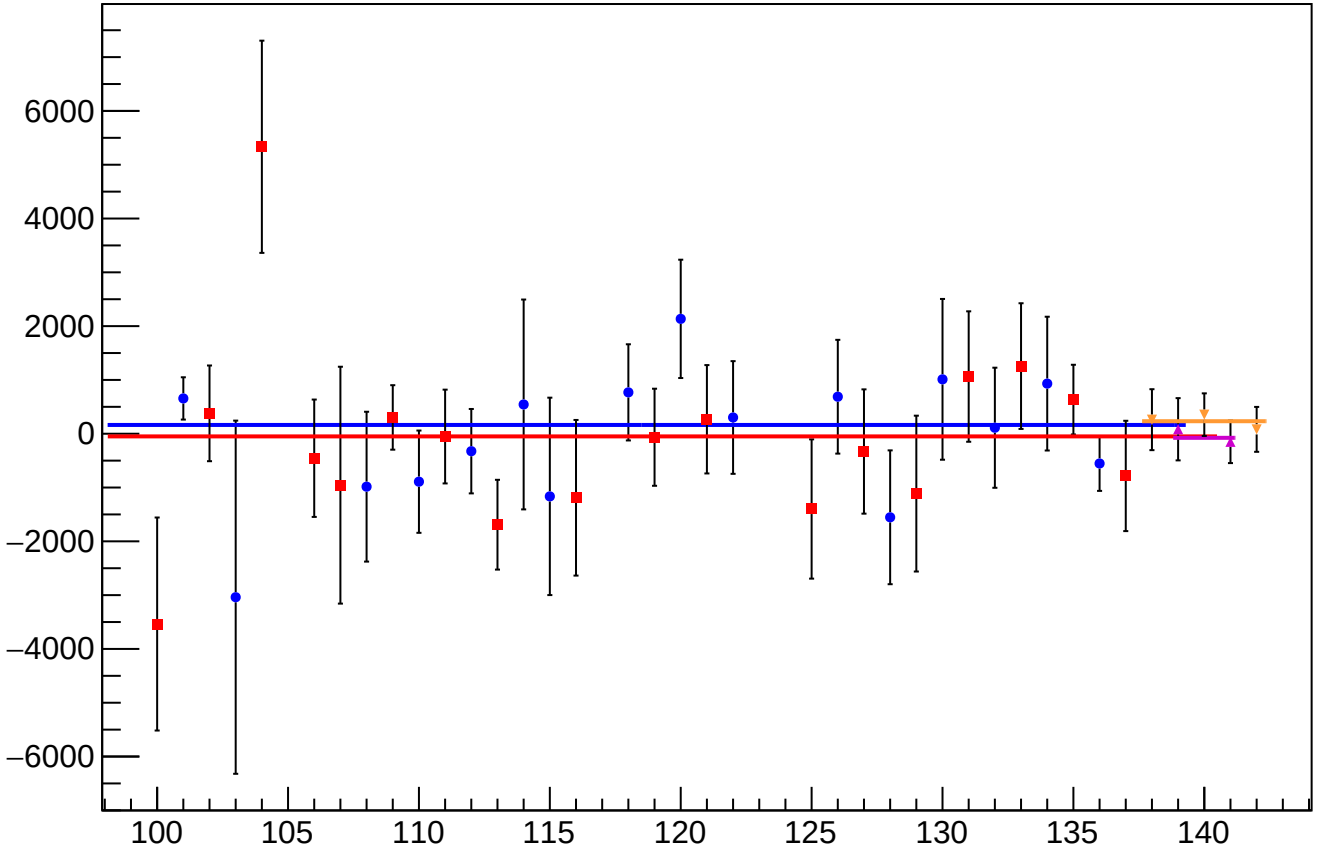
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1834.348+/-0.442 χ^2/NDF:689426.4/17

Out: 1854.590+/-0.434 χ^2/NDF:285968.8/20

All: 1844.637+/-0.310 χ^2/NDF: 976463.6/38

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: 232.563+/-256.094 χ^2/NDF:0.2/2

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: 114.941+/-201.482 χ^2/NDF: 0.9/4

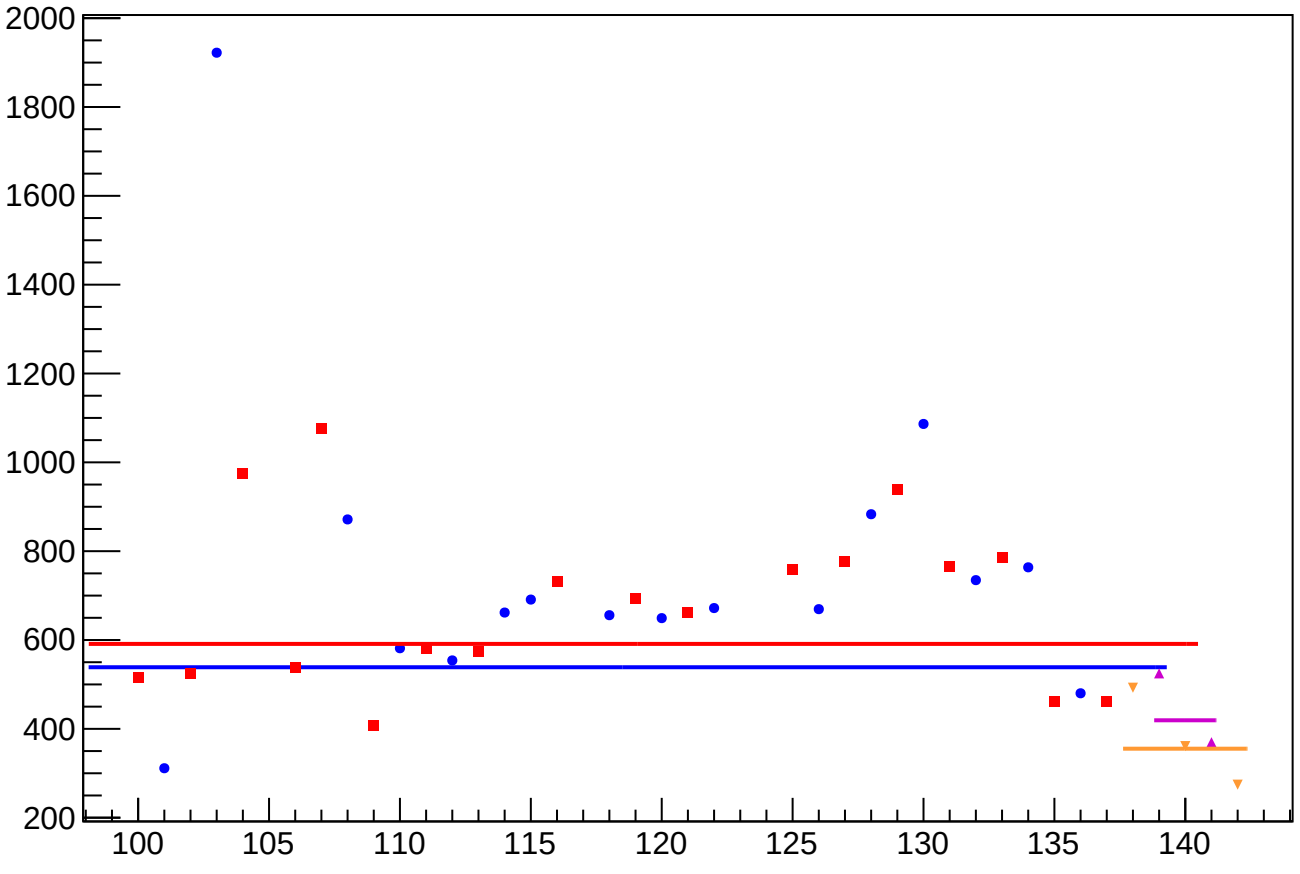
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 88.391+/-182.445 χ^2/NDF:14.4/17

Out: 81.269+/-174.415 χ^2/NDF:22.3/20

All: 84.670+/-126.073 χ^2/NDF: 36.7/38

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: 355.327+/-0.181 χ^2/NDF:193285.2/2

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 419.276+/-0.231 χ^2/NDF:97821.2/1

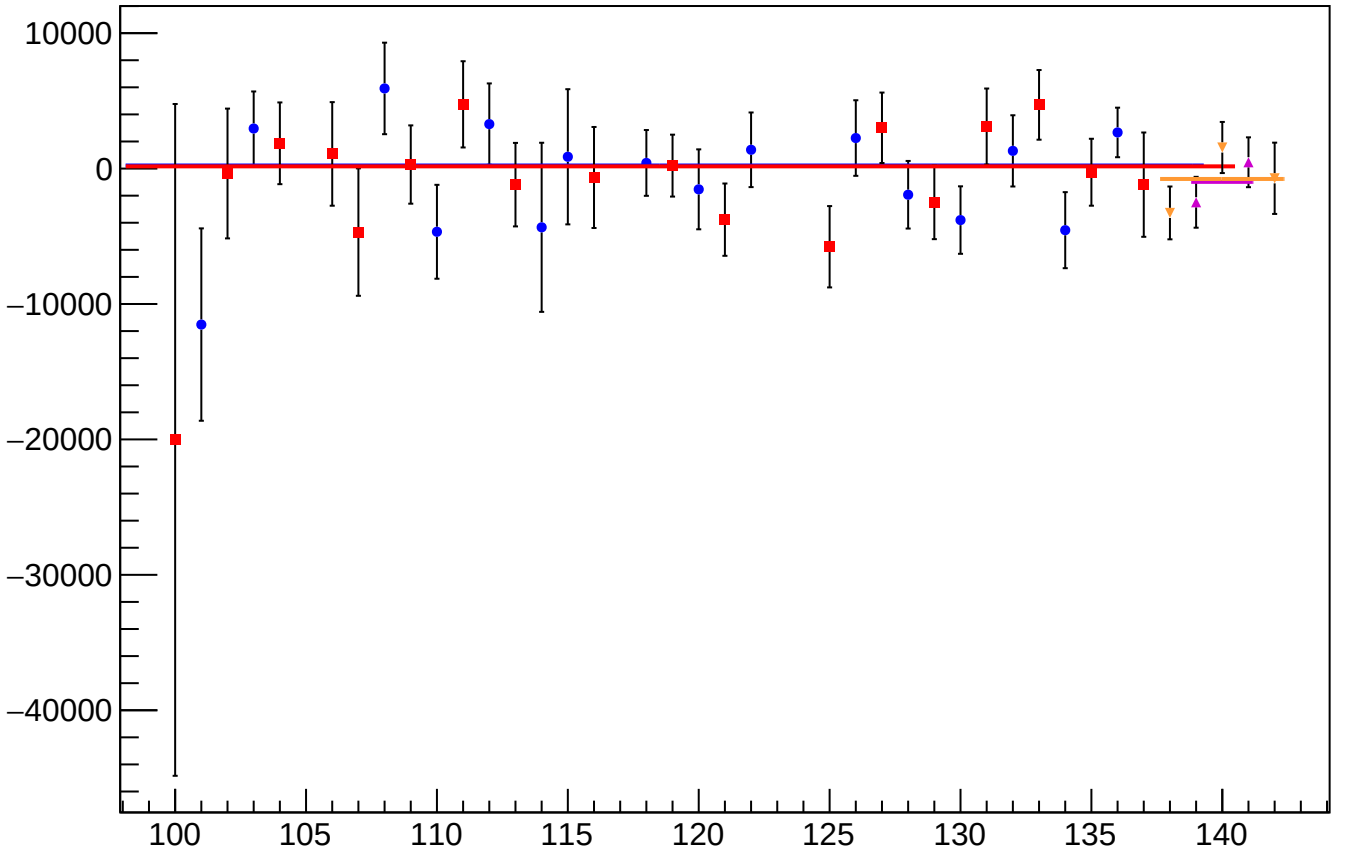
Left: 379.693+/-0.142 χ^2/NDF: 338623.7/4

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 501.391+/-0.129 χ^2/NDF:2140808.6/17

Out: 481.814+/-0.123 χ^2/NDF:1947809.1/20

All: 491.163+/-0.089 χ^2/NDF: 4100649.9/38



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -767.293+/-1205.650 χ^2/NDF:3.2/2

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -980.938+/-1314.597 χ^2/NDF:1.3/1

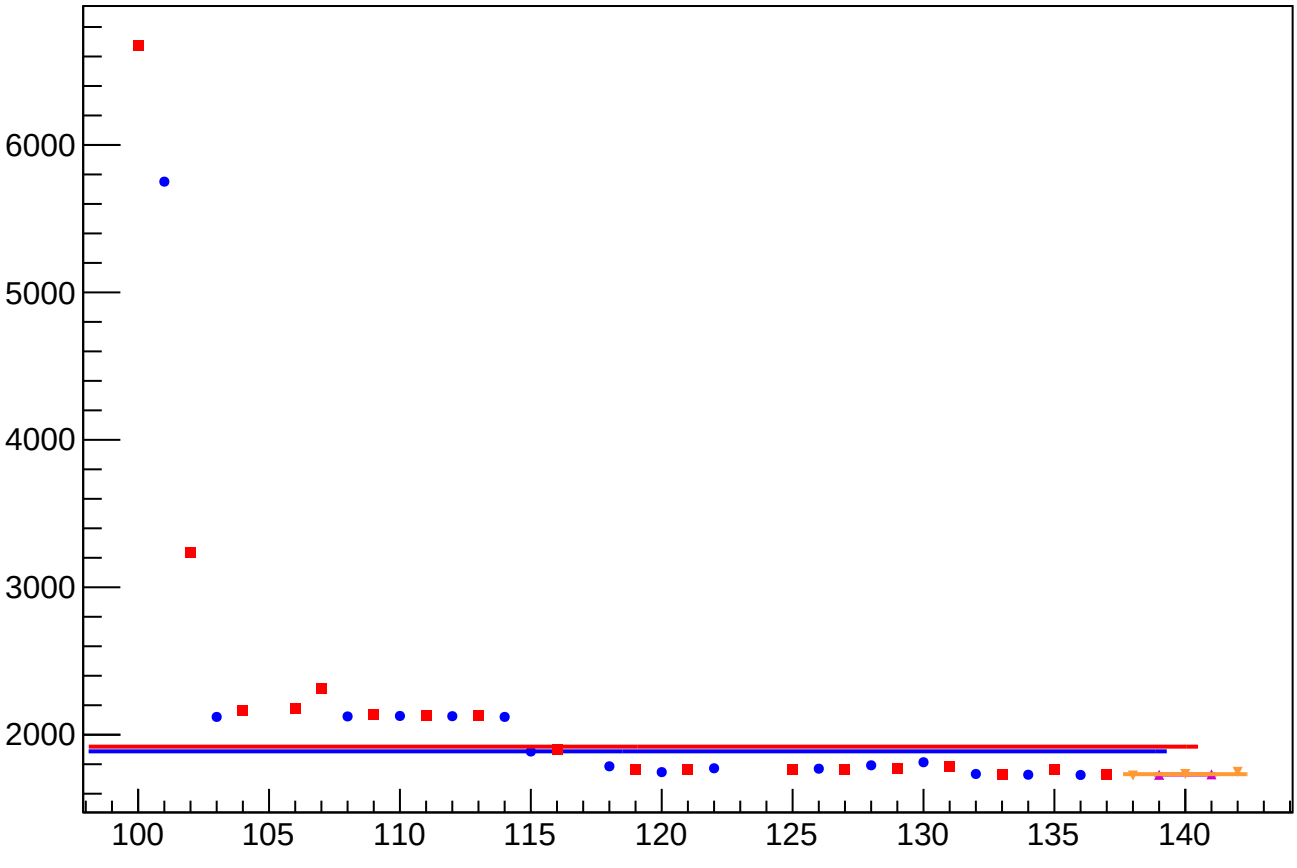
Left: -864.897+/-888.547 χ^2/NDF: 4.4/4

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -51.470+/-630.514 χ^2/NDF:21.3/17

Out: -83.938+/-621.818 χ^2/NDF:20.6/20

All: -67.929+/-442.734 χ^2/NDF: 42.0/38



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1732.479+/-0.853 χ^2/NDF:120.3/2

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1729.943+/-0.930 χ^2/NDF:3.0/1

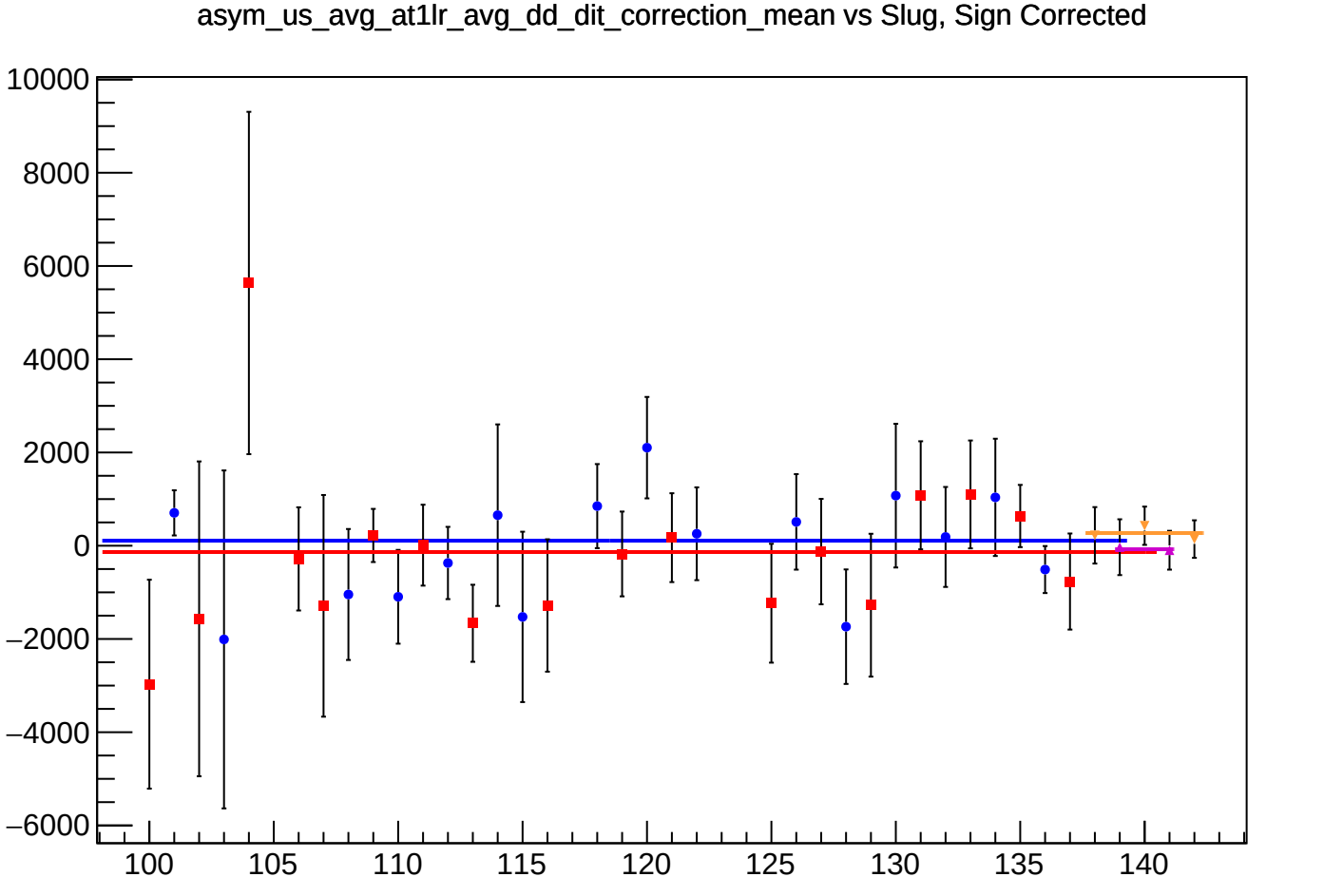
Left: 1731.321+/-0.628 χ^2/NDF: 127.4/4

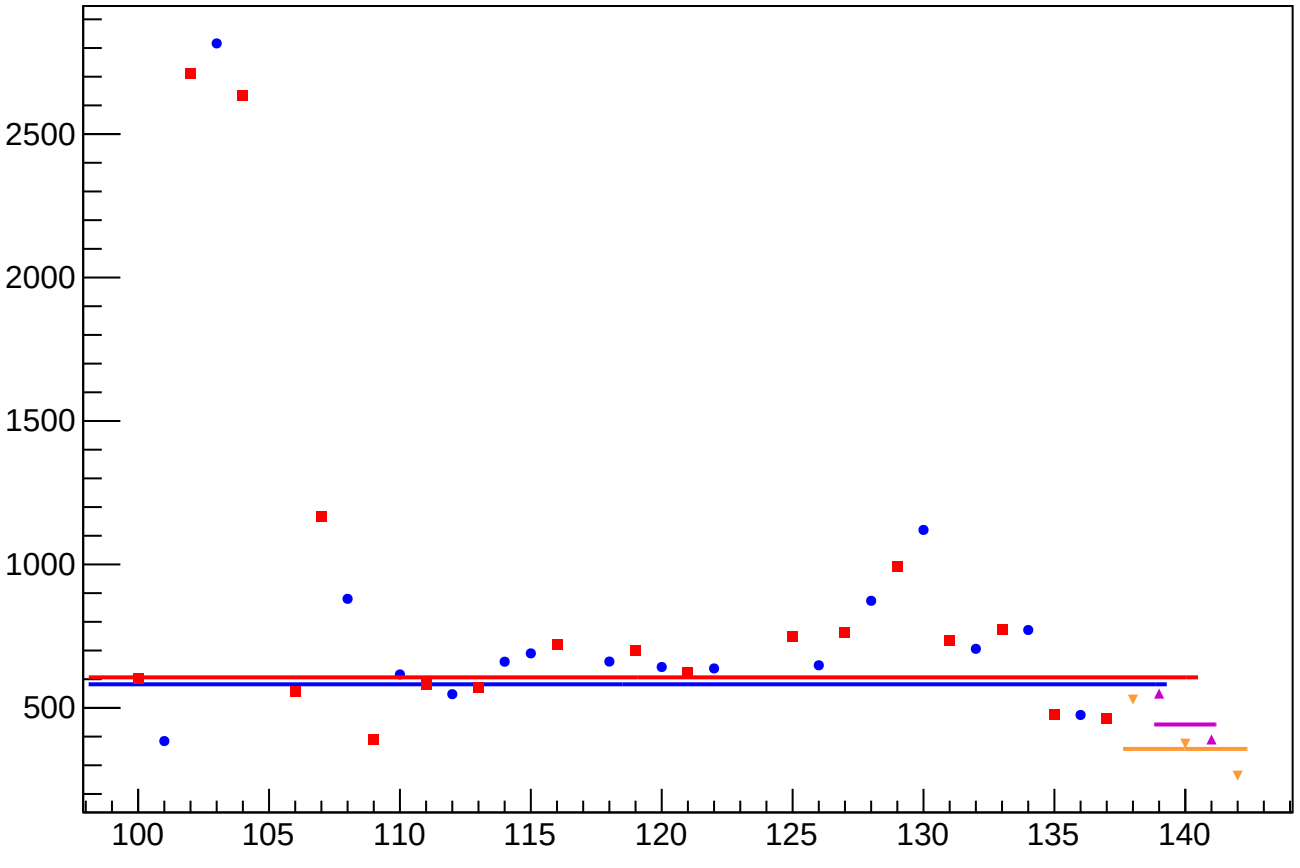
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1851.109+/-0.446 χ^2/NDF:711512.4/17

Out: 1869.506+/-0.440 χ^2/NDF:387884.2/20

All: 1860.435+/-0.313 χ^2/NDF: 1100259.7/38


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
140
Right In: 108.131+/-231.711 χ²/NDF: 14.2/15
Left Out: 271.899+/-259.601 χ²/NDF:0.3/2
Right Out: -135.358+/-245.933 χ²/NDF: 14.4/17
Left In: -75.333+/-341.769 χ²/NDF:0.0/1
Left: 144.857+/-206.727 χ²/NDF: 0.9/4
Right: -6.369+/-168.648 χ²/NDF: 29.0/33
In: 50.358+/-191.788 χ²/NDF:14.4/17
Out: 57.268+/-178.538 χ²/NDF:15.9/20
All: 54.060+/-130.679 χ²/NDF: 30.3/38



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 357.070+/-0.184 χ^2/NDF:272724.1/2

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 442.180+/-0.242 χ^2/NDF:96214.4/1

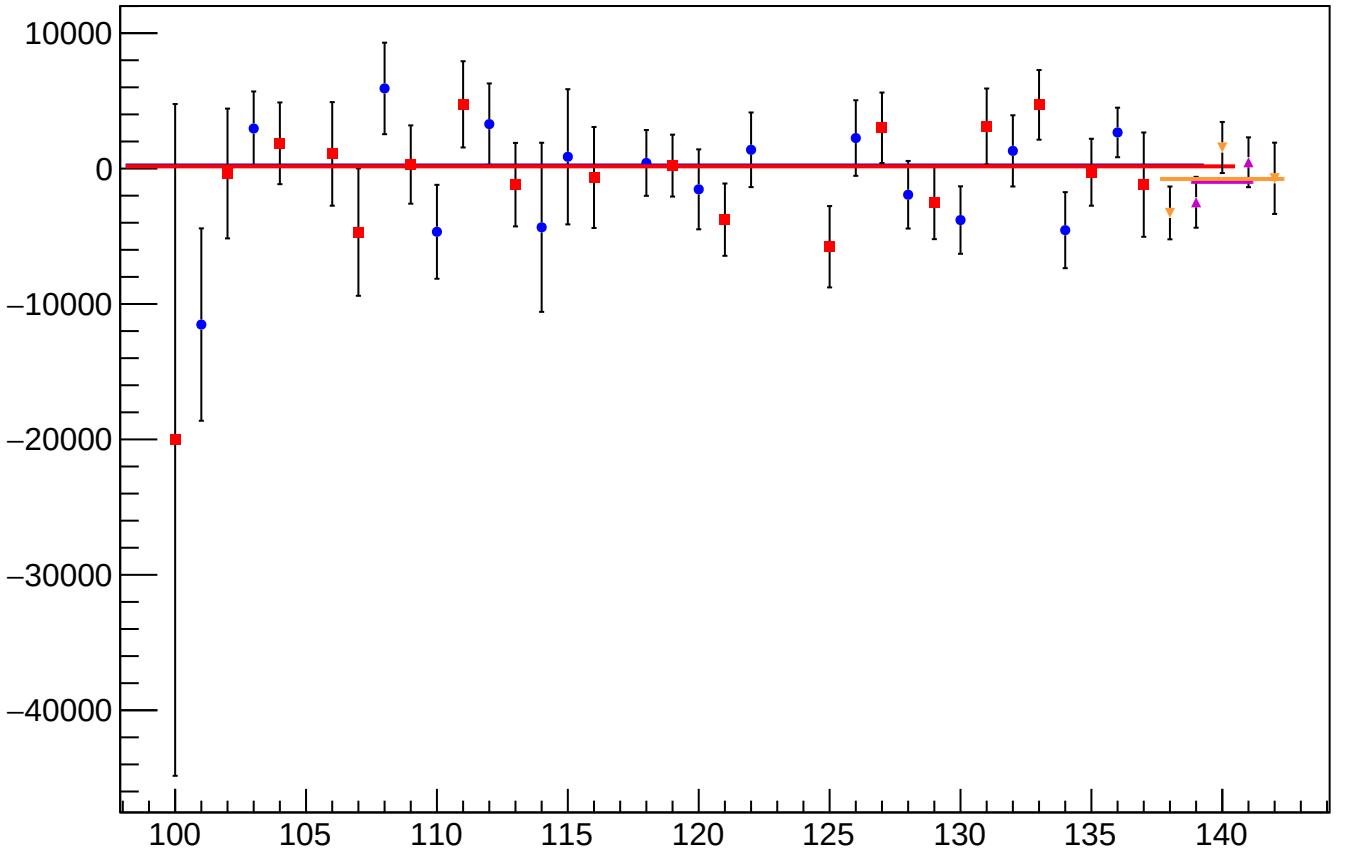
Left: 388.209+/-0.146 χ^2/NDF: 447587.6/4

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 538.155+/-0.136 χ^2/NDF:2080730.6/17

Out: 488.498+/-0.126 χ^2/NDF:3443792.3/20

All: 511.552+/-0.092 χ^2/NDF: 5596351.3/38



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -767.293+/-1205.650 χ^2/NDF:3.2/2

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -980.938+/-1314.597 χ^2/NDF:1.3/1

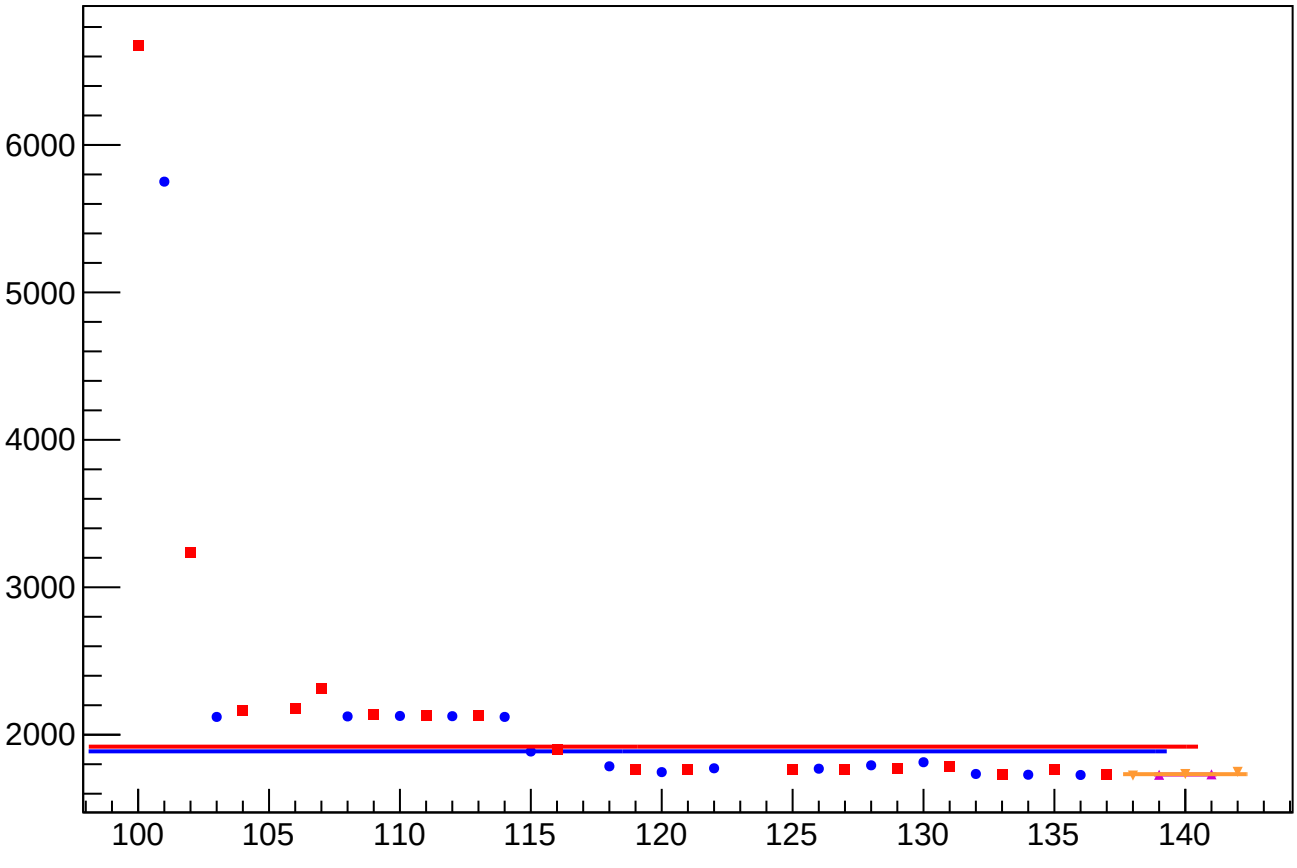
Left: -864.897+/-888.547 χ^2/NDF: 4.4/4

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -51.469+/-630.514 χ^2/NDF:21.3/17

Out: -83.937+/-621.818 χ^2/NDF:20.6/20

All: -67.929+/-442.734 χ^2/NDF: 42.0/38



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1732.479+/-0.853 χ^2/NDF:120.3/2

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1729.943+/-0.930 χ^2/NDF:3.0/1

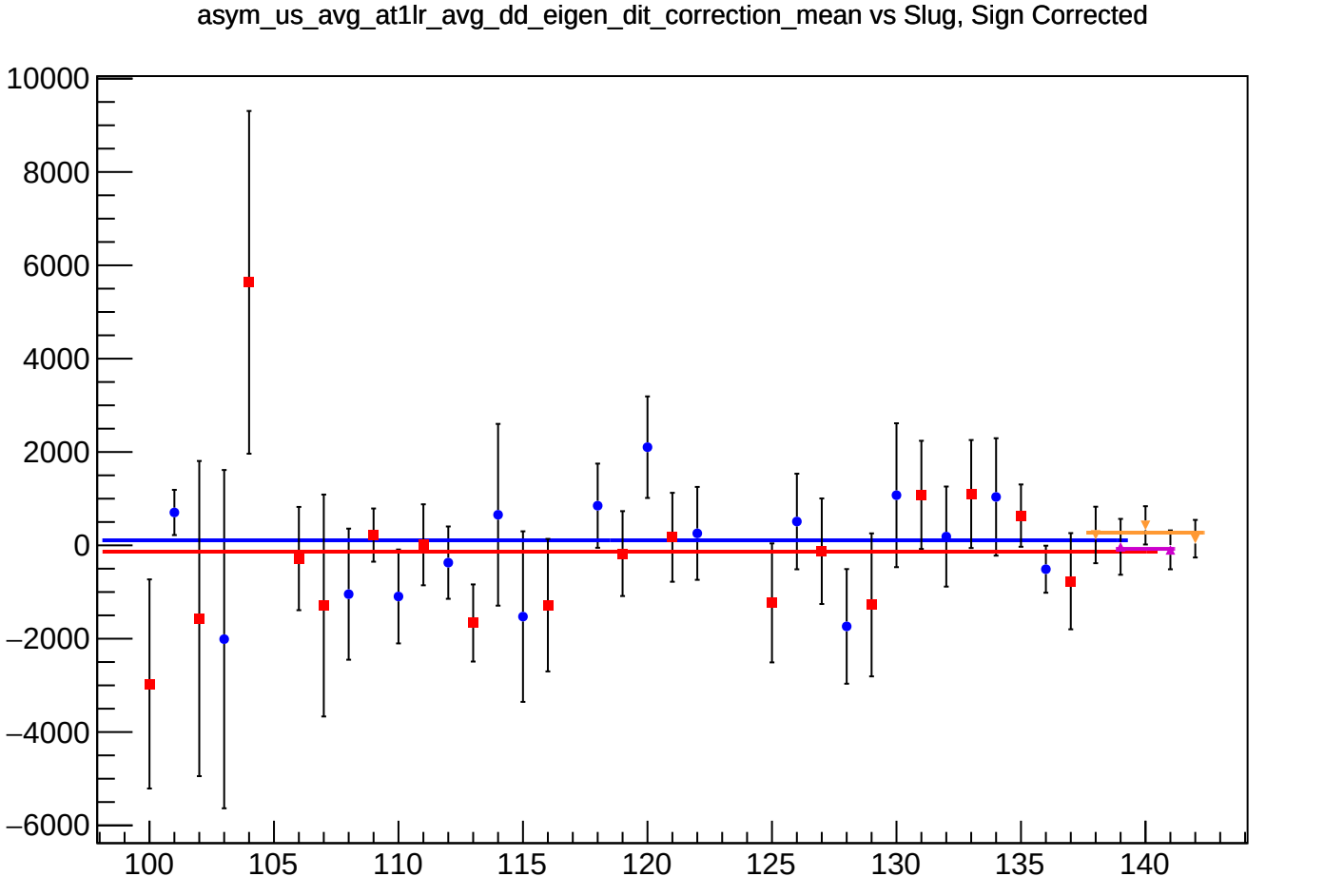
Left: 1731.321+/-0.628 χ^2/NDF: 127.4/4

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

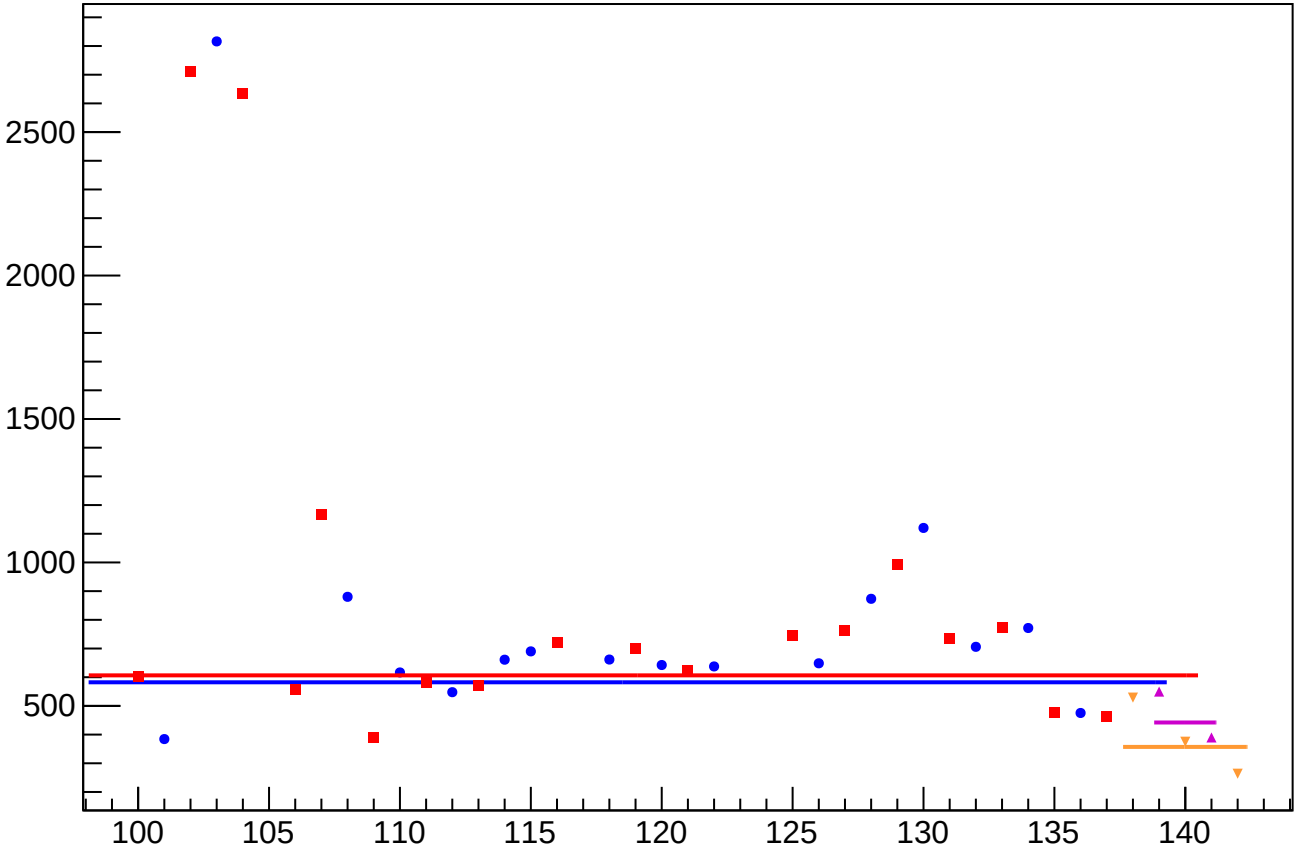
In: 1851.109+/-0.446 χ^2/NDF:711512.1/17

Out: 1869.506+/-0.440 χ^2/NDF:387883.4/20

All: 1860.435+/-0.313 χ^2/NDF: 1100258.6/38


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
105
110
115
120
125
130
135
140
Right In: 108.128+/-231.710 χ²/NDF: 14.2/15
Left Out: 271.895+/-259.603 χ²/NDF:0.3/2
Right Out: -135.356+/-245.932 χ²/NDF: 14.4/17
Left In: -75.333+/-341.771 χ²/NDF:0.0/1
Left: 144.854+/-206.728 χ²/NDF: 0.9/4
Right: -6.371+/-168.647 χ²/NDF: 29.0/33
In: 50.356+/-191.788 χ²/NDF:14.4/17
Out: 57.264+/-178.538 χ²/NDF:15.9/20
All: 54.057+/-130.679 χ²/NDF: 30.3/38

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: 357.073+/-0.184 χ^2/NDF:272719.9/2

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: 388.212+/-0.146 χ^2/NDF: 447582.2/4

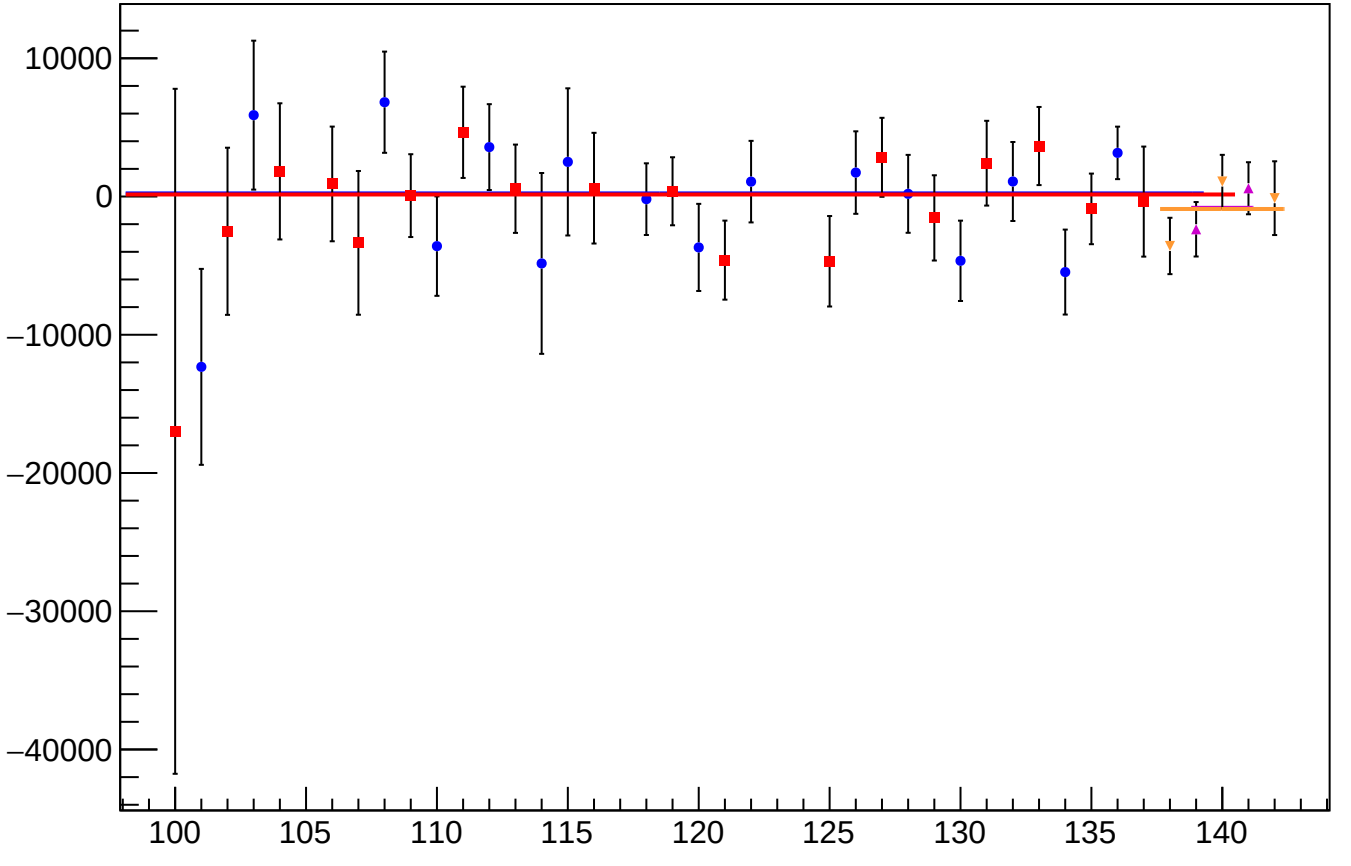
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 538.155+/-0.136 χ^2/NDF:2080709.0/17

Out: 488.499+/-0.126 χ^2/NDF:3443752.5/20

All: 511.552+/-0.092 χ^2/NDF: 5596286.9/38

asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -901.407+/-1240.682 χ^2/NDF:2.9/2

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -818.389+/-1361.333 χ^2/NDF:1.2/1

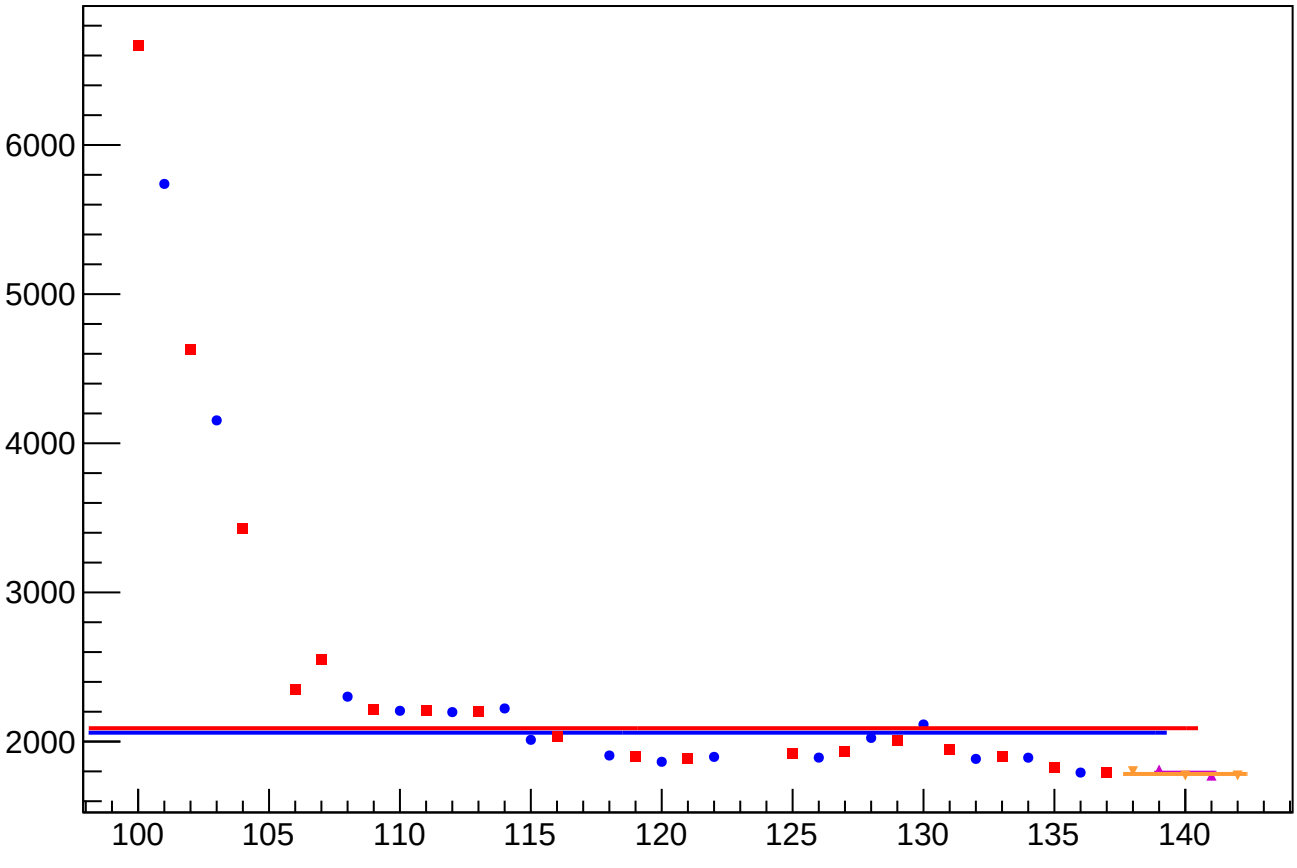
Left: -863.739+/-916.988 χ^2/NDF: 4.1/4

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -39.049+/-684.366 χ^2/NDF:22.8/17

Out: -157.032+/-668.880 χ^2/NDF:14.9/20

All: -99.390+/-478.351 χ^2/NDF: 37.8/38



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1782.752+/-0.877 χ^2/NDF:251.1/2

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: 1786.644+/-0.648 χ^2/NDF: 747.6/4

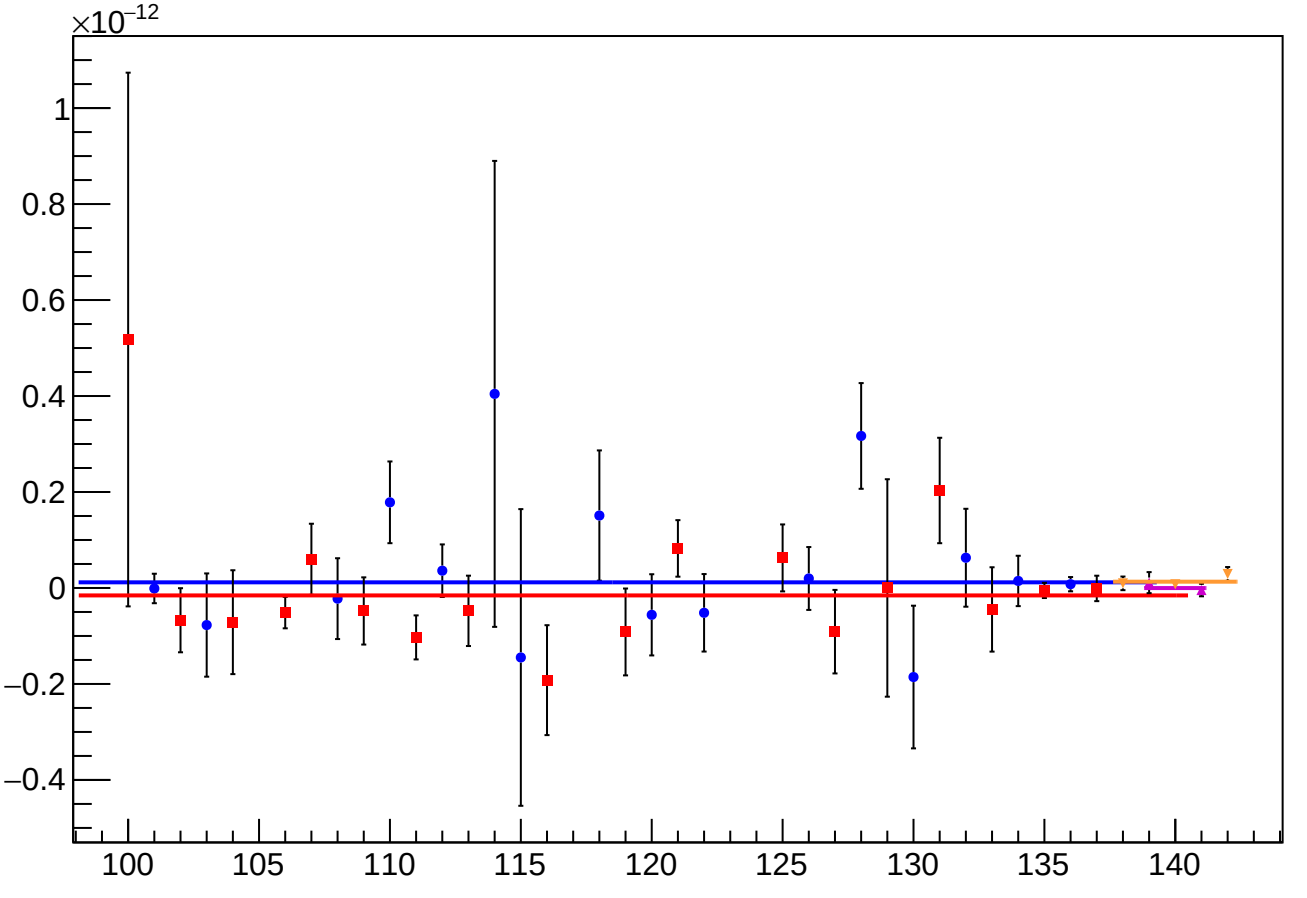
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1991.724+/-0.484 χ^2/NDF:998322.0/17

Out: 2000.326+/-0.473 χ^2/NDF:768426.1/20

All: 1996.123+/-0.338 χ^2/NDF: 1766909.8/38

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:1.6/2

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

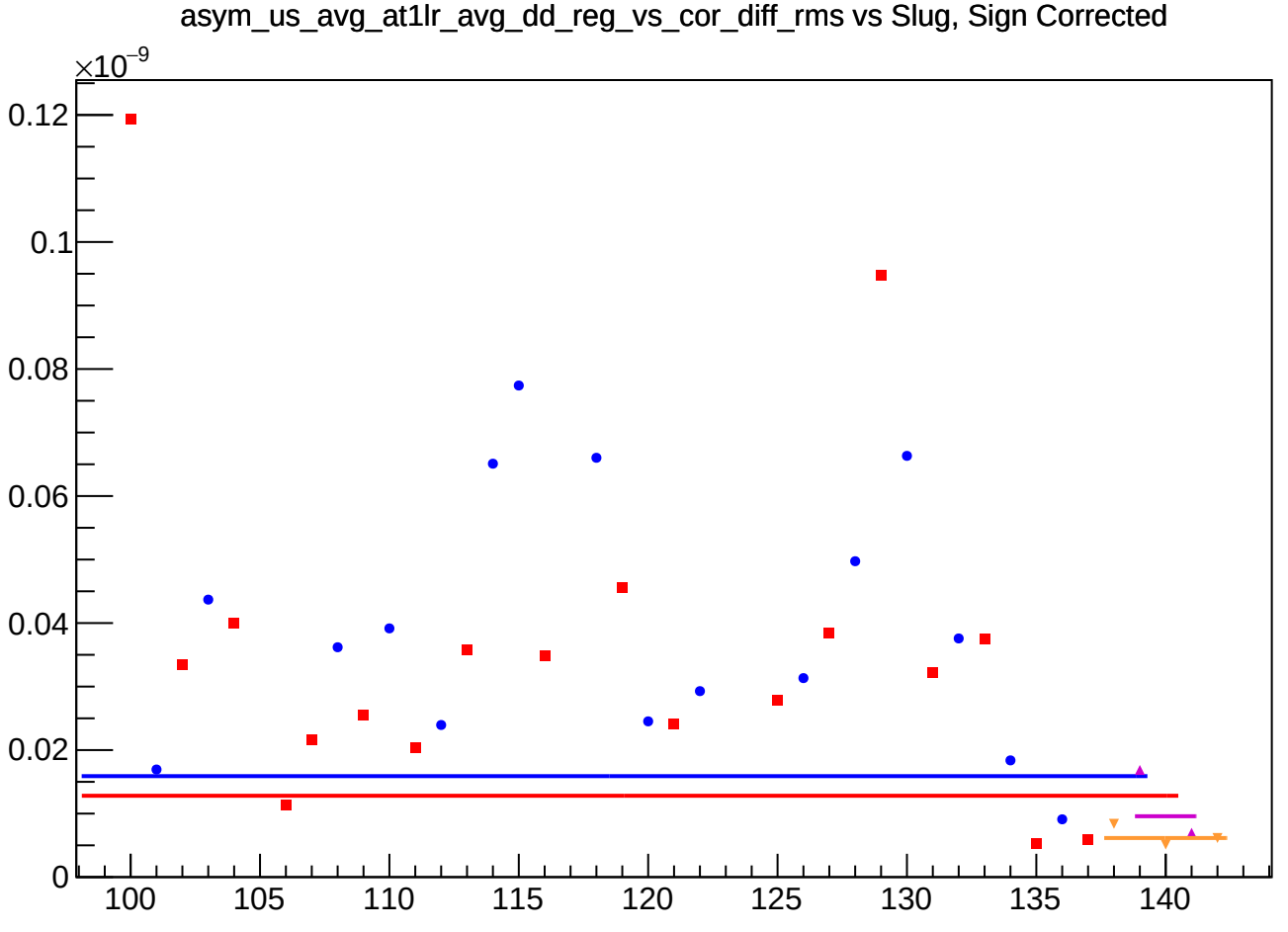
Left: 0.000+/-0.000 χ^2/NDF: 3.0/4

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:27.4/20

All: 0.000+/-0.000 χ^2/NDF: 46.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:72228.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:300562.4/1

Left: 0.000+/-0.000 χ^2/NDF: 507022.3/4

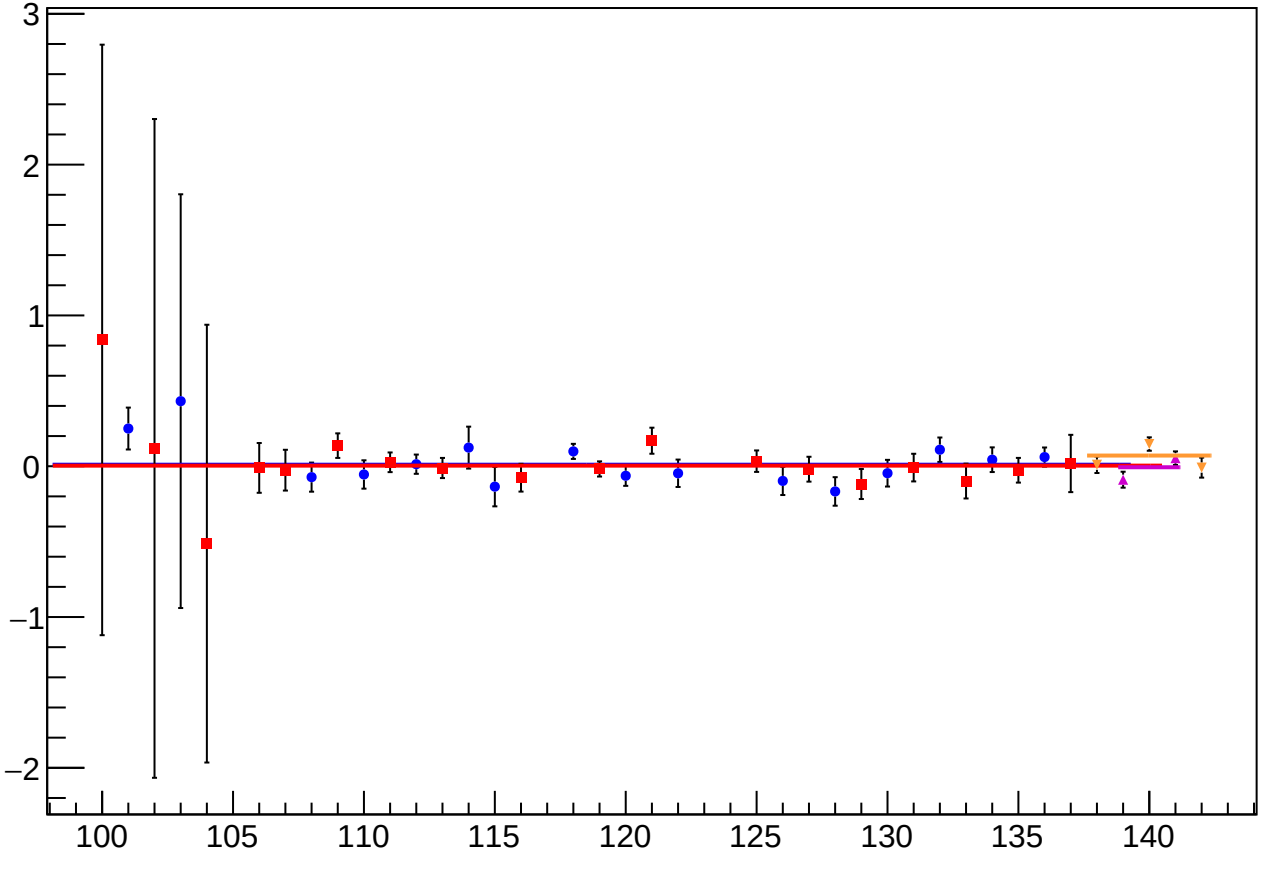
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:2542101.4/17

Out: 0.000+/-0.000 χ^2/NDF:3102596.5/20

All: 0.000+/-0.000 χ^2/NDF: 6053756.7/38

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: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.034 χ^2/NDF:4.2/1

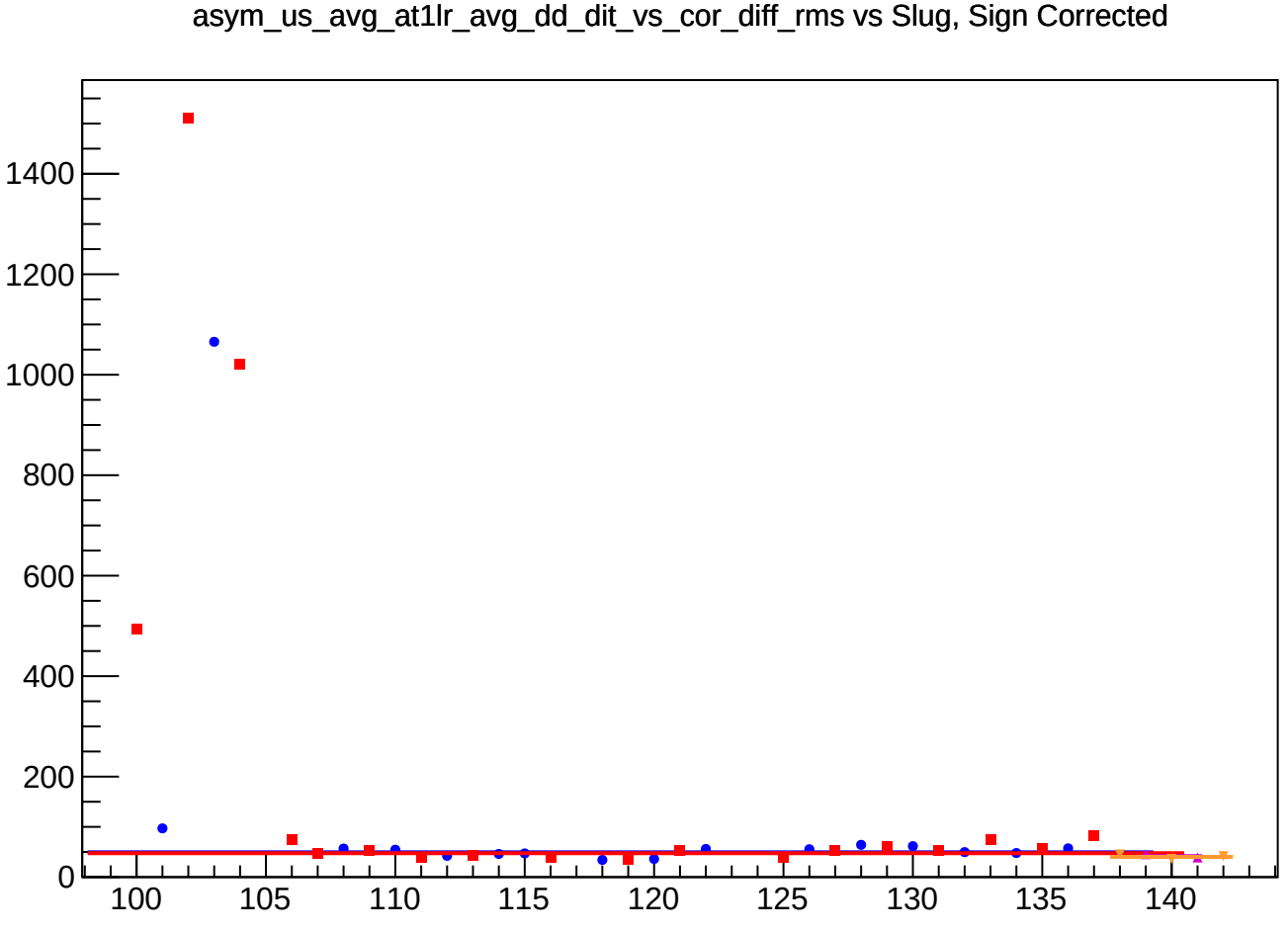
Left: 0.036+/-0.023 χ^2/NDF: 12.7/4

Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.016+/-0.013 χ^2/NDF: 42.8/38



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.267+/-0.022 χ^2/NDF:33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.815+/-0.024 χ^2/NDF:17743.2/1

Left: 40.954+/-0.016 χ^2/NDF: 53103.1/4

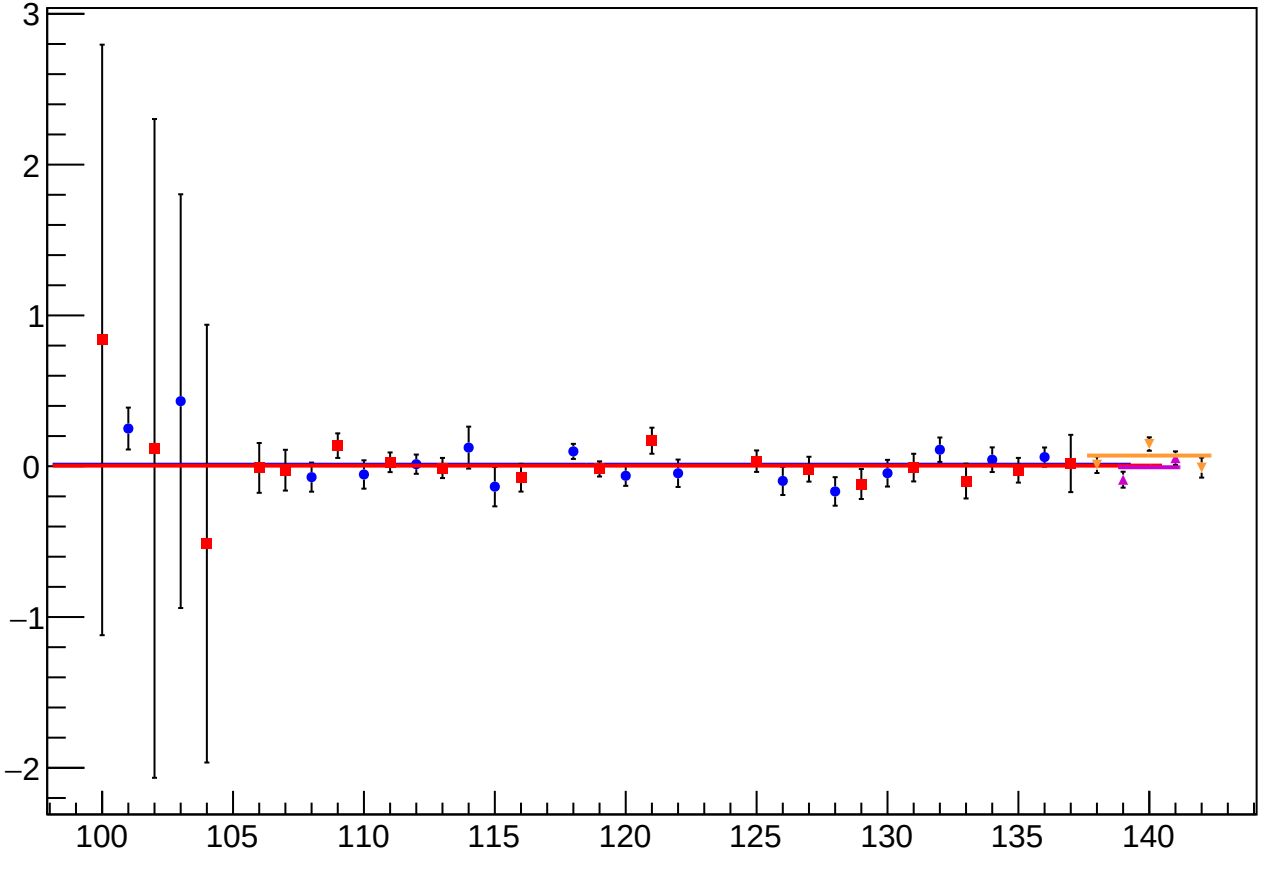
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.292+/-0.013 χ^2/NDF:1864612.0/17

Out: 45.184+/-0.012 χ^2/NDF:2528010.6/20

All: 46.221+/-0.009 χ^2/NDF: 4406737.9/38

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: 0.071+/-0.031 χ^2/NDF:5.6/2

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: 0.036+/-0.023 χ^2/NDF: 12.7/4

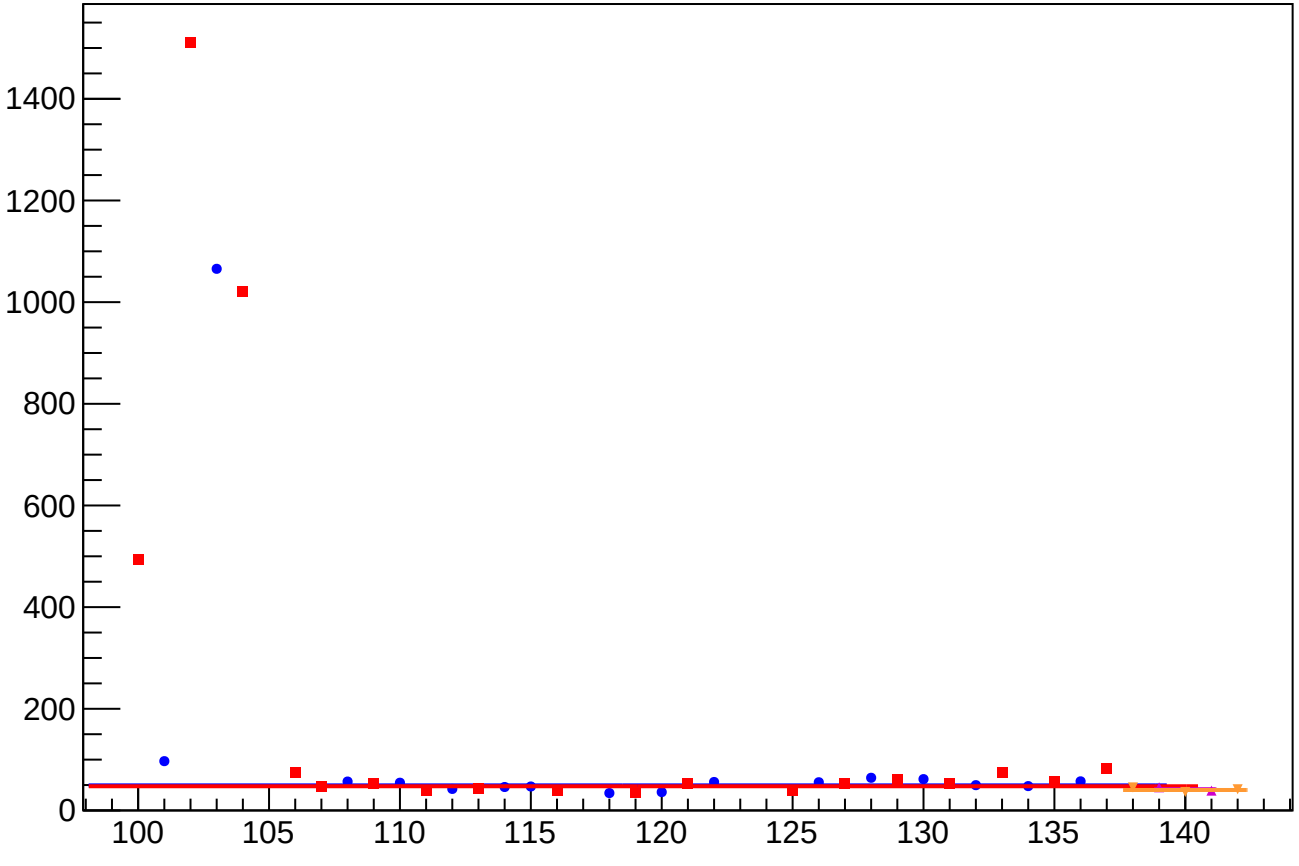
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.016+/-0.013 χ^2/NDF: 42.8/38

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: 40.267+/-0.022 χ^2/NDF:33098.0/2

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.815+/-0.024 χ^2/NDF:17743.2/1

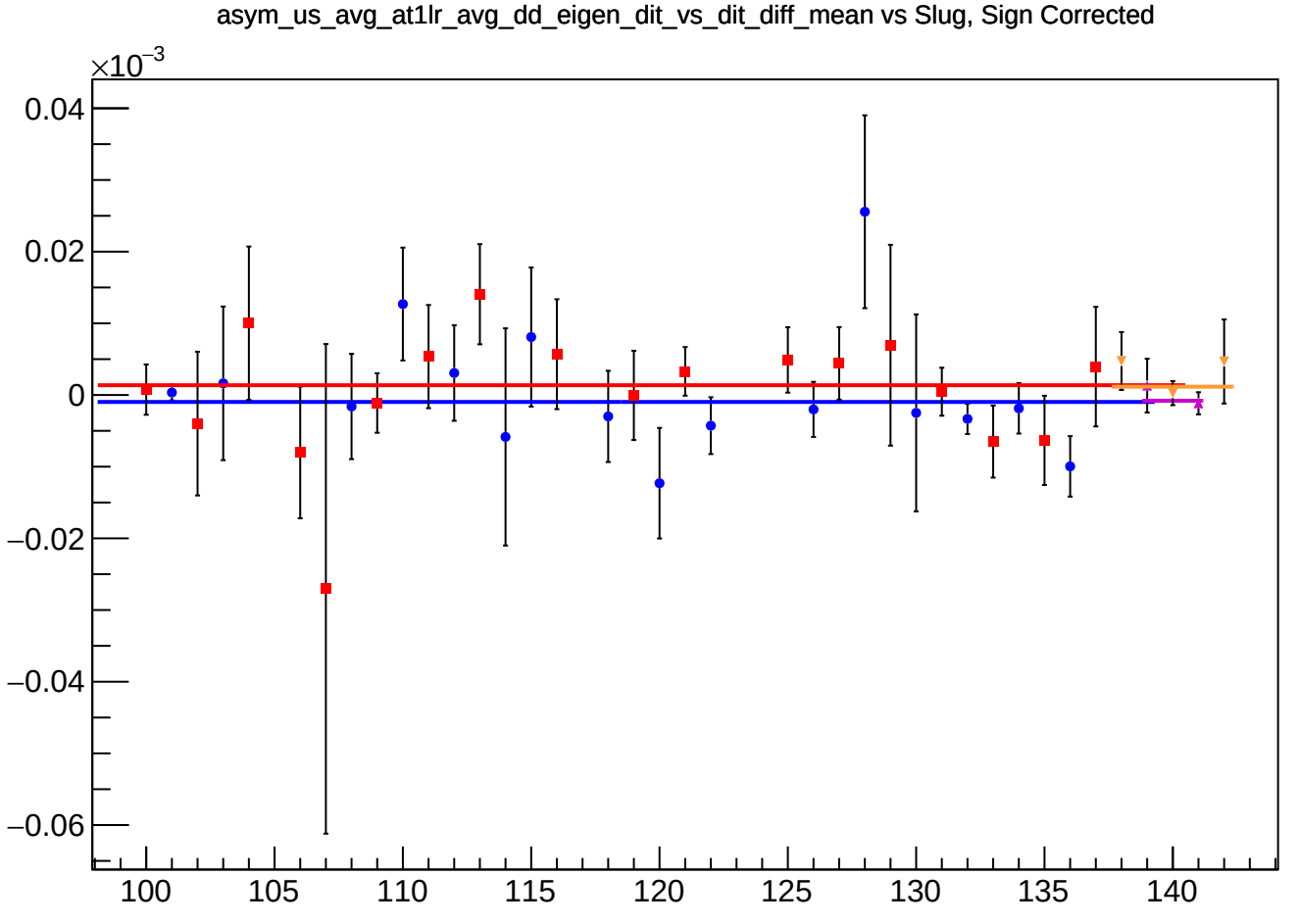
Left: 40.954+/-0.016 χ^2/NDF: 53103.1/4

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 47.292+/-0.013 χ^2/NDF:1864612.0/17

Out: 45.184+/-0.012 χ^2/NDF:2528010.6/20

All: 46.221+/-0.009 χ^2/NDF: 4406737.9/38



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/2

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: 2.7/4

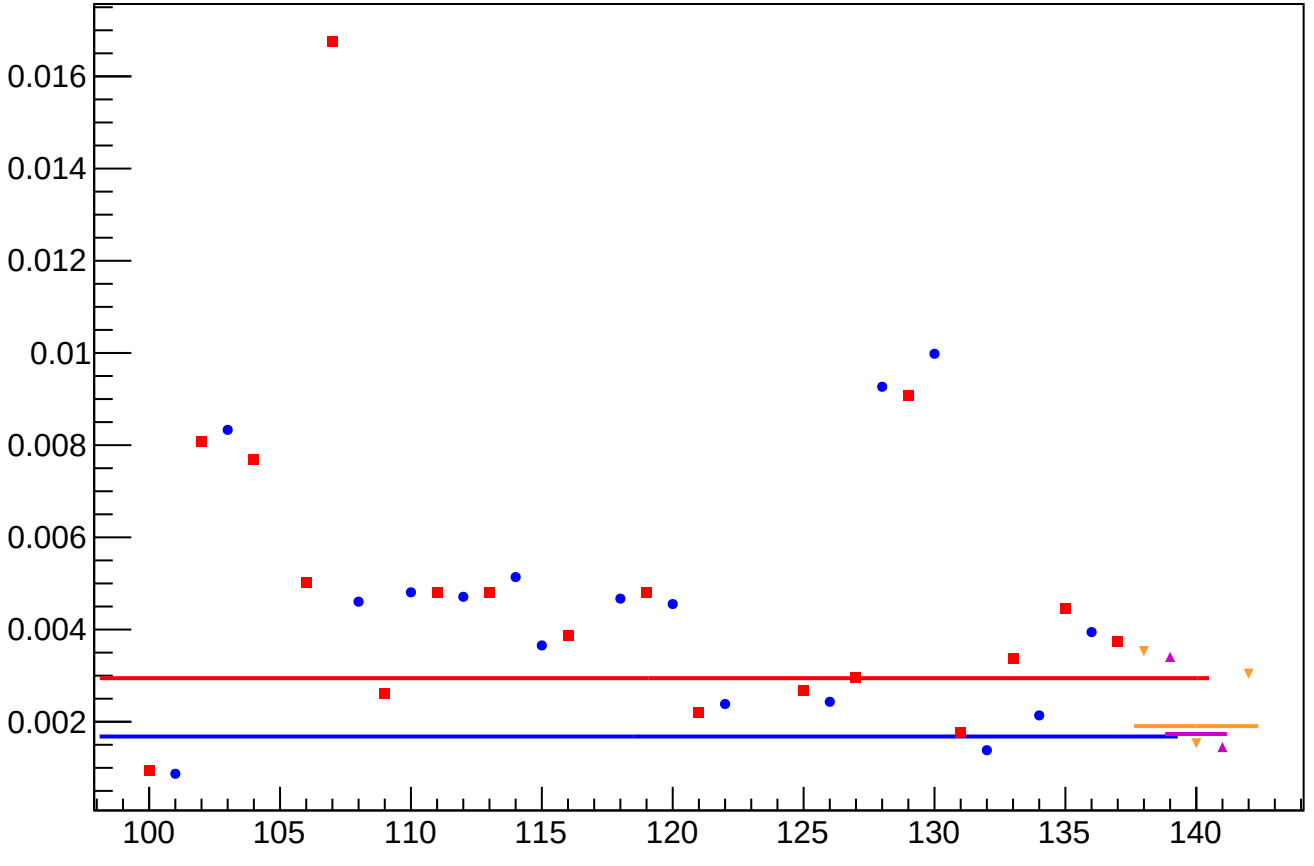
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:19.0/17

Out: 0.000+/-0.000 χ^2/NDF:14.1/20

All: -0.000+/-0.000 χ^2/NDF: 36.4/38

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:497555.6/2

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: 976864.0/4

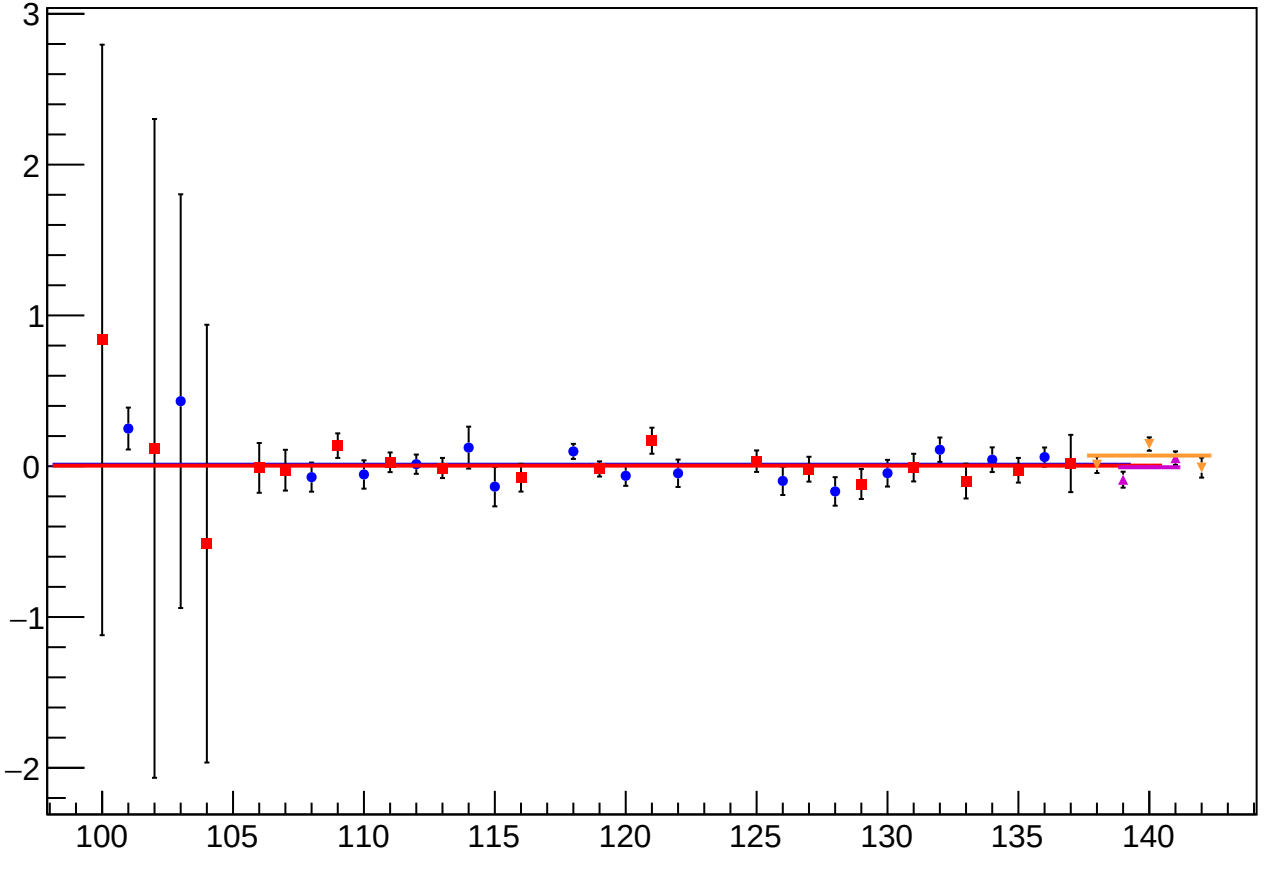
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:6428112.7/17

Out: 0.003+/-0.000 χ^2/NDF:4431509.9/20

All: 0.002+/-0.000 χ^2/NDF: 11749744.6/38

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: 0.071+/-0.031 χ^2/NDF:5.6/2

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: 0.036+/-0.023 χ^2/NDF: 12.7/4

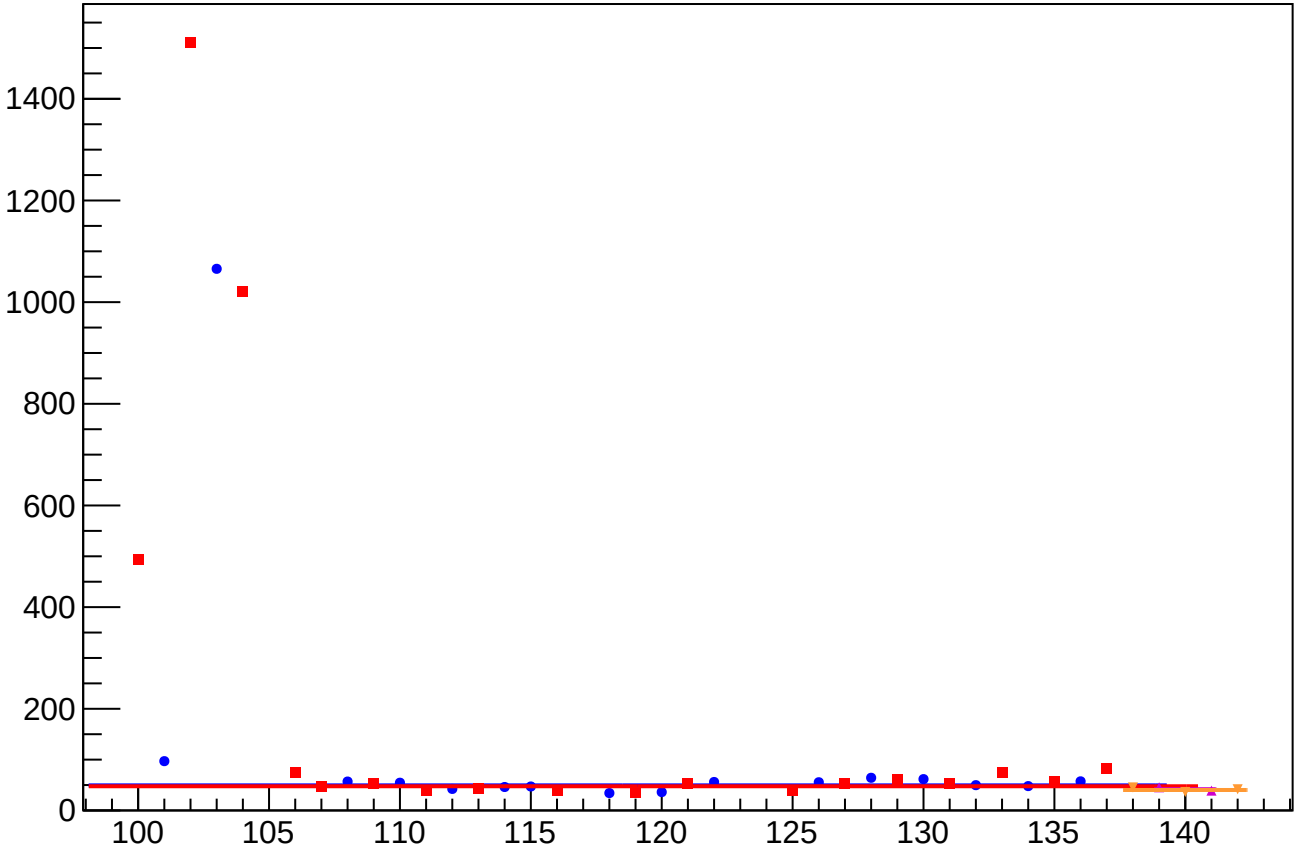
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.016+/-0.013 χ^2/NDF: 42.8/38

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: 40.267+/-0.022 χ^2/NDF:33105.8/2

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.814+/-0.024 χ^2/NDF:17742.4/1

Left: 40.954+/-0.016 χ^2/NDF: 53108.2/4

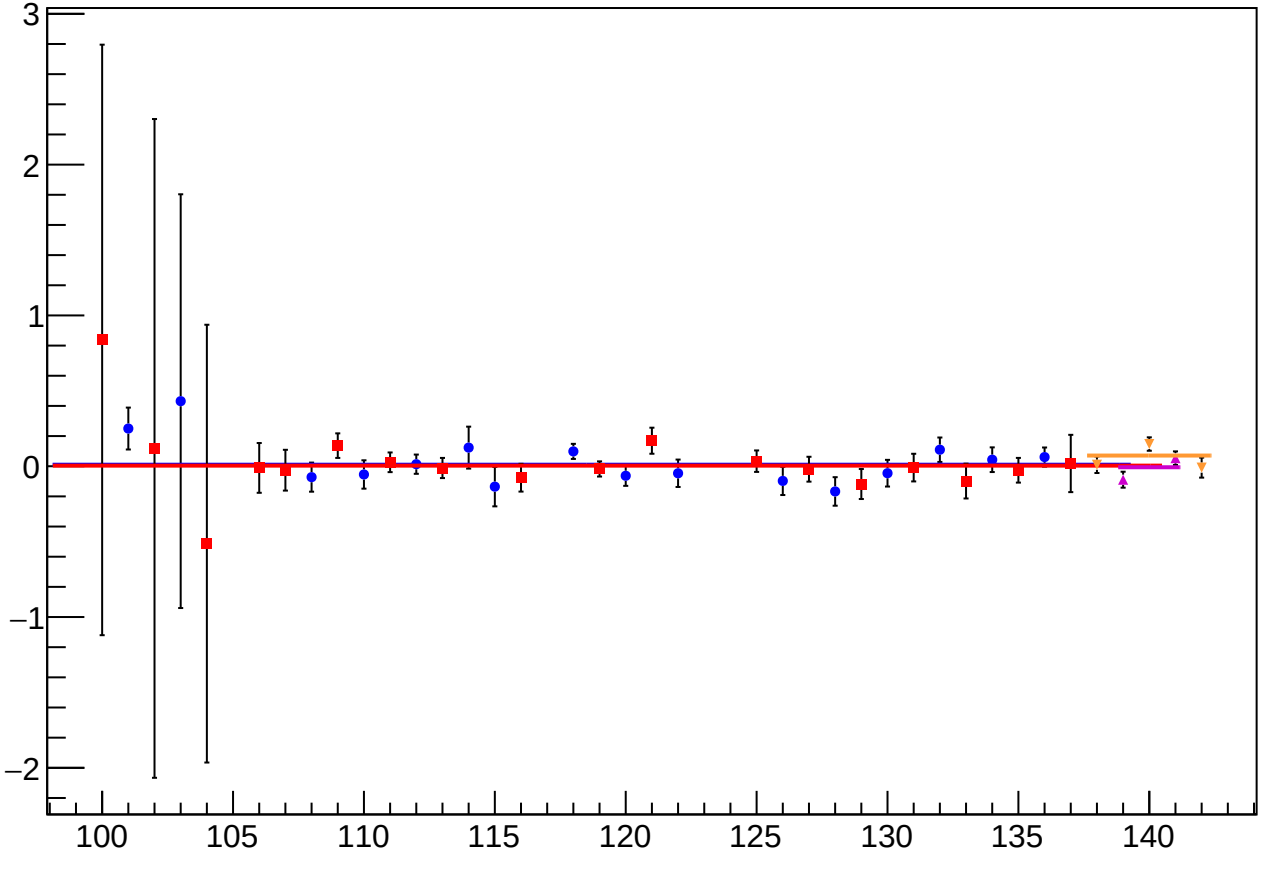
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.292+/-0.013 χ^2/NDF:1864556.0/17

Out: 45.184+/-0.012 χ^2/NDF:2528031.4/20

All: 46.221+/-0.009 χ^2/NDF: 4406710.4/38

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: 0.071+/-0.031 χ^2/NDF:5.6/2

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.007+/-0.034 χ^2/NDF:4.2/1

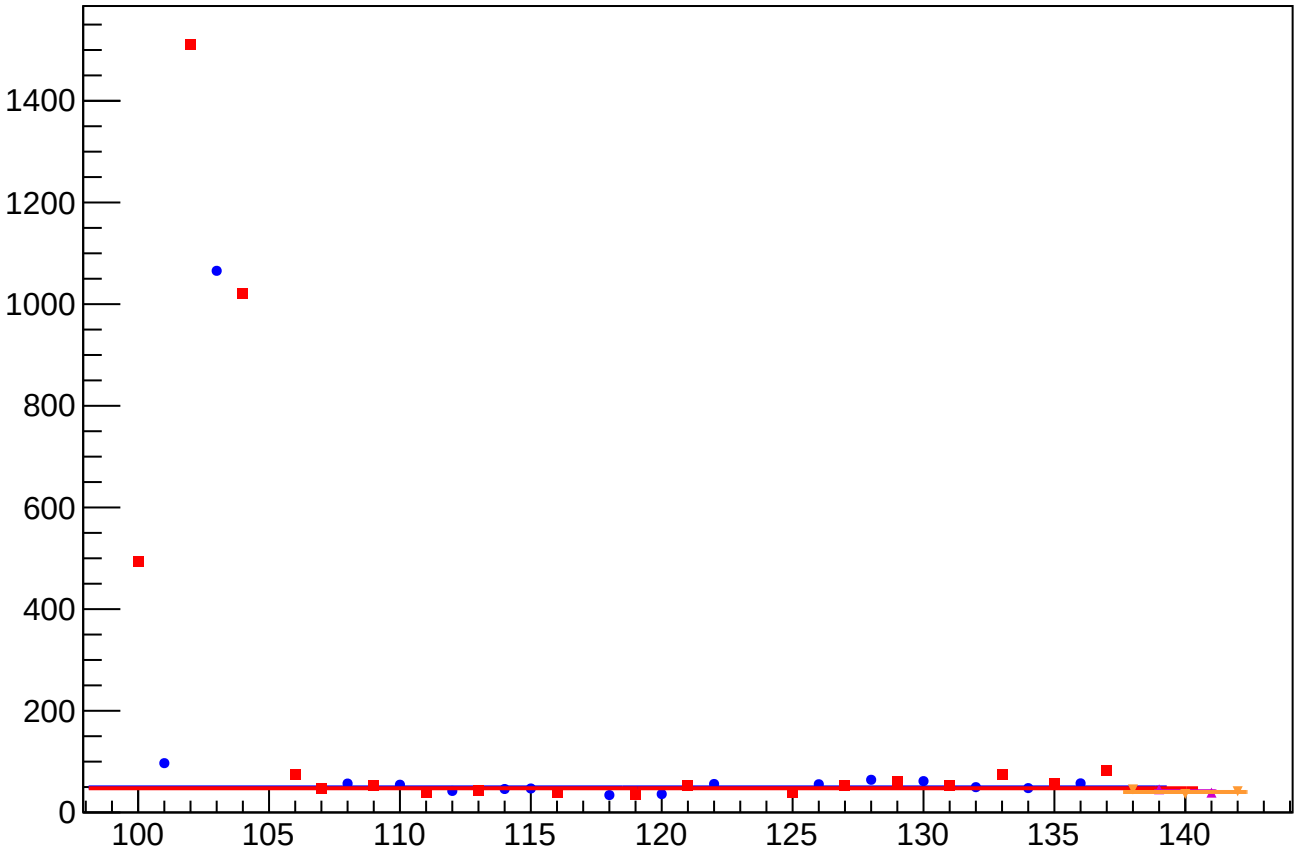
Left: 0.036+/-0.023 χ^2/NDF: 12.7/4

Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.018 χ^2/NDF:22.8/17

Out: 0.026+/-0.018 χ^2/NDF:19.3/20

All: 0.016+/-0.013 χ^2/NDF: 42.8/38



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 40.267+/-0.022 χ^2/NDF:33105.8/2

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.814+/-0.024 χ^2/NDF:17742.4/1

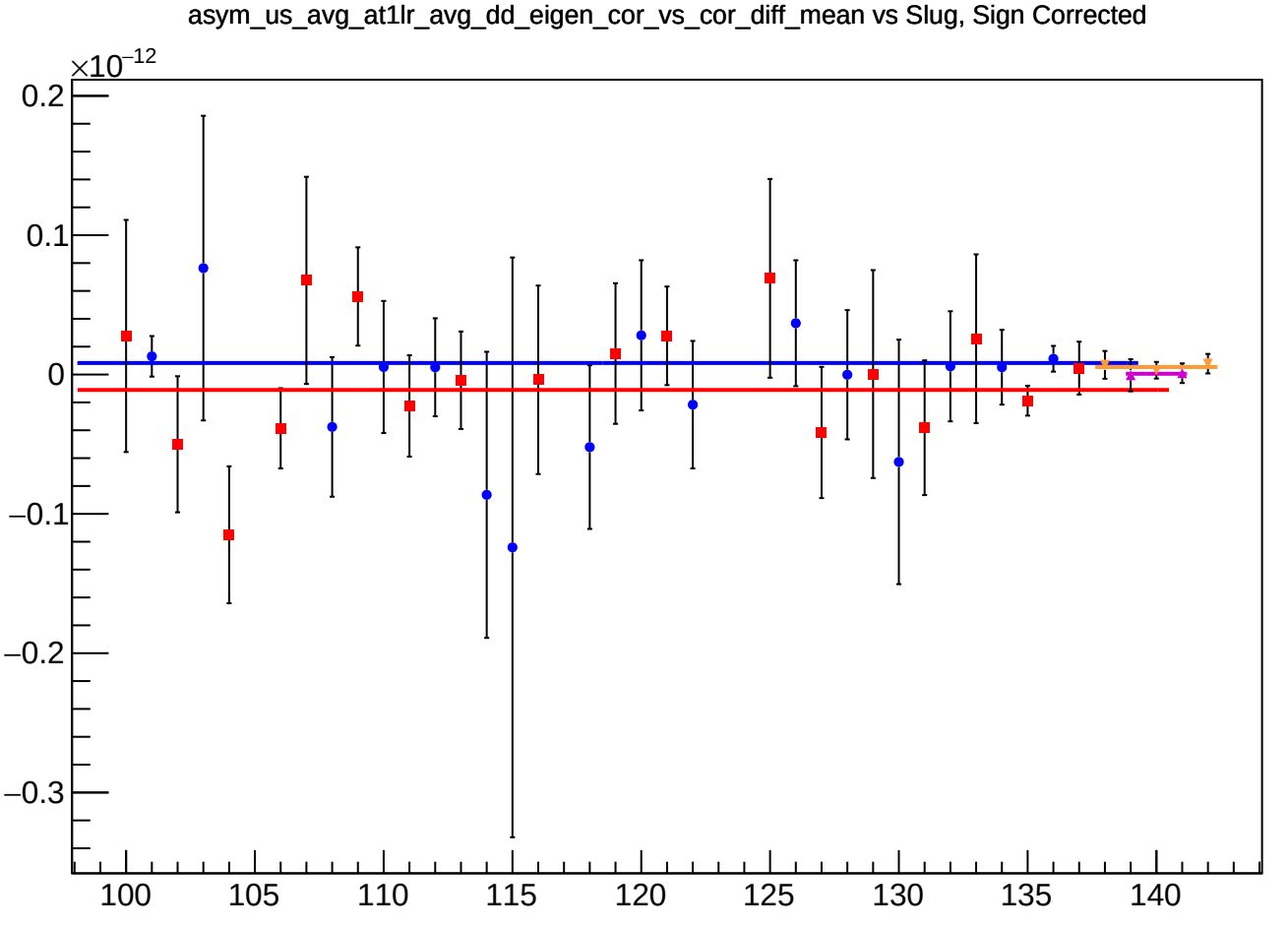
Left: 40.954+/-0.016 χ^2/NDF: 53108.2/4

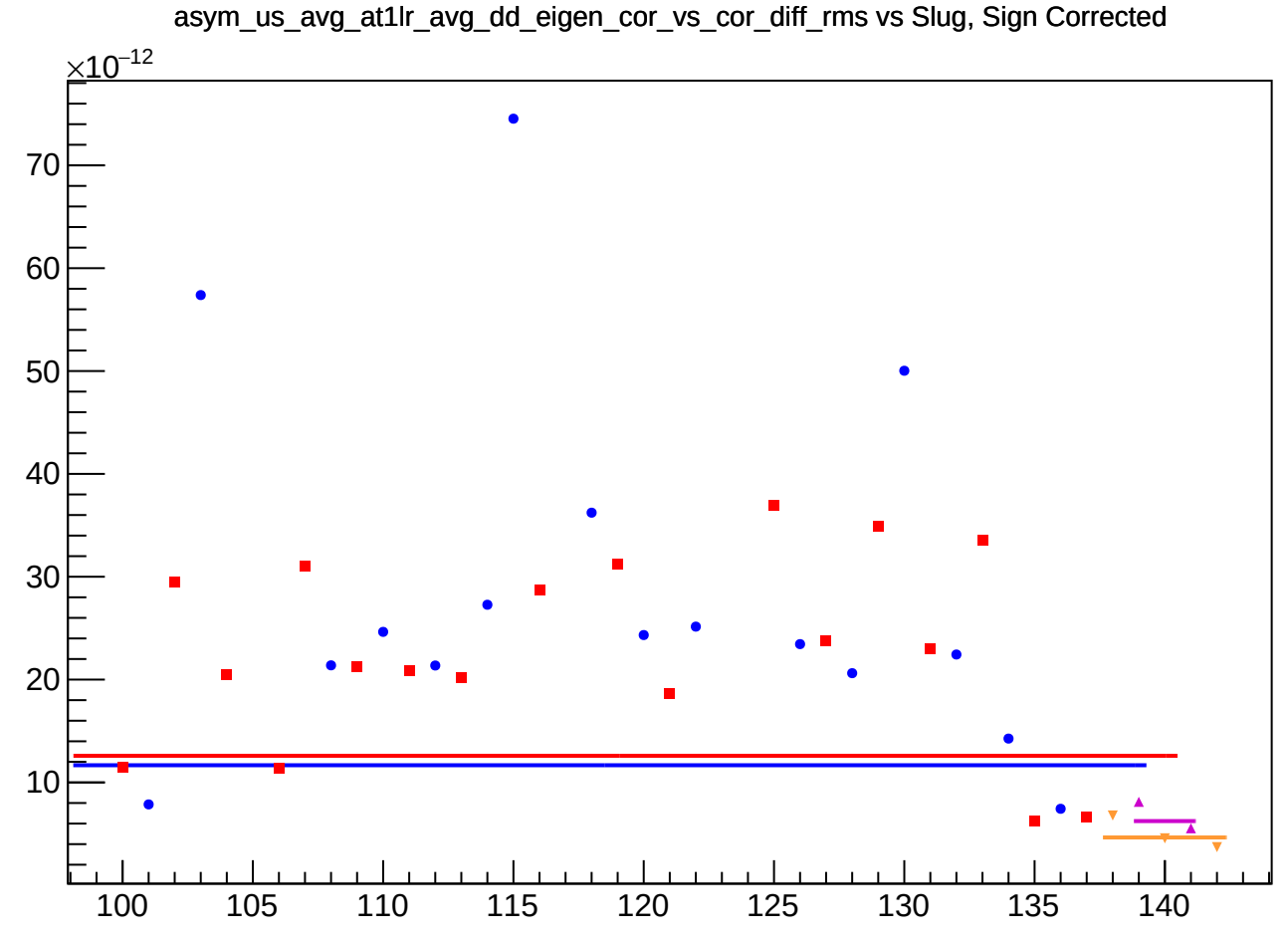
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 47.292+/-0.013 χ^2/NDF:1864556.0/17

Out: 45.184+/-0.012 χ^2/NDF:2528031.4/20

All: 46.221+/-0.009 χ^2/NDF: 4406710.4/38


asym_us_avg_at1lr_avg_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: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/2
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:0.0/1
Left: 0.000+/-0.000 χ²/NDF: 0.7/4
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: 0.000+/-0.000 χ²/NDF:6.2/17
Out: 0.000+/-0.000 χ²/NDF:20.4/20
All: 0.000+/-0.000 χ²/NDF: 26.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:128617.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:72456.4/1

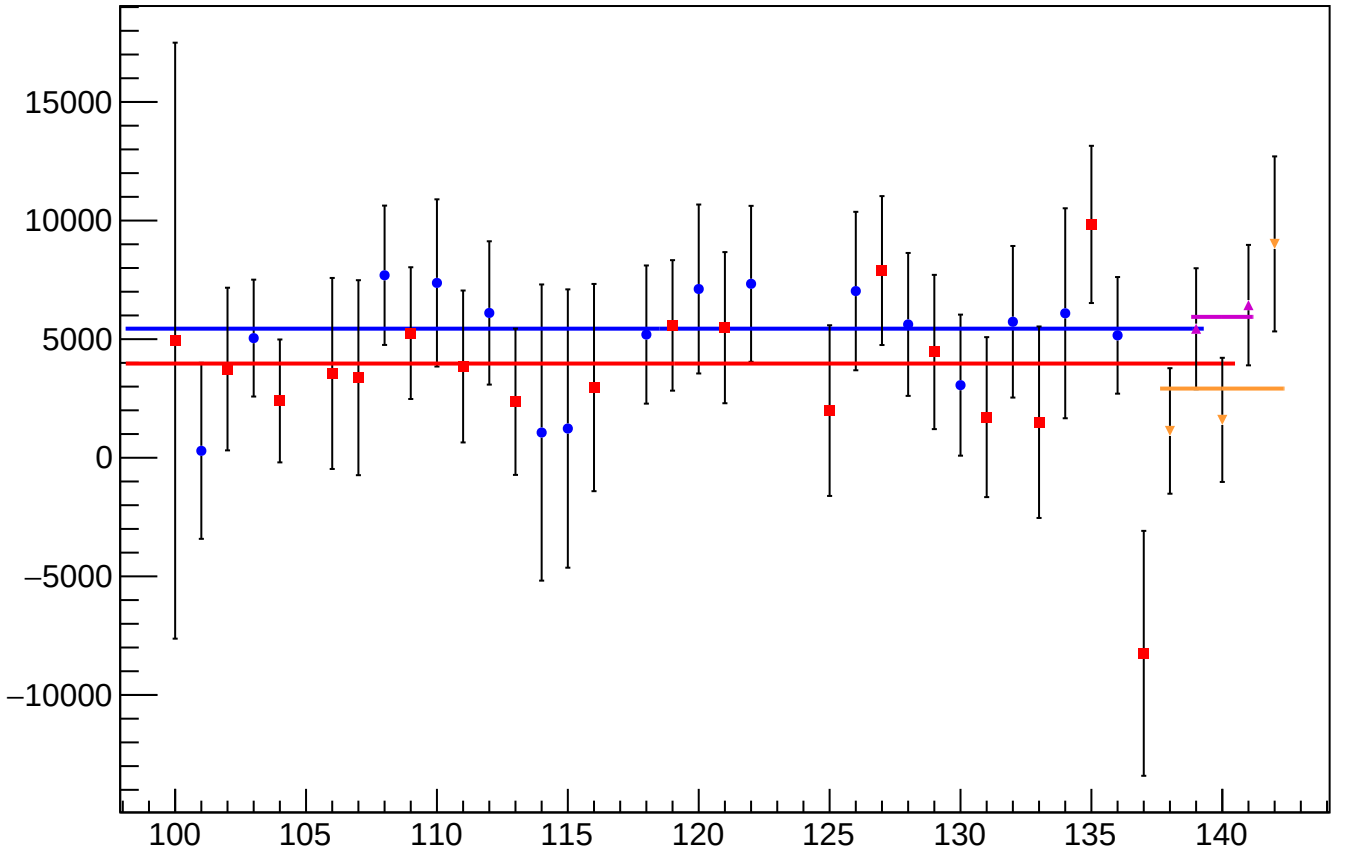
Left: 0.000+/-0.000 χ^2/NDF: 296512.9/4

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:4872056.9/20

All: 0.000+/-0.000 χ^2/NDF: 8843001.8/38



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2917.048+/-1661.288 χ^2/NDF:3.4/2

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5939.791+/-1799.067 χ^2/NDF:0.1/1

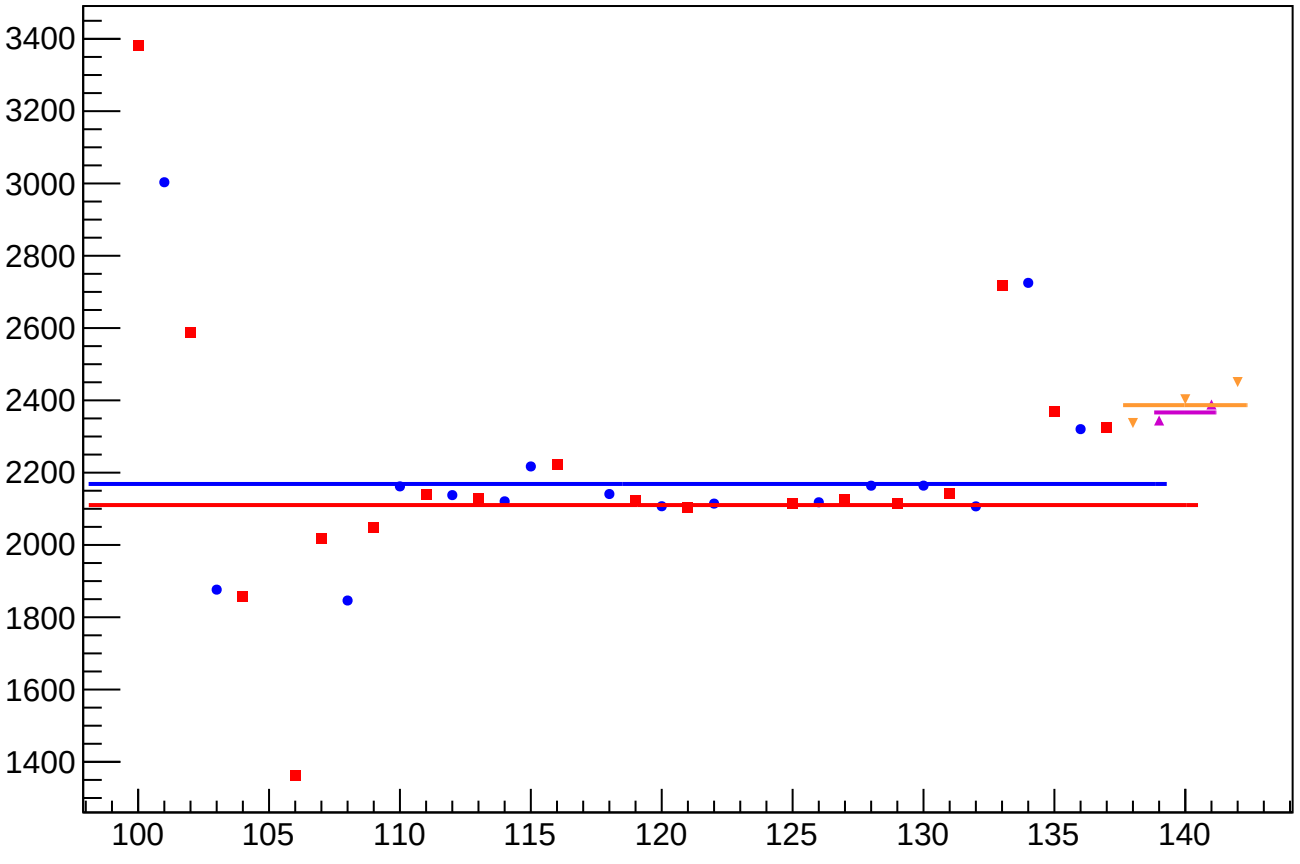
Left: 4308.255+/-1220.514 χ^2/NDF: 5.0/4

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5526.616+/-740.511 χ^2/NDF:5.5/17

Out: 3769.553+/-727.359 χ^2/NDF:16.7/20

All: 4632.342+/-518.908 χ^2/NDF: 25.1/38



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2386.741+/-1.175 χ^2/NDF:1373.8/2

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: 2377.447+/-0.863 χ^2/NDF: 1811.5/4

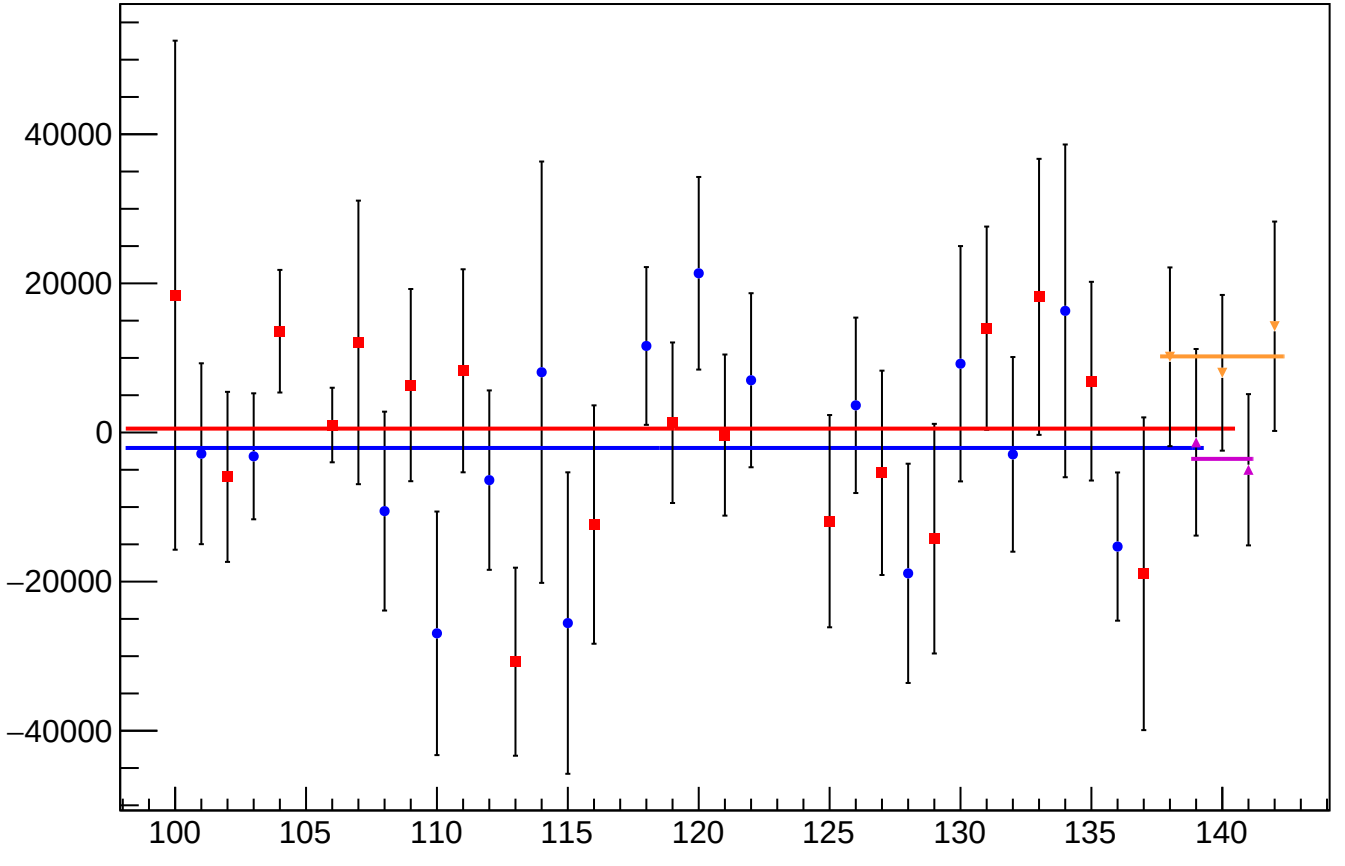
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2202.232+/-0.524 χ^2/NDF:216047.6/17

Out: 2161.987+/-0.508 χ^2/NDF:313801.4/20

All: 2181.488+/-0.364 χ^2/NDF: 532894.0/38

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: 10204.811+/-6867.467 χ^2/NDF:0.1/2

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -3537.266+/-7880.111 χ^2/NDF:0.1/1

Left: 4272.946+/-5177.282 χ^2/NDF: 1.9/4

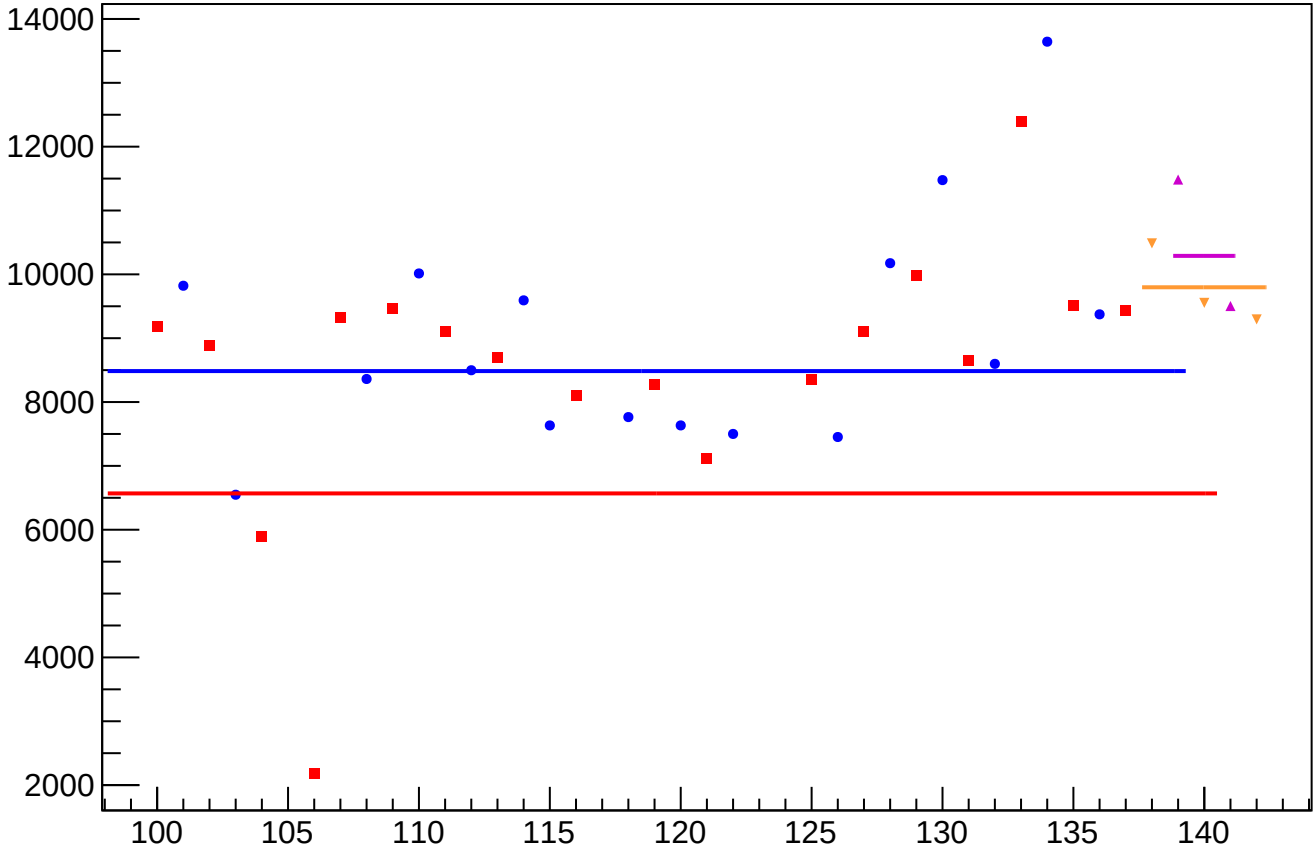
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -2283.209+/-2974.473 χ^2/NDF:14.5/17

Out: 1830.835+/-2525.321 χ^2/NDF:17.5/20

All: 107.569+/-1925.093 χ^2/NDF: 33.1/38

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: 9797.461+/-4.856 χ^2/NDF:10250.6/2

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10289.491+/-5.572 χ^2/NDF:30246.4/1

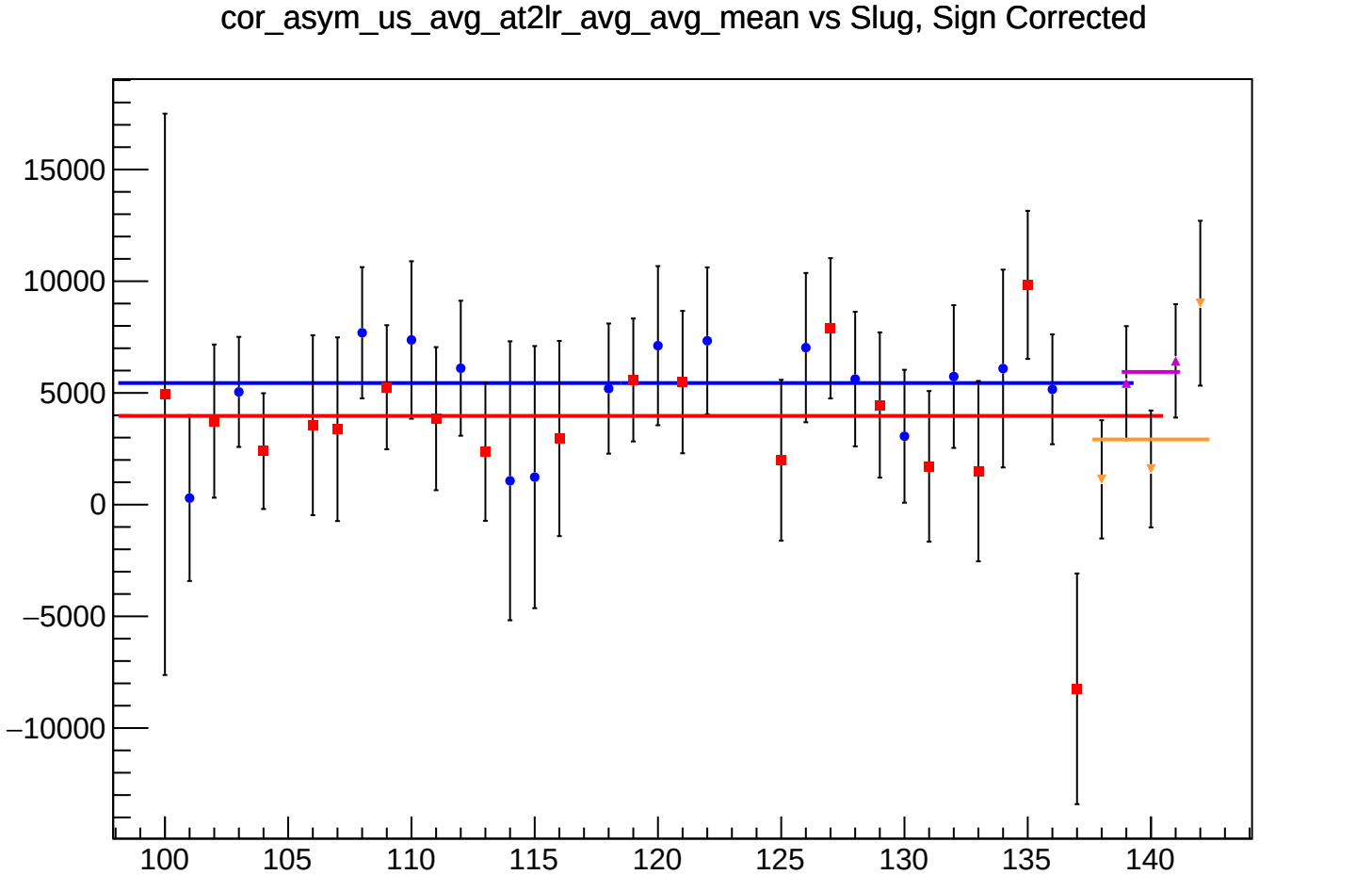
Left: 10009.849+/-3.661 χ^2/NDF: 44928.5/4

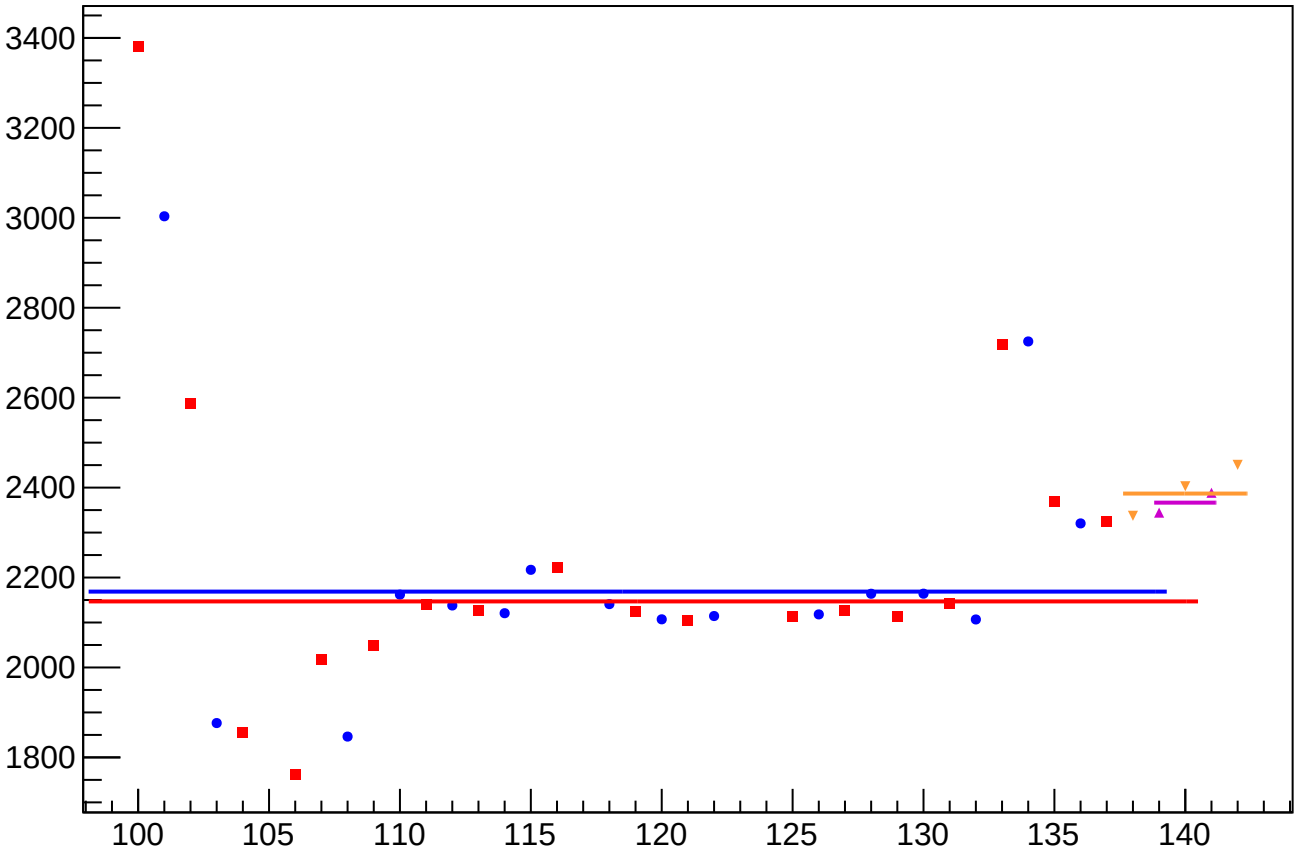
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8742.105+/-2.103 χ^2/NDF:542885.4/17

Out: 7005.301+/-1.786 χ^2/NDF:2961443.9/20

All: 7732.803+/-1.361 χ^2/NDF: 3900590.5/38


cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2917.078+/-1661.288 χ²/NDF:3.4/2
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5939.911+/-1799.067 χ²/NDF:0.1/1
Left: 4308.326+/-1220.514 χ²/NDF: 5.0/4
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5526.754+/-740.511 χ²/NDF:5.5/17
Out: 3769.350+/-727.359 χ²/NDF:16.7/20
All: 4632.307+/-518.908 χ²/NDF: 25.1/38



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2386.742+/-1.175 χ^2/NDF:1373.8/2

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

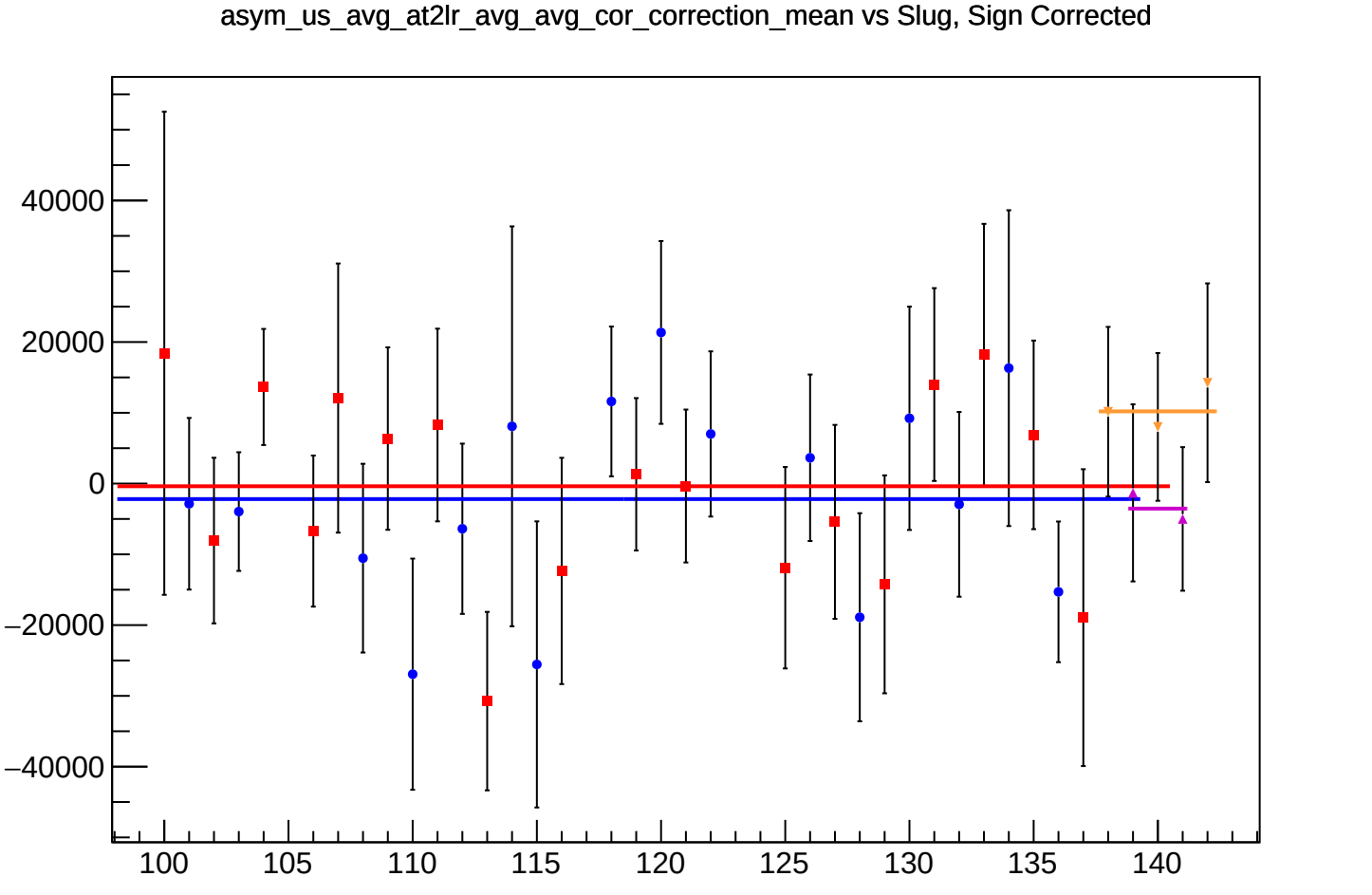
Left: 2377.447+/-0.863 χ^2/NDF: 1811.5/4

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2202.232+/-0.524 χ^2/NDF:216048.0/17

Out: 2192.497+/-0.512 χ^2/NDF:192887.0/20

All: 2197.258+/-0.366 χ^2/NDF: 409111.6/38



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 10204.876+/-6867.456 χ^2/NDF:0.1/2

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -3537.347+/-7880.101 χ^2/NDF:0.1/1

Left: 4272.949+/-5177.274 χ^2/NDF: 1.9/4

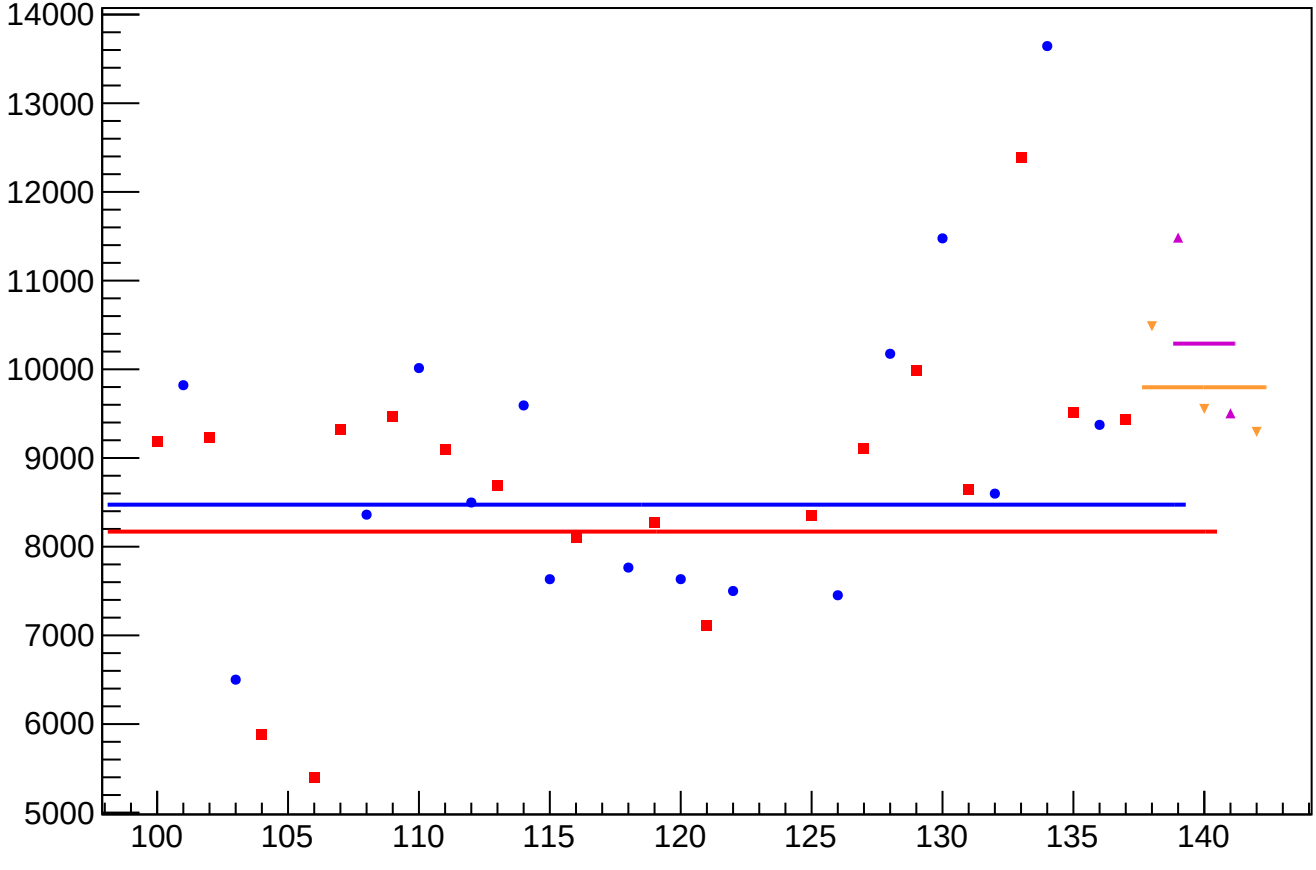
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2380.967+/-2971.638 χ^2/NDF:14.5/17

Out: 1412.331+/-2825.434 χ^2/NDF:18.4/20

All: -388.711+/-2047.620 χ^2/NDF: 33.8/38

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: 9797.445+/-4.856 χ^2/NDF:10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10289.476+/-5.572 χ^2/NDF:30246.8/1

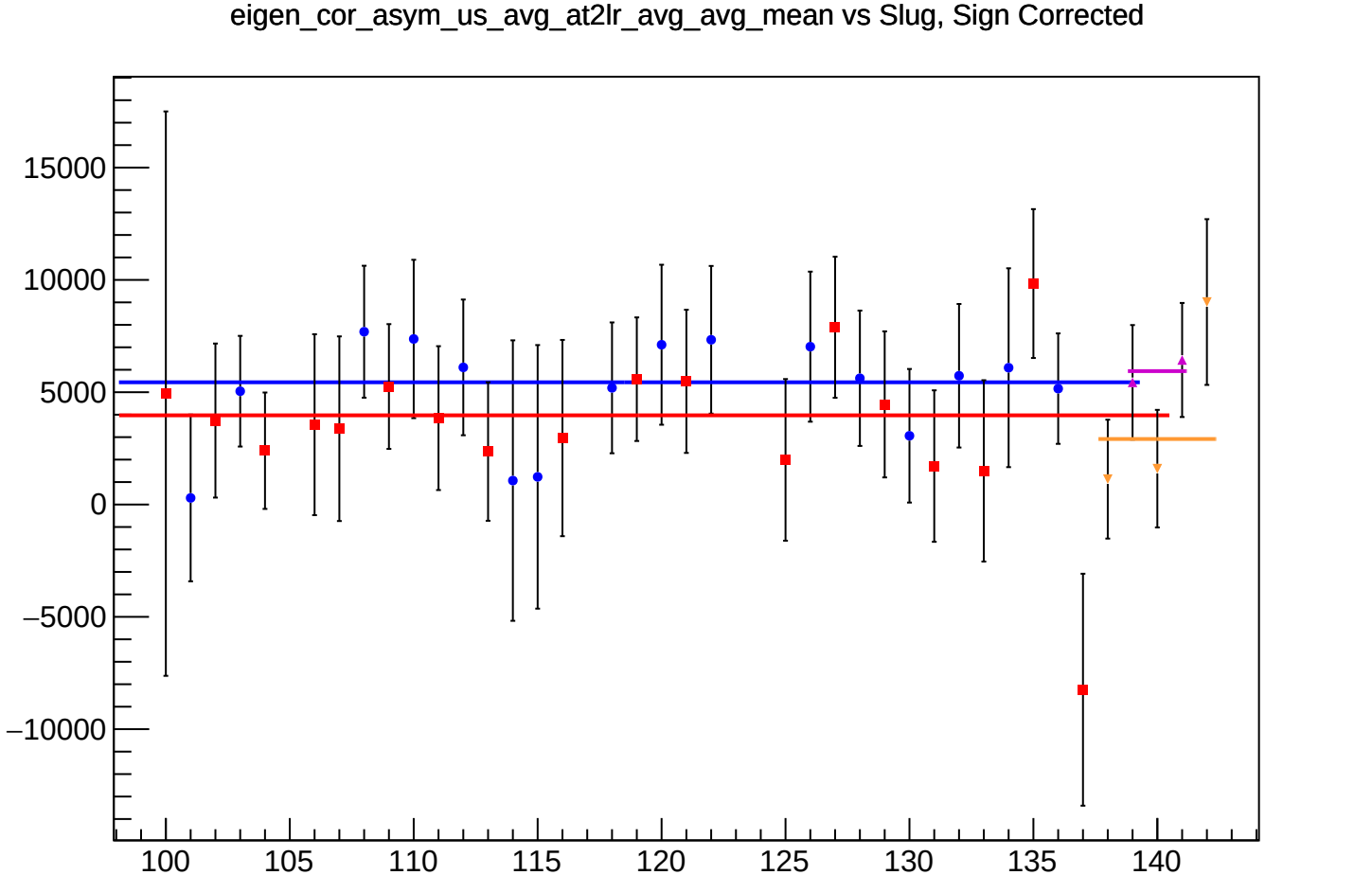
Left: 10009.834+/-3.661 χ^2/NDF: 44929.4/4

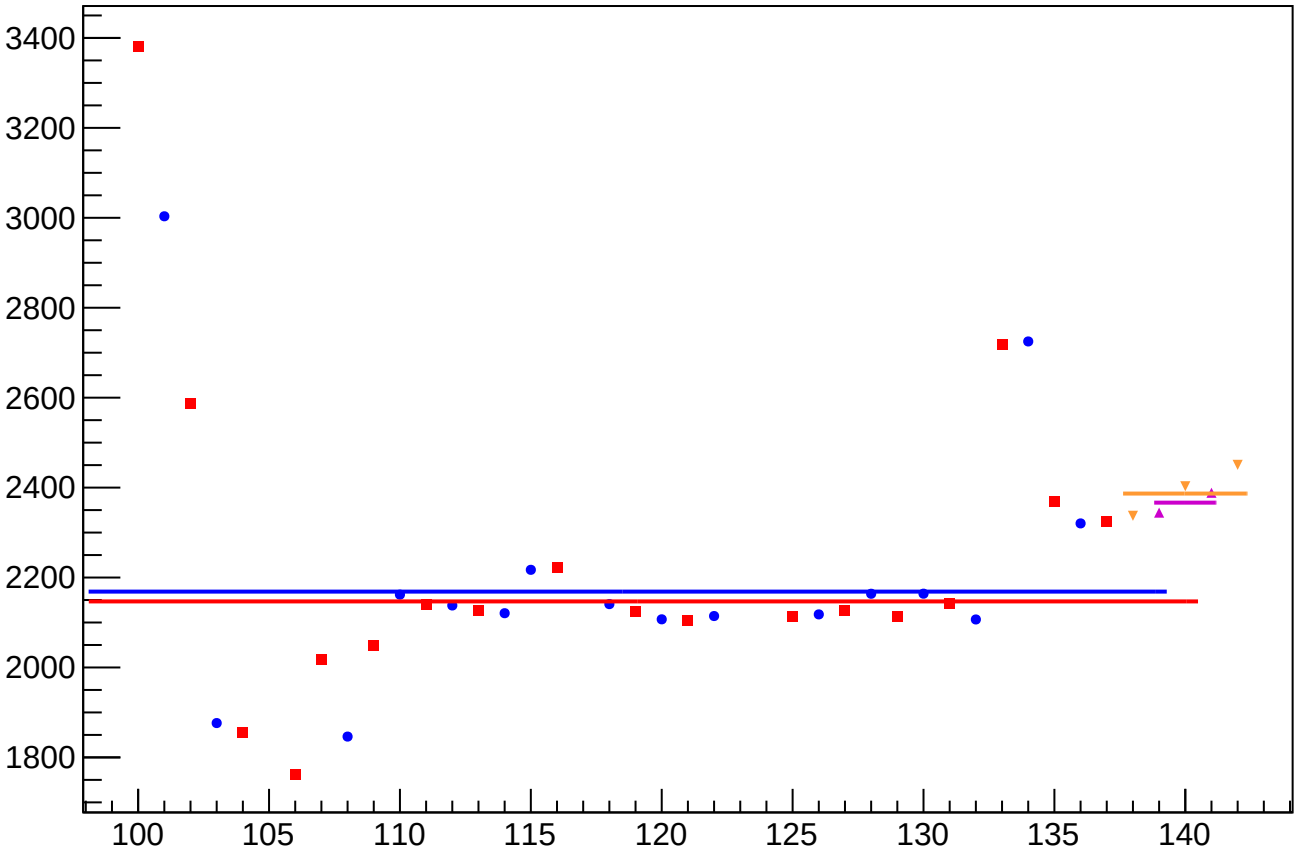
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8731.957+/-2.101 χ^2/NDF:550880.2/17

Out: 8445.499+/-1.998 χ^2/NDF:643480.0/20

All: 8581.508+/-1.448 χ^2/NDF: 1204121.0/38


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2917.078+/-1661.288 χ²/NDF:3.4/2
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5939.911+/-1799.067 χ²/NDF:0.1/1
Left: 4308.326+/-1220.514 χ²/NDF: 5.0/4
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5526.754+/-740.511 χ²/NDF:5.5/17
Out: 3769.350+/-727.359 χ²/NDF:16.7/20
All: 4632.307+/-518.908 χ²/NDF: 25.1/38



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2386.742+/-1.175 χ^2/NDF:1373.8/2

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2366.546+/-1.272 χ^2/NDF:301.7/1

Left: 2377.447+/-0.863 χ^2/NDF: 1811.5/4

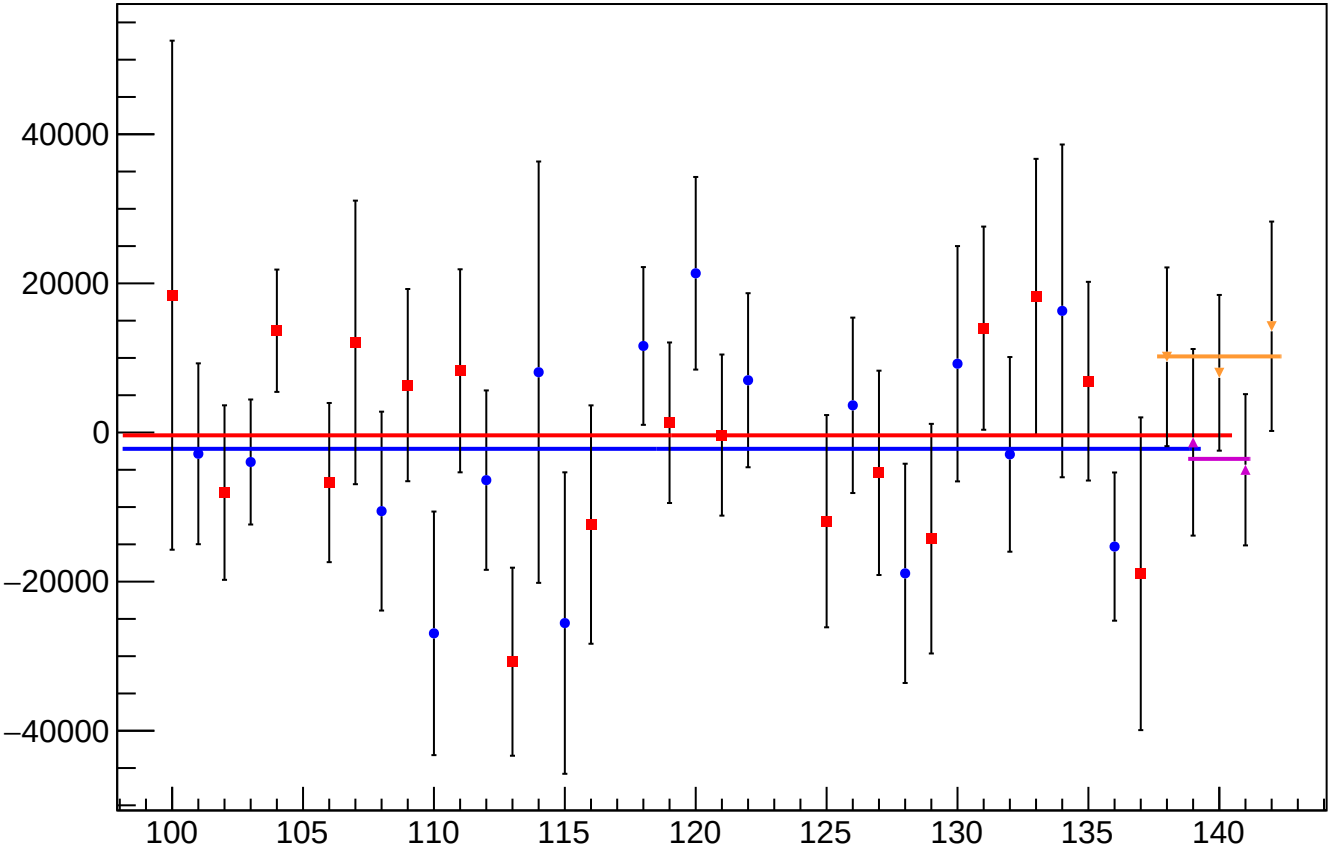
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2202.232+/-0.524 χ^2/NDF:216048.0/17

Out: 2192.497+/-0.512 χ^2/NDF:192887.0/20

All: 2197.258+/-0.366 χ^2/NDF: 409111.6/38

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: 10204.876+/-6867.456 χ^2/NDF:0.1/2

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -3537.347+/-7880.101 χ^2/NDF:0.1/1

Left: 4272.949+/-5177.274 χ^2/NDF: 1.9/4

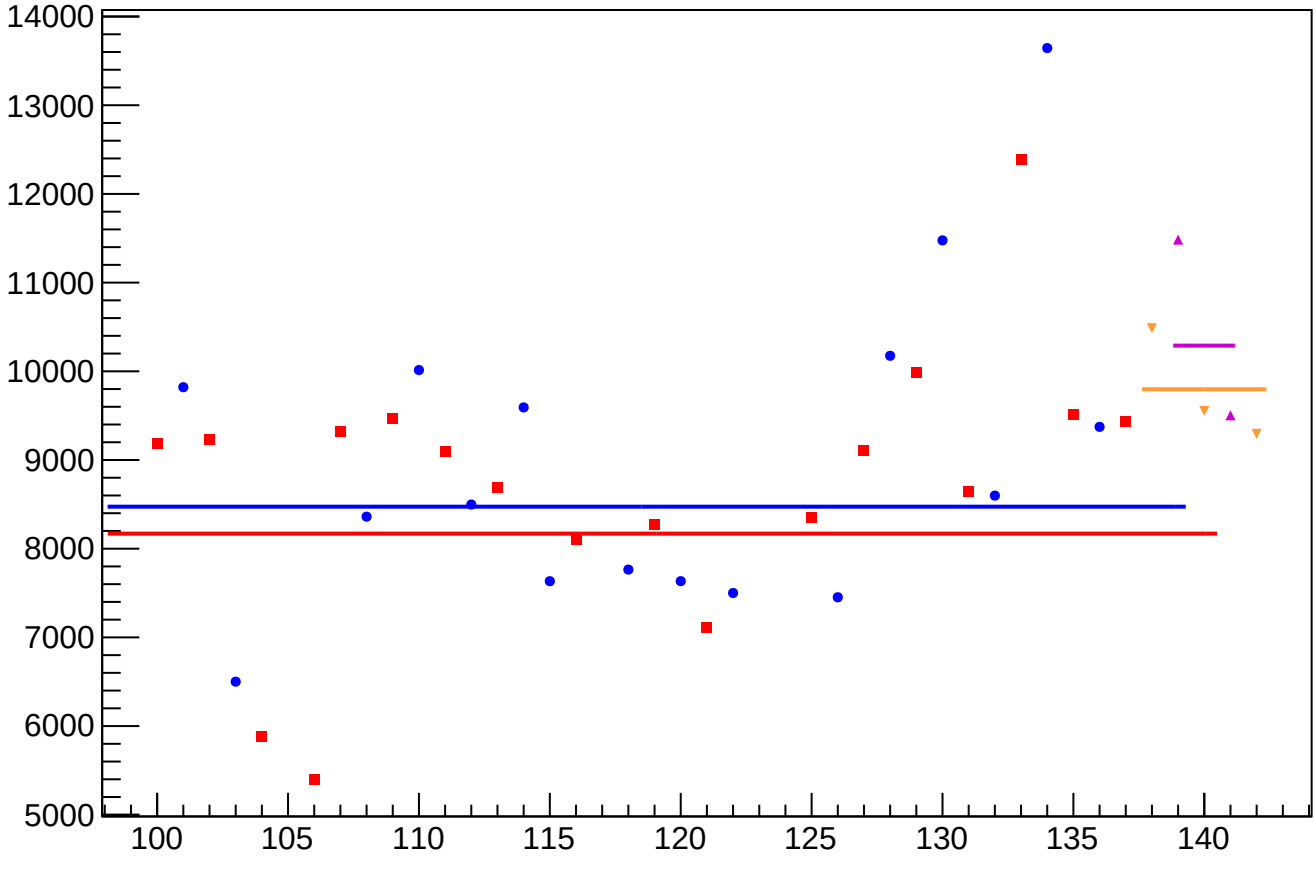
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -2380.967+/-2971.638 χ^2/NDF:14.5/17

Out: 1412.331+/-2825.434 χ^2/NDF:18.4/20

All: -388.711+/-2047.620 χ^2/NDF: 33.8/38

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: 9797.445+/-4.856 χ^2/NDF:10251.0/2

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10289.476+/-5.572 χ^2/NDF:30246.8/1

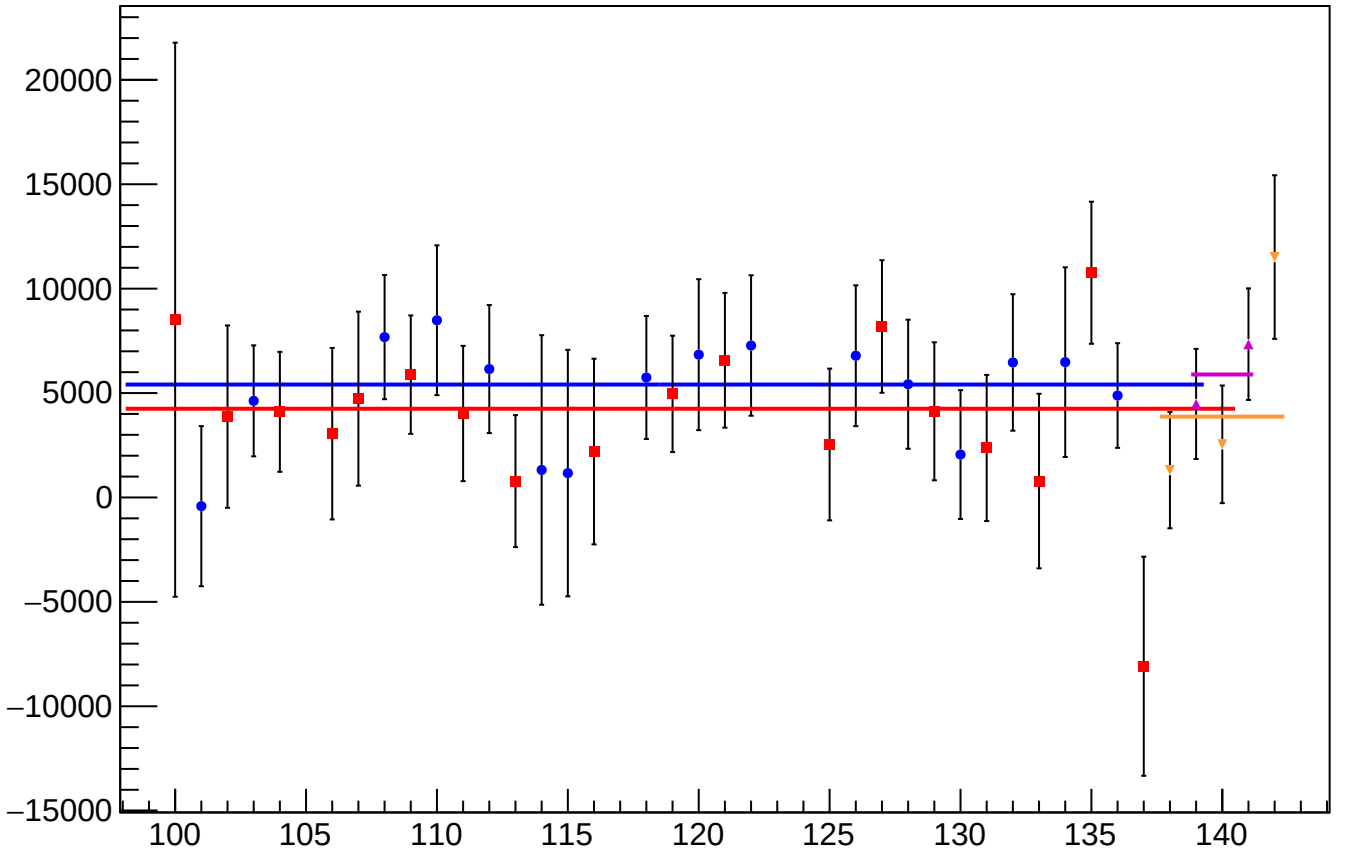
Left: 10009.834+/-3.661 χ^2/NDF: 44929.4/4

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8731.957+/-2.101 χ^2/NDF:550880.2/17

Out: 8445.499+/-1.998 χ^2/NDF:643480.0/20

All: 8581.508+/-1.448 χ^2/NDF: 1204121.0/38



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 3872.446+/-1767.245 χ^2/NDF:4.9/2

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: 4820.697+/-1286.643 χ^2/NDF: 6.1/4

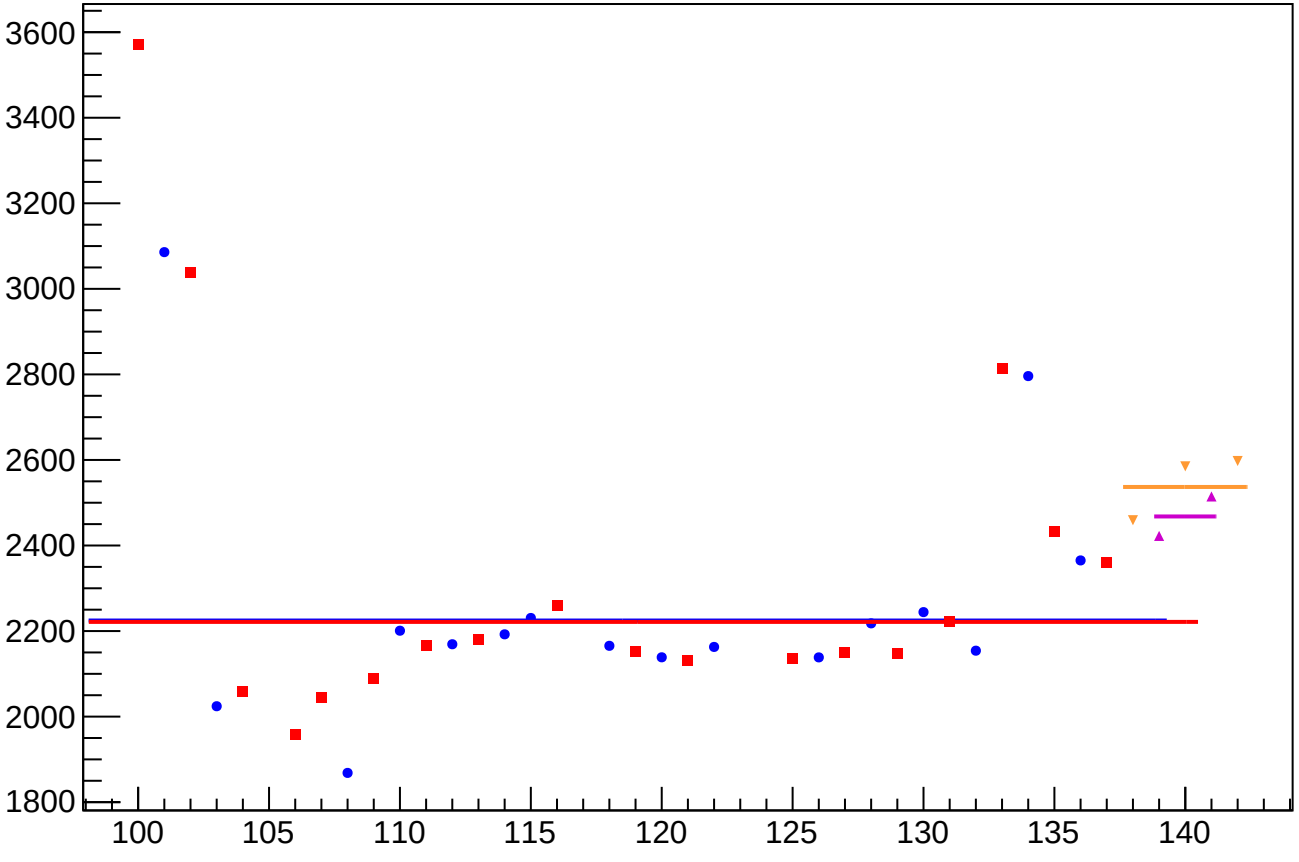
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5487.359+/-761.906 χ^2/NDF:7.4/17

Out: 4180.428+/-758.171 χ^2/NDF:19.4/20

All: 4830.681+/-537.423 χ^2/NDF: 28.2/38

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2536.862+/-1.250 χ^2/NDF:2625.2/2

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2467.906+/-1.327 χ^2/NDF:1206.9/1

Left: 2504.457+/-0.910 χ^2/NDF: 5263.1/4

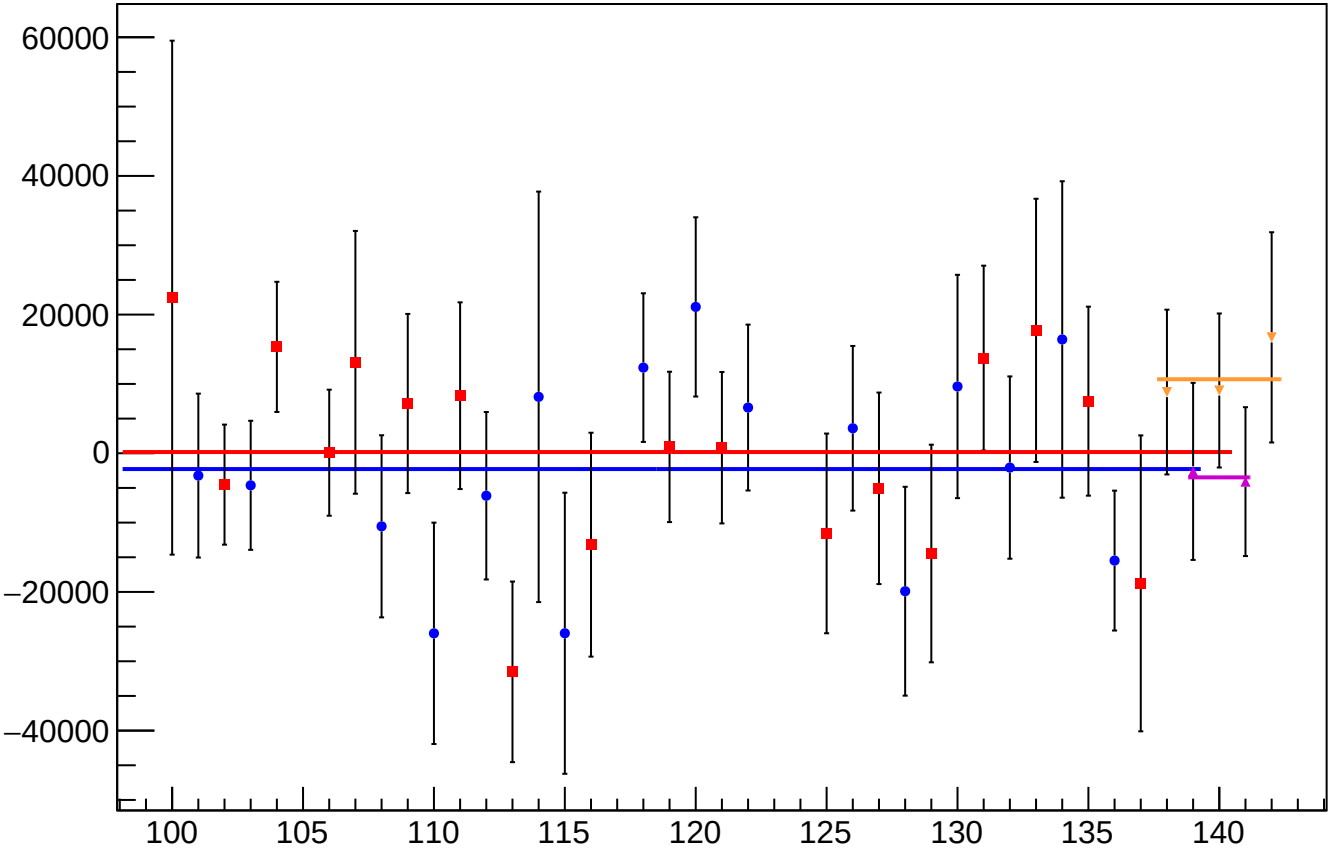
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2264.706+/-0.539 χ^2/NDF:213954.6/17

Out: 2279.424+/-0.536 χ^2/NDF:224571.8/20

All: 2272.105+/-0.380 χ^2/NDF: 438901.6/38

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 10677.887+/-7154.001 χ^2/NDF:0.2/2

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -3478.895+/-8218.042 χ^2/NDF:0.0/1

Left: 4574.744+/-5395.887 χ^2/NDF: 1.9/4

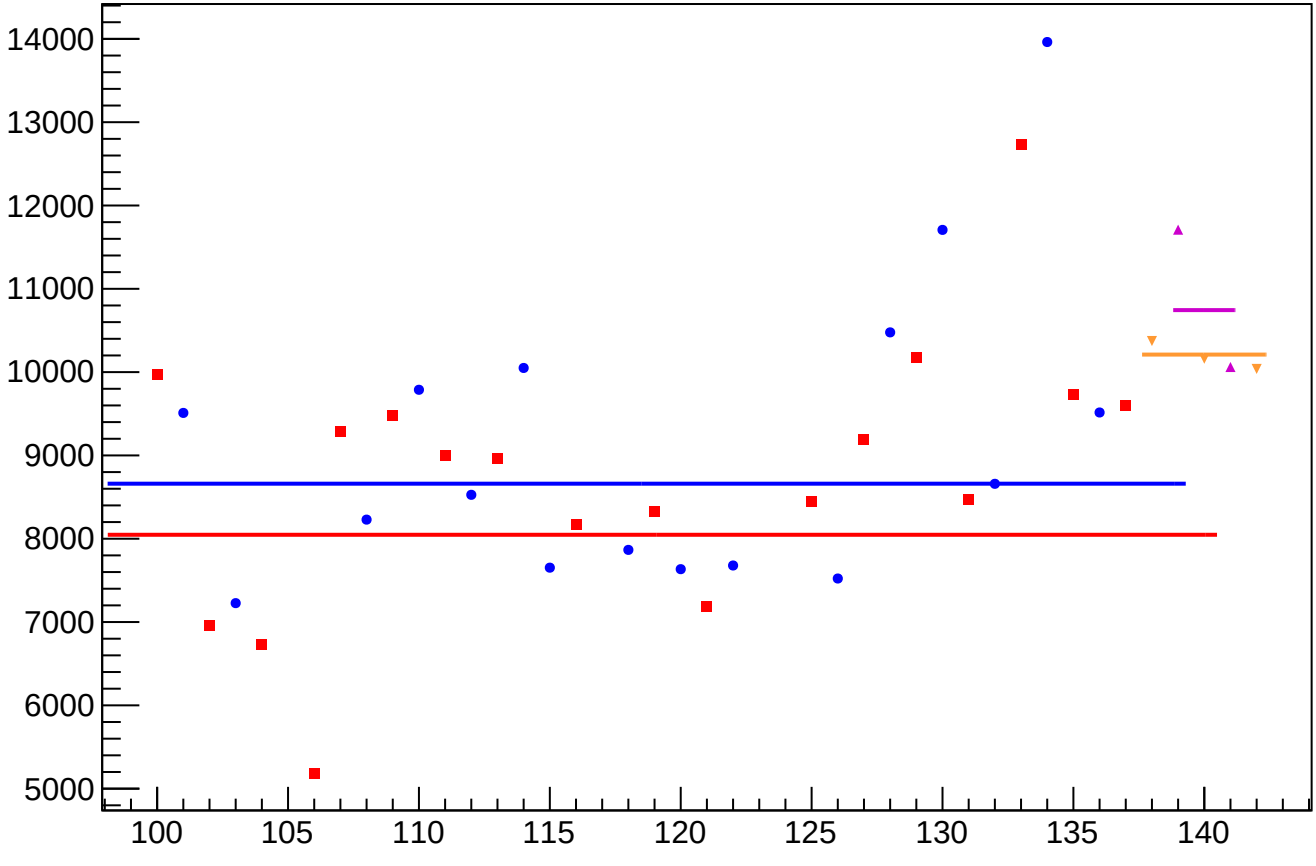
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -2442.678+/-3039.712 χ^2/NDF:14.5/17

Out: 1779.002+/-2794.247 χ^2/NDF:17.7/20

All: -154.524+/-2057.144 χ^2/NDF: 33.2/38

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: 10210.485+/-5.059 χ^2/NDF:673.9/2

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10744.285+/-5.811 χ^2/NDF:19527.3/1

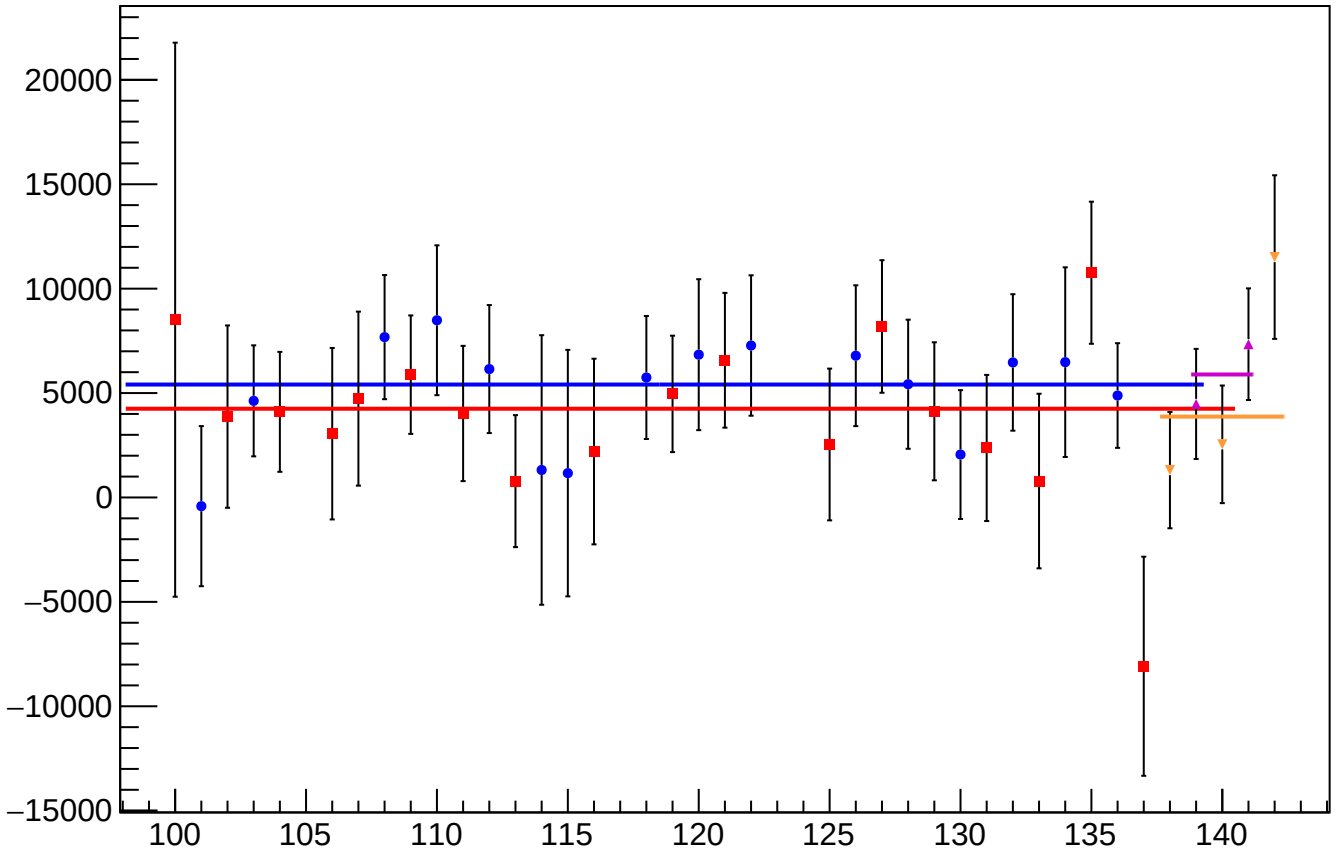
Left: 10440.612+/-3.815 χ^2/NDF: 25001.6/4

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 8945.790+/-2.149 χ^2/NDF:488459.5/17

Out: 8377.444+/-1.976 χ^2/NDF:714174.2/20

All: 8637.746+/-1.455 χ^2/NDF: 1240529.5/38



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 3872.465+/-1767.246 χ^2/NDF:4.9/2

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5890.216+/-1876.877 χ^2/NDF:0.6/1

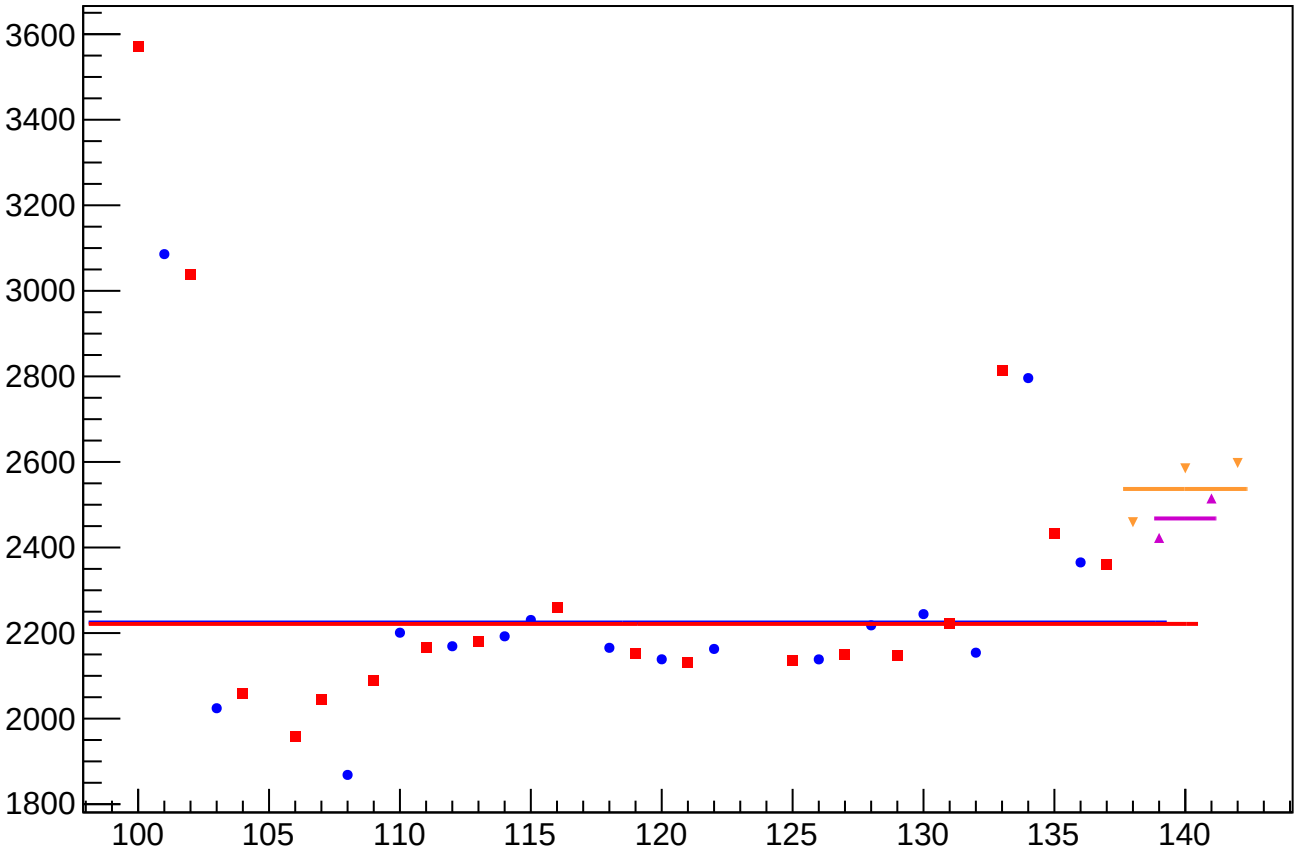
Left: 4820.693+/-1286.644 χ^2/NDF: 6.1/4

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5487.355+/-761.906 χ^2/NDF:7.4/17

Out: 4180.435+/-758.170 χ^2/NDF:19.4/20

All: 4830.683+/-537.423 χ^2/NDF: 28.2/38



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2536.864+/-1.250 χ^2/NDF:2625.3/2

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: 2504.459+/-0.910 χ^2/NDF: 5263.1/4

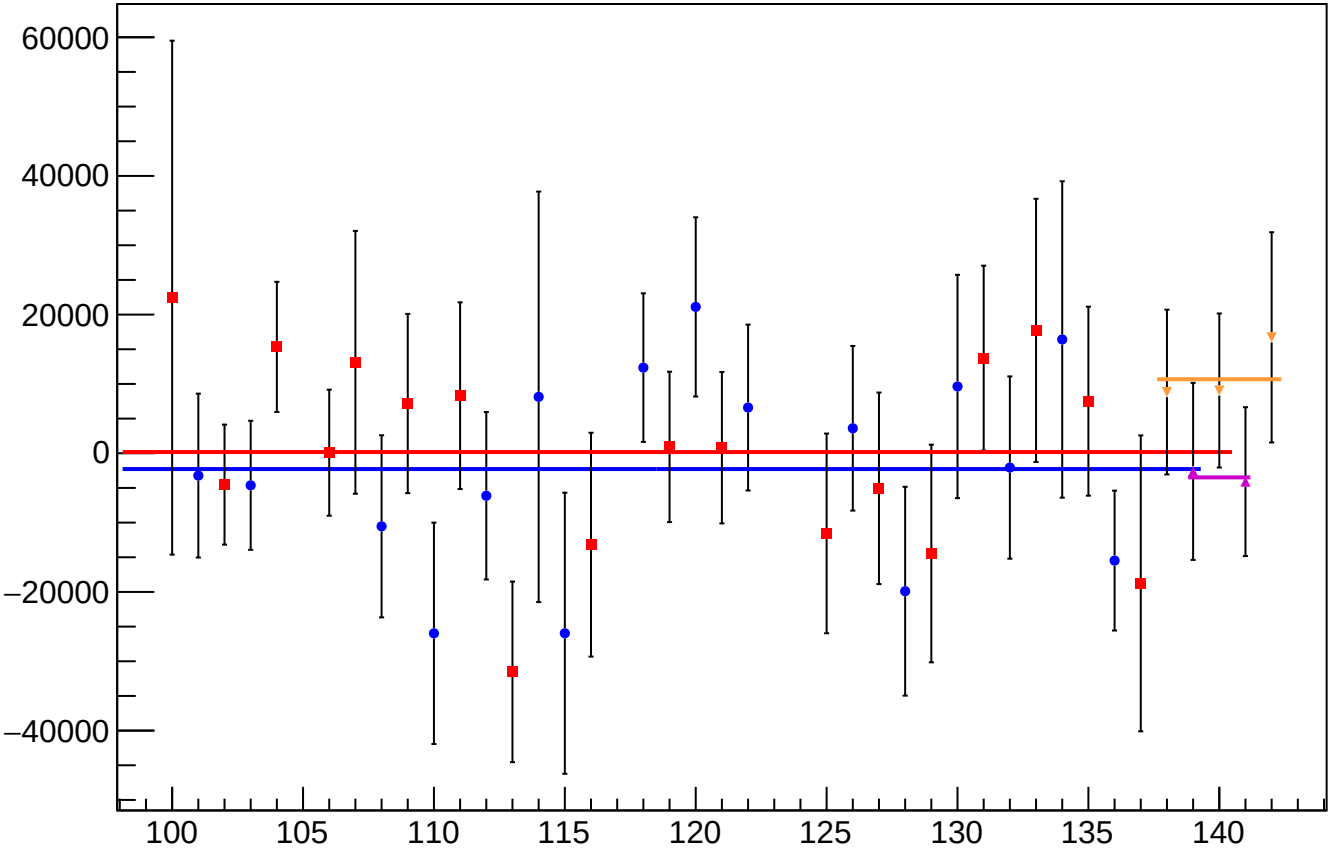
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2264.706+/-0.539 χ^2/NDF:213955.5/17

Out: 2279.423+/-0.536 χ^2/NDF:224572.7/20

All: 2272.104+/-0.380 χ^2/NDF: 438903.4/38

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: 10677.920+/-7154.014 χ^2/NDF:0.2/2

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -3478.919+/-8218.055 χ^2/NDF:0.0/1

Left: 4574.752+/-5395.896 χ^2/NDF: 1.9/4

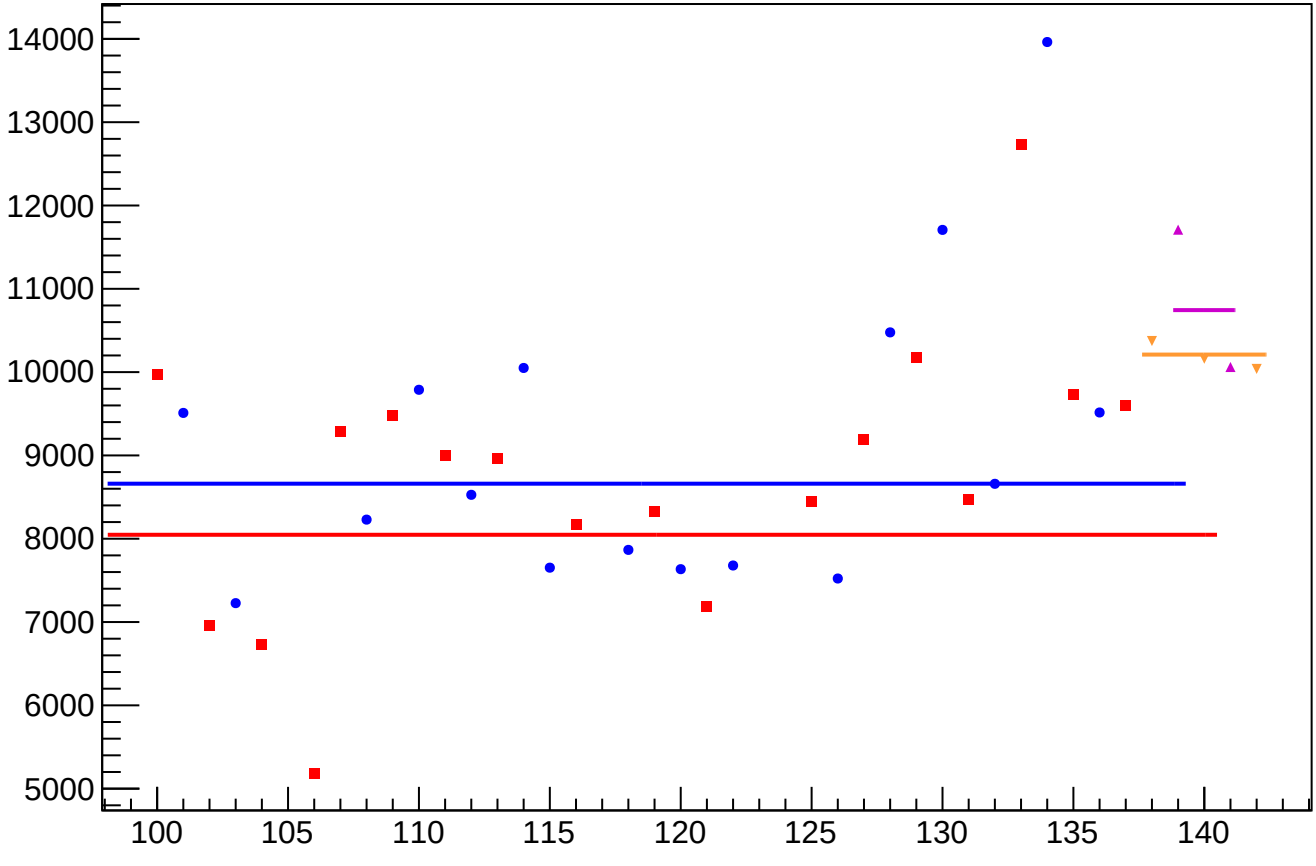
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -2442.661+/-3039.707 χ^2/NDF:14.5/17

Out: 1779.001+/-2794.242 χ^2/NDF:17.7/20

All: -154.517+/-2057.141 χ^2/NDF: 33.2/38

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: 10210.502+/-5.059 χ^2/NDF:673.9/2

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10744.301+/-5.811 χ^2/NDF:19527.8/1

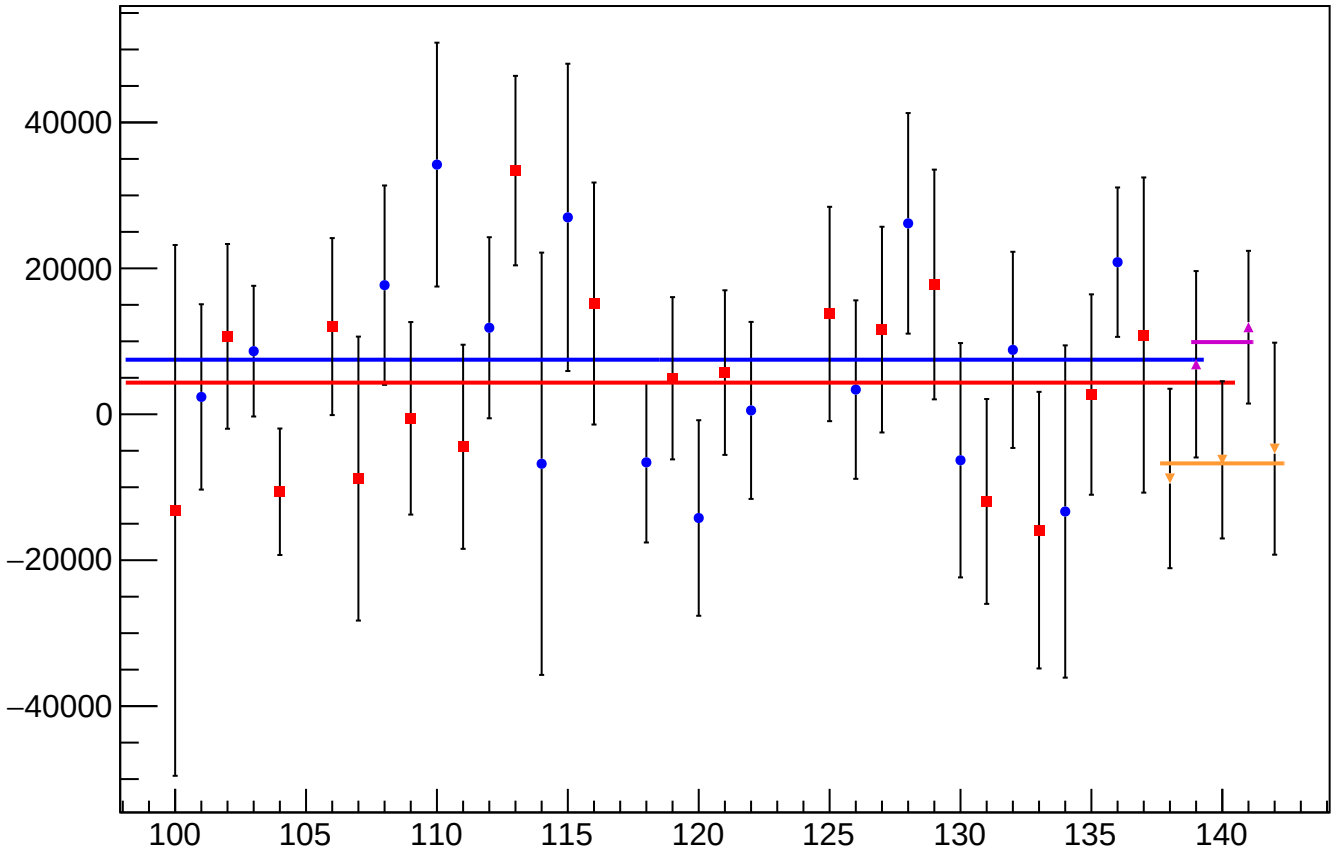
Left: 10440.629+/-3.815 χ^2/NDF: 25002.1/4

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 8945.772+/-2.149 χ^2/NDF:488466.0/17

Out: 8377.429+/-1.976 χ^2/NDF:714177.2/20

All: 8637.730+/-1.455 χ^2/NDF: 1240538.7/38



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -6728.205+/-7077.115 χ^2/NDF:0.0/2

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 9895.639+/-8095.759 χ^2/NDF:0.1/1

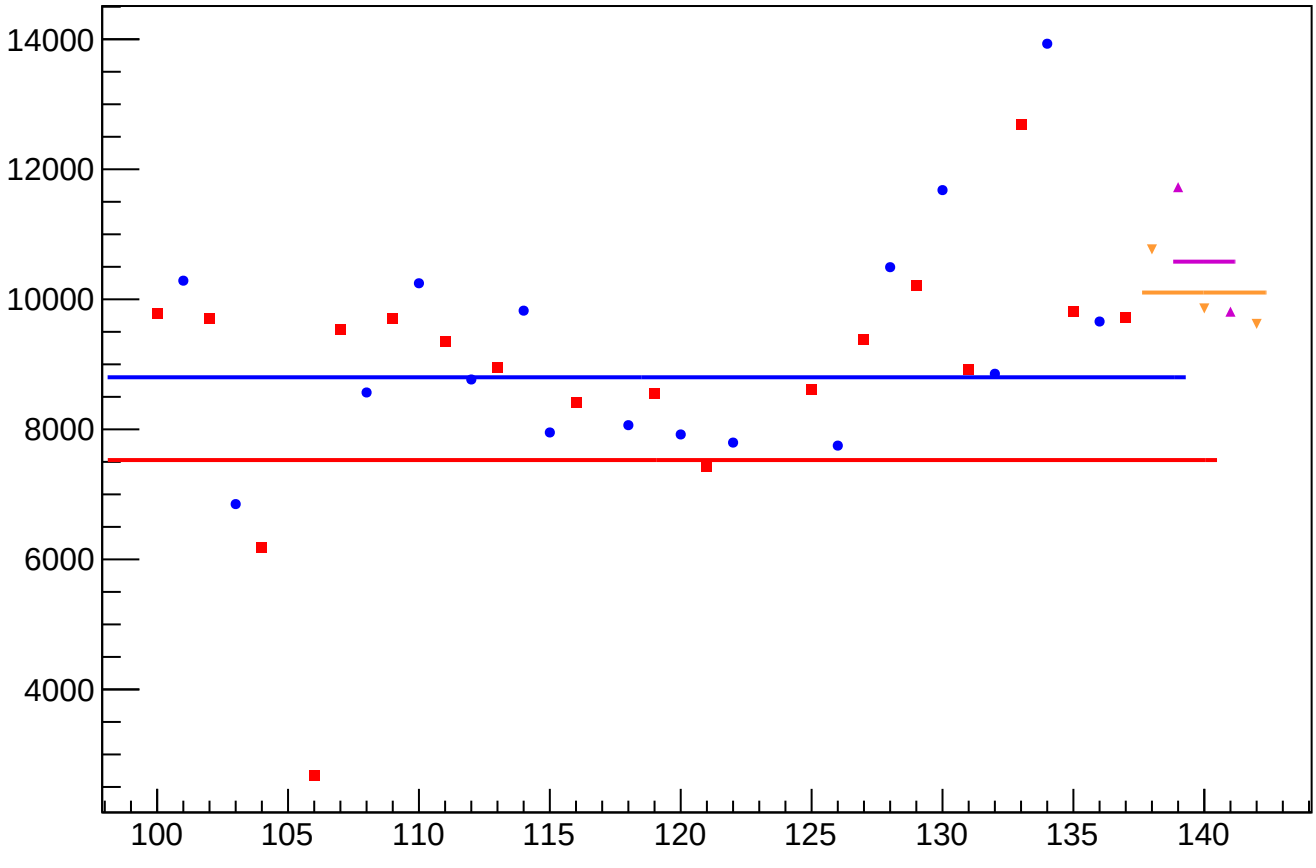
Left: 472.668+/-5328.248 χ^2/NDF: 2.5/4

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 7831.237+/-3080.377 χ^2/NDF:14.2/17

Out: 2418.066+/-2947.919 χ^2/NDF:16.4/20

All: 5005.767+/-2129.781 χ^2/NDF: 32.2/38



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10104.271+/-5.004 χ^2/NDF:9061.5/2

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10579.421+/-5.725 χ^2/NDF:26891.3/1

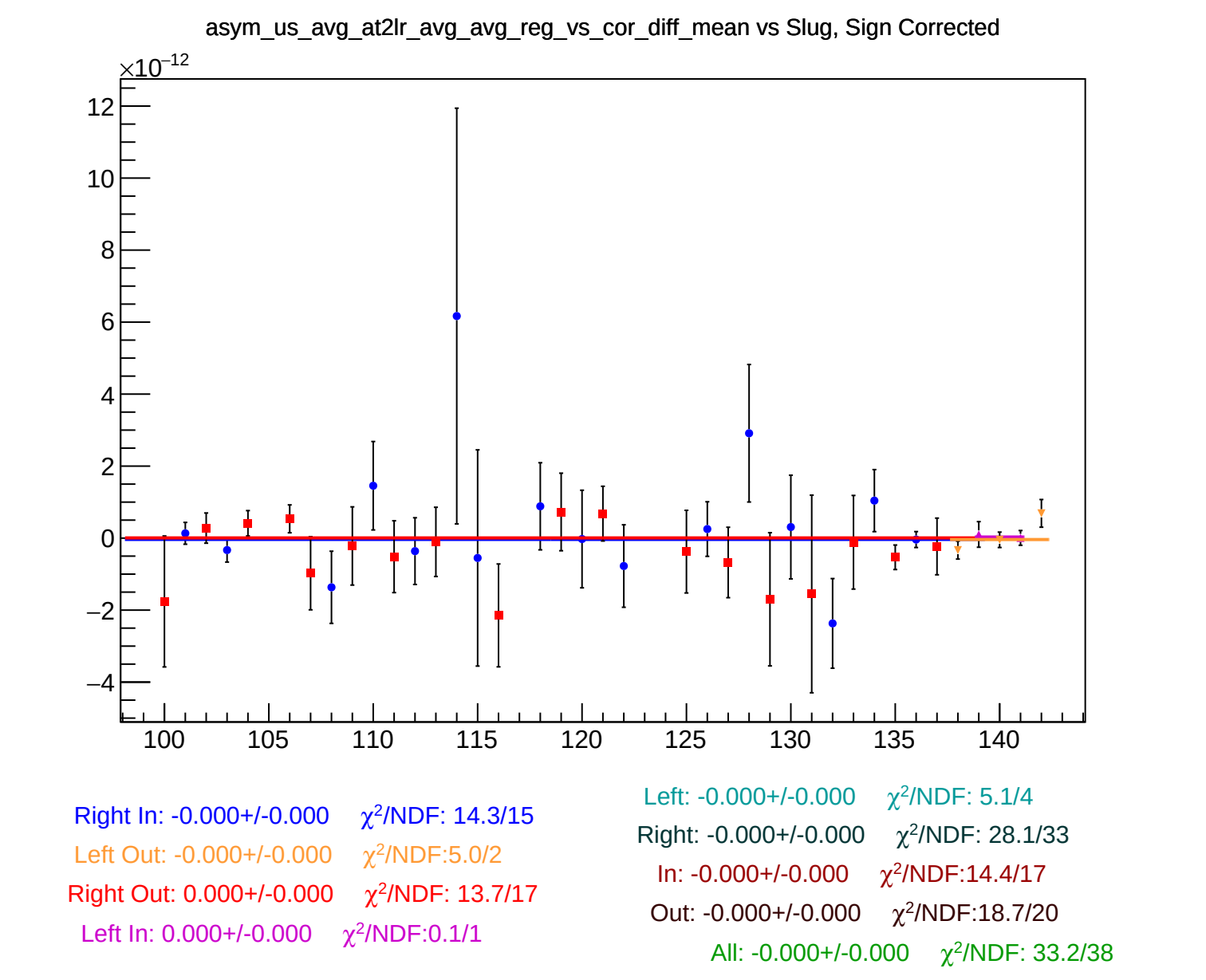
Left: 10310.090+/-3.768 χ^2/NDF: 39857.9/4

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

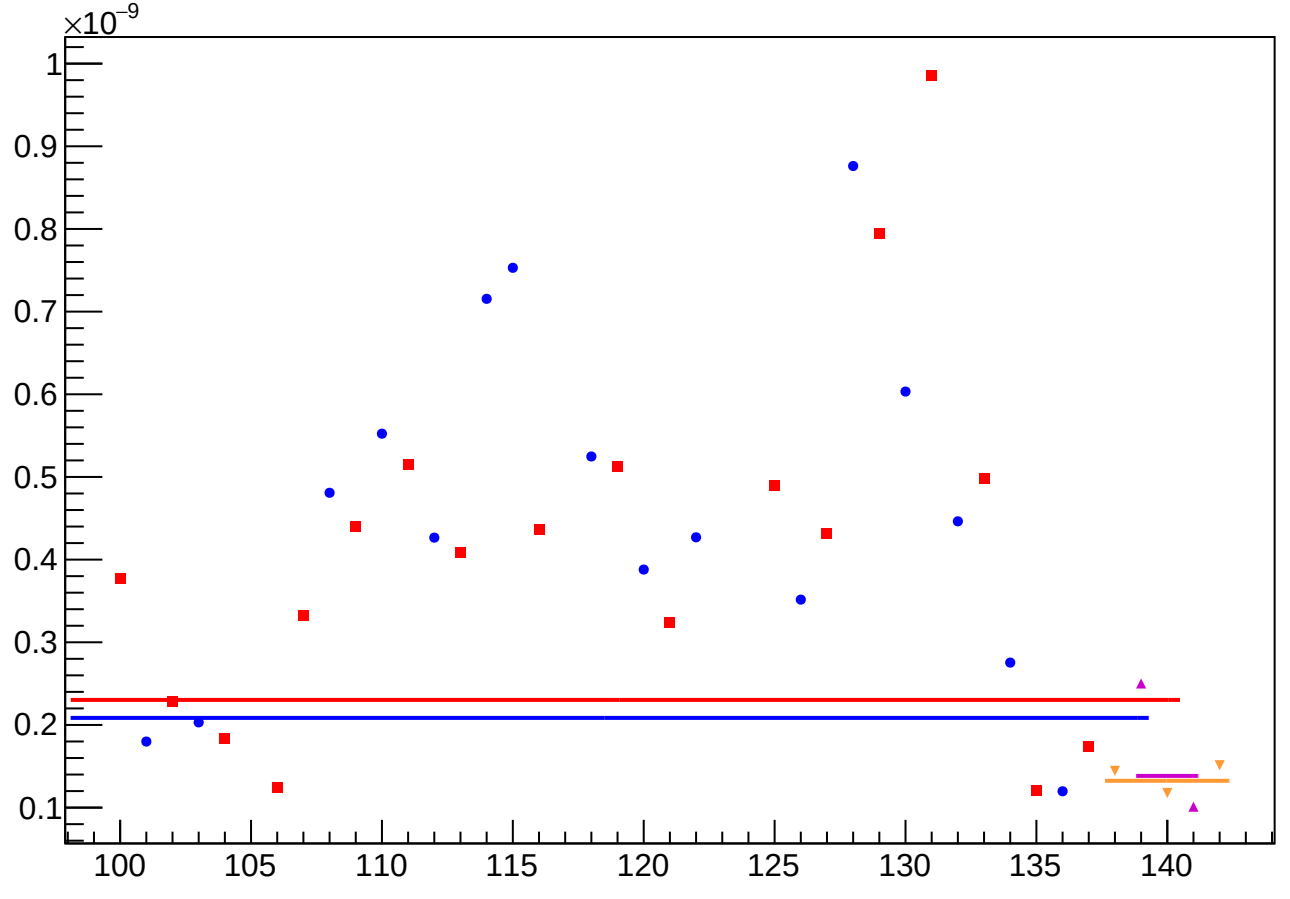
In: 9058.529+/-2.178 χ^2/NDF:503999.8/17

Out: 7922.453+/-1.959 χ^2/NDF:1890832.6/20

All: 8430.355+/-1.456 χ^2/NDF: 2545257.0/38


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
−4
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:5.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/17
Left In: 0.000+/-0.000 χ²/NDF:0.1/1
Left: -0.000+/-0.000 χ²/NDF: 5.1/4
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: -0.000+/-0.000 χ²/NDF:14.4/17
Out: -0.000+/-0.000 χ²/NDF:18.7/20
All: -0.000+/-0.000 χ²/NDF: 33.2/38

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18944.6/2

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: 284265.9/4

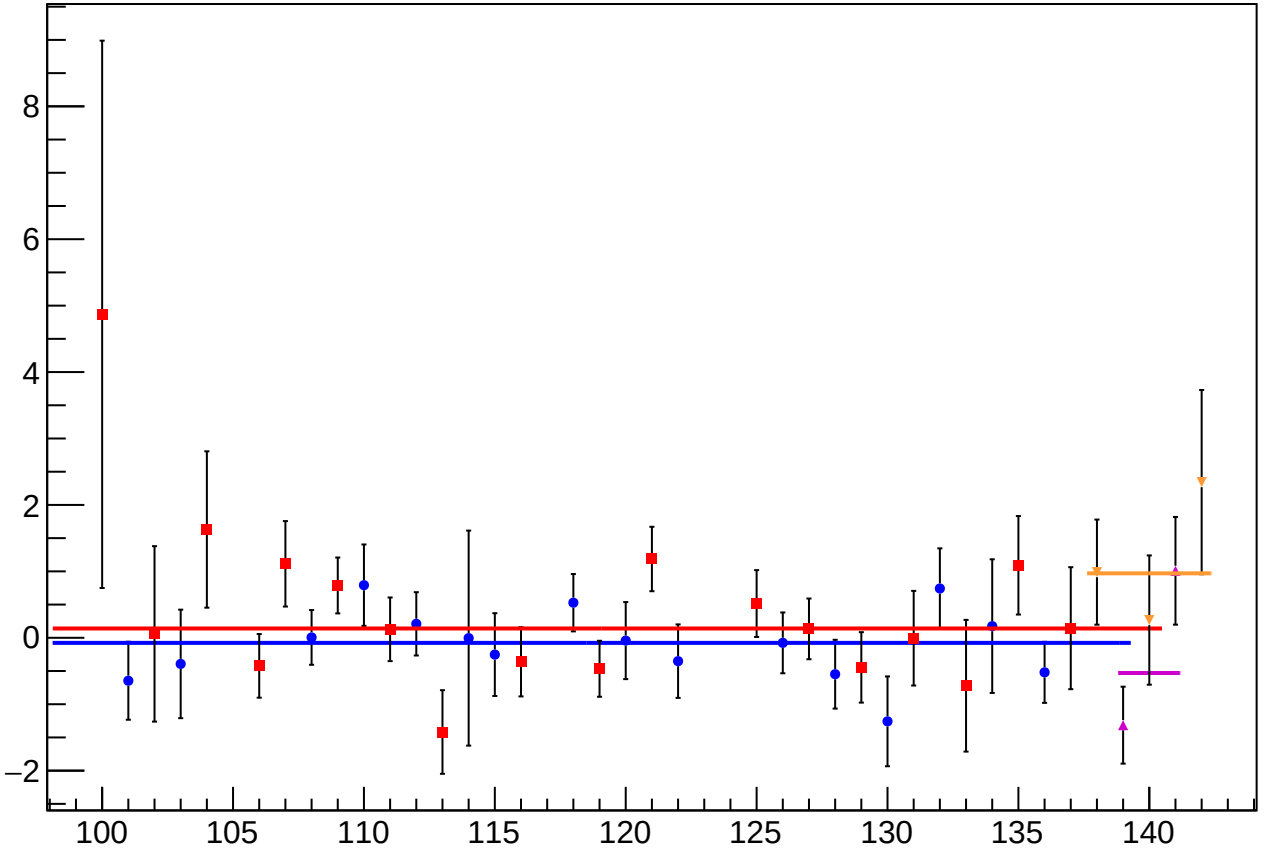
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2087009.7/17

Out: 0.000+/-0.000 χ^2/NDF:1989397.5/20

All: 0.000+/-0.000 χ^2/NDF: 4076788.0/38

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

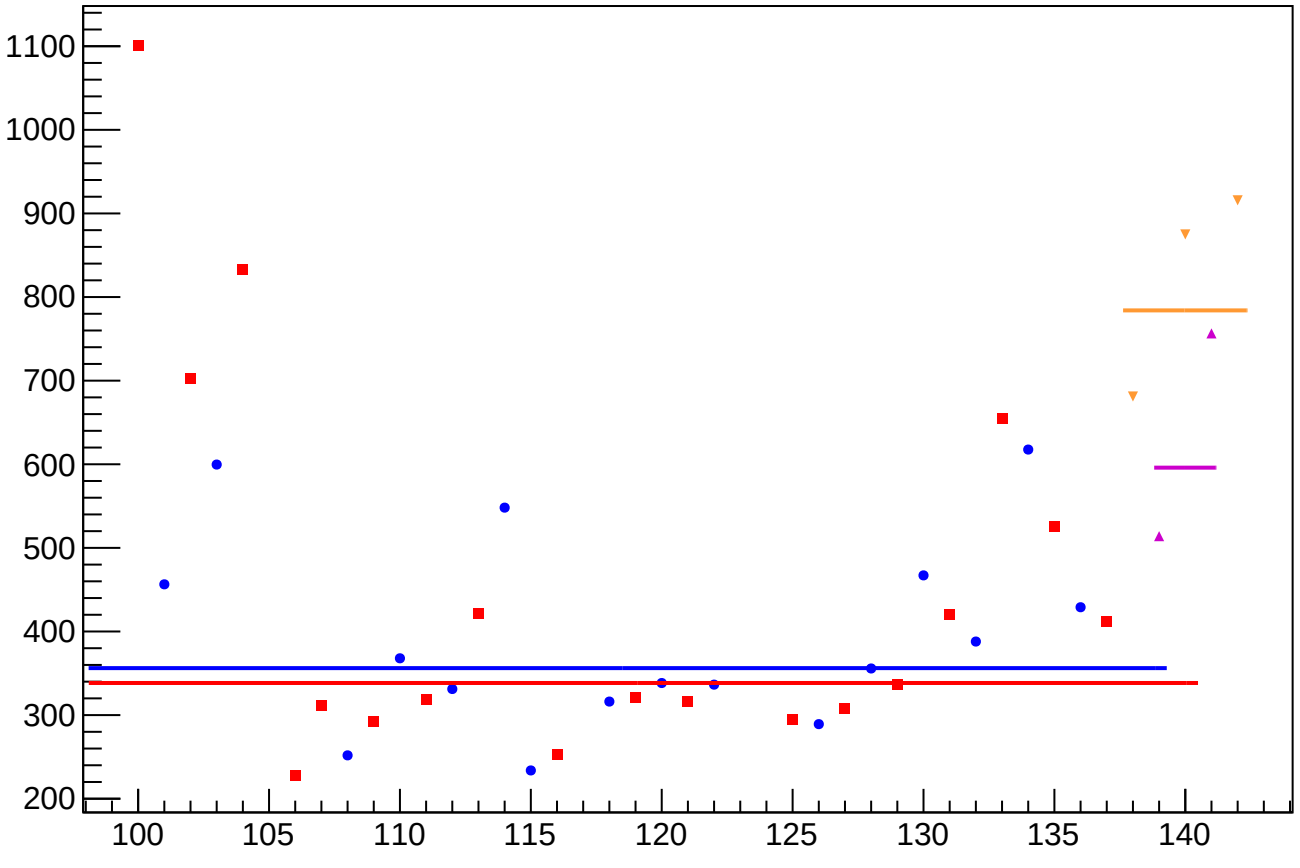
Left: 0.090+/-0.361 χ^2/NDF: 11.1/4

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.037+/-0.095 χ^2/NDF: 51.9/38



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 784.039+/-0.397 χ^2/NDF:69348.4/2

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: 673.705+/-0.255 χ^2/NDF: 319584.0/4

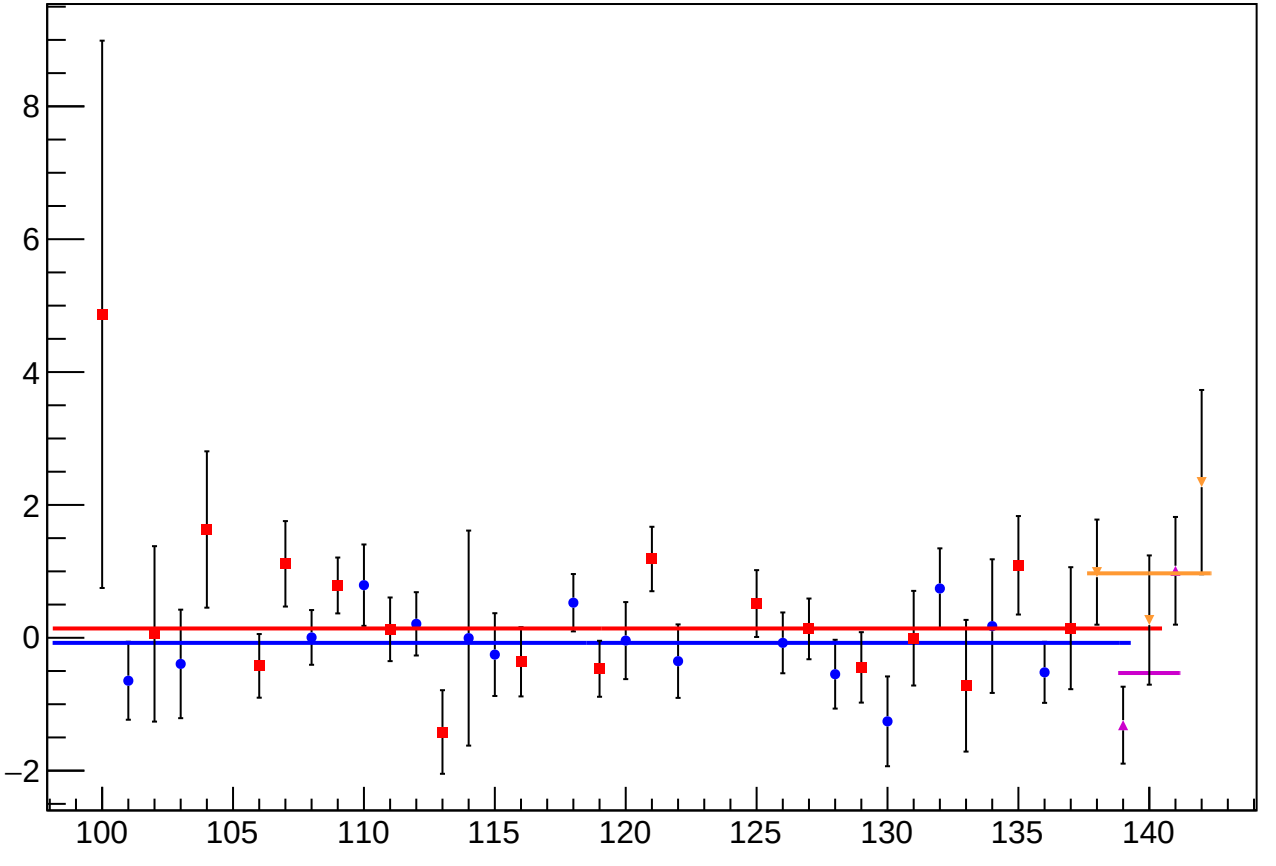
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 375.612+/-0.095 χ^2/NDF:1379472.6/17

Out: 363.800+/-0.095 χ^2/NDF:2461354.8/20

All: 369.700+/-0.067 χ^2/NDF: 3848592.5/38

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

Left: 0.090+/-0.361 χ^2/NDF: 11.1/4

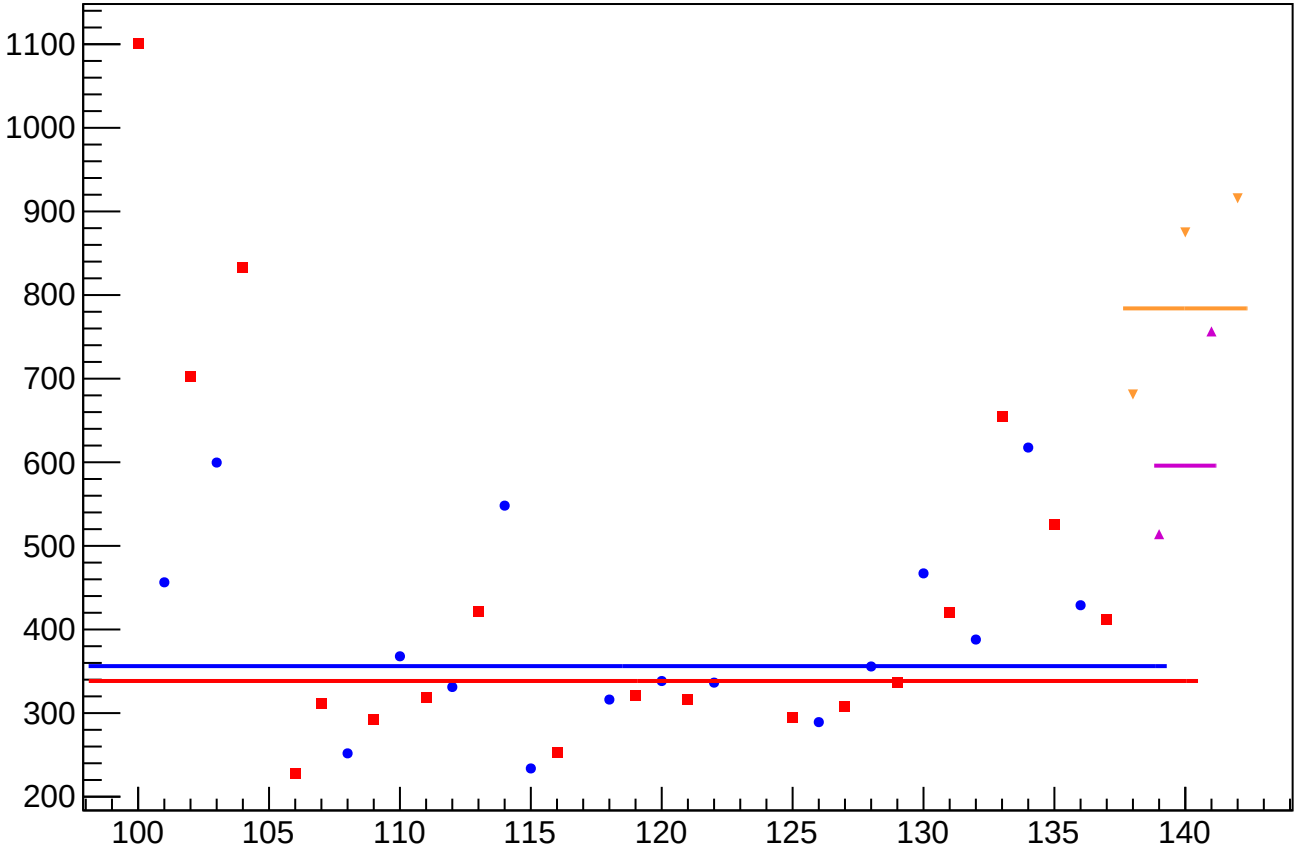
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.037+/-0.095 χ^2/NDF: 51.9/38

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: 784.039+/-0.397 χ^2/NDF:69348.4/2

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 595.952+/-0.333 χ^2/NDF:118507.2/1

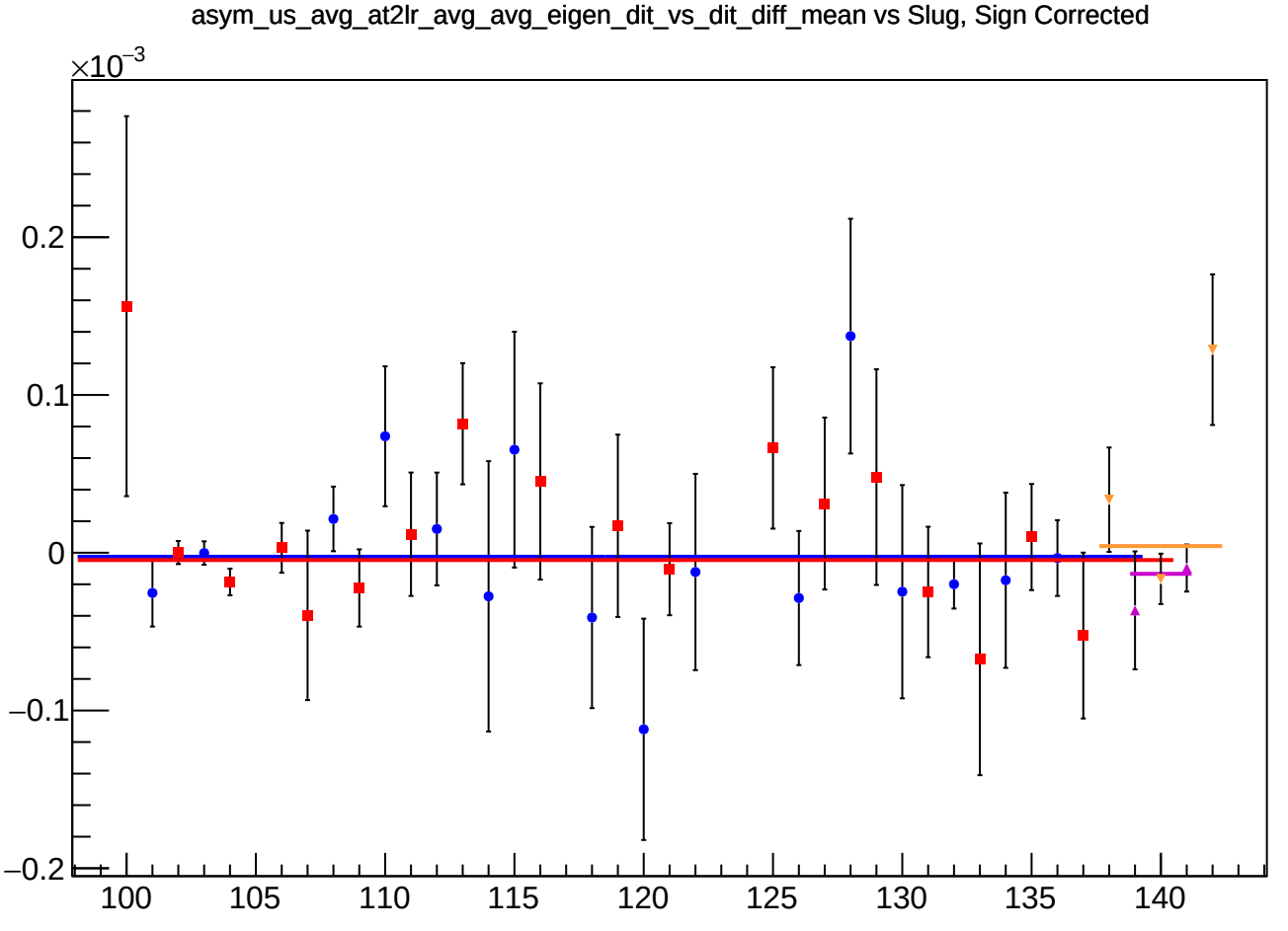
Left: 673.705+/-0.255 χ^2/NDF: 319584.0/4

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 375.612+/-0.095 χ^2/NDF:1379472.6/17

Out: 363.800+/-0.095 χ^2/NDF:2461354.8/20

All: 369.700+/-0.067 χ^2/NDF: 3848592.5/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

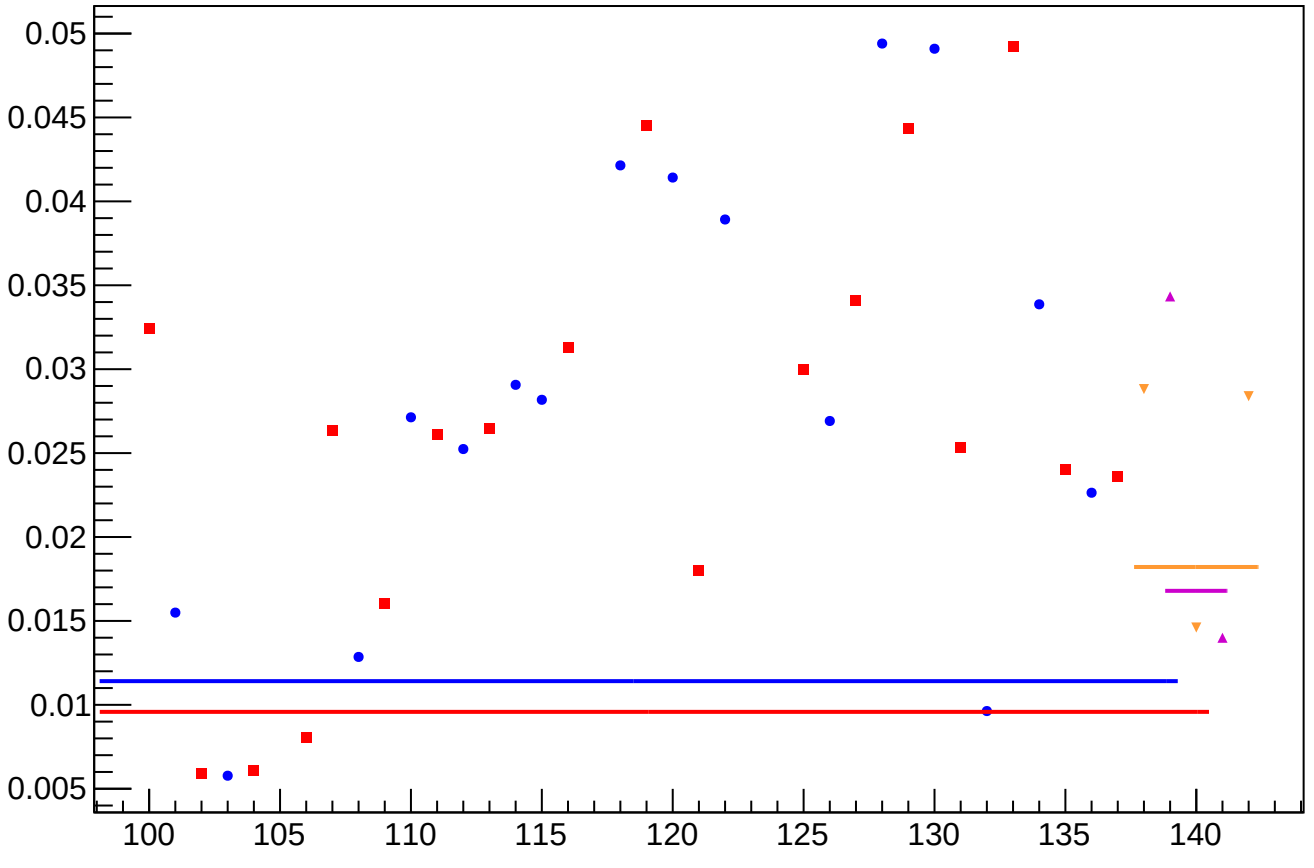
Left: -0.000+/-0.000 χ^2/NDF: 10.5/4

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:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 42.8/38



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.018+/-0.000 χ^2/NDF:398356.1/2

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.017+/-0.000 χ^2/NDF:511053.2/1

Left: 0.018+/-0.000 χ^2/NDF: 919999.7/4

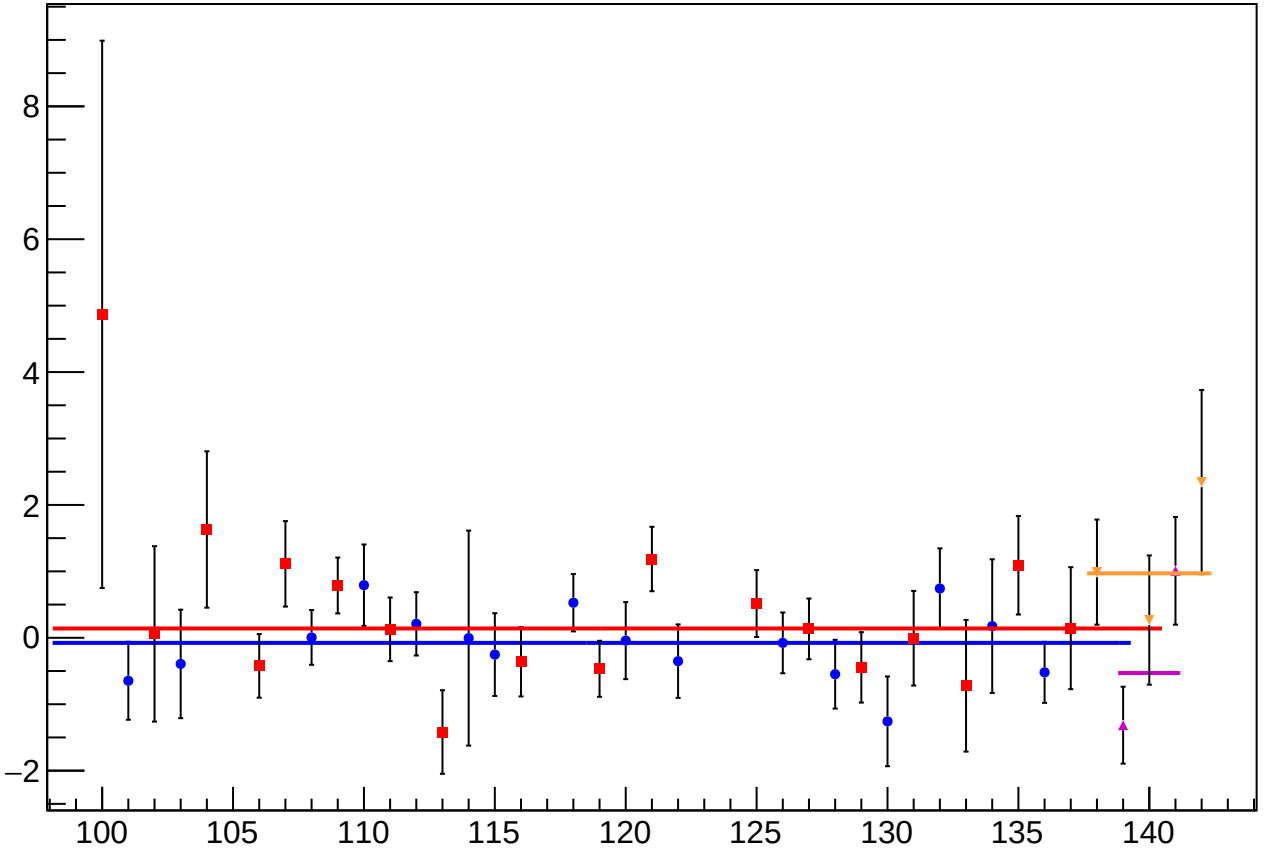
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:6271567.3/17

Out: 0.010+/-0.000 χ^2/NDF:6889725.8/20

All: 0.011+/-0.000 χ^2/NDF: 13280790.3/38

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

Left: 0.090+/-0.361 χ^2/NDF: 11.1/4

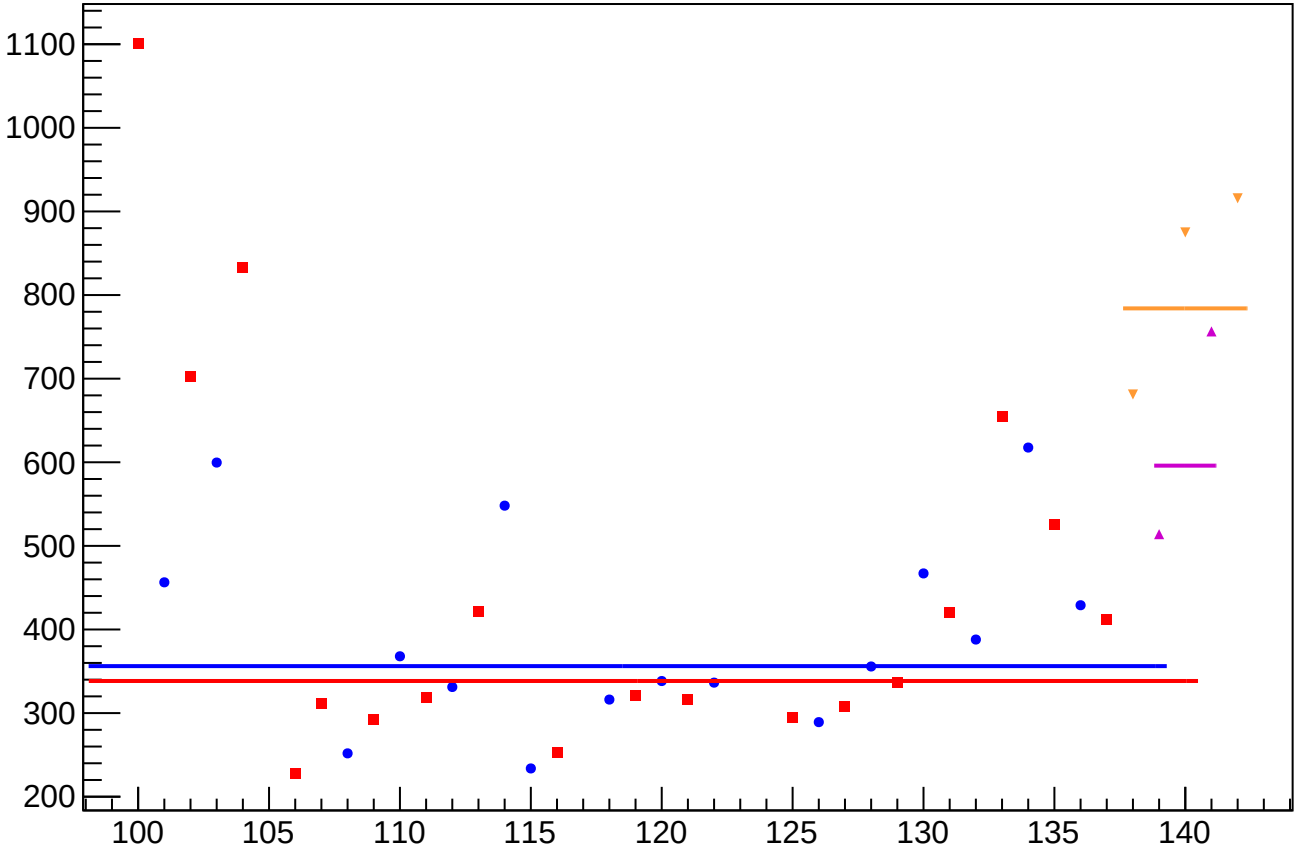
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.037+/-0.095 χ^2/NDF: 51.9/38

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: 784.046+/-0.397 χ^2/NDF:69348.6/2

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 595.963+/-0.333 χ^2/NDF:118497.3/1

Left: 673.715+/-0.255 χ^2/NDF: 319565.6/4

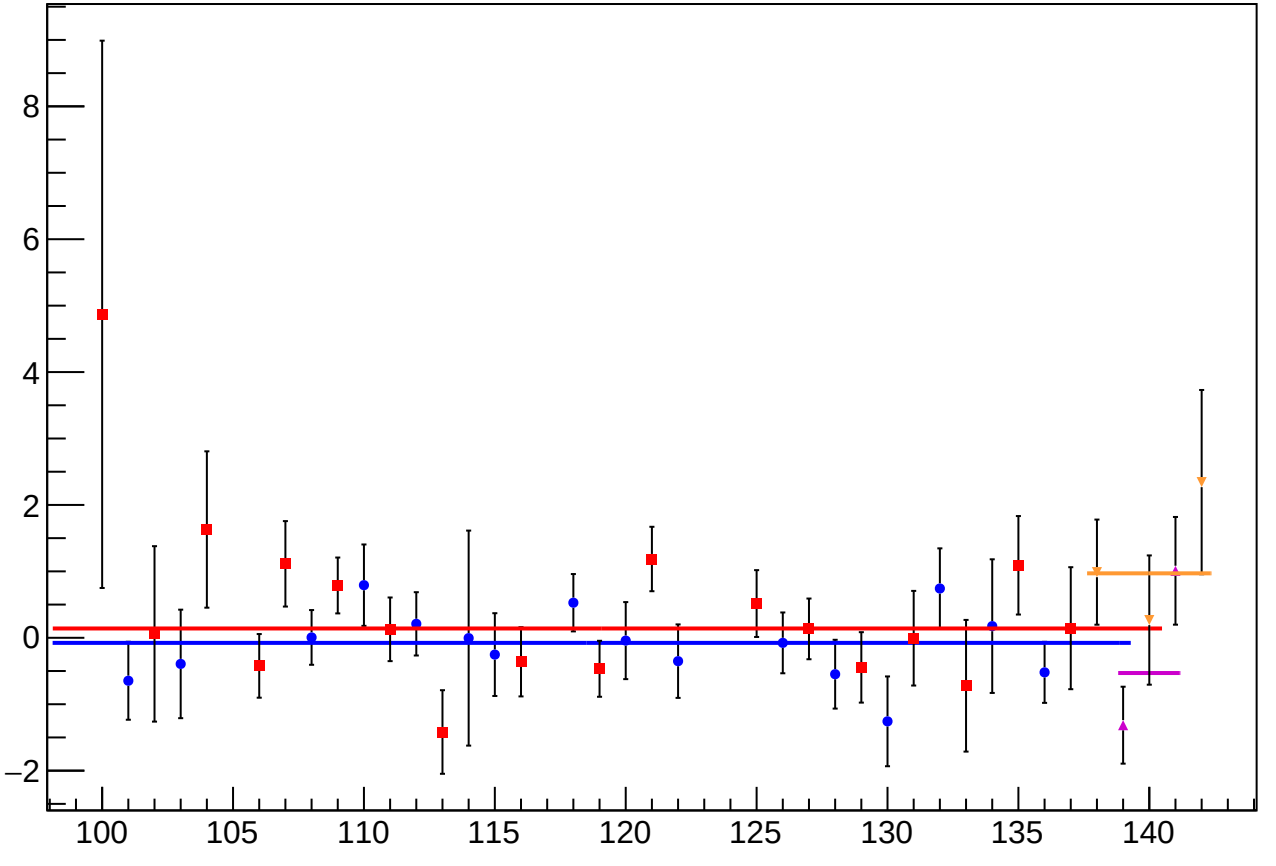
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 375.611+/-0.095 χ^2/NDF:1379463.6/17

Out: 363.798+/-0.095 χ^2/NDF:2461365.5/20

All: 369.698+/-0.067 χ^2/NDF: 3848595.7/38

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: 0.970+/-0.561 χ^2/NDF:1.5/2

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.530+/-0.471 χ^2/NDF:5.4/1

Left: 0.090+/-0.361 χ^2/NDF: 11.1/4

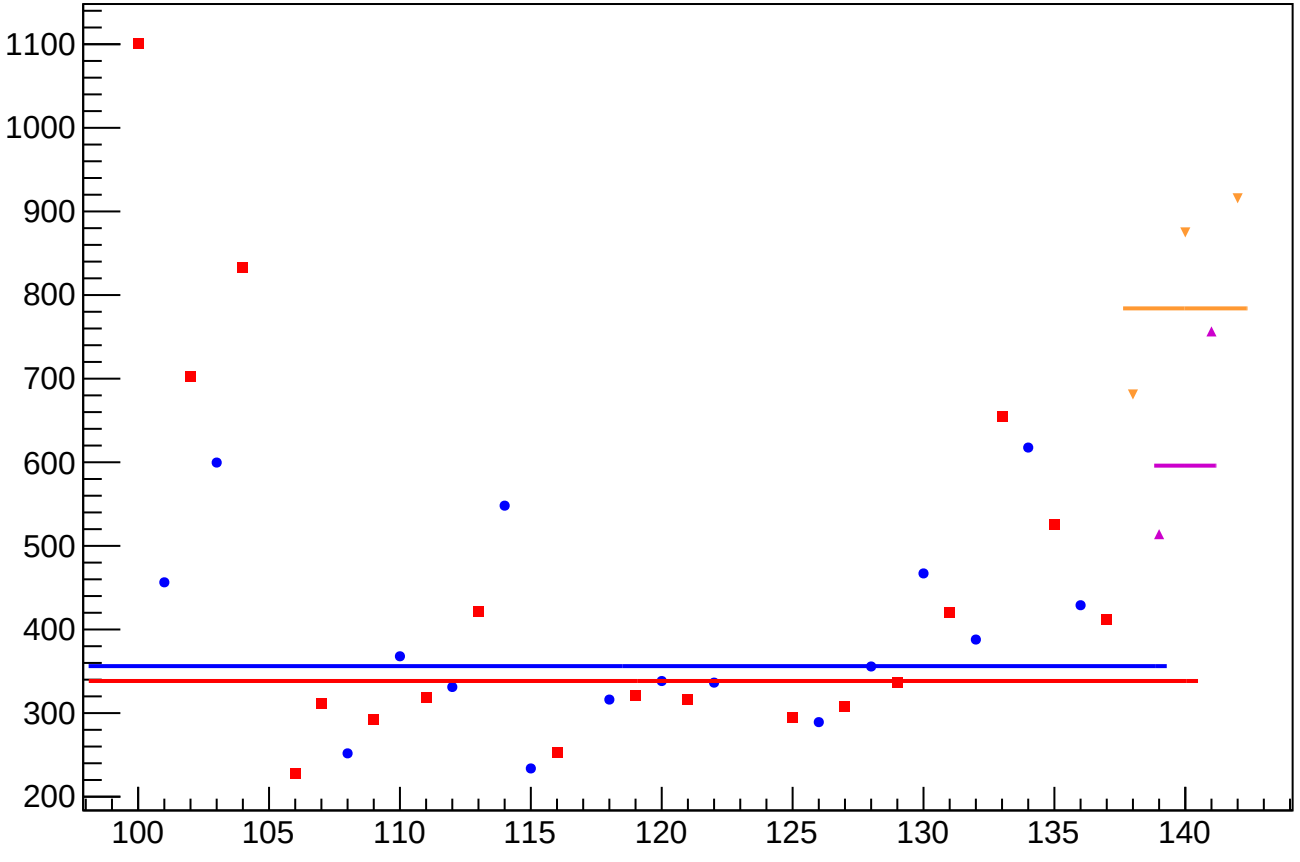
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.113+/-0.134 χ^2/NDF:18.8/17

Out: 0.188+/-0.134 χ^2/NDF:30.5/20

All: 0.037+/-0.095 χ^2/NDF: 51.9/38

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: 784.046+/-0.397 χ^2/NDF:69348.6/2

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 595.963+/-0.333 χ^2/NDF:118497.3/1

Left: 673.715+/-0.255 χ^2/NDF: 319565.6/4

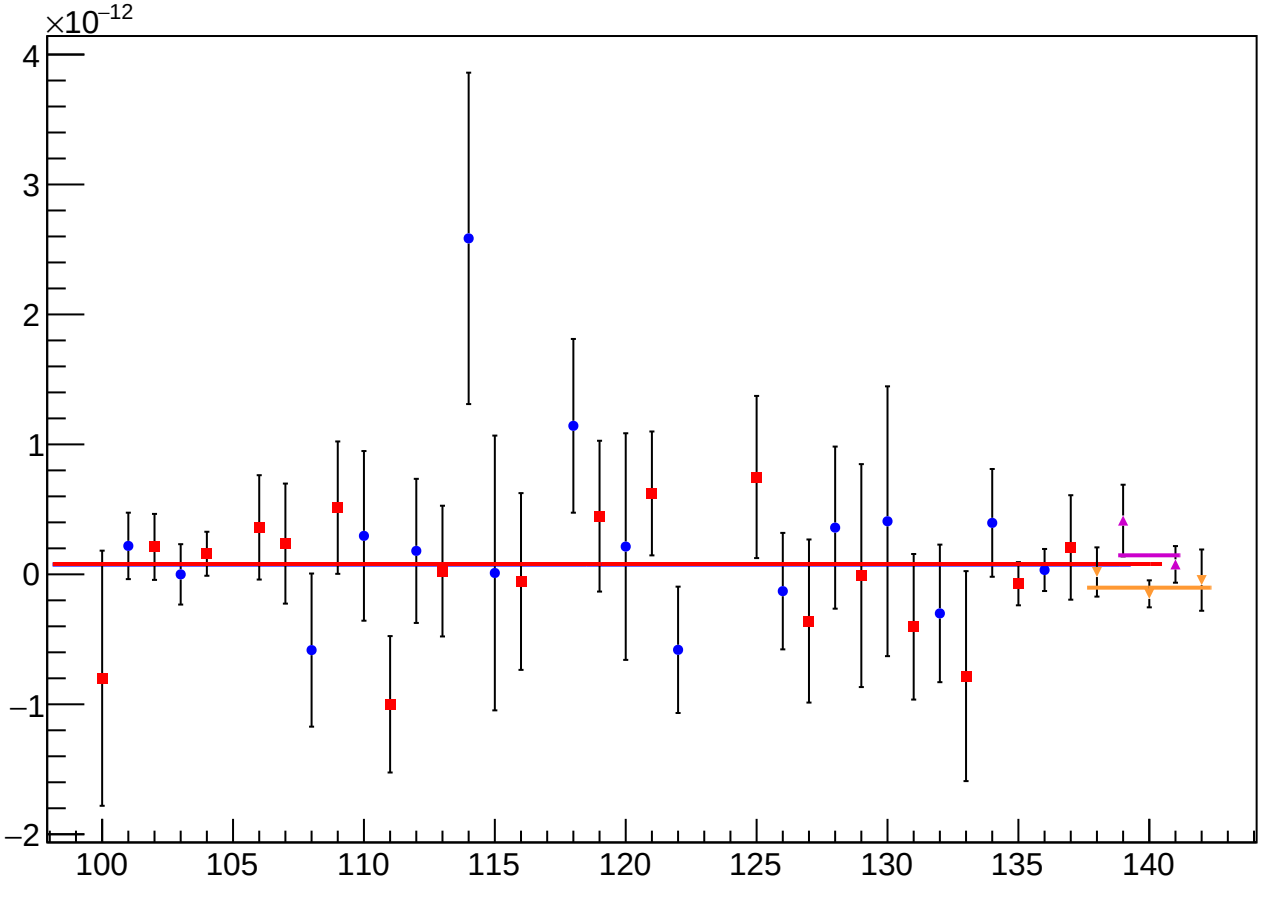
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 375.611+/-0.095 χ^2/NDF:1379463.6/17

Out: 363.798+/-0.095 χ^2/NDF:2461365.5/20

All: 369.698+/-0.067 χ^2/NDF: 3848595.7/38

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:0.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

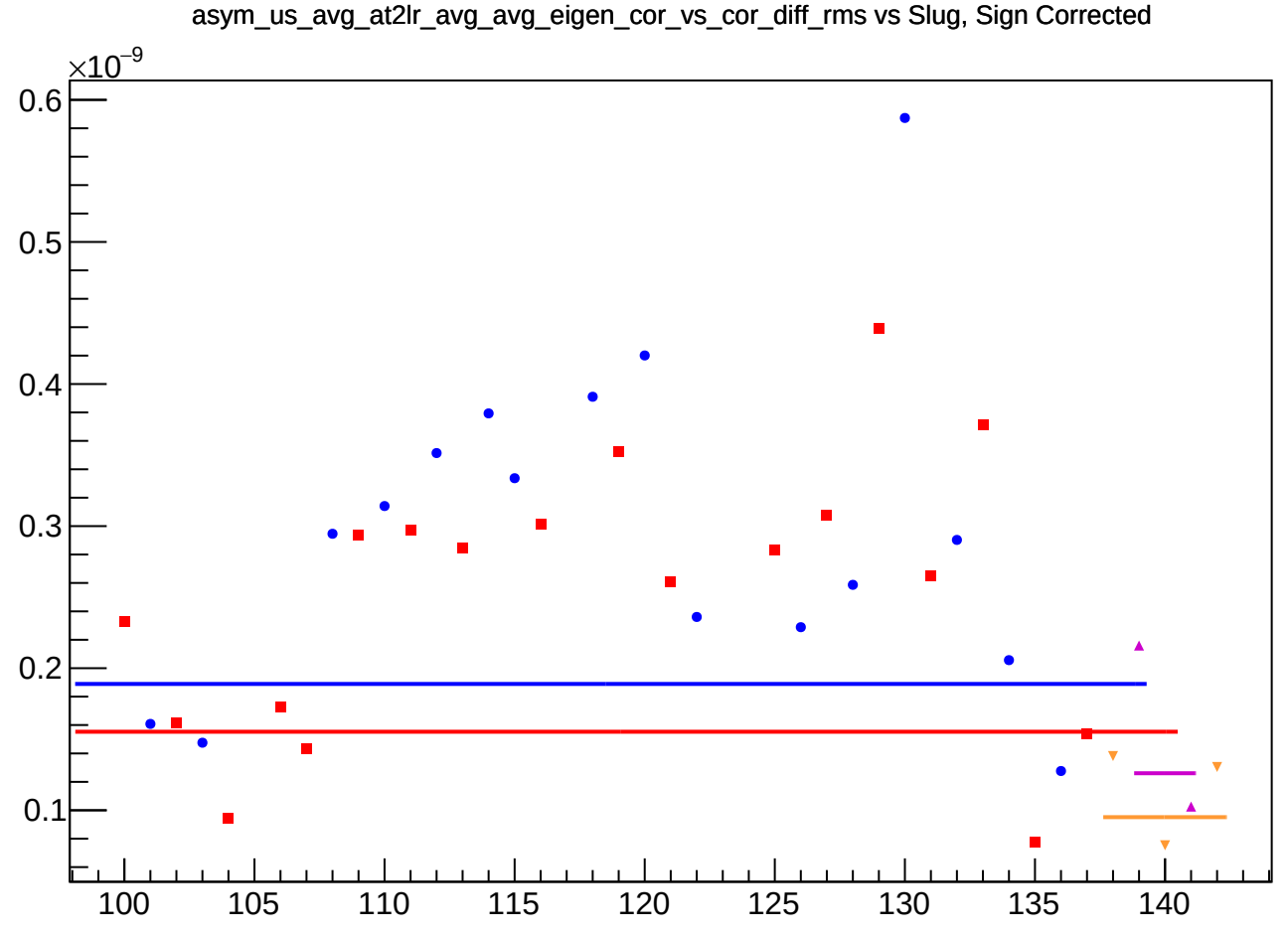
Left: -0.000+/-0.000 χ^2/NDF: 4.6/4

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:16.0/20

All: 0.000+/-0.000 χ^2/NDF: 30.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:220461.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:267922.7/1

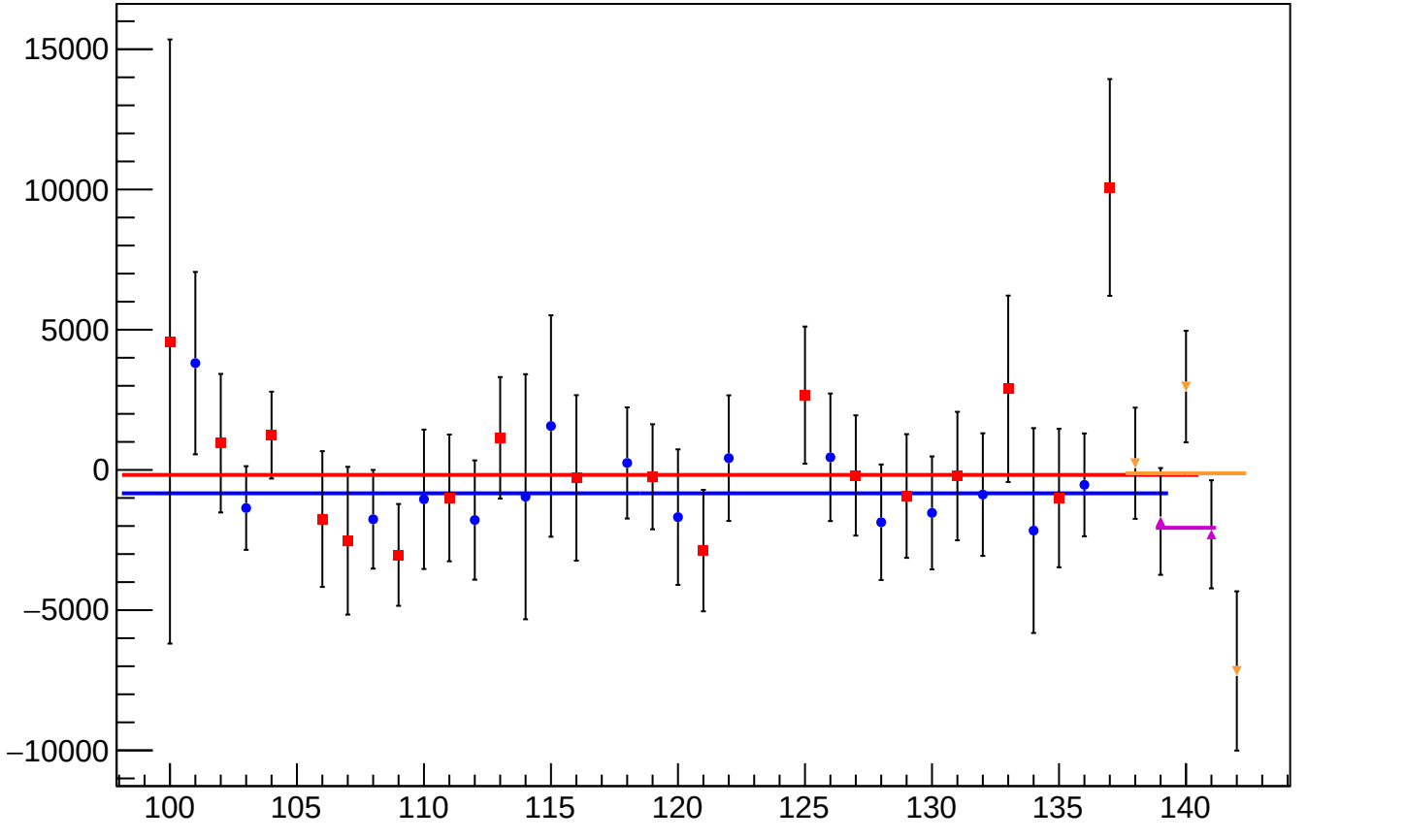
Left: 0.000+/-0.000 χ^2/NDF: 571577.3/4

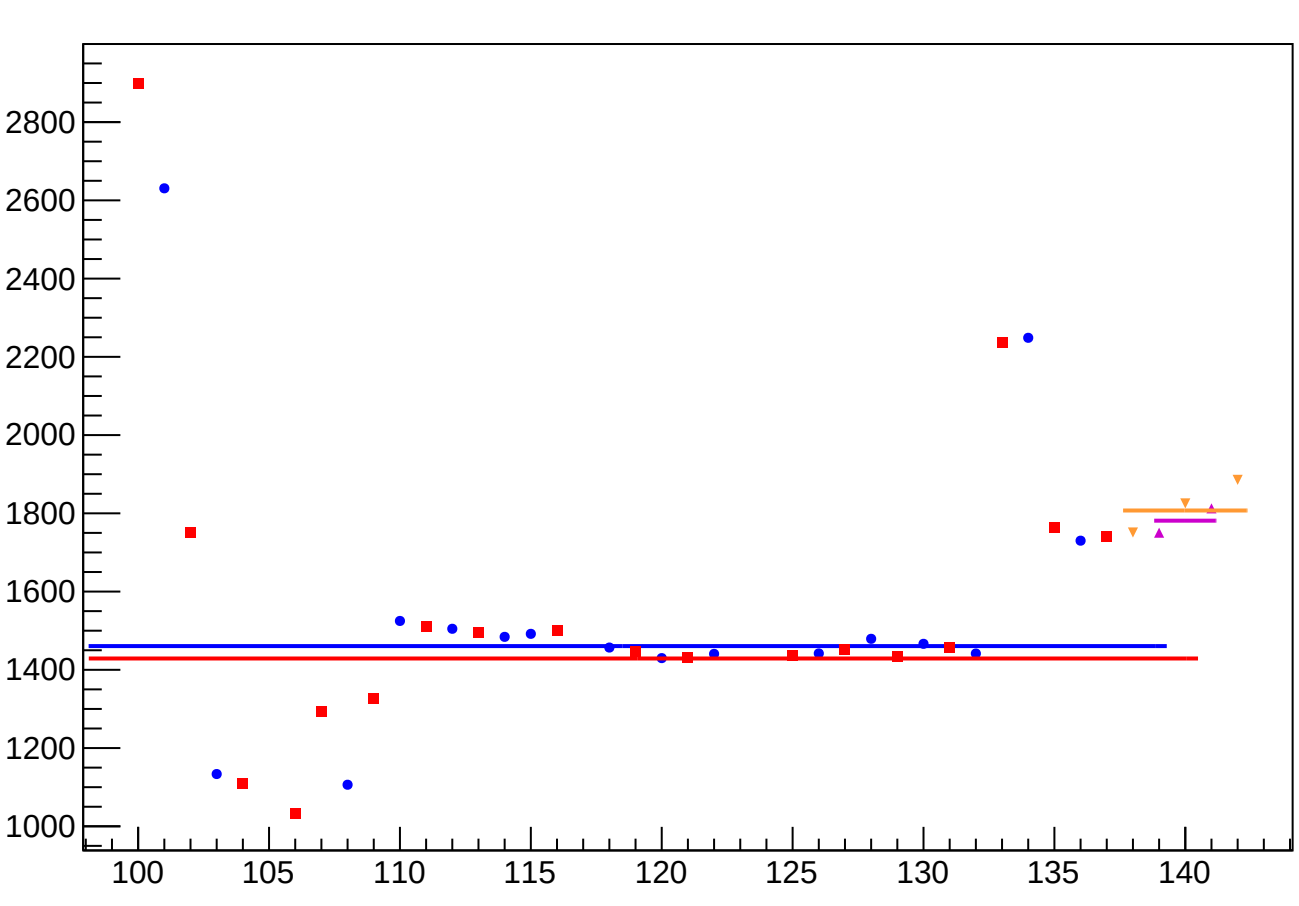
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2104142.2/17

Out: 0.000+/-0.000 χ^2/NDF:2918915.6/20

All: 0.000+/-0.000 χ^2/NDF: 5370148.8/38


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: -120.970+/-1258.326 χ²/NDF:8.6/2
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -2063.278+/-1354.289 χ²/NDF:0.0/1
Left: -1020.878+/-921.831 χ²/NDF: 9.7/4
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1010.226+/-513.417 χ²/NDF:5.3/17
Out: -169.159+/-502.287 χ²/NDF:25.1/20
All: -580.477+/-359.041 χ²/NDF: 31.8/38



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

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: 1795.192+/-0.652 χ^2/NDF: 4747.5/4

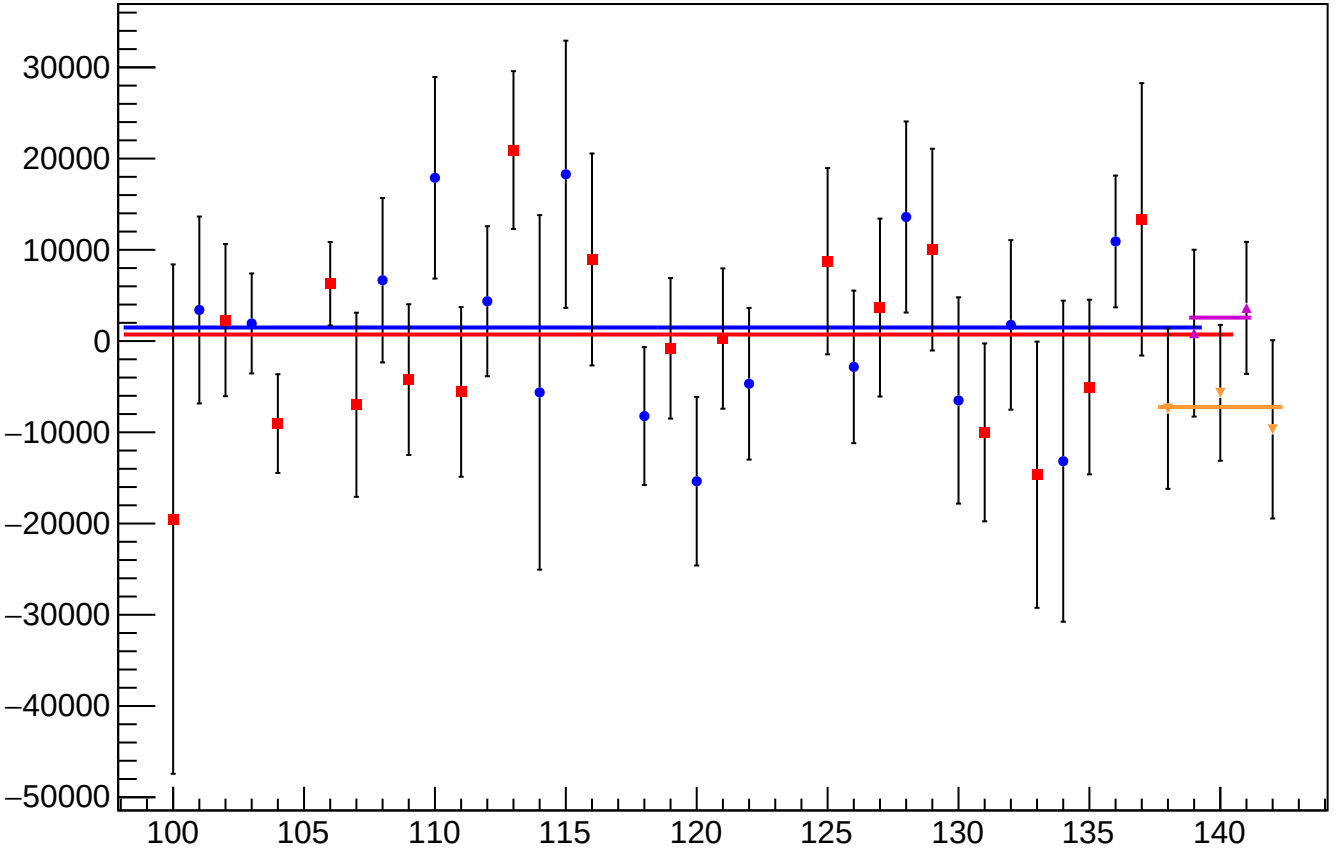
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1506.728+/-0.363 χ^2/NDF:672752.1/17

Out: 1488.470+/-0.353 χ^2/NDF:566893.8/20

All: 1497.342+/-0.253 χ^2/NDF: 1240946.1/38

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -7225.394+/-4911.844 χ^2/NDF:0.1/2

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: -3028.405+/-3713.580 χ^2/NDF: 1.9/4

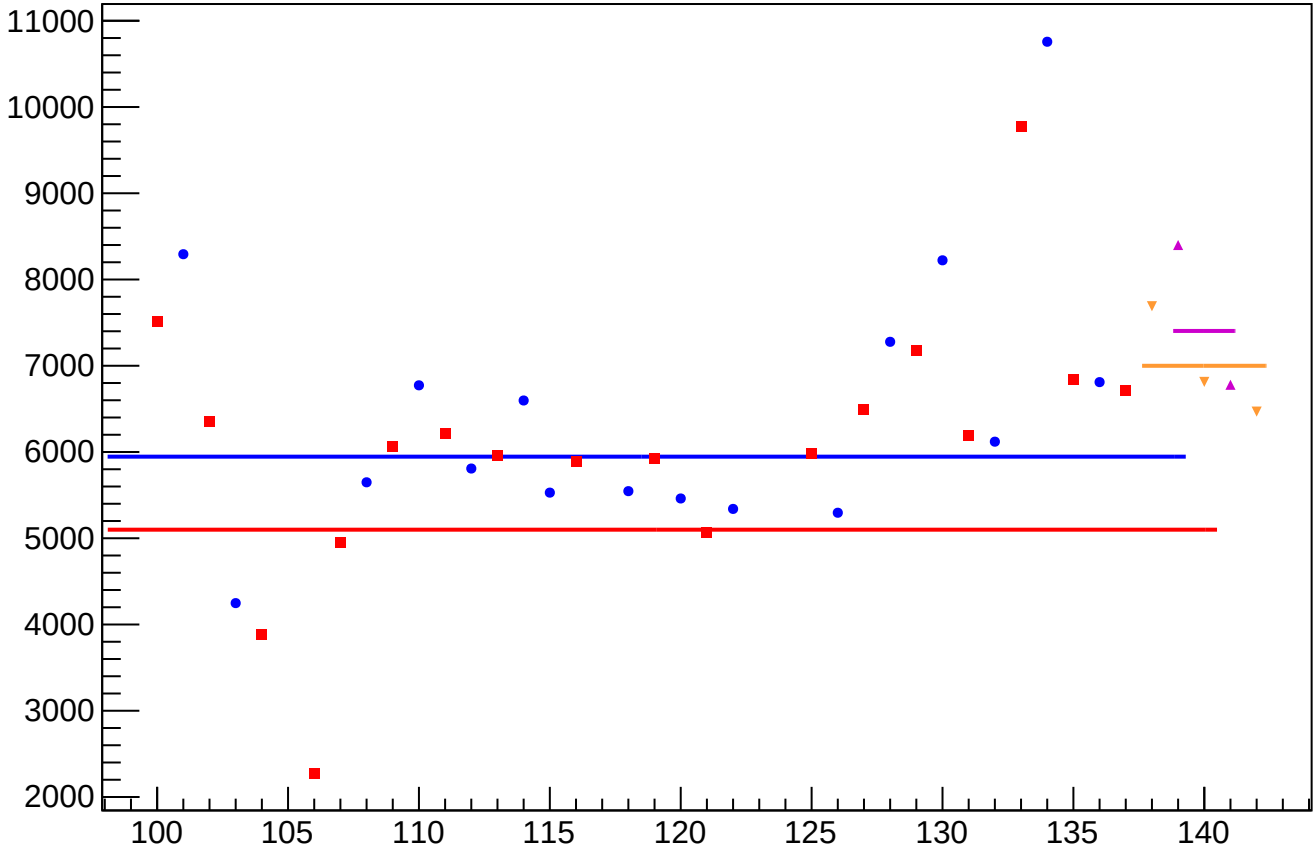
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 1636.814+/-2106.000 χ^2/NDF:14.3/17

Out: -421.038+/-1861.504 χ^2/NDF:19.9/20

All: 481.553+/-1394.752 χ^2/NDF: 34.7/38

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: 6999.598+/-3.473 χ^2/NDF:19508.1/2

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7403.613+/-4.012 χ^2/NDF:38623.8/1

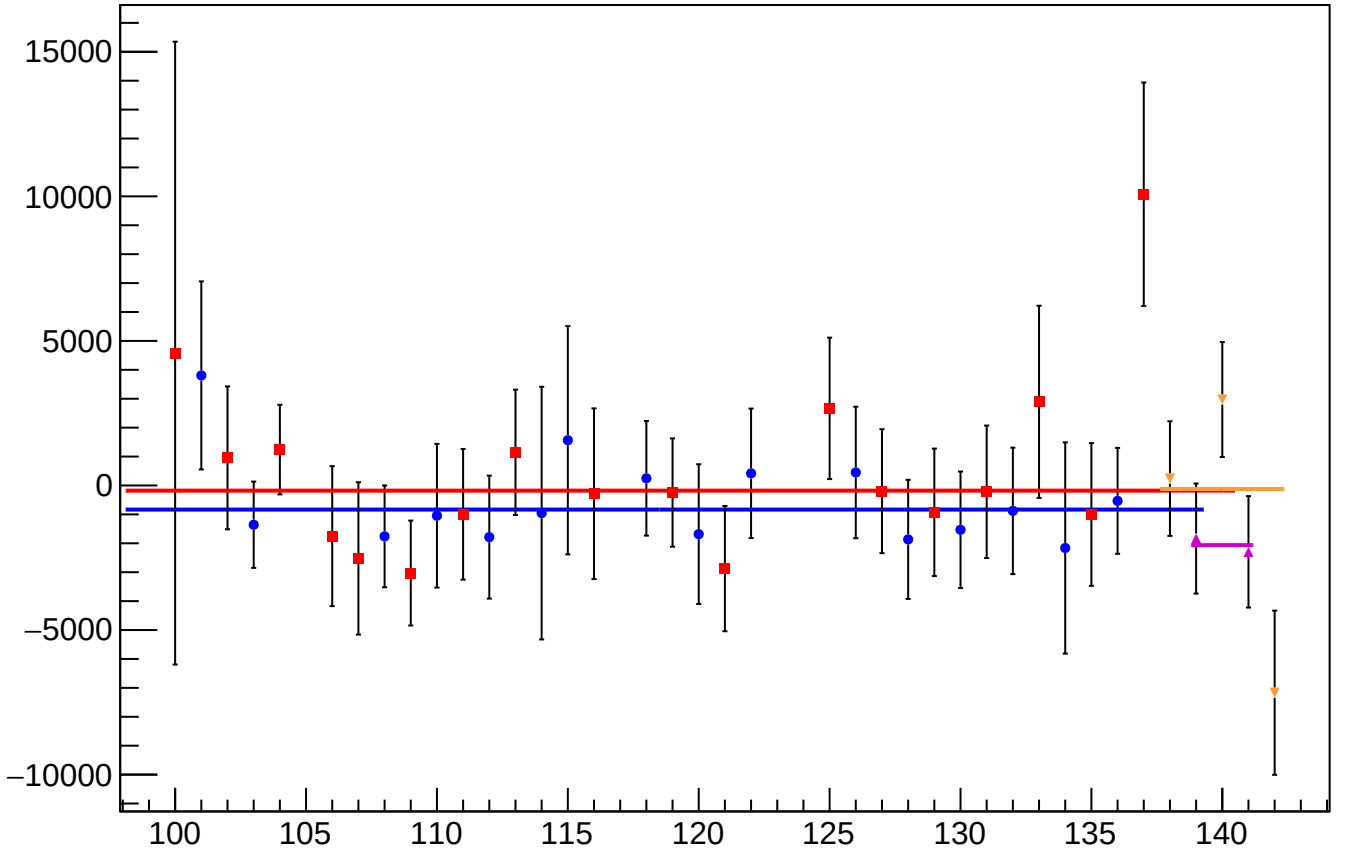
Left: 7172.676+/-2.626 χ^2/NDF: 63928.5/4

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6146.893+/-1.489 χ^2/NDF:793555.9/17

Out: 5372.300+/-1.316 χ^2/NDF:1756213.3/20

All: 5712.043+/-0.986 χ^2/NDF: 2701658.4/38



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: -121.010+/-1258.326 χ^2/NDF:8.6/2

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -2063.243+/-1354.289 χ^2/NDF:0.0/1

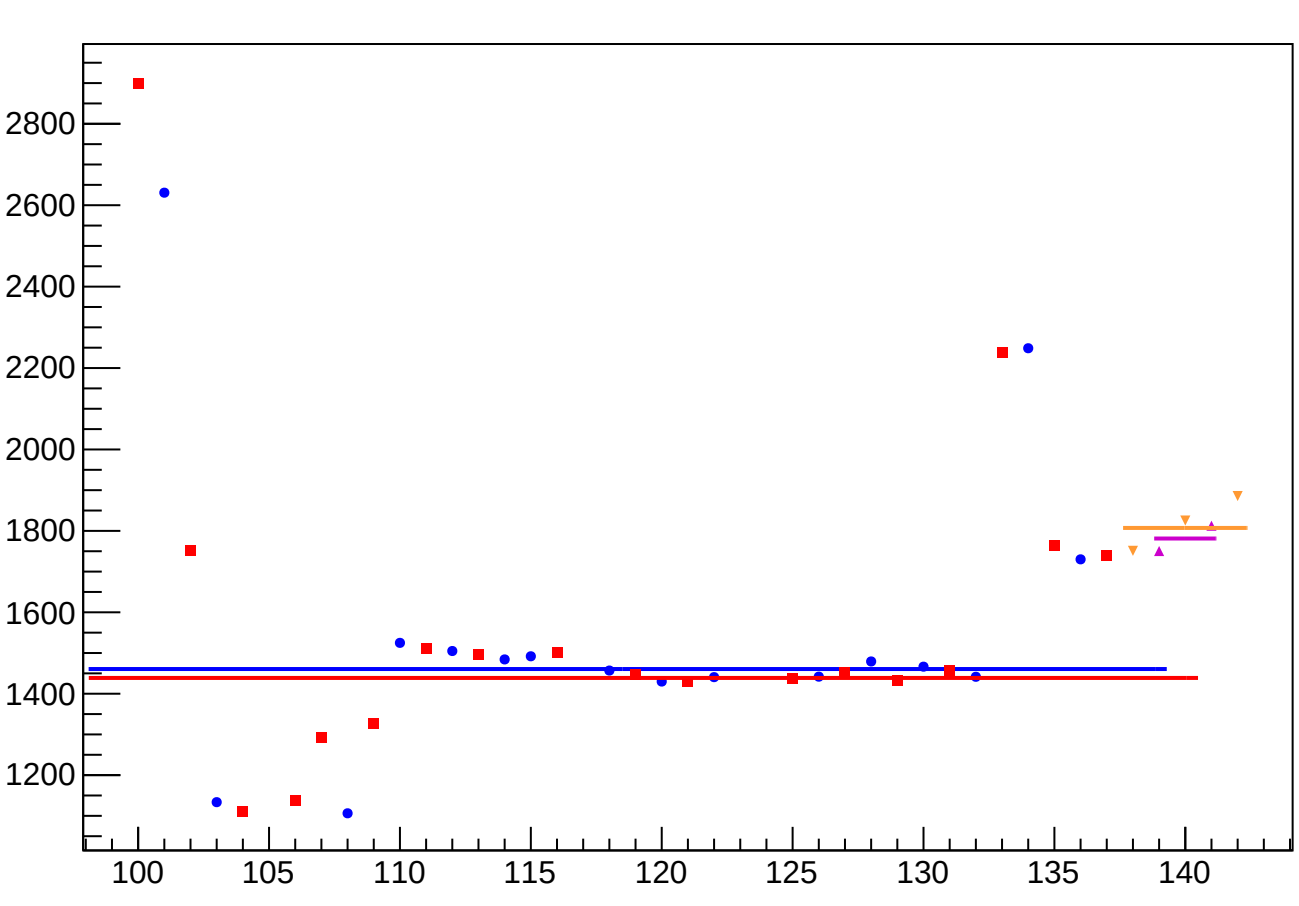
Left: -1020.883+/-921.831 χ^2/NDF: 9.7/4

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1010.275+/-513.417 χ^2/NDF:5.3/17

Out: -169.031+/-502.287 χ^2/NDF:25.1/20

All: -580.435+/-359.041 χ^2/NDF: 31.8/38



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

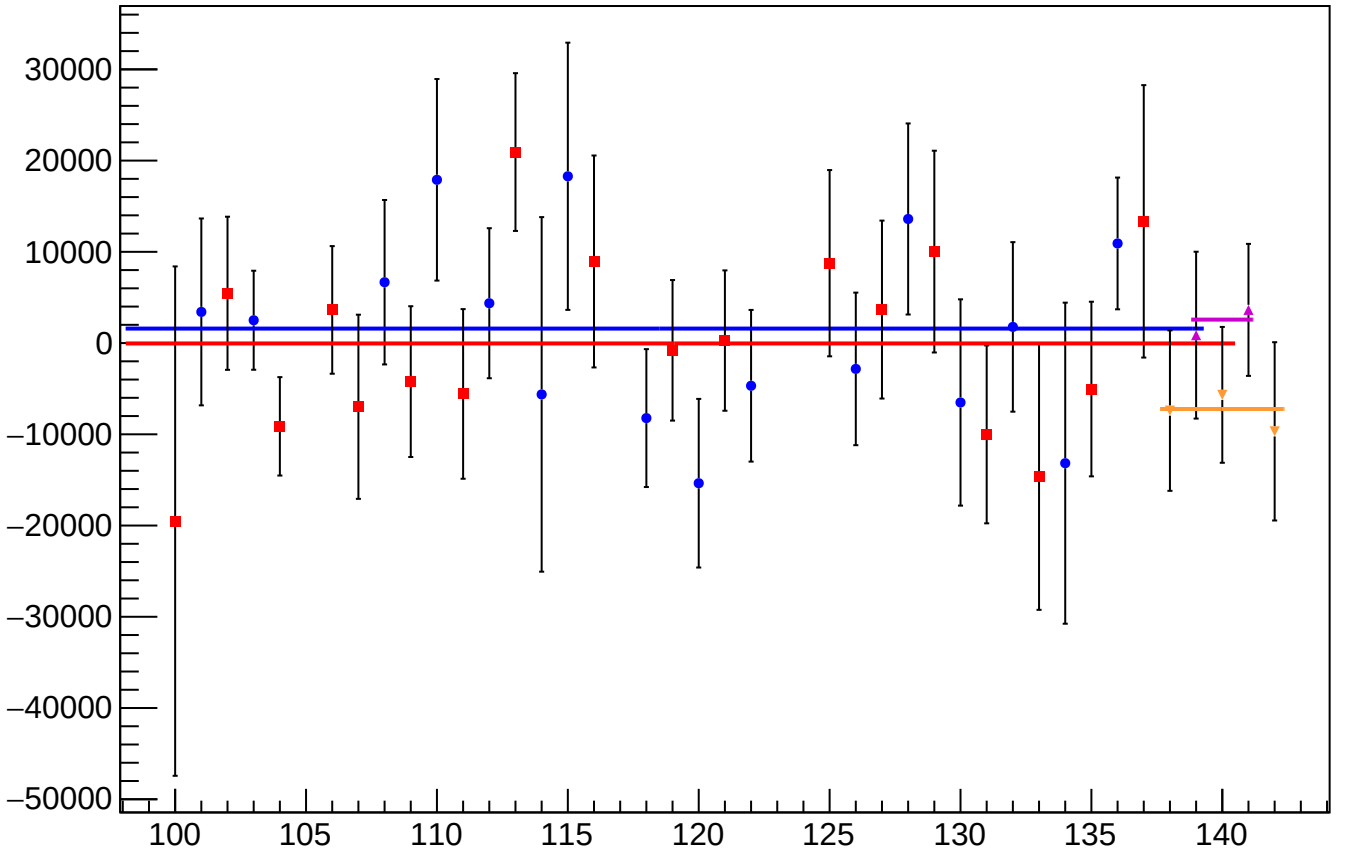
Left: 1795.192+/-0.652 χ^2/NDF: 4747.5/4

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1506.728+/-0.363 χ^2/NDF:672752.5/17

Out: 1497.250+/-0.354 χ^2/NDF:520951.8/20

All: 1501.876+/-0.254 χ^2/NDF: 1194053.2/38



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7225.469+/-4911.839 χ^2/NDF:0.1/2

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: -3028.425+/-3713.578 χ^2/NDF: 1.9/4

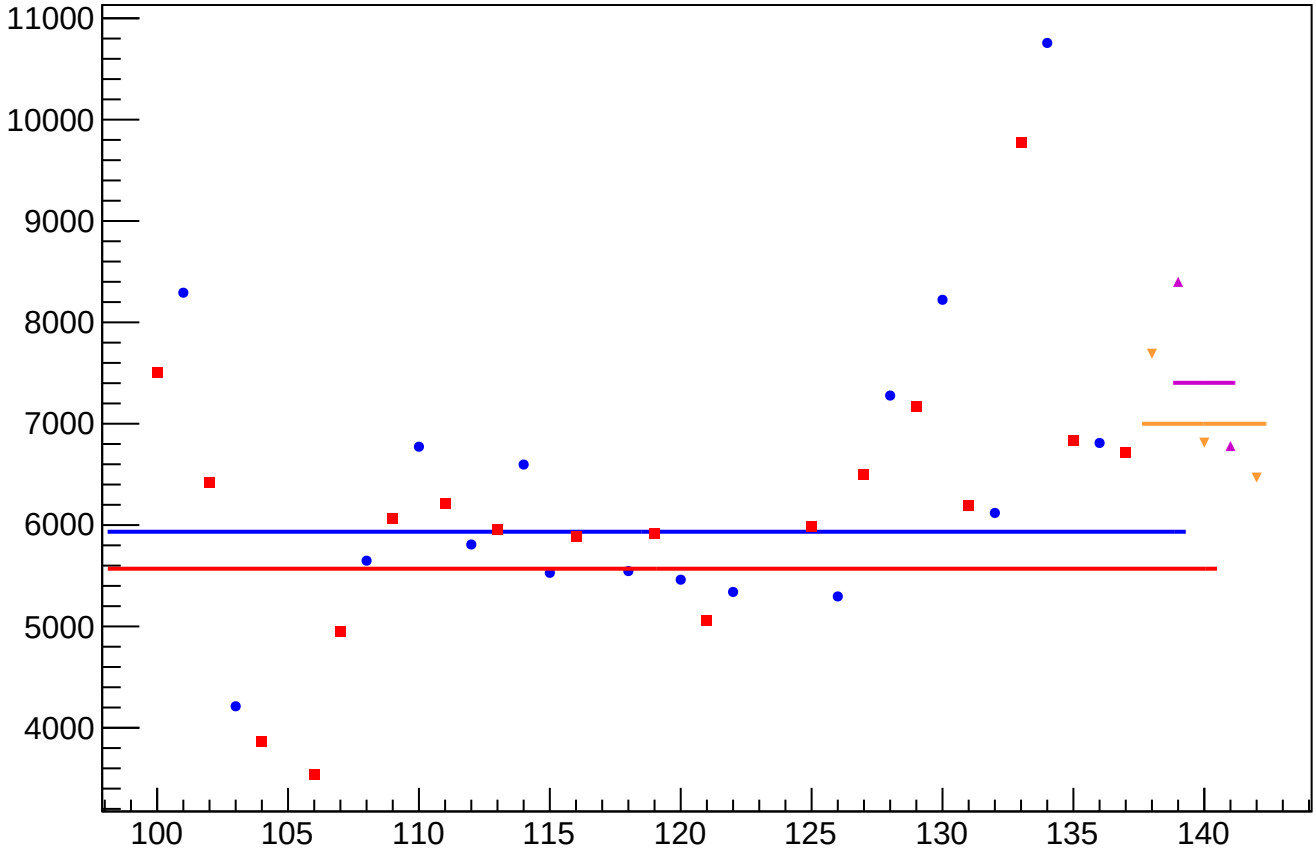
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1723.706+/-2102.982 χ^2/NDF:14.3/17

Out: -1180.617+/-1956.516 χ^2/NDF:18.4/20

All: 166.893+/-1432.449 χ^2/NDF: 33.7/38

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: 6999.591+/-3.473 χ^2/NDF:19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7403.610+/-4.012 χ^2/NDF:38623.4/1

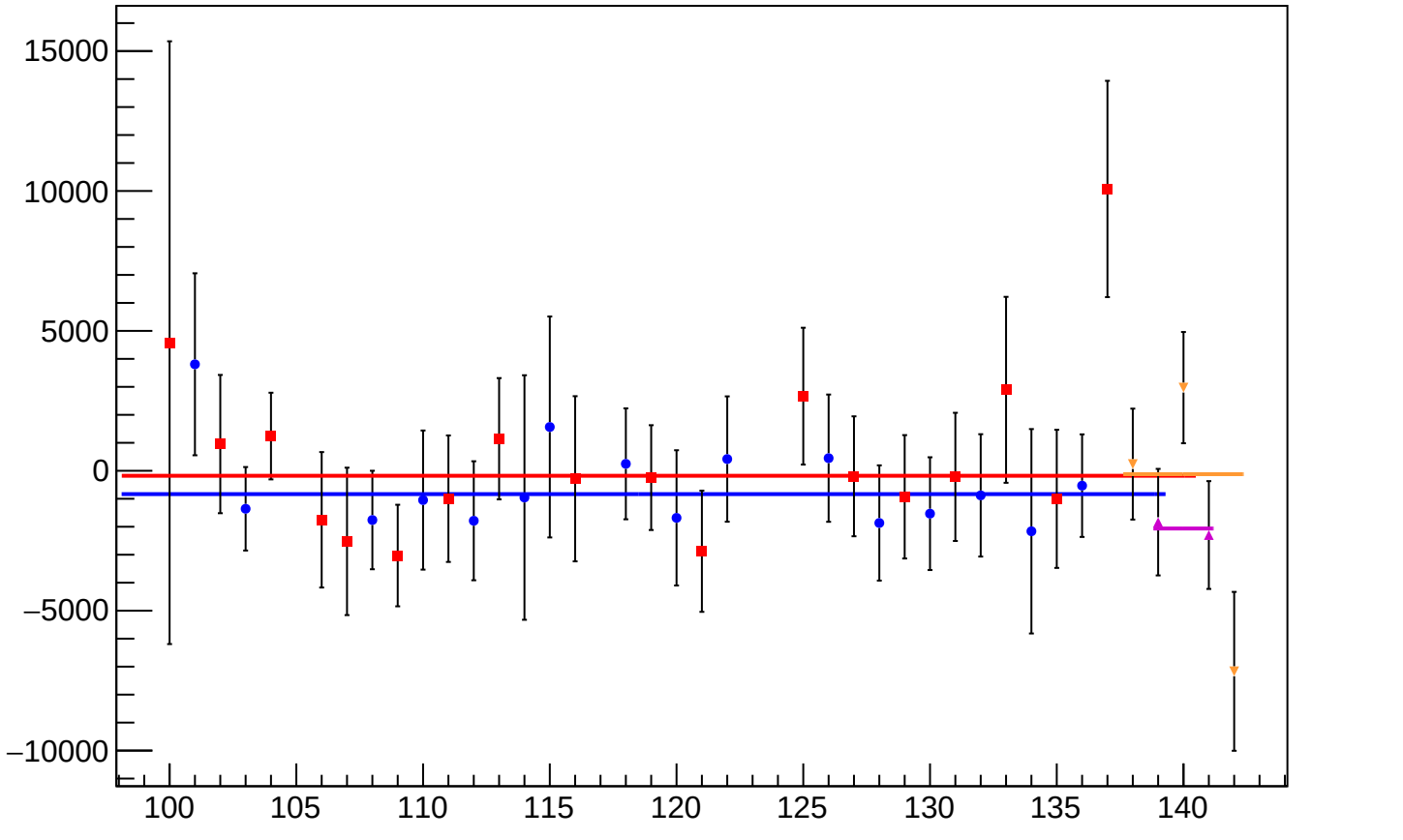
Left: 7172.670+/-2.626 χ^2/NDF: 63928.0/4

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6136.078+/-1.487 χ^2/NDF:807420.8/17

Out: 5796.493+/-1.383 χ^2/NDF:886174.5/20

All: 5954.049+/-1.013 χ^2/NDF: 1721549.4/38



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: -121.010+/-1258.326 χ^2/NDF:8.6/2

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -2063.243+/-1354.289 χ^2/NDF:0.0/1

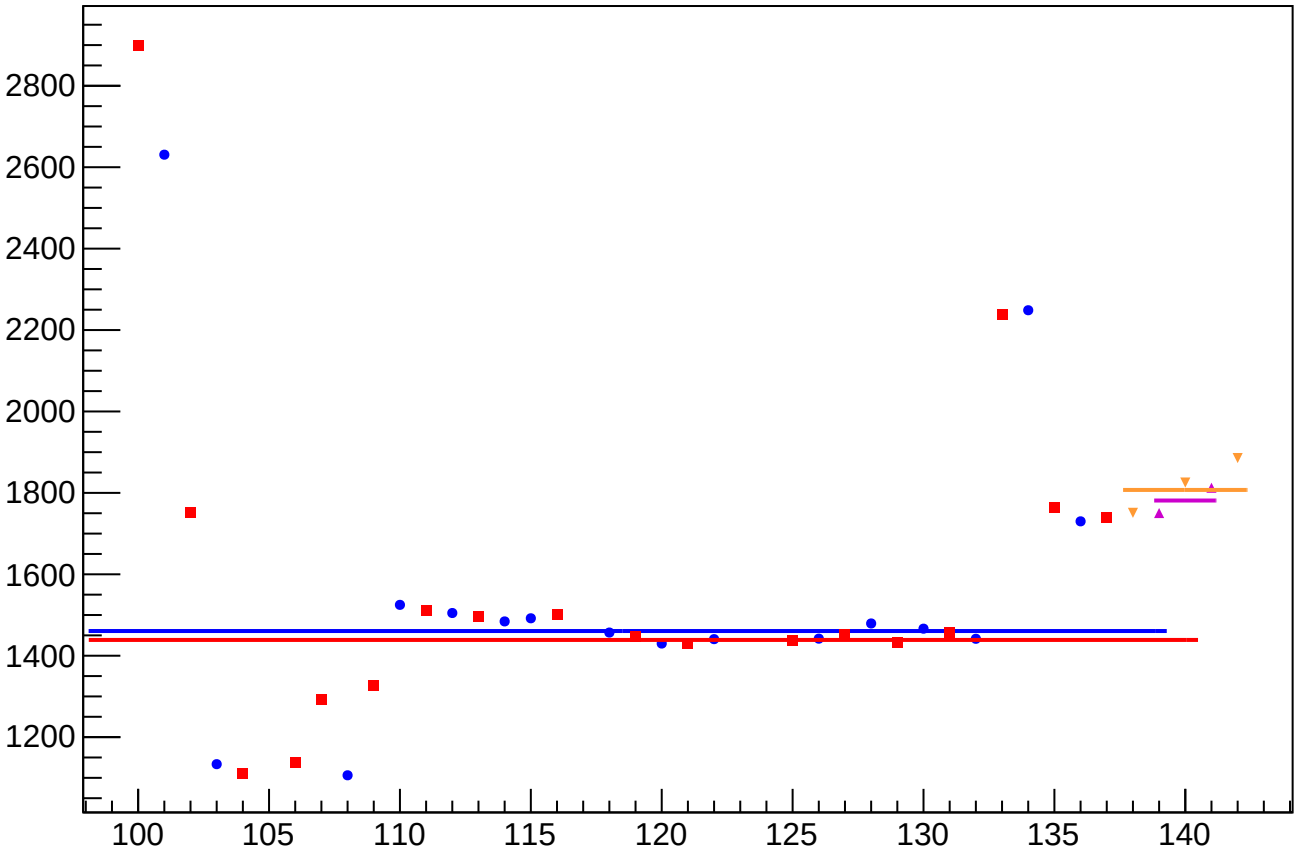
Left: -1020.883+/-921.831 χ^2/NDF: 9.7/4

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1010.275+/-513.417 χ^2/NDF:5.3/17

Out: -169.031+/-502.287 χ^2/NDF:25.1/20

All: -580.435+/-359.041 χ^2/NDF: 31.8/38



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1807.239+/-0.890 χ^2/NDF:3298.9/2

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1781.237+/-0.958 χ^2/NDF:1052.9/1

Left: 1795.192+/-0.652 χ^2/NDF: 4747.5/4

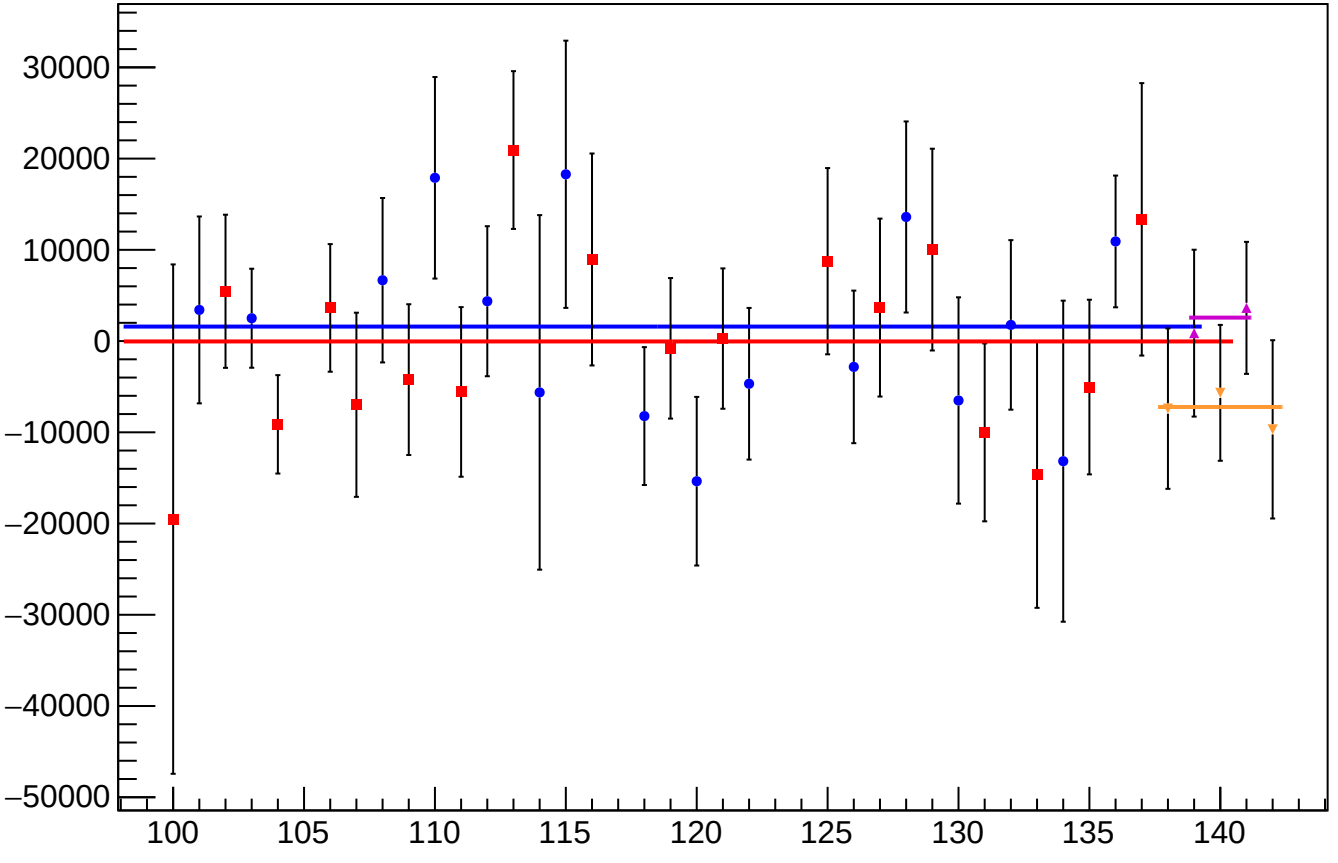
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1506.728+/-0.363 χ^2/NDF:672752.5/17

Out: 1497.250+/-0.354 χ^2/NDF:520951.8/20

All: 1501.876+/-0.254 χ^2/NDF: 1194053.2/38

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -7225.469+/-4911.839 χ^2/NDF:0.1/2

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: -3028.425+/-3713.578 χ^2/NDF: 1.9/4

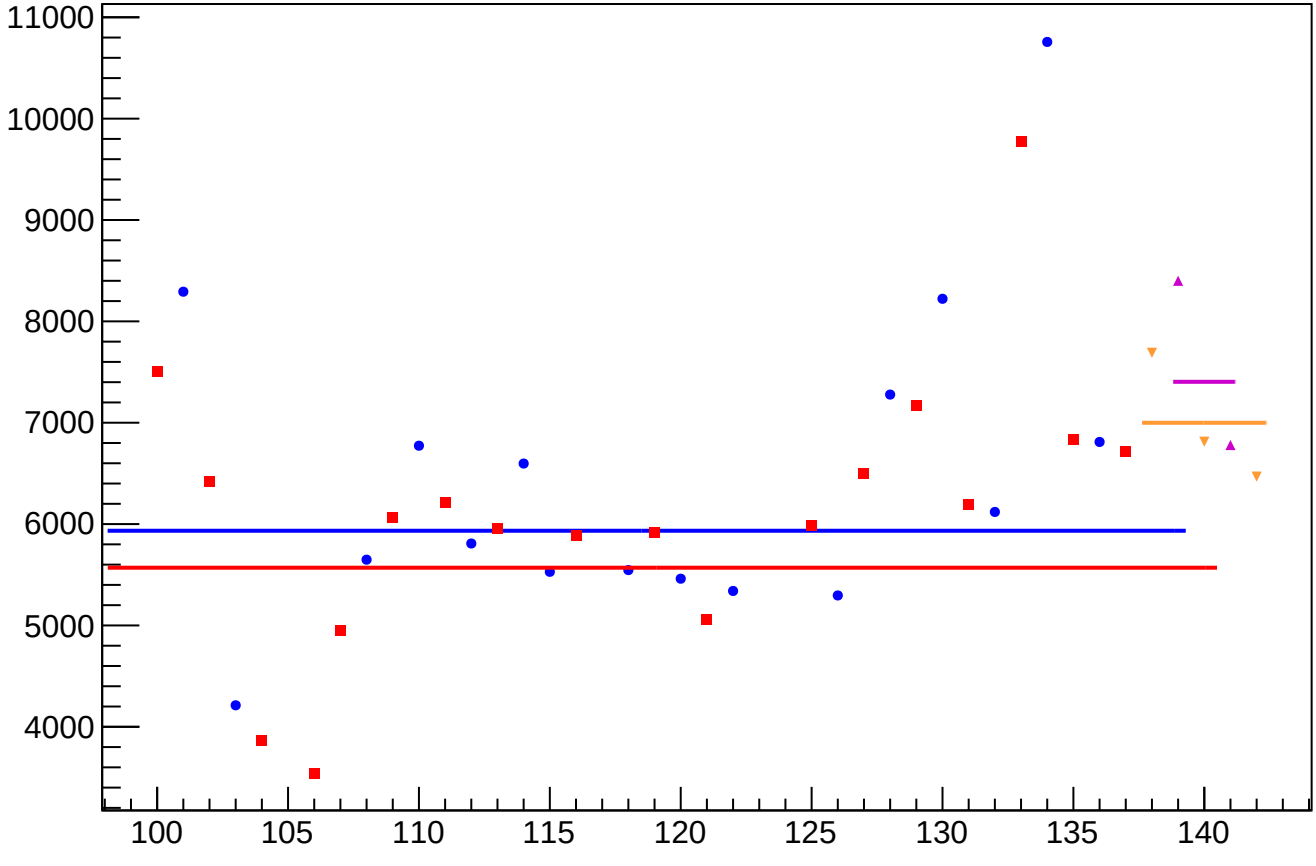
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 1723.706+/-2102.982 χ^2/NDF:14.3/17

Out: -1180.617+/-1956.516 χ^2/NDF:18.4/20

All: 166.893+/-1432.449 χ^2/NDF: 33.7/38

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: 6999.591+/-3.473 χ^2/NDF:19507.8/2

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7403.610+/-4.012 χ^2/NDF:38623.4/1

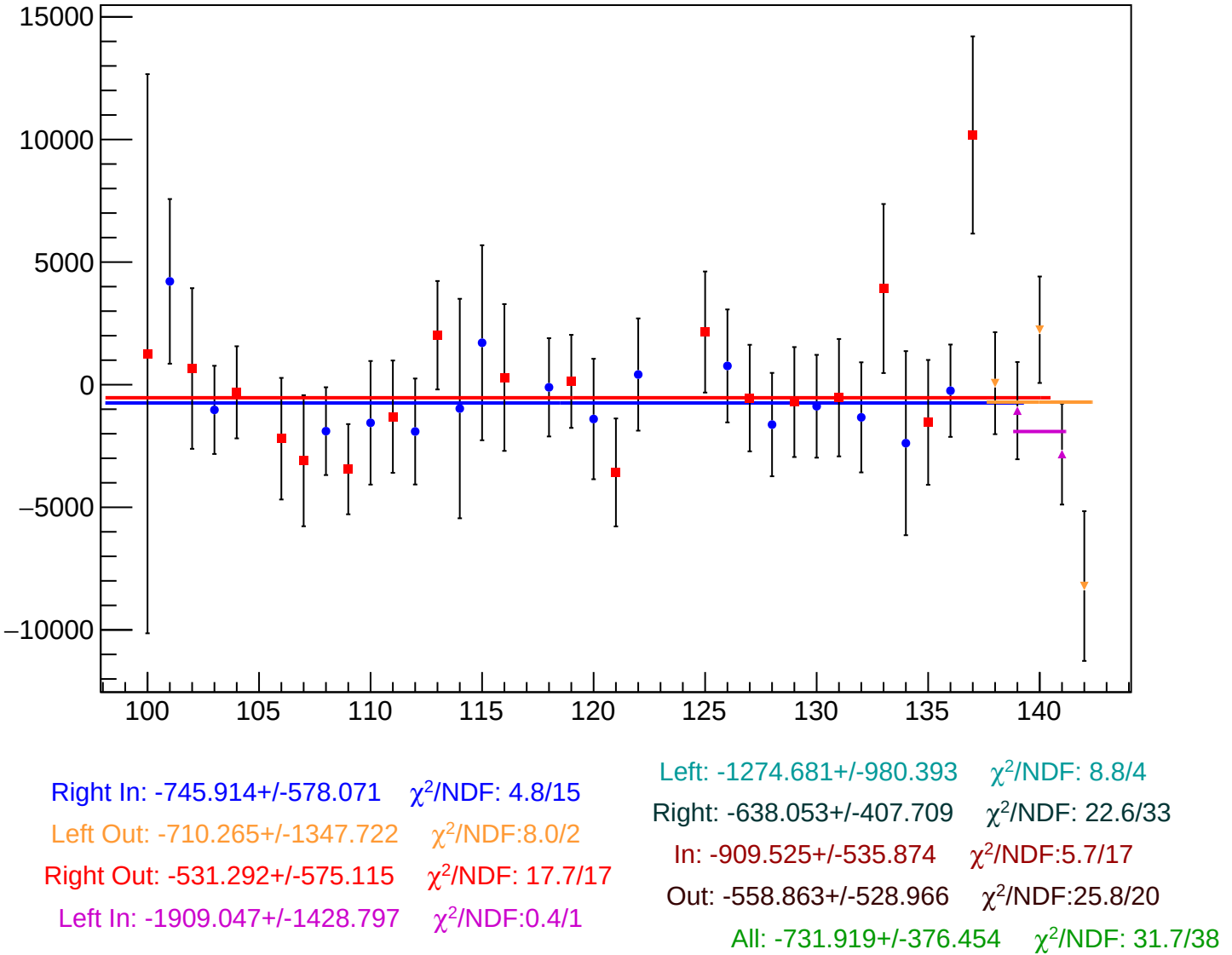
Left: 7172.670+/-2.626 χ^2/NDF: 63928.0/4

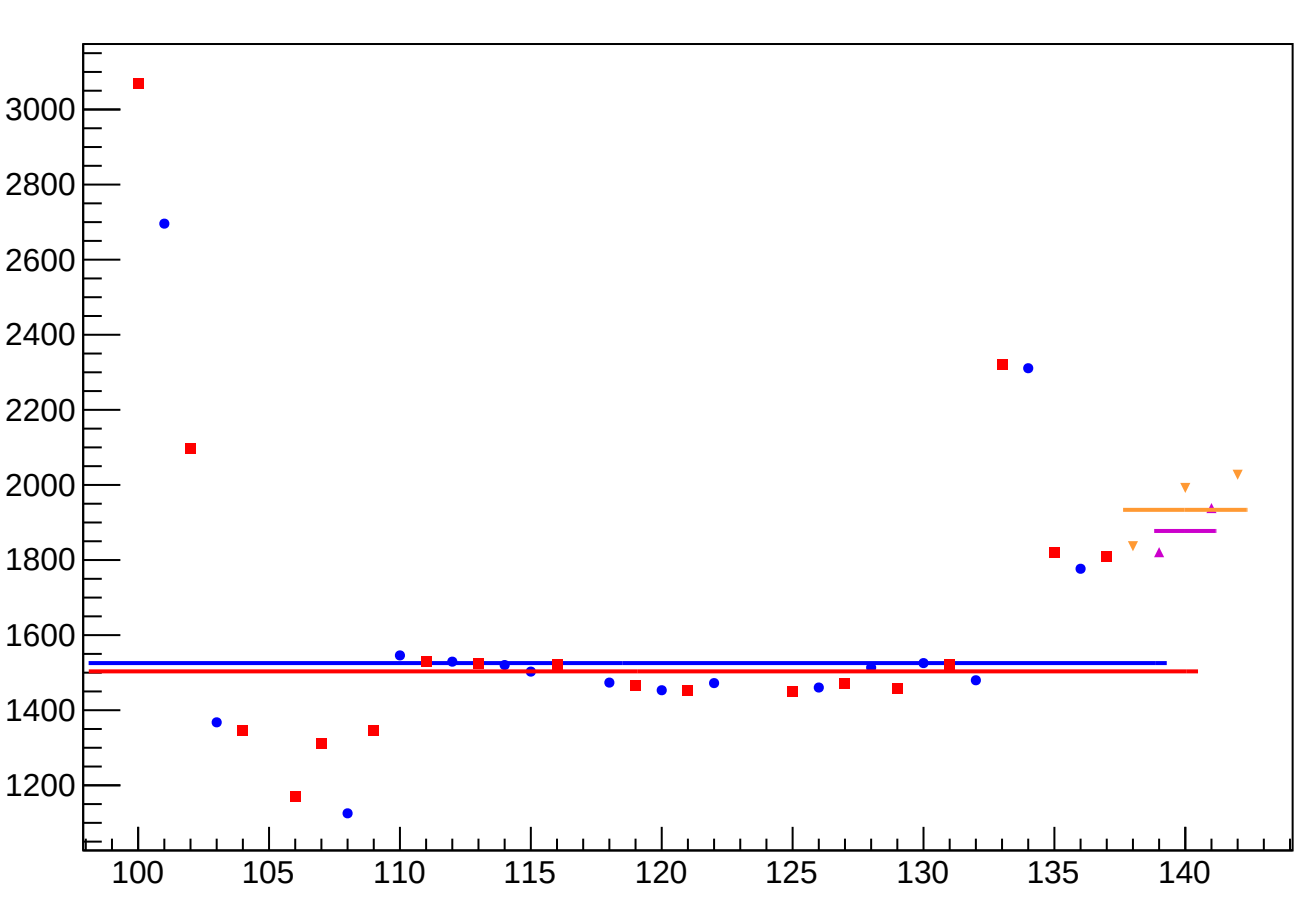
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6136.078+/-1.487 χ^2/NDF:807420.8/17

Out: 5796.493+/-1.383 χ^2/NDF:886174.5/20

All: 5954.049+/-1.013 χ^2/NDF: 1721549.4/38


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: -710.265+/-1347.722 χ²/NDF:8.0/2
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1909.047+/-1428.797 χ²/NDF:0.4/1
Left: -1274.681+/-980.393 χ²/NDF: 8.8/4
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -909.525+/-535.874 χ²/NDF:5.7/17
Out: -558.863+/-528.966 χ²/NDF:25.8/20
All: -731.919+/-376.454 χ²/NDF: 31.7/38



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1933.688+/-0.953 χ^2/NDF:7657.2/2

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: 1907.201+/-0.693 χ^2/NDF: 12676.2/4

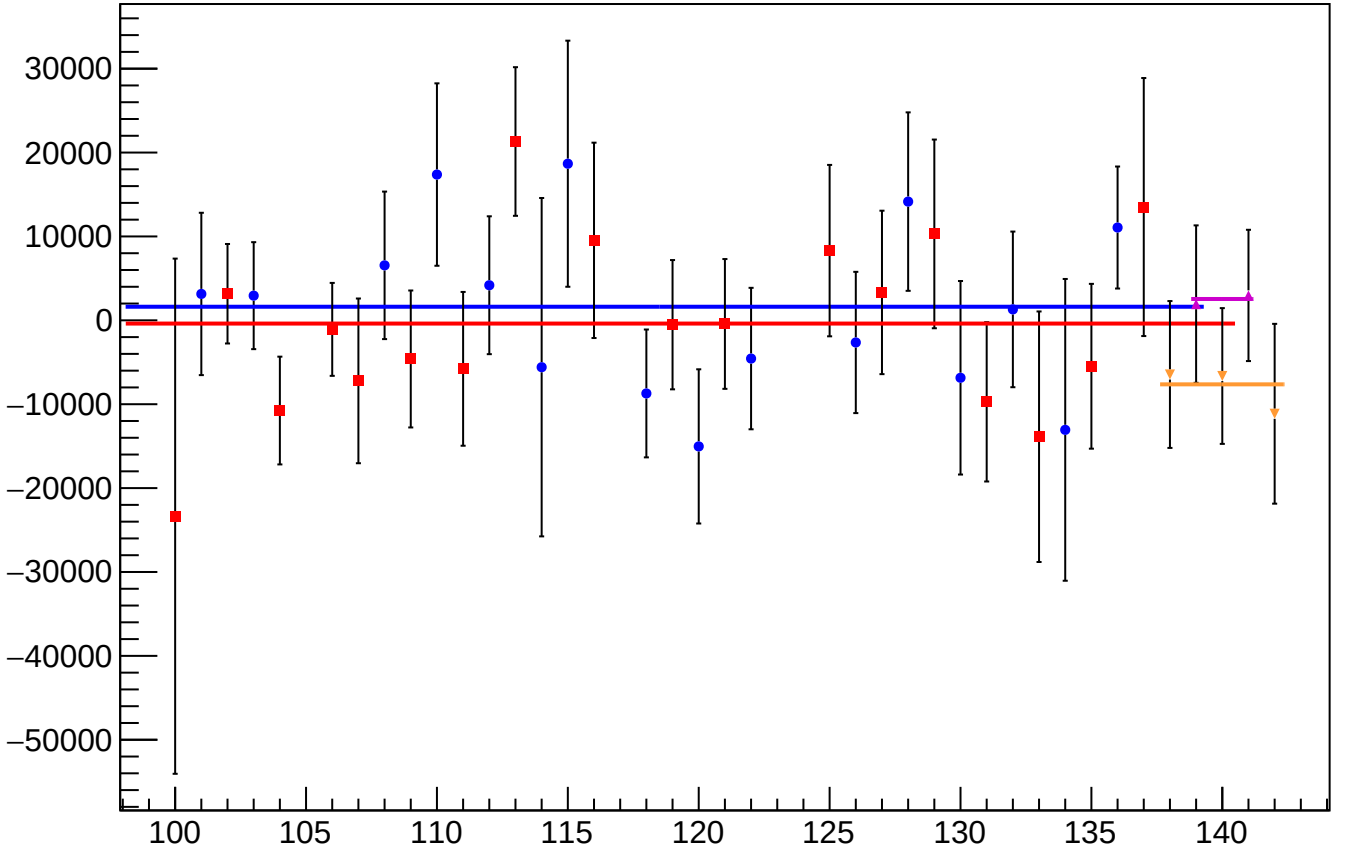
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1575.035+/-0.379 χ^2/NDF:595957.8/17

Out: 1569.681+/-0.374 χ^2/NDF:518614.5/20

All: 1572.323+/-0.266 χ^2/NDF: 1114673.5/38

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -7631.774+/-5196.844 χ^2/NDF:0.1/2

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: -3278.381+/-3931.042 χ^2/NDF: 1.8/4

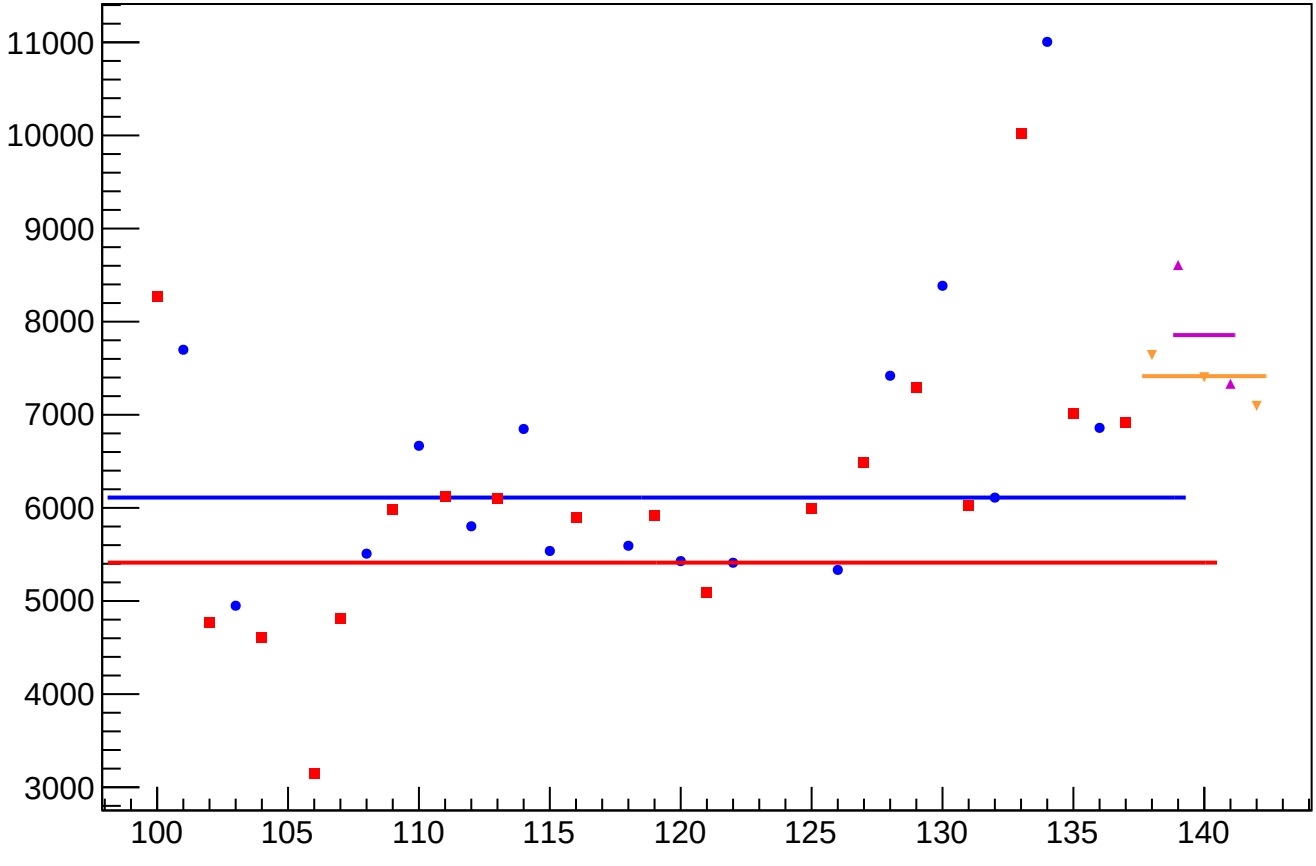
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1739.894+/-2164.368 χ^2/NDF:14.3/17

Out: -1370.583+/-1915.731 χ^2/NDF:17.8/20

All: -4.193+/-1434.515 χ^2/NDF: 33.3/38

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: 7414.817+/-3.675 χ^2/NDF:3121.0/2

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7856.054+/-4.250 χ^2/NDF:21792.4/1

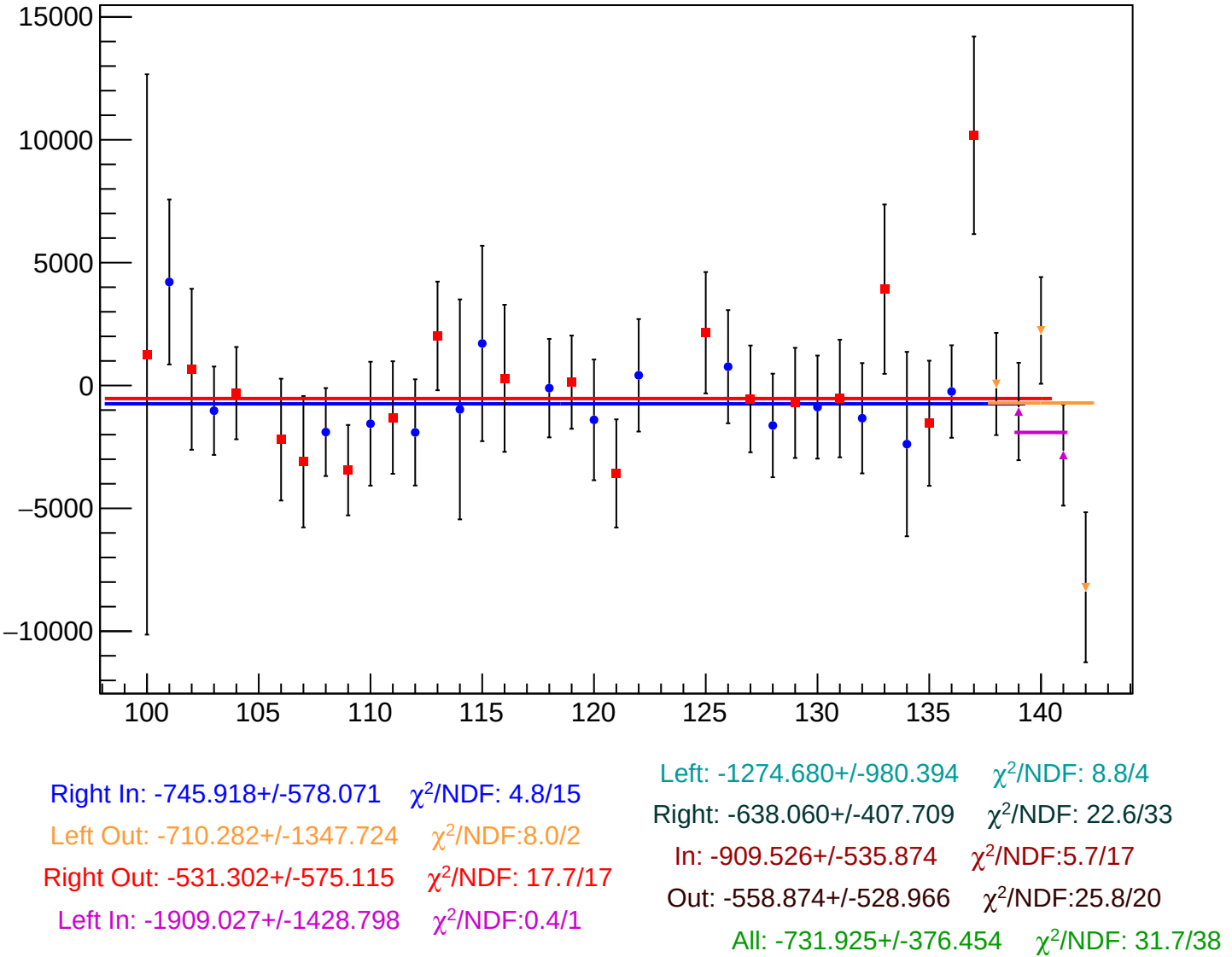
Left: 7603.585+/-2.780 χ^2/NDF: 31081.6/4

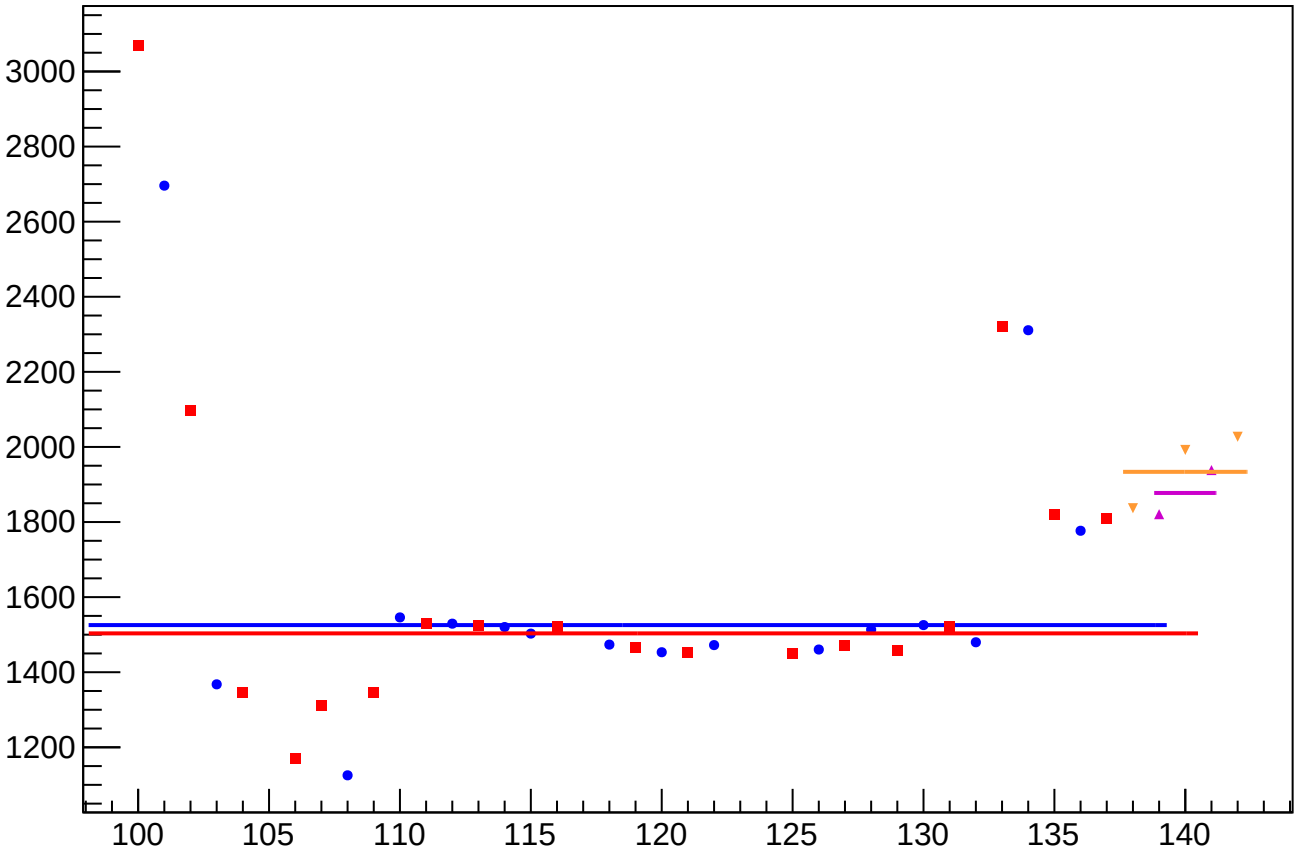
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6337.347+/-1.530 χ^2/NDF:640192.8/17

Out: 5684.402+/-1.355 χ^2/NDF:1081266.4/20

All: 5971.232+/-1.014 χ^2/NDF: 1823520.5/38


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: -710.282+/-1347.724 χ²/NDF:8.0/2
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1909.027+/-1428.798 χ²/NDF:0.4/1
Left: -1274.680+/-980.394 χ²/NDF: 8.8/4
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -909.526+/-535.874 χ²/NDF:5.7/17
Out: -558.874+/-528.966 χ²/NDF:25.8/20
All: -731.925+/-376.454 χ²/NDF: 31.7/38



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1933.690+/-0.953 χ^2/NDF:7657.3/2

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1877.434+/-1.010 χ^2/NDF:3378.1/1

Left: 1907.203+/-0.693 χ^2/NDF: 12676.1/4

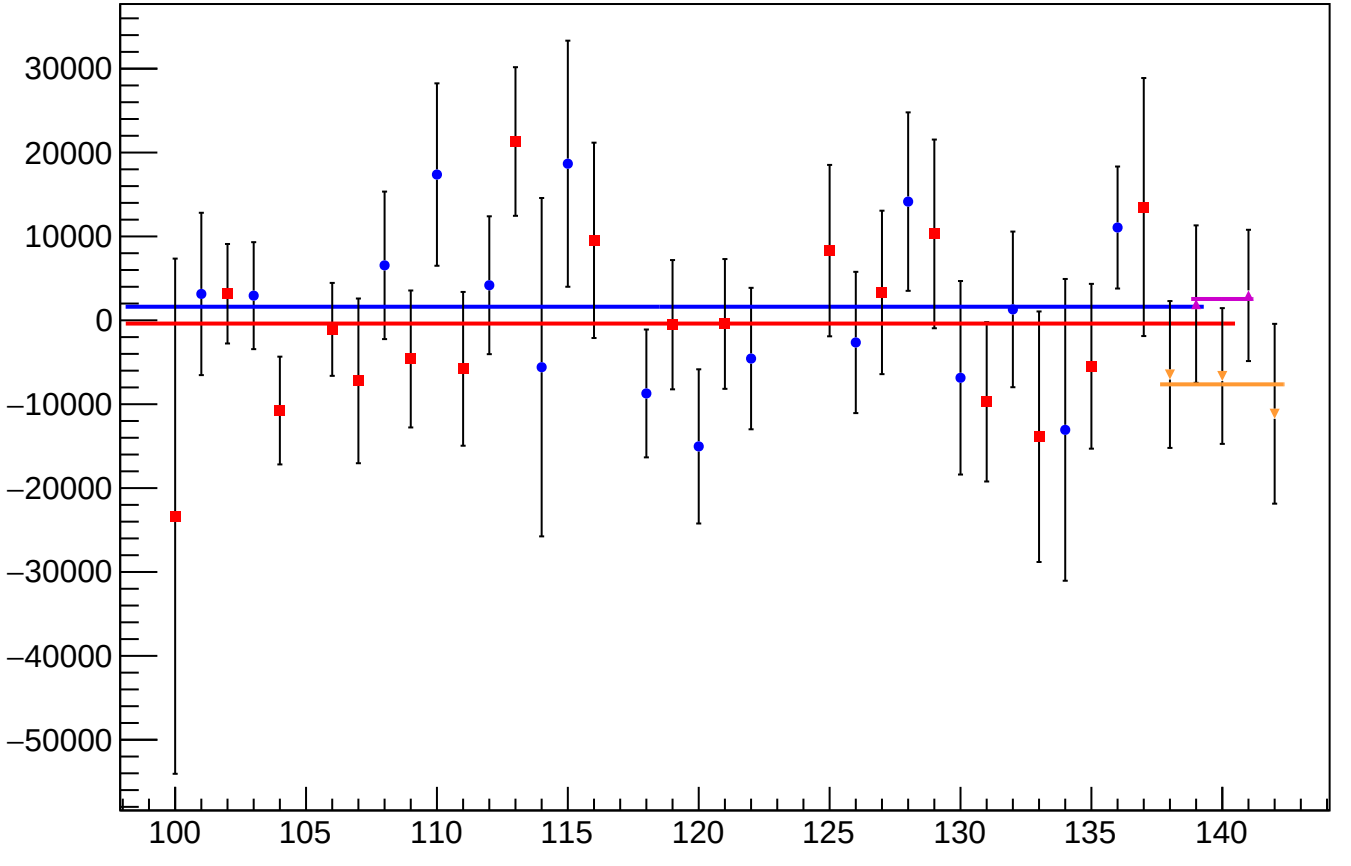
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1575.035+/-0.379 χ^2/NDF:595958.2/17

Out: 1569.682+/-0.374 χ^2/NDF:518615.9/20

All: 1572.323+/-0.266 χ^2/NDF: 1114675.2/38

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: -7631.802+/-5196.852 χ^2/NDF:0.1/2

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: -3278.387+/-3931.047 χ^2/NDF: 1.8/4

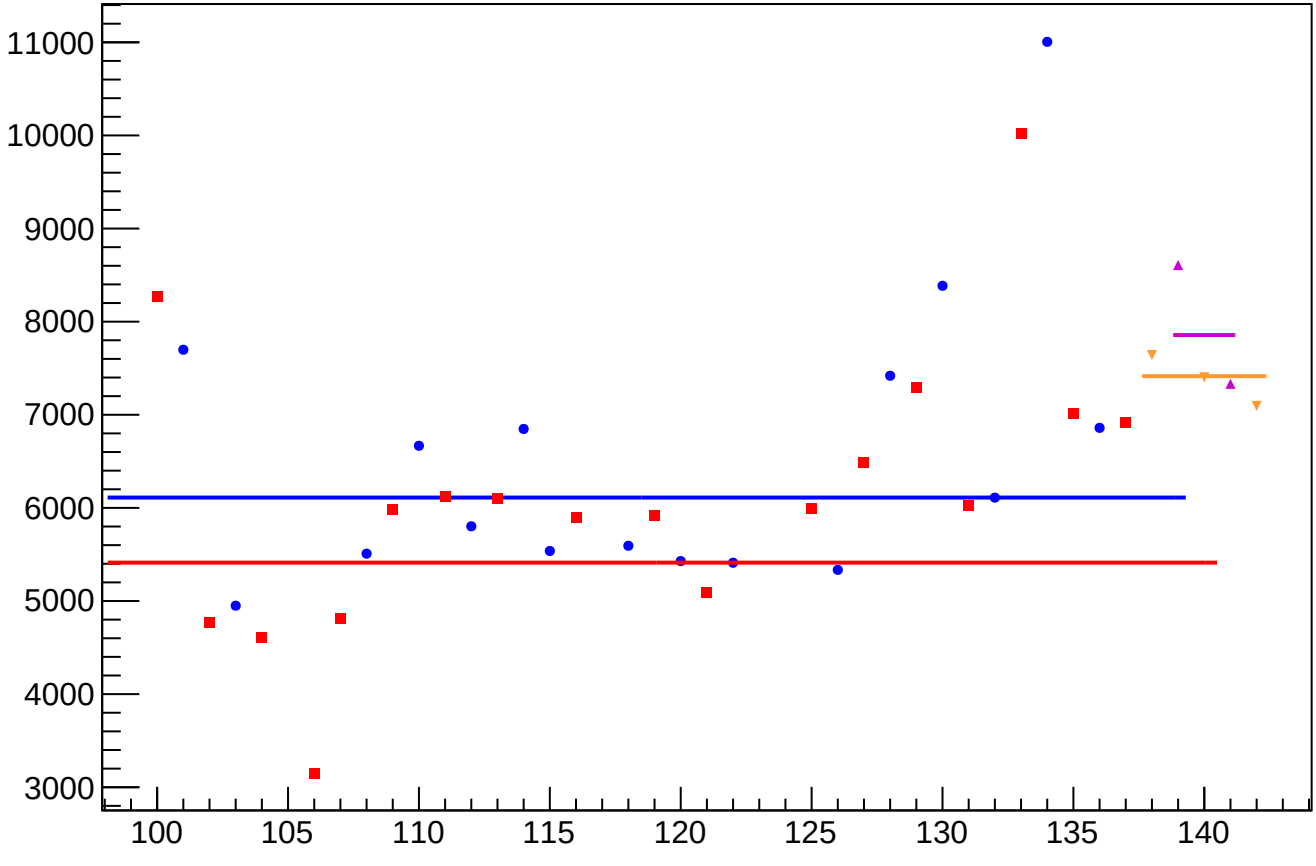
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1739.879+/-2164.365 χ^2/NDF:14.3/17

Out: -1370.586+/-1915.728 χ^2/NDF:17.8/20

All: -4.201+/-1434.512 χ^2/NDF: 33.3/38

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: 7414.828+/-3.675 χ^2/NDF:3121.1/2

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7856.065+/-4.250 χ^2/NDF:21793.0/1

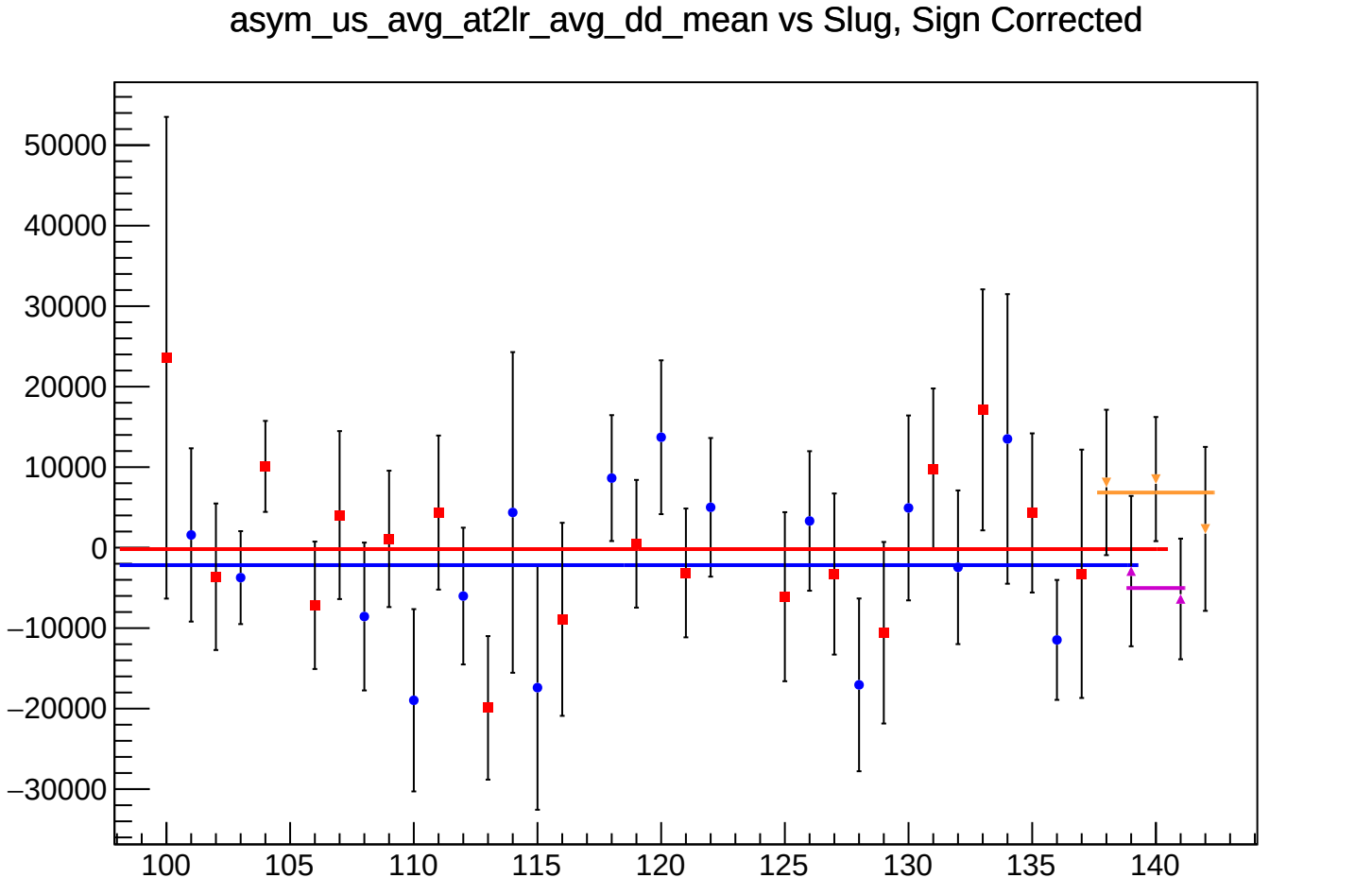
Left: 7603.596+/-2.780 χ^2/NDF: 31082.2/4

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6337.335+/-1.530 χ^2/NDF:640199.3/17

Out: 5684.393+/-1.355 χ^2/NDF:1081272.0/20

All: 5971.221+/-1.014 χ^2/NDF: 1823532.3/38



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 6844.295+/-5082.448 χ^2/NDF:0.3/2

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -5021.311+/-5845.821 χ^2/NDF:0.1/1

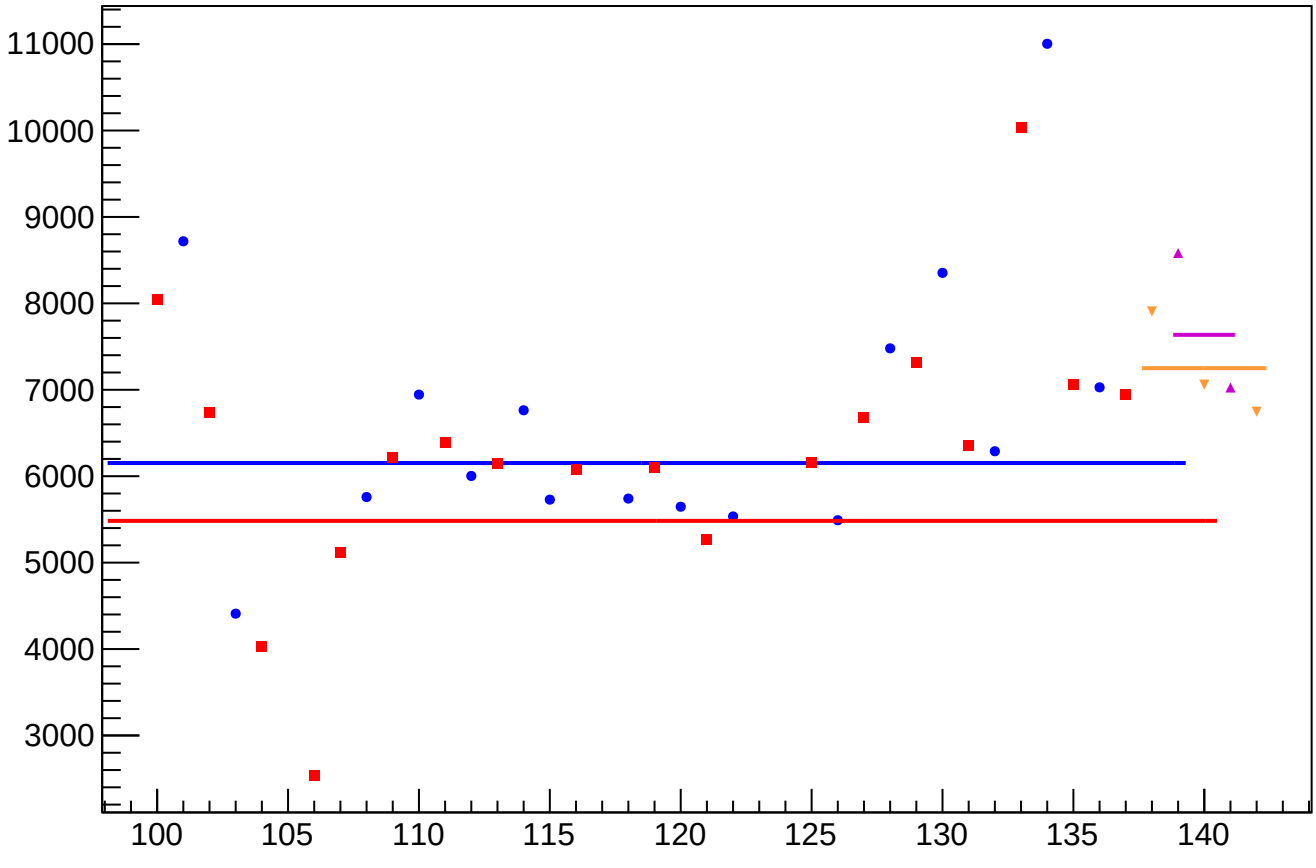
Left: 1736.316+/-3835.527 χ^2/NDF: 2.7/4

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -2569.479+/-2178.549 χ^2/NDF:14.9/17

Out: 950.036+/-2041.223 χ^2/NDF:16.5/20

All: -695.305+/-1489.546 χ^2/NDF: 32.8/38



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7250.096+/-3.594 χ^2/NDF:16702.0/2

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7635.837+/-4.134 χ^2/NDF:33764.3/1

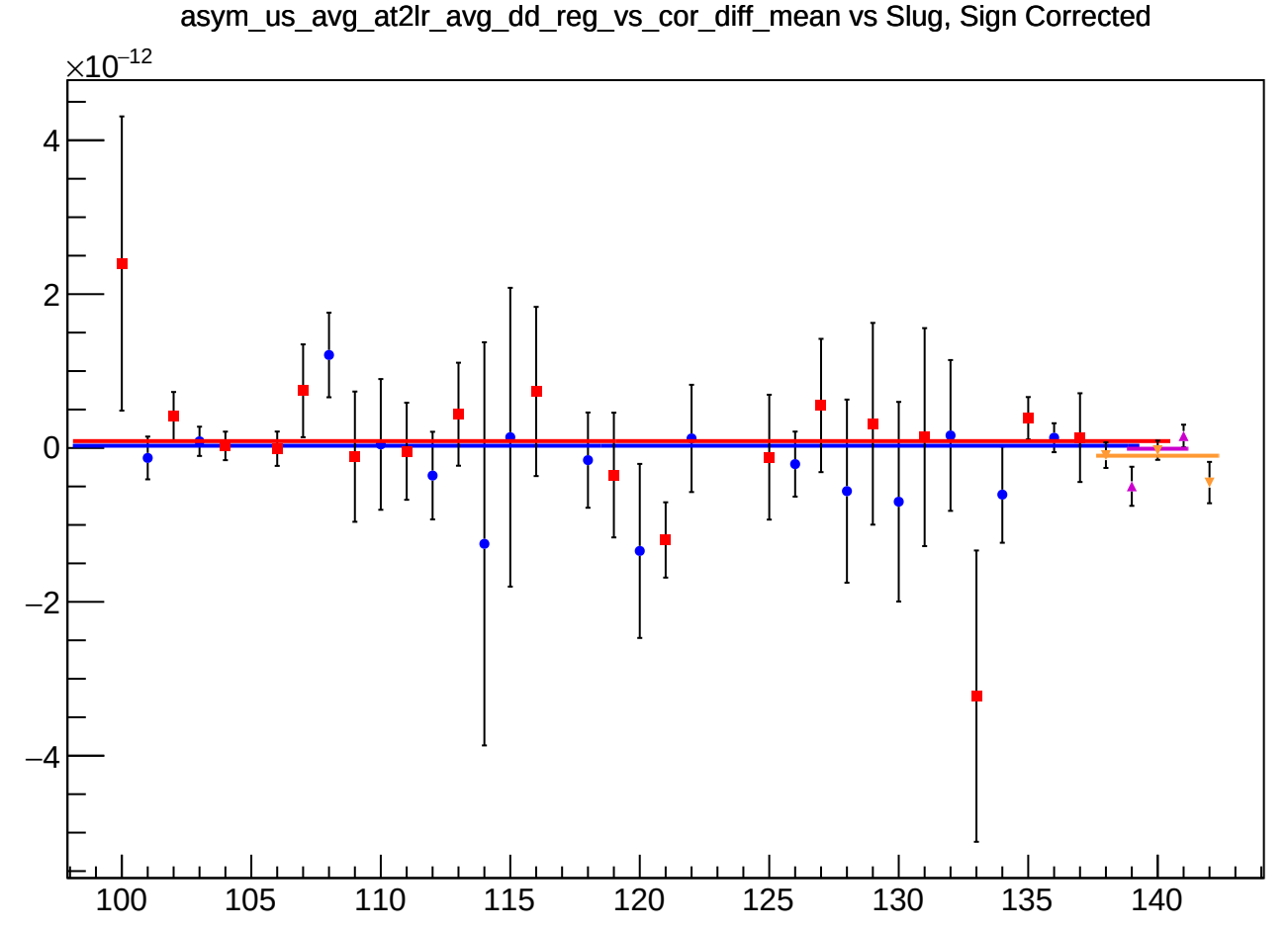
Left: 7416.152+/-2.712 χ^2/NDF: 55425.7/4

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6358.669+/-1.540 χ^2/NDF:768650.0/17

Out: 5751.263+/-1.400 χ^2/NDF:1370443.5/20

All: 6025.913+/-1.036 χ^2/NDF: 2224266.9/38



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/2

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:4.9/1

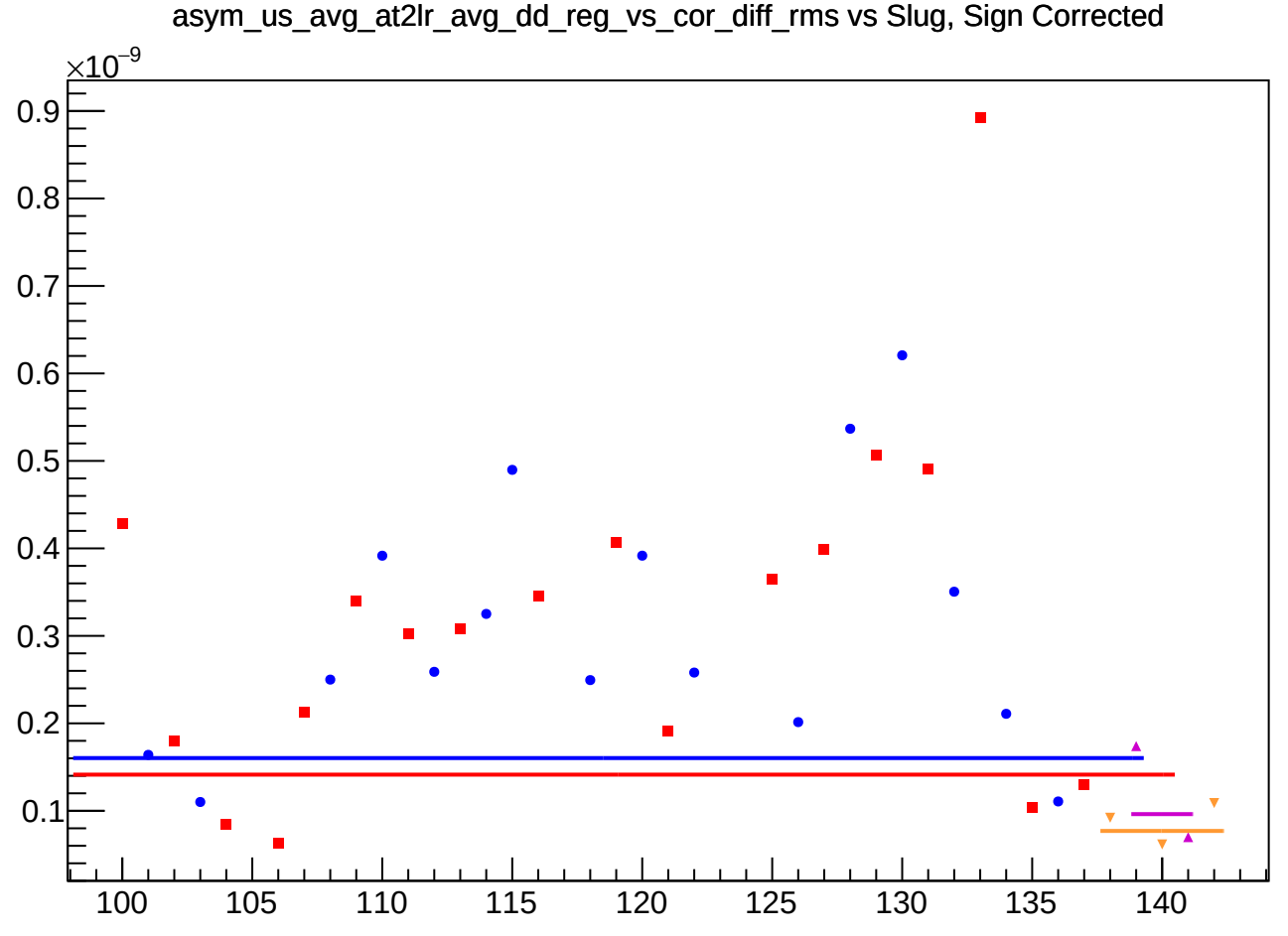
Left: -0.000+/-0.000 χ^2/NDF: 7.3/4

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:14.5/17

Out: -0.000+/-0.000 χ^2/NDF:20.4/20

All: -0.000+/-0.000 χ^2/NDF: 35.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:75087.2/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:250898.5/1

Left: 0.000+/-0.000 χ^2/NDF: 355524.7/4

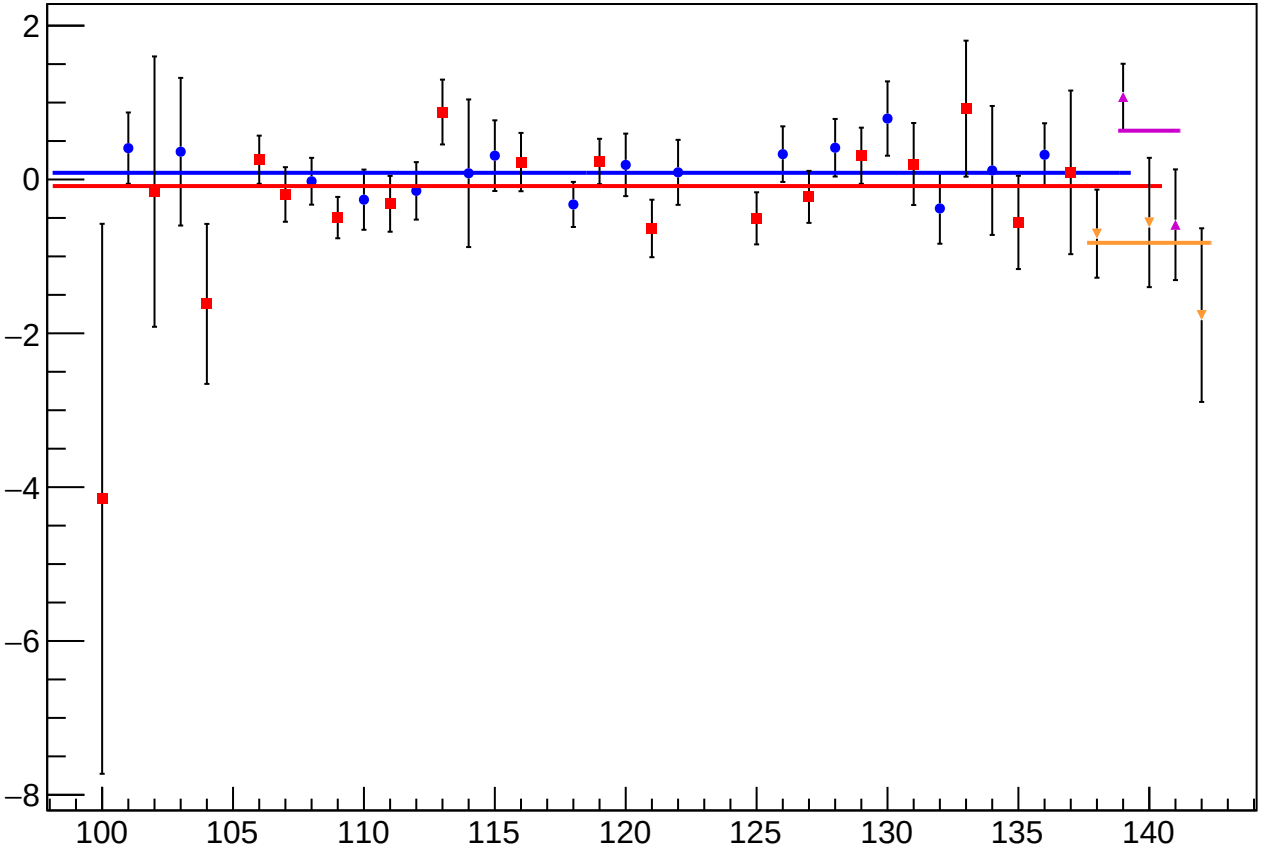
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:1884216.5/17

Out: 0.000+/-0.000 χ^2/NDF:2671045.8/20

All: 0.000+/-0.000 χ^2/NDF: 4700723.9/38

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

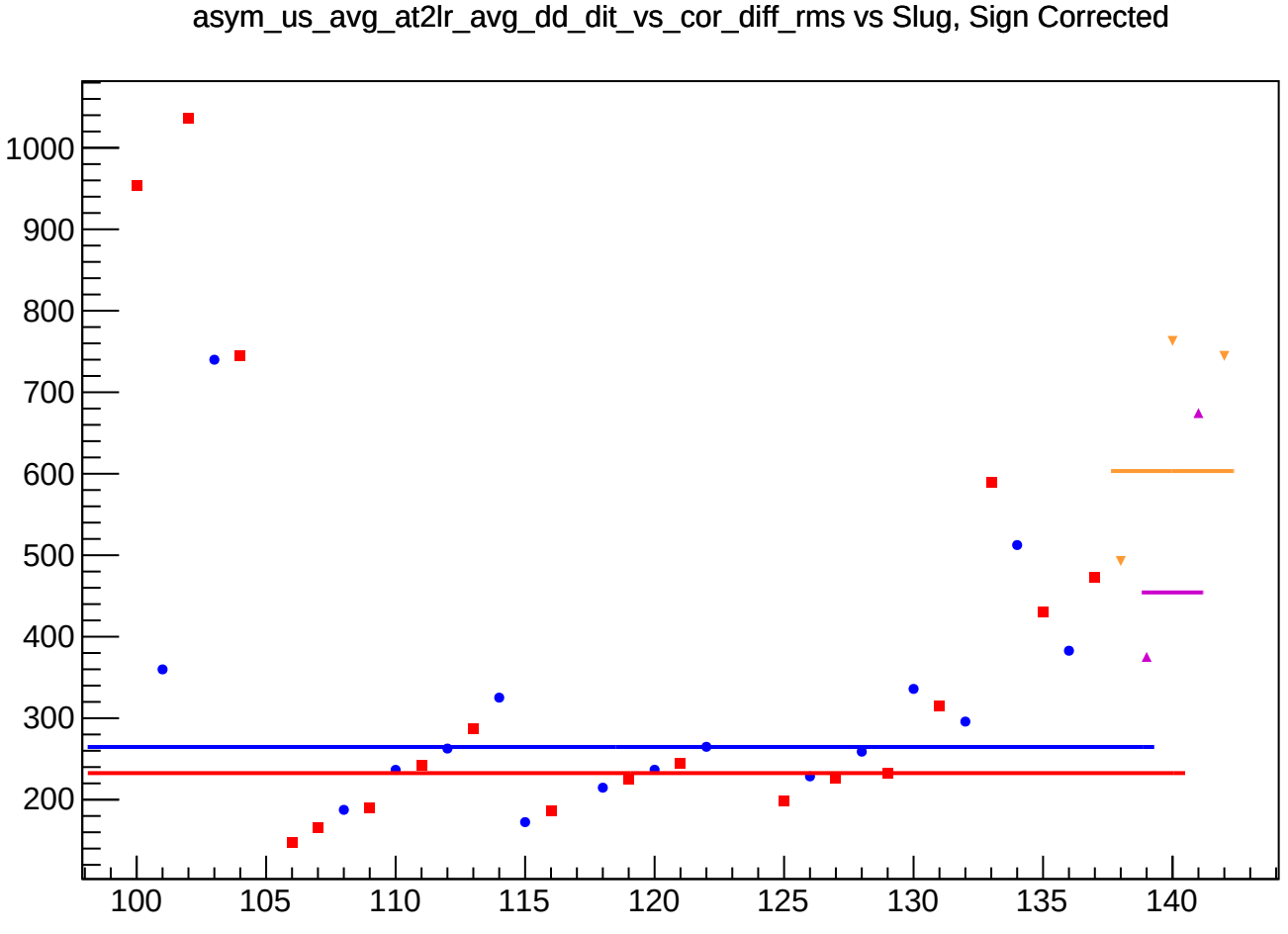
Left: 0.025+/-0.282 χ^2/NDF: 11.2/4

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.004+/-0.069 χ^2/NDF: 43.4/38



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.317+/-0.309 χ^2/NDF:177937.4/2

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: 516.605+/-0.200 χ^2/NDF: 567950.7/4

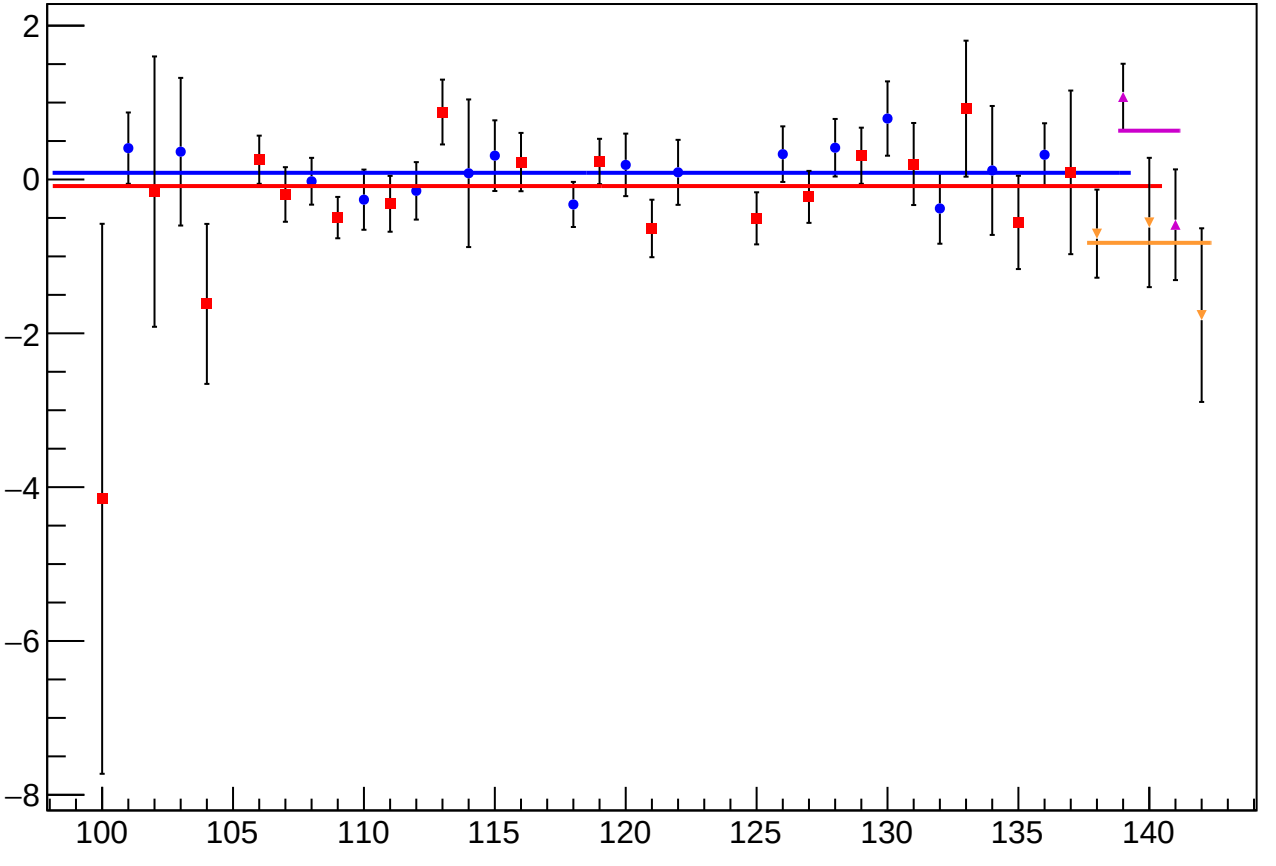
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 278.827+/-0.071 χ^2/NDF:2024793.7/17

Out: 250.159+/-0.067 χ^2/NDF:3585076.7/20

All: 263.606+/-0.049 χ^2/NDF: 5695287.5/38

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: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

Left: 0.025+/-0.282 χ^2/NDF: 11.2/4

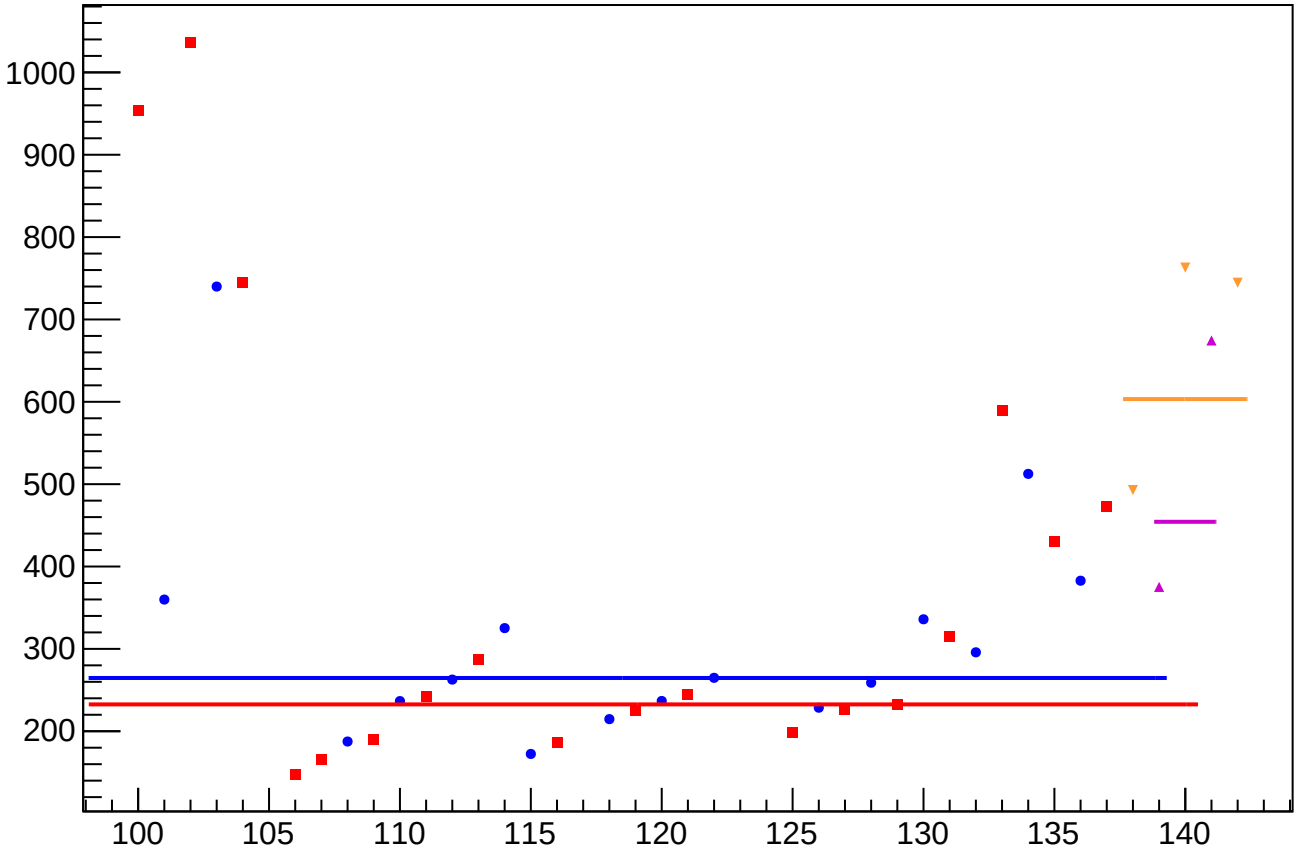
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.004+/-0.069 χ^2/NDF: 43.4/38

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: 603.317+/-0.309 χ^2/NDF:177937.4/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 454.317+/-0.262 χ^2/NDF:254373.8/1

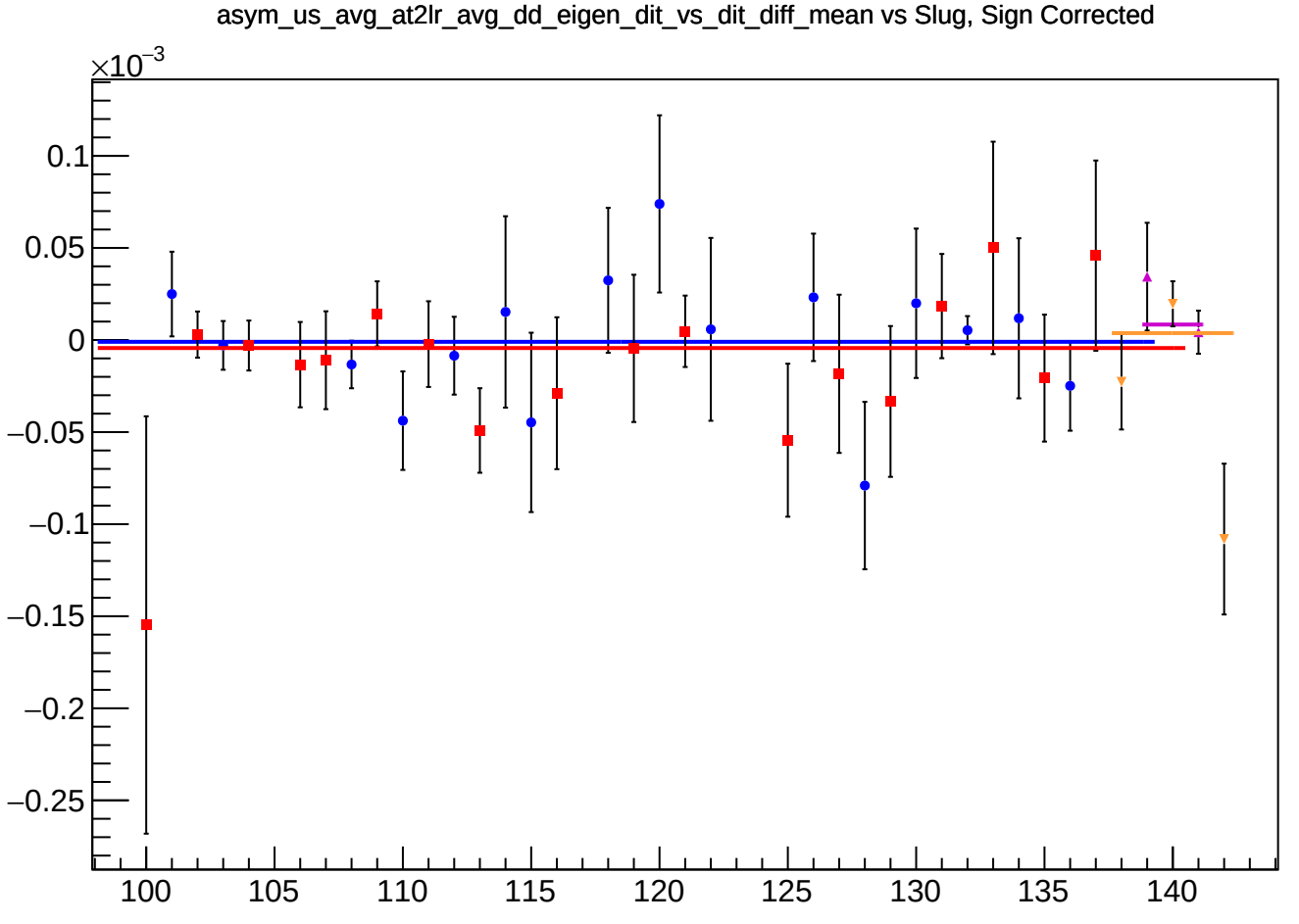
Left: 516.605+/-0.200 χ^2/NDF: 567950.7/4

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 278.827+/-0.071 χ^2/NDF:2024793.7/17

Out: 250.159+/-0.067 χ^2/NDF:3585076.7/20

All: 263.606+/-0.049 χ^2/NDF: 5695287.5/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/2

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

Left: 0.000+/-0.000 χ^2/NDF: 11.2/4

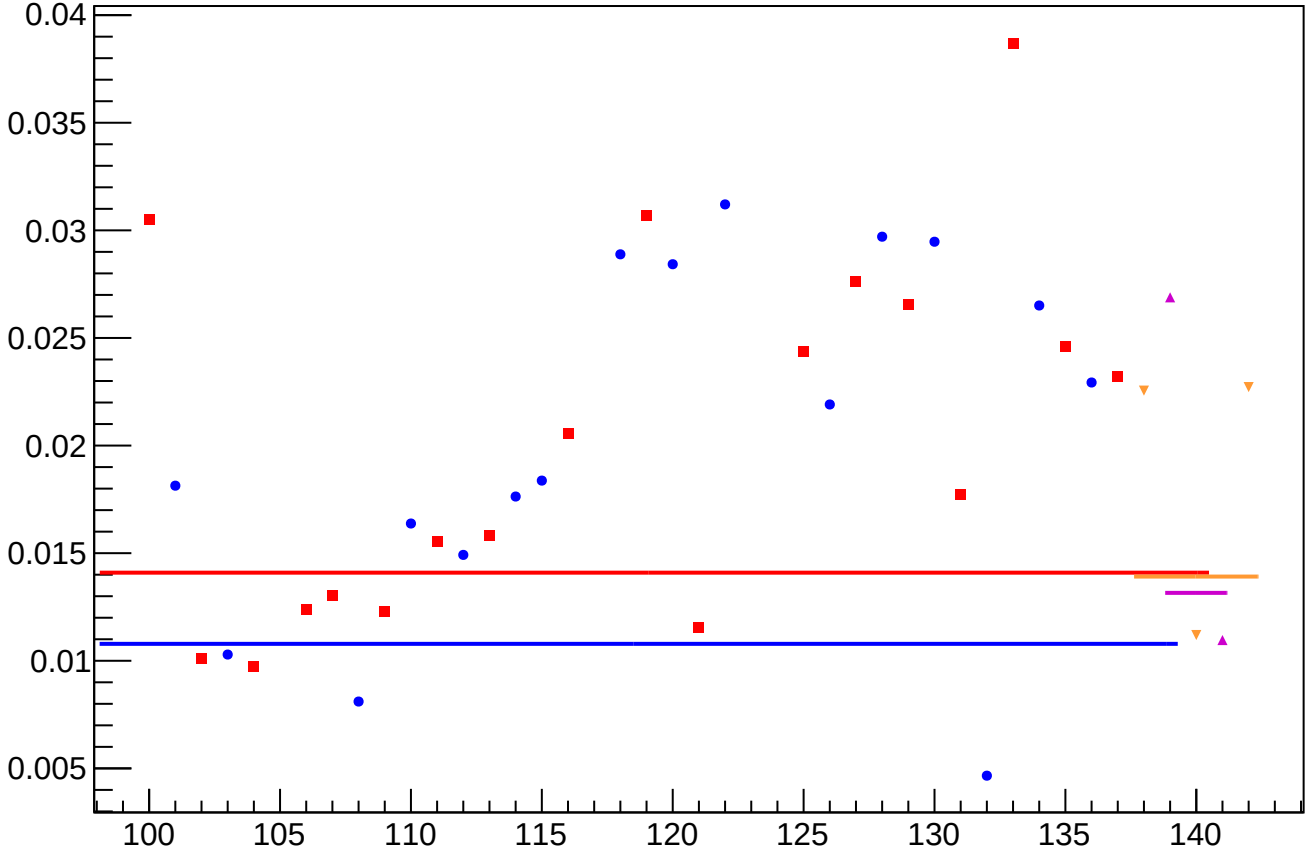
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:15.9/17

Out: -0.000+/-0.000 χ^2/NDF:23.2/20

All: -0.000+/-0.000 χ^2/NDF: 39.4/38

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.014+/-0.000 χ^2/NDF:413617.0/2

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.013+/-0.000 χ^2/NDF:511023.5/1

Left: 0.014+/-0.000 χ^2/NDF: 929587.5/4

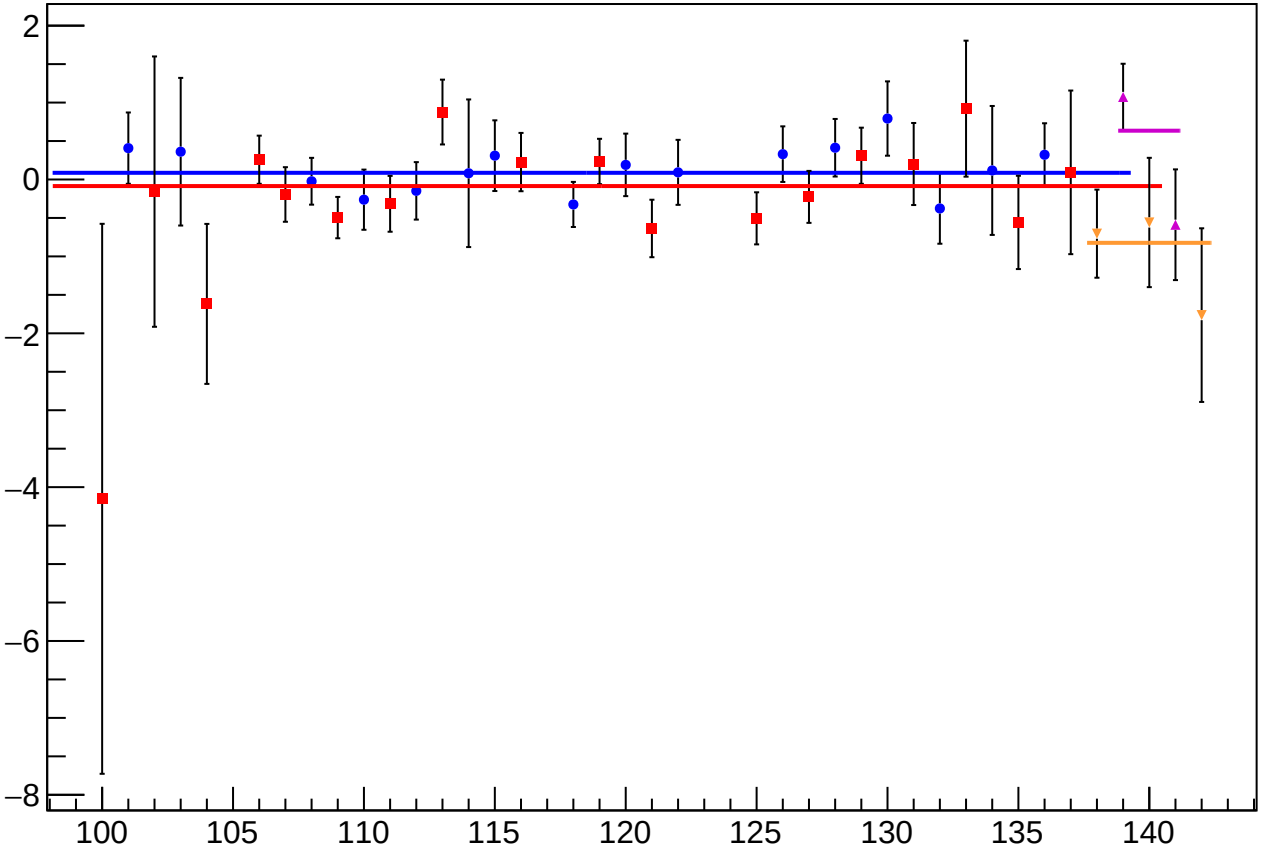
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:5169870.8/17

Out: 0.014+/-0.000 χ^2/NDF:2499008.2/20

All: 0.012+/-0.000 χ^2/NDF: 8025104.0/38

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: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

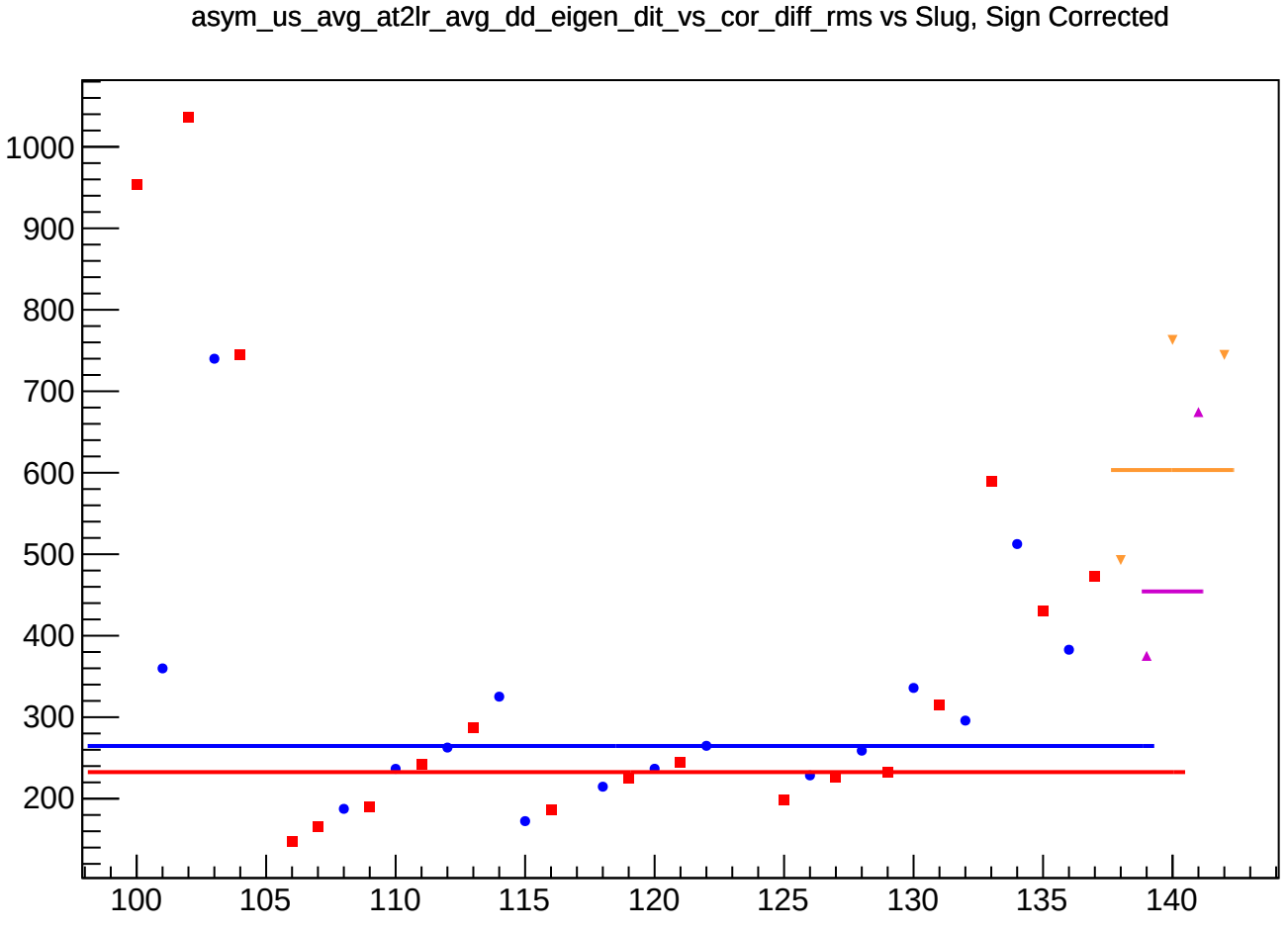
Left: 0.025+/-0.282 χ^2/NDF: 11.3/4

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

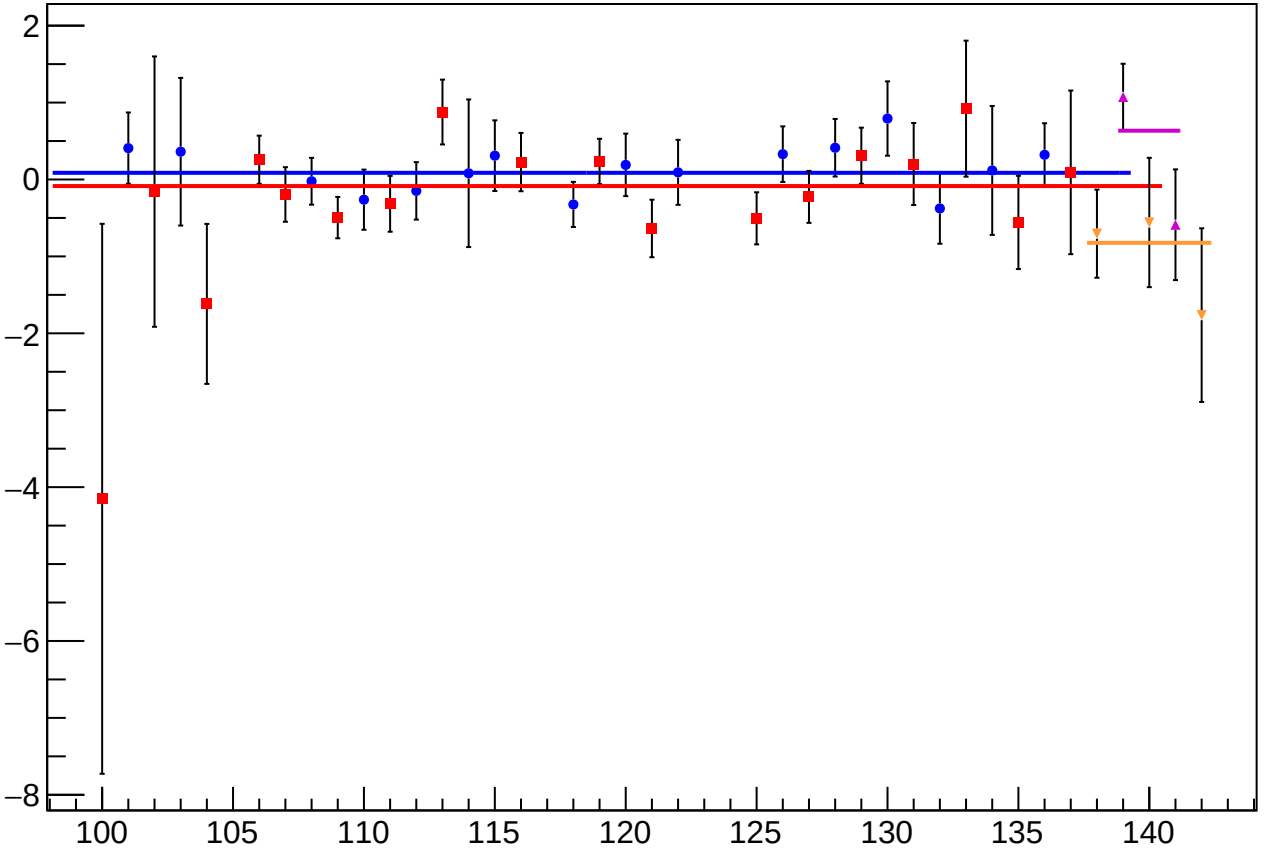
In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.004+/-0.069 χ^2/NDF: 43.4/38


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
105
110
115
120
125
130
135
140
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 603.323+/-0.309 χ²/NDF:177933.5/2
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 454.326+/-0.262 χ²/NDF:254359.0/1
Left: 516.613+/-0.200 χ²/NDF: 567924.0/4
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 278.827+/-0.071 χ²/NDF:2024780.9/17
Out: 250.160+/-0.067 χ²/NDF:3585083.3/20
All: 263.606+/-0.049 χ²/NDF: 5695277.1/38

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.824+/-0.436 χ^2/NDF:0.8/2

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.634+/-0.370 χ^2/NDF:3.9/1

Left: 0.025+/-0.282 χ^2/NDF: 11.3/4

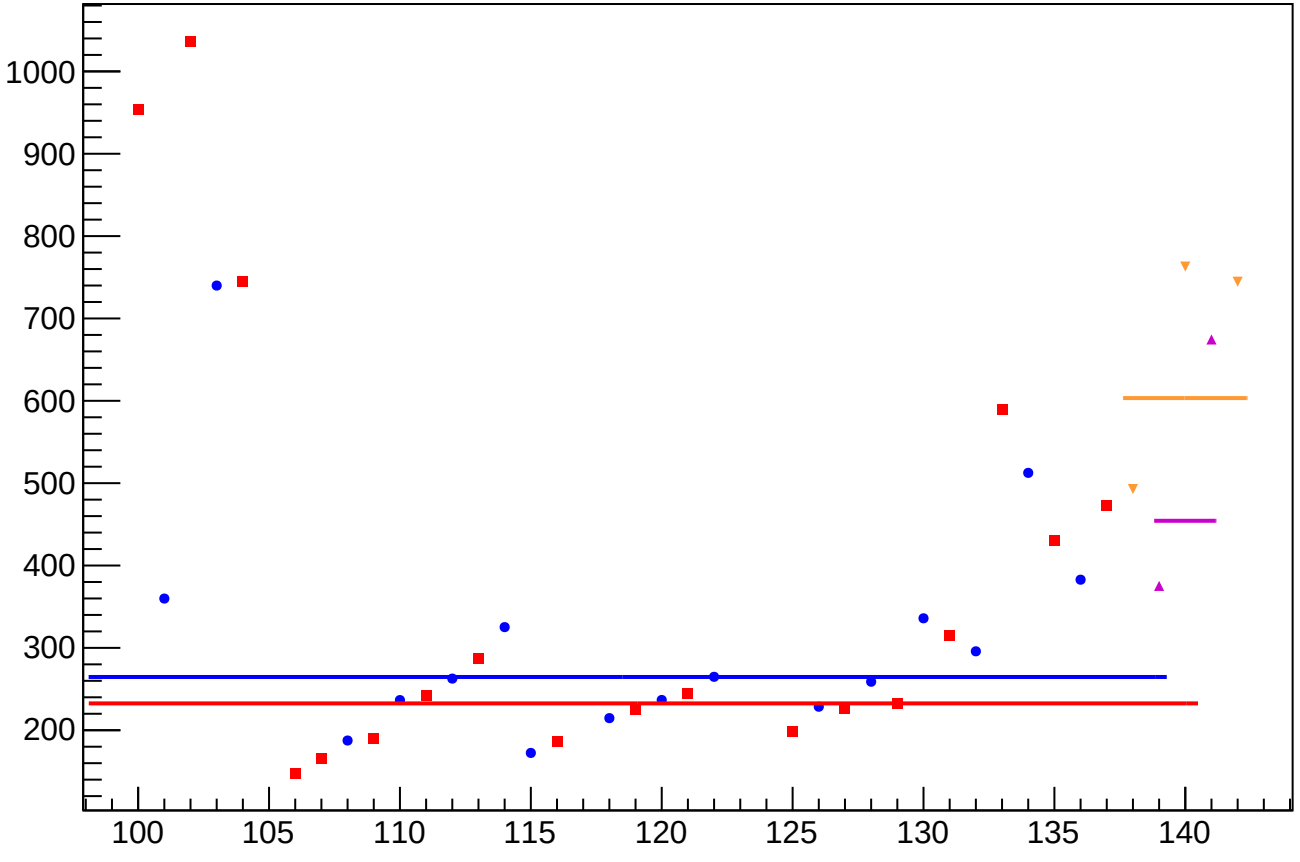
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.128+/-0.101 χ^2/NDF:14.8/17

Out: -0.121+/-0.095 χ^2/NDF:25.4/20

All: -0.004+/-0.069 χ^2/NDF: 43.4/38

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: 603.323+/-0.309 χ^2/NDF:177933.5/2

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 454.326+/-0.262 χ^2/NDF:254359.0/1

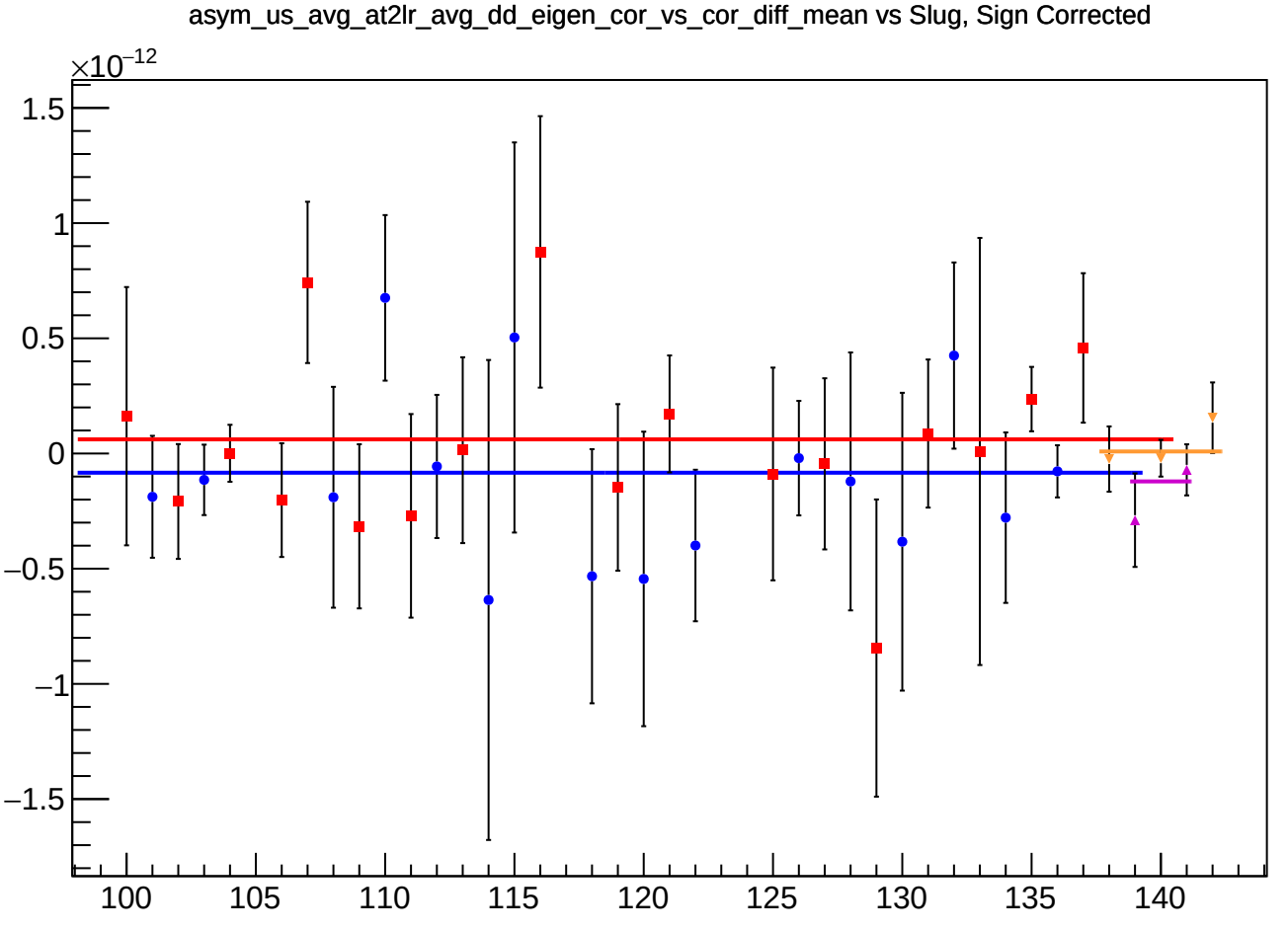
Left: 516.613+/-0.200 χ^2/NDF: 567924.0/4

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 278.827+/-0.071 χ^2/NDF:2024780.9/17

Out: 250.160+/-0.067 χ^2/NDF:3585083.3/20

All: 263.606+/-0.049 χ^2/NDF: 5695277.1/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

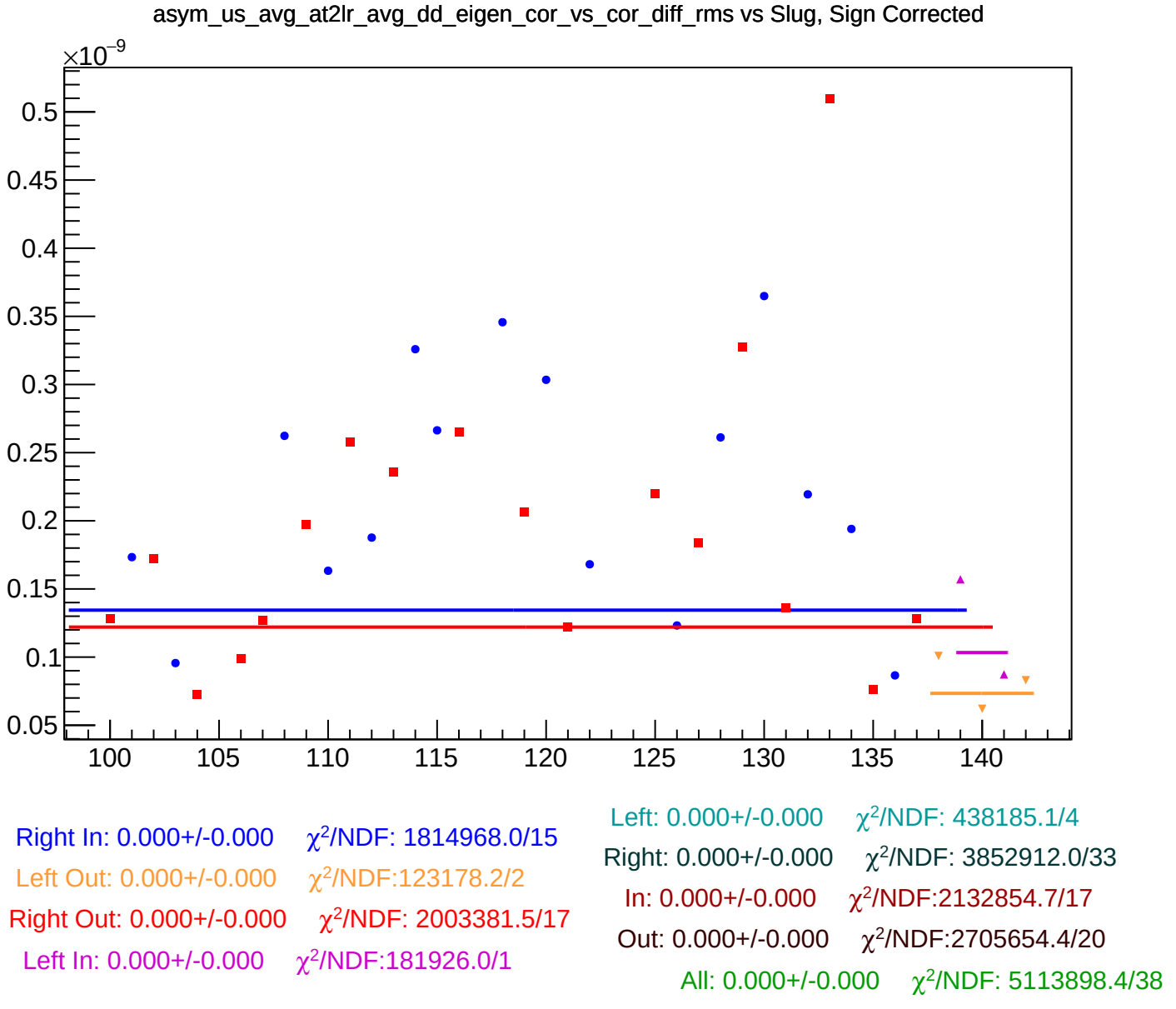
Left: -0.000+/-0.000 χ^2/NDF: 3.3/4

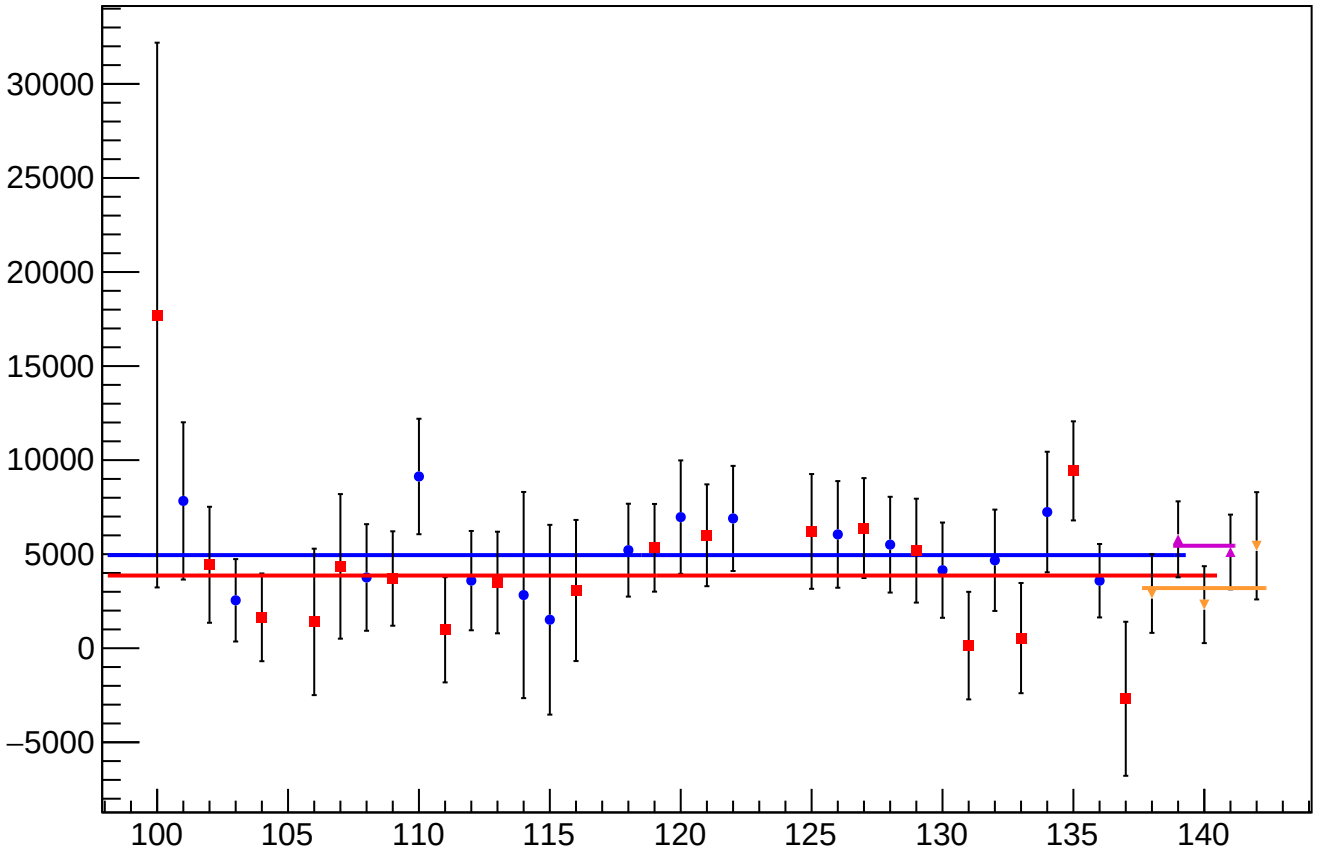
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:10.7/17

Out: 0.000+/-0.000 χ^2/NDF:17.2/20

All: -0.000+/-0.000 χ^2/NDF: 31.2/38


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
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: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:123178.2/2
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:181926.0/1
Left: 0.000+/-0.000 χ²/NDF: 438185.1/4
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:2132854.7/17
Out: 0.000+/-0.000 χ²/NDF:2705654.4/20
All: 0.000+/-0.000 χ²/NDF: 5113898.4/38



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.365+/-1301.168 χ^2/NDF:0.8/2

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 5447.924+/-1415.728 χ^2/NDF:0.1/1

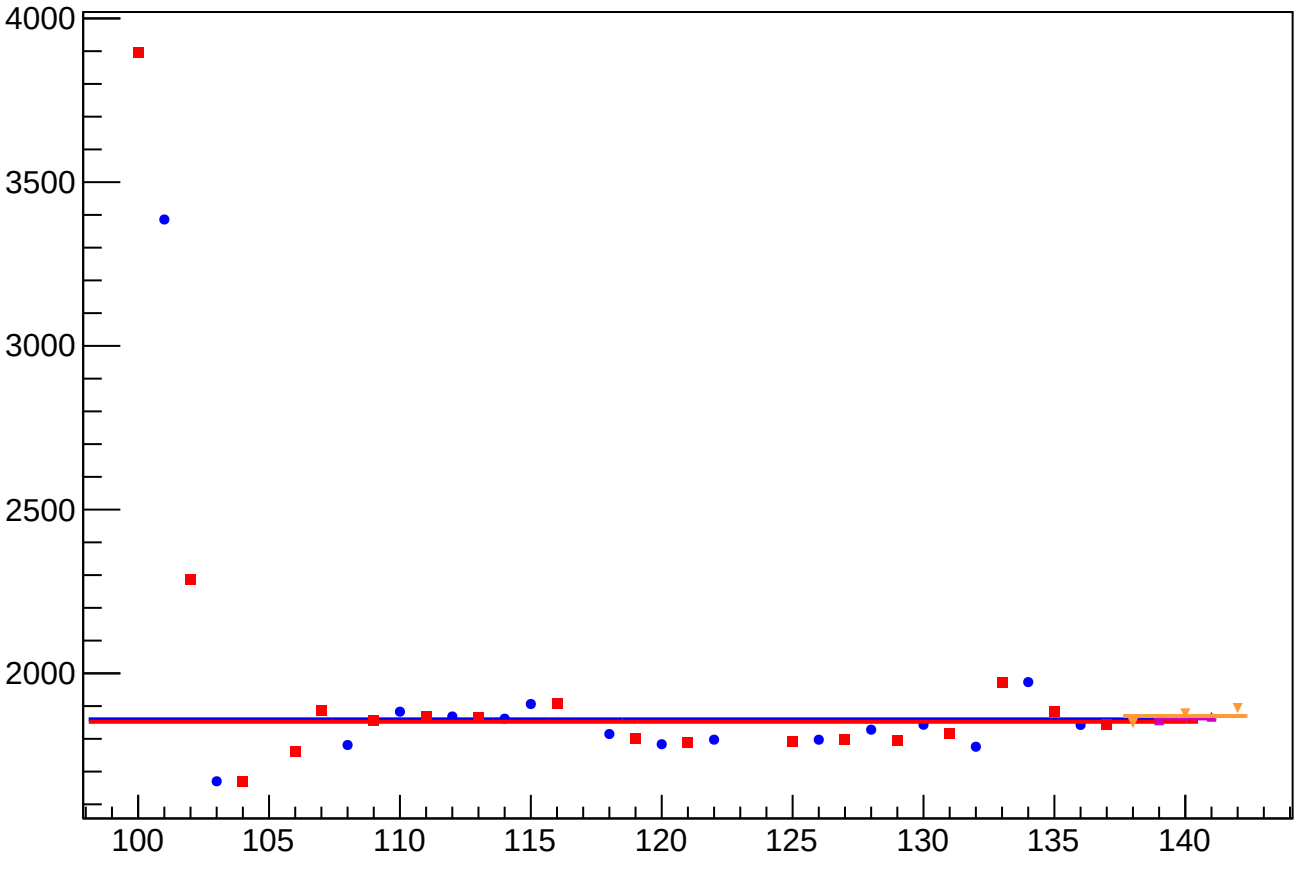
Left: 4227.917+/-958.009 χ^2/NDF: 2.3/4

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5047.836+/-626.721 χ^2/NDF:7.0/17

Out: 3716.657+/-613.567 χ^2/NDF:17.2/20

All: 4368.130+/-438.434 χ^2/NDF: 26.5/38



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

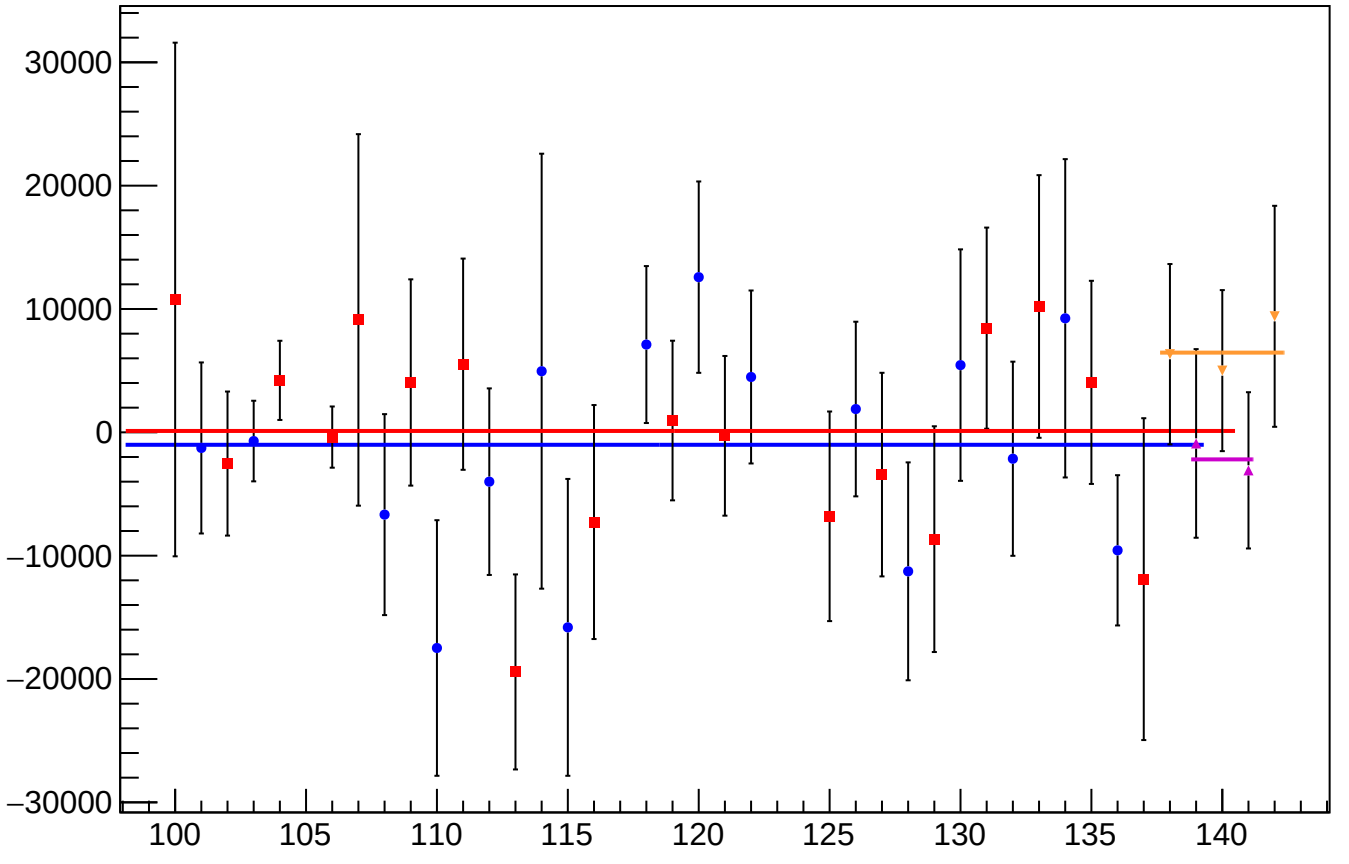
Left: 1866.303+/-0.677 χ^2/NDF: 446.2/4

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1860.068+/-0.443 χ^2/NDF:292370.0/17

Out: 1855.953+/-0.433 χ^2/NDF:102885.1/20

All: 1857.962+/-0.310 χ^2/NDF: 395299.3/38



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 6463.163+/-4278.679 χ^2/NDF:0.2/2

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -2193.915+/-4878.343 χ^2/NDF:0.0/1

Left: 2699.128+/-3216.722 χ^2/NDF: 2.0/4

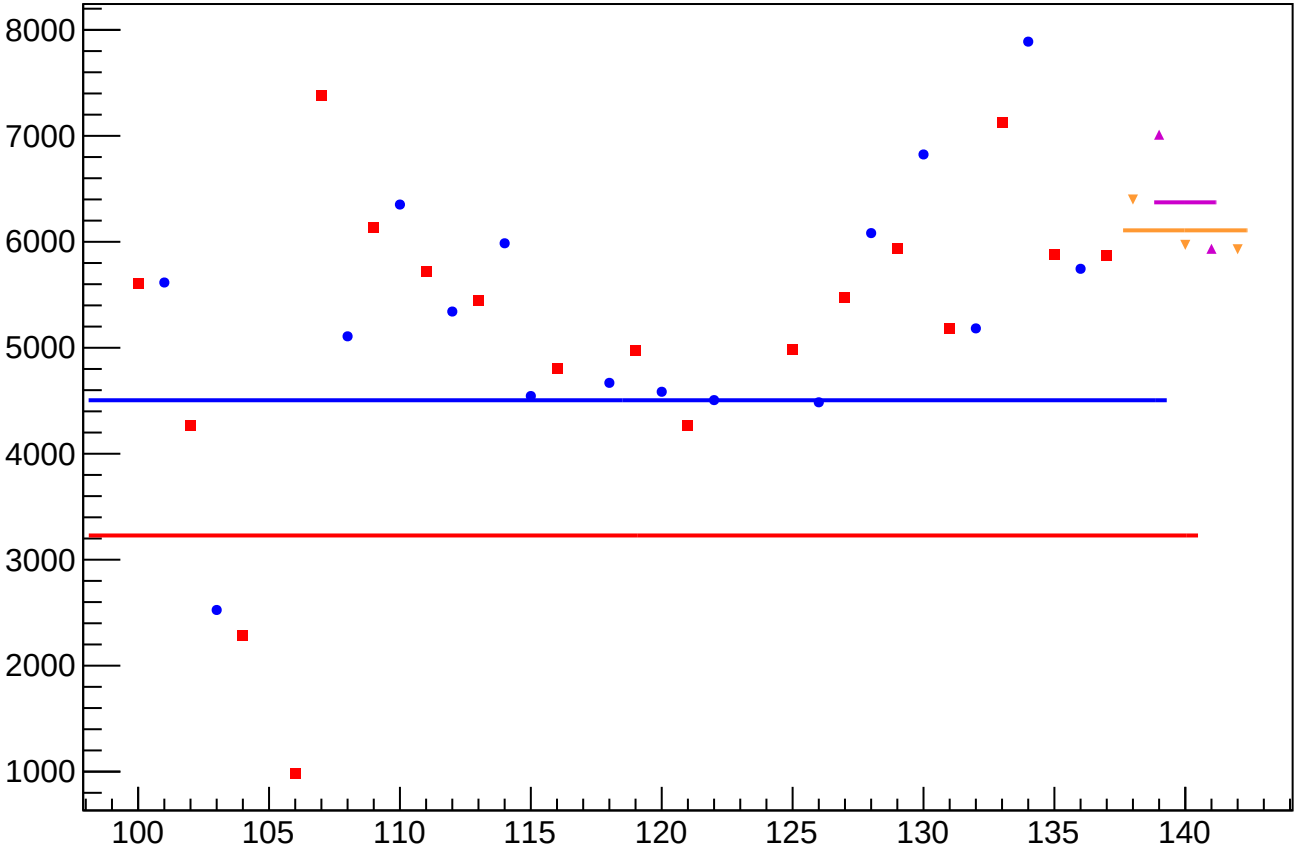
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -1147.180+/-1659.029 χ^2/NDF:14.8/17

Out: 756.328+/-1363.516 χ^2/NDF:16.8/20

All: -11.083+/-1053.393 χ^2/NDF: 32.4/38

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: 6108.212+/-3.025 χ^2/NDF:4839.0/2

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6372.573+/-3.450 χ^2/NDF:23510.4/1

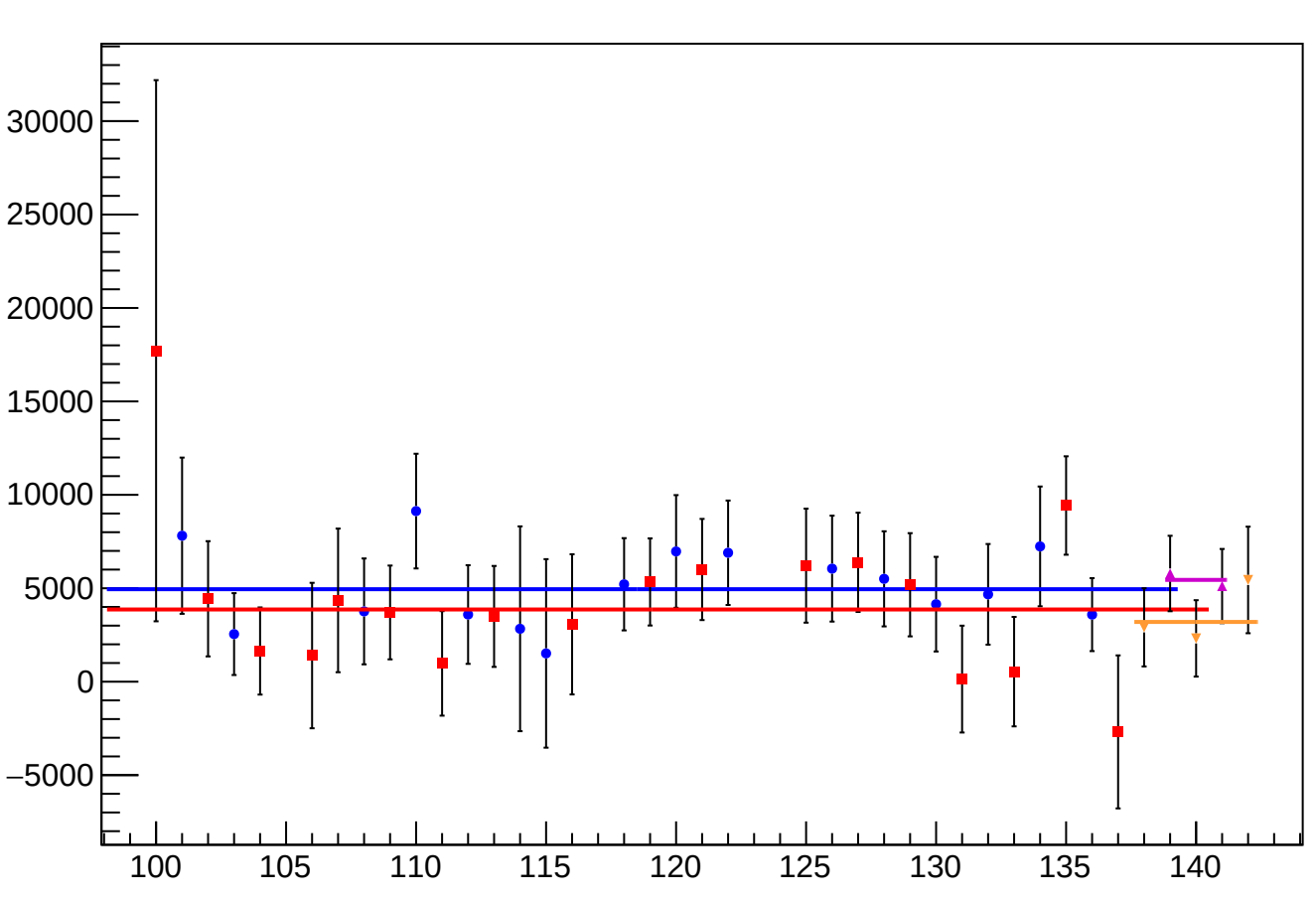
Left: 6223.154+/-2.275 χ^2/NDF: 31669.1/4

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4720.806+/-1.173 χ^2/NDF:1603890.4/17

Out: 3521.043+/-0.964 χ^2/NDF:4775131.7/20

All: 4004.735+/-0.745 χ^2/NDF: 7003293.9/38



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.397+/-1301.168 χ^2/NDF:0.8/2

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5448.265+/-1415.728 χ^2/NDF:0.1/1

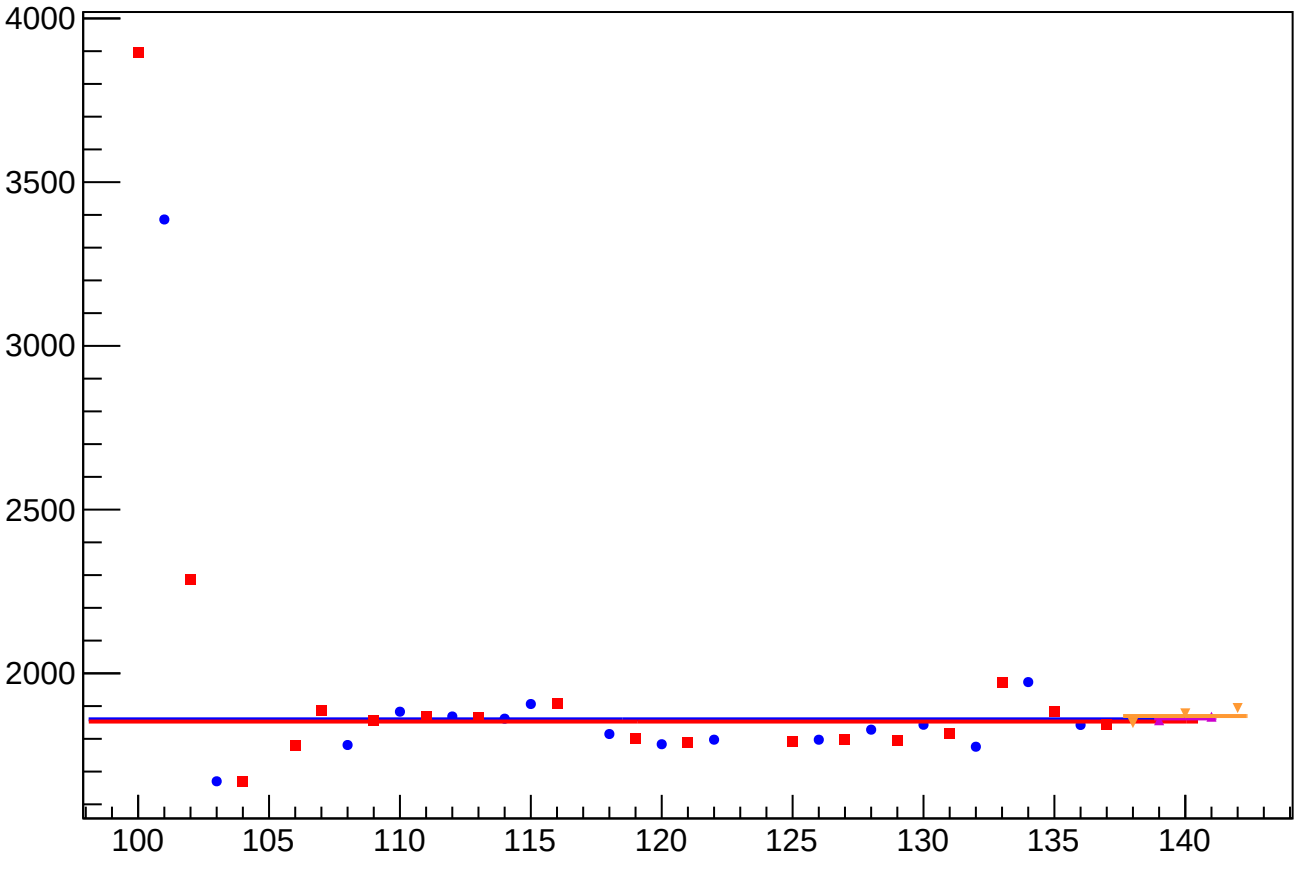
Left: 4228.090+/-958.009 χ^2/NDF: 2.3/4

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5047.515+/-626.721 χ^2/NDF:7.0/17

Out: 3716.497+/-613.567 χ^2/NDF:17.2/20

All: 4367.891+/-438.434 χ^2/NDF: 26.5/38



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1869.632+/-0.920 χ^2/NDF:388.7/2

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1862.361+/-1.001 χ^2/NDF:28.9/1

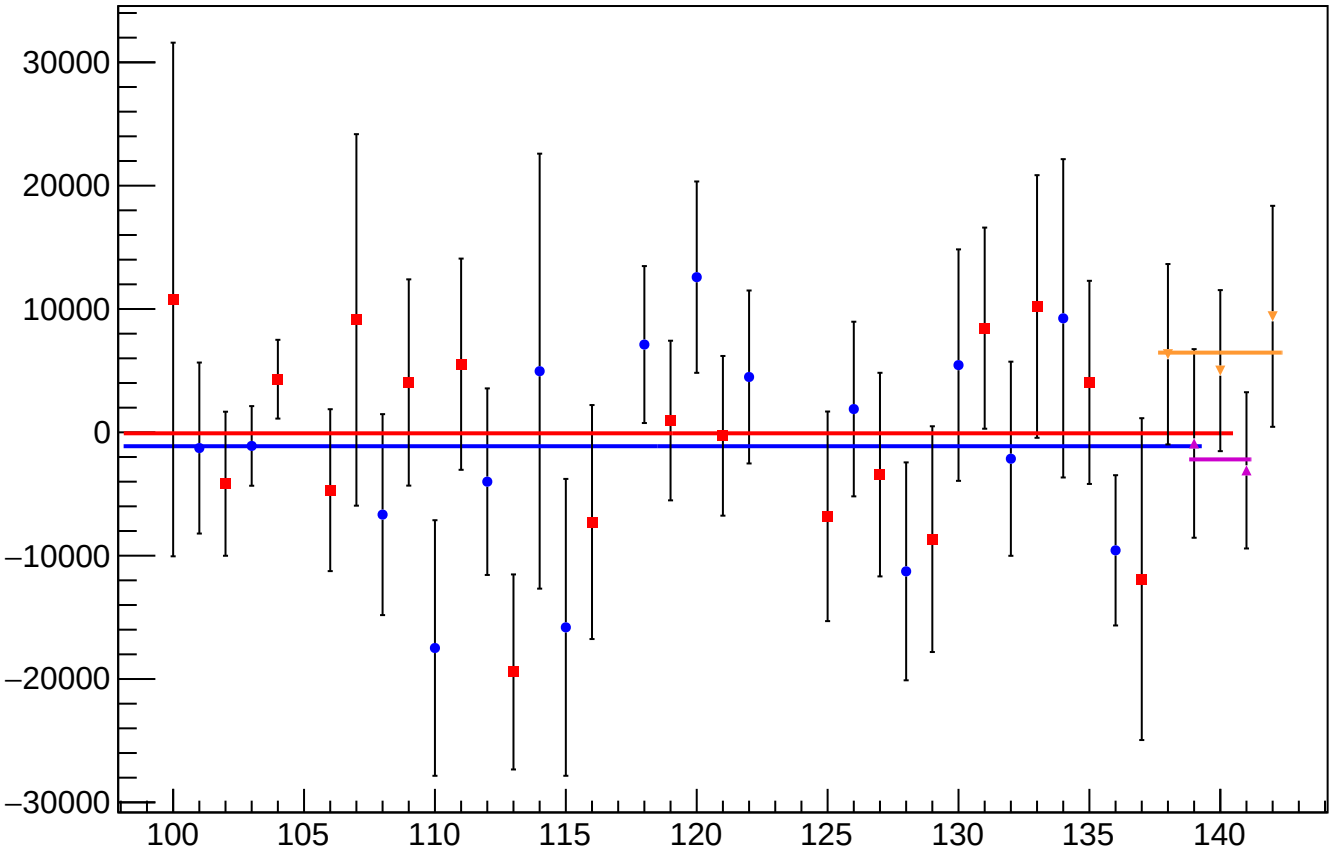
Left: 1866.303+/-0.677 χ^2/NDF: 446.2/4

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1860.068+/-0.443 χ^2/NDF:292371.9/17

Out: 1856.504+/-0.433 χ^2/NDF:102400.7/20

All: 1858.244+/-0.310 χ^2/NDF: 394805.7/38



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 6463.196+/-4278.671 χ^2/NDF:0.2/2

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -2194.000+/-4878.340 χ^2/NDF:0.0/1

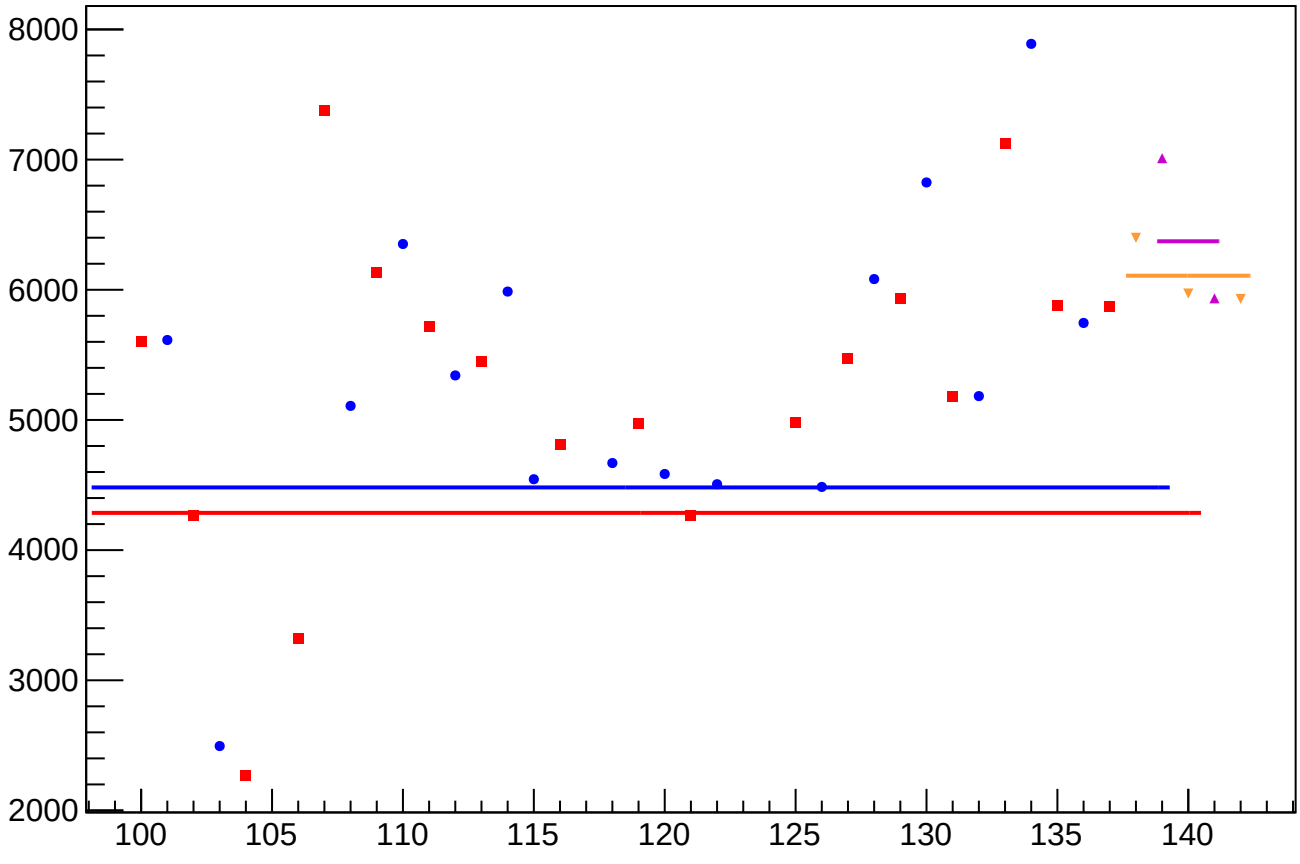
Left: 2699.114+/-3216.718 χ^2/NDF: 2.0/4

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1248.356+/-1653.783 χ^2/NDF:14.8/17

Out: 815.808+/-1581.827 χ^2/NDF:17.7/20

All: -170.393+/-1143.112 χ^2/NDF: 33.3/38



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6108.199+/-3.025 χ^2/NDF:4839.5/2

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6372.566+/-3.450 χ^2/NDF:23511.4/1

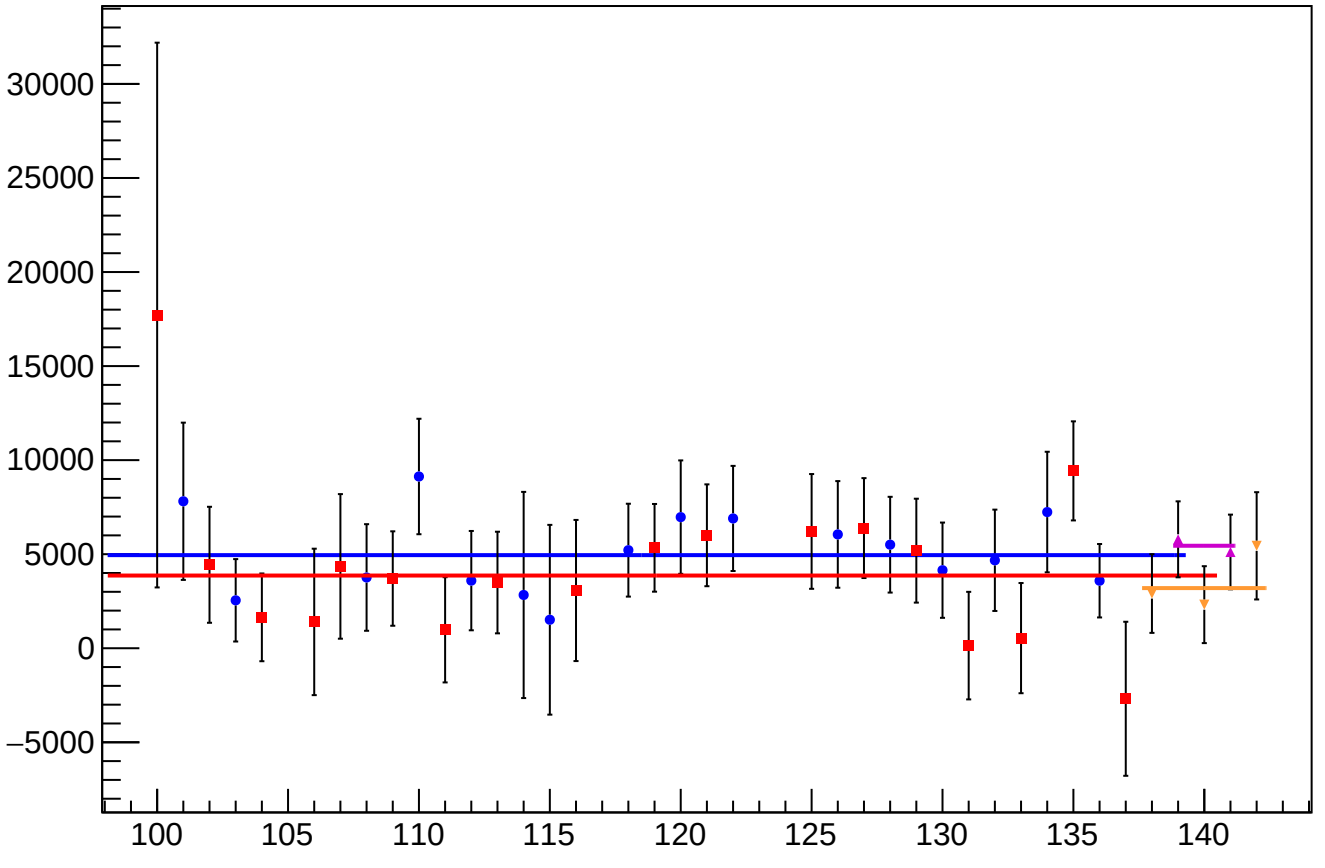
Left: 6223.144+/-2.275 χ^2/NDF: 31670.7/4

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4698.846+/-1.169 χ^2/NDF:1651760.1/17

Out: 4535.164+/-1.119 χ^2/NDF:1867816.4/20

All: 4613.366+/-0.808 χ^2/NDF: 3529808.0/38



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3197.397+/-1301.168 χ^2/NDF:0.8/2

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5448.265+/-1415.728 χ^2/NDF:0.1/1

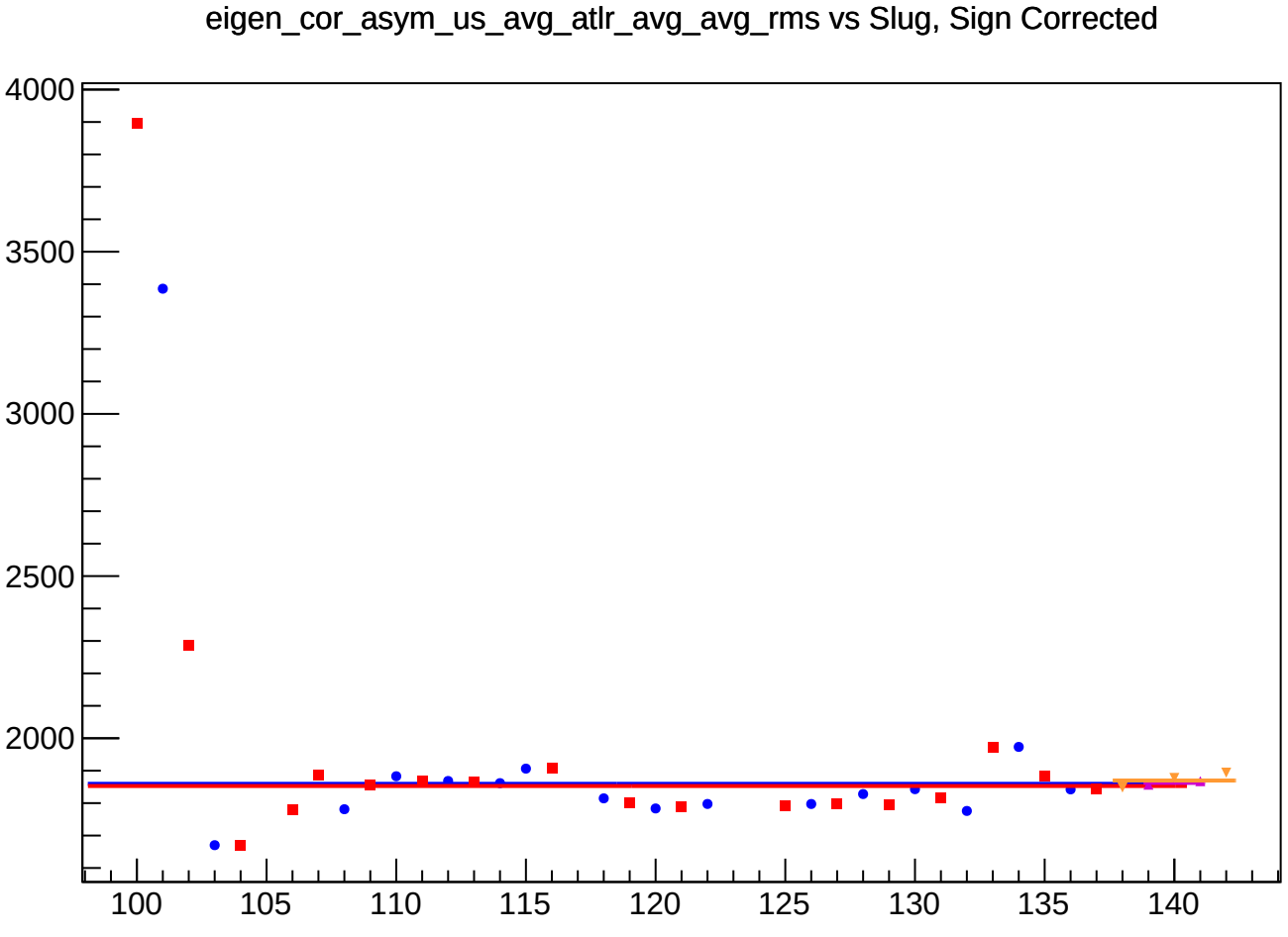
Left: 4228.090+/-958.009 χ^2/NDF: 2.3/4

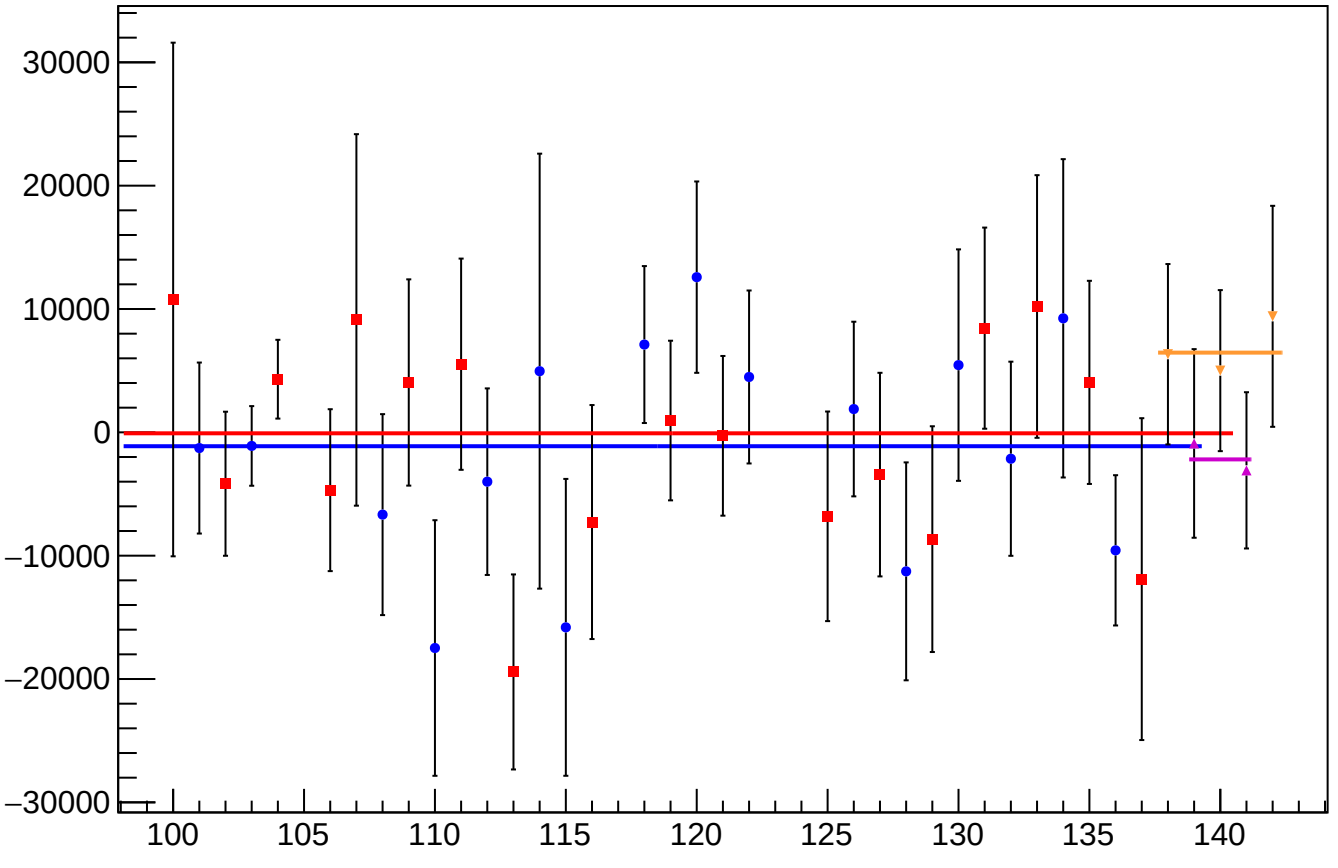
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5047.515+/-626.721 χ^2/NDF:7.0/17

Out: 3716.497+/-613.567 χ^2/NDF:17.2/20

All: 4367.891+/-438.434 χ^2/NDF: 26.5/38


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1869.632+/-0.920 χ²/NDF:388.7/2
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1862.361+/-1.001 χ²/NDF:28.9/1
Left: 1866.303+/-0.677 χ²/NDF: 446.2/4
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1860.068+/-0.443 χ²/NDF:292371.9/17
Out: 1856.504+/-0.433 χ²/NDF:102400.7/20
All: 1858.244+/-0.310 χ²/NDF: 394805.7/38



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 6463.196+/-4278.671 χ^2/NDF:0.2/2

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -2194.000+/-4878.340 χ^2/NDF:0.0/1

Left: 2699.114+/-3216.718 χ^2/NDF: 2.0/4

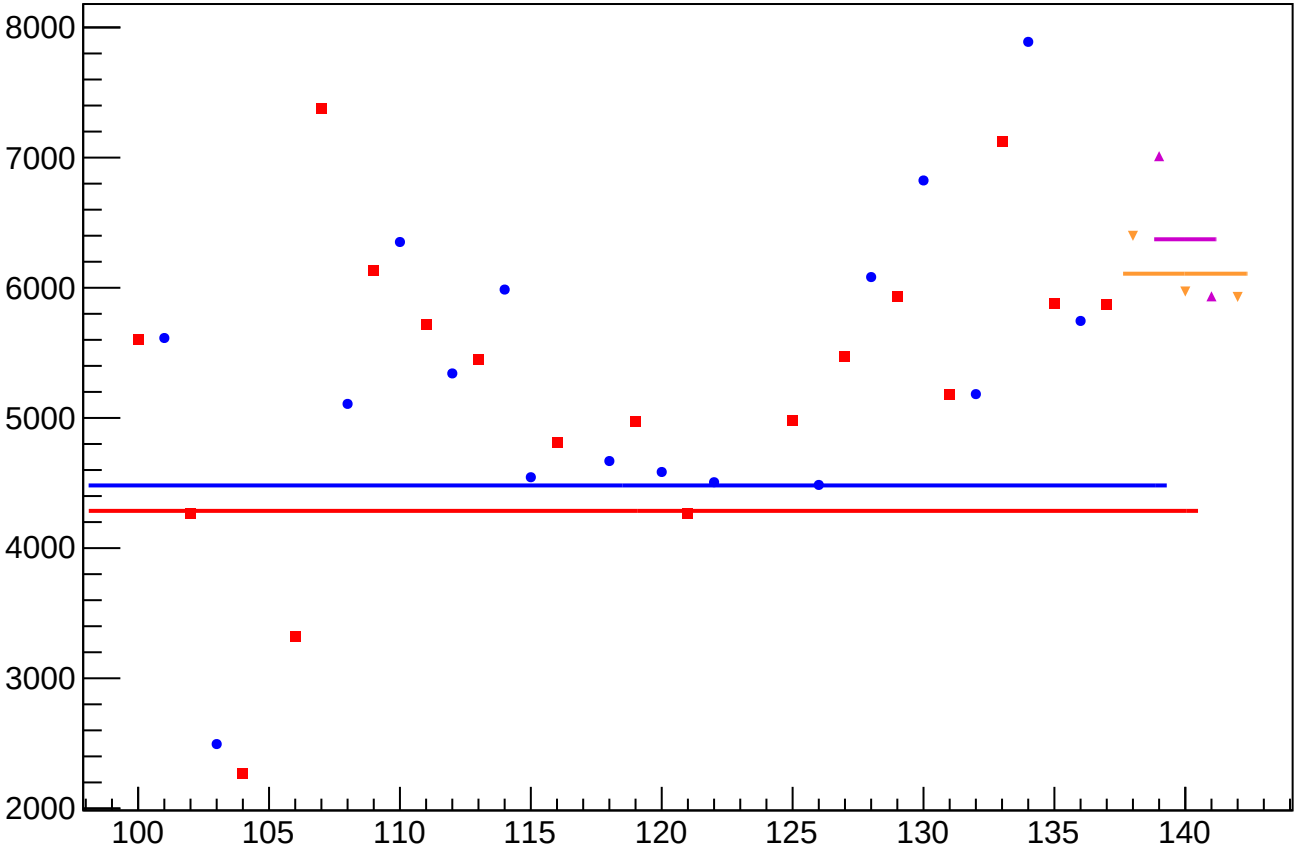
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -1248.356+/-1653.783 χ^2/NDF:14.8/17

Out: 815.808+/-1581.827 χ^2/NDF:17.7/20

All: -170.393+/-1143.112 χ^2/NDF: 33.3/38

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6108.199+/-3.025 χ^2/NDF:4839.5/2

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6372.566+/-3.450 χ^2/NDF:23511.4/1

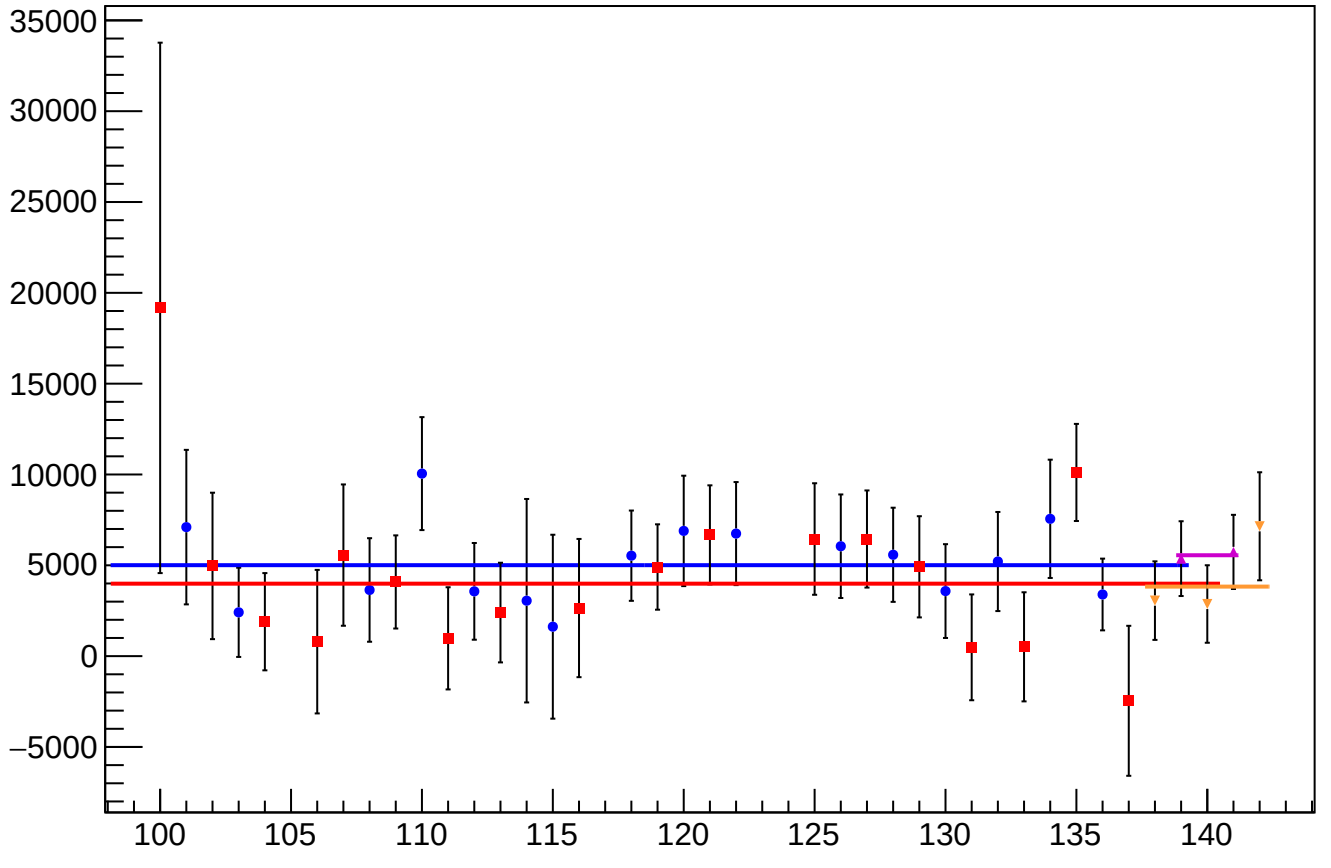
Left: 6223.144+/-2.275 χ^2/NDF: 31670.7/4

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4698.846+/-1.169 χ^2/NDF:1651760.1/17

Out: 4535.164+/-1.119 χ^2/NDF:1867816.4/20

All: 4613.366+/-0.808 χ^2/NDF: 3529808.0/38



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3827.878+/-1352.486 χ^2/NDF:1.6/2

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 5554.352+/-1449.157 χ^2/NDF:0.0/1

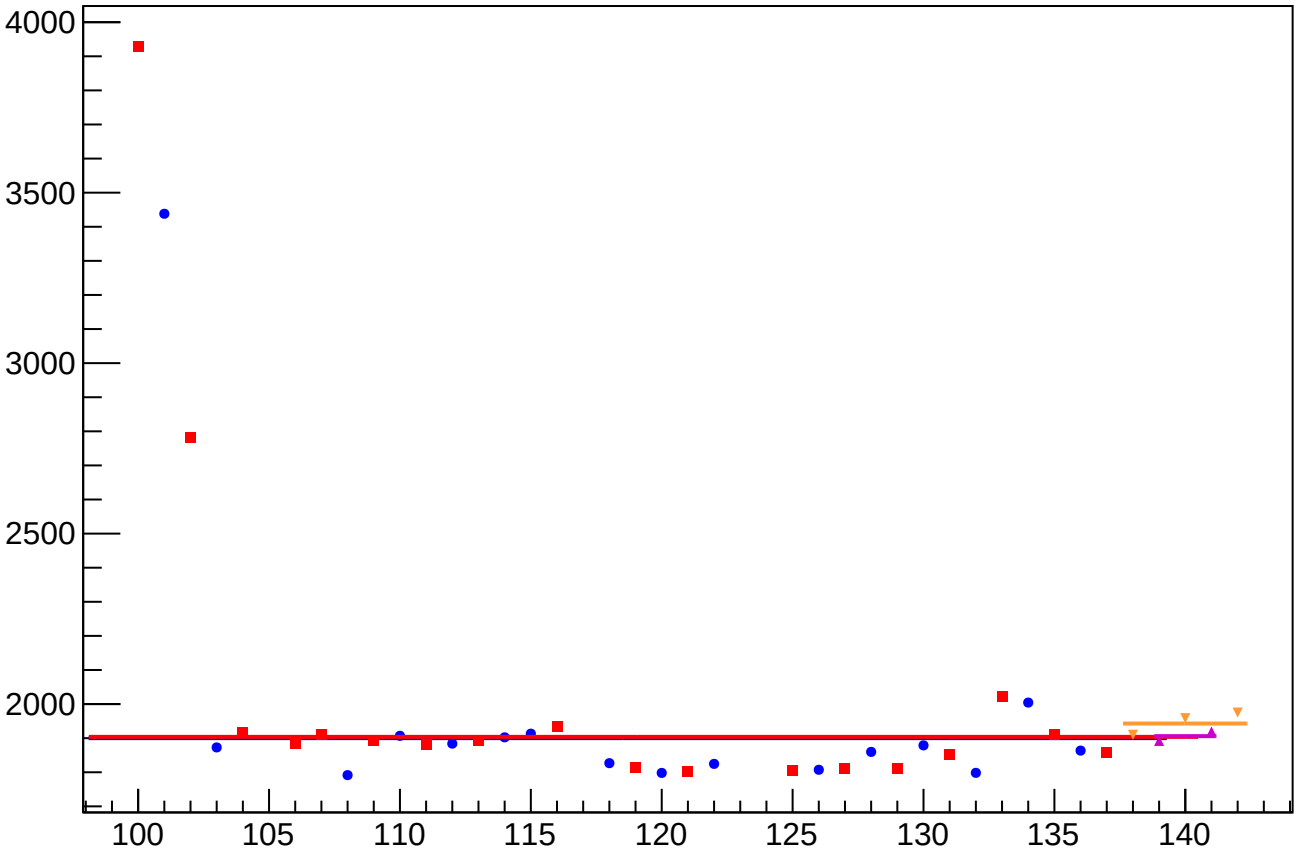
Left: 4631.614+/-988.762 χ^2/NDF: 2.4/4

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5114.185+/-640.524 χ^2/NDF:7.8/17

Out: 3953.647+/-634.881 χ^2/NDF:19.0/20

All: 4528.781+/-450.911 χ^2/NDF: 28.4/38



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1942.941+/-0.956 χ^2/NDF:807.7/2

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1905.912+/-1.025 χ^2/NDF:181.5/1

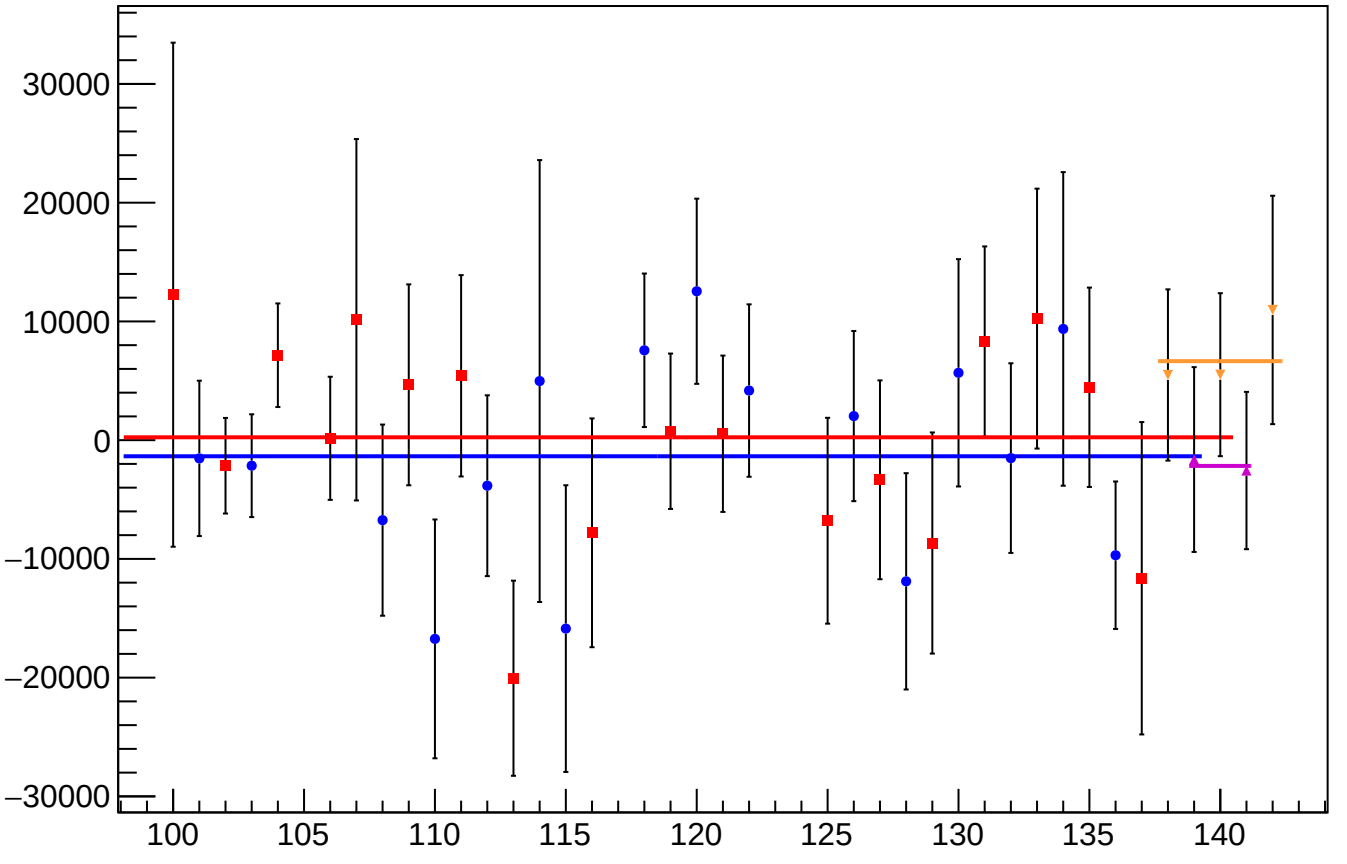
Left: 1925.703+/-0.699 χ^2/NDF: 1687.2/4

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1901.245+/-0.453 χ^2/NDF:278655.5/17

Out: 1912.432+/-0.449 χ^2/NDF:152228.3/20

All: 1906.892+/-0.319 χ^2/NDF: 431191.9/38



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 6654.386+/-4416.229 χ^2/NDF:0.3/2

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -2168.976+/-5044.333 χ^2/NDF:0.0/1

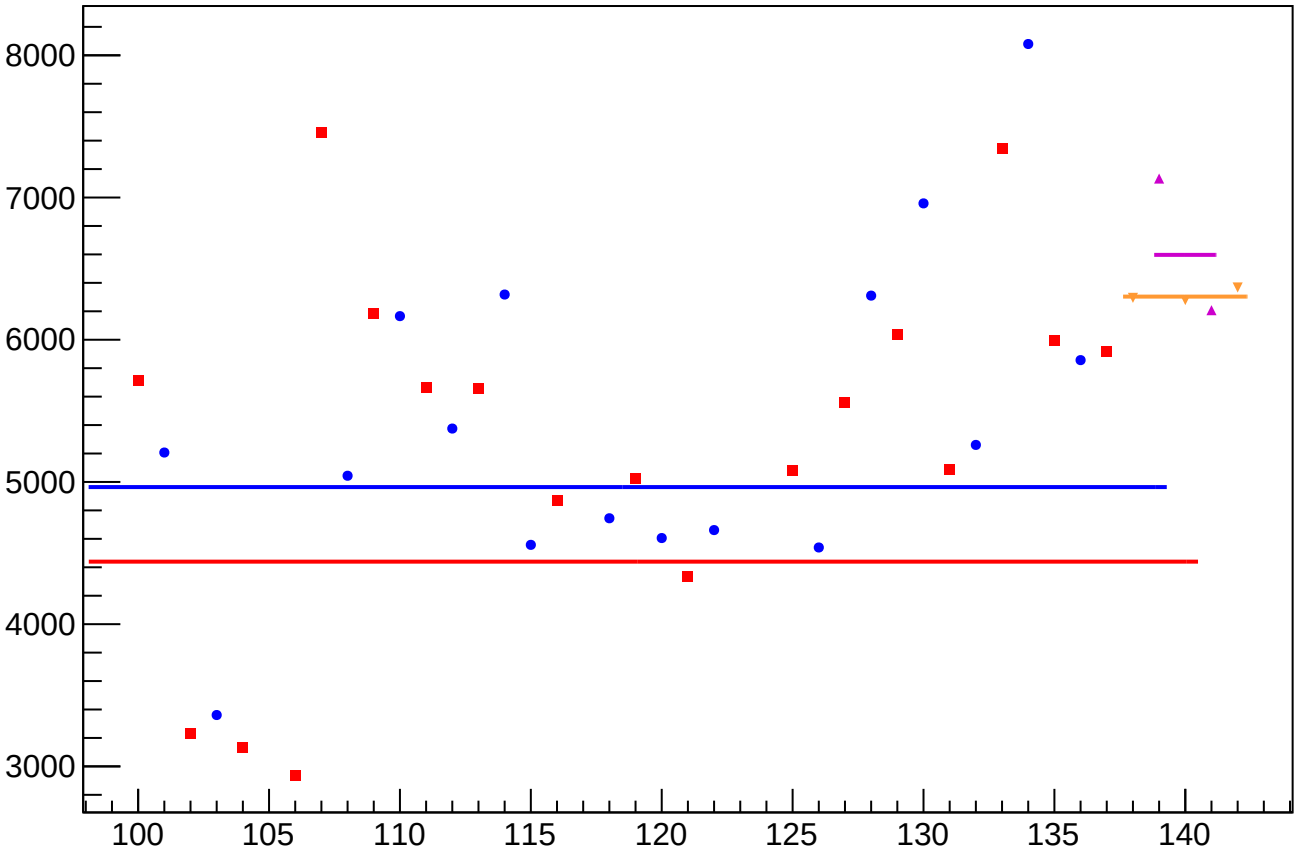
Left: 2825.933+/-3322.755 χ^2/NDF: 2.0/4

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -1457.174+/-1774.765 χ^2/NDF:14.7/17

Out: 1079.604+/-1596.805 χ^2/NDF:17.8/20

All: -55.259+/-1187.057 χ^2/NDF: 33.7/38



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6303.339+/-3.123 χ^2/NDF:117.7/2

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6596.748+/-3.567 χ^2/NDF:16408.6/1

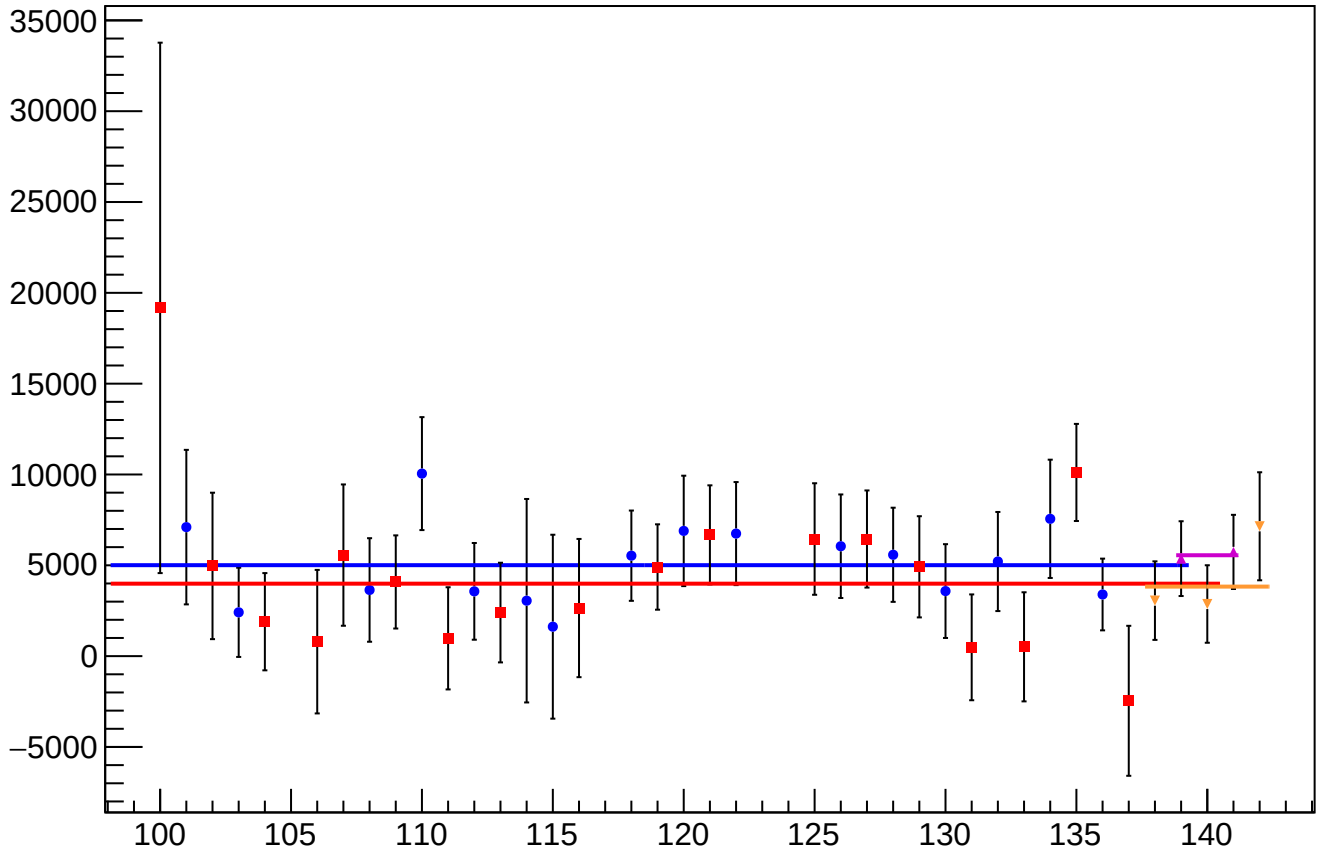
Left: 6430.649+/-2.350 χ^2/NDF: 20356.8/4

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5166.111+/-1.255 χ^2/NDF:827385.0/17

Out: 4683.326+/-1.129 χ^2/NDF:1468236.5/20

All: 4899.306+/-0.839 χ^2/NDF: 2377410.6/38



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3827.892+/-1352.487 χ^2/NDF:1.6/2

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 5554.336+/-1449.157 χ^2/NDF:0.0/1

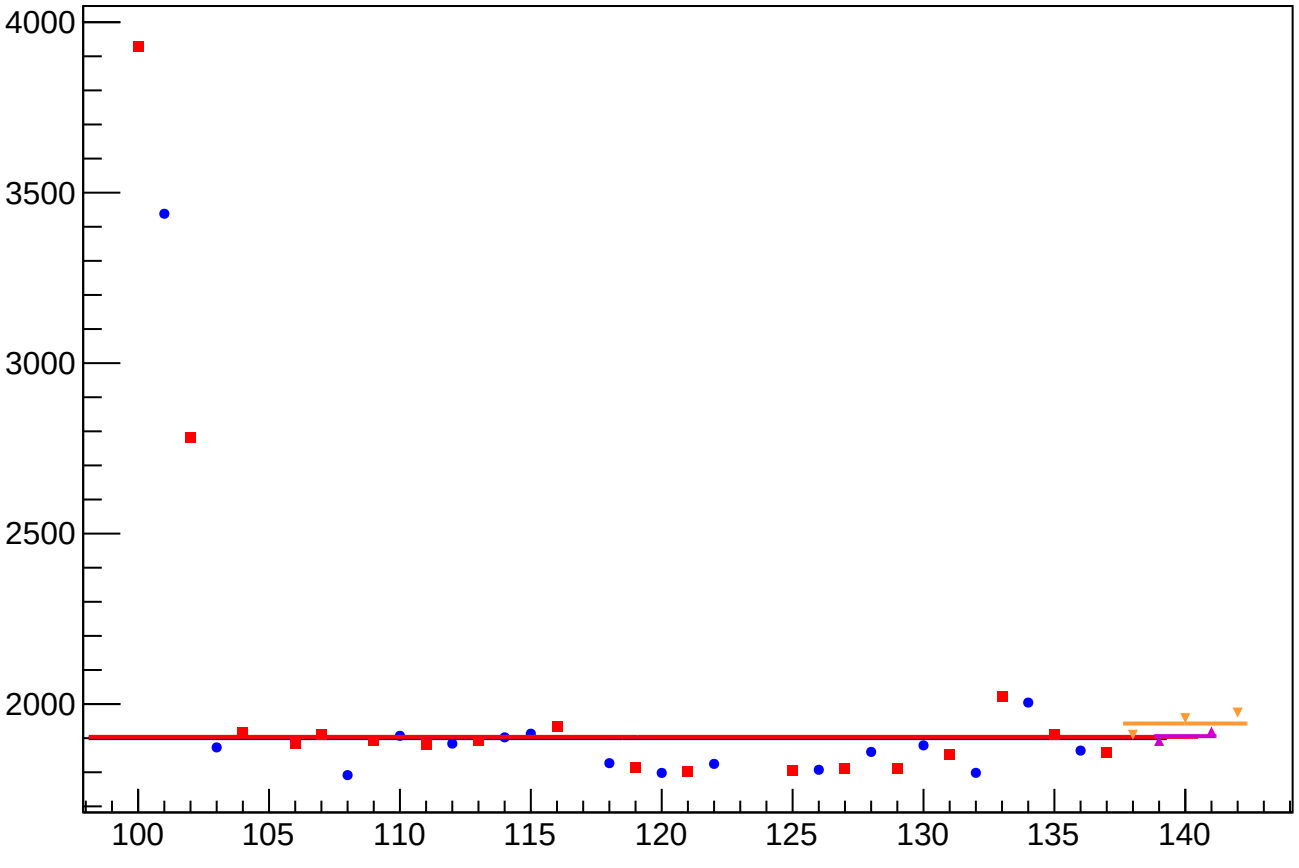
Left: 4631.614+/-988.763 χ^2/NDF: 2.4/4

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5114.181+/-640.524 χ^2/NDF:7.8/17

Out: 3953.649+/-634.881 χ^2/NDF:19.0/20

All: 4528.780+/-450.911 χ^2/NDF: 28.4/38



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1942.942+/-0.956 χ^2/NDF:807.8/2

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1905.913+/-1.025 χ^2/NDF:181.5/1

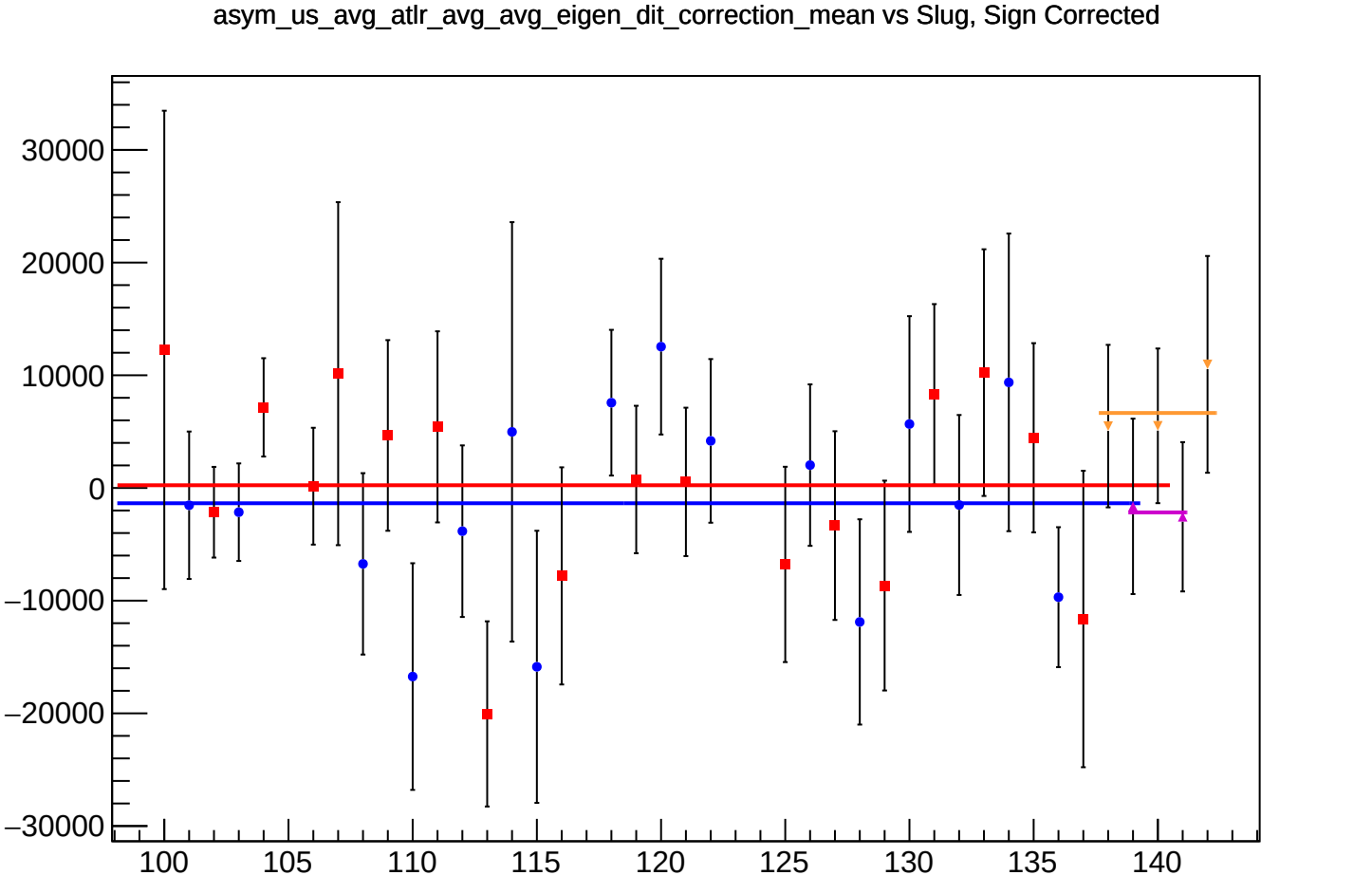
Left: 1925.704+/-0.699 χ^2/NDF: 1687.2/4

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1901.244+/-0.453 χ^2/NDF:278655.8/17

Out: 1912.431+/-0.449 χ^2/NDF:152227.8/20

All: 1906.892+/-0.319 χ^2/NDF: 431191.5/38



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 6654.405+/-4416.237 χ^2/NDF:0.3/2

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -2168.990+/-5044.342 χ^2/NDF:0.0/1

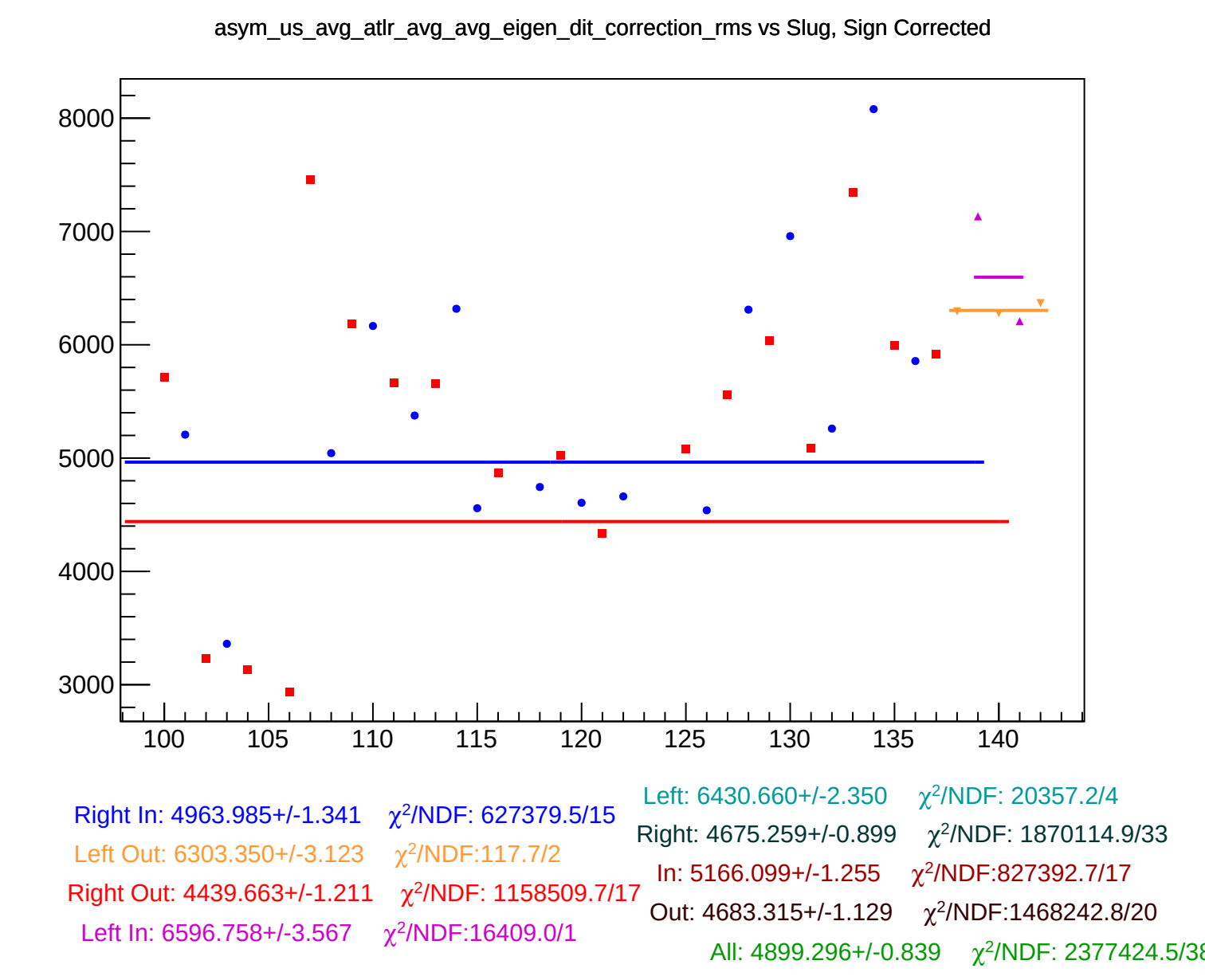
Left: 2825.938+/-3322.761 χ^2/NDF: 2.0/4

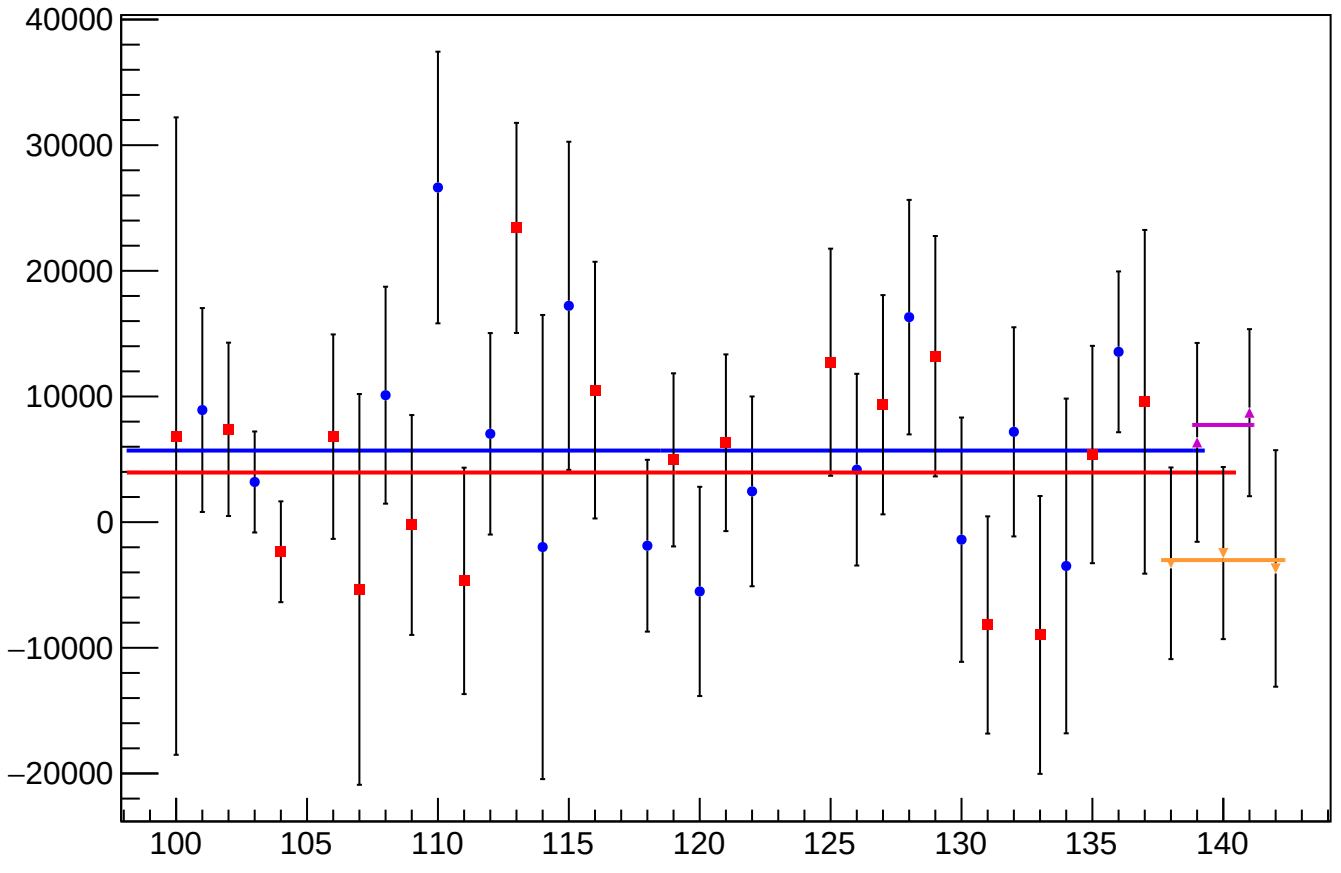
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -1457.166+/-1774.762 χ^2/NDF:14.7/17

Out: 1079.602+/-1596.802 χ^2/NDF:17.8/20

All: -55.257+/-1187.054 χ^2/NDF: 33.7/38


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
105
110
115
120
125
130
135
140
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 6303.350+/-3.123 χ²/NDF:117.7/2
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6596.758+/-3.567 χ²/NDF:16409.0/1
Left: 6430.660+/-2.350 χ²/NDF: 20357.2/4
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5166.099+/-1.255 χ²/NDF:827392.7/17
Out: 4683.315+/-1.129 χ²/NDF:1468242.8/20
All: 4899.296+/-0.839 χ²/NDF: 2377424.5/38



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -3018.861+/-4481.204 χ^2/NDF:0.0/2

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 7734.199+/-5089.884 χ^2/NDF:0.1/1

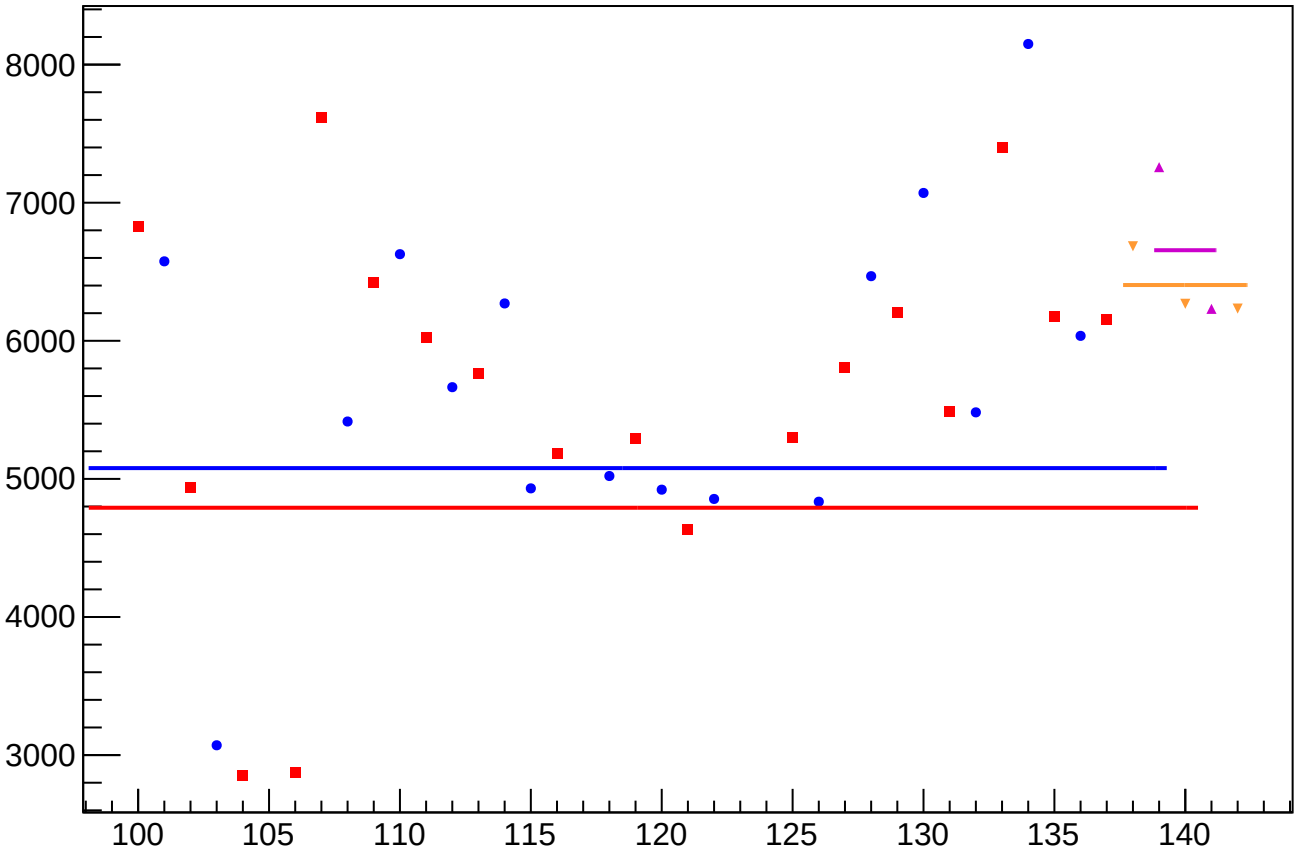
Left: 1676.576+/-3363.410 χ^2/NDF: 2.6/4

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5960.082+/-1828.435 χ^2/NDF:12.8/17

Out: 2868.050+/-1765.284 χ^2/NDF:18.2/20

All: 4359.748+/-1269.983 χ^2/NDF: 32.5/38



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6403.904+/-3.169 χ^2/NDF:4150.1/2

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6655.970+/-3.599 χ^2/NDF:19715.3/1

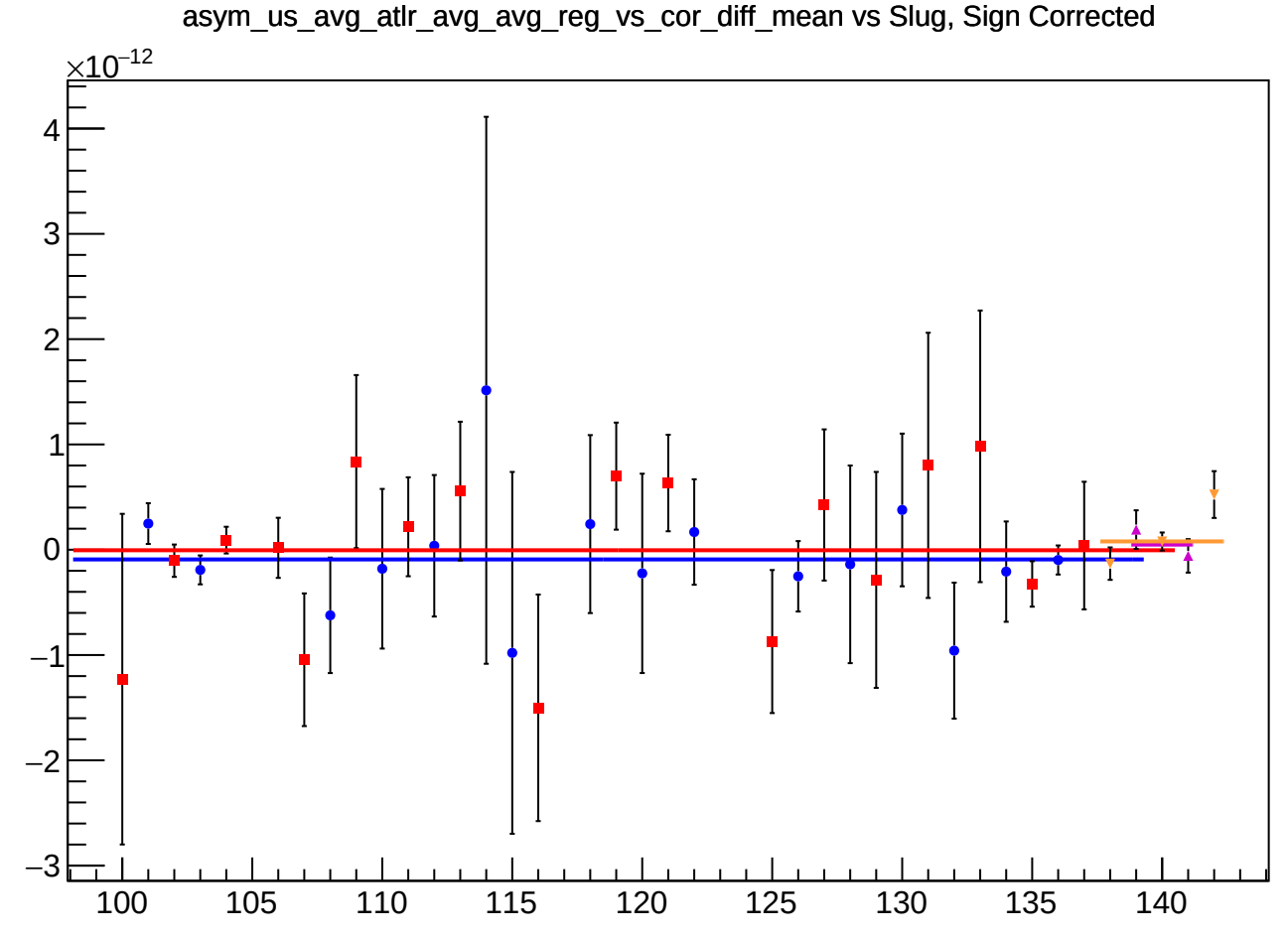
Left: 6513.971+/-2.378 χ^2/NDF: 26628.7/4

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5281.761+/-1.293 χ^2/NDF:1106312.1/17

Out: 5032.939+/-1.227 χ^2/NDF:1386813.7/20

All: 5150.840+/-0.890 χ^2/NDF: 2512614.5/38



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

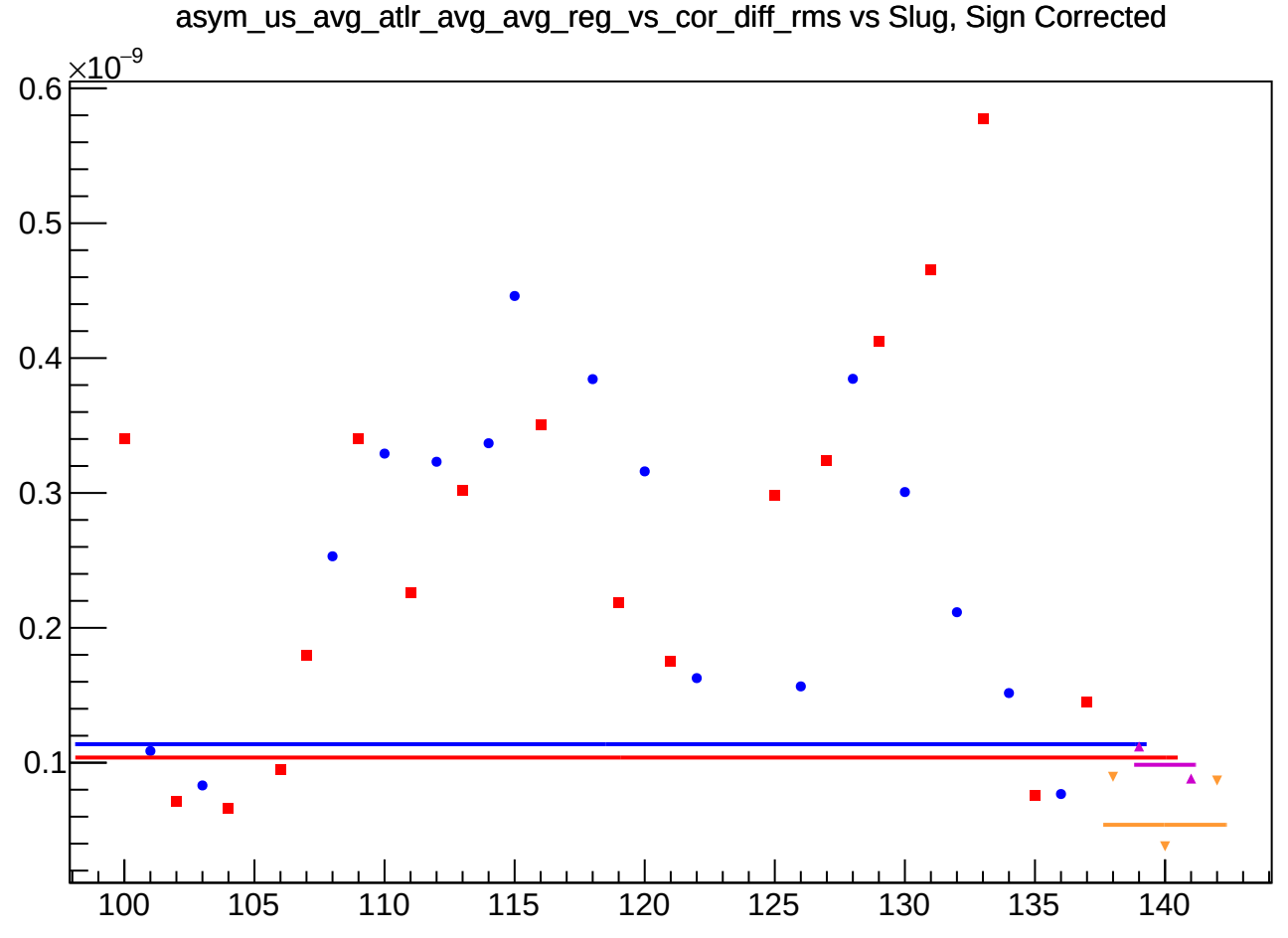
Left: 0.000+/-0.000 χ^2/NDF: 7.0/4

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:23.9/20

All: 0.000+/-0.000 χ^2/NDF: 35.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:219358.9/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19209.6/1

Left: 0.000+/-0.000 χ^2/NDF: 442072.2/4

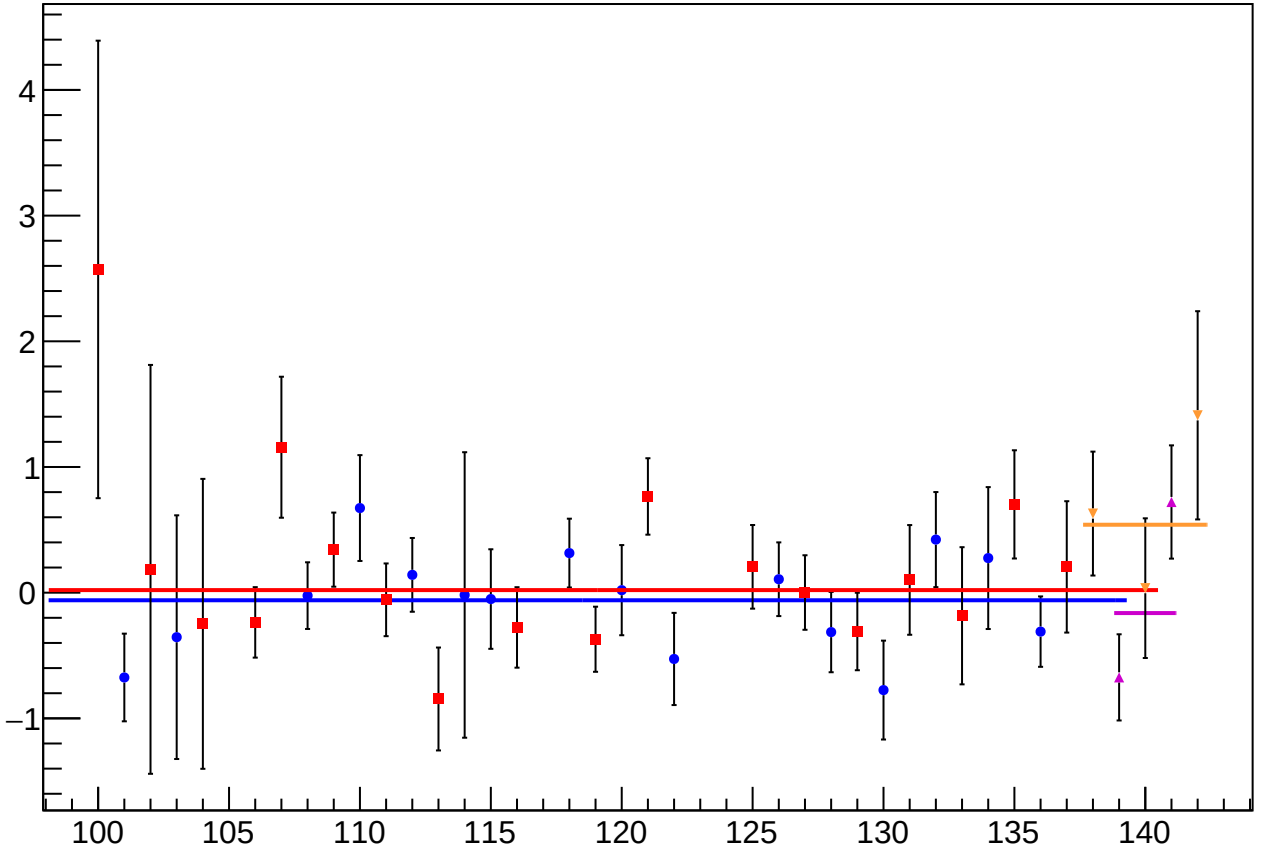
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1566826.5/17

Out: 0.000+/-0.000 χ^2/NDF:2759378.5/20

All: 0.000+/-0.000 χ^2/NDF: 4626320.9/38

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

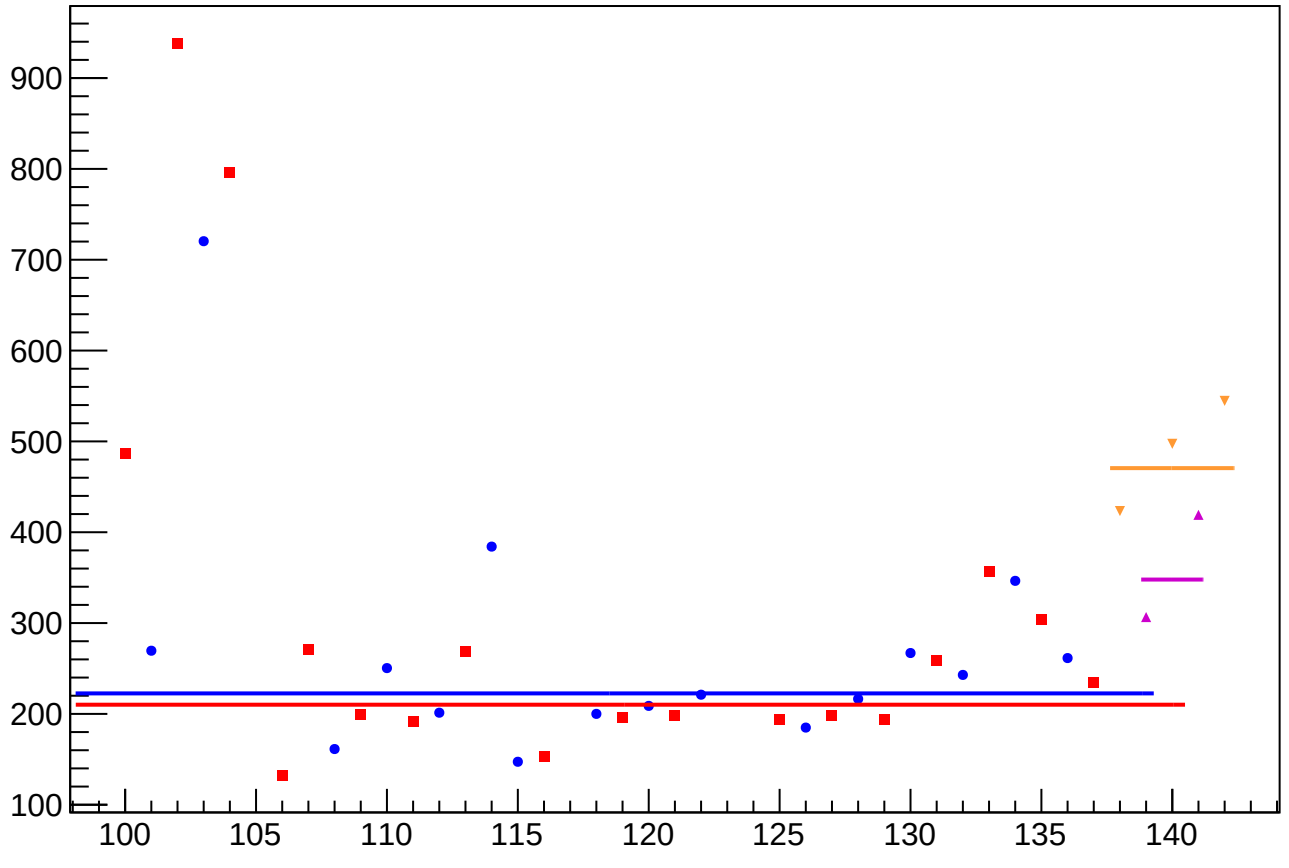
Left: 0.116+/-0.212 χ^2/NDF: 10.7/4

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.009+/-0.060 χ^2/NDF: 54.9/38



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 470.577+/-0.238 χ^2/NDF:38999.5/2

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: 396.497+/-0.150 χ^2/NDF: 278181.2/4

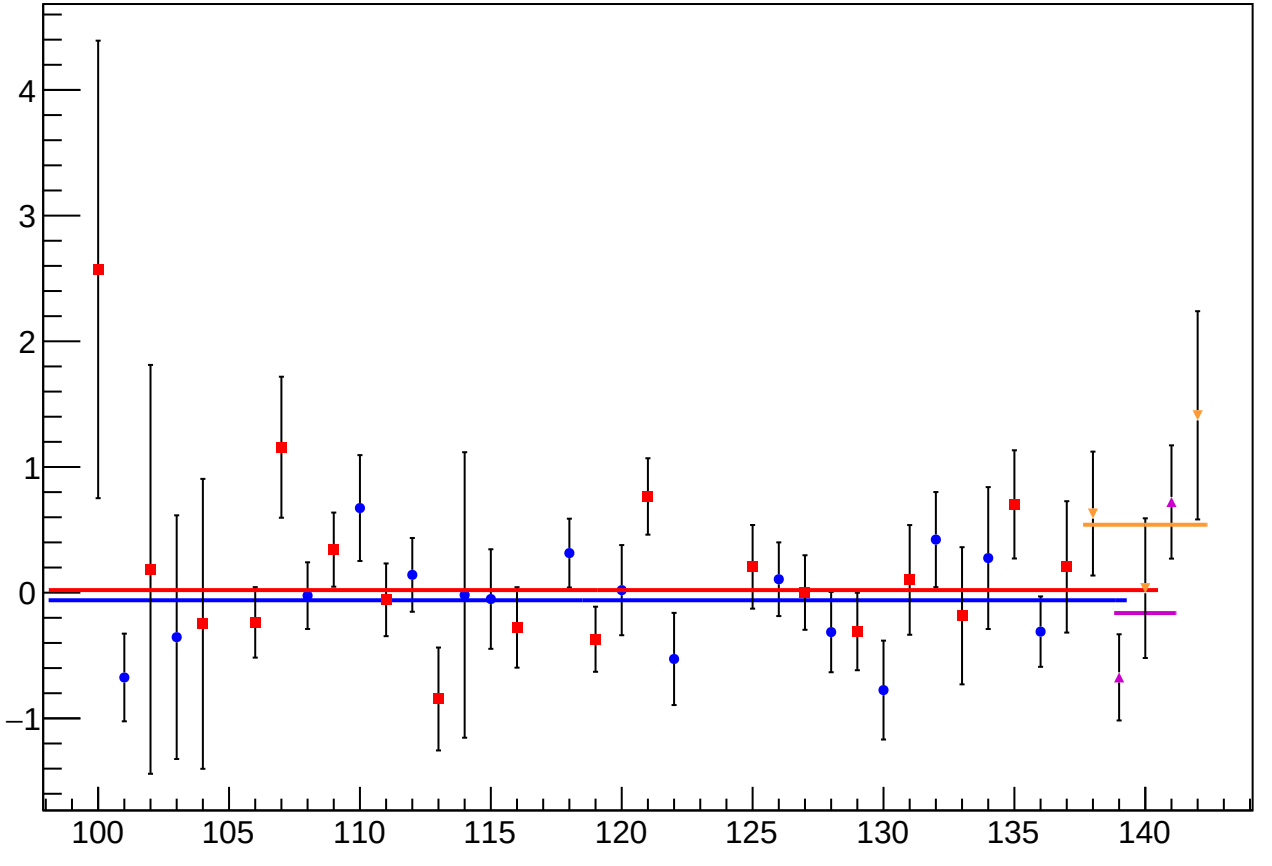
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 234.536+/-0.060 χ^2/NDF:1479422.8/17

Out: 226.559+/-0.060 χ^2/NDF:2707565.3/20

All: 230.562+/-0.042 χ^2/NDF: 4195906.9/38

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

Left: 0.116+/-0.212 χ^2/NDF: 10.7/4

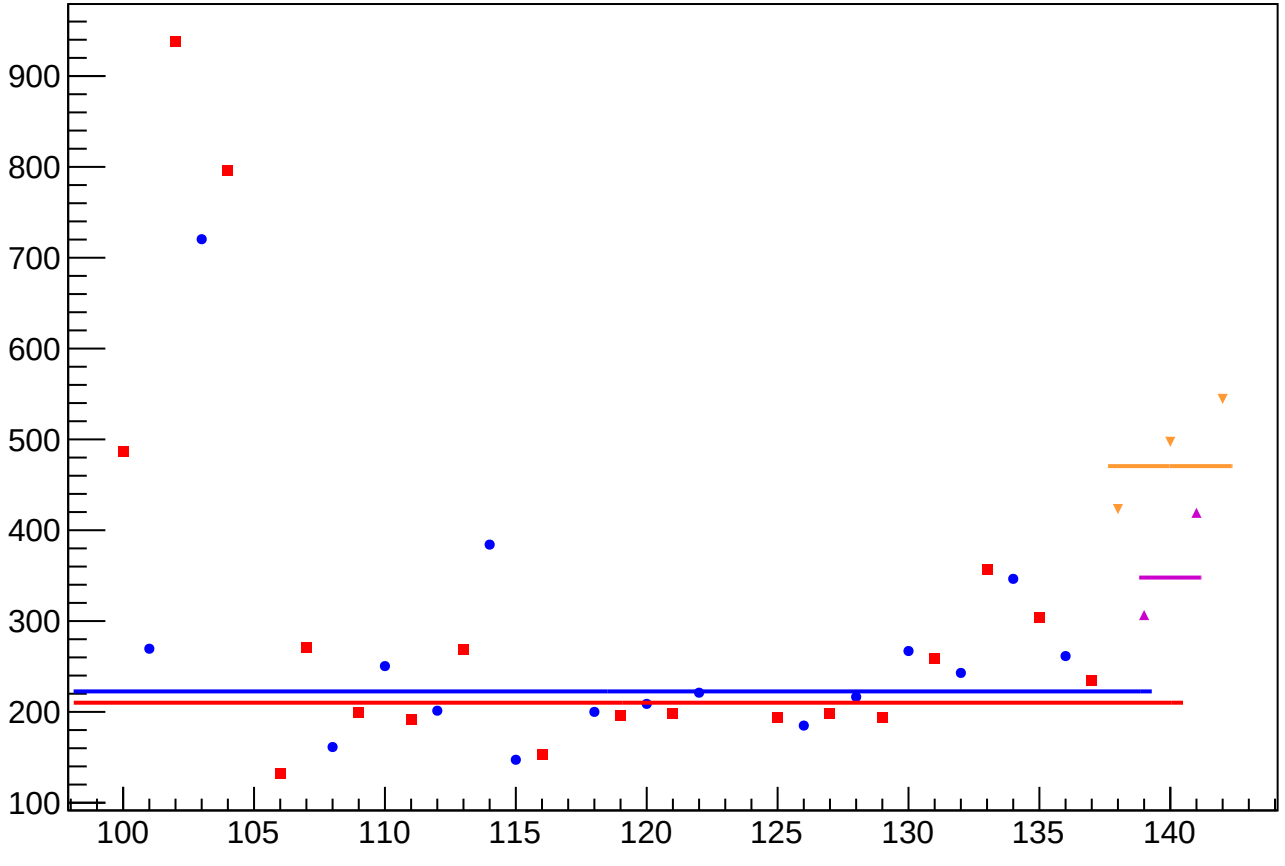
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.009+/-0.060 χ^2/NDF: 54.9/38

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: 470.577+/-0.238 χ^2/NDF:38999.5/2

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: 396.497+/-0.150 χ^2/NDF: 278181.2/4

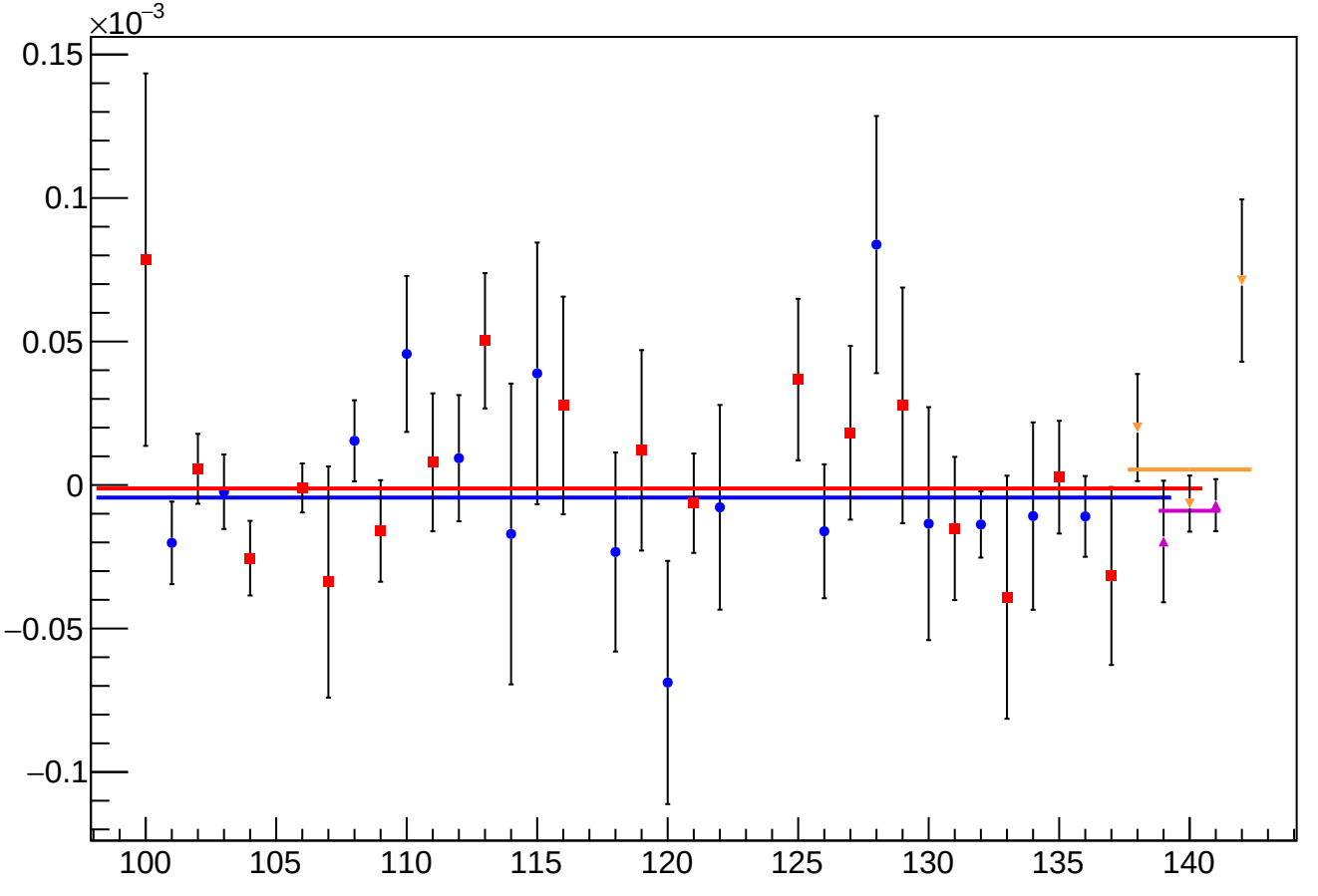
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 234.536+/-0.060 χ^2/NDF:1479422.8/17

Out: 226.559+/-0.060 χ^2/NDF:2707565.3/20

All: 230.562+/-0.042 χ^2/NDF: 4195906.9/38

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:7.5/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

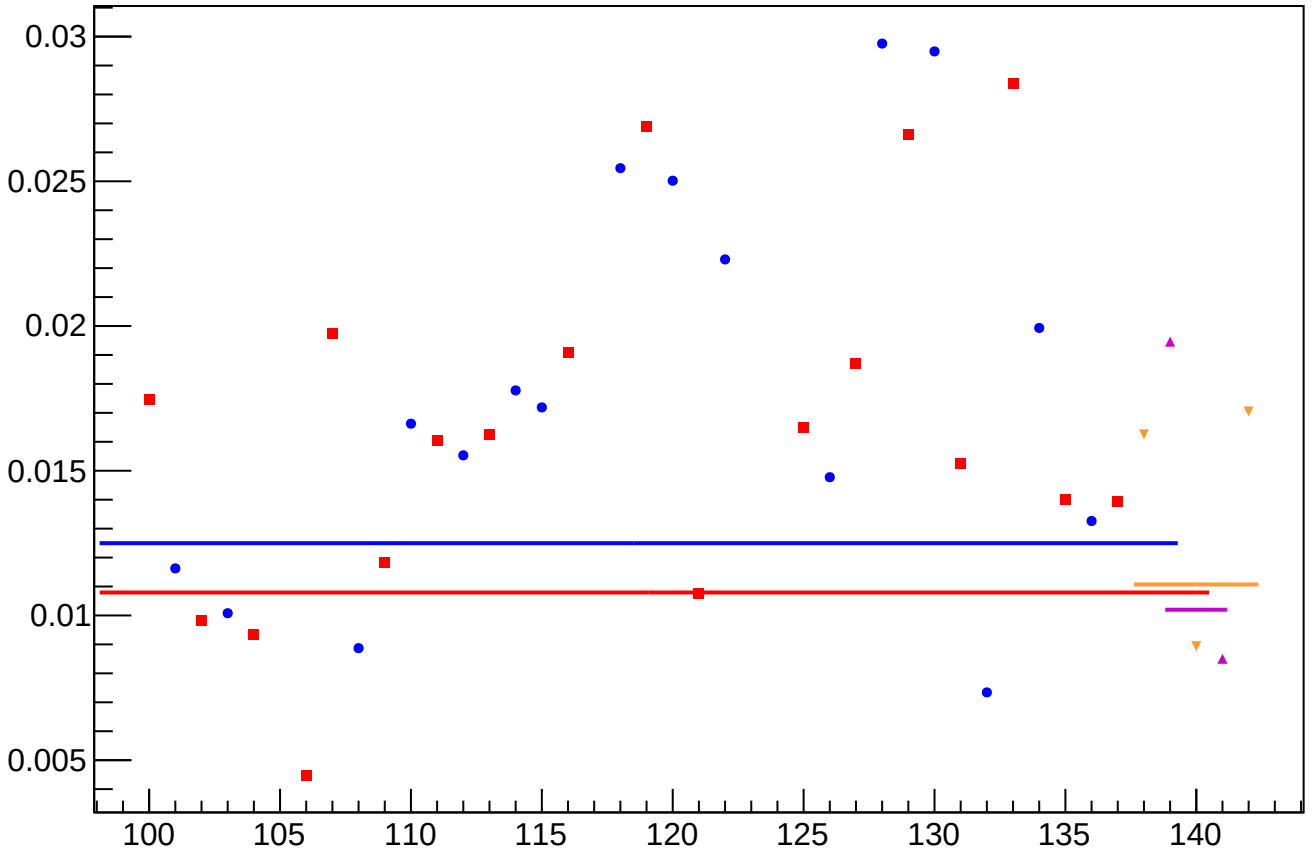
Left: -0.000+/-0.000 χ^2/NDF: 9.3/4

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:25.2/20

All: -0.000+/-0.000 χ^2/NDF: 42.4/38



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:339312.1/2

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.010+/-0.000 χ^2/NDF:452198.9/1

Left: 0.011+/-0.000 χ^2/NDF: 802569.1/4

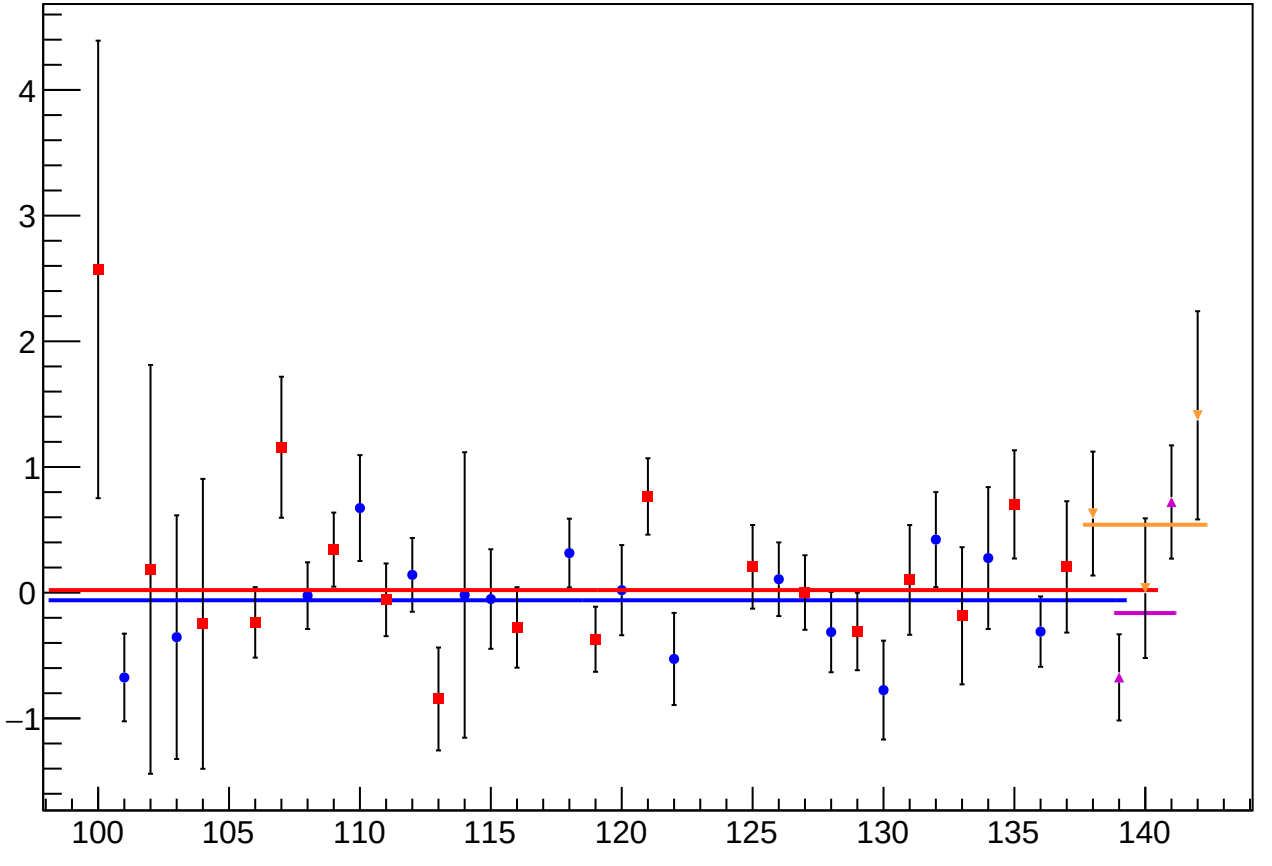
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:2678098.0/17

Out: 0.011+/-0.000 χ^2/NDF:3328859.7/20

All: 0.011+/-0.000 χ^2/NDF: 6065786.1/38

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

Left: 0.116+/-0.212 χ^2/NDF: 10.7/4

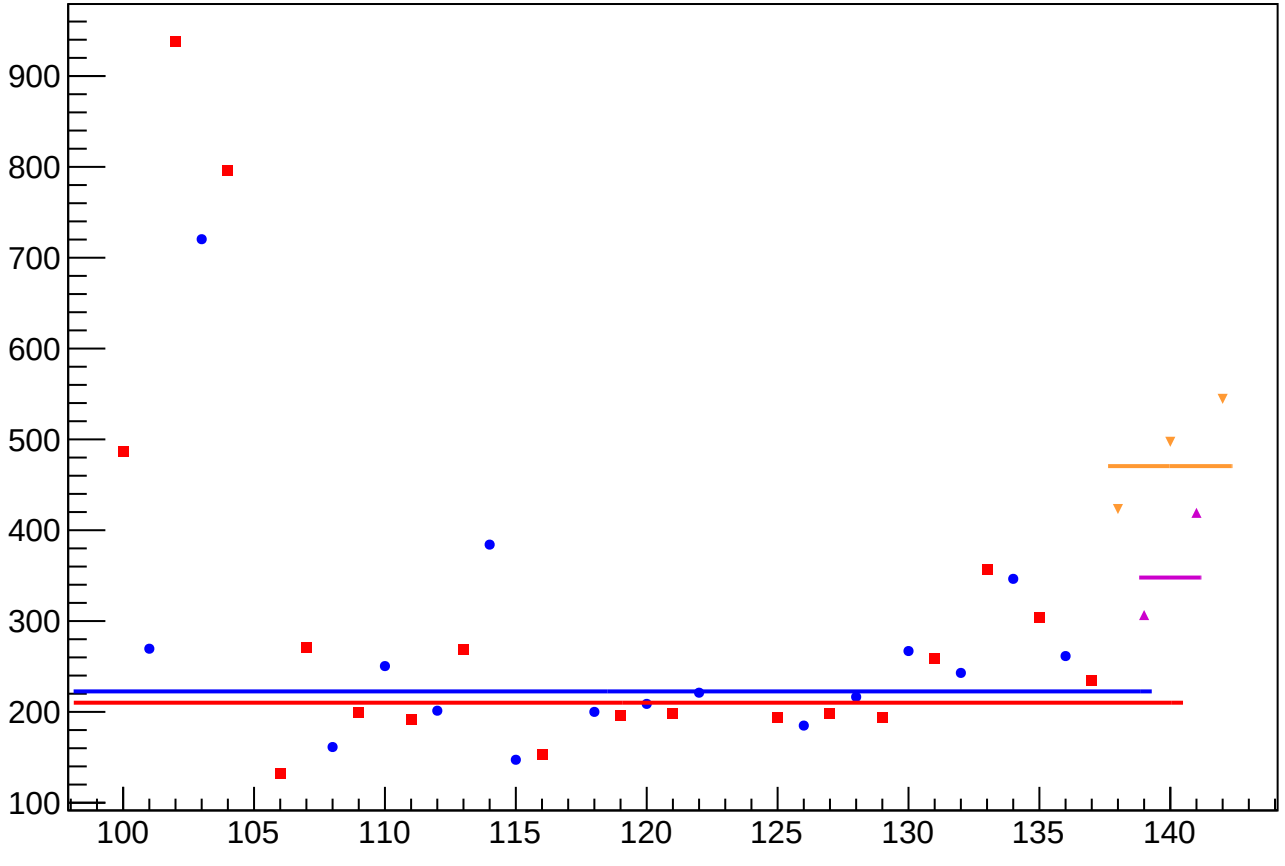
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.009+/-0.060 χ^2/NDF: 54.9/38

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: 470.581+/-0.238 χ^2/NDF:39000.3/2

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 347.902+/-0.193 χ^2/NDF:79010.5/1

Left: 396.503+/-0.150 χ^2/NDF: 278162.5/4

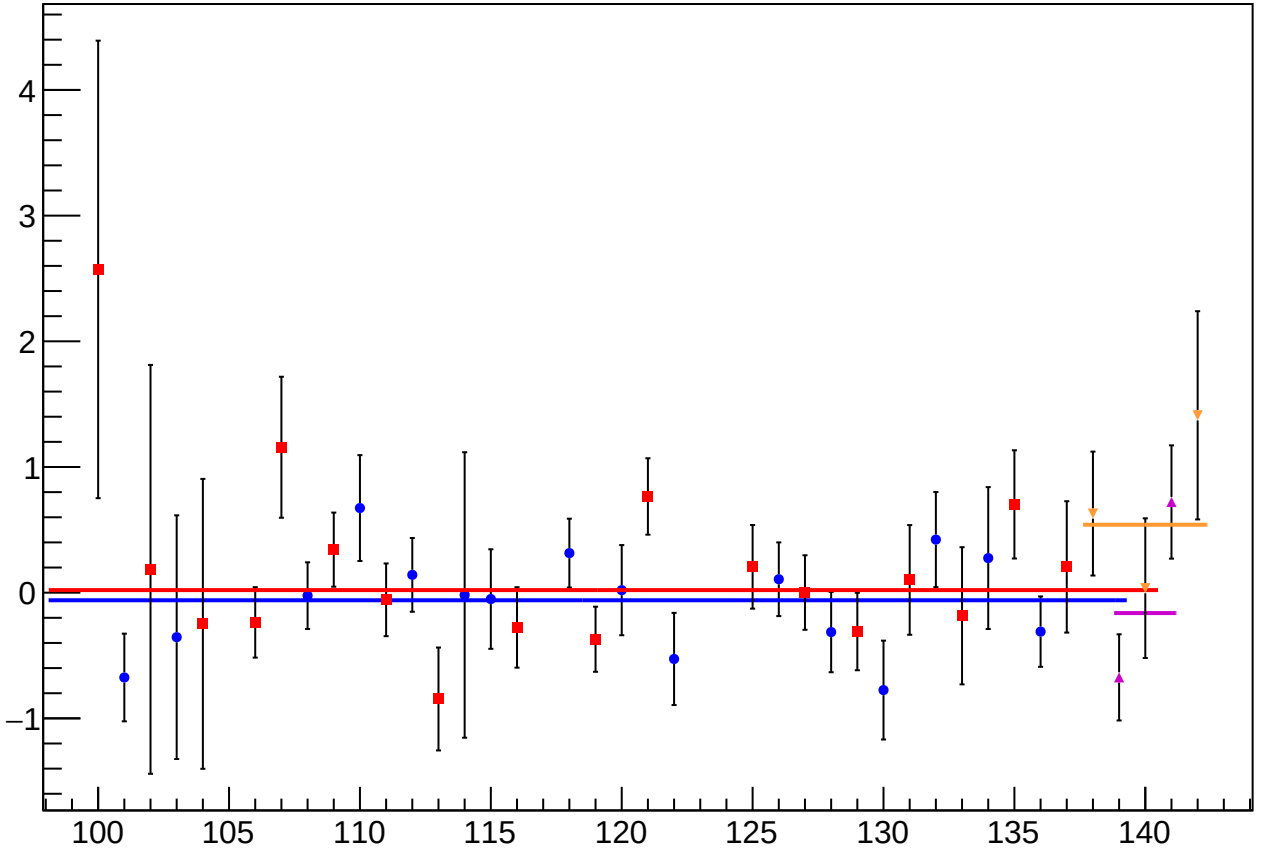
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 234.535+/-0.060 χ^2/NDF:1479437.7/17

Out: 226.556+/-0.060 χ^2/NDF:2707587.7/20

All: 230.560+/-0.042 χ^2/NDF: 4195947.1/38

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: 0.541+/-0.337 χ^2/NDF:2.0/2

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.273 χ^2/NDF:6.1/1

Left: 0.116+/-0.212 χ^2/NDF: 10.7/4

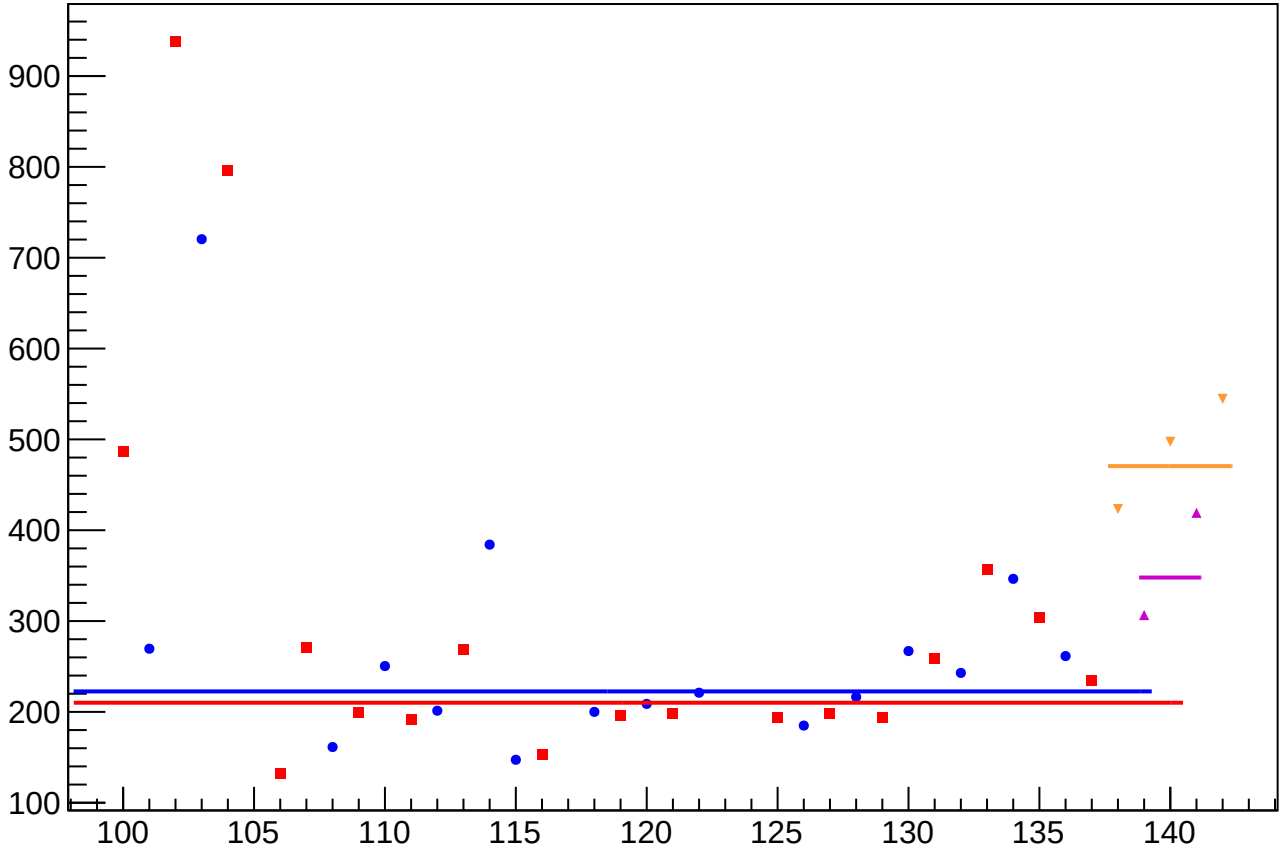
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.070+/-0.084 χ^2/NDF:23.5/17

Out: 0.053+/-0.085 χ^2/NDF:30.3/20

All: -0.009+/-0.060 χ^2/NDF: 54.9/38

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 470.581+/-0.238 χ^2/NDF:39000.3/2

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 347.902+/-0.193 χ^2/NDF:79010.5/1

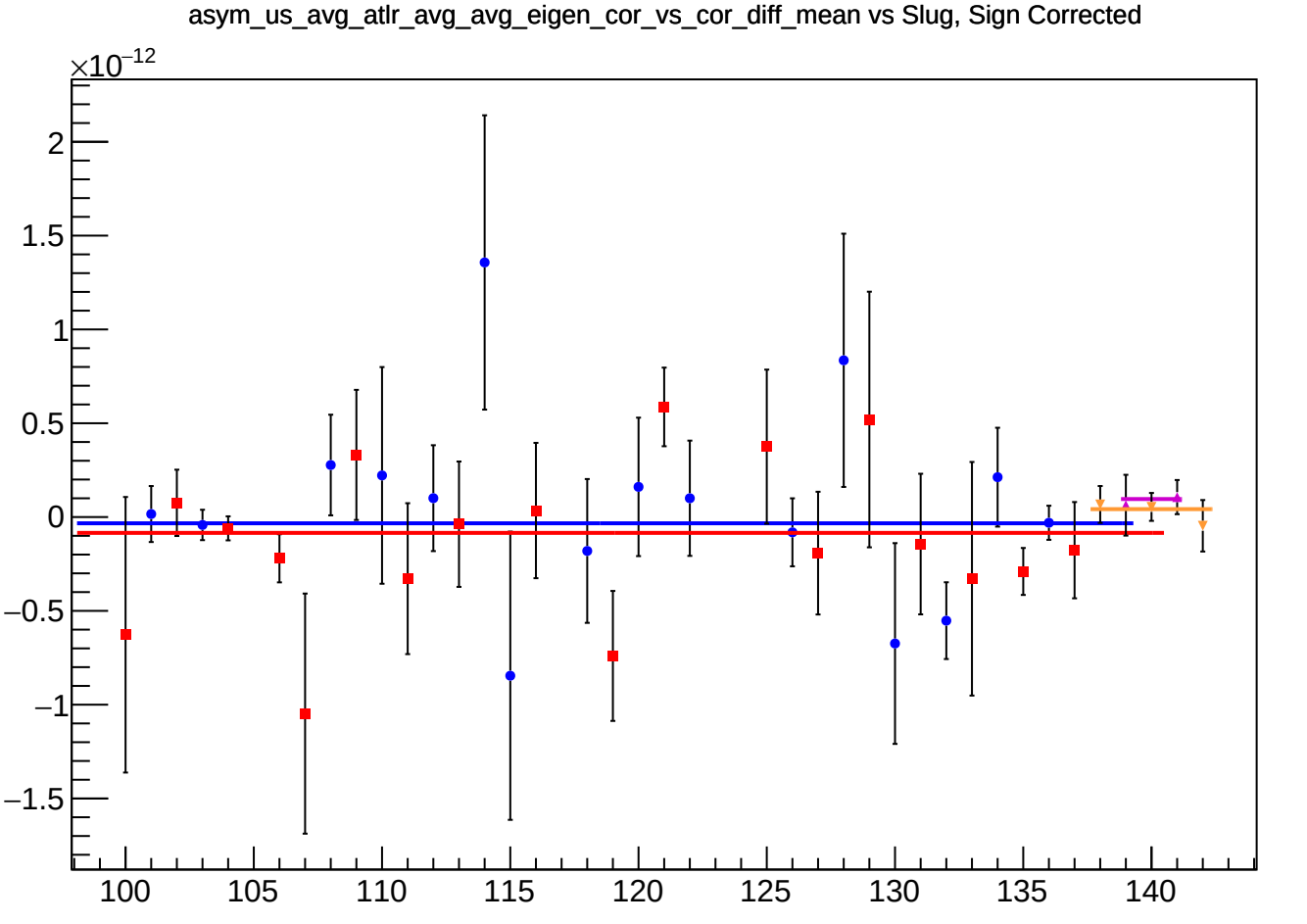
Left: 396.503+/-0.150 χ^2/NDF: 278162.5/4

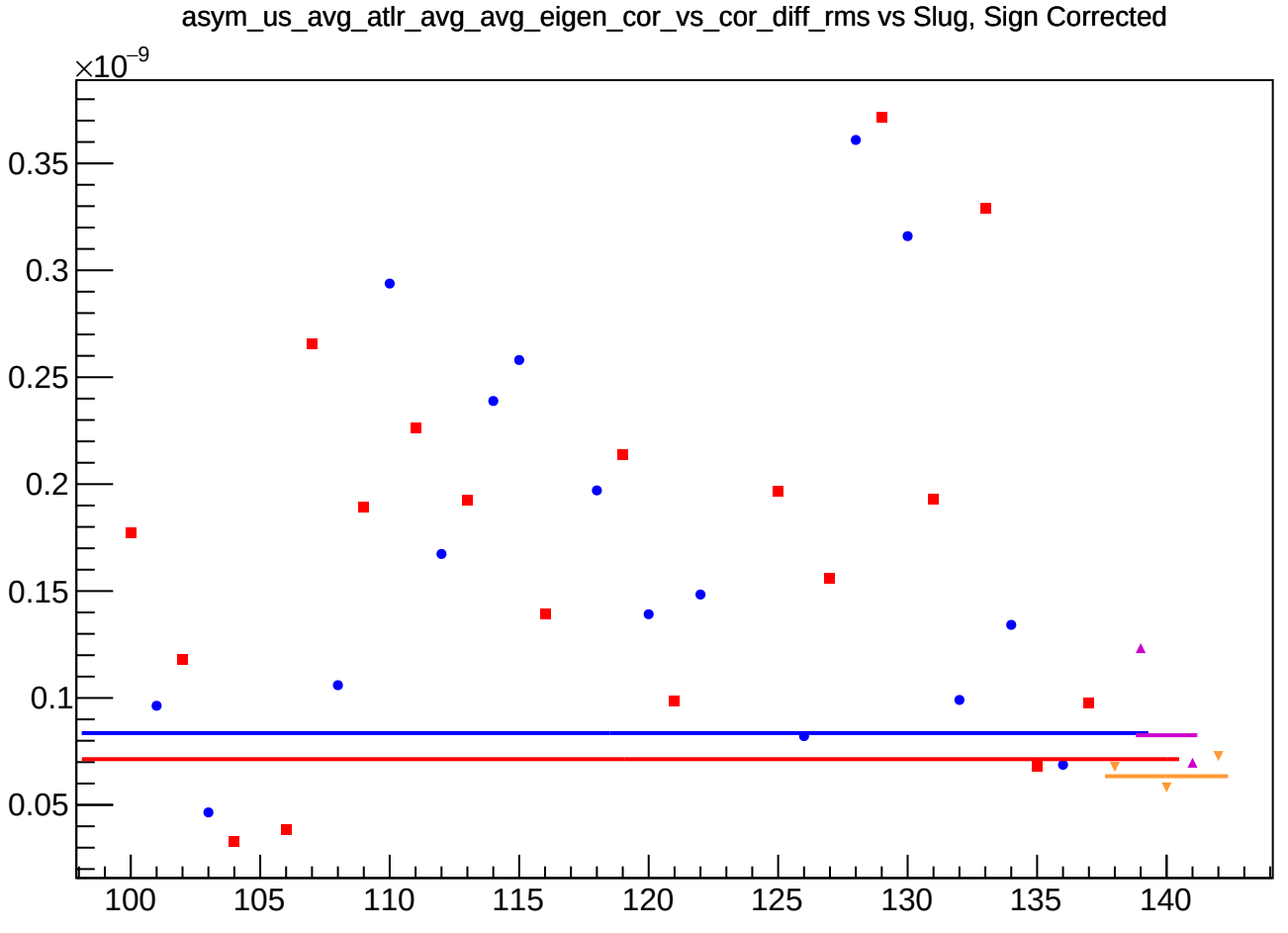
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 234.535+/-0.060 χ^2/NDF:1479437.7/17

Out: 226.556+/-0.060 χ^2/NDF:2707587.7/20

All: 230.560+/-0.042 χ^2/NDF: 4195947.1/38


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
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: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:0.5/2
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:0.1/1
Left: 0.000+/-0.000 χ²/NDF: 0.9/4
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: 0.000+/-0.000 χ²/NDF:19.2/17
Out: -0.000+/-0.000 χ²/NDF:29.6/20
All: -0.000+/-0.000 χ²/NDF: 49.3/38



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23325.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:166274.0/1

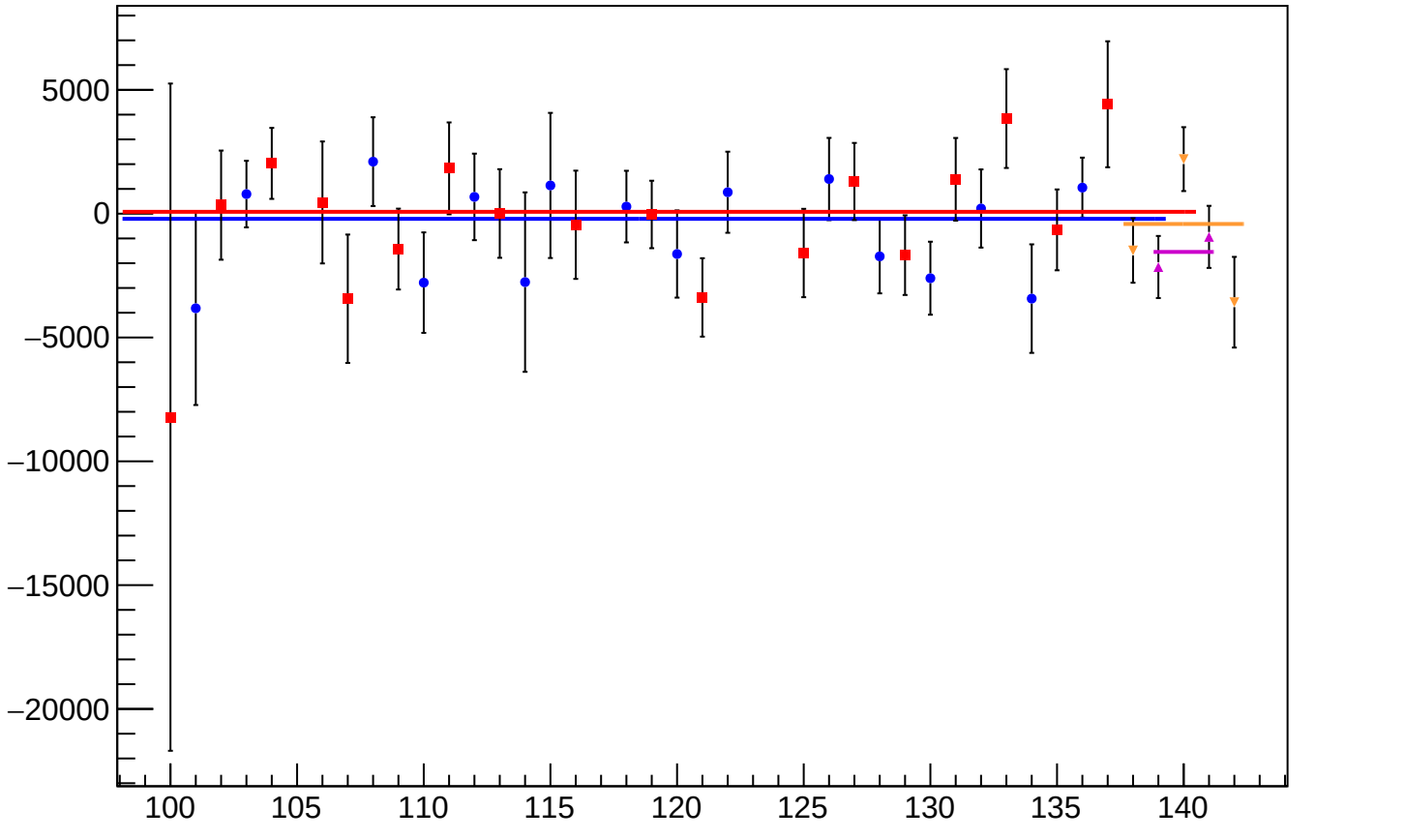
Left: 0.000+/-0.000 χ^2/NDF: 268981.9/4

Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:2401943.7/17

Out: 0.000+/-0.000 χ^2/NDF:3794289.0/20

All: 0.000+/-0.000 χ^2/NDF: 6358315.7/38



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.024+/-819.745 χ^2/NDF:7.8/2

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -1544.692+/-886.721 χ^2/NDF:0.5/1

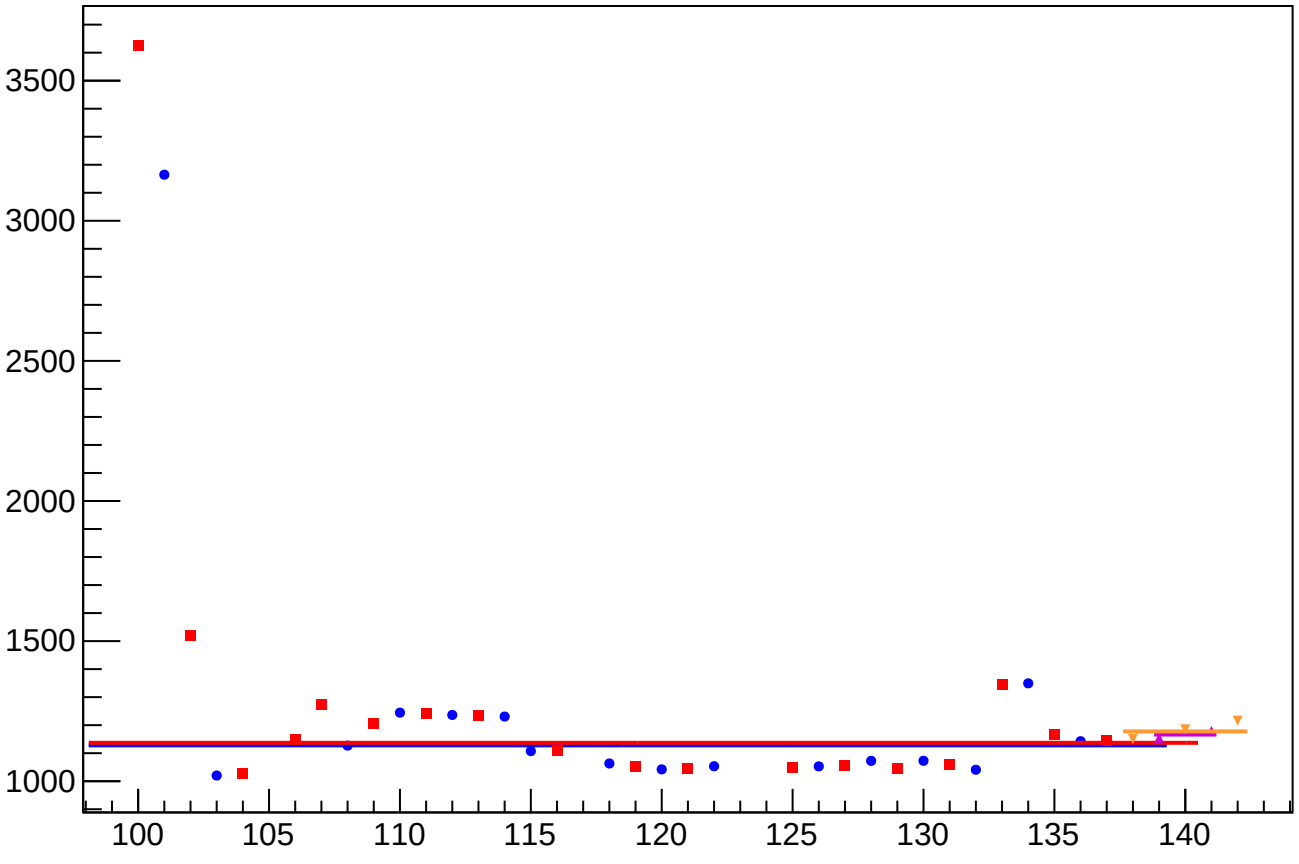
Left: -936.128+/-601.934 χ^2/NDF: 9.1/4

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -461.954+/-386.291 χ^2/NDF:17.1/17

Out: -30.766+/-381.319 χ^2/NDF:28.7/20

All: -243.567+/-271.374 χ^2/NDF: 46.4/38



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

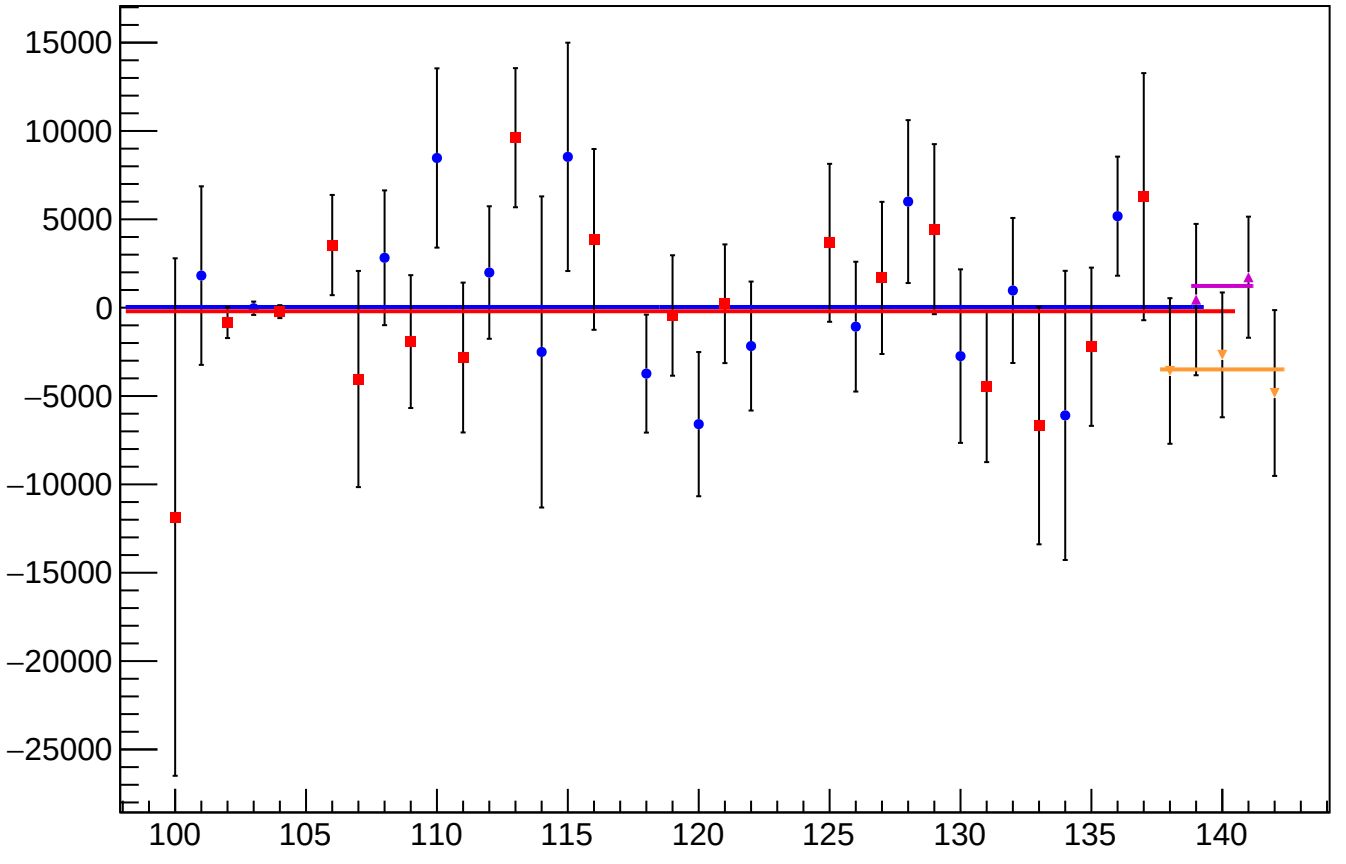
Left: 1172.511+/-0.426 χ^2/NDF: 2391.1/4

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1135.307+/-0.273 χ^2/NDF:624867.6/17

Out: 1145.808+/-0.269 χ^2/NDF:225734.6/20

All: 1140.633+/-0.192 χ^2/NDF: 851351.7/38



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -3493.322+/-2328.025 χ^2/NDF:0.1/2

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 1230.121+/-2675.516 χ^2/NDF:0.1/1

Left: -1458.064+/-1756.256 χ^2/NDF: 2.0/4

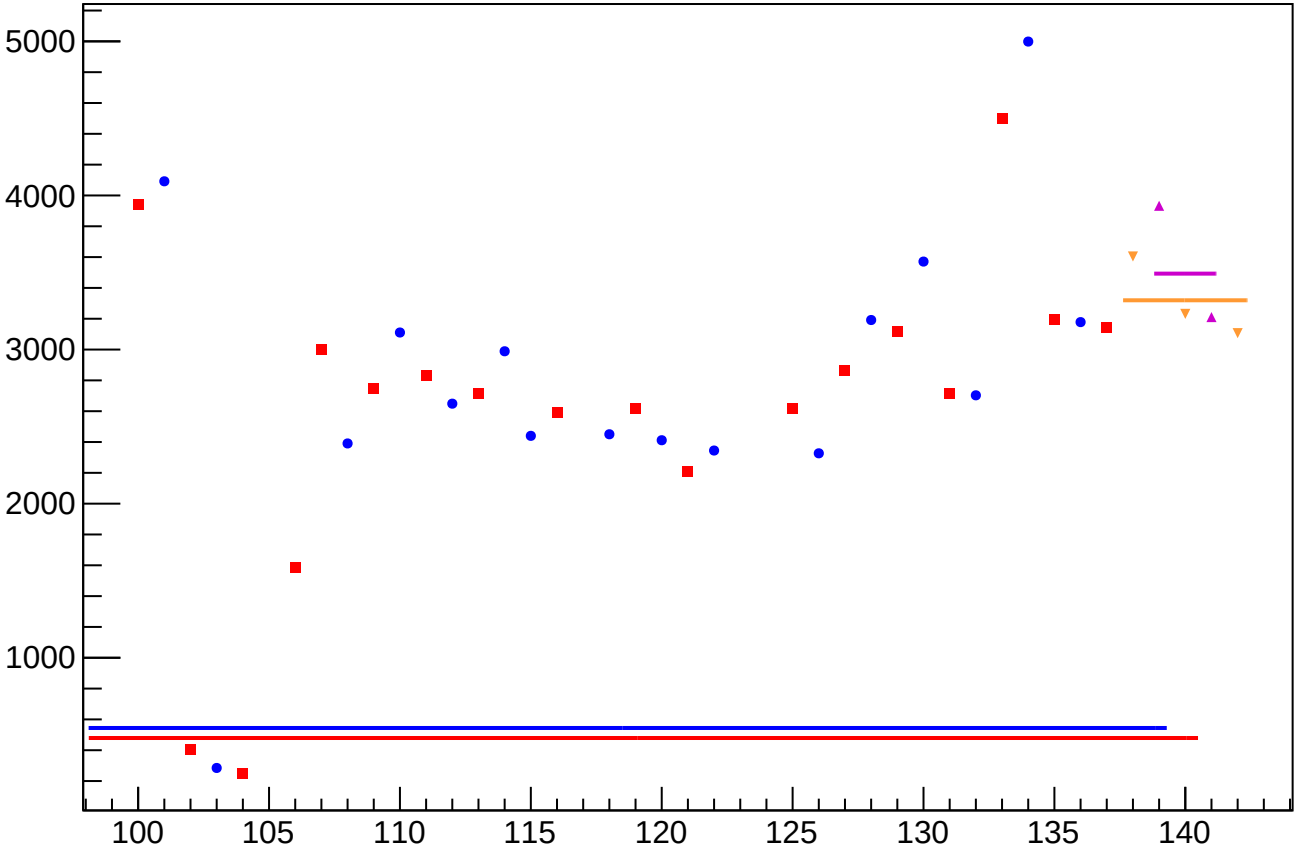
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 59.223+/-354.498 χ^2/NDF:15.1/17

Out: -263.638+/-319.493 χ^2/NDF:17.7/20

All: -118.931+/-237.329 χ^2/NDF: 33.3/38

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: 3319.716+/-1.646 χ^2/NDF:14905.6/2

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3492.715+/-1.892 χ^2/NDF:34682.6/1

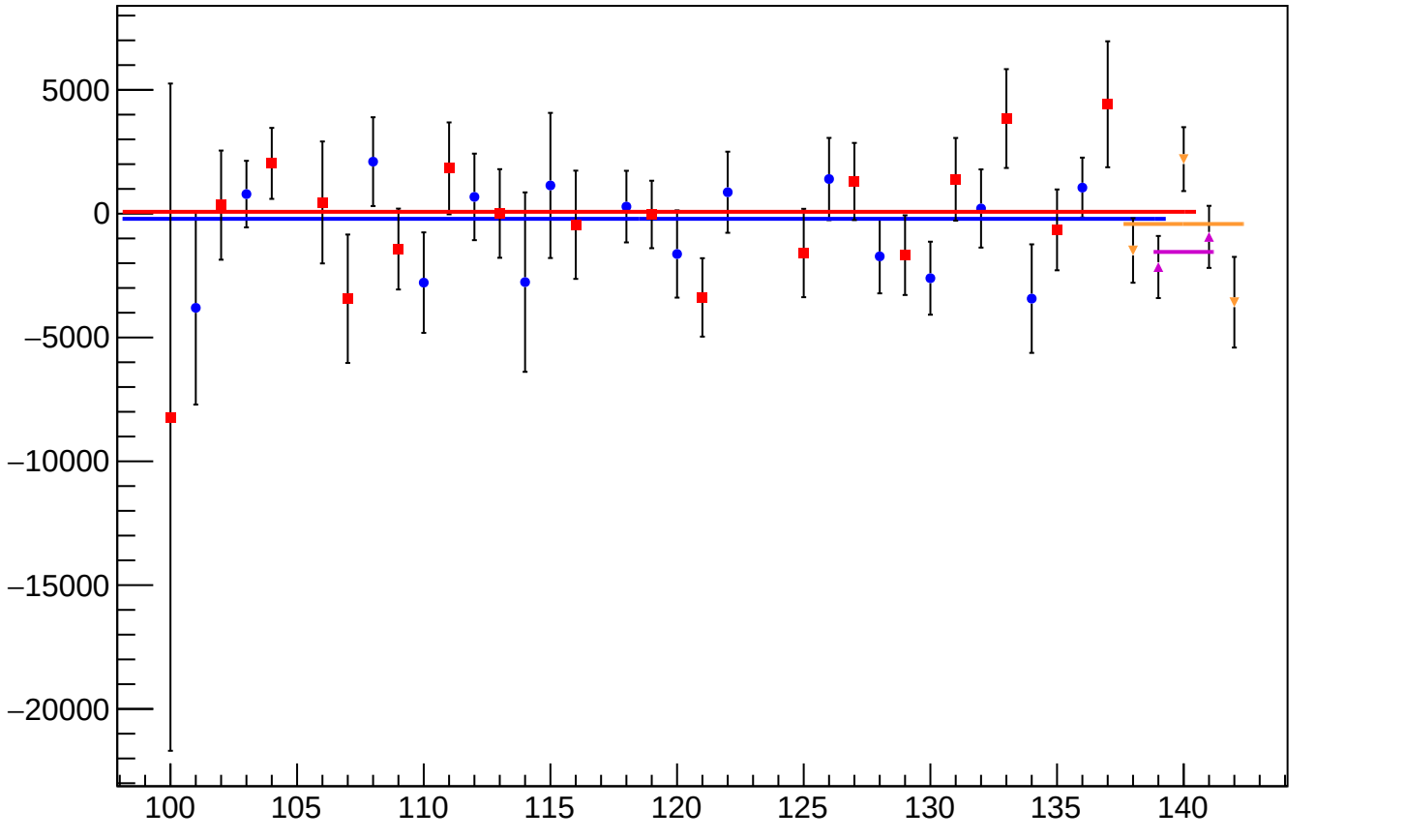
Left: 3394.259+/-1.242 χ^2/NDF: 54346.9/4

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 596.096+/-0.251 χ^2/NDF:12103755.5/17

Out: 532.750+/-0.226 χ^2/NDF:12124186.7/20

All: 561.142+/-0.168 χ^2/NDF: 24263180.3/38



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.068+/-819.745 χ^2/NDF:7.8/2

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1544.884+/-886.721 χ^2/NDF:0.5/1

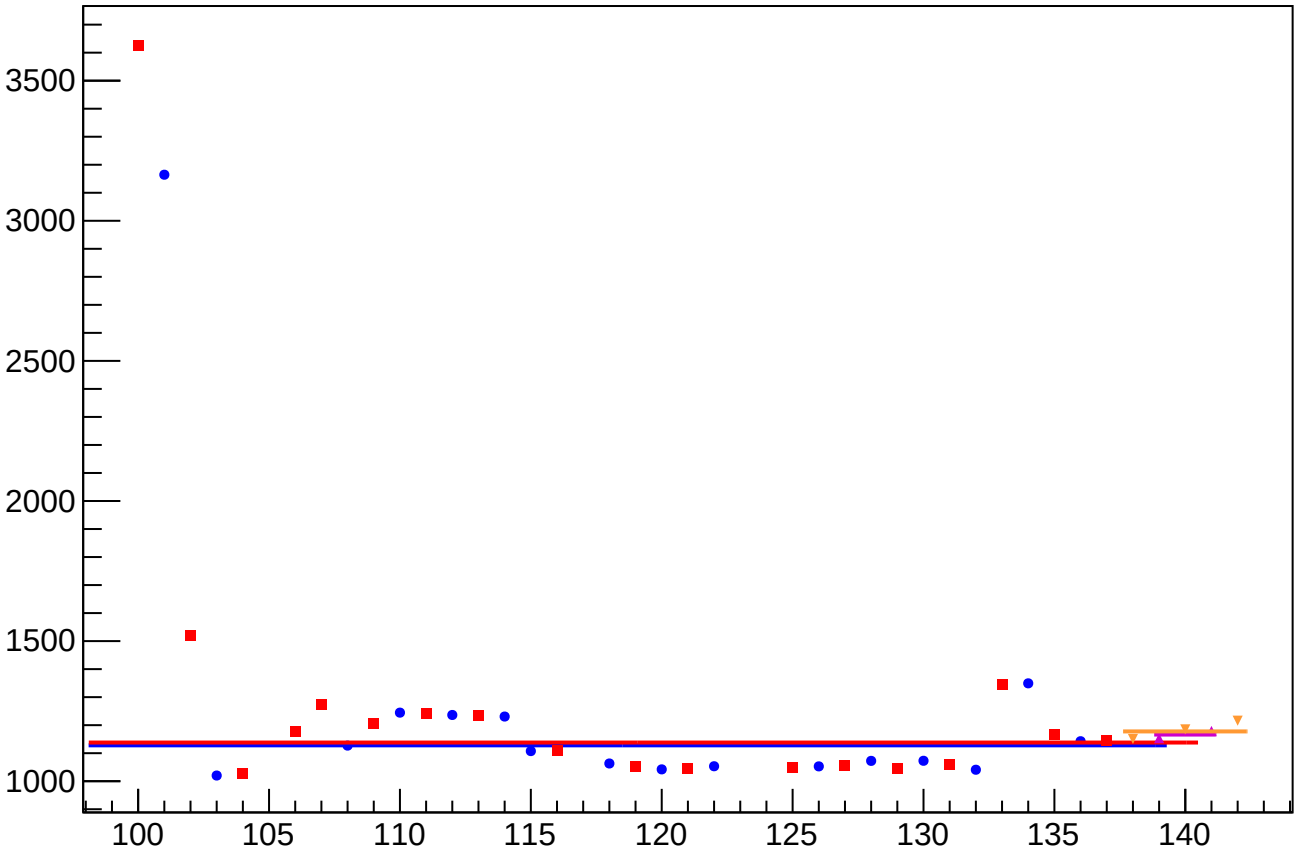
Left: -936.240+/-601.934 χ^2/NDF: 9.1/4

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -461.806+/-386.291 χ^2/NDF:17.1/17

Out: -30.661+/-381.319 χ^2/NDF:28.7/20

All: -243.441+/-271.374 χ^2/NDF: 46.4/38



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

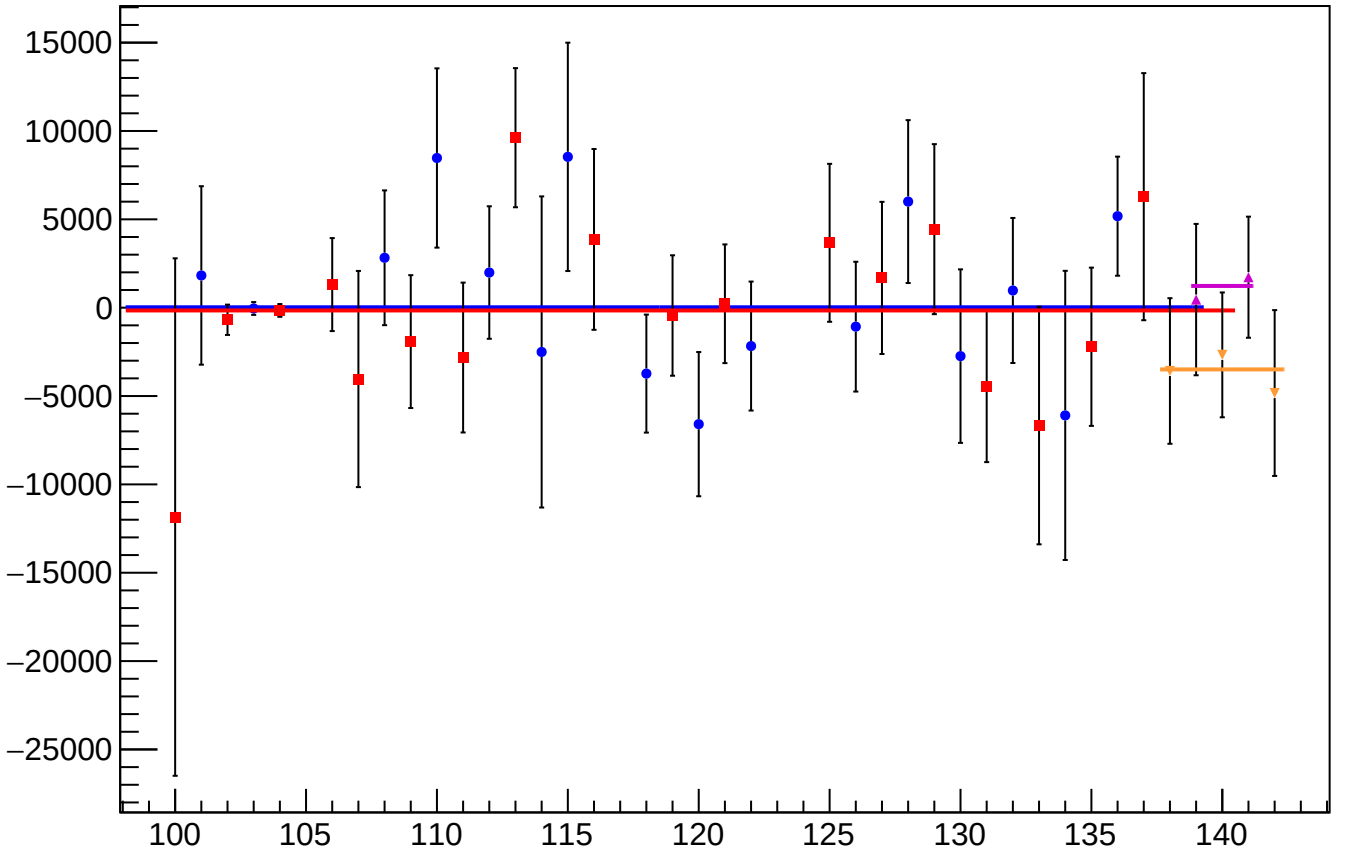
Left: 1172.511+/-0.426 χ^2/NDF: 2391.1/4

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1135.307+/-0.273 χ^2/NDF:624868.7/17

Out: 1146.576+/-0.270 χ^2/NDF:226091.3/20

All: 1141.017+/-0.192 χ^2/NDF: 851822.4/38



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3493.360+/-2328.023 χ^2/NDF:0.1/2

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: -1458.065+/-1756.257 χ^2/NDF: 2.0/4

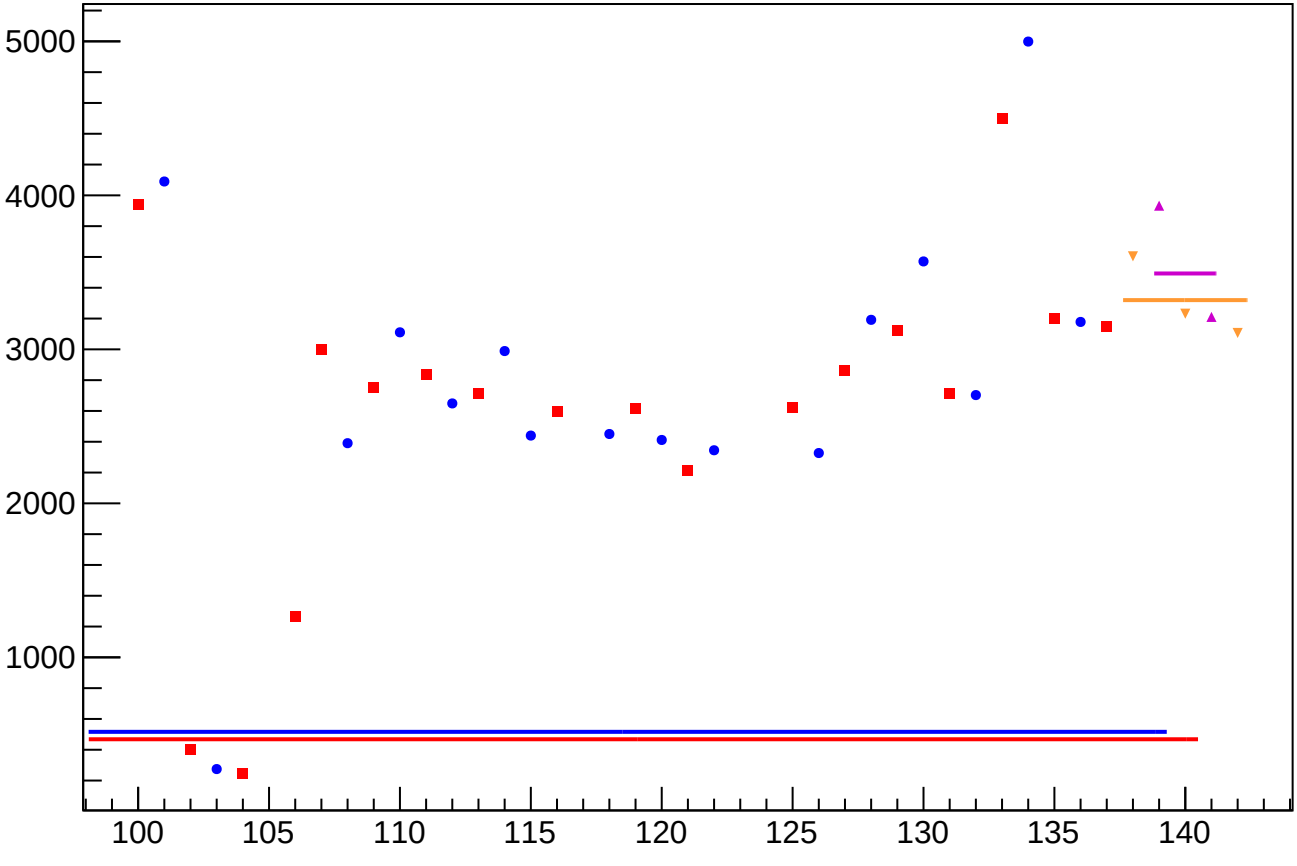
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 41.358+/-341.704 χ^2/NDF:15.1/17

Out: -217.118+/-314.459 χ^2/NDF:16.1/20

All: -98.594+/-231.389 χ^2/NDF: 31.6/38

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: 3319.712+/-1.646 χ^2/NDF:14905.1/2

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3492.720+/-1.892 χ^2/NDF:34682.7/1

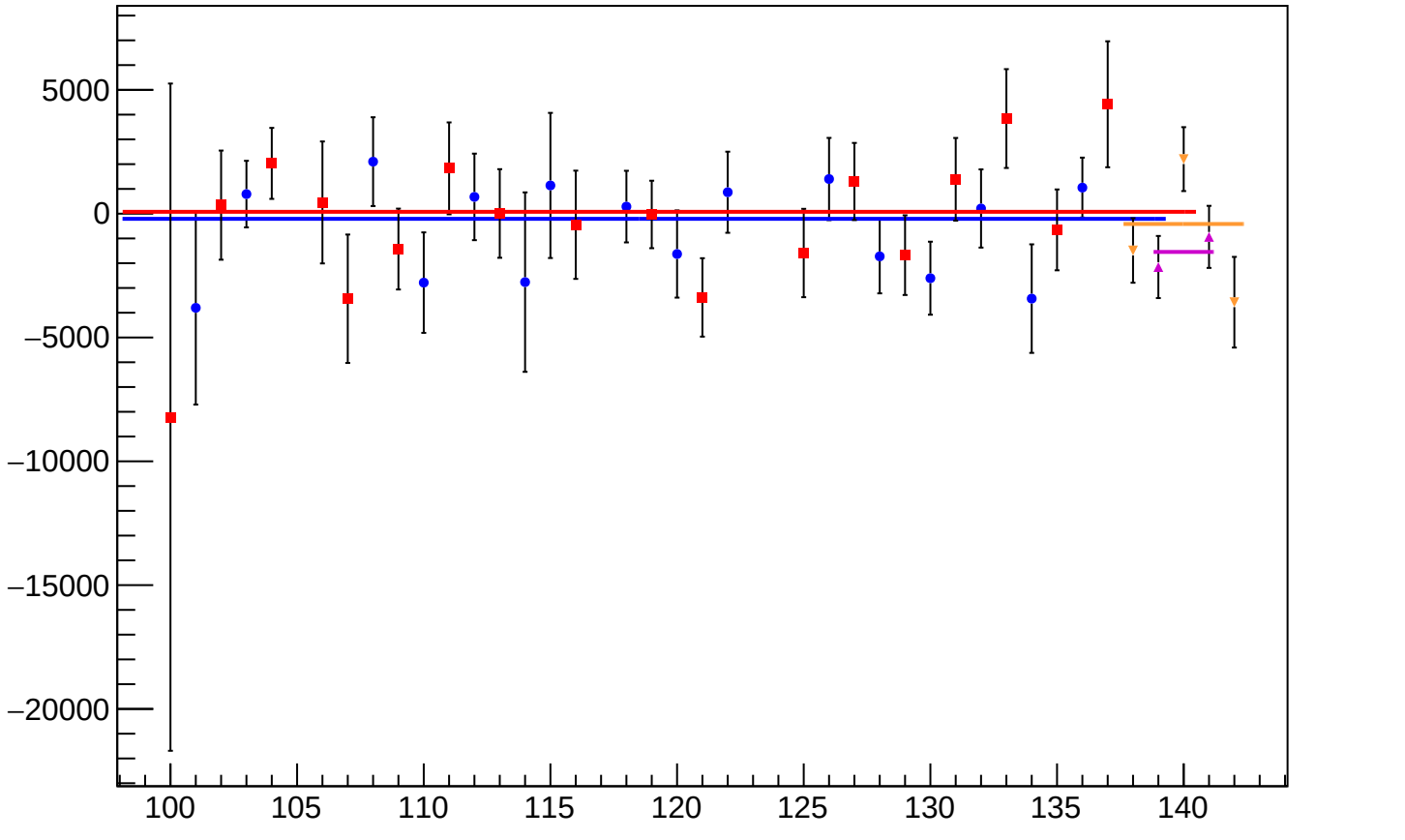
Left: 3394.258+/-1.242 χ^2/NDF: 54347.1/4

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 564.845+/-0.242 χ^2/NDF:12304136.8/17

Out: 520.089+/-0.222 χ^2/NDF:12072256.3/20

All: 540.612+/-0.164 χ^2/NDF: 24394971.1/38



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -416.068+/-819.745 χ^2/NDF:7.8/2

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1544.884+/-886.721 χ^2/NDF:0.5/1

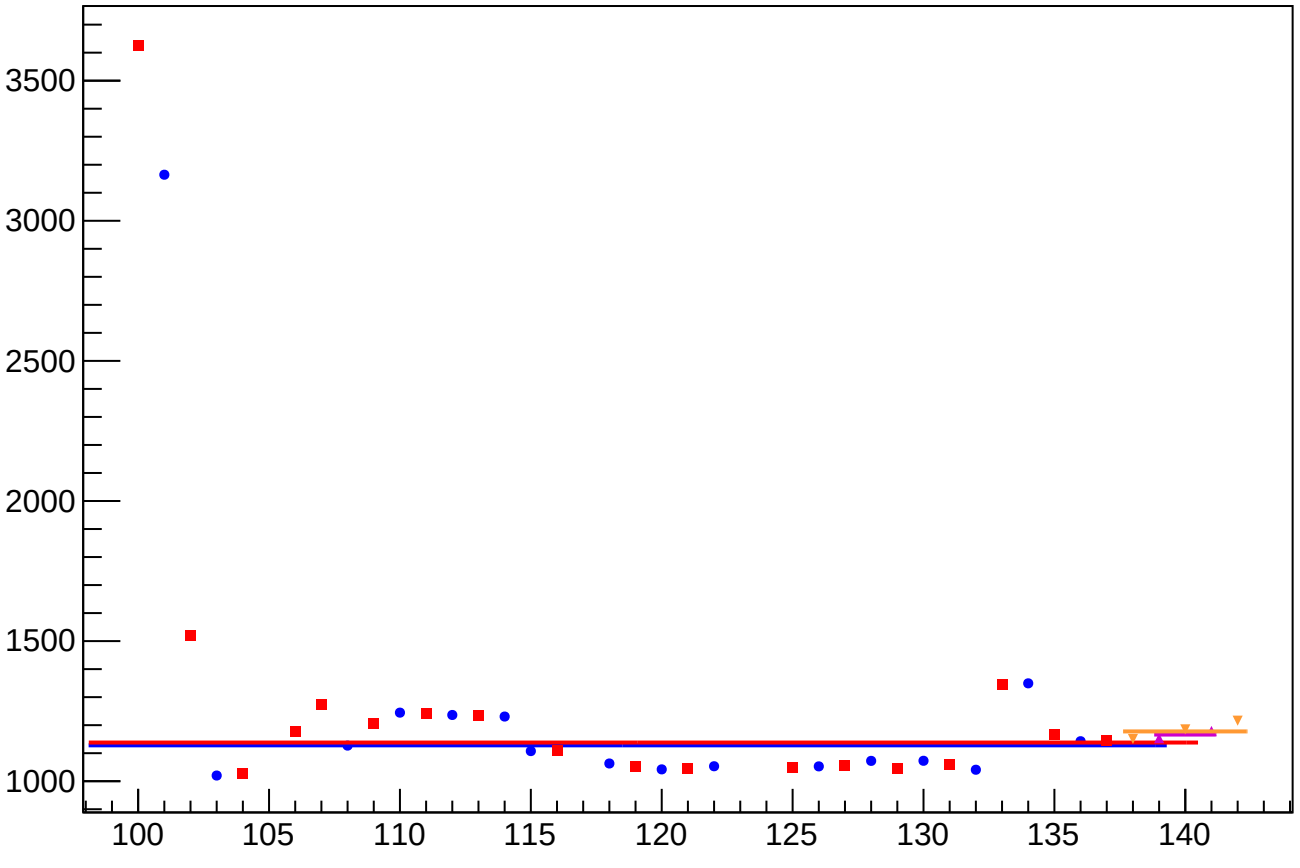
Left: -936.240+/-601.934 χ^2/NDF: 9.1/4

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -461.806+/-386.291 χ^2/NDF:17.1/17

Out: -30.661+/-381.319 χ^2/NDF:28.7/20

All: -243.441+/-271.374 χ^2/NDF: 46.4/38



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1177.671+/-0.580 χ^2/NDF:1795.3/2

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1166.473+/-0.627 χ^2/NDF:423.8/1

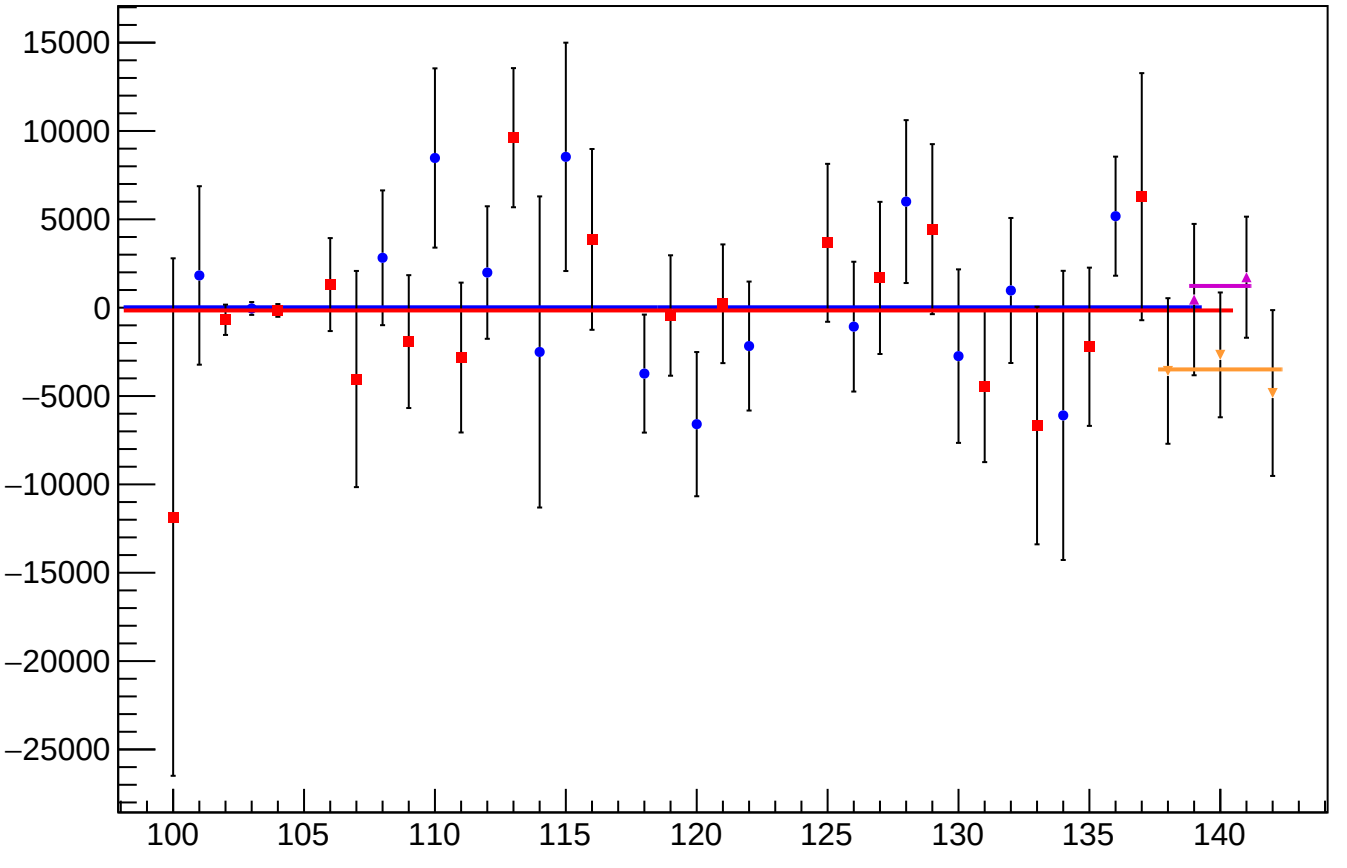
Left: 1172.511+/-0.426 χ^2/NDF: 2391.1/4

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1135.307+/-0.273 χ^2/NDF:624868.7/17

Out: 1146.576+/-0.270 χ^2/NDF:226091.3/20

All: 1141.017+/-0.192 χ^2/NDF: 851822.4/38



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -3493.360+/-2328.023 χ^2/NDF:0.1/2

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: -1458.065+/-1756.257 χ^2/NDF: 2.0/4

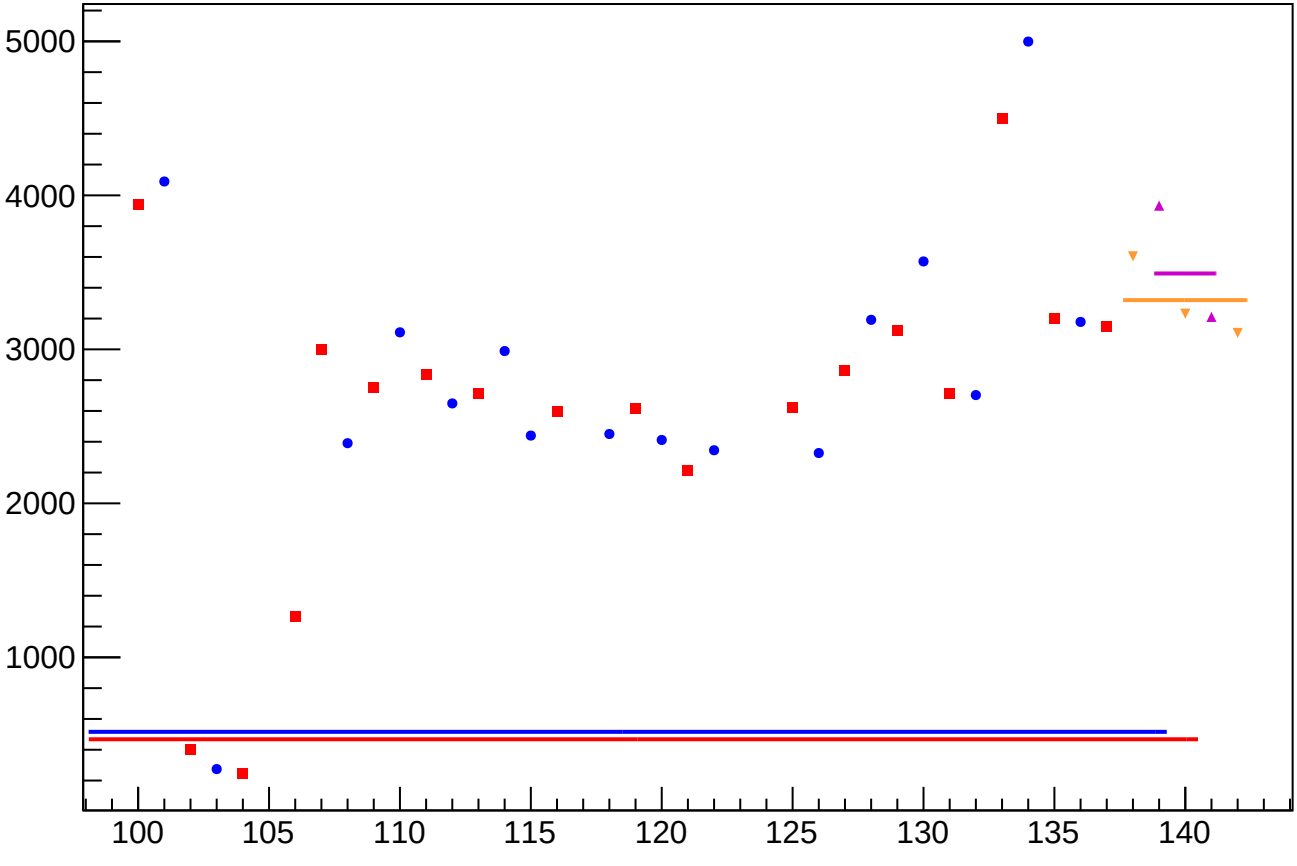
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 41.358+/-341.704 χ^2/NDF:15.1/17

Out: -217.118+/-314.459 χ^2/NDF:16.1/20

All: -98.594+/-231.389 χ^2/NDF: 31.6/38

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: 3319.712+/-1.646 χ^2/NDF:14905.1/2

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3492.720+/-1.892 χ^2/NDF:34682.7/1

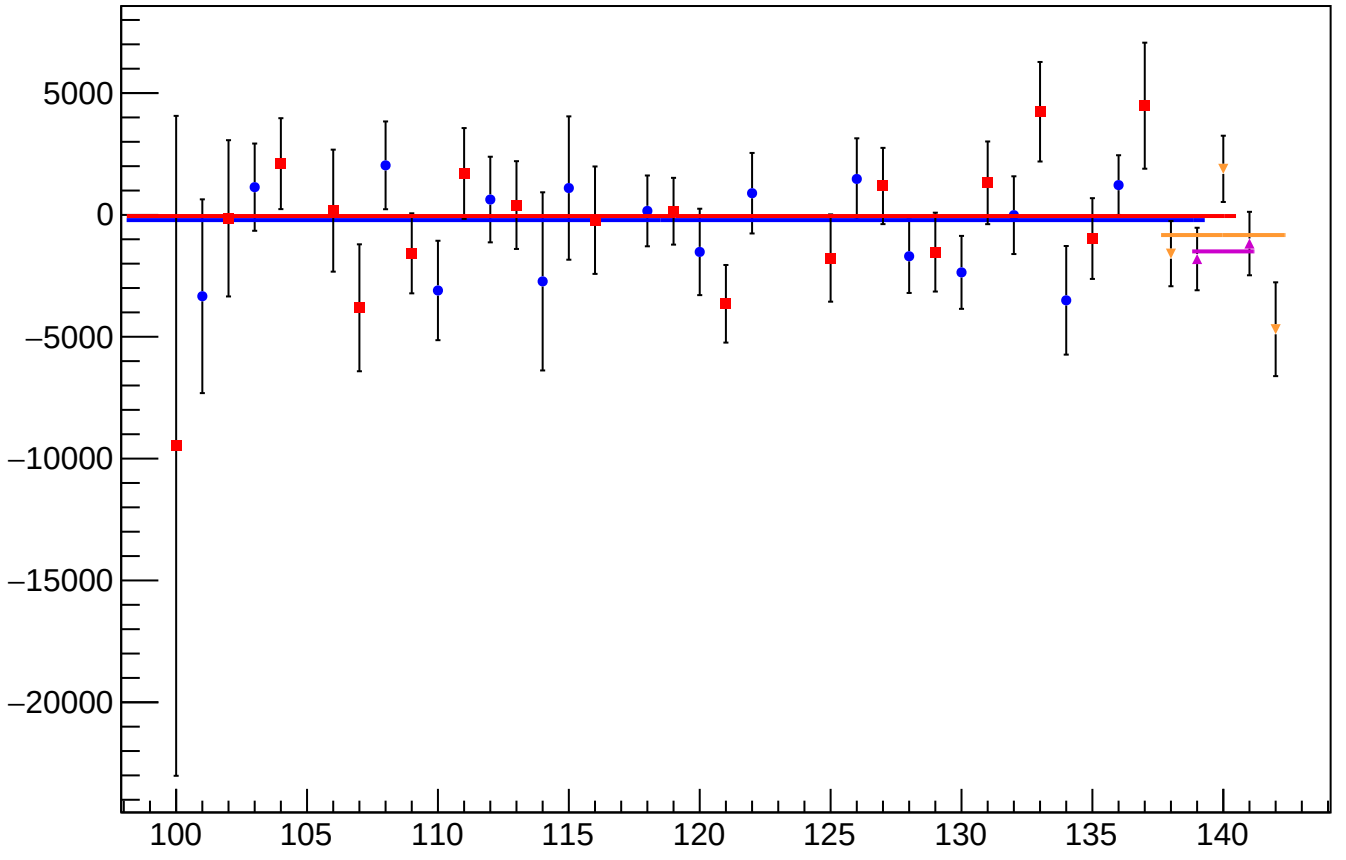
Left: 3394.258+/-1.242 χ^2/NDF: 54347.1/4

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 564.845+/-0.242 χ^2/NDF:12304136.8/17

Out: 520.089+/-0.222 χ^2/NDF:12072256.3/20

All: 540.612+/-0.164 χ^2/NDF: 24394971.1/38



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: -826.280+/-854.385 χ^2/NDF:8.3/2

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -1497.252+/-913.669 χ^2/NDF:0.1/1

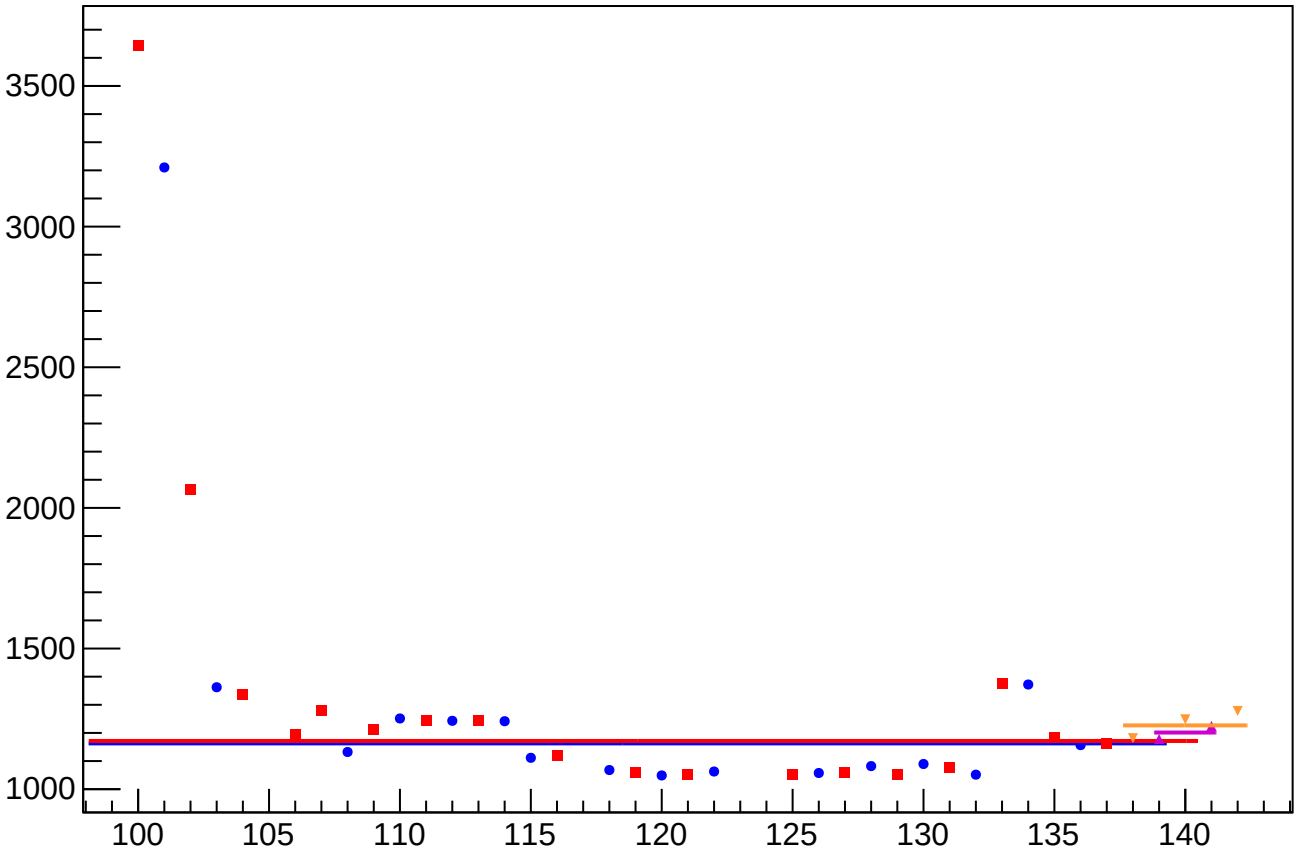
Left: -1139.293+/-624.048 χ^2/NDF: 8.8/4

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -457.228+/-398.386 χ^2/NDF:16.0/17

Out: -213.446+/-396.222 χ^2/NDF:30.7/20

All: -334.673+/-280.933 χ^2/NDF: 46.9/38



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1226.798+/-0.604 χ^2/NDF:4223.3/2

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1201.450+/-0.646 χ^2/NDF:1282.0/1

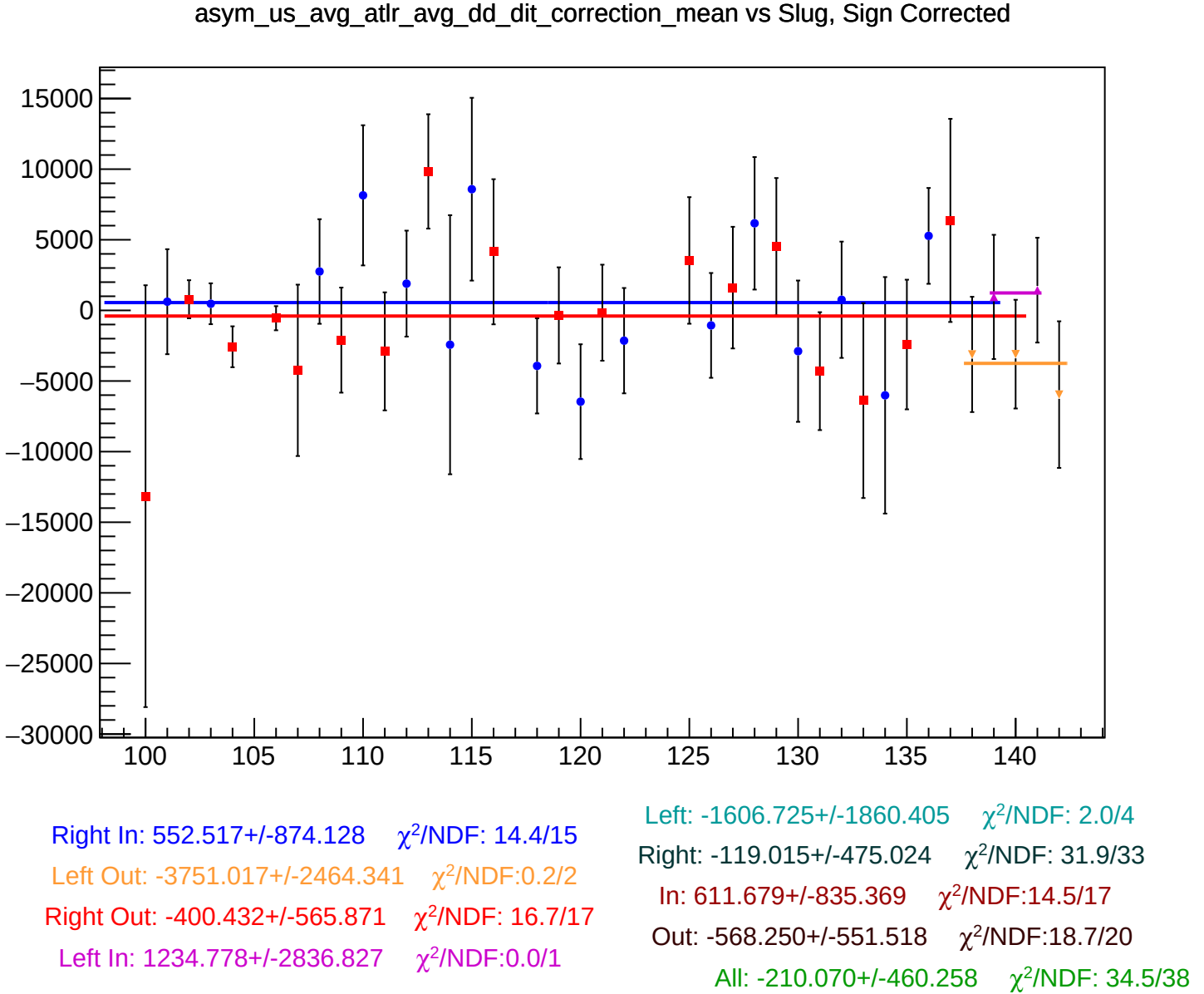
Left: 1214.973+/-0.441 χ^2/NDF: 6326.5/4

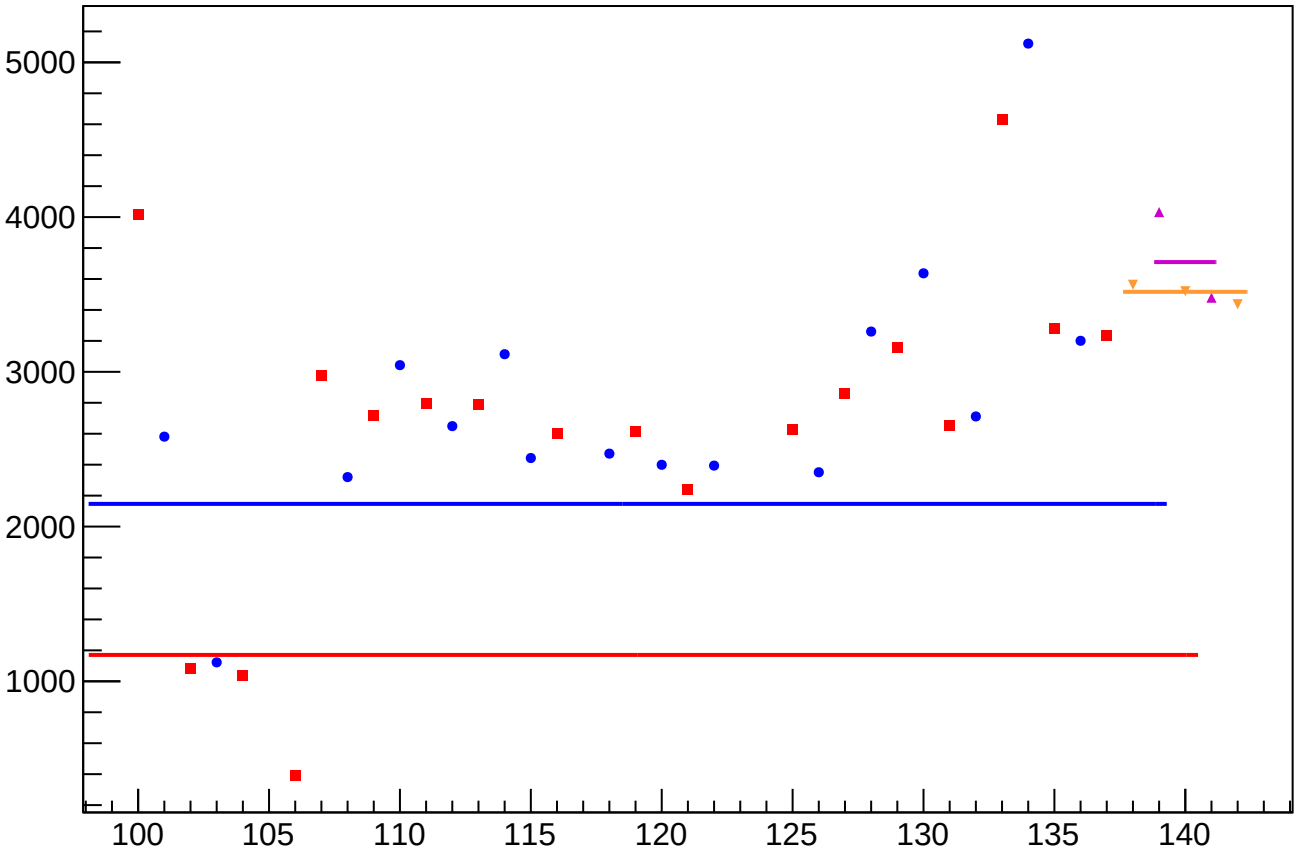
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1170.190+/-0.282 χ^2/NDF:639526.3/17

Out: 1183.321+/-0.280 χ^2/NDF:342460.6/20

All: 1176.794+/-0.199 χ^2/NDF: 983079.7/38


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
105
110
115
120
125
130
135
140
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -3751.017+/-2464.341 χ²/NDF:0.2/2
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: 1234.778+/-2836.827 χ²/NDF:0.0/1
Left: -1606.725+/-1860.405 χ²/NDF: 2.0/4
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: 611.679+/-835.369 χ²/NDF:14.5/17
Out: -568.250+/-551.518 χ²/NDF:18.7/20
All: -210.070+/-460.258 χ²/NDF: 34.5/38



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3517.098+/-1.743 χ^2/NDF:731.7/2

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3709.382+/-2.006 χ^2/NDF:18479.1/1

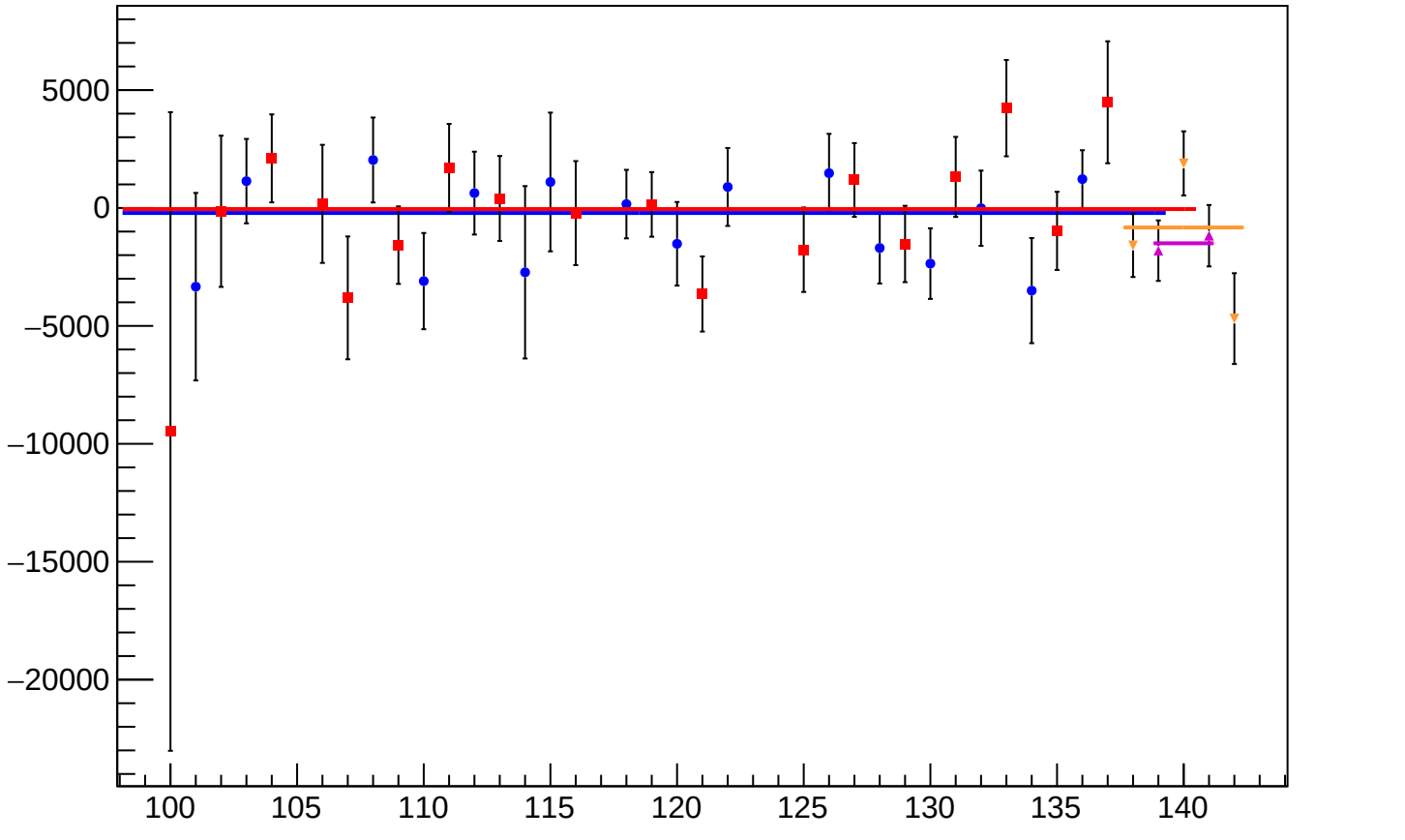
Left: 3599.796+/-1.316 χ^2/NDF: 24447.6/4

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2282.130+/-0.591 χ^2/NDF:2547520.5/17

Out: 1288.102+/-0.390 χ^2/NDF:7540725.5/20

All: 1589.850+/-0.325 χ^2/NDF: 12060462.0/3



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: -826.290+/-854.385 χ^2/NDF:8.3/2

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -1497.241+/-913.669 χ^2/NDF:0.1/1

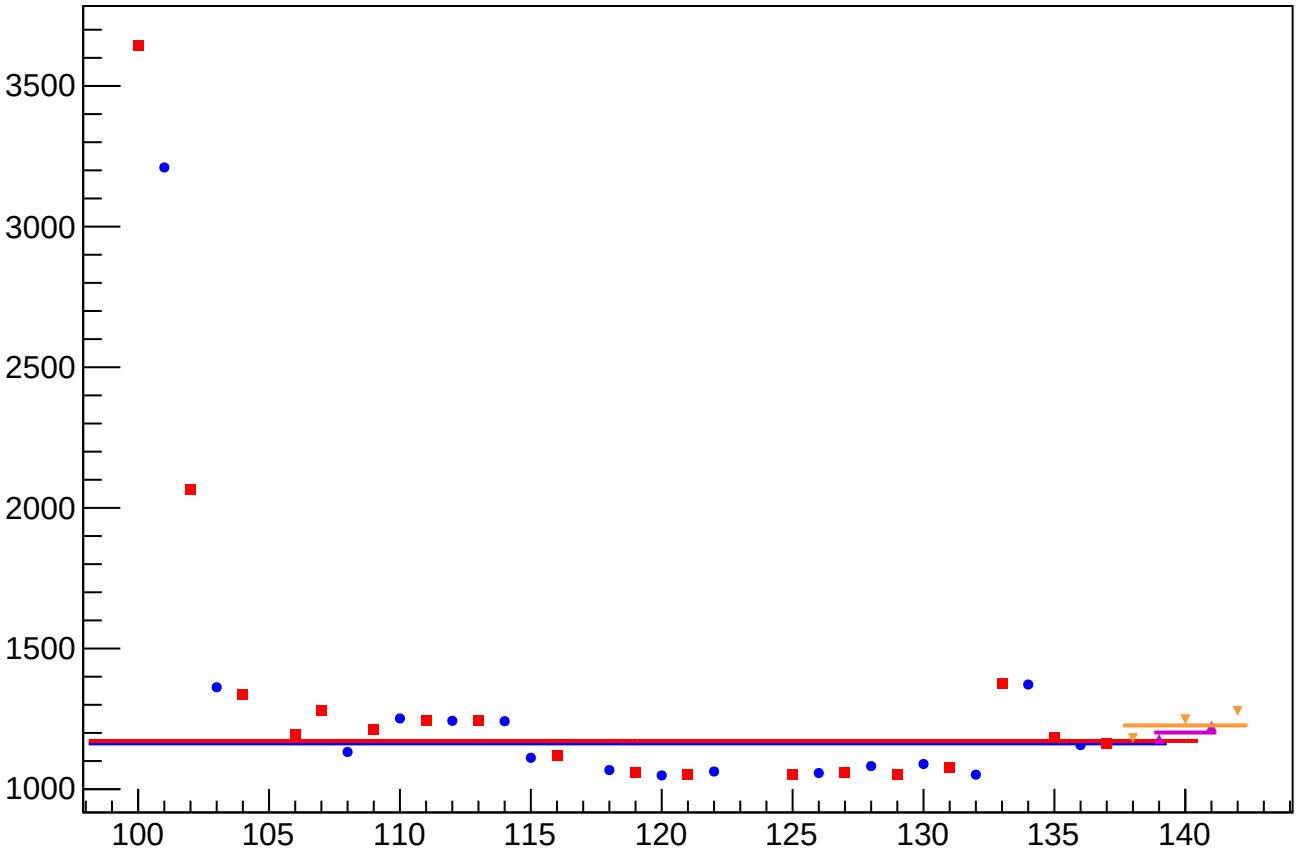
Left: -1139.293+/-624.048 χ^2/NDF: 8.8/4

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -457.227+/-398.386 χ^2/NDF:16.0/17

Out: -213.451+/-396.222 χ^2/NDF:30.7/20

All: -334.675+/-280.933 χ^2/NDF: 46.9/38



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1226.799+/-0.604 χ^2/NDF:4223.4/2

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1201.451+/-0.646 χ^2/NDF:1282.0/1

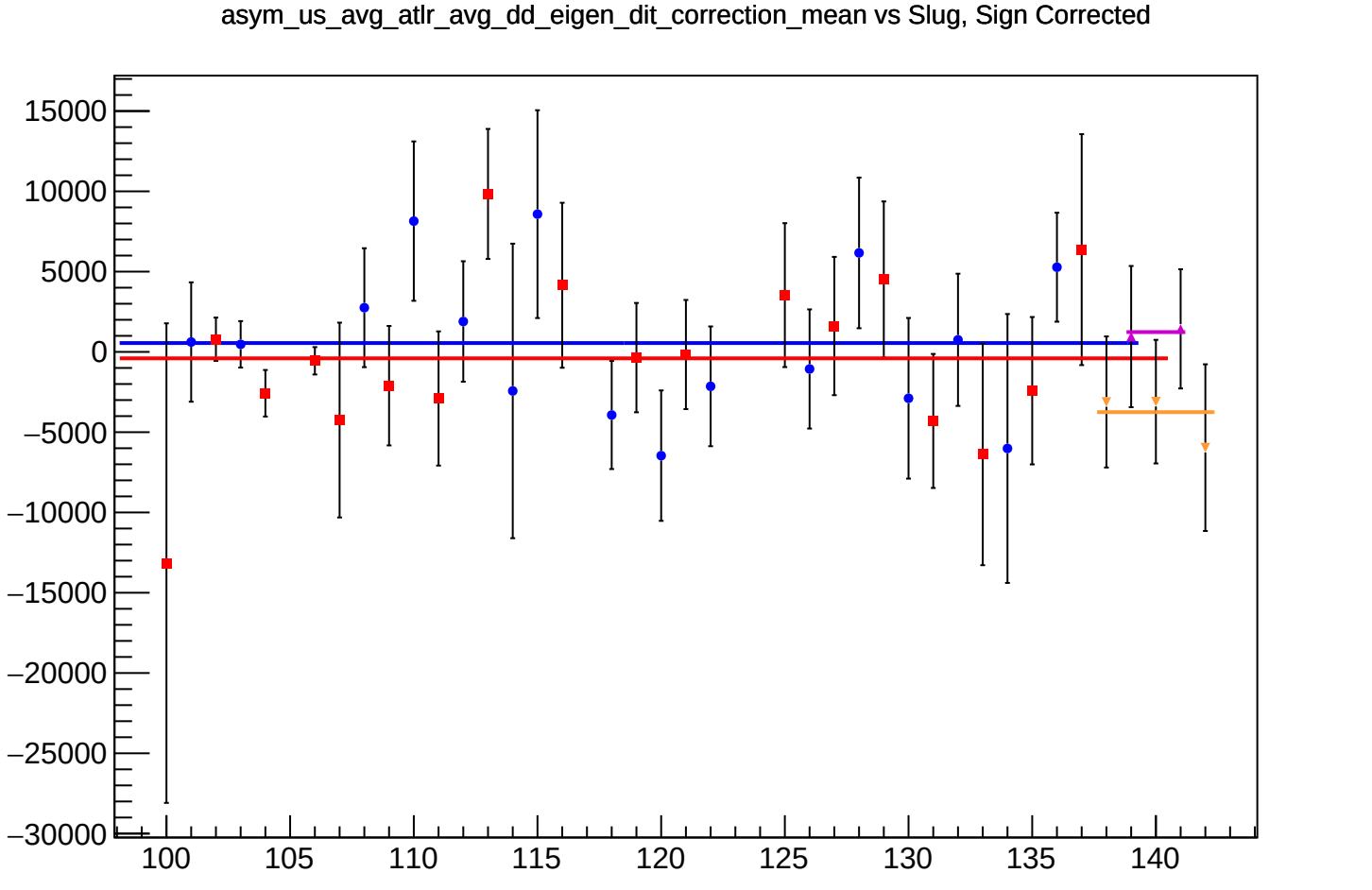
Left: 1214.974+/-0.441 χ^2/NDF: 6326.5/4

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1170.190+/-0.282 χ^2/NDF:639526.5/17

Out: 1183.321+/-0.280 χ^2/NDF:342460.4/20

All: 1176.794+/-0.199 χ^2/NDF: 983079.7/38



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -3751.031+/-2464.344 χ^2/NDF:0.2/2

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 1234.788+/-2836.830 χ^2/NDF:0.0/1

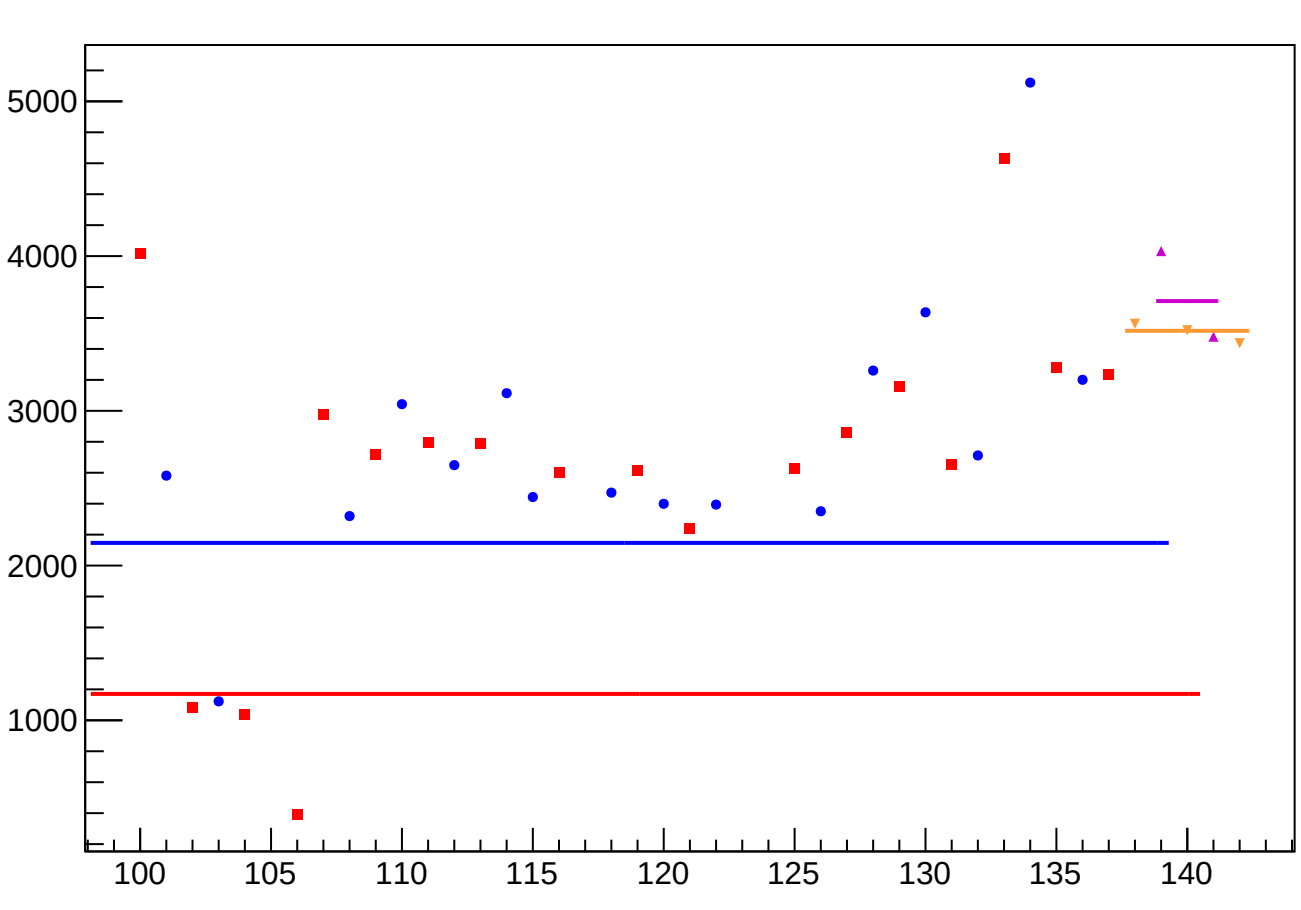
Left: -1606.728+/-1860.408 χ^2/NDF: 2.0/4

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 611.673+/-835.368 χ^2/NDF:14.5/17

Out: -568.247+/-551.511 χ^2/NDF:18.7/20

All: -210.075+/-460.254 χ^2/NDF: 34.5/38



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3517.103+/-1.743 χ^2/NDF:731.7/2

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3709.386+/-2.006 χ^2/NDF:18479.7/1

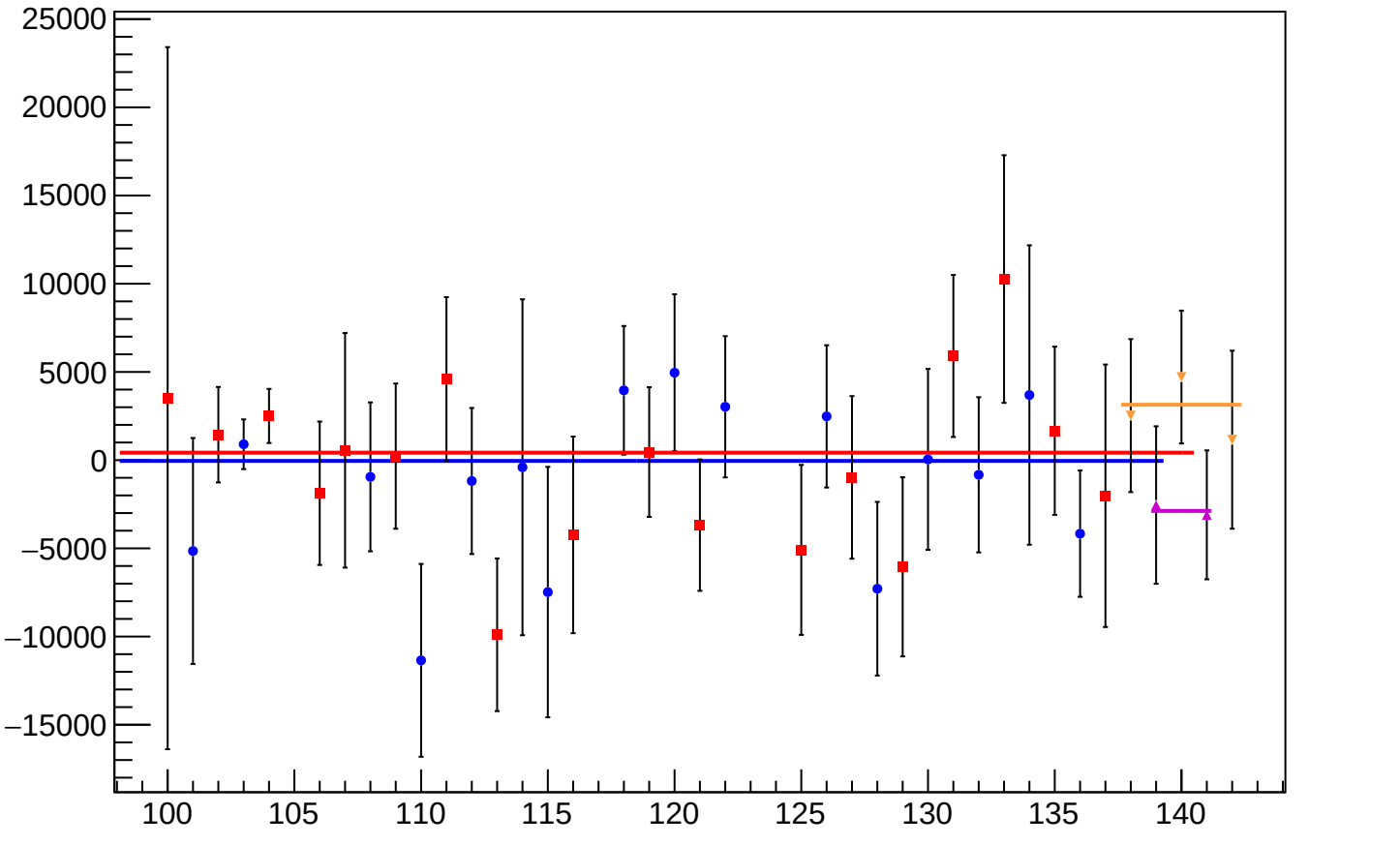
Left: 3599.800+/-1.316 χ^2/NDF: 24448.2/4

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2282.127+/-0.591 χ^2/NDF:2547520.9/17

Out: 1288.077+/-0.390 χ^2/NDF:7540890.8/20

All: 1589.827+/-0.325 χ^2/NDF: 12060730.6/3



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3141.316+/-2476.723 χ^2/NDF:0.3/2

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -2878.448+/-2827.826 χ^2/NDF:0.0/1

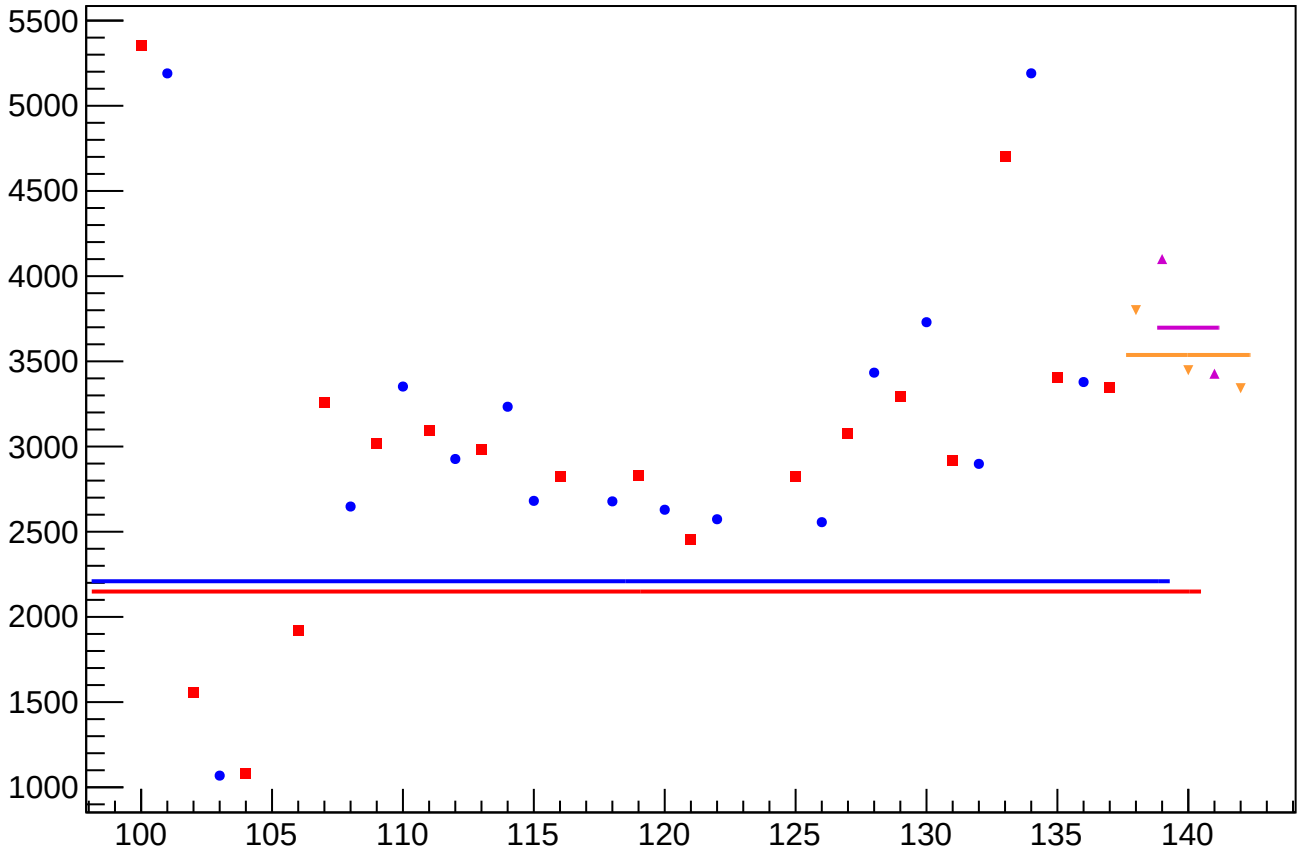
Left: 528.138+/-1863.148 χ^2/NDF: 2.9/4

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -316.480+/-875.497 χ^2/NDF:14.7/17

Out: 738.469+/-843.171 χ^2/NDF:18.8/20

All: 230.830+/-607.319 χ^2/NDF: 34.2/38



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3537.441+/-1.751 χ^2/NDF:11482.5/2

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3697.570+/-2.000 χ^2/NDF:27221.7/1

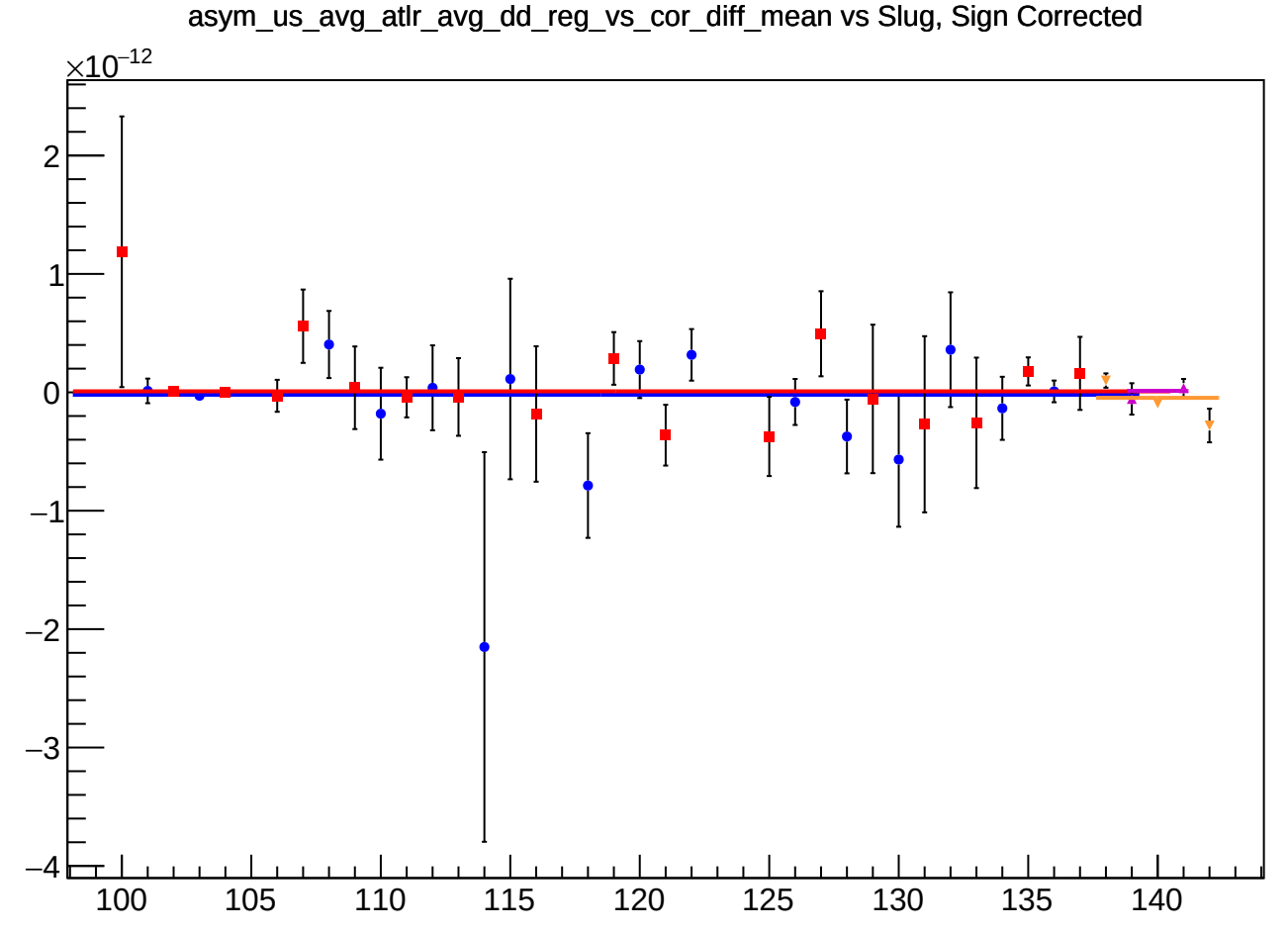
Left: 3606.953+/-1.317 χ^2/NDF: 42333.4/4

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2351.999+/-0.619 χ^2/NDF:3364937.4/17

Out: 2309.192+/-0.595 χ^2/NDF:2837182.8/20

All: 2329.745+/-0.429 χ^2/NDF: 6204605.7/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/2

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

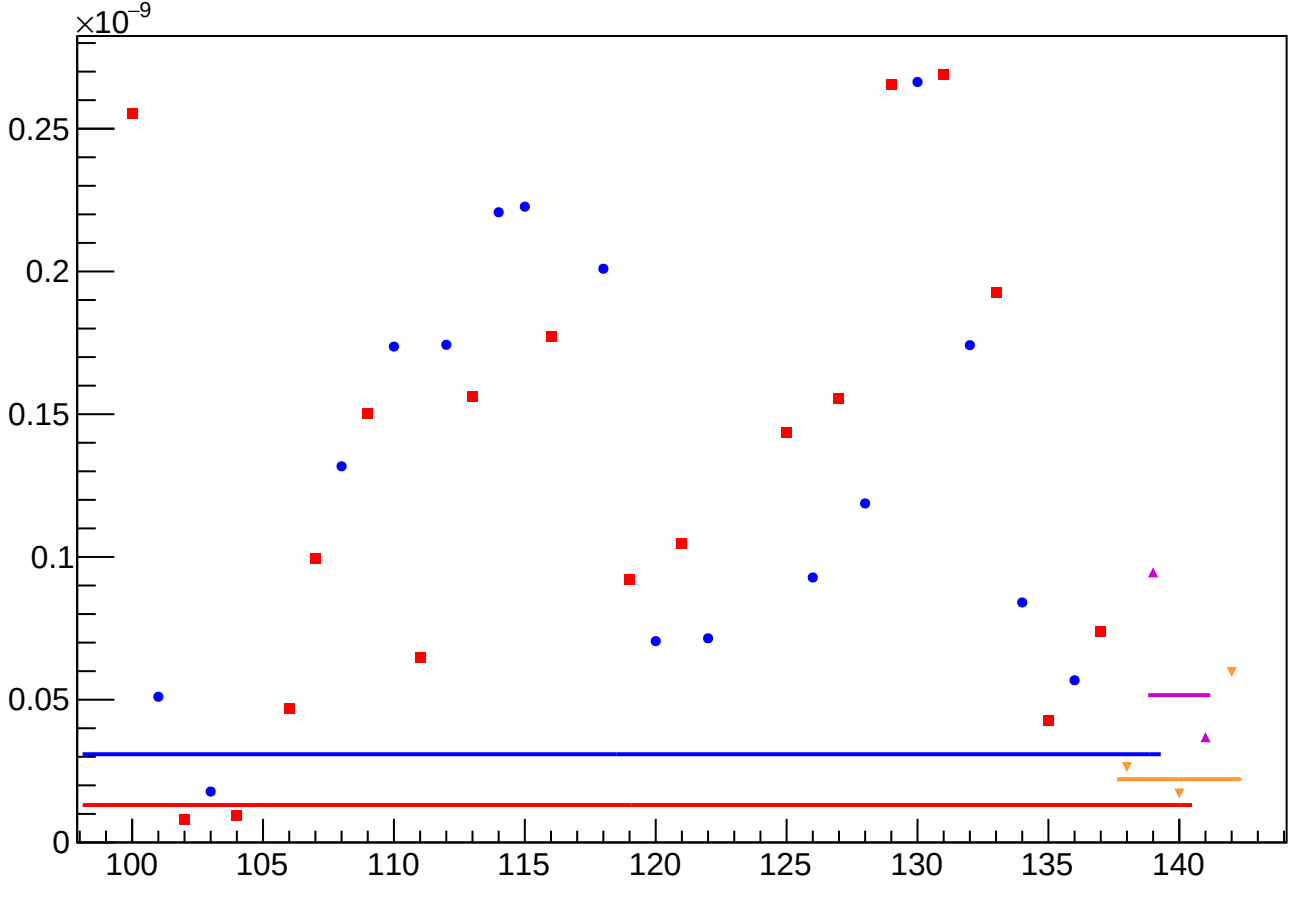
Left: -0.000+/-0.000 χ^2/NDF: 10.9/4

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:26.2/20

All: -0.000+/-0.000 χ^2/NDF: 40.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:180092.6/2

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:282744.3/1

Left: 0.000+/-0.000 χ^2/NDF: 774480.0/4

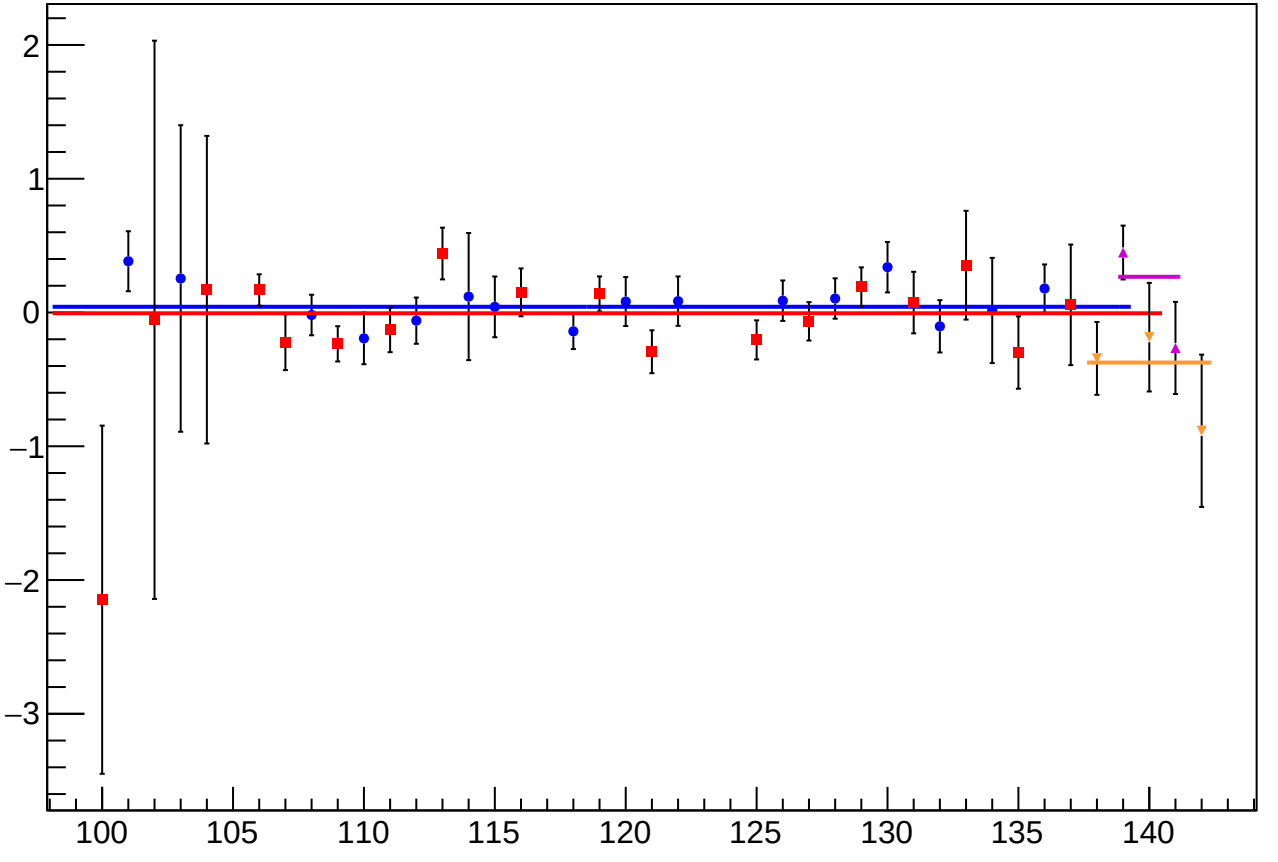
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3448441.0/17

Out: 0.000+/-0.000 χ^2/NDF:3965284.8/20

All: 0.000+/-0.000 χ^2/NDF: 8363051.0/38

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: -0.374+/-0.210 χ^2/NDF:1.0/2

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: 0.006+/-0.134 χ^2/NDF: 9.8/4

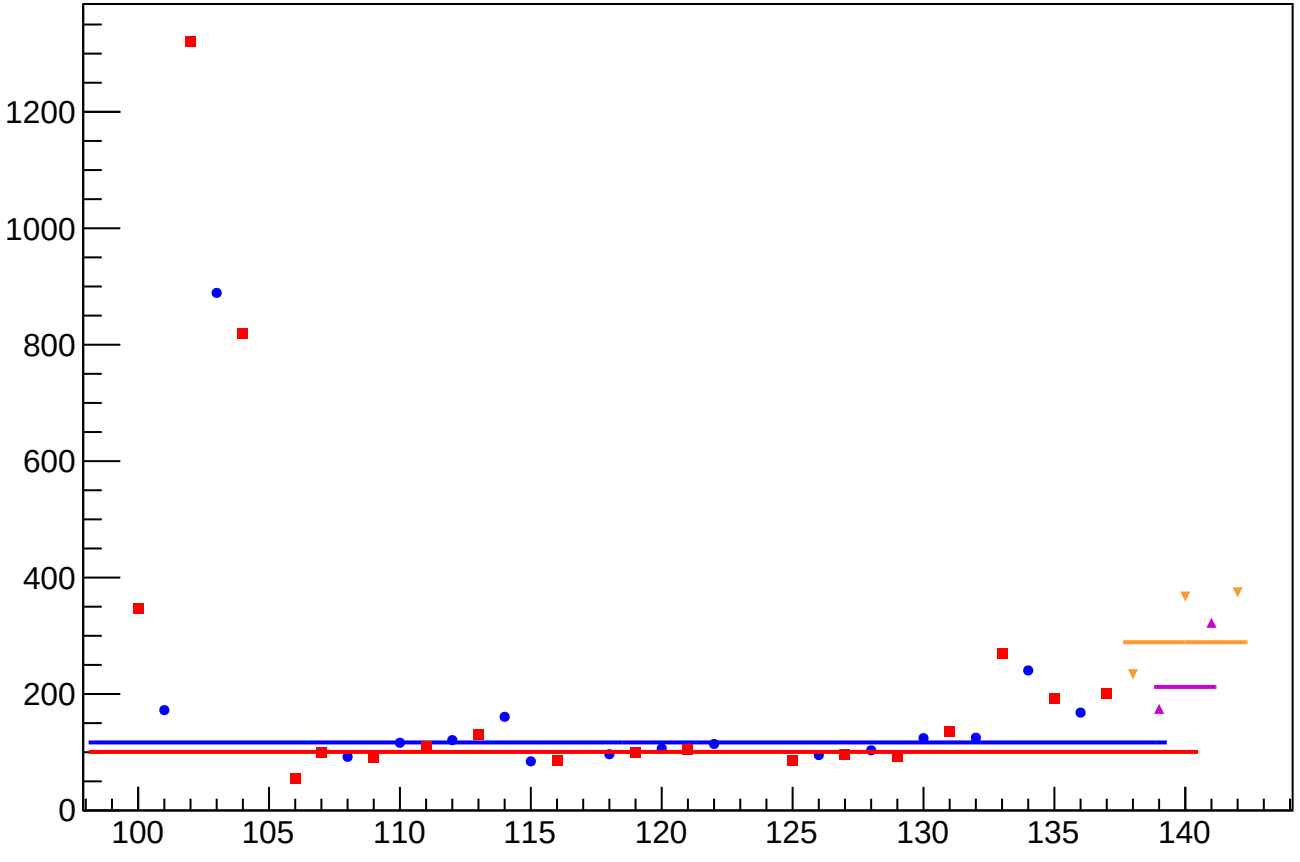
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.016+/-0.031 χ^2/NDF: 46.6/38

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.935+/-0.149 χ^2/NDF:201602.6/2

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: 243.358+/-0.095 χ^2/NDF: 634447.9/4

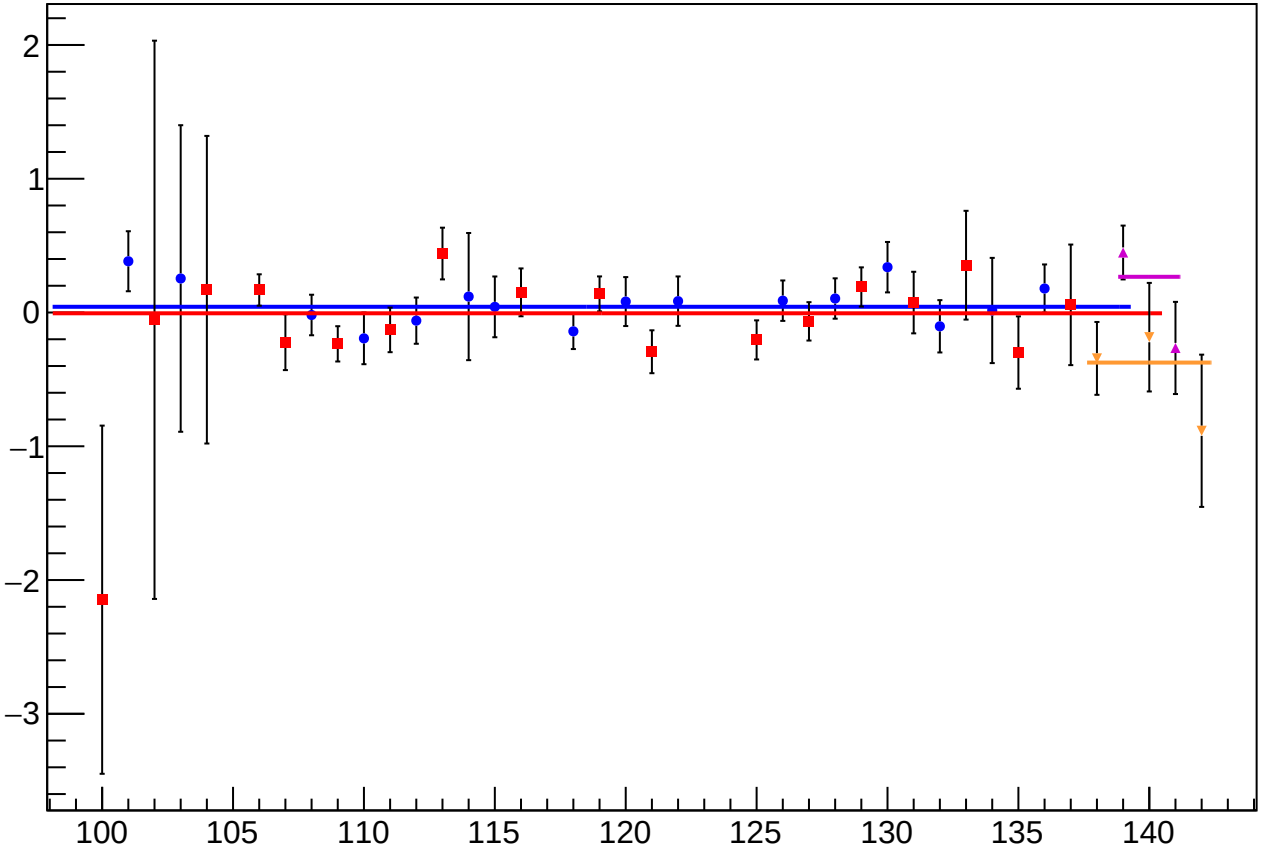
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 123.459+/-0.032 χ^2/NDF:2455411.4/17

Out: 108.243+/-0.030 χ^2/NDF:4407216.3/20

All: 115.282+/-0.022 χ^2/NDF: 6981318.0/38

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: -0.374+/-0.210 χ^2/NDF:1.0/2

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: 0.006+/-0.134 χ^2/NDF: 9.8/4

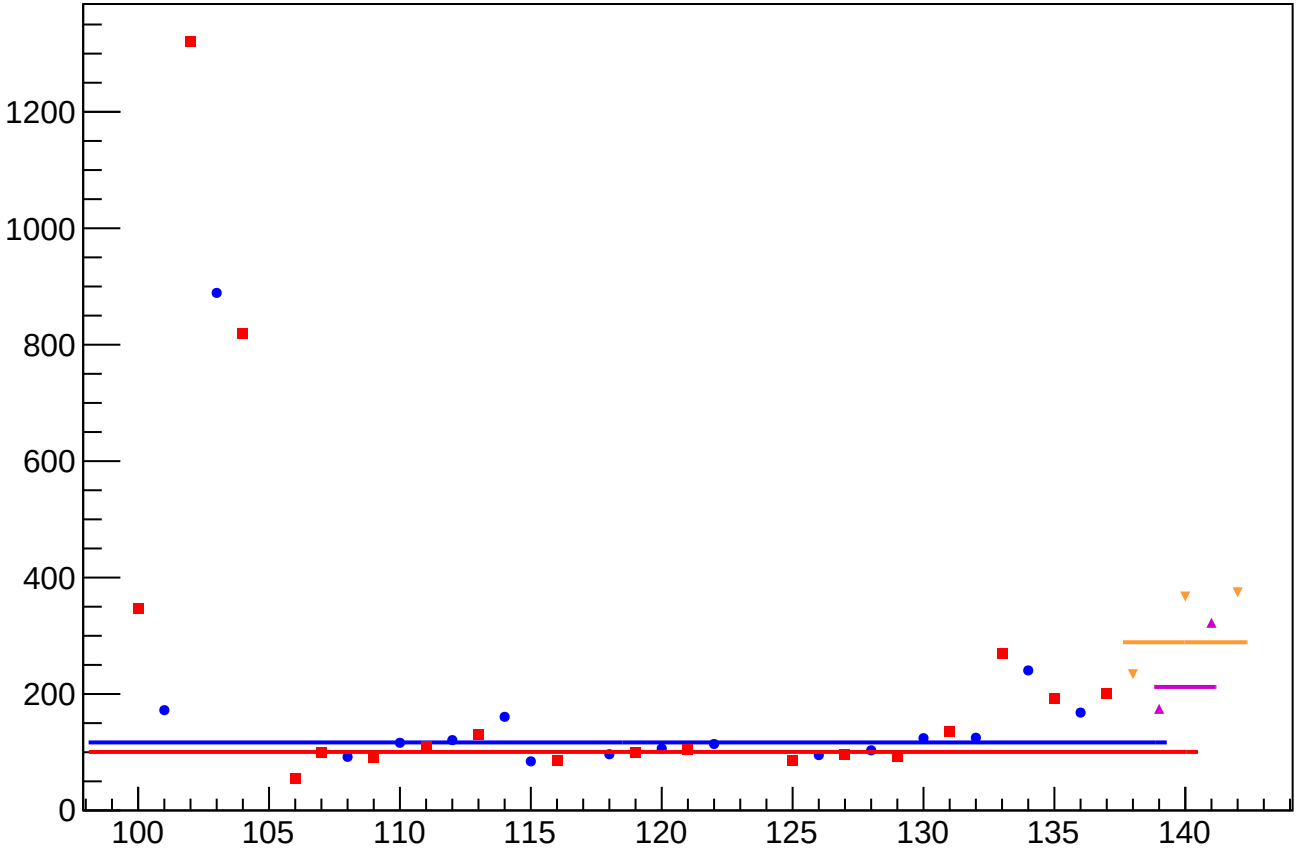
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.016+/-0.031 χ^2/NDF: 46.6/38

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: 288.935+/-0.149 χ^2/NDF:201602.6/2

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 212.187+/-0.123 χ^2/NDF:274447.8/1

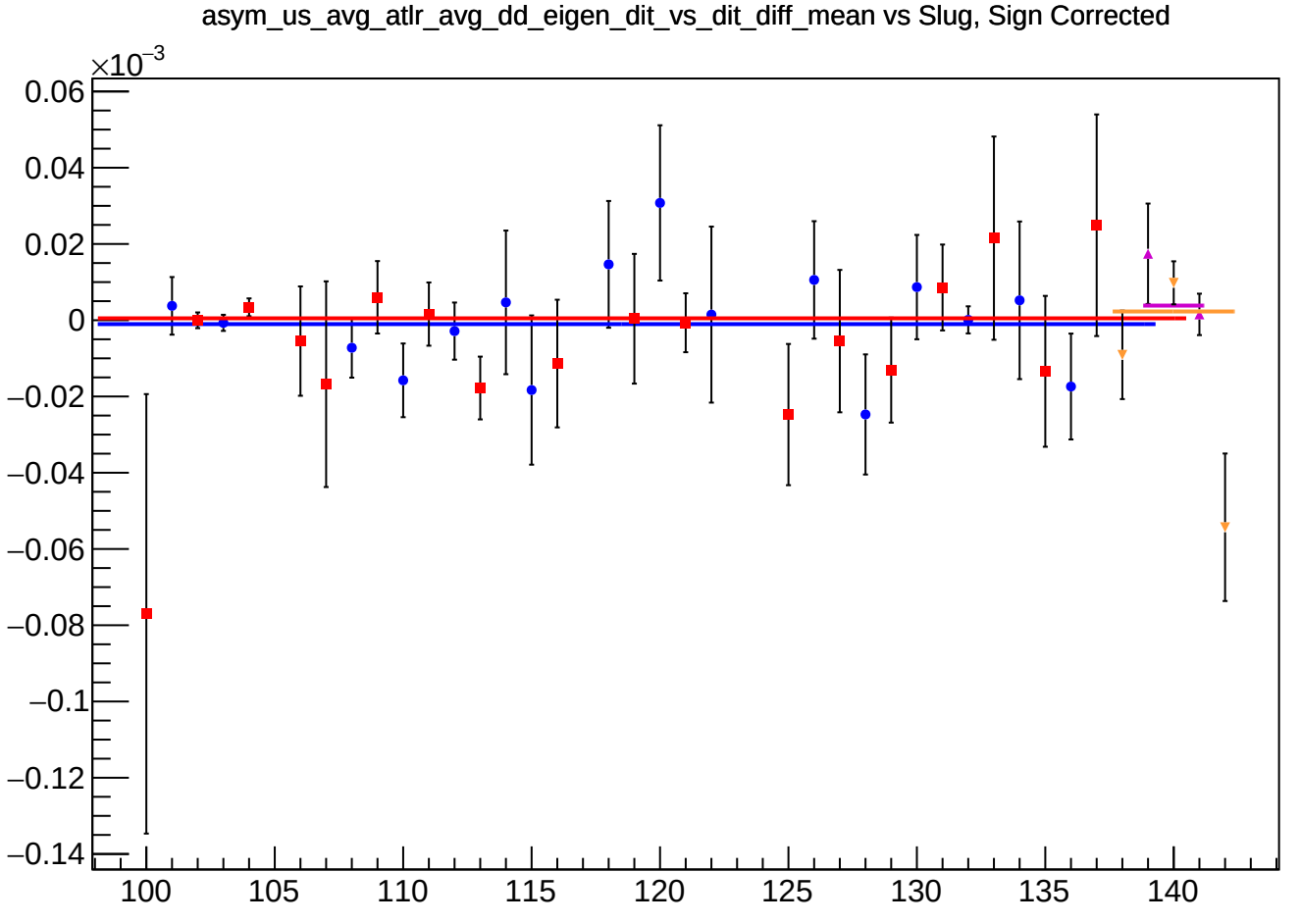
Left: 243.358+/-0.095 χ^2/NDF: 634447.9/4

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 123.459+/-0.032 χ^2/NDF:2455411.4/17

Out: 108.243+/-0.030 χ^2/NDF:4407216.3/20

All: 115.282+/-0.022 χ^2/NDF: 6981318.0/38



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

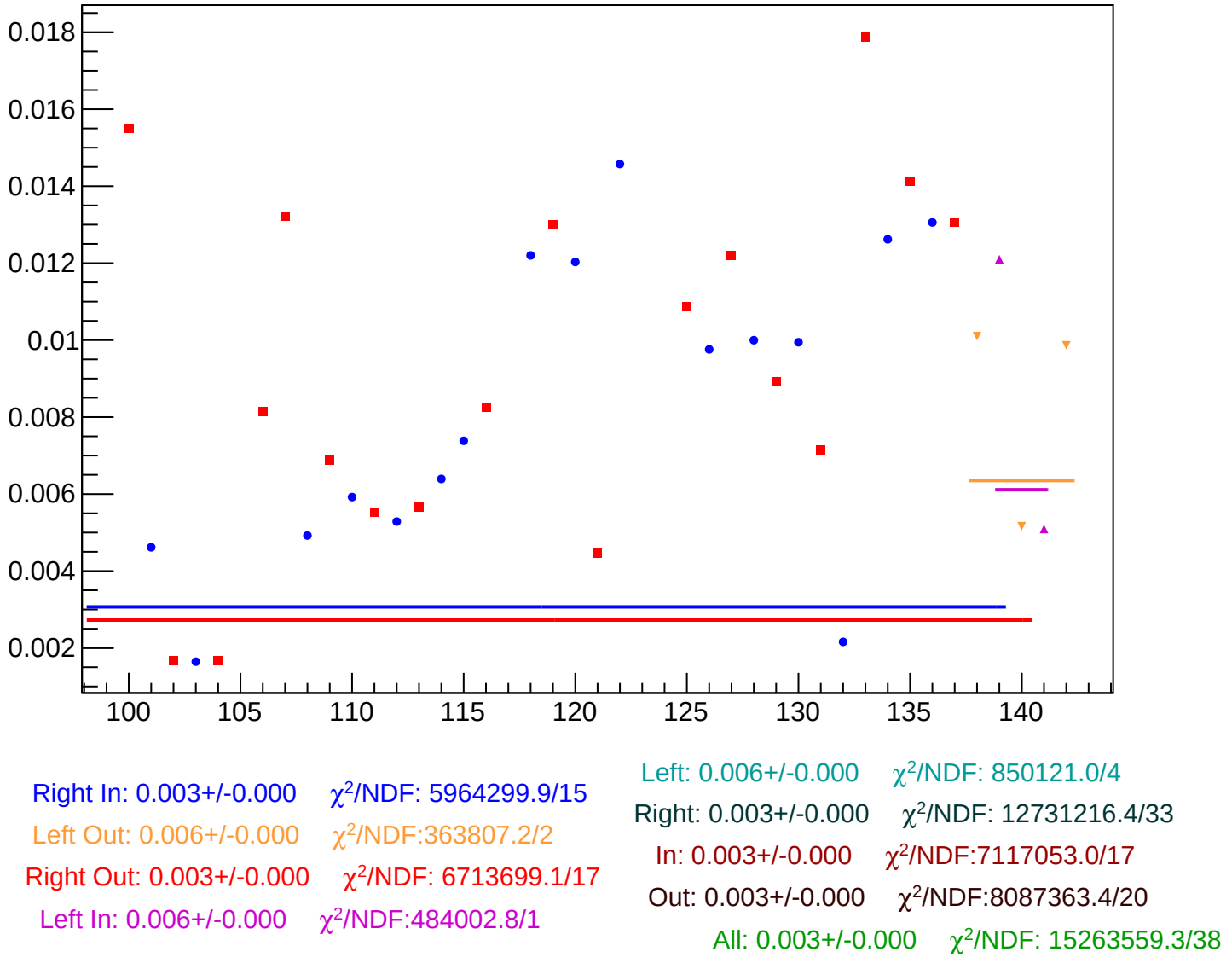
Left: 0.000+/-0.000 χ^2/NDF: 12.6/4

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

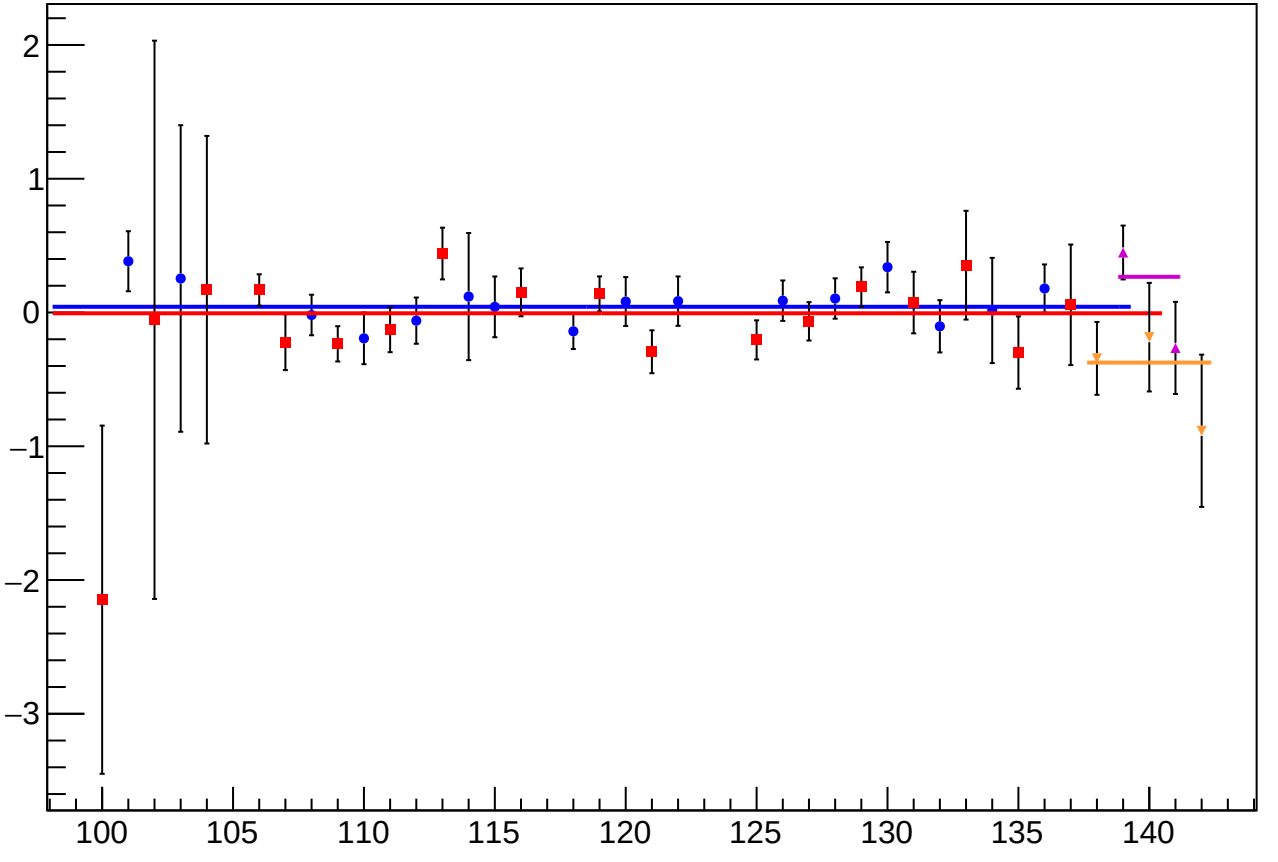
In: -0.000+/-0.000 χ^2/NDF:14.7/17

Out: 0.000+/-0.000 χ^2/NDF:26.5/20

All: 0.000+/-0.000 χ^2/NDF: 41.5/38


asym_us_avg_atlr_avg_dd_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: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.006+/-0.000 χ²/NDF:363807.2/2
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.006+/-0.000 χ²/NDF:484002.8/1
Left: 0.006+/-0.000 χ²/NDF: 850121.0/4
Right: 0.003+/-0.000 χ²/NDF: 12731216.4/33
In: 0.003+/-0.000 χ²/NDF:7117053.0/17
Out: 0.003+/-0.000 χ²/NDF:8087363.4/20
All: 0.003+/-0.000 χ²/NDF: 15263559.3/38

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: -0.374+/-0.210 χ^2/NDF:1.0/2

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: 0.006+/-0.134 χ^2/NDF: 9.8/4

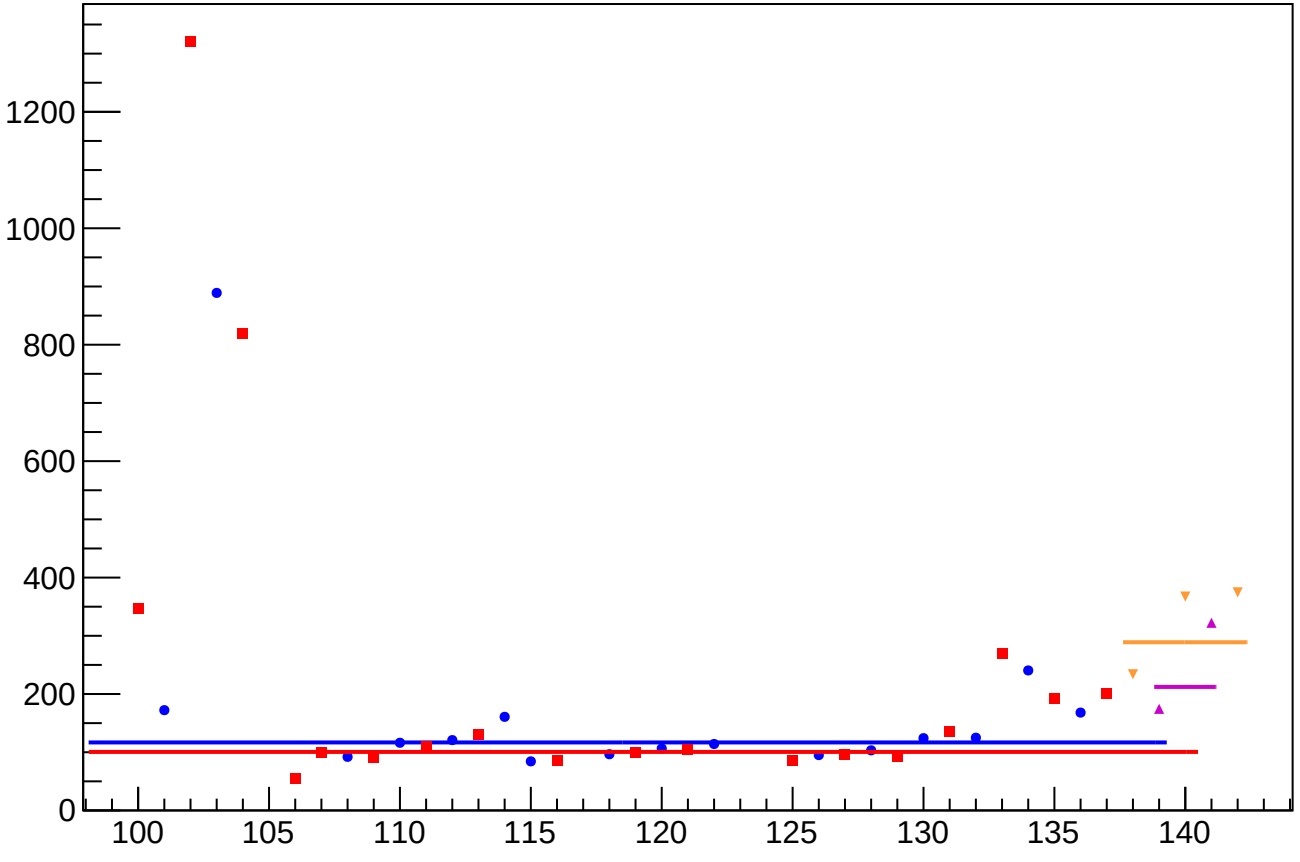
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.016+/-0.031 χ^2/NDF: 46.6/38

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: 288.938+/-0.149 χ^2/NDF:201598.0/2

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: 243.362+/-0.095 χ^2/NDF: 634414.7/4

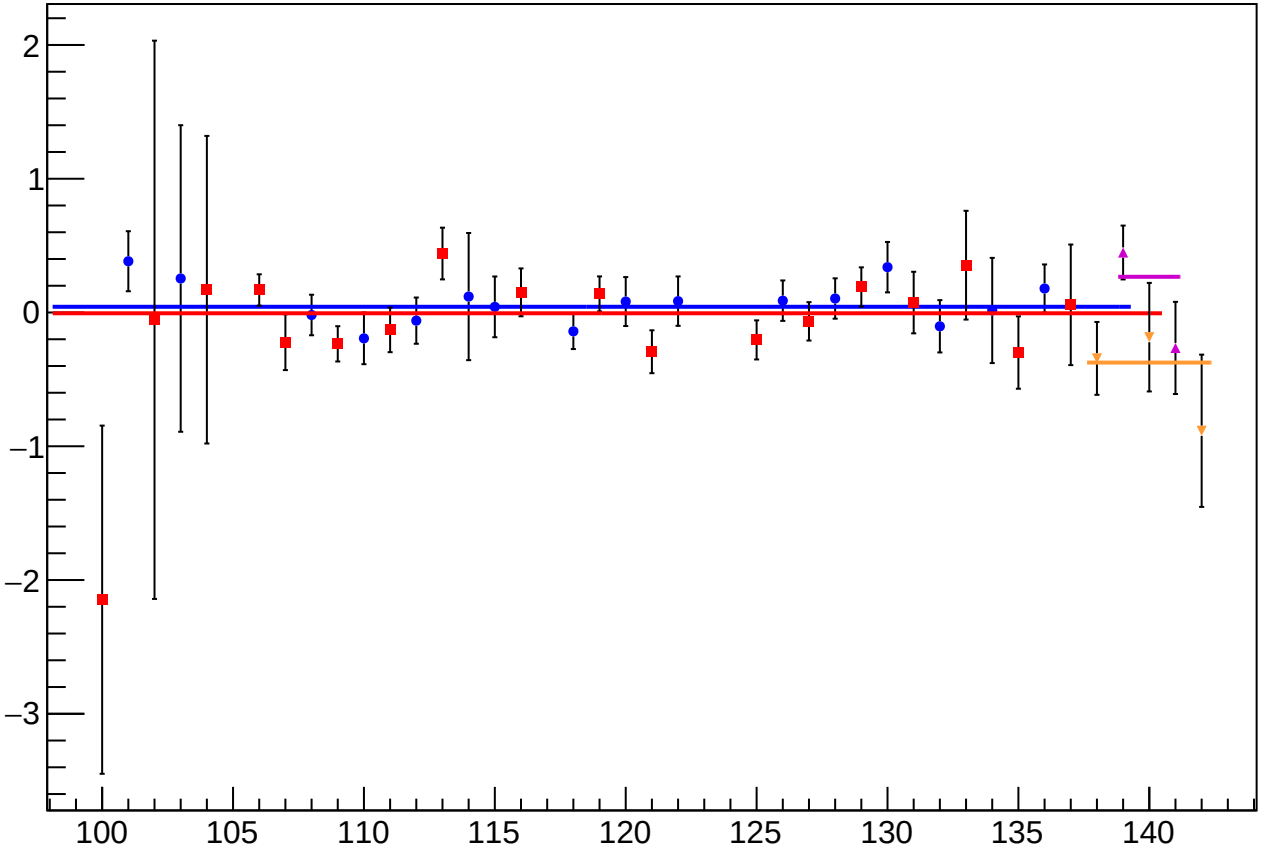
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 123.459+/-0.032 χ^2/NDF:2455432.1/17

Out: 108.242+/-0.030 χ^2/NDF:4407329.9/20

All: 115.282+/-0.022 χ^2/NDF: 6981468.8/38

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: -0.374+/-0.210 χ^2/NDF:1.0/2

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: 0.006+/-0.134 χ^2/NDF: 9.8/4

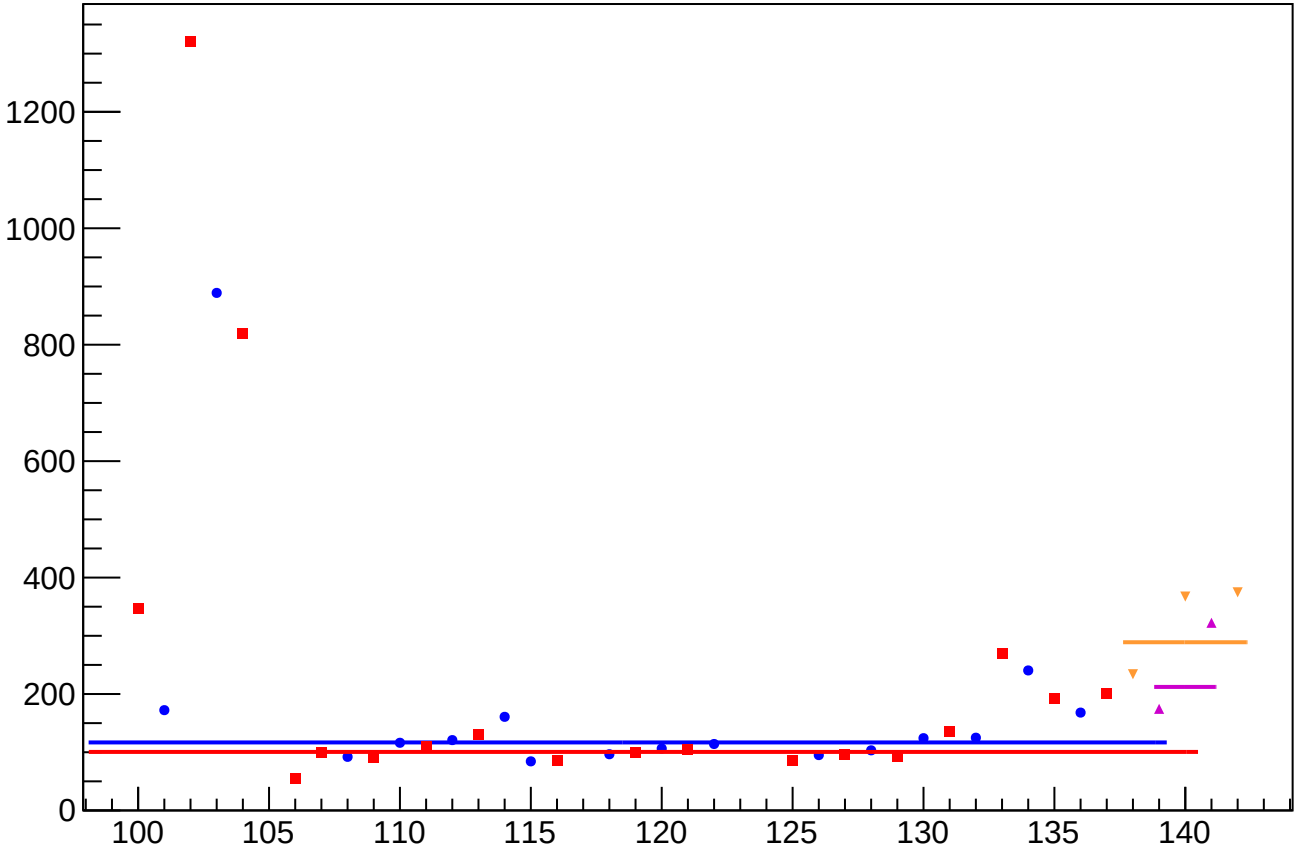
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.058+/-0.046 χ^2/NDF:15.0/17

Out: -0.021+/-0.042 χ^2/NDF:30.0/20

All: 0.016+/-0.031 χ^2/NDF: 46.6/38

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: 288.938+/-0.149 χ^2/NDF:201598.0/2

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 212.192+/-0.123 χ^2/NDF:274430.1/1

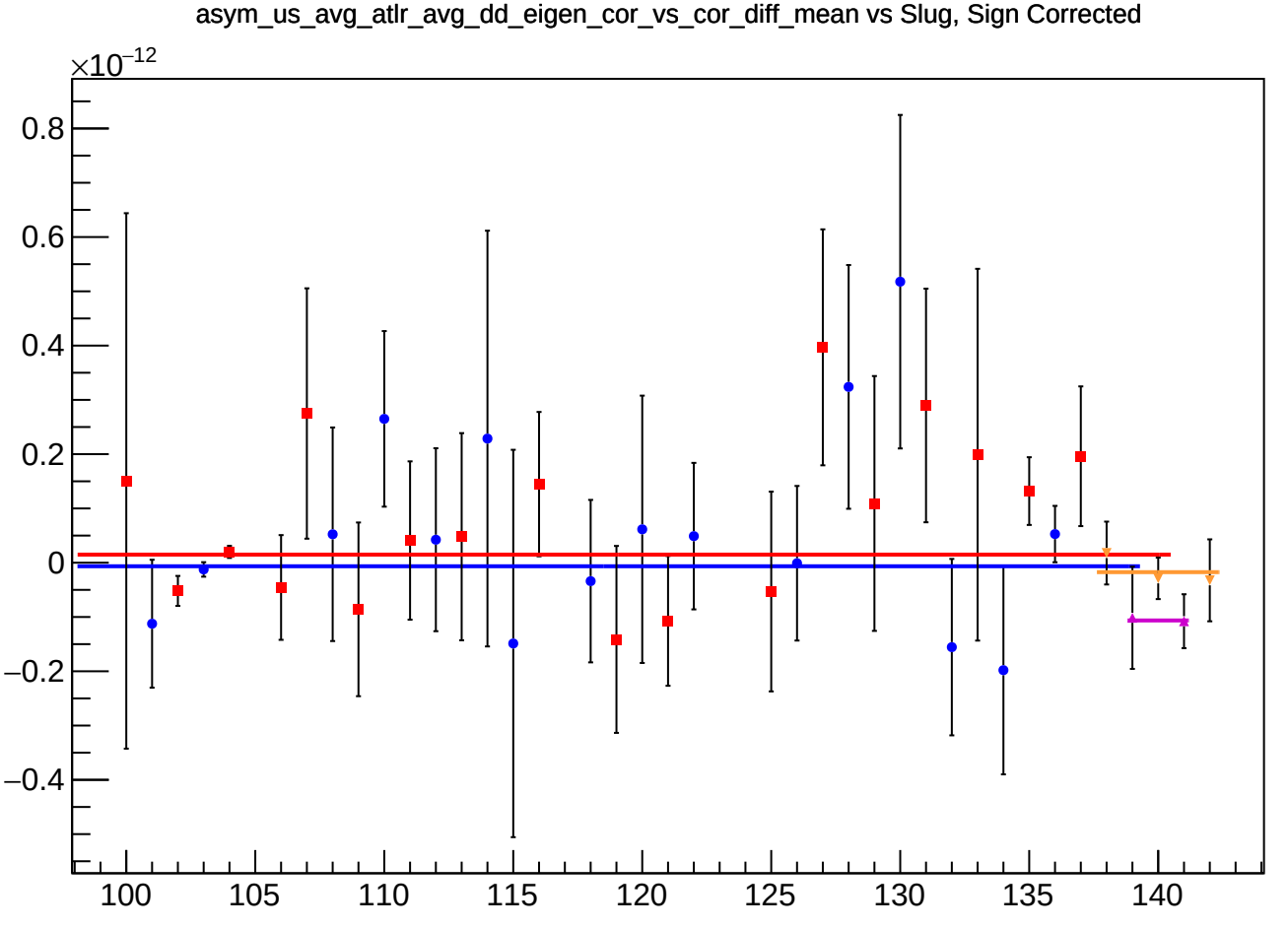
Left: 243.362+/-0.095 χ^2/NDF: 634414.7/4

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 123.459+/-0.032 χ^2/NDF:2455432.1/17

Out: 108.242+/-0.030 χ^2/NDF:4407329.9/20

All: 115.282+/-0.022 χ^2/NDF: 6981468.8/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/2

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

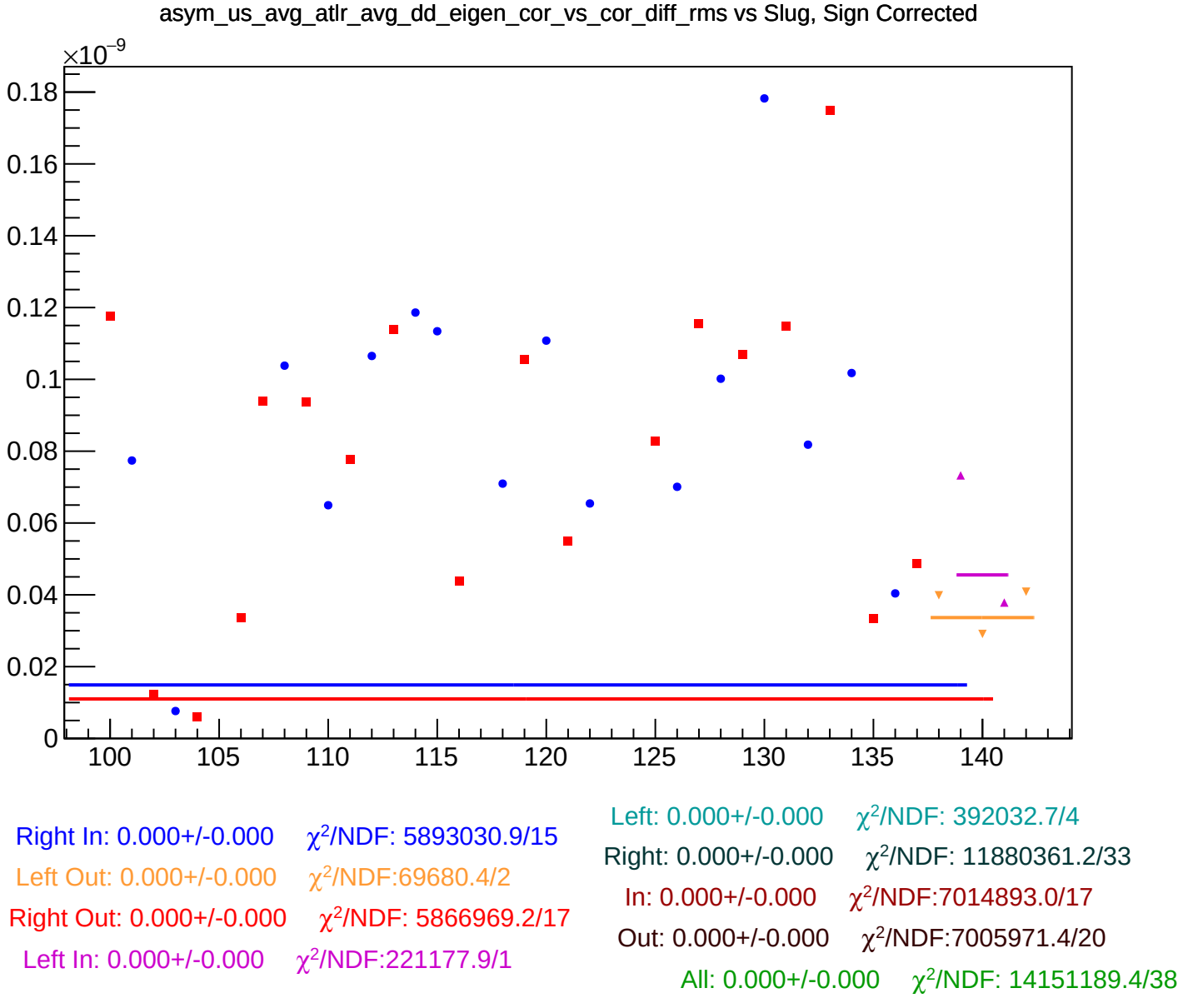
Left: -0.000+/-0.000 χ^2/NDF: 3.3/4

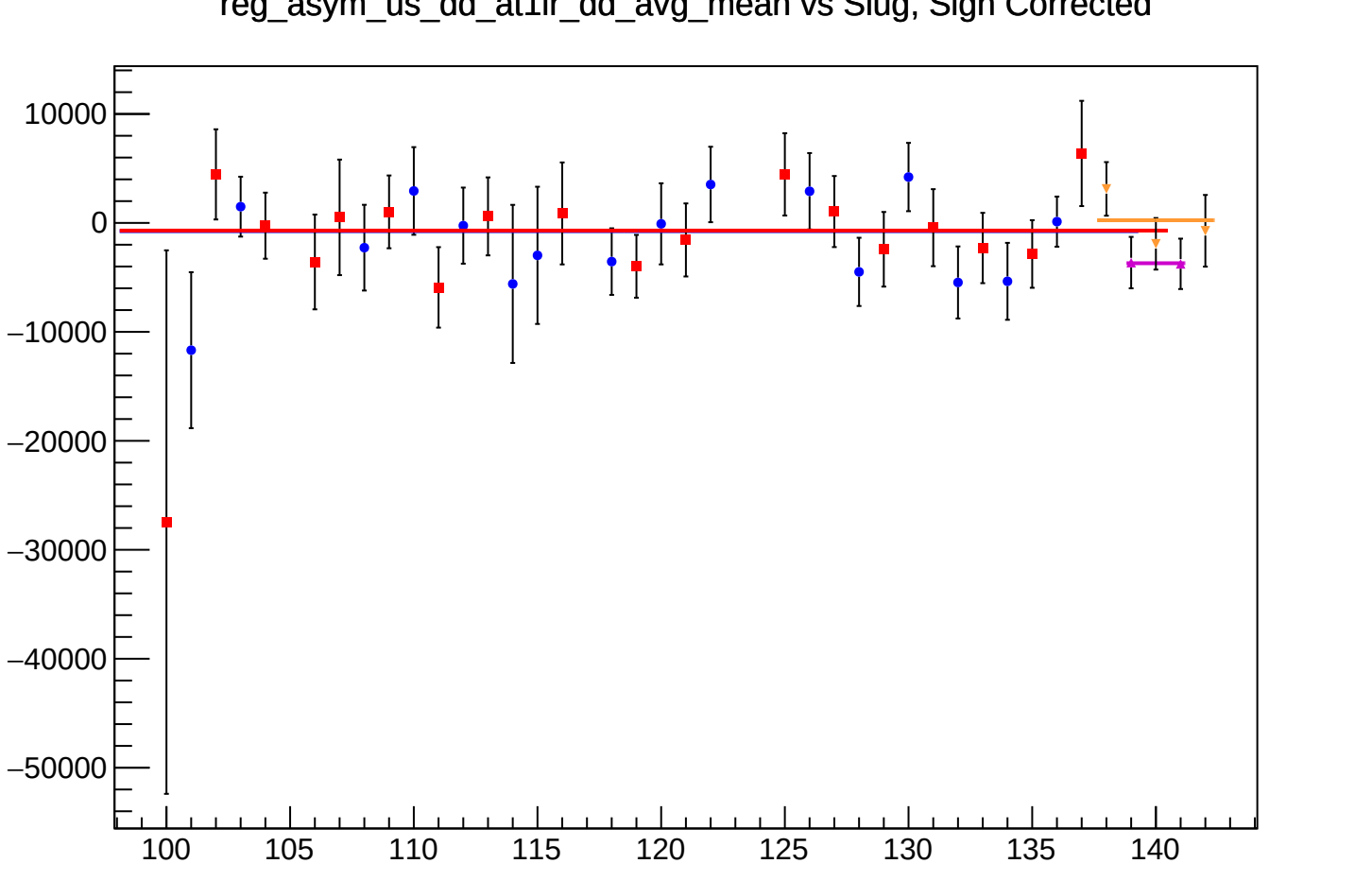
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:17.8/17

Out: 0.000+/-0.000 χ^2/NDF:23.5/20

All: 0.000+/-0.000 χ^2/NDF: 44.1/38


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
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: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:69680.4/2
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:221177.9/1
Left: 0.000+/-0.000 χ²/NDF: 392032.7/4
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:7014893.0/17
Out: 0.000+/-0.000 χ²/NDF:7005971.4/20
All: 0.000+/-0.000 χ²/NDF: 14151189.4/38



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: 245.668+/-1513.687 χ^2/NDF:2.3/2

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -3700.254+/-1651.617 χ^2/NDF:0.0/1

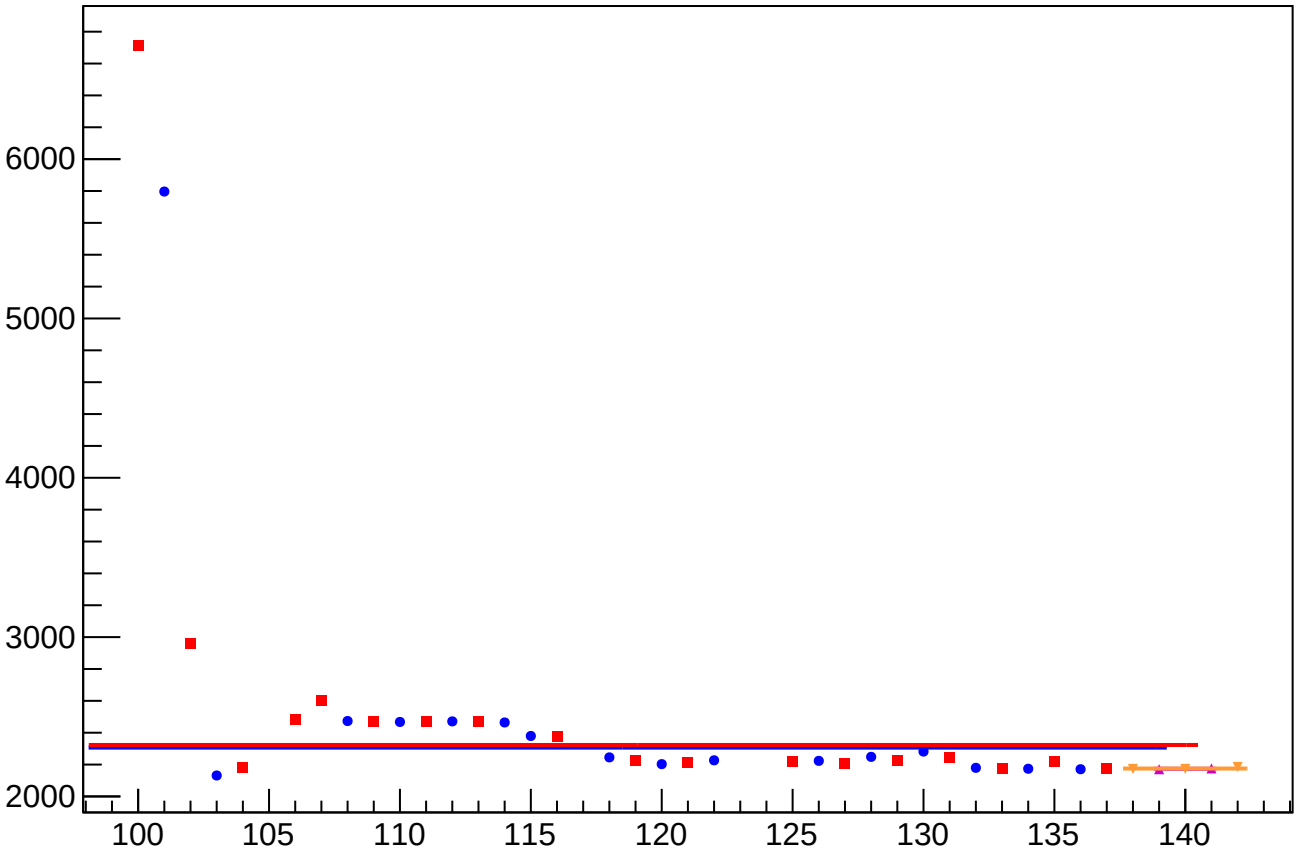
Left: -1555.672+/-1115.920 χ^2/NDF: 5.4/4

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1397.221+/-771.574 χ^2/NDF:18.4/17

Out: -467.379+/-753.406 χ^2/NDF:14.9/20

All: -921.224+/-539.047 χ^2/NDF: 34.1/38



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

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: 2174.409+/-0.789 χ^2/NDF: 27.4/4

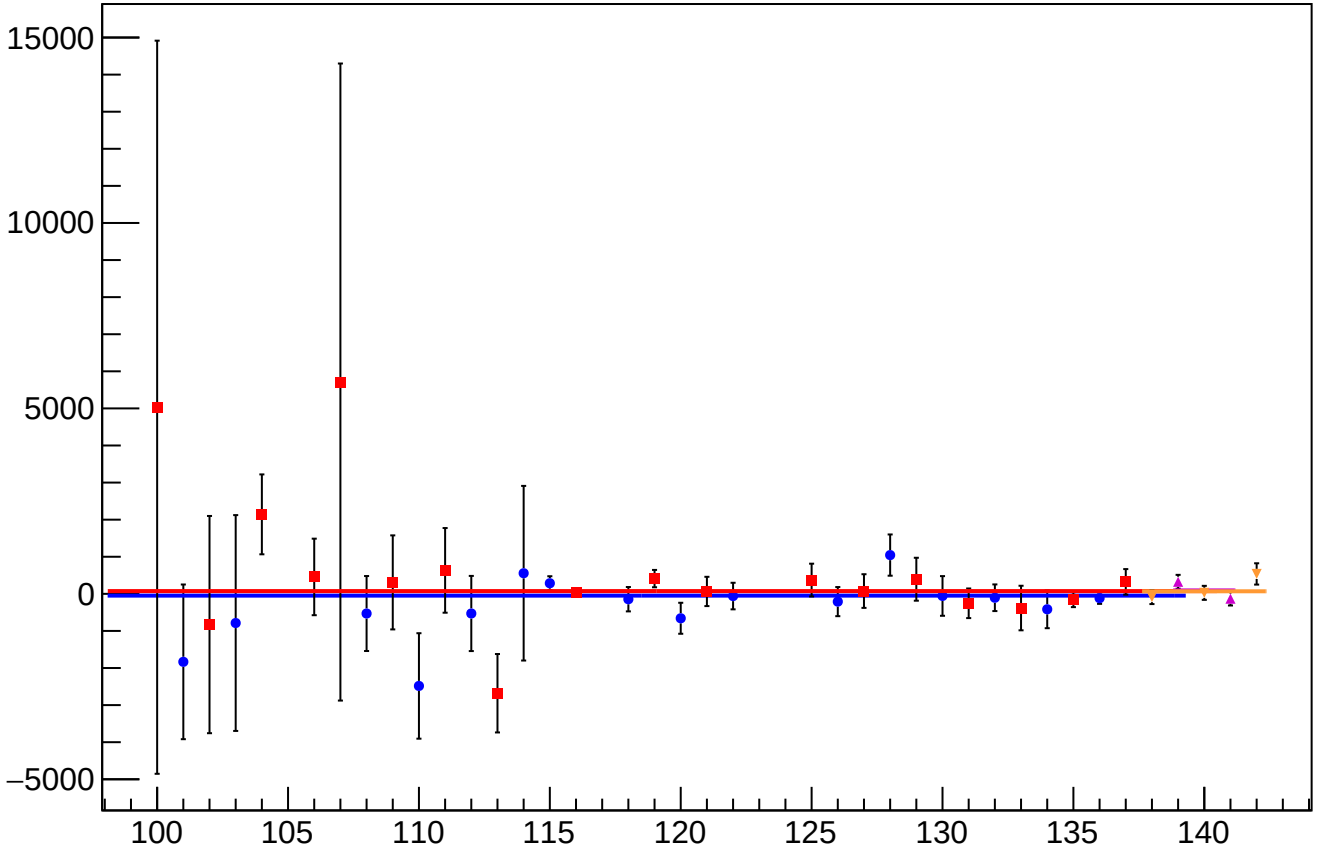
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2277.586+/-0.546 χ^2/NDF:524315.3/17

Out: 2286.386+/-0.533 χ^2/NDF:166160.5/20

All: 2282.091+/-0.381 χ^2/NDF: 690609.0/38

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: 68.908+/-120.729 χ^2/NDF:3.4/2

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 92.577+/-130.637 χ^2/NDF:3.0/1

Left: 79.811+/-88.664 χ^2/NDF: 6.5/4

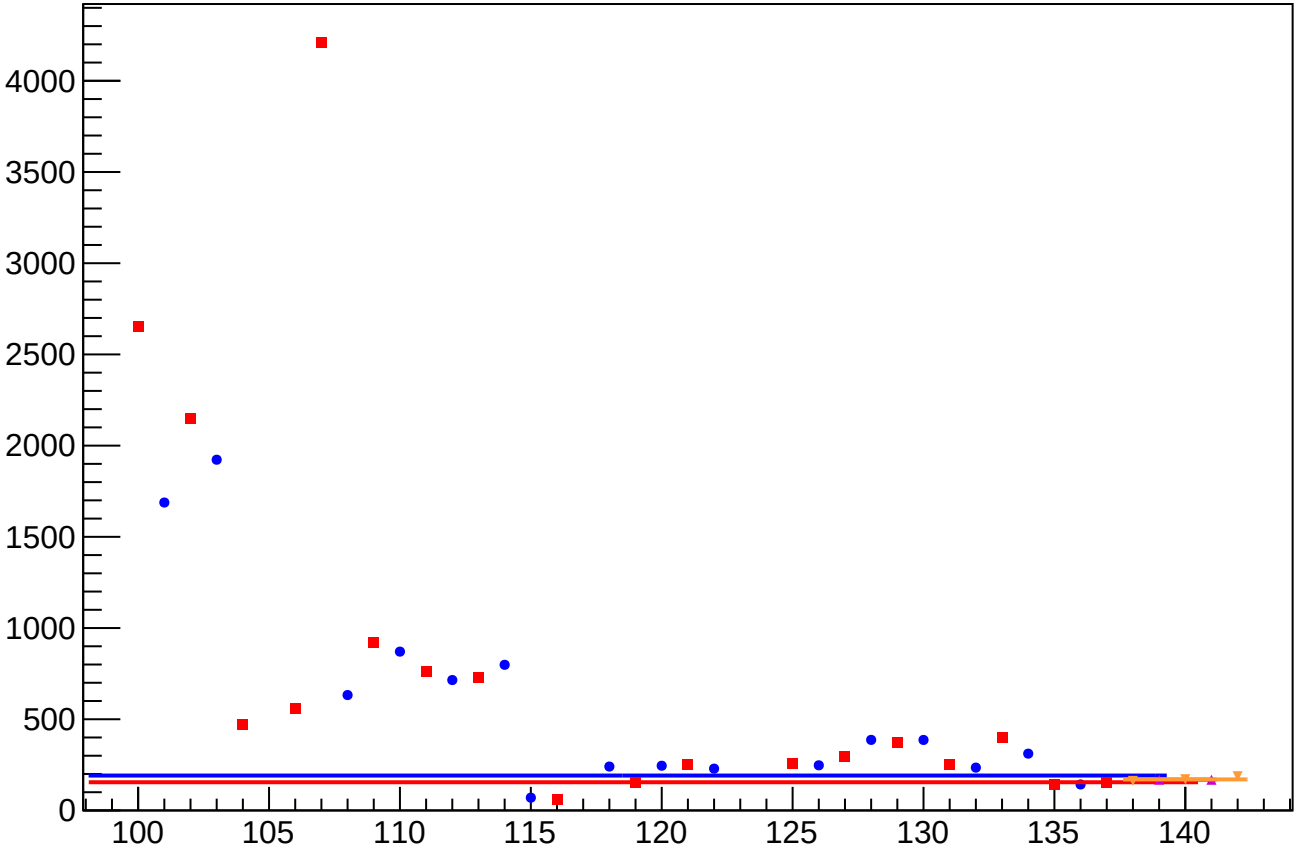
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: -2.081+/-74.622 χ^2/NDF:18.2/17

Out: 72.519+/-68.050 χ^2/NDF:21.0/20

All: 38.648+/-50.282 χ^2/NDF: 39.8/38

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: 170.141+/-0.085 χ^2/NDF:11016.0/2

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 168.694+/-0.092 χ^2/NDF:3.2/1

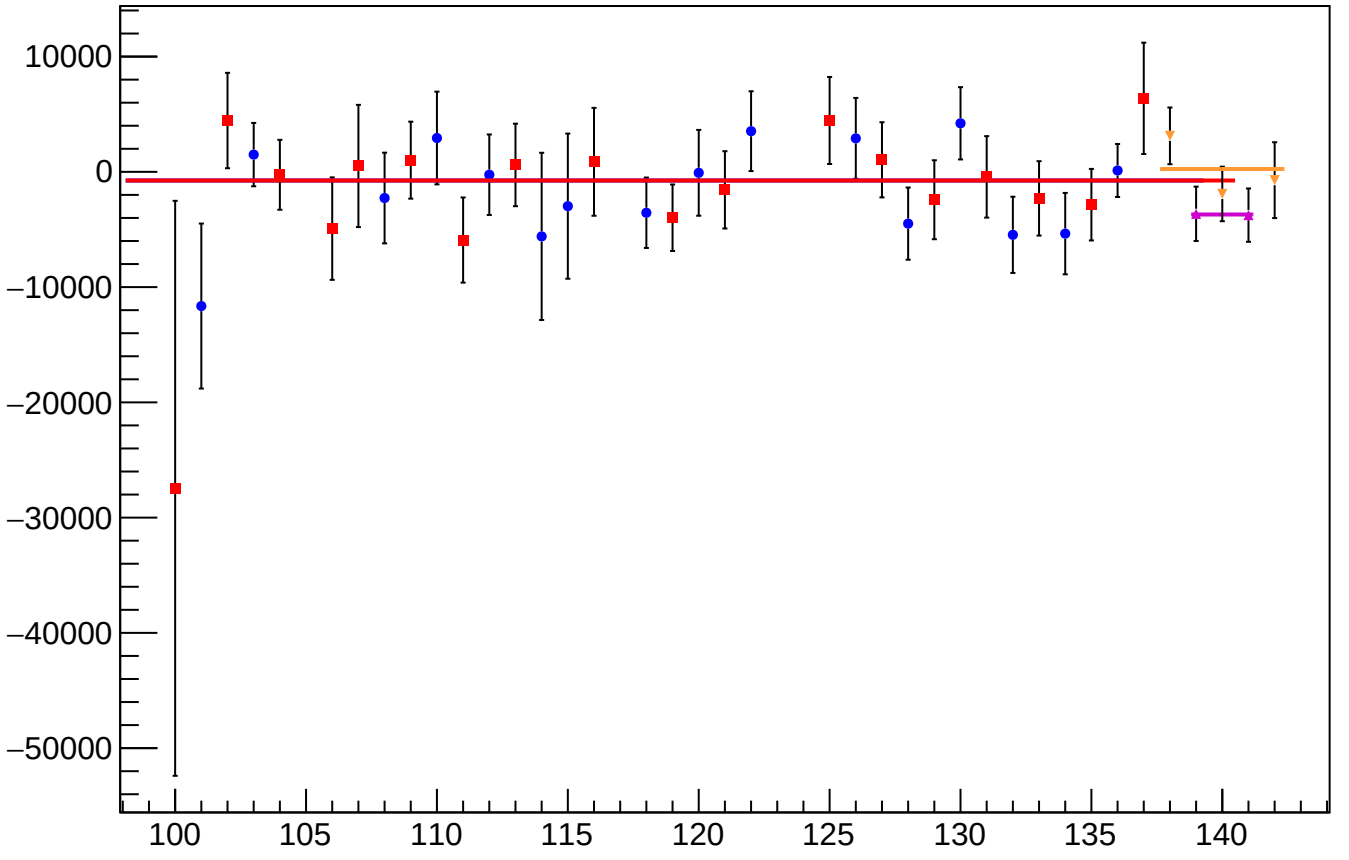
Left: 169.475+/-0.063 χ^2/NDF: 11151.5/4

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 183.978+/-0.053 χ^2/NDF:5105385.2/17

Out: 159.590+/-0.048 χ^2/NDF:6187692.3/20

All: 170.663+/-0.036 χ^2/NDF: 11409712.4/38



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 245.756+/-1513.687 χ^2/NDF:2.3/2

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -3700.313+/-1651.617 χ^2/NDF:0.0/1

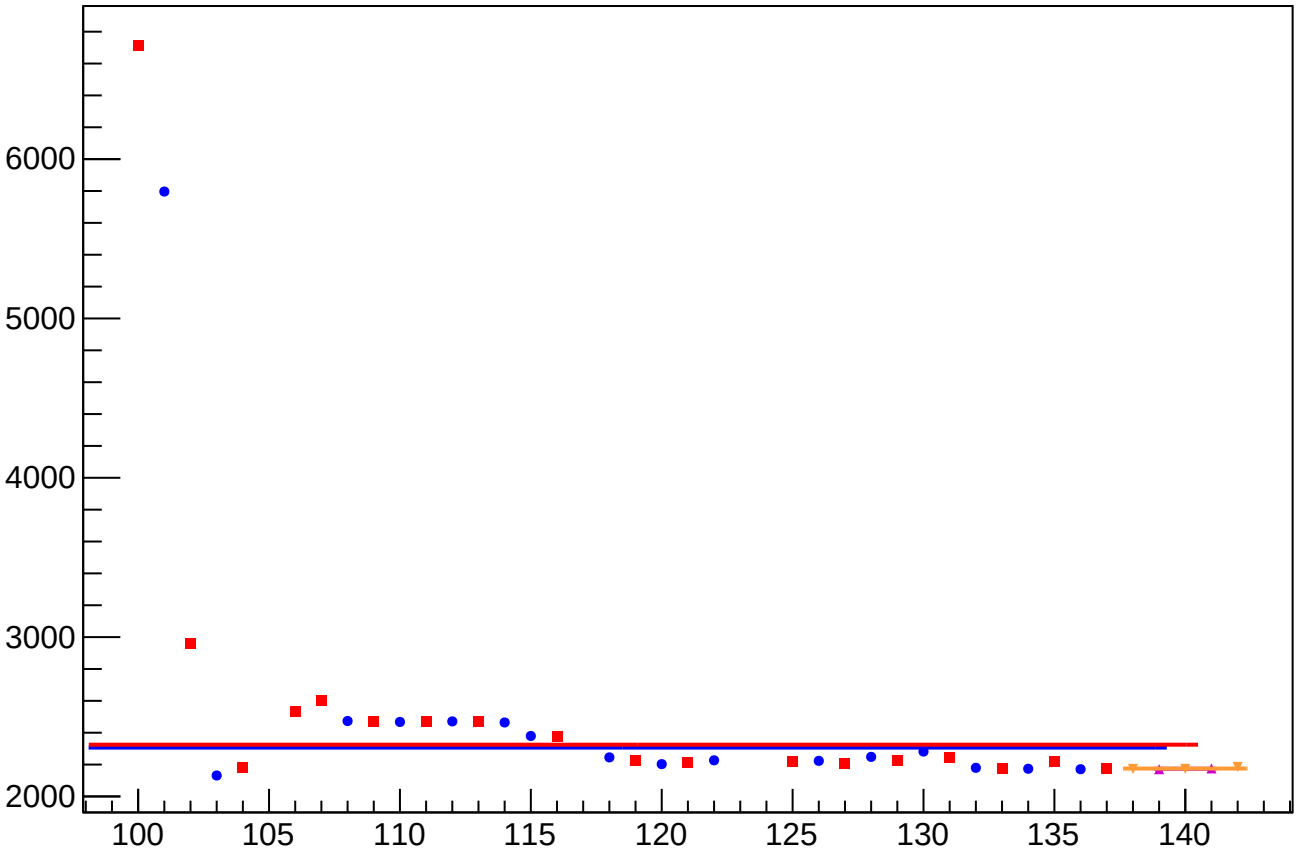
Left: -1555.651+/-1115.920 χ^2/NDF: 5.4/4

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1396.477+/-771.574 χ^2/NDF:18.4/17

Out: -502.496+/-753.875 χ^2/NDF:15.4/20

All: -939.115+/-539.219 χ^2/NDF: 34.5/38



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

Left: 2174.409+/-0.789 χ^2/NDF: 27.4/4

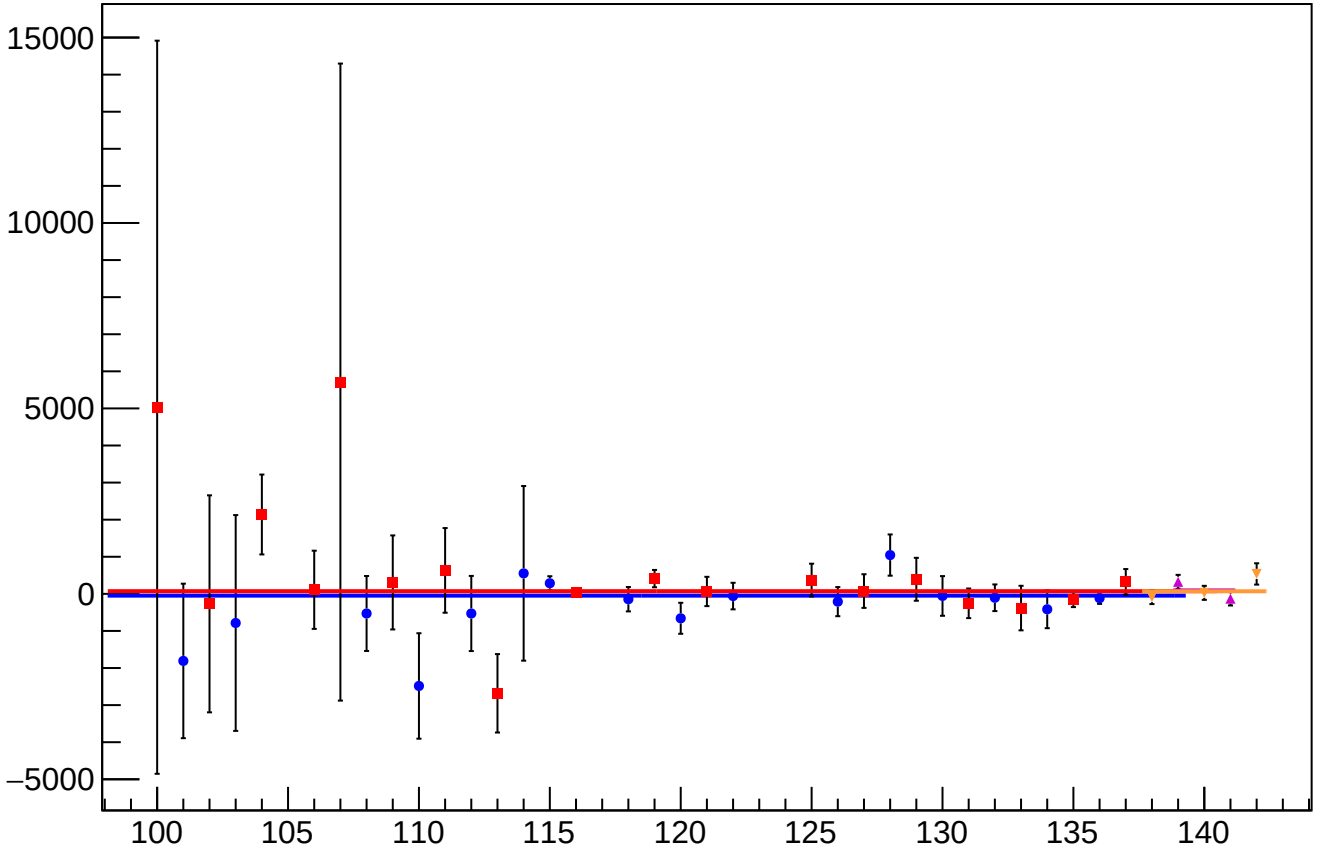
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2277.586+/-0.546 χ^2/NDF:524315.7/17

Out: 2287.599+/-0.533 χ^2/NDF:168272.8/20

All: 2282.709+/-0.381 χ^2/NDF: 692760.8/38

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: 69.051+/-120.728 χ^2/NDF:3.4/2

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 92.876+/-130.642 χ^2/NDF:3.0/1

Left: 80.025+/-88.665 χ^2/NDF: 6.5/4

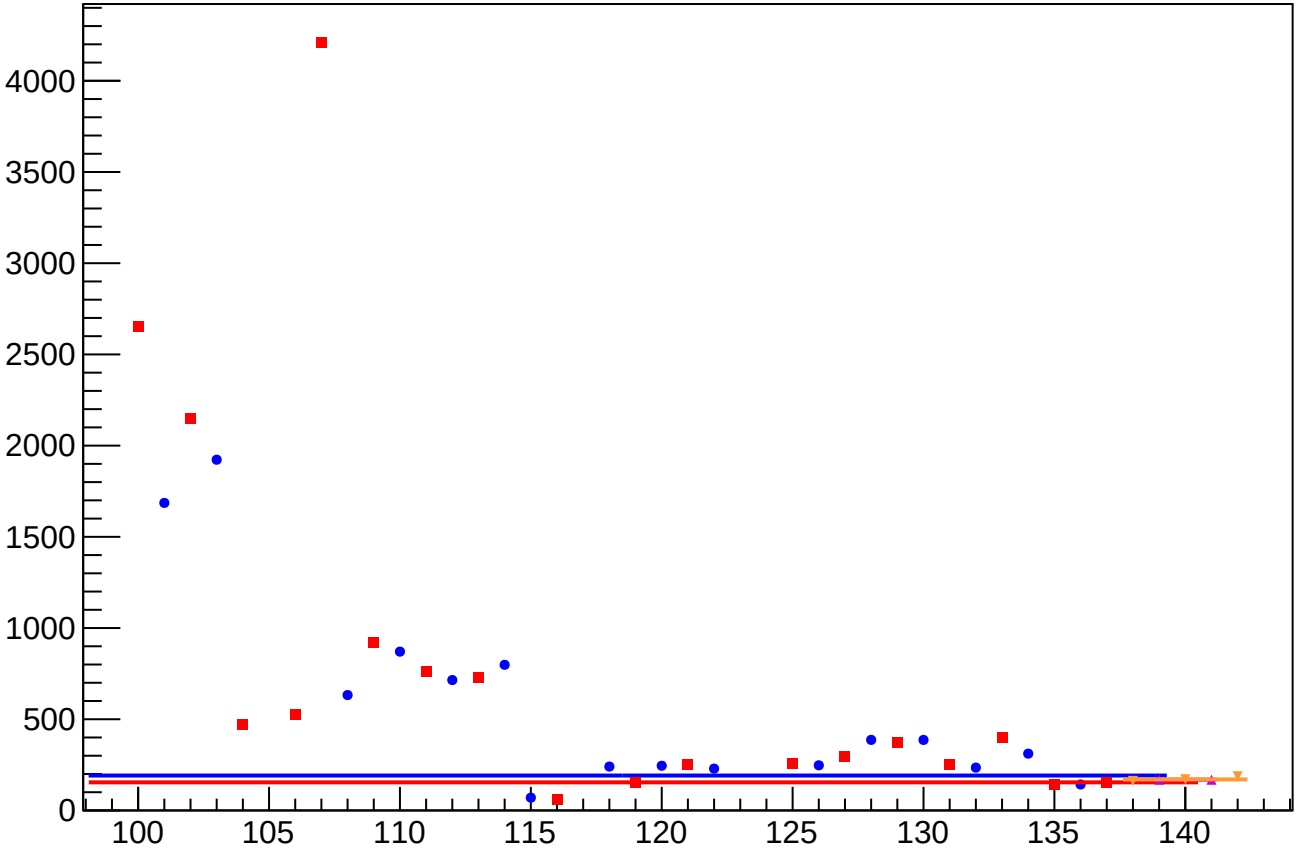
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: -2.005+/-74.626 χ^2/NDF:18.2/17

Out: 71.199+/-68.015 χ^2/NDF:20.8/20

All: 37.983+/-50.269 χ^2/NDF: 39.5/38

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: 170.141+/-0.085 χ^2/NDF:11055.9/2

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 168.698+/-0.092 χ^2/NDF:3.4/1

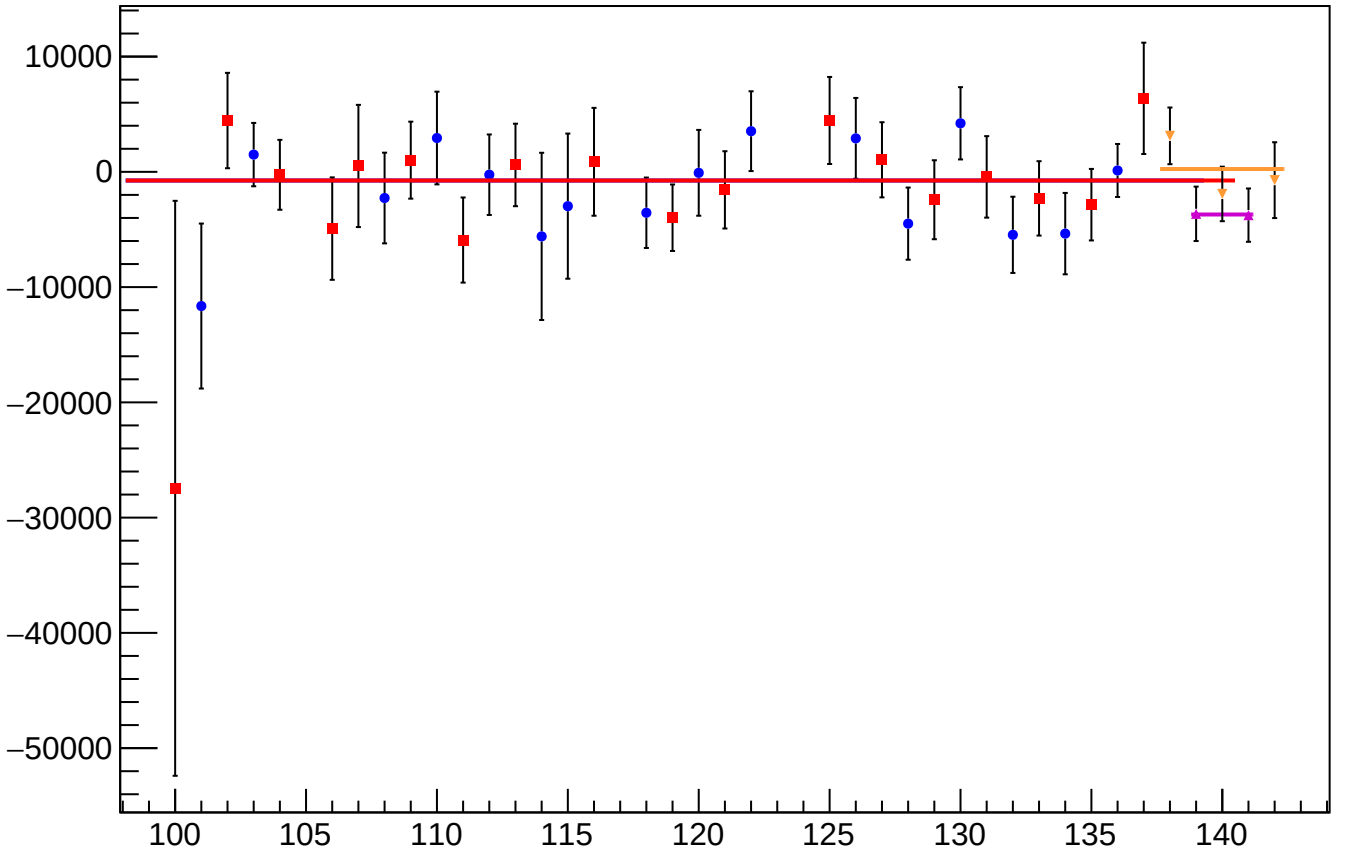
Left: 169.477+/-0.063 χ^2/NDF: 11190.8/4

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 183.996+/-0.053 χ^2/NDF:5104310.9/17

Out: 159.206+/-0.048 χ^2/NDF:6143759.5/20

All: 170.454+/-0.036 χ^2/NDF: 11368629.0/38



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: 245.756+/-1513.687 χ^2/NDF:2.3/2

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -3700.313+/-1651.617 χ^2/NDF:0.0/1

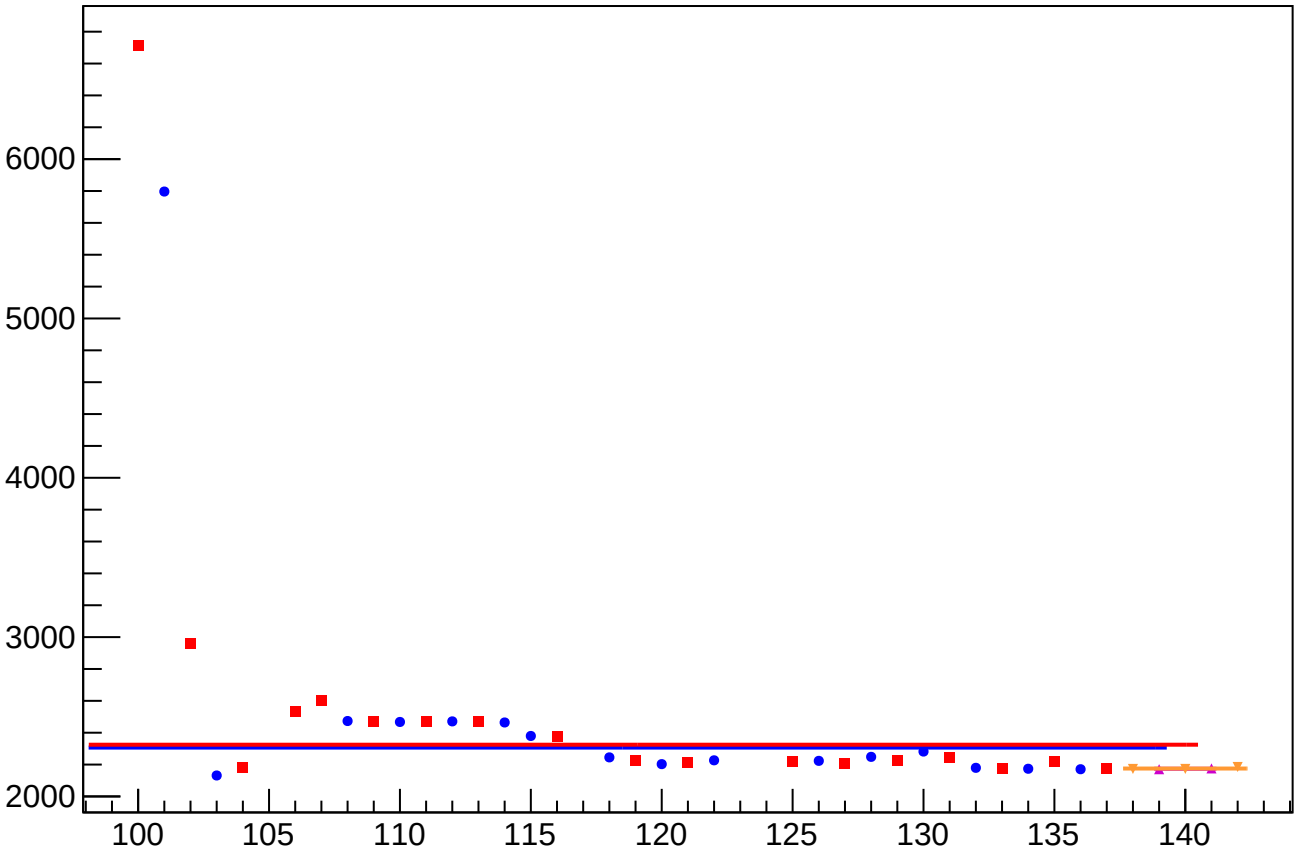
Left: -1555.651+/-1115.920 χ^2/NDF: 5.4/4

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1396.477+/-771.574 χ^2/NDF:18.4/17

Out: -502.496+/-753.875 χ^2/NDF:15.4/20

All: -939.115+/-539.219 χ^2/NDF: 34.5/38



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2175.172+/-1.070 χ^2/NDF:21.7/2

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2173.501+/-1.168 χ^2/NDF:4.5/1

Left: 2174.409+/-0.789 χ^2/NDF: 27.4/4

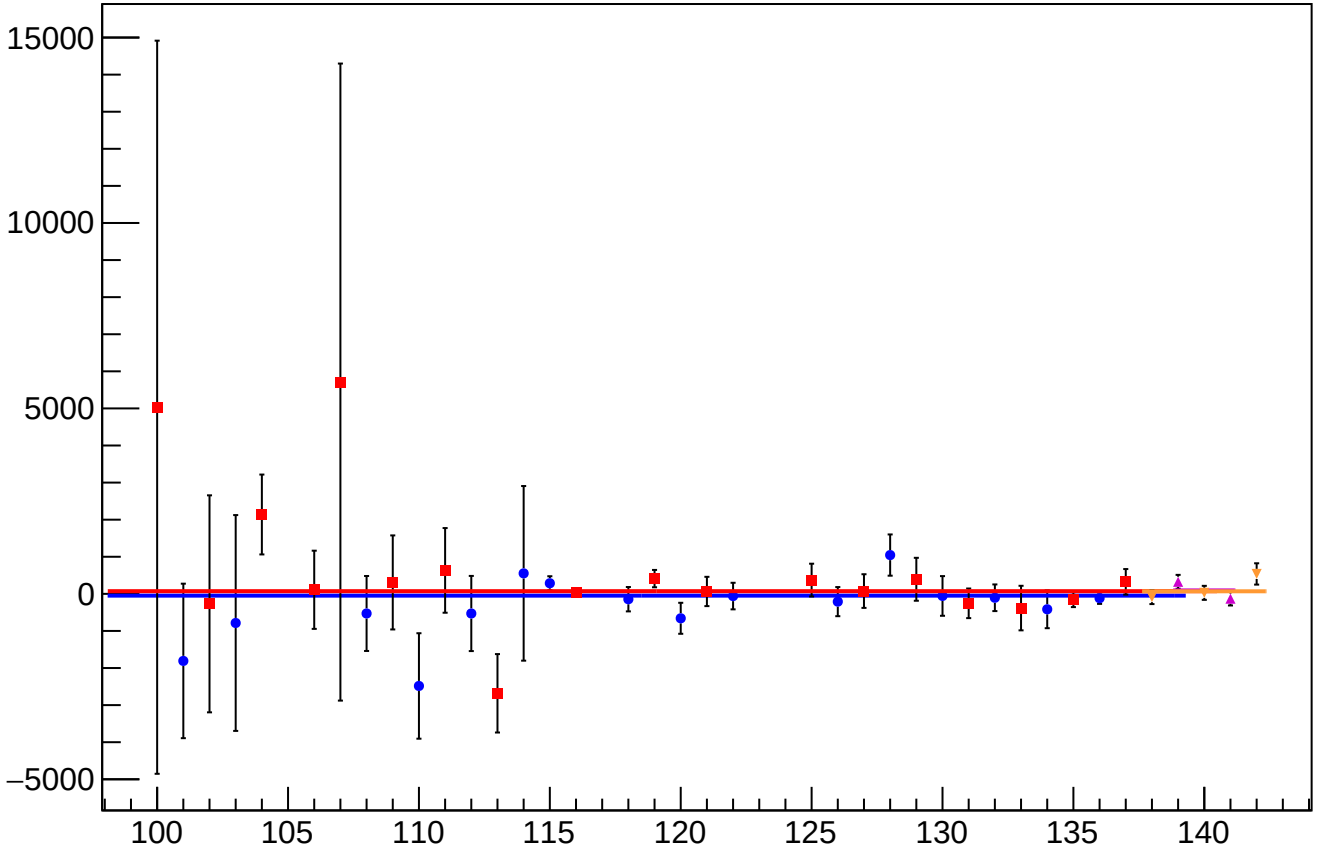
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2277.586+/-0.546 χ^2/NDF:524315.7/17

Out: 2287.599+/-0.533 χ^2/NDF:168272.8/20

All: 2282.709+/-0.381 χ^2/NDF: 692760.8/38

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: 69.051+/-120.728 χ^2/NDF:3.4/2

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 92.876+/-130.642 χ^2/NDF:3.0/1

Left: 80.025+/-88.665 χ^2/NDF: 6.5/4

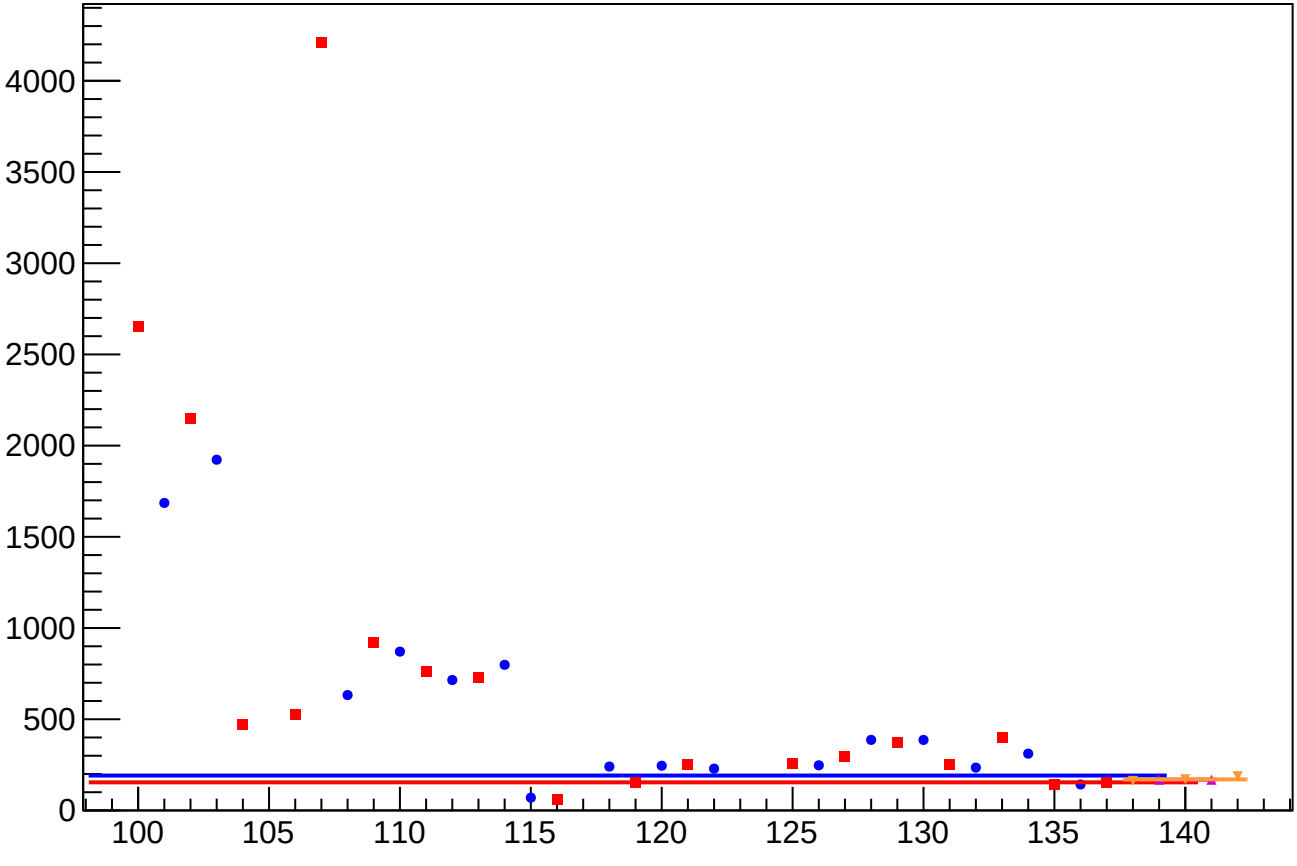
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: -2.005+/-74.626 χ^2/NDF:18.2/17

Out: 71.199+/-68.015 χ^2/NDF:20.8/20

All: 37.983+/-50.269 χ^2/NDF: 39.5/38

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: 170.141+/-0.085 χ^2/NDF:11055.9/2

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 168.698+/-0.092 χ^2/NDF:3.4/1

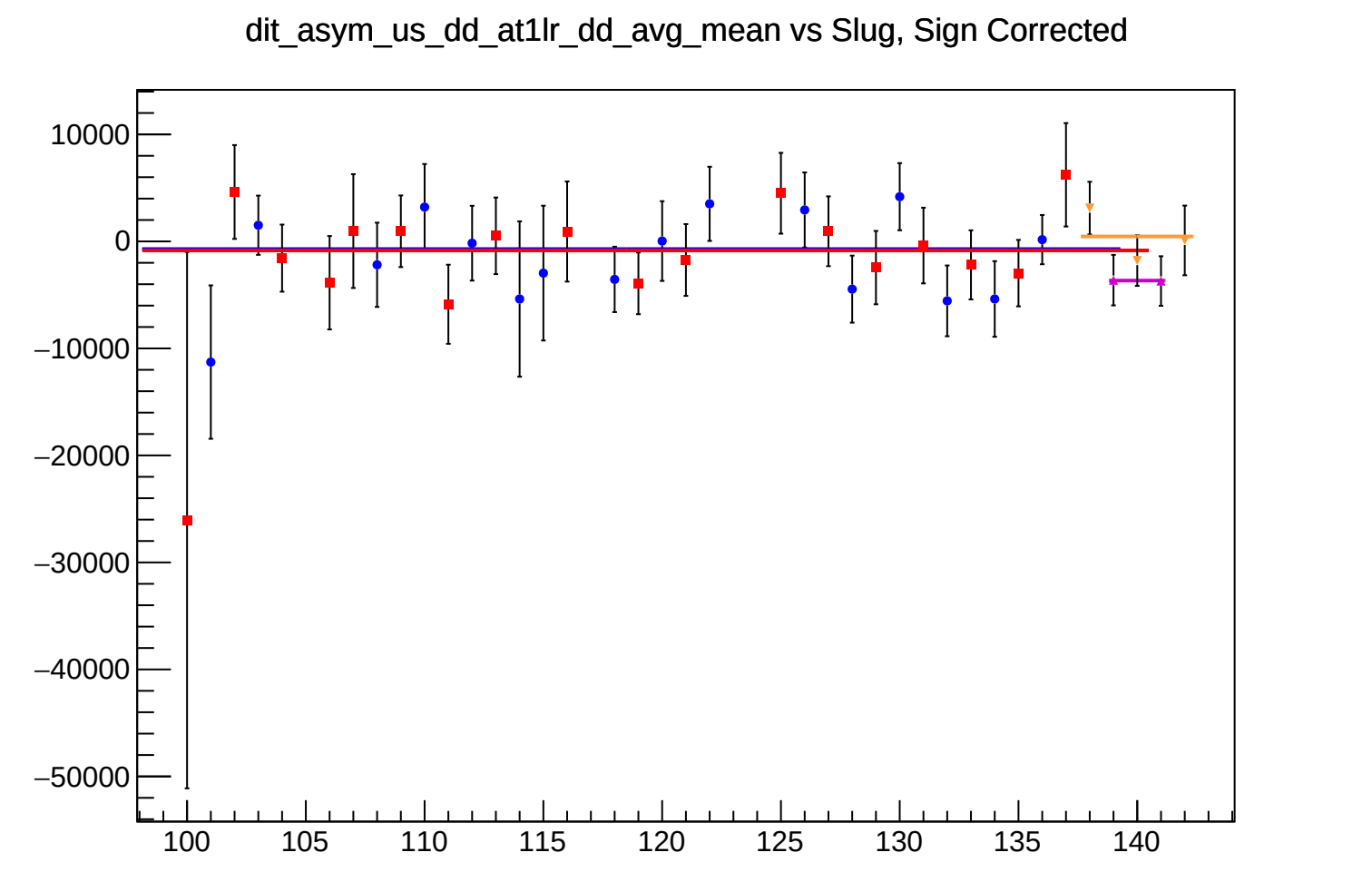
Left: 169.477+/-0.063 χ^2/NDF: 11190.8/4

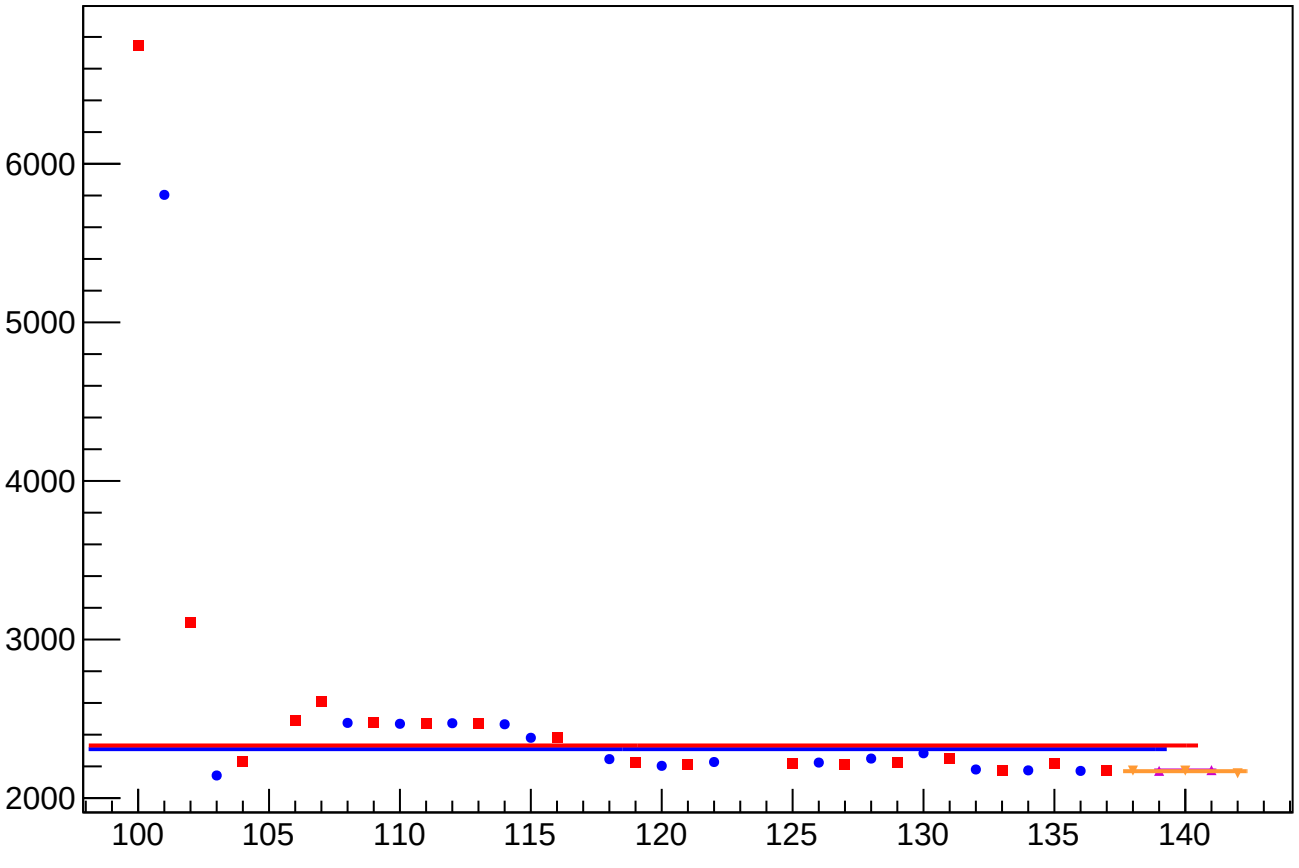
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 183.996+/-0.053 χ^2/NDF:5104310.9/17

Out: 159.206+/-0.048 χ^2/NDF:6143759.5/20

All: 170.454+/-0.036 χ^2/NDF: 11368629.0/38


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
105
110
115
120
125
130
135
140
Right In: -717.136+/-873.539 χ²/NDF: 15.8/15
Left Out: 463.540+/-1510.771 χ²/NDF:2.1/2
Right Out: -842.157+/-873.586 χ²/NDF: 12.2/17
Left In: -3661.141+/-1652.219 χ²/NDF:0.0/1
Left: -1414.714+/-1114.935 χ²/NDF: 5.5/4
Right: -779.643+/-617.702 χ²/NDF: 28.0/33
In: -1360.294+/-772.248 χ²/NDF:18.3/17
Out: -514.979+/-756.257 χ²/NDF:14.8/20
All: -928.794+/-540.319 χ²/NDF: 33.7/38



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF:43.5/2

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2174.293+/-1.168 χ^2/NDF:3.9/1

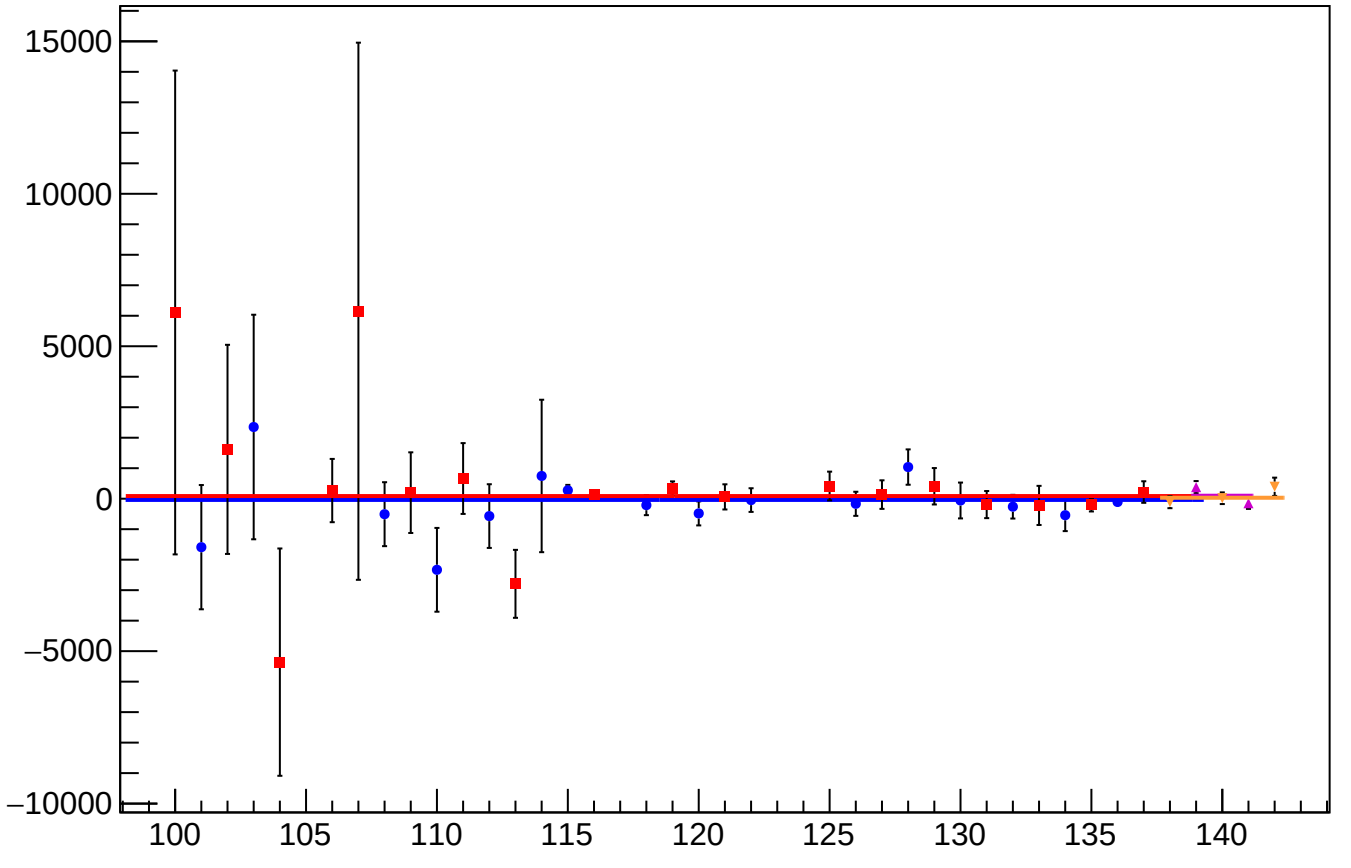
Left: 2171.822+/-0.788 χ^2/NDF: 55.7/4

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2279.368+/-0.546 χ^2/NDF:524096.1/17

Out: 2291.233+/-0.535 χ^2/NDF:184619.2/20

All: 2285.424+/-0.382 χ^2/NDF: 708956.3/38



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: 30.960+/-125.347 χ^2/NDF:2.0/2

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 97.450+/-135.776 χ^2/NDF:3.8/1

Left: 61.554+/-92.100 χ^2/NDF: 5.9/4

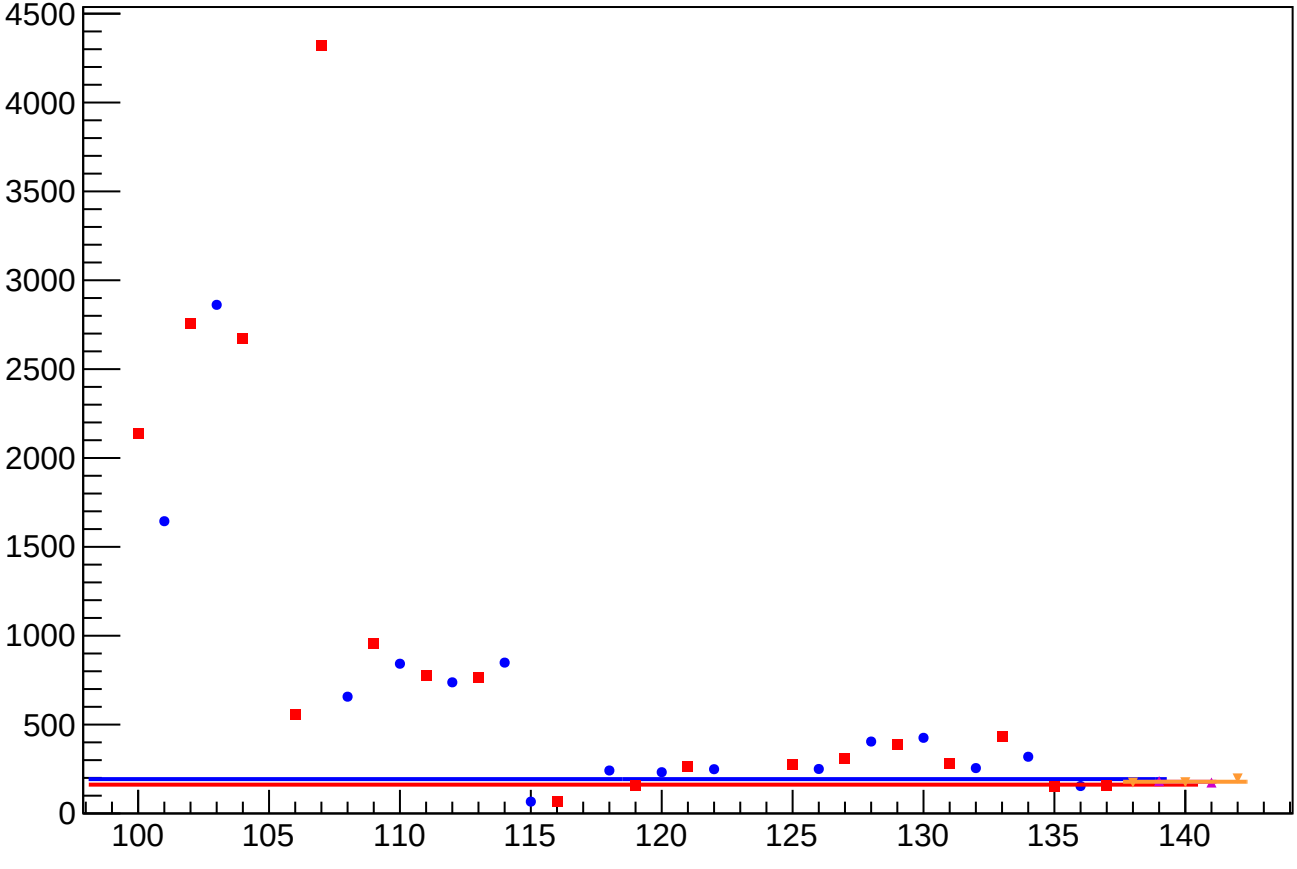
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 3.432+/-76.394 χ^2/NDF:18.5/17

Out: 68.616+/-70.963 χ^2/NDF:17.1/20

All: 38.423+/-51.993 χ^2/NDF: 36.0/38

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: 178.449+/-0.089 χ^2/NDF:9275.6/2

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 177.899+/-0.096 χ^2/NDF:1779.4/1

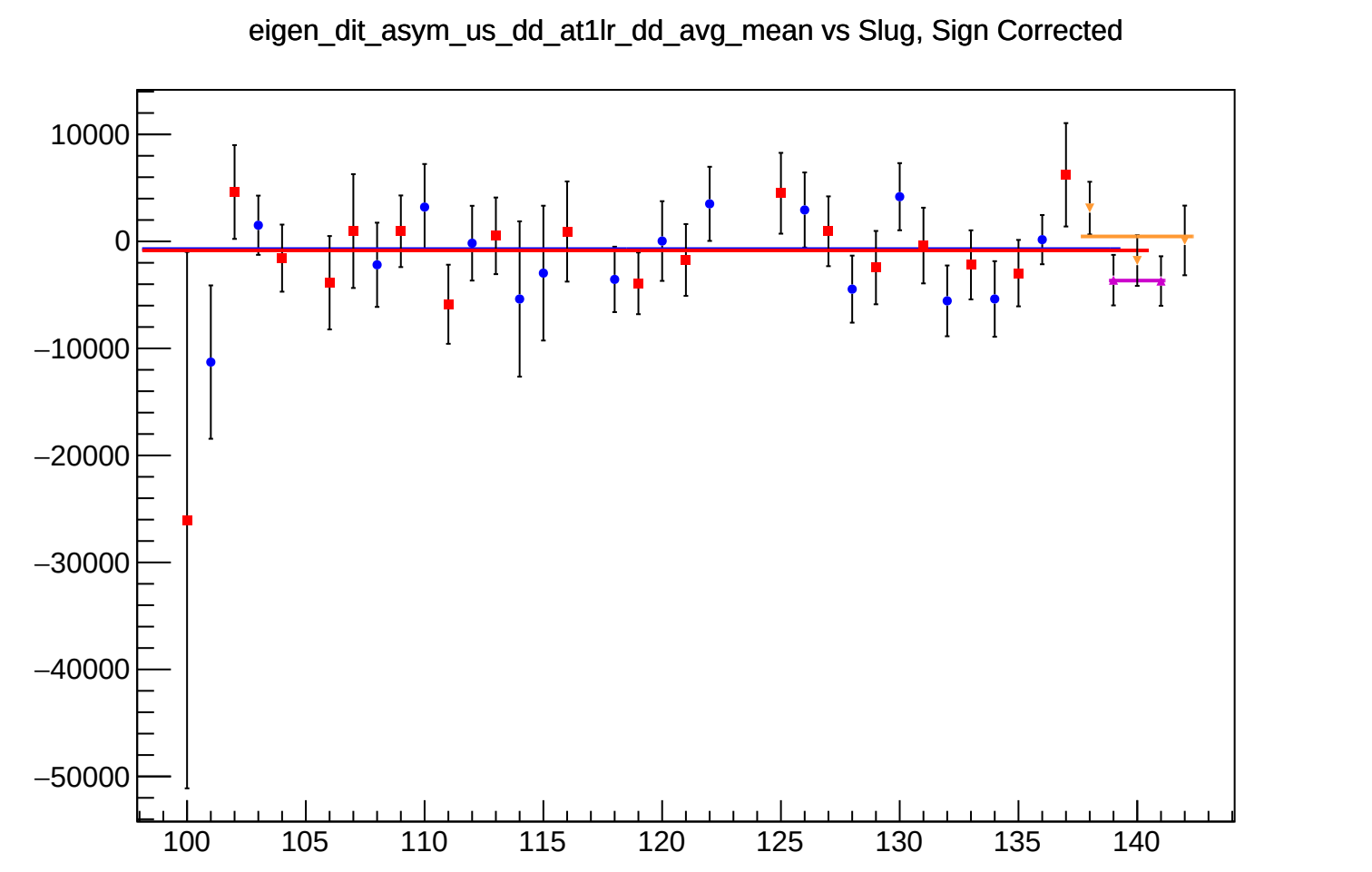
Left: 178.196+/-0.065 χ^2/NDF: 11072.8/4

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 188.394+/-0.054 χ^2/NDF:5637111.5/17

Out: 167.349+/-0.050 χ^2/NDF:7102843.2/20

All: 177.097+/-0.037 χ^2/NDF: 12821424.2/38



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: 463.540+/-1510.771 χ^2/NDF:2.1/2

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -3661.136+/-1652.219 χ^2/NDF:0.0/1

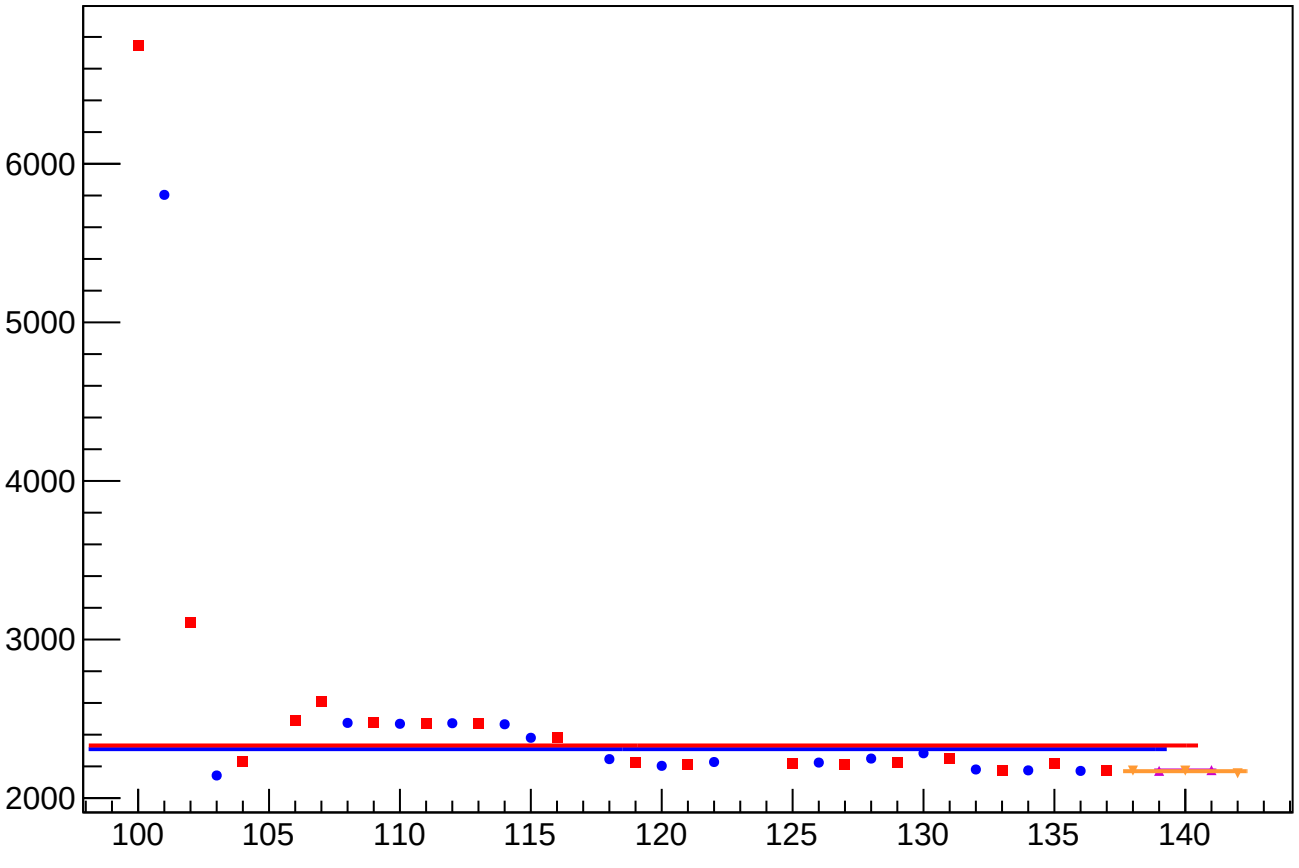
Left: -1414.712+/-1114.935 χ^2/NDF: 5.5/4

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1360.293+/-772.248 χ^2/NDF:18.3/17

Out: -514.981+/-756.257 χ^2/NDF:14.8/20

All: -928.794+/-540.319 χ^2/NDF: 33.7/38



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2169.756+/-1.068 χ^2/NDF:43.5/2

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2174.293+/-1.168 χ^2/NDF:3.9/1

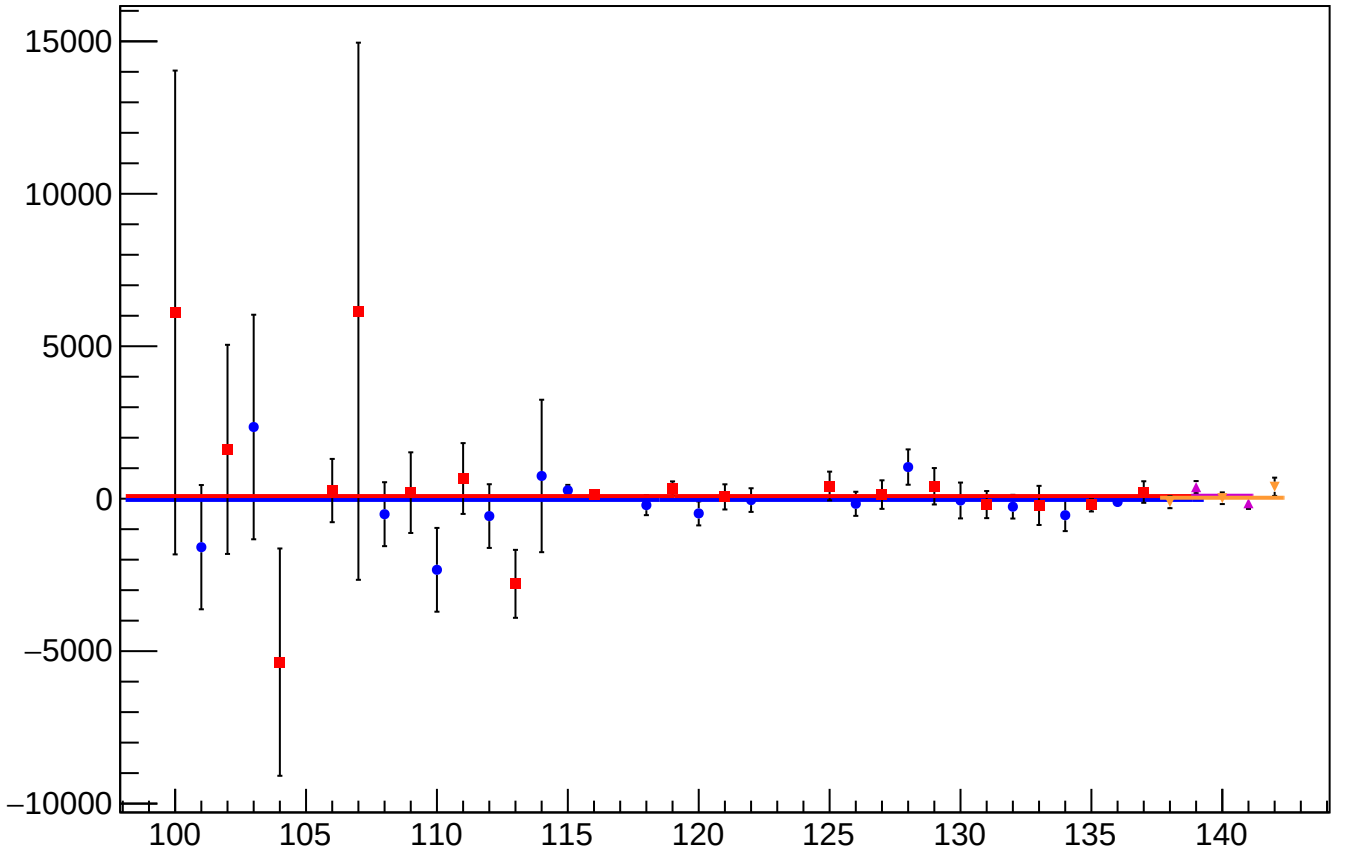
Left: 2171.822+/-0.788 χ^2/NDF: 55.7/4

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2279.368+/-0.546 χ^2/NDF:524096.2/17

Out: 2291.233+/-0.535 χ^2/NDF:184619.0/20

All: 2285.424+/-0.382 χ^2/NDF: 708956.2/38



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: 30.963+/-125.348 χ^2/NDF:2.0/2

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: 61.554+/-92.101 χ^2/NDF: 5.9/4

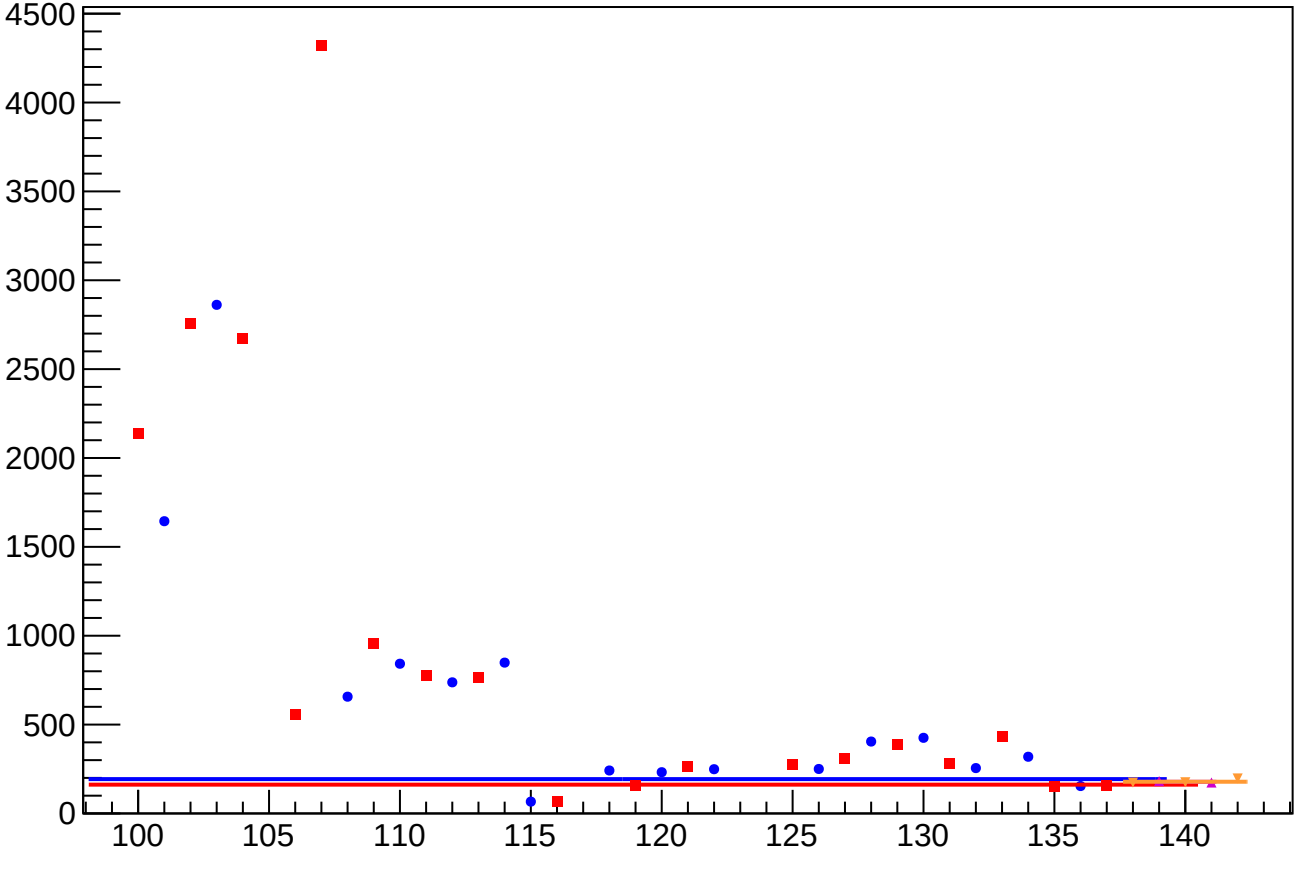
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 3.432+/-76.394 χ^2/NDF:18.5/17

Out: 68.619+/-70.963 χ^2/NDF:17.1/20

All: 38.424+/-51.992 χ^2/NDF: 36.0/38

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: 178.450+/-0.089 χ^2/NDF:9272.8/2

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 177.900+/-0.096 χ^2/NDF:1781.2/1

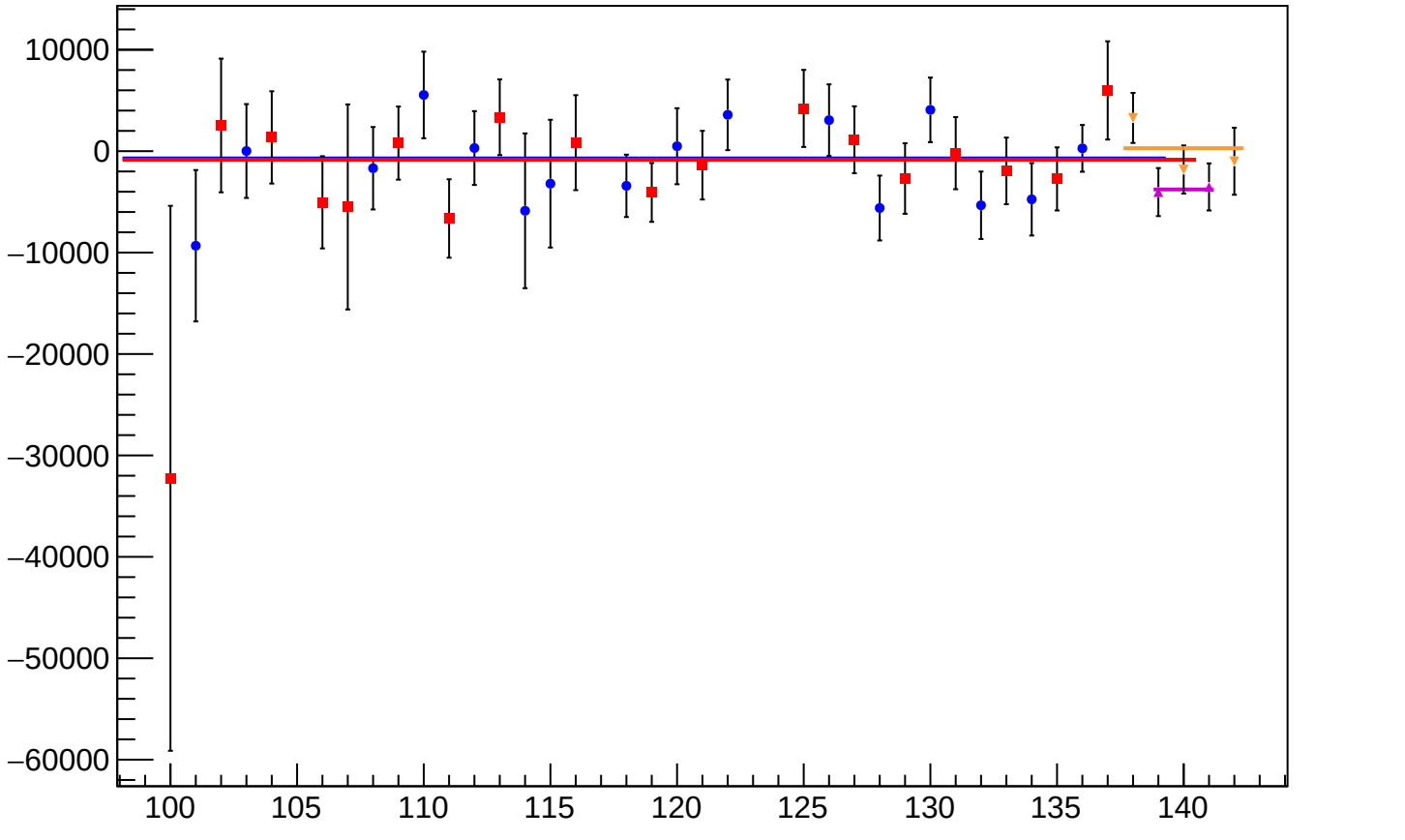
Left: 178.197+/-0.065 χ^2/NDF: 11071.6/4

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 188.393+/-0.054 χ^2/NDF:5637142.3/17

Out: 167.348+/-0.050 χ^2/NDF:7102909.2/20

All: 177.096+/-0.037 χ^2/NDF: 12821523.1/38



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: 291.362+/-1519.229 χ^2/NDF:2.4/2

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -3776.186+/-1657.478 χ^2/NDF:0.0/1

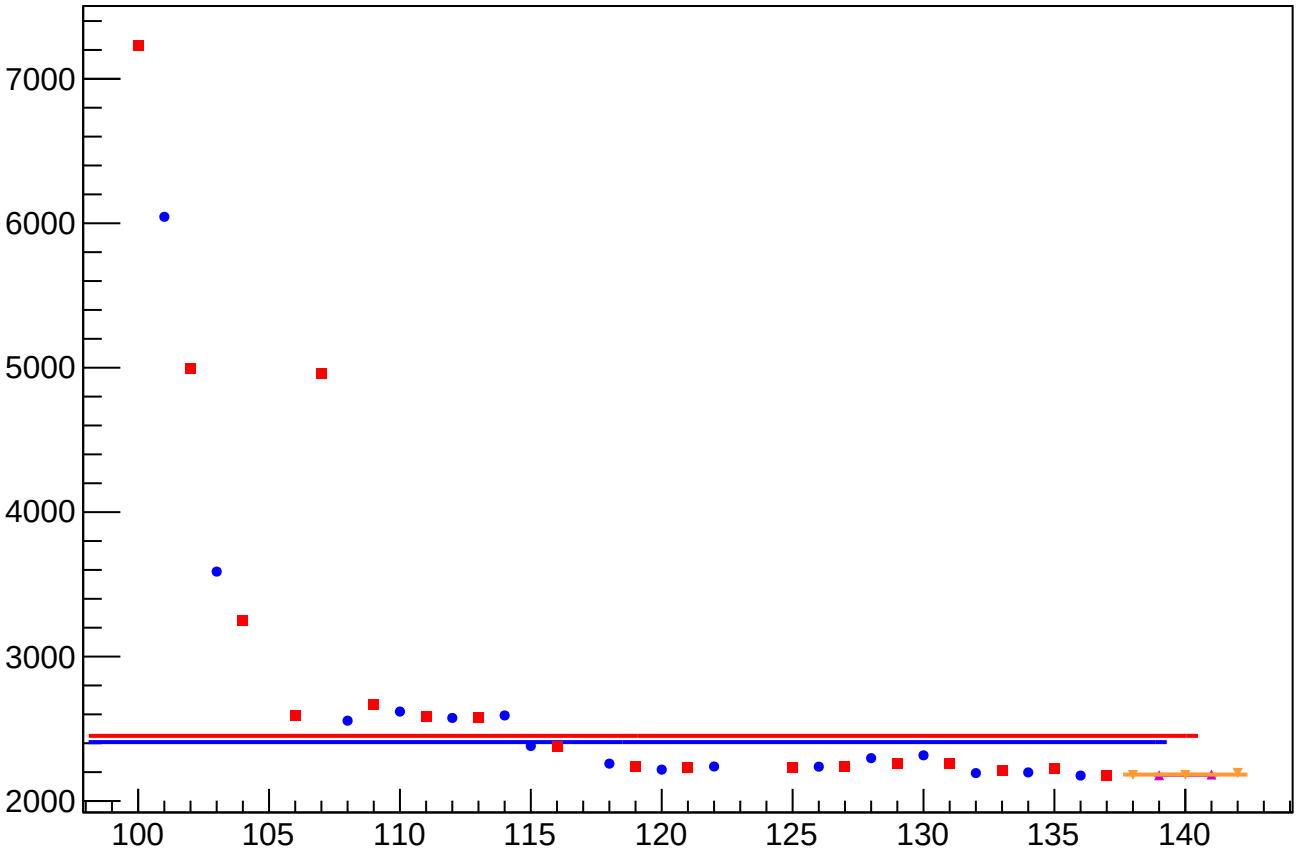
Left: -1565.728+/-1119.948 χ^2/NDF: 5.7/4

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1434.971+/-801.869 χ^2/NDF:18.4/17

Out: -535.735+/-792.379 χ^2/NDF:15.7/20

All: -980.000+/-563.622 χ^2/NDF: 34.8/38



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2183.135+/-1.074 χ^2/NDF:29.2/2

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2181.211+/-1.172 χ^2/NDF:5.0/1

Left: 2182.256+/-0.792 χ^2/NDF: 35.6/4

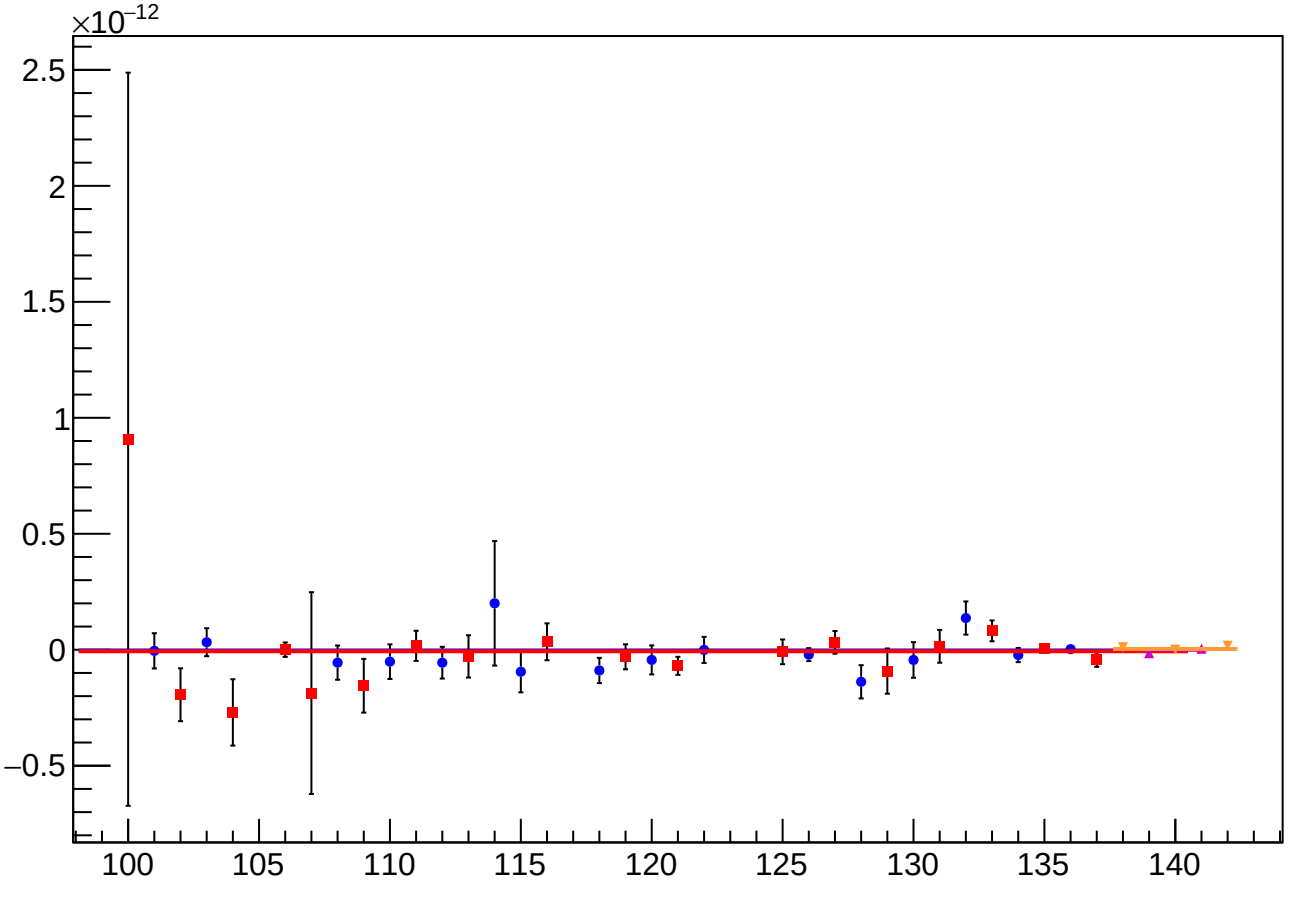
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2354.763+/-0.567 χ^2/NDF:705524.2/17

Out: 2378.270+/-0.560 χ^2/NDF:678954.7/20

All: 2366.656+/-0.399 χ^2/NDF: 1385348.5/38

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:2.1/2

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2.0/1

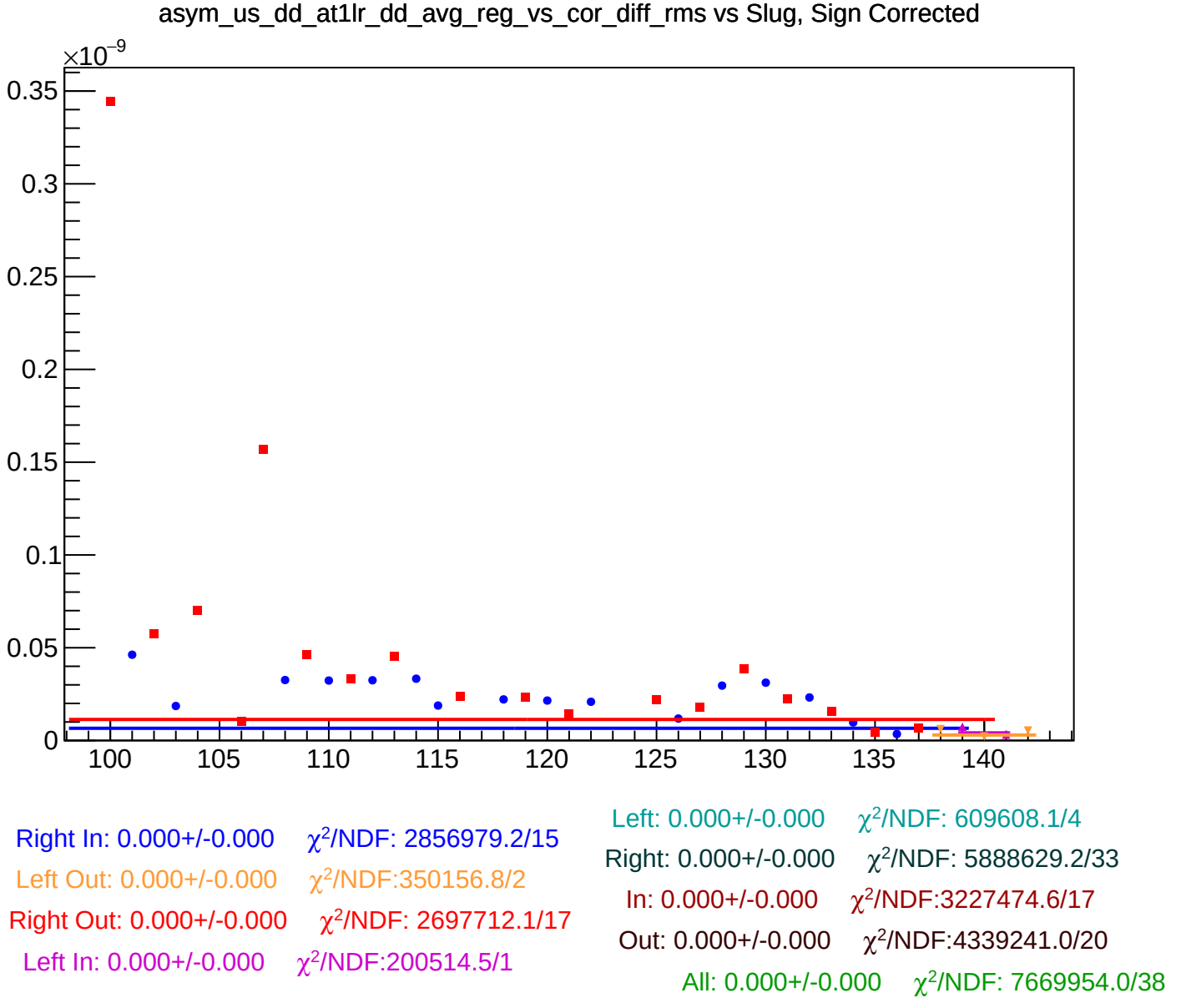
Left: 0.000+/-0.000 χ^2/NDF: 4.4/4

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

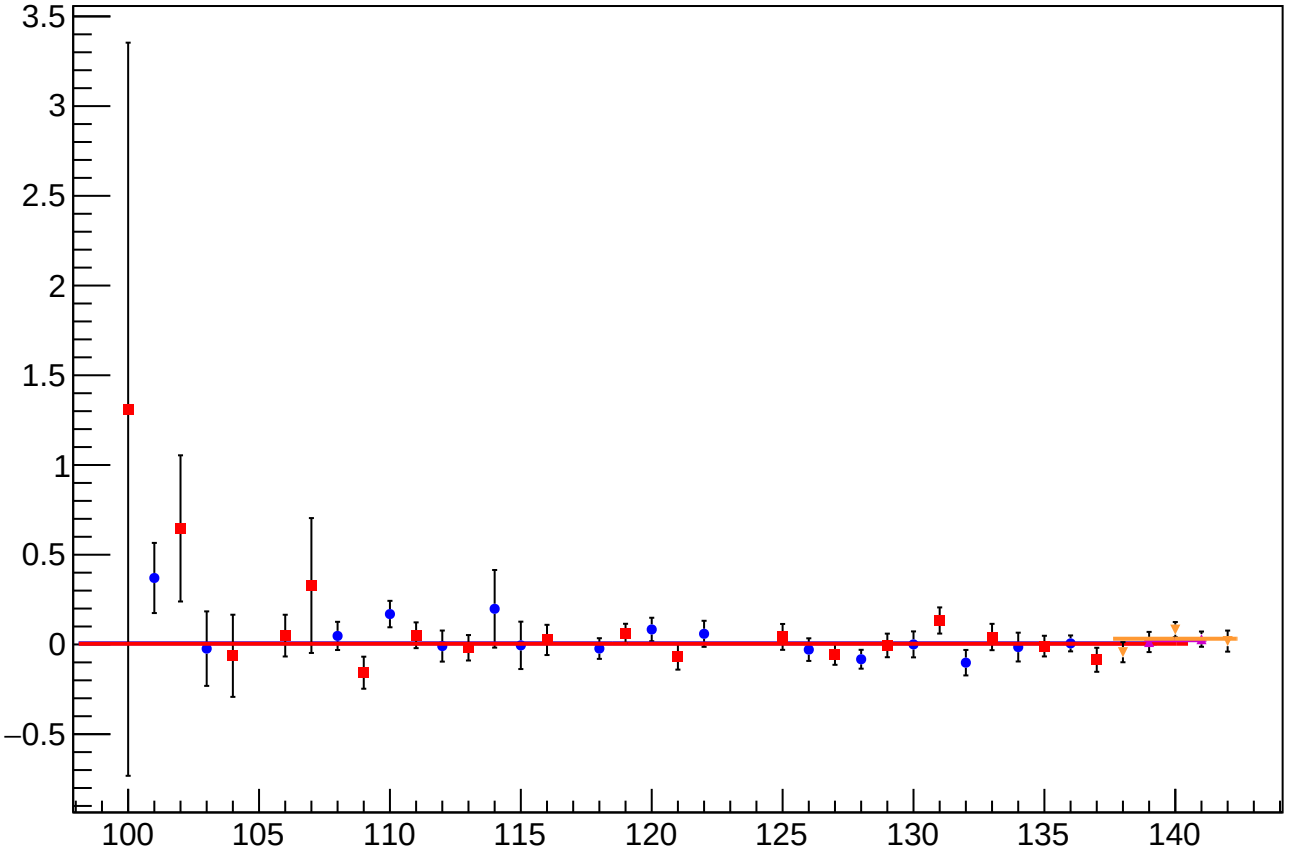
In: -0.000+/-0.000 χ^2/NDF:17.7/17

Out: 0.000+/-0.000 χ^2/NDF:21.9/20

All: 0.000+/-0.000 χ^2/NDF: 40.1/38


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:350156.8/2
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:200514.5/1
Left: 0.000+/-0.000 χ²/NDF: 609608.1/4
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:3227474.6/17
Out: 0.000+/-0.000 χ²/NDF:4339241.0/20
All: 0.000+/-0.000 χ²/NDF: 7669954.0/38

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.028+/-0.022 χ^2/NDF: 3.3/4

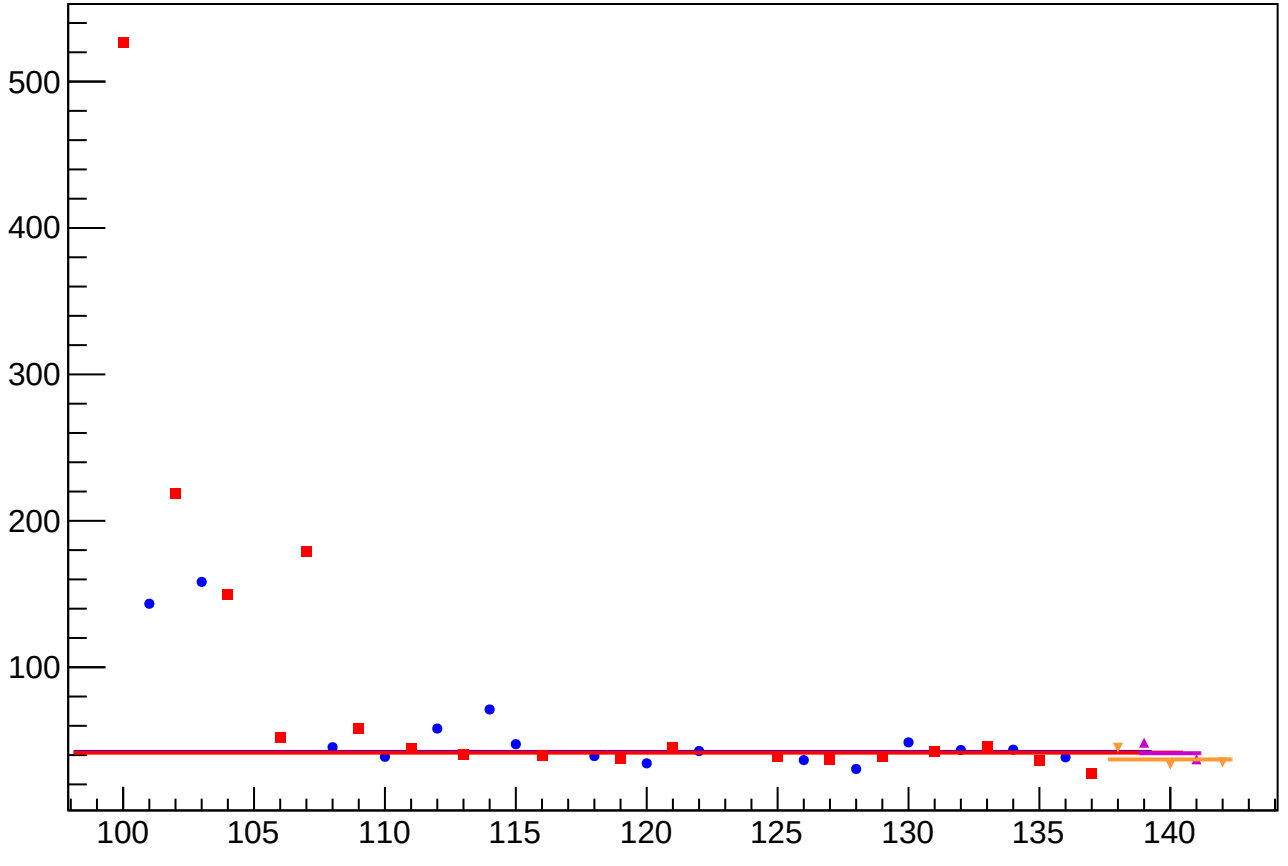
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.011+/-0.011 χ^2/NDF: 37.7/38

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: 37.030+/-0.021 χ^2/NDF:57241.4/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.280+/-0.024 χ^2/NDF:51877.6/1

Left: 38.848+/-0.016 χ^2/NDF: 127073.5/4

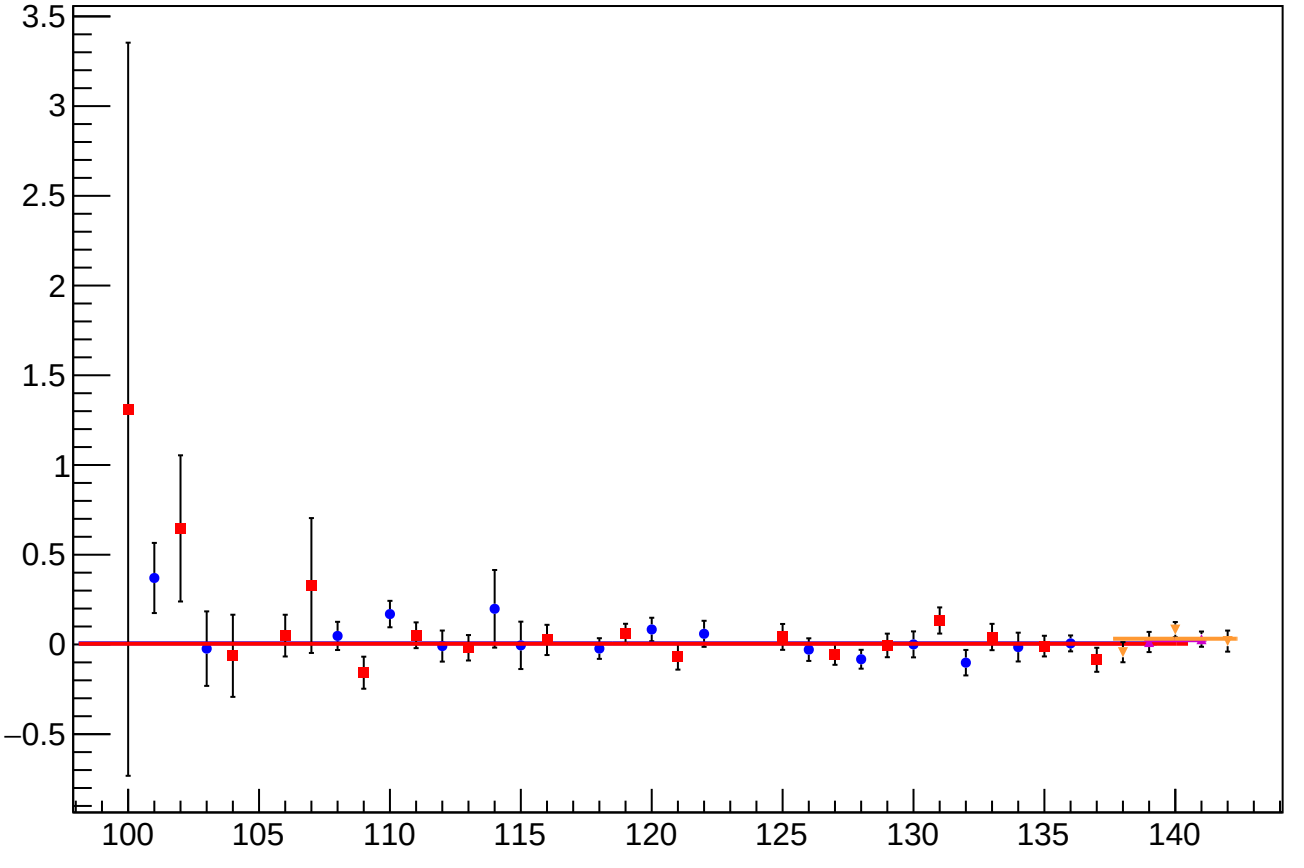
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.967+/-0.011 χ^2/NDF:1507312.9/17

Out: 40.356+/-0.011 χ^2/NDF:1534483.4/20

All: 41.142+/-0.008 χ^2/NDF: 3052061.6/38

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.028+/-0.022 χ^2/NDF: 3.3/4

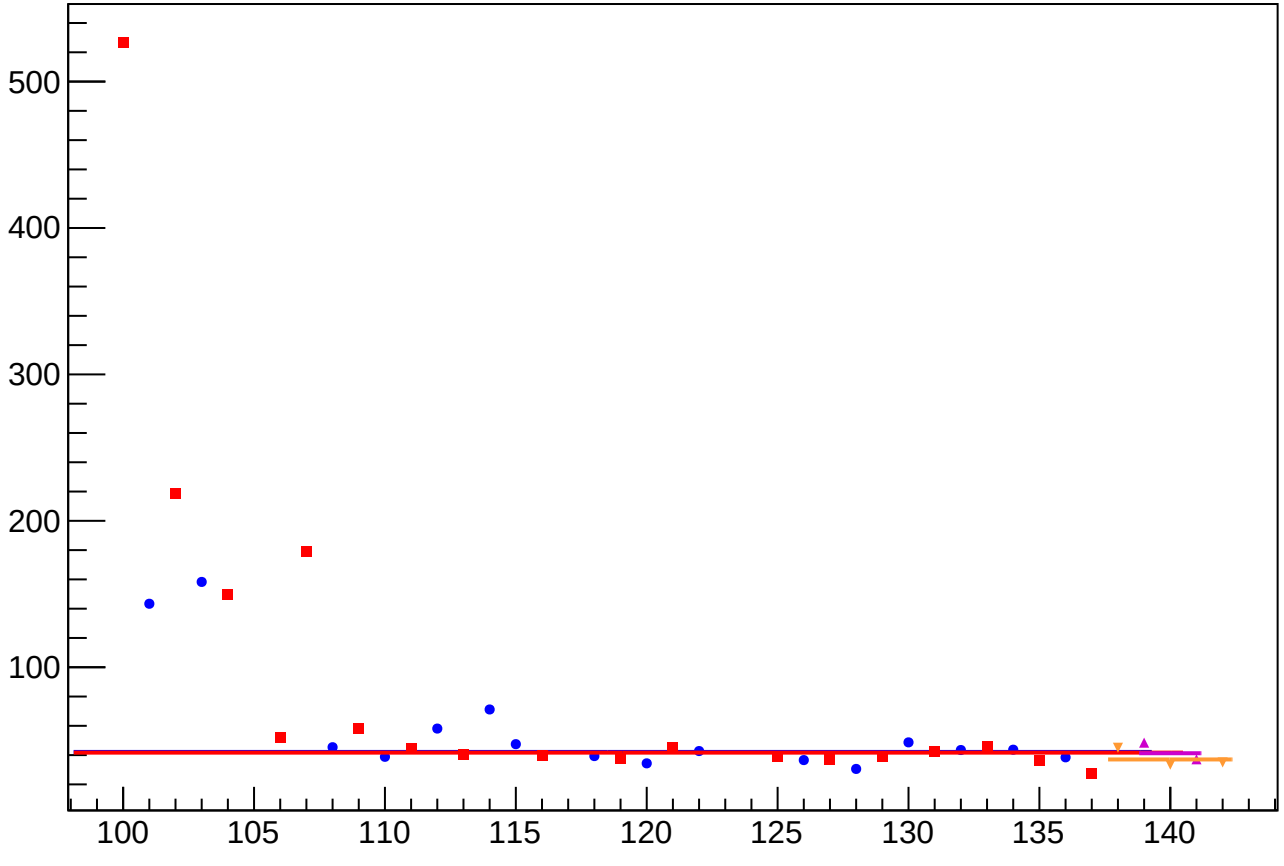
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.011+/-0.011 χ^2/NDF: 37.7/38

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: 37.030+/-0.021 χ^2/NDF:57241.4/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.280+/-0.024 χ^2/NDF:51877.6/1

Left: 38.848+/-0.016 χ^2/NDF: 127073.5/4

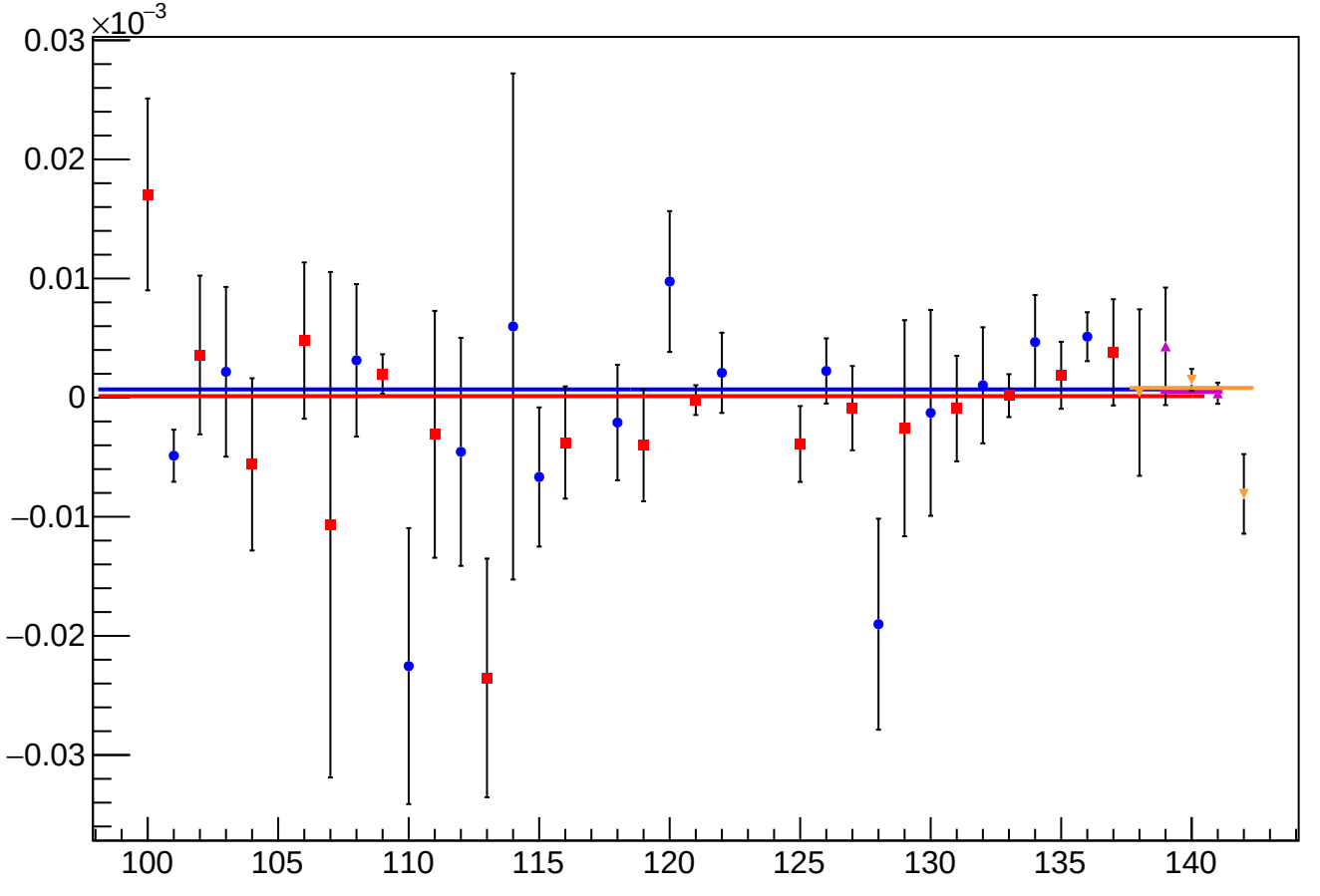
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.967+/-0.011 χ^2/NDF:1507312.9/17

Out: 40.356+/-0.011 χ^2/NDF:1534483.4/20

All: 41.142+/-0.008 χ^2/NDF: 3052061.6/38

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:7.6/2

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: 8.3/4

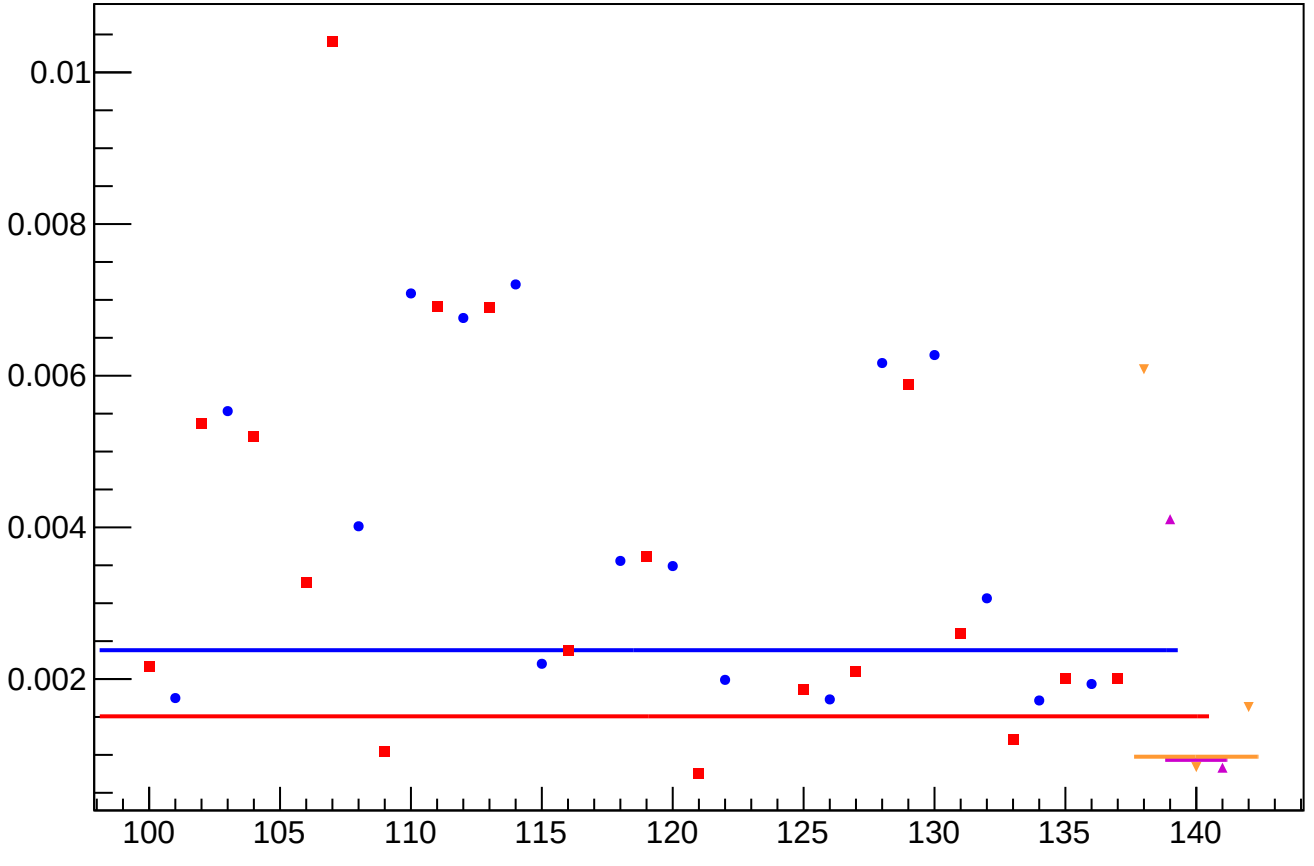
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:27.1/17

Out: 0.000+/-0.000 χ^2/NDF:25.4/20

All: 0.000+/-0.000 χ^2/NDF: 52.6/38

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:1189765.3/2

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:854659.9/1

Left: 0.001+/-0.000 χ^2/NDF: 2046696.4/4

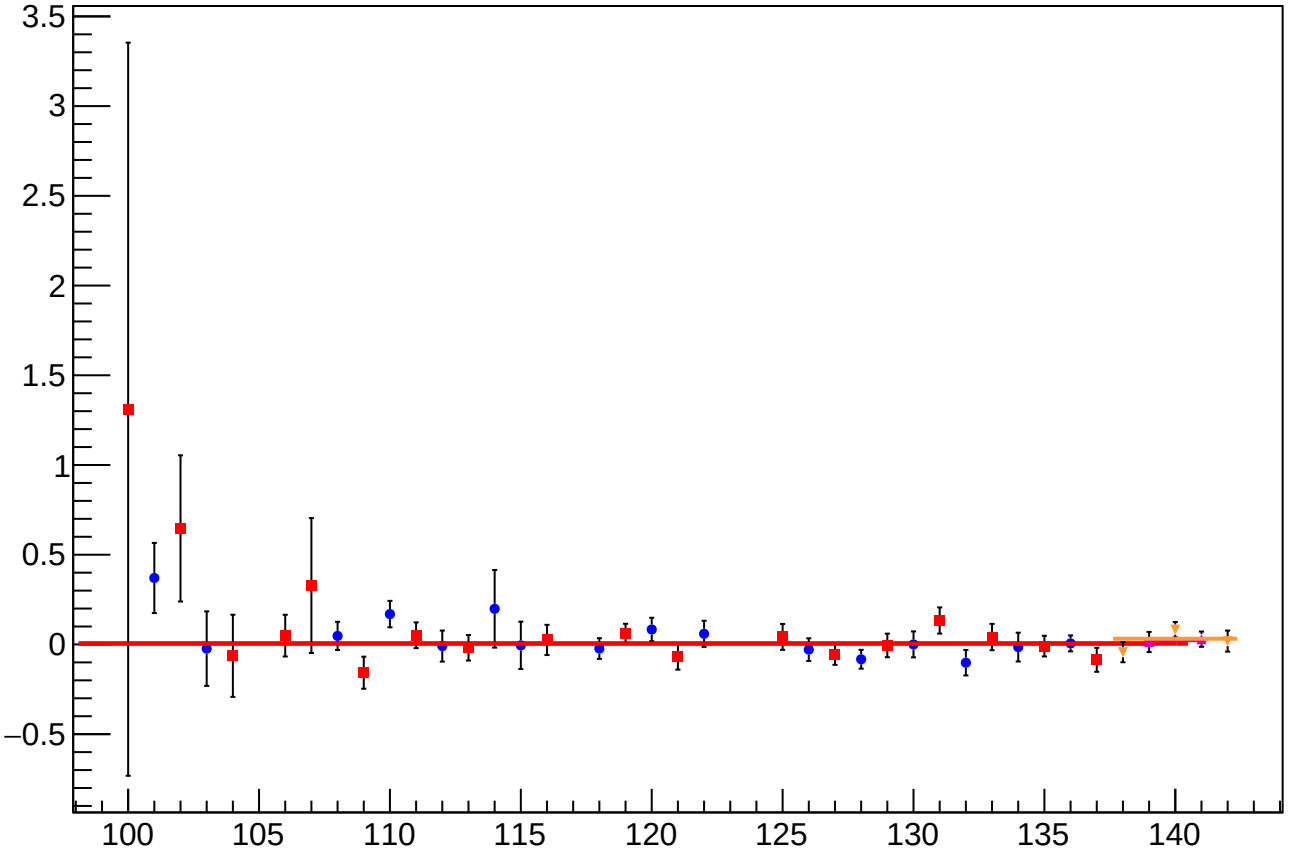
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6013221.0/17

Out: 0.001+/-0.000 χ^2/NDF:6631076.7/20

All: 0.001+/-0.000 χ^2/NDF: 12816363.9/38

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.028+/-0.022 χ^2/NDF: 3.3/4

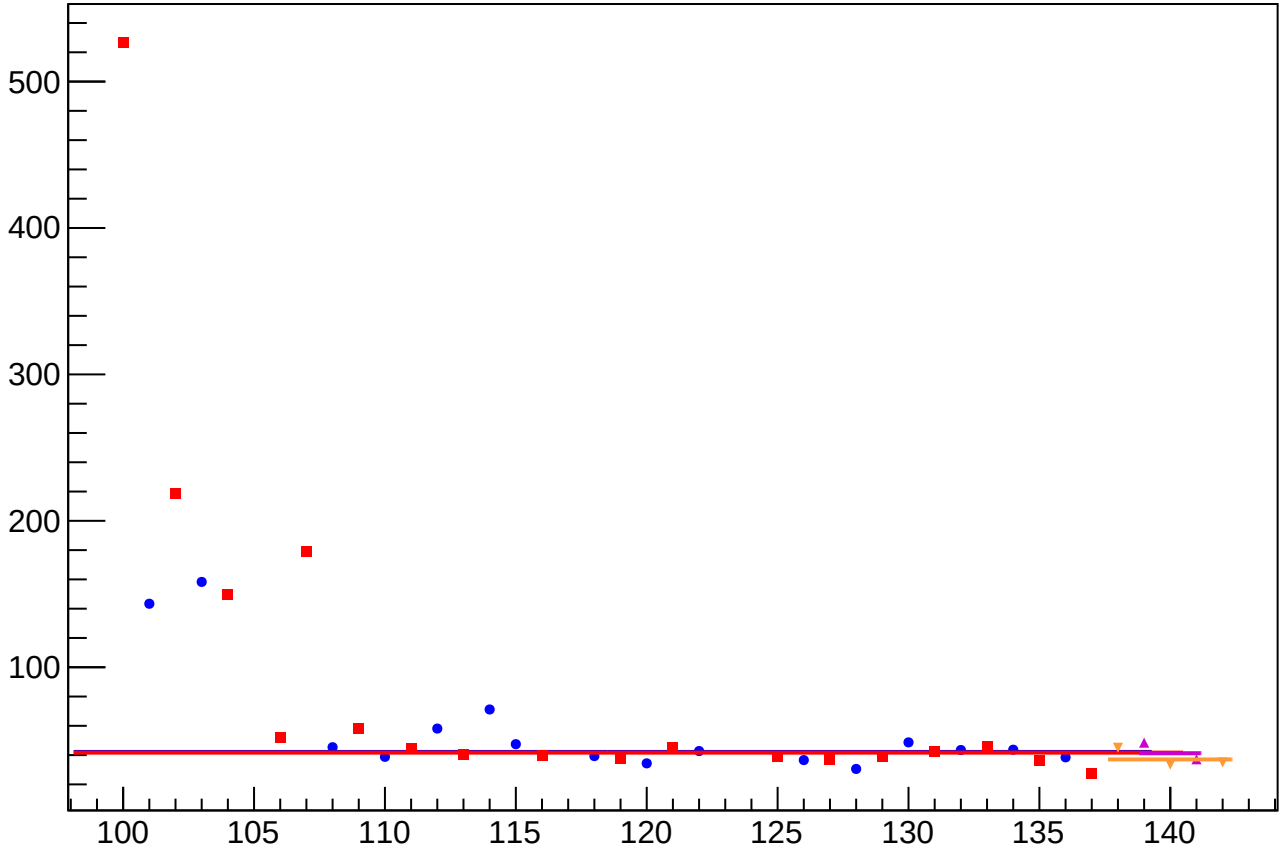
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.011+/-0.011 χ^2/NDF: 37.7/38

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: 37.030+/-0.021 χ^2/NDF:57224.7/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.280+/-0.024 χ^2/NDF:51884.0/1

Left: 38.848+/-0.016 χ^2/NDF: 127062.0/4

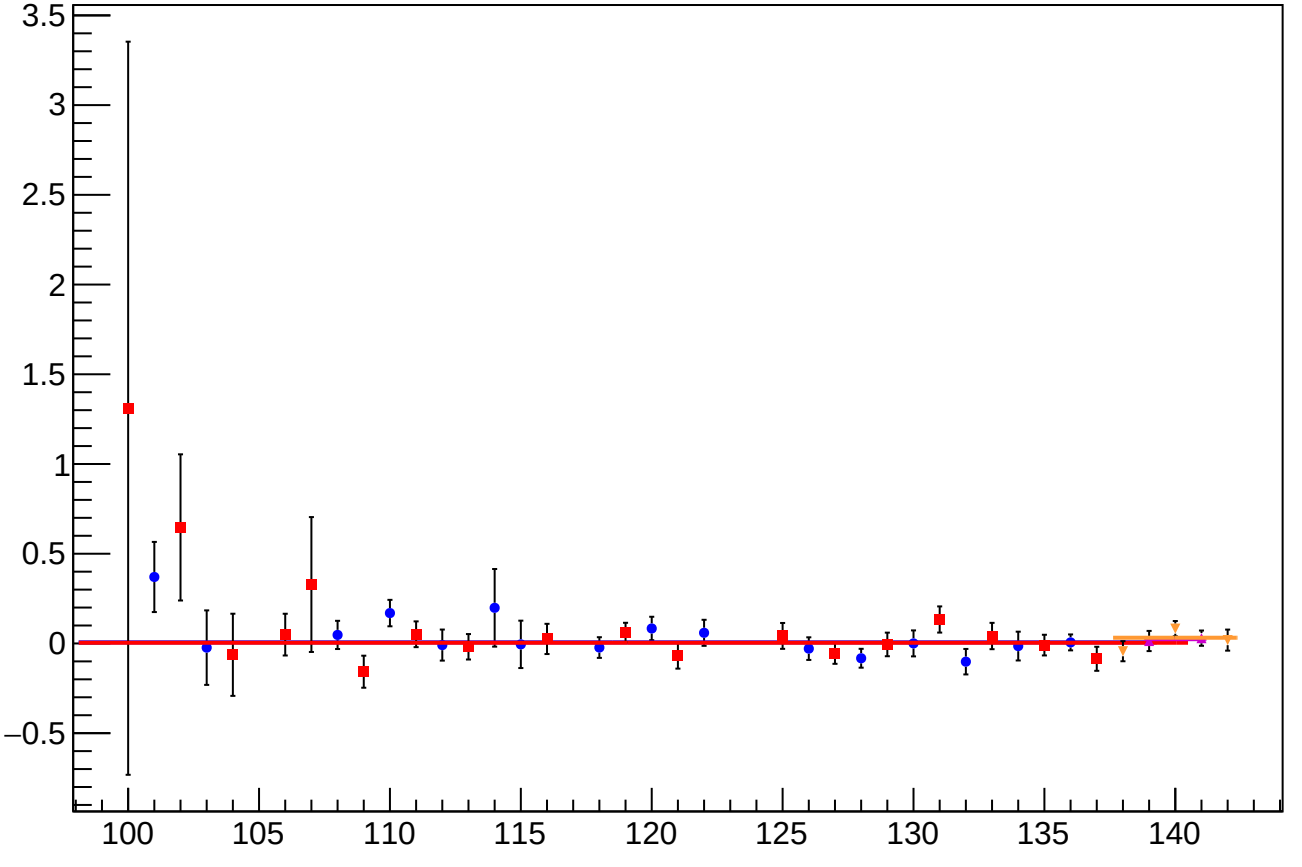
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.965+/-0.011 χ^2/NDF:1507526.6/17

Out: 40.357+/-0.011 χ^2/NDF:1534446.8/20

All: 41.142+/-0.008 χ^2/NDF: 3052210.0/38

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: 0.032+/-0.029 χ^2/NDF:3.3/2

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.024+/-0.034 χ^2/NDF:0.1/1

Left: 0.028+/-0.022 χ^2/NDF: 3.3/4

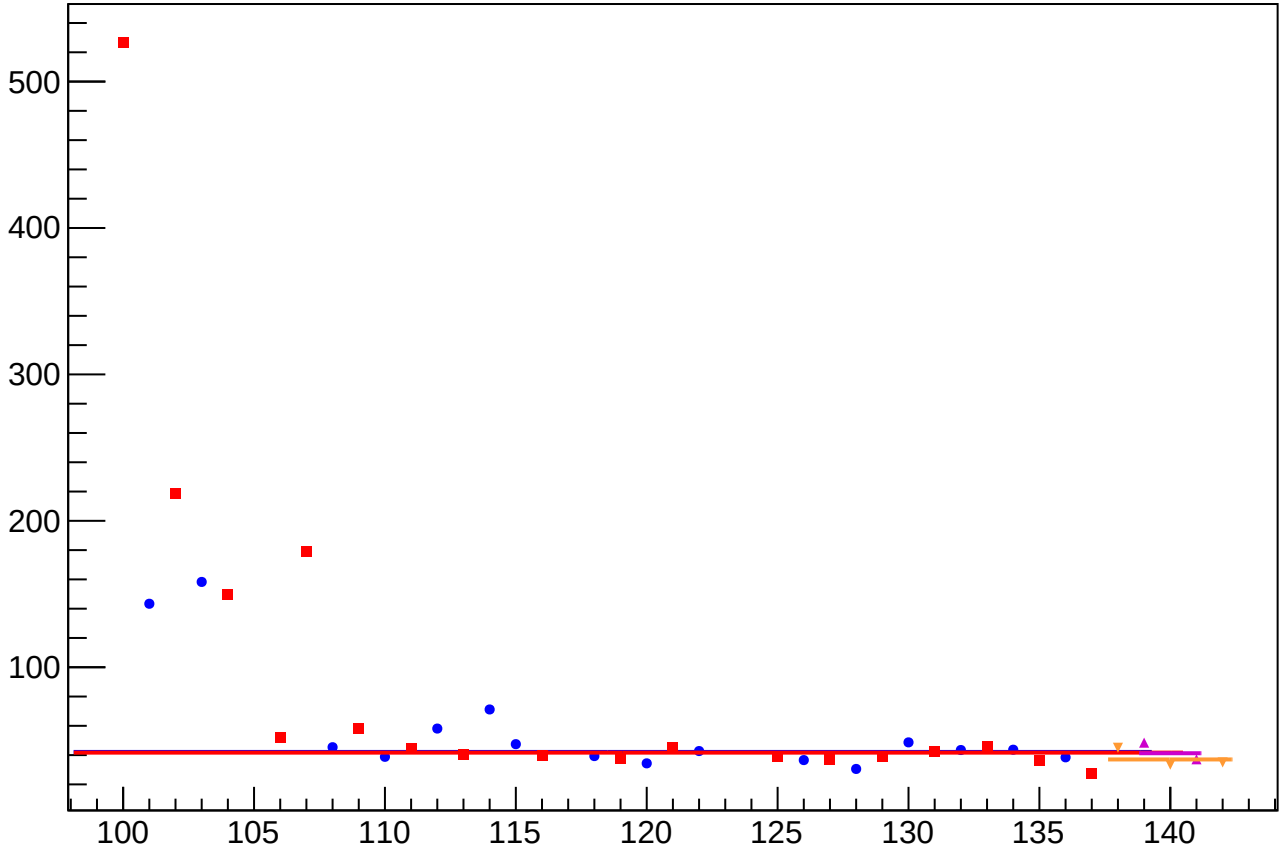
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.010+/-0.016 χ^2/NDF:17.5/17

Out: 0.012+/-0.016 χ^2/NDF:20.2/20

All: 0.011+/-0.011 χ^2/NDF: 37.7/38

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: 37.030+/-0.021 χ^2/NDF:57224.7/2

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.280+/-0.024 χ^2/NDF:51884.0/1

Left: 38.848+/-0.016 χ^2/NDF: 127062.0/4

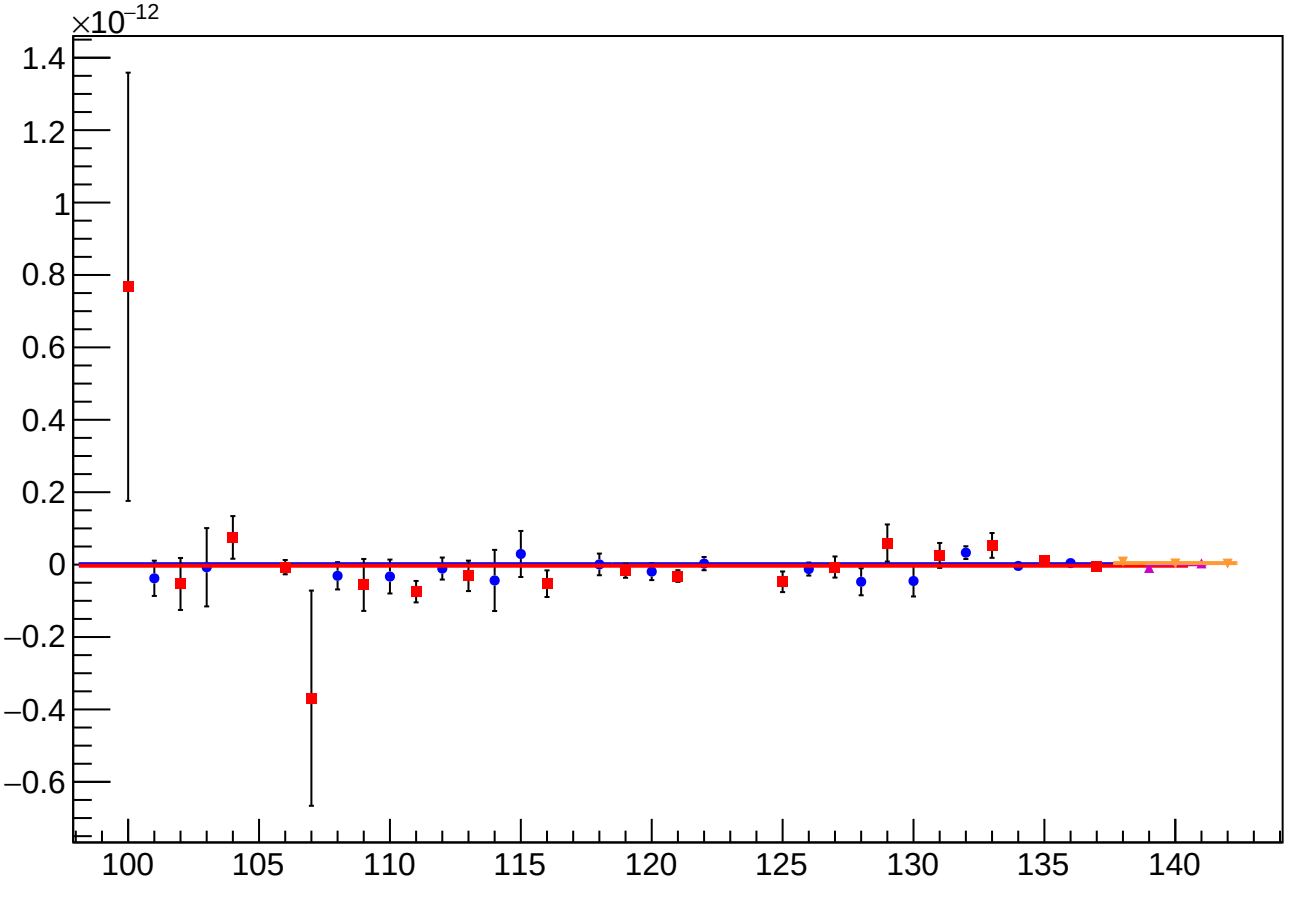
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.965+/-0.011 χ^2/NDF:1507526.6/17

Out: 40.357+/-0.011 χ^2/NDF:1534446.8/20

All: 41.142+/-0.008 χ^2/NDF: 3052210.0/38

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:1.0/2

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.6/1

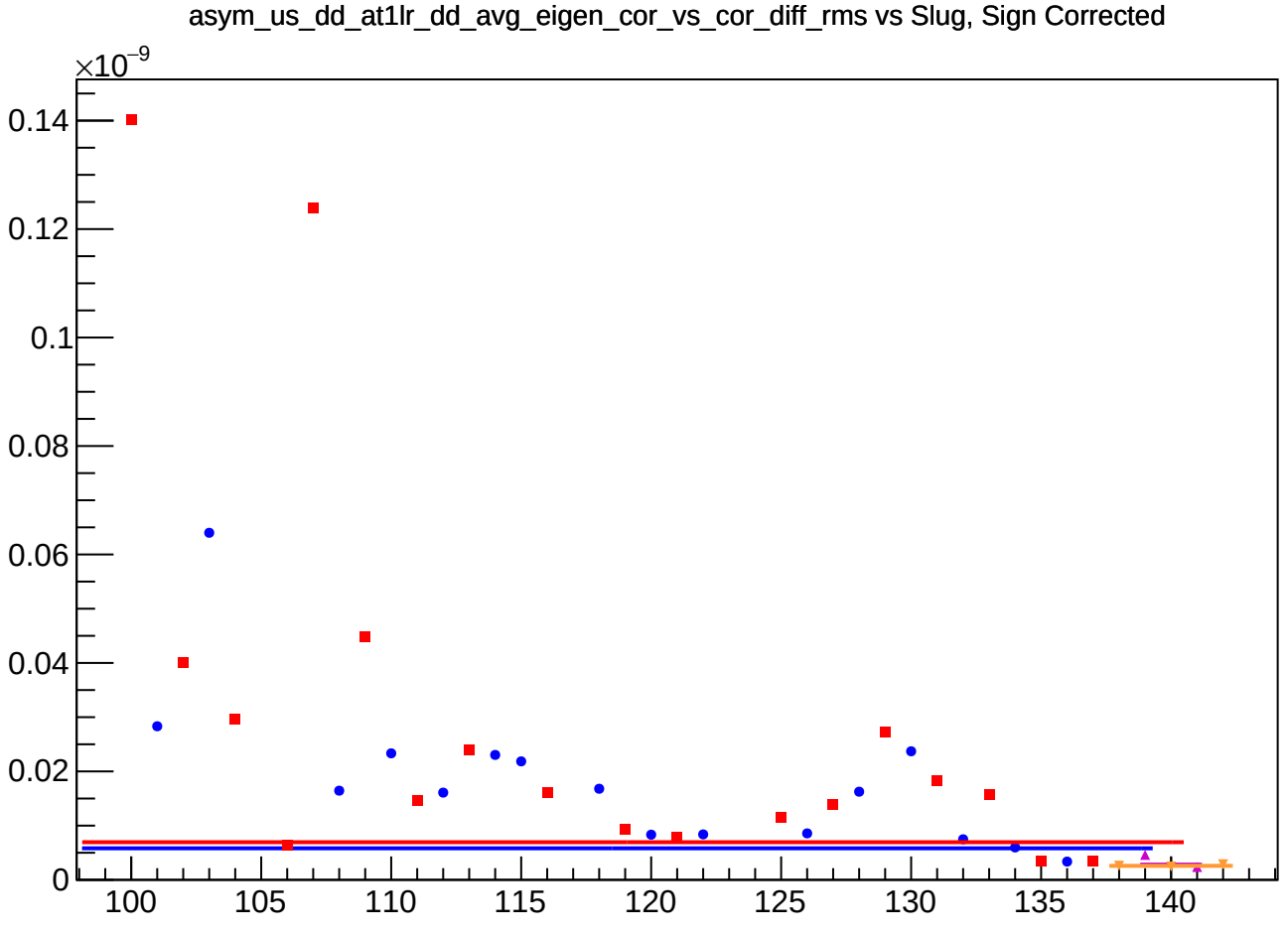
Left: 0.000+/-0.000 χ^2/NDF: 4.3/4

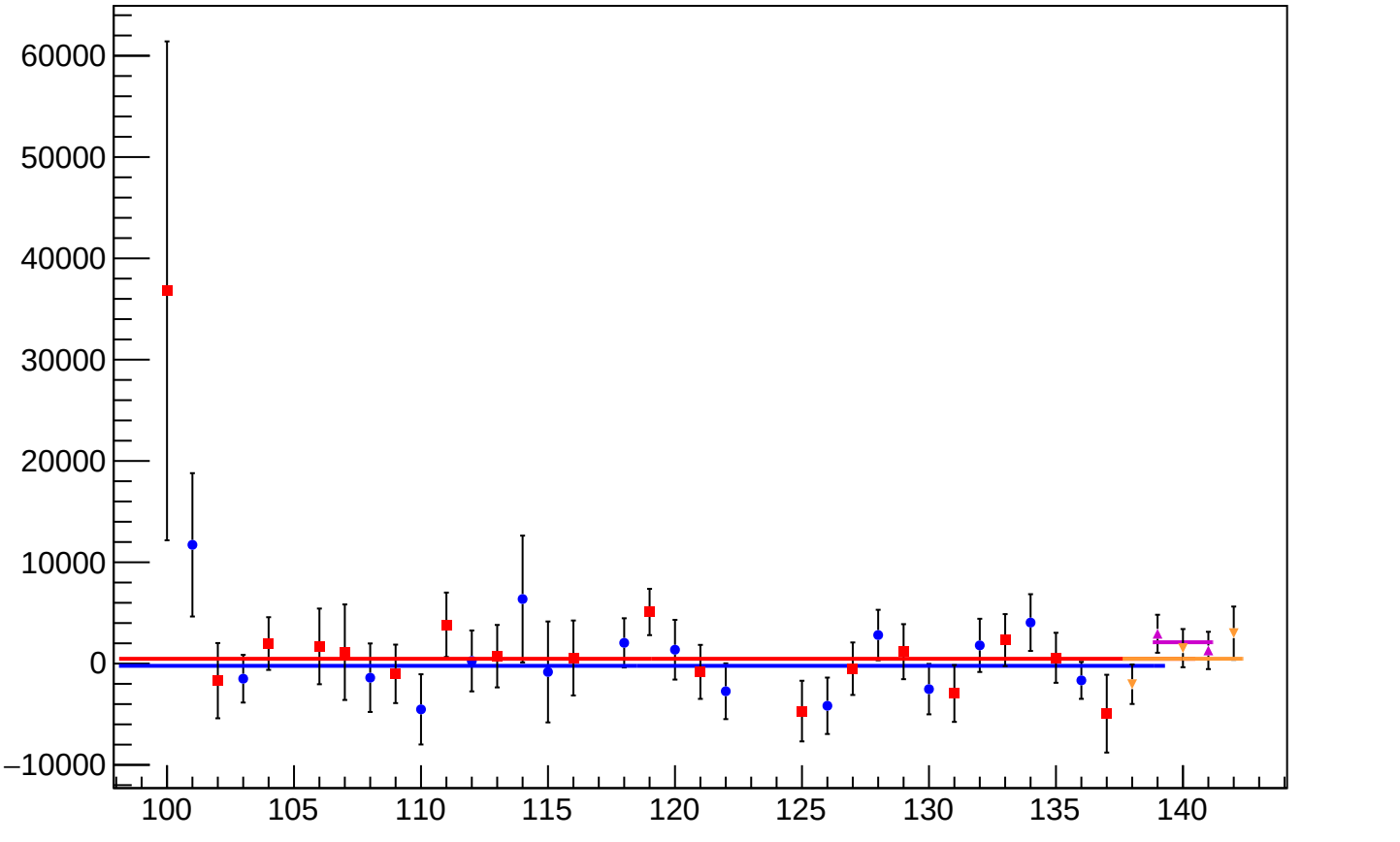
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:13.1/17

Out: 0.000+/-0.000 χ^2/NDF:31.7/20

All: 0.000+/-0.000 χ^2/NDF: 45.1/38


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:8001.0/2
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: 178256.9/4
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:5133964.8/20
All: 0.000+/-0.000 χ²/NDF: 9358909.5/38



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 476.702+/-1204.465 χ^2/NDF:2.9/2

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 2106.078+/-1314.234 χ^2/NDF:0.4/1

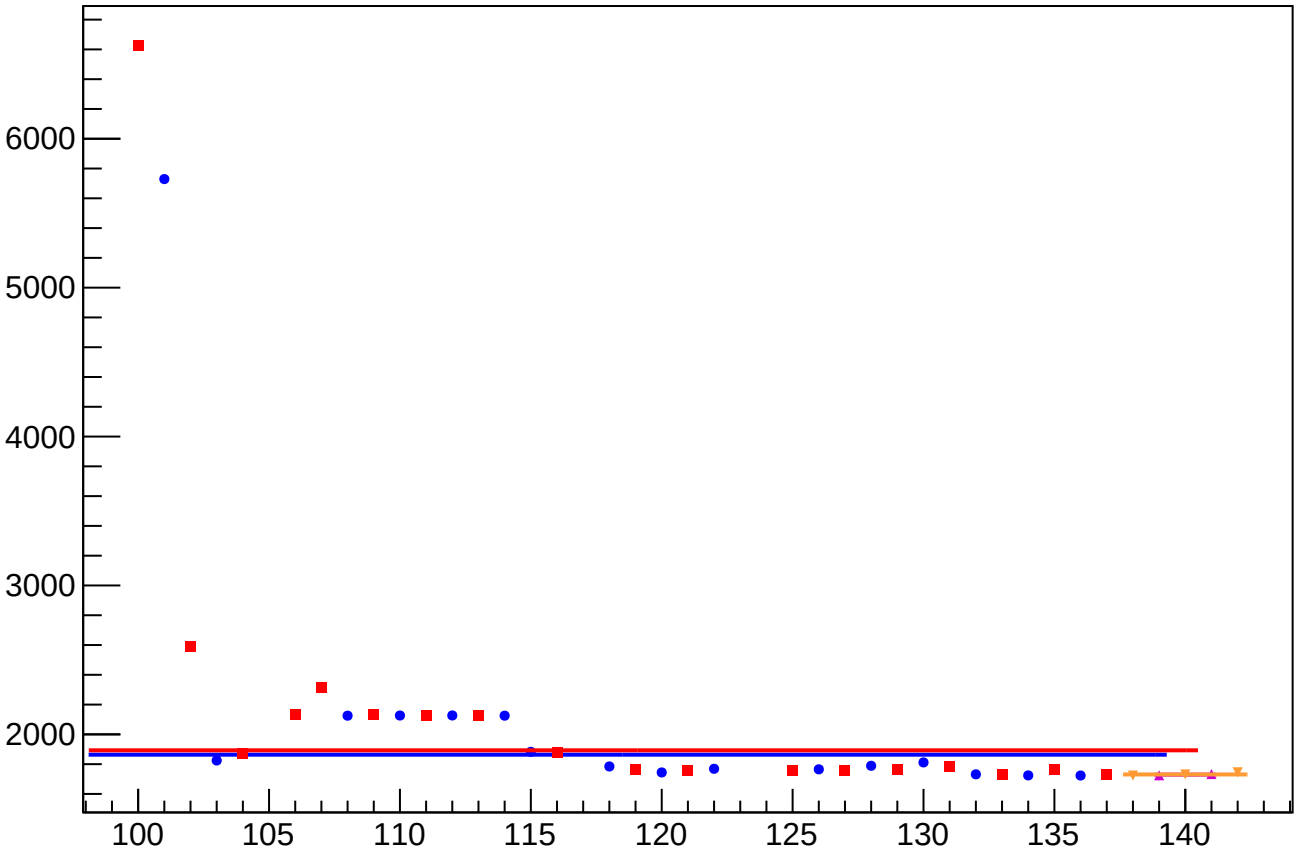
Left: 1220.514+/-887.961 χ^2/NDF: 4.1/4

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 302.229+/-624.092 χ^2/NDF:18.7/17

Out: 473.520+/-612.585 χ^2/NDF:18.8/20

All: 389.468+/-437.174 χ^2/NDF: 37.5/38



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

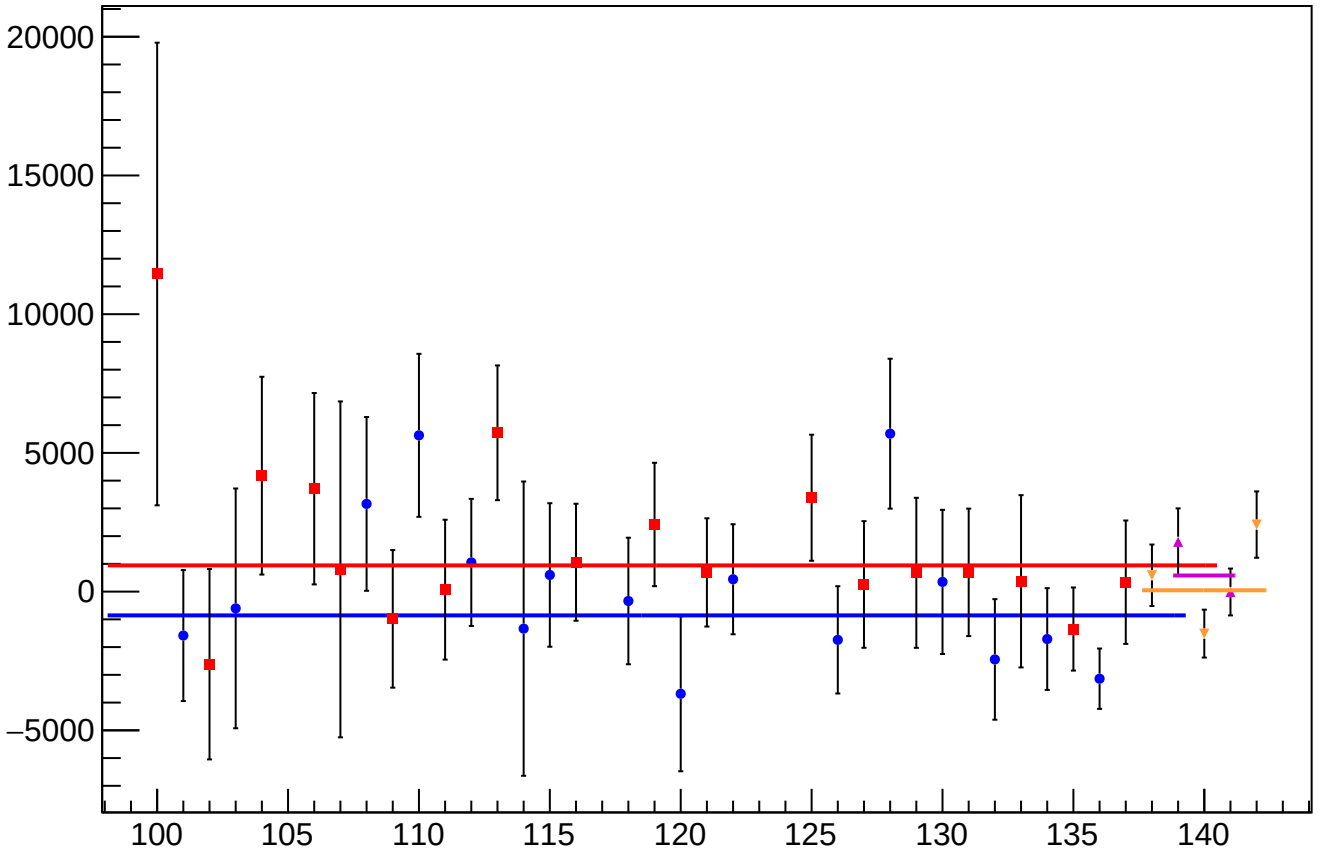
Left: 1730.212+/-0.628 χ^2/NDF: 111.9/4

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1833.347+/-0.441 χ^2/NDF:690807.9/17

Out: 1850.946+/-0.433 χ^2/NDF:278444.5/20

All: 1842.310+/-0.309 χ^2/NDF: 970062.4/38



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 48.111+/-591.903 χ^2/NDF:7.4/2

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 580.671+/-691.364 χ^2/NDF:1.5/1

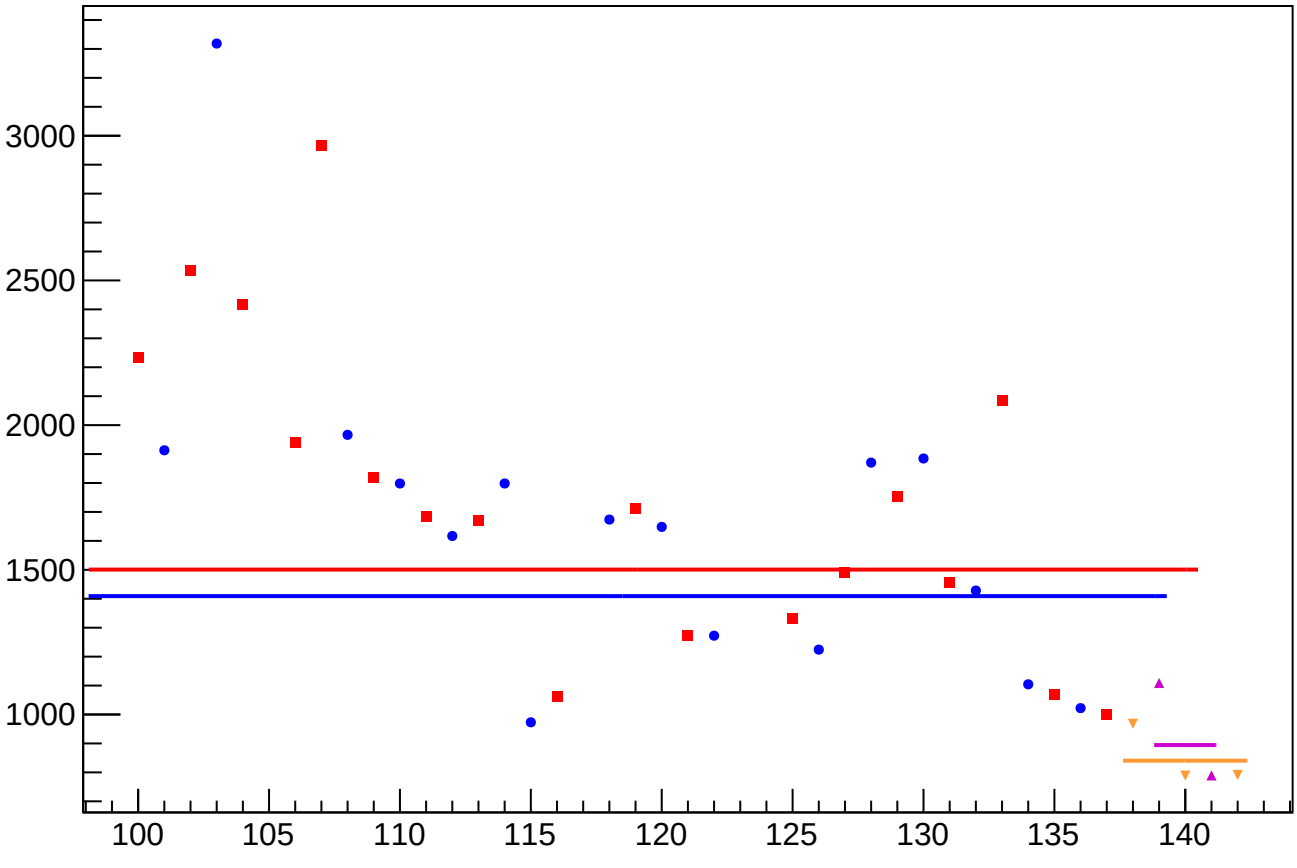
Left: 273.361+/-449.629 χ^2/NDF: 9.3/4

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -300.227+/-430.315 χ^2/NDF:24.8/17

Out: 502.465+/-415.704 χ^2/NDF:21.5/20

All: 114.977+/-298.979 χ^2/NDF: 48.1/38



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 840.462+/-0.419 χ^2/NDF:37068.3/2

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 894.456+/-0.489 χ^2/NDF:94174.9/1

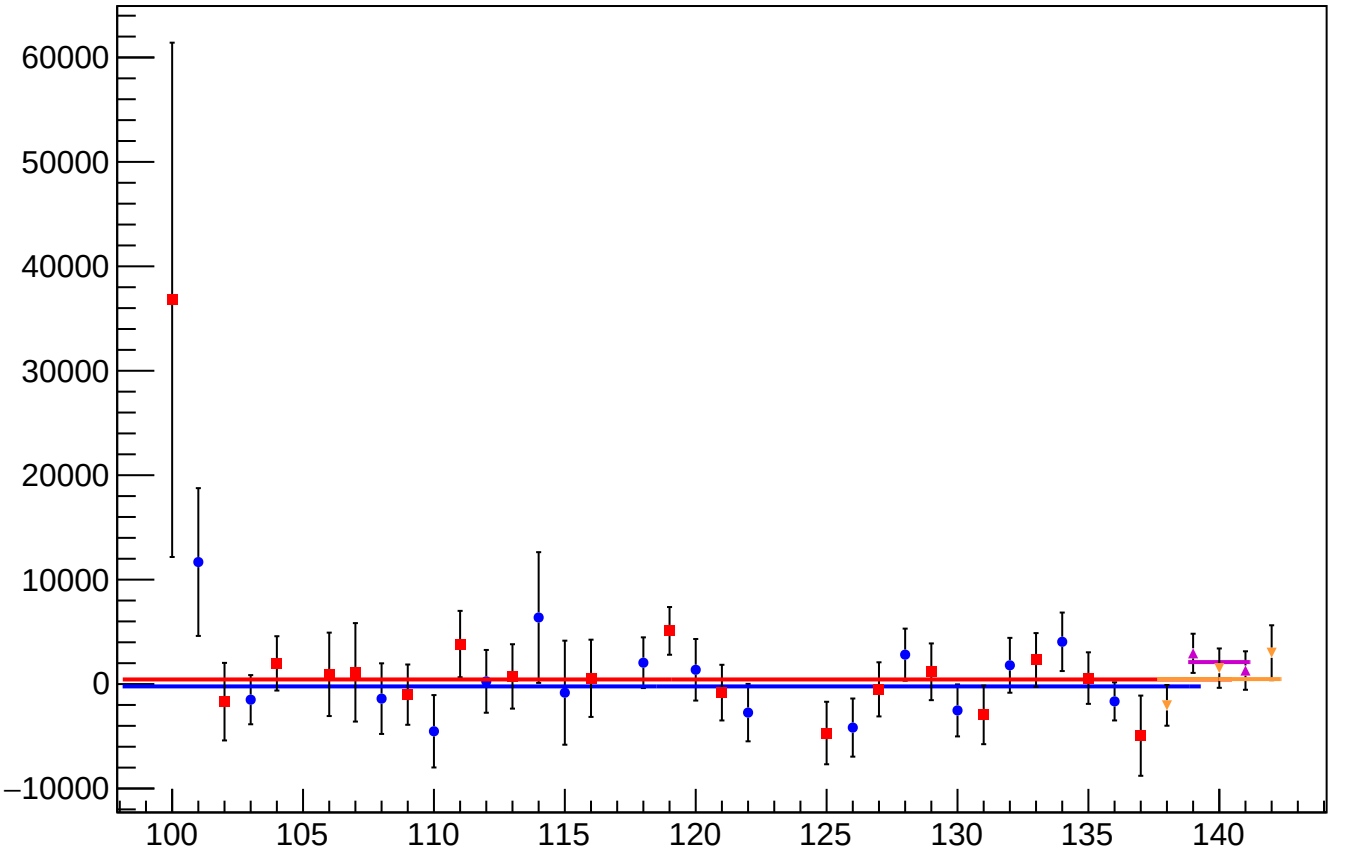
Left: 863.299+/-0.318 χ^2/NDF: 138282.4/4

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1209.725+/-0.304 χ^2/NDF:1940771.9/17

Out: 1175.088+/-0.294 χ^2/NDF:2329242.8/20

All: 1191.808+/-0.211 χ^2/NDF: 4276717.3/38



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 476.774+/-1204.465 χ^2/NDF:2.9/2

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 2105.997+/-1314.234 χ^2/NDF:0.4/1

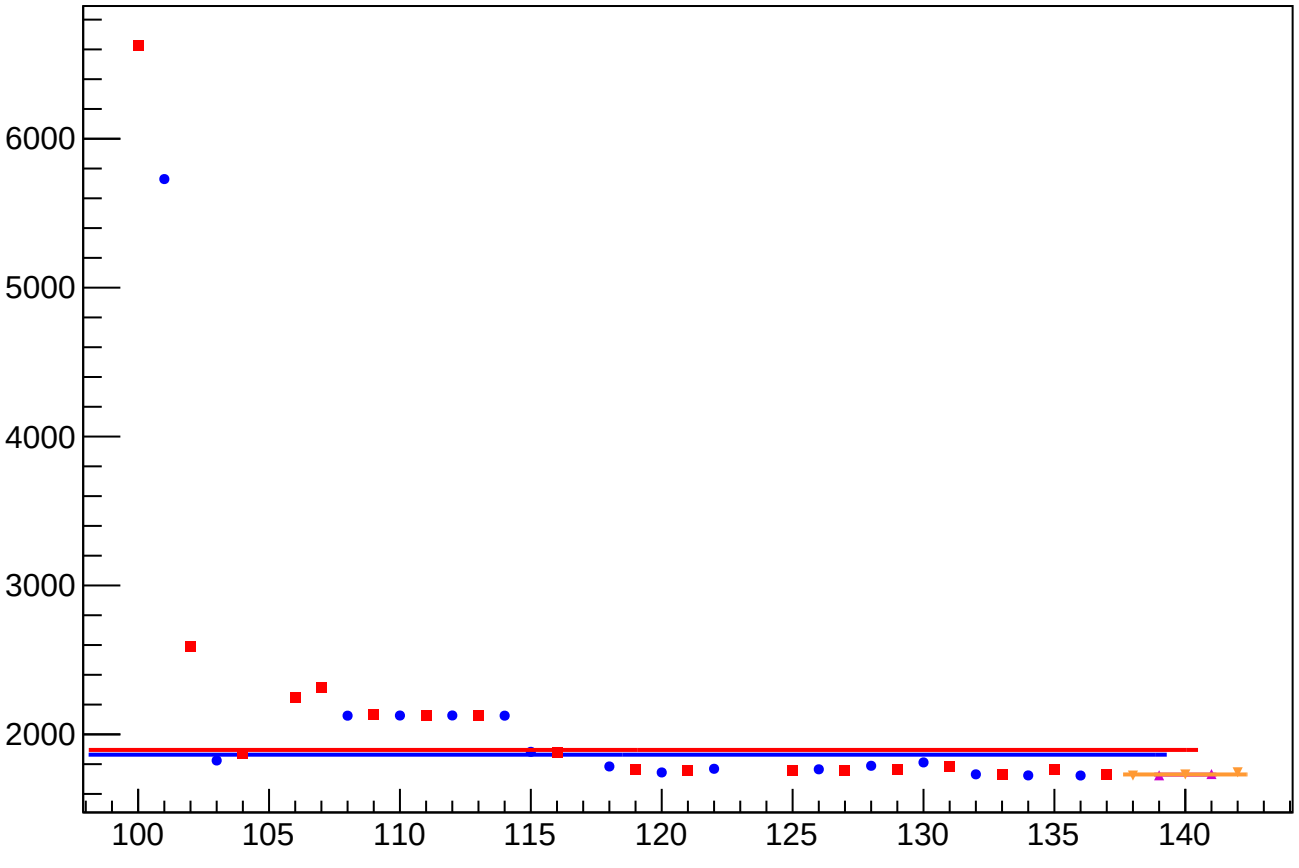
Left: 1220.516+/-887.961 χ^2/NDF: 4.1/4

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 301.611+/-624.092 χ^2/NDF:18.6/17

Out: 451.782+/-613.620 χ^2/NDF:18.7/20

All: 377.967+/-437.550 χ^2/NDF: 37.3/38



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

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: 1730.212+/-0.628 χ^2/NDF: 111.9/4

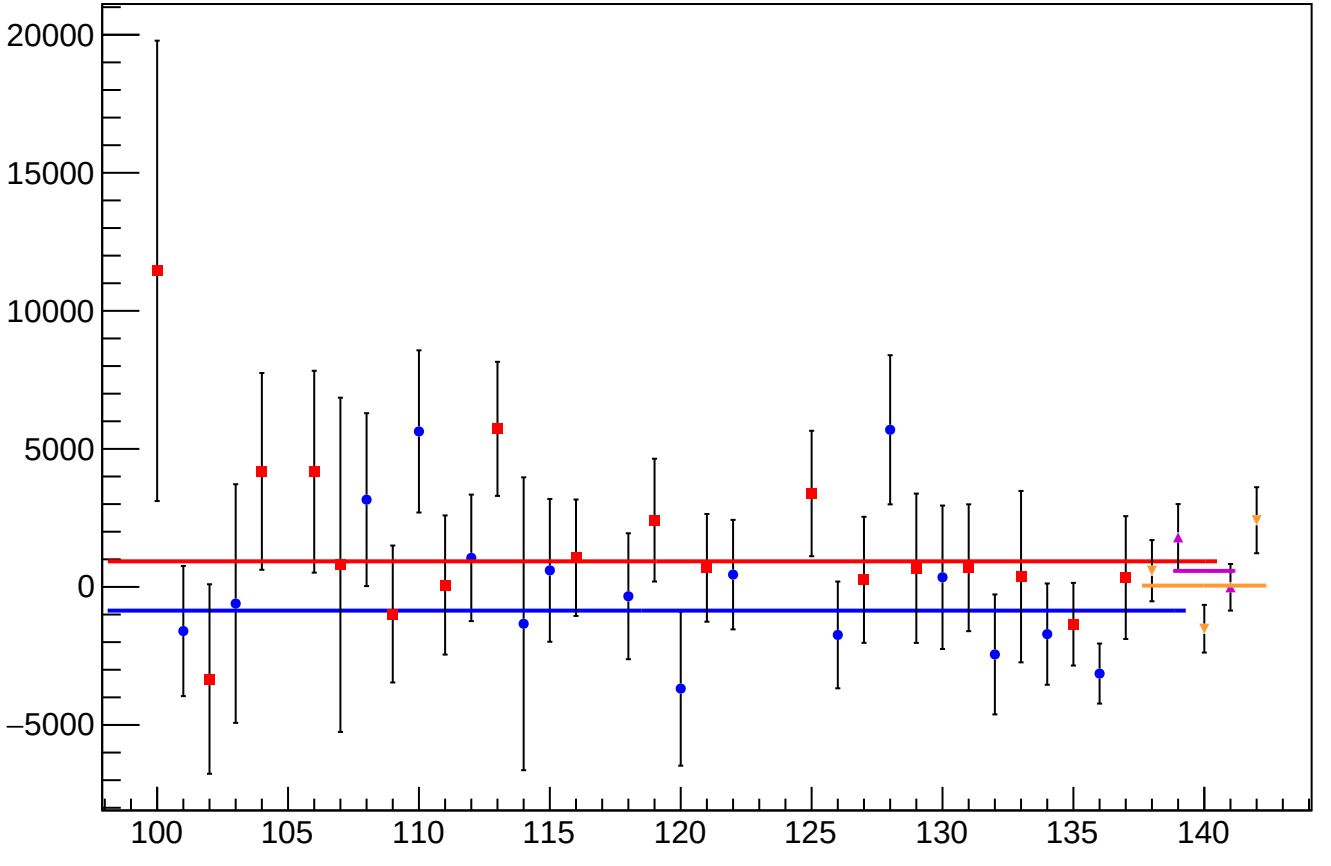
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1833.347+/-0.441 χ^2/NDF:690807.8/17

Out: 1852.748+/-0.434 χ^2/NDF:286947.4/20

All: 1843.211+/-0.309 χ^2/NDF: 978737.9/38

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: 48.037+/-591.911 χ^2/NDF:7.4/2

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 580.715+/-691.350 χ^2/NDF:1.5/1

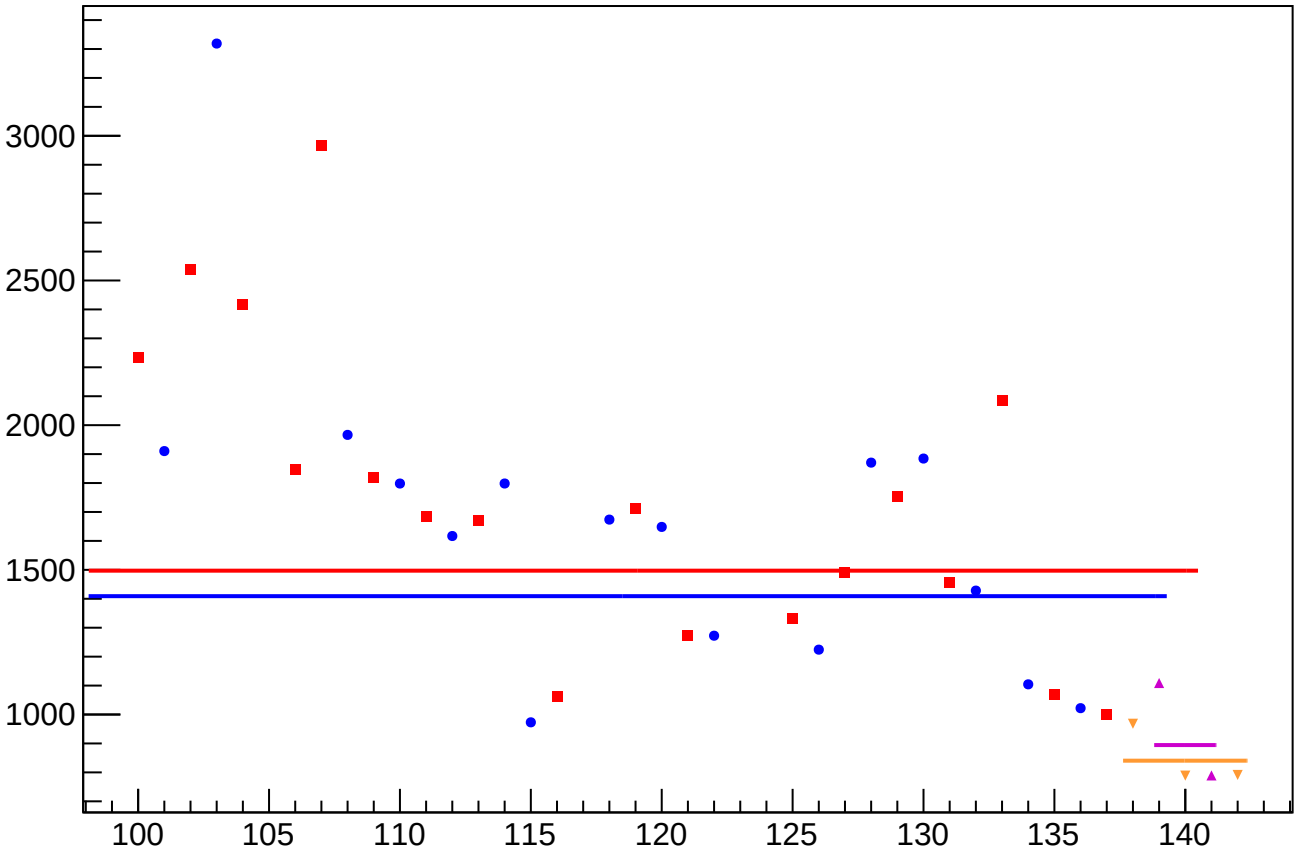
Left: 273.346+/-449.629 χ^2/NDF: 9.3/4

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -300.752+/-430.291 χ^2/NDF:24.8/17

Out: 492.862+/-416.038 χ^2/NDF:22.1/20

All: 109.416+/-299.095 χ^2/NDF: 48.6/38



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 840.475+/-0.419 χ^2/NDF:37055.8/2

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 894.436+/-0.489 χ^2/NDF:94180.9/1

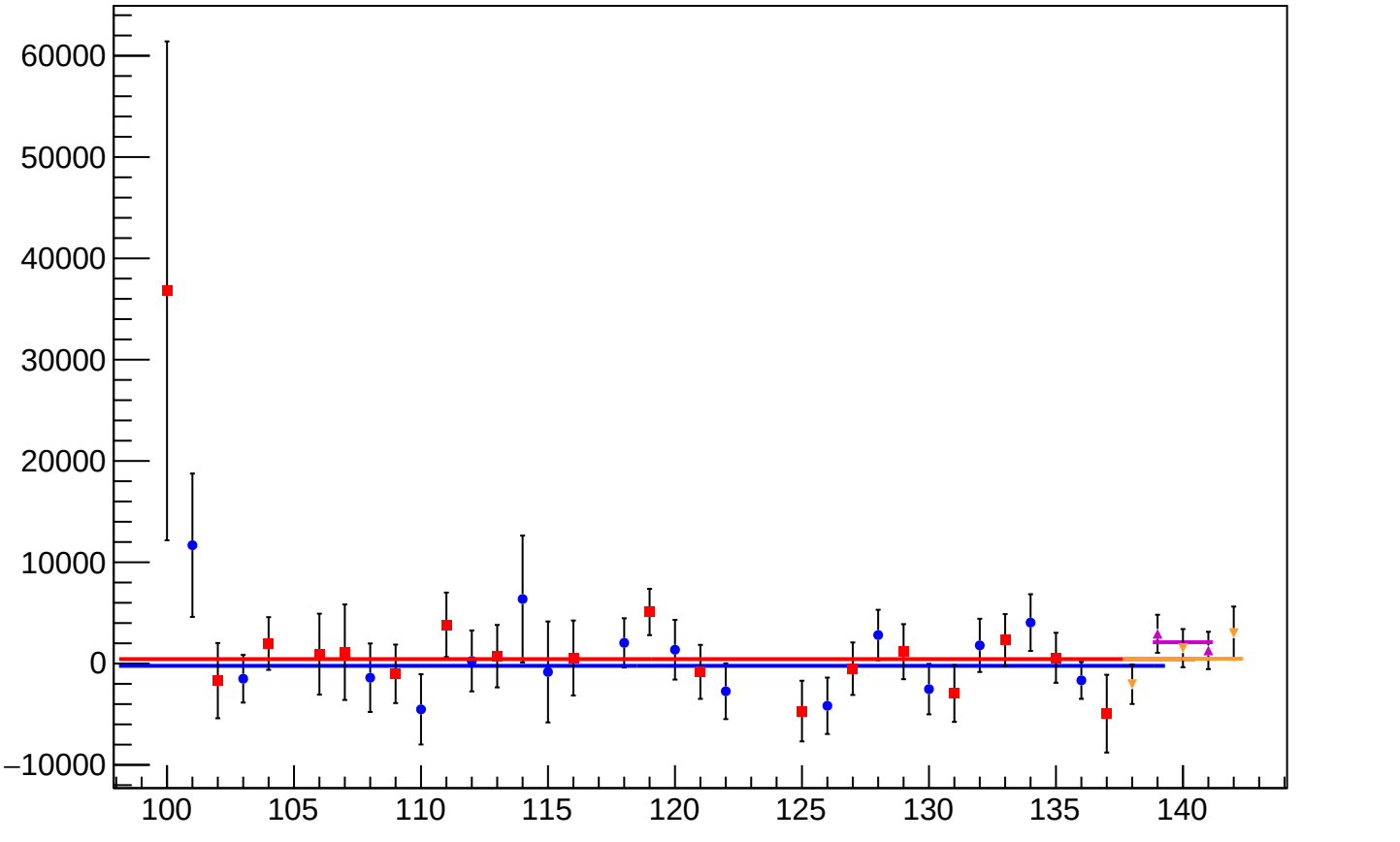
Left: 863.299+/-0.318 χ^2/NDF: 138267.3/4

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1209.684+/-0.304 χ^2/NDF:1940042.7/17

Out: 1172.732+/-0.294 χ^2/NDF:2300669.8/20

All: 1190.585+/-0.211 χ^2/NDF: 4248335.6/38



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 476.774+/-1204.465 χ^2/NDF:2.9/2

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 2105.997+/-1314.234 χ^2/NDF:0.4/1

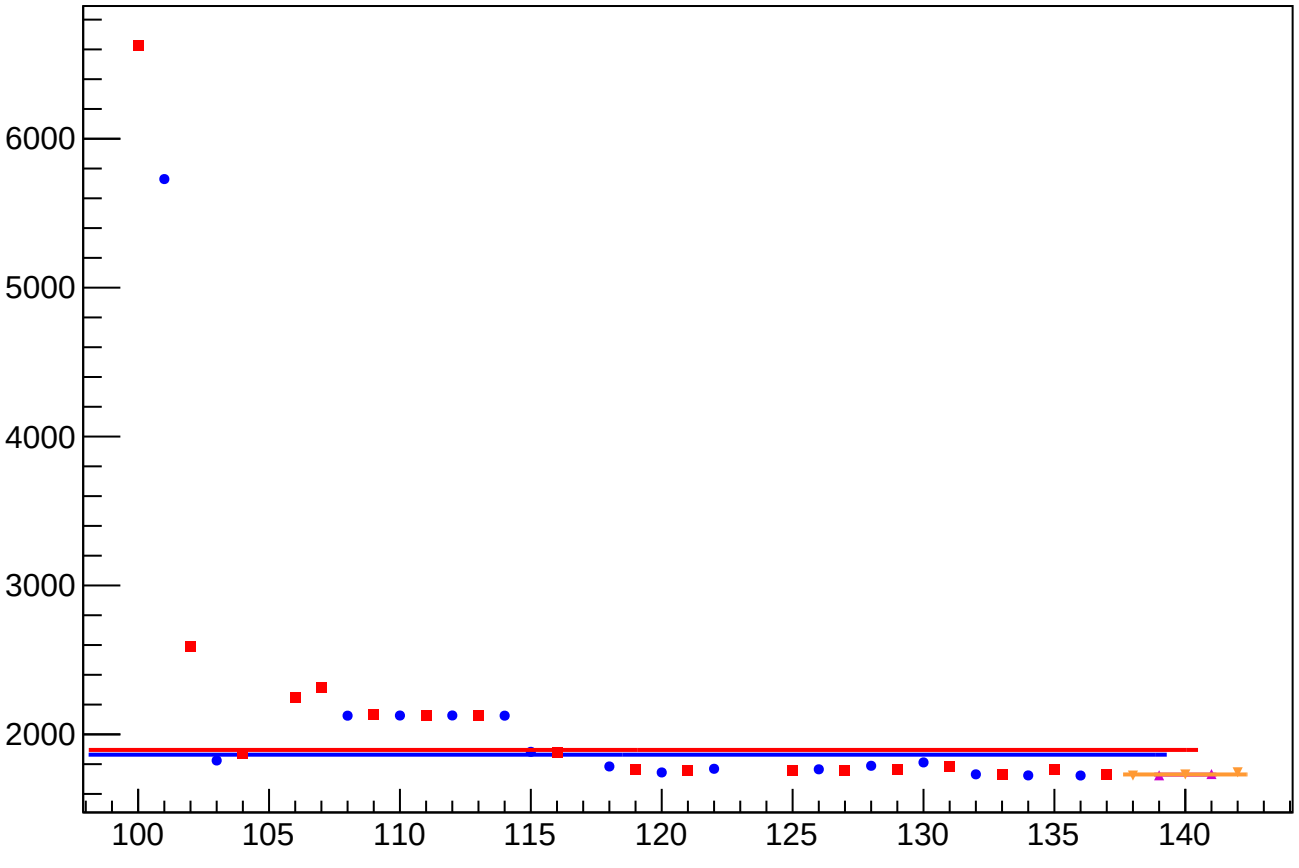
Left: 1220.516+/-887.961 χ^2/NDF: 4.1/4

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 301.611+/-624.092 χ^2/NDF:18.6/17

Out: 451.782+/-613.620 χ^2/NDF:18.7/20

All: 377.967+/-437.550 χ^2/NDF: 37.3/38



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1730.804+/-0.852 χ^2/NDF:89.7/2

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1729.507+/-0.929 χ^2/NDF:21.2/1

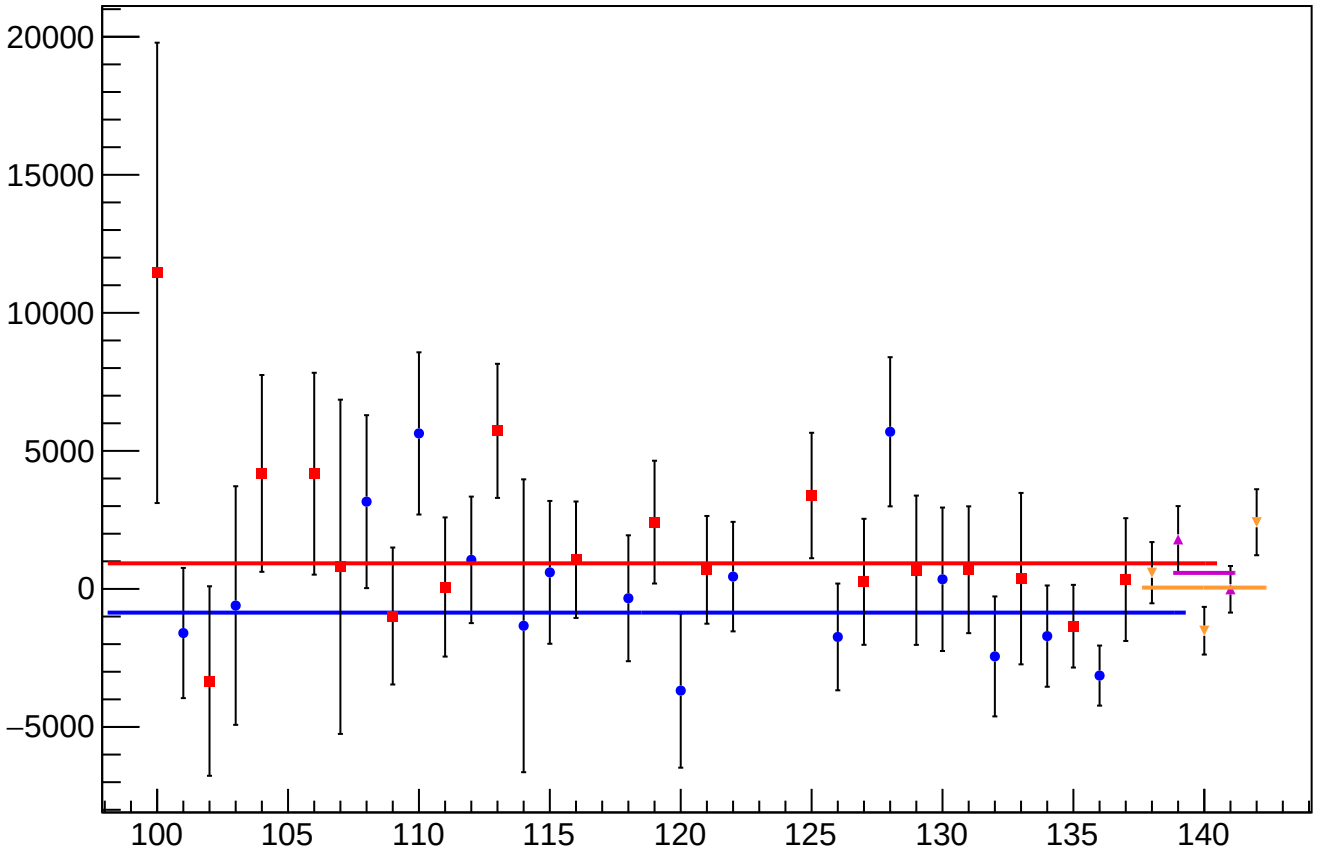
Left: 1730.212+/-0.628 χ^2/NDF: 111.9/4

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1833.347+/-0.441 χ^2/NDF:690807.8/17

Out: 1852.748+/-0.434 χ^2/NDF:286947.4/20

All: 1843.211+/-0.309 χ^2/NDF: 978737.9/38



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 48.037+/-591.911 χ^2/NDF:7.4/2

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 580.715+/-691.350 χ^2/NDF:1.5/1

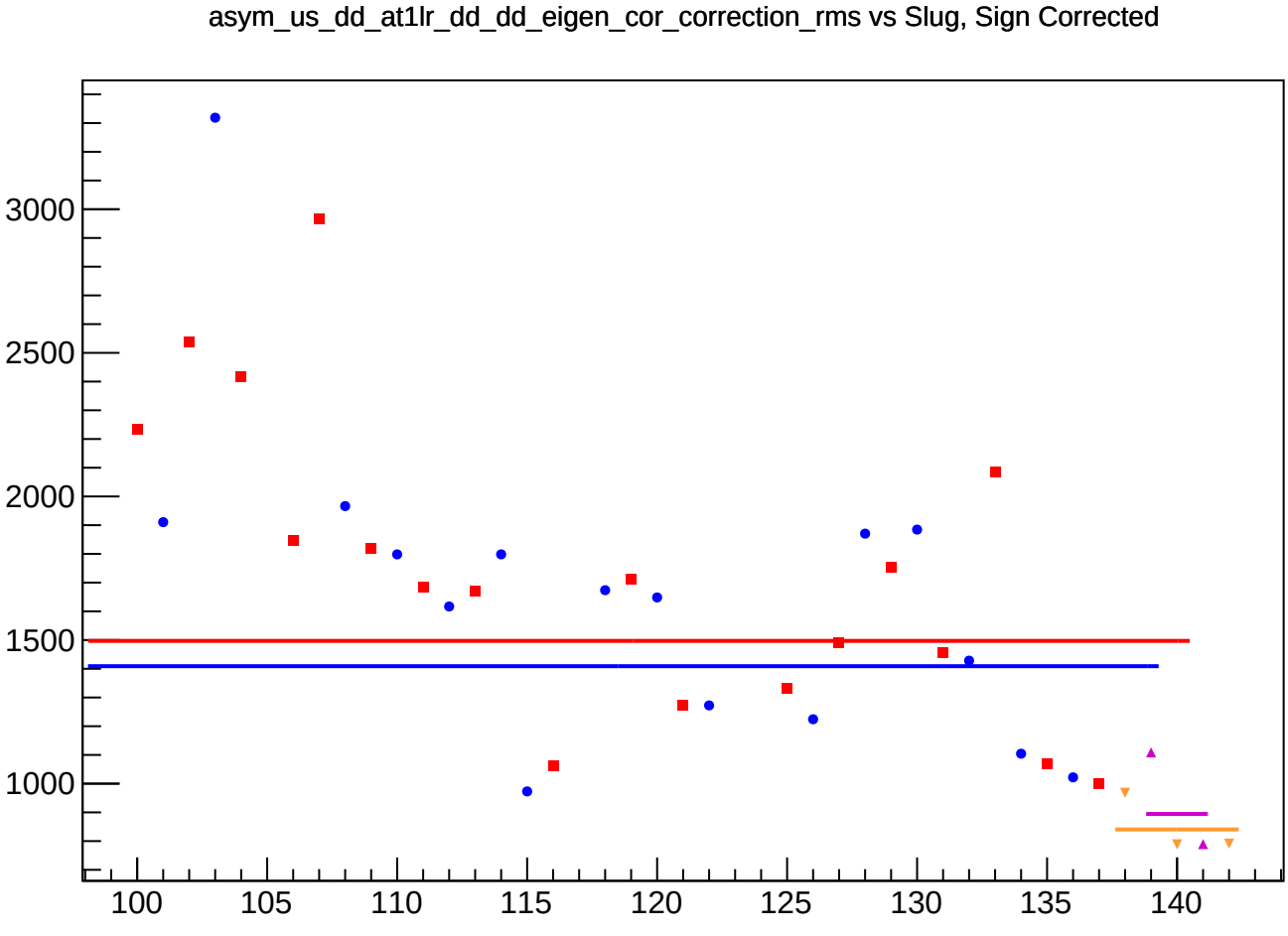
Left: 273.346+/-449.629 χ^2/NDF: 9.3/4

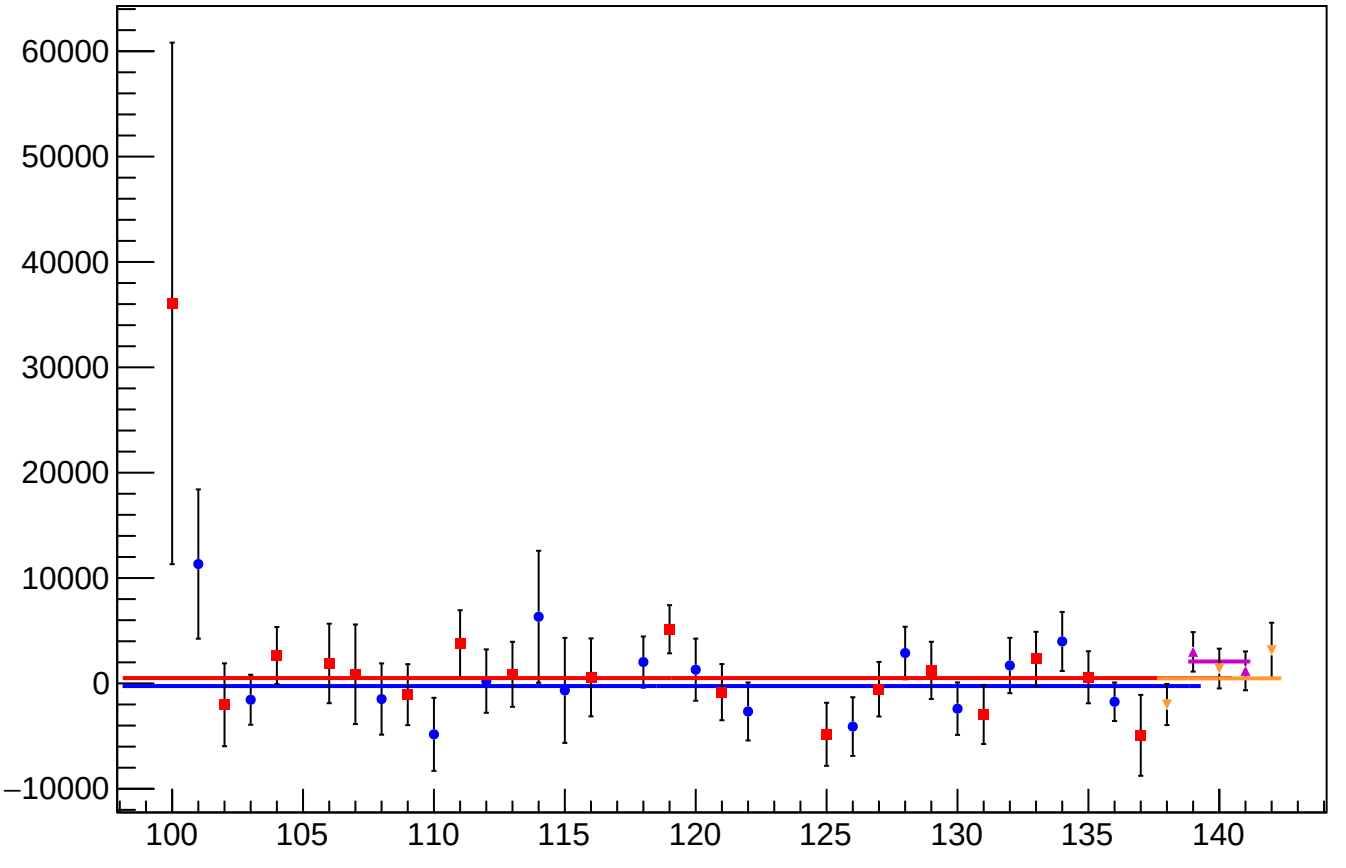
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -300.752+/-430.291 χ^2/NDF:24.8/17

Out: 492.862+/-416.038 χ^2/NDF:22.1/20

All: 109.416+/-299.095 χ^2/NDF: 48.6/38


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
105
110
115
120
125
130
135
140
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 840.475+/-0.419 χ²/NDF:37055.8/2
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 894.436+/-0.489 χ²/NDF:94180.9/1
Left: 863.299+/-0.318 χ²/NDF: 138267.3/4
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1209.684+/-0.304 χ²/NDF:1940042.7/17
Out: 1172.732+/-0.294 χ²/NDF:2300669.8/20
All: 1190.585+/-0.211 χ²/NDF: 4248335.6/38



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 481.033+/-1204.181 χ^2/NDF:2.9/2

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 2079.112+/-1314.862 χ^2/NDF:0.5/1

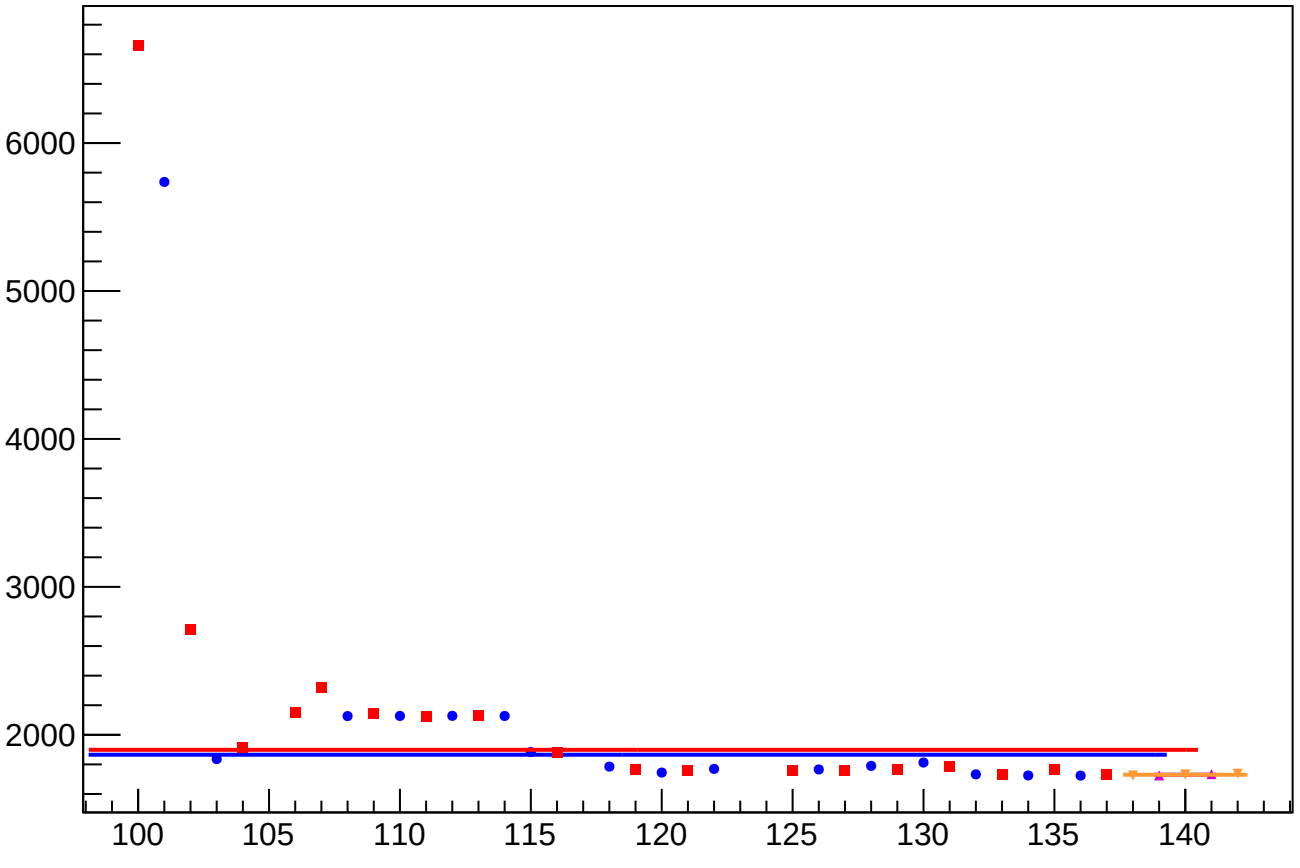
Left: 1209.992+/-888.040 χ^2/NDF: 4.2/4

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 274.208+/-624.719 χ^2/NDF:18.6/17

Out: 502.529+/-615.073 χ^2/NDF:19.3/20

All: 390.145+/-438.293 χ^2/NDF: 37.9/38



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1730.168+/-0.851 χ^2/NDF:29.7/2

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1730.333+/-0.930 χ^2/NDF:20.8/1

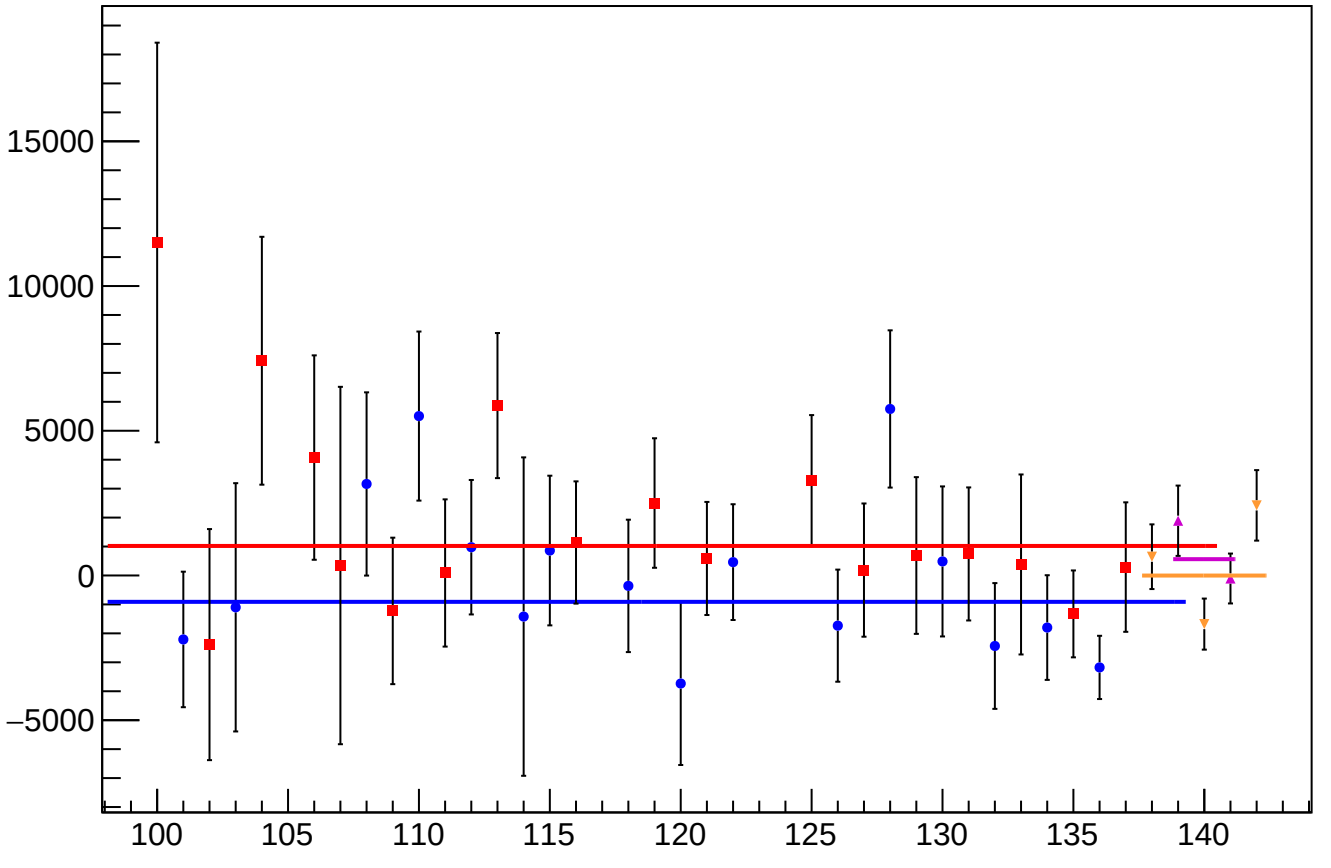
Left: 1730.243+/-0.628 χ^2/NDF: 50.6/4

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1834.941+/-0.442 χ^2/NDF:691360.3/17

Out: 1854.659+/-0.435 χ^2/NDF:298060.8/20

All: 1844.953+/-0.310 χ^2/NDF: 990432.8/38



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -2.792+/-601.933 χ^2/NDF:7.9/2

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 563.490+/-702.842 χ^2/NDF:1.8/1

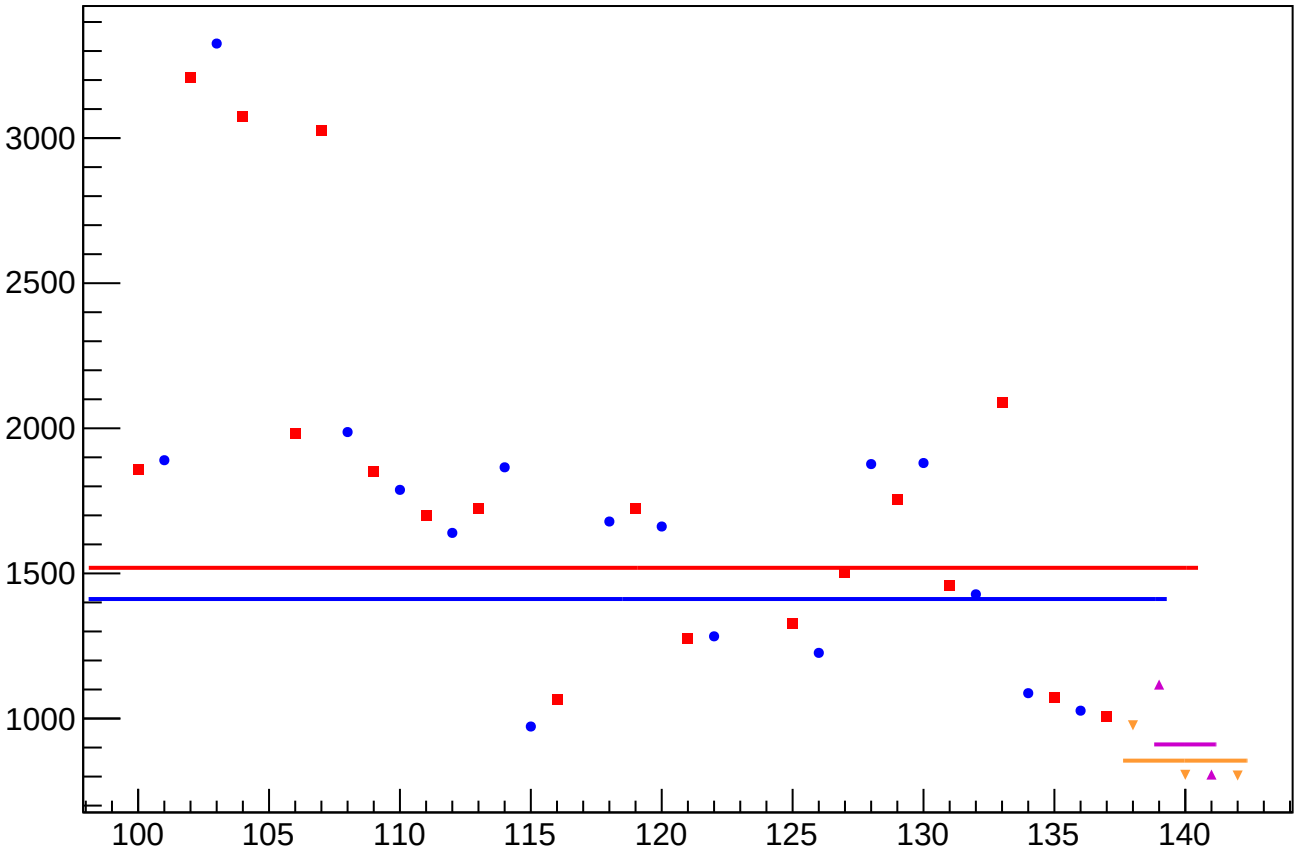
Left: 236.814+/-457.183 χ^2/NDF: 10.1/4

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -349.916+/-433.551 χ^2/NDF:25.5/17

Out: 517.521+/-421.930 χ^2/NDF:24.3/20

All: 95.583+/-302.375 χ^2/NDF: 51.9/38



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 854.902+/-0.426 χ^2/NDF:33425.5/2

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 910.754+/-0.497 χ^2/NDF:86689.7/1

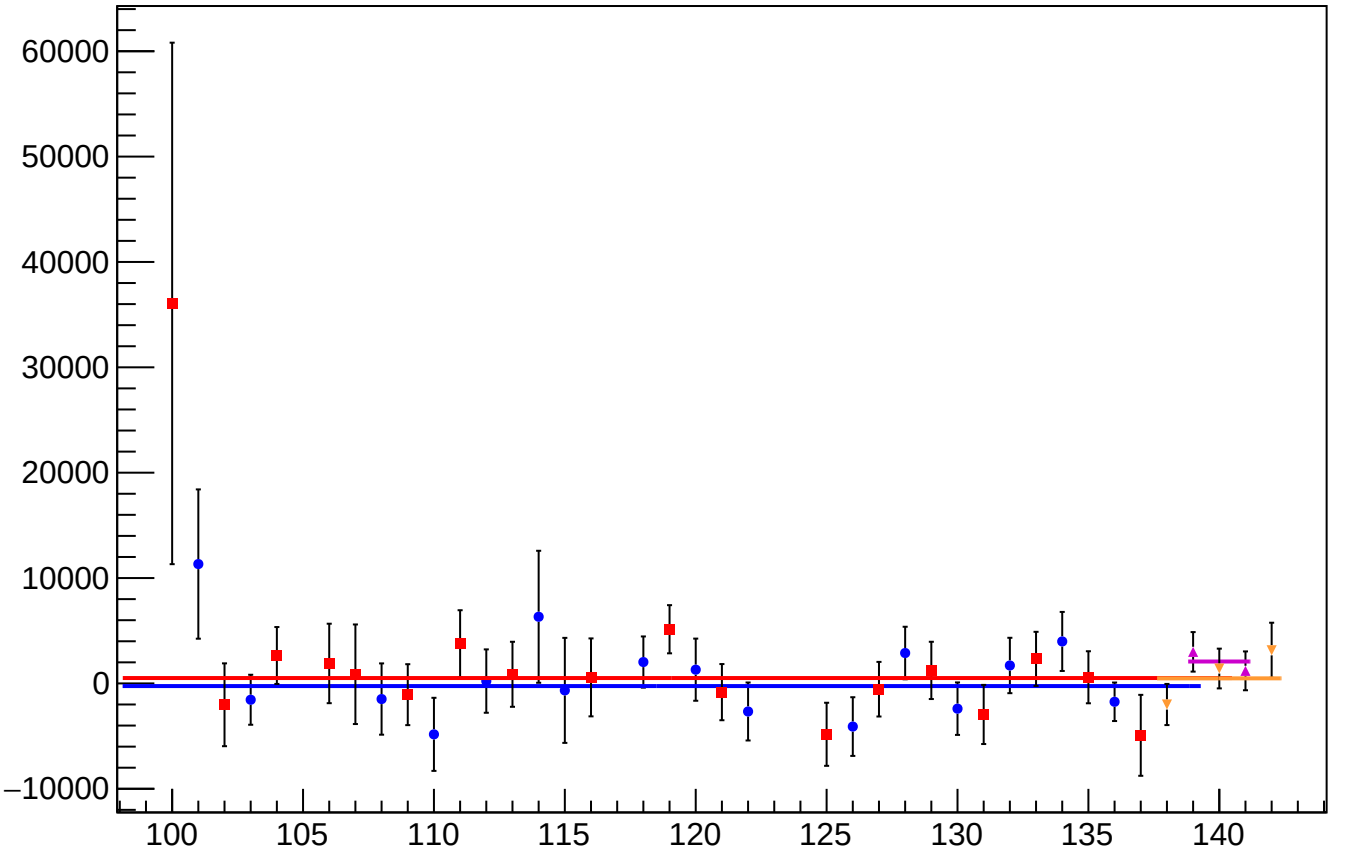
Left: 878.534+/-0.323 χ^2/NDF: 127400.8/4

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1221.115+/-0.307 χ^2/NDF:1893963.6/17

Out: 1192.855+/-0.298 χ^2/NDF:2632998.7/20

All: 1206.602+/-0.214 χ^2/NDF: 4531326.5/38



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 481.034+/-1204.181 χ^2/NDF:2.9/2

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 2079.117+/-1314.862 χ^2/NDF:0.5/1

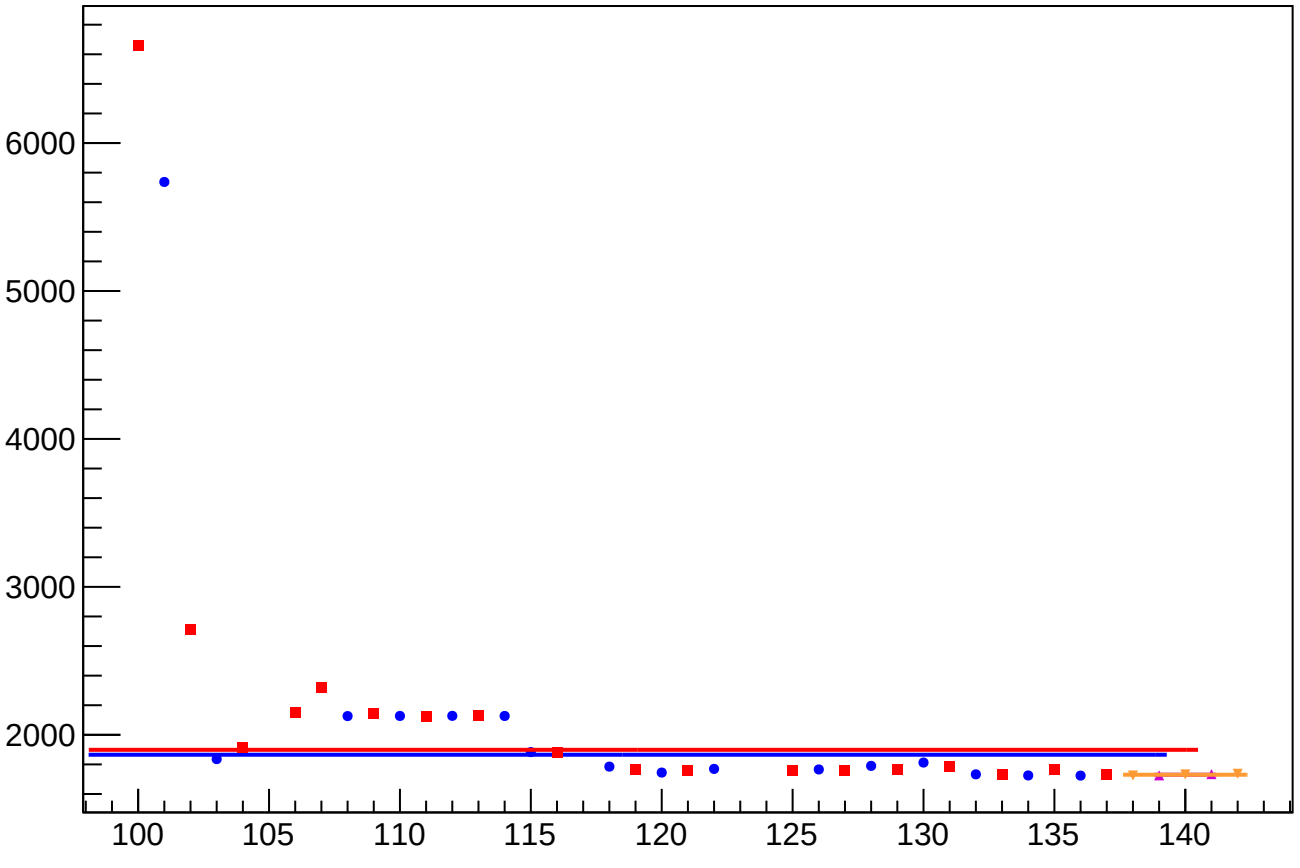
Left: 1209.995+/-888.040 χ^2/NDF: 4.2/4

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 274.209+/-624.719 χ^2/NDF:18.6/17

Out: 502.529+/-615.073 χ^2/NDF:19.3/20

All: 390.145+/-438.293 χ^2/NDF: 37.9/38



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1730.168+/-0.851 χ^2/NDF:29.7/2

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1730.333+/-0.930 χ^2/NDF:20.8/1

Left: 1730.243+/-0.628 χ^2/NDF: 50.6/4

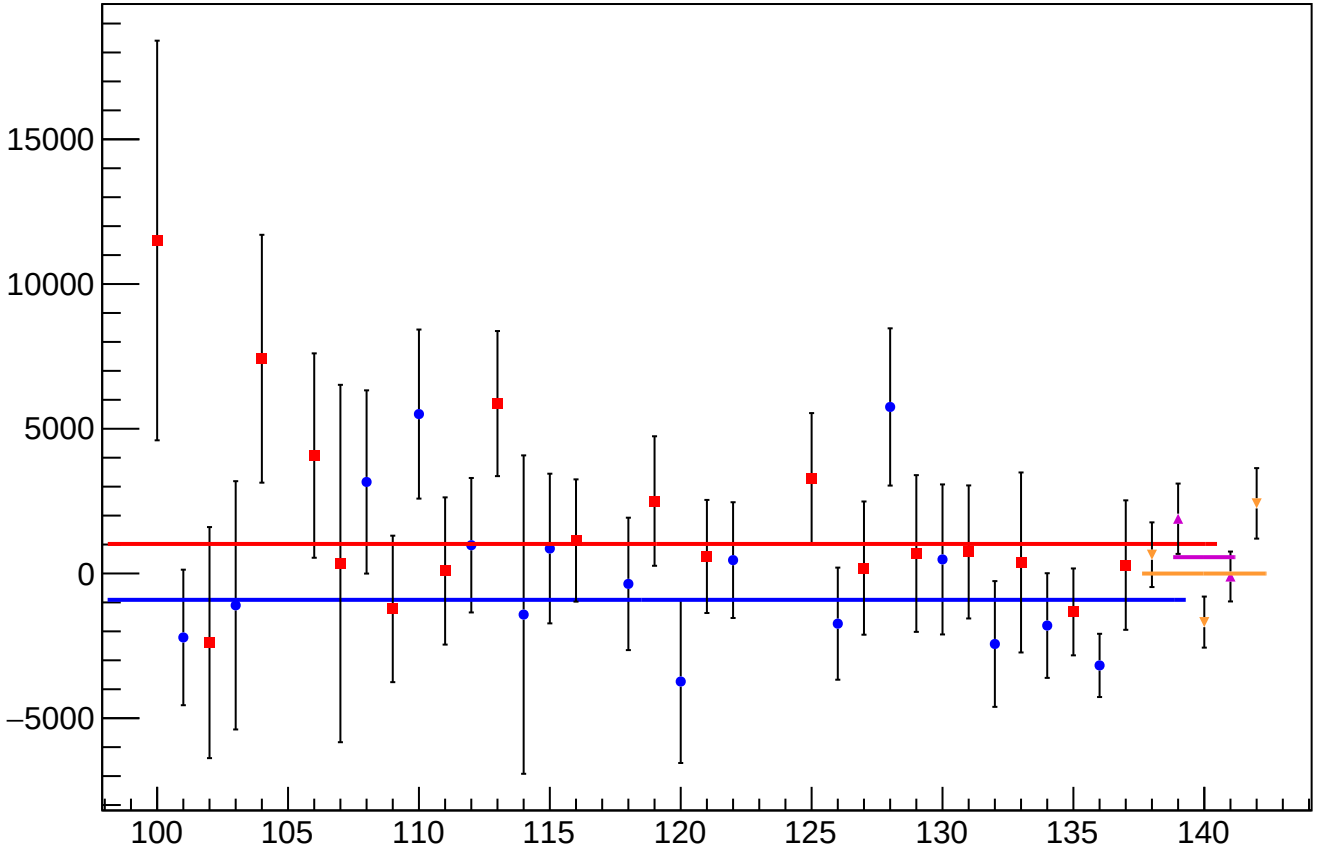
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1834.941+/-0.442 χ^2/NDF:691360.3/17

Out: 1854.659+/-0.435 χ^2/NDF:298060.5/20

All: 1844.953+/-0.310 χ^2/NDF: 990432.5/38

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: -2.797+/-601.933 χ^2/NDF:7.9/2

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 563.487+/-702.841 χ^2/NDF:1.8/1

Left: 236.810+/-457.183 χ^2/NDF: 10.1/4

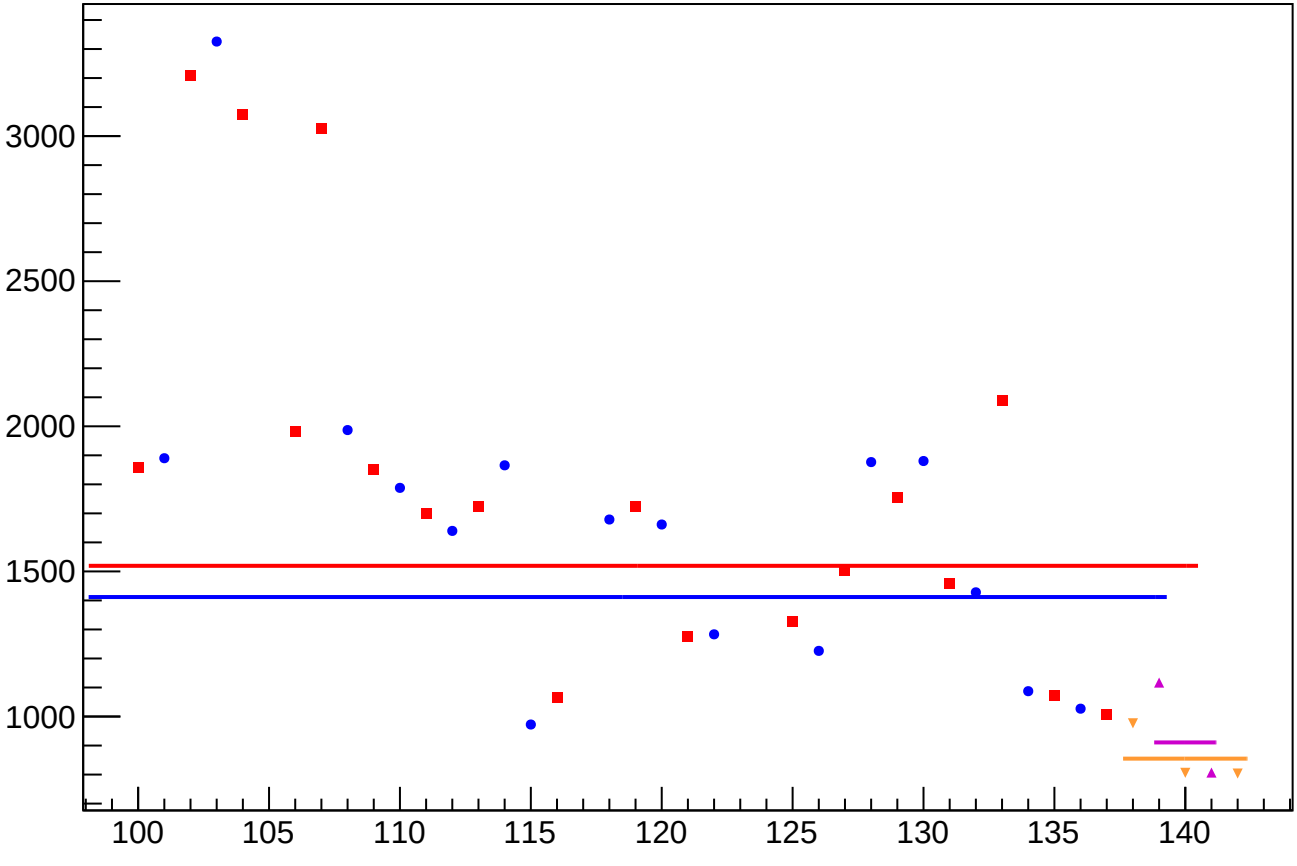
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -349.915+/-433.550 χ^2/NDF:25.5/17

Out: 517.519+/-421.930 χ^2/NDF:24.3/20

All: 95.582+/-302.374 χ^2/NDF: 51.9/38

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 854.902+/-0.426 χ^2/NDF:33427.2/2

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 910.752+/-0.497 χ^2/NDF:86693.3/1

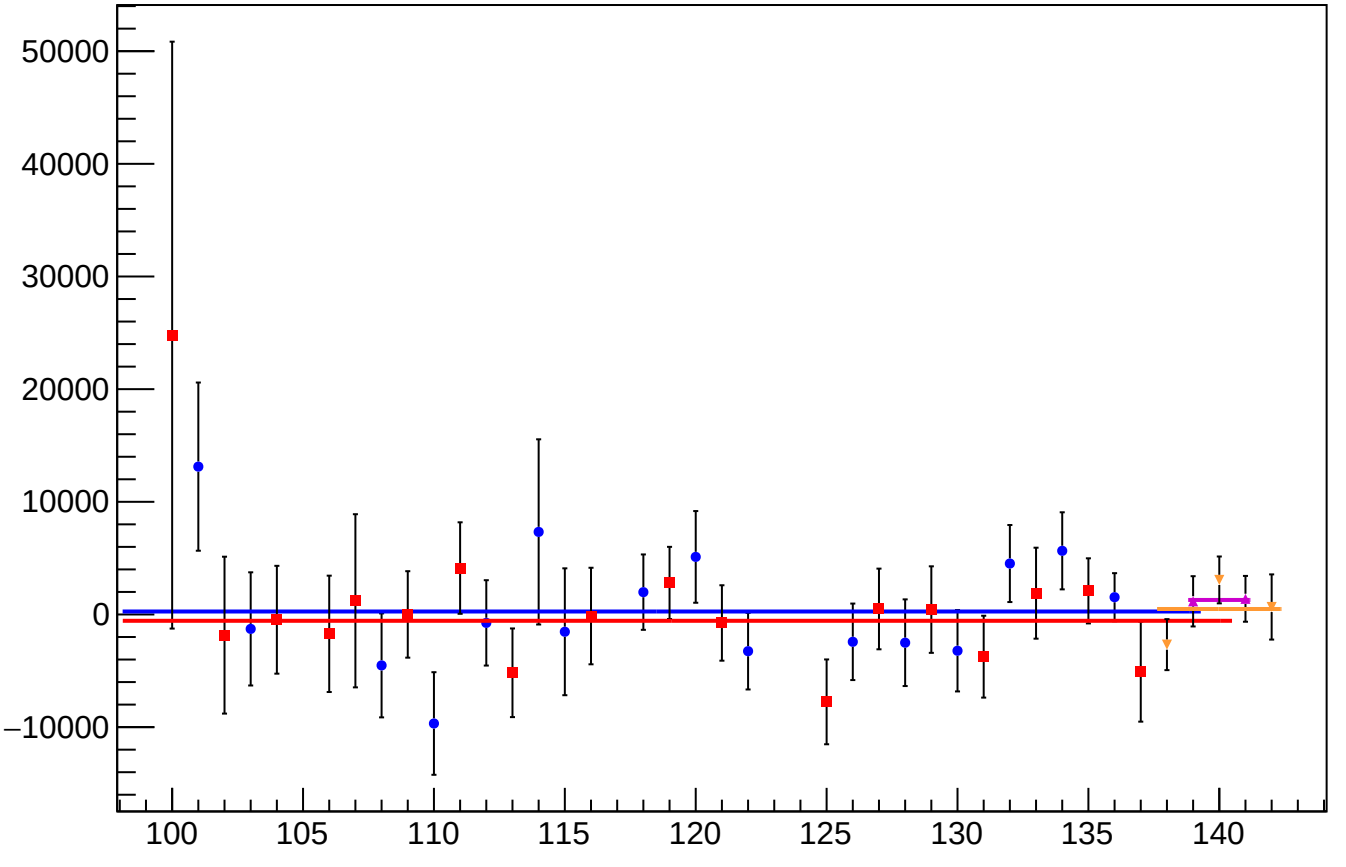
Left: 878.533+/-0.323 χ^2/NDF: 127405.9/4

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1221.113+/-0.307 χ^2/NDF:1893964.8/17

Out: 1192.854+/-0.298 χ^2/NDF:2633000.9/20

All: 1206.600+/-0.214 χ^2/NDF: 4531329.6/38



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 486.863+/-1353.238 χ^2/NDF:3.5/2

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: 845.959+/-1005.609 χ^2/NDF: 3.7/4

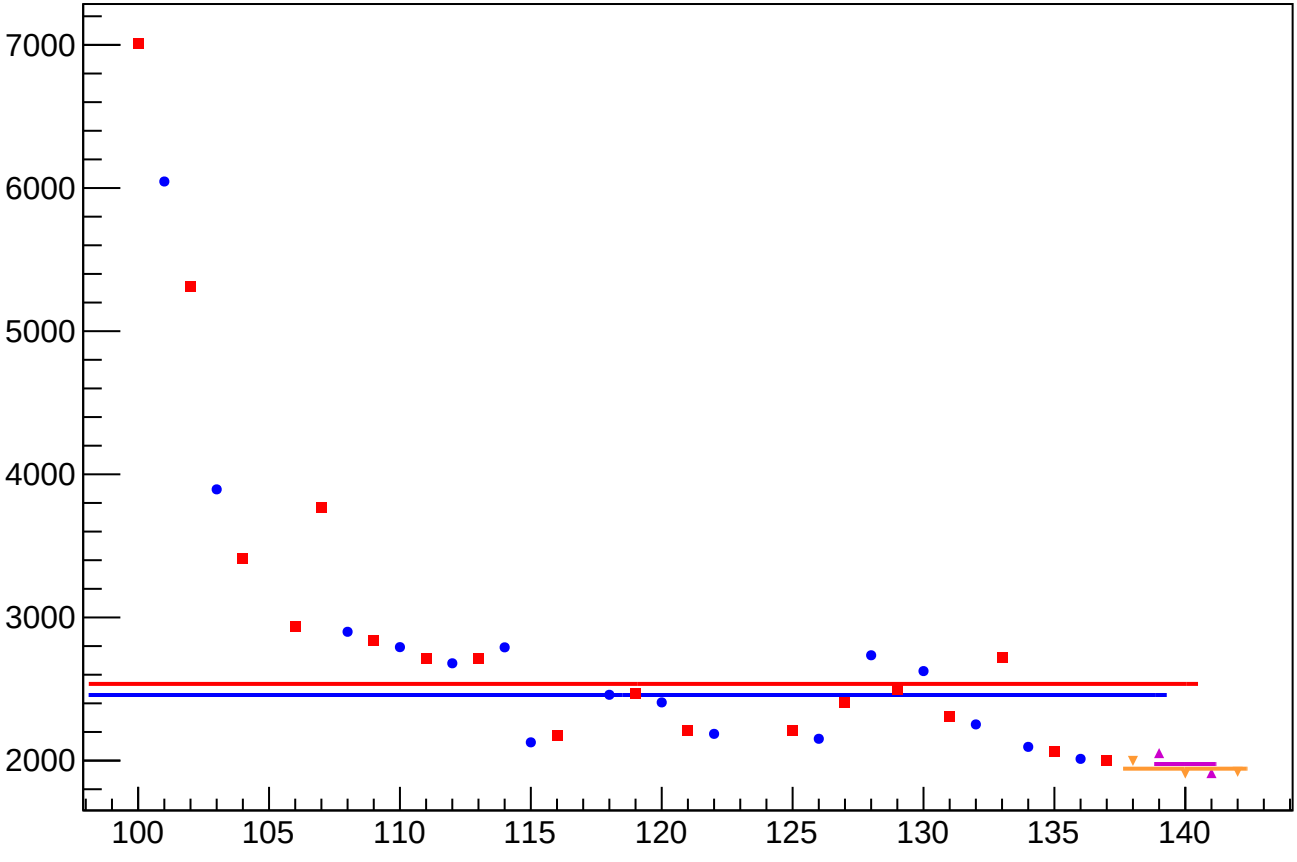
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 553.350+/-798.142 χ^2/NDF:19.4/17

Out: -208.741+/-784.580 χ^2/NDF:15.6/20

All: 165.775+/-559.515 χ^2/NDF: 35.5/38

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: 1943.604+/-0.957 χ^2/NDF:1811.4/2

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1976.203+/-1.063 χ^2/NDF:4286.6/1

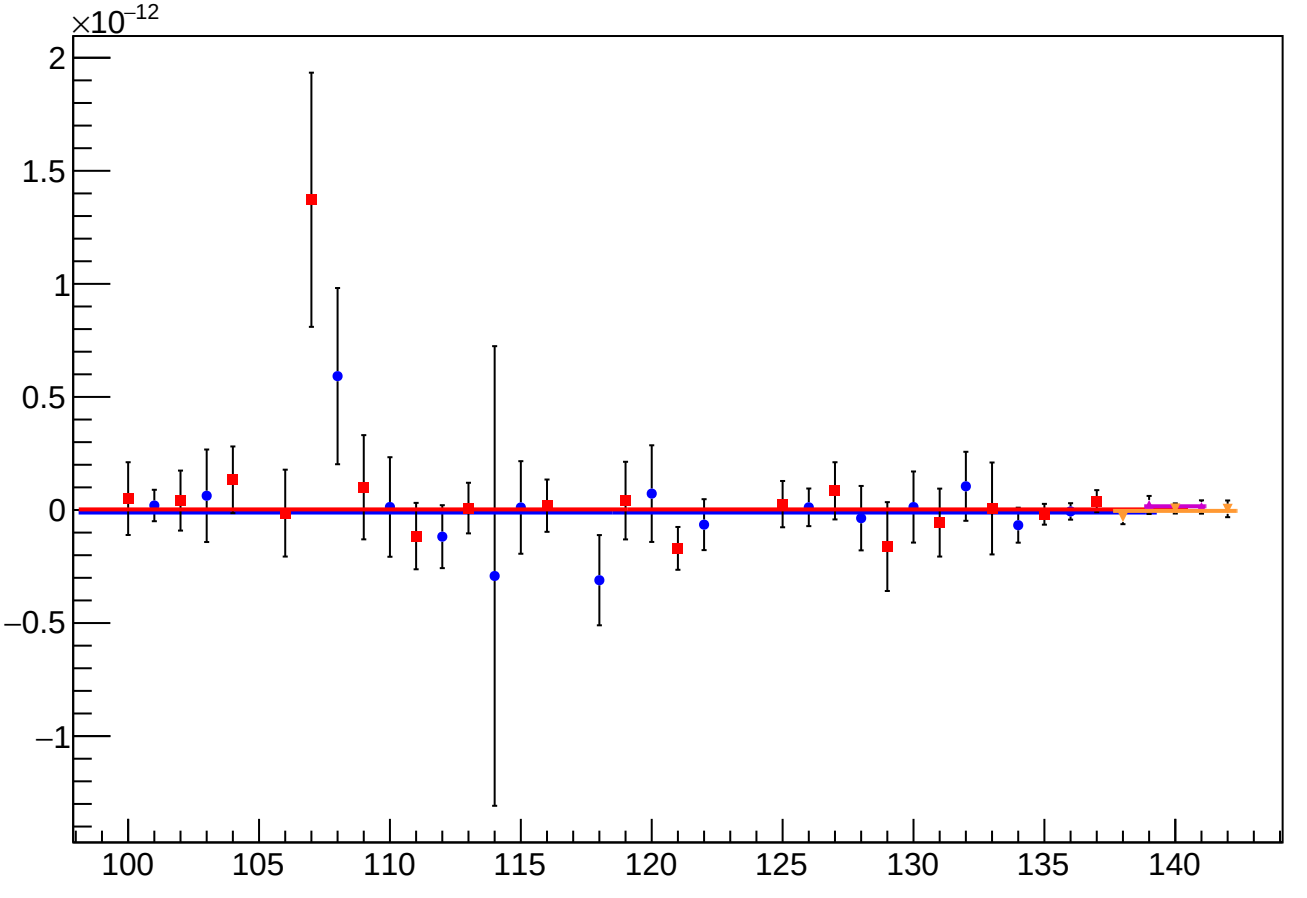
Left: 1958.201+/-0.711 χ^2/NDF: 6617.7/4

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2322.334+/-0.564 χ^2/NDF:984964.4/17

Out: 2336.726+/-0.555 χ^2/NDF:929398.2/20

All: 2329.653+/-0.396 χ^2/NDF: 1914693.4/38



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/2

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

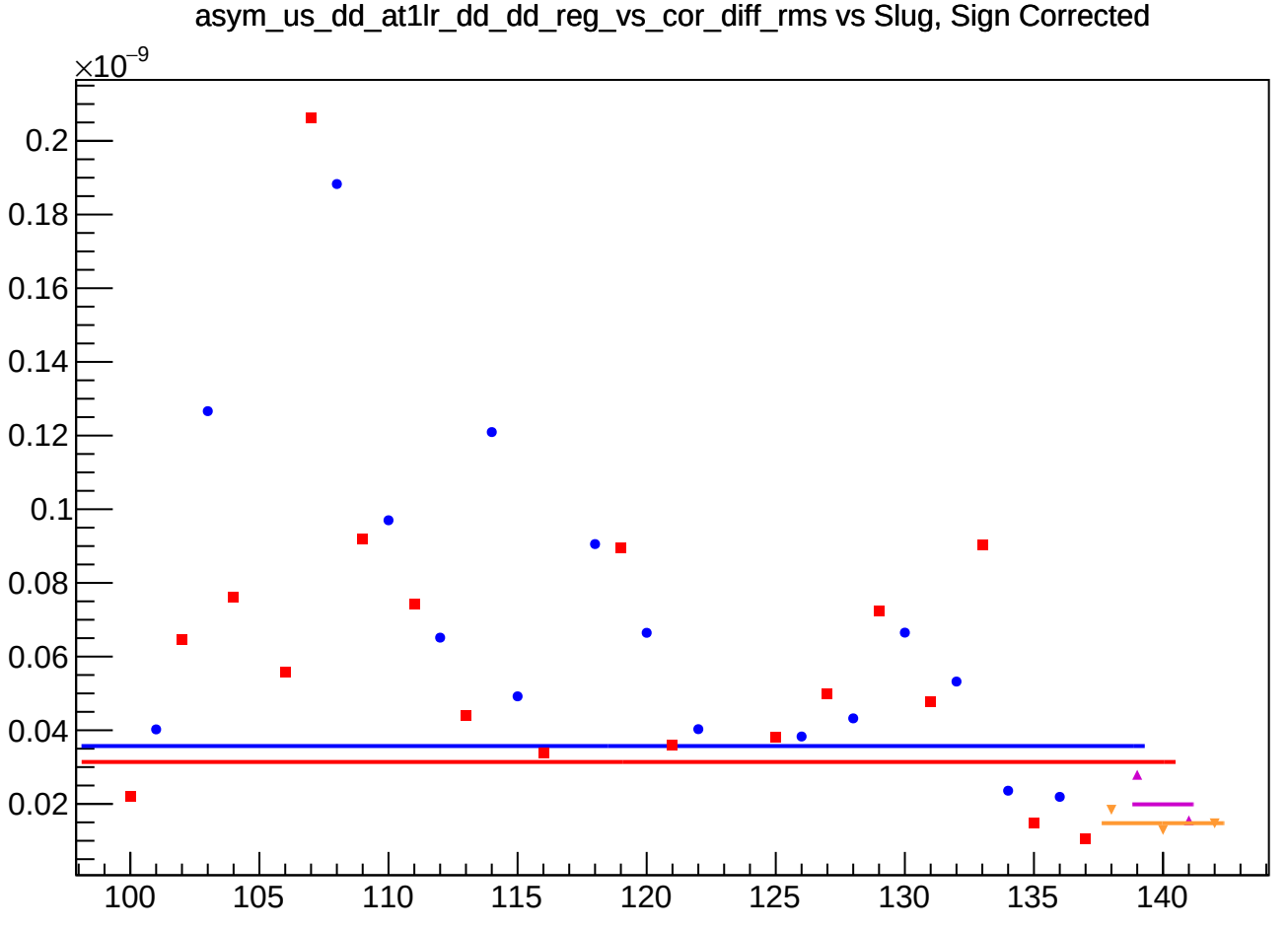
Left: 0.000+/-0.000 χ^2/NDF: 1.6/4

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:14.3/20

All: -0.000+/-0.000 χ^2/NDF: 22.4/38



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:40274.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:124416.1/1

Left: 0.000+/-0.000 χ^2/NDF: 227661.0/4

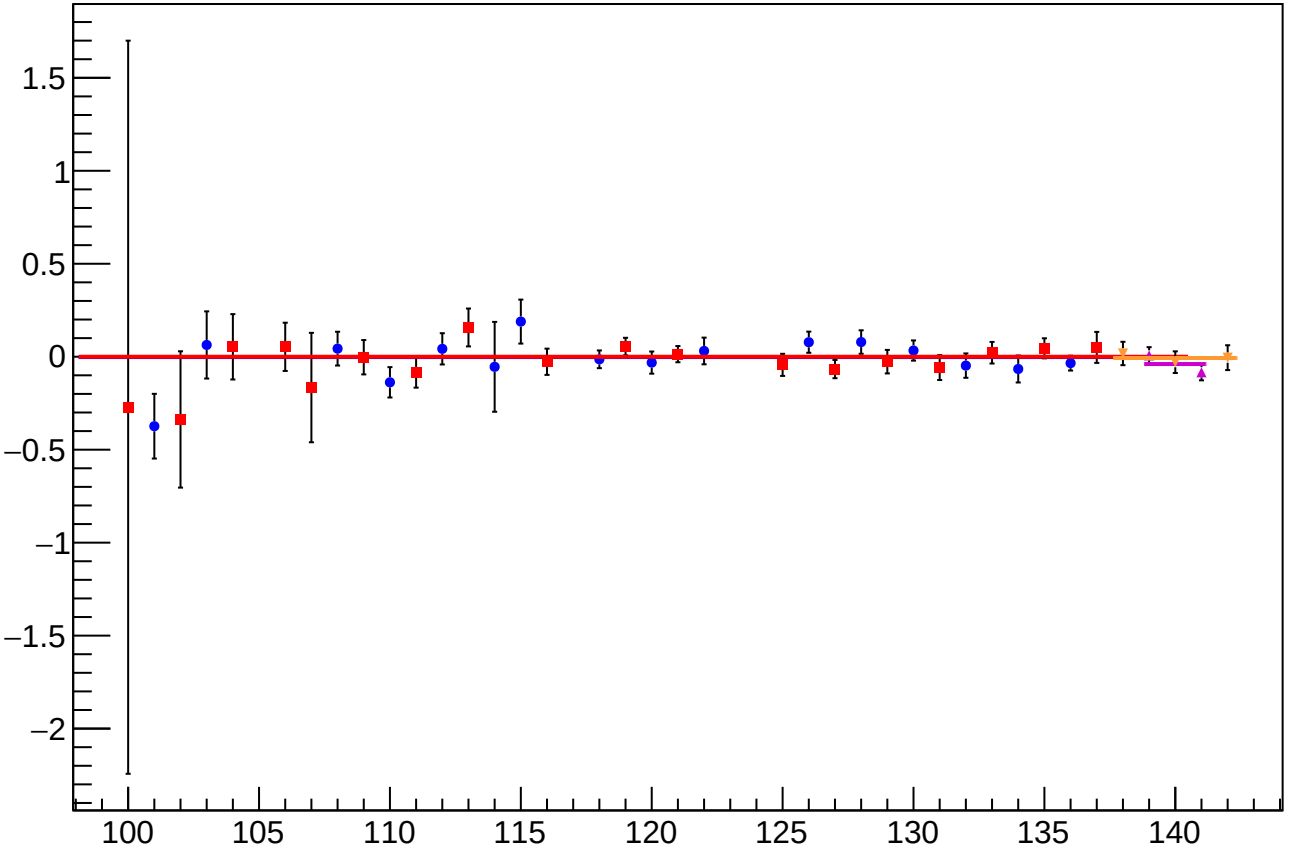
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:2175215.2/17

Out: 0.000+/-0.000 χ^2/NDF:2749345.2/20

All: 0.000+/-0.000 χ^2/NDF: 5167016.3/38

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

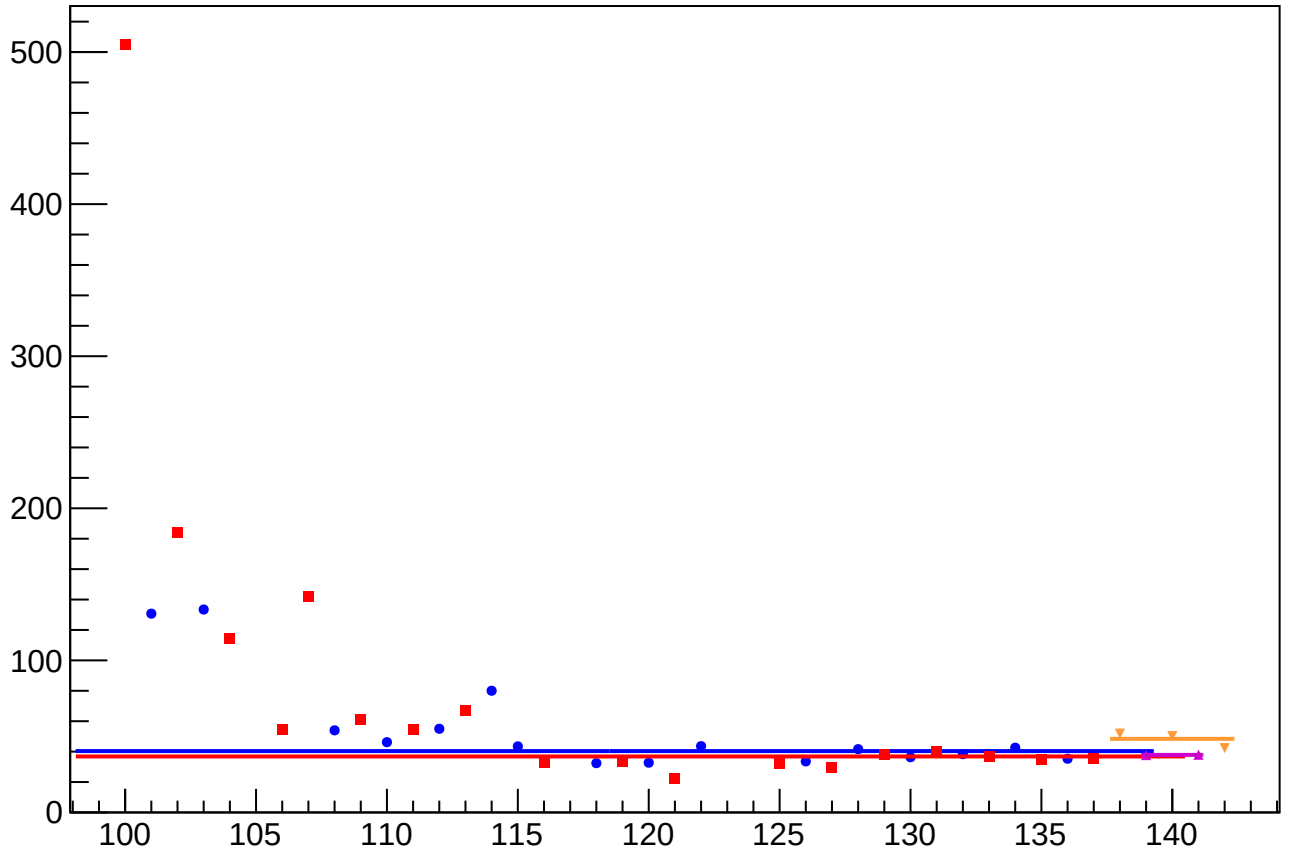
Left: -0.026+/-0.024 χ^2/NDF: 2.9/4

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+/-0.015 χ^2/NDF:11.2/20

All: -0.006+/-0.011 χ^2/NDF: 31.8/38



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 48.403+/-0.025 χ^2/NDF:24255.6/2

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: 42.343+/-0.017 χ^2/NDF: 122986.2/4

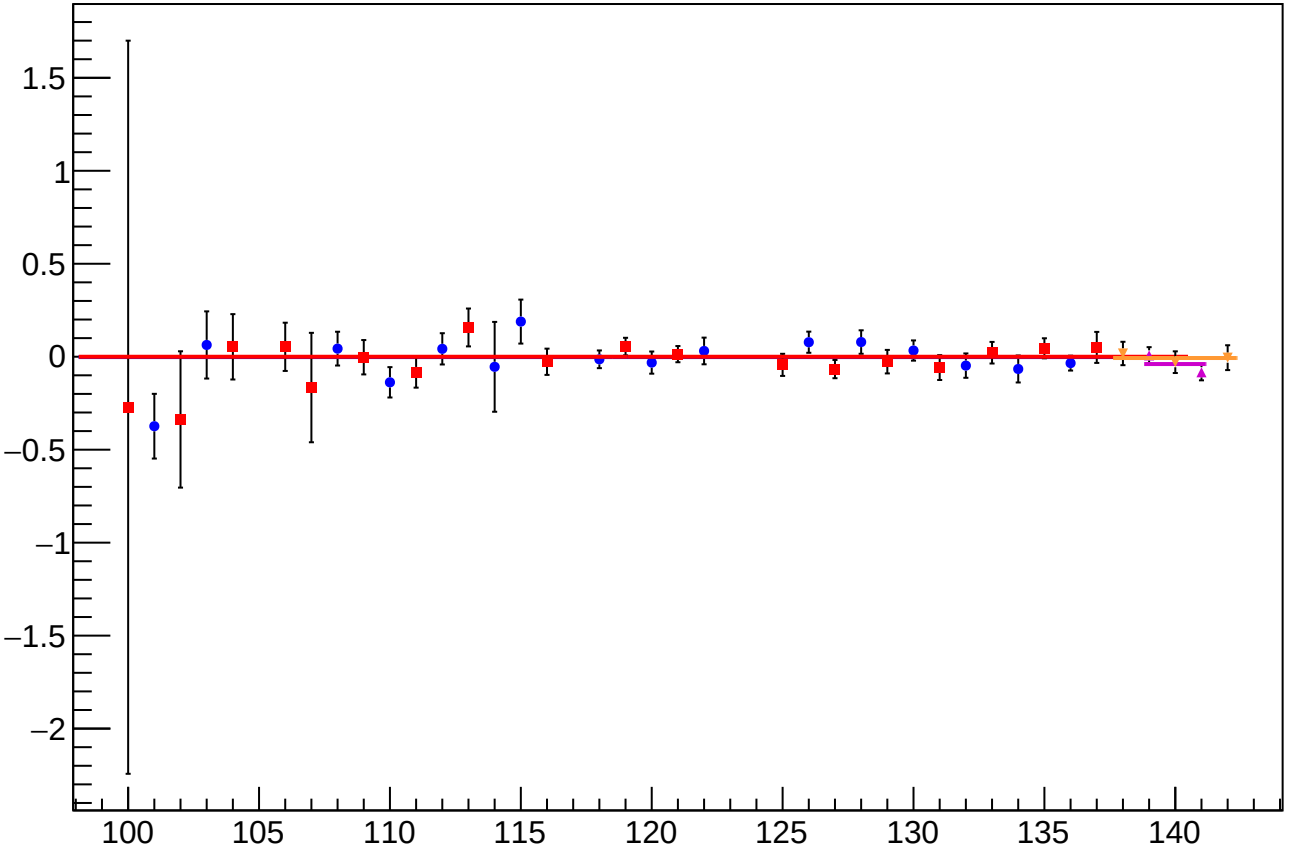
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.768+/-0.011 χ^2/NDF:1420190.3/17

Out: 38.867+/-0.011 χ^2/NDF:2031683.5/20

All: 39.323+/-0.008 χ^2/NDF: 3455460.8/38

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.026+/-0.024 χ^2/NDF: 2.9/4

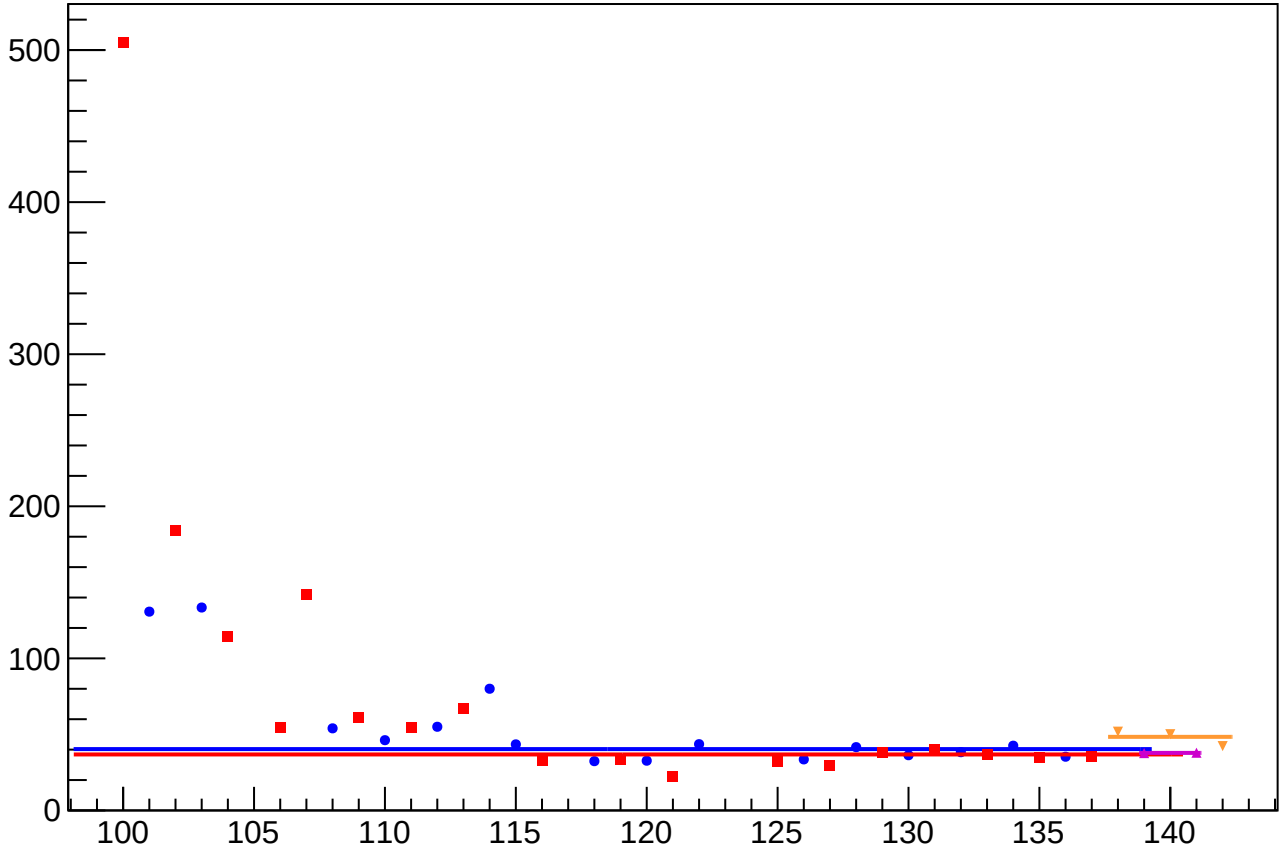
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.006+/-0.011 χ^2/NDF: 31.8/38

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: 48.403+/-0.025 χ^2/NDF:24255.6/2

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.845+/-0.022 χ^2/NDF:31.7/1

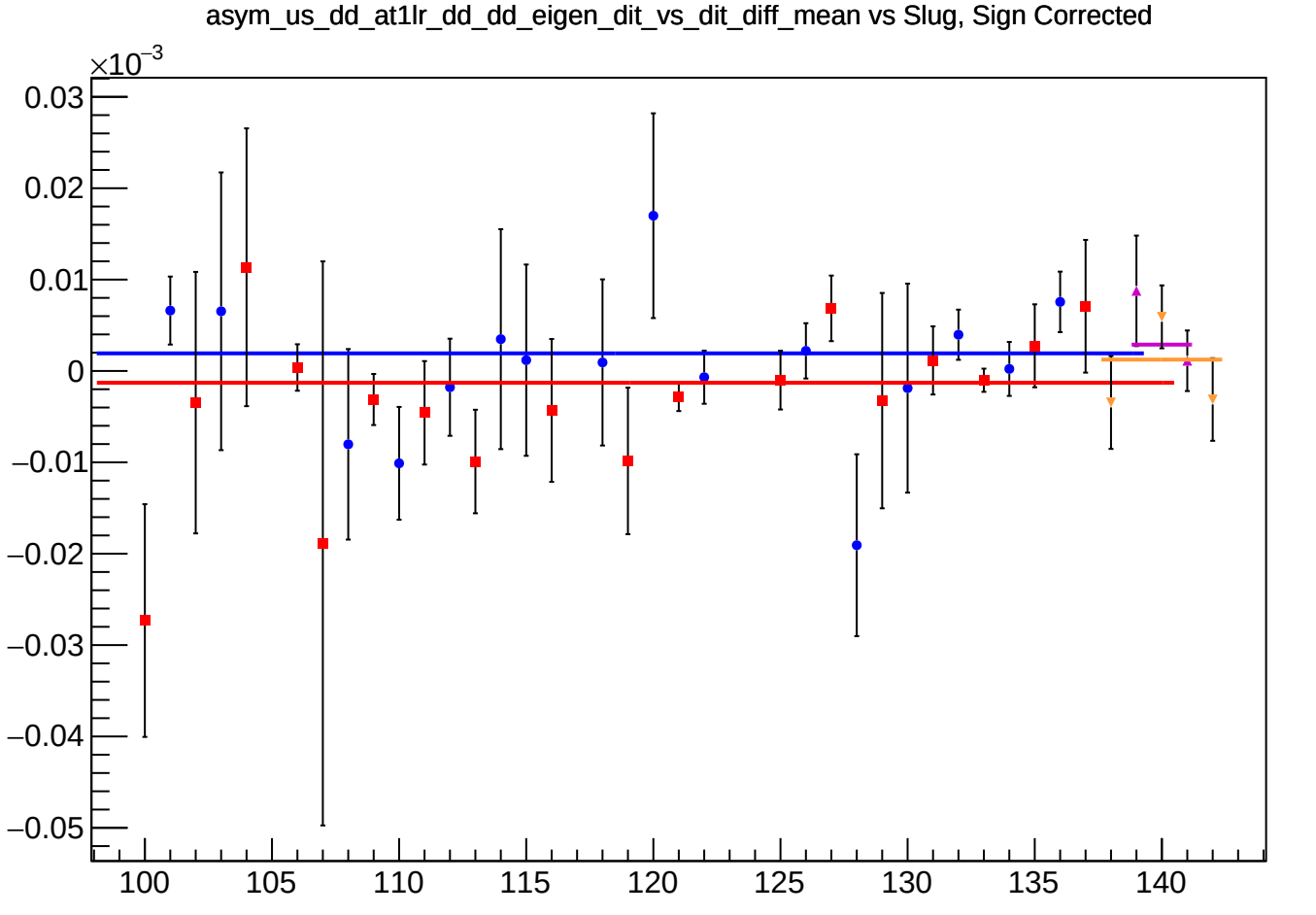
Left: 42.343+/-0.017 χ^2/NDF: 122986.2/4

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

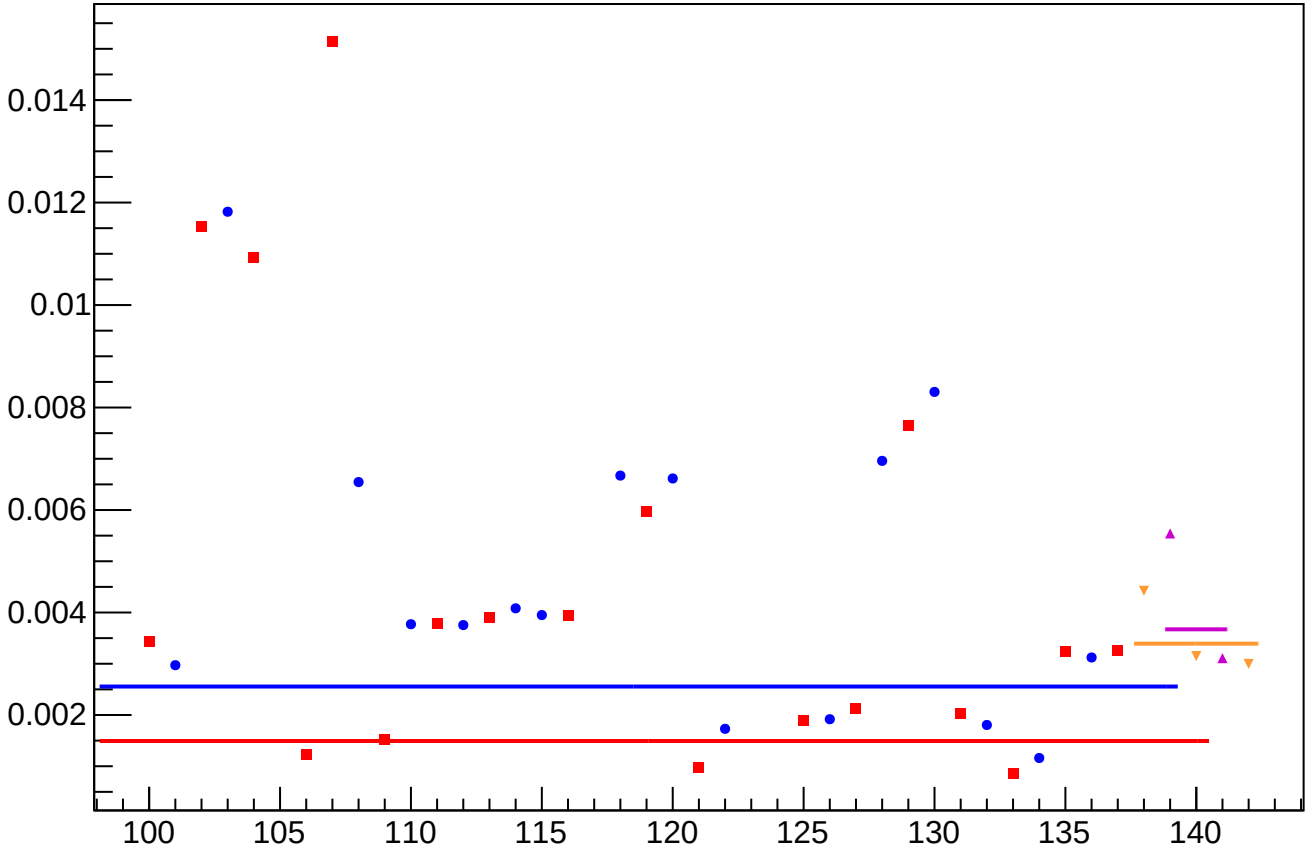
In: 39.768+/-0.011 χ^2/NDF:1420190.3/17

Out: 38.867+/-0.011 χ^2/NDF:2031683.5/20

All: 39.323+/-0.008 χ^2/NDF: 3455460.8/38


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:3.6/2
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: 5.1/4
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:23.5/20
All: -0.000+/-0.000 χ²/NDF: 48.6/38

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: 0.003+/-0.000 χ^2/NDF:107472.5/2

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:249101.4/1

Left: 0.004+/-0.000 χ^2/NDF: 367538.1/4

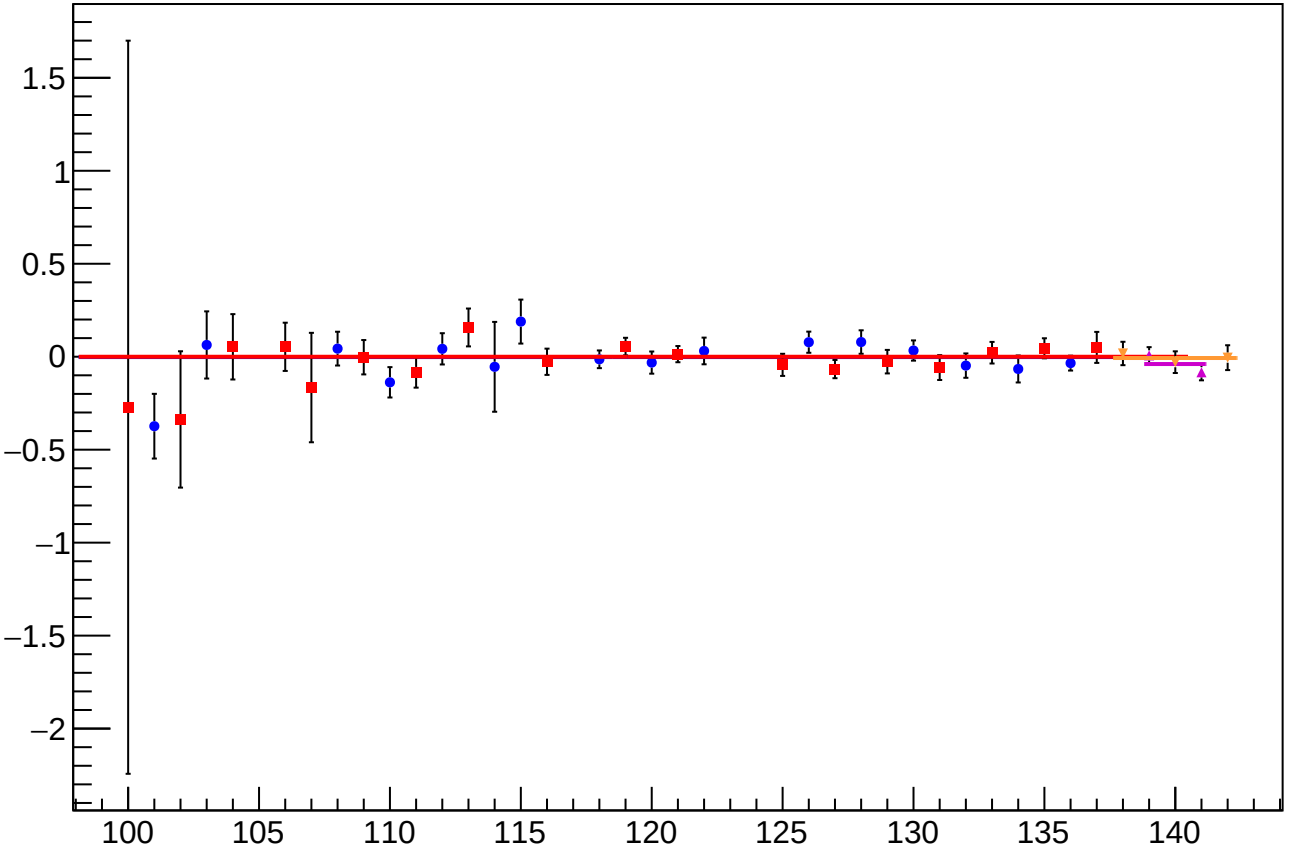
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4287062.3/17

Out: 0.002+/-0.000 χ^2/NDF:6800823.4/20

All: 0.002+/-0.000 χ^2/NDF: 12413126.3/38

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.026+/-0.024 χ^2/NDF: 2.9/4

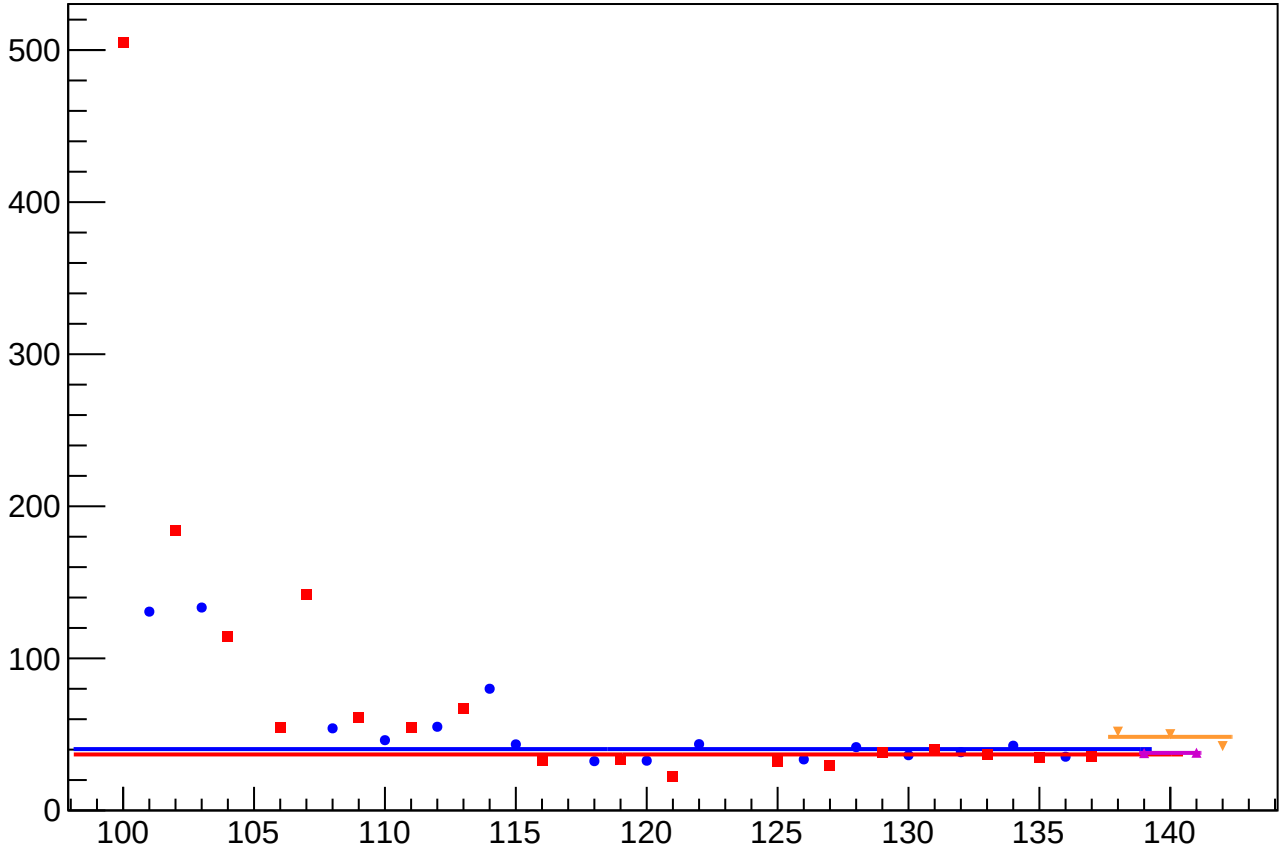
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.006+/-0.011 χ^2/NDF: 31.8/38

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: 48.403+/-0.025 χ^2/NDF:24259.1/2

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: 42.343+/-0.017 χ^2/NDF: 122985.8/4

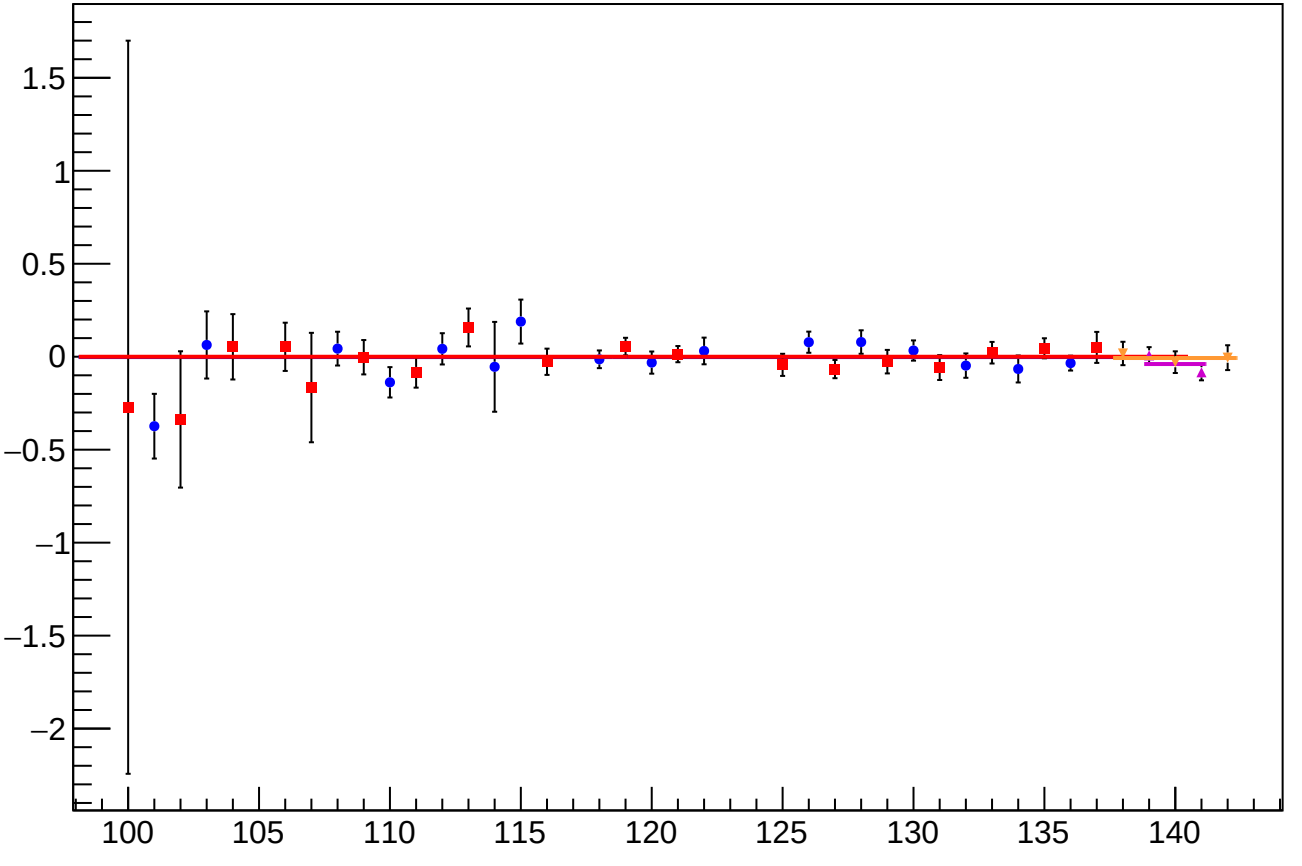
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.769+/-0.011 χ^2/NDF:1420093.9/17

Out: 38.867+/-0.011 χ^2/NDF:2031702.4/20

All: 39.323+/-0.008 χ^2/NDF: 3455393.0/38

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: -0.007+/-0.036 χ^2/NDF:0.3/2

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.039+/-0.031 χ^2/NDF:2.1/1

Left: -0.026+/-0.024 χ^2/NDF: 2.9/4

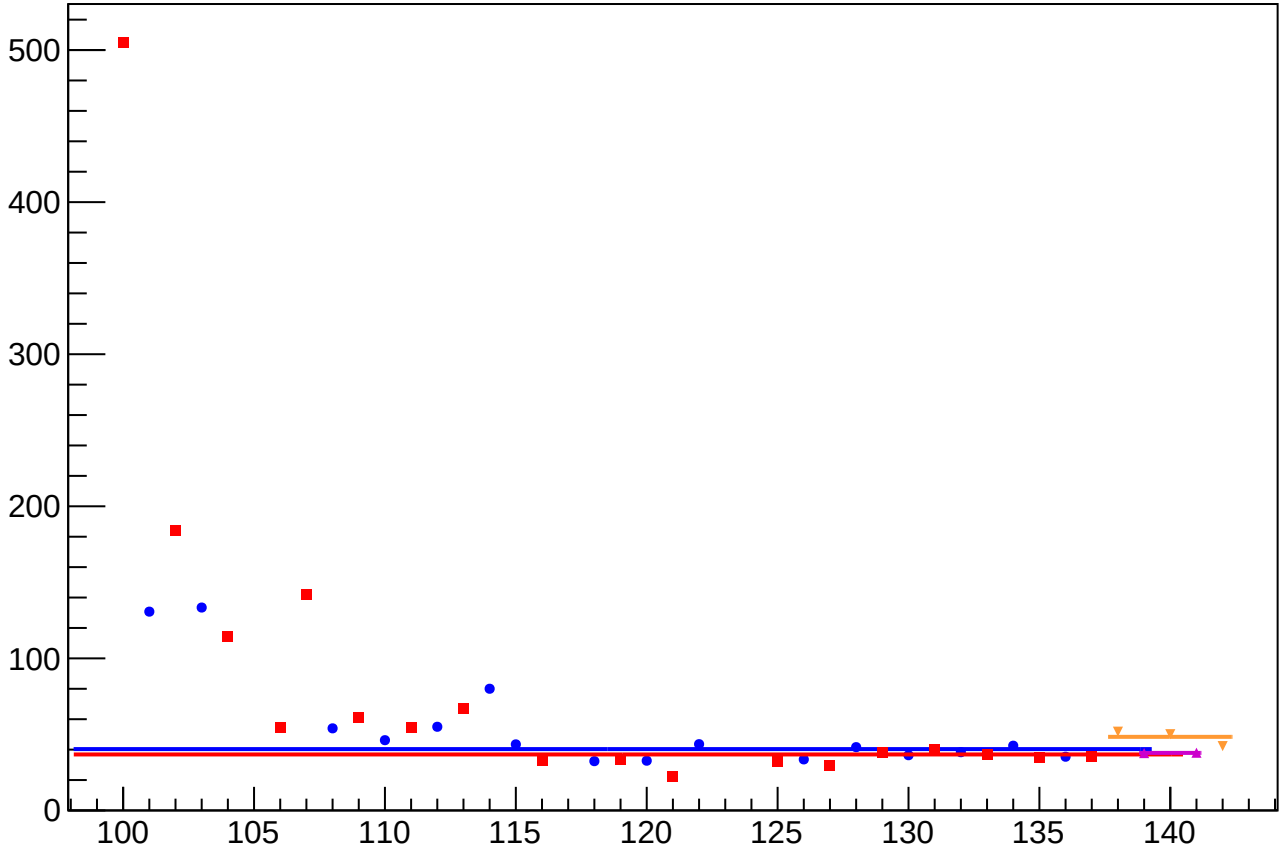
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.011+/-0.015 χ^2/NDF:20.4/17

Out: -0.001+/-0.015 χ^2/NDF:11.2/20

All: -0.006+/-0.011 χ^2/NDF: 31.8/38

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: 48.403+/-0.025 χ^2/NDF:24259.1/2

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: 42.343+/-0.017 χ^2/NDF: 122985.8/4

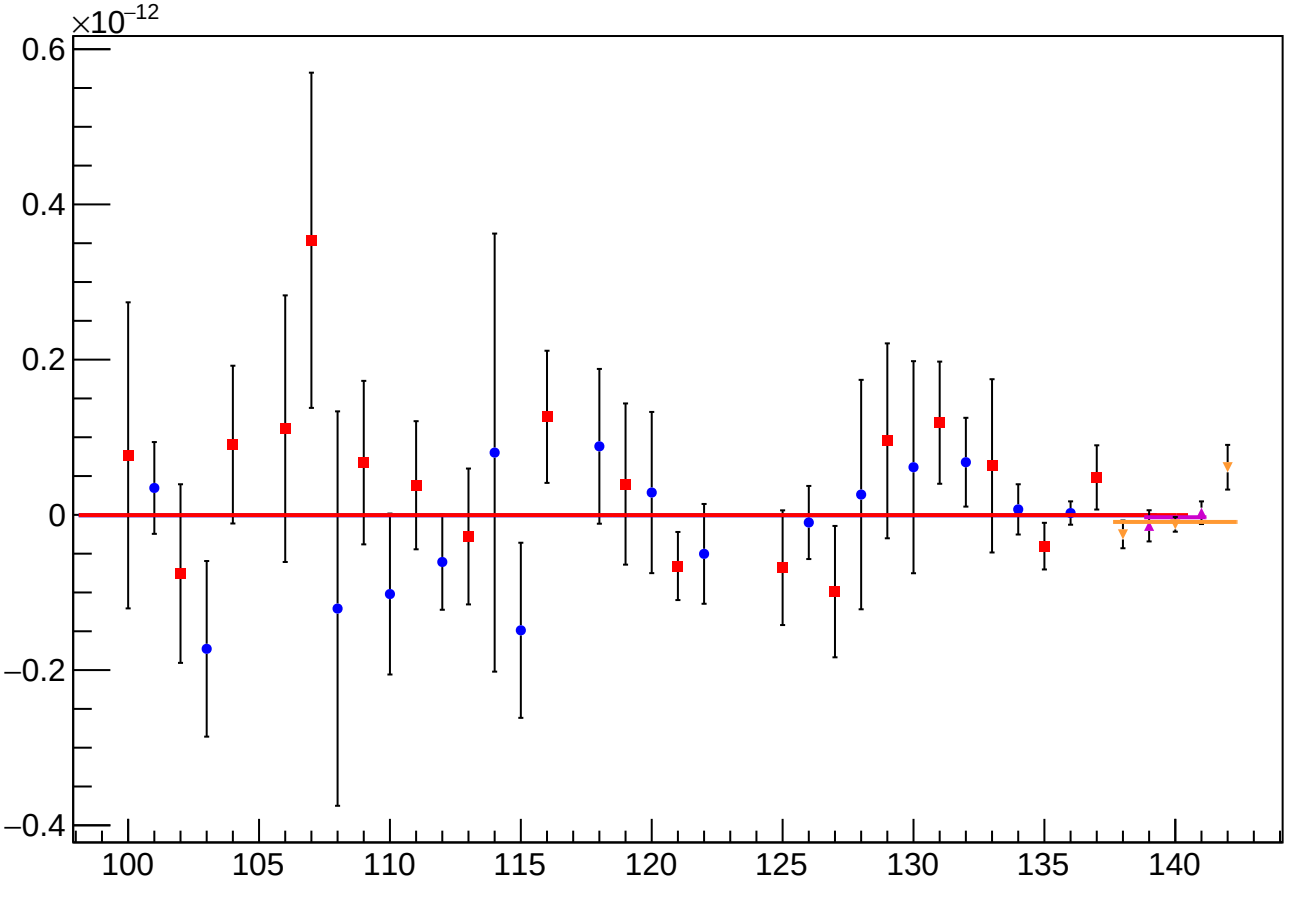
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.769+/-0.011 χ^2/NDF:1420093.9/17

Out: 38.867+/-0.011 χ^2/NDF:2031702.4/20

All: 39.323+/-0.008 χ^2/NDF: 3455393.0/38

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

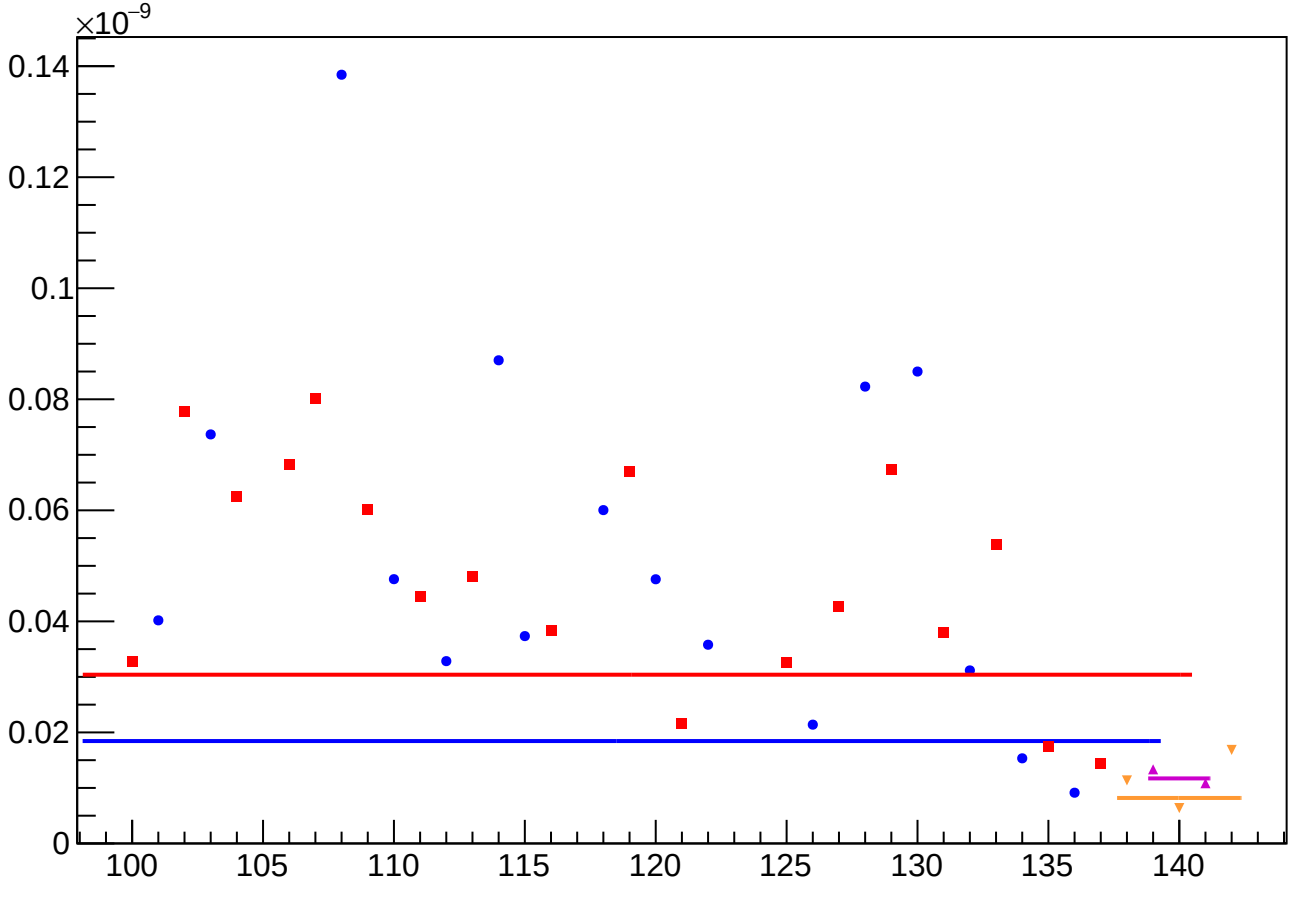
Left: -0.000+/-0.000 χ^2/NDF: 7.5/4

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:10.4/17

Out: -0.000+/-0.000 χ^2/NDF:25.5/20

All: -0.000+/-0.000 χ^2/NDF: 36.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:317304.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:20298.9/1

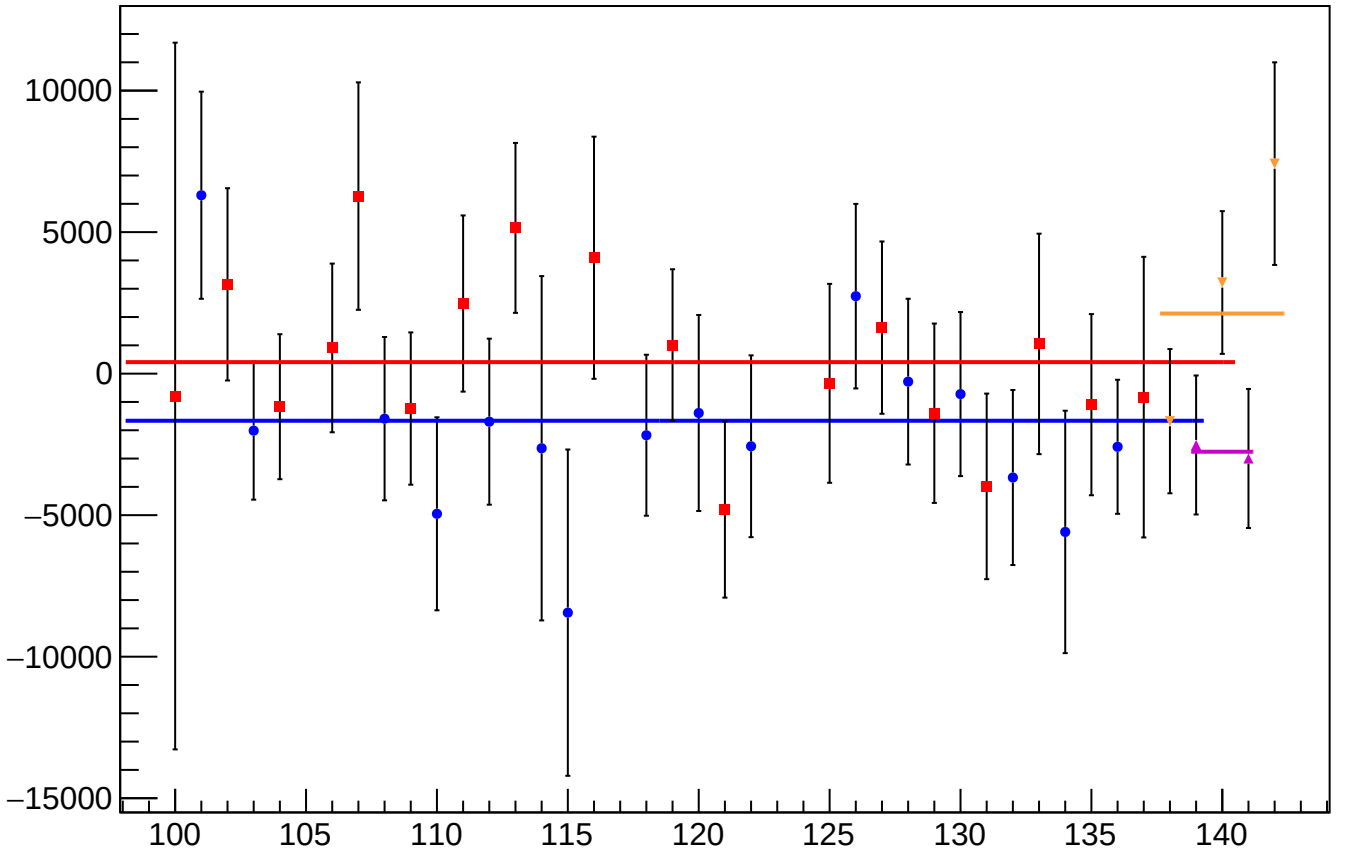
Left: 0.000+/-0.000 χ^2/NDF: 459167.2/4

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:5642406.2/20

All: 0.000+/-0.000 χ^2/NDF: 10137803.3/38



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2123.612+/-1602.445 χ^2/NDF:4.6/2

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -2758.695+/-1737.050 χ^2/NDF:0.0/1

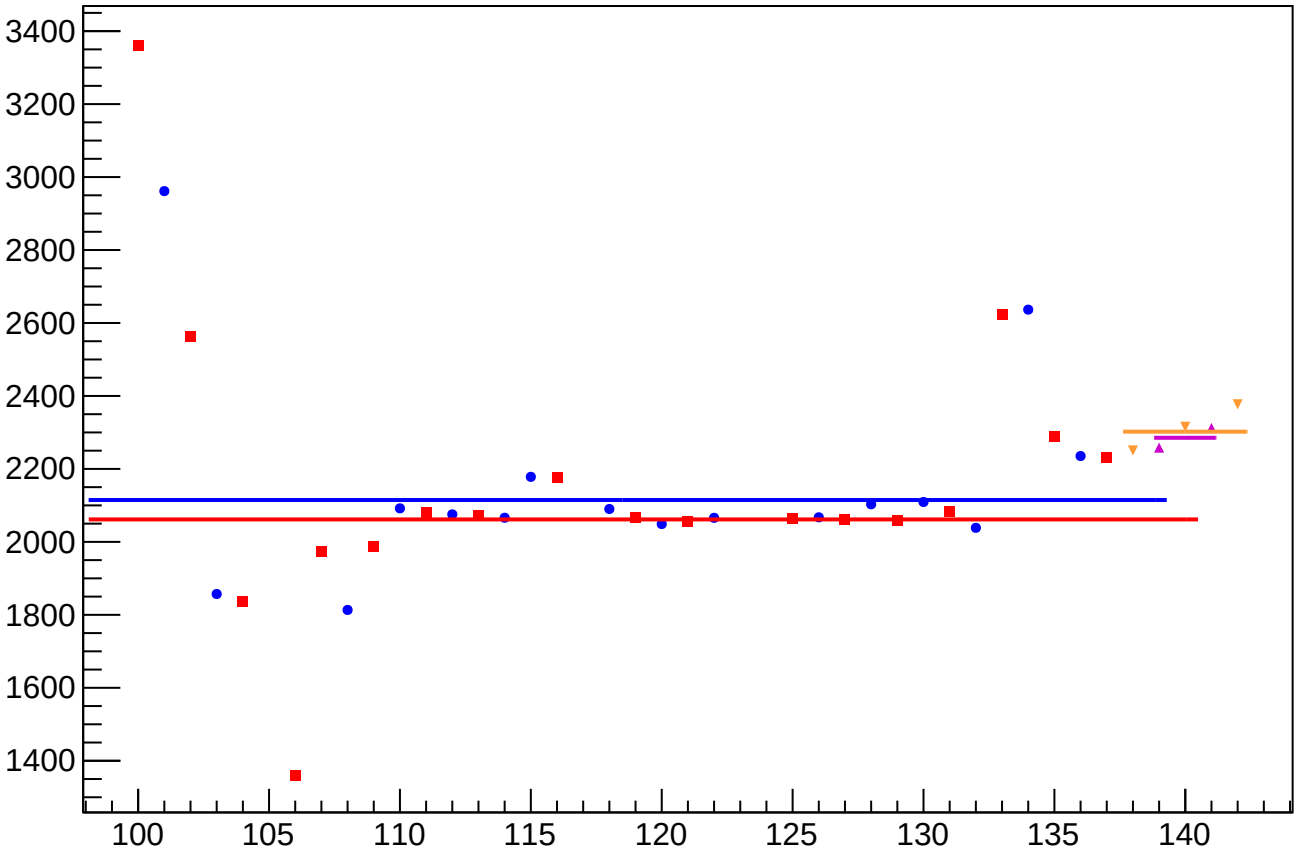
Left: -121.070+/-1177.815 χ^2/NDF: 8.9/4

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1852.722+/-720.753 χ^2/NDF:11.1/17

Out: 733.753+/-699.261 χ^2/NDF:18.3/20

All: -520.347+/-501.878 χ^2/NDF: 36.0/38



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

Left: 2294.420+/-0.833 χ^2/NDF: 2338.1/4

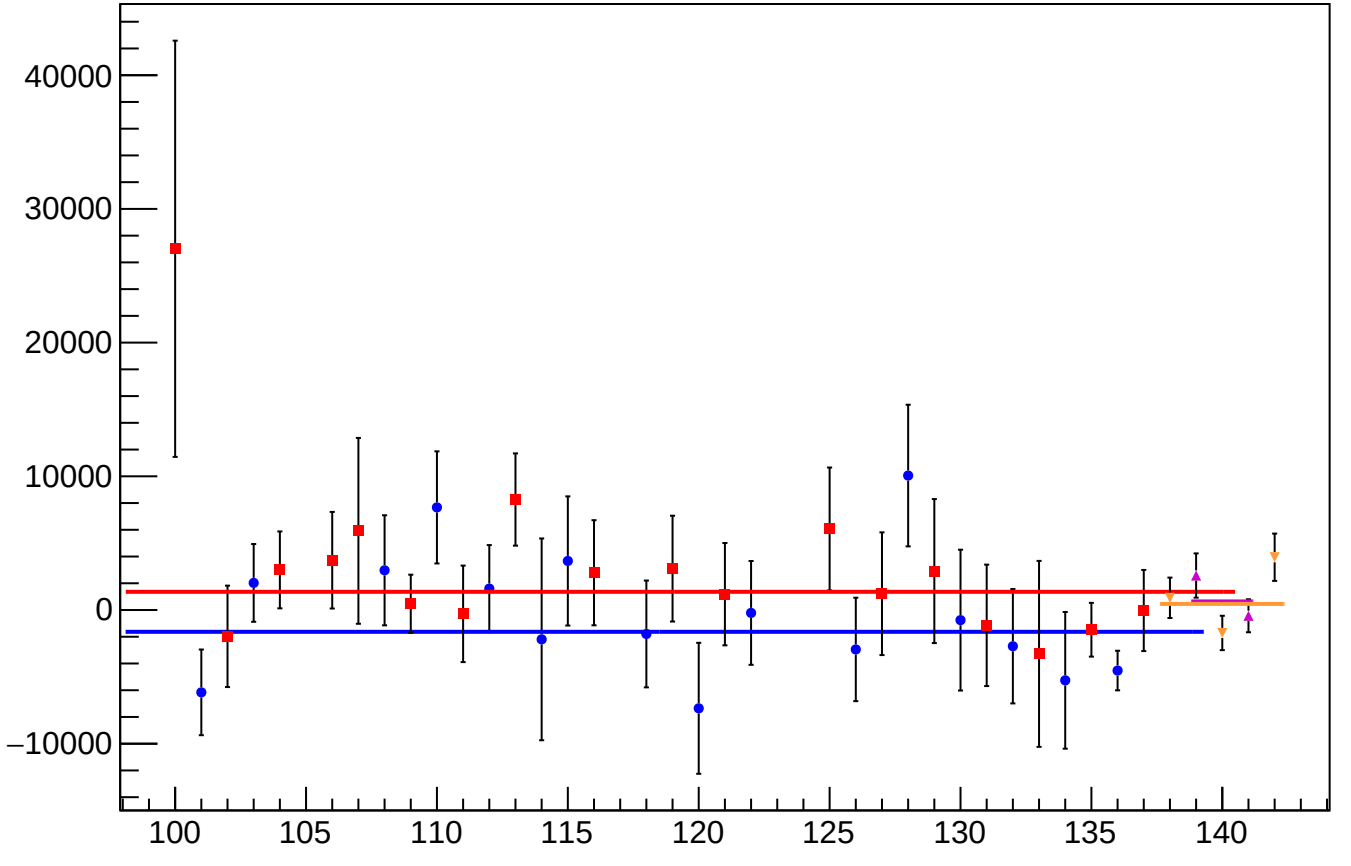
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2144.123+/-0.510 χ^2/NDF:206368.7/17

Out: 2107.373+/-0.494 χ^2/NDF:287440.6/20

All: 2125.192+/-0.355 χ^2/NDF: 496488.0/38

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: 455.995+/-856.711 χ^2/NDF:6.8/2

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 641.736+/-989.131 χ^2/NDF:2.1/1

Left: 535.608+/-647.581 χ^2/NDF: 9.0/4

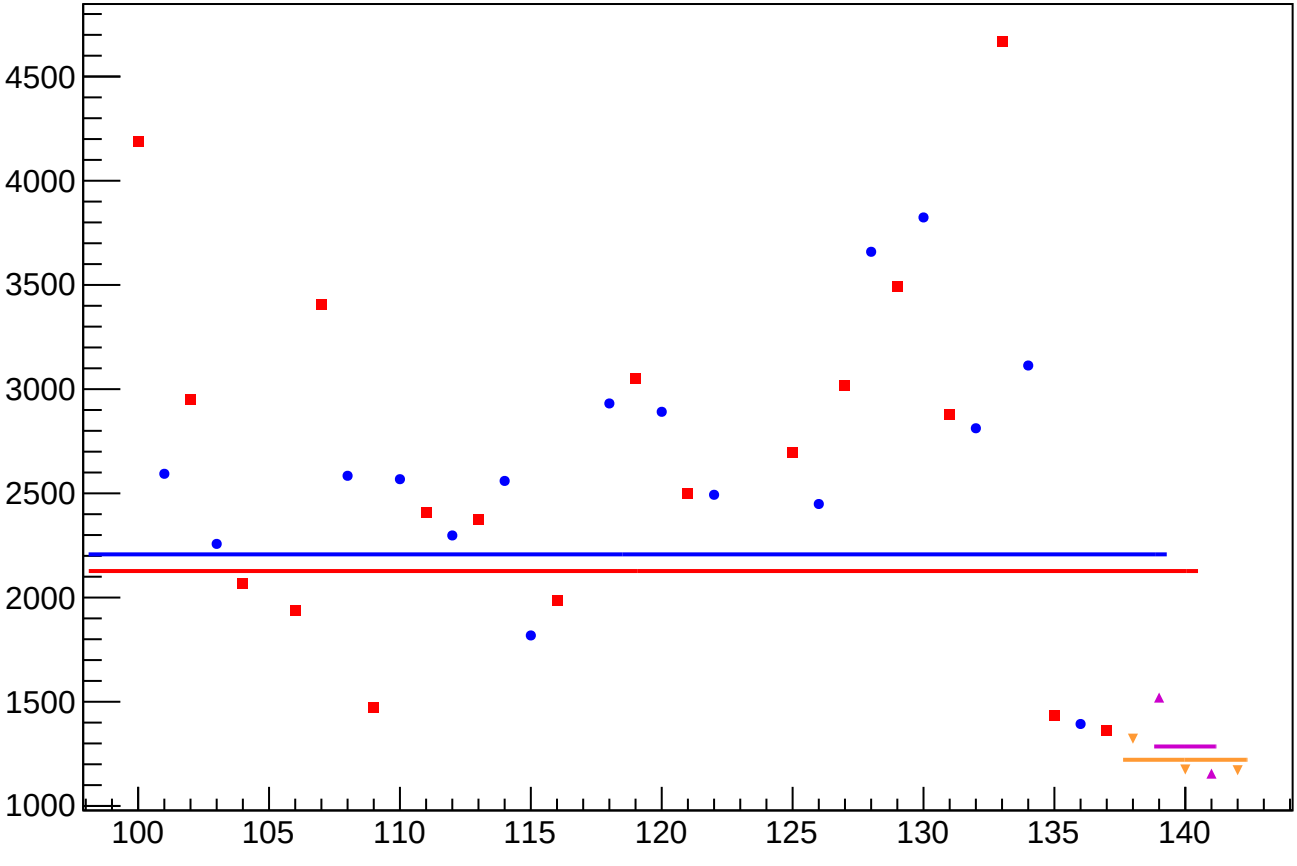
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -649.147+/-650.035 χ^2/NDF:28.0/17

Out: 917.614+/-599.942 χ^2/NDF:20.9/20

All: 196.920+/-440.870 χ^2/NDF: 52.0/38

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1221.608+/-0.606 χ^2/NDF:13206.6/2

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1285.400+/-0.699 χ^2/NDF:62476.7/1

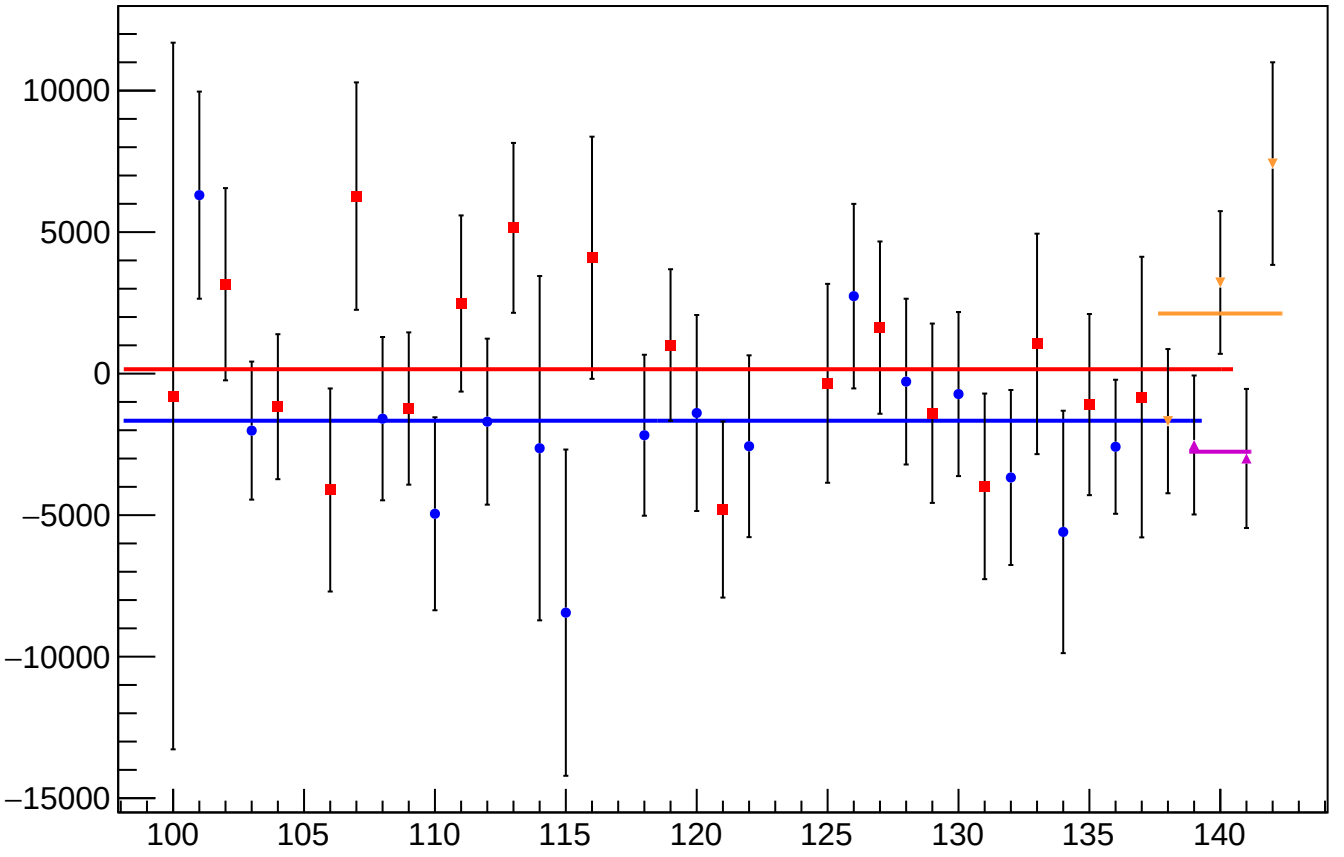
Left: 1248.951+/-0.458 χ^2/NDF: 80436.4/4

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1809.122+/-0.460 χ^2/NDF:2298669.0/17

Out: 1683.110+/-0.424 χ^2/NDF:2610135.3/20

All: 1741.074+/-0.312 χ^2/NDF: 4949390.8/38



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2124.061+/-1602.445 χ^2/NDF:4.6/2

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -2758.996+/-1737.050 χ^2/NDF:0.0/1

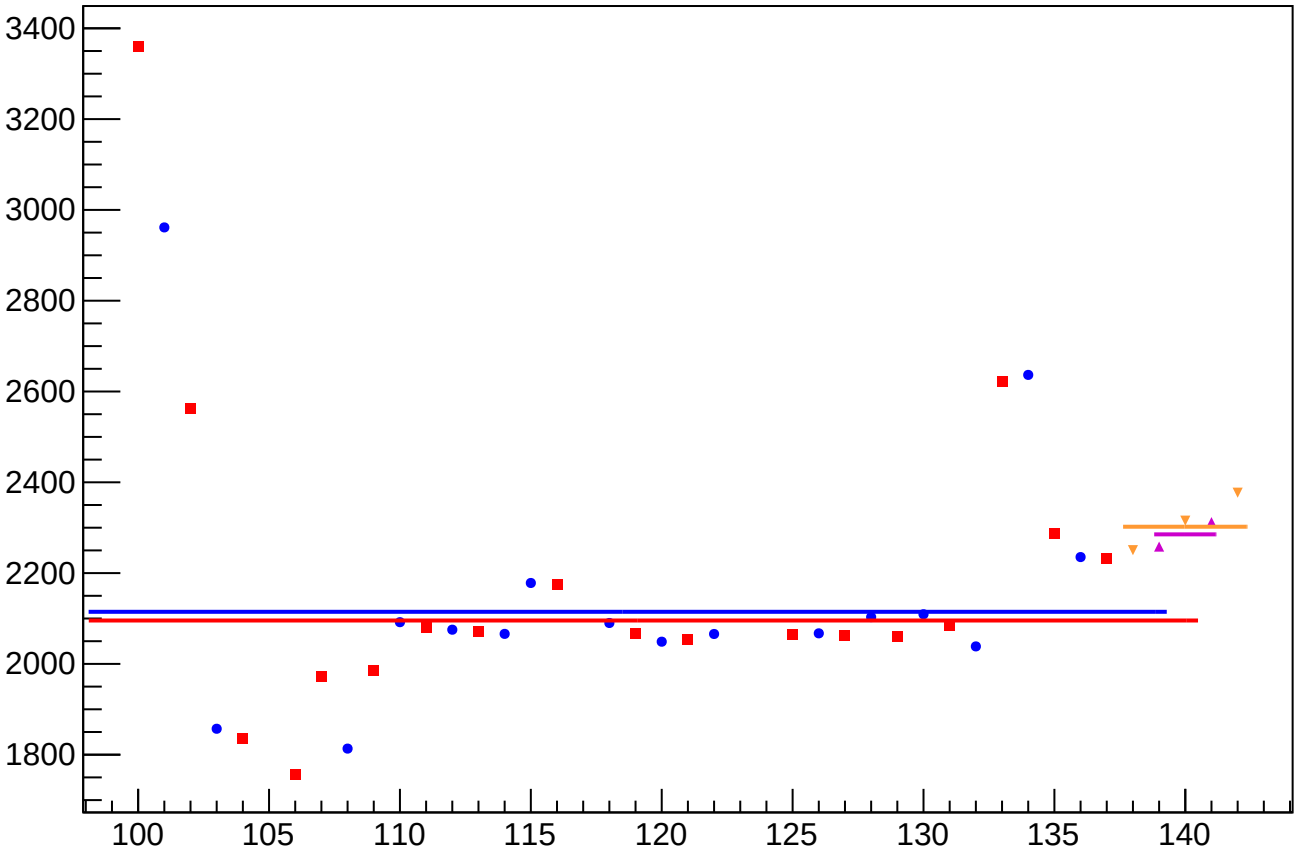
Left: -120.966+/-1177.815 χ^2/NDF: 8.9/4

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1852.713+/-720.753 χ^2/NDF:11.1/17

Out: 537.083+/-705.305 χ^2/NDF:20.0/20

All: -631.930+/-504.099 χ^2/NDF: 36.8/38



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

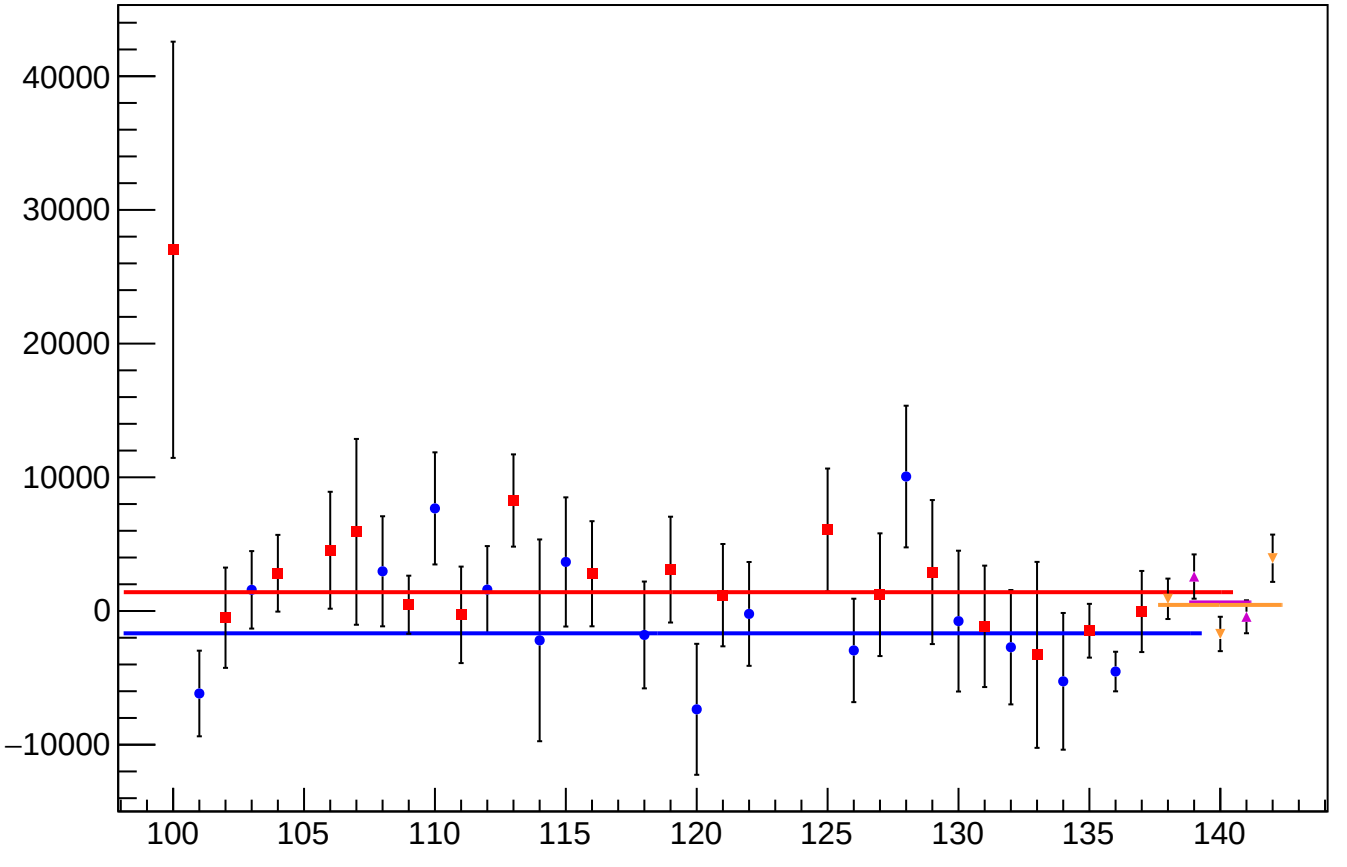
Left: 2294.420+/-0.833 χ^2/NDF: 2338.1/4

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.123+/-0.510 χ^2/NDF:206369.0/17

Out: 2135.611+/-0.499 χ^2/NDF:177908.0/20

All: 2139.775+/-0.356 χ^2/NDF: 384419.6/38



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 455.834+/-856.730 χ^2/NDF:6.8/2

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 641.880+/-989.112 χ^2/NDF:2.1/1

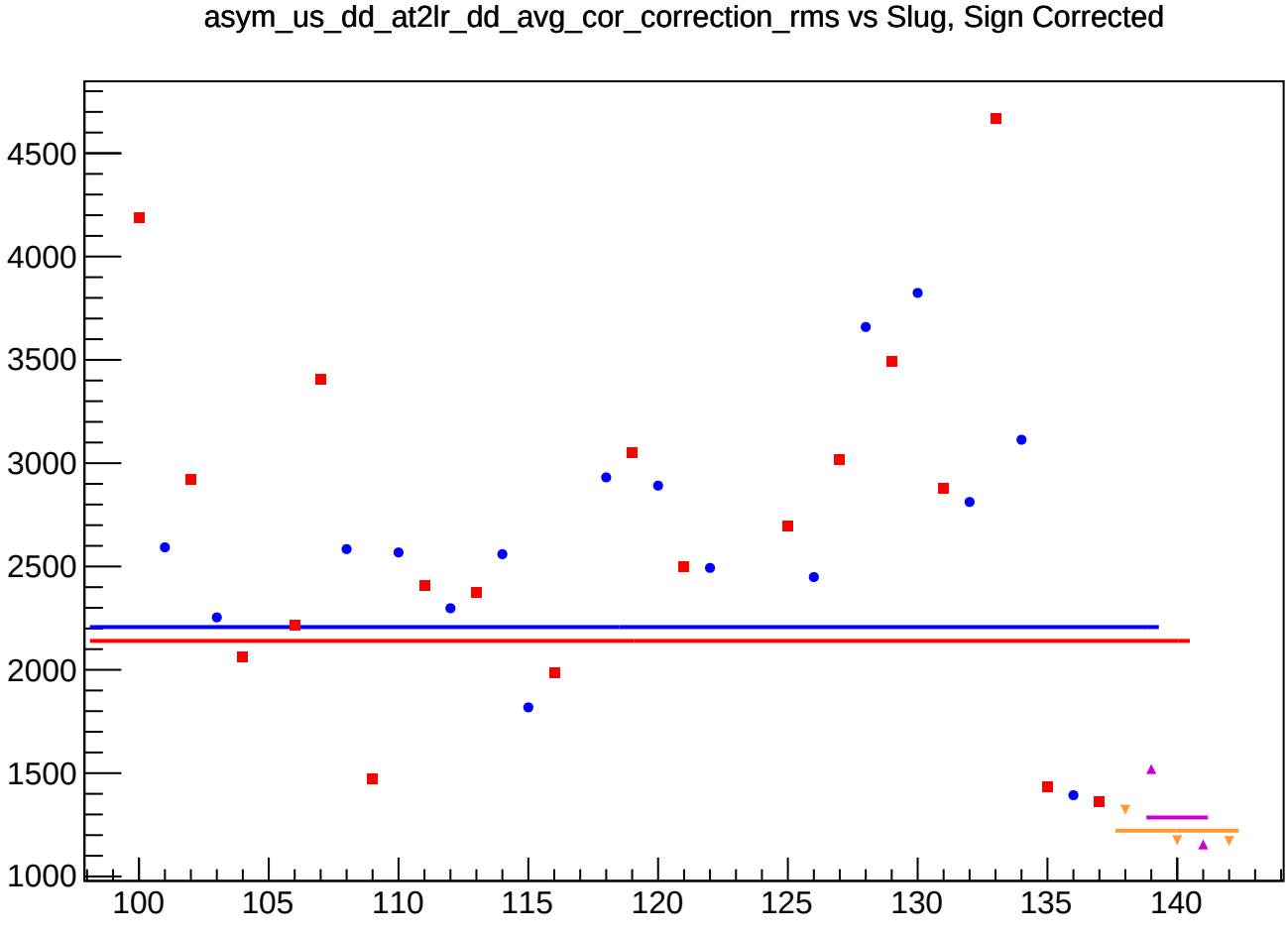
Left: 535.582+/-647.584 χ^2/NDF: 9.0/4

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -671.039+/-649.904 χ^2/NDF:27.7/17

Out: 937.303+/-602.355 χ^2/NDF:20.4/20

All: 194.115+/-441.784 χ^2/NDF: 51.5/38



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1221.638+/-0.606 χ^2/NDF:13197.1/2

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1285.373+/-0.699 χ^2/NDF:62491.4/1

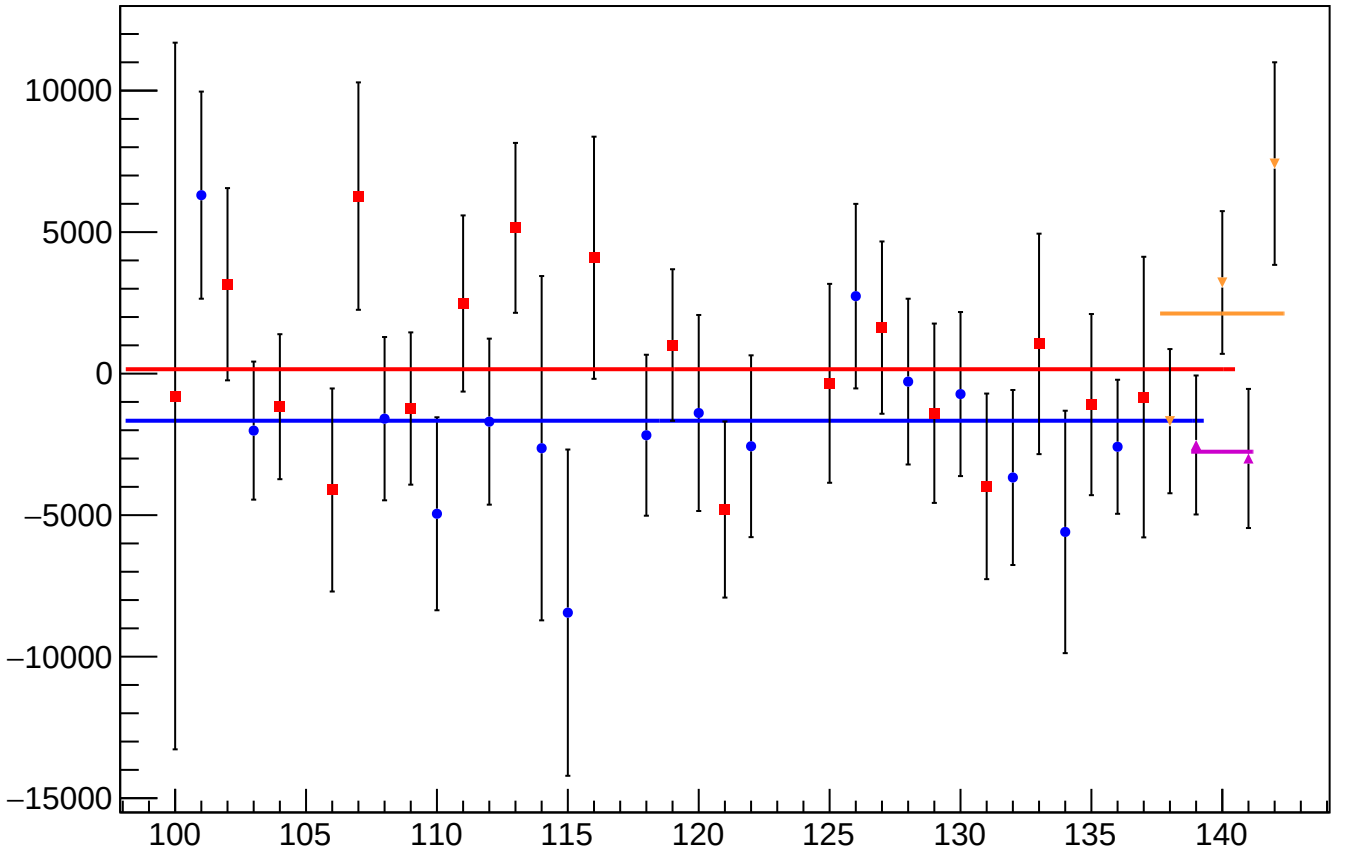
Left: 1248.958+/-0.458 χ^2/NDF: 80433.2/4

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1809.063+/-0.460 χ^2/NDF:2298090.1/17

Out: 1686.057+/-0.426 χ^2/NDF:2623800.0/20

All: 1742.896+/-0.312 χ^2/NDF: 4960429.2/38



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2124.061+/-1602.445 χ^2/NDF:4.6/2

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -2758.996+/-1737.050 χ^2/NDF:0.0/1

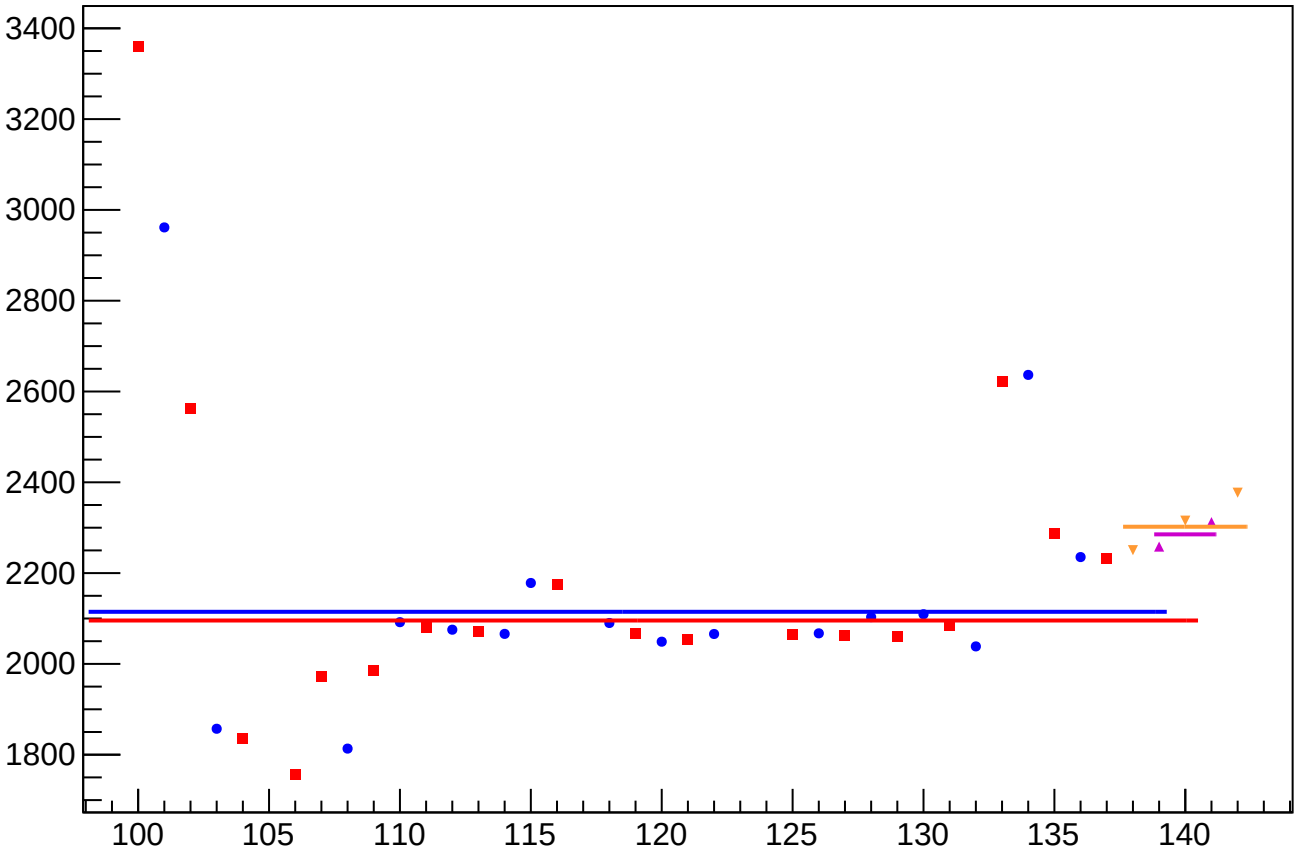
Left: -120.966+/-1177.815 χ^2/NDF: 8.9/4

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1852.713+/-720.753 χ^2/NDF:11.1/17

Out: 537.083+/-705.305 χ^2/NDF:20.0/20

All: -631.930+/-504.099 χ^2/NDF: 36.8/38



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2302.149+/-1.133 χ^2/NDF:1755.4/2

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2285.337+/-1.228 χ^2/NDF:481.5/1

Left: 2294.420+/-0.833 χ^2/NDF: 2338.1/4

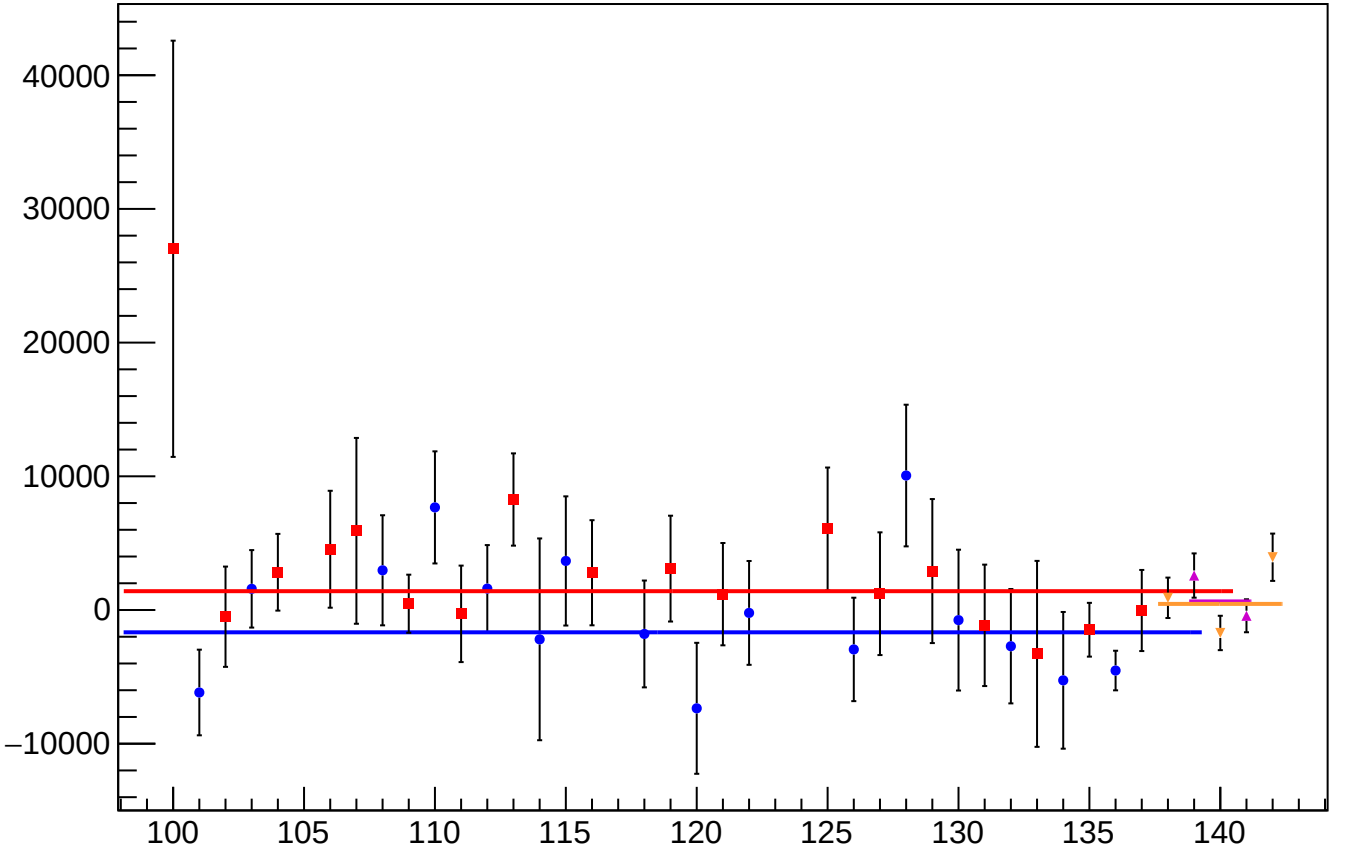
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.123+/-0.510 χ^2/NDF:206369.0/17

Out: 2135.611+/-0.499 χ^2/NDF:177908.0/20

All: 2139.775+/-0.356 χ^2/NDF: 384419.6/38

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: 455.834+/-856.730 χ^2/NDF:6.8/2

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 641.880+/-989.112 χ^2/NDF:2.1/1

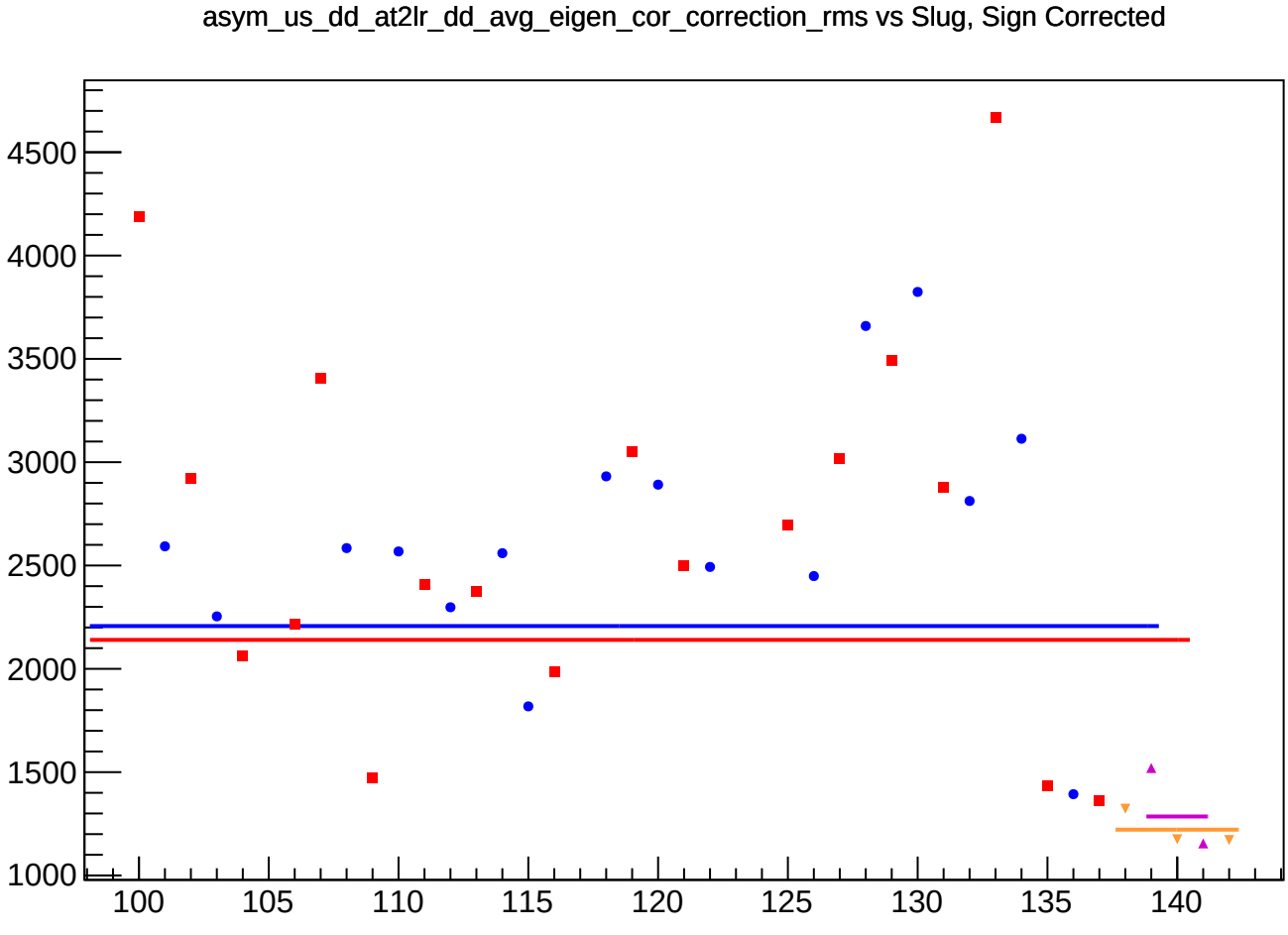
Left: 535.582+/-647.584 χ^2/NDF: 9.0/4

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -671.039+/-649.904 χ^2/NDF:27.7/17

Out: 937.303+/-602.355 χ^2/NDF:20.4/20

All: 194.115+/-441.784 χ^2/NDF: 51.5/38



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1221.638+/-0.606 χ^2/NDF:13197.1/2

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1285.373+/-0.699 χ^2/NDF:62491.4/1

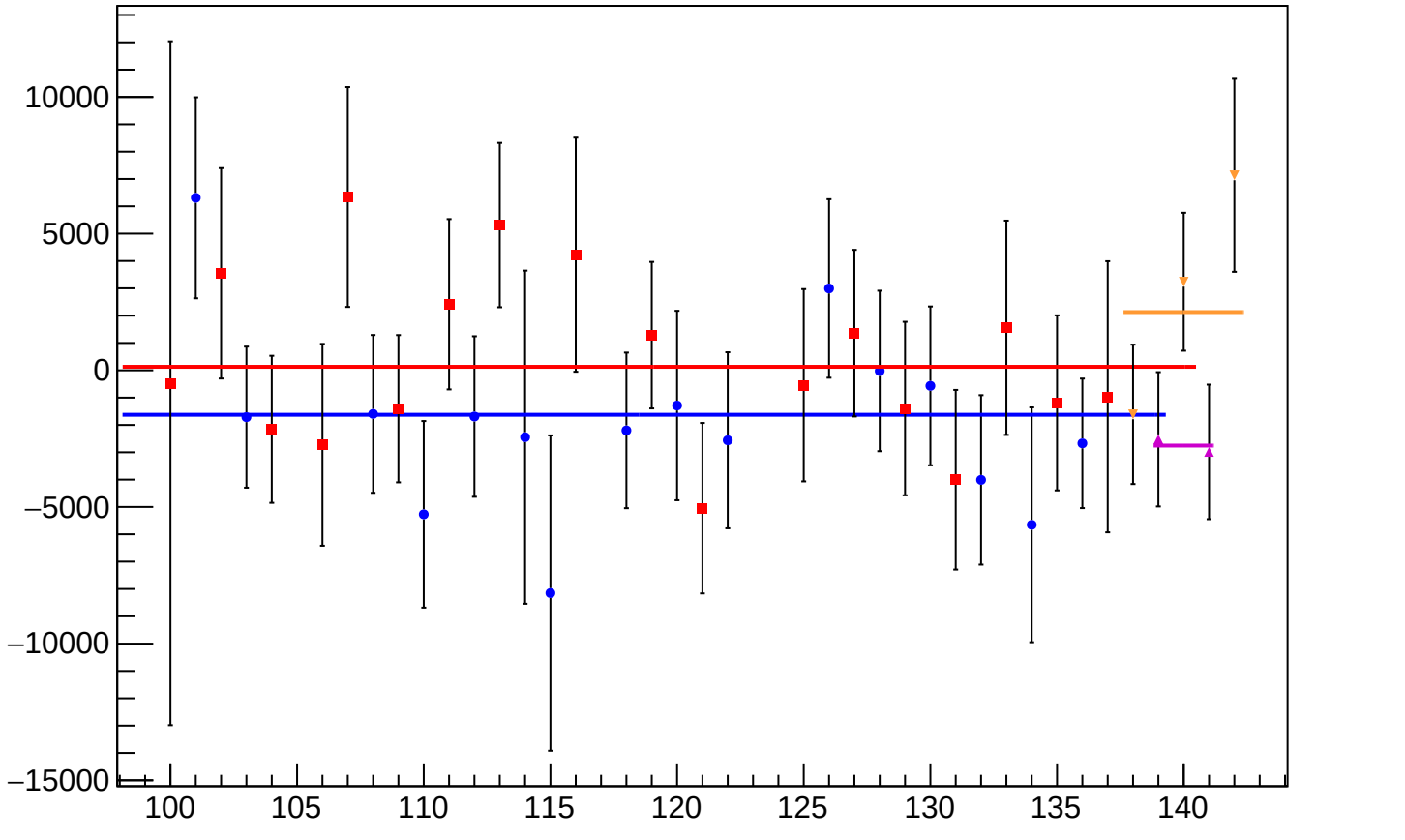
Left: 1248.958+/-0.458 χ^2/NDF: 80433.2/4

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1809.063+/-0.460 χ^2/NDF:2298090.1/17

Out: 1686.057+/-0.426 χ^2/NDF:2623800.0/20

All: 1742.896+/-0.312 χ^2/NDF: 4960429.2/38



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2130.552+/-1599.549 χ^2/NDF:4.4/2

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -2755.207+/-1738.804 χ^2/NDF:0.0/1

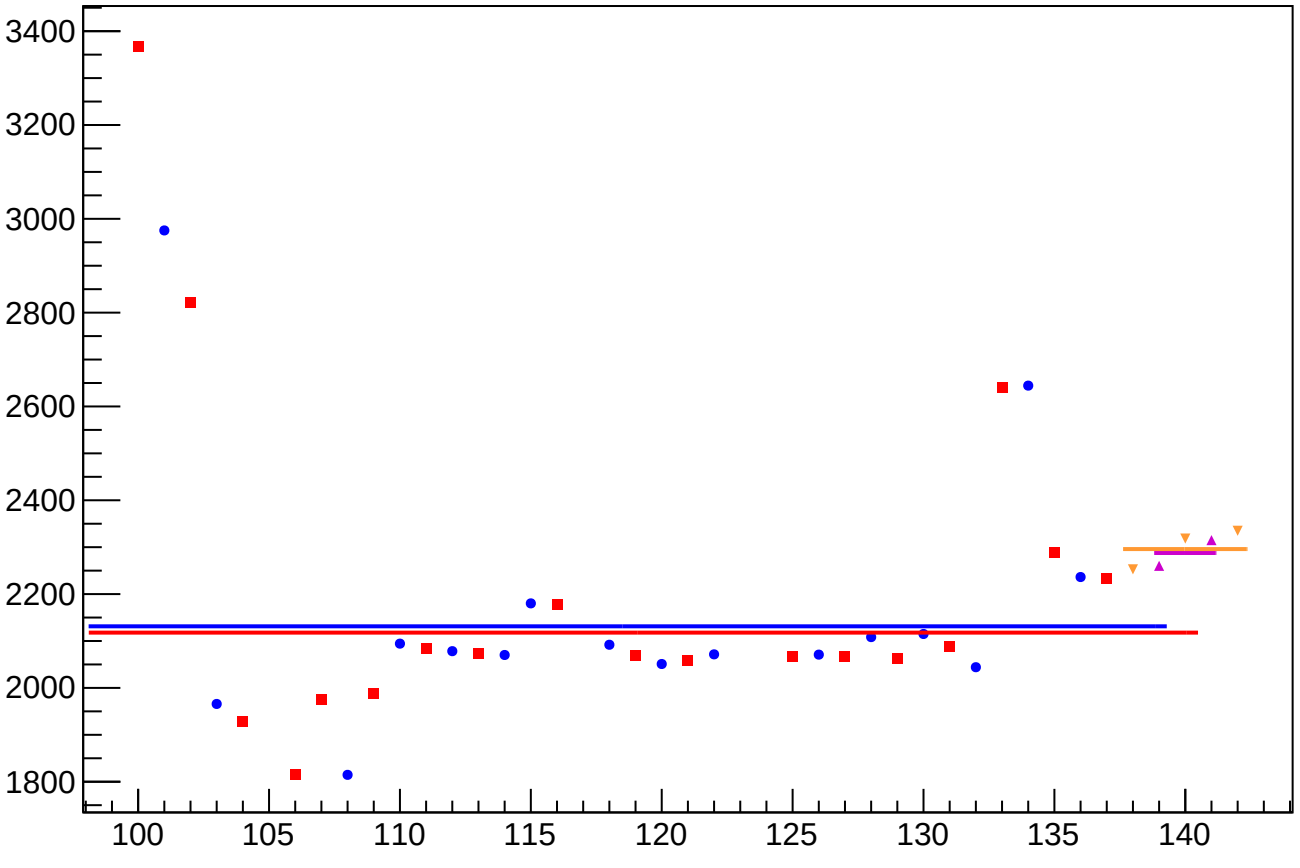
Left: -108.877+/-1177.209 χ^2/NDF: 8.6/4

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1823.794+/-725.243 χ^2/NDF:11.7/17

Out: 525.487+/-712.563 χ^2/NDF:20.2/20

All: -628.437+/-508.282 χ^2/NDF: 37.2/38



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2295.976+/-1.131 χ^2/NDF:975.7/2

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.614+/-1.230 χ^2/NDF:496.5/1

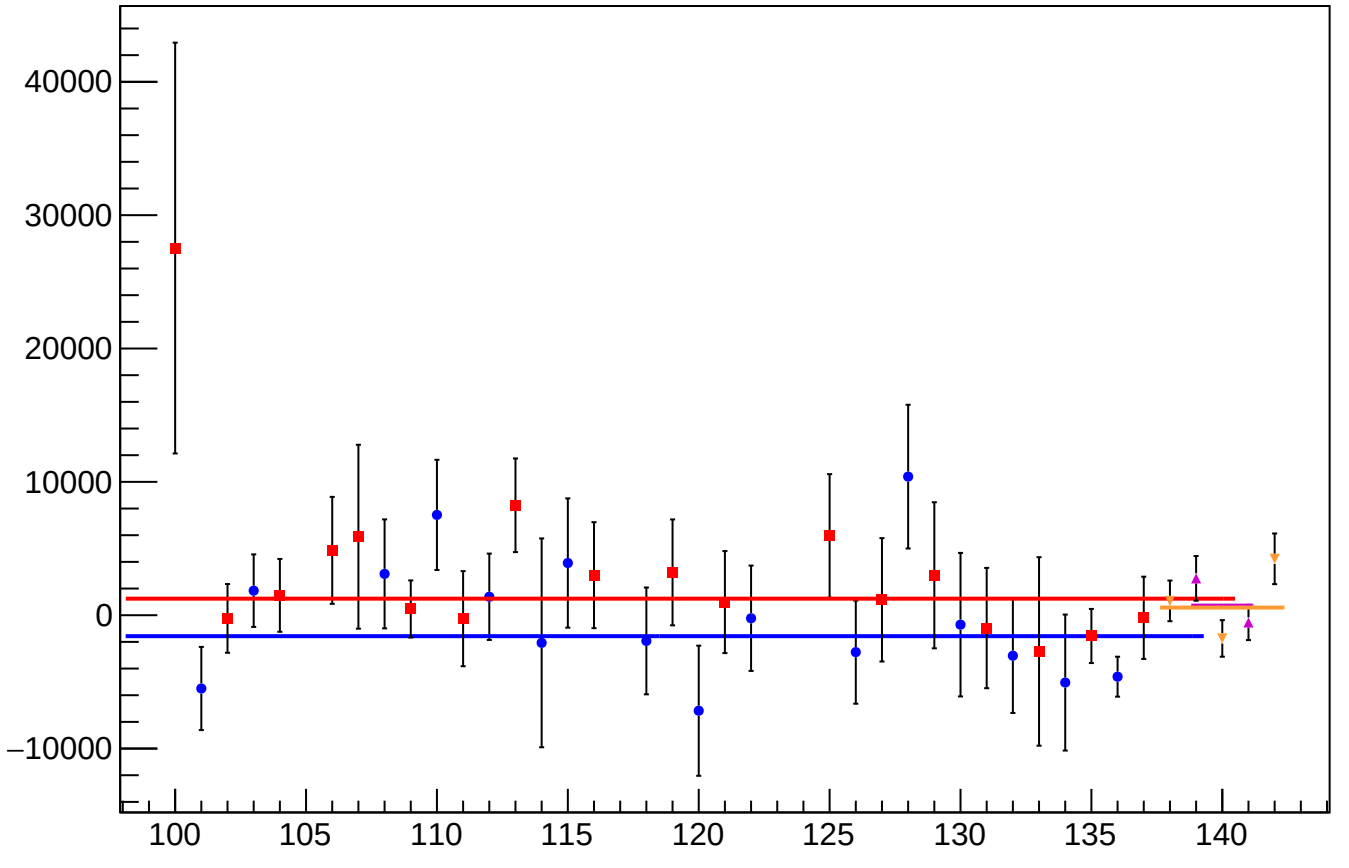
Left: 2292.143+/-0.832 χ^2/NDF: 1497.3/4

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2158.492+/-0.513 χ^2/NDF:189791.4/17

Out: 2153.213+/-0.504 χ^2/NDF:184474.8/20

All: 2155.806+/-0.359 χ^2/NDF: 374320.1/38



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: 573.023+/-898.615 χ^2/NDF:6.7/2

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 718.593+/-1037.432 χ^2/NDF:2.4/1

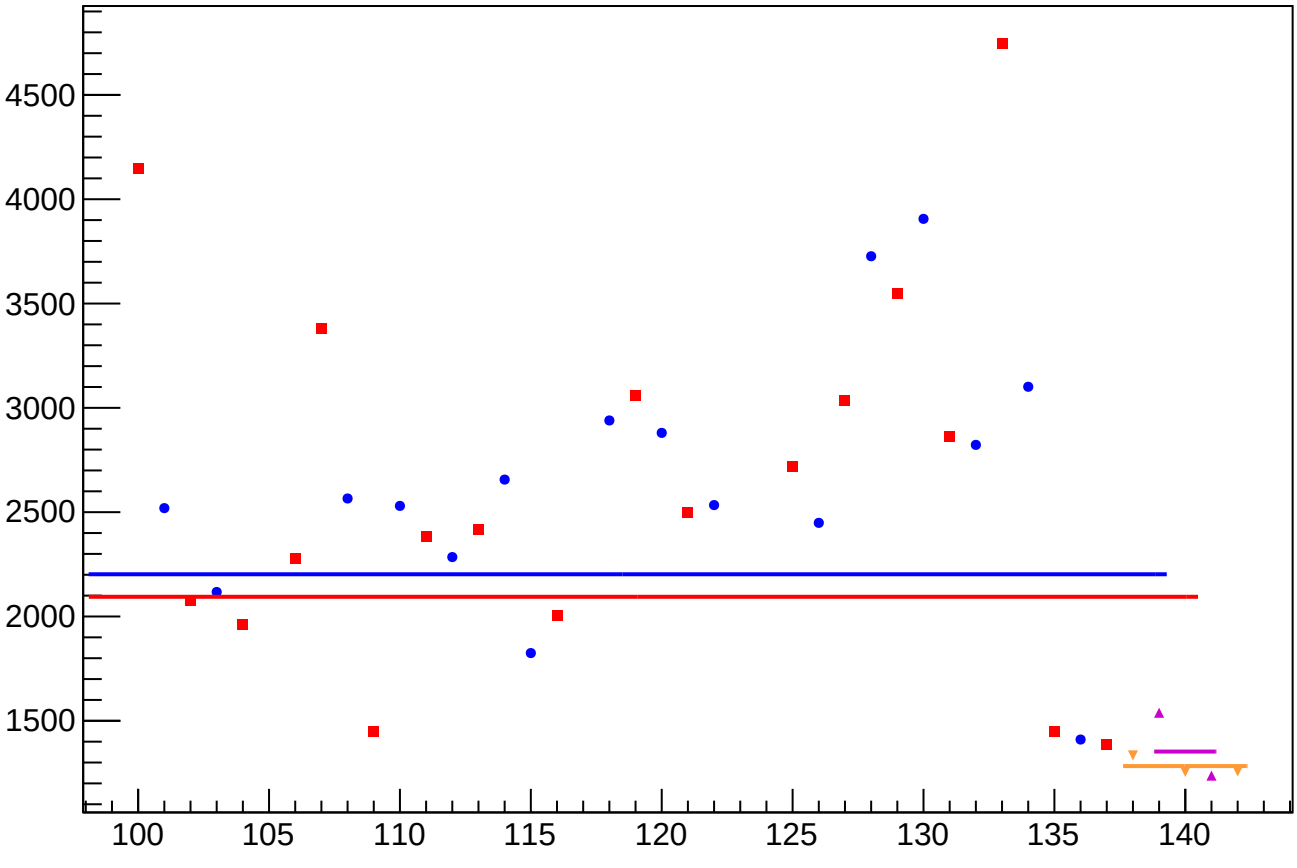
Left: 635.424+/-679.233 χ^2/NDF: 9.1/4

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -638.811+/-661.977 χ^2/NDF:27.9/17

Out: 937.598+/-605.627 χ^2/NDF:20.0/20

All: 219.333+/-446.839 χ^2/NDF: 51.0/38



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1282.996+/-0.635 χ^2/NDF:3439.5/2

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1352.550+/-0.734 χ^2/NDF:39851.9/1

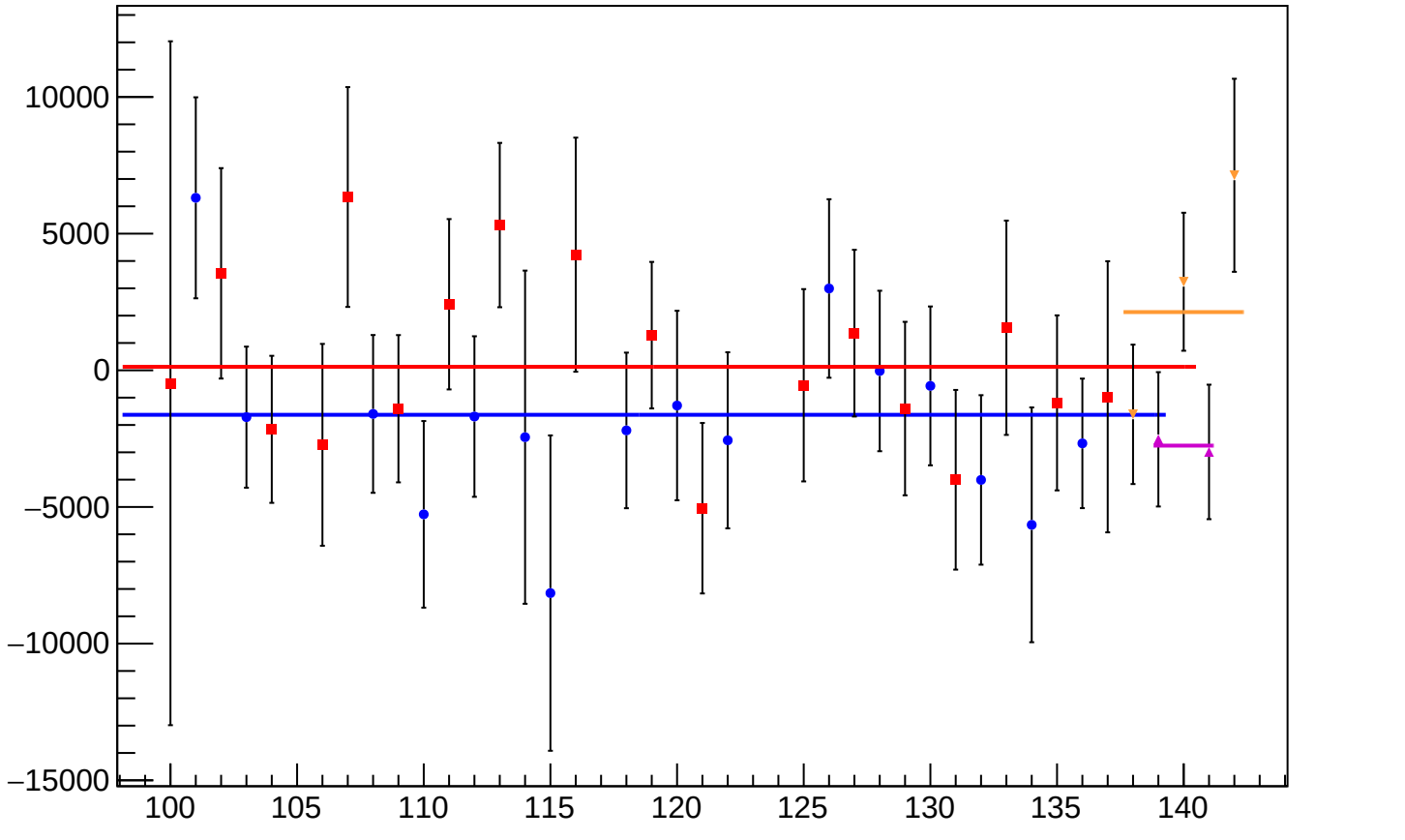
Left: 1312.811+/-0.480 χ^2/NDF: 48427.7/4

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1856.362+/-0.468 χ^2/NDF:2058445.5/17

Out: 1725.872+/-0.428 χ^2/NDF:2267190.0/20

All: 1785.327+/-0.316 χ^2/NDF: 4367940.4/38



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2130.562+/-1599.549 χ^2/NDF:4.4/2

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -2755.184+/-1738.805 χ^2/NDF:0.0/1

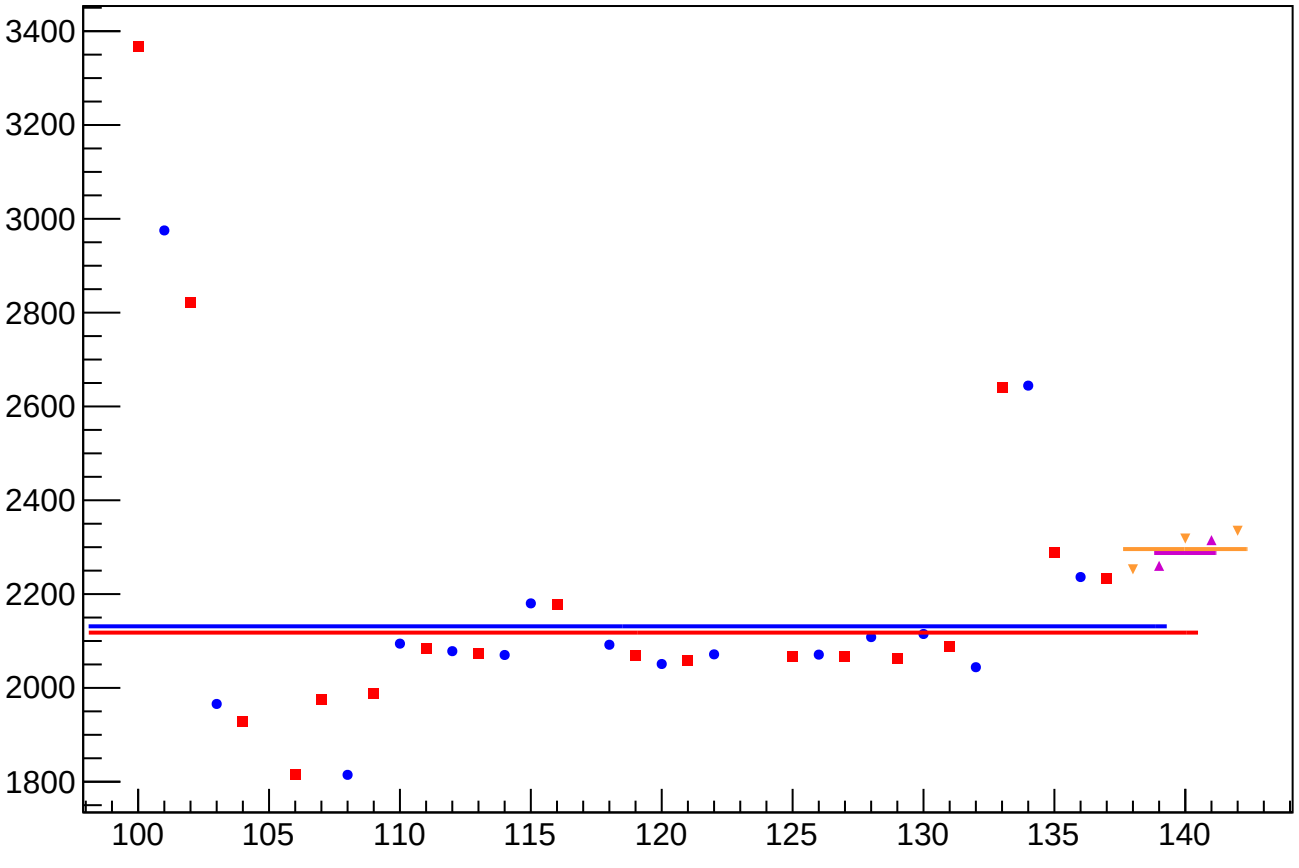
Left: -108.862+/-1177.209 χ^2/NDF: 8.6/4

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1823.792+/-725.243 χ^2/NDF:11.7/17

Out: 525.484+/-712.563 χ^2/NDF:20.2/20

All: -628.438+/-508.282 χ^2/NDF: 37.2/38



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2295.976+/-1.131 χ^2/NDF:975.7/2

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.614+/-1.230 χ^2/NDF:496.5/1

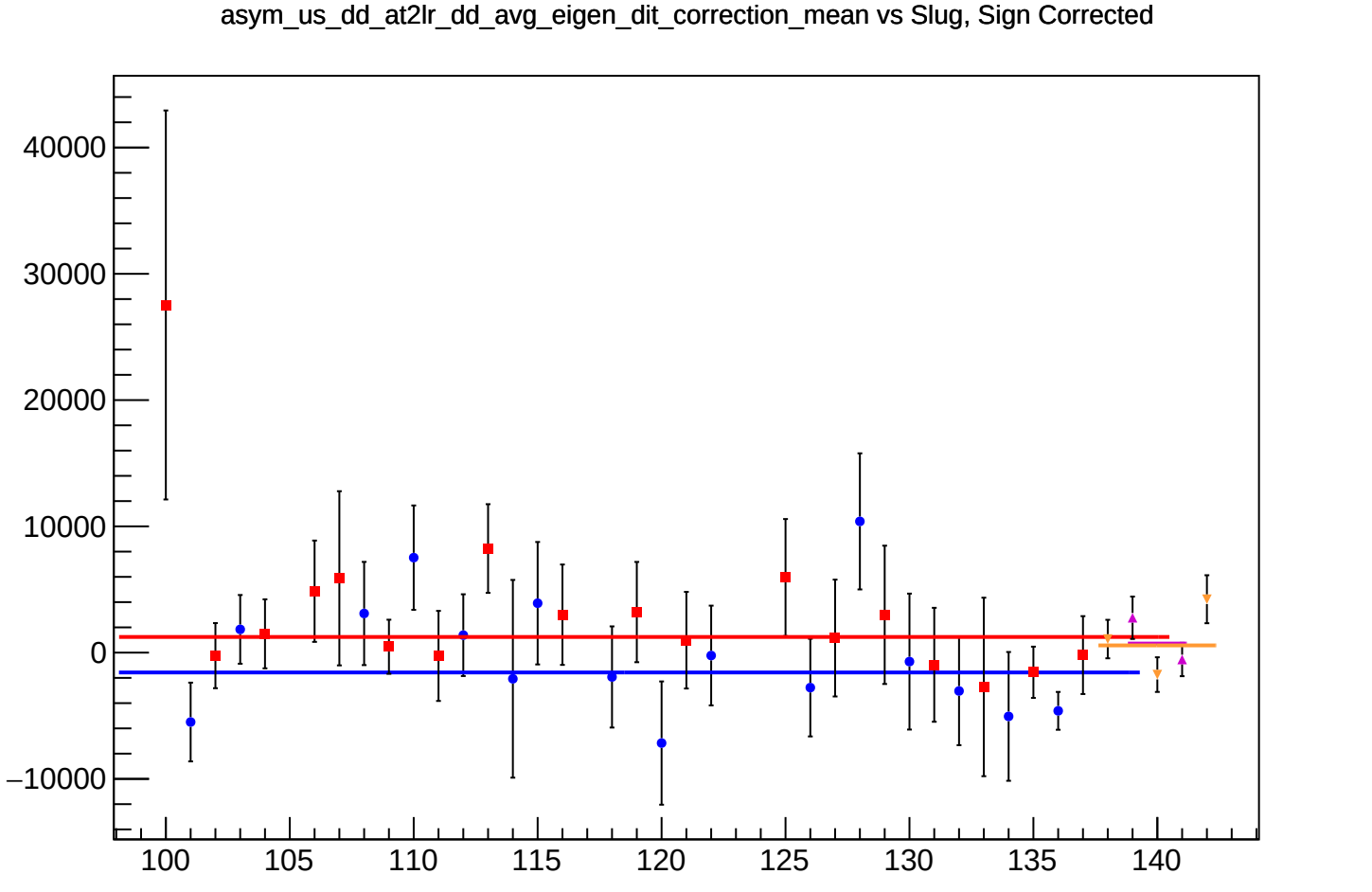
Left: 2292.144+/-0.832 χ^2/NDF: 1497.3/4

Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

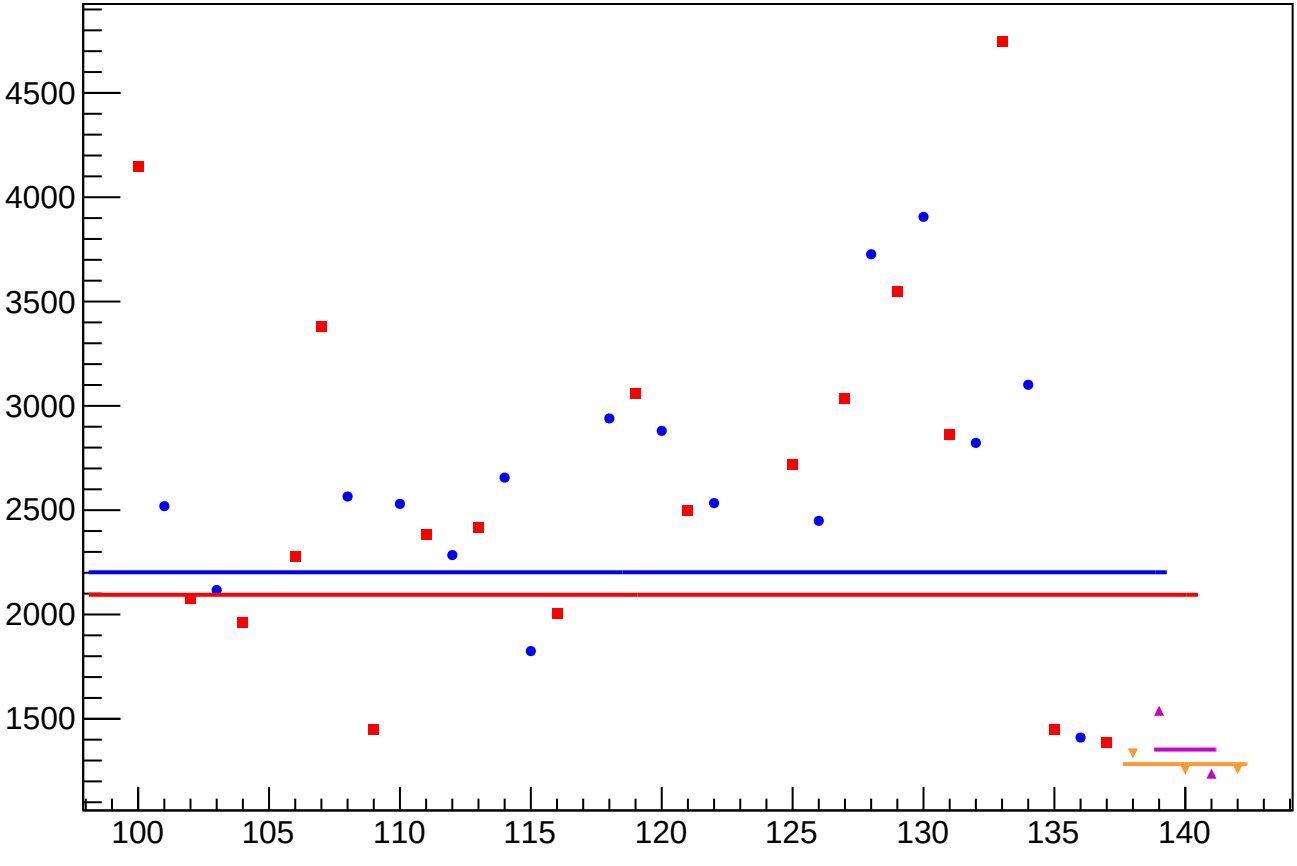
In: 2158.492+/-0.513 χ^2/NDF:189791.4/17

Out: 2153.213+/-0.504 χ^2/NDF:184474.7/20

All: 2155.806+/-0.359 χ^2/NDF: 374320.1/38


asym_us_dd_at2lr_dd_avg_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: -1571.058+/-859.757 χ²/NDF: 22.6/15
Left Out: 573.030+/-898.624 χ²/NDF:6.7/2
Right Out: 1241.023+/-819.778 χ²/NDF: 13.1/17
Left In: 718.585+/-1037.442 χ²/NDF:2.4/1
Left: 635.424+/-679.240 χ²/NDF: 9.1/4
Right: -98.119+/-593.301 χ²/NDF: 41.3/33
In: -638.813+/-661.980 χ²/NDF:27.9/17
Out: 937.612+/-605.631 χ²/NDF:20.0/20
All: 219.339+/-446.841 χ²/NDF: 51.0/38

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: 1283.007+/-0.635 χ^2/NDF:3441.7/2

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1352.562+/-0.734 χ^2/NDF:39857.5/1

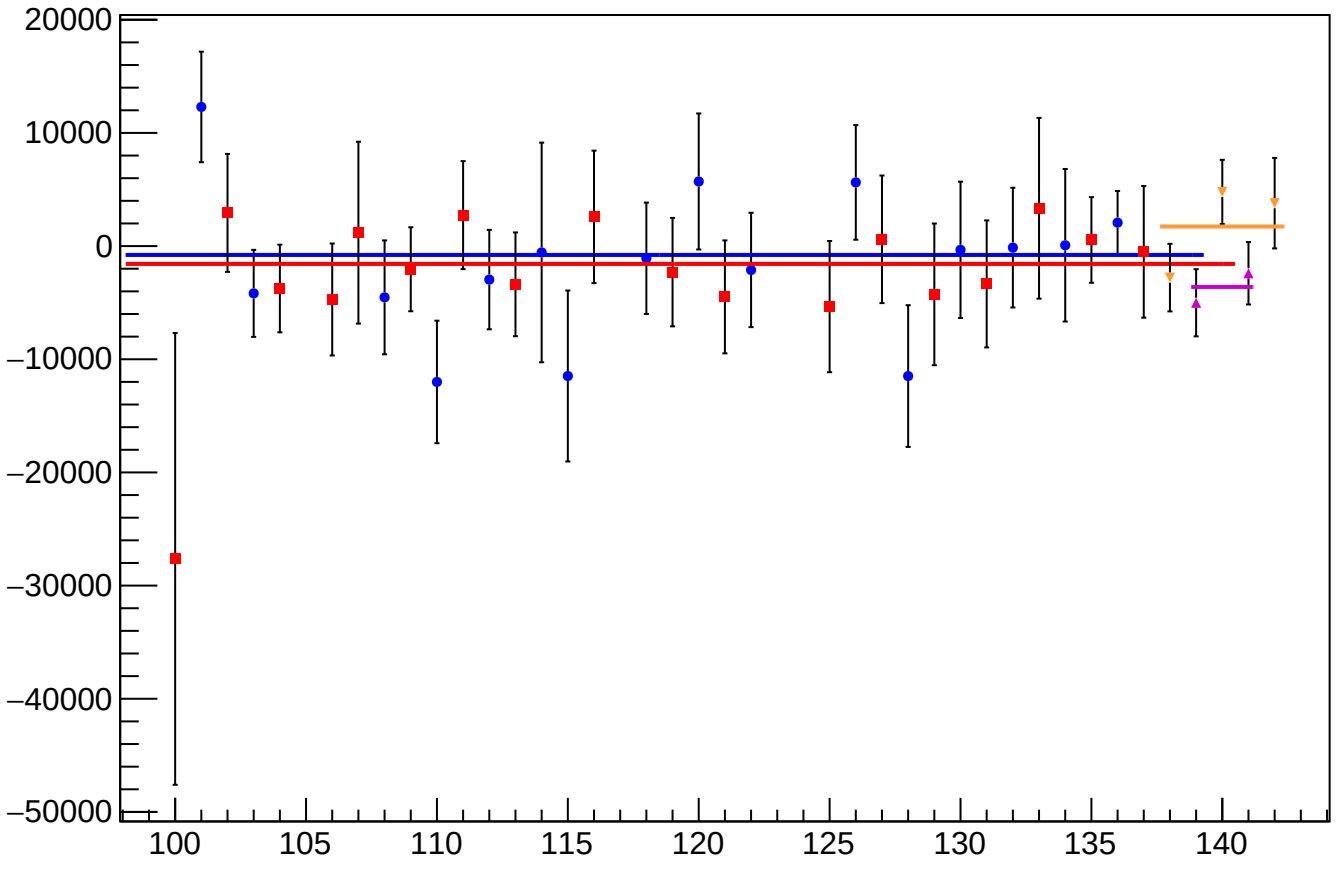
Left: 1312.823+/-0.480 χ^2/NDF: 48435.4/4

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1856.376+/-0.468 χ^2/NDF:2058380.8/17

Out: 1725.886+/-0.428 χ^2/NDF:2267133.6/20

All: 1785.342+/-0.316 χ^2/NDF: 4367819.1/38



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1732.430+/-1829.324 χ^2/NDF:3.7/2

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -3610.260+/-2020.089 χ^2/NDF:0.4/1

Left: -674.797+/-1355.967 χ^2/NDF: 8.0/4

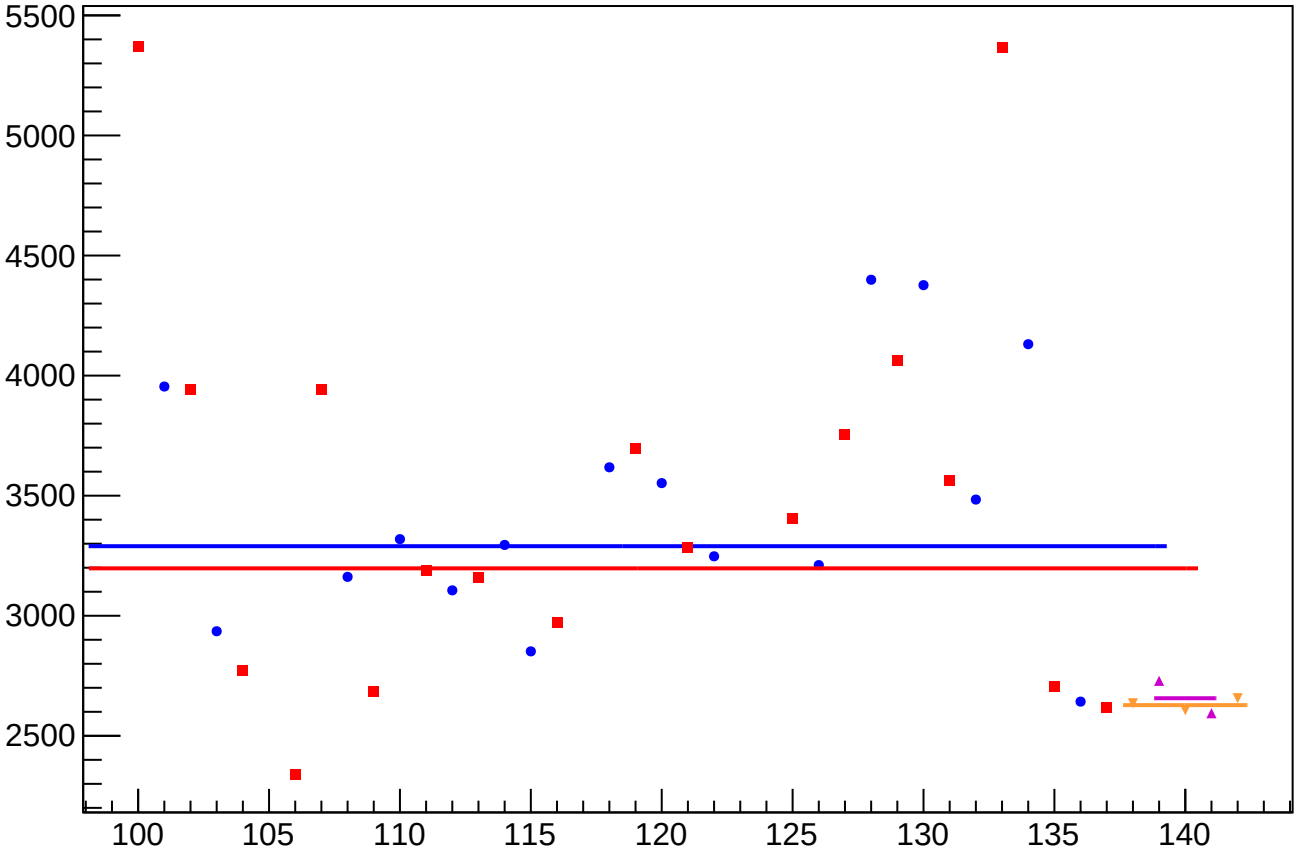
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1557.297+/-1057.846 χ^2/NDF:23.7/17

Out: -557.784+/-1014.387 χ^2/NDF:12.7/20

All: -1036.588+/-732.162 χ^2/NDF: 36.9/38

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: 2627.862+/-1.294 χ^2/NDF:231.2/2

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2656.549+/-1.428 χ^2/NDF:2214.0/1

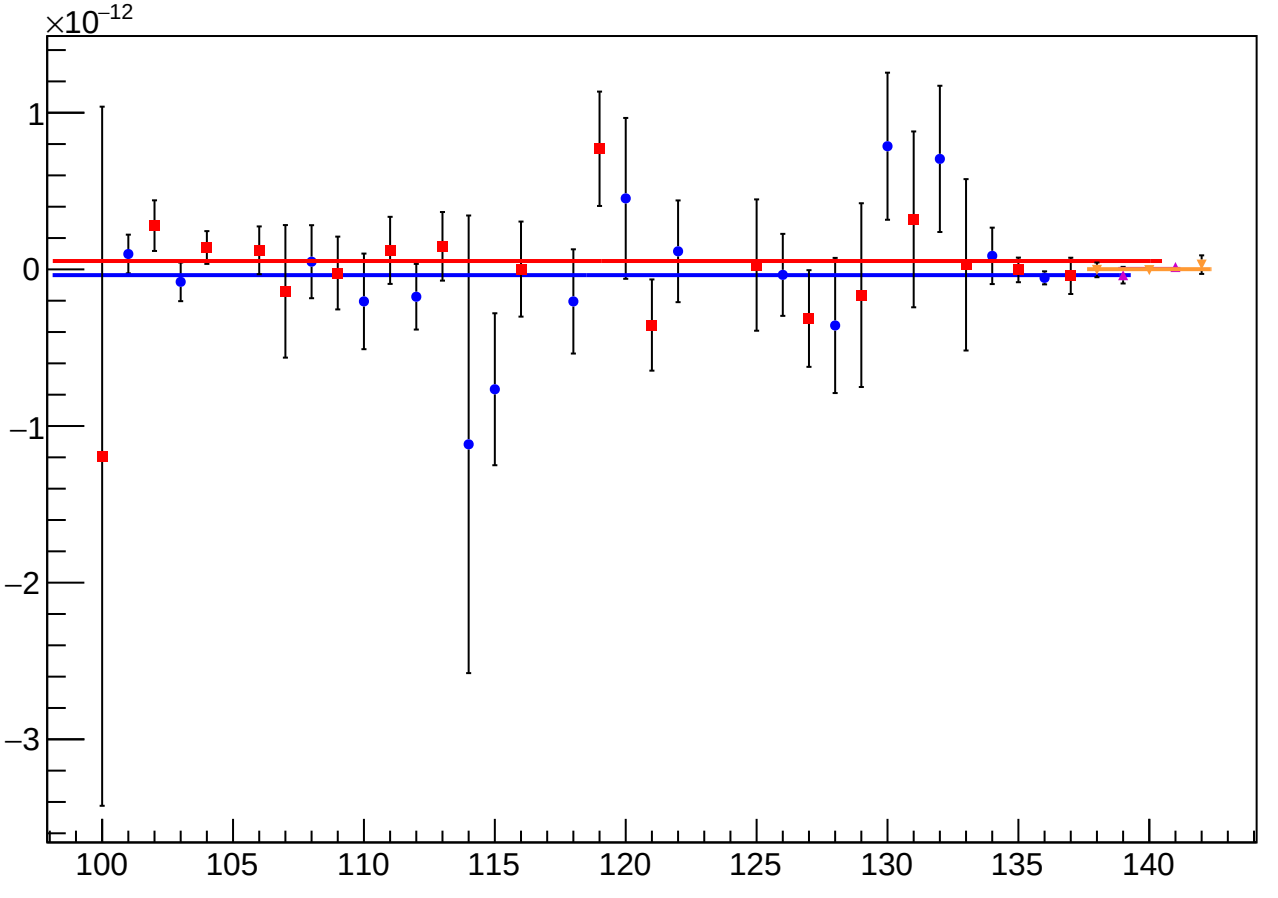
Left: 2640.787+/-0.959 χ^2/NDF: 2666.8/4

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3116.068+/-0.748 χ^2/NDF:492399.4/17

Out: 3022.261+/-0.717 χ^2/NDF:634407.4/20

All: 3067.198+/-0.518 χ^2/NDF: 1135000.3/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

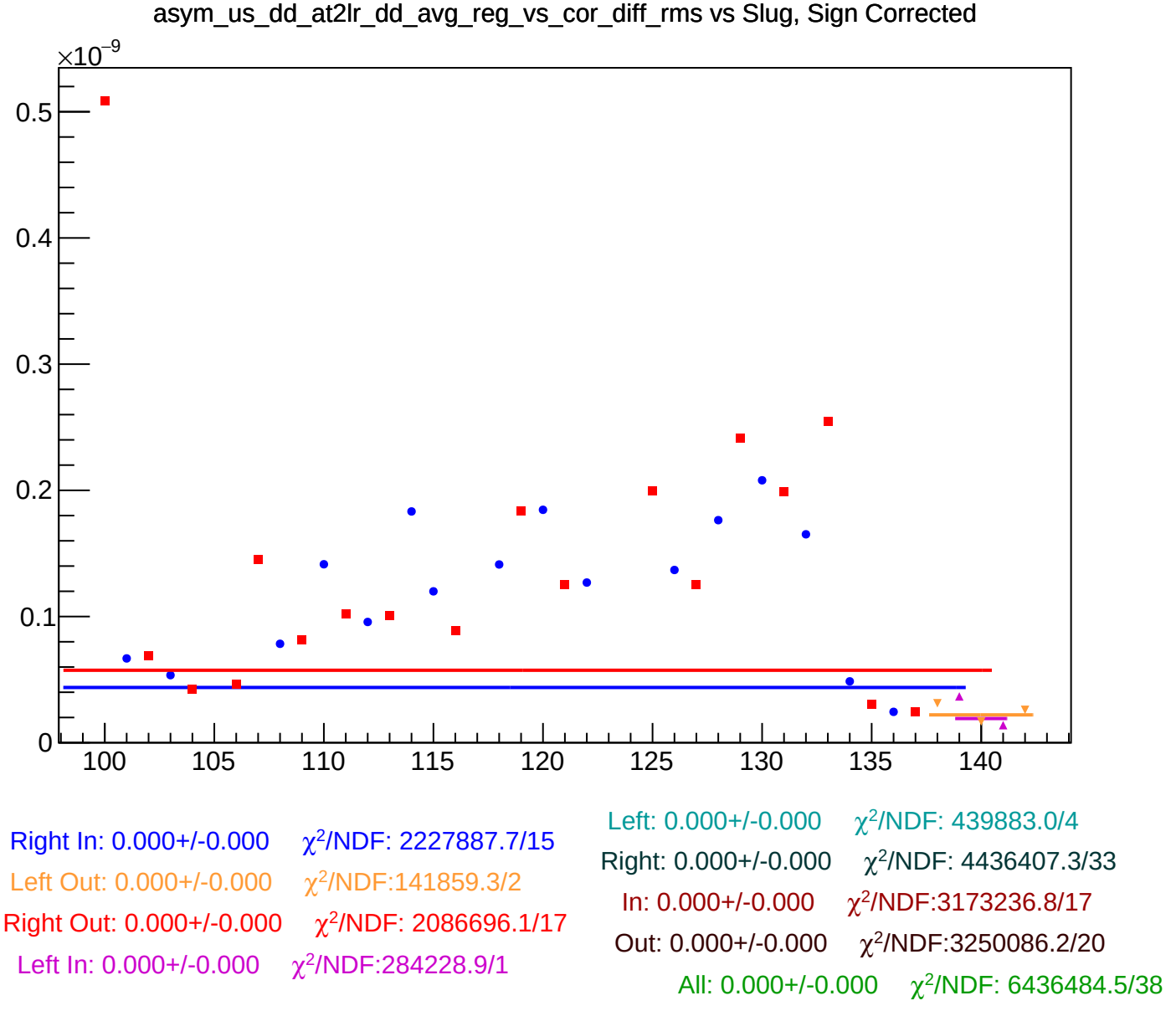
Left: 0.000+/-0.000 χ^2/NDF: 1.0/4

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

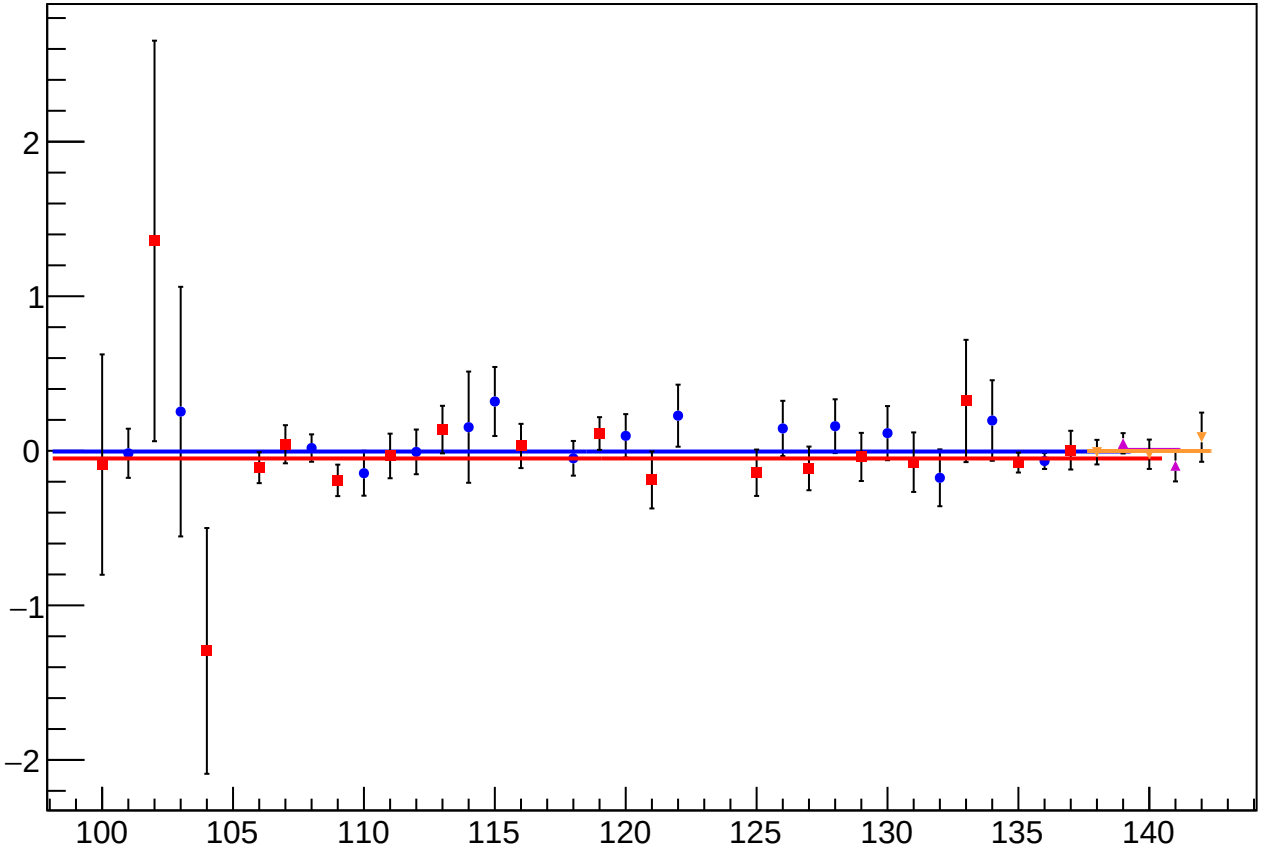
In: -0.000+/-0.000 χ^2/NDF:14.8/17

Out: 0.000+/-0.000 χ^2/NDF:14.0/20

All: 0.000+/-0.000 χ^2/NDF: 29.4/38


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:141859.3/2
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:284228.9/1
Left: 0.000+/-0.000 χ²/NDF: 439883.0/4
Right: 0.000+/-0.000 χ²/NDF: 4436407.3/33
In: 0.000+/-0.000 χ²/NDF:3173236.8/17
Out: 0.000+/-0.000 χ²/NDF:3250086.2/20
All: 0.000+/-0.000 χ²/NDF: 6436484.5/38

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: 0.003+/-0.040 χ^2/NDF: 1.8/4

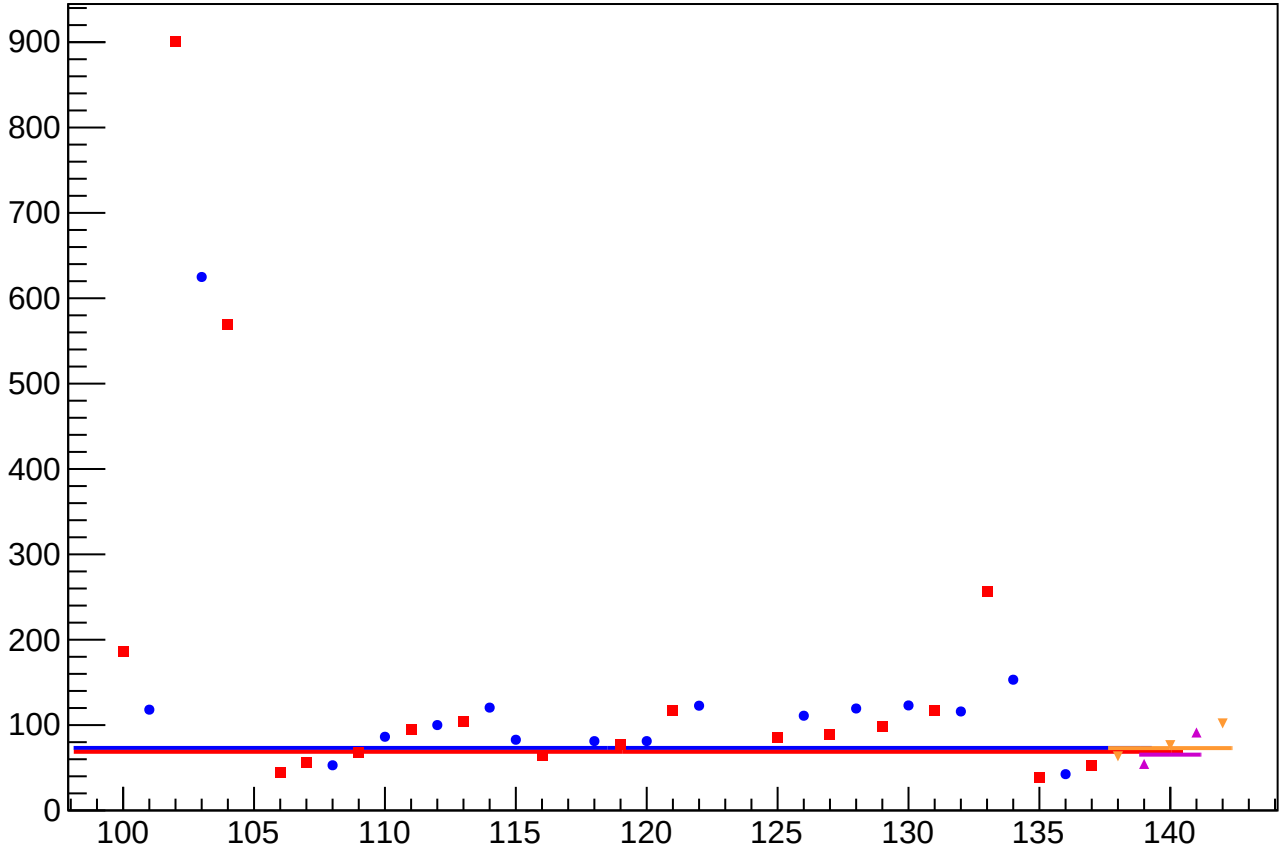
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.020+/-0.020 χ^2/NDF: 26.6/38

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: 73.032+/-0.040 χ^2/NDF:98255.4/2

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: 69.083+/-0.028 χ^2/NDF: 302158.1/4

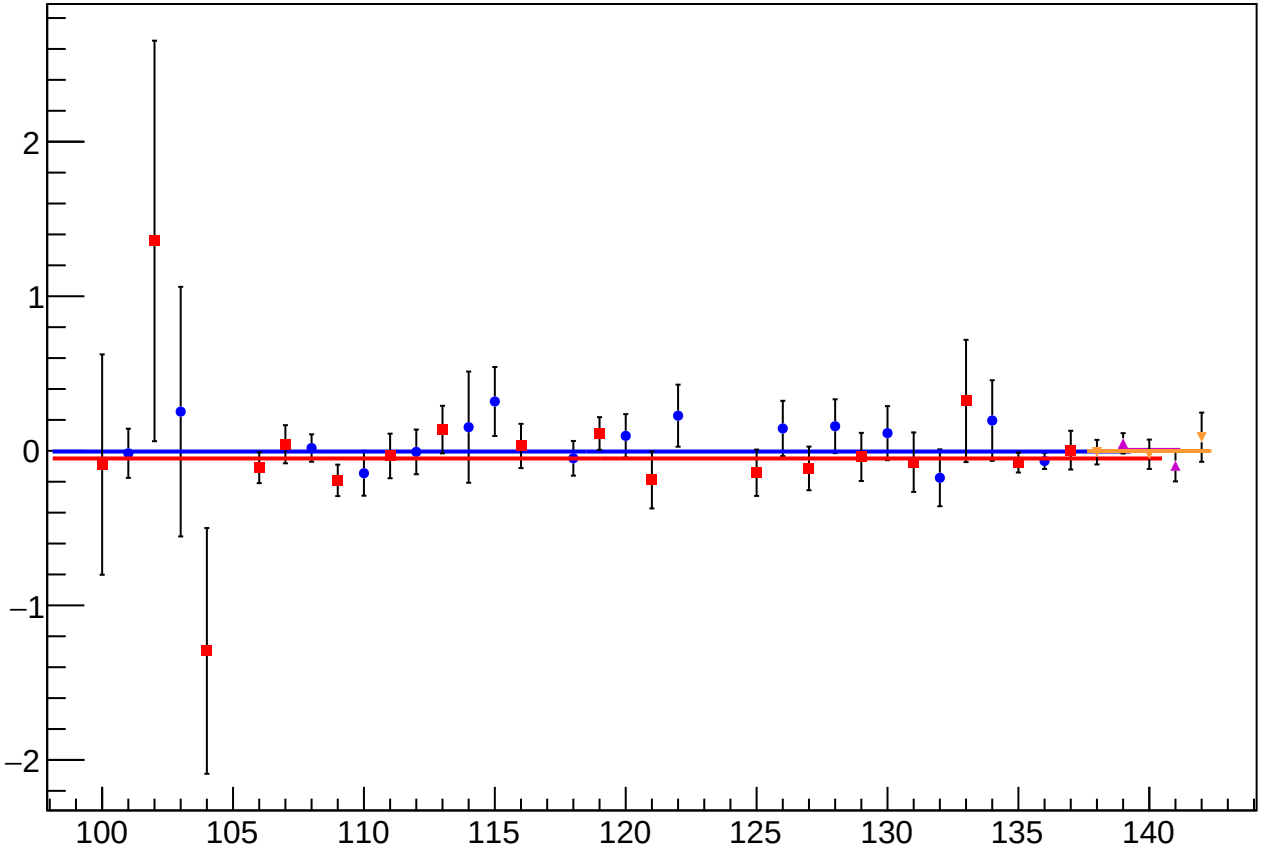
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.234+/-0.020 χ^2/NDF:3070113.8/17

Out: 69.742+/-0.020 χ^2/NDF:3438751.0/20

All: 70.484+/-0.014 χ^2/NDF: 6511755.8/38

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: 0.003+/-0.040 χ^2/NDF: 1.8/4

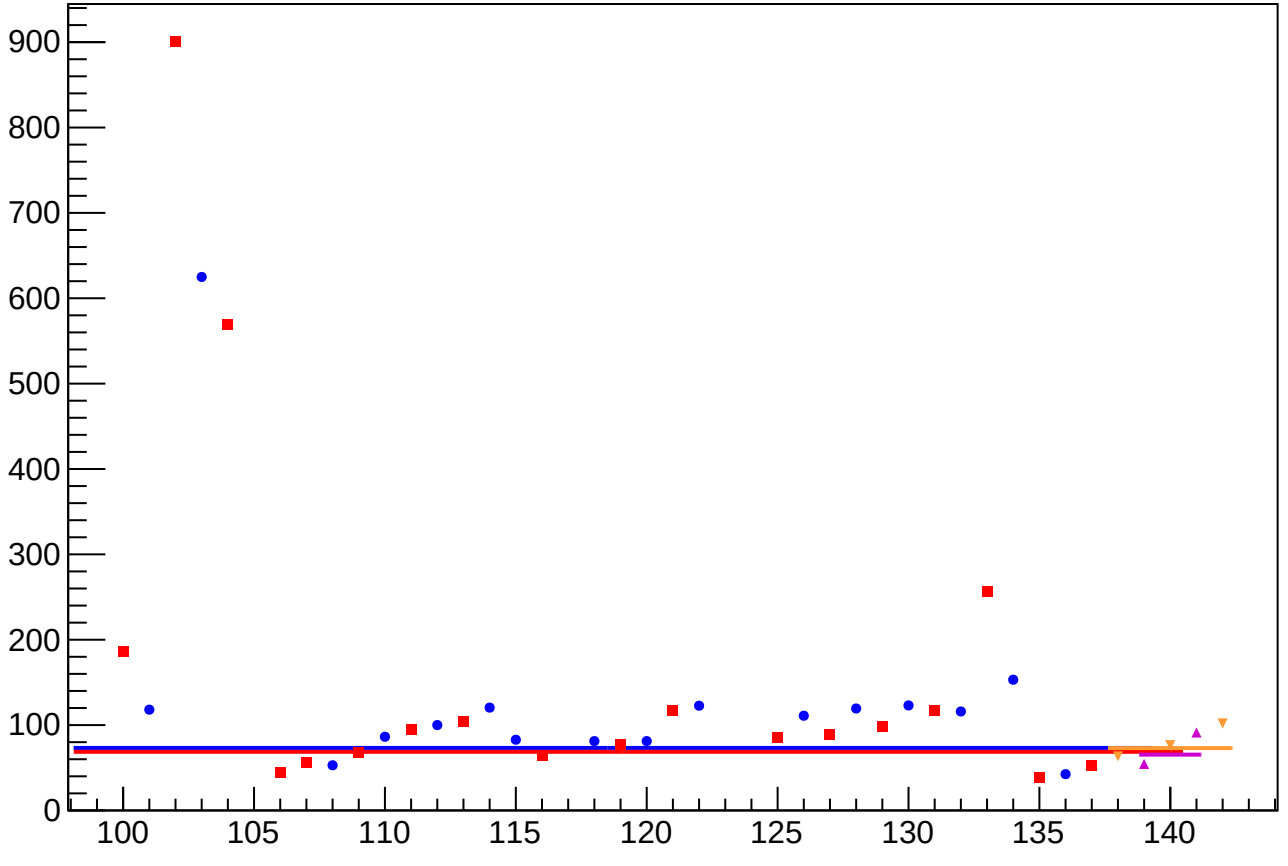
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.020+/-0.020 χ^2/NDF: 26.6/38

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: 73.032+/-0.040 χ^2/NDF:98255.4/2

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 65.372+/-0.039 χ^2/NDF:185222.5/1

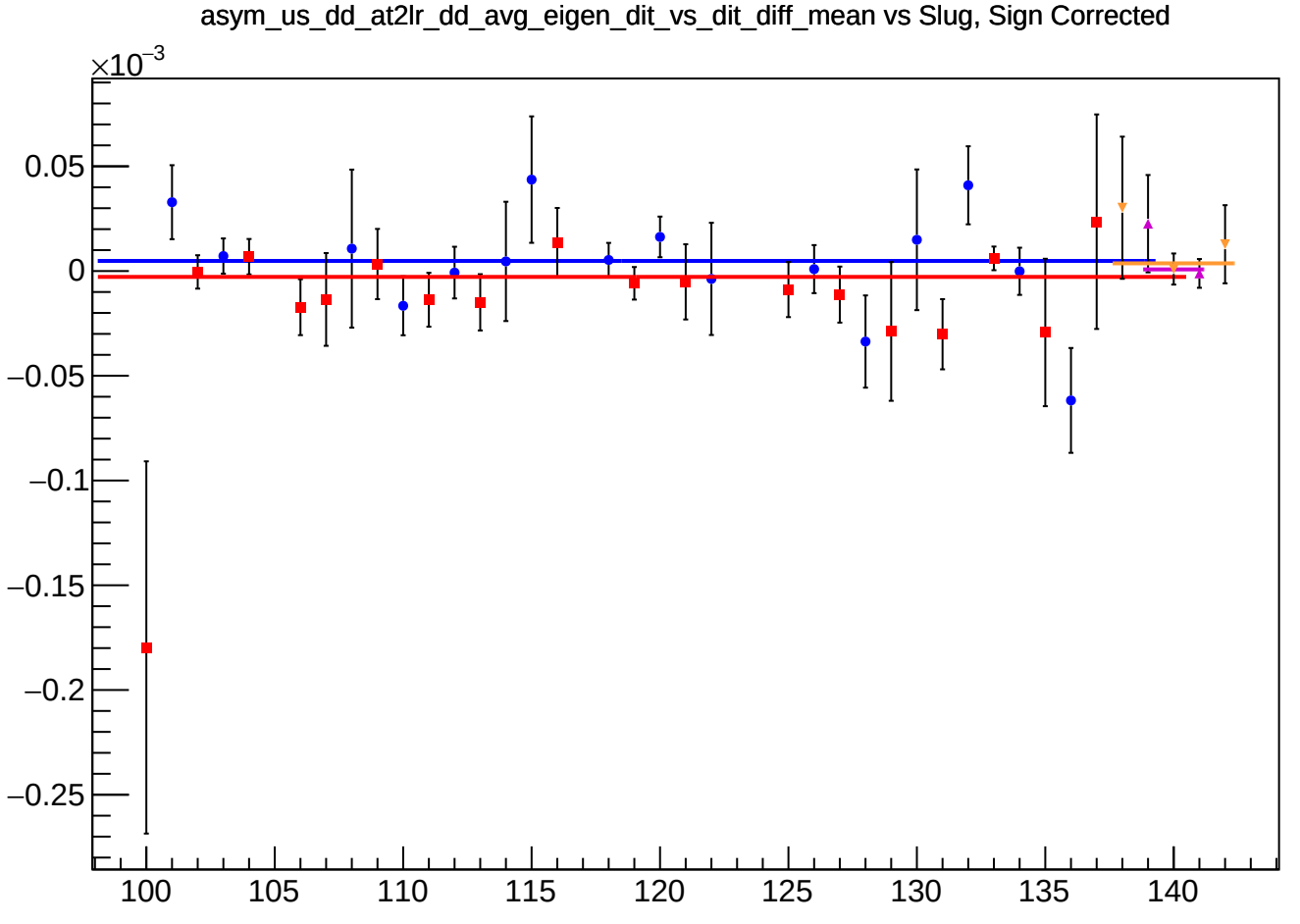
Left: 69.083+/-0.028 χ^2/NDF: 302158.1/4

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.234+/-0.020 χ^2/NDF:3070113.8/17

Out: 69.742+/-0.020 χ^2/NDF:3438751.0/20

All: 70.484+/-0.014 χ^2/NDF: 6511755.8/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/2

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: 2.0/4

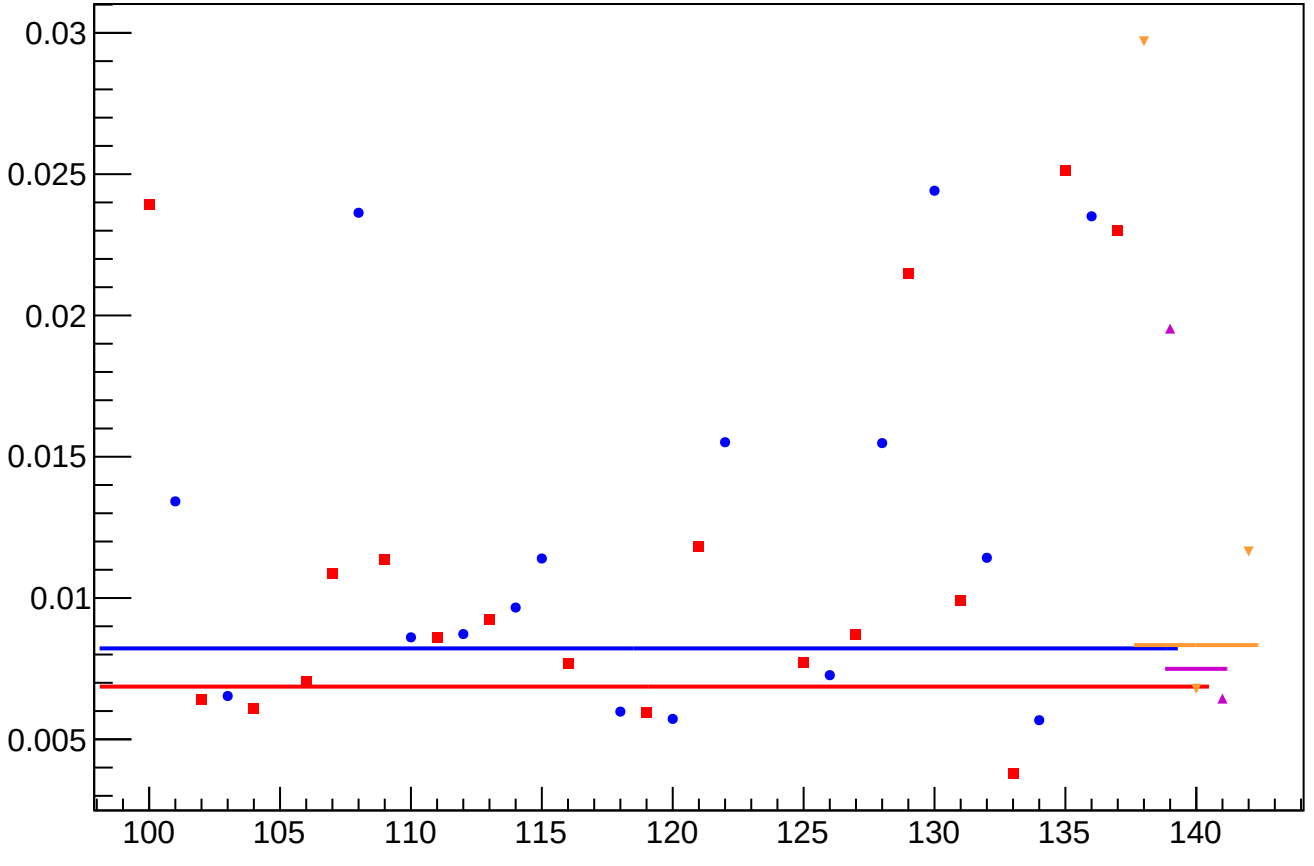
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:23.8/17

Out: -0.000+/-0.000 χ^2/NDF:18.5/20

All: 0.000+/-0.000 χ^2/NDF: 44.4/38

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:942813.1/2

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.007+/-0.000 χ^2/NDF:583996.4/1

Left: 0.008+/-0.000 χ^2/NDF: 1542666.1/4

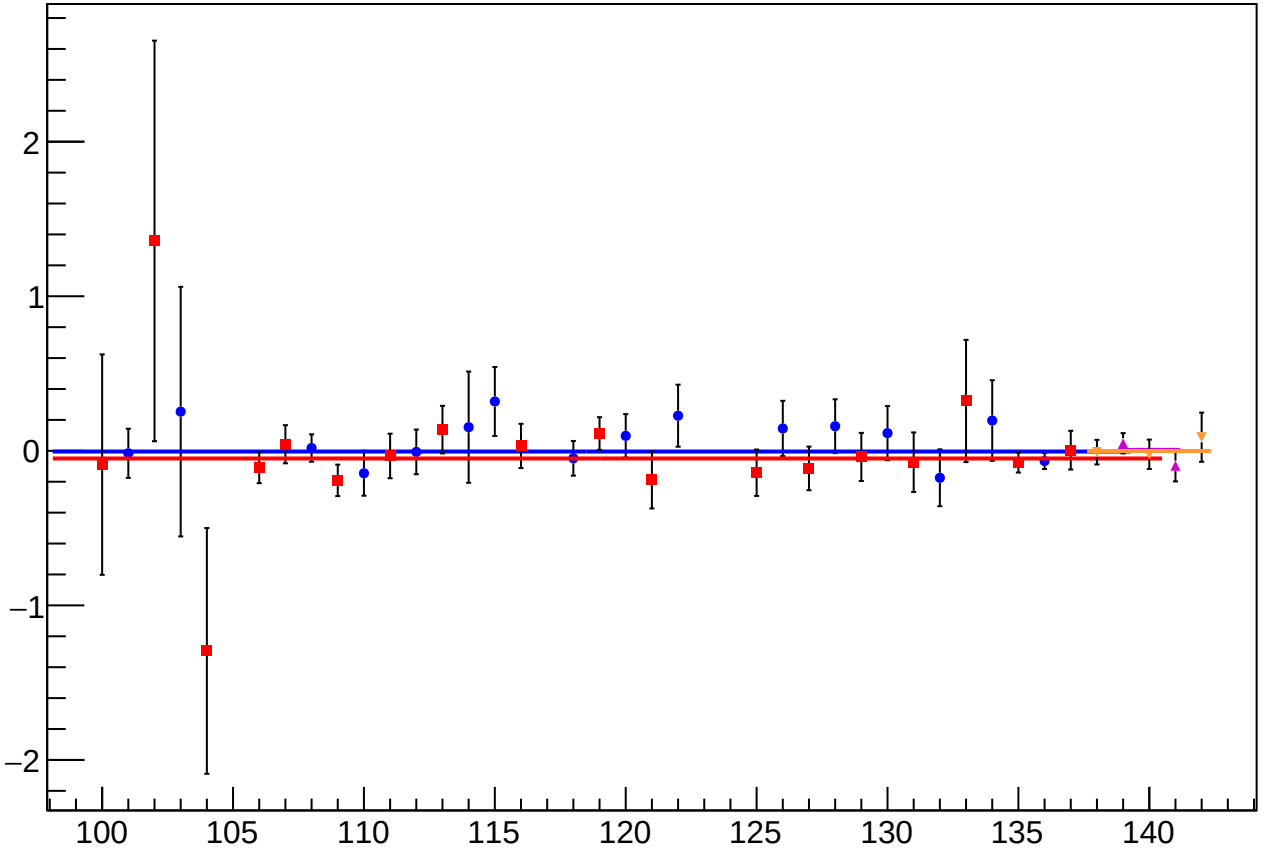
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3259000.7/17

Out: 0.007+/-0.000 χ^2/NDF:3449635.1/20

All: 0.007+/-0.000 χ^2/NDF: 6824592.6/38

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: 0.003+/-0.040 χ^2/NDF: 1.8/4

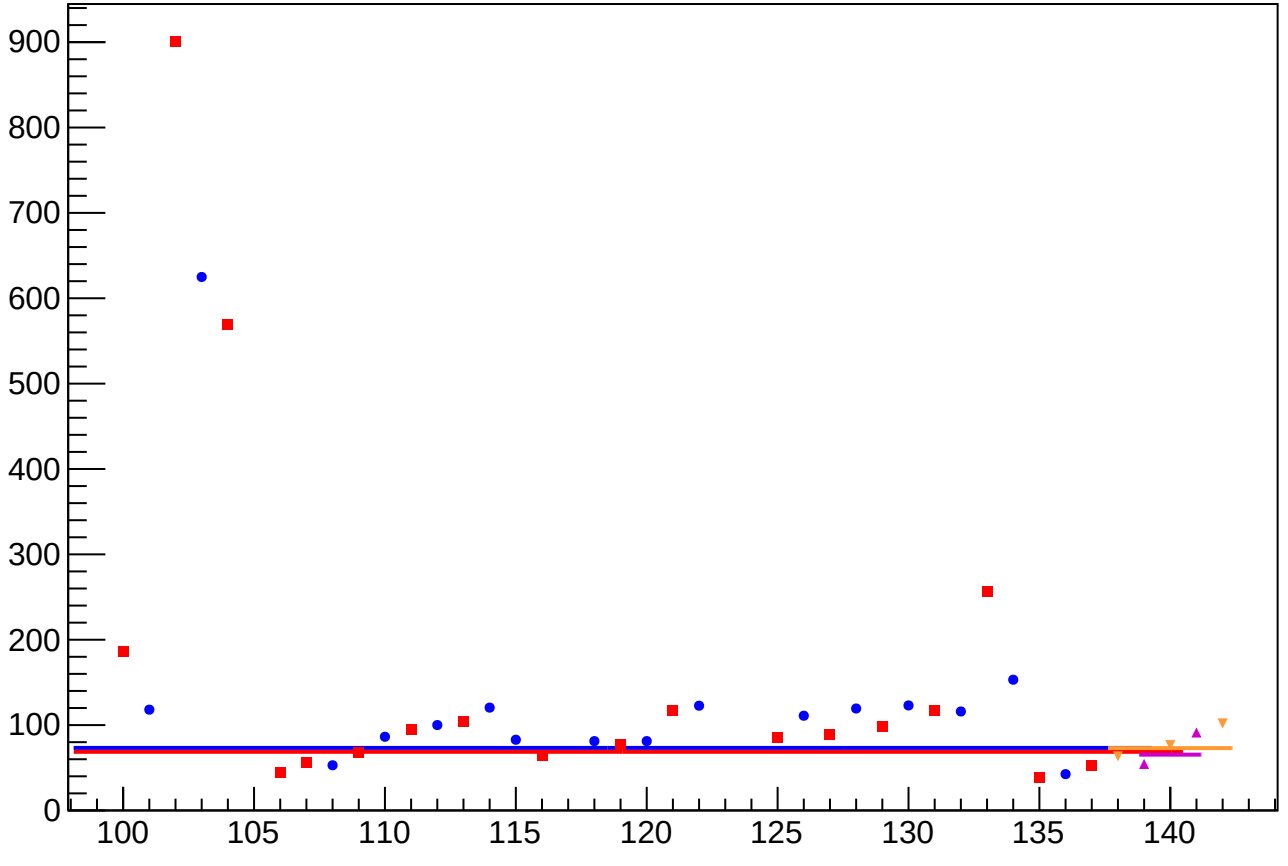
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.020+/-0.020 χ^2/NDF: 26.6/38

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: 73.042+/-0.040 χ^2/NDF:98224.9/2

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: 69.094+/-0.028 χ^2/NDF: 301984.8/4

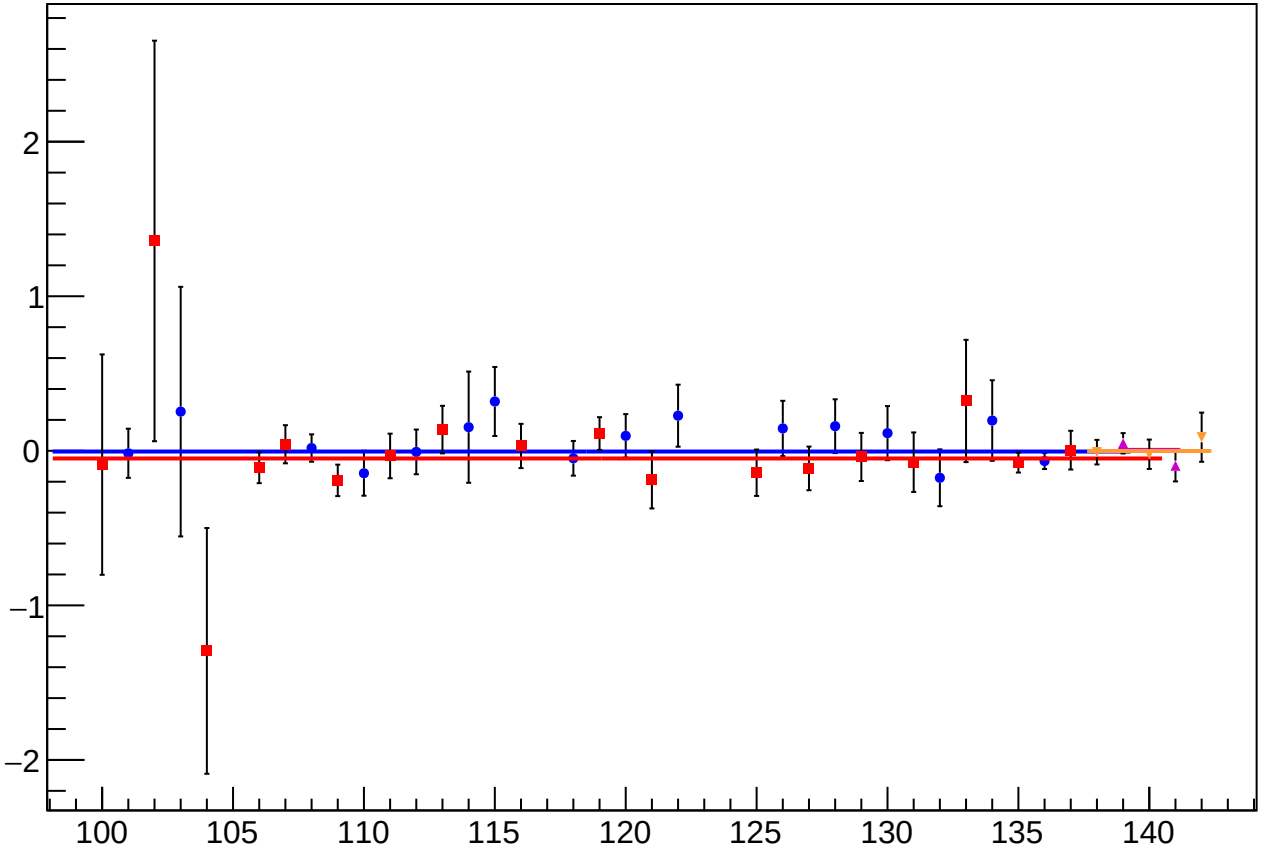
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.256+/-0.020 χ^2/NDF:3067780.8/17

Out: 69.736+/-0.020 χ^2/NDF:3439805.9/20

All: 70.491+/-0.014 χ^2/NDF: 6510587.8/38

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: -0.001+/-0.057 χ^2/NDF:0.4/2

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.006+/-0.055 χ^2/NDF:1.4/1

Left: 0.003+/-0.040 χ^2/NDF: 1.8/4

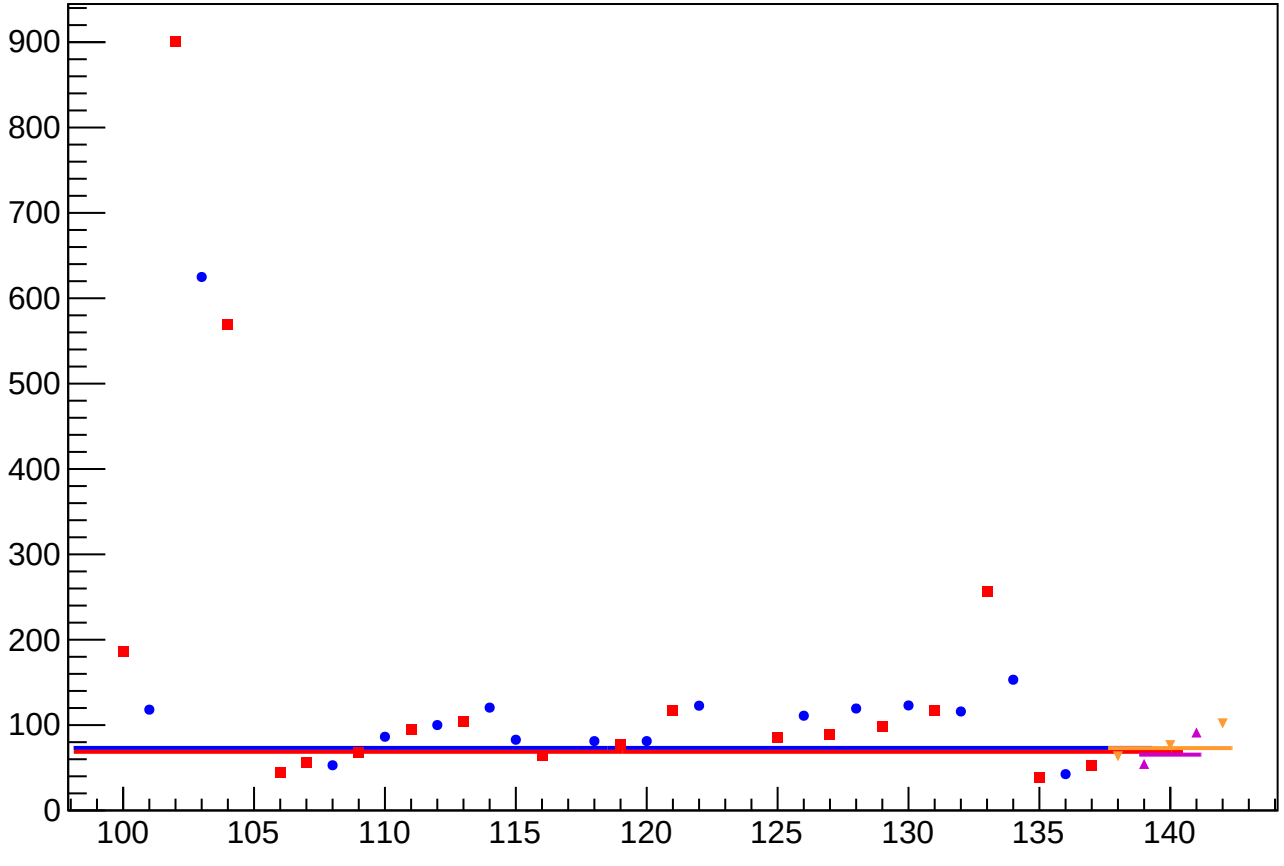
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.002+/-0.028 χ^2/NDF:11.8/17

Out: -0.038+/-0.028 χ^2/NDF:14.0/20

All: -0.020+/-0.020 χ^2/NDF: 26.6/38

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: 73.042+/-0.040 χ^2/NDF:98224.9/2

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: 69.094+/-0.028 χ^2/NDF: 301984.8/4

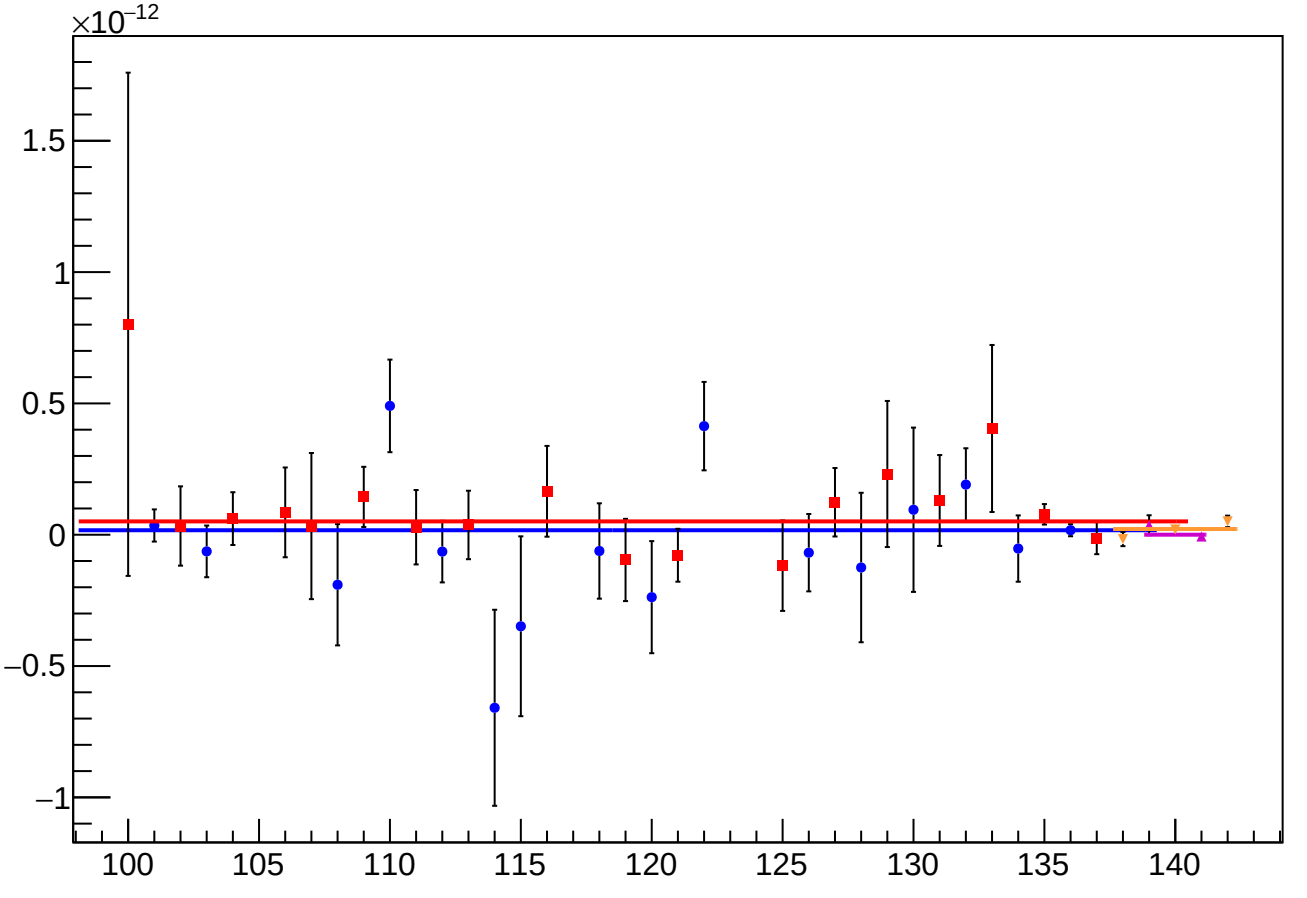
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.256+/-0.020 χ^2/NDF:3067780.8/17

Out: 69.736+/-0.020 χ^2/NDF:3439805.9/20

All: 70.491+/-0.014 χ^2/NDF: 6510587.8/38

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:3.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/1

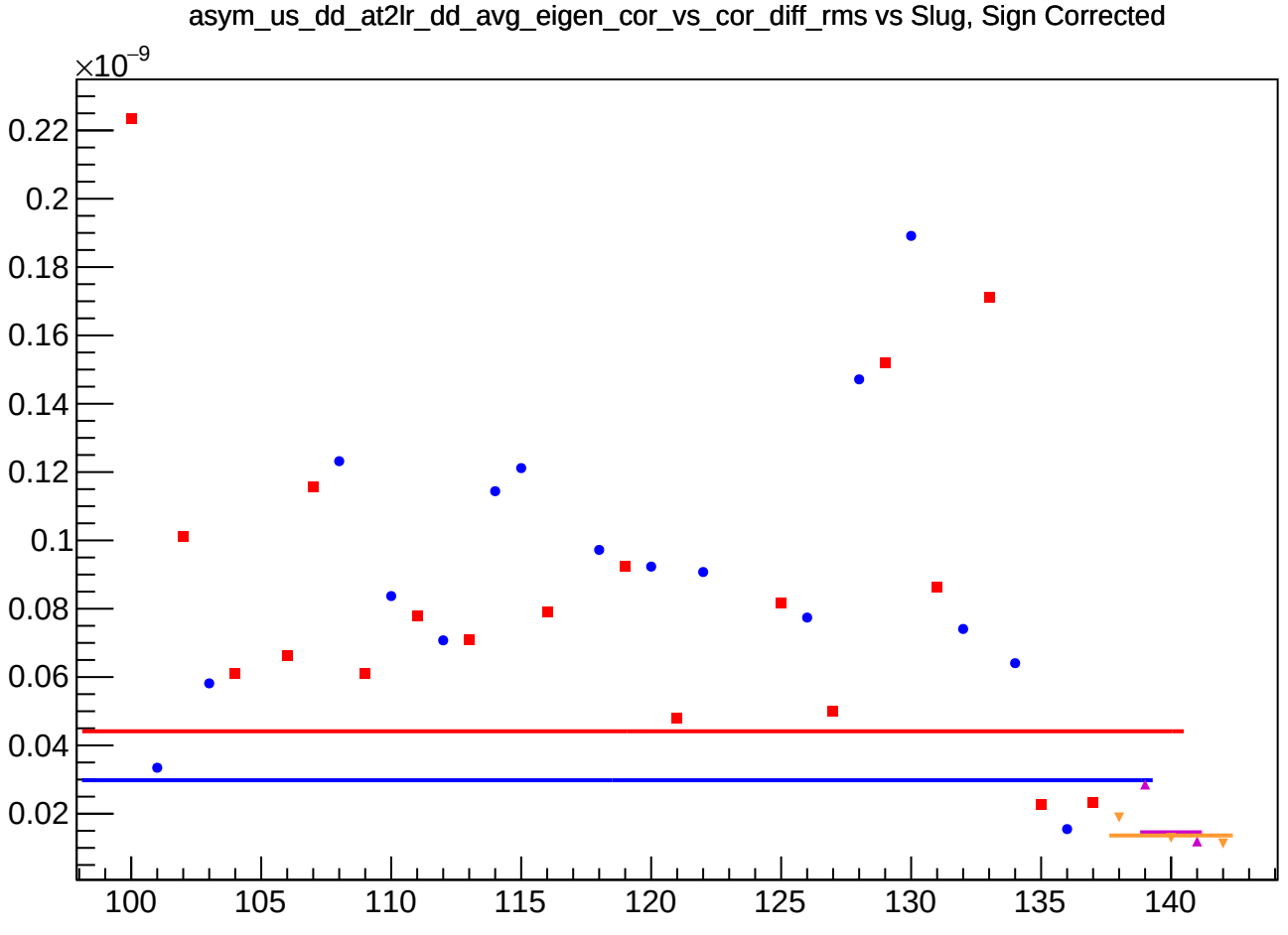
Left: 0.000+/-0.000 χ^2/NDF: 6.1/4

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:14.0/20

All: 0.000+/-0.000 χ^2/NDF: 40.5/38



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:103154.3/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:322762.3/1

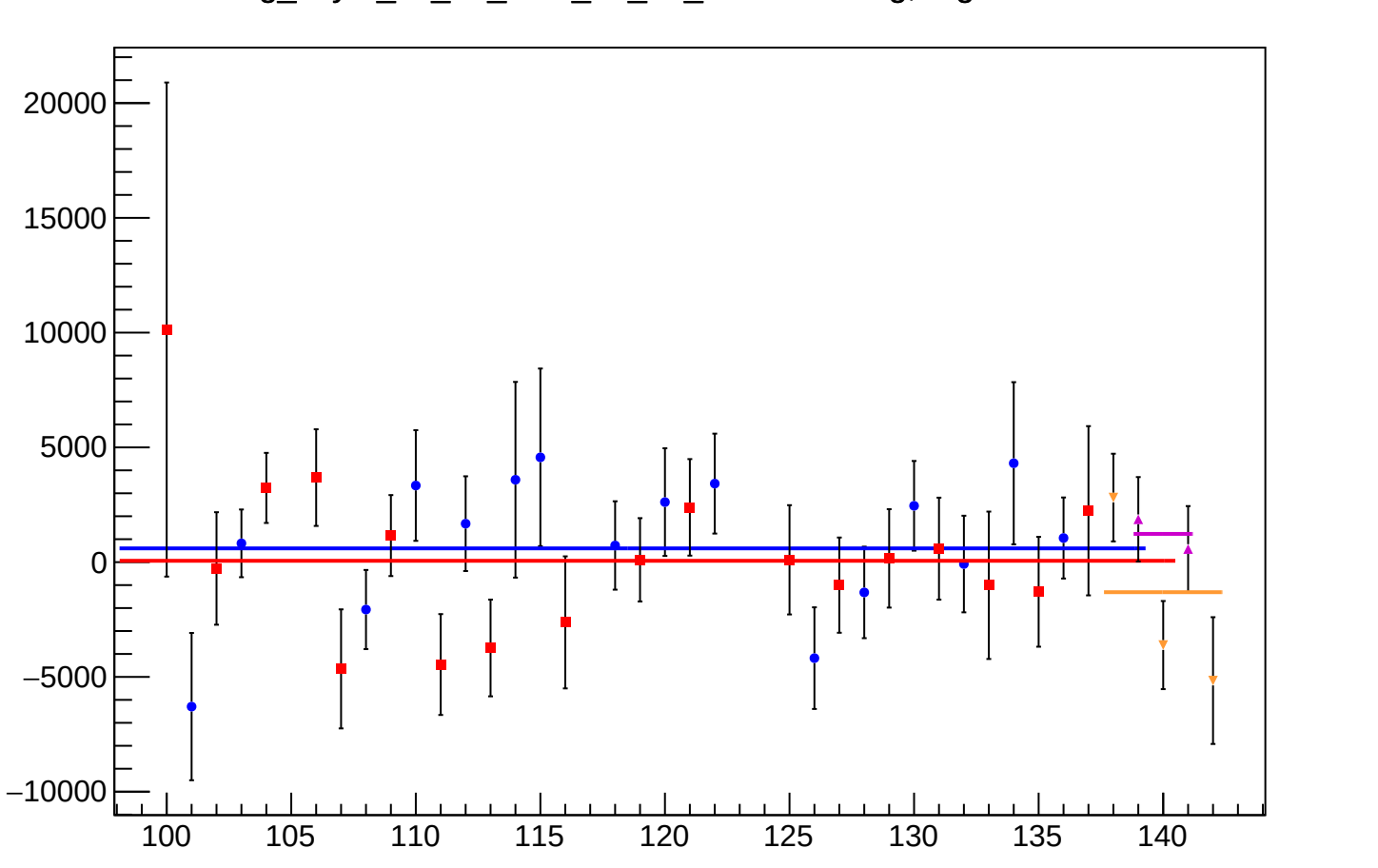
Left: 0.000+/-0.000 χ^2/NDF: 430497.6/4

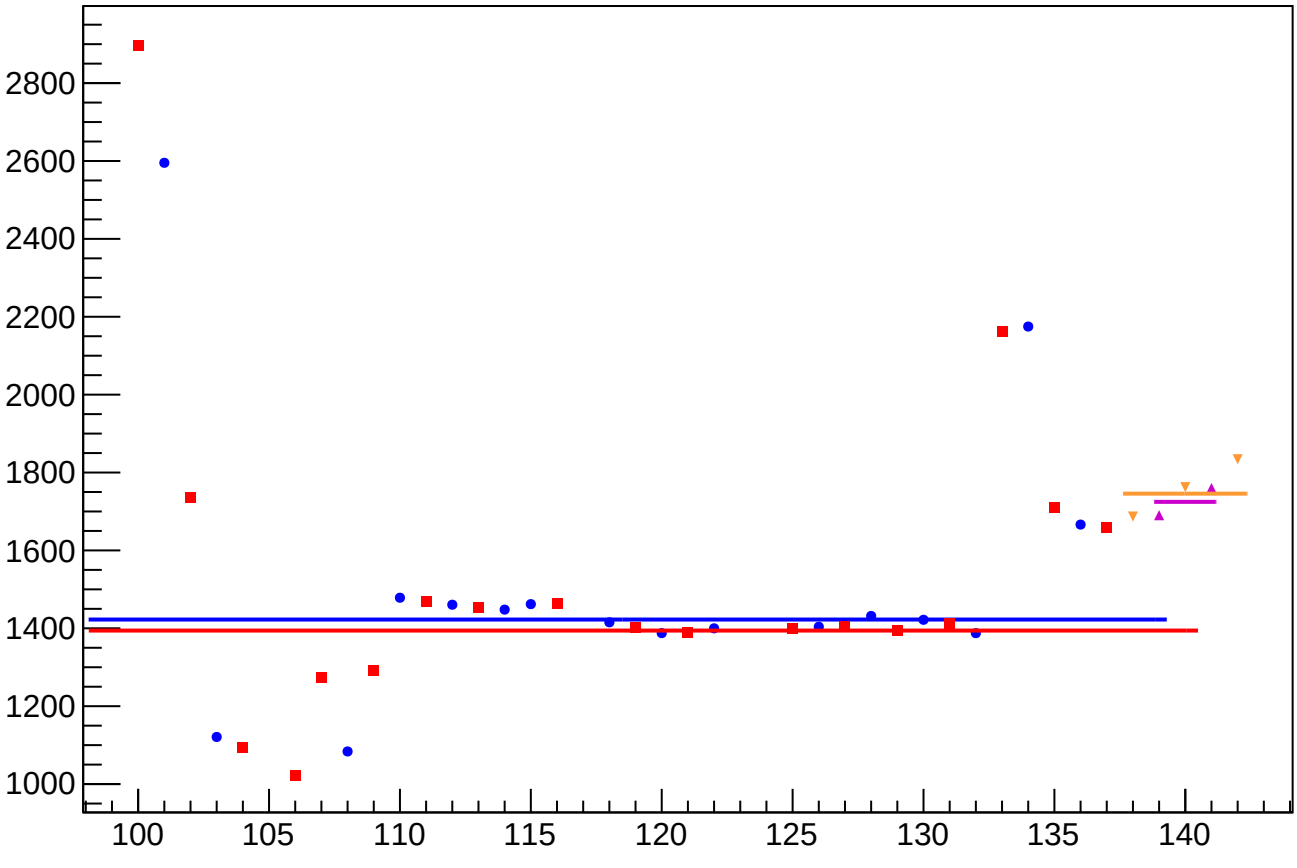
Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:5169738.0/17

Out: 0.000+/-0.000 χ^2/NDF:5341356.7/20

All: 0.000+/-0.000 χ^2/NDF: 10519625.8/38


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: -1308.671+/-1215.536 χ²/NDF:8.0/2
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: 1231.079+/-1311.336 χ²/NDF:0.2/1
Left: -134.946+/-891.460 χ²/NDF: 10.3/4
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 691.639+/-499.363 χ²/NDF:20.8/17
Out: -159.545+/-485.985 χ²/NDF:31.7/20
All: 254.493+/-348.277 χ²/NDF: 53.9/38



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

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: 1736.019+/-0.630 χ^2/NDF: 5784.9/4

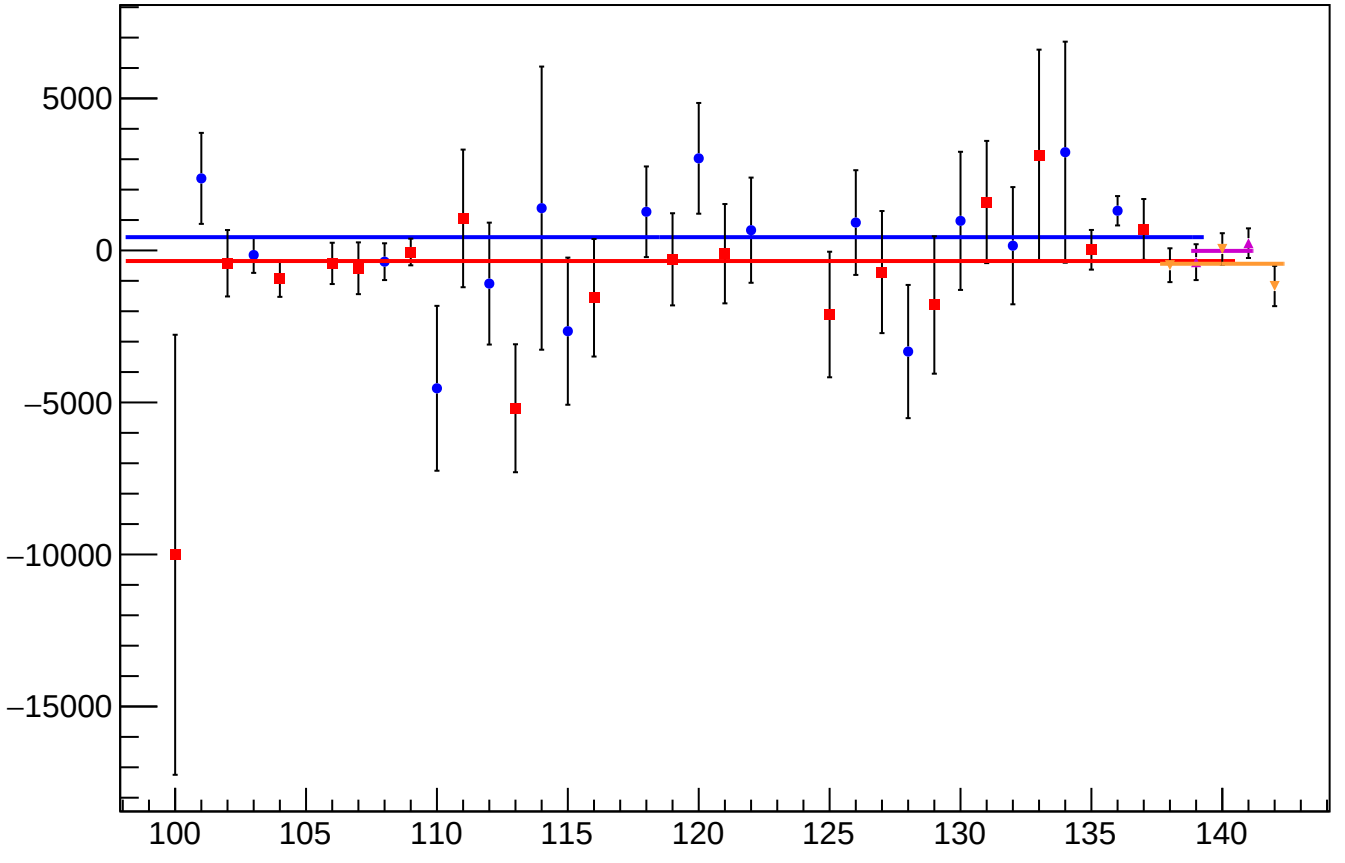
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1466.336+/-0.353 χ^2/NDF:652481.0/17

Out: 1450.369+/-0.344 χ^2/NDF:538324.2/20

All: 1458.135+/-0.246 χ^2/NDF: 1191855.4/38

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -438.269+/-328.957 χ^2/NDF:2.1/2

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: -254.498+/-247.507 χ^2/NDF: 3.5/4

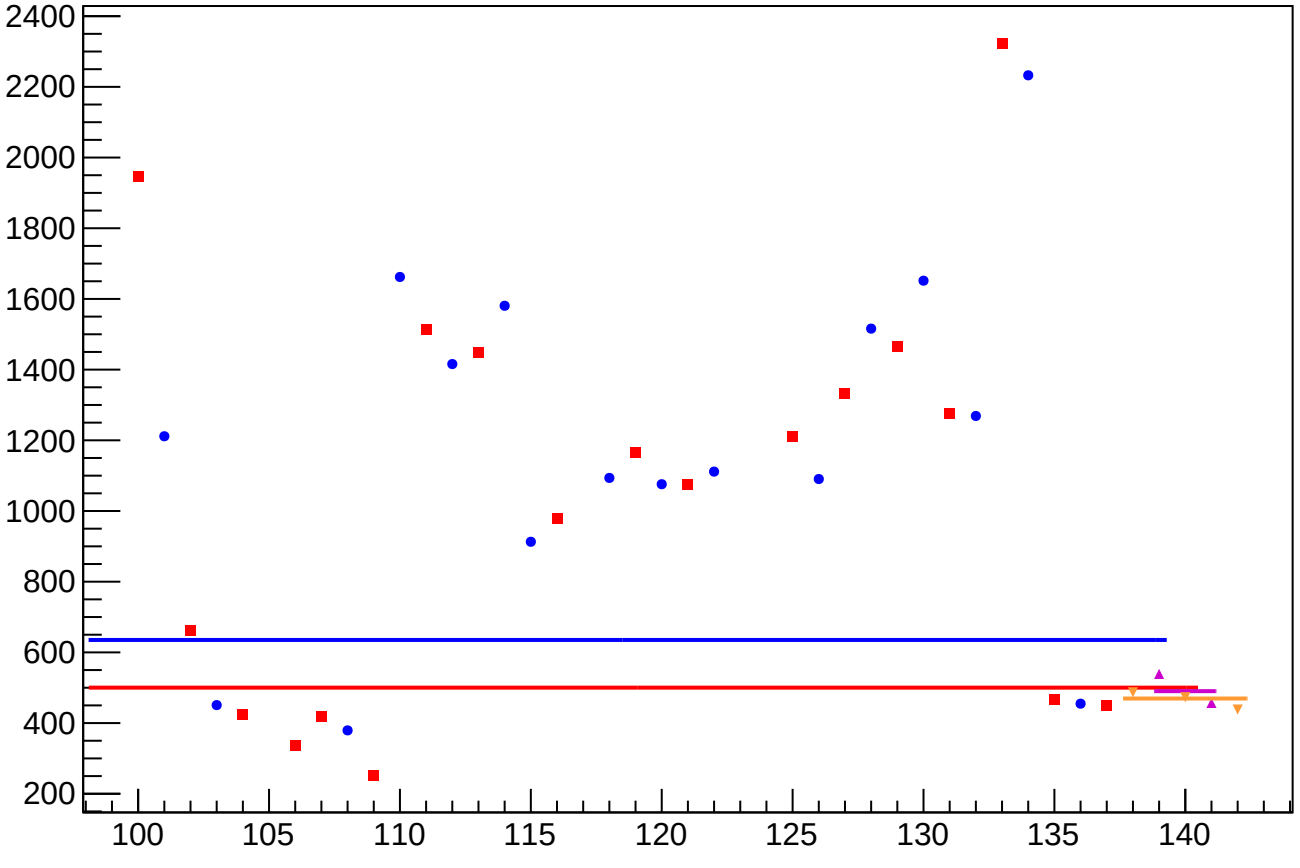
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 278.429+/-222.396 χ^2/NDF:20.9/17

Out: -378.662+/-190.541 χ^2/NDF:16.1/20

All: -100.507+/-144.696 χ^2/NDF: 42.1/38

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: 469.450+/-0.233 χ^2/NDF:6517.1/2

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 490.299+/-0.266 χ^2/NDF:23065.0/1

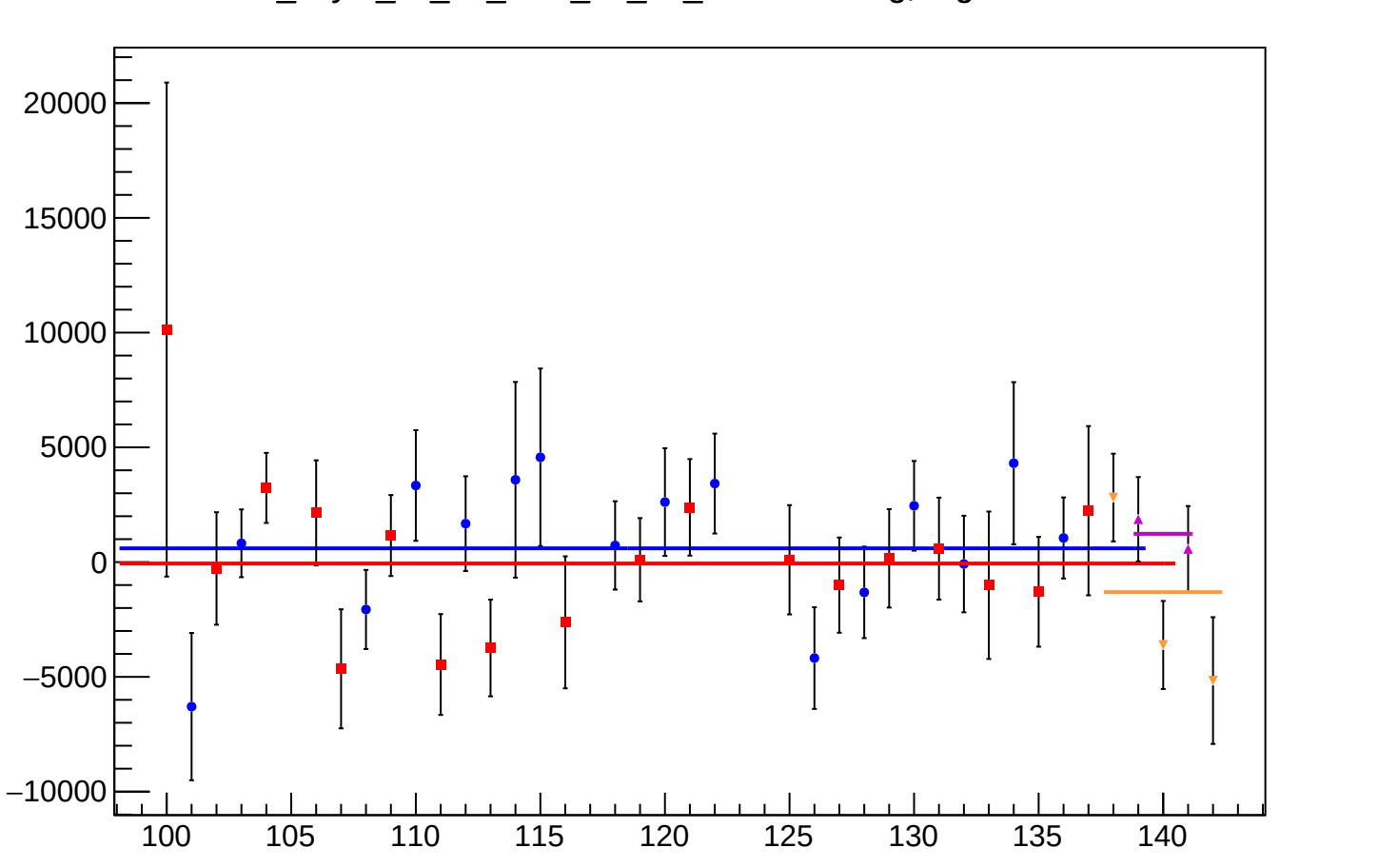
Left: 478.497+/-0.175 χ^2/NDF: 33068.0/4

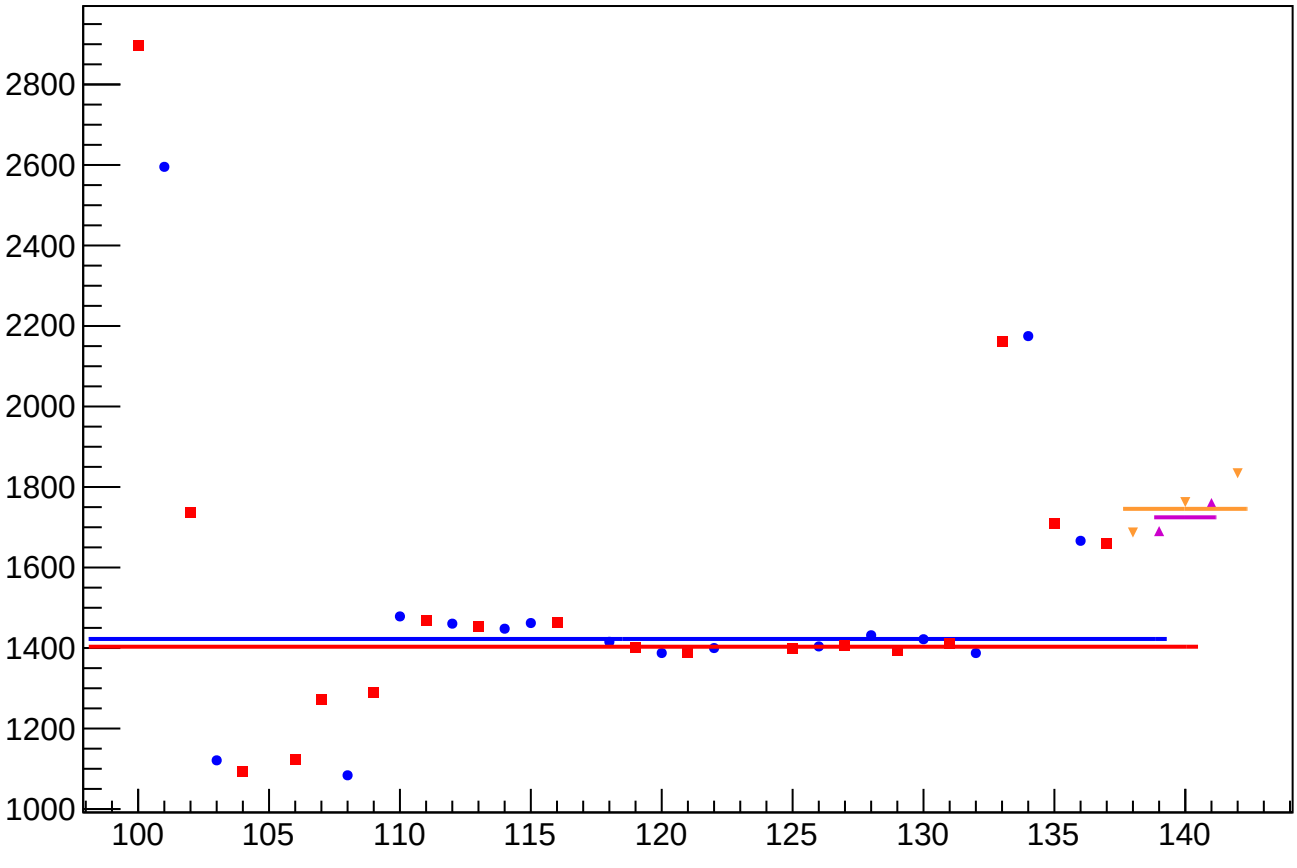
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 584.396+/-0.157 χ^2/NDF:3968708.0/17

Out: 489.904+/-0.135 χ^2/NDF:4327246.4/20

All: 529.904+/-0.102 χ^2/NDF: 8504164.8/38


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: -1308.953+/-1215.536 χ²/NDF:8.0/2
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 1231.240+/-1311.336 χ²/NDF:0.2/1
Left: -135.024+/-891.460 χ²/NDF: 10.3/4
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 691.554+/-499.363 χ²/NDF:20.8/17
Out: -261.606+/-488.001 χ²/NDF:29.3/20
All: 204.007+/-349.017 χ²/NDF: 51.9/38



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

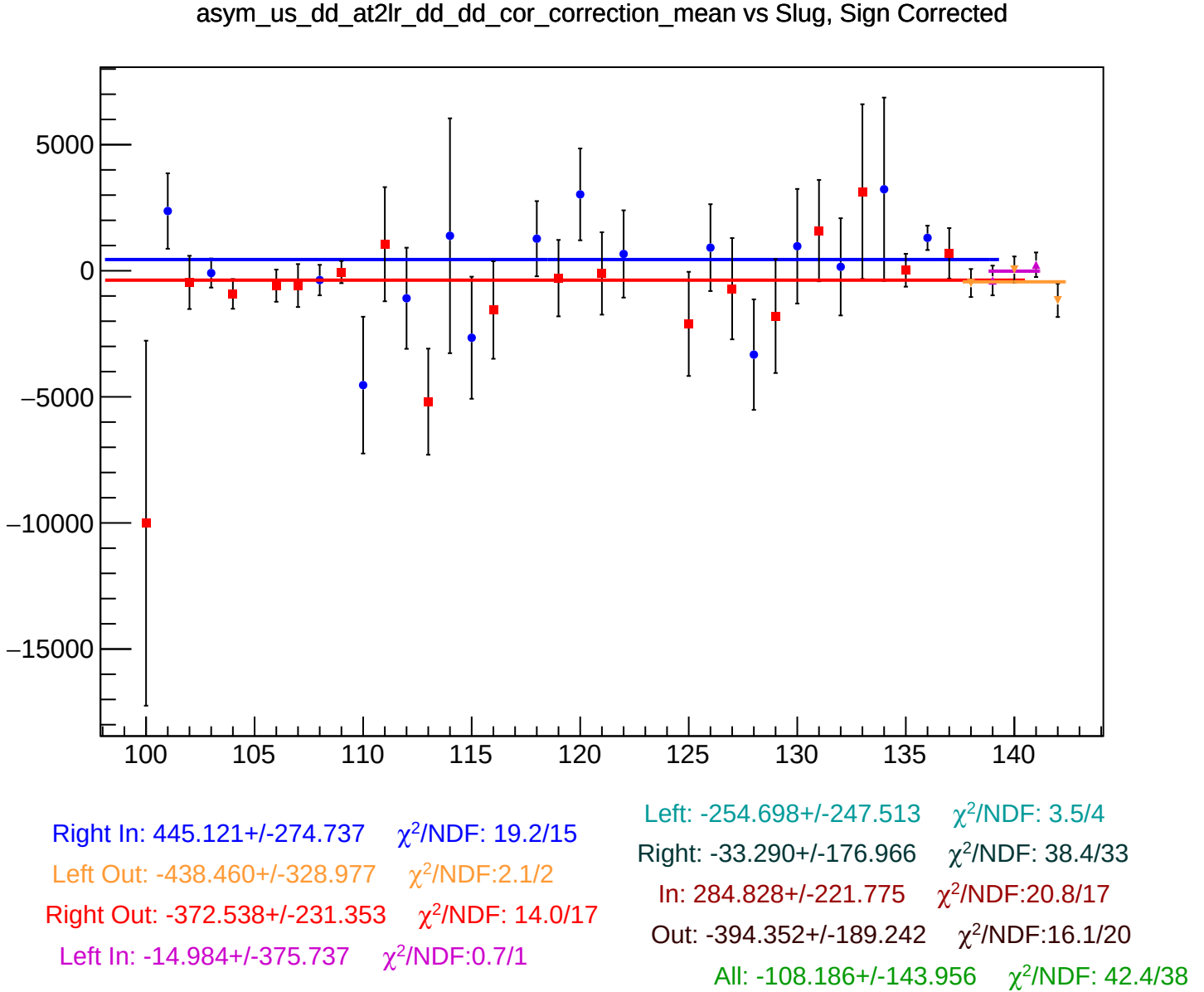
Left: 1736.019+/-0.630 χ^2/NDF: 5784.9/4

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

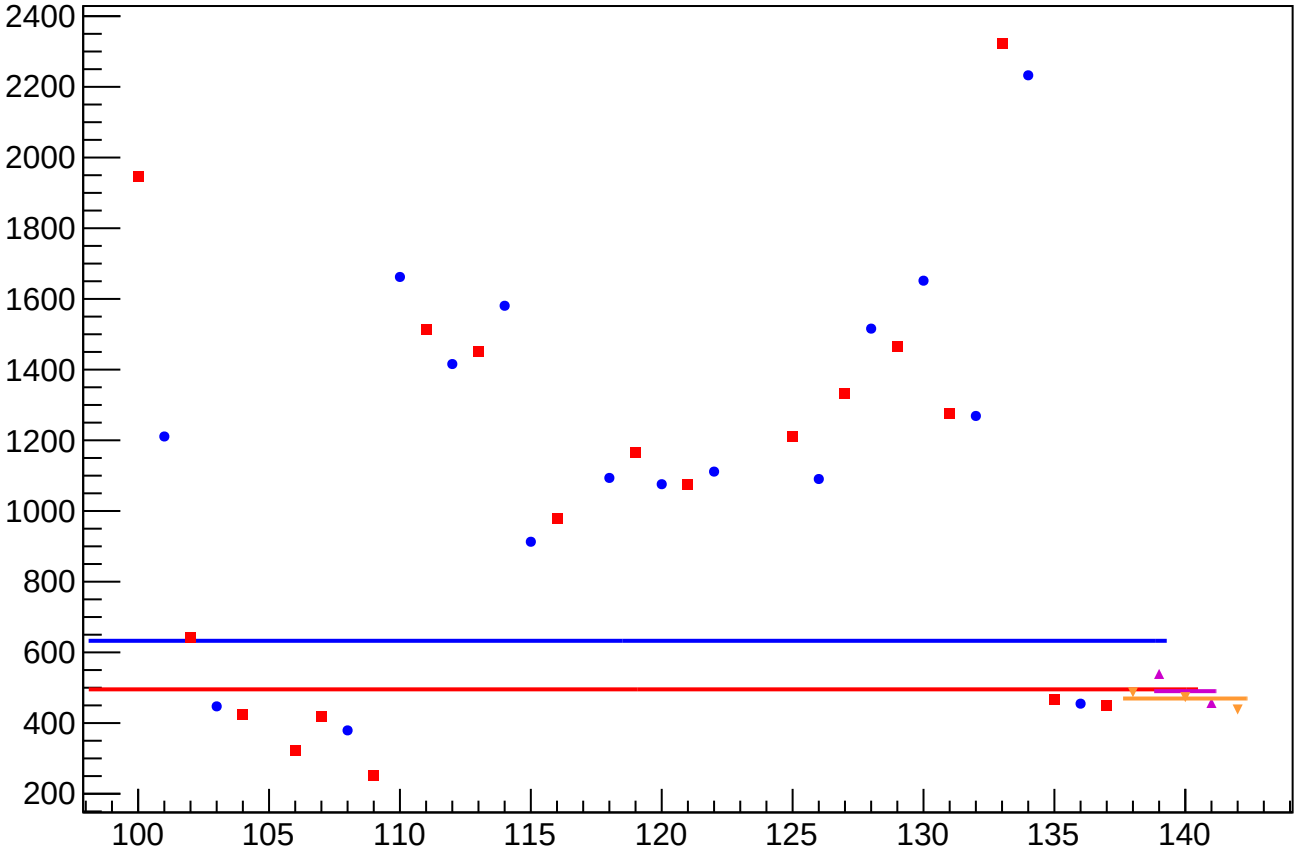
In: 1466.336+/-0.353 χ^2/NDF:652481.3/17

Out: 1458.426+/-0.345 χ^2/NDF:496418.0/20

All: 1462.290+/-0.247 χ^2/NDF: 1149155.9/38


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
105
110
115
120
125
130
135
140
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: -438.460+/-328.977 χ²/NDF:2.1/2
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -14.984+/-375.737 χ²/NDF:0.7/1
Left: -254.698+/-247.513 χ²/NDF: 3.5/4
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: 284.828+/-221.775 χ²/NDF:20.8/17
Out: -394.352+/-189.242 χ²/NDF:16.1/20
All: -108.186+/-143.956 χ²/NDF: 42.4/38

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: 469.481+/-0.233 χ^2/NDF:6503.0/2

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 490.287+/-0.266 χ^2/NDF:23070.6/1

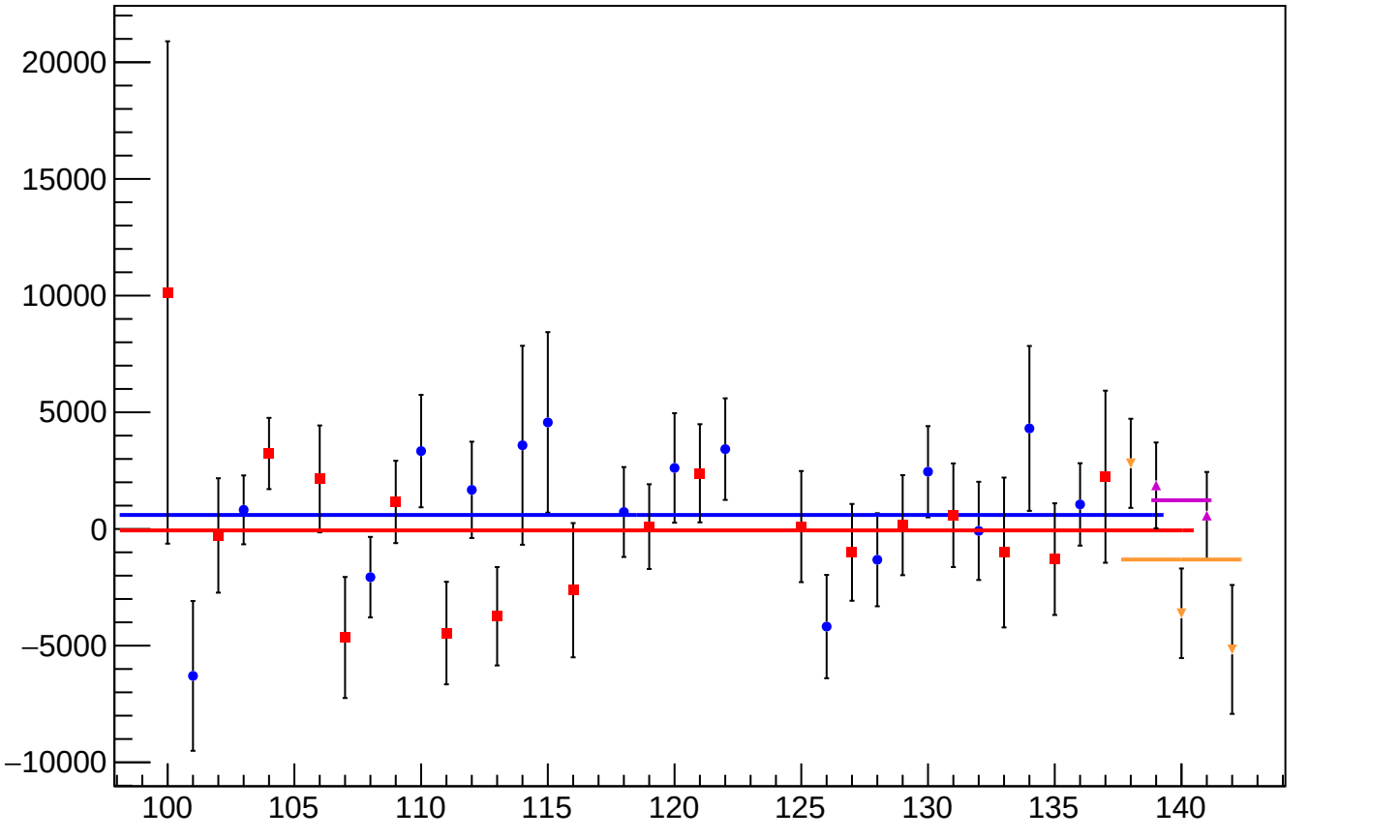
Left: 478.509+/-0.175 χ^2/NDF: 33045.2/4

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 583.120+/-0.157 χ^2/NDF:3978160.1/17

Out: 486.810+/-0.134 χ^2/NDF:4352281.7/20

All: 527.389+/-0.102 χ^2/NDF: 8548701.1/38



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1308.953+/-1215.536 χ^2/NDF:8.0/2

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 1231.240+/-1311.336 χ^2/NDF:0.2/1

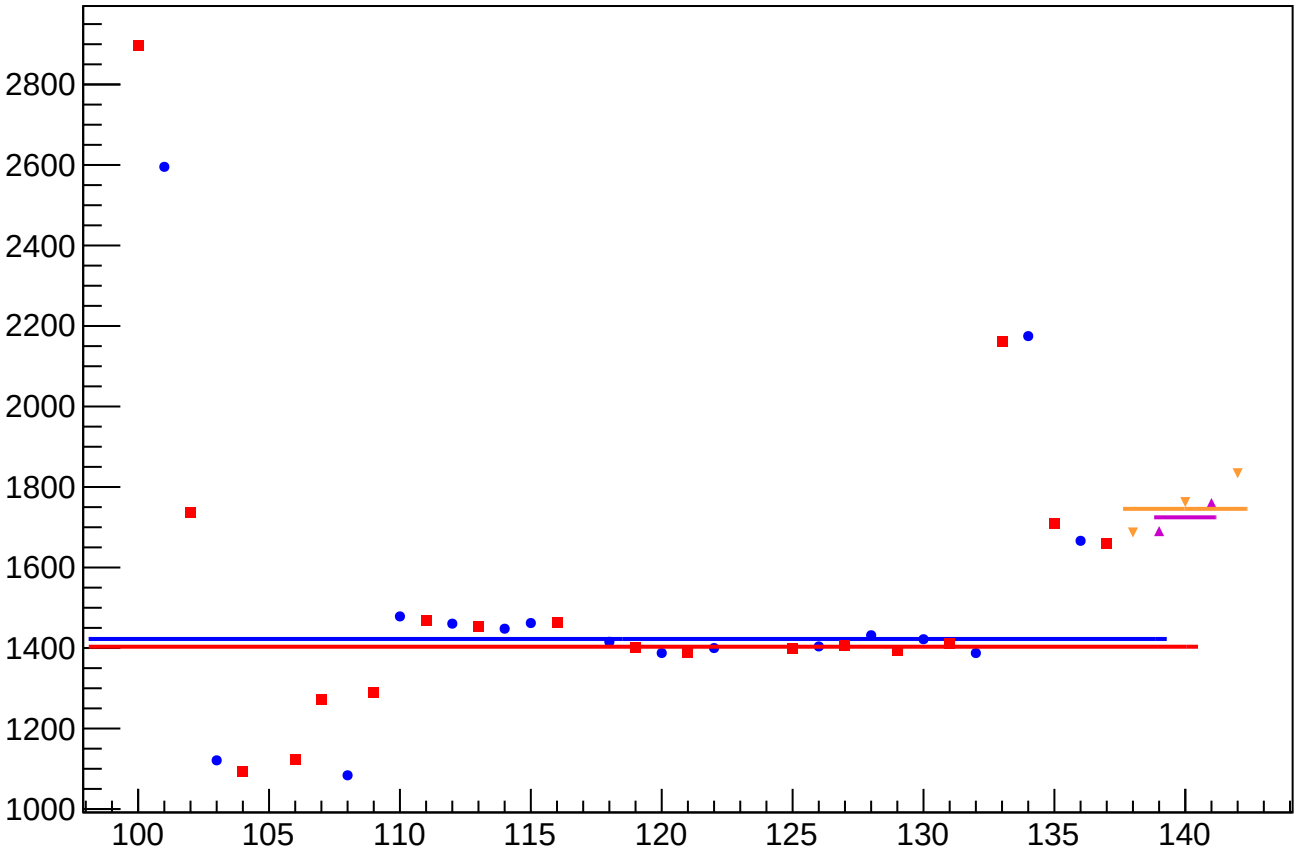
Left: -135.024+/-891.460 χ^2/NDF: 10.3/4

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 691.554+/-499.363 χ^2/NDF:20.8/17

Out: -261.606+/-488.001 χ^2/NDF:29.3/20

All: 204.007+/-349.017 χ^2/NDF: 51.9/38



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1745.740+/-0.860 χ^2/NDF:4094.1/2

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1724.705+/-0.927 χ^2/NDF:1414.0/1

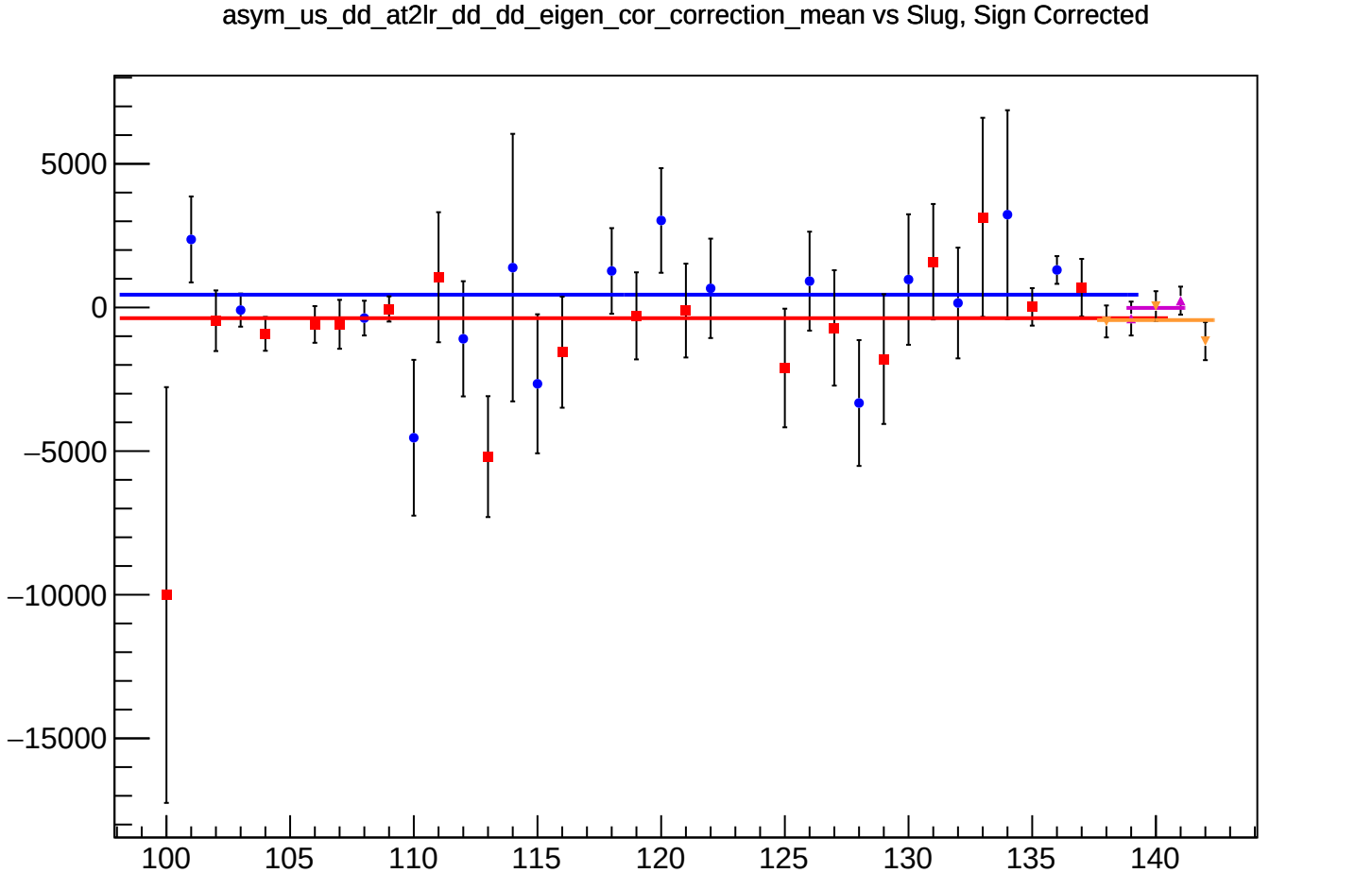
Left: 1736.019+/-0.630 χ^2/NDF: 5784.9/4

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1466.336+/-0.353 χ^2/NDF:652481.3/17

Out: 1458.426+/-0.345 χ^2/NDF:496418.0/20

All: 1462.290+/-0.247 χ^2/NDF: 1149155.9/38



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -438.460+/-328.977 χ^2/NDF:2.1/2

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -14.984+/-375.737 χ^2/NDF:0.7/1

Left: -254.698+/-247.513 χ^2/NDF: 3.5/4

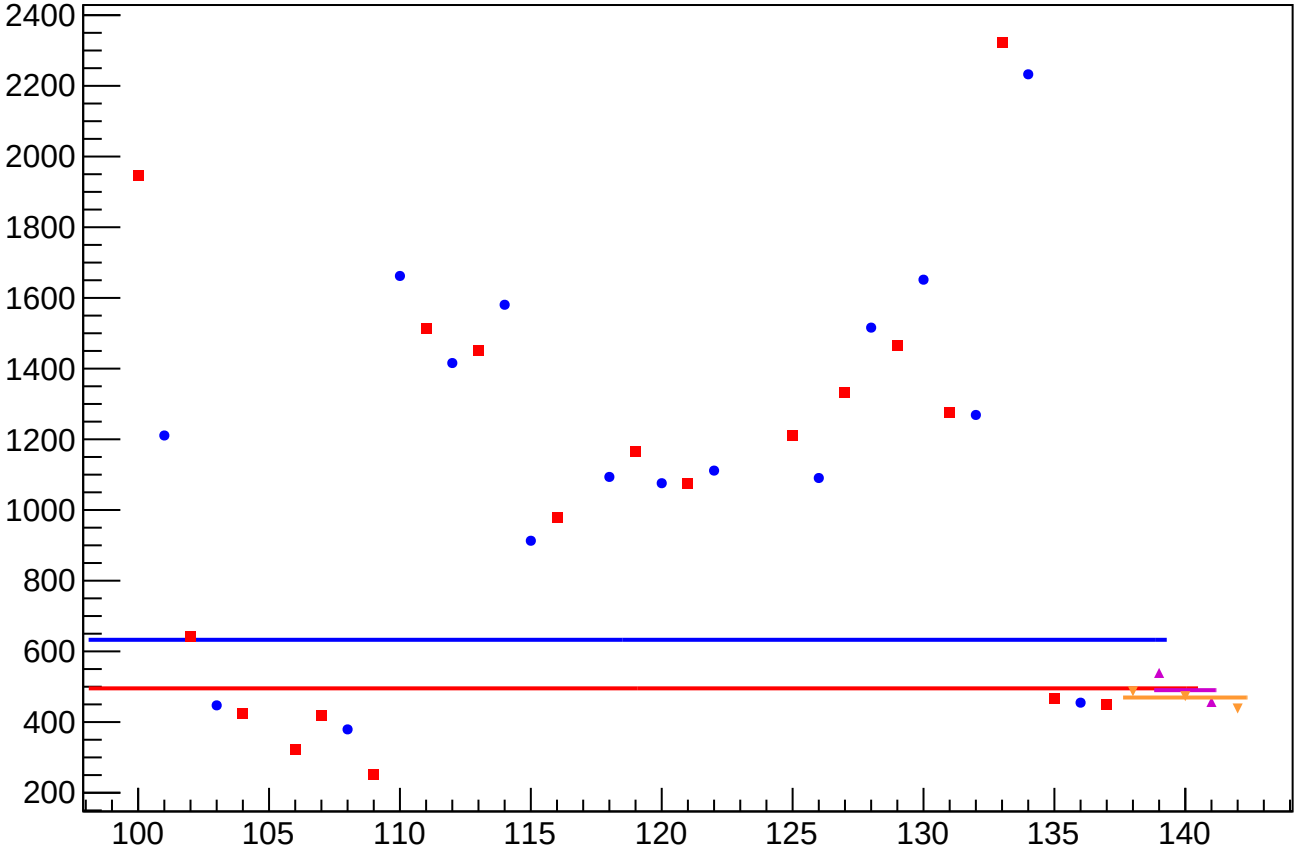
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 284.828+/-221.775 χ^2/NDF:20.8/17

Out: -394.352+/-189.242 χ^2/NDF:16.1/20

All: -108.186+/-143.956 χ^2/NDF: 42.4/38

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: 469.481+/-0.233 χ^2/NDF:6503.0/2

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 490.287+/-0.266 χ^2/NDF:23070.6/1

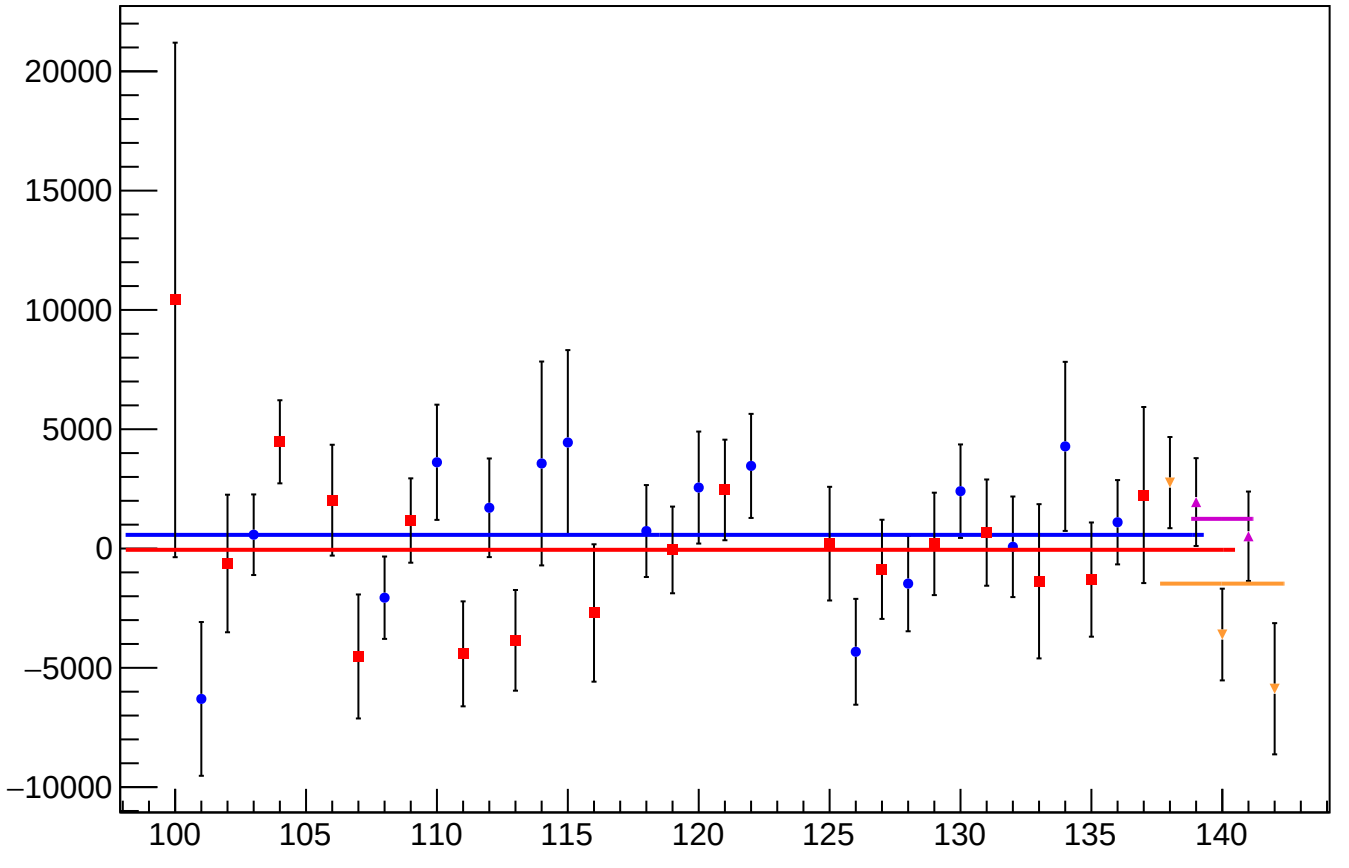
Left: 478.509+/-0.175 χ^2/NDF: 33045.2/4

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 583.120+/-0.157 χ^2/NDF:3978160.1/17

Out: 486.810+/-0.134 χ^2/NDF:4352281.7/20

All: 527.389+/-0.102 χ^2/NDF: 8548701.1/38



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1471.142+/-1215.378 χ^2/NDF:8.7/2

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 1243.823+/-1312.917 χ^2/NDF:0.3/1

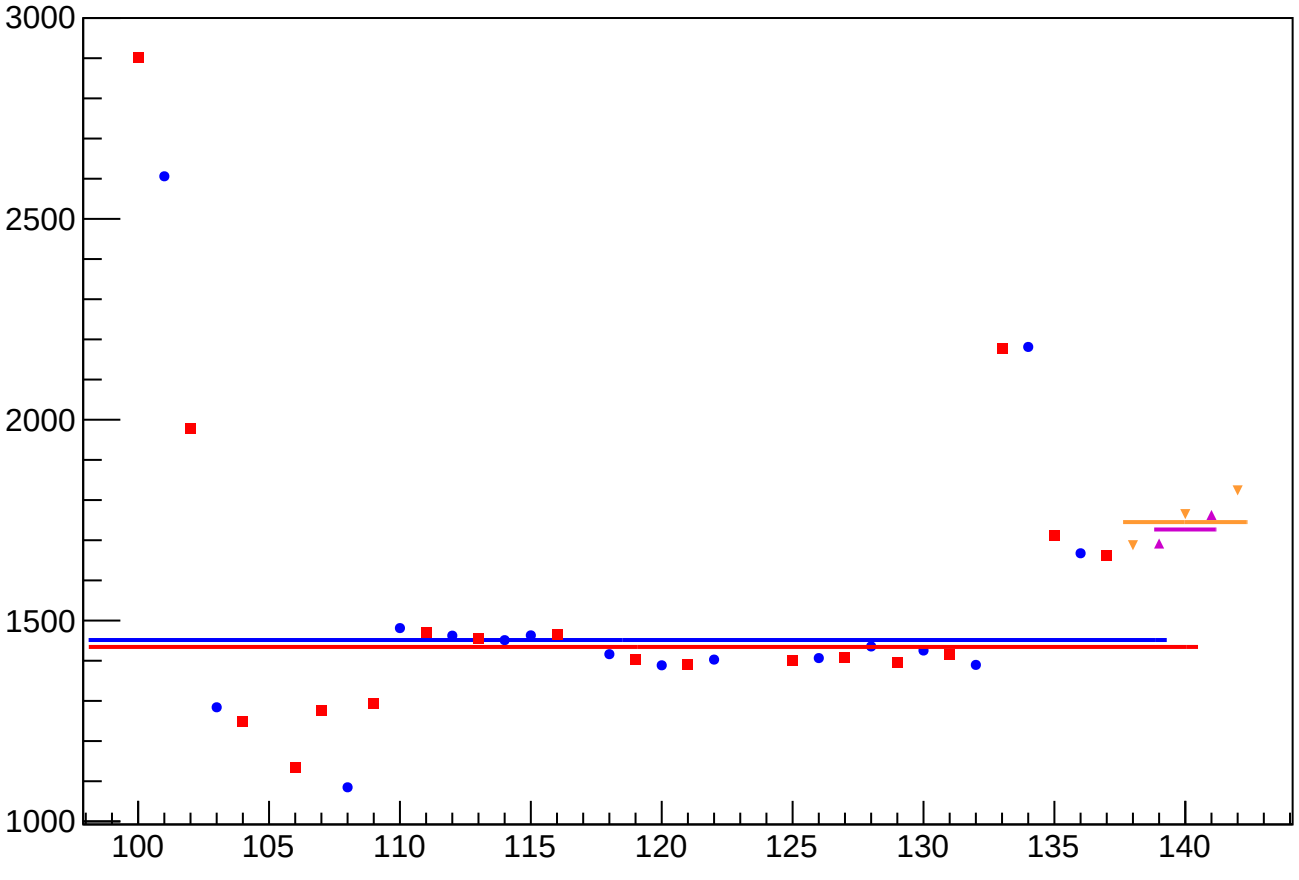
Left: -218.244+/-891.893 χ^2/NDF: 11.3/4

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 672.430+/-507.002 χ^2/NDF:21.3/17

Out: -291.304+/-497.559 χ^2/NDF:32.4/20

All: 181.504+/-355.119 χ^2/NDF: 55.5/38



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1745.166+/-0.859 χ^2/NDF:3677.7/2

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1726.722+/-0.928 χ^2/NDF:1463.7/1

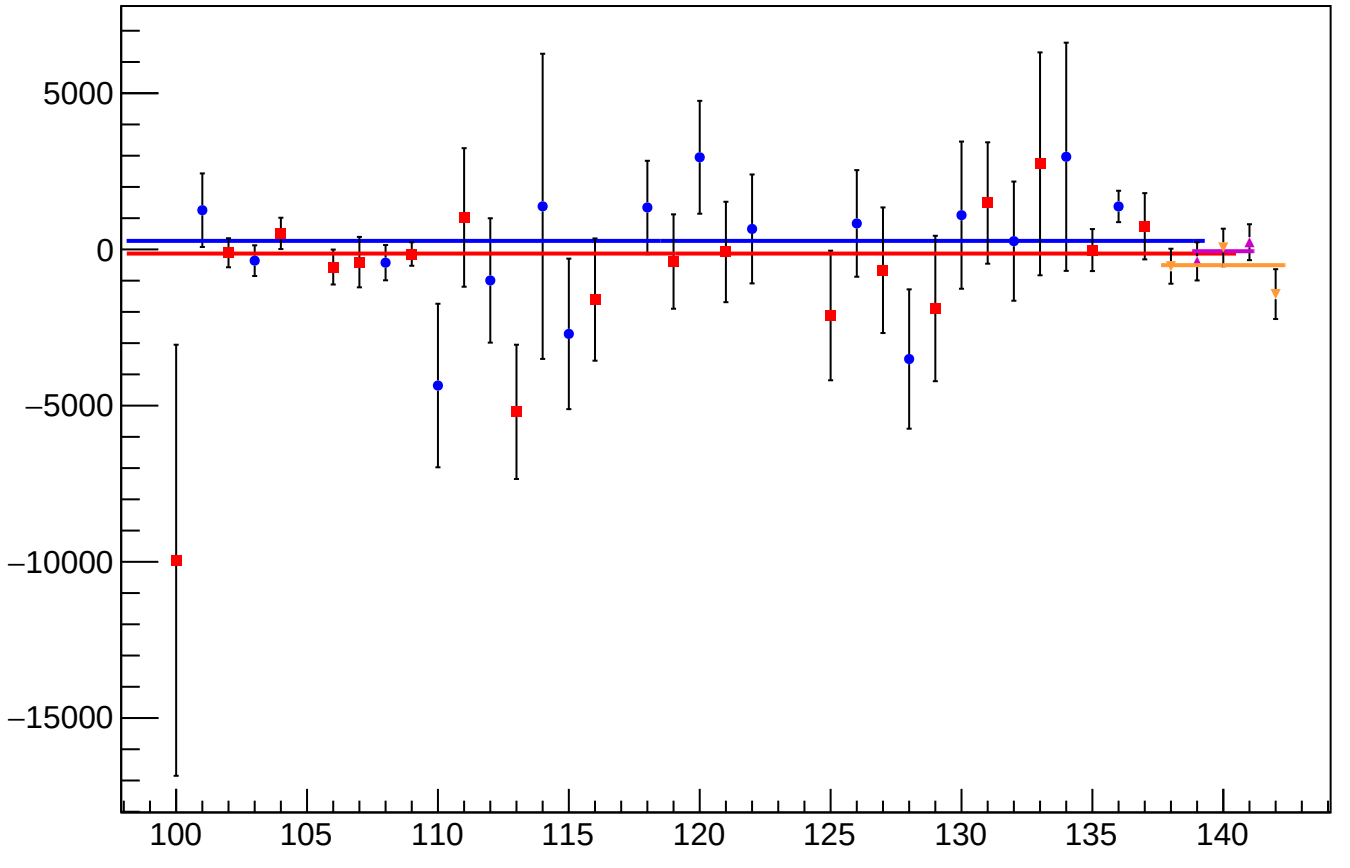
Left: 1736.654+/-0.631 χ^2/NDF: 5353.9/4

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1492.609+/-0.359 χ^2/NDF:564037.7/17

Out: 1486.418+/-0.352 χ^2/NDF:441168.0/20

All: 1489.455+/-0.251 χ^2/NDF: 1005357.7/38



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -503.681+/-364.505 χ^2/NDF:2.2/2

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: -310.989+/-274.905 χ^2/NDF: 3.4/4

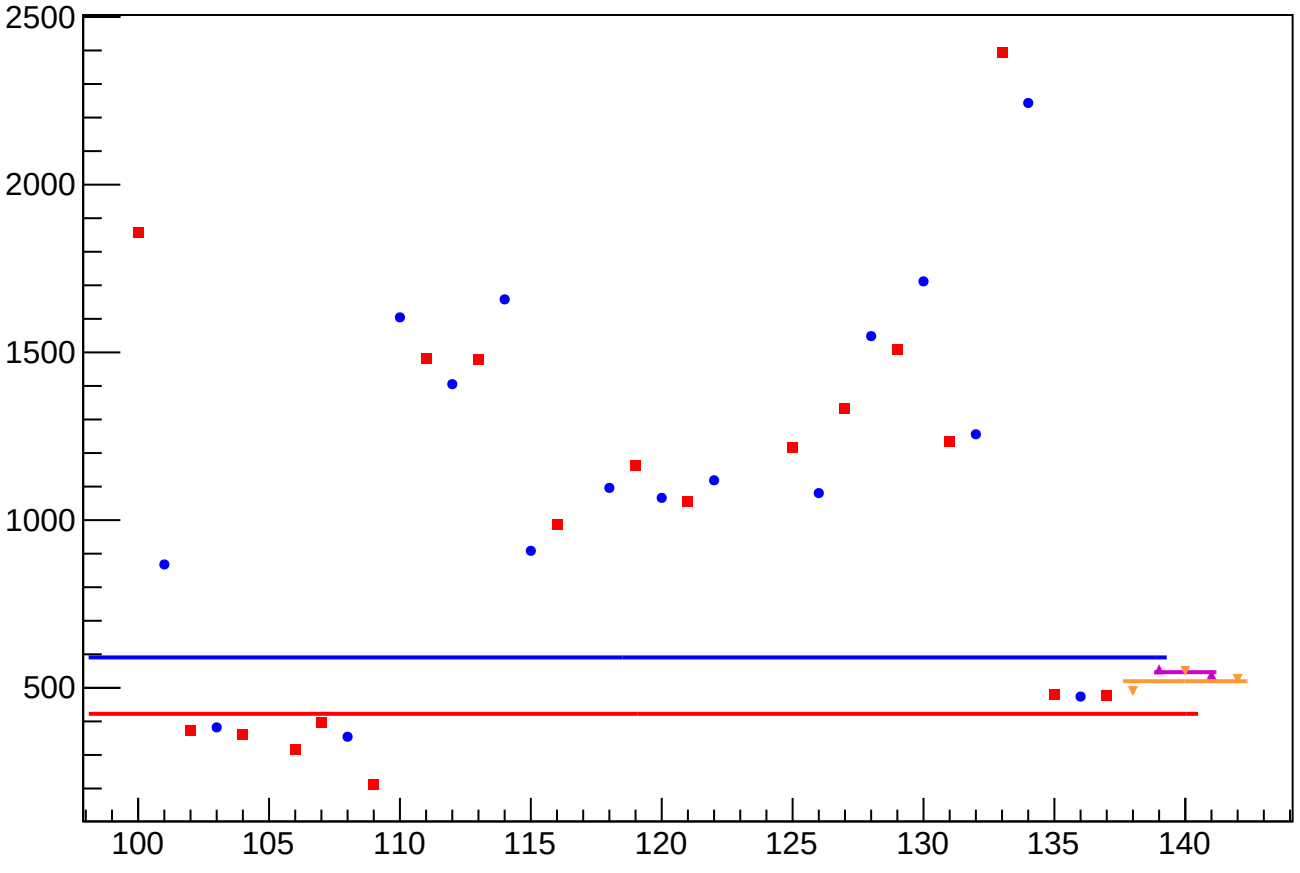
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 181.240+/-221.199 χ^2/NDF:21.2/17

Out: -215.764+/-172.581 χ^2/NDF:17.5/20

All: -65.542+/-136.067 χ^2/NDF: 40.7/38

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: 519.795+/-0.258 χ^2/NDF:10784.3/2

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 546.725+/-0.296 χ^2/NDF:783.0/1

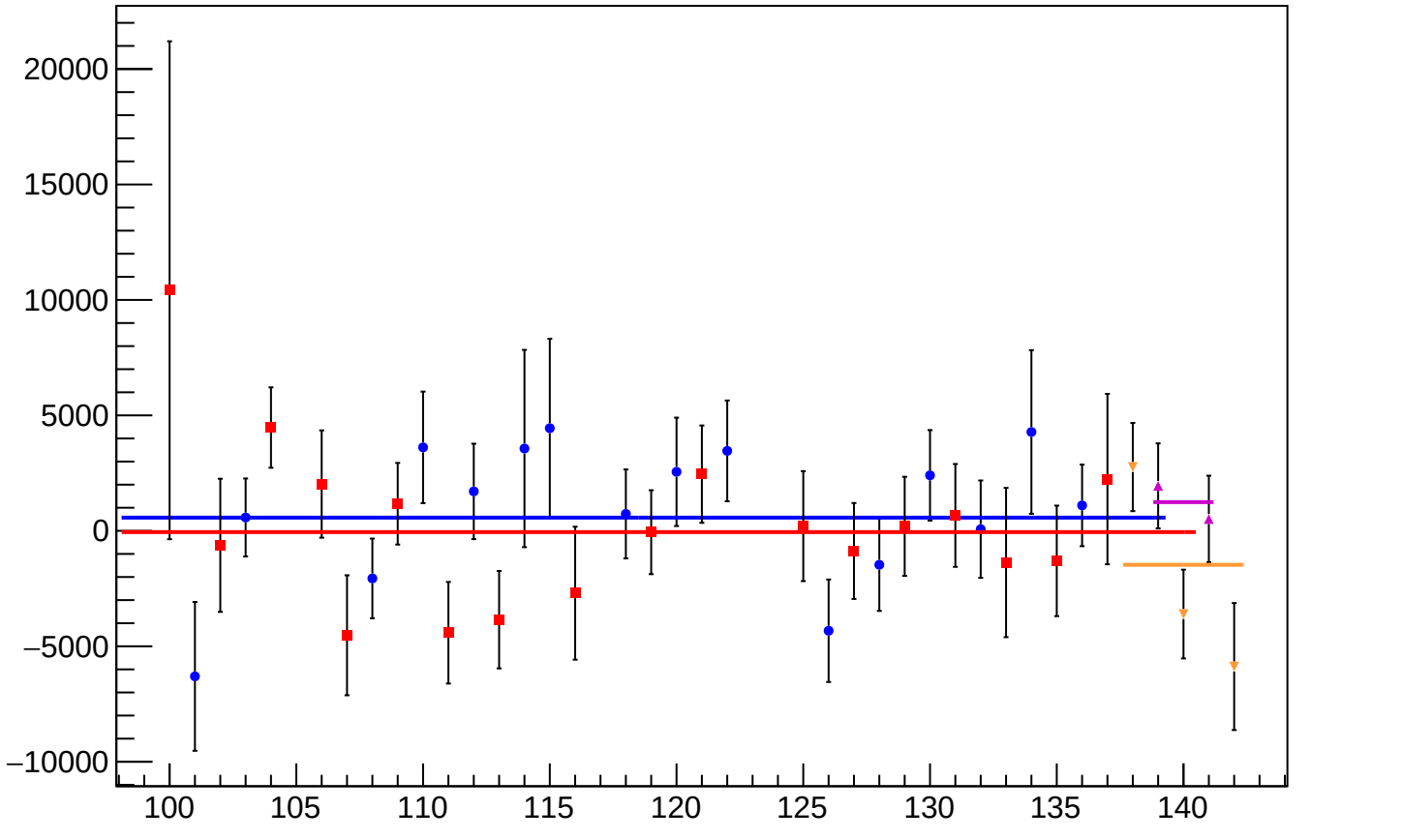
Left: 531.407+/-0.194 χ^2/NDF: 16274.7/4

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 578.458+/-0.156 χ^2/NDF:3902227.7/17

Out: 444.410+/-0.122 χ^2/NDF:4979059.7/20

All: 495.133+/-0.096 χ^2/NDF: 9337853.9/38



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1471.154+/-1215.378 χ^2/NDF:8.7/2

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 1243.809+/-1312.917 χ^2/NDF:0.3/1

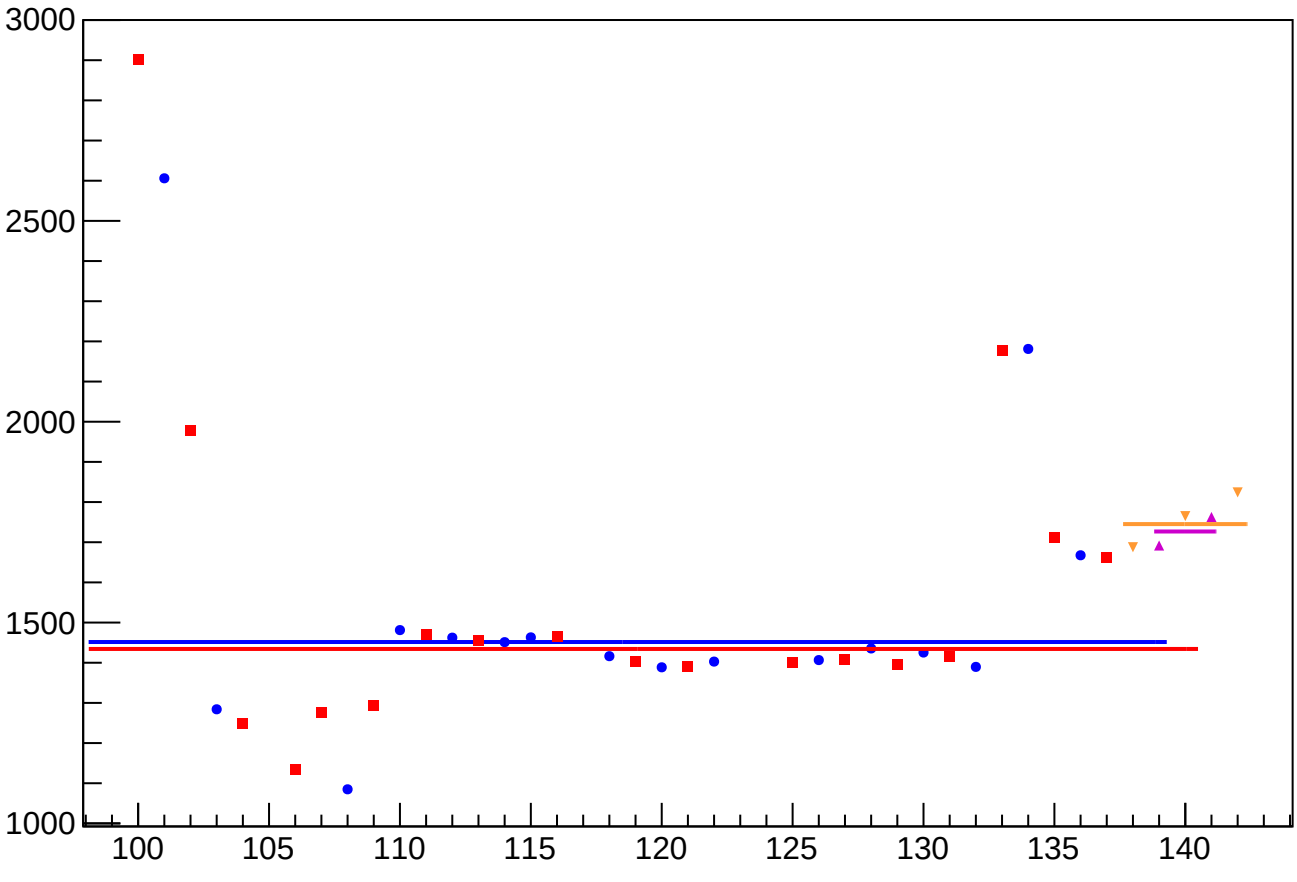
Left: -218.256+/-891.893 χ^2/NDF: 11.3/4

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 672.429+/-507.002 χ^2/NDF:21.3/17

Out: -291.304+/-497.559 χ^2/NDF:32.4/20

All: 181.503+/-355.119 χ^2/NDF: 55.5/38



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1745.166+/-0.859 χ^2/NDF:3677.7/2

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1726.722+/-0.928 χ^2/NDF:1463.7/1

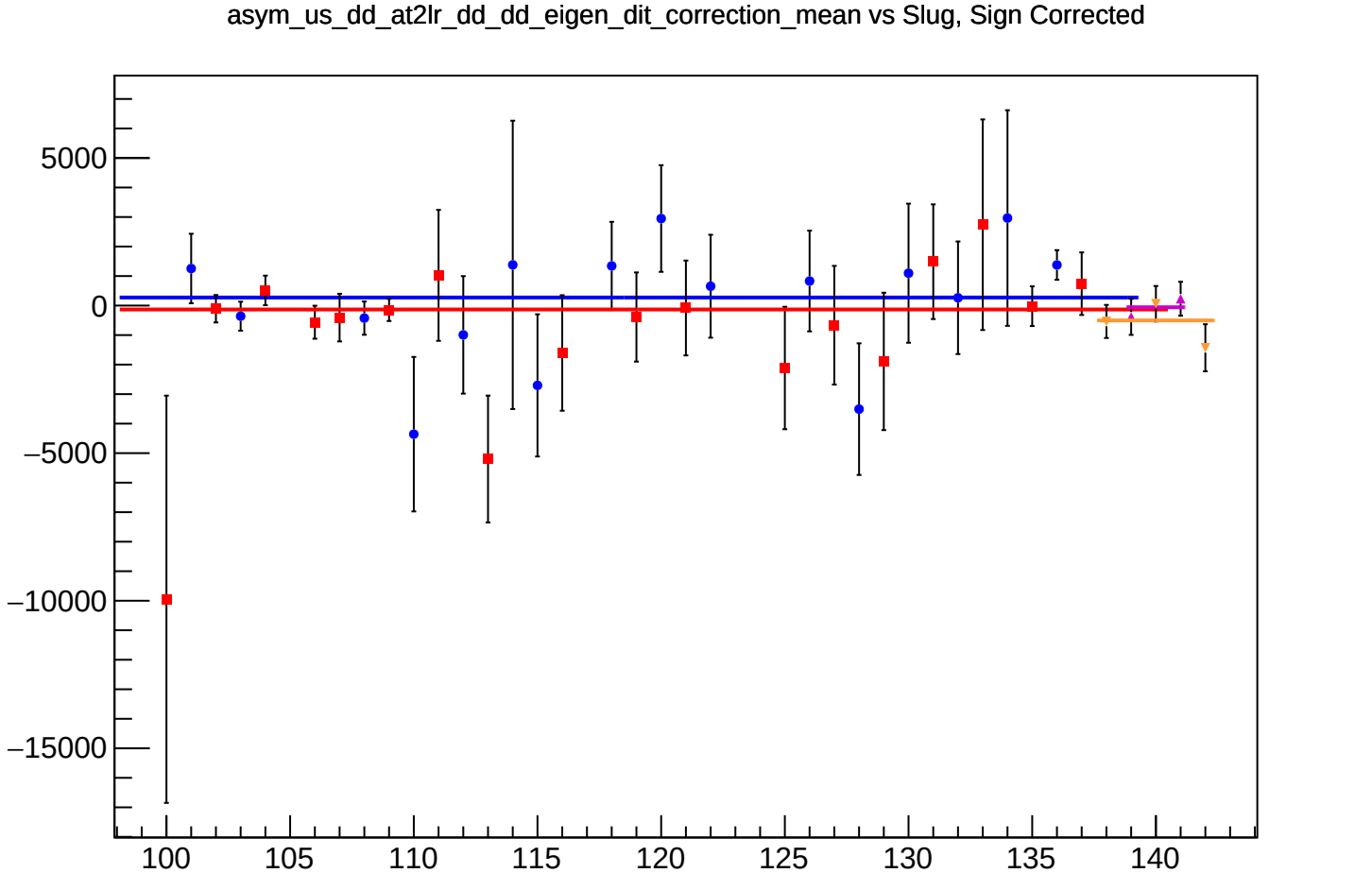
Left: 1736.654+/-0.631 χ^2/NDF: 5354.0/4

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1492.609+/-0.359 χ^2/NDF:564037.4/17

Out: 1486.418+/-0.352 χ^2/NDF:441168.3/20

All: 1489.455+/-0.251 χ^2/NDF: 1005357.7/38



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -503.692+/-364.516 χ^2/NDF:2.2/2

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: -311.001+/-274.912 χ^2/NDF: 3.4/4

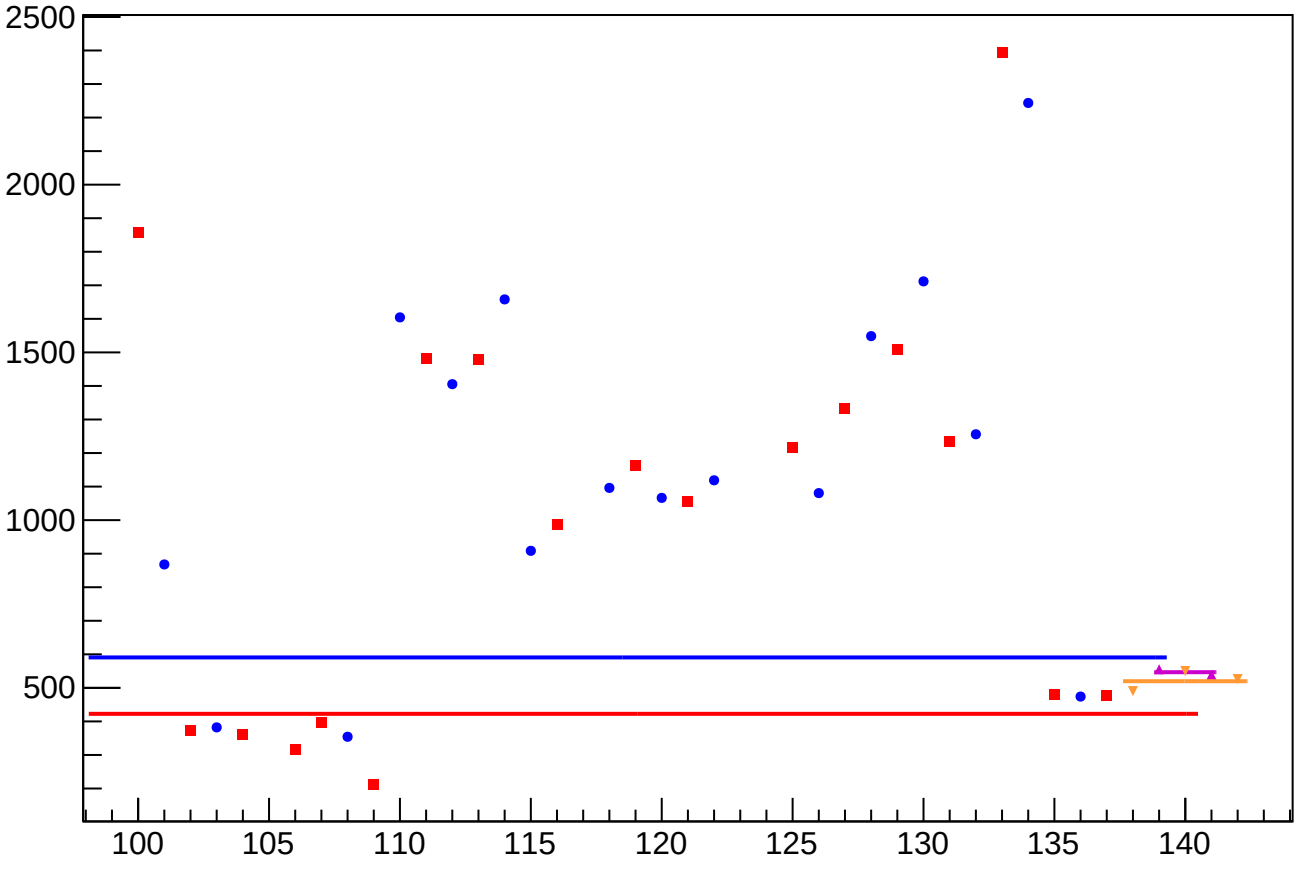
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 181.233+/-221.200 χ^2/NDF:21.2/17

Out: -215.760+/-172.583 χ^2/NDF:17.5/20

All: -65.541+/-136.068 χ^2/NDF: 40.7/38

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: 519.811+/-0.258 χ^2/NDF:10779.1/2

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 546.740+/-0.296 χ^2/NDF:784.3/1

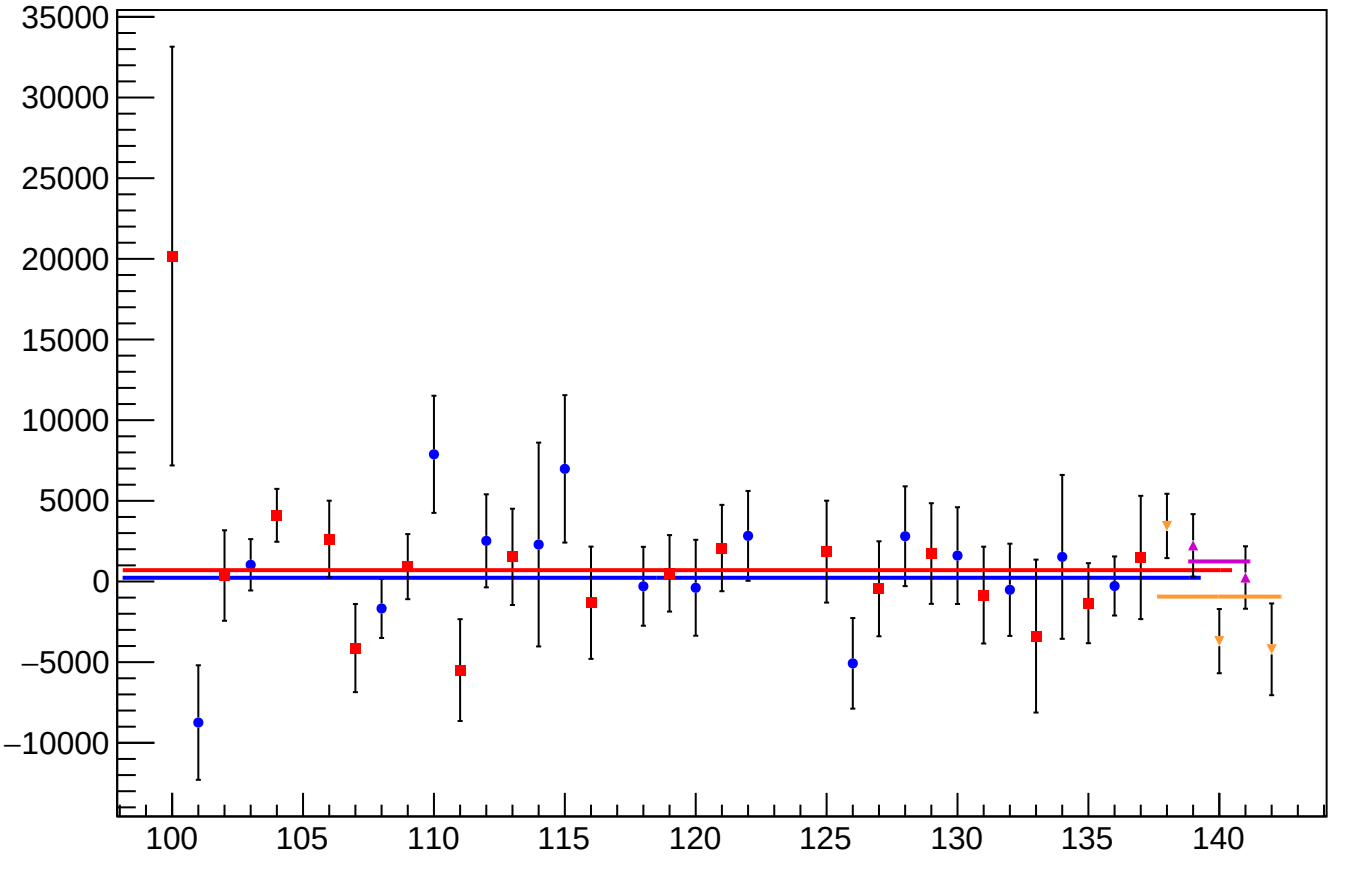
Left: 531.423+/-0.194 χ^2/NDF: 16270.2/4

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 578.462+/-0.156 χ^2/NDF:3902244.6/17

Out: 444.417+/-0.122 χ^2/NDF:4978990.0/20

All: 495.139+/-0.096 χ^2/NDF: 9337767.9/38



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -936.680+/-1262.248 χ^2/NDF:8.1/2

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 1243.598+/-1368.459 χ^2/NDF:0.5/1

Left: 65.576+/-927.823 χ^2/NDF: 10.0/4

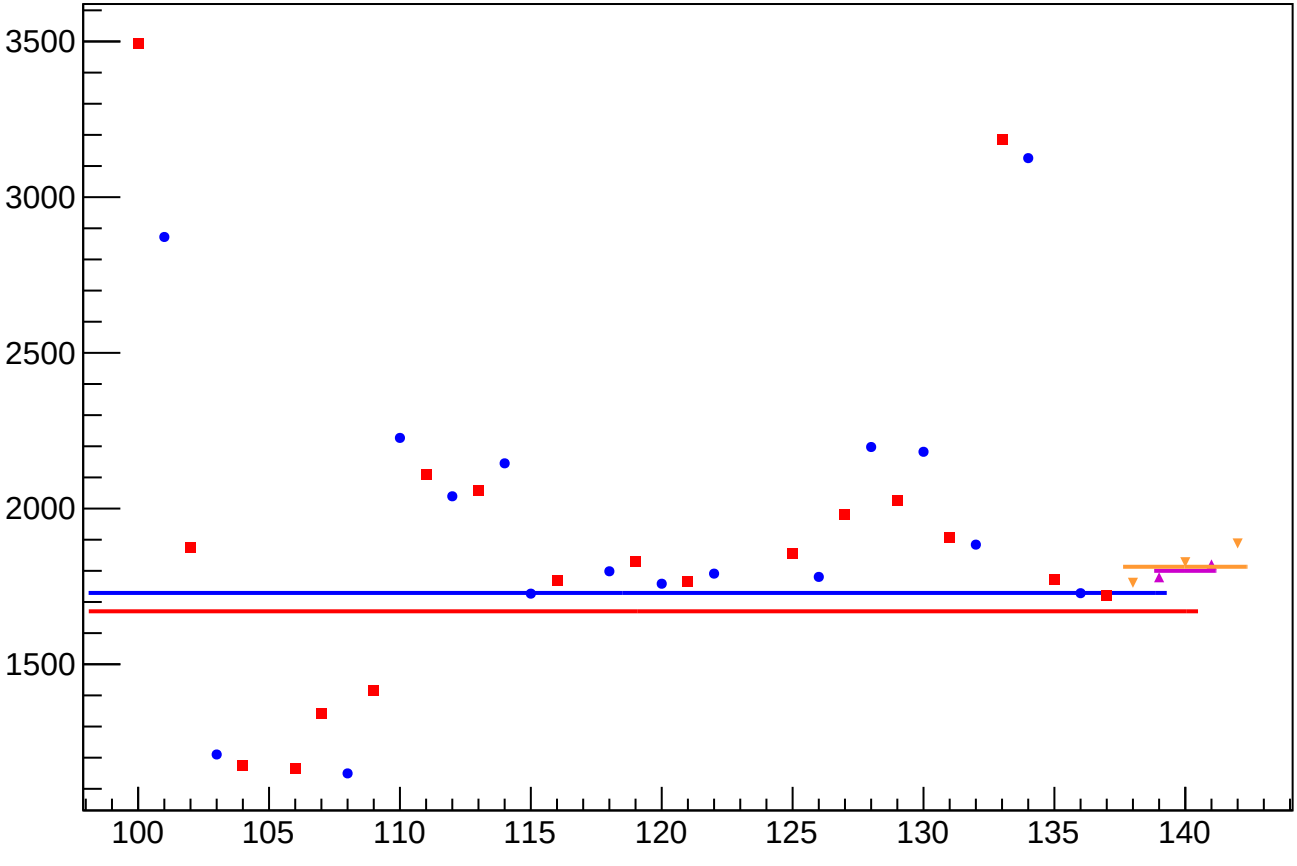
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 424.831+/-599.020 χ^2/NDF:21.7/17

Out: 360.153+/-576.698 χ^2/NDF:26.4/20

All: 391.265+/-415.454 χ^2/NDF: 48.1/38

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: 1813.095+/-0.893 χ^2/NDF:2825.7/2

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1800.046+/-0.968 χ^2/NDF:454.8/1

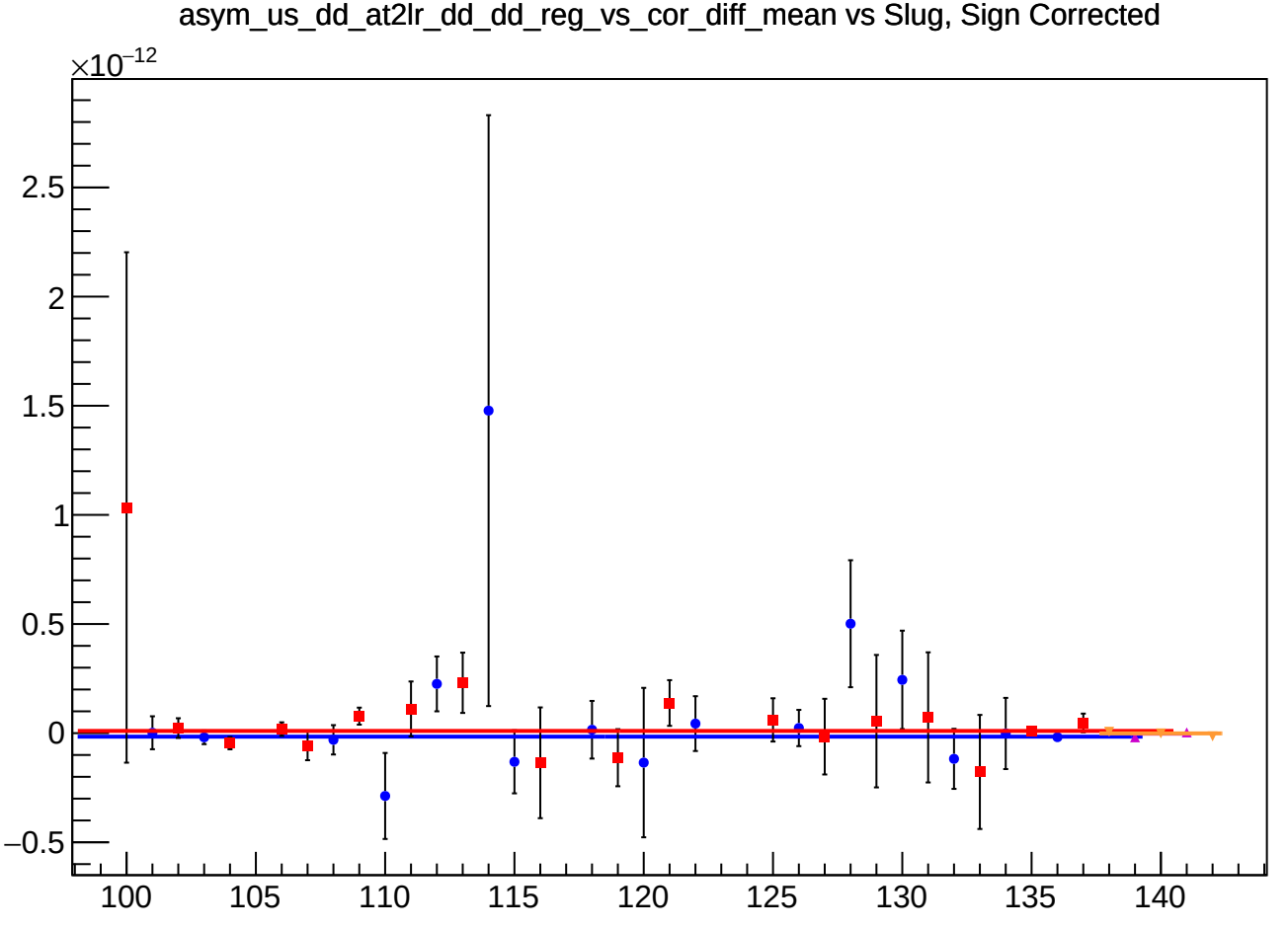
Left: 1807.096+/-0.656 χ^2/NDF: 3378.7/4

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1742.653+/-0.424 χ^2/NDF:946885.6/17

Out: 1699.914+/-0.408 χ^2/NDF:767599.7/20

All: 1720.472+/-0.294 χ^2/NDF: 1719769.2/38



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.0/2

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.2/1

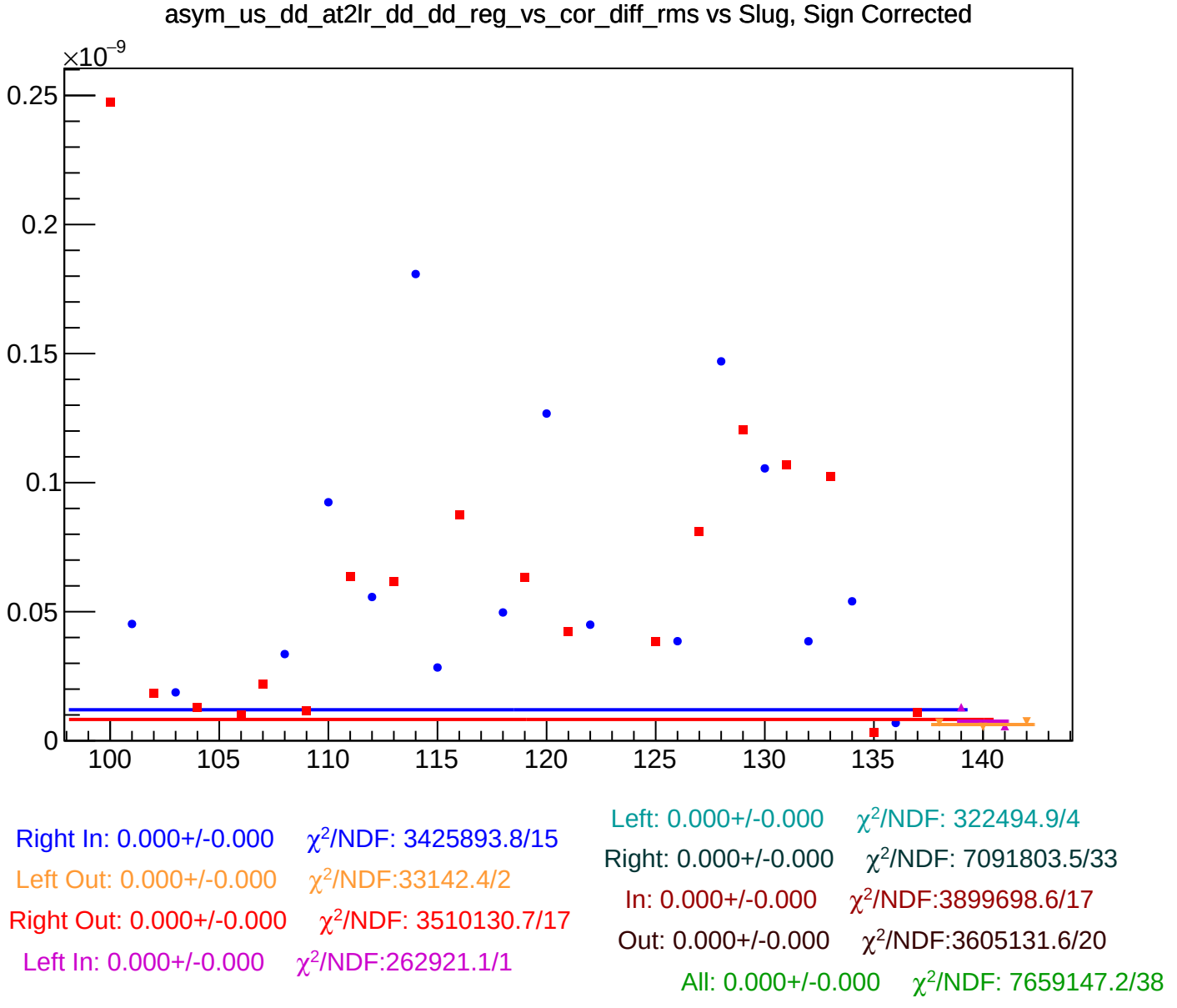
Left: -0.000+/-0.000 χ^2/NDF: 2.2/4

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

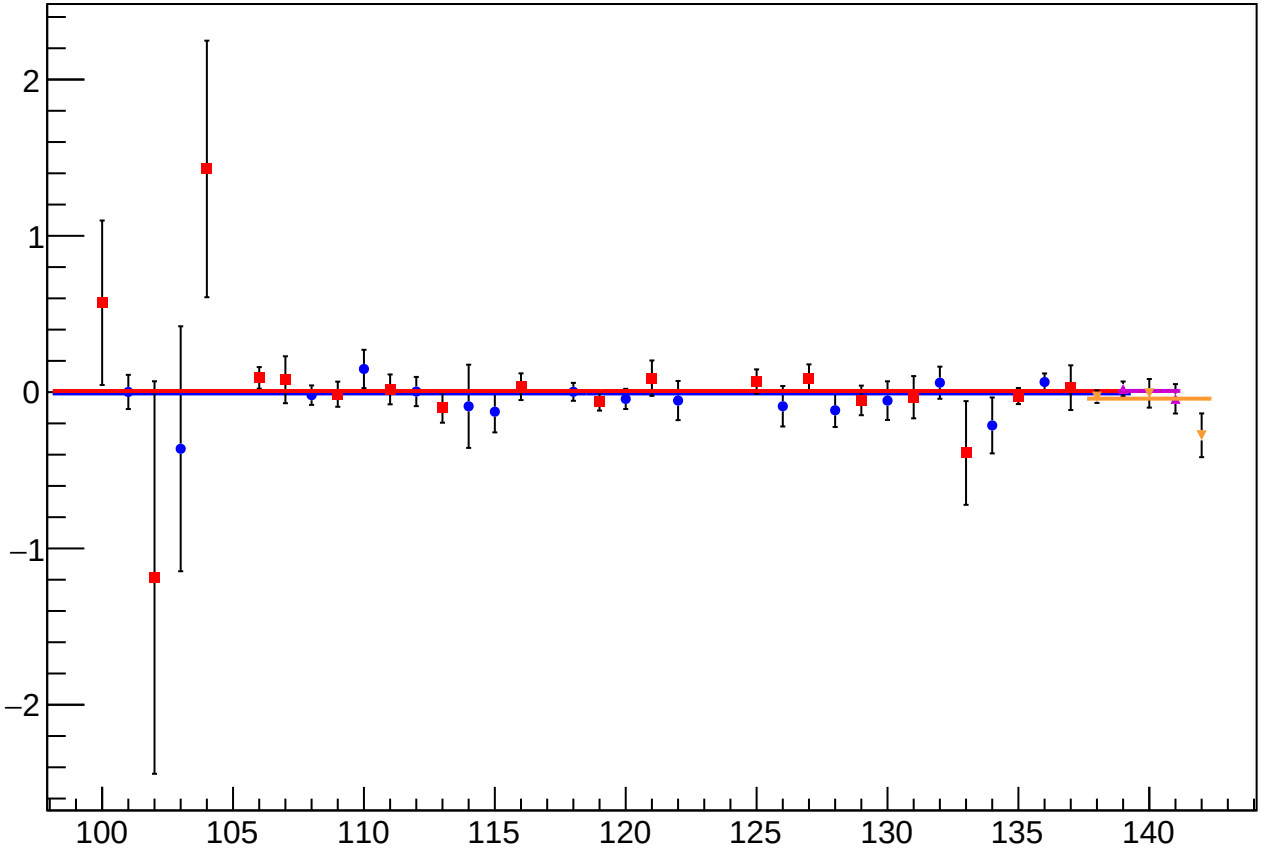
In: -0.000+/-0.000 χ^2/NDF:15.5/17

Out: 0.000+/-0.000 χ^2/NDF:18.4/20

All: -0.000+/-0.000 χ^2/NDF: 35.8/38


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.25
0.2
0.15
0.1
0.05
0
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 3425893.8/15
Left Out: 0.000+/-0.000 χ²/NDF:33142.4/2
Right Out: 0.000+/-0.000 χ²/NDF: 3510130.7/17
Left In: 0.000+/-0.000 χ²/NDF:262921.1/1
Left: 0.000+/-0.000 χ²/NDF: 322494.9/4
Right: 0.000+/-0.000 χ²/NDF: 7091803.5/33
In: 0.000+/-0.000 χ²/NDF:3899698.6/17
Out: 0.000+/-0.000 χ²/NDF:3605131.6/20
All: 0.000+/-0.000 χ²/NDF: 7659147.2/38

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

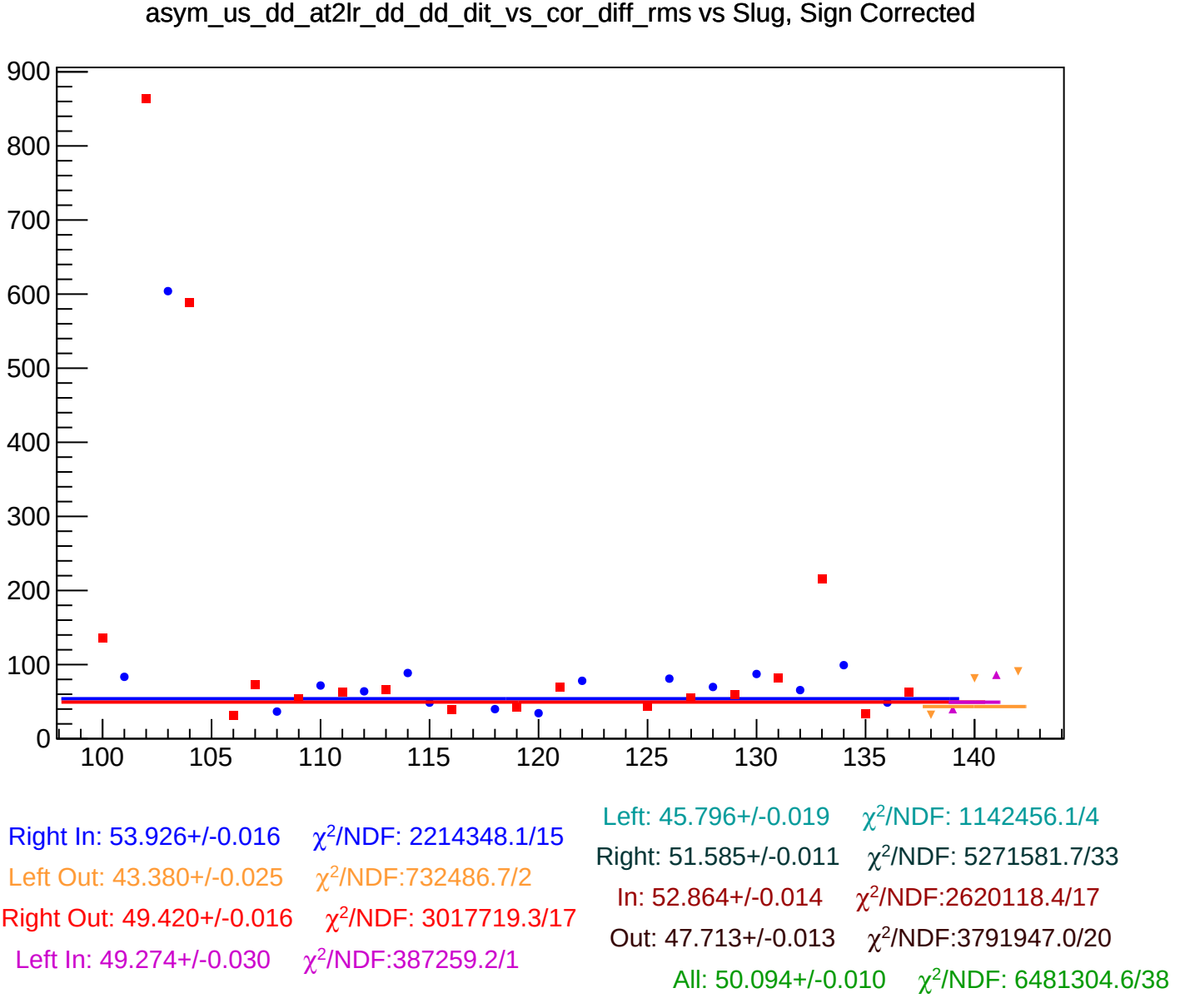
Left: -0.021+/-0.027 χ^2/NDF: 4.2/4

Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

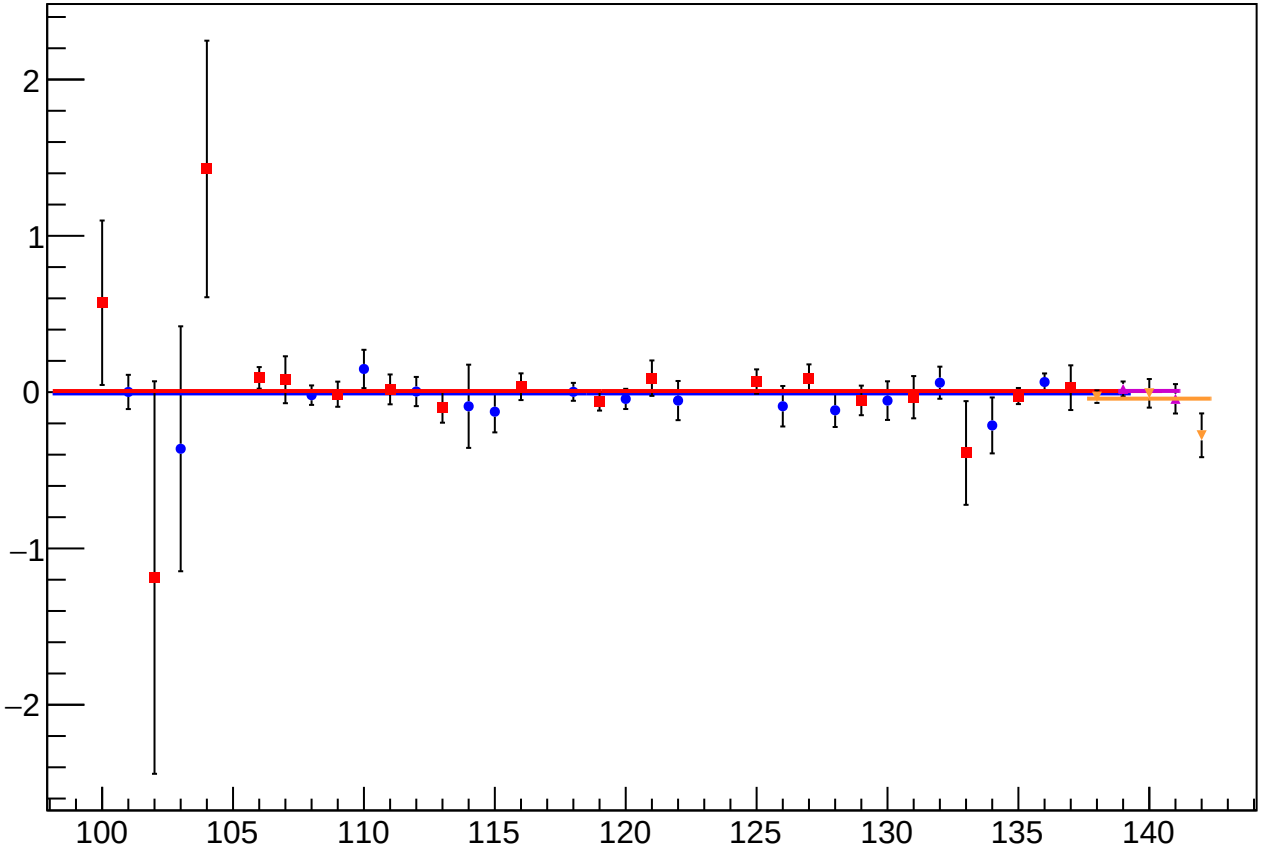
In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.006+/-0.014 χ^2/NDF: 26.8/38


asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
0
100
105
110
115
120
125
130
135
140
Right In: 53.926+/-0.016 χ2/NDF: 2214348.1/15
Left Out: 43.380+/-0.025 χ2/NDF:732486.7/2
Right Out: 49.420+/-0.016 χ2/NDF: 3017719.3/17
Left In: 49.274+/-0.030 χ2/NDF:387259.2/1
Left: 45.796+/-0.019 χ2/NDF: 1142456.1/4
Right: 51.585+/-0.011 χ2/NDF: 5271581.7/33
In: 52.864+/-0.014 χ2/NDF:2620118.4/17
Out: 47.713+/-0.013 χ2/NDF:3791947.0/20
All: 50.094+/-0.010 χ2/NDF: 6481304.6/38

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.021+/-0.027 χ^2/NDF: 4.2/4

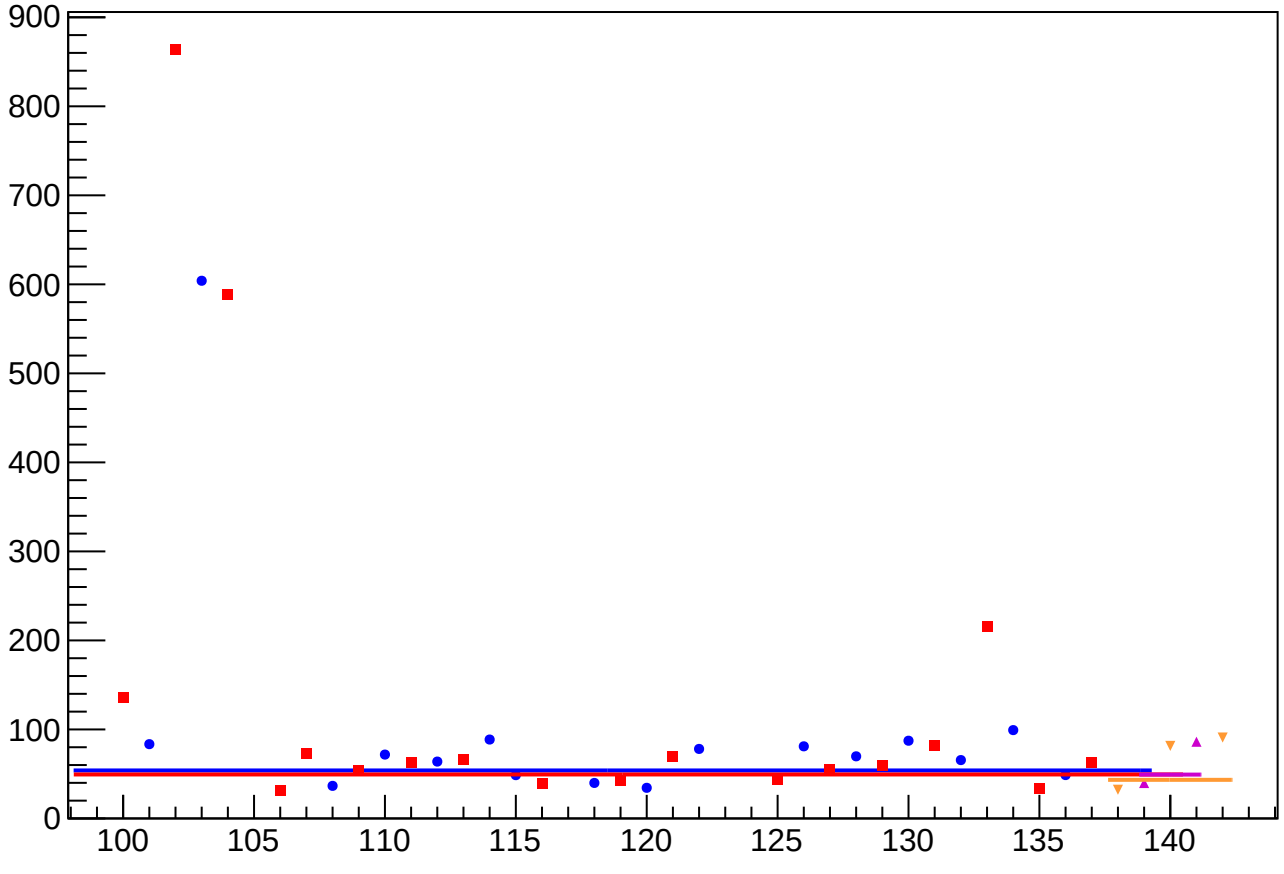
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.006+/-0.014 χ^2/NDF: 26.8/38

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: 43.380+/-0.025 χ^2/NDF:732486.7/2

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.274+/-0.030 χ^2/NDF:387259.2/1

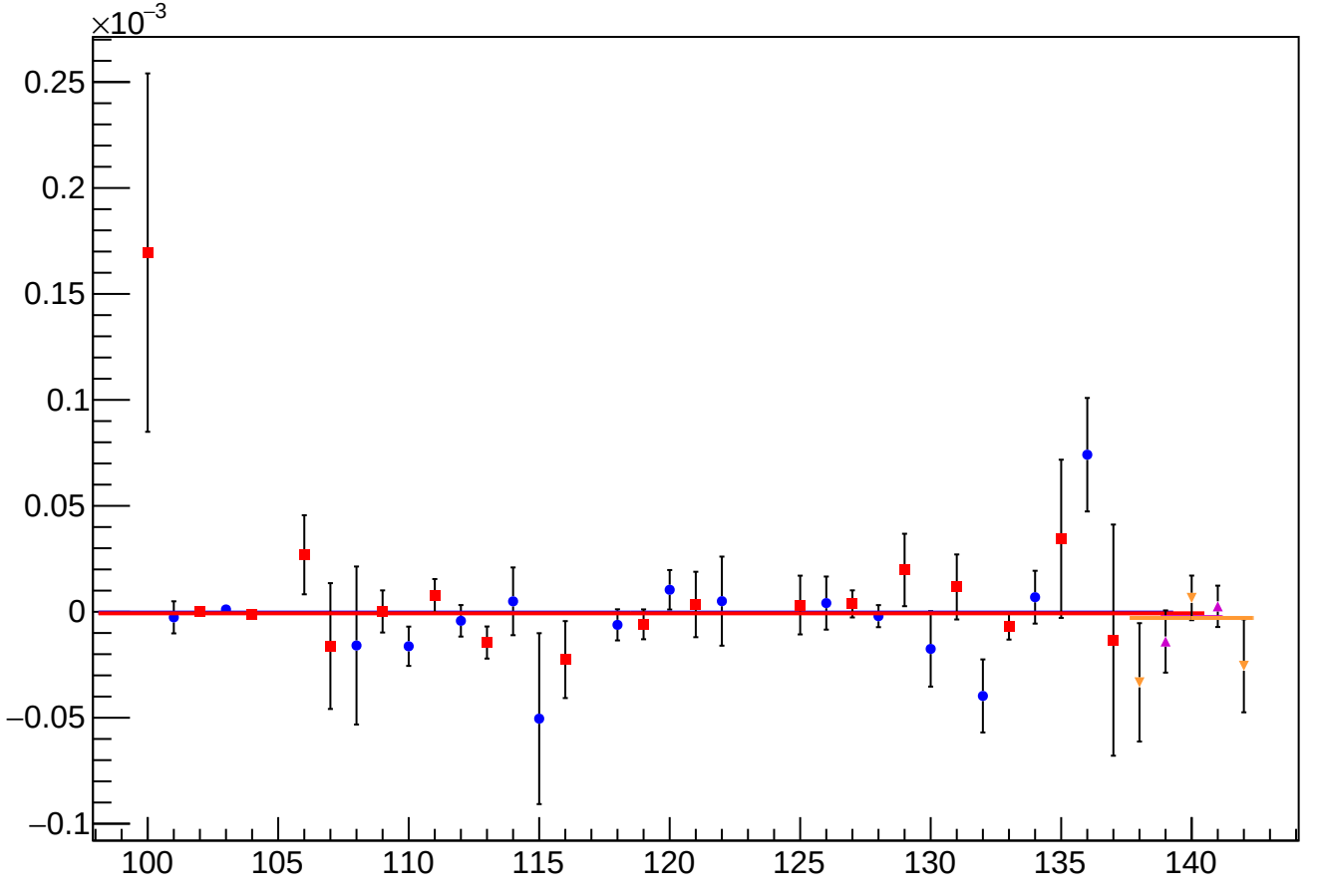
Left: 45.796+/-0.019 χ^2/NDF: 1142456.1/4

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 52.864+/-0.014 χ^2/NDF:2620118.4/17

Out: 47.713+/-0.013 χ^2/NDF:3791947.0/20

All: 50.094+/-0.010 χ^2/NDF: 6481304.6/38



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/2

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

Left: -0.000+/-0.000 χ^2/NDF: 3.9/4

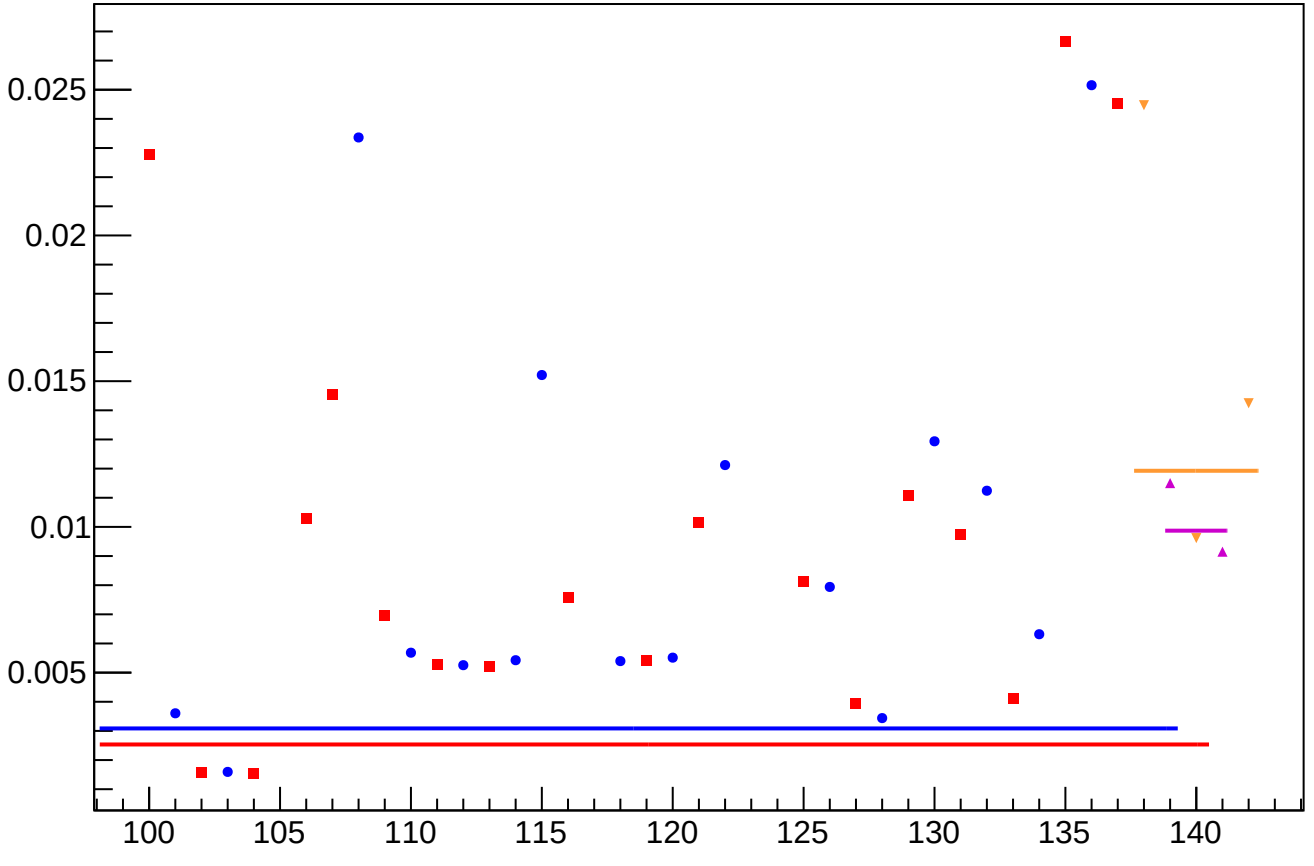
Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:23.1/17

Out: -0.000+/-0.000 χ^2/NDF:20.9/20

All: -0.000+/-0.000 χ^2/NDF: 44.0/38

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.012+/-0.000 χ^2/NDF:522331.4/2

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.010+/-0.000 χ^2/NDF:35630.2/1

Left: 0.011+/-0.000 χ^2/NDF: 615531.4/4

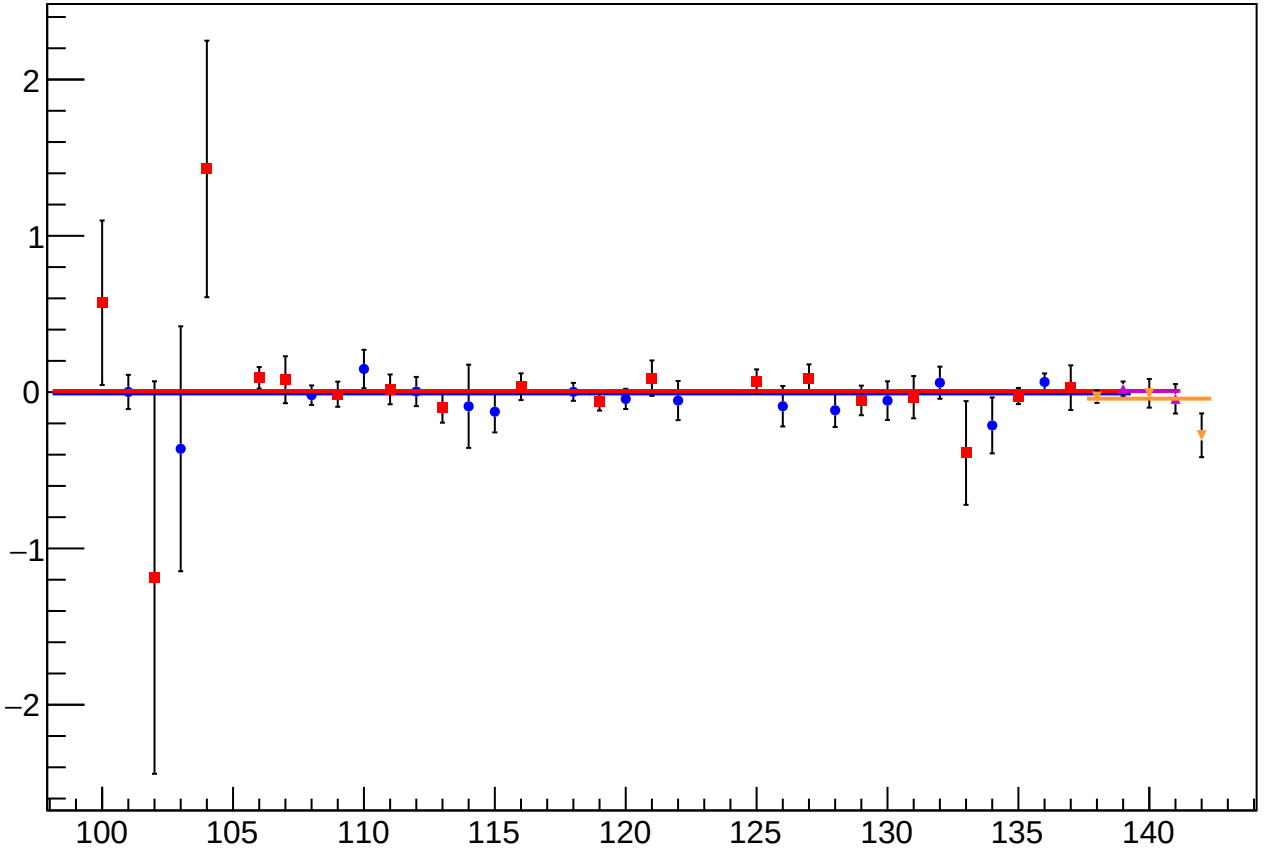
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.003+/-0.000 χ^2/NDF:7155935.0/17

Out: 0.003+/-0.000 χ^2/NDF:8903391.1/20

All: 0.003+/-0.000 χ^2/NDF: 16250299.2/38

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.021+/-0.027 χ^2/NDF: 4.2/4

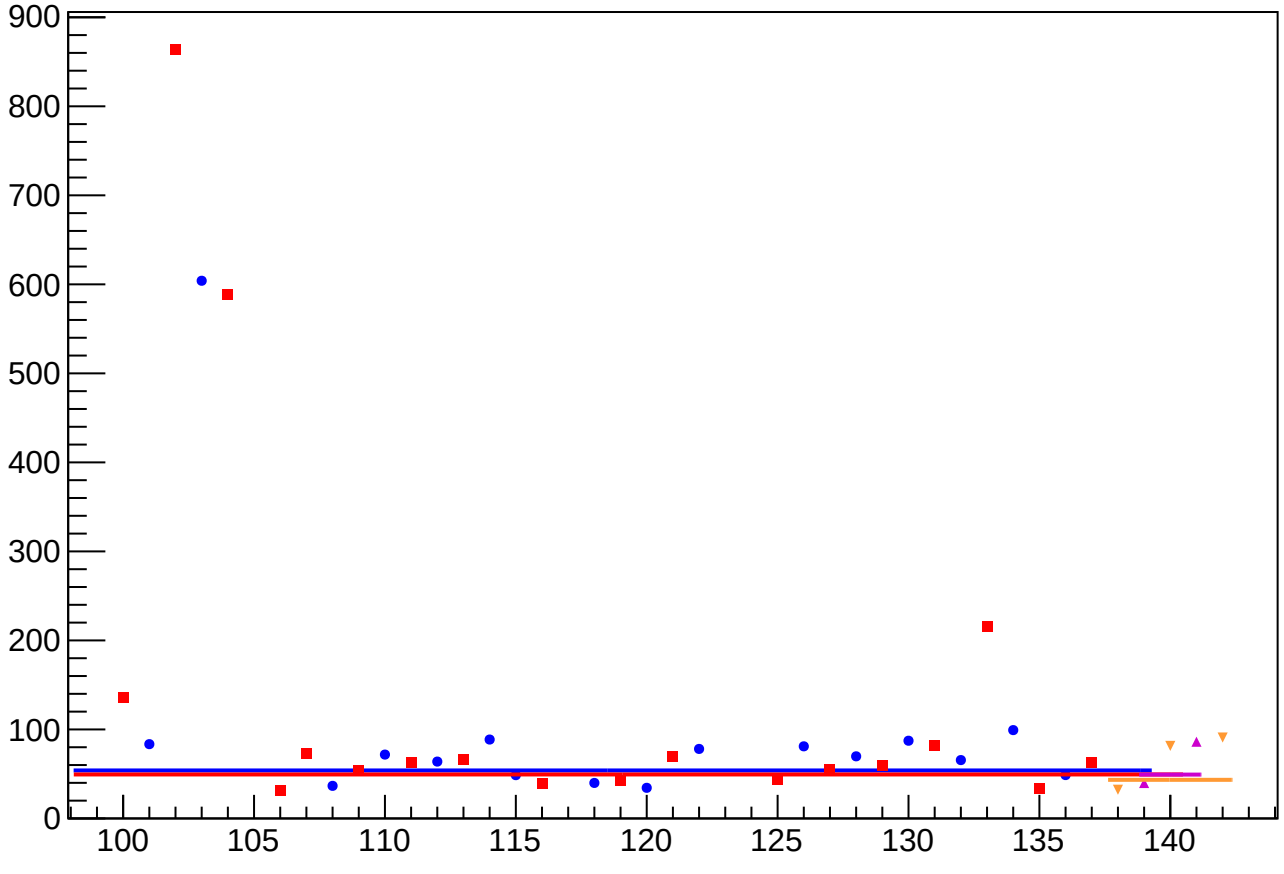
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.006+/-0.014 χ^2/NDF: 26.8/38

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: 43.390+/-0.025 χ^2/NDF:732331.3/2

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.277+/-0.030 χ^2/NDF:387286.6/1

Left: 45.803+/-0.019 χ^2/NDF: 1142270.7/4

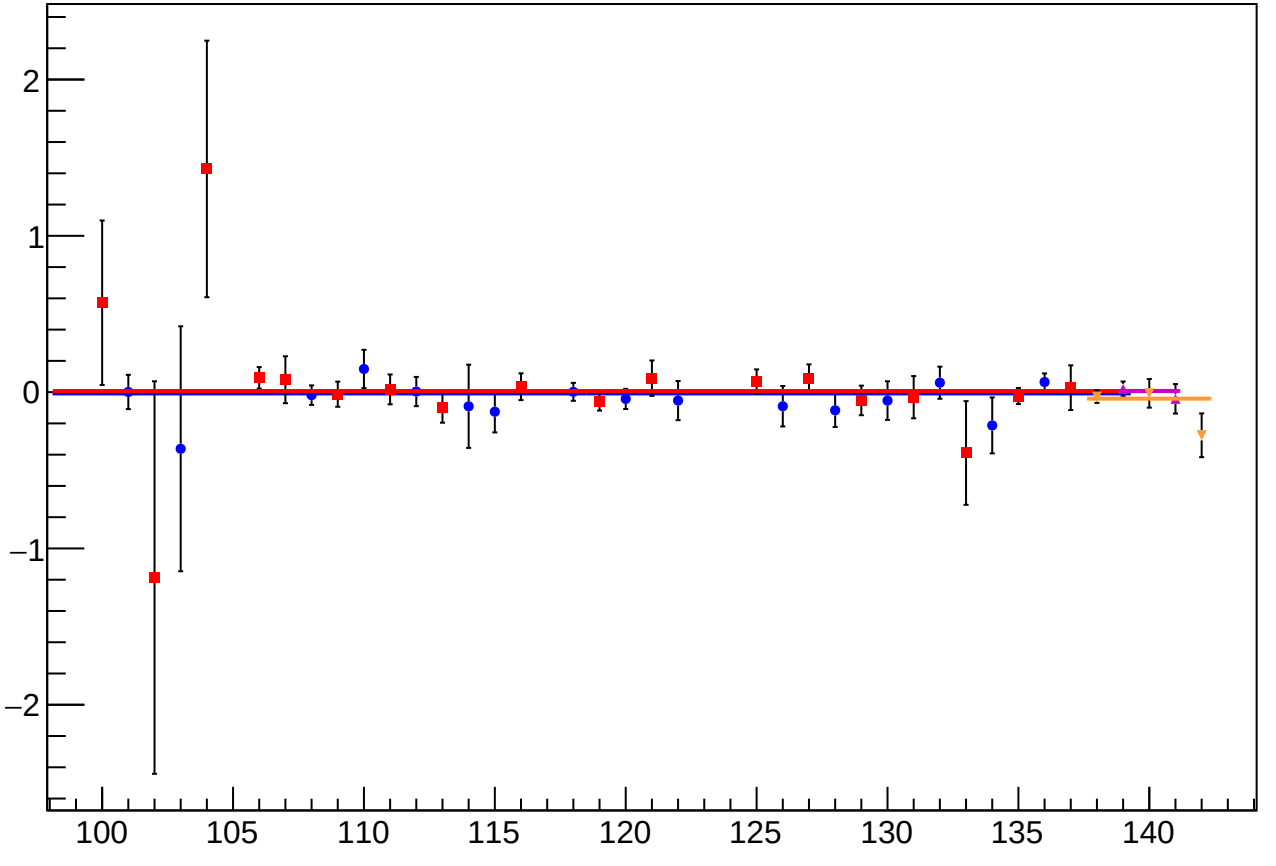
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 52.867+/-0.014 χ^2/NDF:2619747.7/17

Out: 47.718+/-0.013 χ^2/NDF:3791394.2/20

All: 50.098+/-0.010 χ^2/NDF: 6480338.8/38

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: -0.042+/-0.035 χ^2/NDF:3.0/2

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.042 χ^2/NDF:0.4/1

Left: -0.021+/-0.027 χ^2/NDF: 4.2/4

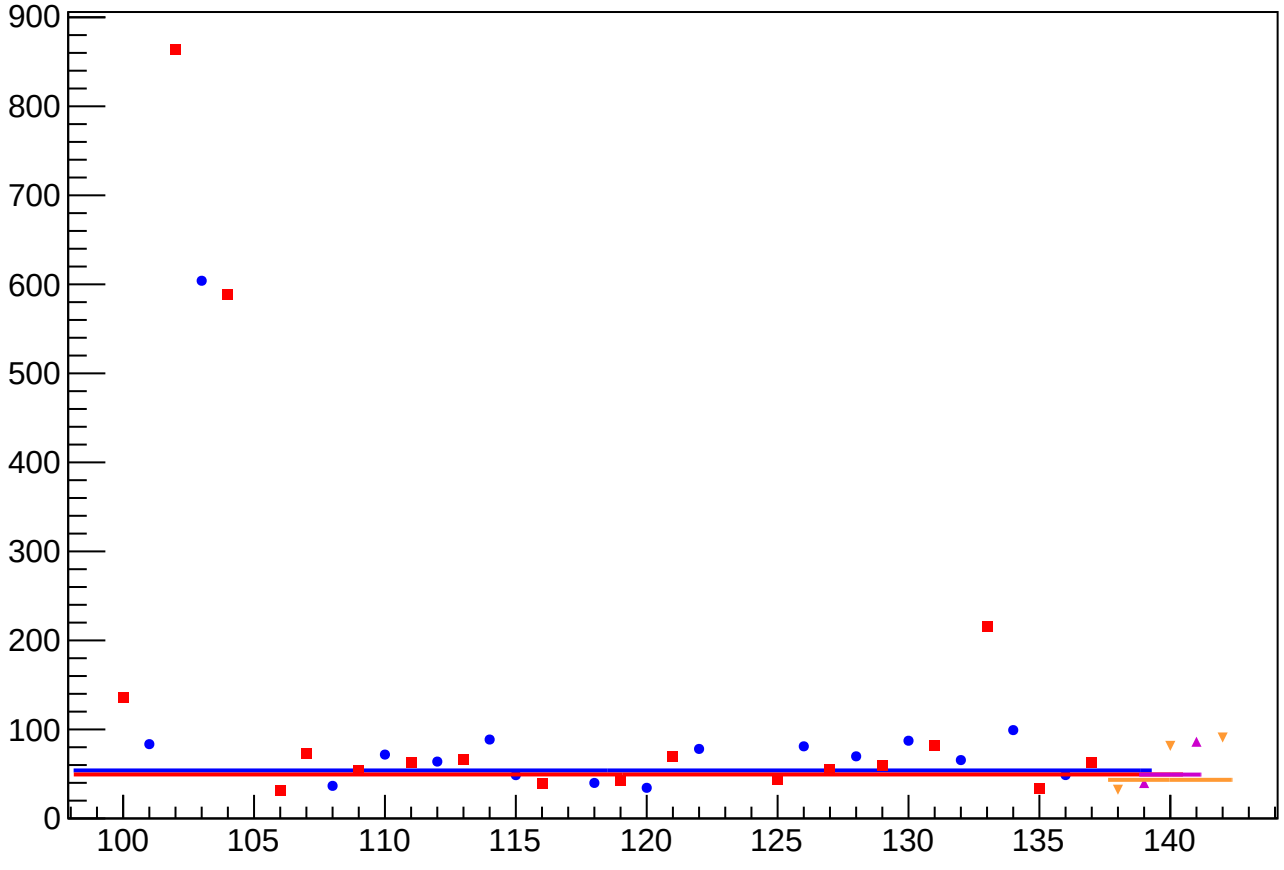
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.020 χ^2/NDF:8.8/17

Out: -0.007+/-0.019 χ^2/NDF:18.1/20

All: -0.006+/-0.014 χ^2/NDF: 26.8/38

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: 43.390+/-0.025 χ^2/NDF:732331.3/2

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.277+/-0.030 χ^2/NDF:387286.6/1

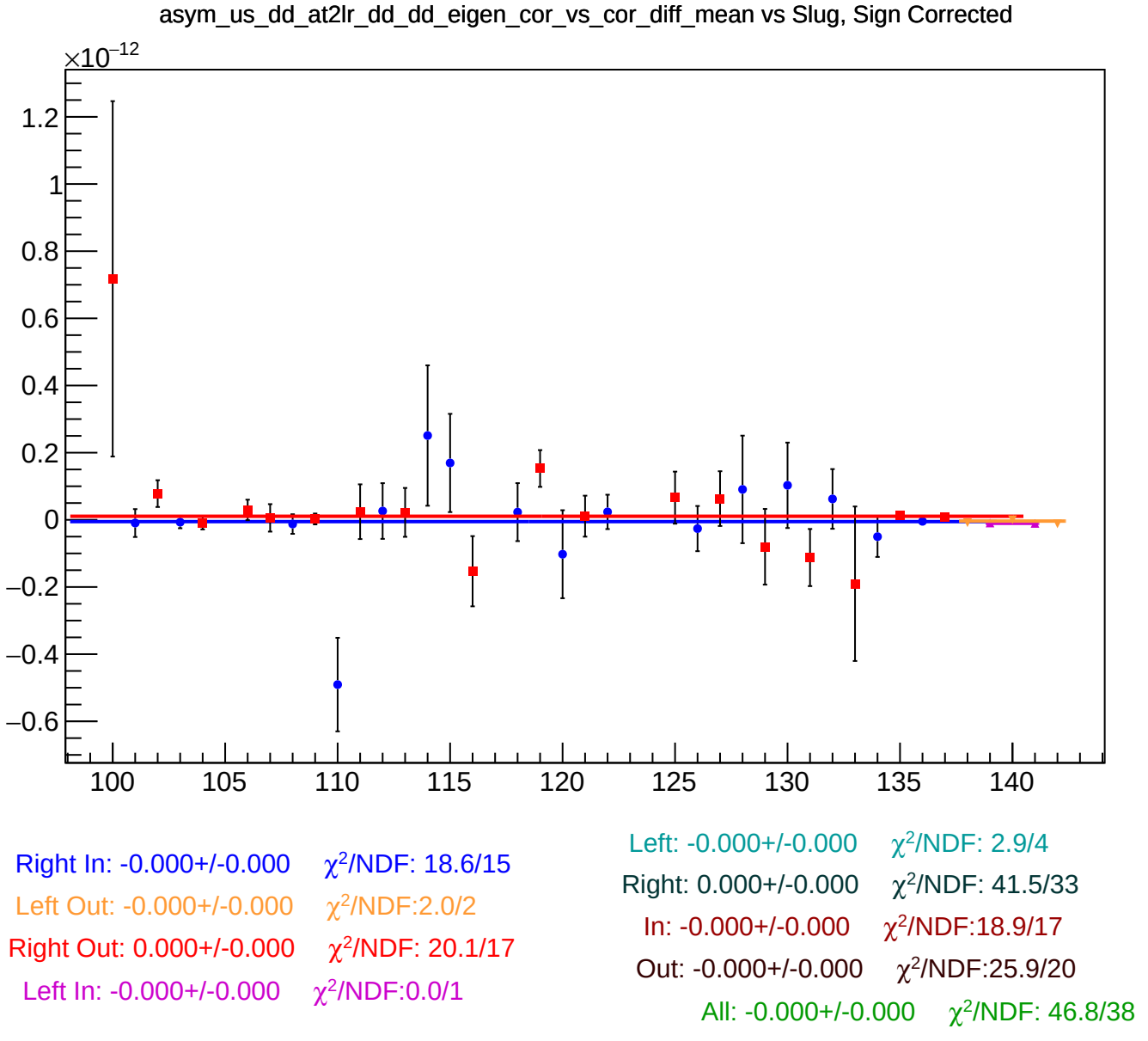
Left: 45.803+/-0.019 χ^2/NDF: 1142270.7/4

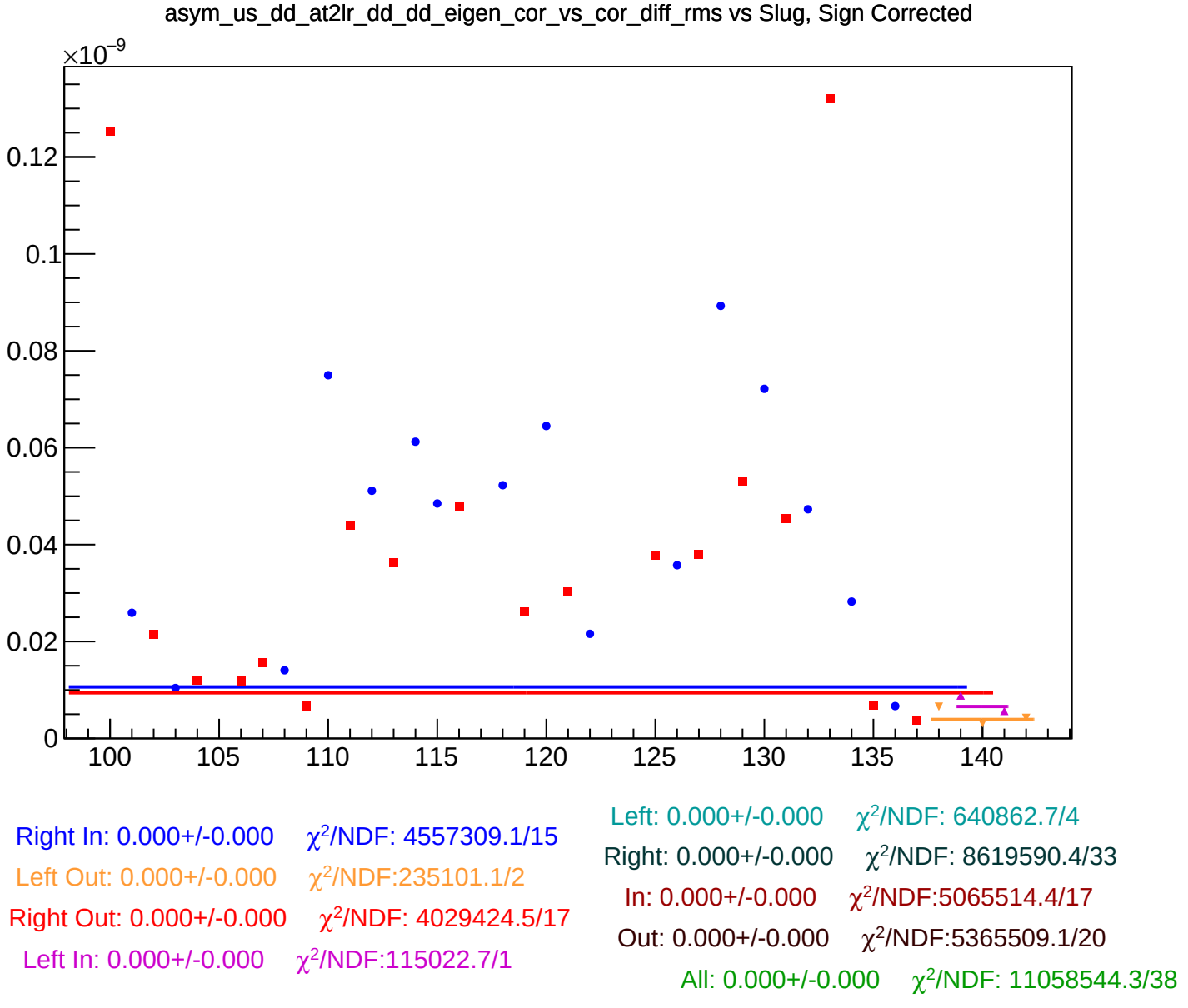
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

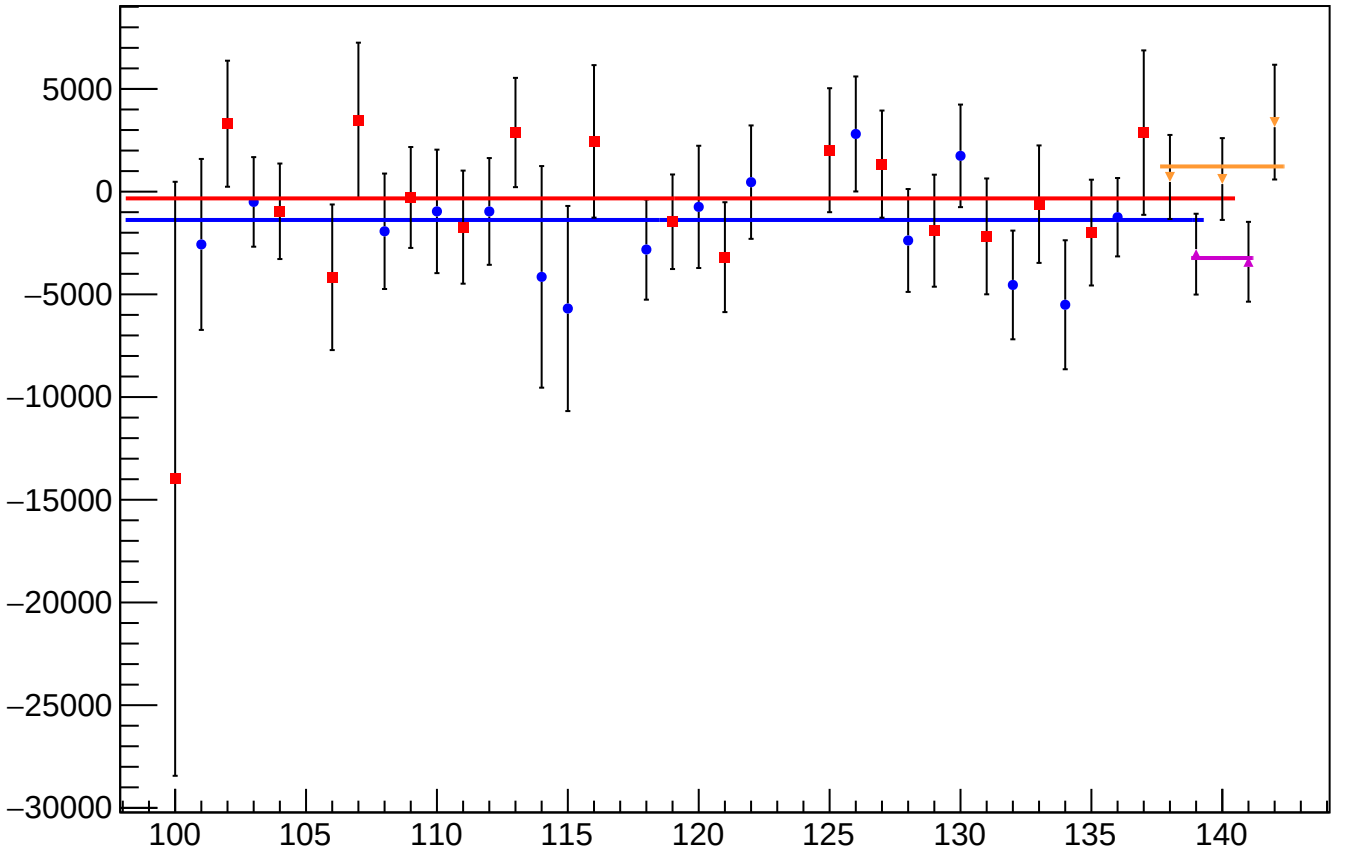
In: 52.867+/-0.014 χ^2/NDF:2619747.7/17

Out: 47.718+/-0.013 χ^2/NDF:3791394.2/20

All: 50.098+/-0.010 χ^2/NDF: 6480338.8/38


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.0/2
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:0.0/1
Left: -0.000+/-0.000 χ²/NDF: 2.9/4
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:18.9/17
Out: -0.000+/-0.000 χ²/NDF:25.9/20
All: -0.000+/-0.000 χ²/NDF: 46.8/38


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:235101.1/2
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: 640862.7/4
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:5365509.1/20
All: 0.000+/-0.000 χ²/NDF: 11058544.3/38



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.601+/-1270.680 χ^2/NDF:0.8/2

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -3230.694+/-1382.489 χ^2/NDF:0.0/1

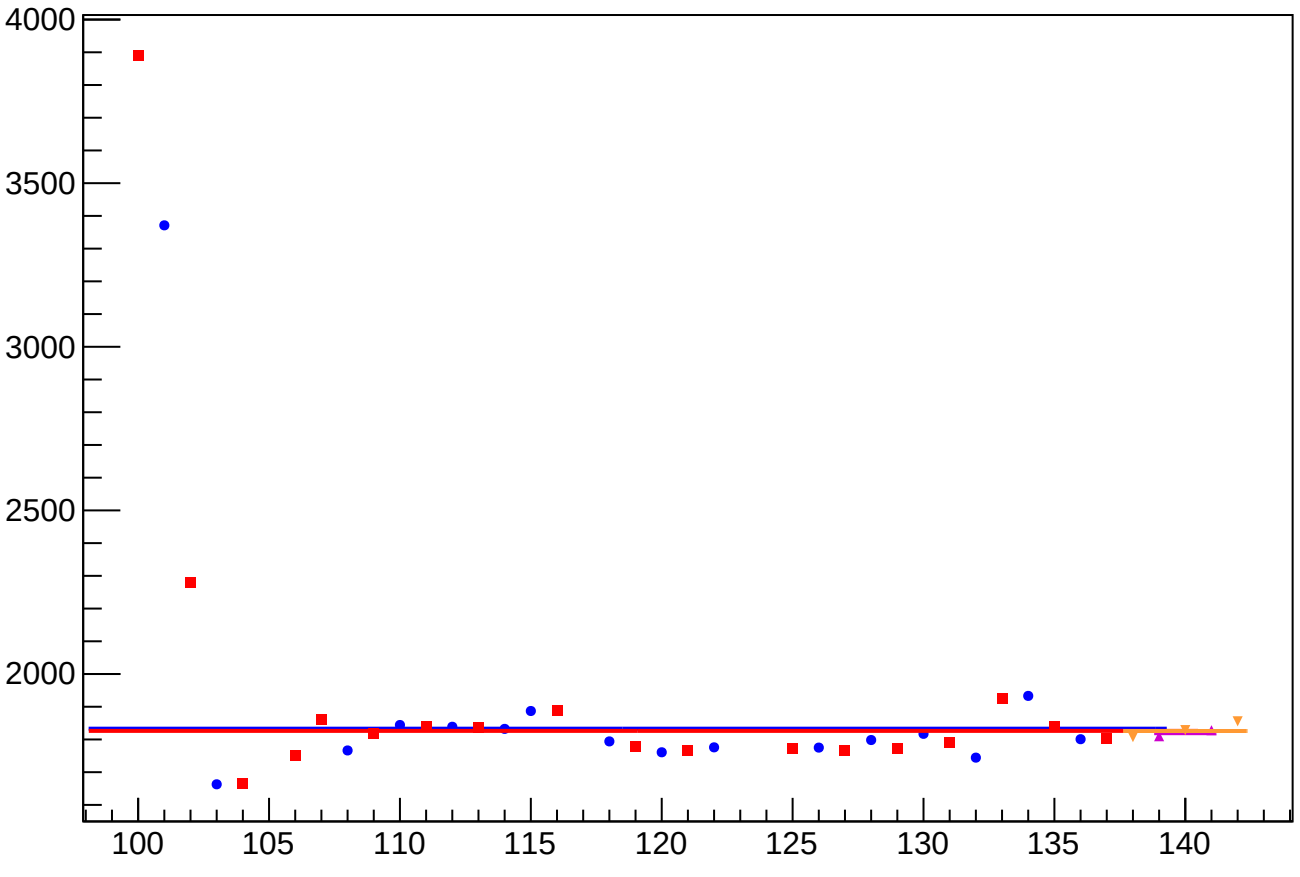
Left: -814.543+/-935.541 χ^2/NDF: 6.4/4

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1747.248+/-616.682 χ^2/NDF:10.8/17

Out: 20.575+/-602.208 χ^2/NDF:13.0/20

All: -842.347+/-430.851 χ^2/NDF: 27.9/38



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

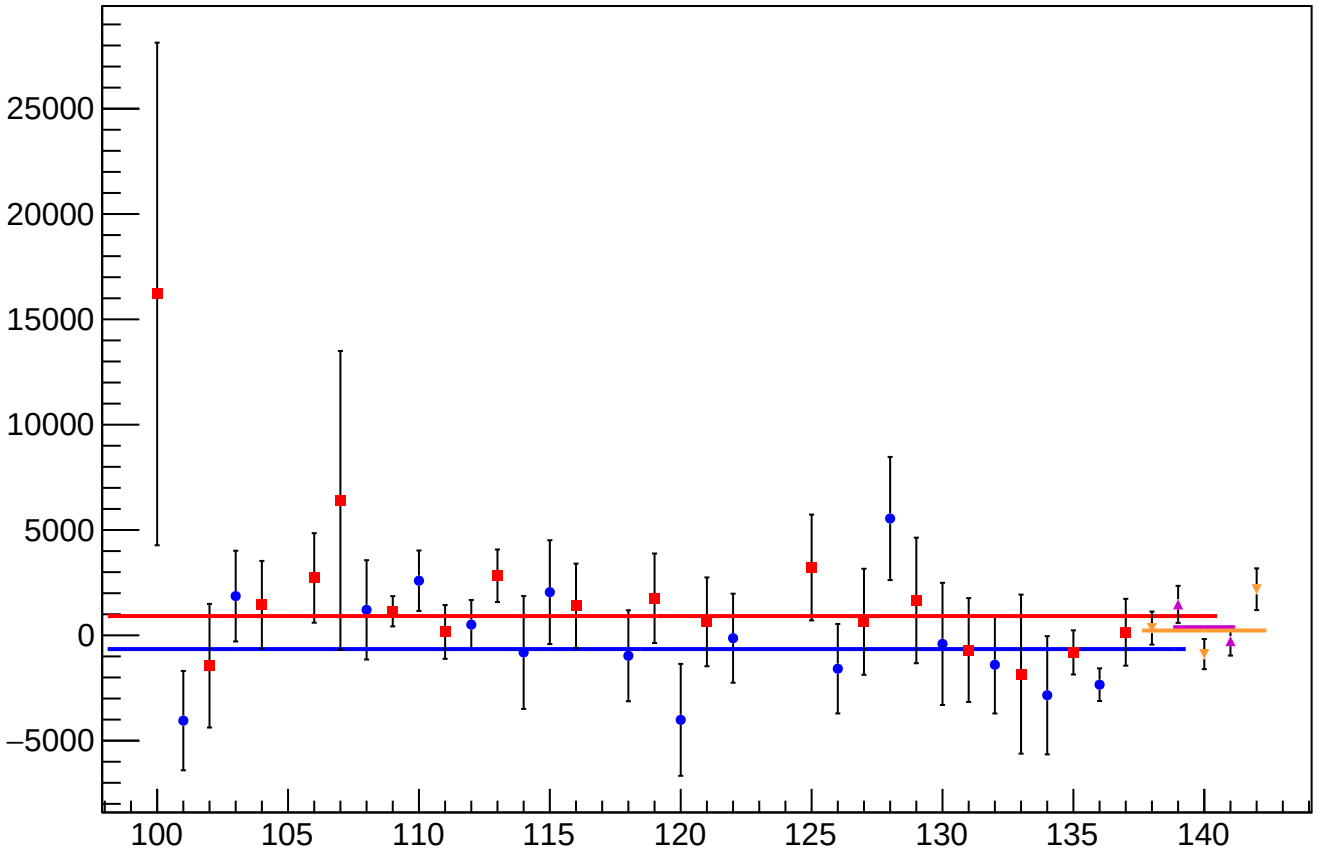
Left: 1822.805+/-0.662 χ^2/NDF: 509.3/4

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1830.208+/-0.436 χ^2/NDF:295686.8/17

Out: 1826.132+/-0.426 χ^2/NDF:103402.1/20

All: 1828.121+/-0.305 χ^2/NDF: 399133.5/38



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 229.626+/-466.283 χ^2/NDF:6.4/2

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 385.724+/-540.884 χ^2/NDF:2.5/1

Left: 296.176+/-353.166 χ^2/NDF: 8.9/4

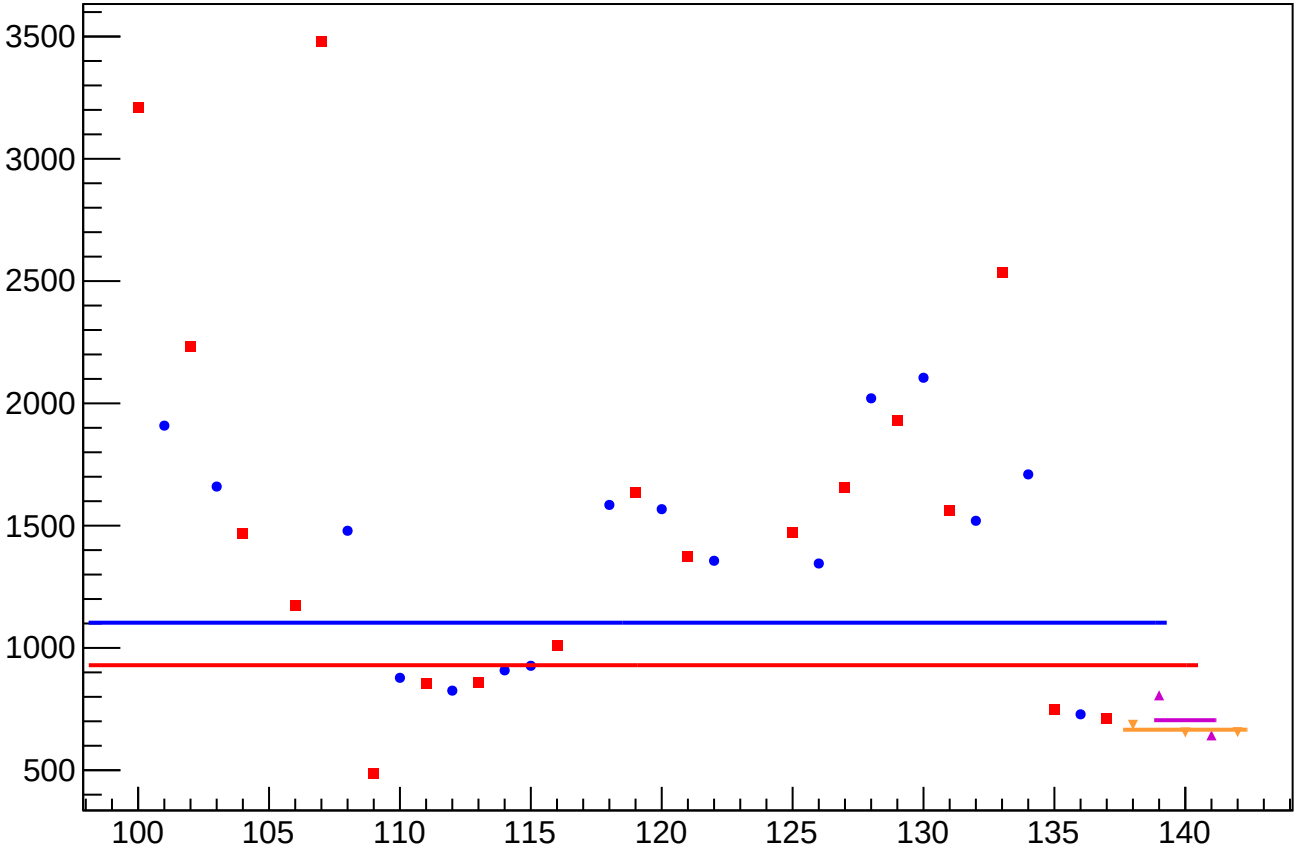
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -236.308+/-342.320 χ^2/NDF:27.9/17

Out: 629.820+/-300.690 χ^2/NDF:19.2/20

All: 252.597+/-225.912 χ^2/NDF: 50.7/38

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: 665.597+/-0.330 χ^2/NDF:1993.3/2

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 704.510+/-0.382 χ^2/NDF:43042.9/1

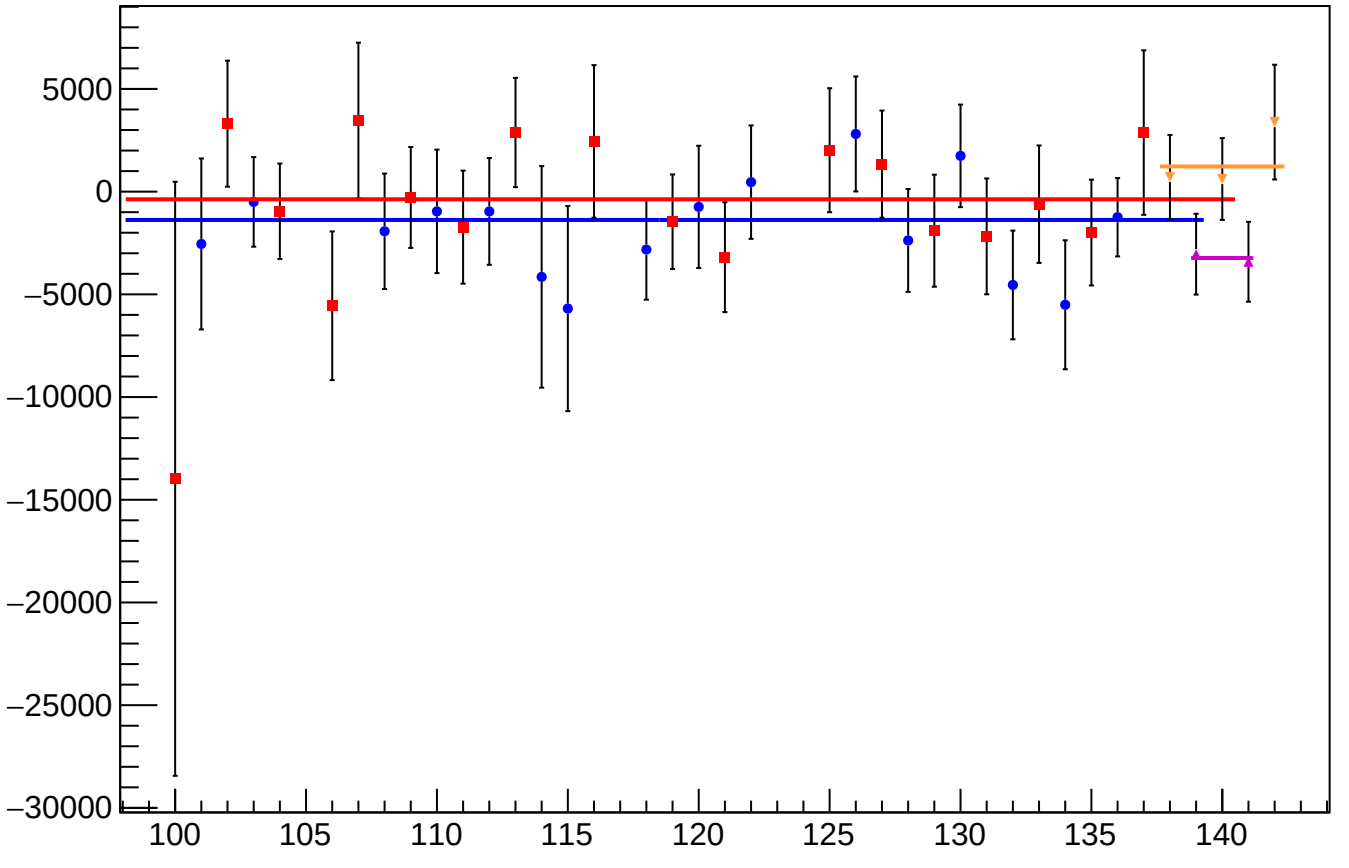
Left: 682.187+/-0.250 χ^2/NDF: 50974.6/4

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 943.495+/-0.242 χ^2/NDF:2572562.4/17

Out: 819.671+/-0.213 χ^2/NDF:3429912.6/20

All: 873.600+/-0.160 χ^2/NDF: 6150188.1/38



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.873+/-1270.680 χ^2/NDF:0.8/2

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -3230.873+/-1382.489 χ^2/NDF:0.0/1

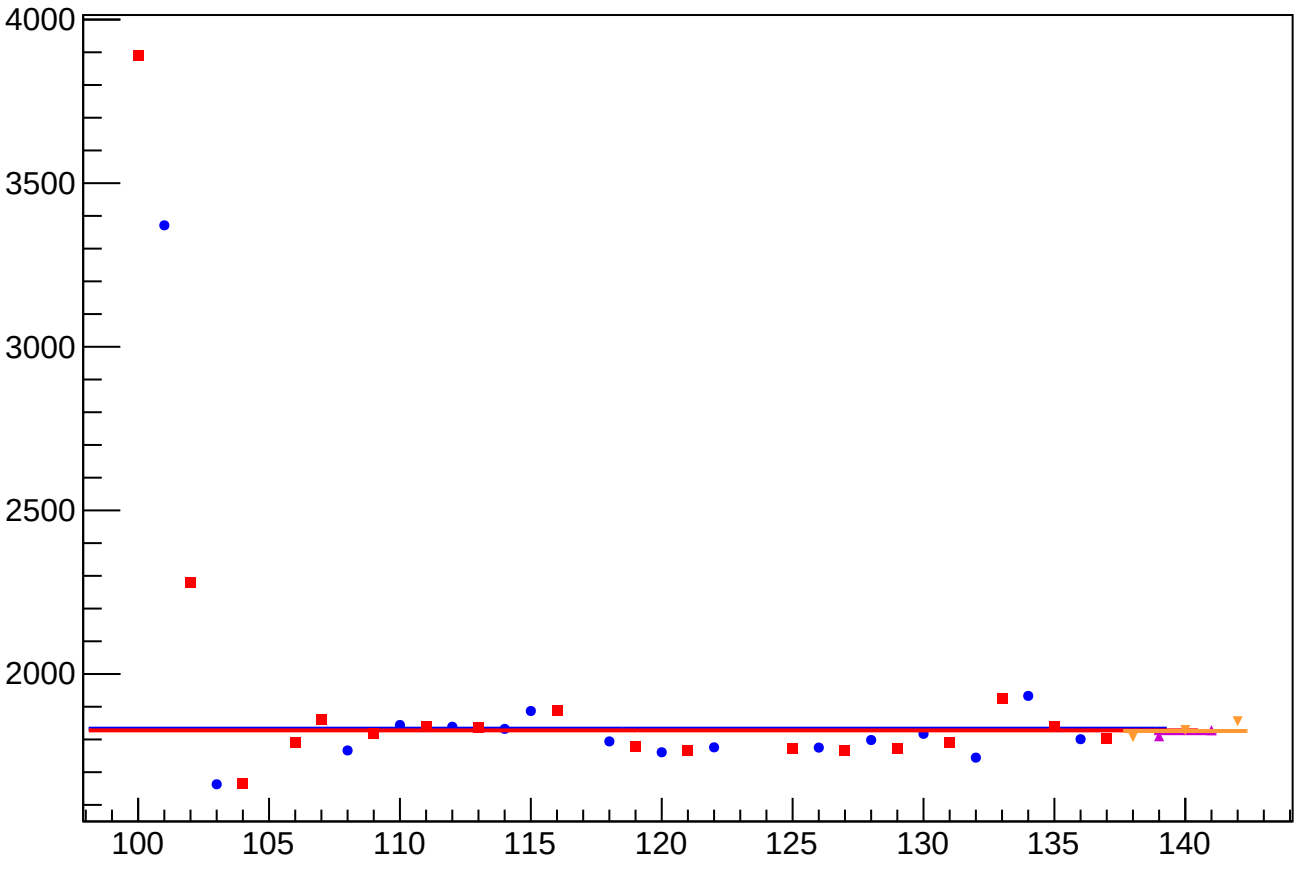
Left: -814.477+/-935.541 χ^2/NDF: 6.4/4

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1746.783+/-616.682 χ^2/NDF:10.8/17

Out: -12.874+/-602.563 χ^2/NDF:13.9/20

All: -859.753+/-430.981 χ^2/NDF: 28.7/38



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

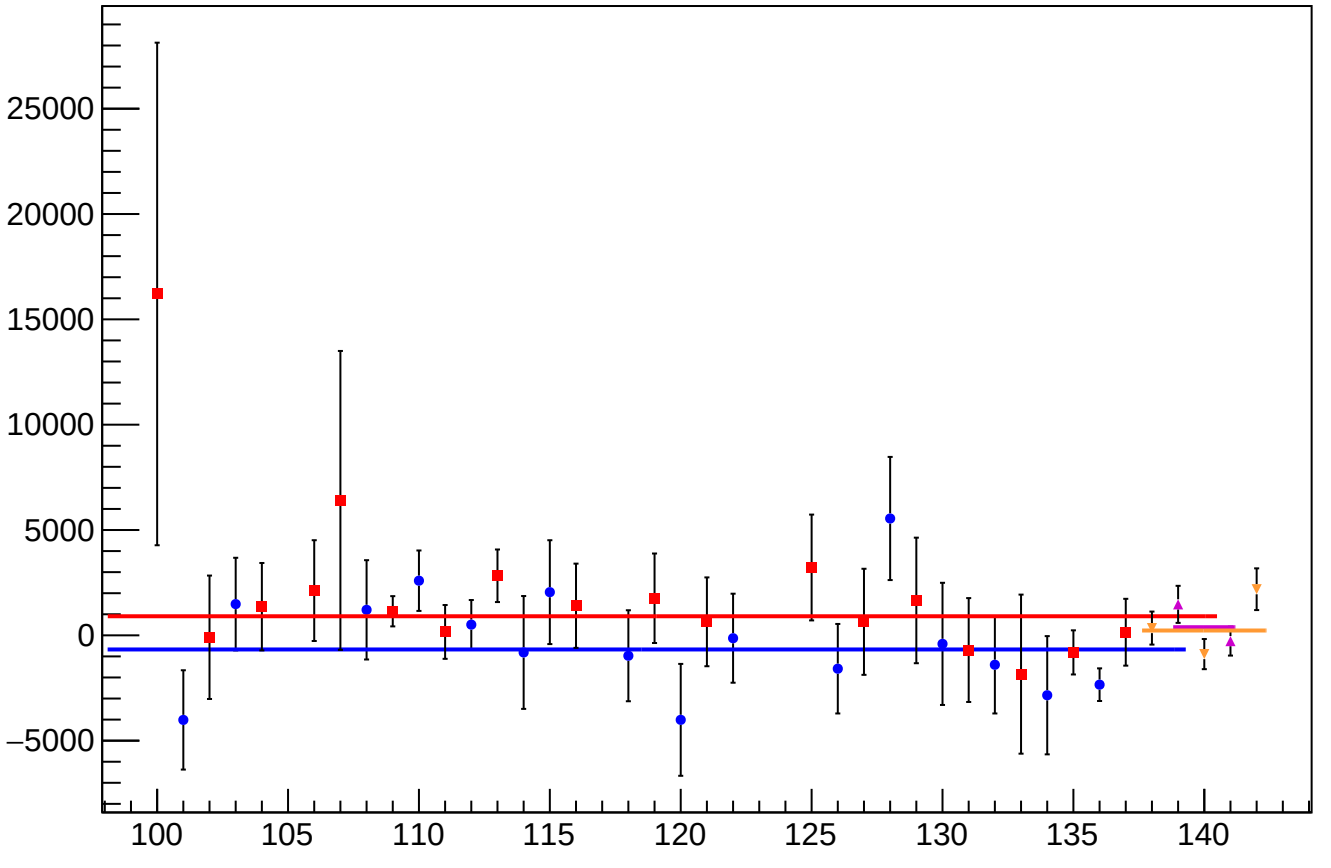
Left: 1822.805+/-0.662 χ^2/NDF: 509.3/4

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1830.207+/-0.436 χ^2/NDF:295688.6/17

Out: 1827.354+/-0.426 χ^2/NDF:102669.2/20

All: 1828.748+/-0.305 χ^2/NDF: 398379.7/38



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 229.543+/-466.288 χ^2/NDF:6.4/2

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 385.782+/-540.878 χ^2/NDF:2.4/1

Left: 296.155+/-353.167 χ^2/NDF: 8.9/4

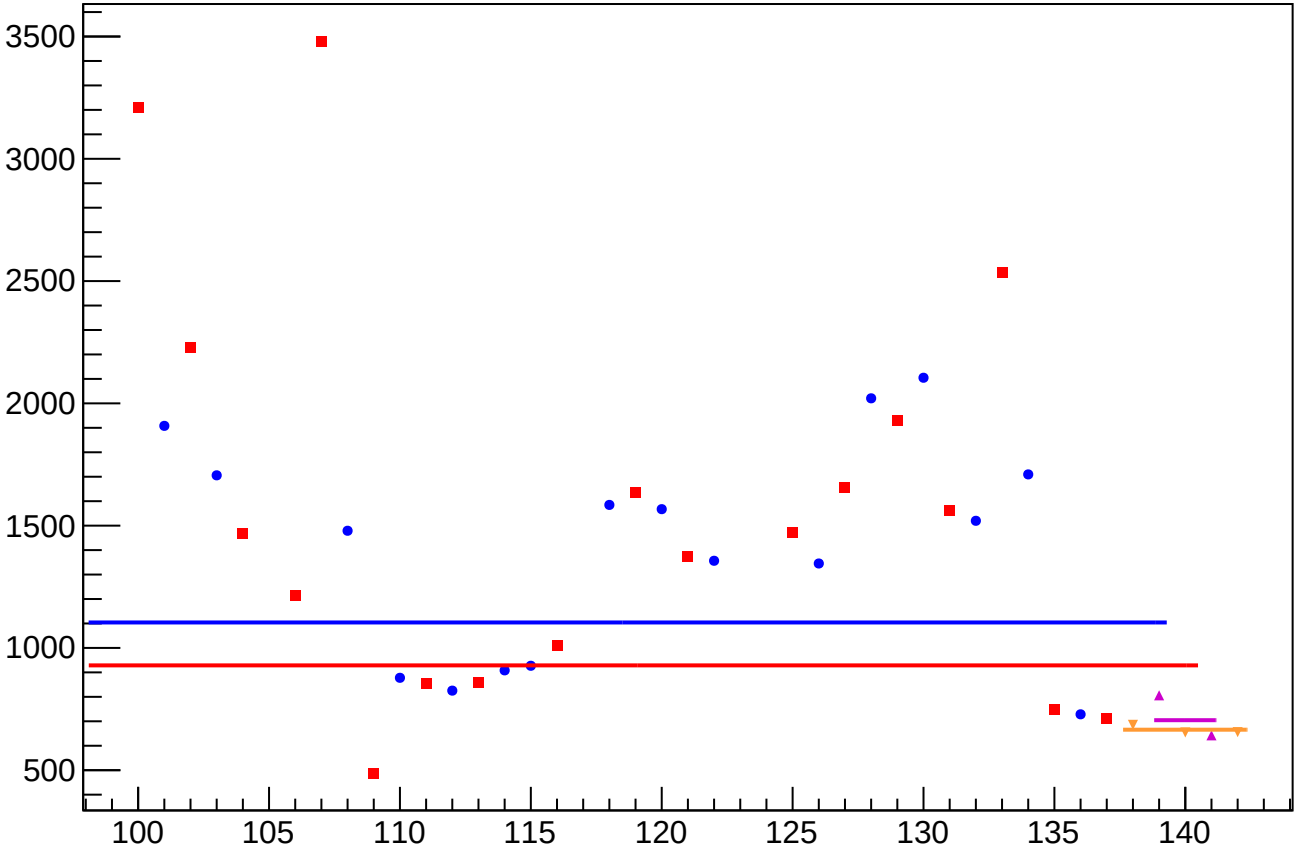
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -247.001+/-342.490 χ^2/NDF:27.5/17

Out: 623.462+/-301.312 χ^2/NDF:18.1/20

All: 243.679+/-226.225 χ^2/NDF: 49.3/38

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: 665.607+/-0.330 χ^2/NDF:1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 704.500+/-0.382 χ^2/NDF:43057.4/1

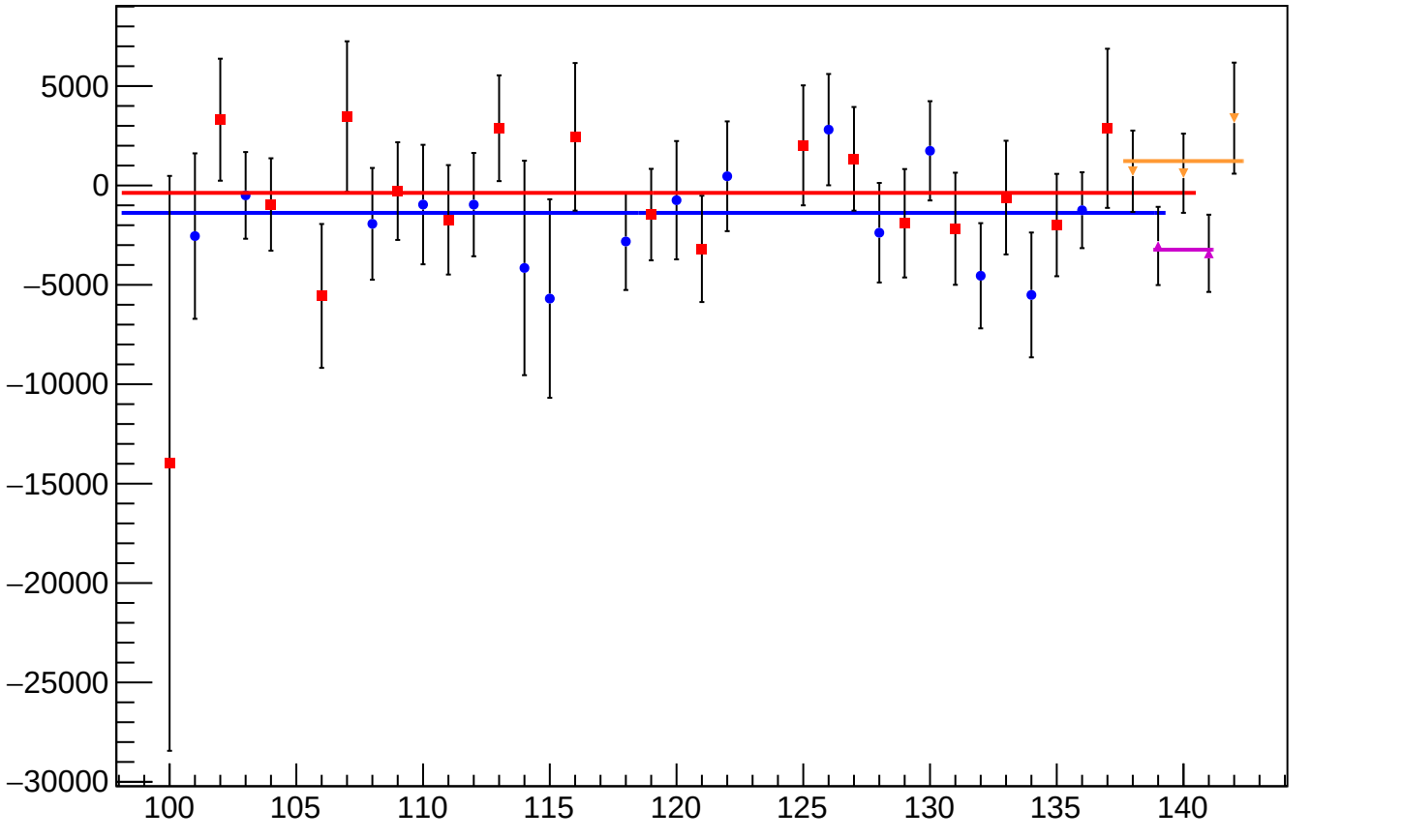
Left: 682.189+/-0.250 χ^2/NDF: 50980.2/4

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 943.879+/-0.242 χ^2/NDF:2591493.1/17

Out: 818.800+/-0.213 χ^2/NDF:3427012.6/20

All: 873.372+/-0.160 χ^2/NDF: 6168873.5/38



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1226.873+/-1270.680 χ^2/NDF:0.8/2

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -3230.873+/-1382.489 χ^2/NDF:0.0/1

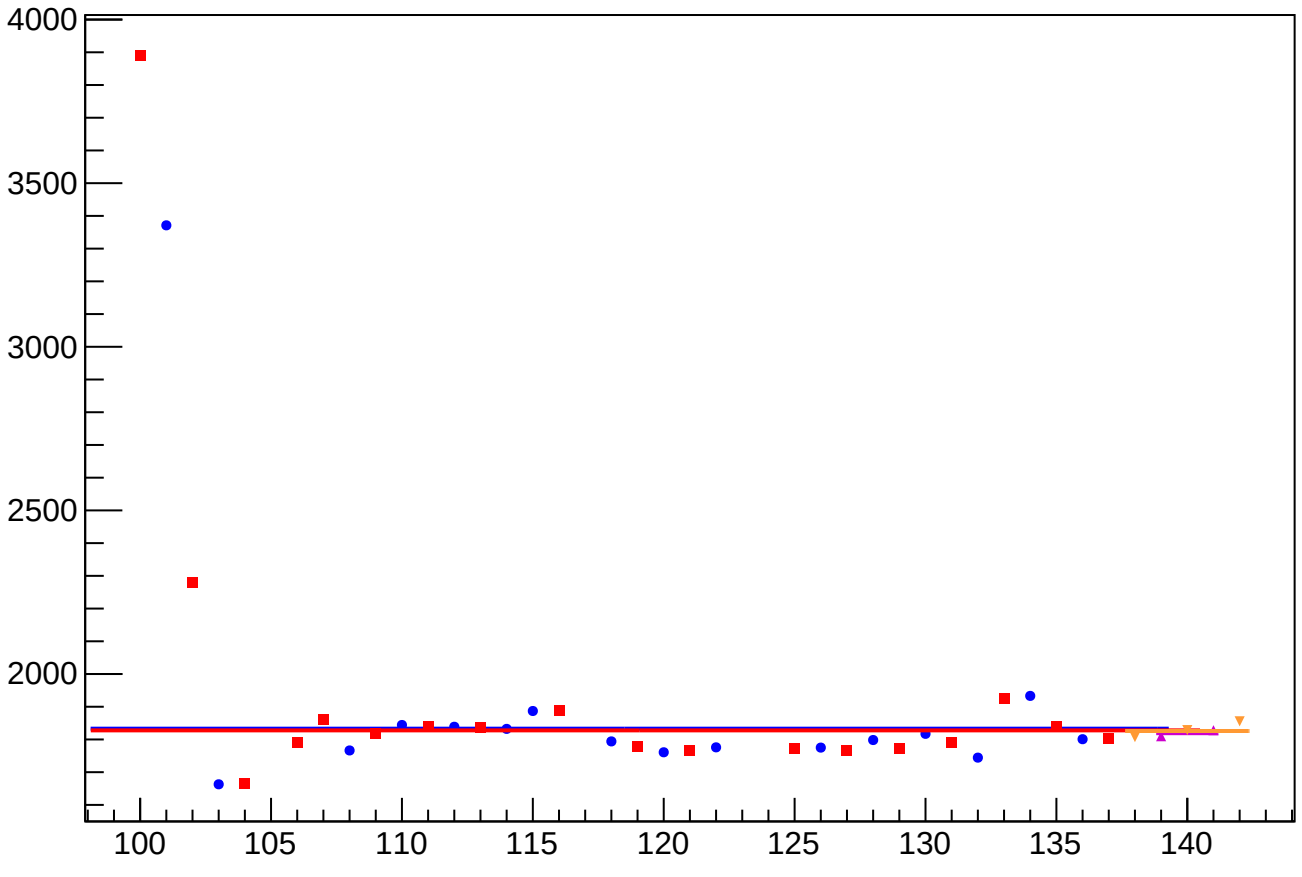
Left: -814.477+/-935.541 χ^2/NDF: 6.4/4

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1746.783+/-616.682 χ^2/NDF:10.8/17

Out: -12.874+/-602.563 χ^2/NDF:13.9/20

All: -859.753+/-430.981 χ^2/NDF: 28.7/38



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1825.868+/-0.899 χ^2/NDF:395.4/2

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1819.180+/-0.978 χ^2/NDF:88.5/1

Left: 1822.805+/-0.662 χ^2/NDF: 509.3/4

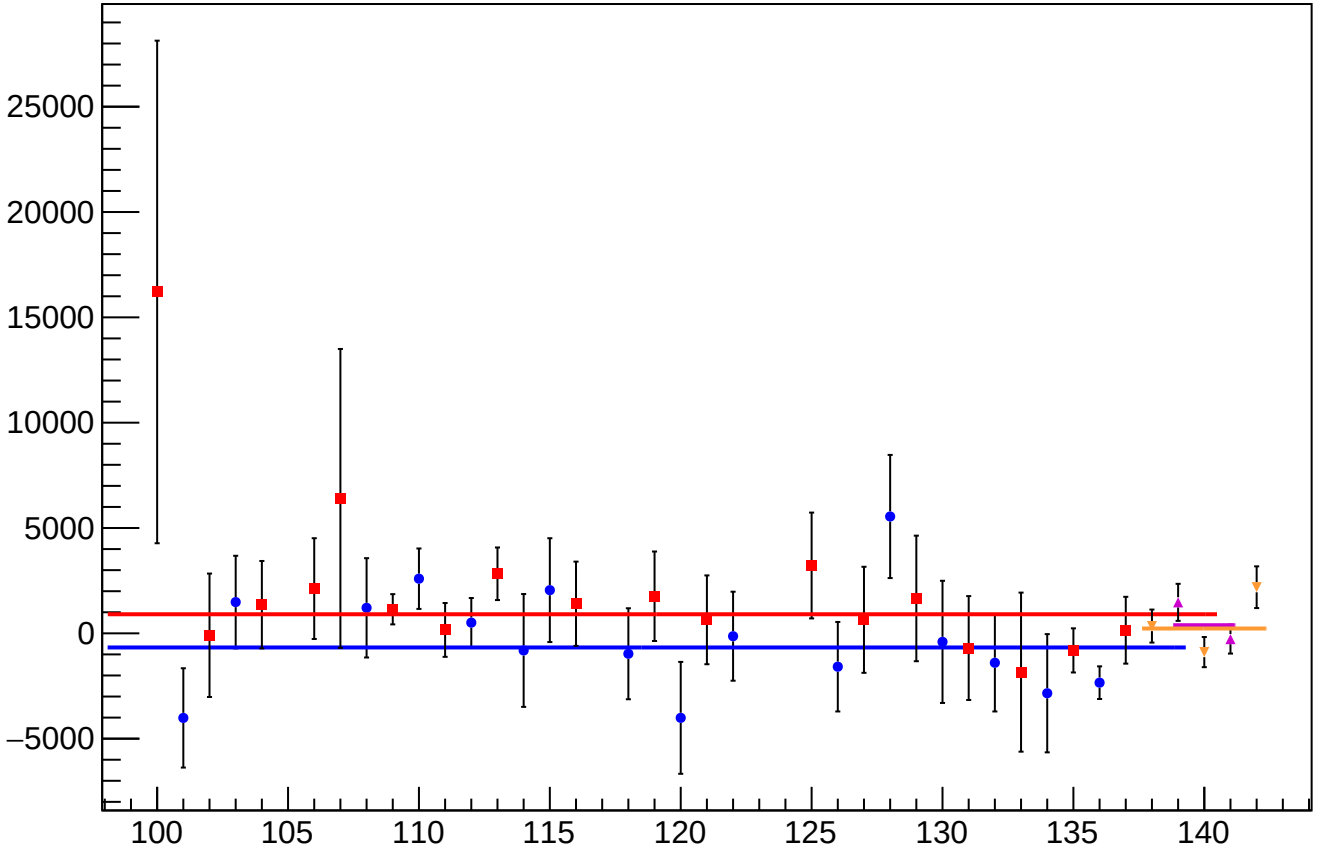
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1830.207+/-0.436 χ^2/NDF:295688.6/17

Out: 1827.354+/-0.426 χ^2/NDF:102669.2/20

All: 1828.748+/-0.305 χ^2/NDF: 398379.7/38

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: 229.543+/-466.288 χ^2/NDF:6.4/2

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 385.782+/-540.878 χ^2/NDF:2.4/1

Left: 296.155+/-353.167 χ^2/NDF: 8.9/4

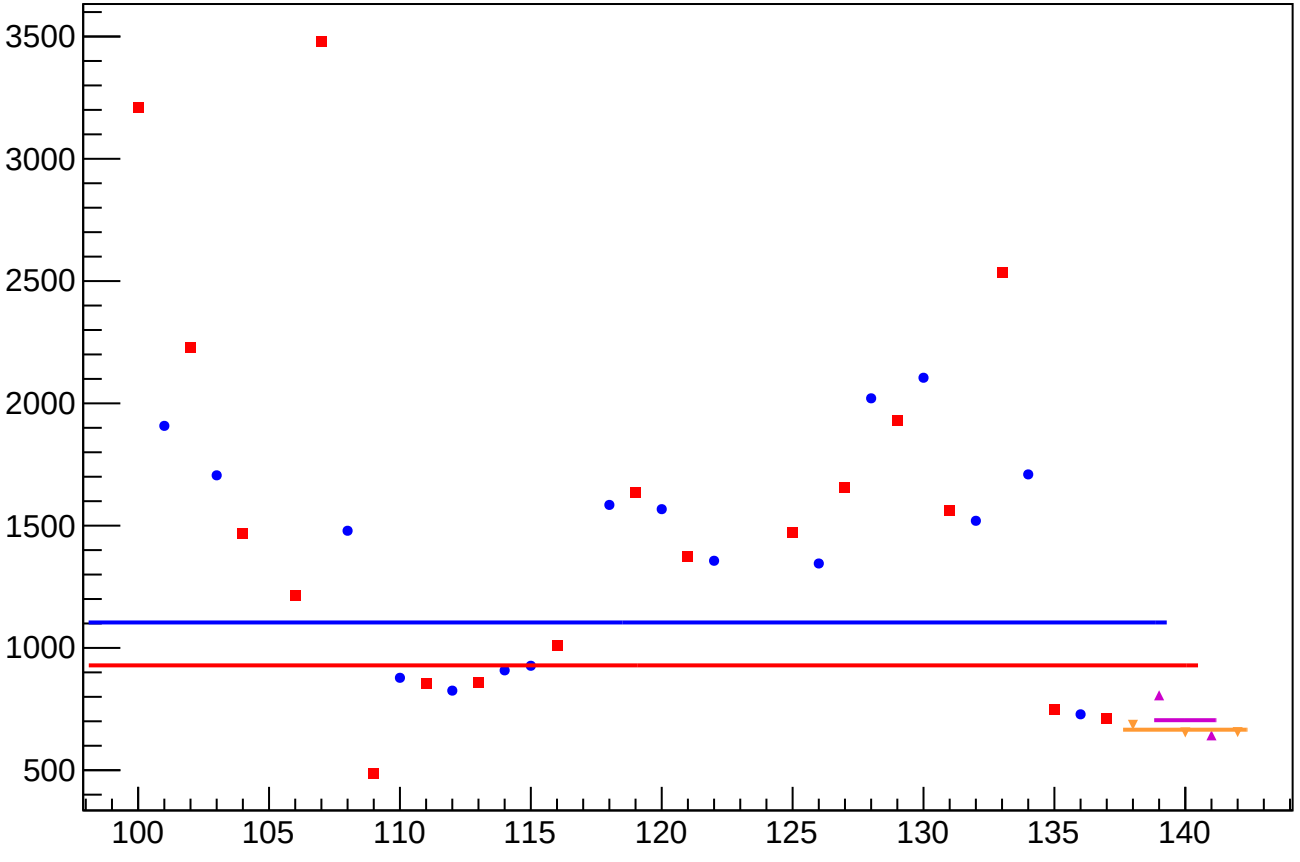
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -247.001+/-342.490 χ^2/NDF:27.5/17

Out: 623.462+/-301.312 χ^2/NDF:18.1/20

All: 243.679+/-226.225 χ^2/NDF: 49.3/38

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: 665.607+/-0.330 χ^2/NDF:1990.5/2

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 704.500+/-0.382 χ^2/NDF:43057.4/1

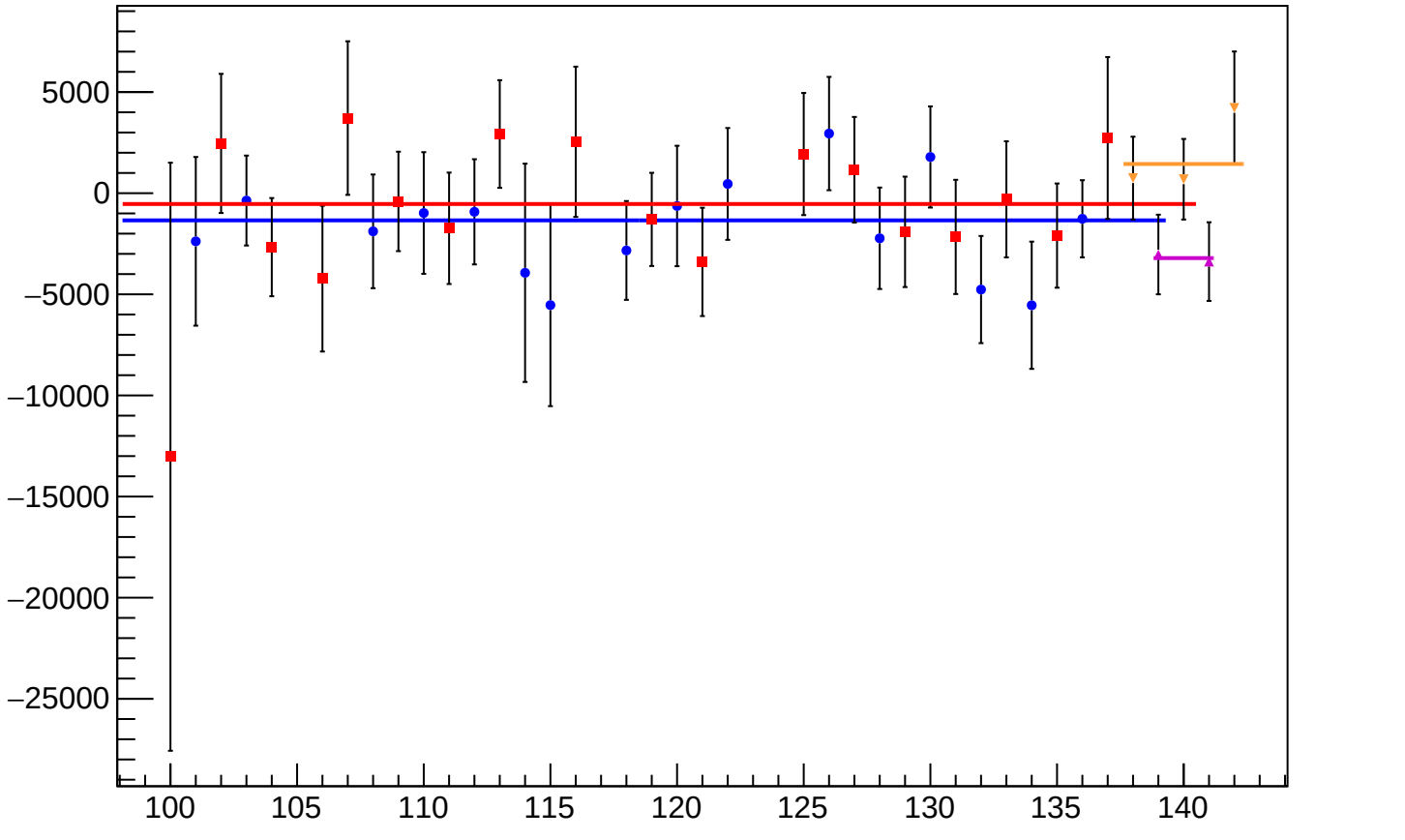
Left: 682.189+/-0.250 χ^2/NDF: 50980.2/4

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 943.879+/-0.242 χ^2/NDF:2591493.1/17

Out: 818.800+/-0.213 χ^2/NDF:3427012.6/20

All: 873.372+/-0.160 χ^2/NDF: 6168873.5/38



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1443.606+/-1271.200 χ^2/NDF:1.2/2

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -3208.997+/-1383.435 χ^2/NDF:0.0/1

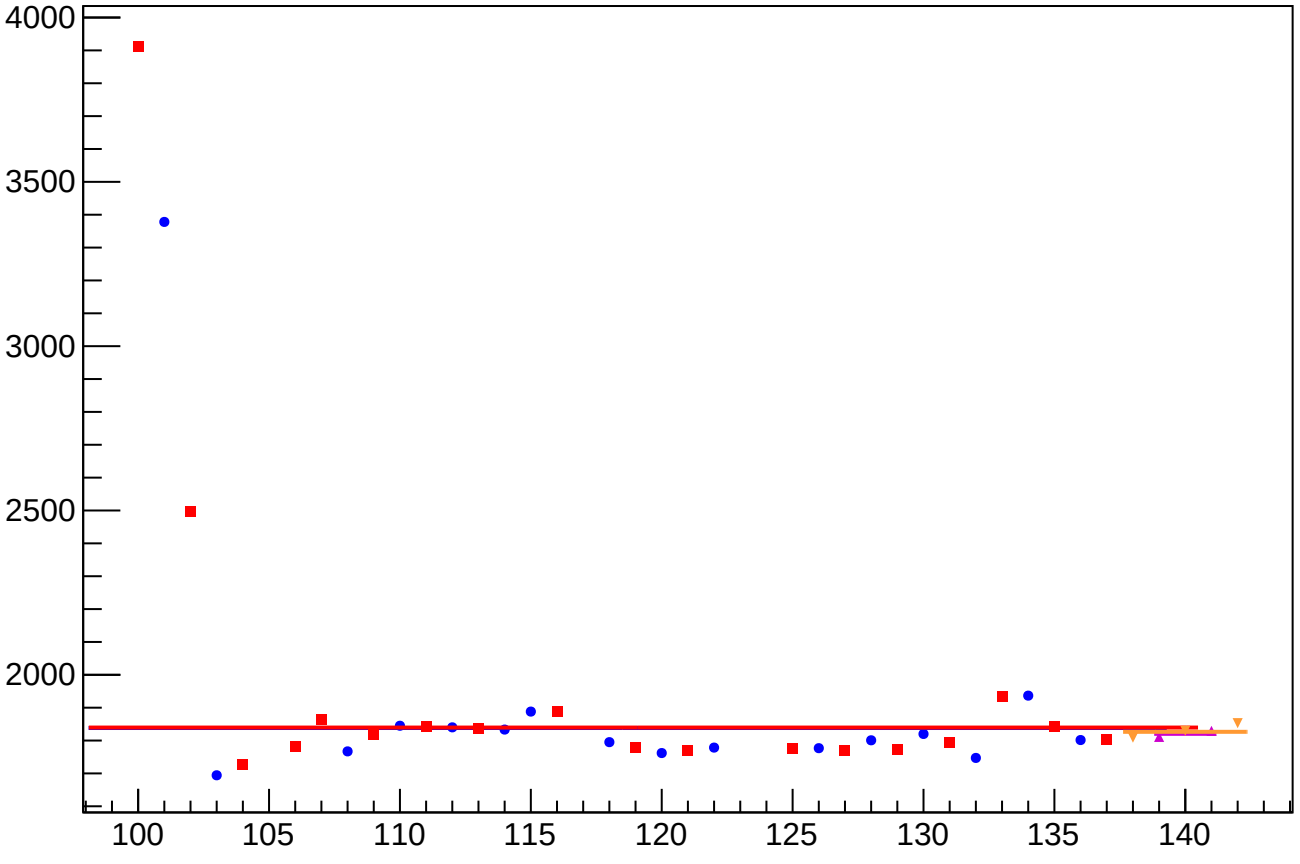
Left: -686.339+/-936.041 χ^2/NDF: 7.4/4

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1716.290+/-618.135 χ^2/NDF:11.1/17

Out: -83.117+/-607.083 χ^2/NDF:14.2/20

All: -884.974+/-433.127 χ^2/NDF: 28.9/38



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1826.553+/-0.899 χ^2/NDF:334.3/2

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1820.419+/-0.978 χ^2/NDF:87.7/1

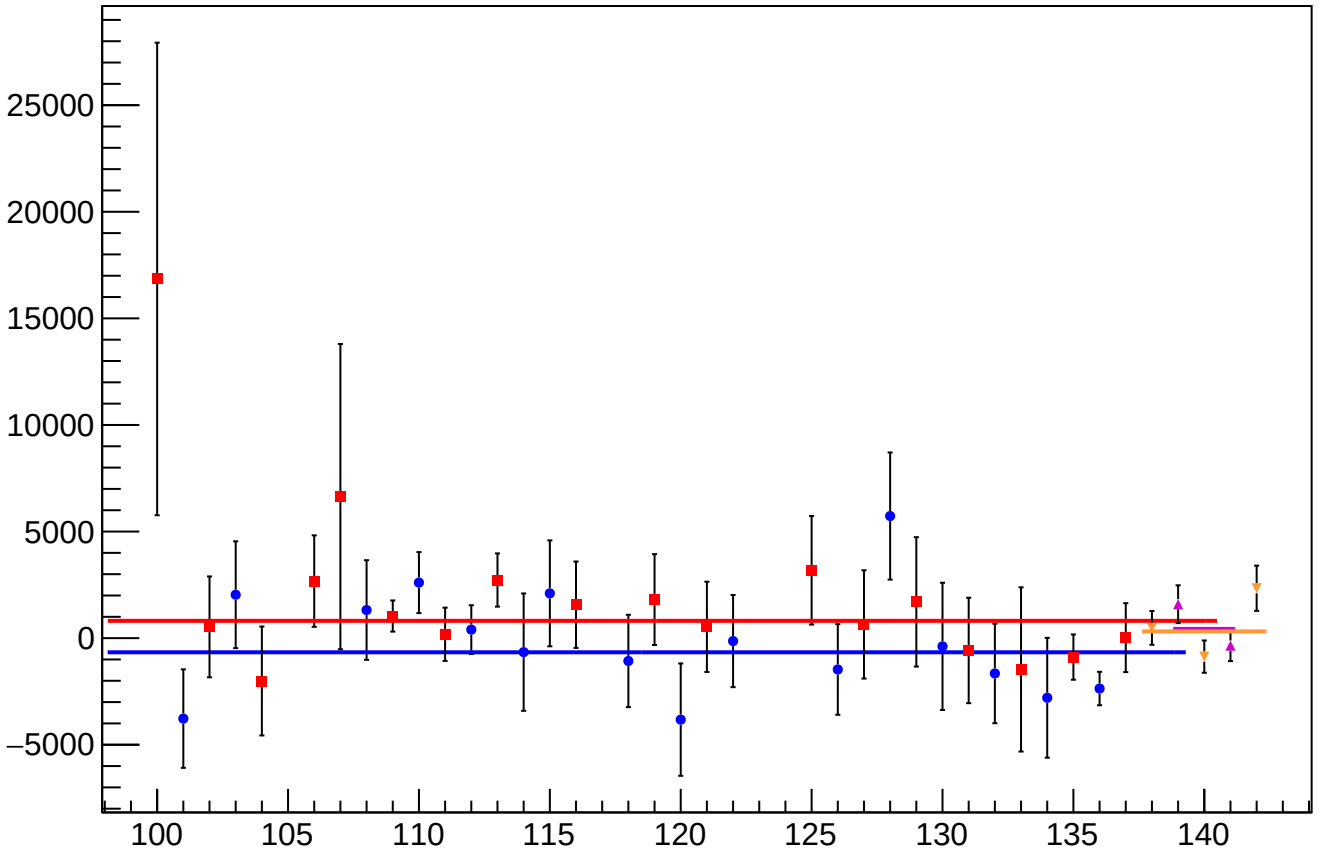
Left: 1823.745+/-0.662 χ^2/NDF: 443.4/4

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1834.617+/-0.437 χ^2/NDF:292335.0/17

Out: 1836.560+/-0.429 χ^2/NDF:128748.4/20

All: 1835.606+/-0.306 χ^2/NDF: 421093.5/38



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 315.994+/-486.843 χ^2/NDF:6.1/2

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 432.033+/-562.705 χ^2/NDF:2.9/1

Left: 365.670+/-368.172 χ^2/NDF: 9.0/4

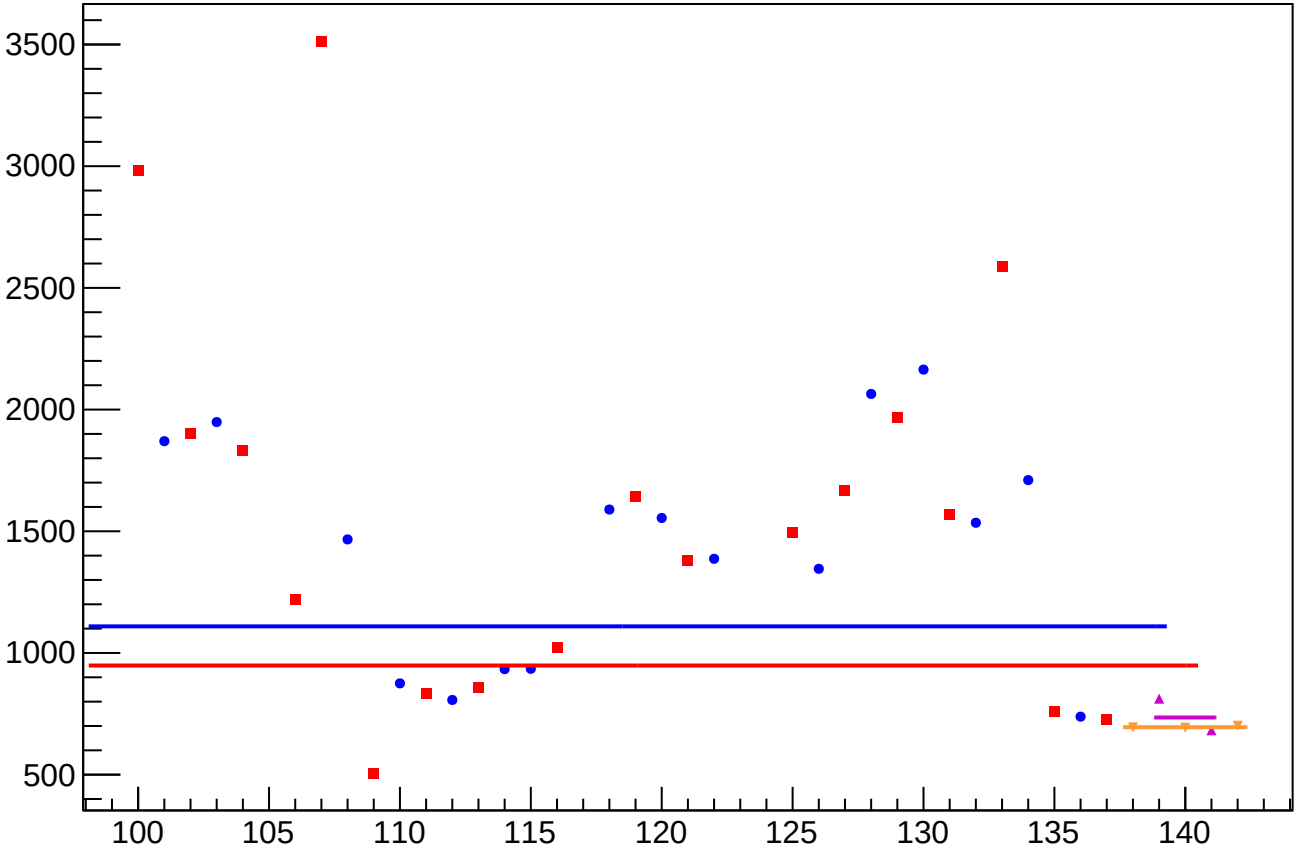
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -240.916+/-349.479 χ^2/NDF:28.0/17

Out: 613.901+/-307.758 χ^2/NDF:19.0/20

All: 240.538+/-230.967 χ^2/NDF: 50.3/38

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: 695.001+/-0.344 χ^2/NDF:79.9/2

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 734.858+/-0.398 χ^2/NDF:25592.2/1

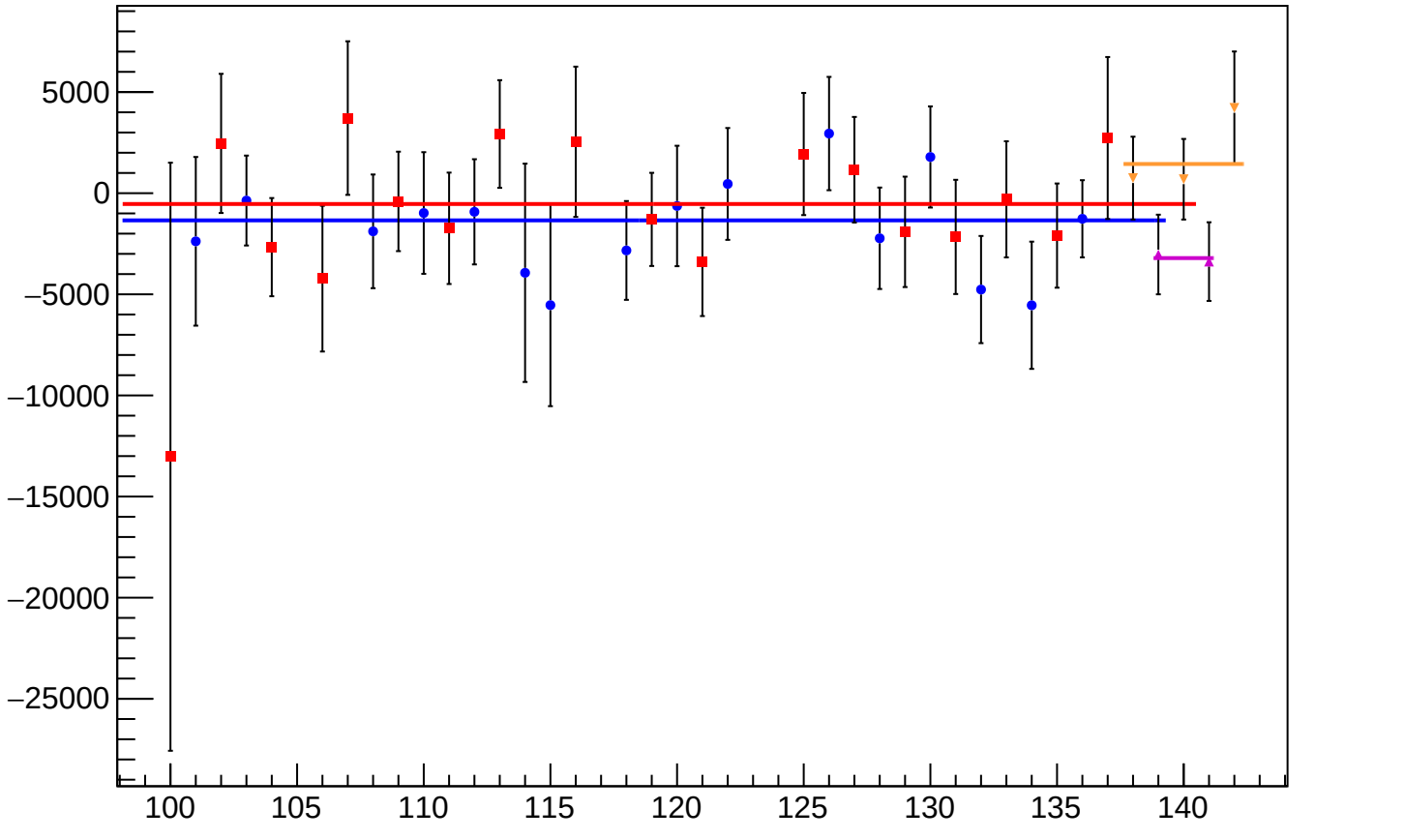
Left: 712.063+/-0.260 χ^2/NDF: 31410.6/4

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 964.905+/-0.247 χ^2/NDF:2543136.0/17

Out: 847.161+/-0.218 χ^2/NDF:3379154.8/20

All: 898.589+/-0.163 χ^2/NDF: 6050155.1/38



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1443.611+/-1271.200 χ^2/NDF:1.2/2

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -3208.983+/-1383.435 χ^2/NDF:0.0/1

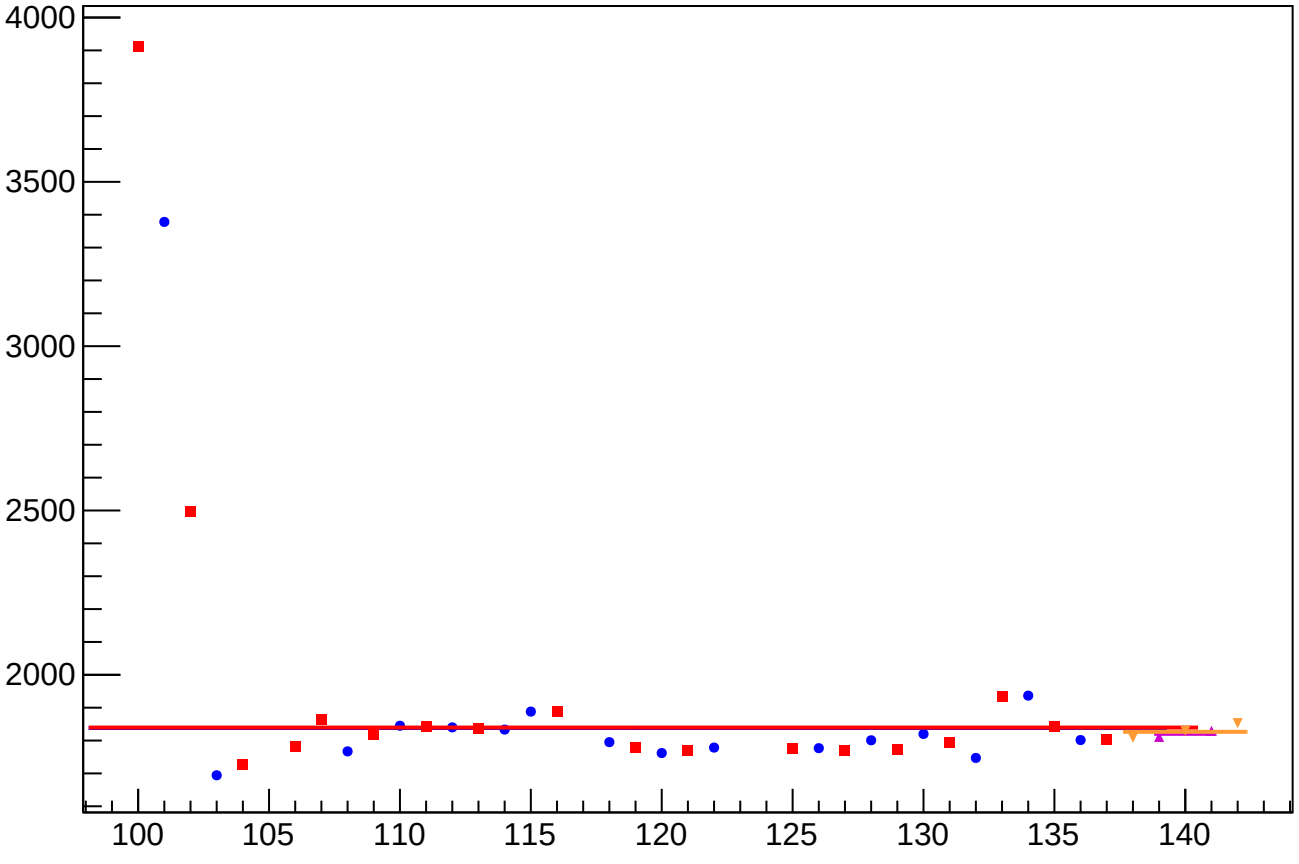
Left: -686.330+/-936.041 χ^2/NDF: 7.4/4

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1716.290+/-618.135 χ^2/NDF:11.1/17

Out: -83.119+/-607.083 χ^2/NDF:14.2/20

All: -884.974+/-433.127 χ^2/NDF: 28.9/38



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1826.553+/-0.899 χ^2/NDF:334.3/2

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1820.419+/-0.978 χ^2/NDF:87.7/1

Left: 1823.745+/-0.662 χ^2/NDF: 443.4/4

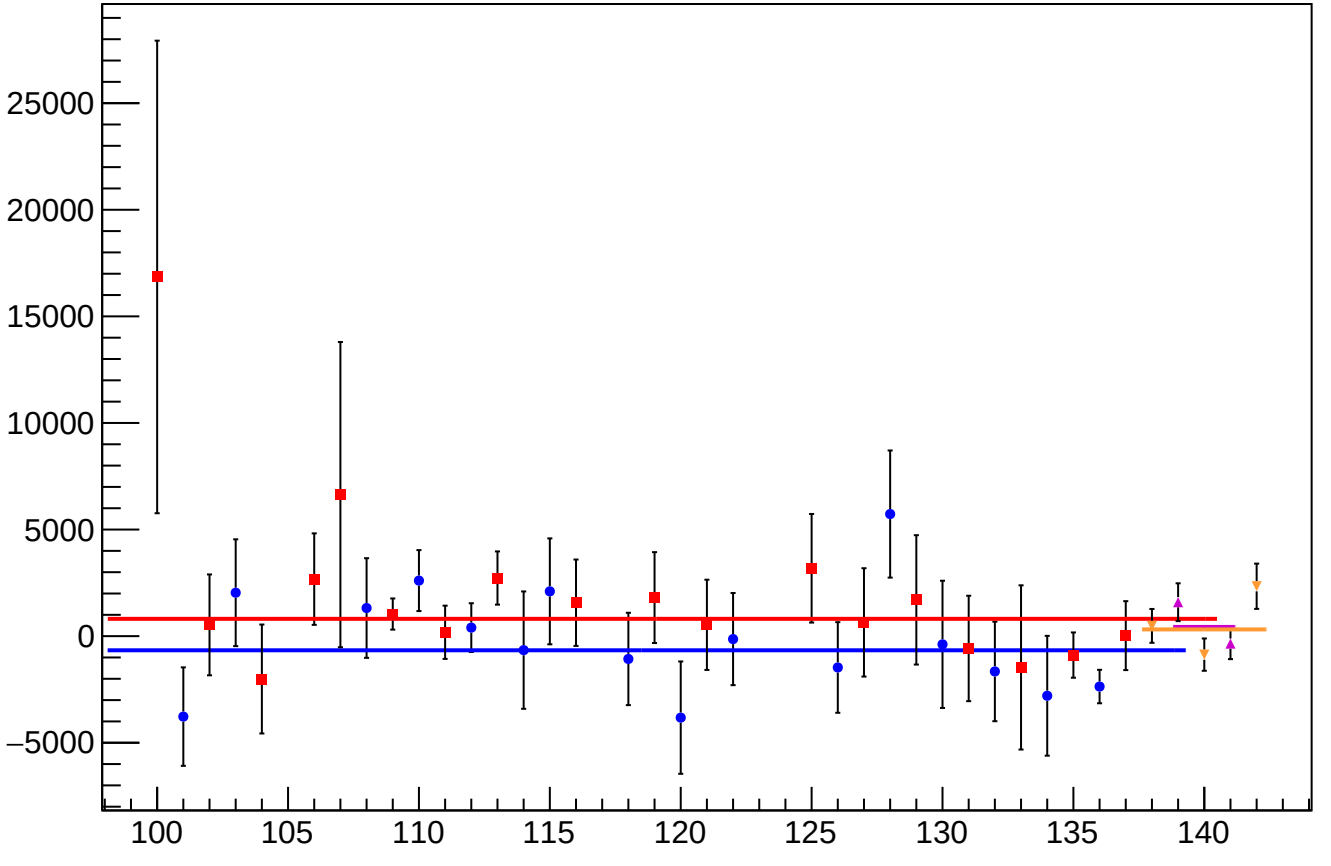
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1834.617+/-0.437 χ^2/NDF:292335.0/17

Out: 1836.561+/-0.429 χ^2/NDF:128748.5/20

All: 1835.606+/-0.306 χ^2/NDF: 421093.5/38

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: 315.999+/-486.848 χ^2/NDF:6.1/2

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 432.026+/-562.711 χ^2/NDF:2.9/1

Left: 365.669+/-368.176 χ^2/NDF: 9.0/4

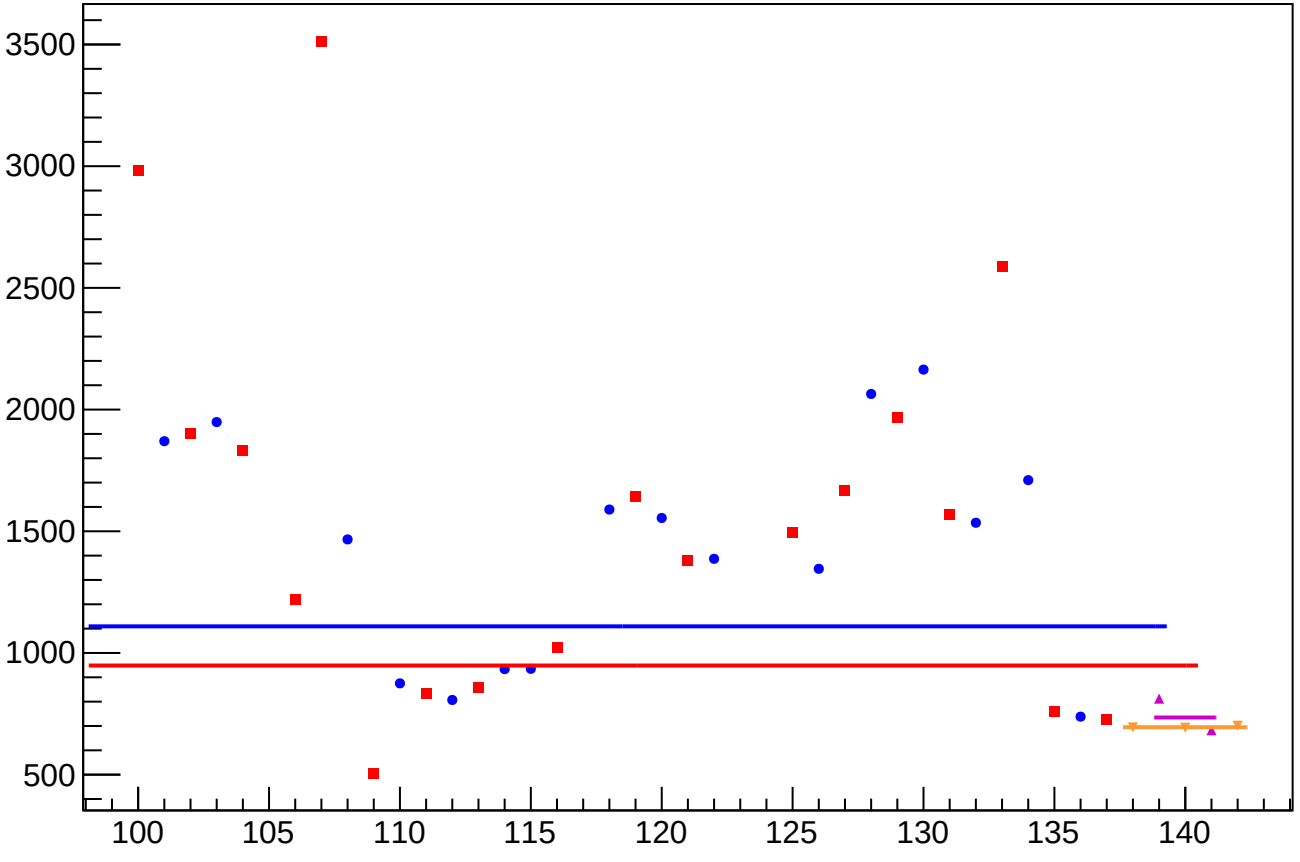
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -240.915+/-349.481 χ^2/NDF:28.0/17

Out: 613.909+/-307.760 χ^2/NDF:19.0/20

All: 240.542+/-230.968 χ^2/NDF: 50.3/38

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 695.008+/-0.344 χ^2/NDF:79.8/2

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 734.865+/-0.398 χ^2/NDF:25597.6/1

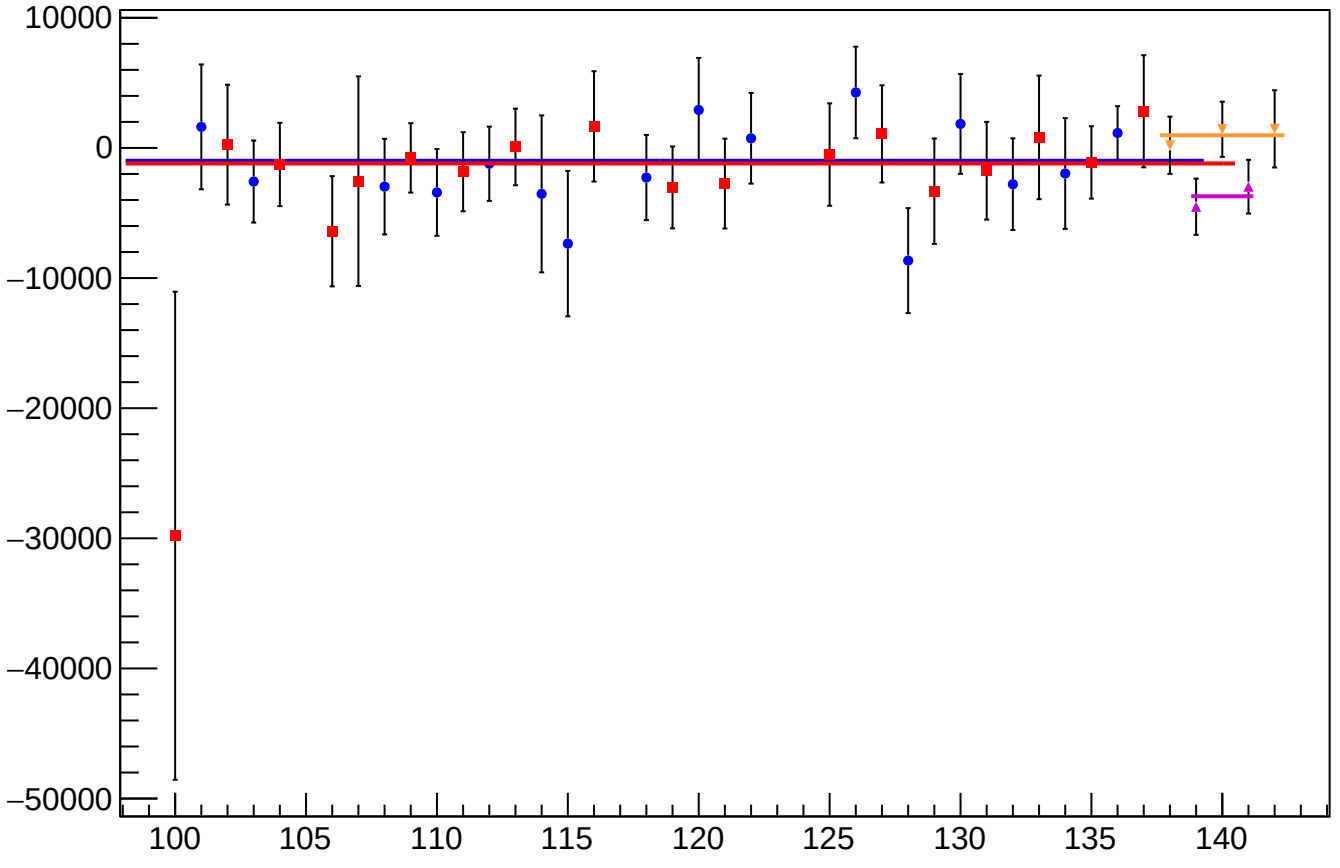
Left: 712.071+/-0.260 χ^2/NDF: 31415.8/4

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 964.911+/-0.247 χ^2/NDF:2543082.0/17

Out: 847.166+/-0.218 χ^2/NDF:3379111.8/20

All: 898.594+/-0.163 χ^2/NDF: 6050058.6/38



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 974.420+/-1357.636 χ^2/NDF:0.2/2

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -3714.564+/-1492.087 χ^2/NDF:0.3/1

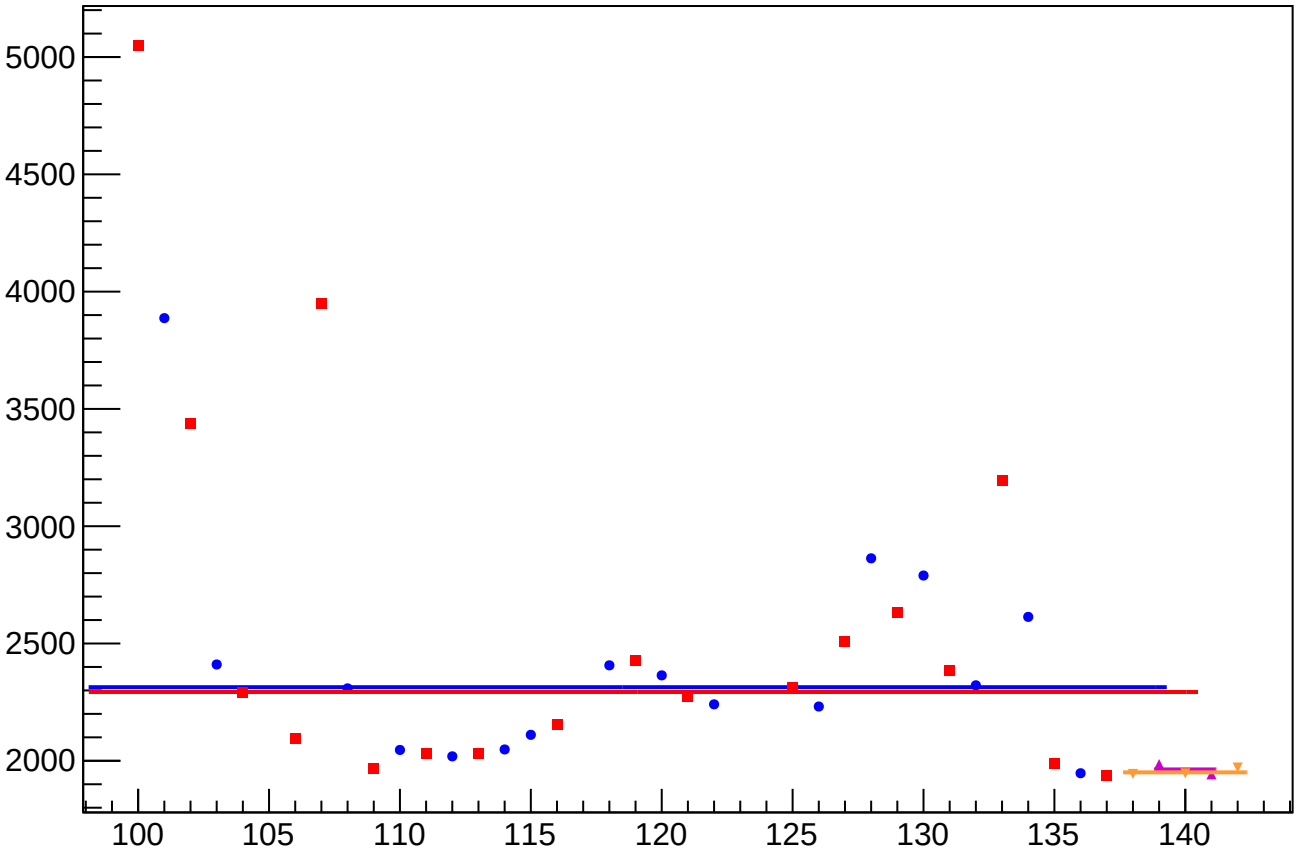
Left: -1149.335+/-1004.170 χ^2/NDF: 5.9/4

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1683.989+/-754.043 χ^2/NDF:14.7/17

Out: -561.018+/-732.761 χ^2/NDF:9.0/20

All: -1106.433+/-525.503 χ^2/NDF: 24.8/38



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1950.736+/-0.960 χ^2/NDF:121.7/2

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.119+/-1.055 χ^2/NDF:428.5/1

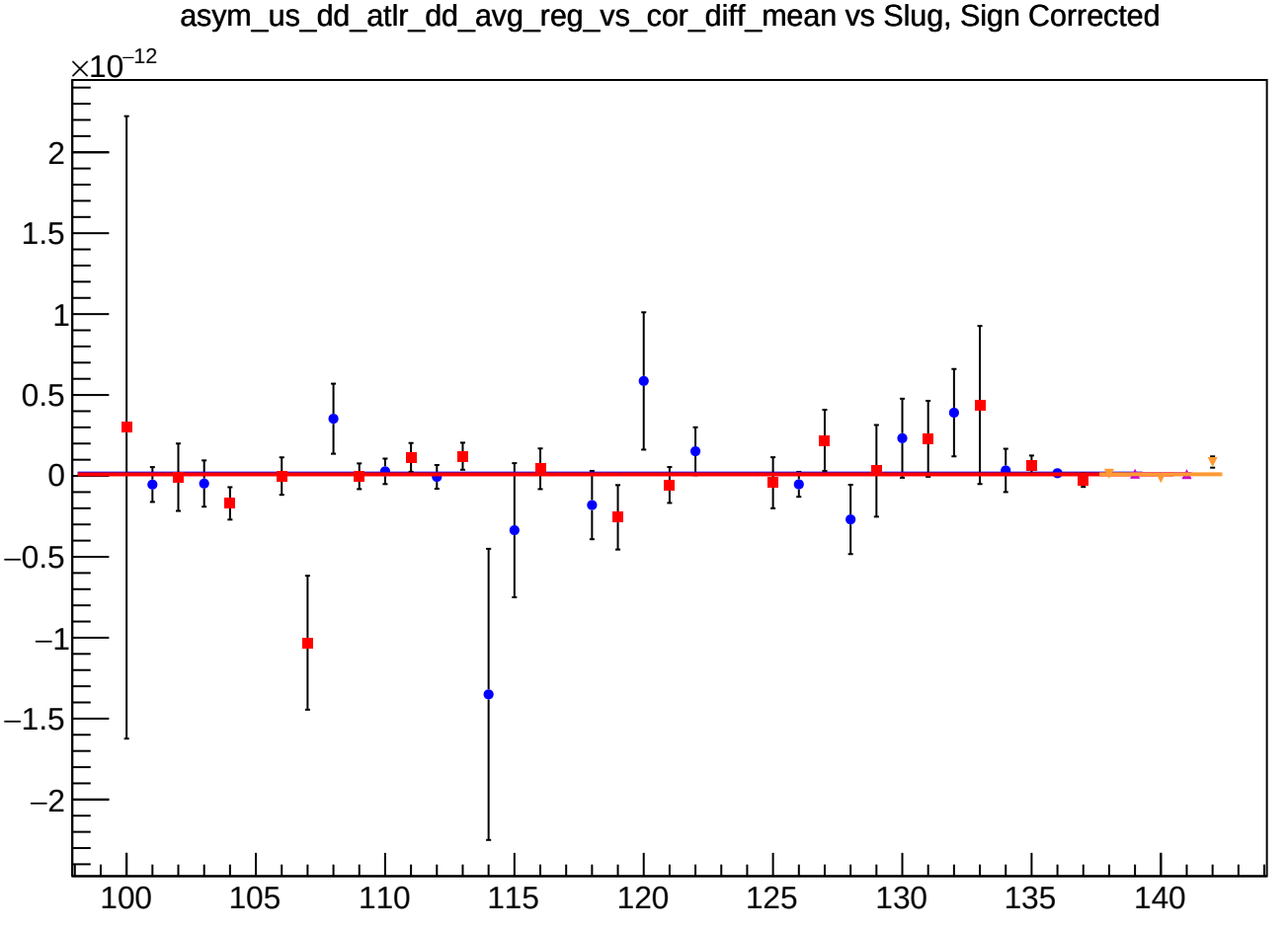
Left: 1956.344+/-0.710 χ^2/NDF: 625.6/4

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2224.196+/-0.533 χ^2/NDF:485418.3/17

Out: 2193.489+/-0.518 χ^2/NDF:543551.2/20

All: 2208.403+/-0.372 χ^2/NDF: 1030675.3/38



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/2

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

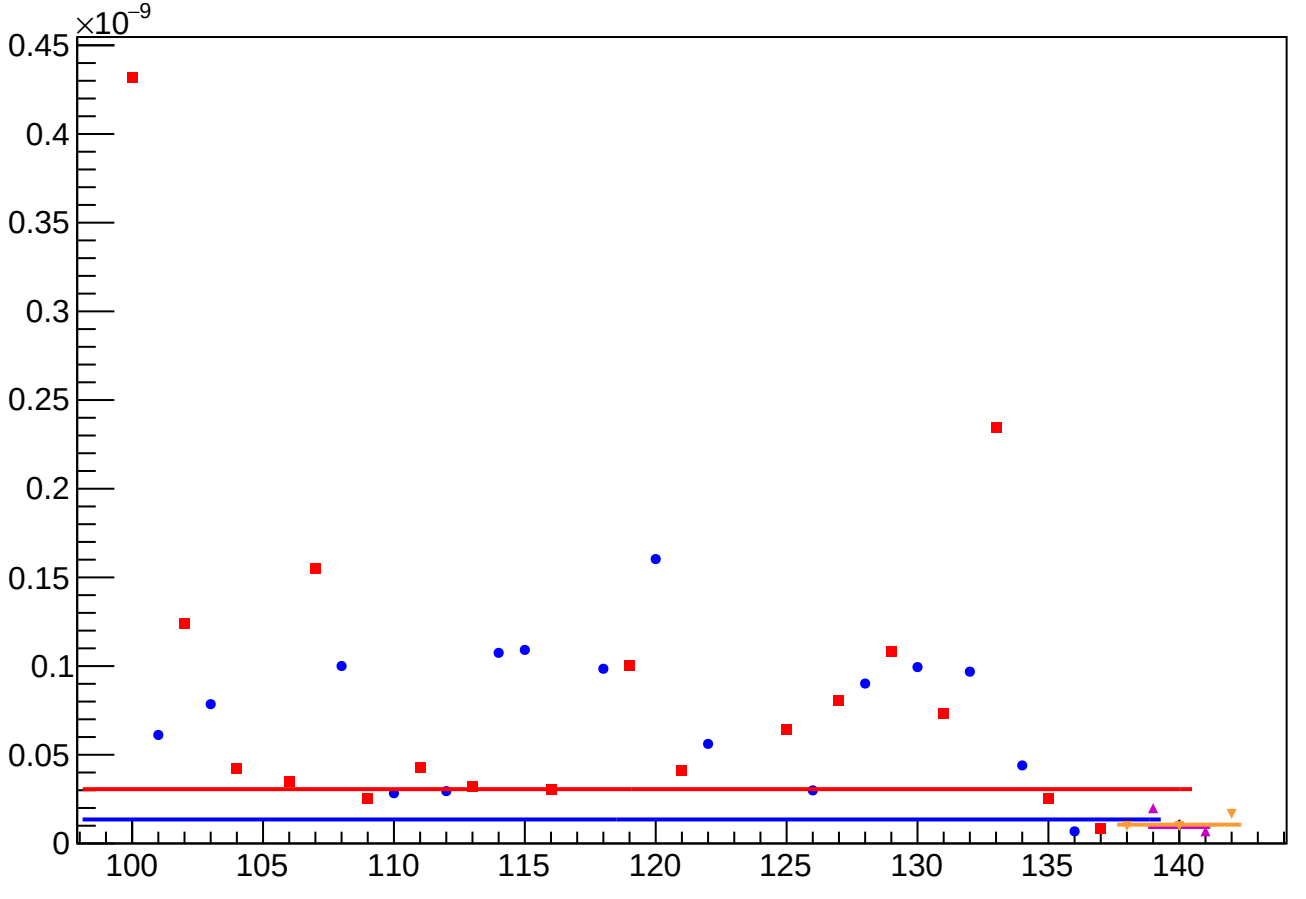
Left: 0.000+/-0.000 χ^2/NDF: 6.4/4

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:25.9/20

All: 0.000+/-0.000 χ^2/NDF: 41.0/38



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:68592.3/2

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: 384460.4/4

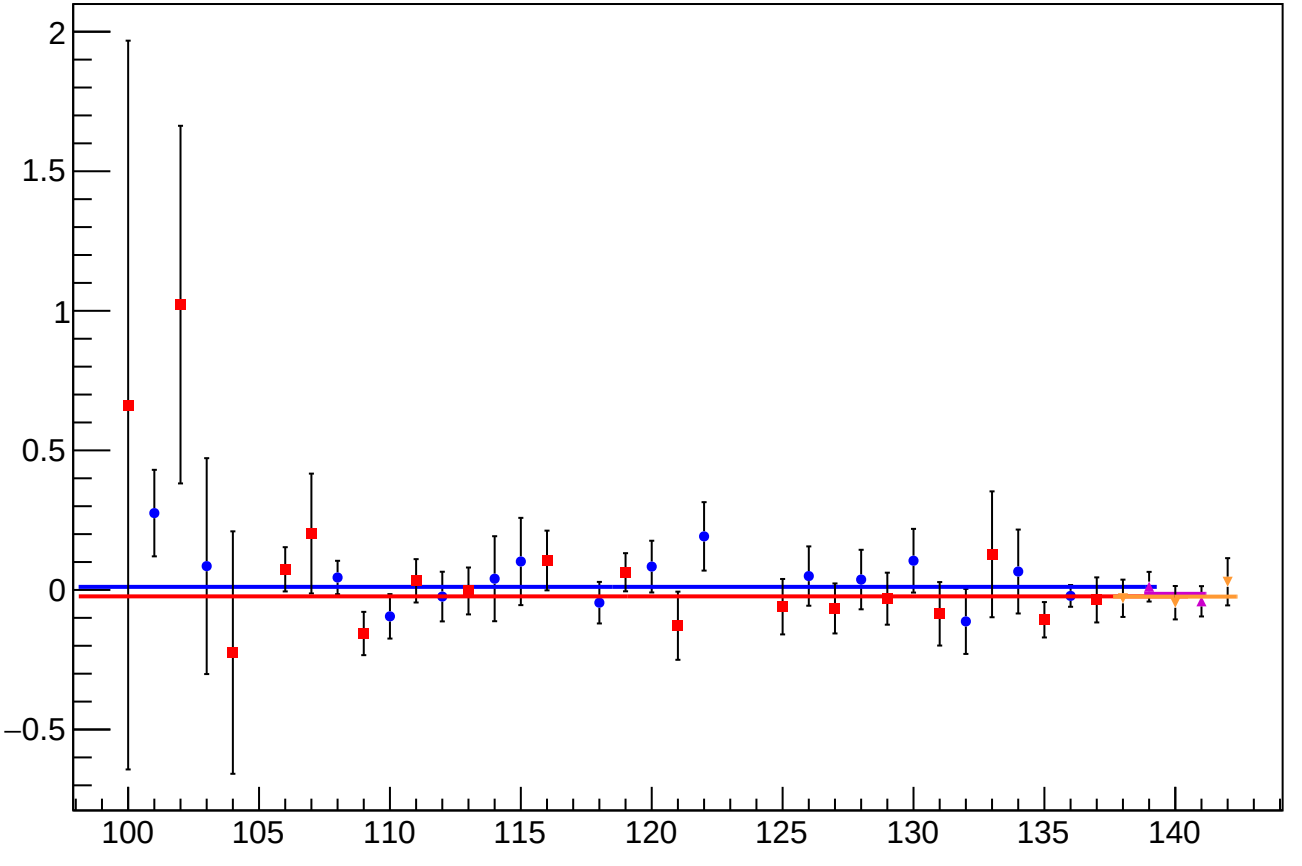
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3819635.6/17

Out: 0.000+/-0.000 χ^2/NDF:3519581.8/20

All: 0.000+/-0.000 χ^2/NDF: 7448946.7/38

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: -0.024+/-0.039 χ^2/NDF:0.5/2

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: -0.019+/-0.027 χ^2/NDF: 1.0/4

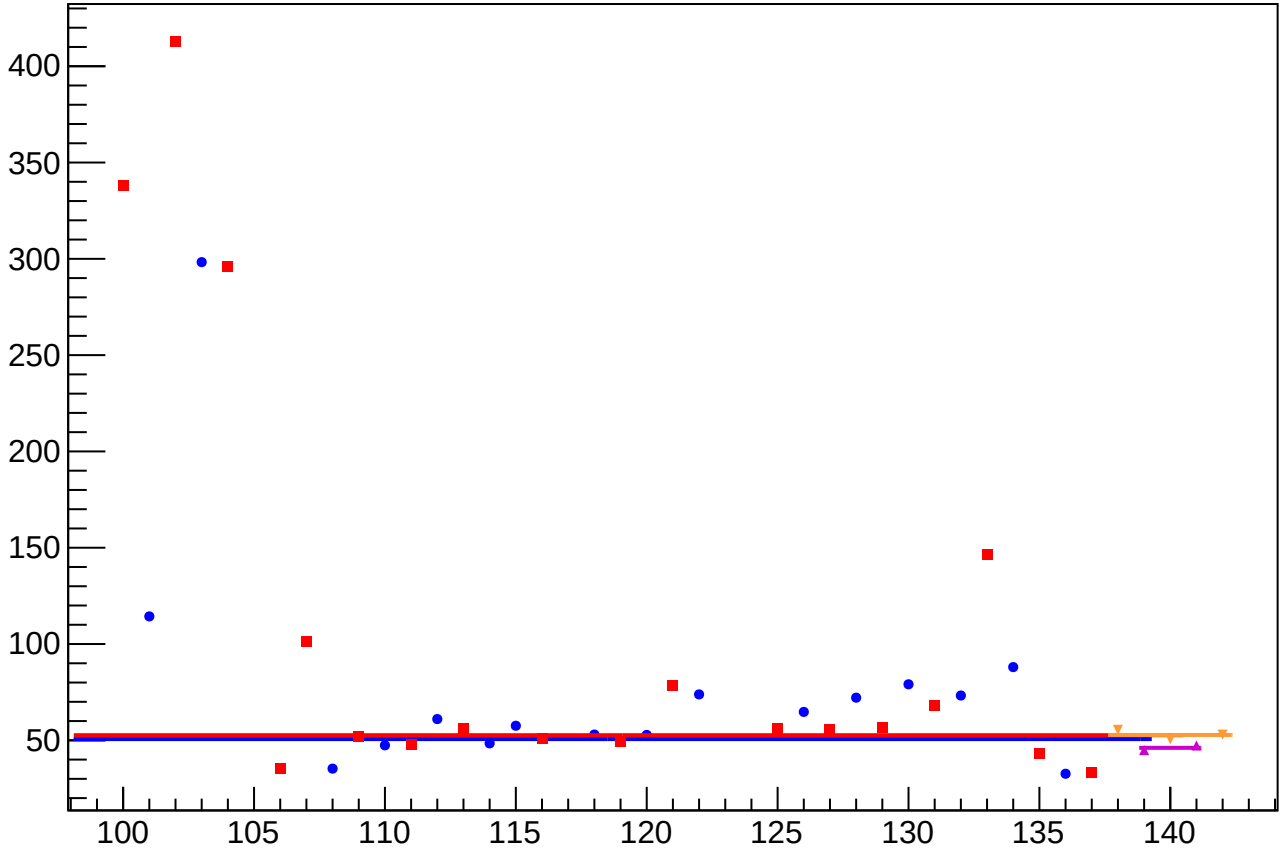
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.014 χ^2/NDF: 30.1/38

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: 52.788+/-0.028 χ^2/NDF:5841.3/2

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: 49.317+/-0.019 χ^2/NDF: 37644.0/4

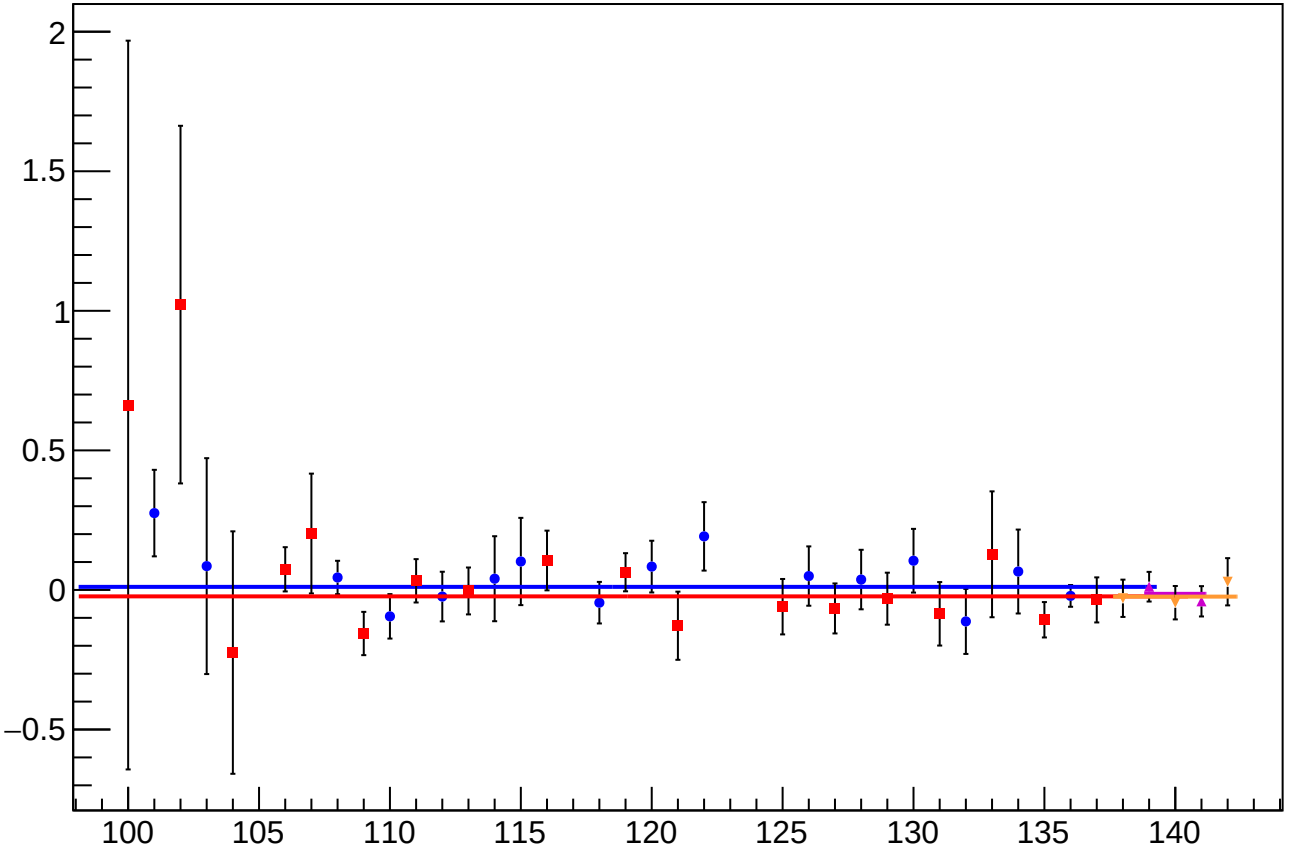
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.513+/-0.013 χ^2/NDF:2289920.5/17

Out: 52.697+/-0.014 χ^2/NDF:2217793.7/20

All: 51.024+/-0.010 χ^2/NDF: 4534505.1/38

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: -0.024+/-0.039 χ^2/NDF:0.5/2

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: -0.019+/-0.027 χ^2/NDF: 1.0/4

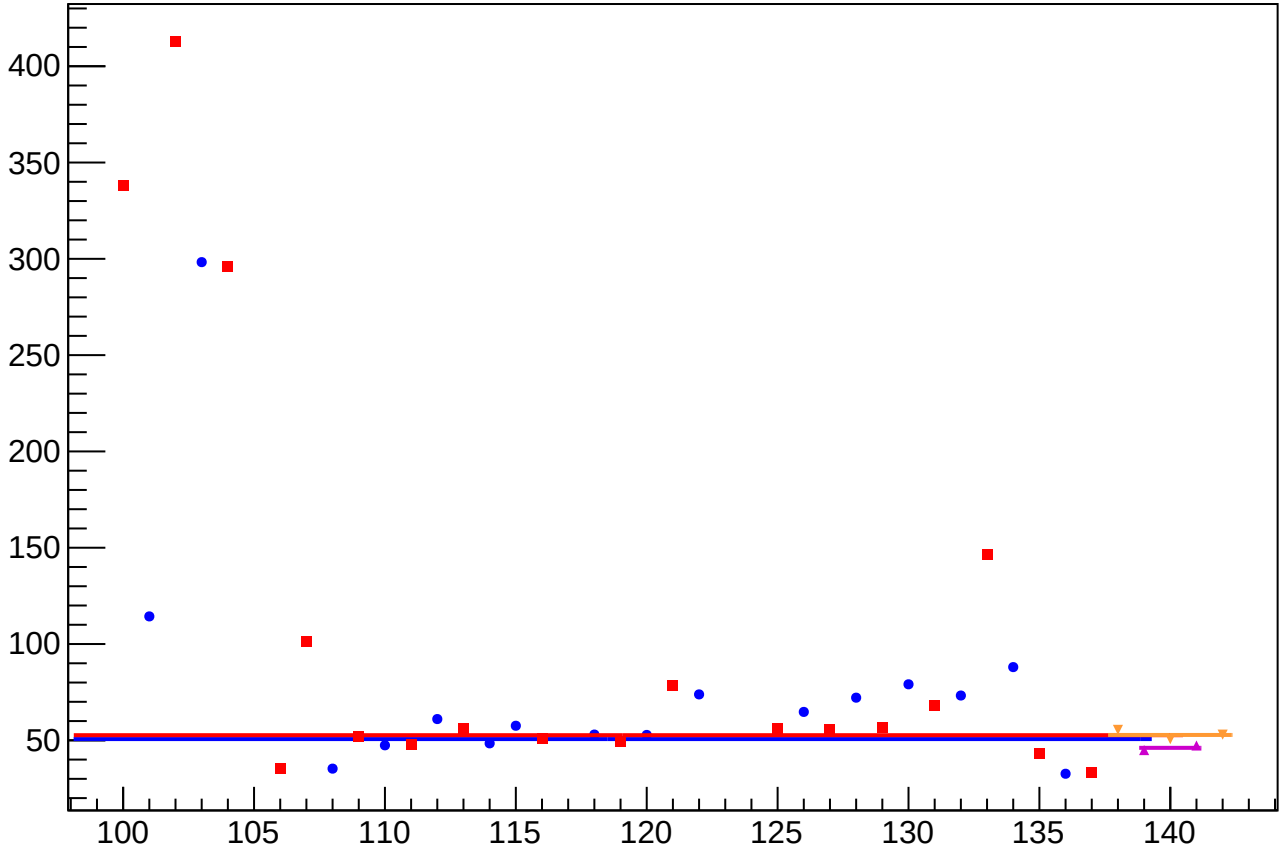
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.014 χ^2/NDF: 30.1/38

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: 52.788+/-0.028 χ^2/NDF:5841.3/2

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.099+/-0.027 χ^2/NDF:1954.0/1

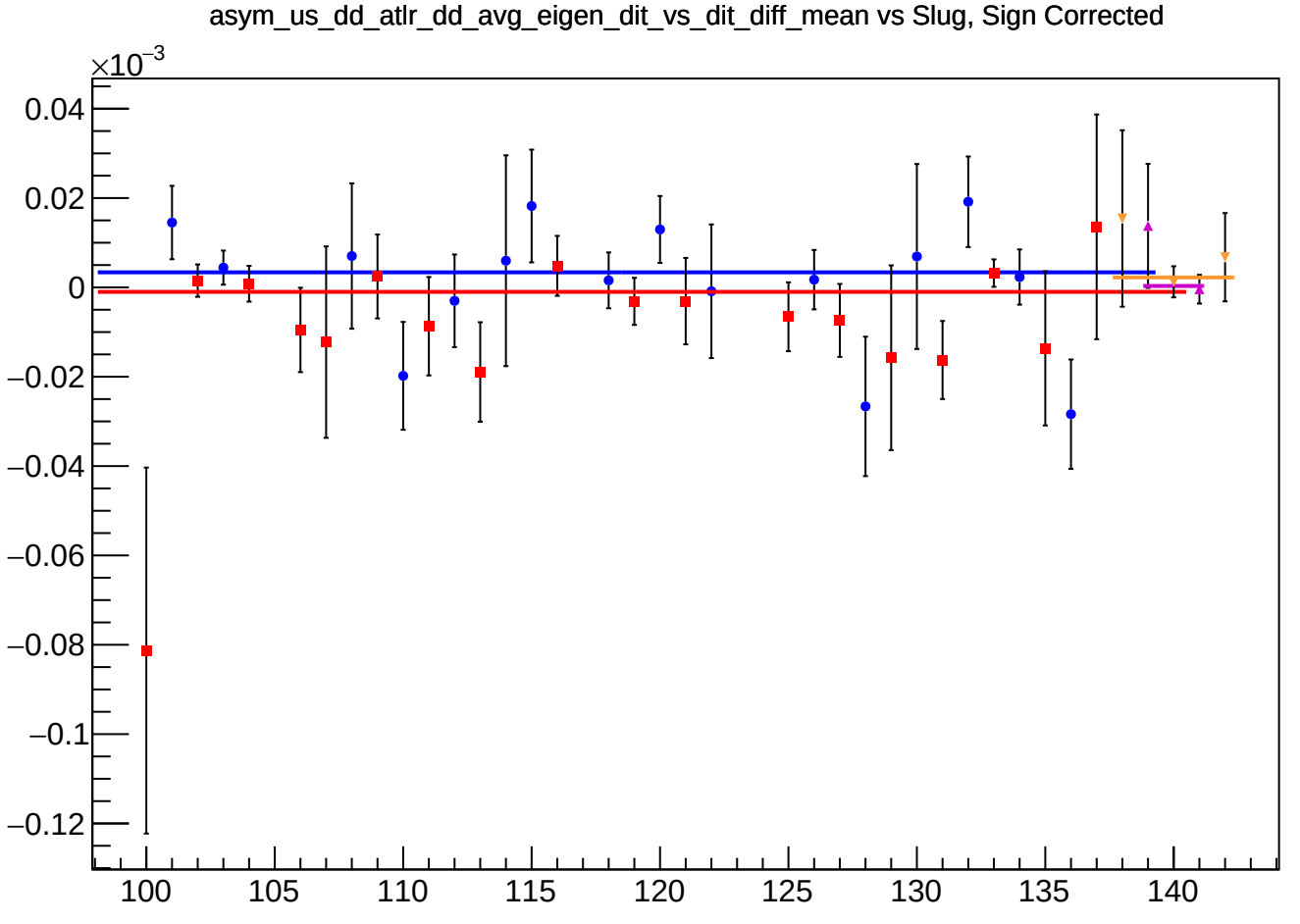
Left: 49.317+/-0.019 χ^2/NDF: 37644.0/4

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 49.513+/-0.013 χ^2/NDF:2289920.5/17

Out: 52.697+/-0.014 χ^2/NDF:2217793.7/20

All: 51.024+/-0.010 χ^2/NDF: 4534505.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/2

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: 1.9/4

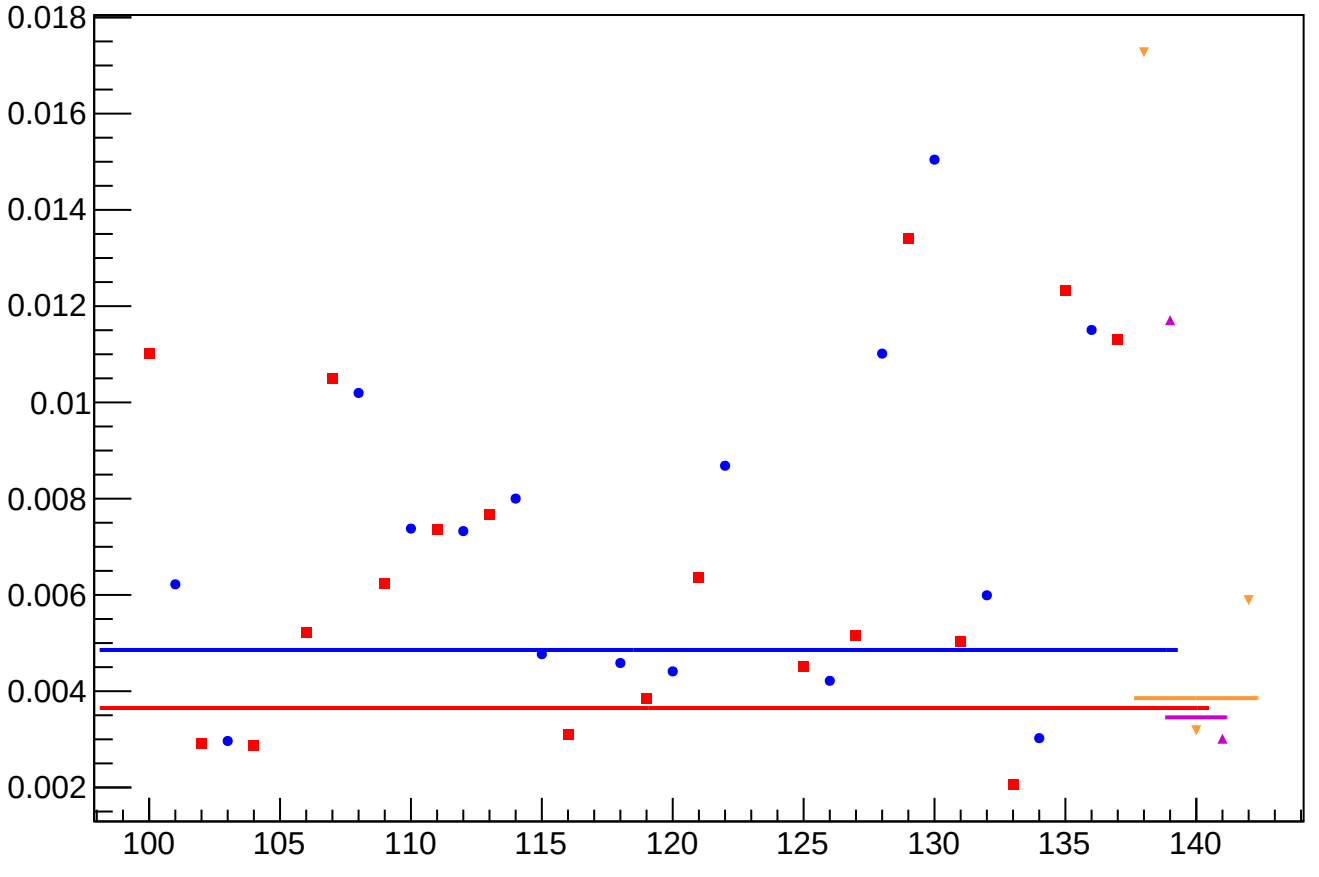
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:23.9/17

Out: -0.000+/-0.000 χ^2/NDF:18.8/20

All: 0.000+/-0.000 χ^2/NDF: 44.2/38

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:1081737.2/2

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.003+/-0.000 χ^2/NDF:745481.1/1

Left: 0.004+/-0.000 χ^2/NDF: 1842938.5/4

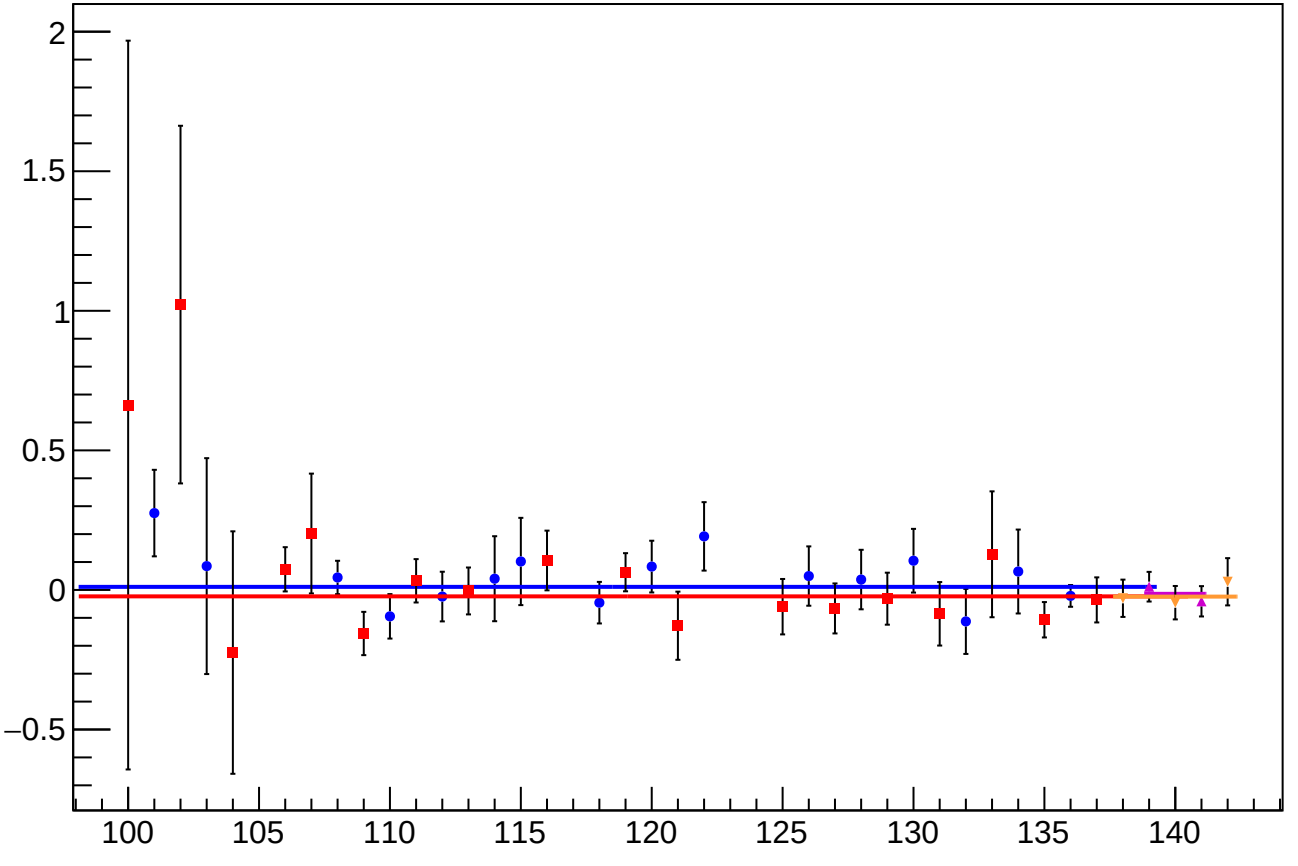
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.004+/-0.000 χ^2/NDF:3768021.9/17

Out: 0.004+/-0.000 χ^2/NDF:4197100.9/20

All: 0.004+/-0.000 χ^2/NDF: 8183569.2/38

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: -0.024+/-0.039 χ^2/NDF:0.5/2

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: -0.019+/-0.027 χ^2/NDF: 1.0/4

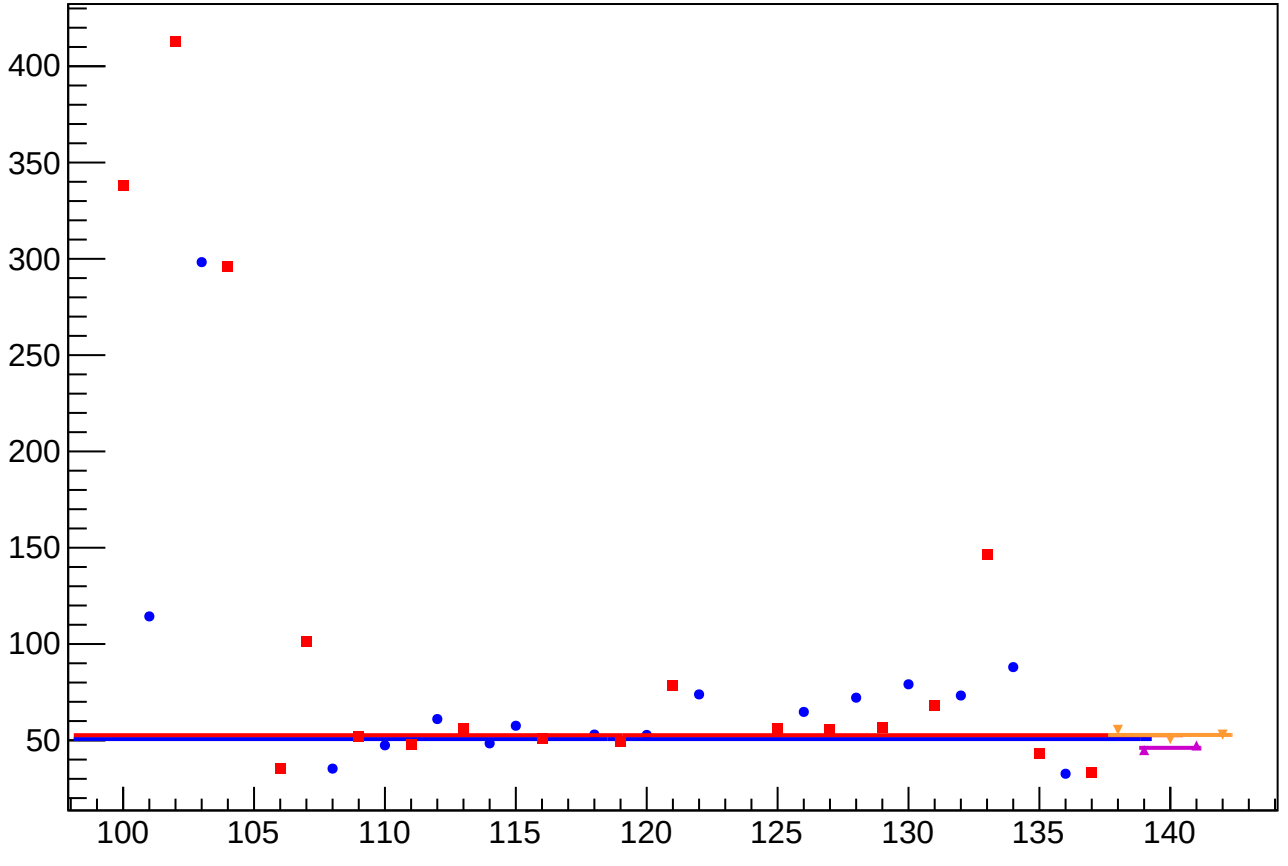
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.014 χ^2/NDF: 30.1/38

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: 52.790+/-0.028 χ^2/NDF:5843.4/2

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.100+/-0.027 χ^2/NDF:1952.8/1

Left: 49.319+/-0.019 χ^2/NDF: 37641.2/4

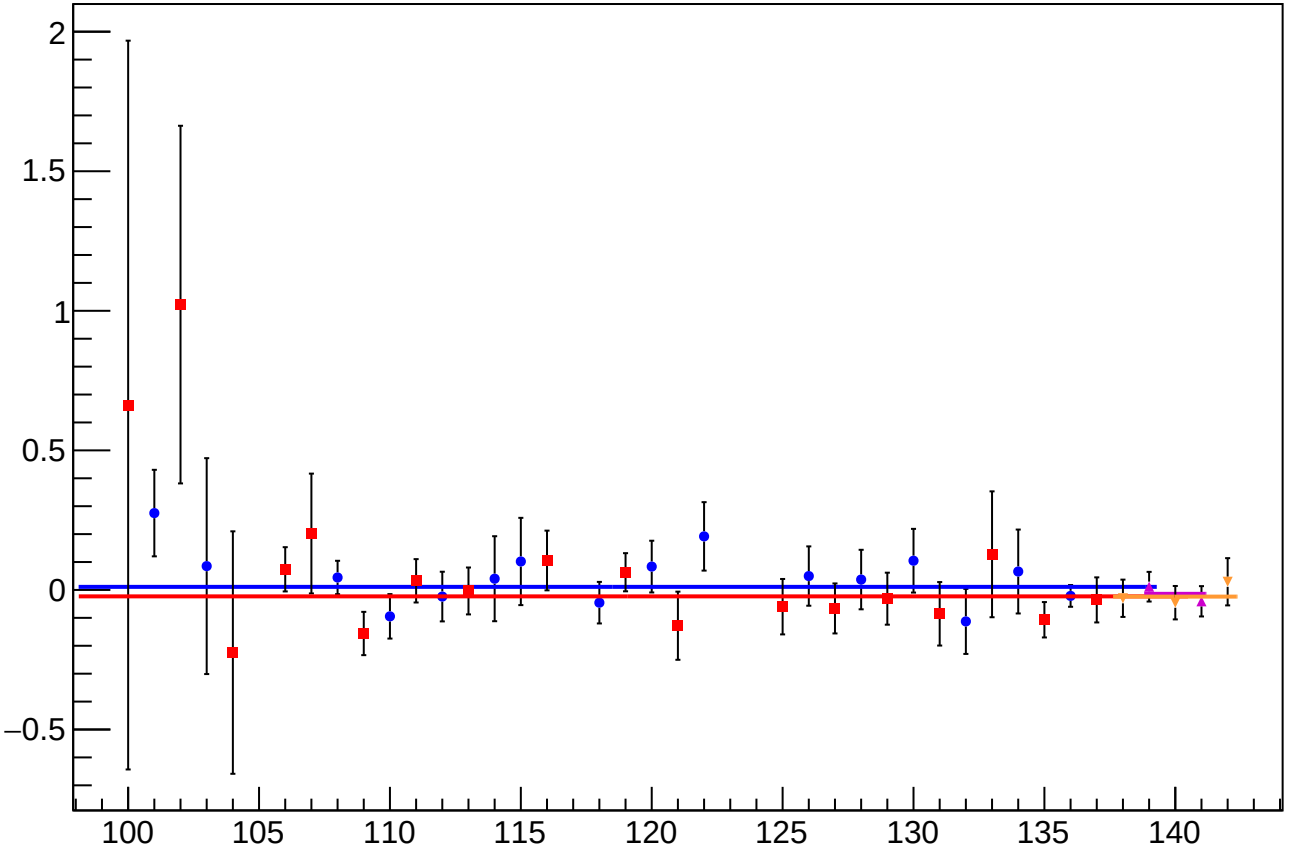
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.514+/-0.013 χ^2/NDF:2289808.1/17

Out: 52.698+/-0.014 χ^2/NDF:2217680.1/20

All: 51.025+/-0.010 χ^2/NDF: 4534281.1/38

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: -0.024+/-0.039 χ^2/NDF:0.5/2

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: -0.019+/-0.027 χ^2/NDF: 1.0/4

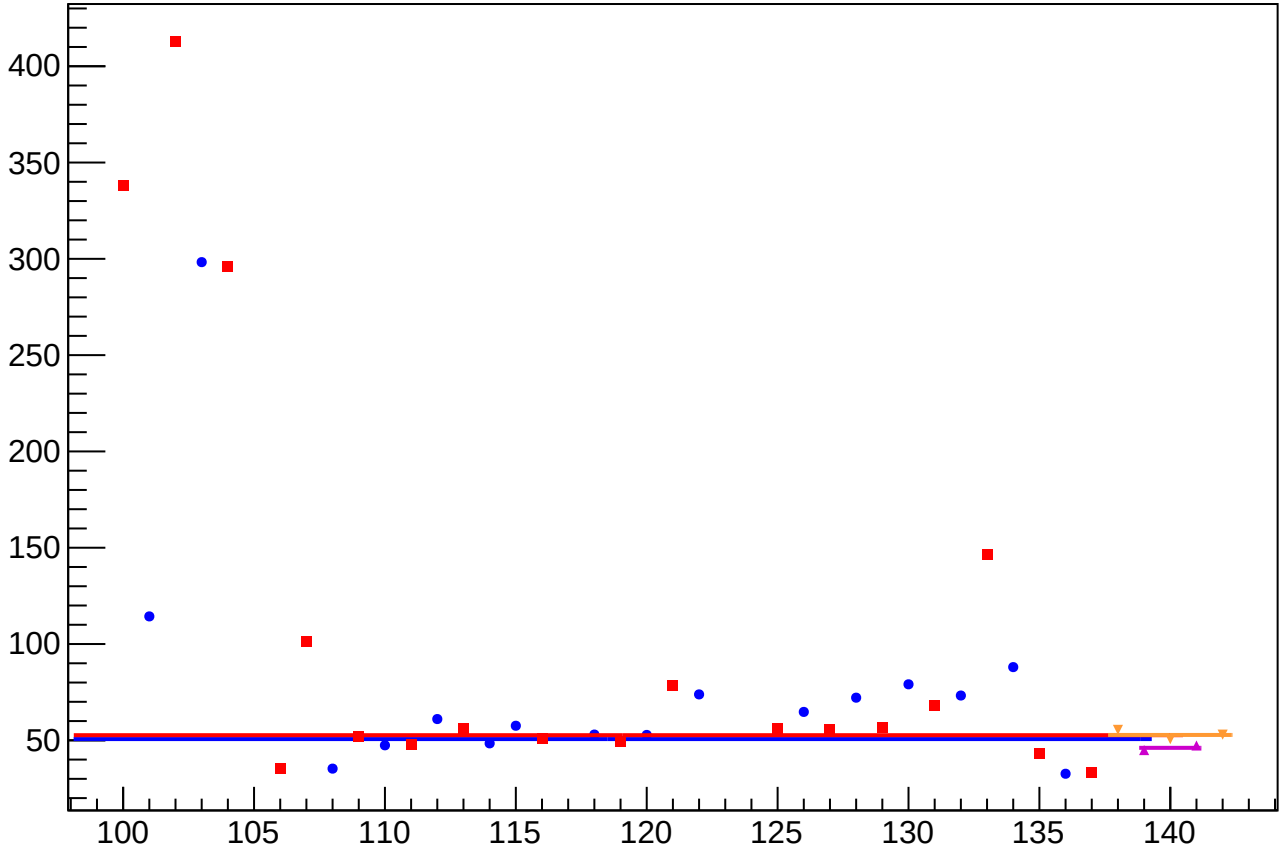
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.019 χ^2/NDF:12.5/17

Out: -0.023+/-0.020 χ^2/NDF:16.5/20

All: -0.009+/-0.014 χ^2/NDF: 30.1/38

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: 52.790+/-0.028 χ^2/NDF:5843.4/2

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.100+/-0.027 χ^2/NDF:1952.8/1

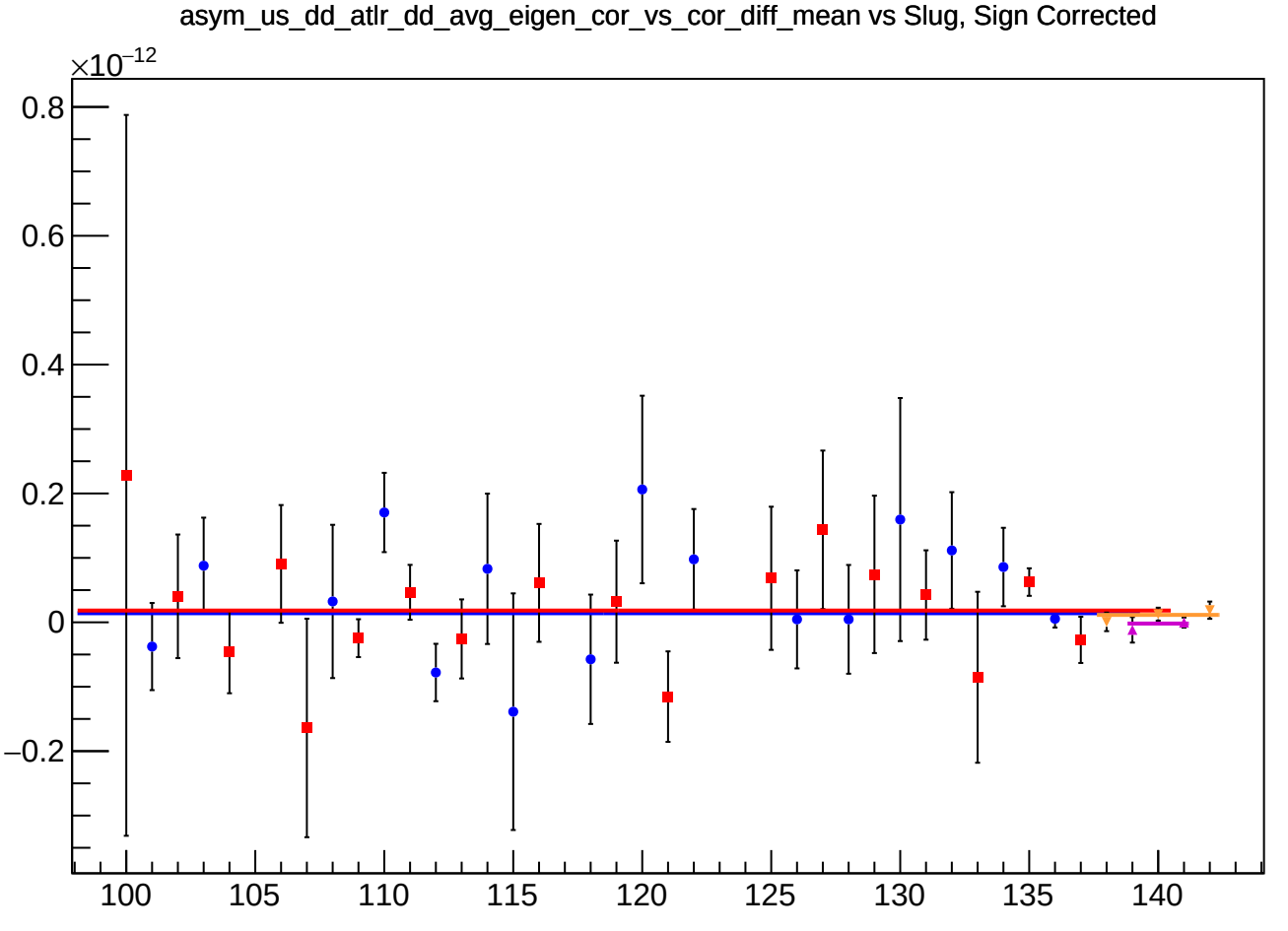
Left: 49.319+/-0.019 χ^2/NDF: 37641.2/4

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 49.514+/-0.013 χ^2/NDF:2289808.1/17

Out: 52.698+/-0.014 χ^2/NDF:2217680.1/20

All: 51.025+/-0.010 χ^2/NDF: 4534281.1/38



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/2

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

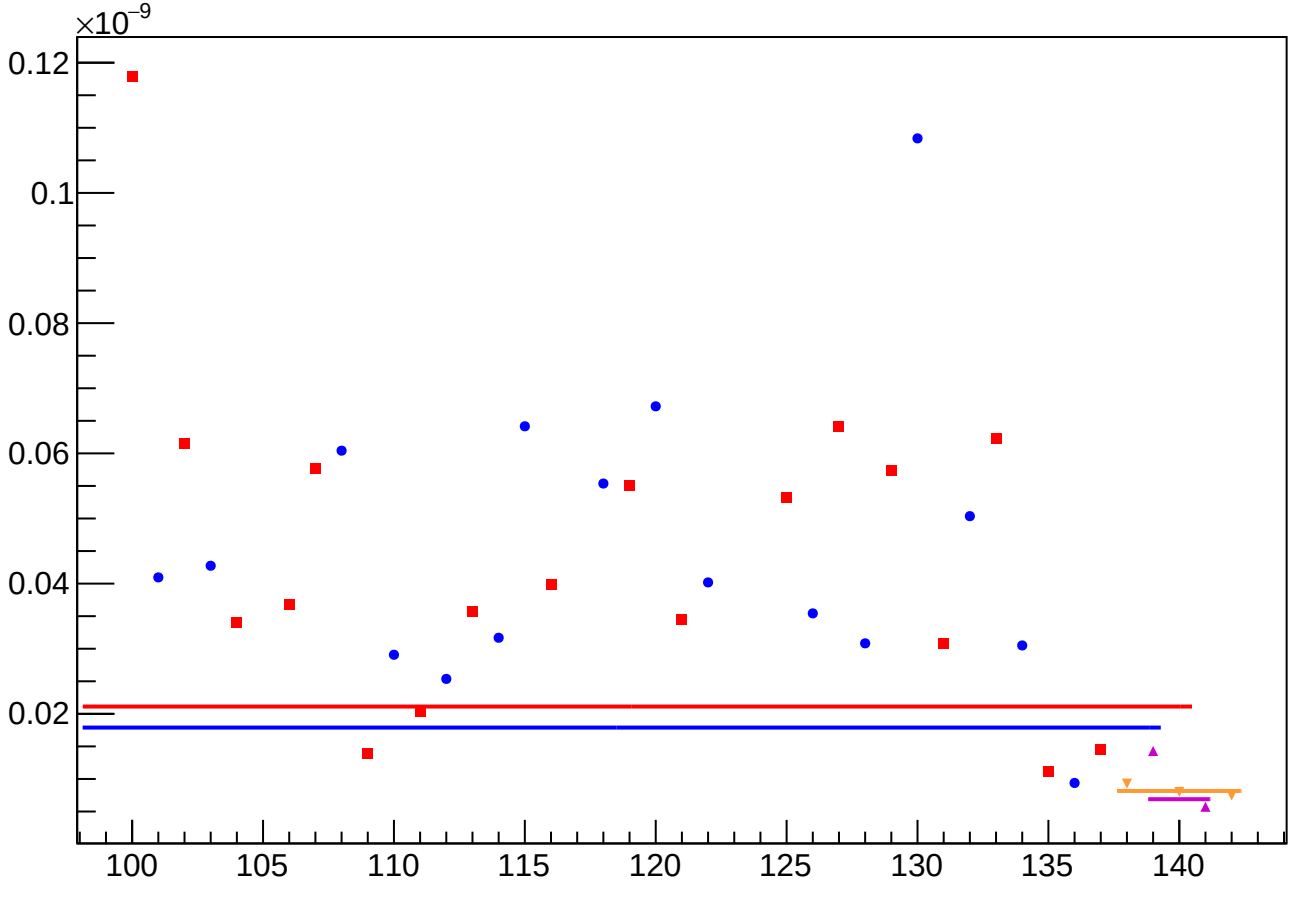
Left: 0.000+/-0.000 χ^2/NDF: 2.9/4

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:19.1/20

All: 0.000+/-0.000 χ^2/NDF: 42.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18066.7/2

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:324380.4/1

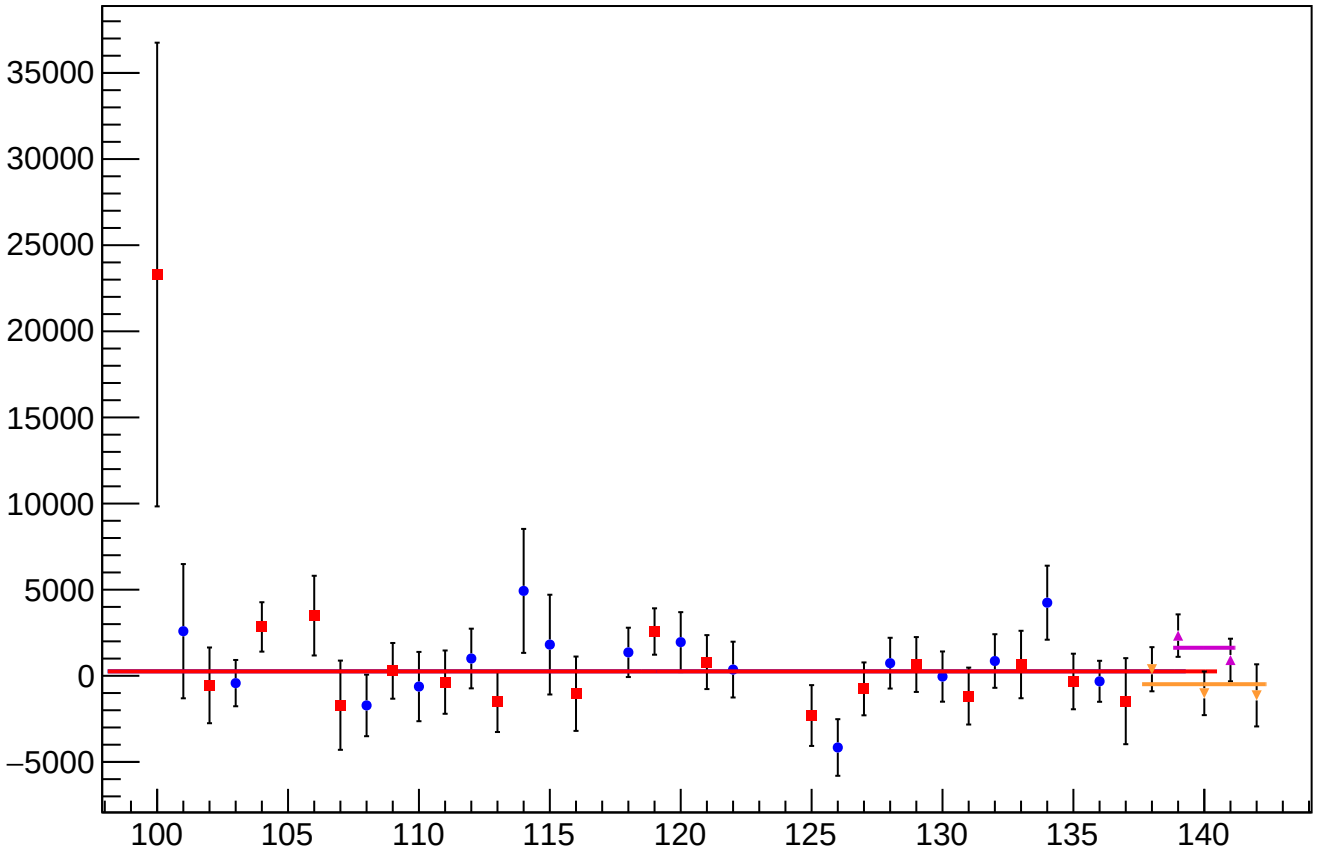
Left: 0.000+/-0.000 χ^2/NDF: 373671.3/4

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:4267582.8/20

All: 0.000+/-0.000 χ^2/NDF: 9359448.1/38



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.016+/-805.918 χ^2/NDF:0.8/2

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 1627.616+/-873.084 χ^2/NDF:0.7/1

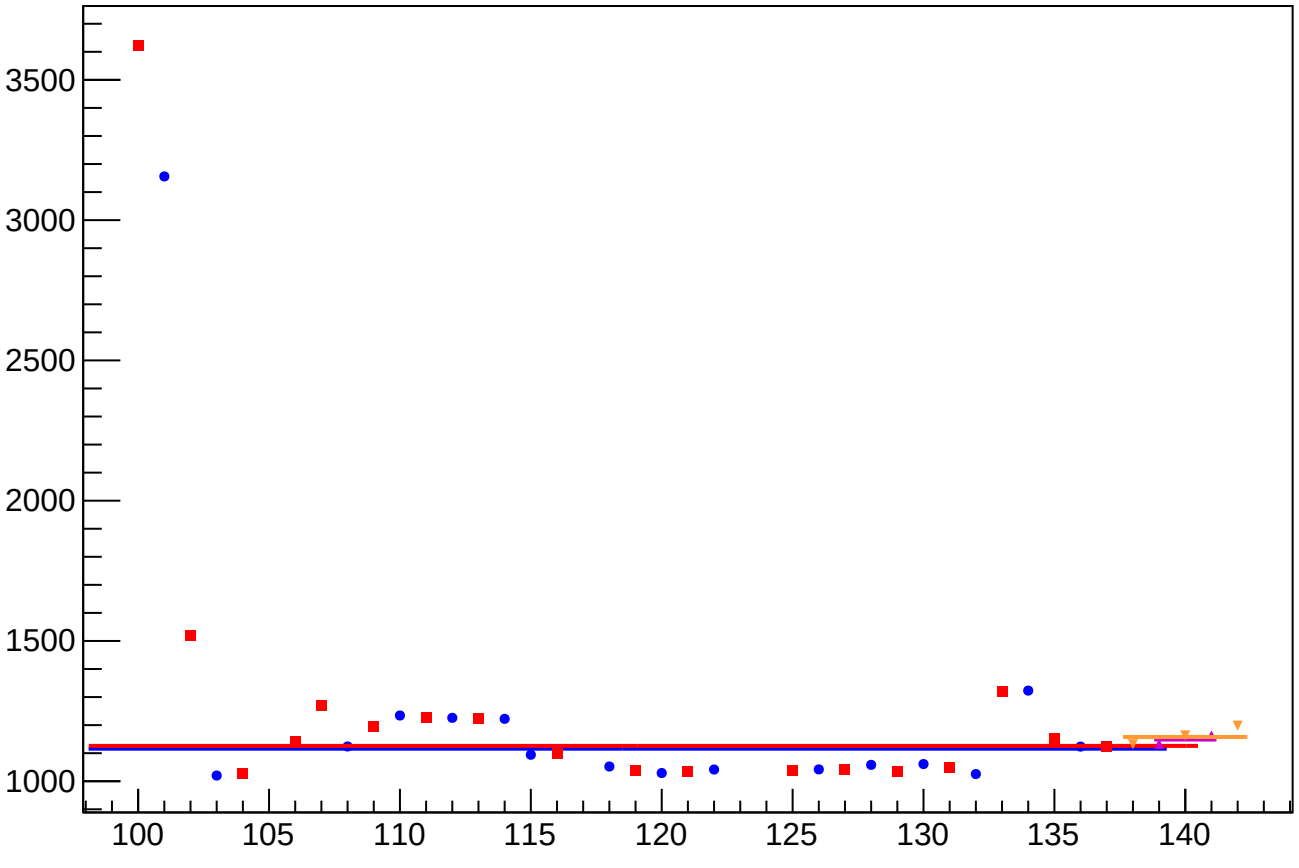
Left: 485.843+/-592.193 χ^2/NDF: 4.6/4

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 522.287+/-381.881 χ^2/NDF:19.6/17

Out: 93.811+/-376.473 χ^2/NDF:18.8/20

All: 304.993+/-268.098 χ^2/NDF: 39.0/38



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

Left: 1153.568+/-0.419 χ^2/NDF: 2557.7/4

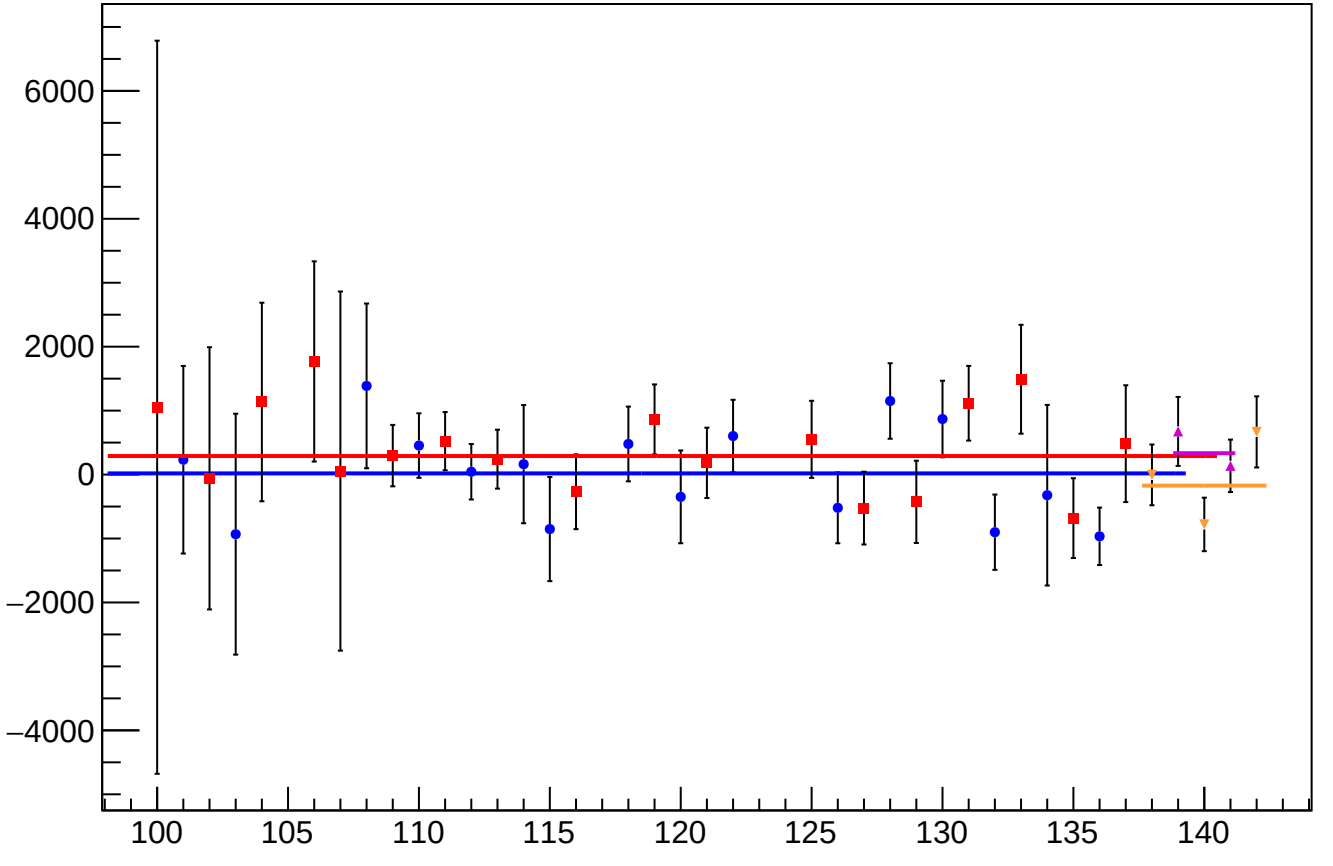
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1122.307+/-0.270 χ^2/NDF:626212.5/17

Out: 1132.954+/-0.266 χ^2/NDF:226396.3/20

All: 1127.706+/-0.190 χ^2/NDF: 853397.1/38

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: -173.471+/-273.399 χ^2/NDF:4.5/2

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 333.774+/-326.579 χ^2/NDF:0.6/1

Left: 35.542+/-209.636 χ^2/NDF: 6.6/4

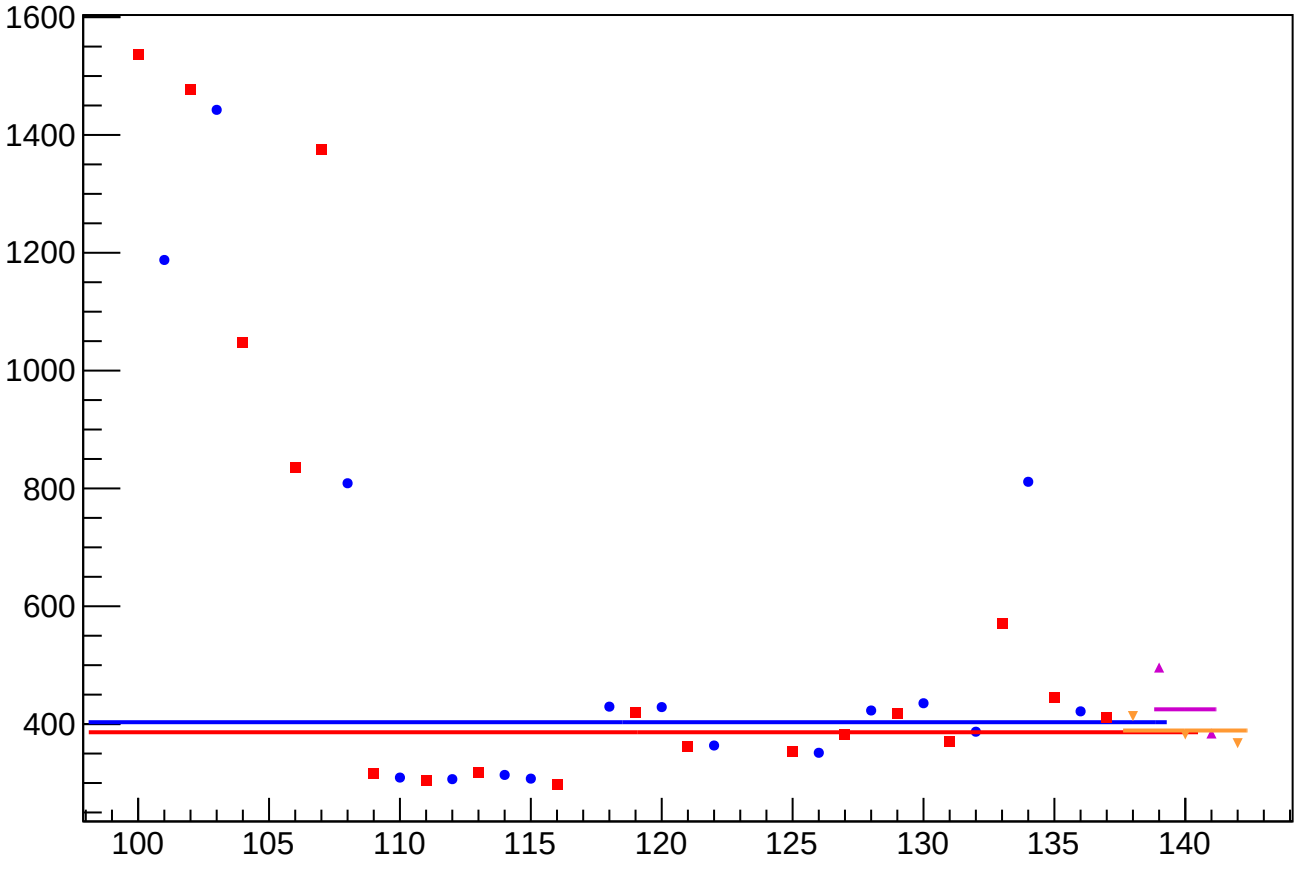
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 80.262+/-144.576 χ^2/NDF:20.6/17

Out: 175.917+/-135.618 χ^2/NDF:20.2/20

All: 131.145+/-98.912 χ^2/NDF: 41.0/38

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 389.109+/-0.193 χ^2/NDF:8834.6/2

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 425.072+/-0.231 χ^2/NDF:54549.6/1

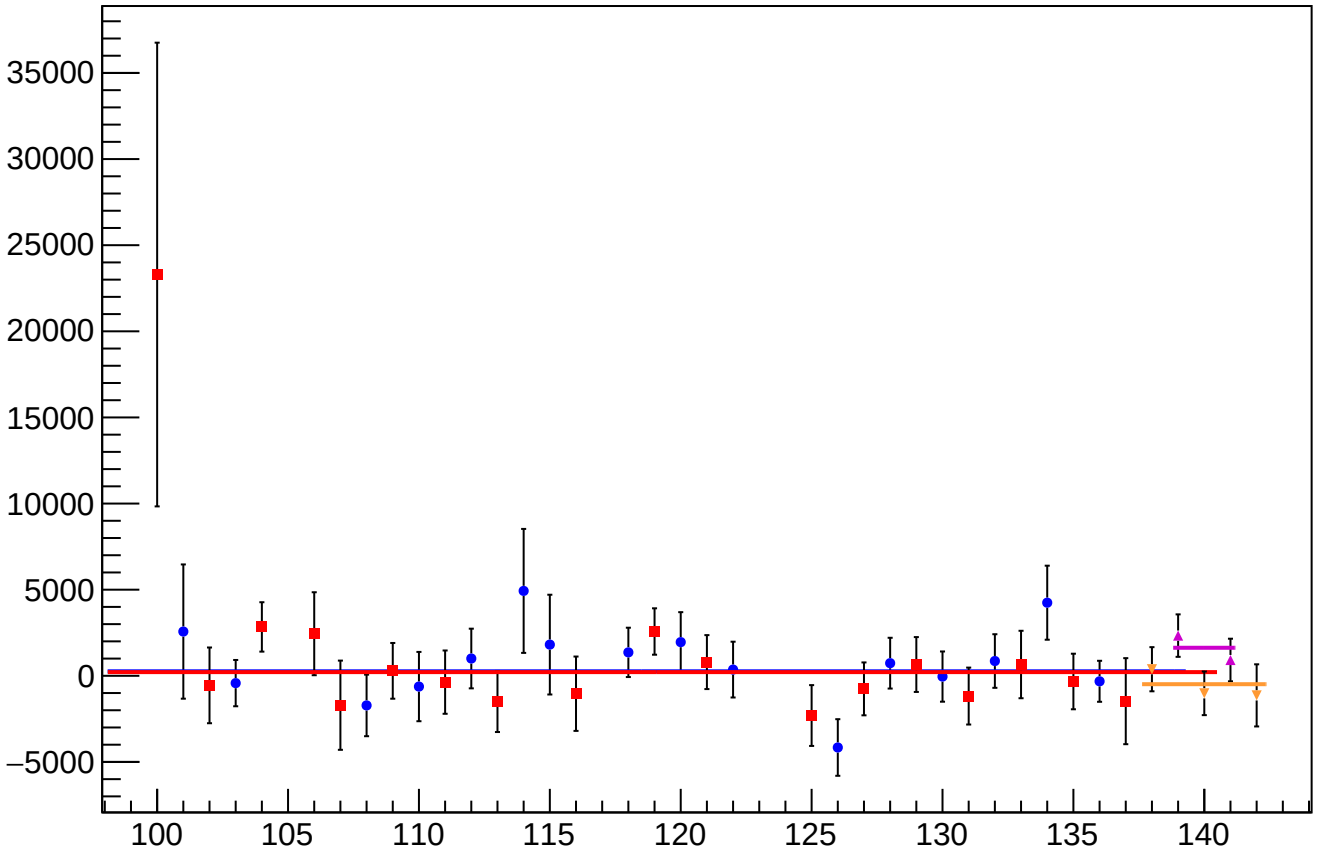
Left: 403.928+/-0.148 χ^2/NDF: 77643.6/4

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 407.482+/-0.102 χ^2/NDF:1870198.5/17

Out: 386.875+/-0.096 χ^2/NDF:1768125.5/20

All: 396.520+/-0.070 χ^2/NDF: 3659936.9/38



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.125+/-805.918 χ^2/NDF:0.8/2

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 1627.654+/-873.084 χ^2/NDF:0.7/1

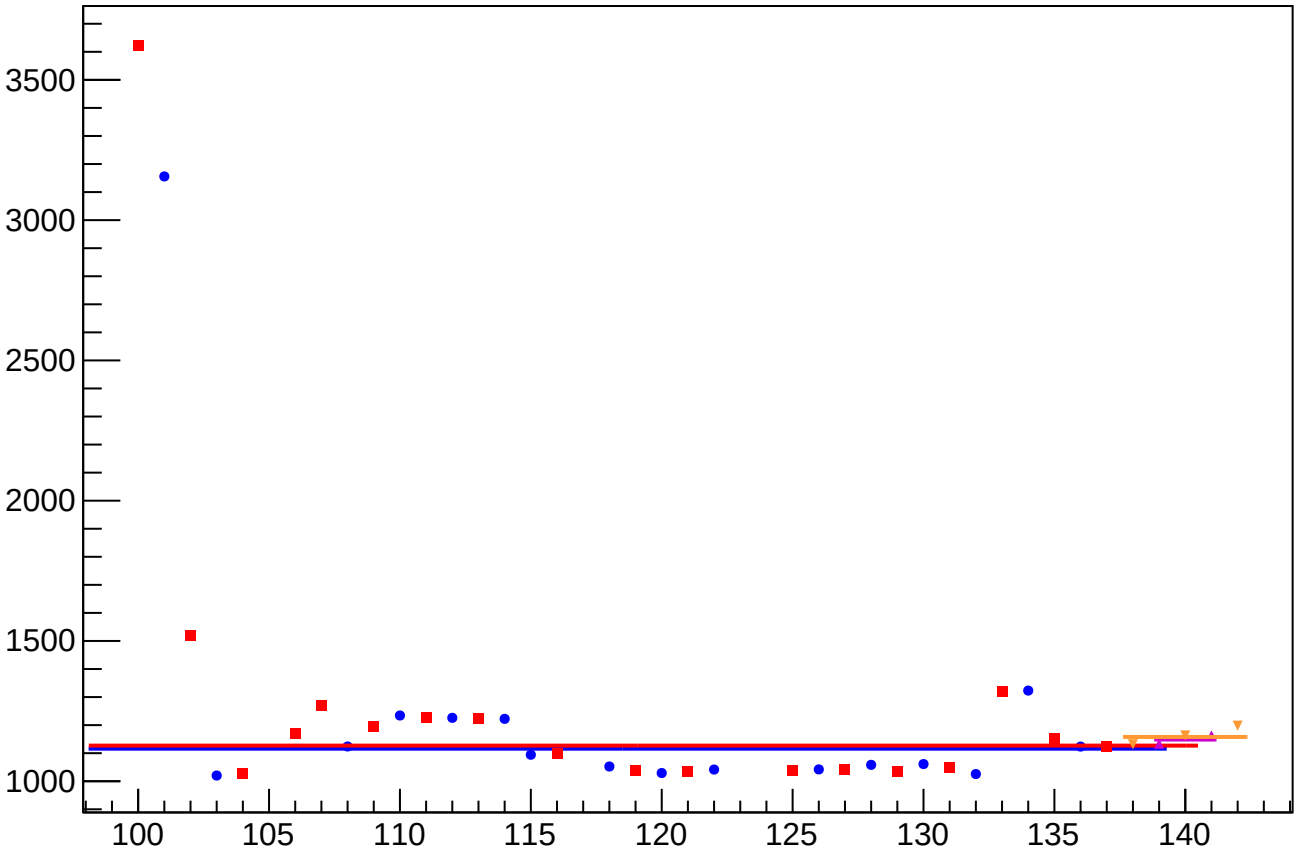
Left: 485.801+/-592.193 χ^2/NDF: 4.6/4

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 521.986+/-381.881 χ^2/NDF:19.6/17

Out: 61.082+/-376.858 χ^2/NDF:17.6/20

All: 288.482+/-268.237 χ^2/NDF: 37.9/38



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

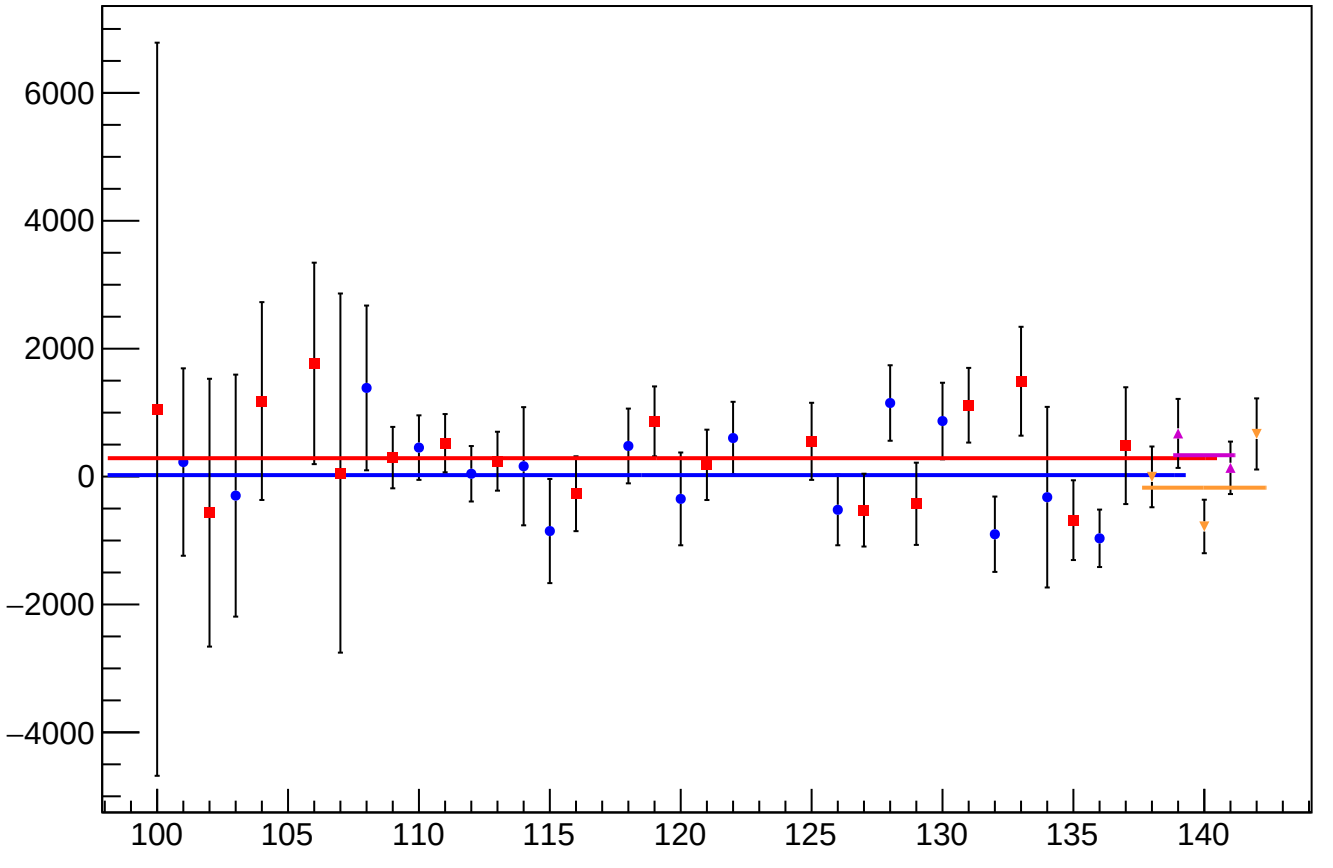
Left: 1153.568+/-0.419 χ^2/NDF: 2557.7/4

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1122.307+/-0.270 χ^2/NDF:626213.6/17

Out: 1133.706+/-0.266 χ^2/NDF:226886.7/20

All: 1128.082+/-0.190 χ^2/NDF: 854003.1/38



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -173.823+/-273.401 χ^2/NDF:4.5/2

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 334.029+/-326.576 χ^2/NDF:0.6/1

Left: 35.444+/-209.636 χ^2/NDF: 6.6/4

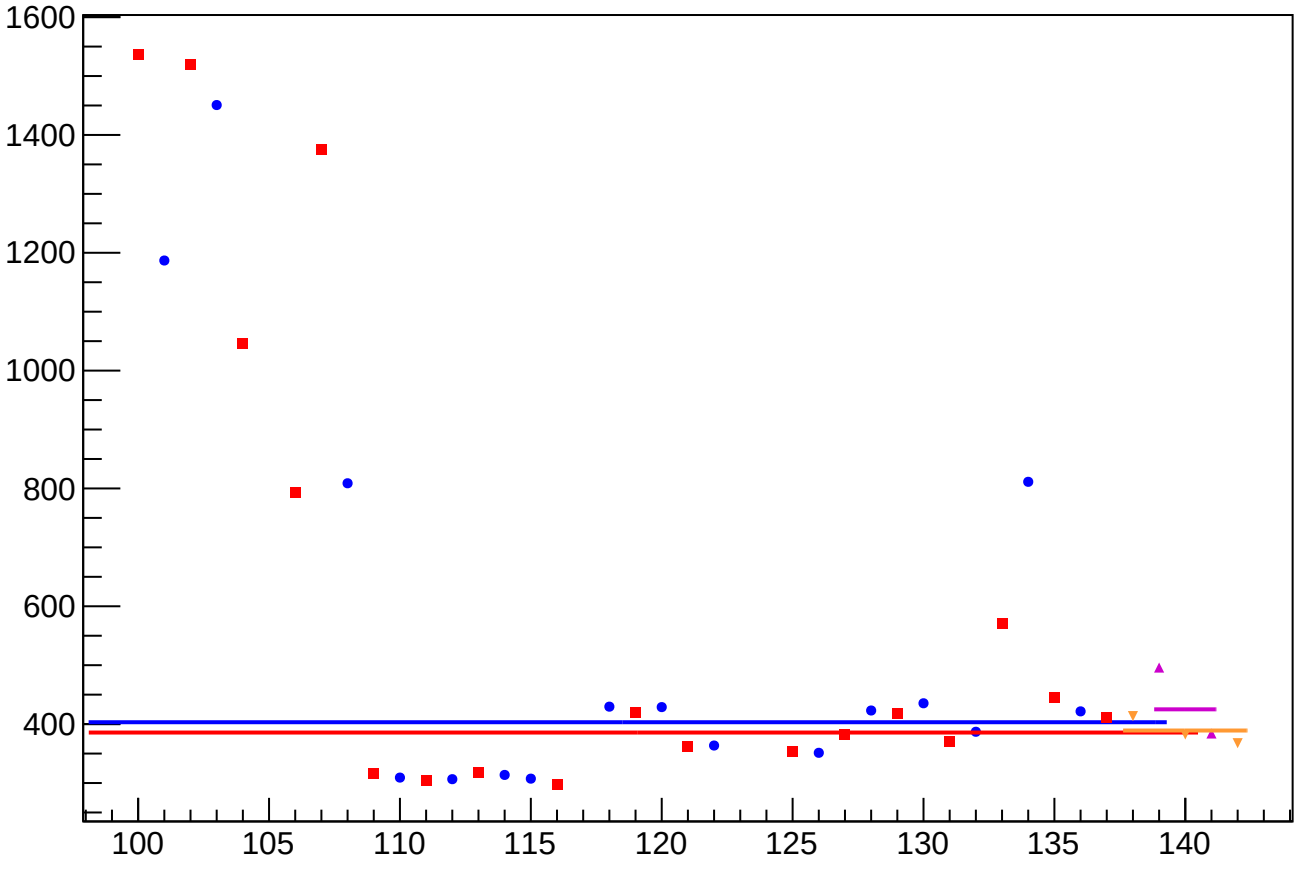
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 83.896+/-144.577 χ^2/NDF:20.3/17

Out: 174.049+/-135.634 χ^2/NDF:20.3/20

All: 131.847+/-98.918 χ^2/NDF: 40.8/38

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: 389.112+/-0.193 χ^2/NDF:8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 425.068+/-0.231 χ^2/NDF:54537.9/1

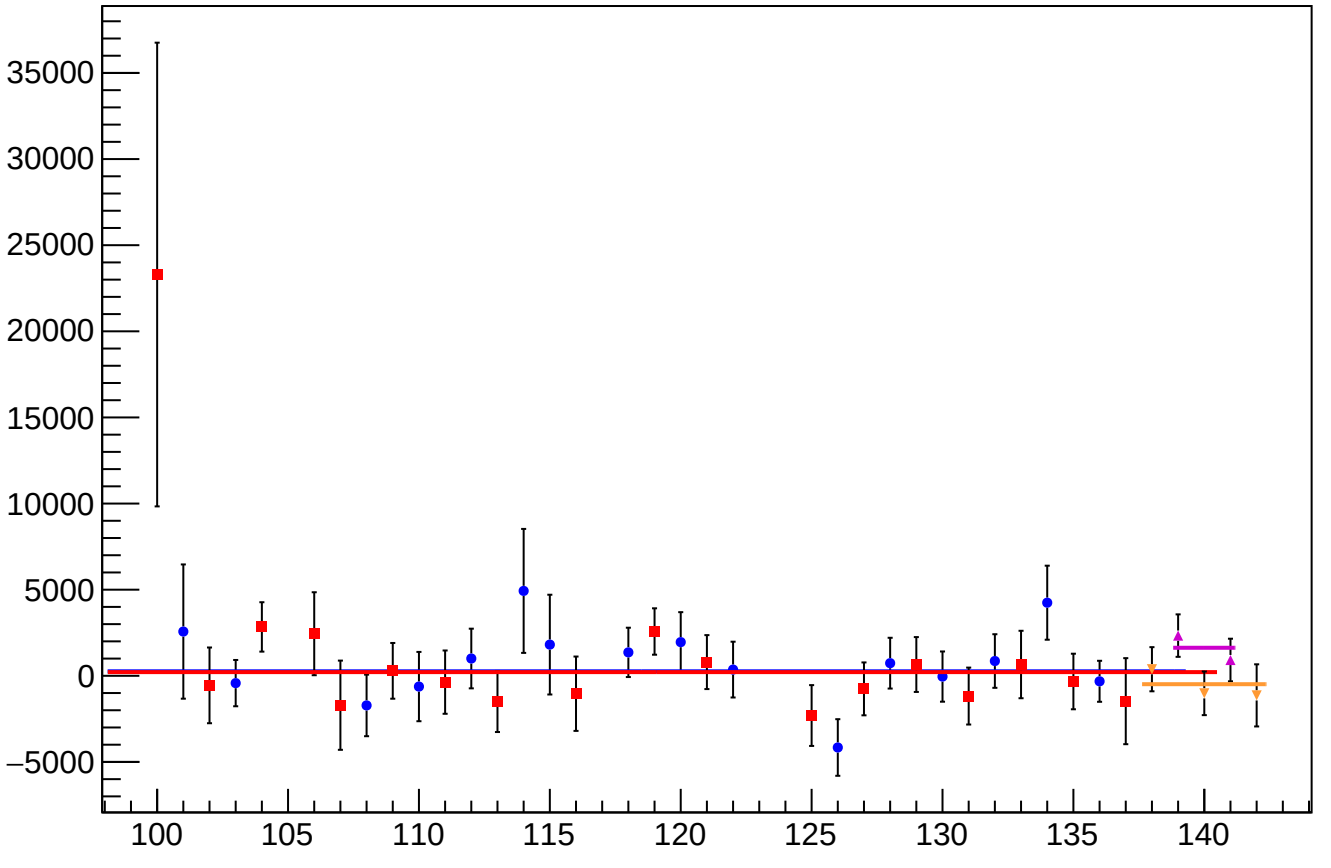
Left: 403.928+/-0.148 χ^2/NDF: 77617.4/4

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 407.471+/-0.102 χ^2/NDF:1873870.6/17

Out: 386.526+/-0.096 χ^2/NDF:1756215.6/20

All: 396.331+/-0.070 χ^2/NDF: 3652413.3/38



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -487.125+/-805.918 χ^2/NDF:0.8/2

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 1627.654+/-873.084 χ^2/NDF:0.7/1

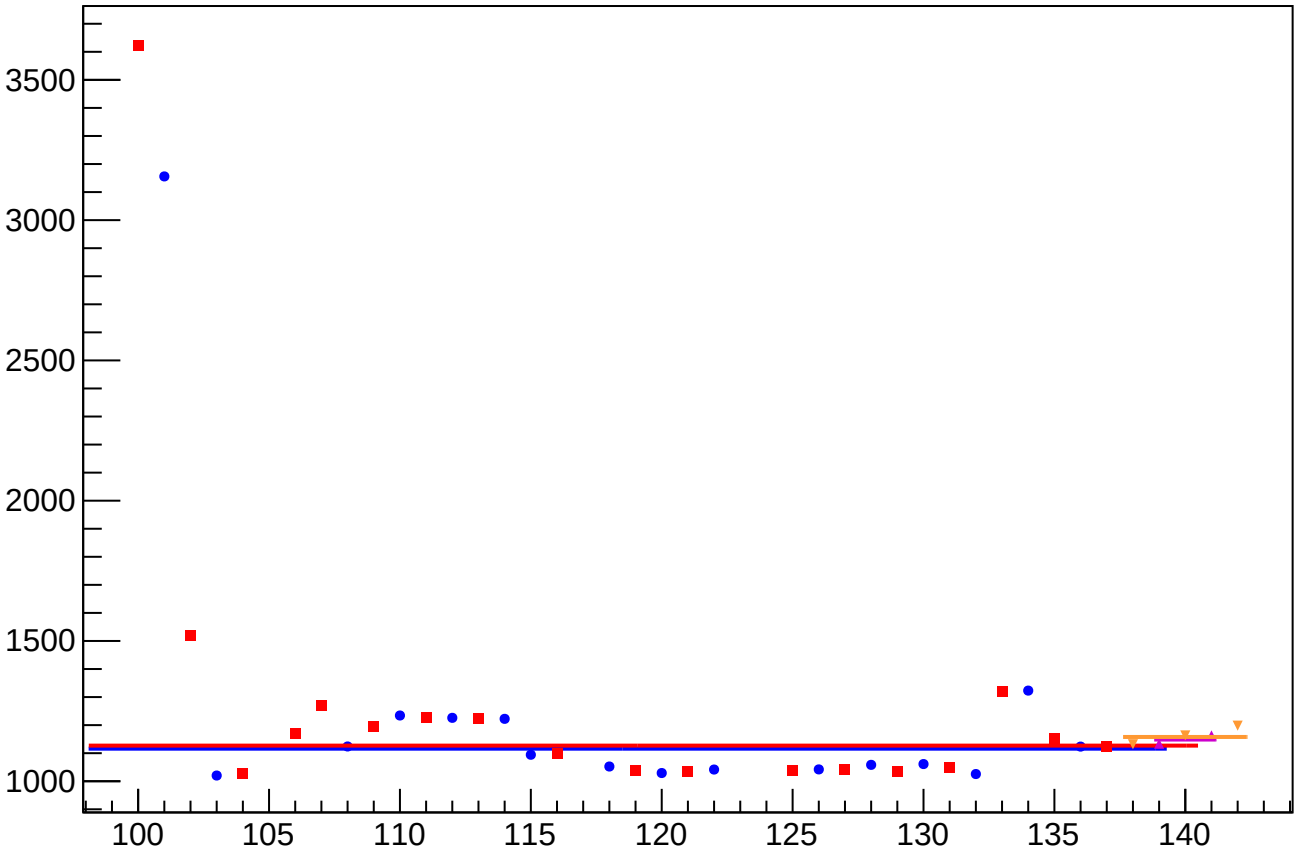
Left: 485.801+/-592.193 χ^2/NDF: 4.6/4

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 521.986+/-381.881 χ^2/NDF:19.6/17

Out: 61.082+/-376.858 χ^2/NDF:17.6/20

All: 288.482+/-268.237 χ^2/NDF: 37.9/38



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1157.811+/-0.570 χ^2/NDF:1856.7/2

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1148.589+/-0.617 χ^2/NDF:580.5/1

Left: 1153.568+/-0.419 χ^2/NDF: 2557.7/4

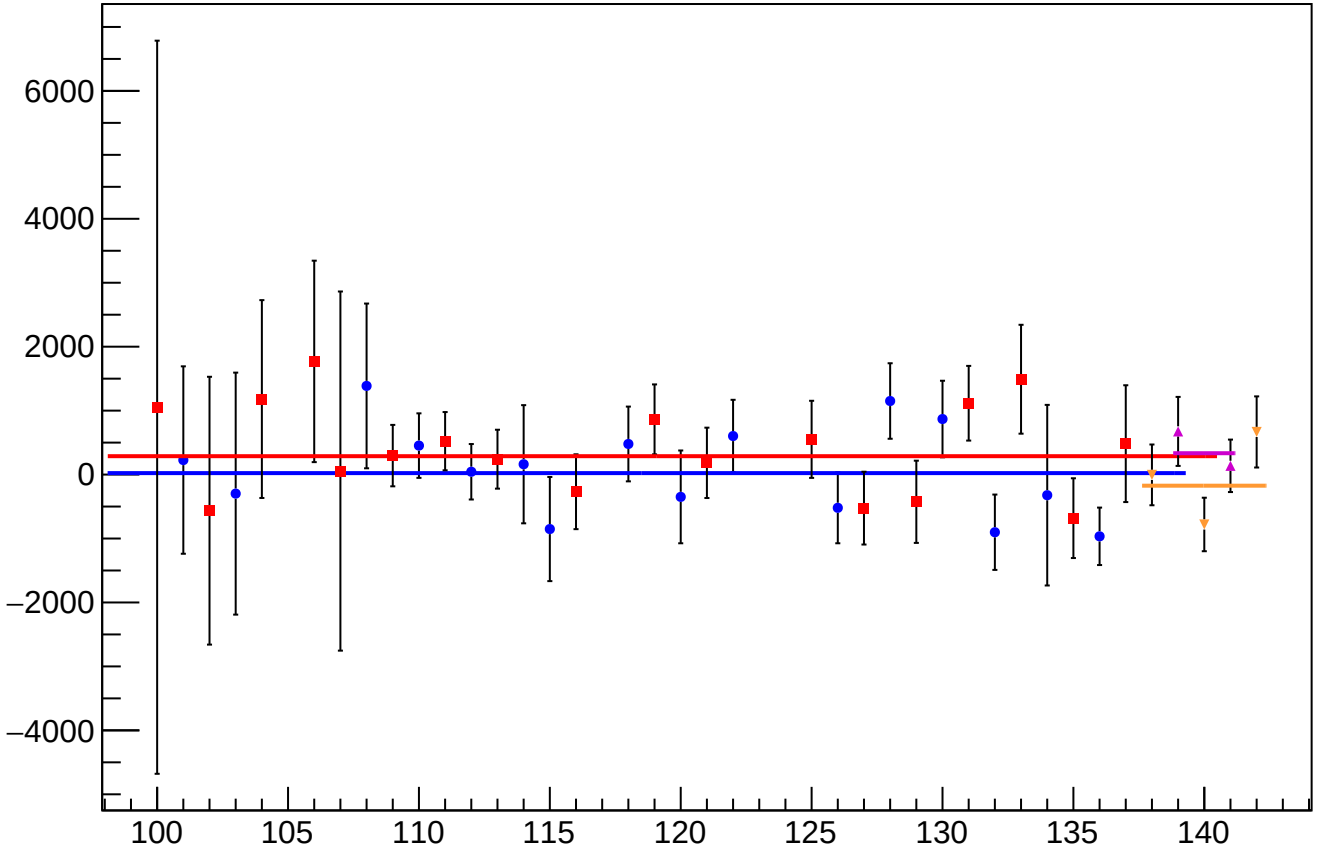
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1122.307+/-0.270 χ^2/NDF:626213.6/17

Out: 1133.706+/-0.266 χ^2/NDF:226886.7/20

All: 1128.082+/-0.190 χ^2/NDF: 854003.1/38

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: -173.823+/-273.401 χ^2/NDF:4.5/2

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 334.029+/-326.576 χ^2/NDF:0.6/1

Left: 35.444+/-209.636 χ^2/NDF: 6.6/4

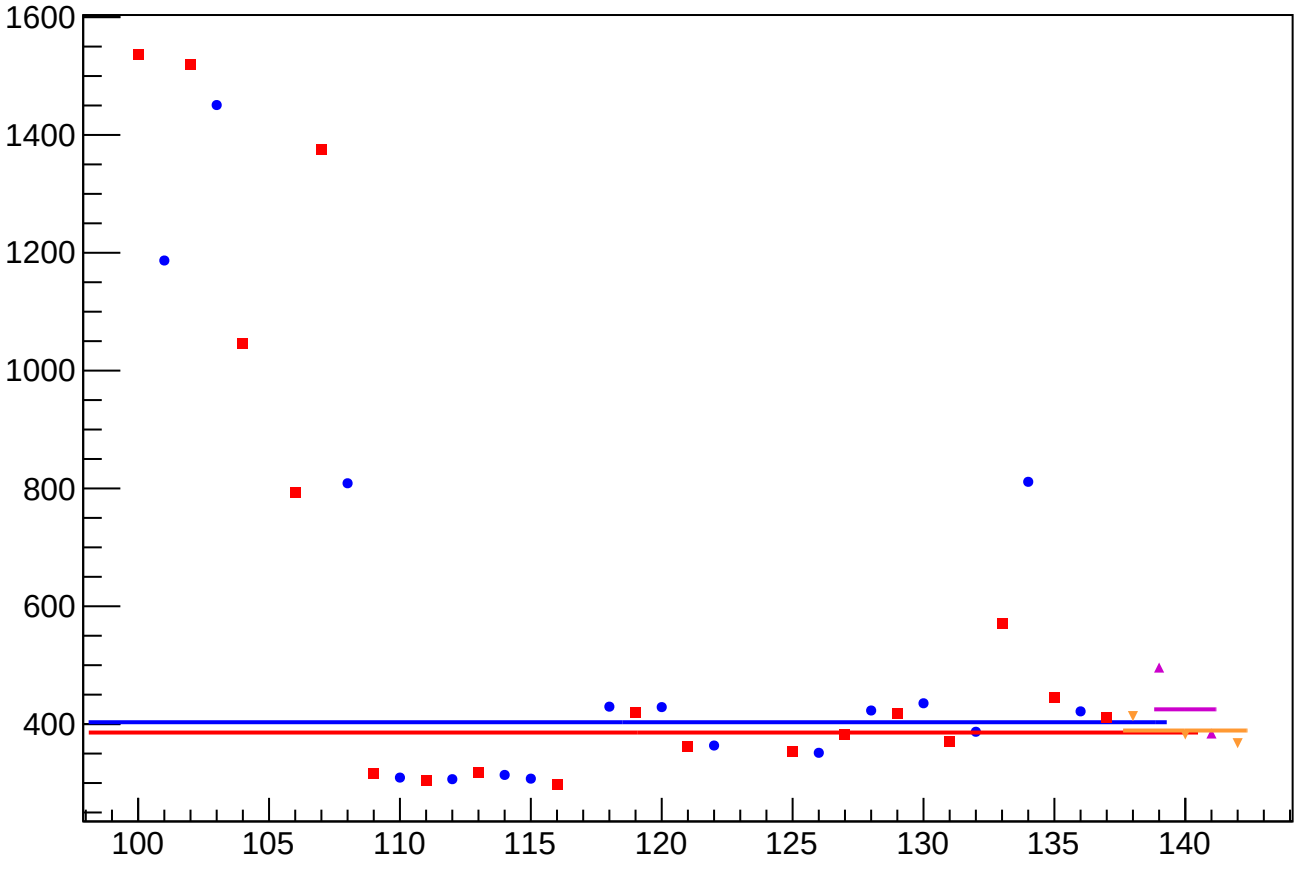
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 83.896+/-144.577 χ^2/NDF:20.3/17

Out: 174.049+/-135.634 χ^2/NDF:20.3/20

All: 131.847+/-98.918 χ^2/NDF: 40.8/38

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: 389.112+/-0.193 χ^2/NDF:8826.0/2

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 425.068+/-0.231 χ^2/NDF:54537.9/1

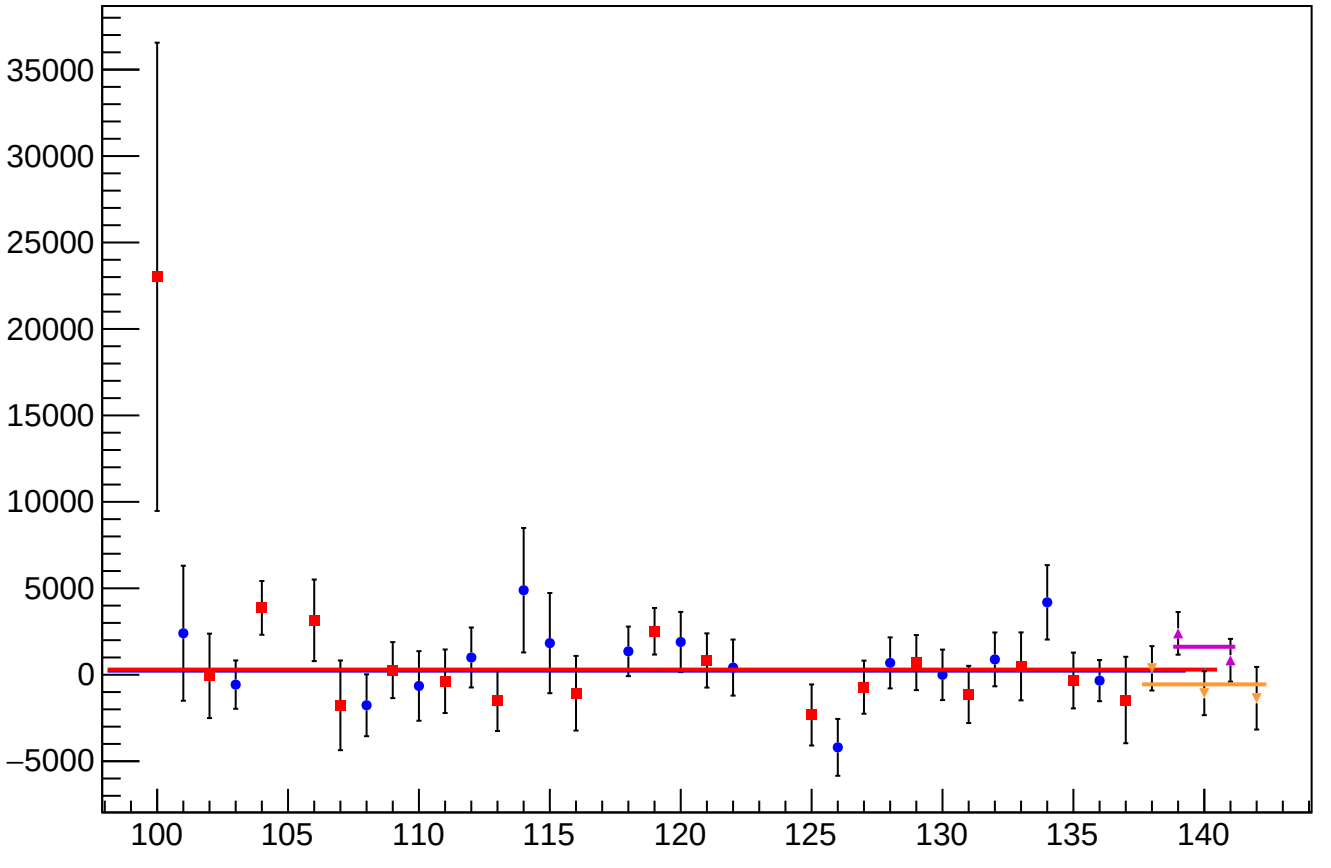
Left: 403.928+/-0.148 χ^2/NDF: 77617.4/4

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 407.471+/-0.102 χ^2/NDF:1873870.6/17

Out: 386.526+/-0.096 χ^2/NDF:1756215.6/20

All: 396.331+/-0.070 χ^2/NDF: 3652413.3/38



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -554.322+/-807.192 χ^2/NDF:0.9/2

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 1619.417+/-873.939 χ^2/NDF:0.8/1

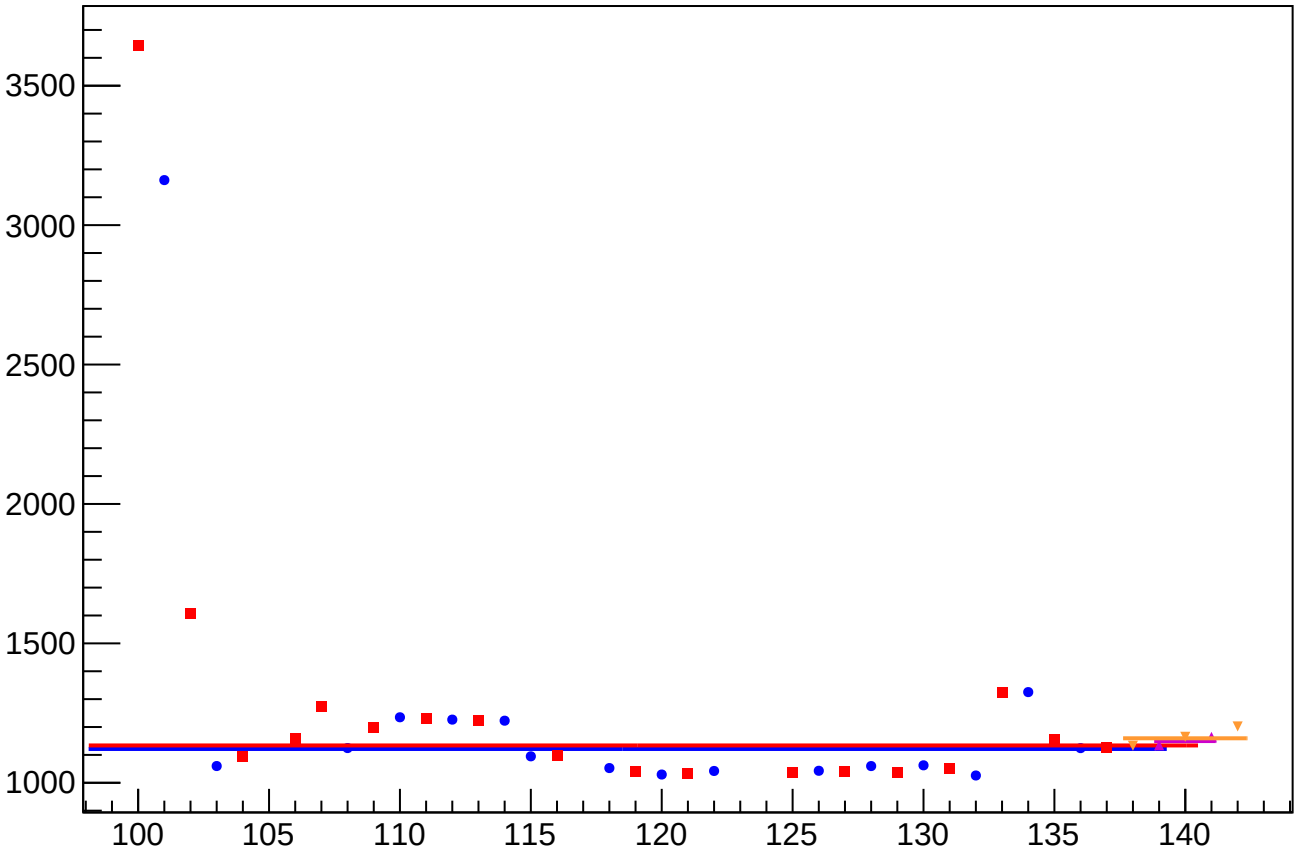
Left: 446.378+/-592.965 χ^2/NDF: 5.0/4

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 506.095+/-383.359 χ^2/NDF:19.8/17

Out: 109.787+/-380.037 χ^2/NDF:20.4/20

All: 306.216+/-269.893 χ^2/NDF: 40.7/38



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1159.588+/-0.571 χ^2/NDF:2005.2/2

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1149.689+/-0.618 χ^2/NDF:588.8/1

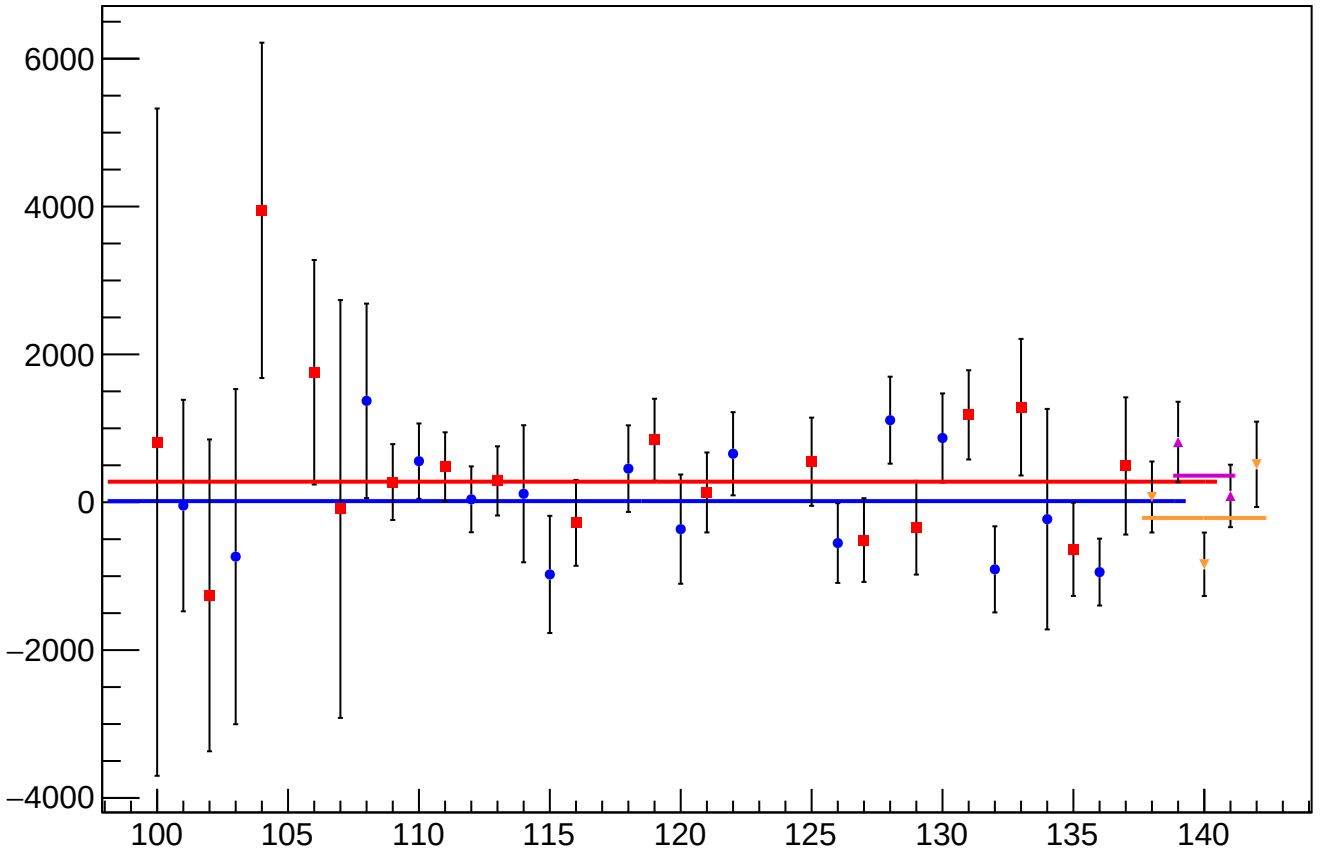
Left: 1155.031+/-0.419 χ^2/NDF: 2732.5/4

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

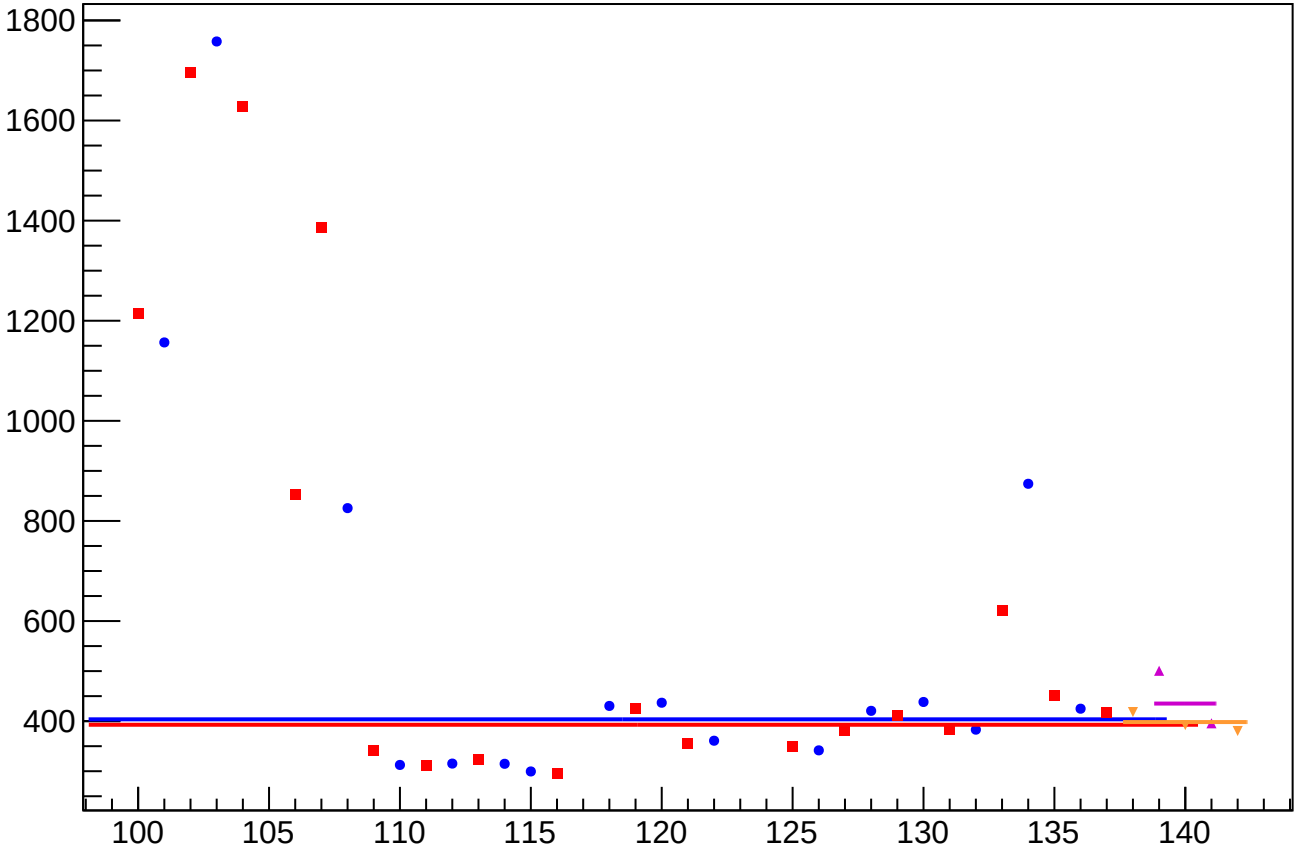
In: 1126.758+/-0.271 χ^2/NDF:619322.3/17

Out: 1139.617+/-0.269 χ^2/NDF:231035.2/20

All: 1133.243+/-0.191 χ^2/NDF: 851492.4/38


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -212.186+/-279.772 χ²/NDF:4.1/2
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: 359.433+/-333.826 χ²/NDF:1.1/1
Left: 23.655+/-214.426 χ²/NDF: 6.9/4
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: 80.787+/-145.632 χ²/NDF:21.6/17
Out: 158.714+/-138.122 χ²/NDF:21.5/20
All: 121.812+/-100.217 χ²/NDF: 43.2/38

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: 398.204+/-0.198 χ^2/NDF:5782.5/2

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 435.151+/-0.236 χ^2/NDF:46374.0/1

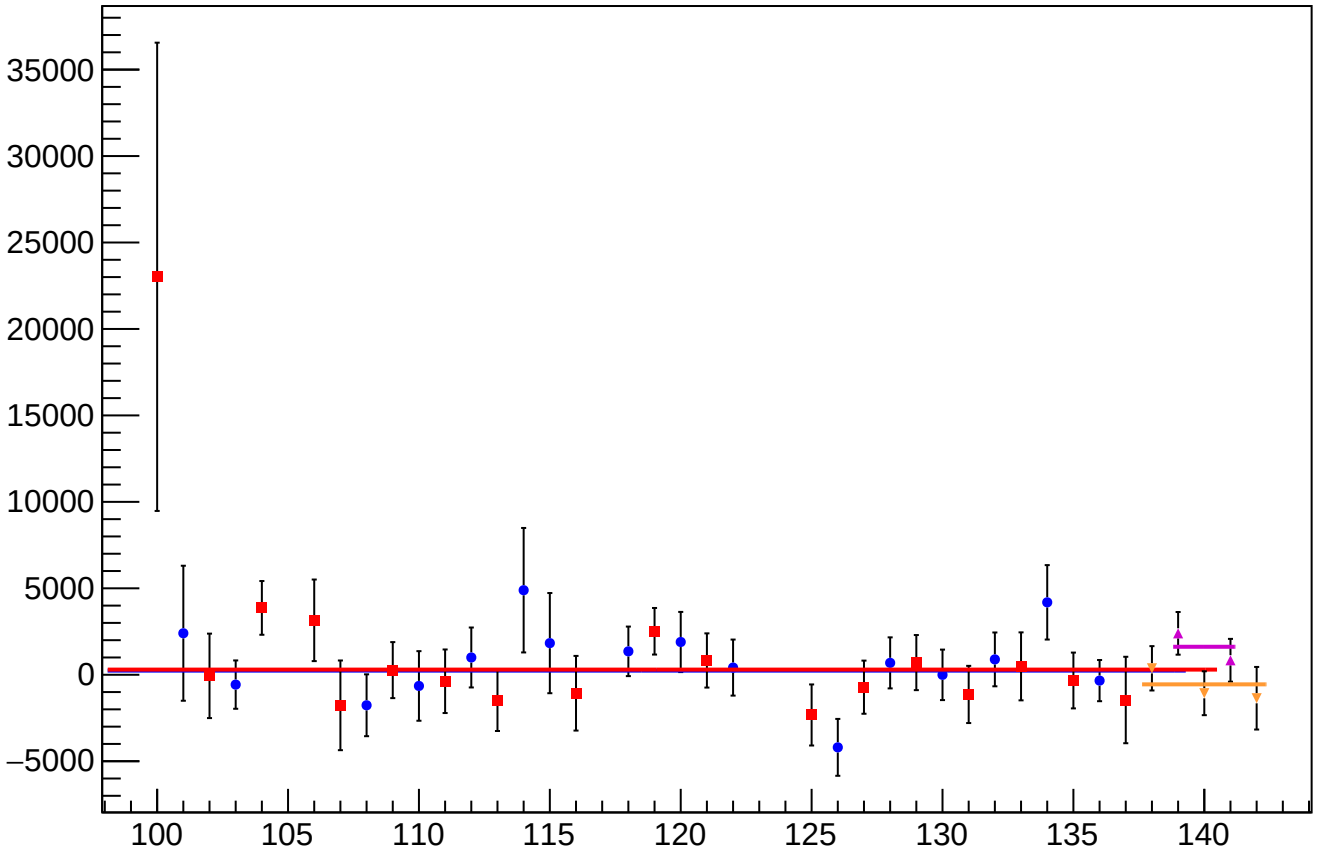
Left: 413.448+/-0.152 χ^2/NDF: 66547.7/4

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 409.650+/-0.103 χ^2/NDF:1990385.7/17

Out: 394.133+/-0.098 χ^2/NDF:2209798.7/20

All: 401.481+/-0.071 χ^2/NDF: 4212138.0/38



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -554.328+/-807.192 χ^2/NDF:0.9/2

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 1619.412+/-873.939 χ^2/NDF:0.8/1

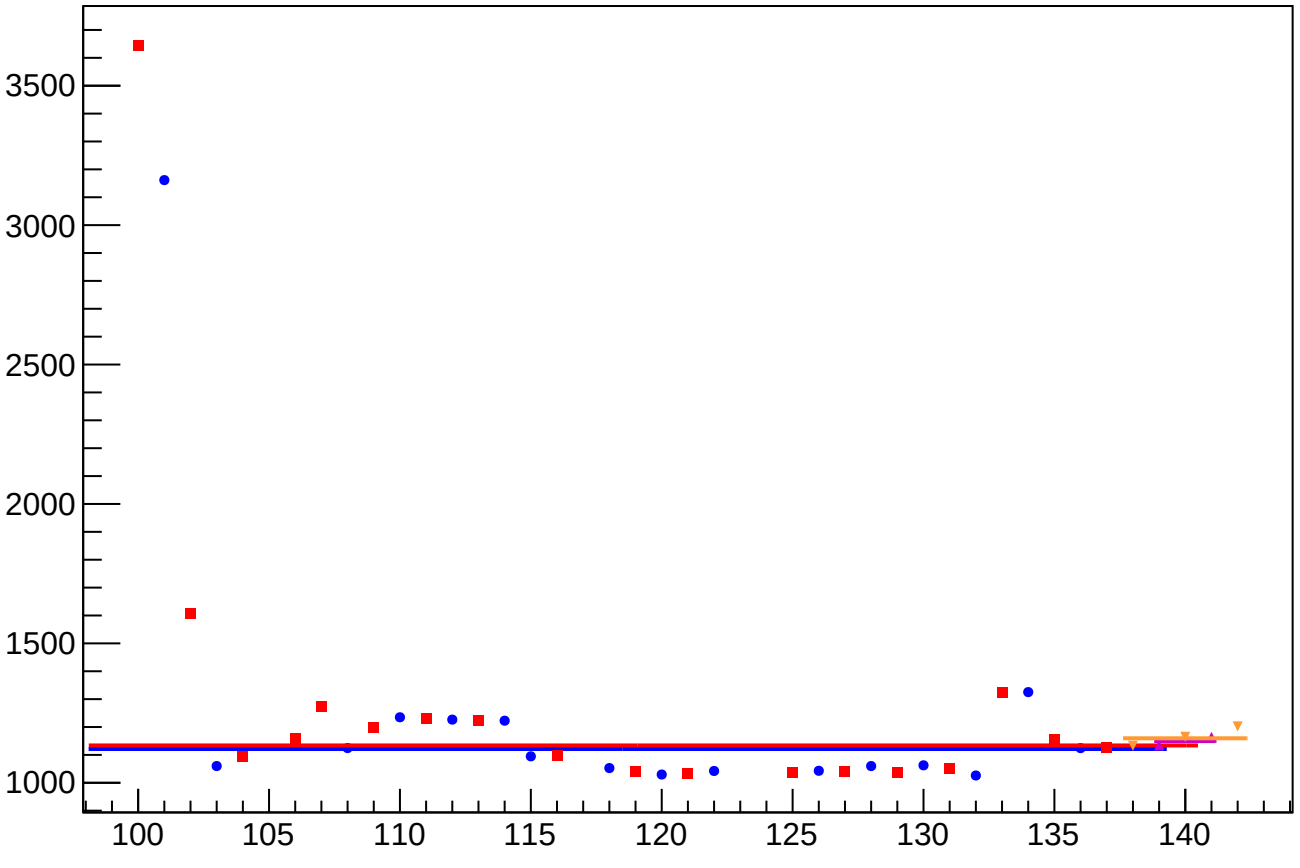
Left: 446.373+/-592.965 χ^2/NDF: 5.0/4

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 506.096+/-383.359 χ^2/NDF:19.8/17

Out: 109.786+/-380.037 χ^2/NDF:20.4/20

All: 306.216+/-269.893 χ^2/NDF: 40.7/38



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1159.588+/-0.571 χ^2/NDF:2005.2/2

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: 1155.031+/-0.419 χ^2/NDF: 2732.5/4

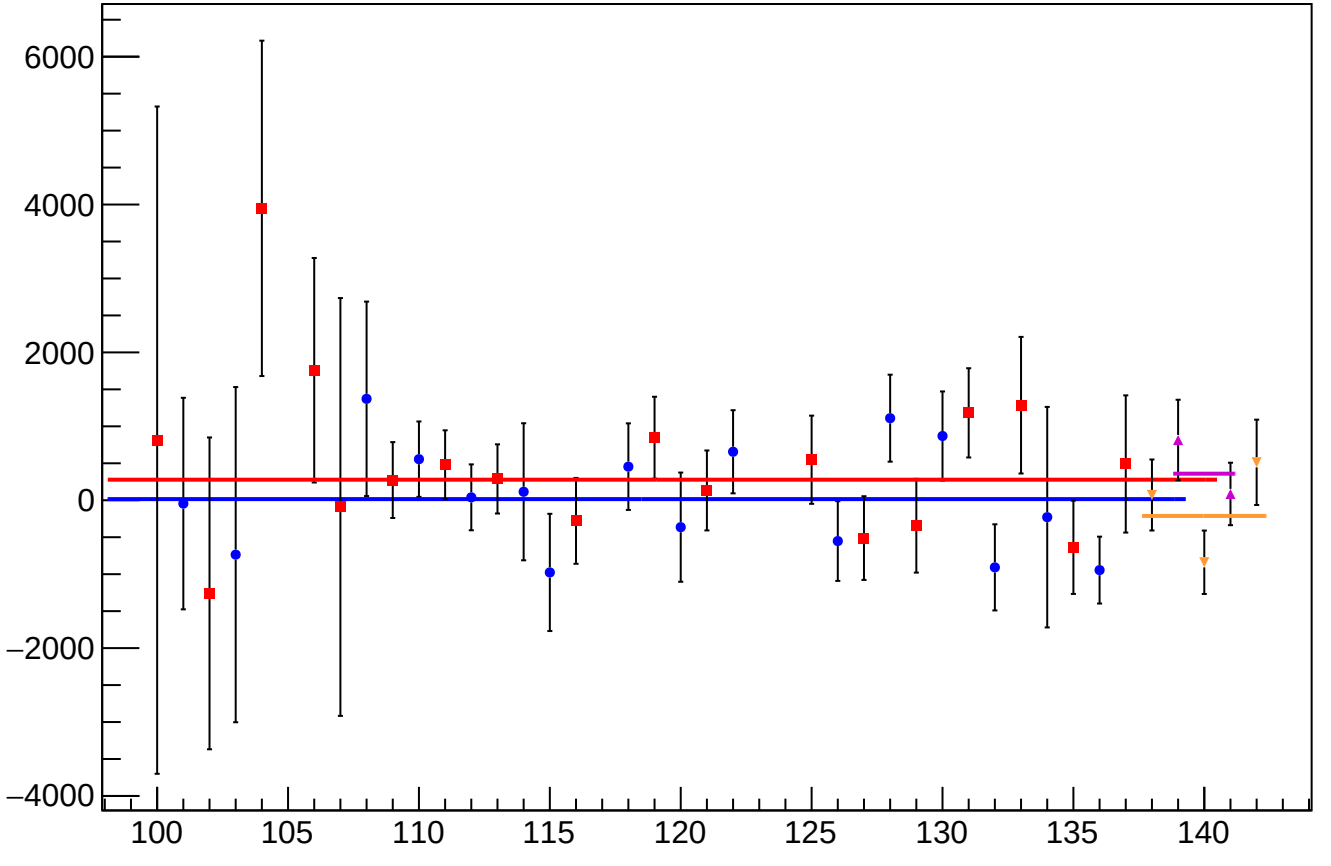
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1126.758+/-0.271 χ^2/NDF:619322.3/17

Out: 1139.617+/-0.269 χ^2/NDF:231035.3/20

All: 1133.243+/-0.191 χ^2/NDF: 851492.5/38

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -212.196+/-279.772 χ^2/NDF:4.1/2

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 359.434+/-333.826 χ^2/NDF:1.1/1

Left: 23.650+/-214.426 χ^2/NDF: 6.9/4

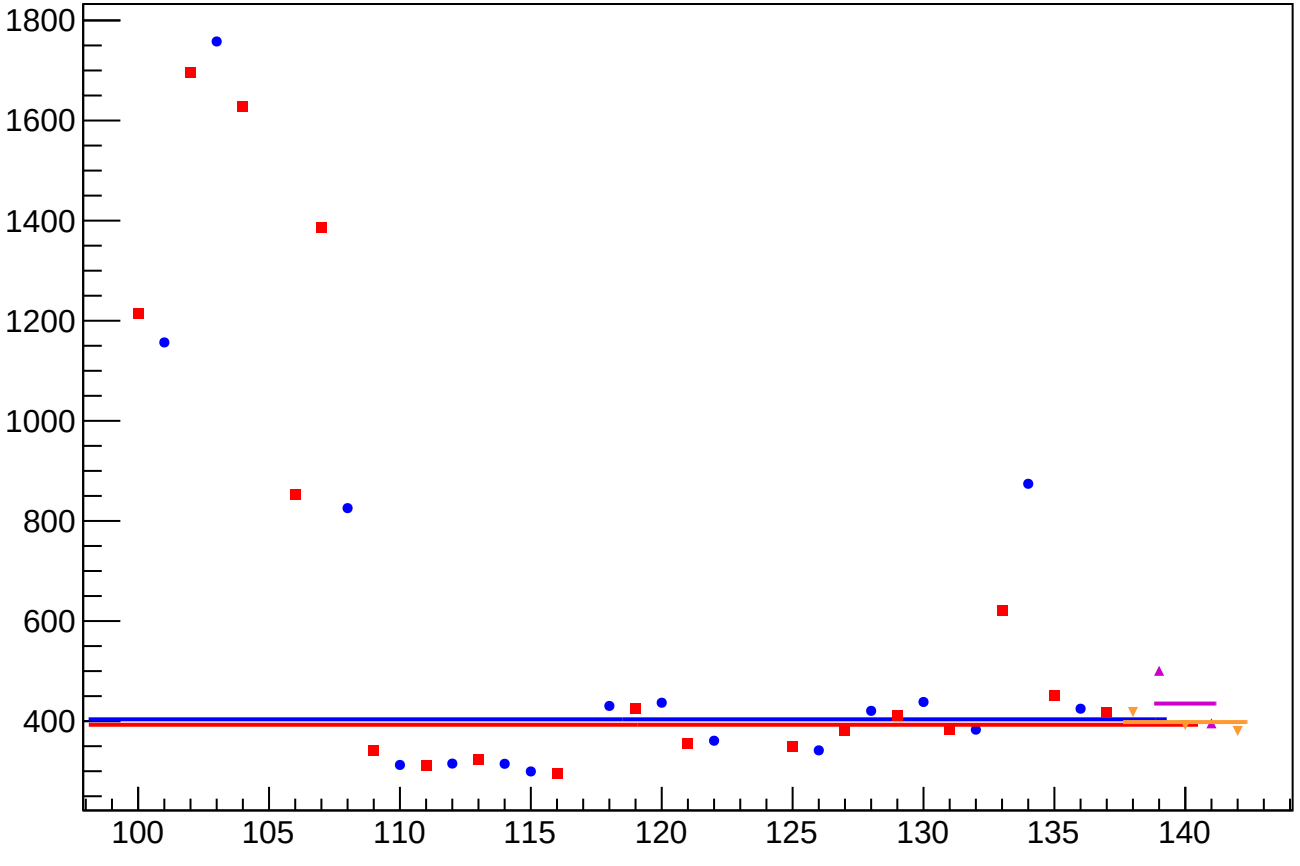
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 80.783+/-145.631 χ^2/NDF:21.6/17

Out: 158.712+/-138.121 χ^2/NDF:21.5/20

All: 121.809+/-100.216 χ^2/NDF: 43.2/38

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: 398.204+/-0.198 χ^2/NDF:5779.9/2

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 435.150+/-0.236 χ^2/NDF:46372.8/1

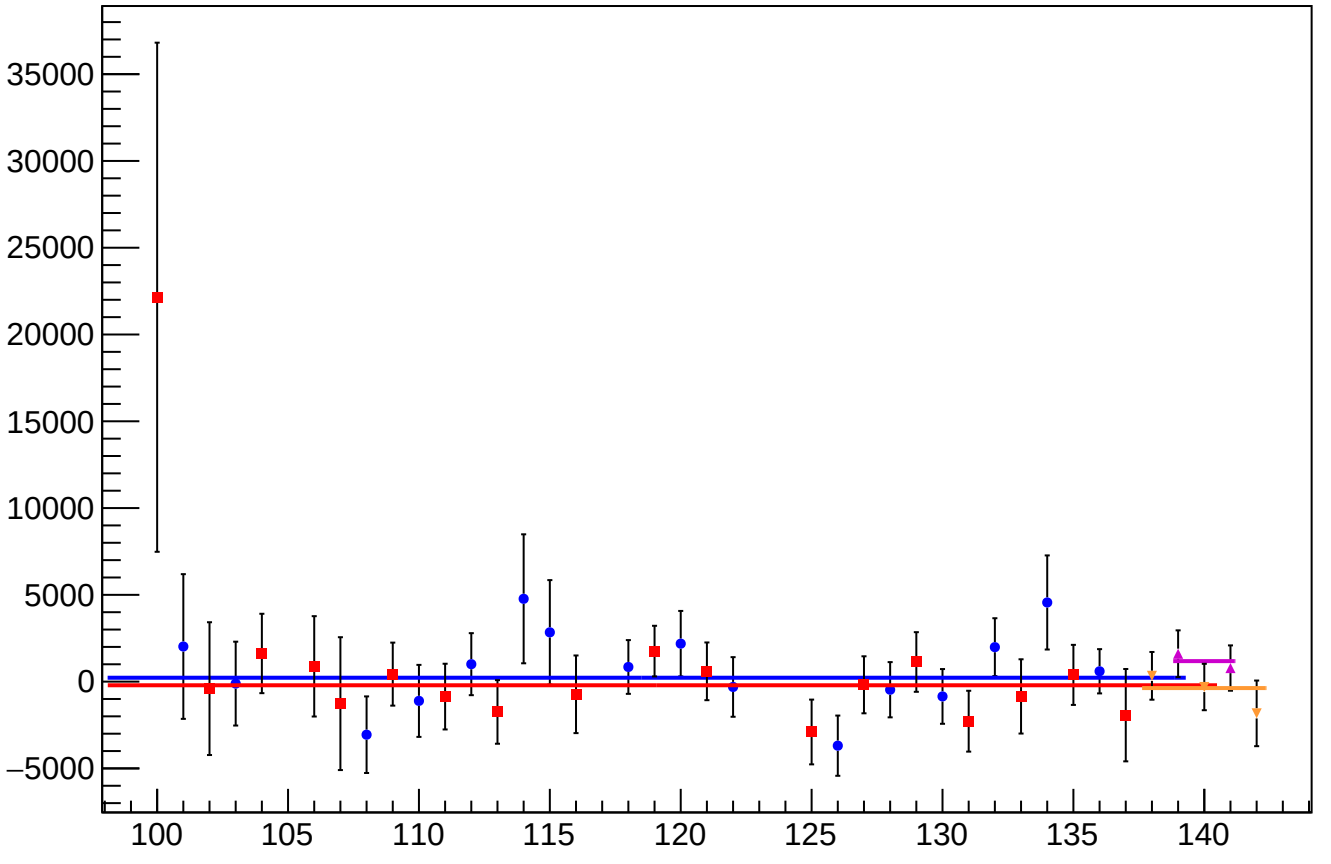
Left: 413.448+/-0.152 χ^2/NDF: 66542.9/4

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 409.647+/-0.103 χ^2/NDF:1990383.4/17

Out: 394.130+/-0.098 χ^2/NDF:2209803.4/20

All: 401.478+/-0.071 χ^2/NDF: 4212140.1/38



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -371.566+/-854.840 χ^2/NDF:0.9/2

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 1181.681+/-937.373 χ^2/NDF:0.2/1

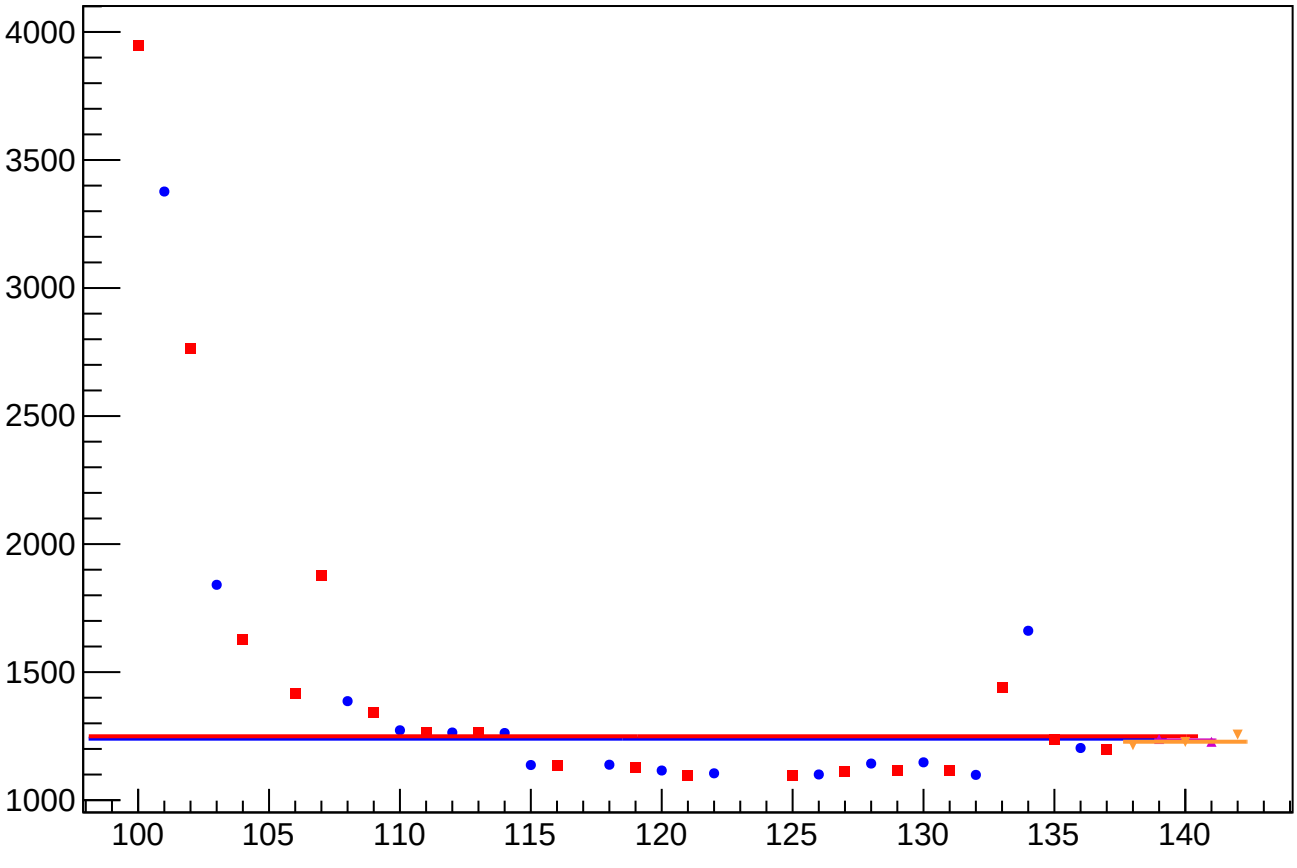
Left: 333.680+/-631.630 χ^2/NDF: 2.6/4

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 420.030+/-423.392 χ^2/NDF:17.1/17

Out: -248.272+/-417.086 χ^2/NDF:11.8/20

All: 80.865+/-297.129 χ^2/NDF: 30.3/38



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1228.207+/-0.604 χ^2/NDF:627.2/2

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1233.296+/-0.663 χ^2/NDF:66.3/1

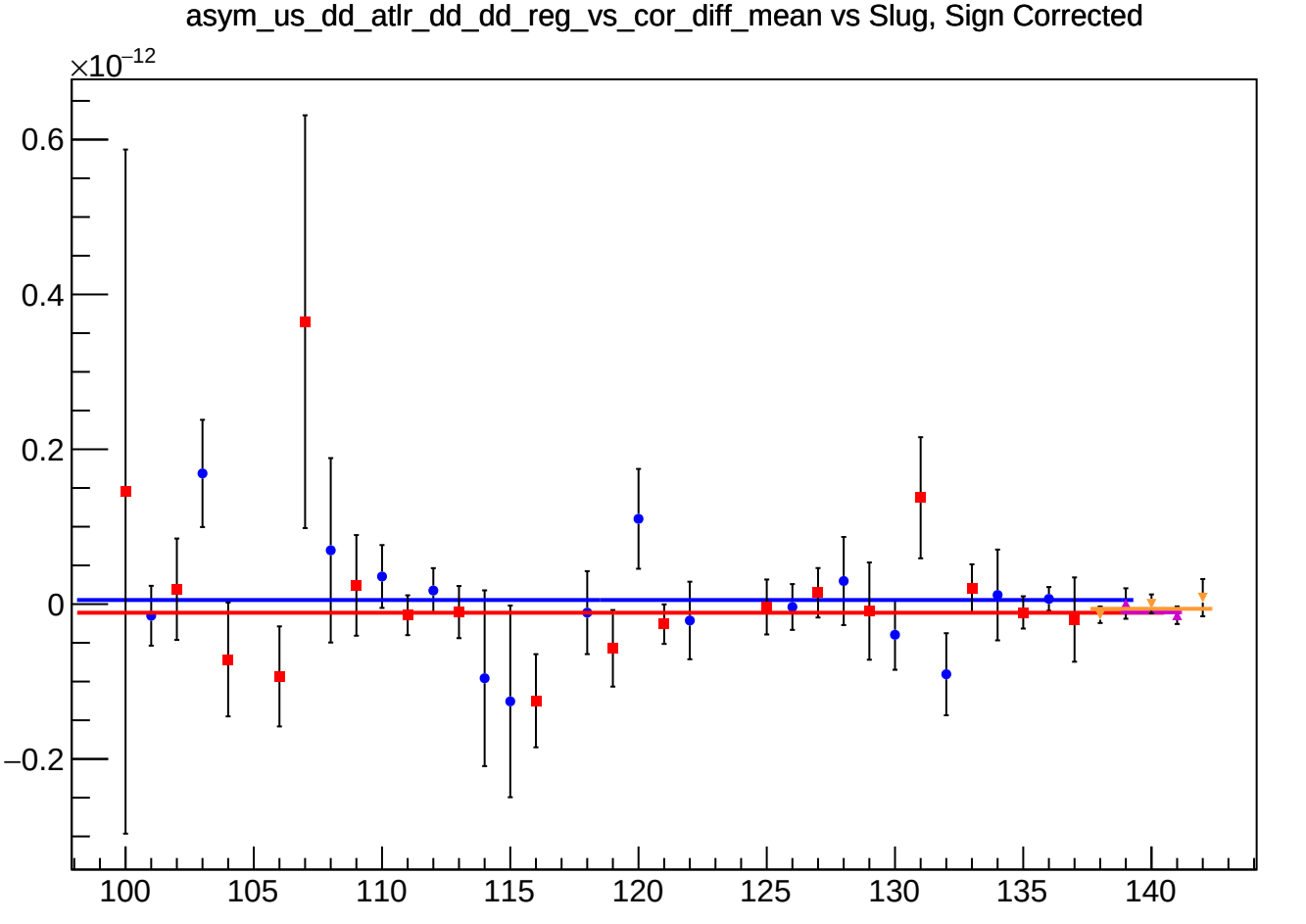
Left: 1230.518+/-0.447 χ^2/NDF: 725.7/4

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1238.744+/-0.299 χ^2/NDF:782830.9/17

Out: 1244.363+/-0.295 χ^2/NDF:607663.9/20

All: 1241.595+/-0.210 χ^2/NDF: 1390673.6/38



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/2

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: 1.7/4

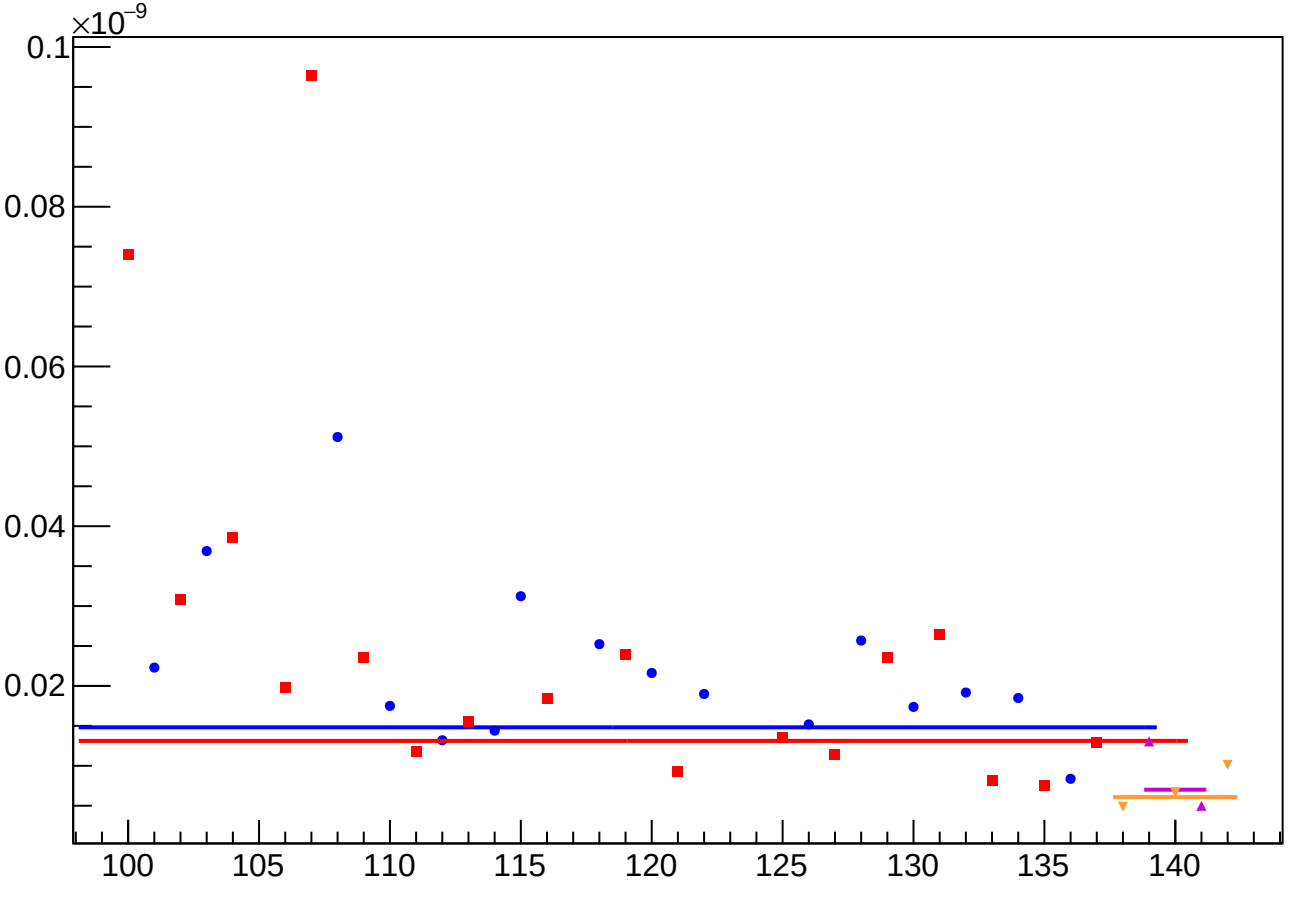
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:18.1/17

Out: -0.000+/-0.000 χ^2/NDF:16.4/20

All: -0.000+/-0.000 χ^2/NDF: 34.9/38

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:86096.8/2

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:252163.4/1

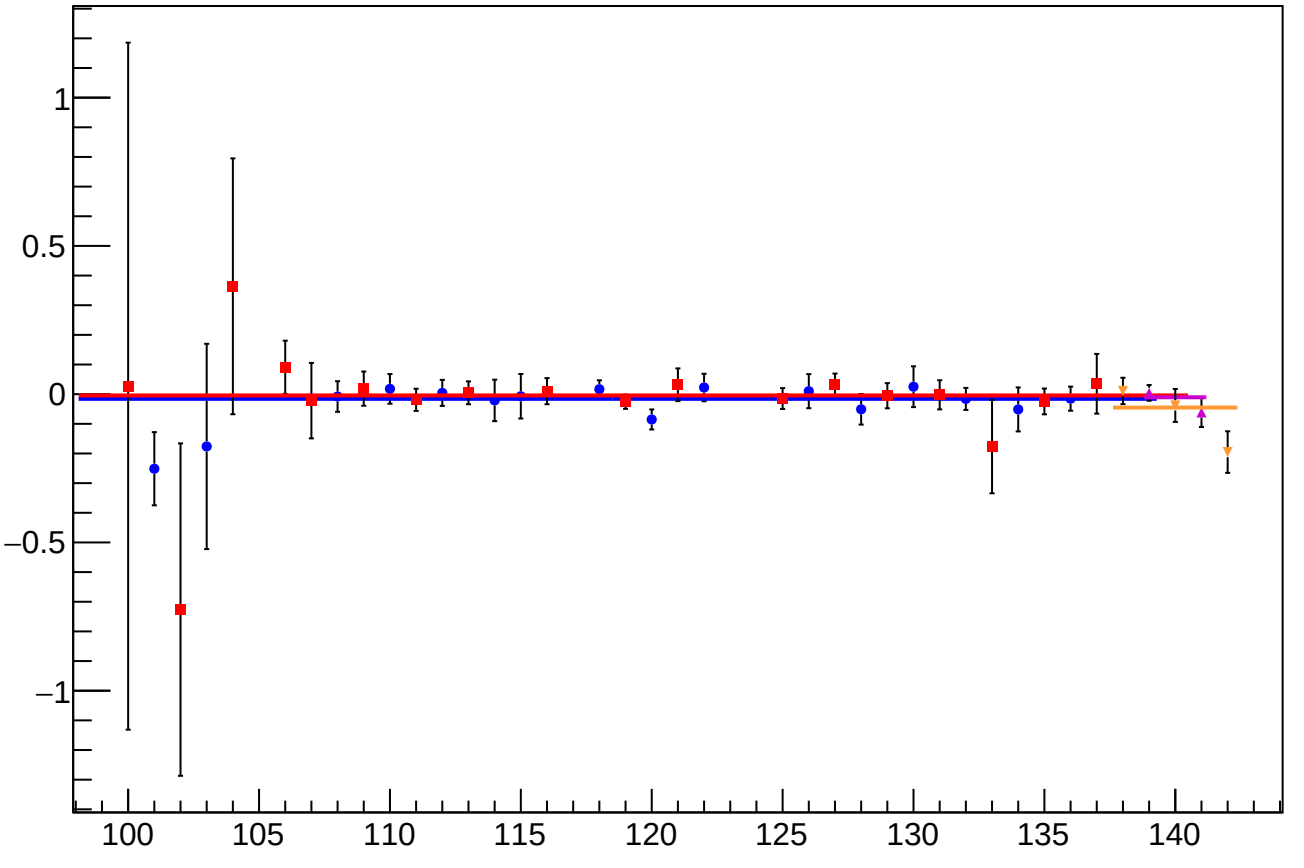
Left: 0.000+/-0.000 χ^2/NDF: 349396.2/4

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:1948676.9/20

All: 0.000+/-0.000 χ^2/NDF: 4033546.9/38



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

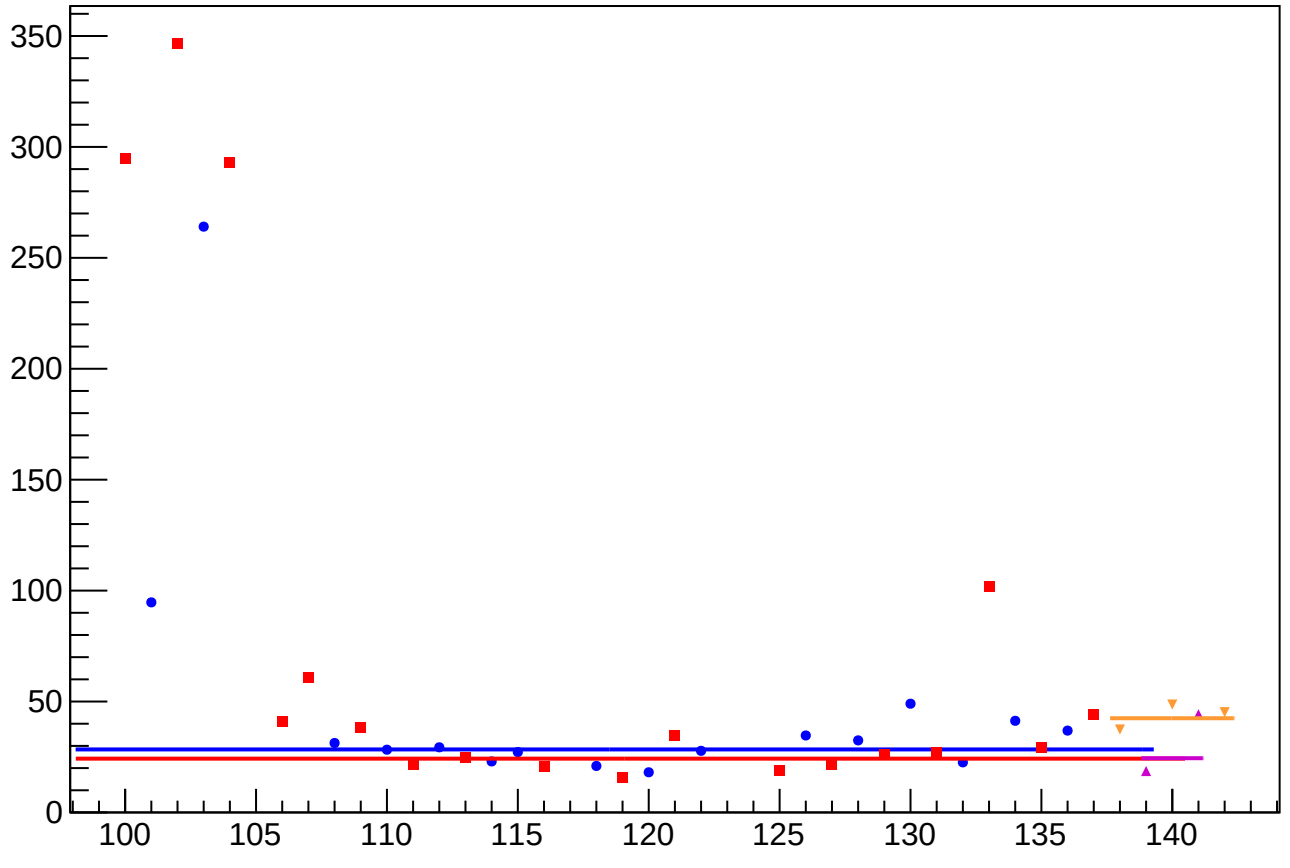
Left: -0.023+/-0.019 χ^2/NDF: 8.4/4

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.012+/-0.008 χ^2/NDF: 29.0/38



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 42.471+/-0.022 χ^2/NDF:53875.2/2

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 24.451+/-0.016 χ^2/NDF:421301.8/1

Left: 30.933+/-0.013 χ^2/NDF: 904850.5/4

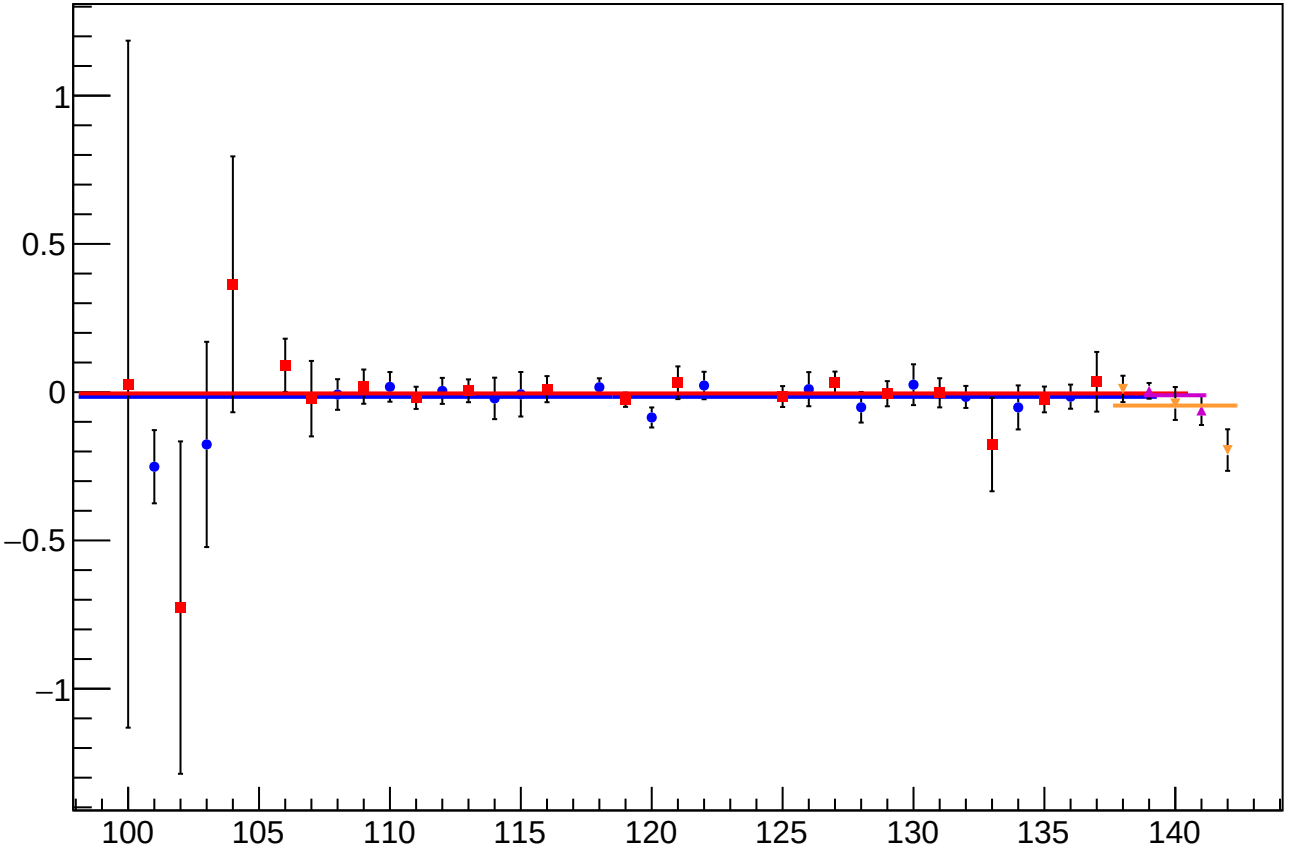
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 27.548+/-0.008 χ^2/NDF:2712068.5/17

Out: 26.425+/-0.008 χ^2/NDF:3571371.3/20

All: 26.979+/-0.005 χ^2/NDF: 6294242.5/38

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: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

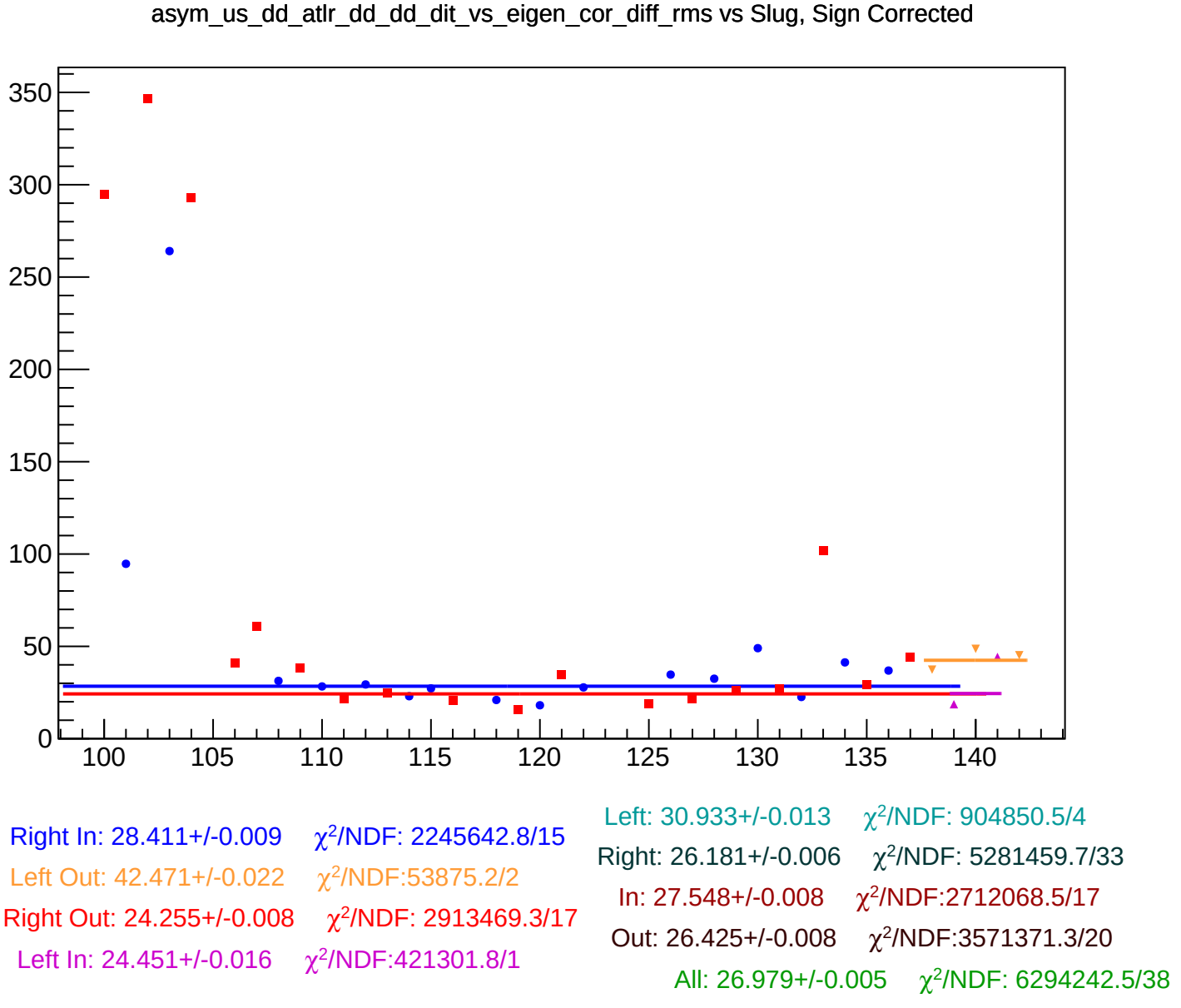
Left: -0.023+/-0.019 χ^2/NDF: 8.4/4

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

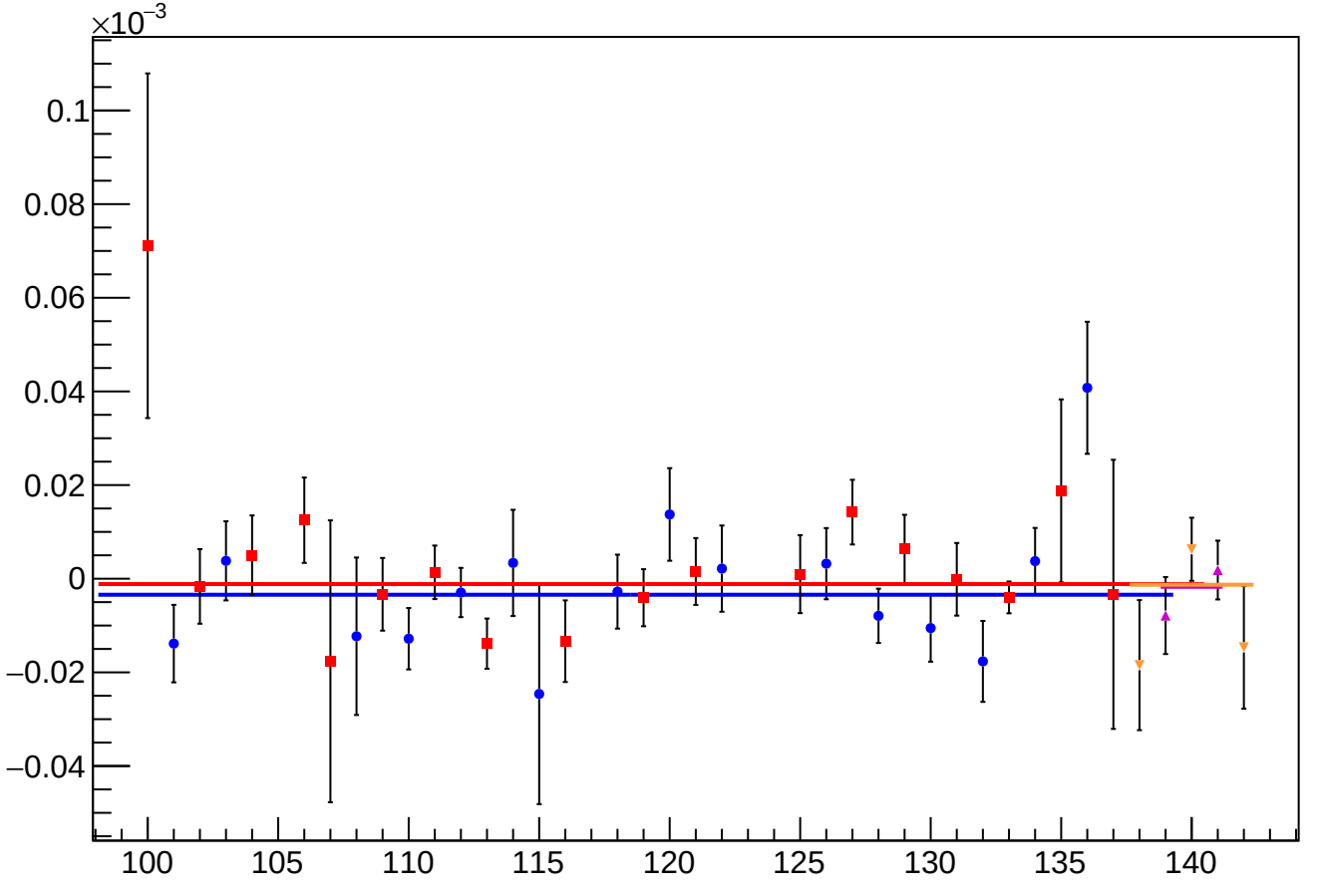
In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.012+/-0.008 χ^2/NDF: 29.0/38


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
100
105
110
115
120
125
130
135
140
Right In: 28.411+/-0.009 χ²/NDF: 2245642.8/15
Left Out: 42.471+/-0.022 χ²/NDF:53875.2/2
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 24.451+/-0.016 χ²/NDF:421301.8/1
Left: 30.933+/-0.013 χ²/NDF: 904850.5/4
Right: 26.181+/-0.006 χ²/NDF: 5281459.7/33
In: 27.548+/-0.008 χ²/NDF:2712068.5/17
Out: 26.425+/-0.008 χ²/NDF:3571371.3/20
All: 26.979+/-0.005 χ²/NDF: 6294242.5/38

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/2

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

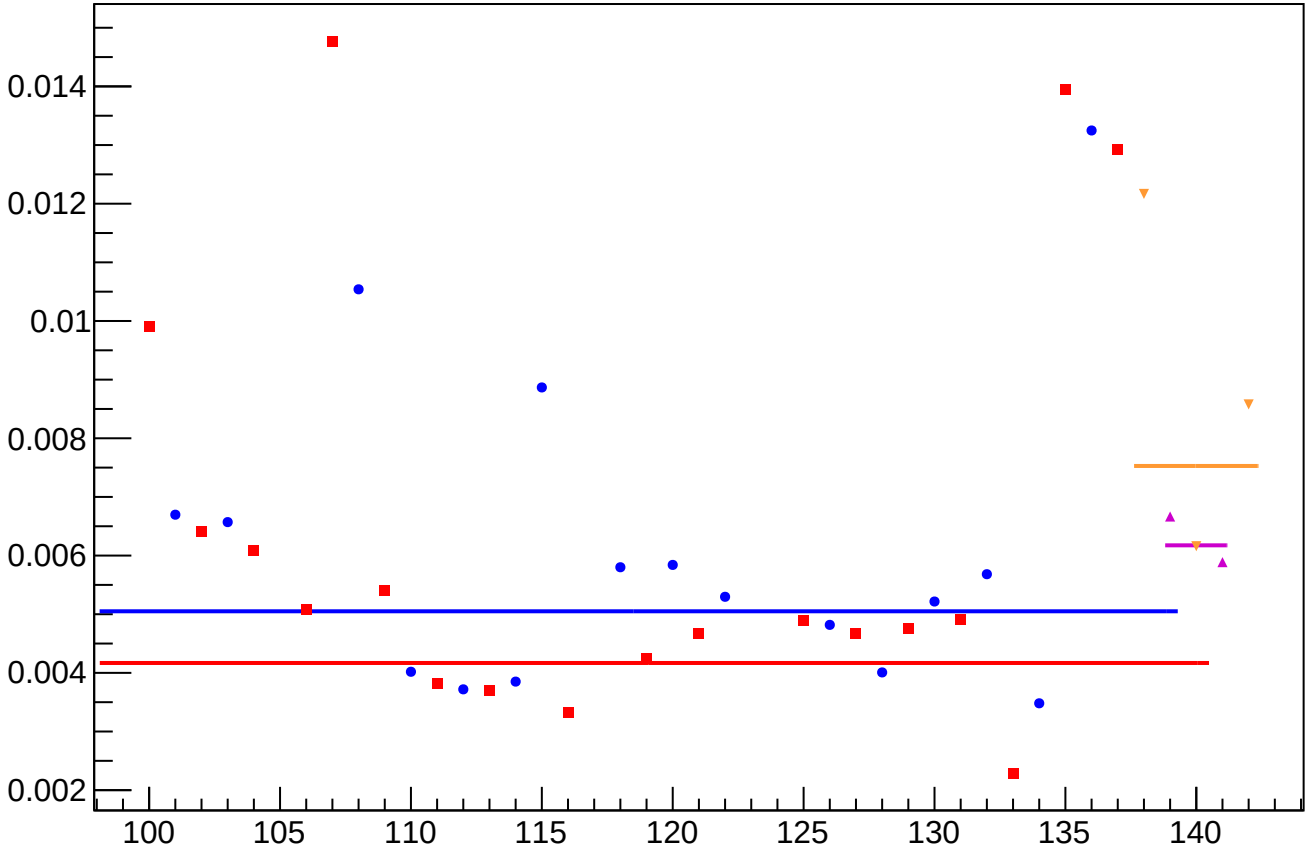
Left: -0.000+/-0.000 χ^2/NDF: 4.7/4

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:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 53.6/38



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:318527.0/2

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.006+/-0.000 χ^2/NDF:11314.8/1

Left: 0.007+/-0.000 χ^2/NDF: 396237.1/4

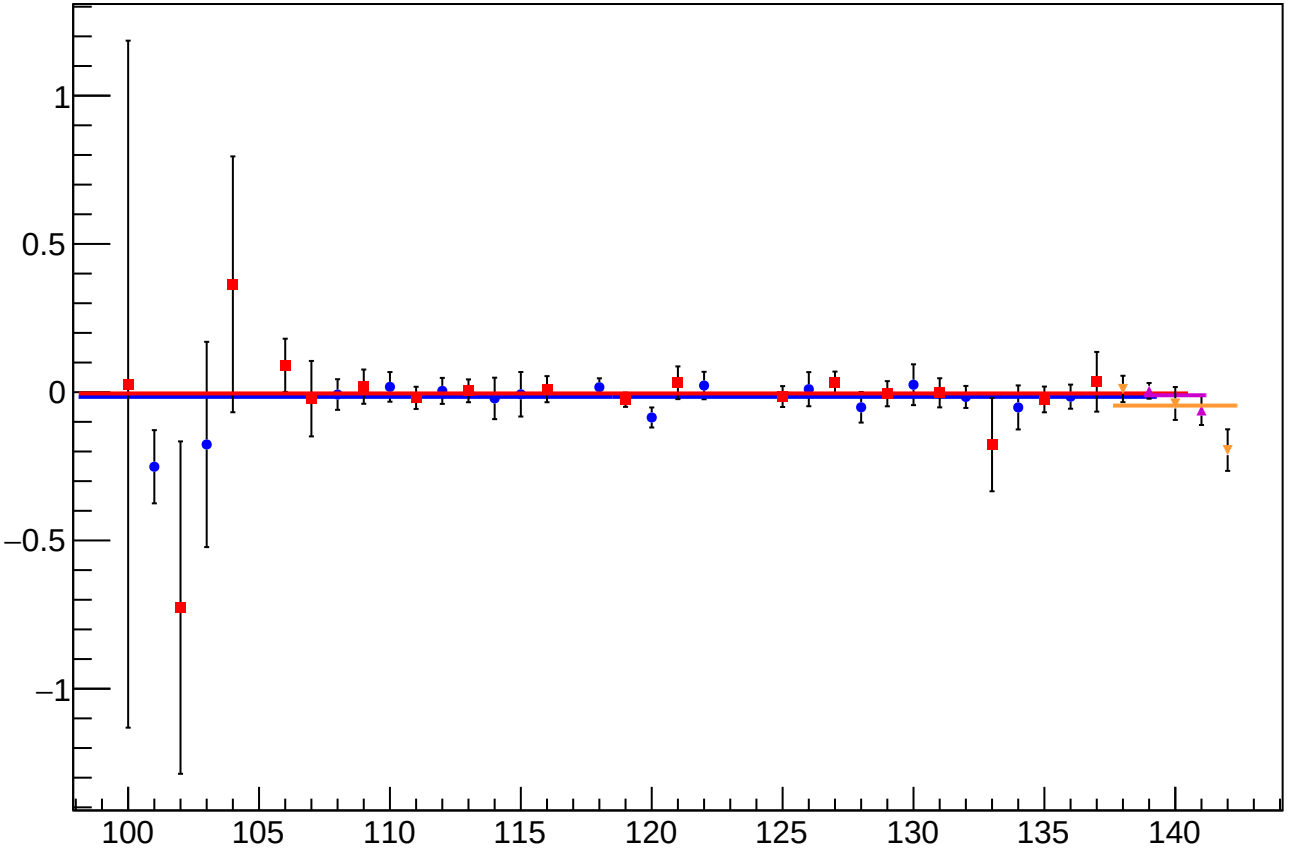
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:1592764.2/17

Out: 0.004+/-0.000 χ^2/NDF:3041214.4/20

All: 0.005+/-0.000 χ^2/NDF: 4815841.2/38

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

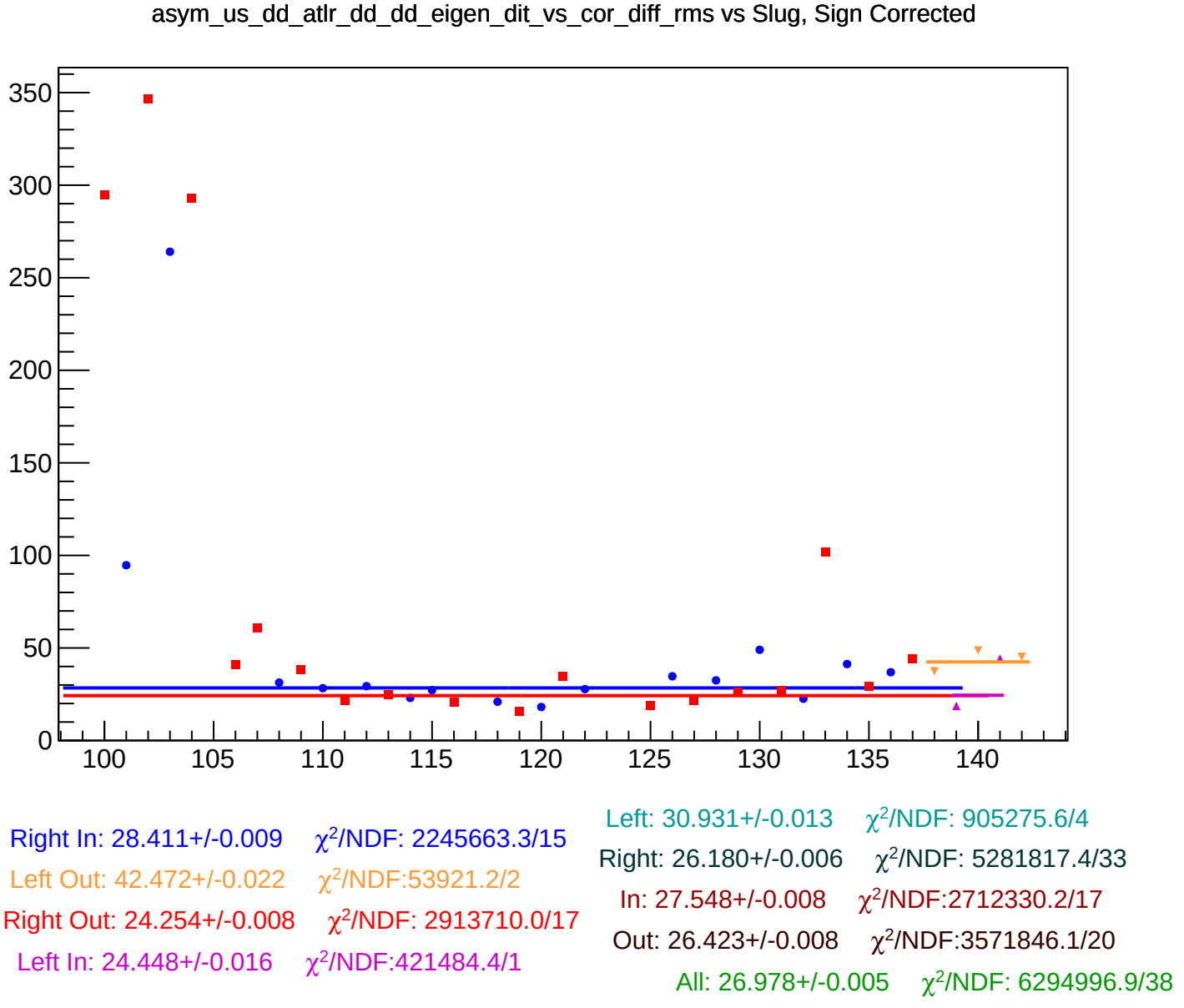
Left: -0.023+/-0.019 χ^2/NDF: 8.4/4

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

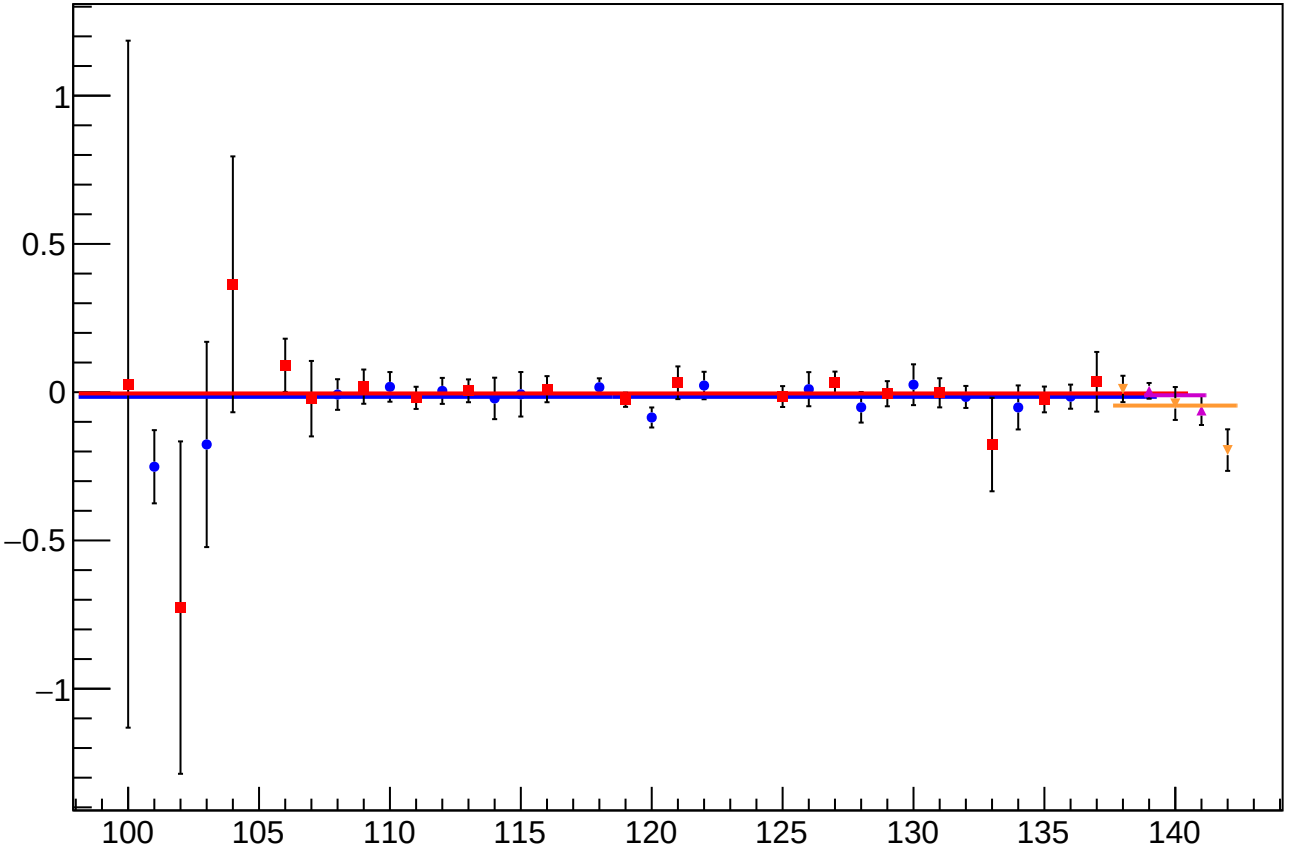
In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.012+/-0.008 χ^2/NDF: 29.0/38


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
100
105
110
115
120
125
130
135
140
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 42.472+/-0.022 χ²/NDF:53921.2/2
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 24.448+/-0.016 χ²/NDF:421484.4/1
Left: 30.931+/-0.013 χ²/NDF: 905275.6/4
Right: 26.180+/-0.006 χ²/NDF: 5281817.4/33
In: 27.548+/-0.008 χ²/NDF:2712330.2/17
Out: 26.423+/-0.008 χ²/NDF:3571846.1/20
All: 26.978+/-0.005 χ²/NDF: 6294996.9/38

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: -0.045+/-0.031 χ^2/NDF:6.2/2

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.010+/-0.023 χ^2/NDF:1.4/1

Left: -0.023+/-0.019 χ^2/NDF: 8.4/4

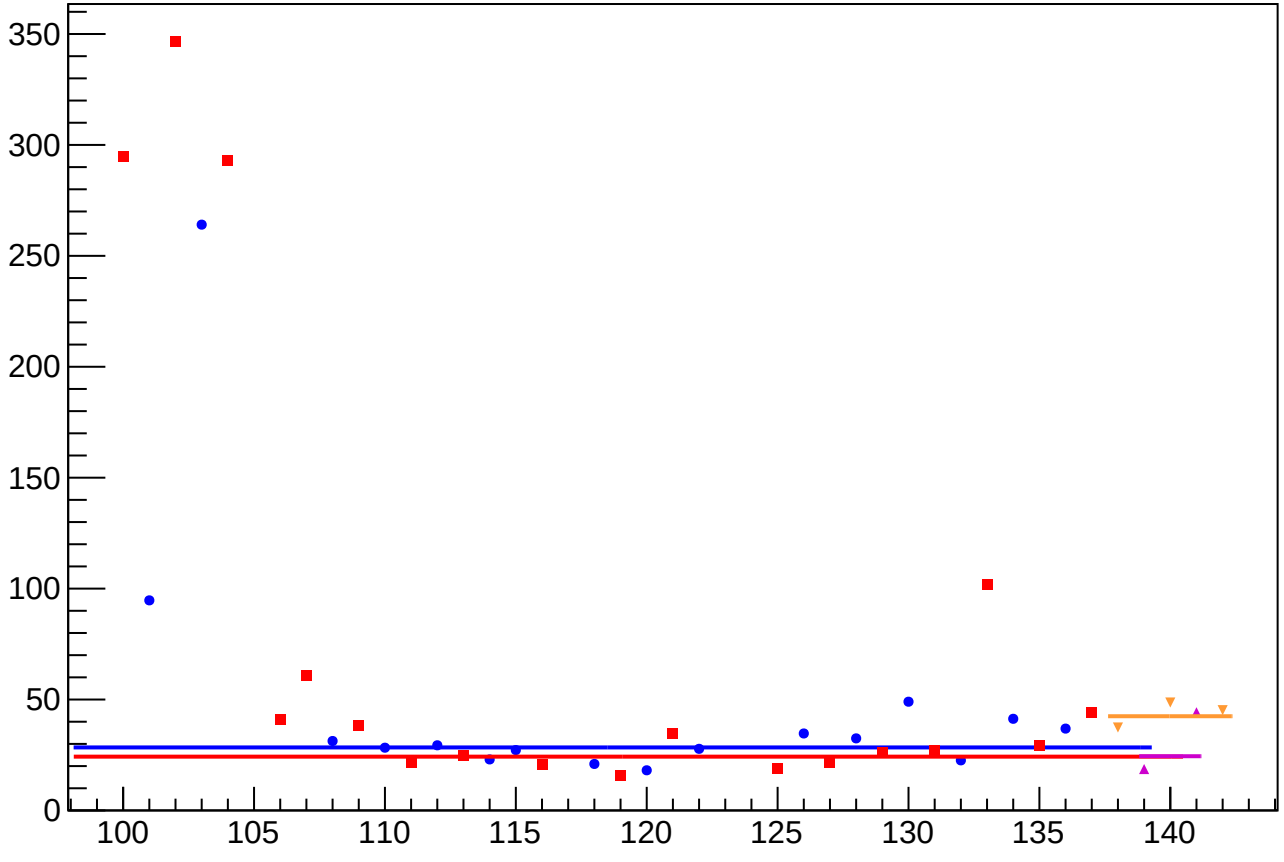
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.015+/-0.011 χ^2/NDF:13.3/17

Out: -0.009+/-0.011 χ^2/NDF:15.6/20

All: -0.012+/-0.008 χ^2/NDF: 29.0/38

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: 42.472+/-0.022 χ^2/NDF:53921.2/2

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 24.448+/-0.016 χ^2/NDF:421484.4/1

Left: 30.931+/-0.013 χ^2/NDF: 905275.6/4

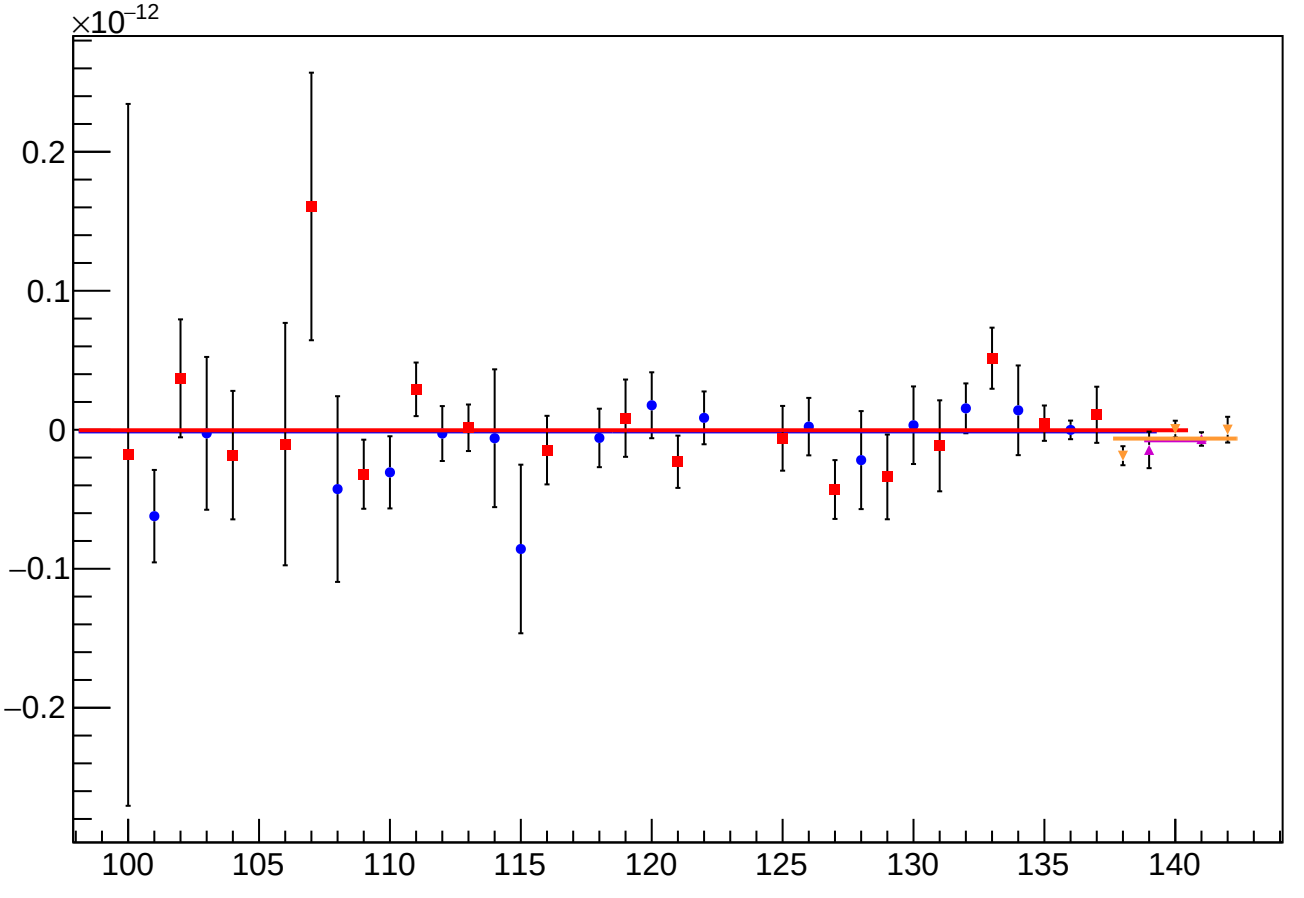
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 27.548+/-0.008 χ^2/NDF:2712330.2/17

Out: 26.423+/-0.008 χ^2/NDF:3571846.1/20

All: 26.978+/-0.005 χ^2/NDF: 6294996.9/38

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/2

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

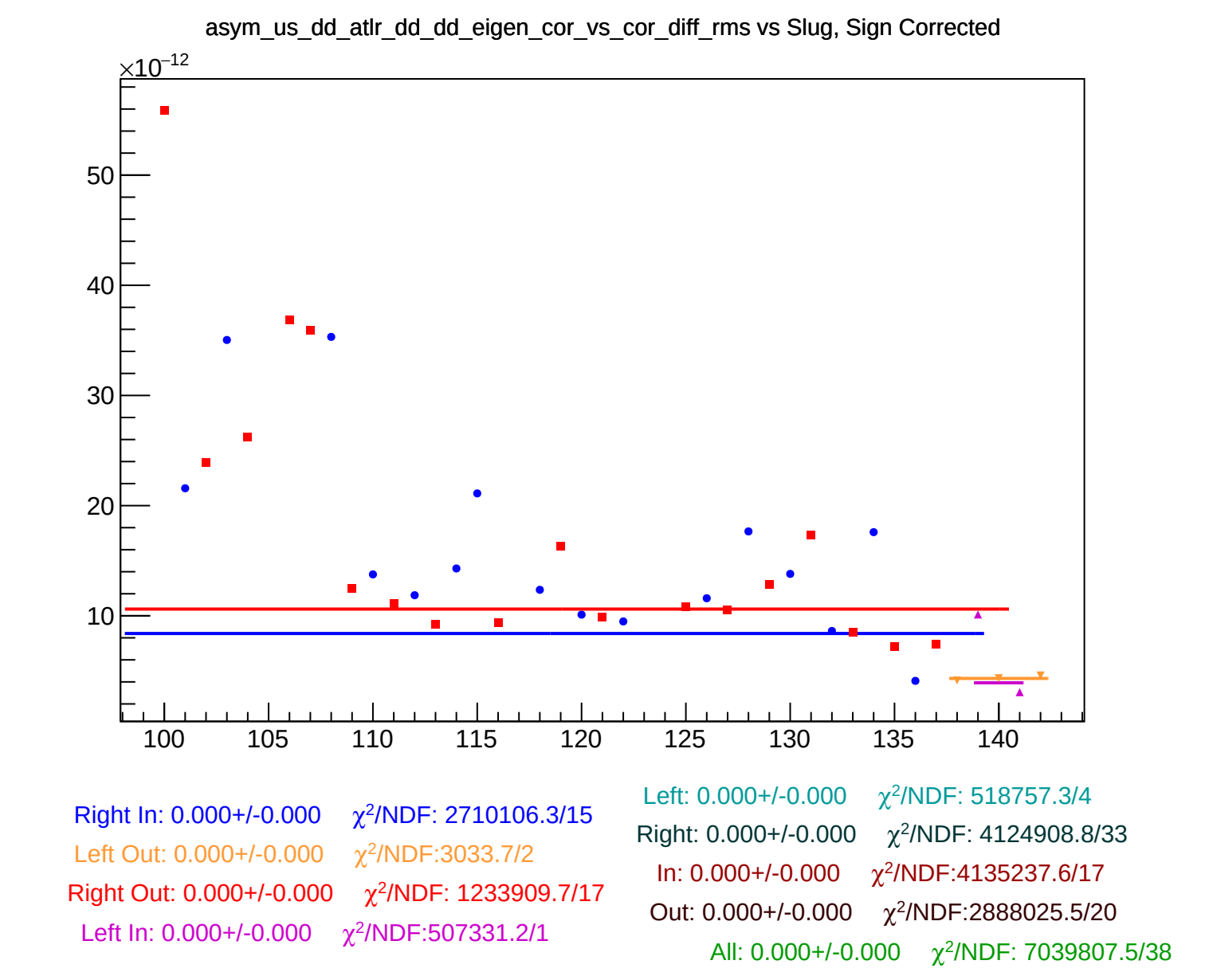
Left: -0.000+/-0.000 χ^2/NDF: 5.4/4

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

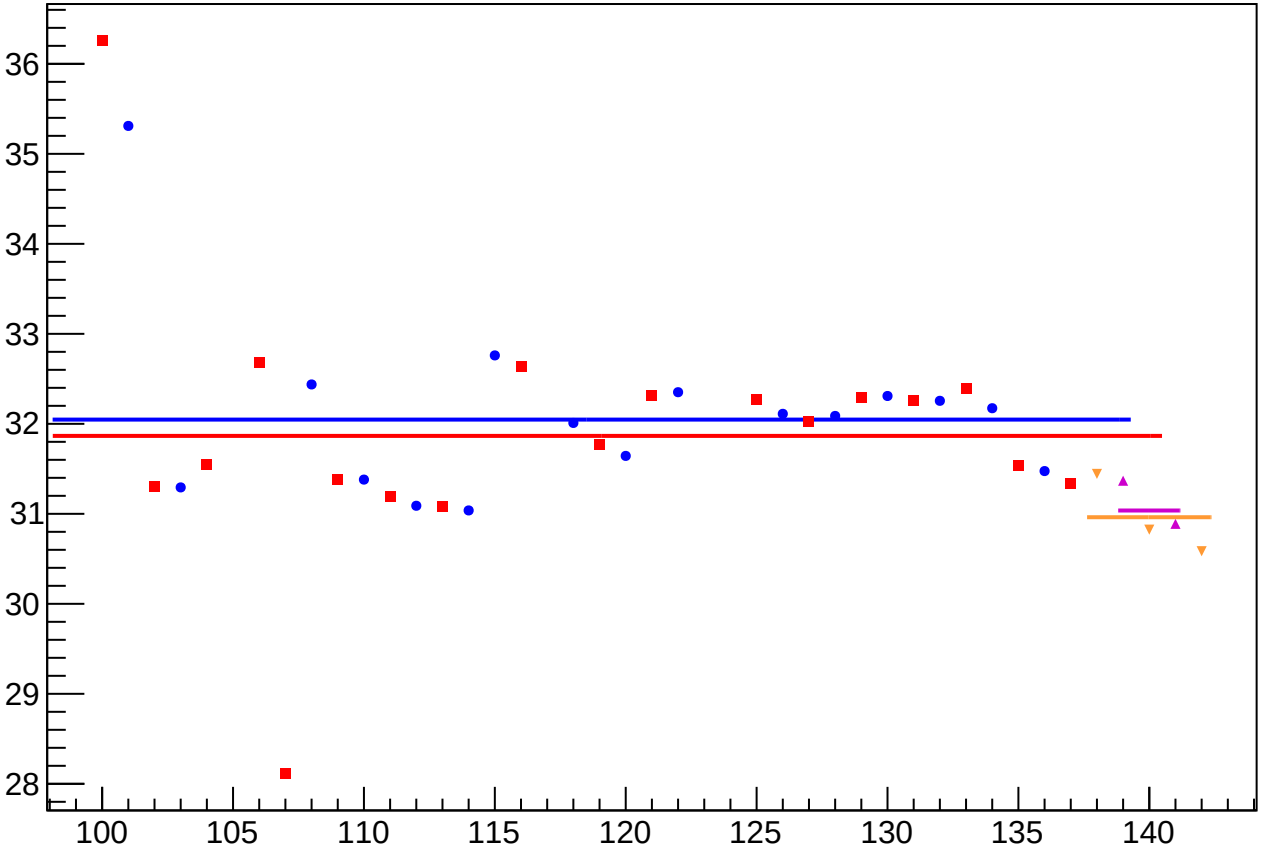
In: -0.000+/-0.000 χ^2/NDF:10.7/17

Out: -0.000+/-0.000 χ^2/NDF:26.8/20

All: -0.000+/-0.000 χ^2/NDF: 37.5/38


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
105
110
115
120
125
130
135
140
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3033.7/2
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:507331.2/1
Left: 0.000+/-0.000 χ²/NDF: 518757.3/4
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4135237.6/17
Out: 0.000+/-0.000 χ²/NDF:2888025.5/20
All: 0.000+/-0.000 χ²/NDF: 7039807.5/38

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.962+/-0.000 χ^2/NDF:25946324.0/2

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.037+/-0.000 χ^2/NDF:8330094.3/1

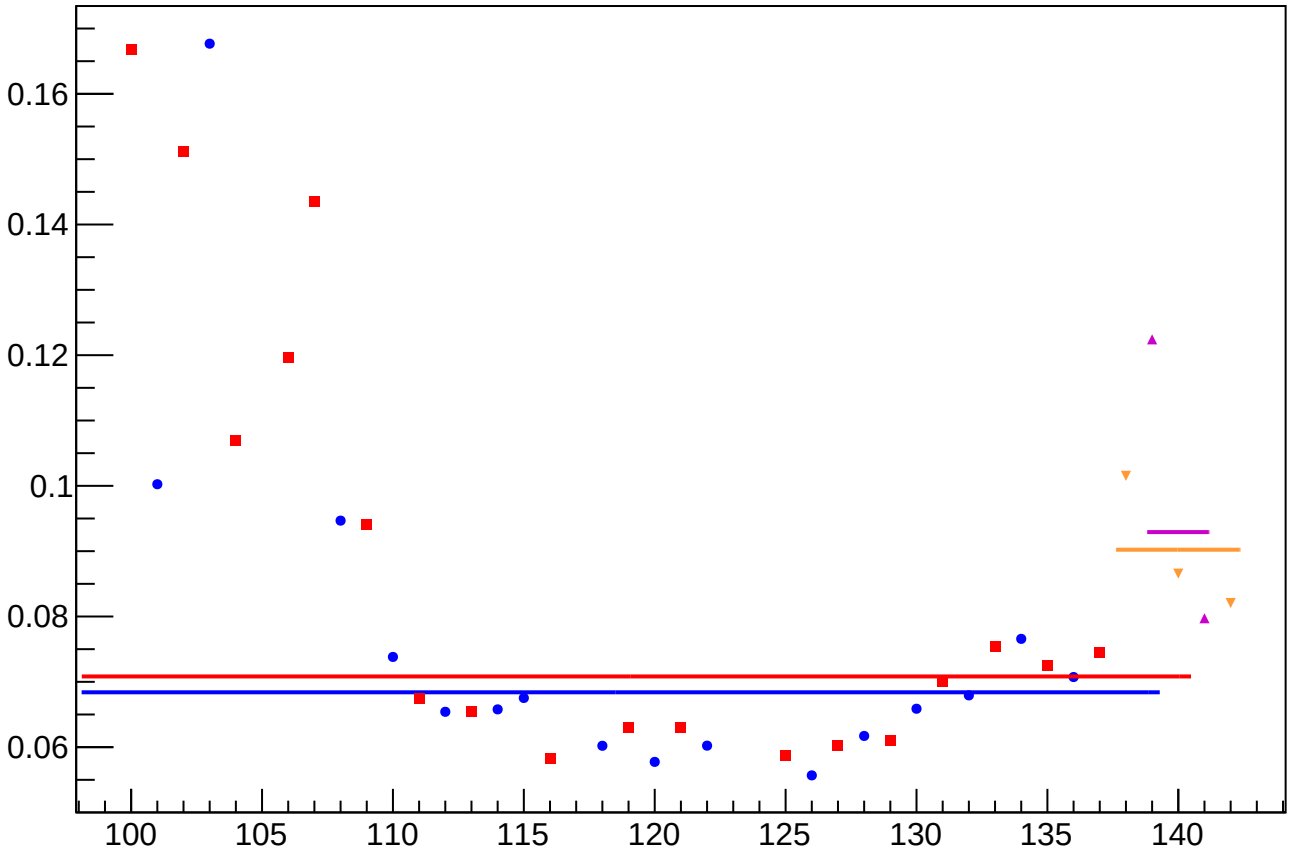
Left: 30.995+/-0.000 χ^2/NDF: 34811323.5/4

Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.933+/-0.000 χ^2/NDF:1060860702.6/17

Out: 31.730+/-0.000 χ^2/NDF:664143891.7/20

All: 31.833+/-0.000 χ^2/NDF: 1755561691.1/3



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.090+/-0.000 χ^2/NDF:27831.8/2

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: 0.091+/-0.000 χ^2/NDF: 161534.0/4

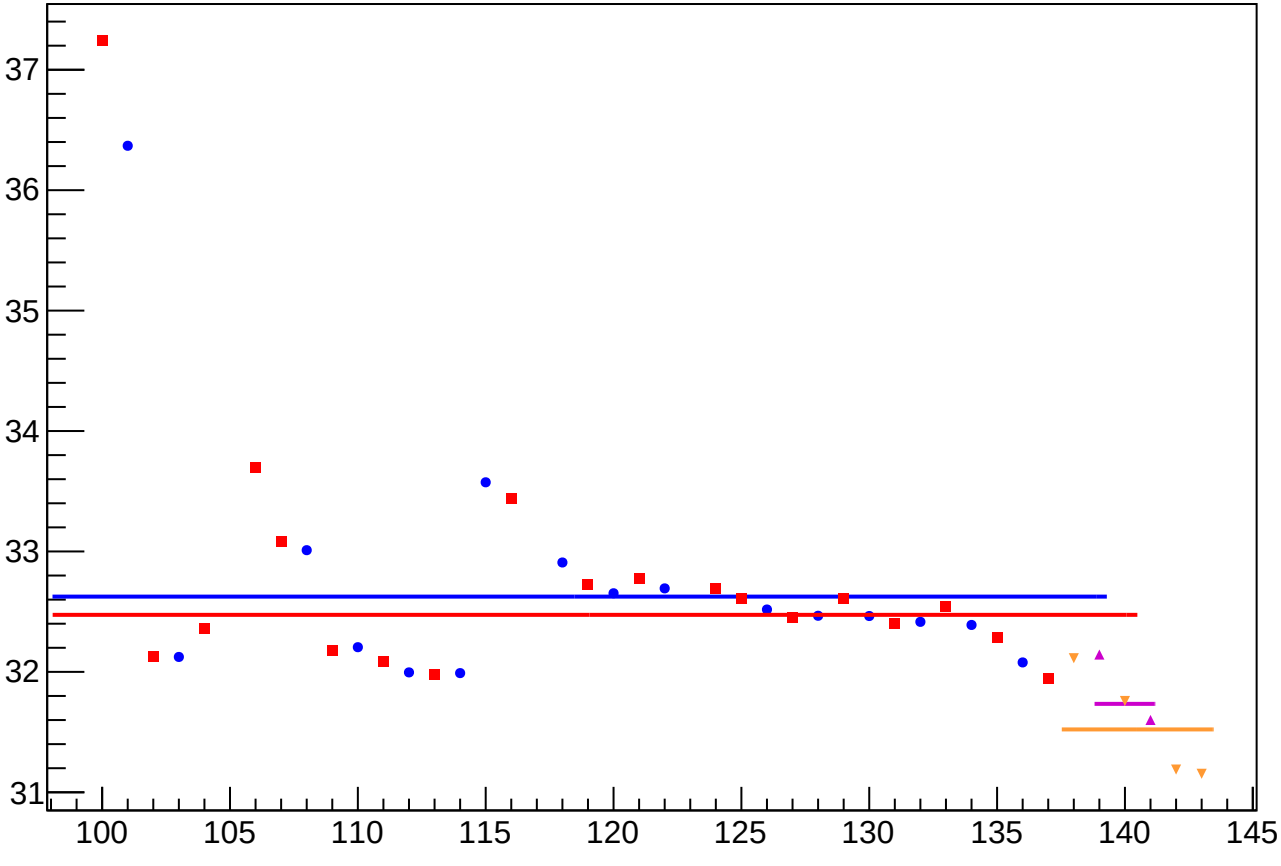
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.071+/-0.000 χ^2/NDF:1016935.0/17

Out: 0.074+/-0.000 χ^2/NDF:1036350.2/20

All: 0.072+/-0.000 χ^2/NDF: 2063117.4/38

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.522+/-0.000 χ^2/NDF:55297577.8/3

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: 31.595+/-0.000 χ^2/NDF: 71699324.1/5

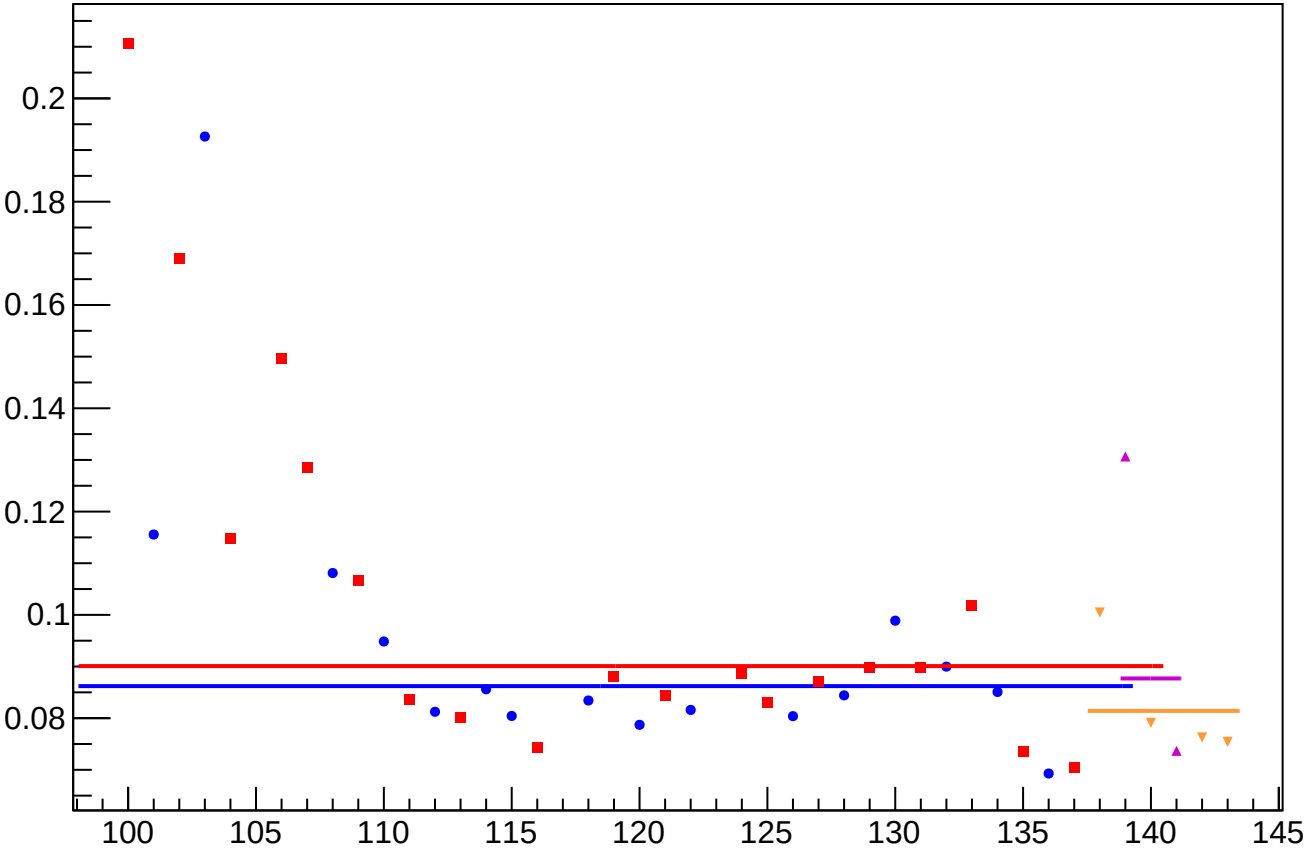
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.458+/-0.000 χ^2/NDF:875199461.0/17

Out: 32.169+/-0.000 χ^2/NDF:442089507.0/22

All: 32.305+/-0.000 χ^2/NDF: 1363259547.6/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.081+/-0.000 χ^2/NDF:65094.1/3

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: 0.084+/-0.000 χ^2/NDF: 309554.5/5

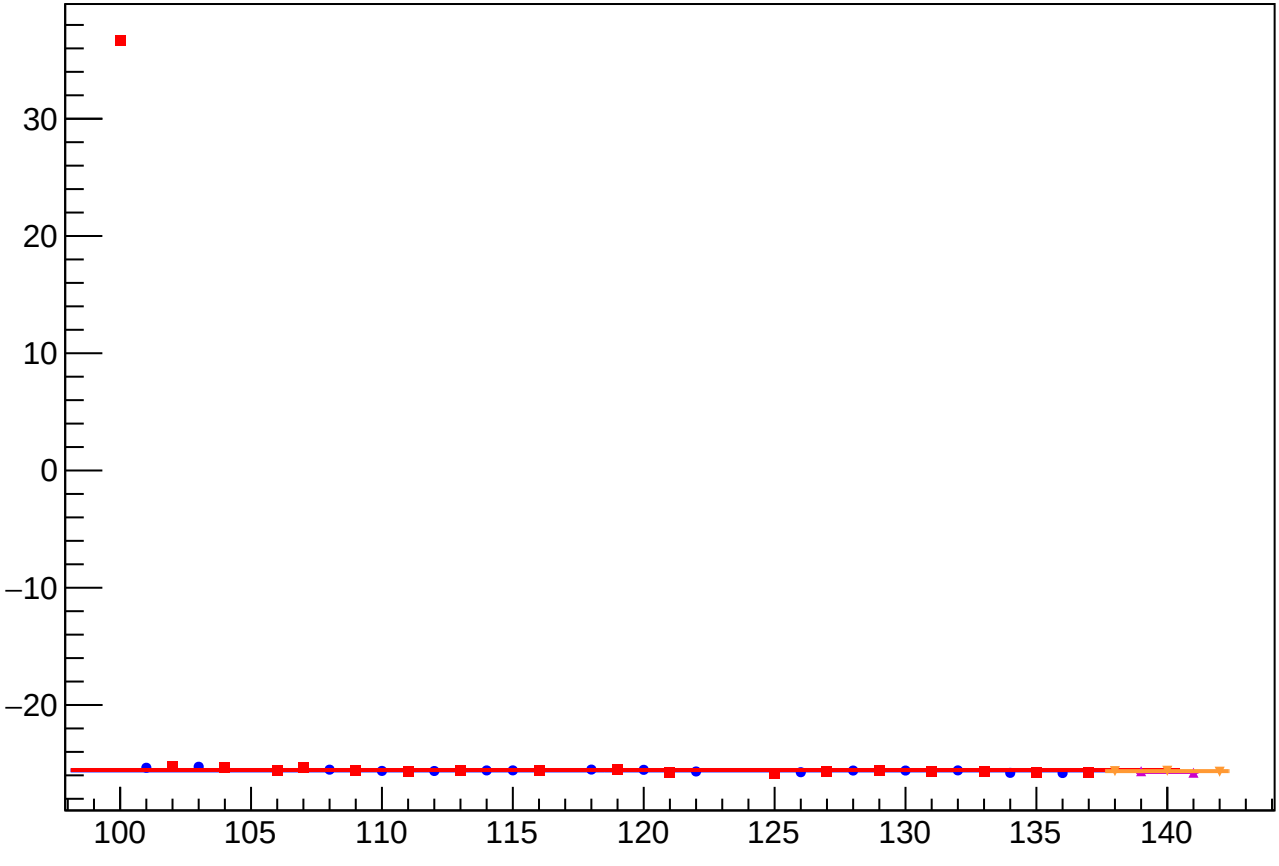
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.086+/-0.000 χ^2/NDF:833786.2/17

Out: 0.087+/-0.000 χ^2/NDF:725168.4/22

All: 0.087+/-0.000 χ^2/NDF: 1559702.9/40

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.640+/-0.000 χ^2/NDF:1004891.1/2

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.713+/-0.000 χ^2/NDF:3534861.2/1

Left: -25.672+/-0.000 χ^2/NDF: 7058752.9/4

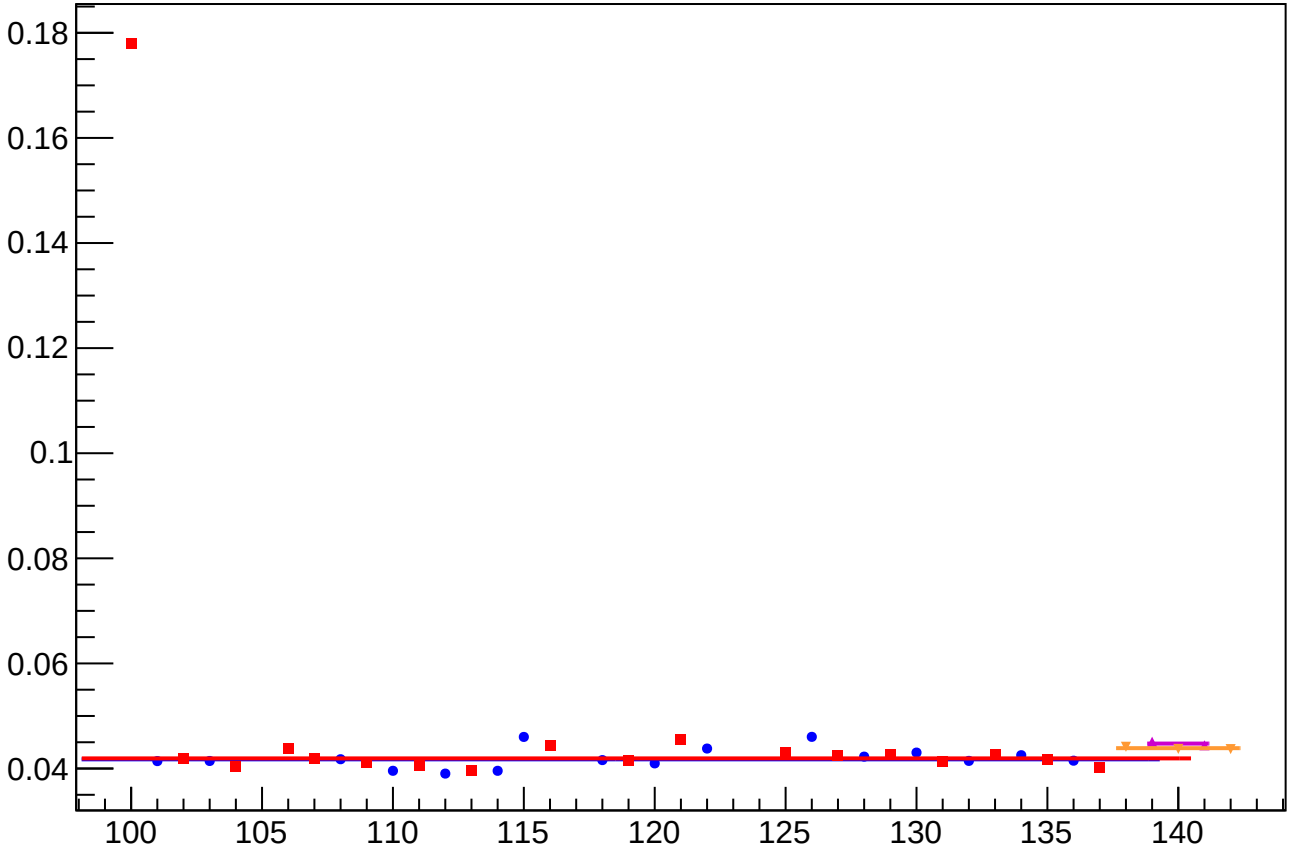
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.602+/-0.000 χ^2/NDF:114509907.3/17

Out: -25.563+/-0.000 χ^2/NDF:8916262159.8/20

All: -25.582+/-0.000 χ^2/NDF: 9034539118.6/

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:87.8/2

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:198.8/1

Left: 0.044+/-0.000 χ^2/NDF: 1004.7/4

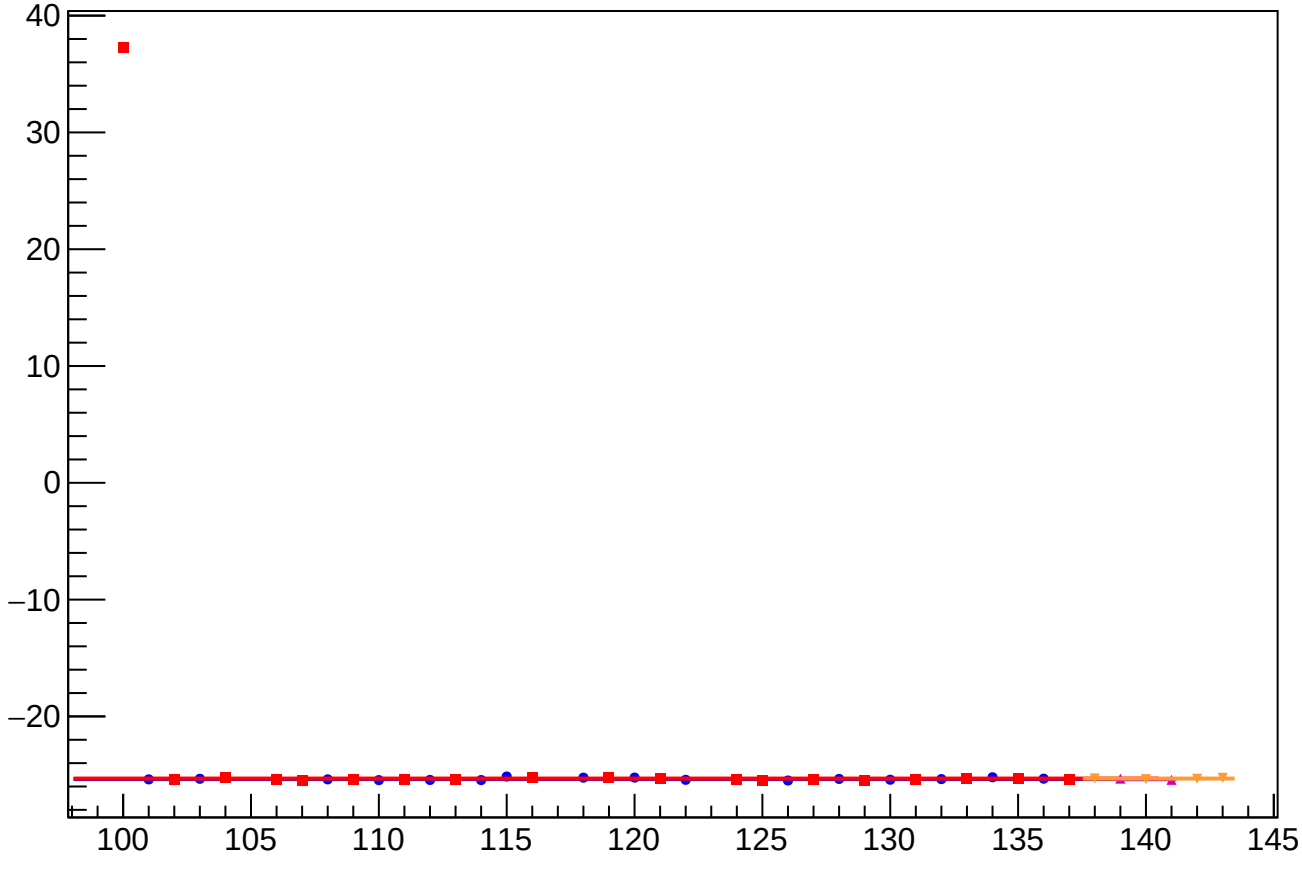
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:33623.8/17

Out: 0.042+/-0.000 χ^2/NDF:106614.7/20

All: 0.042+/-0.000 χ^2/NDF: 140259.1/38

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.320+/-0.000 χ^2/NDF:1637382.9/3

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.374+/-0.000 χ^2/NDF:1260403.8/1

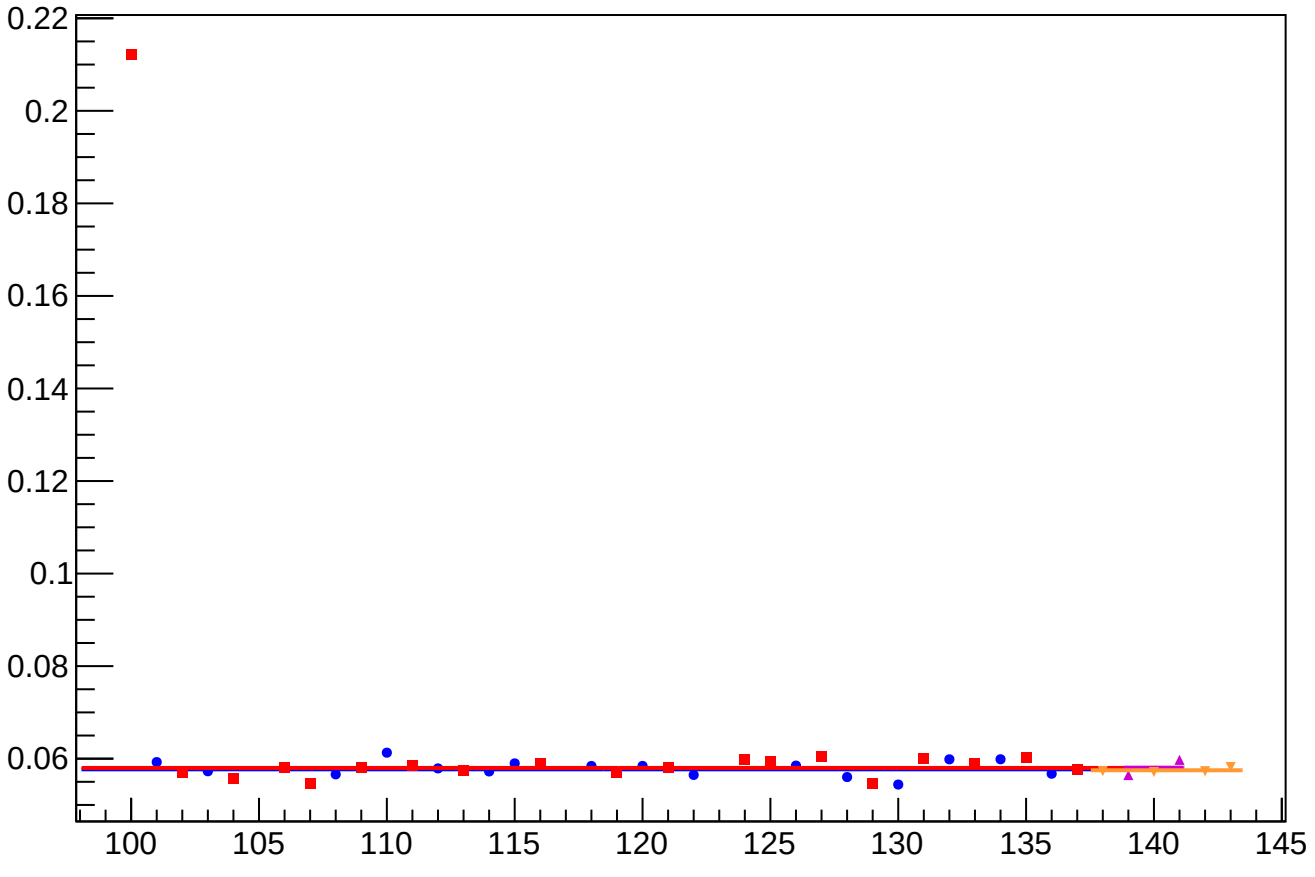
Left: -25.340+/-0.000 χ^2/NDF: 3800933.5/5

Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.363+/-0.000 χ^2/NDF:14620457.4/17

Out: -25.322+/-0.000 χ^2/NDF:6316546682.2/22

All: -25.341+/-0.000 χ^2/NDF: 6333540199.7/



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:318.2/3

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:2665.7/1

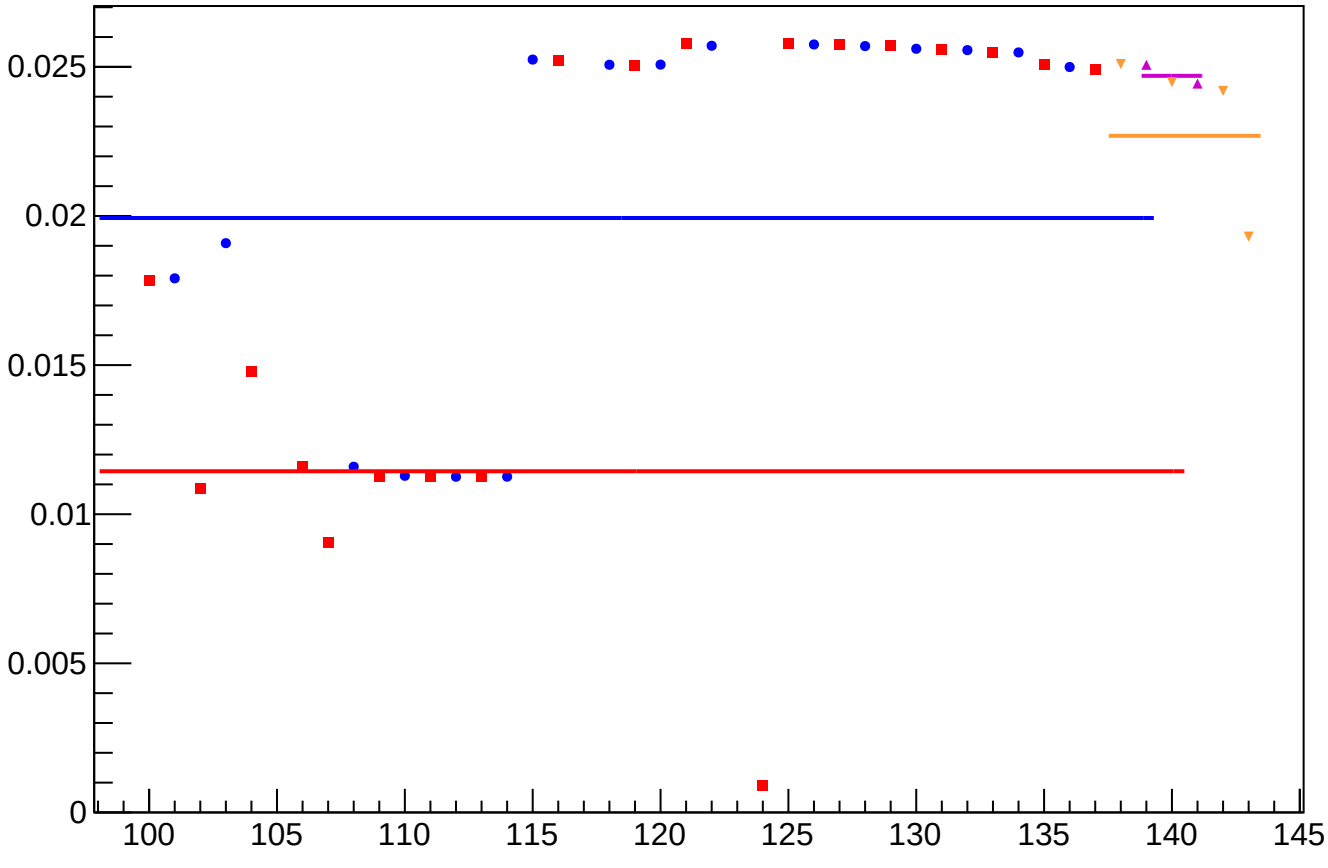
Left: 0.058+/-0.000 χ^2/NDF: 3173.7/5

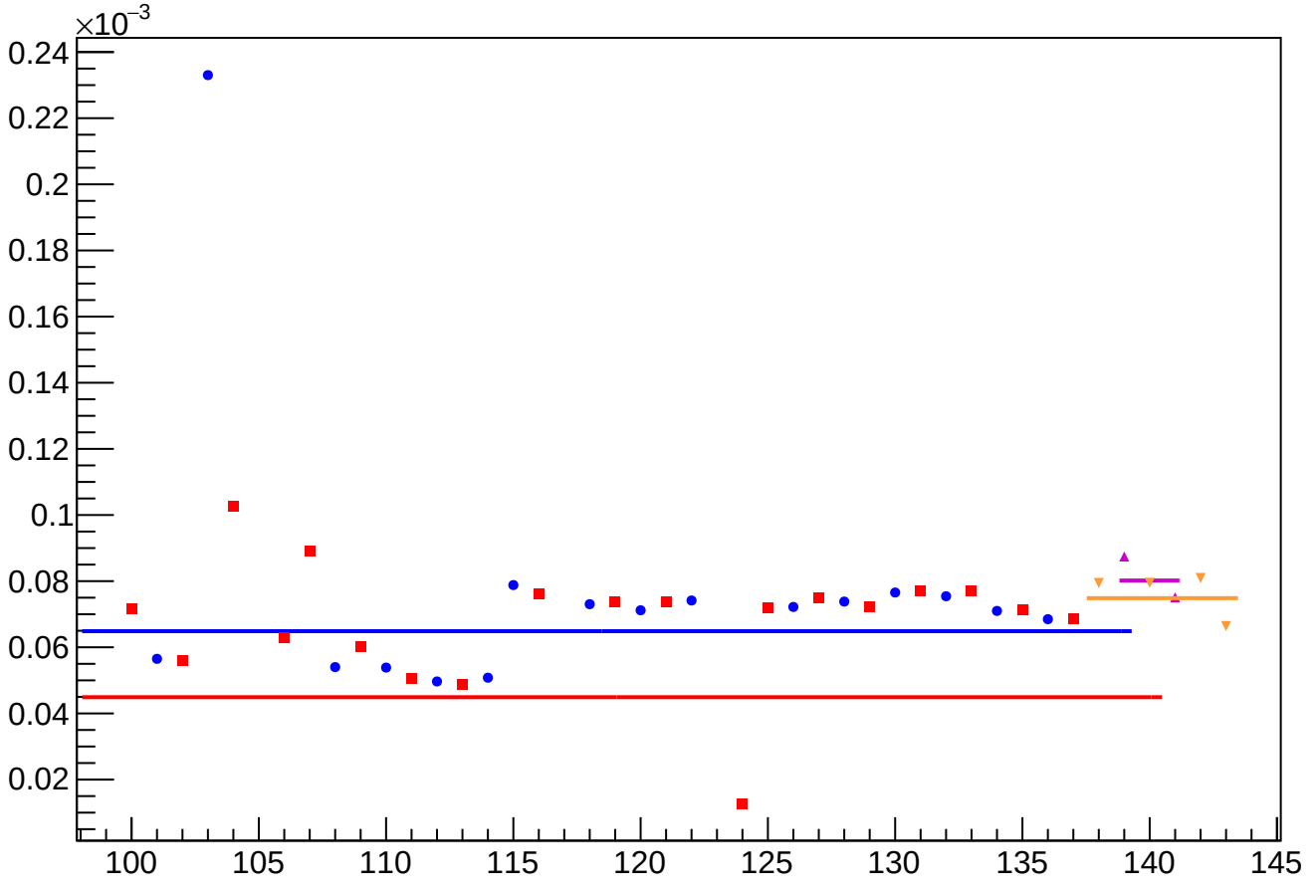
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14525.2/17

Out: 0.058+/-0.000 χ^2/NDF:89306.1/22

All: 0.058+/-0.000 χ^2/NDF: 103853.3/40


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.023+/-0.000 χ²/NDF:3283544502.3/3
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:24524695.0/1
Left: 0.023+/-0.000 χ²/NDF: 3985683829.4/5
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.021+/-0.000 χ²/NDF:67477323473.4/17
Out: 0.013+/-0.000 χ²/NDF:308644915330.7/22
All: 0.016+/-0.000 χ²/NDF: 437200210913.7



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:40545.3/3

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: 68981.5/5

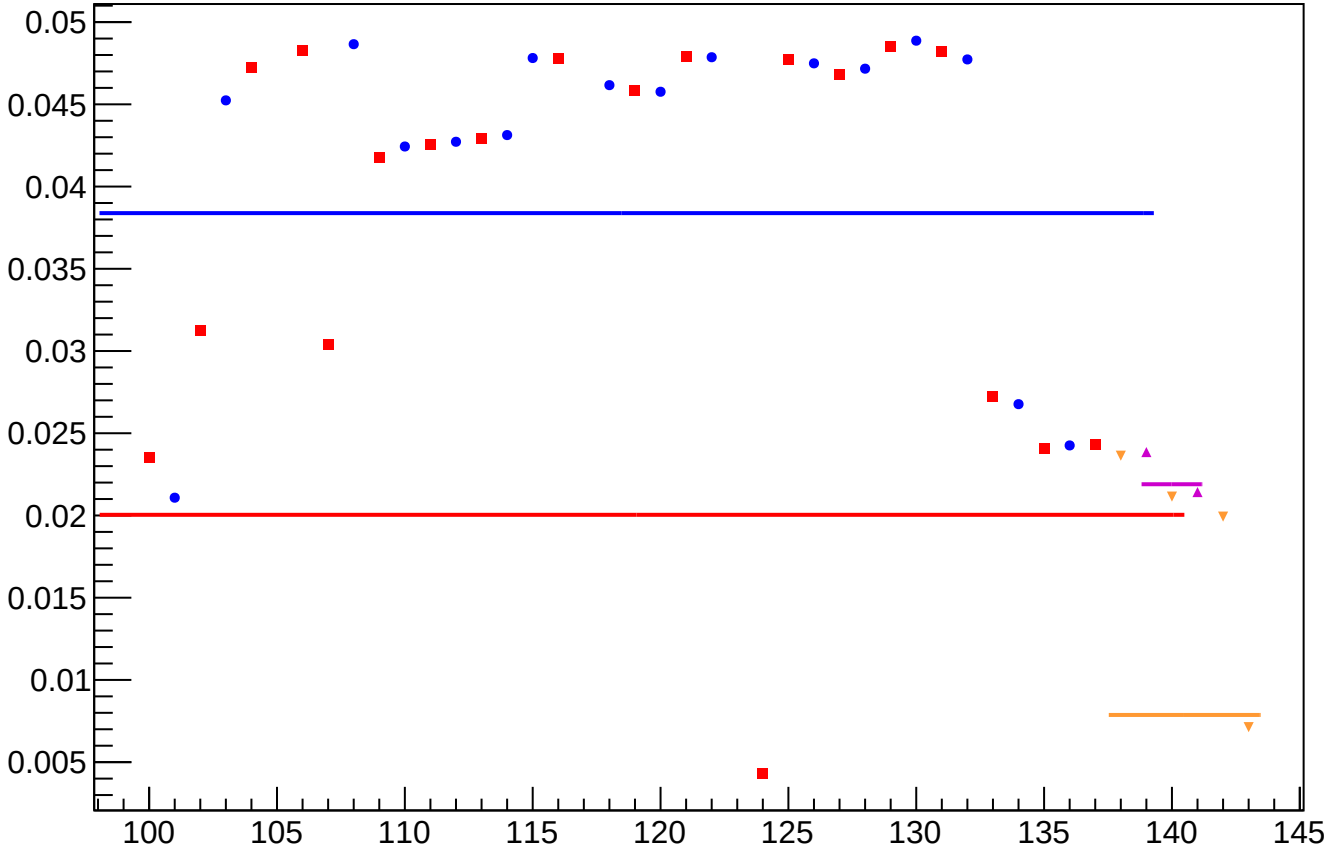
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:938785.0/17

Out: 0.000+/-0.000 χ^2/NDF:4541184.9/22

All: 0.000+/-0.000 χ^2/NDF: 6156178.0/40

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:4656424279.4/3

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:14768641.0/1

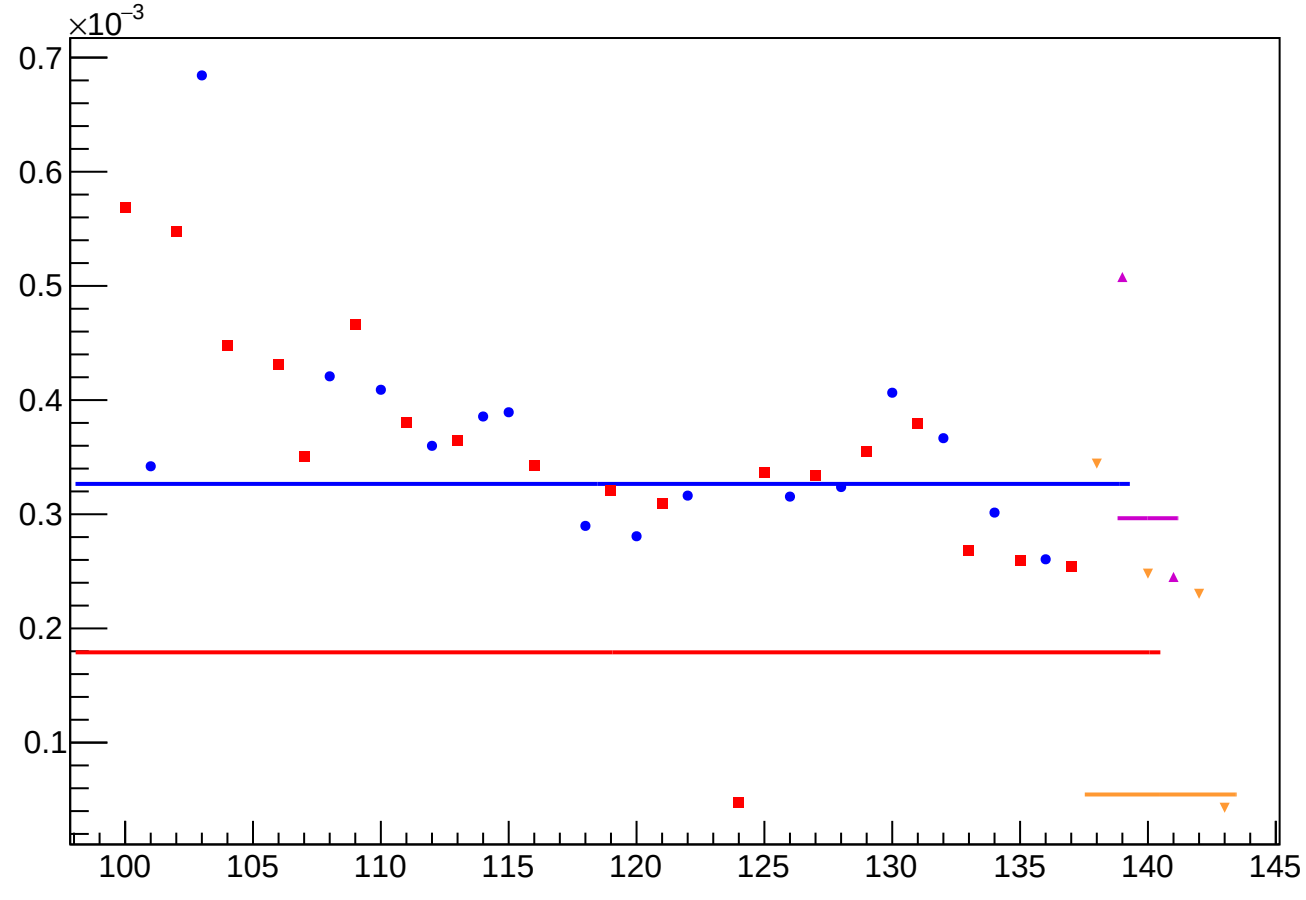
Left: 0.008+/-0.000 χ^2/NDF: 7686779577.6/5

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.035+/-0.000 χ^2/NDF:10491655187.5/17

Out: 0.010+/-0.000 χ^2/NDF:61122938468.2/22

All: 0.013+/-0.000 χ^2/NDF: 111443136901.9



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2356784.5/3

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: 4495896.1/5

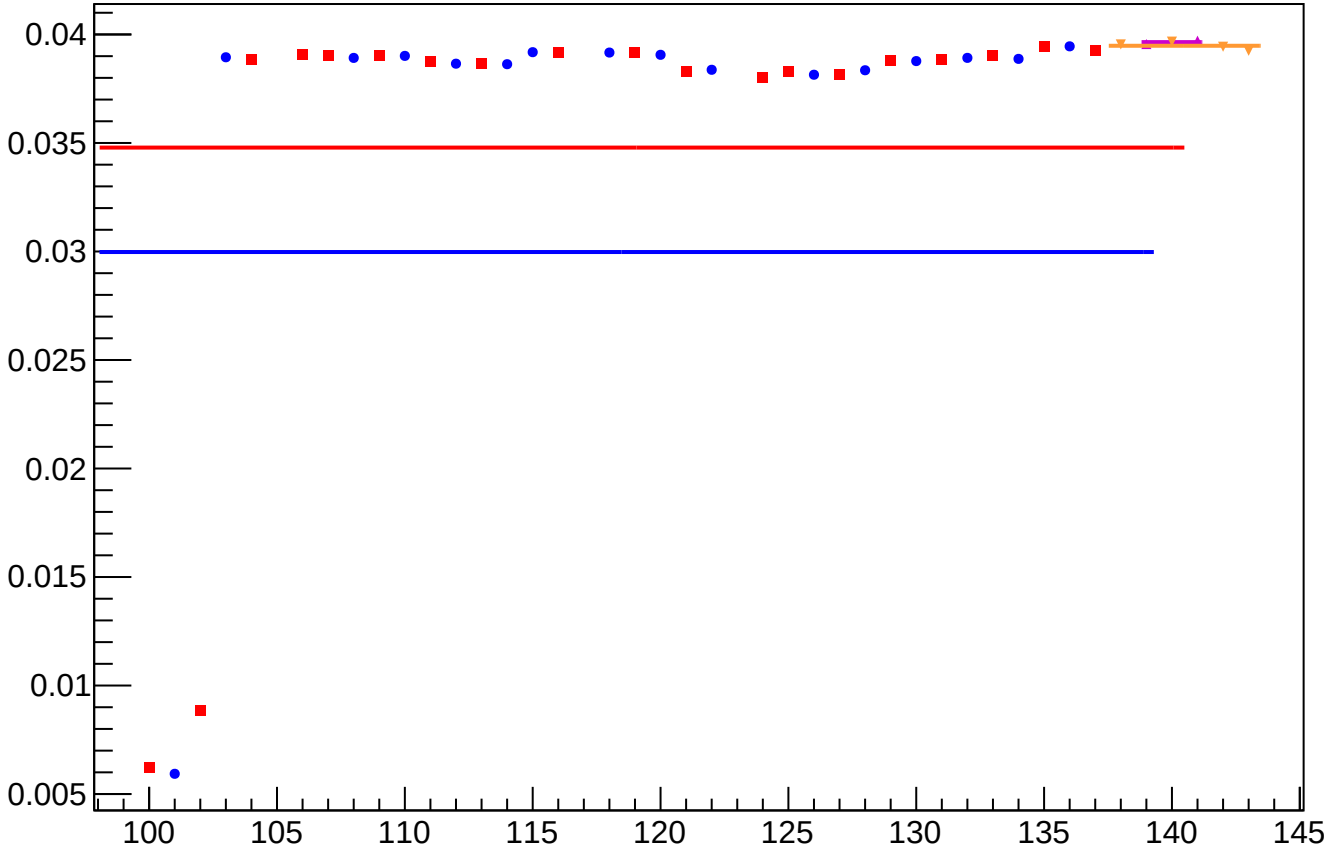
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:948641.9/17

Out: 0.000+/-0.000 χ^2/NDF:11007742.7/22

All: 0.000+/-0.000 χ^2/NDF: 19585712.4/40

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:3574090.2/3

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:425389.9/1

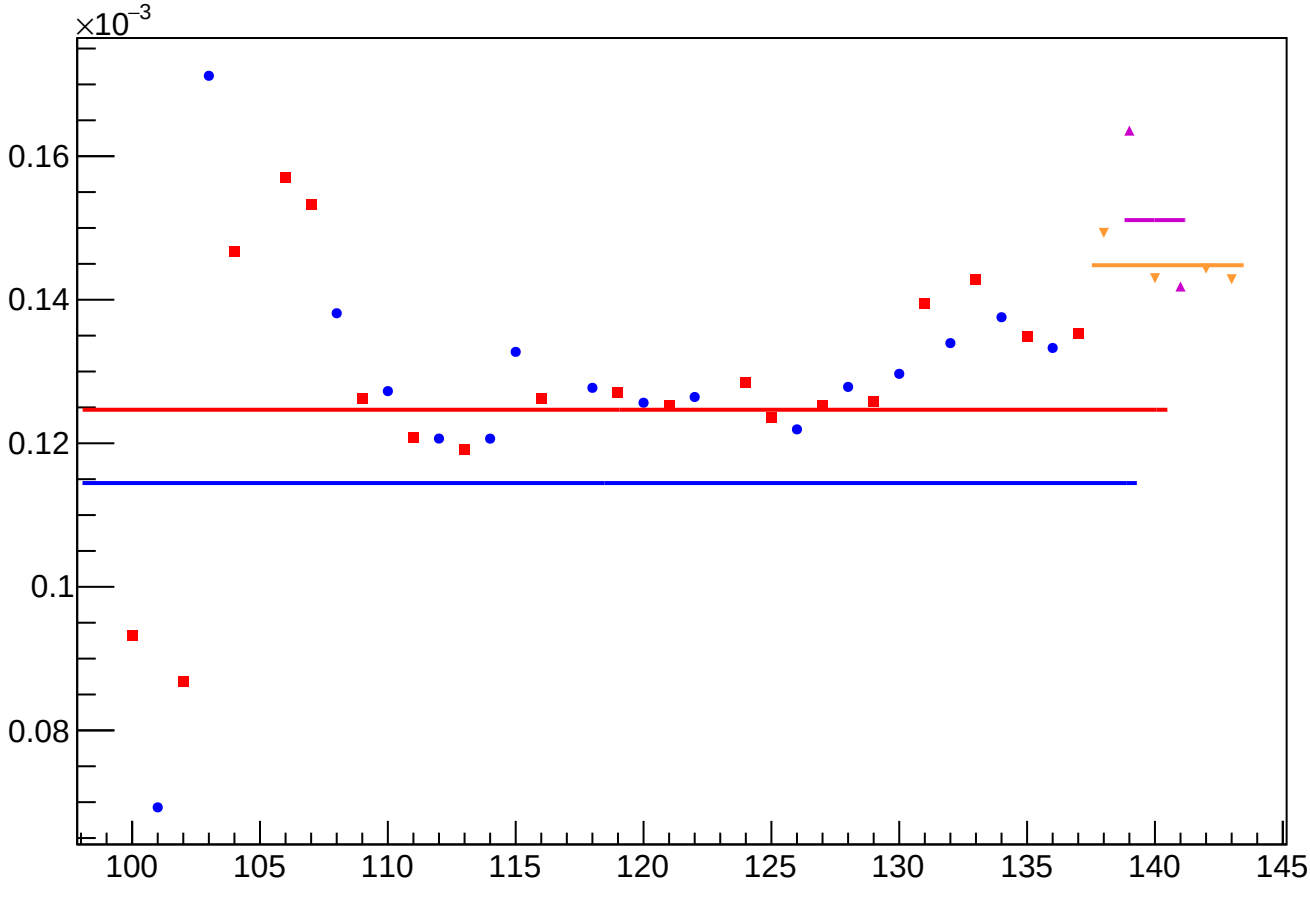
Left: 0.040+/-0.000 χ^2/NDF: 5321055.6/5

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.031+/-0.000 χ^2/NDF:114207906578.0/17

Out: 0.036+/-0.000 χ^2/NDF:49481504537.7/22

All: 0.034+/-0.000 χ^2/NDF: 169969614949.6



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1926.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16712.4/1

Left: 0.000+/-0.000 χ^2/NDF: 22315.0/5

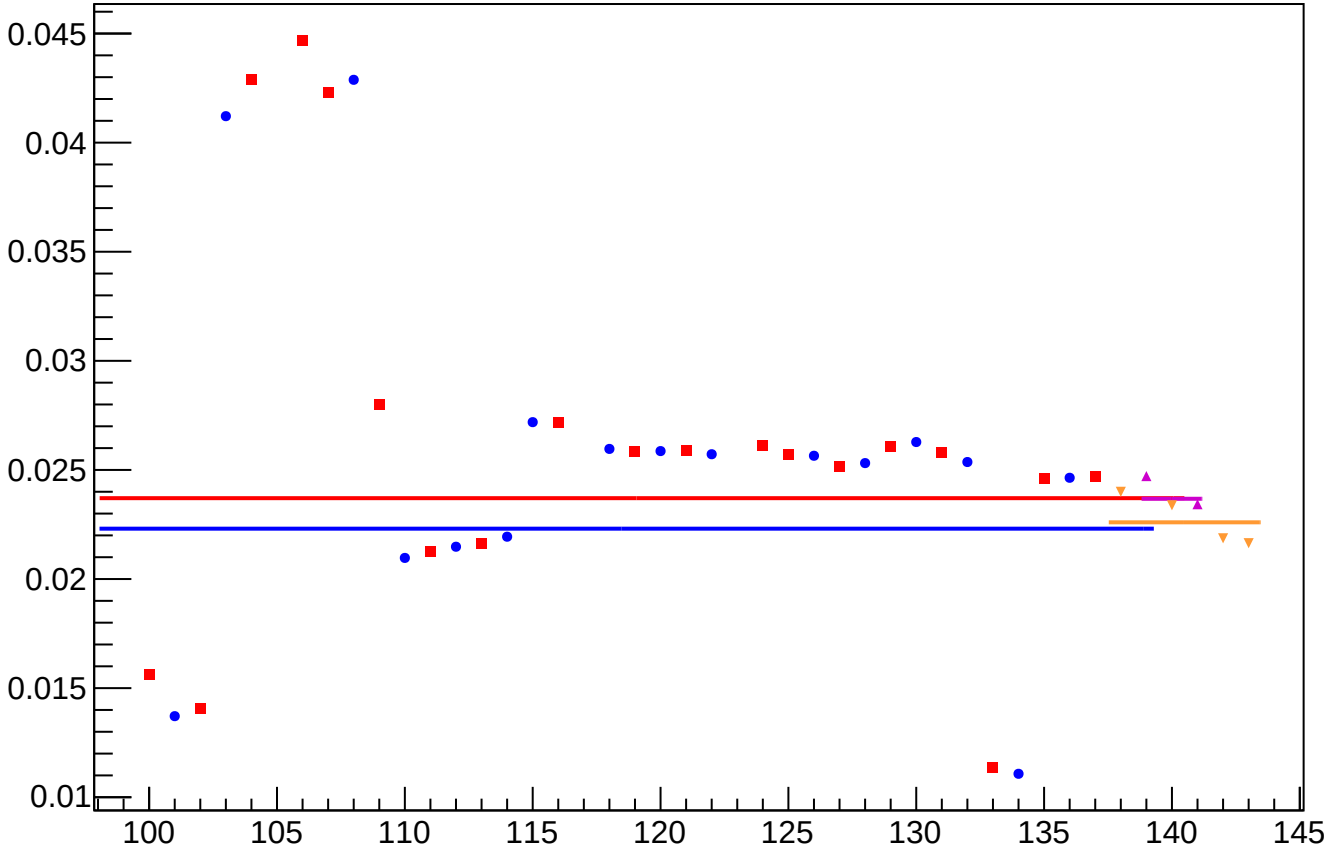
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1040044.2/17

Out: 0.000+/-0.000 χ^2/NDF:343904.8/22

All: 0.000+/-0.000 χ^2/NDF: 1443800.8/40

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.023+/-0.000 χ^2/NDF:38320111.7/3

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: 0.023+/-0.000 χ^2/NDF: 57460530.4/5

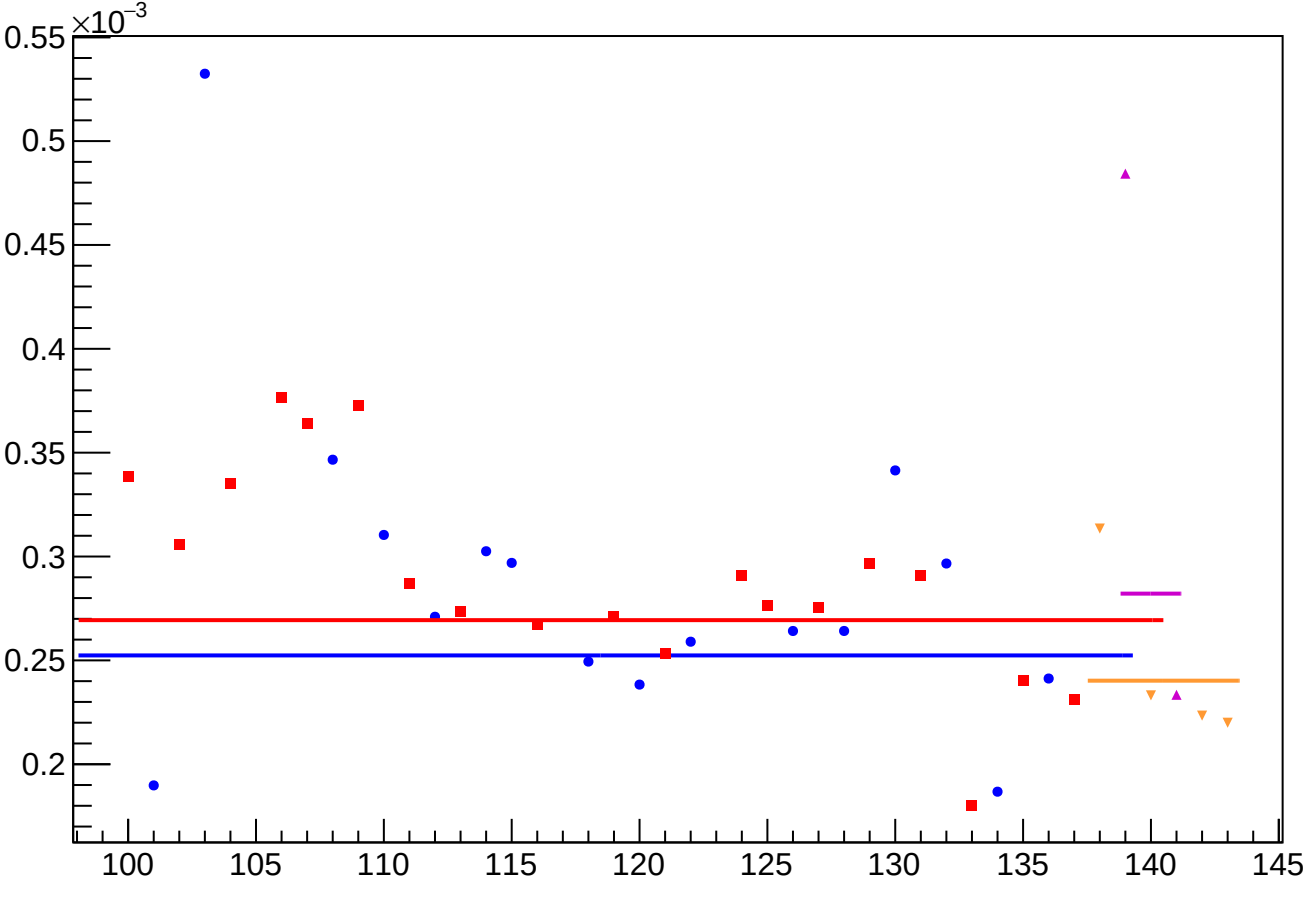
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.023+/-0.000 χ^2/NDF:5045461296.2/17

Out: 0.023+/-0.000 χ^2/NDF:5654735547.3/22

All: 0.023+/-0.000 χ^2/NDF: 10743231592.8/4

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:91529.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:350994.4/1

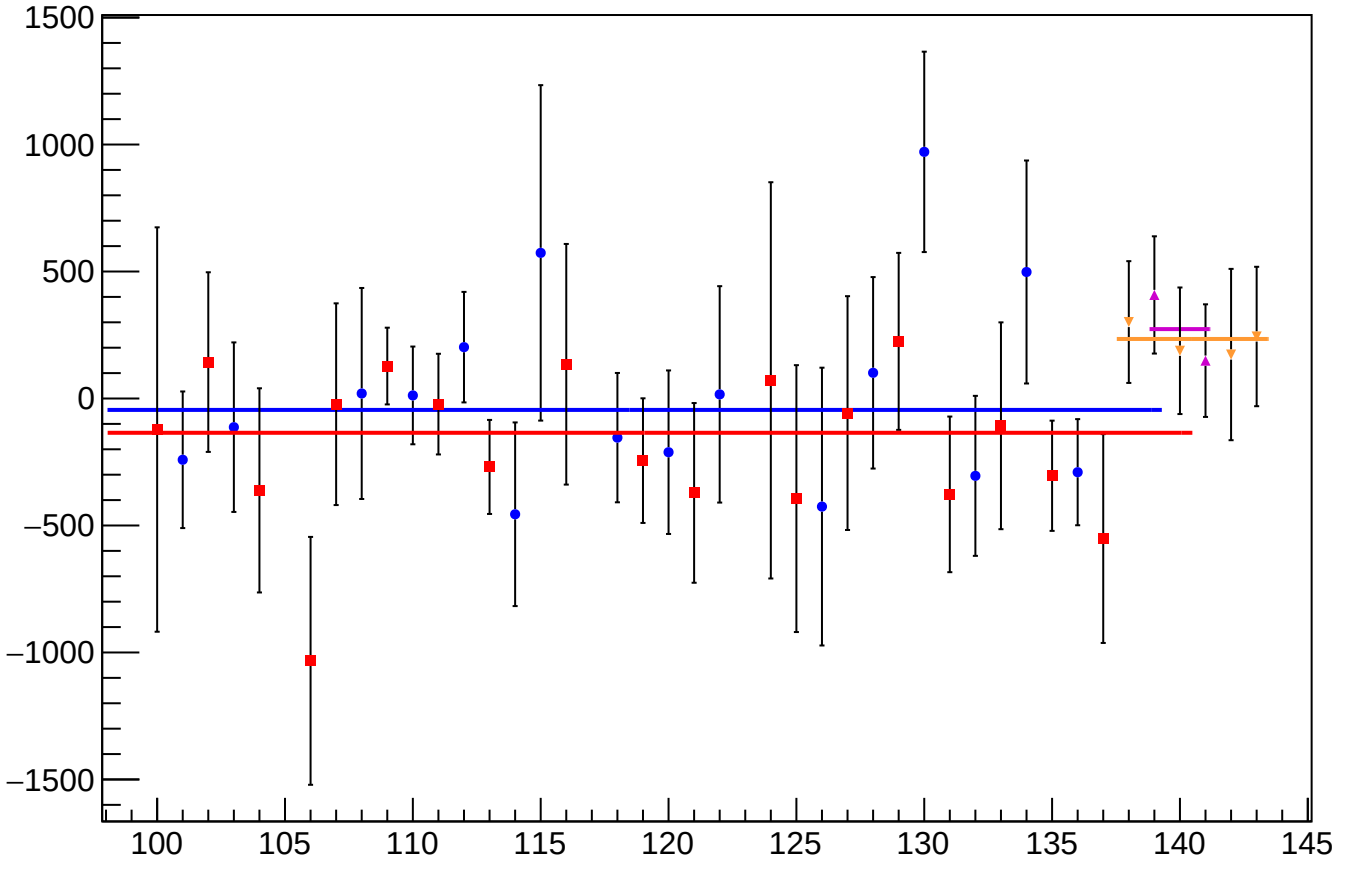
Left: 0.000+/-0.000 χ^2/NDF: 486241.0/5

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:585800.0/22

All: 0.000+/-0.000 χ^2/NDF: 1672614.9/40



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 234.425+/-134.146 χ^2/NDF:0.1/3

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: 250.470+/-102.770 χ^2/NDF: 0.8/5

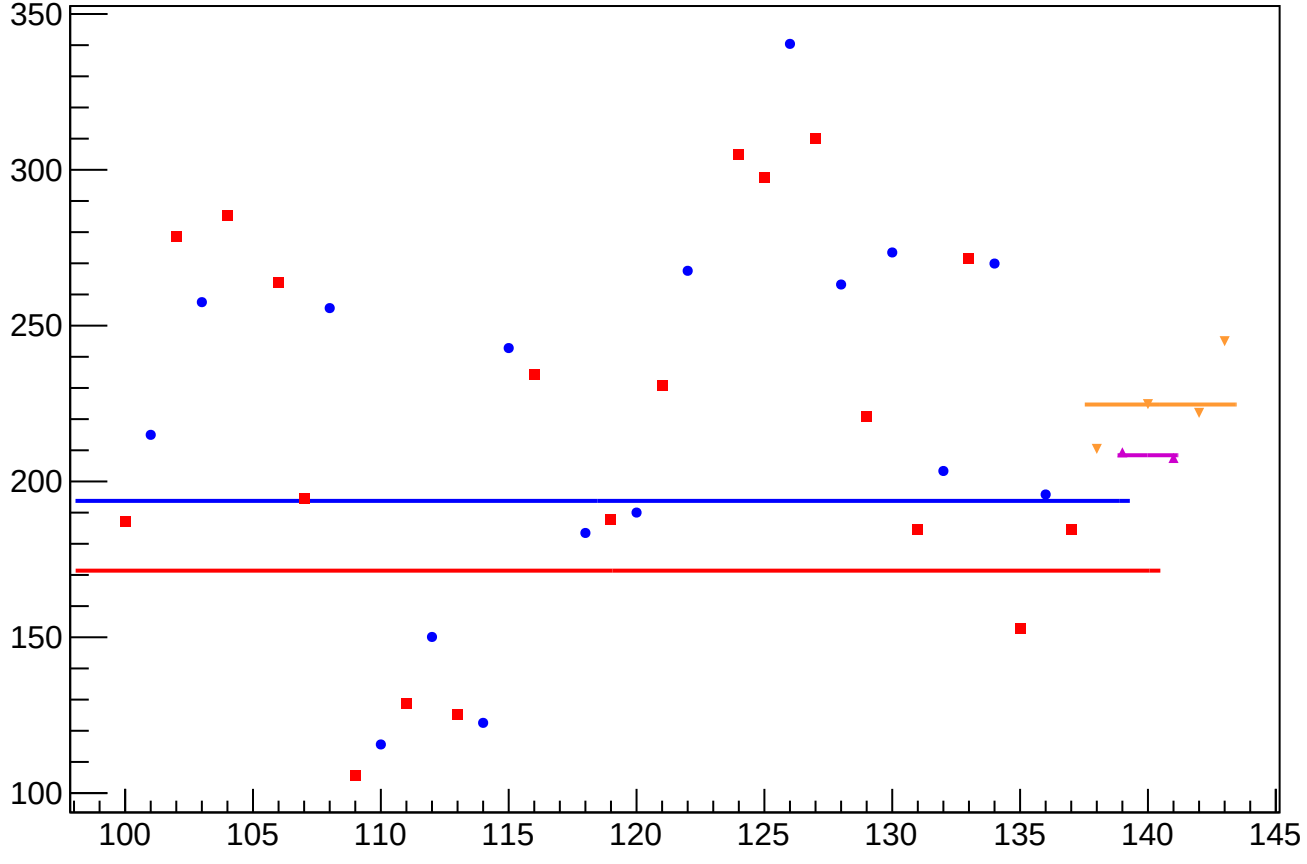
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 13.966+/-68.787 χ^2/NDF:19.3/17

Out: -59.366+/-60.696 χ^2/NDF:19.1/22

All: -27.264+/-45.512 χ^2/NDF: 39.1/40

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: 224.690+/-0.095 χ^2/NDF:18141.6/3

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 208.414+/-0.113 χ^2/NDF:64.8/1

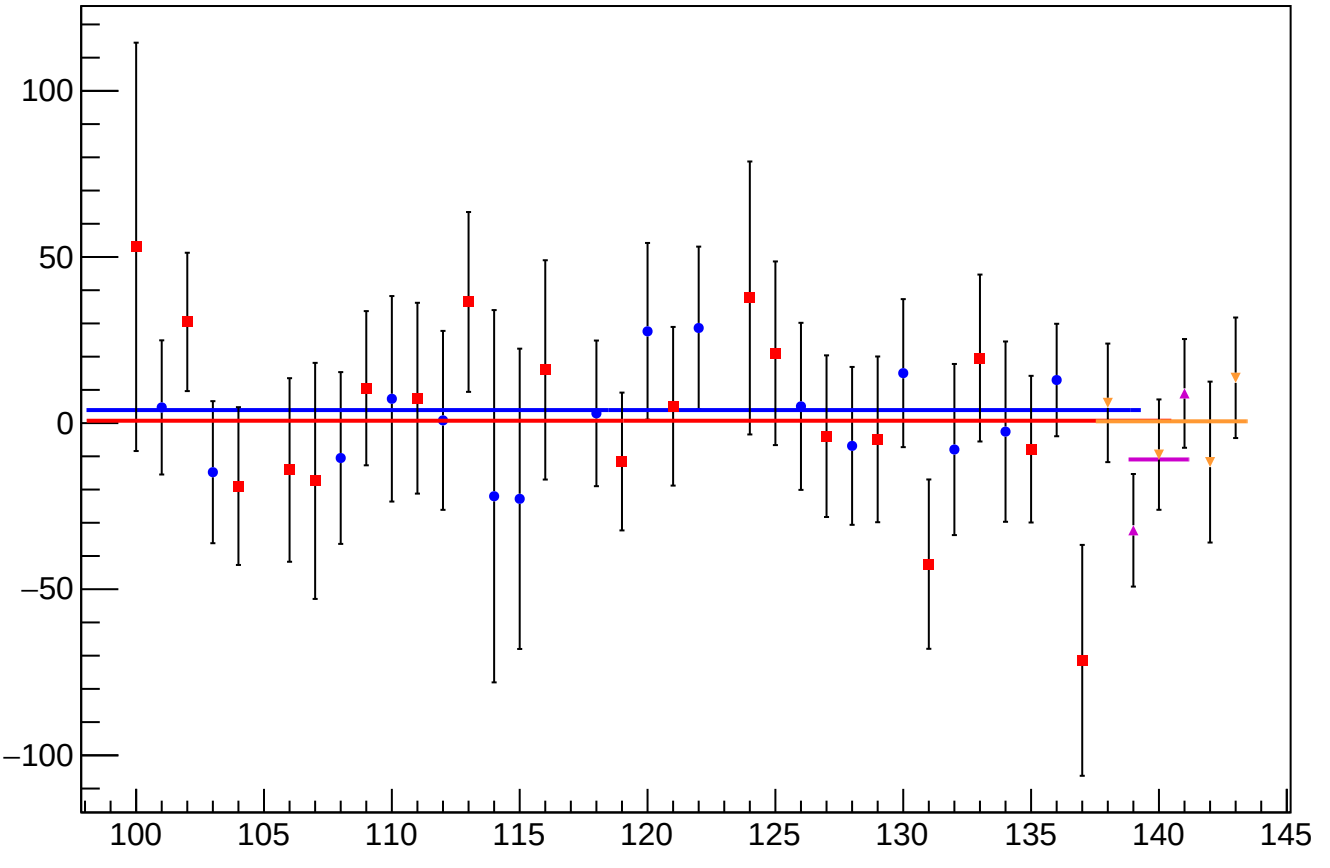
Left: 217.967+/-0.073 χ^2/NDF: 30367.9/5

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 196.478+/-0.049 χ^2/NDF:1061834.7/17

Out: 182.295+/-0.043 χ^2/NDF:1927397.5/22

All: 188.504+/-0.032 χ^2/NDF: 3037036.2/40



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.541+/-9.321 χ^2/NDF:1.2/3

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: -3.885+/-7.308 χ^2/NDF: 4.9/5

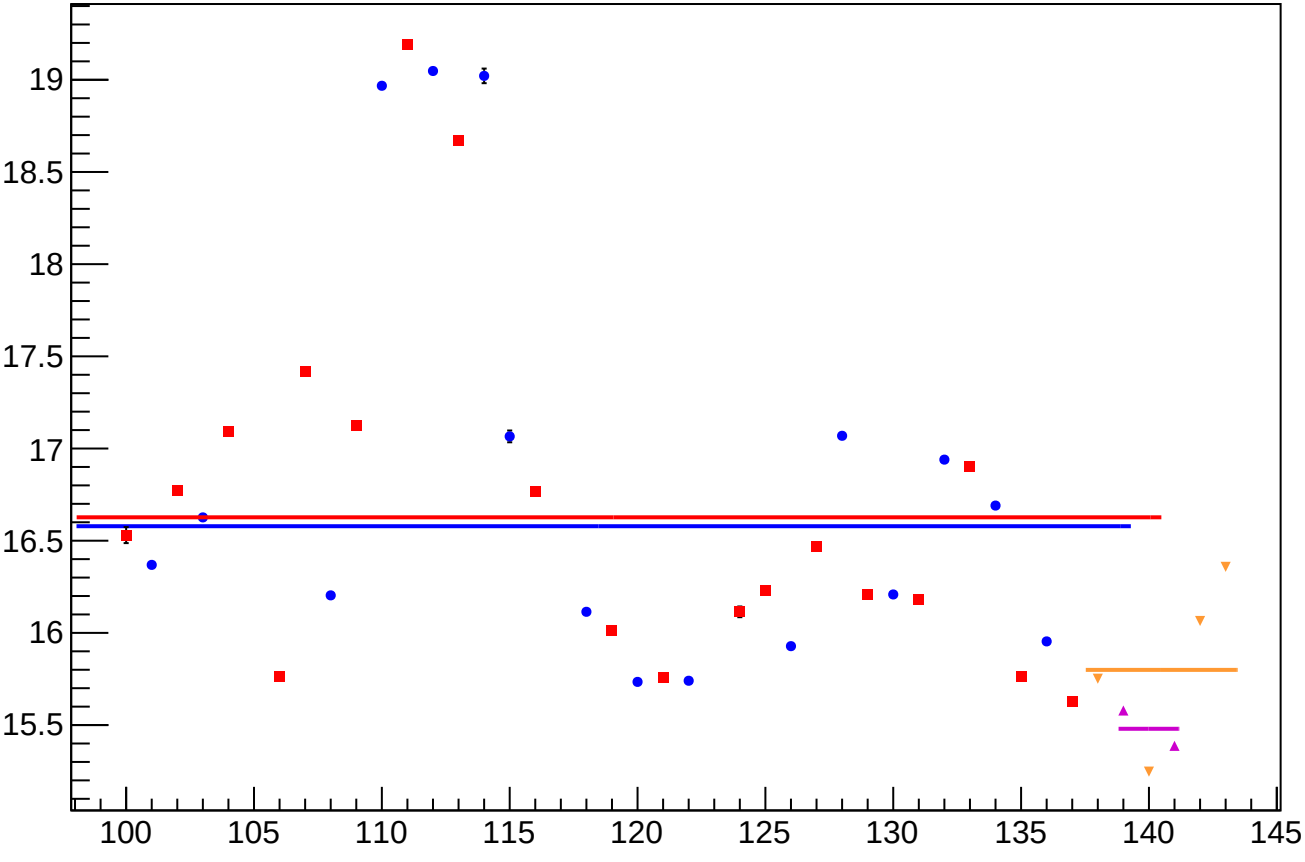
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.718+/-5.466 χ^2/NDF:8.8/17

Out: 0.662+/-5.091 χ^2/NDF:17.1/22

All: 0.688+/-3.725 χ^2/NDF: 25.9/40

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: 15.799+/-0.007 χ^2/NDF:4360.3/3

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: 15.676+/-0.005 χ^2/NDF: 5398.1/5

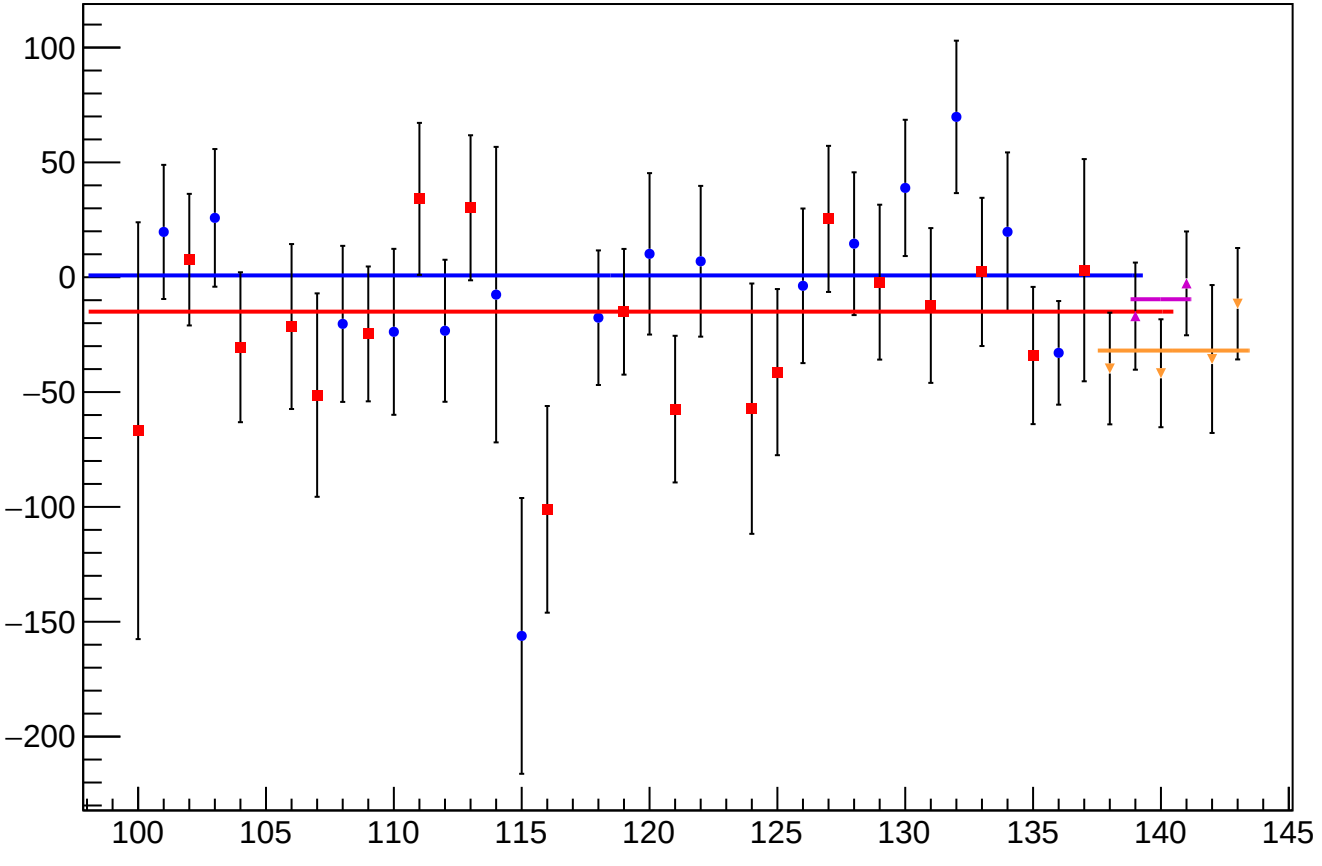
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.342+/-0.004 χ^2/NDF:58376.0/17

Out: 16.380+/-0.004 χ^2/NDF:58885.4/22

All: 16.362+/-0.003 χ^2/NDF: 117314.2/40

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -31.926+/-12.735 χ^2/NDF:1.0/3

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: -23.412+/-10.019 χ^2/NDF: 2.4/5

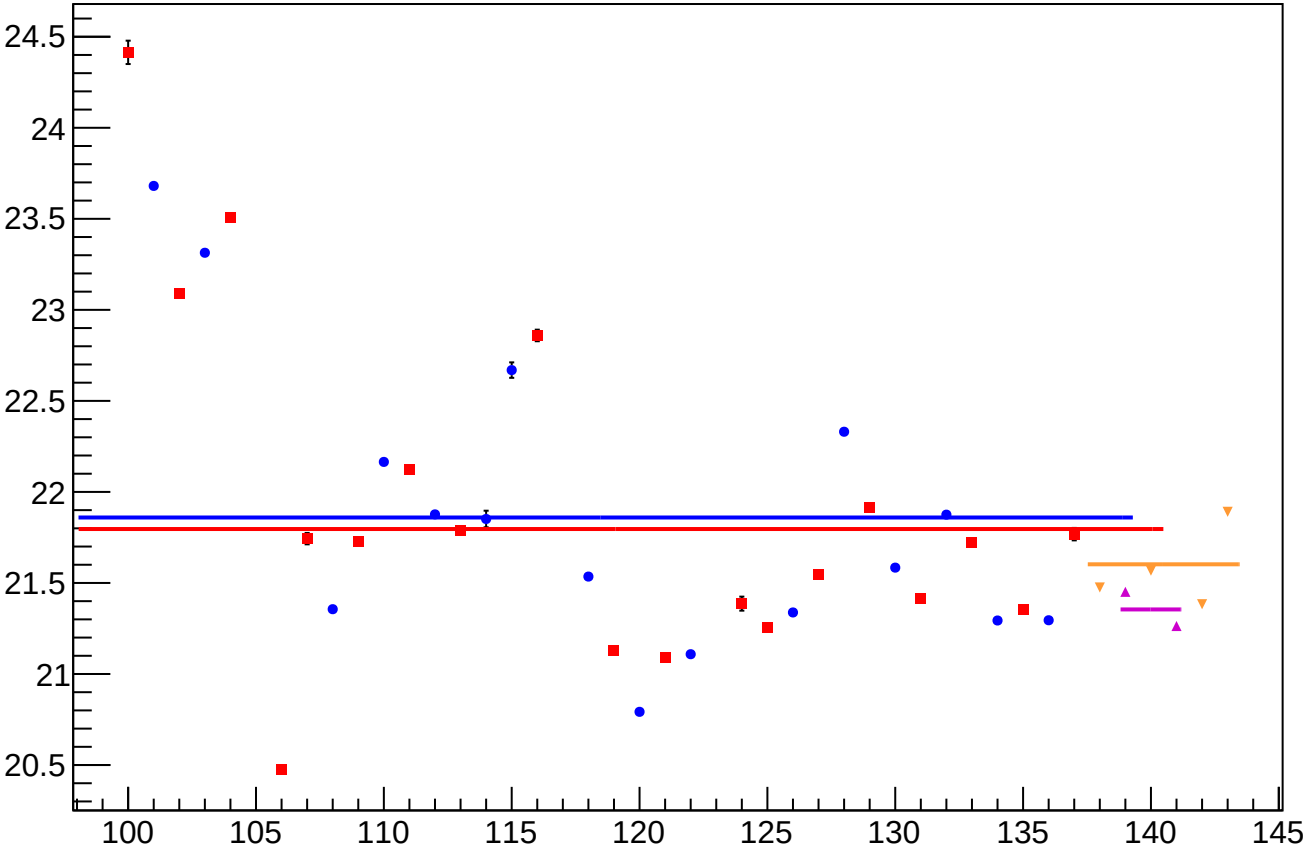
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -1.289+/-7.265 χ^2/NDF:19.2/17

Out: -19.736+/-6.746 χ^2/NDF:17.7/22

All: -11.195+/-4.944 χ^2/NDF: 40.3/40

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: 21.602+/-0.009 χ^2/NDF:434.5/3

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.355+/-0.011 χ^2/NDF:66.9/1

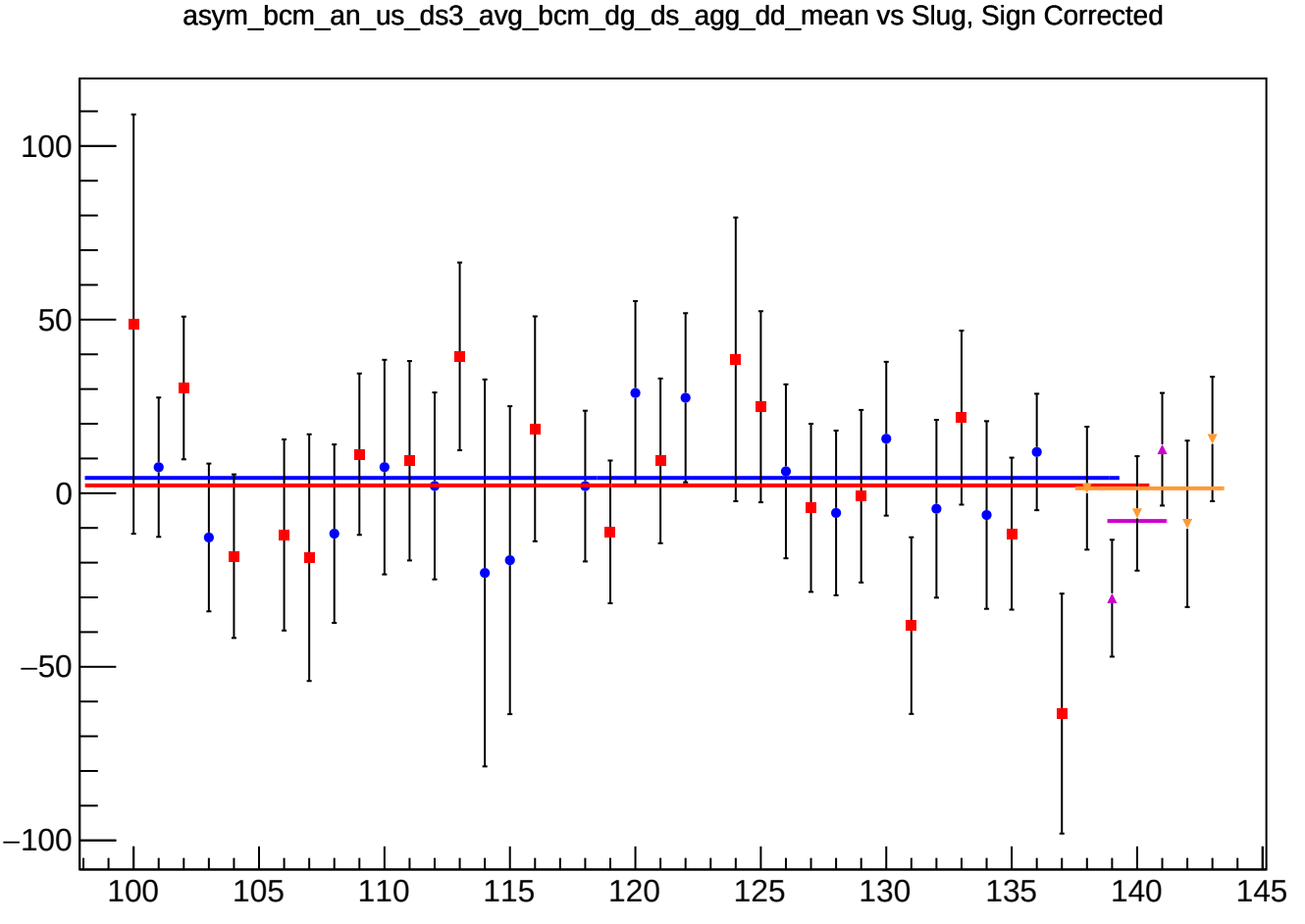
Left: 21.508+/-0.007 χ^2/NDF: 790.2/5

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

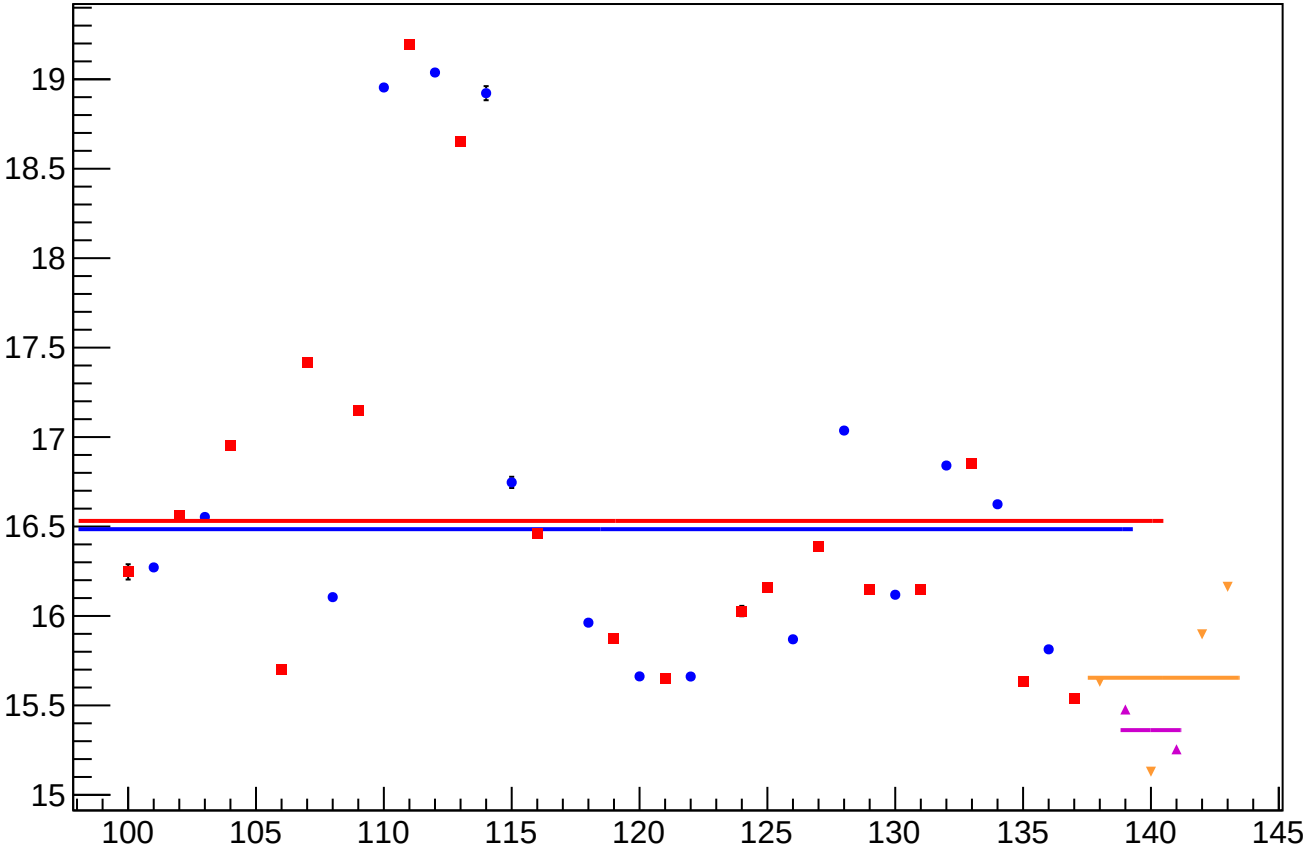
In: 21.758+/-0.005 χ^2/NDF:21083.2/17

Out: 21.742+/-0.005 χ^2/NDF:19628.9/22

All: 21.749+/-0.003 χ^2/NDF: 40717.6/40


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
105
110
115
120
125
130
135
140
145
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: 1.405+/-9.235 χ²/NDF:1.0/3
Right Out: 2.244+/-6.042 χ²/NDF: 15.4/18
Left In: -7.998+/-11.682 χ²/NDF:3.4/1
Left: -2.212+/-7.245 χ²/NDF: 4.8/5
Right: 3.307+/-4.306 χ²/NDF: 19.7/34
In: 1.722+/-5.433 χ²/NDF:8.5/17
Out: 1.992+/-5.056 χ²/NDF:16.4/22
All: 1.867+/-3.701 χ²/NDF: 24.9/40

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: 15.655+/-0.007 χ^2/NDF:3847.8/3

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.362+/-0.008 χ^2/NDF:181.1/1

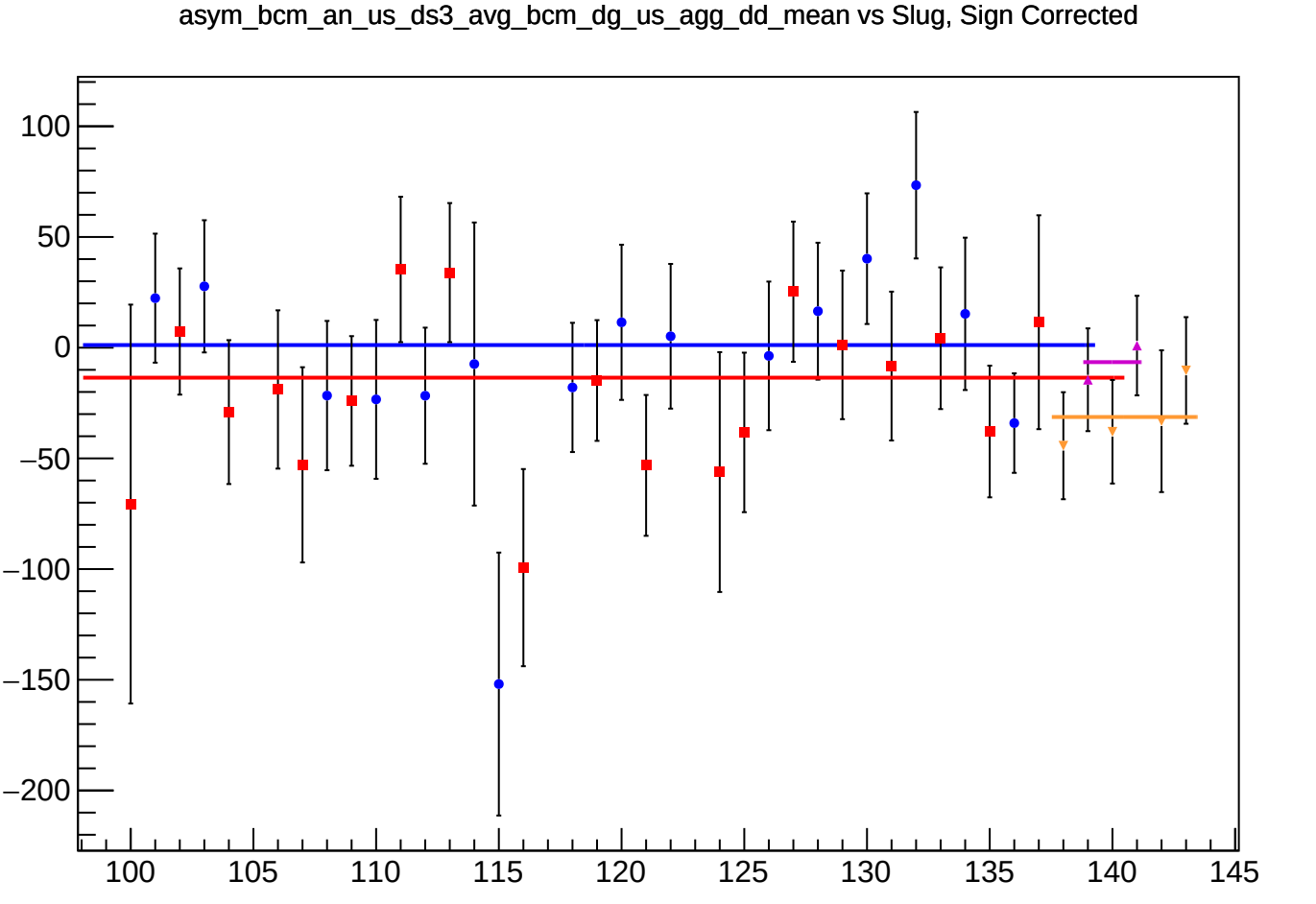
Left: 15.542+/-0.005 χ^2/NDF: 4801.5/5

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

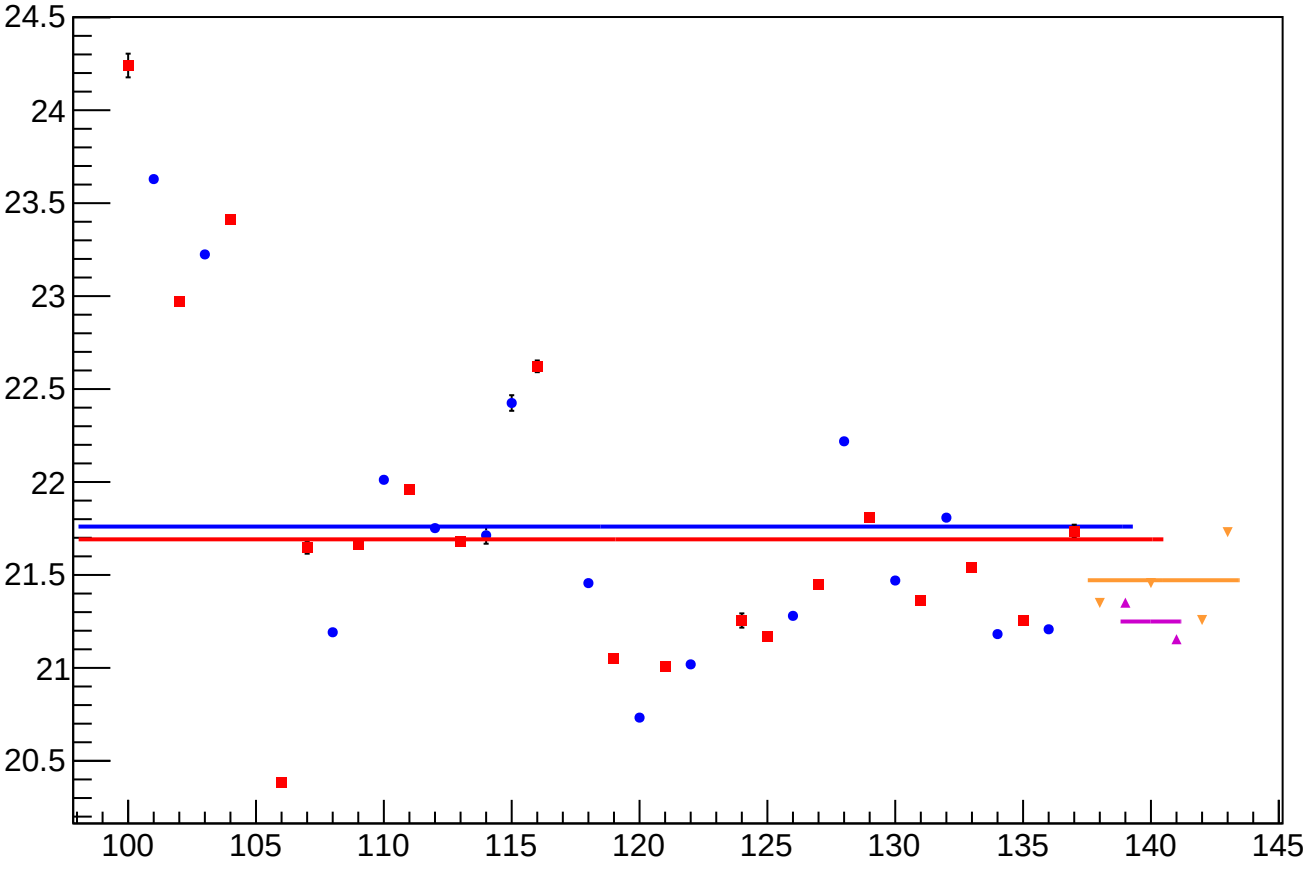
In: 16.242+/-0.004 χ^2/NDF:61855.6/17

Out: 16.268+/-0.004 χ^2/NDF:62942.2/22

All: 16.256+/-0.003 χ^2/NDF: 124823.0/40


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
105
110
115
120
125
130
135
140
145
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -31.308+/-12.657 χ²/NDF:1.1/3
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -6.524+/-16.152 χ²/NDF:0.2/1
Left: -21.879+/-9.963 χ²/NDF: 2.8/5
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -0.361+/-7.232 χ²/NDF:19.8/17
Out: -18.541+/-6.711 χ²/NDF:18.5/22
All: -10.129+/-4.919 χ²/NDF: 41.7/40

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: 21.472+/-0.009 χ^2/NDF:371.8/3

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.250+/-0.011 χ^2/NDF:74.0/1

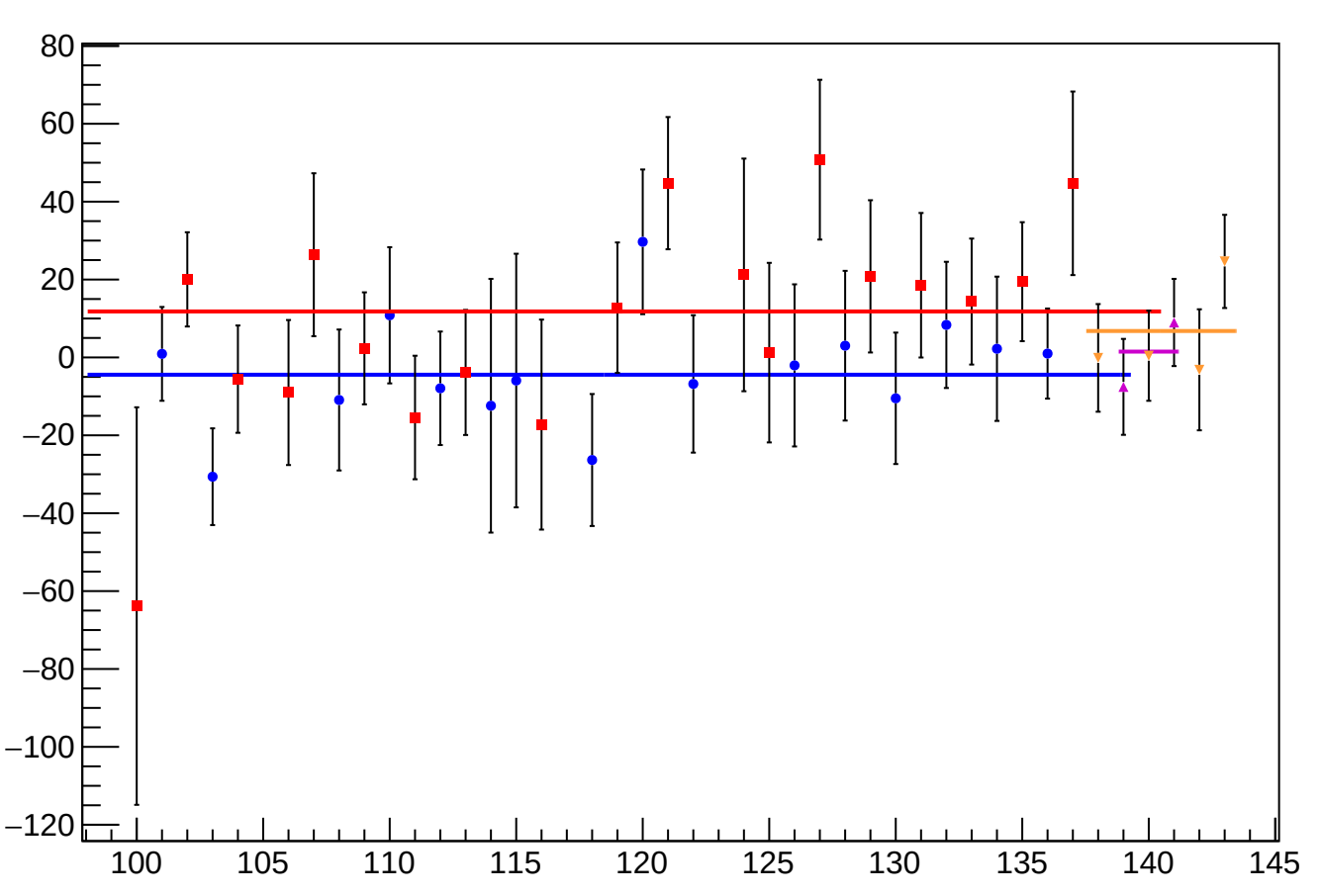
Left: 21.387+/-0.007 χ^2/NDF: 679.9/5

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.658+/-0.005 χ^2/NDF:21418.5/17

Out: 21.630+/-0.005 χ^2/NDF:19136.8/22

All: 21.643+/-0.003 χ^2/NDF: 40571.6/40



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 6.788+/-6.479 χ^2/NDF:3.2/3

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 1.496+/-8.286 χ^2/NDF:1.0/1

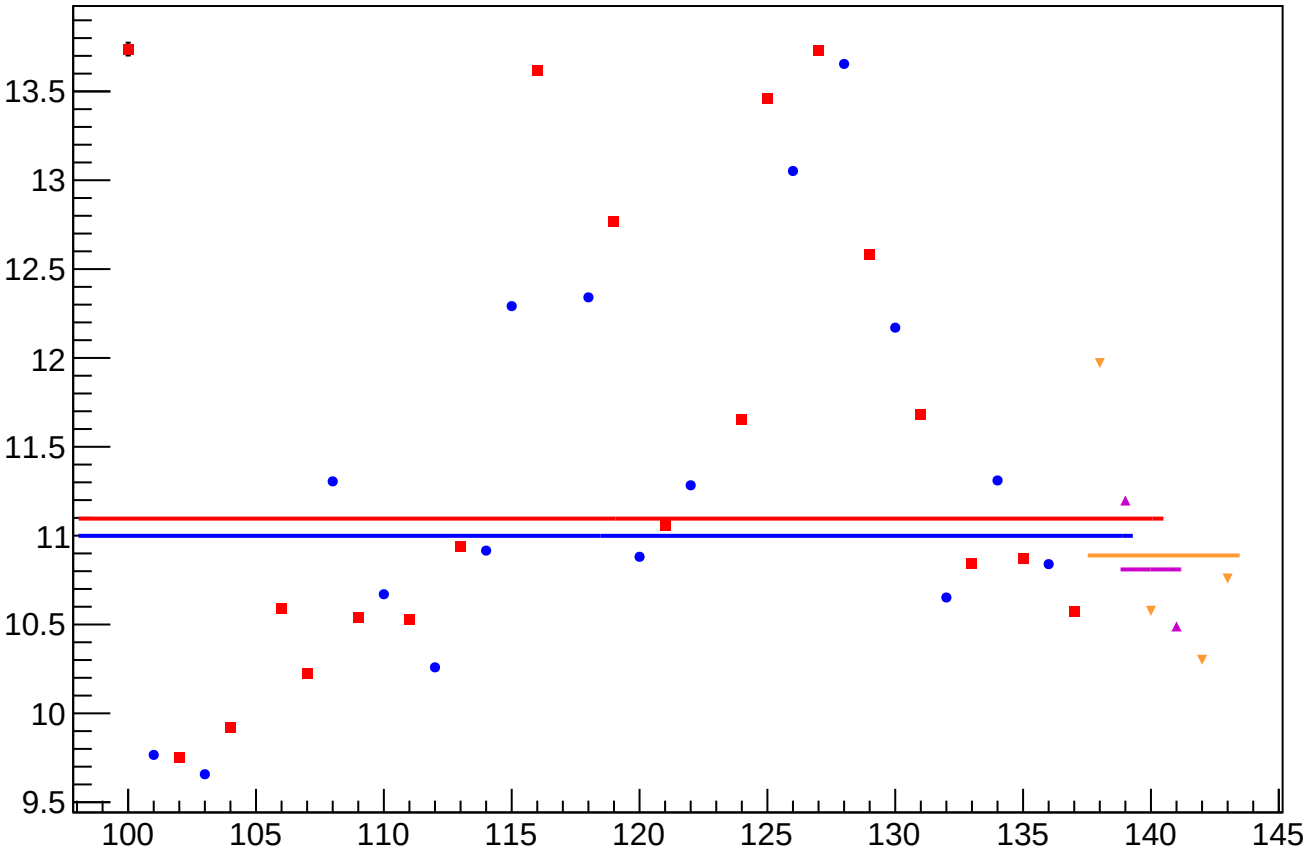
Left: 4.780+/-5.104 χ^2/NDF: 4.4/5

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -3.258+/-3.697 χ^2/NDF:13.4/17

Out: 10.373+/-3.463 χ^2/NDF:25.4/22

All: 4.002+/-2.527 χ^2/NDF: 46.0/40



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.889+/-0.005 χ^2/NDF:16804.9/3

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.810+/-0.006 χ^2/NDF:3622.0/1

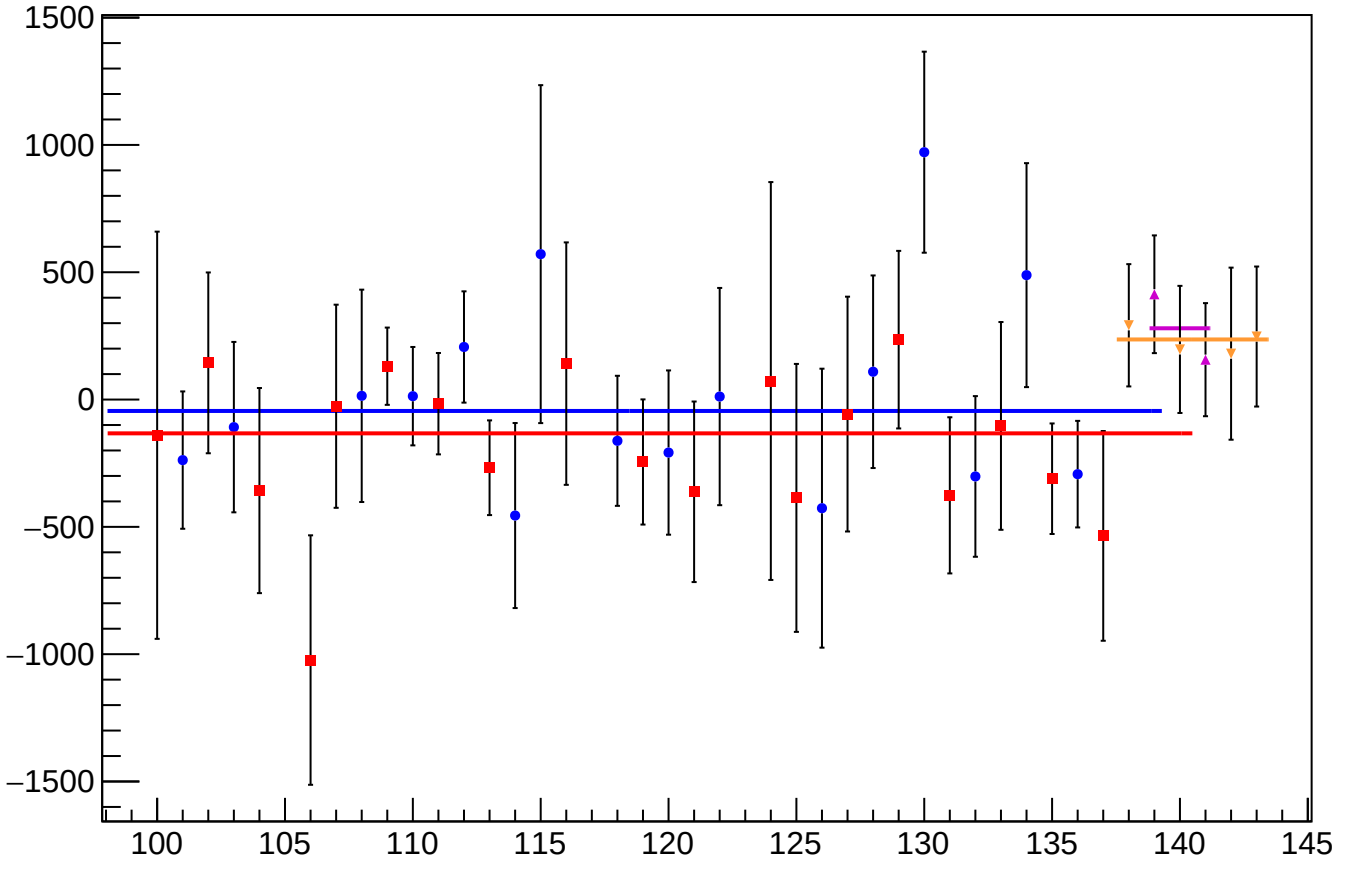
Left: 10.859+/-0.004 χ^2/NDF: 20539.0/5

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

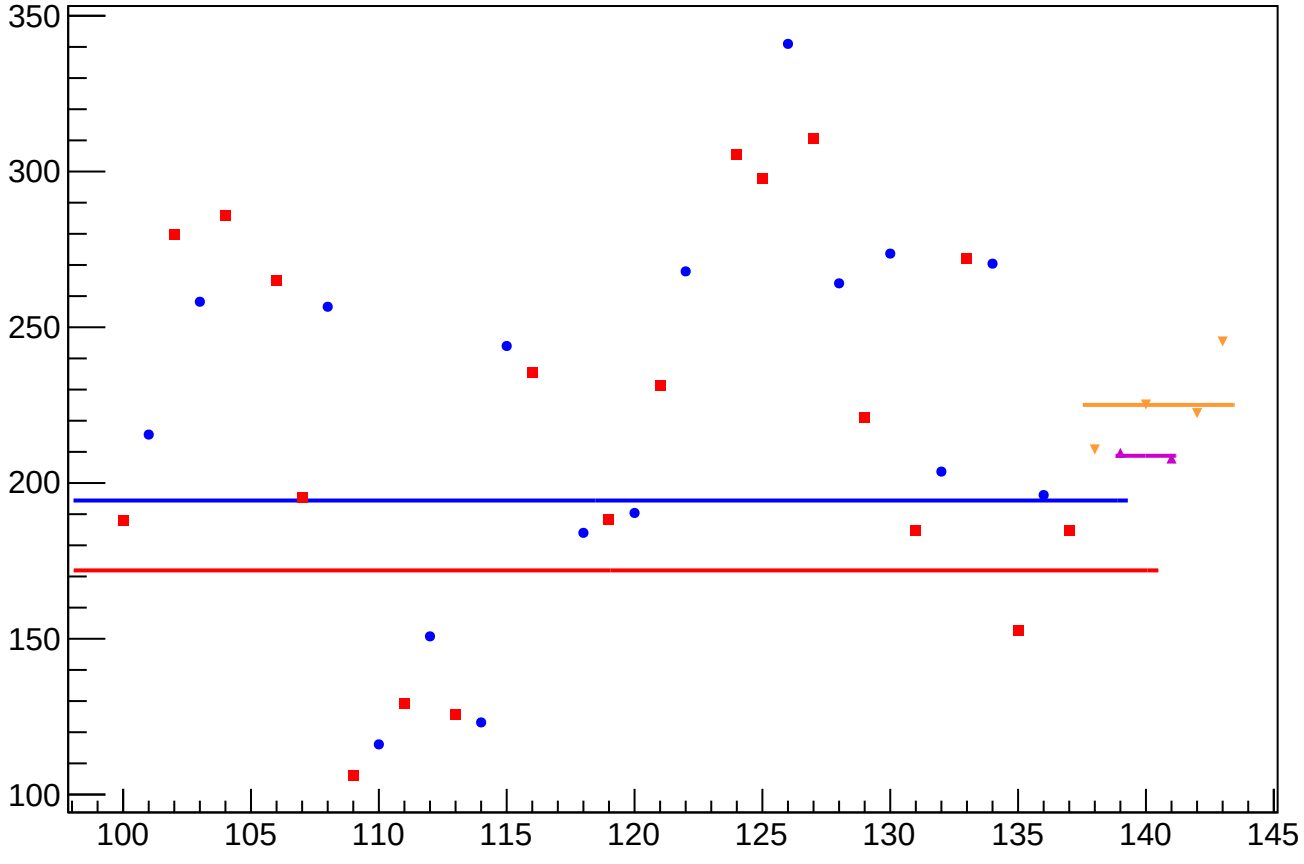
In: 10.961+/-0.003 χ^2/NDF:140615.9/17

Out: 11.037+/-0.002 χ^2/NDF:181176.9/22

All: 11.002+/-0.002 χ^2/NDF: 322235.1/40


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
140
145
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 236.018+/-134.378 χ²/NDF:0.1/3
Right Out: -132.730+/-68.270 χ²/NDF: 12.9/18
Left In: 279.905+/-160.159 χ²/NDF:0.6/1
Left: 254.149+/-102.943 χ²/NDF: 0.8/5
Right: -93.703+/-50.914 χ²/NDF: 29.0/34
In: 15.424+/-68.973 χ²/NDF:19.4/17
Out: -57.079+/-60.865 χ²/NDF:18.9/22
All: -25.338+/-45.637 χ²/NDF: 39.0/40

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: 225.077+/-0.095 χ^2/NDF:18167.5/3

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: 218.332+/-0.073 χ^2/NDF: 30431.0/5

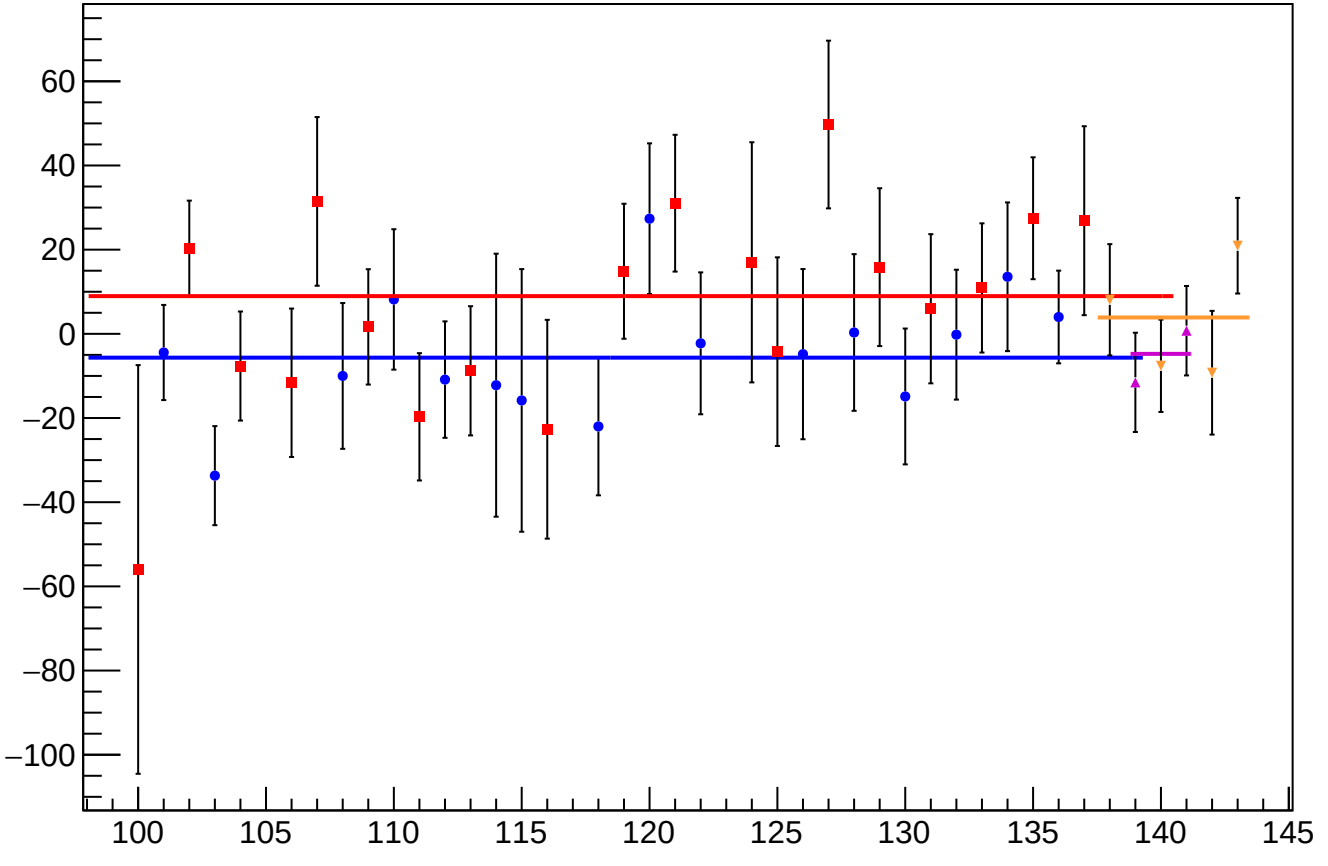
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 197.049+/-0.049 χ^2/NDF:1055194.0/17

Out: 182.848+/-0.043 χ^2/NDF:1918002.4/22

All: 189.065+/-0.032 χ^2/NDF: 3020860.4/40

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: 3.886+/-6.152 χ^2/NDF:4.2/3

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: 0.619+/-4.852 χ^2/NDF: 5.6/5

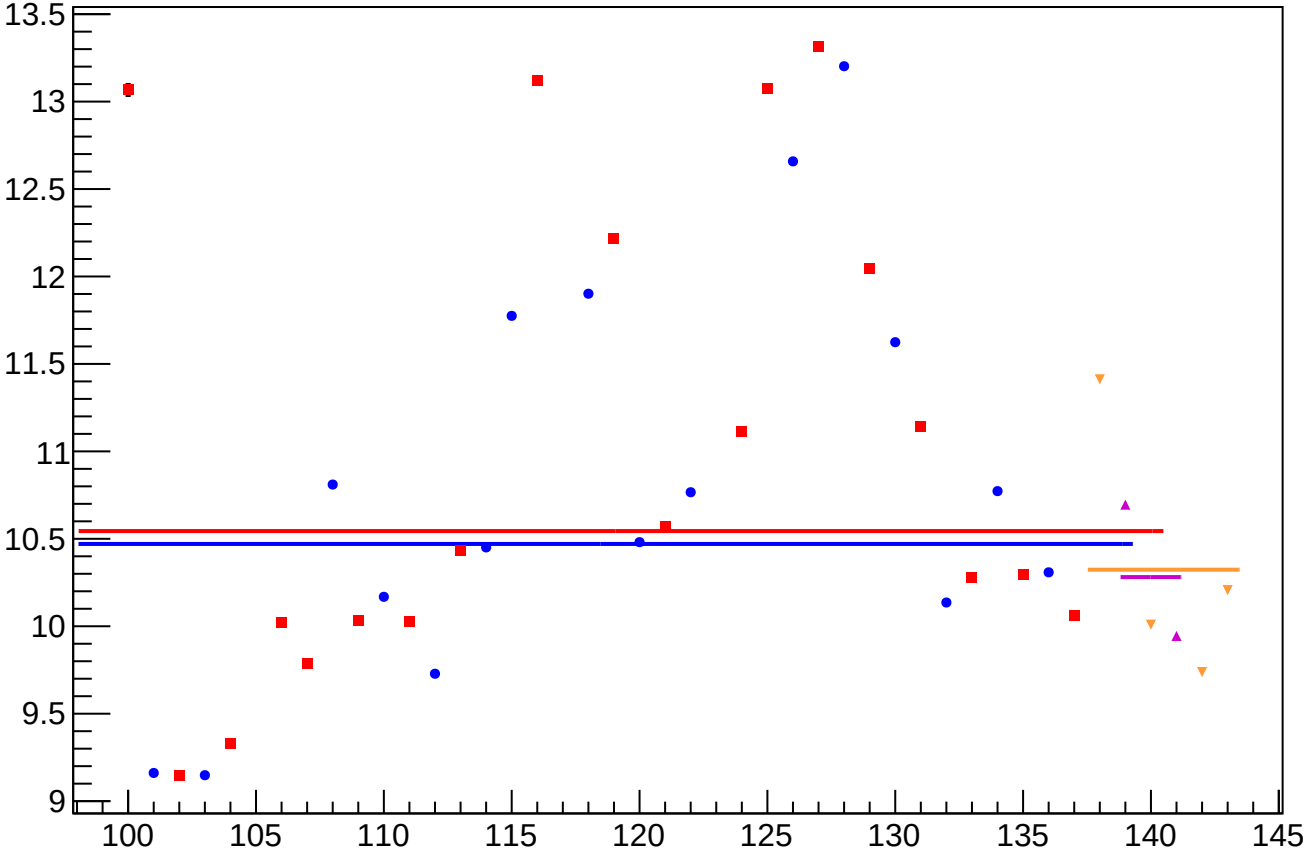
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.478+/-3.525 χ^2/NDF:14.3/17

Out: 7.505+/-3.294 χ^2/NDF:27.5/22

All: 1.451+/-2.407 χ^2/NDF: 49.1/40

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: 10.323+/-0.004 χ^2/NDF:18594.2/3

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.281+/-0.006 χ^2/NDF:4473.6/1

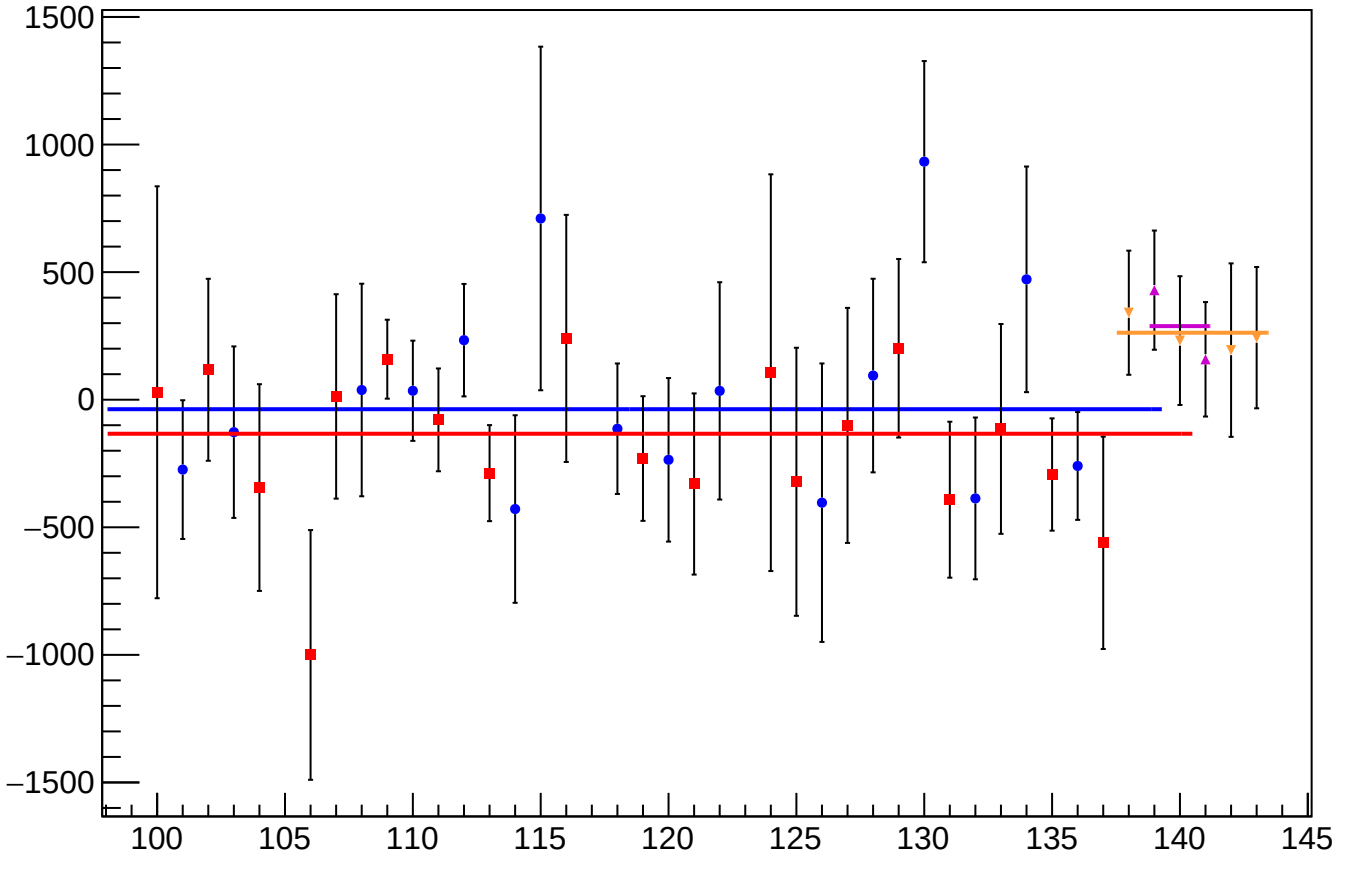
Left: 10.307+/-0.003 χ^2/NDF: 23103.4/5

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

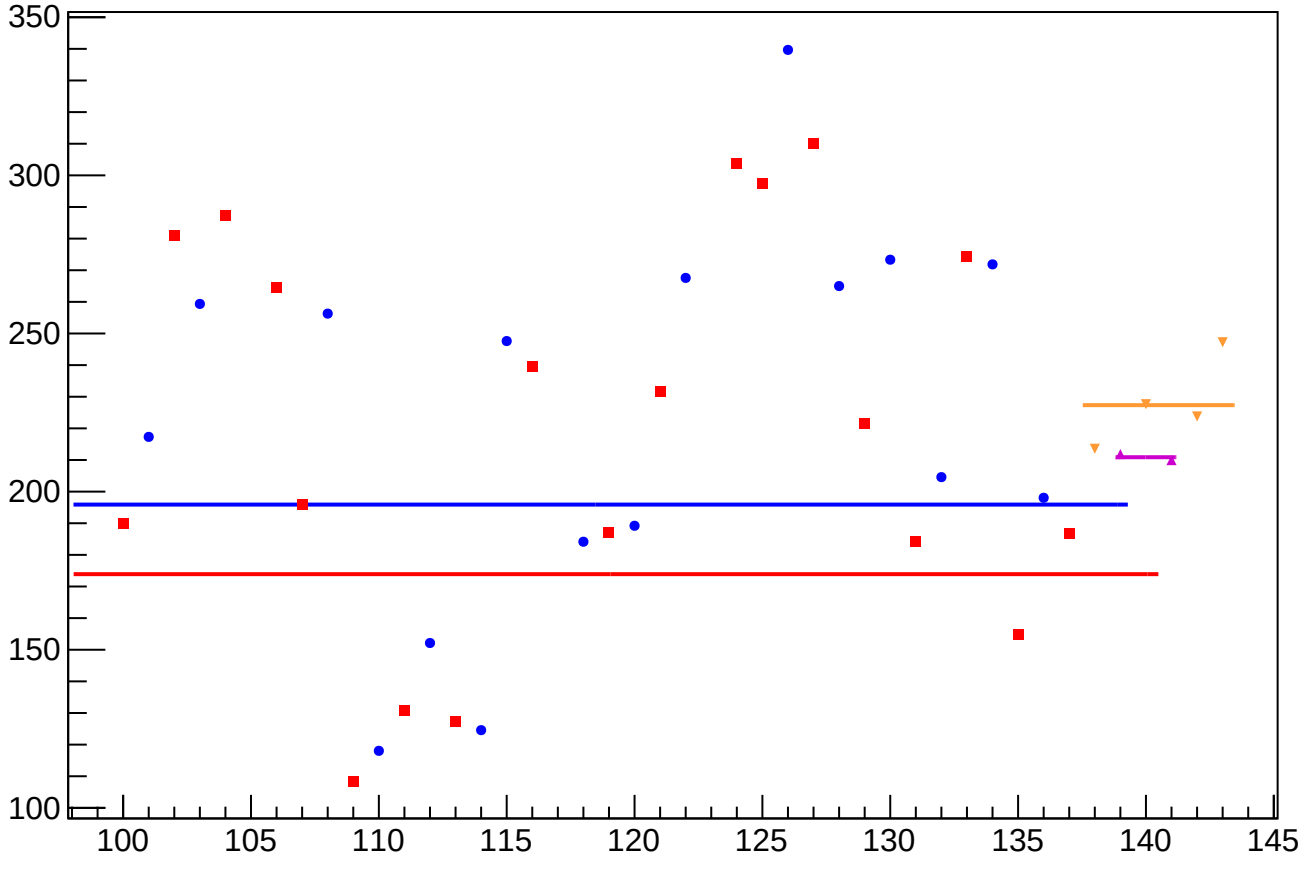
In: 10.433+/-0.002 χ^2/NDF:162761.3/17

Out: 10.481+/-0.002 χ^2/NDF:207213.4/22

All: 10.459+/-0.002 χ^2/NDF: 370174.3/40


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
140
145
Right In: -37.241+/-76.915 χ²/NDF: 15.6/15
Left Out: 262.497+/-135.702 χ²/NDF:0.2/3
Right Out: -133.386+/-68.885 χ²/NDF: 12.9/18
Left In: 288.365+/-161.769 χ²/NDF:0.7/1
Left: 273.182+/-103.966 χ²/NDF: 0.9/5
Right: -90.593+/-51.314 χ²/NDF: 29.4/34
In: 22.795+/-69.463 χ²/NDF:19.7/17
Out: -52.275+/-61.424 χ²/NDF:19.8/22
All: -19.333+/-46.015 χ²/NDF: 40.1/40

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: 227.340+/-0.096 χ^2/NDF:16962.9/3

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 210.877+/-0.114 χ^2/NDF:69.6/1

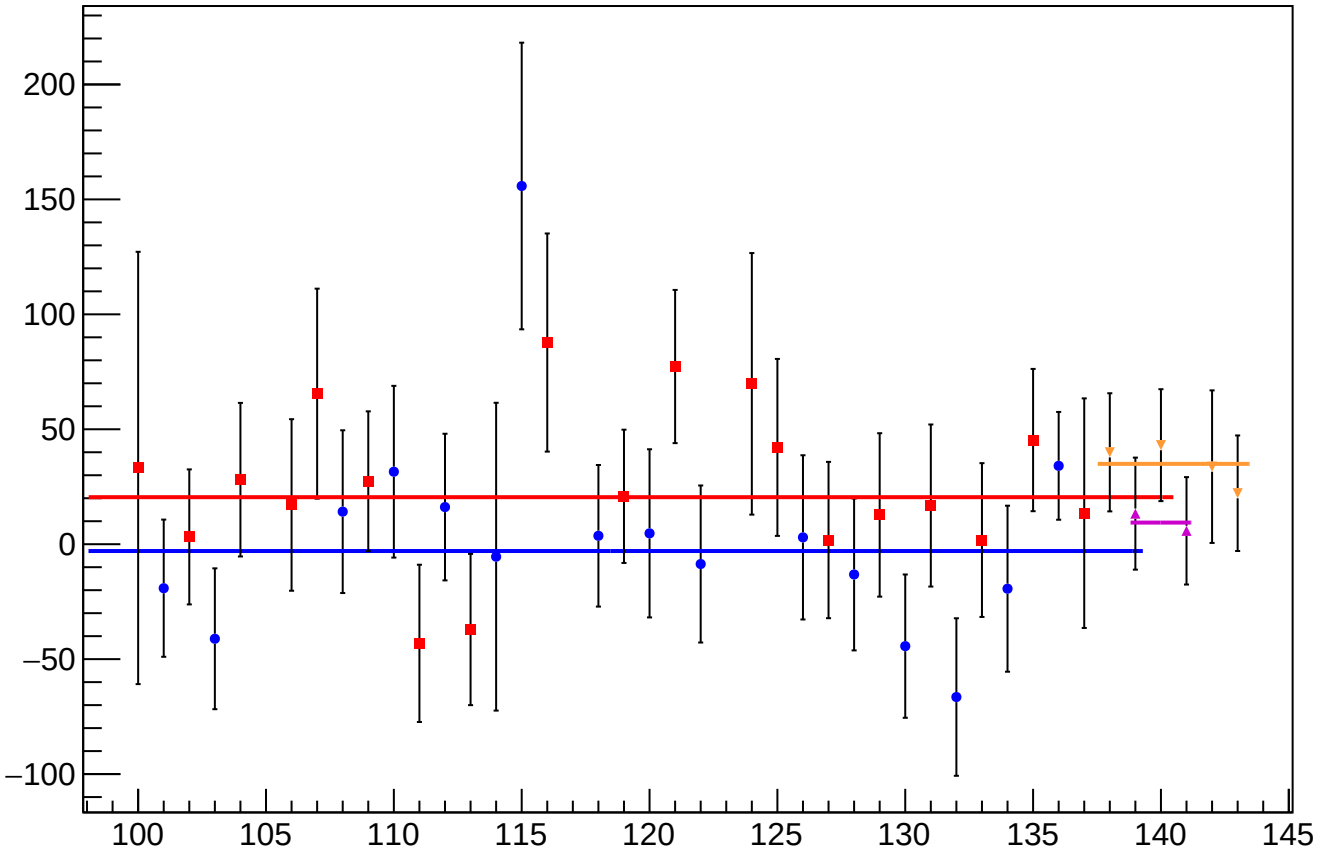
Left: 220.540+/-0.074 χ^2/NDF: 29191.3/5

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 198.661+/-0.049 χ^2/NDF:1025064.5/17

Out: 184.850+/-0.043 χ^2/NDF:1863177.0/22

All: 190.911+/-0.033 χ^2/NDF: 2932609.1/40



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 34.951+/-13.253 χ^2/NDF:0.4/3

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: 25.198+/-10.421 χ^2/NDF: 1.9/5

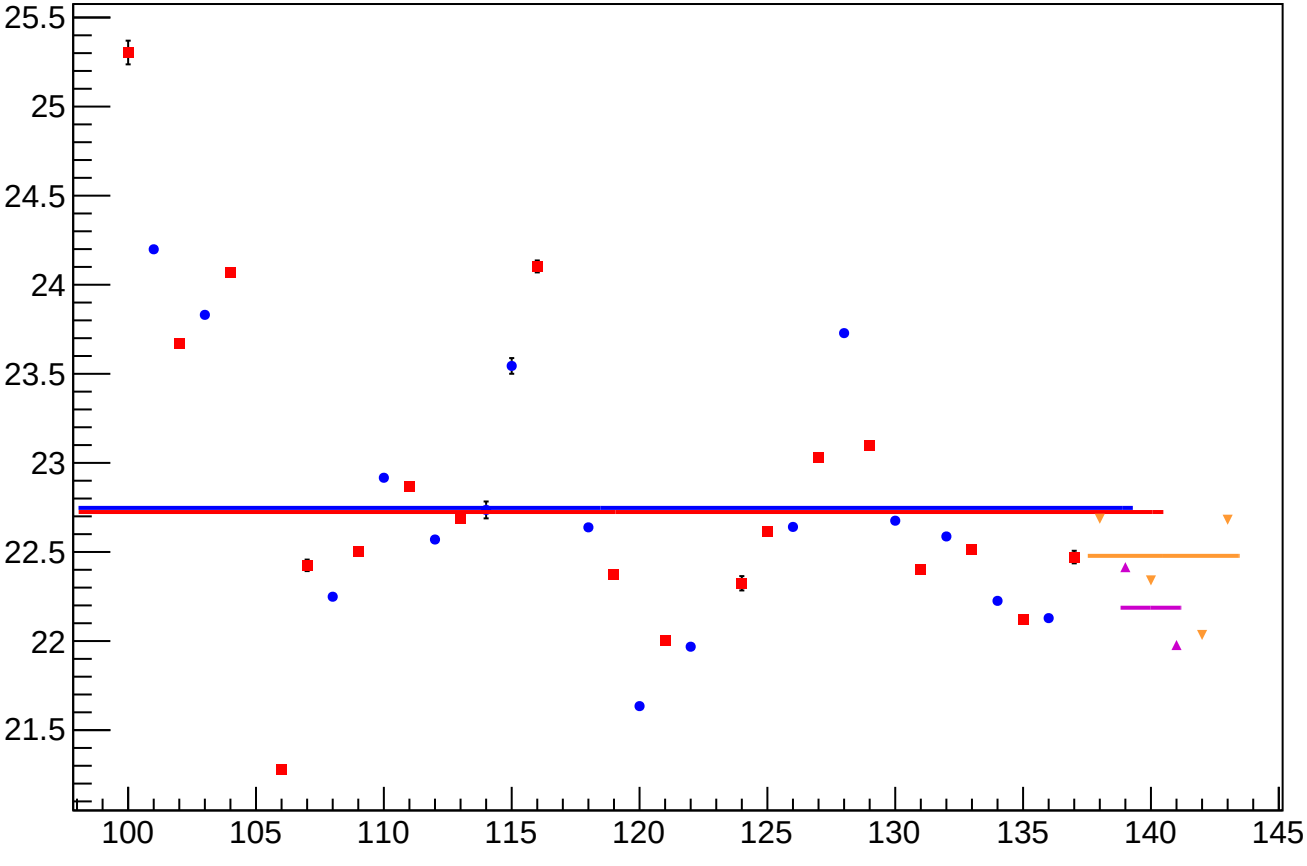
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: -0.483+/-7.558 χ^2/NDF:18.4/17

Out: 24.535+/-7.029 χ^2/NDF:16.6/22

All: 12.931+/-5.147 χ^2/NDF: 40.8/40

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: 22.478+/-0.009 χ^2/NDF:683.7/3

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.187+/-0.012 χ^2/NDF:335.3/1

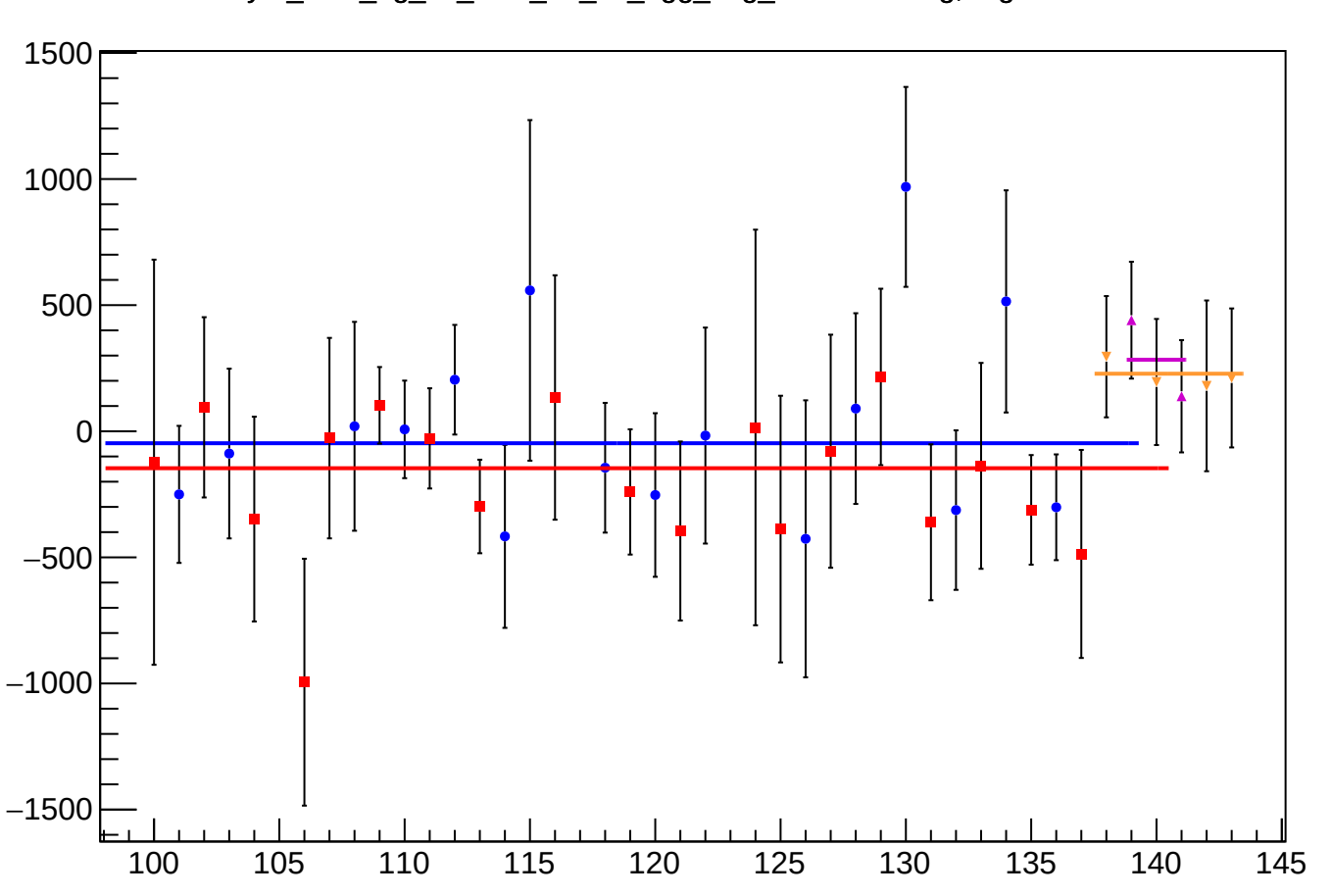
Left: 22.367+/-0.007 χ^2/NDF: 1387.6/5

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

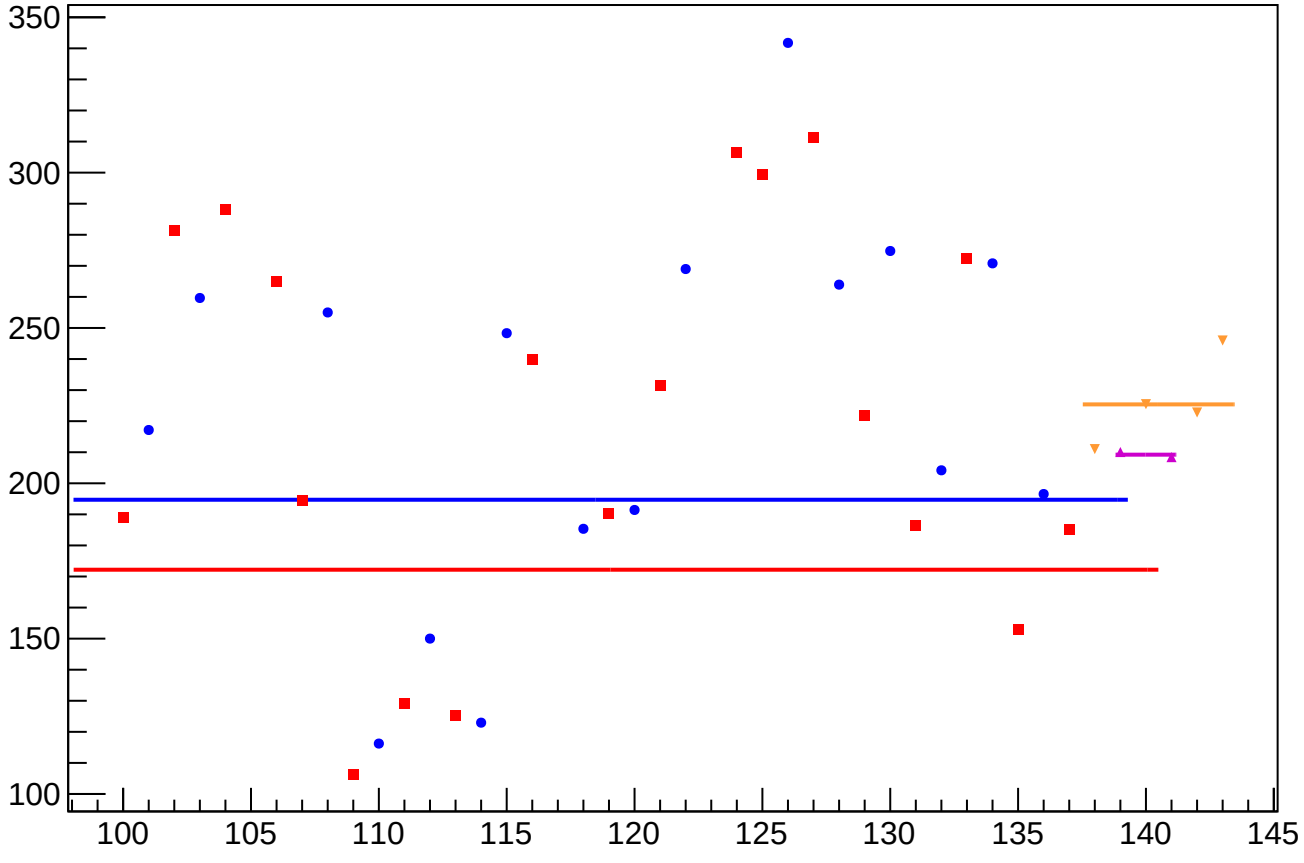
In: 22.635+/-0.005 χ^2/NDF:16722.9/17

Out: 22.655+/-0.005 χ^2/NDF:15669.5/22

All: 22.646+/-0.004 χ^2/NDF: 32399.9/40


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
140
145
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 228.110+/-134.573 χ²/NDF:0.1/3
Right Out: -146.573+/-68.398 χ²/NDF: 11.6/18
Left In: 283.621+/-160.511 χ²/NDF:0.9/1
Left: 251.023+/-103.124 χ²/NDF: 1.1/5
Right: -102.614+/-51.010 χ²/NDF: 27.9/34
In: 13.866+/-69.110 χ²/NDF:19.7/17
Out: -69.653+/-60.974 χ²/NDF:17.9/22
All: -33.097+/-45.723 χ²/NDF: 38.4/40

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: 225.402+/-0.095 χ^2/NDF:18436.8/3

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 209.217+/-0.113 χ^2/NDF:52.3/1

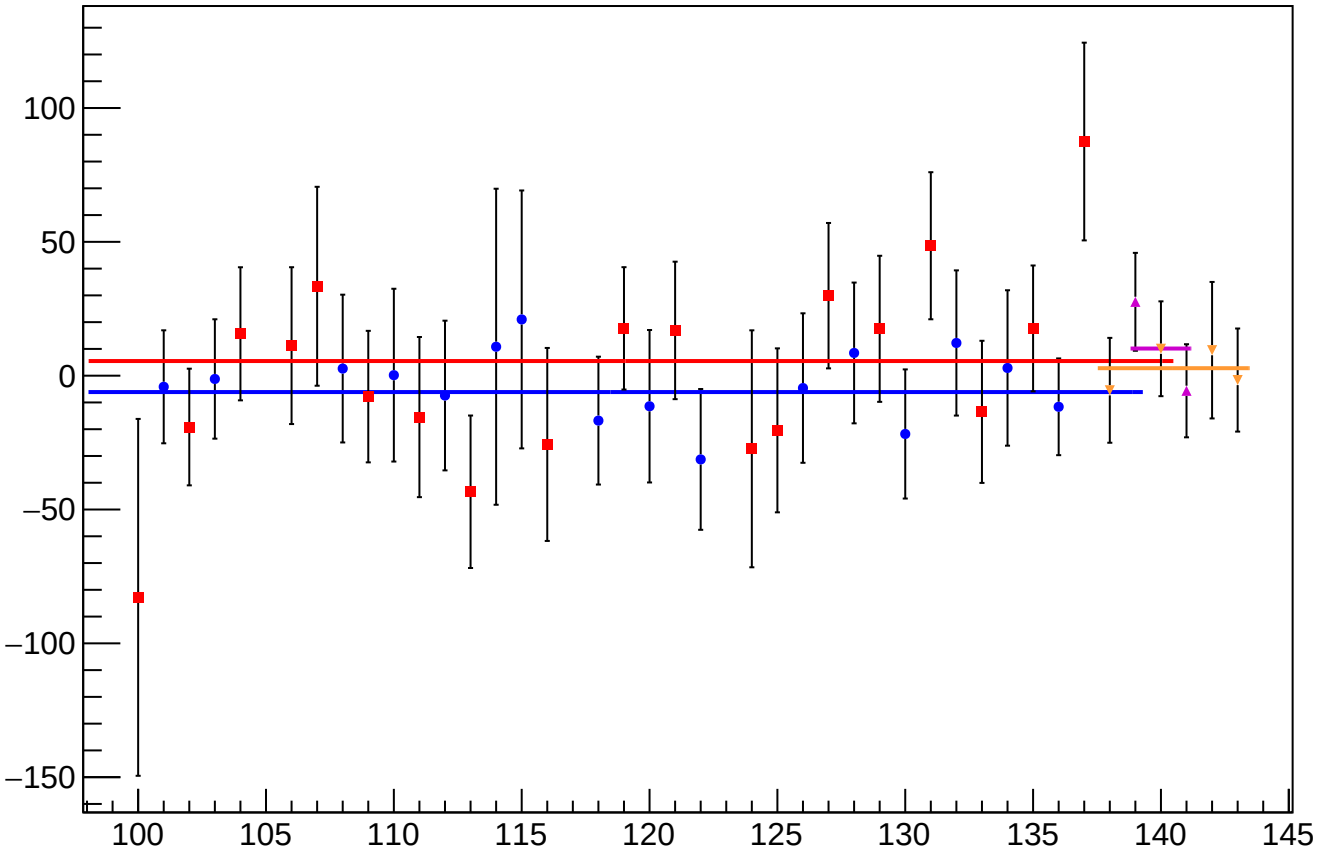
Left: 218.721+/-0.073 χ^2/NDF: 30430.4/5

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 197.398+/-0.049 χ^2/NDF:1065653.3/17

Out: 183.111+/-0.043 χ^2/NDF:1938047.6/22

All: 189.364+/-0.032 χ^2/NDF: 3051760.9/40



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.798+/-9.986 χ^2/NDF:0.5/3

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: 5.631+/-7.827 χ^2/NDF: 2.4/5

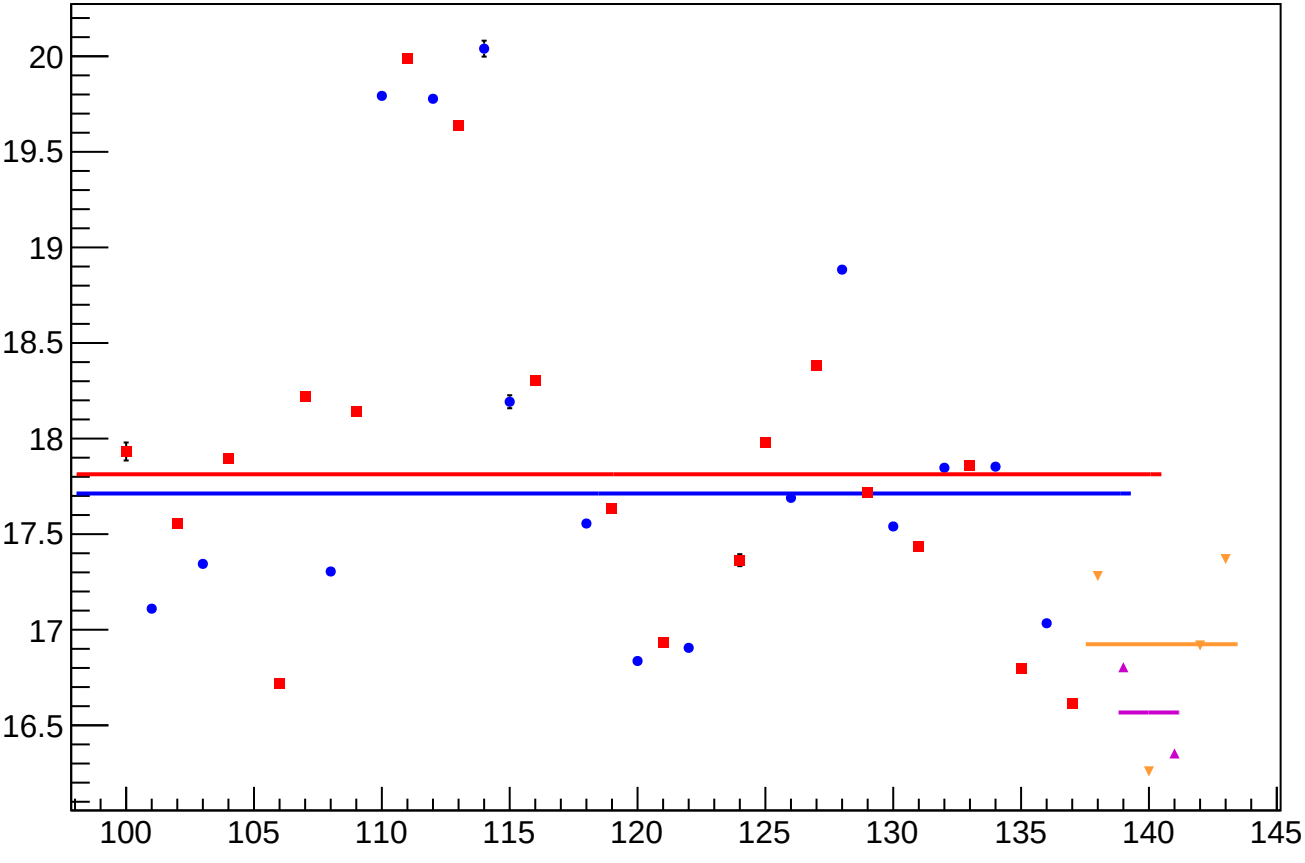
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -2.625+/-5.841 χ^2/NDF:6.2/17

Out: 4.673+/-5.453 χ^2/NDF:19.7/22

All: 1.275+/-3.986 χ^2/NDF: 26.7/40

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: 16.924+/-0.007 χ^2/NDF:4554.6/3

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: 16.786+/-0.006 χ^2/NDF: 6179.8/5

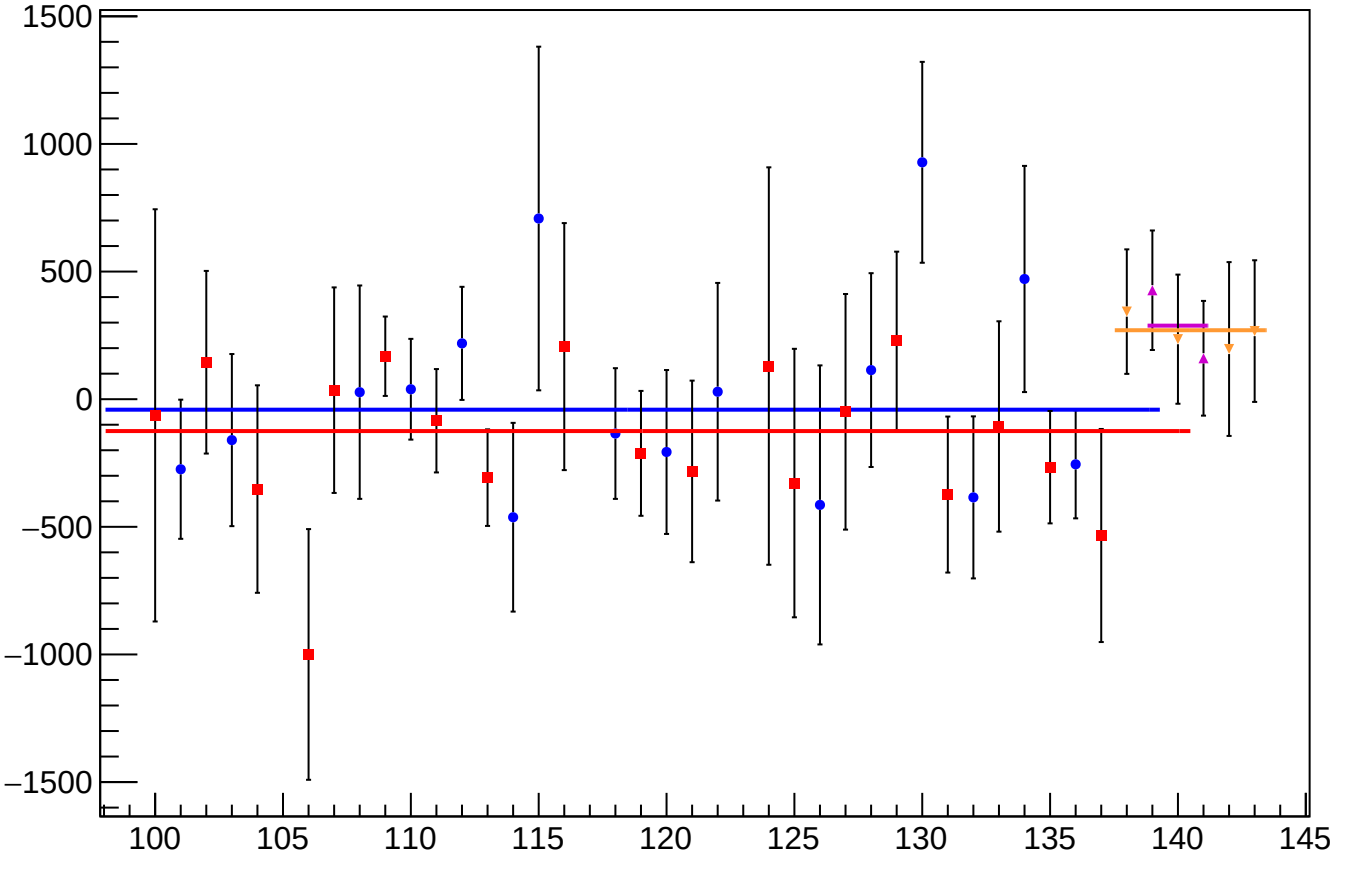
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.467+/-0.004 χ^2/NDF:49598.9/17

Out: 17.548+/-0.004 χ^2/NDF:48394.9/22

All: 17.510+/-0.003 χ^2/NDF: 98202.6/40

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 270.176+/-136.014 χ^2/NDF:0.2/3

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: 277.598+/-104.198 χ^2/NDF: 0.8/5

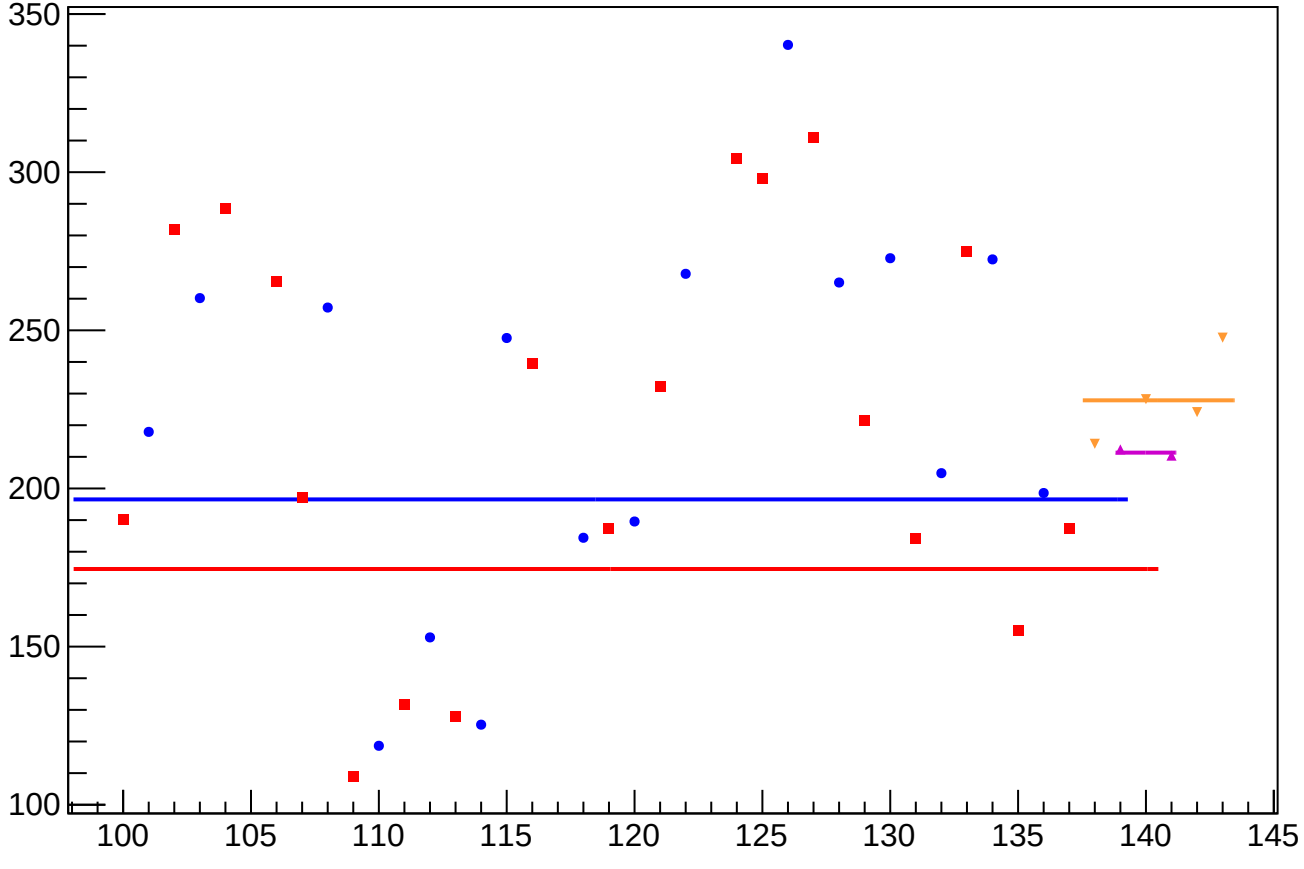
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 19.671+/-69.656 χ^2/NDF:19.7/17

Out: -43.812+/-61.612 χ^2/NDF:19.7/22

All: -15.946+/-46.149 χ^2/NDF: 39.9/40

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: 227.867+/-0.096 χ^2/NDF:16793.6/3

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: 221.035+/-0.074 χ^2/NDF: 29081.0/5

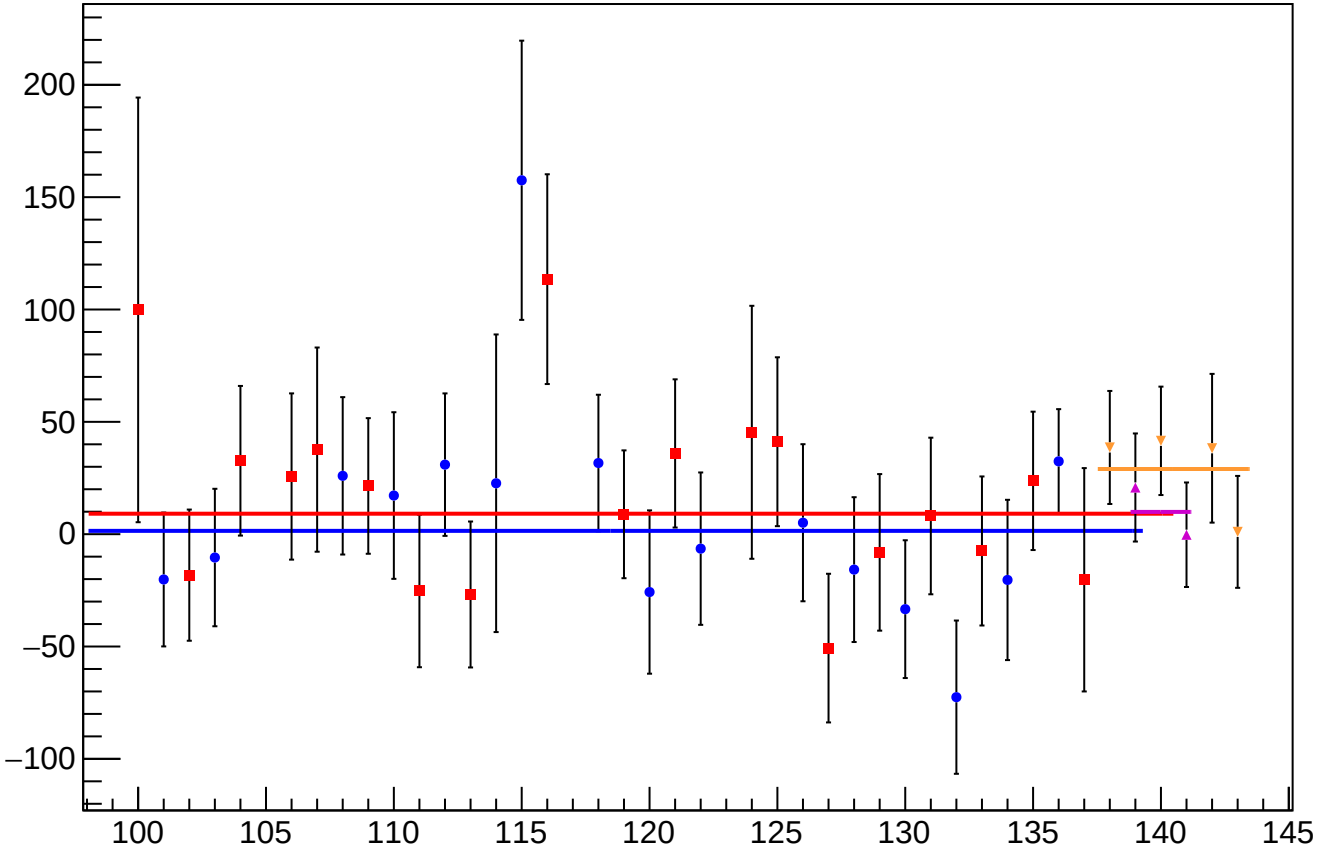
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 199.272+/-0.049 χ^2/NDF:1014412.6/17

Out: 185.482+/-0.044 χ^2/NDF:1849872.3/22

All: 191.535+/-0.033 χ^2/NDF: 2908264.3/40

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: 29.011+/-13.105 χ^2/NDF:1.8/3

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: 21.743+/-10.314 χ^2/NDF: 3.0/5

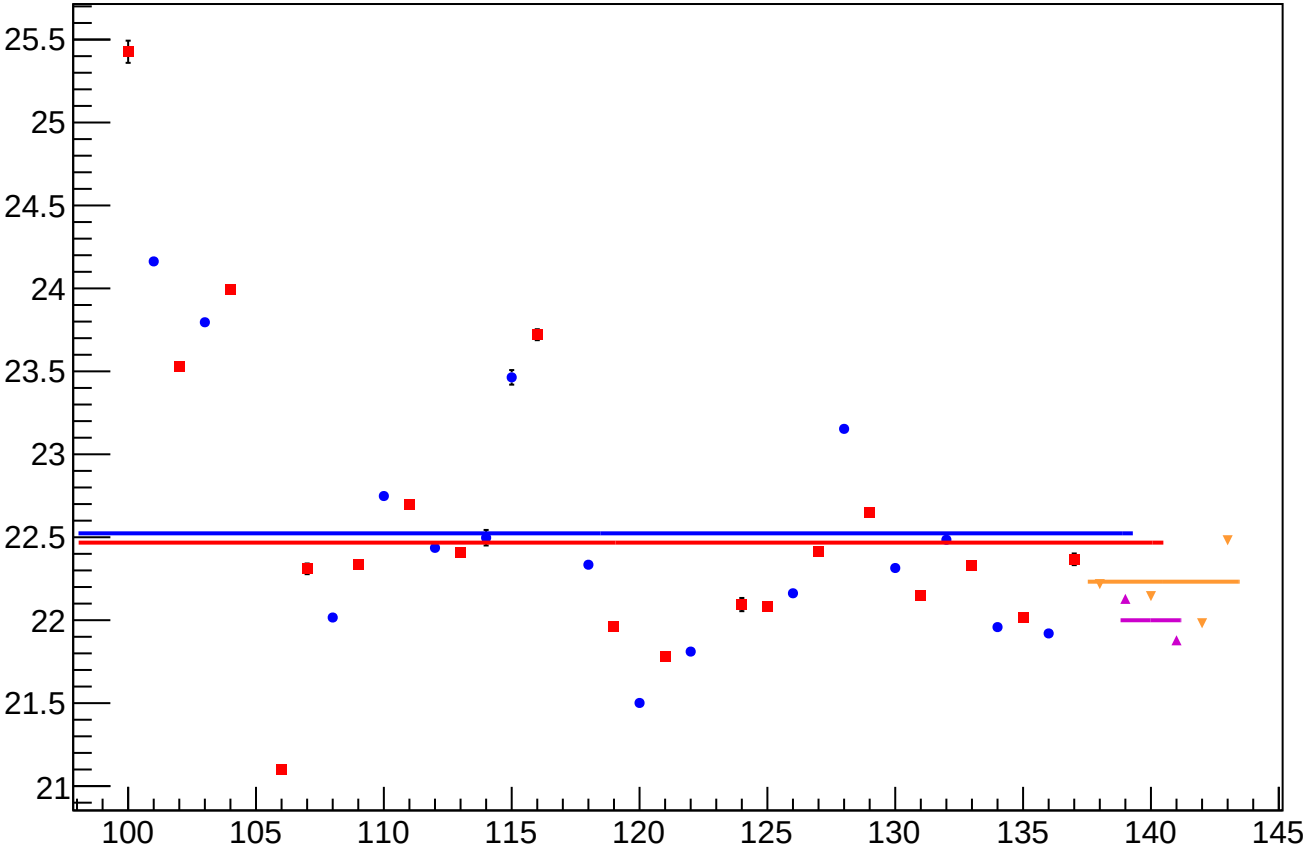
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 3.166+/-7.485 χ^2/NDF:19.3/17

Out: 14.710+/-6.950 χ^2/NDF:19.9/22

All: 9.365+/-5.093 χ^2/NDF: 40.4/40

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: 22.232+/-0.009 χ^2/NDF:342.4/3

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: 22.144+/-0.007 χ^2/NDF: 693.4/5

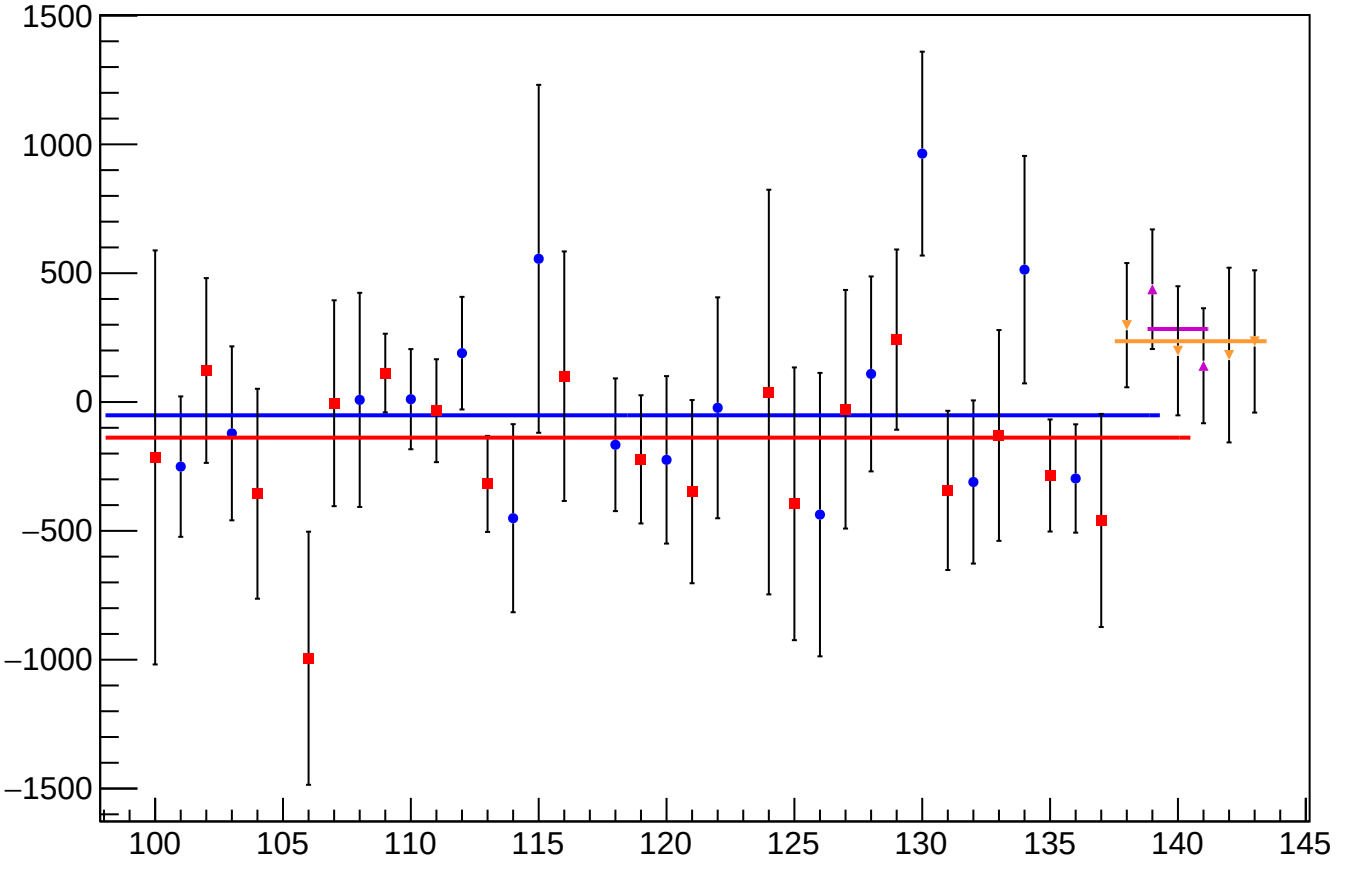
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.419+/-0.005 χ^2/NDF:17629.5/17

Out: 22.401+/-0.005 χ^2/NDF:16432.8/22

All: 22.409+/-0.004 χ^2/NDF: 34067.9/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 236.027+/-134.887 χ^2/NDF:0.1/3

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: 255.589+/-103.358 χ^2/NDF: 1.0/5

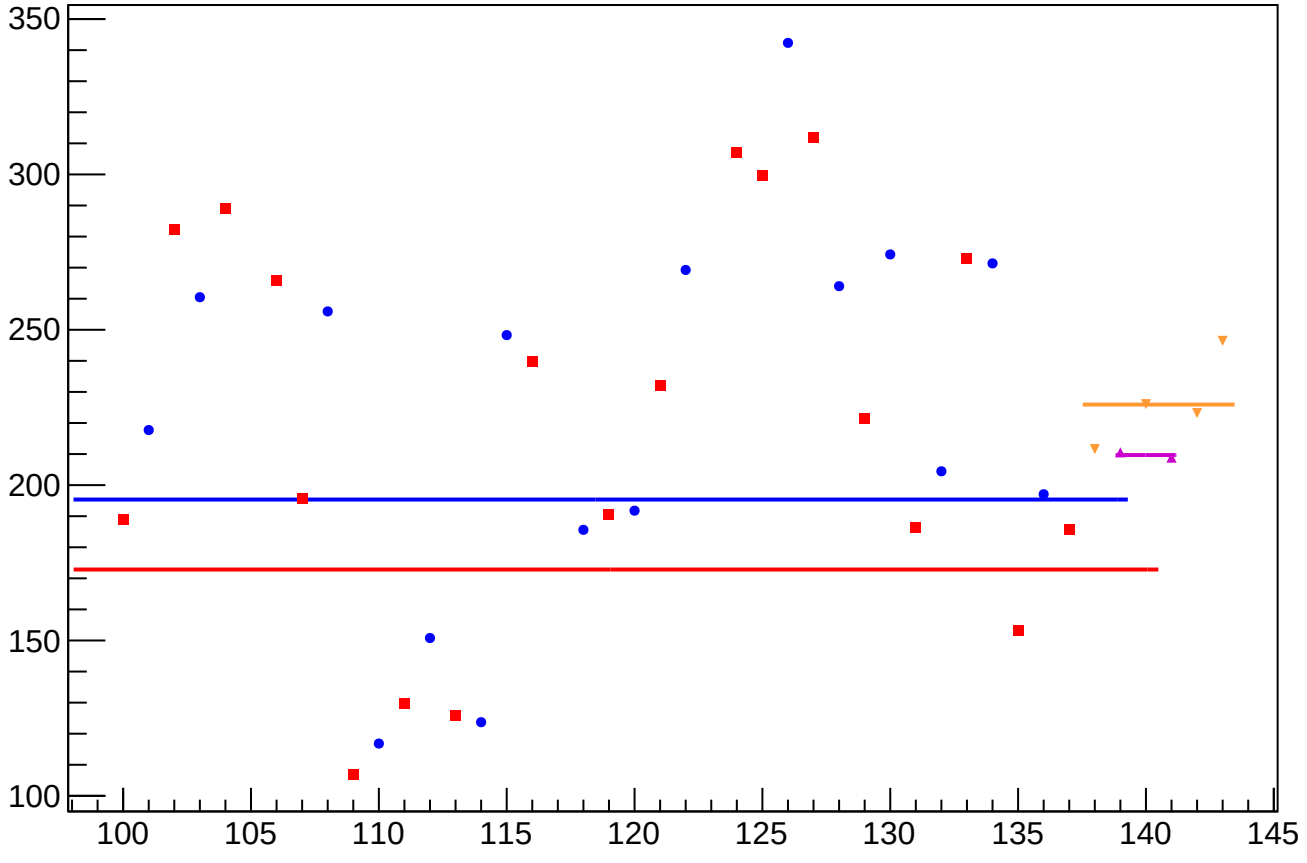
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 10.673+/-69.305 χ^2/NDF:19.7/17

Out: -61.241+/-61.164 χ^2/NDF:17.8/22

All: -29.754+/-45.859 χ^2/NDF: 38.2/40

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: 225.930+/-0.095 χ^2/NDF:18246.9/3

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: 219.219+/-0.073 χ^2/NDF: 30296.5/5

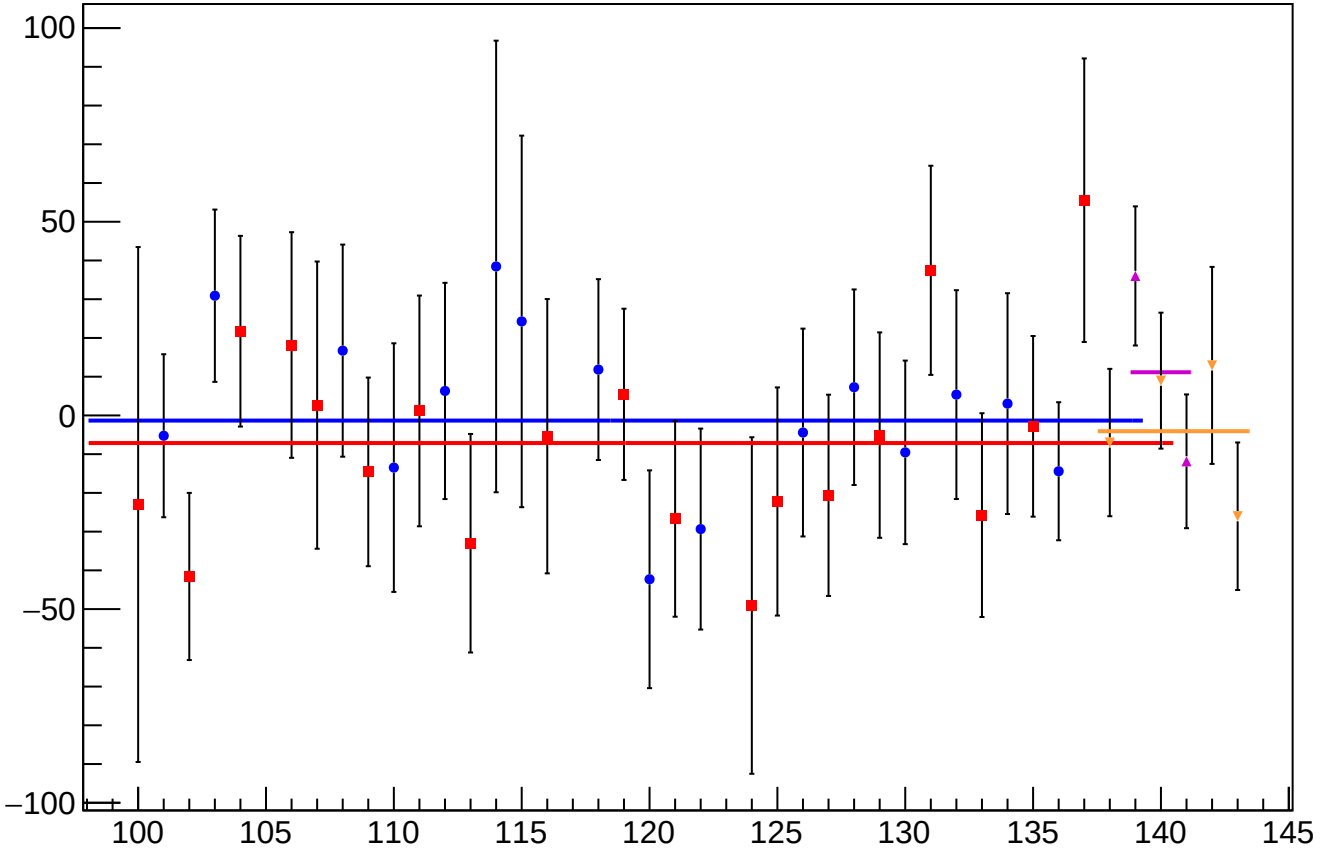
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 198.018+/-0.049 χ^2/NDF:1054382.3/17

Out: 183.754+/-0.043 χ^2/NDF:1923828.8/22

All: 189.999+/-0.032 χ^2/NDF: 3025836.6/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -4.073+/-9.847 χ^2/NDF:2.4/3

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: 1.786+/-7.723 χ^2/NDF: 7.0/5

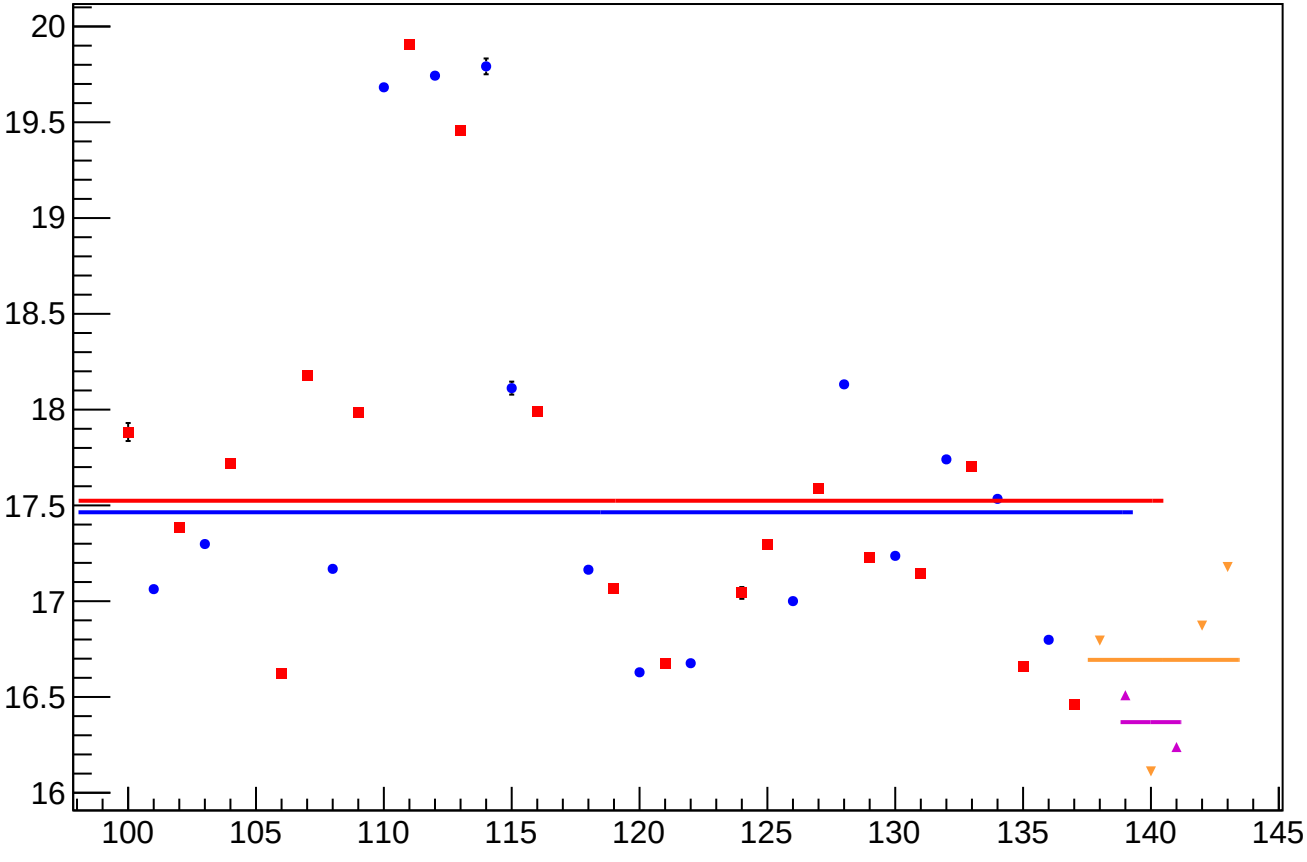
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.342+/-5.761 χ^2/NDF:12.5/17

Out: -6.219+/-5.367 χ^2/NDF:16.8/22

All: -2.706+/-3.927 χ^2/NDF: 30.3/40

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: 16.694+/-0.007 χ^2/NDF:3651.8/3

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.369+/-0.009 χ^2/NDF:235.5/1

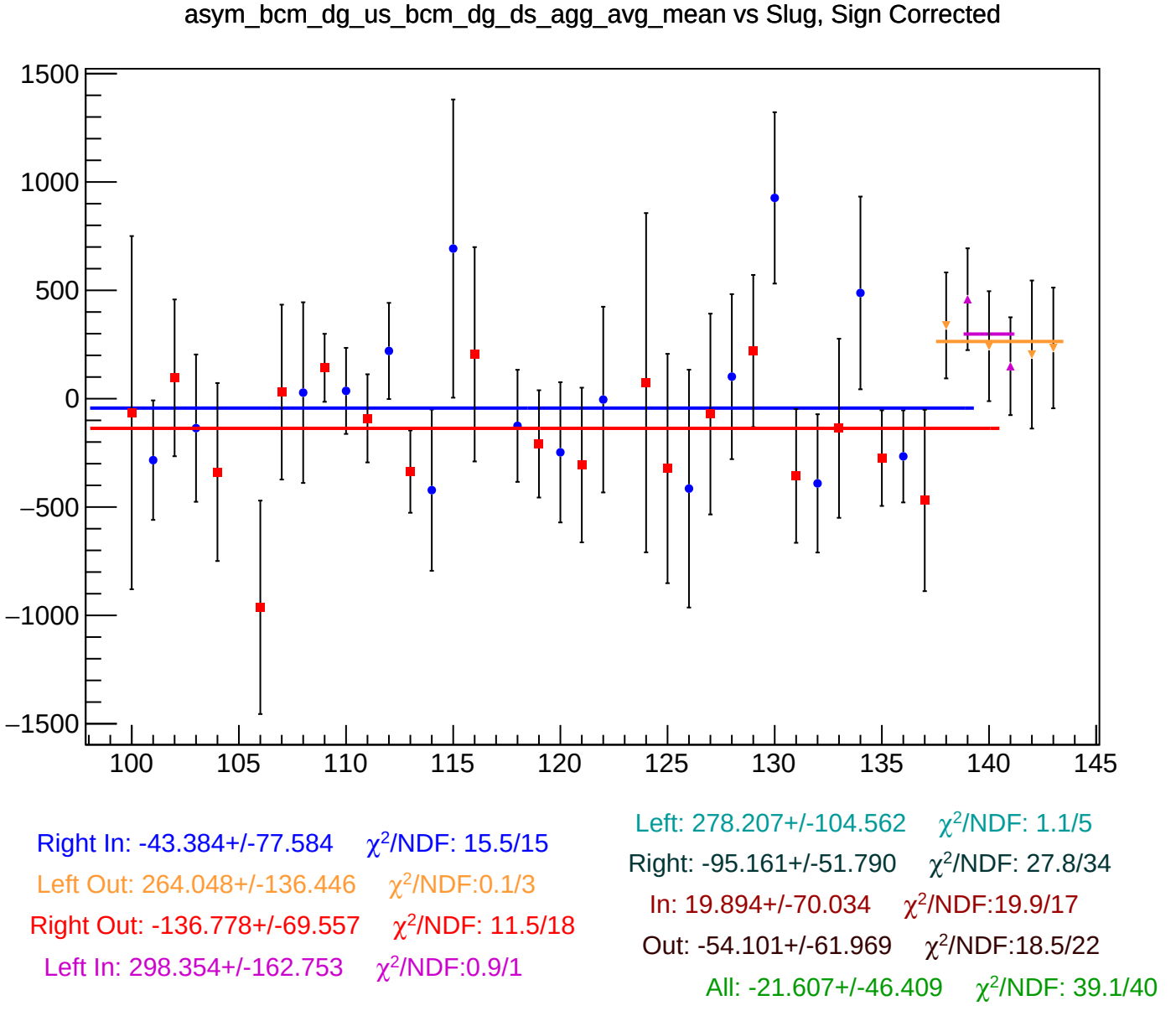
Left: 16.569+/-0.005 χ^2/NDF: 4726.2/5

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.230+/-0.004 χ^2/NDF:49059.1/17

Out: 17.278+/-0.004 χ^2/NDF:48379.9/22

All: 17.255+/-0.003 χ^2/NDF: 97513.4/40


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
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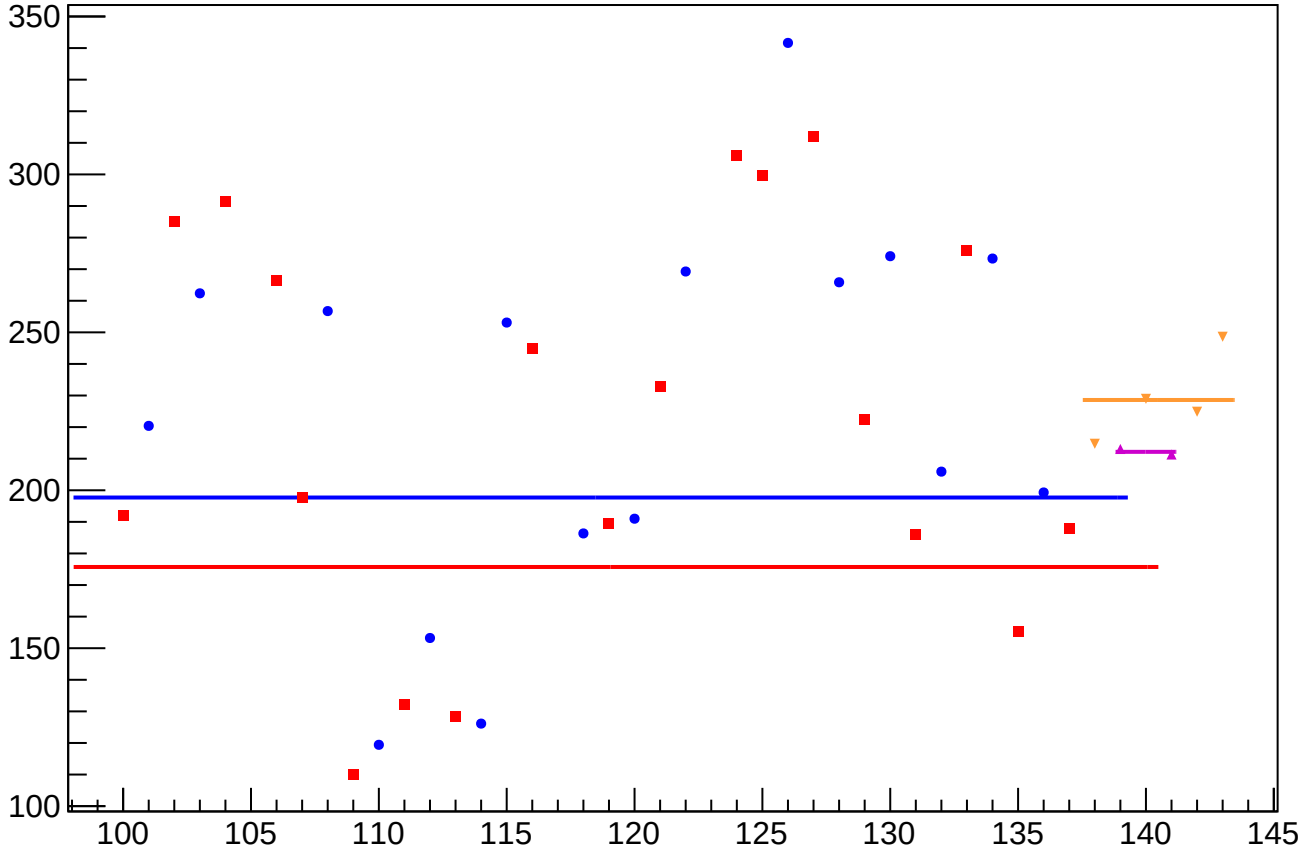
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
140
145
Right In: -43.384+/-77.584 χ²/NDF: 15.5/15
Left Out: 264.048+/-136.446 χ²/NDF:0.1/3
Right Out: -136.778+/-69.557 χ²/NDF: 11.5/18
Left In: 298.354+/-162.753 χ²/NDF:0.9/1
Left: 278.207+/-104.562 χ²/NDF: 1.1/5
Right: -95.161+/-51.790 χ²/NDF: 27.8/34
In: 19.894+/-70.034 χ²/NDF:19.9/17
Out: -54.101+/-61.969 χ²/NDF:18.5/22
All: -21.607+/-46.409 χ²/NDF: 39.1/40

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: 228.589+/-0.096 χ^2/NDF:17000.9/3

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 212.169+/-0.115 χ^2/NDF:57.7/1

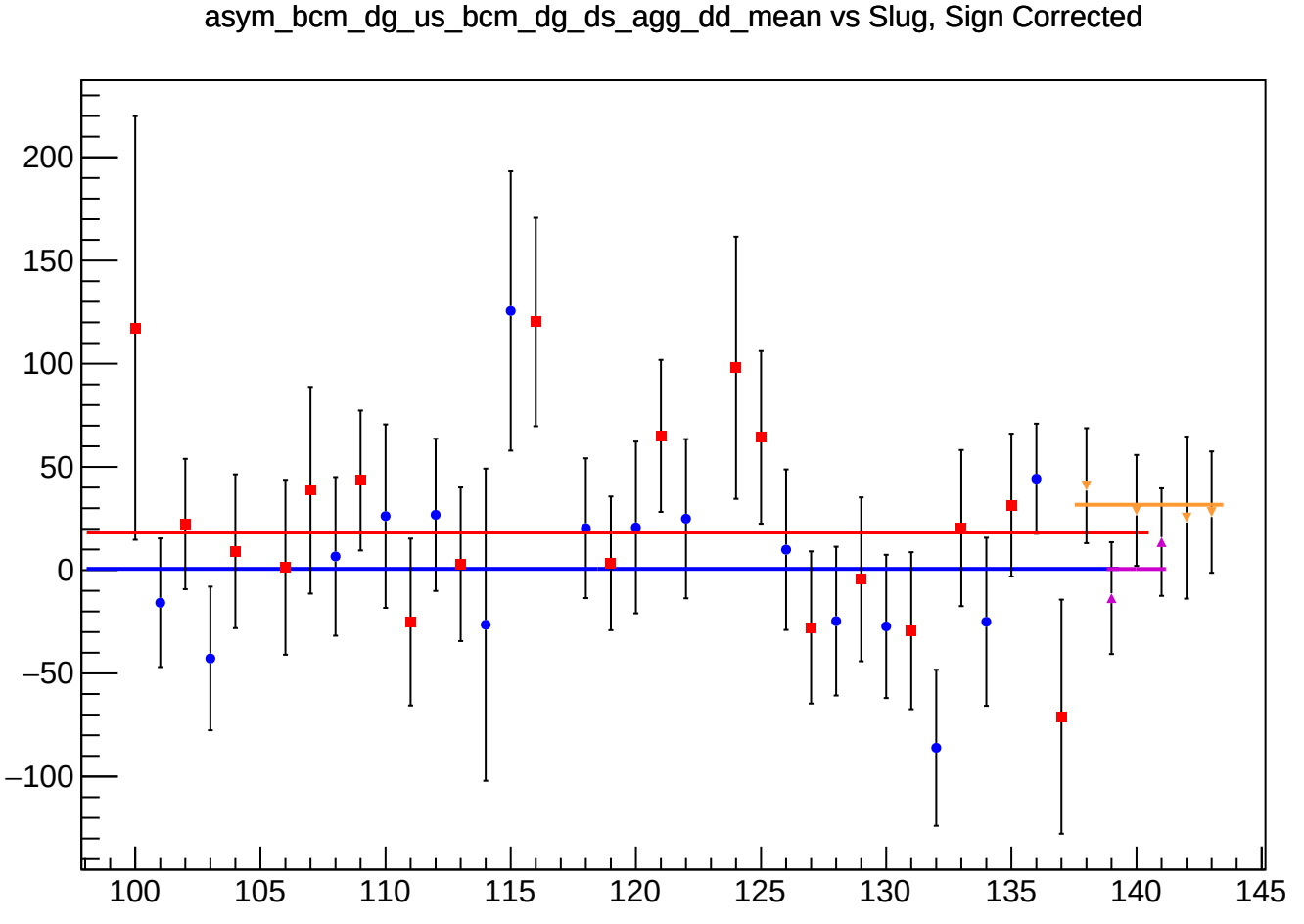
Left: 221.812+/-0.074 χ^2/NDF: 29014.2/5

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 200.385+/-0.050 χ^2/NDF:1013248.8/17

Out: 186.622+/-0.044 χ^2/NDF:1845935.0/22

All: 192.666+/-0.033 χ^2/NDF: 2902507.1/40



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.674+/-14.938 χ^2/NDF:0.2/3

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: 19.608+/-11.688 χ^2/NDF: 2.4/5

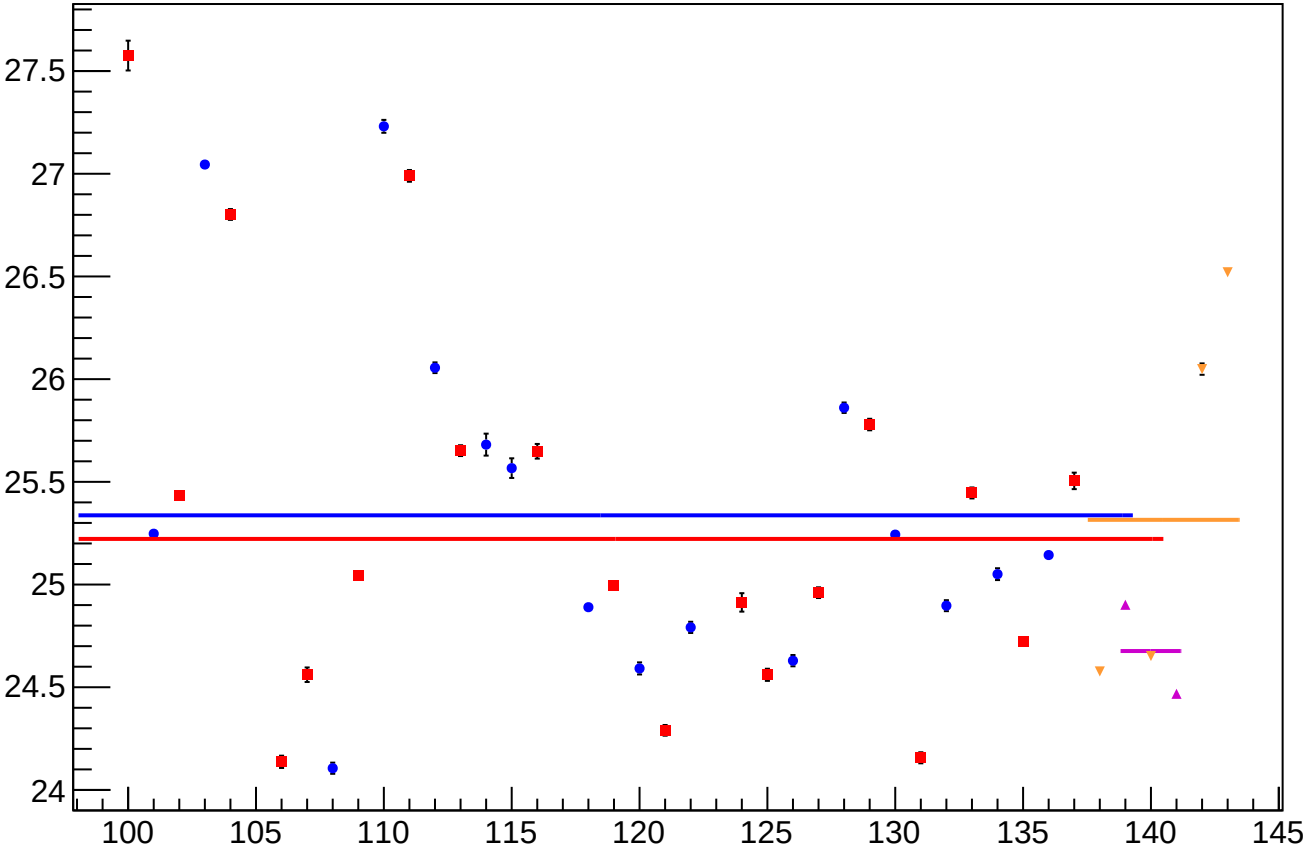
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 0.607+/-8.420 χ^2/NDF:17.3/17

Out: 21.945+/-7.839 χ^2/NDF:18.7/22

All: 12.038+/-5.737 χ^2/NDF: 39.4/40

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: 25.315+/-0.011 χ^2/NDF:6685.1/3

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: 25.067+/-0.008 χ^2/NDF: 8369.5/5

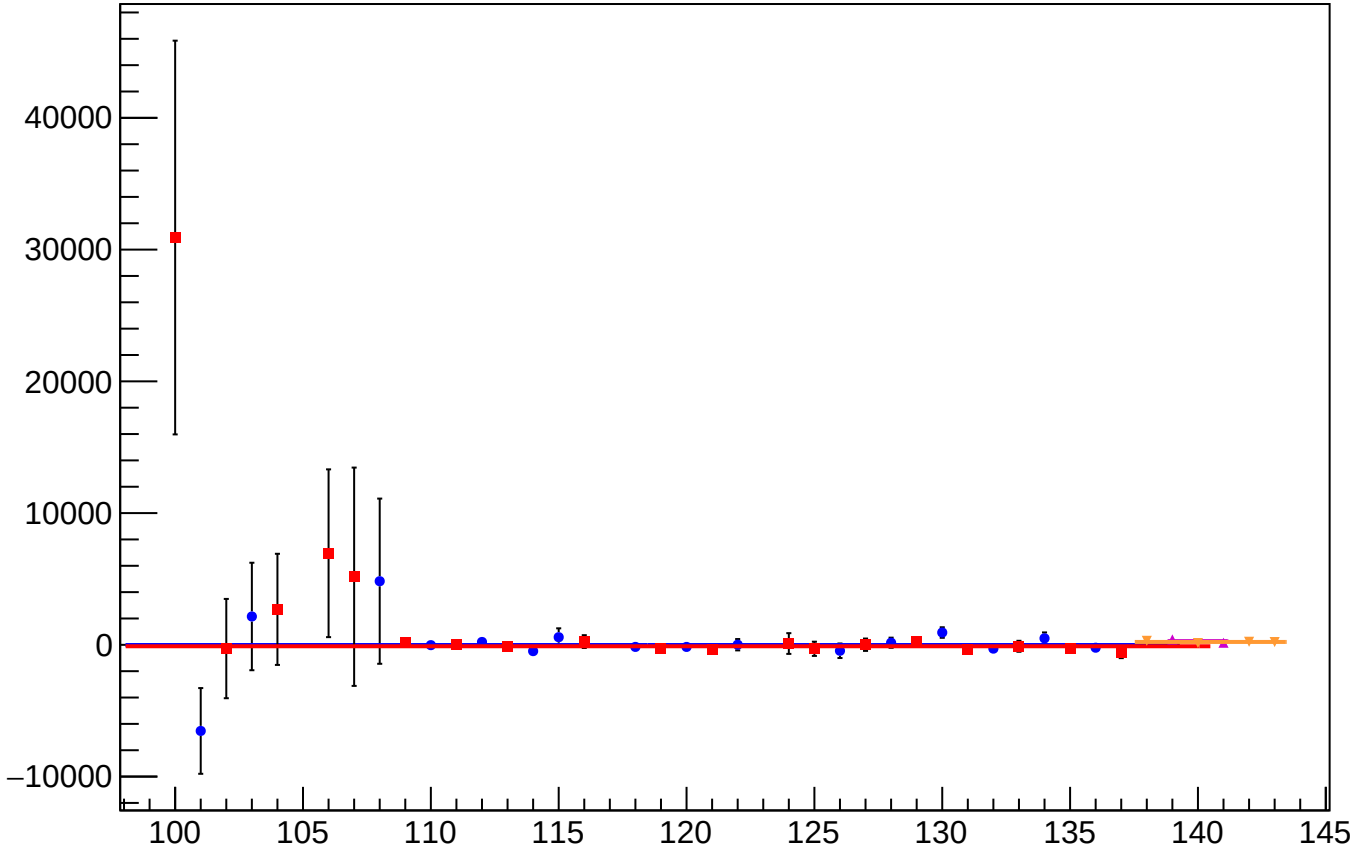
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.204+/-0.006 χ^2/NDF:16560.6/17

Out: 25.248+/-0.006 χ^2/NDF:21965.6/22

All: 25.227+/-0.004 χ^2/NDF: 38555.1/40

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: 219.395+/-136.864 χ^2/NDF:0.2/3

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: 245.878+/-103.972 χ^2/NDF: 1.0/5

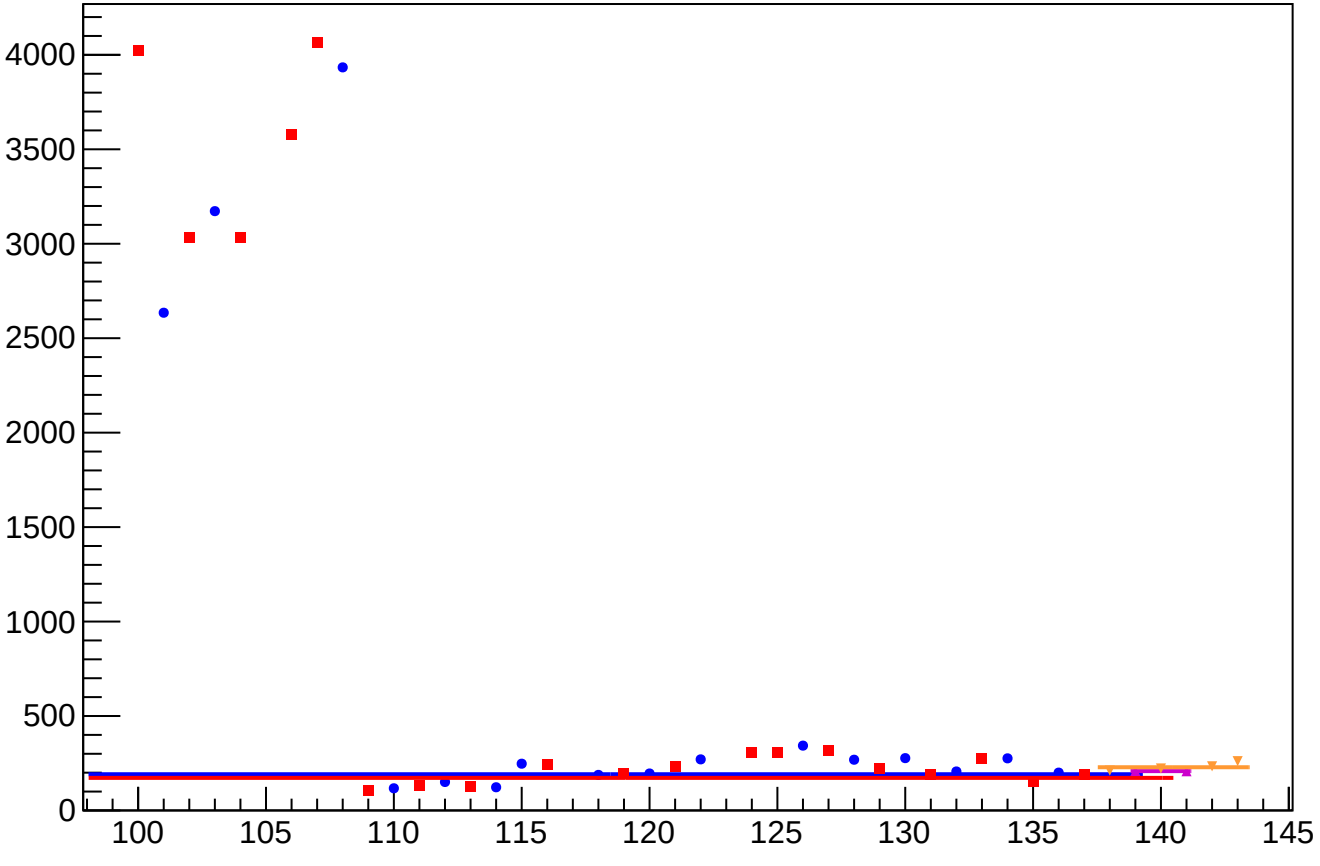
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 49.740+/-74.847 χ^2/NDF:21.6/17

Out: -28.203+/-67.832 χ^2/NDF:18.6/22

All: 6.946+/-50.262 χ^2/NDF: 40.9/40

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: 228.768+/-0.097 χ^2/NDF:36861.4/3

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: 220.088+/-0.074 χ^2/NDF: 55919.4/5

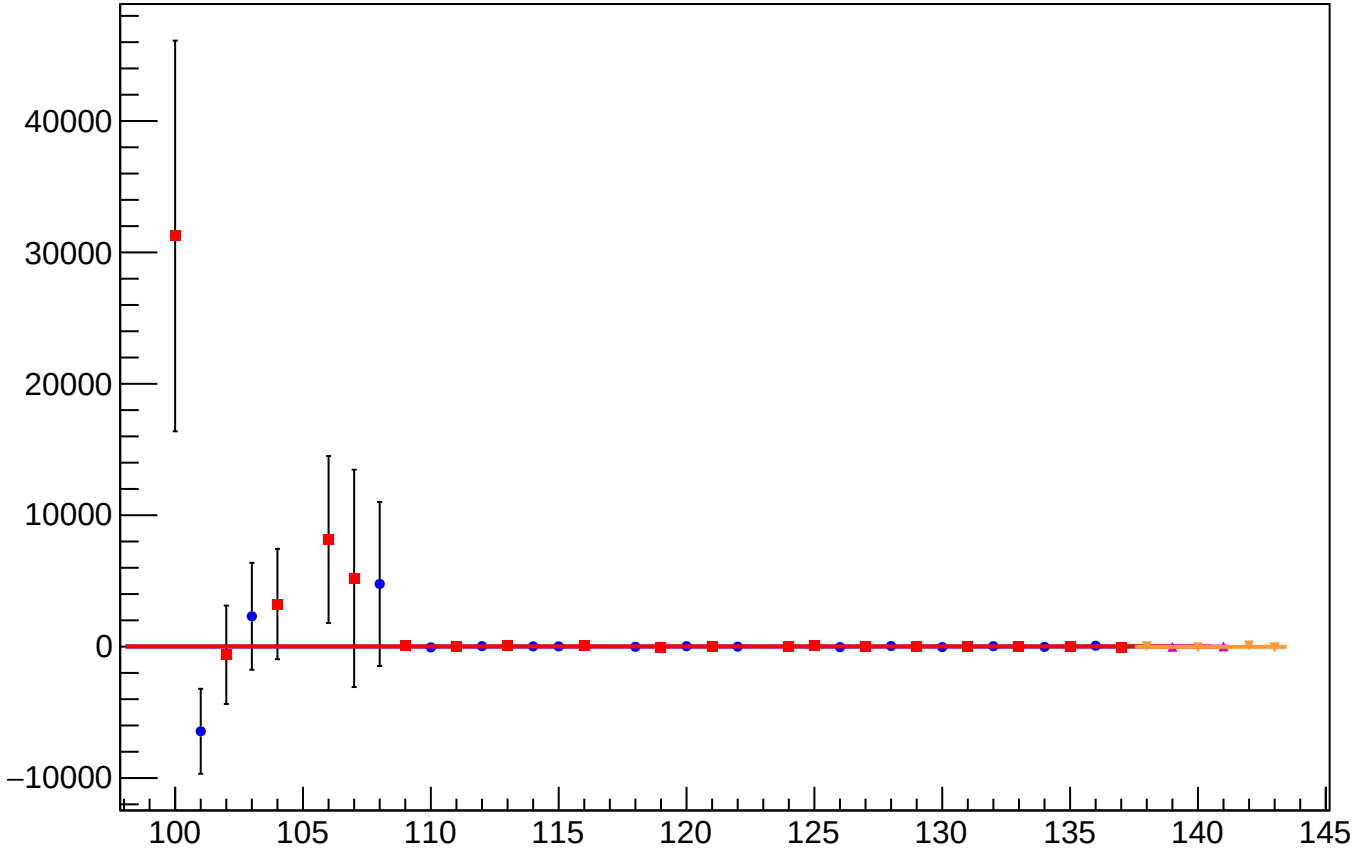
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 195.353+/-0.053 χ^2/NDF:3838490.2/17

Out: 186.293+/-0.048 χ^2/NDF:4595340.2/22

All: 190.379+/-0.036 χ^2/NDF: 8449921.4/40

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: -14.862+/-17.361 χ^2/NDF:9.0/3

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: -6.954+/-13.384 χ^2/NDF: 9.9/5

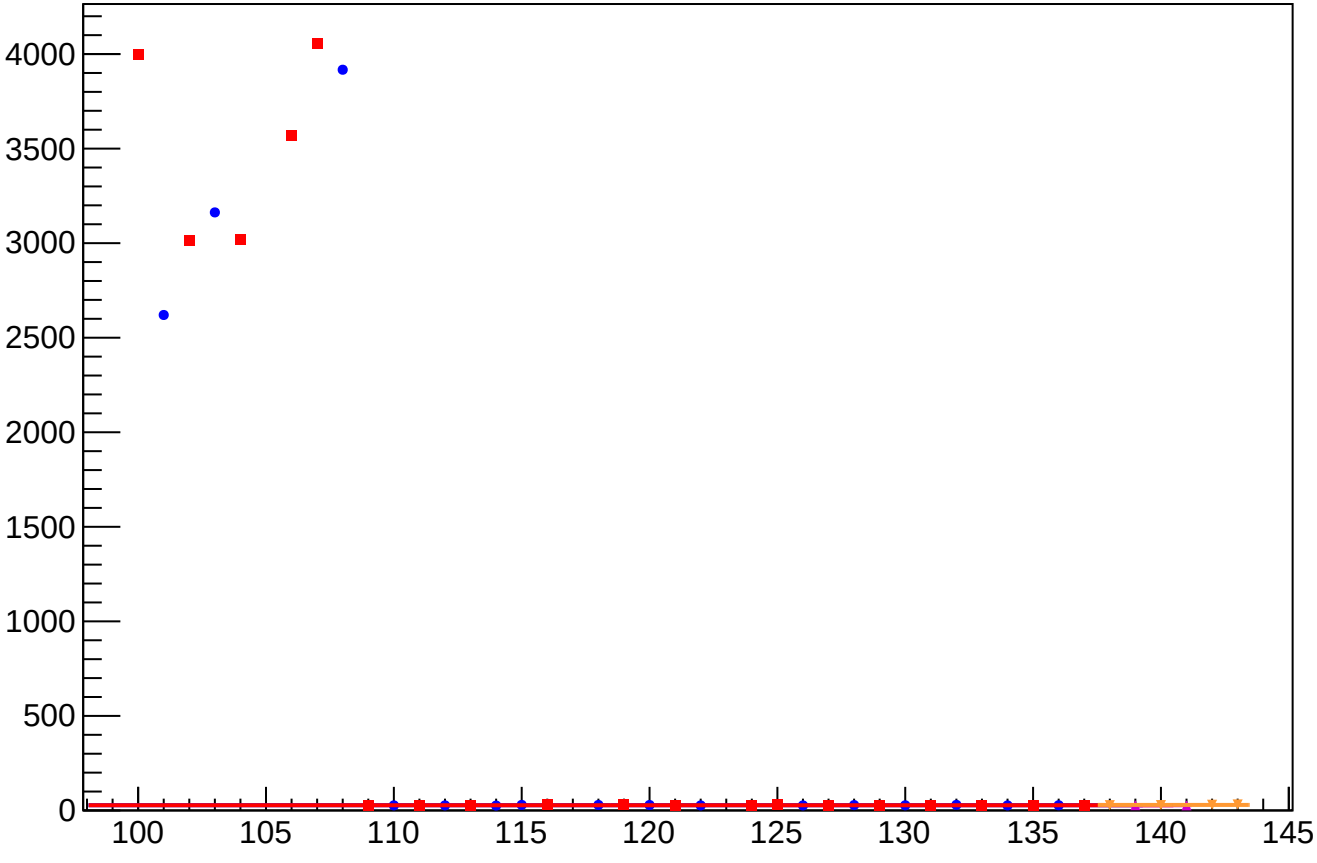
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 8.408+/-10.212 χ^2/NDF:16.4/17

Out: 7.682+/-9.762 χ^2/NDF:36.2/22

All: 8.028+/-7.057 χ^2/NDF: 52.7/40

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: 29.265+/-0.012 χ^2/NDF:16667.8/3

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 27.574+/-0.015 χ^2/NDF:722.4/1

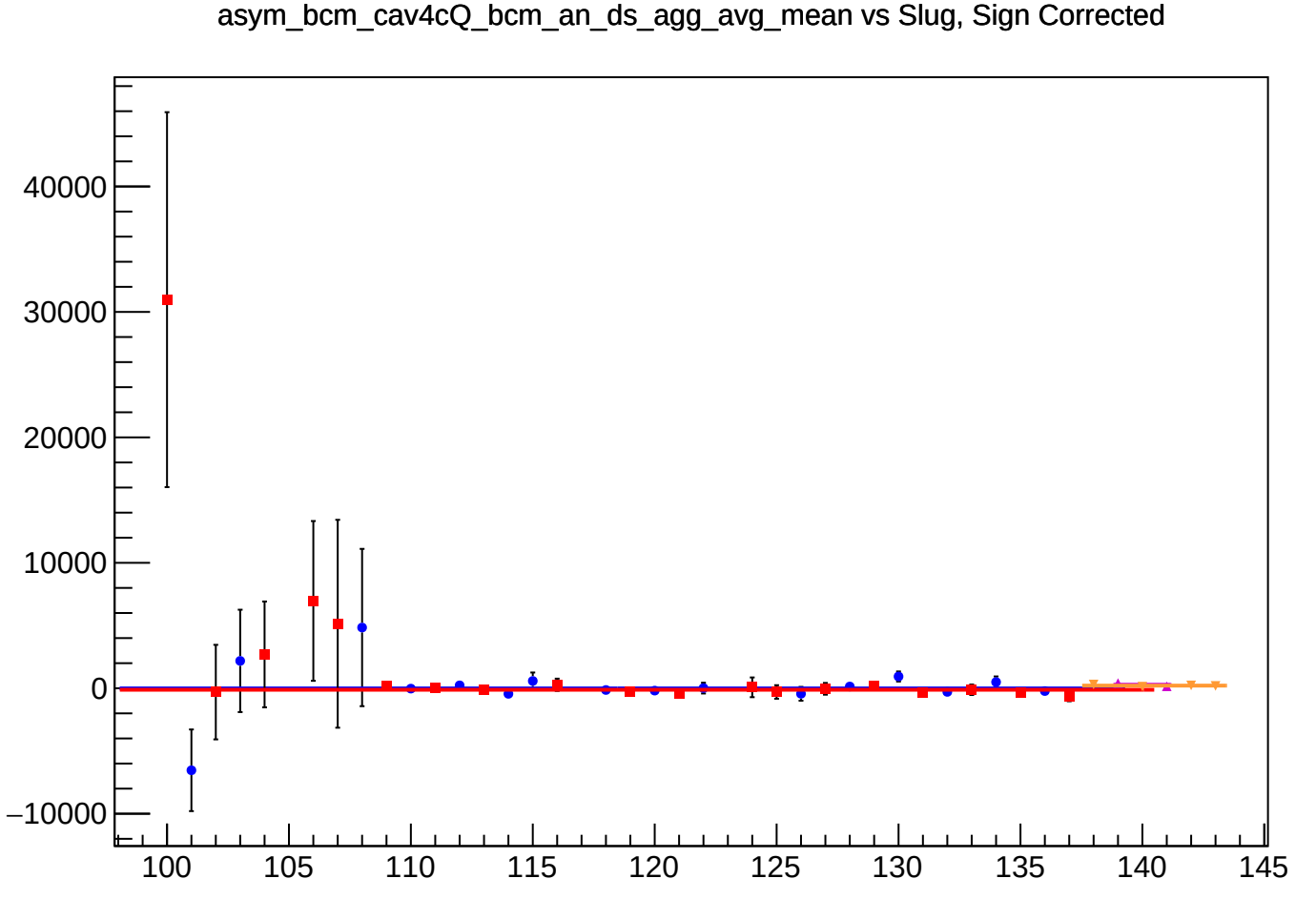
Left: 28.579+/-0.009 χ^2/NDF: 25096.1/5

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 27.626+/-0.007 χ^2/NDF:3266236.8/17

Out: 28.082+/-0.007 χ^2/NDF:3585490.7/22

All: 27.864+/-0.005 χ^2/NDF: 6853814.1/40



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 211.981+/-136.547 χ^2/NDF:0.3/3

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 282.328+/-159.537 χ^2/NDF:0.7/1

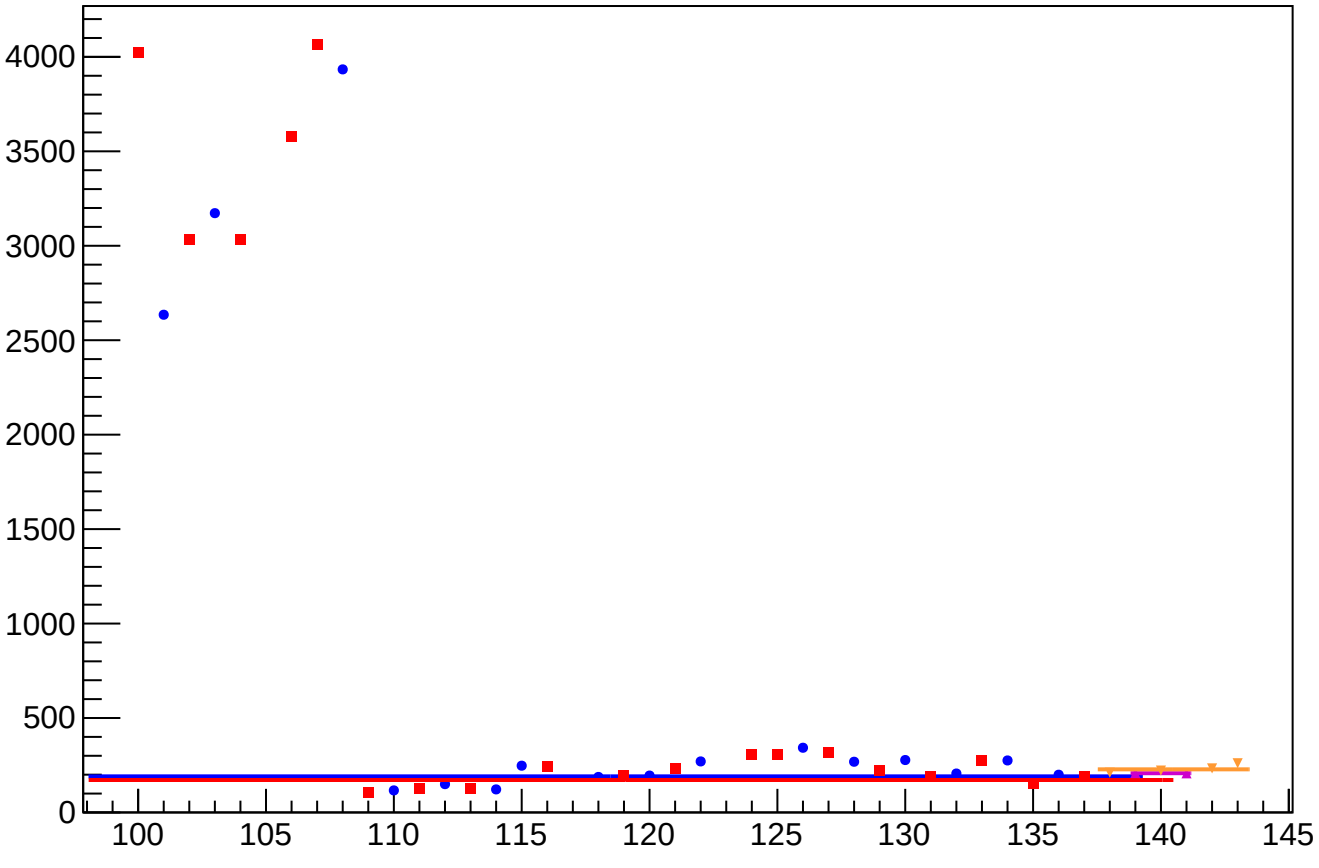
Left: 241.725+/-103.738 χ^2/NDF: 1.0/5

Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 51.519+/-74.641 χ^2/NDF:21.7/17

Out: -37.080+/-67.639 χ^2/NDF:19.1/22

All: 2.870+/-50.121 χ^2/NDF: 41.5/40



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 228.231+/-0.097 χ^2/NDF:37226.2/3

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 207.790+/-0.113 χ^2/NDF:34.7/1

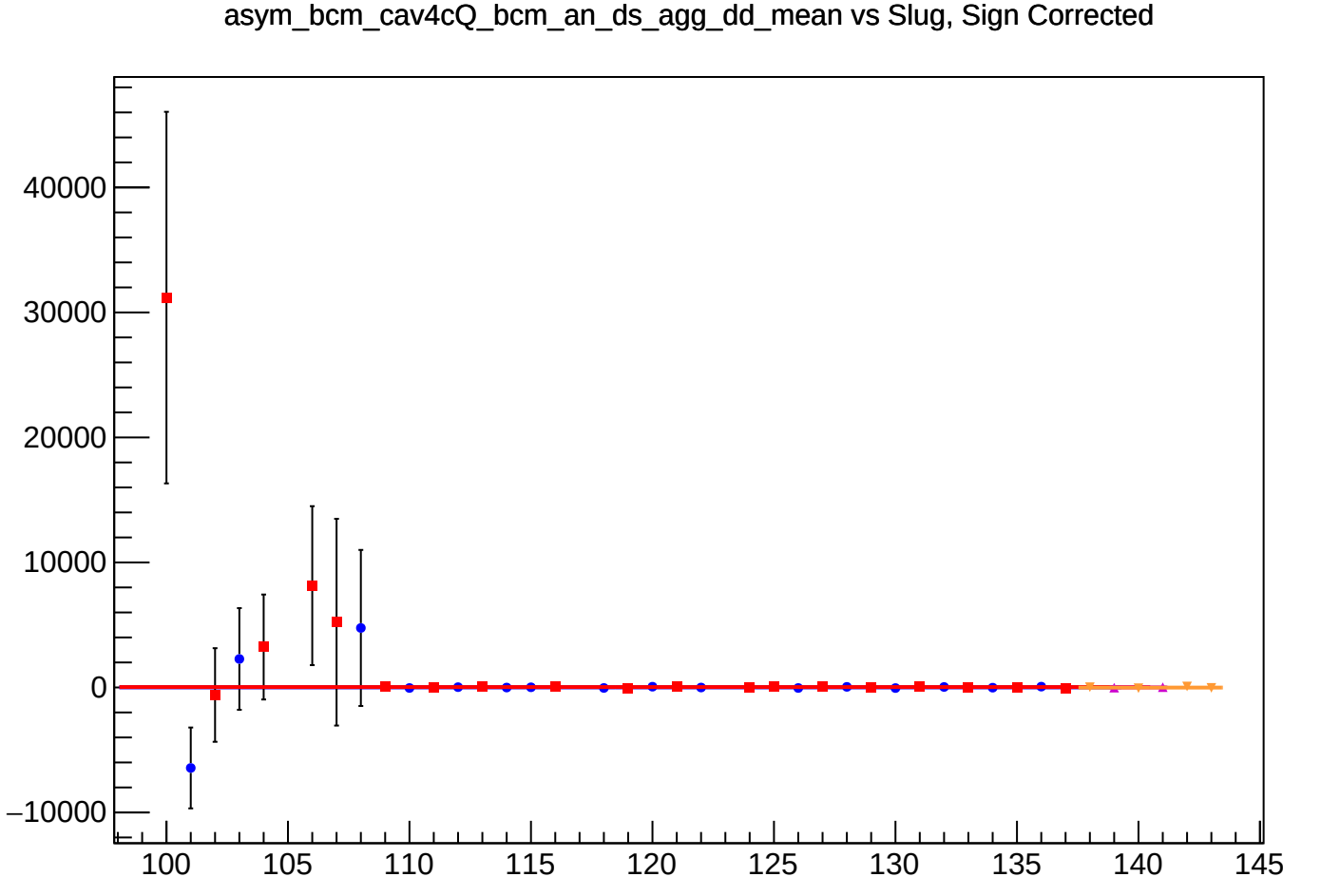
Left: 219.588+/-0.073 χ^2/NDF: 56210.8/5

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 194.730+/-0.053 χ^2/NDF:3851147.2/17

Out: 185.673+/-0.048 χ^2/NDF:4609398.6/22

All: 189.757+/-0.035 χ^2/NDF: 8476714.6/40



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.615+/-17.460 χ^2/NDF:7.6/3

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: -3.577+/-13.447 χ^2/NDF: 8.7/5

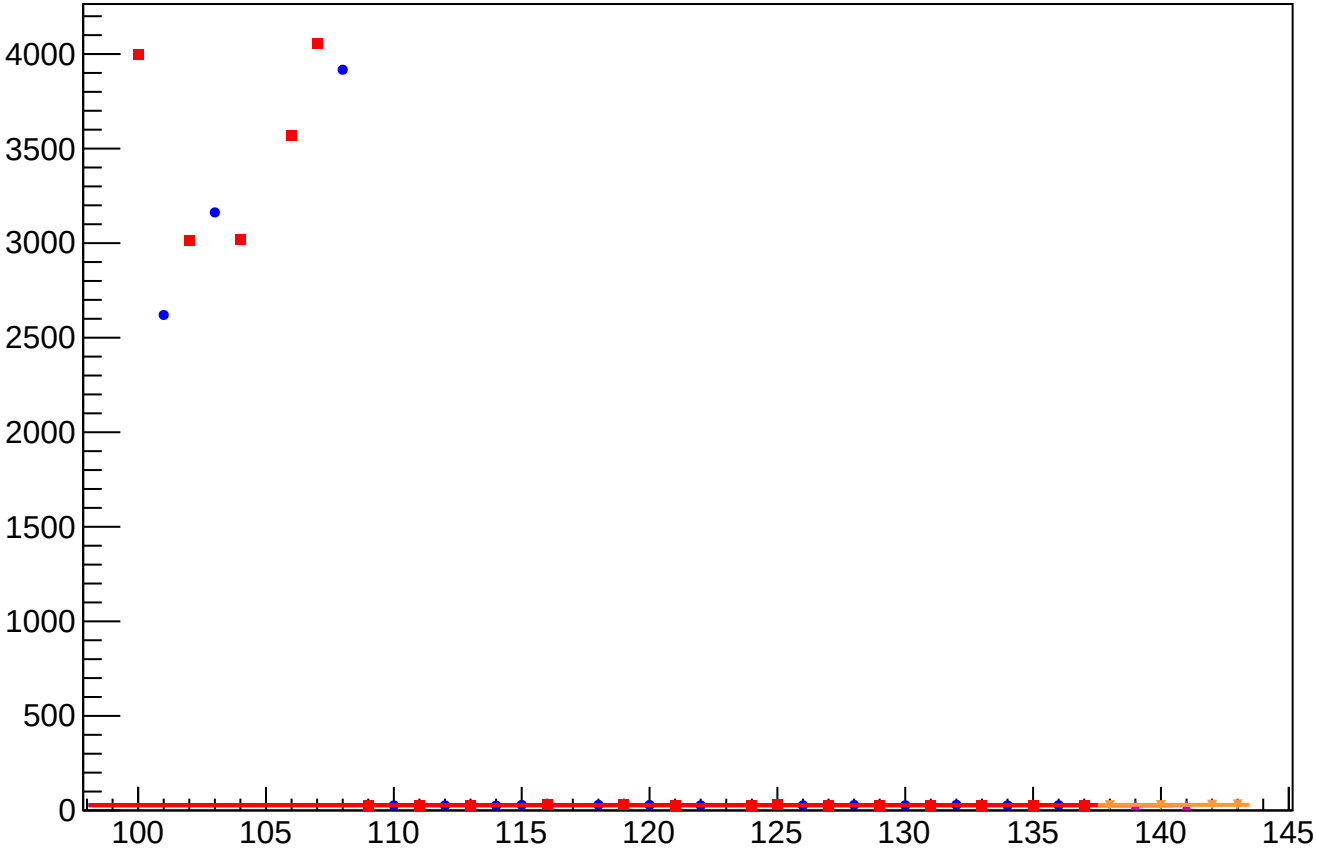
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.189+/-10.273 χ^2/NDF:19.2/17

Out: 18.090+/-9.834 χ^2/NDF:31.1/22

All: 12.399+/-7.104 χ^2/NDF: 51.0/40

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: 29.431+/-0.012 χ^2/NDF:17054.8/3

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 27.662+/-0.015 χ^2/NDF:913.0/1

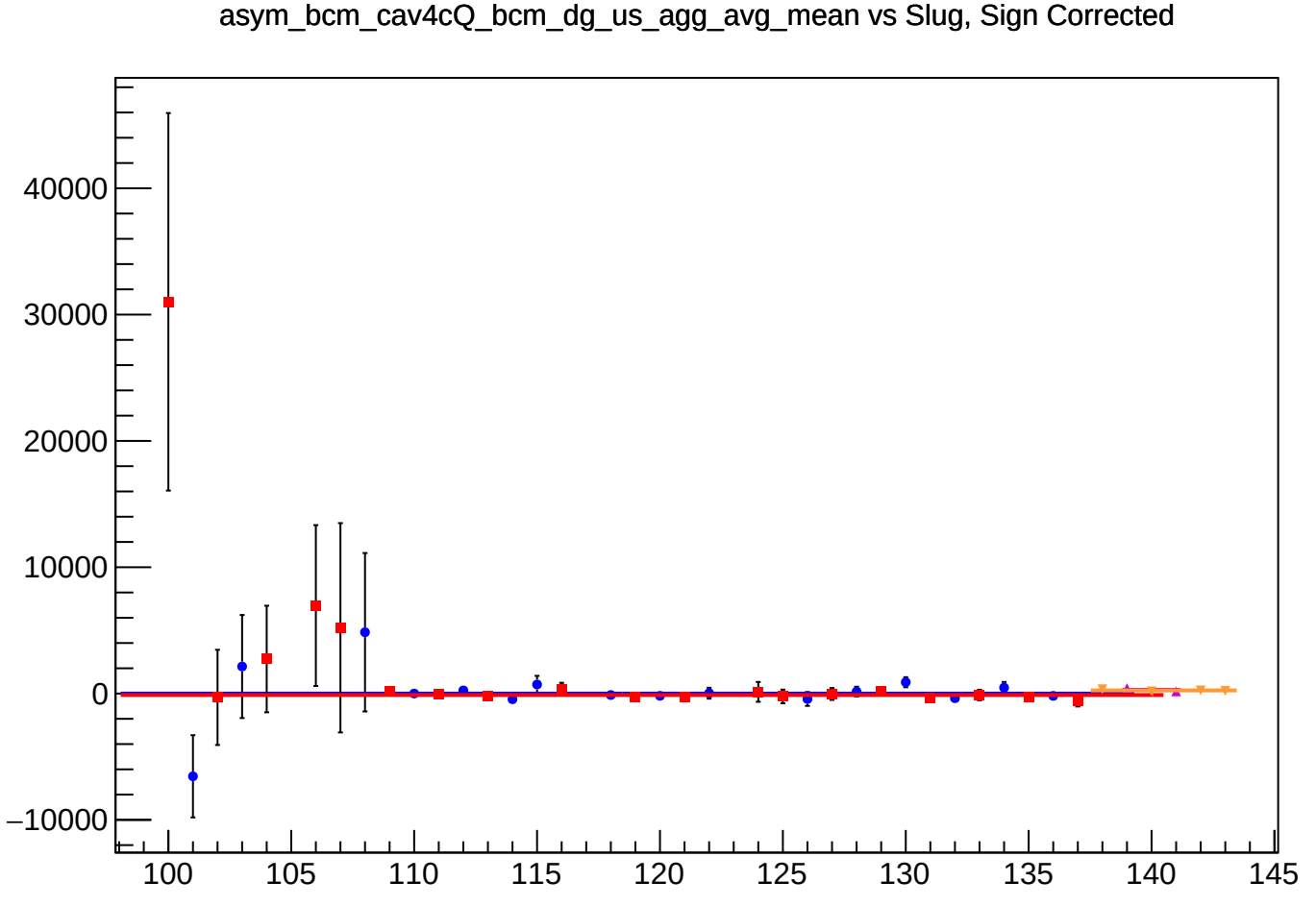
Left: 28.711+/-0.010 χ^2/NDF: 26321.0/5

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 27.786+/-0.007 χ^2/NDF:3266899.6/17

Out: 28.286+/-0.007 χ^2/NDF:3588330.2/22

All: 28.047+/-0.005 χ^2/NDF: 6857696.8/40



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 247.801+/-138.417 χ^2/NDF:0.2/3

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: 268.485+/-105.159 χ^2/NDF: 1.0/5

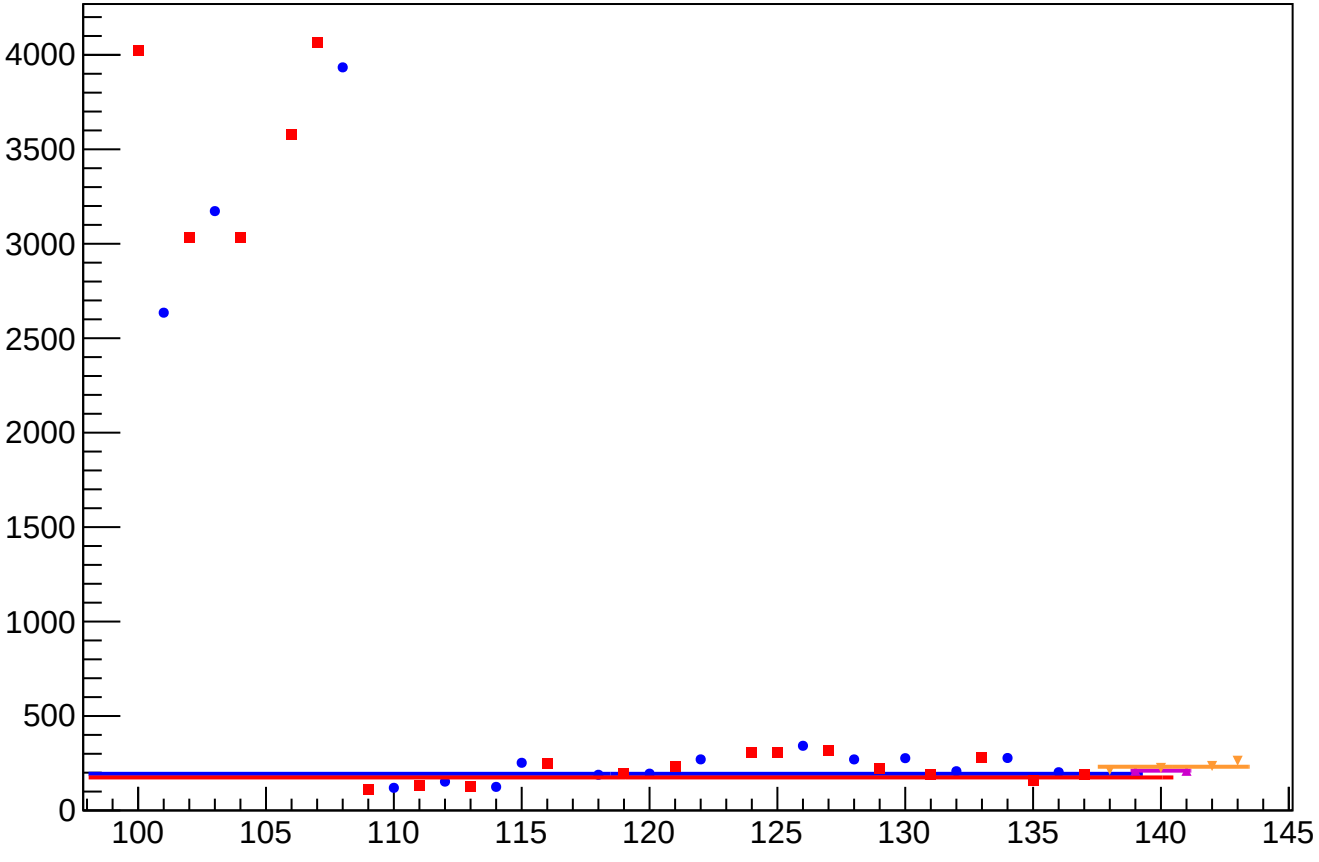
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 62.644+/-75.592 χ^2/NDF:21.6/17

Out: -26.507+/-68.580 χ^2/NDF:19.3/22

All: 13.743+/-50.792 χ^2/NDF: 41.6/40

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: 231.426+/-0.098 χ^2/NDF:34822.4/3

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 210.667+/-0.114 χ^2/NDF:38.8/1

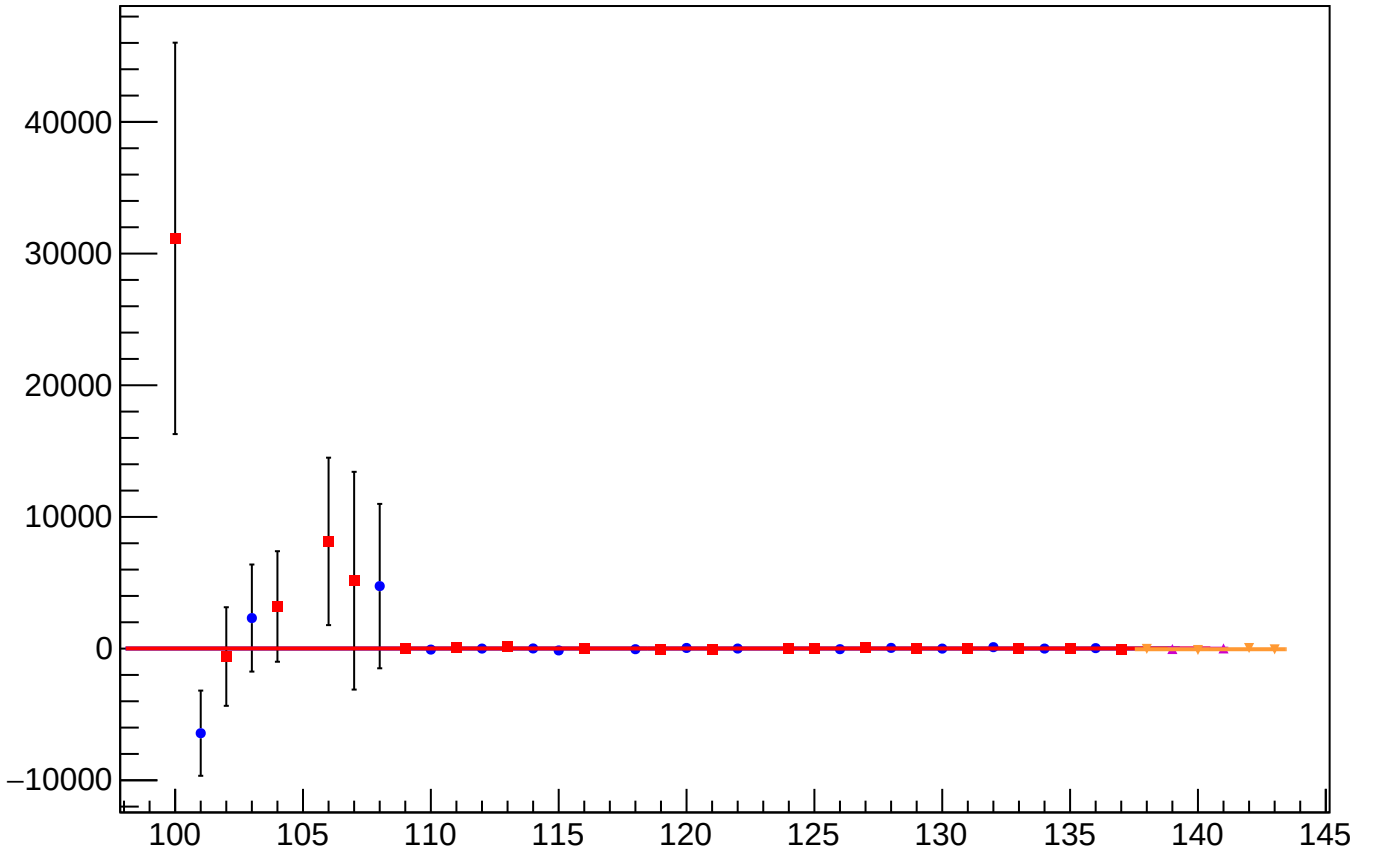
Left: 222.649+/-0.074 χ^2/NDF: 53881.1/5

Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 197.600+/-0.053 χ^2/NDF:3801215.0/17

Out: 188.685+/-0.048 χ^2/NDF:4546881.2/22

All: 192.710+/-0.036 χ^2/NDF: 8363352.4/40



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -48.357+/-20.804 χ^2/NDF:5.8/3

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: -31.739+/-16.175 χ^2/NDF: 8.2/5

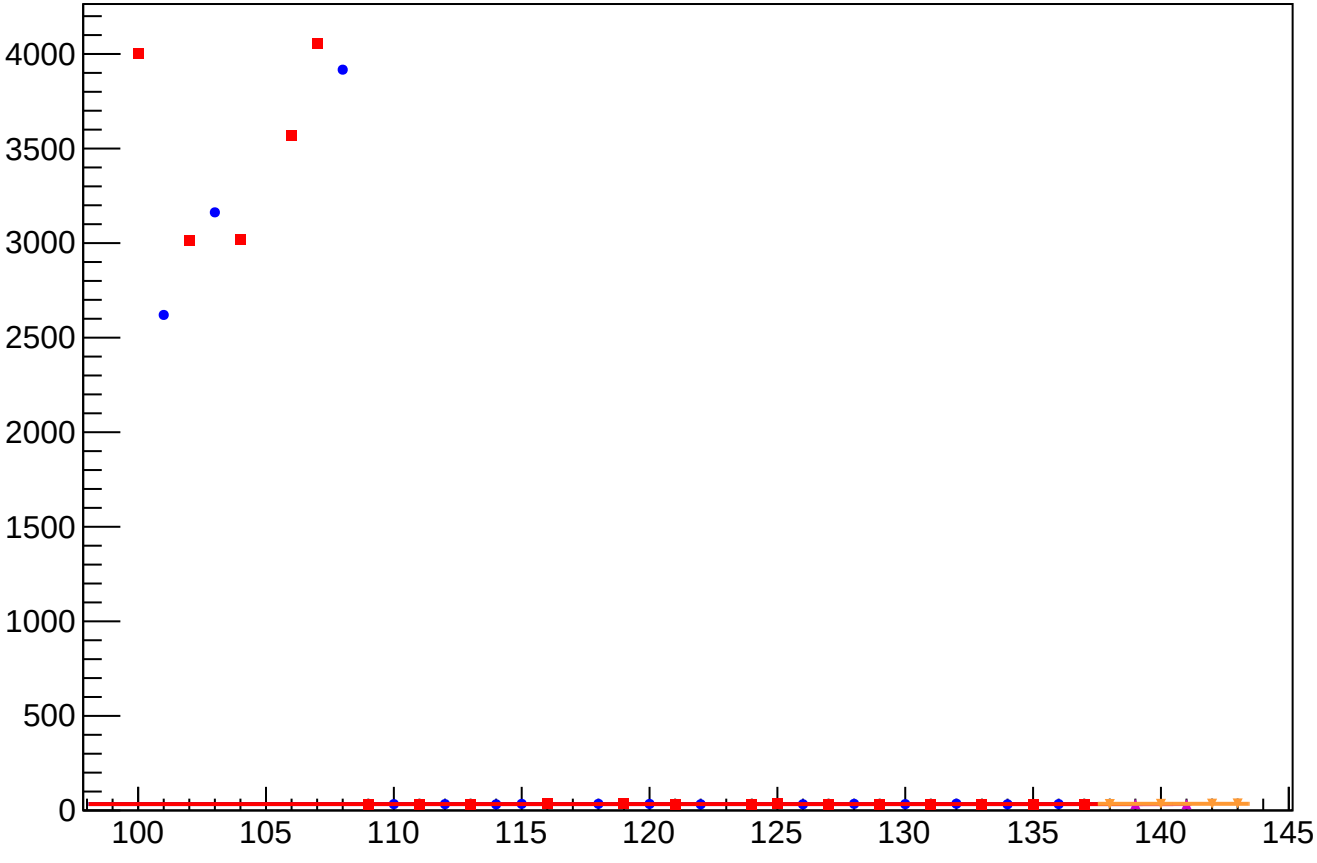
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 2.825+/-12.502 χ^2/NDF:18.4/17

Out: -8.958+/-11.858 χ^2/NDF:34.5/22

All: -3.378+/-8.604 χ^2/NDF: 53.4/40

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: 35.168+/-0.015 χ^2/NDF:6182.8/3

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: 34.621+/-0.011 χ^2/NDF: 9995.6/5

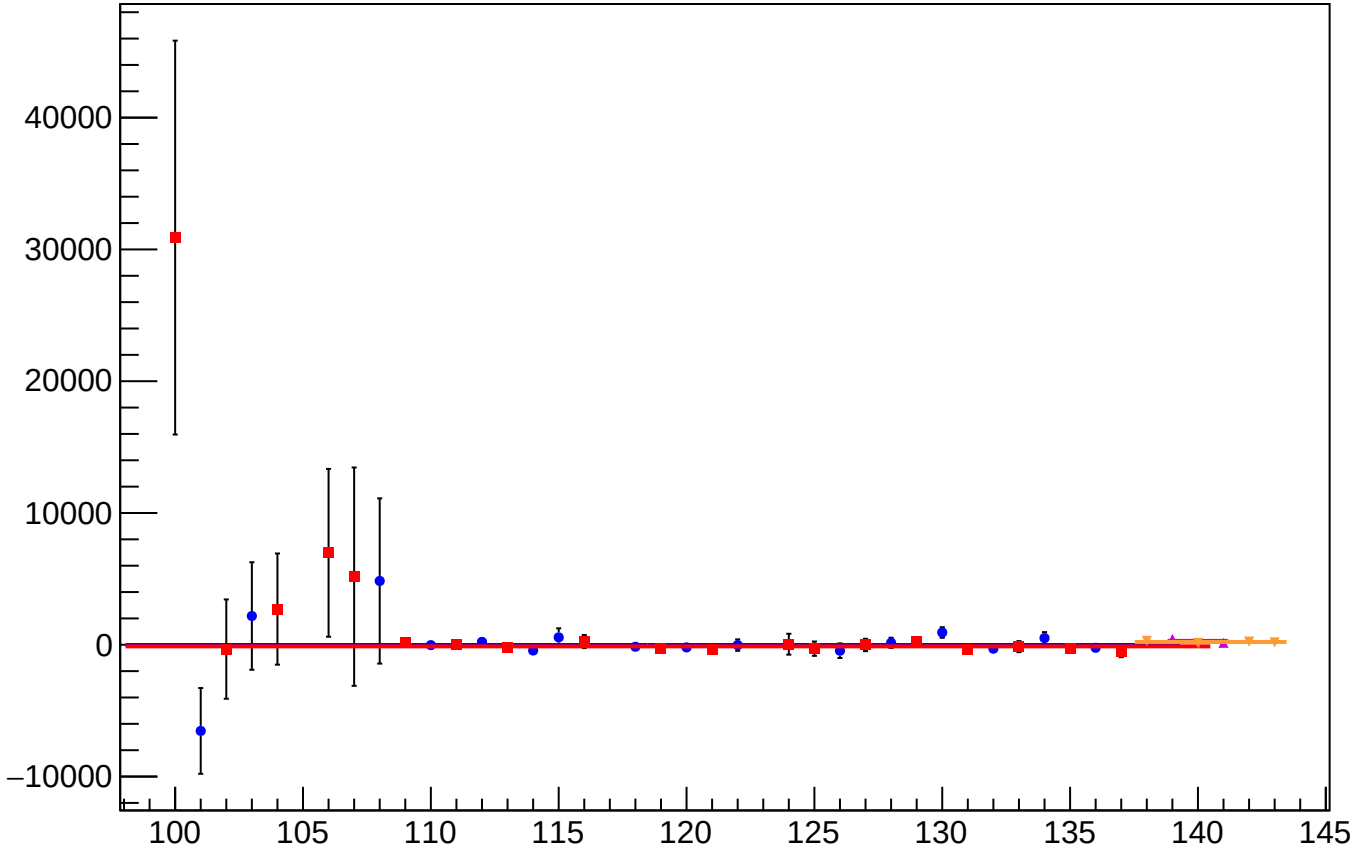
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 33.872+/-0.009 χ^2/NDF:3244731.4/17

Out: 34.195+/-0.008 χ^2/NDF:3539130.0/22

All: 34.042+/-0.006 χ^2/NDF: 6784560.0/40

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: 213.262+/-137.260 χ^2/NDF:0.2/3

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: 247.080+/-104.306 χ^2/NDF: 1.2/5

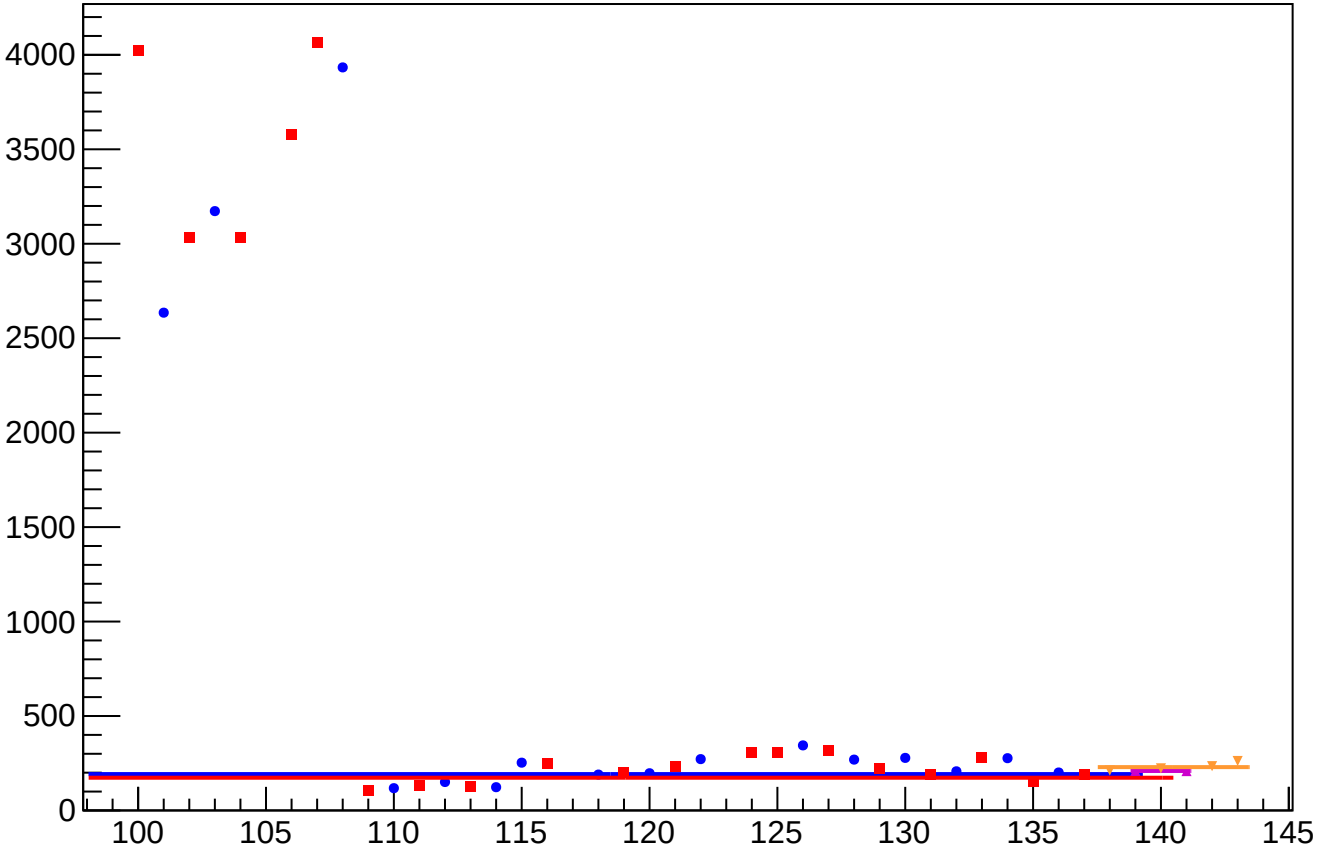
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 49.100+/-75.156 χ^2/NDF:22.0/17

Out: -37.875+/-68.114 χ^2/NDF:18.0/22

All: 1.347+/-50.470 χ^2/NDF: 40.7/40

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: 229.425+/-0.097 χ^2/NDF:37321.5/3

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 209.007+/-0.113 χ^2/NDF:27.7/1

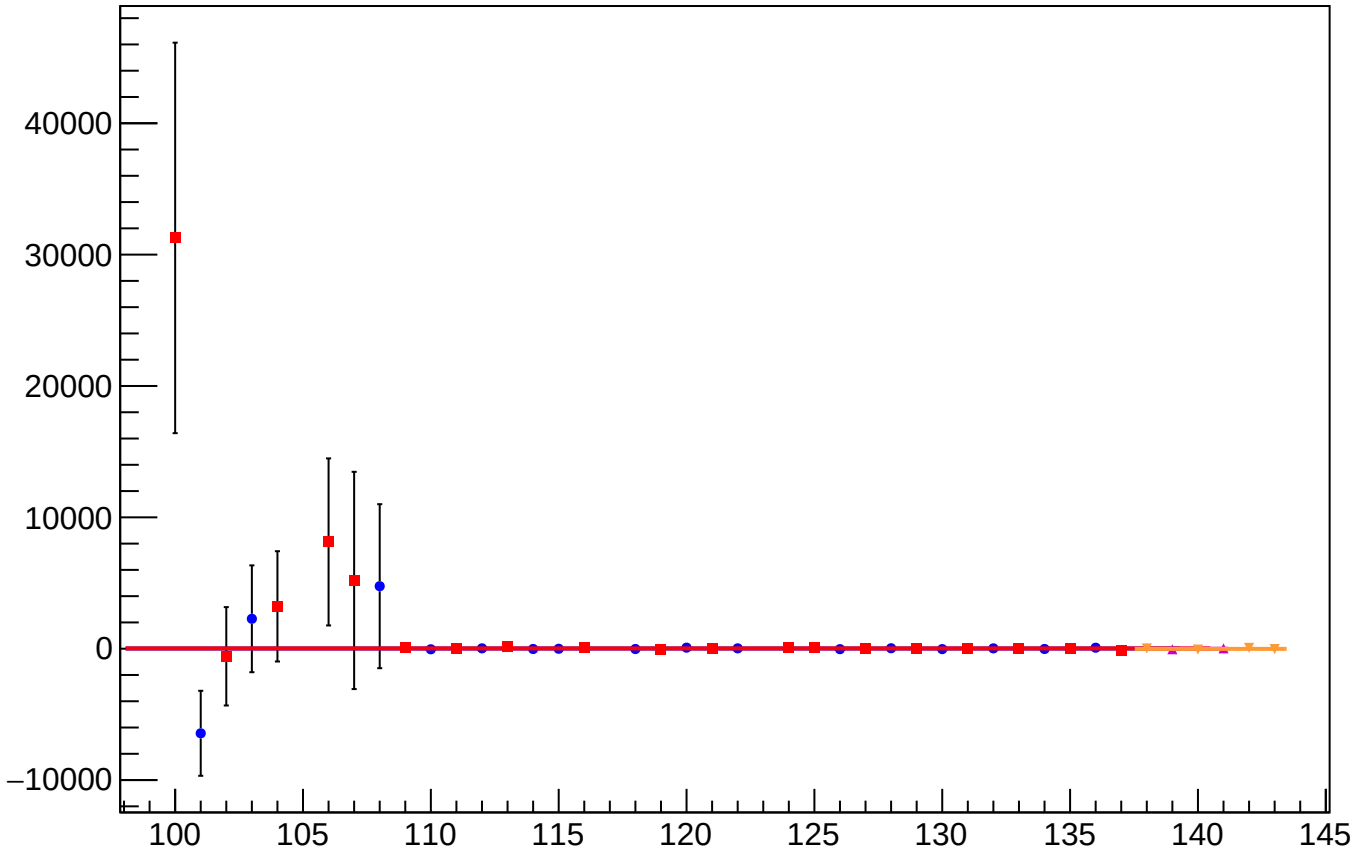
Left: 220.798+/-0.074 χ^2/NDF: 56048.2/5

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 196.168+/-0.053 χ^2/NDF:3839218.6/17

Out: 187.082+/-0.048 χ^2/NDF:4597247.3/22

All: 191.180+/-0.036 χ^2/NDF: 8452513.5/40



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -12.388+/-19.013 χ^2/NDF:6.1/3

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: -9.364+/-14.690 χ^2/NDF: 8.3/5

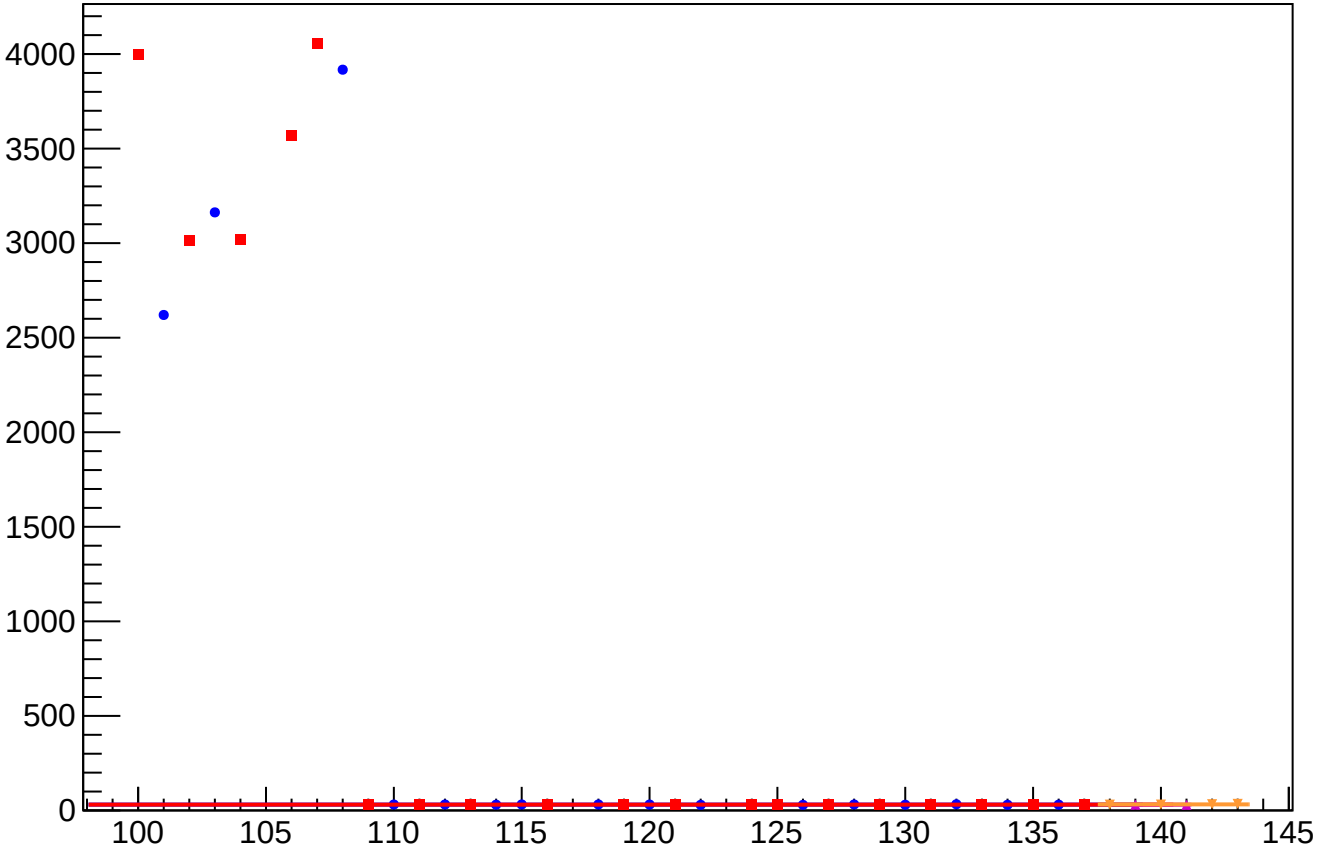
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 9.219+/-11.375 χ^2/NDF:18.1/17

Out: 11.669+/-10.832 χ^2/NDF:37.2/22

All: 10.503+/-7.844 χ^2/NDF: 55.3/40

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: 32.085+/-0.013 χ^2/NDF:14979.3/3

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: 31.400+/-0.010 χ^2/NDF: 21904.0/5

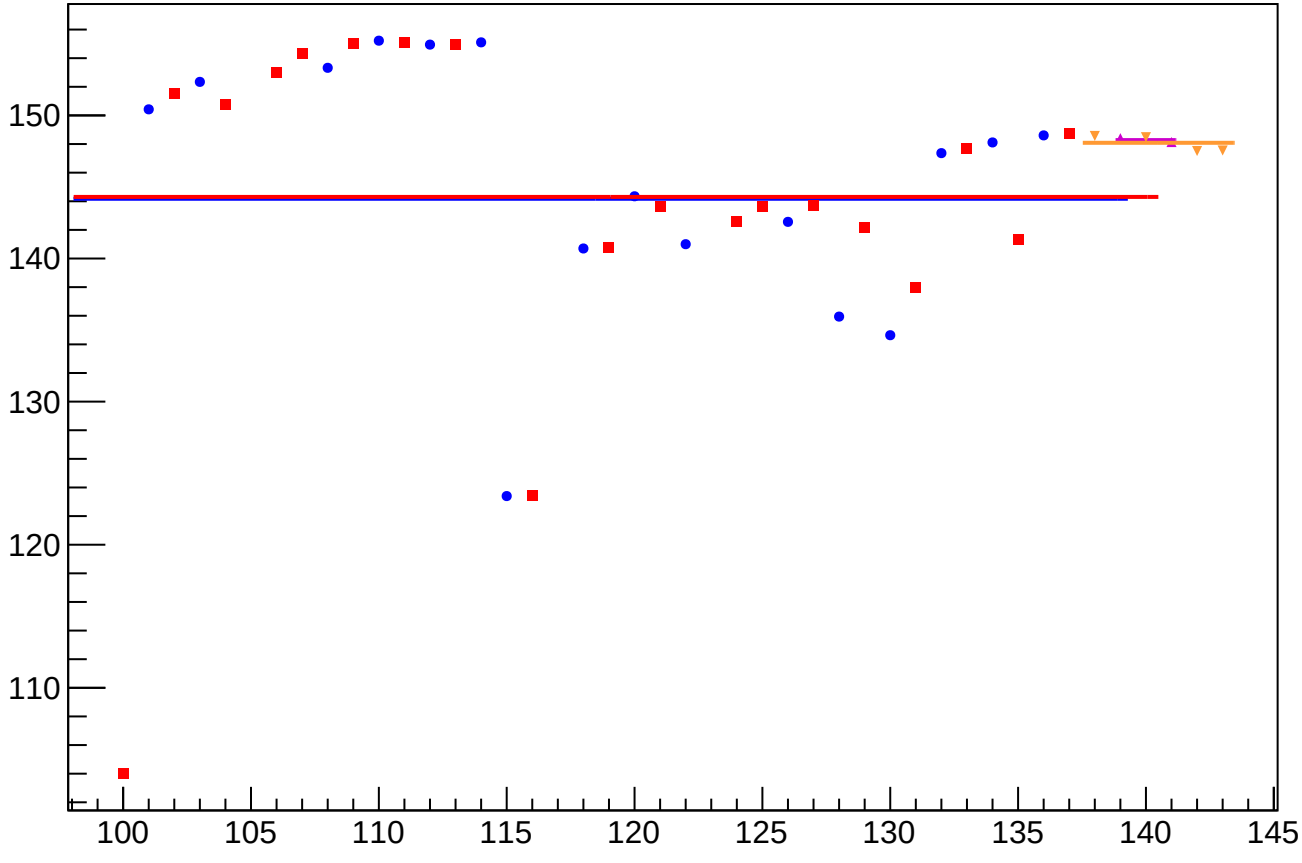
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 30.797+/-0.008 χ^2/NDF:3253928.6/17

Out: 31.202+/-0.008 χ^2/NDF:3557608.5/22

All: 31.009+/-0.006 χ^2/NDF: 6812861.8/40

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.087+/-0.000 χ^2/NDF:7289381.5/3

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: 148.150+/-0.000 χ^2/NDF: 7926291.1/5

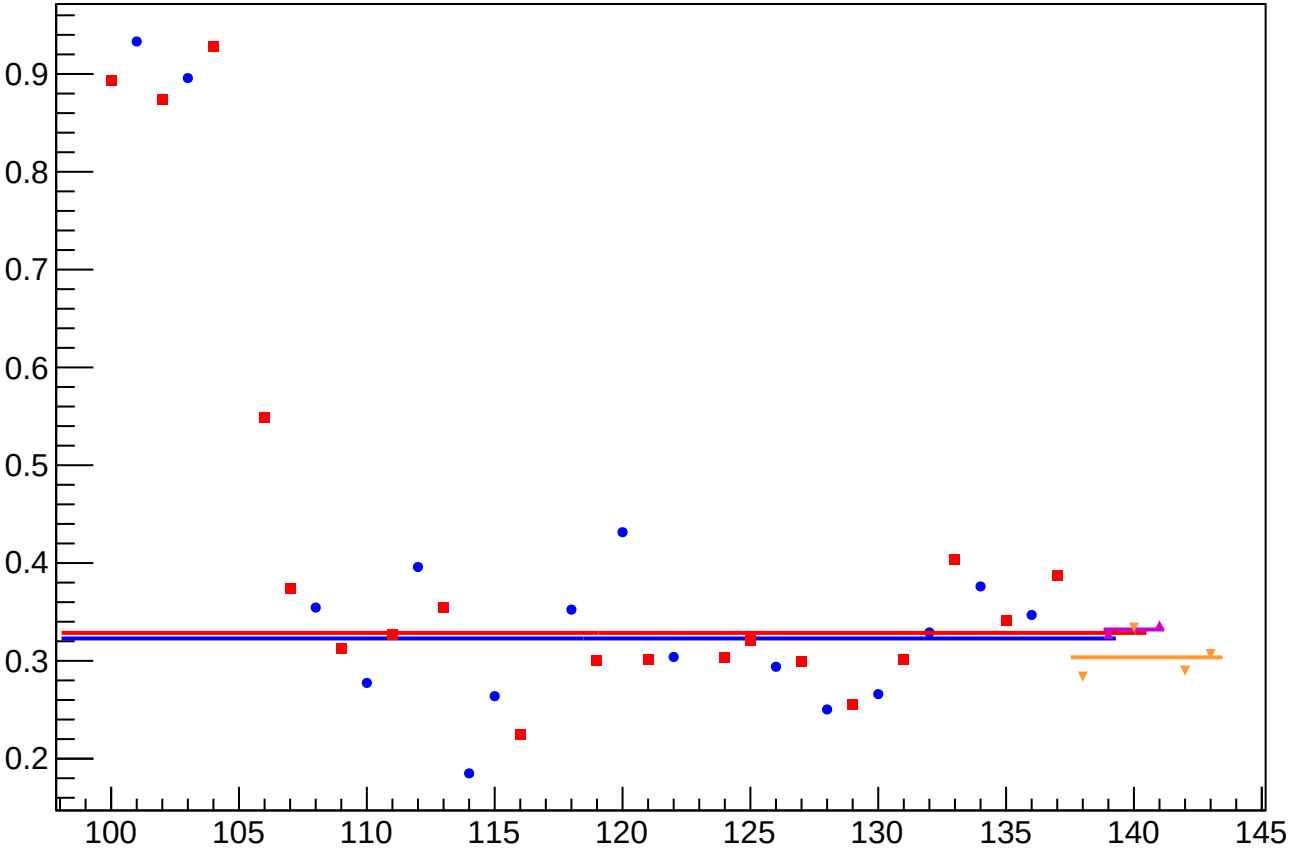
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.036+/-0.000 χ^2/NDF:3926184377.0/17

Out: 145.617+/-0.000 χ^2/NDF:4552051619.4/22

All: 145.352+/-0.000 χ^2/NDF: 8491511554.7

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.304+/-0.000 χ^2/NDF:22985.4/3

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.332+/-0.000 χ^2/NDF:575.0/1

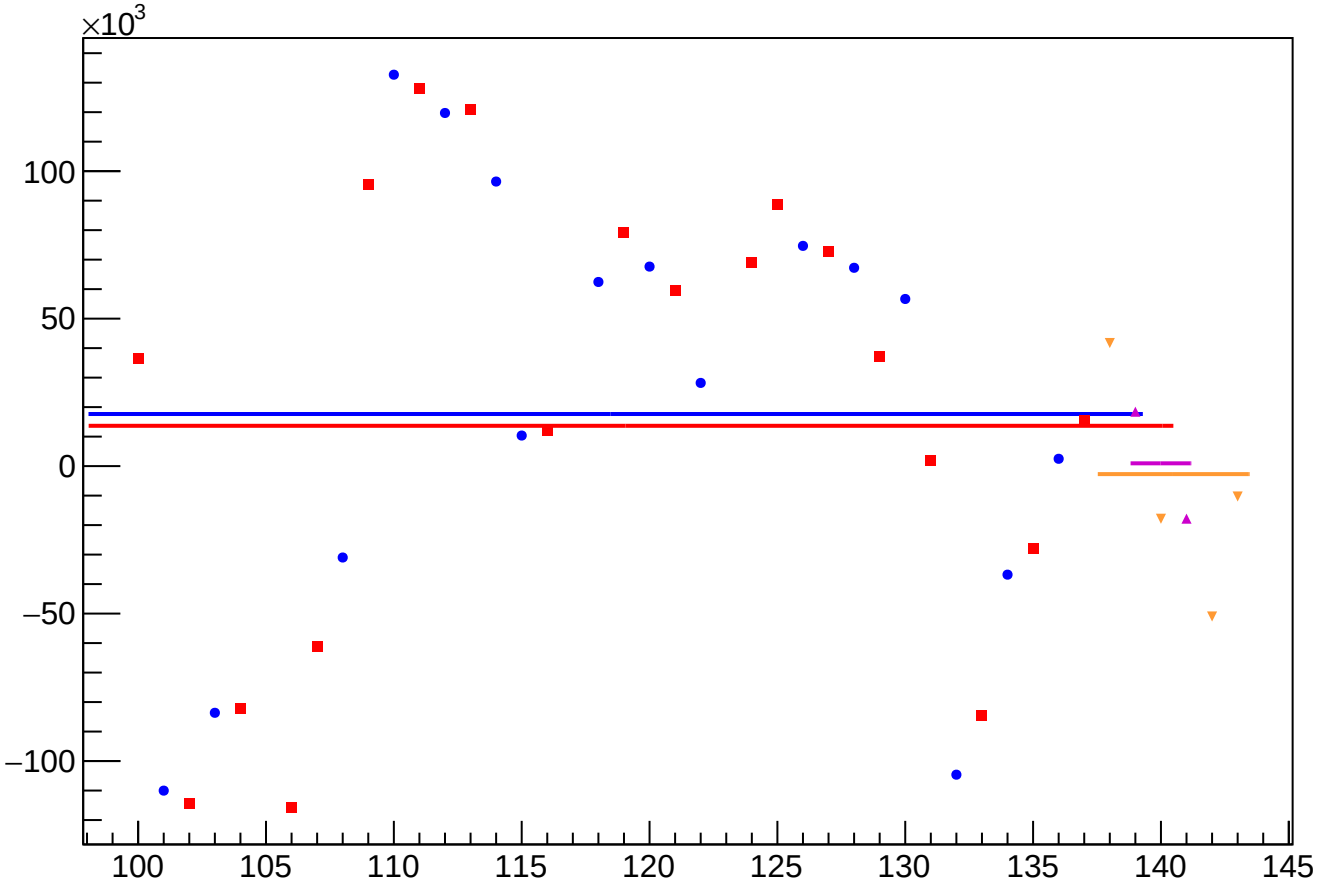
Left: 0.313+/-0.000 χ^2/NDF: 39854.2/5

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1398604.8/17

Out: 0.320+/-0.000 χ^2/NDF:1351575.0/22

All: 0.322+/-0.000 χ^2/NDF: 2752075.2/40



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -2711.618+/-3.004 χ^2/NDF:120194604.2/3

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: -1315.801+/-2.361 χ^2/NDF: 143251134.9/5

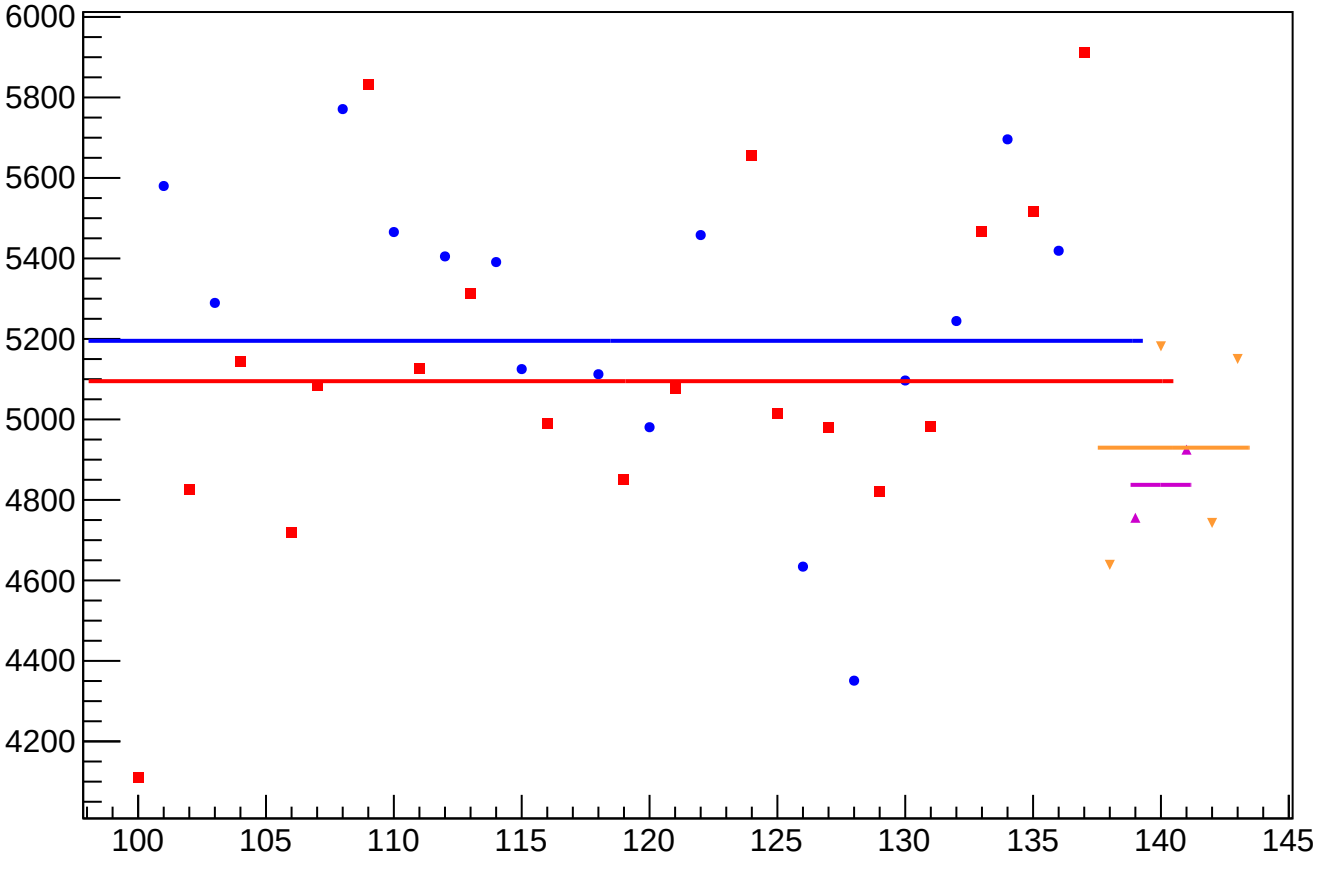
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 14051.995+/-1.776 χ^2/NDF:1436245286.3/17

Out: 8898.588+/-1.621 χ^2/NDF:1998231438.6/22

All: 11240.499+/-1.197 χ^2/NDF: 3439071453

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4929.813+/-2.124 χ^2/NDF:13659.4/3

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4837.430+/-2.702 χ^2/NDF:979.7/1

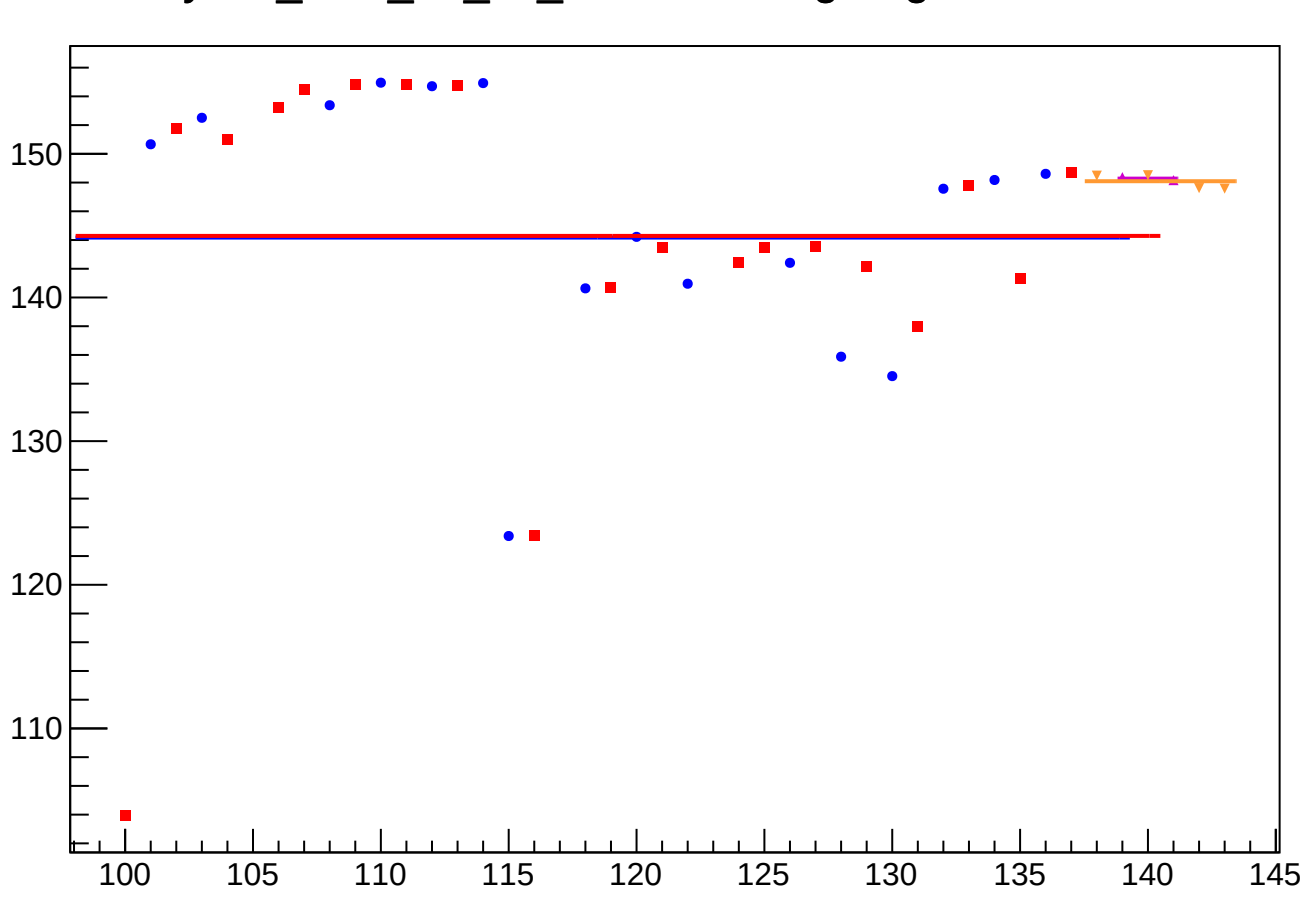
Left: 4894.525+/-1.670 χ^2/NDF: 15361.7/5

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

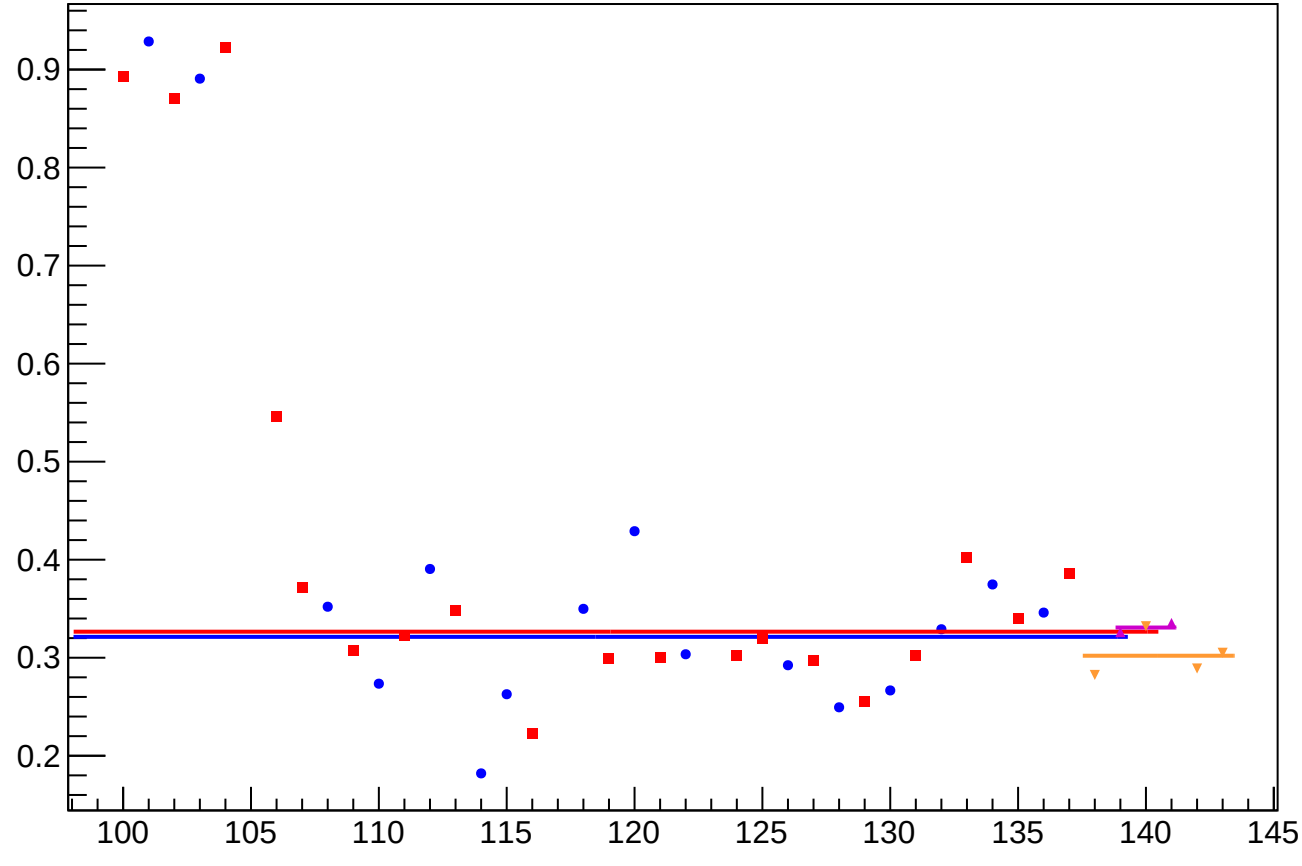
In: 5117.999+/-1.256 χ^2/NDF:91901.1/17

Out: 5046.947+/-1.146 χ^2/NDF:77061.4/22

All: 5079.236+/-0.846 χ^2/NDF: 170709.3/40


yield_bcm_an_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
105
110
115
120
125
130
135
140
145
Right In: 144.172+/-0.000 χ²/NDF: 3764836520.0/15
Left Out: 148.094+/-0.000 χ²/NDF:6095990.2/3
Right Out: 144.286+/-0.000 χ²/NDF: 4290223847.7/18
Left In: 148.274+/-0.000 χ²/NDF:167279.3/1
Left: 148.154+/-0.000 χ²/NDF: 6591224.0/5
Right: 144.229+/-0.000 χ²/NDF: 8055437753.5/34
In: 145.030+/-0.000 χ²/NDF:3968041667.7/17
Out: 145.606+/-0.000 χ²/NDF:4583498989.3/22
All: 145.345+/-0.000 χ²/NDF: 8564731662.9

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.302+/-0.000 χ^2/NDF:22681.6/3

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.331+/-0.000 χ^2/NDF:664.6/1

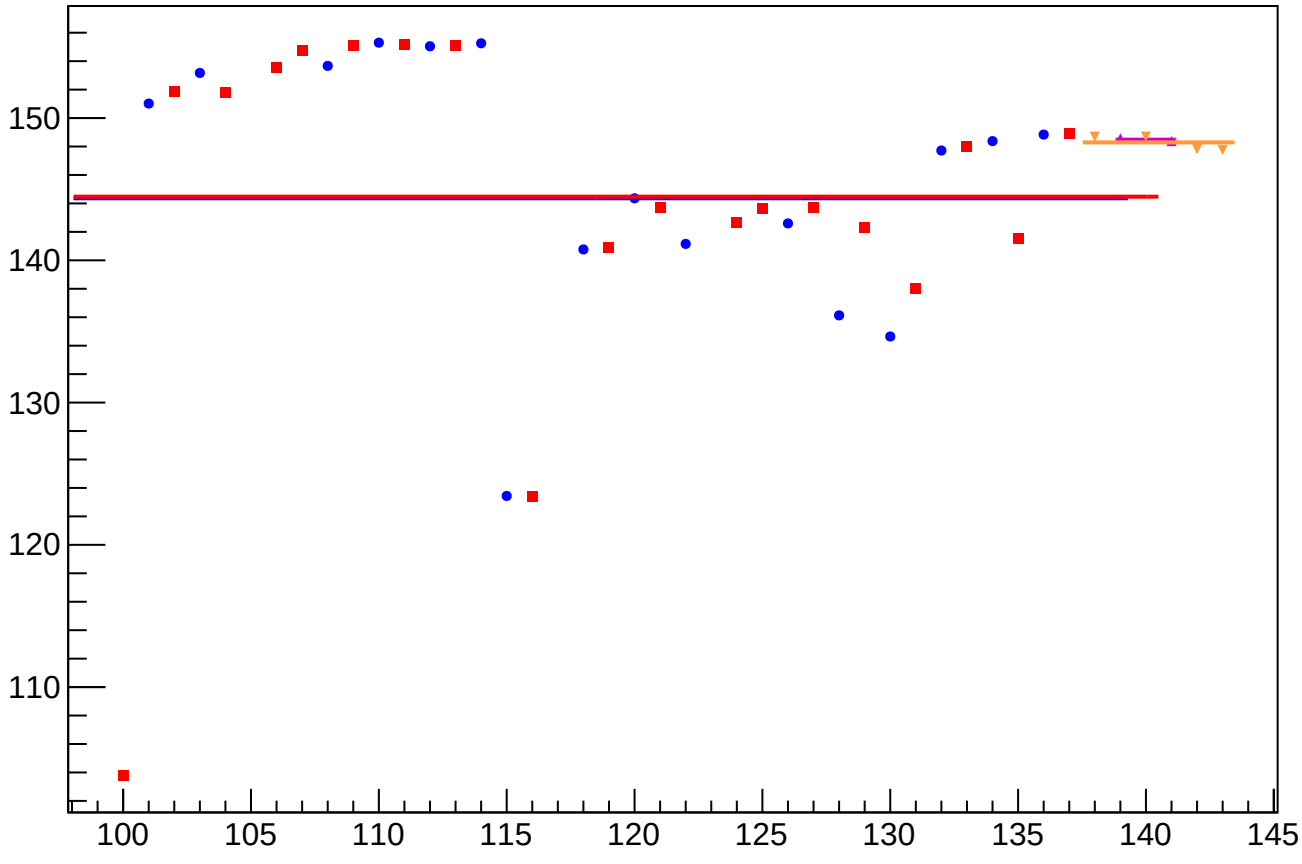
Left: 0.312+/-0.000 χ^2/NDF: 40146.6/5

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.323+/-0.000 χ^2/NDF:1399096.4/17

Out: 0.318+/-0.000 χ^2/NDF:1349246.7/22

All: 0.320+/-0.000 χ^2/NDF: 2750514.3/40



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.289+/-0.000 χ^2/NDF:6219271.0/3

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: 148.354+/-0.000 χ^2/NDF: 6741252.7/5

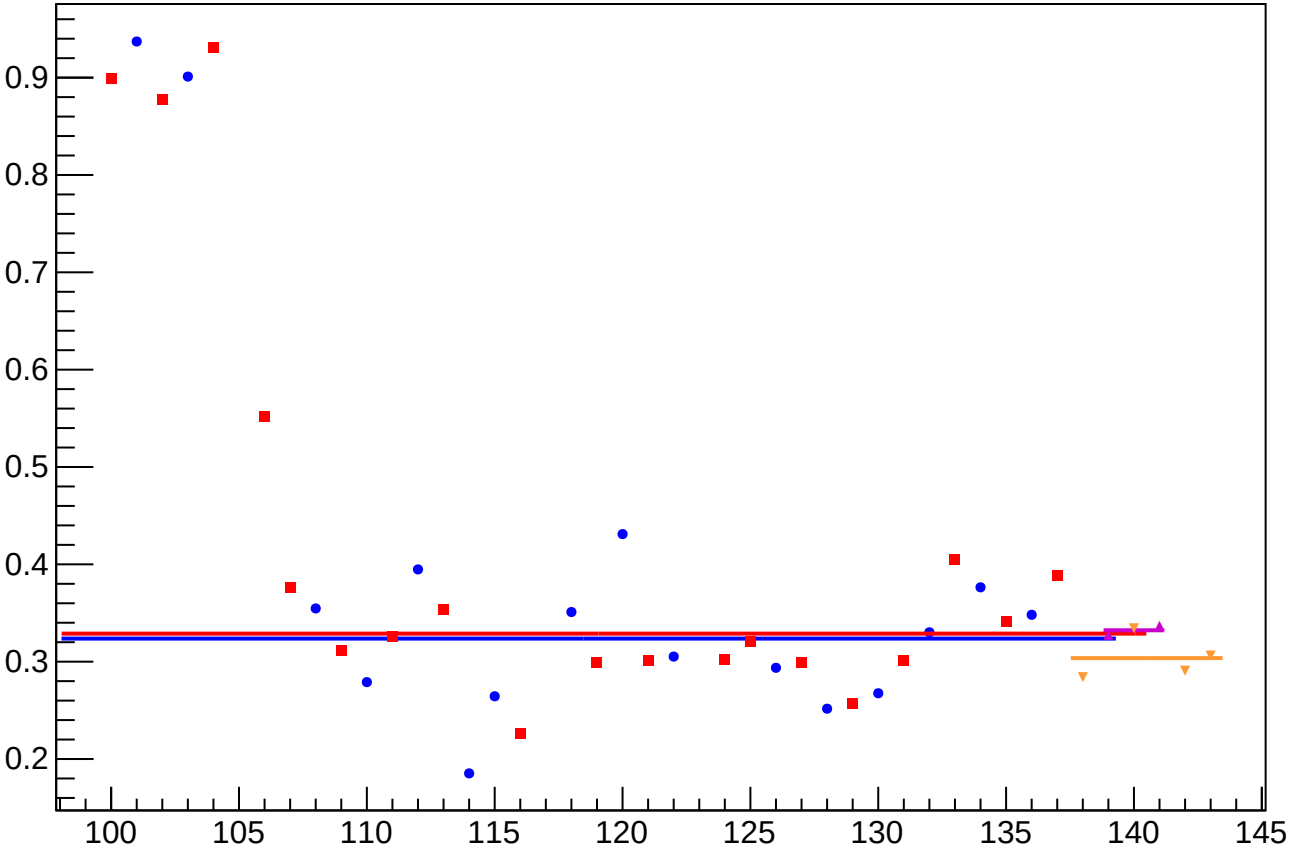
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.227+/-0.000 χ^2/NDF:3961652101.8/17

Out: 145.800+/-0.000 χ^2/NDF:4573092957.8/22

All: 145.539+/-0.000 χ^2/NDF: 8547596656.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.304+/-0.000 χ^2/NDF:22821.6/3

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: 0.313+/-0.000 χ^2/NDF: 39887.5/5

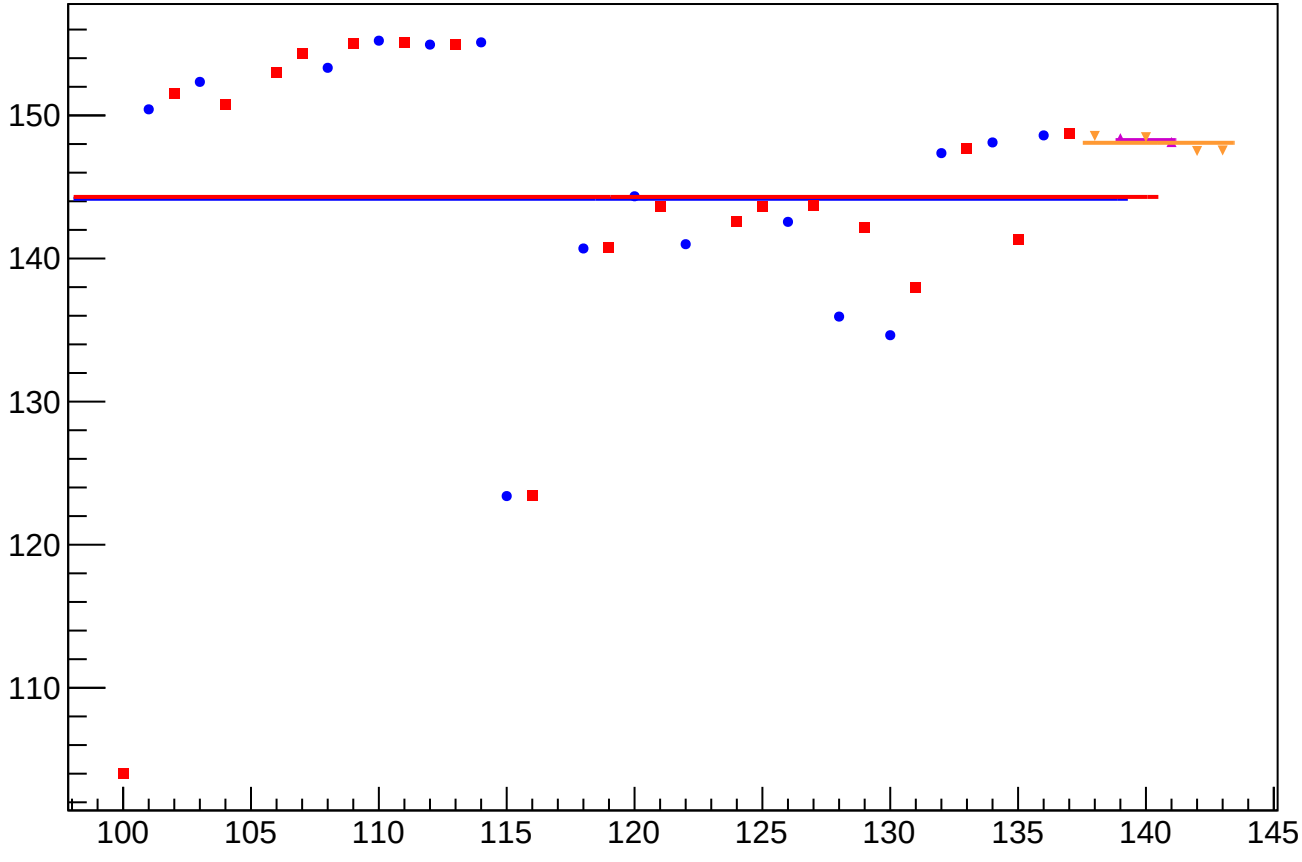
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.326+/-0.000 χ^2/NDF:1394759.2/17

Out: 0.320+/-0.000 χ^2/NDF:1350809.0/22

All: 0.323+/-0.000 χ^2/NDF: 2747877.0/40

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.087+/-0.000 χ^2/NDF:7289381.5/3

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: 148.150+/-0.000 χ^2/NDF: 7926291.1/5

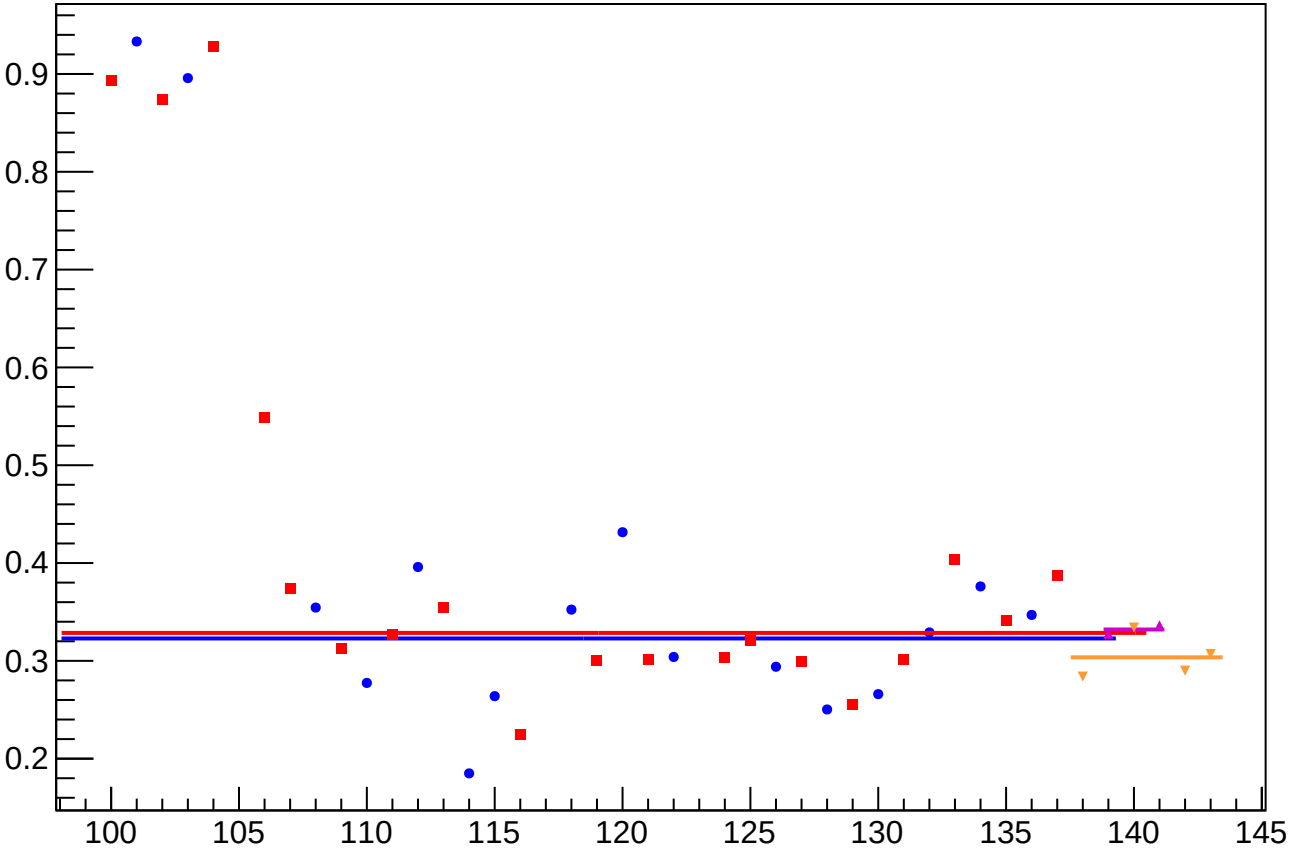
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.036+/-0.000 χ^2/NDF:3926184377.0/17

Out: 145.617+/-0.000 χ^2/NDF:4552051619.4/22

All: 145.352+/-0.000 χ^2/NDF: 8491511554.7

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.304+/-0.000 χ^2/NDF:22985.4/3

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: 0.313+/-0.000 χ^2/NDF: 39854.2/5

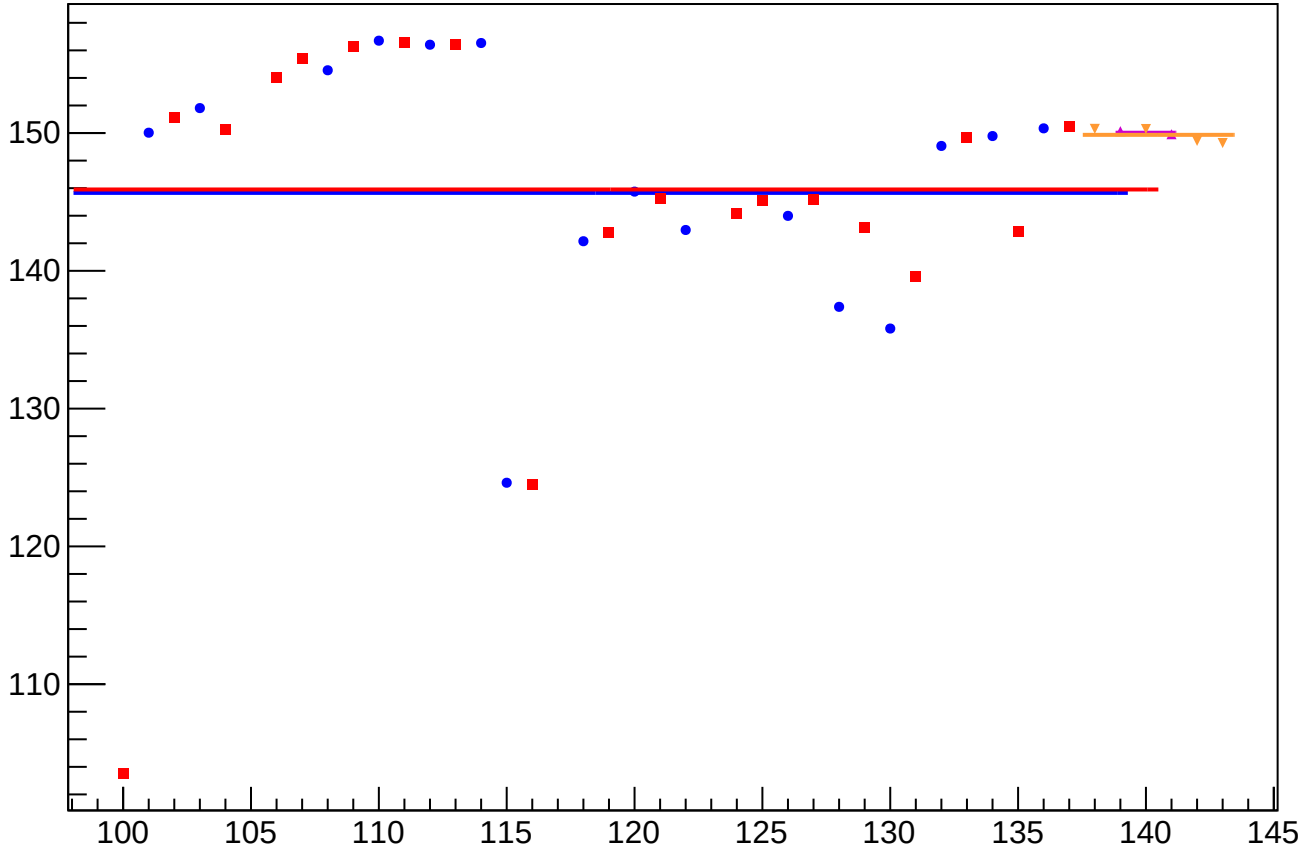
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1398604.8/17

Out: 0.320+/-0.000 χ^2/NDF:1351575.0/22

All: 0.322+/-0.000 χ^2/NDF: 2752075.2/40

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.870+/-0.000 χ^2/NDF:5947311.1/3

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: 149.921+/-0.000 χ^2/NDF: 6308332.5/5

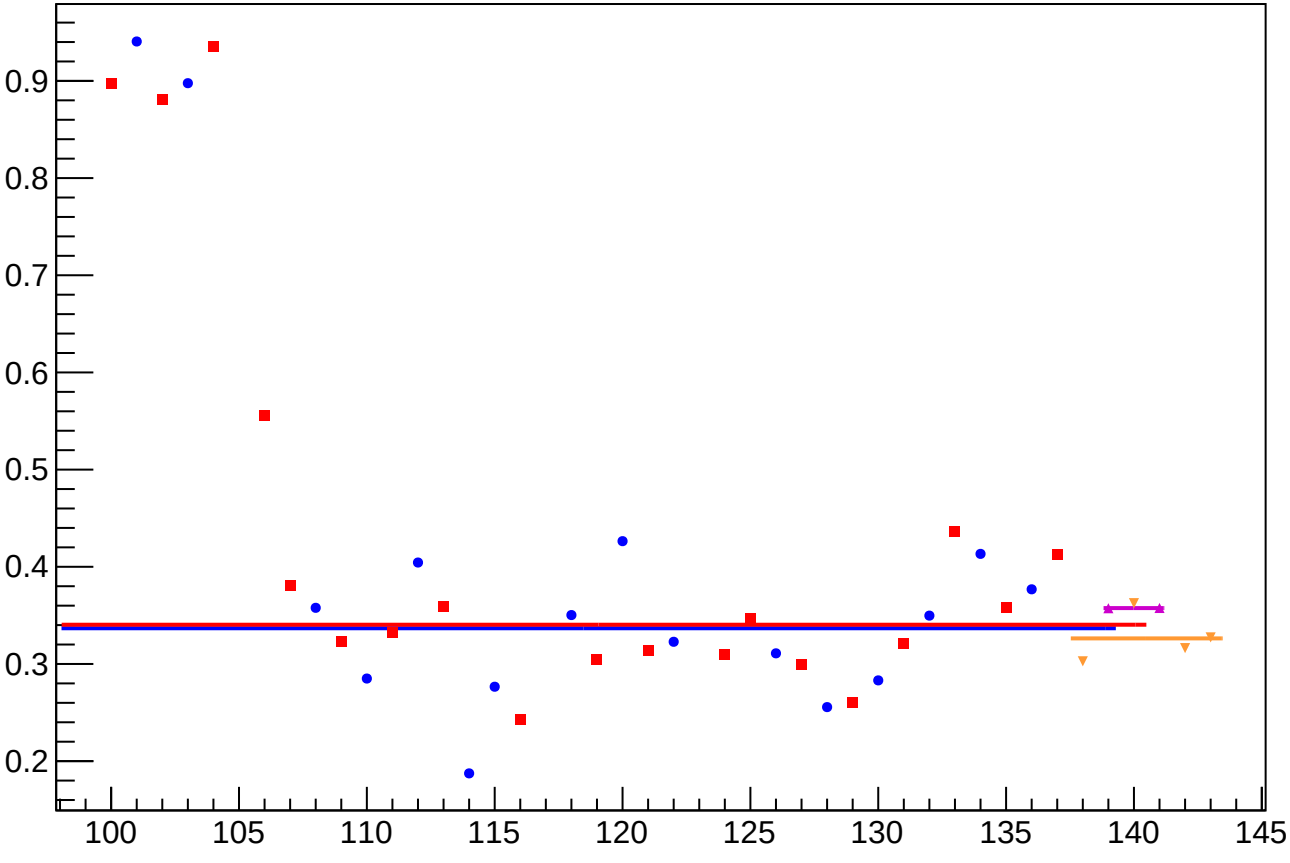
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.524+/-0.000 χ^2/NDF:3680112508.0/17

Out: 147.203+/-0.000 χ^2/NDF:4139726370.8/22

All: 146.894+/-0.000 χ^2/NDF: 7836294322.1

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.326+/-0.000 χ^2/NDF:26111.4/3

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.357+/-0.000 χ^2/NDF:0.5/1

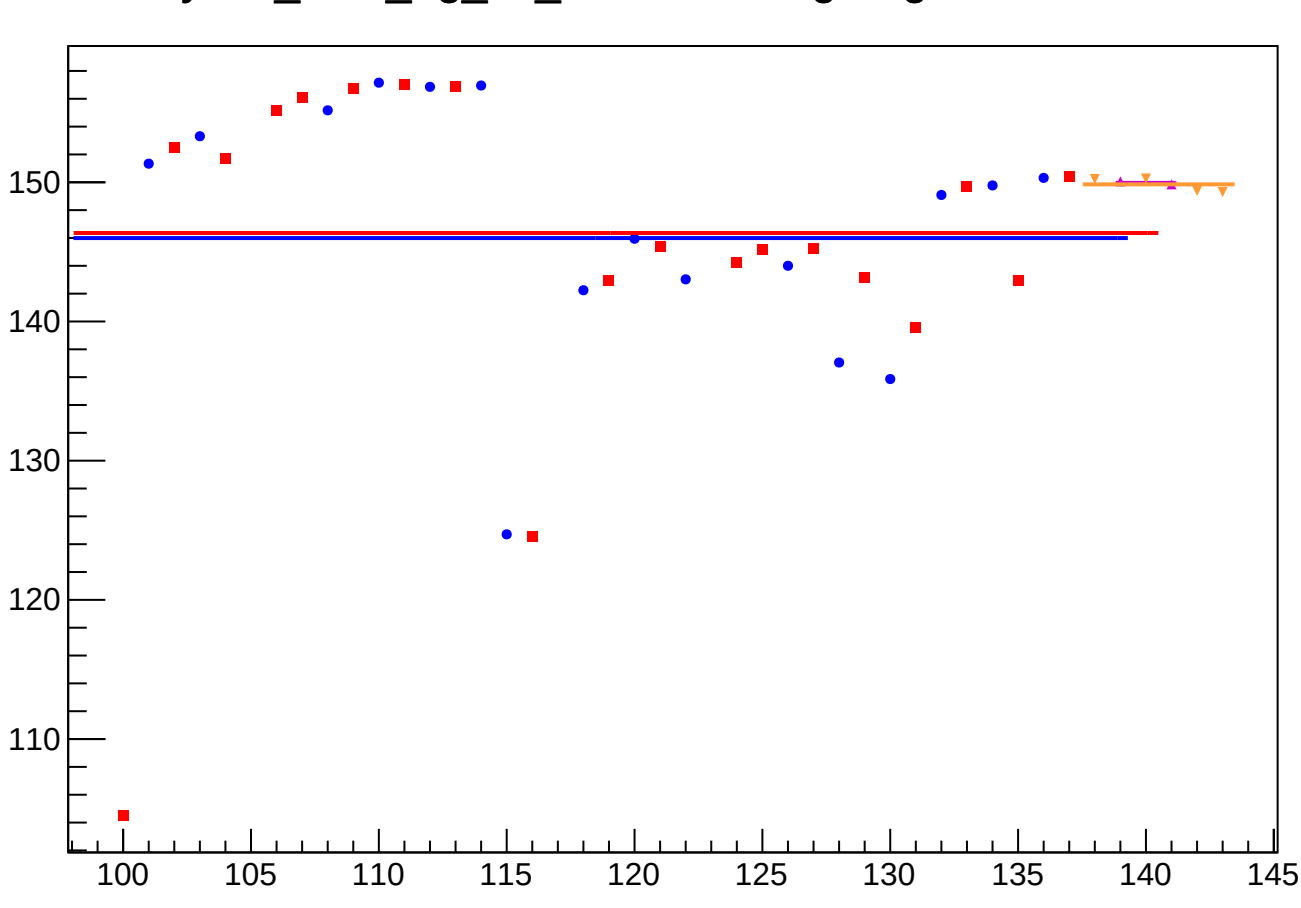
Left: 0.337+/-0.000 χ^2/NDF: 42876.2/5

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.341+/-0.000 χ^2/NDF:1379482.5/17

Out: 0.336+/-0.000 χ^2/NDF:1307646.6/22

All: 0.338+/-0.000 χ^2/NDF: 2688975.1/40



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.851+/-0.000 χ^2/NDF:5287996.2/3

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.957+/-0.000 χ^2/NDF:140475.0/1

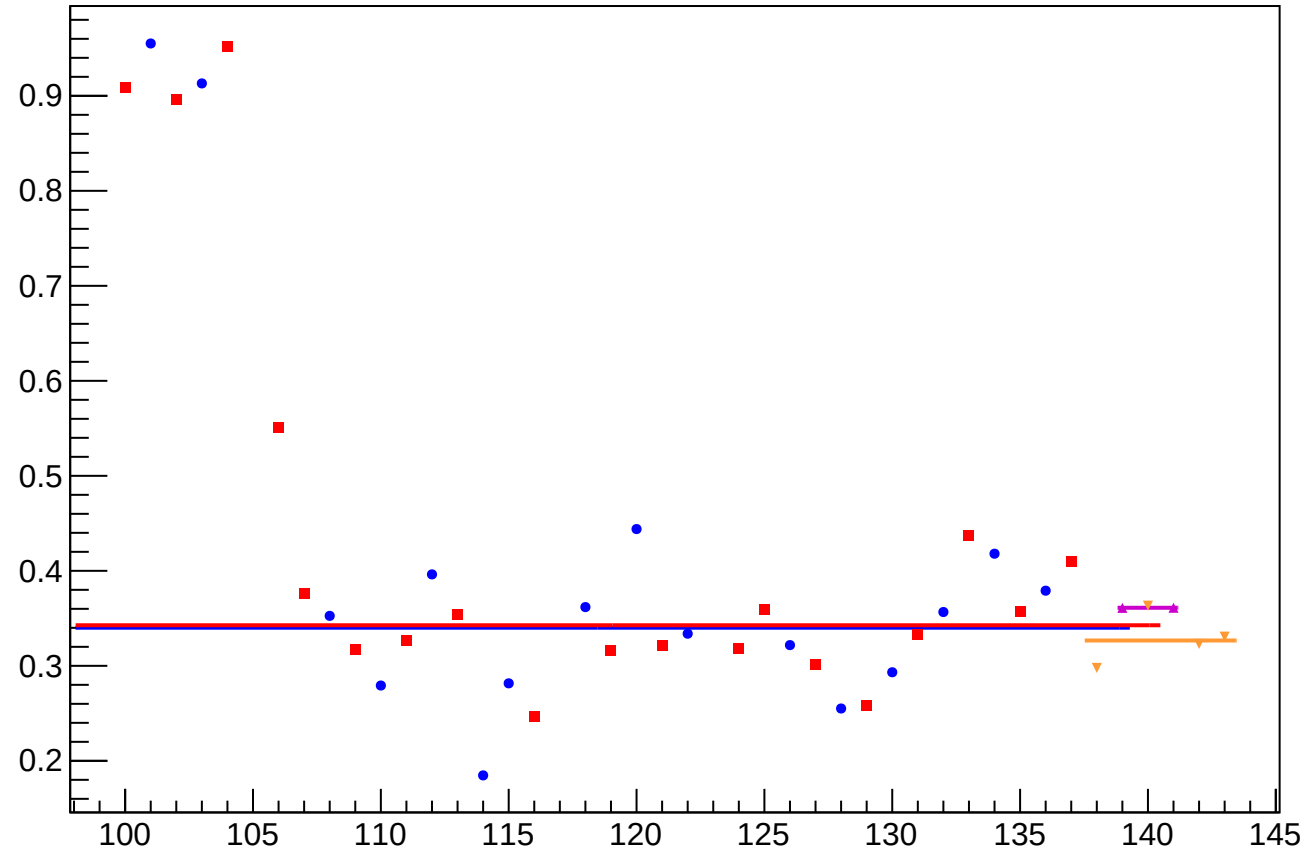
Left: 149.886+/-0.000 χ^2/NDF: 5523555.6/5

Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.779+/-0.000 χ^2/NDF:3781562126.9/17

Out: 147.508+/-0.000 χ^2/NDF:4176225163.8/22

All: 147.178+/-0.000 χ^2/NDF: 7976364923.2



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.327+/-0.000 χ^2/NDF:30552.6/3

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: 0.338+/-0.000 χ^2/NDF: 50629.5/5

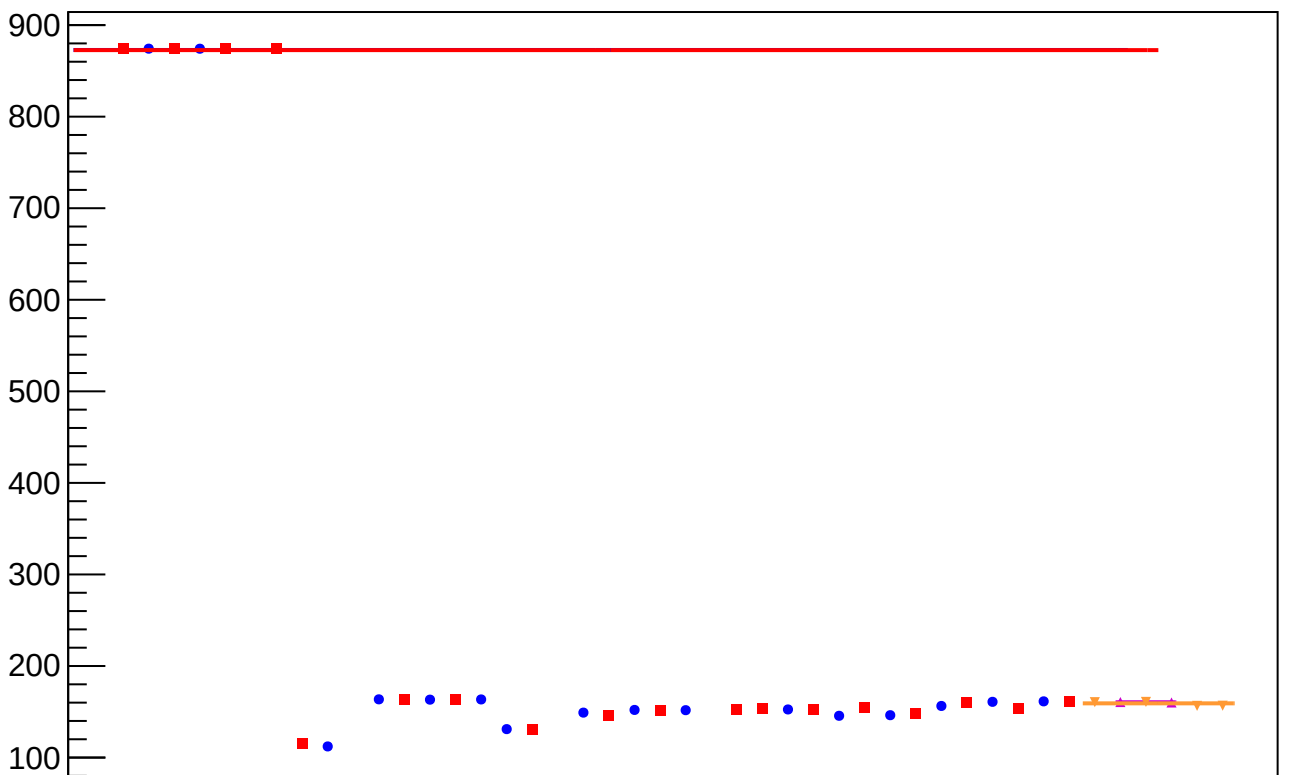
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.344+/-0.000 χ^2/NDF:1402157.3/17

Out: 0.337+/-0.000 χ^2/NDF:1310053.0/22

All: 0.341+/-0.000 χ^2/NDF: 2715524.1/40

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 159.220+/-0.000 χ^2/NDF:19257126.3/3

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: 159.679+/-0.000 χ^2/NDF: 22315226.6/5

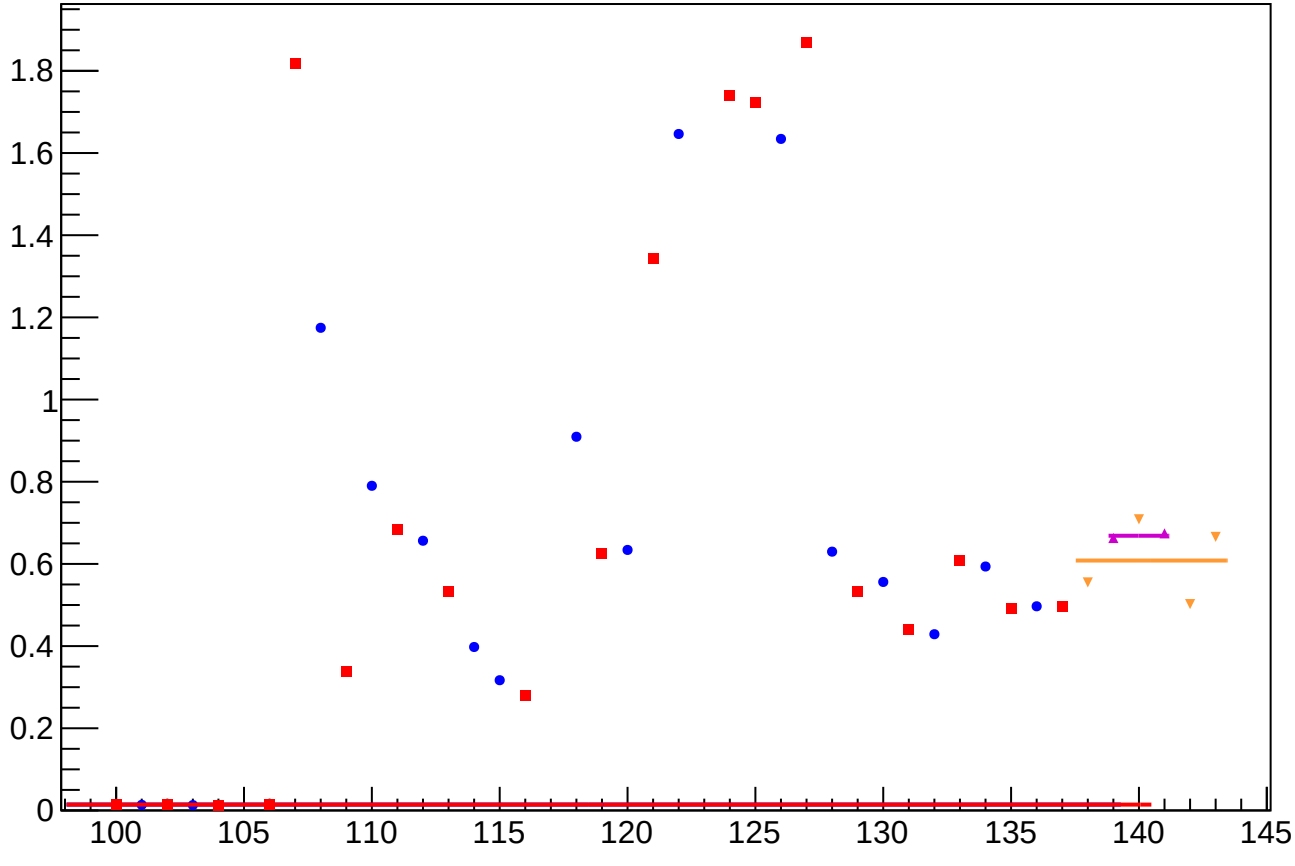
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.508+/-0.000 χ^2/NDF:8782865897312.3/17

Out: 872.228+/-0.000 χ^2/NDF:11790938804318.6

All: 872.358+/-0.000 χ^2/NDF: 20574105089

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.608+/-0.000 χ^2/NDF:64008.9/3

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: 0.631+/-0.000 χ^2/NDF: 78417.4/5

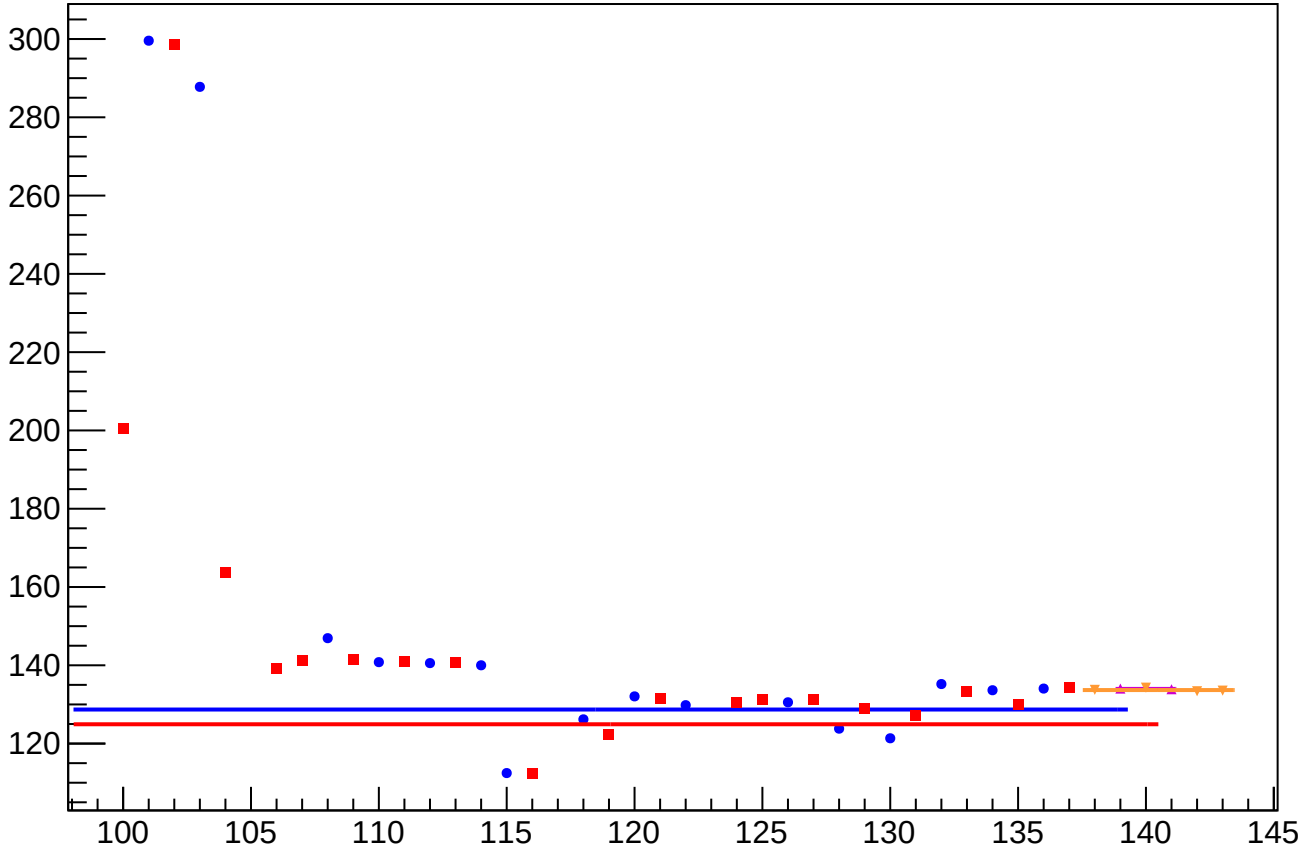
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:12306411.1/17

Out: 0.015+/-0.000 χ^2/NDF:13111184.4/22

All: 0.015+/-0.000 χ^2/NDF: 25417619.4/40

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.674+/-0.000 χ^2/NDF:938316.0/3

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: 133.757+/-0.000 χ^2/NDF: 1222234.2/5

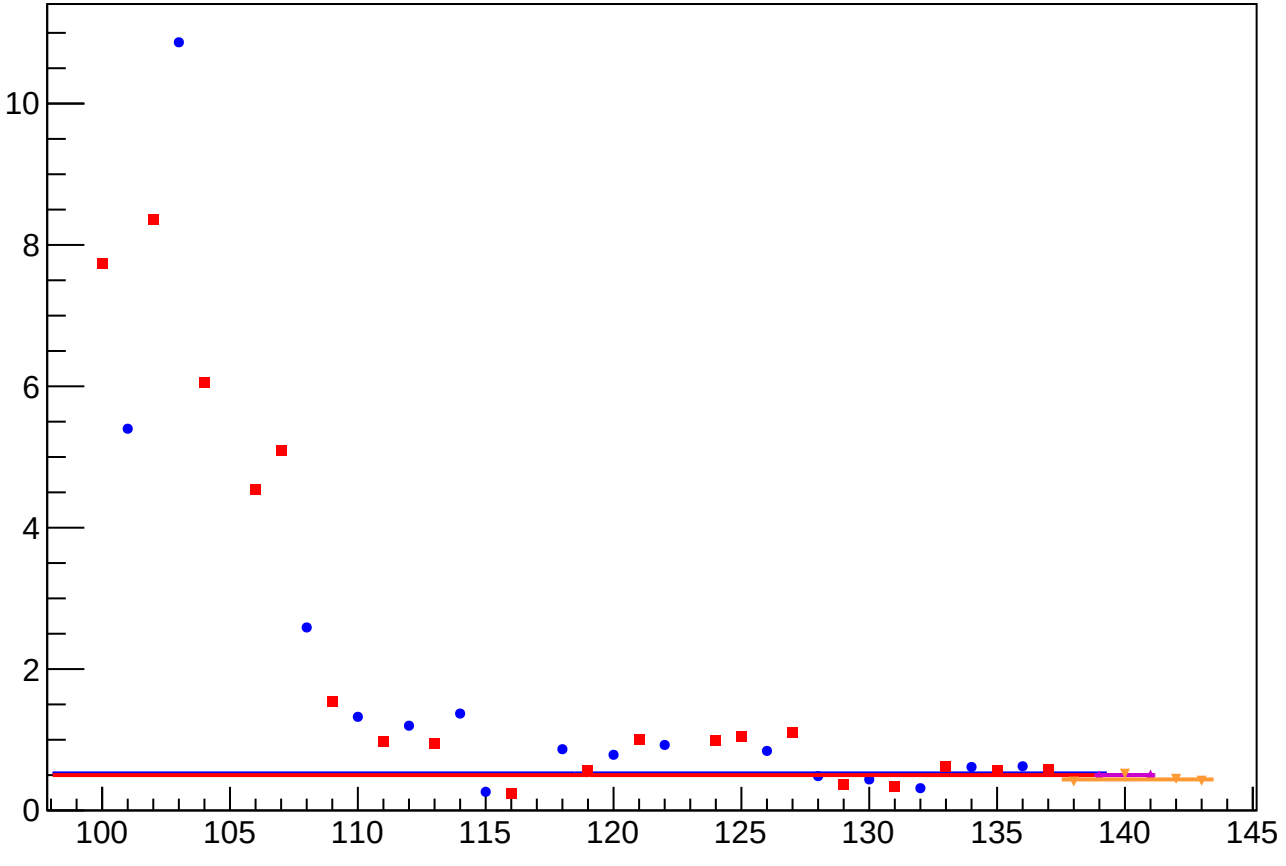
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 129.949+/-0.000 χ^2/NDF:1744092749.2/17

Out: 128.687+/-0.000 χ^2/NDF:1858820527.1/22

All: 129.212+/-0.000 χ^2/NDF: 3619219342.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.439+/-0.000 χ^2/NDF:30971.3/3

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: 0.457+/-0.000 χ^2/NDF: 54685.7/5

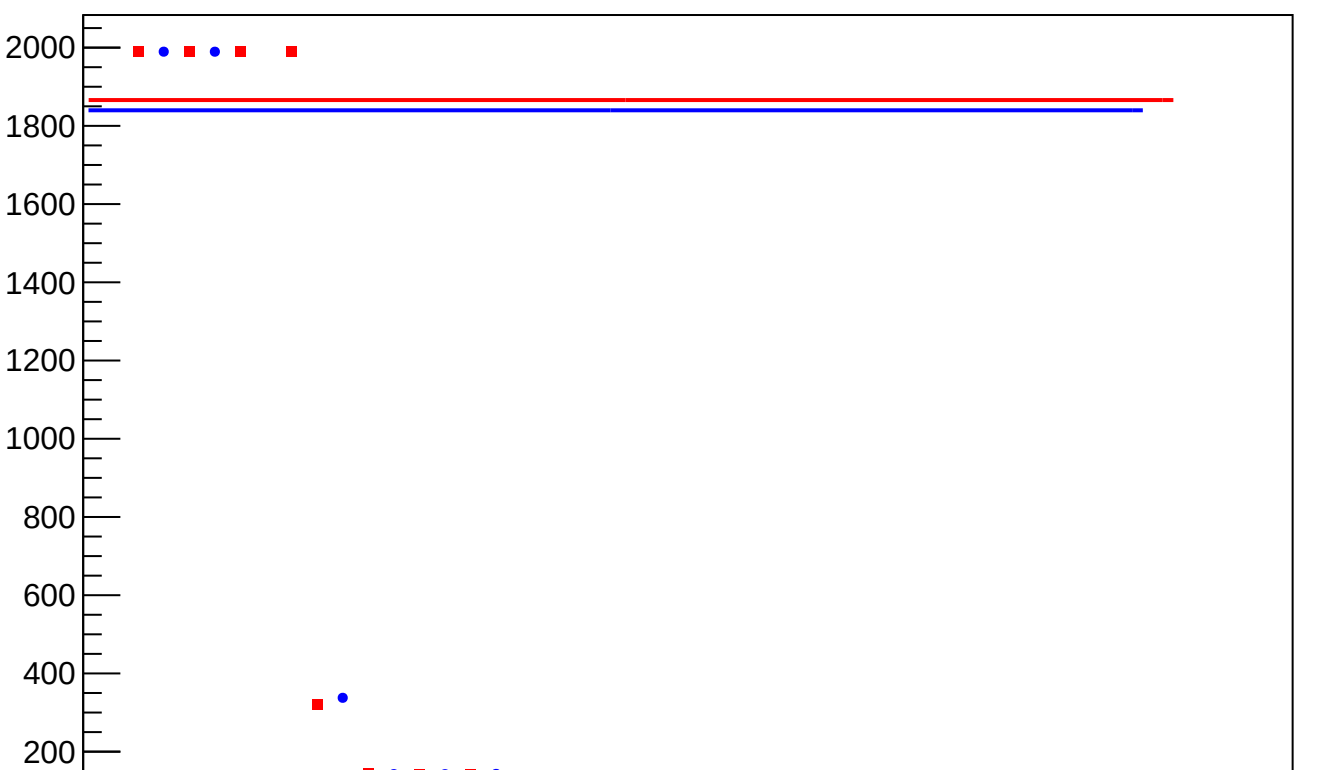
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.519+/-0.000 χ^2/NDF:4141907.6/17

Out: 0.474+/-0.000 χ^2/NDF:4960771.8/22

All: 0.493+/-0.000 χ^2/NDF: 9143433.4/40

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.149+/-0.000 χ^2/NDF:7256714.7/3

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: 137.202+/-0.000 χ^2/NDF: 8444295.8/5

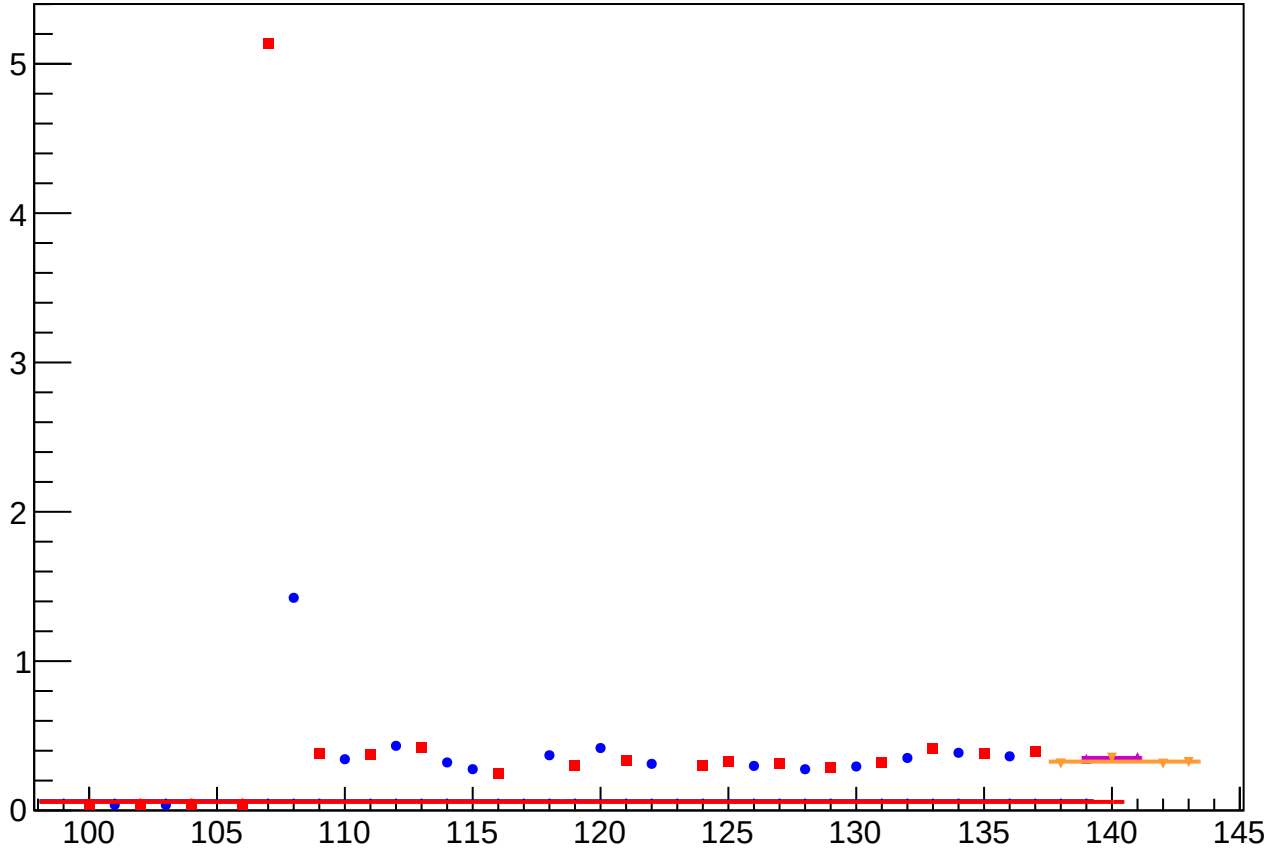
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1800.362+/-0.000 χ^2/NDF:184191685367314.

Out: 1800.861+/-0.000 χ^2/NDF:21772479793264

All: 1800.633+/-0.000 χ^2/NDF: 4019165622

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.327+/-0.000 χ^2/NDF:13054.6/3

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: 0.335+/-0.000 χ^2/NDF: 24550.8/5

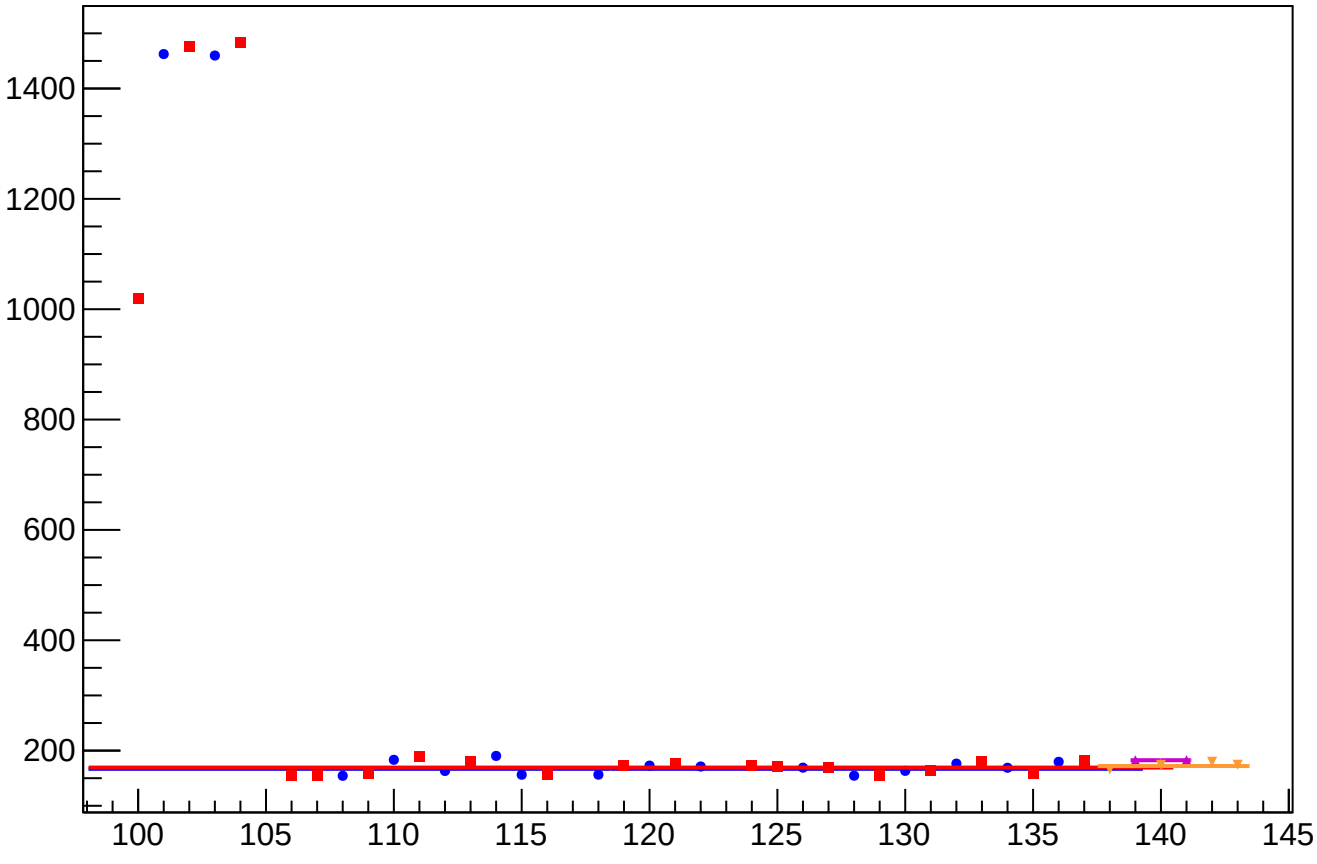
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.068+/-0.000 χ^2/NDF:10390209.5/17

Out: 0.067+/-0.000 χ^2/NDF:11405559.0/22

All: 0.068+/-0.000 χ^2/NDF: 21796442.6/40

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 172.041+/-0.001 χ^2/NDF:55629593.9/3

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: 175.686+/-0.001 χ^2/NDF: 152789551.7/5

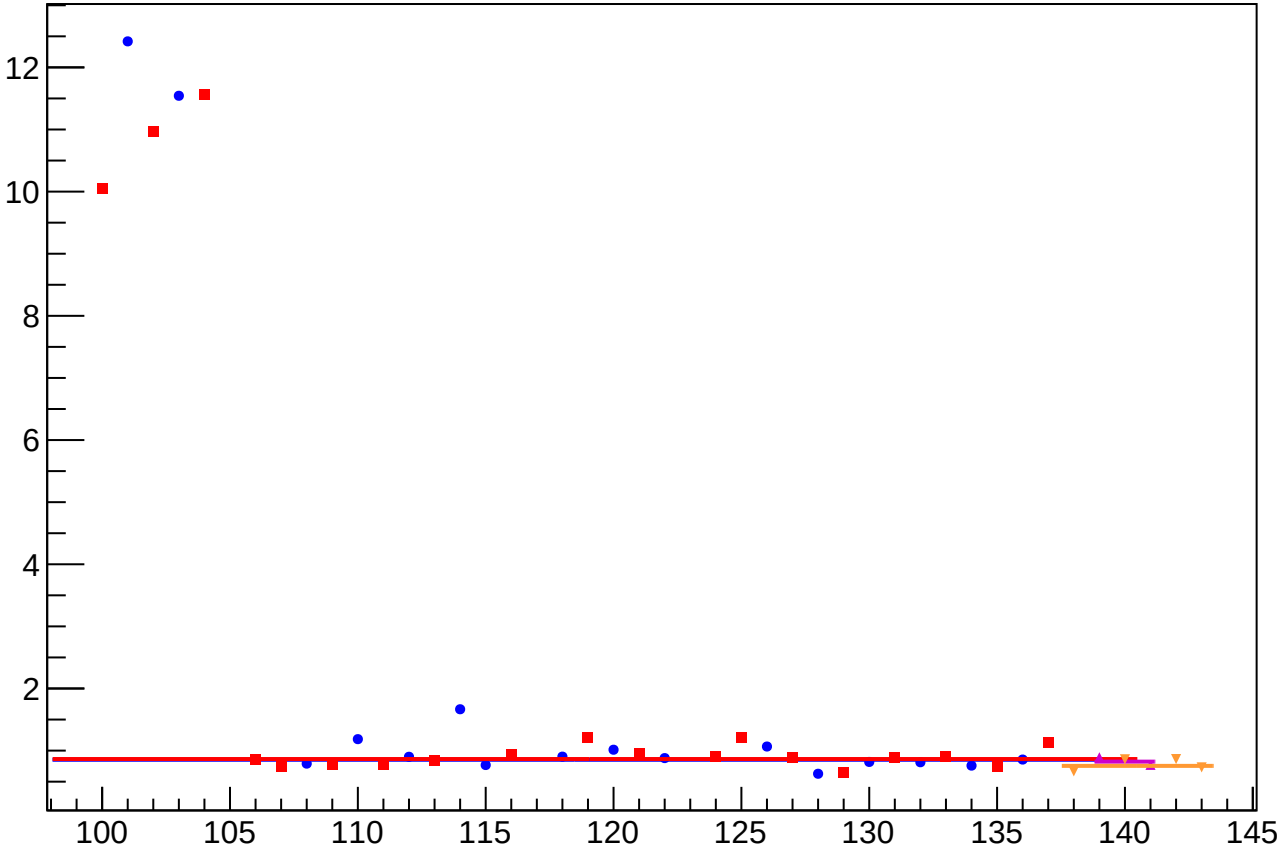
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 170.151+/-0.000 χ^2/NDF:14873437946.0/17

Out: 170.139+/-0.000 χ^2/NDF:16386547056.7/22

All: 170.144+/-0.000 χ^2/NDF: 31259985530.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.754+/-0.000 χ^2/NDF:35216.0/3

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.822+/-0.001 χ^2/NDF:9777.1/1

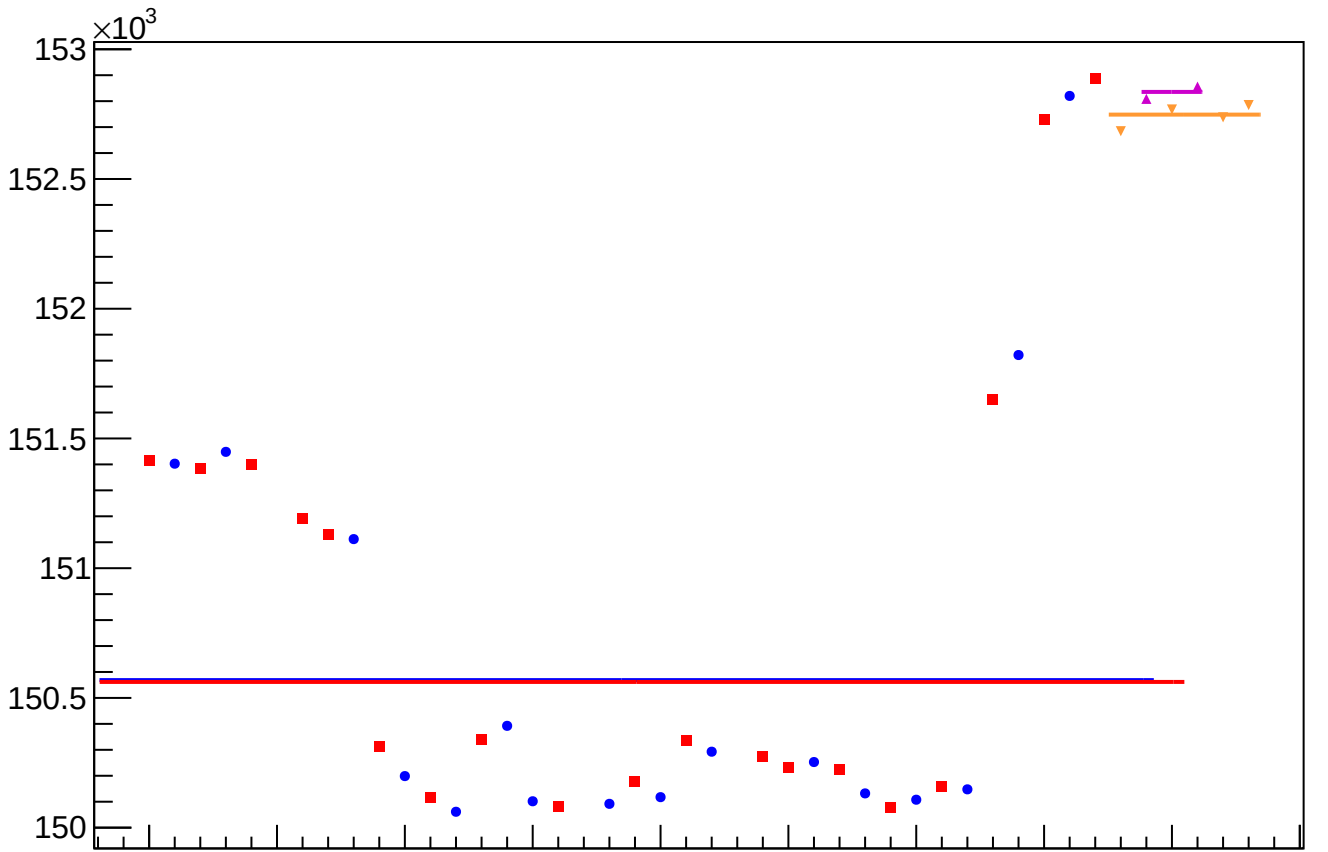
Left: 0.778+/-0.000 χ^2/NDF: 53109.5/5

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.847+/-0.000 χ^2/NDF:2314074.6/17

Out: 0.829+/-0.000 χ^2/NDF:2286321.8/22

All: 0.837+/-0.000 χ^2/NDF: 4602587.5/40



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152748.129+/-0.101 χ^2/NDF:150068.0/3

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152835.584+/-0.130 χ^2/NDF:32542.5/1

Left: 152781.358+/-0.080 χ^2/NDF: 464694.7/5

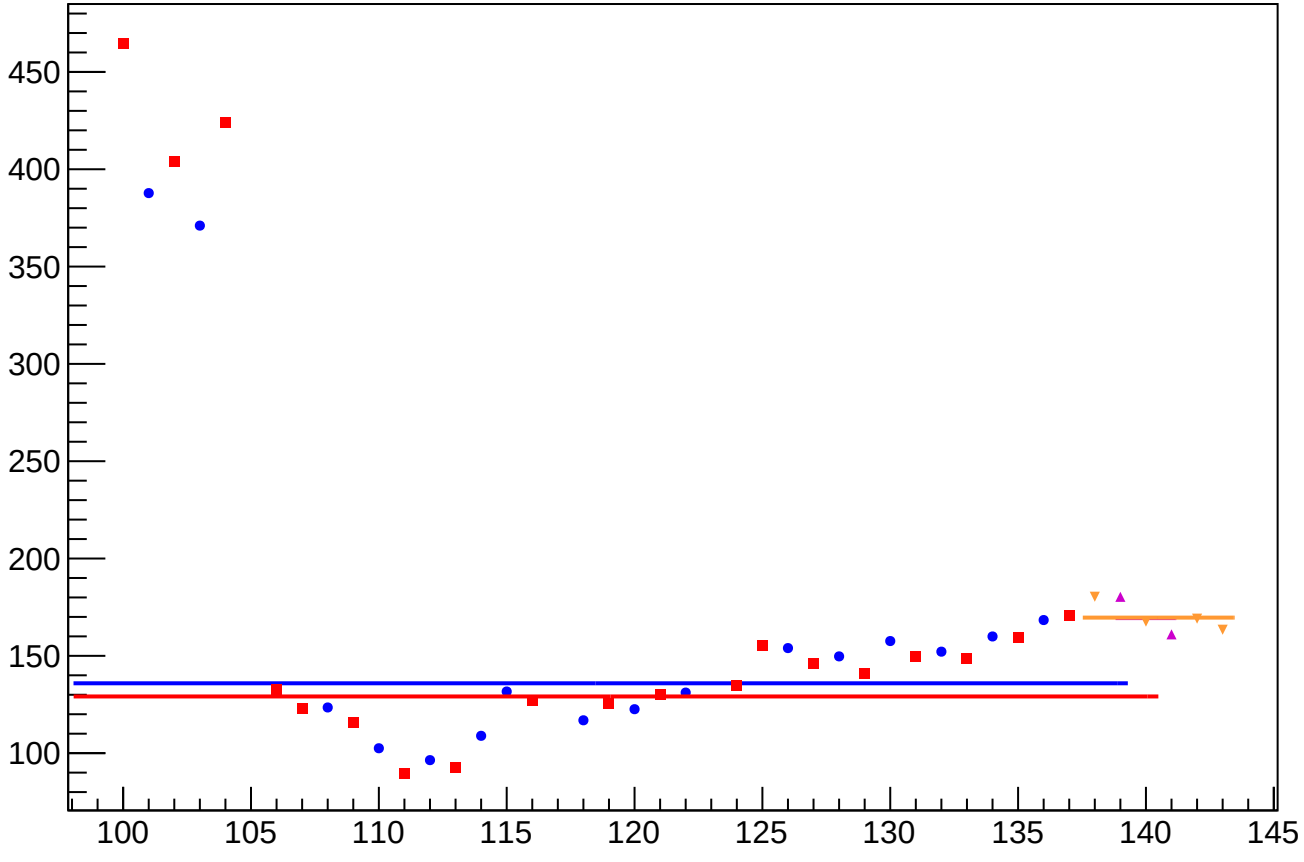
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 150910.191+/-0.050 χ^2/NDF:496812324.2/17

Out: 151002.145+/-0.046 χ^2/NDF:568211203.5/22

All: 150960.732+/-0.034 χ^2/NDF: 10668583

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 169.640+/-0.072 χ^2/NDF:7983.7/3

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 169.395+/-0.092 χ^2/NDF:10871.4/1

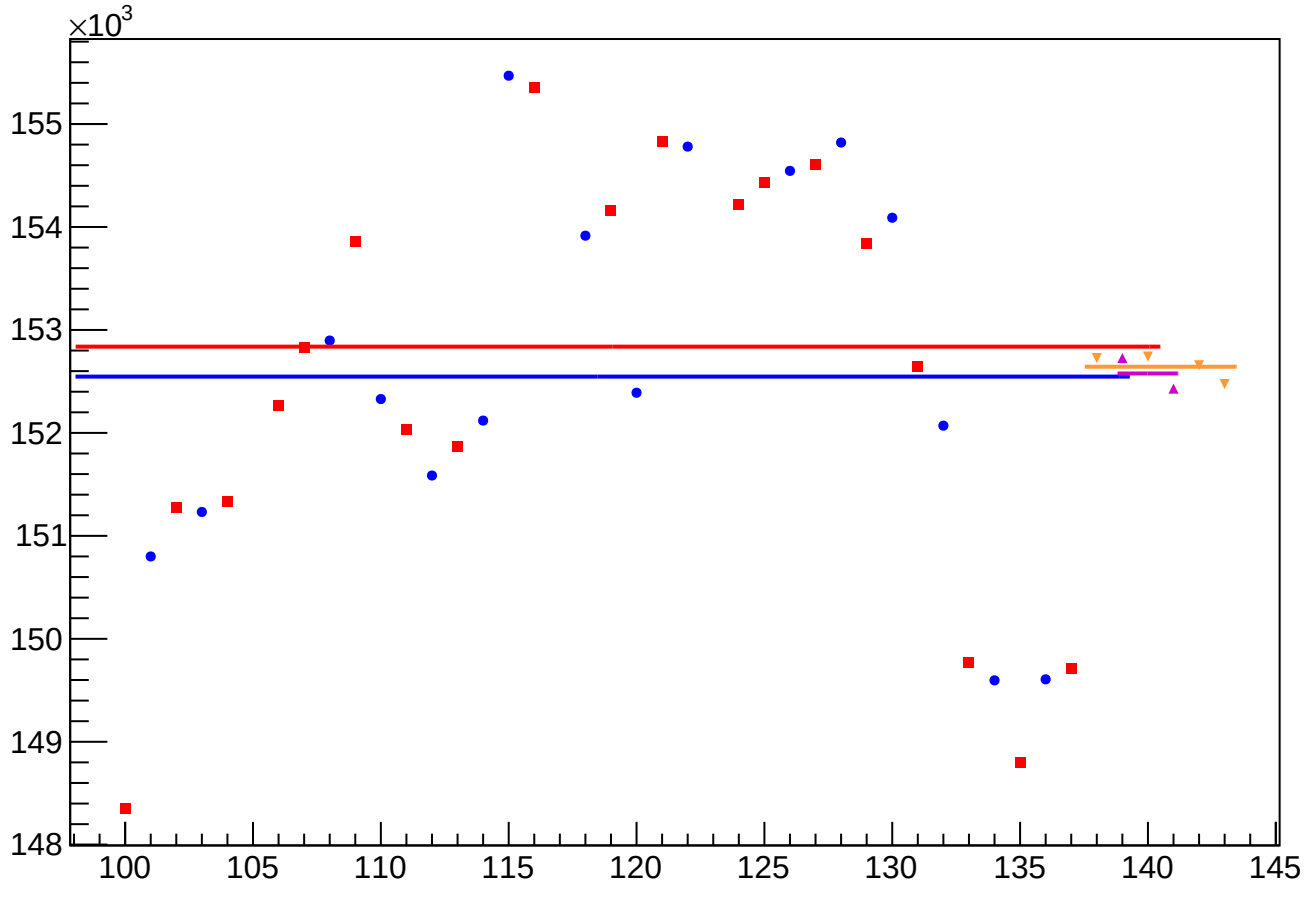
Left: 169.547+/-0.057 χ^2/NDF: 18859.5/5

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 140.943+/-0.036 χ^2/NDF:1540588.2/17

Out: 137.292+/-0.032 χ^2/NDF:1876694.1/22

All: 138.936+/-0.024 χ^2/NDF: 3423068.8/40



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152642.697+/-0.107 χ^2/NDF:1135075.2/3

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: 152619.819+/-0.086 χ^2/NDF: 2294189.7/5

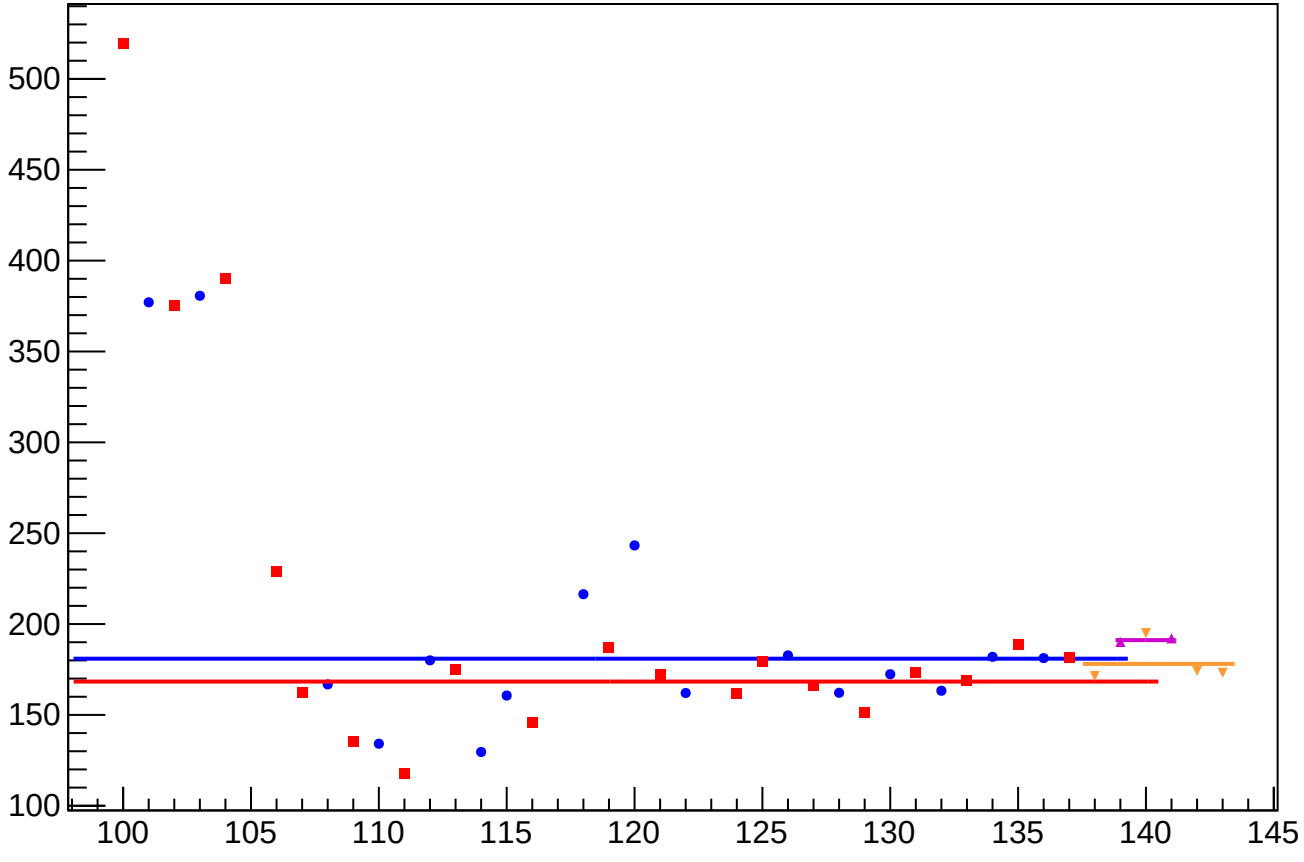
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152552.877+/-0.065 χ^2/NDF:655603481.7/17

Out: 152783.449+/-0.057 χ^2/NDF:740433480.6/22

All: 152684.089+/-0.043 χ^2/NDF: 14031867

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 178.074+/-0.076 χ^2/NDF:16026.8/3

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 191.163+/-0.103 χ^2/NDF:90.9/1

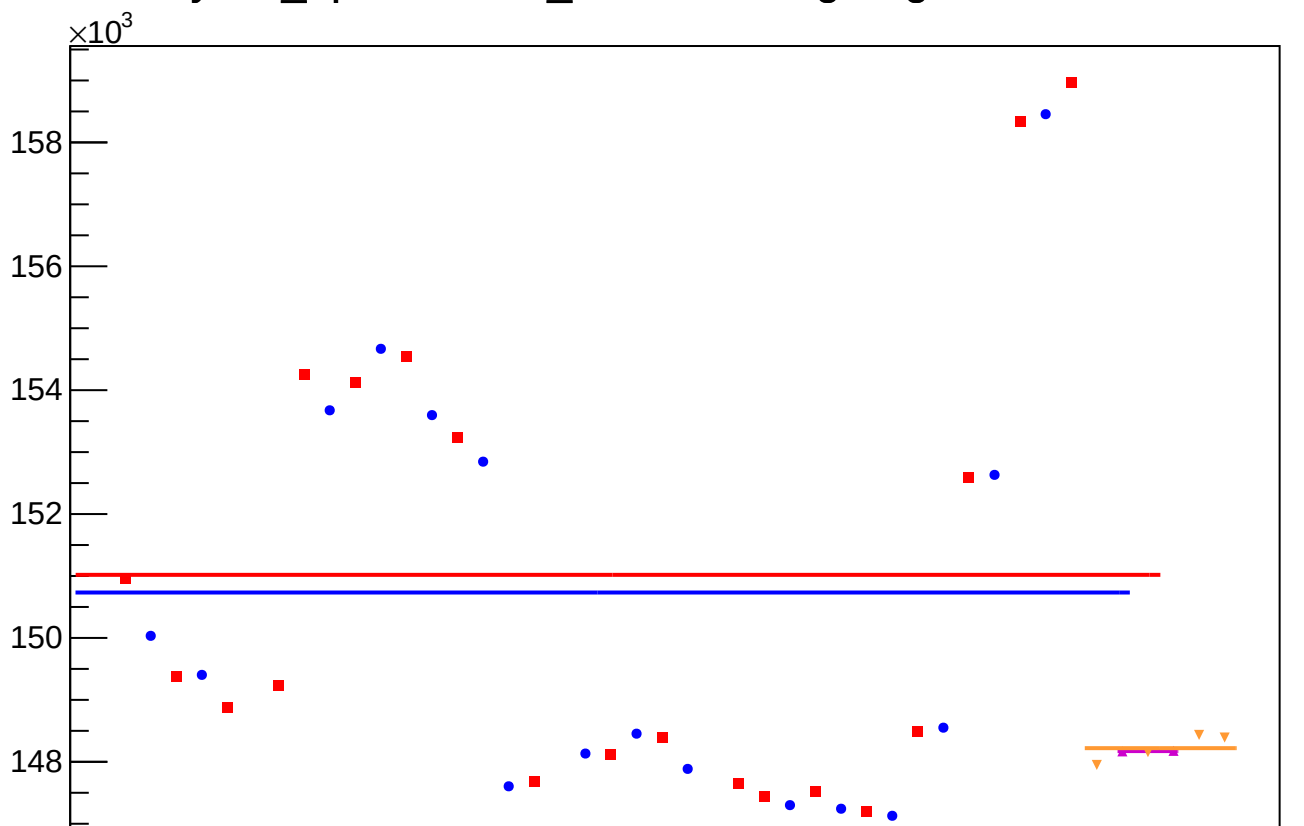
Left: 182.643+/-0.061 χ^2/NDF: 26527.8/5

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 182.958+/-0.046 χ^2/NDF:915680.8/17

Out: 171.062+/-0.040 χ^2/NDF:1116989.9/22

All: 176.188+/-0.030 χ^2/NDF: 2070737.9/40



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148220.446+/-0.105 χ^2/NDF:3278546.4/3

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: 148202.947+/-0.083 χ^2/NDF: 3354114.0/5

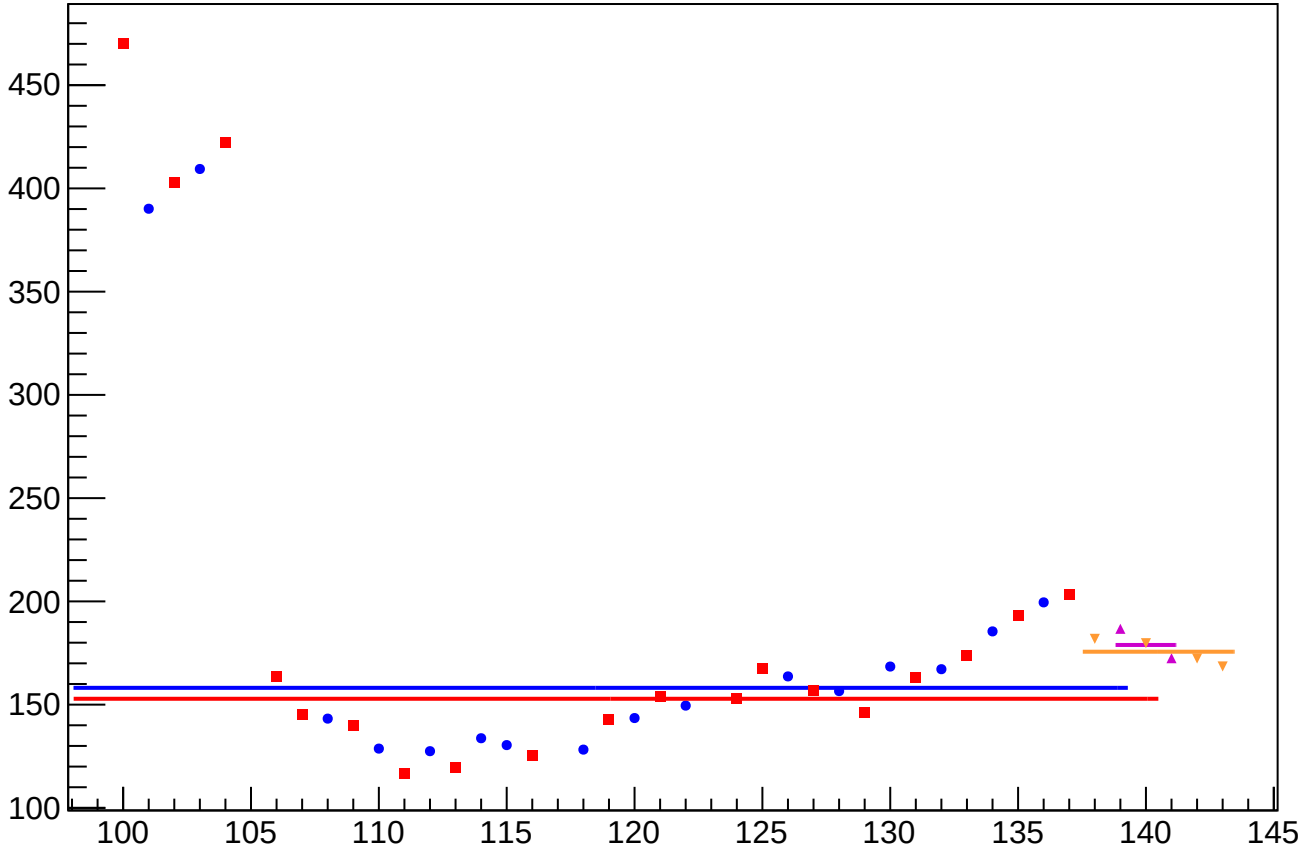
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150286.699+/-0.057 χ^2/NDF:3572835977.2/17

Out: 150330.080+/-0.052 χ^2/NDF:3823483872.7/2

All: 150310.371+/-0.039 χ^2/NDF: 73966342

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 175.627+/-0.074 χ^2/NDF:5806.8/3

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 178.899+/-0.097 χ^2/NDF:5364.5/1

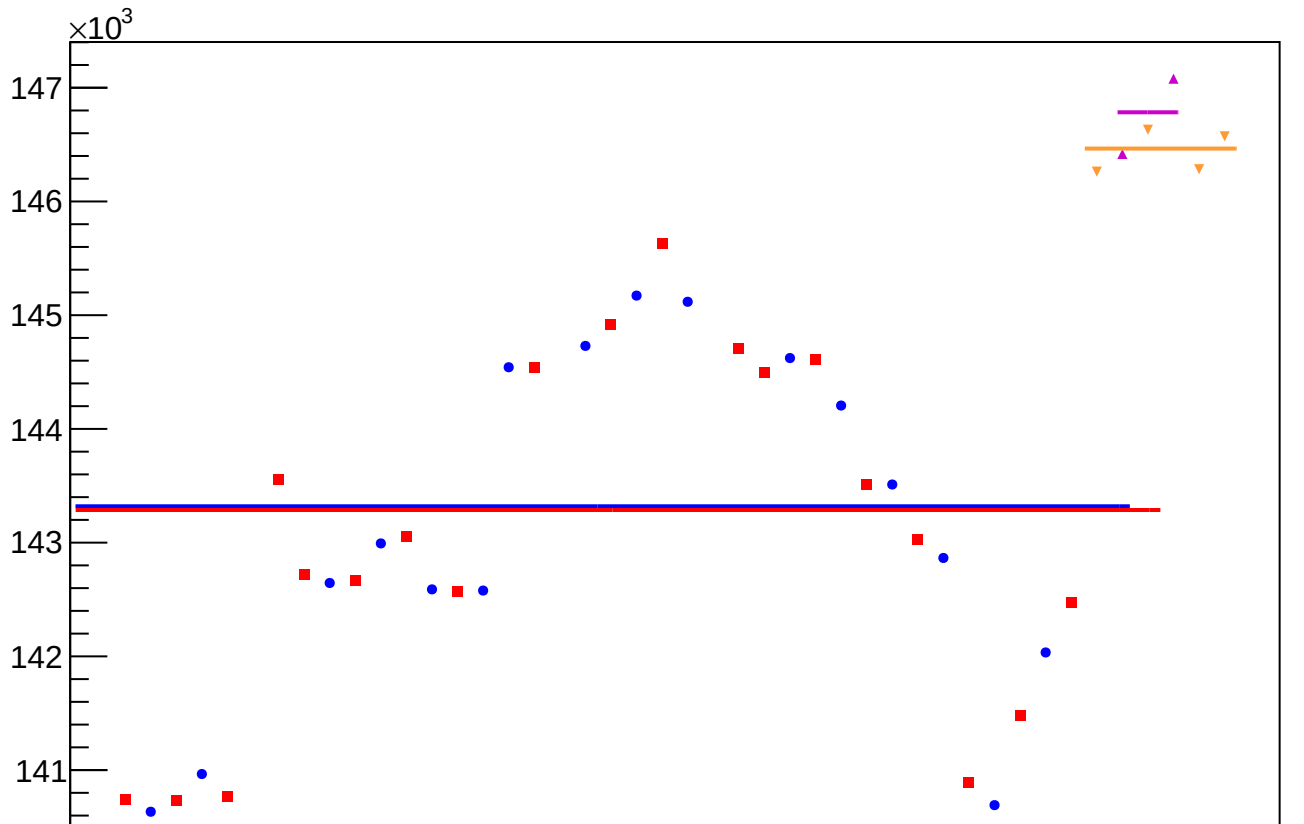
Left: 176.841+/-0.059 χ^2/NDF: 11890.4/5

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 161.760+/-0.040 χ^2/NDF:1239076.2/17

Out: 158.447+/-0.037 χ^2/NDF:1340877.6/22

All: 159.952+/-0.027 χ^2/NDF: 2583620.2/40



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146465.142+/-0.104 χ^2/NDF:2488551.4/3

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: 146583.777+/-0.082 χ^2/NDF: 11951147.9/5

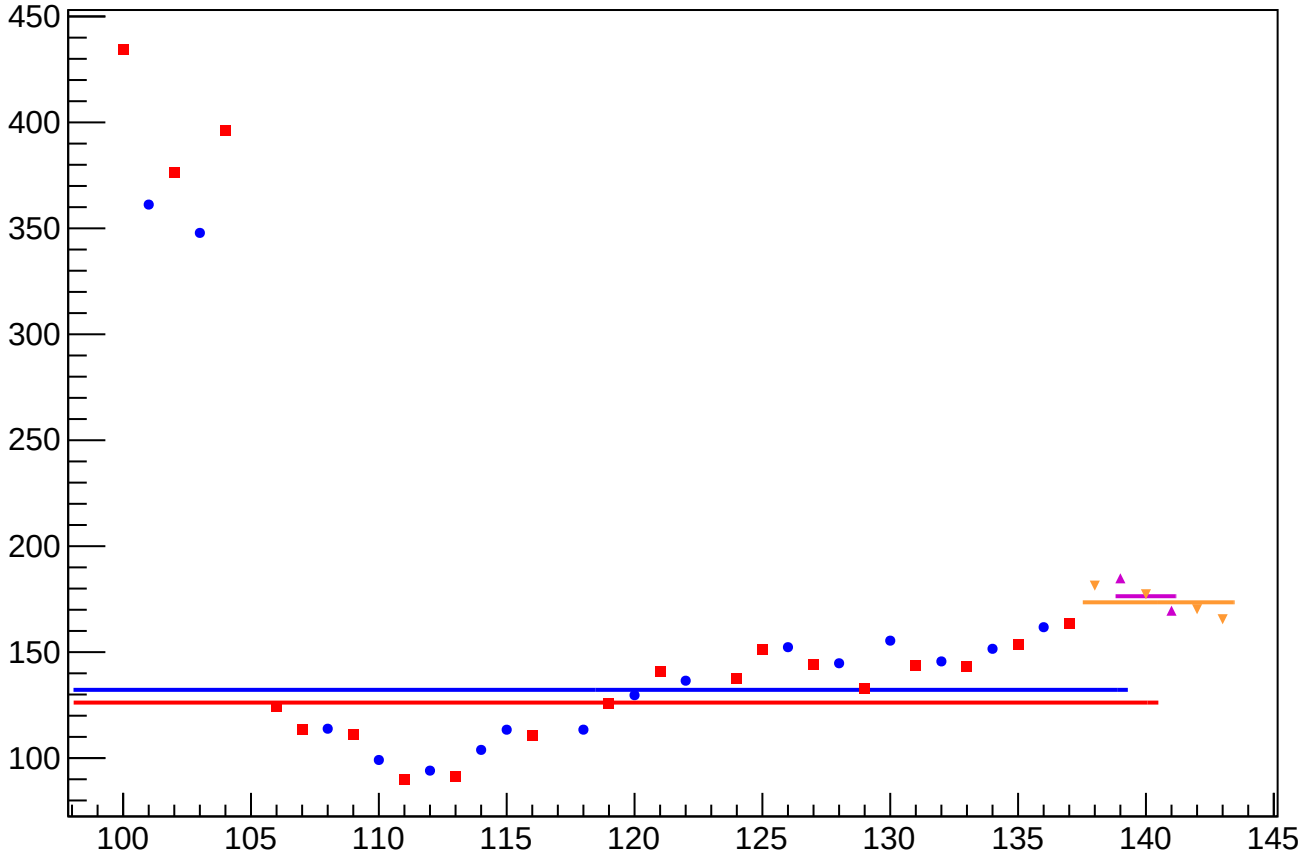
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 143785.069+/-0.049 χ^2/NDF:1136581620.3/17

Out: 143879.962+/-0.045 χ^2/NDF:1385795978.8/2

All: 143837.132+/-0.033 χ^2/NDF: 25243998

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 173.511+/-0.073 χ^2/NDF:7648.8/3

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 176.389+/-0.095 χ^2/NDF:6350.4/1

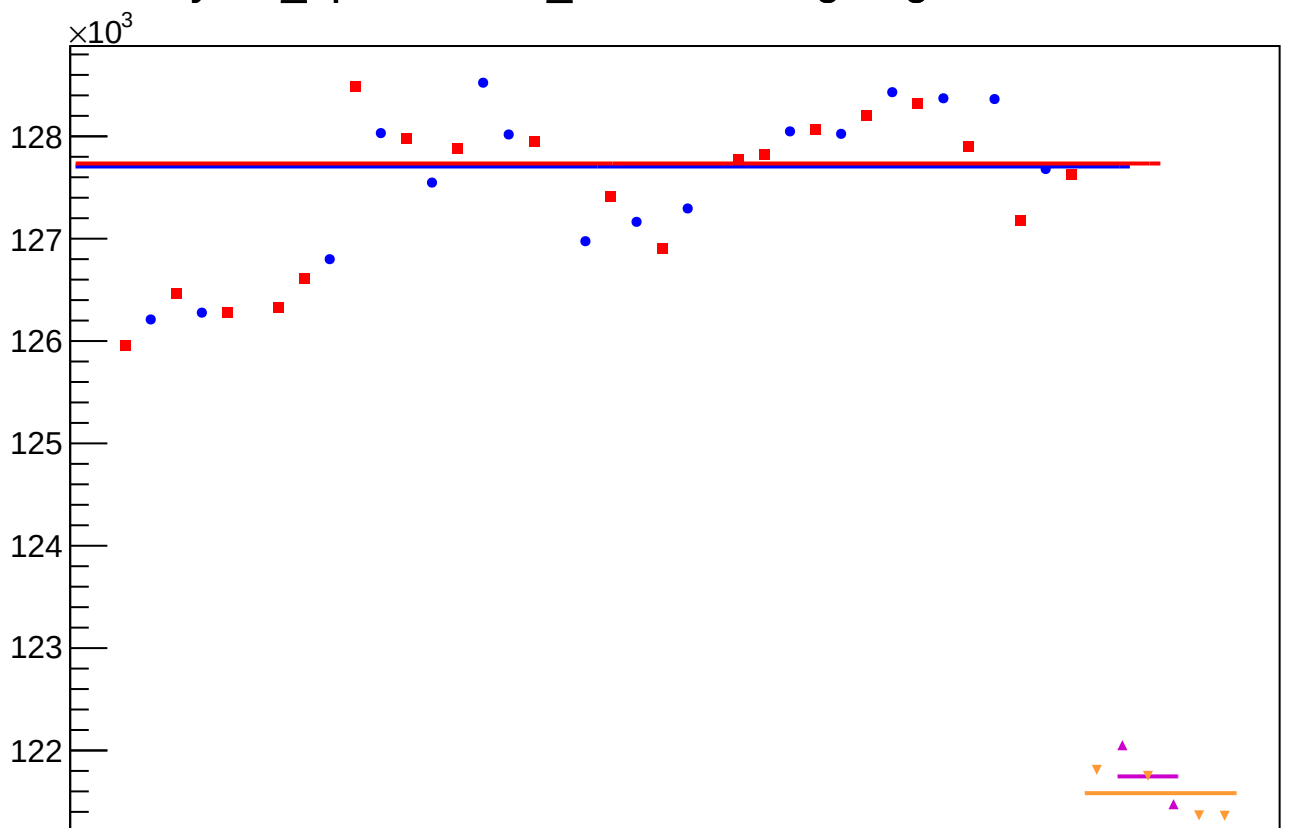
Left: 174.582+/-0.058 χ^2/NDF: 14571.0/5

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 138.140+/-0.035 χ^2/NDF:1571384.4/17

Out: 135.020+/-0.032 χ^2/NDF:1890880.7/22

All: 136.428+/-0.023 χ^2/NDF: 3466636.3/40



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121582.829+/-0.092 χ^2/NDF:5144601.6/3

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: 121643.664+/-0.073 χ^2/NDF: 12054801.3/5

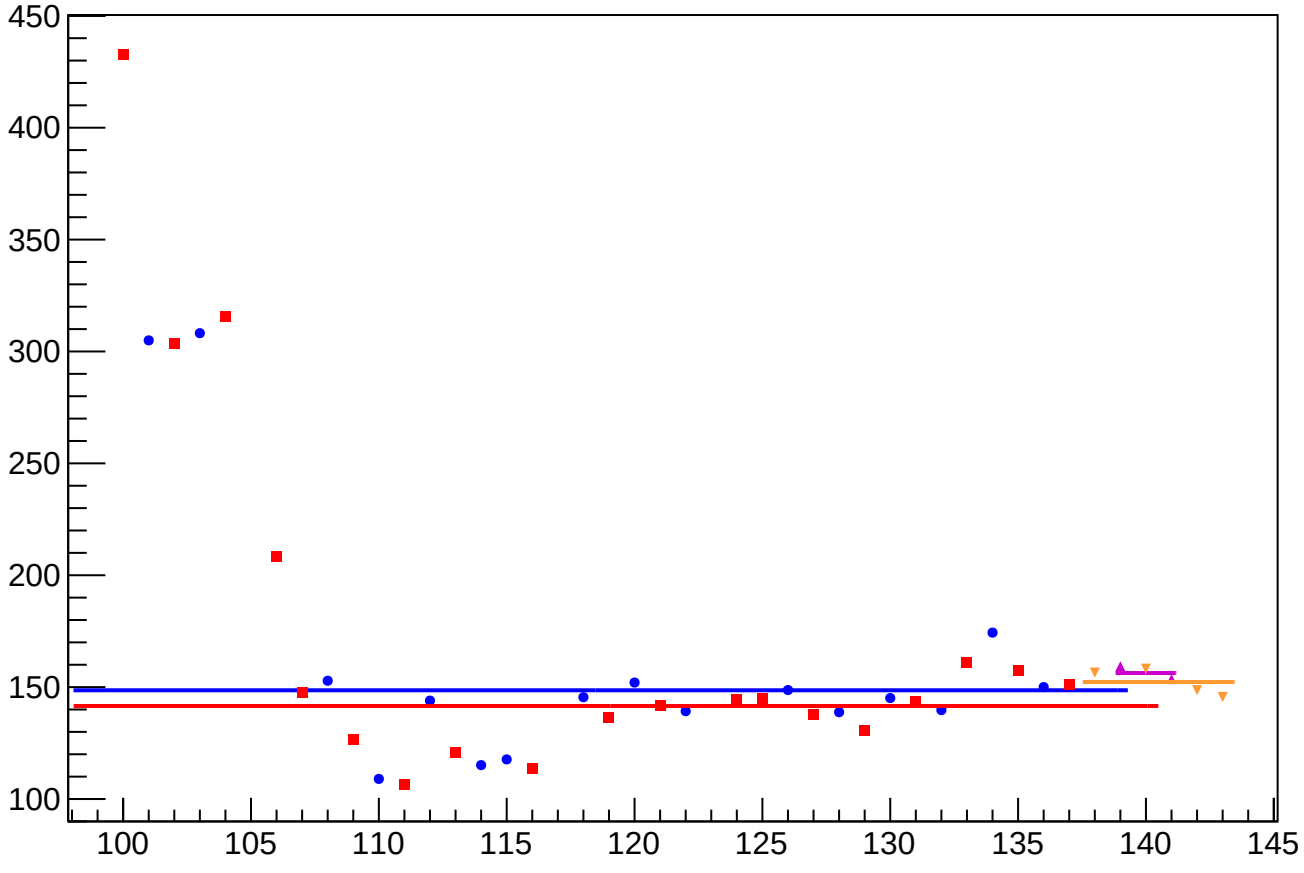
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 126564.056+/-0.053 χ^2/NDF:2102889074.5/17

Out: 126127.115+/-0.047 χ^2/NDF:3393857806.4/2

All: 126322.304+/-0.035 χ^2/NDF: 55350340

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 152.299+/-0.065 χ^2/NDF:7090.6/3

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 156.298+/-0.085 χ^2/NDF:1119.5/1

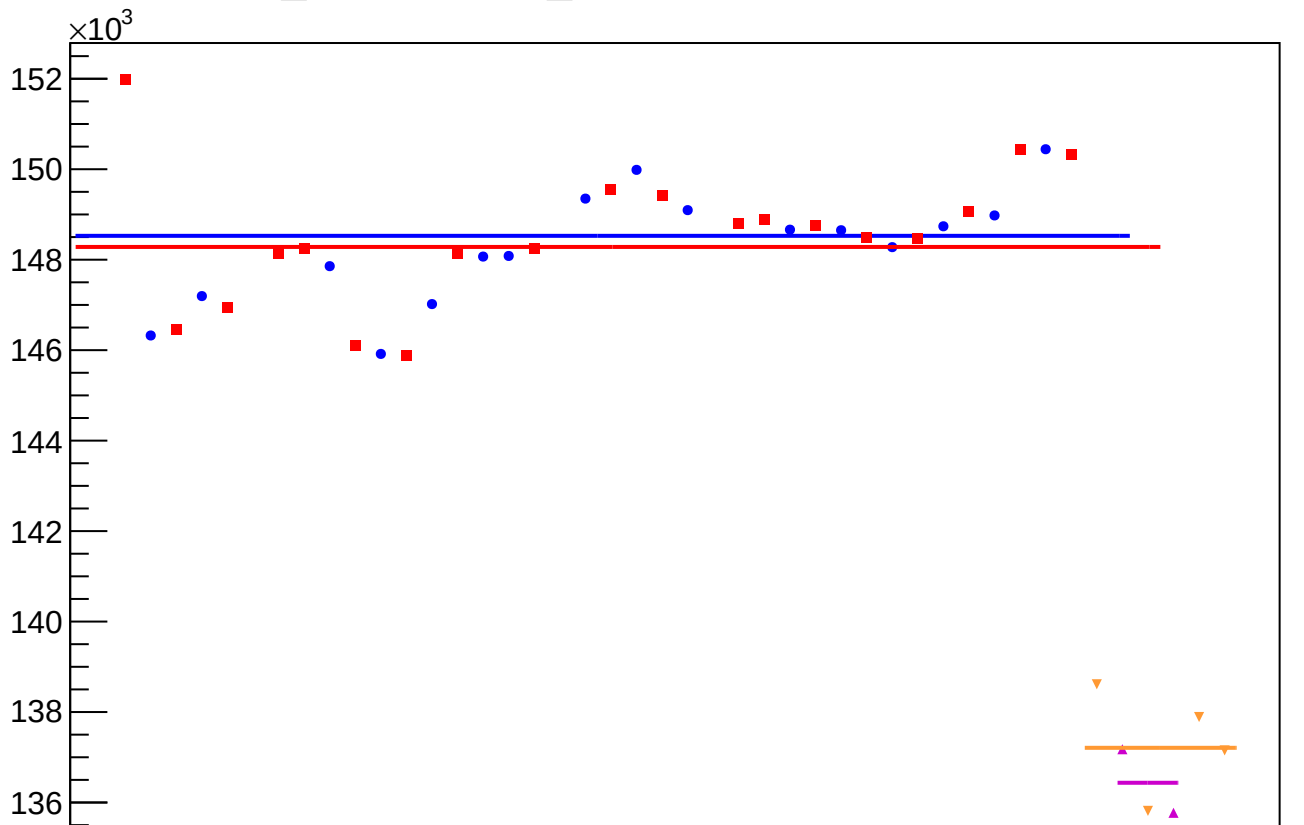
Left: 153.786+/-0.052 χ^2/NDF: 9604.5/5

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 150.069+/-0.037 χ^2/NDF:835483.8/17

Out: 144.368+/-0.033 χ^2/NDF:1028292.0/22

All: 146.915+/-0.025 χ^2/NDF: 1876807.8/40



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137209.007+/-0.136 χ^2/NDF:61376542.0/3

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: 136903.800+/-0.106 χ^2/NDF: 91463323.6/5

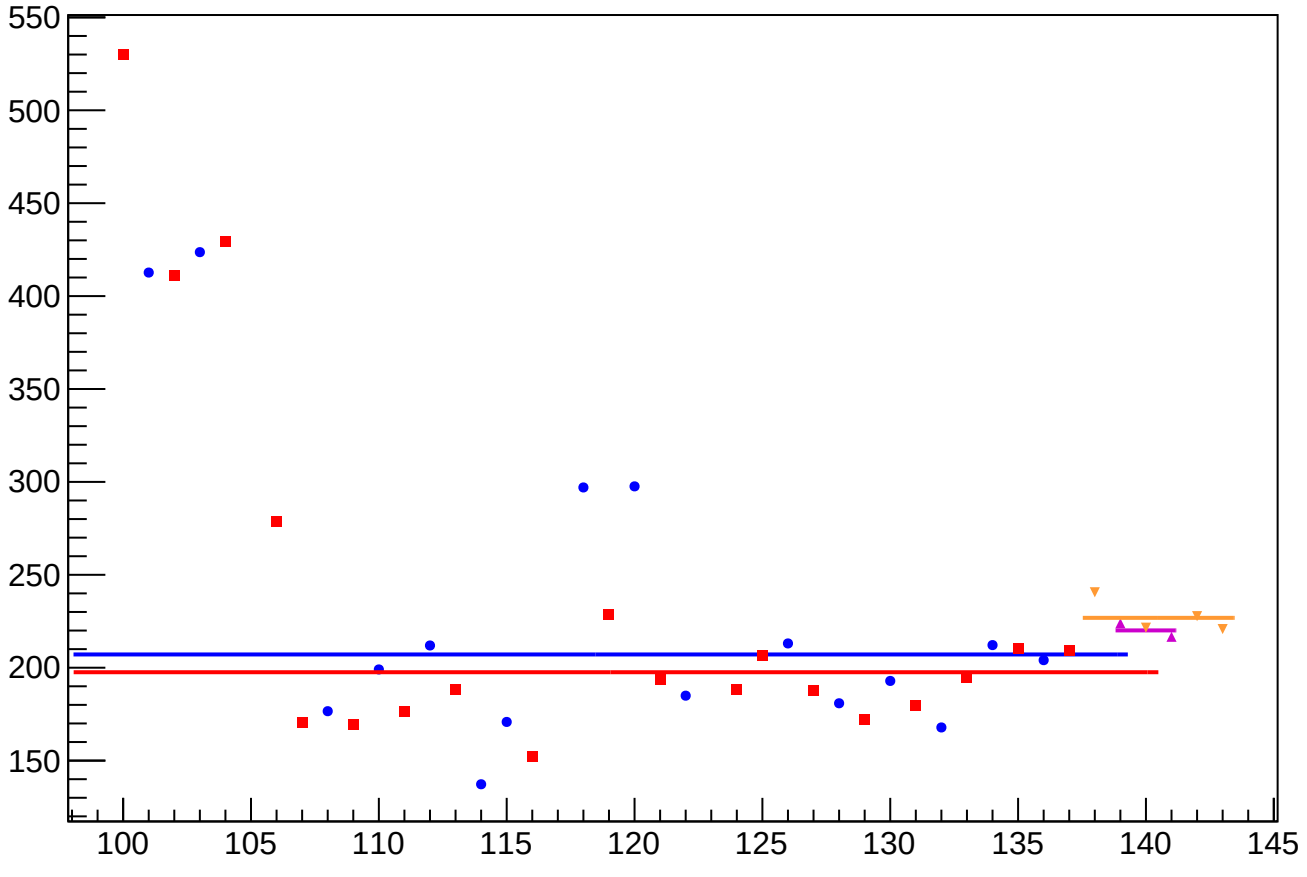
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 146213.339+/-0.074 χ^2/NDF:4394408517.9/17

Out: 145616.928+/-0.067 χ^2/NDF:5384767715.1/2

All: 145885.777+/-0.049 χ^2/NDF: 98151605

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 226.836+/-0.096 χ^2/NDF:7039.9/3

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 220.077+/-0.119 χ^2/NDF:923.8/1

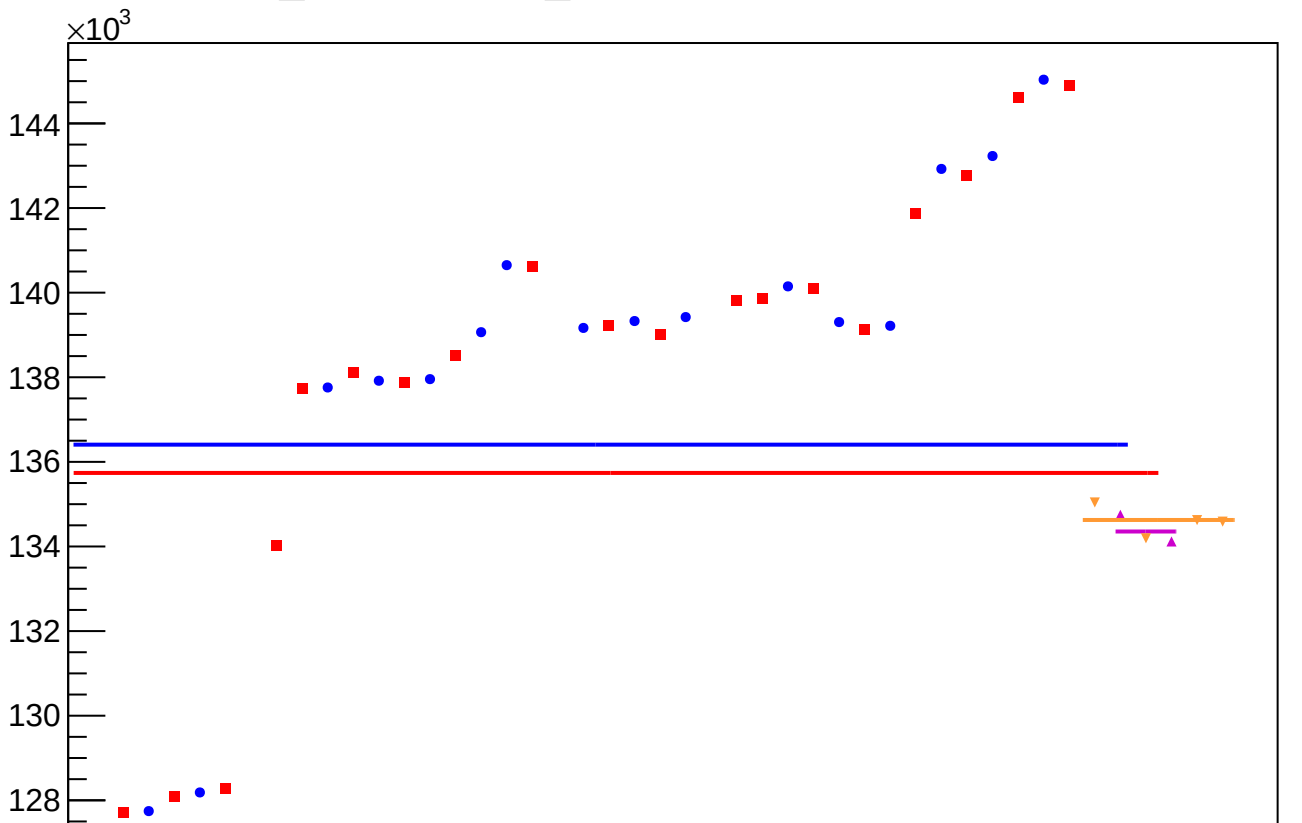
Left: 224.167+/-0.075 χ^2/NDF: 9913.1/5

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 209.612+/-0.052 χ^2/NDF:982690.1/17

Out: 204.615+/-0.047 χ^2/NDF:981291.6/22

All: 206.867+/-0.035 χ^2/NDF: 1969034.5/40



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134626.576+/-0.311 χ^2/NDF:1019287.1/3

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: 134522.019+/-0.244 χ^2/NDF: 1915043.1/5

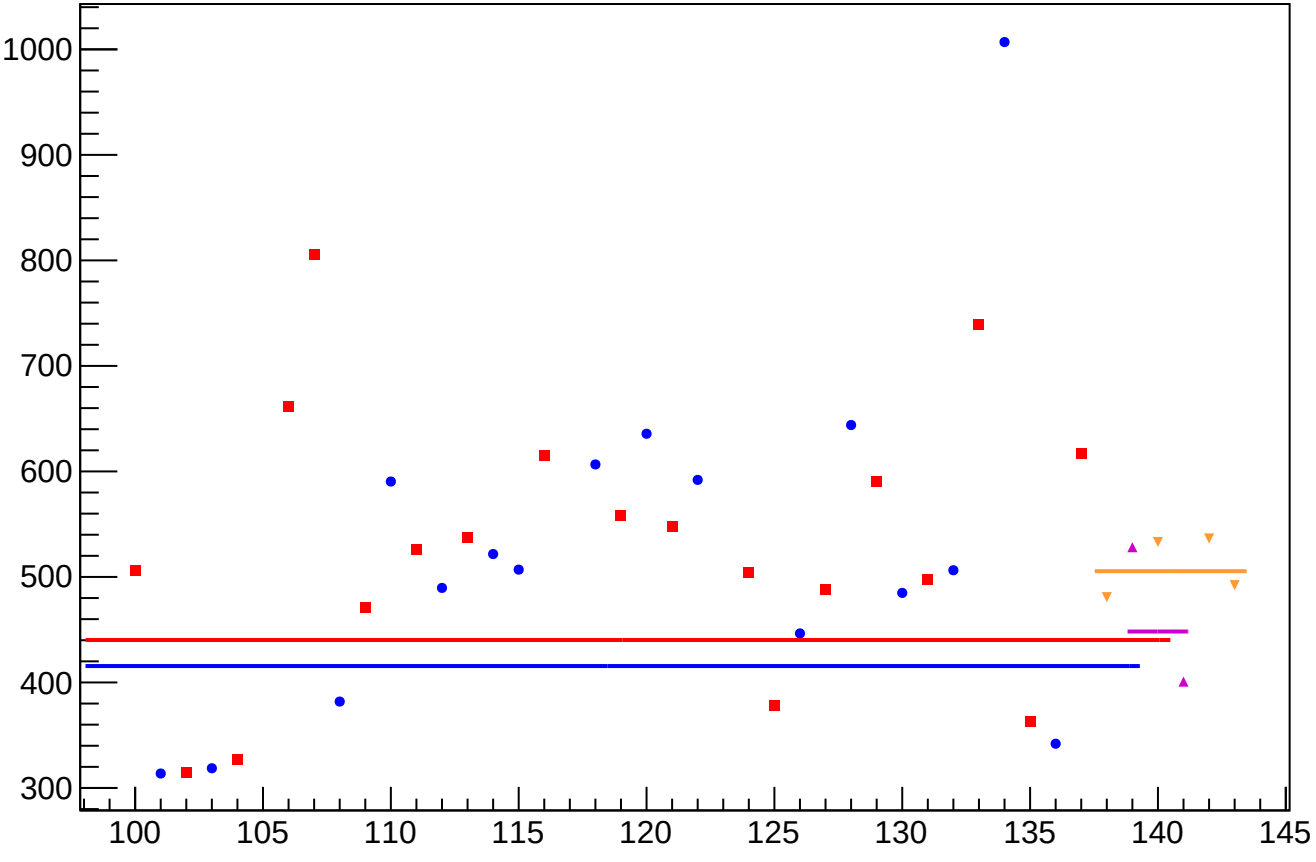
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 136088.843+/-0.155 χ^2/NDF:1600650205.7/17

Out: 135466.500+/-0.154 χ^2/NDF:1184828958.8/2

All: 135774.824+/-0.109 χ^2/NDF: 27936168

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 505.456+/-0.220 χ^2/NDF:11674.2/3

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 448.264+/-0.278 χ^2/NDF:48966.4/1

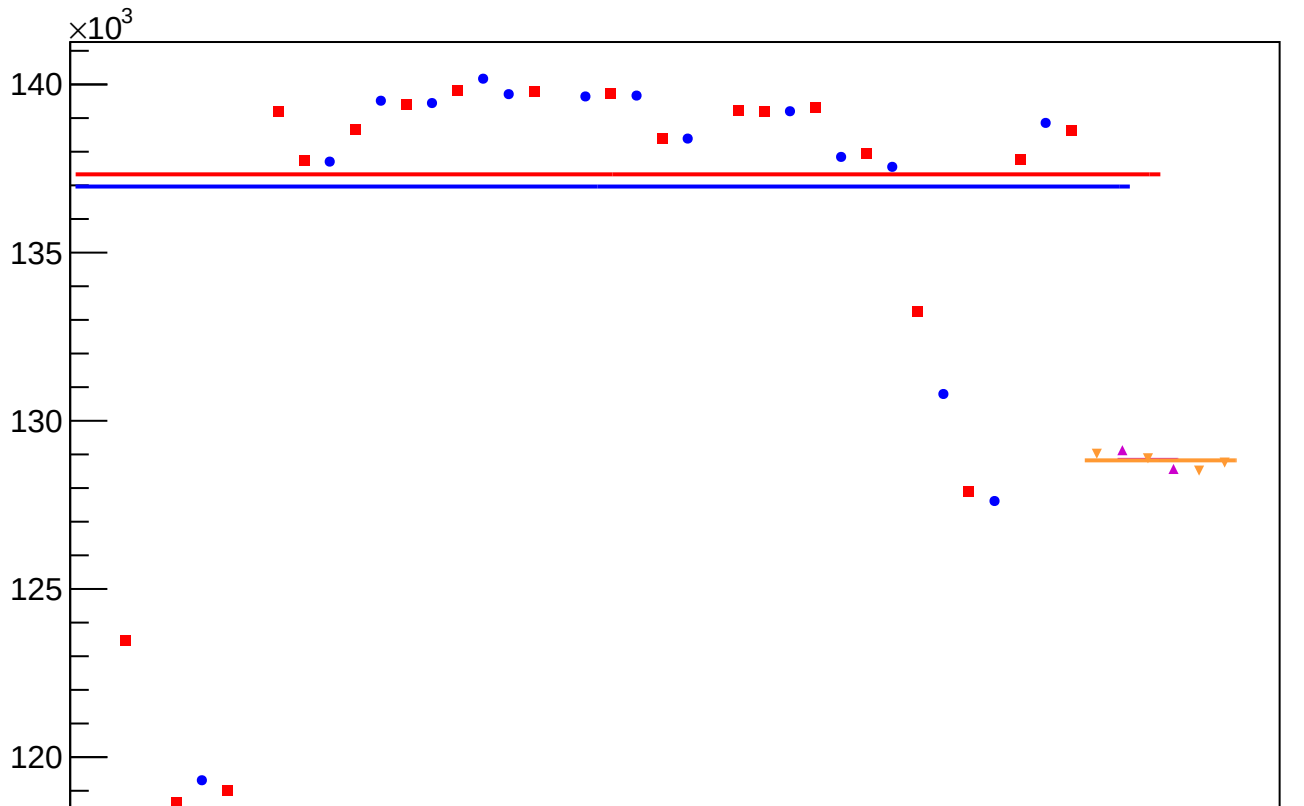
Left: 483.523+/-0.172 χ^2/NDF: 86661.2/5

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 420.616+/-0.110 χ^2/NDF:1092238.2/17

Out: 456.172+/-0.109 χ^2/NDF:989159.1/22

All: 438.557+/-0.077 χ^2/NDF: 2134522.9/40



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128823.561+/-0.099 χ^2/NDF:2781357.3/3

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: 128828.799+/-0.080 χ^2/NDF: 7159838.4/5

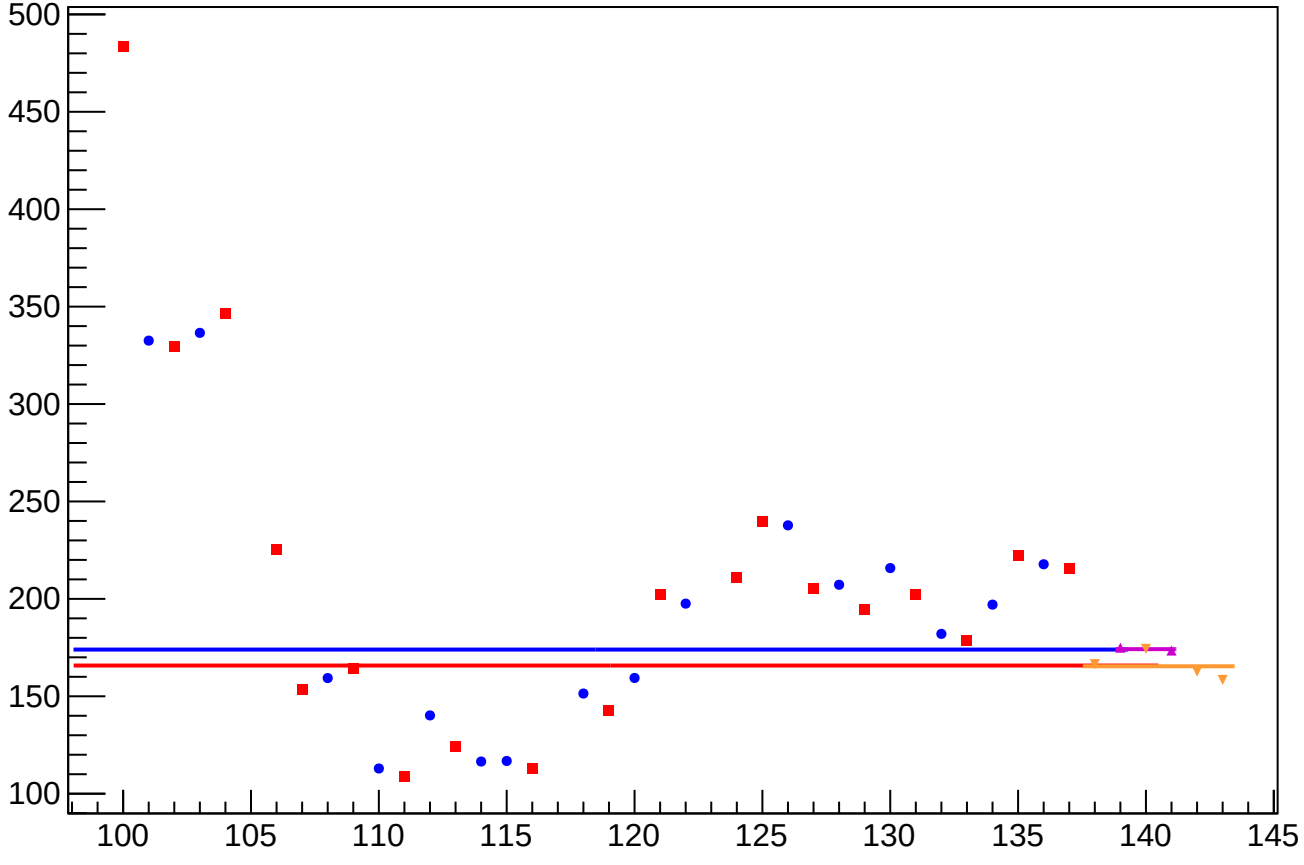
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 135218.997+/-0.062 χ^2/NDF:8730546721.0/17

Out: 134748.982+/-0.055 χ^2/NDF:10831503188.2

All: 134955.856+/-0.041 χ^2/NDF: 19594492

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 165.412+/-0.070 χ^2/NDF:7609.0/3

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 174.192+/-0.094 χ^2/NDF:59.0/1

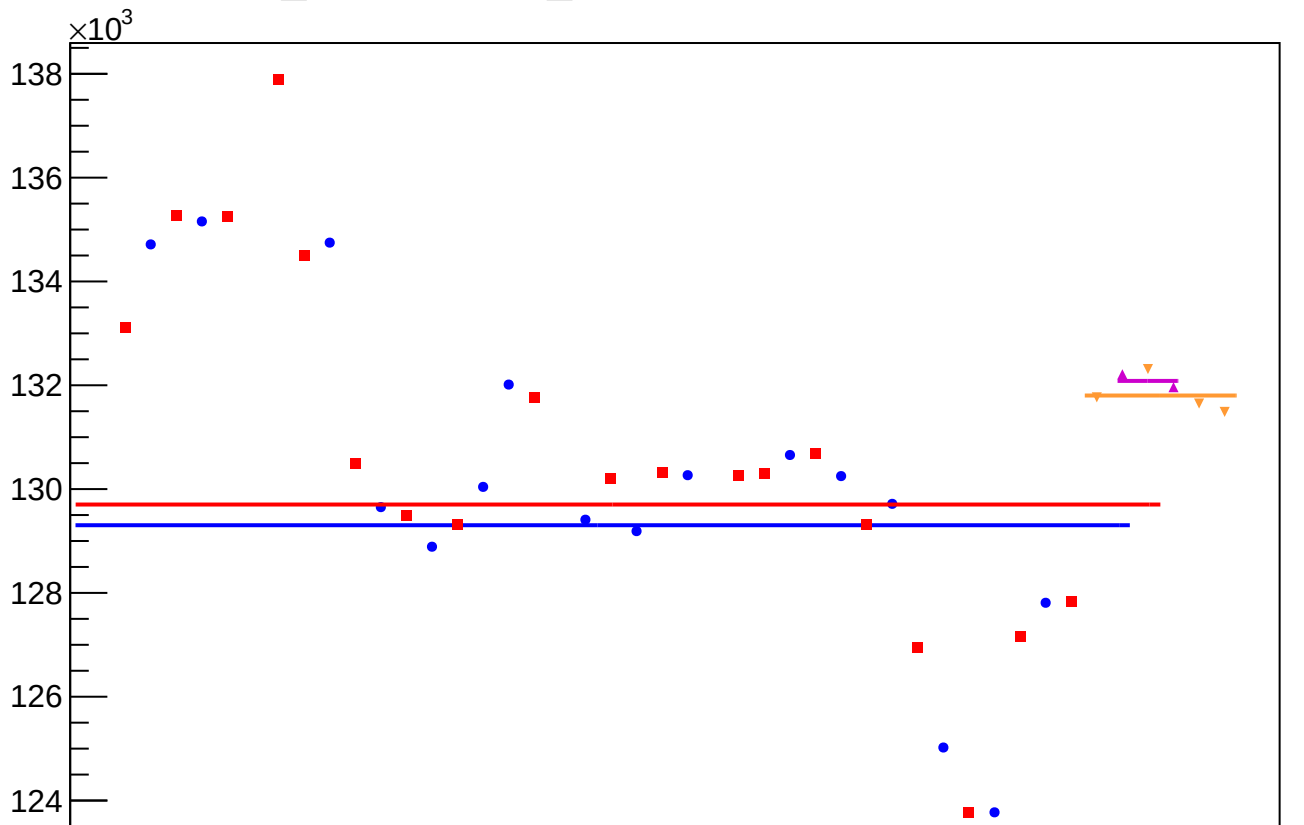
Left: 168.554+/-0.056 χ^2/NDF: 13240.9/5

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 174.027+/-0.044 χ^2/NDF:1188556.0/17

Out: 165.669+/-0.039 χ^2/NDF:1440790.4/22

All: 169.348+/-0.029 χ^2/NDF: 2649837.6/40



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131802.612+/-0.098 χ^2/NDF:10788180.3/3

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: 131903.944+/-0.078 χ^2/NDF: 14697563.5/5

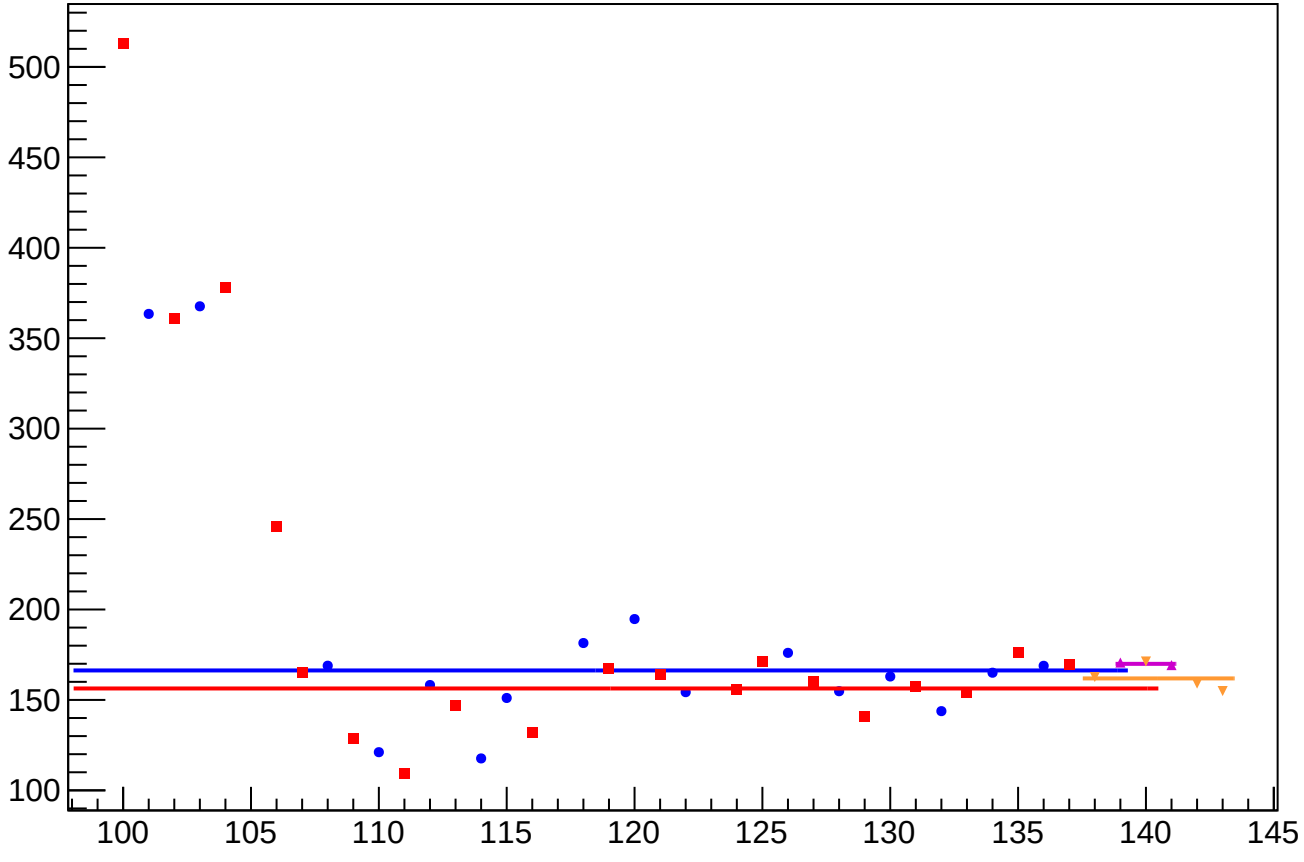
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 129875.837+/-0.059 χ^2/NDF:2013963634.7/17

Out: 130300.127+/-0.052 χ^2/NDF:2119839194.4/2

All: 130114.409+/-0.039 χ^2/NDF: 41628820

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 161.891+/-0.069 χ^2/NDF:8280.1/3

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 169.946+/-0.092 χ^2/NDF:58.7/1

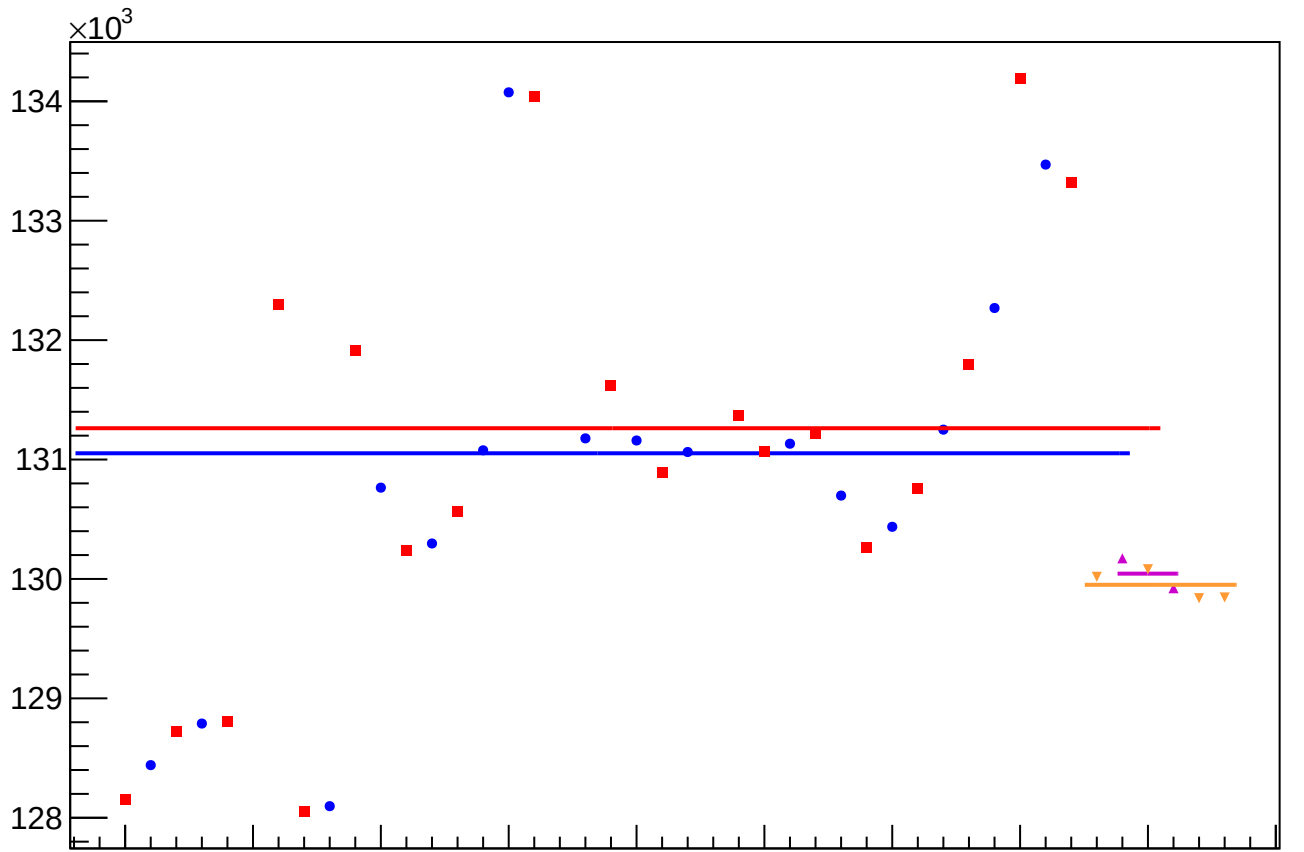
Left: 164.792+/-0.055 χ^2/NDF: 13246.5/5

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 167.052+/-0.042 χ^2/NDF:939253.0/17

Out: 157.915+/-0.037 χ^2/NDF:1185755.1/22

All: 161.915+/-0.028 χ^2/NDF: 2151977.4/40



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129950.989+/-0.093 χ^2/NDF:1268683.8/3

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: 129984.061+/-0.075 χ^2/NDF: 2608732.6/5

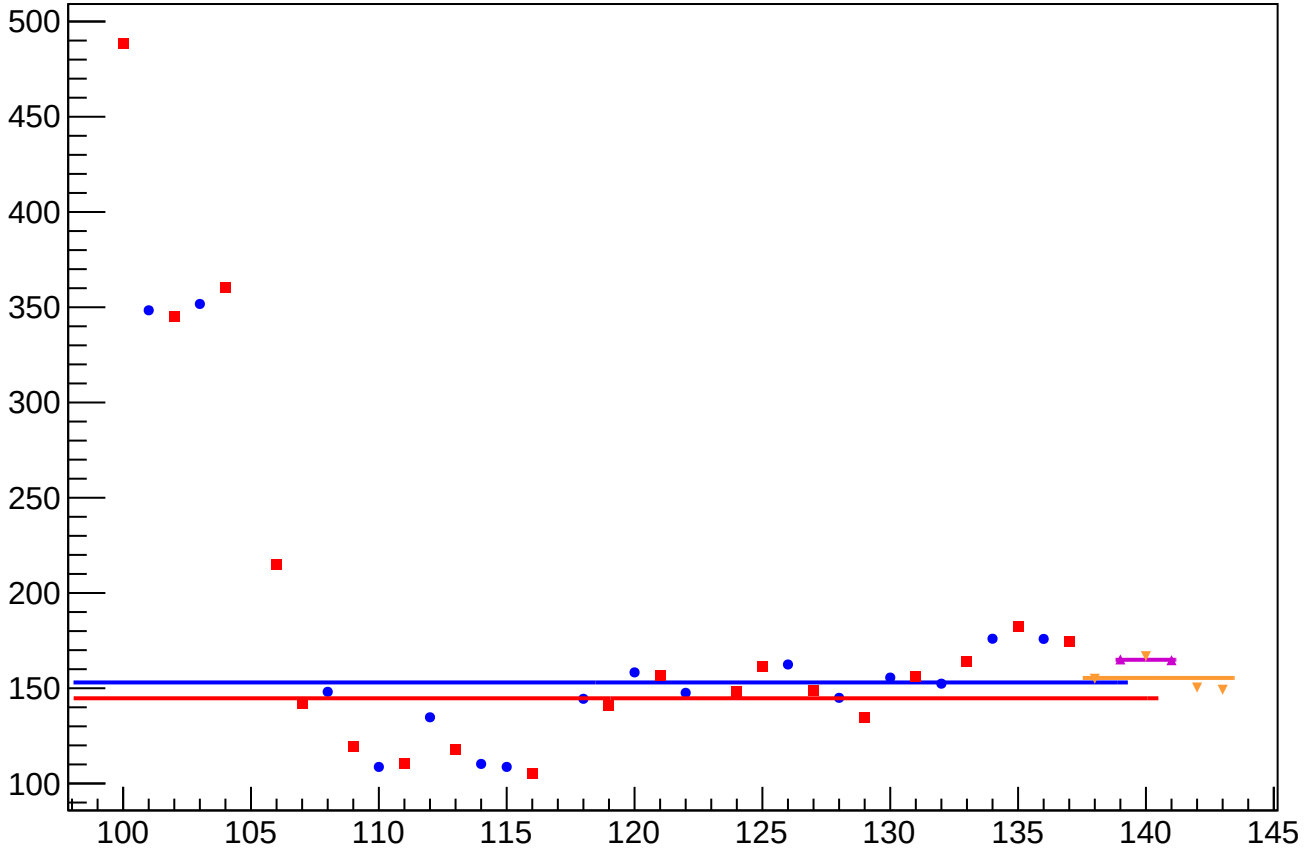
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130863.069+/-0.055 χ^2/NDF:576603333.9/17

Out: 130909.087+/-0.048 χ^2/NDF:749764866.2/22

All: 130888.841+/-0.036 χ^2/NDF: 132676531

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 155.407+/-0.066 χ^2/NDF:11209.6/3

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 164.937+/-0.089 χ^2/NDF:5.4/1

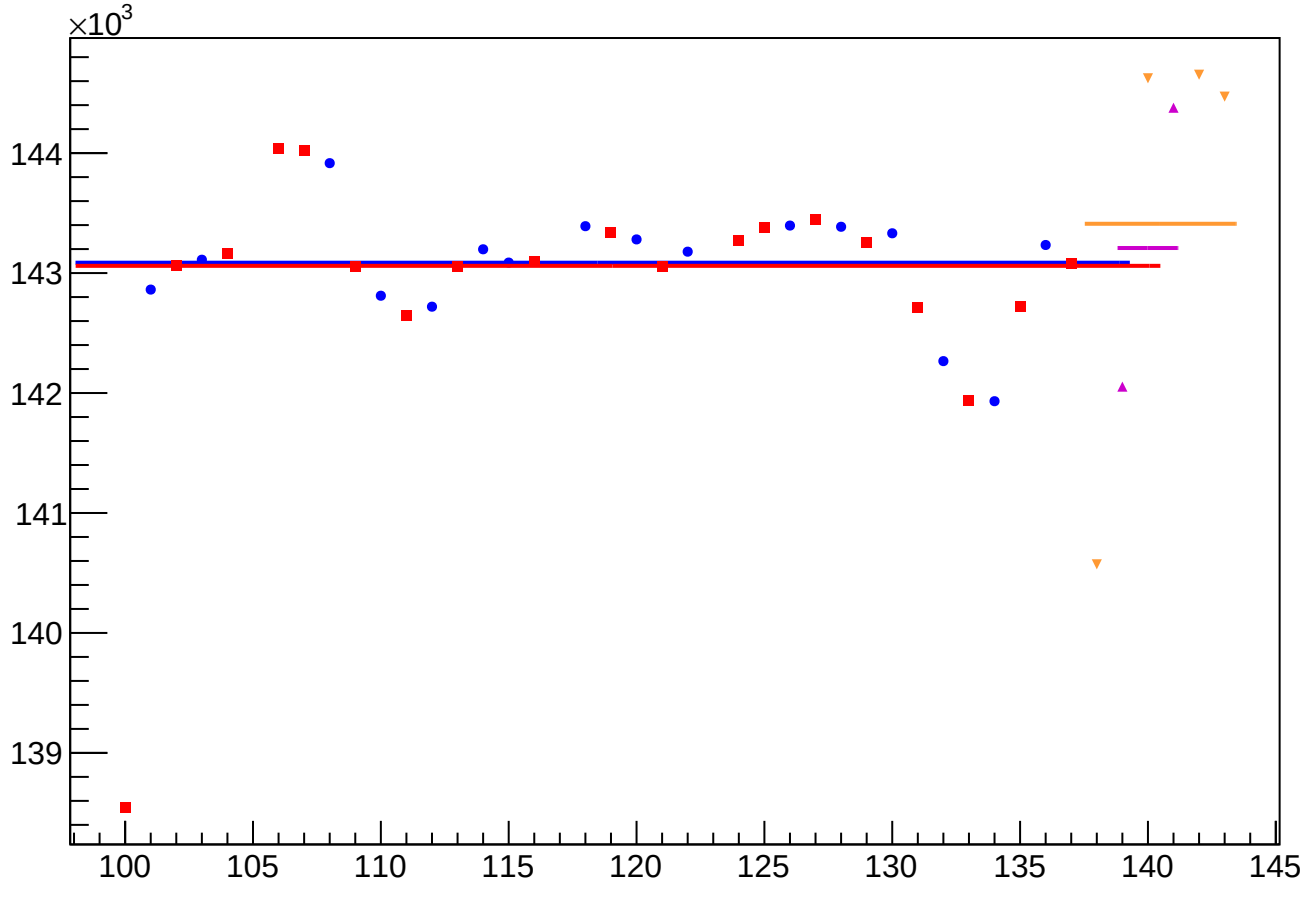
Left: 158.780+/-0.053 χ^2/NDF: 18596.5/5

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 155.277+/-0.039 χ^2/NDF:1073930.2/17

Out: 147.606+/-0.034 χ^2/NDF:1293754.1/22

All: 150.981+/-0.026 χ^2/NDF: 2389754.2/40



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143410.933+/-0.112 χ^2/NDF:263584213.1/3

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: 143336.793+/-0.089 χ^2/NDF: 327697330.9/5

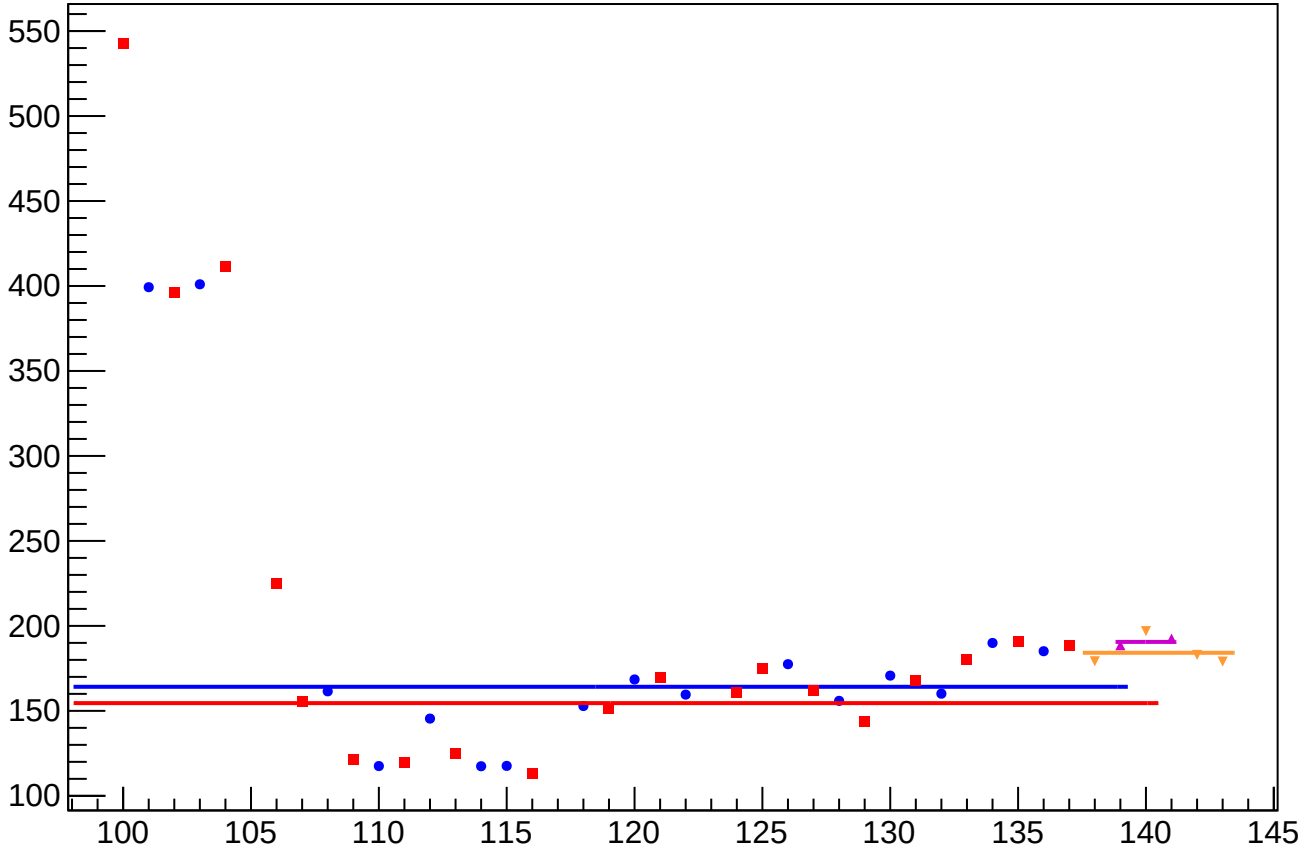
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143106.636+/-0.059 χ^2/NDF:110218761.0/17

Out: 143140.250+/-0.053 χ^2/NDF:322923343.4/22

All: 143125.283+/-0.040 χ^2/NDF: 43331925

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 184.173+/-0.079 χ^2/NDF:9089.3/3

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 190.575+/-0.104 χ^2/NDF:360.2/1

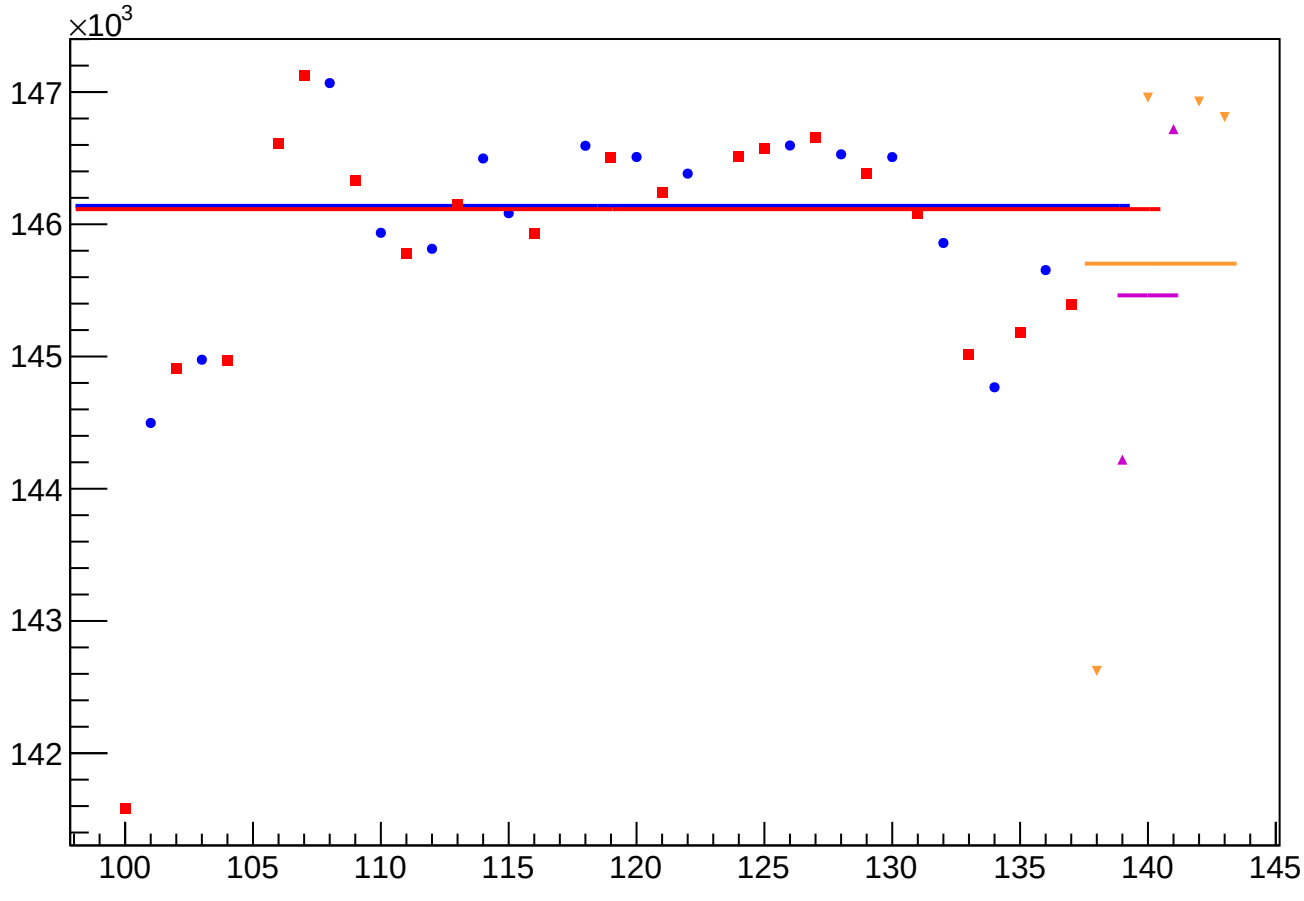
Left: 186.523+/-0.063 χ^2/NDF: 11865.3/5

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 168.516+/-0.042 χ^2/NDF:1184361.5/17

Out: 161.313+/-0.038 χ^2/NDF:1484670.7/22

All: 164.520+/-0.028 χ^2/NDF: 2685303.2/40



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145702.202+/-0.109 χ^2/NDF:306209020.3/3

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: 145616.355+/-0.088 χ^2/NDF: 380898358.8/5

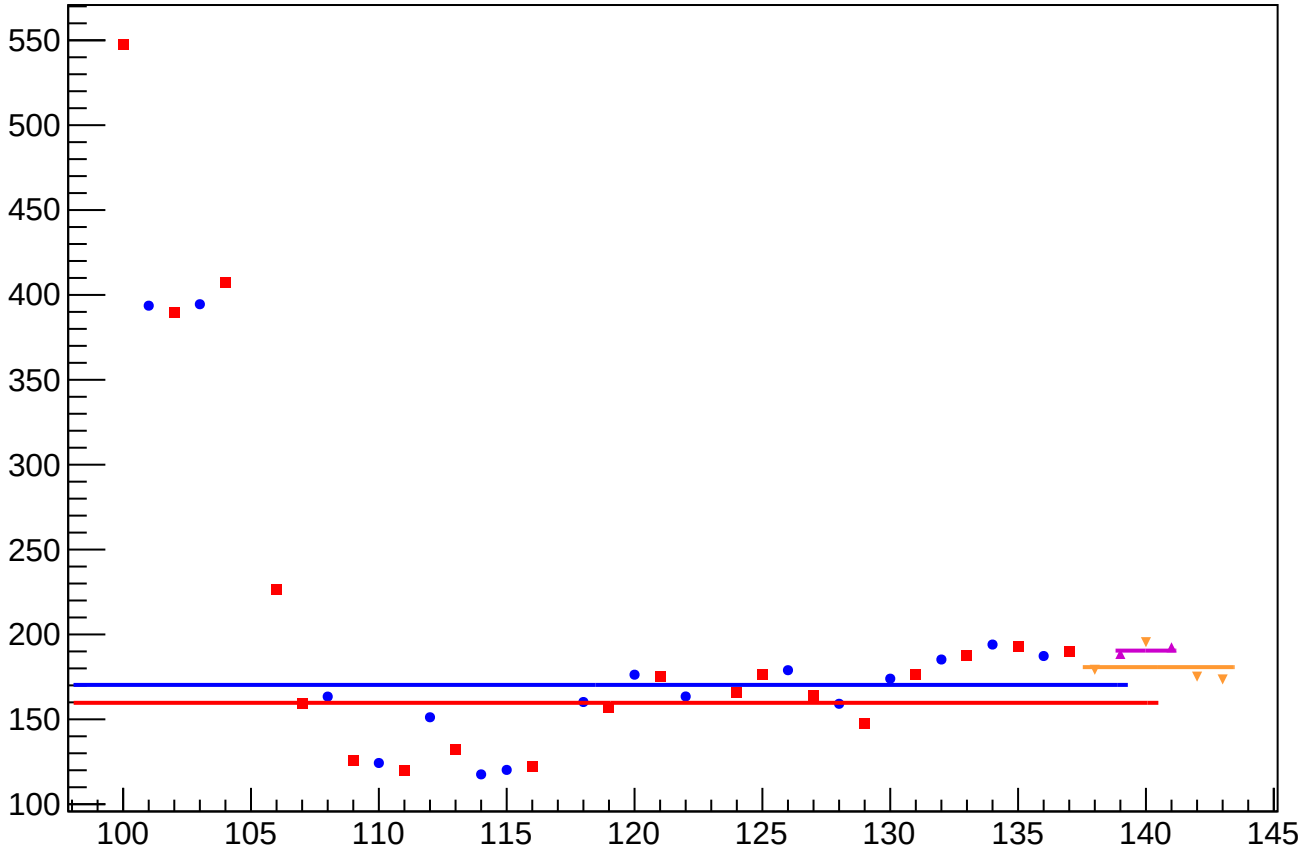
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146020.758+/-0.061 χ^2/NDF:162343325.1/17

Out: 146012.844+/-0.054 χ^2/NDF:390042203.9/22

All: 146016.324+/-0.041 χ^2/NDF: 55239489

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 180.749+/-0.077 χ^2/NDF:12634.9/3

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 190.474+/-0.103 χ^2/NDF:357.6/1

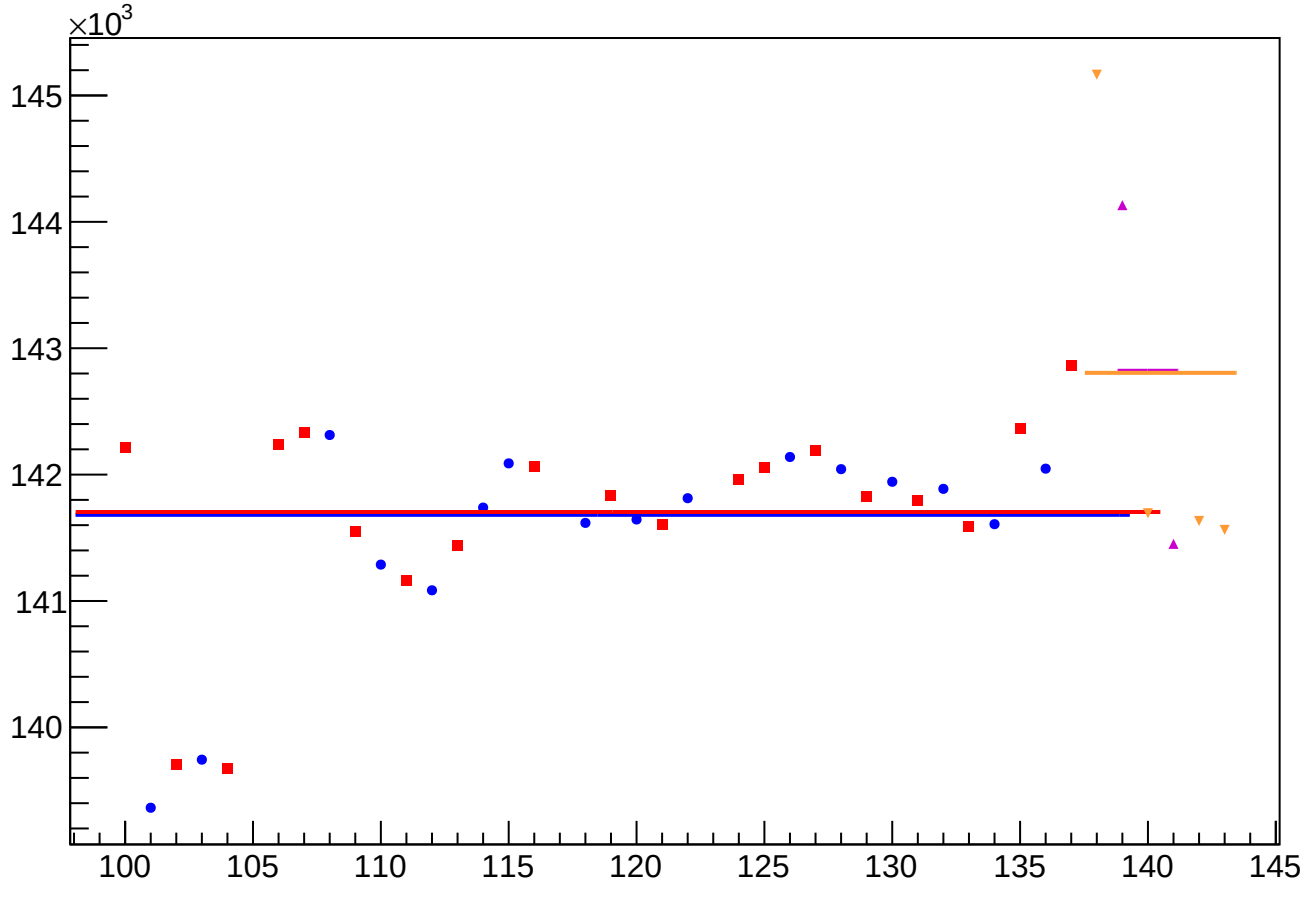
Left: 184.230+/-0.062 χ^2/NDF: 18667.0/5

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 173.814+/-0.043 χ^2/NDF:1089428.1/17

Out: 164.906+/-0.038 χ^2/NDF:1359746.6/22

All: 168.824+/-0.029 χ^2/NDF: 2472901.8/40



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142805.180+/-0.123 χ^2/NDF:182720595.3/3

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: 142811.323+/-0.097 χ^2/NDF: 253808823.1/5

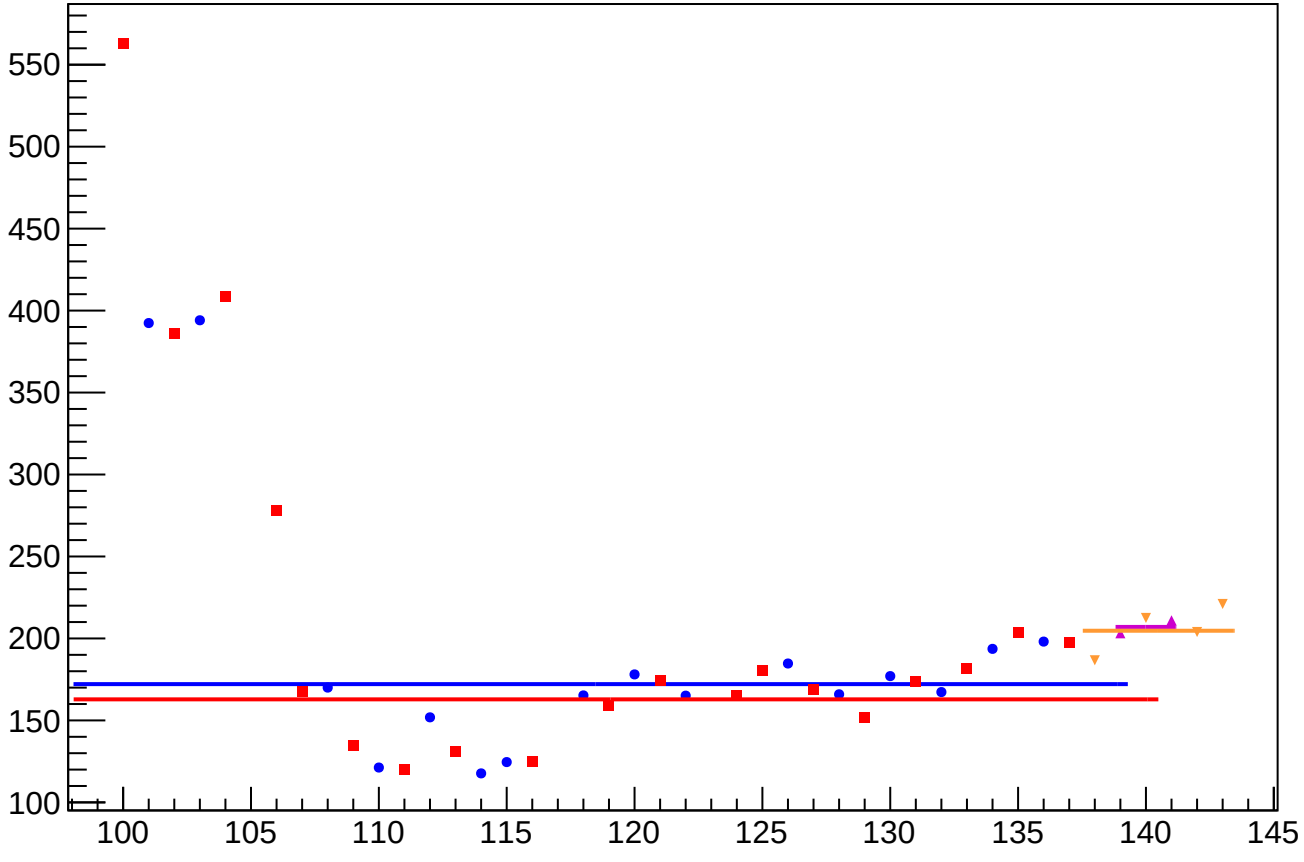
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141859.438+/-0.063 χ^2/NDF:178801411.2/17

Out: 141937.099+/-0.057 χ^2/NDF:311259958.9/22

All: 141902.214+/-0.042 χ^2/NDF: 49090568

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 204.703+/-0.087 χ^2/NDF:25079.1/3

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 207.029+/-0.112 χ^2/NDF:1243.8/1

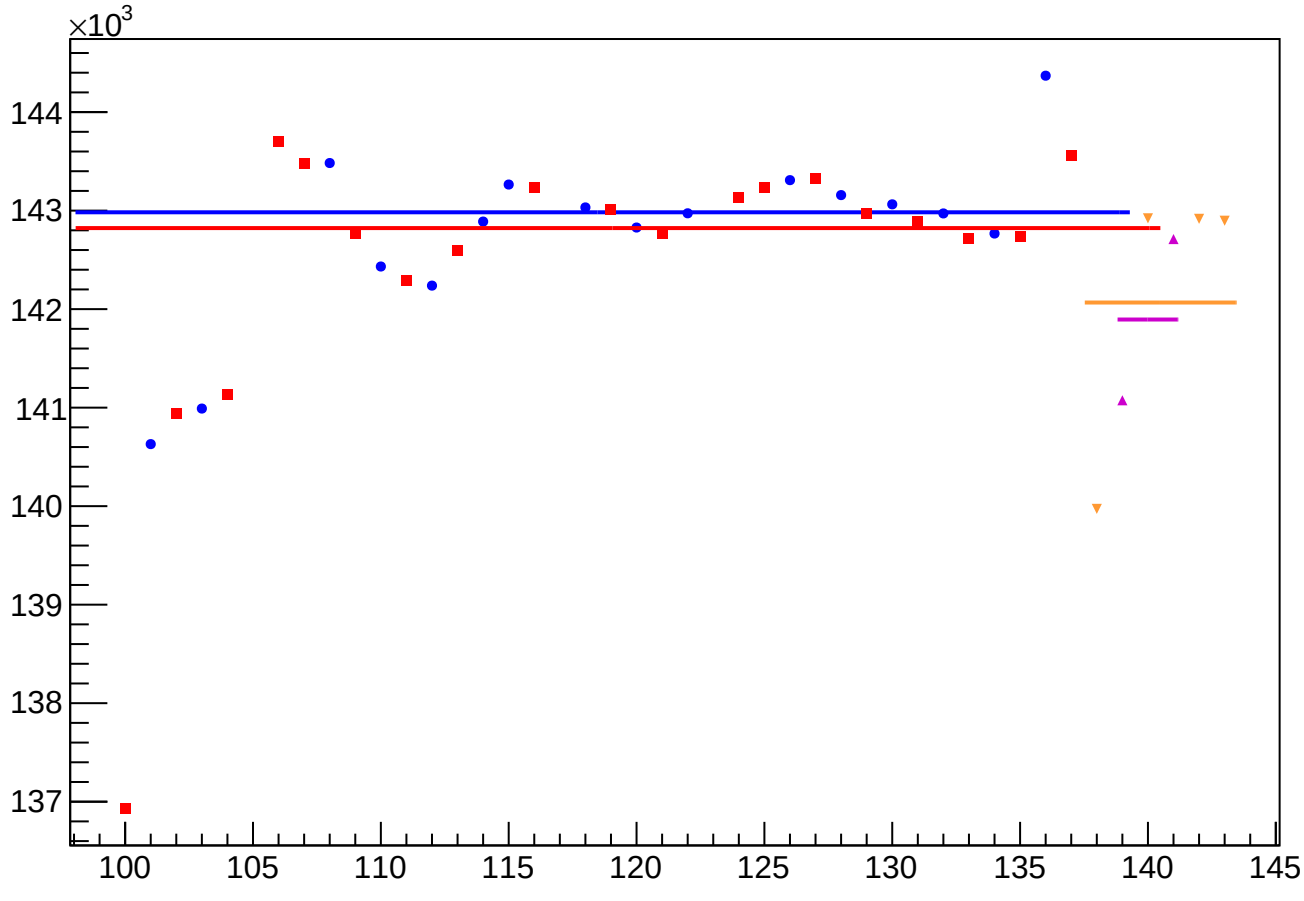
Left: 205.576+/-0.069 χ^2/NDF: 26590.7/5

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 177.576+/-0.044 χ^2/NDF:1151228.5/17

Out: 171.700+/-0.040 χ^2/NDF:1513090.1/22

All: 174.339+/-0.030 χ^2/NDF: 2673985.5/40



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142067.080+/-0.106 χ^2/NDF:157419013.0/3

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: 142004.907+/-0.085 χ^2/NDF: 191983596.7/5

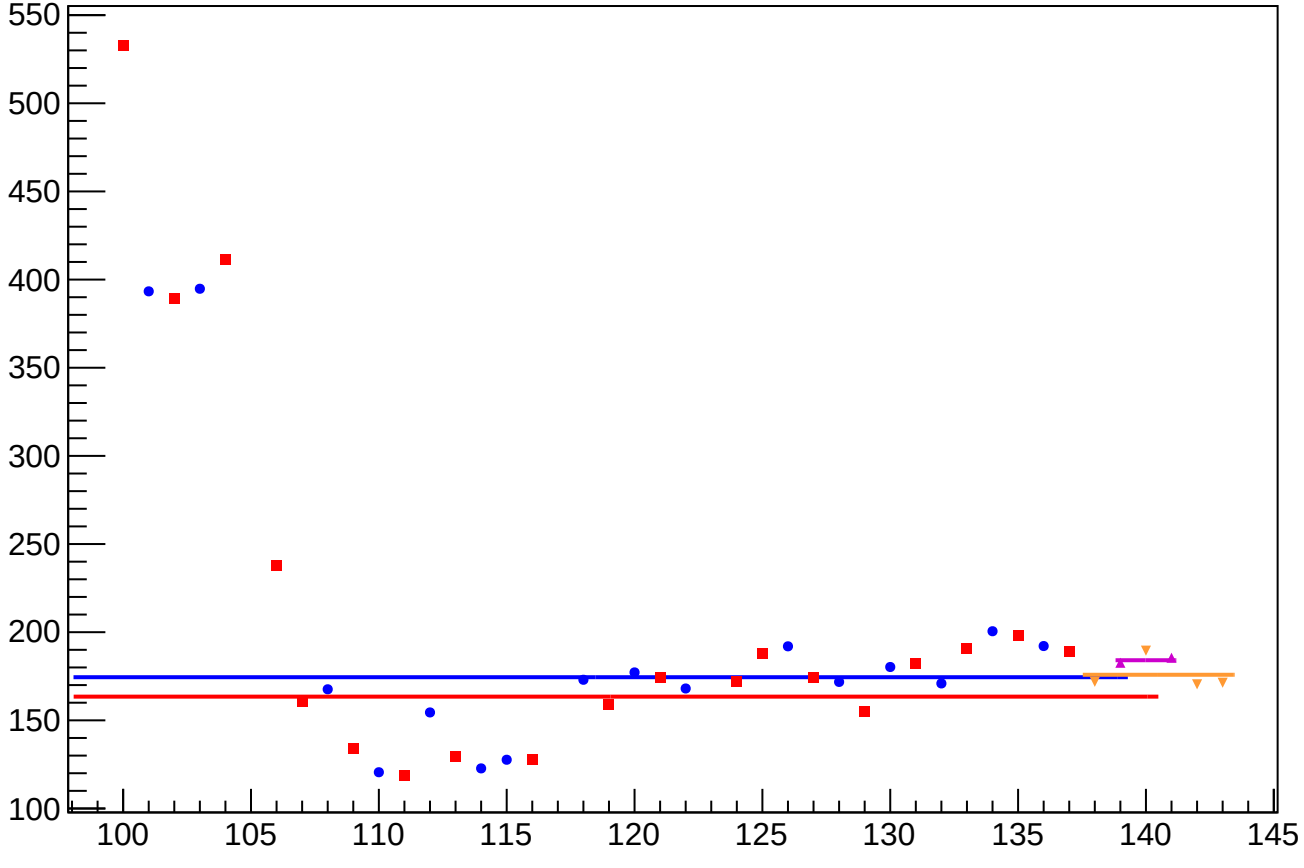
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142772.517+/-0.062 χ^2/NDF:189273915.8/17

Out: 142620.516+/-0.055 χ^2/NDF:258267478.3/22

All: 142687.097+/-0.041 χ^2/NDF: 450911534

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 175.850+/-0.075 χ^2/NDF:11045.9/3

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 184.098+/-0.100 χ^2/NDF:203.6/1

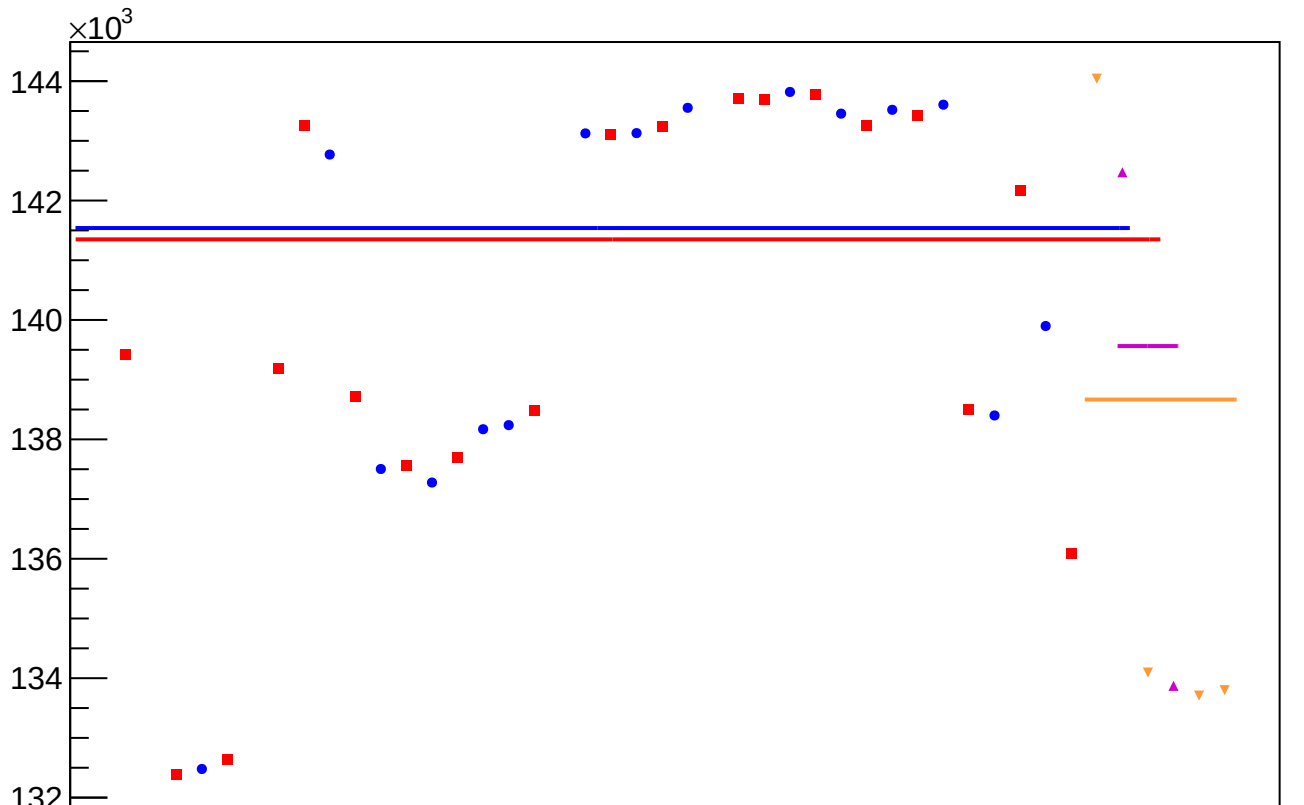
Left: 178.822+/-0.060 χ^2/NDF: 15618.8/5

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 176.329+/-0.044 χ^2/NDF:1056841.7/17

Out: 166.767+/-0.039 χ^2/NDF:1313615.1/22

All: 170.956+/-0.029 χ^2/NDF: 2397134.1/40



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138666.920+/-0.166 χ^2/NDF:931981699.0/3

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: 139024.648+/-0.129 χ^2/NDF: 1343106831.1/5

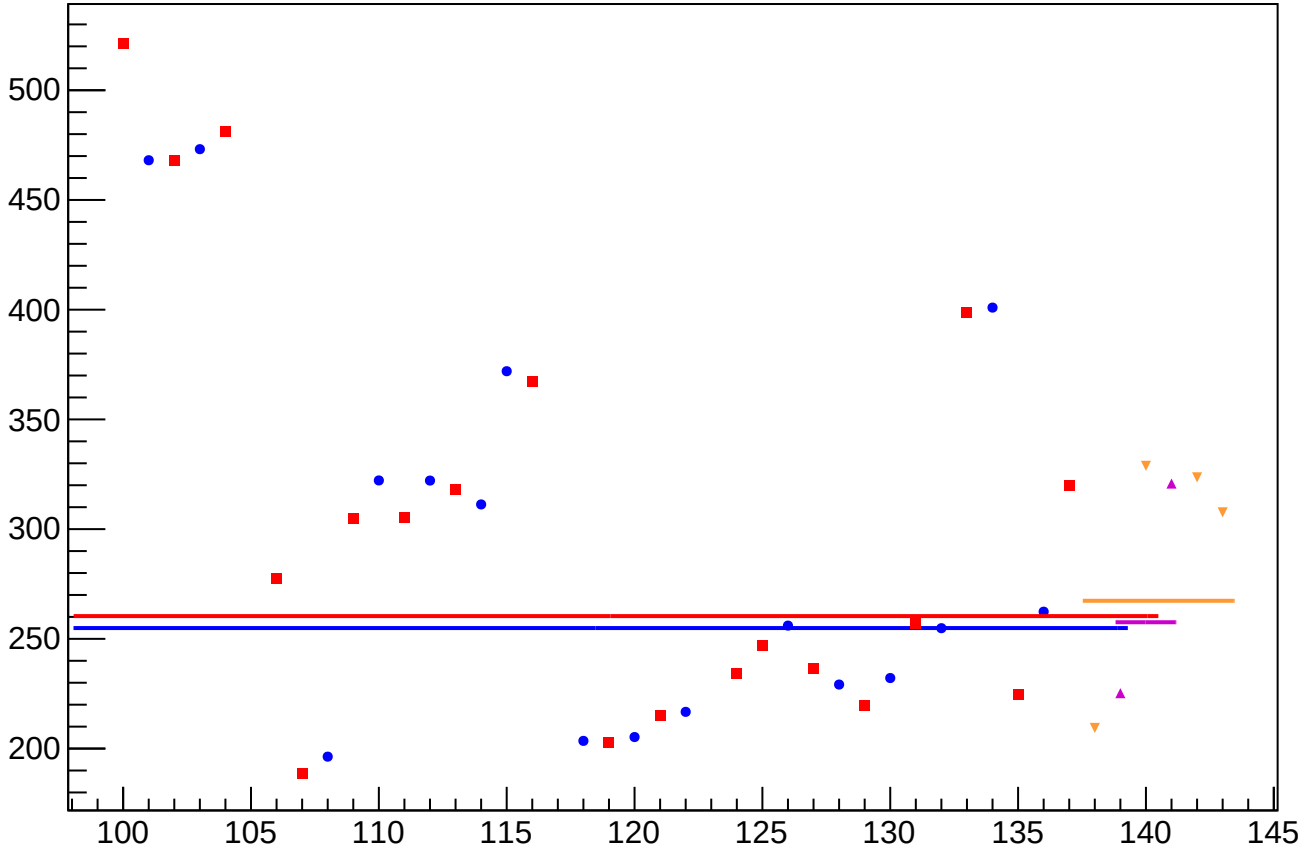
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 141150.360+/-0.090 χ^2/NDF:1422917845.3/17

Out: 140624.200+/-0.086 χ^2/NDF:2049170046.9/2

All: 140875.297+/-0.062 χ^2/NDF: 34898193

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 267.349+/-0.117 χ^2/NDF:220153.4/3

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 257.566+/-0.144 χ^2/NDF:98542.5/1

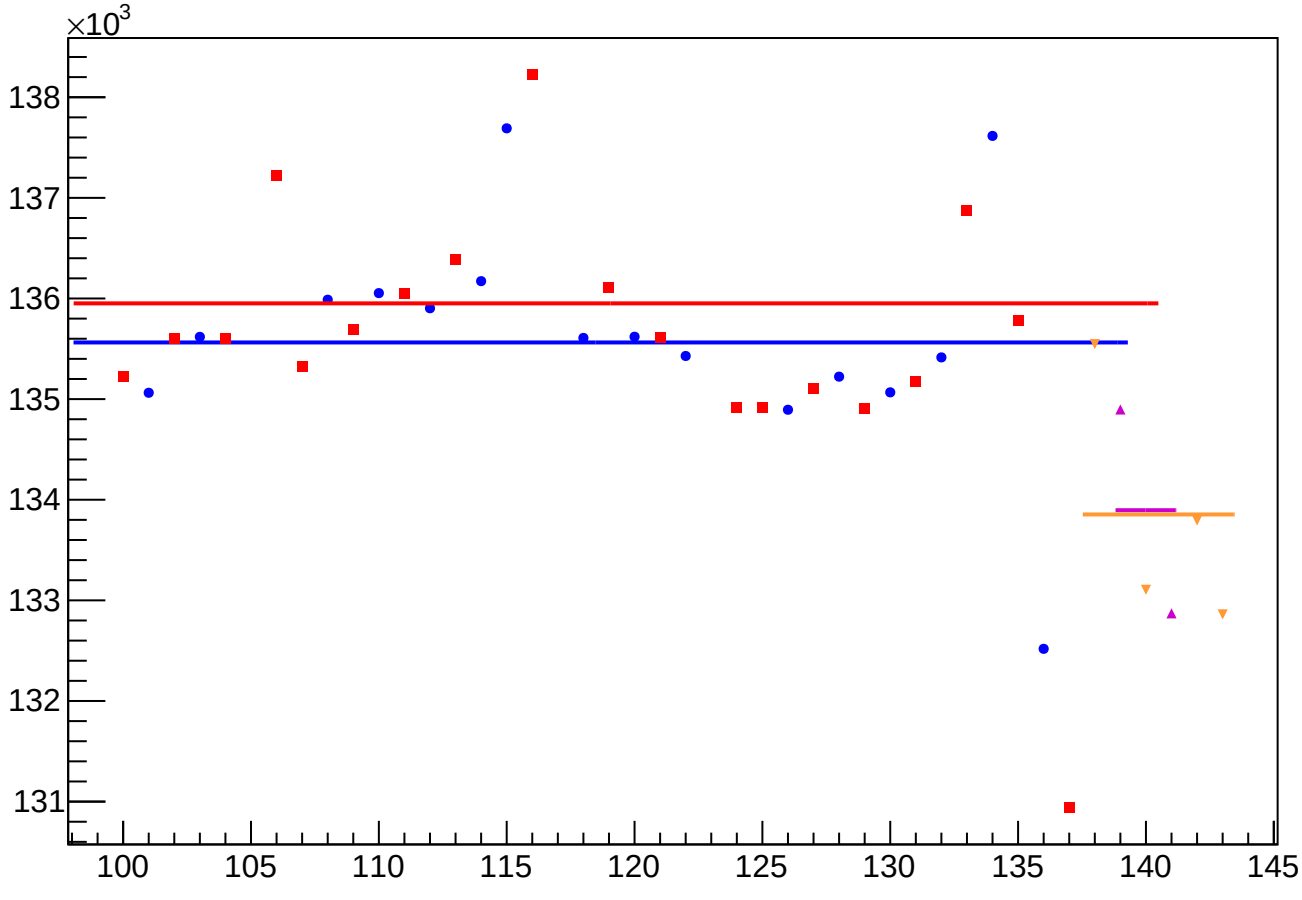
Left: 263.443+/-0.091 χ^2/NDF: 321469.1/5

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 255.440+/-0.064 χ^2/NDF:1048766.1/17

Out: 262.256+/-0.061 χ^2/NDF:1216034.4/22

All: 259.003+/-0.044 χ^2/NDF: 2270751.2/40



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133853.592+/-0.114 χ^2/NDF:97375396.8/3

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: 133869.155+/-0.091 χ^2/NDF: 143531711.6/5

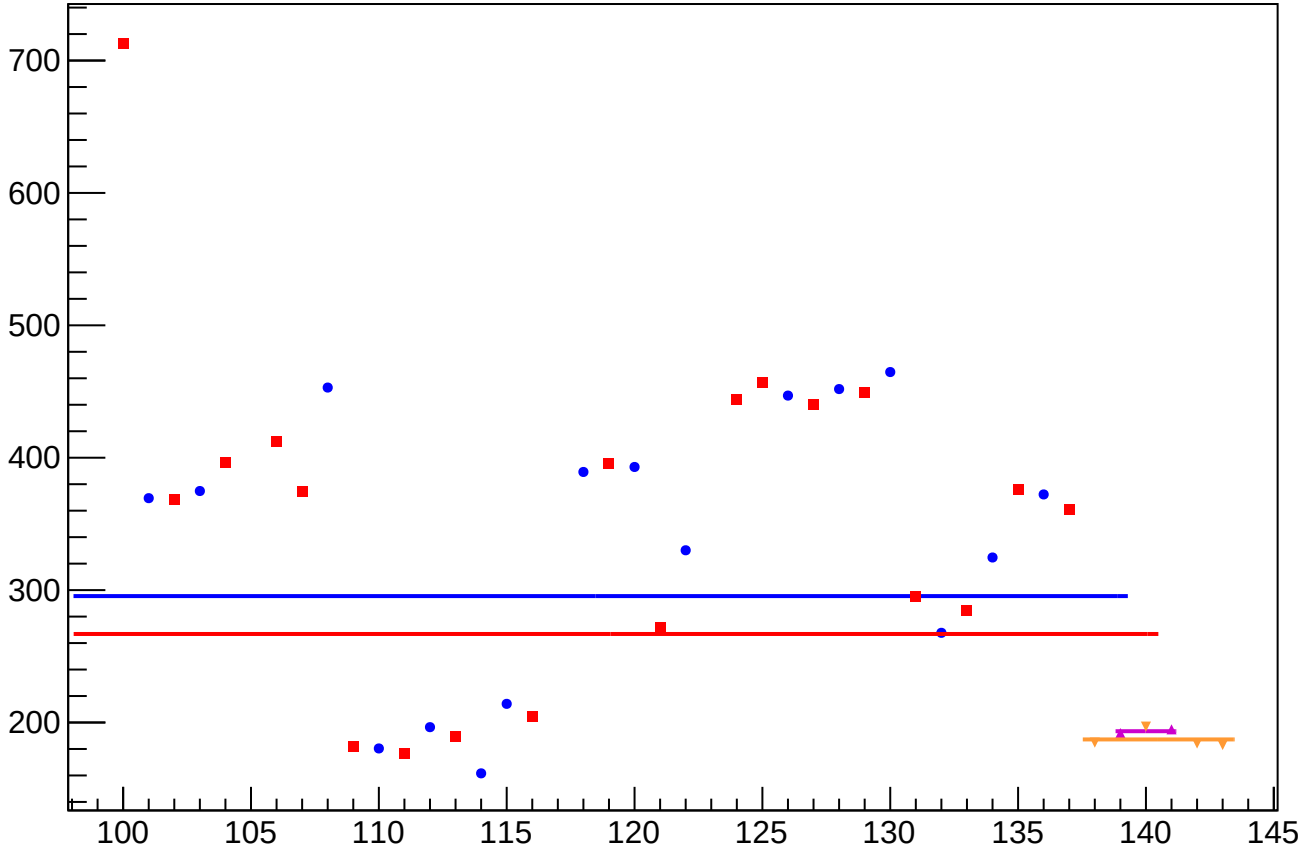
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134919.024+/-0.093 χ^2/NDF:216929871.4/17

Out: 134974.554+/-0.078 χ^2/NDF:370145540.7/22

All: 134951.630+/-0.060 χ^2/NDF: 58728603

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 187.210+/-0.081 χ^2/NDF:4975.3/3

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 193.422+/-0.105 χ^2/NDF:178.0/1

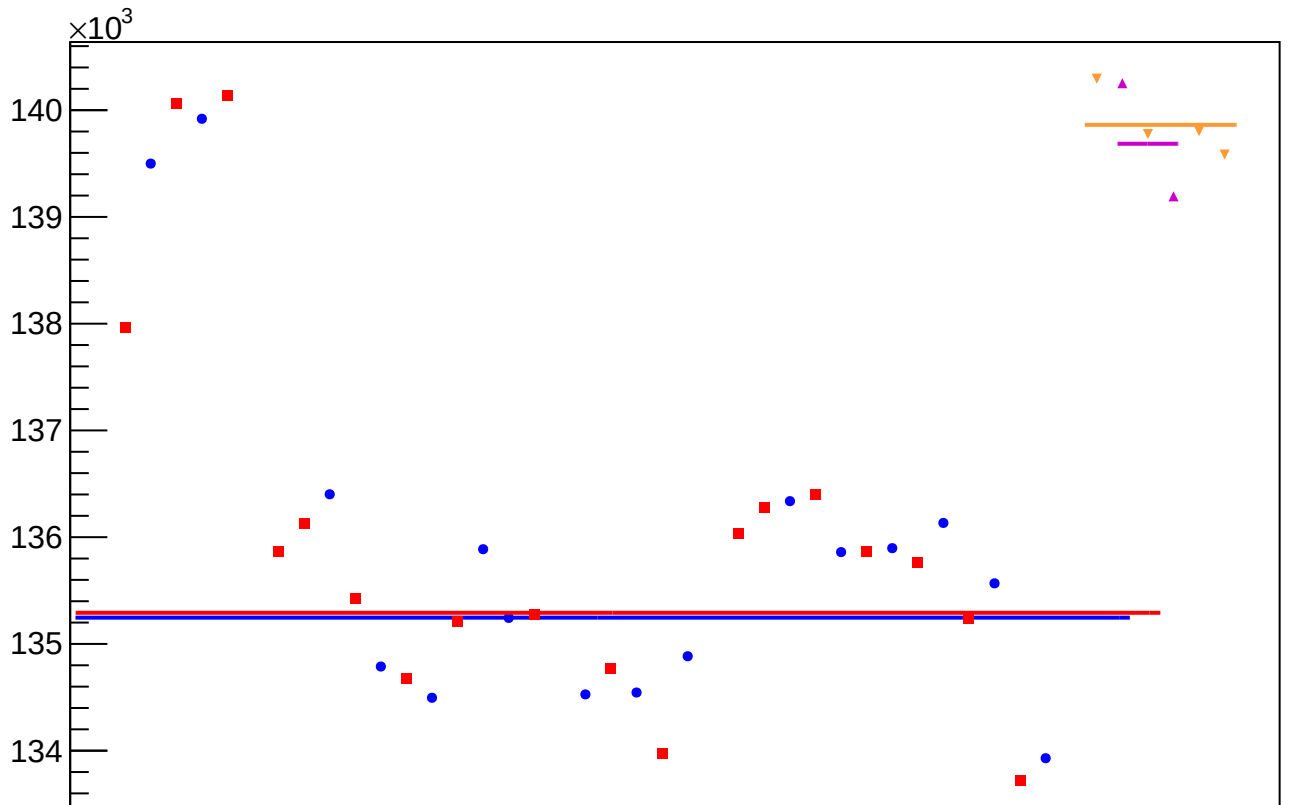
Left: 189.498+/-0.064 χ^2/NDF: 7343.8/5

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 256.057+/-0.066 χ^2/NDF:2017206.5/17

Out: 229.771+/-0.055 χ^2/NDF:2205467.0/22

All: 240.622+/-0.042 χ^2/NDF: 4317057.8/40



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139862.434+/-0.105 χ^2/NDF:6999882.4/3

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: 139798.346+/-0.084 χ^2/NDF: 22379098.7/5

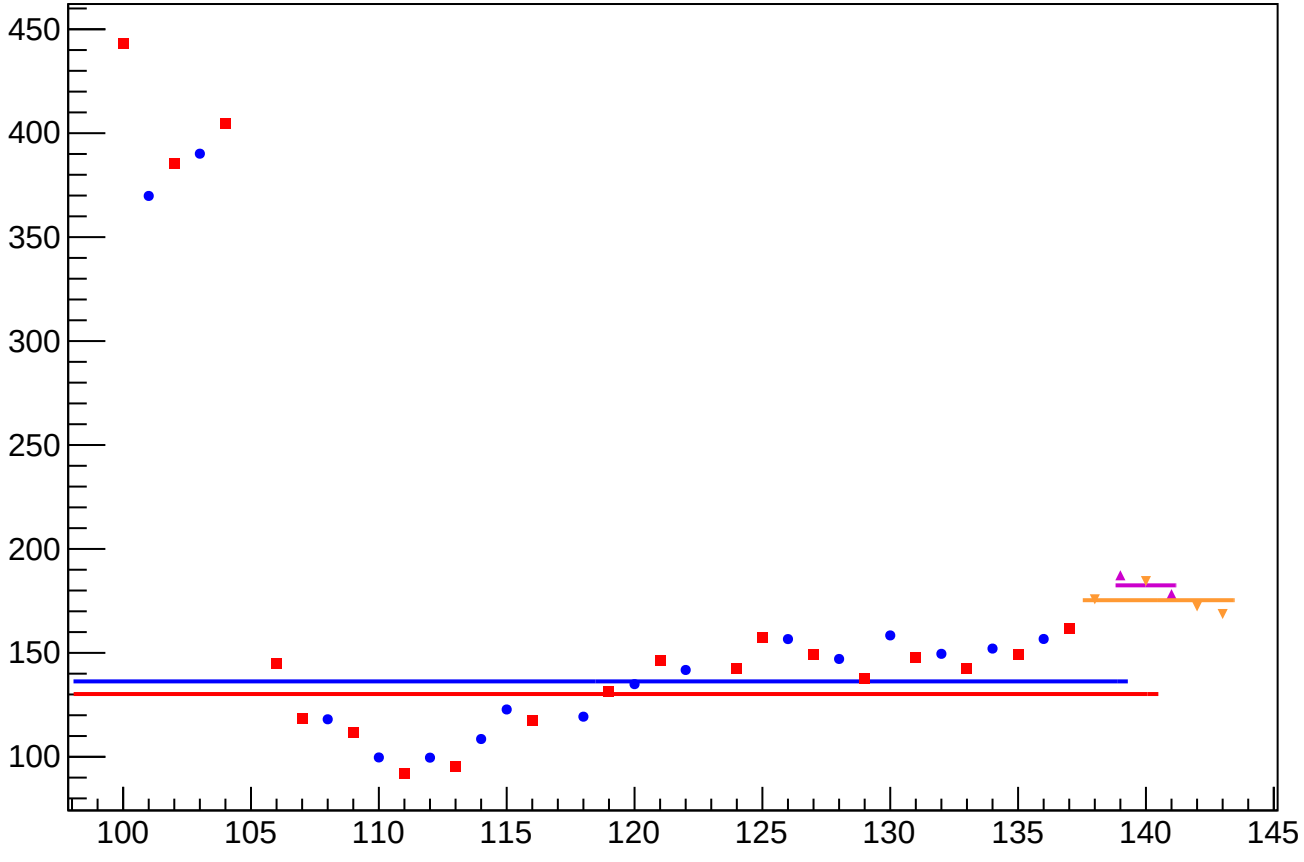
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 135838.285+/-0.051 χ^2/NDF:1280365061.6/17

Out: 136184.005+/-0.046 χ^2/NDF:1911411024.2/2

All: 136027.149+/-0.034 χ^2/NDF: 32169364

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 175.342+/-0.074 χ^2/NDF:6745.0/3

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 182.487+/-0.099 χ^2/NDF:2093.2/1

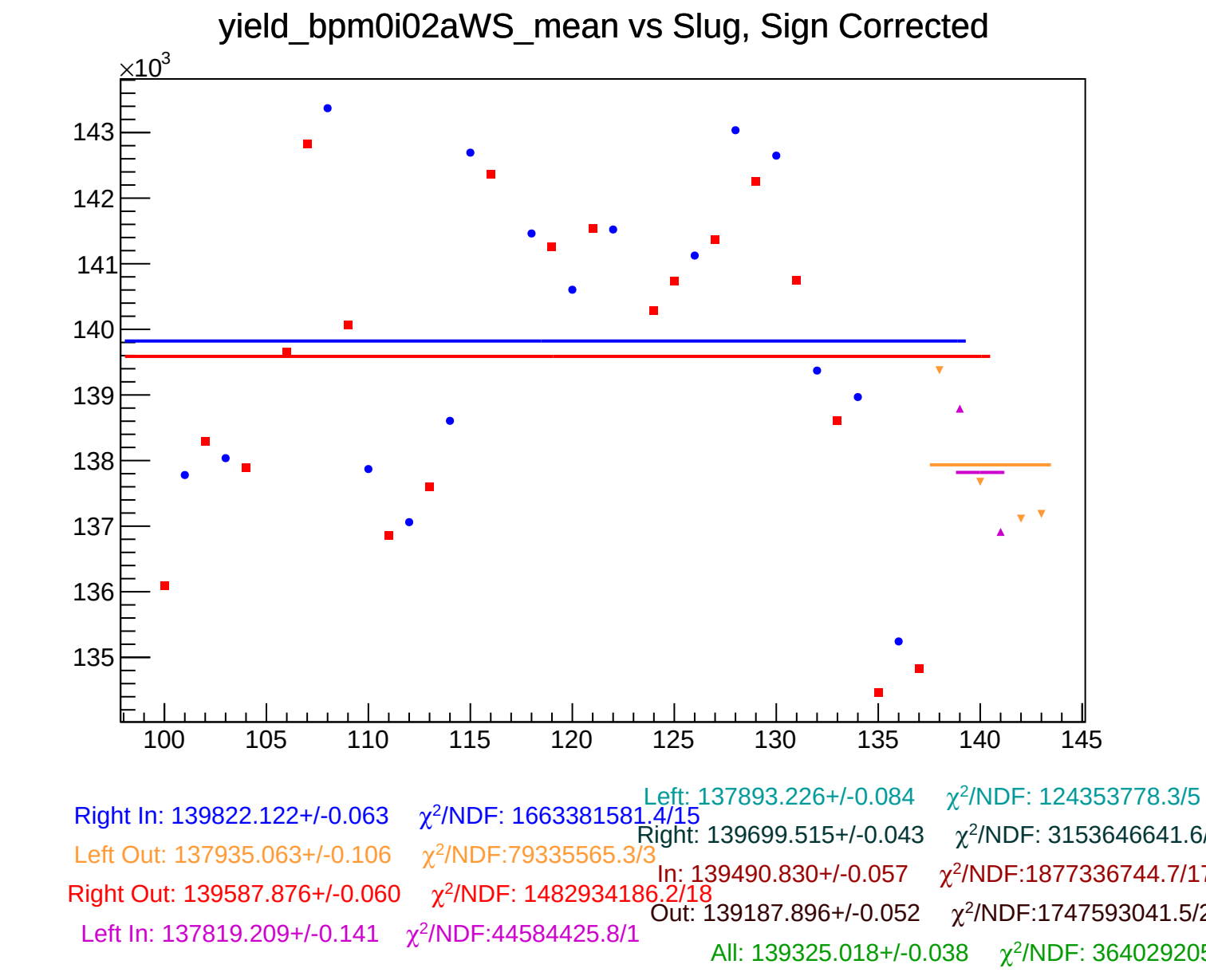
Left: 177.929+/-0.059 χ^2/NDF: 12186.4/5

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

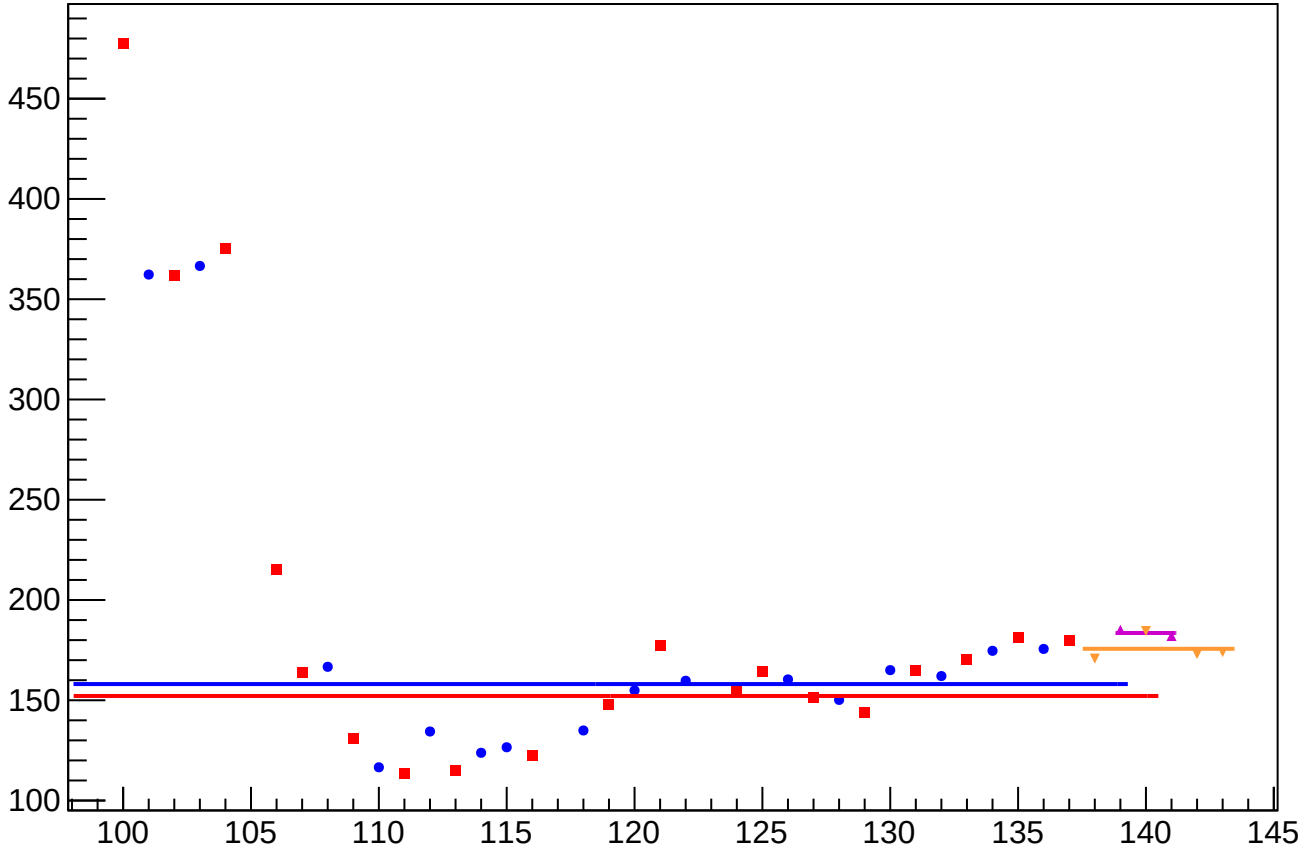
In: 142.447+/-0.036 χ^2/NDF:1576291.2/17

Out: 139.016+/-0.033 χ^2/NDF:1824562.9/22

All: 140.573+/-0.024 χ^2/NDF: 3405808.9/40


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
145
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137935.063+/-0.106 χ²/NDF:79335565.3/3
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 137819.209+/-0.141 χ²/NDF:44584425.8/1
Left: 137893.226+/-0.084 χ²/NDF: 124353778.3/5
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 139490.830+/-0.057 χ²/NDF:1877336744.7/17
Out: 139187.896+/-0.052 χ²/NDF:1747593041.5/2
All: 139325.018+/-0.038 χ²/NDF: 364029205

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 175.671+/-0.075 χ^2/NDF:5282.5/3

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 183.554+/-0.099 χ^2/NDF:241.5/1

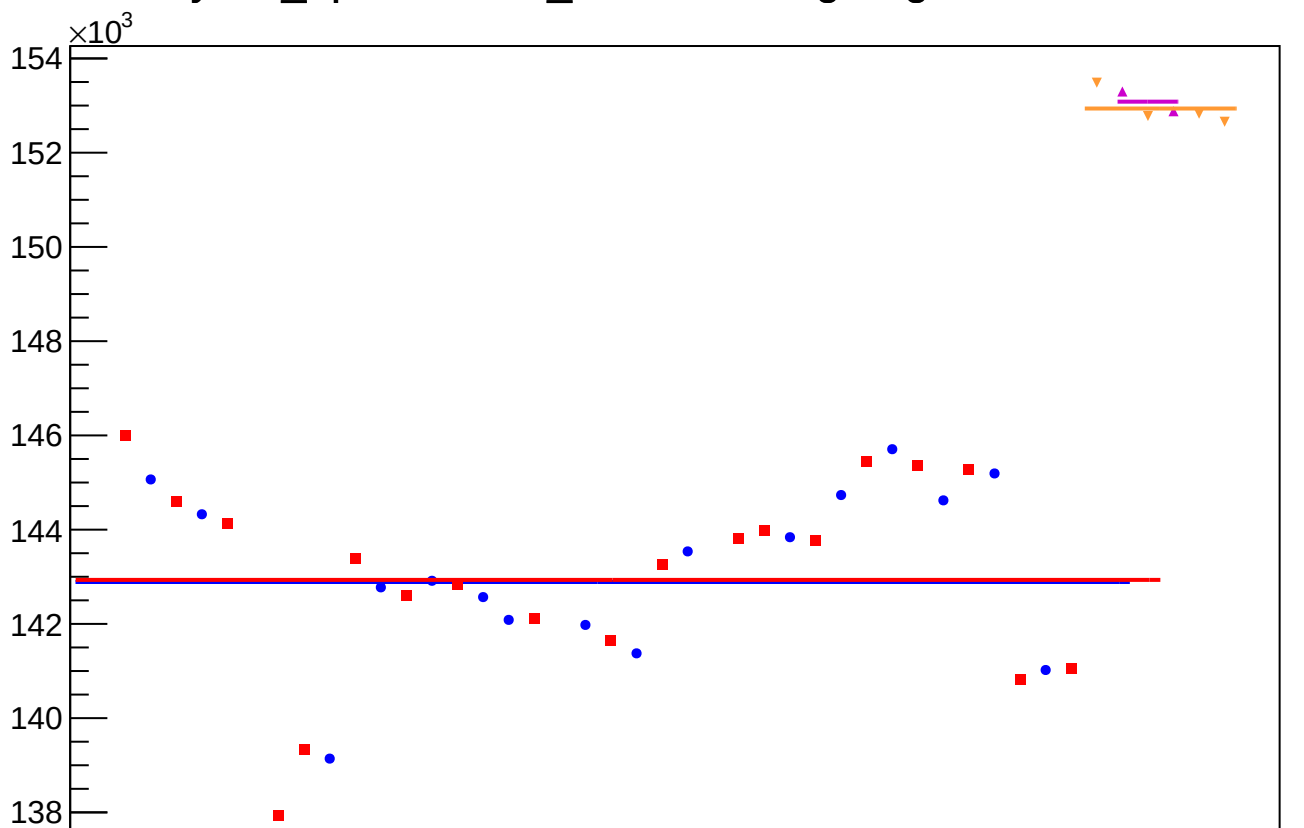
Left: 178.517+/-0.060 χ^2/NDF: 9541.0/5

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 162.293+/-0.040 χ^2/NDF:1072967.9/17

Out: 157.834+/-0.037 χ^2/NDF:1309467.1/22

All: 159.852+/-0.027 χ^2/NDF: 2389092.9/40



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 152937.414+/-0.109 χ^2/NDF:9490994.0/3

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: 152989.766+/-0.087 χ^2/NDF: 12190473.4/5

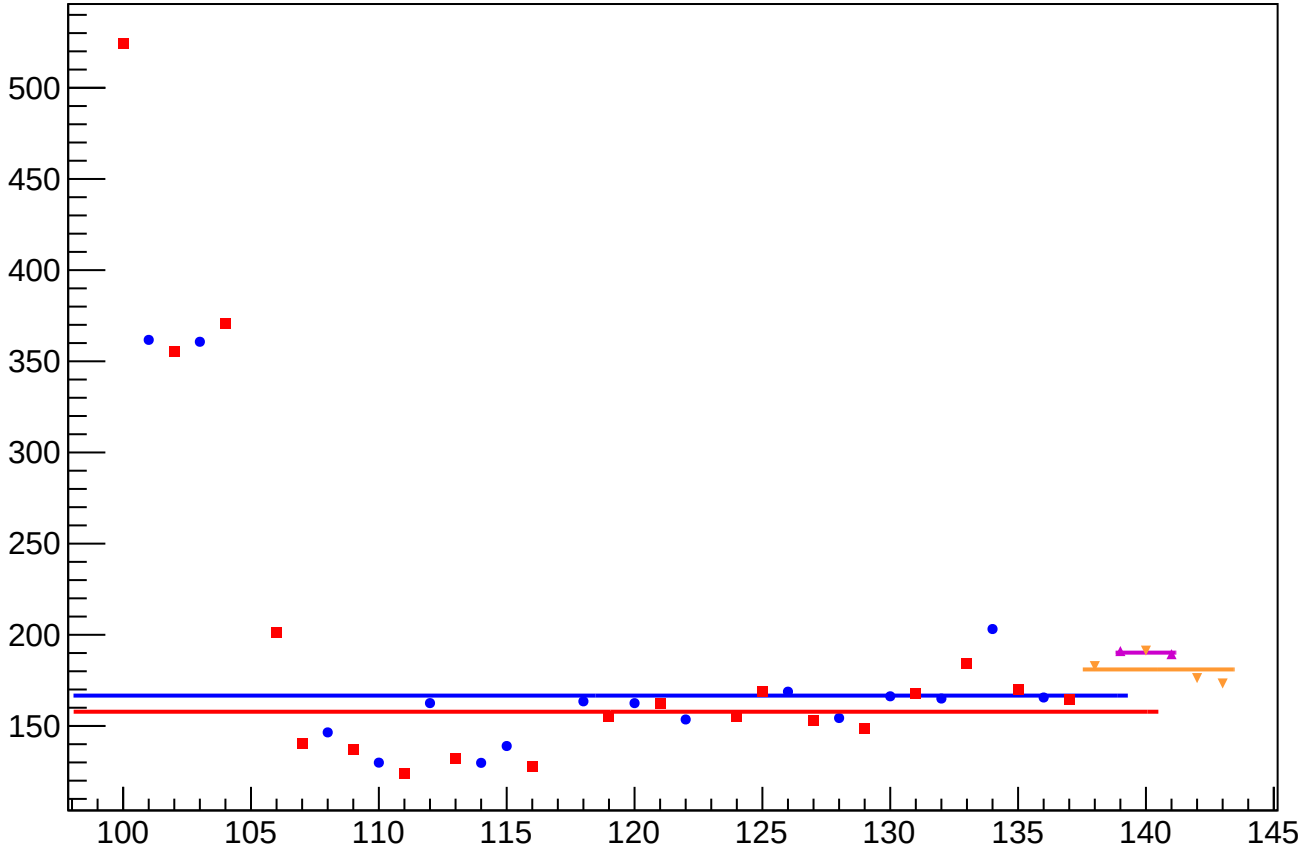
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144608.485+/-0.060 χ^2/NDF:4826946462.0/17

Out: 145340.067+/-0.054 χ^2/NDF:7153280922.0/2

All: 145014.515+/-0.040 χ^2/NDF: 12063041

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 180.998+/-0.077 χ^2/NDF:8459.9/3

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 190.217+/-0.103 χ^2/NDF:67.8/1

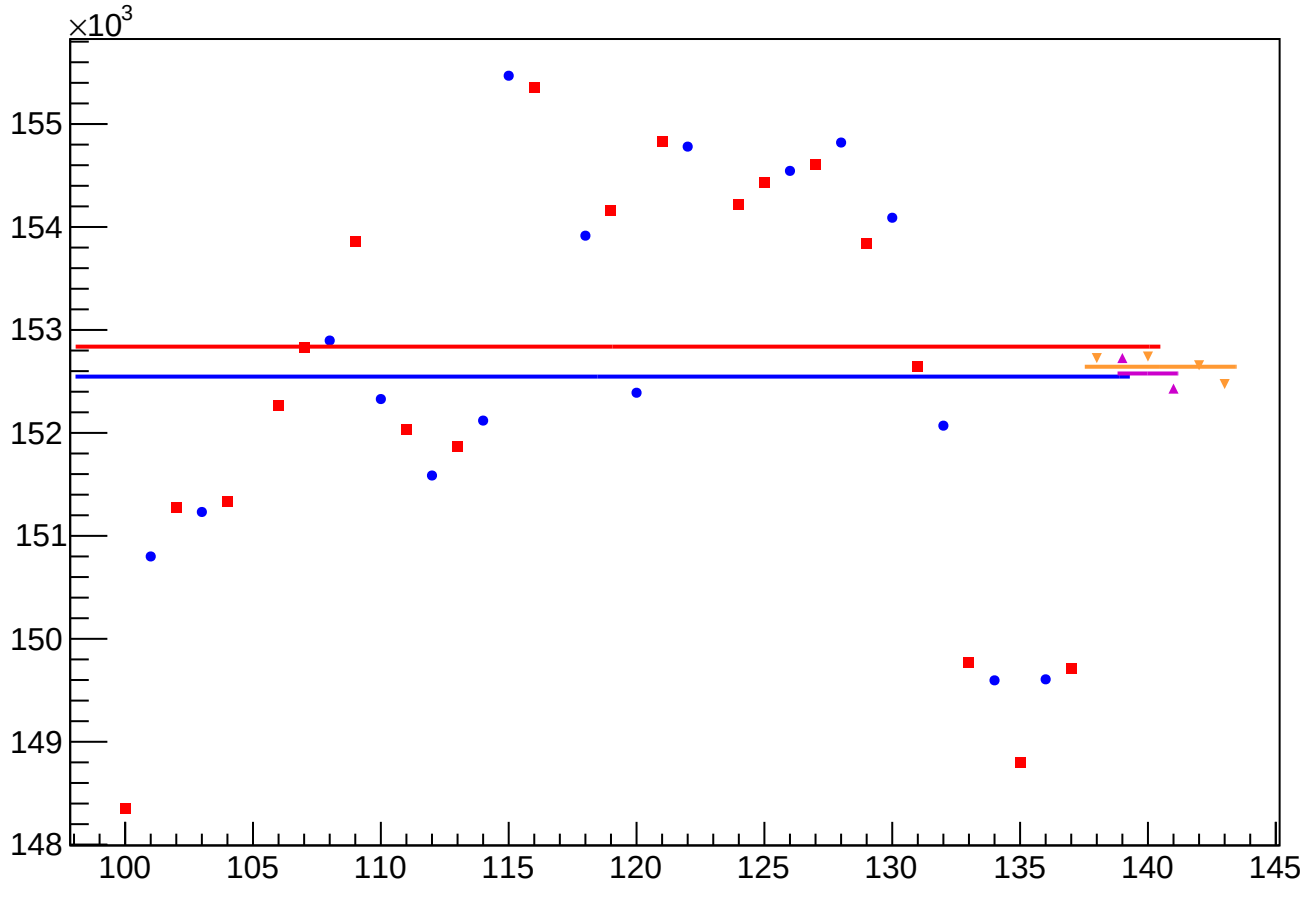
Left: 184.316+/-0.062 χ^2/NDF: 13644.1/5

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 170.630+/-0.042 χ^2/NDF:907039.9/17

Out: 163.387+/-0.038 χ^2/NDF:1099104.1/22

All: 166.610+/-0.028 χ^2/NDF: 2022379.6/40



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152642.697+/-0.107 χ^2/NDF:1135075.2/3

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: 152619.819+/-0.086 χ^2/NDF: 2294189.7/5

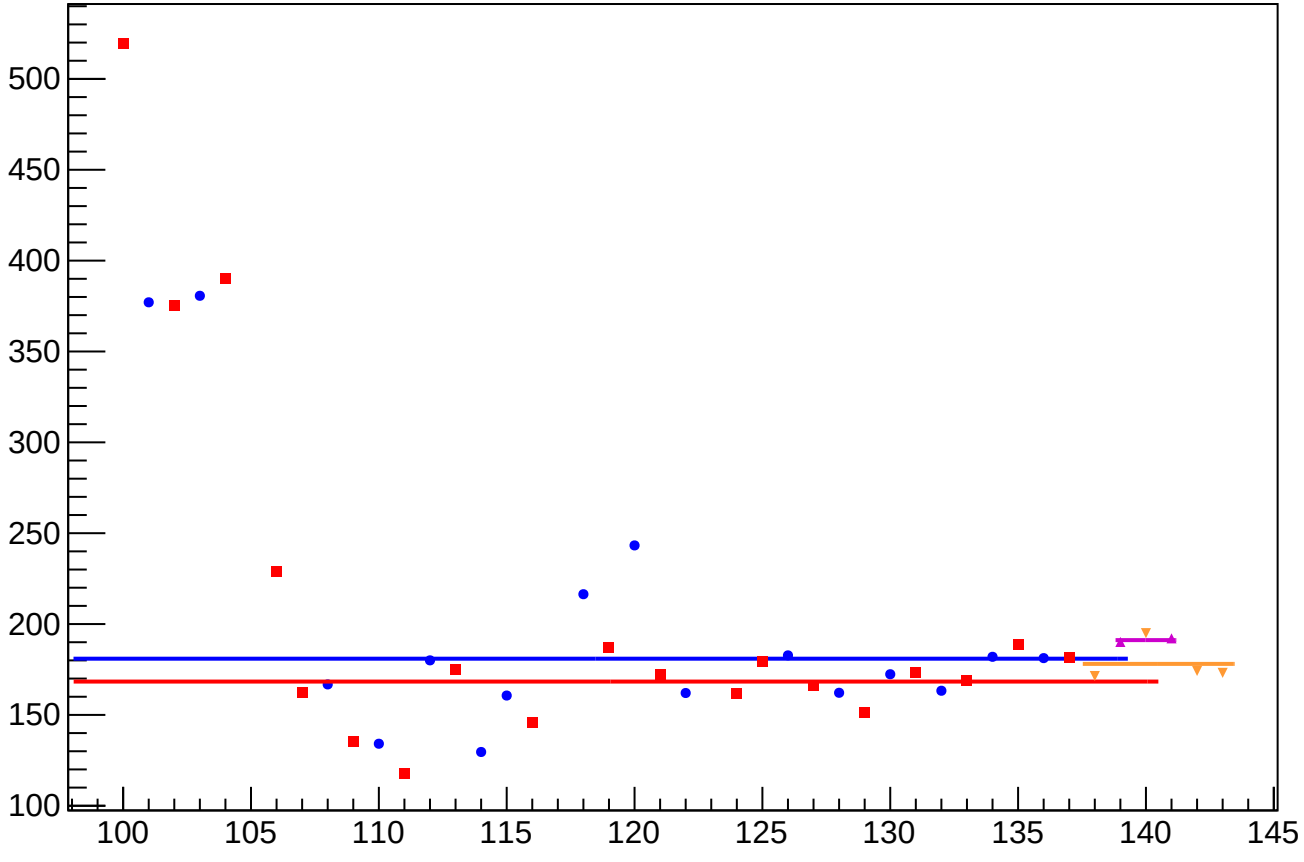
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152552.877+/-0.065 χ^2/NDF:655603481.7/17

Out: 152783.449+/-0.057 χ^2/NDF:740433480.6/22

All: 152684.089+/-0.043 χ^2/NDF: 14031867

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 178.074+/-0.076 χ^2/NDF:16026.8/3

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 191.163+/-0.103 χ^2/NDF:90.9/1

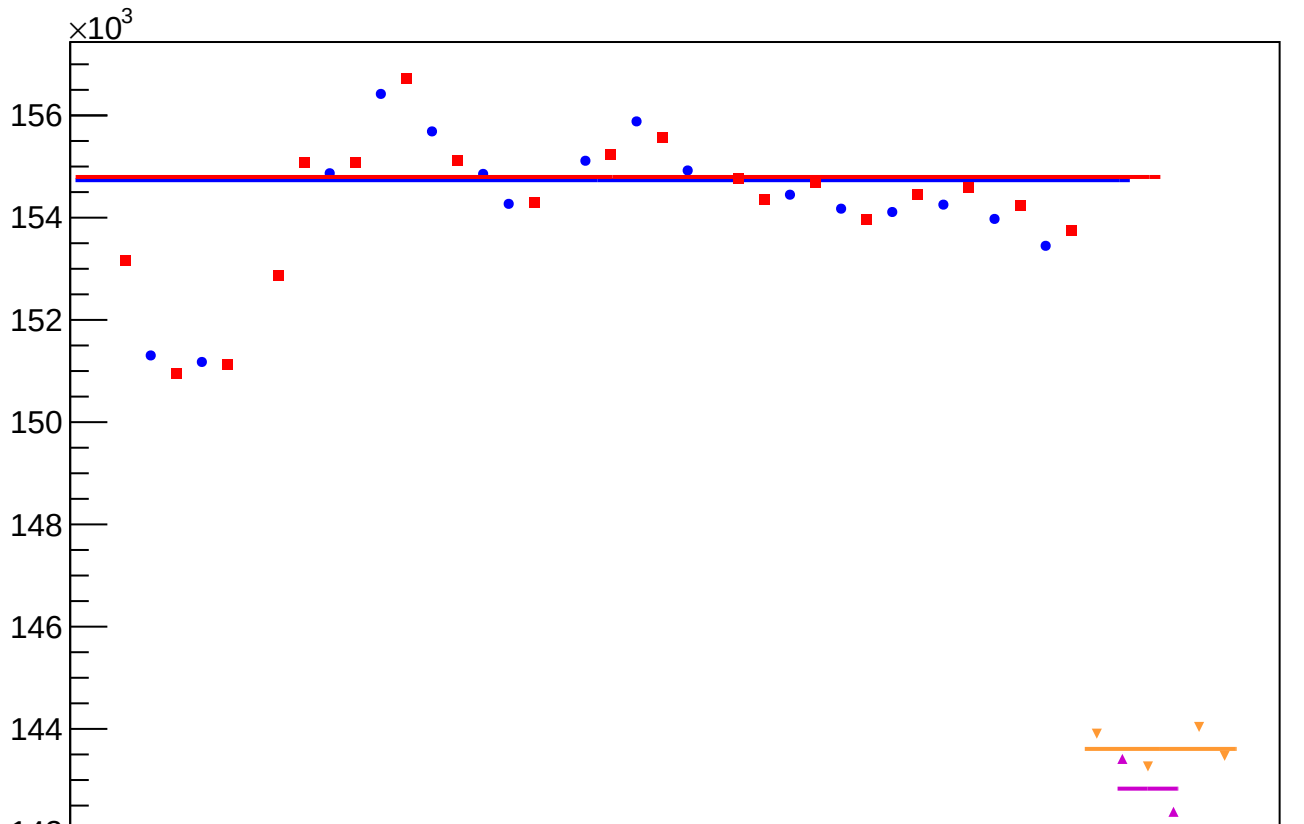
Left: 182.643+/-0.061 χ^2/NDF: 26527.8/5

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 182.958+/-0.046 χ^2/NDF:915680.8/17

Out: 171.062+/-0.040 χ^2/NDF:1116989.9/22

All: 176.188+/-0.030 χ^2/NDF: 2070737.9/40



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143608.753+/-0.102 χ^2/NDF:8625427.8/3

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: 143313.303+/-0.081 χ^2/NDF: 45864500.6/5

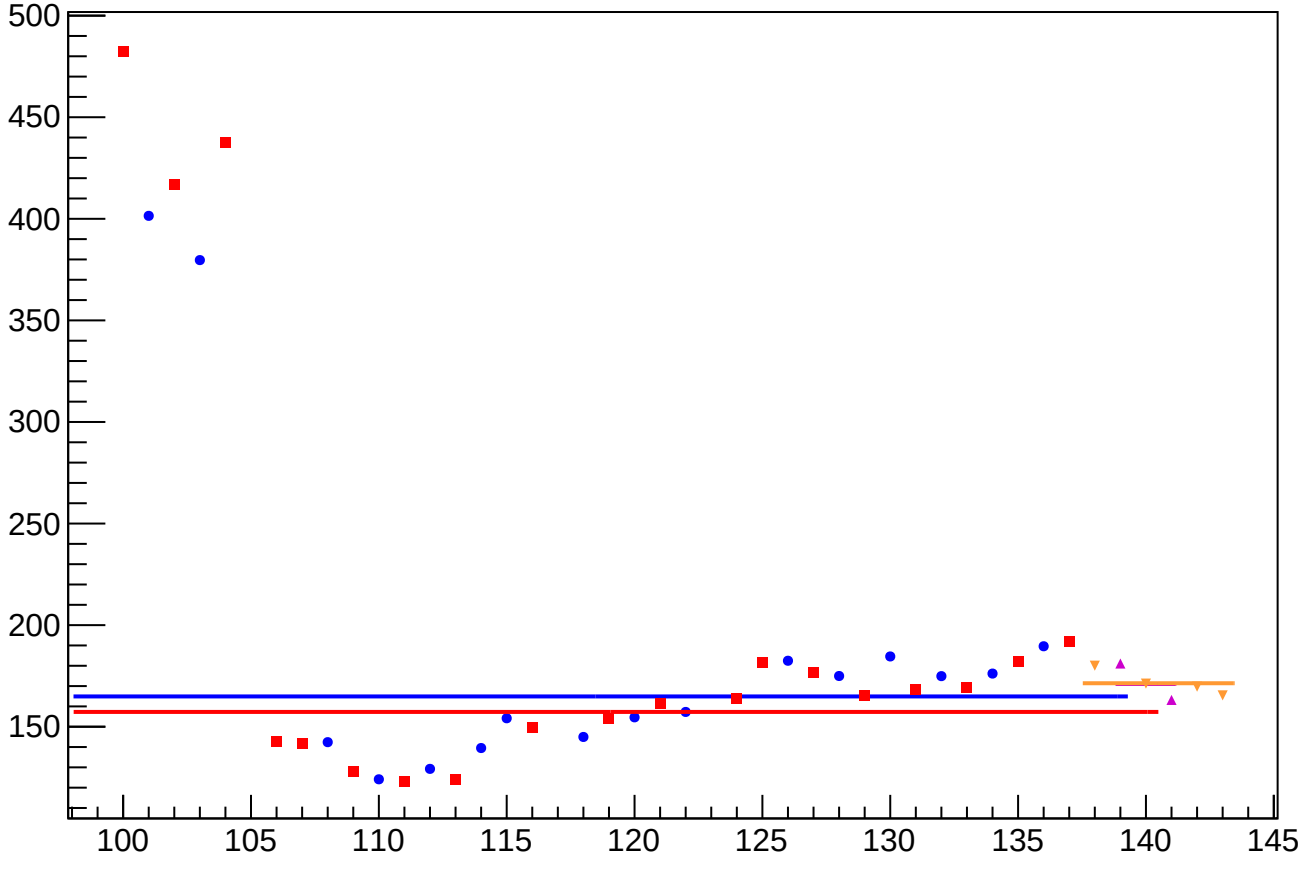
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 152367.811+/-0.058 χ^2/NDF:6913197451.9/17

Out: 151864.879+/-0.052 χ^2/NDF:9106067624.3/2

All: 152089.647+/-0.039 χ^2/NDF: 160603424

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 171.402+/-0.072 χ^2/NDF:5690.9/3

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 171.031+/-0.093 χ^2/NDF:9219.7/1

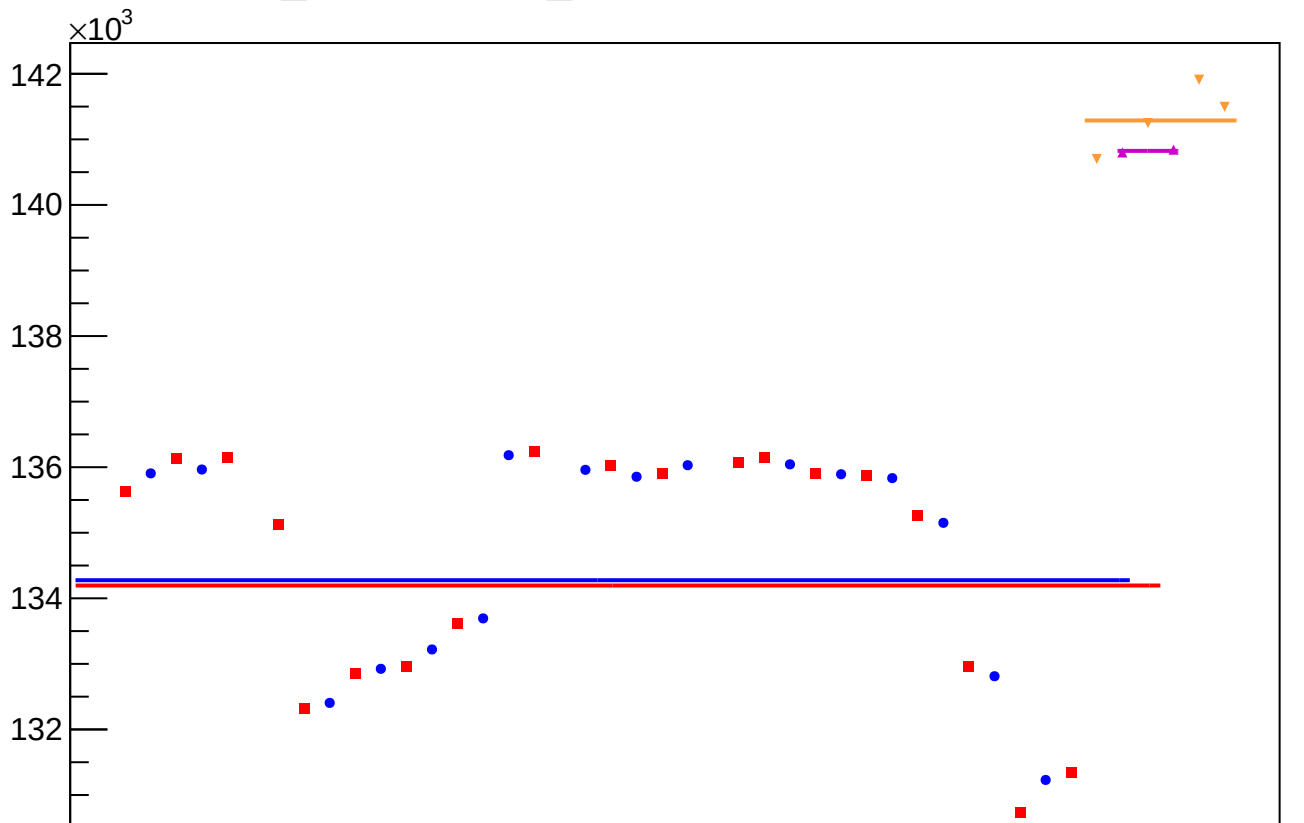
Left: 171.261+/-0.057 χ^2/NDF: 14920.6/5

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 166.124+/-0.041 χ^2/NDF:1085458.2/17

Out: 160.982+/-0.037 χ^2/NDF:1288533.5/22

All: 163.280+/-0.028 χ^2/NDF: 2382577.8/40



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141288.436+/-0.100 χ^2/NDF:15973185.5/3

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: 141112.173+/-0.079 χ^2/NDF: 24181754.2/5

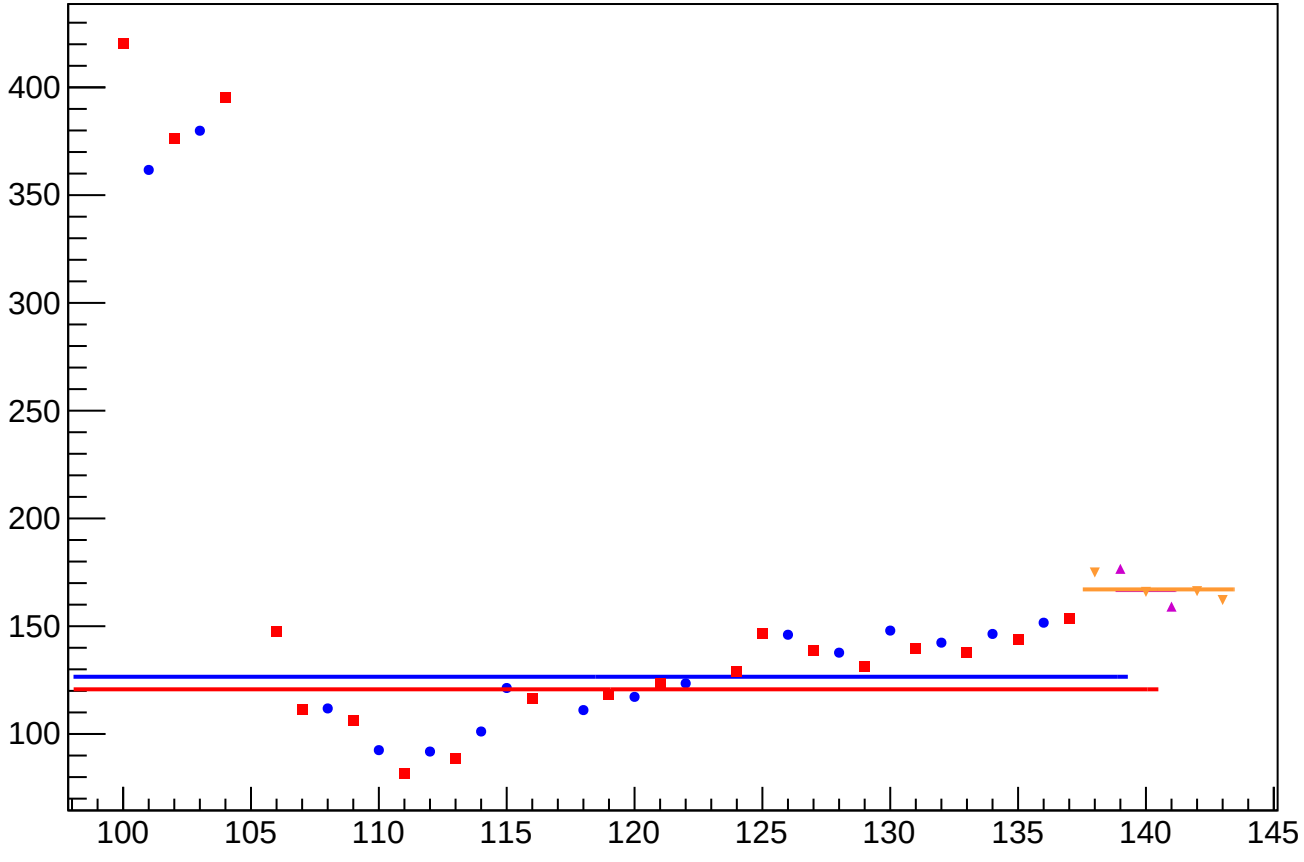
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 135171.022+/-0.047 χ^2/NDF:3411499842.8/17

Out: 135522.682+/-0.043 χ^2/NDF:5312558320.2/2

All: 135362.260+/-0.032 χ^2/NDF: 87542128

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 167.080+/-0.071 χ^2/NDF:4653.9/3

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 166.776+/-0.090 χ^2/NDF:9276.7/1

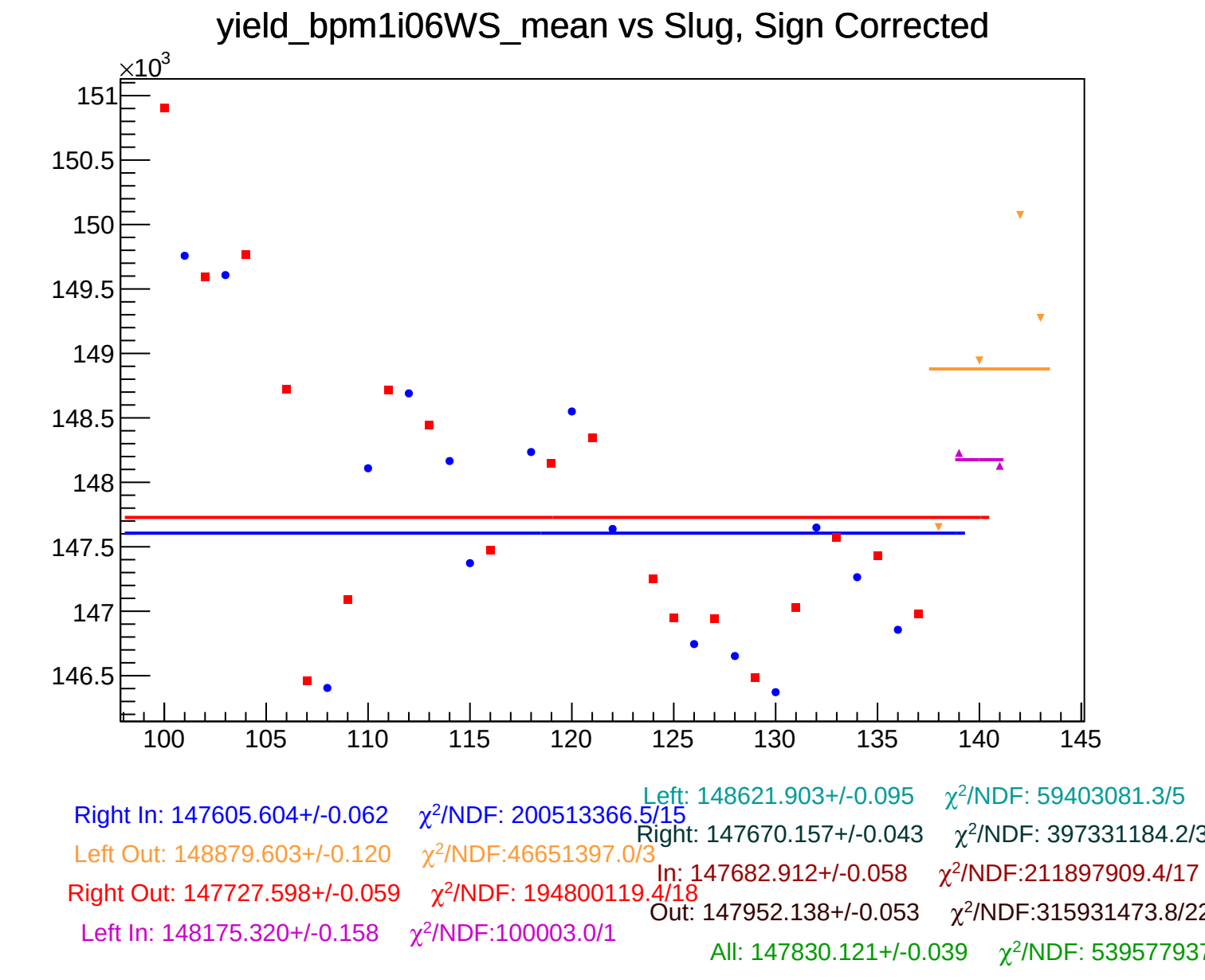
Left: 166.964+/-0.056 χ^2/NDF: 13937.6/5

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

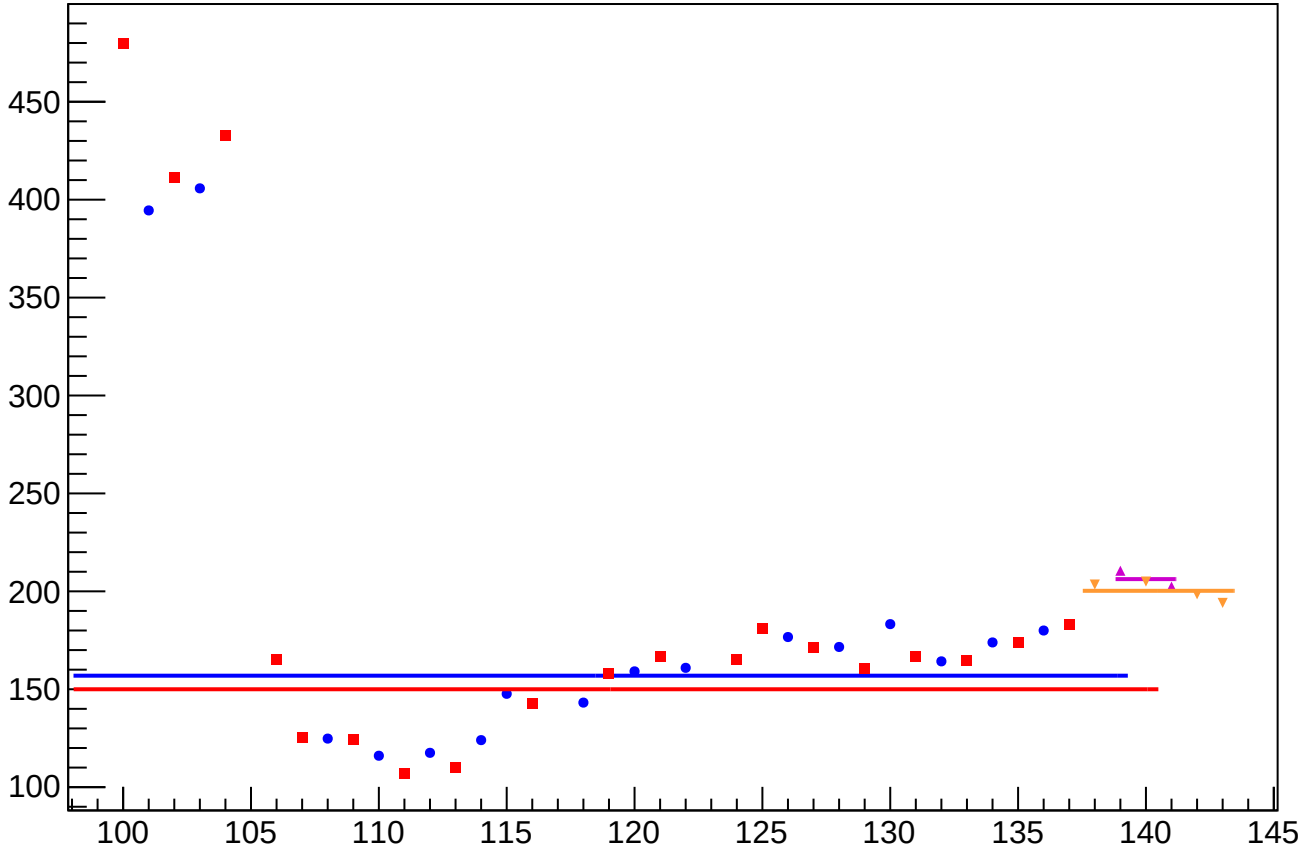
In: 132.048+/-0.033 χ^2/NDF:1657912.0/17

Out: 129.398+/-0.031 χ^2/NDF:1986850.0/22

All: 130.607+/-0.023 χ^2/NDF: 3648186.5/40


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
151
150.5
150
149.5
149
148.5
148
147.5
147
146.5
100
105
110
115
120
125
130
135
140
145
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 148879.603+/-0.120 χ²/NDF:46651397.0/3
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 148175.320+/-0.158 χ²/NDF:100003.0/1
Left: 148621.903+/-0.095 χ²/NDF: 59403081.3/5
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 147682.912+/-0.058 χ²/NDF:211897909.4/17
Out: 147952.138+/-0.053 χ²/NDF:315931473.8/22
All: 147830.121+/-0.039 χ²/NDF: 53957793

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 200.270+/-0.085 χ^2/NDF:2919.6/3

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.244+/-0.111 χ^2/NDF:1306.9/1

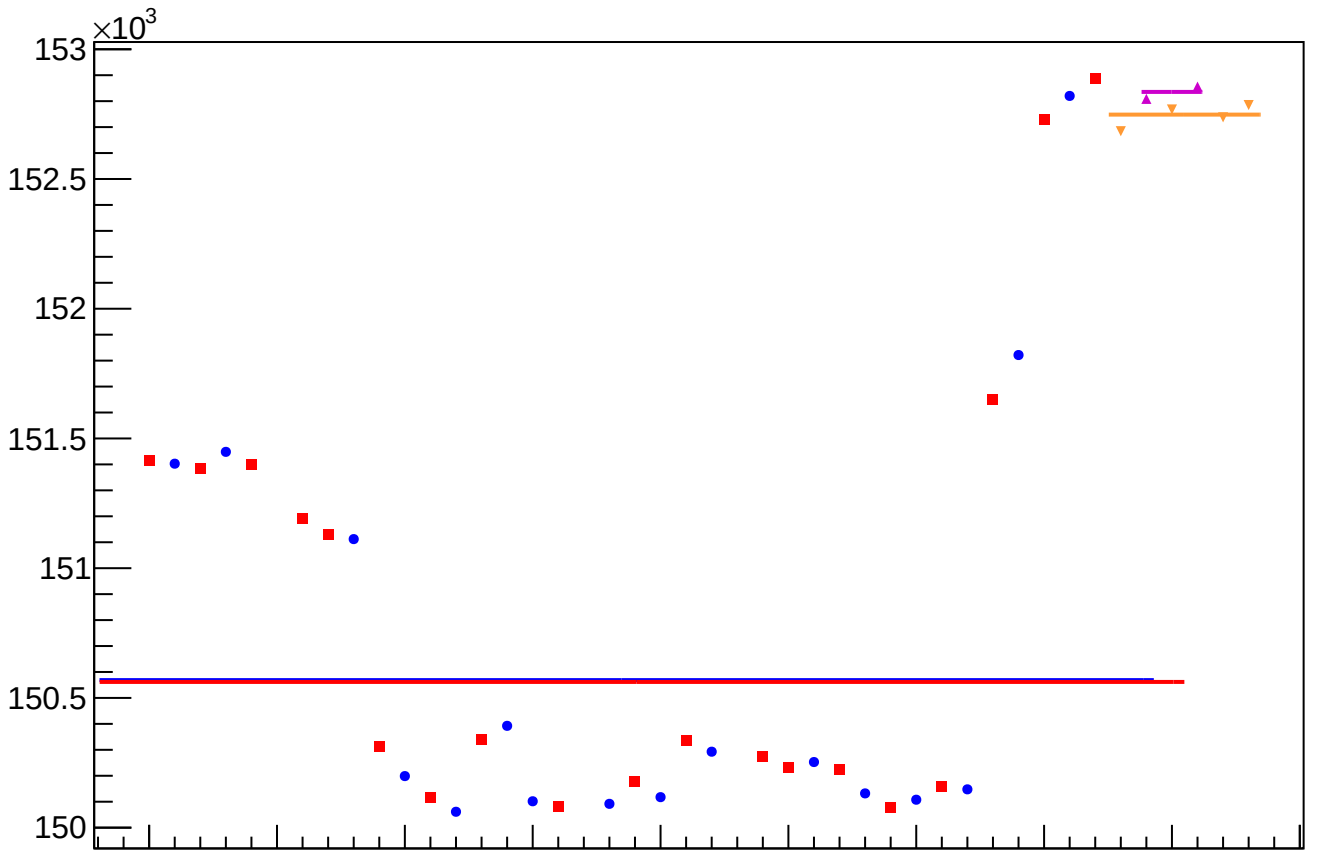
Left: 202.456+/-0.067 χ^2/NDF: 6047.3/5

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 163.619+/-0.041 χ^2/NDF:1436195.1/17

Out: 159.793+/-0.037 χ^2/NDF:1740562.0/22

All: 161.527+/-0.028 χ^2/NDF: 3181502.1/40



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152748.129+/-0.101 χ^2/NDF:150068.0/3

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152835.584+/-0.130 χ^2/NDF:32542.5/1

Left: 152781.358+/-0.080 χ^2/NDF: 464694.7/5

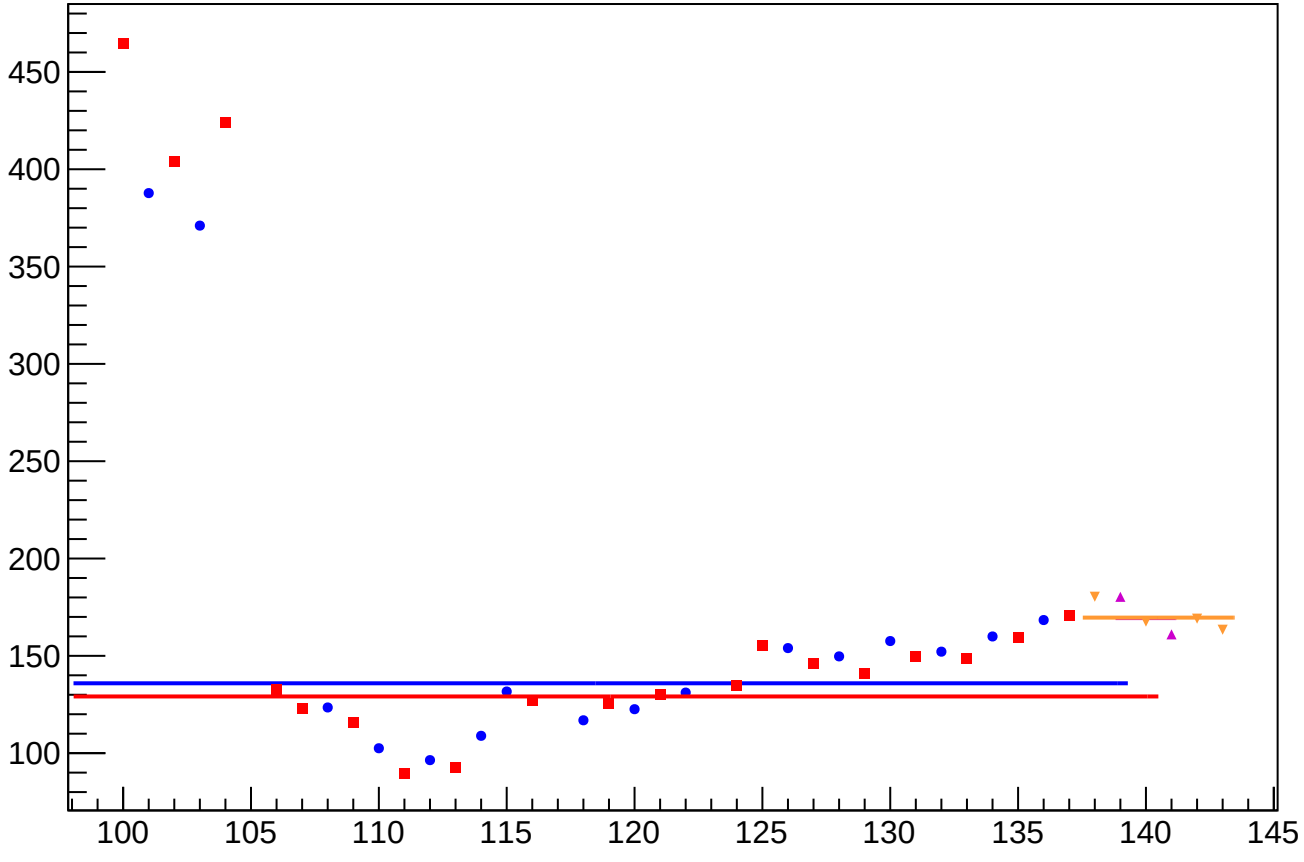
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 150910.191+/-0.050 χ^2/NDF:496812324.2/17

Out: 151002.145+/-0.046 χ^2/NDF:568211203.5/22

All: 150960.732+/-0.034 χ^2/NDF: 10668583

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 169.640+/-0.072 χ^2/NDF:7983.7/3

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 169.395+/-0.092 χ^2/NDF:10871.4/1

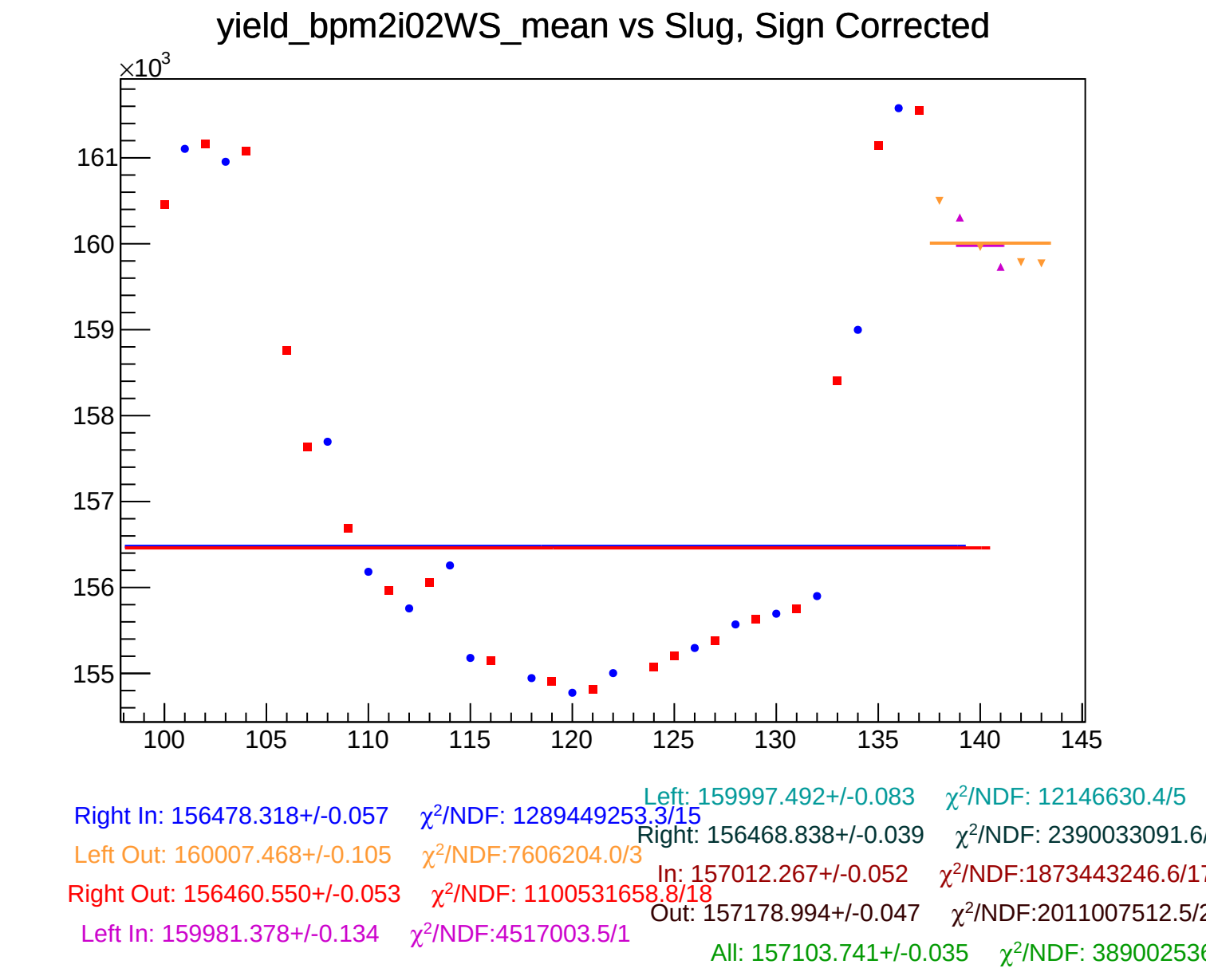
Left: 169.547+/-0.057 χ^2/NDF: 18859.5/5

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

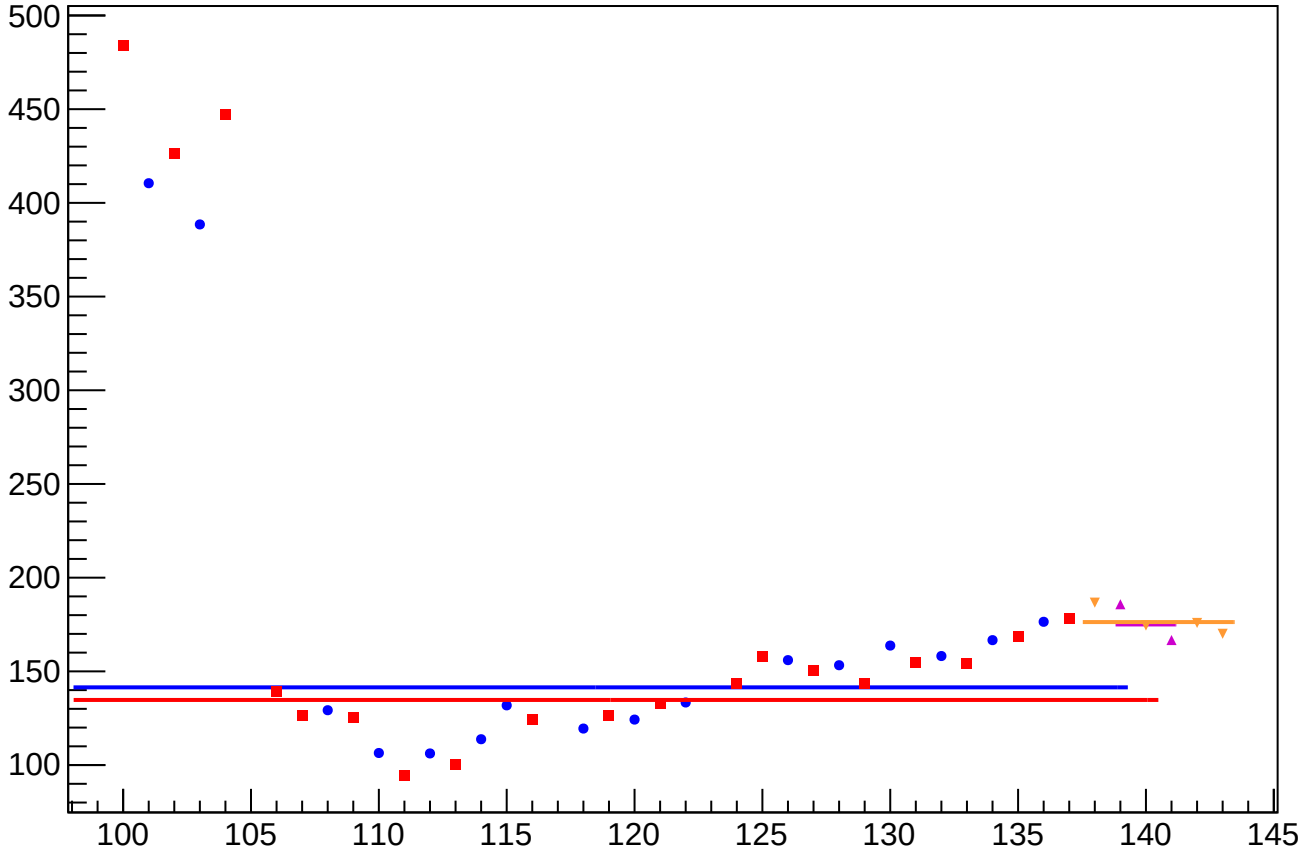
In: 140.943+/-0.036 χ^2/NDF:1540588.2/17

Out: 137.292+/-0.032 χ^2/NDF:1876694.1/22

All: 138.936+/-0.024 χ^2/NDF: 3423068.8/40


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
161
160
159
158
157
156
155
100
105
110
115
120
125
130
135
140
145
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 160007.468+/-0.105 χ²/NDF:7606204.0/3
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 159981.378+/-0.134 χ²/NDF:4517003.5/1
Left: 159997.492+/-0.083 χ²/NDF: 12146630.4/5
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6/
In: 157012.267+/-0.052 χ²/NDF:1873443246.6/17
Out: 157178.994+/-0.047 χ²/NDF:2011007512.5/2
All: 157103.741+/-0.035 χ²/NDF: 38900253

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 176.309+/-0.075 χ^2/NDF:7061.2/3

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 175.037+/-0.095 χ^2/NDF:9987.6/1

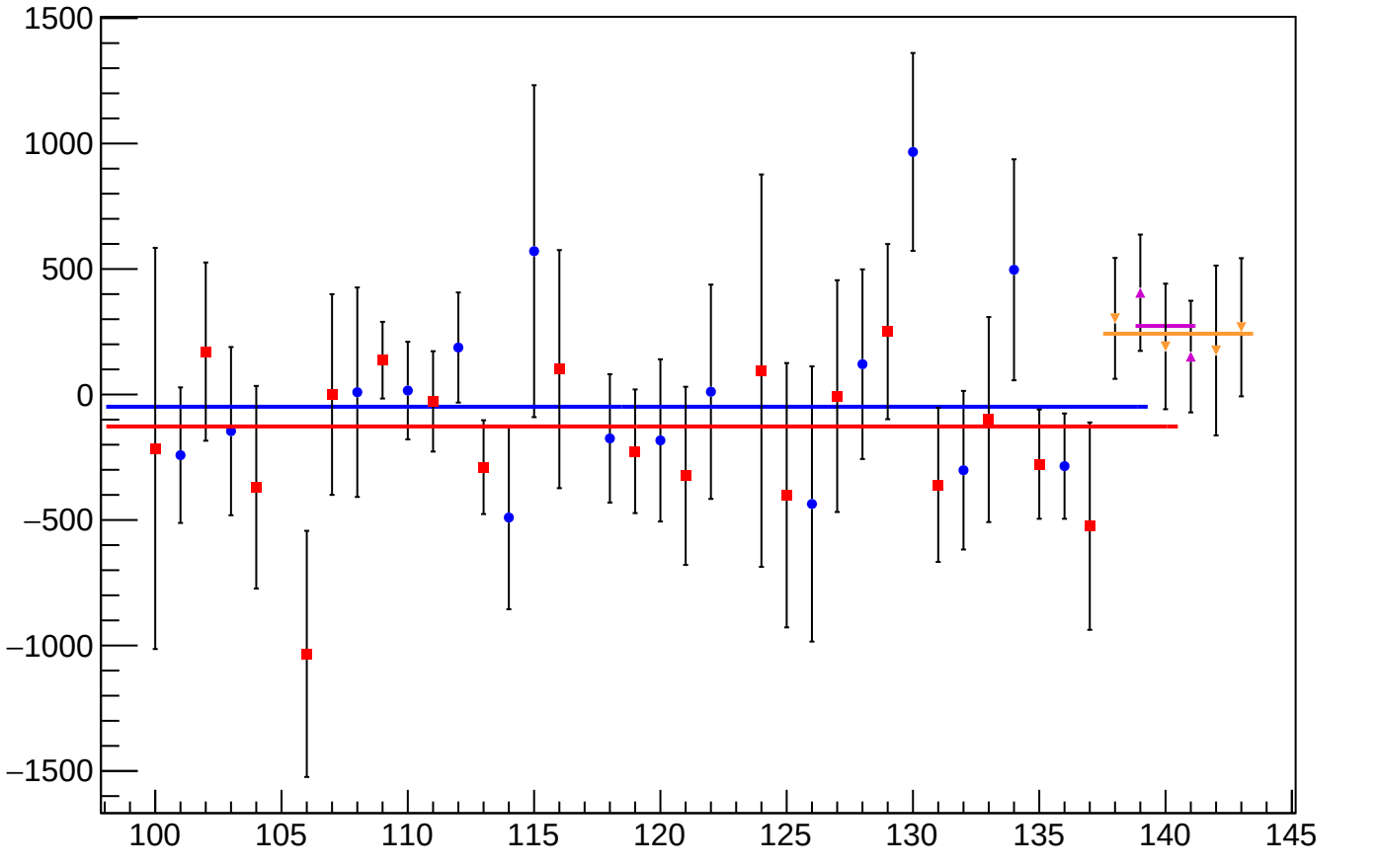
Left: 175.823+/-0.059 χ^2/NDF: 17160.3/5

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 146.586+/-0.037 χ^2/NDF:1508332.9/17

Out: 143.165+/-0.034 χ^2/NDF:1834051.9/22

All: 144.709+/-0.025 χ^2/NDF: 3347081.1/40



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 242.177+/-134.637 χ^2/NDF:0.2/3

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: 254.963+/-103.145 χ^2/NDF: 0.8/5

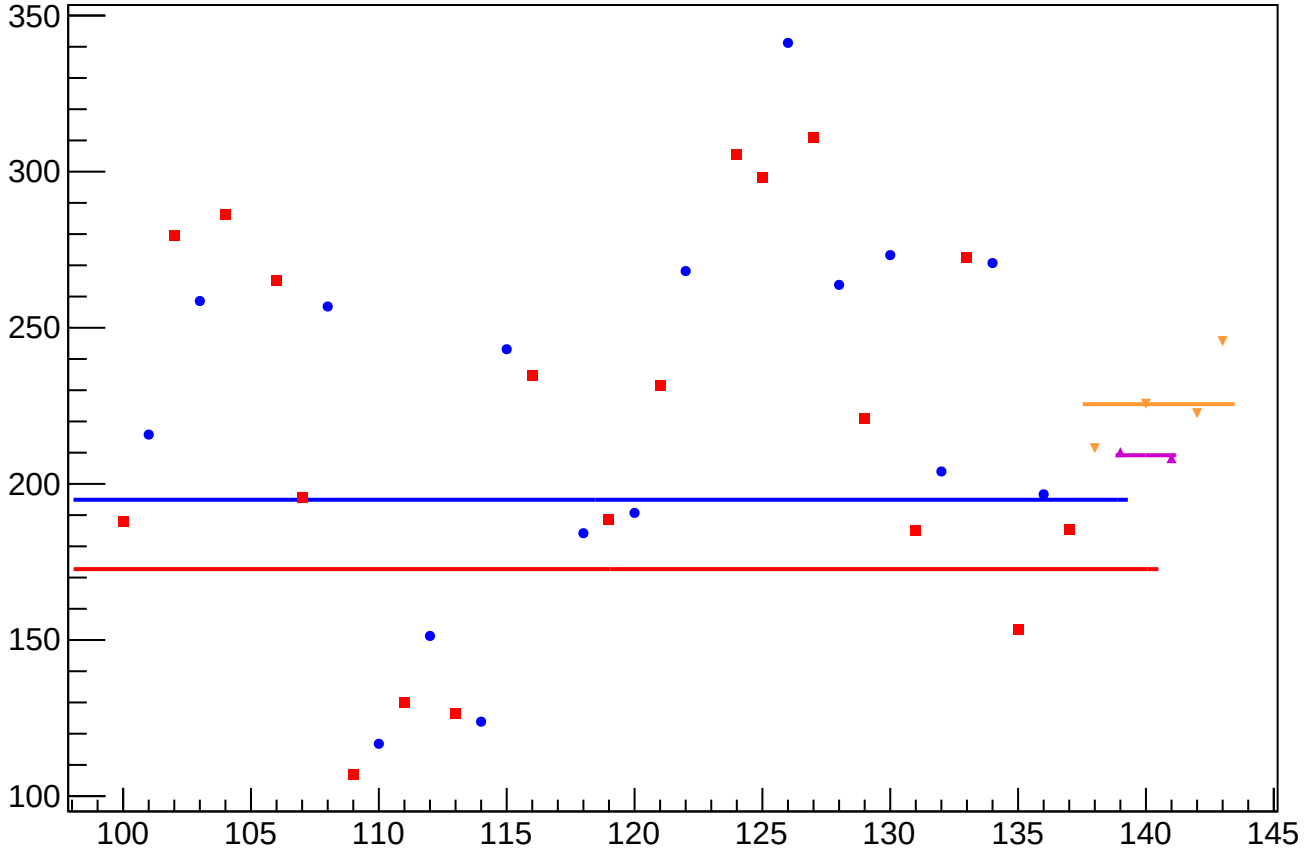
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 10.967+/-69.123 χ^2/NDF:19.3/17

Out: -51.275+/-61.057 χ^2/NDF:19.0/22

All: -23.996+/-45.761 χ^2/NDF: 38.8/40

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 225.527+/-0.095 χ^2/NDF:17758.4/3

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 209.175+/-0.113 χ^2/NDF:72.5/1

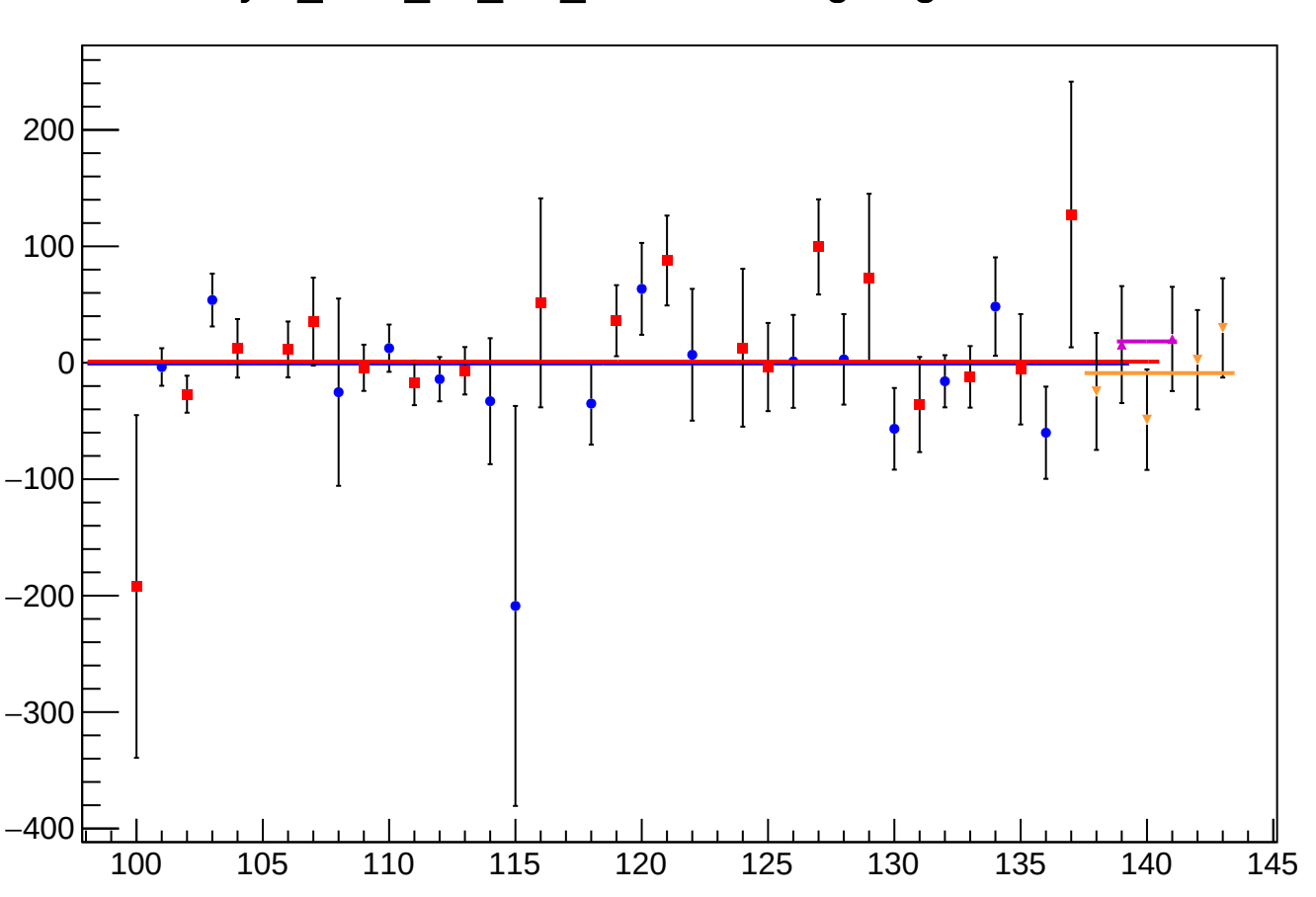
Left: 218.772+/-0.073 χ^2/NDF: 30018.6/5

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 197.567+/-0.049 χ^2/NDF:1041821.9/17

Out: 183.567+/-0.043 χ^2/NDF:1893656.8/22

All: 189.703+/-0.032 χ^2/NDF: 2981561.5/40



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.870+/-22.182 χ^2/NDF:1.9/3

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: -0.552+/-18.481 χ^2/NDF: 2.3/5

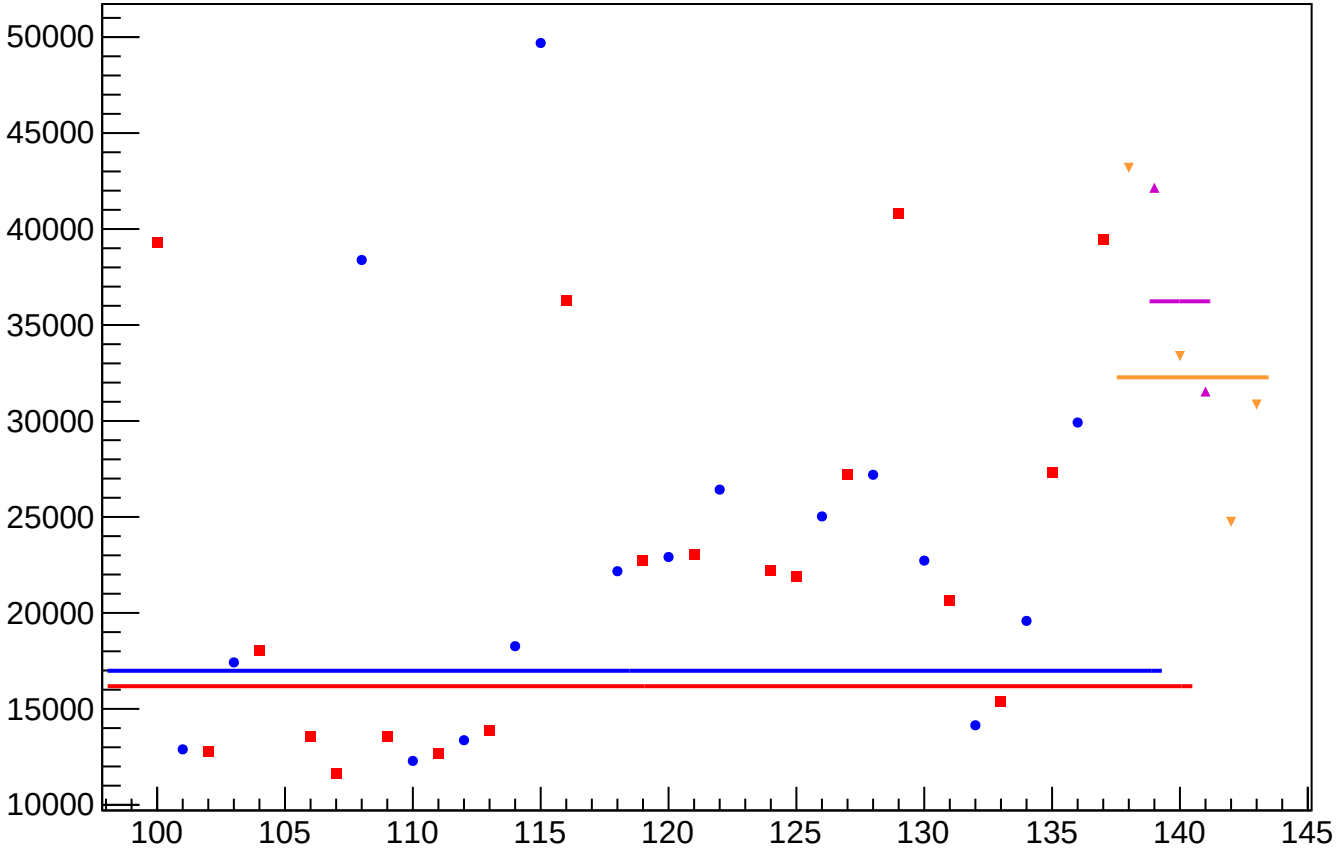
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 0.248+/-7.169 χ^2/NDF:19.2/17

Out: 0.103+/-6.473 χ^2/NDF:25.1/22

All: 0.168+/-4.804 χ^2/NDF: 44.3/40

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32274.827+/-15.685 χ^2/NDF:160203.9/3

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: 33486.081+/-13.068 χ^2/NDF: 229465.6/5

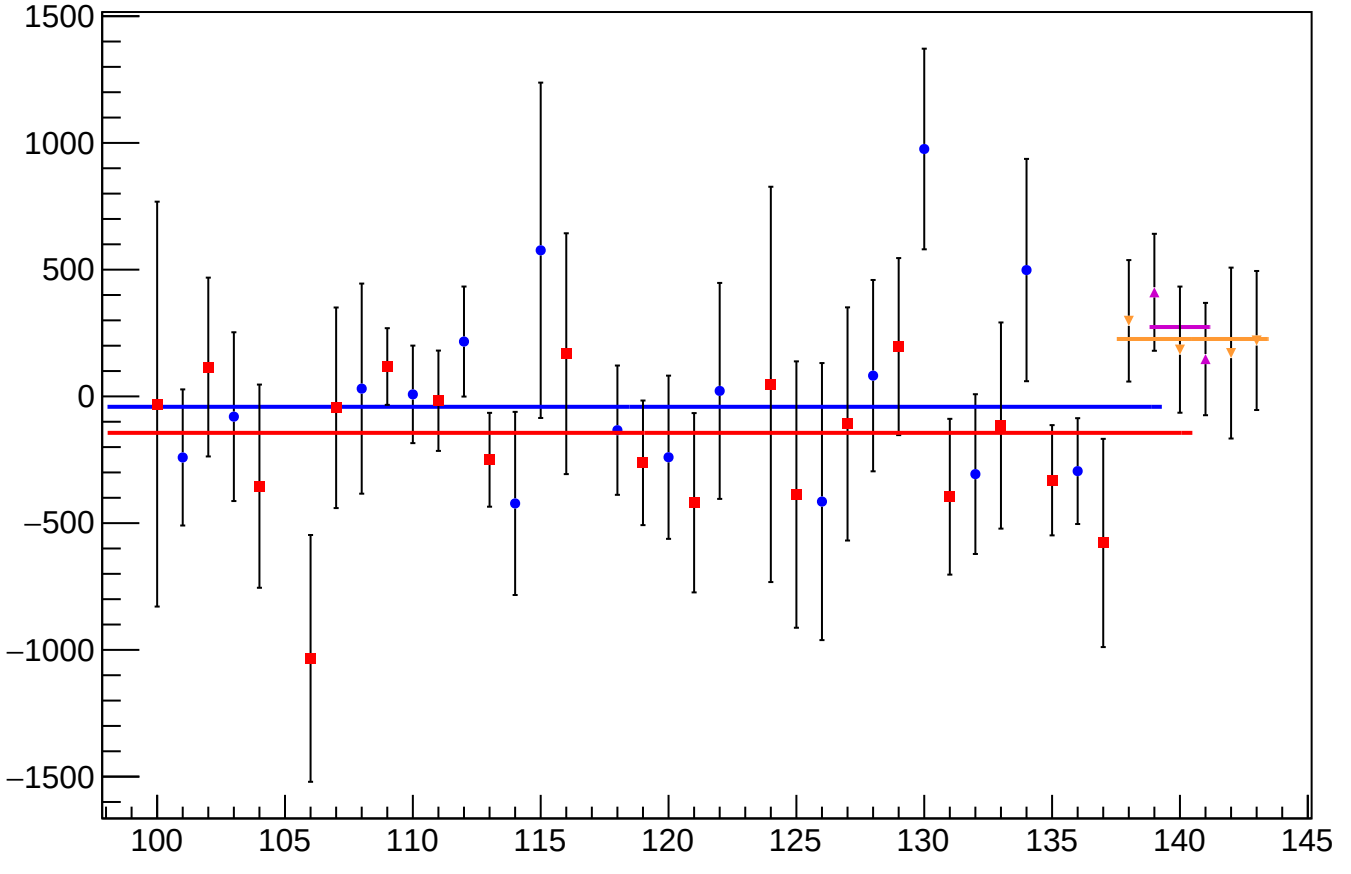
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 17872.398+/-5.070 χ^2/NDF:1876902.7/17

Out: 17552.054+/-4.577 χ^2/NDF:2374706.5/22

All: 17695.906+/-3.397 χ^2/NDF: 4253809.1/4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 226.509+/-134.037 χ^2/NDF:0.1/3

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 273.699+/-159.807 χ^2/NDF:0.7/1

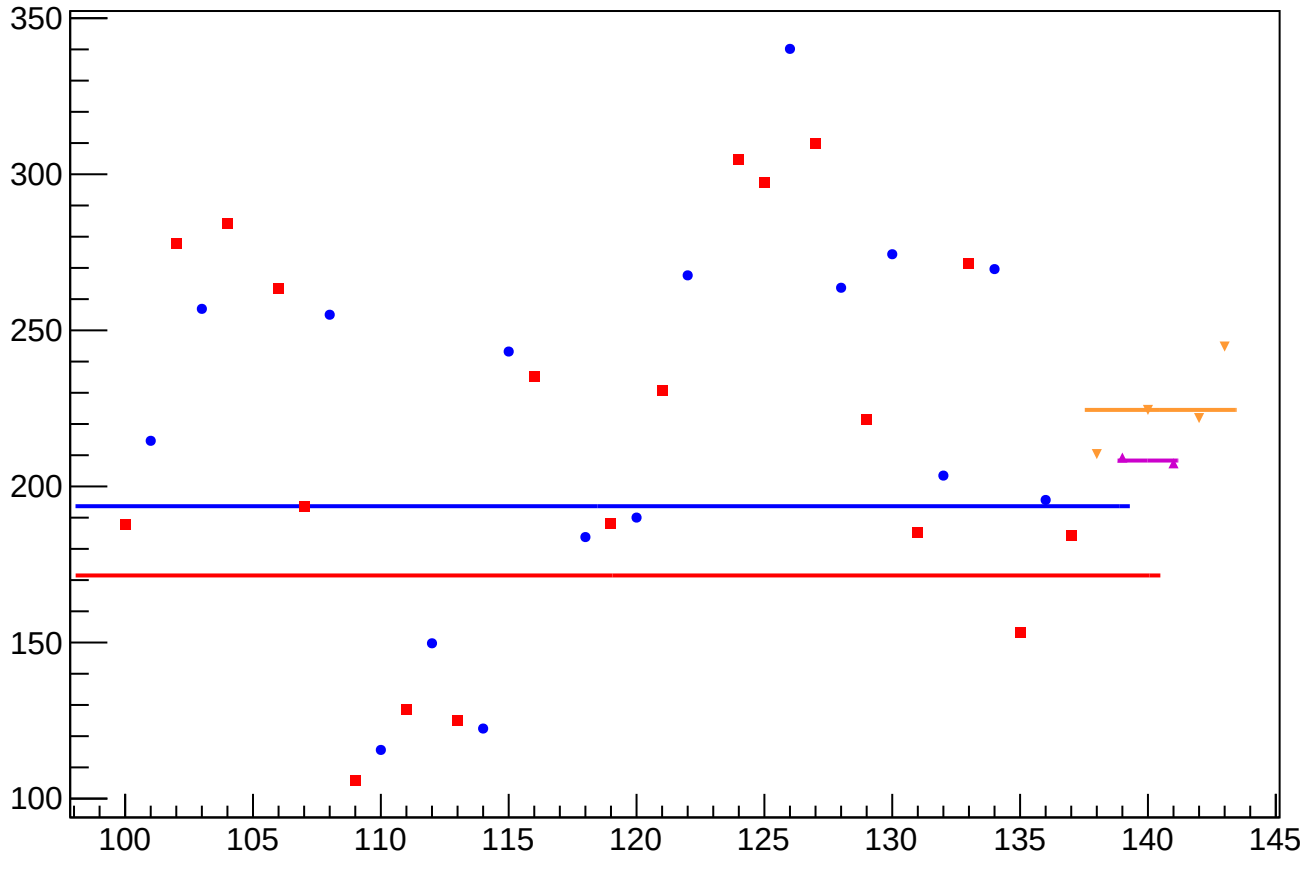
Left: 245.997+/-102.696 χ^2/NDF: 0.9/5

Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 17.203+/-68.749 χ^2/NDF:19.3/17

Out: -67.875+/-60.699 χ^2/NDF:19.2/22

All: -30.606+/-45.502 χ^2/NDF: 39.4/40



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 224.518+/-0.095 χ^2/NDF:18053.9/3

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 208.296+/-0.113 χ^2/NDF:66.8/1

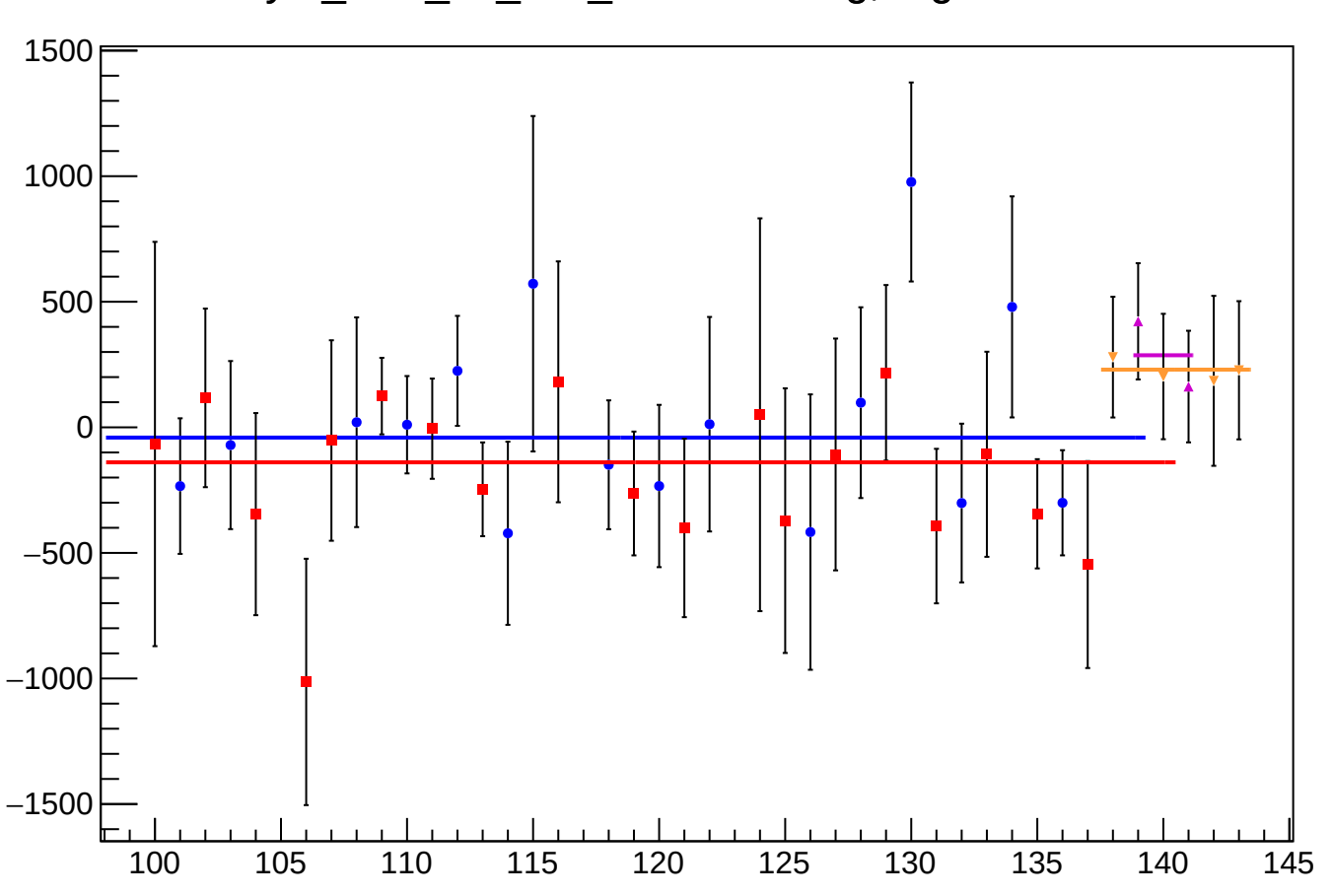
Left: 217.818+/-0.073 χ^2/NDF: 30218.7/5

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 196.377+/-0.049 χ^2/NDF:1063490.0/17

Out: 182.360+/-0.043 χ^2/NDF:1919936.8/22

All: 188.500+/-0.032 χ^2/NDF: 3030148.7/40



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 229.721+/-134.471 χ^2/NDF:0.1/3

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: 253.372+/-103.018 χ^2/NDF: 0.8/5

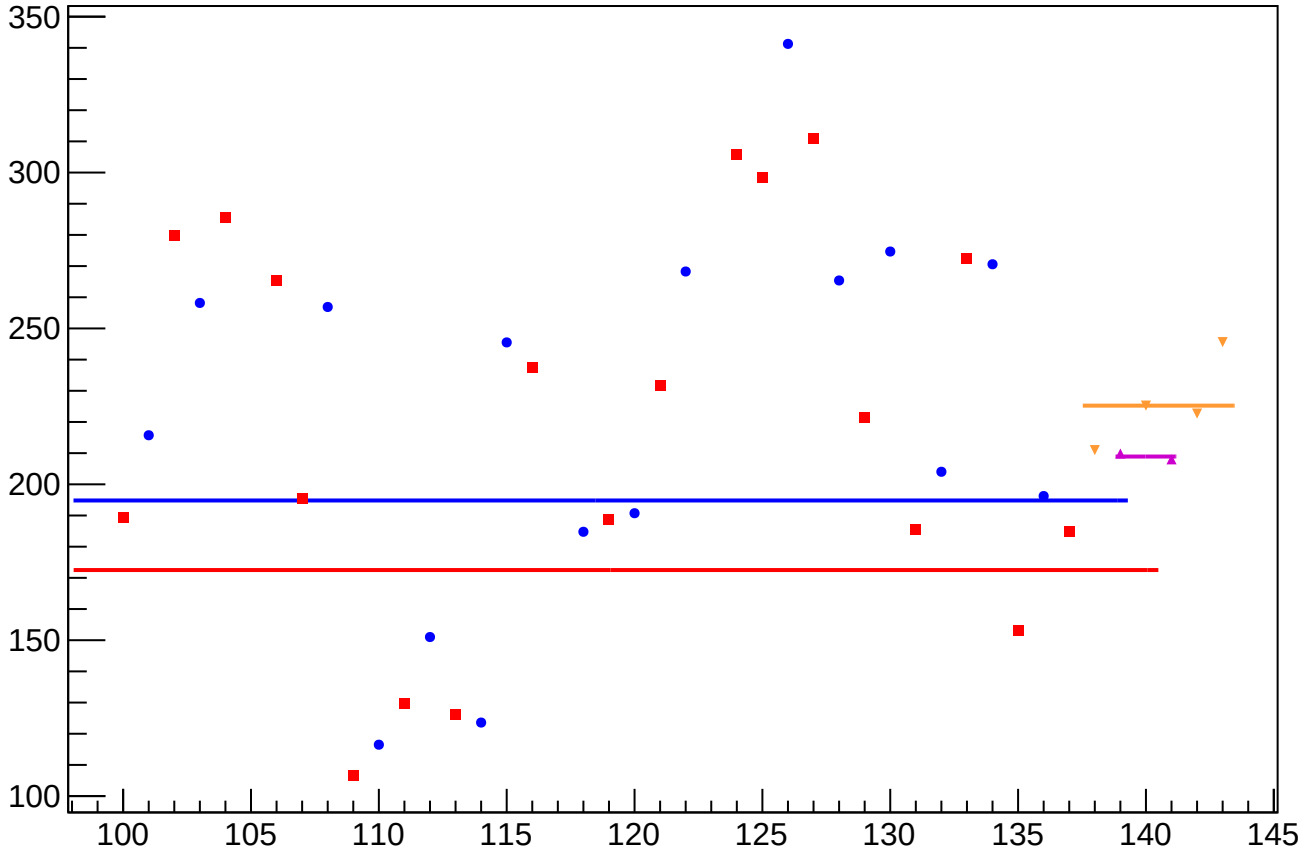
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 20.117+/-69.098 χ^2/NDF:19.4/17

Out: -63.336+/-61.008 χ^2/NDF:18.9/22

All: -26.779+/-45.733 χ^2/NDF: 39.2/40

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 225.240+/-0.095 χ^2/NDF:18124.9/3

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 208.915+/-0.113 χ^2/NDF:67.7/1

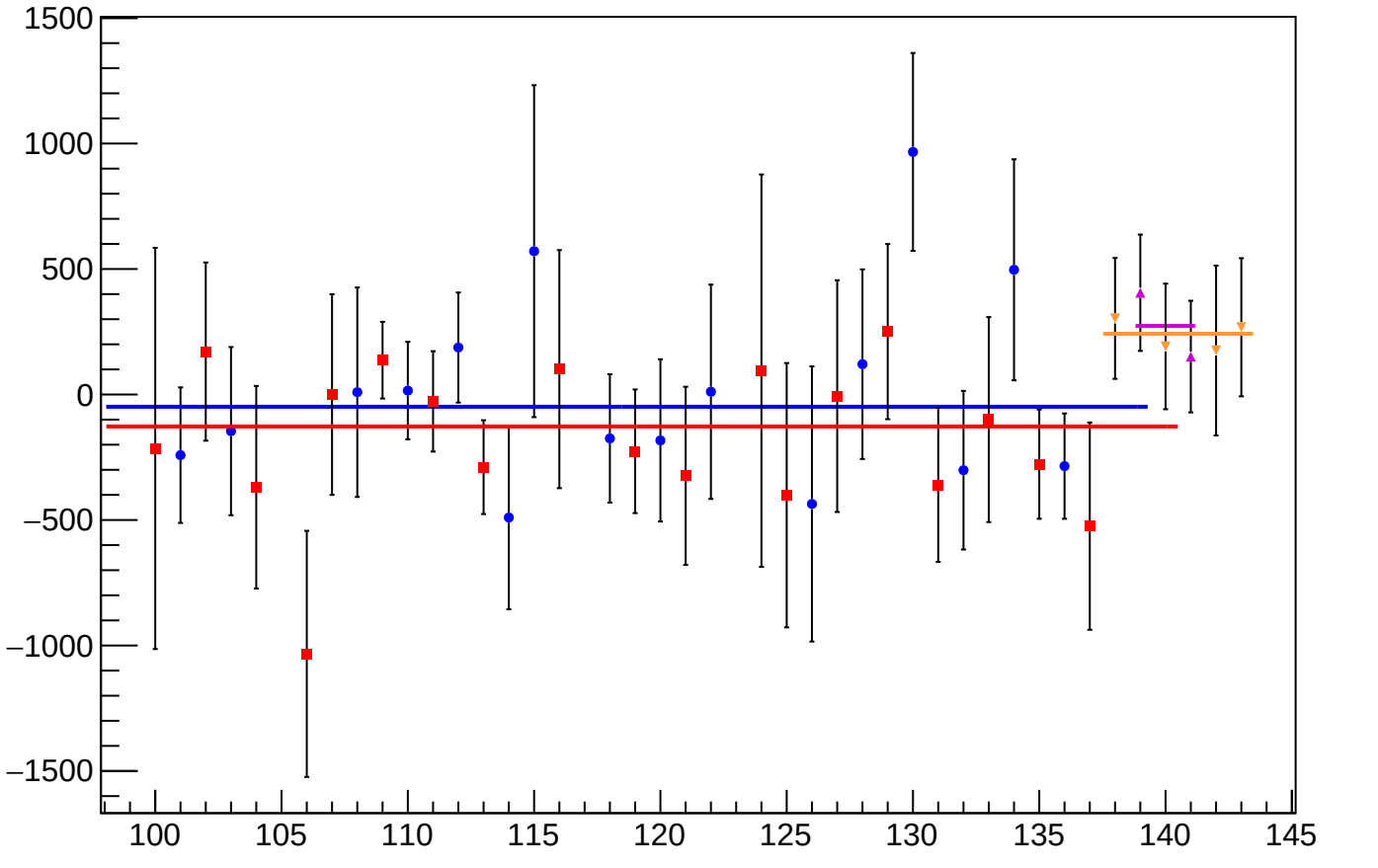
Left: 218.496+/-0.073 χ^2/NDF: 30369.2/5

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 197.439+/-0.049 χ^2/NDF:1051757.0/17

Out: 183.361+/-0.043 χ^2/NDF:1904444.2/22

All: 189.528+/-0.032 χ^2/NDF: 3002853.0/40



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 242.177+/-134.637 χ^2/NDF:0.2/3

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: 254.963+/-103.145 χ^2/NDF: 0.8/5

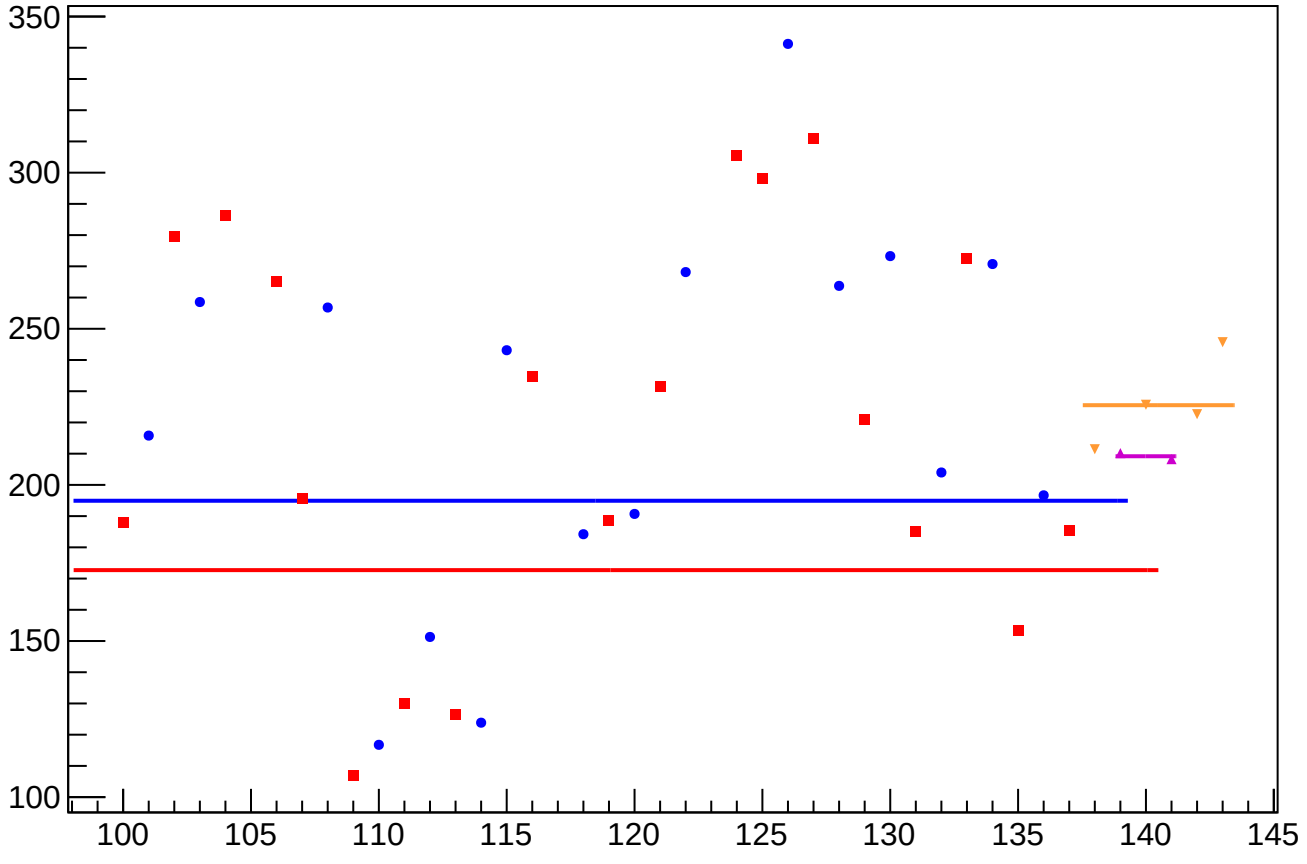
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 10.967+/-69.123 χ^2/NDF:19.3/17

Out: -51.275+/-61.057 χ^2/NDF:19.0/22

All: -23.996+/-45.761 χ^2/NDF: 38.8/40

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 225.527+/-0.095 χ^2/NDF:17758.4/3

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 209.175+/-0.113 χ^2/NDF:72.5/1

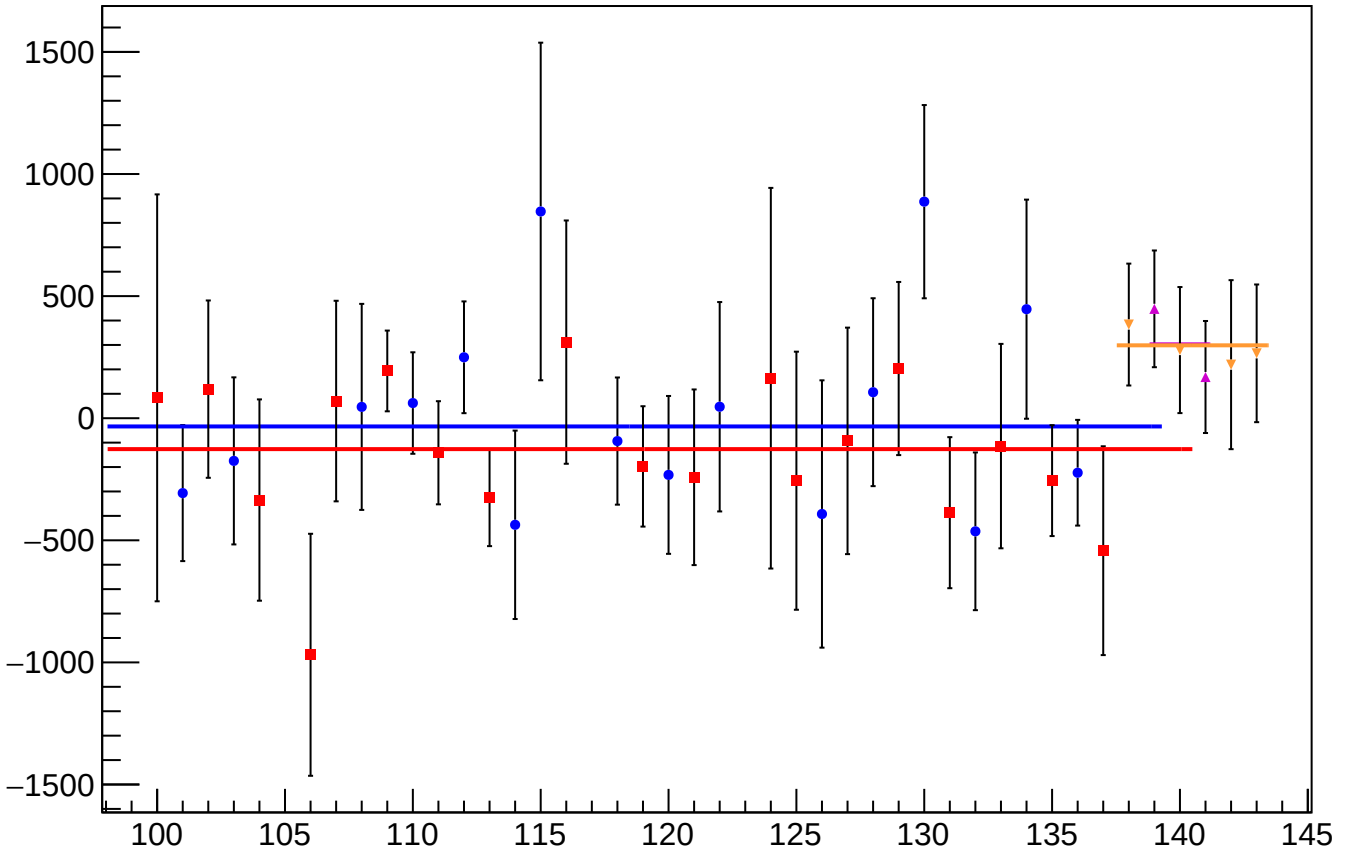
Left: 218.772+/-0.073 χ^2/NDF: 30018.6/5

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 197.567+/-0.049 χ^2/NDF:1041821.9/17

Out: 183.567+/-0.043 χ^2/NDF:1893656.8/22

All: 189.703+/-0.032 χ^2/NDF: 2981561.5/40



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 298.484+/-138.681 χ^2/NDF:0.2/3

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: 300.170+/-106.296 χ^2/NDF: 0.9/5

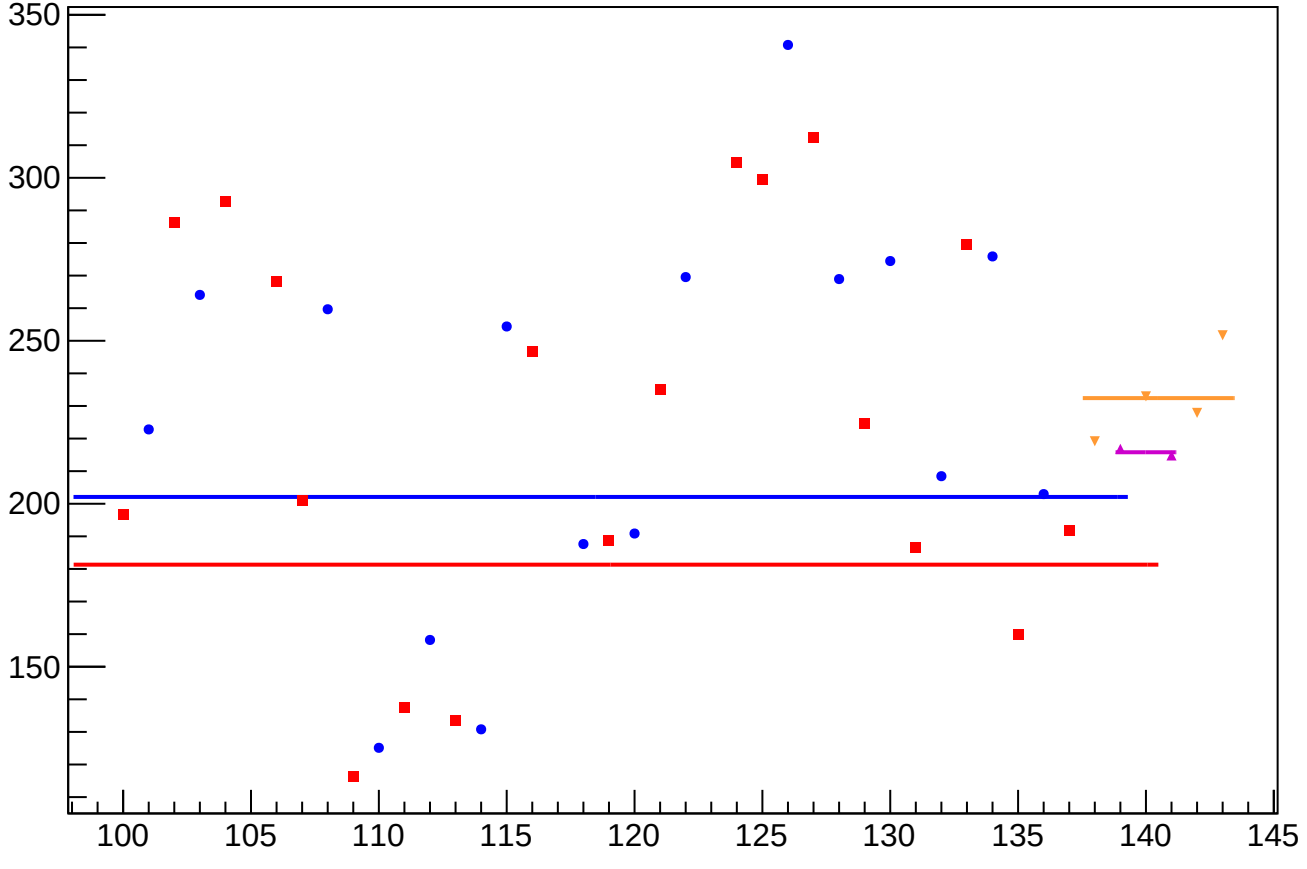
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 28.671+/-71.291 χ^2/NDF:19.8/17

Out: -37.682+/-63.417 χ^2/NDF:20.3/22

All: -8.371+/-47.383 χ^2/NDF: 40.6/40

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 232.413+/-0.098 χ^2/NDF:15338.1/3

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 215.800+/-0.117 χ^2/NDF:76.5/1

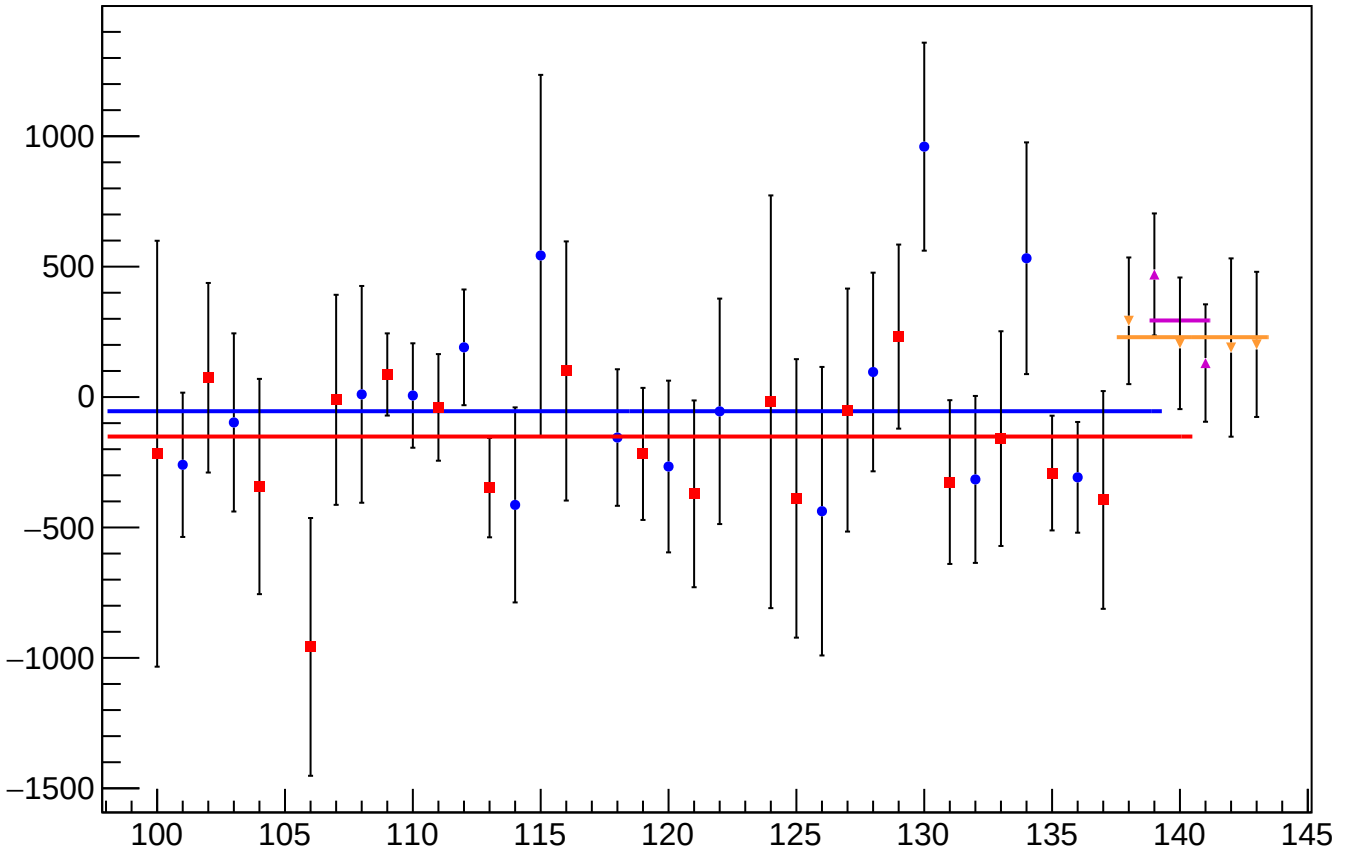
Left: 225.560+/-0.075 χ^2/NDF: 27253.6/5

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 204.634+/-0.050 χ^2/NDF:921513.7/17

Out: 191.998+/-0.045 χ^2/NDF:1671093.2/22

All: 197.580+/-0.034 χ^2/NDF: 2627684.6/40



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 229.572+/-135.897 χ^2/NDF:0.1/3

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: 255.982+/-104.179 χ^2/NDF: 1.3/5

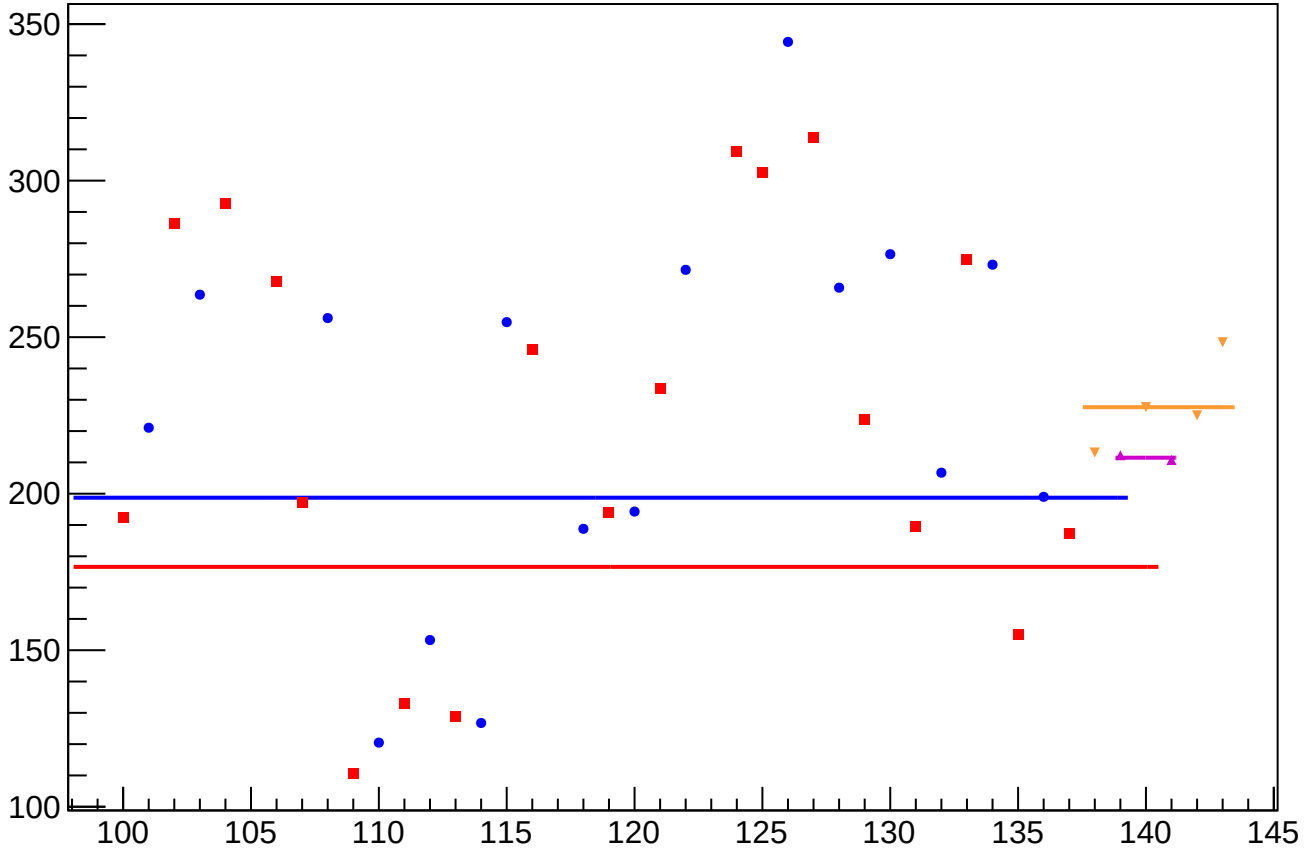
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 10.983+/-70.258 χ^2/NDF:19.9/17

Out: -71.658+/-62.161 χ^2/NDF:16.6/22

All: -35.373+/-46.555 χ^2/NDF: 37.2/40

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 227.637+/-0.096 χ^2/NDF:18333.2/3

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: 220.983+/-0.074 χ^2/NDF: 30004.6/5

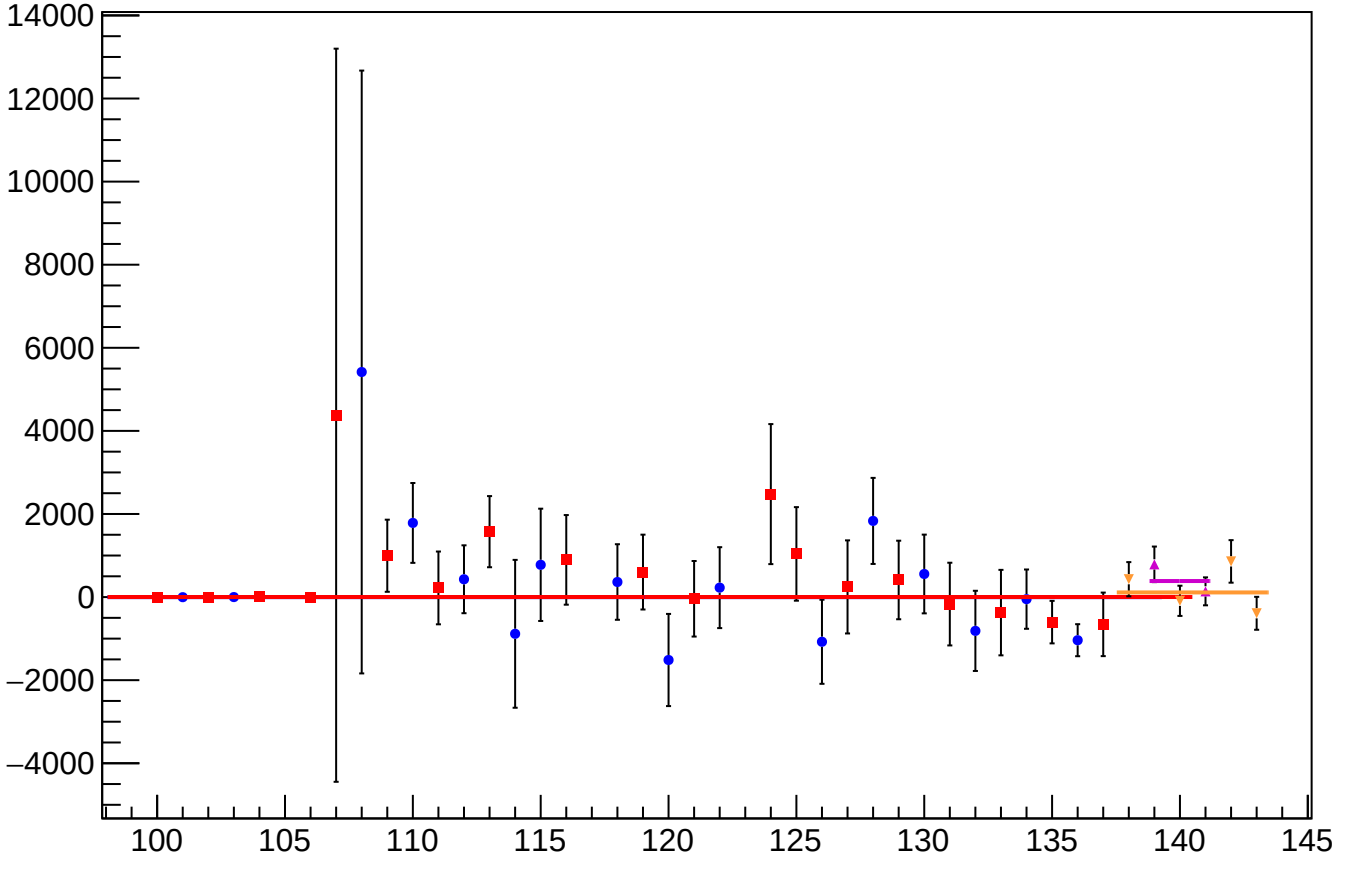
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 201.115+/-0.050 χ^2/NDF:1004197.4/17

Out: 187.295+/-0.044 χ^2/NDF:1836919.7/22

All: 193.363+/-0.033 χ^2/NDF: 2884525.0/40

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 111.608+/-205.668 χ^2/NDF:4.6/3

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: 215.062+/-162.347 χ^2/NDF: 6.7/5

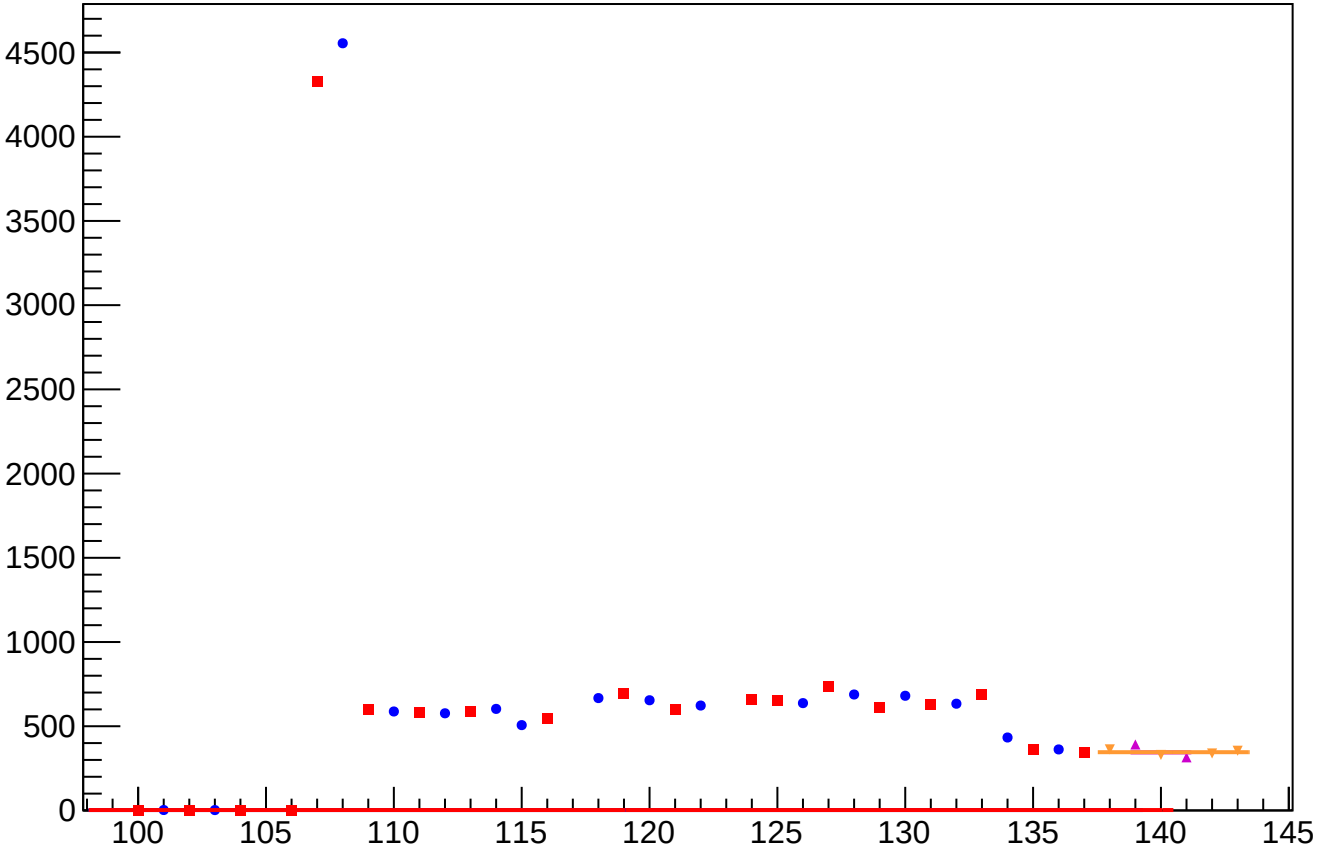
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.213+/-2.171 χ^2/NDF:23.5/17

Out: 1.388+/-2.022 χ^2/NDF:21.8/22

All: 0.180+/-1.480 χ^2/NDF: 46.0/40

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 345.912+/-0.145 χ^2/NDF:8751.6/3

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: 345.429+/-0.115 χ^2/NDF: 48026.5/5

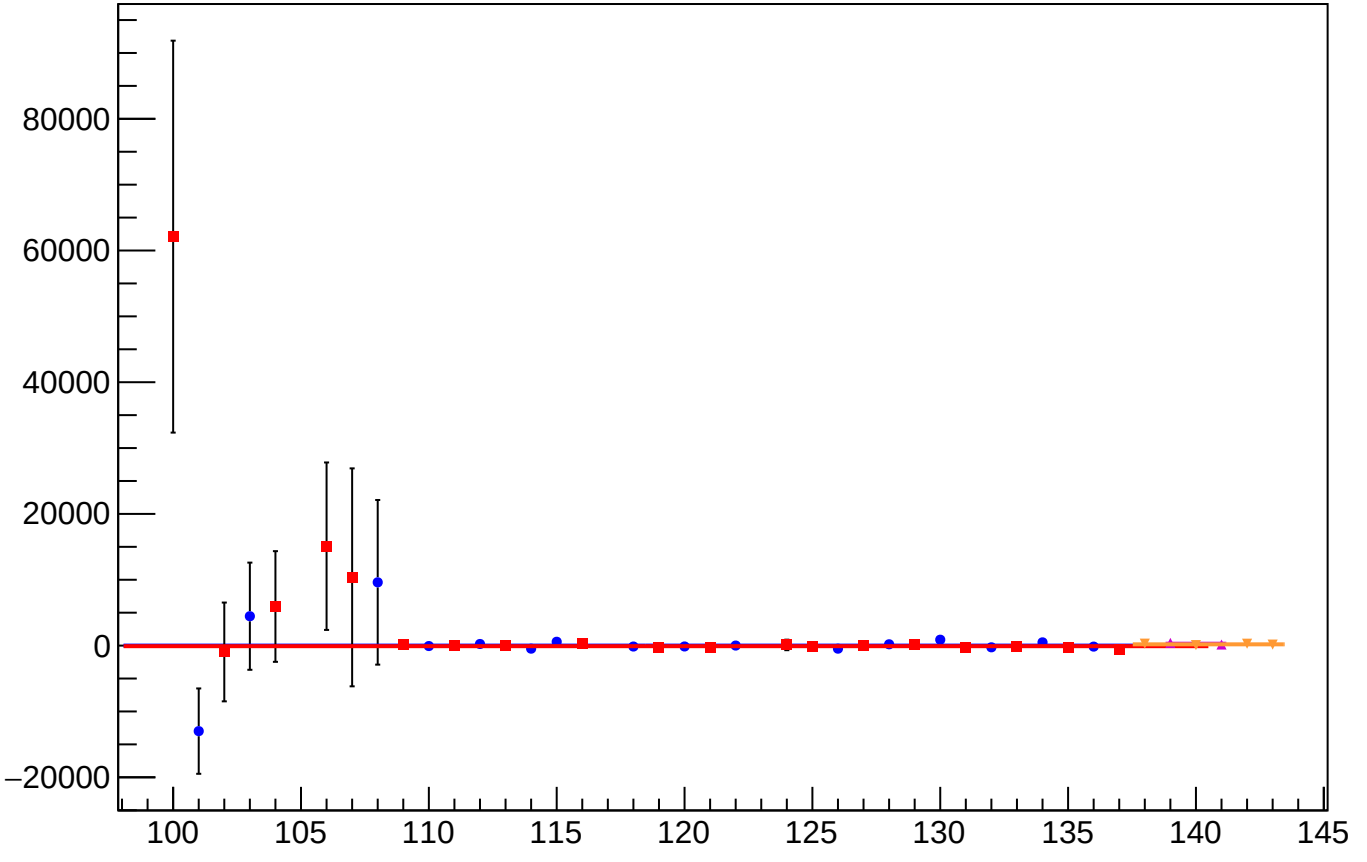
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.500+/-0.002 χ^2/NDF:15013486.4/17

Out: 2.495+/-0.001 χ^2/NDF:17130934.1/22

All: 2.497+/-0.001 χ^2/NDF: 32144424.9/40

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 193.177+/-140.419 χ^2/NDF:0.5/3

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: 233.891+/-105.977 χ^2/NDF: 1.3/5

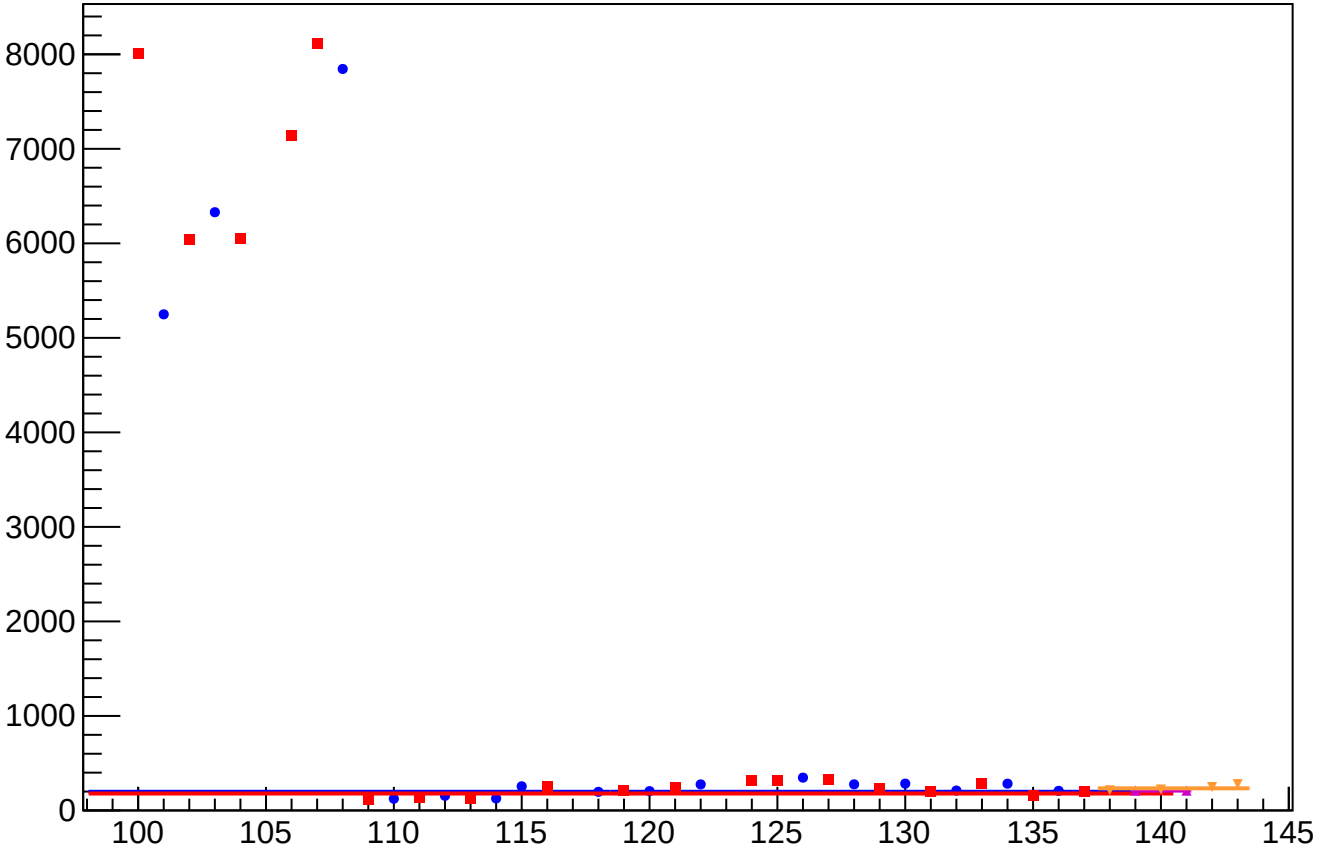
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 66.097+/-77.157 χ^2/NDF:19.9/17

Out: -17.078+/-70.555 χ^2/NDF:18.4/22

All: 20.799+/-52.068 χ^2/NDF: 38.9/40

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 233.964+/-0.099 χ^2/NDF:62758.9/3

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: 223.695+/-0.075 χ^2/NDF: 87632.4/5

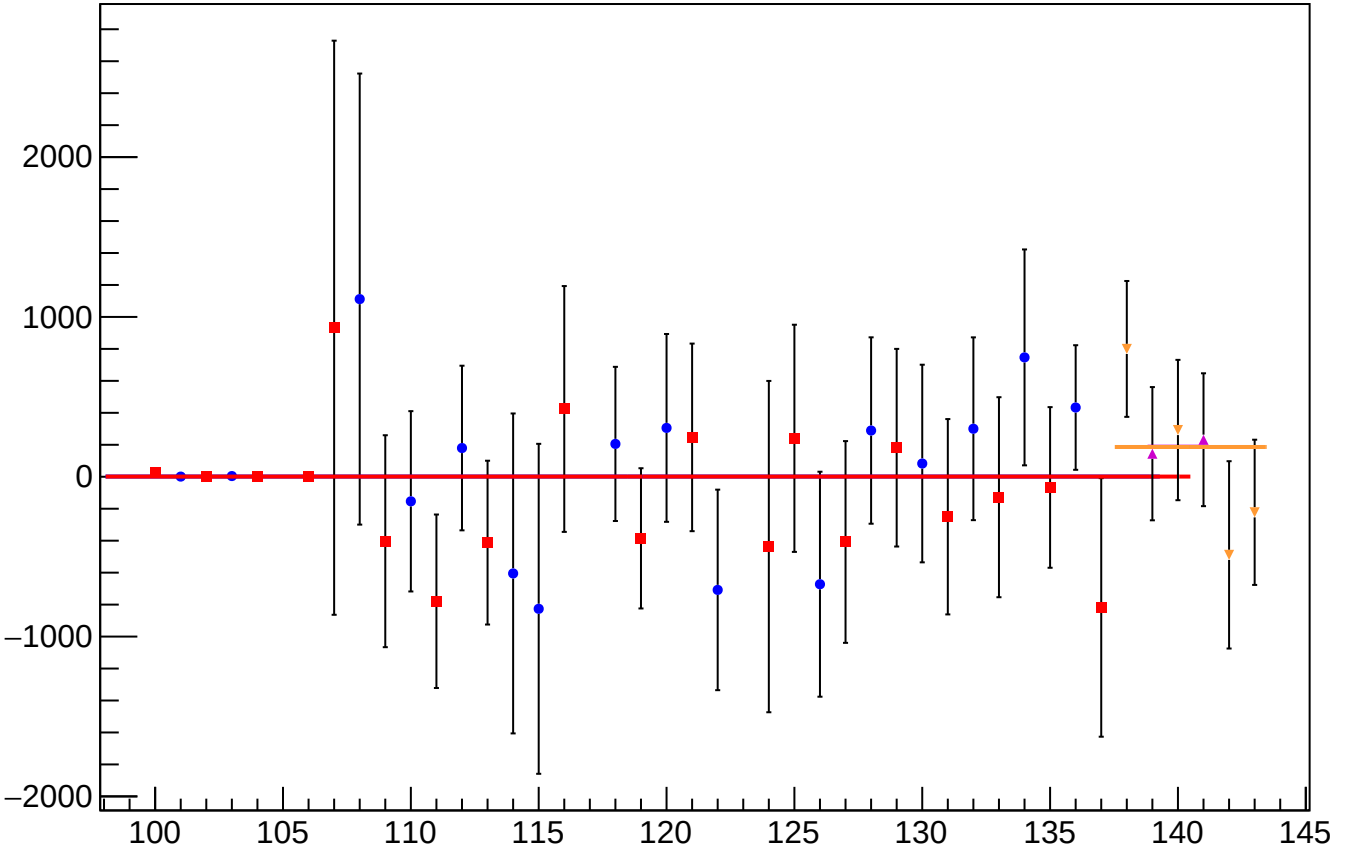
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 200.468+/-0.055 χ^2/NDF:3966432.5/17

Out: 193.063+/-0.050 χ^2/NDF:4708172.1/22

All: 196.435+/-0.037 χ^2/NDF: 8684635.3/40

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 186.259+/-232.628 χ^2/NDF:4.3/3

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: 186.973+/-182.506 χ^2/NDF: 4.3/5

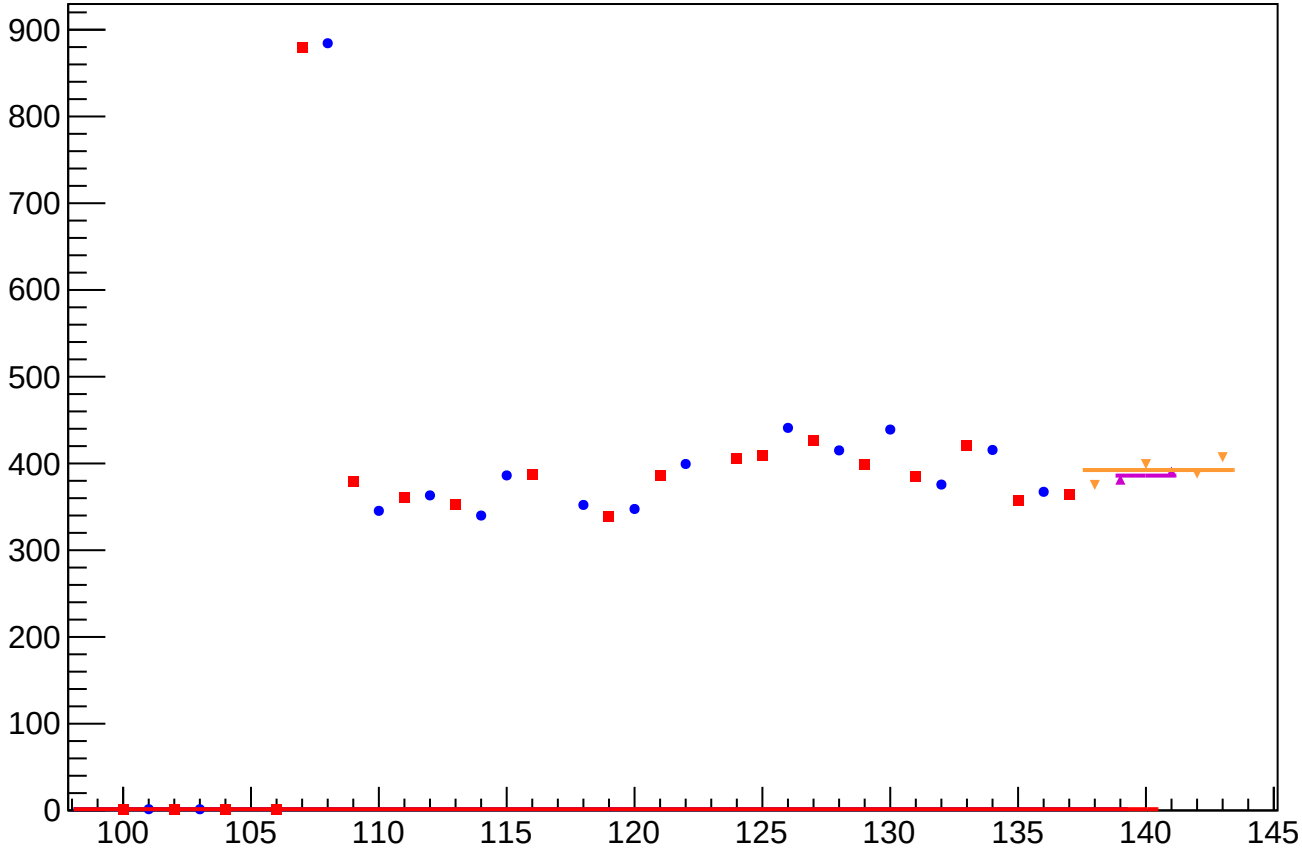
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.462+/-1.660 χ^2/NDF:8.3/17

Out: 1.102+/-1.528 χ^2/NDF:14.1/22

All: 1.267+/-1.124 χ^2/NDF: 22.4/40

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 392.423+/-0.164 χ^2/NDF:5967.6/3

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: 389.958+/-0.129 χ^2/NDF: 7049.0/5

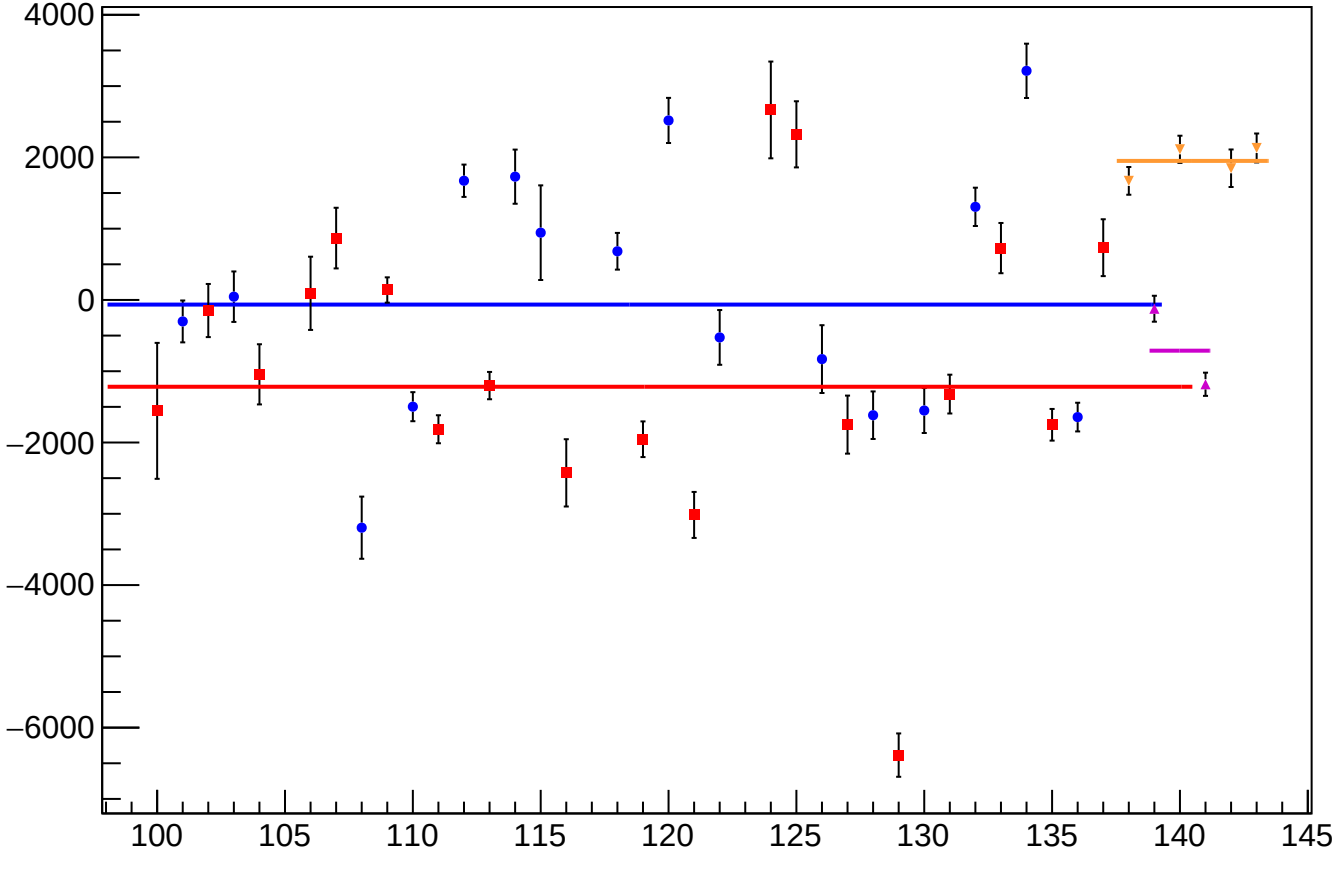
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.482+/-0.001 χ^2/NDF:15149636.1/17

Out: 1.484+/-0.001 χ^2/NDF:16925013.1/22

All: 1.483+/-0.001 χ^2/NDF: 32074650.2/40

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1950.590+/-103.897 χ^2/NDF:3.8/3

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: 824.387+/-78.919 χ^2/NDF: 300.3/5

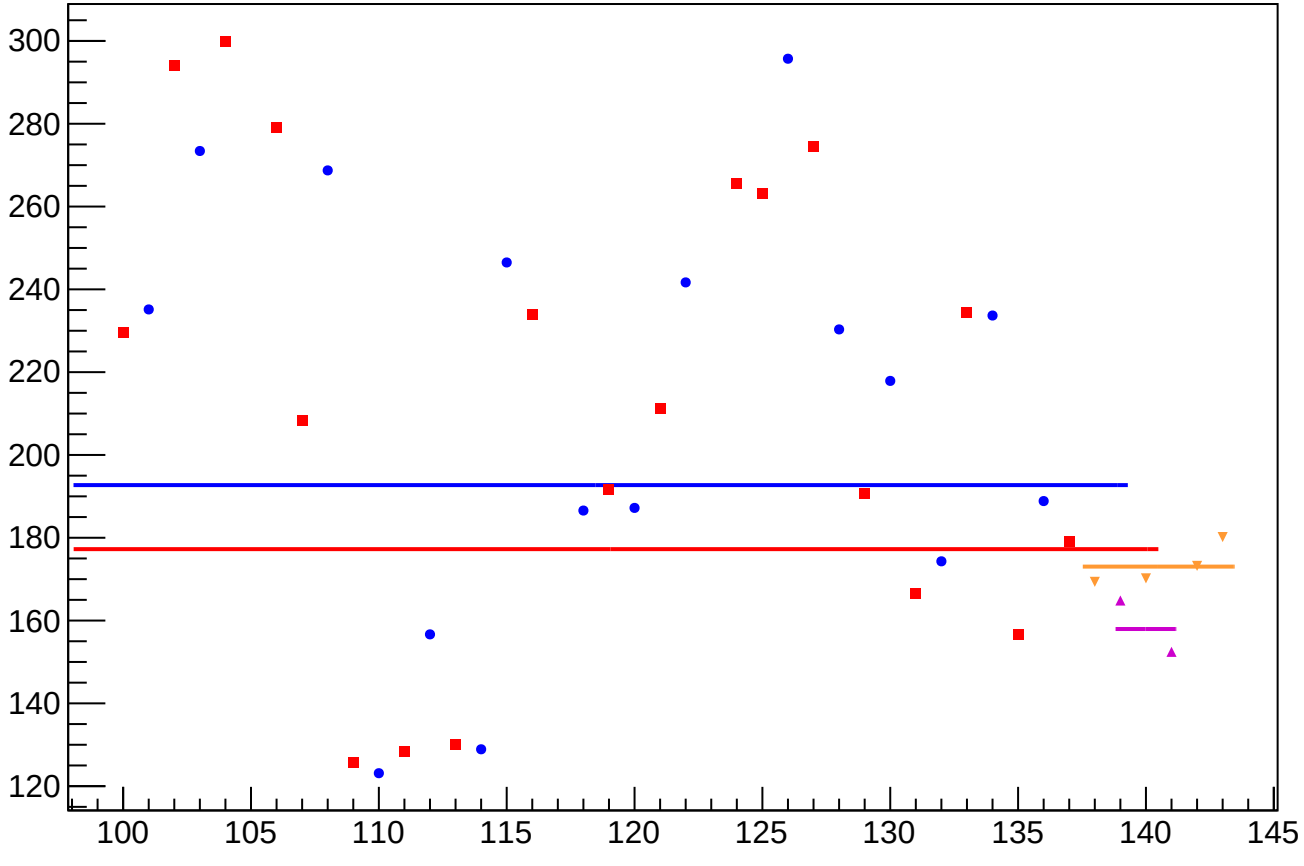
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -243.399+/-63.732 χ^2/NDF:508.9/17

Out: -247.675+/-57.492 χ^2/NDF:1243.6/22

All: -245.757+/-42.689 χ^2/NDF: 1752.5/40

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 173.033+/-0.073 χ^2/NDF:3628.8/3

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: 166.657+/-0.056 χ^2/NDF: 26589.3/5

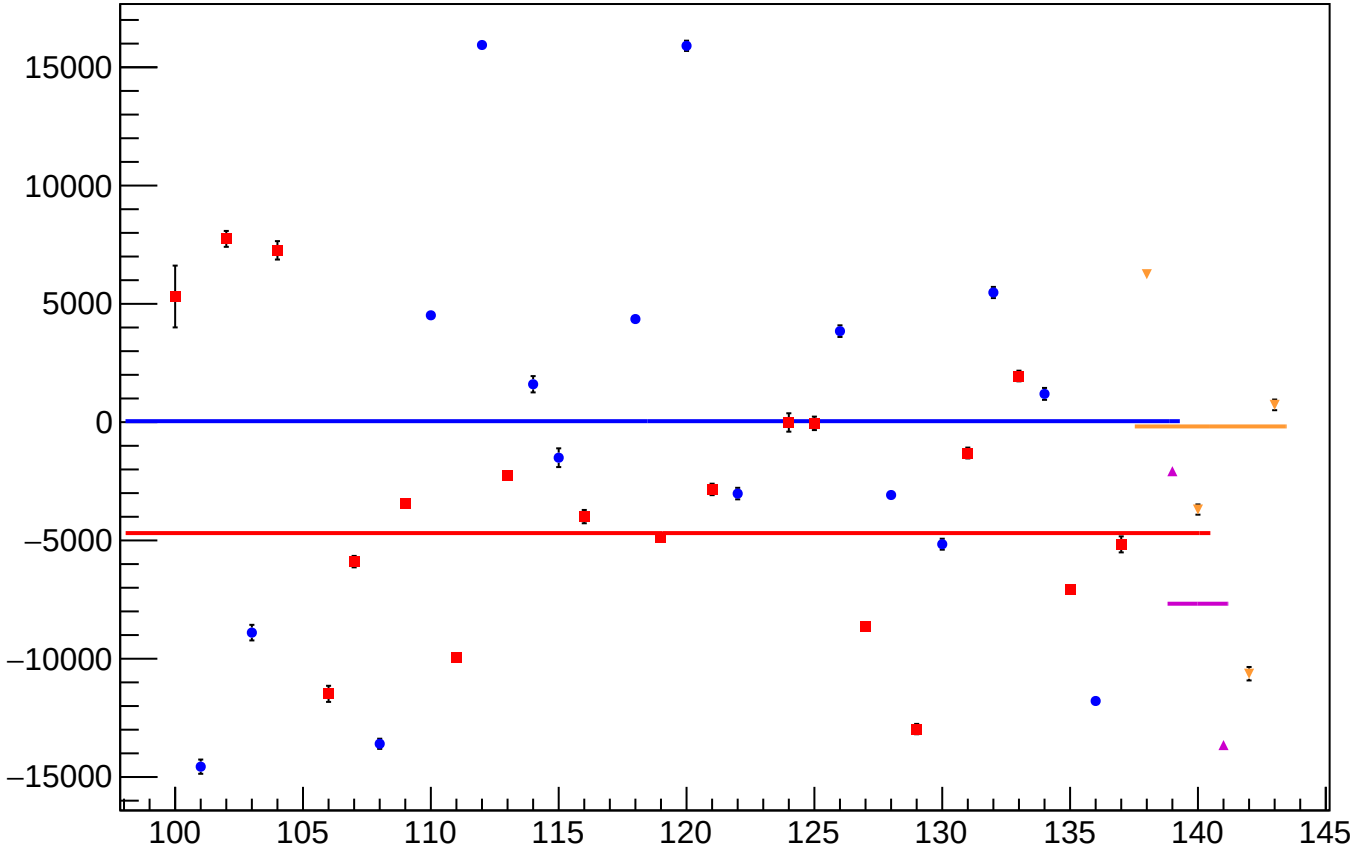
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 183.130+/-0.045 χ^2/NDF:883144.0/17

Out: 175.959+/-0.041 χ^2/NDF:1232096.7/22

All: 179.177+/-0.030 χ^2/NDF: 2129198.7/40

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -181.800+/-110.270 χ^2/NDF:2824.5/3

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: -3160.243+/-85.594 χ^2/NDF: 6475.6/5

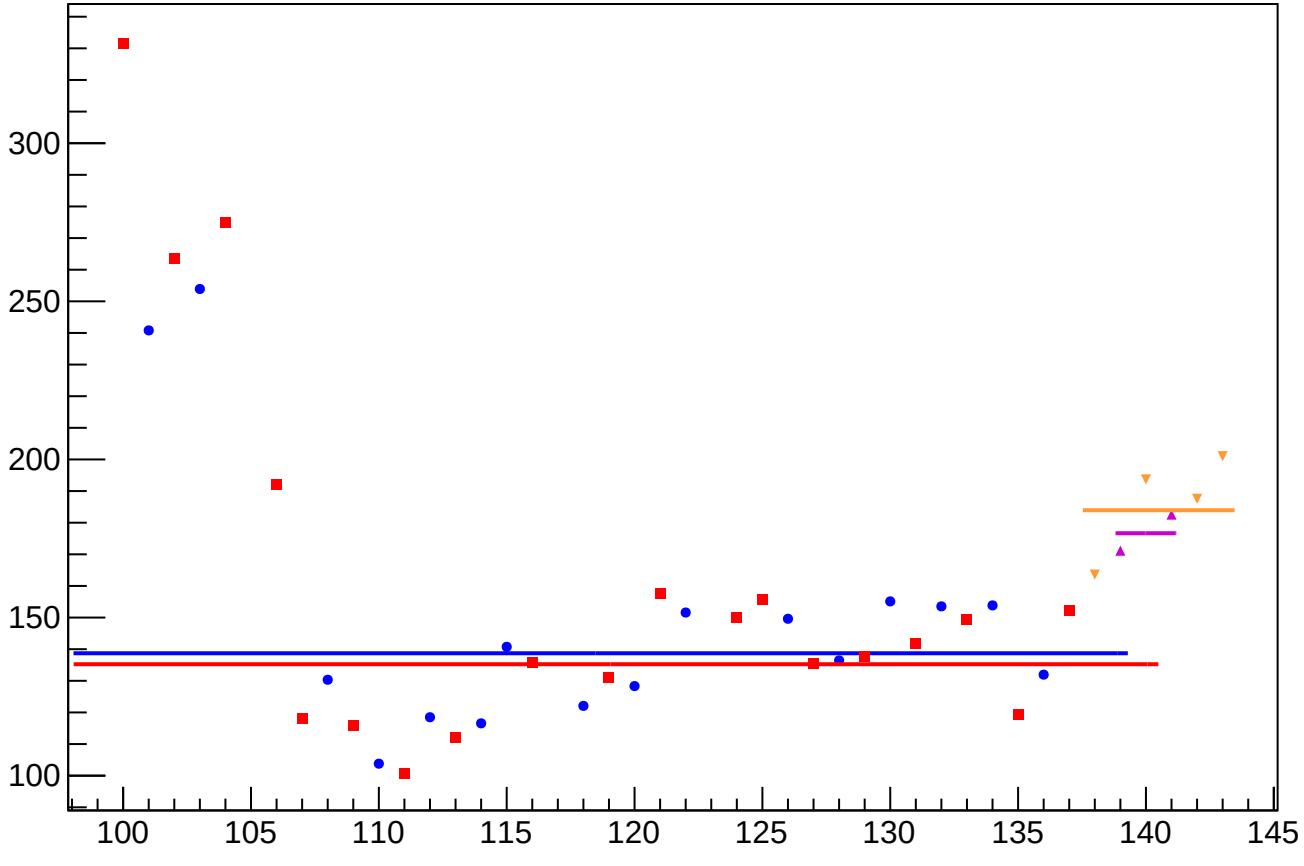
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1019.748+/-50.336 χ^2/NDF:35388.1/17

Out: -3867.160+/-47.103 χ^2/NDF:11986.4/22

All: -2537.825+/-34.393 χ^2/NDF: 49080.6/40

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 183.941+/-0.078 χ^2/NDF:39822.2/3

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: 181.052+/-0.061 χ^2/NDF: 46804.0/5

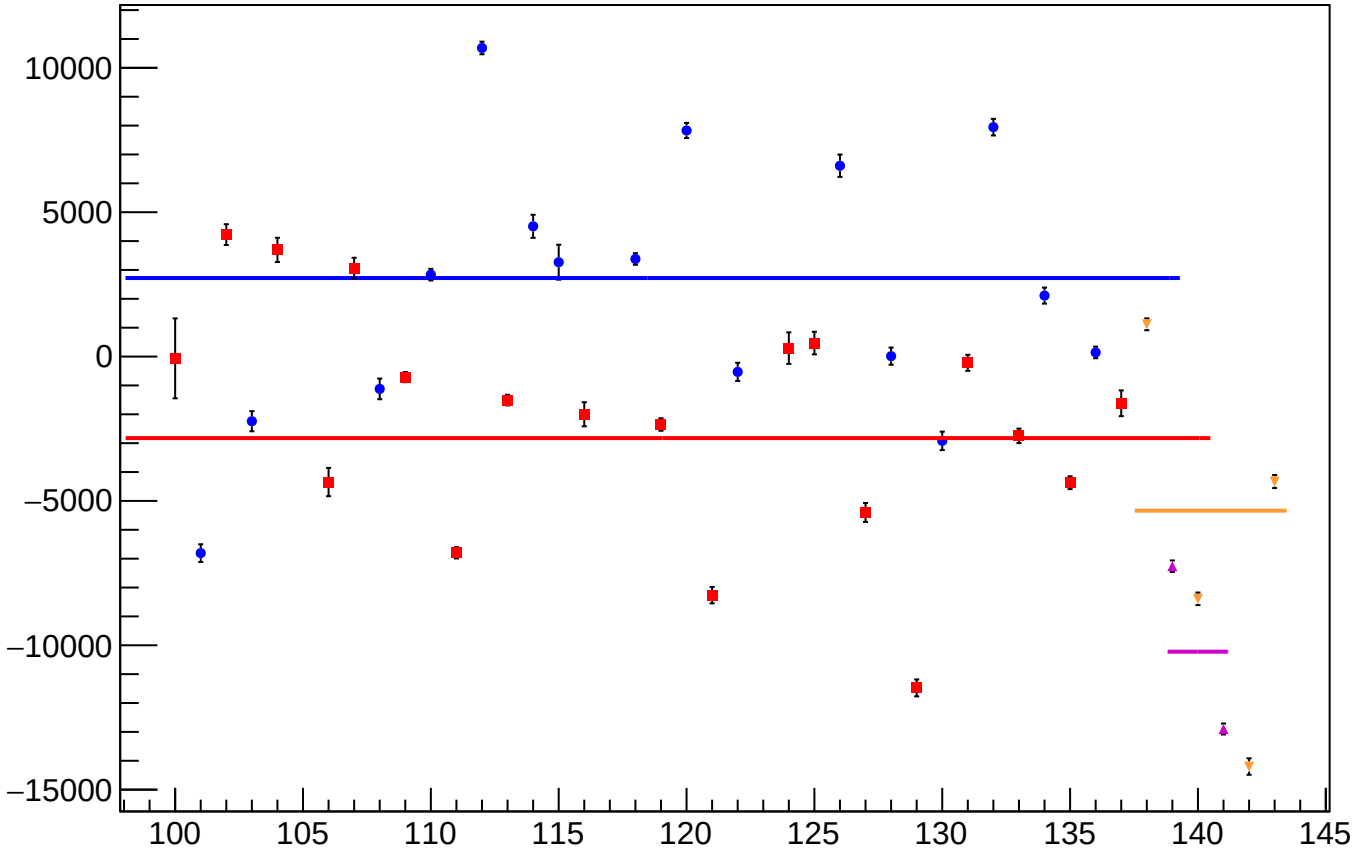
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 143.930+/-0.036 χ^2/NDF:796178.7/17

Out: 144.131+/-0.033 χ^2/NDF:1248717.5/22

All: 144.037+/-0.024 χ^2/NDF: 2044913.2/40

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5336.550+/-114.430 χ^2/NDF:2165.0/3

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: -7337.310+/-87.928 χ^2/NDF: 3331.5/5

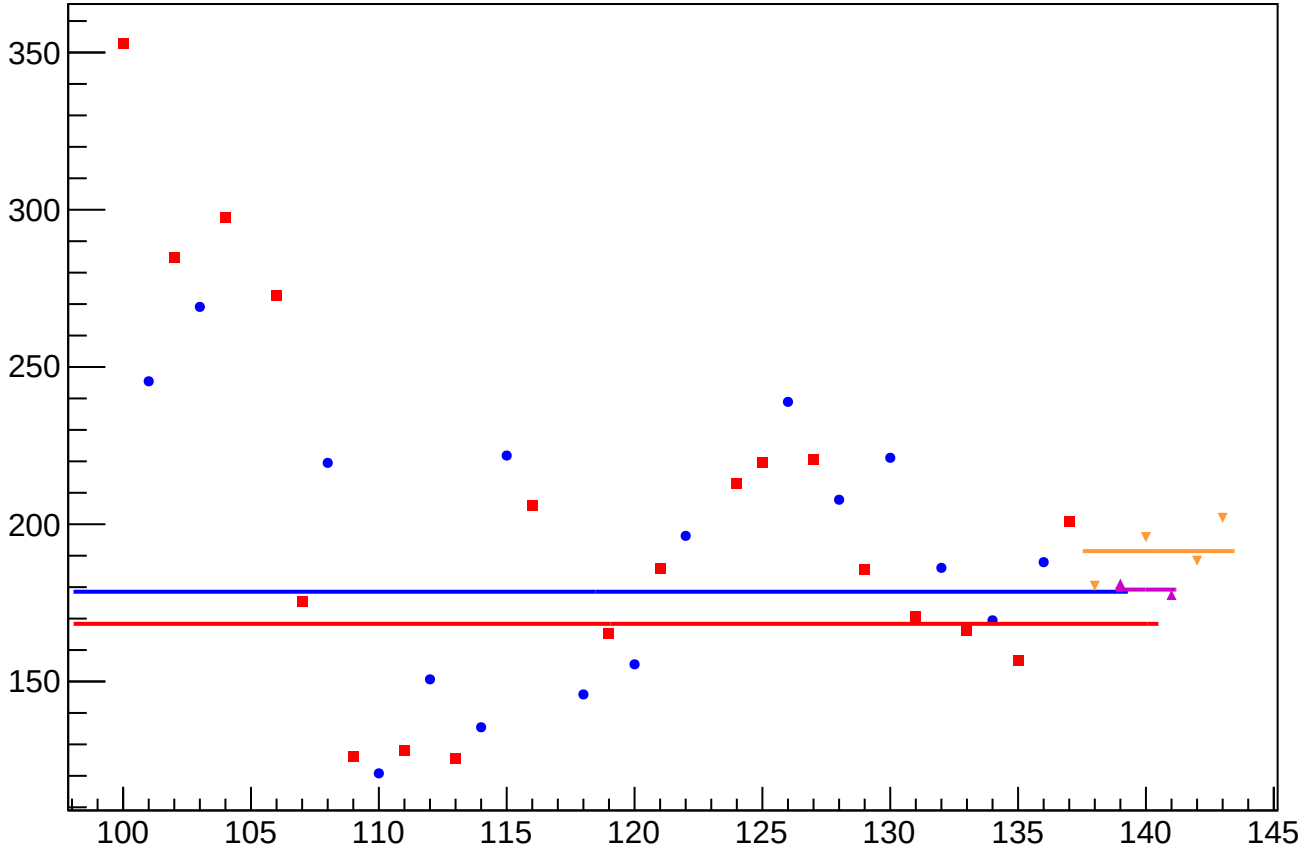
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 98.408+/-61.837 χ^2/NDF:11624.4/17

Out: -3434.549+/-56.420 χ^2/NDF:5592.8/22

All: -1829.574+/-41.679 χ^2/NDF: 18998.6/40

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 191.455+/-0.081 χ^2/NDF:11182.8/3

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: 186.444+/-0.062 χ^2/NDF: 20882.6/5

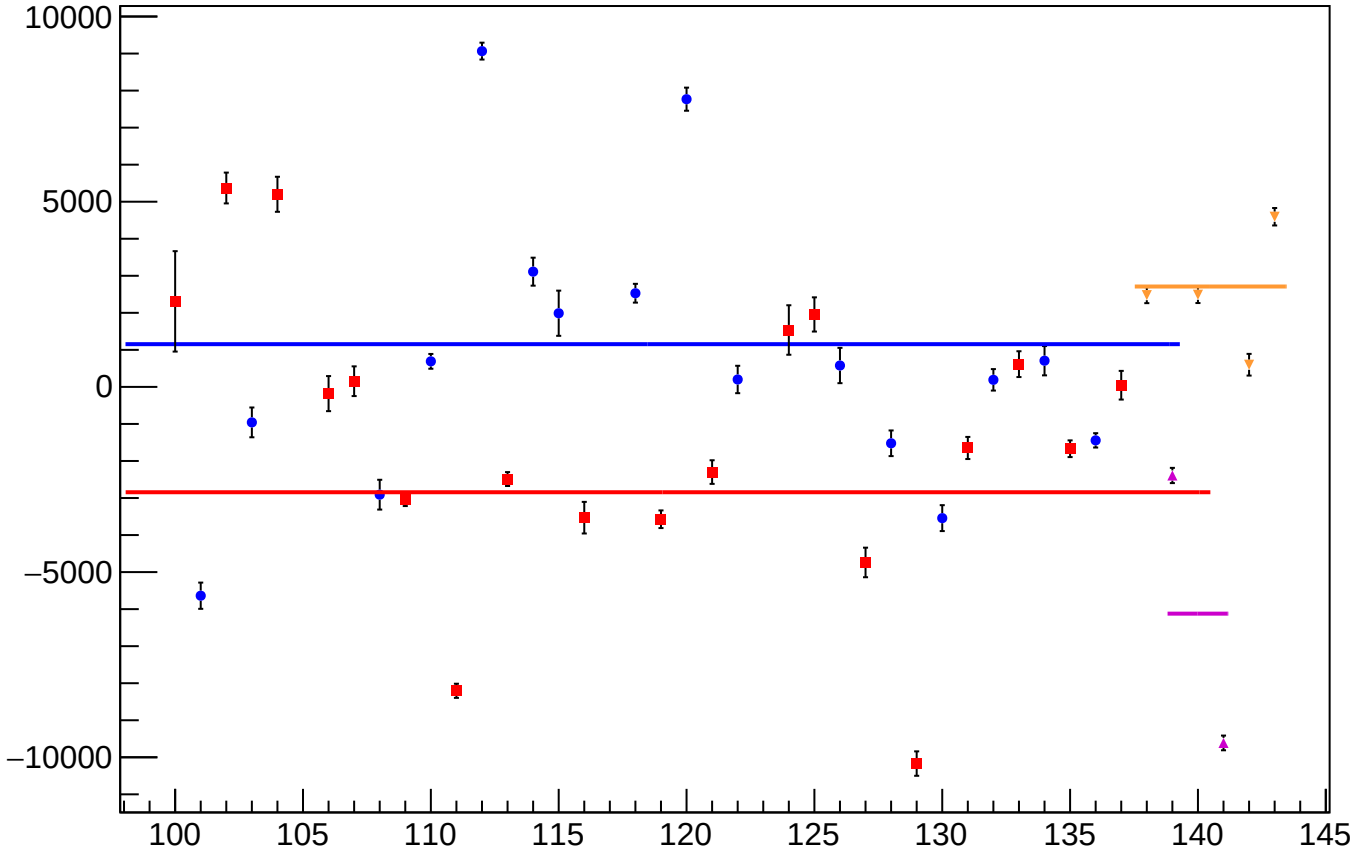
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.679+/-0.044 χ^2/NDF:674942.0/17

Out: 173.955+/-0.040 χ^2/NDF:1052465.1/22

All: 176.101+/-0.029 χ^2/NDF: 1733775.7/40

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2710.363+/-118.765 χ^2/NDF:118.1/3

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: -899.721+/-91.322 χ^2/NDF: 3016.8/5

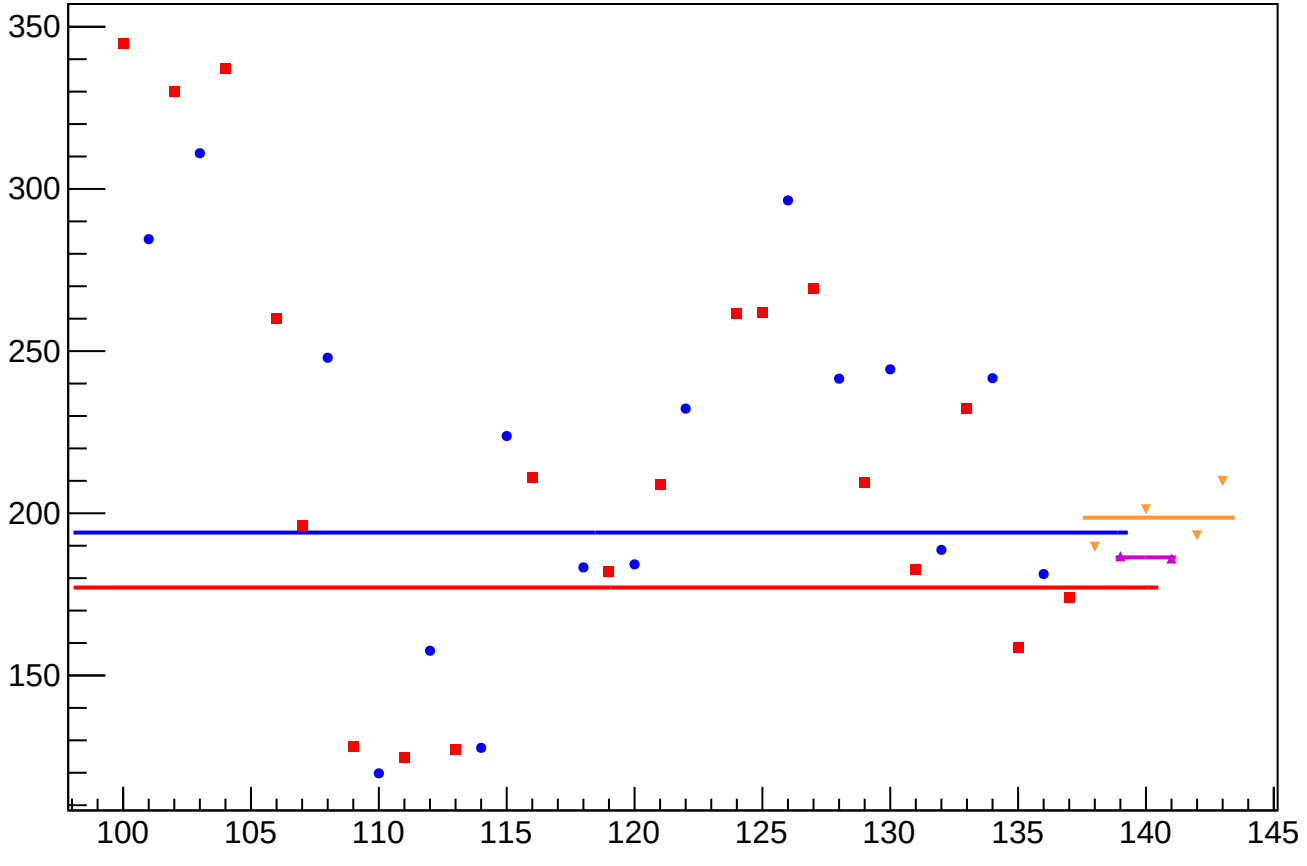
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -449.992+/-67.064 χ^2/NDF:5316.0/17

Out: -1438.010+/-59.752 χ^2/NDF:4204.8/22

All: -1000.787+/-44.613 χ^2/NDF: 9641.8/40

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 198.647+/-0.084 χ^2/NDF:9005.0/3

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: 193.644+/-0.065 χ^2/NDF: 17699.9/5

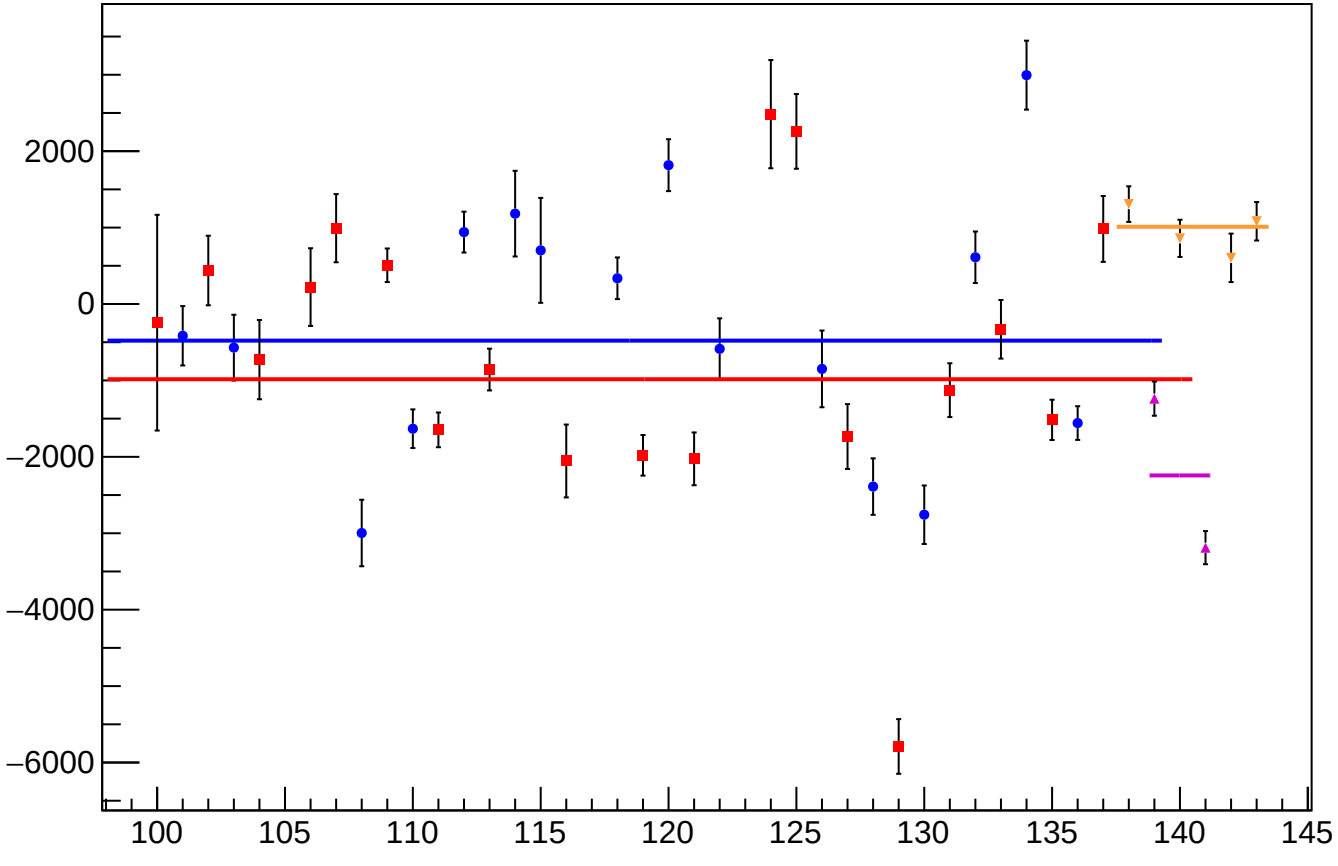
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.368+/-0.047 χ^2/NDF:970264.9/17

Out: 182.565+/-0.042 χ^2/NDF:1417451.4/22

All: 186.903+/-0.032 χ^2/NDF: 2411535.3/40

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1010.455+/-128.008 χ^2/NDF:3.7/3

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: -302.033+/-98.876 χ^2/NDF: 303.5/5

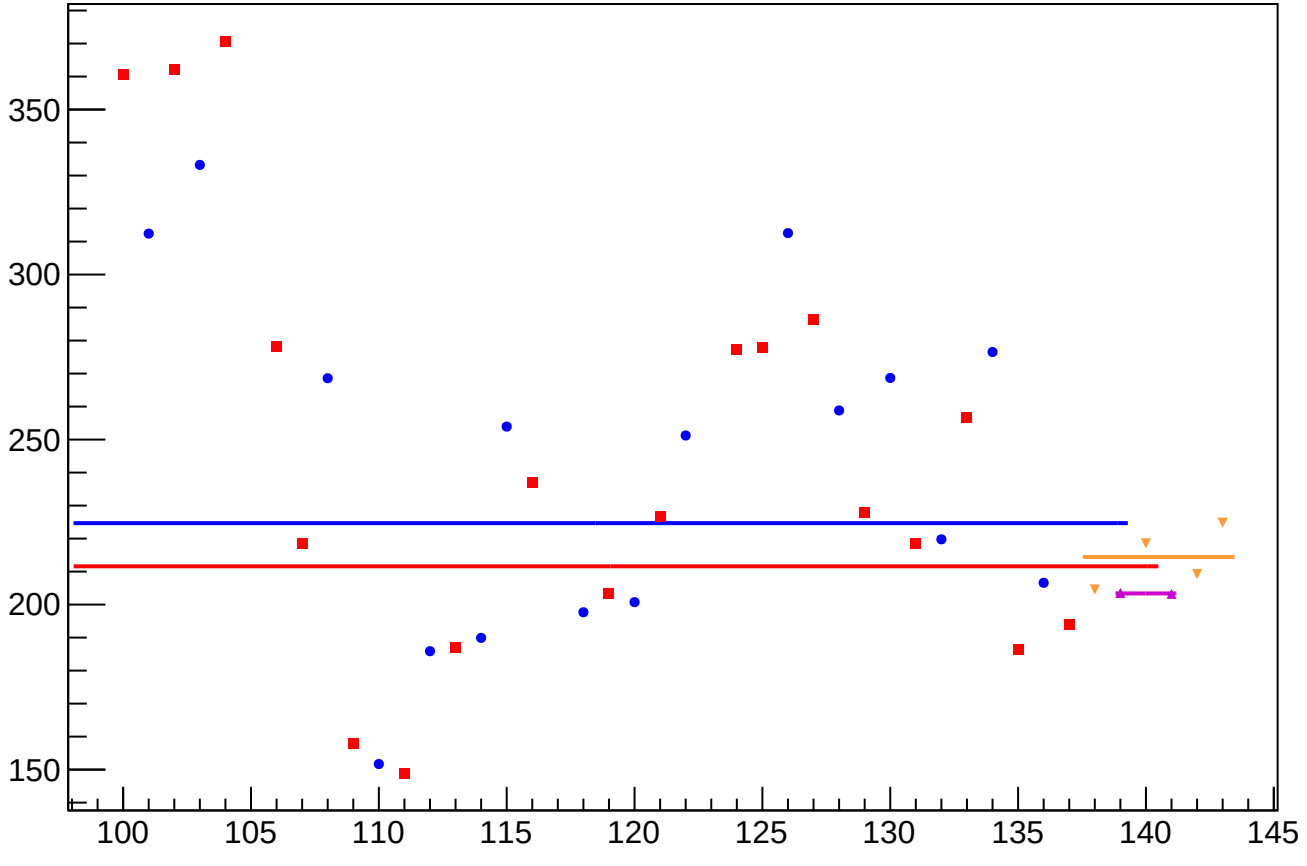
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -896.783+/-75.736 χ^2/NDF:442.6/17

Out: -414.653+/-68.415 χ^2/NDF:575.4/22

All: -631.294+/-50.768 χ^2/NDF: 1040.3/40

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 214.431+/-0.091 χ^2/NDF:8094.6/3

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: 209.976+/-0.070 χ^2/NDF: 14102.4/5

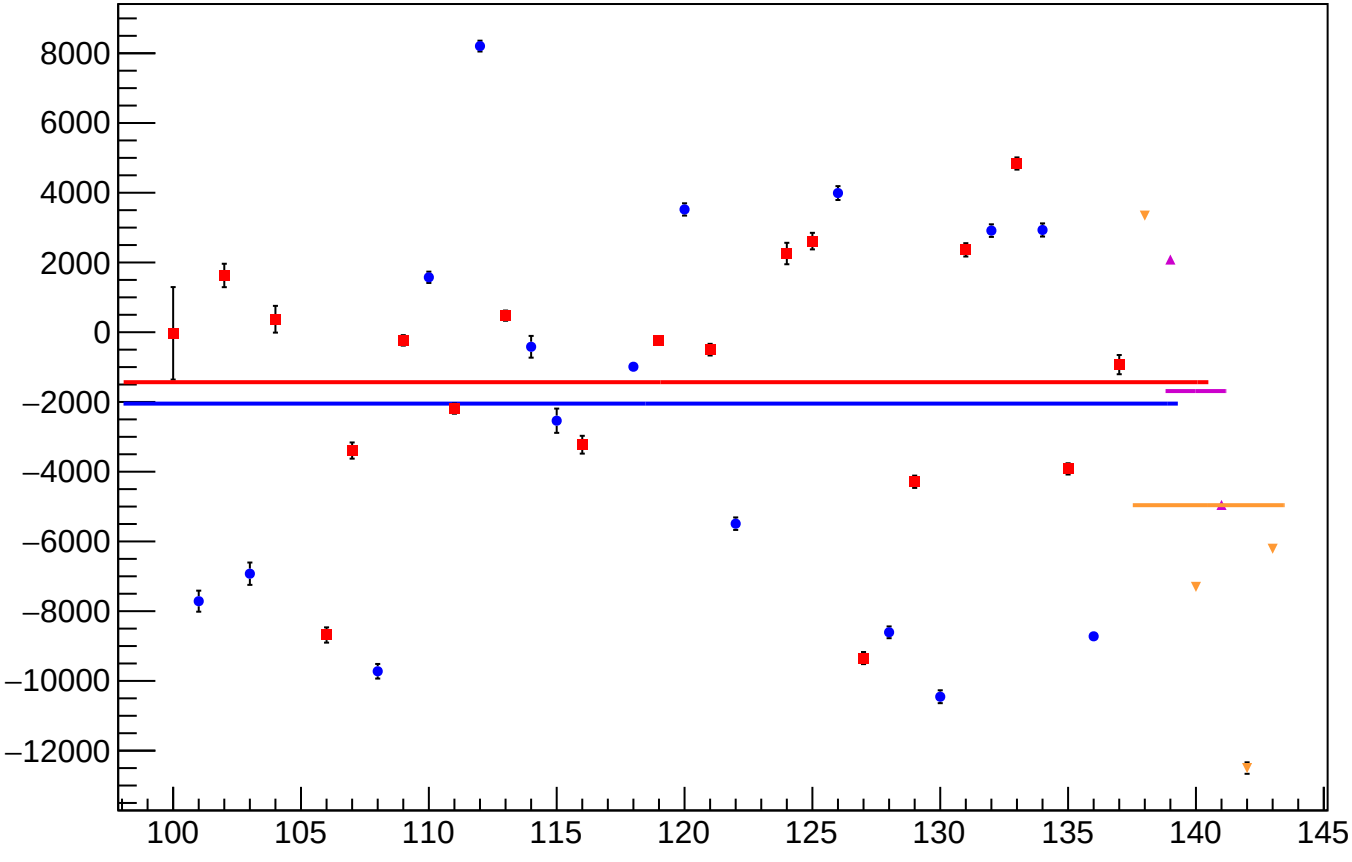
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.642+/-0.054 χ^2/NDF:681764.9/17

Out: 212.405+/-0.048 χ^2/NDF:941698.4/22

All: 215.657+/-0.036 χ^2/NDF: 1633520.4/40

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4960.490+/-65.950 χ^2/NDF:6786.1/3

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: -3752.202+/-52.380 χ^2/NDF: 9352.5/5

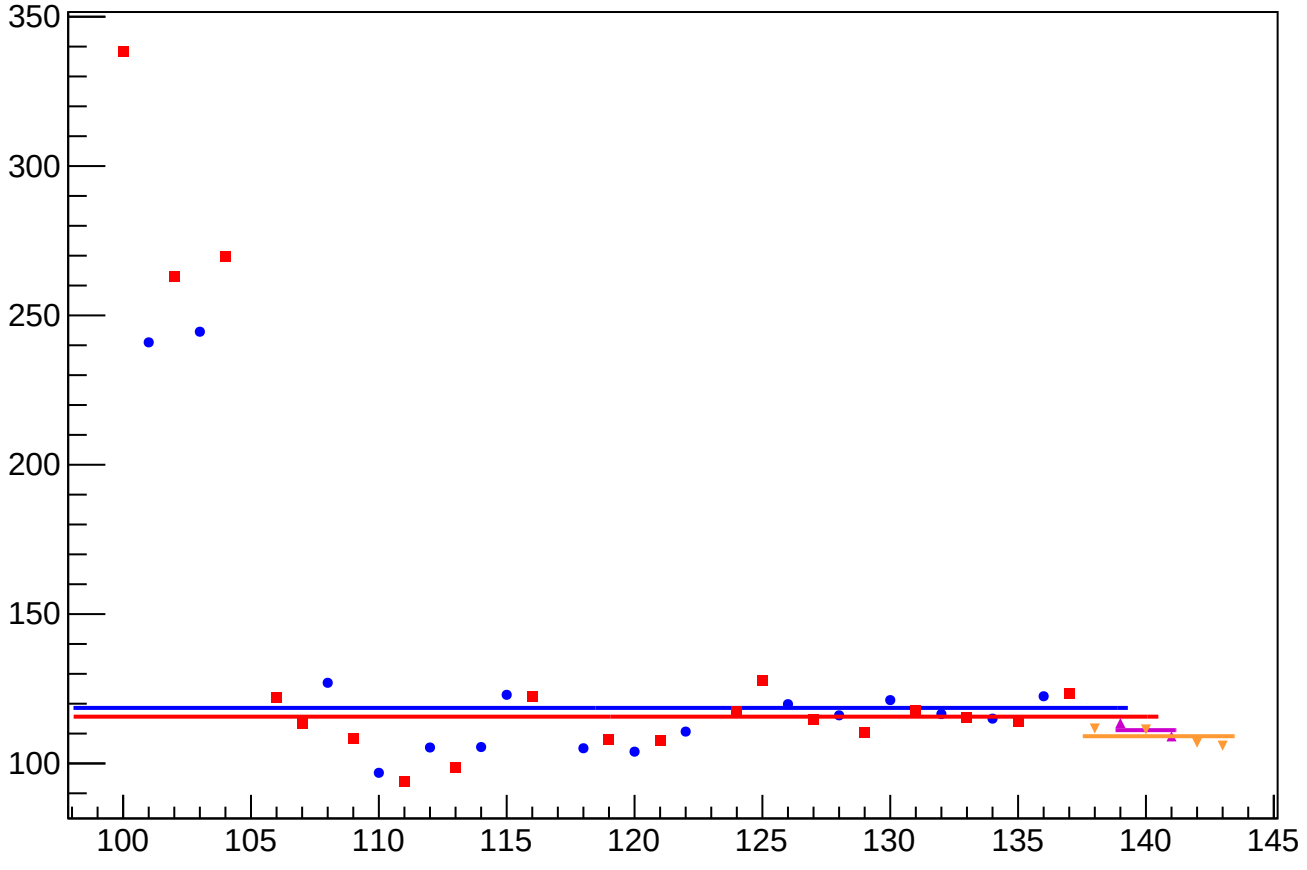
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -1965.608+/-41.077 χ^2/NDF:18379.8/17

Out: -2544.331+/-37.018 χ^2/NDF:15133.5/22

All: -2284.967+/-27.499 χ^2/NDF: 33622.8/40

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 109.113+/-0.047 χ^2/NDF:3199.0/3

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: 109.864+/-0.037 χ^2/NDF: 5245.0/5

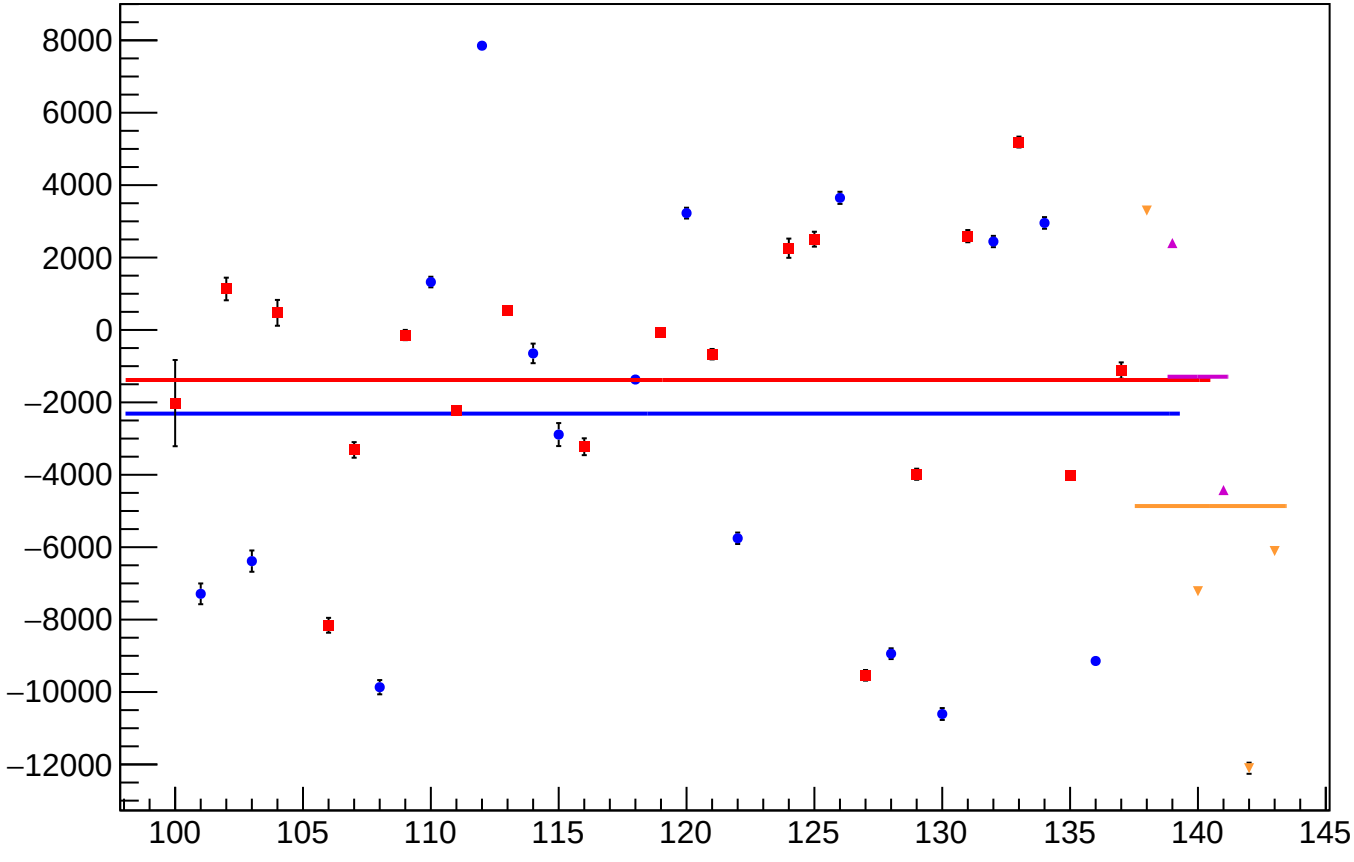
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.904+/-0.029 χ^2/NDF:747049.3/17

Out: 113.597+/-0.026 χ^2/NDF:880902.3/22

All: 115.079+/-0.019 χ^2/NDF: 1635106.0/40

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4863.364+/-59.934 χ^2/NDF:7647.3/3

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: -3510.363+/-47.237 χ^2/NDF: 10954.5/5

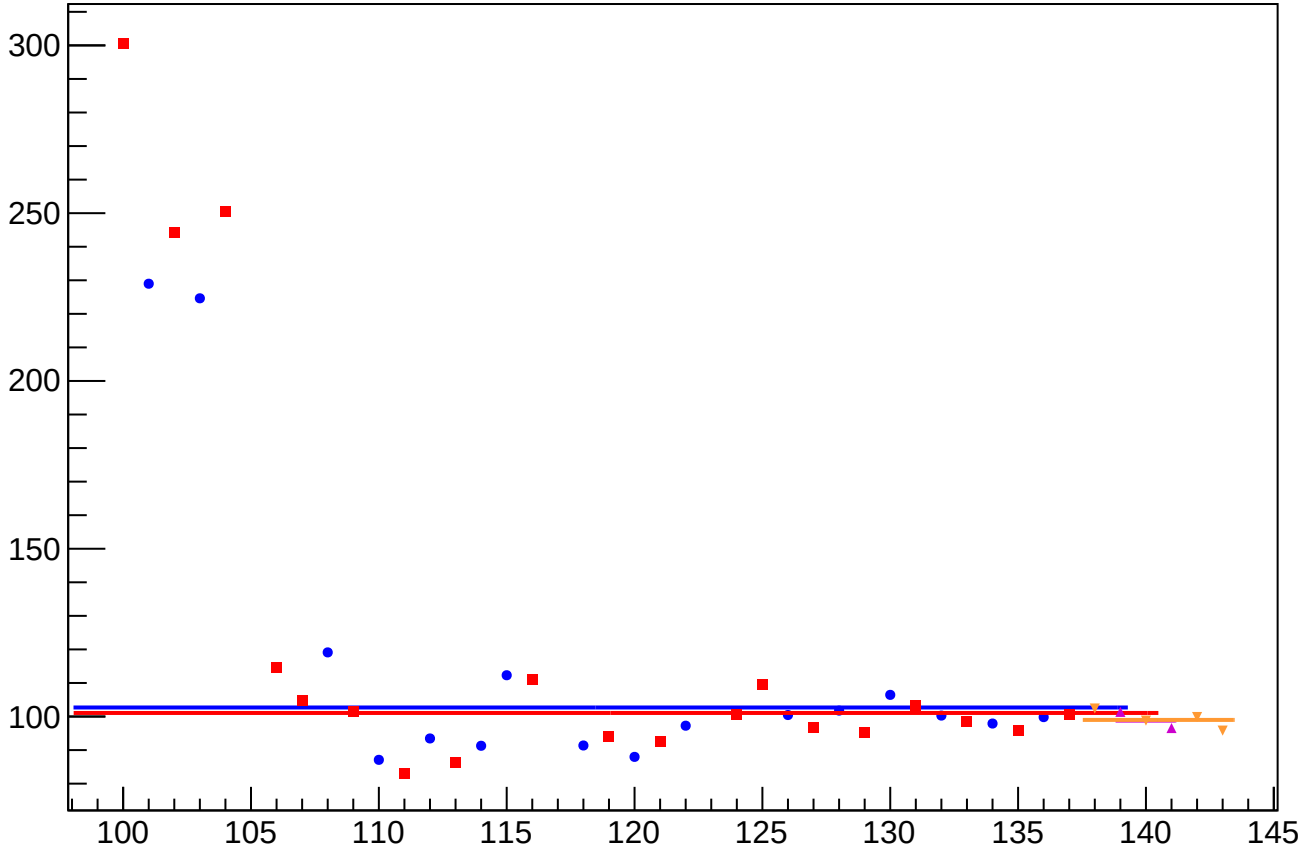
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -2086.633+/-35.981 χ^2/NDF:23778.8/17

Out: -2430.484+/-32.889 χ^2/NDF:18584.0/22

All: -2273.964+/-24.276 χ^2/NDF: 42412.5/40

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 98.990+/-0.042 χ^2/NDF:3478.9/3

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: 98.912+/-0.033 χ^2/NDF: 5445.2/5

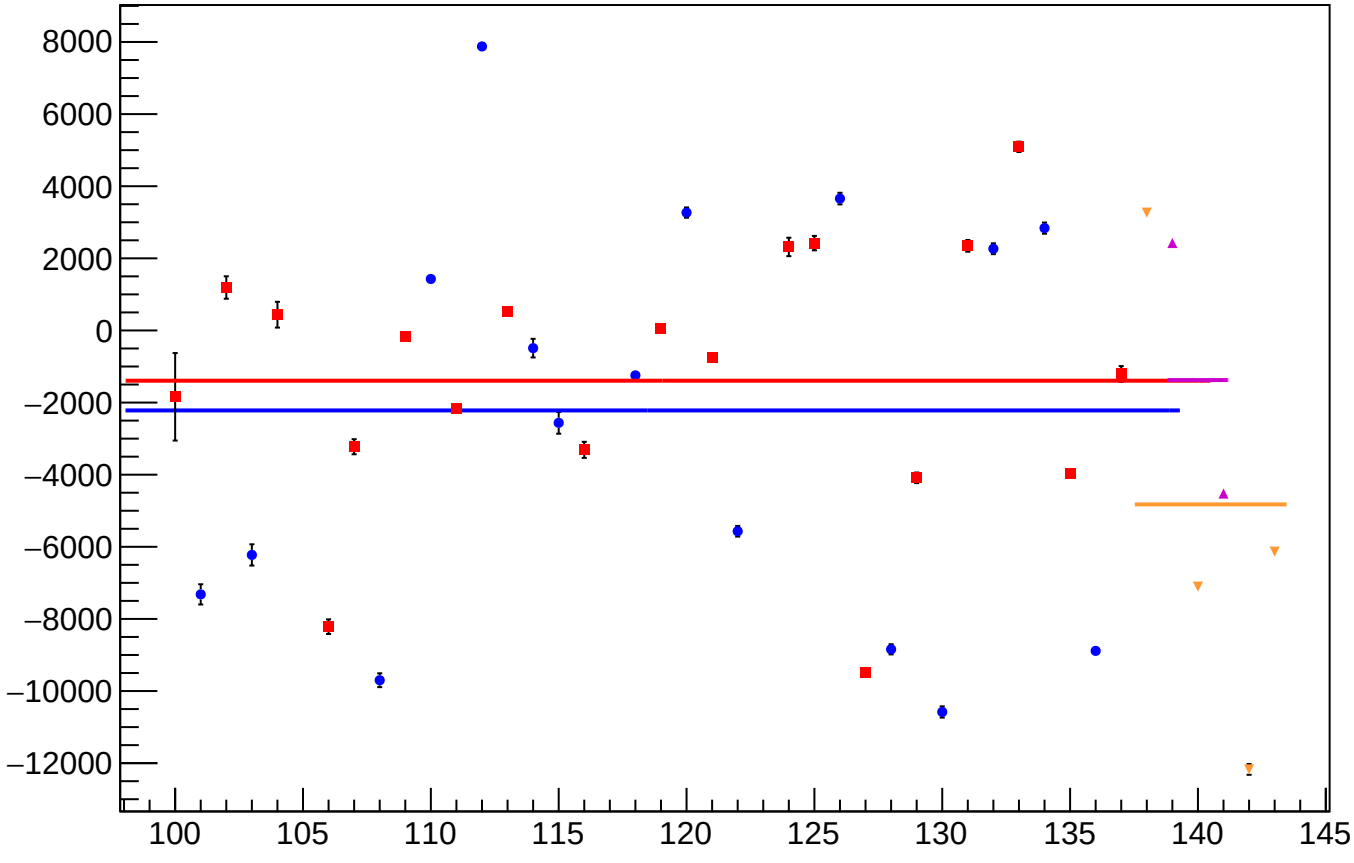
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 101.834+/-0.025 χ^2/NDF:831808.2/17

Out: 100.439+/-0.023 χ^2/NDF:935609.5/22

All: 101.074+/-0.017 χ^2/NDF: 1769056.6/40

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4824.123+/-58.028 χ^2/NDF:8174.8/3

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: -3511.825+/-45.669 χ^2/NDF: 11701.0/5

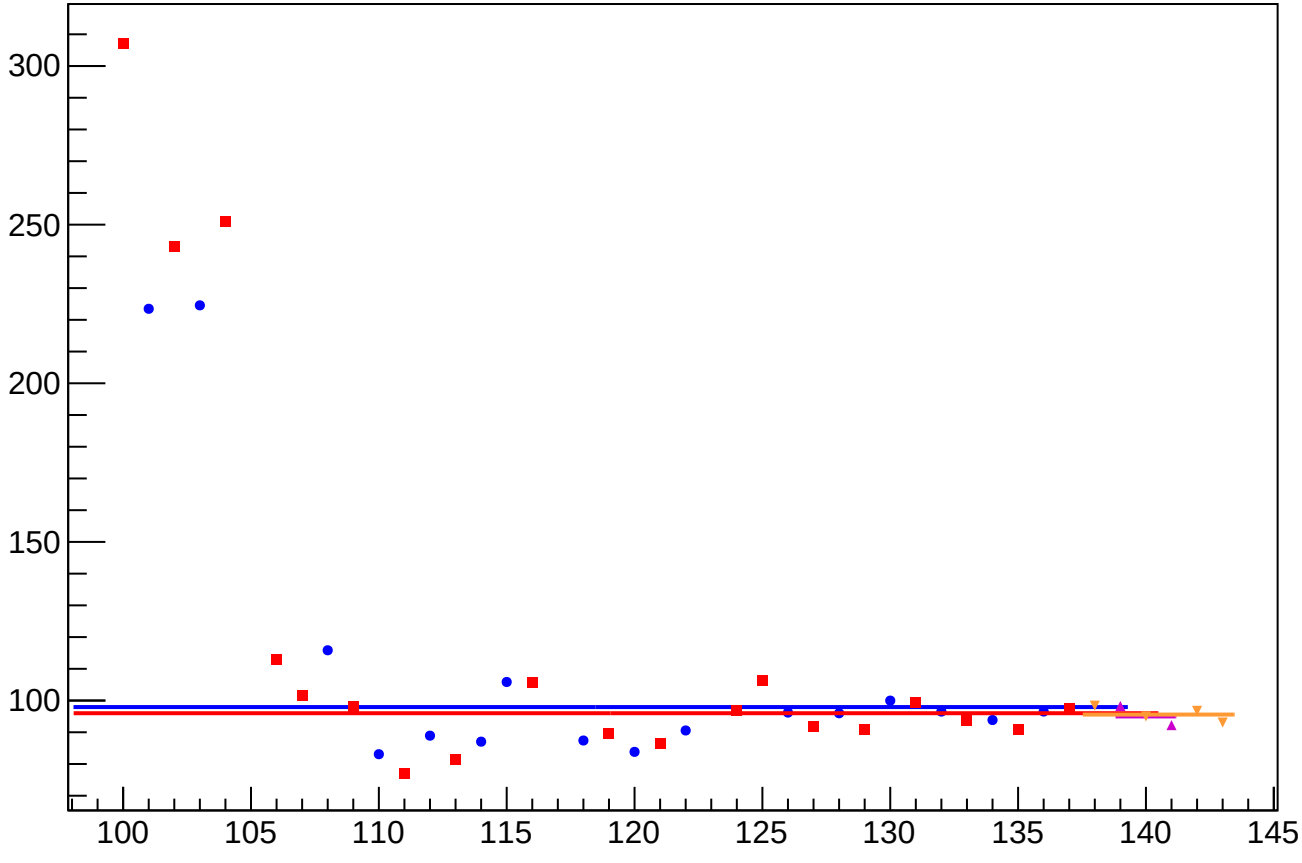
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -2034.864+/-34.531 χ^2/NDF:25324.4/17

Out: -2407.214+/-31.543 χ^2/NDF:19789.3/22

All: -2237.845+/-23.289 χ^2/NDF: 45177.0/40

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 95.580+/-0.041 χ^2/NDF:2554.8/3

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: 95.354+/-0.032 χ^2/NDF: 5921.0/5

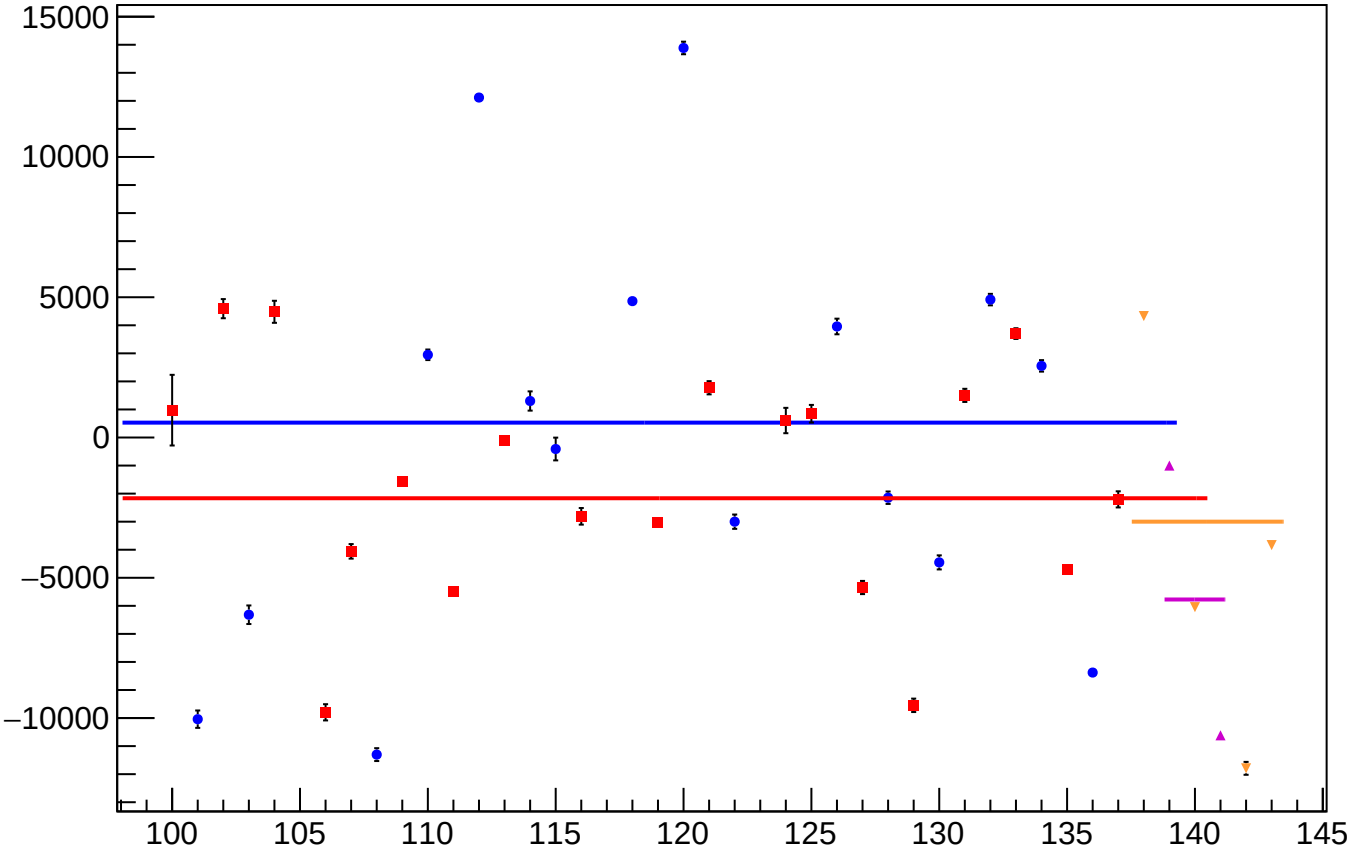
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 97.300+/-0.024 χ^2/NDF:873931.4/17

Out: 95.879+/-0.022 χ^2/NDF:1014917.2/22

All: 96.526+/-0.016 χ^2/NDF: 1890694.7/40

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2999.489+/-87.537 χ^2/NDF:4015.0/3

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: -4047.980+/-69.042 χ^2/NDF: 6227.0/5

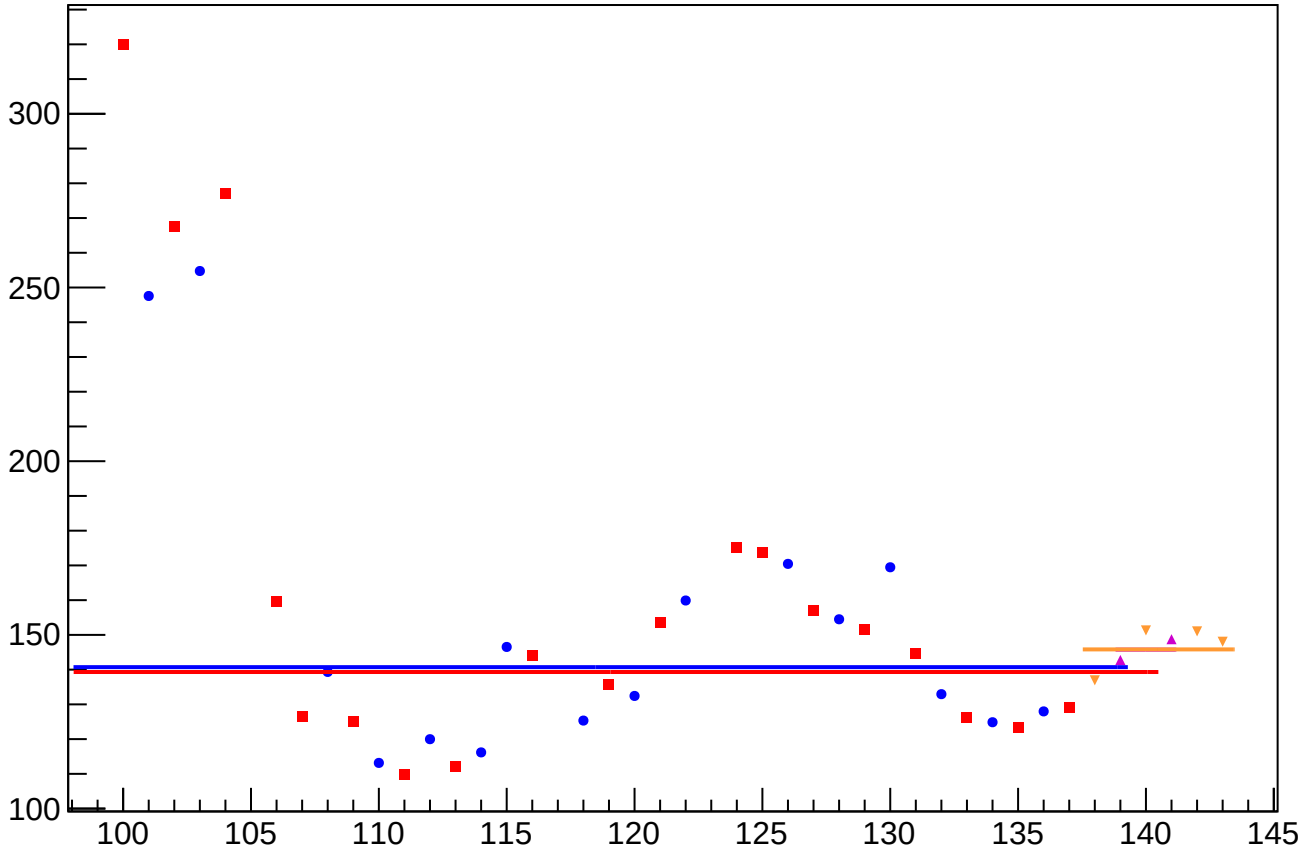
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -683.749+/-49.290 χ^2/NDF:22964.2/17

Out: -2391.675+/-45.623 χ^2/NDF:9048.3/22

All: -1603.585+/-33.482 χ^2/NDF: 32659.2/40

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 145.823+/-0.062 χ^2/NDF:9948.9/3

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: 145.795+/-0.049 χ^2/NDF: 11368.6/5

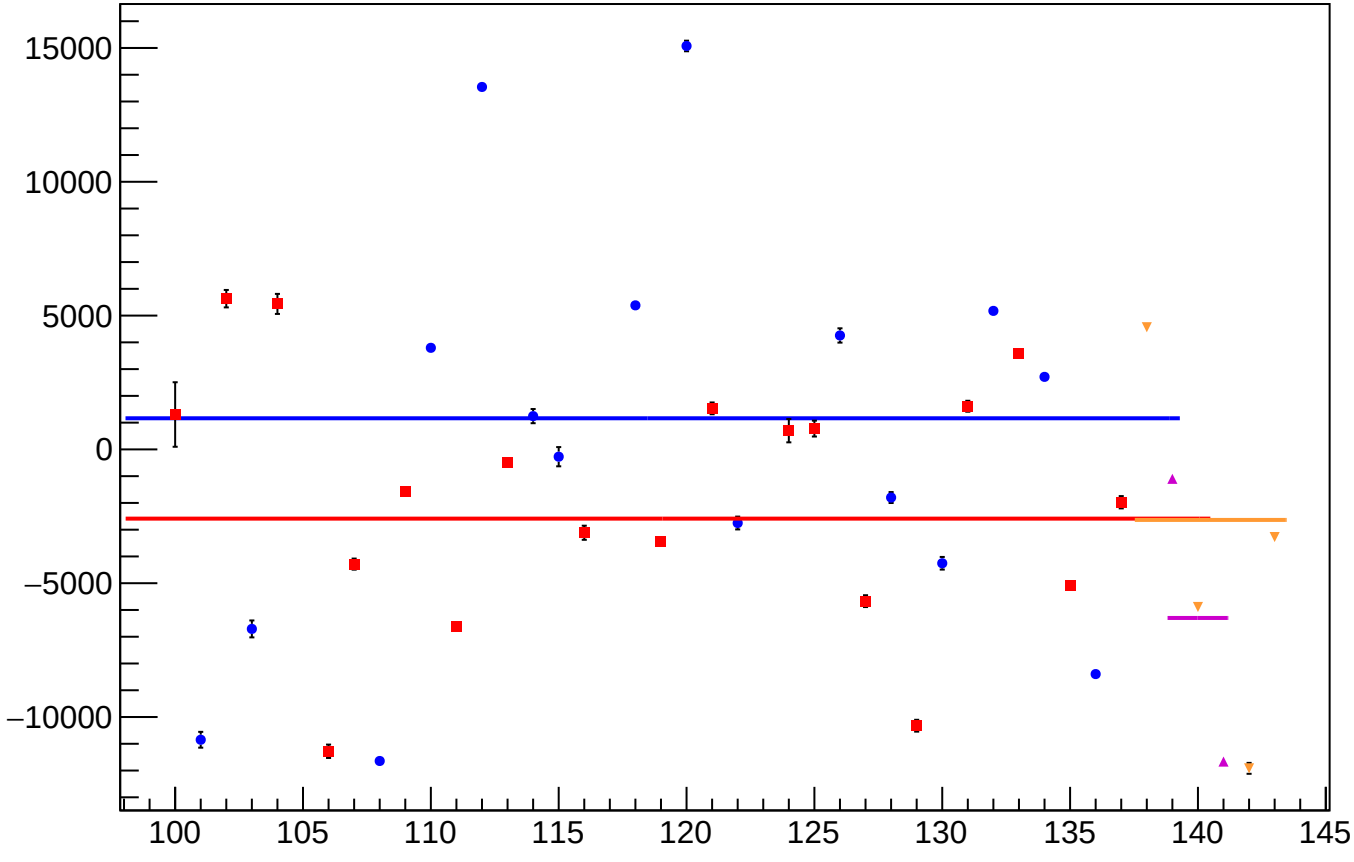
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 141.685+/-0.035 χ^2/NDF:680282.3/17

Out: 141.084+/-0.032 χ^2/NDF:820311.6/22

All: 141.361+/-0.024 χ^2/NDF: 1500753.9/40

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2635.239+/-76.804 χ^2/NDF:5432.0/3

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: -4045.853+/-60.228 χ^2/NDF: 9270.0/5

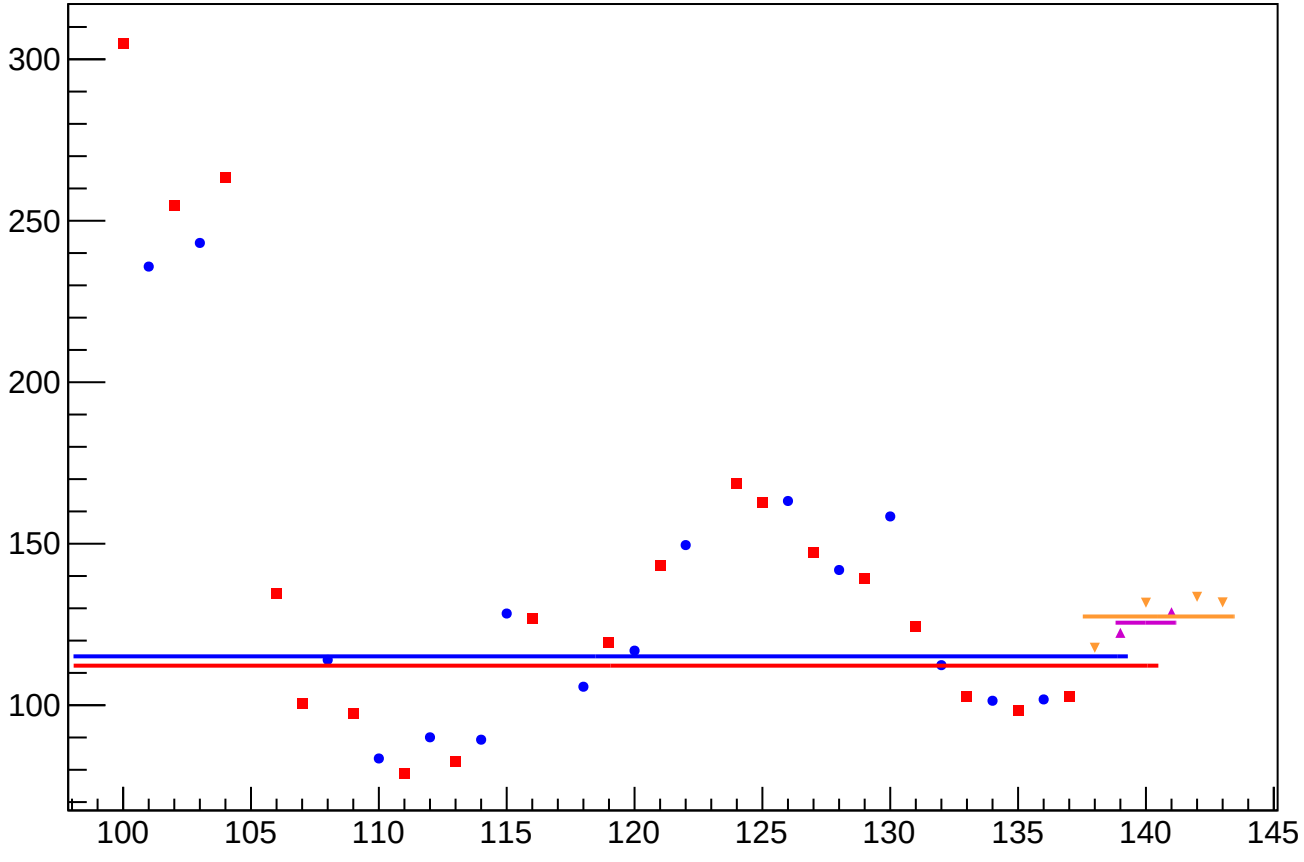
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -202.218+/-41.516 χ^2/NDF:38545.0/17

Out: -2598.840+/-38.346 χ^2/NDF:13532.0/22

All: -1495.525+/-28.169 χ^2/NDF: 53875.3/40

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 127.467+/-0.054 χ^2/NDF:15511.2/3

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: 126.728+/-0.043 χ^2/NDF: 18150.8/5

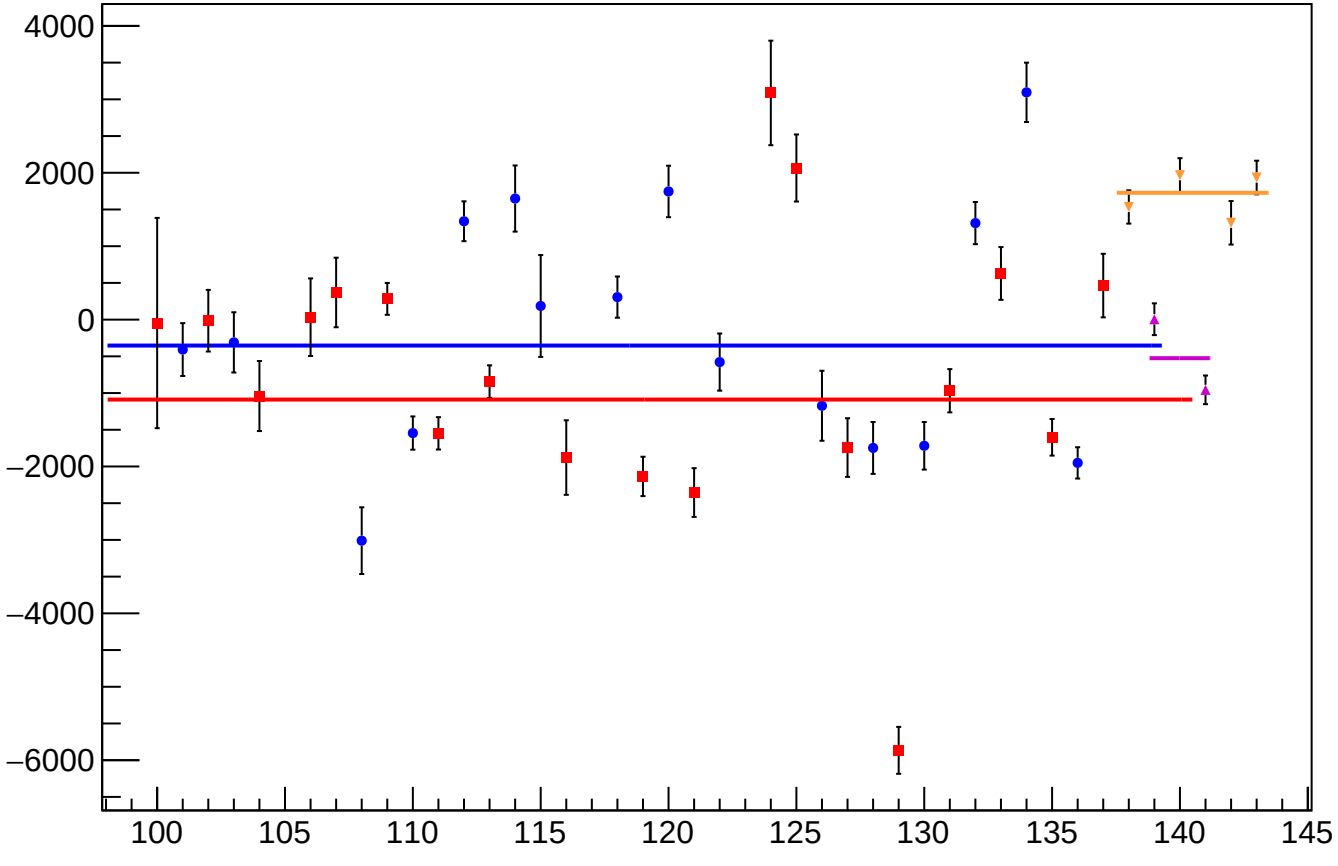
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 117.032+/-0.029 χ^2/NDF:1133989.4/17

Out: 116.037+/-0.027 χ^2/NDF:1402677.8/22

All: 116.495+/-0.020 χ^2/NDF: 2537288.1/40

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1727.099+/-120.870 χ^2/NDF:4.5/3

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: 802.611+/-92.806 χ^2/NDF: 157.9/5

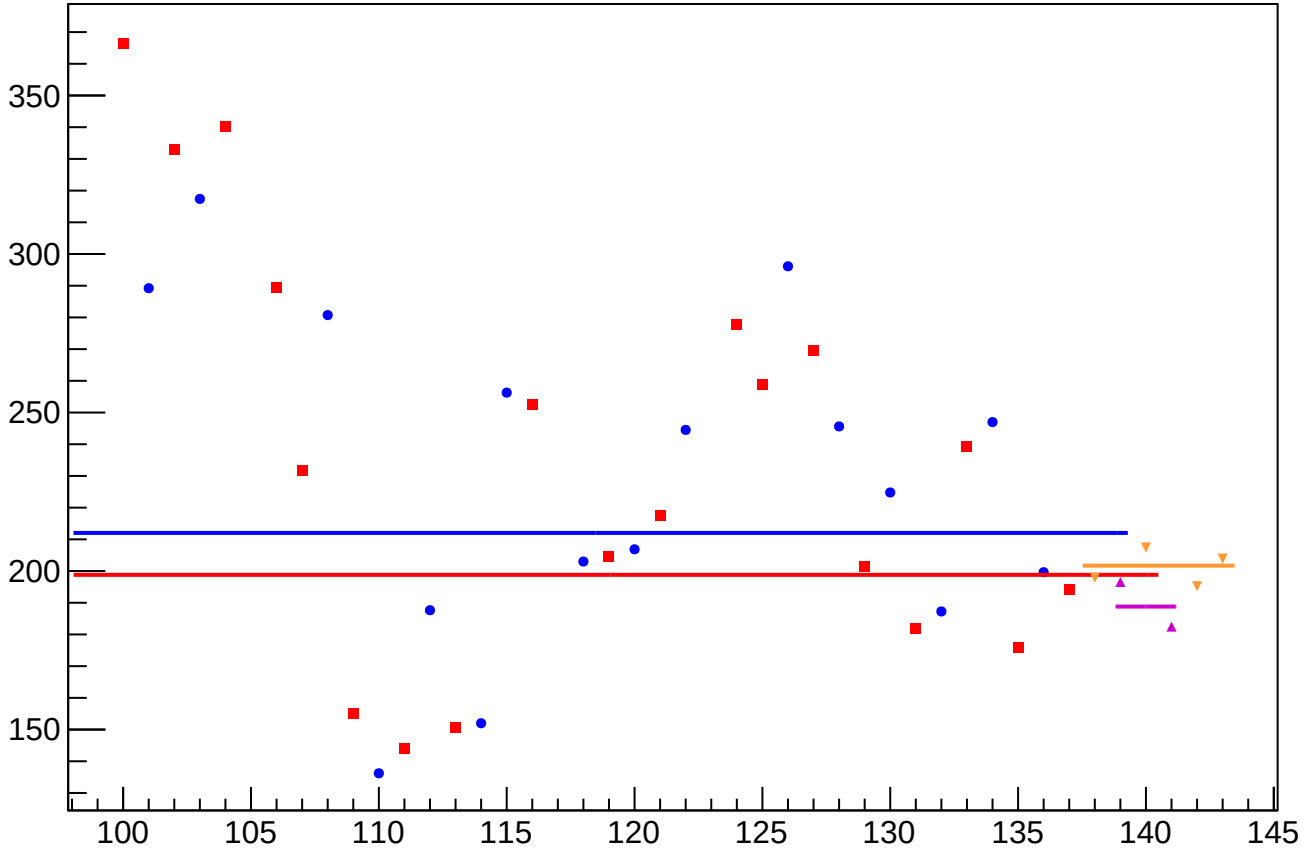
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -395.002+/-71.449 χ^2/NDF:373.8/17

Out: -284.238+/-64.607 χ^2/NDF:839.3/22

All: -334.064+/-47.921 χ^2/NDF: 1214.4/40

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 201.705+/-0.085 χ^2/NDF:2912.4/3

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: 196.407+/-0.066 χ^2/NDF: 16948.0/5

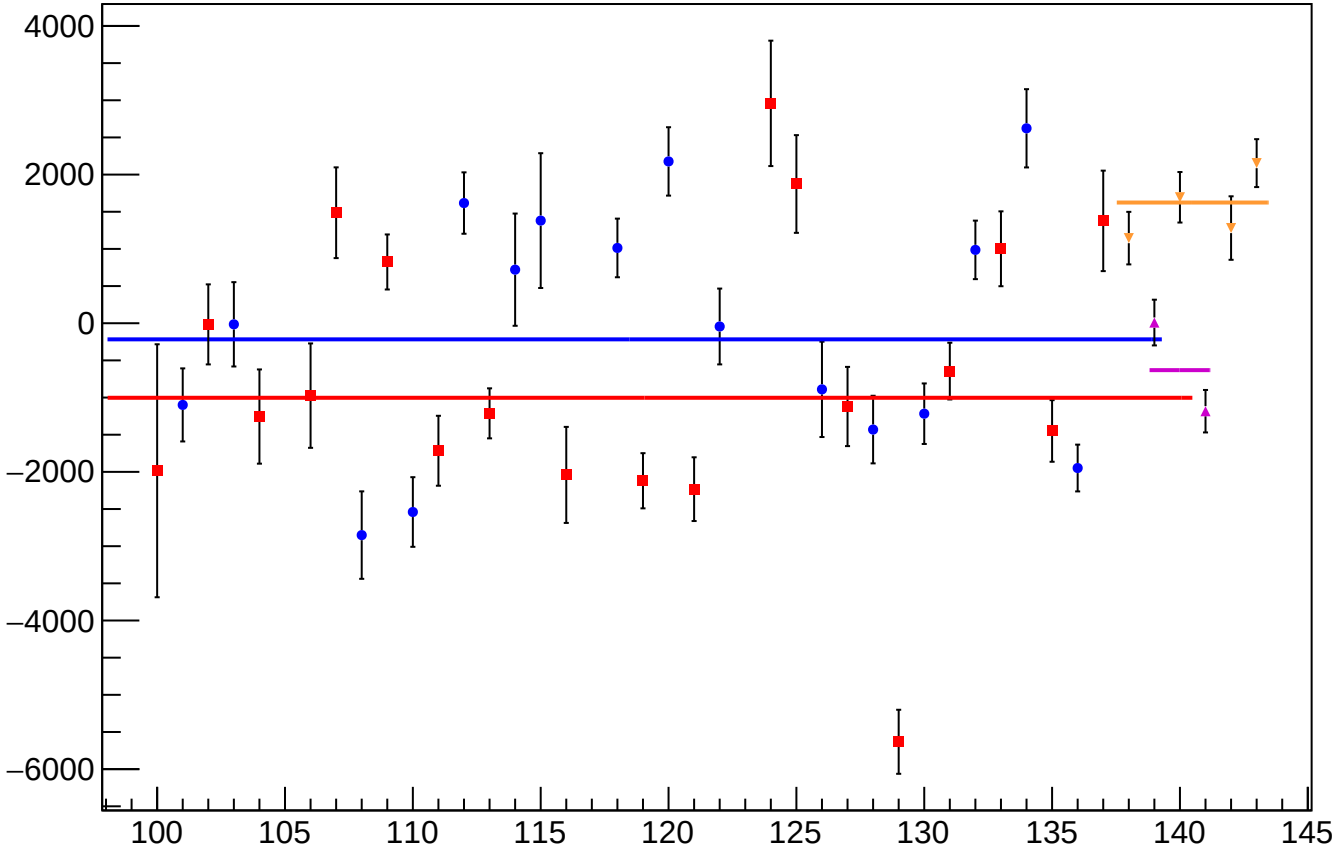
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 206.376+/-0.051 χ^2/NDF:733953.9/17

Out: 199.637+/-0.046 χ^2/NDF:978660.8/22

All: 202.668+/-0.034 χ^2/NDF: 1722403.5/40

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1624.110+/-177.451 χ^2/NDF:5.2/3

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: 681.228+/-135.366 χ^2/NDF: 80.8/5

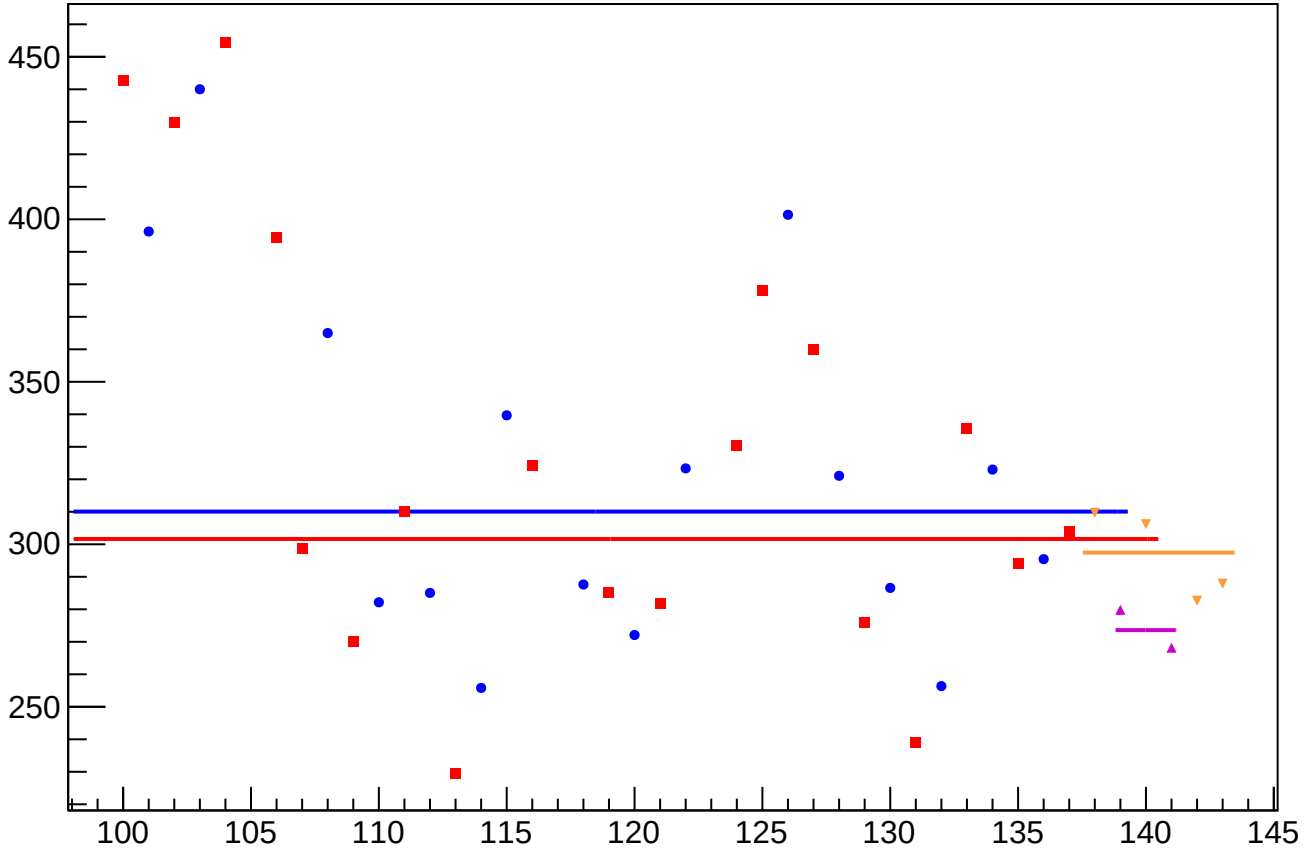
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -316.665+/-102.721 χ^2/NDF:203.2/17

Out: -244.019+/-95.381 χ^2/NDF:415.4/22

All: -277.654+/-69.896 χ^2/NDF: 618.9/40

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 297.448+/-0.125 χ^2/NDF:7875.0/3

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 273.596+/-0.148 χ^2/NDF:1537.2/1

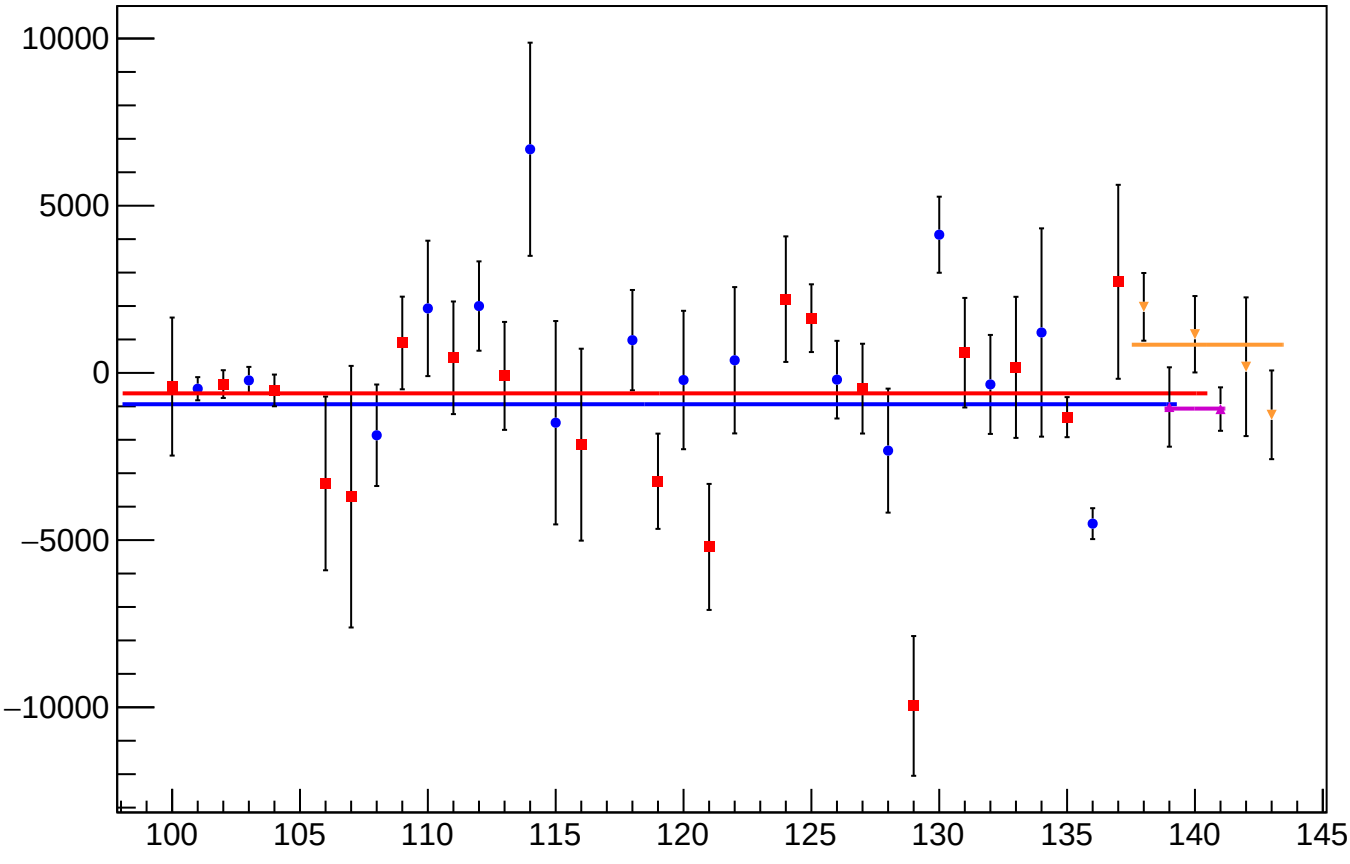
Left: 287.476+/-0.096 χ^2/NDF: 24520.0/5

Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 301.283+/-0.073 χ^2/NDF:370893.0/17

Out: 300.427+/-0.067 χ^2/NDF:528556.4/22

All: 300.823+/-0.049 χ^2/NDF: 899524.0/40



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 843.271+/-627.110 χ^2/NDF:3.9/3

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: -202.736+/-421.857 χ^2/NDF: 9.0/5

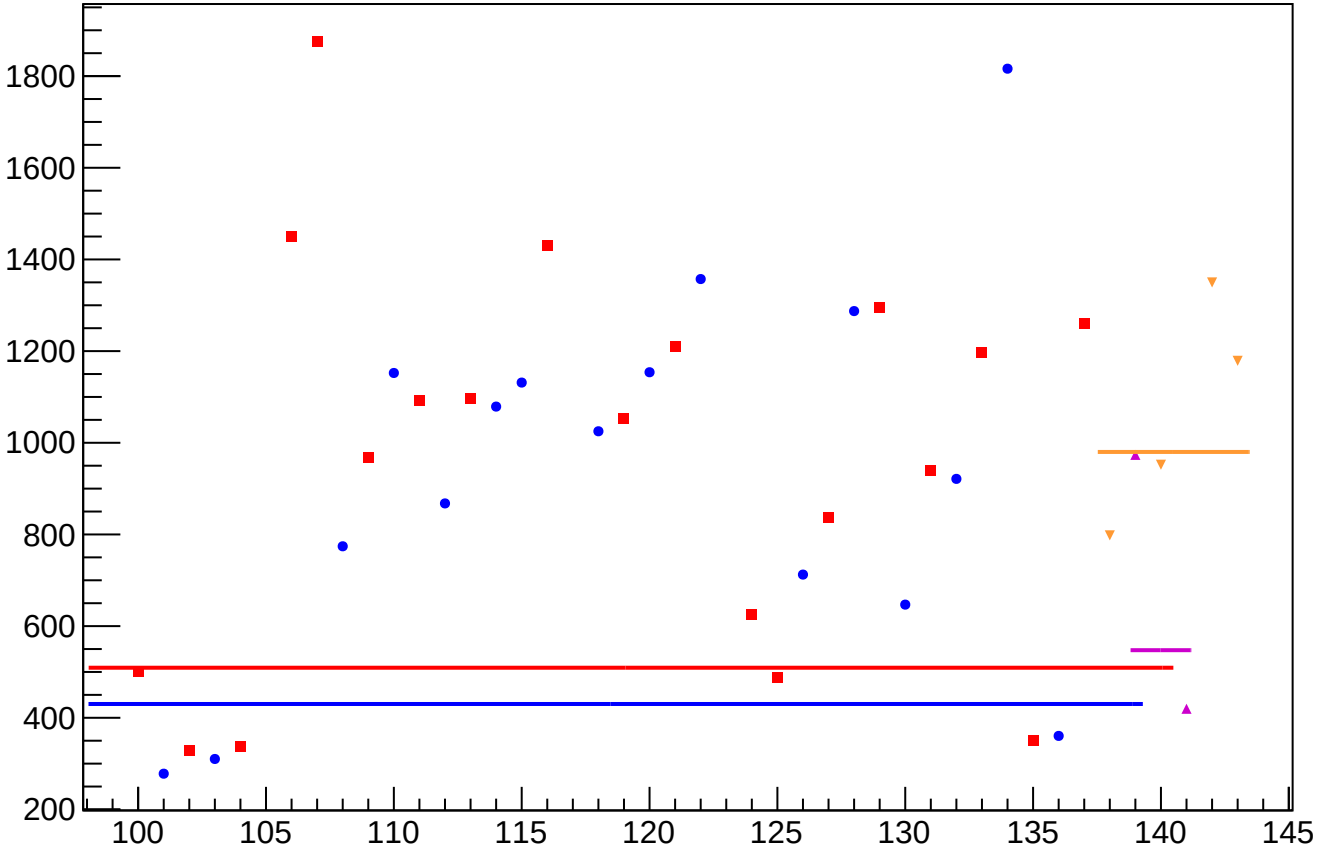
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -951.840+/-192.673 χ^2/NDF:101.2/17

Out: -434.990+/-218.531 χ^2/NDF:52.8/22

All: -725.788+/-144.522 χ^2/NDF: 157.2/40

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 980.009+/-0.443 χ^2/NDF:174372.5/3

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 547.500+/-0.403 χ^2/NDF:335049.6/1

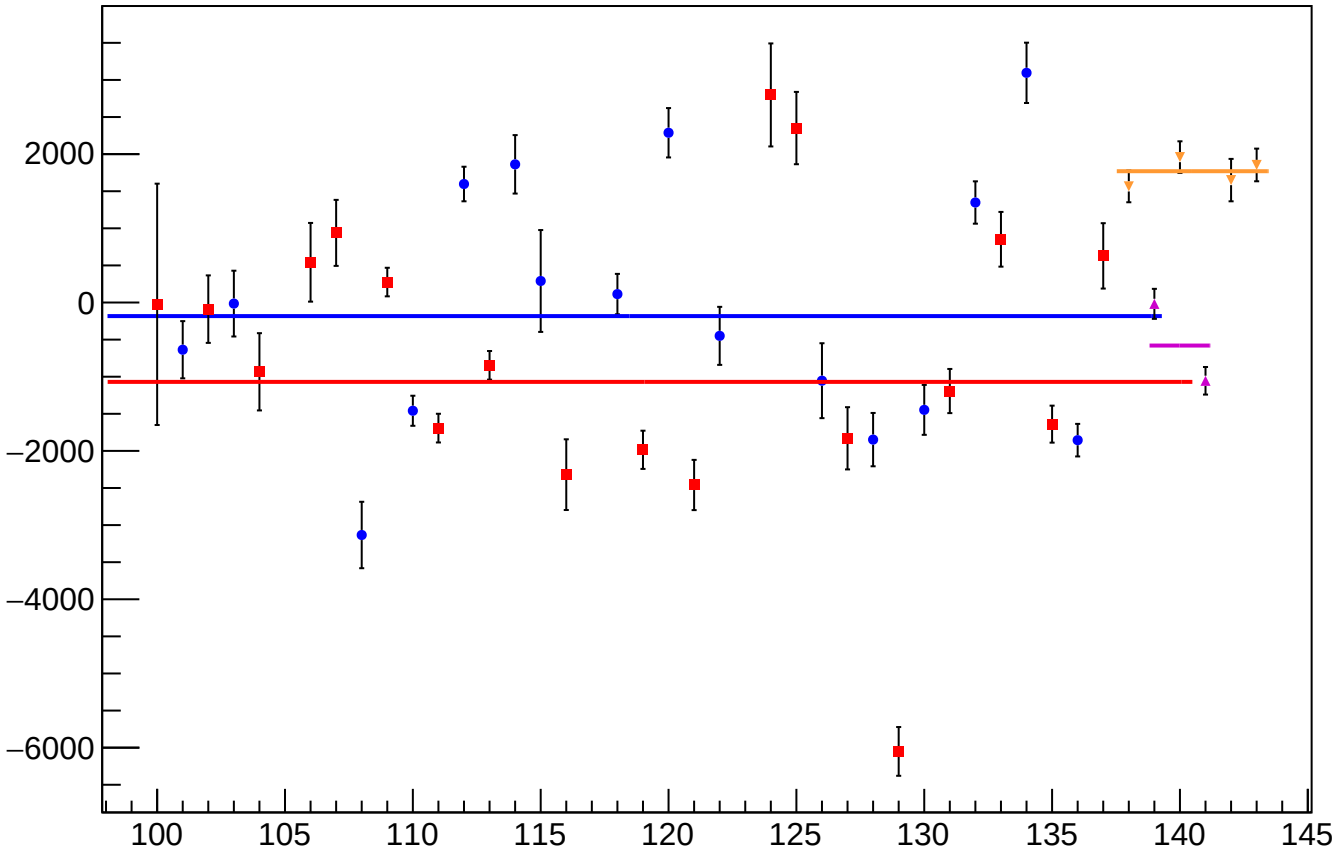
Left: 743.221+/-0.298 χ^2/NDF: 1030253.8/5

Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 443.516+/-0.136 χ^2/NDF:3932014.3/17

Out: 566.403+/-0.155 χ^2/NDF:4838039.3/22

All: 497.263+/-0.102 χ^2/NDF: 9125884.3/40



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1769.850+/-114.160 χ^2/NDF:2.0/3

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: 805.938+/-87.673 χ^2/NDF: 190.1/5

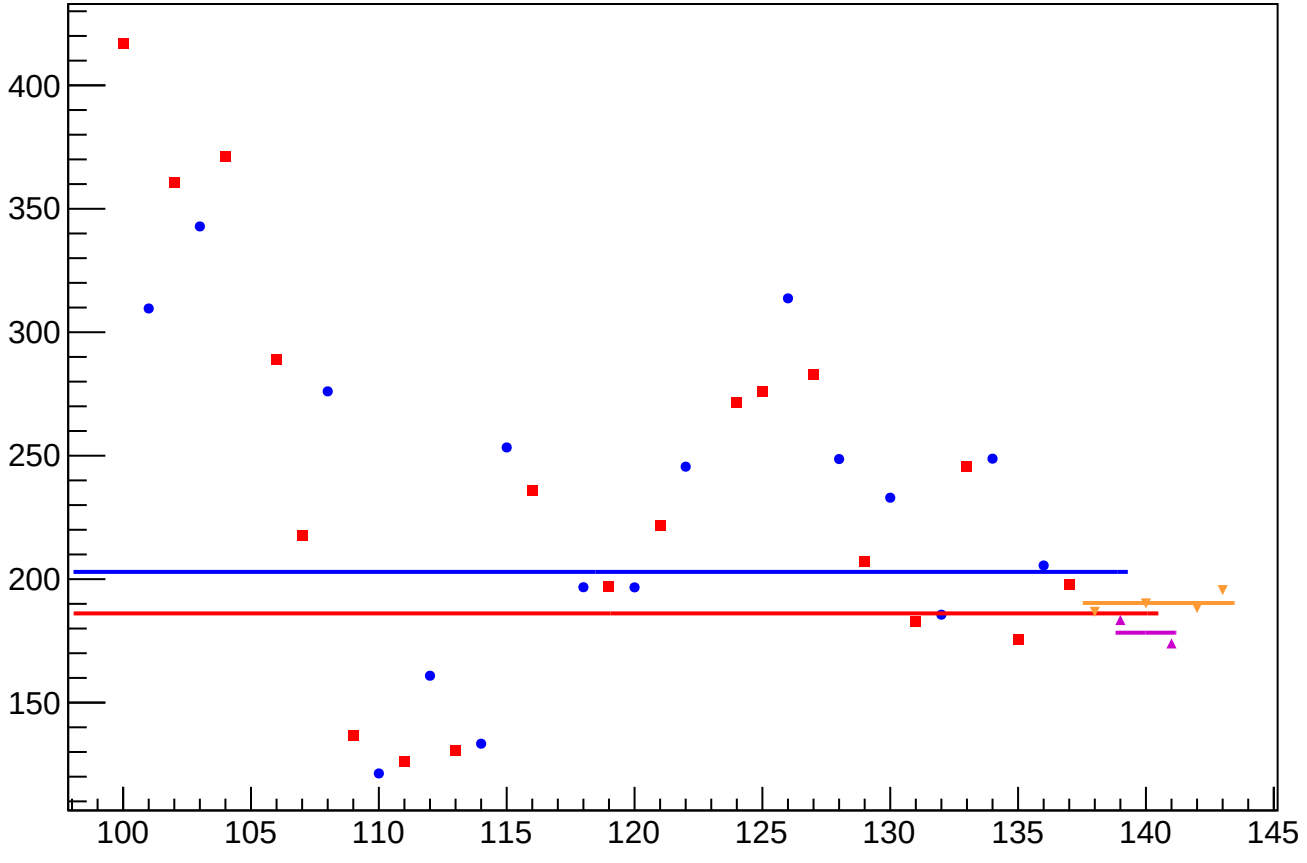
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -283.839+/-68.982 χ^2/NDF:438.2/17

Out: -244.636+/-61.537 χ^2/NDF:933.2/22

All: -262.009+/-45.921 χ^2/NDF: 1371.6/40

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 190.342+/-0.081 χ^2/NDF:1787.4/3

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: 185.409+/-0.062 χ^2/NDF: 13272.1/5

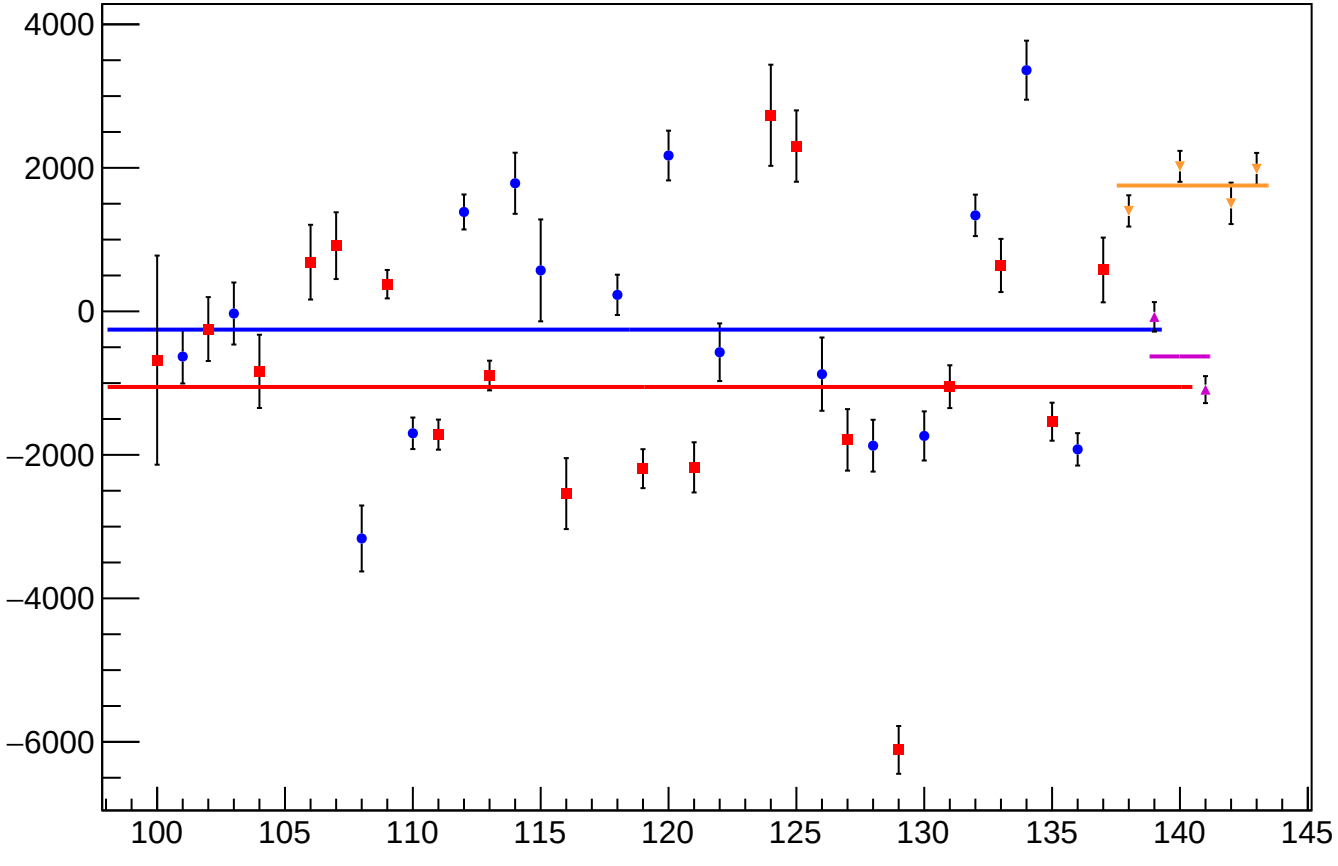
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 196.688+/-0.049 χ^2/NDF:1122525.4/17

Out: 187.353+/-0.044 χ^2/NDF:1485383.9/22

All: 191.490+/-0.032 χ^2/NDF: 2628305.2/40

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1753.767+/-115.685 χ^2/NDF:6.0/3

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: 777.473+/-88.869 χ^2/NDF: 193.0/5

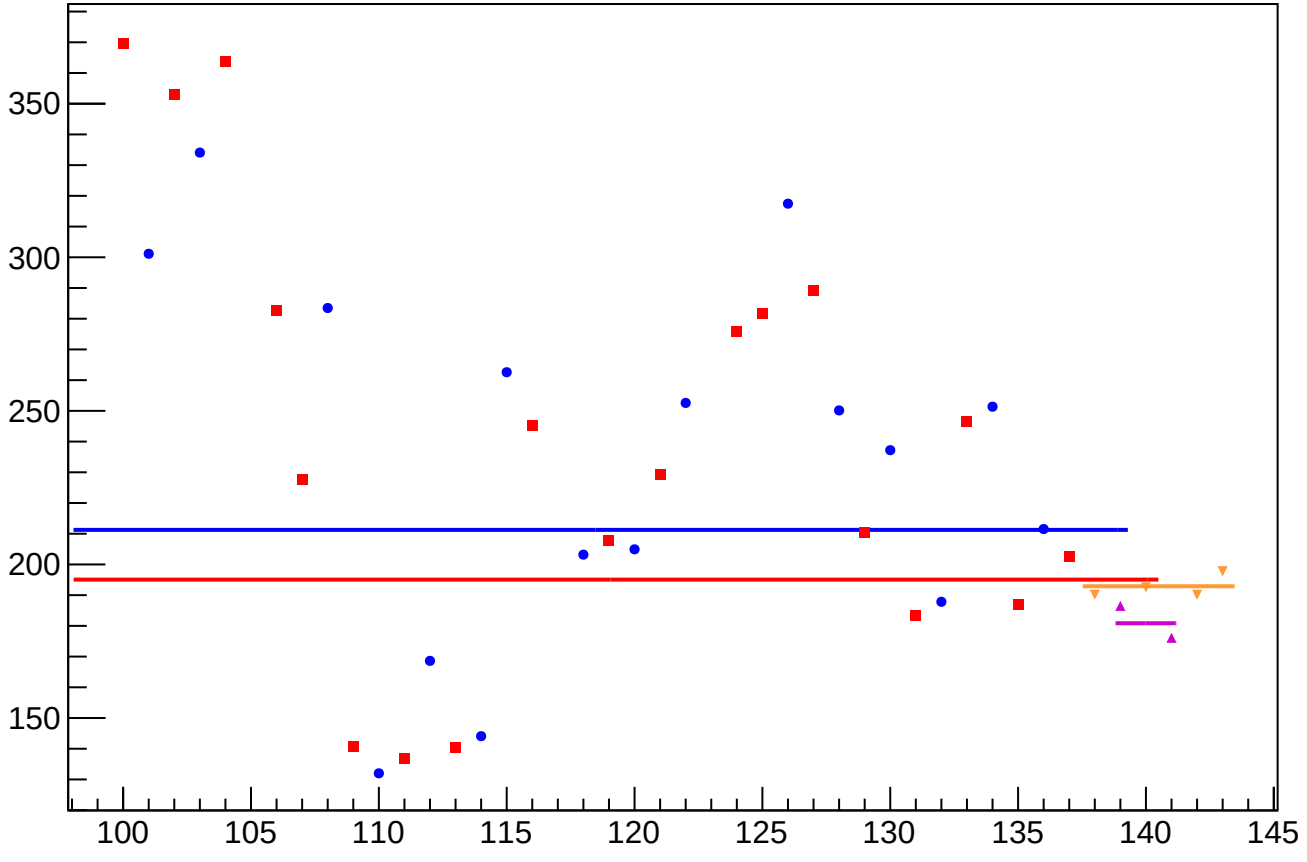
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -352.007+/-70.914 χ^2/NDF:427.9/17

Out: -207.814+/-63.501 χ^2/NDF:895.2/22

All: -271.983+/-47.306 χ^2/NDF: 1325.3/40

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 192.897+/-0.082 χ^2/NDF:1468.4/3

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: 187.964+/-0.063 χ^2/NDF: 13124.0/5

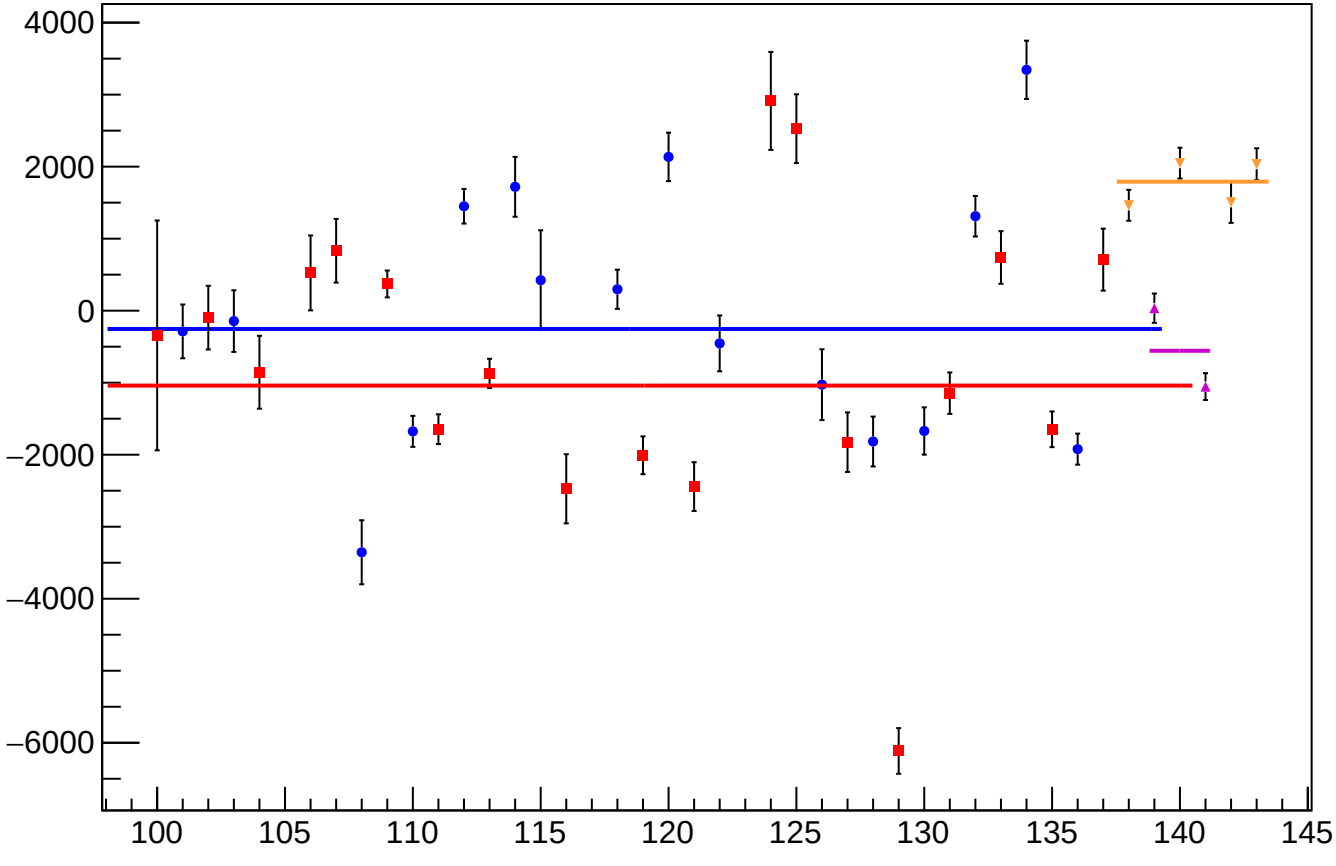
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 203.322+/-0.050 χ^2/NDF:958000.5/17

Out: 194.409+/-0.045 χ^2/NDF:1286837.4/22

All: 198.375+/-0.033 χ^2/NDF: 2262371.4/40

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1791.497+/-114.521 χ^2/NDF:6.0/3

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: 829.029+/-87.975 χ^2/NDF: 193.9/5

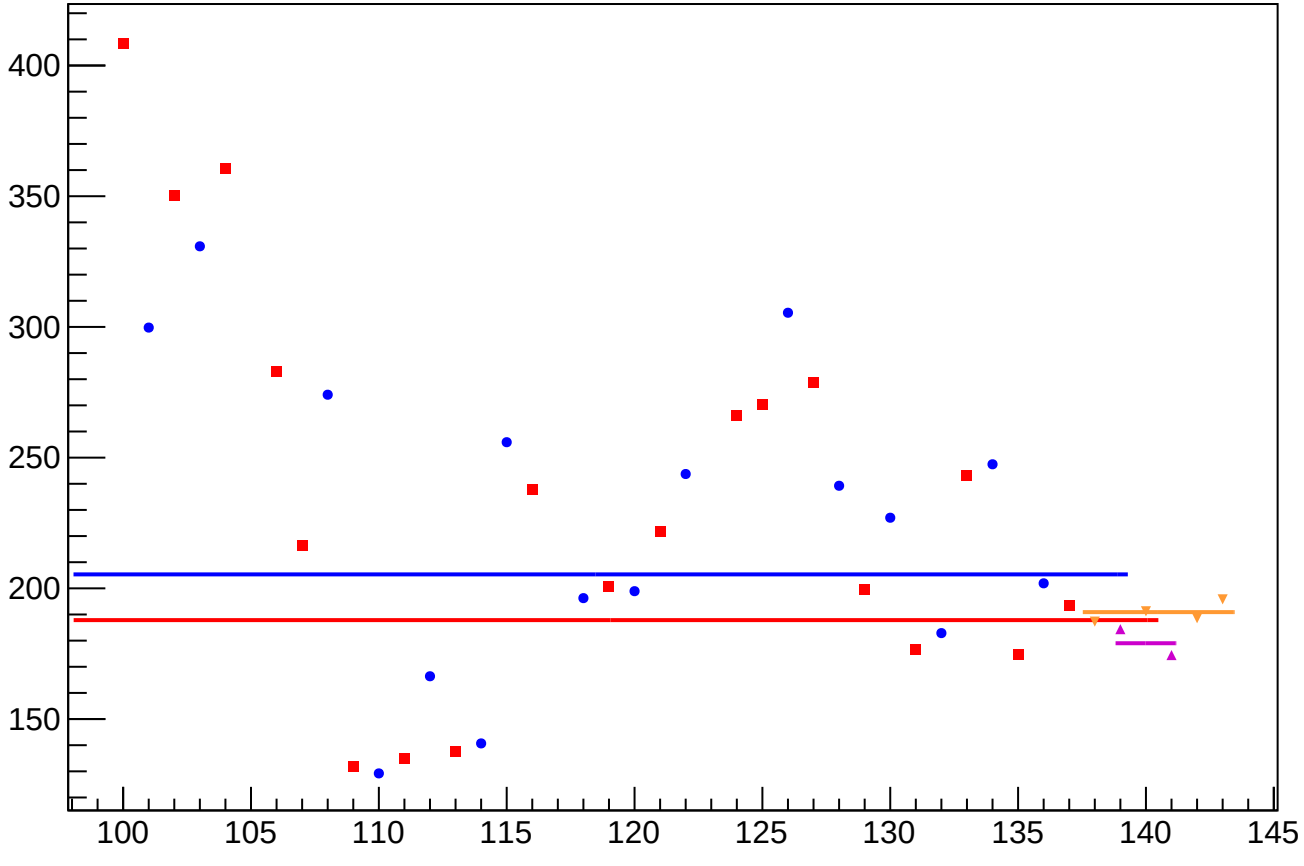
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -330.989+/-69.281 χ^2/NDF:451.3/17

Out: -216.374+/-61.774 χ^2/NDF:972.9/22

All: -267.138+/-46.107 χ^2/NDF: 1425.7/40

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 190.909+/-0.081 χ^2/NDF:1690.0/3

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: 186.030+/-0.062 χ^2/NDF: 13126.4/5

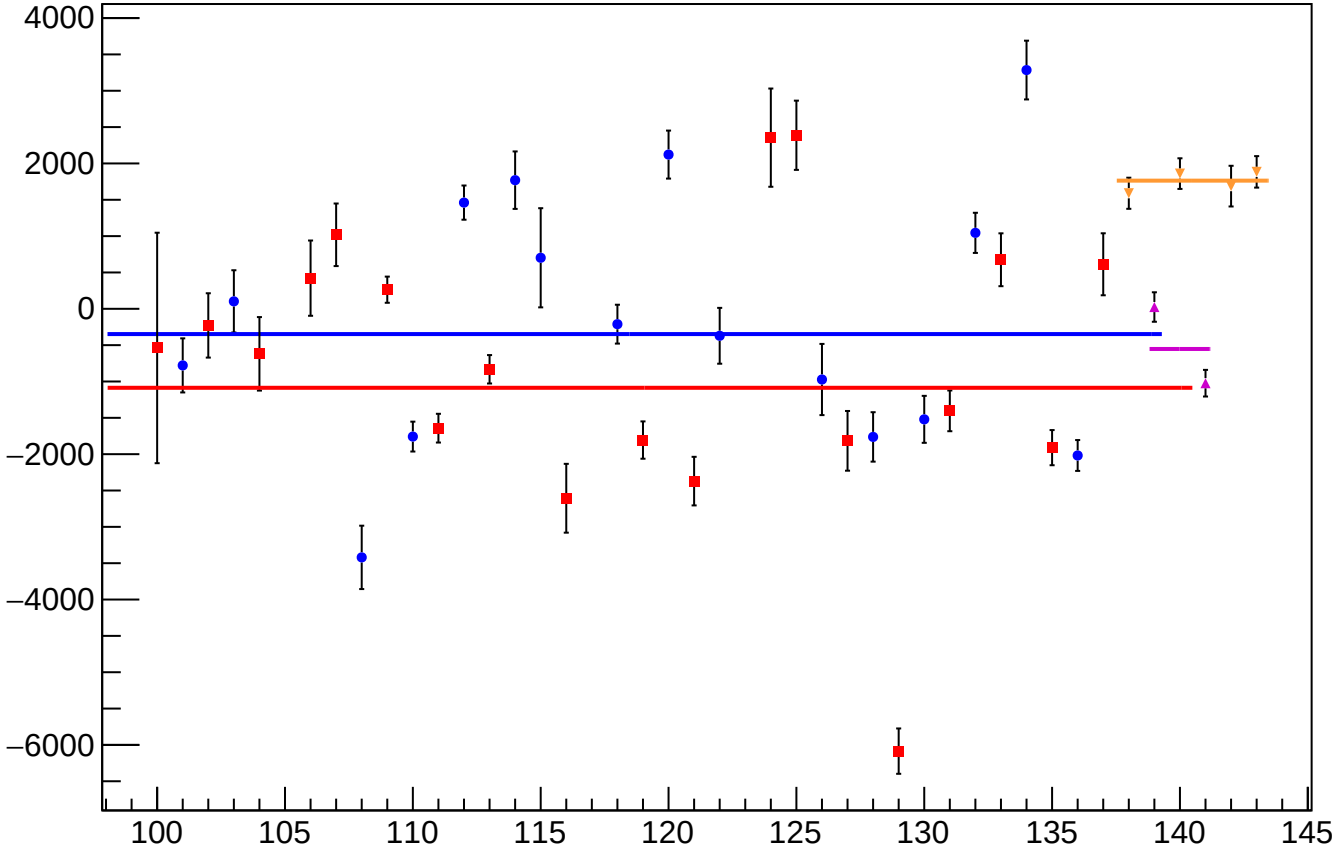
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.647+/-0.049 χ^2/NDF:934766.3/17

Out: 188.739+/-0.044 χ^2/NDF:1339752.3/22

All: 193.127+/-0.033 χ^2/NDF: 2297307.2/40

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1763.328+/-112.928 χ^2/NDF:1.3/3

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: 817.876+/-86.870 χ^2/NDF: 187.6/5

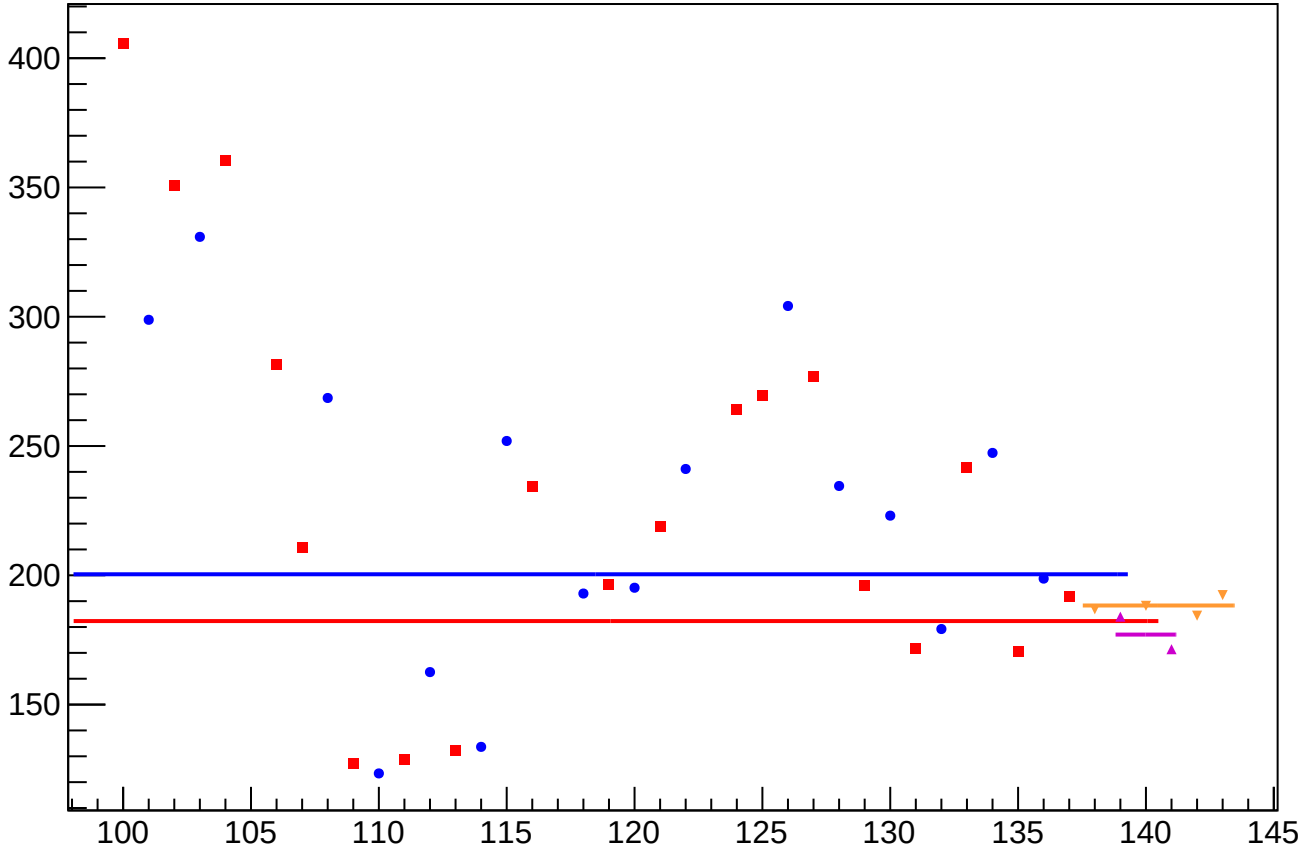
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -398.957+/-68.026 χ^2/NDF:462.2/17

Out: -270.457+/-60.433 χ^2/NDF:983.0/22

All: -327.139+/-45.180 χ^2/NDF: 1447.1/40

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 188.324+/-0.080 χ^2/NDF:1180.2/3

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: 183.731+/-0.061 χ^2/NDF: 13519.2/5

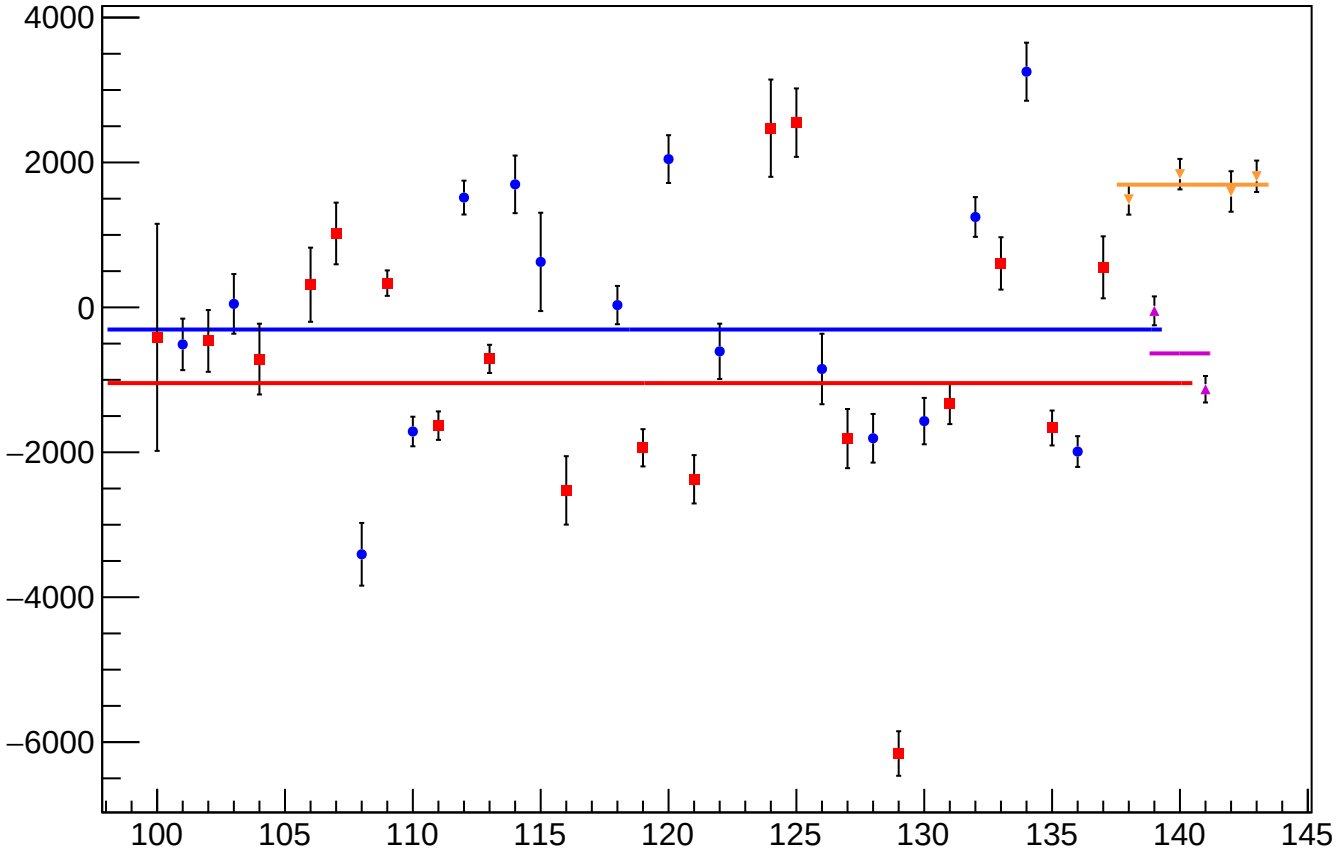
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 194.559+/-0.048 χ^2/NDF:1007367.2/17

Out: 184.026+/-0.043 χ^2/NDF:1452436.2/22

All: 188.672+/-0.032 χ^2/NDF: 2486603.2/40

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1693.274+/-112.340 χ^2/NDF:1.8/3

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: 739.916+/-86.334 χ^2/NDF: 193.7/5

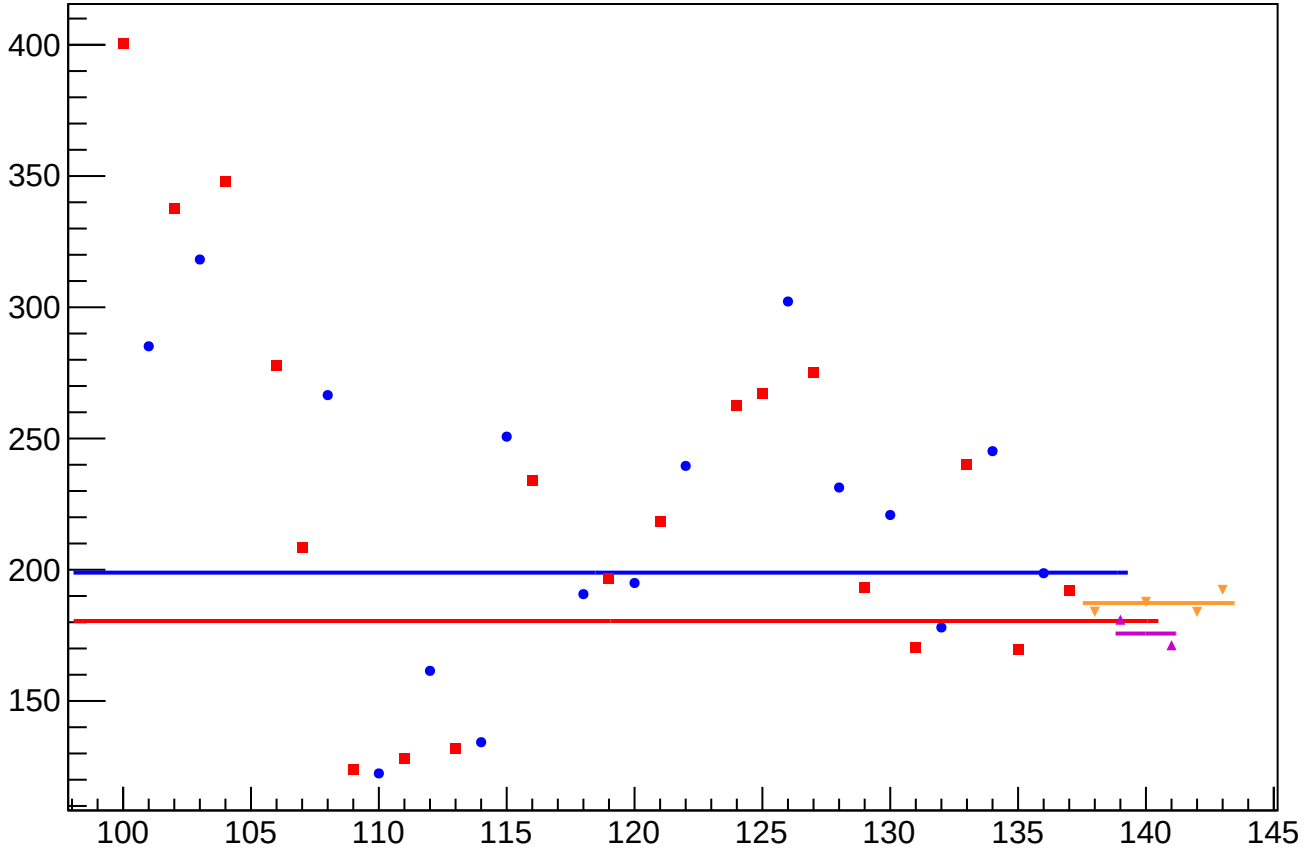
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -388.036+/-67.443 χ^2/NDF:472.2/17

Out: -266.302+/-59.911 χ^2/NDF:979.2/22

All: -319.995+/-44.791 χ^2/NDF: 1453.2/40

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 187.308+/-0.079 χ^2/NDF:1860.6/3

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: 182.553+/-0.061 χ^2/NDF: 13189.8/5

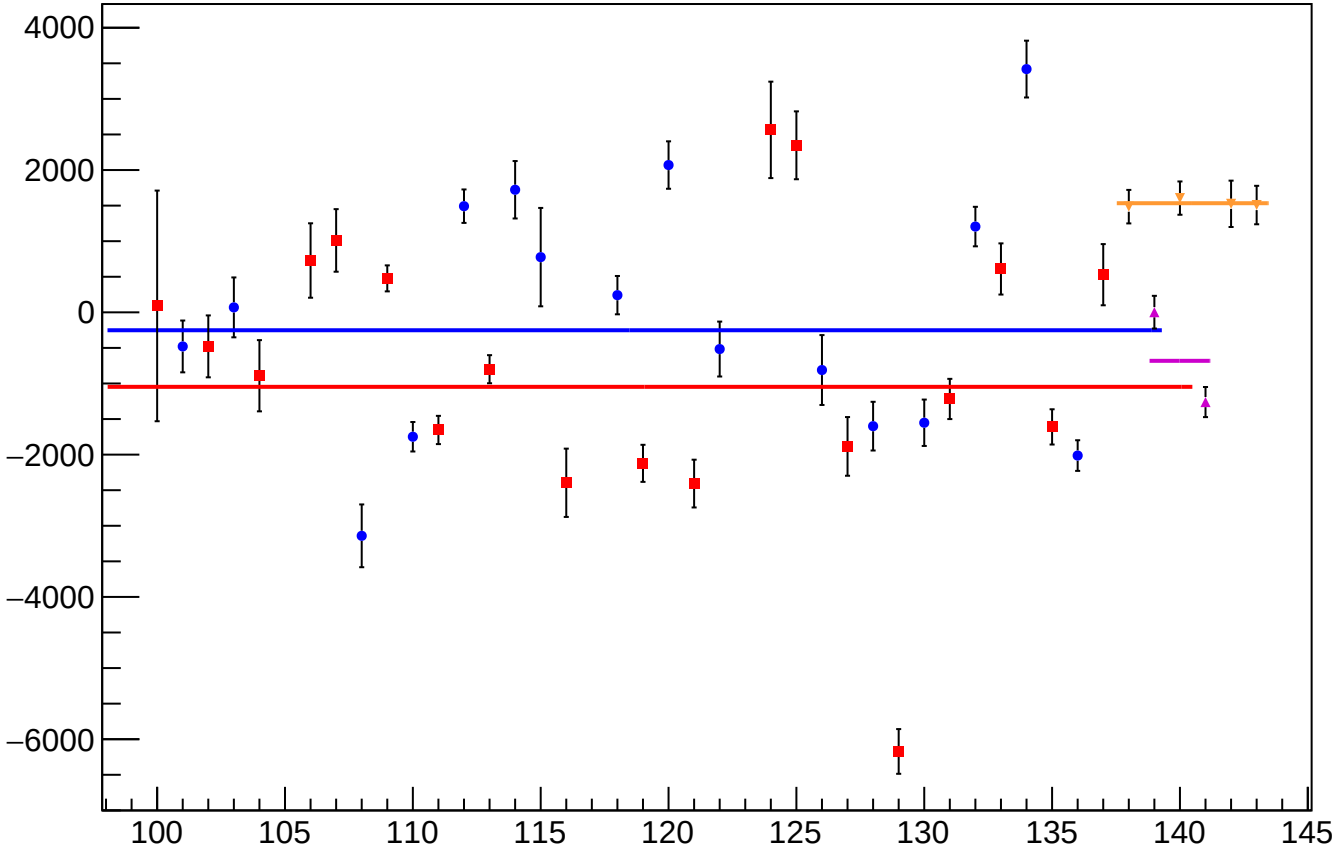
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 193.104+/-0.048 χ^2/NDF:959731.0/17

Out: 182.417+/-0.042 χ^2/NDF:1441594.1/22

All: 187.131+/-0.032 χ^2/NDF: 2429397.2/40

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1533.799+/-129.755 χ^2/NDF:0.1/3

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: 625.793+/-99.677 χ^2/NDF: 136.0/5

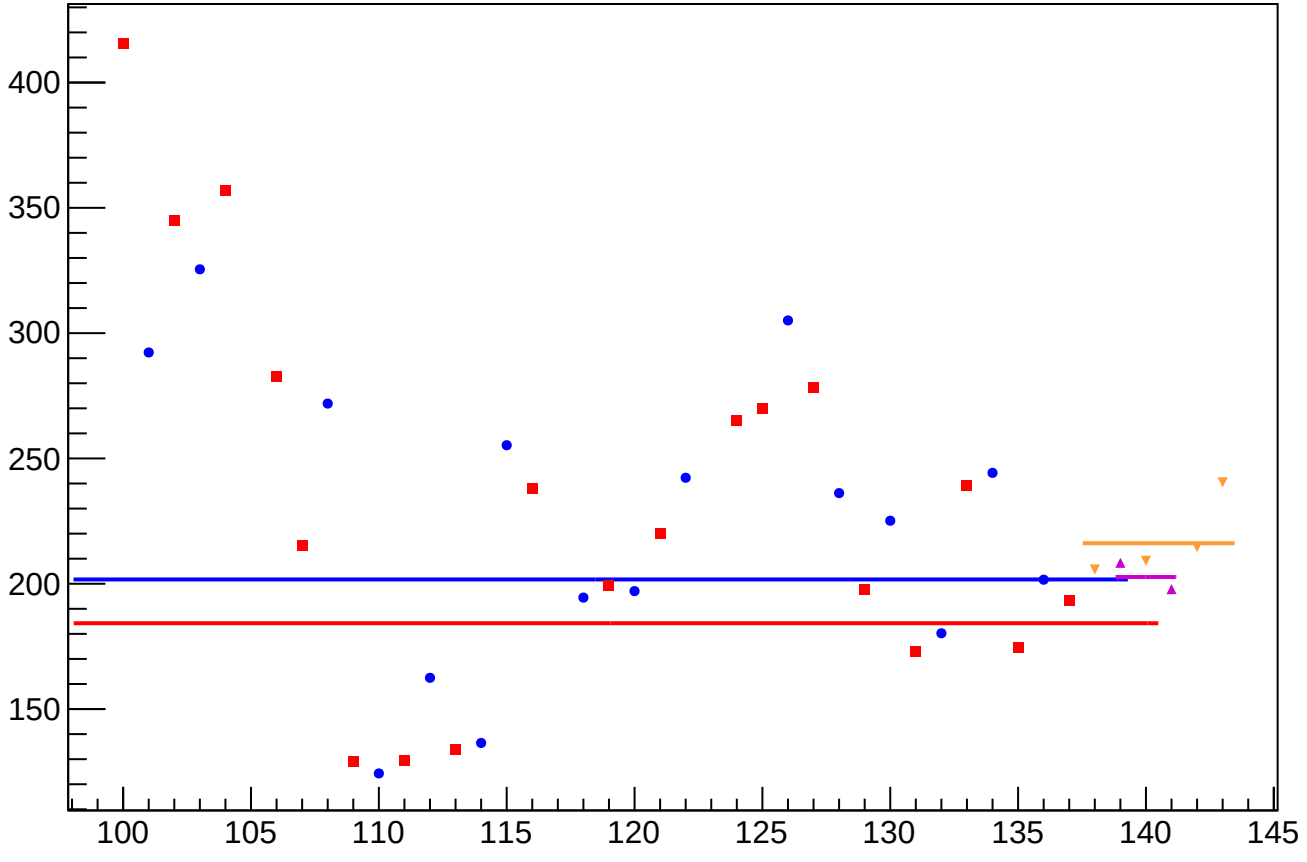
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -339.735+/-70.431 χ^2/NDF:463.6/17

Out: -437.081+/-63.084 χ^2/NDF:849.0/22

All: -393.749+/-46.991 χ^2/NDF: 1313.7/40

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 216.178+/-0.092 χ^2/NDF:21952.7/3

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: 210.647+/-0.070 χ^2/NDF: 33081.5/5

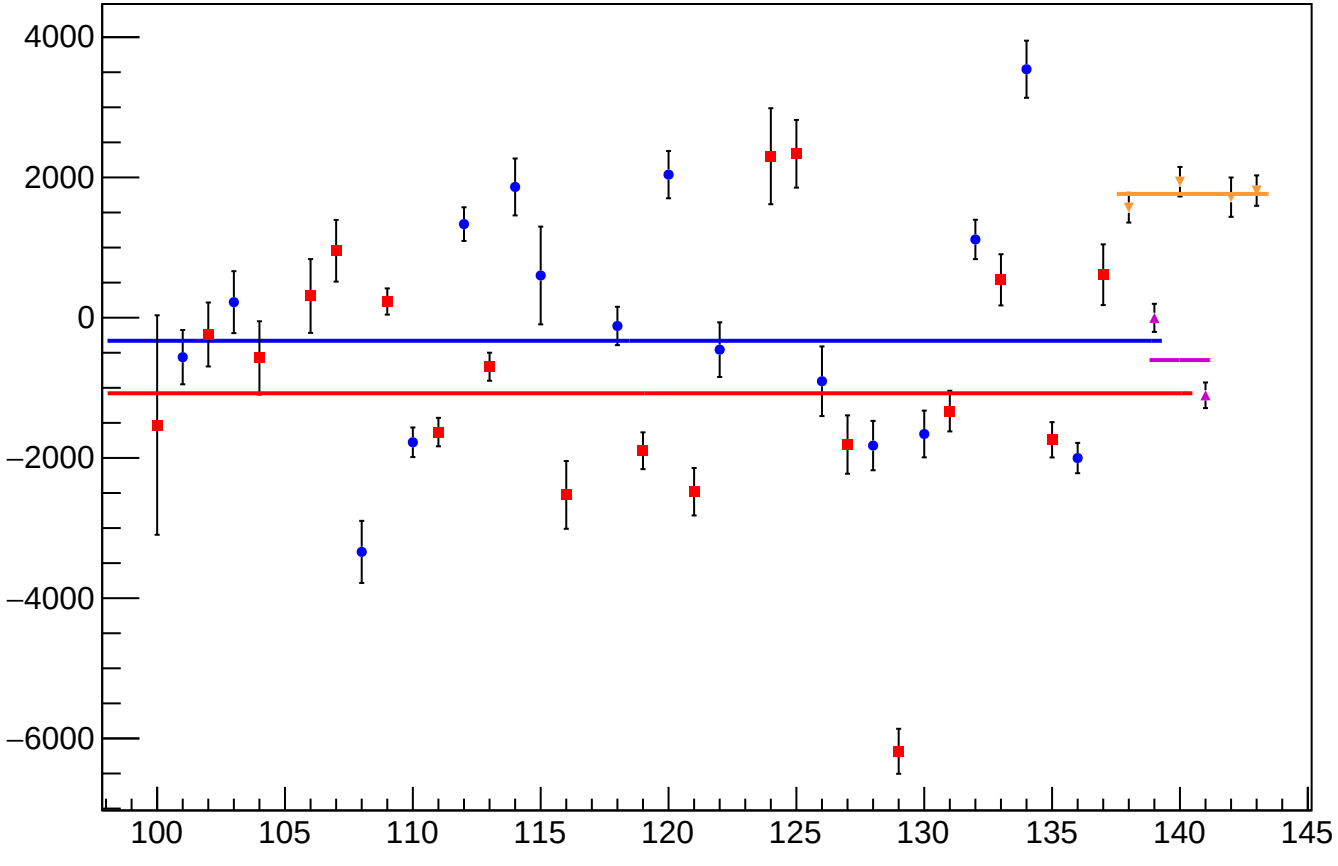
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 201.912+/-0.050 χ^2/NDF:926536.4/17

Out: 191.792+/-0.045 χ^2/NDF:1518220.6/22

All: 196.297+/-0.033 χ^2/NDF: 2467669.4/40

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1764.864+/-112.633 χ^2/NDF:1.6/3

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: 792.665+/-86.494 χ^2/NDF: 199.8/5

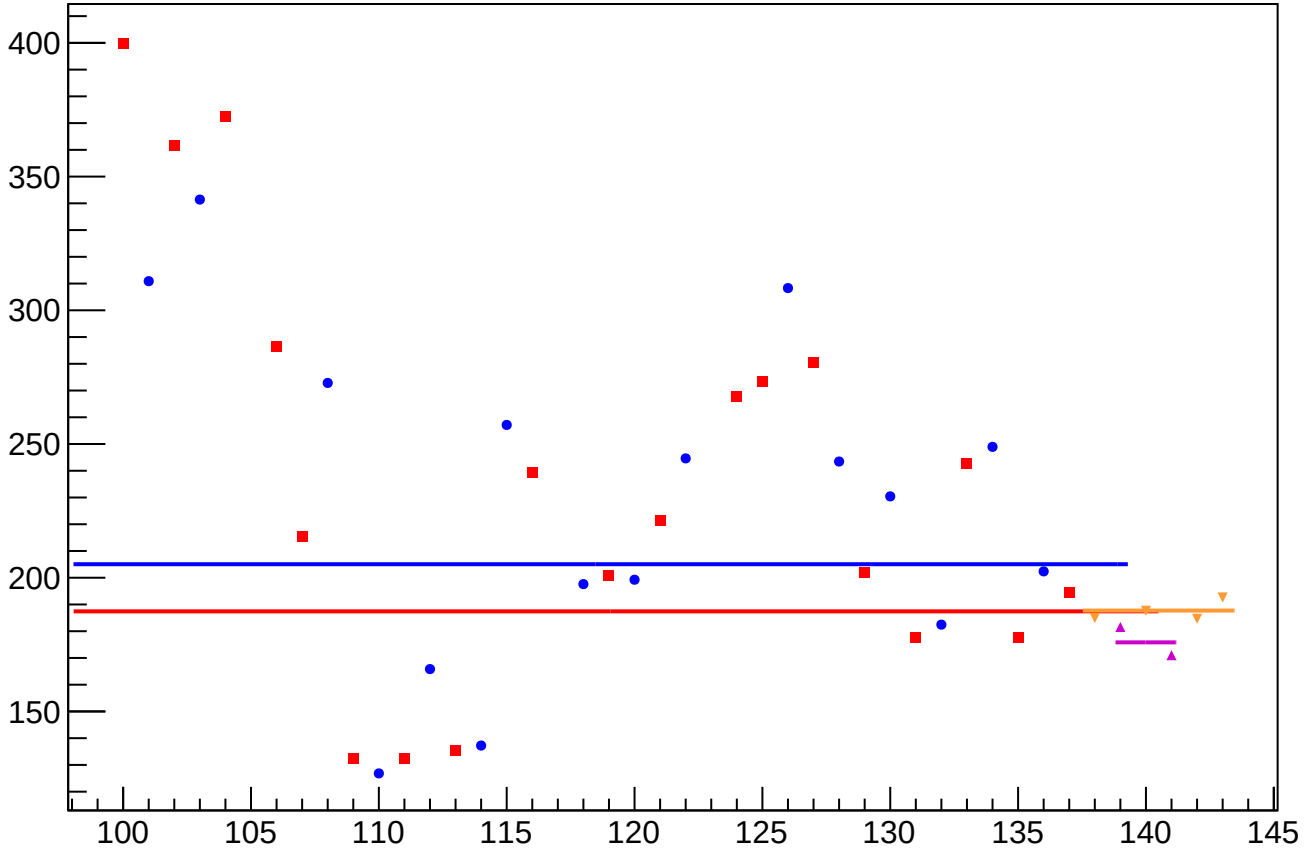
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -401.377+/-69.061 χ^2/NDF:456.1/17

Out: -230.425+/-61.497 χ^2/NDF:950.7/22

All: -306.031+/-45.927 χ^2/NDF: 1410.2/40

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 187.727+/-0.080 χ^2/NDF:1605.9/3

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: 182.844+/-0.061 χ^2/NDF: 13794.6/5

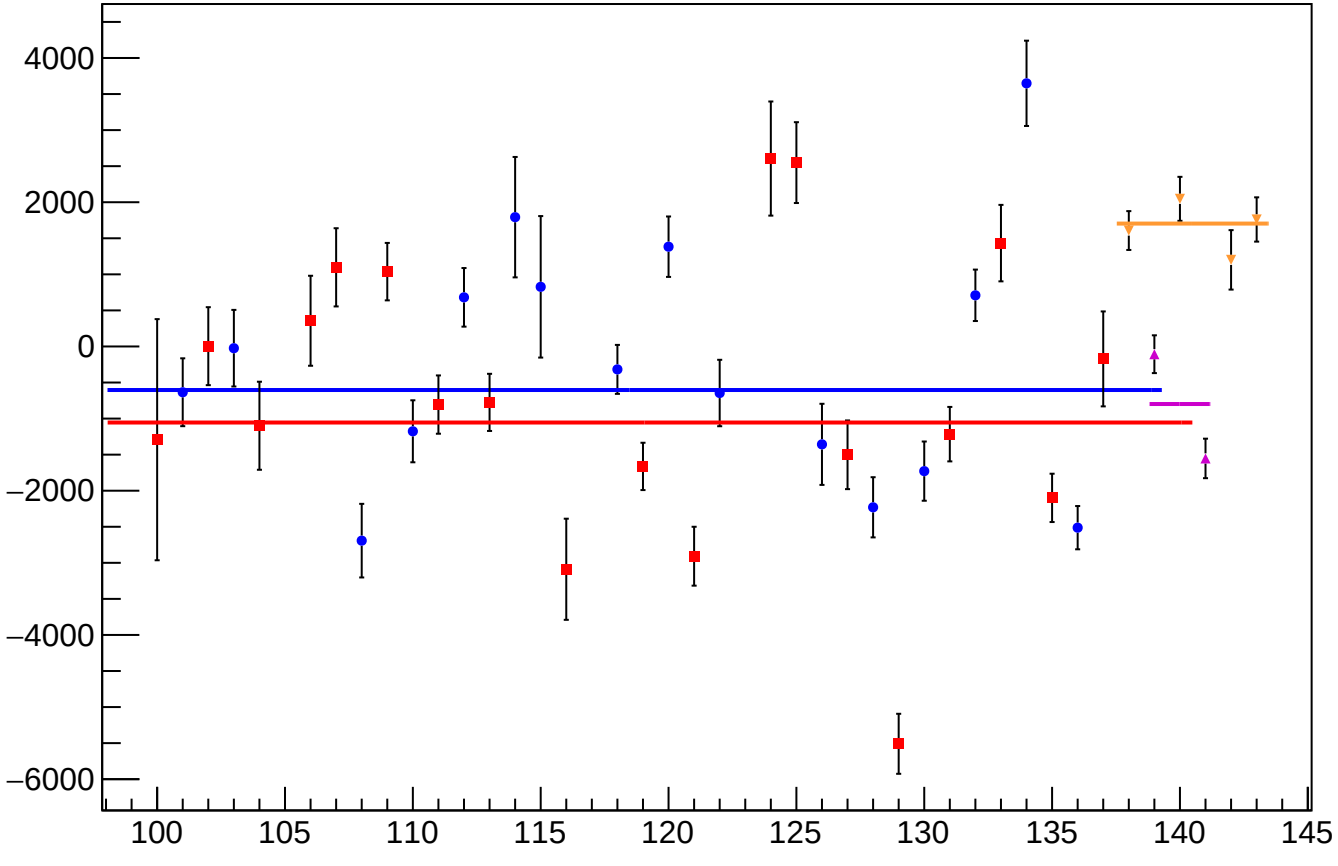
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 197.408+/-0.049 χ^2/NDF:1035269.0/17

Out: 187.519+/-0.043 χ^2/NDF:1412417.8/22

All: 191.893+/-0.032 χ^2/NDF: 2470555.8/40

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1703.983+/-156.096 χ^2/NDF:2.9/3

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: 691.748+/-120.450 χ^2/NDF: 121.4/5

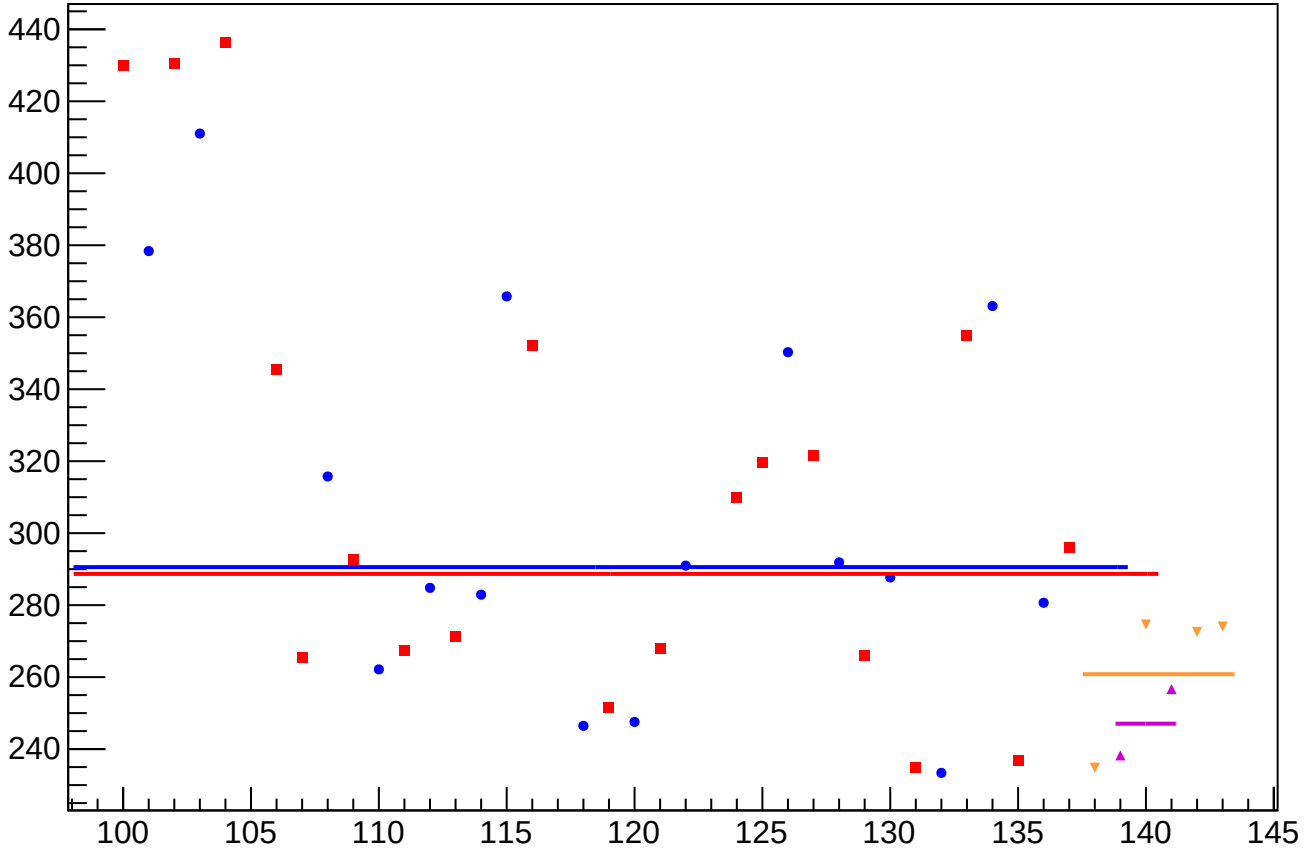
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -653.294+/-95.564 χ^2/NDF:208.9/17

Out: -158.587+/-88.961 χ^2/NDF:511.5/22

All: -388.261+/-65.114 χ^2/NDF: 734.7/40

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 260.809+/-0.110 χ^2/NDF:28075.8/3

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: 255.247+/-0.085 χ^2/NDF: 39077.1/5

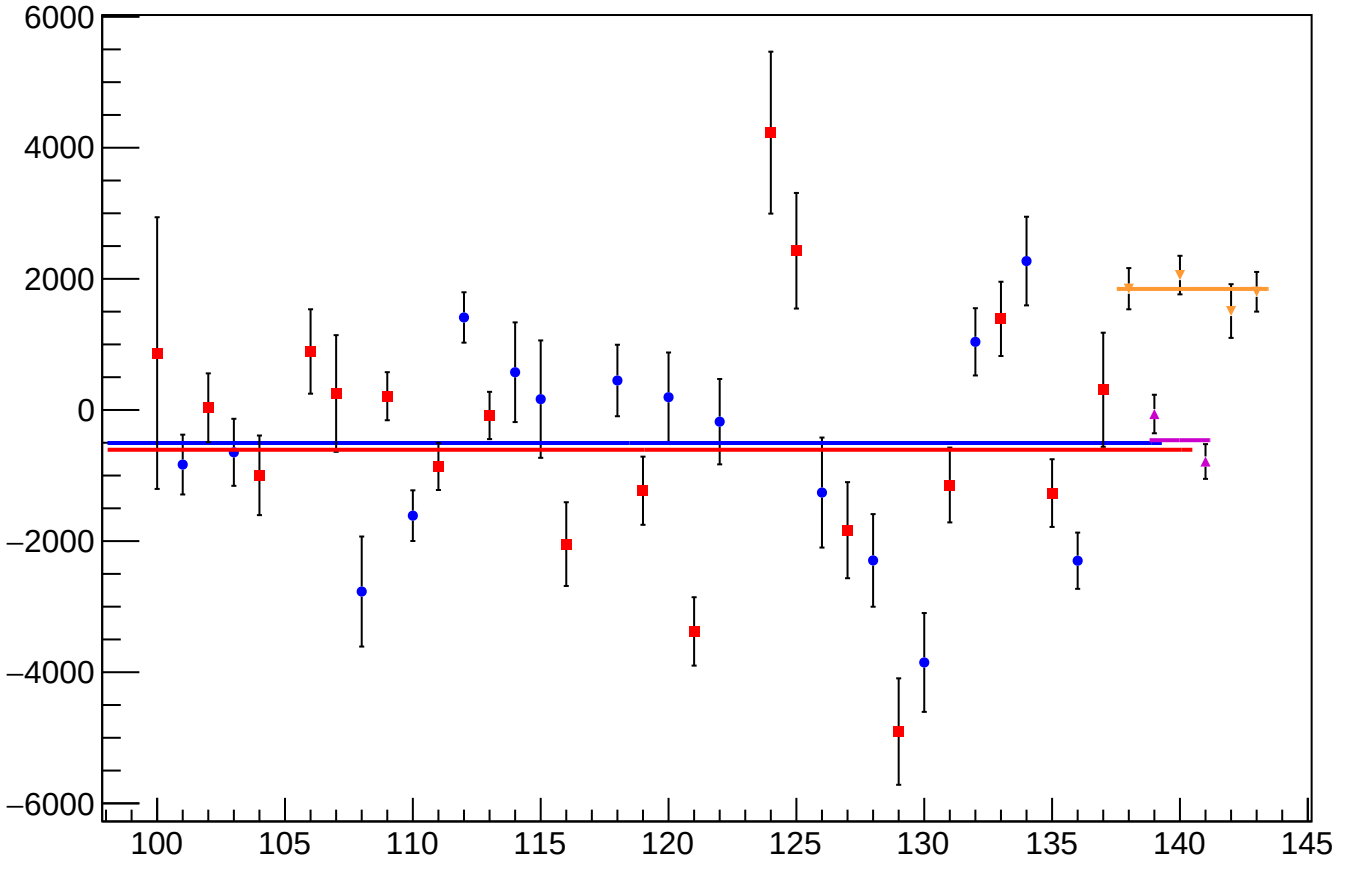
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 279.487+/-0.068 χ^2/NDF:443208.3/17

Out: 279.632+/-0.063 χ^2/NDF:560239.2/22

All: 279.564+/-0.046 χ^2/NDF: 1003450.0/40

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1846.239+/-161.043 χ^2/NDF:1.2/3

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: 920.807+/-124.630 χ^2/NDF: 86.9/5

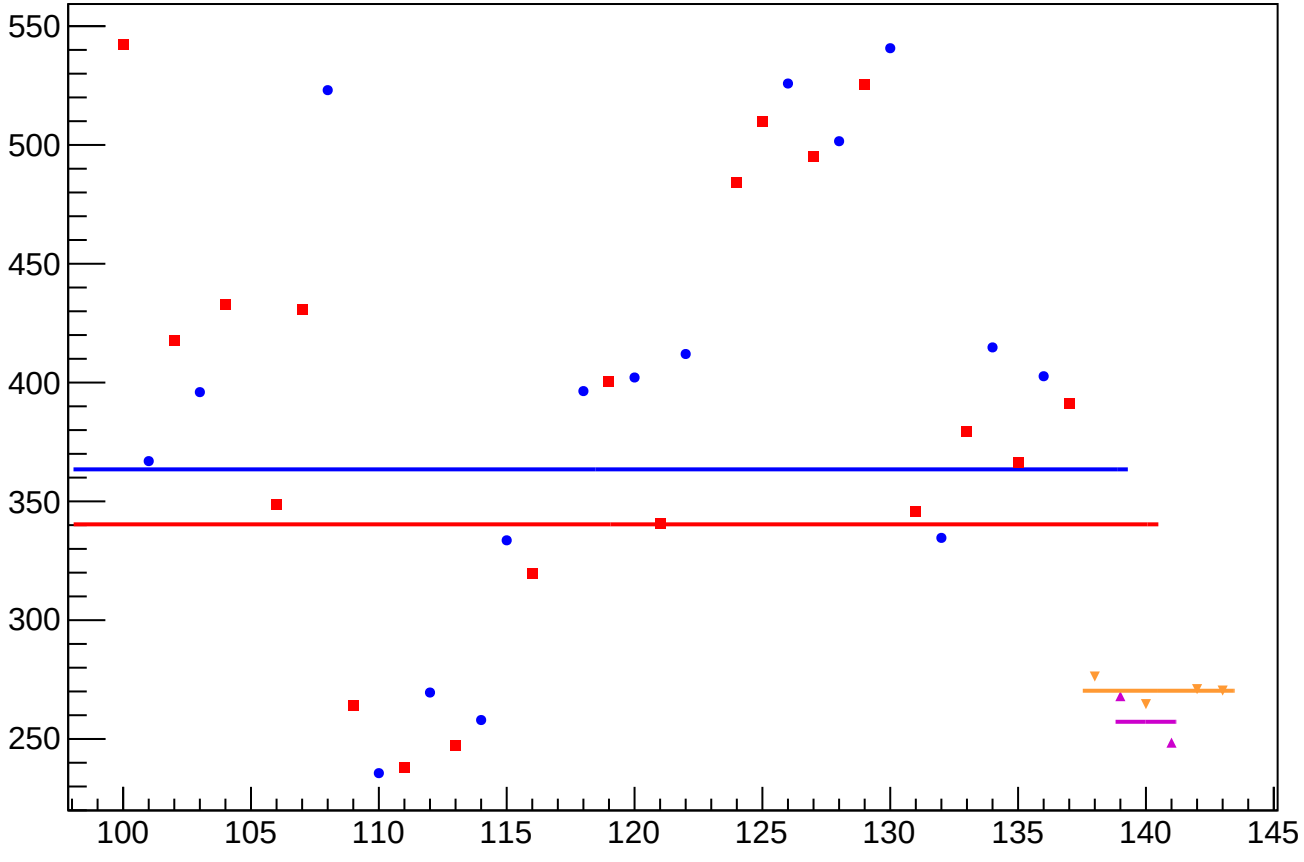
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -489.336+/-114.108 χ^2/NDF:121.6/17

Out: 357.437+/-100.970 χ^2/NDF:267.2/22

All: -14.417+/-75.617 χ^2/NDF: 419.7/40

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 270.304+/-0.114 χ^2/NDF:1464.4/3

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: 265.063+/-0.088 χ^2/NDF: 11635.7/5

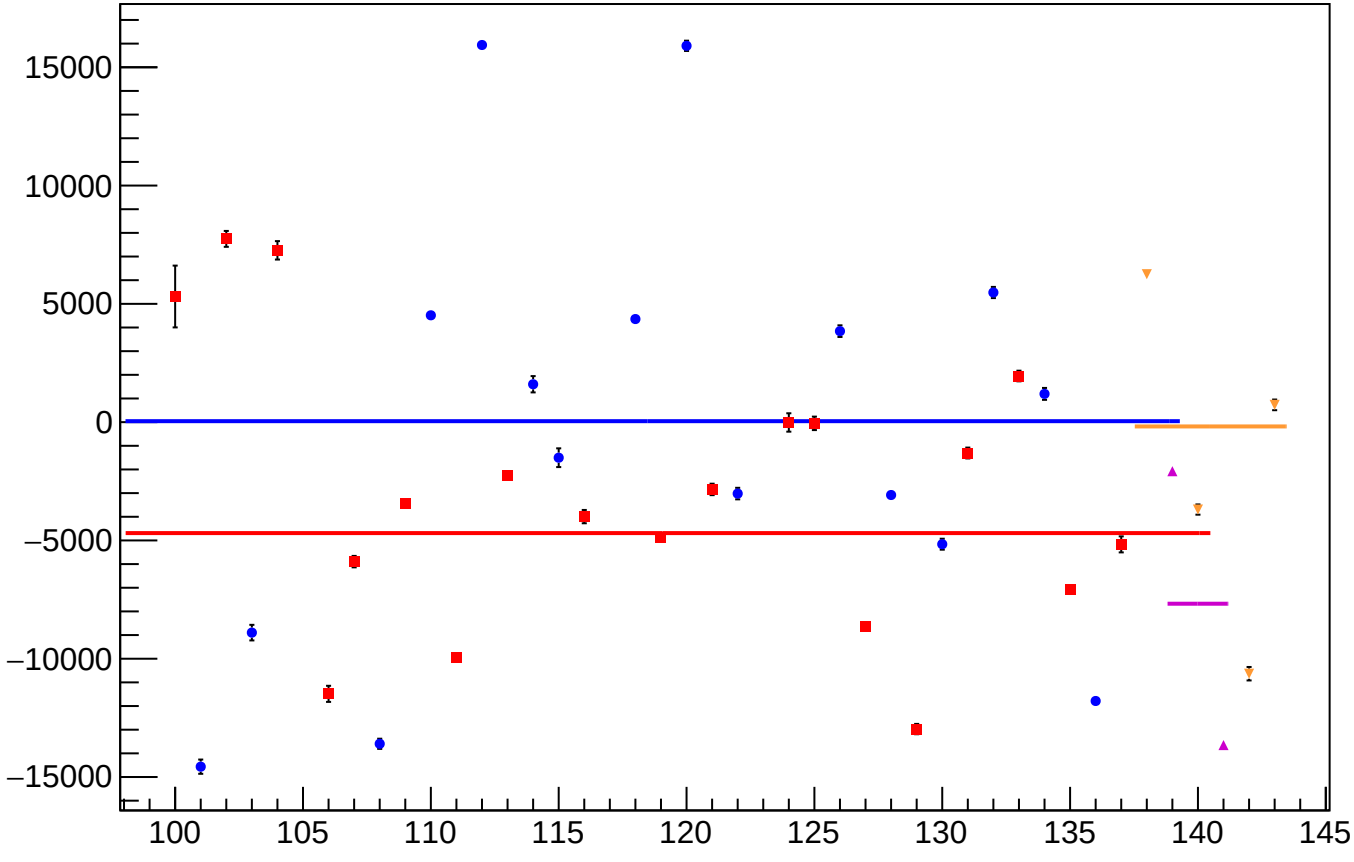
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 327.752+/-0.081 χ^2/NDF:1172658.4/17

Out: 312.804+/-0.071 χ^2/NDF:1087211.5/22

All: 319.368+/-0.053 χ^2/NDF: 2279120.3/40

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -181.800+/-110.270 χ^2/NDF:2824.5/3

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: -3160.243+/-85.594 χ^2/NDF: 6475.6/5

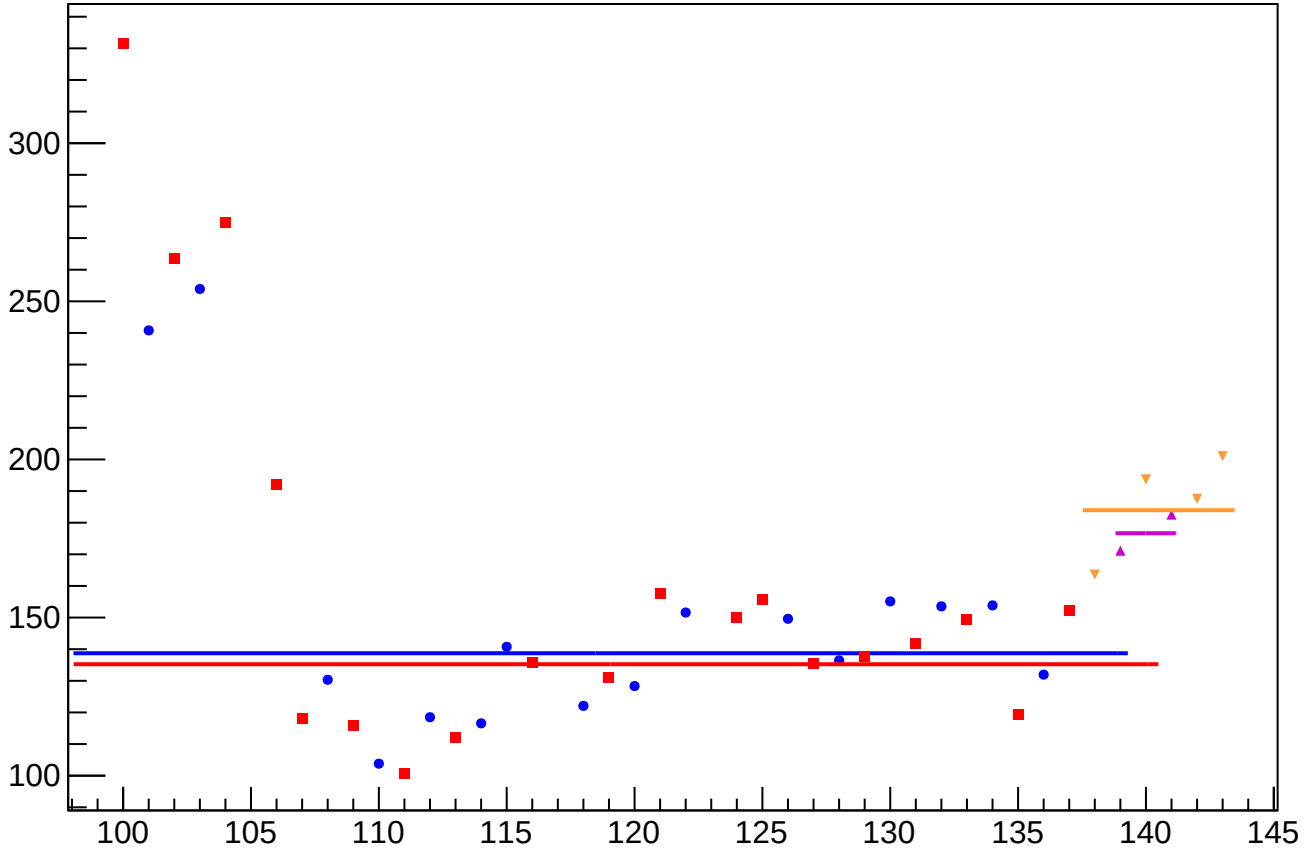
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1019.748+/-50.336 χ^2/NDF:35388.1/17

Out: -3867.160+/-47.103 χ^2/NDF:11986.4/22

All: -2537.825+/-34.393 χ^2/NDF: 49080.6/40

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 183.941+/-0.078 χ^2/NDF:39822.2/3

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: 181.052+/-0.061 χ^2/NDF: 46804.0/5

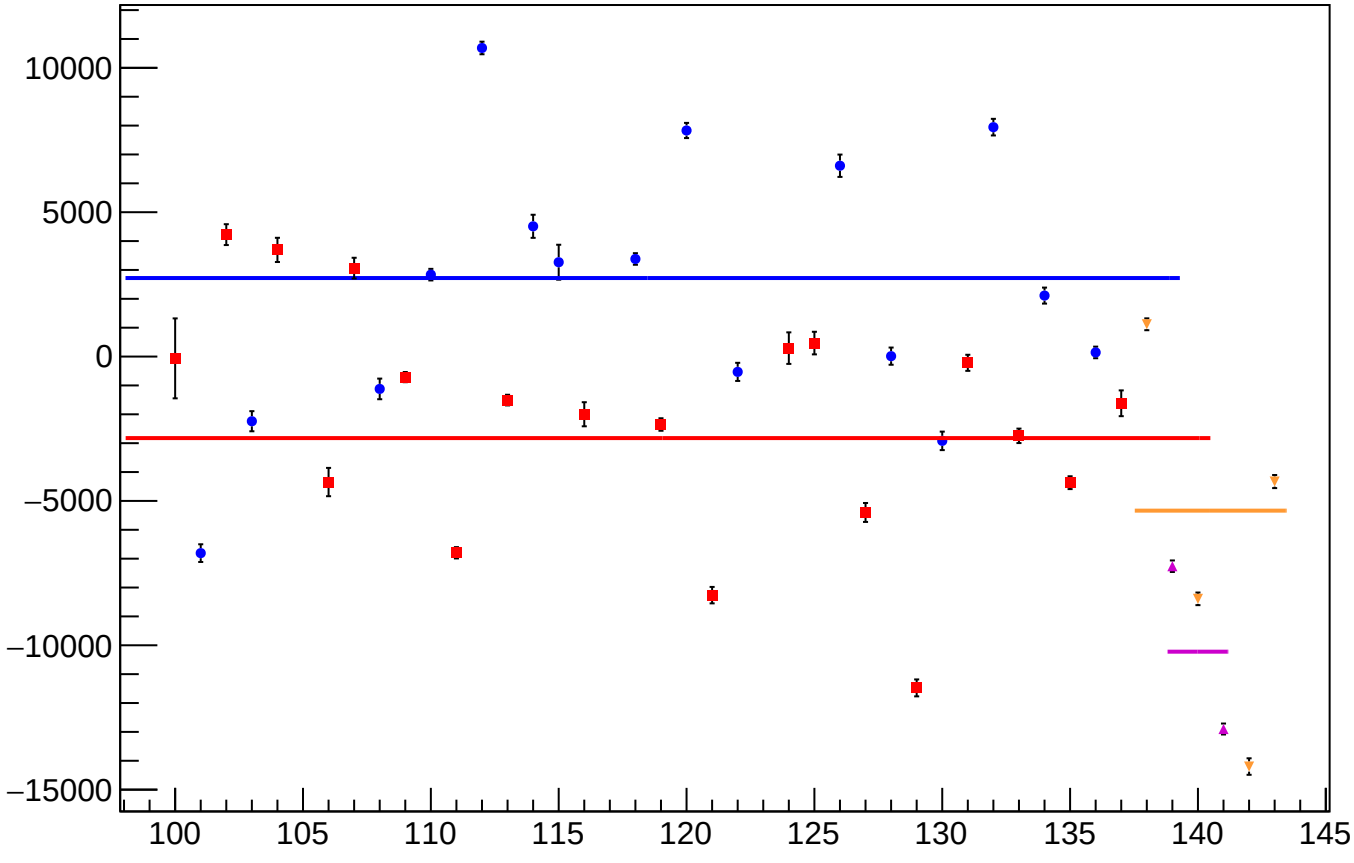
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 143.930+/-0.036 χ^2/NDF:796178.7/17

Out: 144.131+/-0.033 χ^2/NDF:1248717.5/22

All: 144.037+/-0.024 χ^2/NDF: 2044913.2/40

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5336.550+/-114.430 χ^2/NDF:2165.0/3

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: -7337.310+/-87.928 χ^2/NDF: 3331.5/5

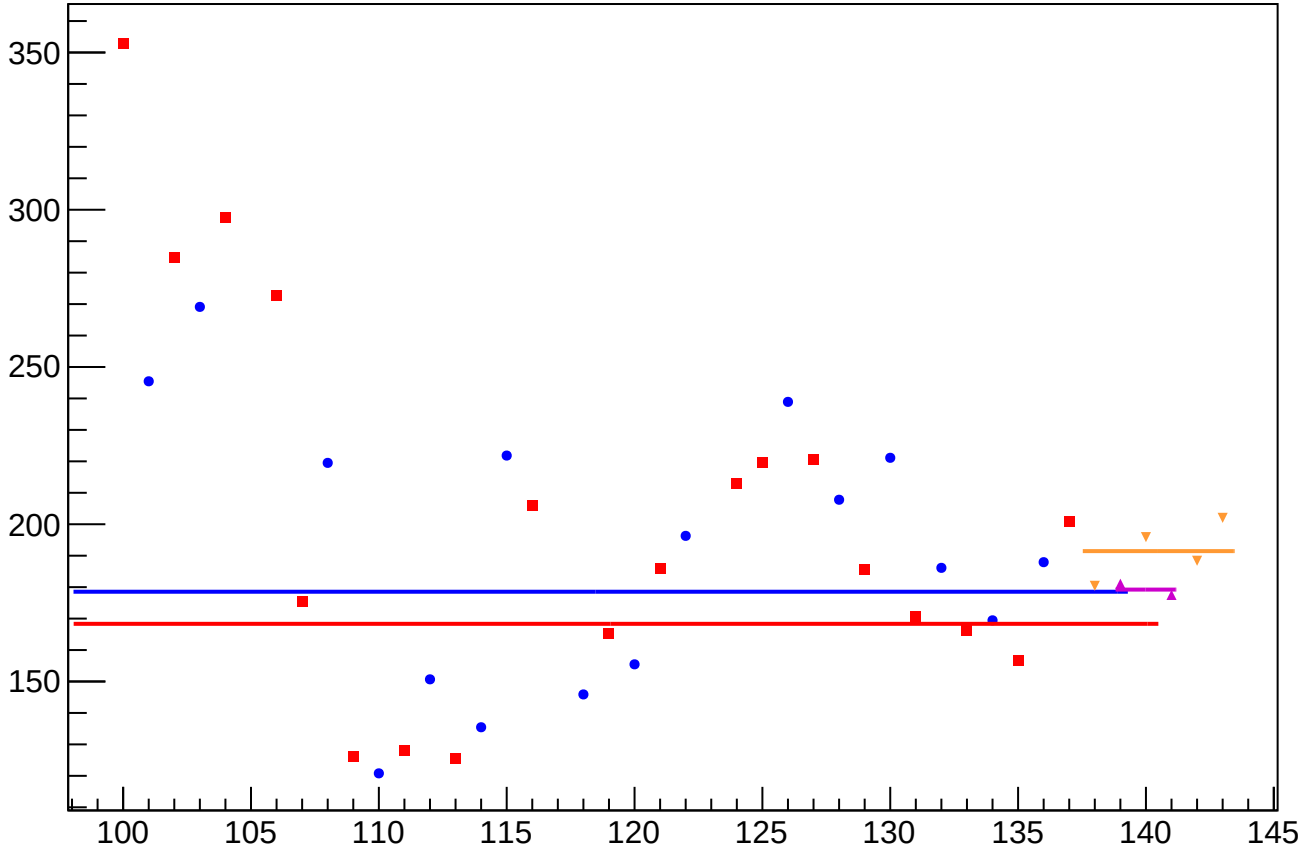
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: 98.408+/-61.837 χ^2/NDF:11624.4/17

Out: -3434.549+/-56.420 χ^2/NDF:5592.8/22

All: -1829.574+/-41.679 χ^2/NDF: 18998.6/40

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 191.455+/-0.081 χ^2/NDF:11182.8/3

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: 186.444+/-0.062 χ^2/NDF: 20882.6/5

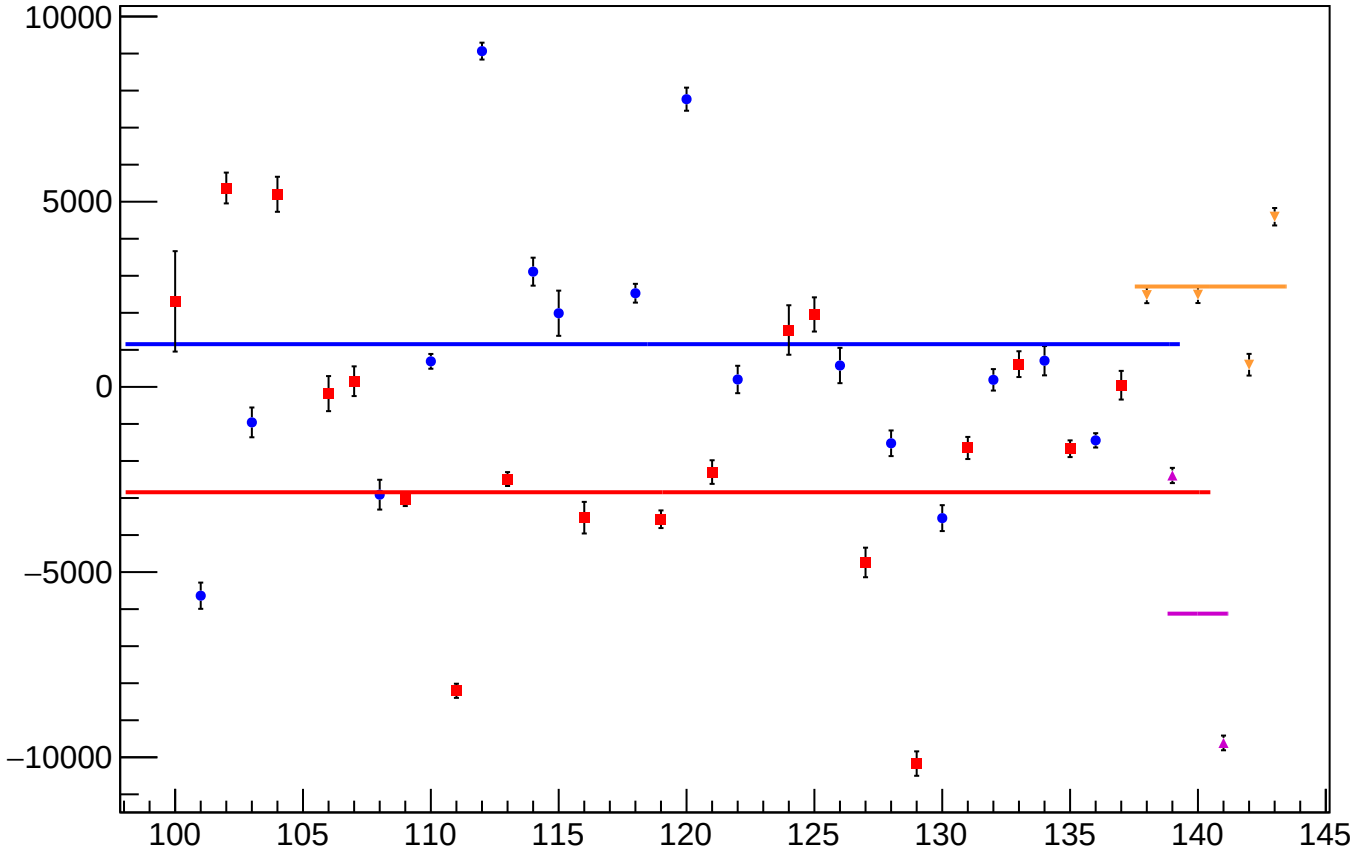
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.679+/-0.044 χ^2/NDF:674942.0/17

Out: 173.955+/-0.040 χ^2/NDF:1052465.1/22

All: 176.101+/-0.029 χ^2/NDF: 1733775.7/40

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2710.363+/-118.765 χ^2/NDF:118.1/3

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: -899.721+/-91.322 χ^2/NDF: 3016.8/5

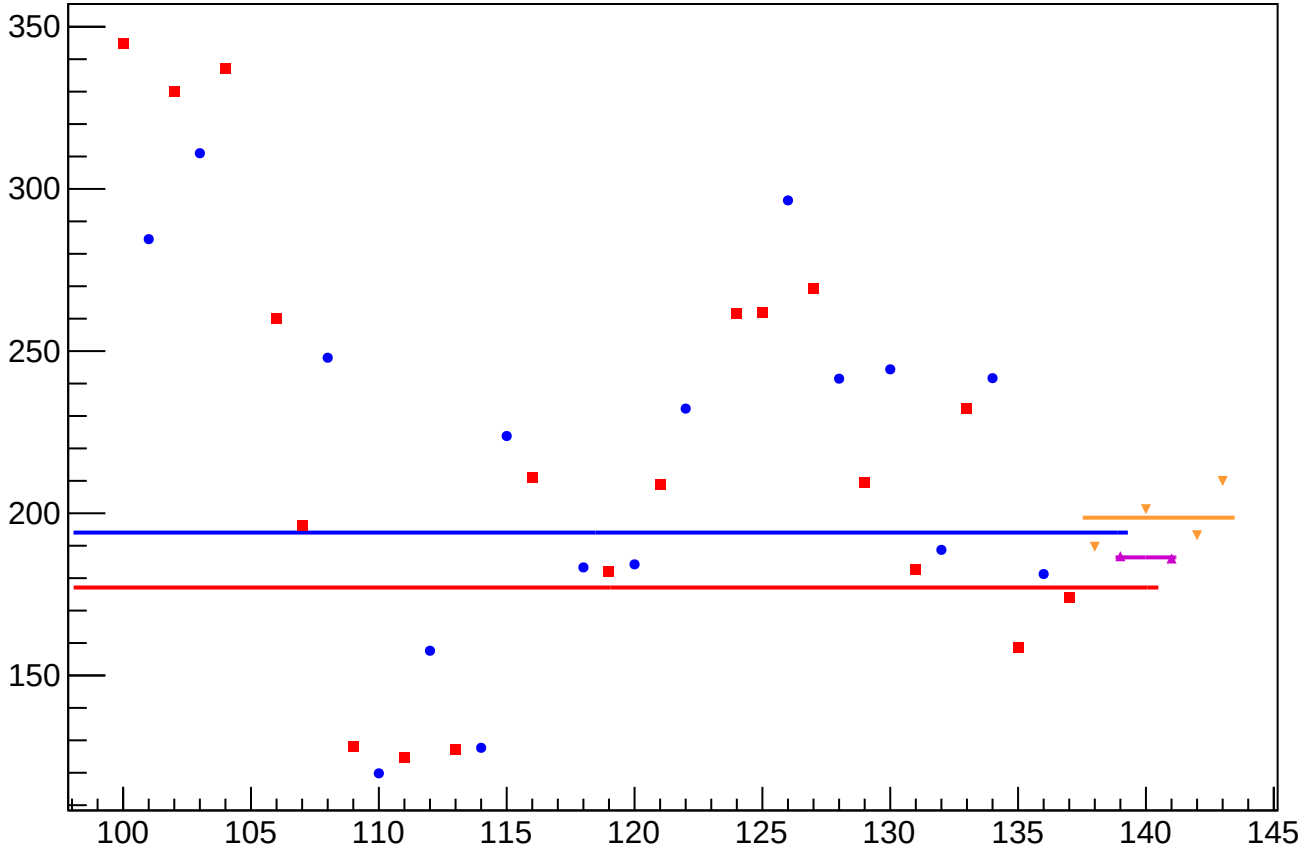
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -449.992+/-67.064 χ^2/NDF:5316.0/17

Out: -1438.010+/-59.752 χ^2/NDF:4204.8/22

All: -1000.787+/-44.613 χ^2/NDF: 9641.8/40

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 198.647+/-0.084 χ^2/NDF:9005.0/3

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: 193.644+/-0.065 χ^2/NDF: 17699.9/5

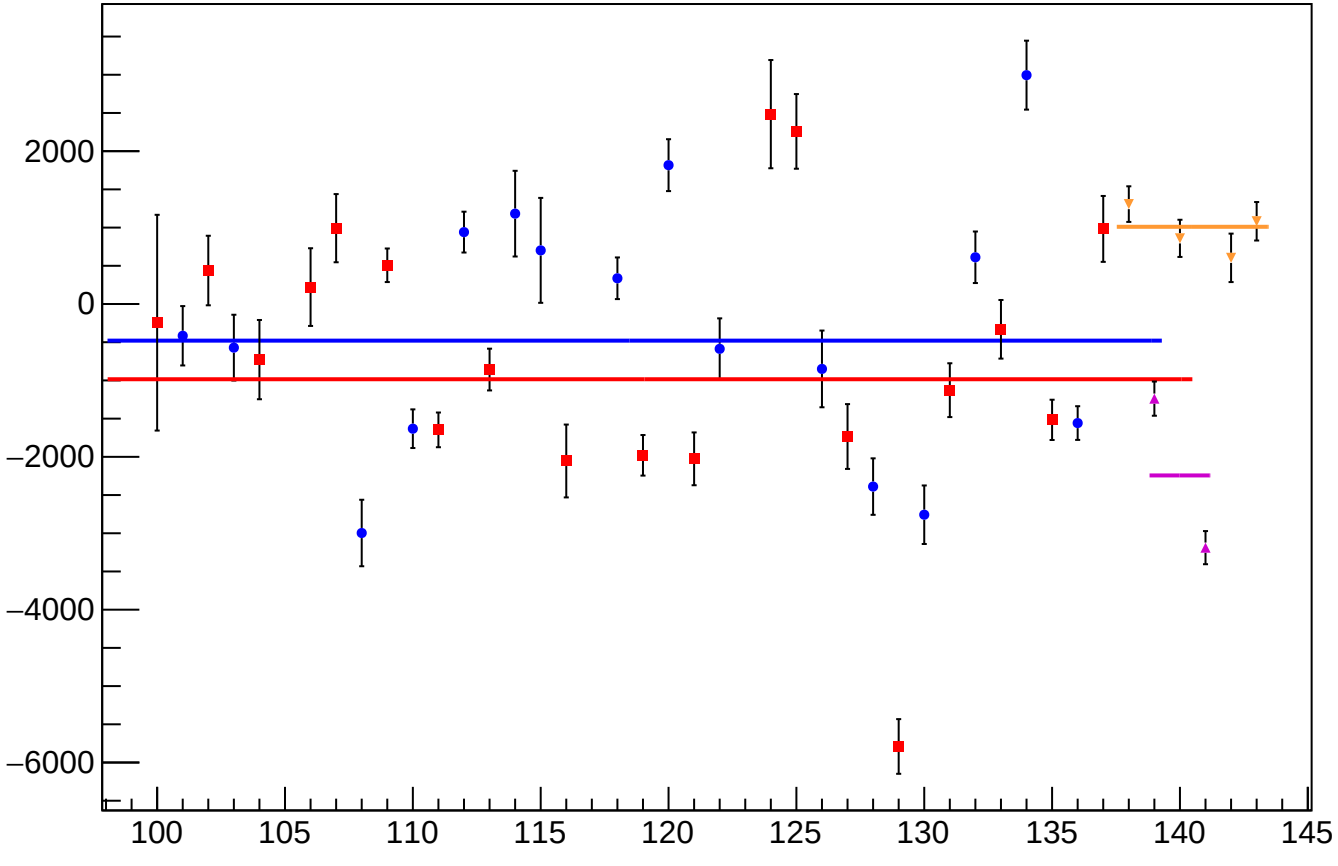
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 192.368+/-0.047 χ^2/NDF:970264.9/17

Out: 182.565+/-0.042 χ^2/NDF:1417451.4/22

All: 186.903+/-0.032 χ^2/NDF: 2411535.3/40

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1010.455+/-128.008 χ^2/NDF:3.7/3

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: -302.033+/-98.876 χ^2/NDF: 303.5/5

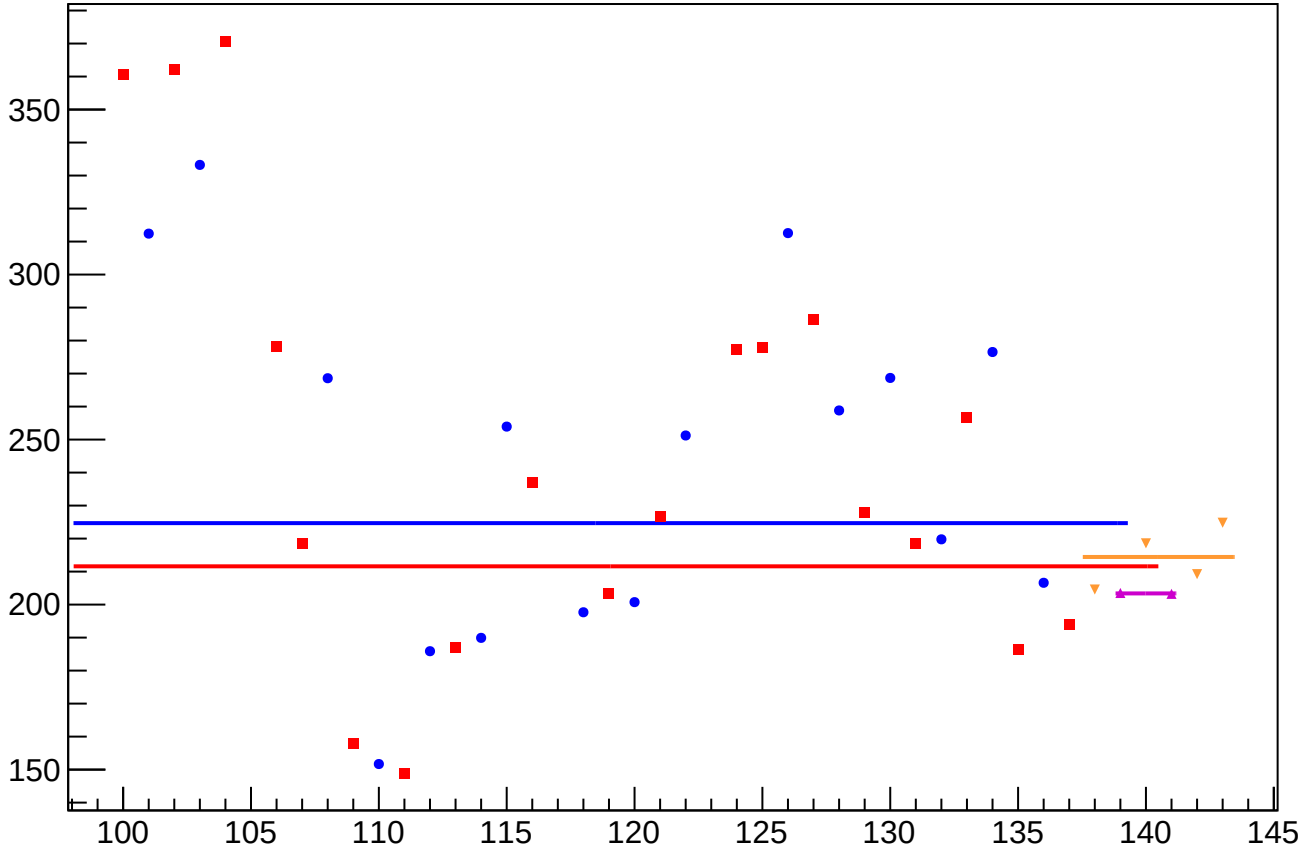
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -896.783+/-75.736 χ^2/NDF:442.6/17

Out: -414.653+/-68.415 χ^2/NDF:575.4/22

All: -631.294+/-50.768 χ^2/NDF: 1040.3/40

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 214.431+/-0.091 χ^2/NDF:8094.6/3

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: 209.976+/-0.070 χ^2/NDF: 14102.4/5

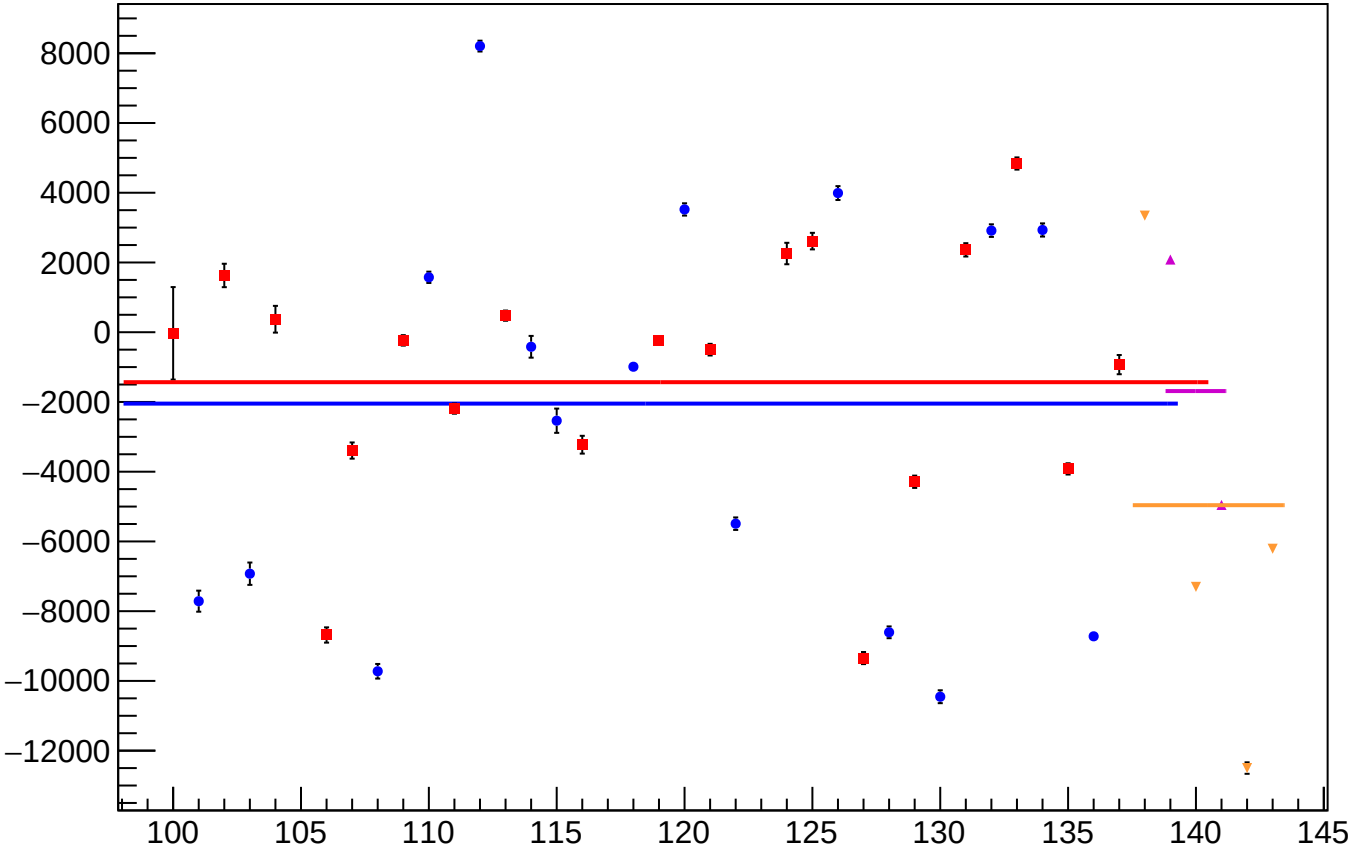
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.642+/-0.054 χ^2/NDF:681764.9/17

Out: 212.405+/-0.048 χ^2/NDF:941698.4/22

All: 215.657+/-0.036 χ^2/NDF: 1633520.4/40

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4960.490+/-65.950 χ^2/NDF:6786.1/3

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: -3752.202+/-52.380 χ^2/NDF: 9352.5/5

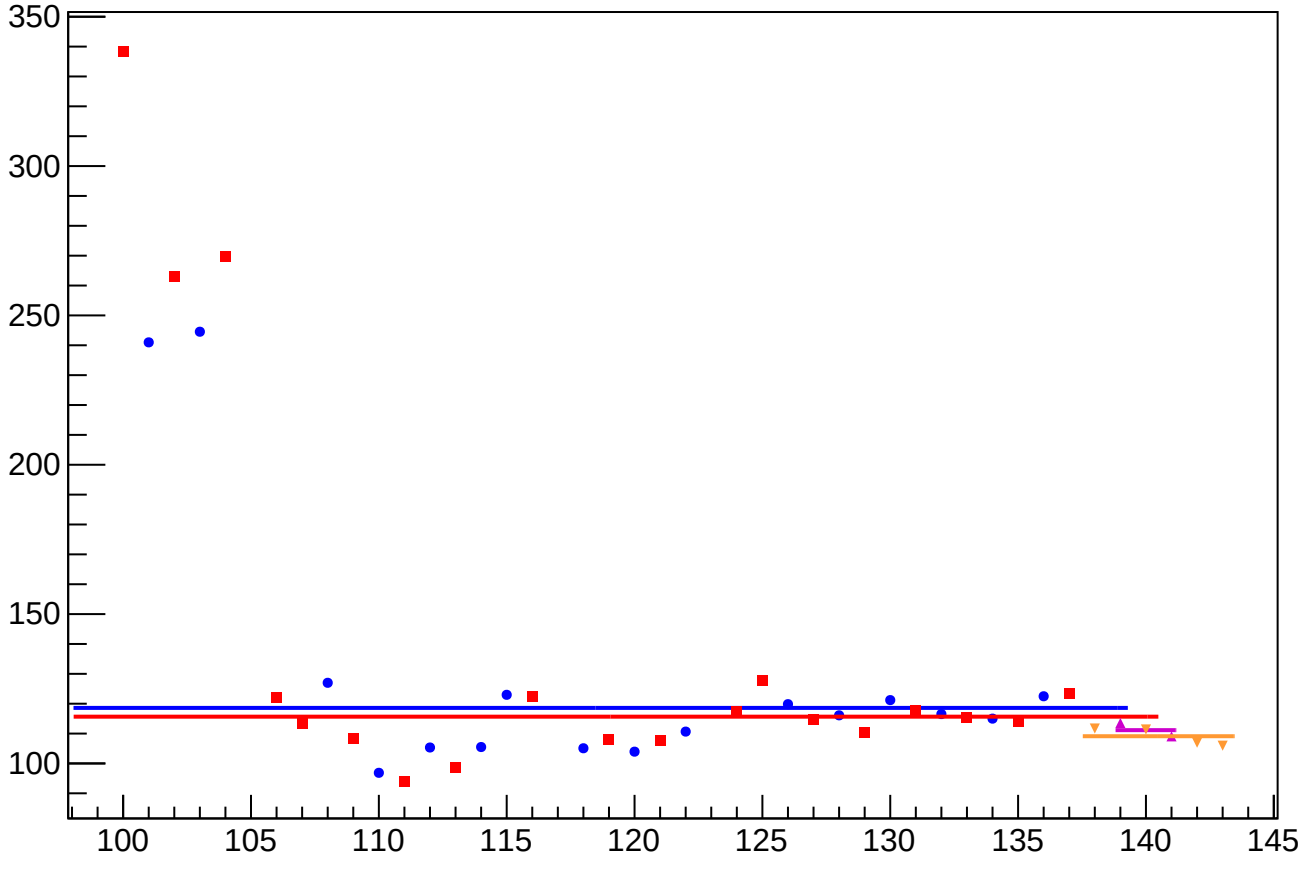
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -1965.608+/-41.077 χ^2/NDF:18379.8/17

Out: -2544.331+/-37.018 χ^2/NDF:15133.5/22

All: -2284.967+/-27.499 χ^2/NDF: 33622.8/40

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 109.113+/-0.047 χ^2/NDF:3199.0/3

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: 109.864+/-0.037 χ^2/NDF: 5245.0/5

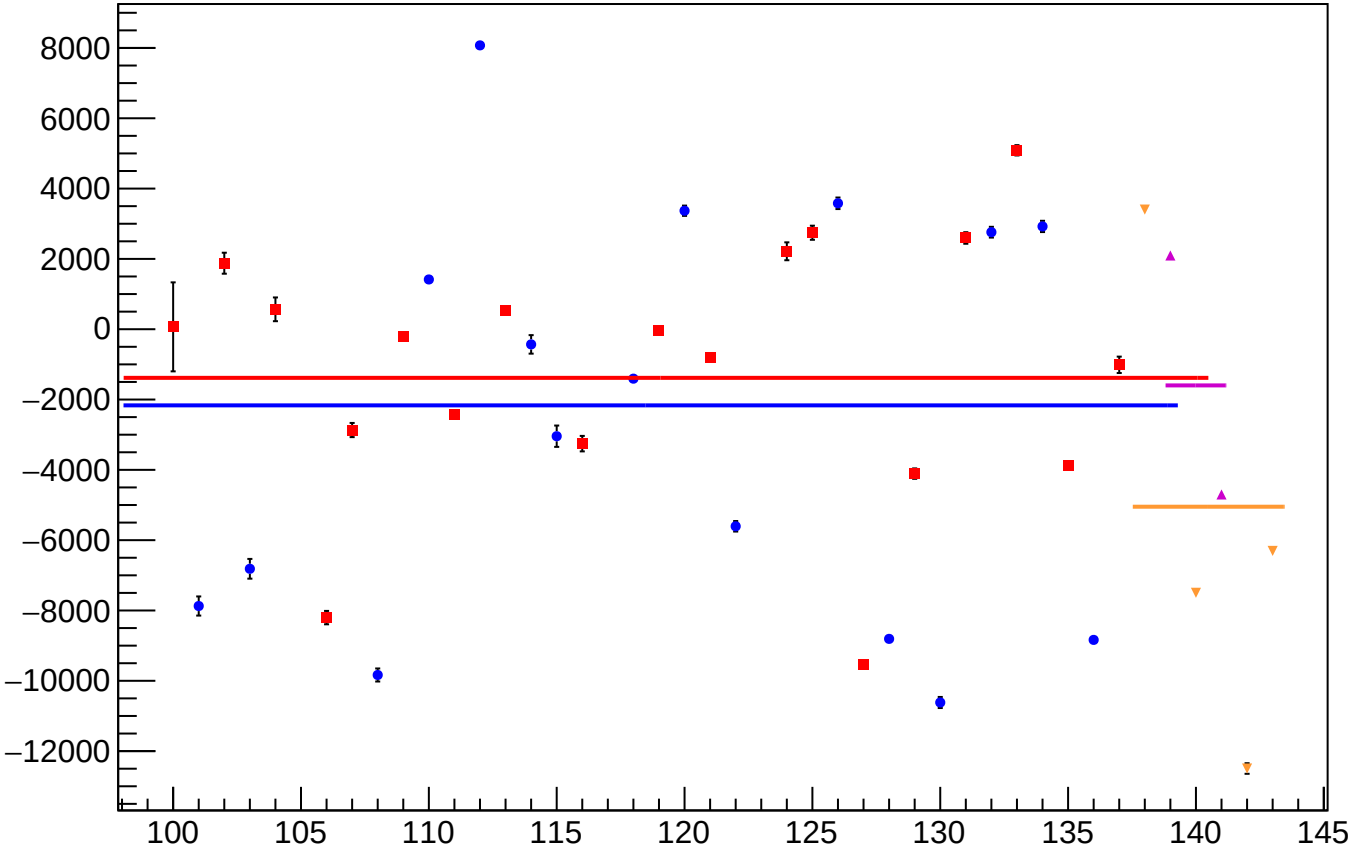
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.904+/-0.029 χ^2/NDF:747049.3/17

Out: 113.597+/-0.026 χ^2/NDF:880902.3/22

All: 115.079+/-0.019 χ^2/NDF: 1635106.0/40

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5048.463+/-59.696 χ^2/NDF:8332.2/3

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: -3787.482+/-47.552 χ^2/NDF: 11405.6/5

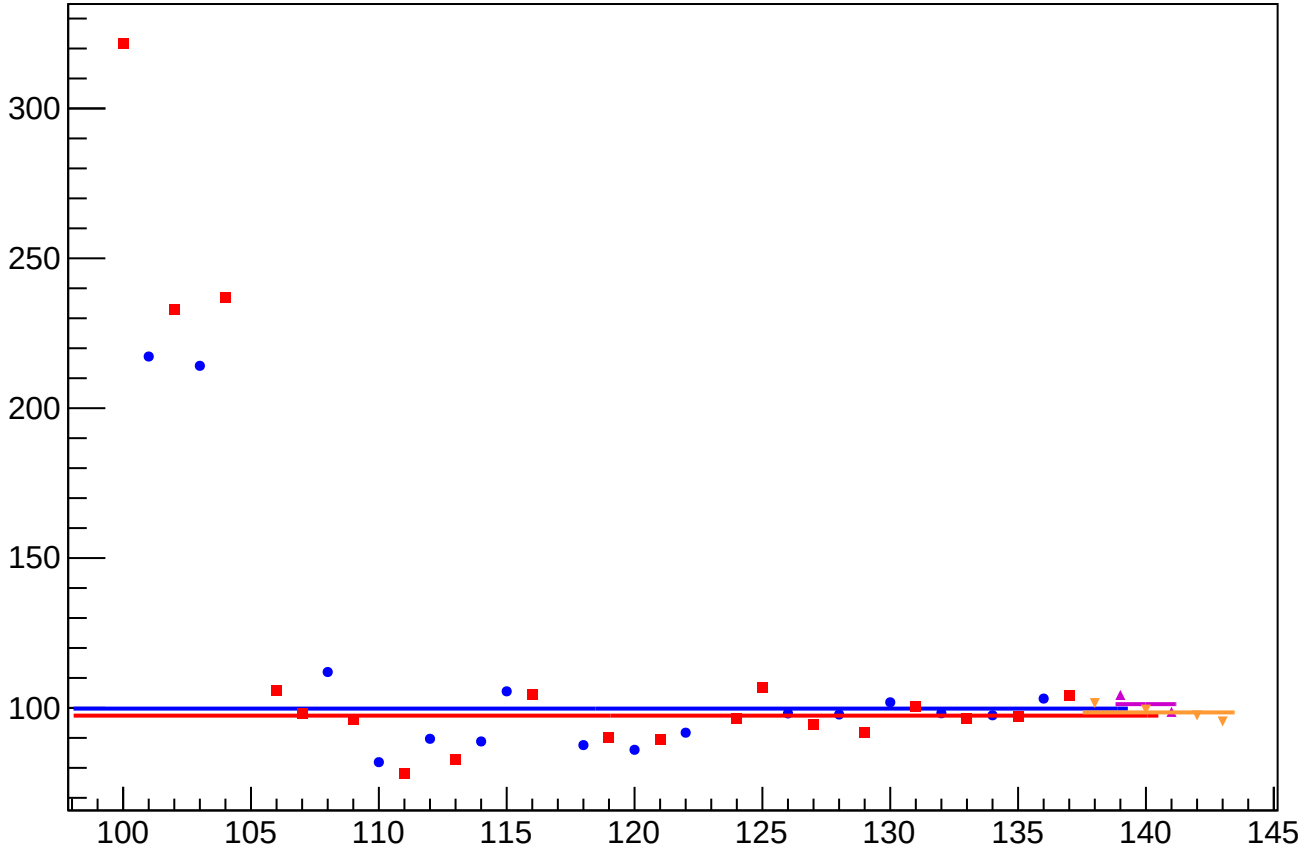
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -2050.935+/-35.393 χ^2/NDF:24768.9/17

Out: -2439.093+/-32.042 χ^2/NDF:20164.7/22

All: -2264.257+/-23.754 χ^2/NDF: 44999.7/40

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 98.500+/-0.042 χ^2/NDF:3204.2/3

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: 99.509+/-0.034 χ^2/NDF: 7323.8/5

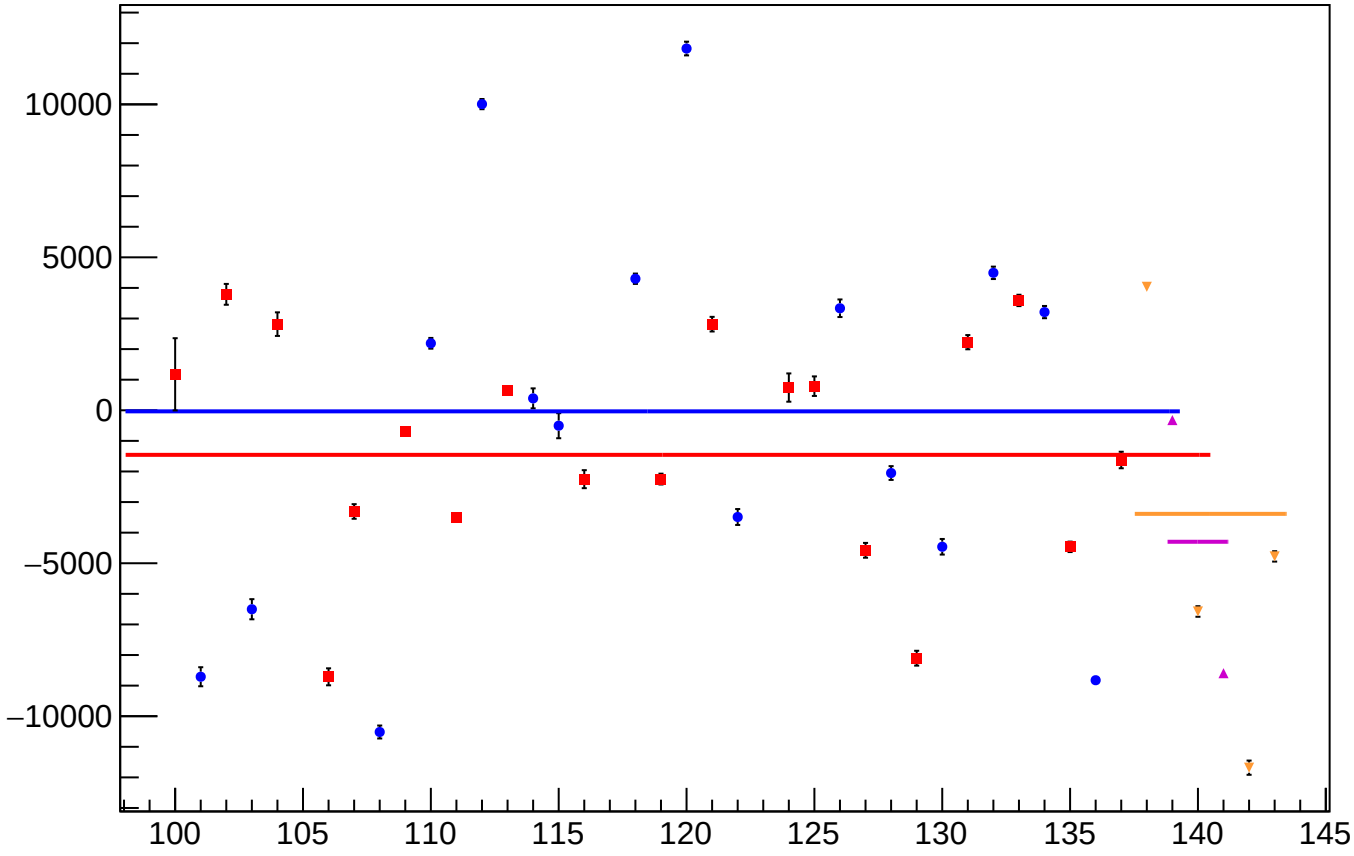
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 100.076+/-0.025 χ^2/NDF:812278.4/17

Out: 97.737+/-0.023 χ^2/NDF:929711.6/22

All: 98.790+/-0.017 χ^2/NDF: 1746791.0/40

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3385.558+/-88.278 χ^2/NDF:3969.5/3

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: -3725.142+/-69.942 χ^2/NDF: 5309.7/5

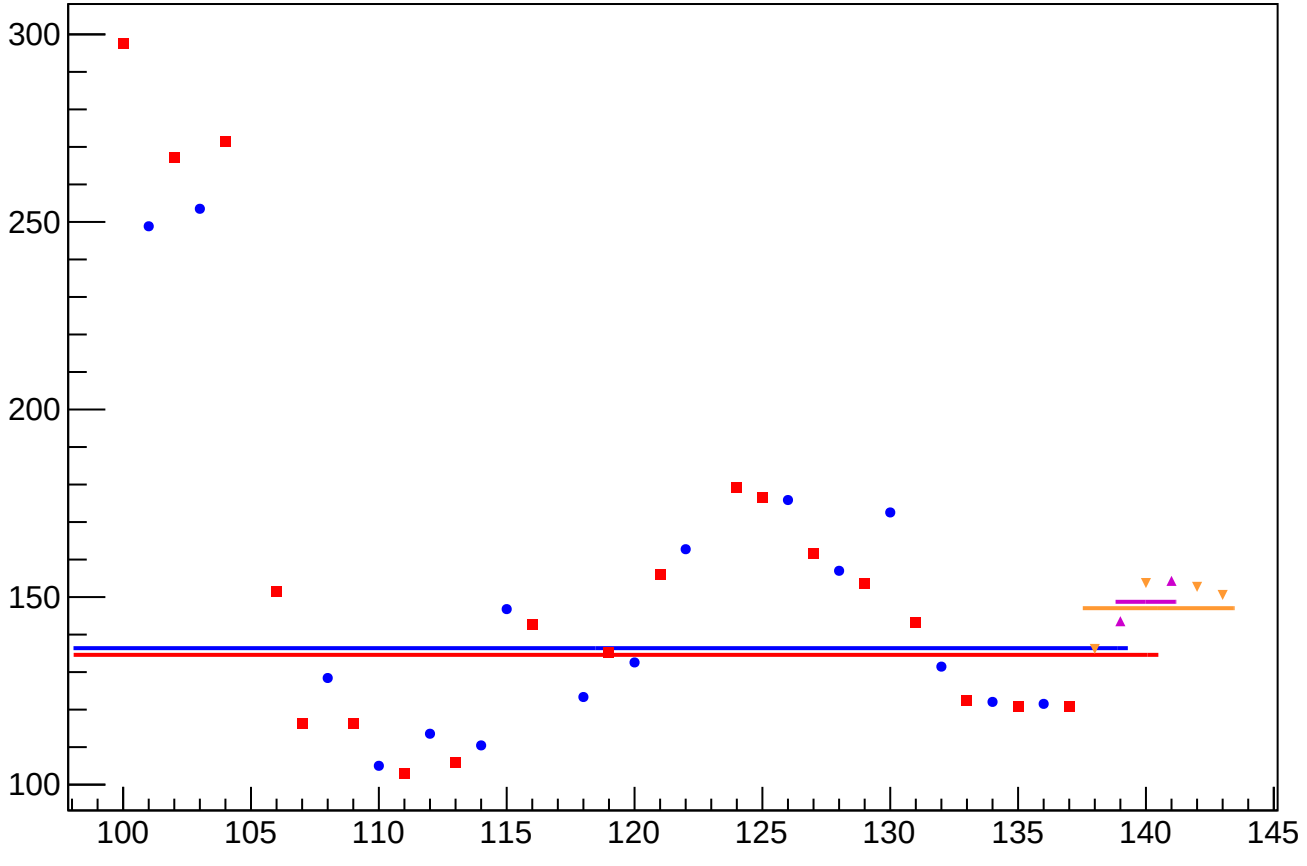
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -796.340+/-48.454 χ^2/NDF:19239.2/17

Out: -1952.773+/-44.770 χ^2/NDF:8441.1/22

All: -1420.188+/-32.883 χ^2/NDF: 27987.6/40

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 147.039+/-0.062 χ^2/NDF:14884.7/3

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 148.740+/-0.081 χ^2/NDF:4398.4/1

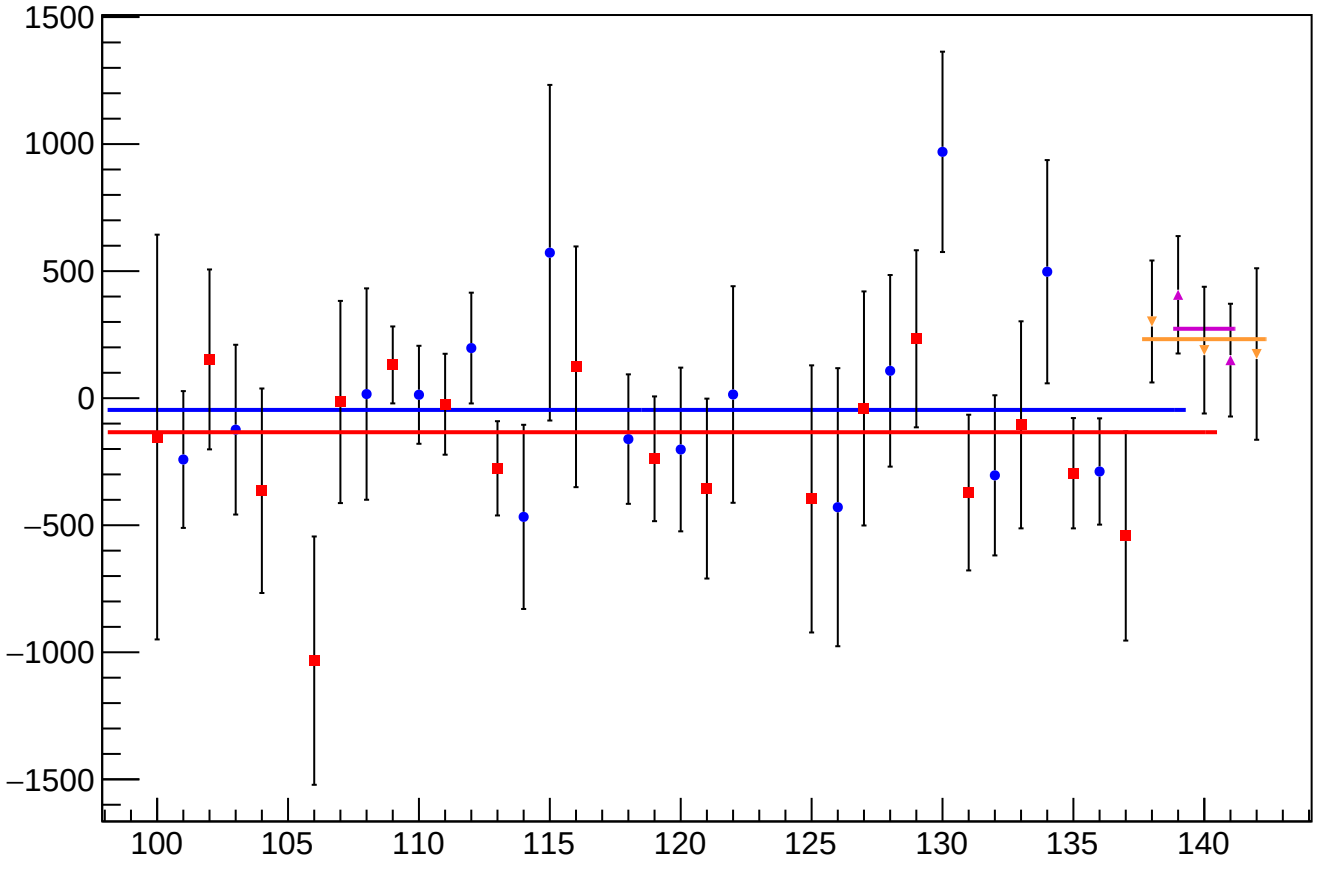
Left: 147.672+/-0.049 χ^2/NDF: 19559.4/5

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 138.591+/-0.034 χ^2/NDF:820340.3/17

Out: 137.798+/-0.032 χ^2/NDF:963995.6/22

All: 138.163+/-0.023 χ^2/NDF: 1784624.7/40



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 232.290+/-153.894 χ^2/NDF:0.1/2

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 273.160+/-160.024 χ^2/NDF:0.6/1

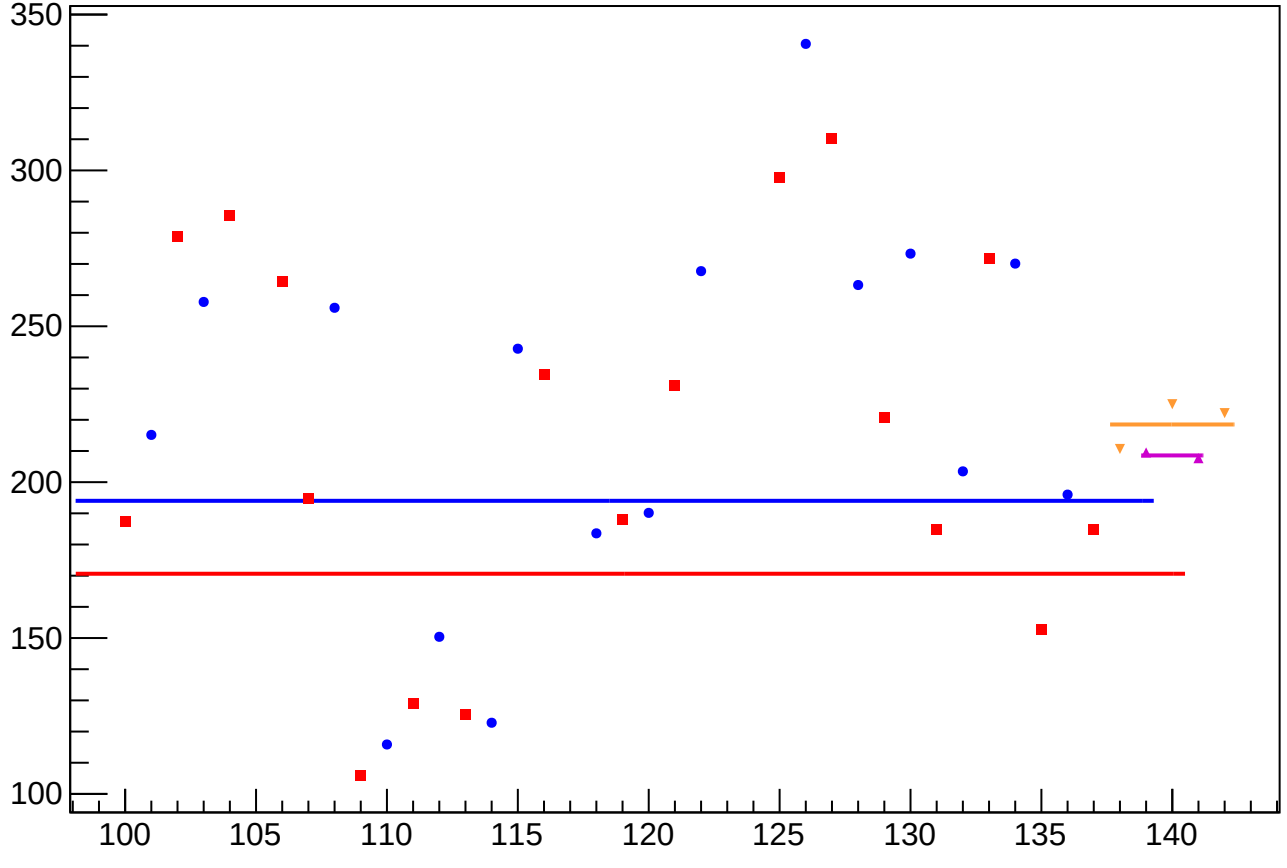
Left: 251.927+/-110.923 χ^2/NDF: 0.8/4

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 12.935+/-68.859 χ^2/NDF:19.4/17

Out: -73.485+/-62.515 χ^2/NDF:17.7/20

All: -34.439+/-46.285 χ^2/NDF: 37.9/38



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 218.505+/-0.109 χ^2/NDF:3735.0/2

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 208.576+/-0.113 χ^2/NDF:66.3/1

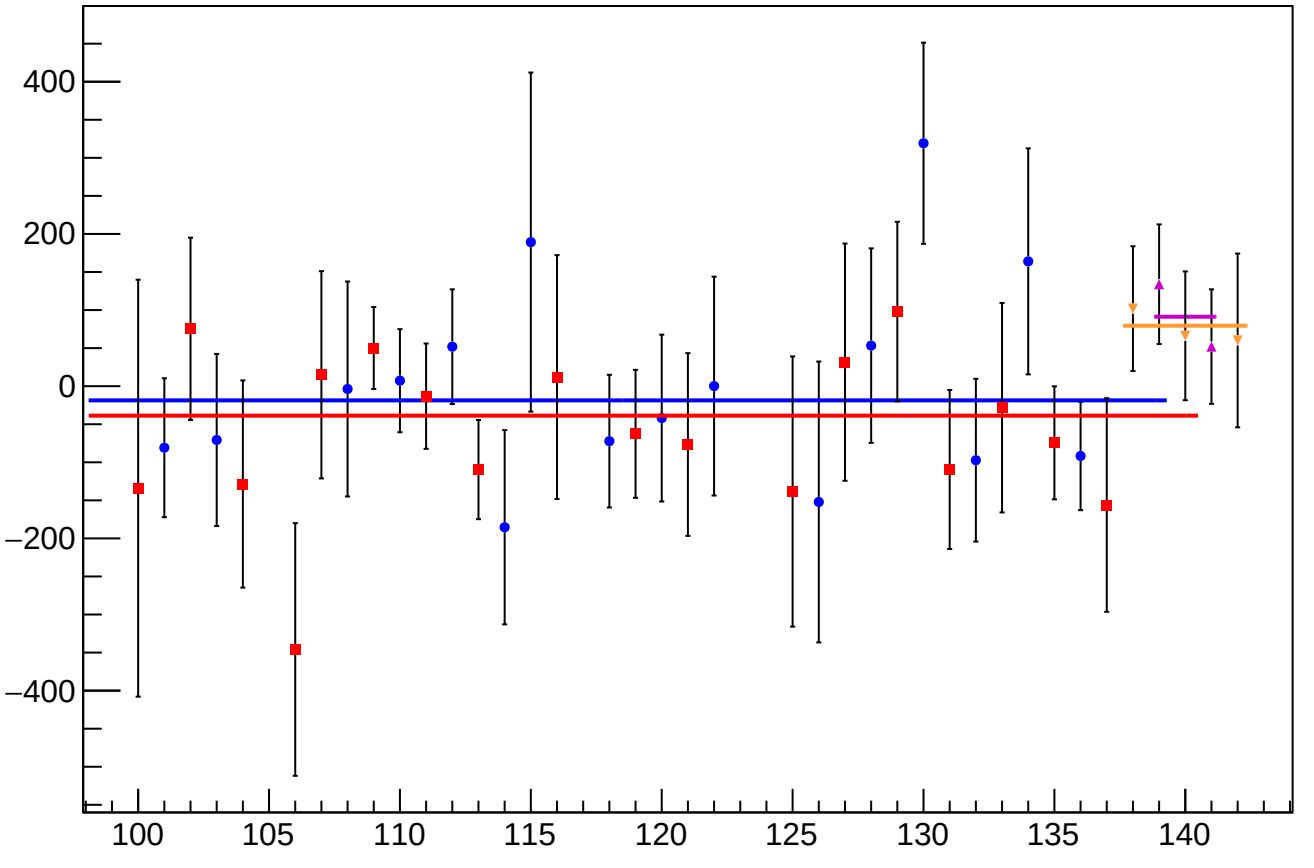
Left: 213.734+/-0.078 χ^2/NDF: 7801.6/4

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 196.713+/-0.049 χ^2/NDF:1057144.2/17

Out: 178.525+/-0.044 χ^2/NDF:1759128.9/20

All: 186.742+/-0.033 χ^2/NDF: 2892762.1/38



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 79.446+/-52.315 χ^2/NDF:0.1/2

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 91.233+/-54.348 χ^2/NDF:0.6/1

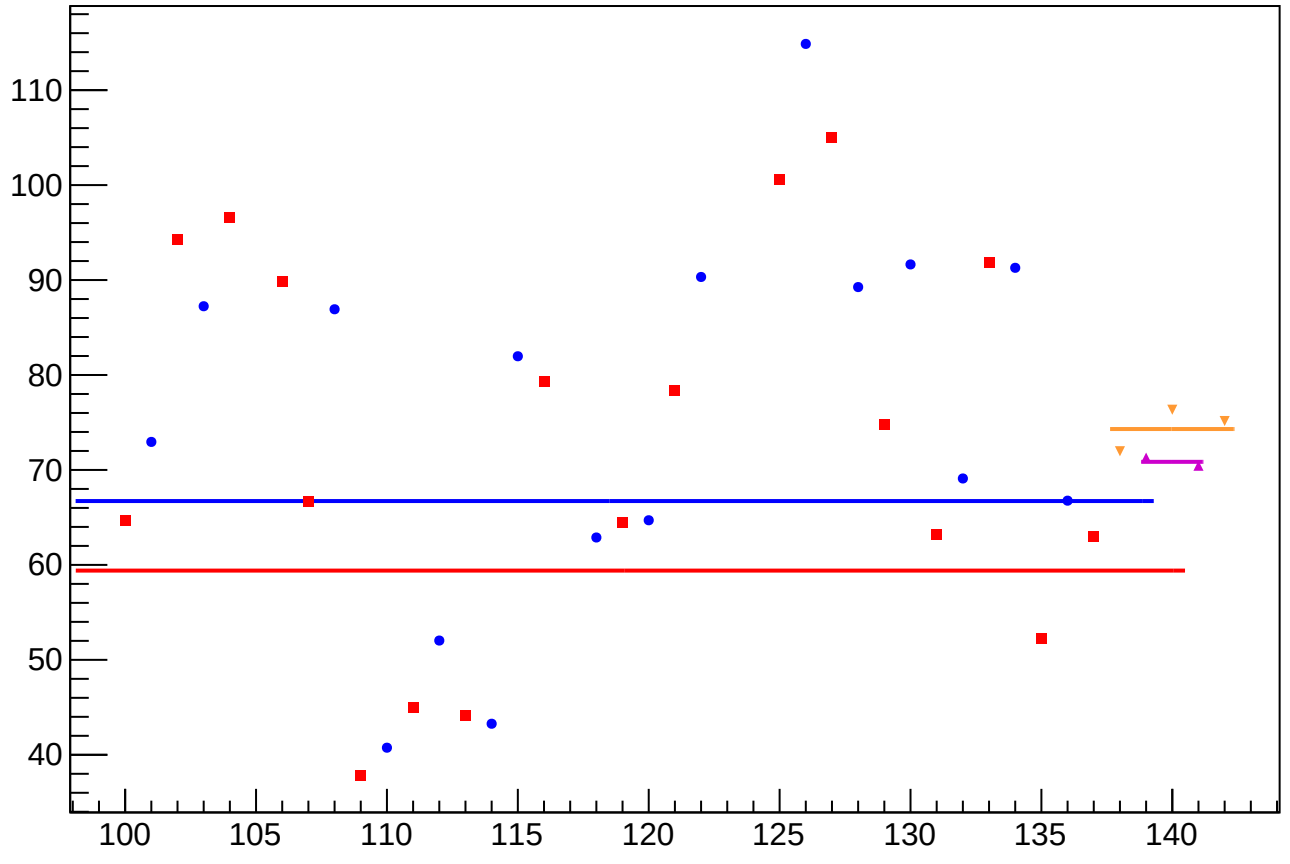
Left: 85.115+/-37.691 χ^2/NDF: 0.7/4

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 1.976+/-23.544 χ^2/NDF:19.1/17

Out: -18.663+/-21.552 χ^2/NDF:17.0/20

All: -9.254+/-15.897 χ^2/NDF: 36.5/38



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 74.309+/-0.037 χ^2/NDF:2893.9/2

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 70.854+/-0.038 χ^2/NDF:123.0/1

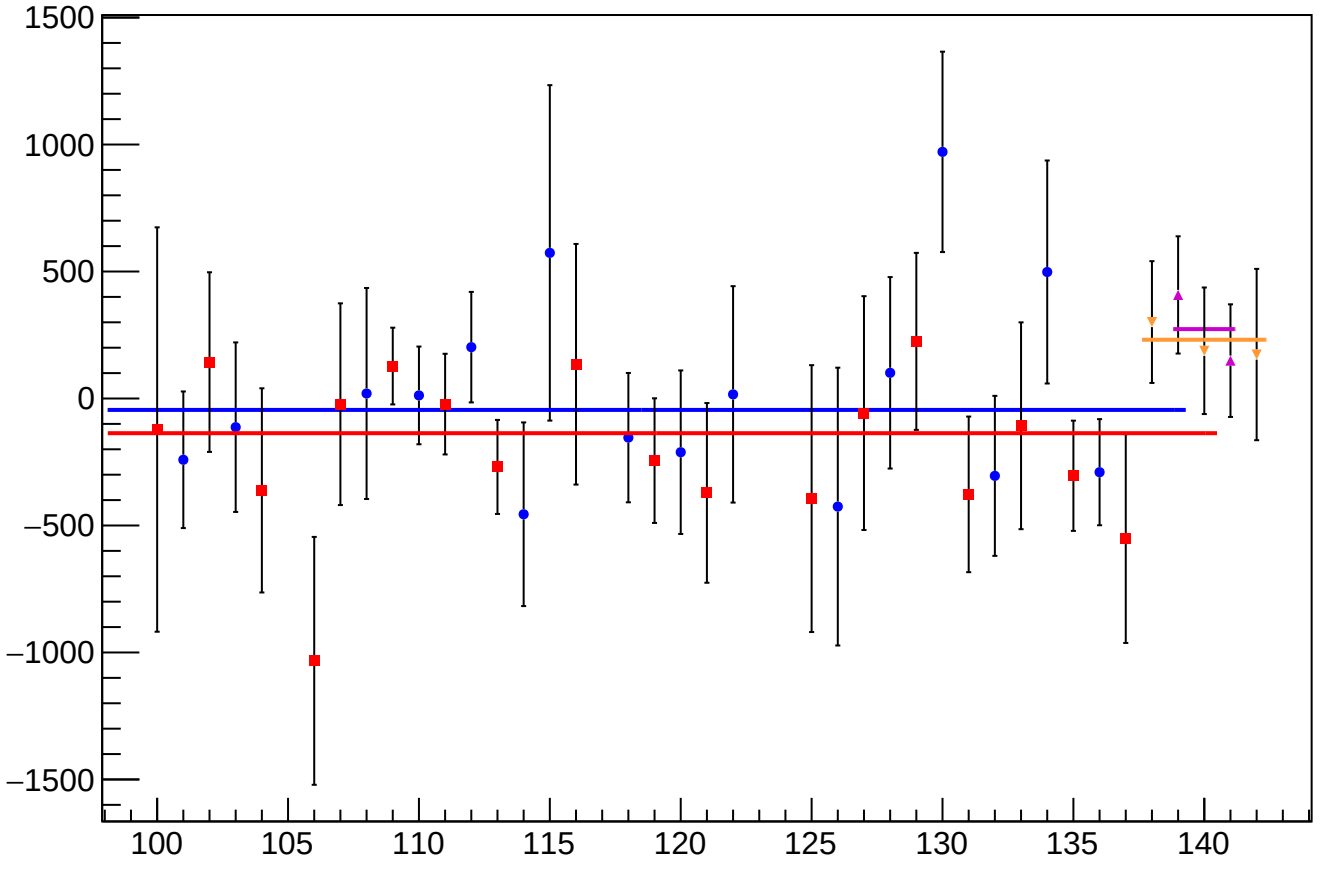
Left: 72.647+/-0.027 χ^2/NDF: 7213.7/4

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 67.499+/-0.017 χ^2/NDF:956542.1/17

Out: 61.931+/-0.015 χ^2/NDF:1583126.7/20

All: 64.469+/-0.011 χ^2/NDF: 2600543.0/38



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 231.376+/-153.761 χ^2/NDF:0.1/2

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 273.267+/-159.901 χ^2/NDF:0.7/1

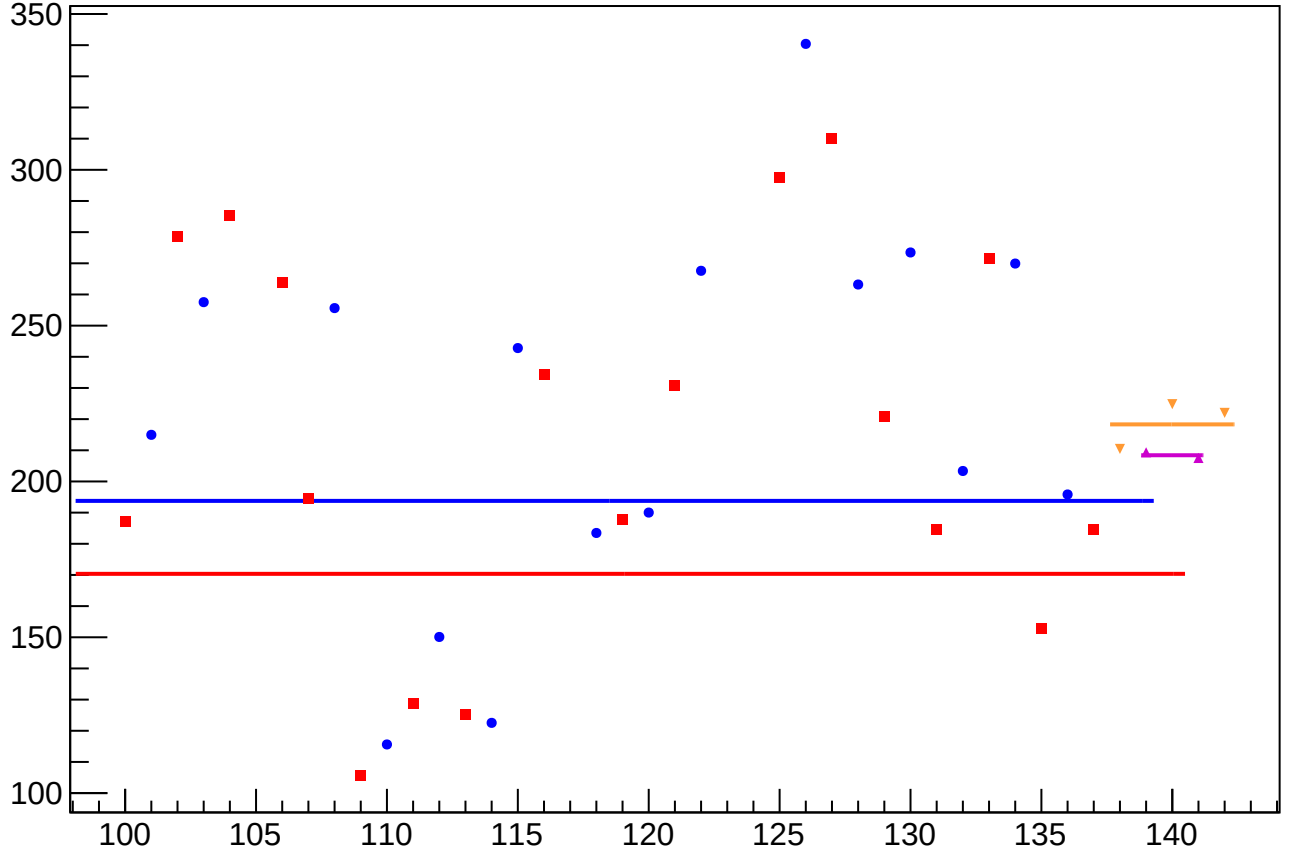
Left: 251.502+/-110.833 χ^2/NDF: 0.8/4

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 13.966+/-68.787 χ^2/NDF:19.3/17

Out: -75.909+/-62.436 χ^2/NDF:17.8/20

All: -35.311+/-46.232 χ^2/NDF: 38.1/38



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 218.316+/-0.109 χ^2/NDF:3752.7/2

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 208.414+/-0.113 χ^2/NDF:64.8/1

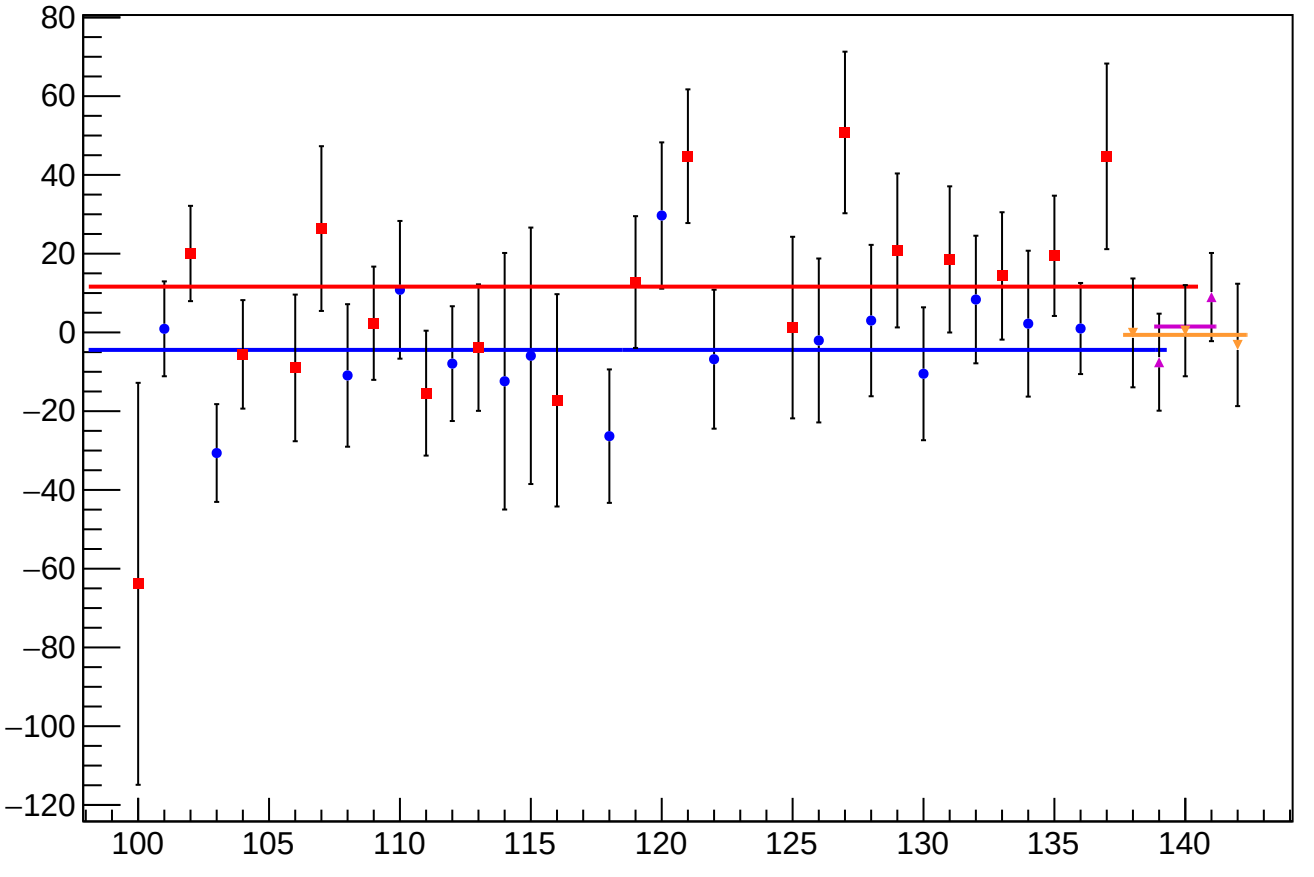
Left: 213.559+/-0.078 χ^2/NDF: 7801.9/4

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 196.478+/-0.049 χ^2/NDF:1061834.7/17

Out: 178.265+/-0.044 χ^2/NDF:1765259.3/20

All: 186.492+/-0.033 χ^2/NDF: 2903969.9/38



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.623+/-7.707 χ^2/NDF:0.0/2

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 1.496+/-8.286 χ^2/NDF:1.0/1

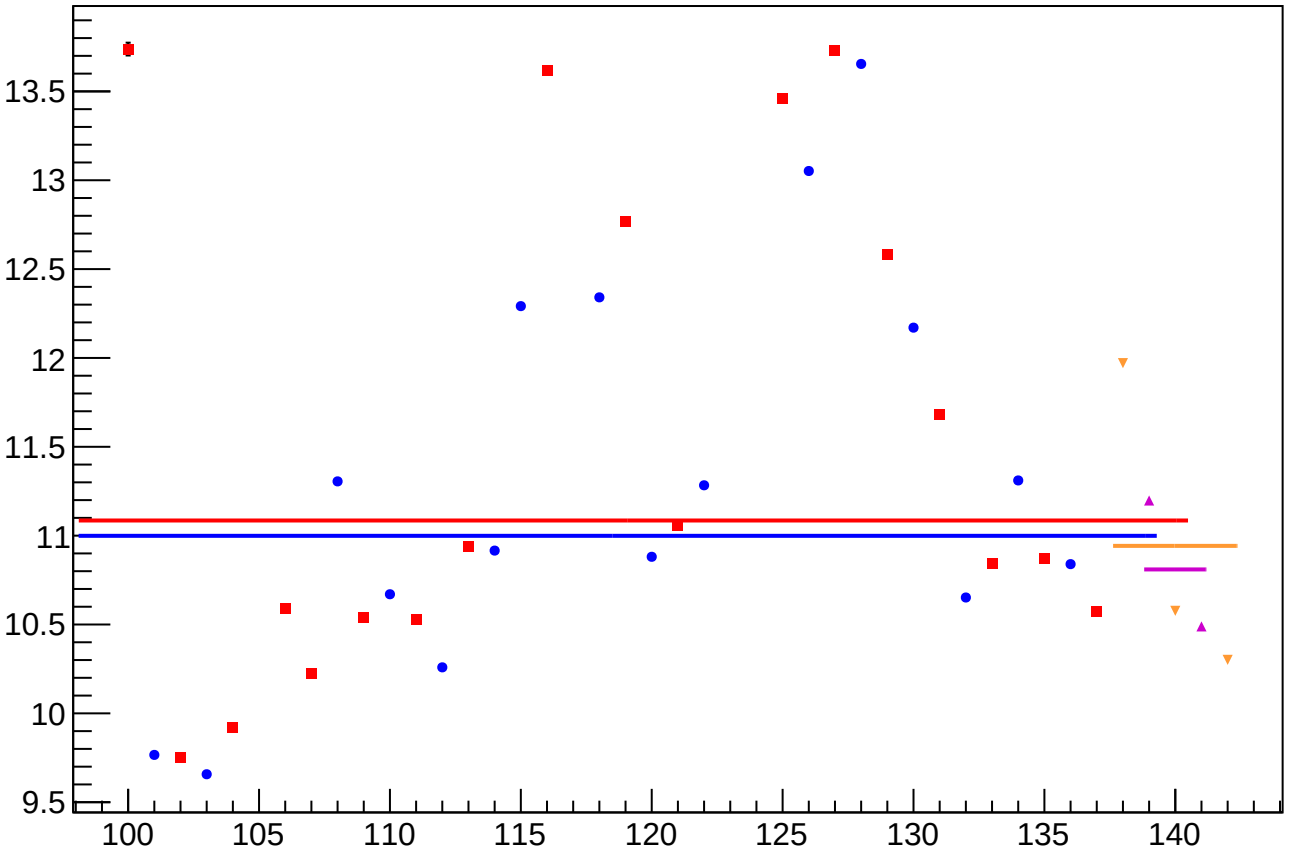
Left: 0.360+/-5.643 χ^2/NDF: 1.1/4

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -3.258+/-3.697 χ^2/NDF:13.4/17

Out: 8.887+/-3.645 χ^2/NDF:23.6/20

All: 2.901+/-2.595 χ^2/NDF: 42.5/38



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.942+/-0.005 χ^2/NDF:16471.4/2

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.810+/-0.006 χ^2/NDF:3622.0/1

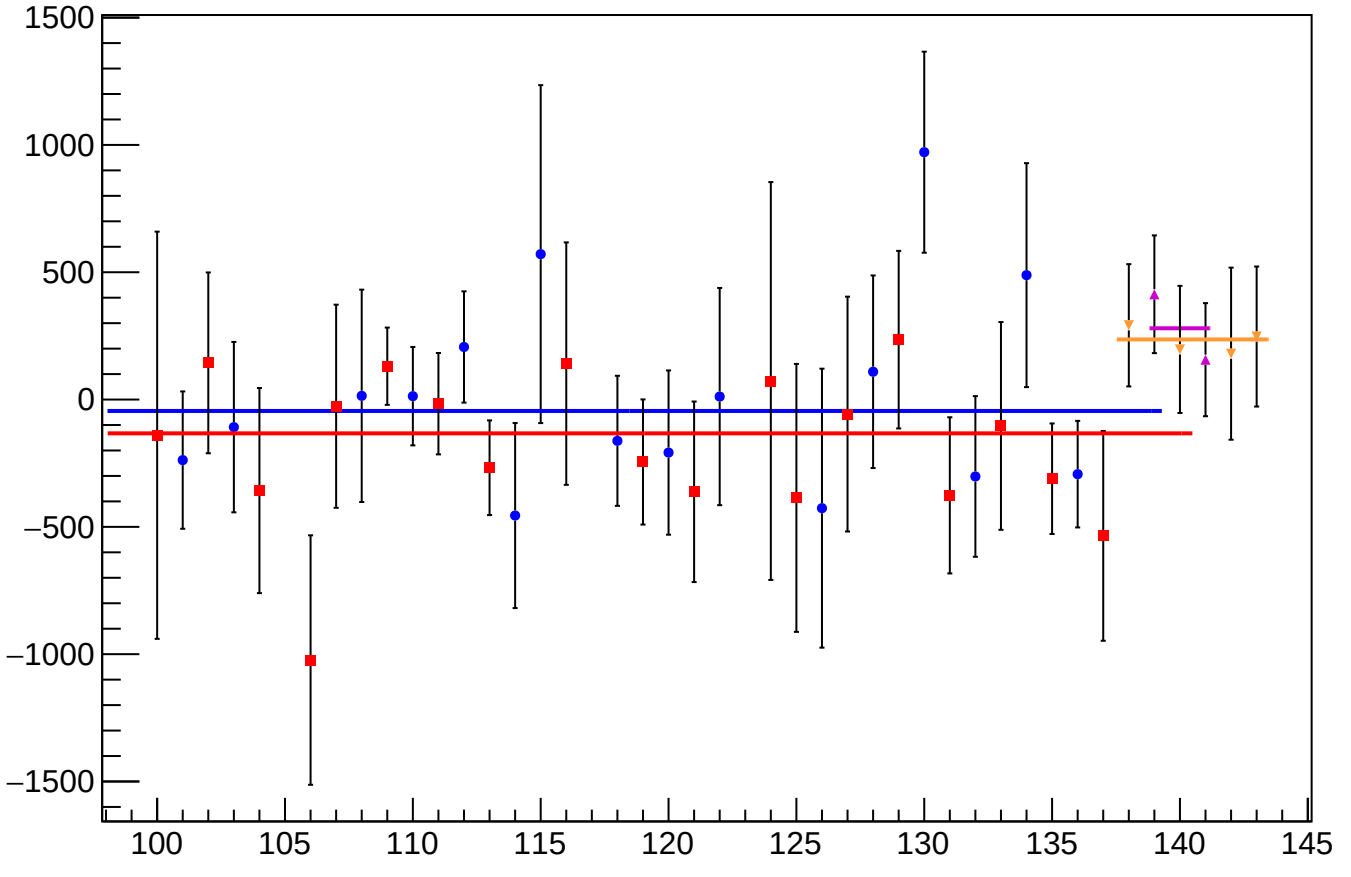
Left: 10.881+/-0.004 χ^2/NDF: 20368.1/4

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.961+/-0.003 χ^2/NDF:140615.9/17

Out: 11.053+/-0.003 χ^2/NDF:179208.8/20

All: 11.008+/-0.002 χ^2/NDF: 320452.5/38



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 236.018+/-134.378 χ^2/NDF:0.1/3

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 279.905+/-160.159 χ^2/NDF:0.6/1

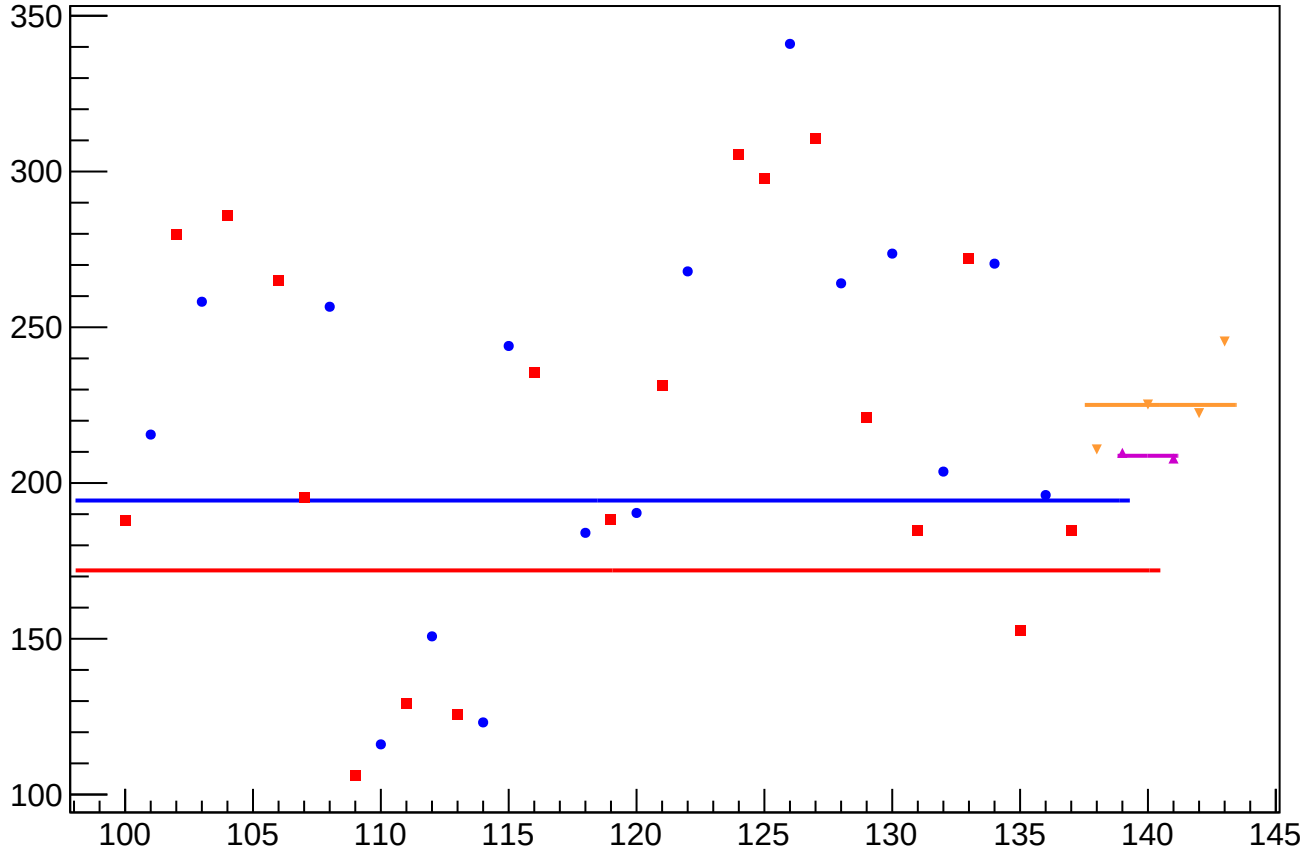
Left: 254.149+/-102.943 χ^2/NDF: 0.8/5

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 15.424+/-68.973 χ^2/NDF:19.4/17

Out: -57.079+/-60.865 χ^2/NDF:18.9/22

All: -25.338+/-45.637 χ^2/NDF: 39.0/40



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 225.077+/-0.095 χ^2/NDF:18167.5/3

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 208.750+/-0.113 χ^2/NDF:65.1/1

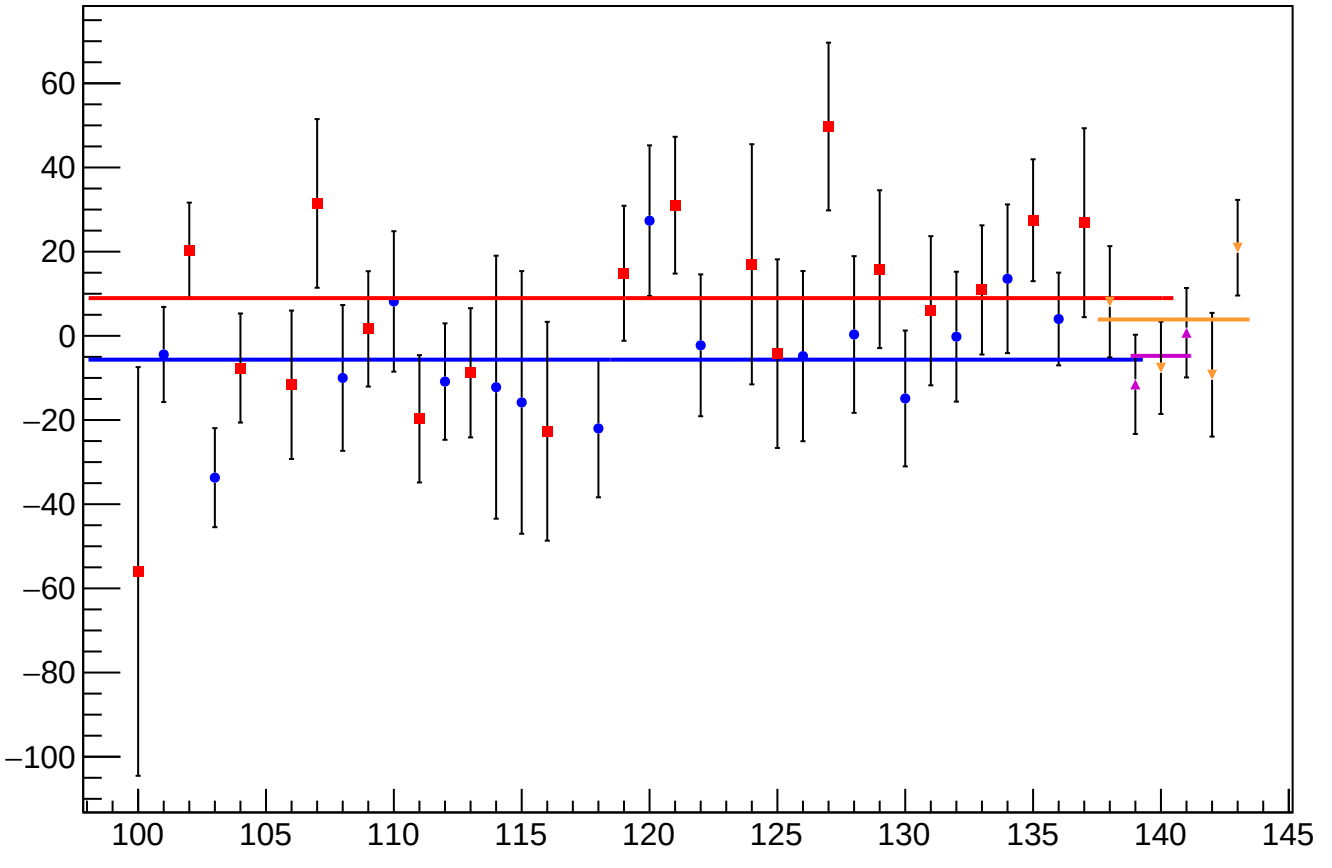
Left: 218.332+/-0.073 χ^2/NDF: 30431.0/5

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 197.049+/-0.049 χ^2/NDF:1055194.0/17

Out: 182.848+/-0.043 χ^2/NDF:1918002.4/22

All: 189.065+/-0.032 χ^2/NDF: 3020860.4/40



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 3.886+/-6.152 χ^2/NDF:4.2/3

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: 0.619+/-4.852 χ^2/NDF: 5.6/5

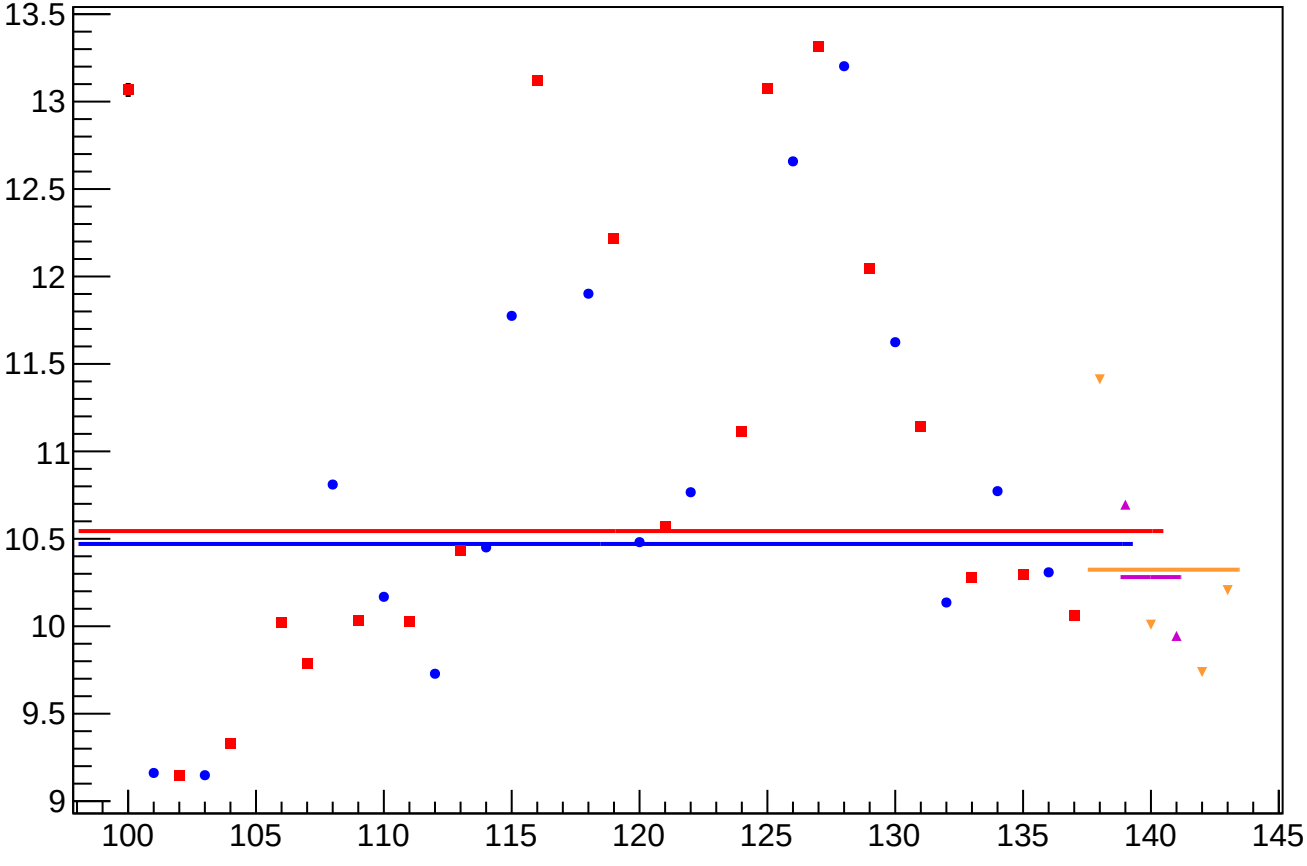
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -5.478+/-3.525 χ^2/NDF:14.3/17

Out: 7.505+/-3.294 χ^2/NDF:27.5/22

All: 1.451+/-2.407 χ^2/NDF: 49.1/40

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: 10.323+/-0.004 χ^2/NDF:18594.2/3

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.281+/-0.006 χ^2/NDF:4473.6/1

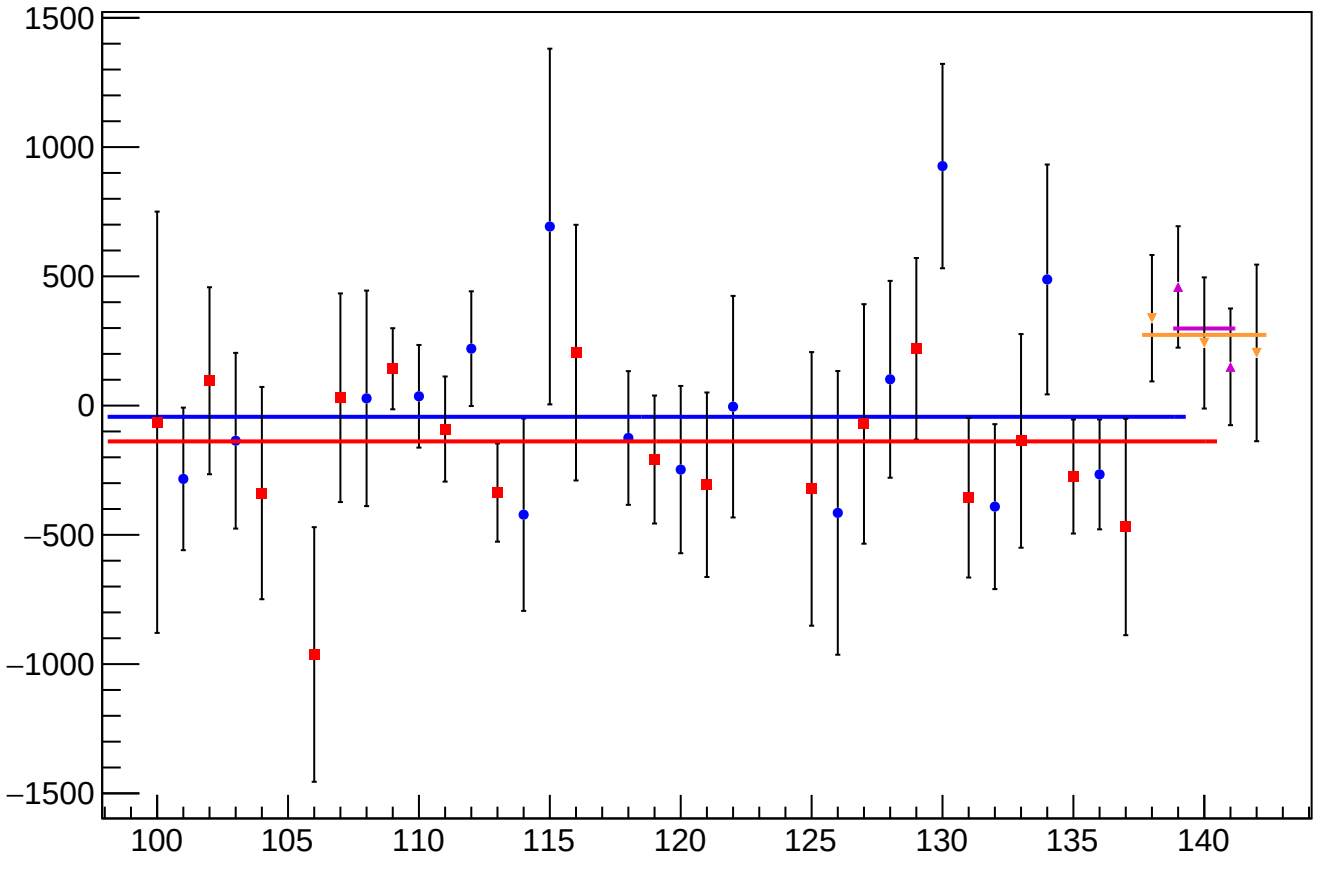
Left: 10.307+/-0.003 χ^2/NDF: 23103.4/5

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.433+/-0.002 χ^2/NDF:162761.3/17

Out: 10.481+/-0.002 χ^2/NDF:207213.4/22

All: 10.459+/-0.002 χ^2/NDF: 370174.3/40



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 273.498+/-156.517 χ^2/NDF:0.1/2

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 298.354+/-162.753 χ^2/NDF:0.9/1

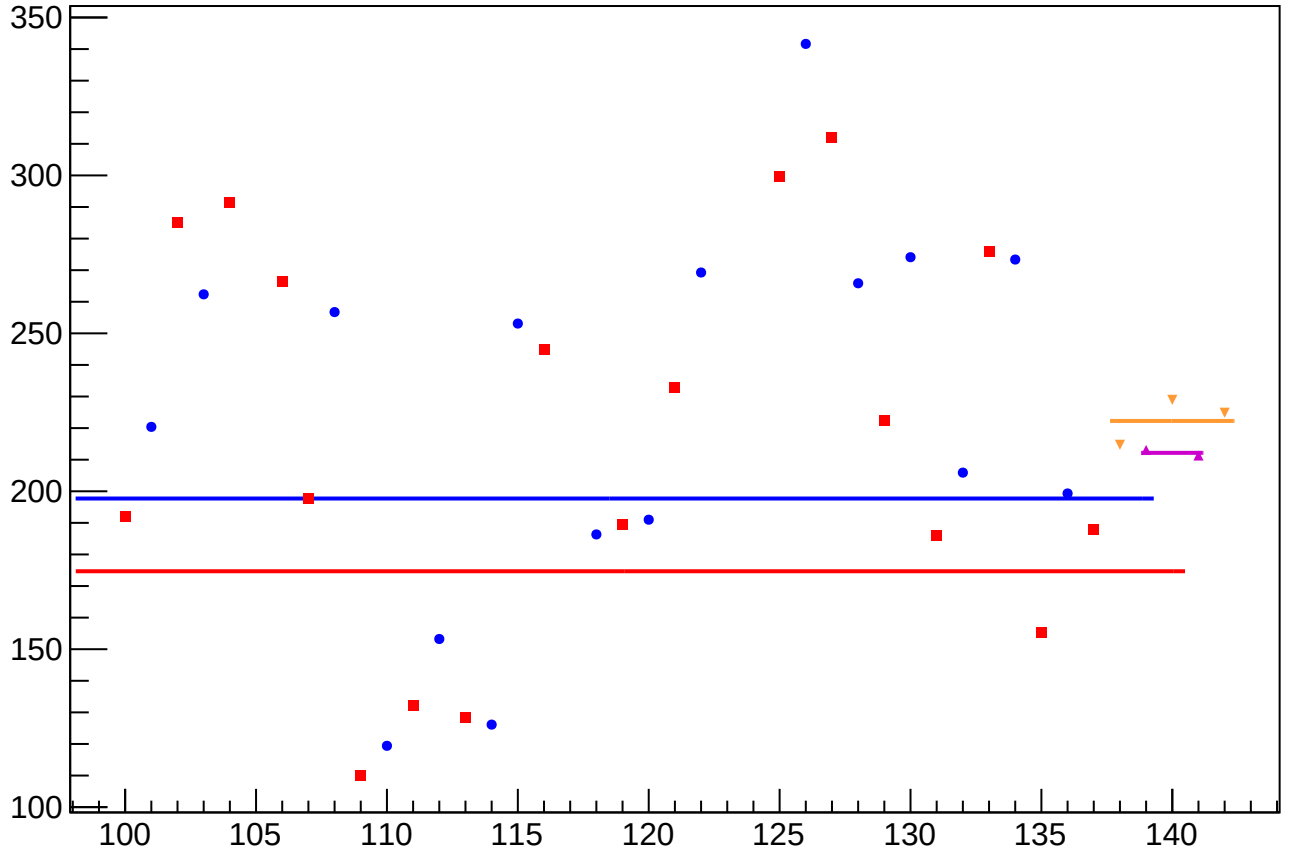
Left: 285.441+/-112.815 χ^2/NDF: 1.0/4

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 19.894+/-70.034 χ^2/NDF:19.9/17

Out: -70.063+/-63.773 χ^2/NDF:17.4/20

All: -29.284+/-47.153 χ^2/NDF: 38.2/38



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 222.267+/-0.111 χ^2/NDF:3404.3/2

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 212.169+/-0.115 χ^2/NDF:57.7/1

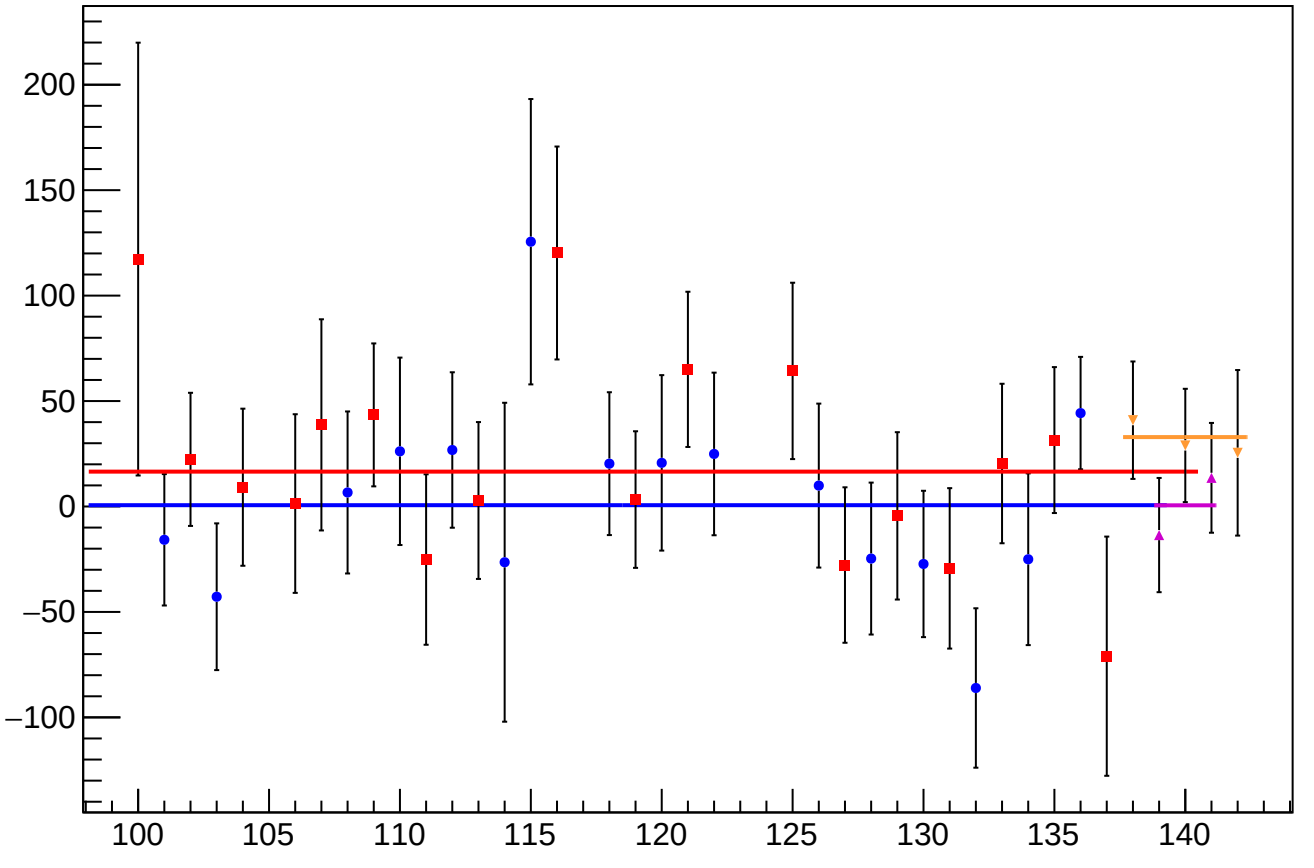
Left: 217.415+/-0.080 χ^2/NDF: 7461.8/4

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 200.385+/-0.050 χ^2/NDF:1013248.8/17

Out: 182.579+/-0.045 χ^2/NDF:1692343.3/20

All: 190.651+/-0.033 χ^2/NDF: 2776267.8/38



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 32.910+/-17.344 χ^2/NDF:0.1/2

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 0.557+/-18.770 χ^2/NDF:0.5/1

Left: 18.009+/-12.738 χ^2/NDF: 2.3/4

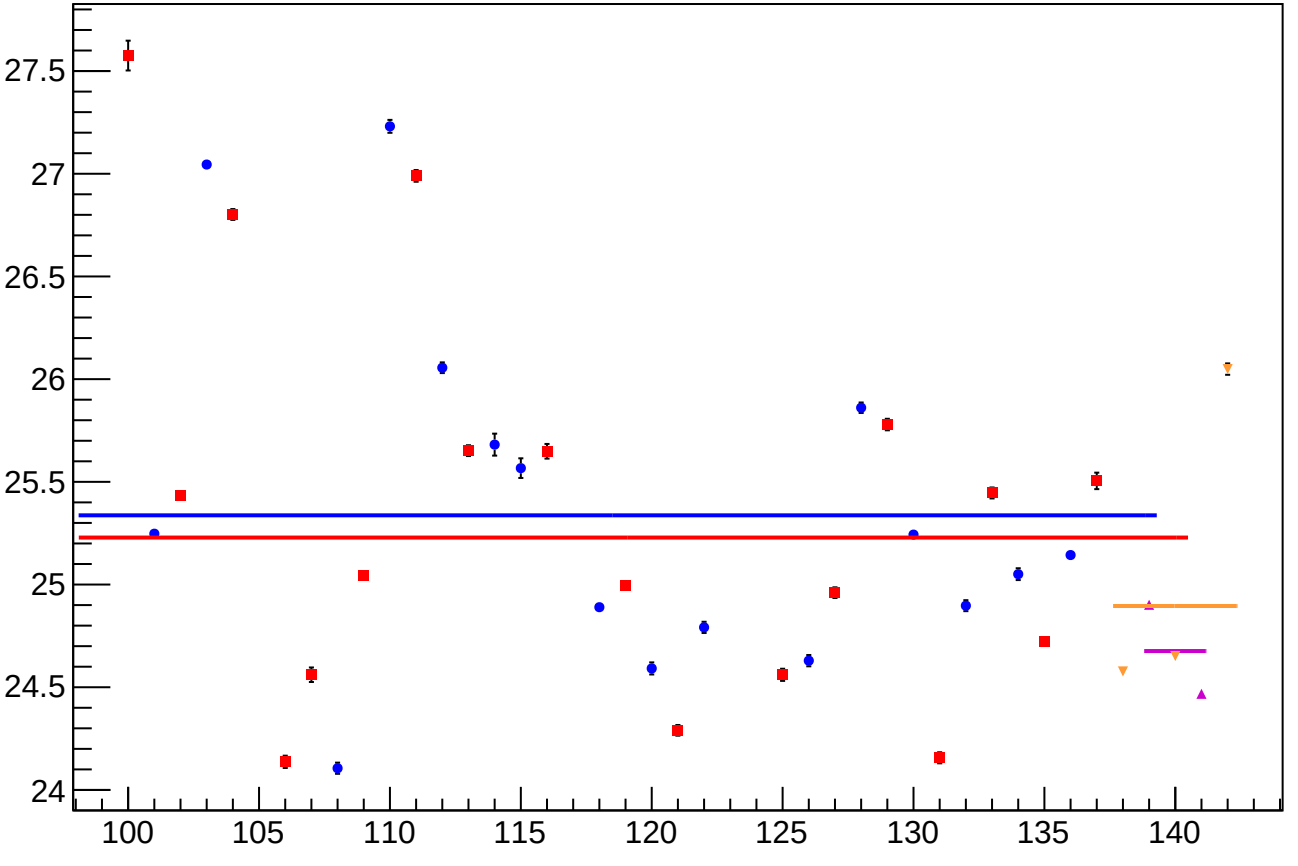
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 0.607+/-8.420 χ^2/NDF:17.3/17

Out: 20.195+/-8.201 χ^2/NDF:17.2/20

All: 10.659+/-5.875 χ^2/NDF: 37.2/38

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: 24.896+/-0.012 χ^2/NDF:2153.1/2

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: 24.795+/-0.009 χ^2/NDF: 2566.6/4

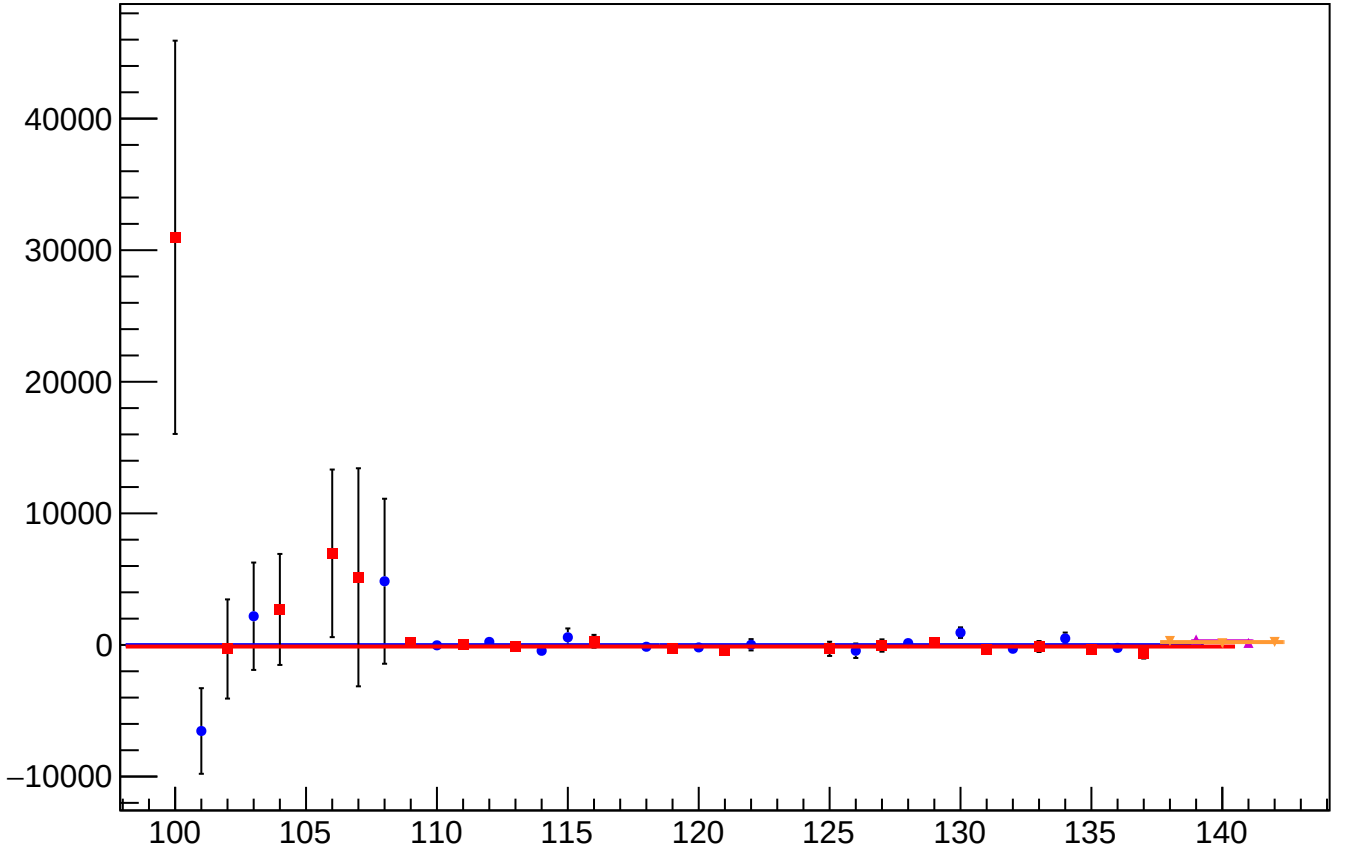
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.204+/-0.006 χ^2/NDF:16560.6/17

Out: 25.154+/-0.006 χ^2/NDF:17902.4/20

All: 25.179+/-0.004 χ^2/NDF: 34498.8/38

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: 219.281+/-154.523 χ^2/NDF:0.3/2

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 282.328+/-159.537 χ^2/NDF:0.7/1

Left: 249.798+/-110.995 χ^2/NDF: 1.0/4

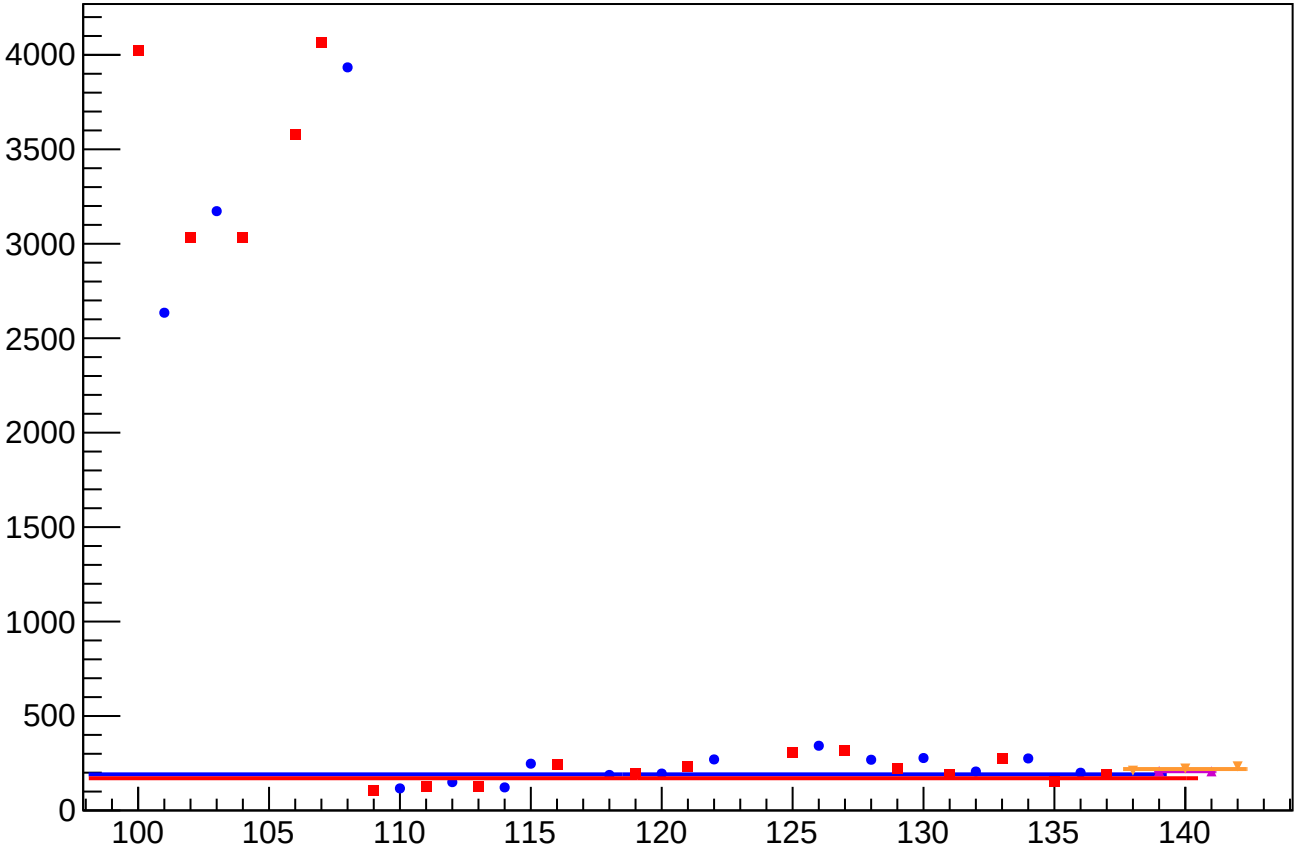
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 51.519+/-74.641 χ^2/NDF:21.7/17

Out: -50.744+/-69.807 χ^2/NDF:18.5/20

All: -3.030+/-50.984 χ^2/NDF: 41.1/38

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 219.203+/-0.109 χ^2/NDF:6074.1/2

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 207.790+/-0.113 χ^2/NDF:34.7/1

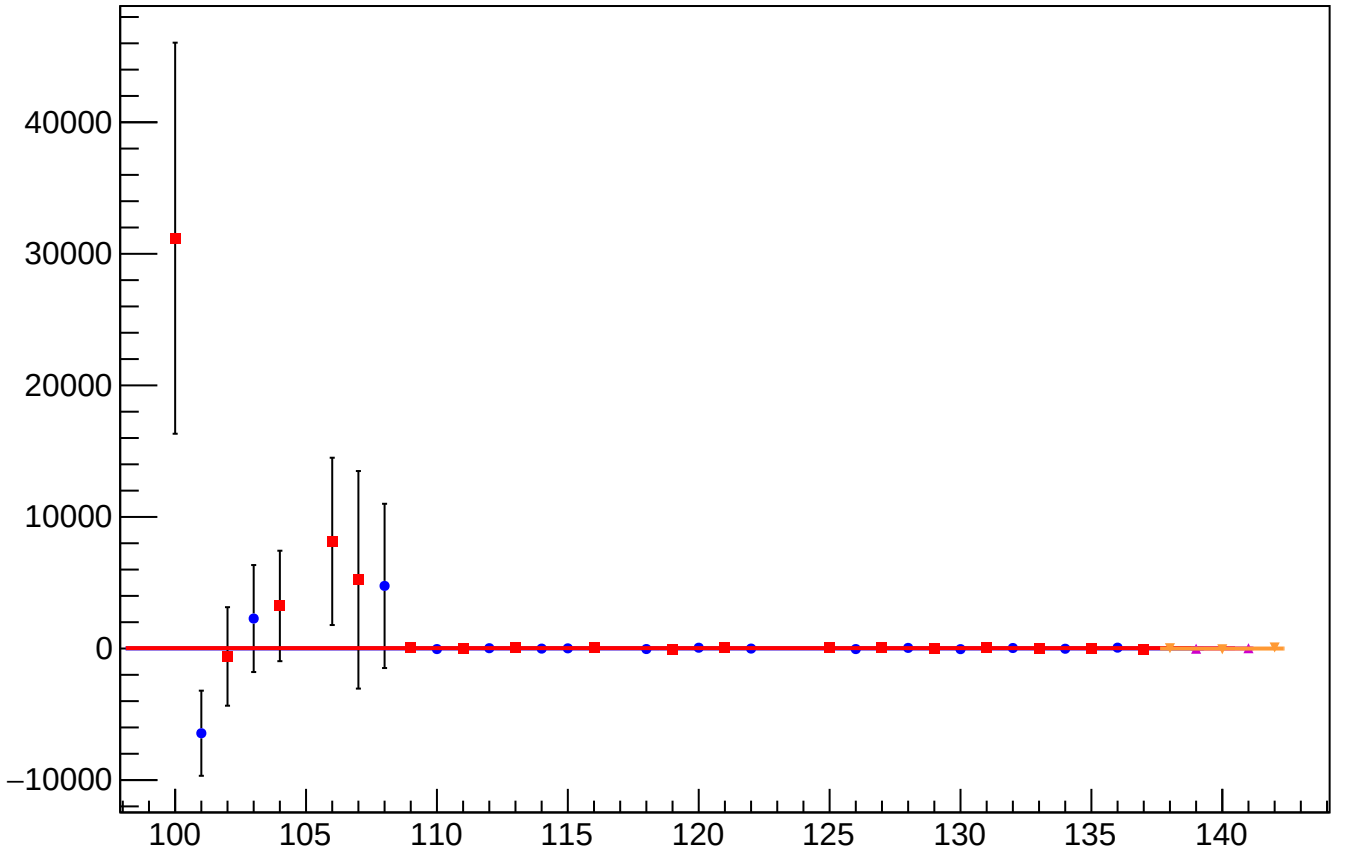
Left: 213.679+/-0.078 χ^2/NDF: 11389.9/4

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 194.730+/-0.053 χ^2/NDF:3851147.2/17

Out: 180.435+/-0.049 χ^2/NDF:4419071.1/20

All: 187.104+/-0.036 χ^2/NDF: 8309349.7/38



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -2.113+/-20.013 χ^2/NDF:7.0/2

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 5.222+/-21.079 χ^2/NDF:0.9/1

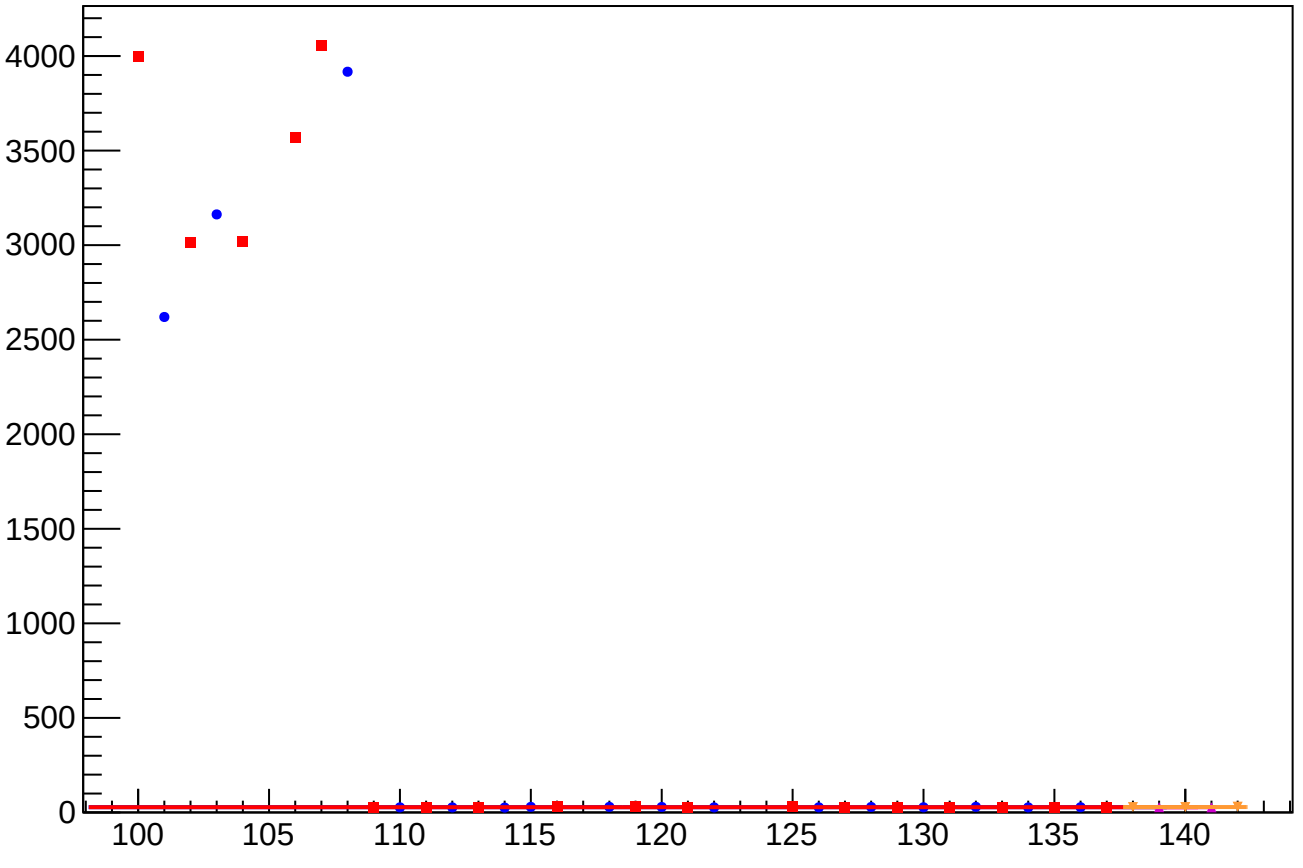
Left: 1.364+/-14.513 χ^2/NDF: 7.9/4

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.189+/-10.273 χ^2/NDF:19.2/17

Out: 21.962+/-10.345 χ^2/NDF:28.8/20

All: 14.020+/-7.289 χ^2/NDF: 49.2/38



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.616+/-0.014 χ^2/NDF:3175.1/2

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 27.662+/-0.015 χ^2/NDF:913.0/1

Left: 28.164+/-0.010 χ^2/NDF: 6243.8/4

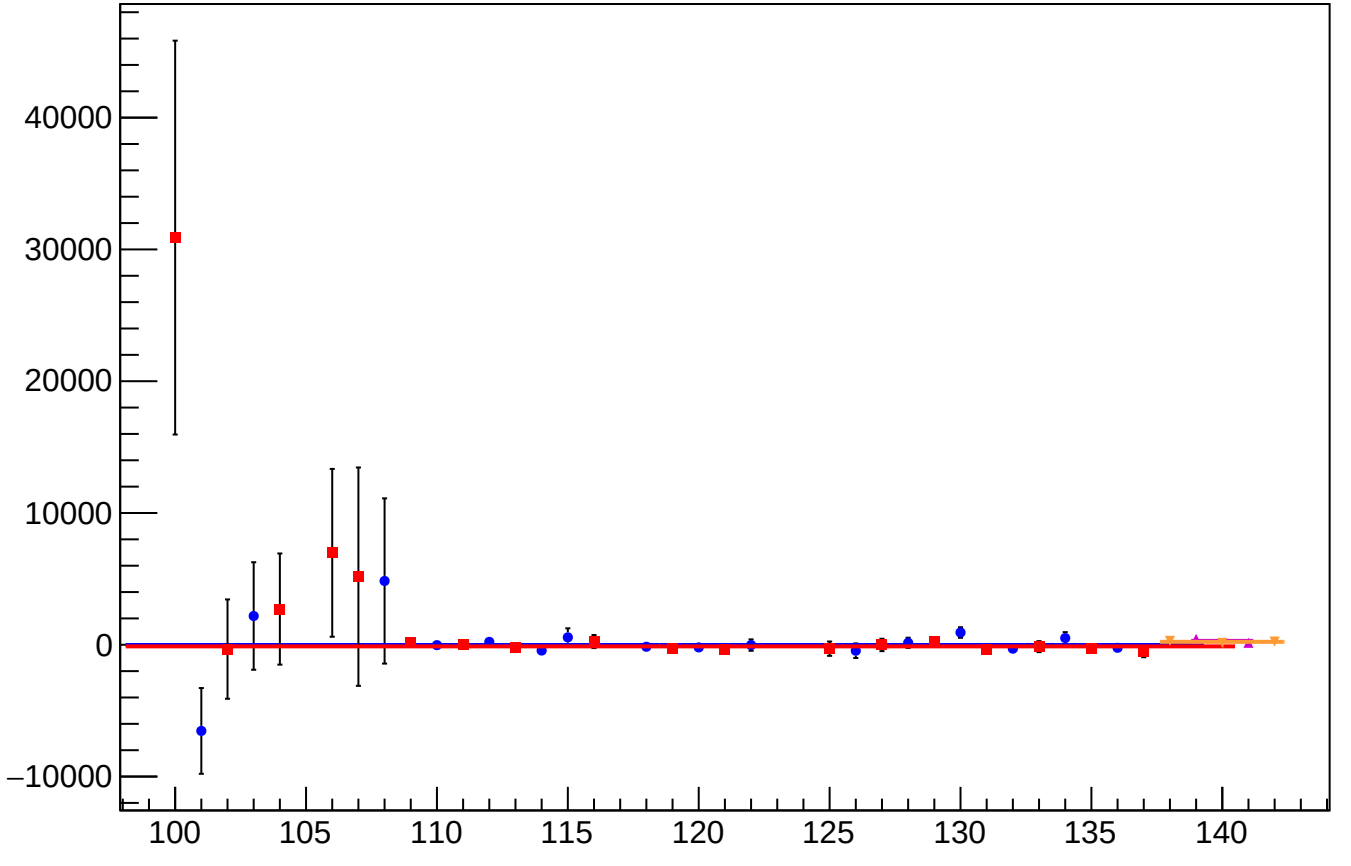
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 27.786+/-0.007 χ^2/NDF:3266899.6/17

Out: 28.002+/-0.007 χ^2/NDF:3564142.2/20

All: 27.893+/-0.005 χ^2/NDF: 6831480.6/38

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: 223.408+/-155.322 χ^2/NDF:0.2/2

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 293.298+/-160.466 χ^2/NDF:0.8/1

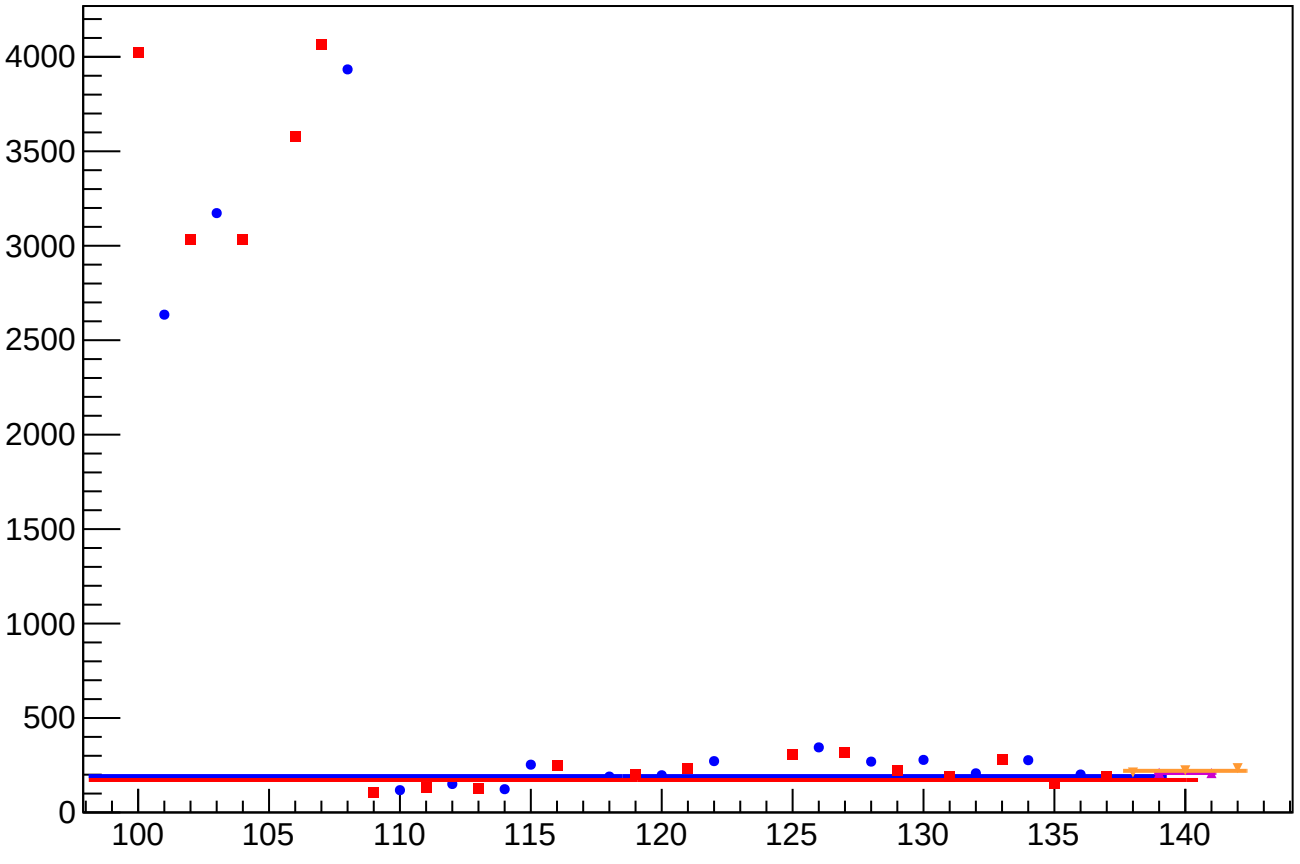
Left: 257.215+/-111.603 χ^2/NDF: 1.2/4

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 49.100+/-75.156 χ^2/NDF:22.0/17

Out: -50.870+/-70.305 χ^2/NDF:17.4/20

All: -4.216+/-51.342 χ^2/NDF: 40.3/38



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 220.339+/-0.110 χ^2/NDF:6082.2/2

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 209.007+/-0.113 χ^2/NDF:27.7/1

Left: 214.858+/-0.079 χ^2/NDF: 11259.7/4

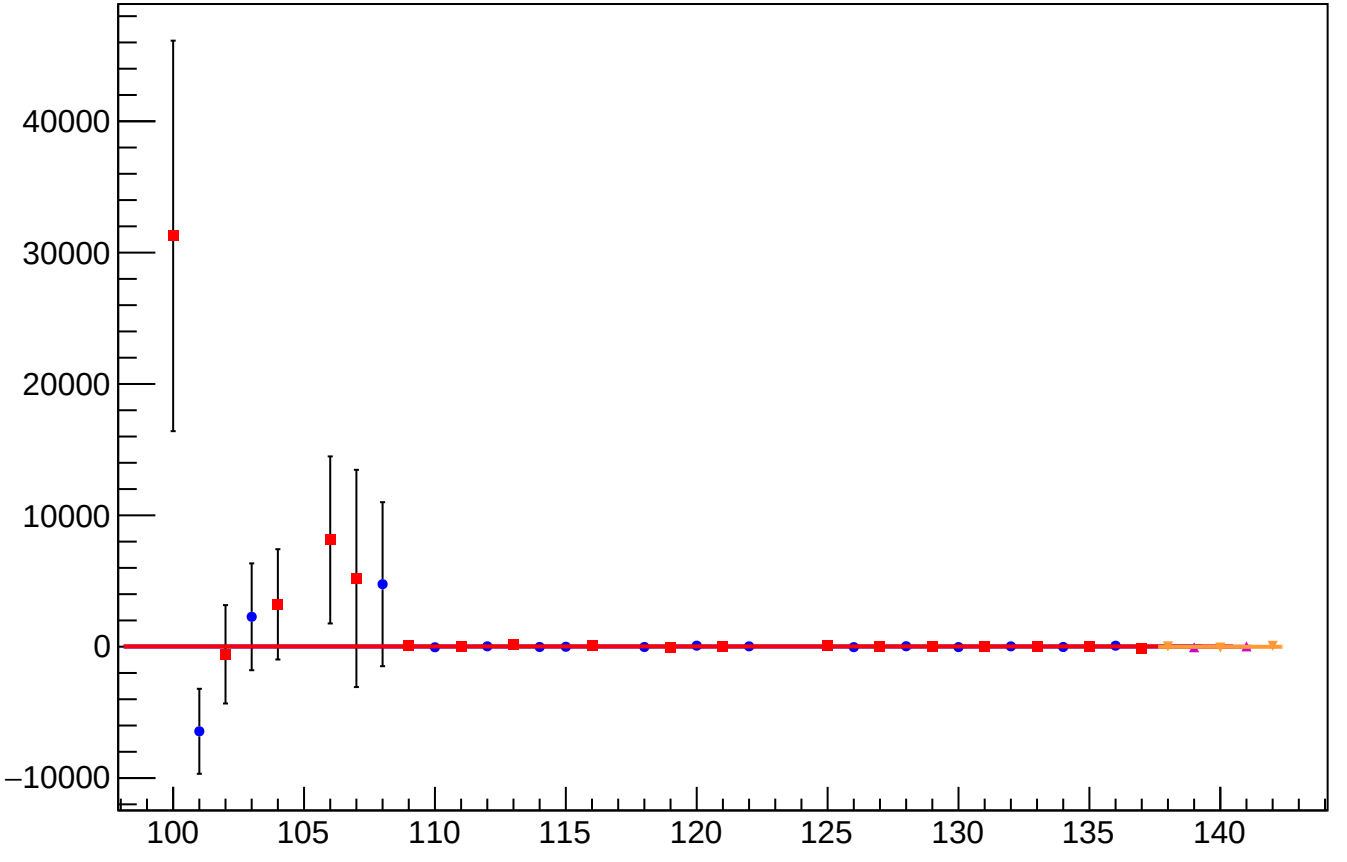
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 196.168+/-0.053 χ^2/NDF:3839218.6/17

Out: 181.823+/-0.050 χ^2/NDF:4408556.7/20

All: 188.518+/-0.036 χ^2/NDF: 8286632.1/38

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -6.849+/-21.840 χ^2/NDF:5.9/2

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -4.885+/-23.139 χ^2/NDF:2.1/1

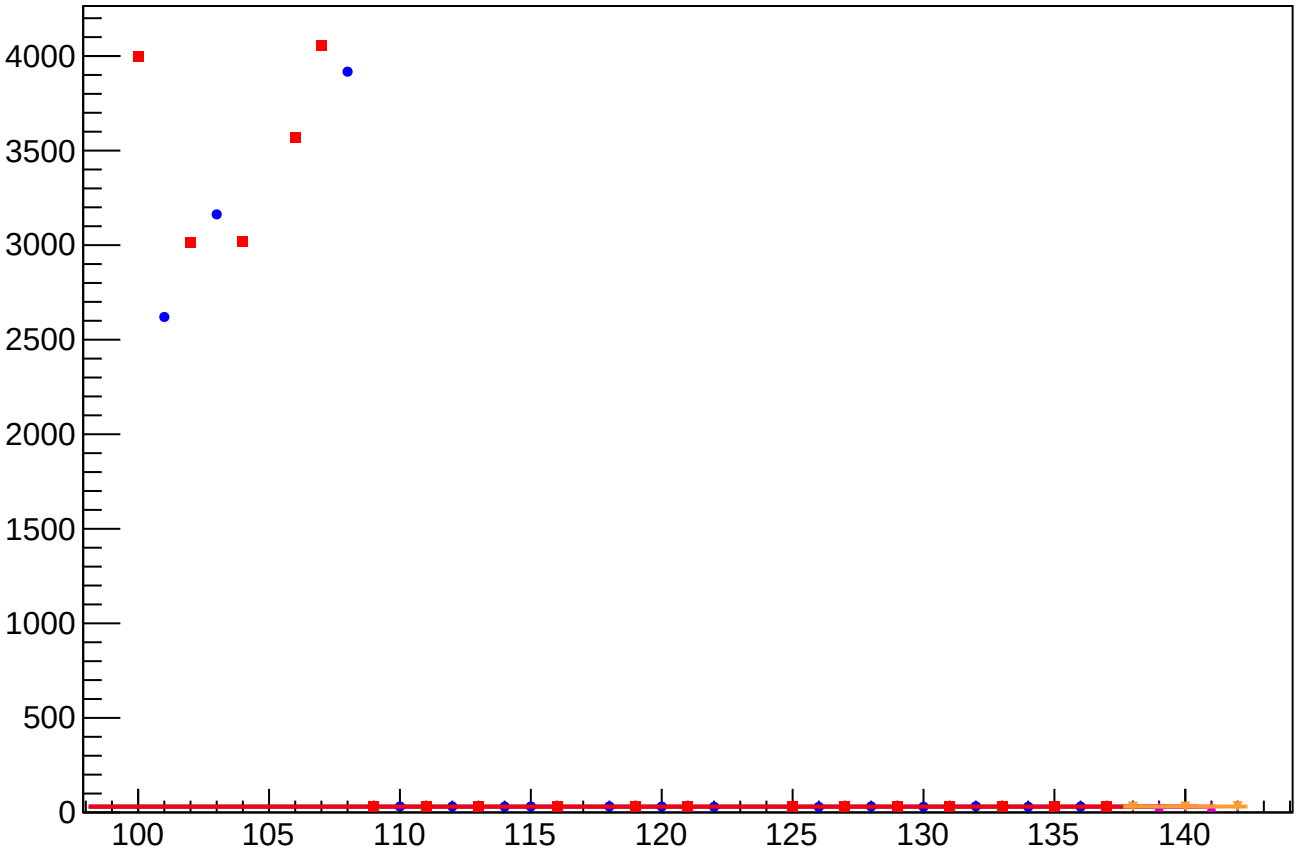
Left: -5.923+/-15.882 χ^2/NDF: 8.0/4

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 9.219+/-11.375 χ^2/NDF:18.1/17

Out: 14.057+/-11.411 χ^2/NDF:35.5/20

All: 11.630+/-8.056 χ^2/NDF: 53.6/38



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.252+/-0.015 χ^2/NDF:2956.8/2

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 30.386+/-0.016 χ^2/NDF:488.1/1

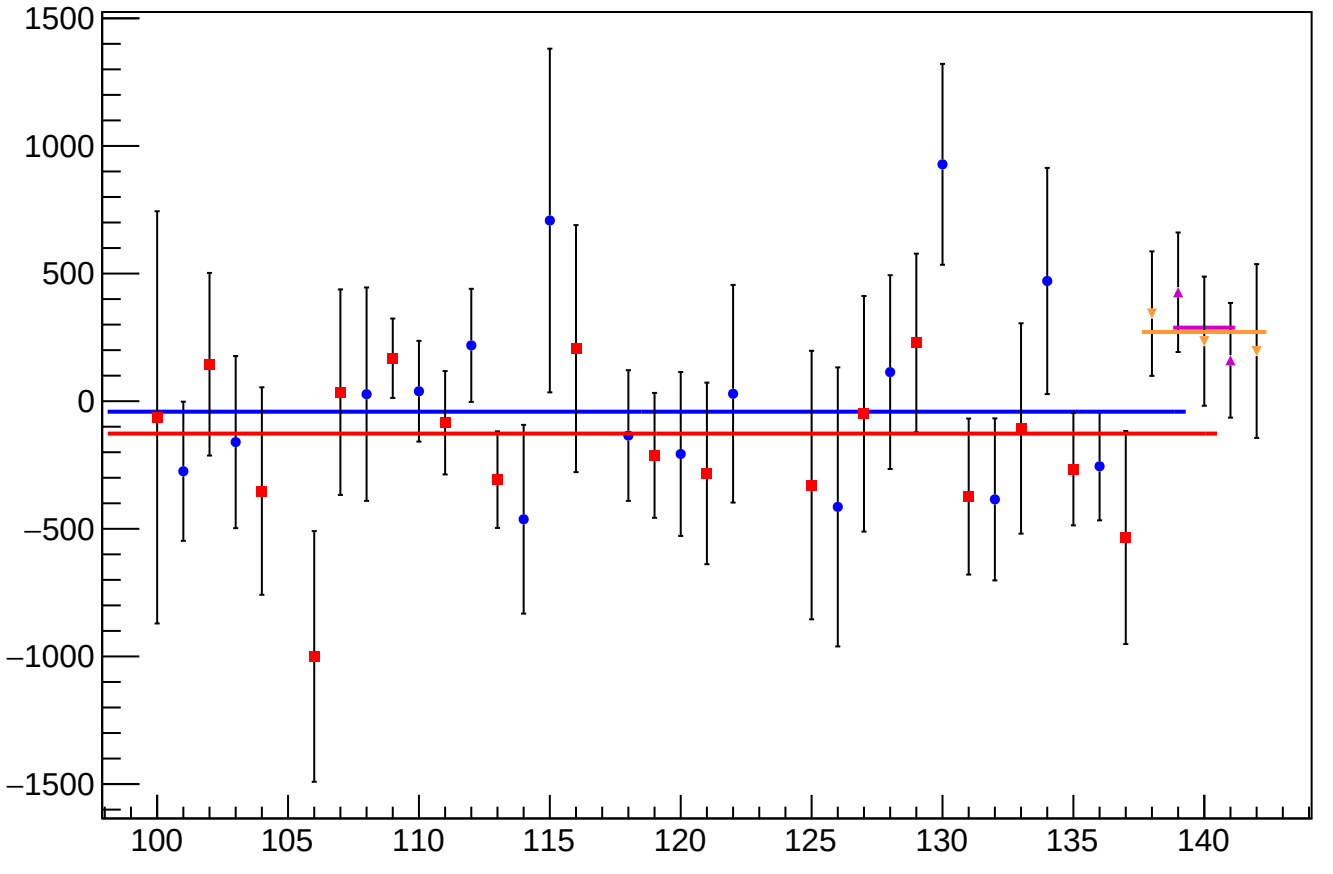
Left: 30.844+/-0.011 χ^2/NDF: 4925.9/4

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 30.797+/-0.008 χ^2/NDF:3253928.6/17

Out: 30.926+/-0.008 χ^2/NDF:3539528.2/20

All: 30.862+/-0.006 χ^2/NDF: 6793585.1/38



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 271.239+/-156.049 χ^2/NDF:0.2/2

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 288.142+/-162.116 χ^2/NDF:0.7/1

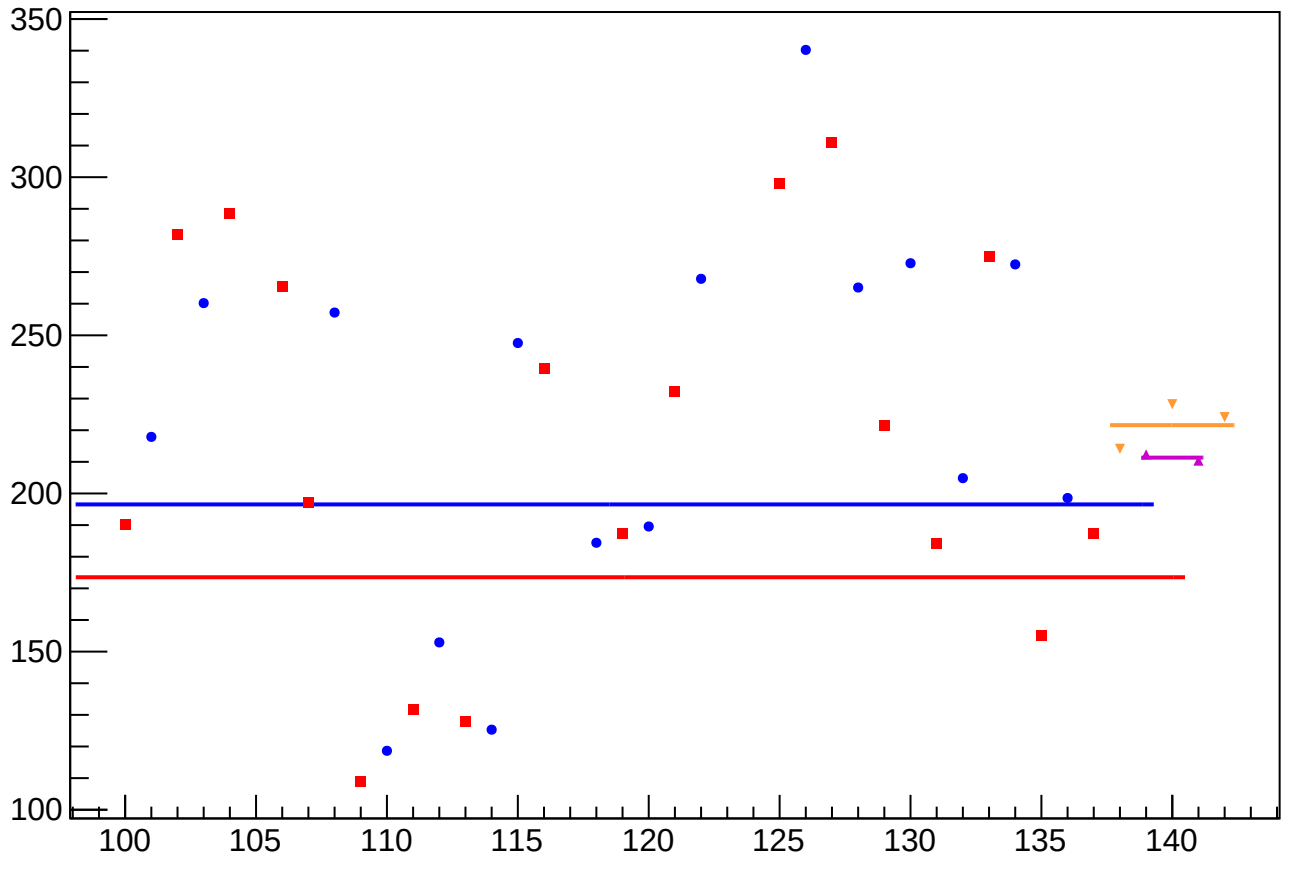
Left: 279.368+/-112.427 χ^2/NDF: 0.8/4

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 19.671+/-69.656 χ^2/NDF:19.7/17

Out: -61.181+/-63.398 χ^2/NDF:18.4/20

All: -24.549+/-46.886 χ^2/NDF: 38.7/38



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.598+/-0.110 χ^2/NDF:3362.1/2

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 211.330+/-0.115 χ^2/NDF:73.6/1

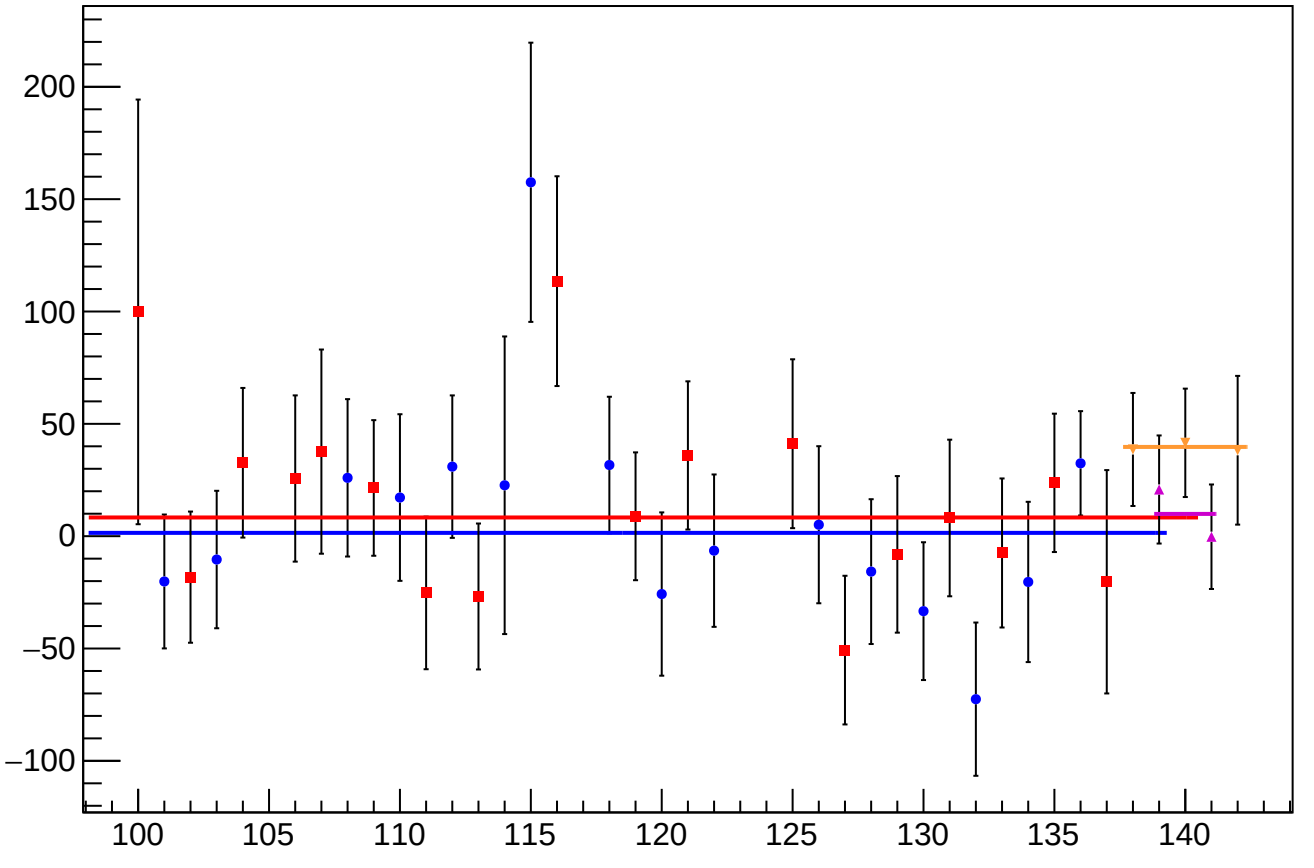
Left: 216.660+/-0.079 χ^2/NDF: 7600.6/4

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 199.272+/-0.049 χ^2/NDF:1014412.6/17

Out: 181.447+/-0.045 χ^2/NDF:1694665.3/20

All: 189.523+/-0.033 χ^2/NDF: 2780713.4/38



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 39.724+/-15.410 χ^2/NDF:0.0/2

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: 26.032+/-11.332 χ^2/NDF: 2.1/4

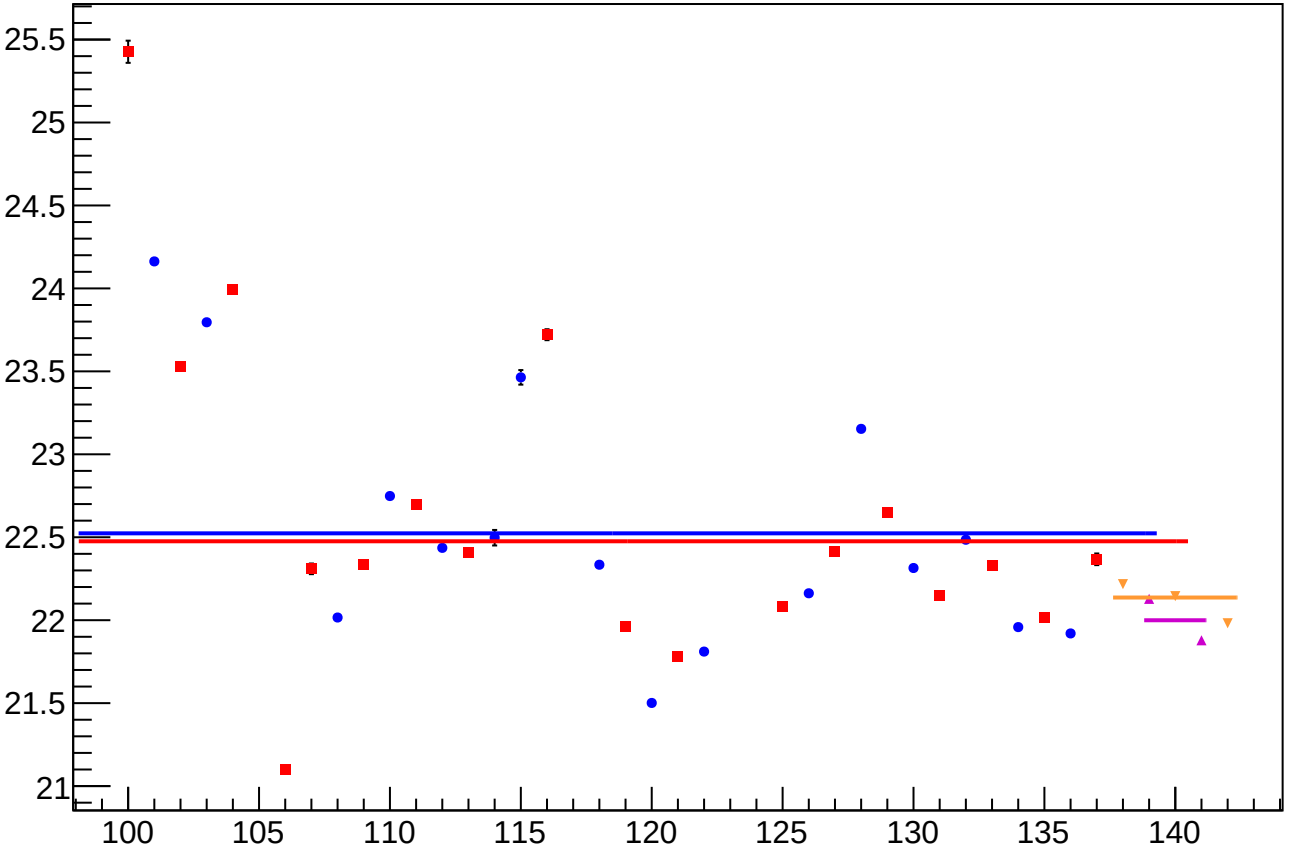
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 3.166+/-7.485 χ^2/NDF:19.3/17

Out: 15.370+/-7.298 χ^2/NDF:19.3/20

All: 9.422+/-5.225 χ^2/NDF: 39.9/38

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: 22.137+/-0.011 χ^2/NDF:64.7/2

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.000+/-0.012 χ^2/NDF:111.4/1

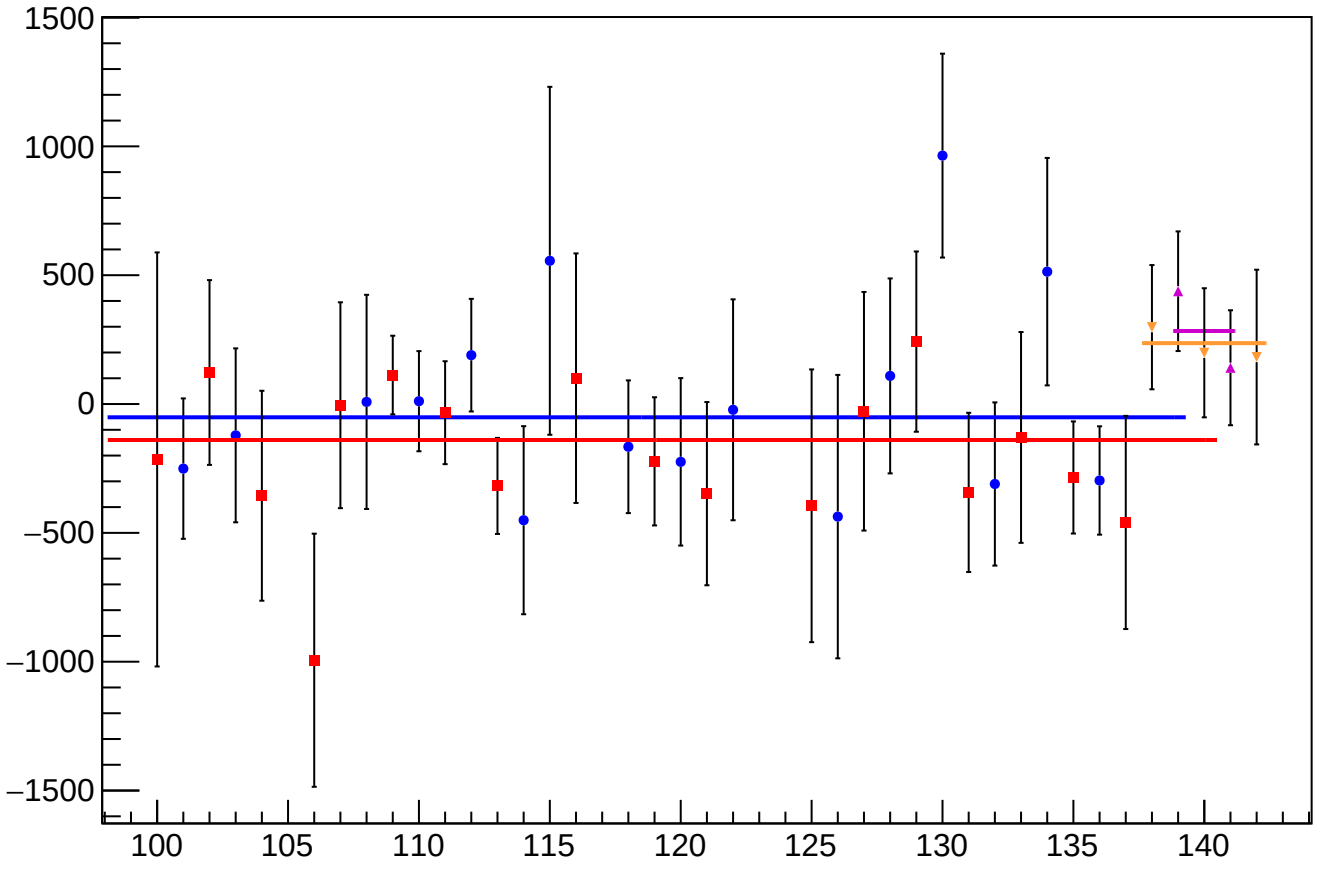
Left: 22.074+/-0.008 χ^2/NDF: 248.8/4

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.419+/-0.005 χ^2/NDF:17629.5/17

Out: 22.400+/-0.005 χ^2/NDF:16352.3/20

All: 22.409+/-0.004 χ^2/NDF: 33988.4/38



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 236.294+/-154.596 χ^2/NDF:0.1/2

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 283.409+/-160.860 χ^2/NDF:0.9/1

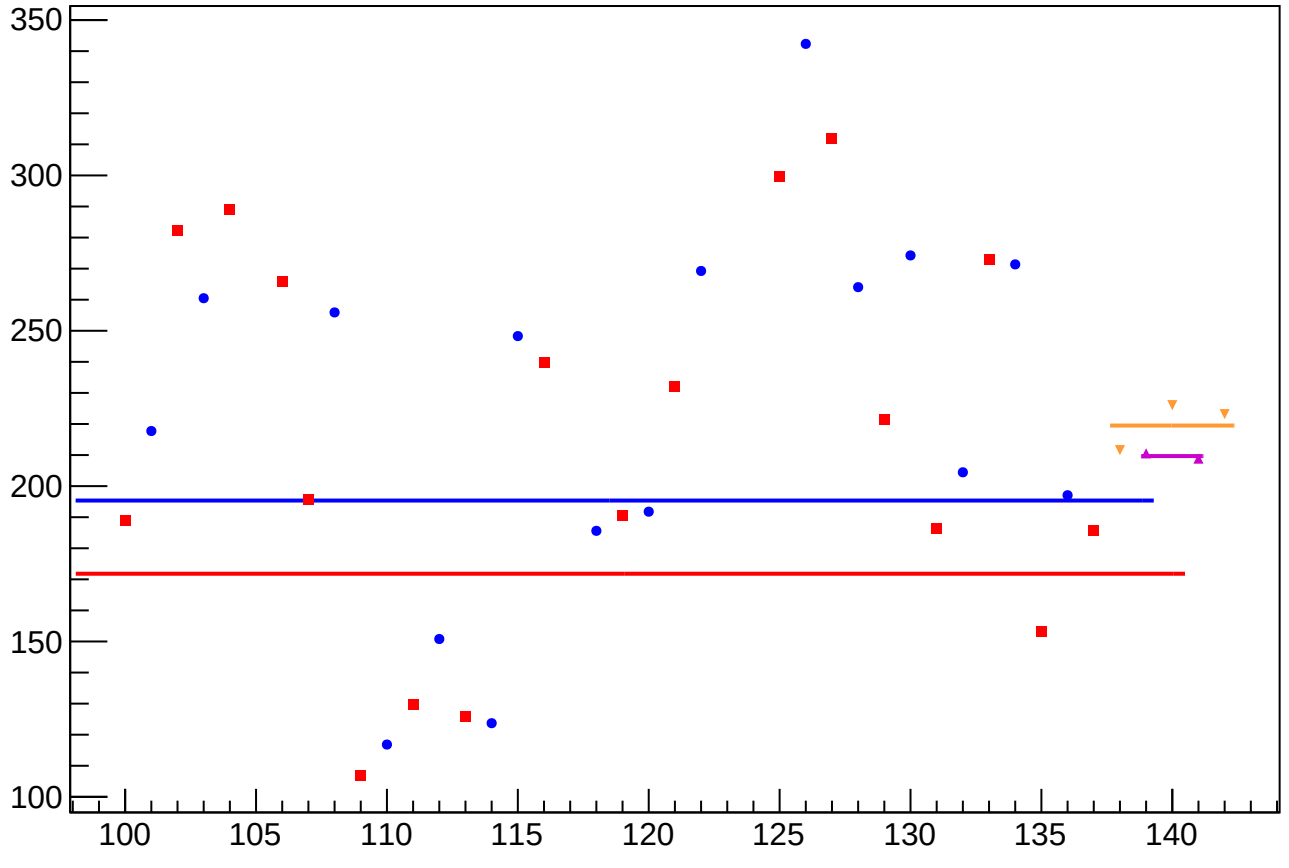
Left: 258.917+/-111.465 χ^2/NDF: 1.0/4

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 10.673+/-69.305 χ^2/NDF:19.7/17

Out: -77.282+/-62.924 χ^2/NDF:16.6/20

All: -37.539+/-46.587 χ^2/NDF: 37.2/38



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 219.502+/-0.109 χ^2/NDF:3762.5/2

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 209.674+/-0.114 χ^2/NDF:56.0/1

Left: 214.783+/-0.079 χ^2/NDF: 7699.9/4

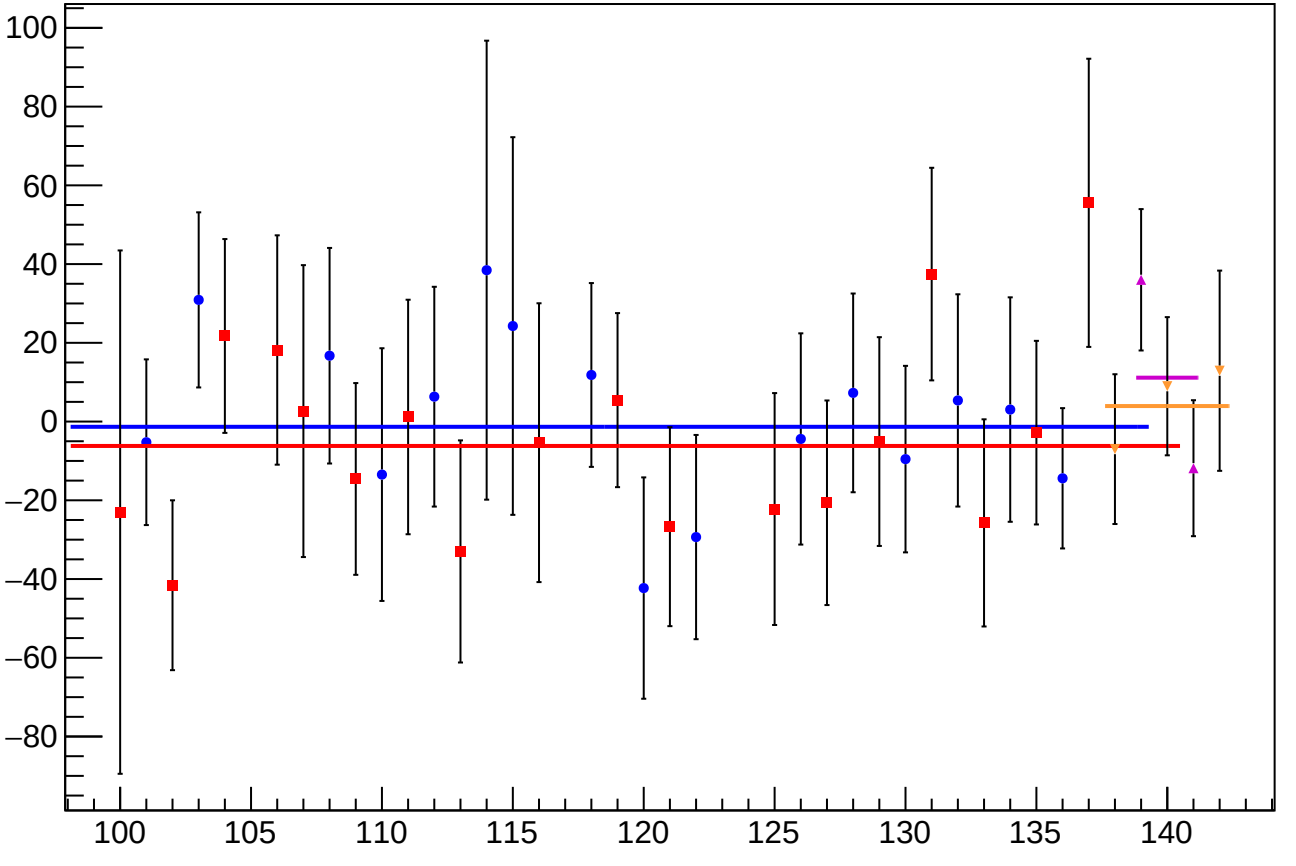
Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 198.018+/-0.049 χ^2/NDF:1054382.3/17

Out: 179.707+/-0.044 χ^2/NDF:1763265.8/20

All: 187.981+/-0.033 χ^2/NDF: 2894175.8/38

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.939+/-11.504 χ^2/NDF:0.5/2

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 11.147+/-12.447 χ^2/NDF:3.7/1

Left: 7.260+/-8.448 χ^2/NDF: 4.4/4

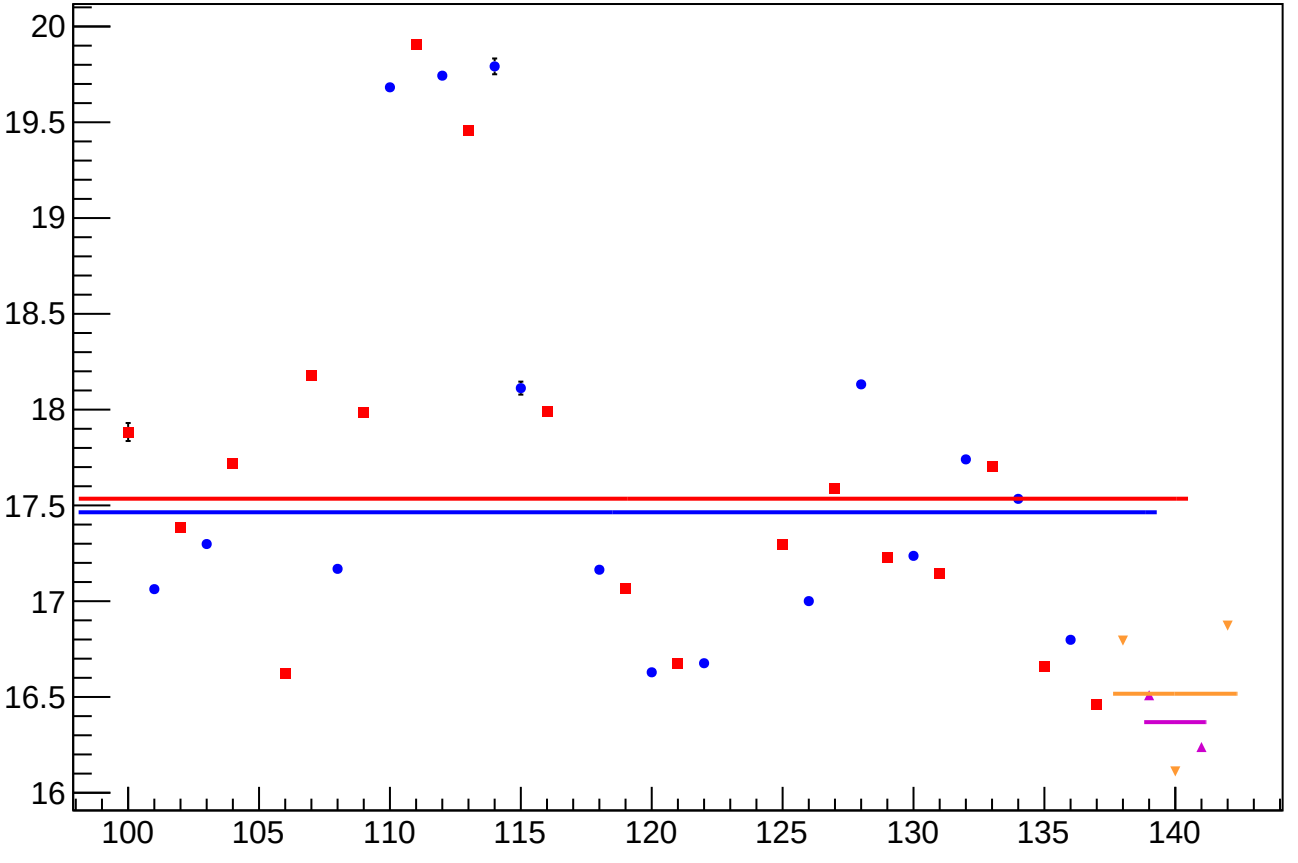
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.342+/-5.761 χ^2/NDF:12.5/17

Out: -3.758+/-5.641 χ^2/NDF:14.6/20

All: -1.262+/-4.030 χ^2/NDF: 27.5/38

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.517+/-0.008 χ^2/NDF:1883.9/2

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.369+/-0.009 χ^2/NDF:235.5/1

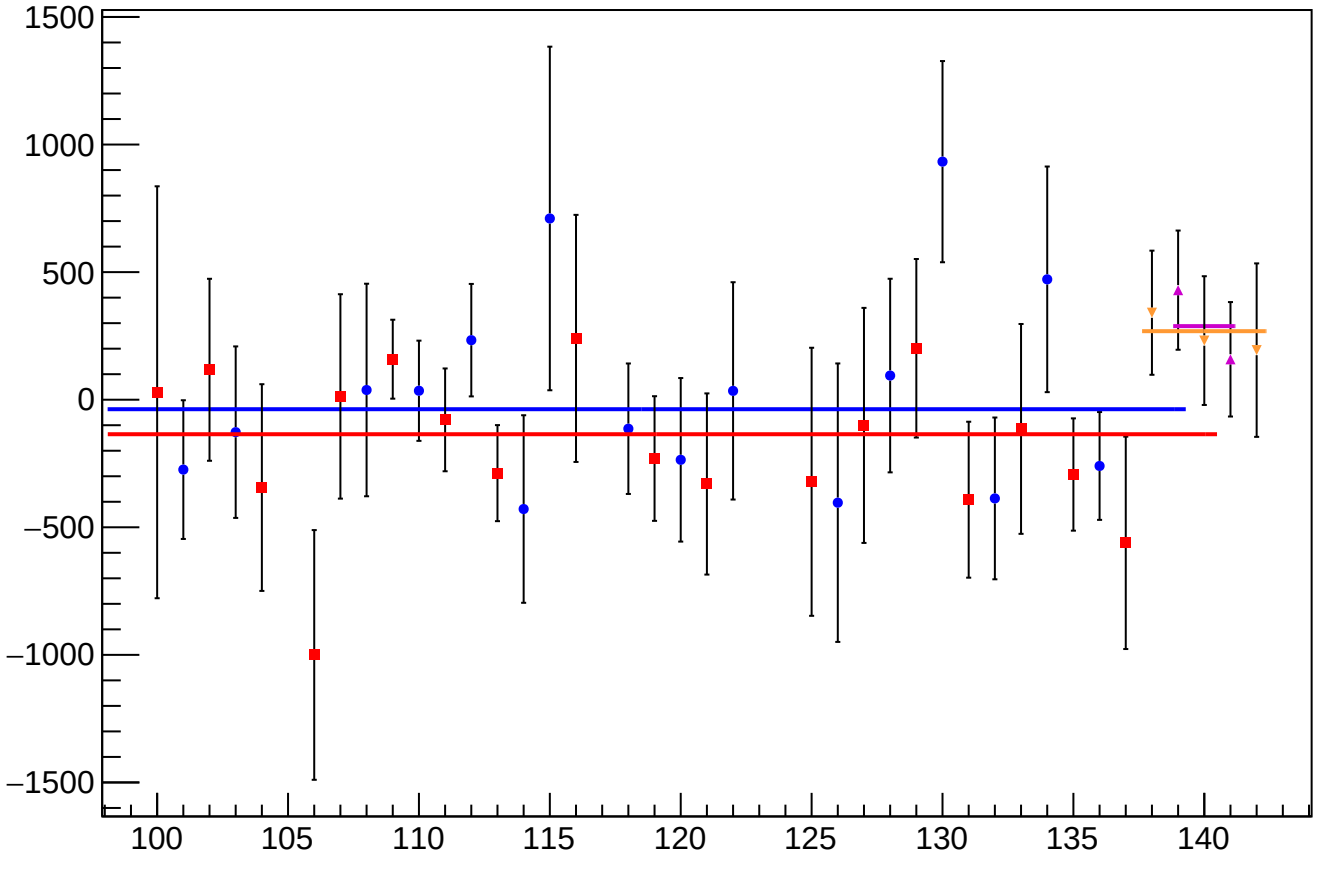
Left: 16.449+/-0.006 χ^2/NDF: 2272.3/4

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.230+/-0.004 χ^2/NDF:49059.1/17

Out: 17.290+/-0.004 χ^2/NDF:48257.3/20

All: 17.260+/-0.003 χ^2/NDF: 97429.7/38



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 268.577+/-155.668 χ^2/NDF:0.2/2

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 288.365+/-161.769 χ^2/NDF:0.7/1

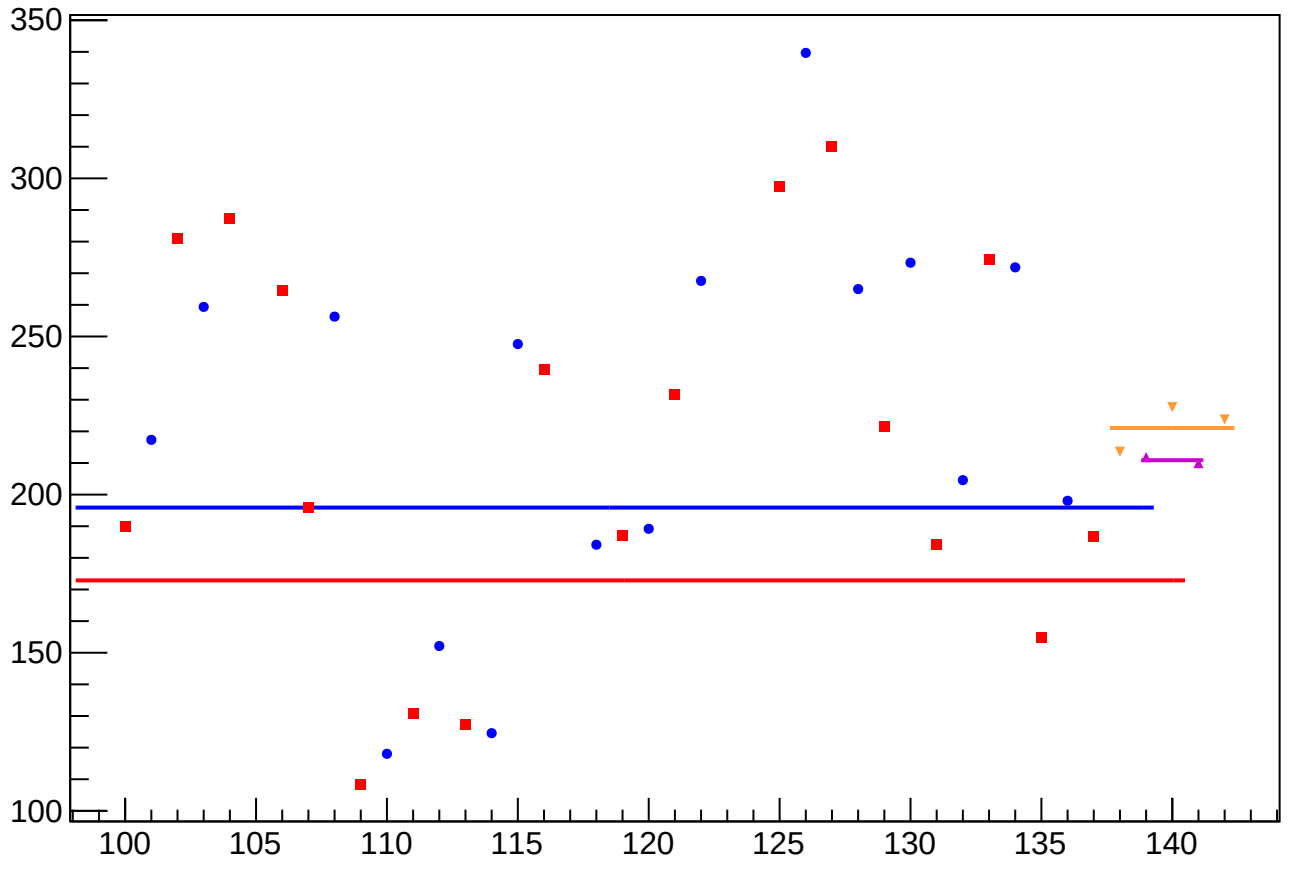
Left: 278.091+/-112.169 χ^2/NDF: 0.9/4

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 22.795+/-69.463 χ^2/NDF:19.7/17

Out: -68.709+/-63.201 χ^2/NDF:18.6/20

All: -27.267+/-46.747 χ^2/NDF: 39.2/38



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.057+/-0.110 χ^2/NDF:3392.0/2

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 210.877+/-0.114 χ^2/NDF:69.6/1

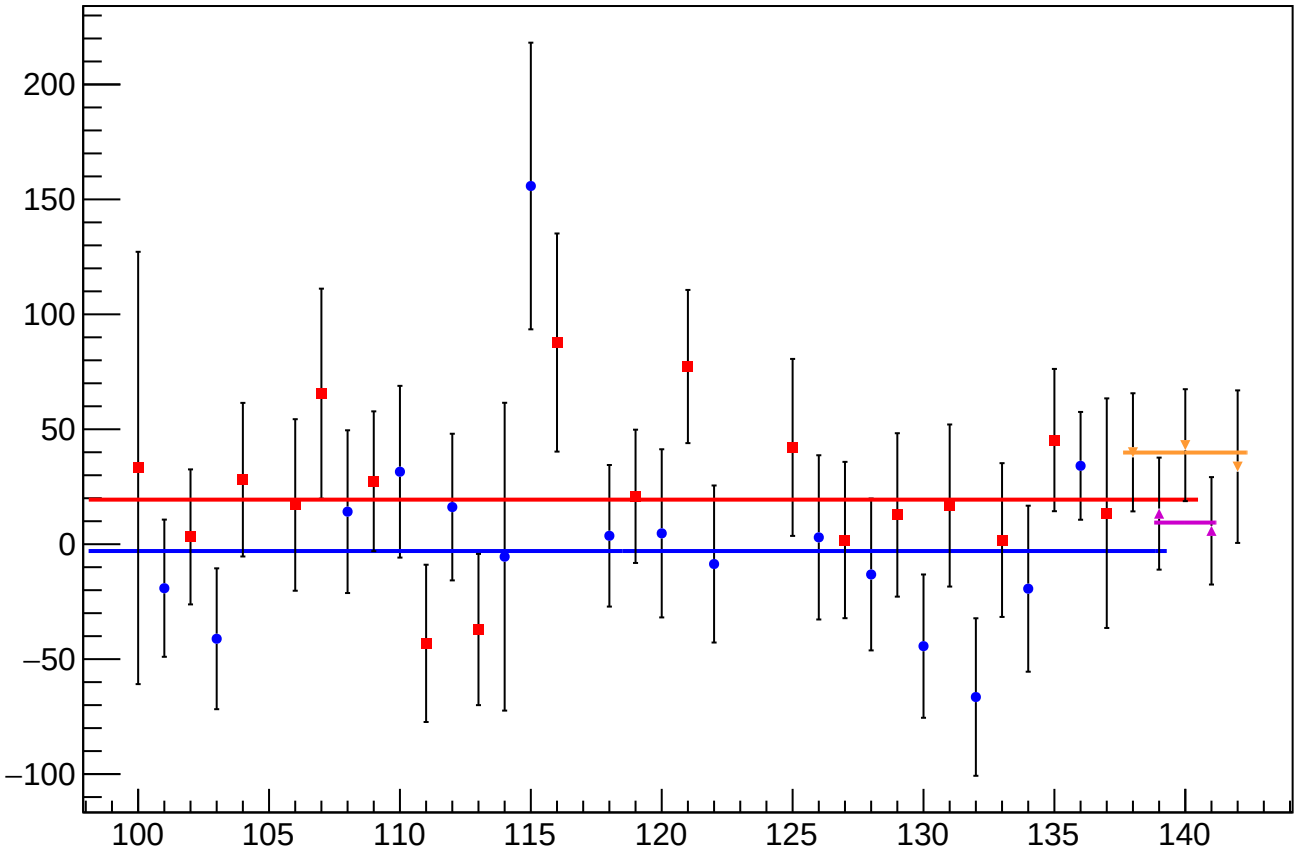
Left: 216.163+/-0.079 χ^2/NDF: 7574.3/4

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 198.661+/-0.049 χ^2/NDF:1025064.5/17

Out: 180.815+/-0.045 χ^2/NDF:1706686.1/20

All: 188.898+/-0.033 χ^2/NDF: 2803970.2/38



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 39.872+/-15.598 χ^2/NDF:0.1/2

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 9.404+/-16.865 χ^2/NDF:0.0/1

Left: 25.825+/-11.451 χ^2/NDF: 1.9/4

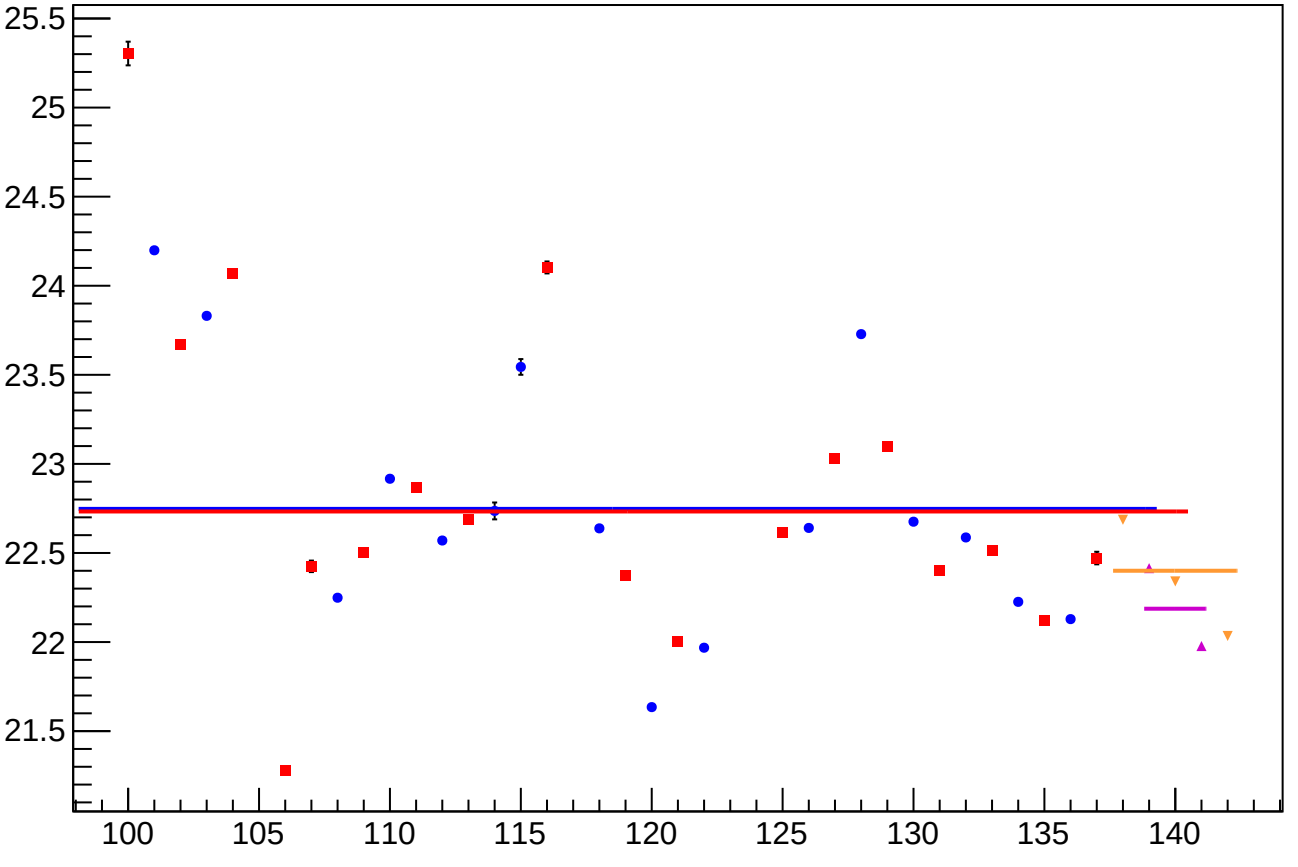
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: -0.483+/-7.558 χ^2/NDF:18.4/17

Out: 23.977+/-7.383 χ^2/NDF:15.9/20

All: 12.033+/-5.281 χ^2/NDF: 39.7/38

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.400+/-0.011 χ^2/NDF:503.6/2

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.187+/-0.012 χ^2/NDF:335.3/1

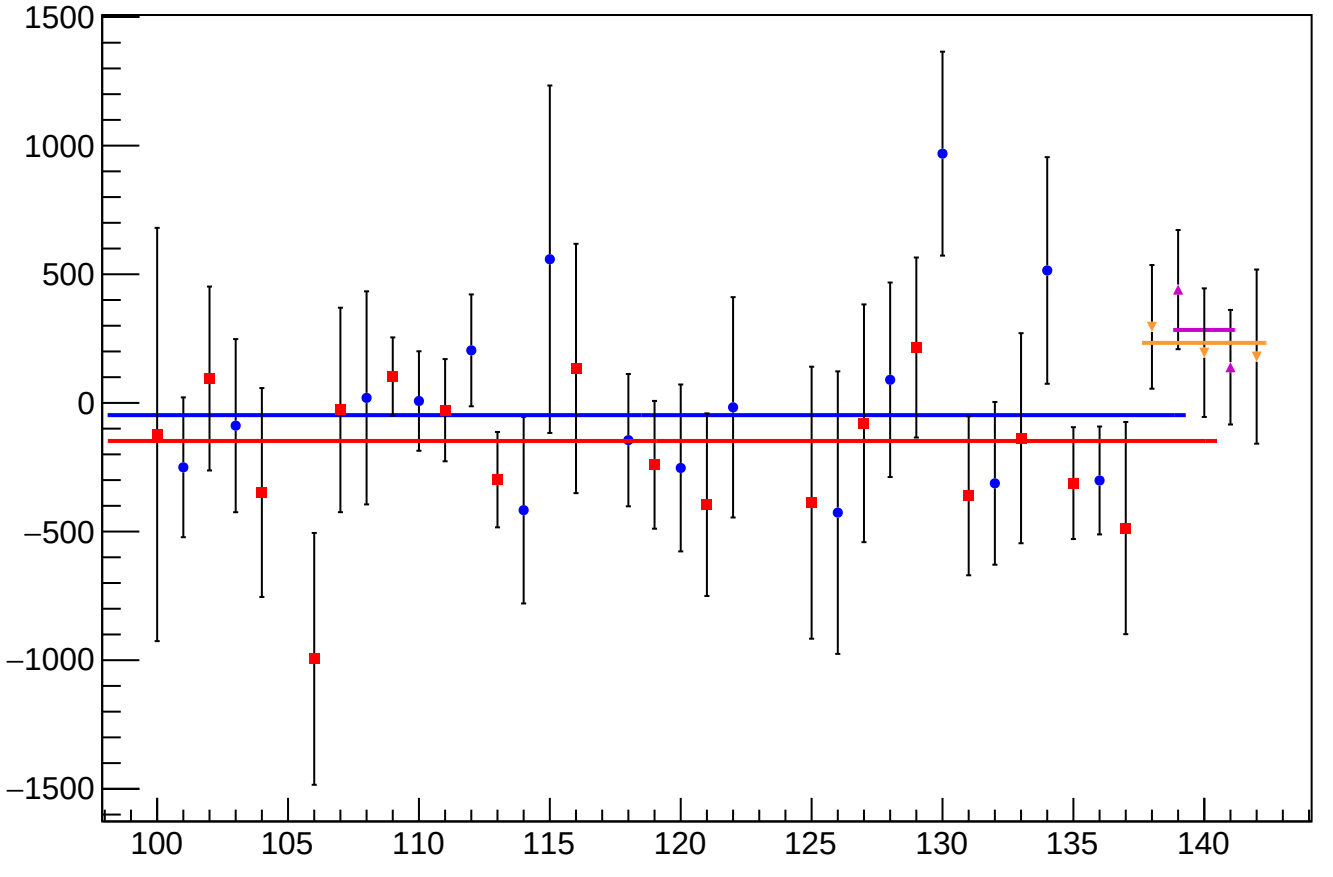
Left: 22.302+/-0.008 χ^2/NDF: 1011.1/4

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.635+/-0.005 χ^2/NDF:16722.9/17

Out: 22.658+/-0.005 χ^2/NDF:15599.4/20

All: 22.647+/-0.004 χ^2/NDF: 32332.1/38



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 233.366+/-154.215 χ^2/NDF:0.1/2

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 283.621+/-160.511 χ^2/NDF:0.9/1

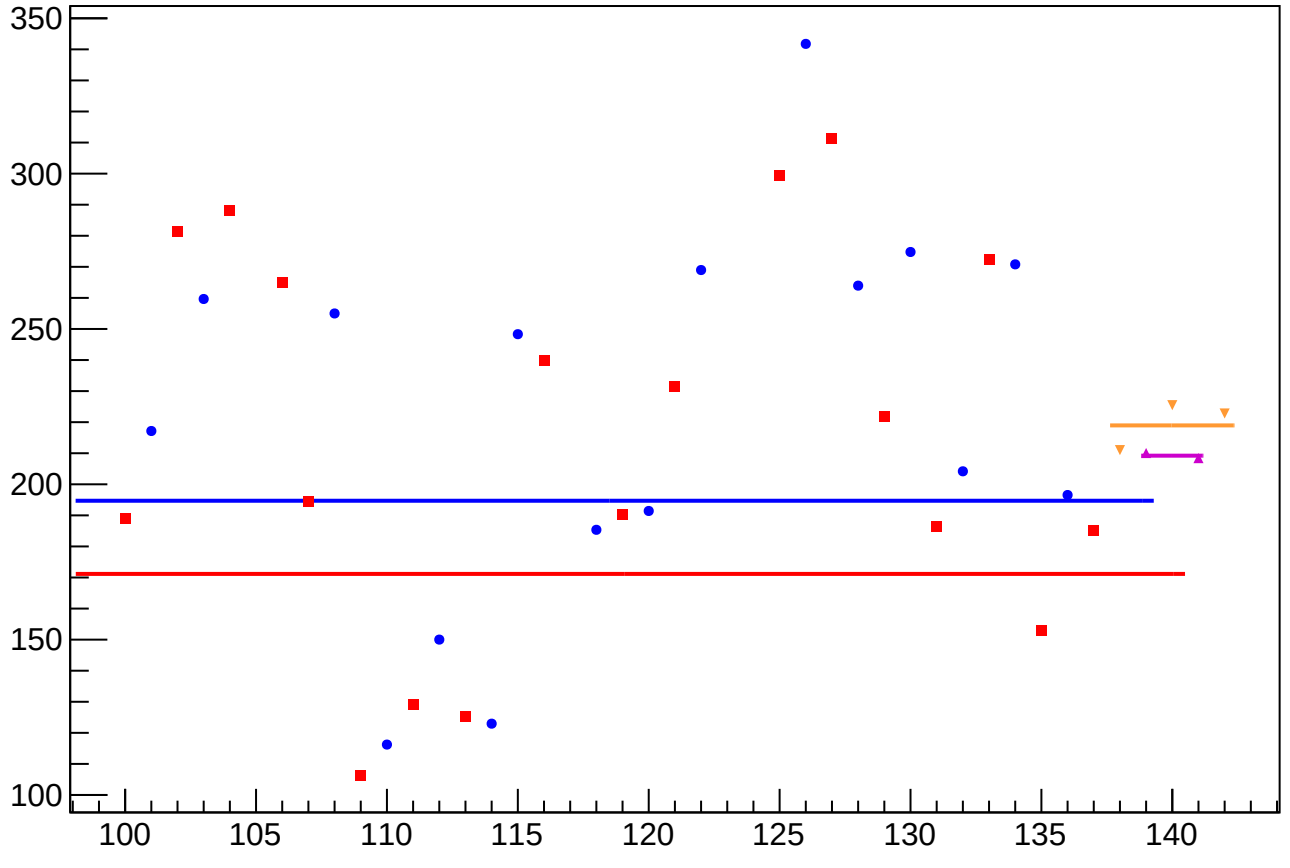
Left: 257.489+/-111.206 χ^2/NDF: 1.0/4

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 13.866+/-69.110 χ^2/NDF:19.7/17

Out: -84.754+/-62.724 χ^2/NDF:16.7/20

All: -40.210+/-46.446 χ^2/NDF: 37.6/38



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 218.960+/-0.109 χ^2/NDF:3804.8/2

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 209.217+/-0.113 χ^2/NDF:52.3/1

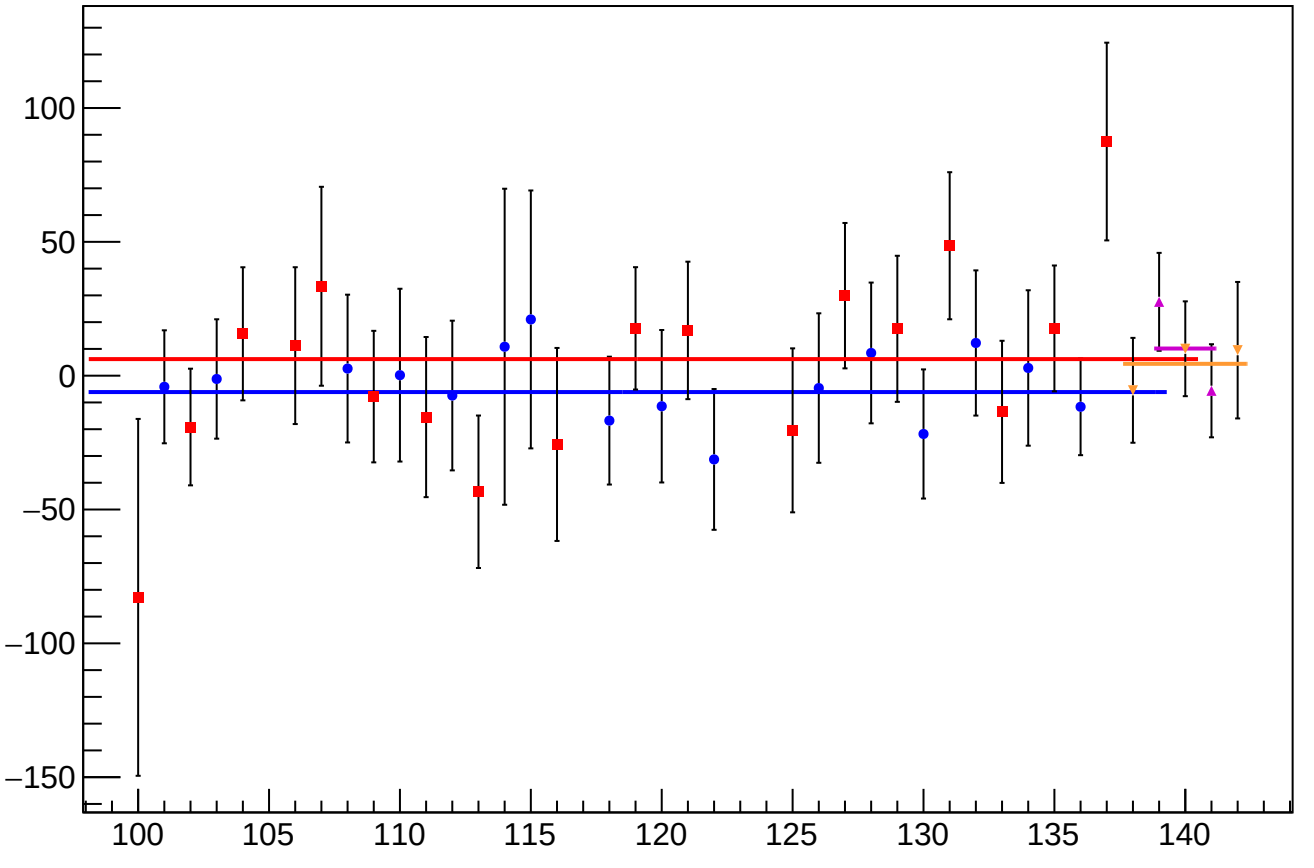
Left: 214.283+/-0.079 χ^2/NDF: 7689.2/4

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 197.398+/-0.049 χ^2/NDF:1065653.3/17

Out: 179.065+/-0.044 χ^2/NDF:1776126.0/20

All: 187.345+/-0.033 χ^2/NDF: 2918952.0/38



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.427+/-11.679 χ^2/NDF:0.4/2

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 10.143+/-12.602 χ^2/NDF:1.7/1

Left: 7.068+/-8.566 χ^2/NDF: 2.2/4

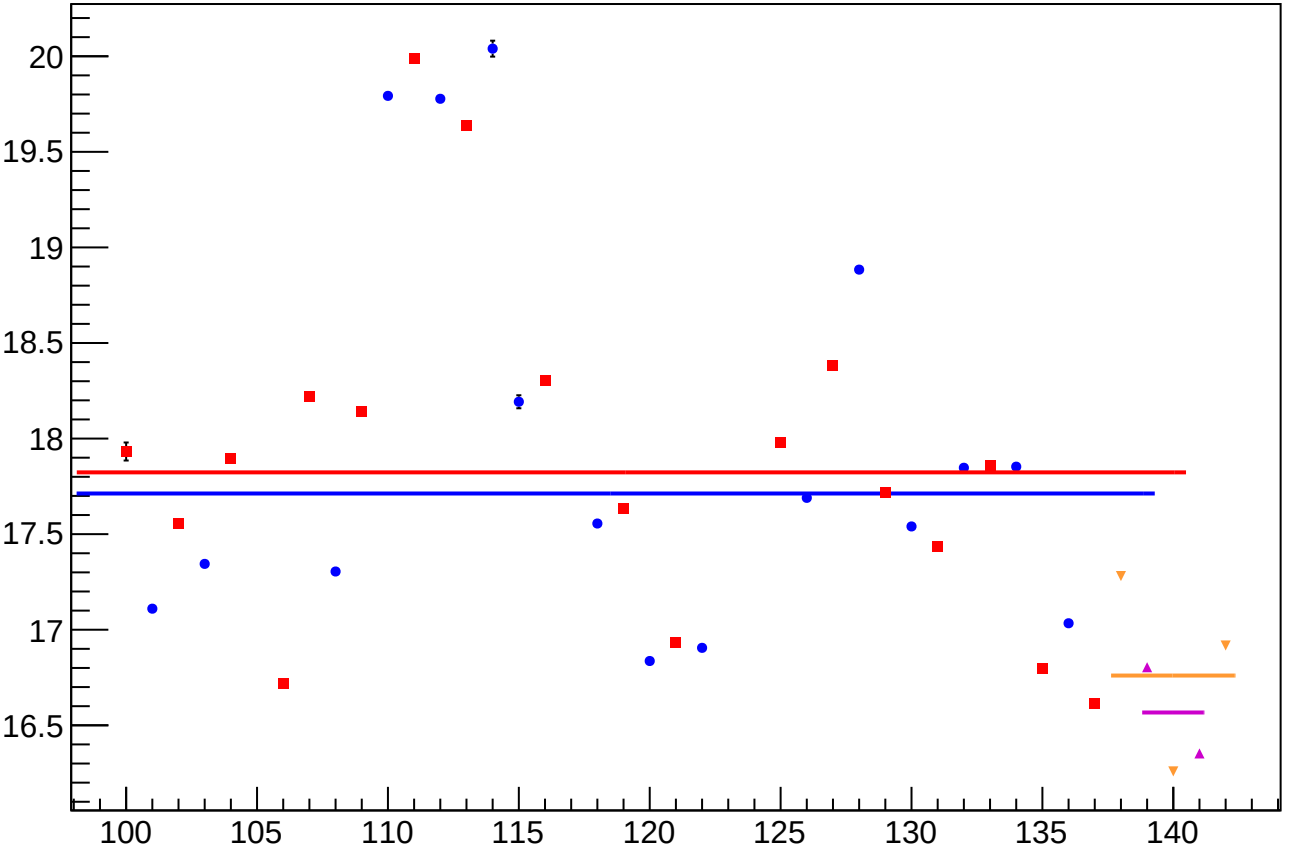
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -2.625+/-5.841 χ^2/NDF:6.2/17

Out: 5.769+/-5.733 χ^2/NDF:19.0/20

All: 1.650+/-4.092 χ^2/NDF: 26.3/38

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: 16.760+/-0.008 χ^2/NDF:3090.6/2

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.567+/-0.009 χ^2/NDF:638.7/1

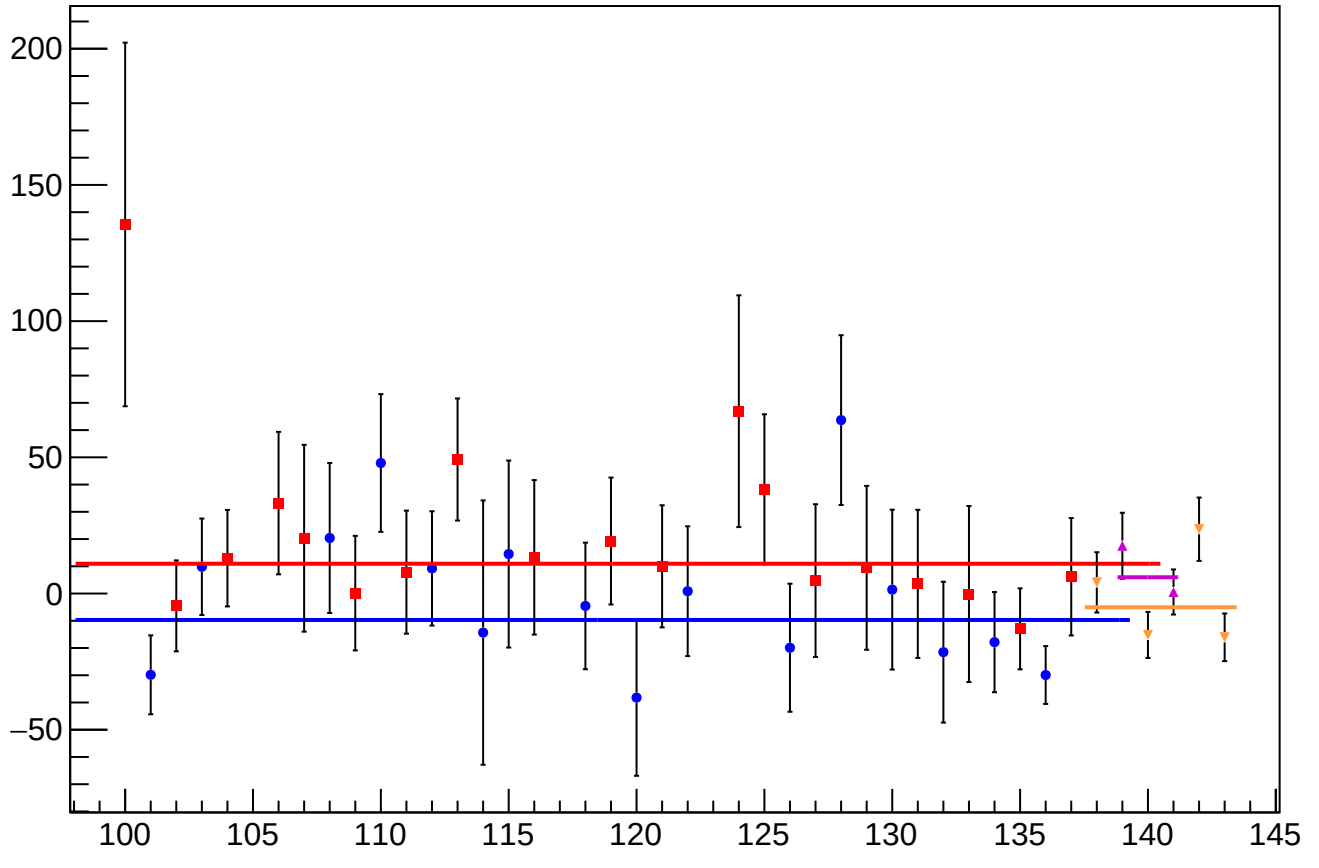
Left: 16.671+/-0.006 χ^2/NDF: 3982.3/4

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

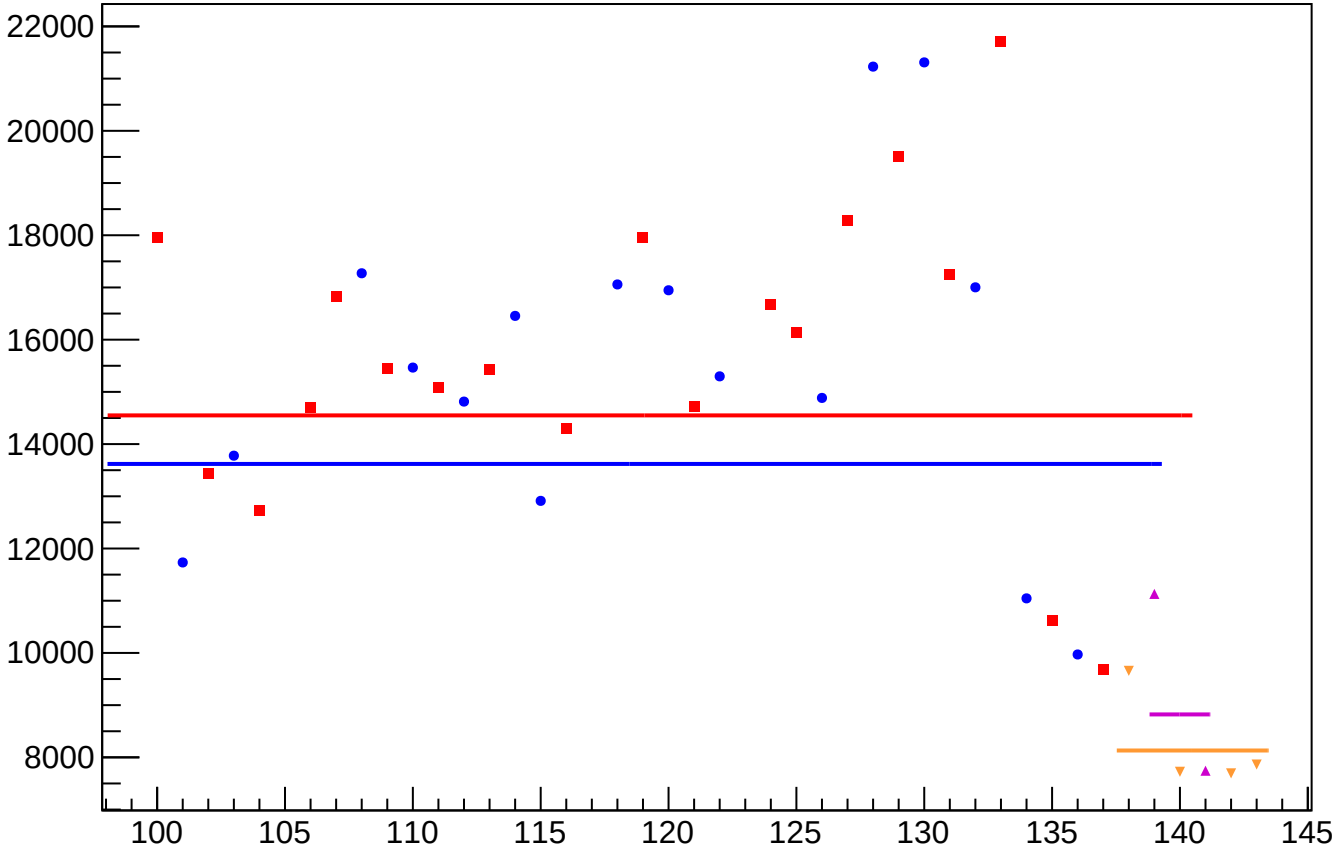
In: 17.467+/-0.004 χ^2/NDF:49598.9/17

Out: 17.567+/-0.004 χ^2/NDF:48166.6/20

All: 17.518+/-0.003 χ^2/NDF: 98067.5/38


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
140
145
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -5.038+/-4.843 χ²/NDF:9.8/3
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 5.972+/-6.829 χ²/NDF:1.3/1
Left: -1.354+/-3.950 χ²/NDF: 12.9/5
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -3.905+/-4.153 χ²/NDF:26.7/17
Out: 2.031+/-3.616 χ²/NDF:28.7/22
All: -0.529+/-2.727 χ²/NDF: 56.5/40

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8131.368+/-3.424 χ^2/NDF:47405.2/3

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8822.370+/-4.829 χ^2/NDF:106752.6/1

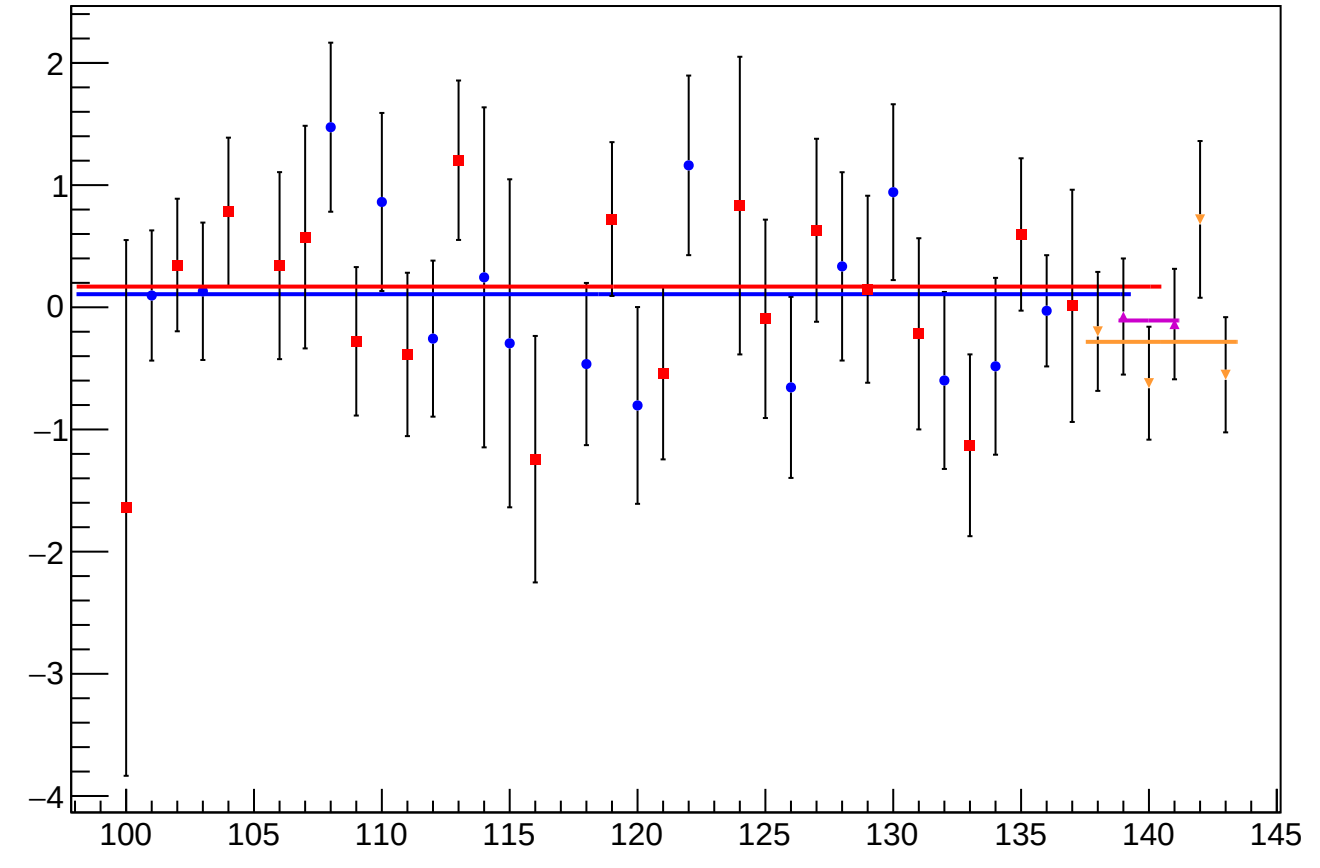
Left: 8362.590+/-2.793 χ^2/NDF: 167783.9/5

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 11845.589+/-2.937 χ^2/NDF:1475786.5/17

Out: 10971.126+/-2.557 χ^2/NDF:2157711.6/22

All: 11348.214+/-1.928 χ^2/NDF: 3683936.7/4



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.283+/-0.251 χ^2/NDF:3.3/3

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.108+/-0.328 χ^2/NDF:0.0/1

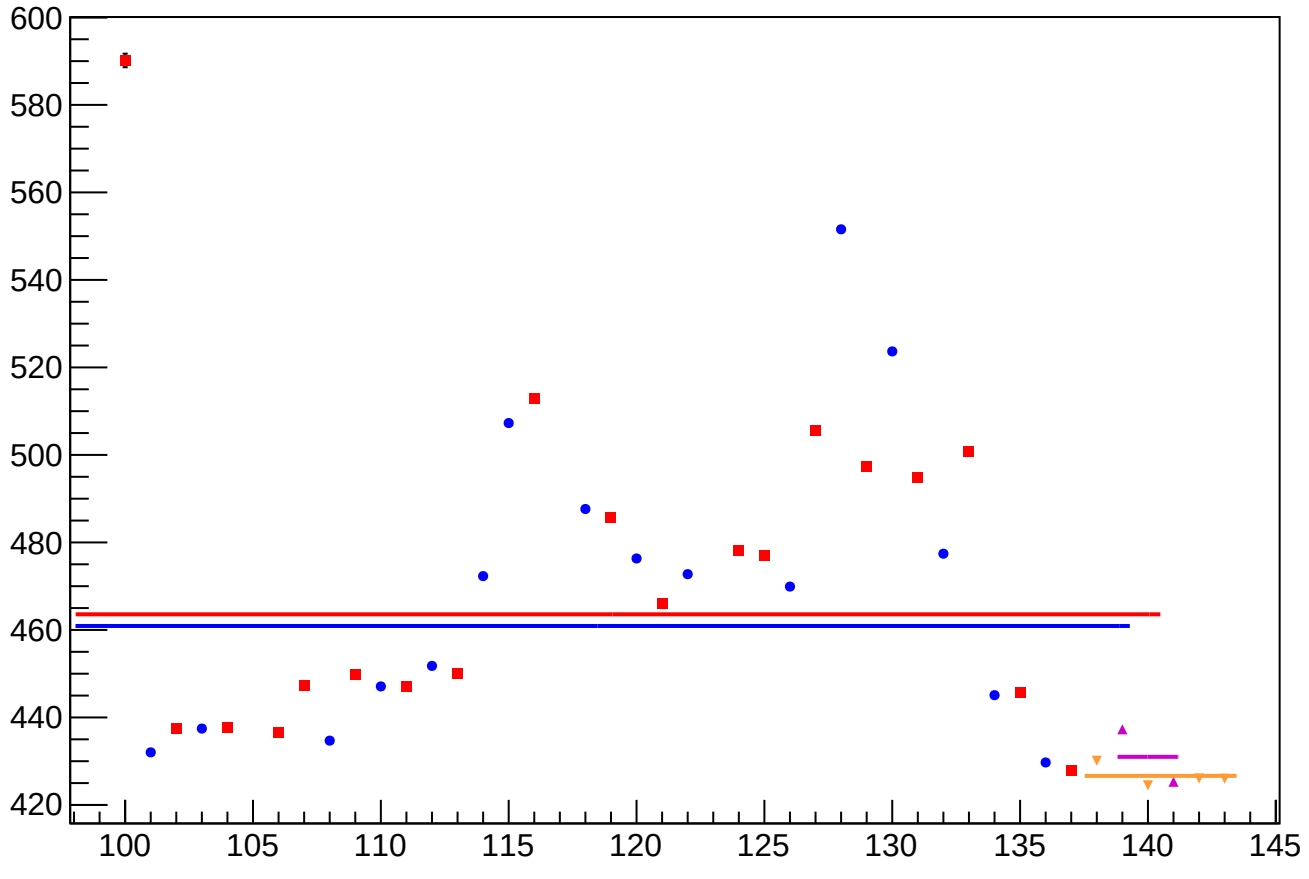
Left: -0.218+/-0.199 χ^2/NDF: 3.5/5

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.061+/-0.152 χ^2/NDF:14.0/17

Out: 0.028+/-0.140 χ^2/NDF:19.7/22

All: 0.043+/-0.103 χ^2/NDF: 33.7/40



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 426.650+/-0.178 χ^2/NDF:150.1/3

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.002+/-0.232 χ^2/NDF:668.2/1

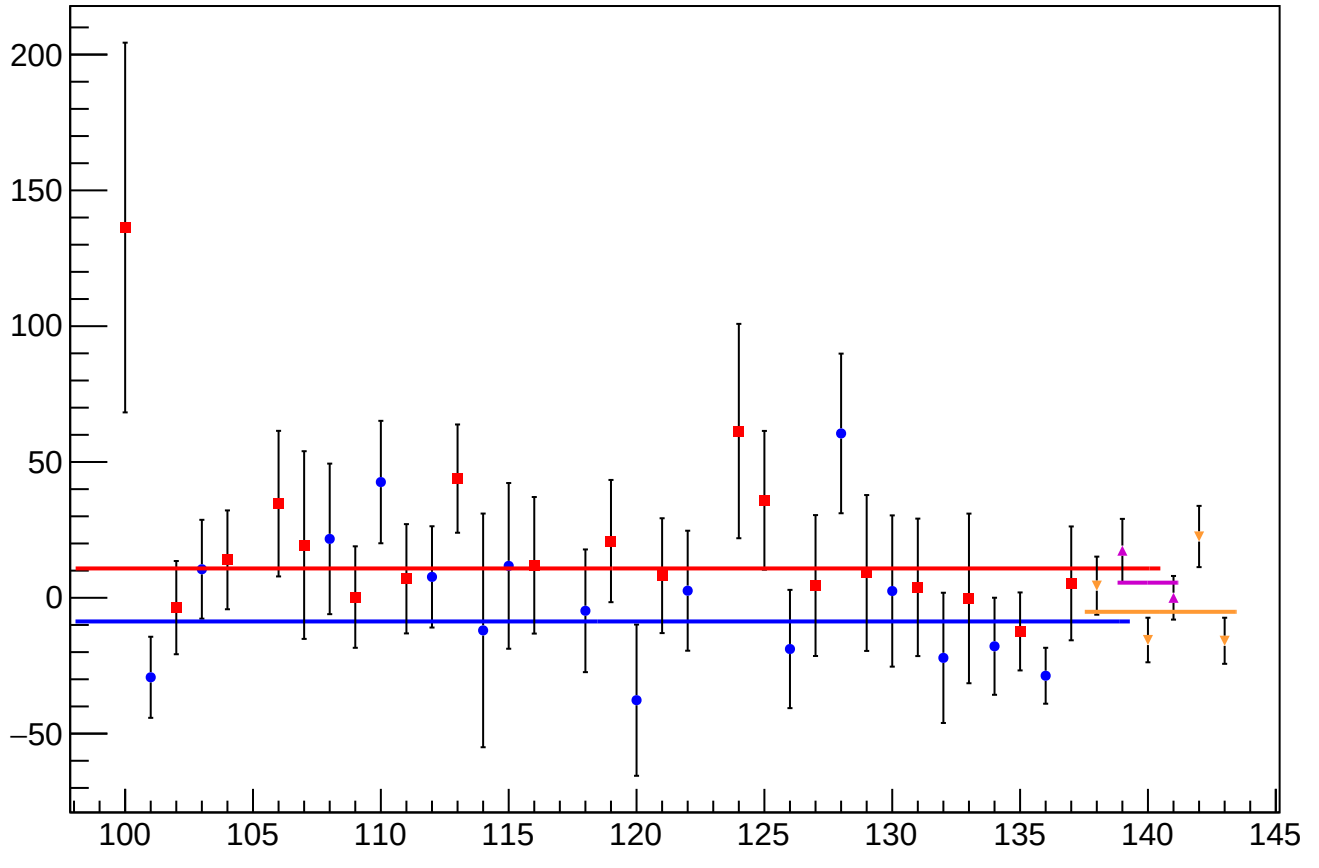
Left: 428.263+/-0.141 χ^2/NDF: 1040.4/5

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 454.460+/-0.108 χ^2/NDF:88675.0/17

Out: 452.038+/-0.099 χ^2/NDF:81996.4/22

All: 453.153+/-0.073 χ^2/NDF: 170945.1/40



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -5.158+/-4.695 χ^2/NDF:10.0/3

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 5.570+/-6.620 χ^2/NDF:1.5/1

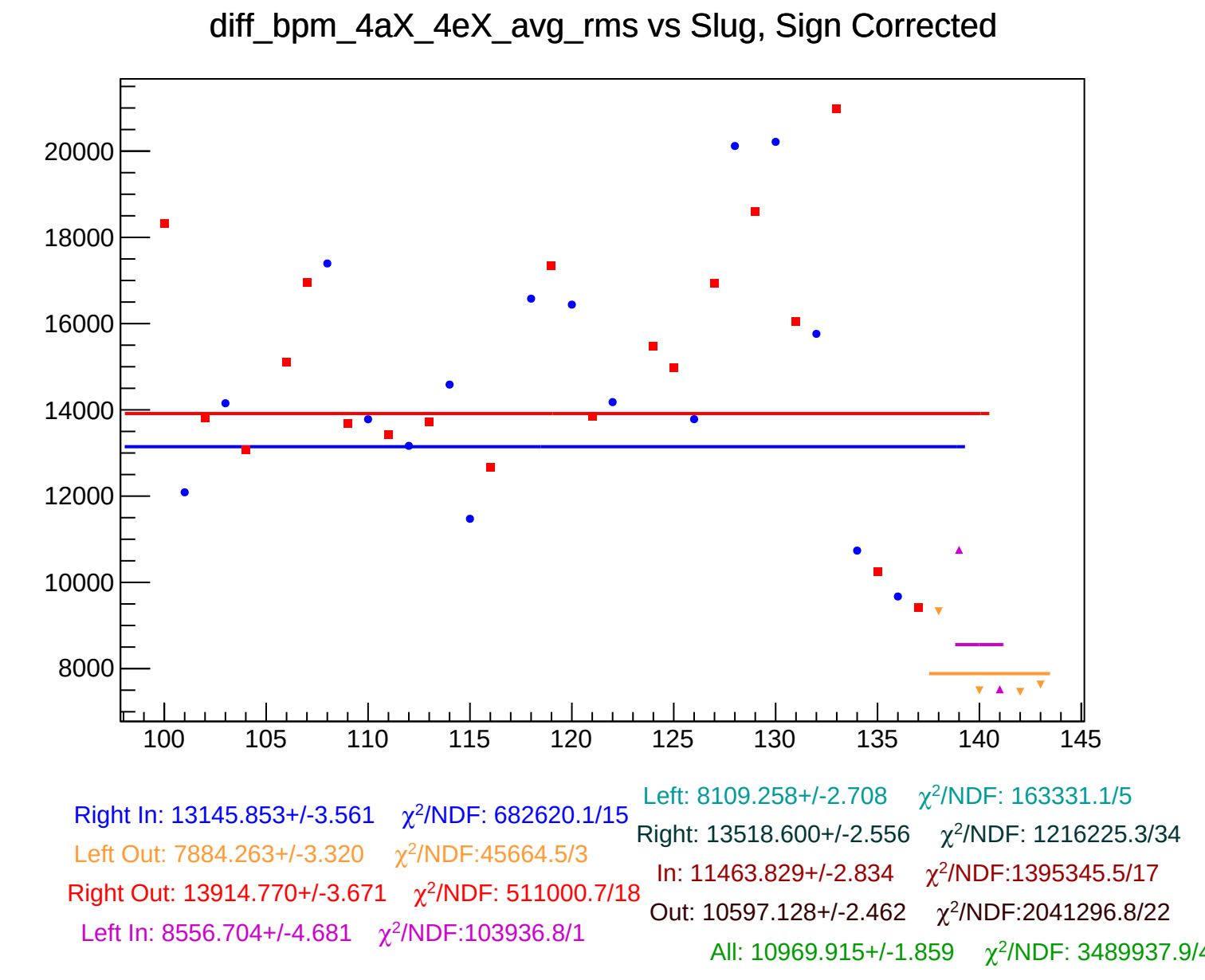
Left: -1.568+/-3.829 χ^2/NDF: 13.3/5

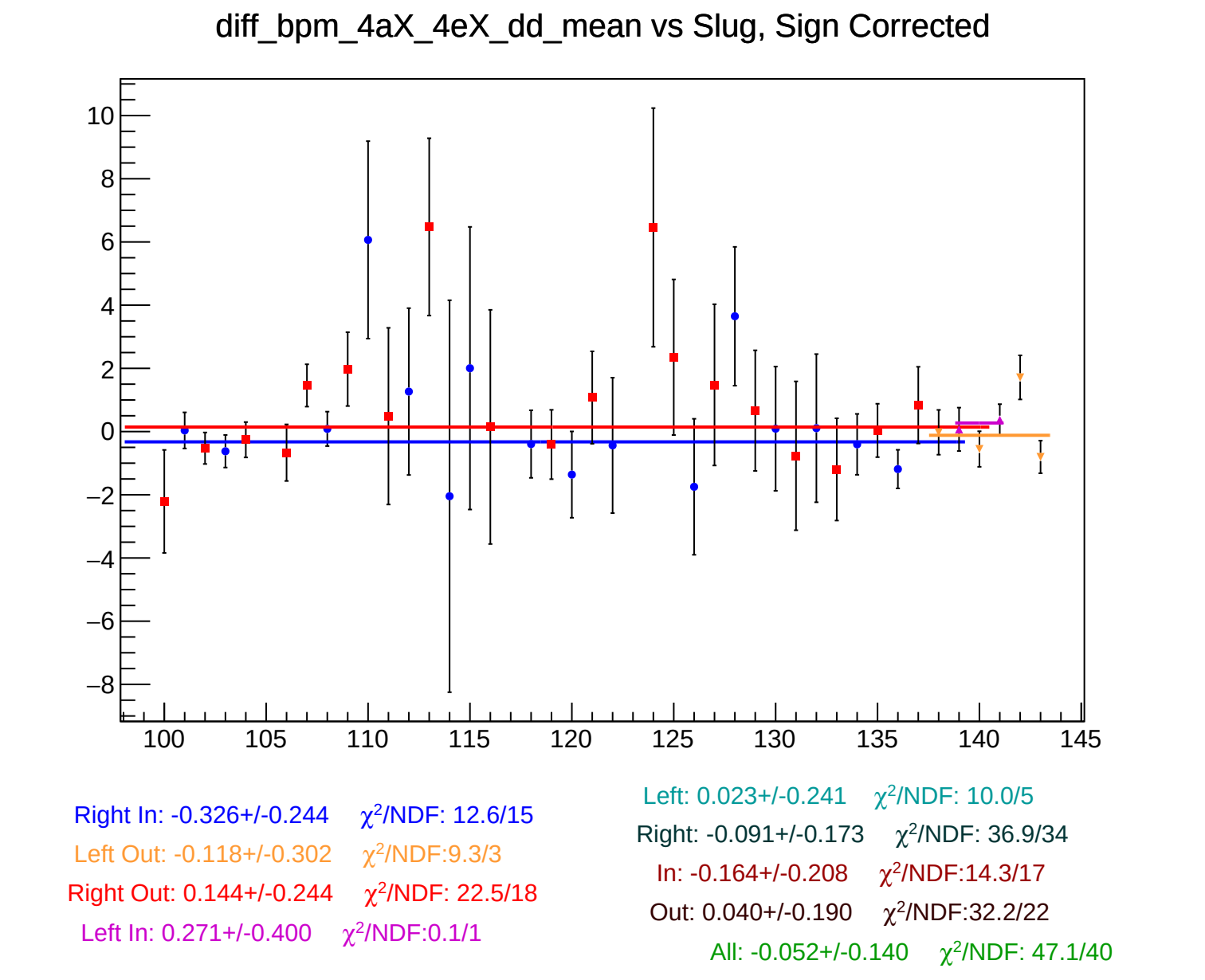
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

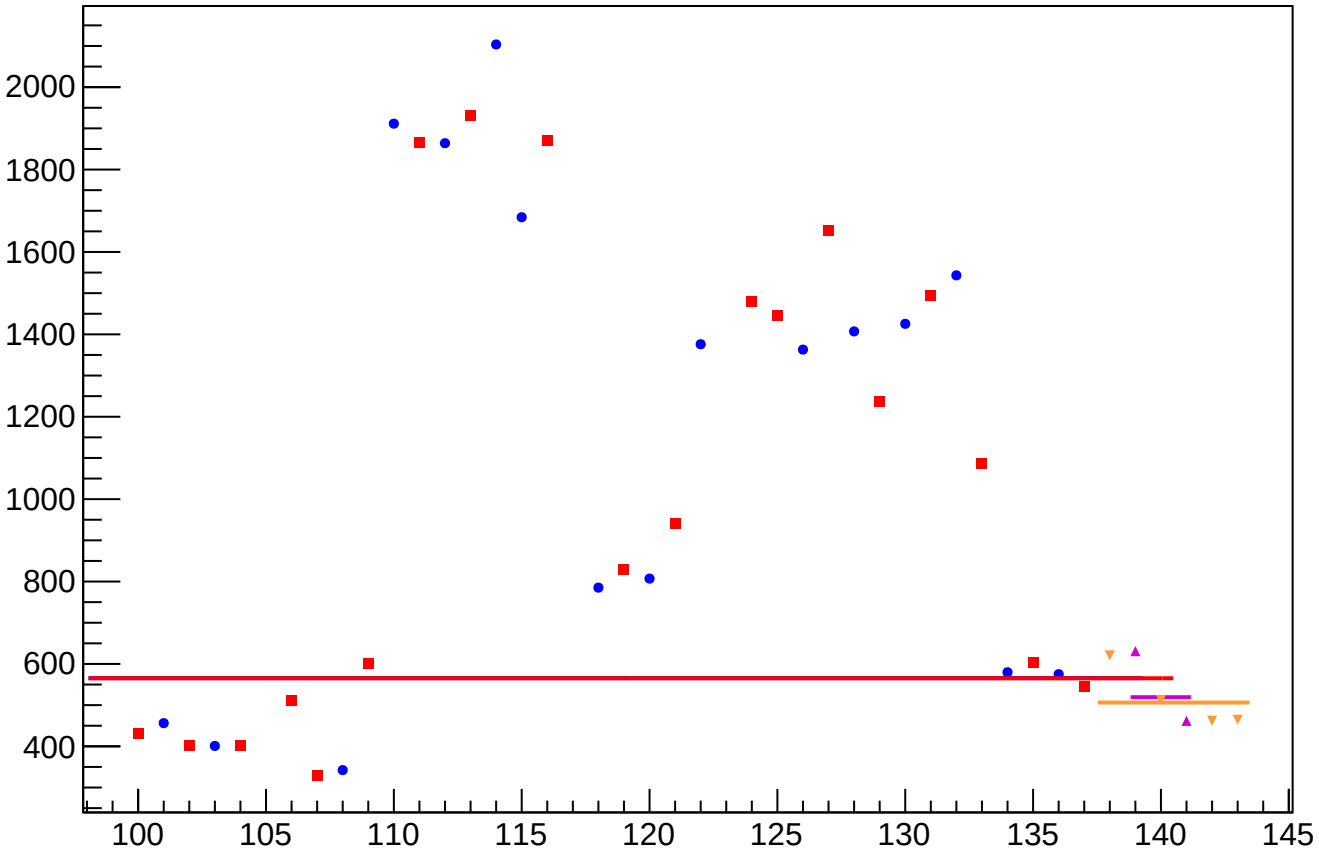
In: -3.474+/-4.008 χ^2/NDF:26.7/17

Out: 2.024+/-3.482 χ^2/NDF:29.1/22

All: -0.341+/-2.629 χ^2/NDF: 56.9/40


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
145
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 7884.263+/-3.320 χ²/NDF:45664.5/3
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8556.704+/-4.681 χ²/NDF:103936.8/1
Left: 8109.258+/-2.708 χ²/NDF: 163331.1/5
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 11463.829+/-2.834 χ²/NDF:1395345.5/17
Out: 10597.128+/-2.462 χ²/NDF:2041296.8/22
All: 10969.915+/-1.859 χ²/NDF: 3489937.9/4


diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected
10
8
6
4
2
0
−2
−4
−6
−8
100
105
110
115
120
125
130
135
140
145
Right In: -0.326+/-0.244 χ²/NDF: 12.6/15
Left Out: -0.118+/-0.302 χ²/NDF:9.3/3
Right Out: 0.144+/-0.244 χ²/NDF: 22.5/18
Left In: 0.271+/-0.400 χ²/NDF:0.1/1
Left: 0.023+/-0.241 χ²/NDF: 10.0/5
Right: -0.091+/-0.173 χ²/NDF: 36.9/34
In: -0.164+/-0.208 χ²/NDF:14.3/17
Out: 0.040+/-0.190 χ²/NDF:32.2/22
All: -0.052+/-0.140 χ²/NDF: 47.1/40



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 506.260+/-0.213 χ^2/NDF:73566.6/3

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 519.286+/-0.283 χ^2/NDF:80115.8/1

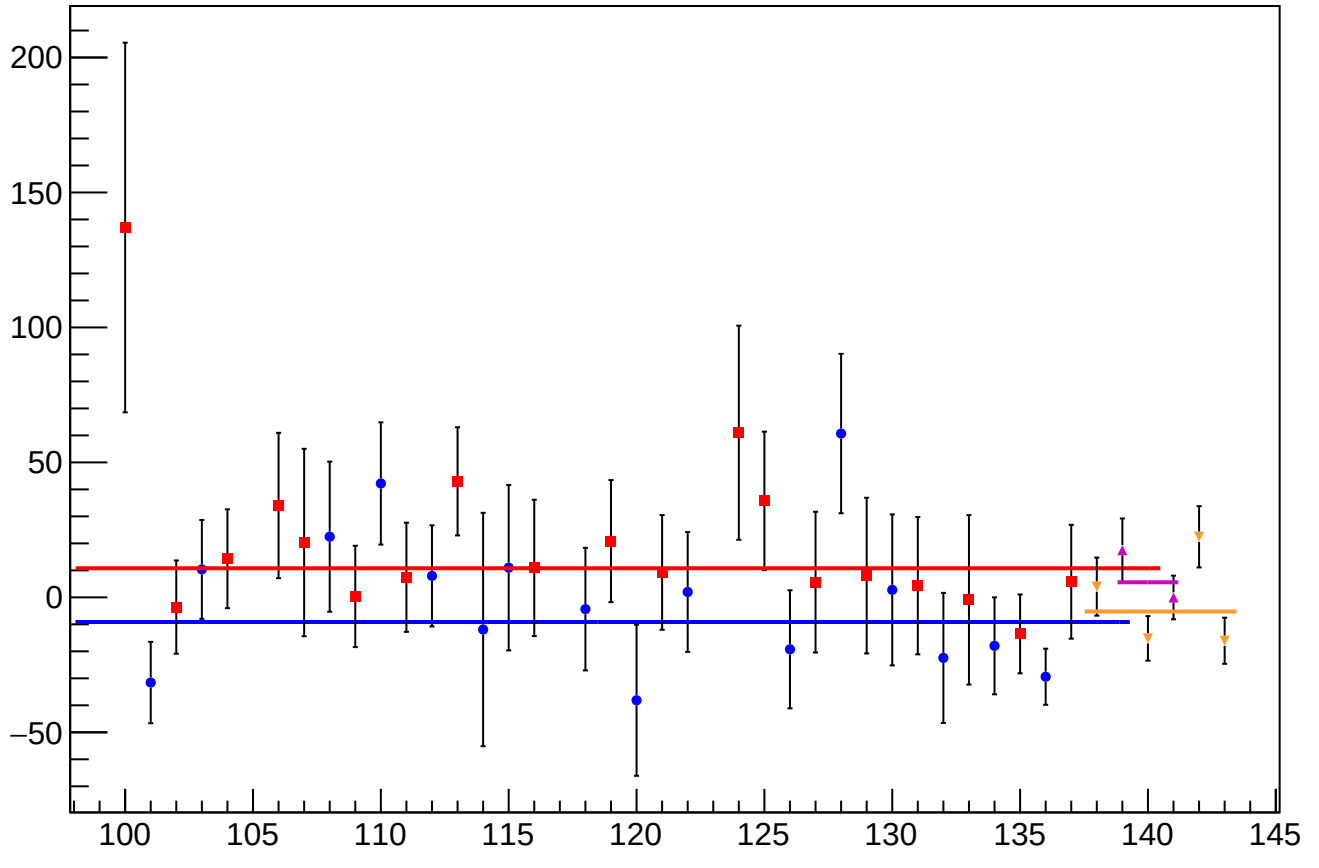
Left: 510.983+/-0.170 χ^2/NDF: 155032.7/5

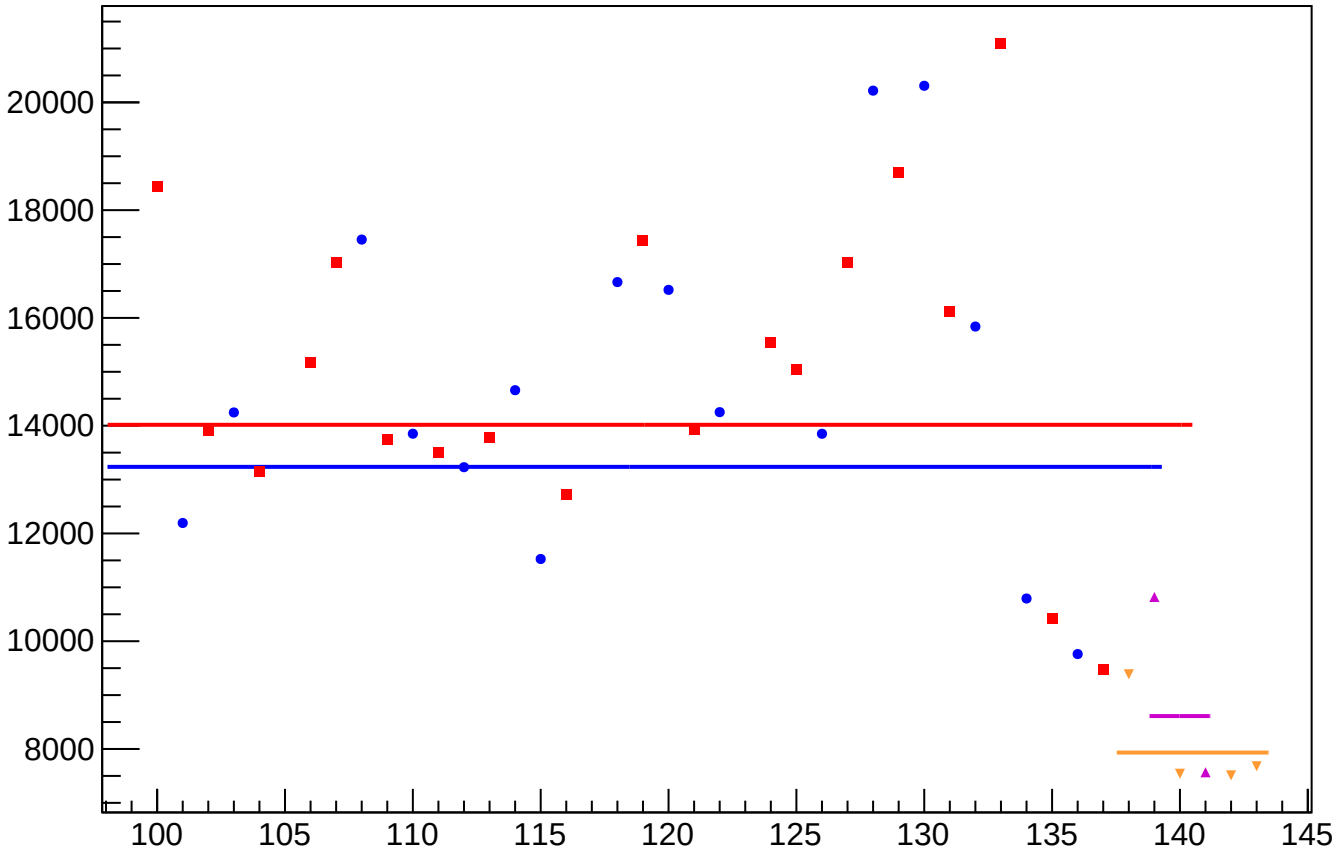
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 552.992+/-0.147 χ^2/NDF:3550109.4/17

Out: 541.878+/-0.134 χ^2/NDF:3691288.4/22

All: 546.920+/-0.099 χ^2/NDF: 7244504.6/40


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
105
110
115
120
125
130
135
140
145
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -5.240+/-4.724 χ²/NDF:9.8/3
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 5.579+/-6.662 χ²/NDF:1.5/1
Left: -1.620+/-3.854 χ²/NDF: 13.0/5
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -3.737+/-4.034 χ²/NDF:27.3/17
Out: 1.965+/-3.505 χ²/NDF:28.6/22
All: -0.487+/-2.646 χ²/NDF: 57.1/40



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 7933.651+/-3.340 χ^2/NDF:45582.6/3

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8610.782+/-4.711 χ^2/NDF:103915.4/1

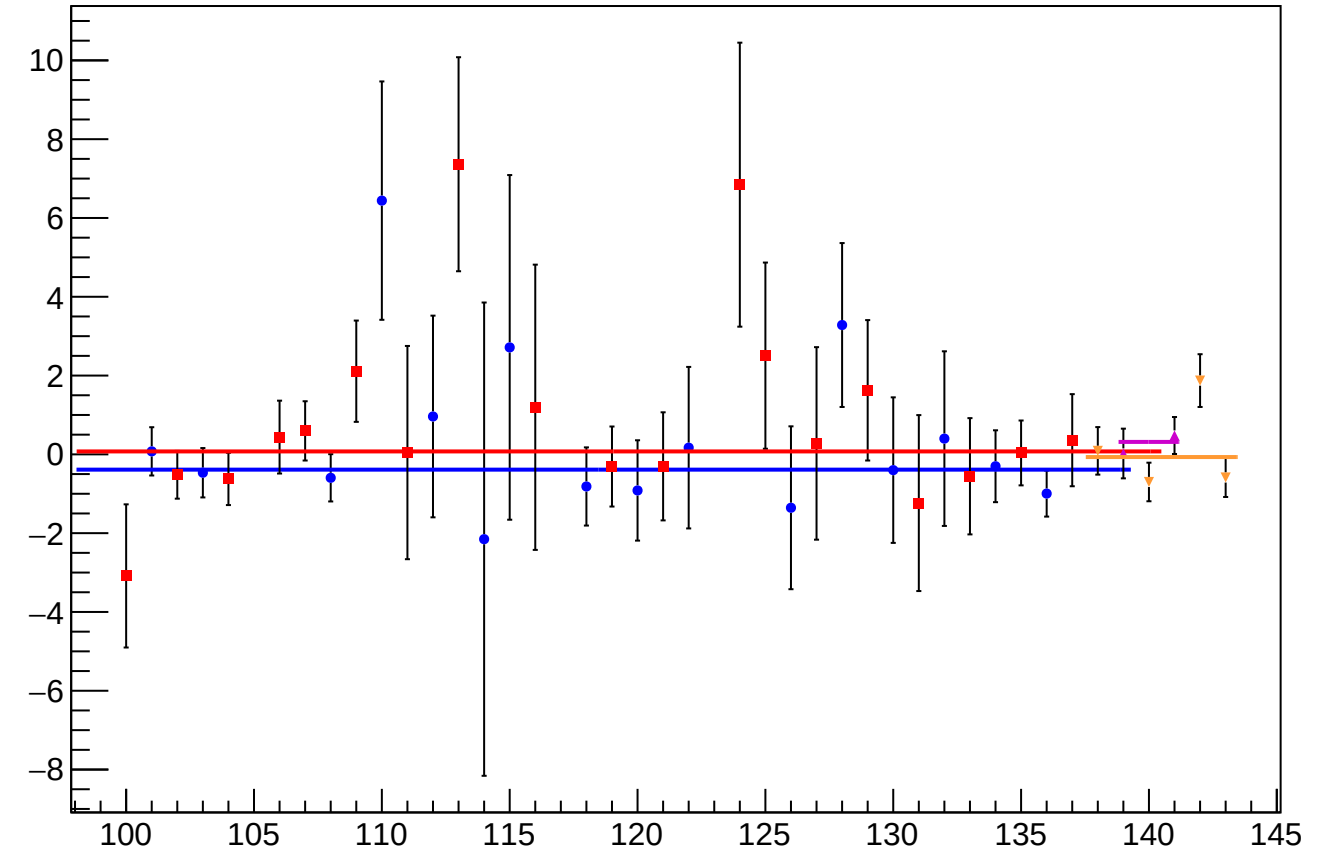
Left: 8160.200+/-2.725 χ^2/NDF: 163246.4/5

Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 11539.921+/-2.853 χ^2/NDF:1388266.1/17

Out: 10667.918+/-2.478 χ^2/NDF:2034668.7/22

All: 11042.995+/-1.871 χ^2/NDF: 3476185.7/4



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.068+/-0.275 χ^2/NDF:11.2/3

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: 0.066+/-0.222 χ^2/NDF: 12.2/5

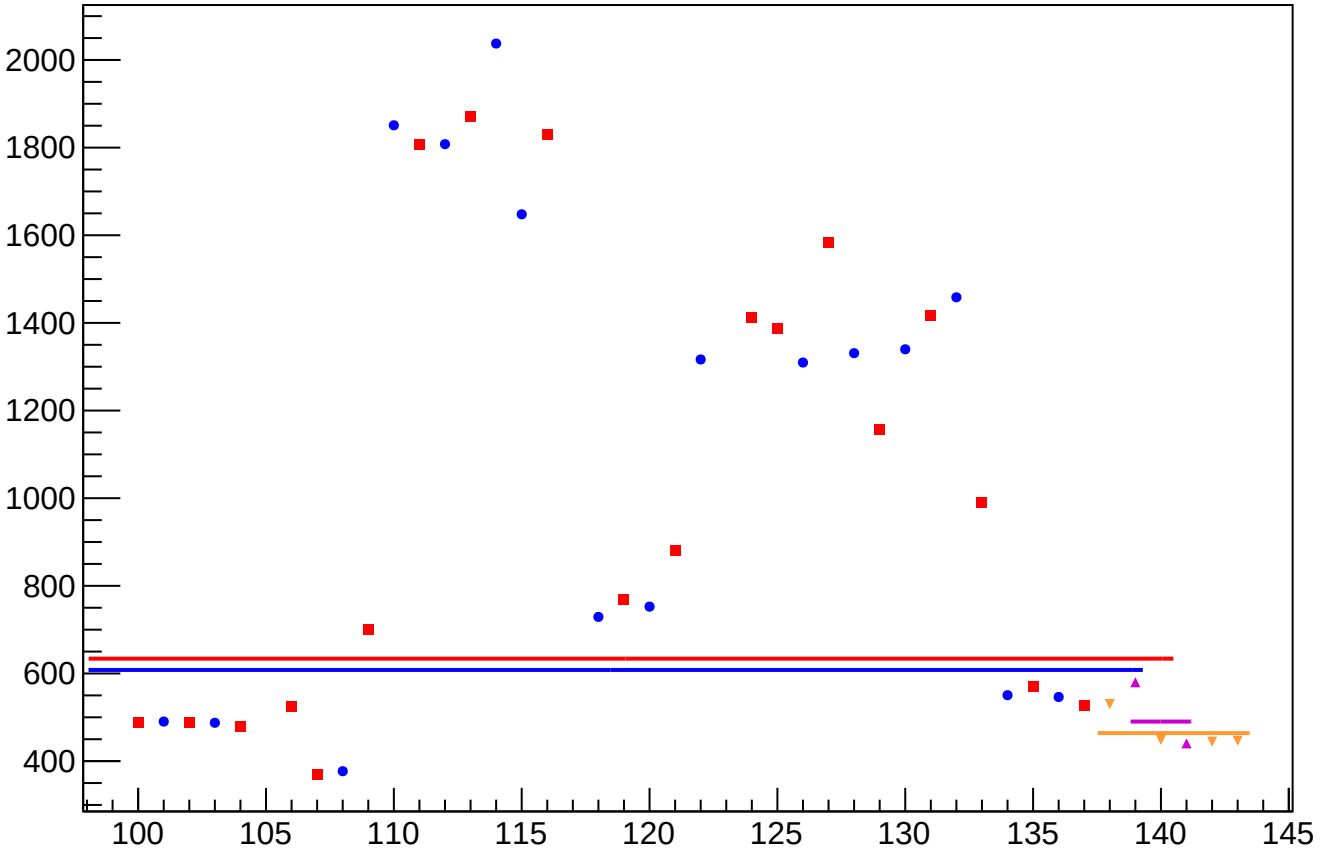
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.165+/-0.212 χ^2/NDF:14.4/17

Out: 0.006+/-0.191 χ^2/NDF:33.1/22

All: -0.071+/-0.142 χ^2/NDF: 47.8/40

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 464.019+/-0.194 χ^2/NDF:30318.4/3

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 490.284+/-0.266 χ^2/NDF:62964.1/1

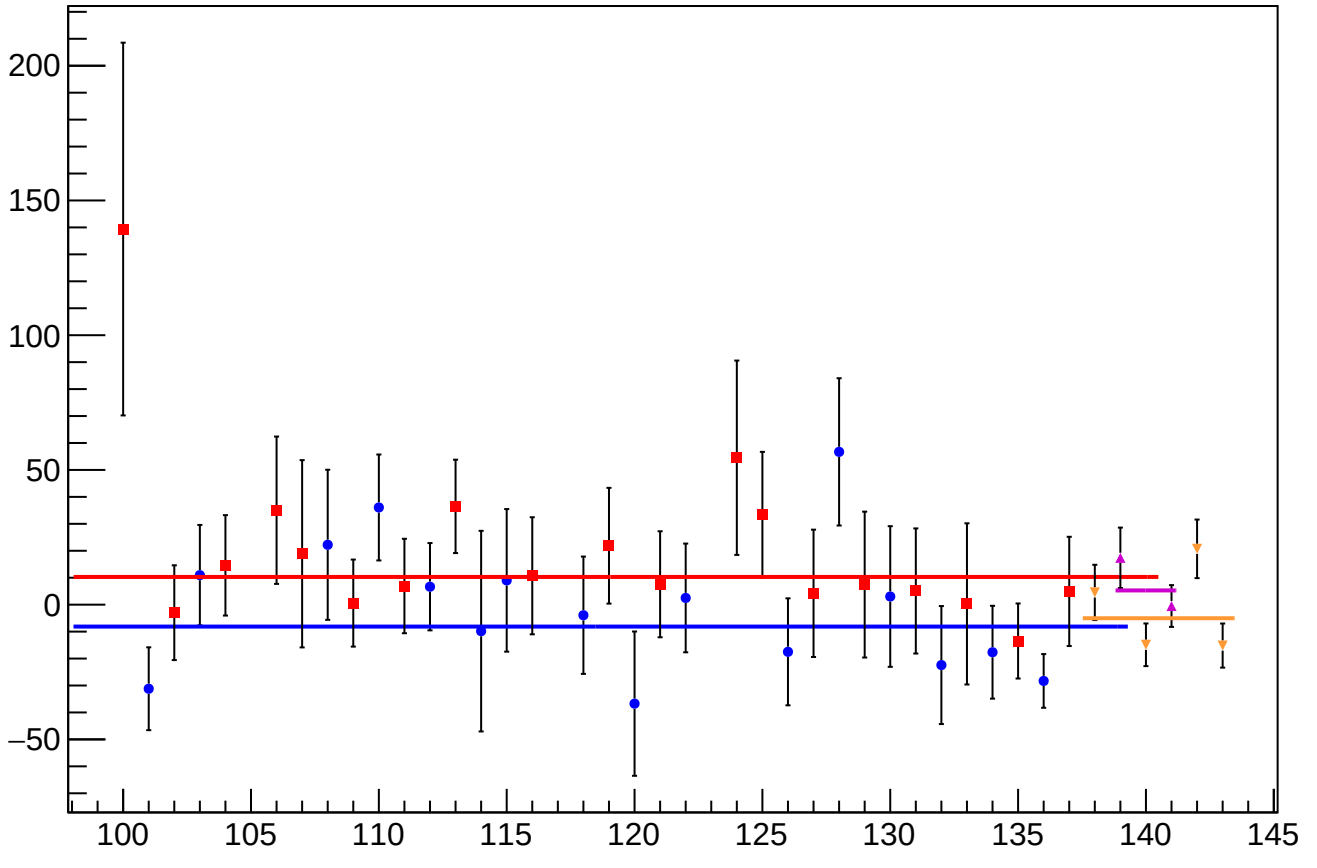
Left: 473.157+/-0.157 χ^2/NDF: 99633.6/5

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 570.867+/-0.150 χ^2/NDF:3049690.2/17

Out: 552.224+/-0.135 χ^2/NDF:3215243.4/22

All: 560.580+/-0.100 χ^2/NDF: 6273508.7/40



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -5.036+/-4.523 χ^2/NDF:9.6/3

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: -1.582+/-3.689 χ^2/NDF: 13.0/5

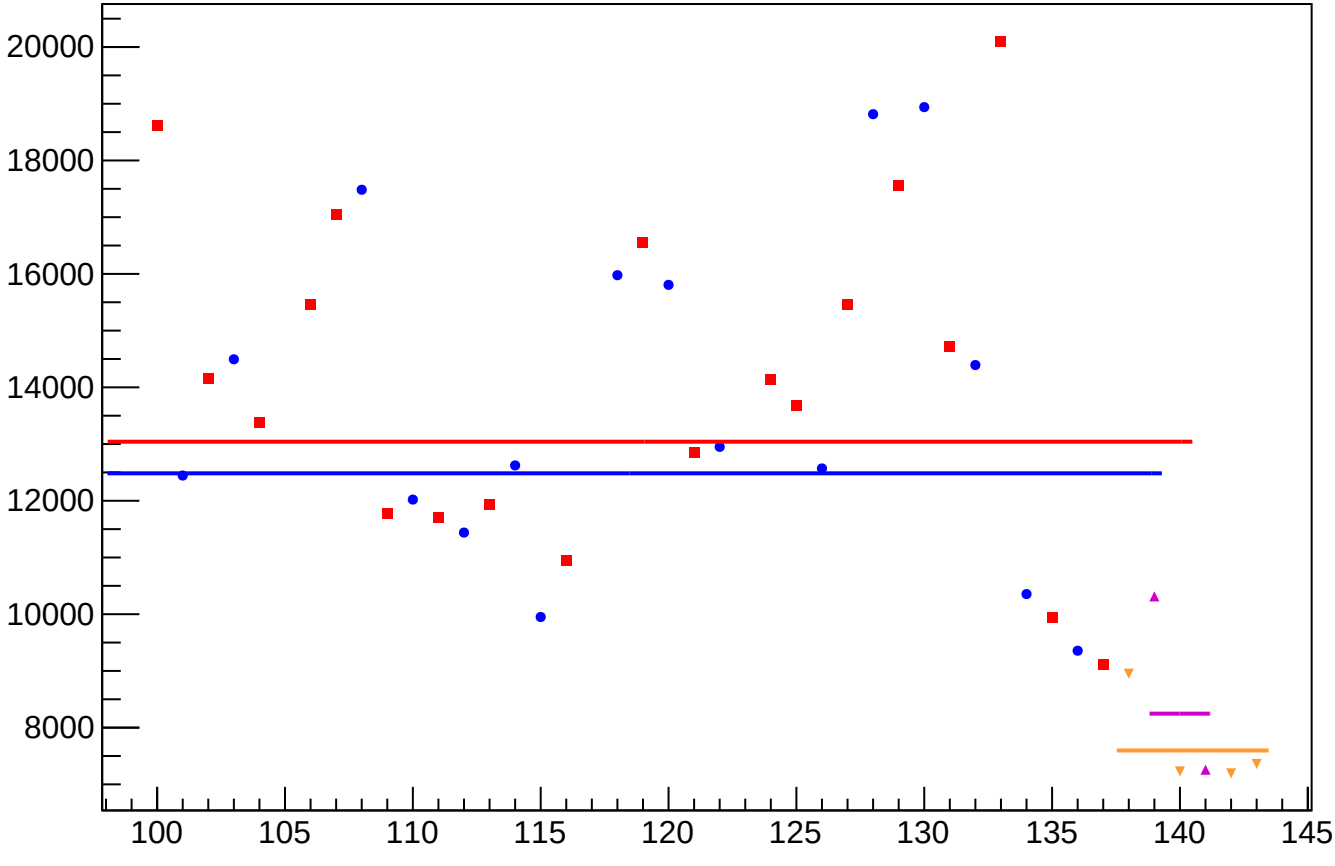
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -3.307+/-3.824 χ^2/NDF:27.7/17

Out: 2.055+/-3.315 χ^2/NDF:28.6/22

All: -0.246+/-2.505 χ^2/NDF: 57.4/40

diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7597.538+/-3.198 χ^2/NDF:43675.2/3

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8246.765+/-4.509 χ^2/NDF:100457.6/1

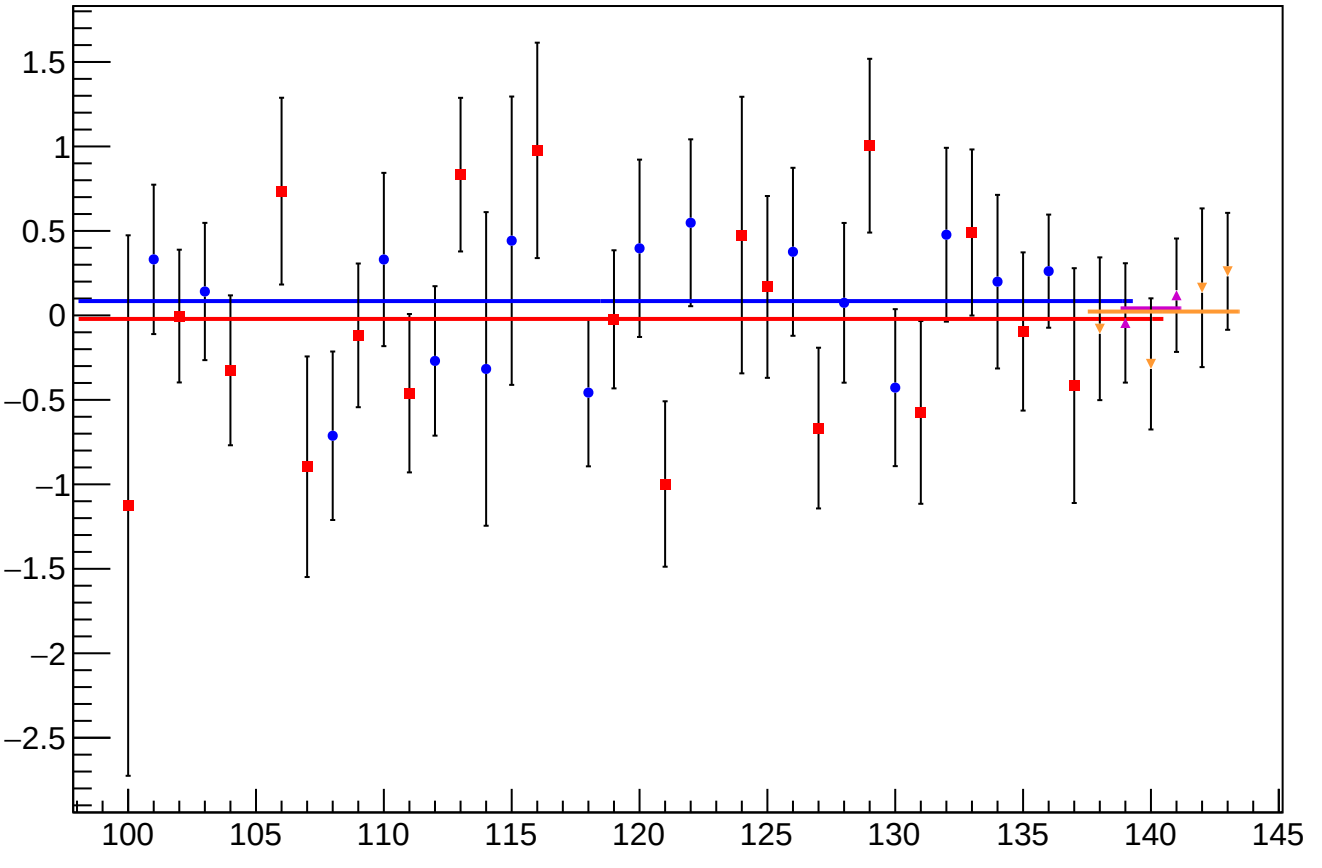
Left: 7814.807+/-2.609 χ^2/NDF: 157924.8/5

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10960.085+/-2.704 χ^2/NDF:1337430.6/17

Out: 10116.509+/-2.344 χ^2/NDF:1928910.9/22

All: 10478.430+/-1.771 χ^2/NDF: 3321903.4/4



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.200 χ^2/NDF:1.3/3

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.042+/-0.243 χ^2/NDF:0.1/1

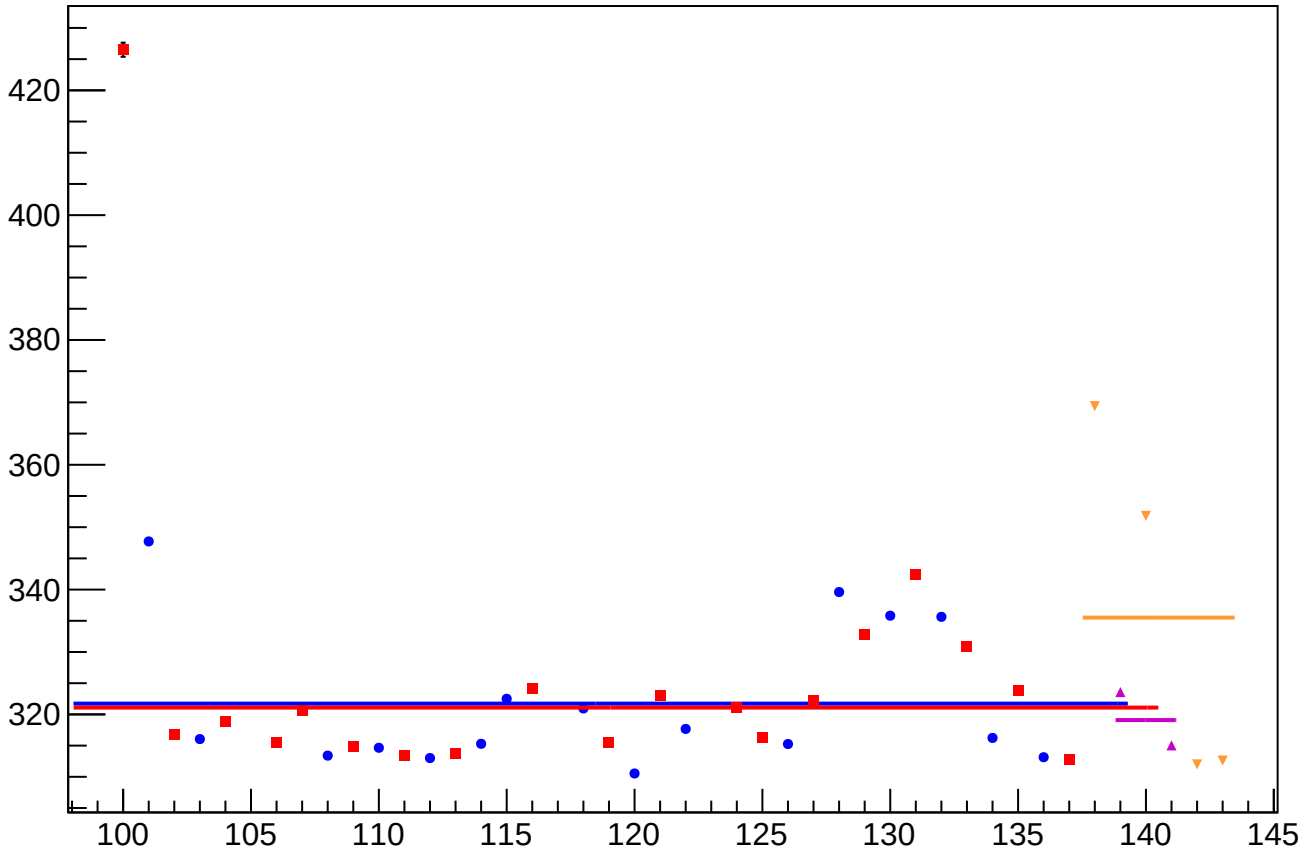
Left: 0.030+/-0.154 χ^2/NDF: 1.4/5

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.076+/-0.108 χ^2/NDF:9.5/17

Out: -0.010+/-0.101 χ^2/NDF:25.6/22

All: 0.031+/-0.074 χ^2/NDF: 35.4/40



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 335.514+/-0.141 χ^2/NDF:30170.0/3

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 319.092+/-0.172 χ^2/NDF:615.0/1

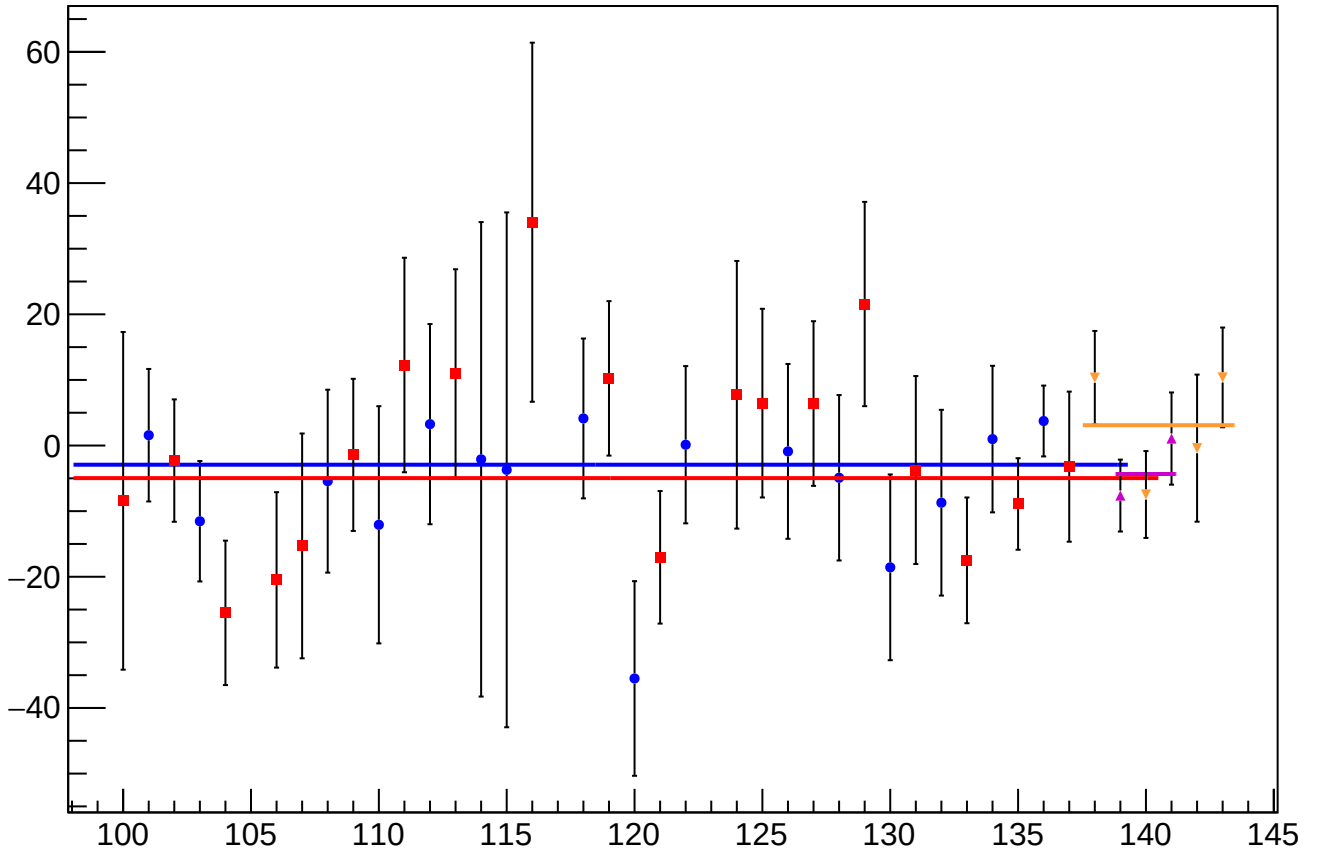
Left: 328.912+/-0.109 χ^2/NDF: 36231.5/5

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.211+/-0.076 χ^2/NDF:19018.2/17

Out: 324.806+/-0.072 χ^2/NDF:54507.4/22

All: 323.120+/-0.052 χ^2/NDF: 74708.2/40



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.099+/-3.840 χ^2/NDF:4.6/3

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -4.339+/-4.321 χ^2/NDF:1.0/1

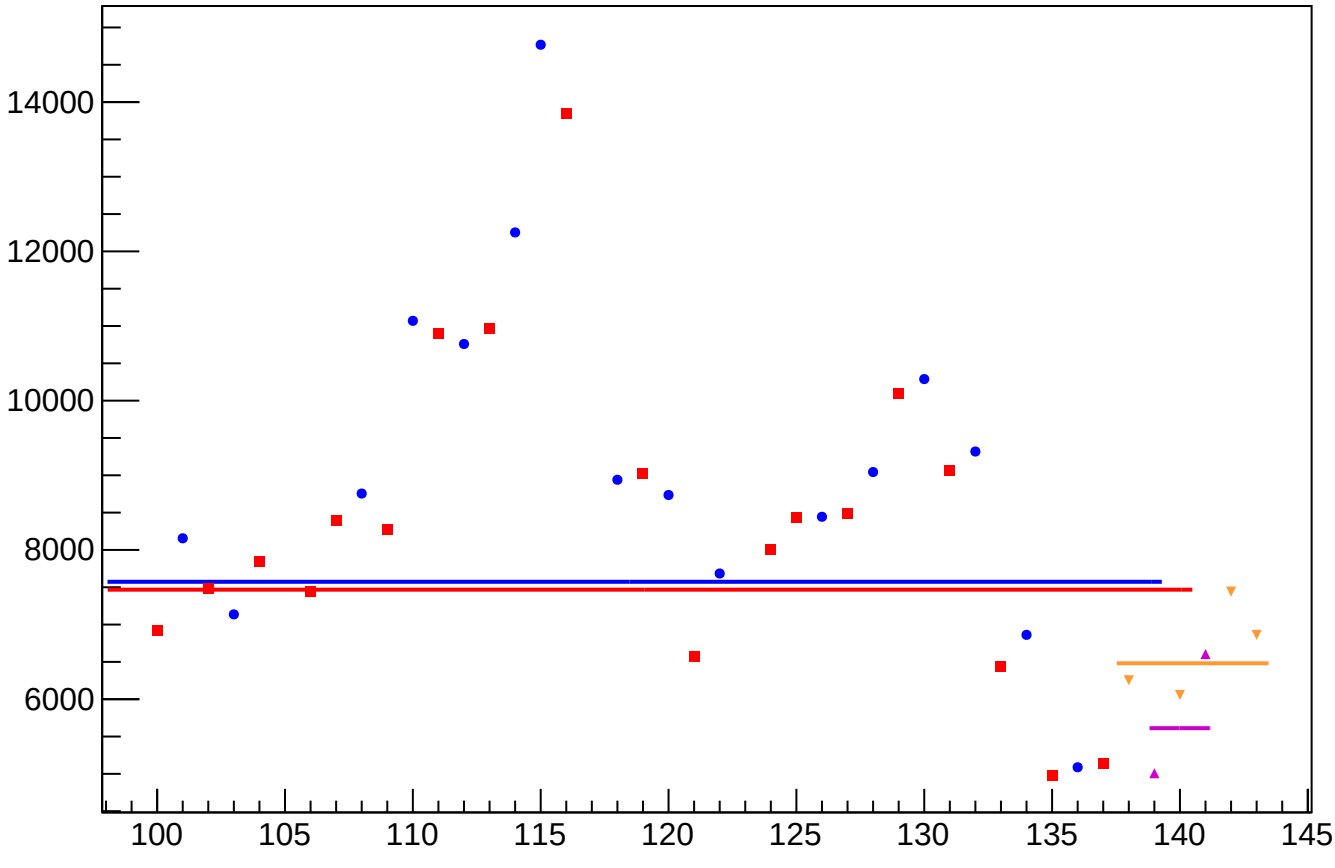
Left: -0.184+/-2.870 χ^2/NDF: 7.2/5

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -3.364+/-2.414 χ^2/NDF:10.9/17

Out: -2.135+/-2.275 χ^2/NDF:26.9/22

All: -2.713+/-1.656 χ^2/NDF: 37.9/40



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6481.529+/-2.716 χ^2/NDF:29964.2/3

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 5612.114+/-3.055 χ^2/NDF:64238.3/1

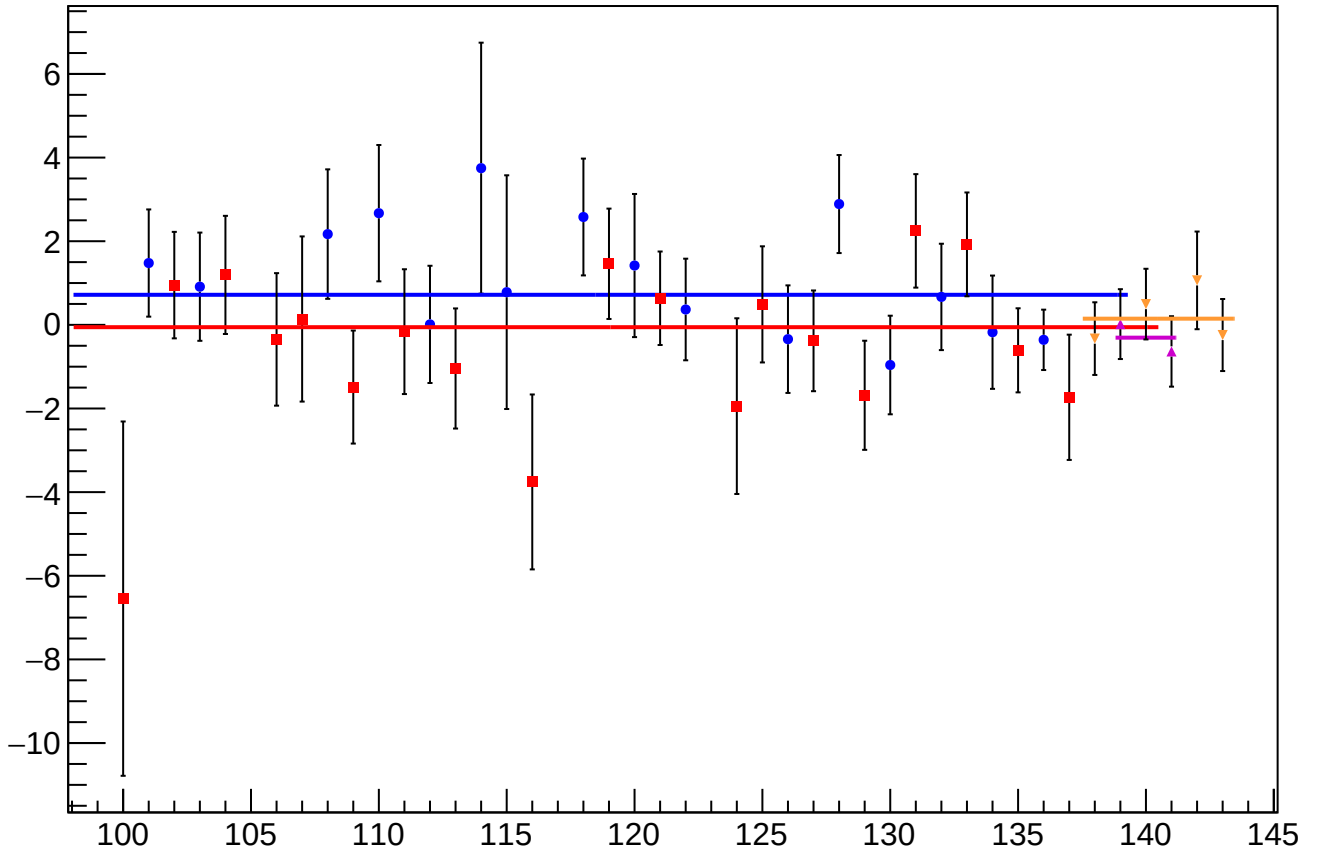
Left: 6097.830+/-2.030 χ^2/NDF: 139439.6/5

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6961.151+/-1.707 χ^2/NDF:1245224.9/17

Out: 7121.458+/-1.609 χ^2/NDF:943876.2/22

All: 7046.044+/-1.171 χ^2/NDF: 2193772.4/40



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.148+/-0.456 χ^2/NDF:1.3/3

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.306+/-0.593 χ^2/NDF:0.3/1

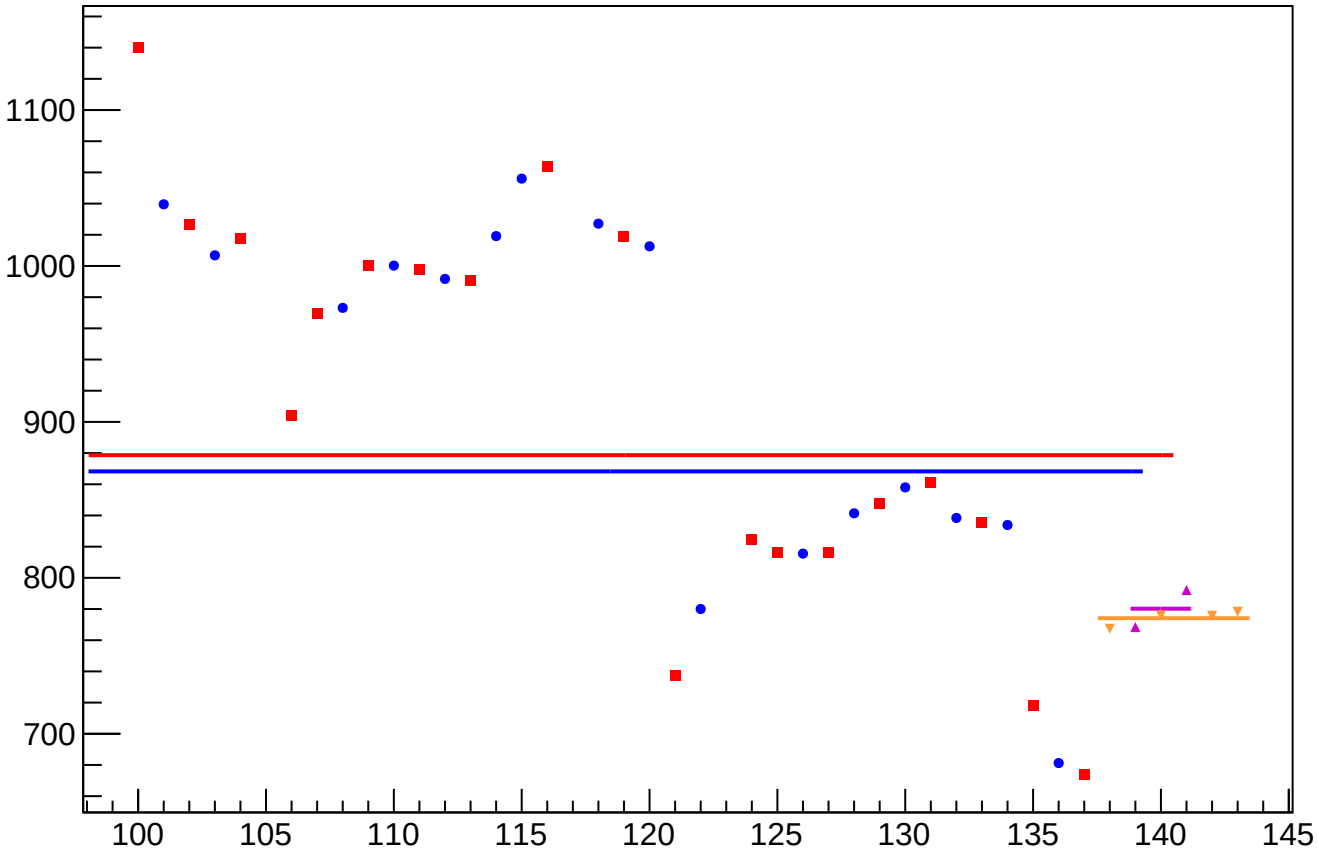
Left: -0.021+/-0.362 χ^2/NDF: 2.0/5

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.481+/-0.286 χ^2/NDF:17.4/17

Out: 0.012+/-0.264 χ^2/NDF:21.2/22

All: 0.228+/-0.194 χ^2/NDF: 40.1/40



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 774.121+/-0.323 χ^2/NDF:178.8/3

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 780.223+/-0.419 χ^2/NDF:801.8/1

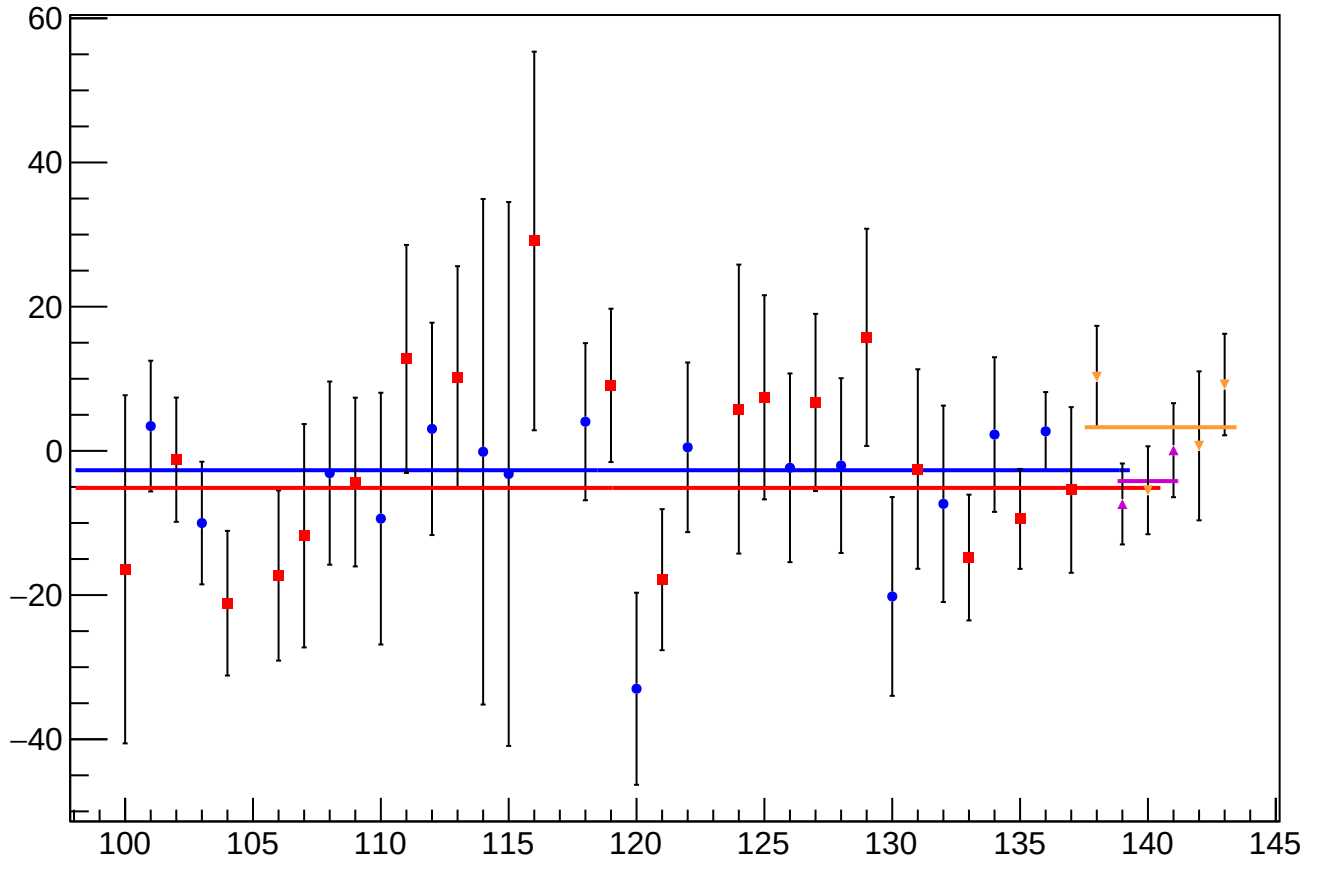
Left: 776.389+/-0.256 χ^2/NDF: 1113.7/5

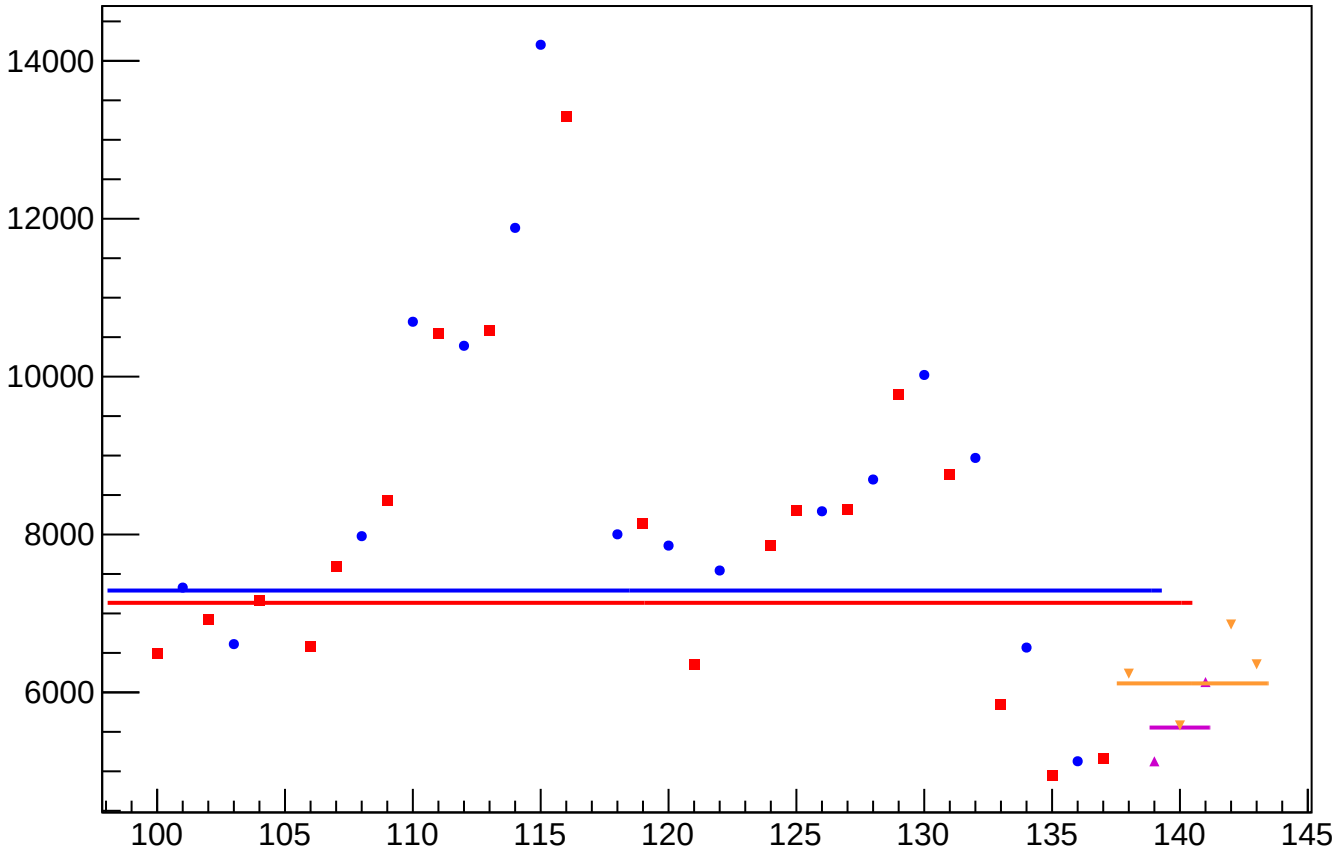
Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 847.828+/-0.202 χ^2/NDF:337063.4/17

Out: 843.688+/-0.187 χ^2/NDF:342631.1/22

All: 845.594+/-0.137 χ^2/NDF: 679921.3/40


diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
105
110
115
120
125
130
135
140
145
Right In: -2.683+/-2.788 χ²/NDF: 10.1/15
Left Out: 3.276+/-3.618 χ²/NDF:3.8/3
Right Out: -5.136+/-2.692 χ²/NDF: 17.3/18
Left In: -4.190+/-4.254 χ²/NDF:0.8/1
Left: 0.143+/-2.756 χ²/NDF: 6.3/5
Right: -3.953+/-1.937 χ²/NDF: 27.7/34
In: -3.136+/-2.332 χ²/NDF:10.9/17
Out: -2.139+/-2.160 χ²/NDF:24.5/22
All: -2.599+/-1.585 χ²/NDF: 35.5/40



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6113.818+/-2.558 χ^2/NDF:28631.6/3

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 5554.404+/-3.008 χ^2/NDF:27243.2/1

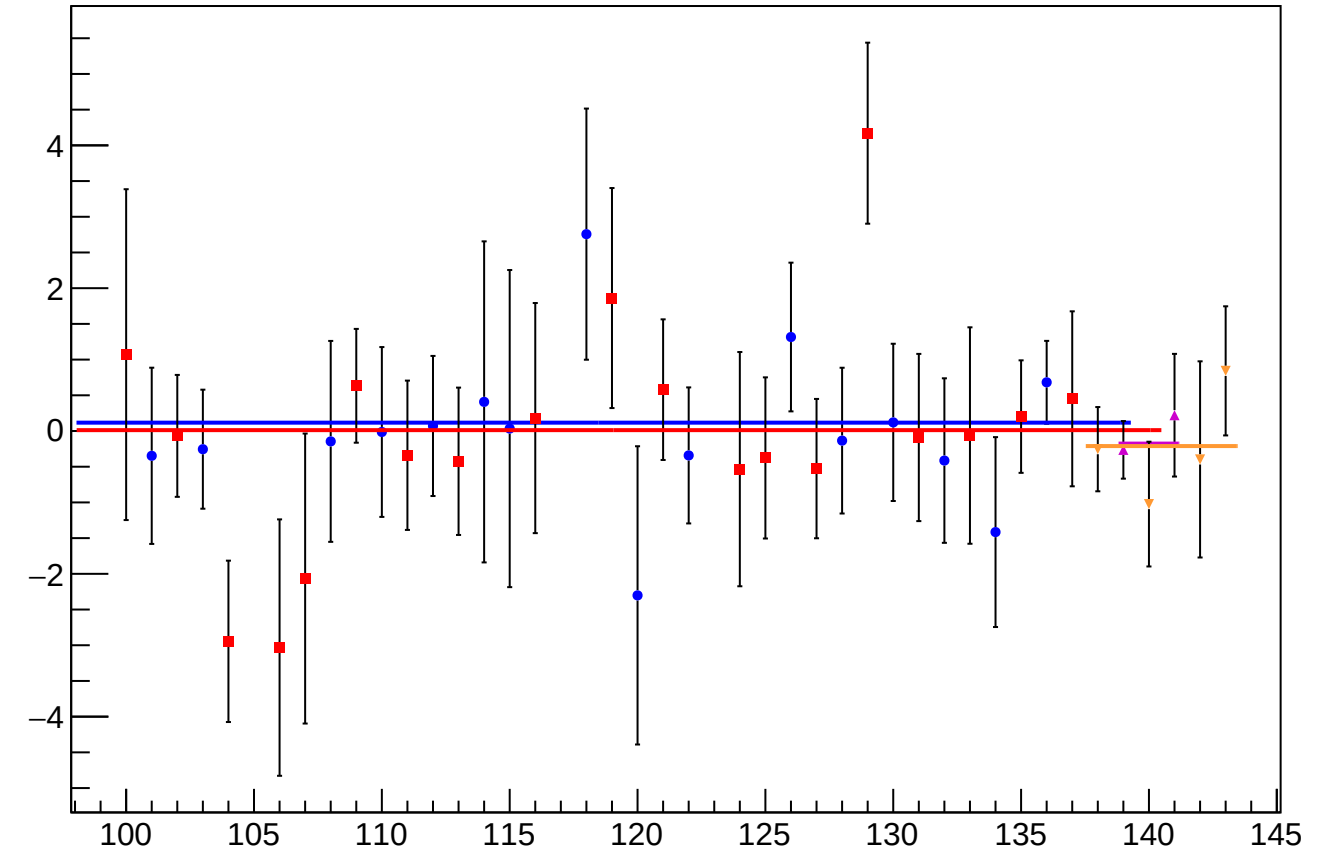
Left: 5879.061+/-1.949 χ^2/NDF: 75943.5/5

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6768.695+/-1.649 χ^2/NDF:1030674.6/17

Out: 6770.706+/-1.527 χ^2/NDF:923868.9/22

All: 6769.777+/-1.120 χ^2/NDF: 1954544.3/40



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.211+/-0.410 χ^2/NDF:2.2/3

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.176+/-0.365 χ^2/NDF:0.3/1

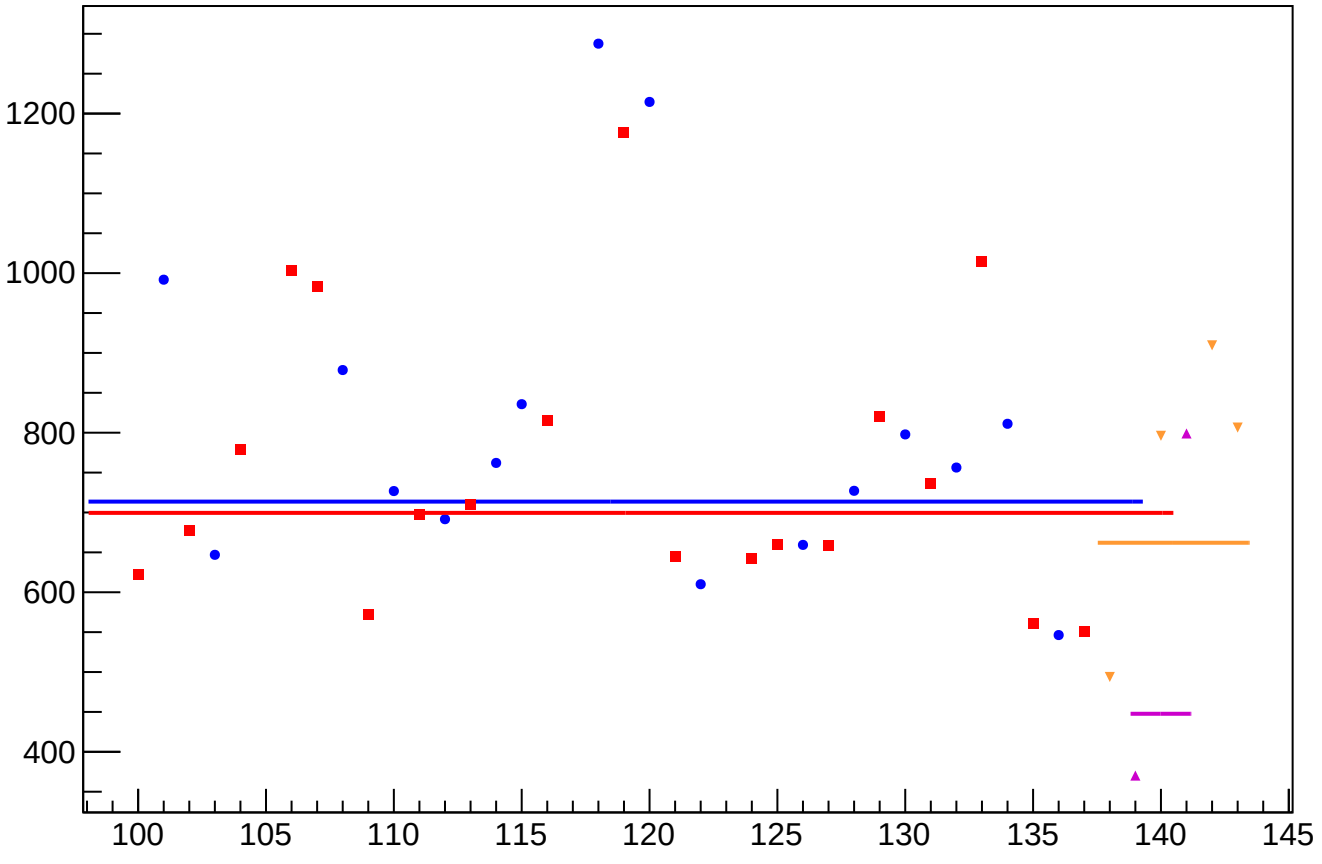
Left: -0.192+/-0.273 χ^2/NDF: 2.5/5

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.012+/-0.219 χ^2/NDF:8.8/17

Out: -0.053+/-0.222 χ^2/NDF:27.6/22

All: -0.020+/-0.156 χ^2/NDF: 36.5/40



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 662.059+/-0.290 χ^2/NDF:325665.7/3

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 447.682+/-0.258 χ^2/NDF:408474.3/1

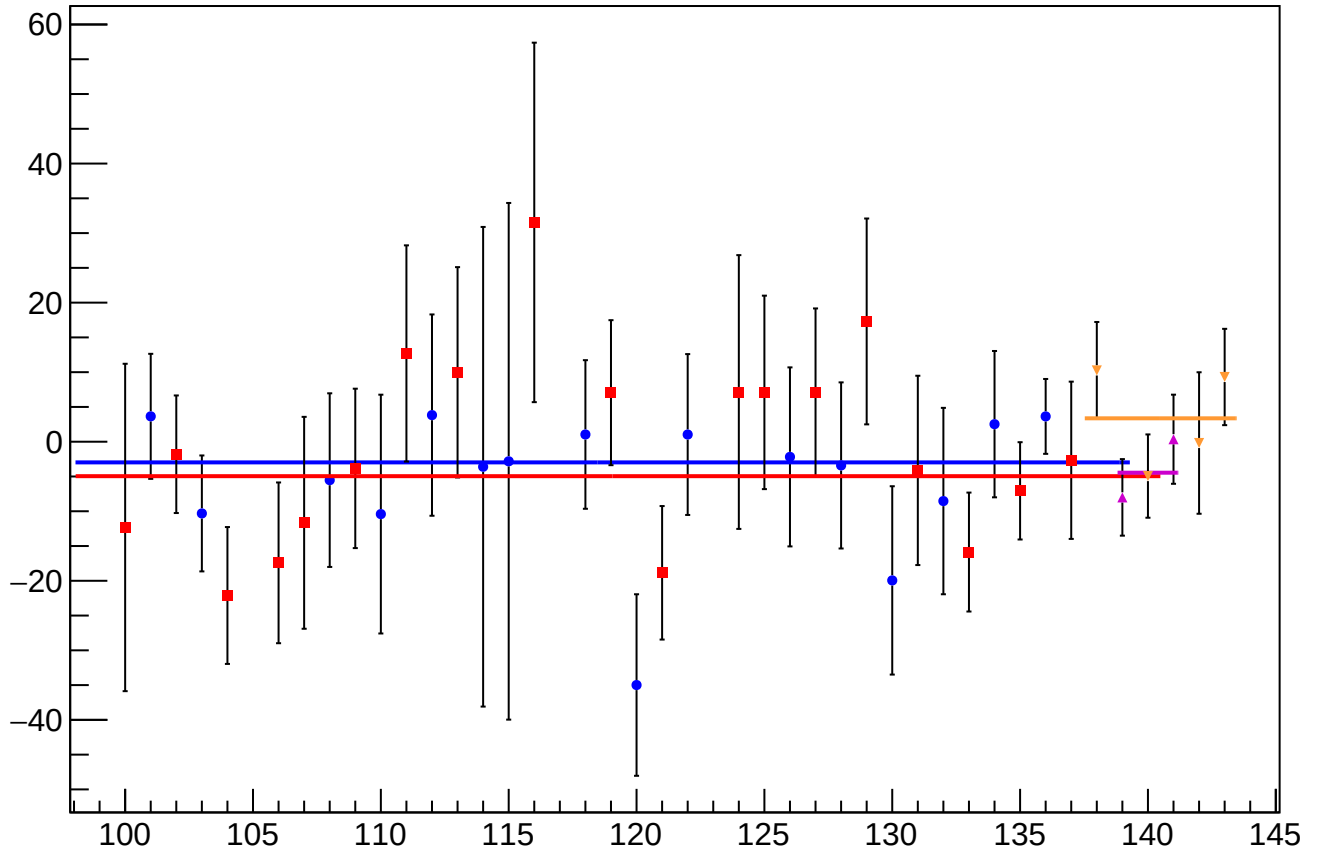
Left: 542.375+/-0.193 χ^2/NDF: 1038834.1/5

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 618.161+/-0.155 χ^2/NDF:1788282.2/17

Out: 688.589+/-0.157 χ^2/NDF:913222.7/22

All: 652.920+/-0.110 χ^2/NDF: 2803862.4/40



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.364+/-3.558 χ^2/NDF:3.8/3

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -4.456+/-4.176 χ^2/NDF:1.0/1

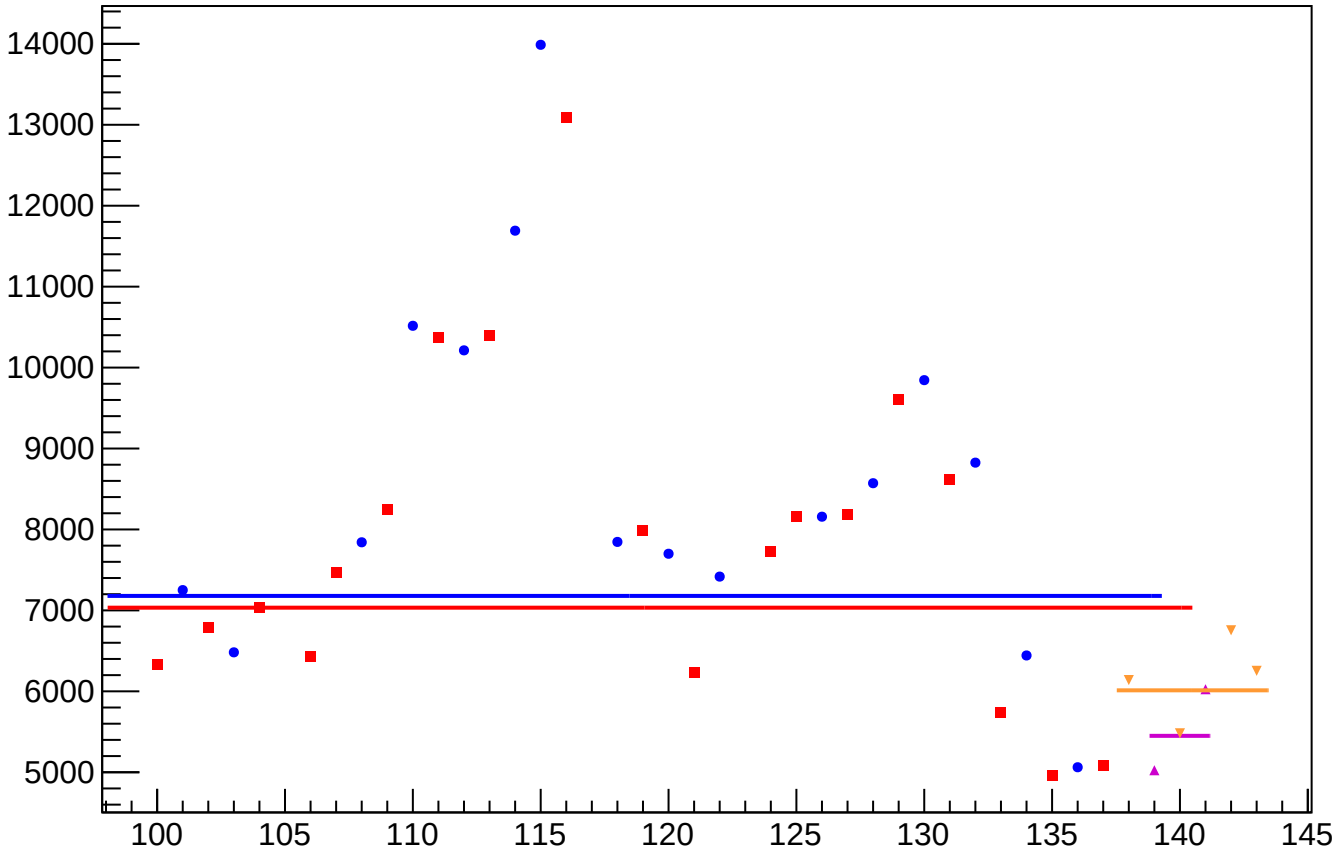
Left: 0.074+/-2.708 χ^2/NDF: 6.8/5

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -3.421+/-2.294 χ^2/NDF:12.6/17

Out: -1.983+/-2.127 χ^2/NDF:25.7/22

All: -2.647+/-1.560 χ^2/NDF: 38.6/40



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6012.291+/-2.516 χ^2/NDF:29439.3/3

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 5449.987+/-2.953 χ^2/NDF:28074.6/1

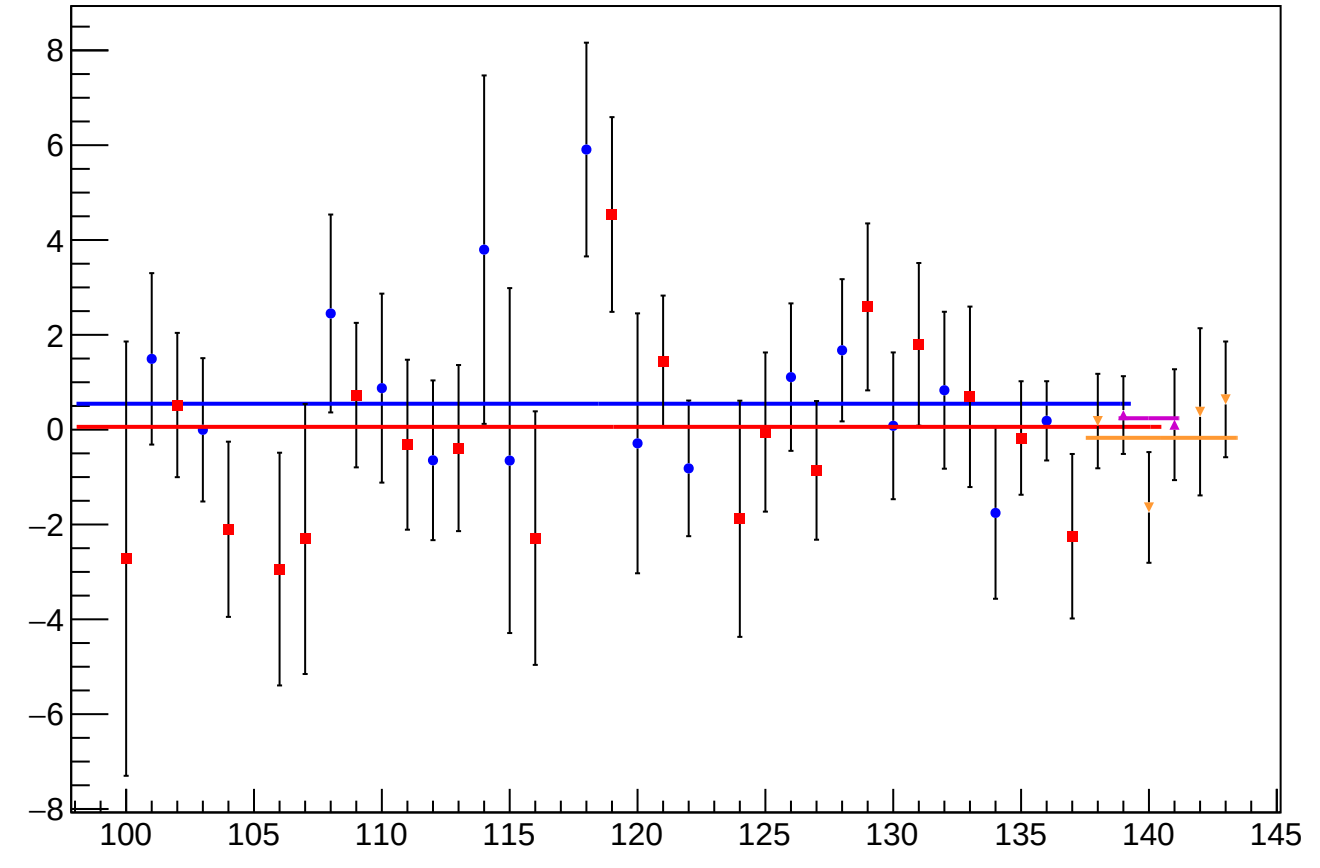
Left: 5775.753+/-1.915 χ^2/NDF: 78526.0/5

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6656.930+/-1.622 χ^2/NDF:1029375.0/17

Out: 6668.602+/-1.504 χ^2/NDF:901714.8/22

All: 6663.207+/-1.103 χ^2/NDF: 1931117.6/40



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.172+/-0.605 χ^2/NDF:2.2/3

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.241+/-0.671 χ^2/NDF:0.0/1

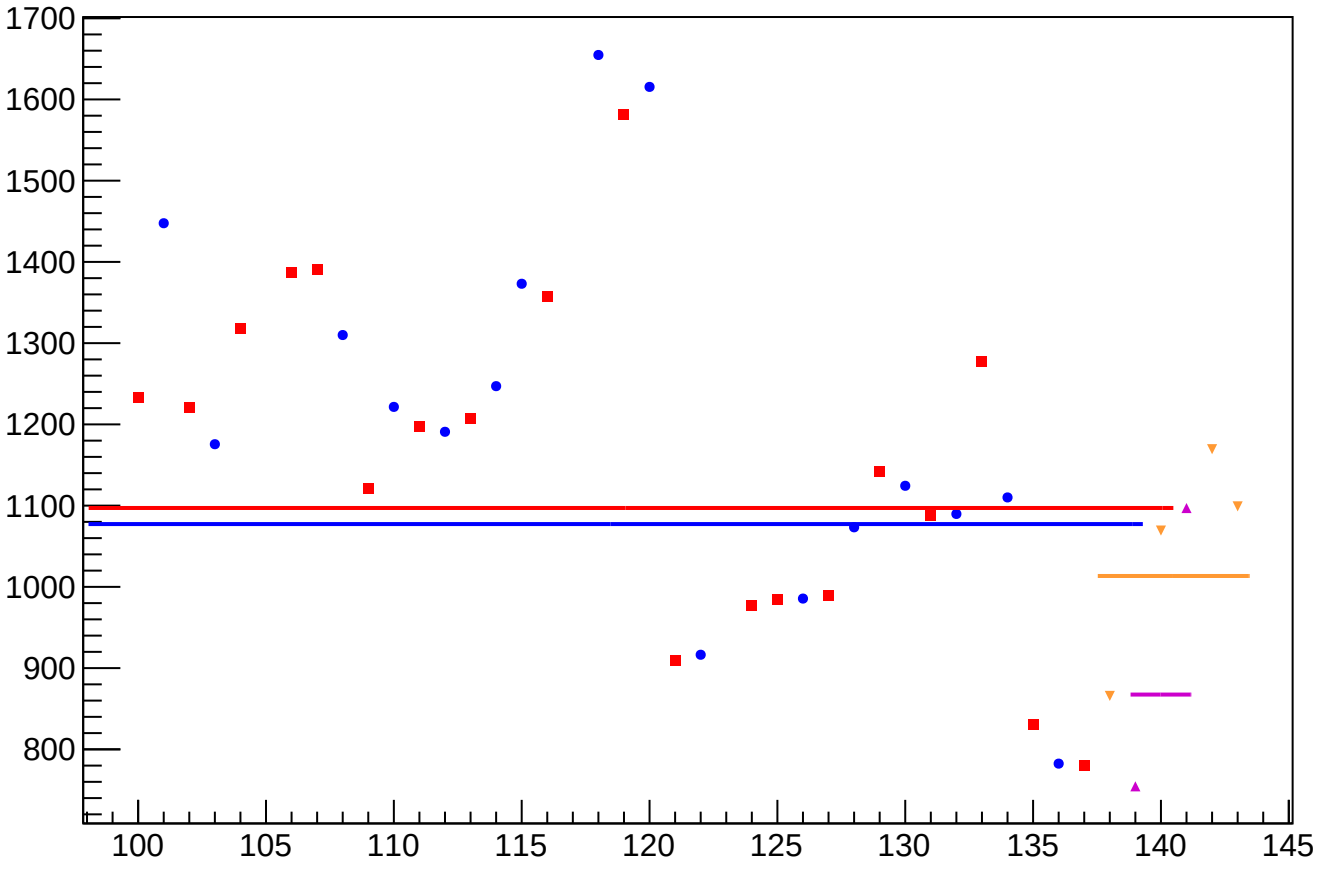
Left: 0.013+/-0.449 χ^2/NDF: 2.5/5

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.464+/-0.350 χ^2/NDF:12.1/17

Out: -0.013+/-0.339 χ^2/NDF:19.2/22

All: 0.217+/-0.244 χ^2/NDF: 32.3/40



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1013.401+/-0.428 χ^2/NDF:74016.7/3

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 867.432+/-0.475 χ^2/NDF:115075.0/1

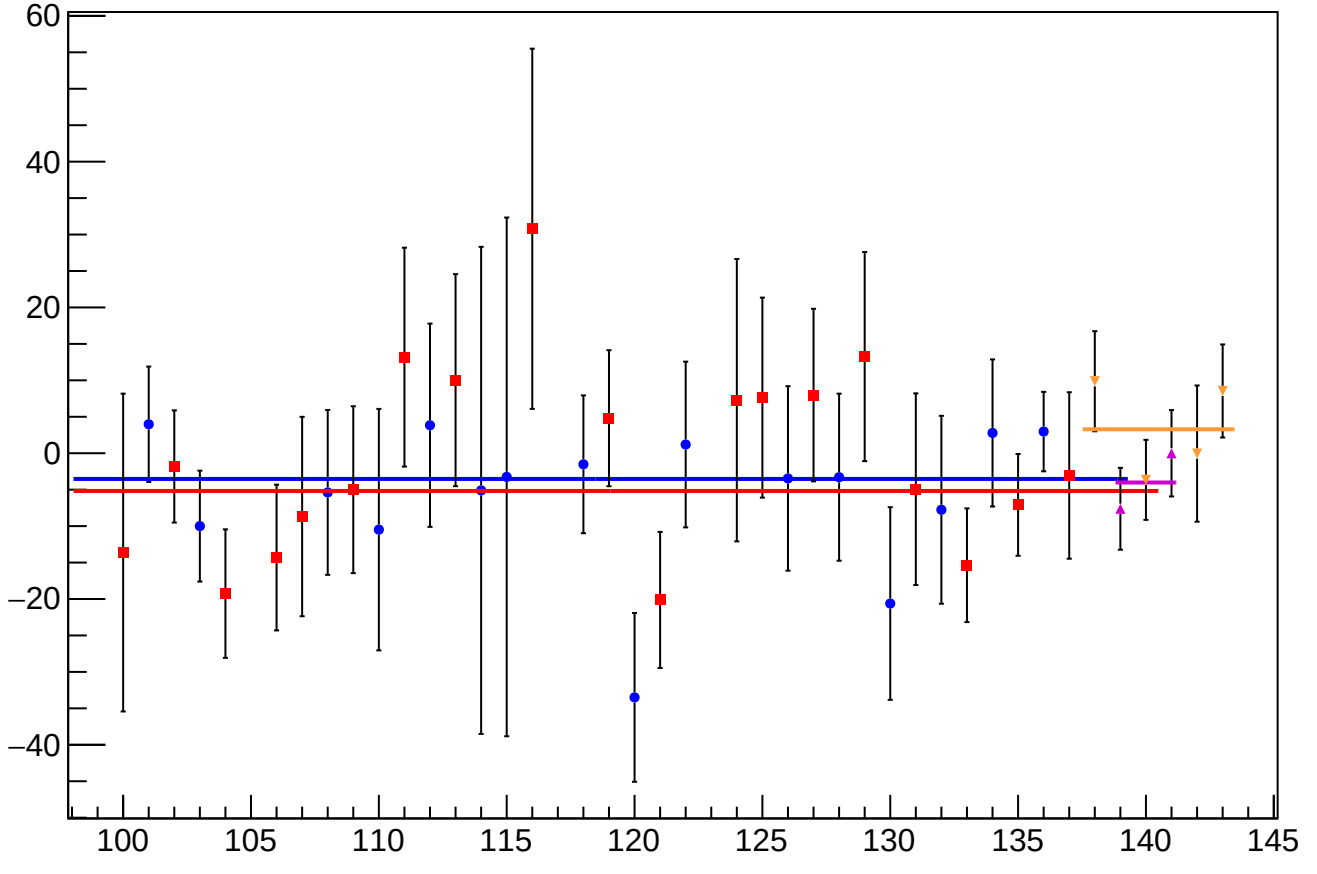
Left: 948.016+/-0.318 χ^2/NDF: 241285.1/5

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1020.118+/-0.248 χ^2/NDF:903784.8/17

Out: 1070.850+/-0.240 χ^2/NDF:584685.2/22

All: 1046.349+/-0.172 χ^2/NDF: 1510139.9/40



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.286+/-3.326 χ^2/NDF:3.3/3

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -4.018+/-4.076 χ^2/NDF:0.9/1

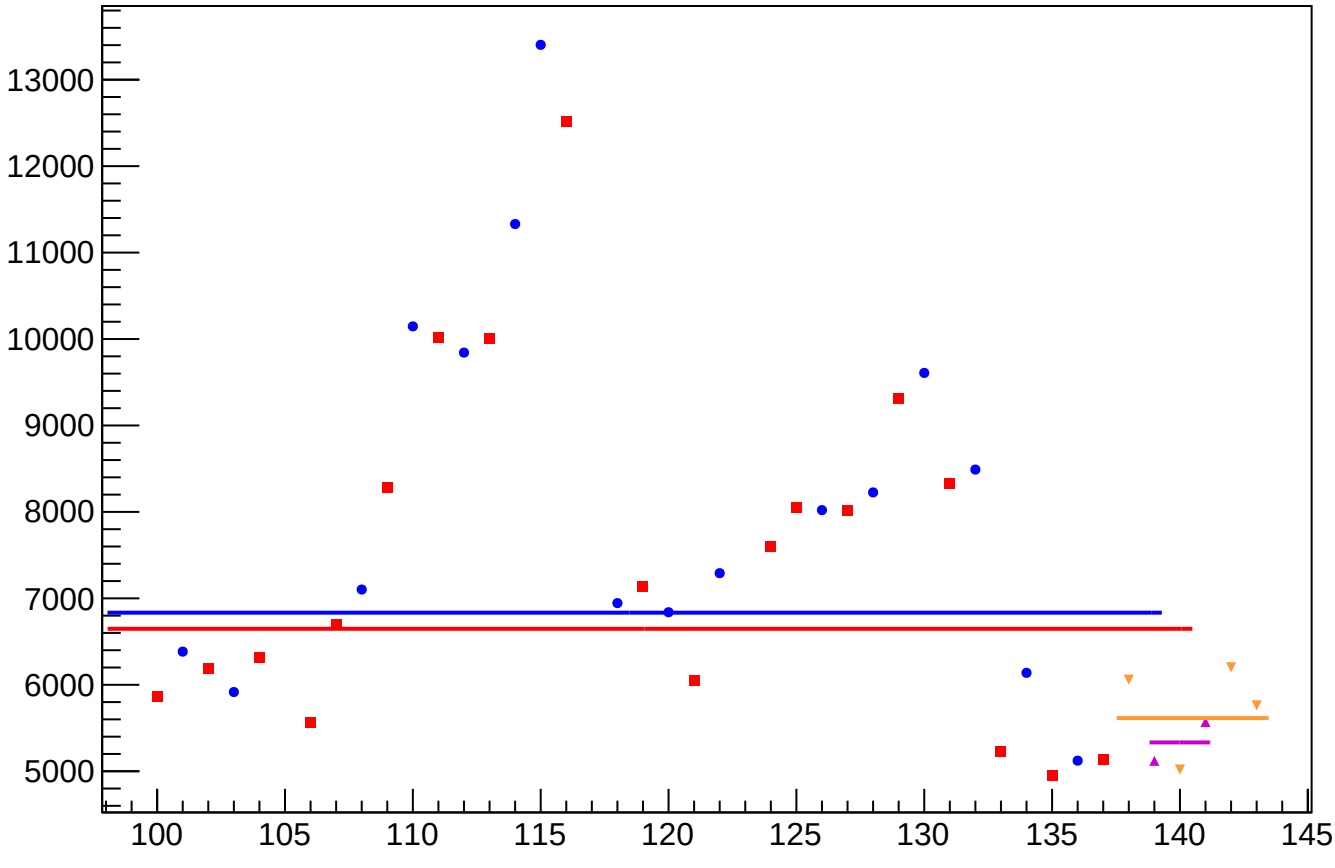
Left: 0.366+/-2.577 χ^2/NDF: 6.1/5

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.670+/-2.197 χ^2/NDF:13.5/17

Out: -2.109+/-2.002 χ^2/NDF:25.6/22

All: -2.817+/-1.480 χ^2/NDF: 39.4/40



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5614.918+/-2.352 χ^2/NDF:40856.1/3

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5333.381+/-2.882 χ^2/NDF:6049.9/1

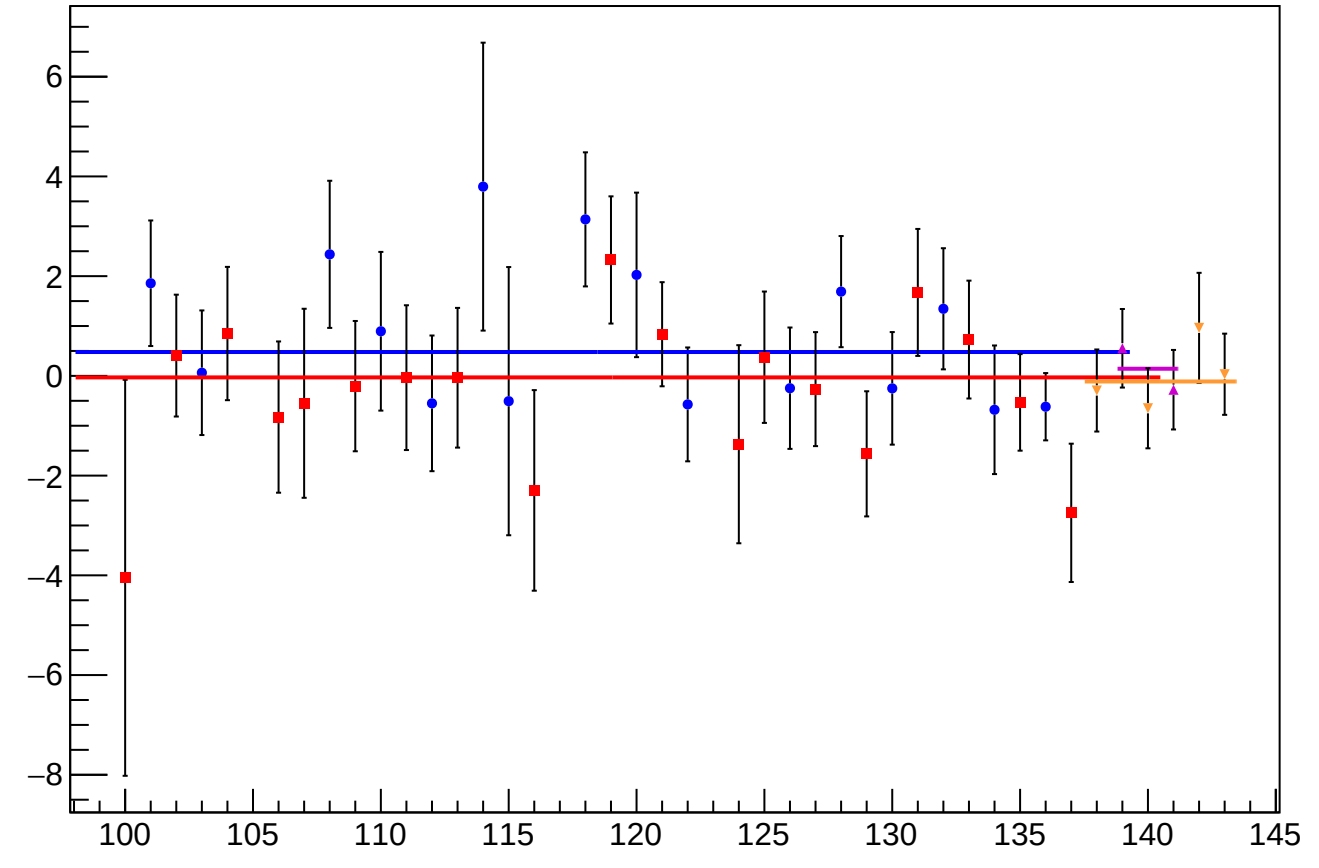
Left: 5502.372+/-1.822 χ^2/NDF: 52634.5/5

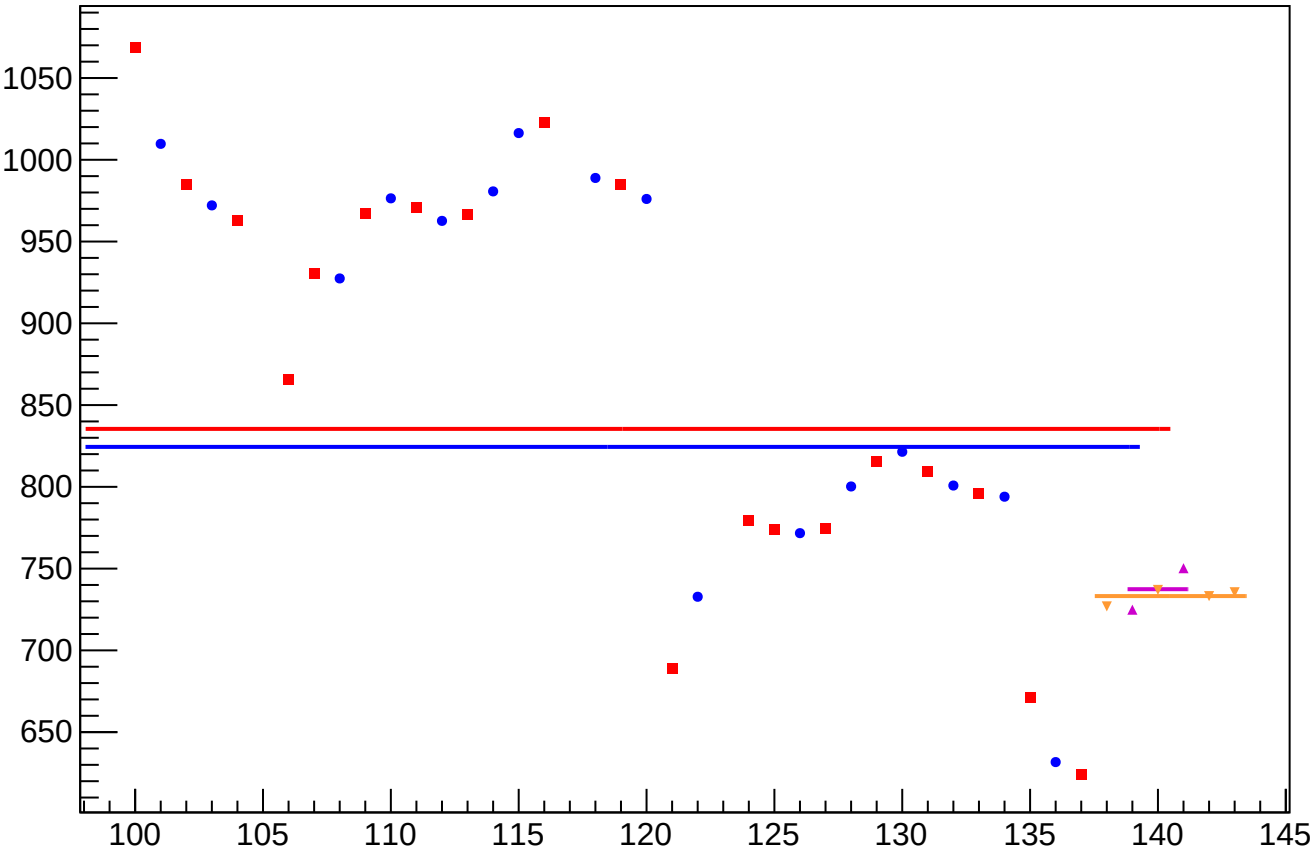
Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6398.254+/-1.553 χ^2/NDF:891220.2/17

Out: 6273.527+/-1.416 χ^2/NDF:948968.3/22

All: 6330.130+/-1.046 χ^2/NDF: 1843709.7/40


diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
105
110
115
120
125
130
135
140
145
Right In: 0.479+/-0.311 χ²/NDF: 16.7/15
Left Out: -0.112+/-0.432 χ²/NDF:1.5/3
Right Out: -0.030+/-0.309 χ²/NDF: 15.7/18
Left In: 0.143+/-0.560 χ²/NDF:0.5/1
Left: -0.017+/-0.342 χ²/NDF: 2.2/5
Right: 0.222+/-0.219 χ²/NDF: 33.8/34
In: 0.400+/-0.272 χ²/NDF:17.5/17
Out: -0.058+/-0.251 χ²/NDF:17.2/22
All: 0.153+/-0.184 χ²/NDF: 36.3/40



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 733.201+/-0.306 χ^2/NDF:178.2/3

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 737.412+/-0.396 χ^2/NDF:1023.6/1

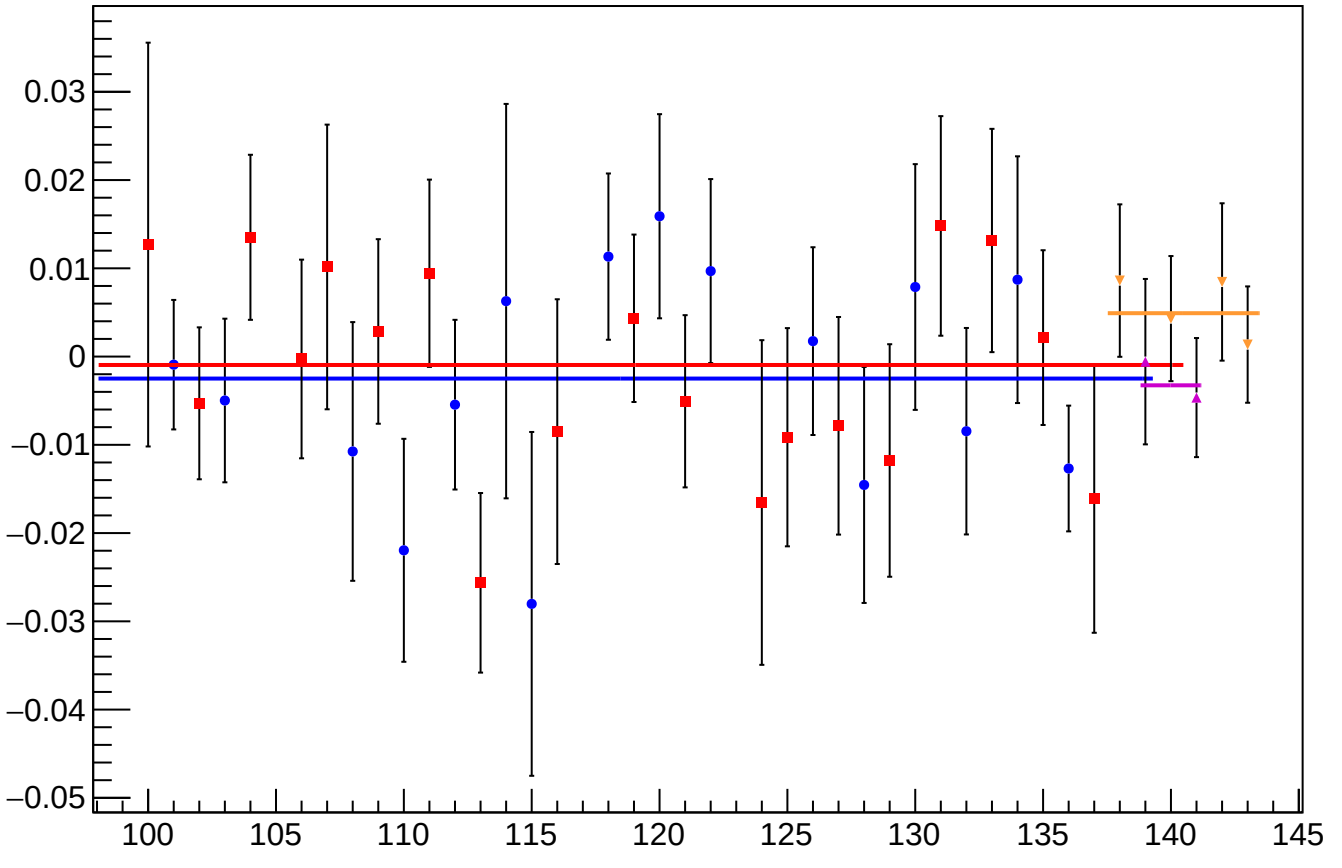
Left: 734.771+/-0.242 χ^2/NDF: 1272.6/5

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 803.965+/-0.192 χ^2/NDF:403360.2/17

Out: 800.907+/-0.178 χ^2/NDF:393645.7/22

All: 802.315+/-0.130 χ^2/NDF: 797142.5/40



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.004 χ^2/NDF:0.6/3

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: 0.002+/-0.003 χ^2/NDF: 2.3/5

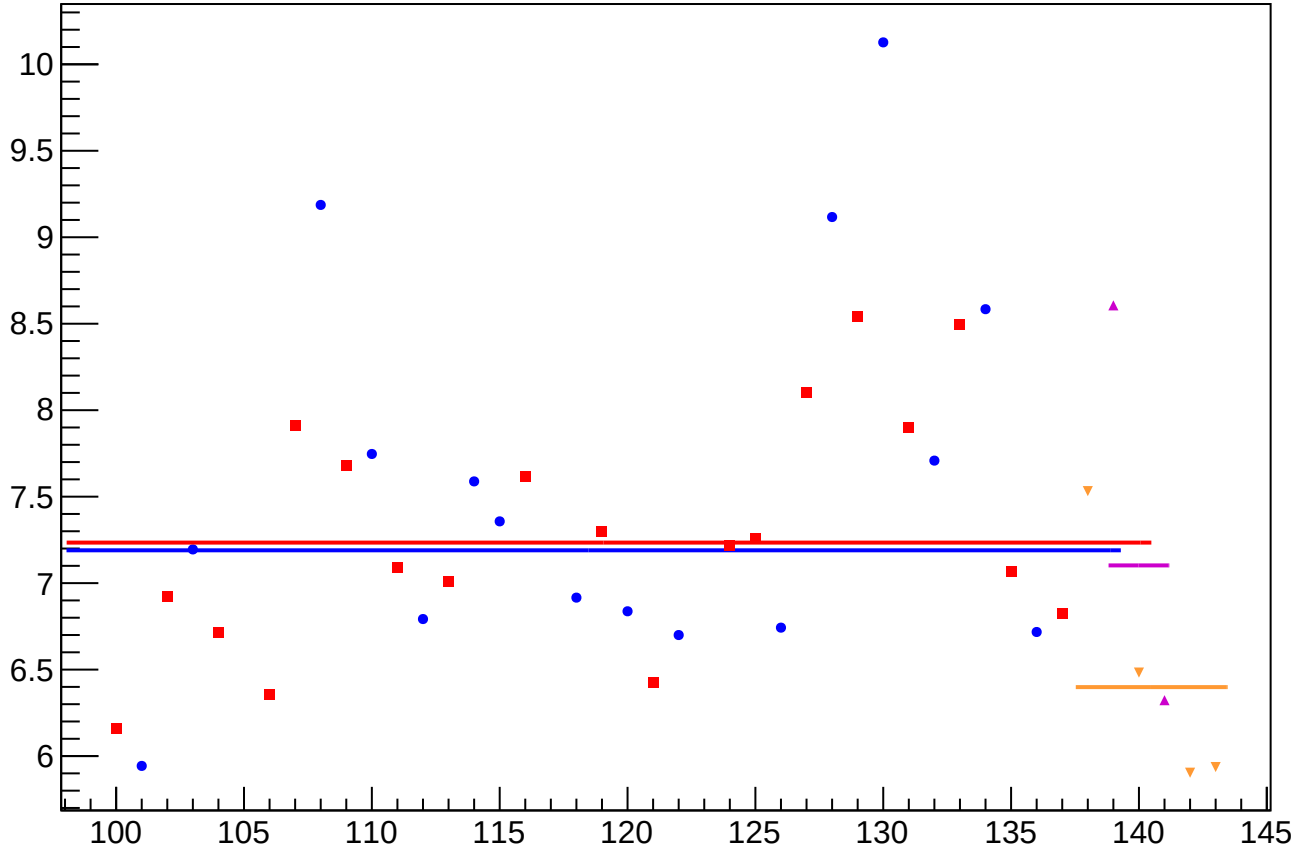
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.003+/-0.002 χ^2/NDF:15.4/17

Out: 0.001+/-0.002 χ^2/NDF:19.5/22

All: -0.001+/-0.002 χ^2/NDF: 36.2/40

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.399+/-0.003 χ^2/NDF:50707.5/3

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.102+/-0.004 χ^2/NDF:78168.4/1

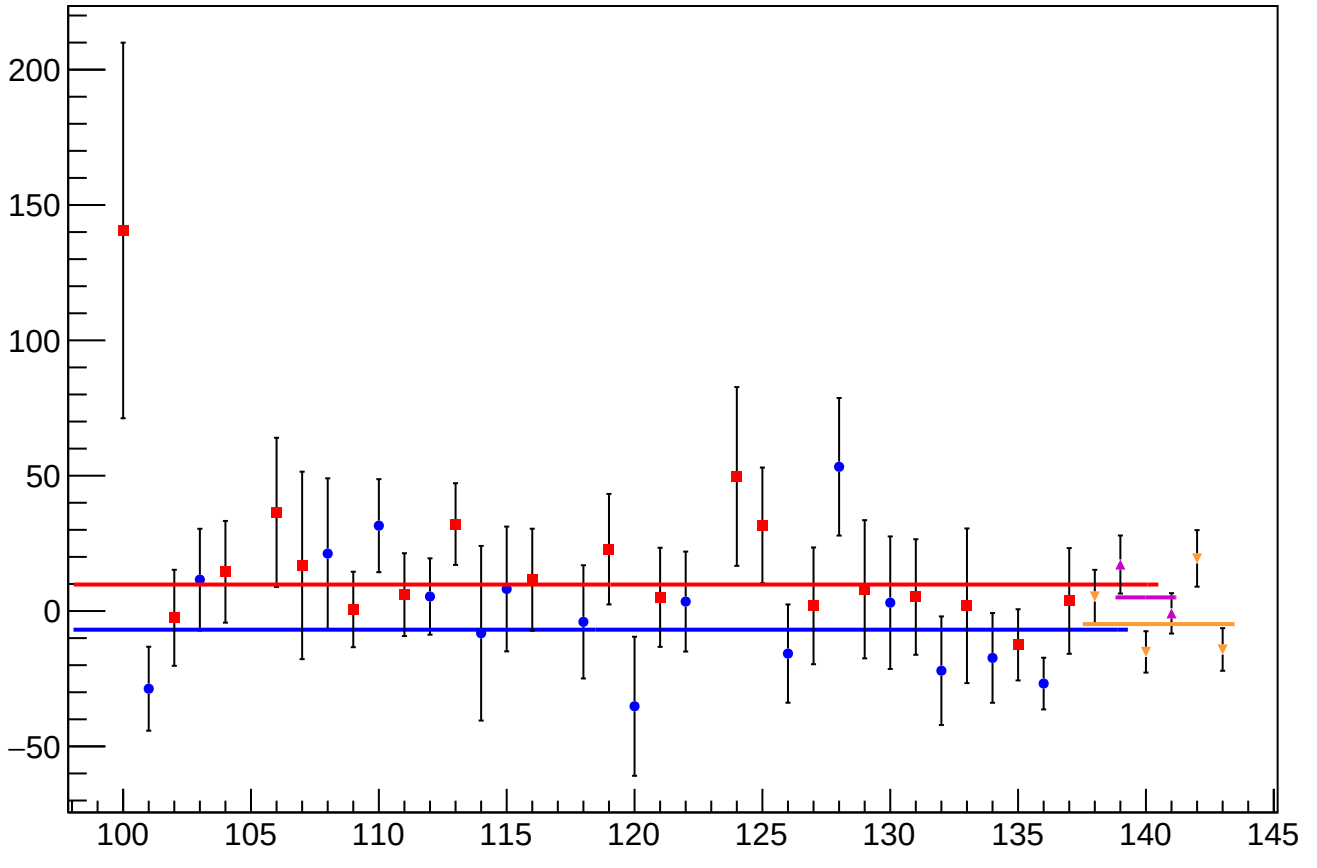
Left: 6.628+/-0.002 χ^2/NDF: 151135.5/5

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.173+/-0.002 χ^2/NDF:356216.5/17

Out: 6.961+/-0.002 χ^2/NDF:221682.3/22

All: 7.055+/-0.001 χ^2/NDF: 586335.5/40



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -4.821+/-4.351 χ^2/NDF:9.7/3

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 5.036+/-6.125 χ^2/NDF:1.9/1

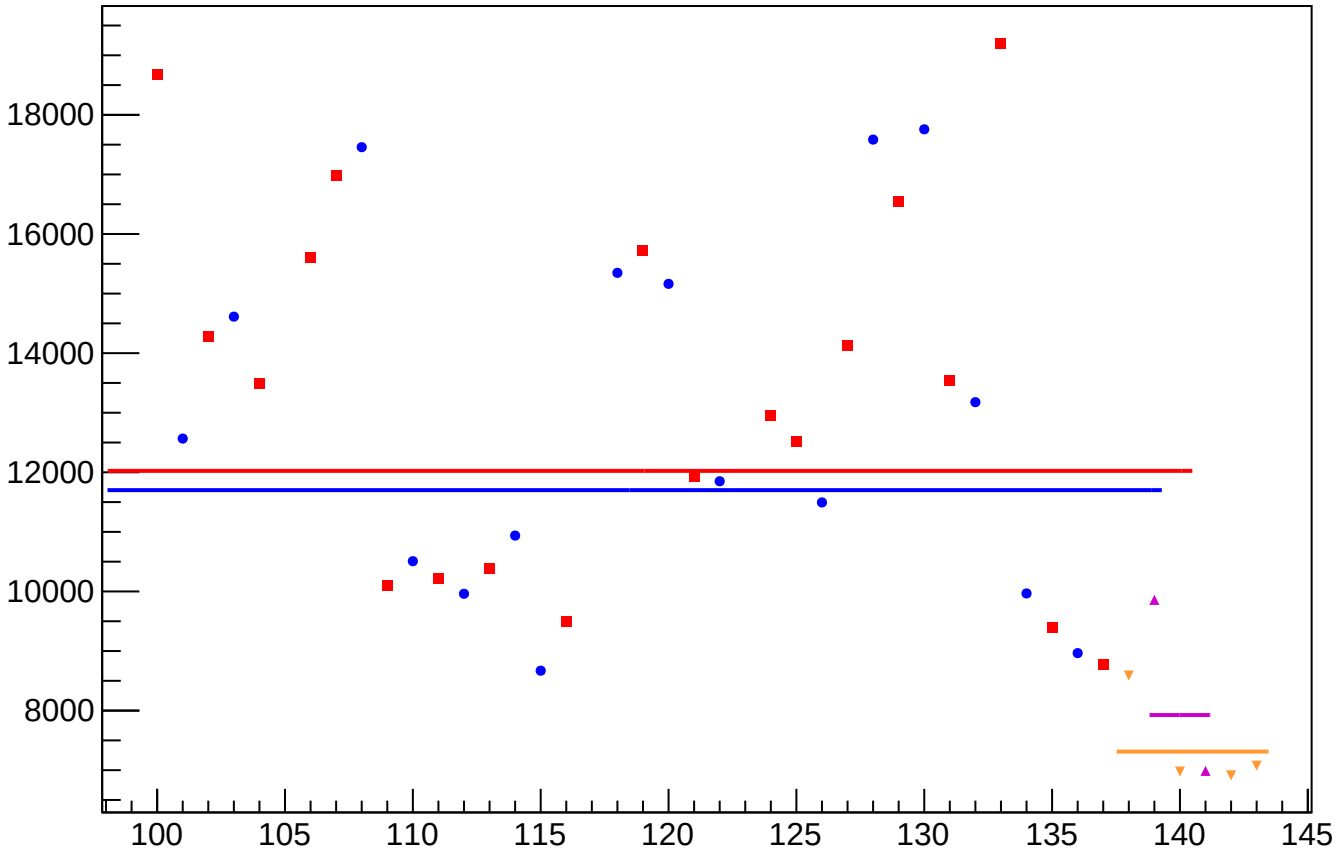
Left: -1.515+/-3.547 χ^2/NDF: 13.3/5

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.724+/-3.620 χ^2/NDF:27.4/17

Out: 2.211+/-3.134 χ^2/NDF:29.1/22

All: 0.097+/-2.369 χ^2/NDF: 57.6/40



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7311.725+/-3.077 χ^2/NDF:42291.0/3

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 7925.608+/-4.331 χ^2/NDF:96592.8/1

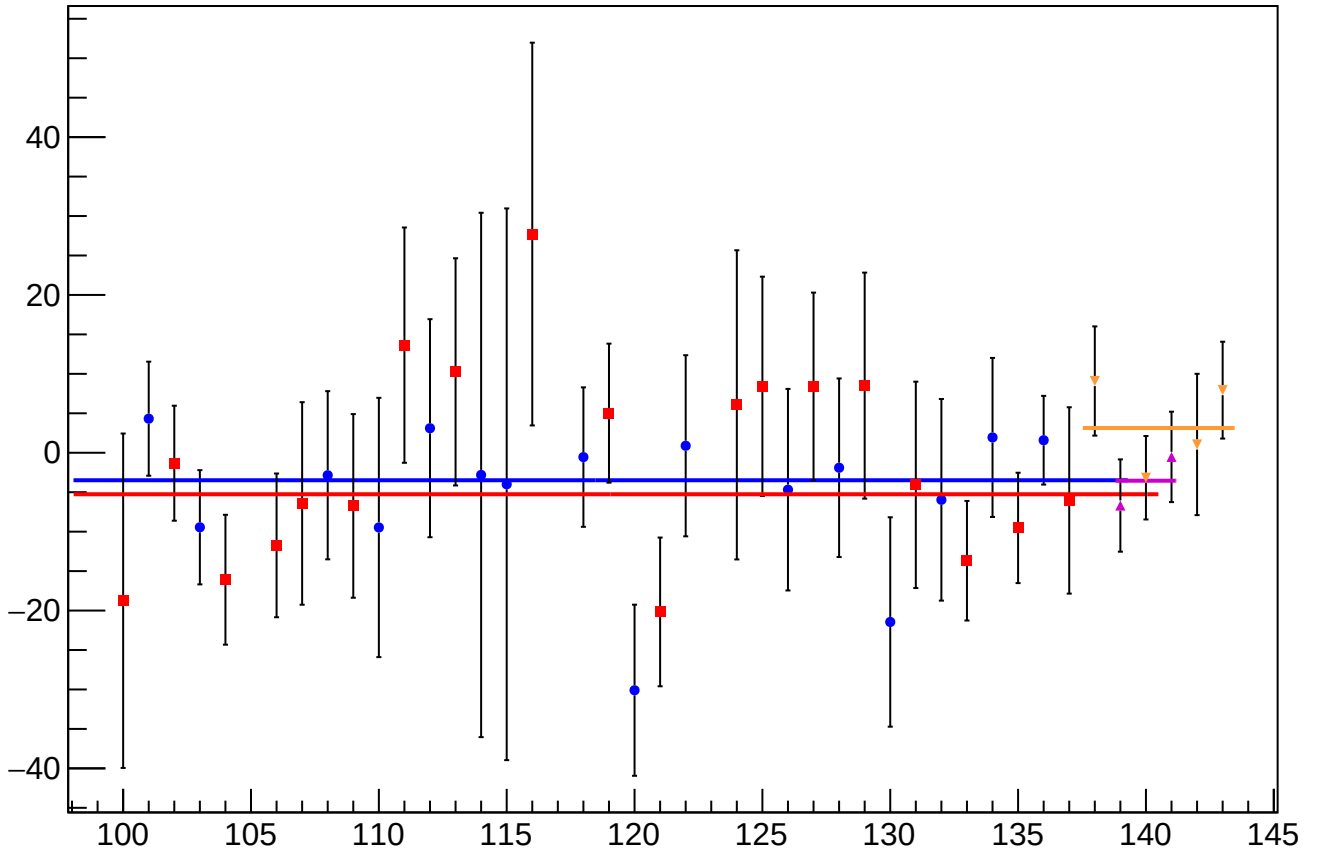
Left: 7517.630+/-2.508 χ^2/NDF: 152235.8/5

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 10381.715+/-2.560 χ^2/NDF:1331078.1/17

Out: 9579.777+/-2.216 χ^2/NDF:1856101.3/22

All: 9923.287+/-1.675 χ^2/NDF: 3243276.6/40



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.137+/-3.233 χ^2/NDF:2.8/3

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -3.544+/-4.093 χ^2/NDF:0.6/1

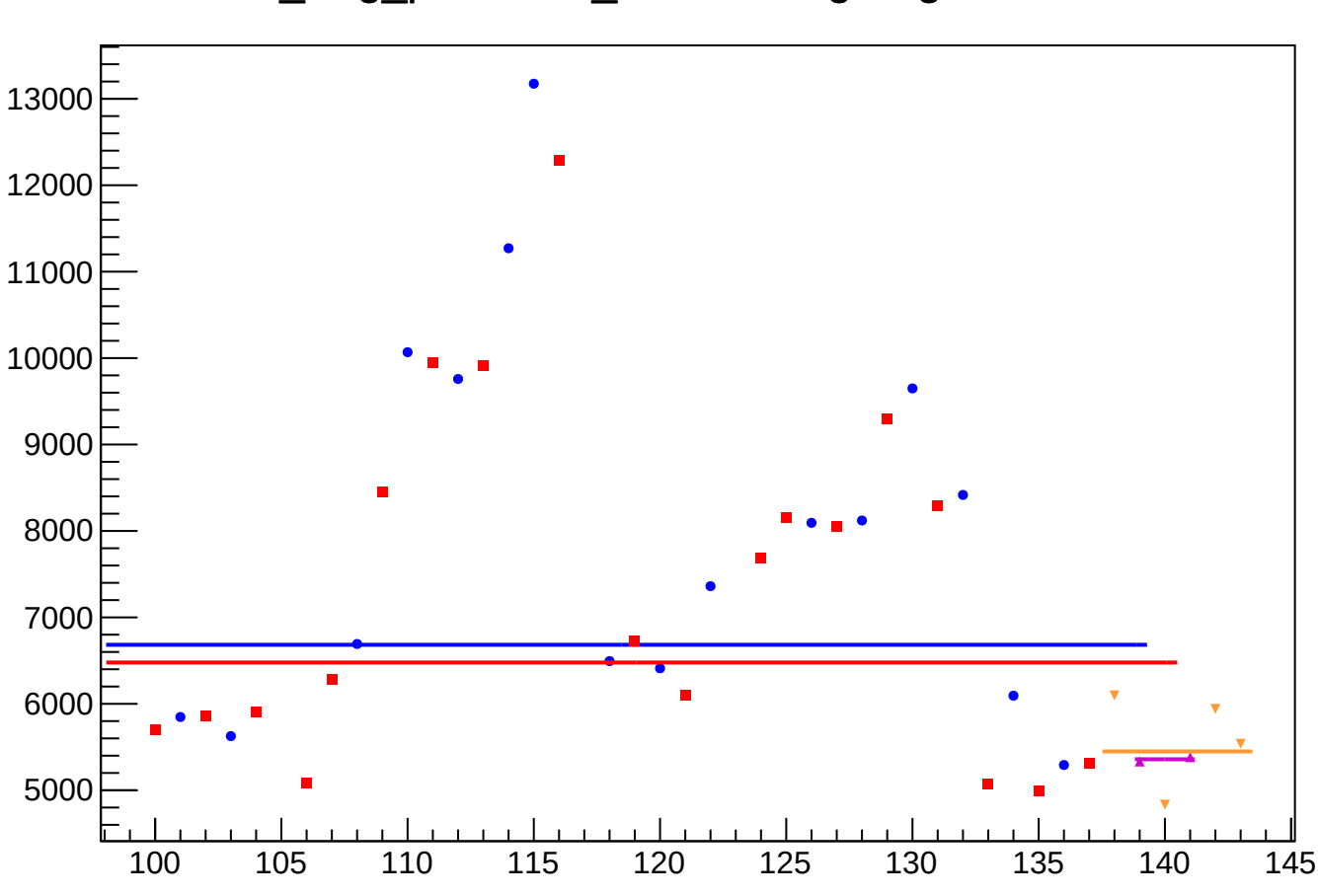
Left: 0.570+/-2.537 χ^2/NDF: 5.0/5

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.502+/-2.164 χ^2/NDF:12.1/17

Out: -2.202+/-1.951 χ^2/NDF:23.7/22

All: -2.785+/-1.449 χ^2/NDF: 36.0/40



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5448.866+/-2.286 χ^2/NDF:51179.3/3

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5358.390+/-2.894 χ^2/NDF:75.7/1

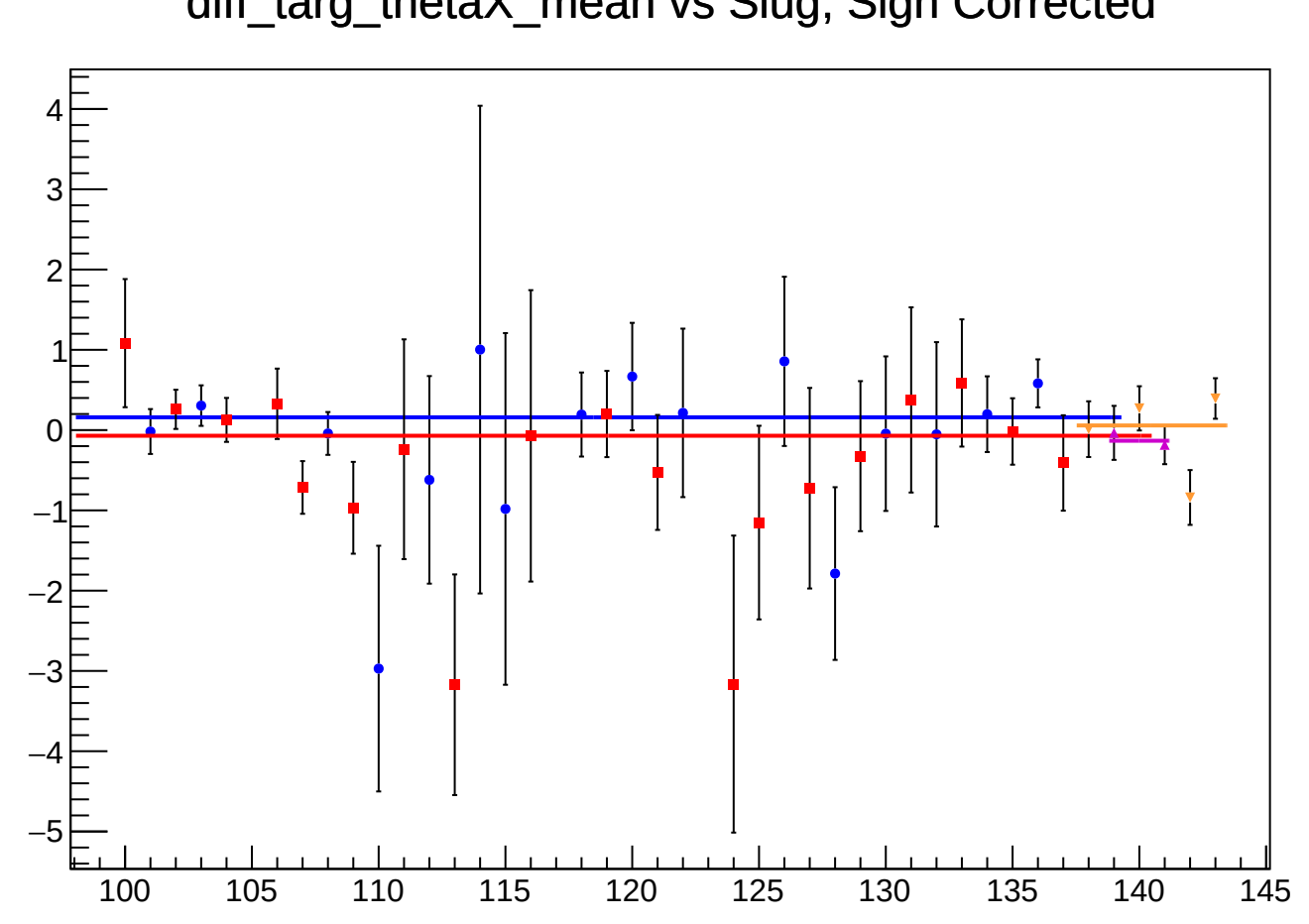
Left: 5414.101+/-1.794 χ^2/NDF: 51856.9/5

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6312.656+/-1.530 χ^2/NDF:843196.7/17

Out: 6103.392+/-1.379 χ^2/NDF:1019304.9/22

All: 6197.208+/-1.025 χ^2/NDF: 1872819.0/40



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.058+/-0.148 χ^2/NDF:9.3/3

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: -0.011+/-0.118 χ^2/NDF: 10.0/5

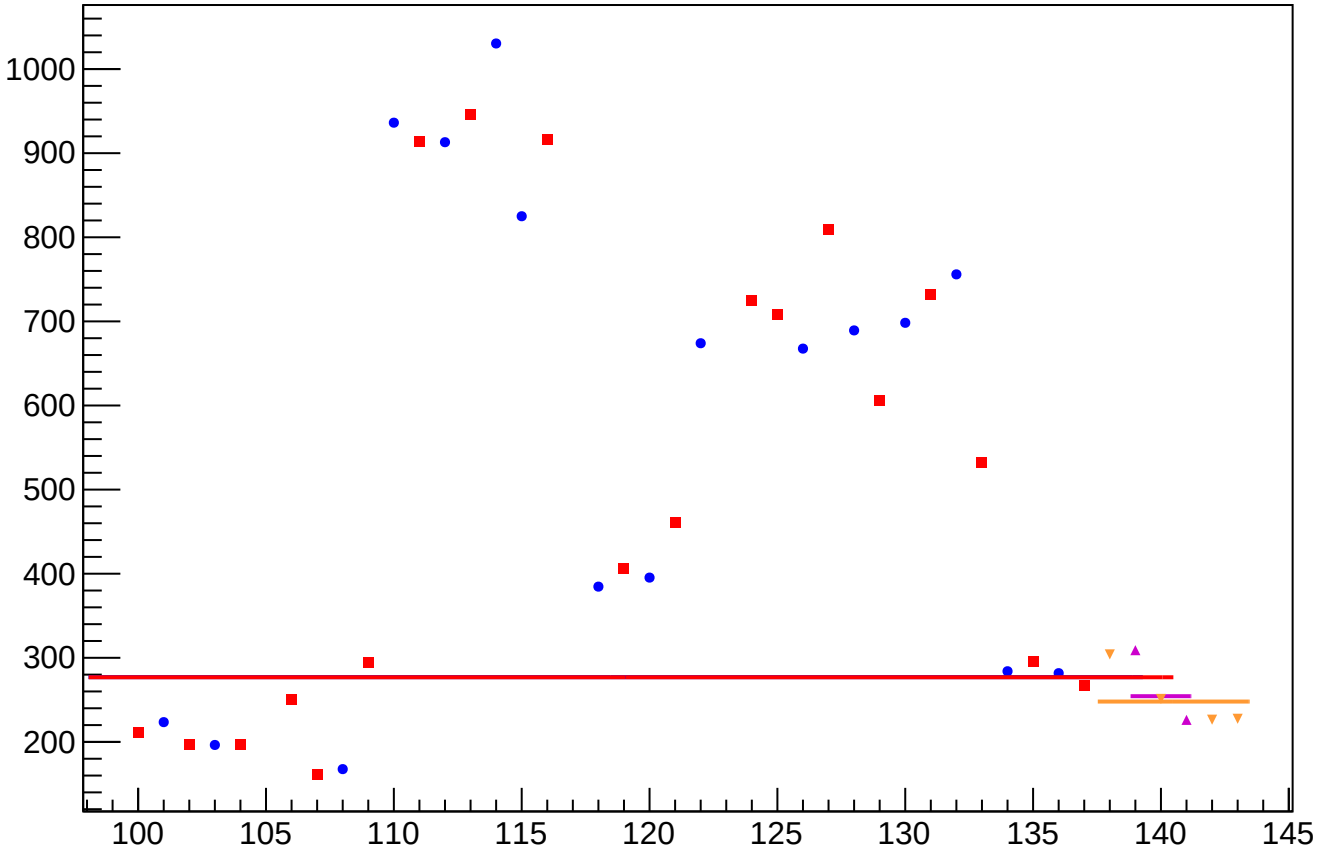
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.080+/-0.102 χ^2/NDF:14.3/17

Out: -0.020+/-0.093 χ^2/NDF:32.2/22

All: 0.026+/-0.069 χ^2/NDF: 47.1/40

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 247.984+/-0.105 χ^2/NDF:73566.6/3

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: 250.298+/-0.083 χ^2/NDF: 155032.7/5

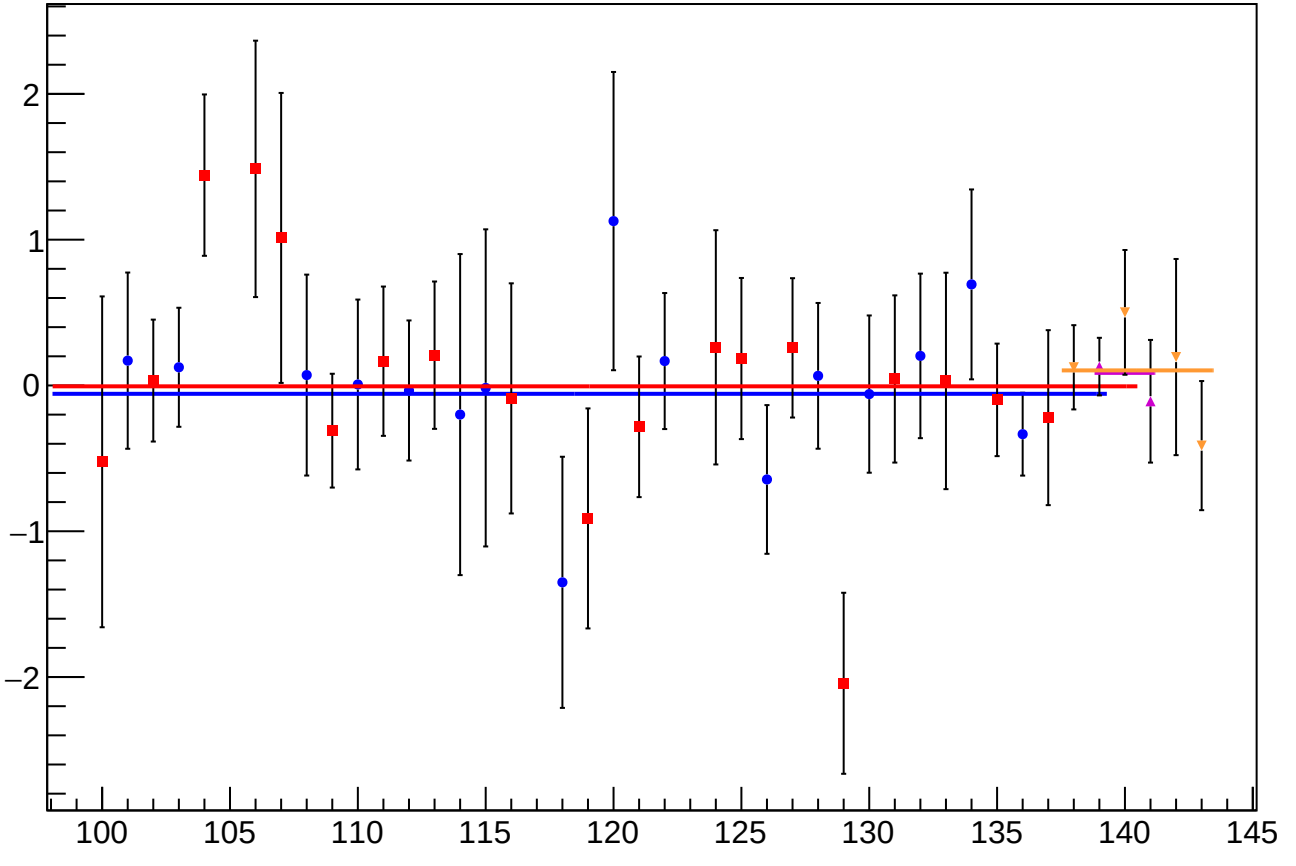
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 270.875+/-0.072 χ^2/NDF:3550109.4/17

Out: 265.431+/-0.066 χ^2/NDF:3691288.4/22

All: 267.901+/-0.049 χ^2/NDF: 7244504.6/40

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.103+/-0.201 χ^2/NDF:2.2/3

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: 0.094+/-0.134 χ^2/NDF: 2.5/5

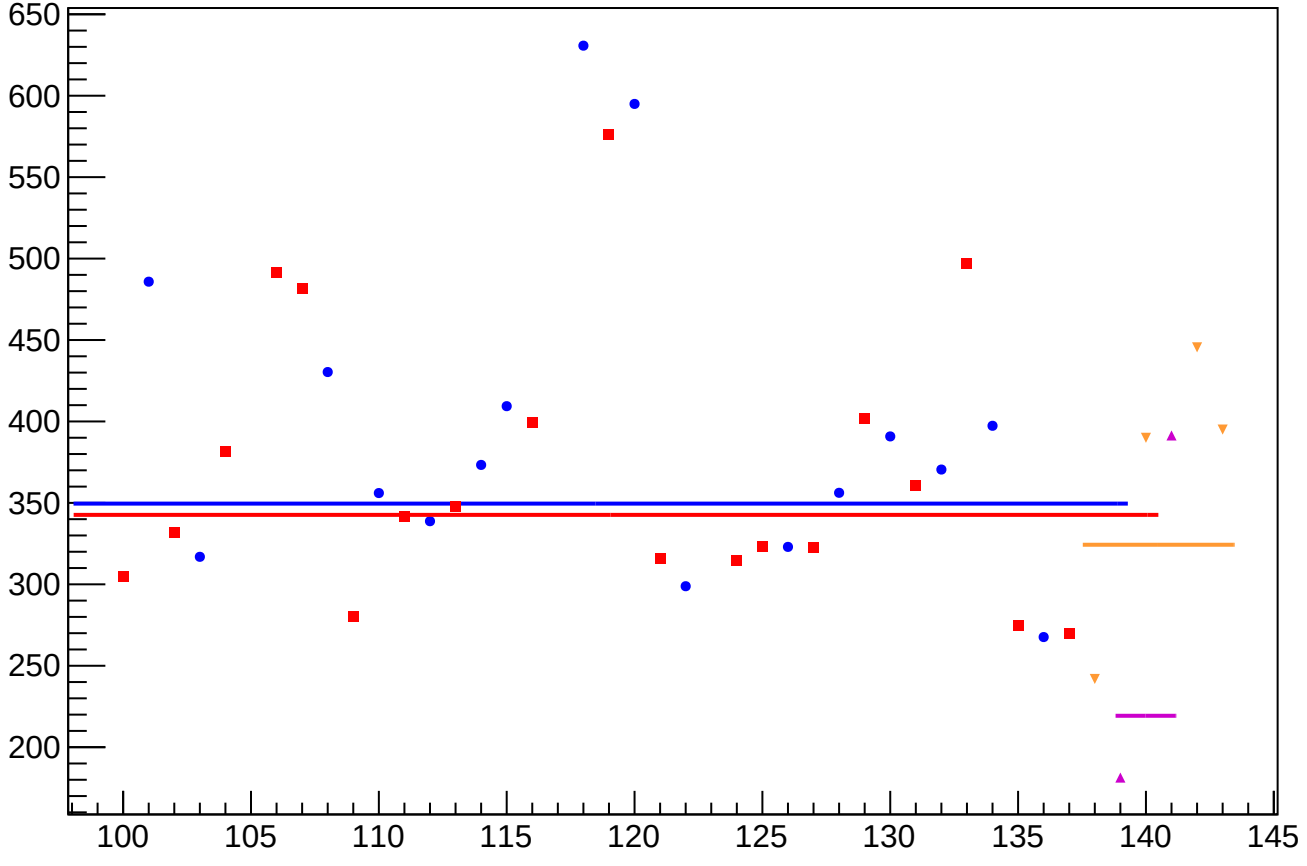
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.006+/-0.107 χ^2/NDF:8.8/17

Out: 0.026+/-0.109 χ^2/NDF:27.6/22

All: 0.010+/-0.076 χ^2/NDF: 36.5/40

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 324.300+/-0.142 χ^2/NDF:325665.7/3

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 219.291+/-0.126 χ^2/NDF:408474.3/1

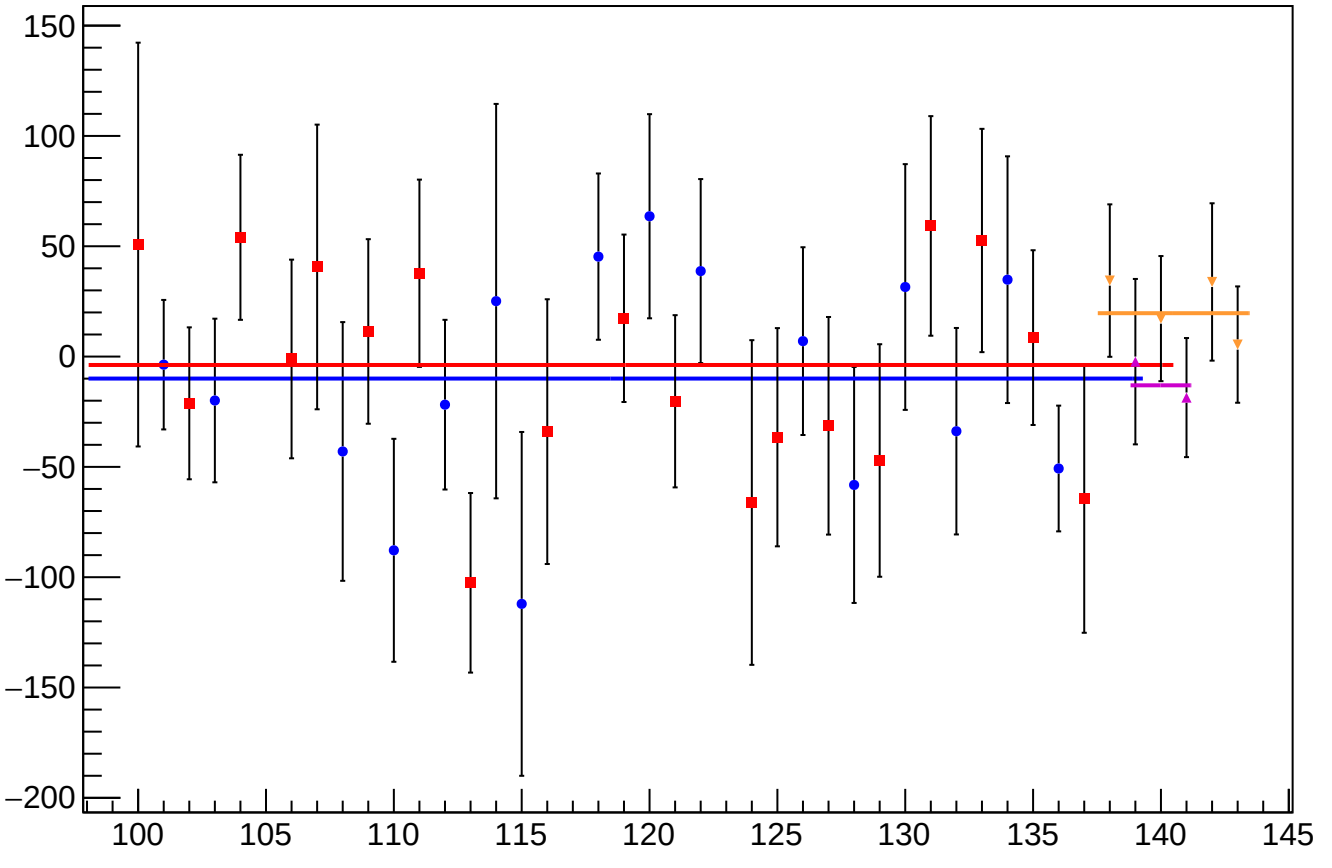
Left: 265.675+/-0.094 χ^2/NDF: 1038834.1/5

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 302.797+/-0.076 χ^2/NDF:1788282.2/17

Out: 337.296+/-0.077 χ^2/NDF:913222.7/22

All: 319.823+/-0.054 χ^2/NDF: 2803862.4/40



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -13.031+/-21.903 χ^2/NDF:0.1/1

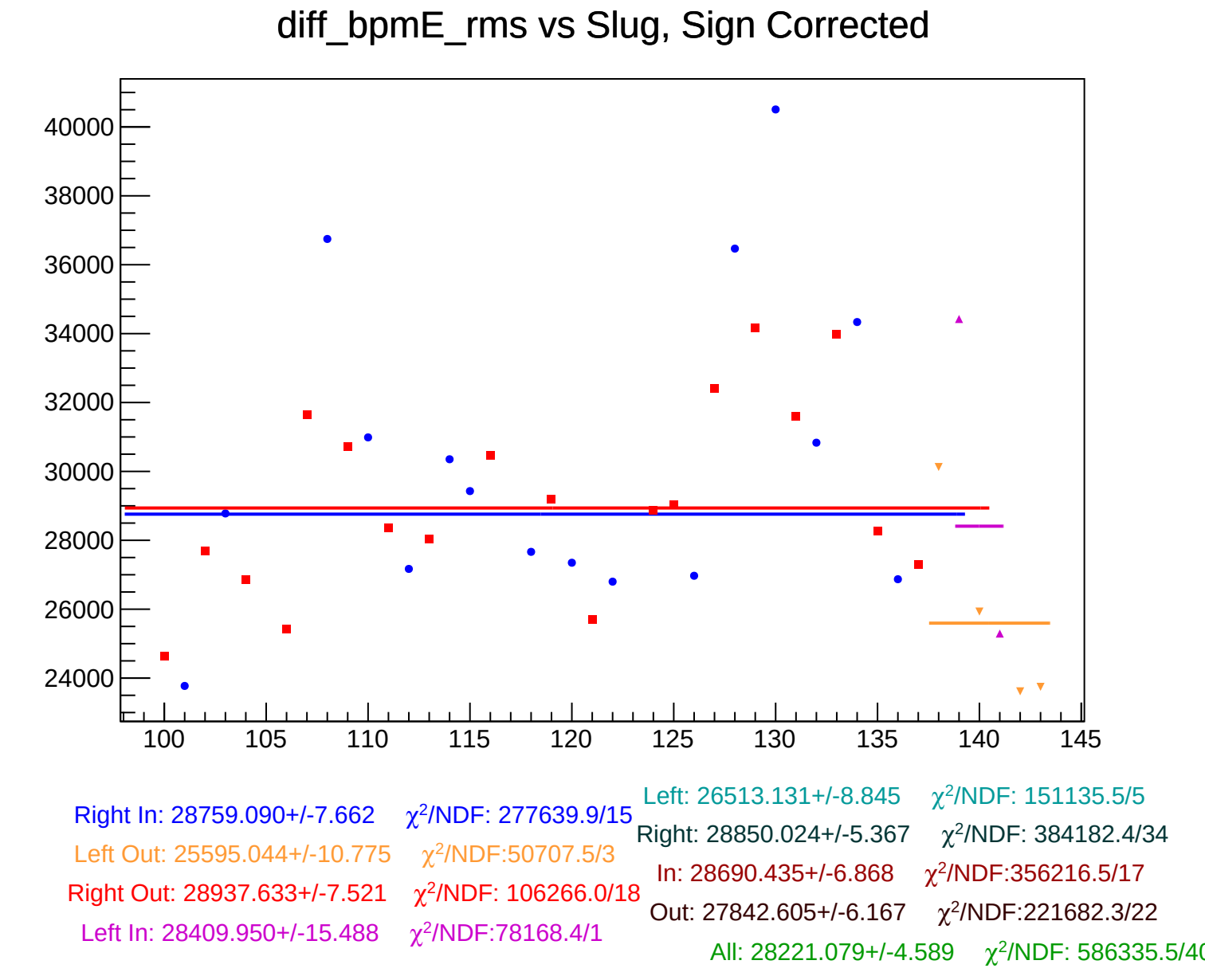
Left: 8.997+/-12.509 χ^2/NDF: 2.3/5

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

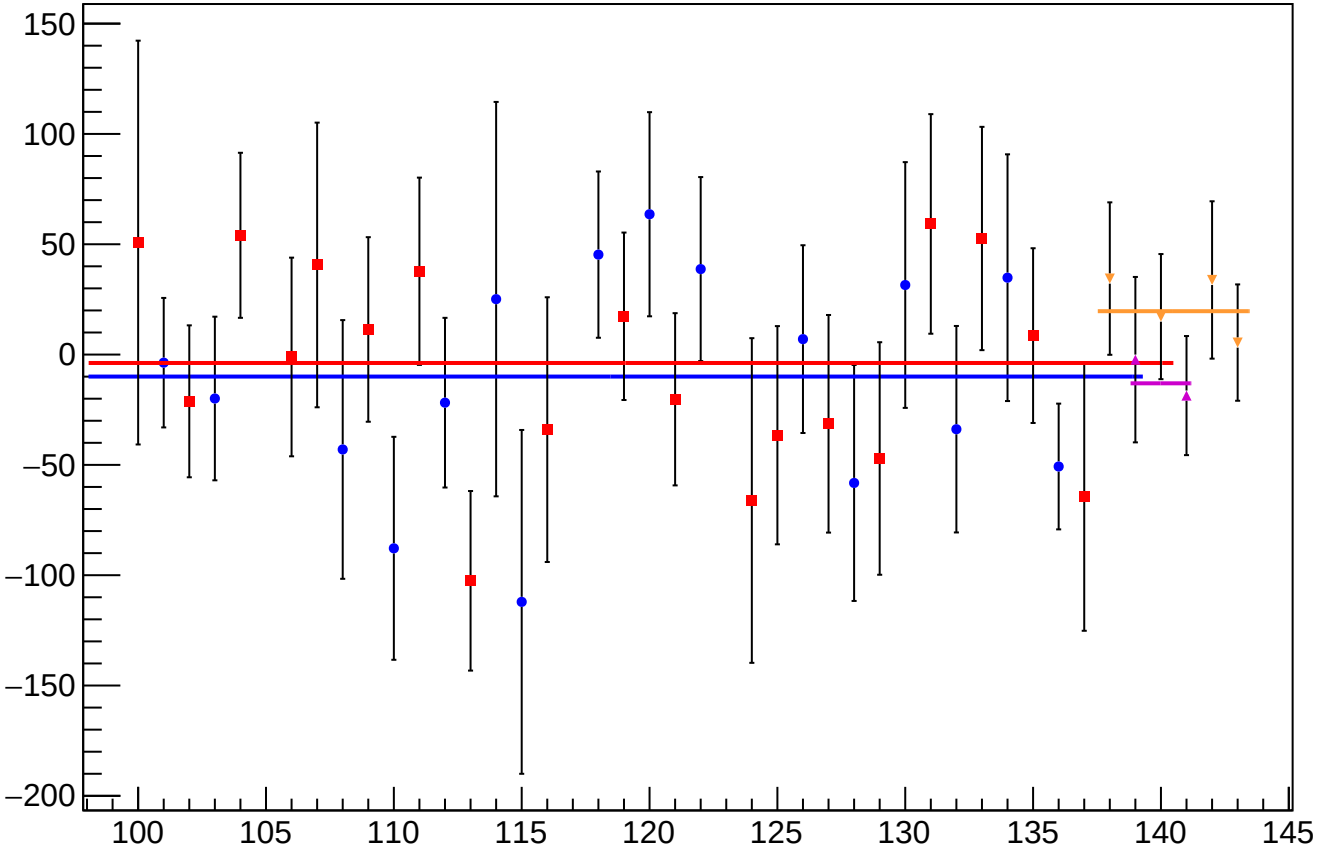
In: -10.571+/-9.713 χ^2/NDF:15.4/17

Out: 3.876+/-8.722 χ^2/NDF:19.5/22

All: -2.573+/-6.489 χ^2/NDF: 36.2/40


diff_bpmE_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
105
110
115
120
125
130
135
140
145
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 25595.044+/-10.775 χ²/NDF:50707.5/3
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 28409.950+/-15.488 χ²/NDF:78168.4/1
Left: 26513.131+/-8.845 χ²/NDF: 151135.5/5
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28690.435+/-6.868 χ²/NDF:356216.5/17
Out: 27842.605+/-6.167 χ²/NDF:221682.3/22
All: 28221.079+/-4.589 χ²/NDF: 586335.5/40

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -13.031+/-21.903 χ^2/NDF:0.1/1

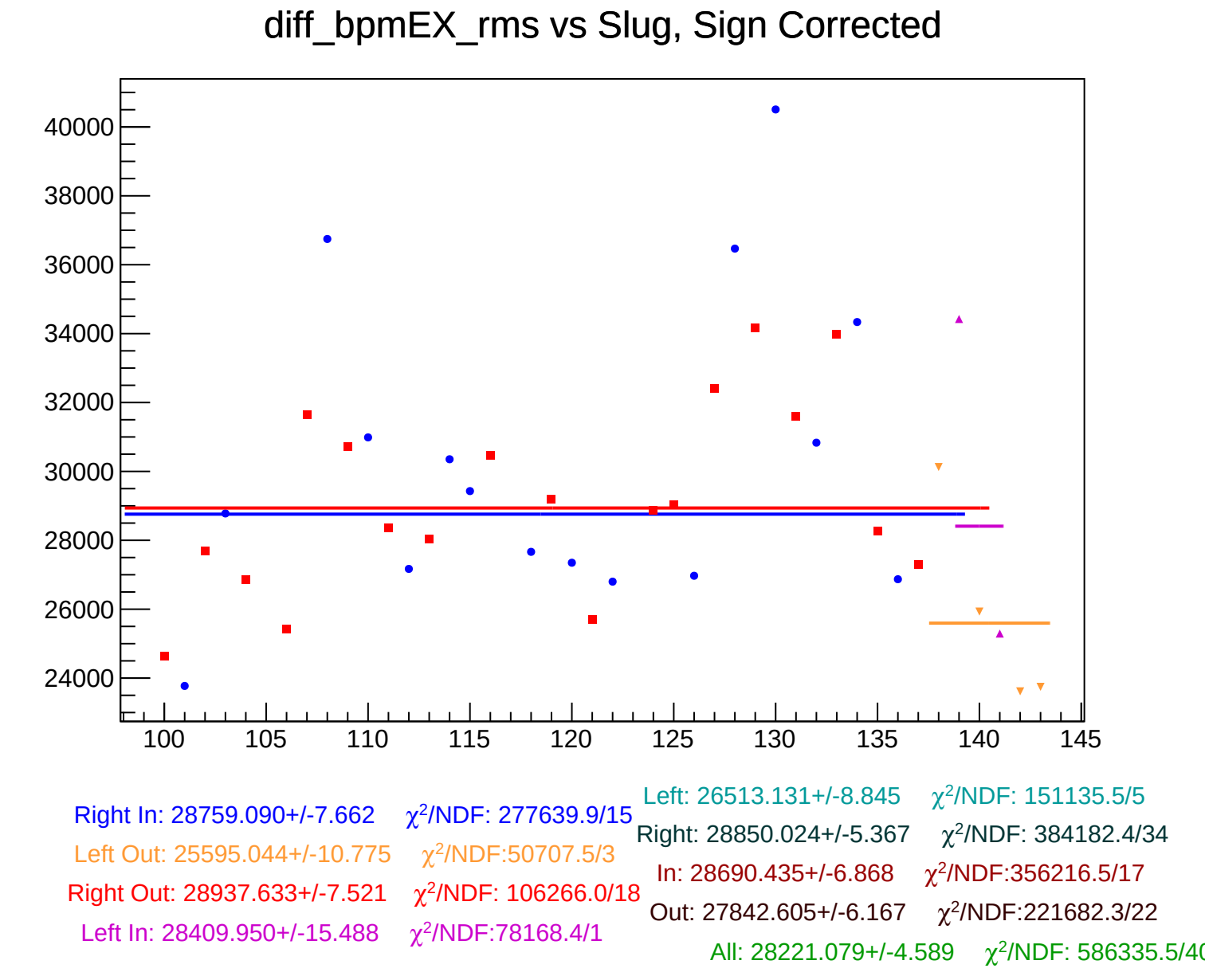
Left: 8.997+/-12.509 χ^2/NDF: 2.3/5

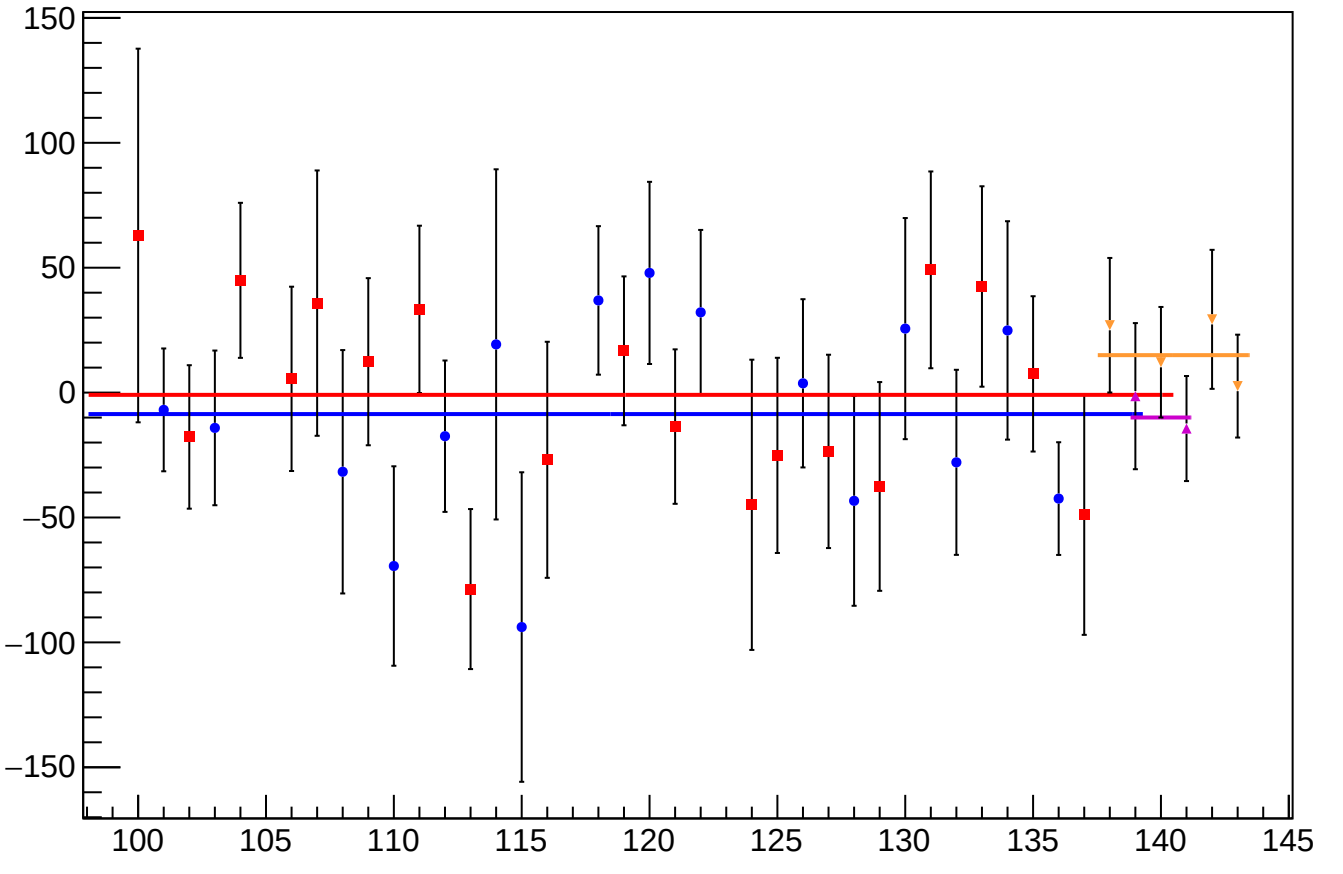
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -10.571+/-9.713 χ^2/NDF:15.4/17

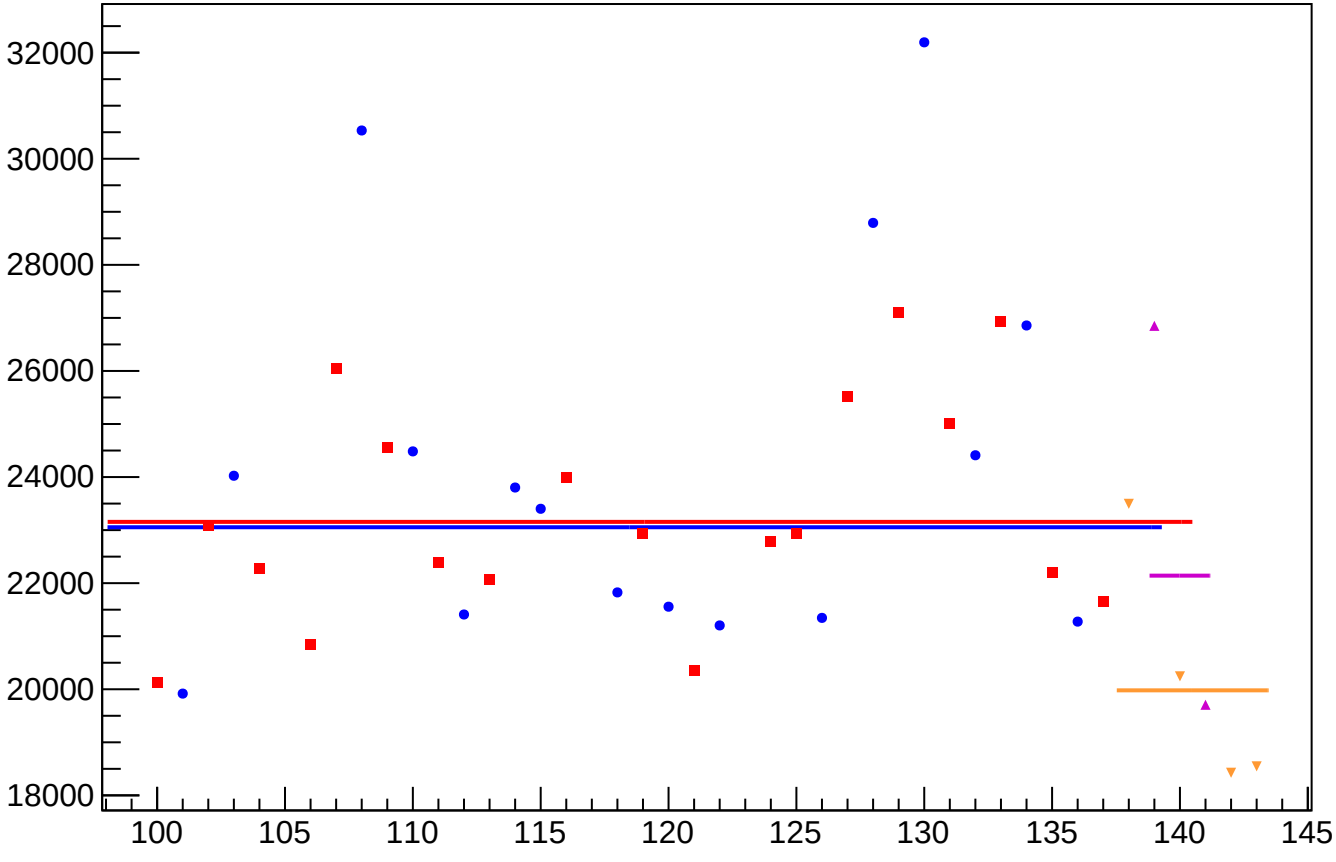
Out: 3.876+/-8.722 χ^2/NDF:19.5/22

All: -2.573+/-6.489 χ^2/NDF: 36.2/40


diff_bpmEX_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
105
110
115
120
125
130
135
140
145
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 25595.044+/-10.775 χ²/NDF:50707.5/3
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 28409.950+/-15.488 χ²/NDF:78168.4/1
Left: 26513.131+/-8.845 χ²/NDF: 151135.5/5
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28690.435+/-6.868 χ²/NDF:356216.5/17
Out: 27842.605+/-6.167 χ²/NDF:221682.3/22
All: 28221.079+/-4.589 χ²/NDF: 586335.5/40


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
105
110
115
120
125
130
135
140
145
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 14.992+/-11.893 χ²/NDF:0.8/3
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: -9.972+/-17.074 χ²/NDF:0.1/1
Left: 6.837+/-9.759 χ²/NDF: 2.4/5
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -8.881+/-7.736 χ²/NDF:15.6/17
Out: 4.475+/-6.919 χ²/NDF:19.6/22
All: -1.460+/-5.157 χ²/NDF: 36.9/40

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 19979.629+/-8.410 χ^2/NDF:50286.7/3

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22141.612+/-12.073 χ^2/NDF:78620.7/1

Left: 20685.915+/-6.901 χ^2/NDF: 150498.8/5

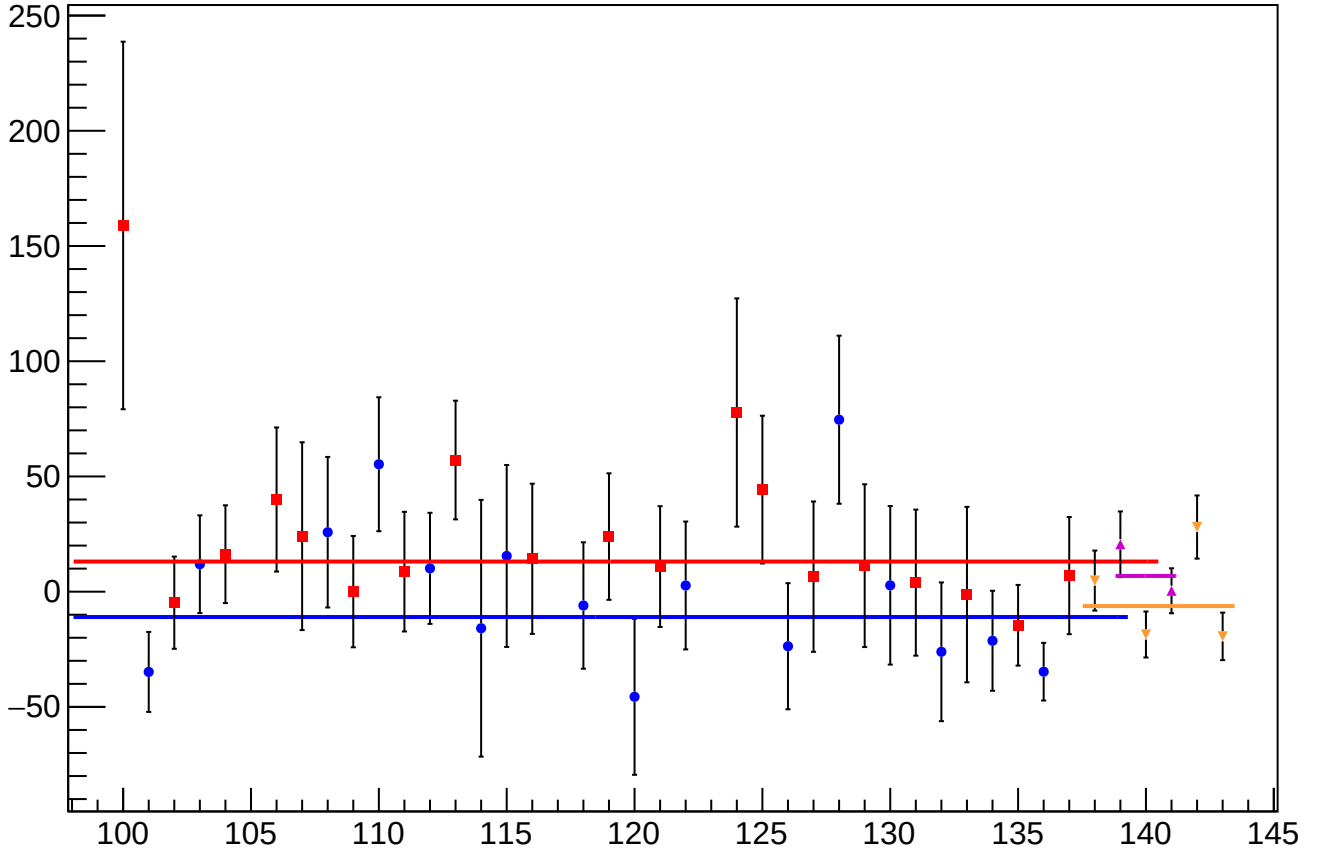
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22866.606+/-5.470 χ^2/NDF:344603.2/17

Out: 22080.587+/-4.892 χ^2/NDF:238520.6/22

All: 22429.864+/-3.647 χ^2/NDF: 594595.0/40

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -6.252+/-5.708 χ^2/NDF:10.1/3

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: -1.878+/-4.656 χ^2/NDF: 13.3/5

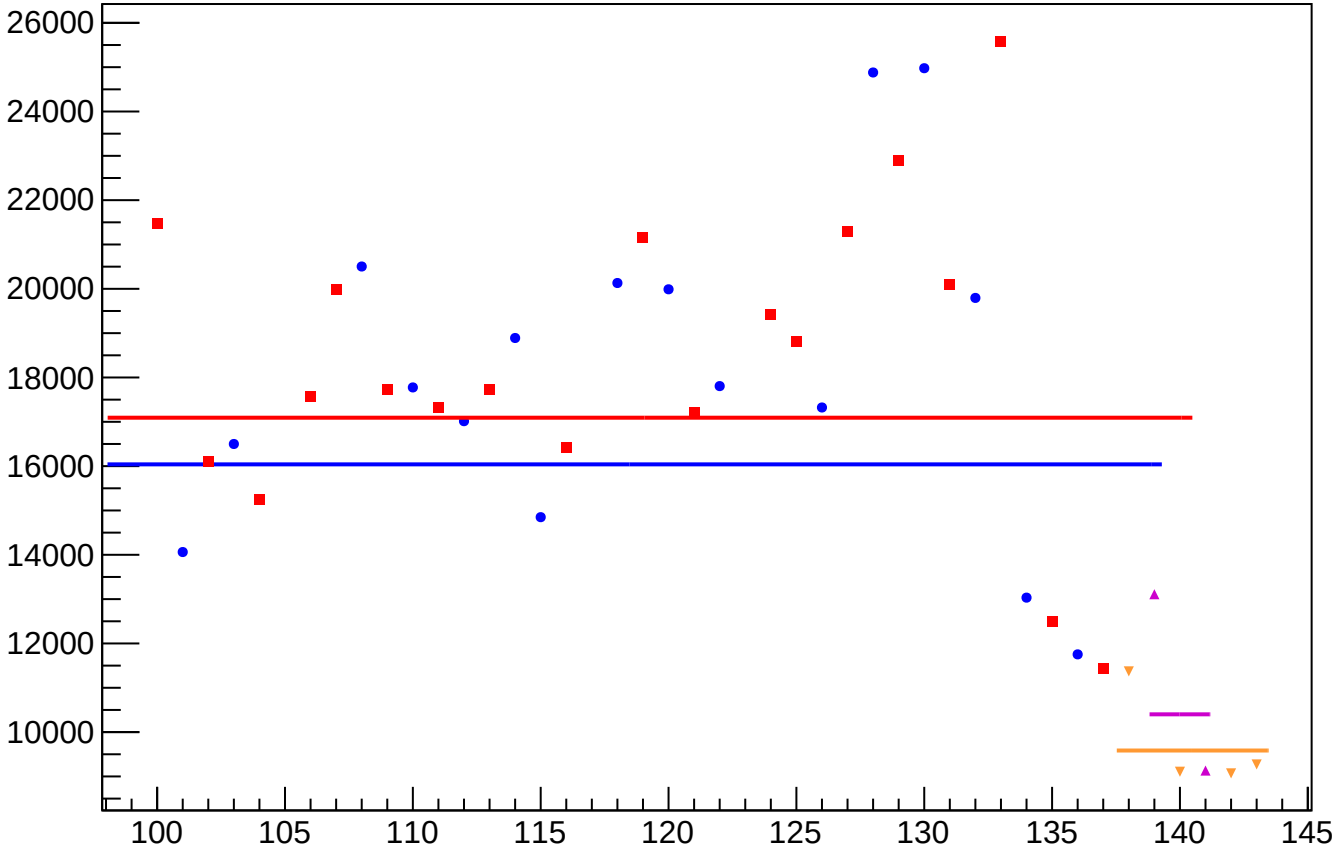
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -4.426+/-4.889 χ^2/NDF:26.5/17

Out: 2.335+/-4.255 χ^2/NDF:29.1/22

All: -0.578+/-3.210 χ^2/NDF: 56.7/40

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9584.812+/-4.036 χ^2/NDF:46857.1/3

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10401.135+/-5.692 χ^2/NDF:106067.6/1

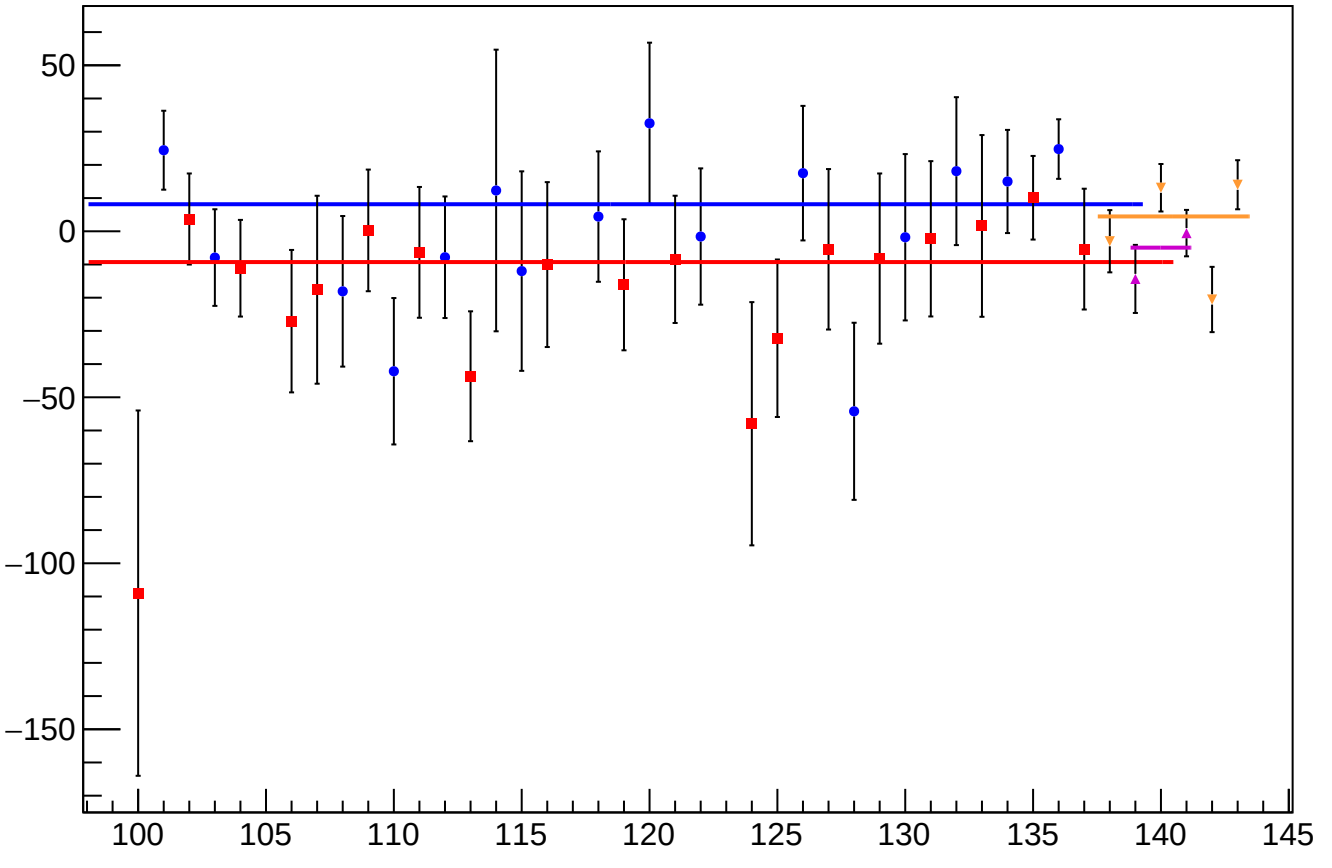
Left: 9857.924+/-3.292 χ^2/NDF: 166610.4/5

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 13959.742+/-3.457 χ^2/NDF:1448063.3/17

Out: 12921.531+/-3.008 χ^2/NDF:2120116.4/22

All: 13368.890+/-2.270 χ^2/NDF: 3619497.5/4



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 4.471+/-4.097 χ^2/NDF:10.2/3

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: 1.325+/-3.341 χ^2/NDF: 13.2/5

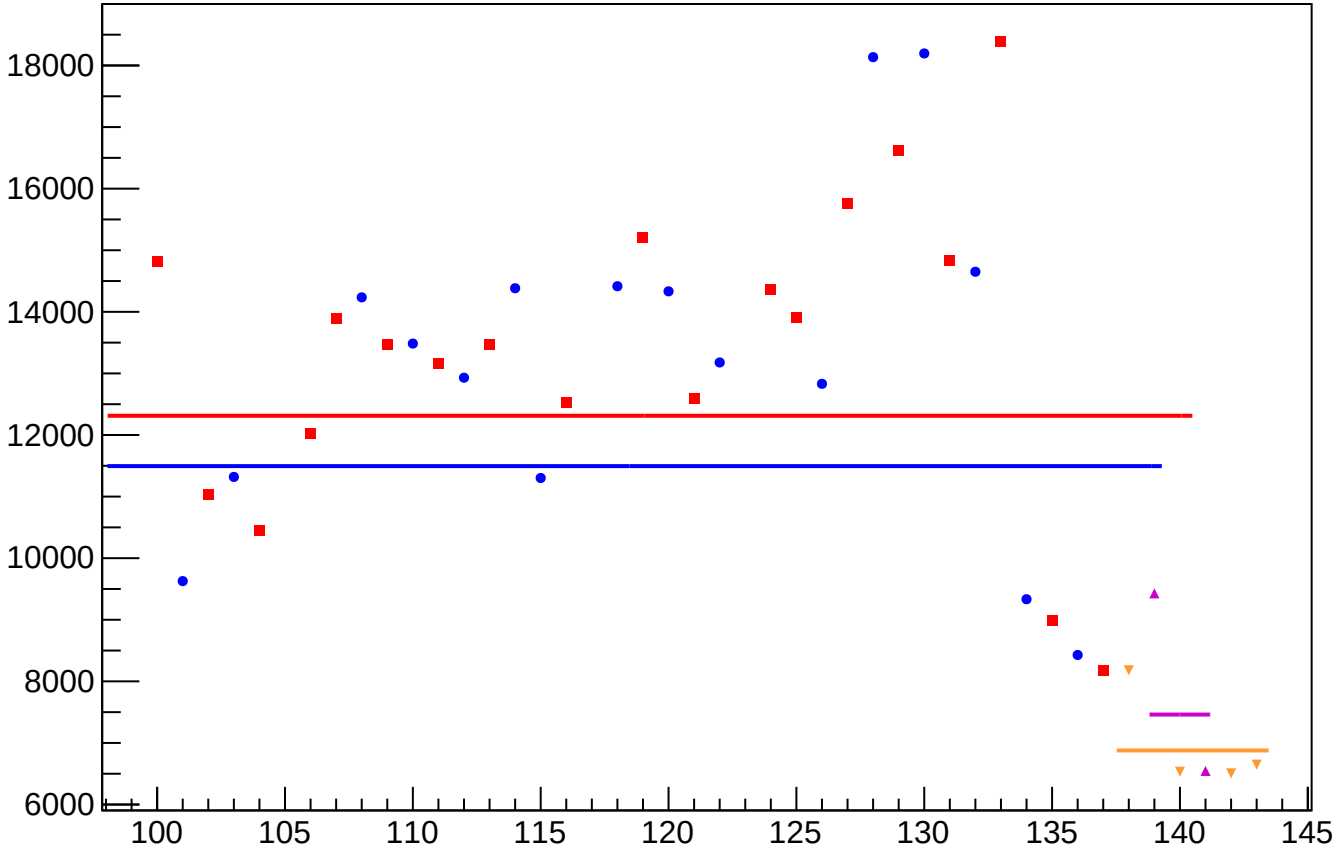
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 3.316+/-3.512 χ^2/NDF:26.3/17

Out: -1.596+/-3.061 χ^2/NDF:29.1/22

All: 0.525+/-2.308 χ^2/NDF: 56.4/40

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 6877.975+/-2.897 χ^2/NDF:48059.9/3

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7460.859+/-4.084 χ^2/NDF:107981.6/1

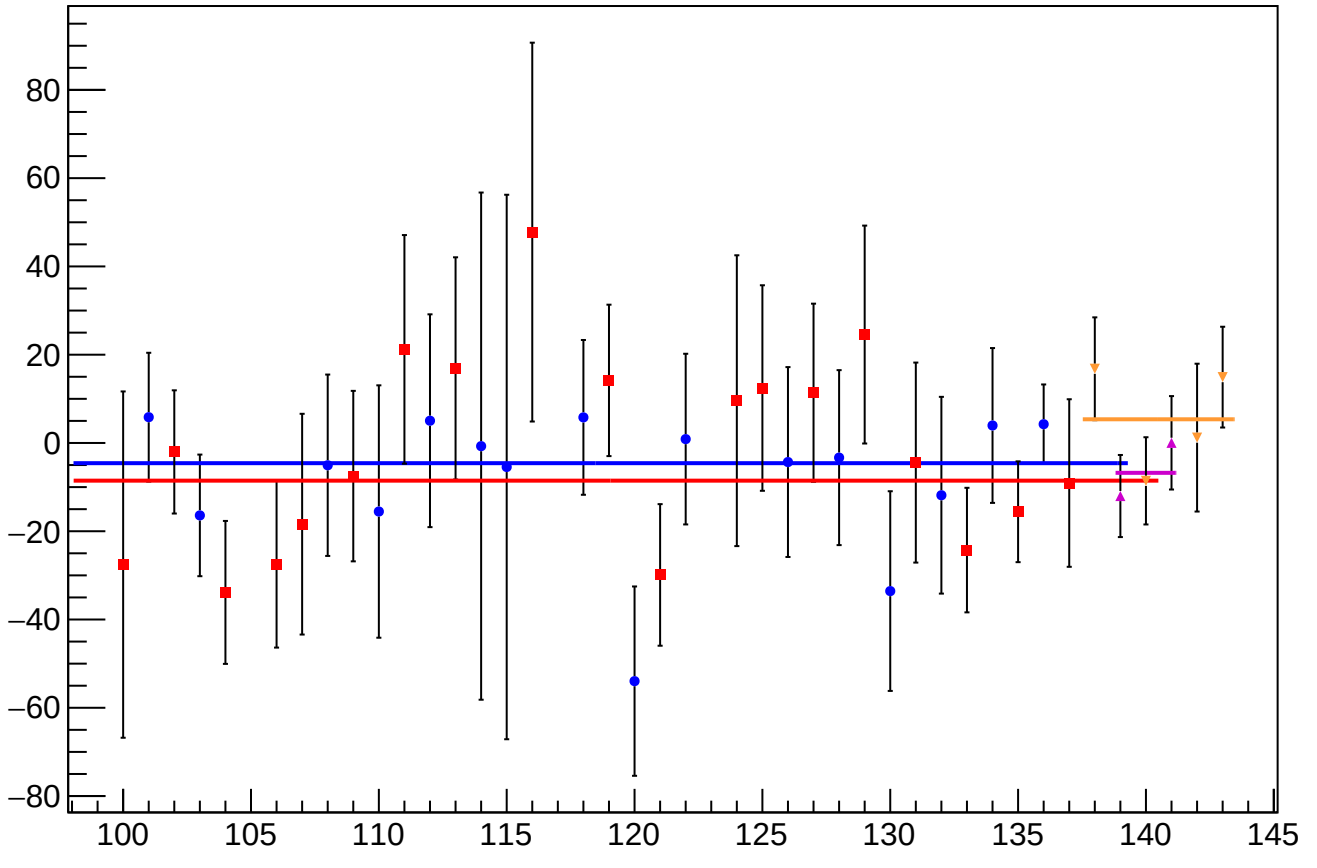
Left: 7073.045+/-2.363 χ^2/NDF: 169592.6/5

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 10003.911+/-2.483 χ^2/NDF:1512967.0/17

Out: 9277.492+/-2.165 χ^2/NDF:2200960.5/22

All: 9591.176+/-1.632 χ^2/NDF: 3762555.0/40


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
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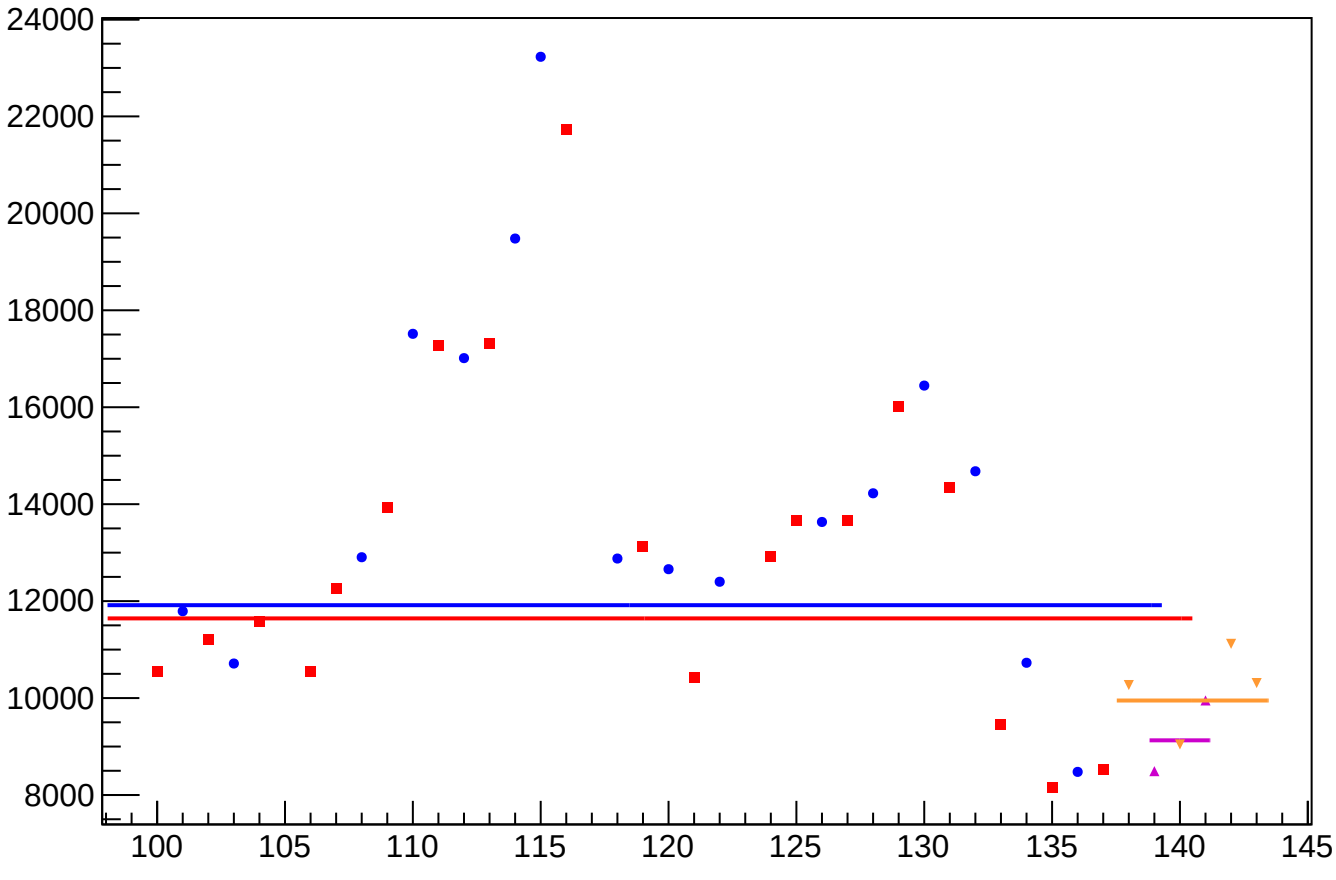
115
120
125
130
135
140
145
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 5.365+/-5.887 χ²/NDF:3.7/3
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -6.767+/-6.986 χ²/NDF:0.7/1
Left: 0.327+/-4.502 χ²/NDF: 6.2/5
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -5.231+/-3.815 χ²/NDF:11.0/17
Out: -3.566+/-3.521 χ²/NDF:24.5/22
All: -4.332+/-2.587 χ²/NDF: 35.6/40



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9949.587+/-4.163 χ^2/NDF:30061.5/3

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 9128.219+/-4.940 χ^2/NDF:21439.6/1

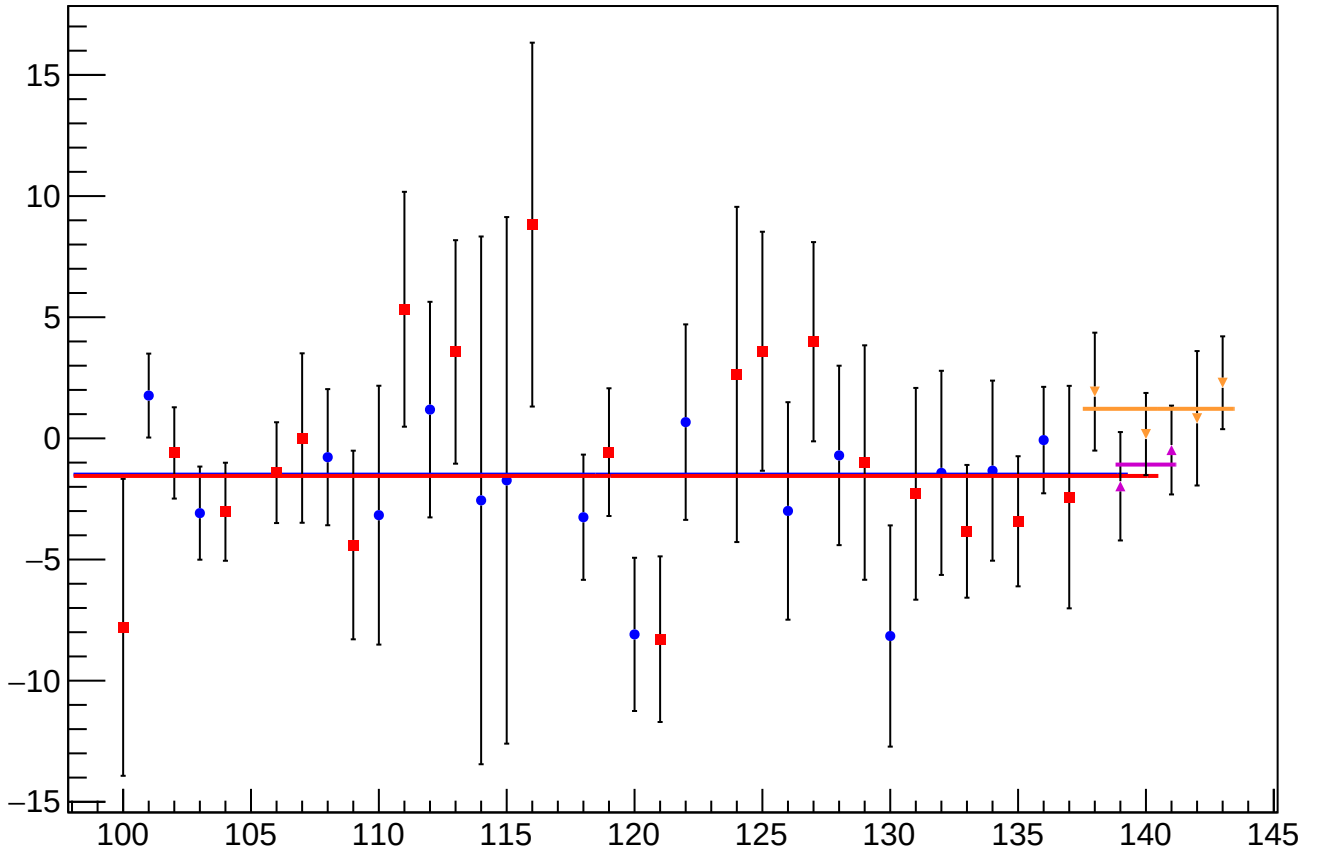
Left: 9608.511+/-3.183 χ^2/NDF: 67665.6/5

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11084.950+/-2.698 χ^2/NDF:994757.5/17

Out: 11037.898+/-2.489 χ^2/NDF:926797.5/22

All: 11059.537+/-1.829 χ^2/NDF: 1921719.3/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.220+/-1.043 χ^2/NDF:0.8/3

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.082+/-1.418 χ^2/NDF:0.3/1

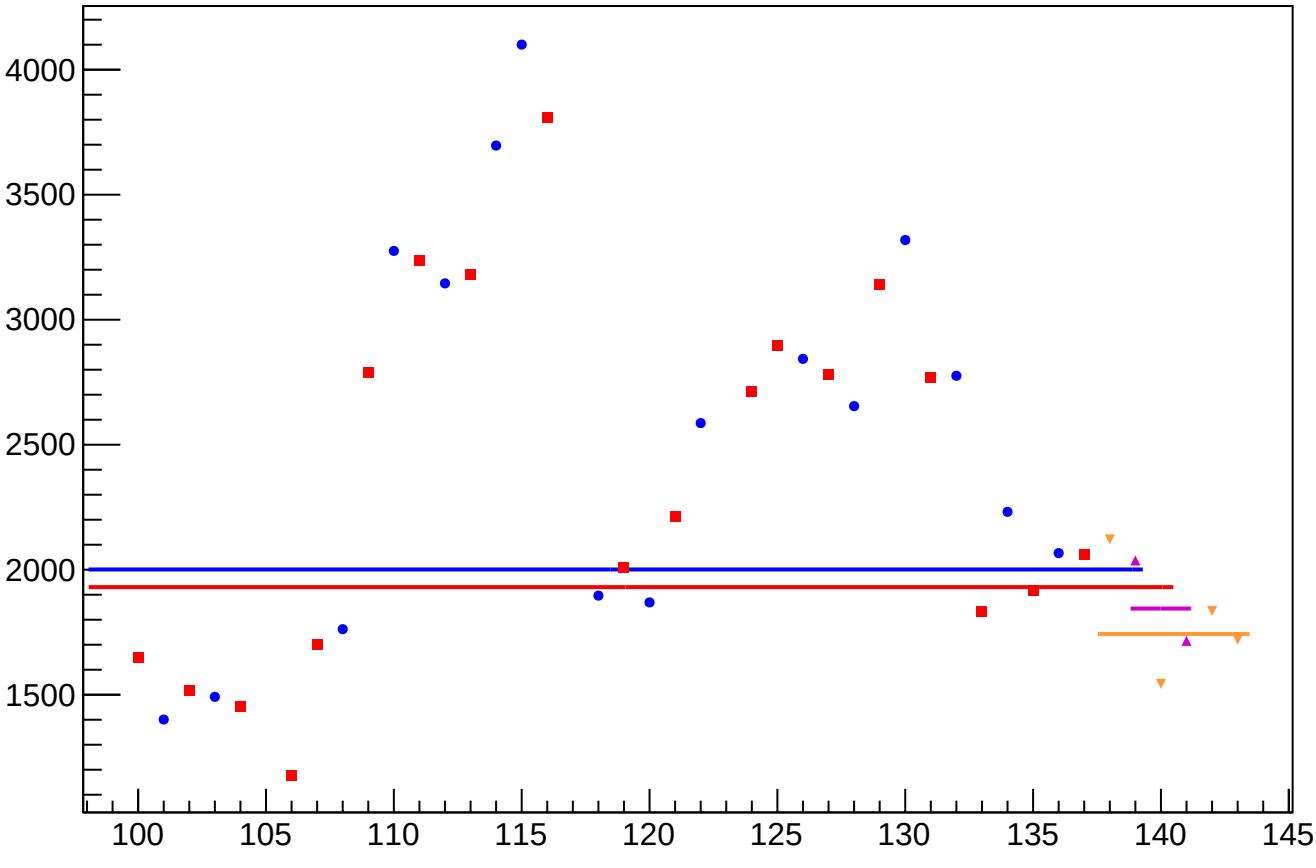
Left: 0.412+/-0.840 χ^2/NDF: 2.8/5

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.400+/-0.682 χ^2/NDF:12.9/17

Out: -0.615+/-0.606 χ^2/NDF:21.7/22

All: -0.961+/-0.453 χ^2/NDF: 35.4/40



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1743.119+/-0.738 χ^2/NDF:78465.3/3

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1844.704+/-1.003 χ^2/NDF:24703.5/1

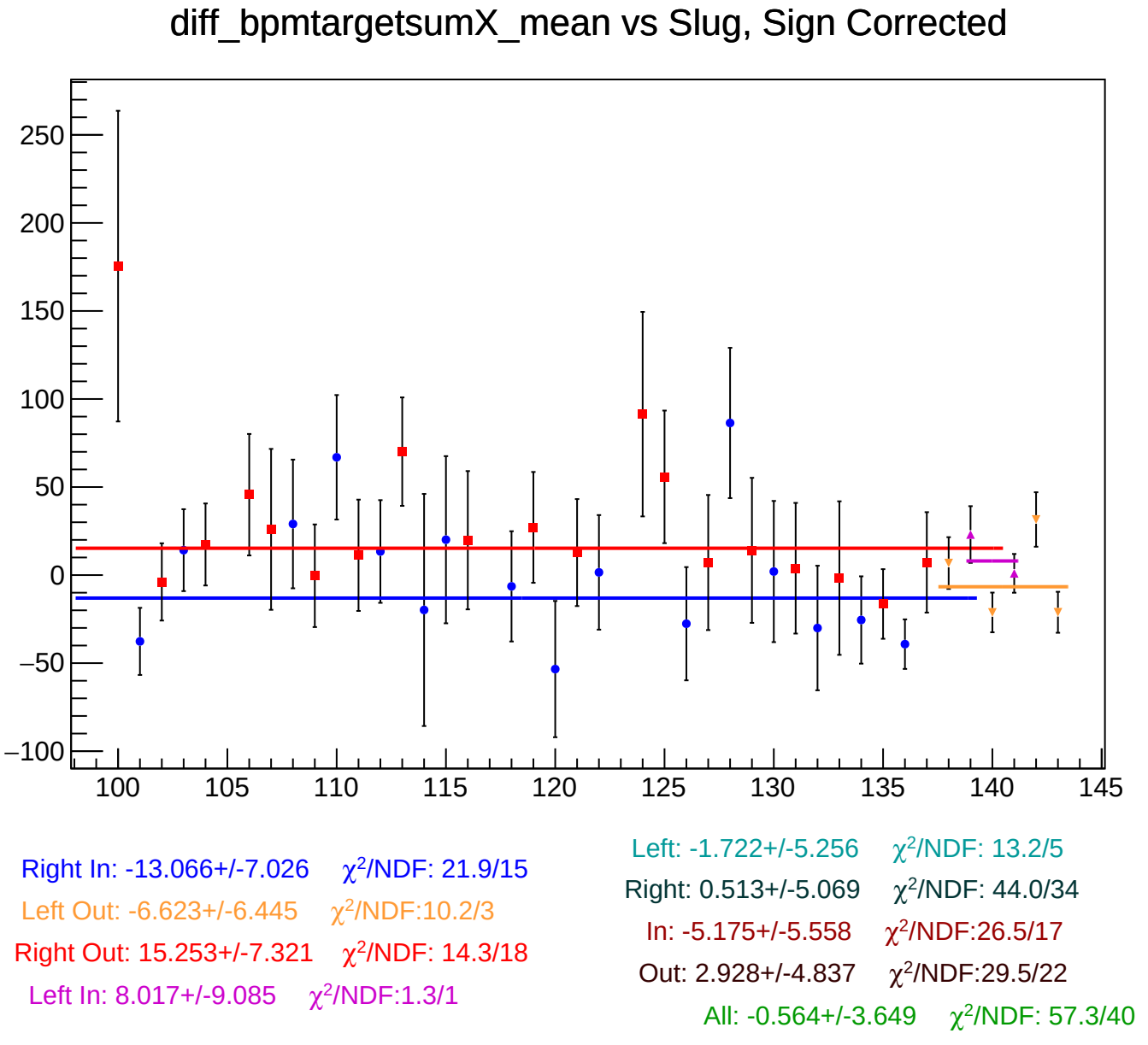
Left: 1778.791+/-0.594 χ^2/NDF: 109830.5/5

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1964.812+/-0.482 χ^2/NDF:1233164.9/17

Out: 1867.209+/-0.428 χ^2/NDF:1524747.8/22

All: 1910.254+/-0.320 χ^2/NDF: 2780794.7/40


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
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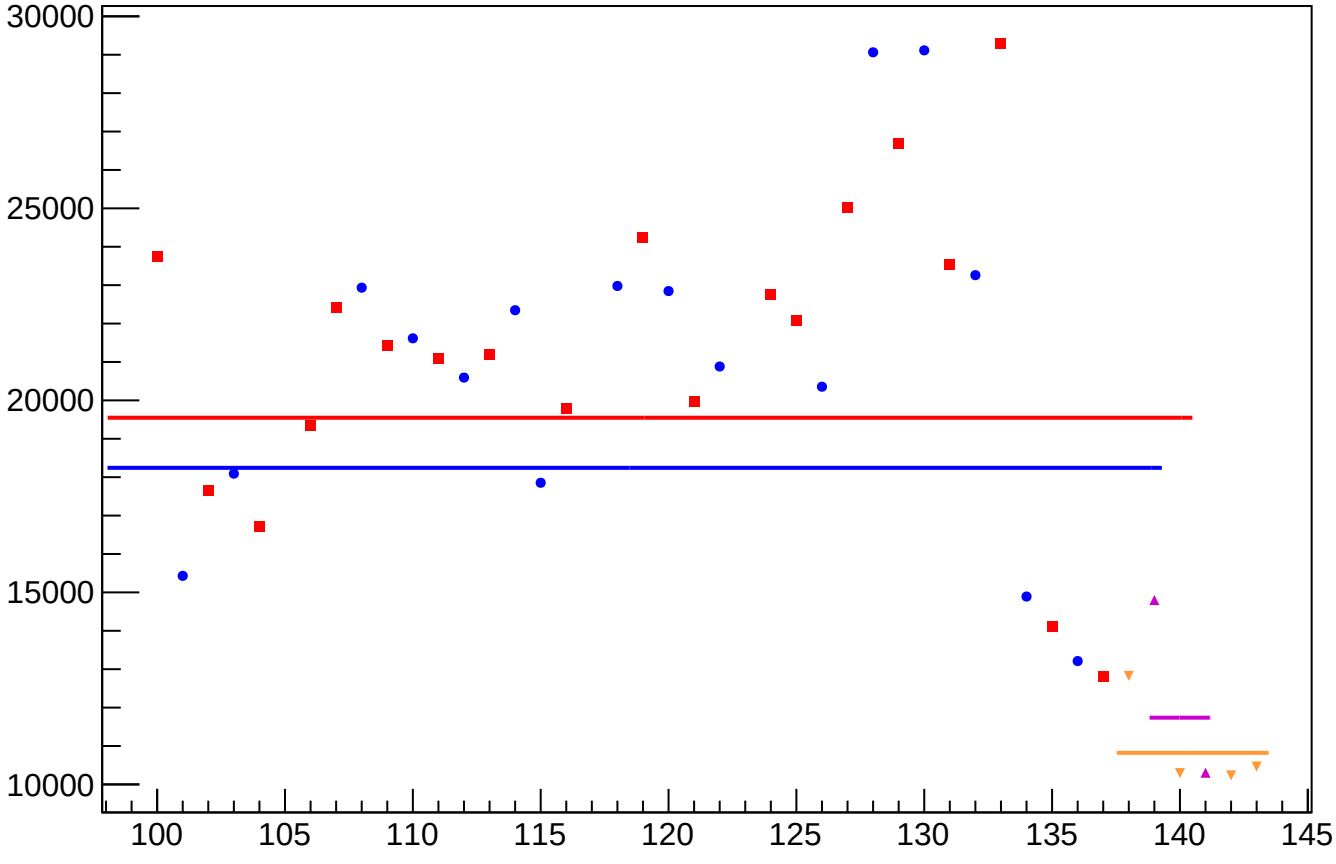
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -6.623+/-6.445 χ²/NDF:10.2/3
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 8.017+/-9.085 χ²/NDF:1.3/1
Left: -1.722+/-5.256 χ²/NDF: 13.2/5
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -5.175+/-5.558 χ²/NDF:26.5/17
Out: 2.928+/-4.837 χ²/NDF:29.5/22
All: -0.564+/-3.649 χ²/NDF: 57.3/40

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 10822.705+/-4.557 χ^2/NDF:46353.8/3

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11737.753+/-6.424 χ^2/NDF:106320.2/1

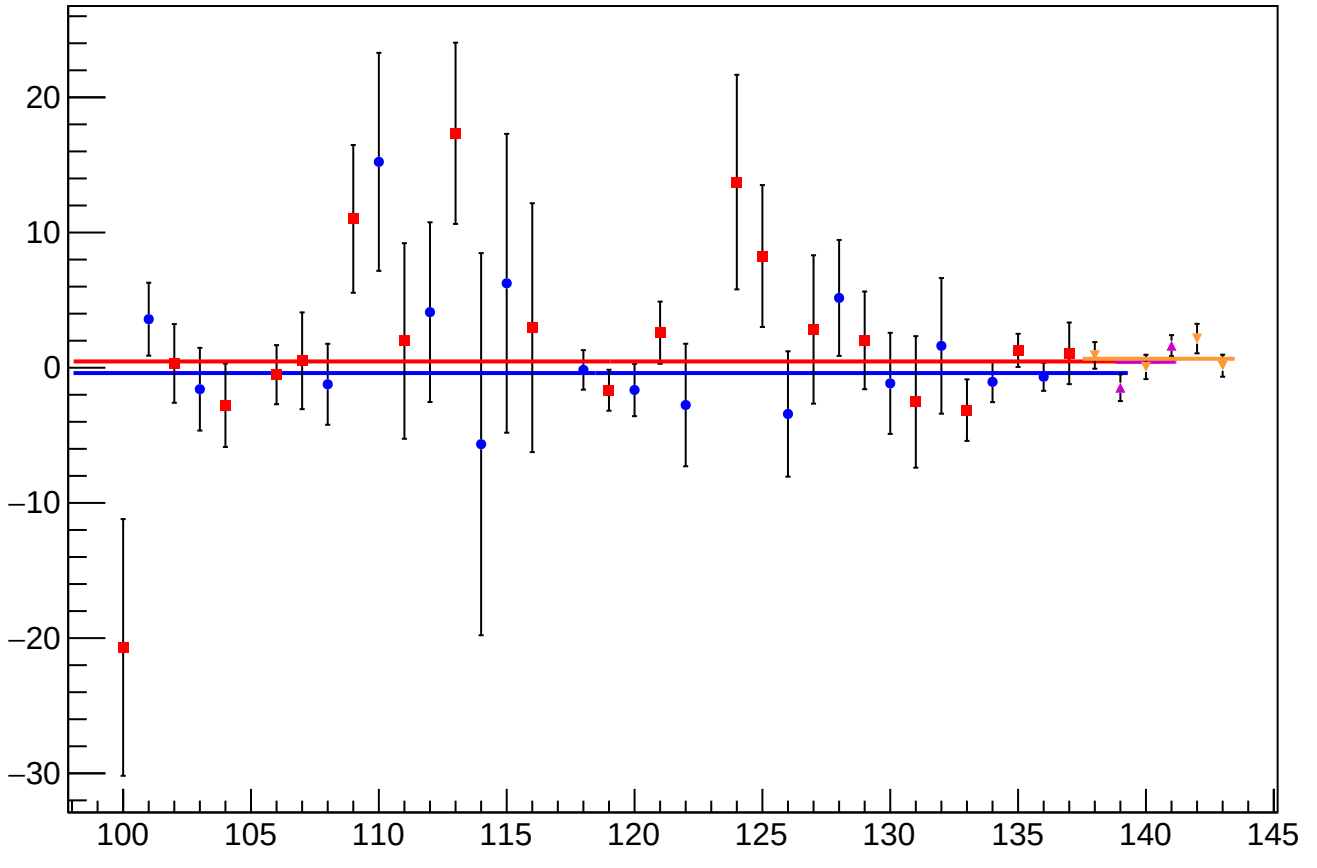
Left: 11129.042+/-3.717 χ^2/NDF: 166171.9/5

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 15808.335+/-3.930 χ^2/NDF:1567880.1/17

Out: 14632.547+/-3.420 χ^2/NDF:2268844.1/22

All: 15139.318+/-2.580 χ^2/NDF: 3887652.8/4



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.662+/-0.466 χ^2/NDF:2.8/3

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: 0.581+/-0.371 χ^2/NDF: 8.9/5

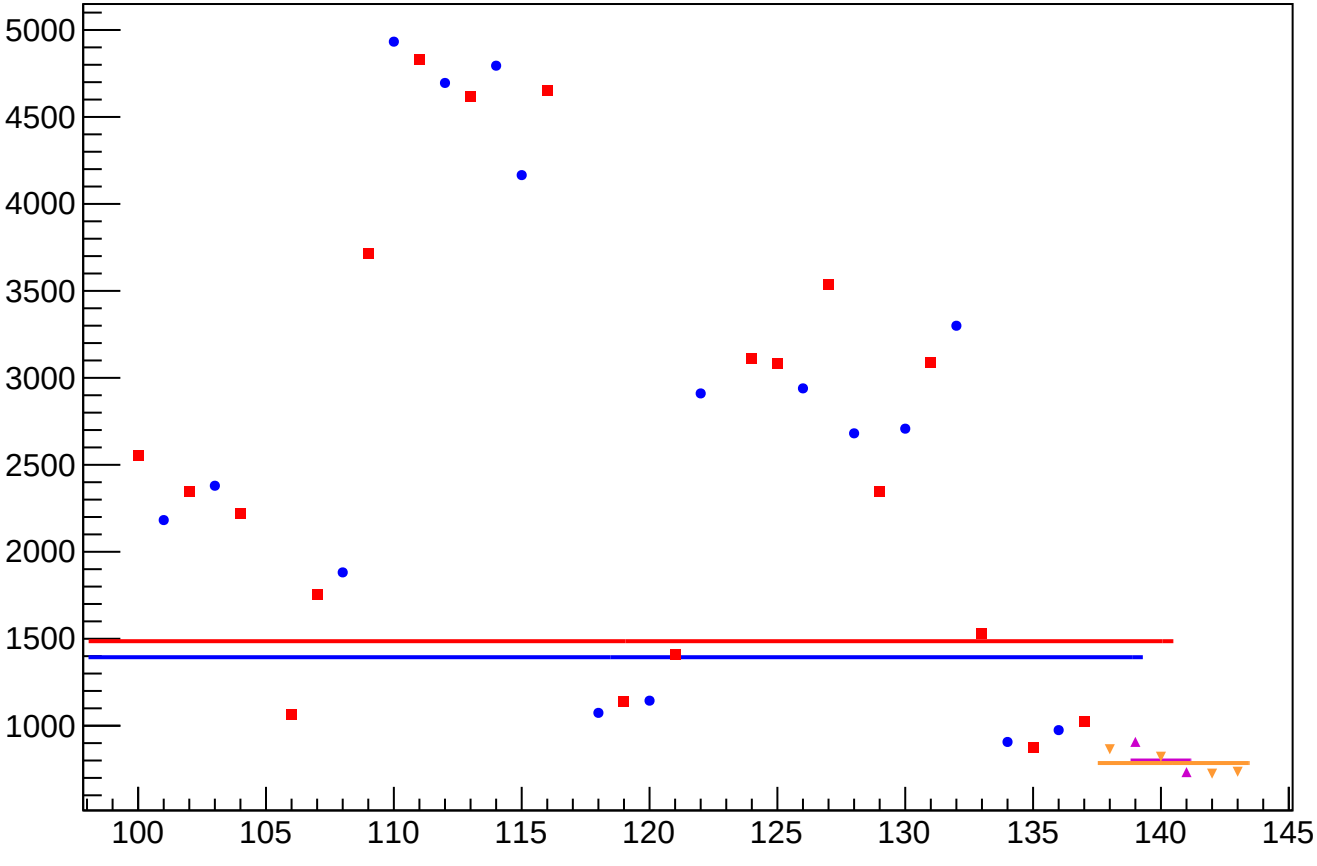
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.014+/-0.429 χ^2/NDF:17.4/17

Out: 0.593+/-0.375 χ^2/NDF:30.9/22

All: 0.341+/-0.283 χ^2/NDF: 49.3/40

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 785.479+/-0.330 χ^2/NDF:29995.7/3

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 800.004+/-0.434 χ^2/NDF:38021.0/1

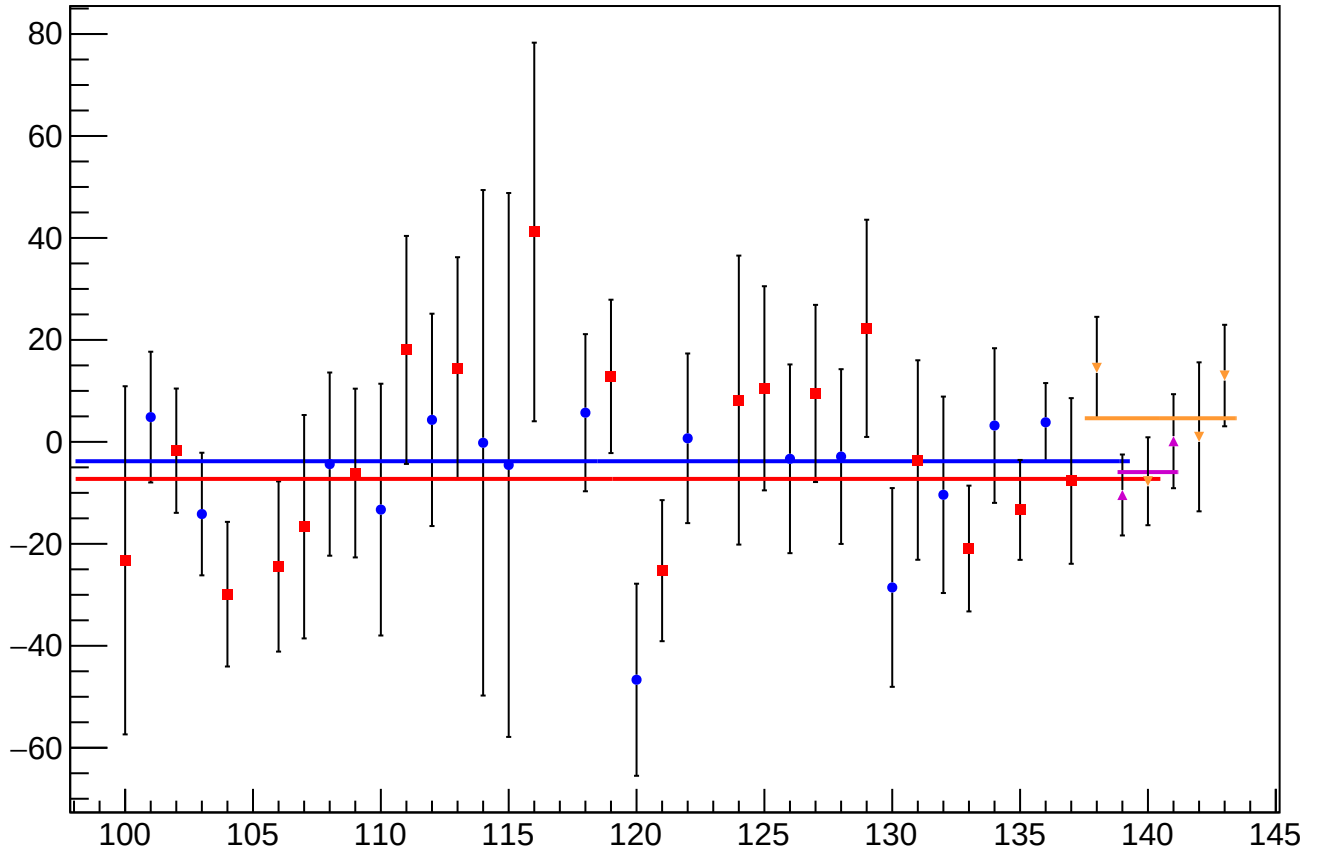
Left: 790.796+/-0.262 χ^2/NDF: 68727.8/5

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 1103.402+/-0.303 χ^2/NDF:4377137.3/17

Out: 1031.249+/-0.265 χ^2/NDF:5014346.9/22

All: 1062.551+/-0.200 χ^2/NDF: 9423524.7/40


diff_bpmtargetsumY_mean vs Slug, Sign Corrected
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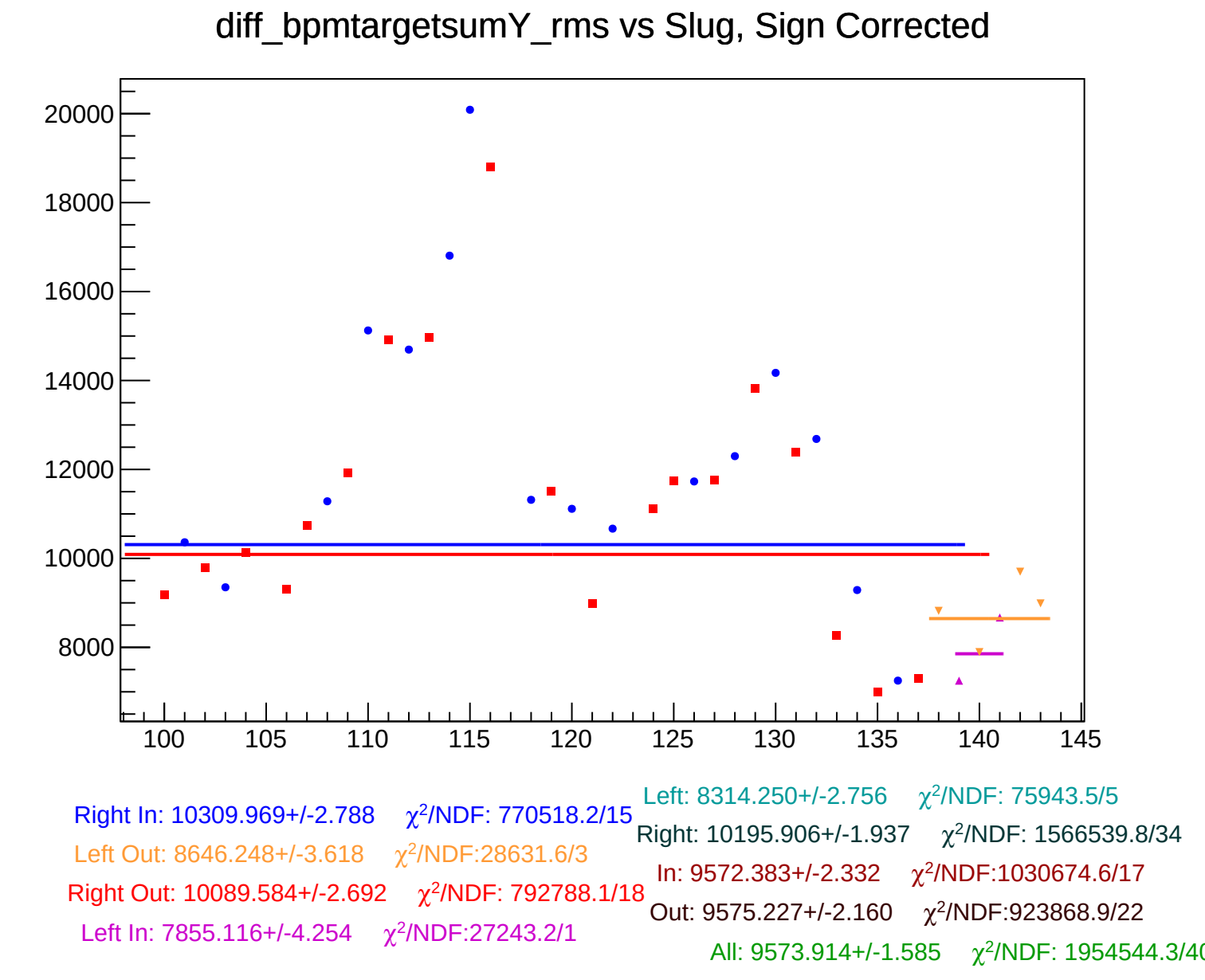
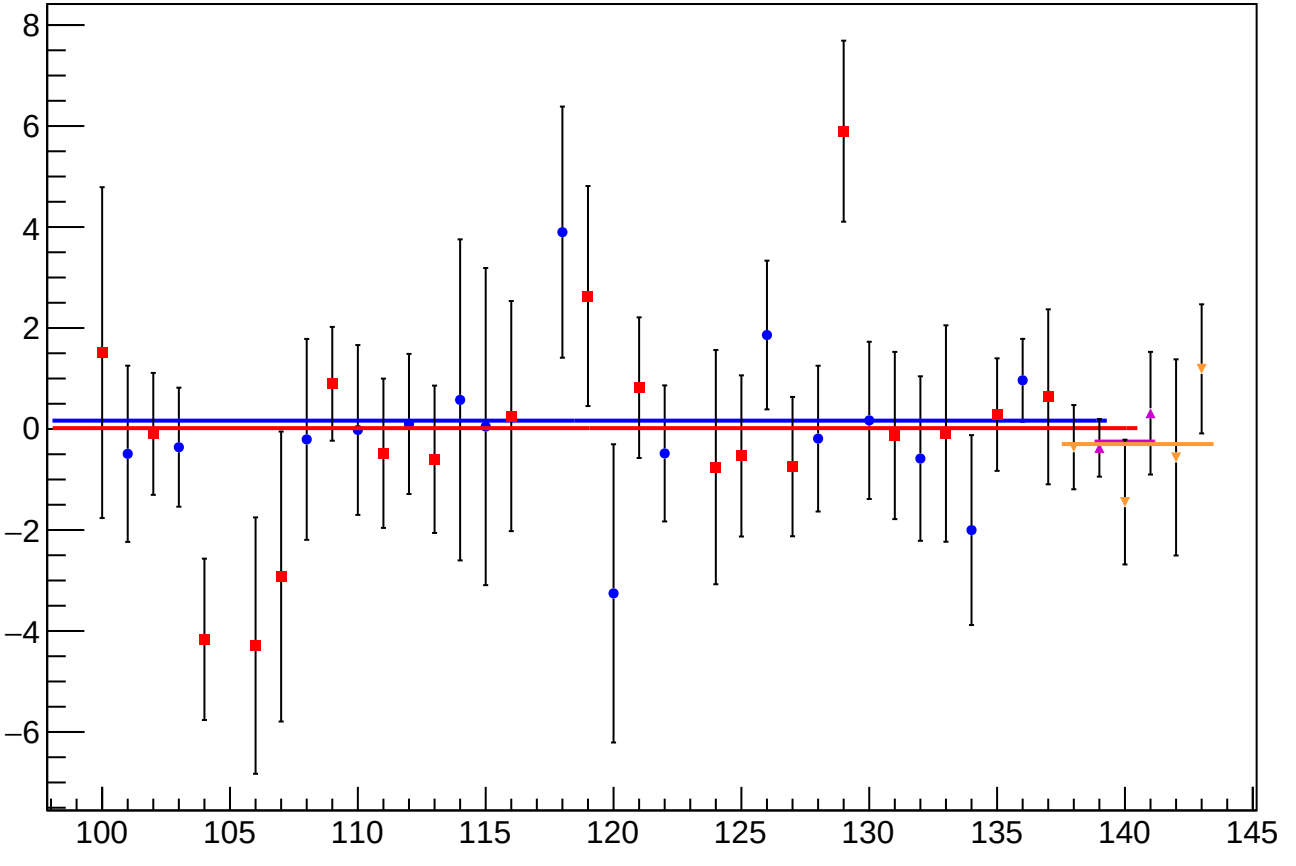
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 4.633+/-5.116 χ²/NDF:3.8/3
Right Out: -7.264+/-3.807 χ²/NDF: 17.3/18
Left In: -5.926+/-6.017 χ²/NDF:0.8/1
Left: 0.202+/-3.898 χ²/NDF: 6.3/5
Right: -5.590+/-2.739 χ²/NDF: 27.7/34
In: -4.435+/-3.298 χ²/NDF:10.9/17
Out: -3.024+/-3.054 χ²/NDF:24.5/22
All: -3.676+/-2.241 χ²/NDF: 35.5/40


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 8646.248+/-3.618 χ²/NDF:28631.6/3
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 7855.116+/-4.254 χ²/NDF:27243.2/1
Left: 8314.250+/-2.756 χ²/NDF: 75943.5/5
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9572.383+/-2.332 χ²/NDF:1030674.6/17
Out: 9575.227+/-2.160 χ²/NDF:923868.9/22
All: 9573.914+/-1.585 χ²/NDF: 1954544.3/40

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.298+/-0.580 χ^2/NDF:2.2/3

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: -0.271+/-0.386 χ^2/NDF: 2.5/5

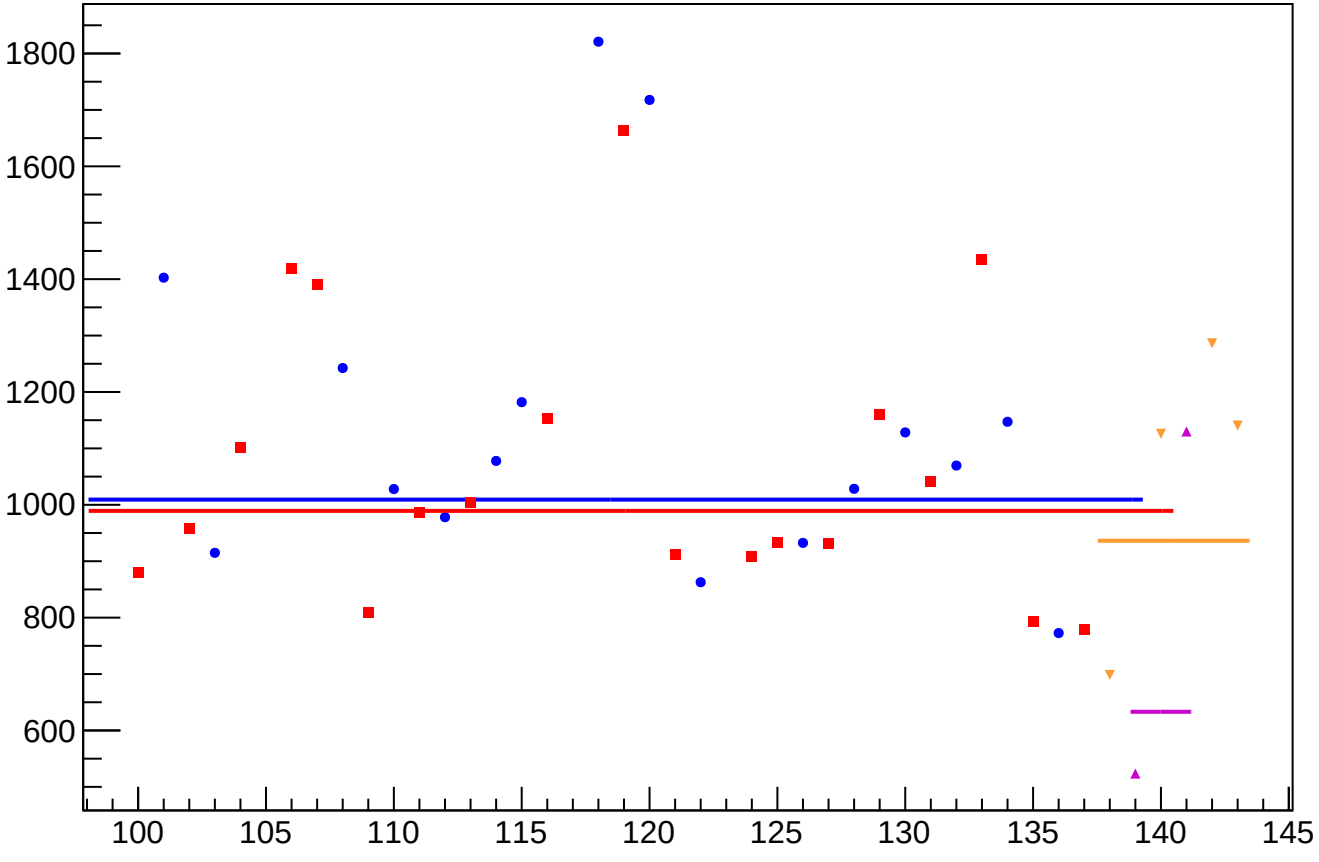
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.017+/-0.309 χ^2/NDF:8.8/17

Out: -0.075+/-0.313 χ^2/NDF:27.6/22

All: -0.029+/-0.220 χ^2/NDF: 36.5/40

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 936.293+/-0.410 χ^2/NDF:325665.7/3

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: 767.035+/-0.273 χ^2/NDF: 1038834.1/5

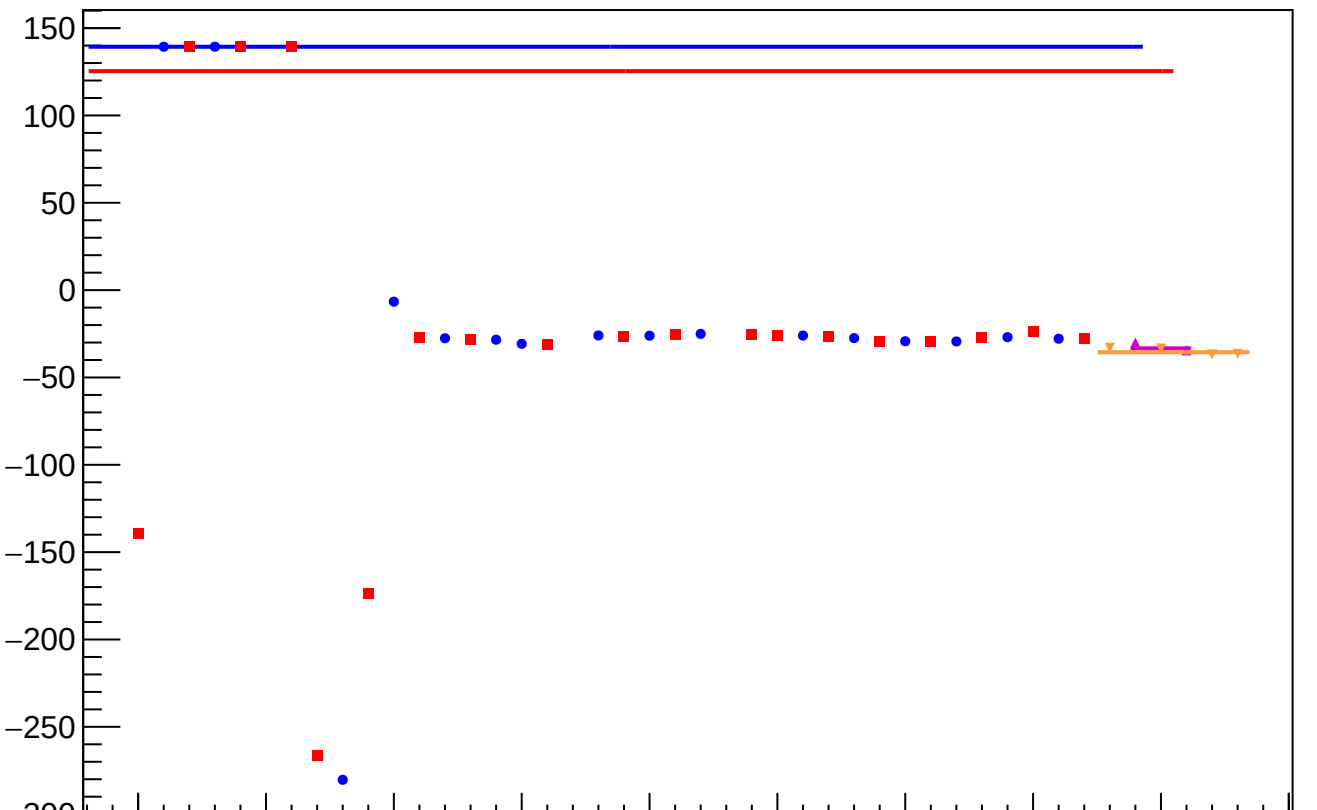
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 874.212+/-0.219 χ^2/NDF:1788282.2/17

Out: 973.812+/-0.222 χ^2/NDF:913222.7/22

All: 923.368+/-0.156 χ^2/NDF: 2803862.4/40

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -35.555+/-0.001 χ^2/NDF:3005671.3/3

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -33.317+/-0.002 χ^2/NDF:1553538.4/1

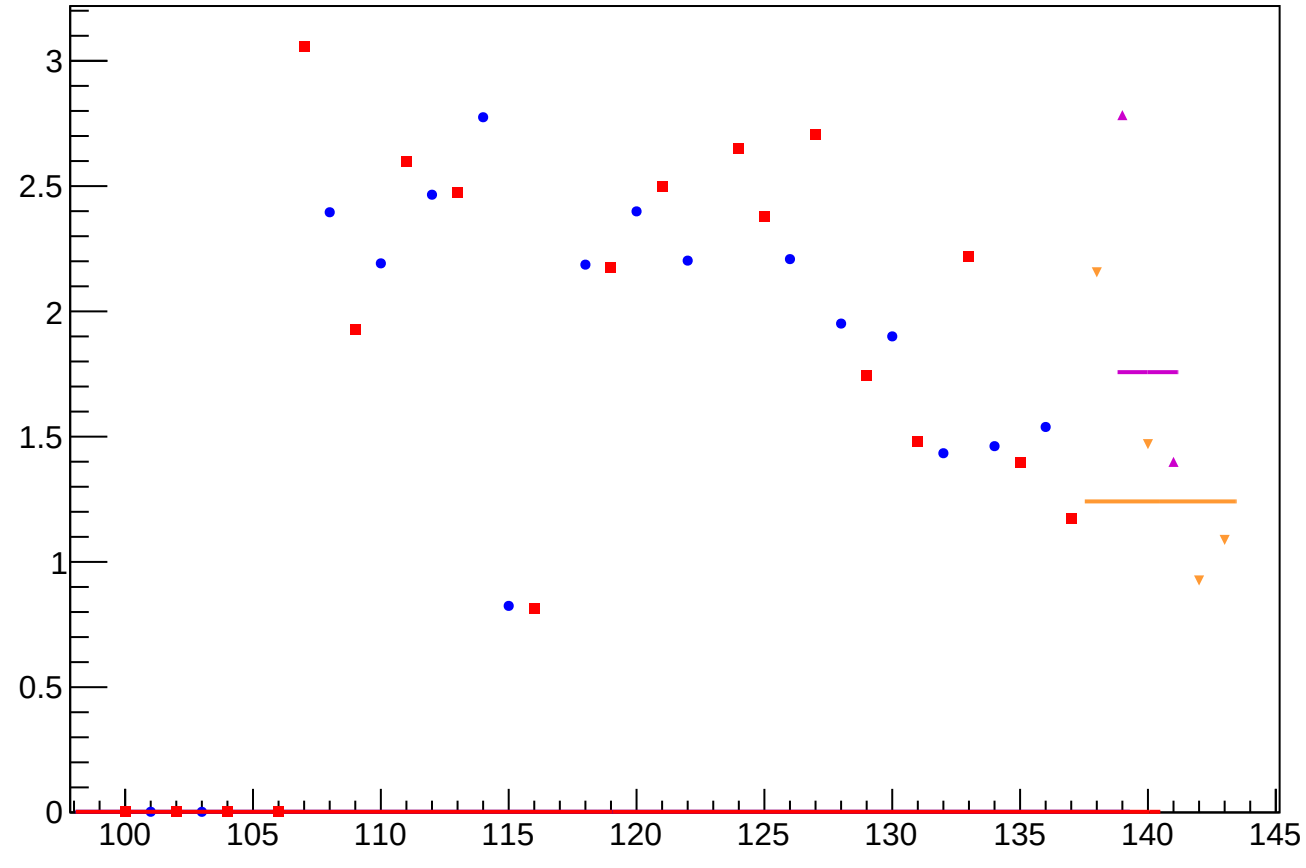
Left: -35.007+/-0.001 χ^2/NDF: 6105832.7/5

Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.336+/-0.000 χ^2/NDF:59283783211.7/17

Out: 125.391+/-0.000 χ^2/NDF:774205822171698.

All: 131.817+/-0.000 χ^2/NDF: 793051522121



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.241+/-0.001 χ^2/NDF:356985.9/3

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.757+/-0.001 χ^2/NDF:300579.9/1

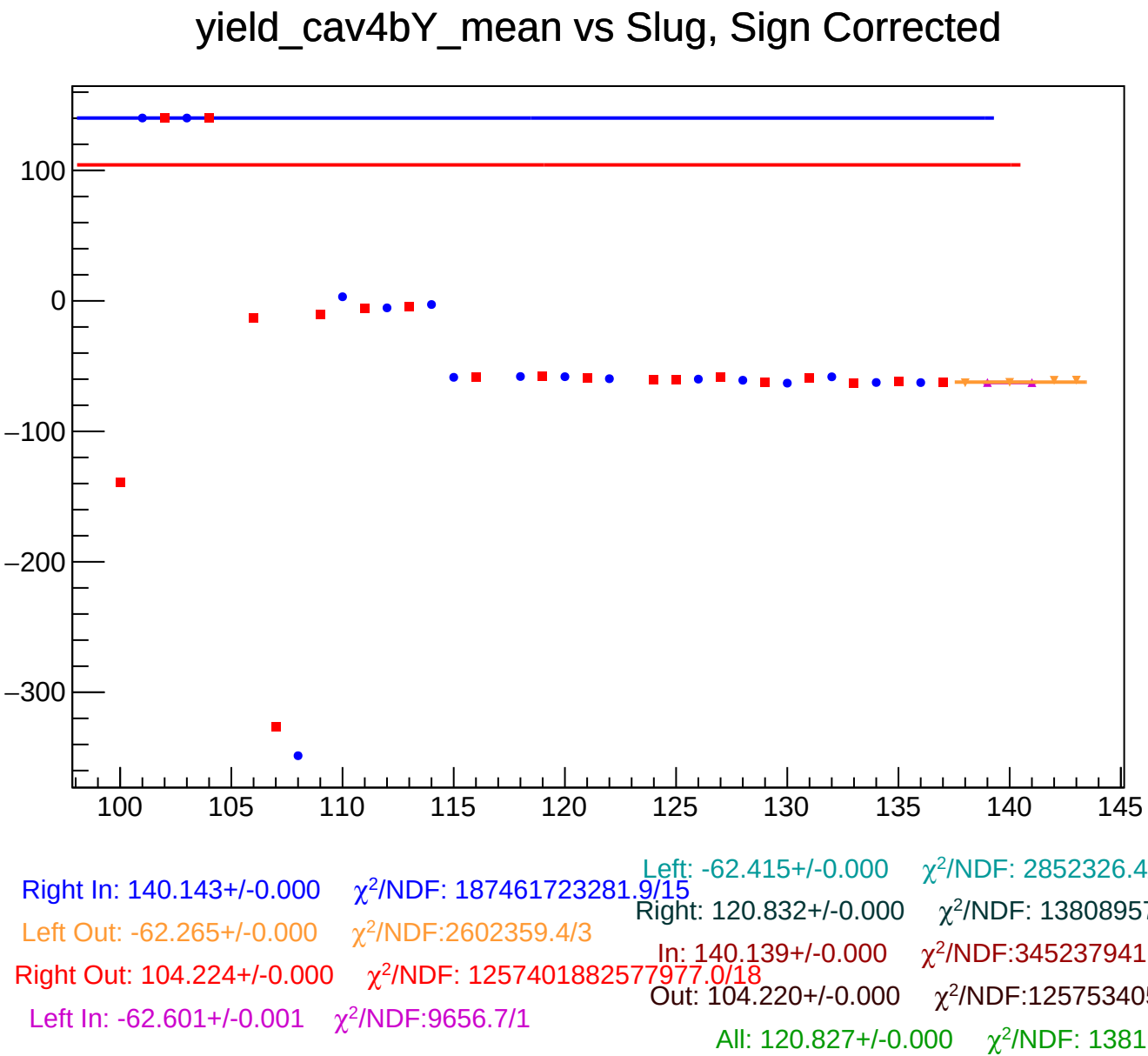
Left: 1.368+/-0.001 χ^2/NDF: 822064.6/5

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

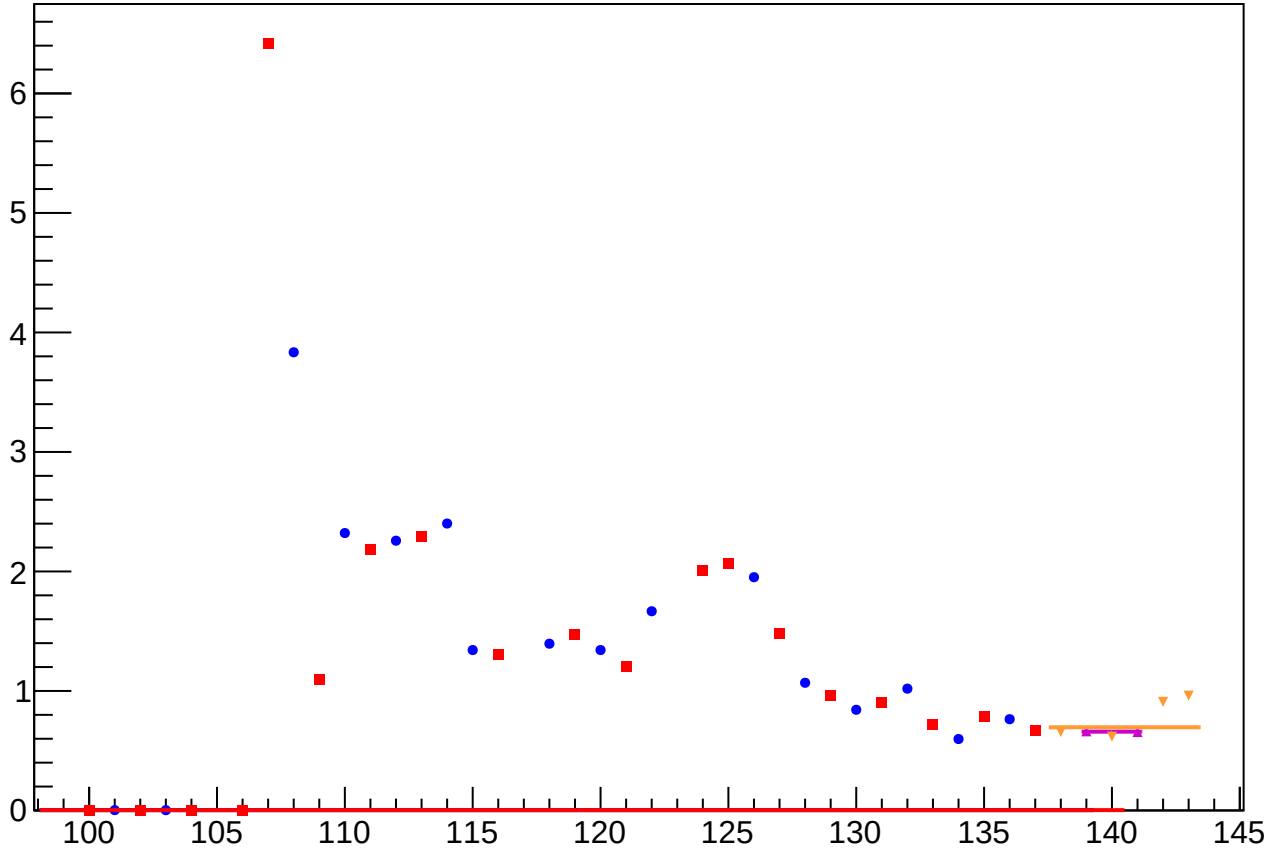
In: 0.003+/-0.000 χ^2/NDF:12385481.6/17

Out: 0.003+/-0.000 χ^2/NDF:13965441.1/22

All: 0.003+/-0.000 χ^2/NDF: 26351067.3/40


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
105
110
115
120
125
130
135
140
145
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -62.265+/-0.000 χ²/NDF:2602359.4/3
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -62.601+/-0.001 χ²/NDF:9656.7/1
Left: -62.415+/-0.000 χ²/NDF: 2852326.4/5
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.139+/-0.000 χ²/NDF:345237941132.2/17
Out: 104.220+/-0.000 χ²/NDF:1257534054802166
All: 120.827+/-0.000 χ²/NDF: 13811847116

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.696+/-0.000 χ^2/NDF:145521.1/3

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: 0.680+/-0.000 χ^2/NDF: 151296.6/5

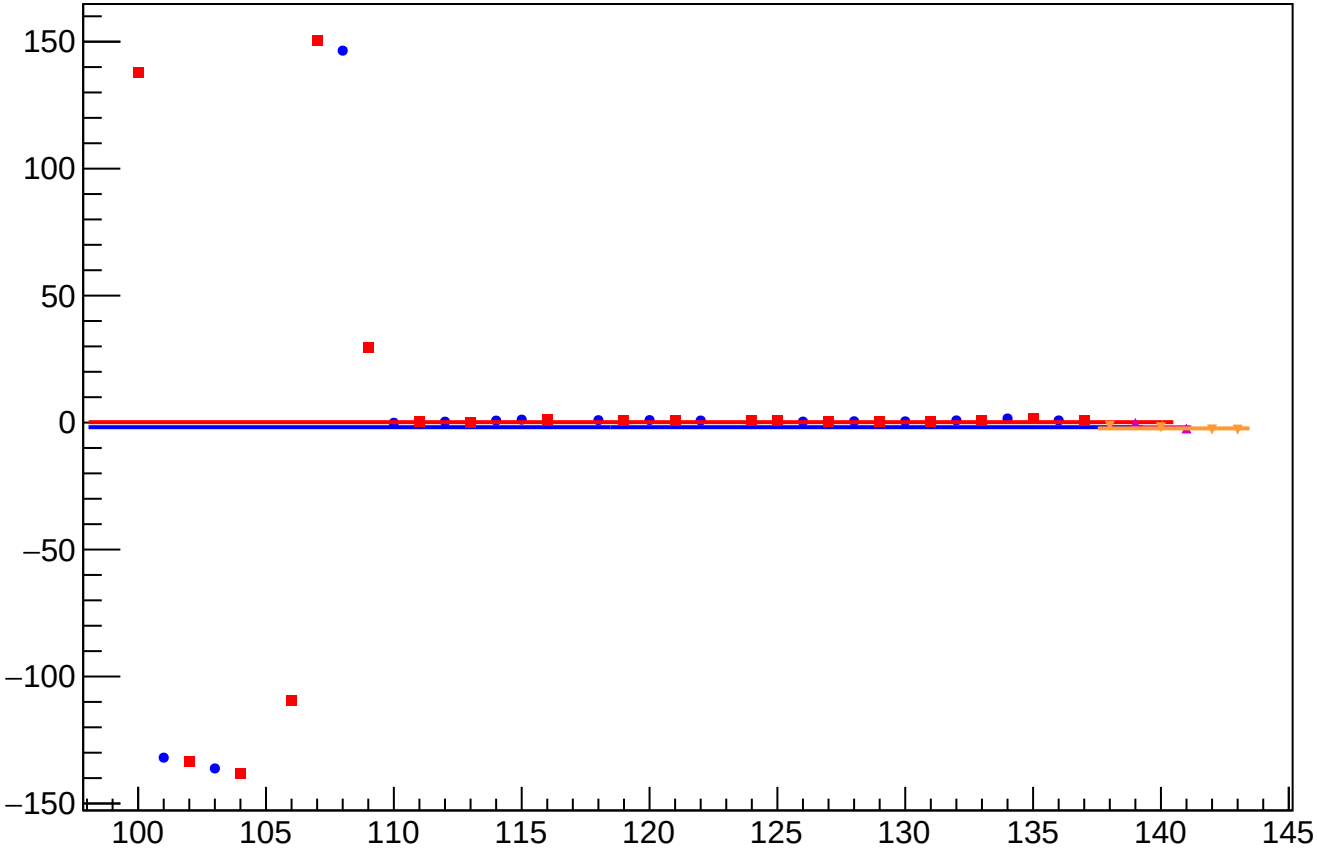
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:13888997.5/17

Out: 0.003+/-0.000 χ^2/NDF:14996577.0/22

All: 0.003+/-0.000 χ^2/NDF: 28885759.1/40

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -2.284+/-0.000 χ^2/NDF:2604918.4/3

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: -2.156+/-0.000 χ^2/NDF: 5834616.3/5

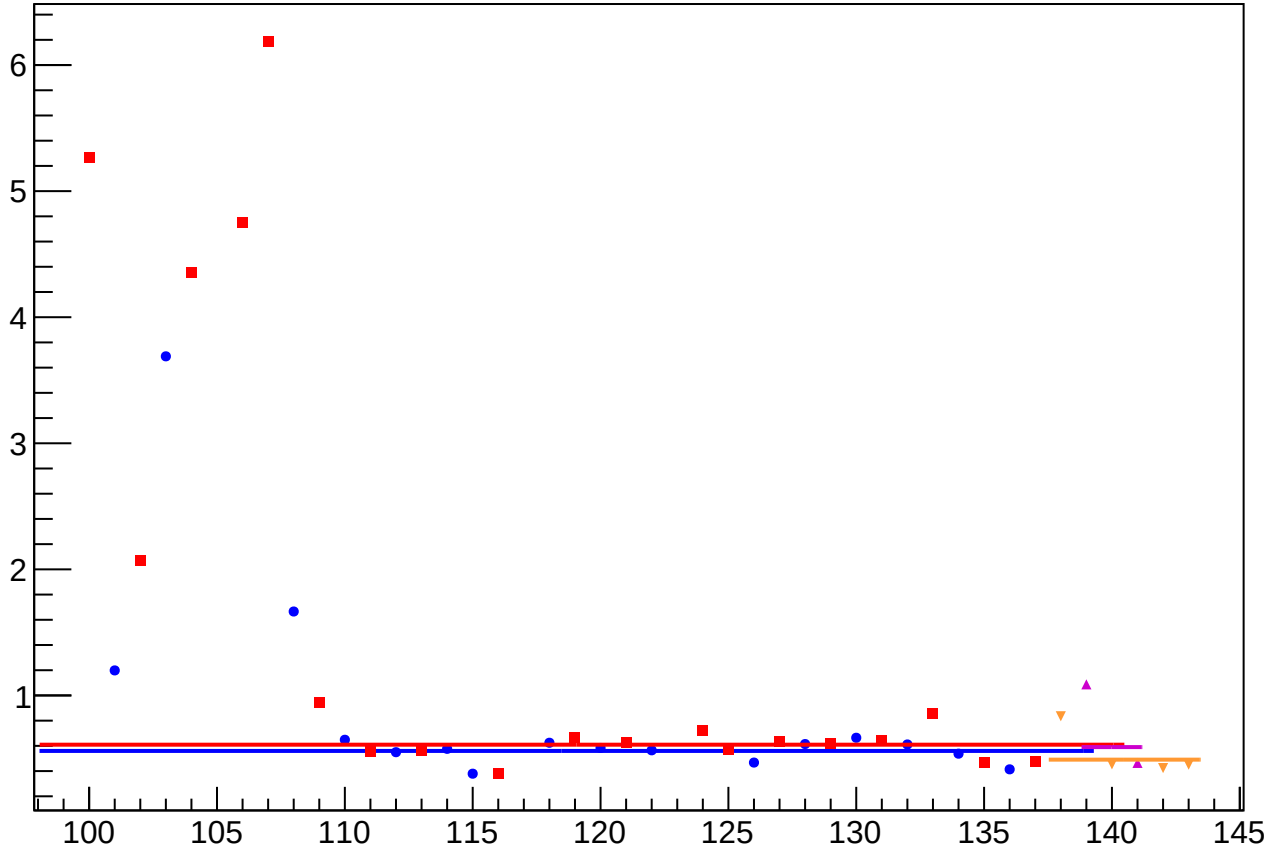
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.825+/-0.000 χ^2/NDF:9889965098.3/17

Out: -0.768+/-0.000 χ^2/NDF:3644425498.1/22

All: -1.272+/-0.000 χ^2/NDF: 13545892740.3/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.491+/-0.000 χ^2/NDF:258291.8/3

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: 0.521+/-0.000 χ^2/NDF: 747623.0/5

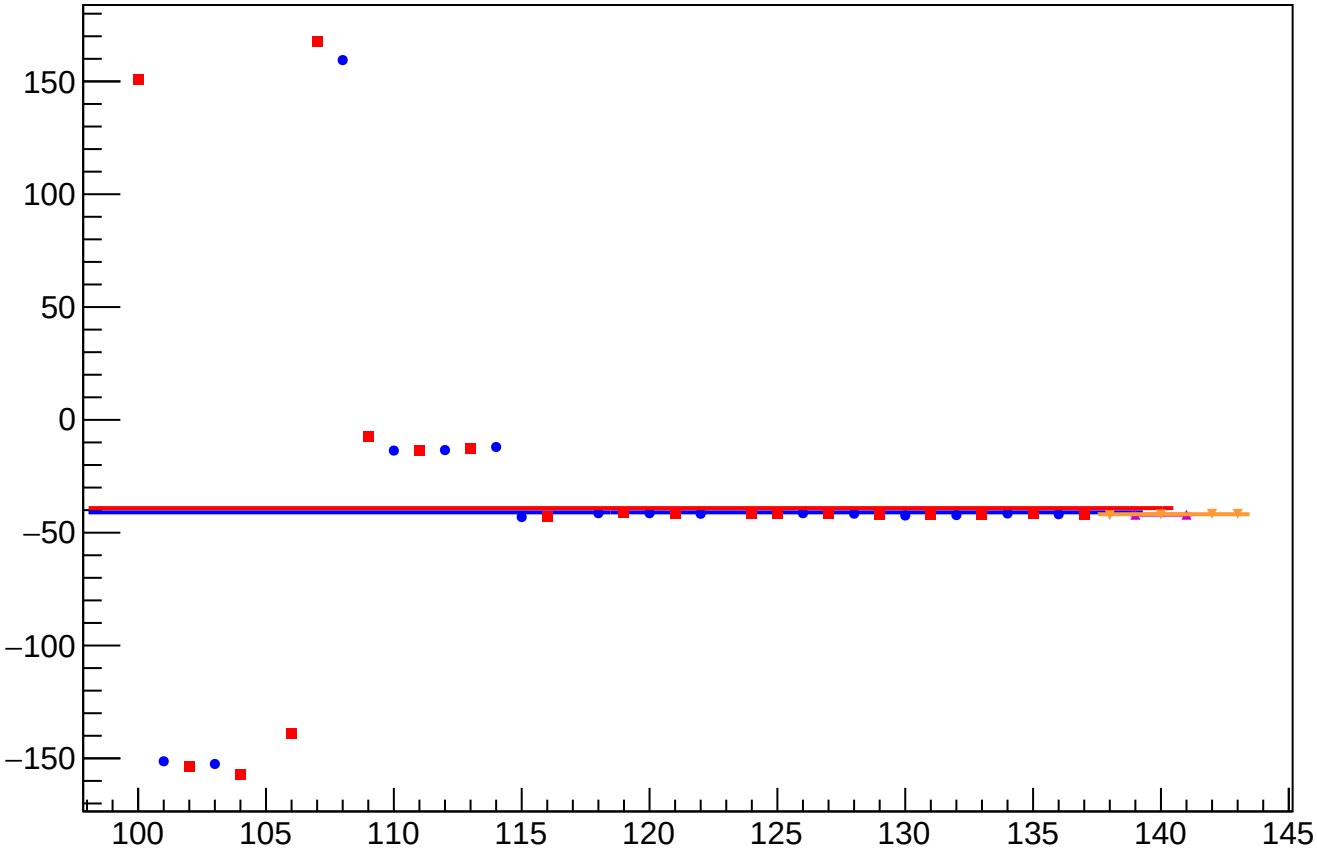
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.565+/-0.000 χ^2/NDF:2044139.7/17

Out: 0.564+/-0.000 χ^2/NDF:2877886.2/22

All: 0.565+/-0.000 χ^2/NDF: 4922053.4/40

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.809+/-0.000 χ^2/NDF:896567.8/3

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: -41.869+/-0.000 χ^2/NDF: 1122987.3/5

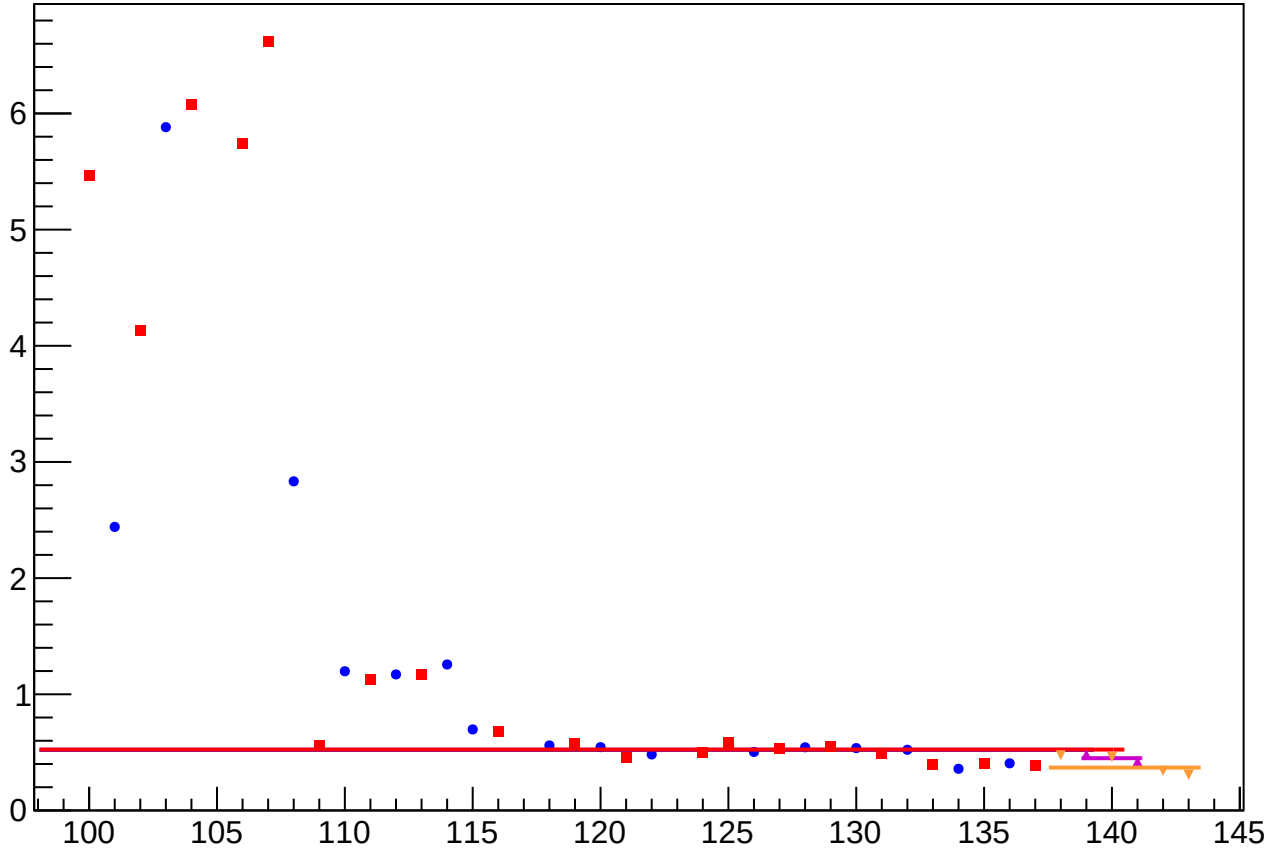
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.282+/-0.000 χ^2/NDF:3455216547.9/17

Out: -40.474+/-0.000 χ^2/NDF:2547595108.5/22

All: -40.810+/-0.000 χ^2/NDF: 6012665506.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.369+/-0.000 χ^2/NDF:195658.8/3

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: 0.392+/-0.000 χ^2/NDF: 278528.9/5

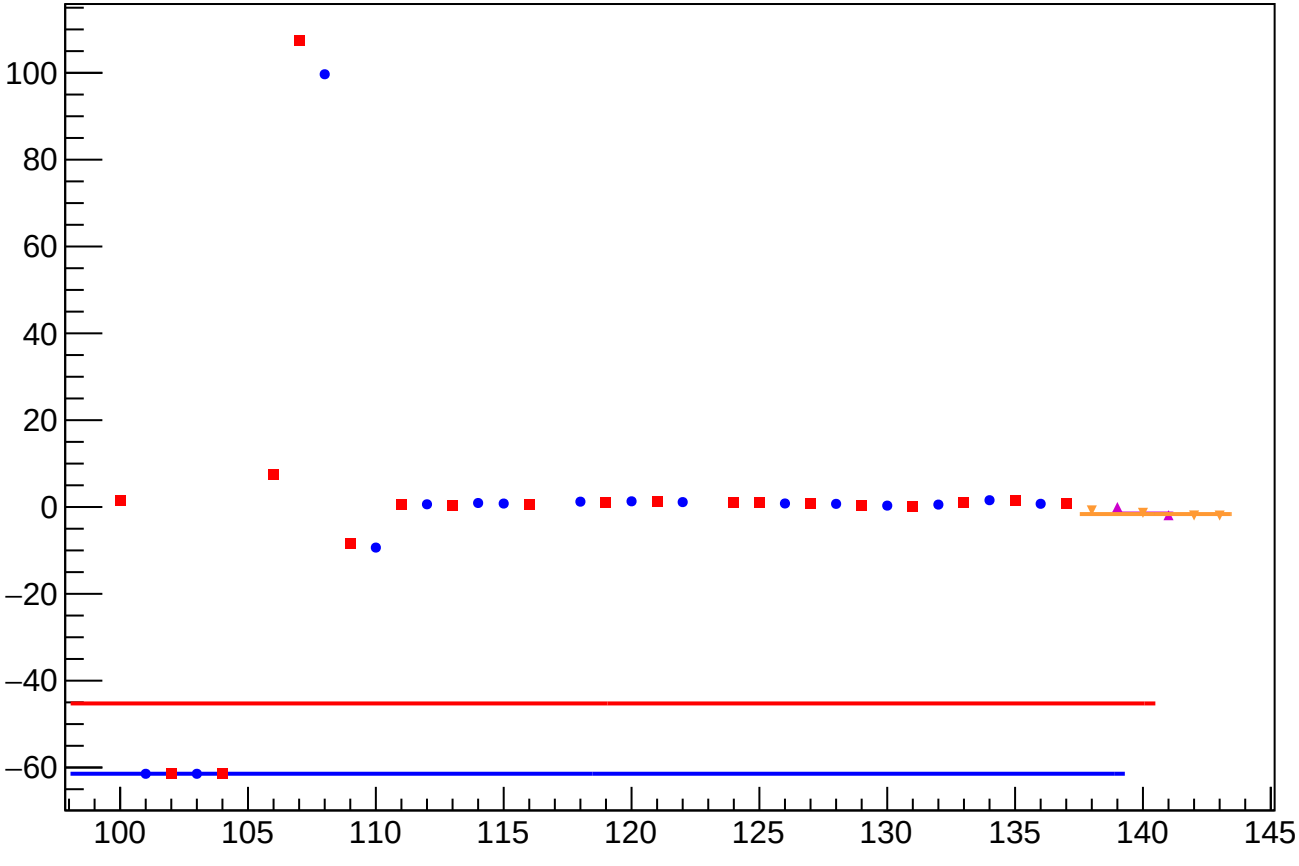
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.501+/-0.000 χ^2/NDF:3017767.5/17

Out: 0.445+/-0.000 χ^2/NDF:3897185.8/22

All: 0.469+/-0.000 χ^2/NDF: 7009828.2/40

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.626+/-0.000 χ^2/NDF:1969582.3/3

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: -1.588+/-0.000 χ^2/NDF: 4914626.9/5

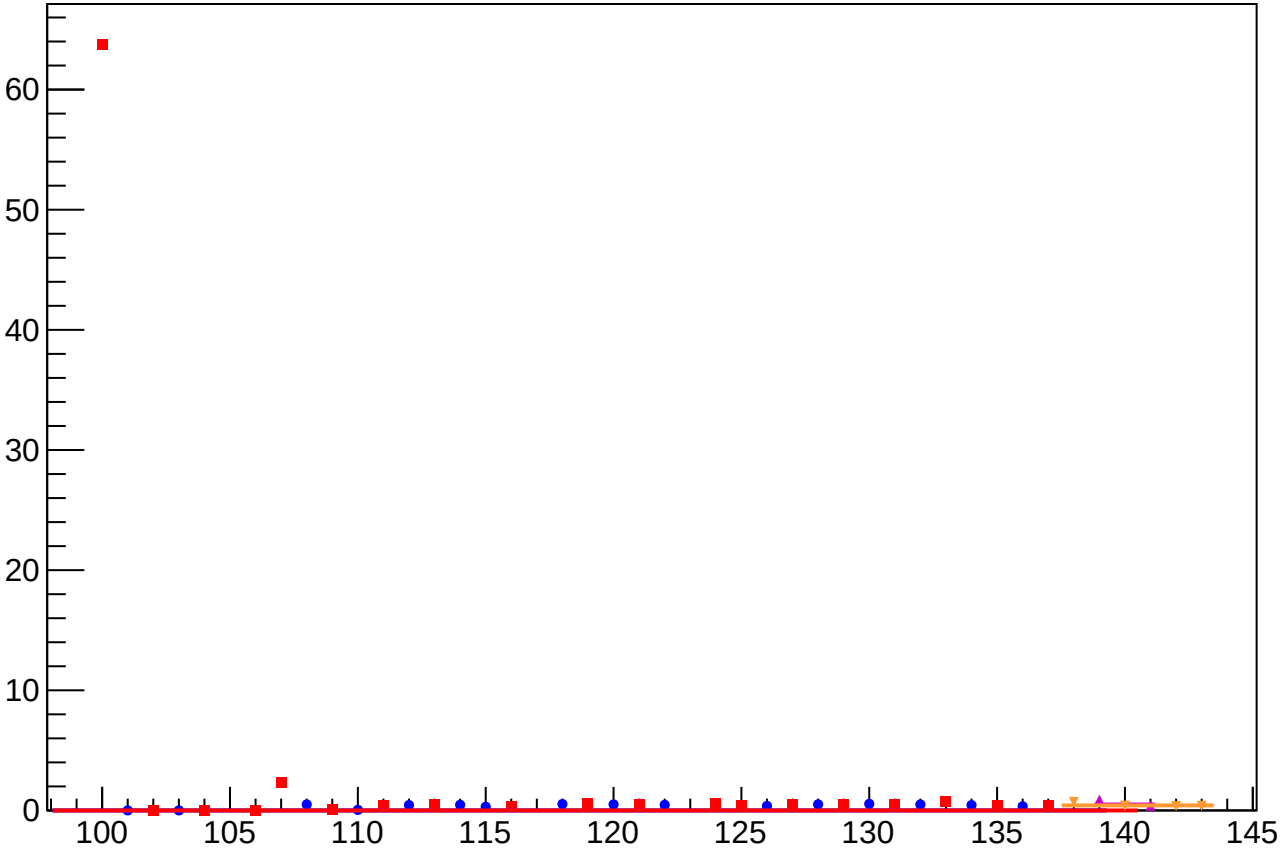
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.435+/-0.000 χ^2/NDF:291580109558.7/17

Out: -45.244+/-0.000 χ^2/NDF:357891947804466.5

All: -52.748+/-0.000 χ^2/NDF: 409164838014

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.421+/-0.000 χ^2/NDF:254819.5/3

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: 0.444+/-0.000 χ^2/NDF: 725600.8/5

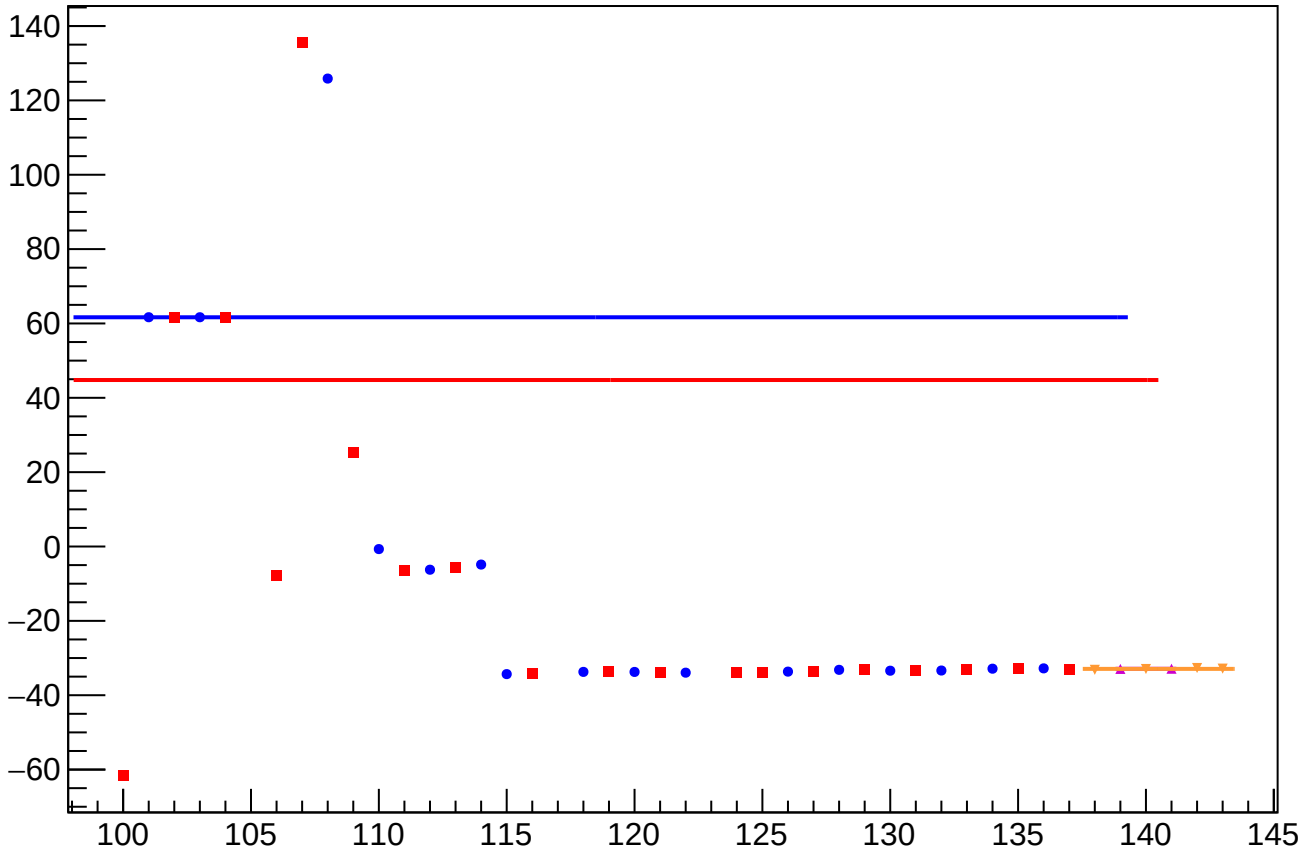
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:12042788.3/17

Out: 0.001+/-0.000 χ^2/NDF:13597619.6/22

All: 0.001+/-0.000 χ^2/NDF: 25640409.6/40

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.916+/-0.000 χ^2/NDF:746967.5/3

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: -32.907+/-0.000 χ^2/NDF: 764878.6/5

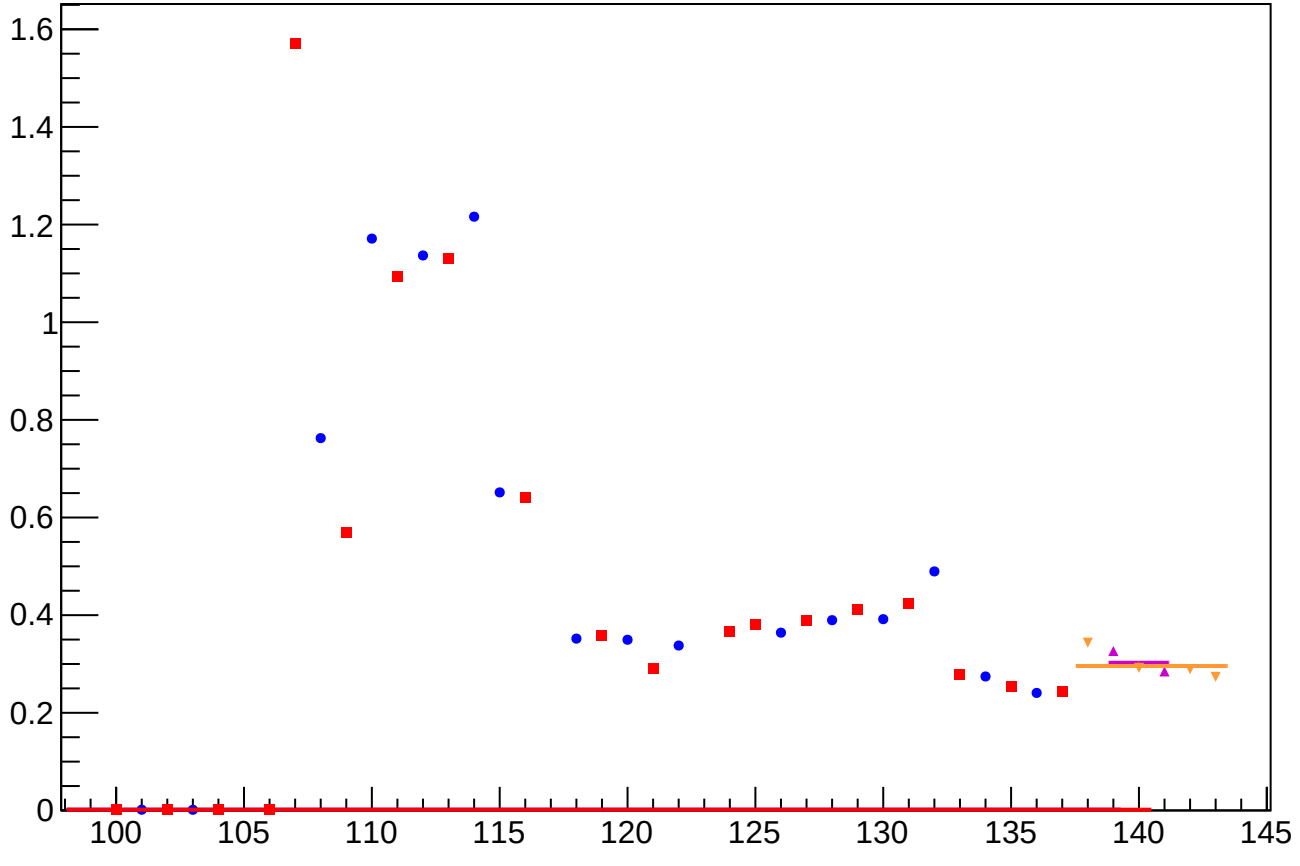
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.657+/-0.000 χ^2/NDF:530633519387.2/17

Out: 44.779+/-0.000 χ^2/NDF:366281923660023.3

All: 52.683+/-0.000 χ^2/NDF: 417927263799

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.296+/-0.000 χ^2/NDF:39673.3/3

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: 0.298+/-0.000 χ^2/NDF: 56101.0/5

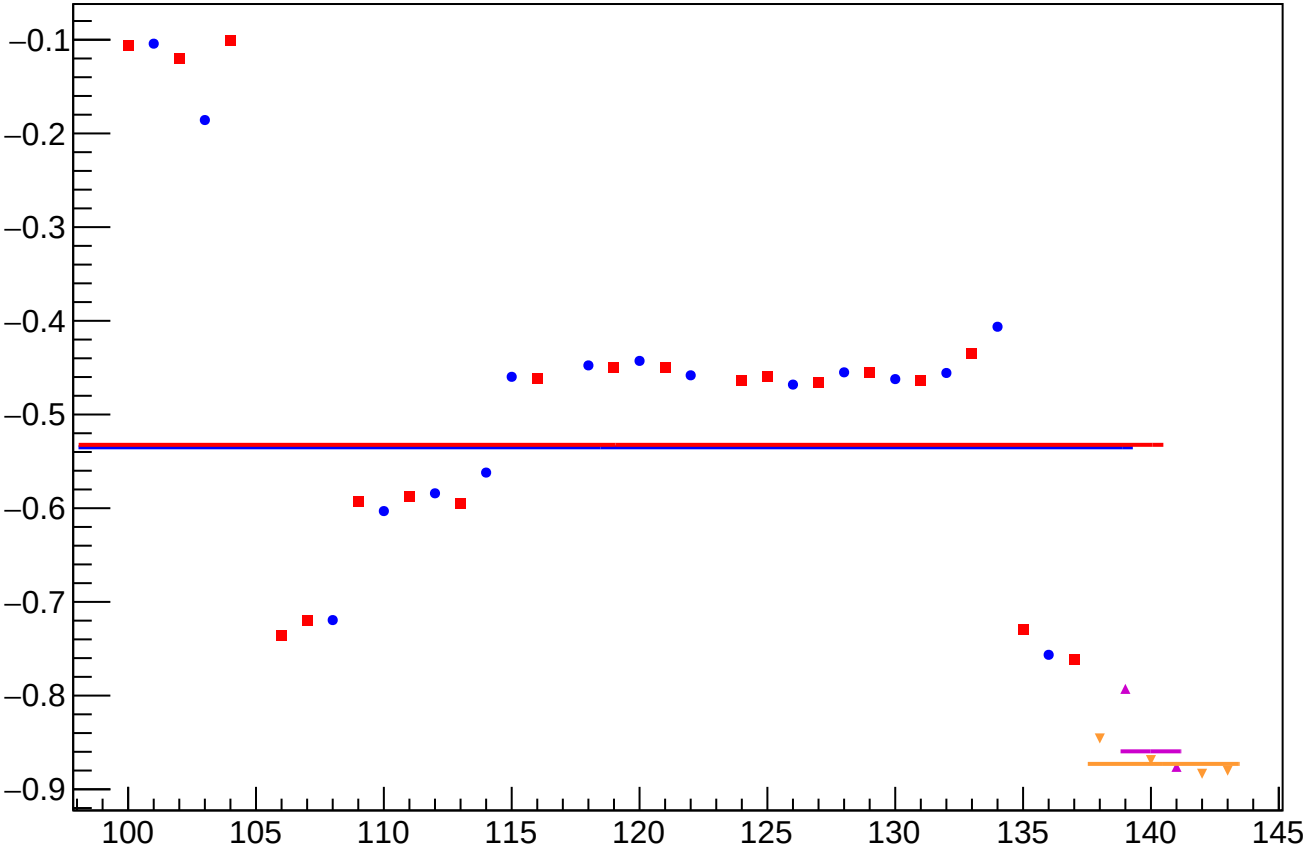
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:14306899.3/17

Out: 0.002+/-0.000 χ^2/NDF:15967906.6/22

All: 0.002+/-0.000 χ^2/NDF: 30275060.2/40

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.873+/-0.000 χ^2/NDF:835799.2/3

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: -0.869+/-0.000 χ^2/NDF: 4055699.4/5

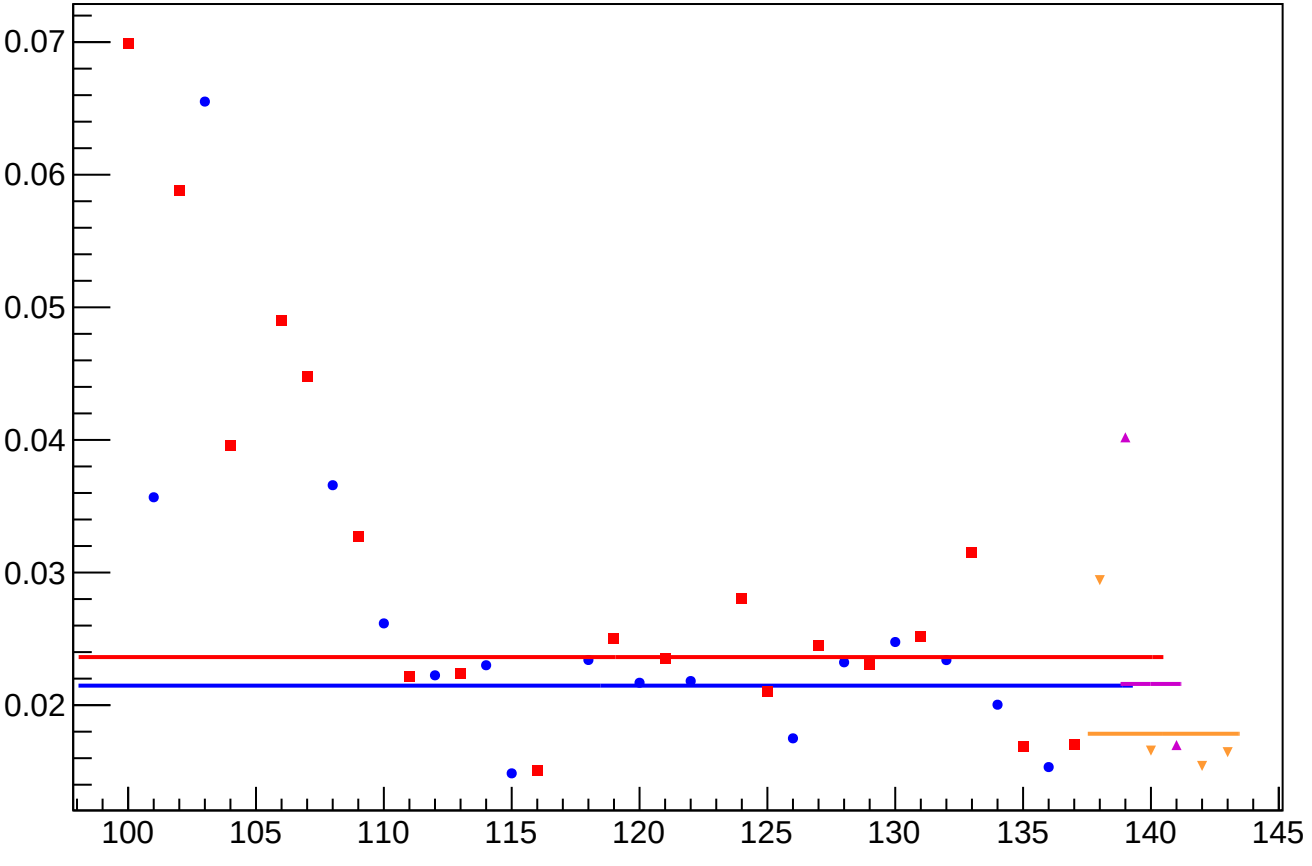
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.595+/-0.000 χ^2/NDF:529015108.9/17

Out: -0.663+/-0.000 χ^2/NDF:658951893.4/22

All: -0.631+/-0.000 χ^2/NDF: 1223112711.1/4

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:230196.0/3

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: 0.019+/-0.000 χ^2/NDF: 731603.5/5

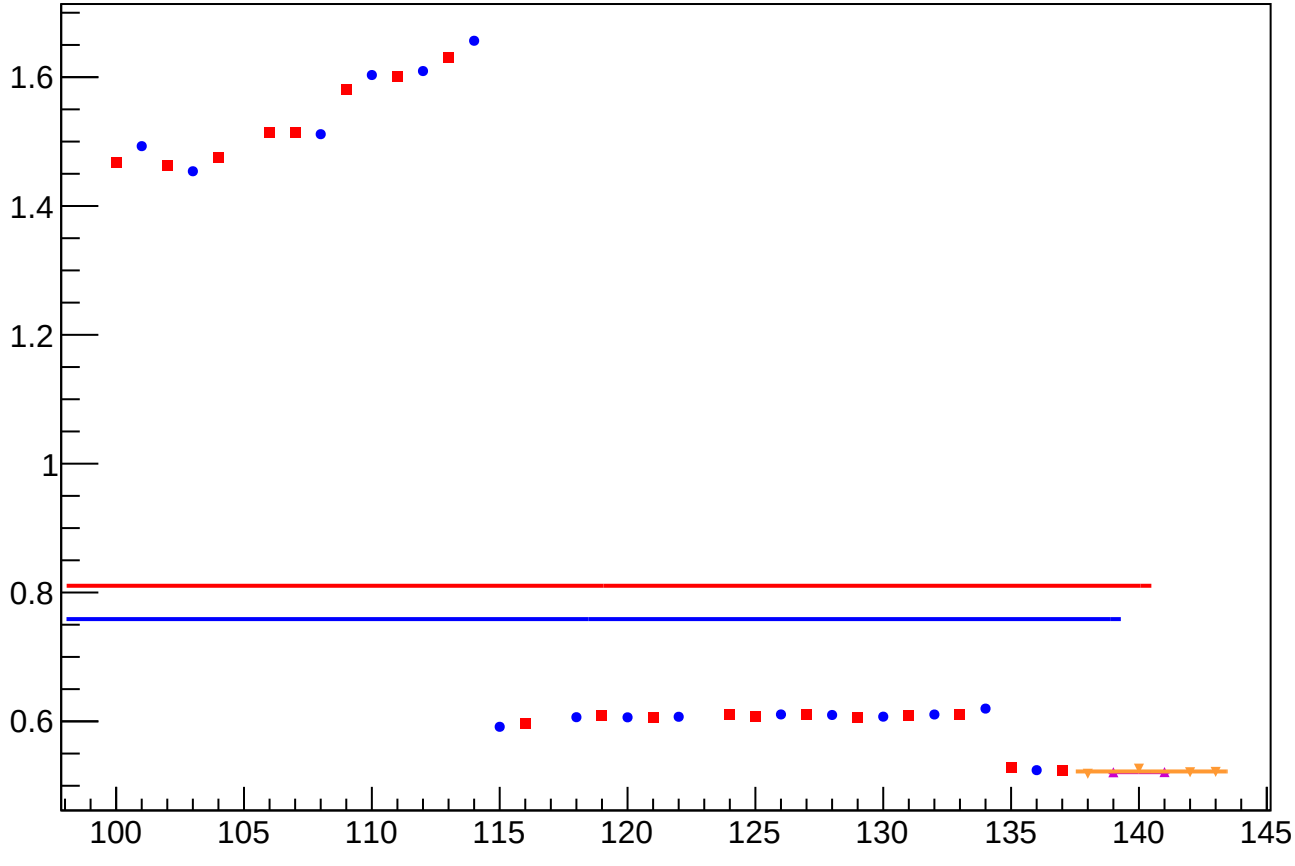
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1603460.0/17

Out: 0.021+/-0.000 χ^2/NDF:1763410.6/22

All: 0.021+/-0.000 χ^2/NDF: 3366979.2/40

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.522+/-0.000 χ^2/NDF:195549.2/3

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: 205200.0/5

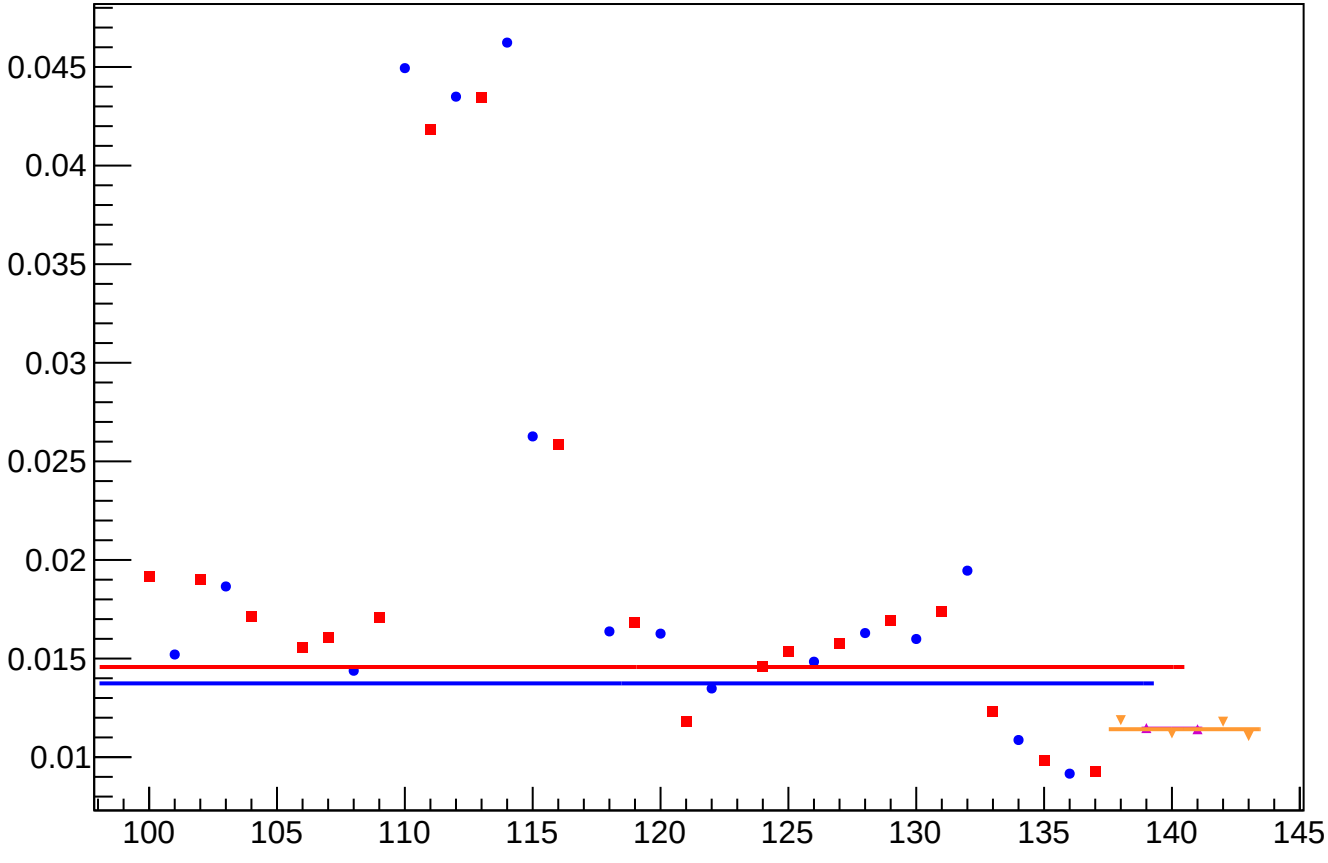
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.690+/-0.000 χ^2/NDF:4816865298.9/17

Out: 0.690+/-0.000 χ^2/NDF:5791267129.3/22

All: 0.690+/-0.000 χ^2/NDF: 10608137490.5/4

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:5233.7/3

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: 5270.0/5

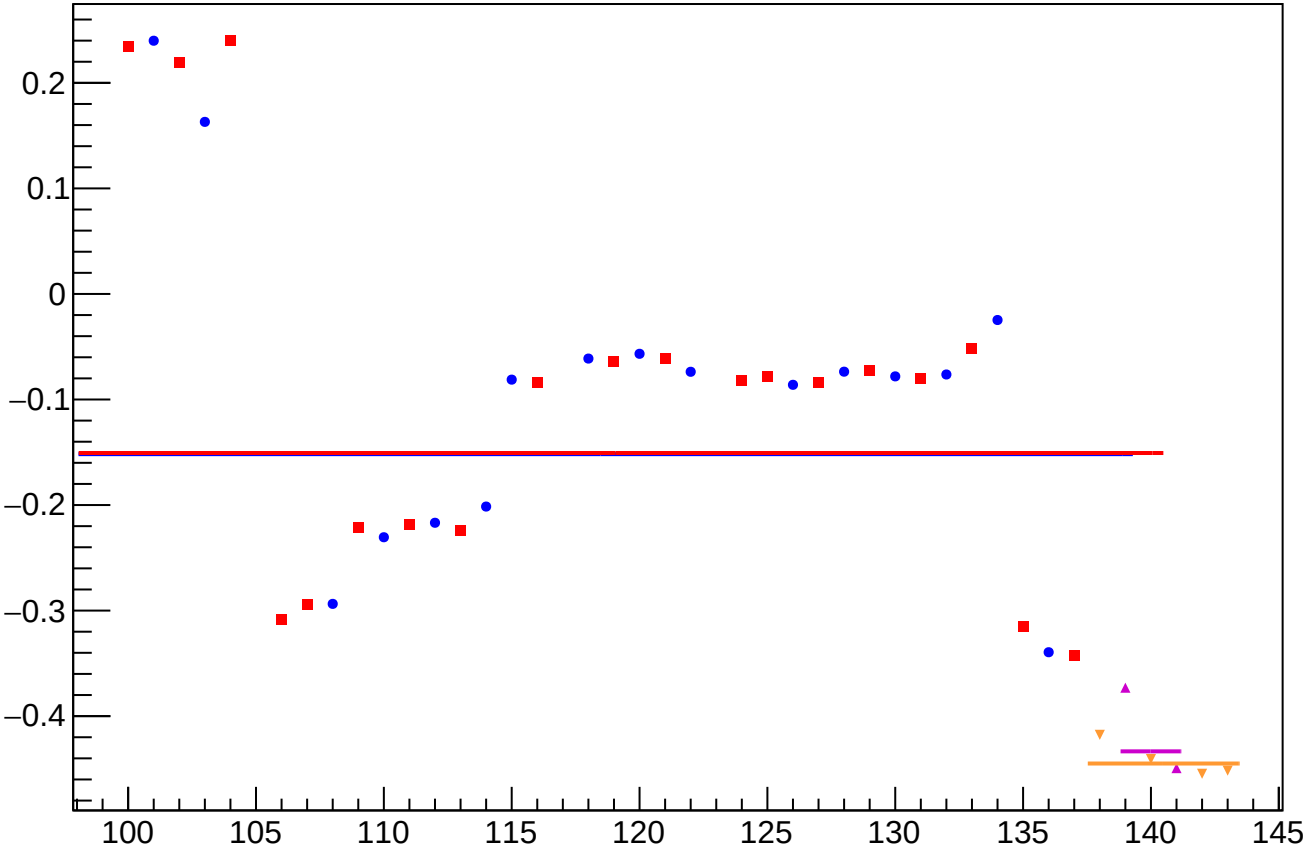
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:1745367.7/17

Out: 0.013+/-0.000 χ^2/NDF:1705024.0/22

All: 0.013+/-0.000 χ^2/NDF: 3451774.3/40

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.445+/-0.000 χ^2/NDF:887799.2/3

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: -0.441+/-0.000 χ^2/NDF: 4096630.2/5

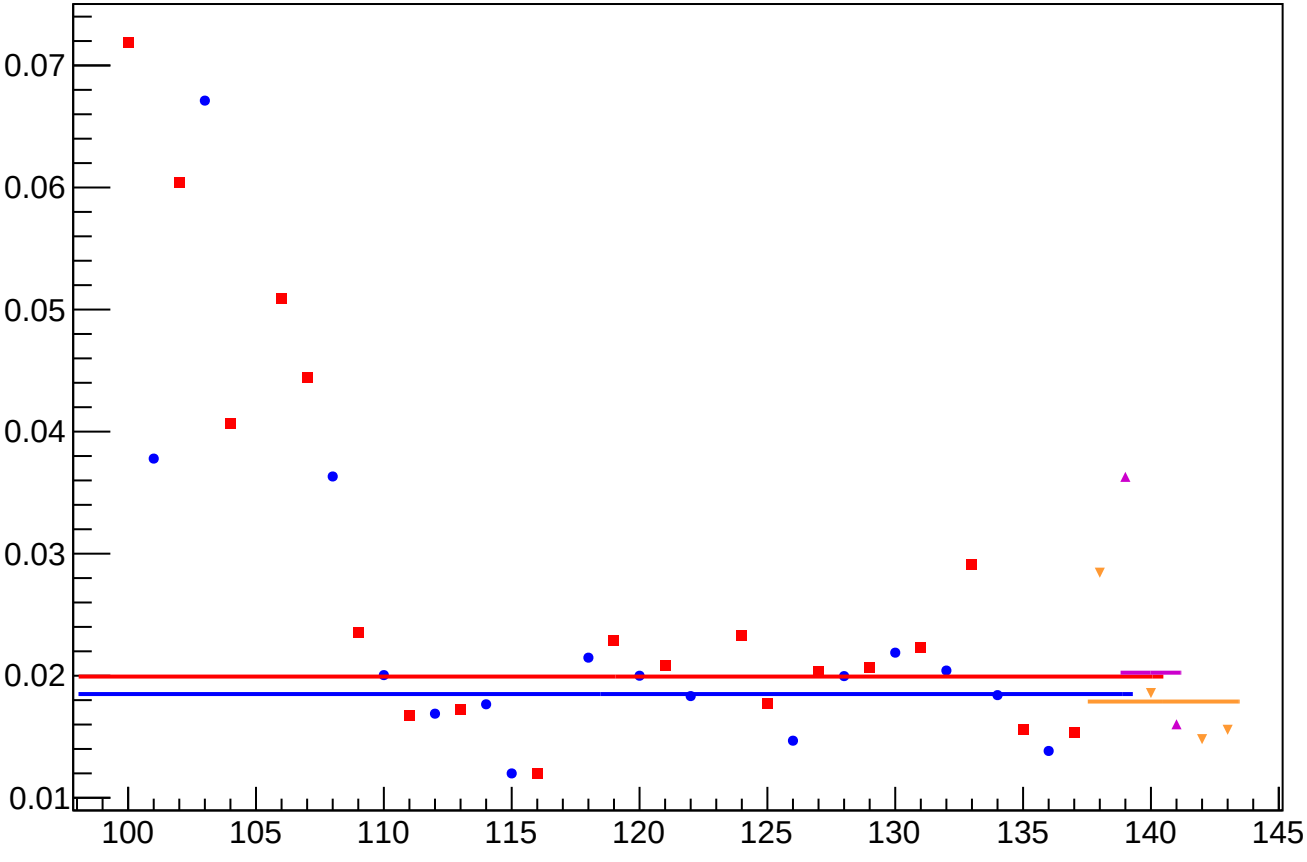
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.198+/-0.000 χ^2/NDF:482127009.8/17

Out: -0.245+/-0.000 χ^2/NDF:580969427.2/22

All: -0.223+/-0.000 χ^2/NDF: 1084098707.0/4

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:239145.4/3

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: 0.019+/-0.000 χ^2/NDF: 677350.4/5

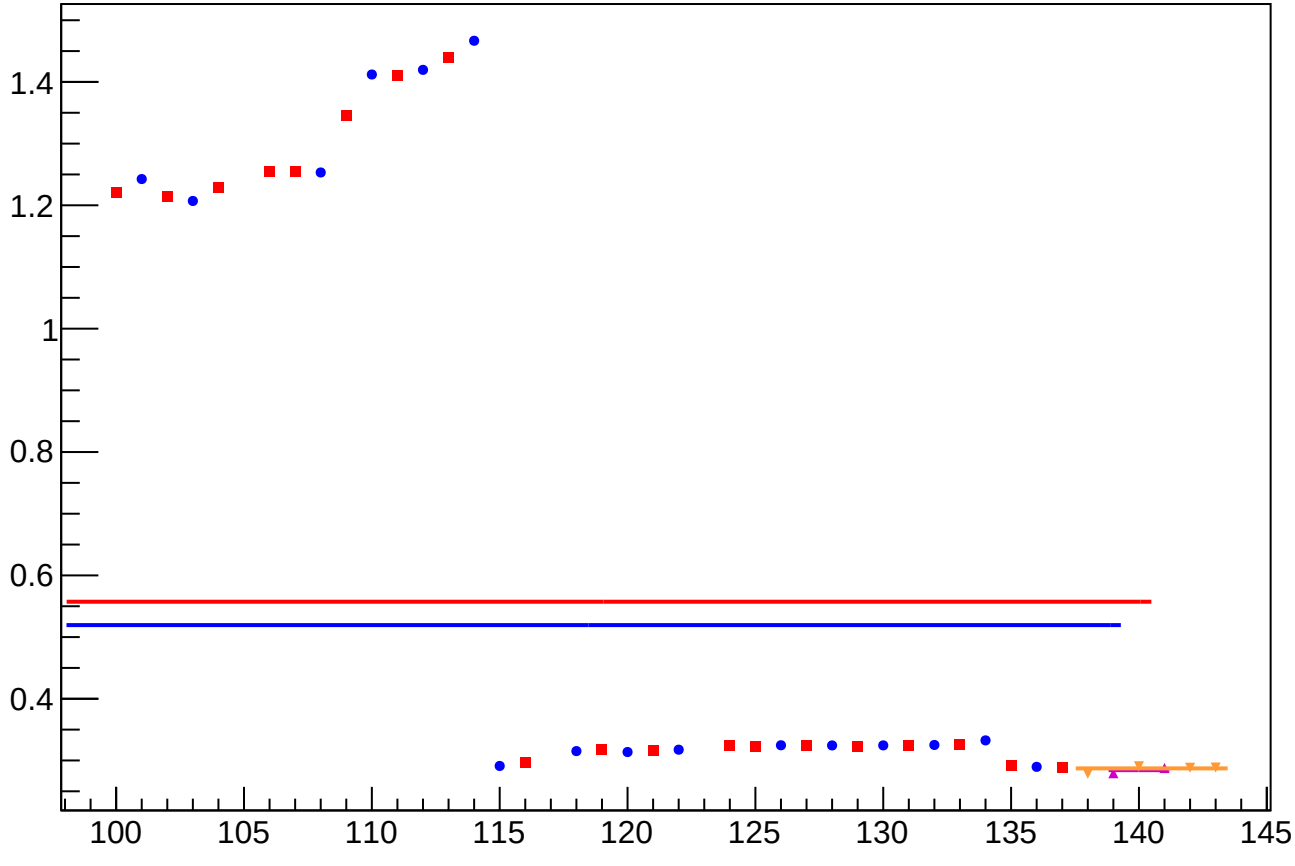
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1802981.2/17

Out: 0.019+/-0.000 χ^2/NDF:1823549.2/22

All: 0.019+/-0.000 χ^2/NDF: 3631089.4/40

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.287+/-0.000 χ^2/NDF:404054.8/3

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: 0.286+/-0.000 χ^2/NDF: 695458.9/5

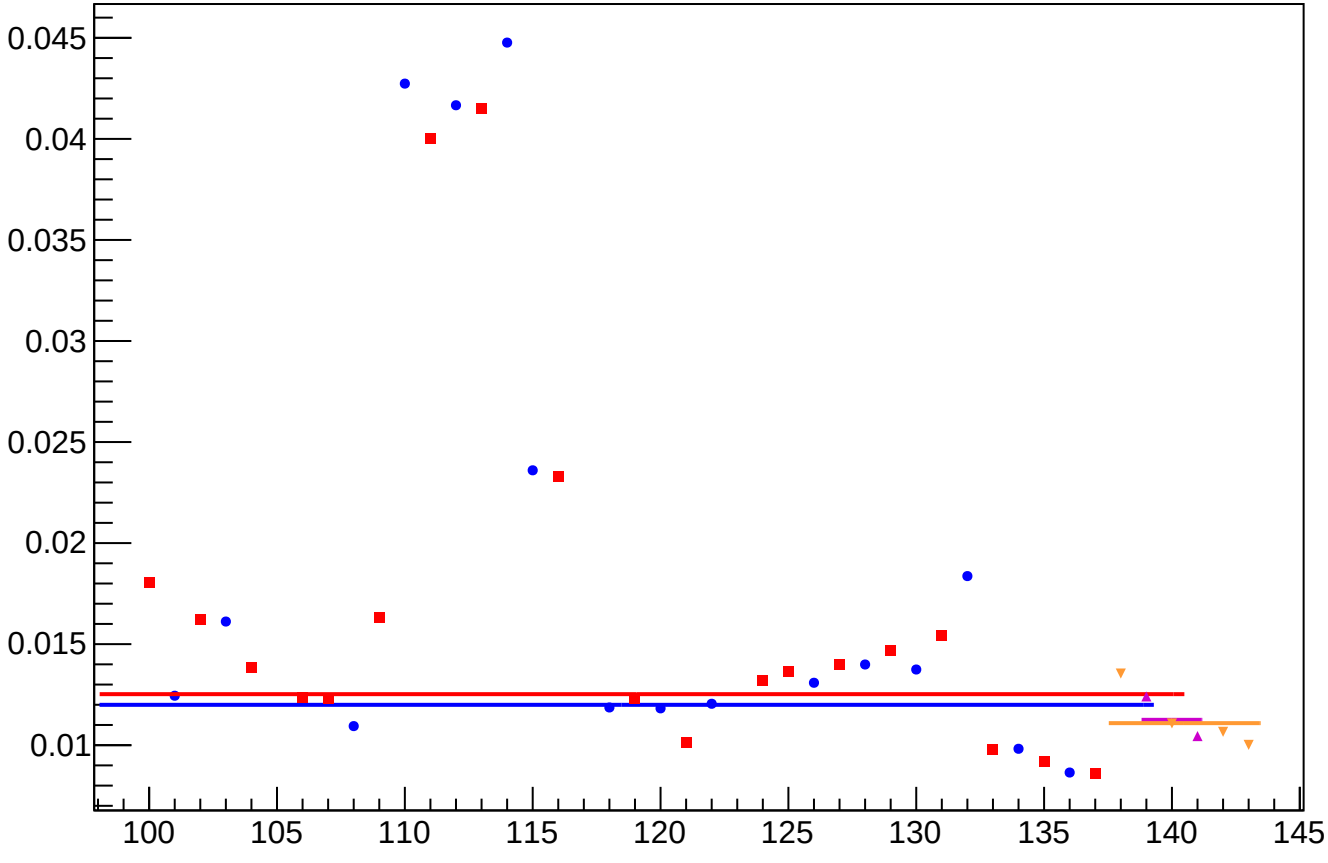
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.463+/-0.000 χ^2/NDF:6865313680.1/17

Out: 0.460+/-0.000 χ^2/NDF:7772222553.7/22

All: 0.462+/-0.000 χ^2/NDF: 14637849145.6/4

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:68167.9/3

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: 0.011+/-0.000 χ^2/NDF: 92738.6/5

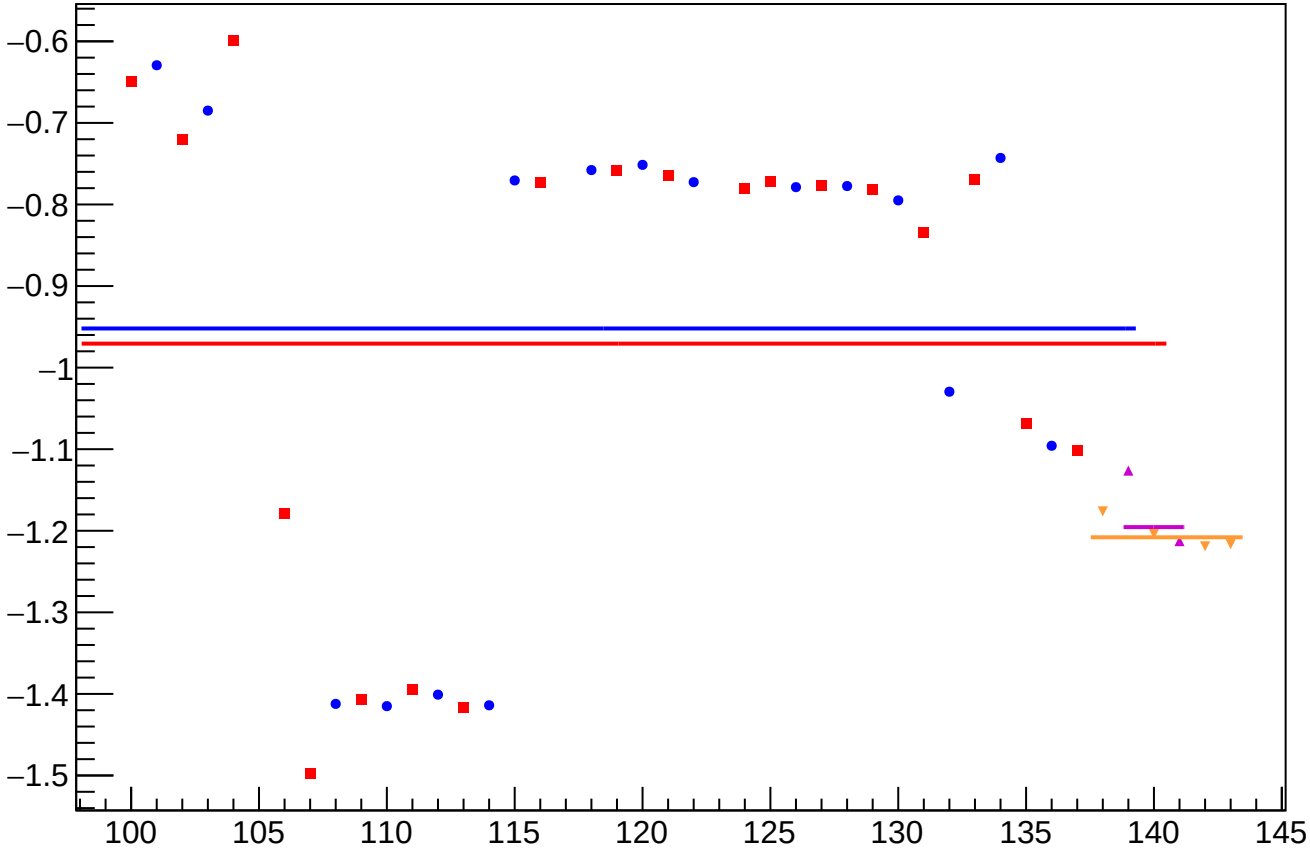
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1526632.5/17

Out: 0.012+/-0.000 χ^2/NDF:1560201.5/22

All: 0.012+/-0.000 χ^2/NDF: 3088882.5/40

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.208+/-0.000 χ^2/NDF:1145949.5/3

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: -1.204+/-0.000 χ^2/NDF: 4716976.4/5

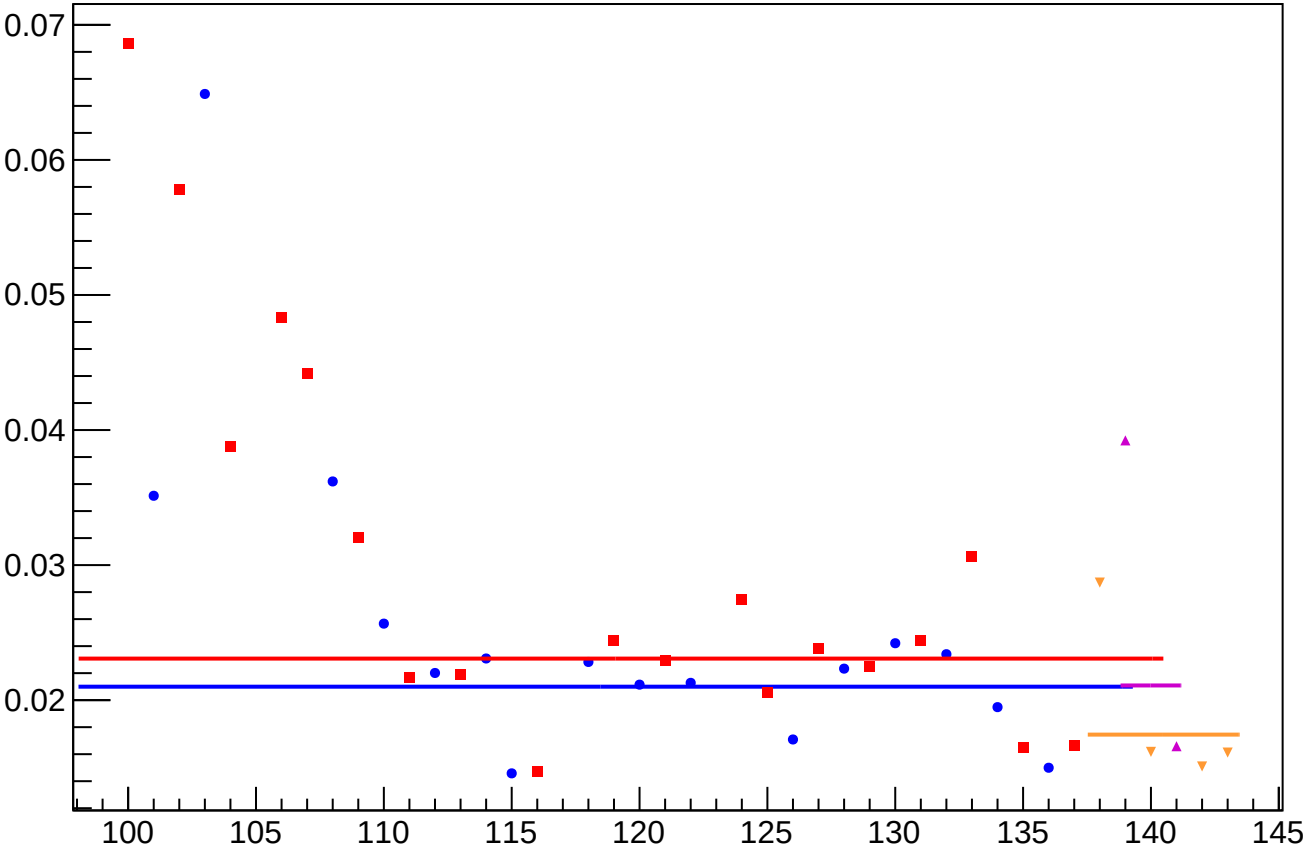
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -0.997+/-0.000 χ^2/NDF:835712933.5/17

Out: -1.062+/-0.000 χ^2/NDF:941440537.0/22

All: -1.031+/-0.000 χ^2/NDF: 1810335120.3/4

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.017+/-0.000 χ^2/NDF:228581.9/3

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.021+/-0.000 χ^2/NDF:449084.1/1

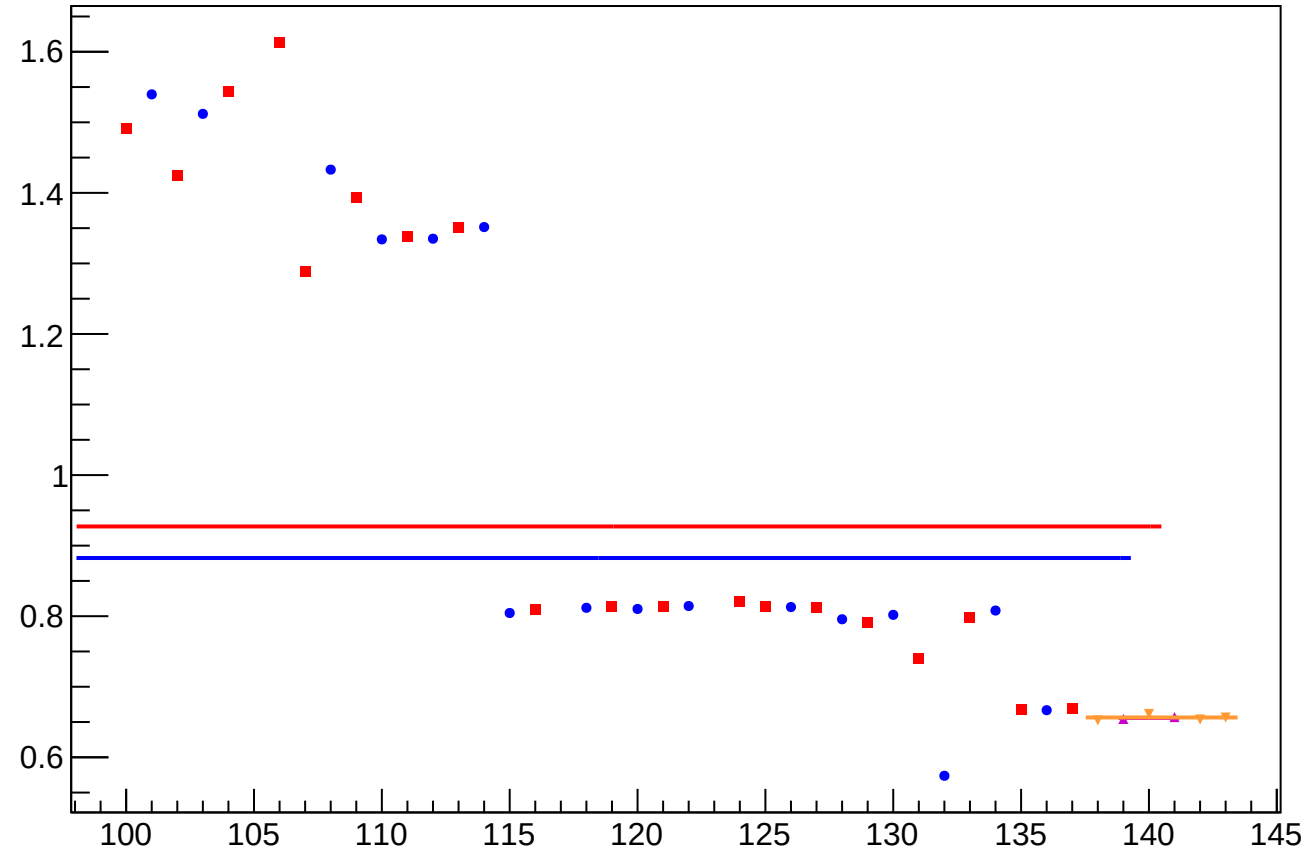
Left: 0.019+/-0.000 χ^2/NDF: 728875.0/5

Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.021+/-0.000 χ^2/NDF:1616114.1/17

Out: 0.021+/-0.000 χ^2/NDF:1763710.9/22

All: 0.021+/-0.000 χ^2/NDF: 3379974.4/40



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.656+/-0.000 χ^2/NDF:275038.1/3

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: 301674.2/5

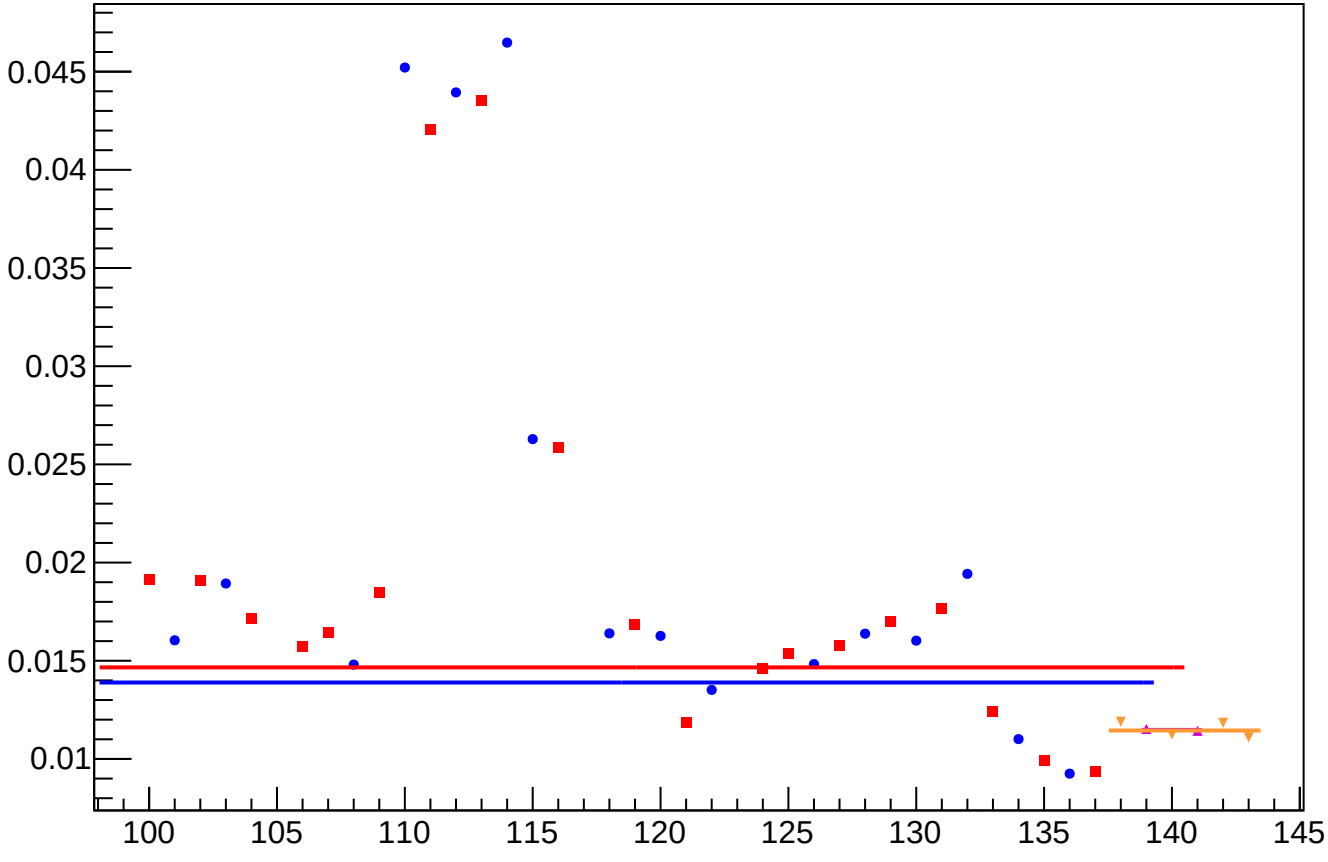
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.816+/-0.000 χ^2/NDF:3245658188.1/17

Out: 0.813+/-0.000 χ^2/NDF:3655126213.5/22

All: 0.815+/-0.000 χ^2/NDF: 6901014458.7/40

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:5146.3/3

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: 0.011+/-0.000 χ^2/NDF: 5216.9/5

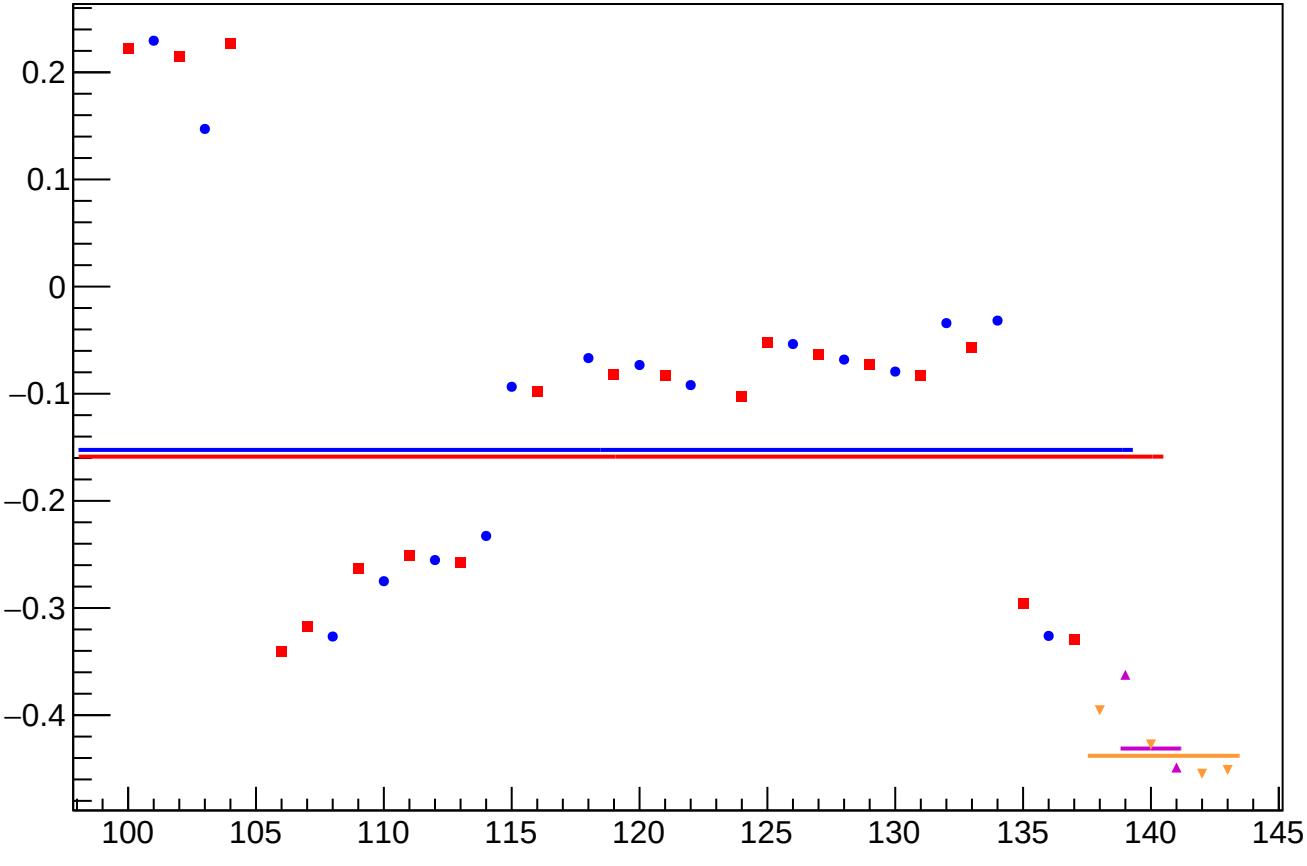
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:1751318.4/17

Out: 0.013+/-0.000 χ^2/NDF:1723589.1/22

All: 0.013+/-0.000 χ^2/NDF: 3475590.7/40

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.438+/-0.000 χ^2/NDF:2500992.2/3

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: -0.436+/-0.000 χ^2/NDF: 6295455.4/5

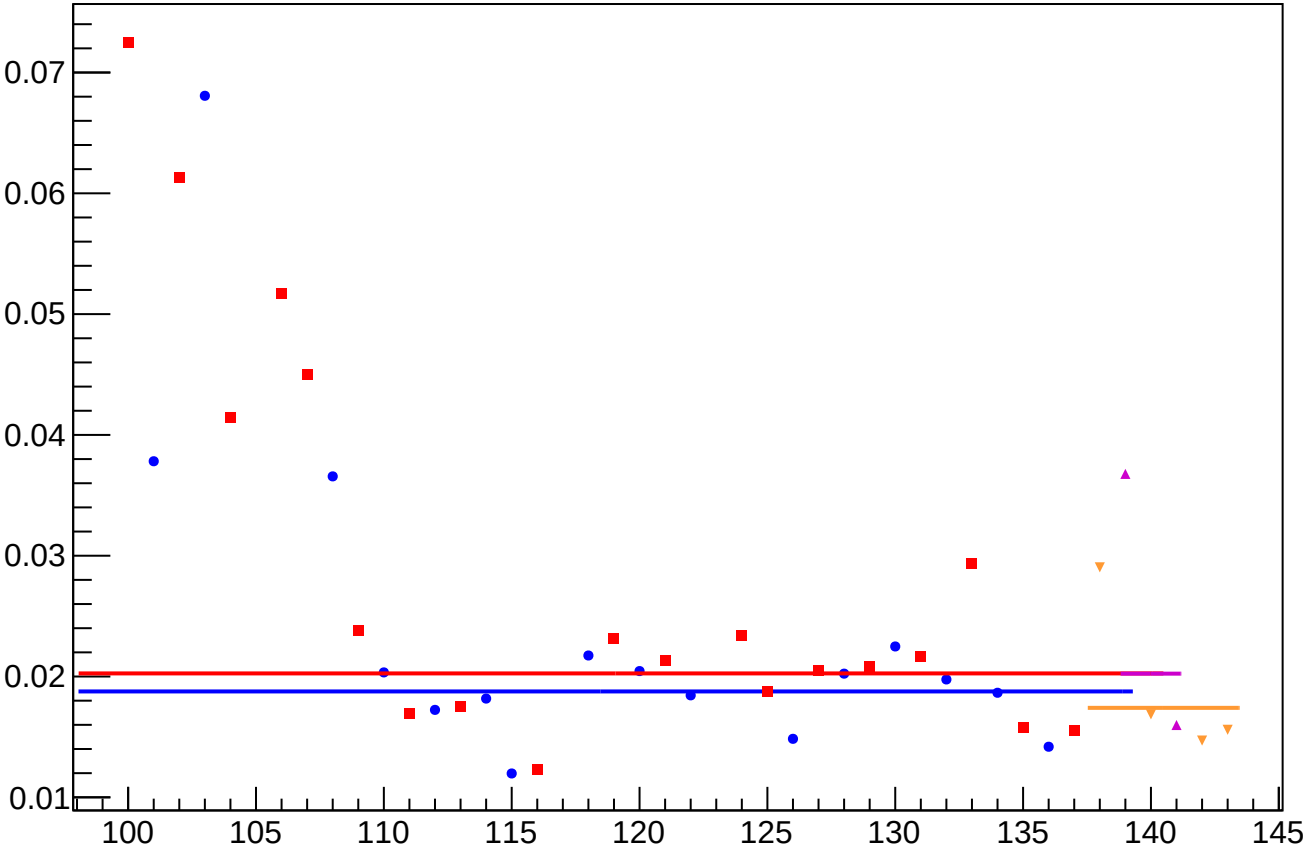
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.199+/-0.000 χ^2/NDF:473997320.3/17

Out: -0.252+/-0.000 χ^2/NDF:545176033.4/22

All: -0.227+/-0.000 χ^2/NDF: 1045851904.0/4

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.017+/-0.000 χ^2/NDF:255243.7/3

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: 0.018+/-0.000 χ^2/NDF: 715269.0/5

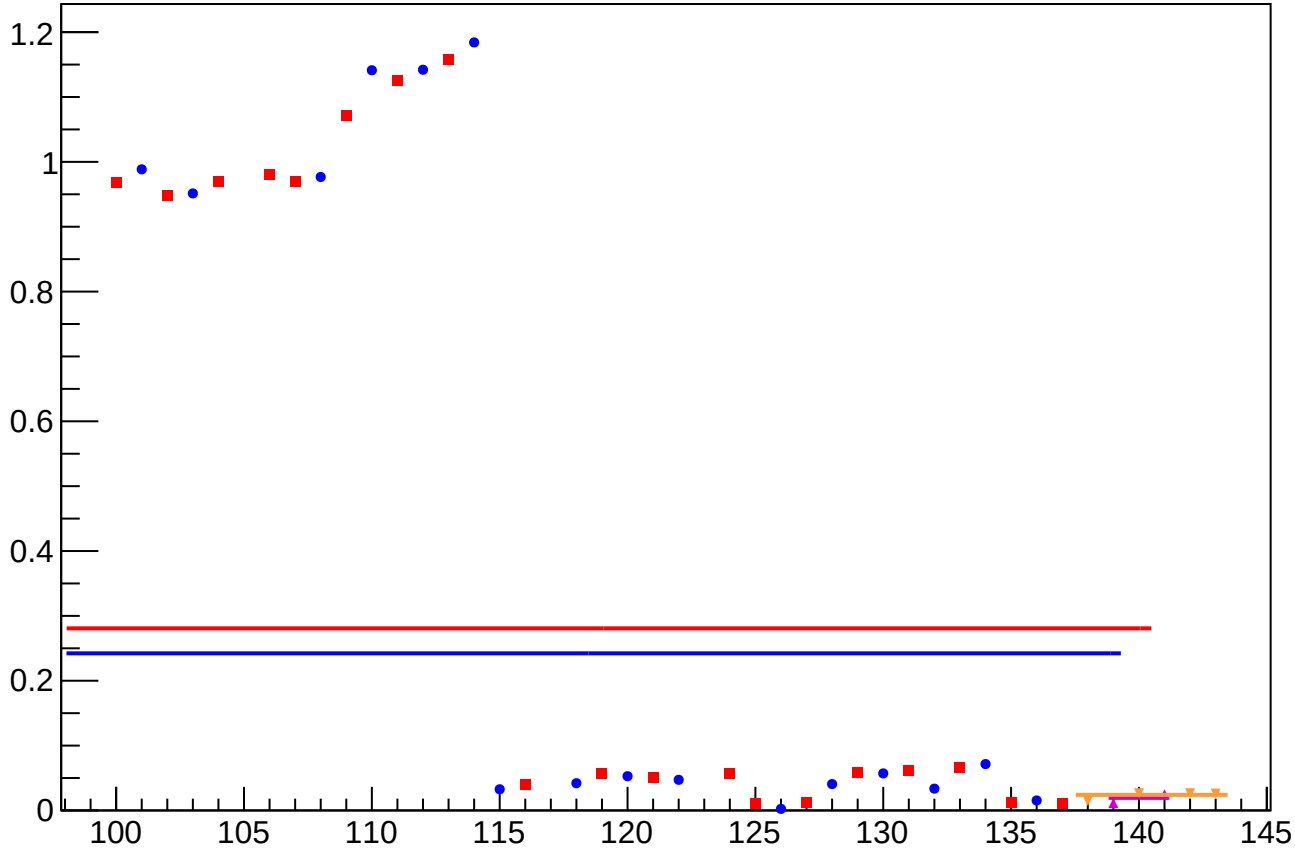
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1786902.6/17

Out: 0.019+/-0.000 χ^2/NDF:1857226.3/22

All: 0.019+/-0.000 χ^2/NDF: 3645699.1/40

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.024+/-0.000 χ^2/NDF:483876.1/3

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: 0.022+/-0.000 χ^2/NDF: 1260302.5/5

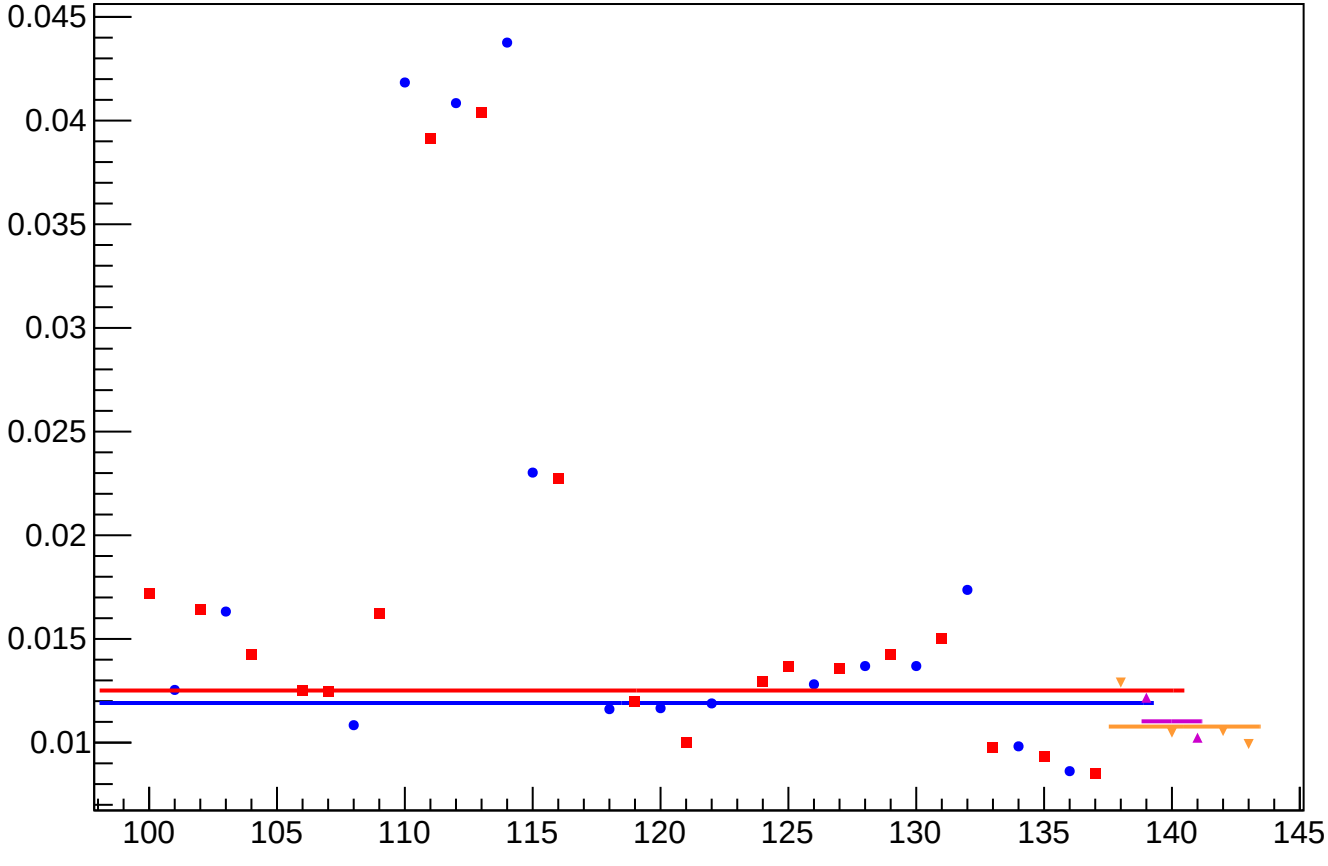
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.188+/-0.000 χ^2/NDF:7015711740.7/17

Out: 0.185+/-0.000 χ^2/NDF:7720365653.6/22

All: 0.187+/-0.000 χ^2/NDF: 14736350490.6/4

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:52975.8/3

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: 78341.7/5

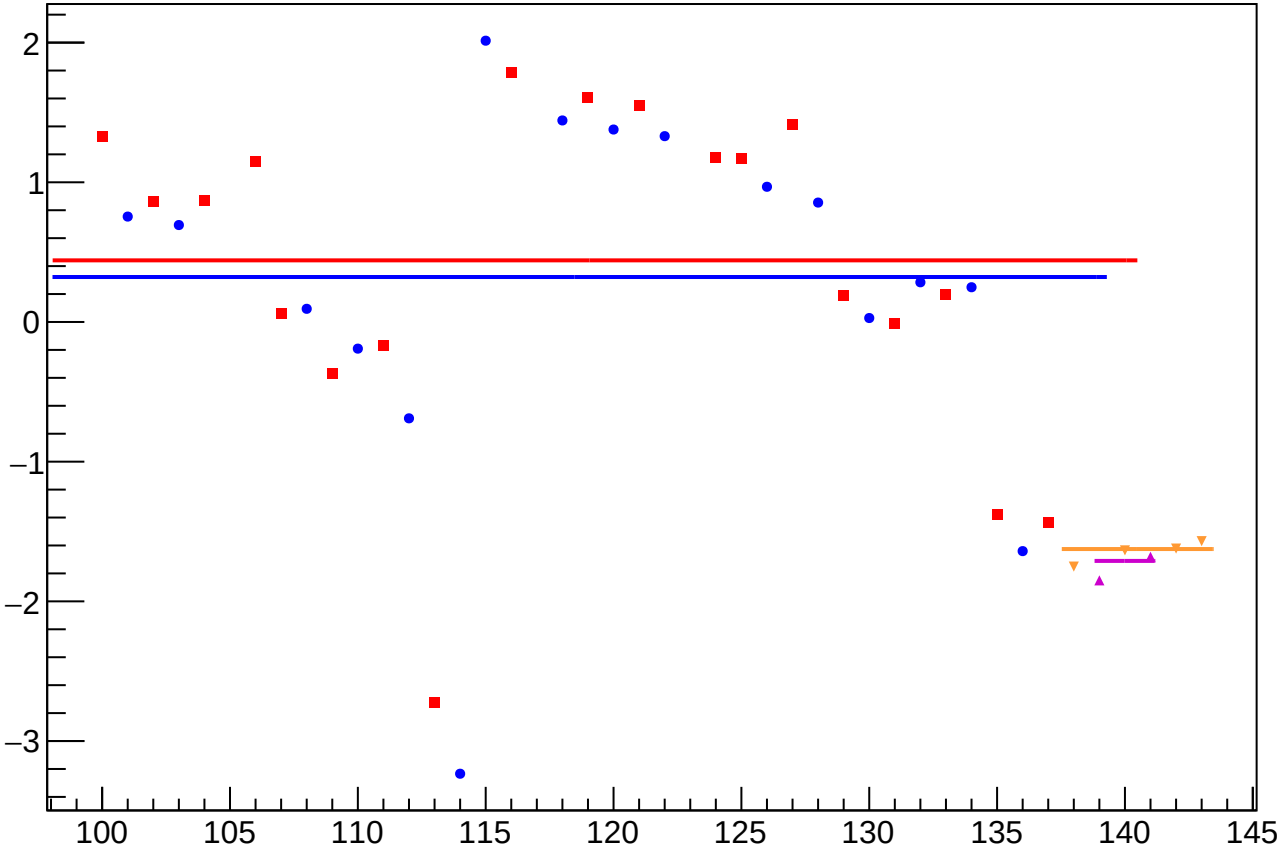
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1499646.9/17

Out: 0.012+/-0.000 χ^2/NDF:1533704.1/22

All: 0.012+/-0.000 χ^2/NDF: 3035028.4/40

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.626+/-0.000 χ^2/NDF:1013894.1/3

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: -1.653+/-0.000 χ^2/NDF: 2484214.8/5

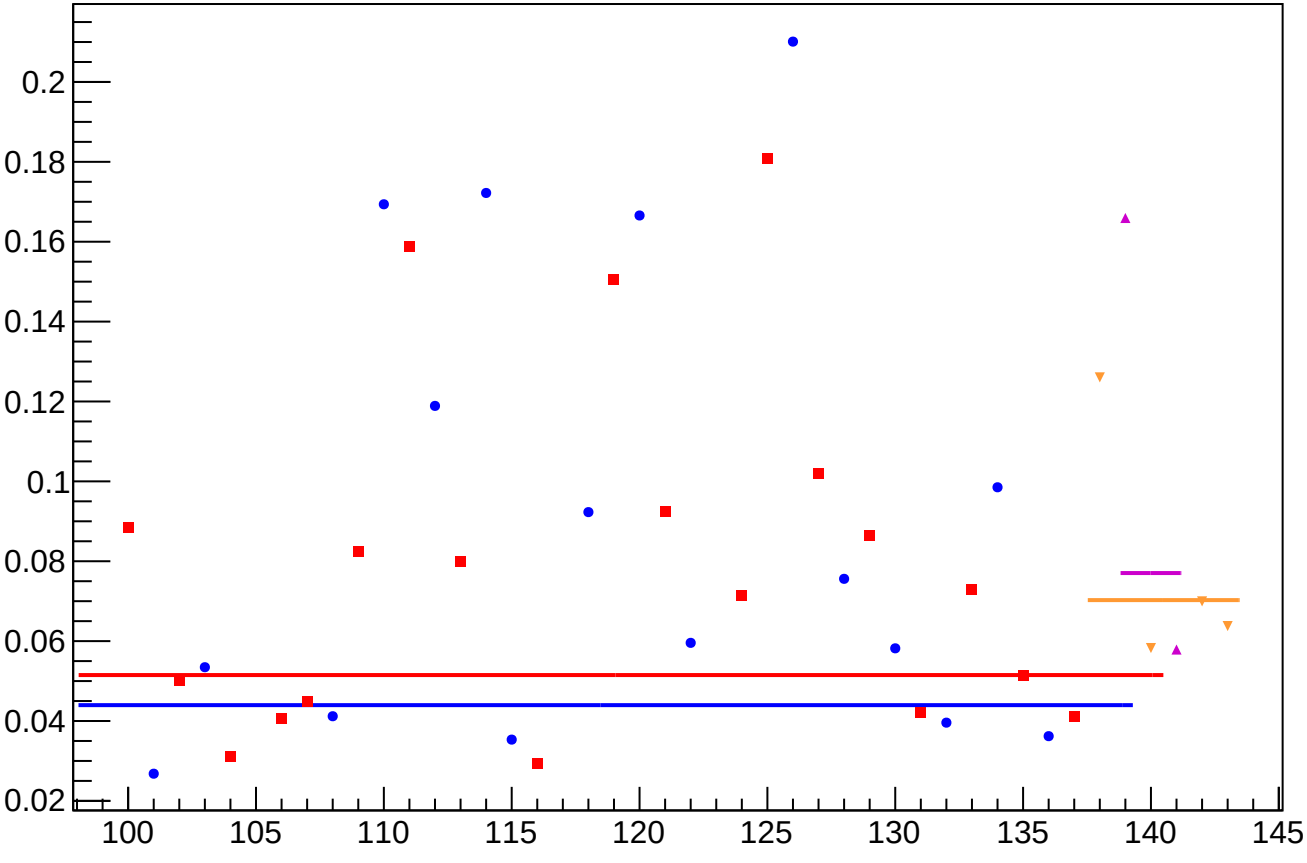
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.168+/-0.000 χ^2/NDF:2285838567.6/17

Out: 0.089+/-0.000 χ^2/NDF:2995525510.2/22

All: 0.130+/-0.000 χ^2/NDF: 5287823397.9/40

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.070+/-0.000 χ^2/NDF:302792.1/3

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: 0.072+/-0.000 χ^2/NDF: 865864.8/5

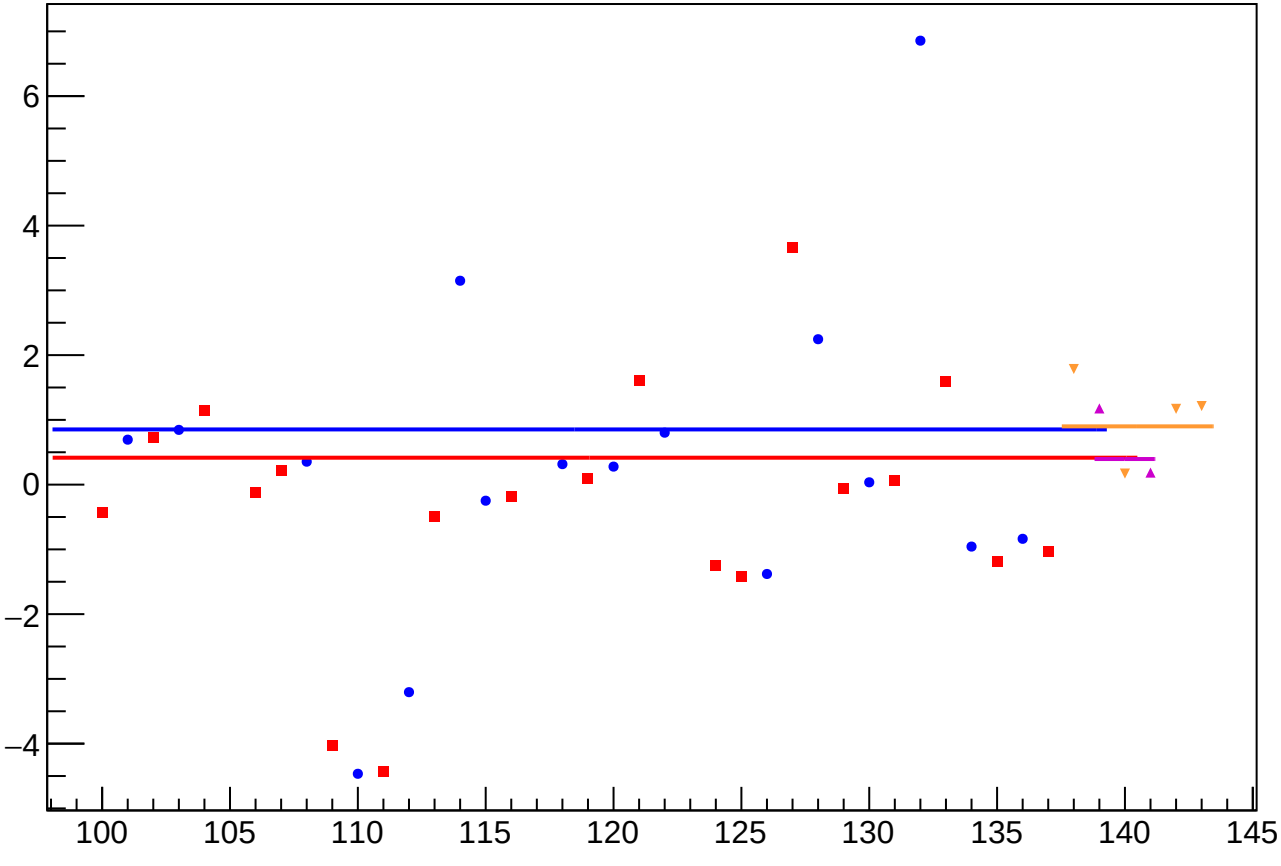
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.046+/-0.000 χ^2/NDF:3668910.4/17

Out: 0.055+/-0.000 χ^2/NDF:2867789.8/22

All: 0.050+/-0.000 χ^2/NDF: 6676278.0/40

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.900+/-0.000 χ^2/NDF:185789824.7/3

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: 0.747+/-0.000 χ^2/NDF: 265778908.9/5

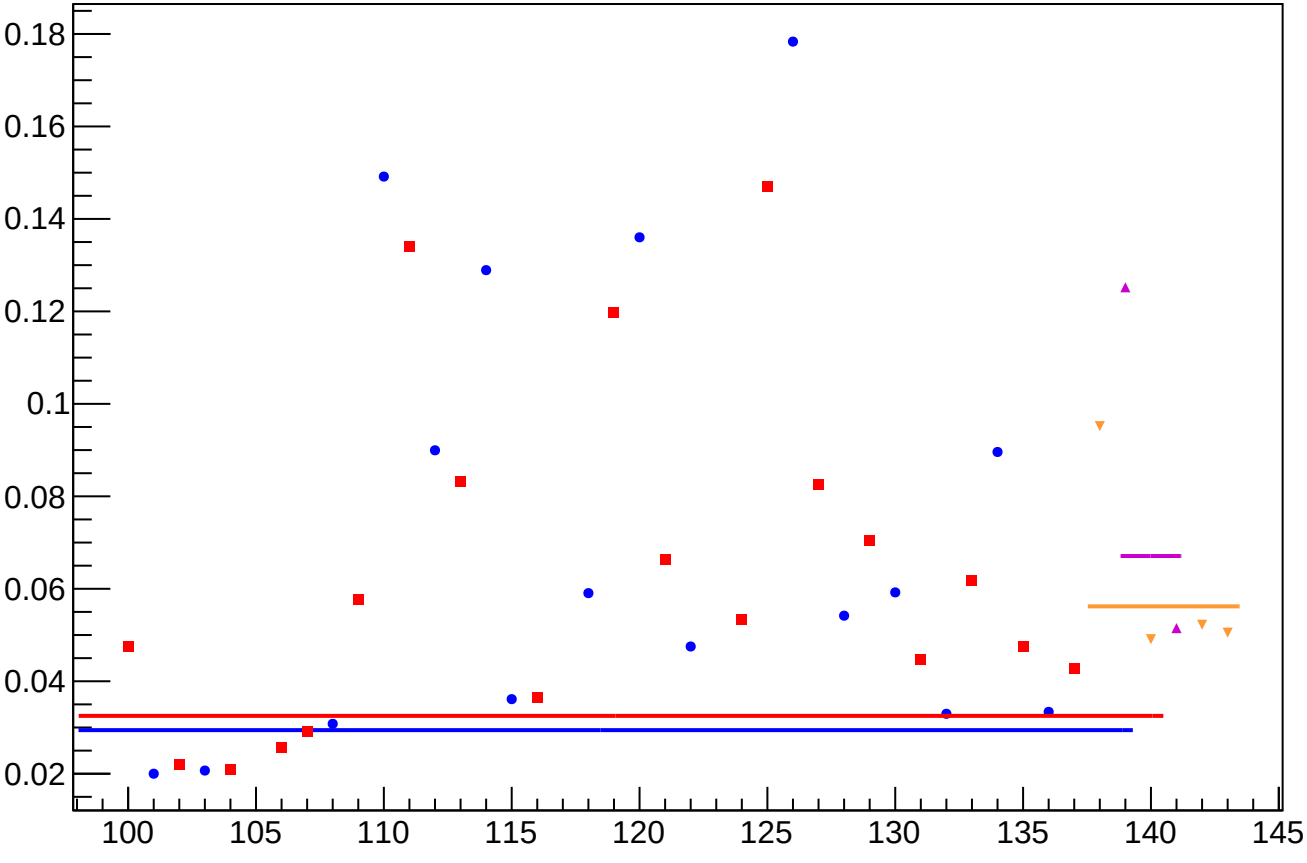
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.829+/-0.000 χ^2/NDF:11660808998.2/17

Out: 0.475+/-0.000 χ^2/NDF:5419071043.5/22

All: 0.653+/-0.000 χ^2/NDF: 17359488628.3/4

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.056+/-0.000 χ^2/NDF:252047.2/3

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: 0.059+/-0.000 χ^2/NDF: 715608.7/5

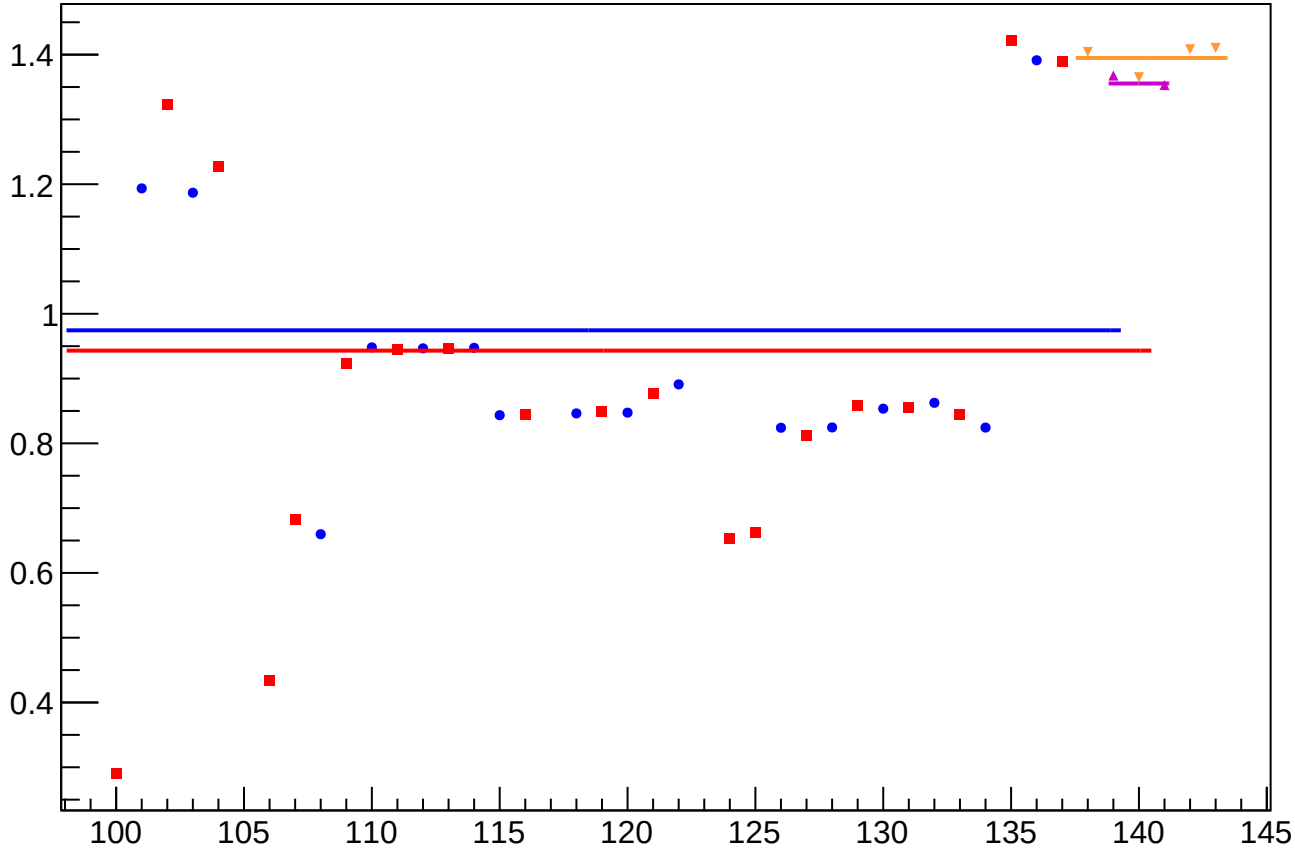
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.031+/-0.000 χ^2/NDF:4247303.9/17

Out: 0.035+/-0.000 χ^2/NDF:4101009.7/22

All: 0.033+/-0.000 χ^2/NDF: 8420156.1/40

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.395+/-0.000 χ^2/NDF:6192797.5/3

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: 1.383+/-0.000 χ^2/NDF: 13704731.5/5

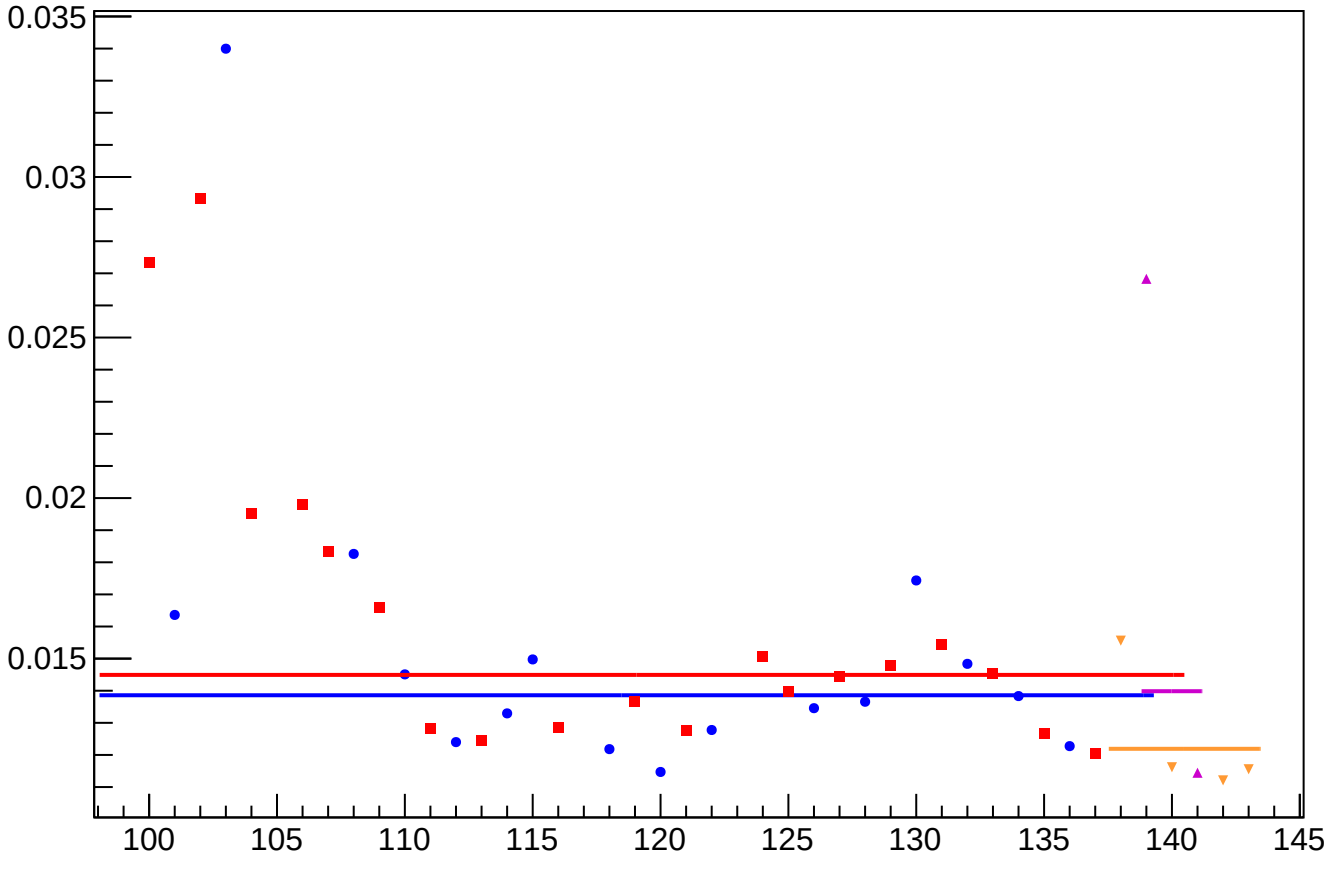
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.041+/-0.000 χ^2/NDF:2275527107.3/17

Out: 1.094+/-0.000 χ^2/NDF:3758399599.7/22

All: 1.069+/-0.000 χ^2/NDF: 6094115611.3/40

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:72116.7/3

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:444136.1/1

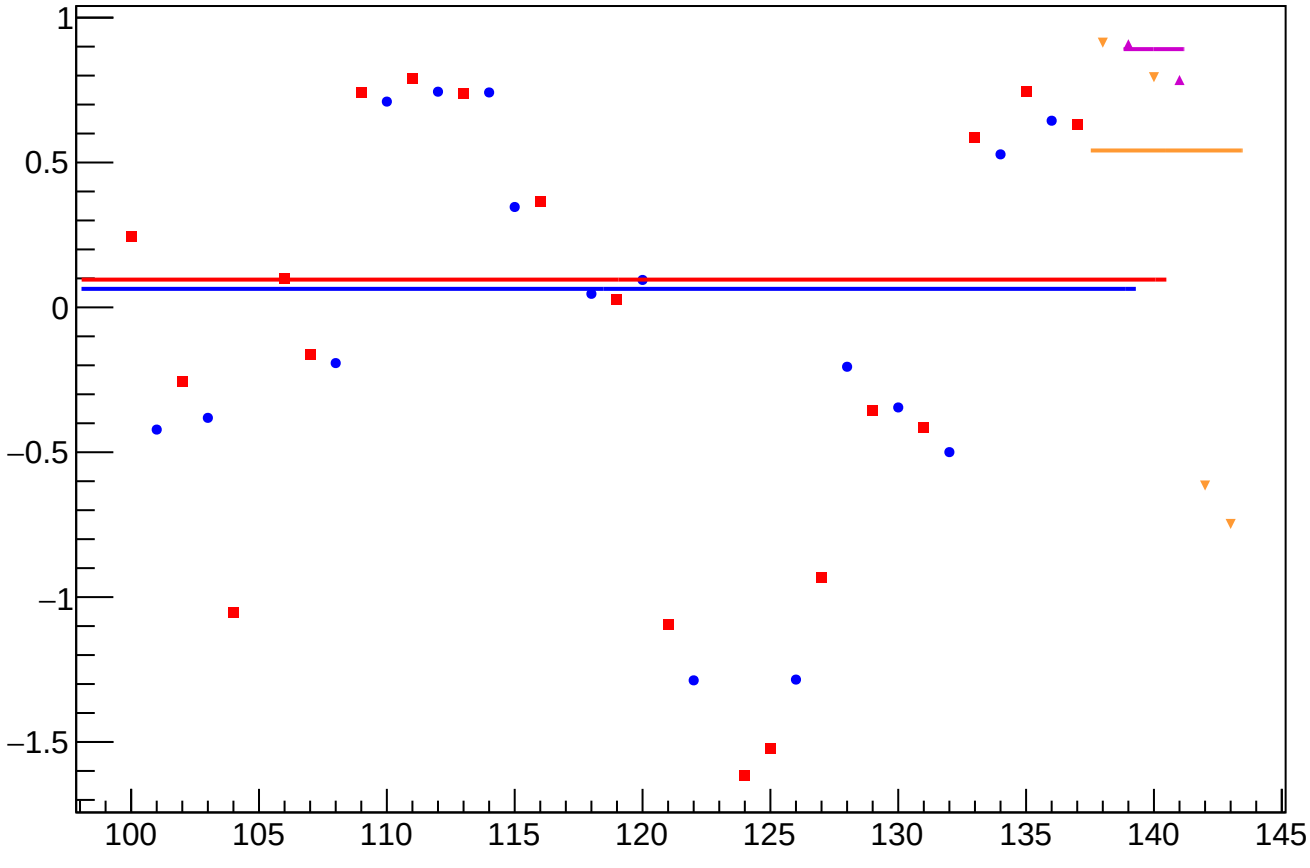
Left: 0.013+/-0.000 χ^2/NDF: 546590.3/5

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:724553.3/22

All: 0.014+/-0.000 χ^2/NDF: 1769891.4/40



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.542+/-0.000 χ^2/NDF:13232411845.8/3

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: 0.724+/-0.000 χ^2/NDF: 15211783464.3/5

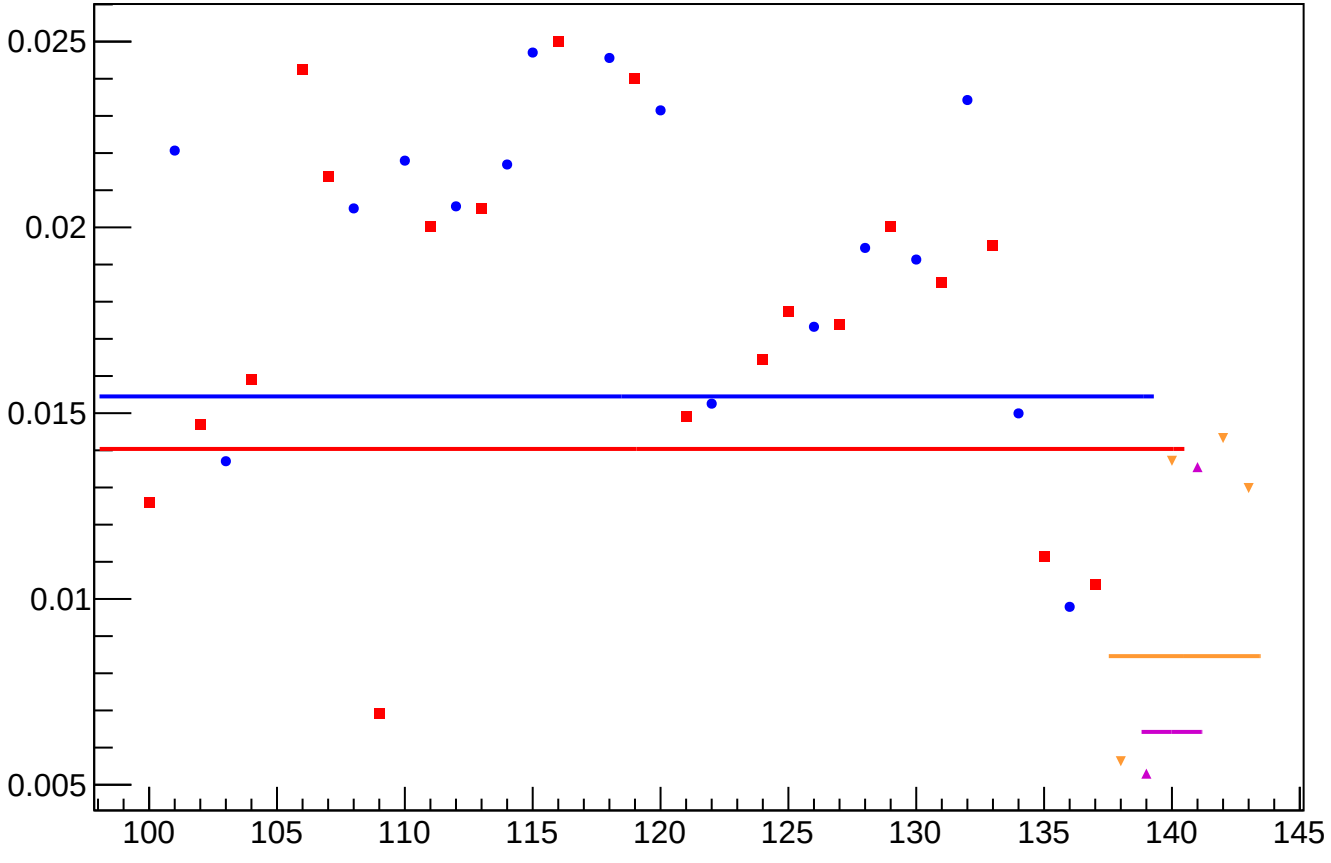
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.532+/-0.000 χ^2/NDF:20847814089.2/17

Out: 0.320+/-0.000 χ^2/NDF:33991280513.8/22

All: 0.424+/-0.000 χ^2/NDF: 56172959695.3/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:867482.1/3

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: 1523539.9/5

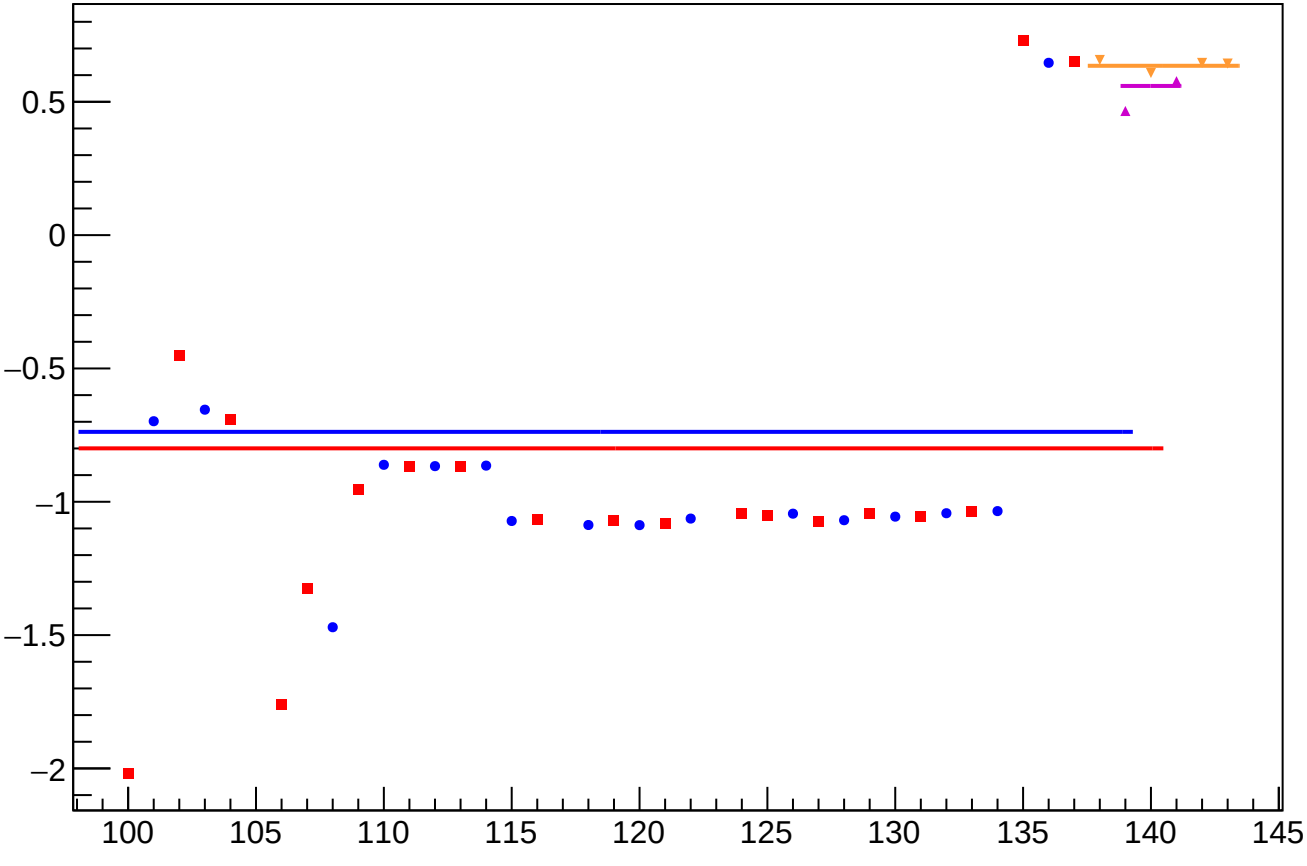
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.010+/-0.000 χ^2/NDF:4141655.0/17

Out: 0.011+/-0.000 χ^2/NDF:3485231.7/22

All: 0.011+/-0.000 χ^2/NDF: 7674497.1/40

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.635+/-0.000 χ^2/NDF:828463.5/3

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: 0.612+/-0.000 χ^2/NDF: 6561935.6/5

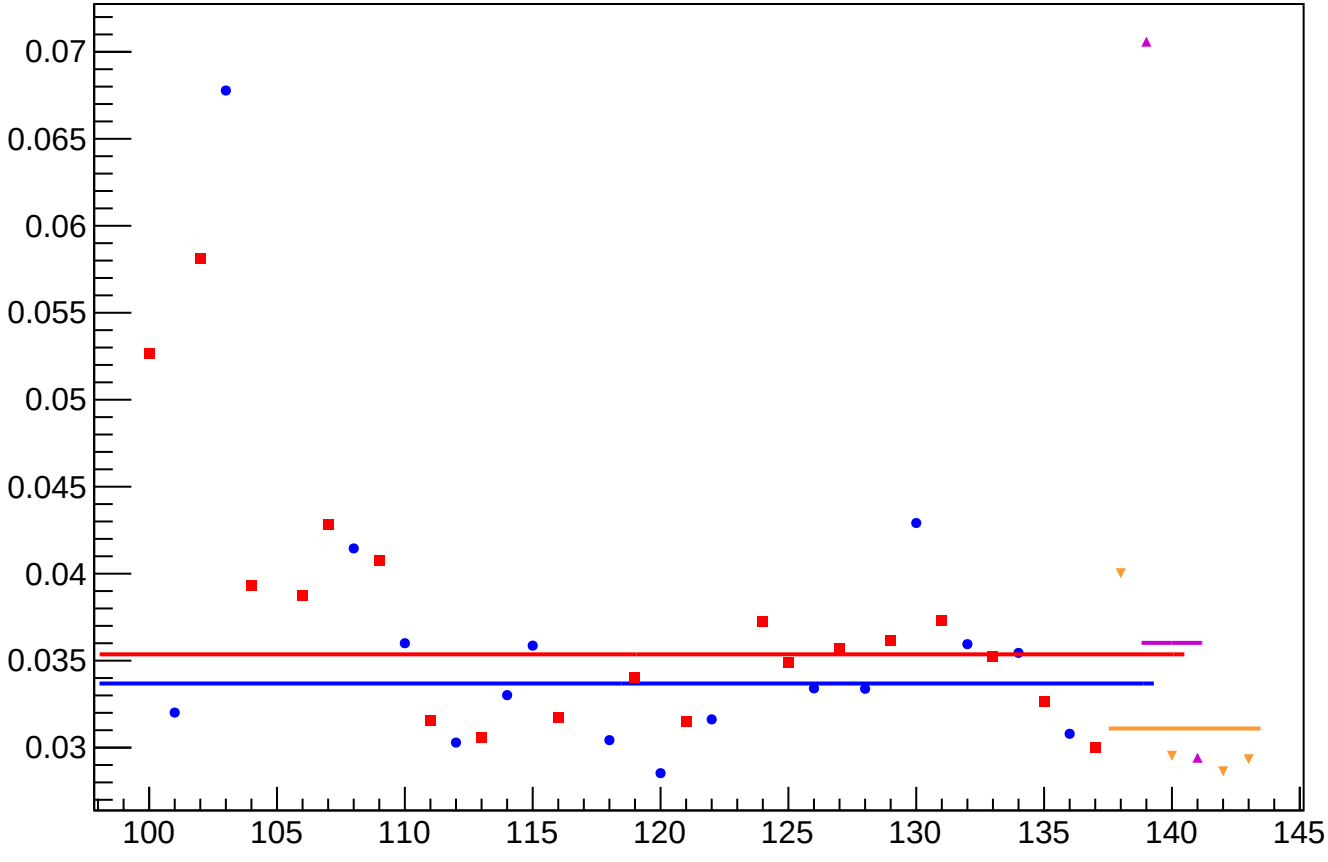
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.538+/-0.000 χ^2/NDF:3513768945.4/17

Out: -0.354+/-0.000 χ^2/NDF:5192864236.1/22

All: -0.440+/-0.000 χ^2/NDF: 8825511806.8/4

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:77524.5/3

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: 0.033+/-0.000 χ^2/NDF: 573002.1/5

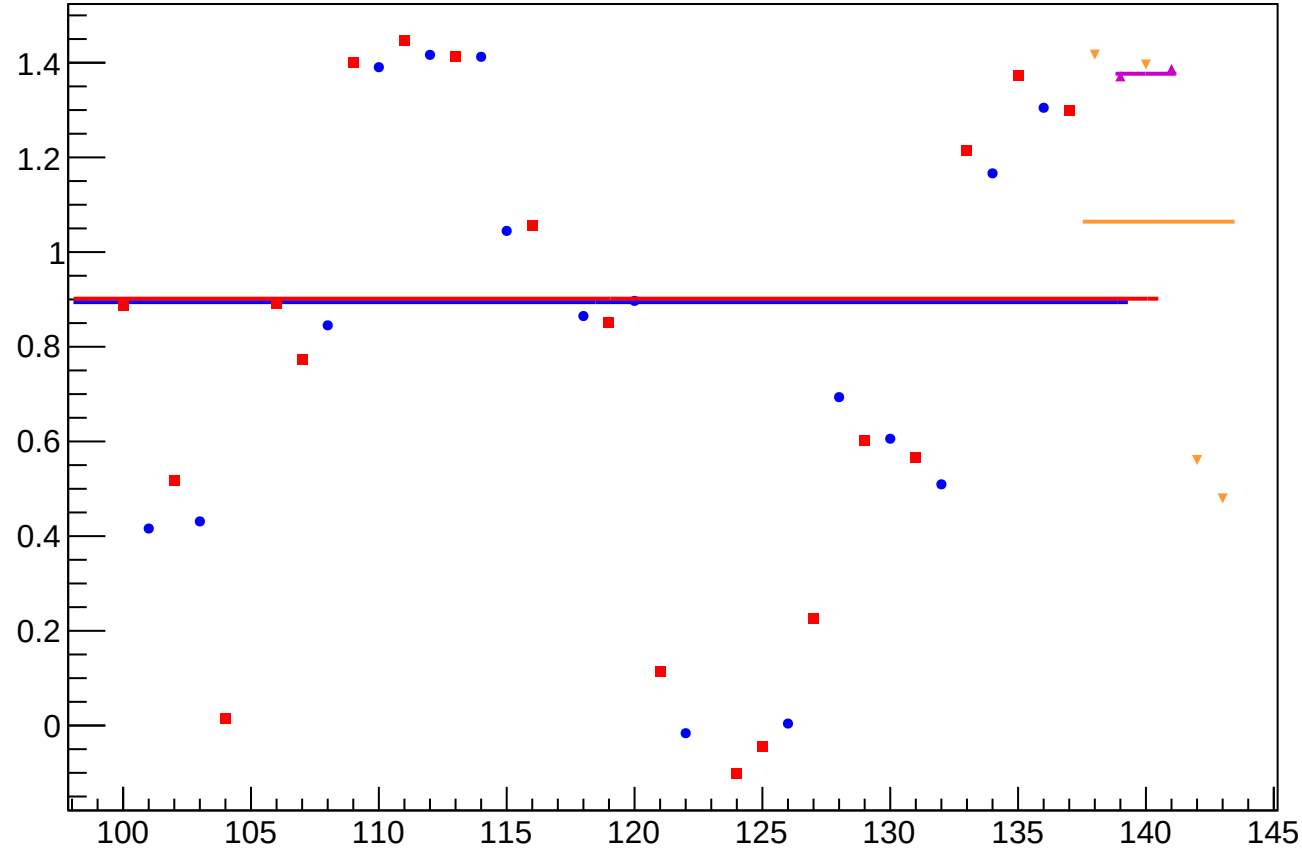
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:890879.0/17

Out: 0.034+/-0.000 χ^2/NDF:432259.9/22

All: 0.034+/-0.000 χ^2/NDF: 1323139.3/40

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.064+/-0.000 χ^2/NDF:7569282221.5/3

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: 1.197+/-0.000 χ^2/NDF: 9193217907.4/5

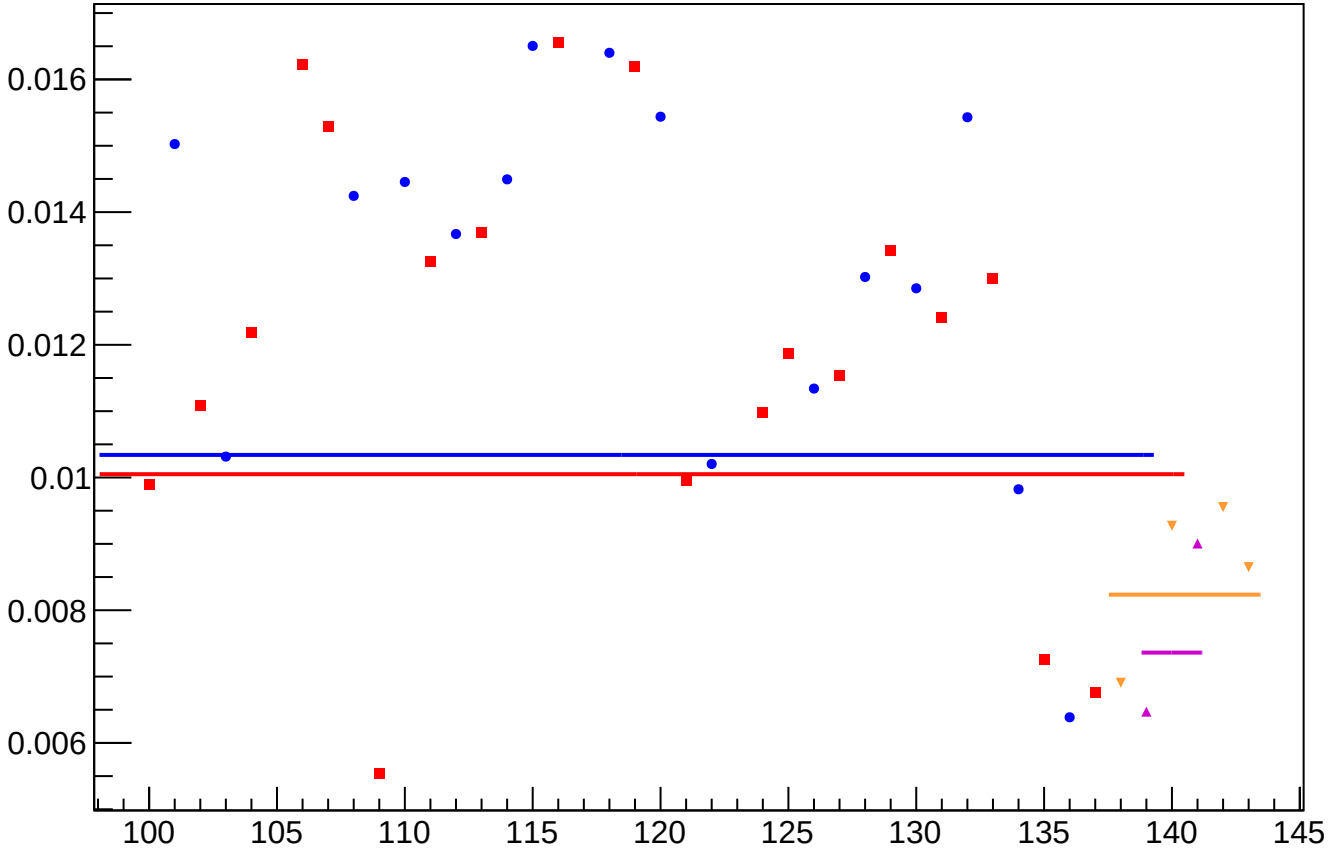
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.059+/-0.000 χ^2/NDF:17179652533.3/17

Out: 0.966+/-0.000 χ^2/NDF:26090781152.6/22

All: 1.009+/-0.000 χ^2/NDF: 43668113013.9/4

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:92670.0/3

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.007+/-0.000 χ^2/NDF:84502.3/1

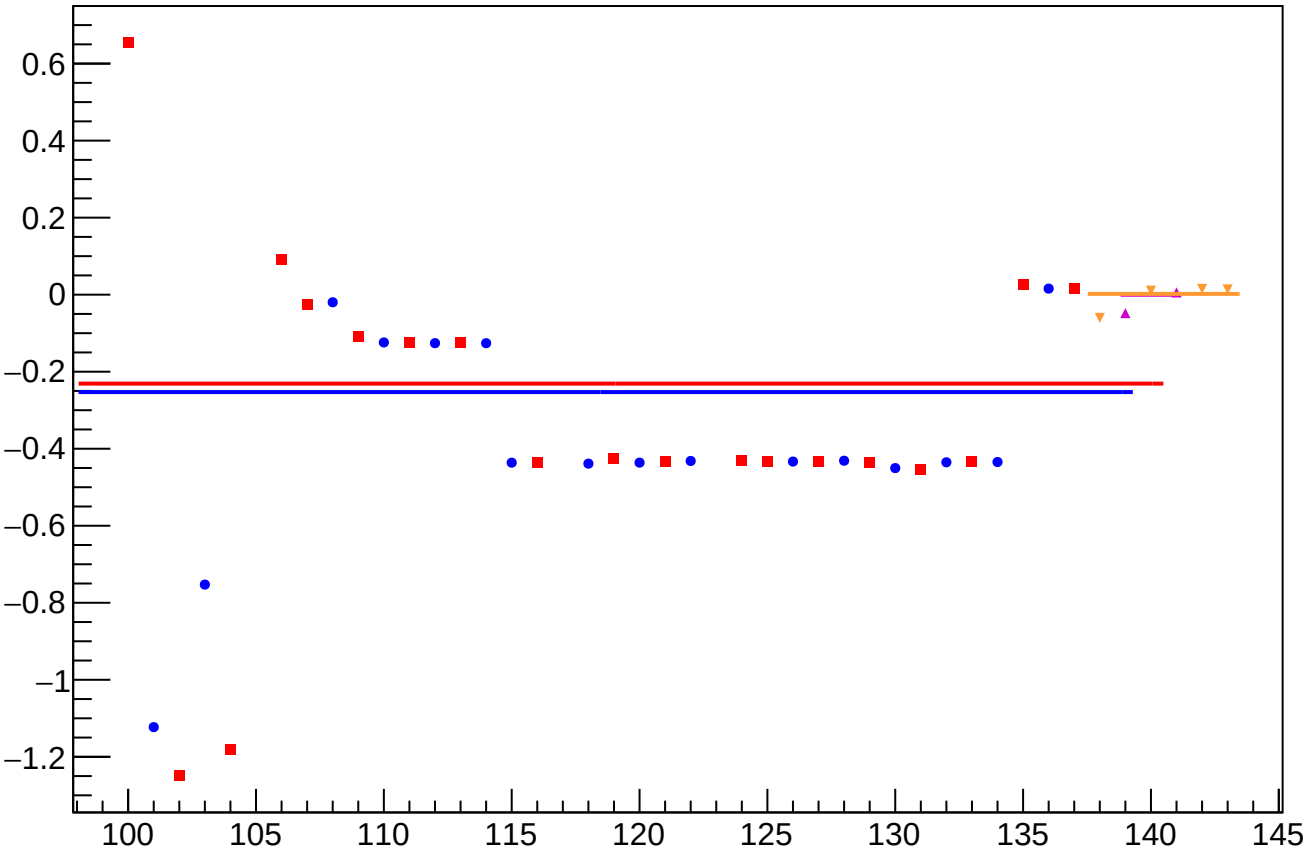
Left: 0.008+/-0.000 χ^2/NDF: 202538.1/5

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:1585958.8/22

All: 0.009+/-0.000 χ^2/NDF: 3358795.8/40



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:16735275.7/3

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: 0.001+/-0.000 χ^2/NDF: 19768884.4/5

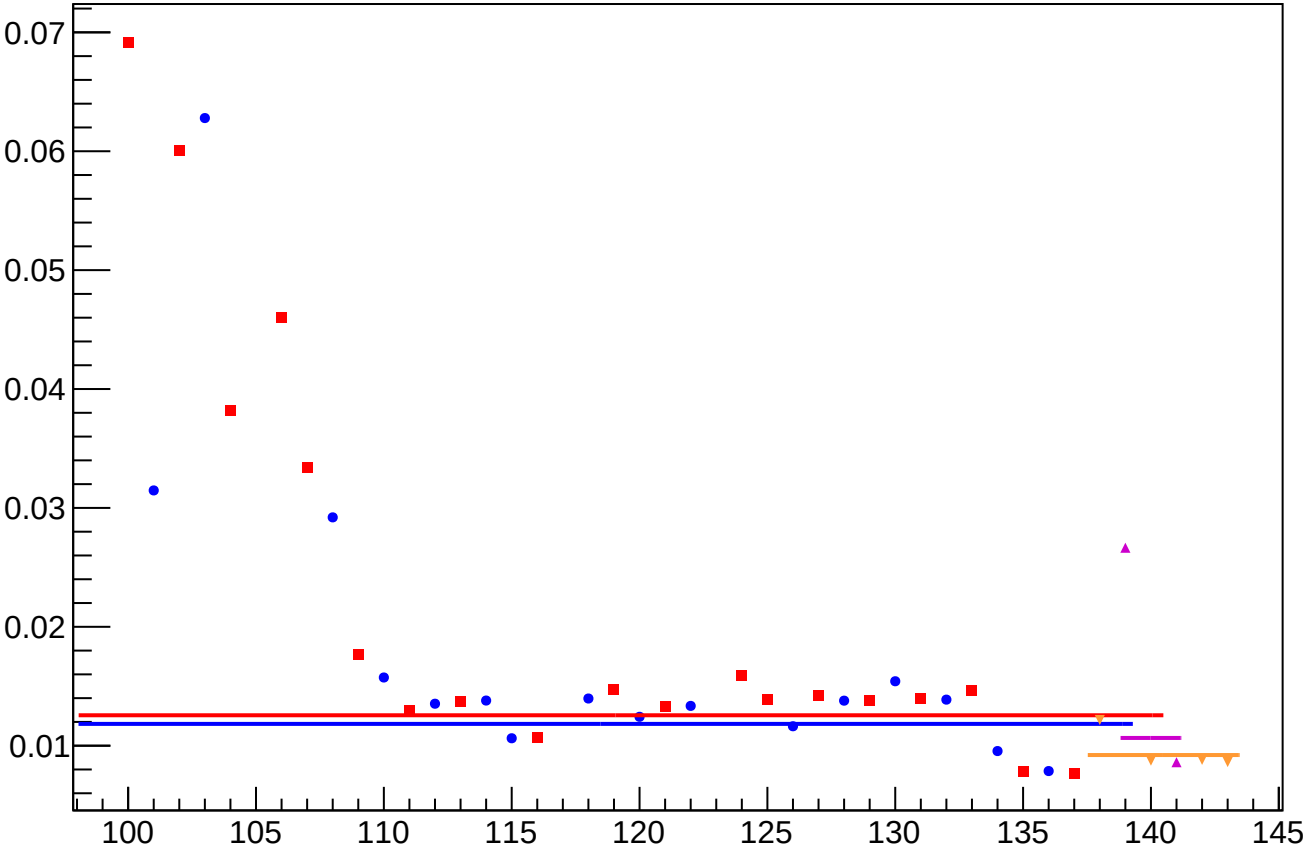
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.196+/-0.000 χ^2/NDF:2540140459.3/17

Out: -0.128+/-0.000 χ^2/NDF:2584040239.7/22

All: -0.159+/-0.000 χ^2/NDF: 5239802886.6/4

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:74782.0/3

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: 781304.1/5

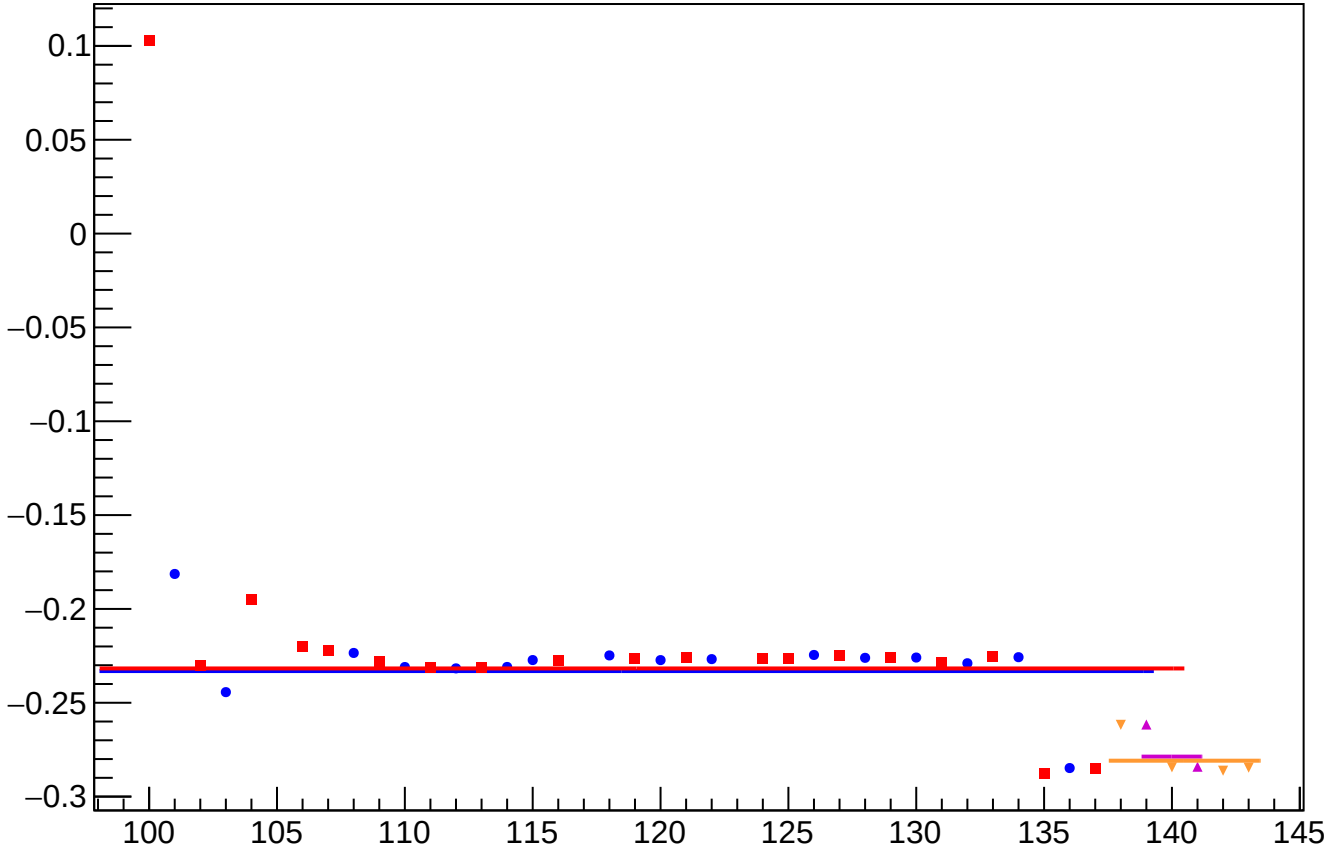
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.012+/-0.000 χ^2/NDF:2641203.2/17

Out: 0.011+/-0.000 χ^2/NDF:2605121.4/22

All: 0.011+/-0.000 χ^2/NDF: 5258043.4/40

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.281+/-0.000 χ^2/NDF:9517260.5/3

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: -0.280+/-0.000 χ^2/NDF: 14787098.6/5

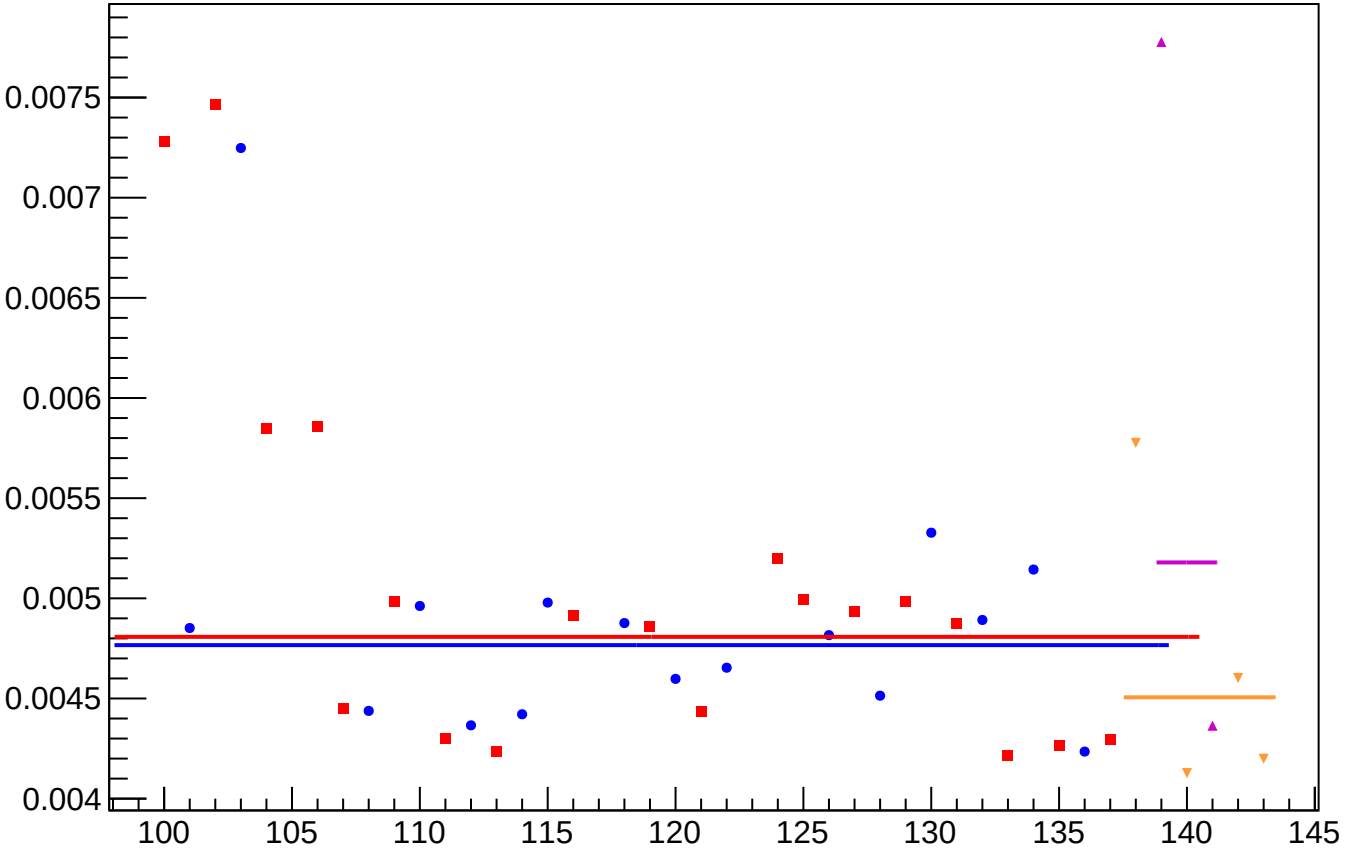
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.241+/-0.000 χ^2/NDF:300546355.8/17

Out: -0.247+/-0.000 χ^2/NDF:508918317.3/22

All: -0.244+/-0.000 χ^2/NDF: 816256523.4/40

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:90018.2/3

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: 359750.4/5

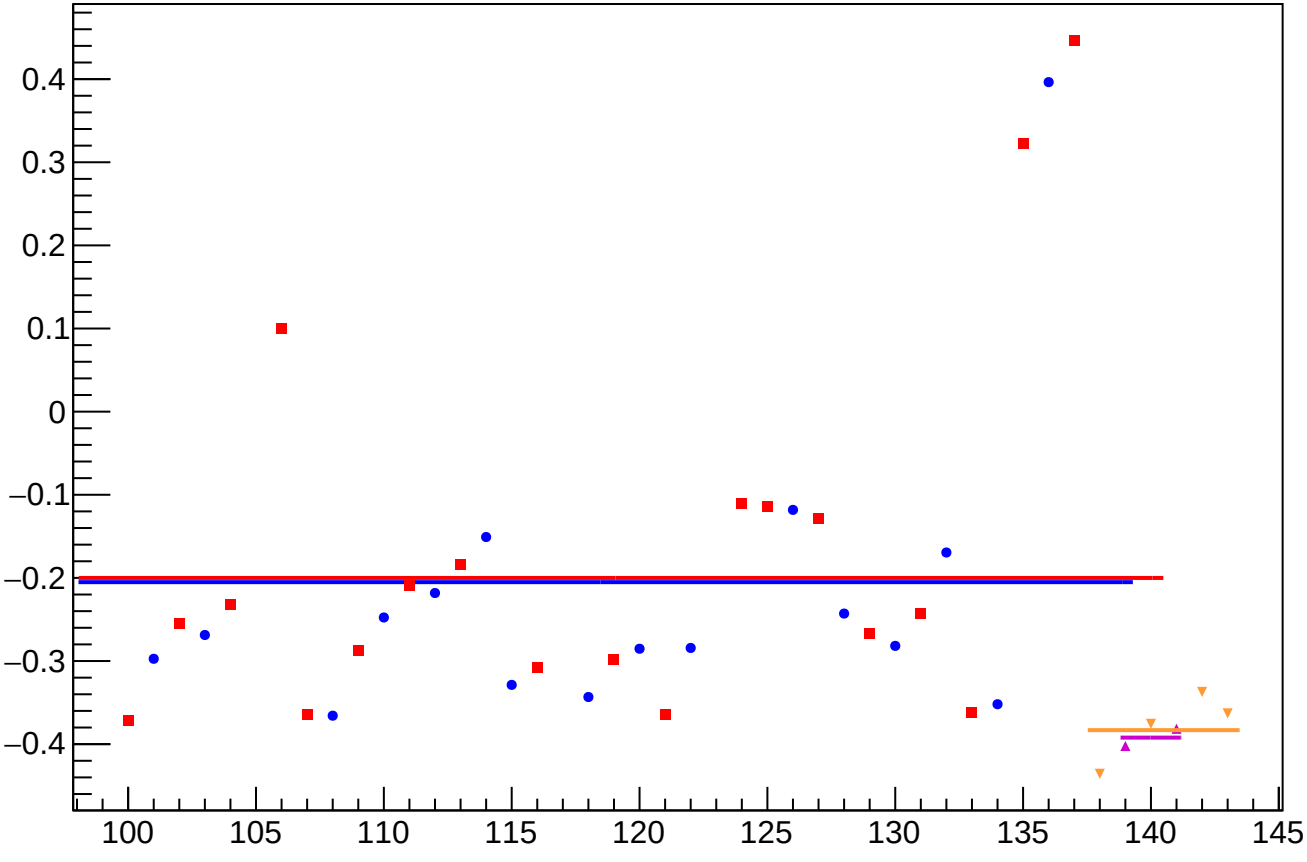
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:442392.8/17

Out: 0.005+/-0.000 χ^2/NDF:399750.6/22

All: 0.005+/-0.000 χ^2/NDF: 847310.9/40

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.383+/-0.000 χ^2/NDF:130940868.2/3

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: -0.387+/-0.000 χ^2/NDF: 141220727.5/5

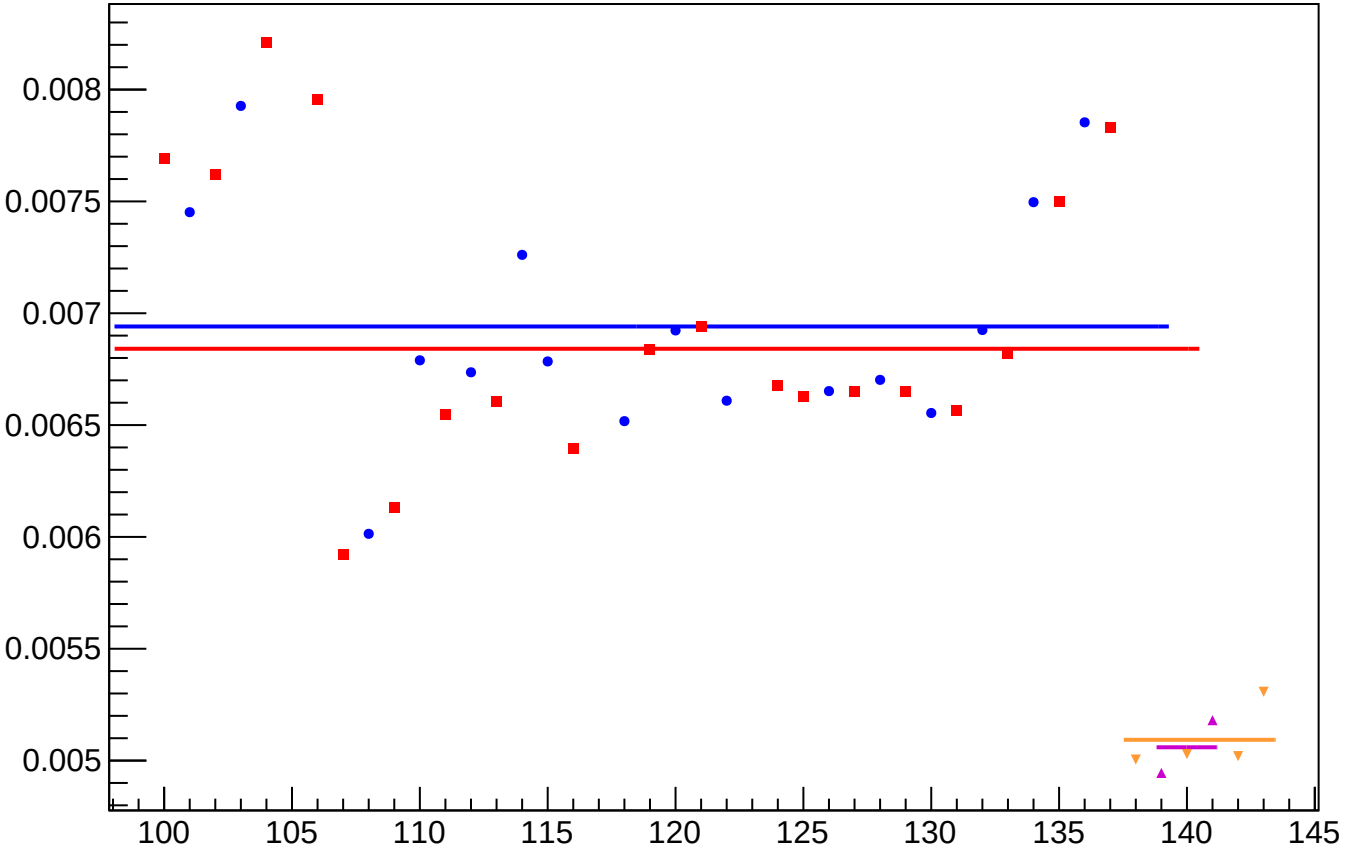
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.263+/-0.000 χ^2/NDF:7775777567.2/17

Out: -0.275+/-0.000 χ^2/NDF:7492767895.2/22

All: -0.270+/-0.000 χ^2/NDF: 15285133715.4/

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:3450.1/3

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: 5358.2/5

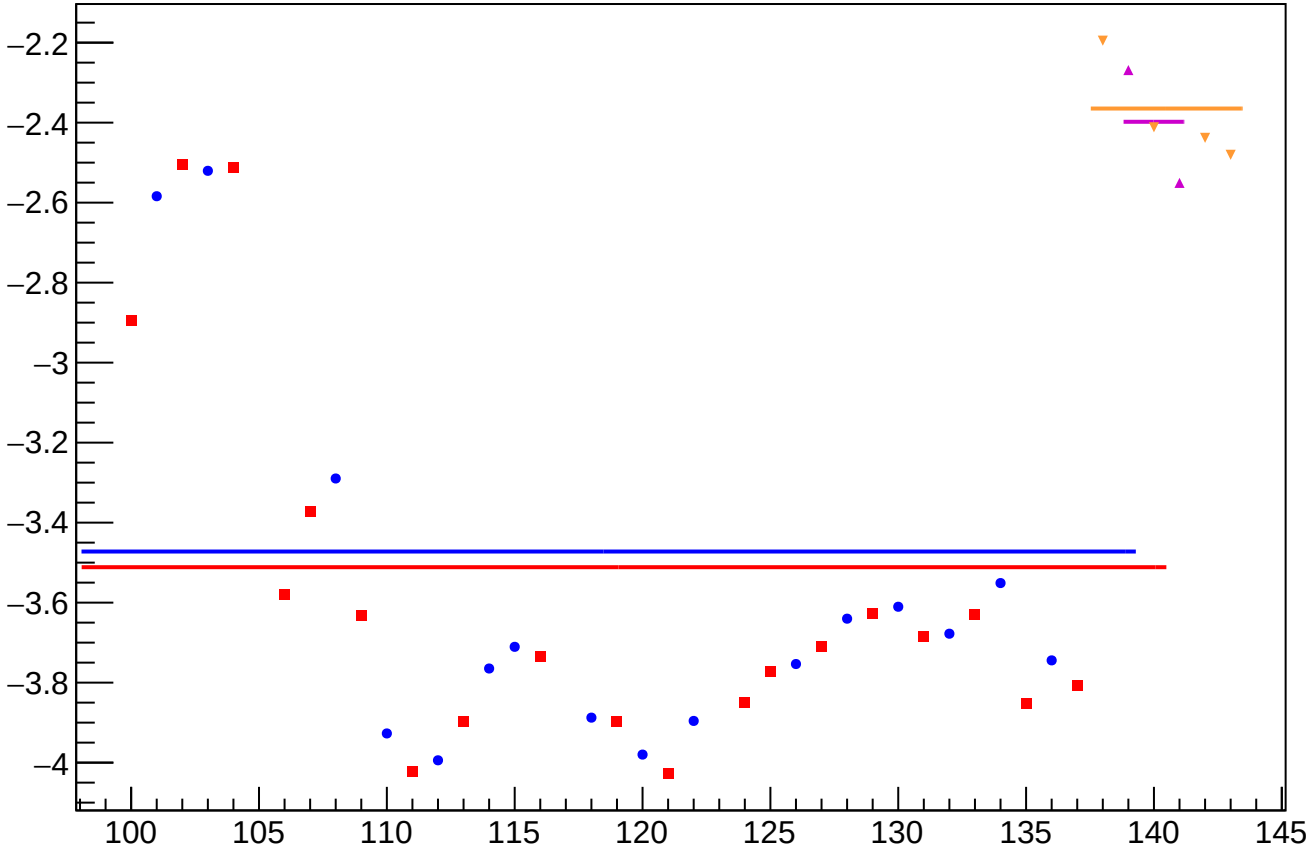
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:406676.5/17

Out: 0.006+/-0.000 χ^2/NDF:488360.7/22

All: 0.006+/-0.000 χ^2/NDF: 907631.6/40

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.365+/-0.000 χ^2/NDF:376655300.5/3

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: -2.377+/-0.000 χ^2/NDF: 705775154.9/5

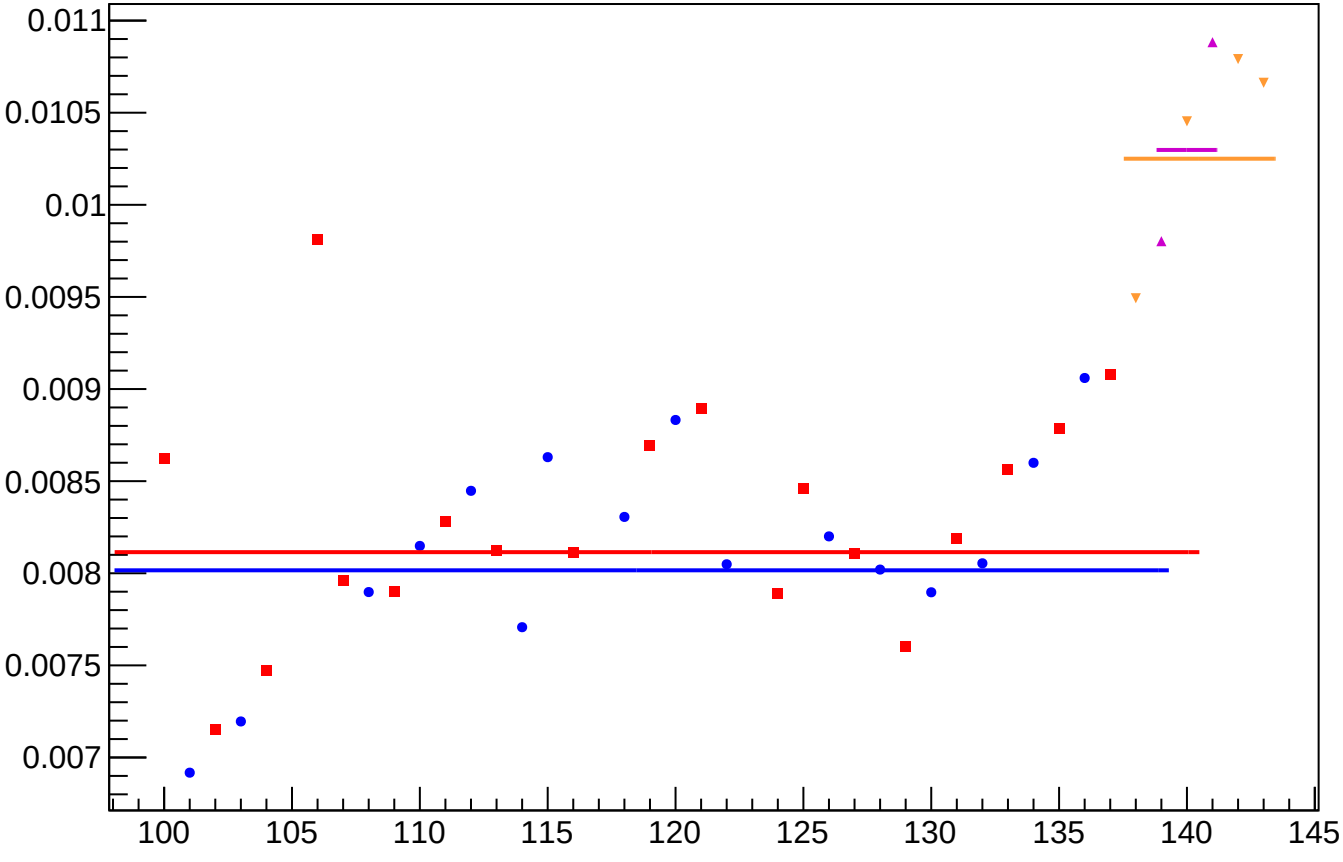
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.334+/-0.000 χ^2/NDF:46103861530.5/17

Out: -3.283+/-0.000 χ^2/NDF:58437774400.5/22

All: -3.307+/-0.000 χ^2/NDF: 104710253962.6

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:14971.5/3

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: 24350.1/5

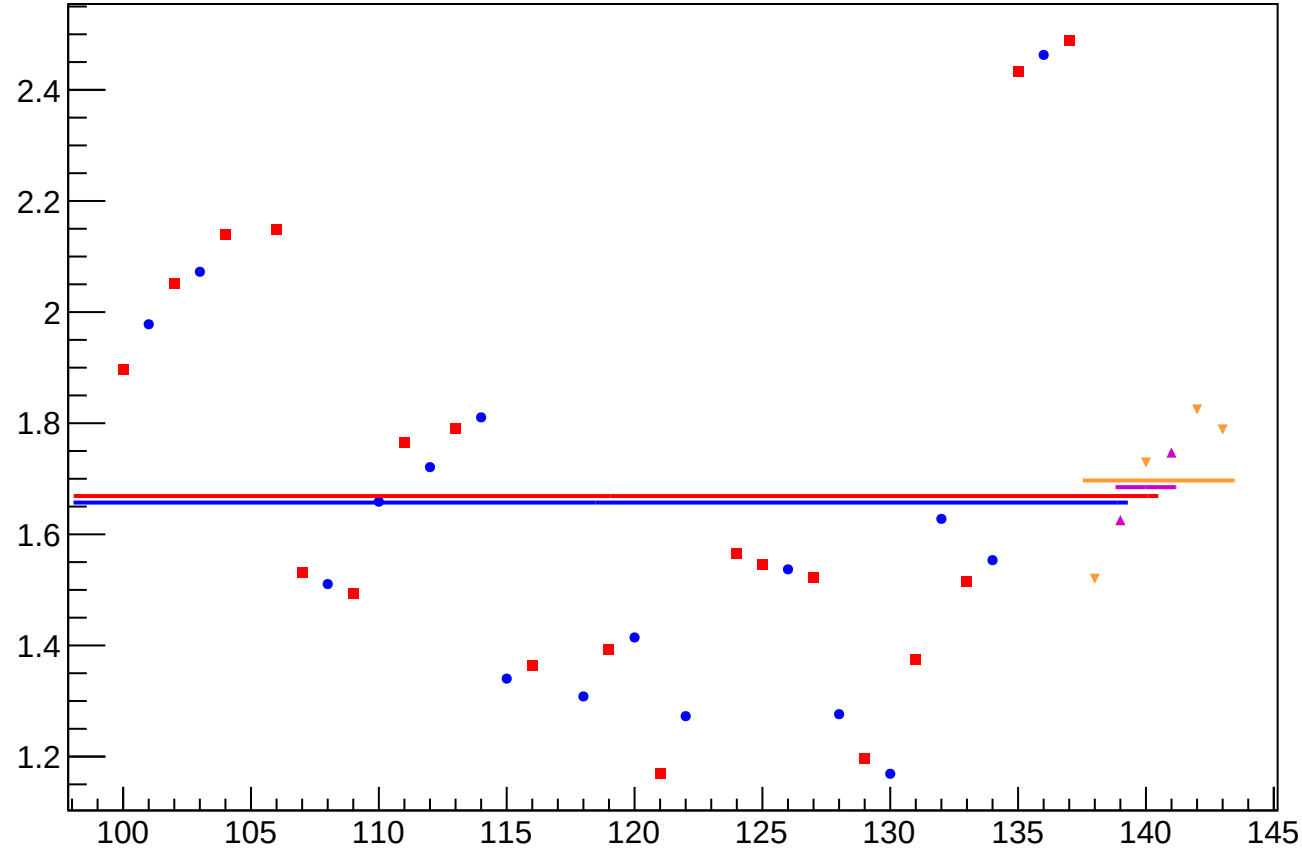
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:241658.2/17

Out: 0.009+/-0.000 χ^2/NDF:282689.3/22

All: 0.008+/-0.000 χ^2/NDF: 531226.8/40

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.697+/-0.000 χ^2/NDF:303713224.3/3

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: 1.692+/-0.000 χ^2/NDF: 356465089.3/5

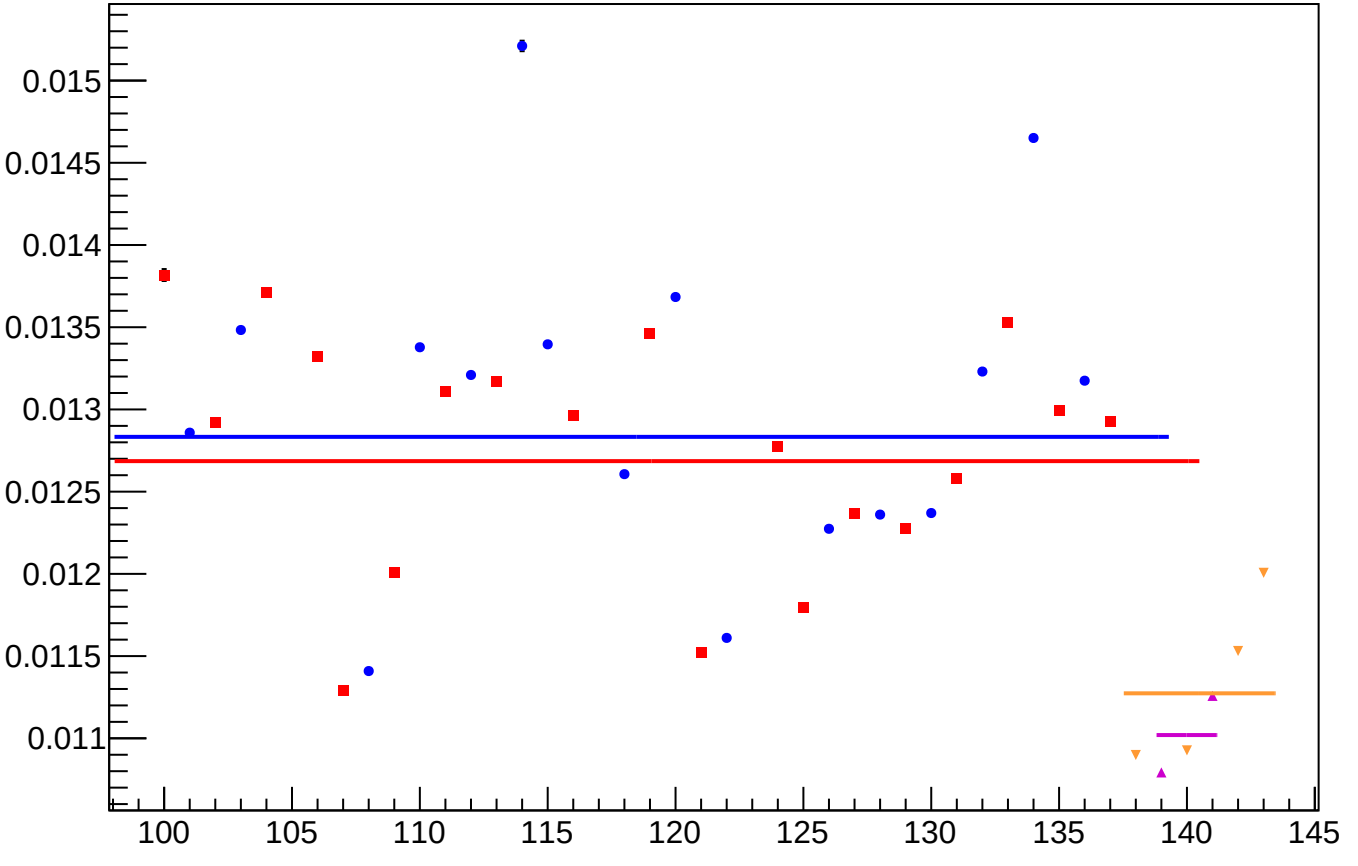
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.664+/-0.000 χ^2/NDF:6725764514.2/17

Out: 1.678+/-0.000 χ^2/NDF:6672784593.0/22

All: 1.672+/-0.000 χ^2/NDF: 13404610394.8/4

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:9632.9/3

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1508.1/1

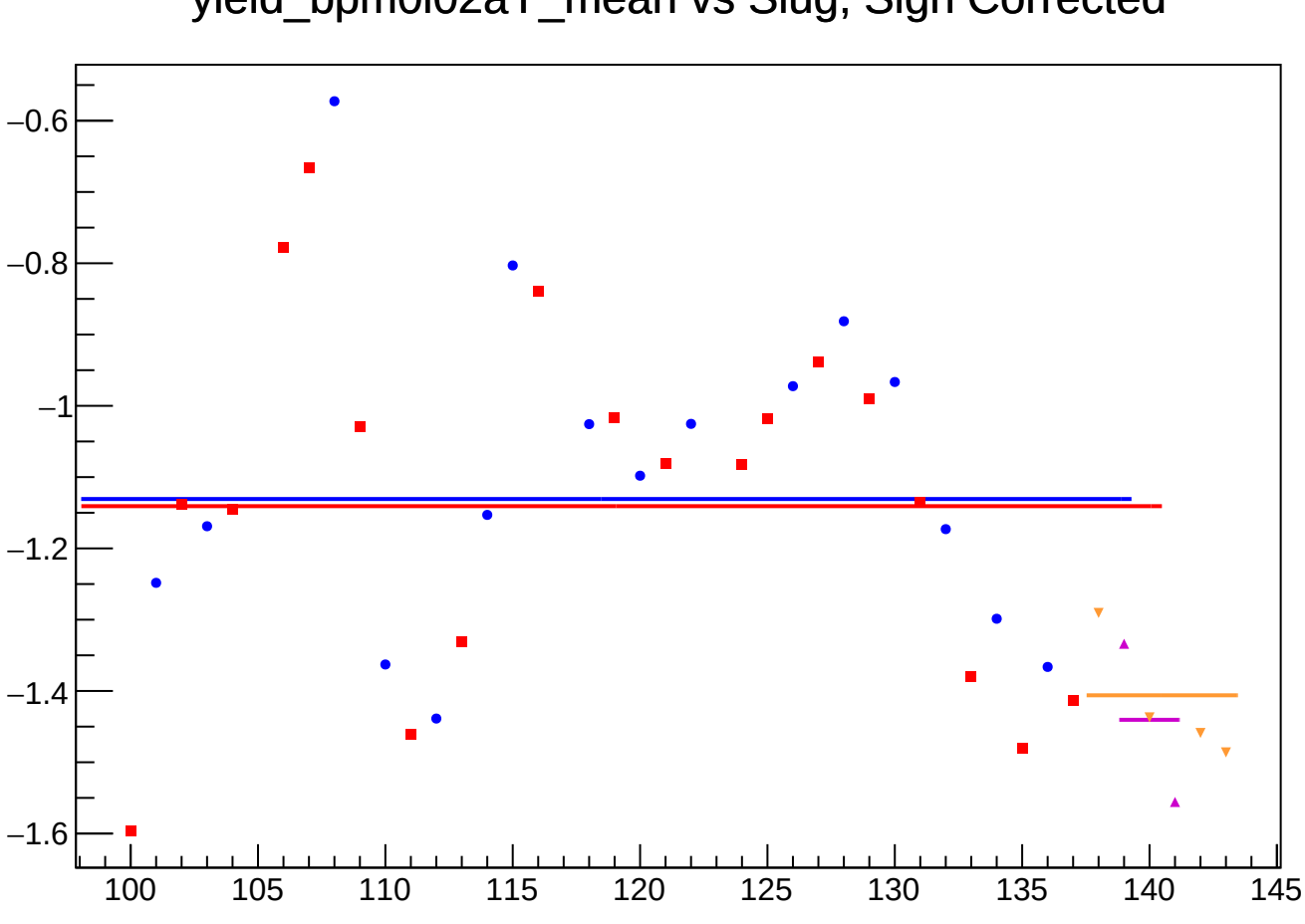
Left: 0.011+/-0.000 χ^2/NDF: 12235.6/5

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

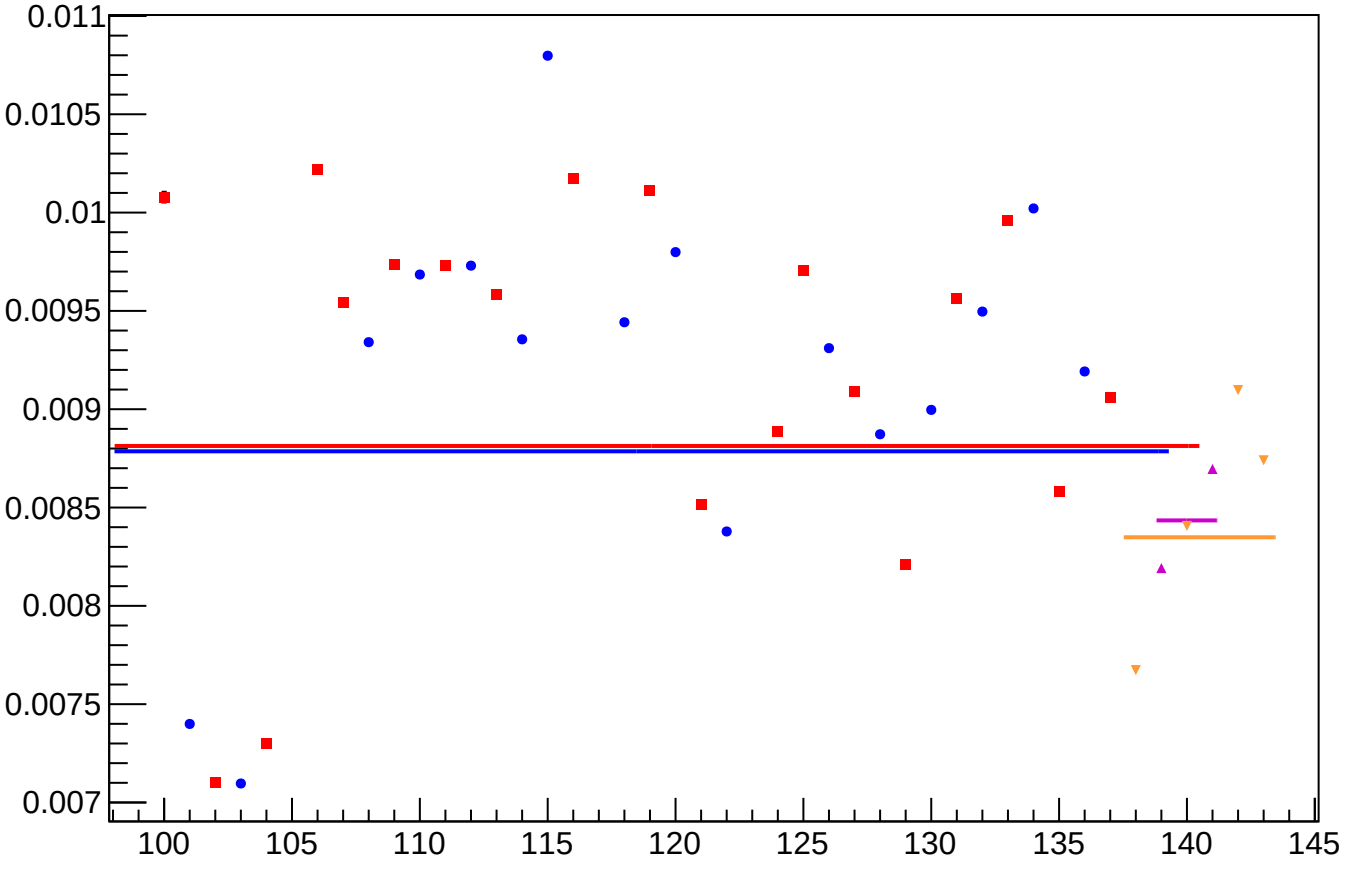
In: 0.012+/-0.000 χ^2/NDF:123068.6/17

Out: 0.012+/-0.000 χ^2/NDF:111412.9/22

All: 0.012+/-0.000 χ^2/NDF: 236105.0/40


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
105
110
115
120
125
130
135
140
145
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.406+/-0.000 χ²/NDF:261724442.4/3
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.440+/-0.000 χ²/NDF:291581663.1/1
Left: -1.419+/-0.000 χ²/NDF: 570883773.0/5
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.196+/-0.000 χ²/NDF:5877131719.8/17
Out: -1.223+/-0.000 χ²/NDF:5749049170.1/22
All: -1.210+/-0.000 χ²/NDF: 11669023576.4/

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:20581.9/3

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:3009.0/1

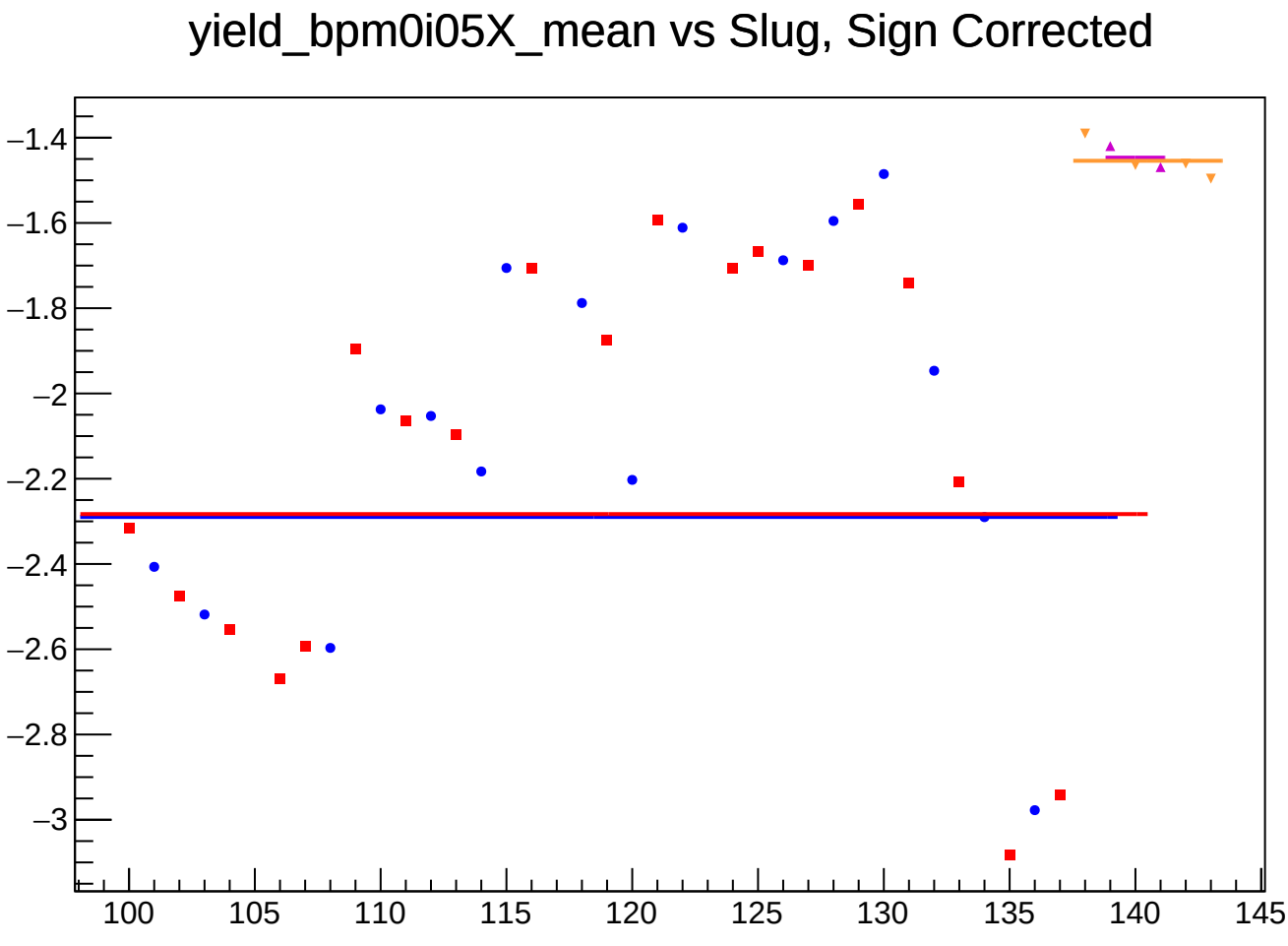
Left: 0.008+/-0.000 χ^2/NDF: 23810.1/5

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

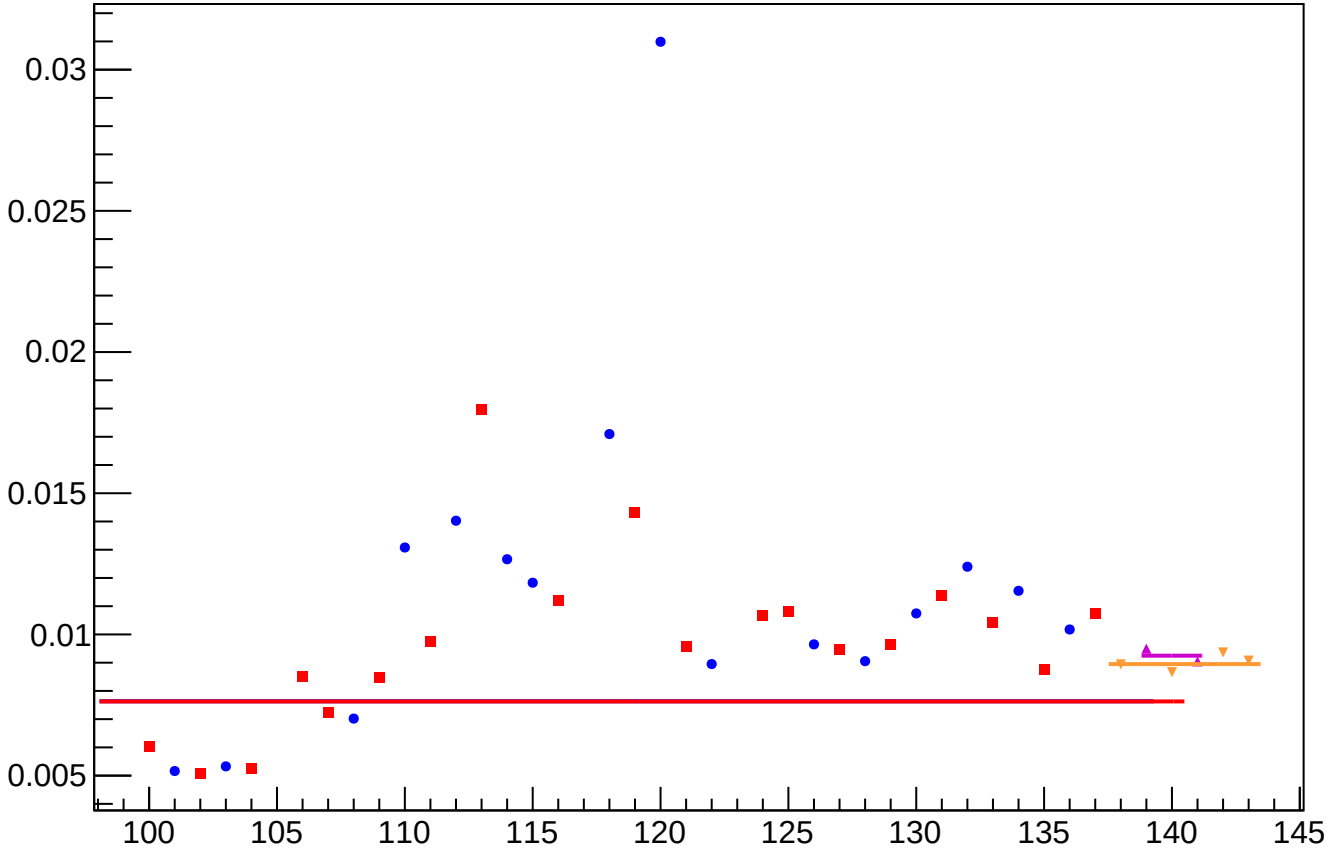
In: 0.009+/-0.000 χ^2/NDF:181108.3/17

Out: 0.009+/-0.000 χ^2/NDF:236935.1/22

All: 0.009+/-0.000 χ^2/NDF: 418257.0/40


yield_bpm0i05X_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
−3
100
105
110
115
120
125
130
135
140
145
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -1.454+/-0.000 χ²/NDF:48709705.1/3
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -1.447+/-0.000 χ²/NDF:11035804.7/1
Left: -1.451+/-0.000 χ²/NDF: 60364955.9/5
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -2.143+/-0.000 χ²/NDF:25988966273.1/17
Out: -2.078+/-0.000 χ²/NDF:33235391370.6/22
All: -2.108+/-0.000 χ²/NDF: 59467729656.7/

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:3449.6/3

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1852.6/1

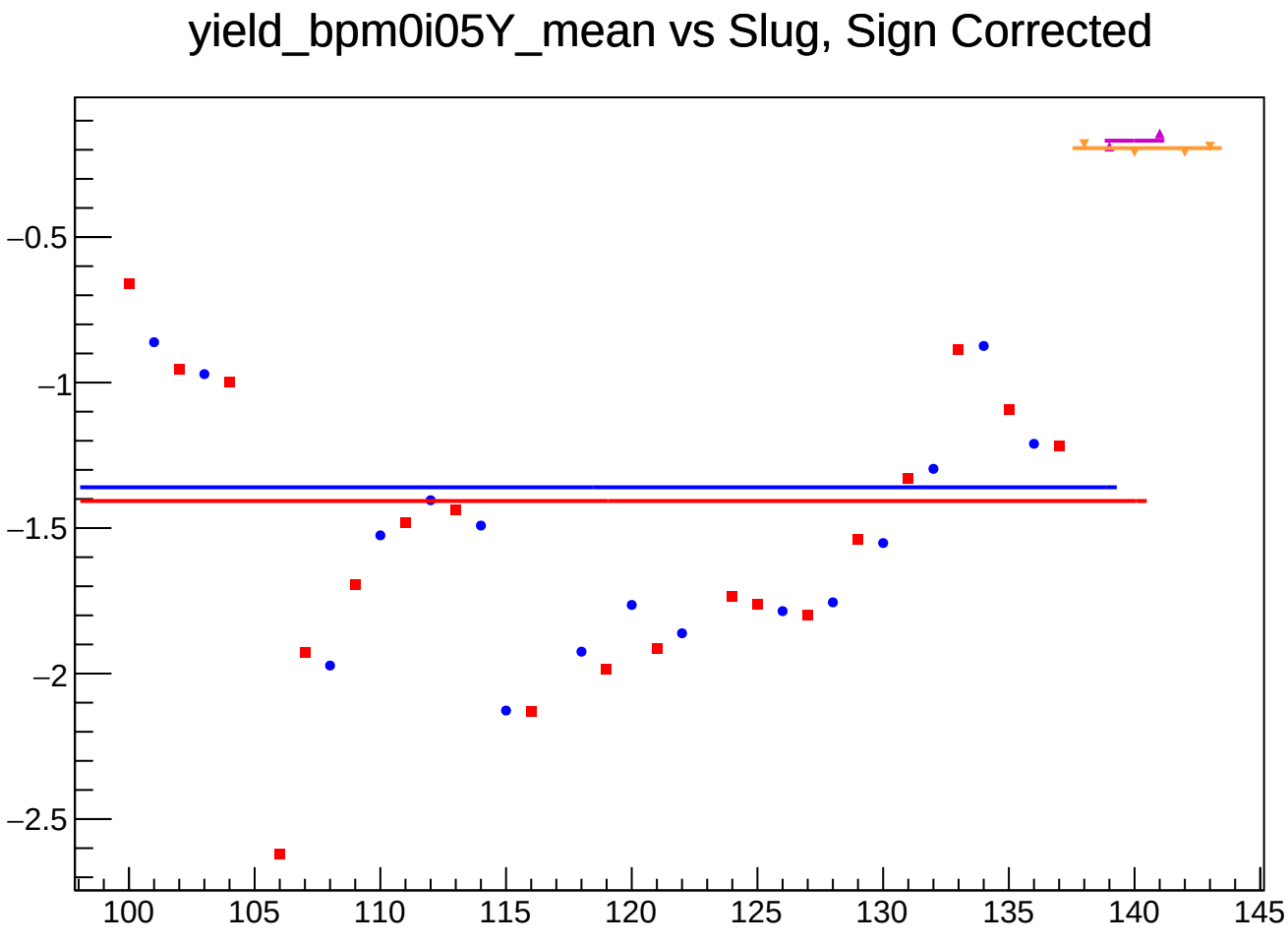
Left: 0.009+/-0.000 χ^2/NDF: 7354.2/5

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

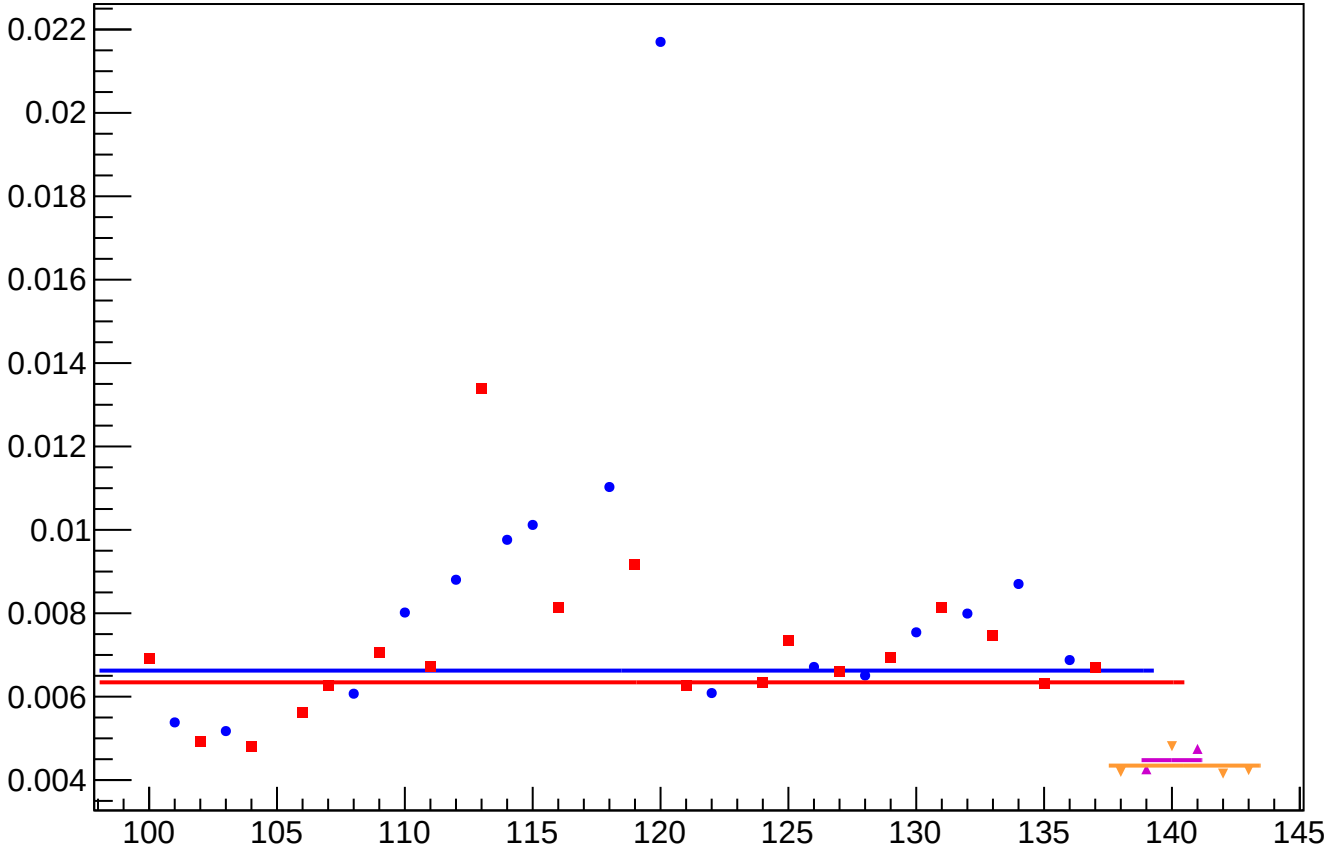
In: 0.008+/-0.000 χ^2/NDF:1791640.4/17

Out: 0.008+/-0.000 χ^2/NDF:1403425.9/22

All: 0.008+/-0.000 χ^2/NDF: 3195258.6/40


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
105
110
115
120
125
130
135
140
145
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.194+/-0.000 χ²/NDF:20293250.1/3
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.169+/-0.000 χ²/NDF:40266852.2/1
Left: -0.185+/-0.000 χ²/NDF: 94148980.7/5
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.910+/-0.000 χ²/NDF:92144825289.3/17
Out: -0.825+/-0.000 χ²/NDF:137239069190.7/22
All: -0.861+/-0.000 χ²/NDF: 230286712592.5

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:19042.5/3

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: 30195.7/5

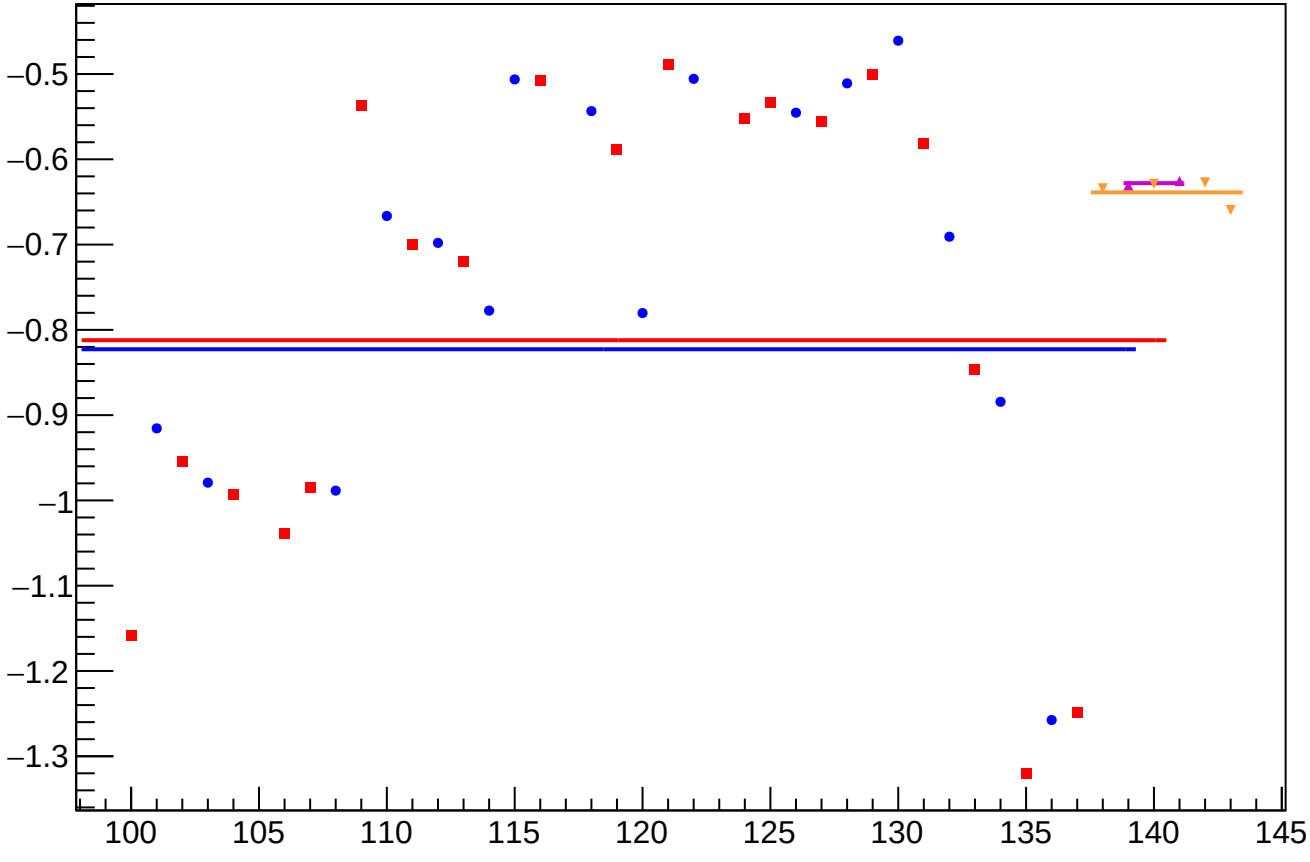
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.006+/-0.000 χ^2/NDF:1162211.1/17

Out: 0.005+/-0.000 χ^2/NDF:1130553.9/22

All: 0.006+/-0.000 χ^2/NDF: 2338211.8/40

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.639+/-0.000 χ^2/NDF:12089822.7/3

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: -0.635+/-0.000 χ^2/NDF: 15226037.0/5

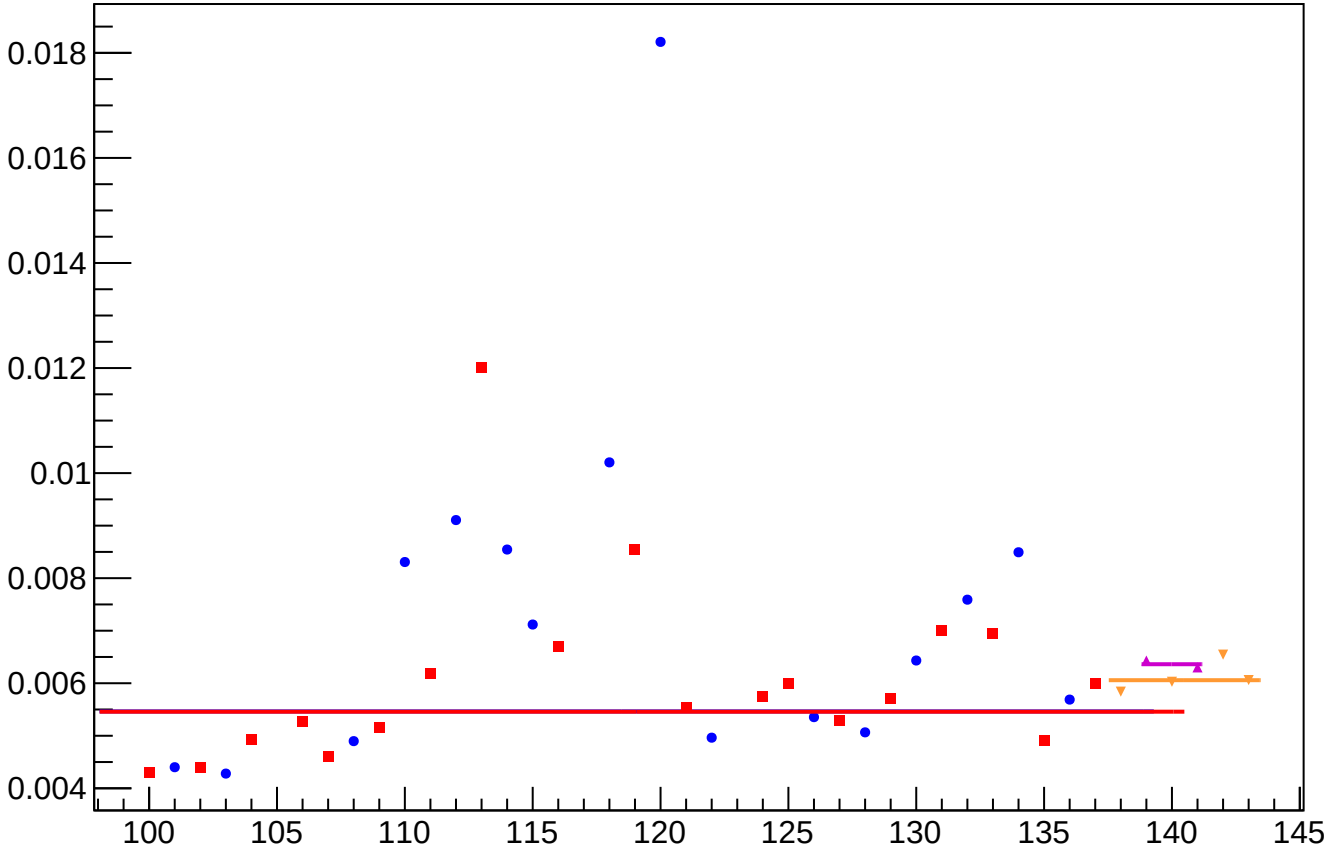
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.789+/-0.000 χ^2/NDF:13424343517.2/17

Out: -0.769+/-0.000 χ^2/NDF:16352150214.1/22

All: -0.778+/-0.000 χ^2/NDF: 29828200604.3/

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:6182.2/3

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: 10994.6/5

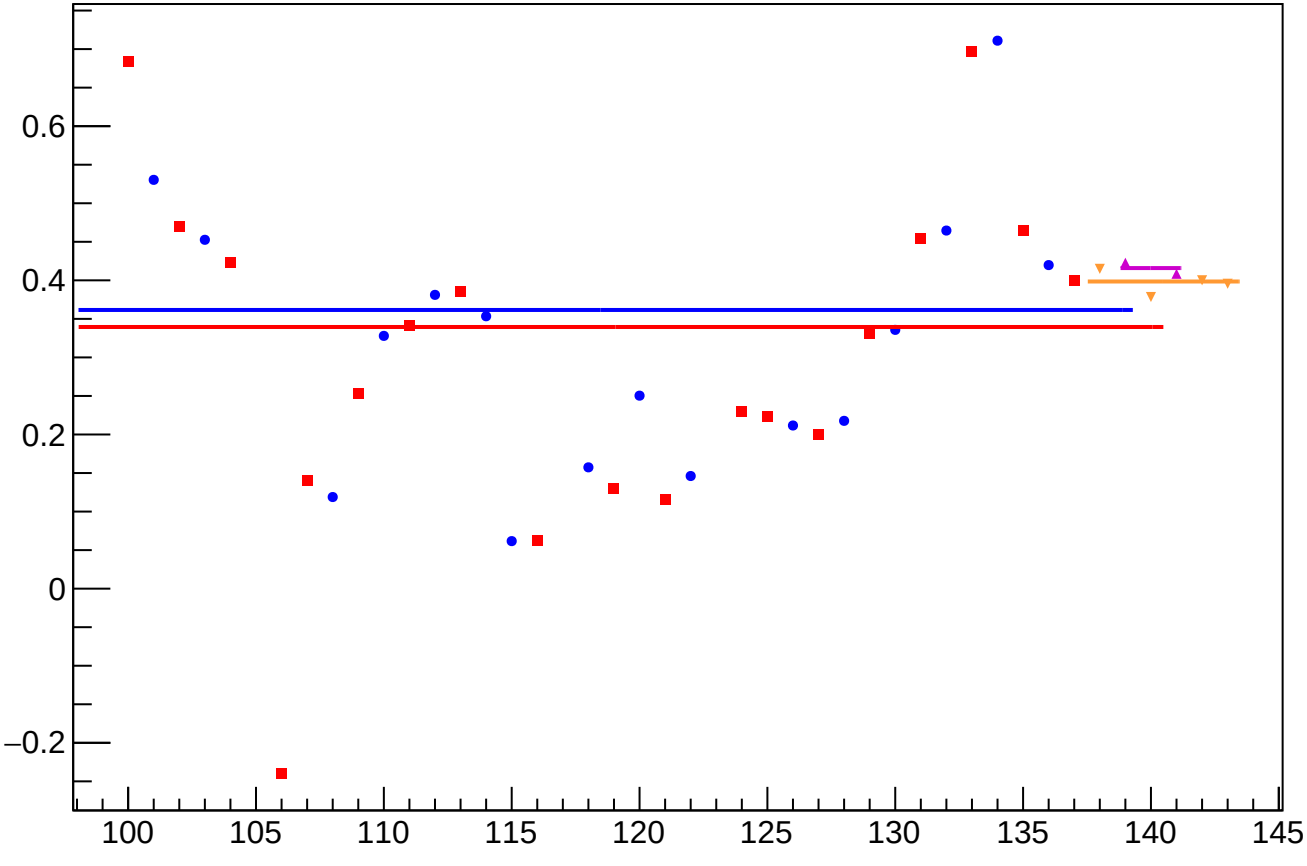
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1012787.1/17

Out: 0.006+/-0.000 χ^2/NDF:550219.6/22

All: 0.006+/-0.000 χ^2/NDF: 1563025.1/40

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.398+/-0.000 χ^2/NDF:24093816.0/3

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: 0.405+/-0.000 χ^2/NDF: 41959444.2/5

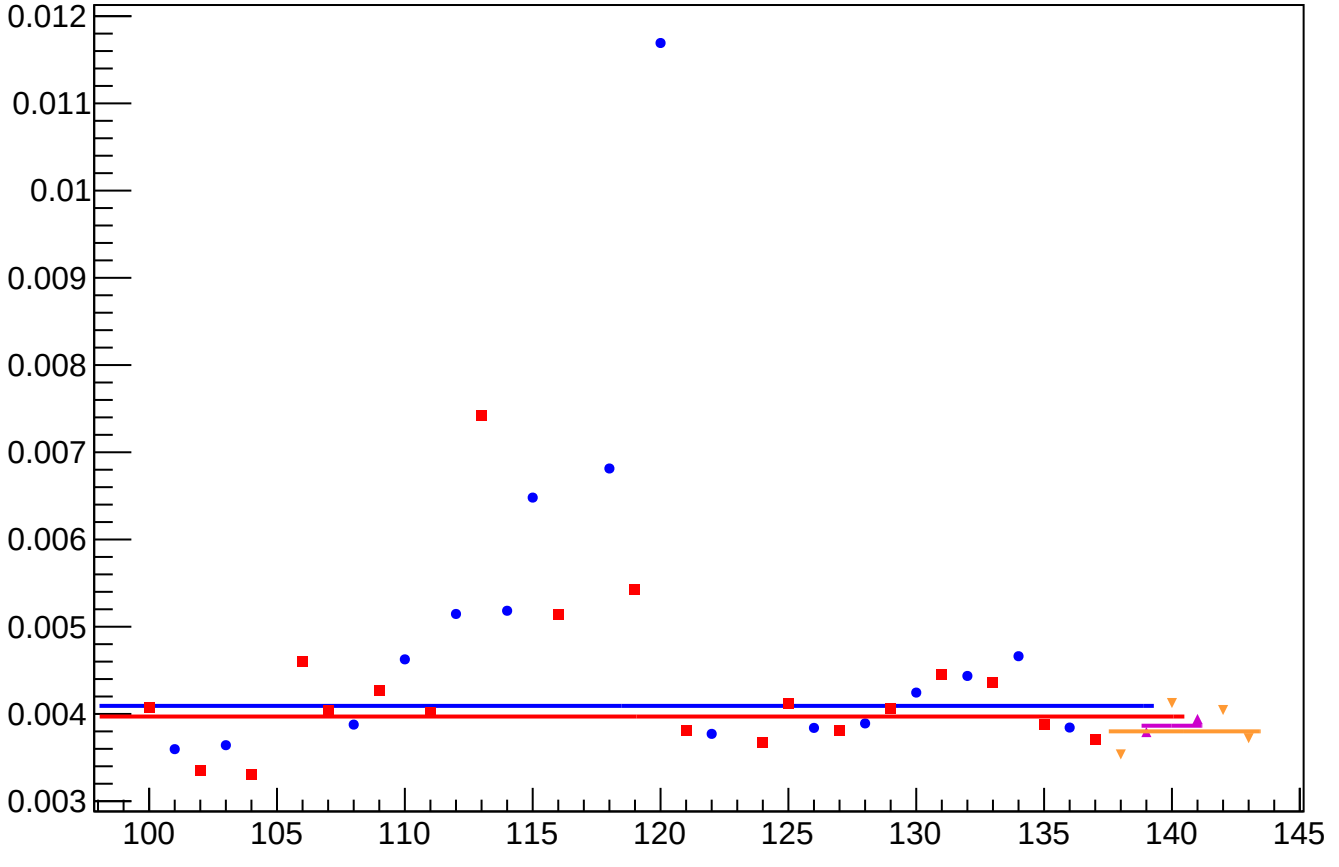
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.371+/-0.000 χ^2/NDF:8960010336.8/17

Out: 0.354+/-0.000 χ^2/NDF:12434623793.7/22

All: 0.361+/-0.000 χ^2/NDF: 21464620598.8/4

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:14885.0/3

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: 16104.8/5

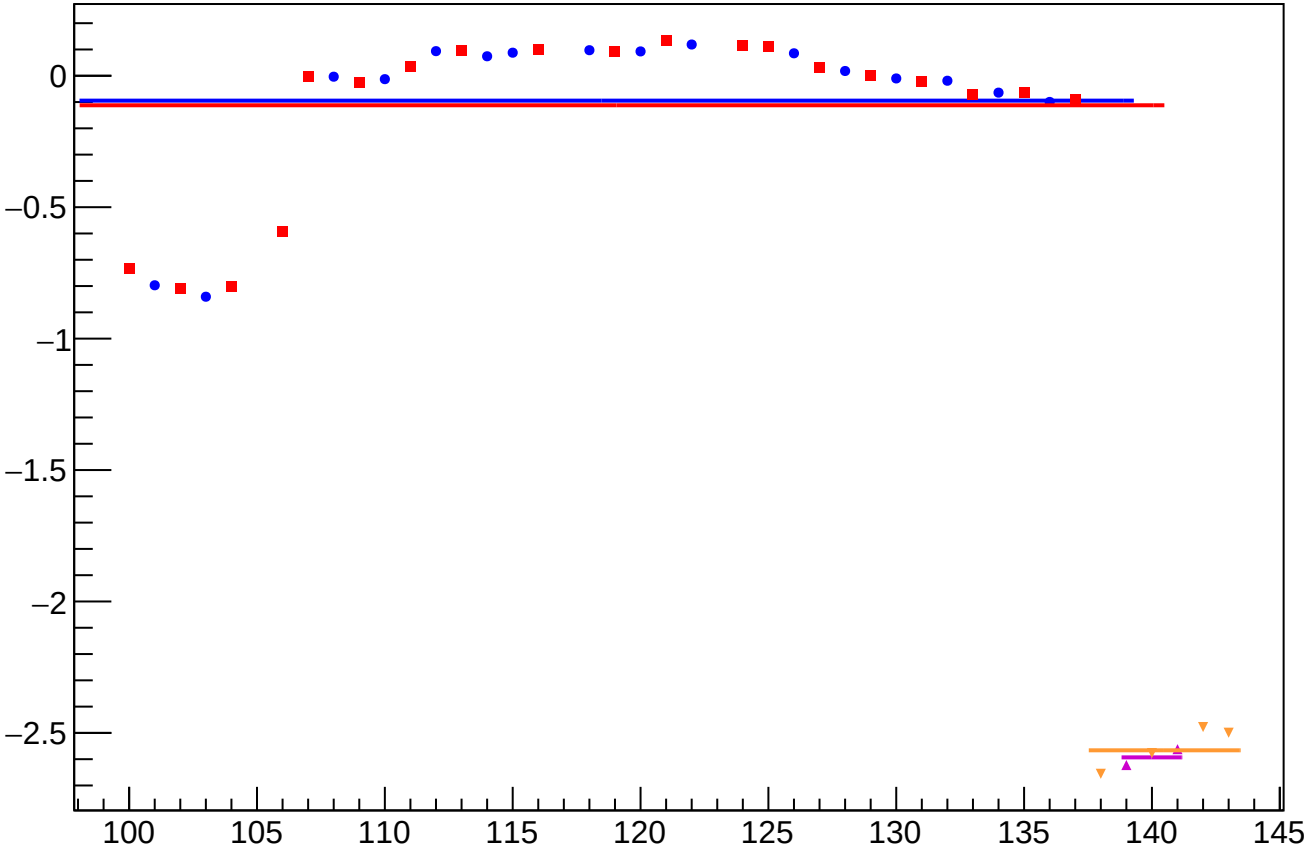
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:498891.1/17

Out: 0.004+/-0.000 χ^2/NDF:334203.3/22

All: 0.004+/-0.000 χ^2/NDF: 840604.4/40

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.566+/-0.000 χ^2/NDF:70312456.0/3

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: -2.577+/-0.000 χ^2/NDF: 82653916.0/5

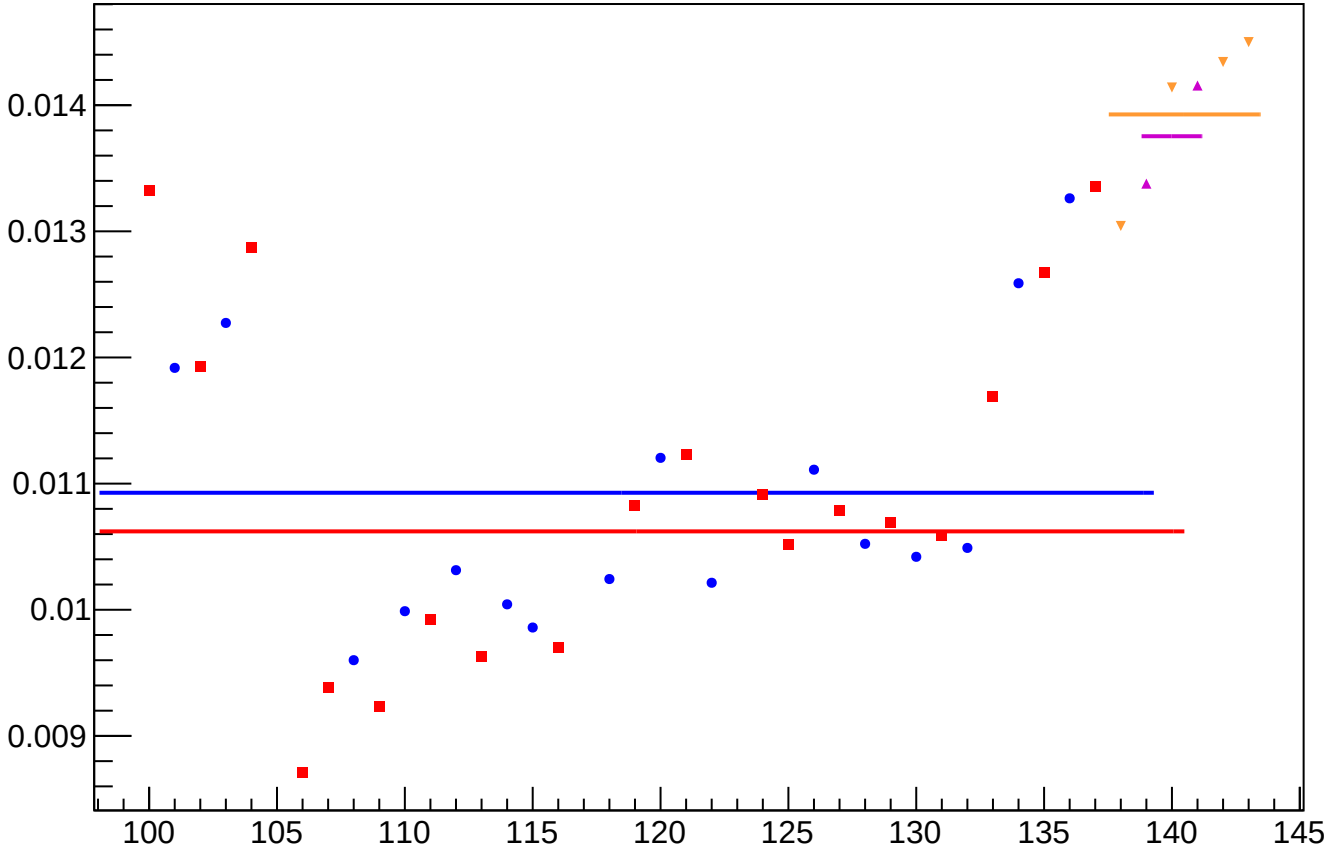
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.426+/-0.000 χ^2/NDF:54817379157.6/17

Out: -0.562+/-0.000 χ^2/NDF:78352891250.5/22

All: -0.499+/-0.000 χ^2/NDF: 133857018618.3

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:10683.5/3

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: 13769.7/5

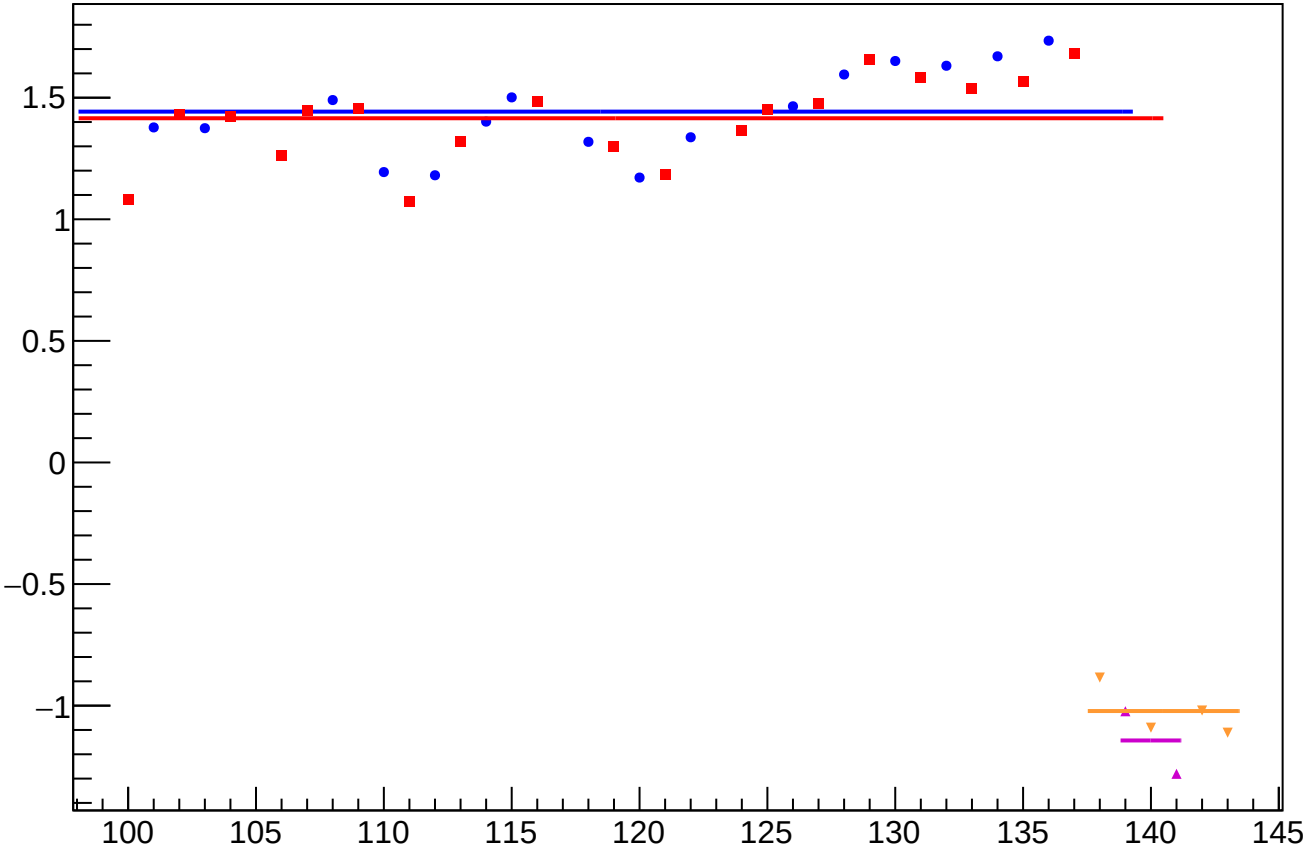
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:265455.0/17

Out: 0.011+/-0.000 χ^2/NDF:462782.4/22

All: 0.011+/-0.000 χ^2/NDF: 728652.4/40

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.022+/-0.000 χ^2/NDF:245251881.1/3

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: -1.067+/-0.000 χ^2/NDF: 650171078.3/5

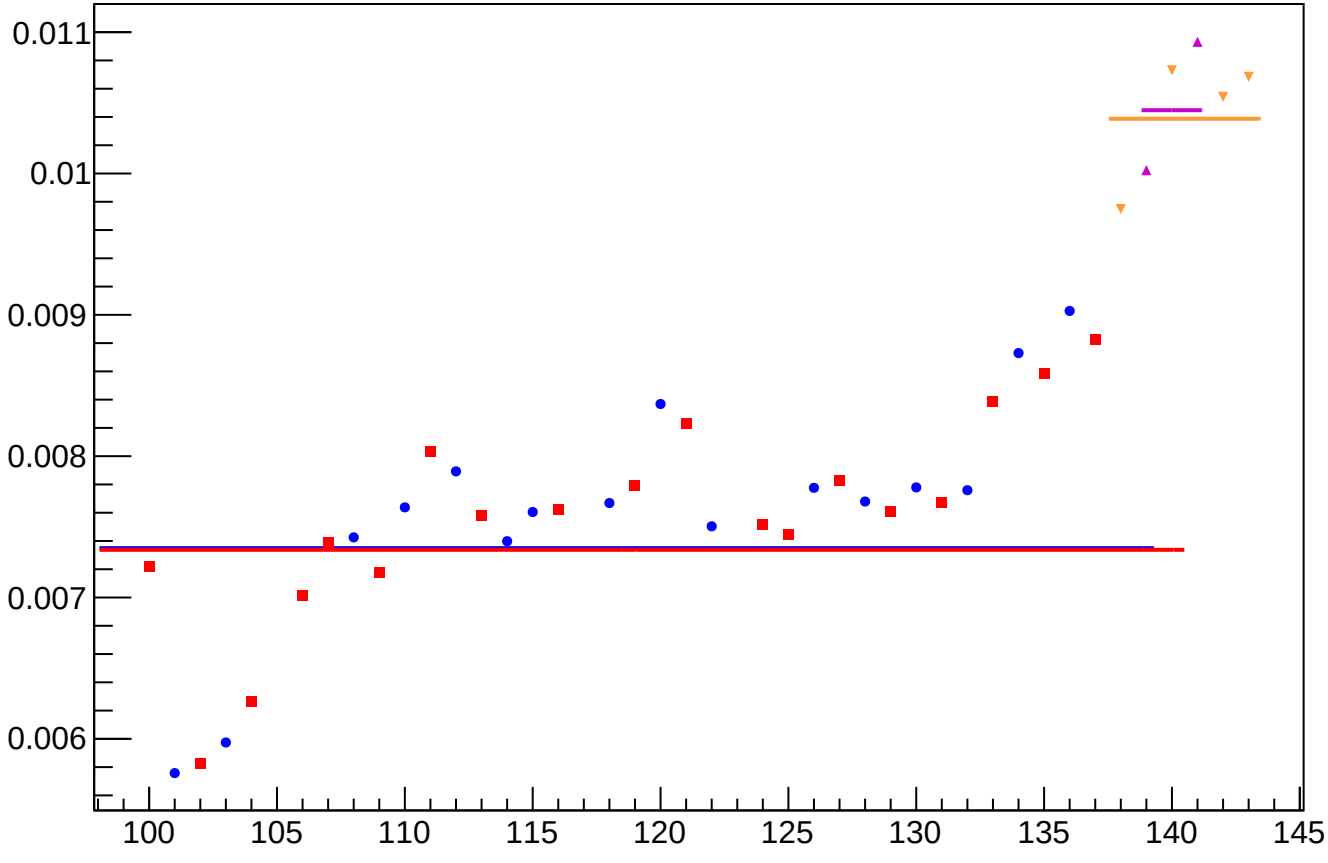
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 1.164+/-0.000 χ^2/NDF:98193005381.2/17

Out: 1.020+/-0.000 χ^2/NDF:135060029951.3/22

All: 1.088+/-0.000 χ^2/NDF: 234863755049.1

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:9822.4/3

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: 16372.4/5

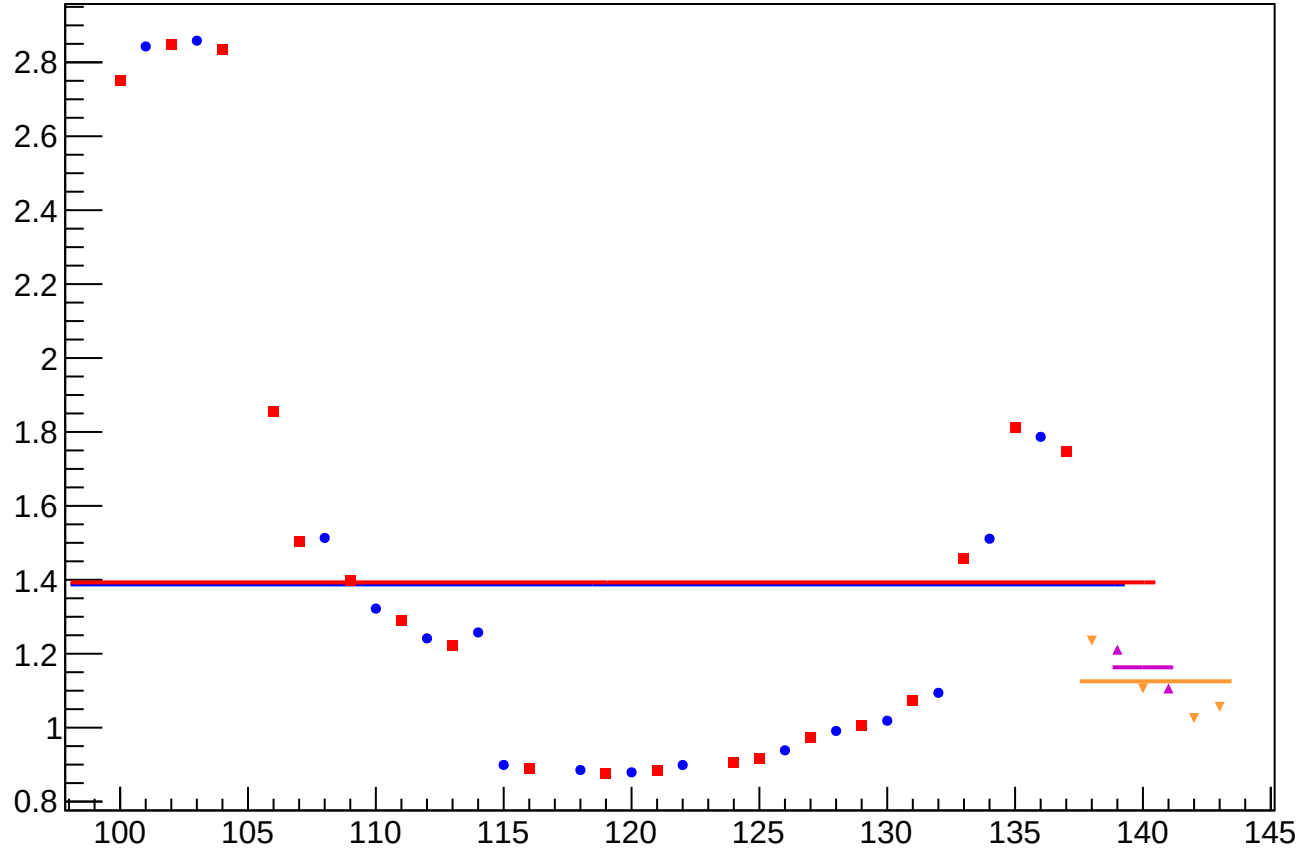
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:547794.4/17

Out: 0.008+/-0.000 χ^2/NDF:618566.0/22

All: 0.008+/-0.000 χ^2/NDF: 1169811.6/40

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.125+/-0.000 χ^2/NDF:277692089.5/3

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: 1.140+/-0.000 χ^2/NDF: 371919920.3/5

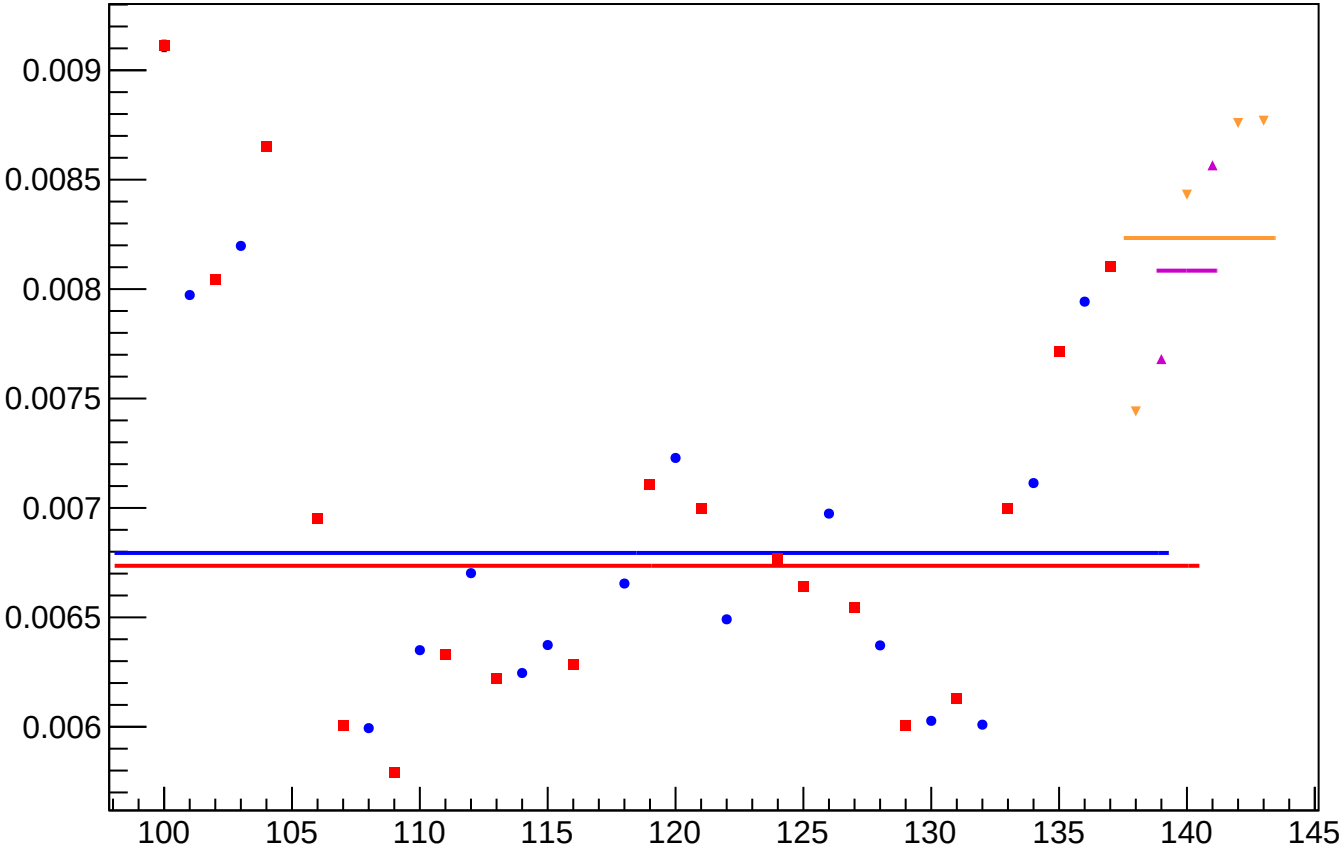
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.355+/-0.000 χ^2/NDF:59808525212.7/17

Out: 1.338+/-0.000 χ^2/NDF:58018015553.8/22

All: 1.346+/-0.000 χ^2/NDF: 117853286173.1

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:27389.8/3

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: 38261.6/5

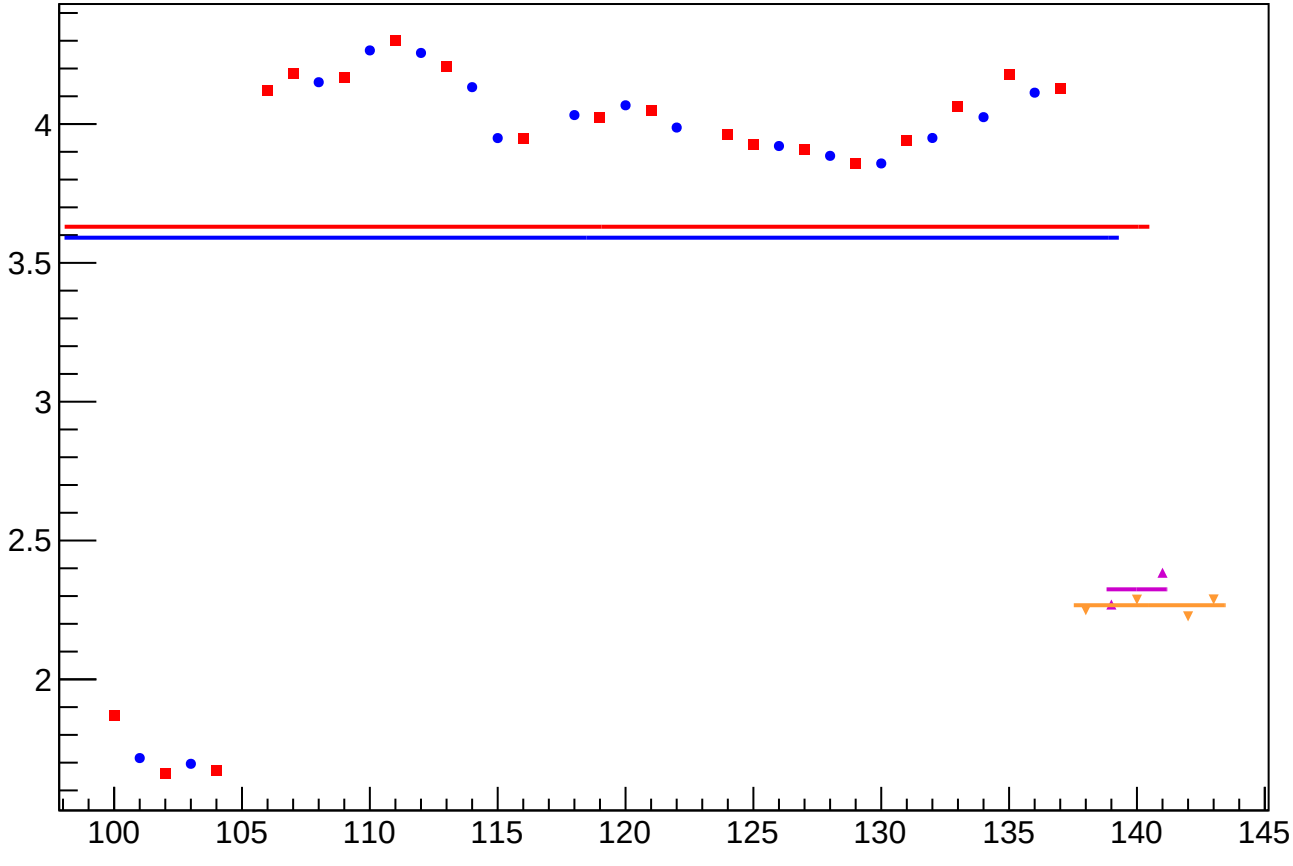
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:248909.4/17

Out: 0.007+/-0.000 χ^2/NDF:374700.4/22

All: 0.007+/-0.000 χ^2/NDF: 624309.1/40

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:30481948.9/3

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: 2.288+/-0.000 χ^2/NDF: 199539828.4/5

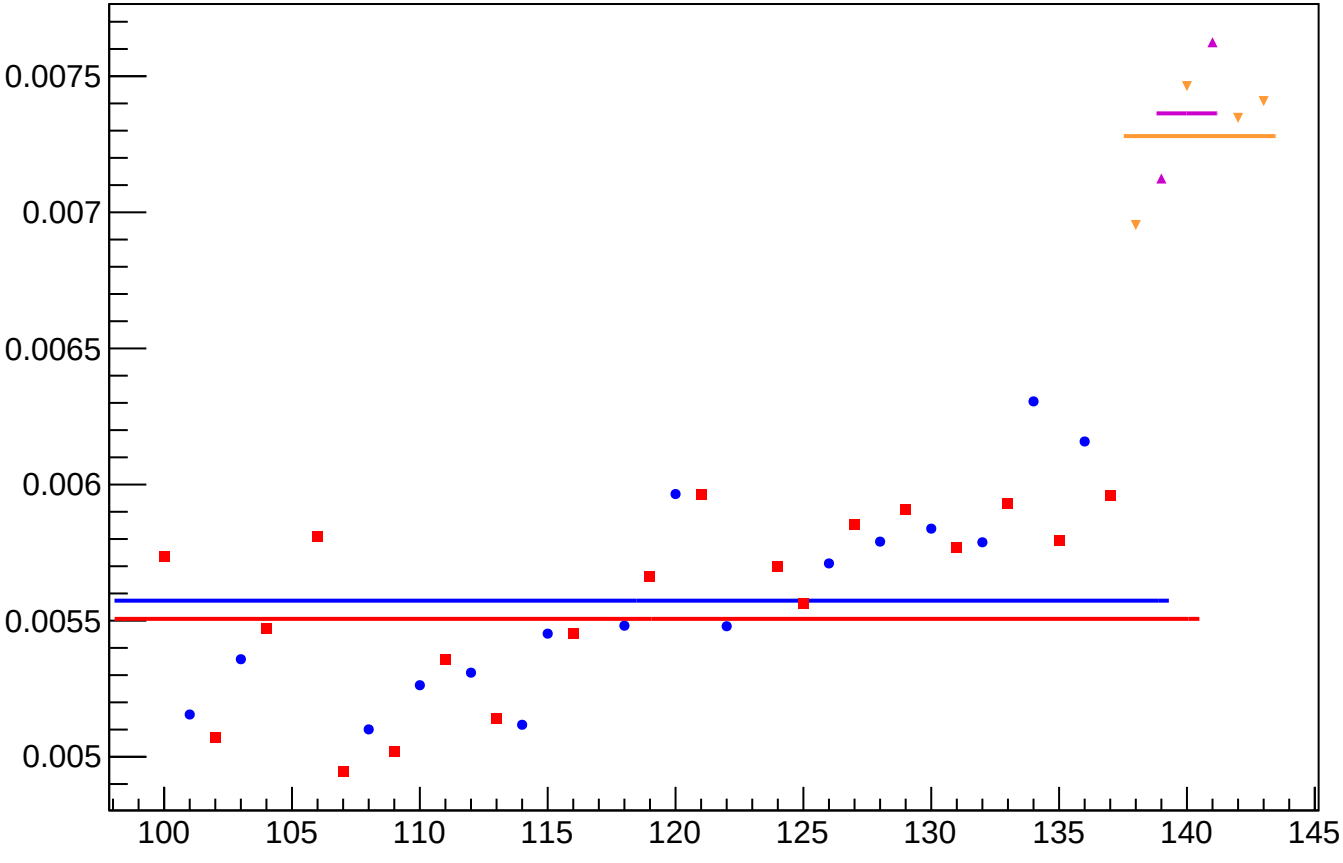
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.438+/-0.000 χ^2/NDF:247013774581.0/17

Out: 3.382+/-0.000 χ^2/NDF:294046124735.2/22

All: 3.408+/-0.000 χ^2/NDF: 541487958155.2

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:4953.0/3

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: 9194.5/5

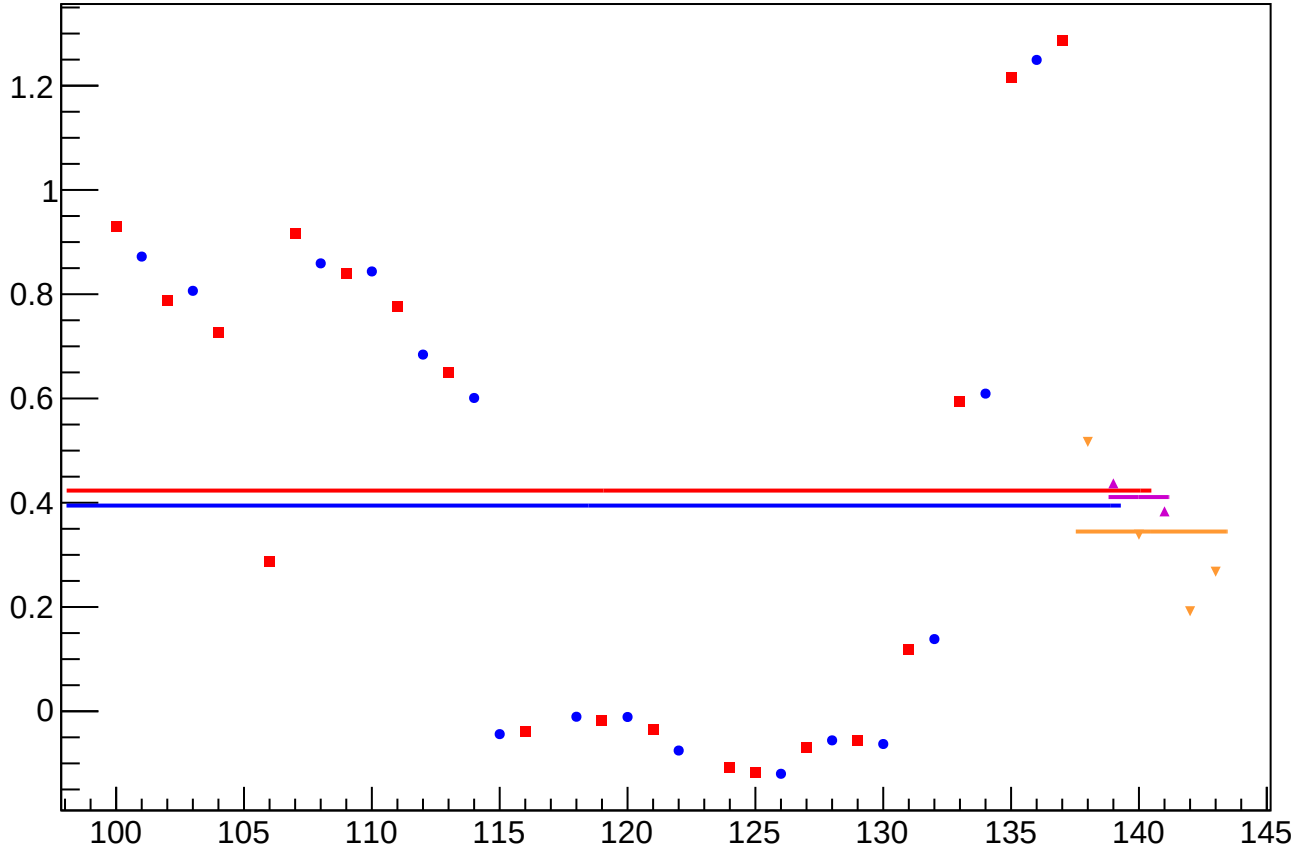
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:241770.0/17

Out: 0.006+/-0.000 χ^2/NDF:337989.2/22

All: 0.006+/-0.000 χ^2/NDF: 580191.8/40

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.345+/-0.000 χ^2/NDF:148318110.5/3

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: 0.369+/-0.000 χ^2/NDF: 170308751.4/5

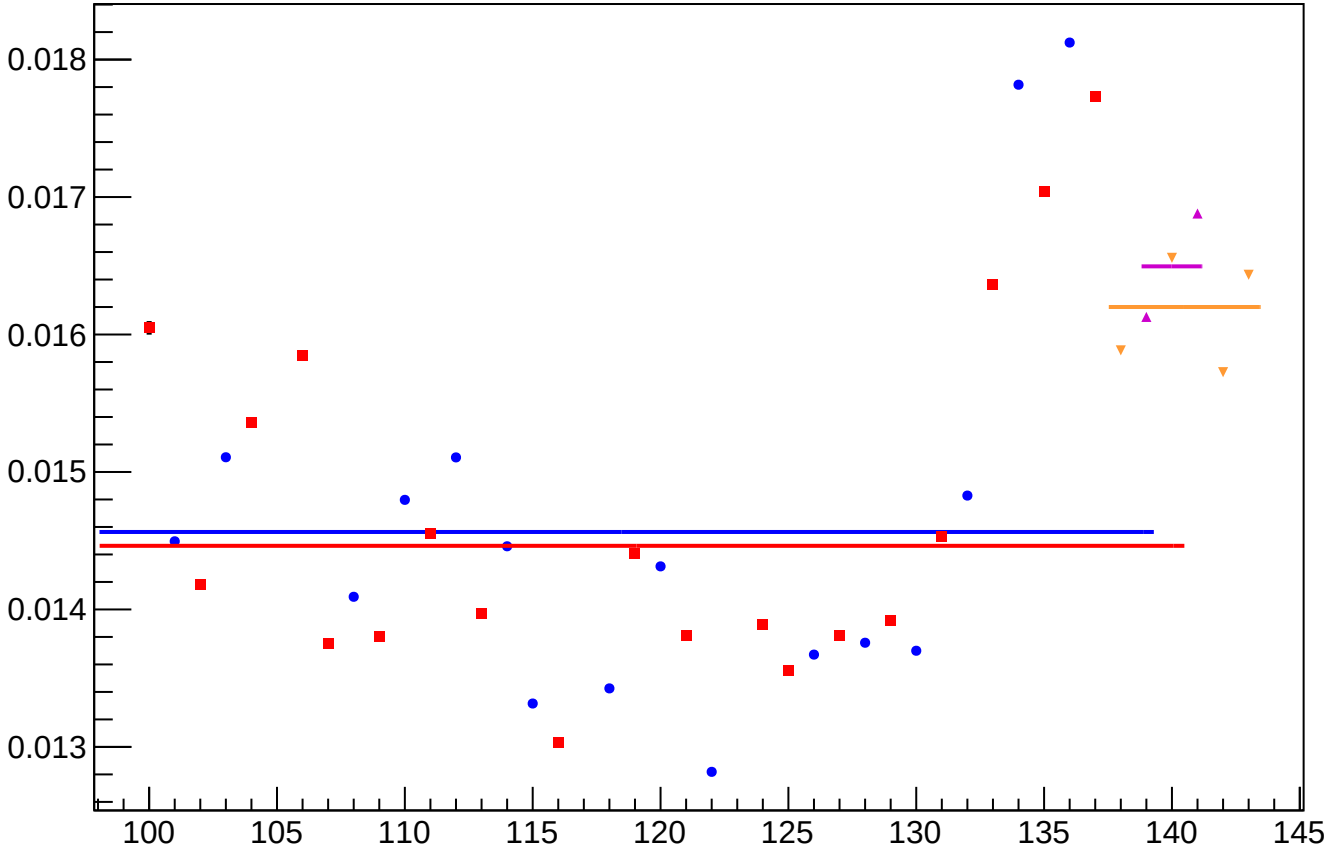
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.397+/-0.000 χ^2/NDF:7418511273.0/17

Out: 0.405+/-0.000 χ^2/NDF:7103303675.4/22

All: 0.401+/-0.000 χ^2/NDF: 14523029370.9/4

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:2500.7/3

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: 4984.0/5

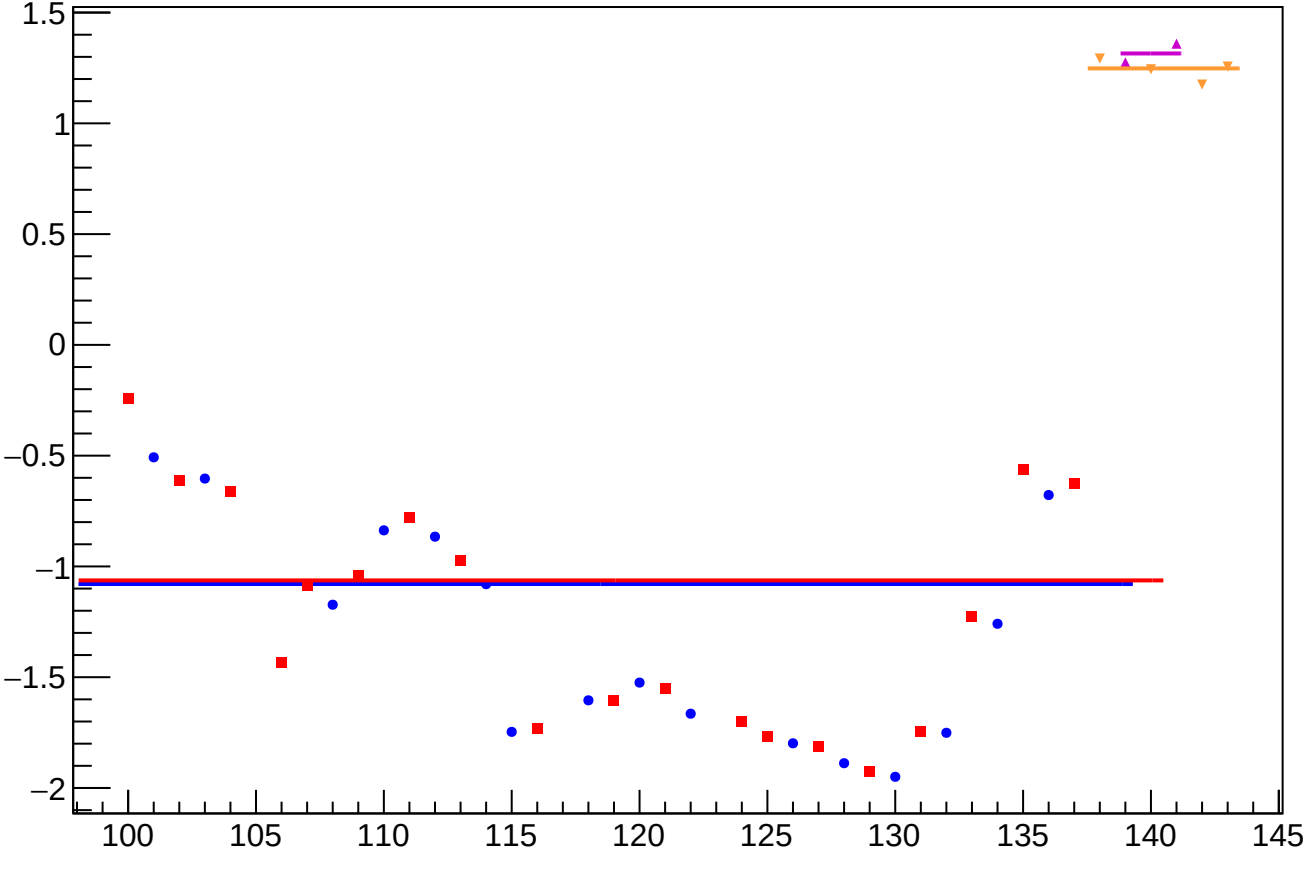
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:174602.4/17

Out: 0.015+/-0.000 χ^2/NDF:129690.4/22

All: 0.015+/-0.000 χ^2/NDF: 304293.4/40

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.248+/-0.000 χ^2/NDF:270121954.9/3

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: 1.270+/-0.000 χ^2/NDF: 692453765.7/5

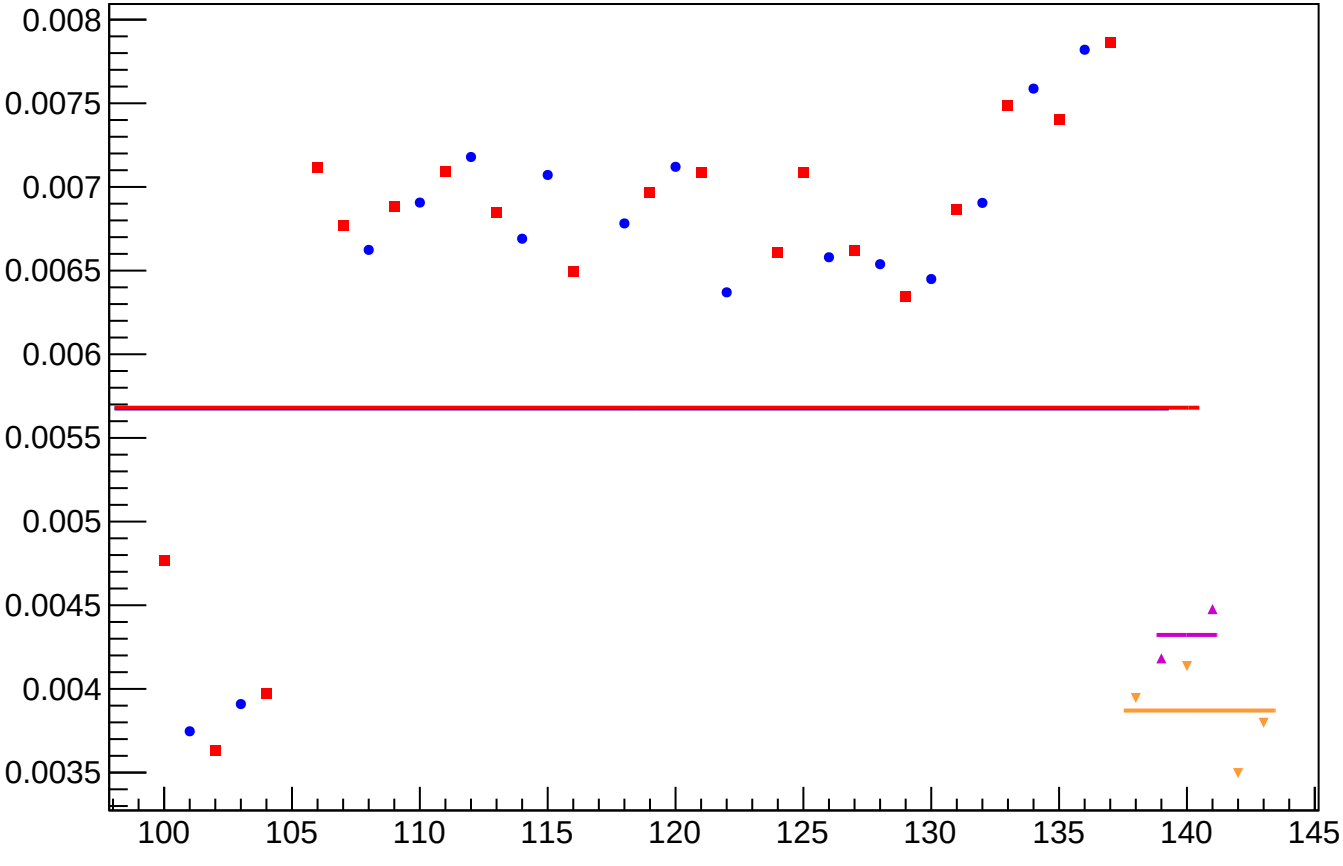
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: -0.346+/-0.000 χ^2/NDF:407170681124.2/17

Out: 0.033+/-0.000 χ^2/NDF:556233006885.9/22

All: -0.129+/-0.000 χ^2/NDF: 986719751112.6

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:16804.4/3

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: 44598.6/5

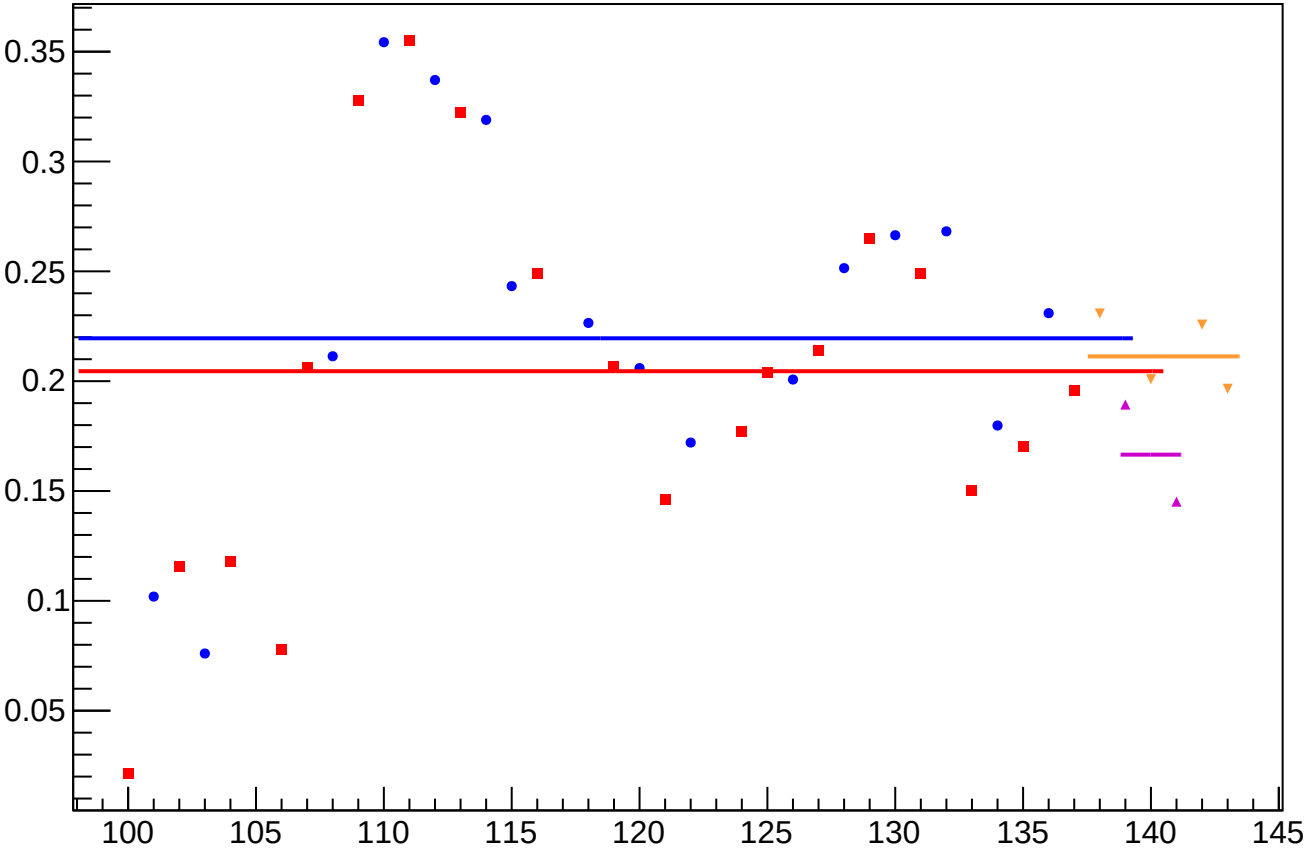
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1170416.7/17

Out: 0.005+/-0.000 χ^2/NDF:1618143.1/22

All: 0.005+/-0.000 χ^2/NDF: 2851316.2/40

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.211+/-0.000 χ^2/NDF:341274693.8/3

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: 0.195+/-0.000 χ^2/NDF: 1859690299.1/5

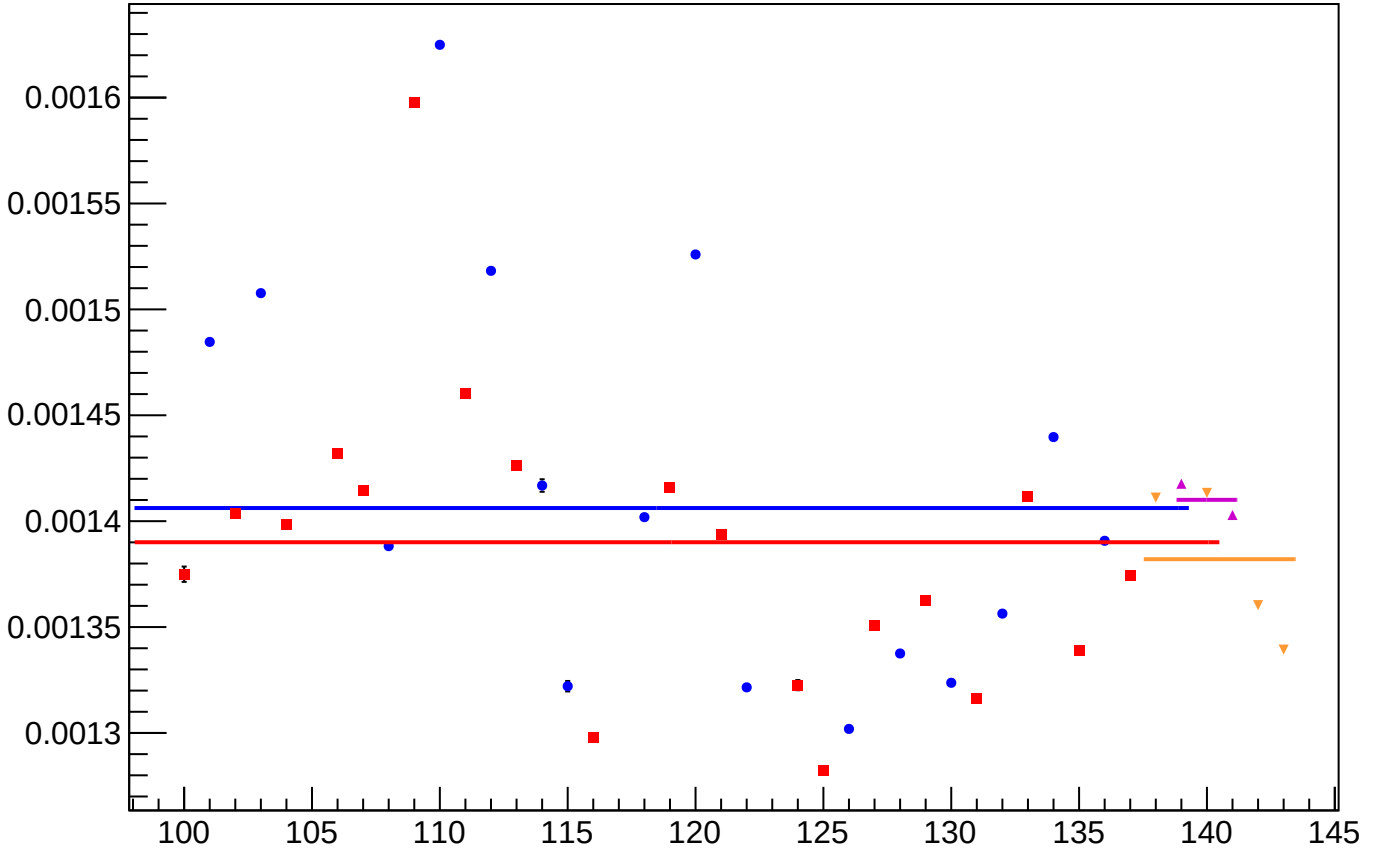
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.209+/-0.000 χ^2/NDF:19098696302.7/17

Out: 0.206+/-0.000 χ^2/NDF:22702374891.6/22

All: 0.208+/-0.000 χ^2/NDF: 41817300131.0/4

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:3350.0/3

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: 4305.1/5

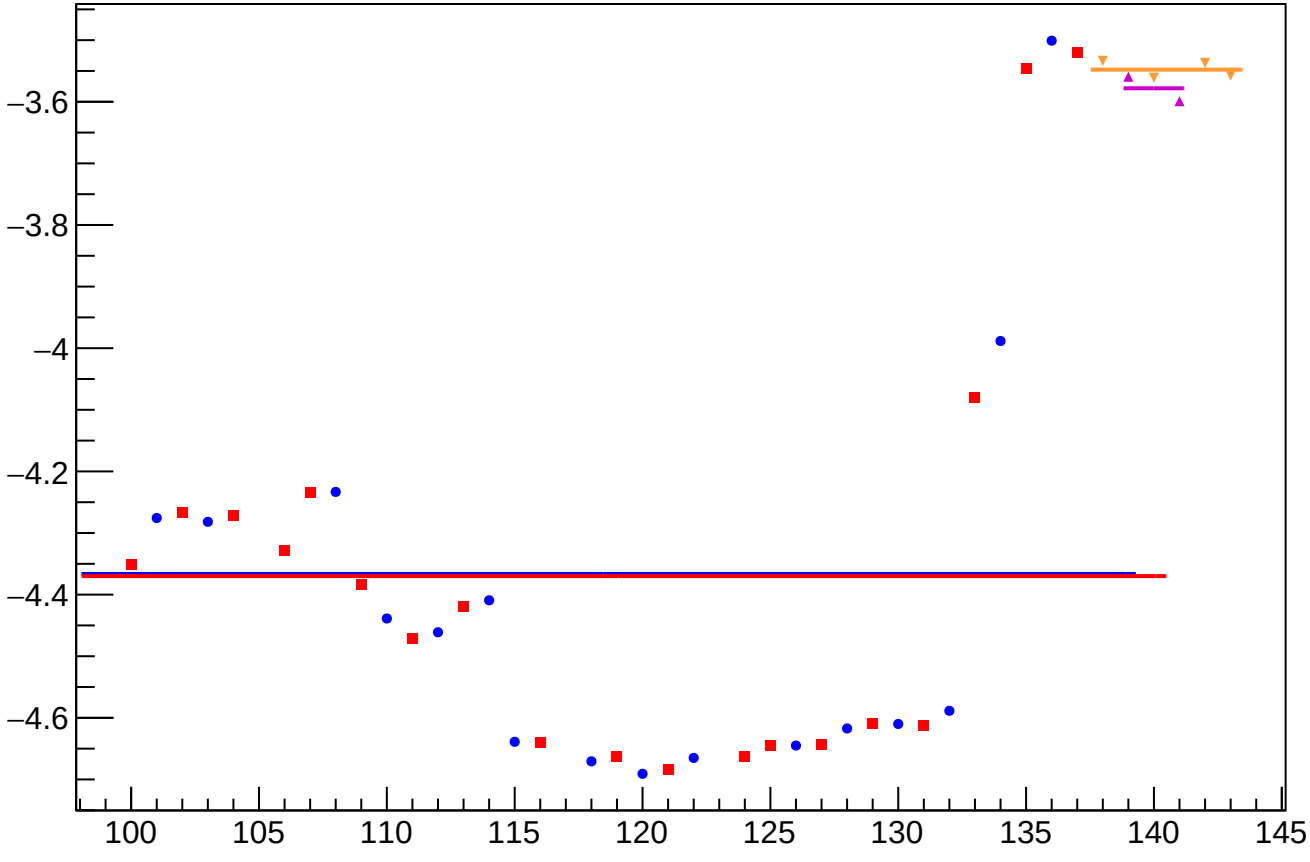
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:48315.6/17

Out: 0.001+/-0.000 χ^2/NDF:38274.6/22

All: 0.001+/-0.000 χ^2/NDF: 88351.9/40

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.548+/-0.000 χ^2/NDF:136999530.5/3

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: -3.560+/-0.000 χ^2/NDF: 662320246.0/5

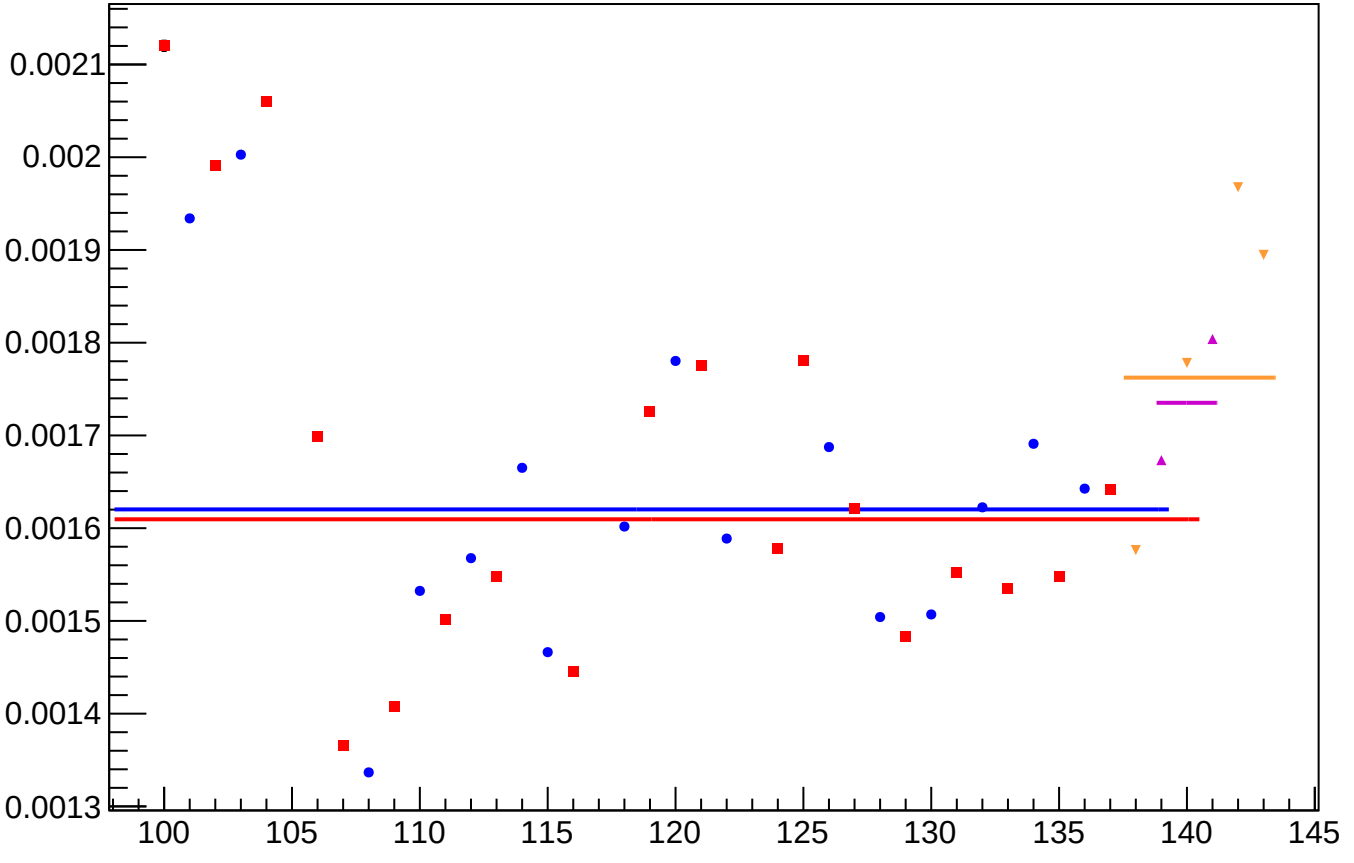
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.229+/-0.000 χ^2/NDF:636201725725.0/17

Out: -4.174+/-0.000 χ^2/NDF:739724301475.4/22

All: -4.200+/-0.000 χ^2/NDF: 1381182357516

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:36749.6/3

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4689.7/1

Left: 0.002+/-0.000 χ^2/NDF: 41934.6/5

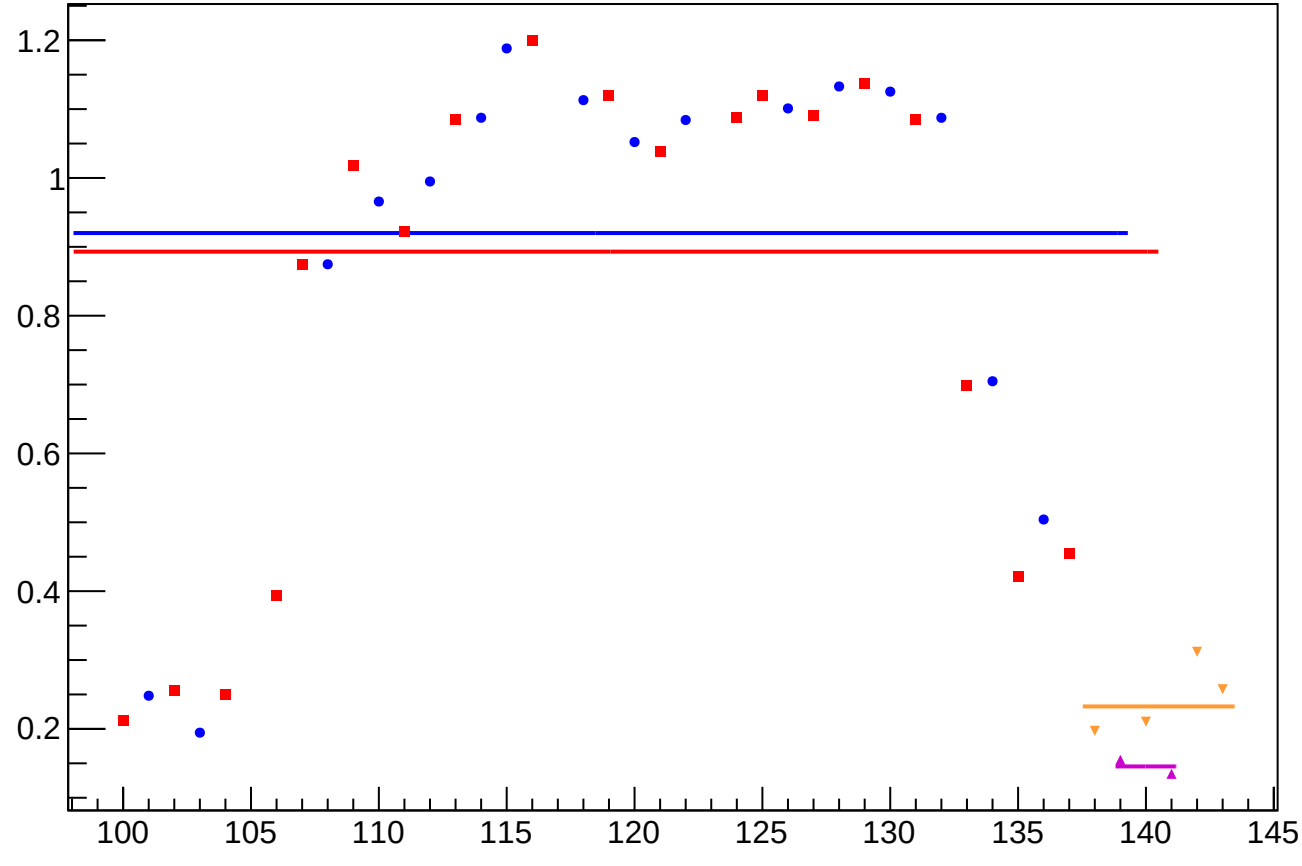
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:156937.2/17

Out: 0.002+/-0.000 χ^2/NDF:252337.6/22

All: 0.002+/-0.000 χ^2/NDF: 409389.5/40

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.233+/-0.000 χ^2/NDF:60247855.0/3

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.145+/-0.000 χ^2/NDF:2427884.8/1

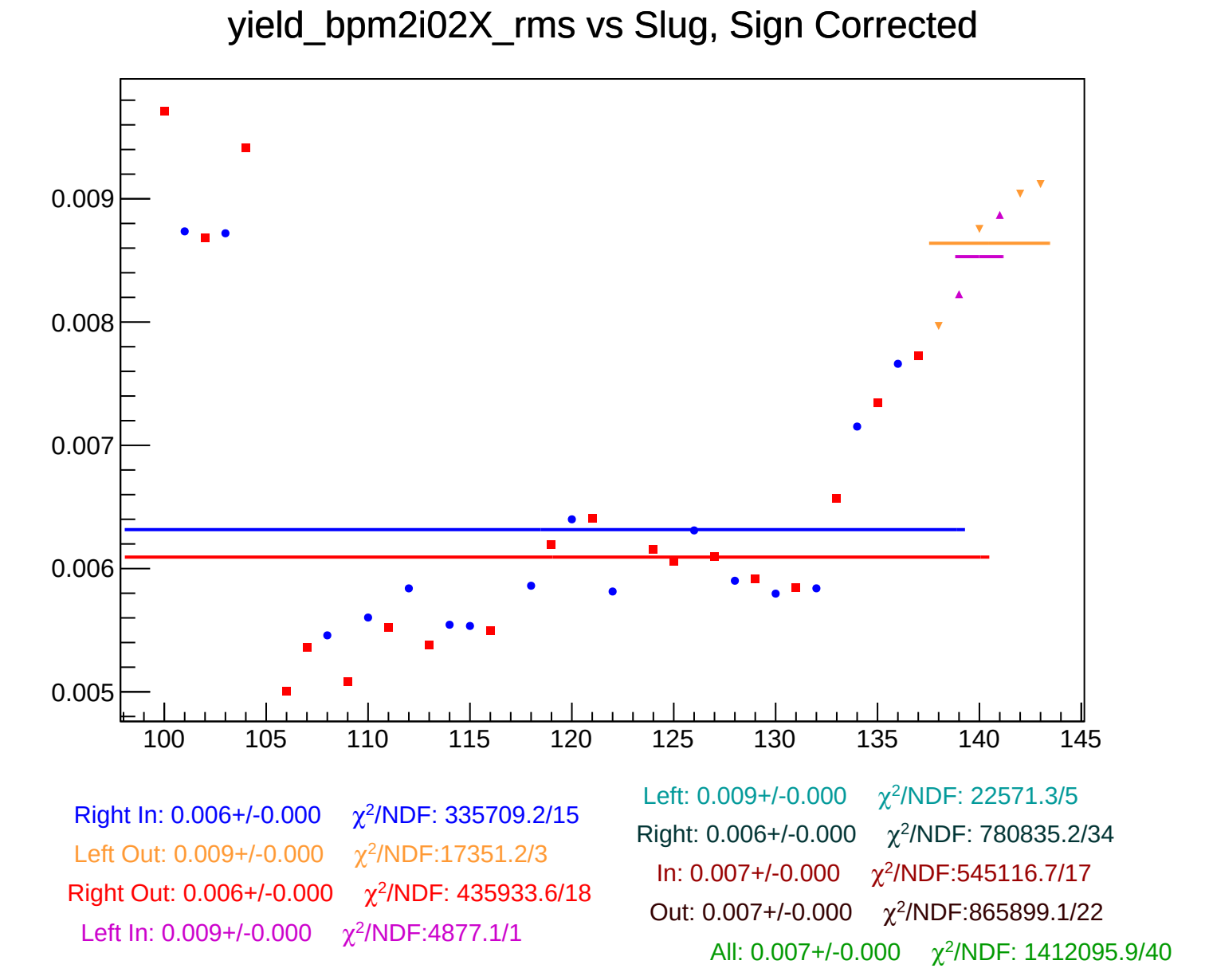
Left: 0.199+/-0.000 χ^2/NDF: 173358930.8/5

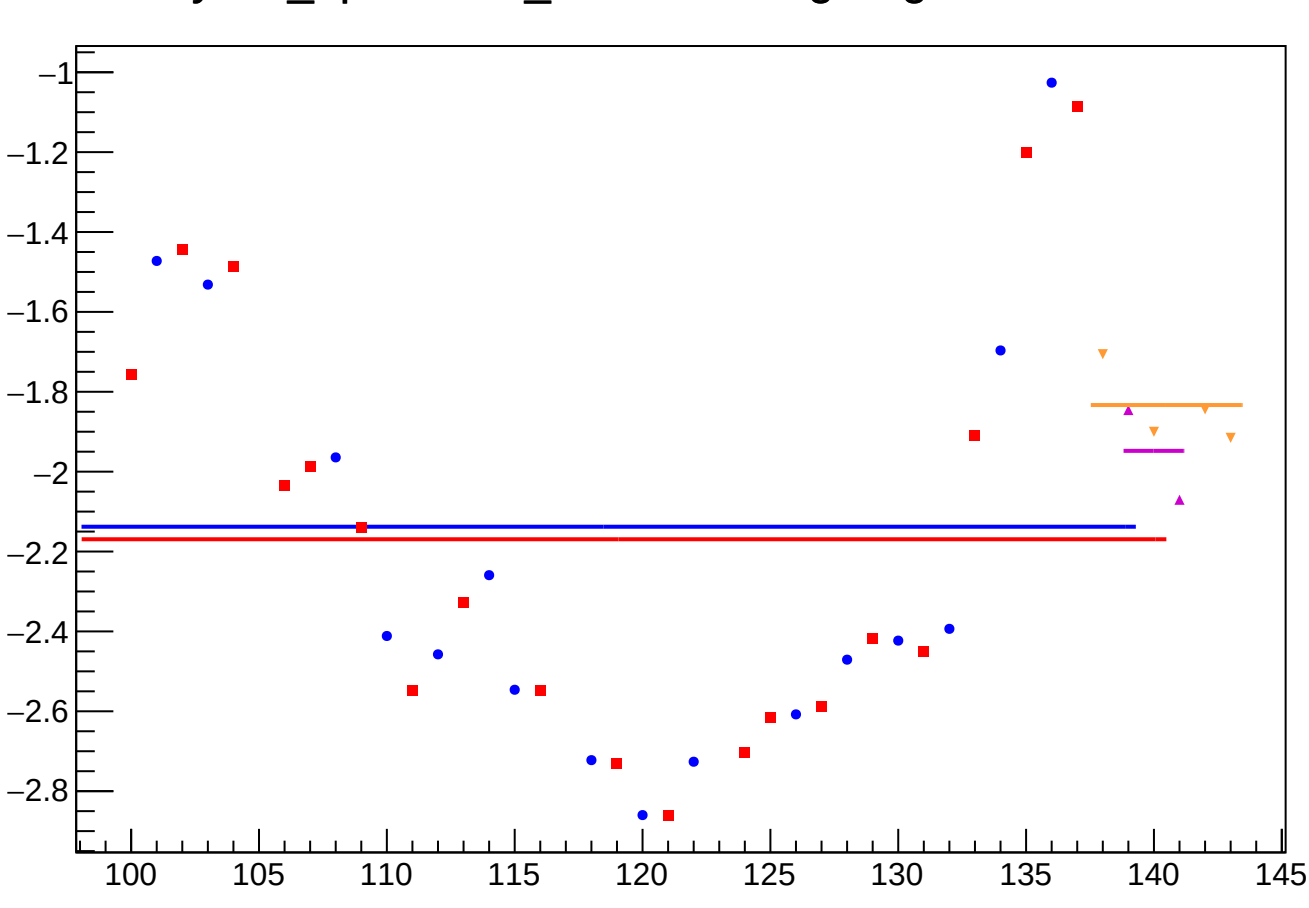
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.828+/-0.000 χ^2/NDF:27076180258.4/17

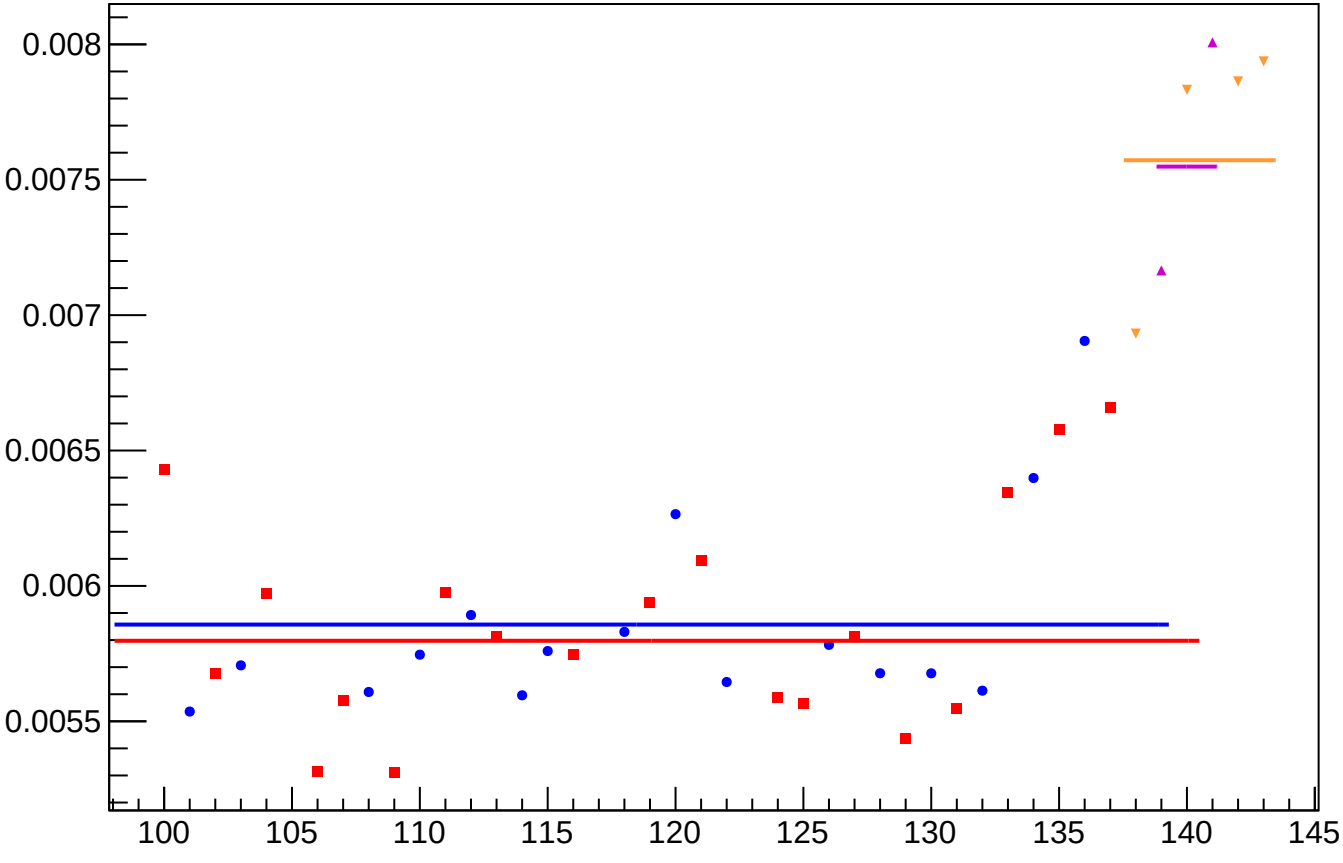
Out: 0.785+/-0.000 χ^2/NDF:31582964805.0/22

All: 0.805+/-0.000 χ^2/NDF: 58855244616.8/4


yield_bpm2i02X_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
100
105
110
115
120
125
130
135
140
145
Right In: 0.006+/-0.000 χ²/NDF: 335709.2/15
Left Out: 0.009+/-0.000 χ²/NDF:17351.2/3
Right Out: 0.006+/-0.000 χ²/NDF: 435933.6/18
Left In: 0.009+/-0.000 χ²/NDF:4877.1/1
Left: 0.009+/-0.000 χ²/NDF: 22571.3/5
Right: 0.006+/-0.000 χ²/NDF: 780835.2/34
In: 0.007+/-0.000 χ²/NDF:545116.7/17
Out: 0.007+/-0.000 χ²/NDF:865899.1/22
All: 0.007+/-0.000 χ²/NDF: 1412095.9/40


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
105
110
115
120
125
130
135
140
145
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -1.833+/-0.000 χ²/NDF:410885465.5/3
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -1.948+/-0.000 χ²/NDF:377915028.2/1
Left: -1.876+/-0.000 χ²/NDF: 1036358663.6/5
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.114+/-0.000 χ²/NDF:66997014099.5/17
Out: -2.108+/-0.000 χ²/NDF:62417534936.6/22
All: -2.111+/-0.000 χ²/NDF: 129419700945.5

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:19731.7/3

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:10629.9/1

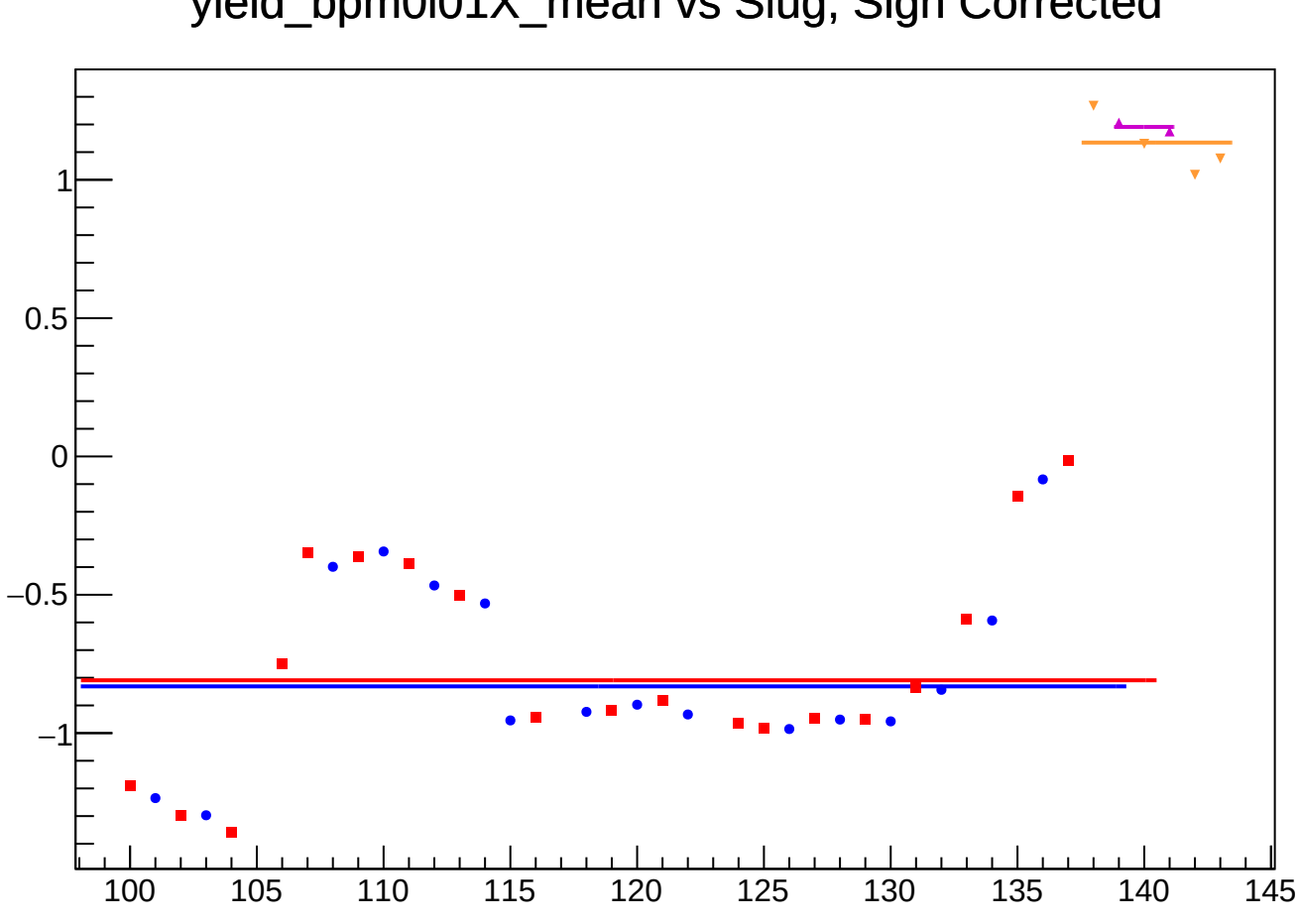
Left: 0.008+/-0.000 χ^2/NDF: 30382.5/5

Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

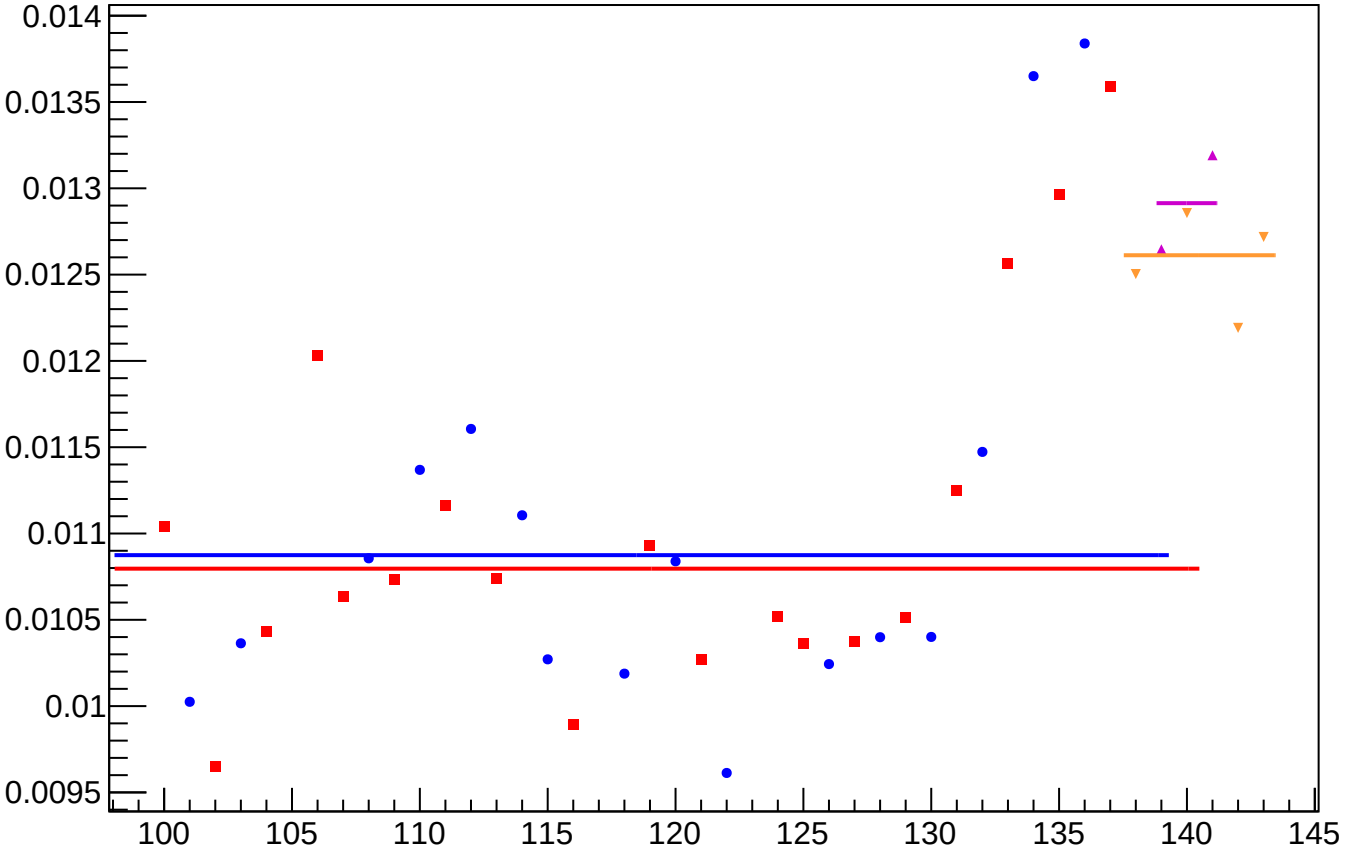
In: 0.006+/-0.000 χ^2/NDF:223616.9/17

Out: 0.006+/-0.000 χ^2/NDF:332568.0/22

All: 0.006+/-0.000 χ^2/NDF: 556895.4/40


yield_bpm0i01X_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
105
110
115
120
125
130
135
140
145
Right In: -0.831+/-0.000 χ²/NDF: 7112259663.3/15
Left Out: 1.135+/-0.000 χ²/NDF:142993315.8/3
Right Out: -0.809+/-0.000 χ²/NDF: 8146337898.7/18
Left In: 1.191+/-0.000 χ²/NDF:2582653.9/1
Left: 1.155+/-0.000 χ²/NDF: 166444396.6/5
Right: -0.820+/-0.000 χ²/NDF: 15273298764.6/34
In: -0.533+/-0.000 χ²/NDF:43037313573.8/17
Out: -0.374+/-0.000 χ²/NDF:60678271425.2/22
All: -0.448+/-0.000 χ²/NDF: 104646785815.3

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:1867.7/3

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:1531.0/1

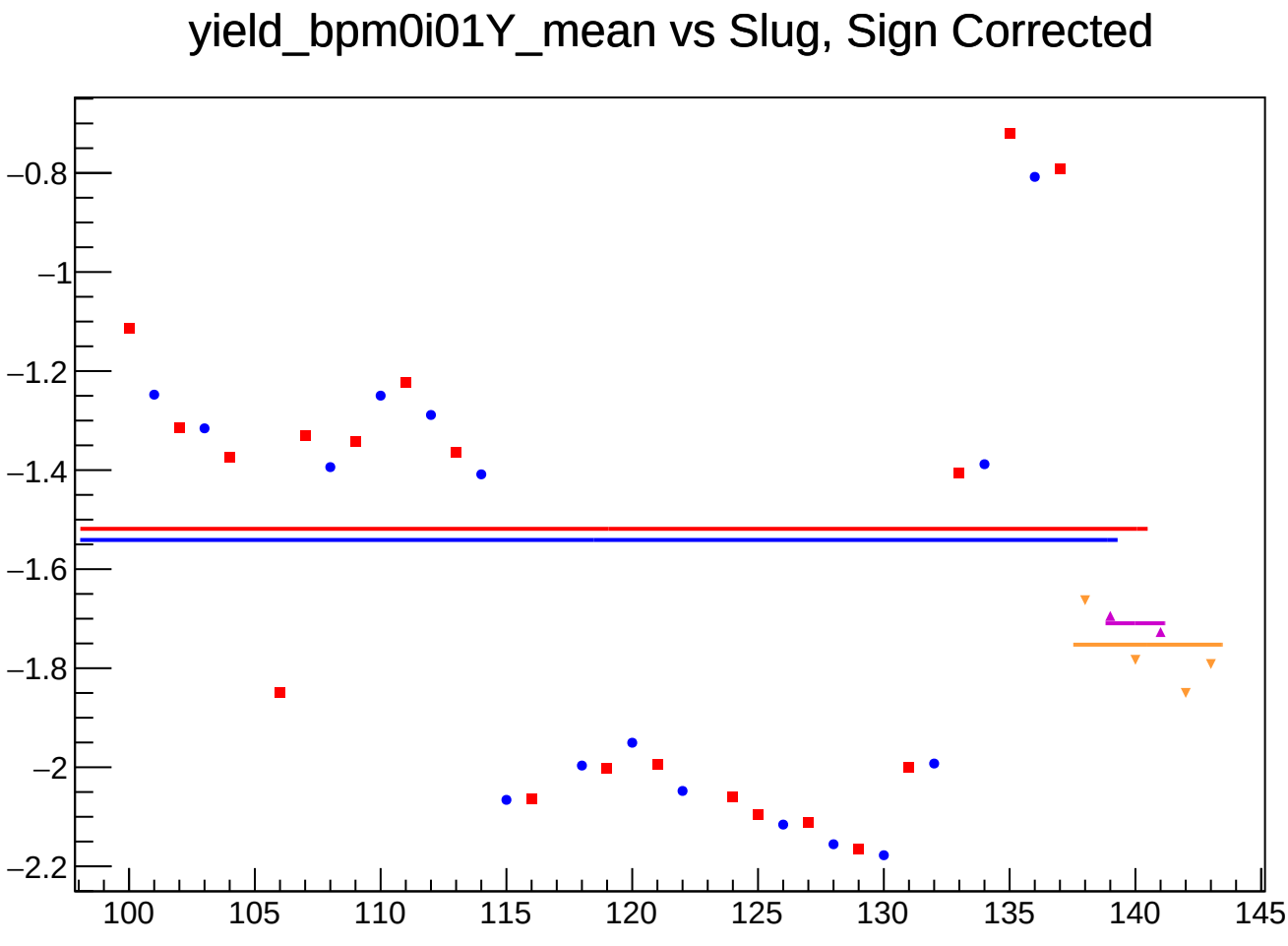
Left: 0.013+/-0.000 χ^2/NDF: 4589.0/5

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:192443.3/22

All: 0.011+/-0.000 χ^2/NDF: 424708.8/40



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.752+/-0.000 χ^2/NDF:1452074355.6/3

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: -1.736+/-0.000 χ^2/NDF: 1723451433.8/5

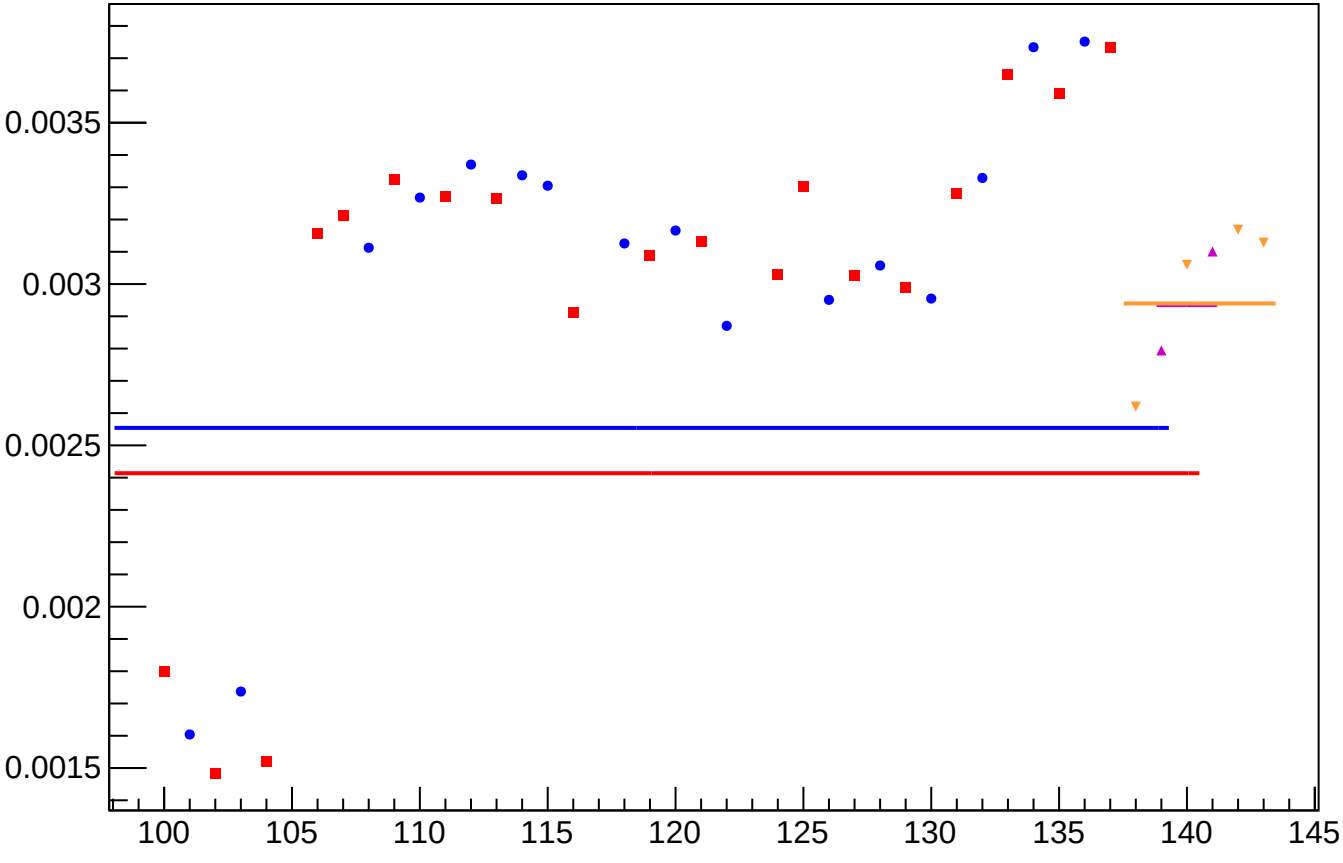
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.570+/-0.000 χ^2/NDF:166927159219.0/17

Out: -1.574+/-0.000 χ^2/NDF:159688383292.0/22

All: -1.572+/-0.000 χ^2/NDF: 326626428970.2

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:34456.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:8879.9/1

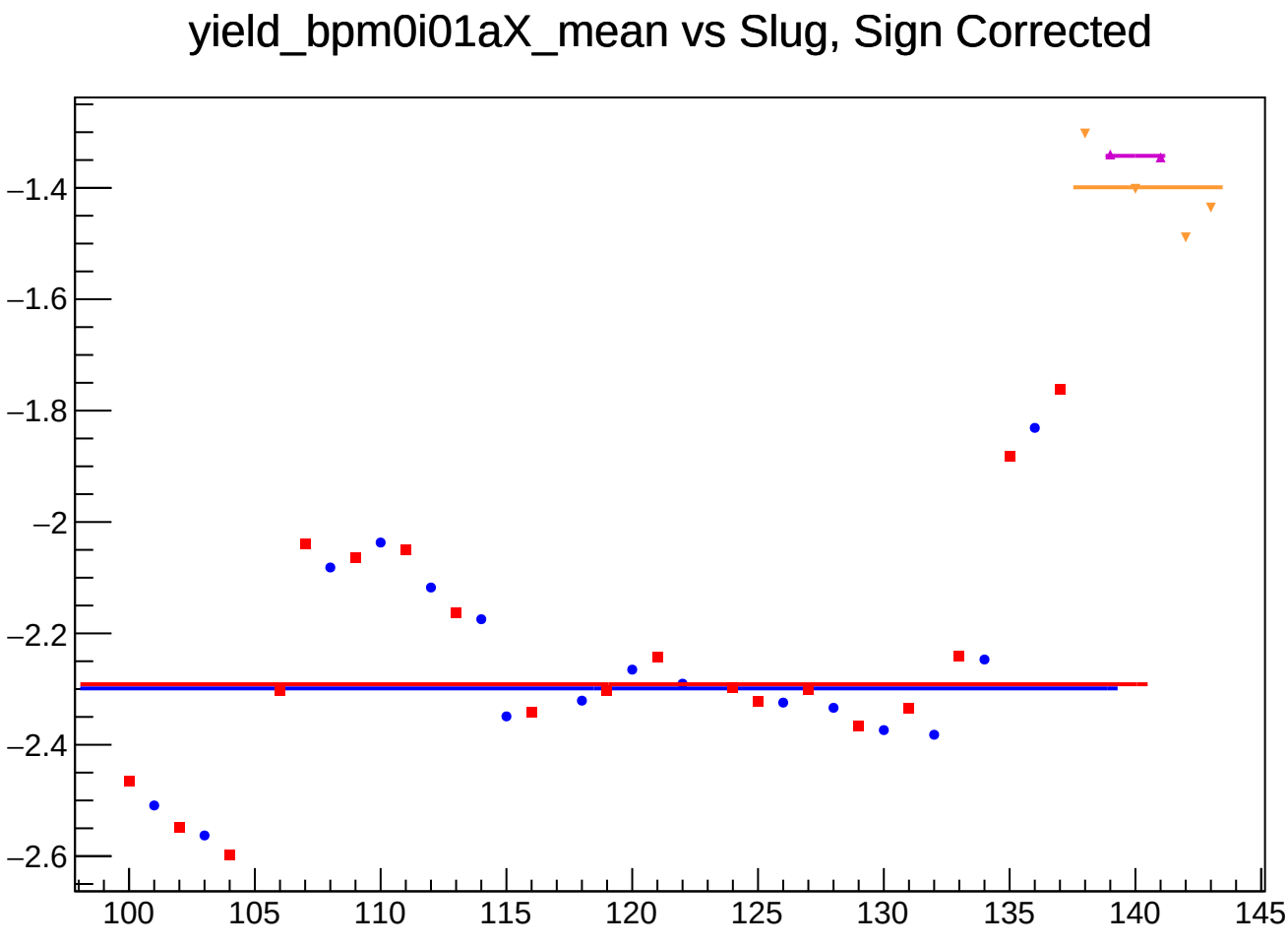
Left: 0.003+/-0.000 χ^2/NDF: 43342.2/5

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

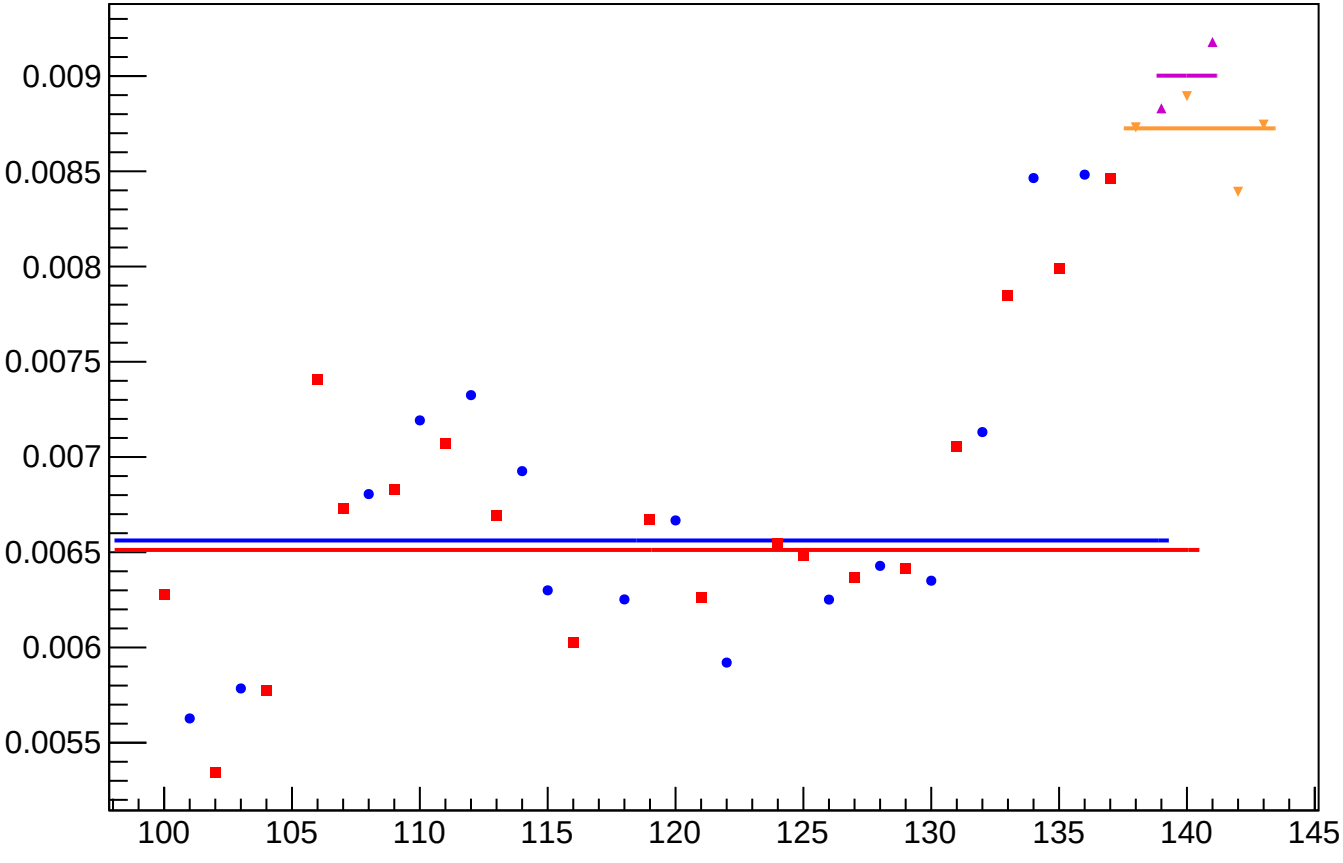
In: 0.003+/-0.000 χ^2/NDF:1227063.8/17

Out: 0.003+/-0.000 χ^2/NDF:1714478.4/22

All: 0.003+/-0.000 χ^2/NDF: 2949472.9/40


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
105
110
115
120
125
130
135
140
145
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.399+/-0.000 χ²/NDF:156706002.5/3
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.342+/-0.000 χ²/NDF:145810.5/1
Left: -1.378+/-0.000 χ²/NDF: 199730869.5/5
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.188+/-0.000 χ²/NDF:23202381629.8/17
Out: -2.129+/-0.000 χ²/NDF:31224674555.8/22
All: -2.157+/-0.000 χ²/NDF: 54757728073.5/

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:1965.0/3

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: 5305.4/5

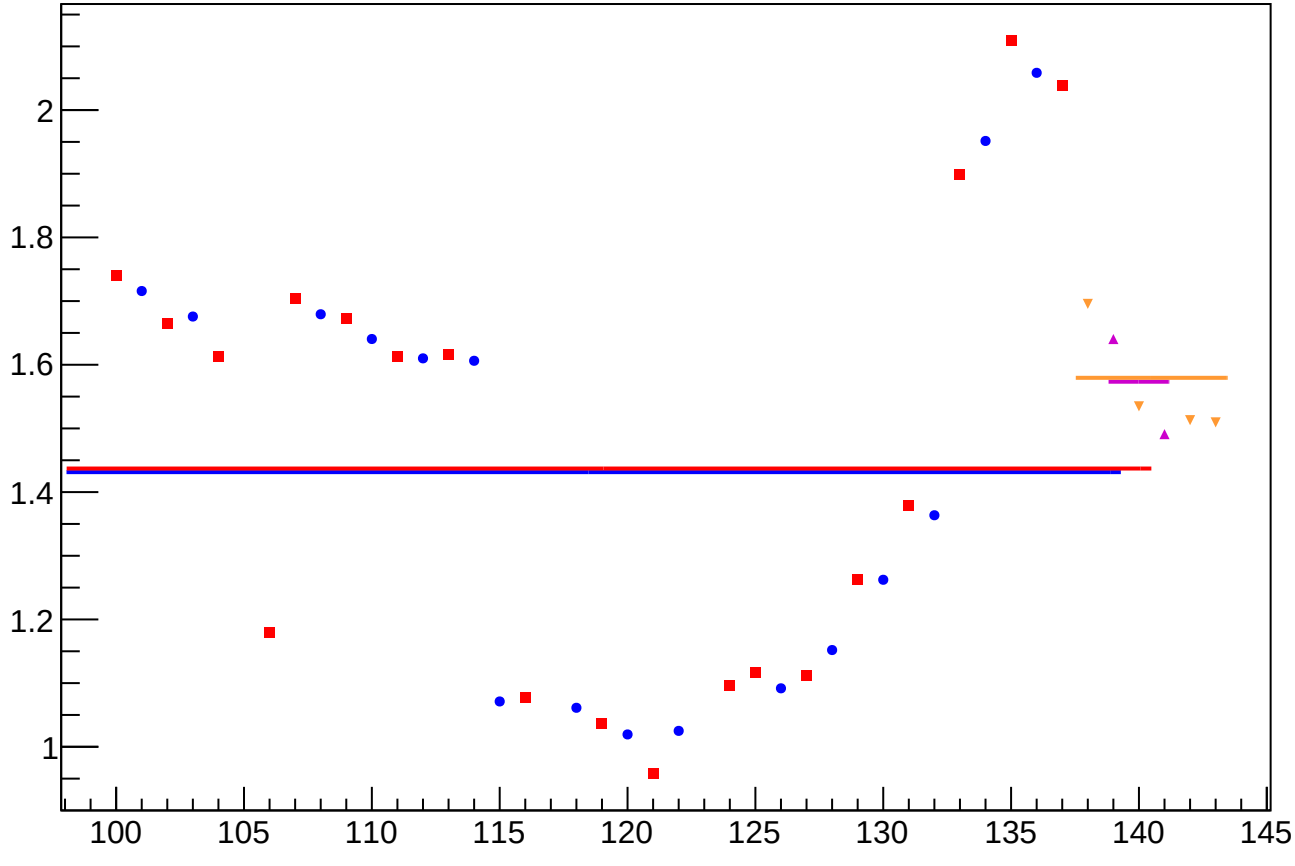
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:445525.5/17

Out: 0.007+/-0.000 χ^2/NDF:485142.8/22

All: 0.007+/-0.000 χ^2/NDF: 931589.6/40

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.579+/-0.000 χ^2/NDF:827921405.1/3

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.573+/-0.000 χ^2/NDF:416294982.4/1

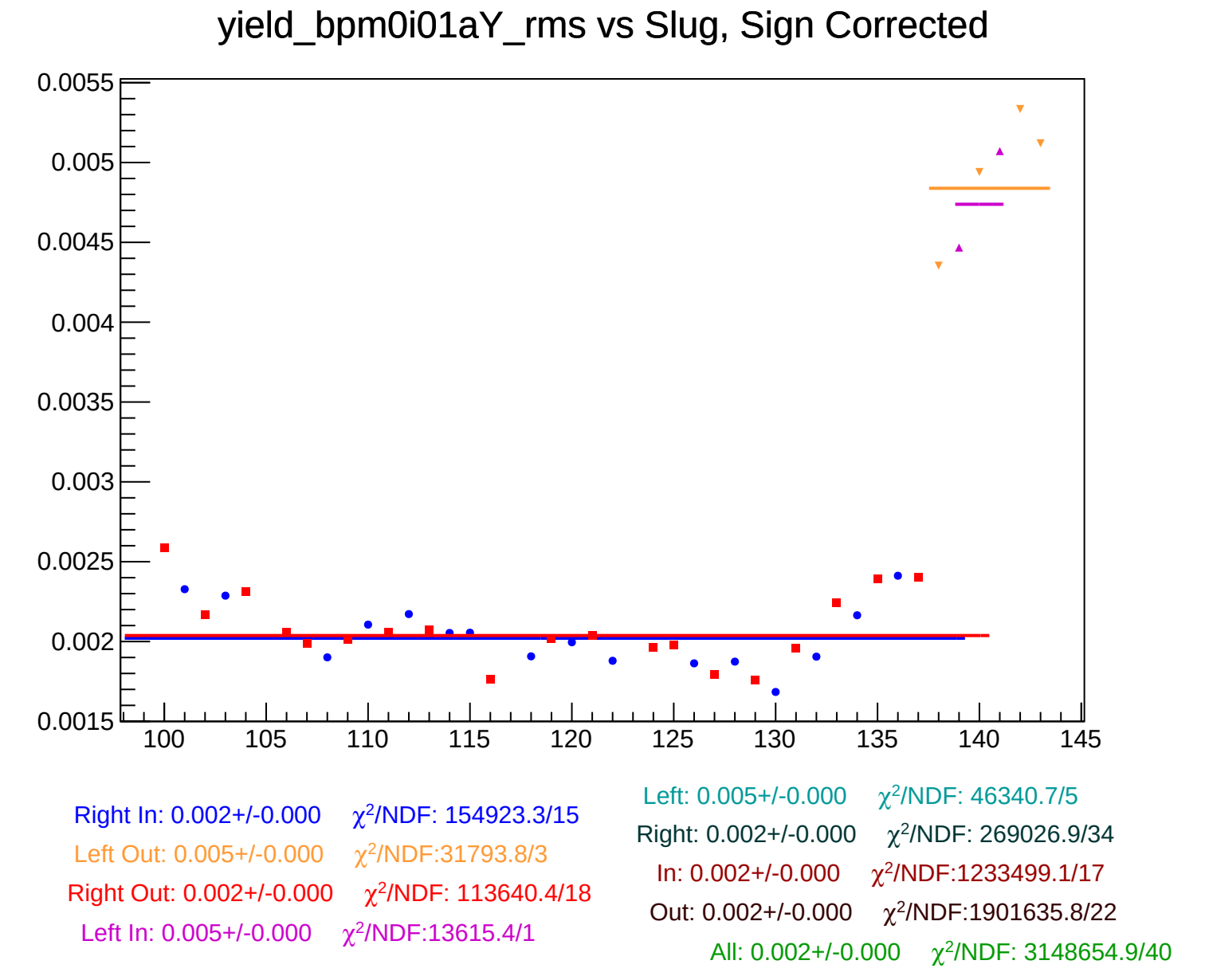
Left: 1.577+/-0.000 χ^2/NDF: 1245957088.1/5

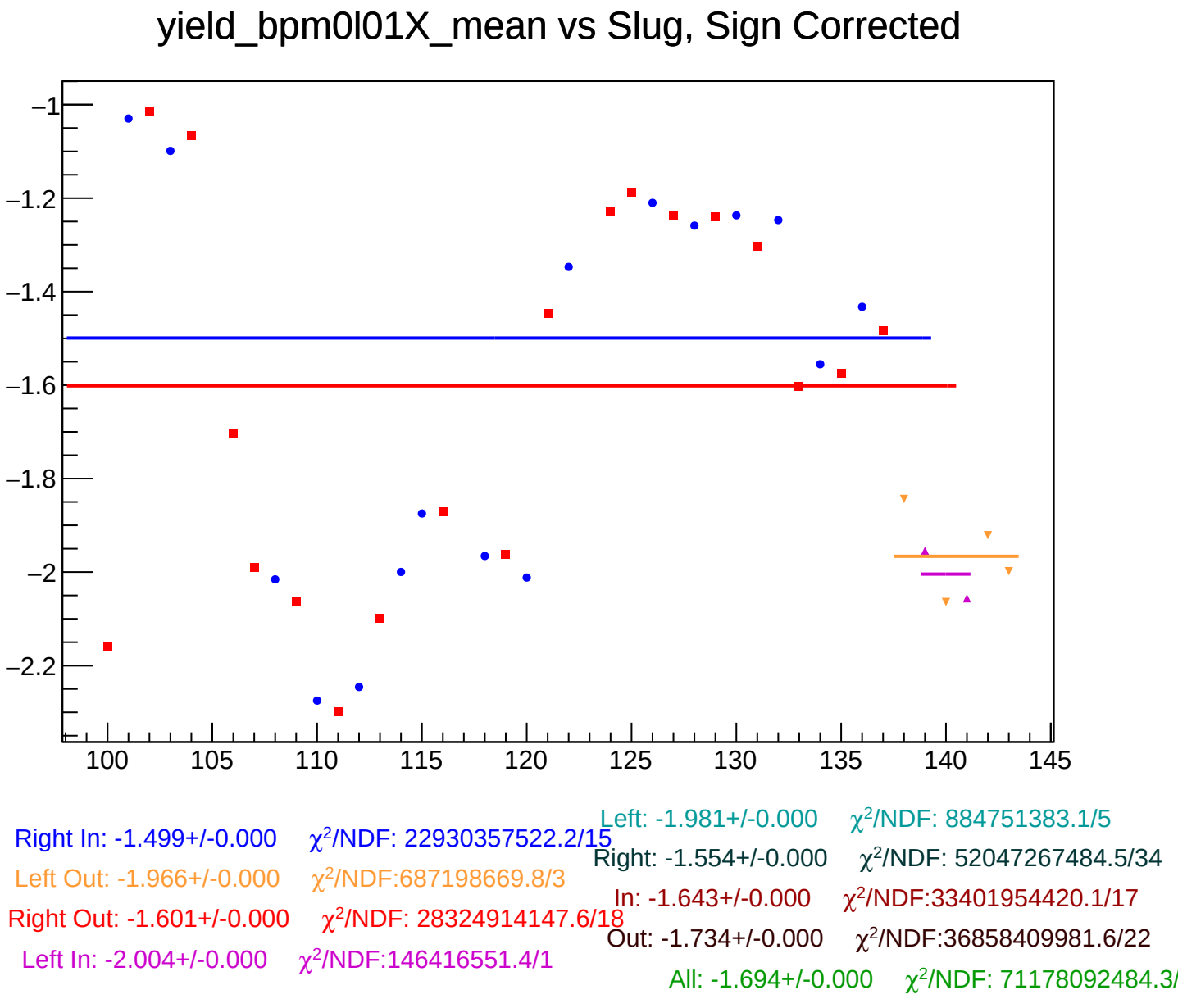
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.438+/-0.000 χ^2/NDF:191050847783.3/17

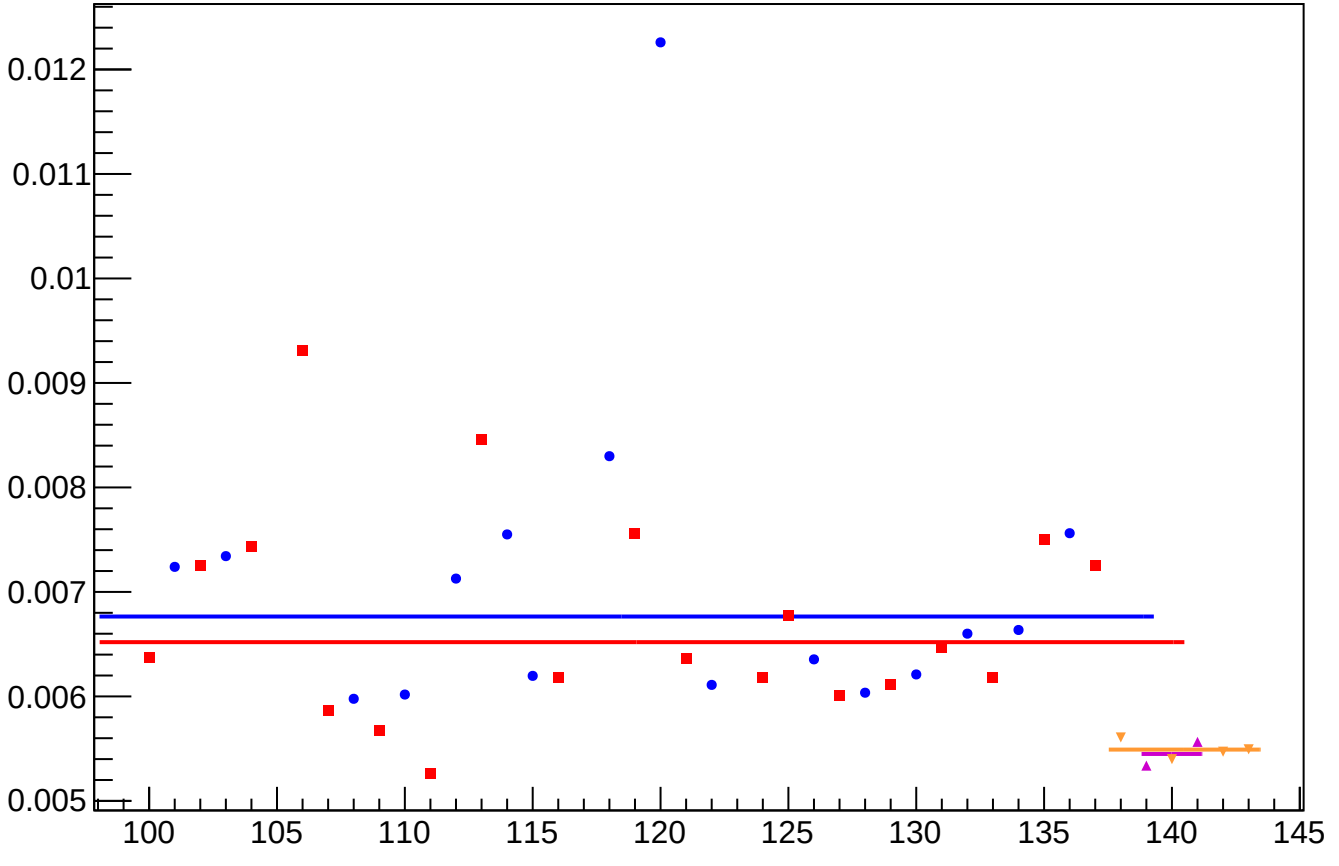
Out: 1.447+/-0.000 χ^2/NDF:185118448830.8/22

All: 1.442+/-0.000 χ^2/NDF: 376241553729.6


yield_bpm0i01aY_rms vs Slug, Sign Corrected
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
105
110
115
120
125
130
135
140
145
Right In: 0.002+/-0.000 χ²/NDF: 154923.3/15
Left Out: 0.005+/-0.000 χ²/NDF:31793.8/3
Right Out: 0.002+/-0.000 χ²/NDF: 113640.4/18
Left In: 0.005+/-0.000 χ²/NDF:13615.4/1
Left: 0.005+/-0.000 χ²/NDF: 46340.7/5
Right: 0.002+/-0.000 χ²/NDF: 269026.9/34
In: 0.002+/-0.000 χ²/NDF:1233499.1/17
Out: 0.002+/-0.000 χ²/NDF:1901635.8/22
All: 0.002+/-0.000 χ²/NDF: 3148654.9/40


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
105
110
115
120
125
130
135
140
145
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.966+/-0.000 χ²/NDF:687198669.8/3
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -2.004+/-0.000 χ²/NDF:146416551.4/1
Left: -1.981+/-0.000 χ²/NDF: 884751383.1/5
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.643+/-0.000 χ²/NDF:33401954420.1/17
Out: -1.734+/-0.000 χ²/NDF:36858409981.6/22
All: -1.694+/-0.000 χ²/NDF: 71178092484.3/

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:1134.3/3

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: 2719.8/5

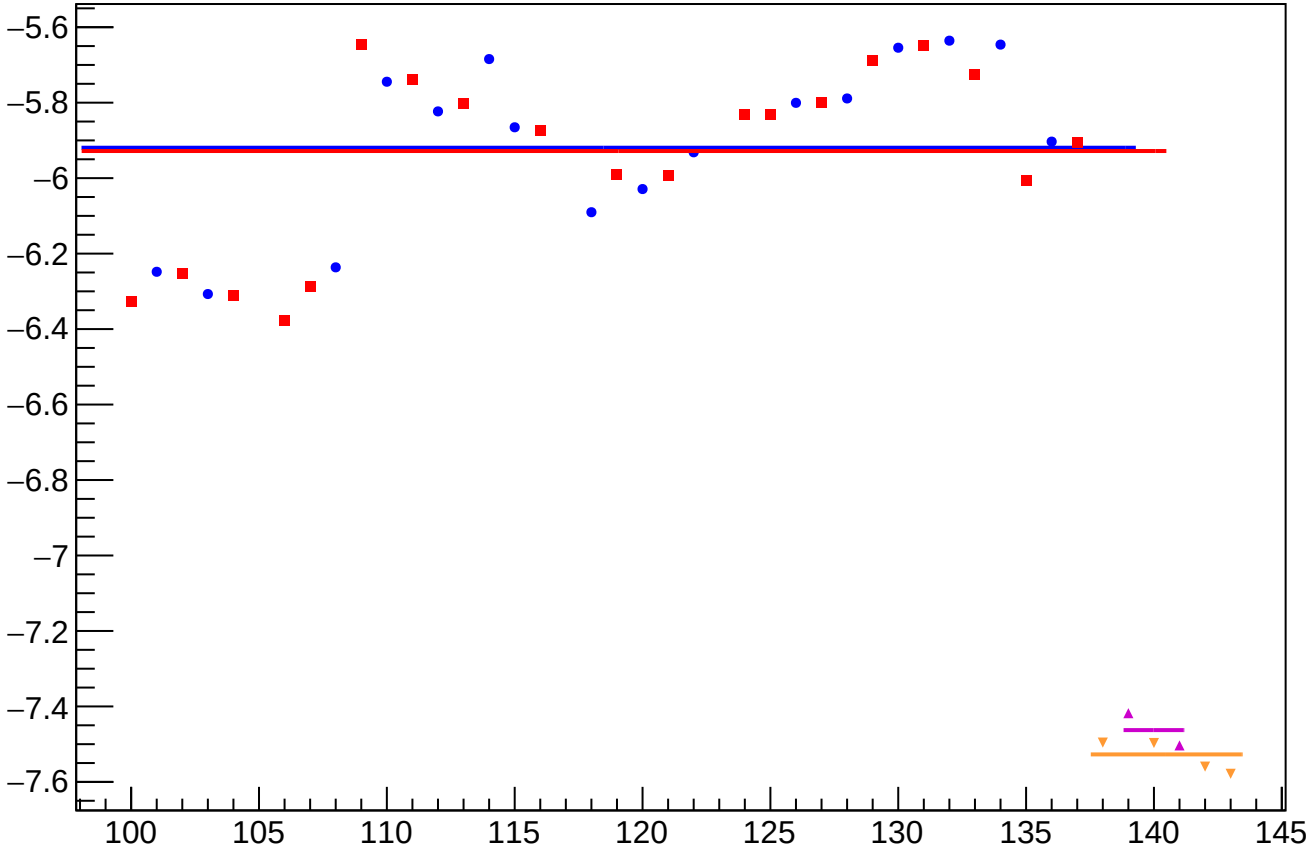
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:380003.4/17

Out: 0.006+/-0.000 χ^2/NDF:371274.4/22

All: 0.006+/-0.000 χ^2/NDF: 764515.4/40

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.527+/-0.000 χ^2/NDF:33422517.4/3

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: -7.503+/-0.000 χ^2/NDF: 95381988.5/5

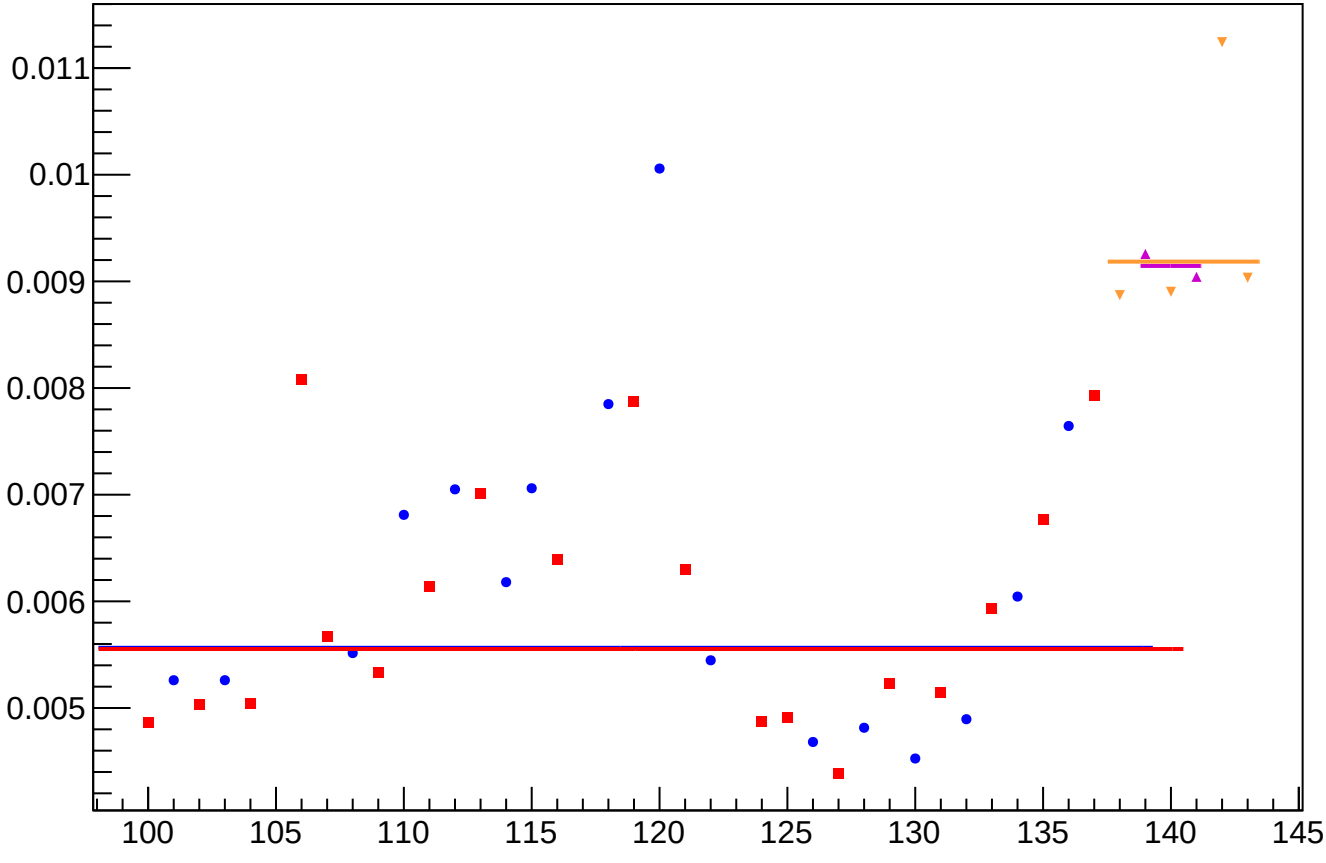
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.022+/-0.000 χ^2/NDF:43129176775.5/17

Out: -6.086+/-0.000 χ^2/NDF:65771274812.4/22

All: -6.055+/-0.000 χ^2/NDF: 109353123081.9

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:23925.3/3

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: 24277.7/5

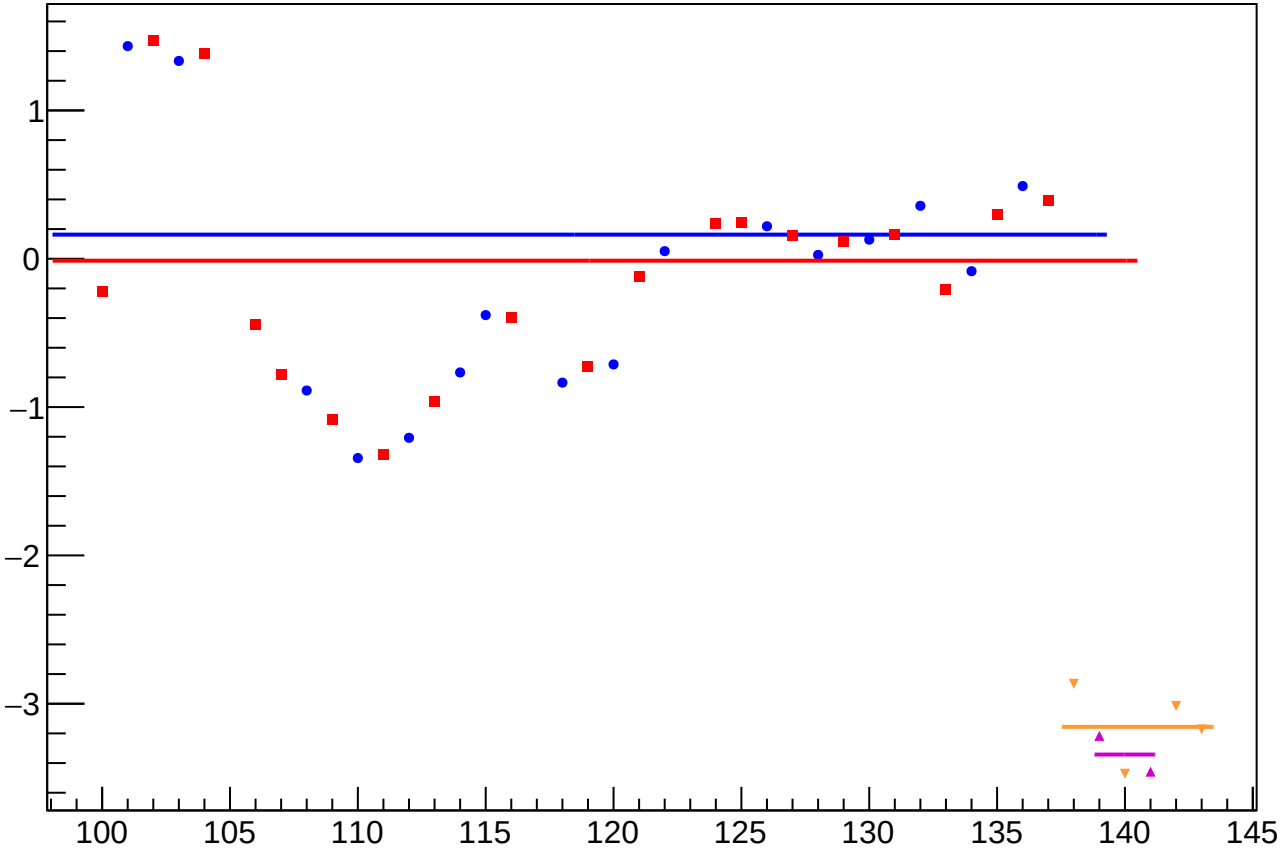
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:833461.2/17

Out: 0.006+/-0.000 χ^2/NDF:936311.0/22

All: 0.006+/-0.000 χ^2/NDF: 1772413.8/40

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.156+/-0.000 χ^2/NDF:468622992.1/3

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: -3.225+/-0.000 χ^2/NDF: 652453049.4/5

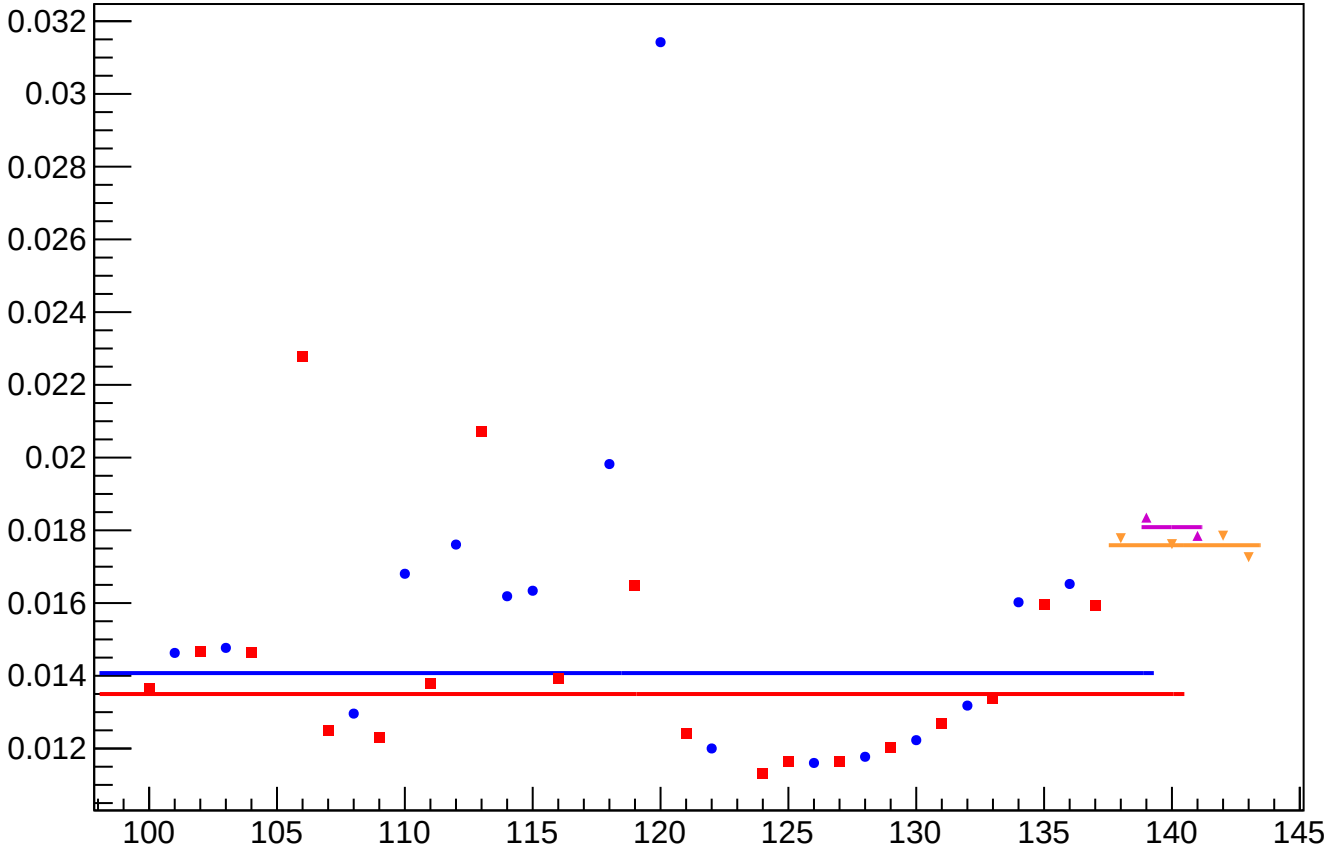
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.316+/-0.000 χ^2/NDF:71380543926.0/17

Out: -0.607+/-0.000 χ^2/NDF:92360156821.0/22

All: -0.477+/-0.000 χ^2/NDF: 165475323780.5

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:911.7/3

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: 3119.1/5

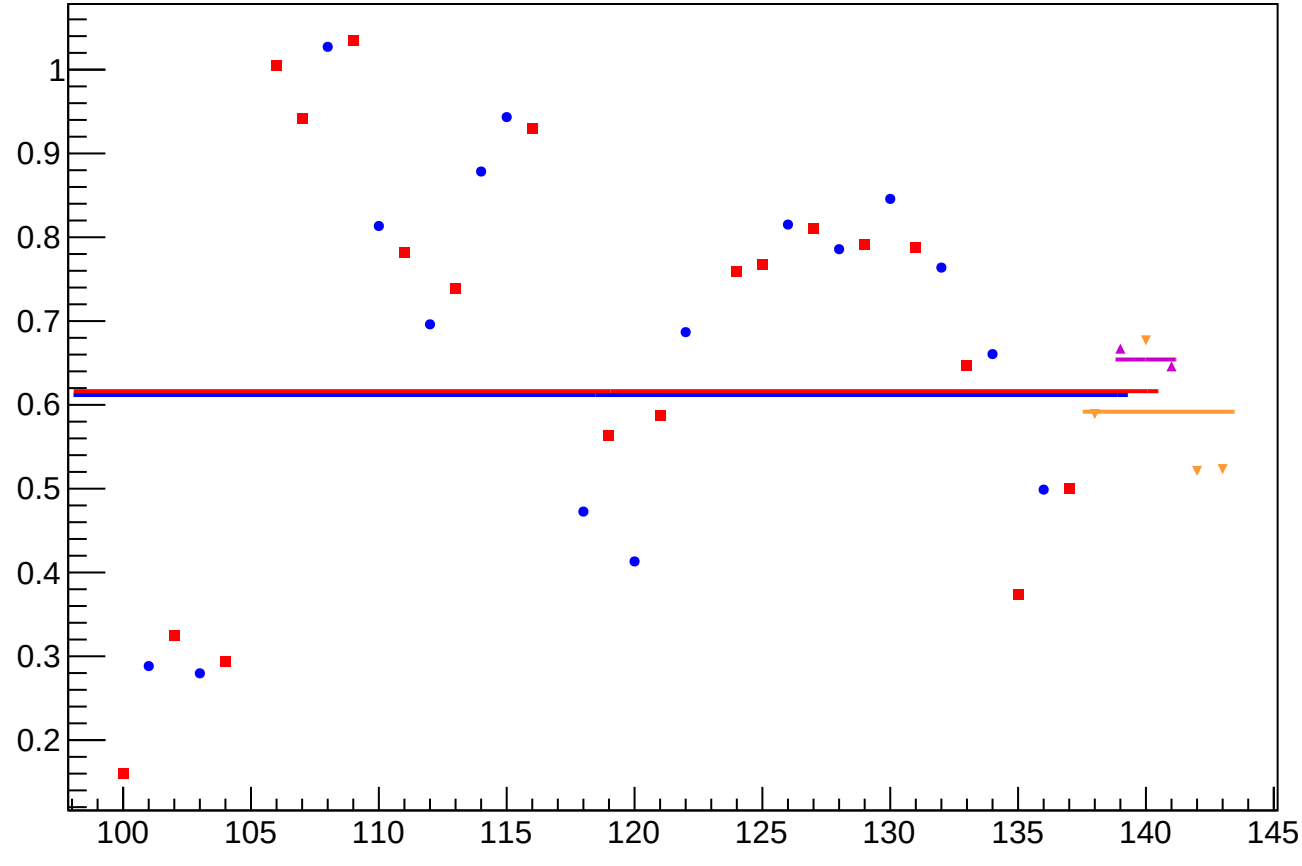
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:605963.8/17

Out: 0.014+/-0.000 χ^2/NDF:550996.7/22

All: 0.014+/-0.000 χ^2/NDF: 1161969.1/40

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.592+/-0.000 χ^2/NDF:154309593.1/3

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: 0.616+/-0.000 χ^2/NDF: 209761790.8/5

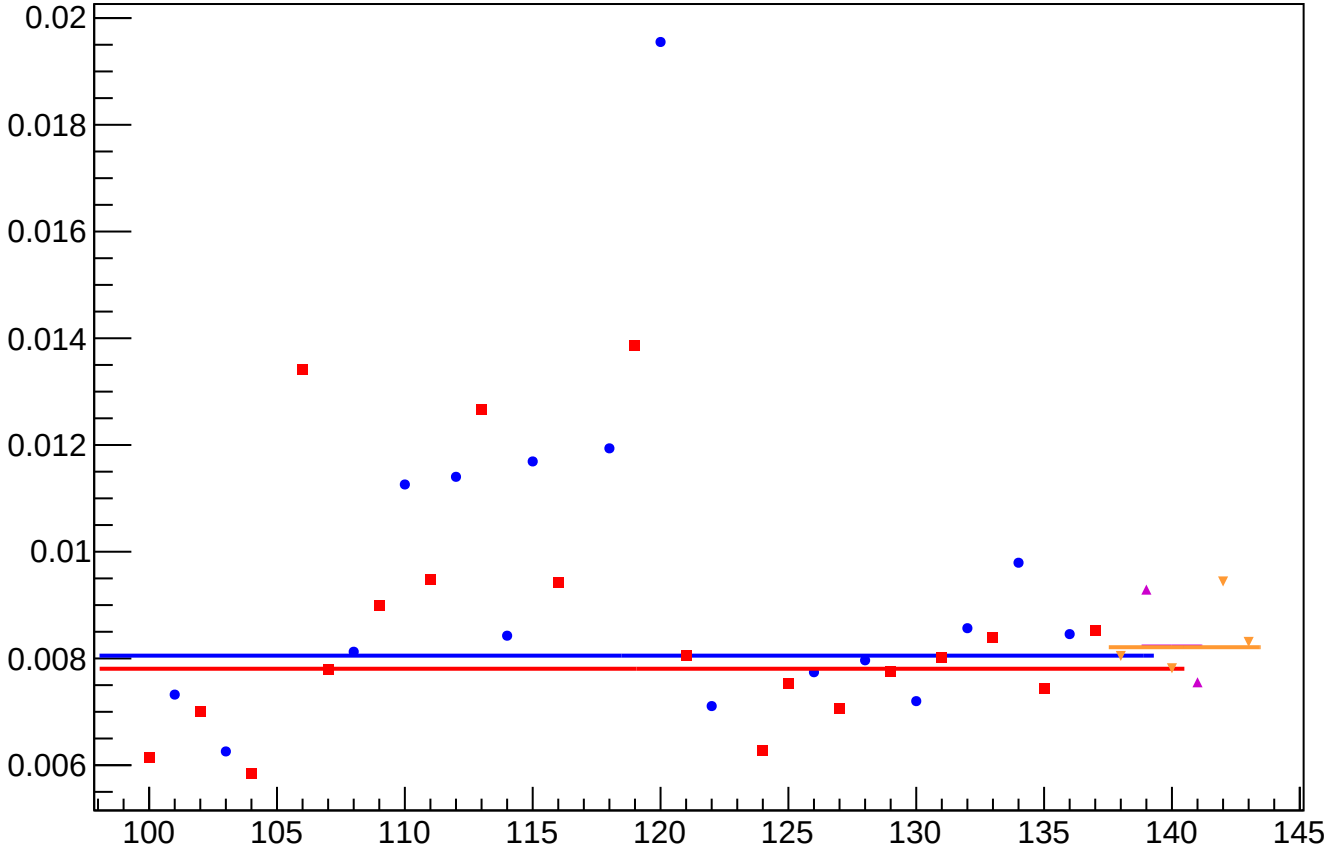
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.620+/-0.000 χ^2/NDF:5673543427.1/17

Out: 0.610+/-0.000 χ^2/NDF:6589860715.3/22

All: 0.614+/-0.000 χ^2/NDF: 12269418127.3/4

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:17547.4/3

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:31625.3/1

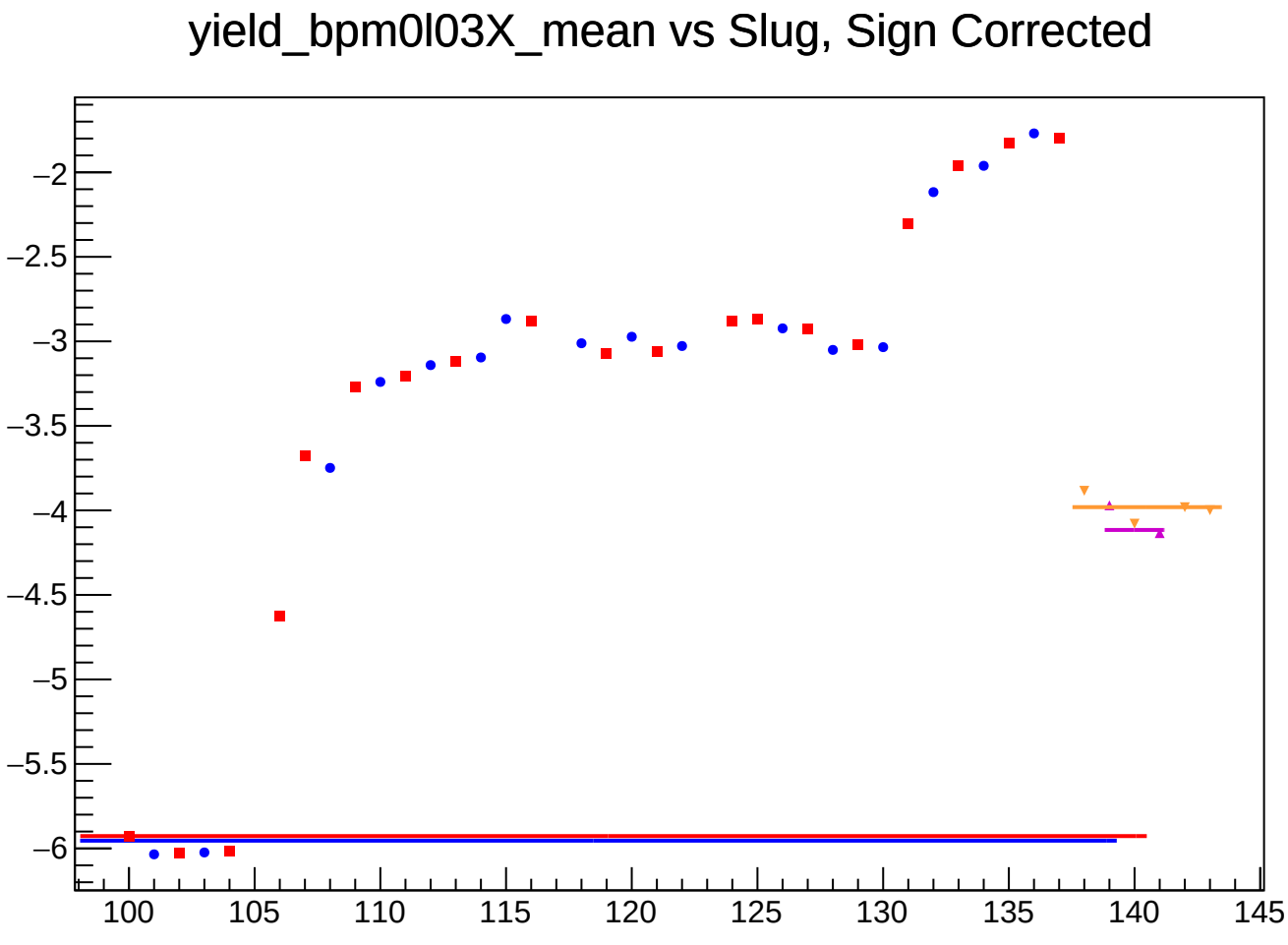
Left: 0.008+/-0.000 χ^2/NDF: 49177.2/5

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:613423.6/22

All: 0.008+/-0.000 χ^2/NDF: 1248329.0/40



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.981+/-0.000 χ^2/NDF:2077857.3/3

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.116+/-0.000 χ^2/NDF:2078769.5/1

Left: -4.071+/-0.000 χ^2/NDF: 8791100.2/5

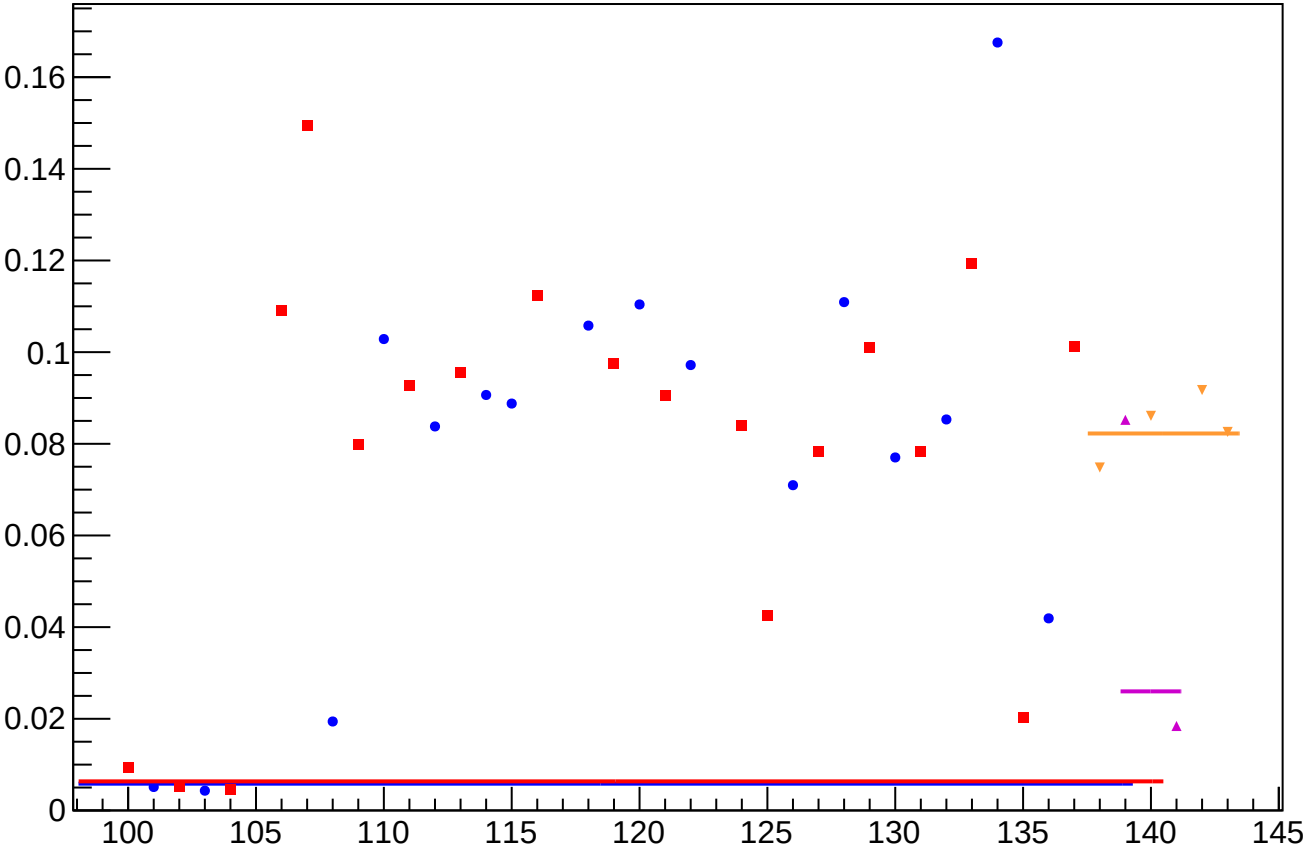
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.927+/-0.000 χ^2/NDF:15658653315.0/17

Out: -5.910+/-0.000 χ^2/NDF:15351277627.8/22

All: -5.919+/-0.000 χ^2/NDF: 31017139134.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.082+/-0.000 χ^2/NDF:25120.4/3

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: 0.045+/-0.000 χ^2/NDF: 2322223.6/5

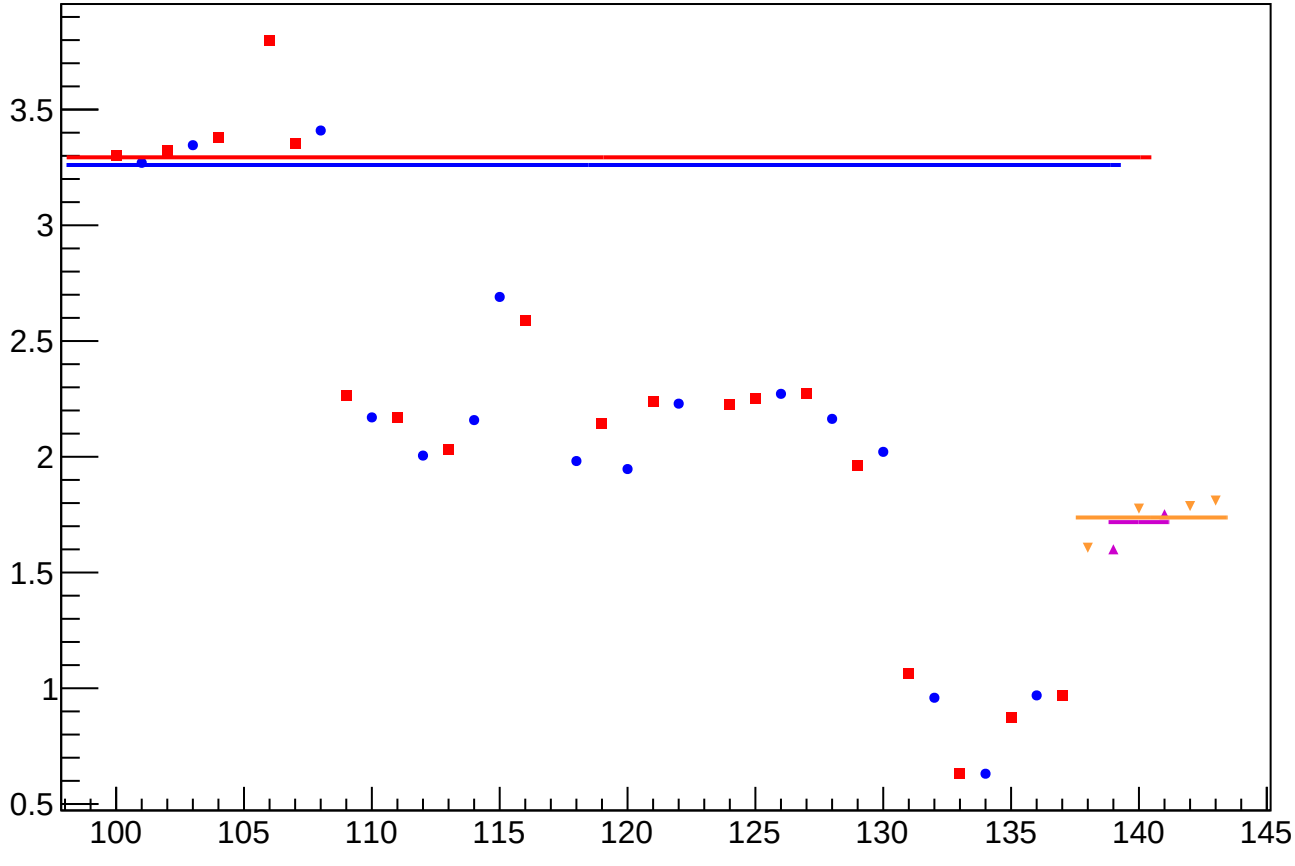
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:10001361.1/17

Out: 0.007+/-0.000 χ^2/NDF:13116906.0/22

All: 0.007+/-0.000 χ^2/NDF: 23154716.6/40

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.738+/-0.000 χ^2/NDF:2409910.0/3

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: 1.728+/-0.000 χ^2/NDF: 3774047.0/5

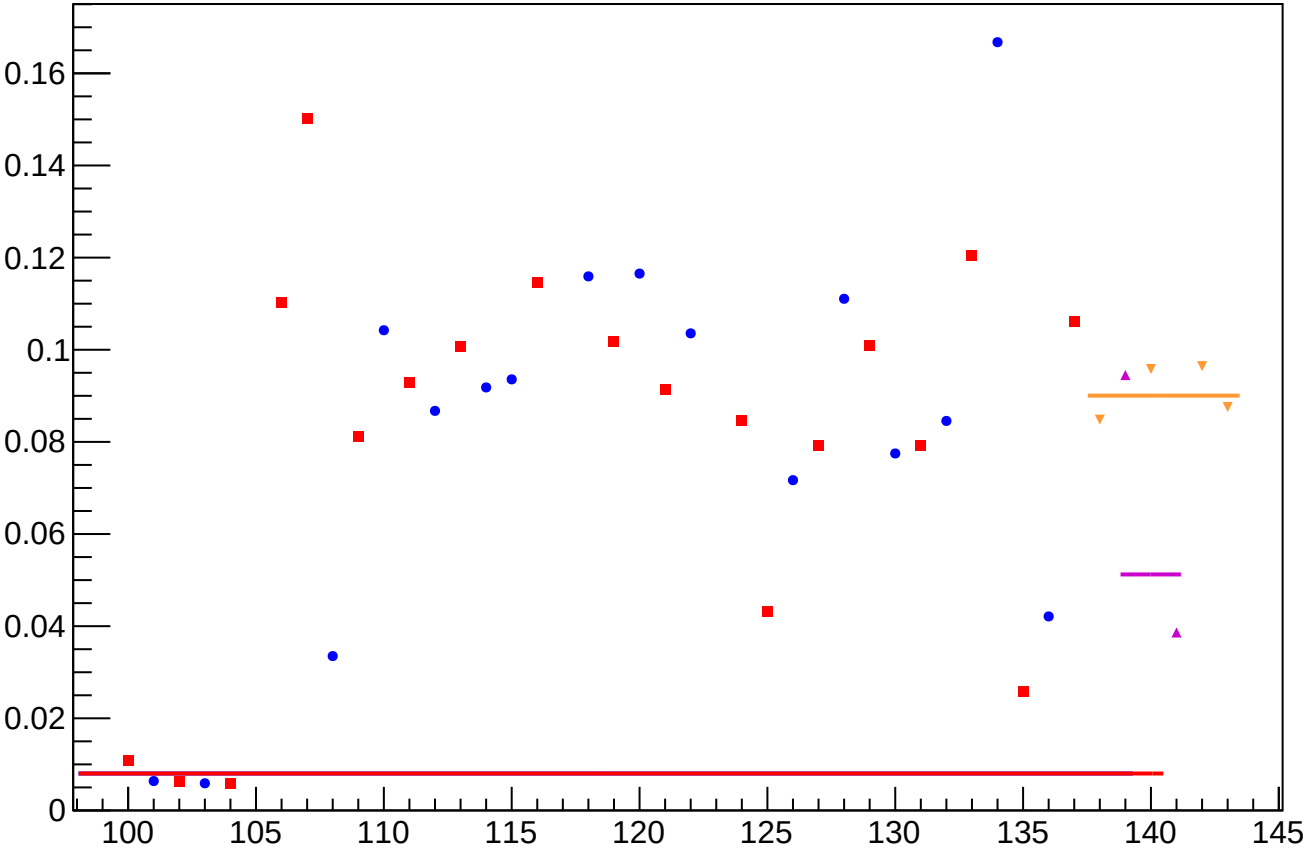
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.245+/-0.000 χ^2/NDF:3773827348.5/17

Out: 3.277+/-0.000 χ^2/NDF:4017231443.2/22

All: 3.260+/-0.000 χ^2/NDF: 7806806464.4/40

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.090+/-0.000 χ^2/NDF:15470.5/3

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.051+/-0.000 χ^2/NDF:353136.5/1

Left: 0.071+/-0.000 χ^2/NDF: 855151.9/5

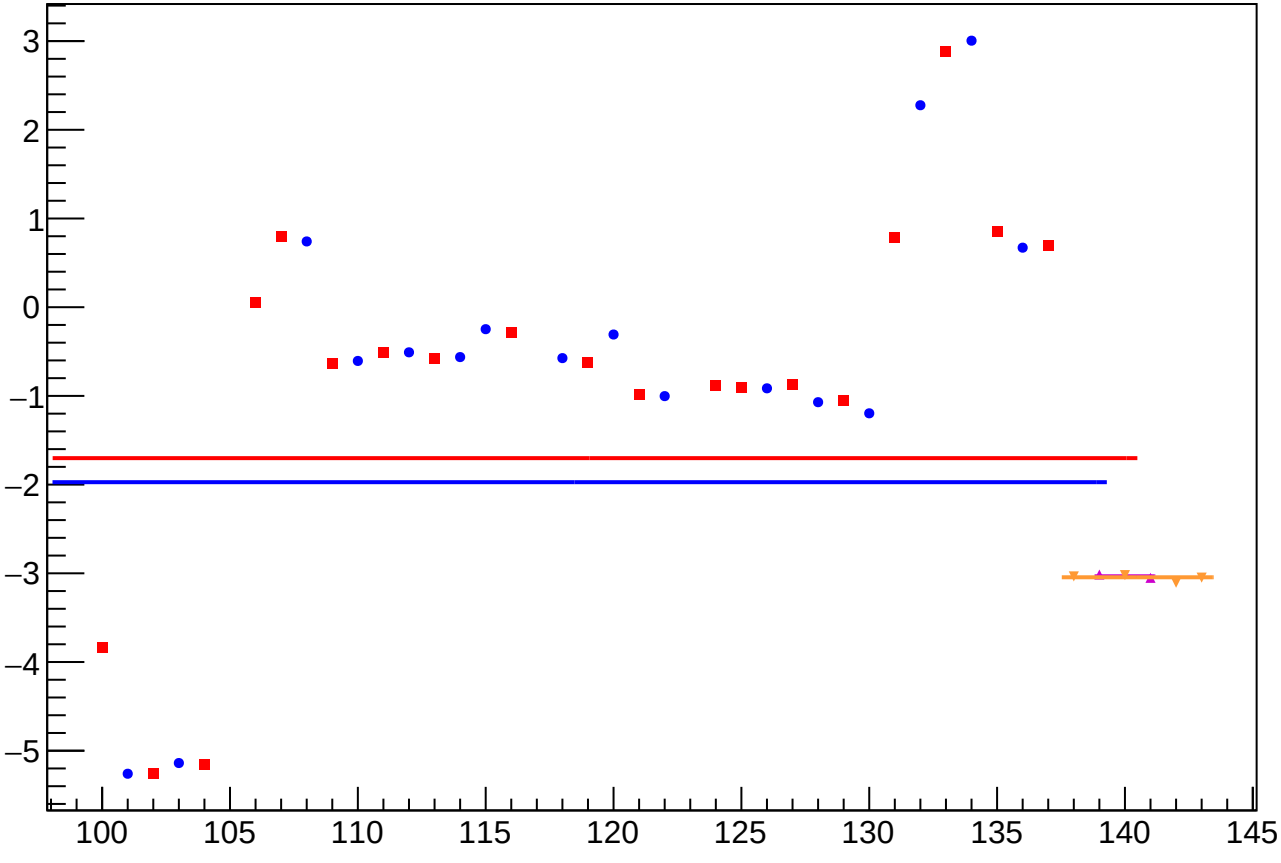
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.008+/-0.000 χ^2/NDF:9965597.7/17

Out: 0.009+/-0.000 χ^2/NDF:12843729.0/22

All: 0.009+/-0.000 χ^2/NDF: 22815299.9/40

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.045+/-0.000 χ^2/NDF:35329367.0/3

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: -3.040+/-0.000 χ^2/NDF: 47248056.5/5

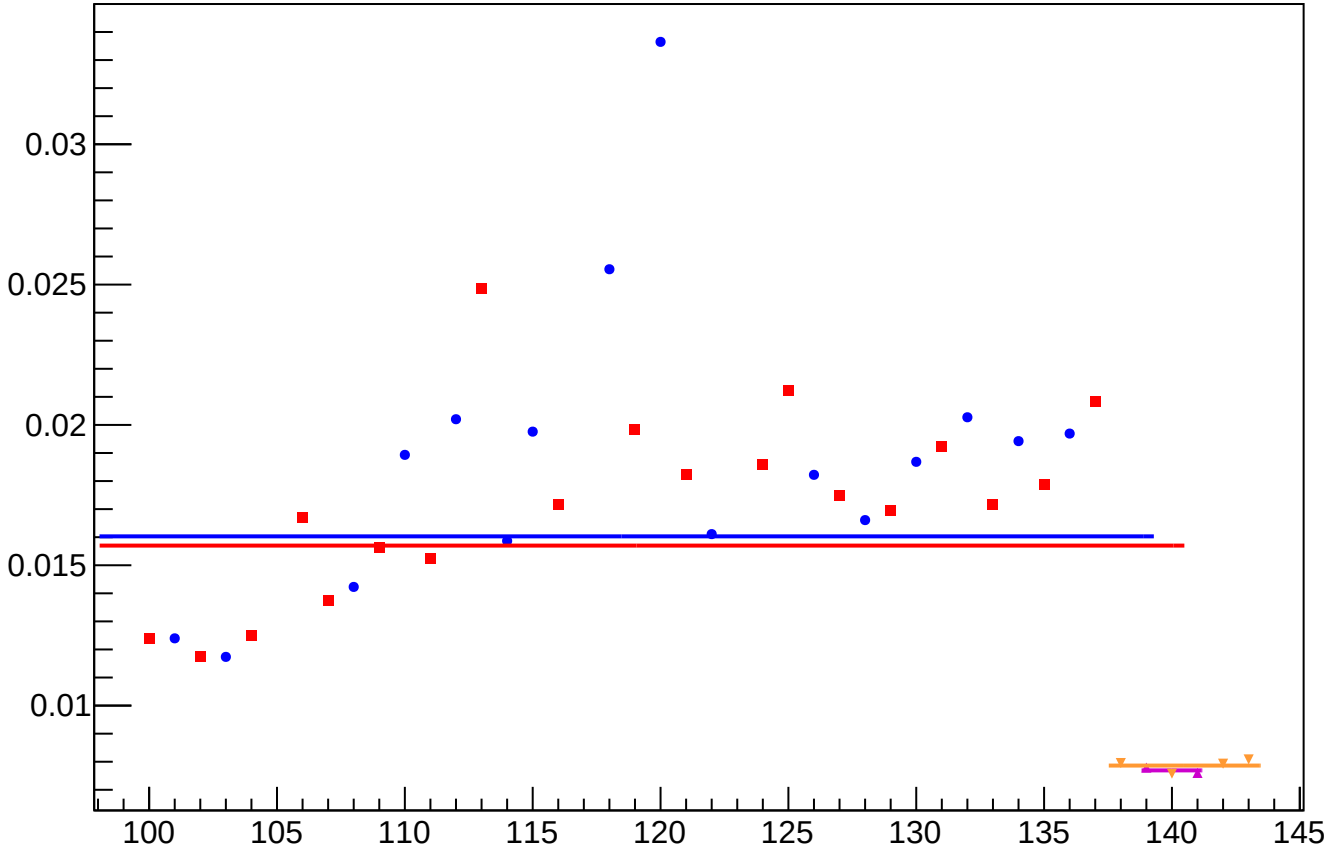
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.564+/-0.000 χ^2/NDF:176197226808.3/17

Out: -2.553+/-0.000 χ^2/NDF:197739930017.5/22

All: -2.558+/-0.000 χ^2/NDF: 373940723986.8

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:3771.0/3

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: 5314.7/5

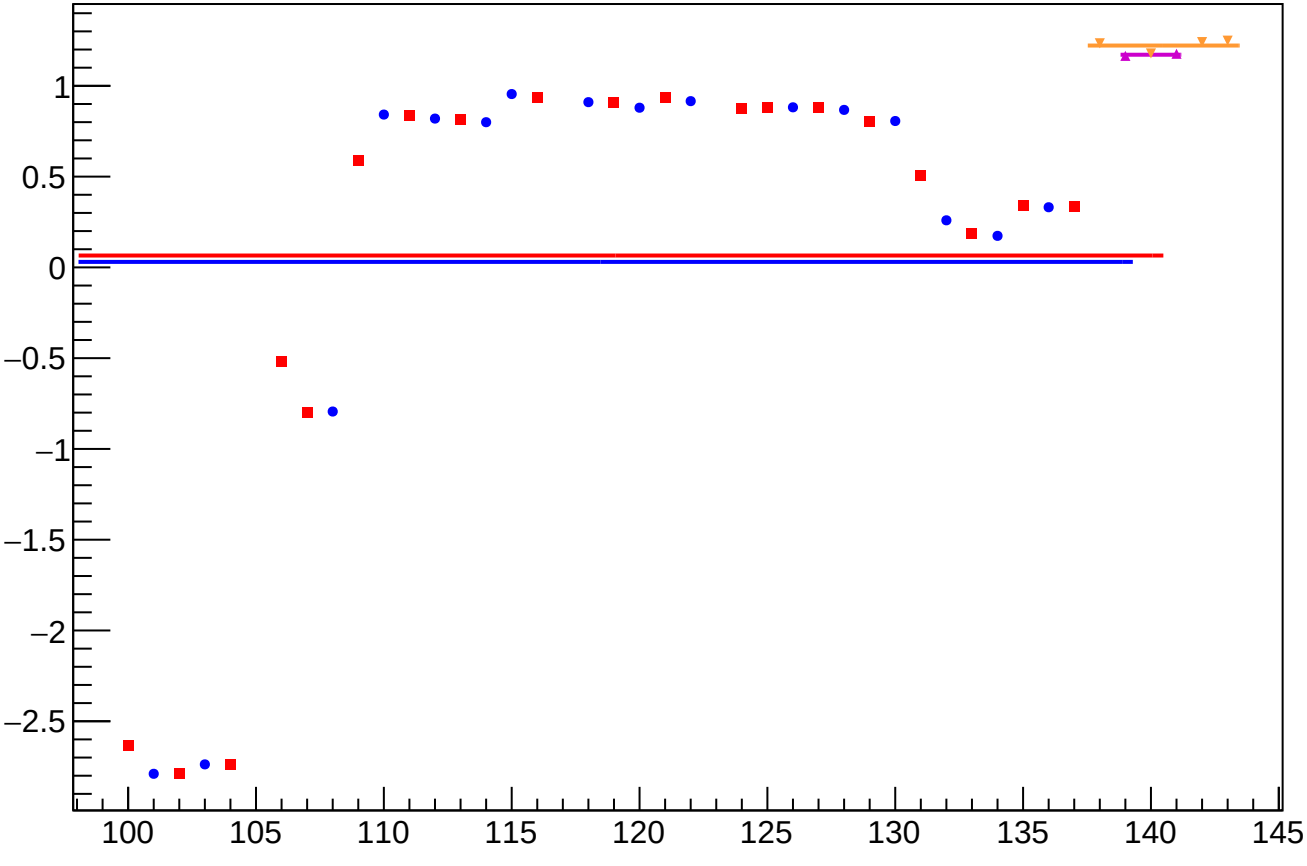
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.011+/-0.000 χ^2/NDF:2493035.1/17

Out: 0.011+/-0.000 χ^2/NDF:2520626.7/22

All: 0.011+/-0.000 χ^2/NDF: 5038599.8/40

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.222+/-0.000 χ^2/NDF:32581920.3/3

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: 1.203+/-0.000 χ^2/NDF: 69895728.6/5

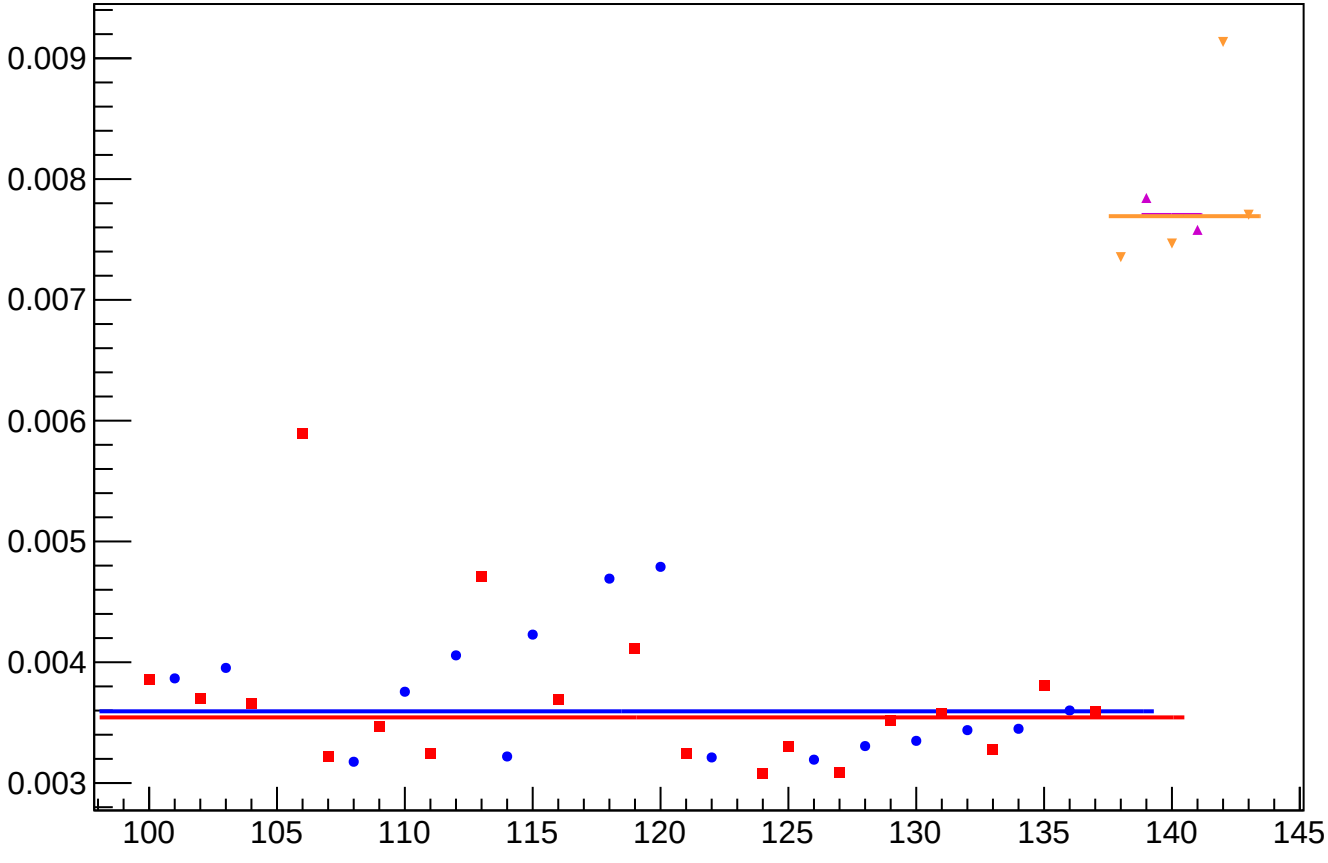
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.078+/-0.000 χ^2/NDF:880336374255.0/17

Out: 0.138+/-0.000 χ^2/NDF:982487856864.8/22

All: 0.110+/-0.000 χ^2/NDF: 1863830416718.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:21718.0/3

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: 22518.8/5

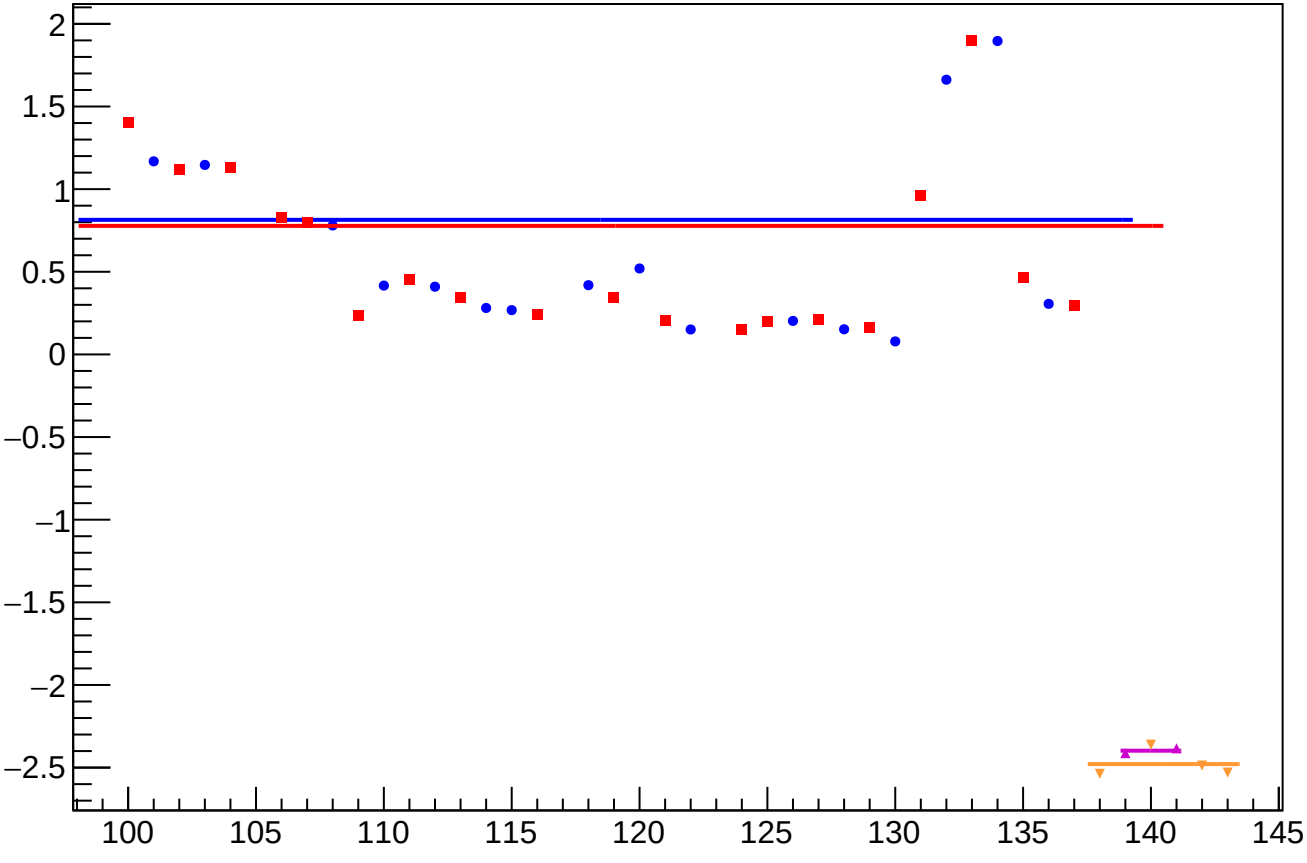
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:924482.4/17

Out: 0.004+/-0.000 χ^2/NDF:1455580.0/22

All: 0.004+/-0.000 χ^2/NDF: 2380819.8/40

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.479+/-0.000 χ^2/NDF:255146117.7/3

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: -2.449+/-0.000 χ^2/NDF: 367616011.1/5

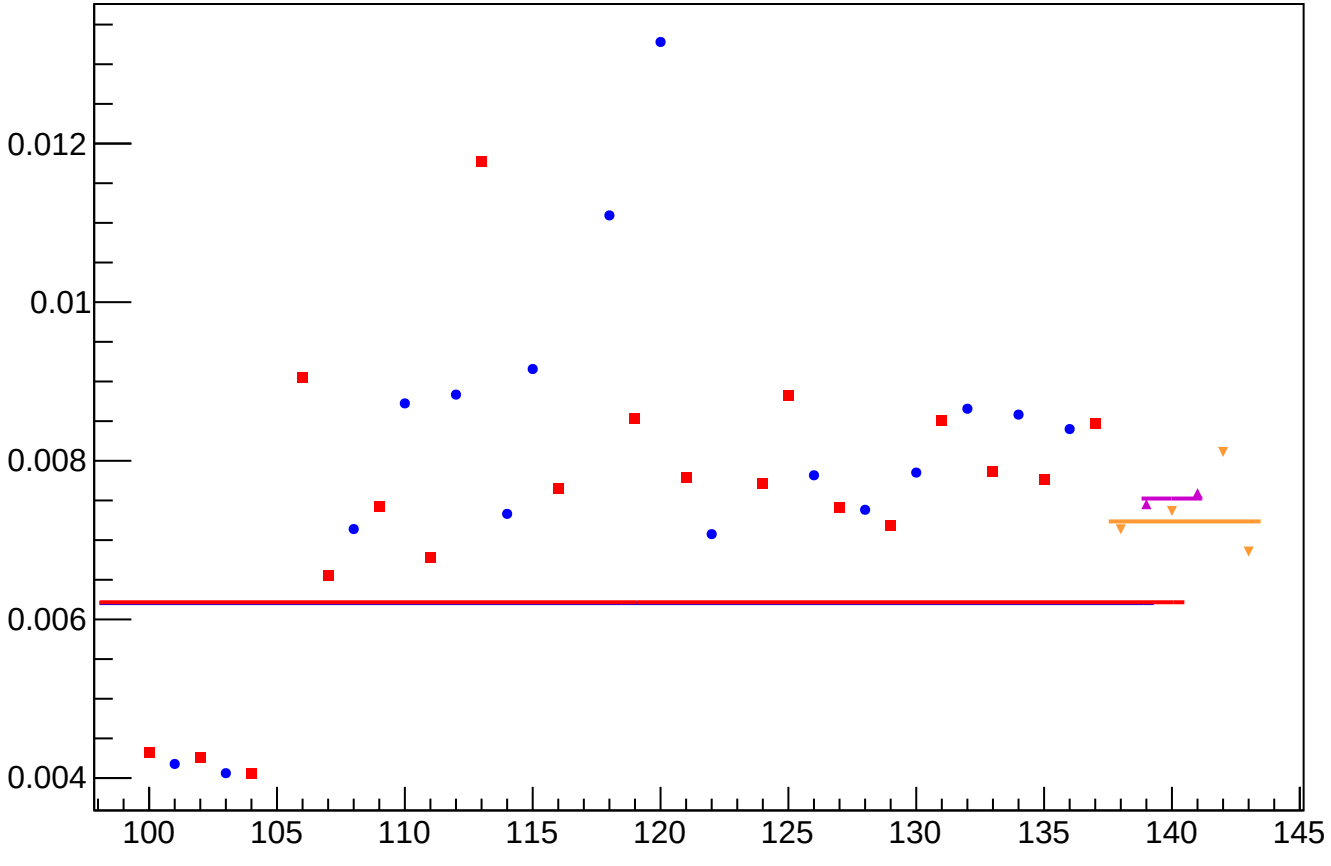
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.329+/-0.000 χ^2/NDF:260197841123.2/17

Out: 0.053+/-0.000 χ^2/NDF:401711183688.6/22

All: 0.180+/-0.000 χ^2/NDF: 668917104543.3

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13276.8/3

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: 16234.8/5

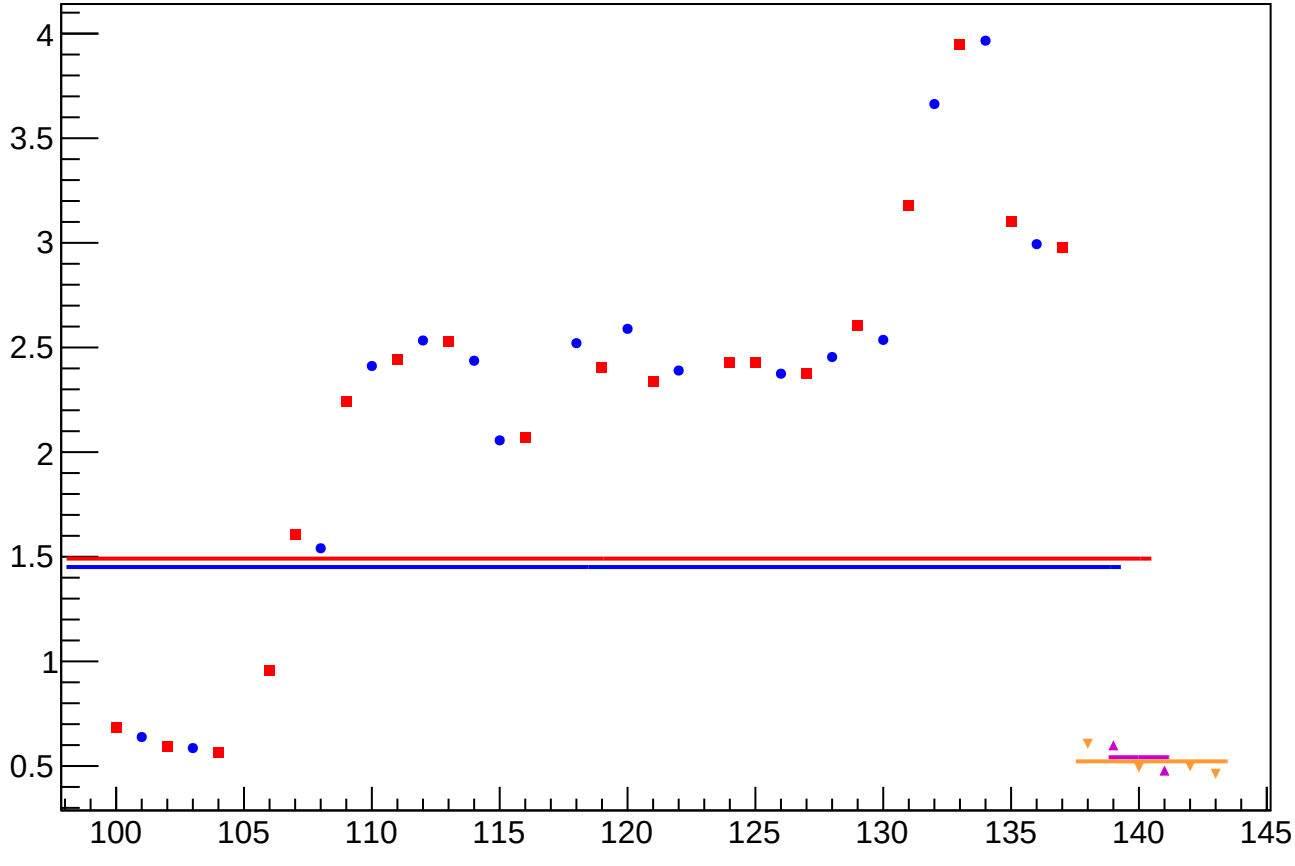
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1499851.1/17

Out: 0.006+/-0.000 χ^2/NDF:1246268.0/22

All: 0.006+/-0.000 χ^2/NDF: 2746385.9/40

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.522+/-0.000 χ^2/NDF:162032296.8/3

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: 0.530+/-0.000 χ^2/NDF: 269321867.3/5

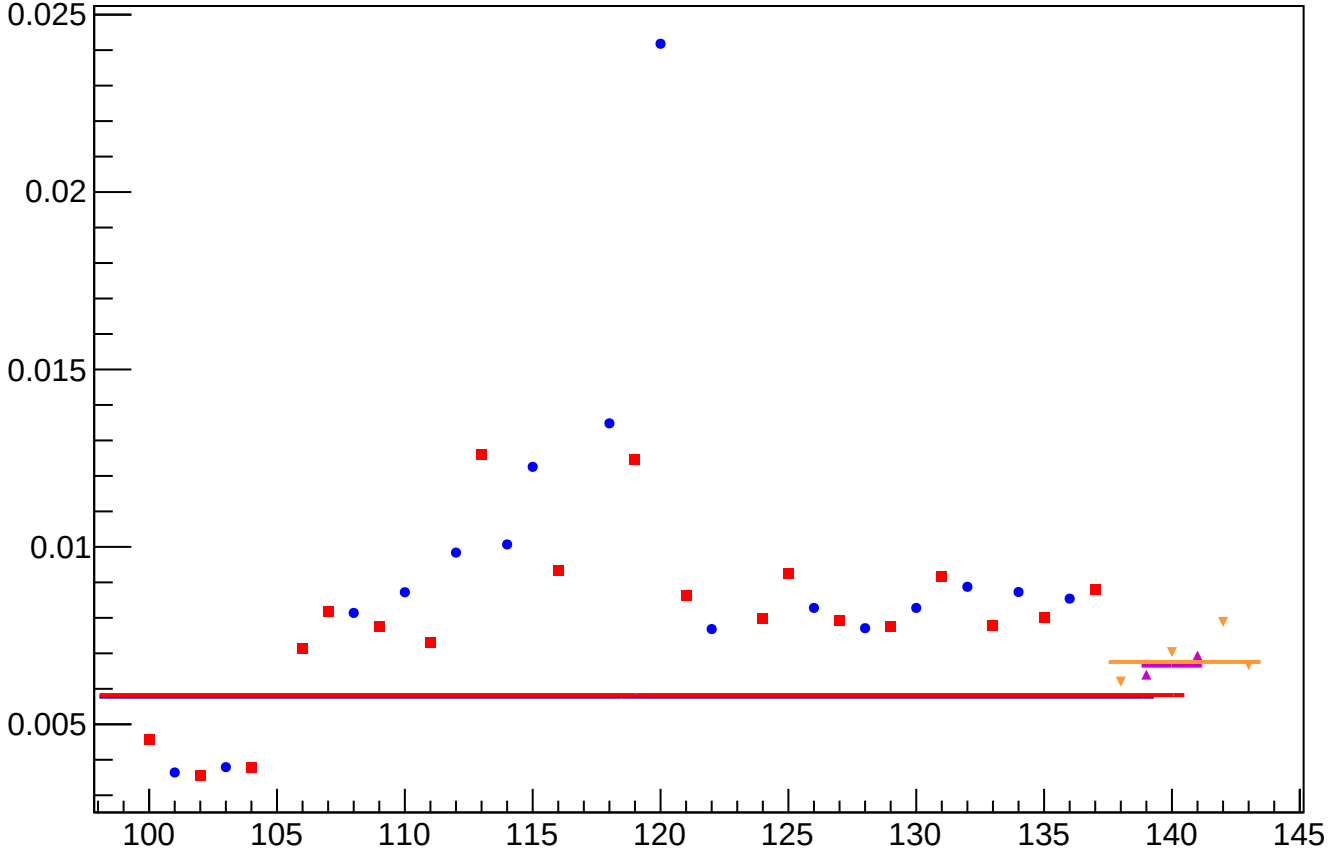
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.309+/-0.000 χ^2/NDF:189034959914.8/17

Out: 1.281+/-0.000 χ^2/NDF:219907739560.4/22

All: 1.294+/-0.000 χ^2/NDF: 409015993681.2

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:24524.7/3

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: 28843.4/5

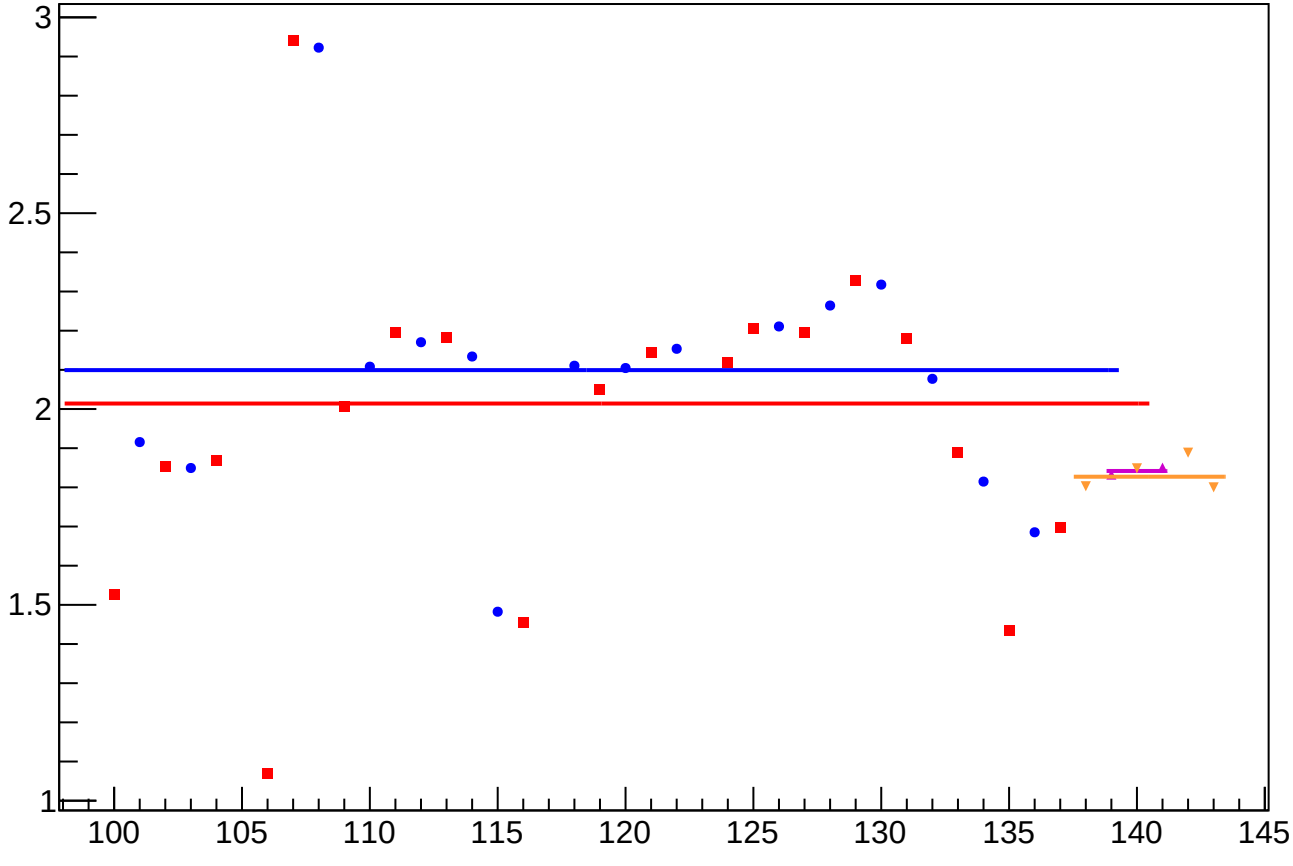
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2253483.2/17

Out: 0.006+/-0.000 χ^2/NDF:2041181.7/22

All: 0.006+/-0.000 χ^2/NDF: 4296939.3/40

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:33304495.5/3

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: 1.833+/-0.000 χ^2/NDF: 37435532.9/5

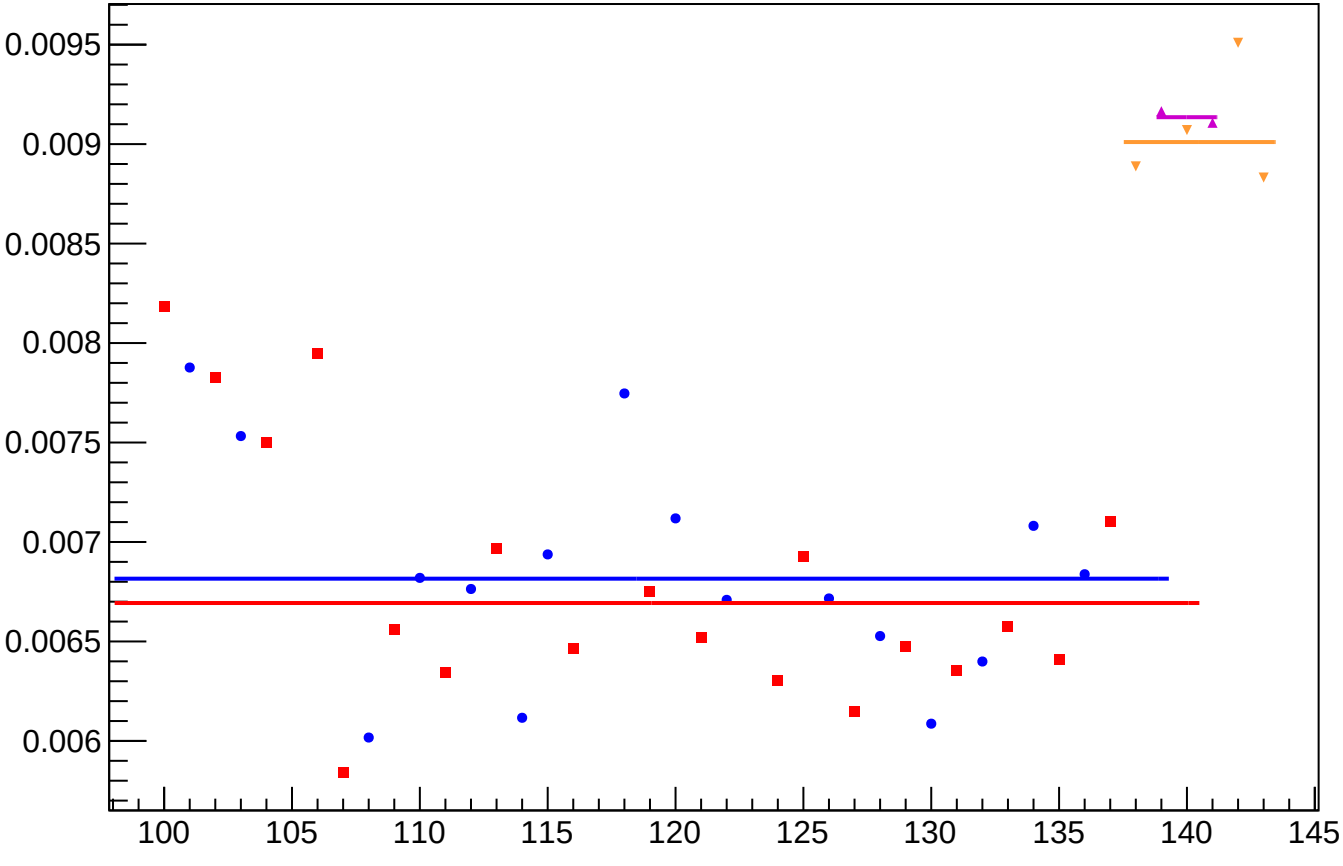
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.069+/-0.000 χ^2/NDF:15069484925.0/17

Out: 1.983+/-0.000 χ^2/NDF:20583807533.6/22

All: 2.023+/-0.000 χ^2/NDF: 36321270551.0/4

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:3148.5/3

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: 3559.8/5

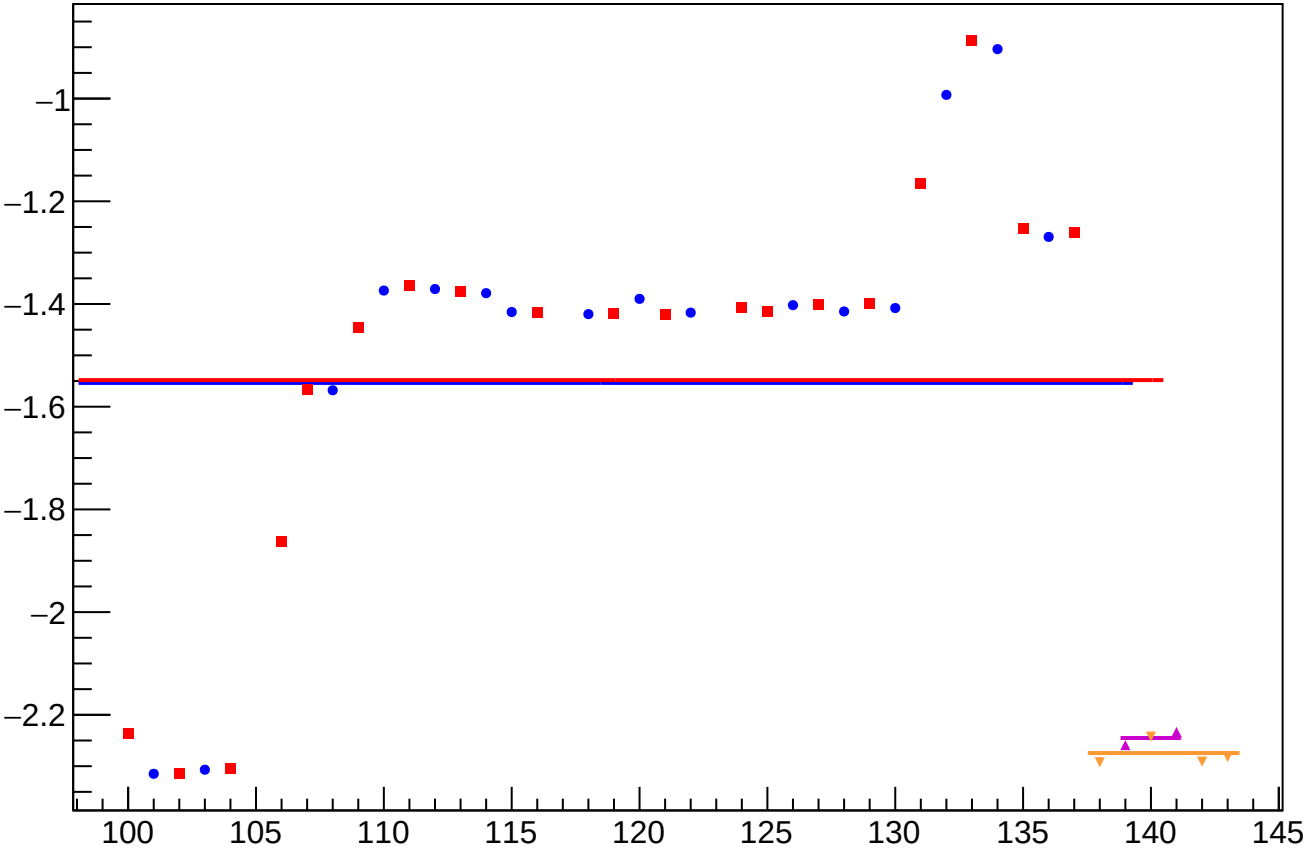
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:271739.0/17

Out: 0.007+/-0.000 χ^2/NDF:378546.8/22

All: 0.007+/-0.000 χ^2/NDF: 650289.2/40

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.274+/-0.000 χ^2/NDF:112309913.3/3

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: -2.263+/-0.000 χ^2/NDF: 218251889.0/5

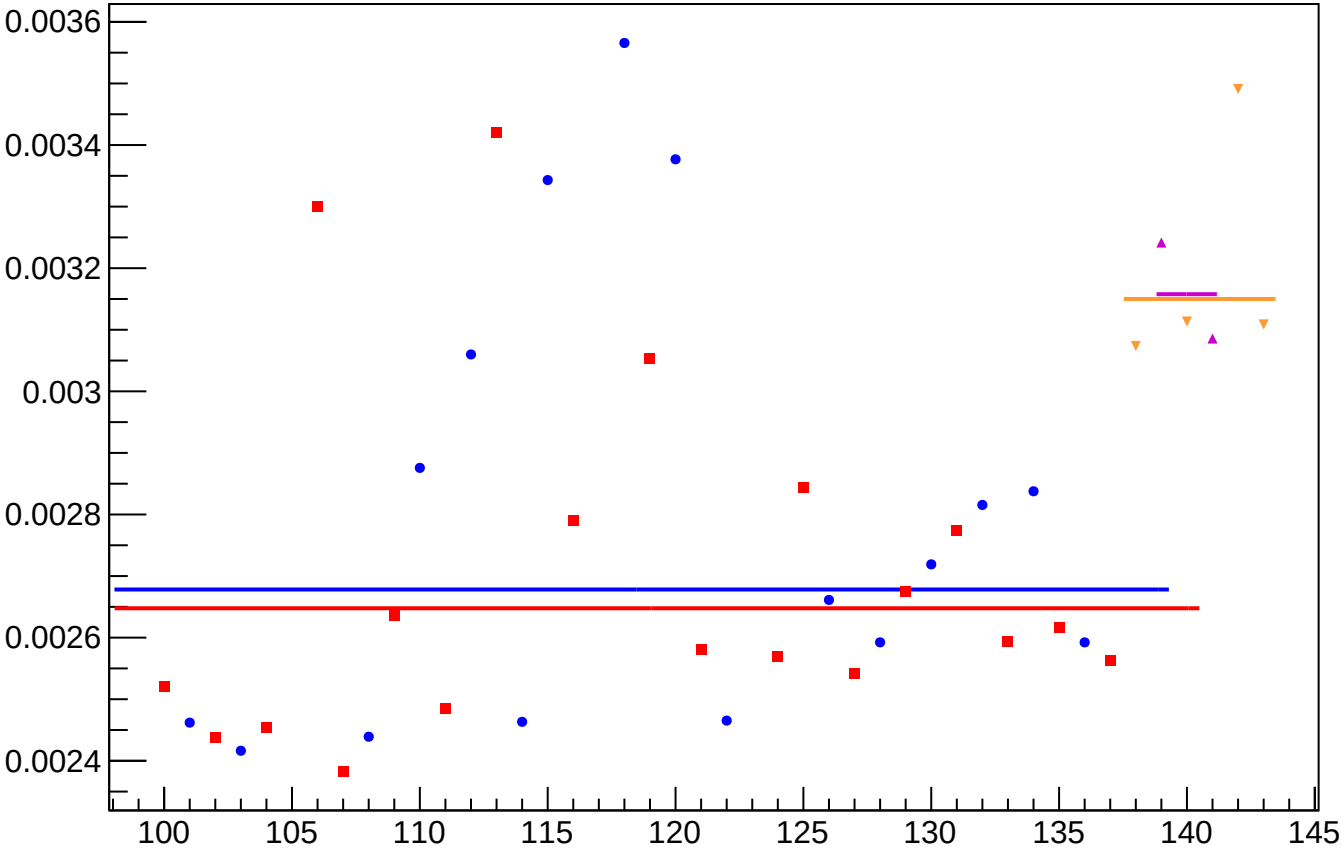
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.650+/-0.000 χ^2/NDF:237909261644.5/17

Out: -1.693+/-0.000 χ^2/NDF:280074953201.8/22

All: -1.673+/-0.000 χ^2/NDF: 519032904268.

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:8801.7/3

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: 10656.2/5

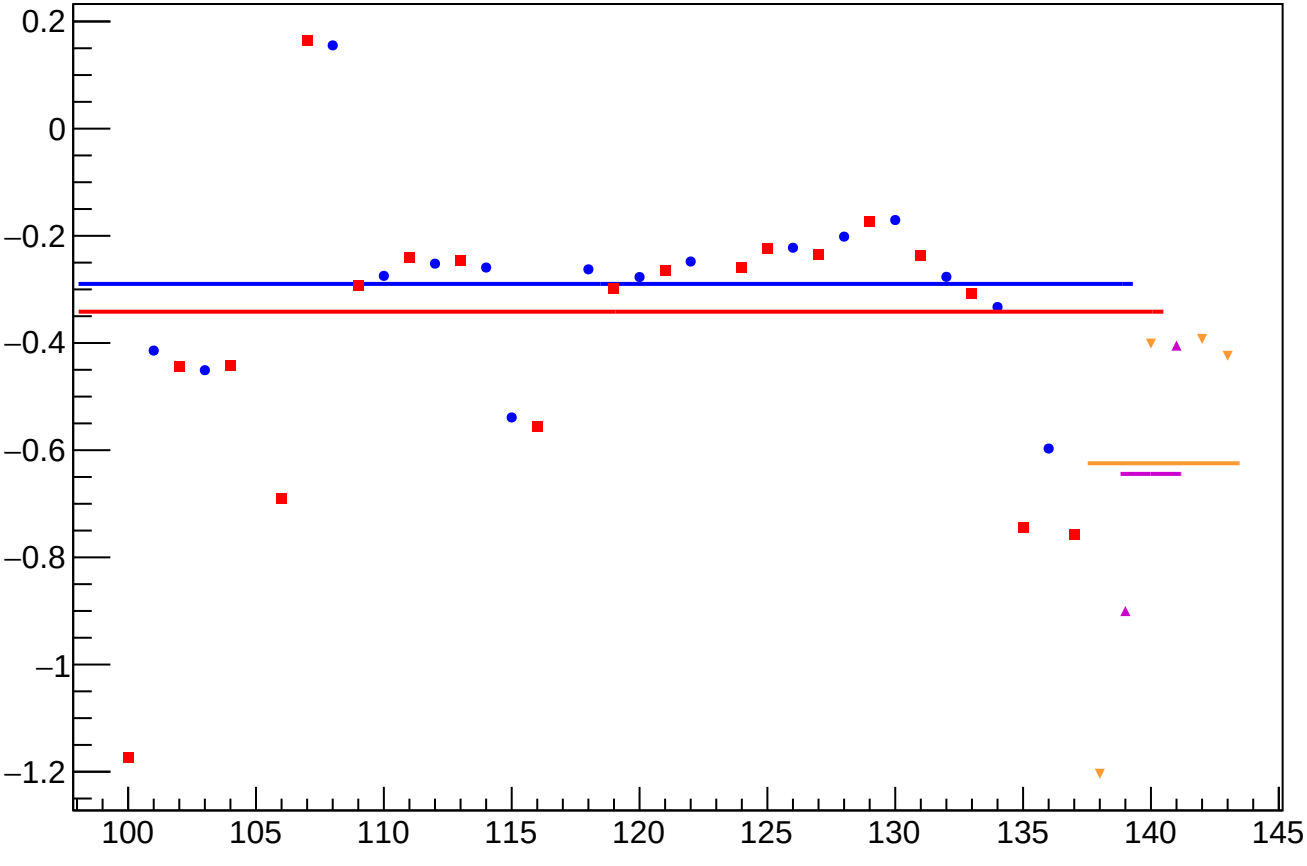
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:220052.6/17

Out: 0.003+/-0.000 χ^2/NDF:225620.8/22

All: 0.003+/-0.000 χ^2/NDF: 445680.4/40

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.624+/-0.000 χ^2/NDF:1454921790.9/3

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: -0.632+/-0.000 χ^2/NDF: 1901401273.0/5

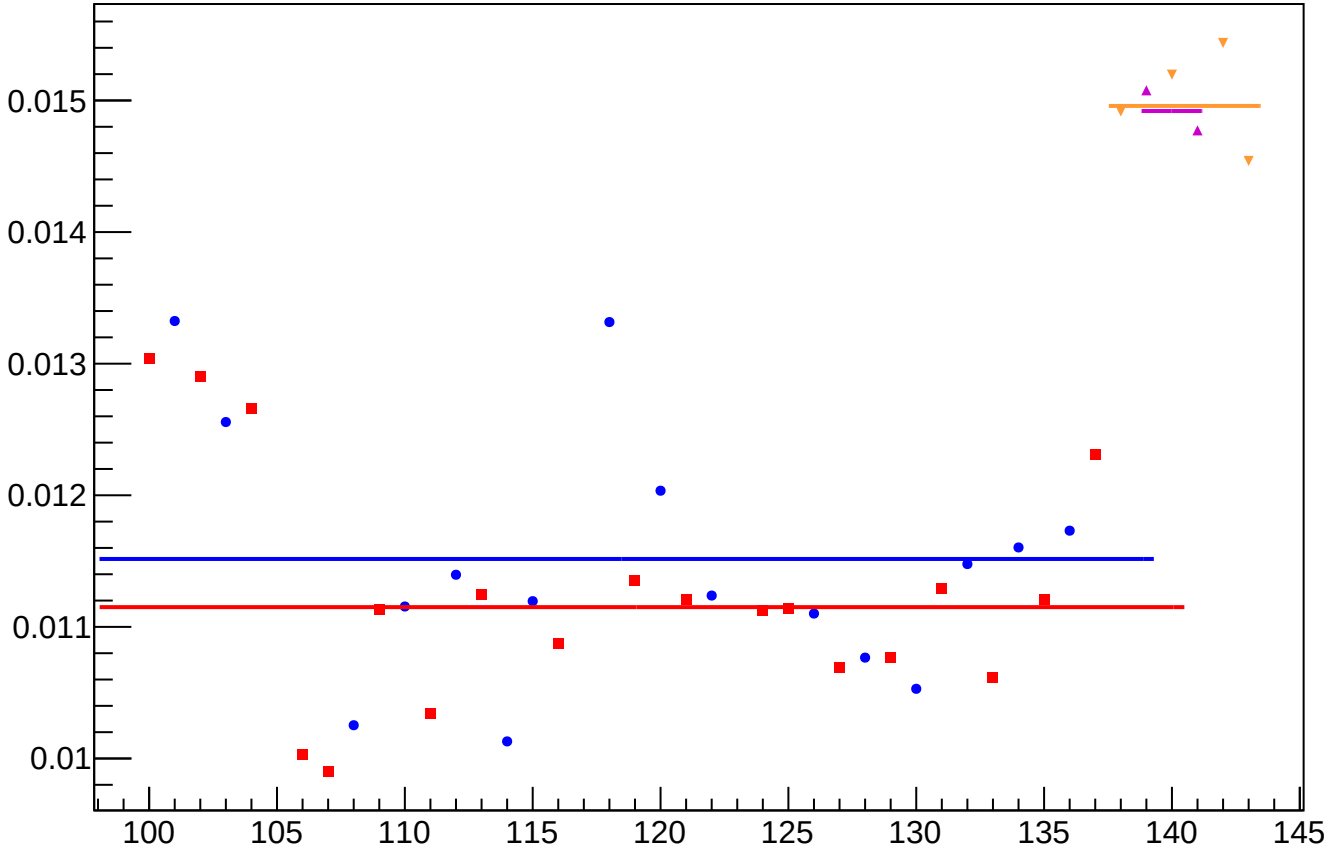
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.333+/-0.000 χ^2/NDF:2890766998.0/17

Out: -0.389+/-0.000 χ^2/NDF:4840250190.8/22

All: -0.363+/-0.000 χ^2/NDF: 7830052668.2/4

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:2389.7/3

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: 2738.7/5

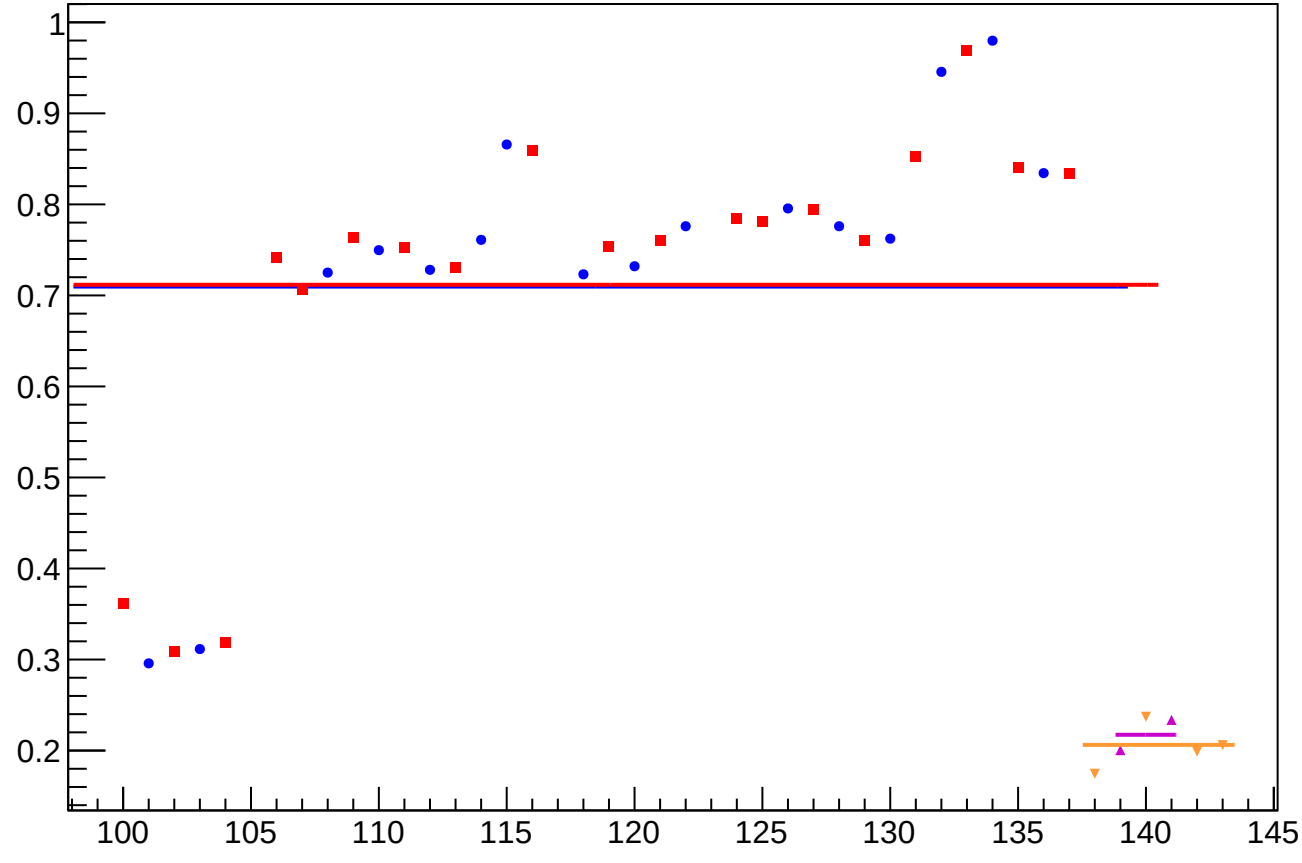
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:232271.5/17

Out: 0.012+/-0.000 χ^2/NDF:354269.9/22

All: 0.012+/-0.000 χ^2/NDF: 587968.7/40

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.206+/-0.000 χ^2/NDF:385389051.7/3

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: 0.210+/-0.000 χ^2/NDF: 531768148.8/5

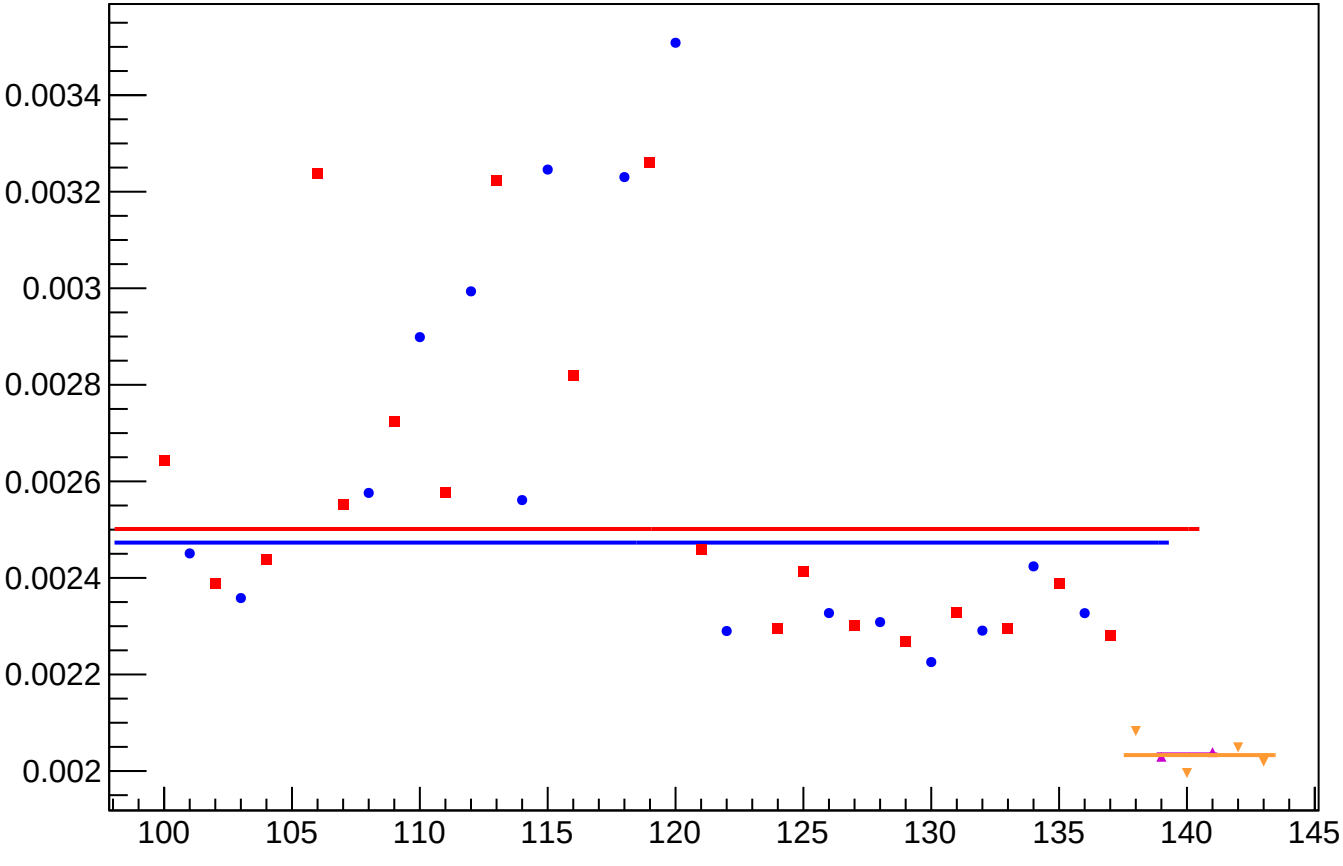
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.576+/-0.000 χ^2/NDF:122368363830.8/17

Out: 0.519+/-0.000 χ^2/NDF:153843179833.4/22

All: 0.545+/-0.000 χ^2/NDF: 278886980167.0

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:1588.3/3

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: 1608.2/5

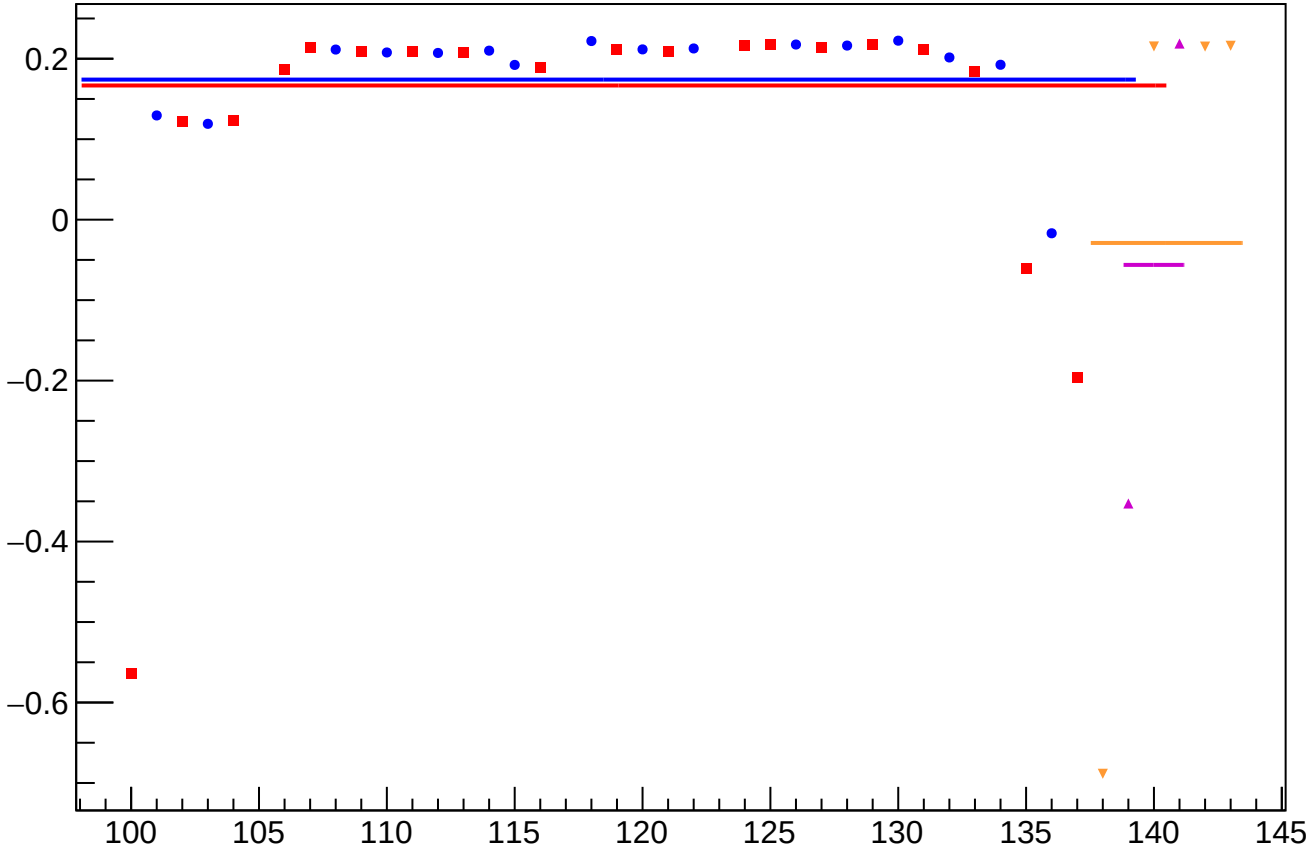
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:324438.8/17

Out: 0.002+/-0.000 χ^2/NDF:366654.6/22

All: 0.002+/-0.000 χ^2/NDF: 692685.5/40

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.029+/-0.000 χ^2/NDF:2321113585.4/3

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: -0.039+/-0.000 χ^2/NDF: 3059875688.0/5

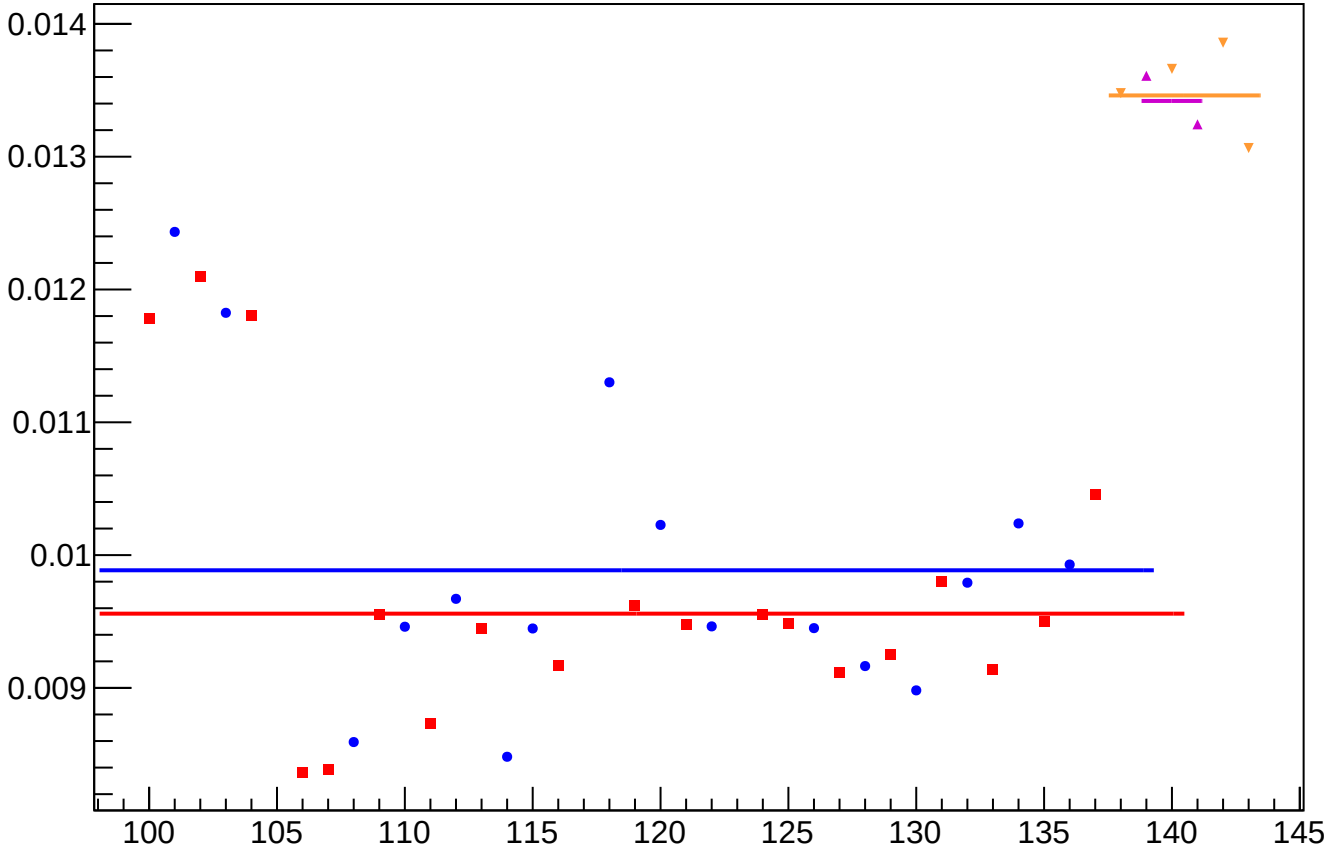
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.148+/-0.000 χ^2/NDF:1559902799.3/17

Out: 0.137+/-0.000 χ^2/NDF:3681239413.7/22

All: 0.142+/-0.000 χ^2/NDF: 5246653344.1/40

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:2359.5/3

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: 2979.5/5

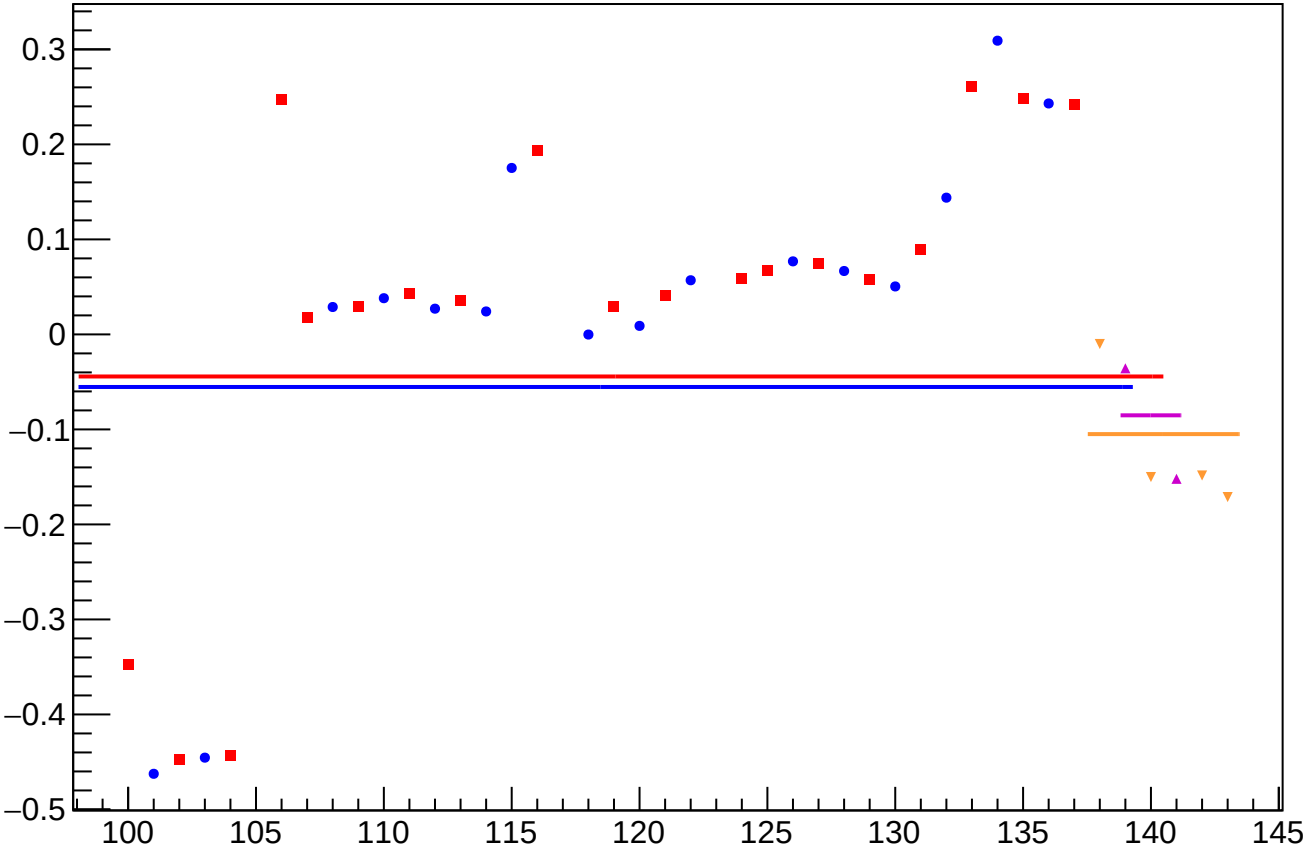
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.010+/-0.000 χ^2/NDF:348582.2/17

Out: 0.010+/-0.000 χ^2/NDF:509191.9/22

All: 0.010+/-0.000 χ^2/NDF: 859132.4/40

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.105+/-0.000 χ^2/NDF:1345394061.5/3

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: -0.097+/-0.000 χ^2/NDF: 1944460665.5/5

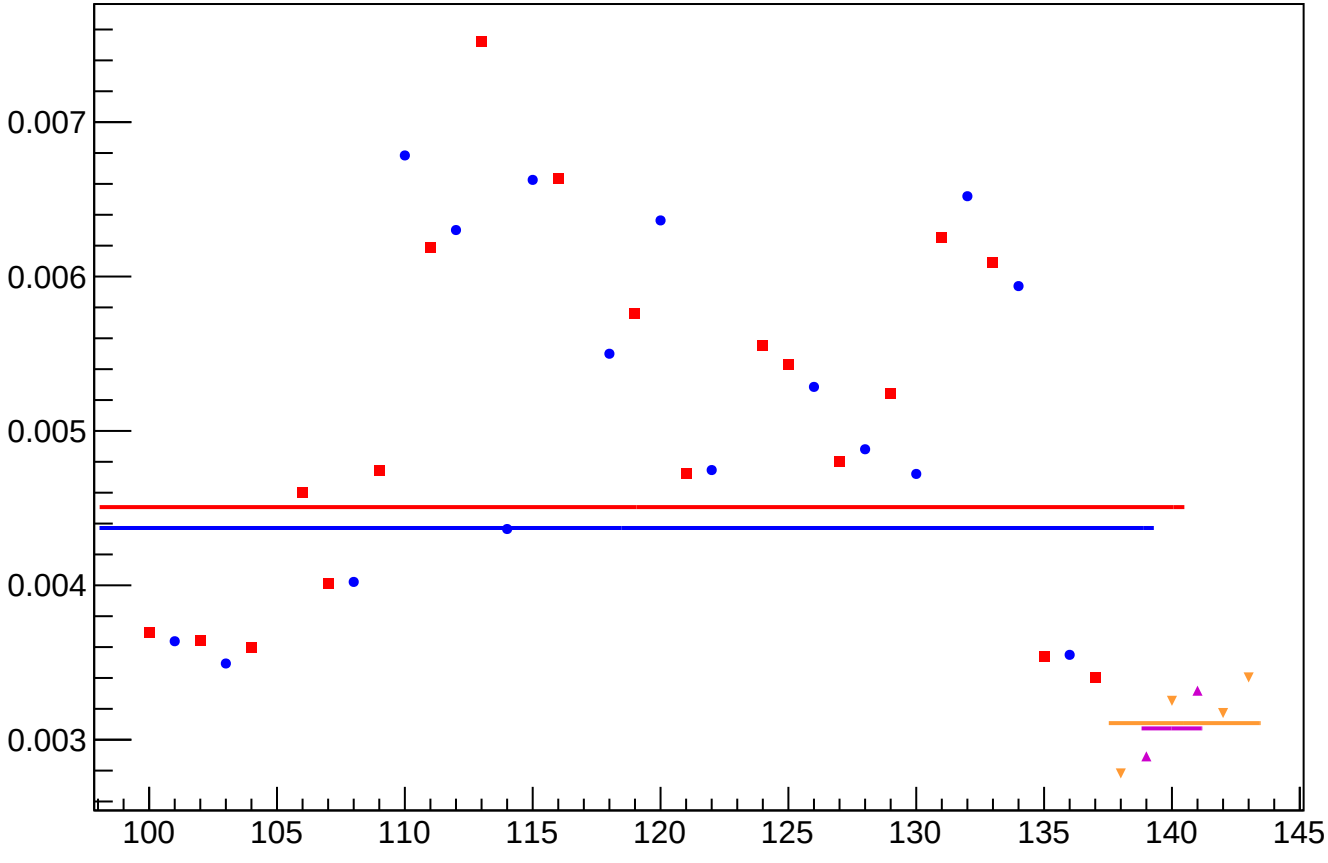
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.066+/-0.000 χ^2/NDF:24738938153.1/17

Out: -0.072+/-0.000 χ^2/NDF:24012379434.9/22

All: -0.069+/-0.000 χ^2/NDF: 48762351960.0/

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:34286.6/3

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: 49471.8/5

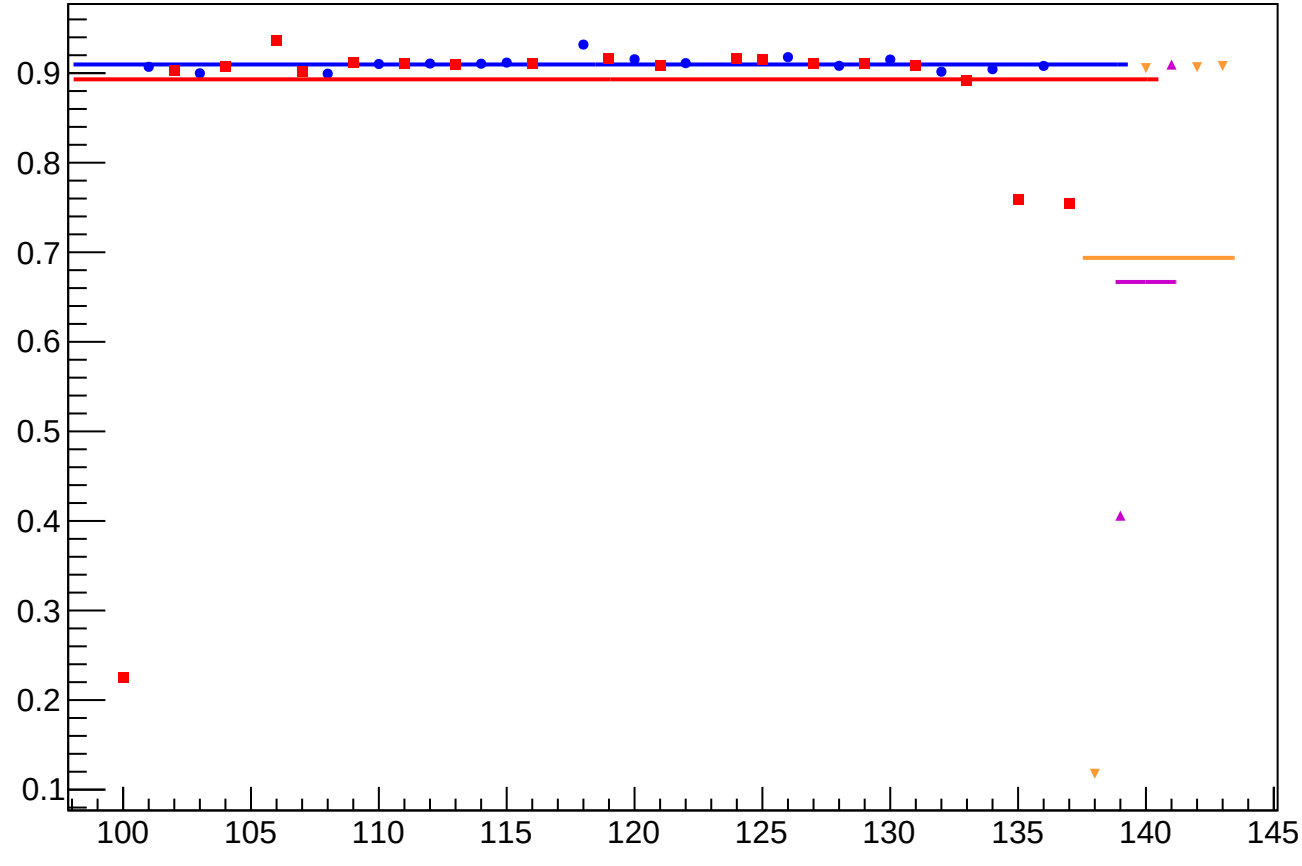
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1047734.2/17

Out: 0.004+/-0.000 χ^2/NDF:1303853.9/22

All: 0.004+/-0.000 χ^2/NDF: 2353325.7/40

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.694+/-0.000 χ^2/NDF:1923414013.8/3

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: 0.683+/-0.000 χ^2/NDF: 2546535956.3/5

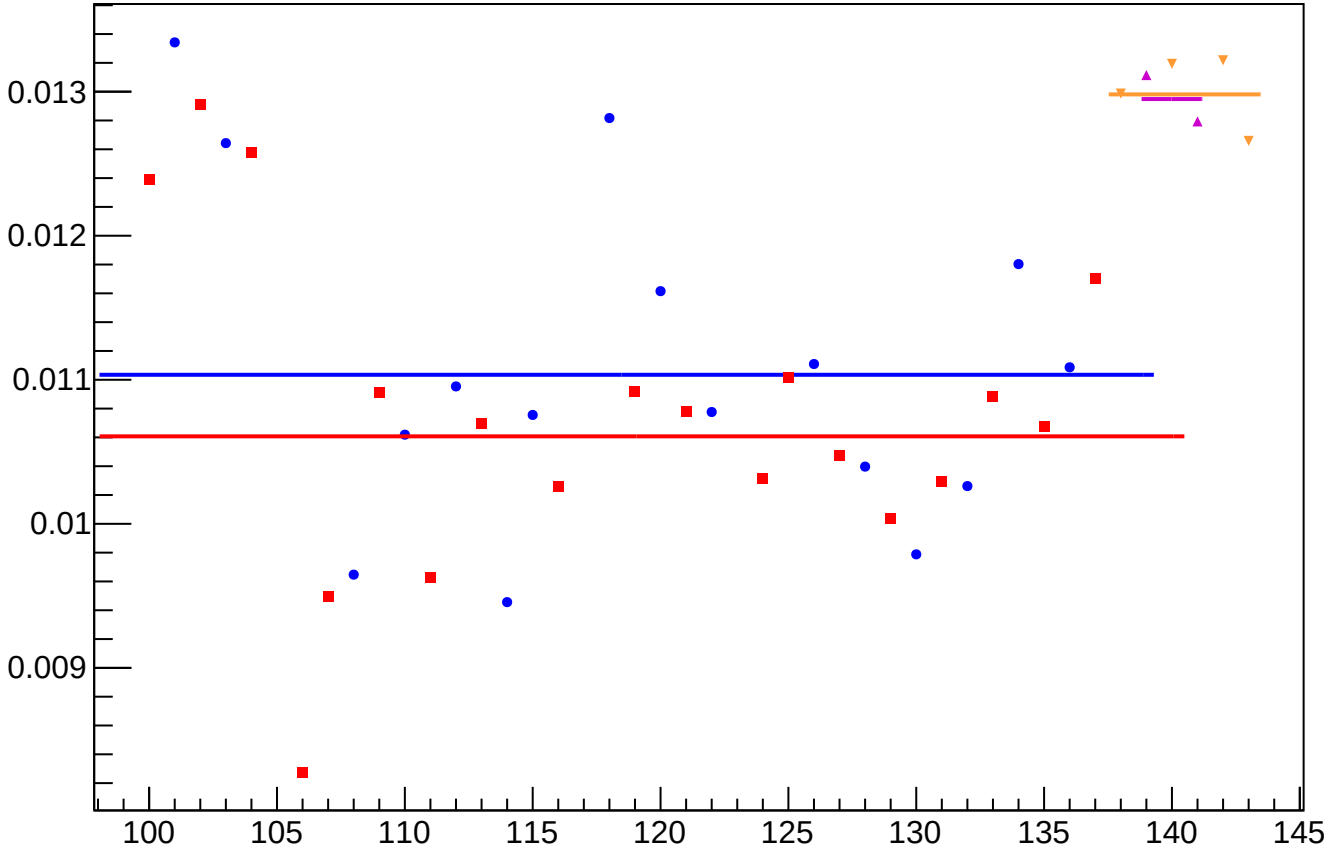
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.874+/-0.000 χ^2/NDF:1112938494.2/17

Out: 0.854+/-0.000 χ^2/NDF:2751697152.1/22

All: 0.863+/-0.000 χ^2/NDF: 3879011355.8/40

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:1638.9/3

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: 2155.8/5

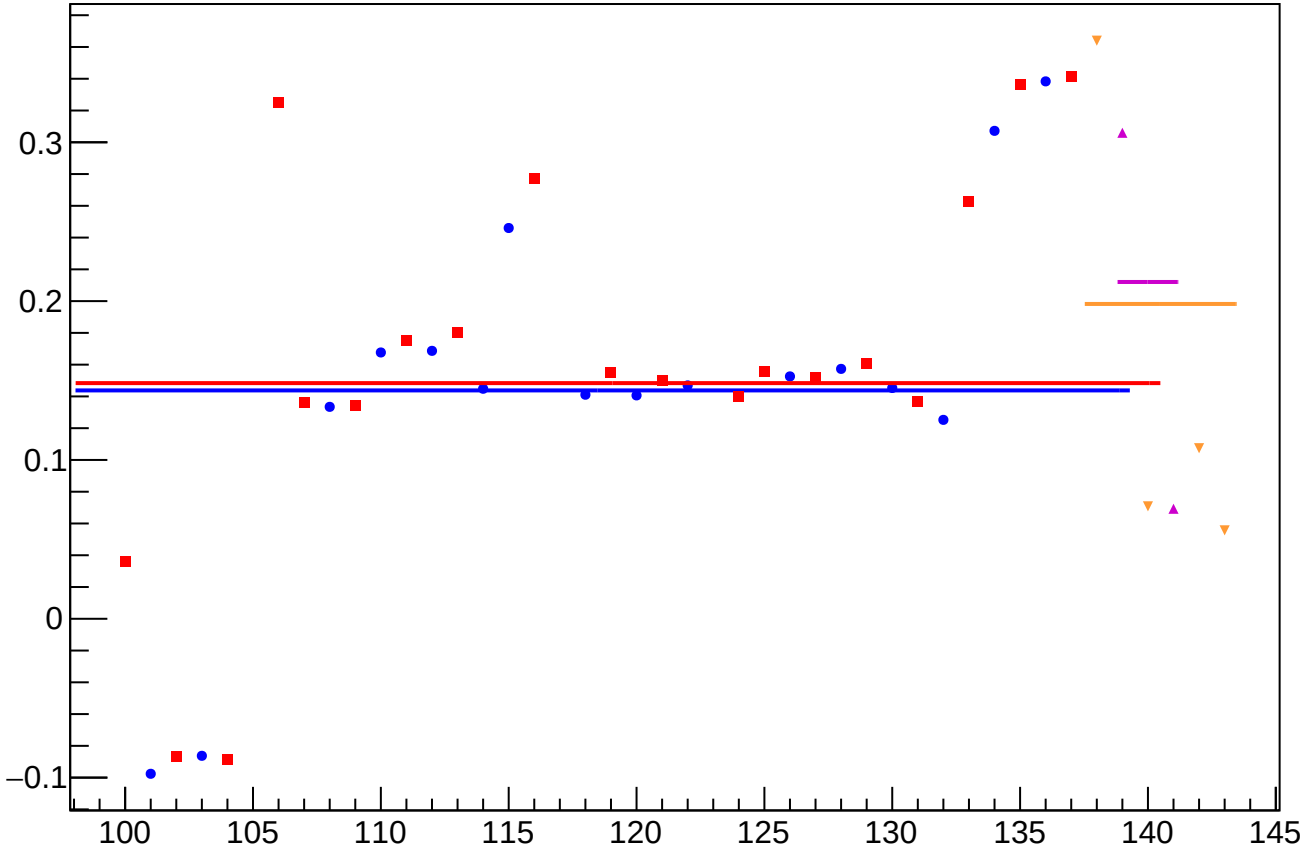
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:191873.0/17

Out: 0.011+/-0.000 χ^2/NDF:287500.0/22

All: 0.011+/-0.000 χ^2/NDF: 483648.8/40

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.198+/-0.000 χ^2/NDF:3677883782.0/3

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: 0.204+/-0.000 χ^2/NDF: 5175611554.1/5

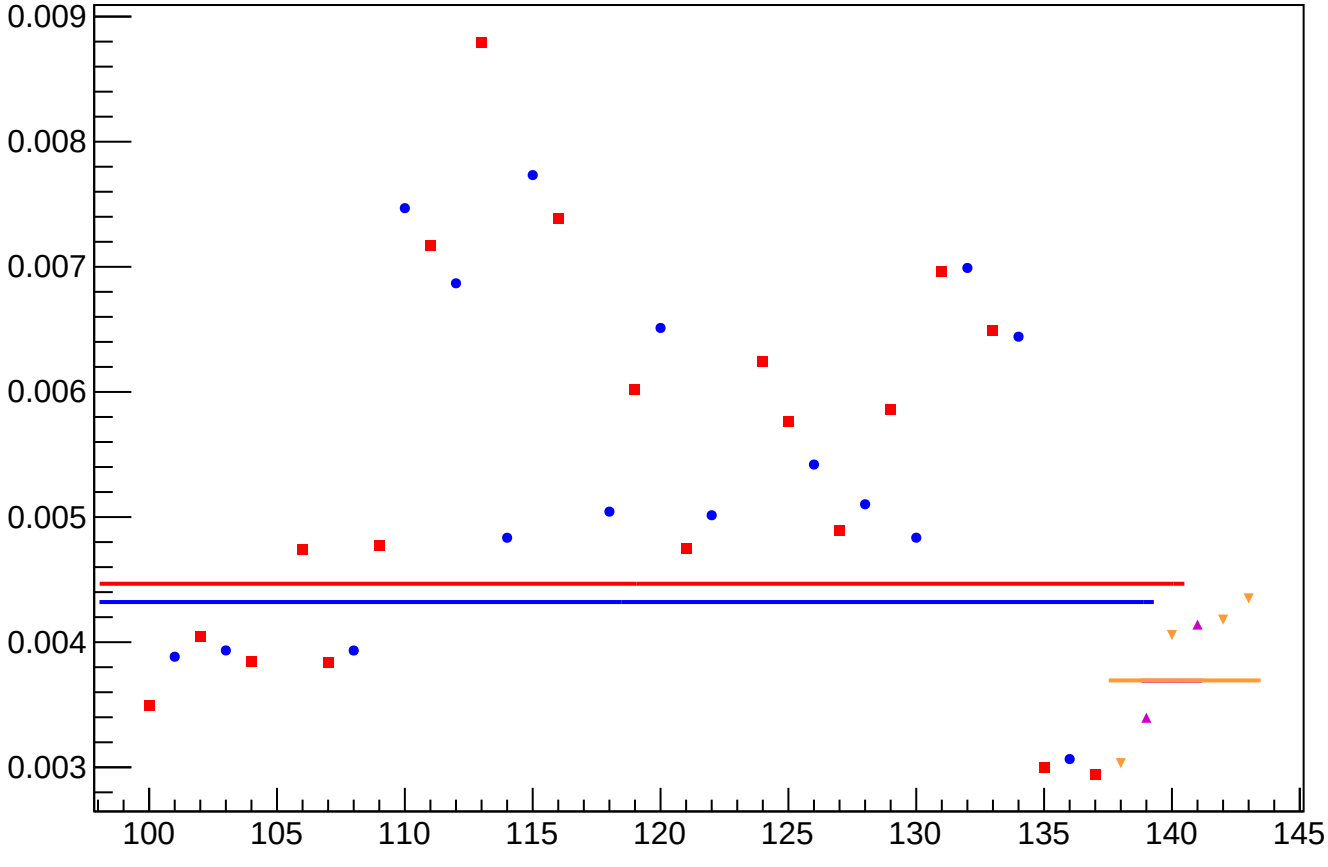
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.162+/-0.000 χ^2/NDF:9731109384.9/17

Out: 0.167+/-0.000 χ^2/NDF:11081493793.5/22

All: 0.165+/-0.000 χ^2/NDF: 20818254371.6/4

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:119168.3/3

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: 148535.2/5

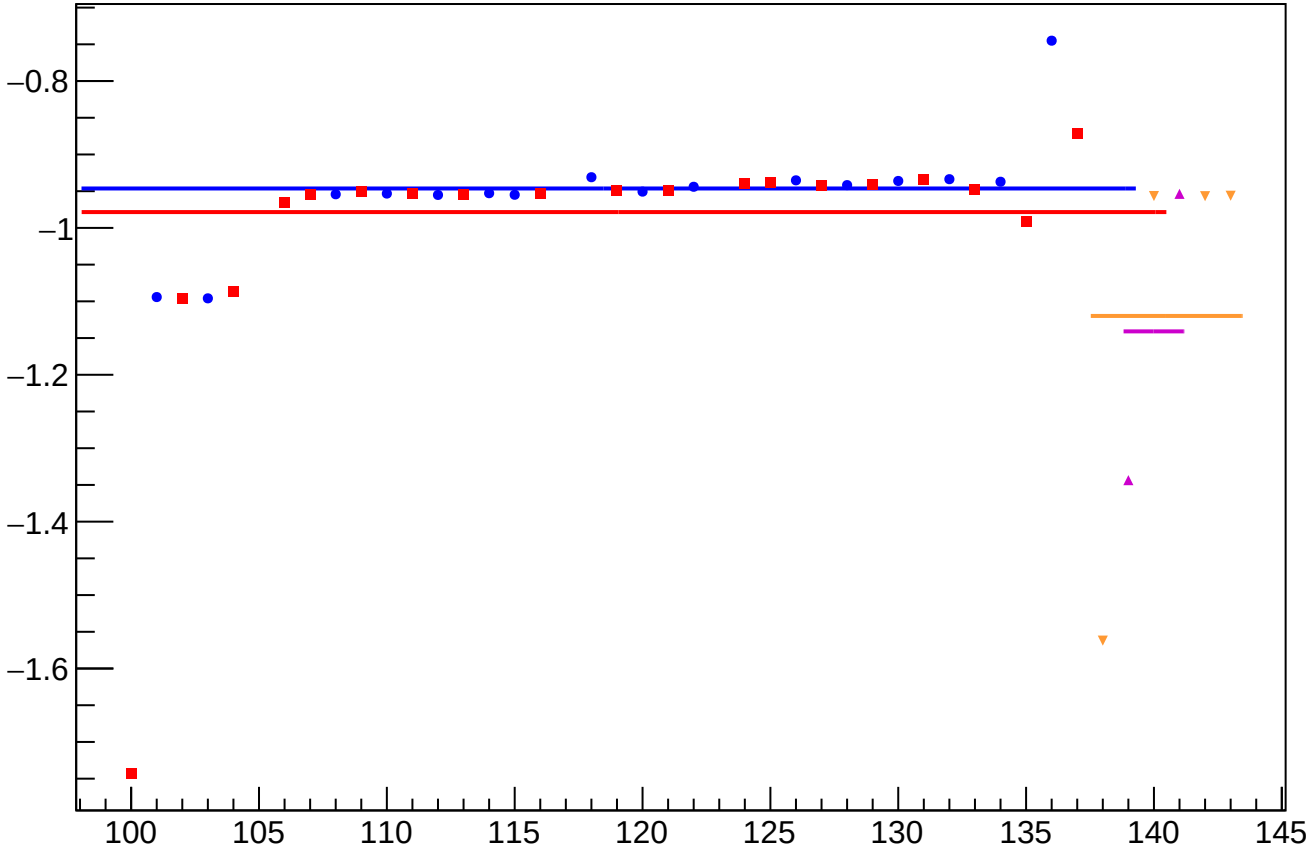
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:972093.2/17

Out: 0.004+/-0.000 χ^2/NDF:1337116.6/22

All: 0.004+/-0.000 χ^2/NDF: 2309495.6/40

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.120+/-0.000 χ^2/NDF:1460770413.7/3

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: -1.128+/-0.000 χ^2/NDF: 1938292239.9/5

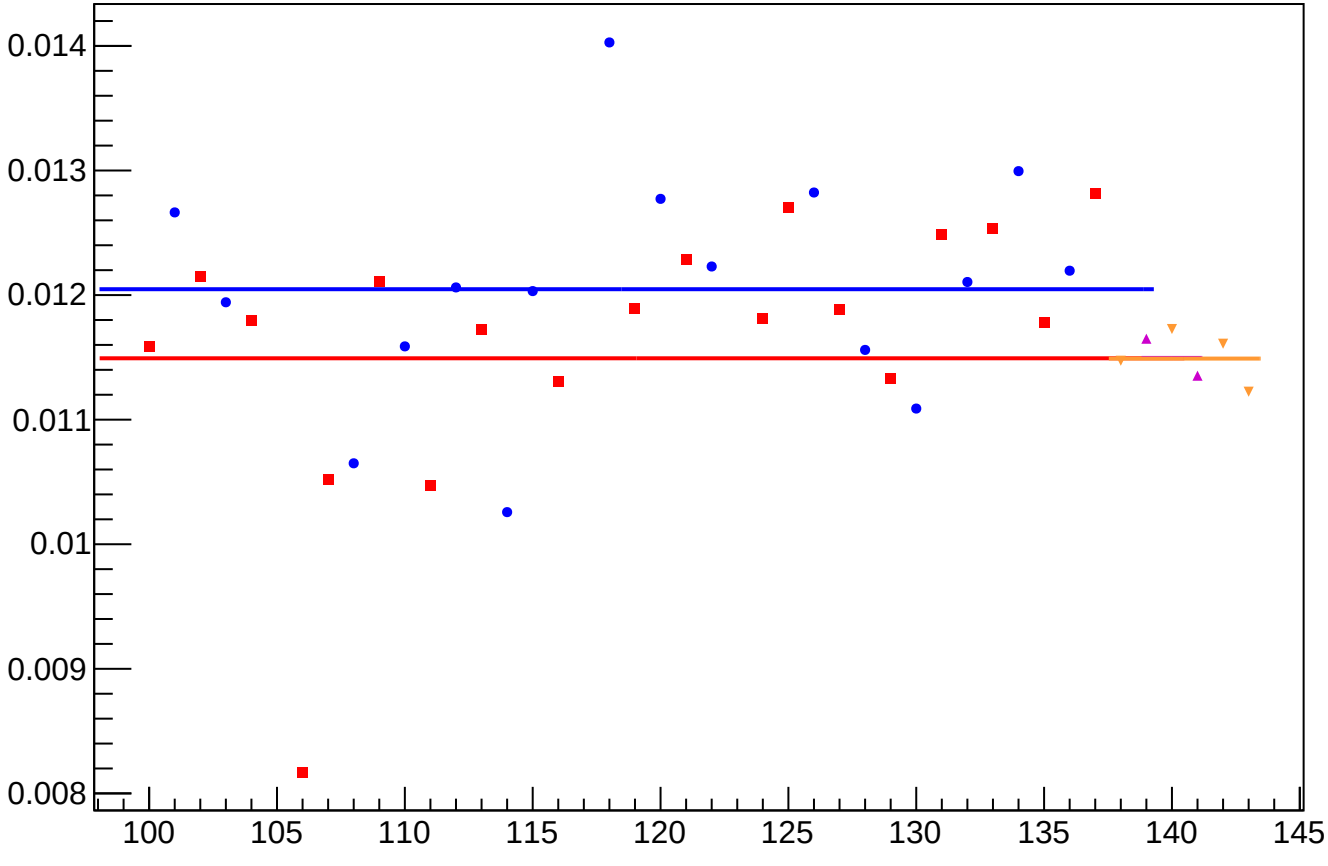
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.987+/-0.000 χ^2/NDF:1252947293.9/17

Out: -1.017+/-0.000 χ^2/NDF:2216457288.7/22

All: -1.004+/-0.000 χ^2/NDF: 3499108797.9/4

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:1578.6/3

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: 0.011+/-0.000 χ^2/NDF: 2128.9/5

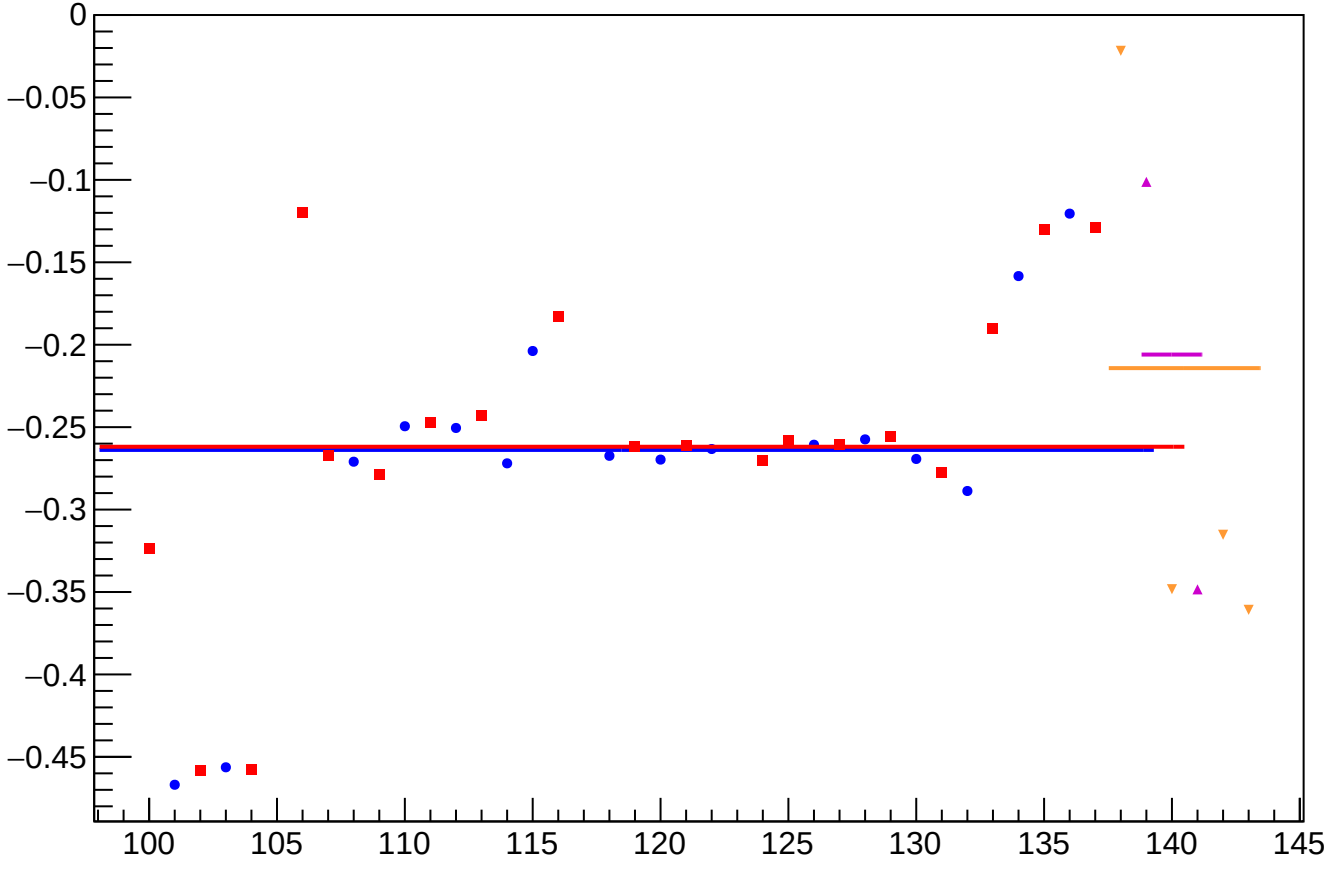
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:69041.5/17

Out: 0.011+/-0.000 χ^2/NDF:152888.1/22

All: 0.012+/-0.000 χ^2/NDF: 234771.3/40

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.214+/-0.000 χ^2/NDF:3428338631.9/3

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: -0.211+/-0.000 χ^2/NDF: 4687294426.0/5

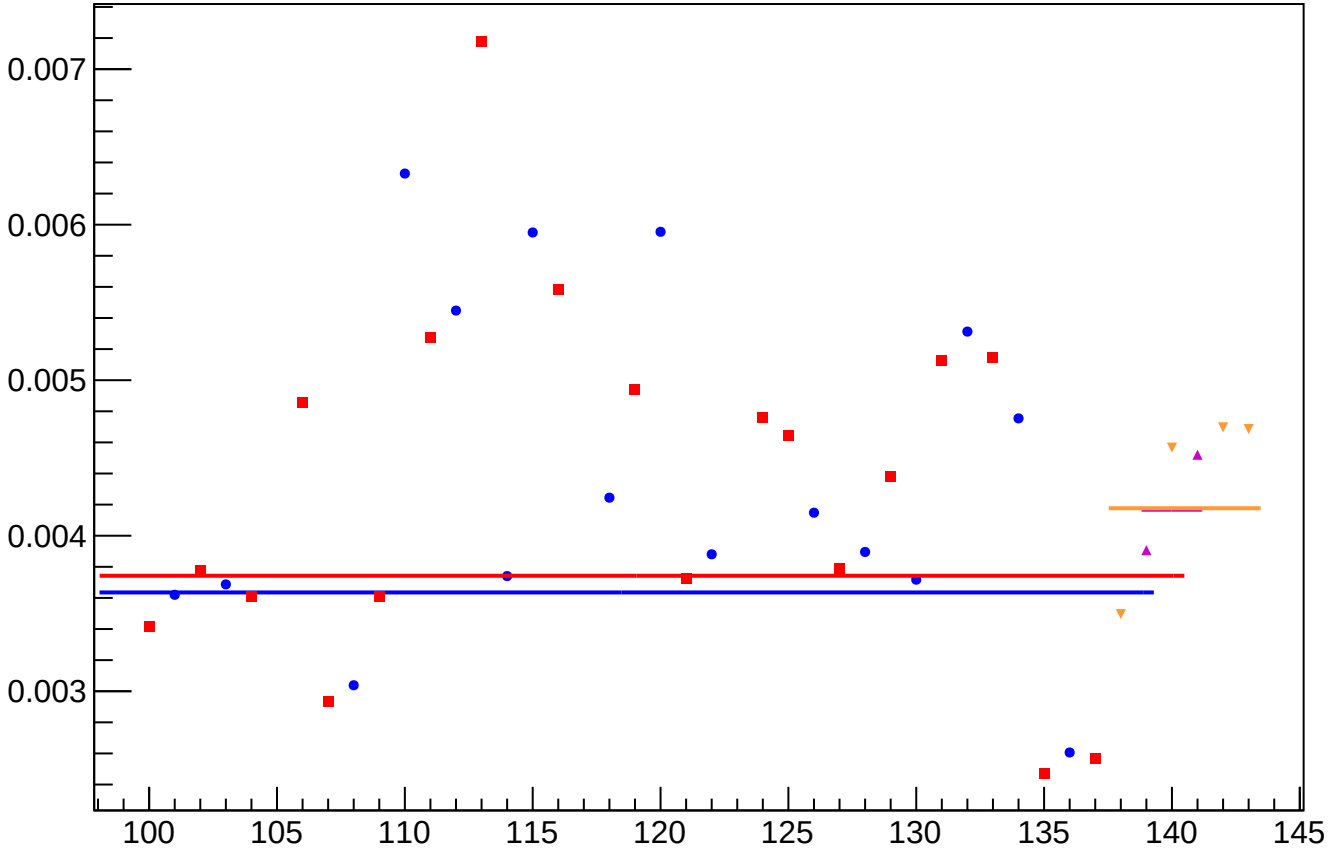
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.254+/-0.000 χ^2/NDF:7597635838.2/17

Out: -0.251+/-0.000 χ^2/NDF:8911632395.6/22

All: -0.252+/-0.000 χ^2/NDF: 16513488524.3/

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:85824.4/3

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: 101311.1/5

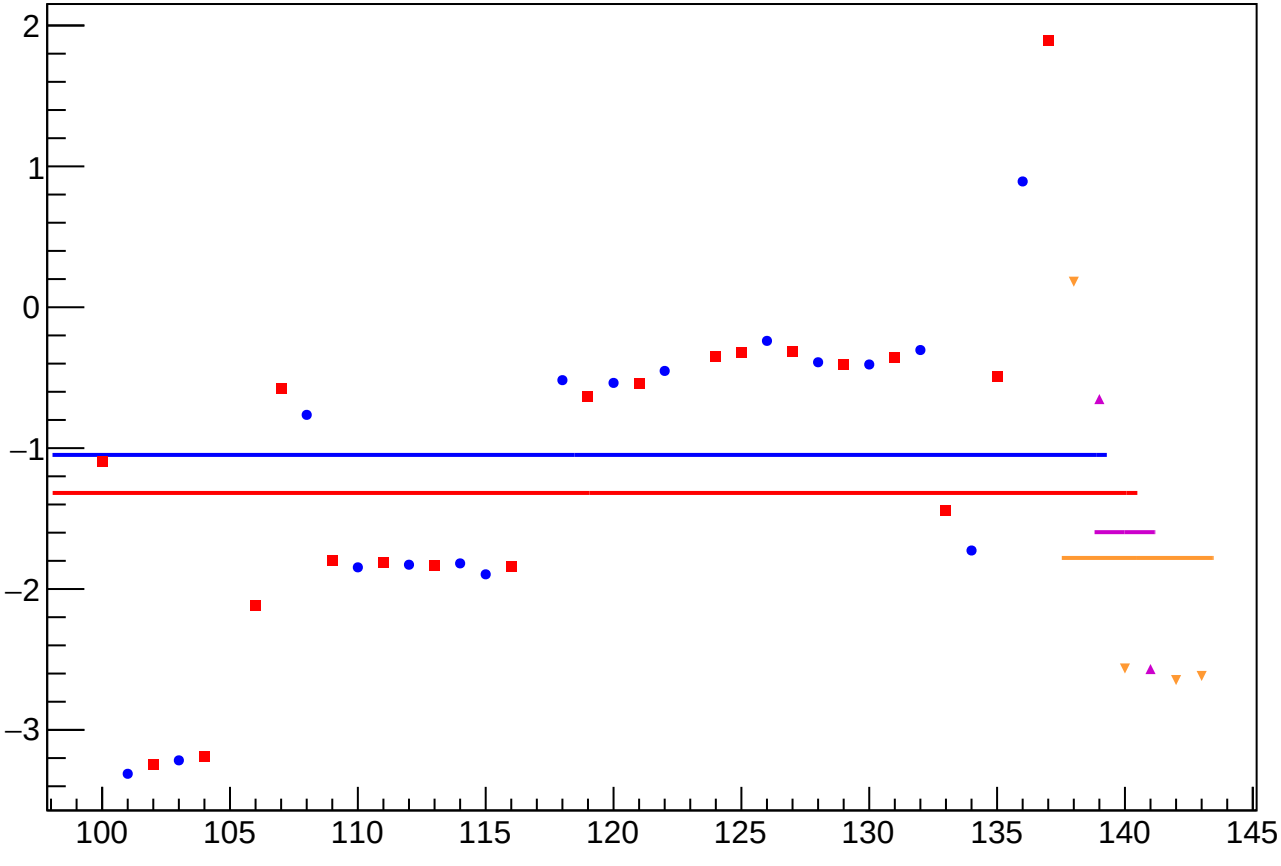
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:783995.7/17

Out: 0.004+/-0.000 χ^2/NDF:1018662.4/22

All: 0.004+/-0.000 χ^2/NDF: 1811099.8/40

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.779+/-0.000 χ^2/NDF:821808052.5/3

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: -1.711+/-0.000 χ^2/NDF: 1110031772.6/5

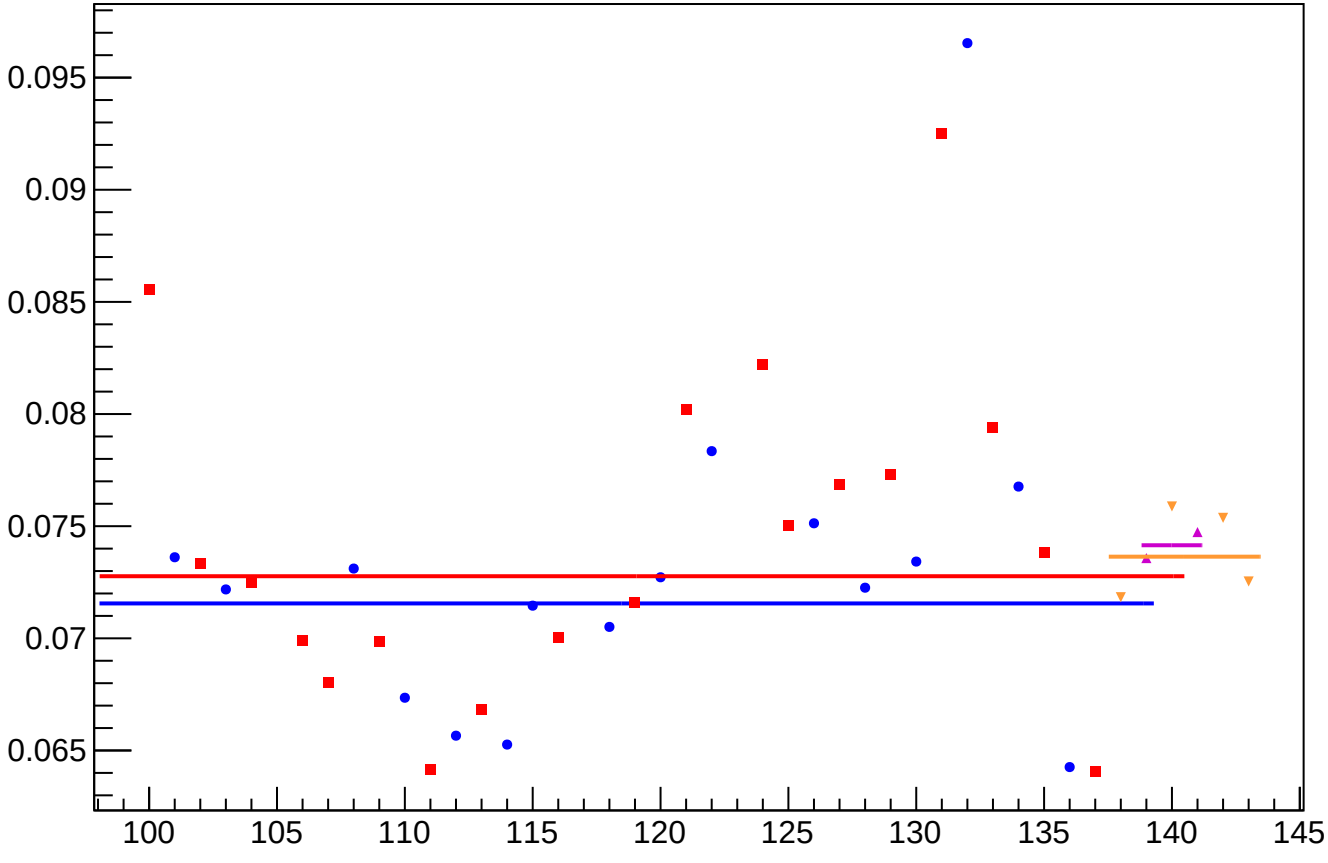
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.149+/-0.000 χ^2/NDF:2704250571.5/17

Out: -1.443+/-0.000 χ^2/NDF:2748776067.3/22

All: -1.304+/-0.000 χ^2/NDF: 5529803220.5/4

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:3159.3/3

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: 3465.0/5

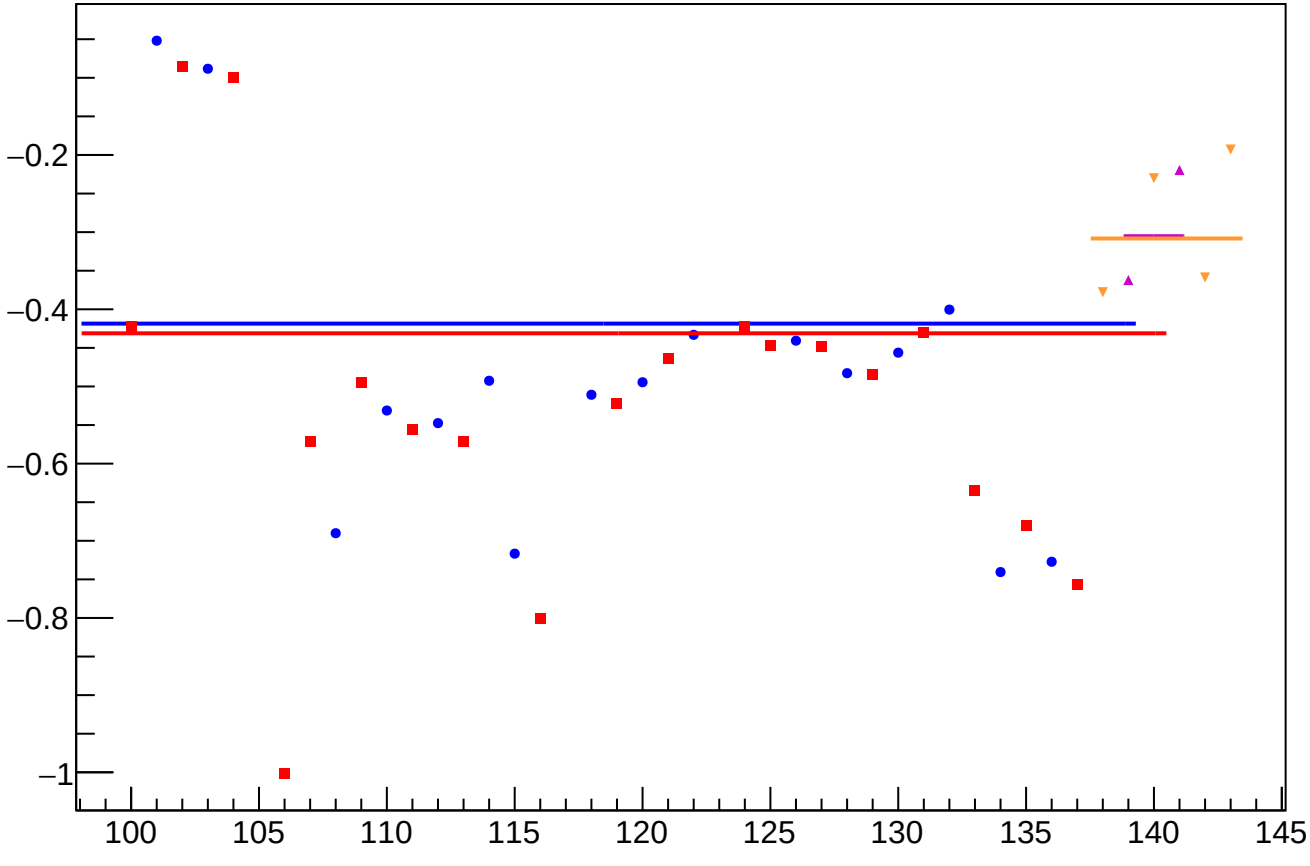
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.072+/-0.000 χ^2/NDF:104819.7/17

Out: 0.073+/-0.000 χ^2/NDF:100597.4/22

All: 0.073+/-0.000 χ^2/NDF: 207098.2/40

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.308+/-0.000 χ^2/NDF:231717313.4/3

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: -0.307+/-0.000 χ^2/NDF: 346659376.0/5

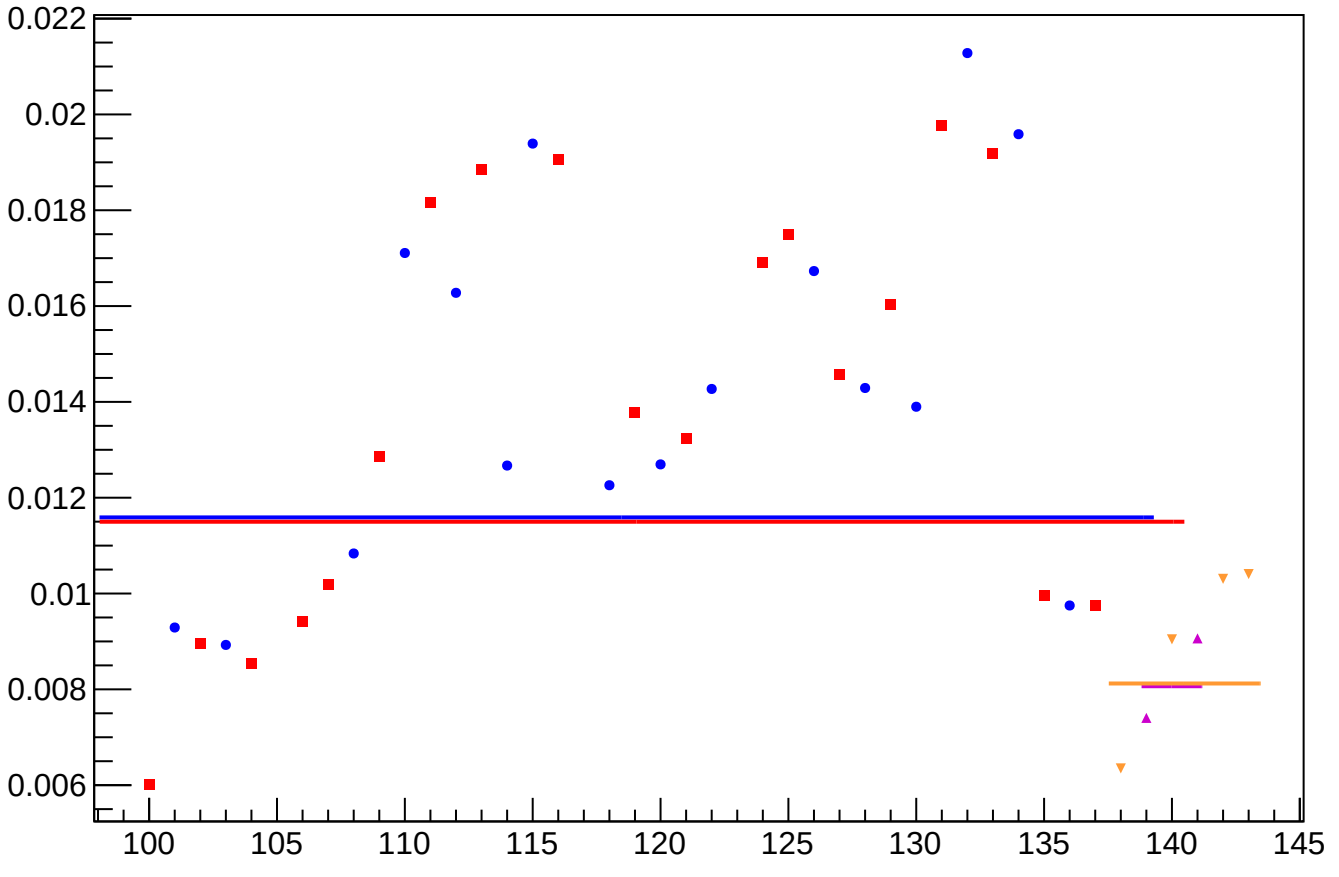
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.379+/-0.000 χ^2/NDF:3384347957.2/17

Out: -0.377+/-0.000 χ^2/NDF:3733113248.0/22

All: -0.378+/-0.000 χ^2/NDF: 7117743926.6/4

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:227476.2/3

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: 258661.7/5

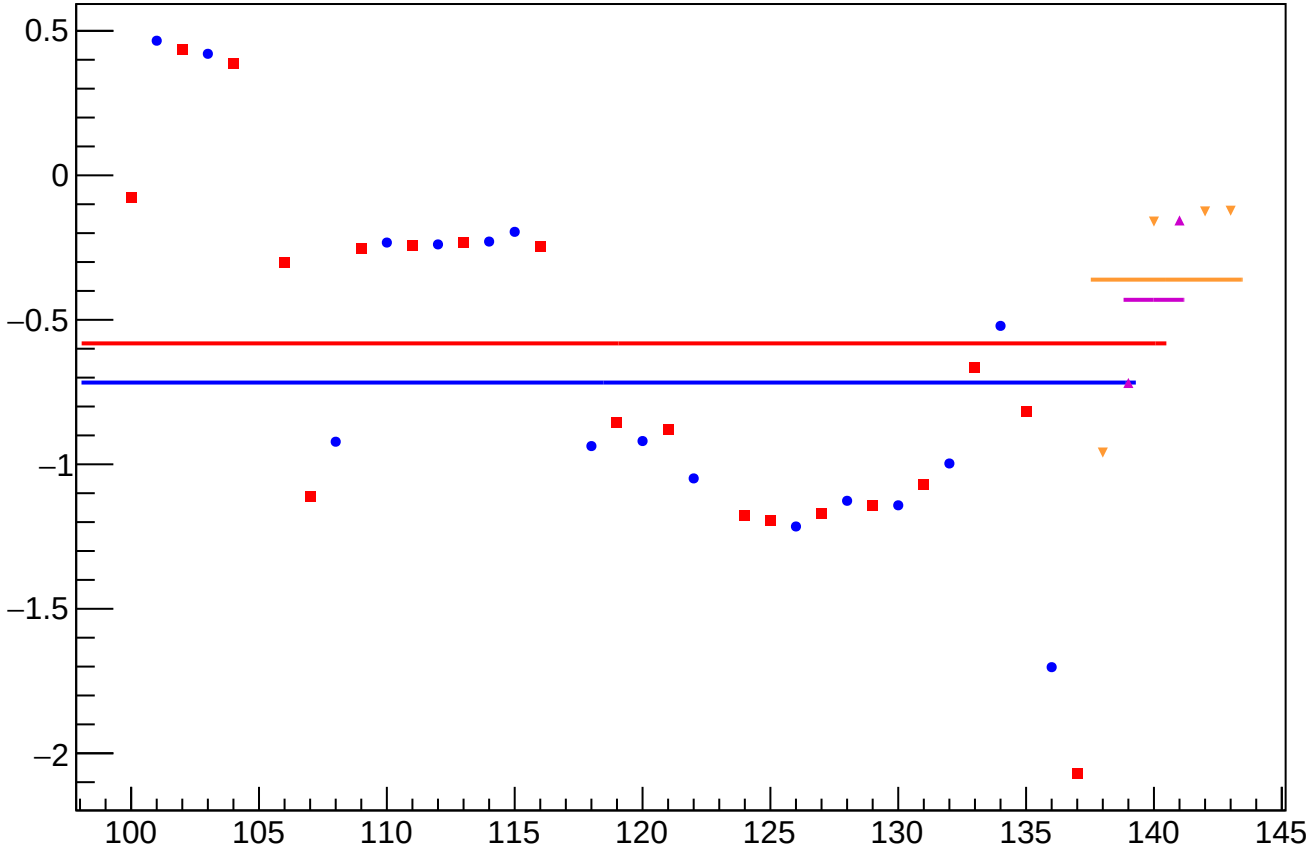
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1199598.1/17

Out: 0.010+/-0.000 χ^2/NDF:1852290.4/22

All: 0.010+/-0.000 χ^2/NDF: 3061930.0/40

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.361+/-0.000 χ^2/NDF:55998093.1/3

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: -0.387+/-0.000 χ^2/NDF: 76419700.6/5

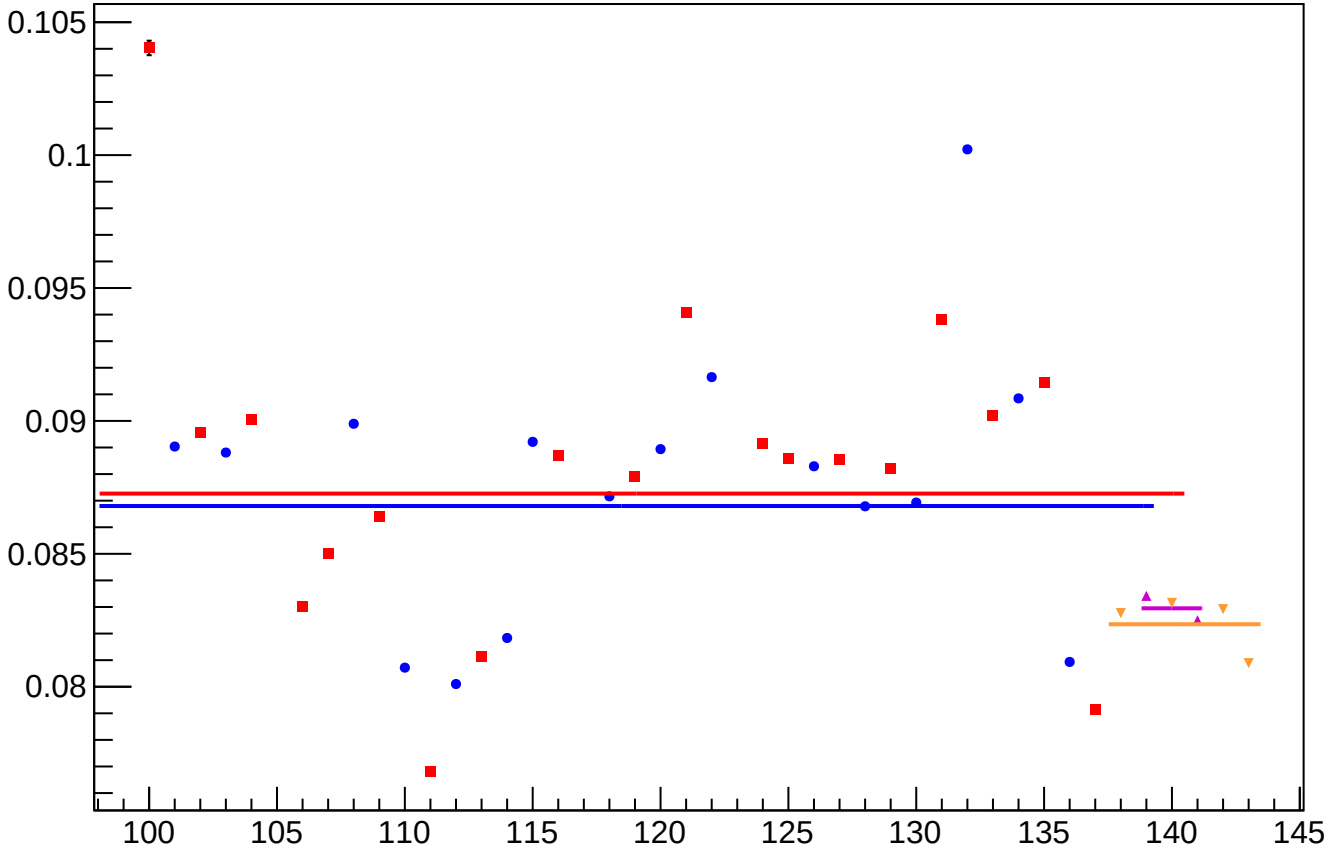
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.658+/-0.000 χ^2/NDF:473253982.2/17

Out: -0.515+/-0.000 χ^2/NDF:412315710.9/22

All: -0.581+/-0.000 χ^2/NDF: 898650291.8/40

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.082+/-0.000 χ^2/NDF:757.8/3

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: 974.3/5

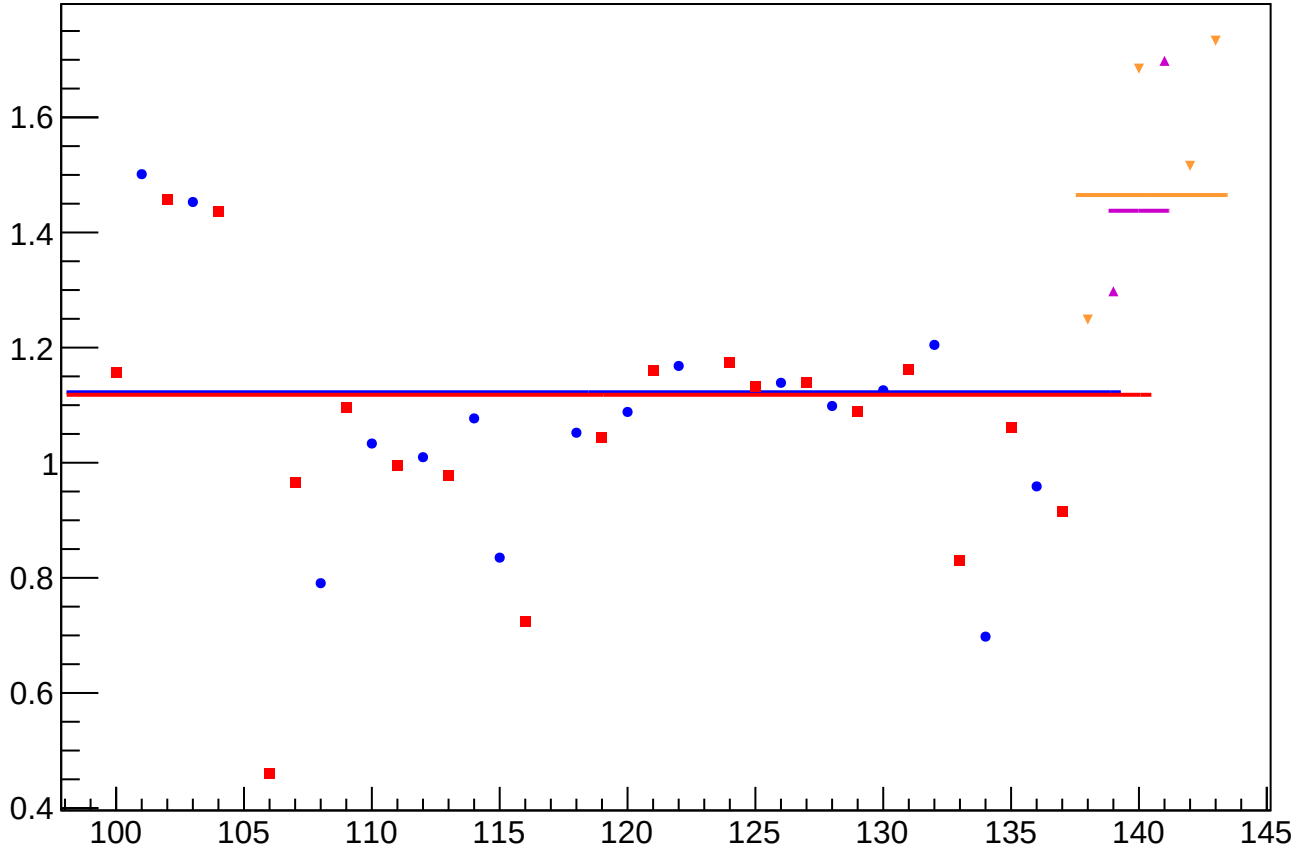
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:49522.8/17

Out: 0.086+/-0.000 χ^2/NDF:61075.3/22

All: 0.086+/-0.000 χ^2/NDF: 110654.1/40

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.465+/-0.000 χ^2/NDF:1225761652.5/3

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: 1.454+/-0.000 χ^2/NDF: 1864966251.0/5

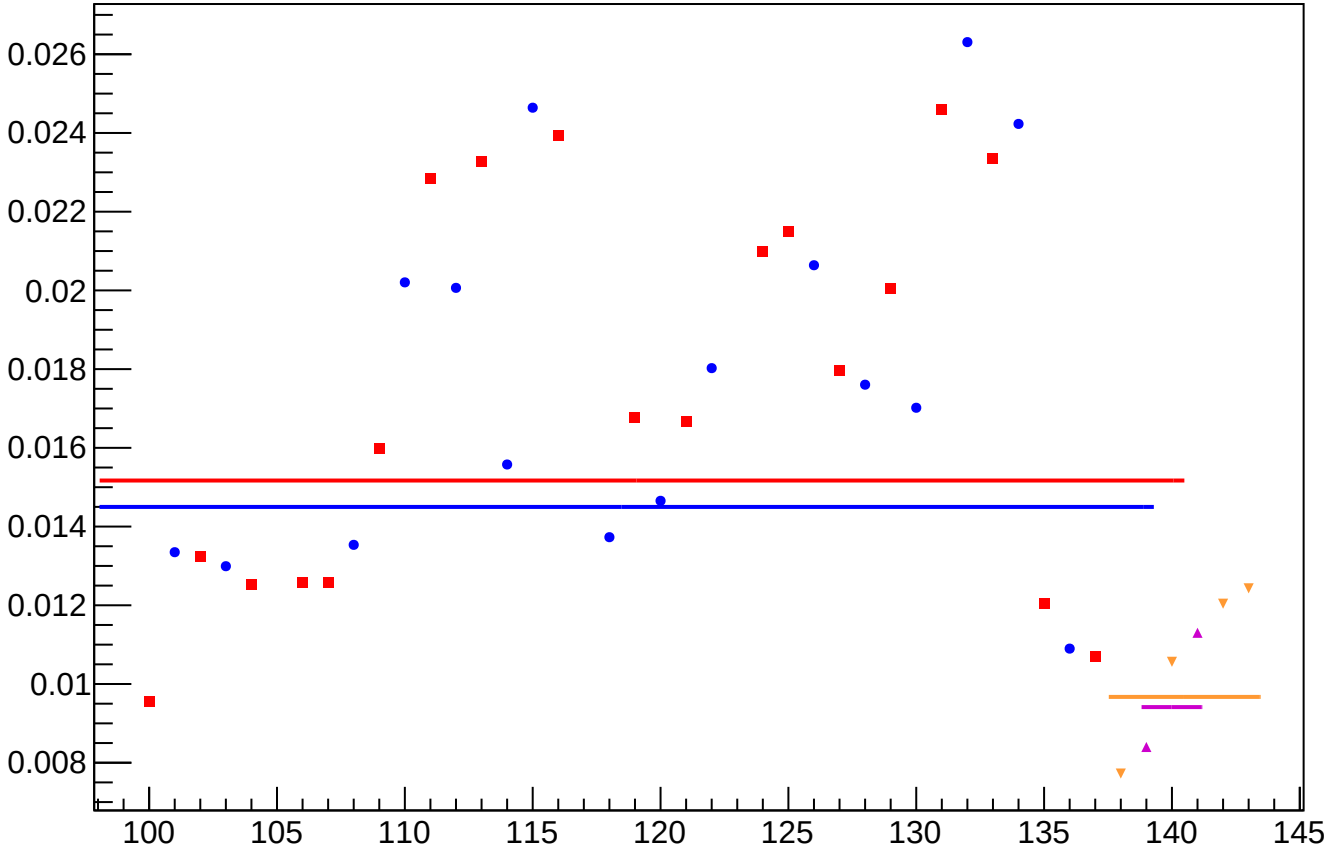
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.242+/-0.000 χ^2/NDF:3156382695.1/17

Out: 1.290+/-0.000 χ^2/NDF:4388878753.4/22

All: 1.268+/-0.000 χ^2/NDF: 7602528180.2/40

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:205103.3/3

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: 0.010+/-0.000 χ^2/NDF: 272844.2/5

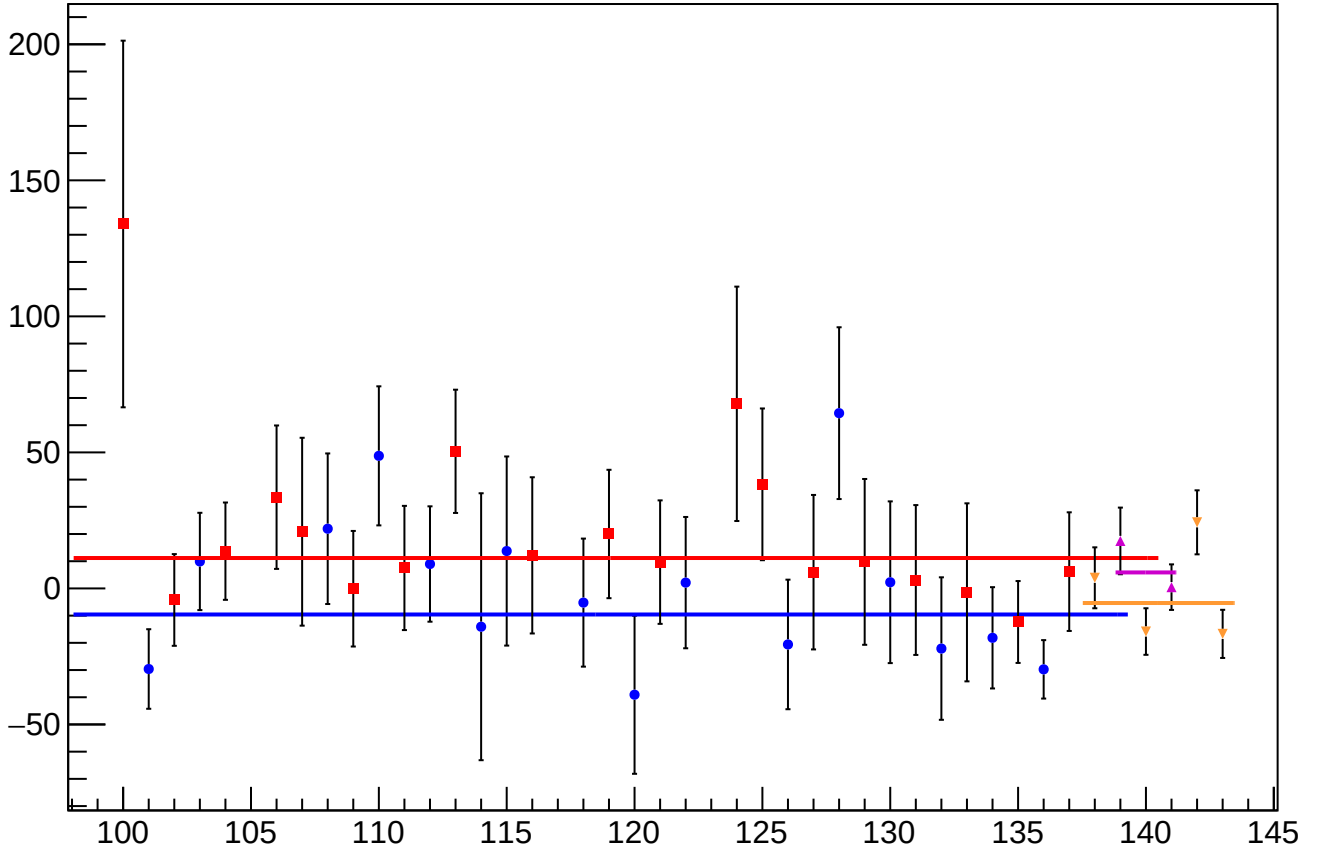
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.013+/-0.000 χ^2/NDF:1333552.3/17

Out: 0.012+/-0.000 χ^2/NDF:1869210.3/22

All: 0.013+/-0.000 χ^2/NDF: 3203583.1/40

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -5.361+/-4.902 χ^2/NDF:10.2/3

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: -1.601+/-3.998 χ^2/NDF: 13.3/5

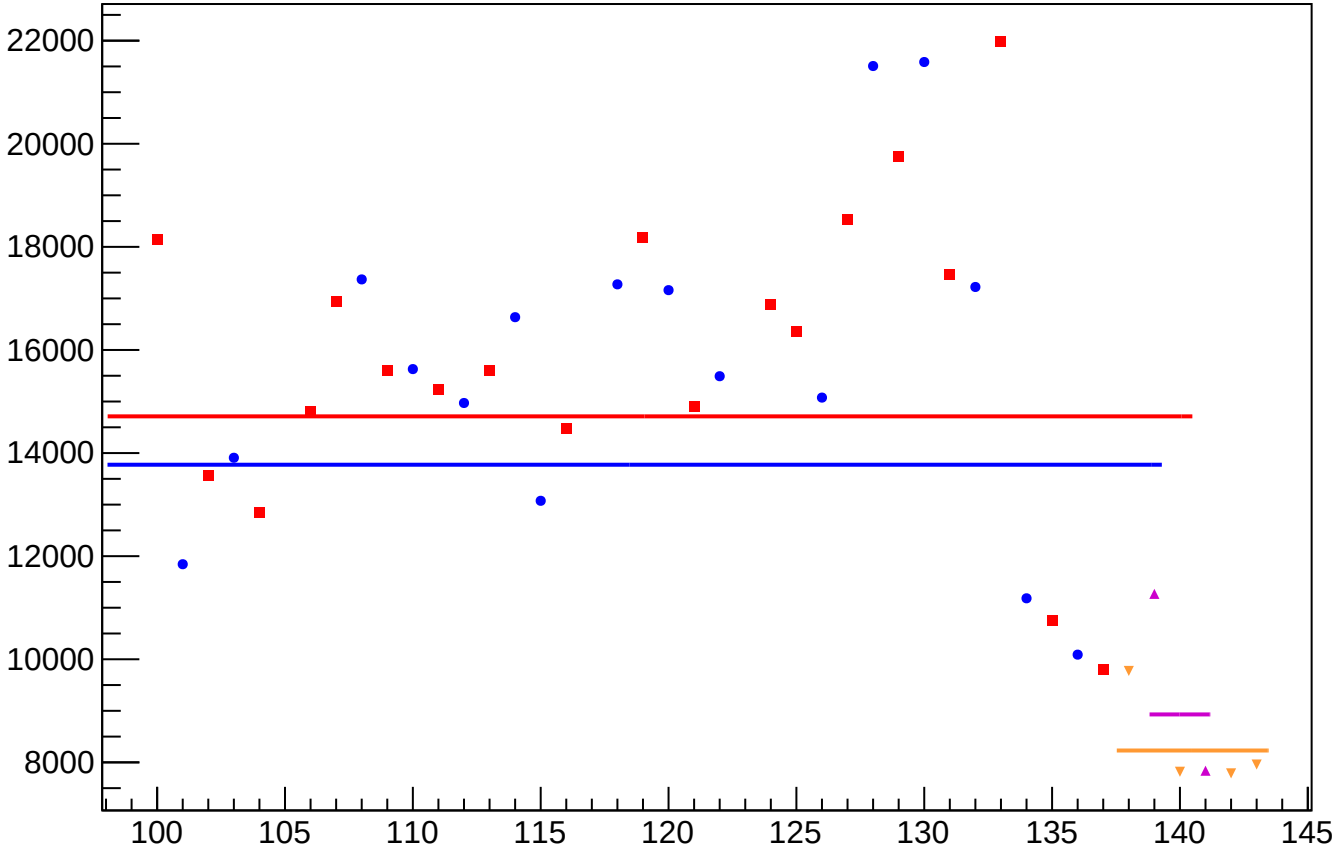
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -3.871+/-4.201 χ^2/NDF:26.4/17

Out: 1.964+/-3.658 χ^2/NDF:29.1/22

All: -0.553+/-2.759 χ^2/NDF: 56.6/40

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8230.230+/-3.466 χ^2/NDF:47359.6/3

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: 8464.377+/-2.827 χ^2/NDF: 167895.8/5

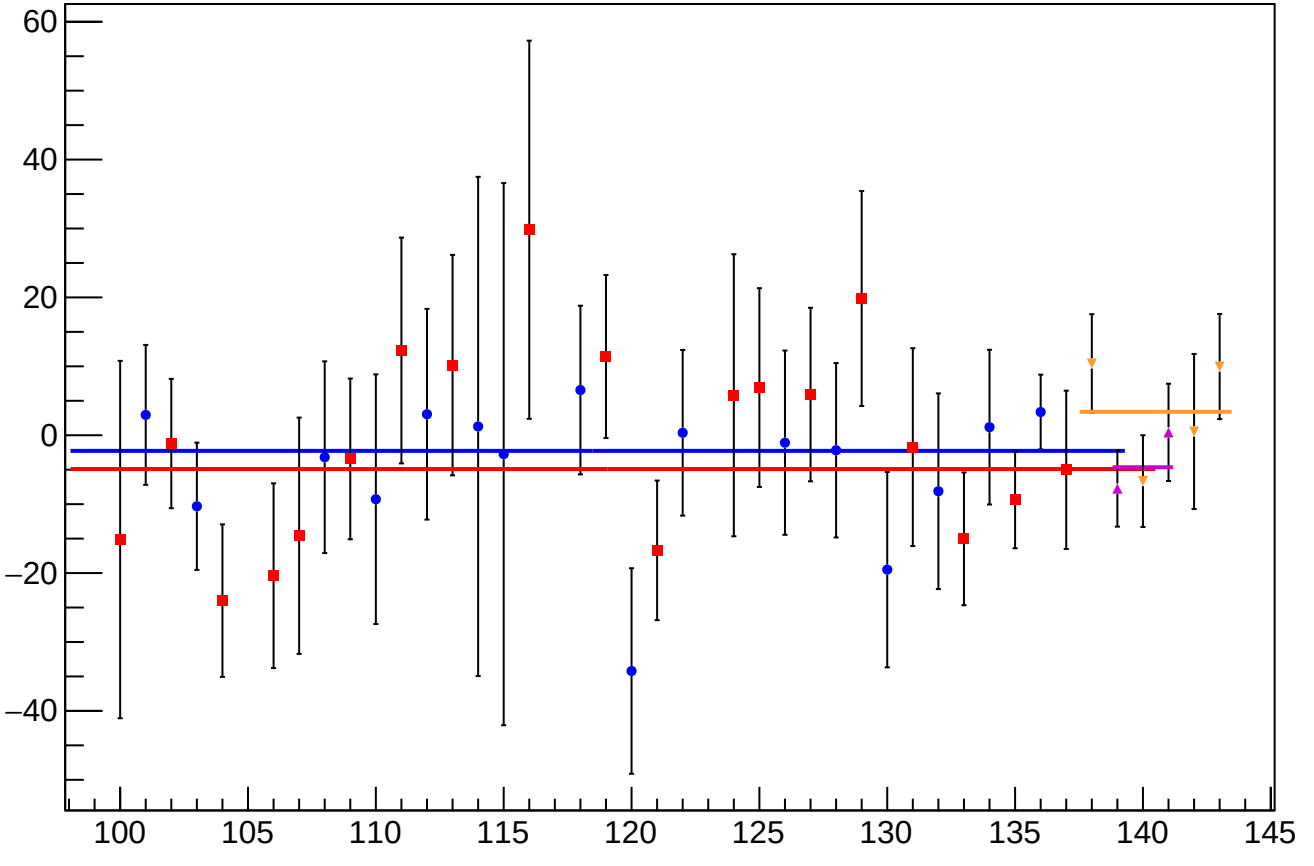
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 11984.480+/-2.971 χ^2/NDF:1473788.8/17

Out: 11101.170+/-2.587 χ^2/NDF:2153804.9/22

All: 11482.108+/-1.951 χ^2/NDF: 3677874.7/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.399+/-3.859 χ^2/NDF:4.0/3

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -4.647+/-4.349 χ^2/NDF:0.8/1

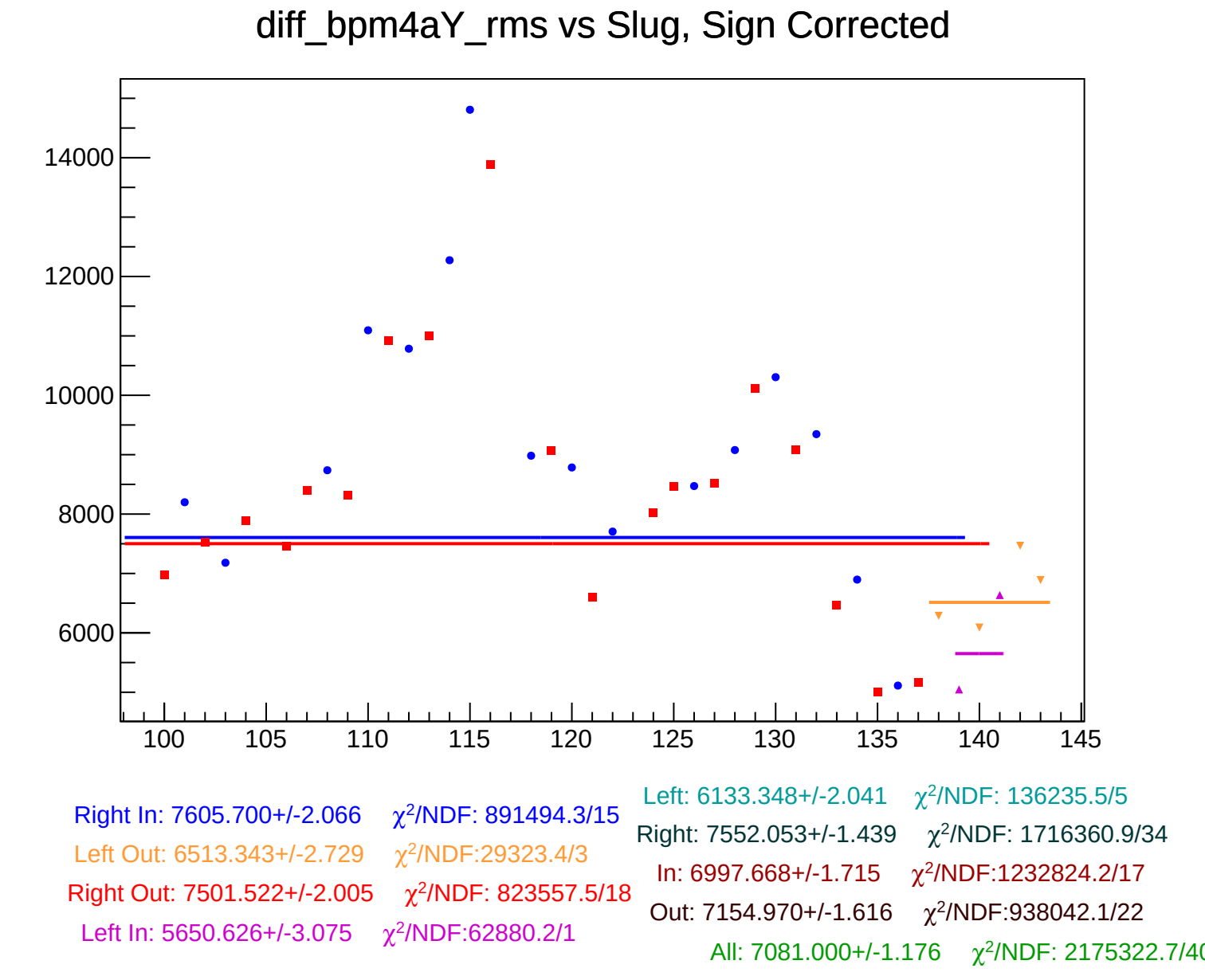
Left: -0.145+/-2.886 χ^2/NDF: 6.8/5

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

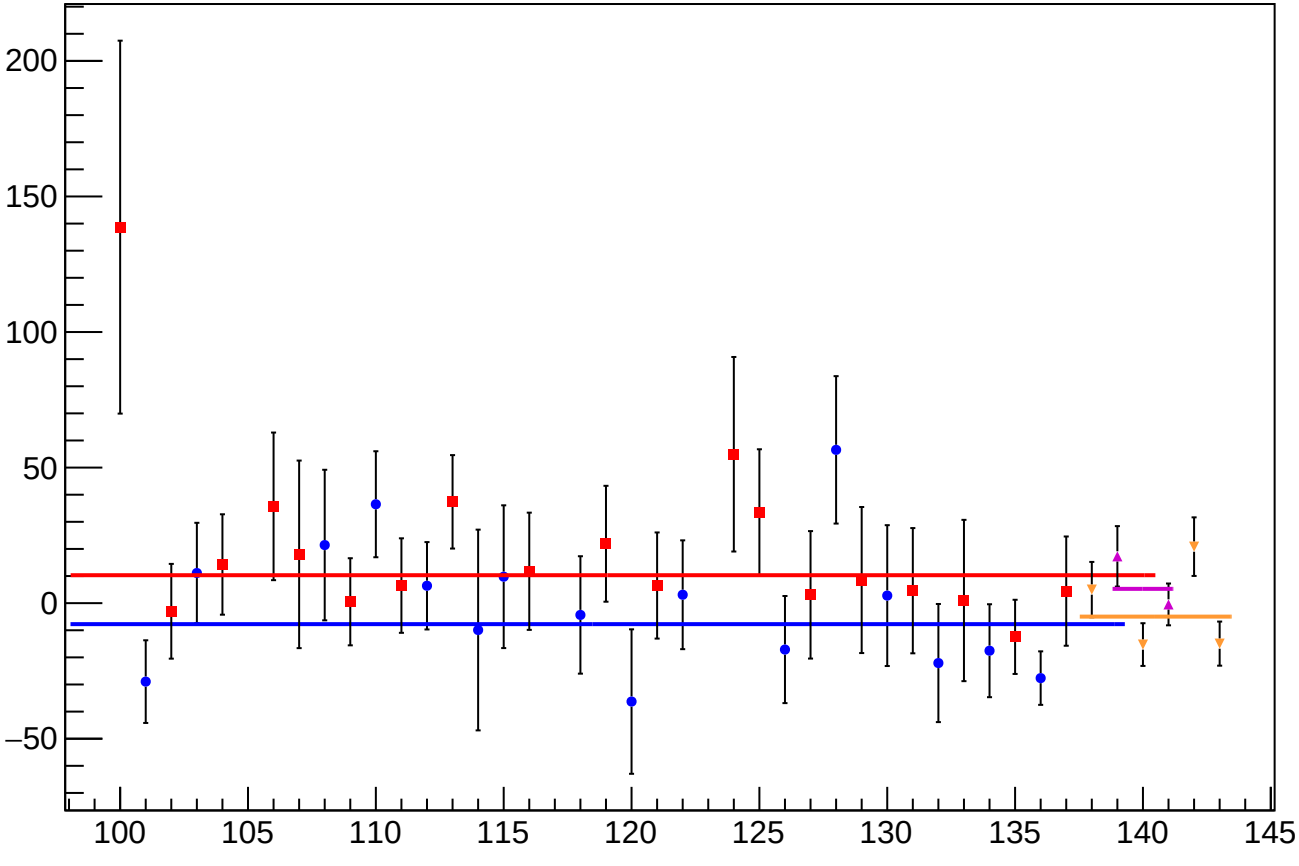
In: -3.007+/-2.425 χ^2/NDF:10.3/17

Out: -1.992+/-2.285 χ^2/NDF:24.6/22

All: -2.469+/-1.663 χ^2/NDF: 35.0/40


diff_bpm4aY_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
105
110
115
120
125
130
135
140
145
Right In: 7605.700+/-2.066 χ²/NDF: 891494.3/15
Left Out: 6513.343+/-2.729 χ²/NDF:29323.4/3
Right Out: 7501.522+/-2.005 χ²/NDF: 823557.5/18
Left In: 5650.626+/-3.075 χ²/NDF:62880.2/1
Left: 6133.348+/-2.041 χ²/NDF: 136235.5/5
Right: 7552.053+/-1.439 χ²/NDF: 1716360.9/34
In: 6997.668+/-1.715 χ²/NDF:1232824.2/17
Out: 7154.970+/-1.616 χ²/NDF:938042.1/22
All: 7081.000+/-1.176 χ²/NDF: 2175322.7/40

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -4.965+/-4.499 χ^2/NDF:9.9/3

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 5.271+/-6.340 χ^2/NDF:1.7/1

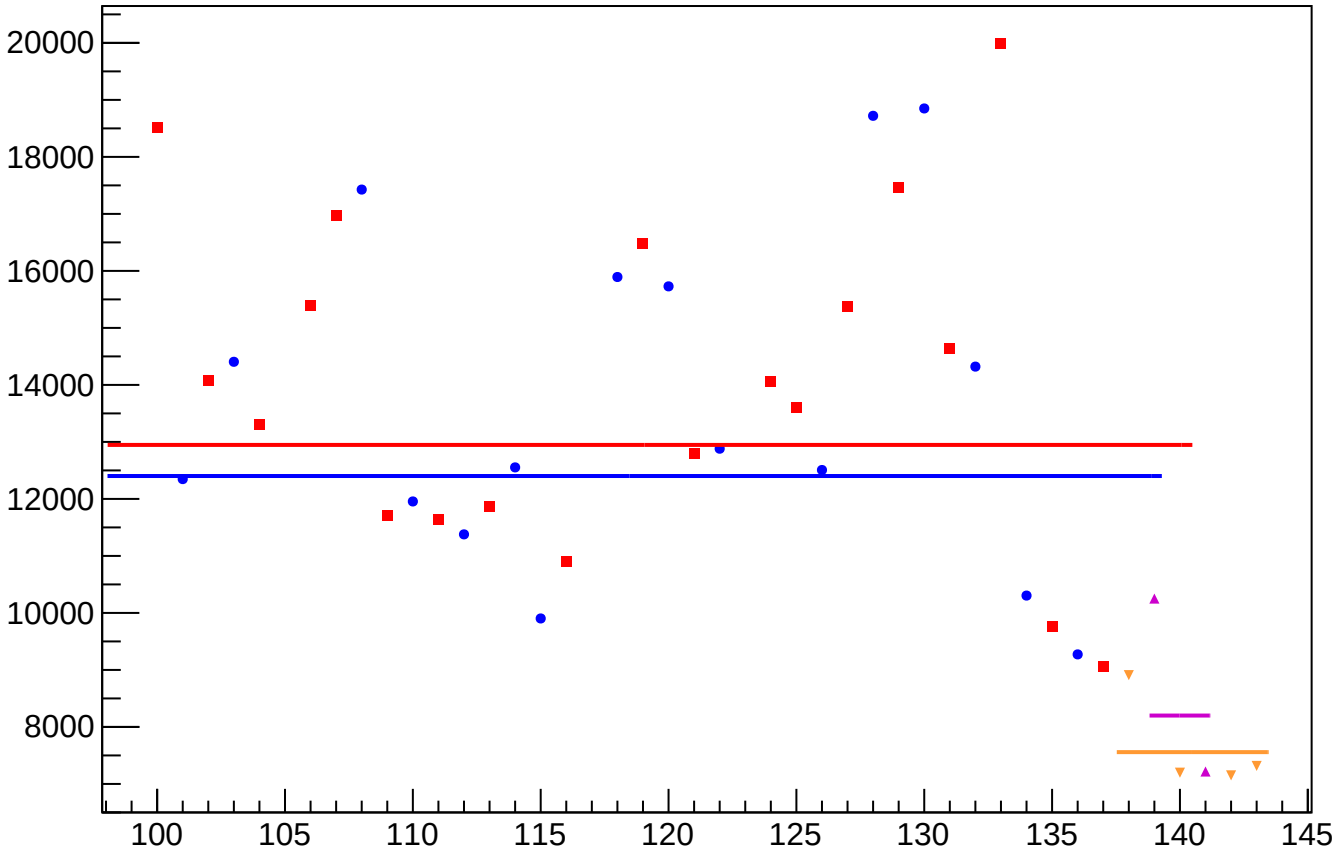
Left: -1.537+/-3.669 χ^2/NDF: 13.3/5

Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -3.066+/-3.801 χ^2/NDF:27.1/17

Out: 2.115+/-3.295 χ^2/NDF:29.1/22

All: -0.108+/-2.490 χ^2/NDF: 57.3/40



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7558.095+/-3.181 χ^2/NDF:43838.4/3

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: 7772.954+/-2.595 χ^2/NDF: 157671.4/5

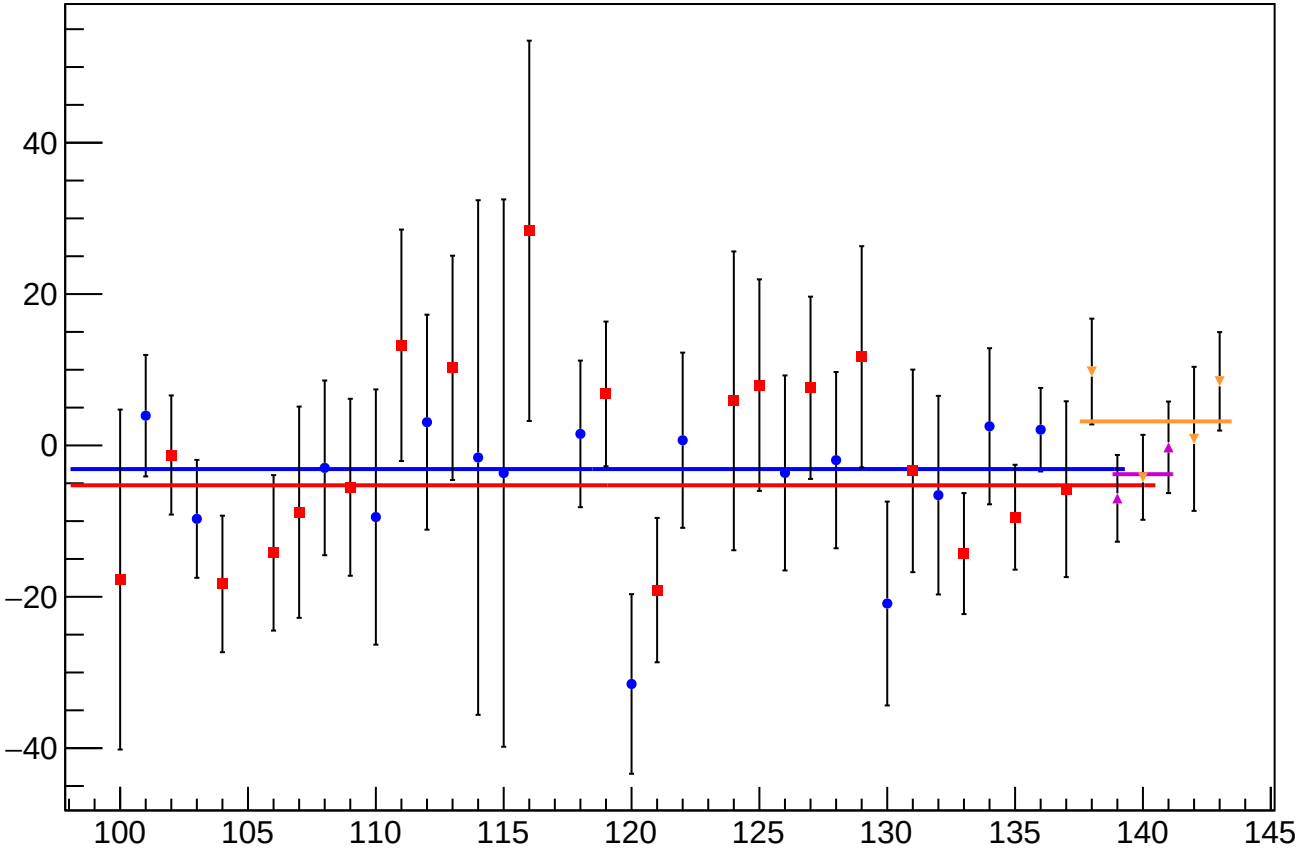
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10891.911+/-2.687 χ^2/NDF:1341361.1/17

Out: 10056.400+/-2.330 χ^2/NDF:1929301.5/22

All: 10414.949+/-1.760 χ^2/NDF: 3325840.7/4

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.175+/-3.393 χ^2/NDF:3.3/3

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -3.800+/-4.161 χ^2/NDF:0.7/1

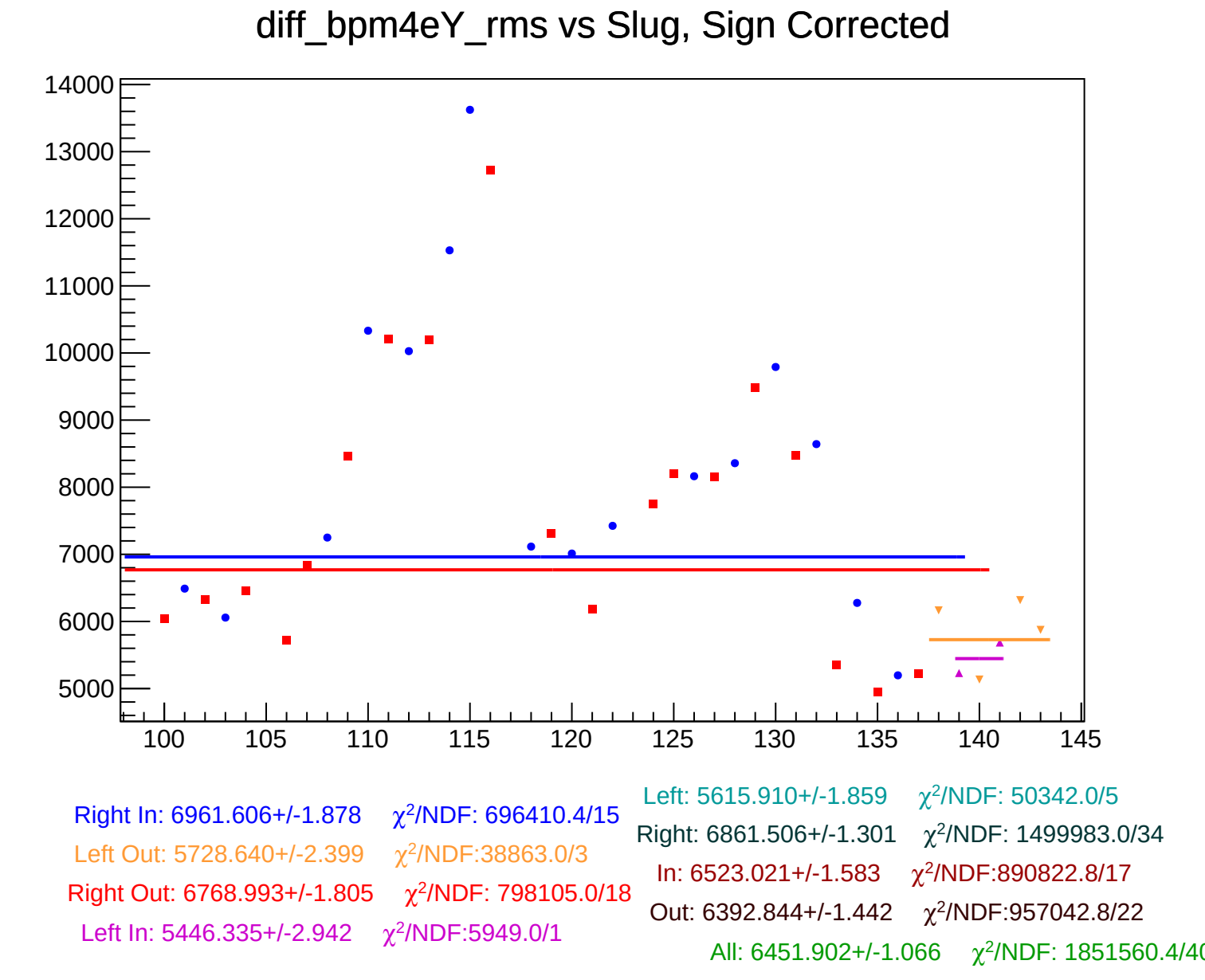
Left: 0.390+/-2.629 χ^2/NDF: 5.7/5

Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

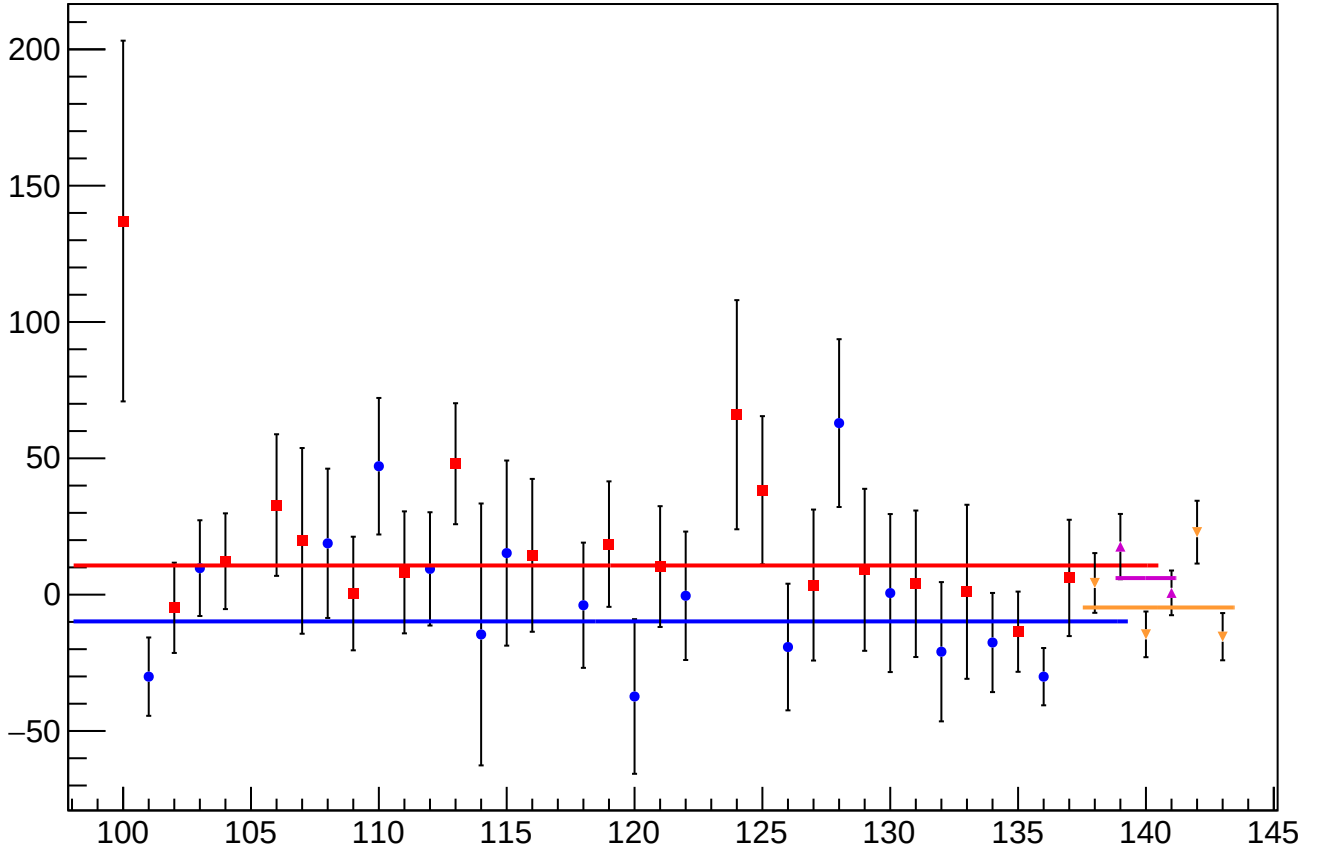
In: -3.319+/-2.239 χ^2/NDF:11.6/17

Out: -2.213+/-2.040 χ^2/NDF:24.2/22

All: -2.715+/-1.508 χ^2/NDF: 35.9/40


diff_bpm4eY_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
105
110
115
120
125
130
135
140
145
Right In: 6961.606+/-1.878 χ²/NDF: 696410.4/15
Left Out: 5728.640+/-2.399 χ²/NDF:38863.0/3
Right Out: 6768.993+/-1.805 χ²/NDF: 798105.0/18
Left In: 5446.335+/-2.942 χ²/NDF:5949.0/1
Left: 5615.910+/-1.859 χ²/NDF: 50342.0/5
Right: 6861.506+/-1.301 χ²/NDF: 1499983.0/34
In: 6523.021+/-1.583 χ²/NDF:890822.8/17
Out: 6392.844+/-1.442 χ²/NDF:957042.8/22
All: 6451.902+/-1.066 χ²/NDF: 1851560.4/40

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -4.706+/-4.797 χ^2/NDF:9.3/3

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: -1.096+/-3.913 χ^2/NDF: 12.4/5

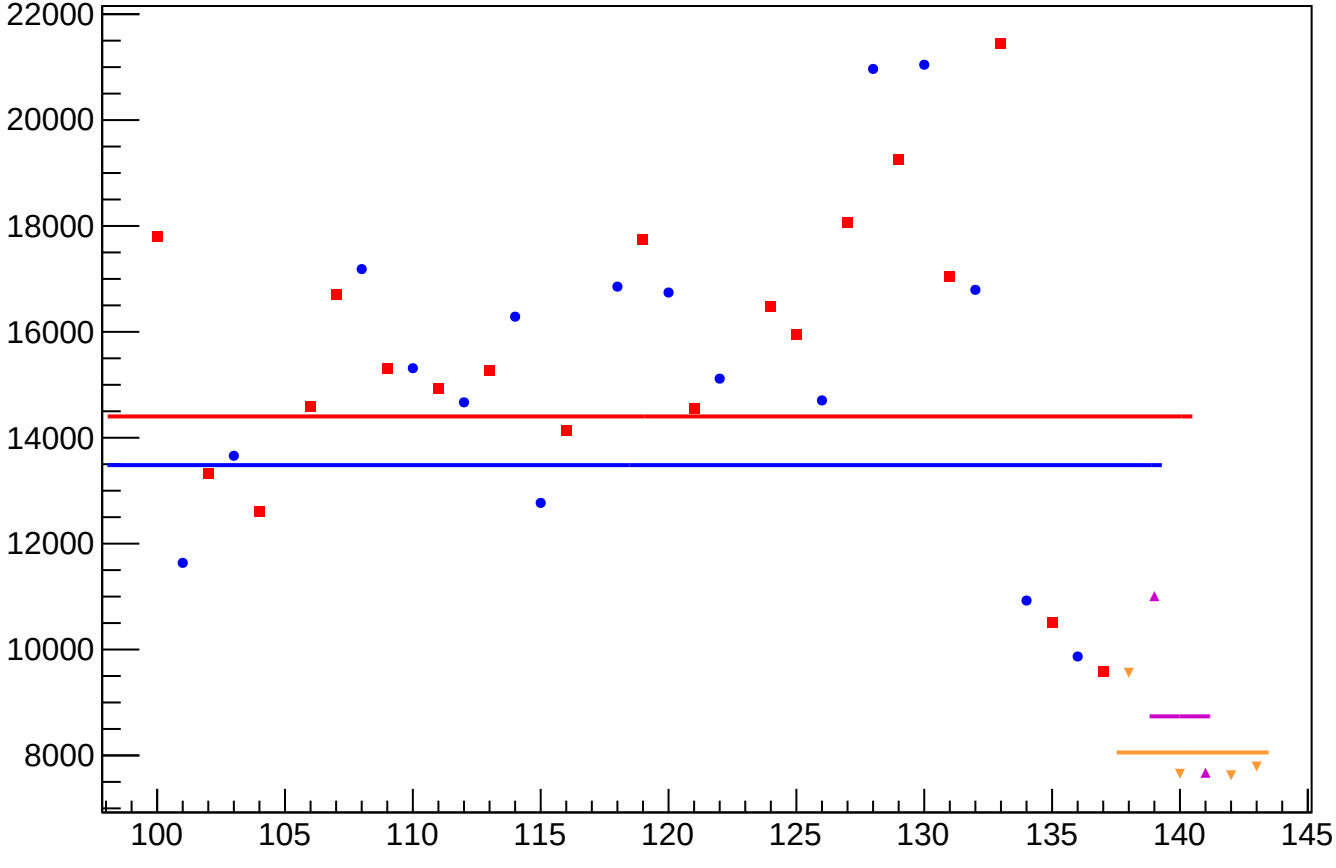
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -3.938+/-4.111 χ^2/NDF:26.9/17

Out: 2.118+/-3.581 χ^2/NDF:28.2/22

All: -0.494+/-2.700 χ^2/NDF: 56.3/40

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8055.816+/-3.392 χ^2/NDF:47079.3/3

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: 8284.197+/-2.767 χ^2/NDF: 166323.0/5

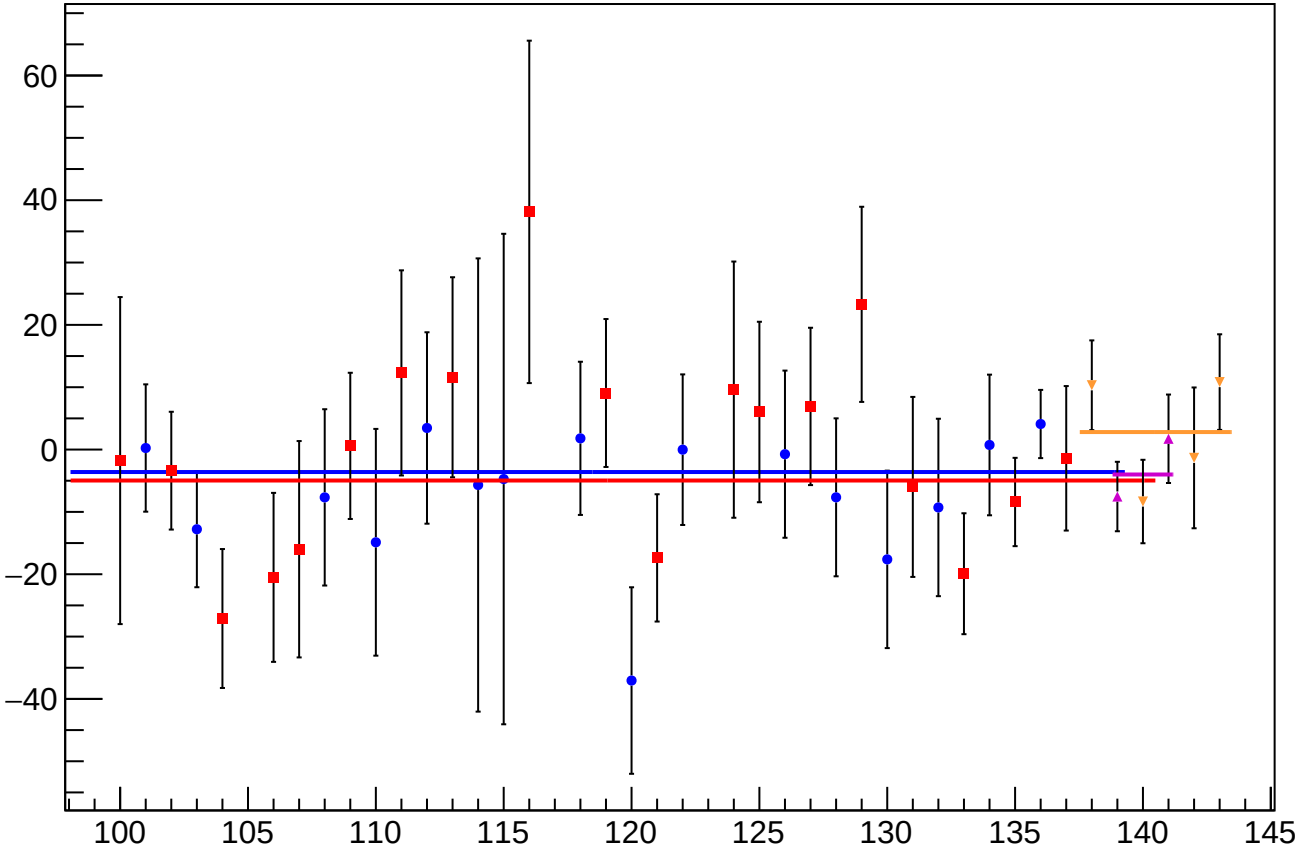
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 11729.059+/-2.907 χ^2/NDF:1470142.6/17

Out: 10866.596+/-2.532 χ^2/NDF:2149934.8/22

All: 11238.624+/-1.909 χ^2/NDF: 3670128.9/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.807+/-3.879 χ^2/NDF:5.1/3

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: -0.184+/-2.904 χ^2/NDF: 7.5/5

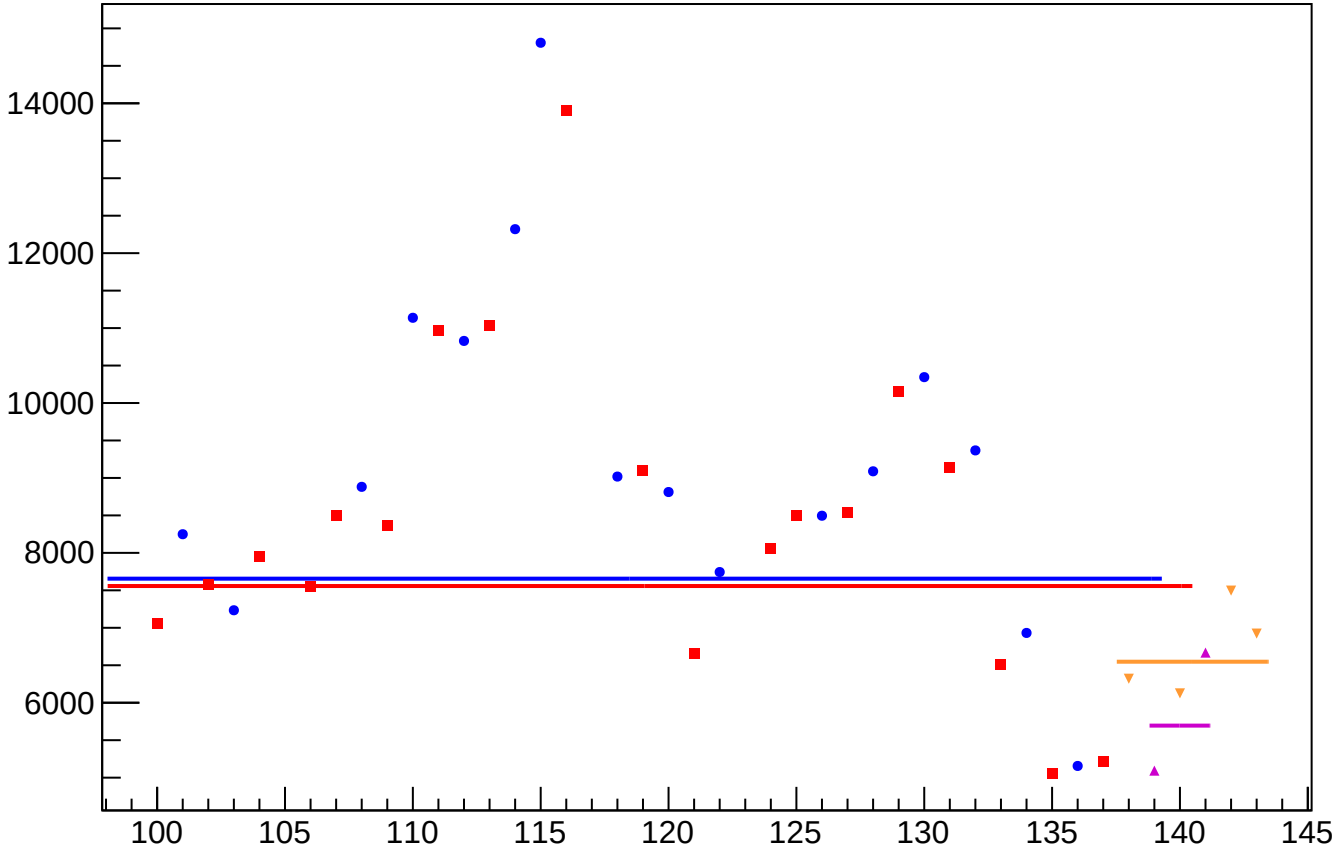
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -3.728+/-2.441 χ^2/NDF:11.5/17

Out: -2.233+/-2.299 χ^2/NDF:29.1/22

All: -2.936+/-1.674 χ^2/NDF: 40.8/40

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6547.377+/-2.743 χ^2/NDF:28875.3/3

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: 6172.669+/-2.053 χ^2/NDF: 132368.3/5

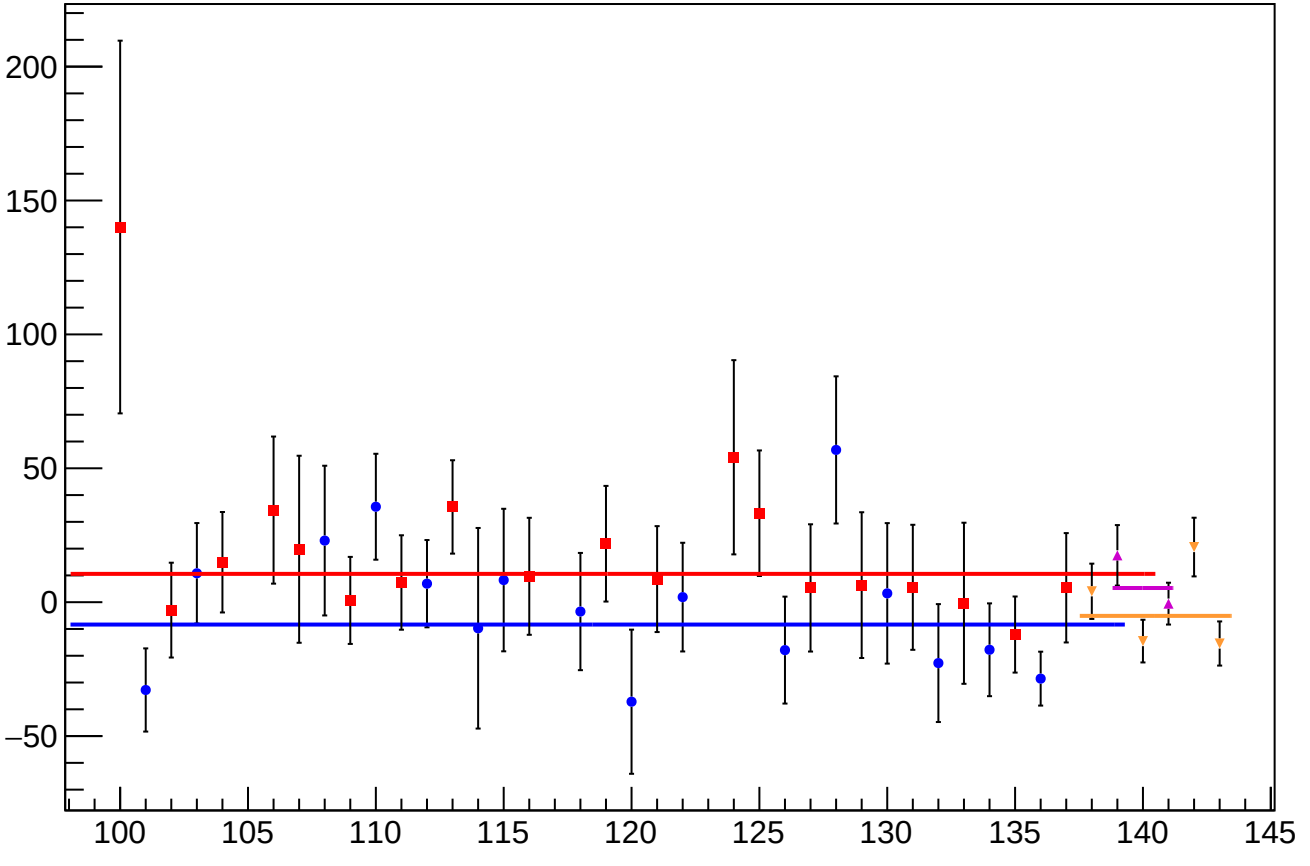
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7046.894+/-1.726 χ^2/NDF:1217141.1/17

Out: 7202.444+/-1.626 χ^2/NDF:926709.5/22

All: 7129.317+/-1.184 χ^2/NDF: 2148153.1/40

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -5.111+/-4.556 χ^2/NDF:9.3/3

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: -1.628+/-3.716 χ^2/NDF: 12.7/5

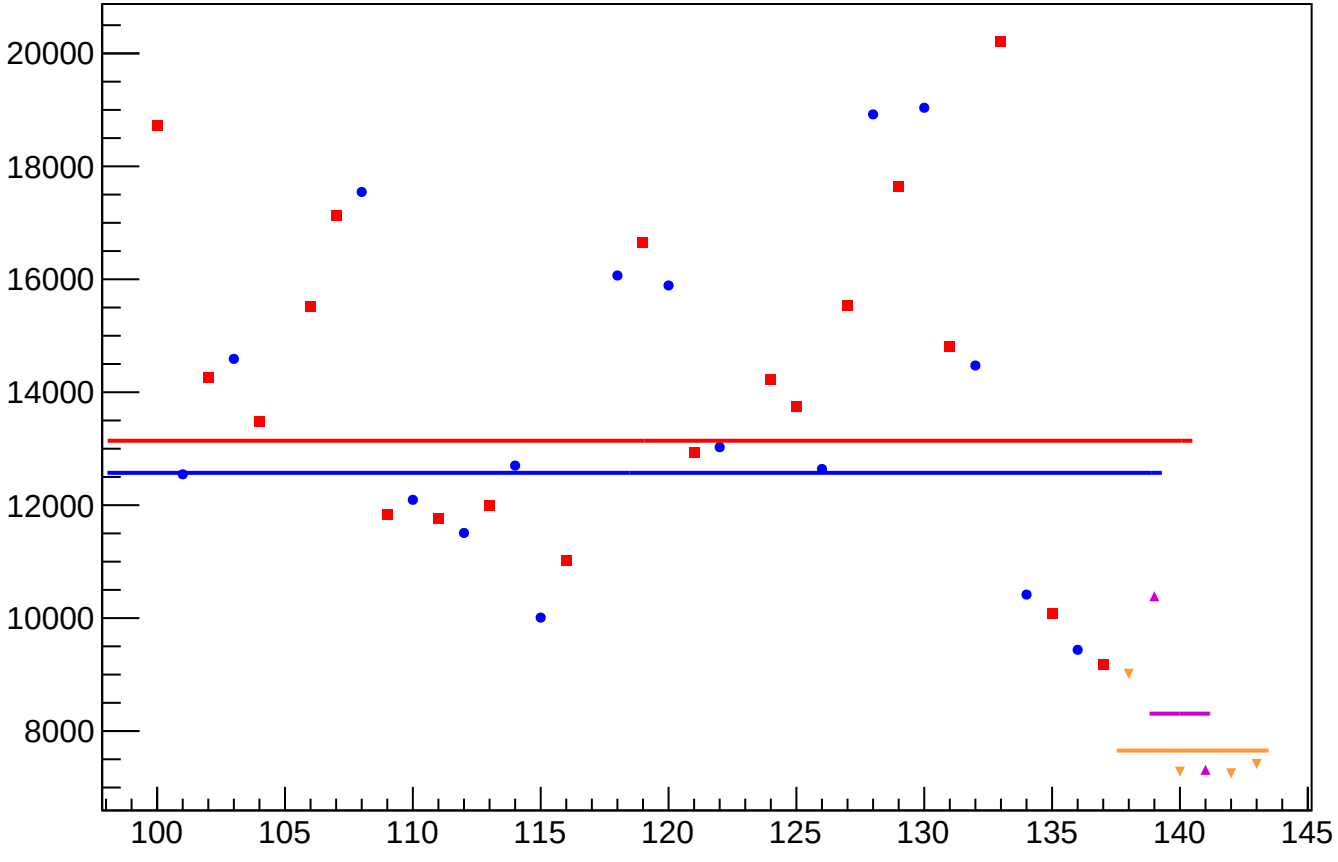
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -3.444+/-3.852 χ^2/NDF:27.9/17

Out: 2.144+/-3.340 χ^2/NDF:27.6/22

All: -0.254+/-2.524 χ^2/NDF: 56.7/40

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7653.977+/-3.222 χ^2/NDF:43433.4/3

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: 7872.930+/-2.628 χ^2/NDF: 157402.5/5

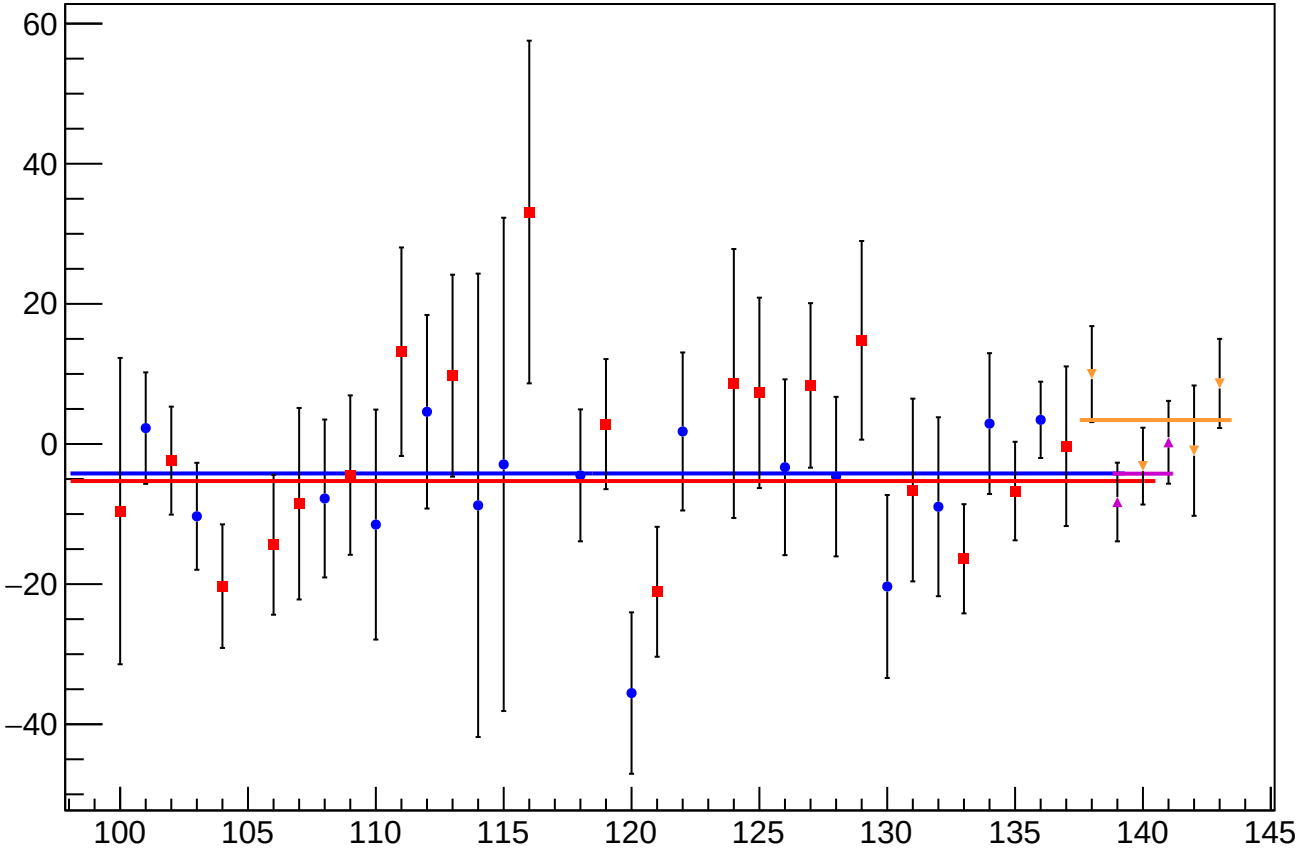
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 11039.231+/-2.724 χ^2/NDF:1329558.2/17

Out: 10192.287+/-2.362 χ^2/NDF:1920086.7/22

All: 10555.748+/-1.784 χ^2/NDF: 3304831.3/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.415+/-3.318 χ^2/NDF:3.2/3

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: 0.361+/-2.572 χ^2/NDF: 6.5/5

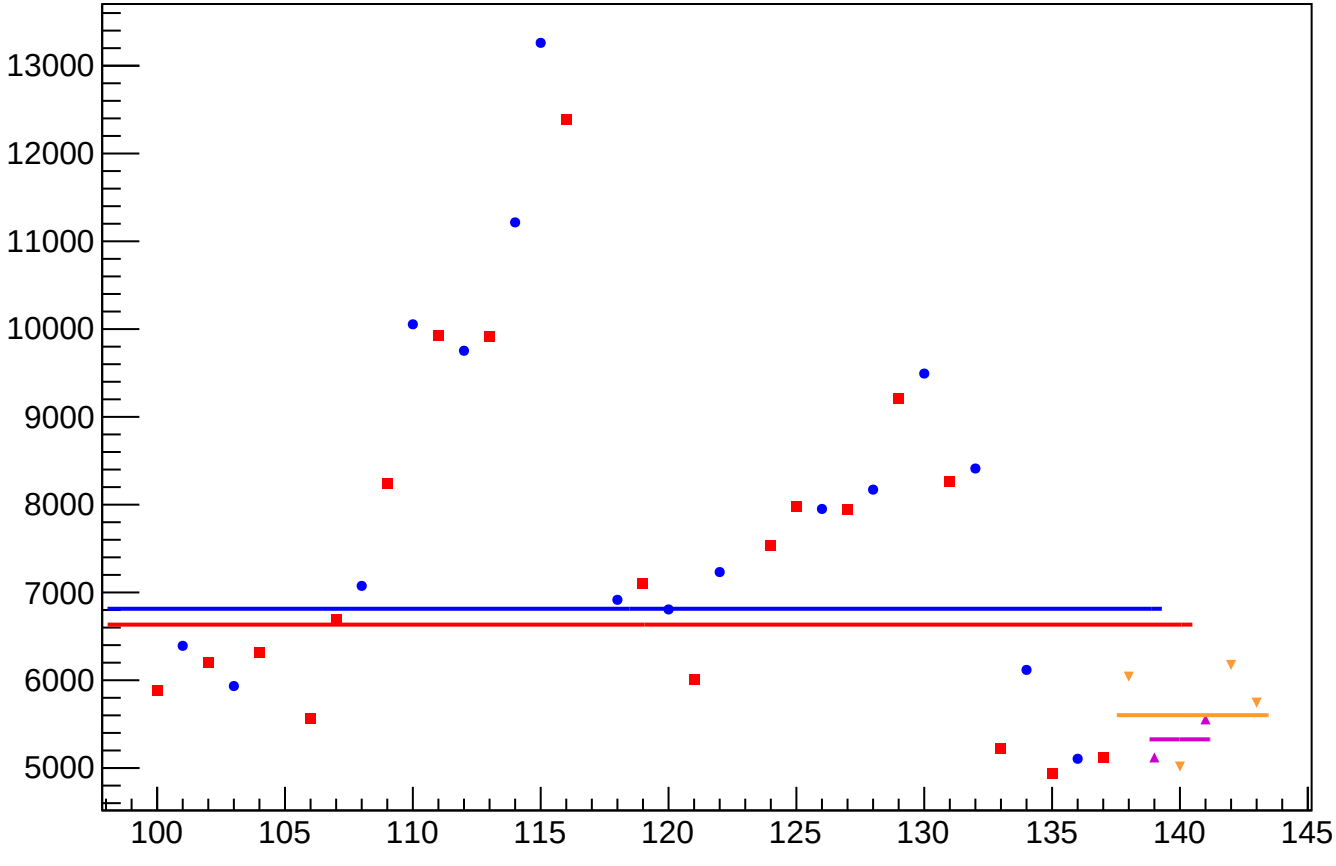
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.213+/-2.191 χ^2/NDF:15.0/17

Out: -2.133+/-1.998 χ^2/NDF:27.4/22

All: -3.077+/-1.476 χ^2/NDF: 42.8/40

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5602.235+/-2.346 χ^2/NDF:39543.4/3

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: 5492.298+/-1.818 χ^2/NDF: 50707.5/5

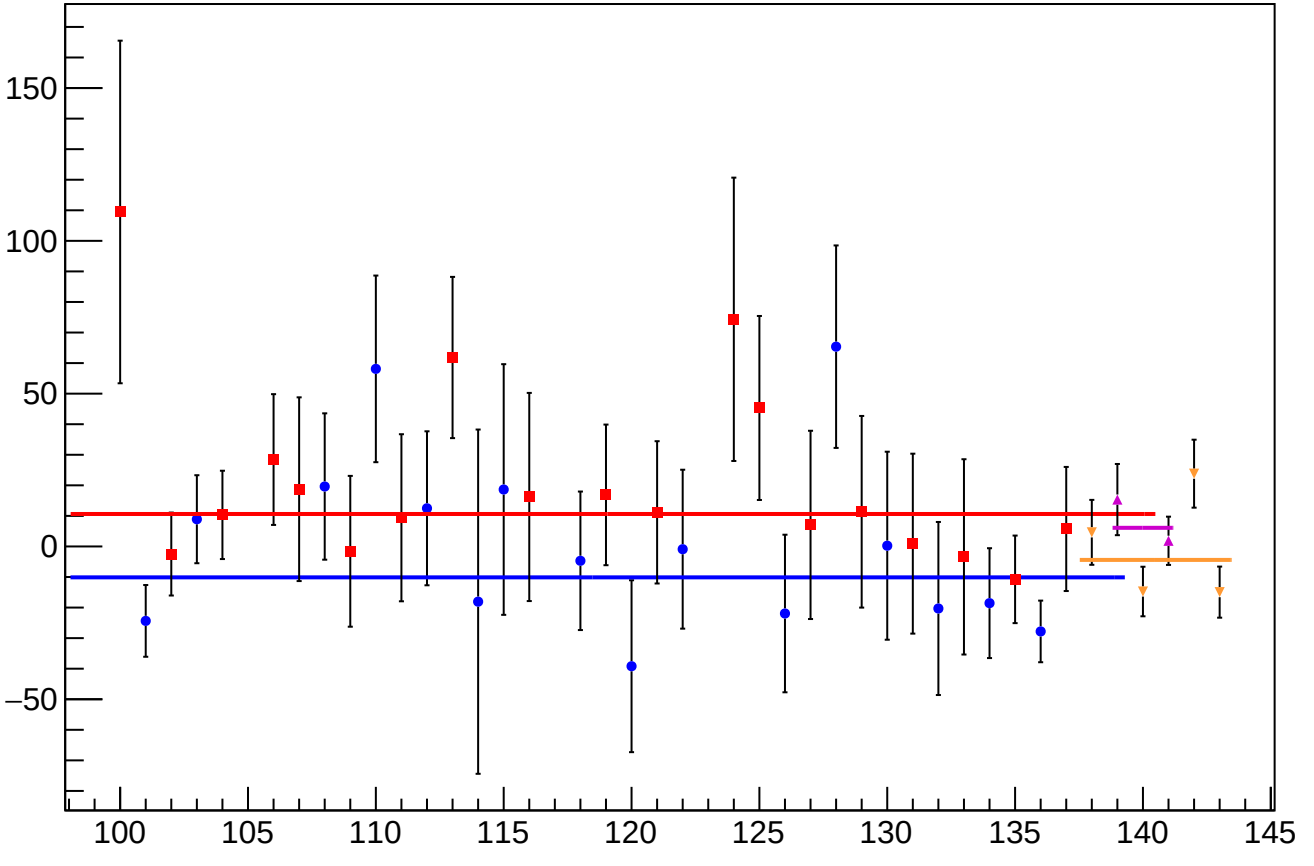
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6383.090+/-1.549 χ^2/NDF:869455.8/17

Out: 6259.776+/-1.413 χ^2/NDF:926111.1/22

All: 6315.747+/-1.044 χ^2/NDF: 1799025.8/40

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -4.405+/-4.639 χ^2/NDF:10.4/3

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 6.097+/-6.536 χ^2/NDF:0.9/1

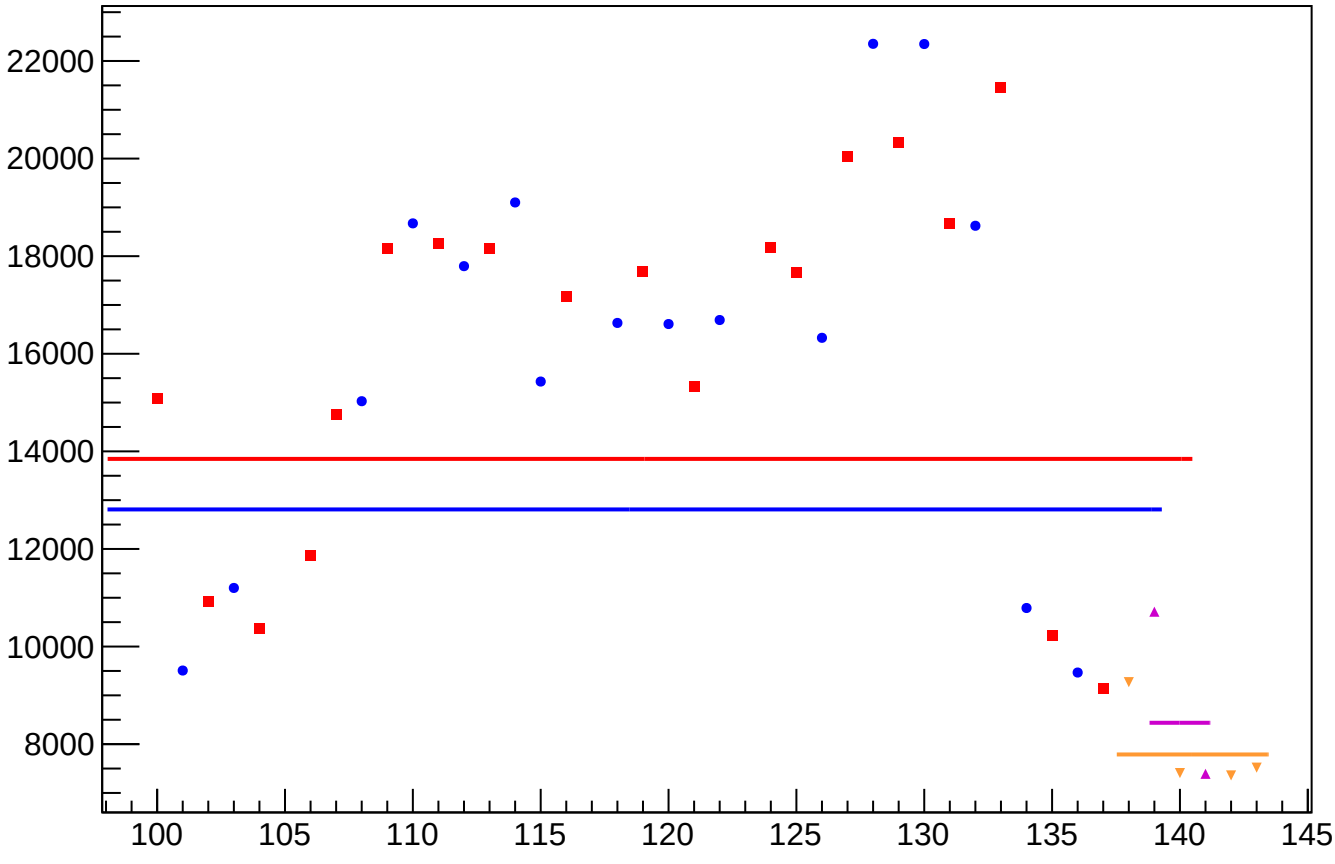
Left: -0.886+/-3.783 χ^2/NDF: 13.0/5

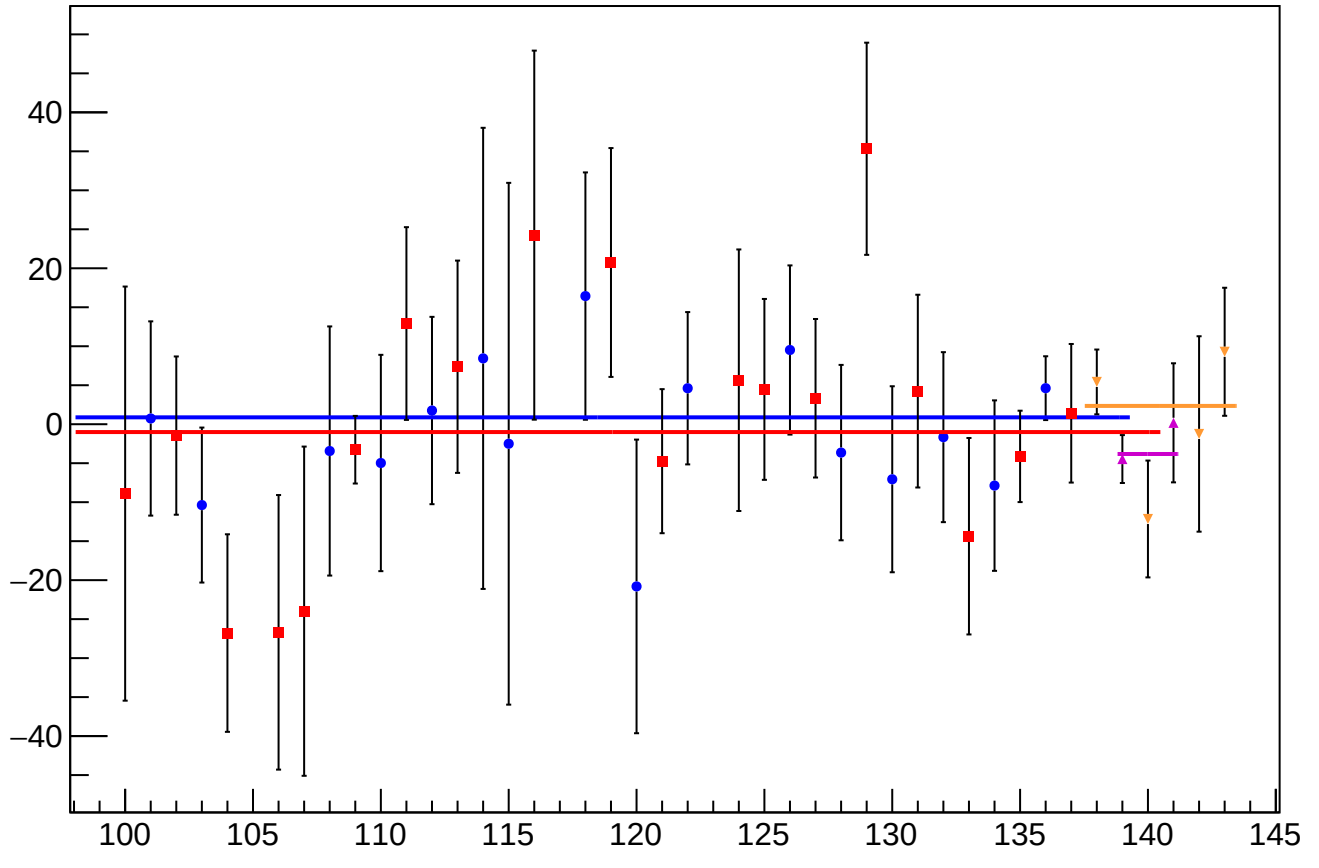
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -4.102+/-3.980 χ^2/NDF:26.1/17

Out: 2.147+/-3.484 χ^2/NDF:29.7/22

All: -0.564+/-2.621 χ^2/NDF: 57.1/40


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
105
110
115
120
125
130
135
140
145
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 7788.554+/-3.280 χ²/NDF:48416.1/3
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8437.795+/-4.621 χ²/NDF:111459.2/1
Left: 8006.068+/-2.675 χ²/NDF: 172999.4/5
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 11188.758+/-2.814 χ²/NDF:1922878.9/17
Out: 10429.174+/-2.464 χ²/NDF:2631408.0/22
All: 10758.737+/-1.854 χ²/NDF: 4595532.7/4



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.347+/-3.212 χ^2/NDF:5.1/3

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: -1.102+/-2.132 χ^2/NDF: 7.5/5

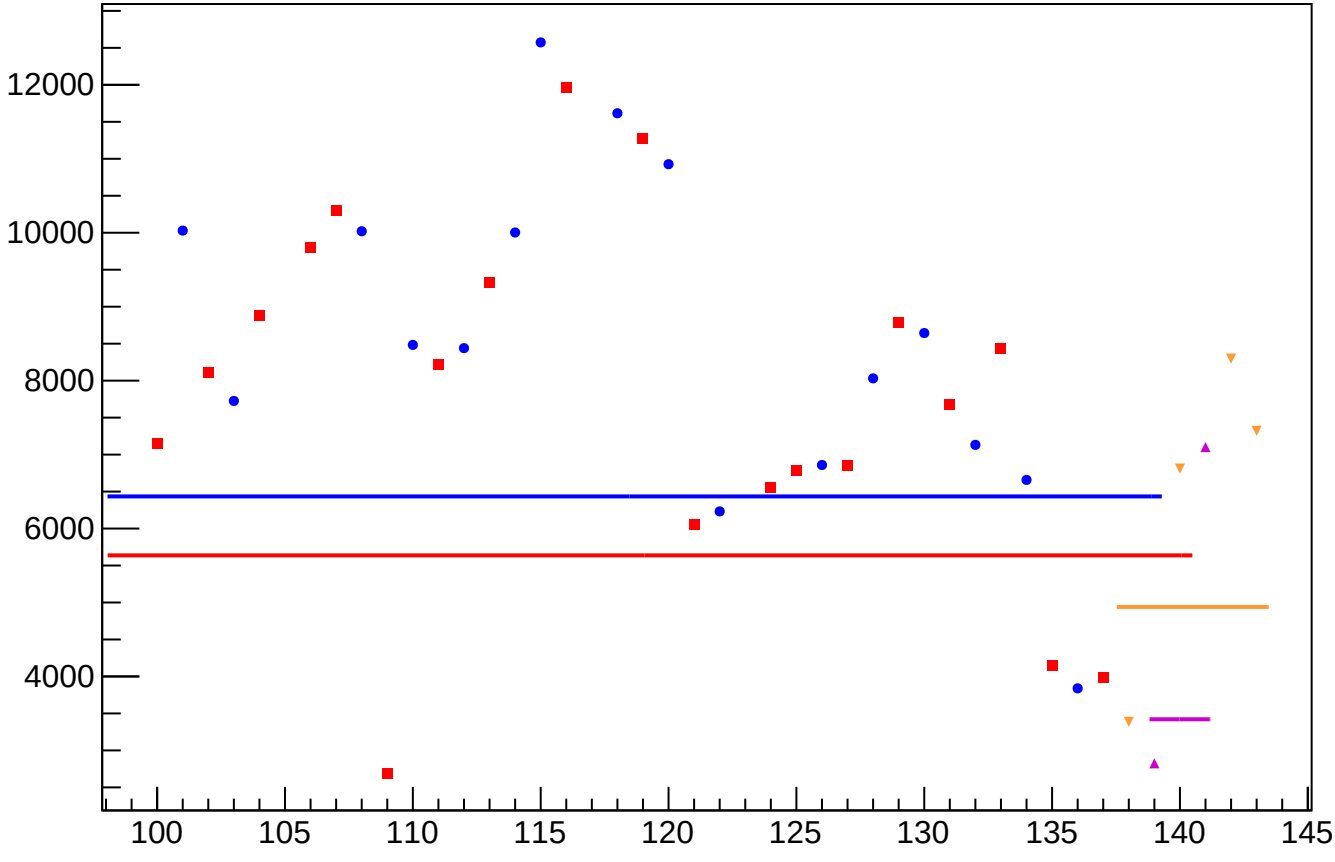
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.223+/-1.907 χ^2/NDF:8.6/17

Out: 0.140+/-1.877 χ^2/NDF:28.1/22

All: -0.531+/-1.338 χ^2/NDF: 37.0/40

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4940.215+/-2.271 χ^2/NDF:716340.4/3

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: 4090.470+/-1.507 χ^2/NDF: 1506383.1/5

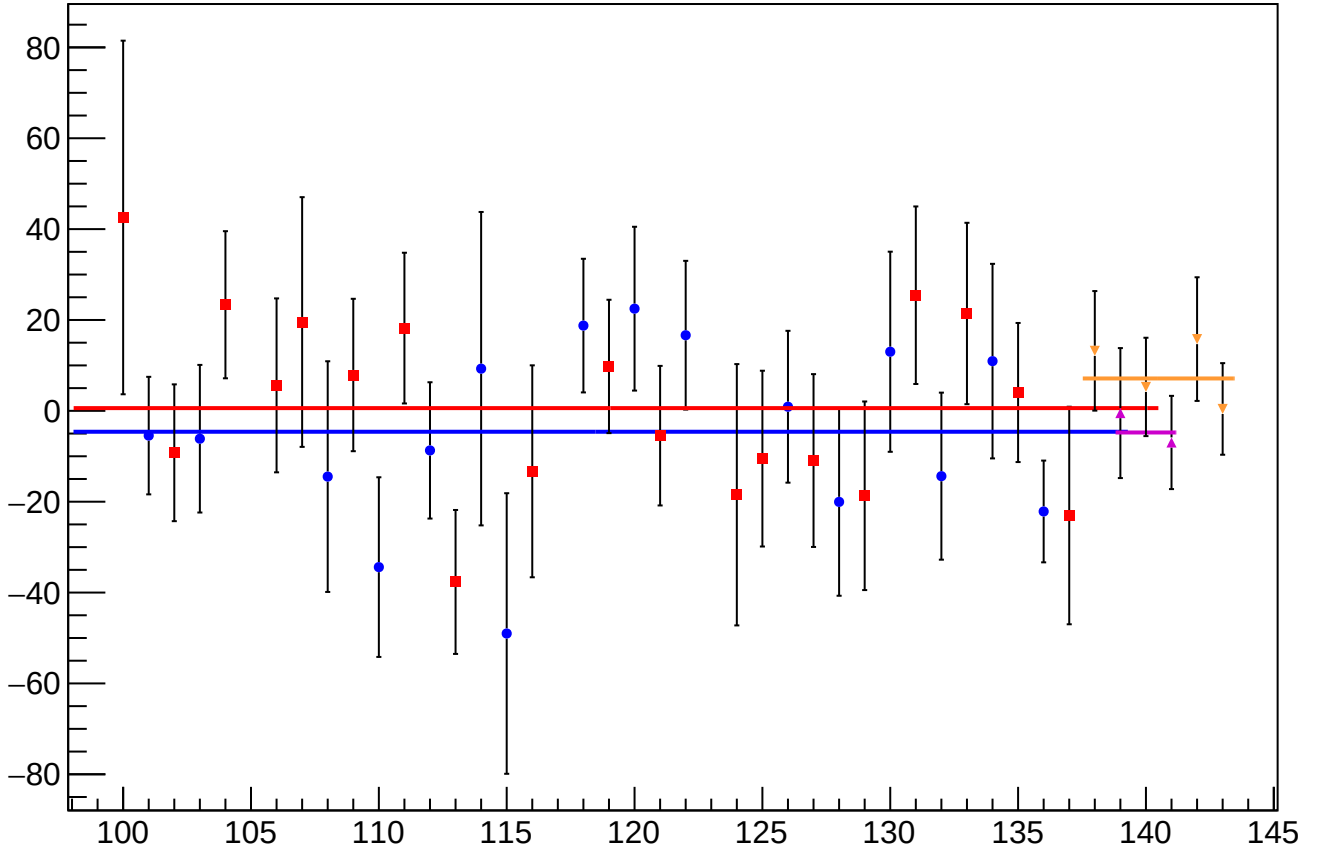
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5085.627+/-1.349 χ^2/NDF:3525018.8/17

Out: 5399.142+/-1.328 χ^2/NDF:3358384.3/22

All: 5244.846+/-0.946 χ^2/NDF: 6910852.2/40

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.127+/-5.817 χ^2/NDF:1.1/3

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: 3.234+/-4.771 χ^2/NDF: 2.6/5

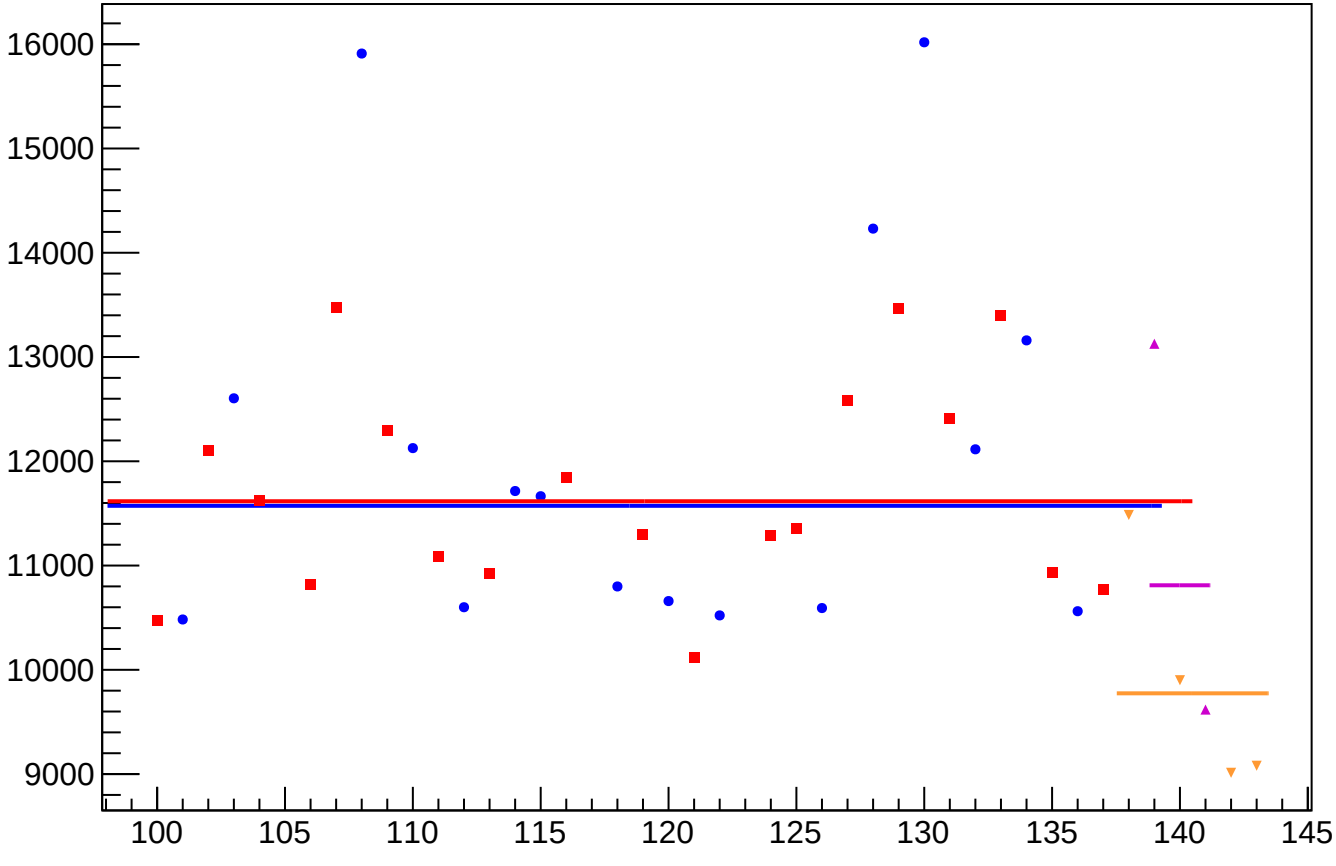
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -4.637+/-3.860 χ^2/NDF:15.9/17

Out: 2.883+/-3.440 χ^2/NDF:19.8/22

All: -0.446+/-2.568 χ^2/NDF: 37.8/40

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9774.471+/-4.113 χ^2/NDF:49834.8/3

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: 10113.692+/-3.374 χ^2/NDF: 150025.8/5

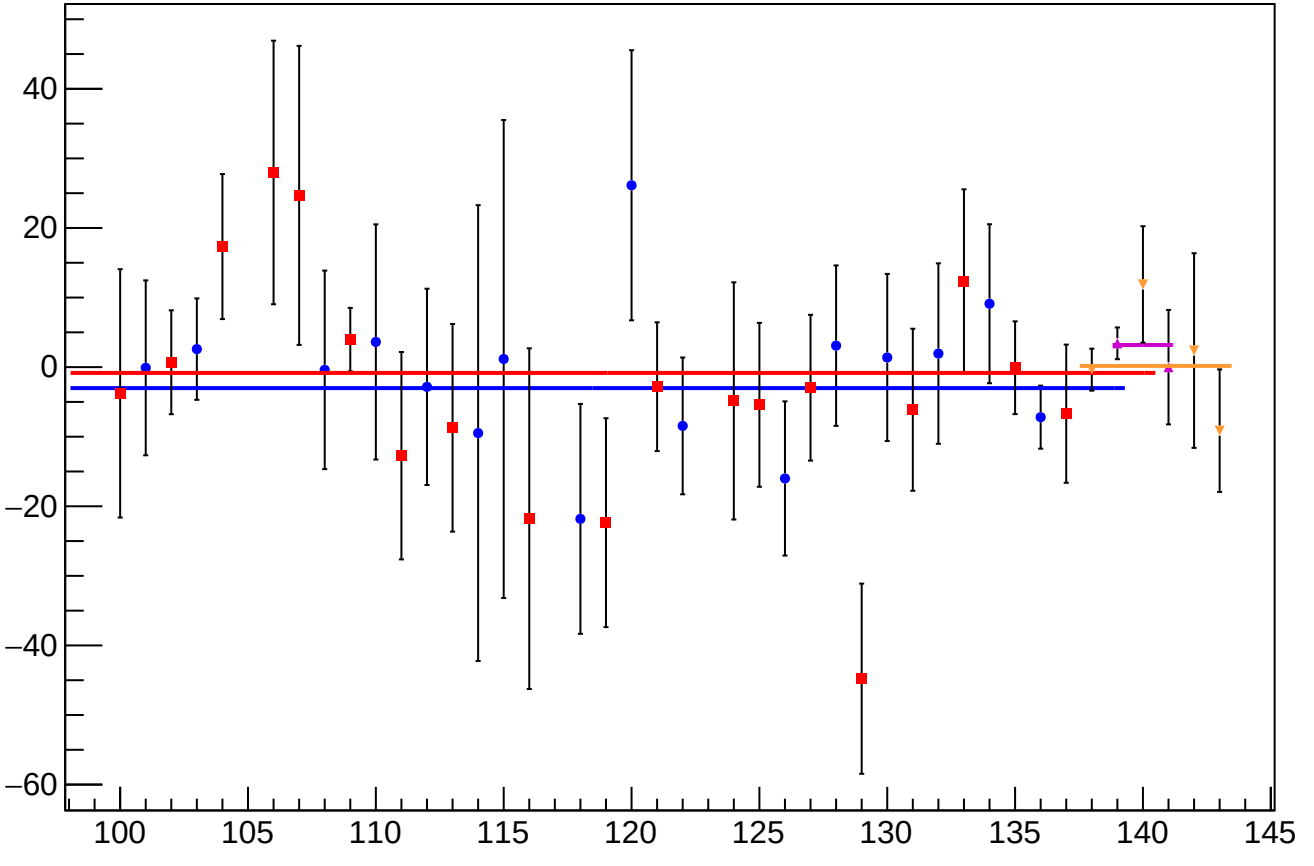
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11409.717+/-2.729 χ^2/NDF:352617.7/17

Out: 10972.407+/-2.433 χ^2/NDF:273431.3/22

All: 11166.006+/-1.816 χ^2/NDF: 640354.7/40

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.173+/-2.653 χ^2/NDF:3.1/3

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.178+/-2.197 χ^2/NDF:0.2/1

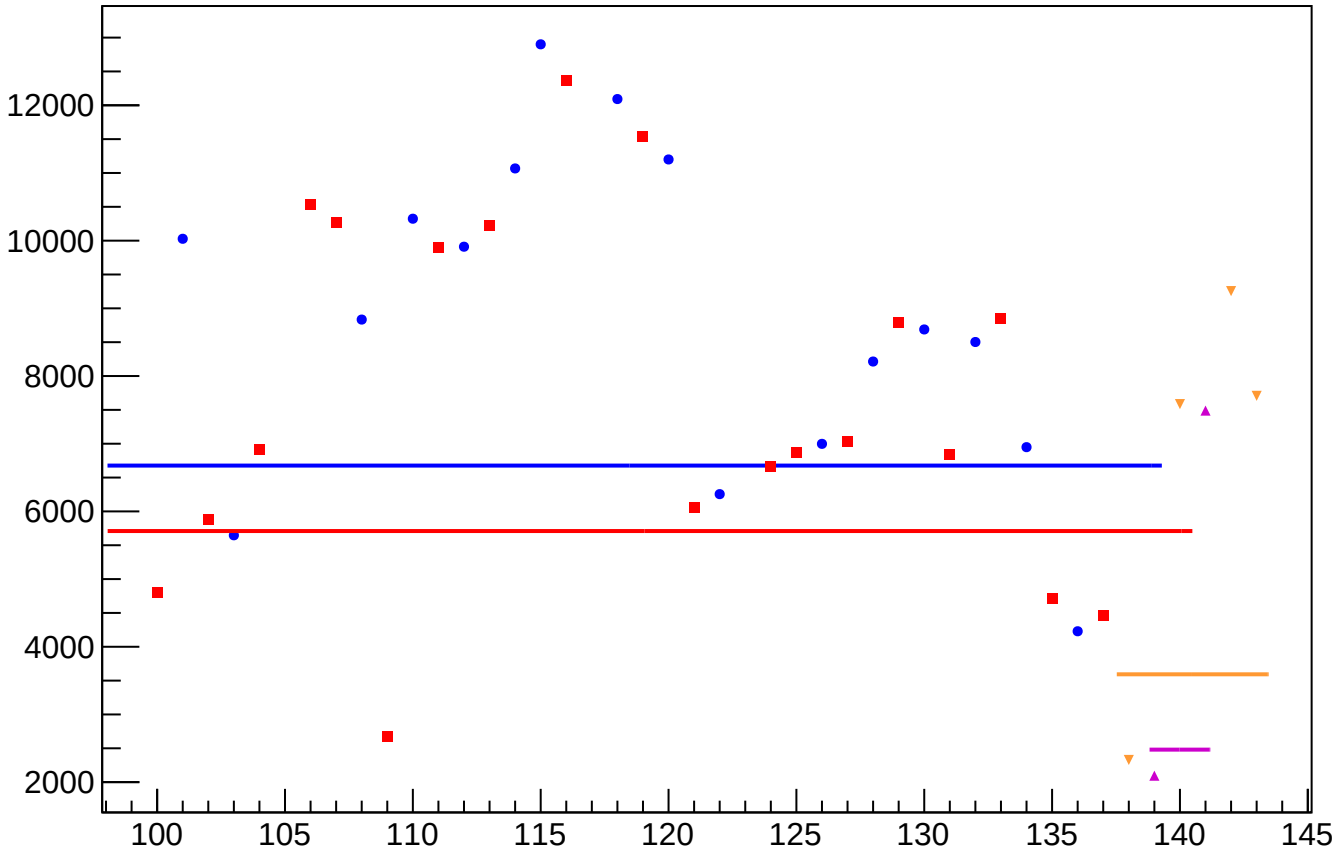
Left: 1.955+/-1.692 χ^2/NDF: 4.1/5

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.660+/-1.692 χ^2/NDF:12.0/17

Out: -0.389+/-1.760 χ^2/NDF:27.0/22

All: 0.156+/-1.220 χ^2/NDF: 39.3/40



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3593.130+/-1.876 χ^2/NDF:1570792.7/3

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: 2933.123+/-1.197 χ^2/NDF: 2578455.6/5

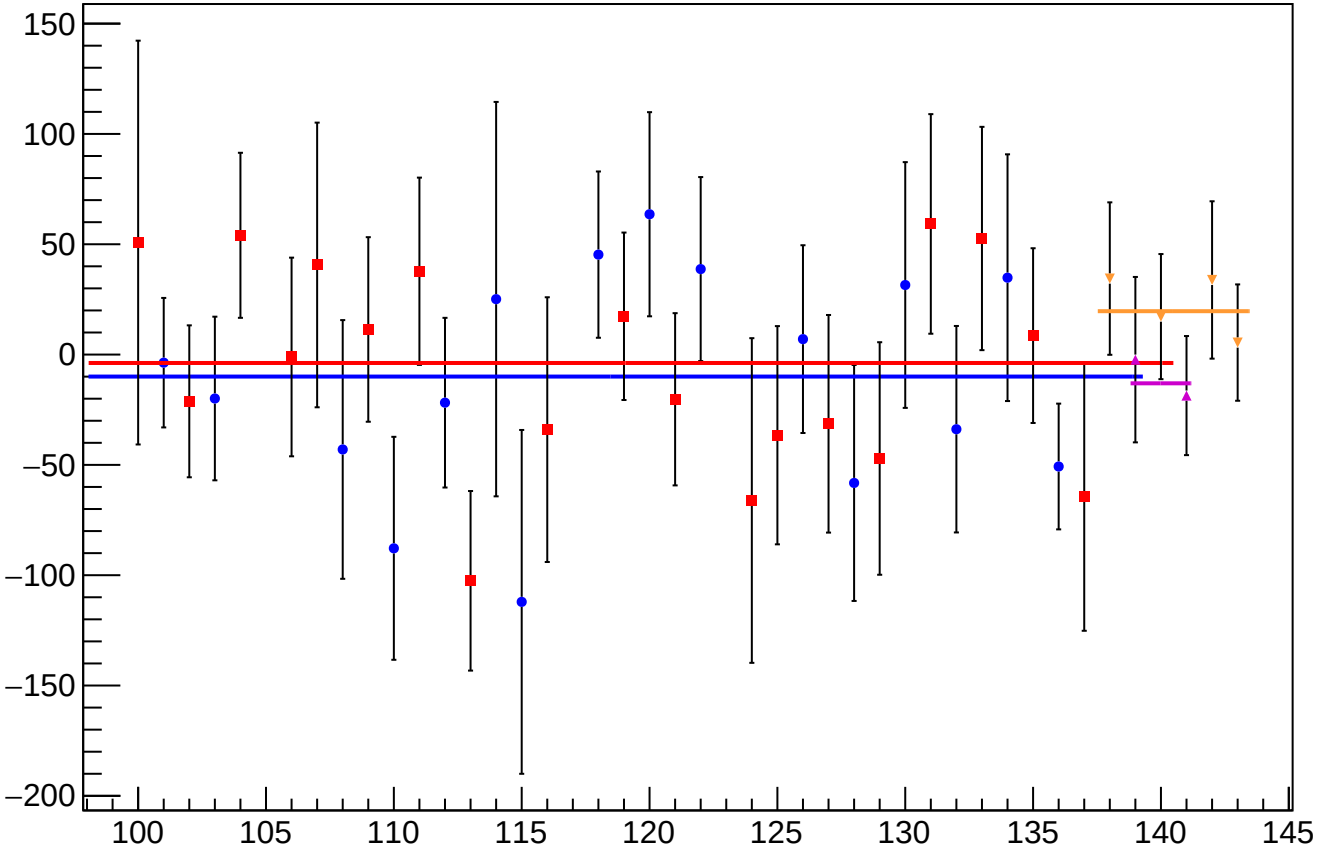
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4186.955+/-1.197 χ^2/NDF:5338866.0/17

Out: 4778.360+/-1.244 χ^2/NDF:4584884.3/22

All: 4471.143+/-0.863 χ^2/NDF: 10041100.7/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 19.659+/-15.238 χ^2/NDF:0.6/3

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -13.031+/-21.903 χ^2/NDF:0.1/1

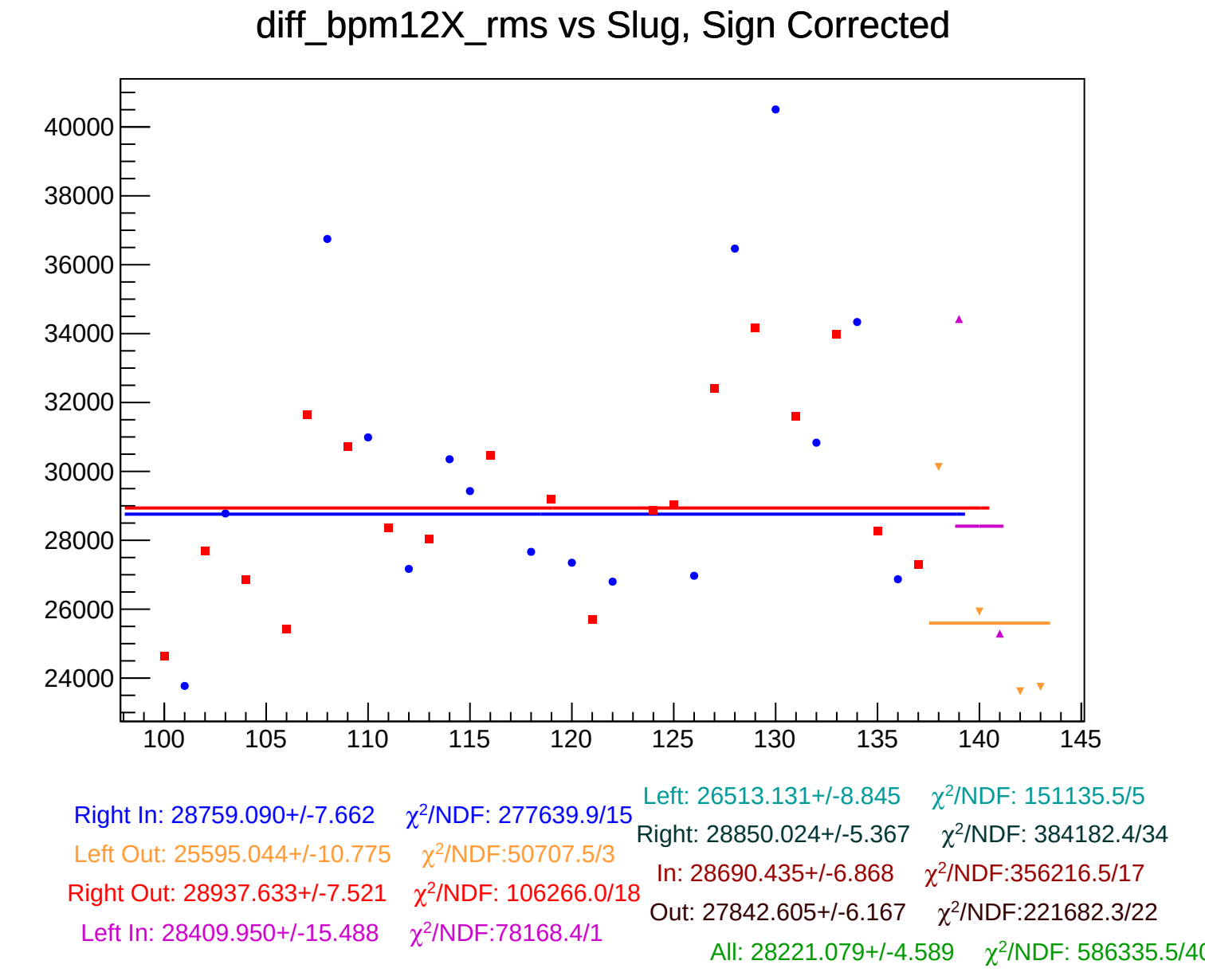
Left: 8.997+/-12.509 χ^2/NDF: 2.3/5

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

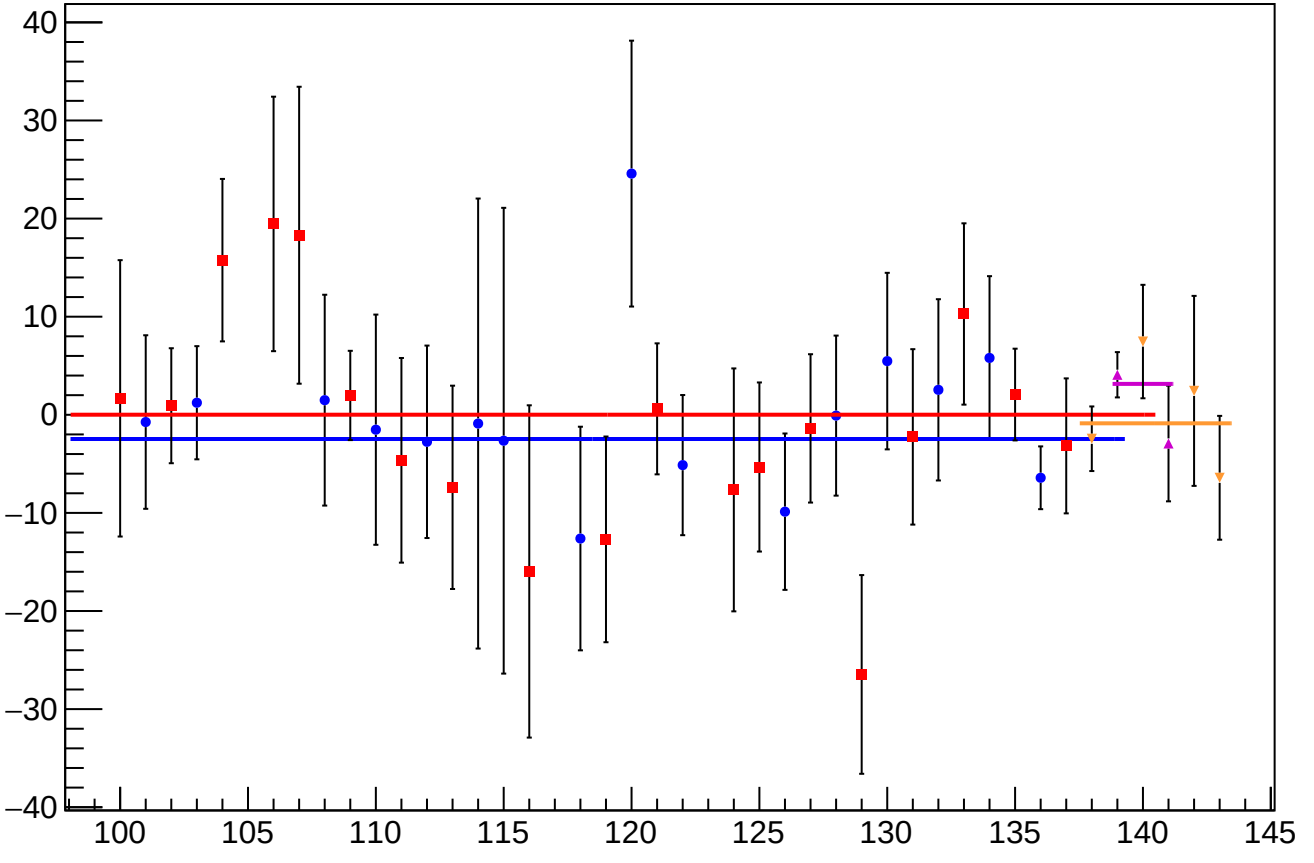
In: -10.571+/-9.713 χ^2/NDF:15.4/17

Out: 3.876+/-8.722 χ^2/NDF:19.5/22

All: -2.573+/-6.489 χ^2/NDF: 36.2/40


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
145
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 25595.044+/-10.775 χ²/NDF:50707.5/3
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 28409.950+/-15.488 χ²/NDF:78168.4/1
Left: 26513.131+/-8.845 χ²/NDF: 151135.5/5
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28690.435+/-6.868 χ²/NDF:356216.5/17
Out: 27842.605+/-6.167 χ²/NDF:221682.3/22
All: 28221.079+/-4.589 χ²/NDF: 586335.5/40

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.869+/-2.516 χ^2/NDF:3.2/3

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: 1.454+/-1.635 χ^2/NDF: 5.9/5

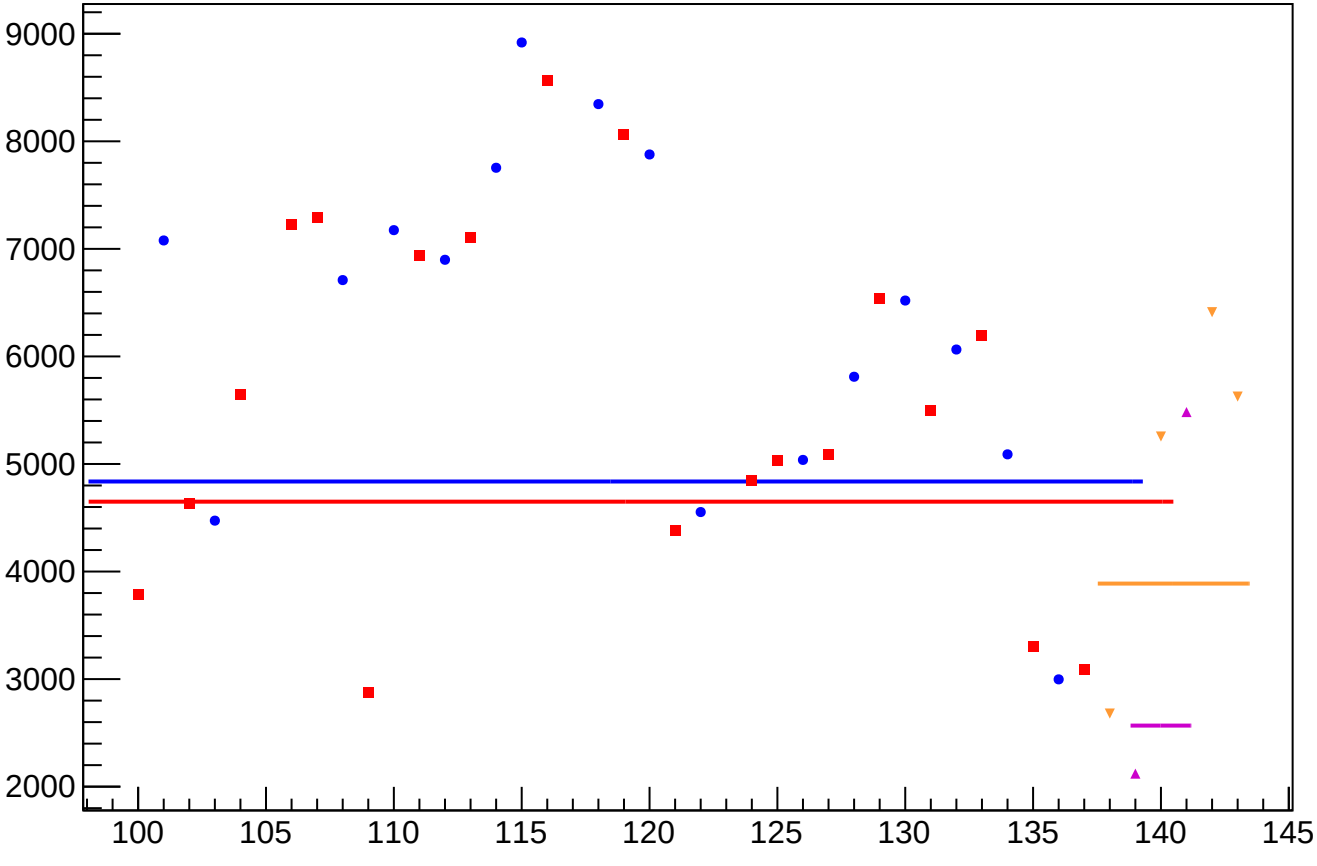
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.019+/-1.430 χ^2/NDF:15.1/17

Out: -0.294+/-1.479 χ^2/NDF:23.2/22

All: -0.133+/-1.028 χ^2/NDF: 38.3/40

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3888.027+/-1.779 χ^2/NDF:668814.6/3

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: 3124.835+/-1.156 χ^2/NDF: 1550342.6/5

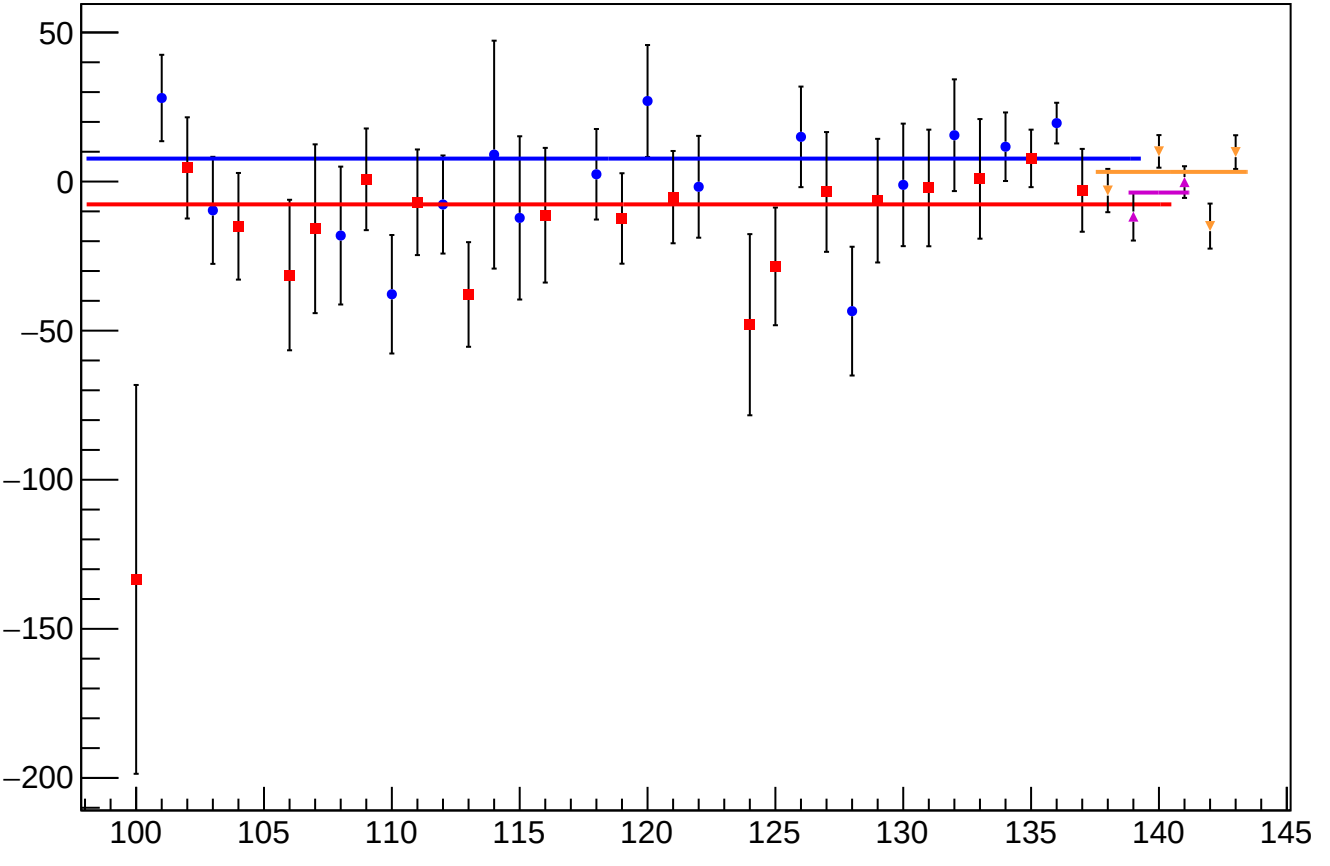
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 3832.827+/-1.011 χ^2/NDF:3353288.3/17

Out: 4386.516+/-1.046 χ^2/NDF:2223271.1/22

All: 4100.393+/-0.727 χ^2/NDF: 5721401.5/40

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 3.243+/-3.142 χ^2/NDF:9.5/3

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: 0.924+/-2.564 χ^2/NDF: 12.6/5

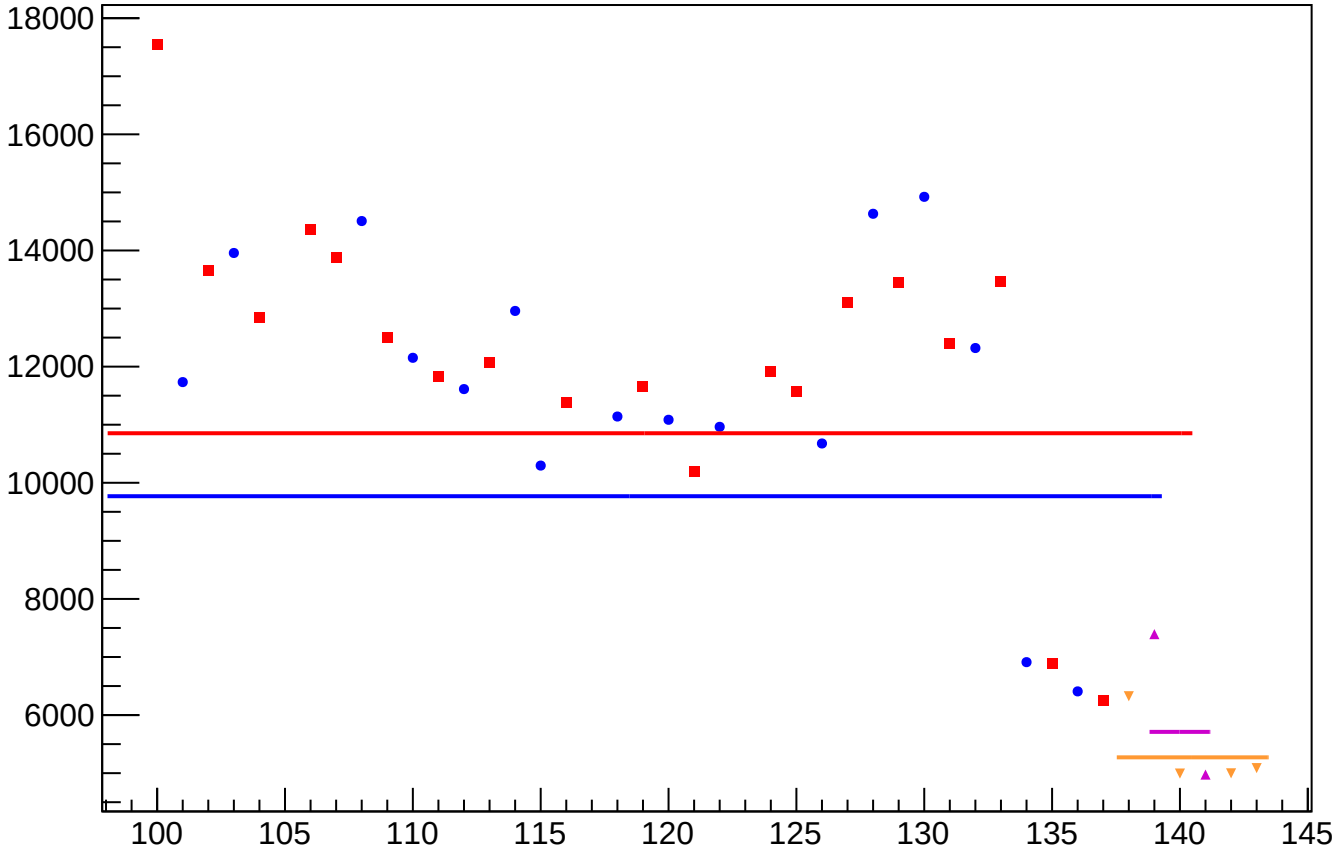
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 2.846+/-2.894 χ^2/NDF:26.8/17

Out: -0.789+/-2.494 χ^2/NDF:28.5/22

All: 0.760+/-1.889 χ^2/NDF: 56.3/40

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5272.251+/-2.222 χ^2/NDF:52061.5/3

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: 5418.917+/-1.813 χ^2/NDF: 191021.9/5

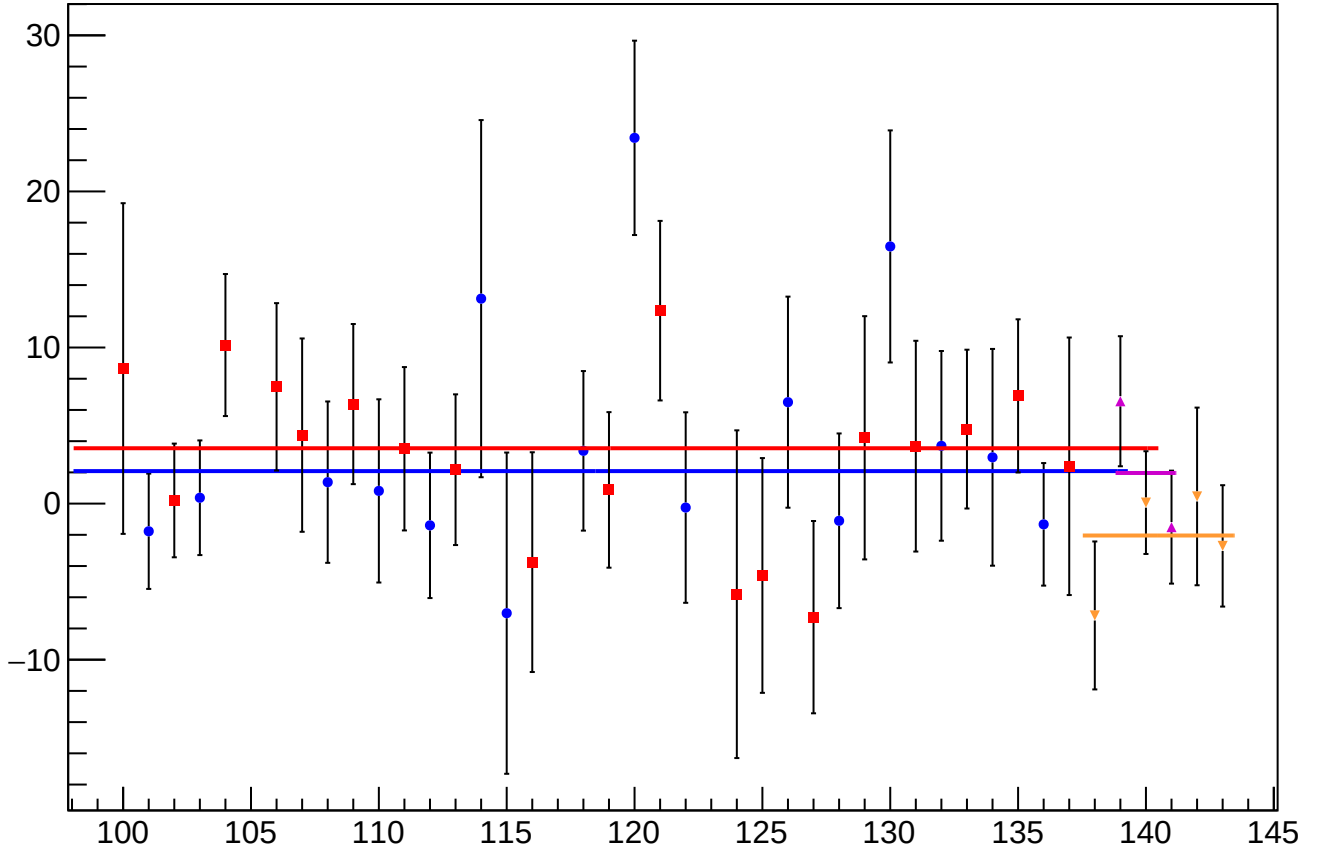
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 8039.769+/-2.046 χ^2/NDF:2301365.9/17

Out: 7337.876+/-1.763 χ^2/NDF:3261407.1/22

All: 7637.016+/-1.336 χ^2/NDF: 5630289.9/40

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.044+/-2.068 χ^2/NDF:1.8/3

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: -0.585+/-1.649 χ^2/NDF: 5.3/5

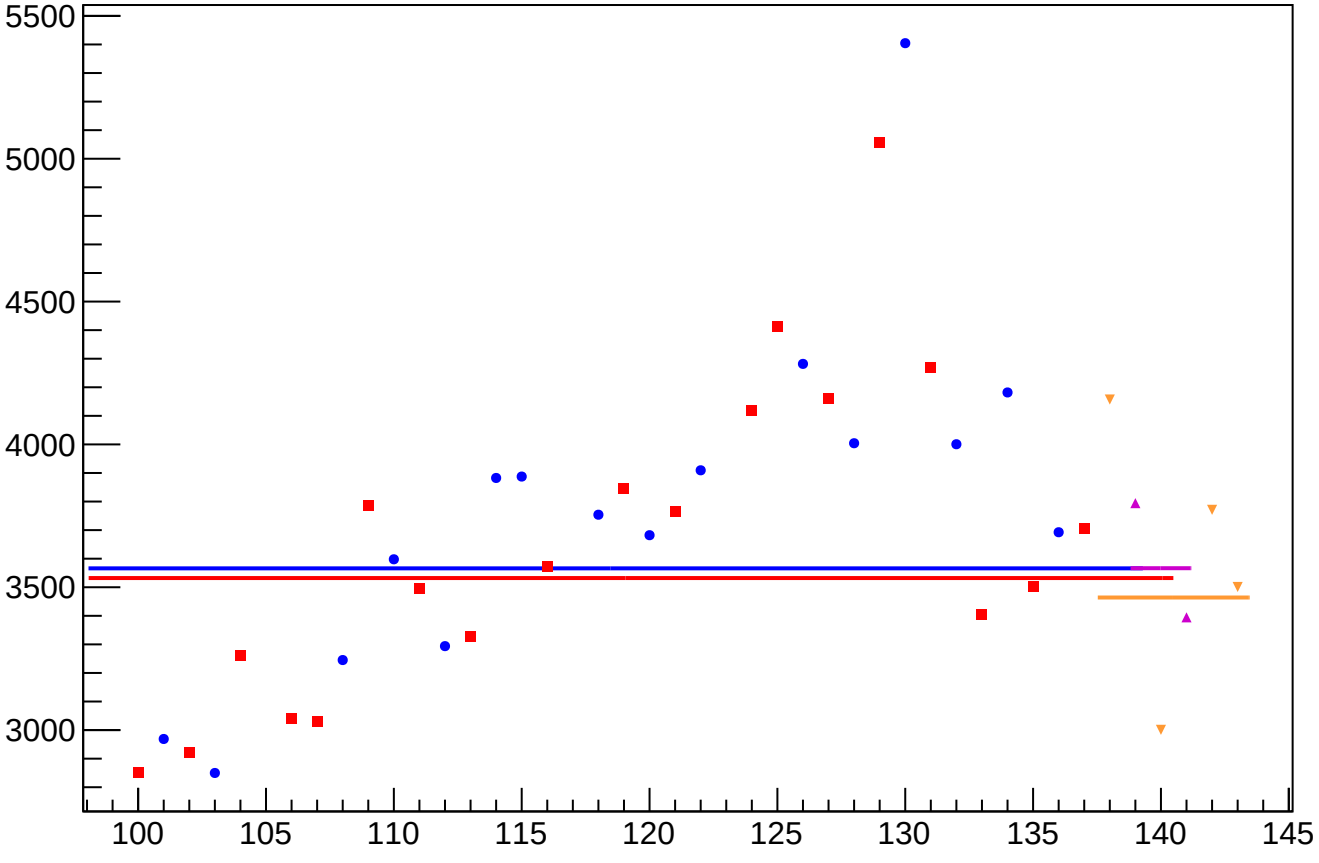
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.059+/-1.207 χ^2/NDF:23.1/17

Out: 1.956+/-1.103 χ^2/NDF:20.5/22

All: 2.002+/-0.814 χ^2/NDF: 43.6/40

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3464.075+/-1.462 χ^2/NDF:88378.3/3

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: 3501.430+/-1.166 χ^2/NDF: 100661.3/5

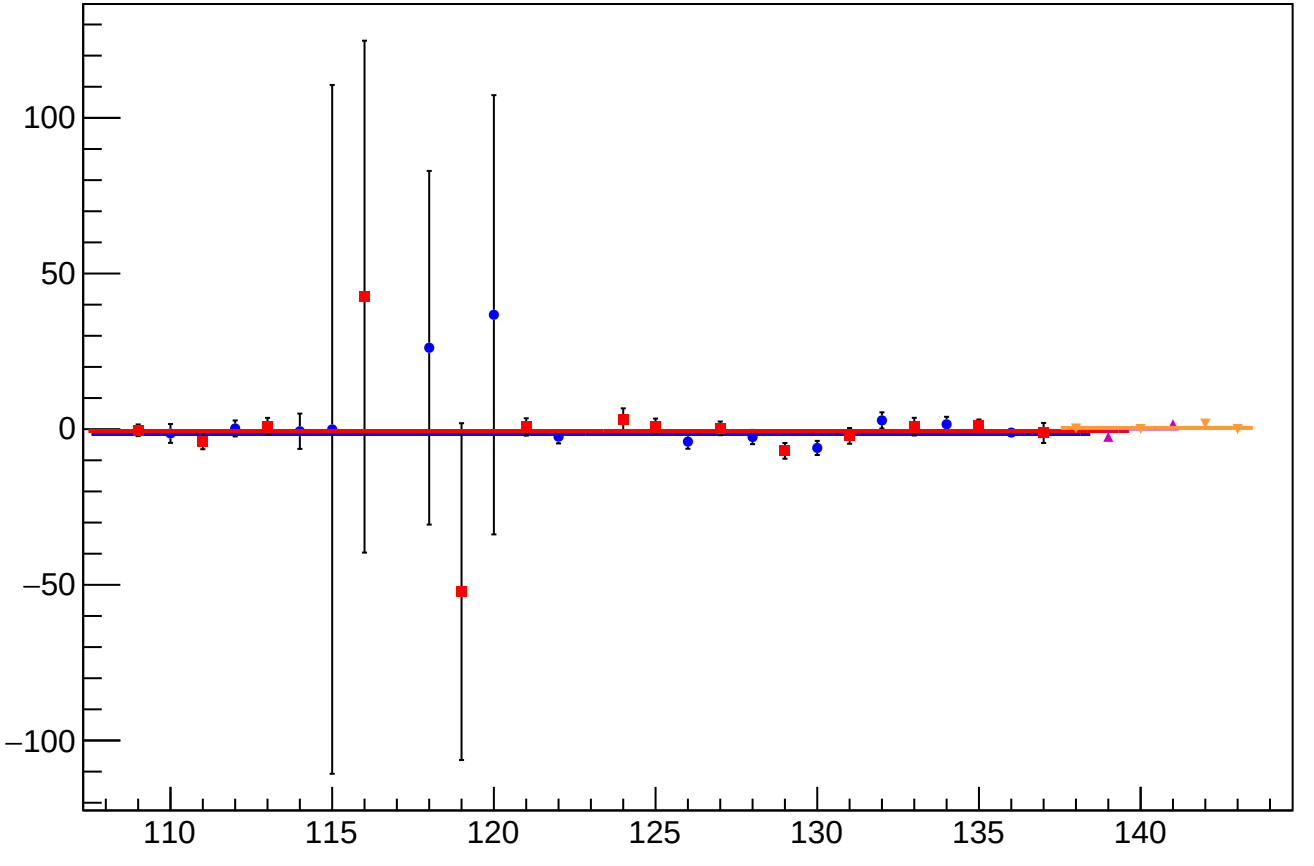
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3566.248+/-0.853 χ^2/NDF:351596.3/17

Out: 3512.805+/-0.780 χ^2/NDF:368623.8/22

All: 3537.129+/-0.576 χ^2/NDF: 722356.6/40

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.402+/-0.582 χ^2/NDF:1.3/3

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: 0.337+/-0.466 χ^2/NDF: 7.5/5

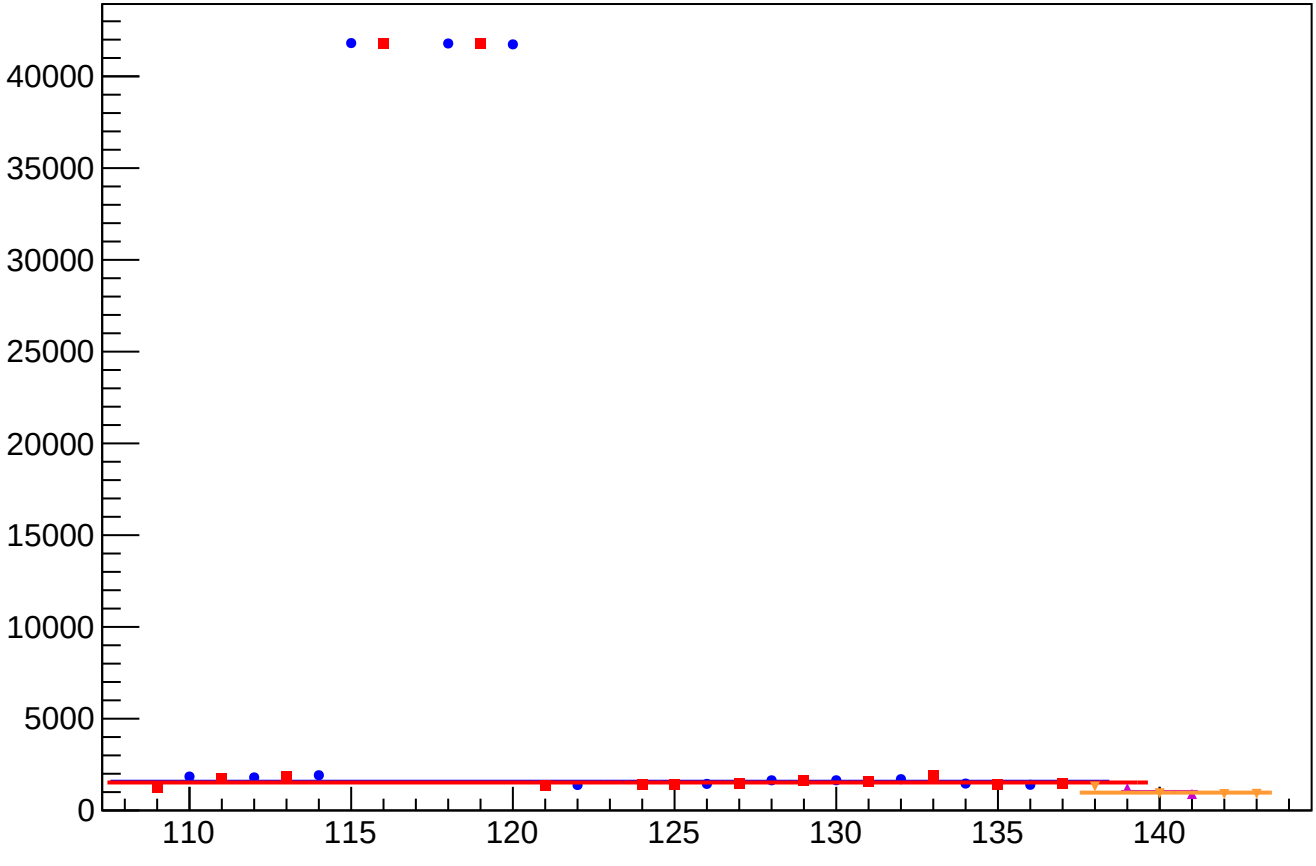
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.708+/-0.533 χ^2/NDF:19.9/14

Out: 0.008+/-0.452 χ^2/NDF:15.2/17

All: -0.291+/-0.345 χ^2/NDF: 36.1/32

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 972.500+/-0.412 χ^2/NDF:117383.4/3

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: 984.877+/-0.329 χ^2/NDF: 195585.5/5

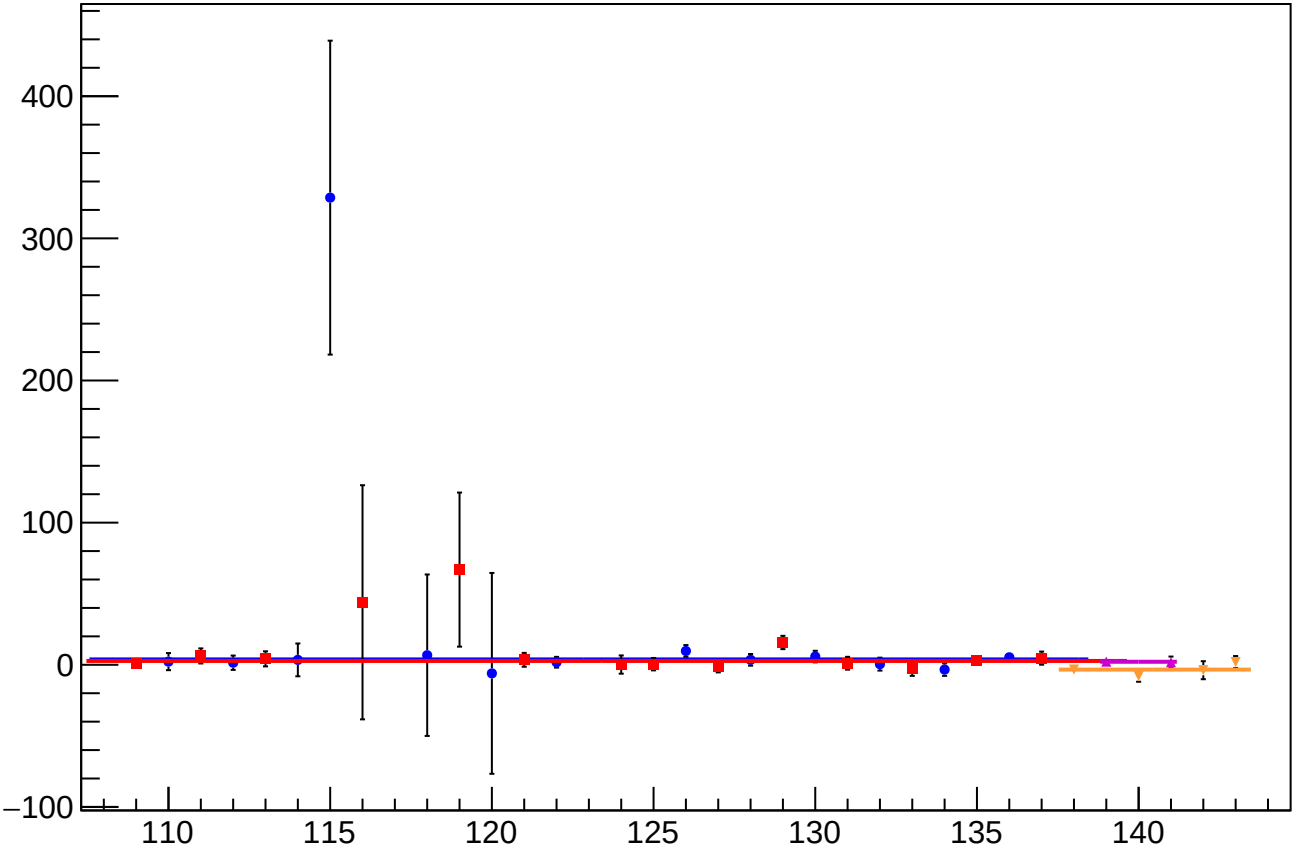
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1301.872+/-0.377 χ^2/NDF:2637629.7/14

Out: 1191.538+/-0.320 χ^2/NDF:2569054.4/17

All: 1237.698+/-0.244 χ^2/NDF: 5256529.3/32

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -3.391+/-1.639 χ^2/NDF:2.9/3

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: -0.990+/-1.232 χ^2/NDF: 7.9/5

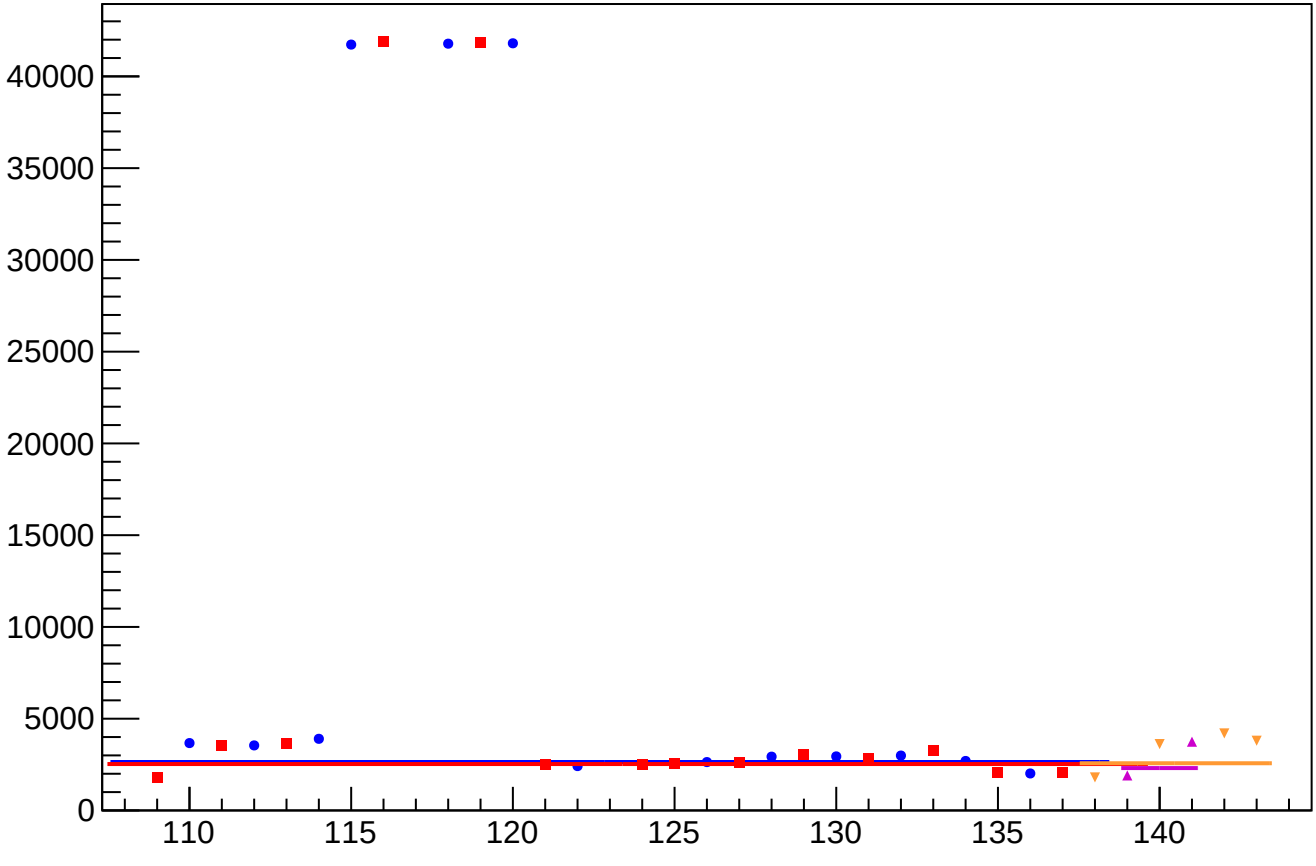
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 3.269+/-1.038 χ^2/NDF:15.7/14

Out: 0.555+/-0.974 χ^2/NDF:25.5/17

All: 1.826+/-0.710 χ^2/NDF: 44.8/32

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2572.231+/-1.159 χ^2/NDF:710333.4/3

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2309.277+/-1.322 χ^2/NDF:330119.6/1

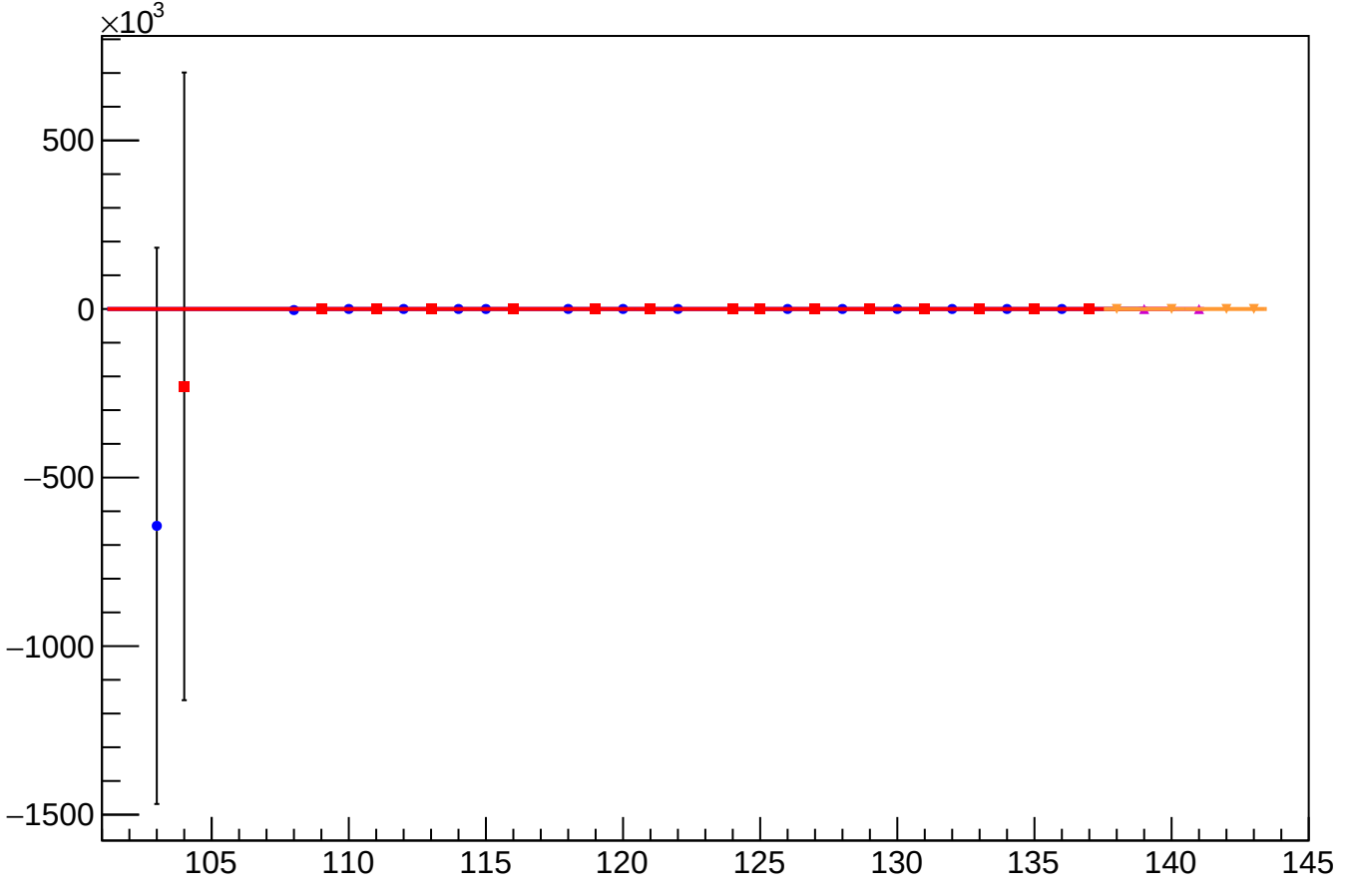
Left: 2457.920+/-0.871 χ^2/NDF: 1062826.9/5

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2537.952+/-0.734 χ^2/NDF:2546798.4/14

Out: 2544.275+/-0.689 χ^2/NDF:2661160.8/17

All: 2541.315+/-0.502 χ^2/NDF: 5207998.7/32



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -0.367+/-0.850 χ^2/NDF:5.4/3

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: 0.187+/-0.689 χ^2/NDF: 6.8/5

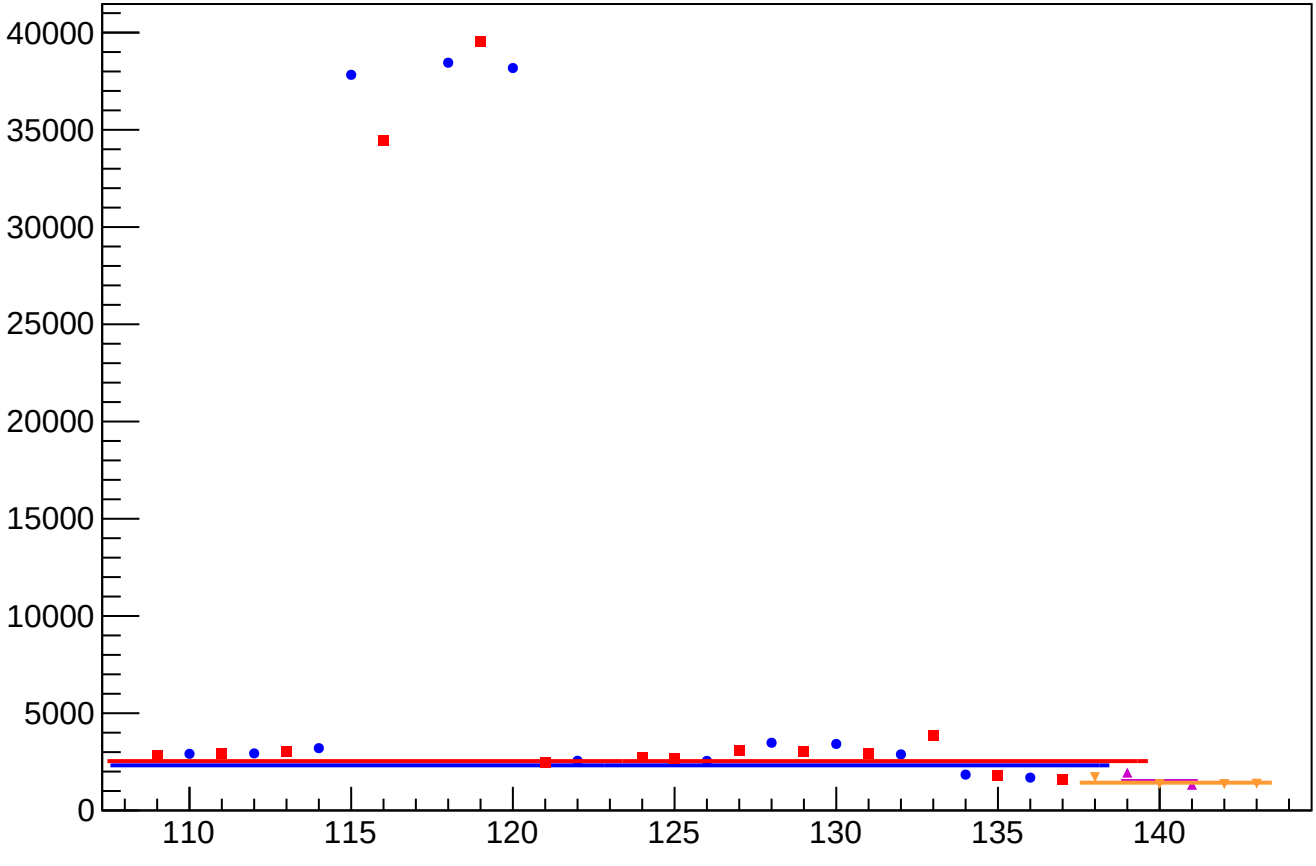
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.038+/-0.812 χ^2/NDF:21.2/16

Out: 0.636+/-0.696 χ^2/NDF:24.1/18

All: 0.351+/-0.528 χ^2/NDF: 45.7/35

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1428.915+/-0.601 χ^2/NDF:51089.8/3

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1513.728+/-0.830 χ^2/NDF:121378.6/1

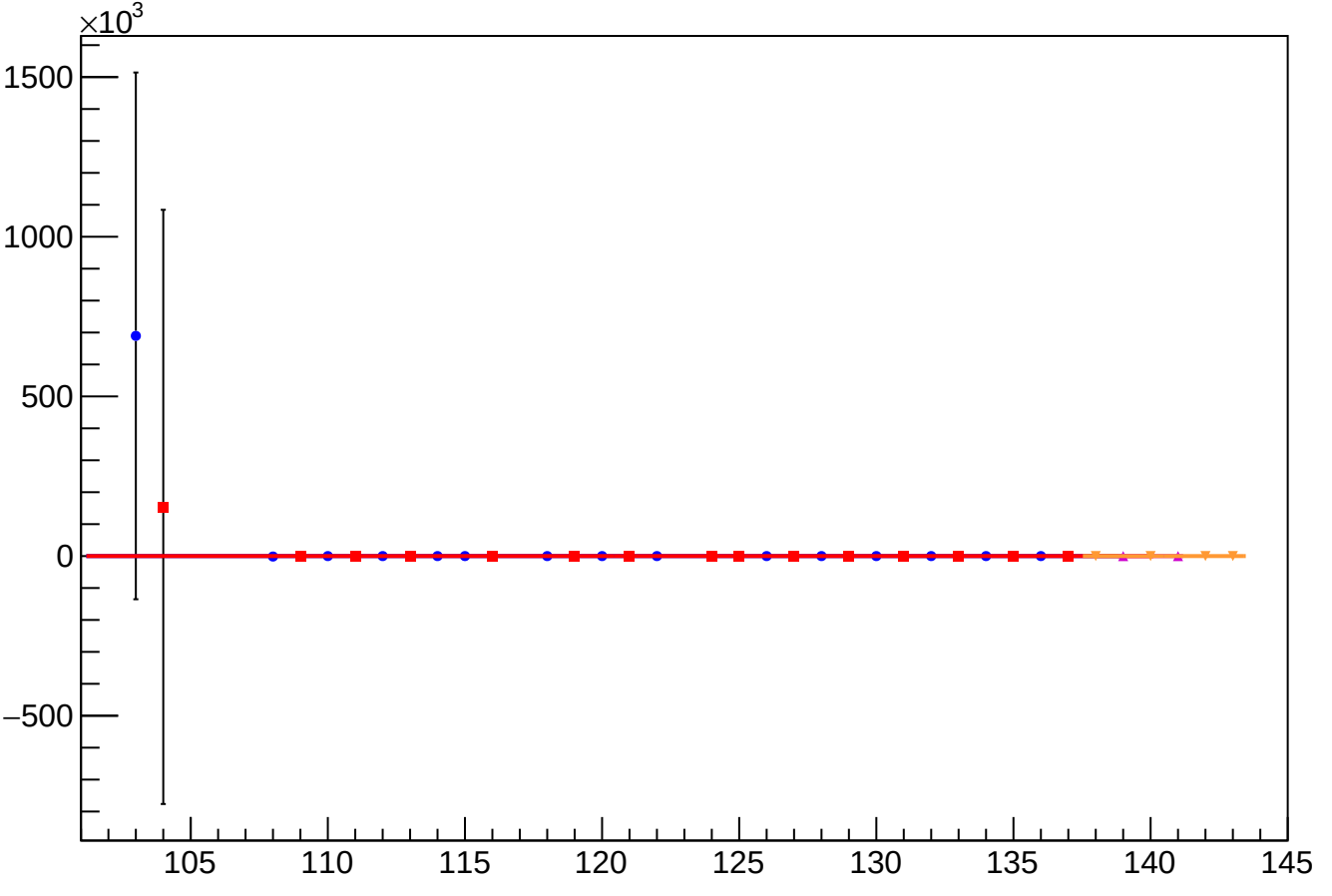
Left: 1458.127+/-0.487 χ^2/NDF: 179319.7/5

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1933.926+/-0.574 χ^2/NDF:3075325.8/14

Out: 1795.041+/-0.492 χ^2/NDF:3211783.3/17

All: 1853.851+/-0.374 χ^2/NDF: 6320832.6/32



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -2.247+/-1.172 χ^2/NDF:4.0/3

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: -1.140+/-0.796 χ^2/NDF: 6.2/5

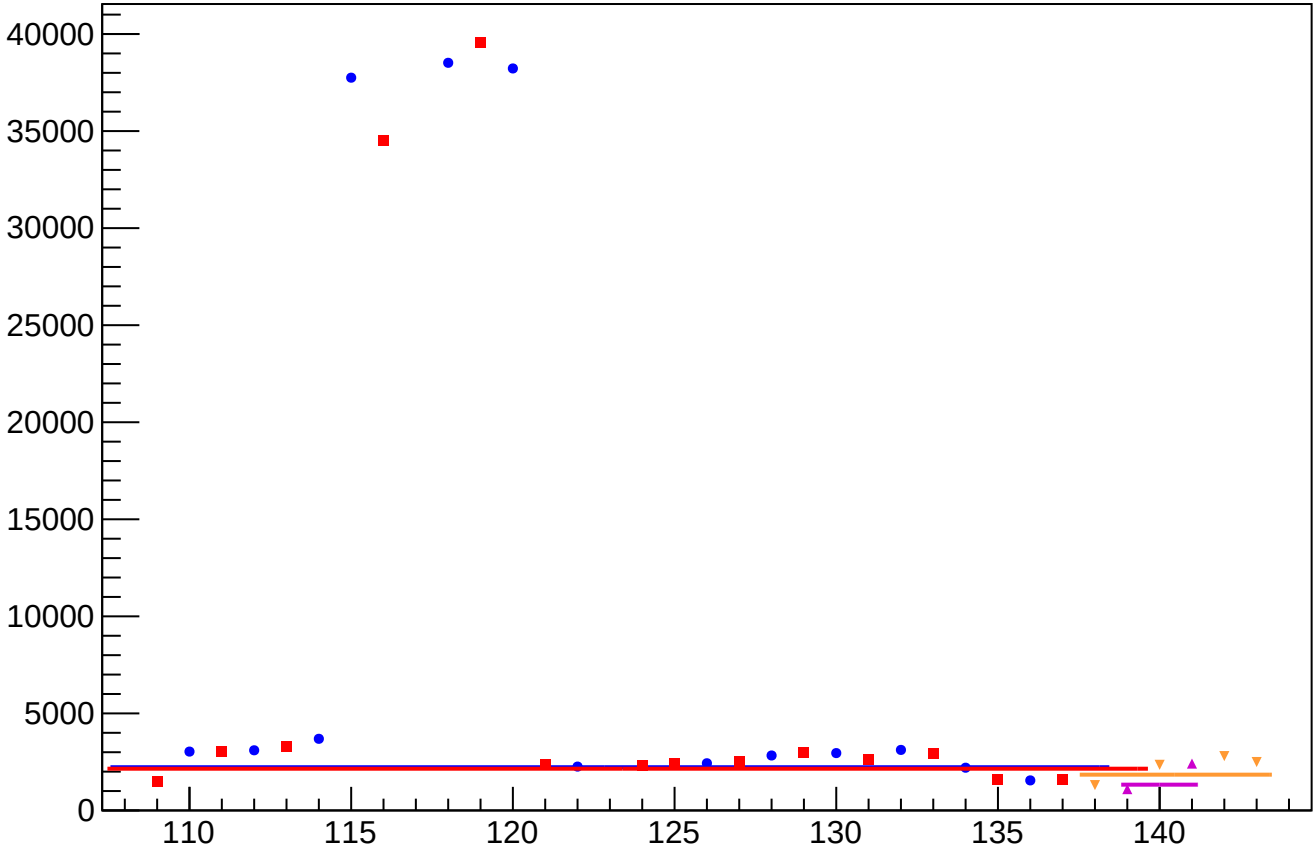
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.766+/-0.764 χ^2/NDF:7.1/16

Out: 0.047+/-0.783 χ^2/NDF:26.2/18

All: 0.415+/-0.547 χ^2/NDF: 33.8/35

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1843.920+/-0.829 χ^2/NDF:515584.1/3

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: 1566.372+/-0.563 χ^2/NDF: 1147427.2/5

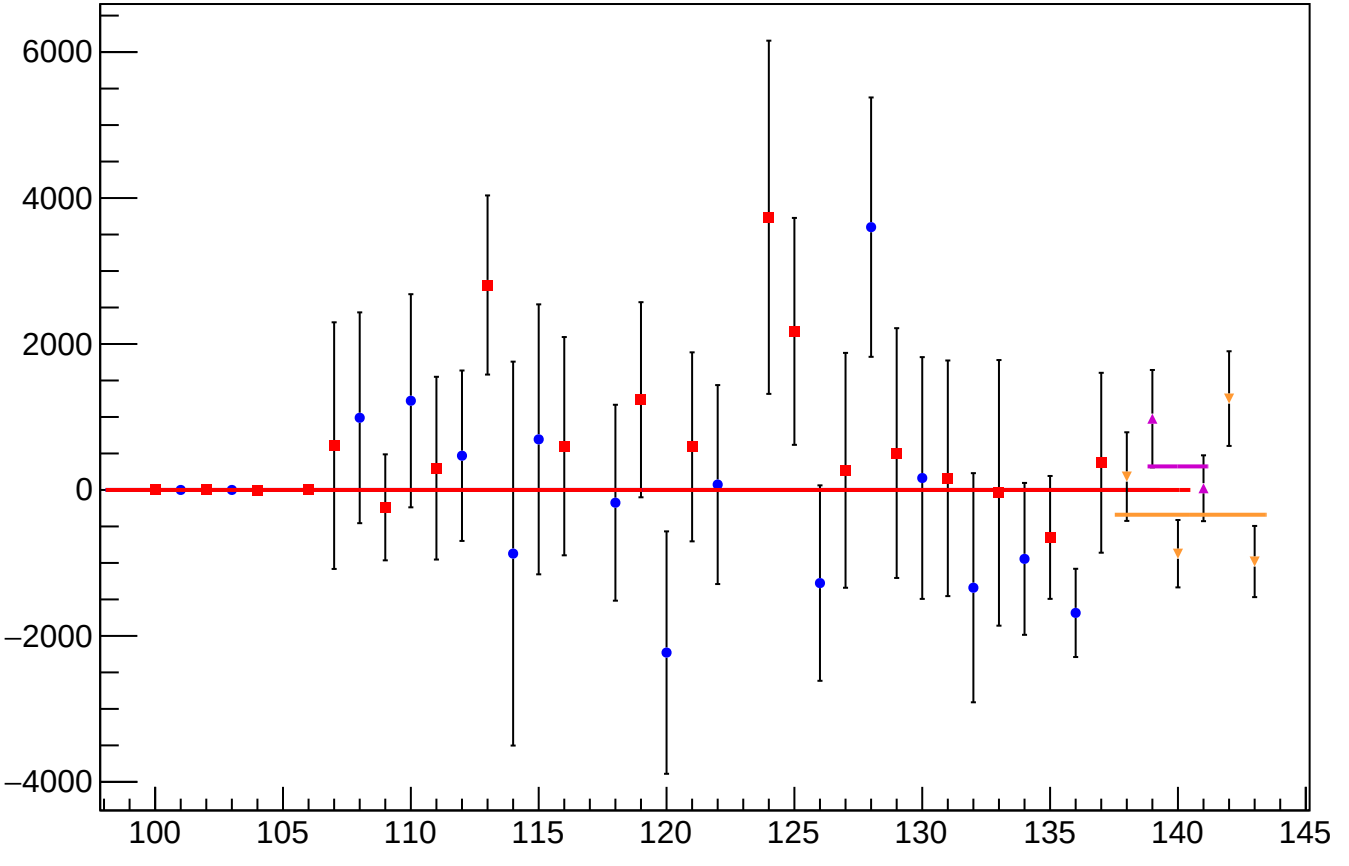
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1781.407+/-0.540 χ^2/NDF:3636918.7/14

Out: 2013.959+/-0.554 χ^2/NDF:2822867.5/17

All: 1894.892+/-0.387 χ^2/NDF: 6550154.1/32

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -339.505+/-267.416 χ^2/NDF:9.8/3

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 322.627+/-373.752 χ^2/NDF:1.4/1

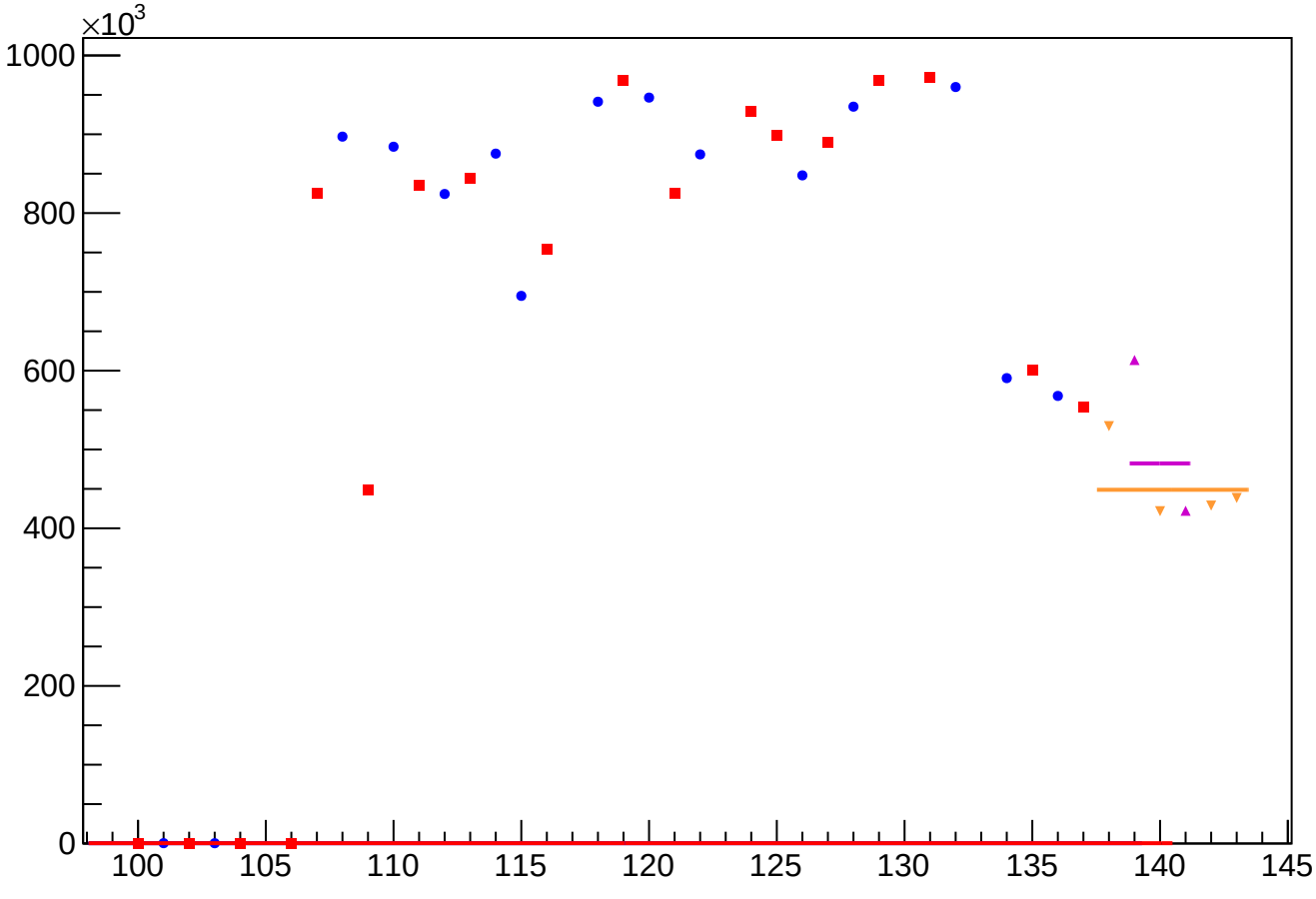
Left: -115.312+/-217.481 χ^2/NDF: 13.3/5

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:26.9/22

All: 0.065+/-0.241 χ^2/NDF: 47.3/40



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 448868.708+/-189.091 χ^2/NDF:45124.1/3

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 482295.920+/-264.282 χ^2/NDF:112826.6/1

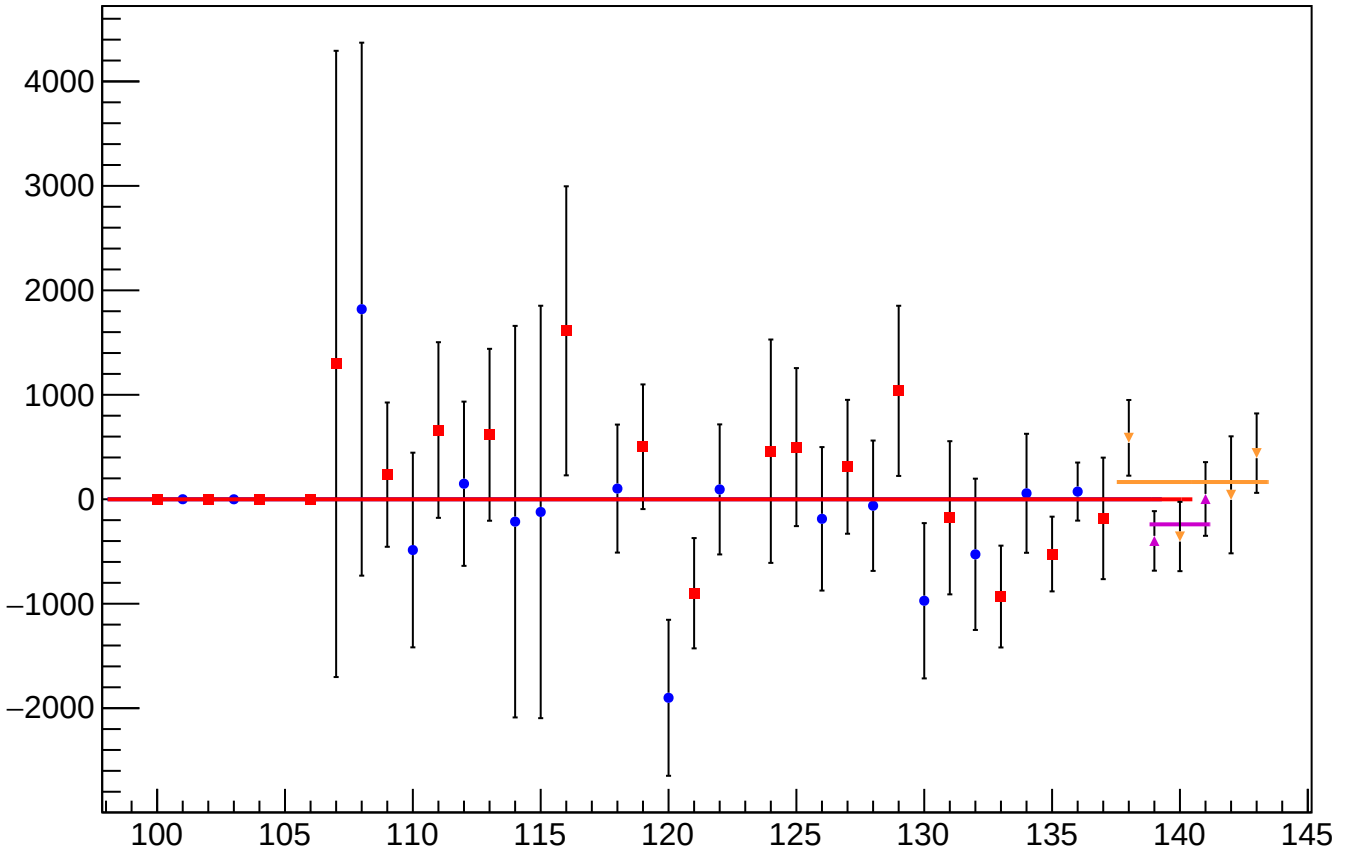
Left: 460186.909+/-153.782 χ^2/NDF: 168531.9/5

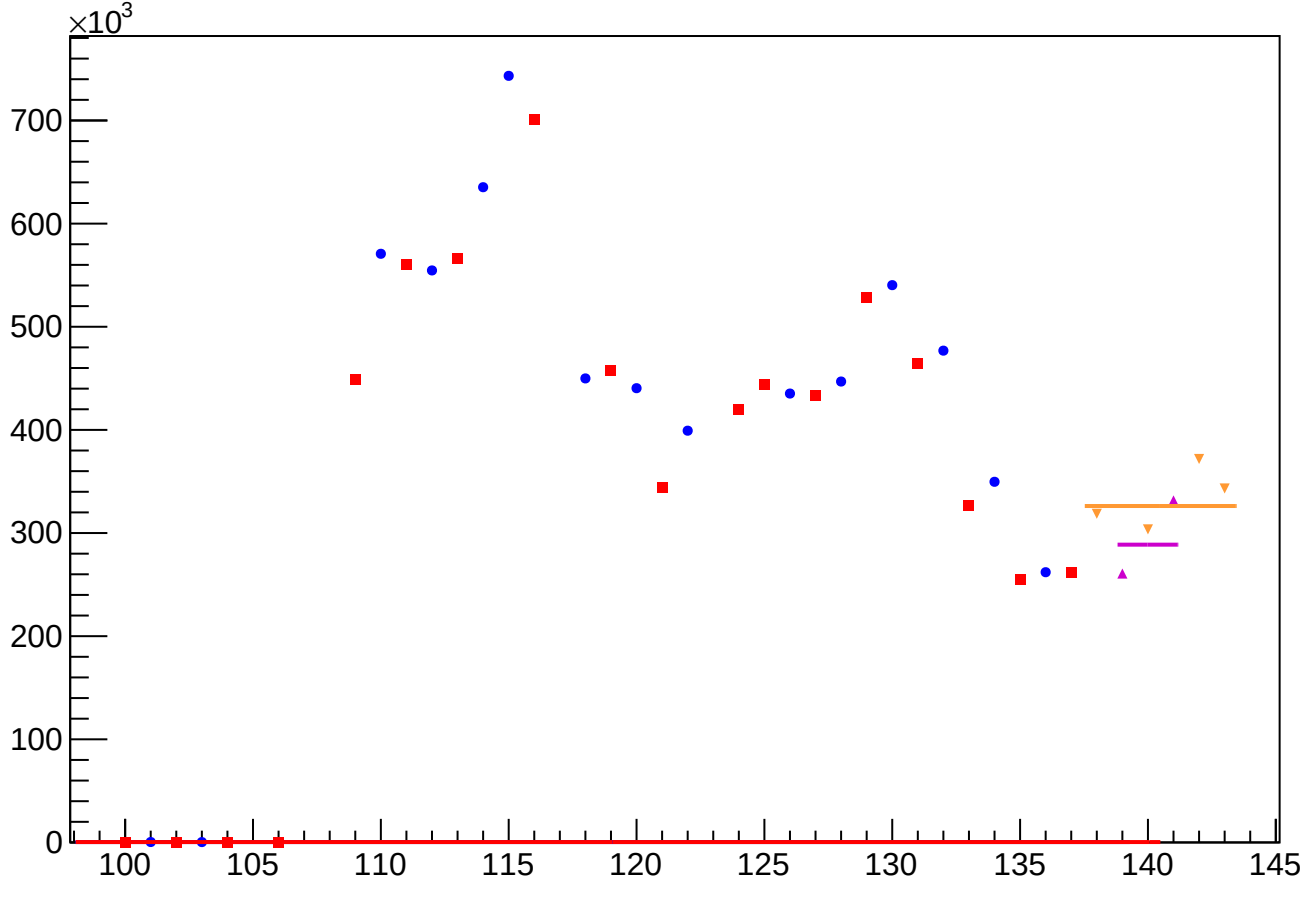
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.317+/-0.251 χ^2/NDF:11929508.7/16

Out: 393.914+/-0.232 χ^2/NDF:13318834.7/21

All: 396.395+/-0.170 χ^2/NDF: 25248593.0/38


diff_cav4bY_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
105
110
115
120
125
130
135
140
145
Right In: -0.020+/-0.347 χ²/NDF: 10.5/15
Left Out: 165.106+/-193.115 χ²/NDF:4.4/3
Right Out: -0.599+/-0.324 χ²/NDF: 15.0/18
Left In: -240.113+/-221.680 χ²/NDF:0.8/1
Left: -9.730+/-145.612 χ²/NDF: 7.1/5
Right: -0.330+/-0.237 χ²/NDF: 27.0/34
In: -0.021+/-0.347 χ²/NDF:12.4/17
Out: -0.598+/-0.324 χ²/NDF:20.2/22
All: -0.330+/-0.237 χ²/NDF: 34.1/40



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 326196.240+/-136.553 χ^2/NDF:27462.5/3

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 288726.247+/-156.752 χ^2/NDF:48921.0/1

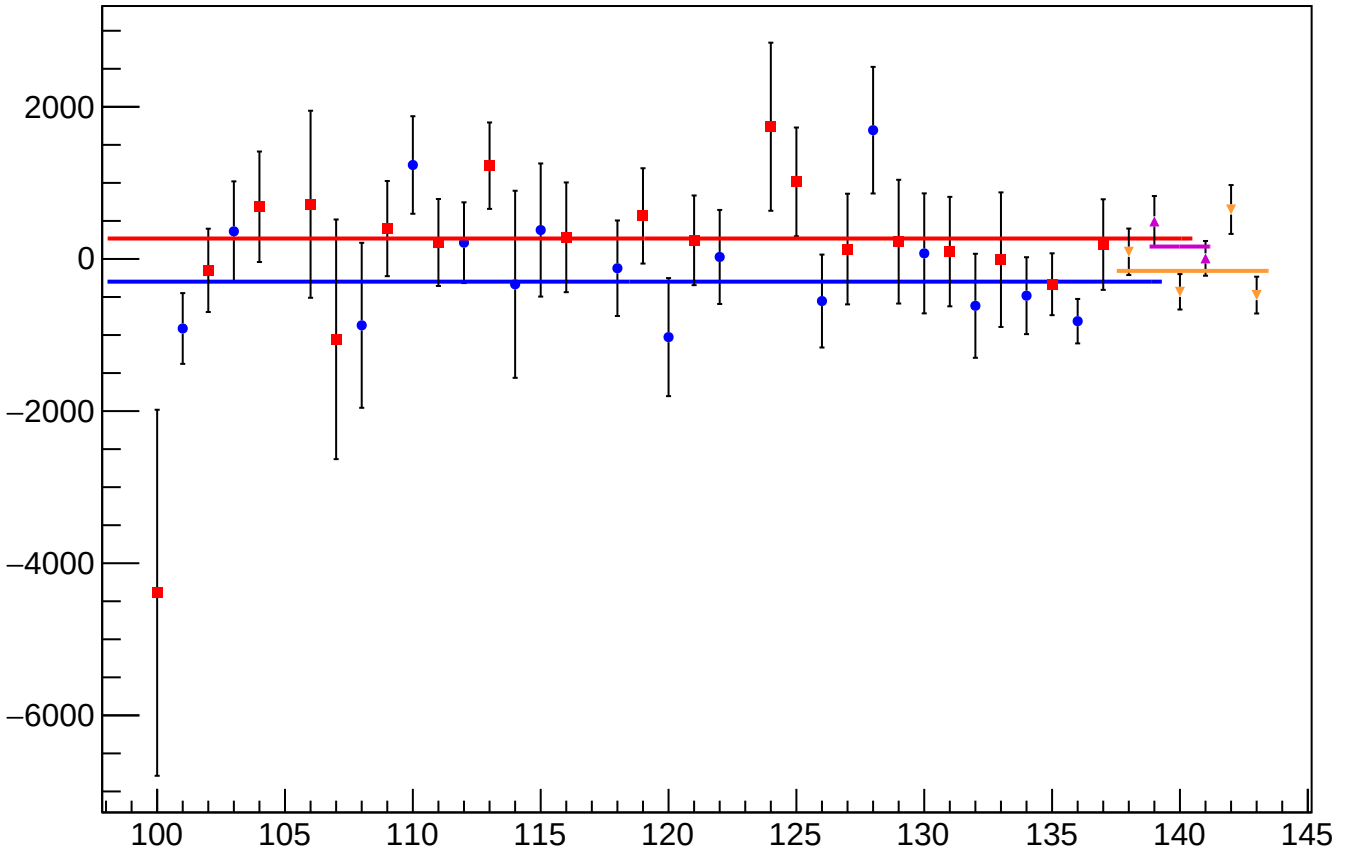
Left: 310029.430+/-102.963 χ^2/NDF: 108870.1/5

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 390.983+/-0.245 χ^2/NDF:14564709.7/16

Out: 388.900+/-0.229 χ^2/NDF:16794472.4/21

All: 389.869+/-0.167 χ^2/NDF: 31359220.5/38



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -156.659+/-133.694 χ^2/NDF:10.1/3

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 163.141+/-188.370 χ^2/NDF:1.4/1

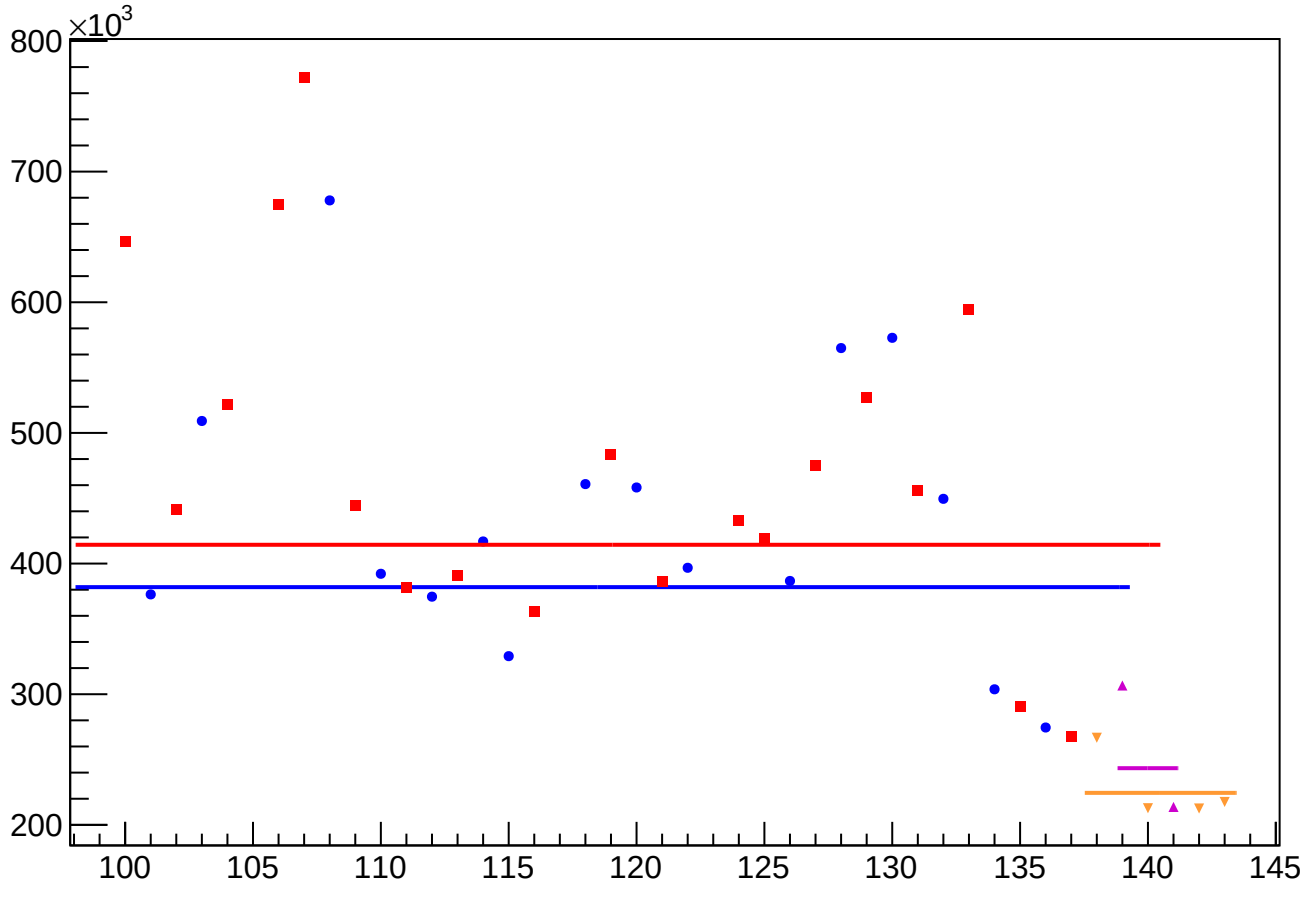
Left: -49.529+/-109.025 χ^2/NDF: 13.5/5

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -123.083+/-116.068 χ^2/NDF:26.3/17

Out: 22.769+/-101.674 χ^2/NDF:28.3/22

All: -40.557+/-76.480 χ^2/NDF: 55.5/40



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 224500.984+/-94.536 χ^2/NDF:47682.7/3

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 243388.097+/-133.198 χ^2/NDF:105785.4/1

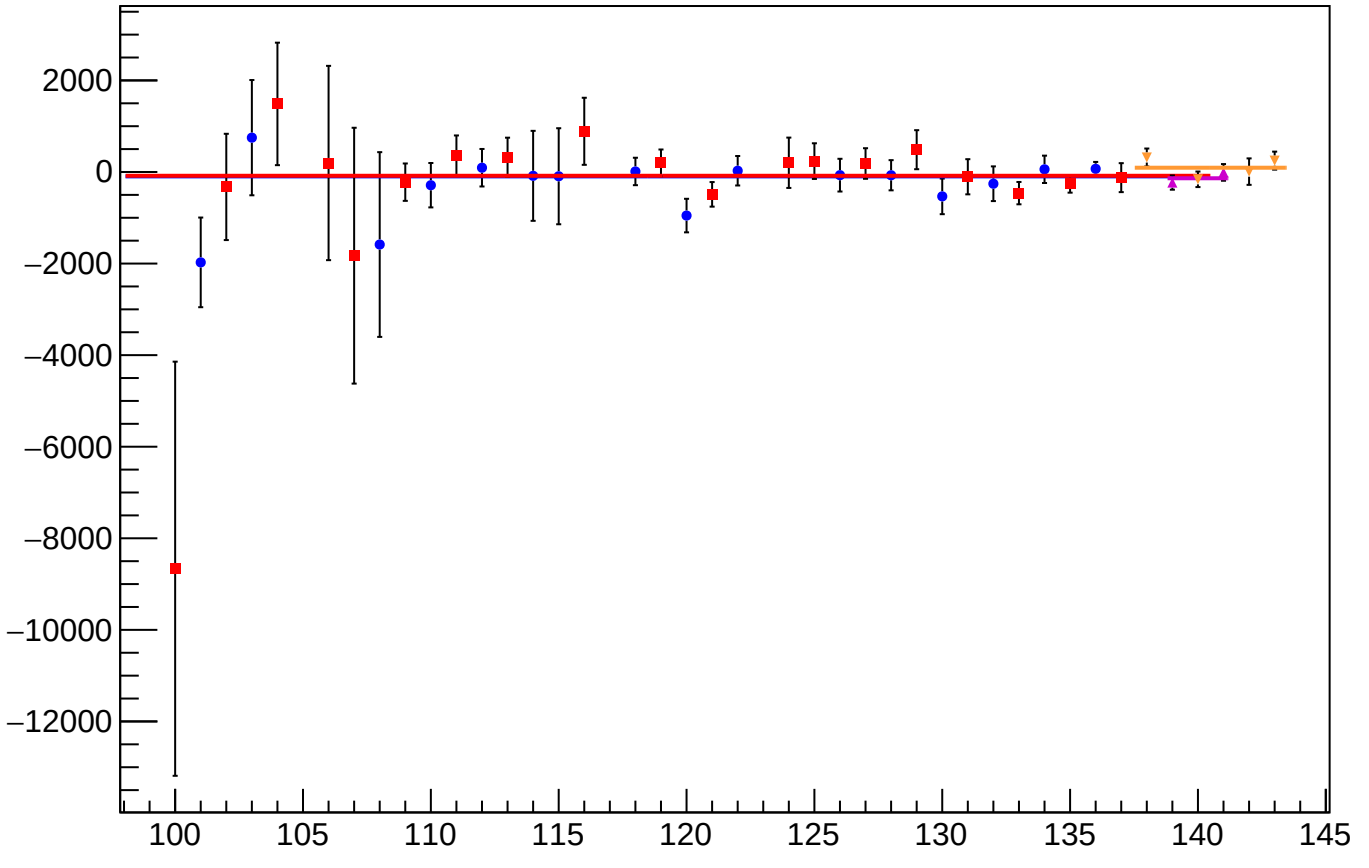
Left: 230827.946+/-77.092 χ^2/NDF: 166839.3/5

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 329337.248+/-82.082 χ^2/NDF:1613541.4/17

Out: 304536.727+/-71.902 χ^2/NDF:2508215.1/22

All: 315304.635+/-54.086 χ^2/NDF: 4173410.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.188+/-100.704 χ^2/NDF:4.2/3

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -137.152+/-118.292 χ^2/NDF:0.9/1

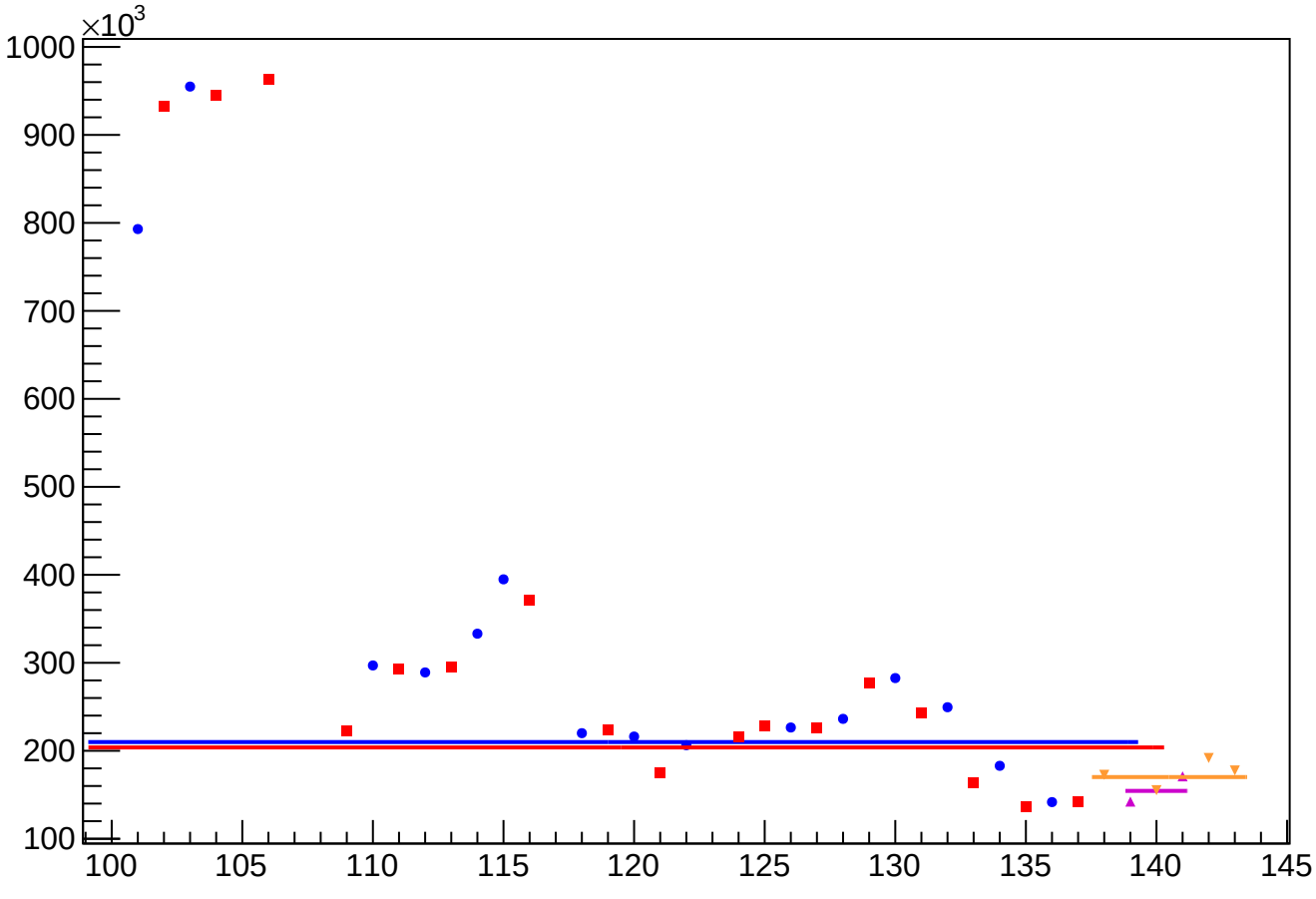
Left: -3.602+/-76.681 χ^2/NDF: 7.3/5

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -110.622+/-70.743 χ^2/NDF:14.6/17

Out: -7.246+/-65.971 χ^2/NDF:25.1/22

All: -55.330+/-48.247 χ^2/NDF: 40.8/40



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 170155.923+/-71.209 χ^2/NDF:29952.8/3

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 154430.987+/-83.645 χ^2/NDF:28737.4/1

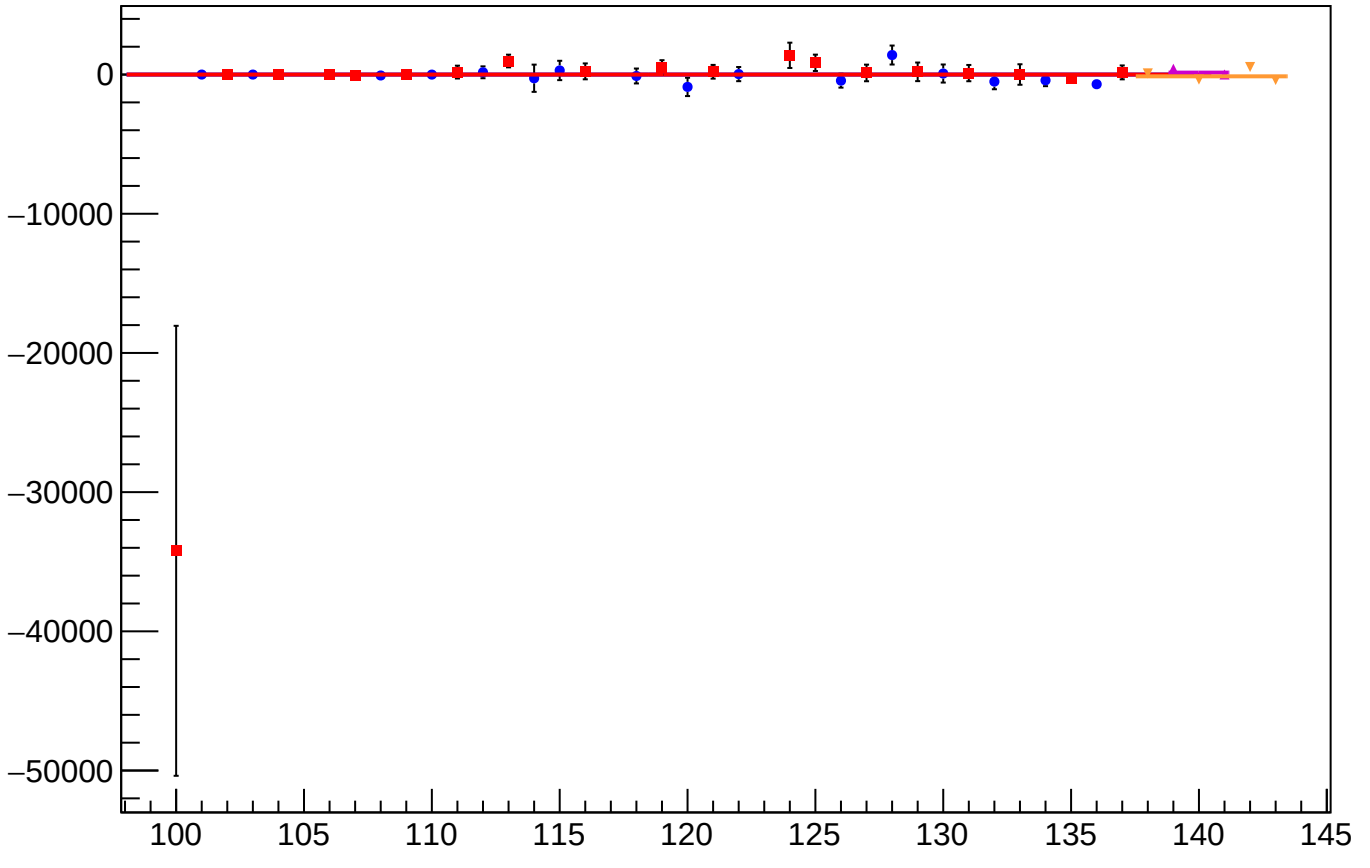
Left: 163548.196+/-54.221 χ^2/NDF: 79181.7/5

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 190035.850+/-50.079 χ^2/NDF:2271064.6/16

Out: 189317.030+/-46.715 χ^2/NDF:2227539.9/20

All: 189651.487+/-34.160 χ^2/NDF: 4498714.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -127.211+/-111.268 χ^2/NDF:10.2/3

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 139.421+/-157.053 χ^2/NDF:1.5/1

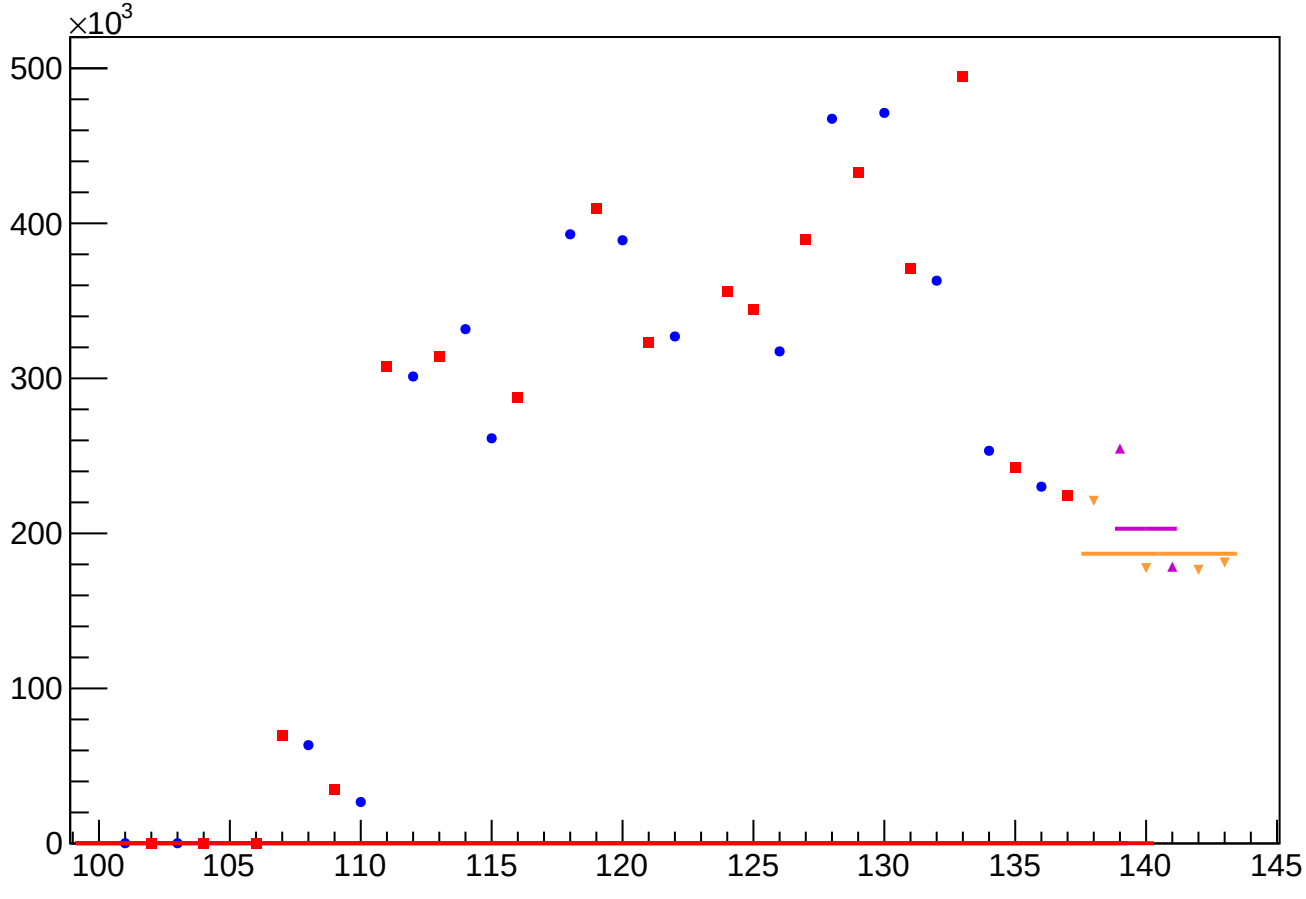
Left: -38.105+/-90.791 χ^2/NDF: 13.6/5

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:28.0/22

All: 0.174+/-0.117 χ^2/NDF: 51.1/40



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 186874.629+/-78.678 χ^2/NDF:45526.9/3

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 203020.693+/-111.053 χ^2/NDF:102757.8/1

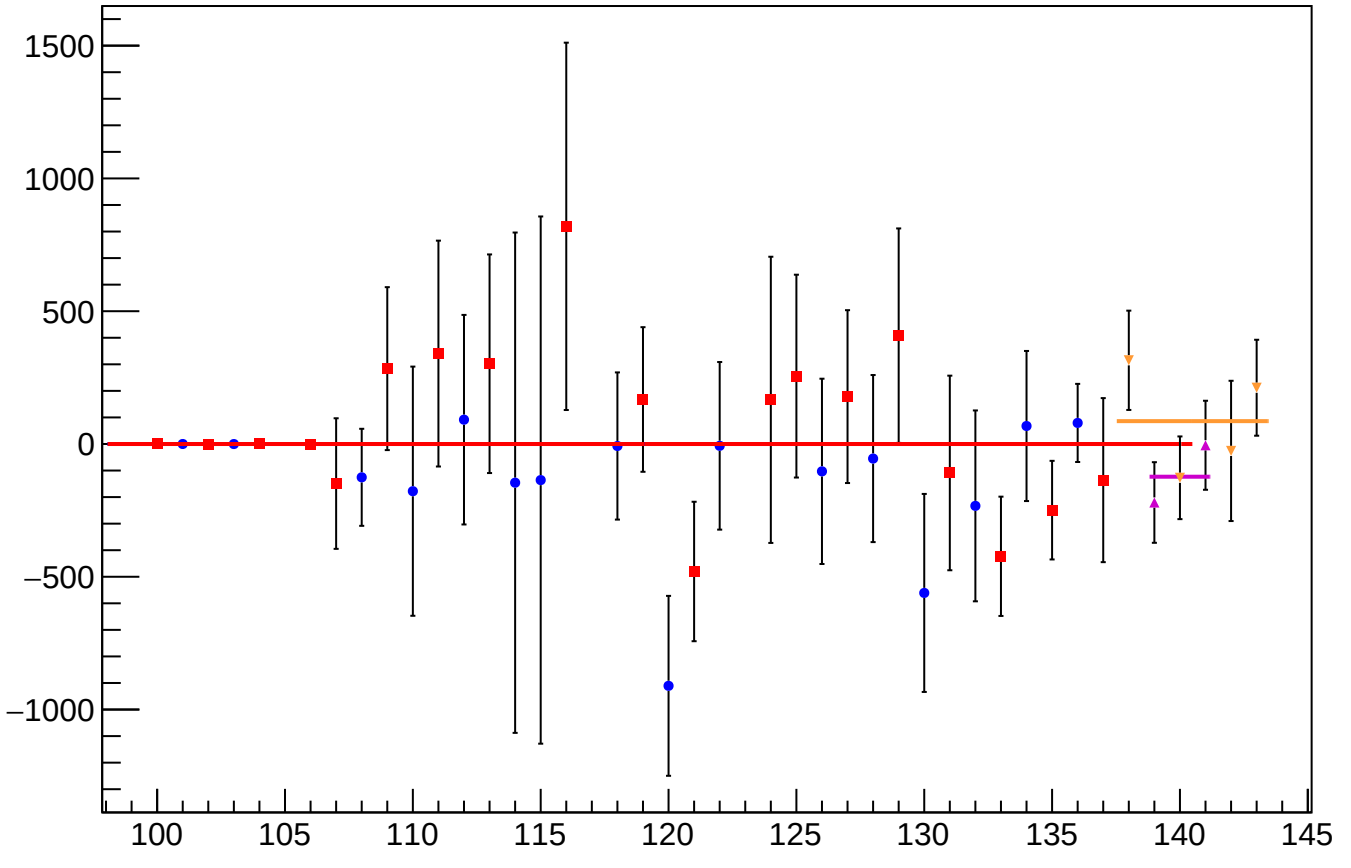
Left: 192270.498+/-64.199 χ^2/NDF: 162358.8/5

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.336+/-0.122 χ^2/NDF:14741873.9/17

Out: 149.765+/-0.113 χ^2/NDF:16966686.4/21

All: 149.566+/-0.083 χ^2/NDF: 31708567.0/39



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 86.030+/-93.318 χ^2/NDF:4.0/3

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -123.249+/-112.507 χ^2/NDF:0.9/1

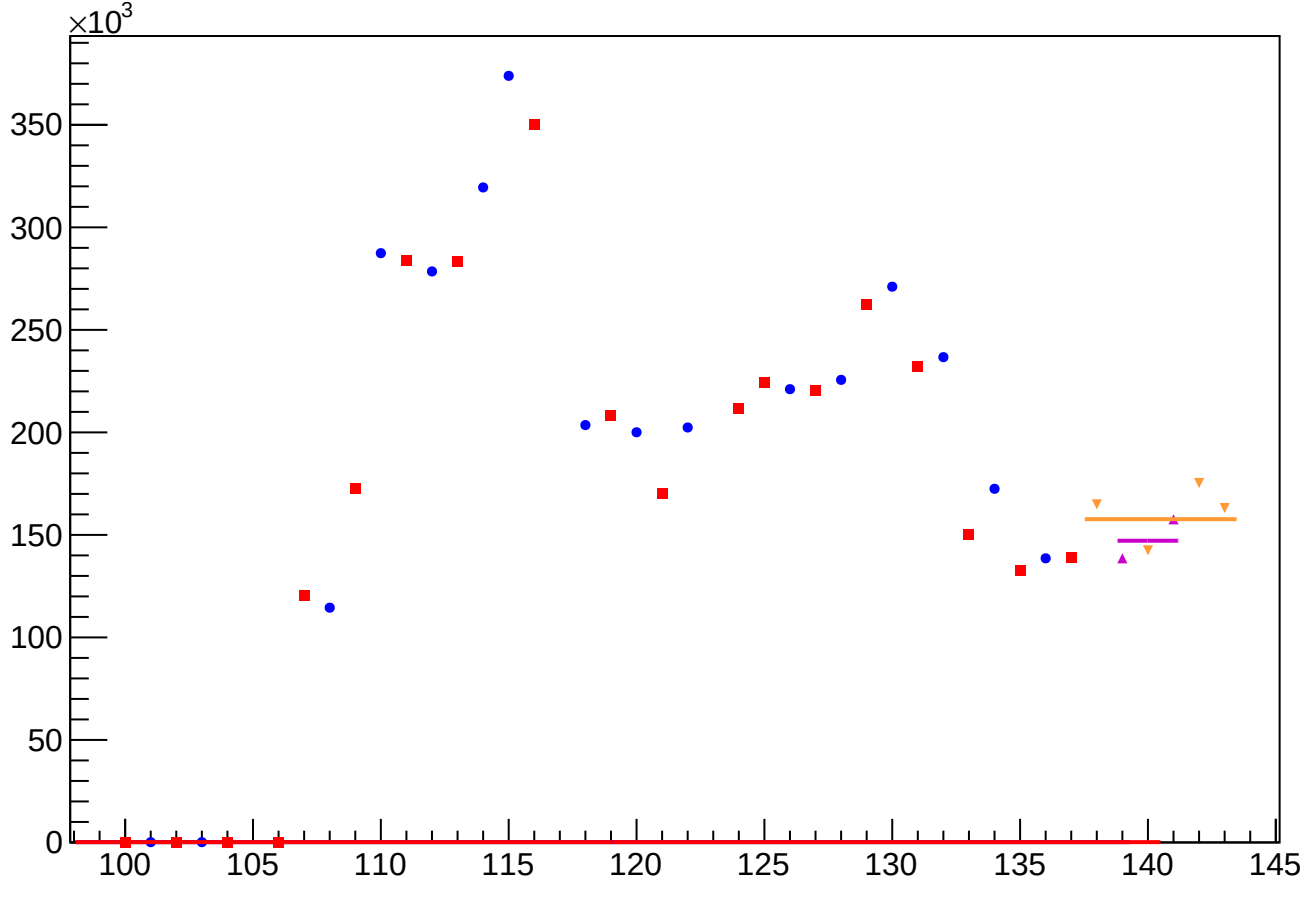
Left: 0.734+/-71.826 χ^2/NDF: 7.0/5

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:20.1/22

All: -0.099+/-0.121 χ^2/NDF: 33.5/40



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 157669.763+/-65.986 χ^2/NDF:32779.8/3

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: 153383.783+/-50.789 χ^2/NDF: 57257.8/5

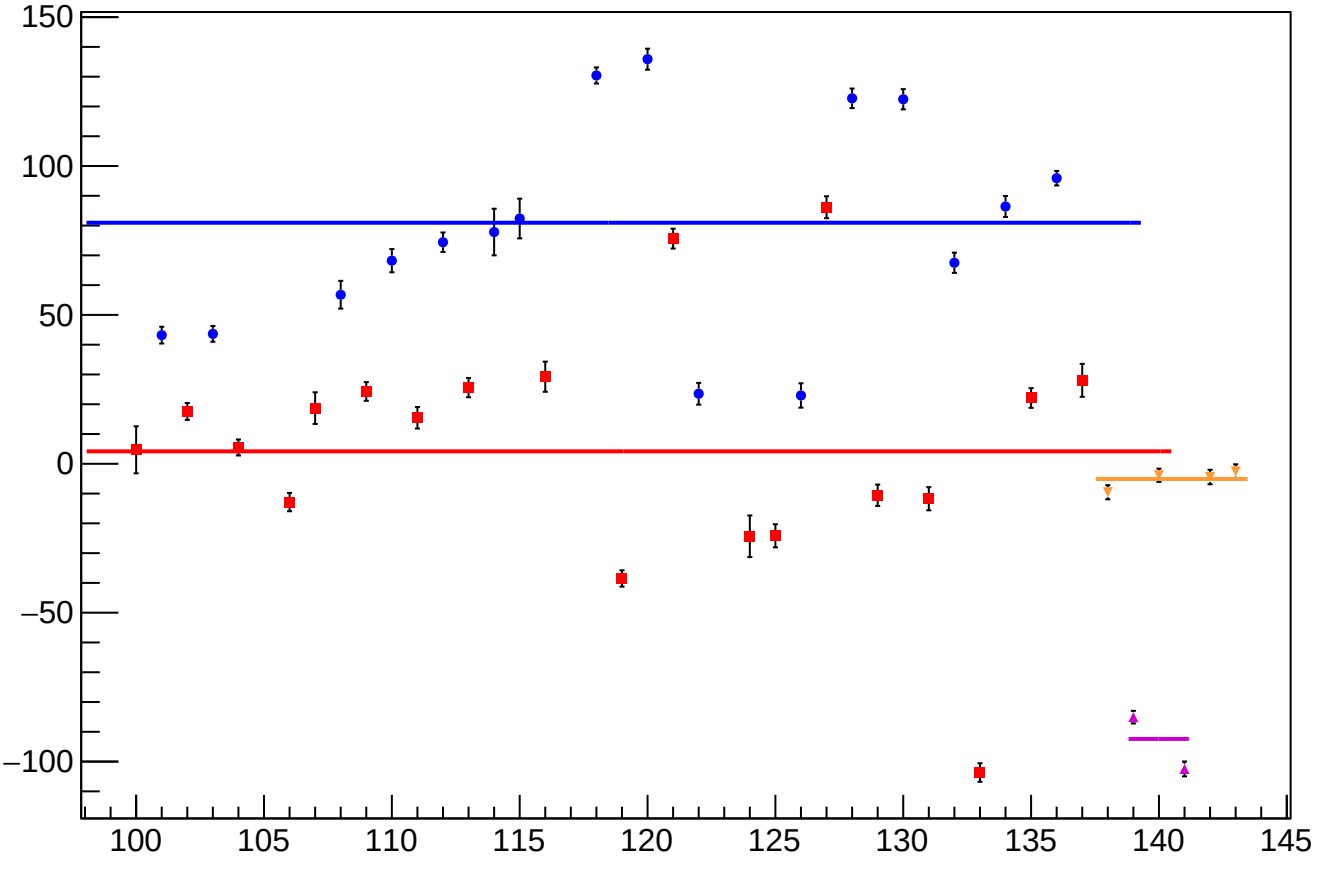
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 153.825+/-0.125 χ^2/NDF:15333378.7/17

Out: 156.659+/-0.118 χ^2/NDF:17061865.2/22

All: 155.330+/-0.086 χ^2/NDF: 32395515.6/40

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -5.086+/-1.177 χ^2/NDF:5.0/3

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: -35.241+/-0.953 χ^2/NDF: 1931.9/5

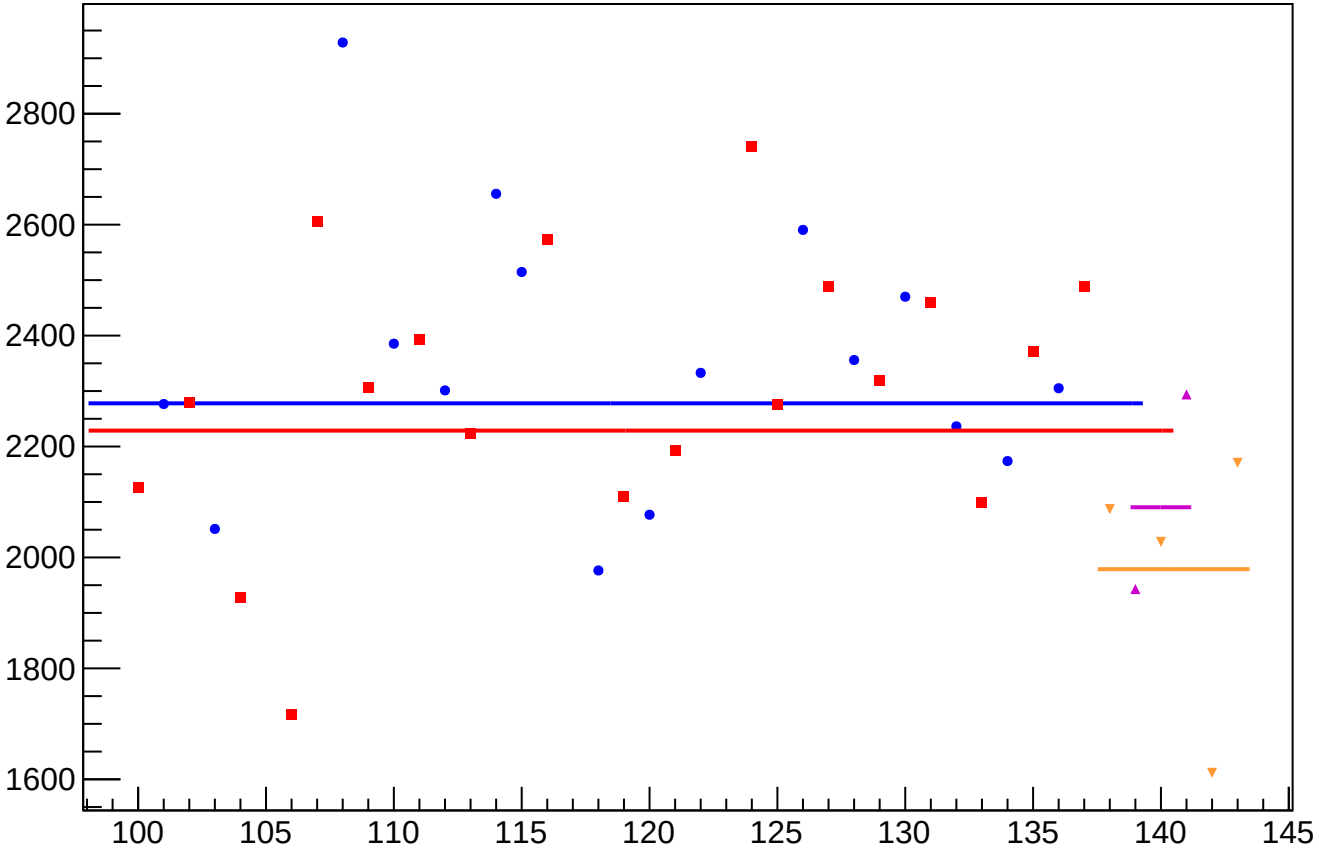
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 43.470+/-0.754 χ^2/NDF:10804.8/17

Out: 1.155+/-0.673 χ^2/NDF:2766.5/22

All: 19.923+/-0.502 χ^2/NDF: 15324.9/40

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1978.885+/-0.833 χ^2/NDF:63574.5/3

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: 2017.445+/-0.674 χ^2/NDF: 92614.5/5

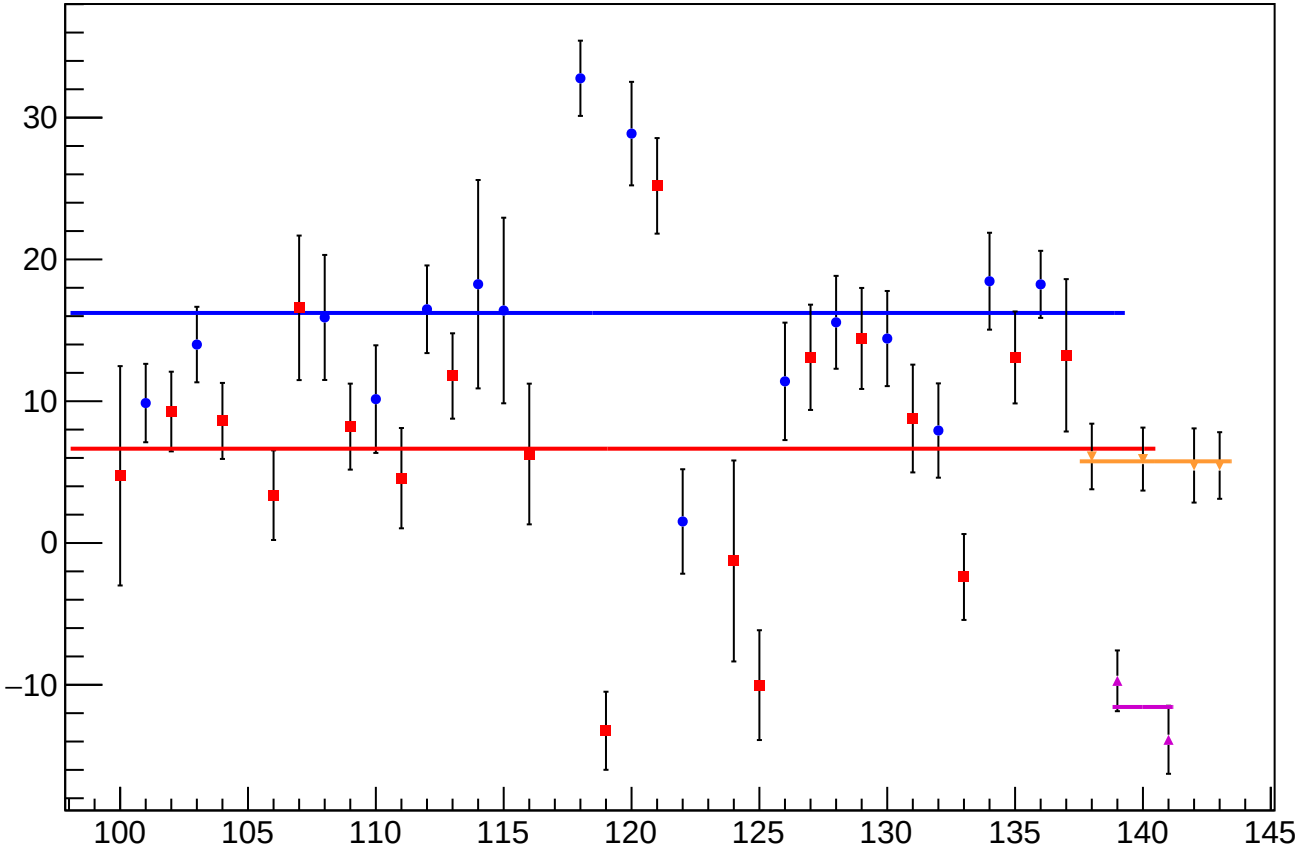
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2237.355+/-0.533 χ^2/NDF:159539.3/17

Out: 2147.092+/-0.476 χ^2/NDF:275323.4/22

All: 2187.126+/-0.355 χ^2/NDF: 450821.3/40

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.761+/-1.181 χ^2/NDF:0.1/3

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: -0.358+/-0.950 χ^2/NDF: 77.7/5

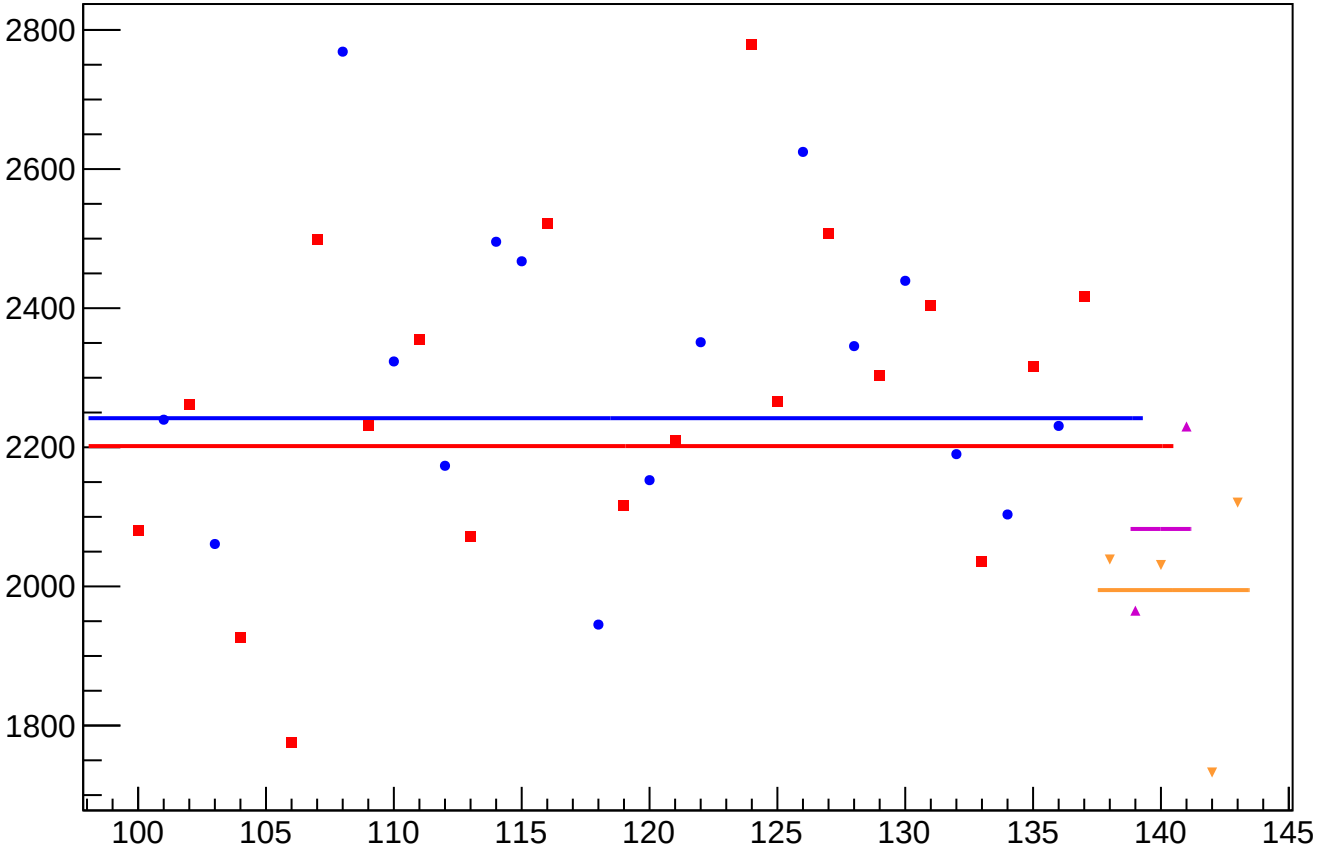
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 10.239+/-0.742 χ^2/NDF:323.3/17

Out: 6.367+/-0.668 χ^2/NDF:135.0/22

All: 8.100+/-0.496 χ^2/NDF: 473.4/40

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 1994.718+/-0.835 χ^2/NDF:27069.7/3

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: 2025.761+/-0.672 χ^2/NDF: 44527.5/5

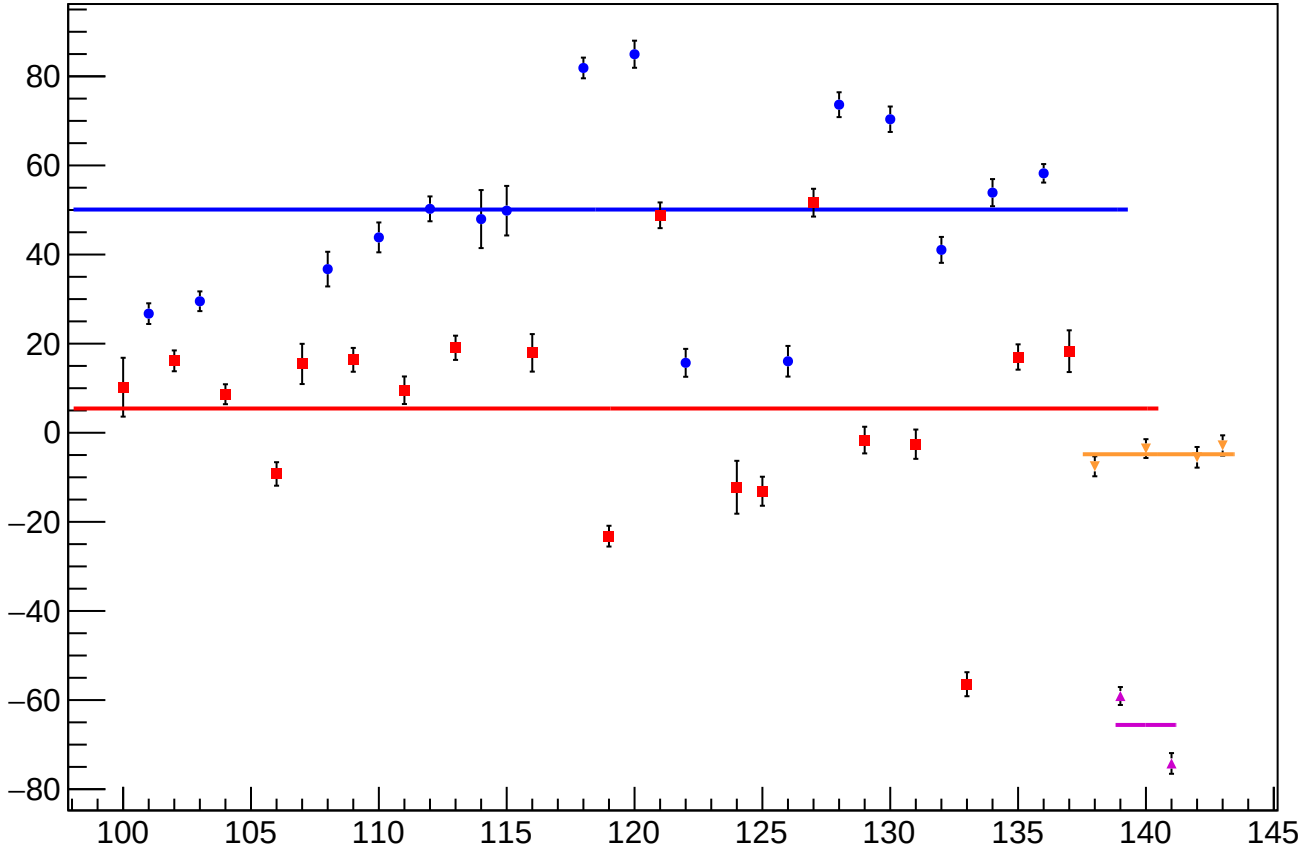
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2207.545+/-0.525 χ^2/NDF:131380.6/17

Out: 2135.596+/-0.472 χ^2/NDF:198764.9/22

All: 2167.789+/-0.351 χ^2/NDF: 340539.1/40

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -4.824+/-1.116 χ^2/NDF:2.7/3

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -65.580+/-1.523 χ^2/NDF:24.2/1

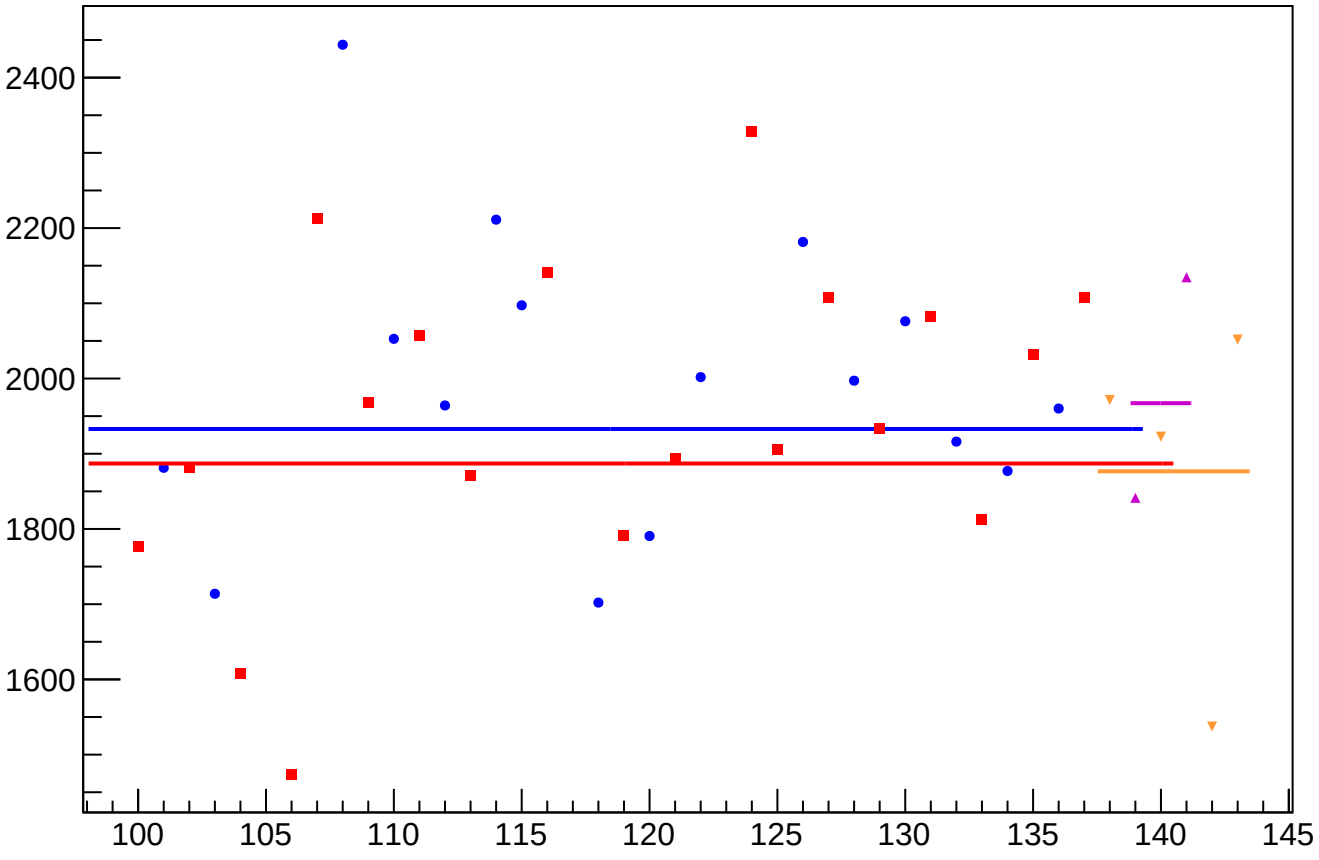
Left: -26.053+/-0.900 χ^2/NDF: 1062.6/5

Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 28.862+/-0.652 χ^2/NDF:5624.6/17

Out: 2.578+/-0.589 χ^2/NDF:1375.3/22

All: 14.391+/-0.437 χ^2/NDF: 7893.3/40



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1876.640+/-0.789 χ^2/NDF:59230.0/3

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: 1908.295+/-0.636 χ^2/NDF: 81992.8/5

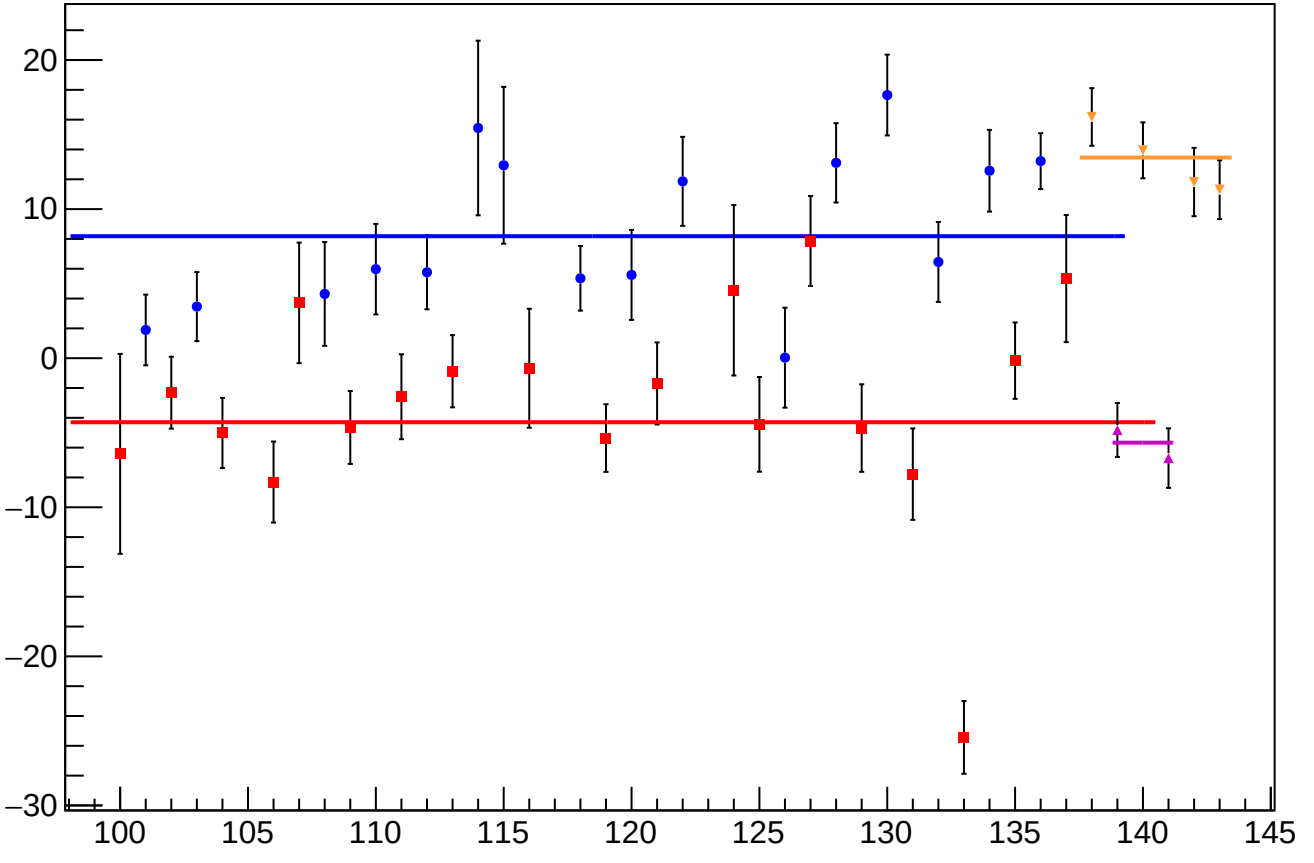
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1939.208+/-0.461 χ^2/NDF:124954.5/17

Out: 1884.113+/-0.417 χ^2/NDF:209100.9/22

All: 1908.874+/-0.309 χ^2/NDF: 341906.8/40

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.458+/-1.001 χ^2/NDF:3.8/3

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: 6.615+/-0.802 χ^2/NDF: 134.9/5

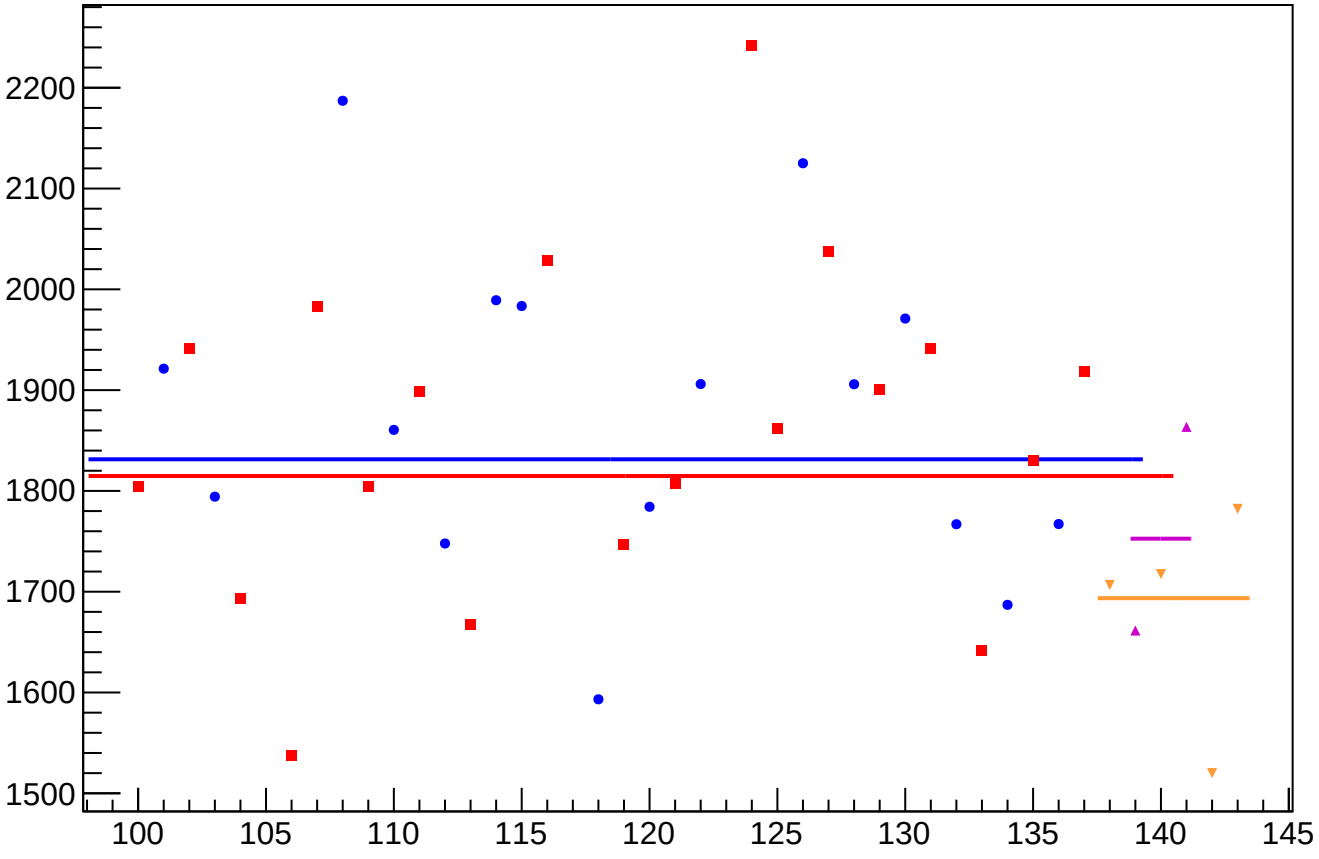
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.326+/-0.609 χ^2/NDF:137.1/17

Out: 1.146+/-0.554 χ^2/NDF:335.9/22

All: 3.040+/-0.410 χ^2/NDF: 498.8/40

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1693.575+/-0.708 χ^2/NDF:15924.3/3

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: 1714.695+/-0.567 χ^2/NDF: 29656.9/5

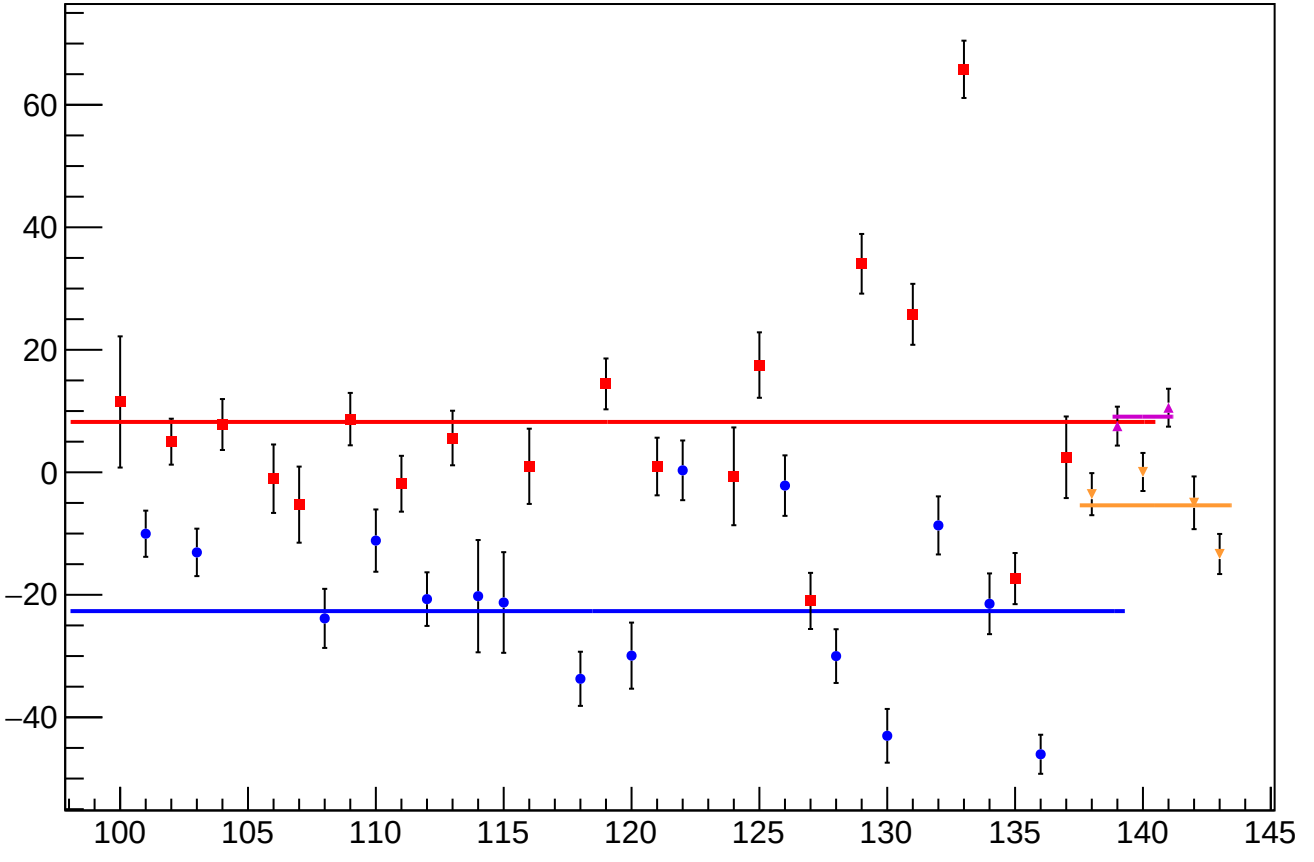
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1815.114+/-0.431 χ^2/NDF:103638.7/17

Out: 1777.618+/-0.392 χ^2/NDF:127001.1/22

All: 1794.602+/-0.290 χ^2/NDF: 234787.4/40

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -5.391+/-1.726 χ^2/NDF:9.2/3

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: 0.071+/-1.362 χ^2/NDF: 36.2/5

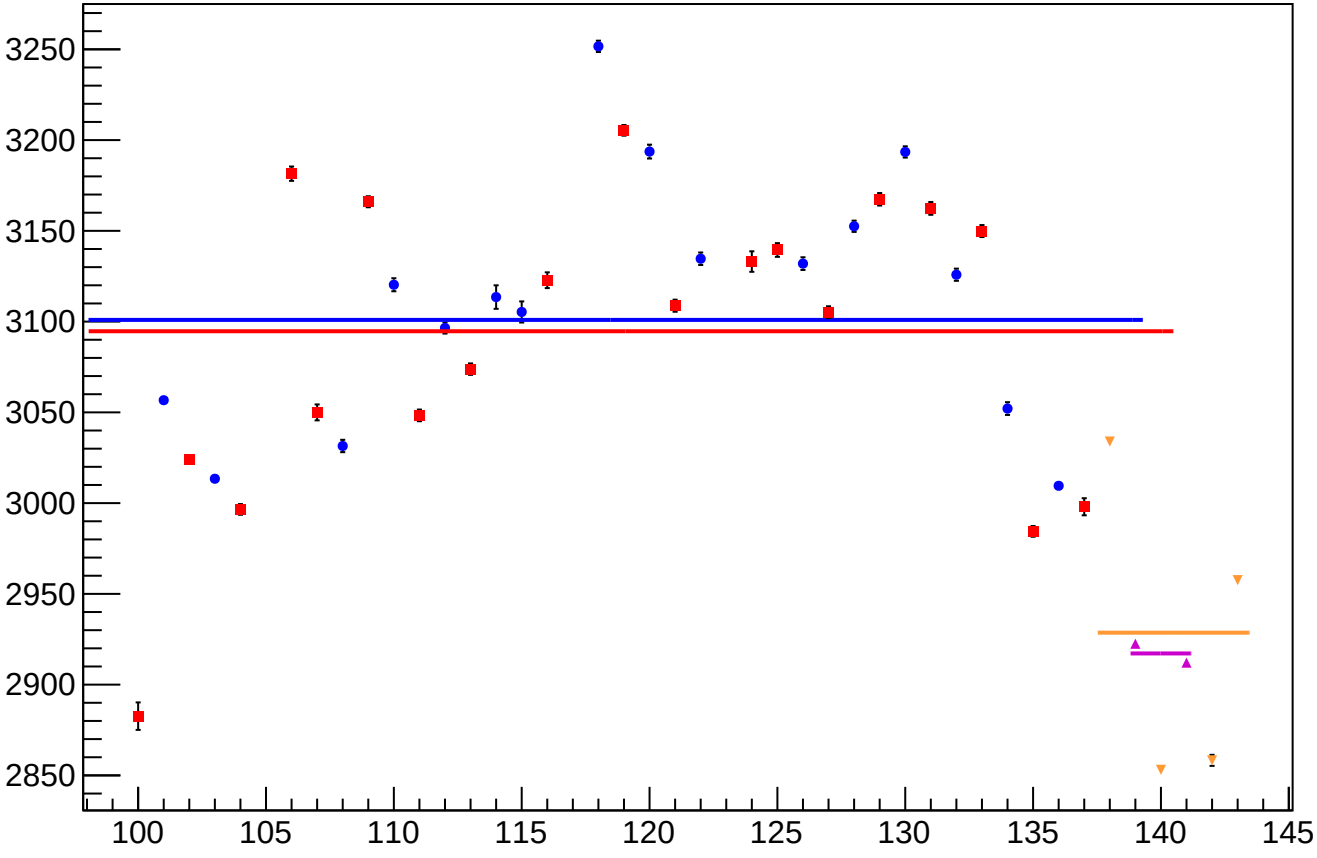
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -15.916+/-1.022 χ^2/NDF:319.1/17

Out: 4.146+/-0.945 χ^2/NDF:347.6/22

All: -5.096+/-0.694 χ^2/NDF: 874.4/40

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2928.629+/-1.221 χ^2/NDF:3752.5/3

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: 2924.311+/-0.963 χ^2/NDF: 3796.7/5

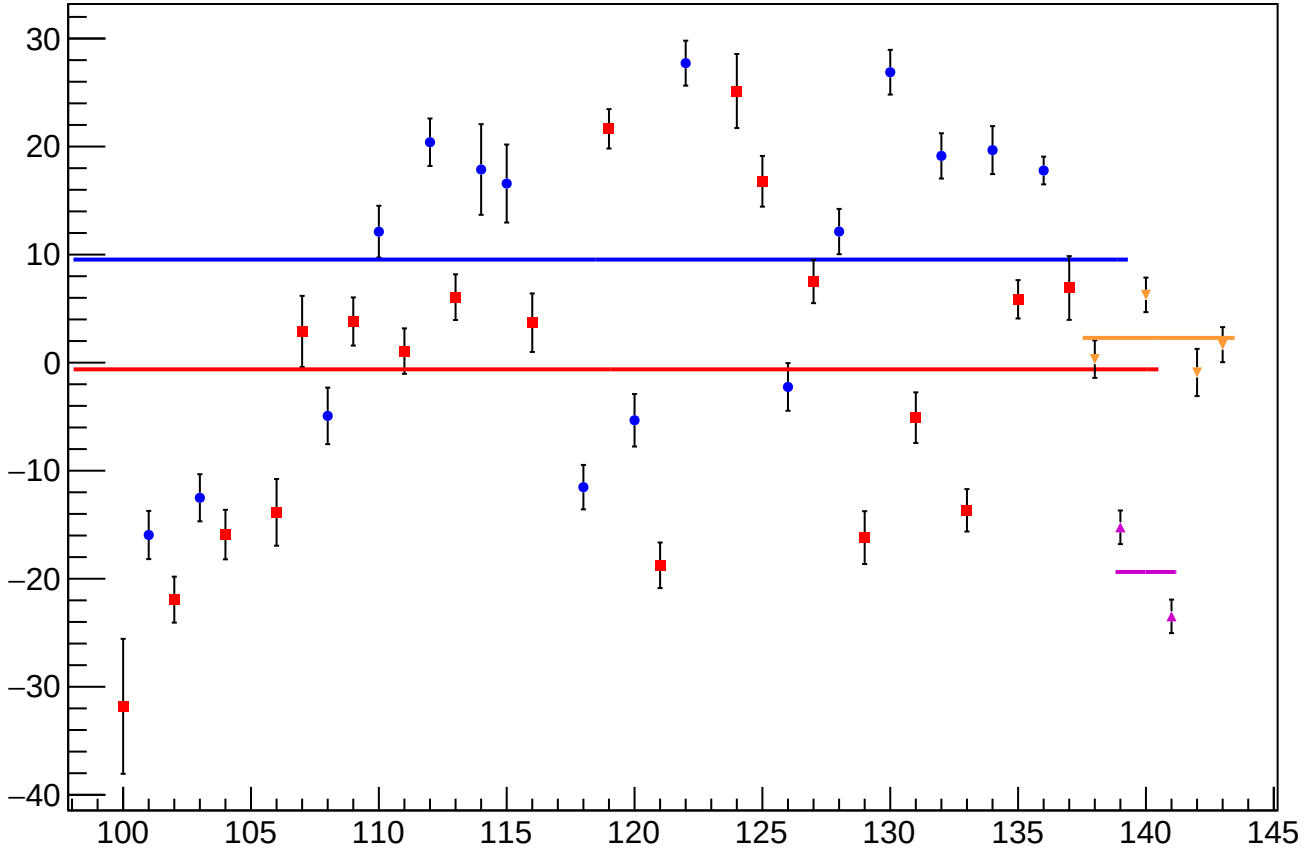
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3061.888+/-0.723 χ^2/NDF:18720.6/17

Out: 3044.951+/-0.668 χ^2/NDF:25301.1/22

All: 3052.753+/-0.491 χ^2/NDF: 44317.8/40

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 2.293+/-0.873 χ^2/NDF:9.8/3

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -19.373+/-1.099 χ^2/NDF:14.1/1

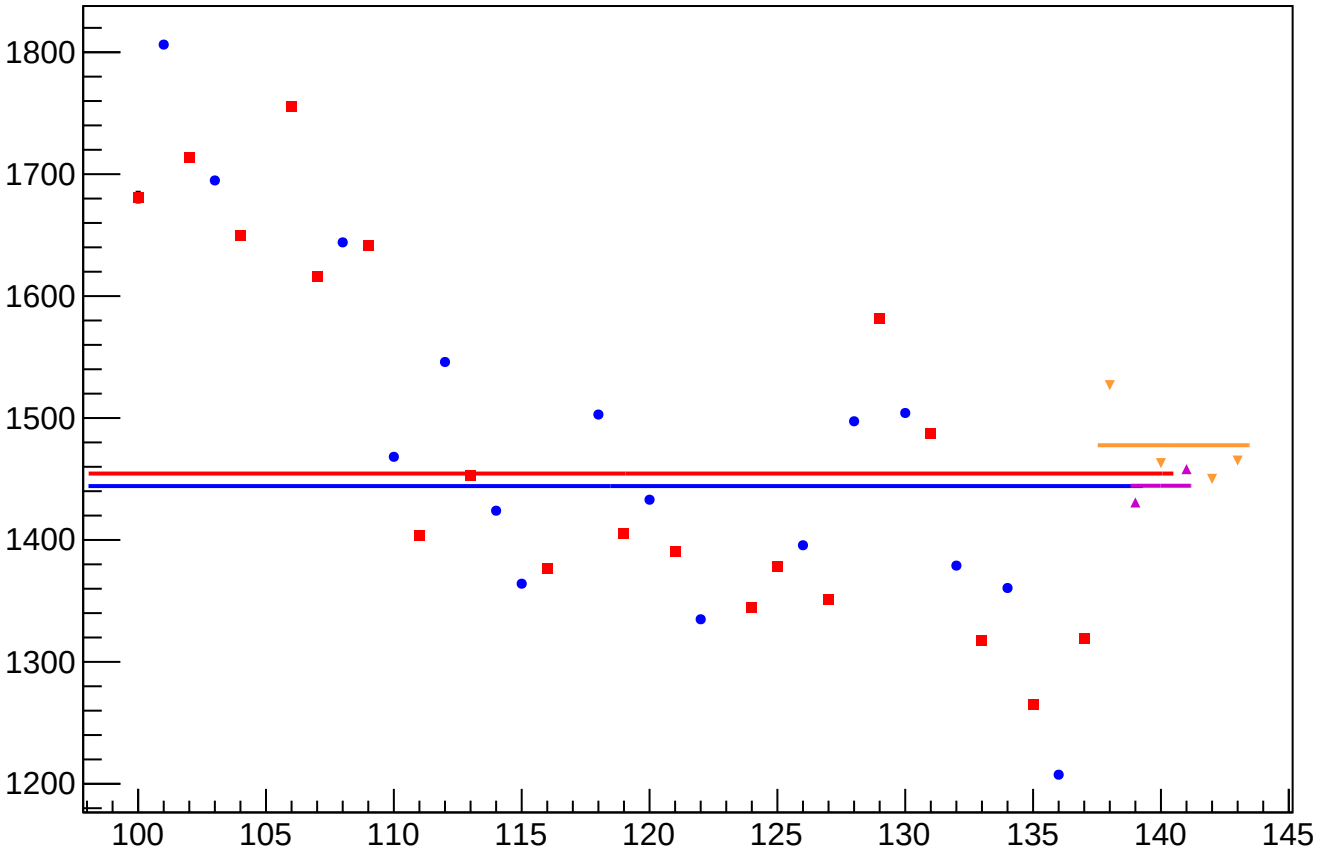
Left: -6.091+/-0.684 χ^2/NDF: 262.2/5

Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 3.894+/-0.486 χ^2/NDF:1269.9/17

Out: 0.174+/-0.456 χ^2/NDF:683.7/22

All: 1.916+/-0.332 χ^2/NDF: 1984.9/40



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1477.683+/-0.617 χ^2/NDF:2214.6/3

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: 1464.833+/-0.483 χ^2/NDF: 3643.6/5

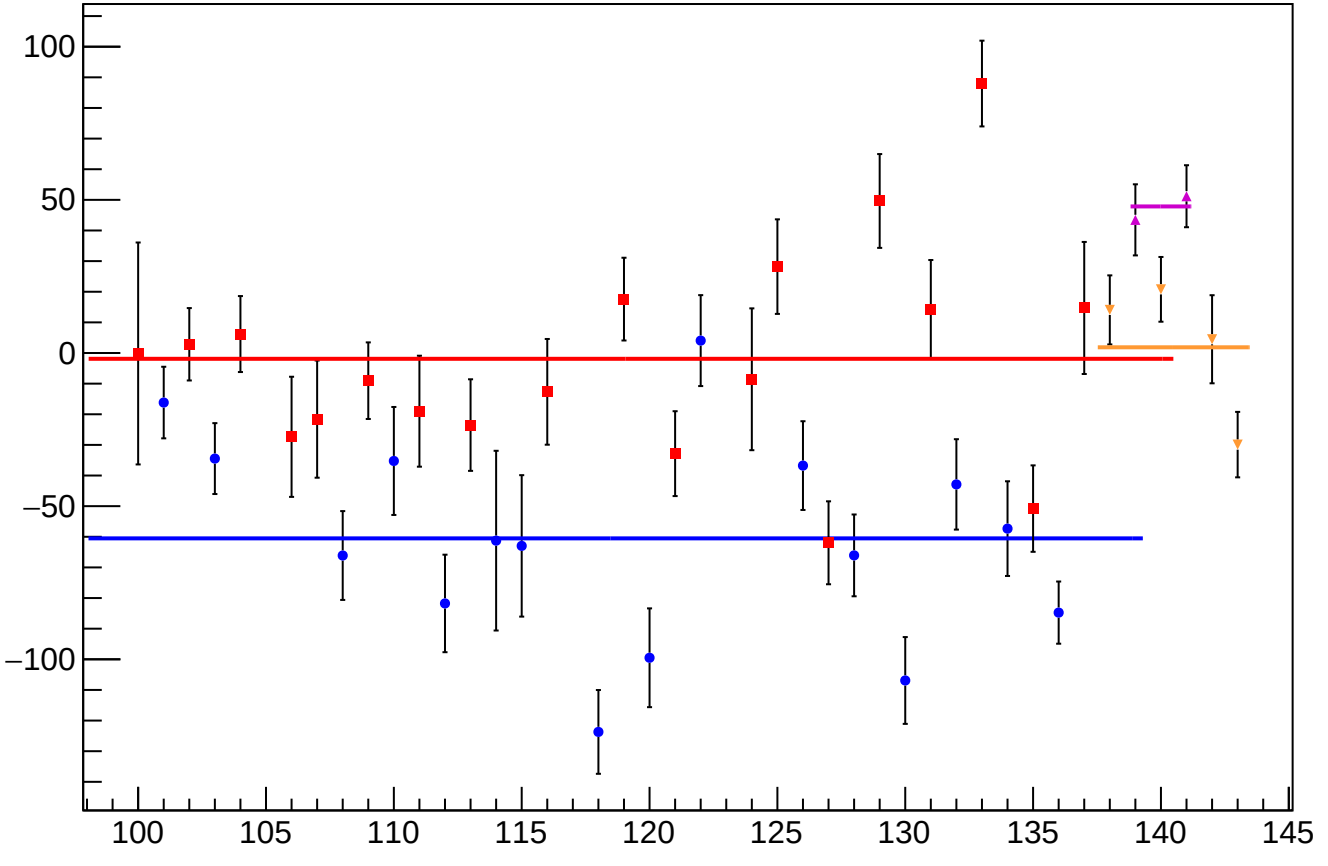
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1444.244+/-0.343 χ^2/NDF:180457.2/17

Out: 1460.792+/-0.322 χ^2/NDF:146016.4/22

All: 1453.045+/-0.235 χ^2/NDF: 327708.9/40

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 1.863+/-5.734 χ^2/NDF:13.3/3

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: 18.466+/-4.583 χ^2/NDF: 36.7/5

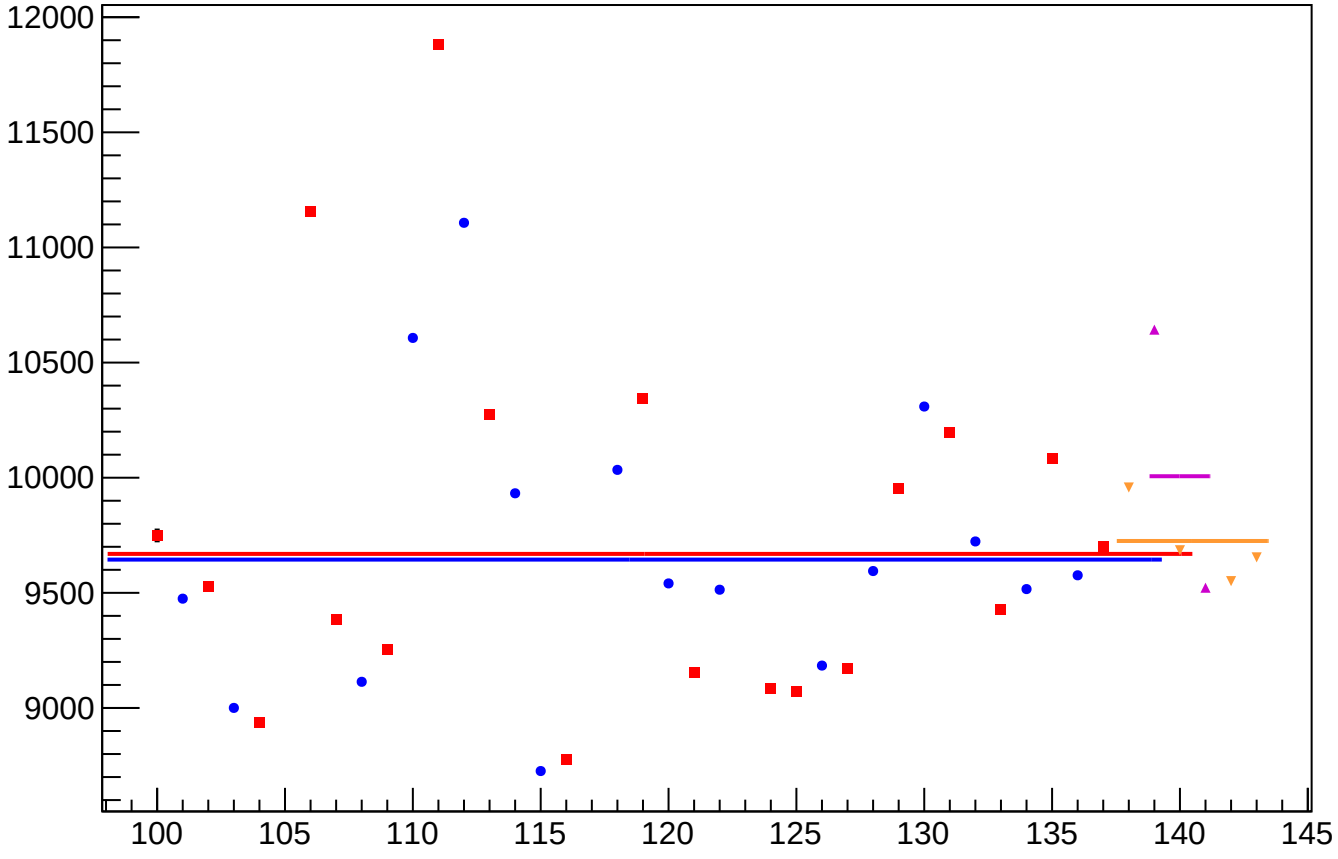
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -40.811+/-3.253 χ^2/NDF:255.7/17

Out: -0.856+/-3.014 χ^2/NDF:117.4/22

All: -19.312+/-2.211 χ^2/NDF: 454.3/40

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9725.252+/-4.054 χ^2/NDF:1261.4/3

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: 9826.772+/-3.241 χ^2/NDF: 13590.5/5

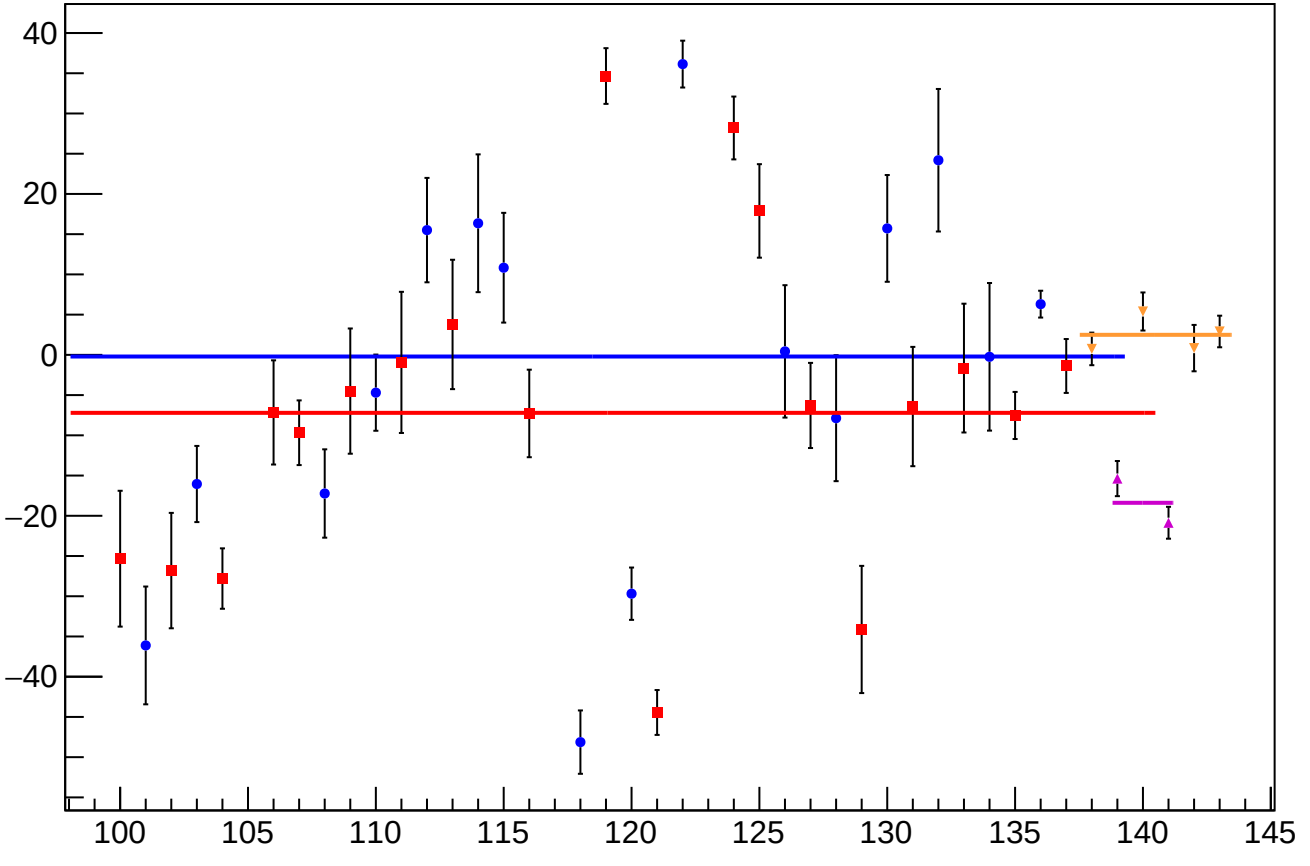
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9710.232+/-2.300 χ^2/NDF:58380.2/17

Out: 9684.641+/-2.131 χ^2/NDF:81278.1/22

All: 9696.462+/-1.563 χ^2/NDF: 139724.9/40

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 2.491+/-1.116 χ^2/NDF:2.6/3

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -18.387+/-1.468 χ^2/NDF:3.5/1

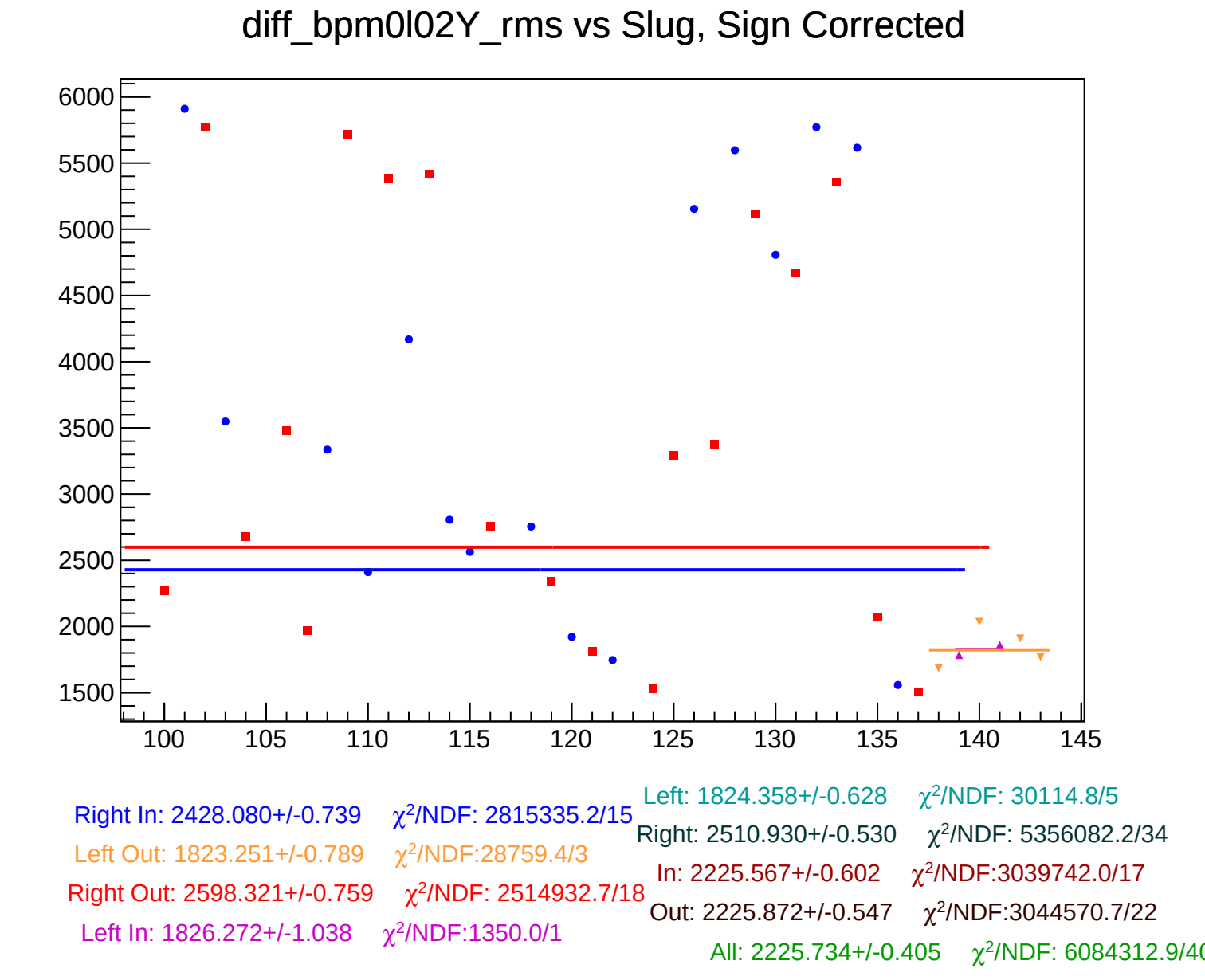
Left: -5.159+/-0.889 χ^2/NDF: 134.3/5

Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

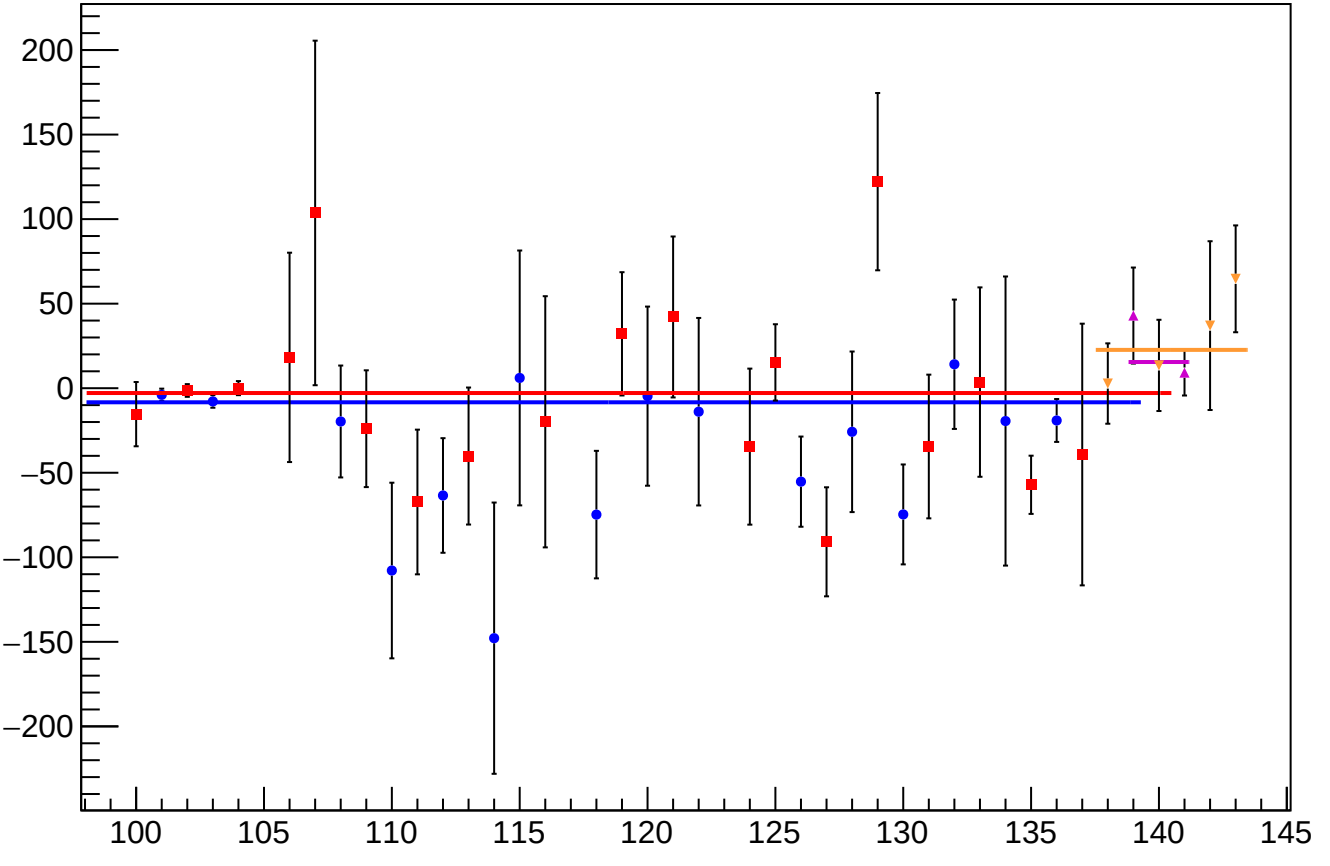
In: -6.324+/-0.851 χ^2/NDF:579.0/17

Out: -2.546+/-0.774 χ^2/NDF:527.5/22

All: -4.255+/-0.573 χ^2/NDF: 1117.2/40


diff_bpm0l02Y_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
105
110
115
120
125
130
135
140
145
Right In: 2428.080+/-0.739 χ²/NDF: 2815335.2/15
Left Out: 1823.251+/-0.789 χ²/NDF:28759.4/3
Right Out: 2598.321+/-0.759 χ²/NDF: 2514932.7/18
Left In: 1826.272+/-1.038 χ²/NDF:1350.0/1
Left: 1824.358+/-0.628 χ²/NDF: 30114.8/5
Right: 2510.930+/-0.530 χ²/NDF: 5356082.2/34
In: 2225.567+/-0.602 χ²/NDF:3039742.0/17
Out: 2225.872+/-0.547 χ²/NDF:3044570.7/22
All: 2225.734+/-0.405 χ²/NDF: 6084312.9/40

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 22.663+/-14.829 χ^2/NDF:2.7/3

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: 18.393+/-9.435 χ^2/NDF: 4.0/5

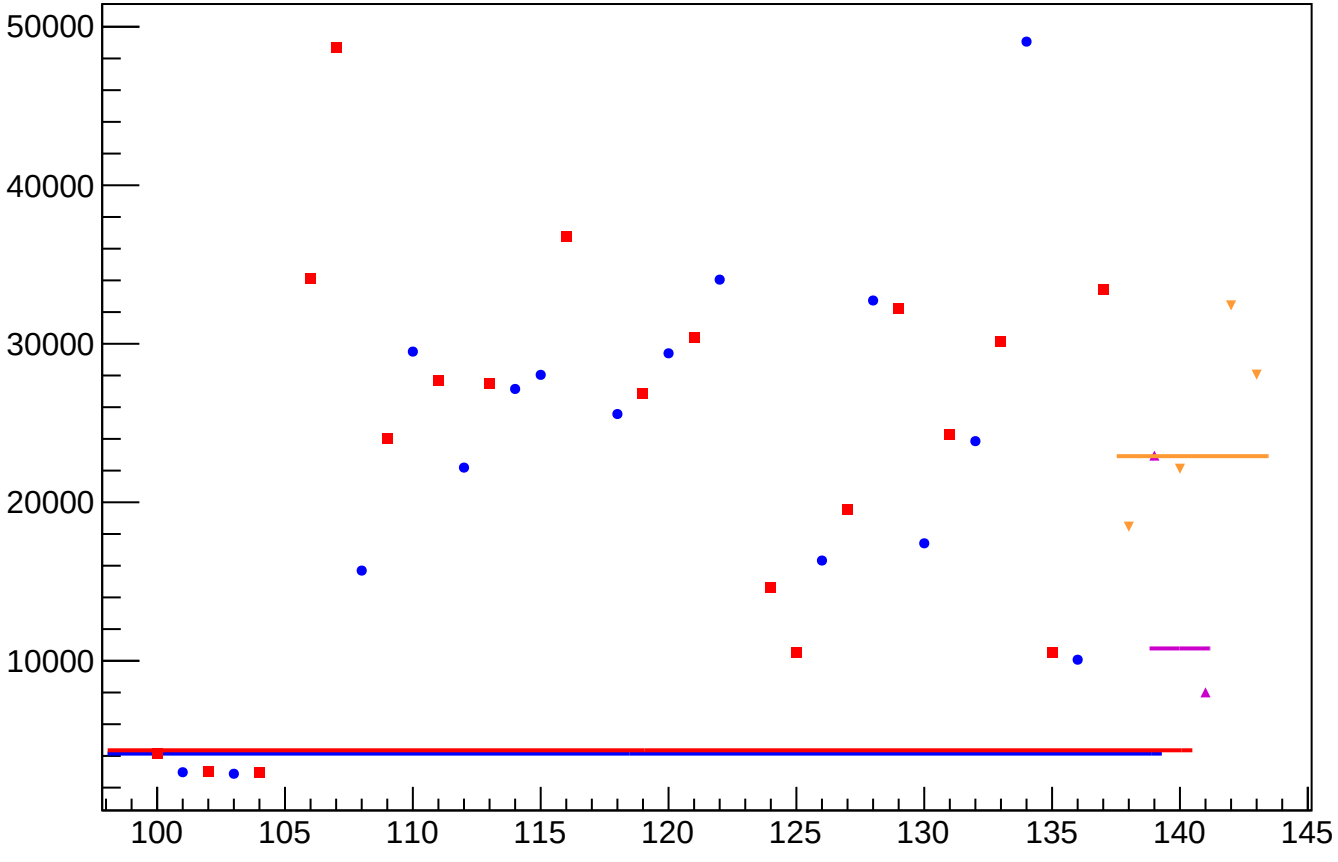
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.377+/-2.449 χ^2/NDF:28.2/17

Out: -2.065+/-2.599 χ^2/NDF:38.2/22

All: -4.879+/-1.782 χ^2/NDF: 68.6/40

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22910.585+/-10.486 χ^2/NDF:197382.1/3

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: 15690.705+/-6.671 χ^2/NDF: 1444647.9/5

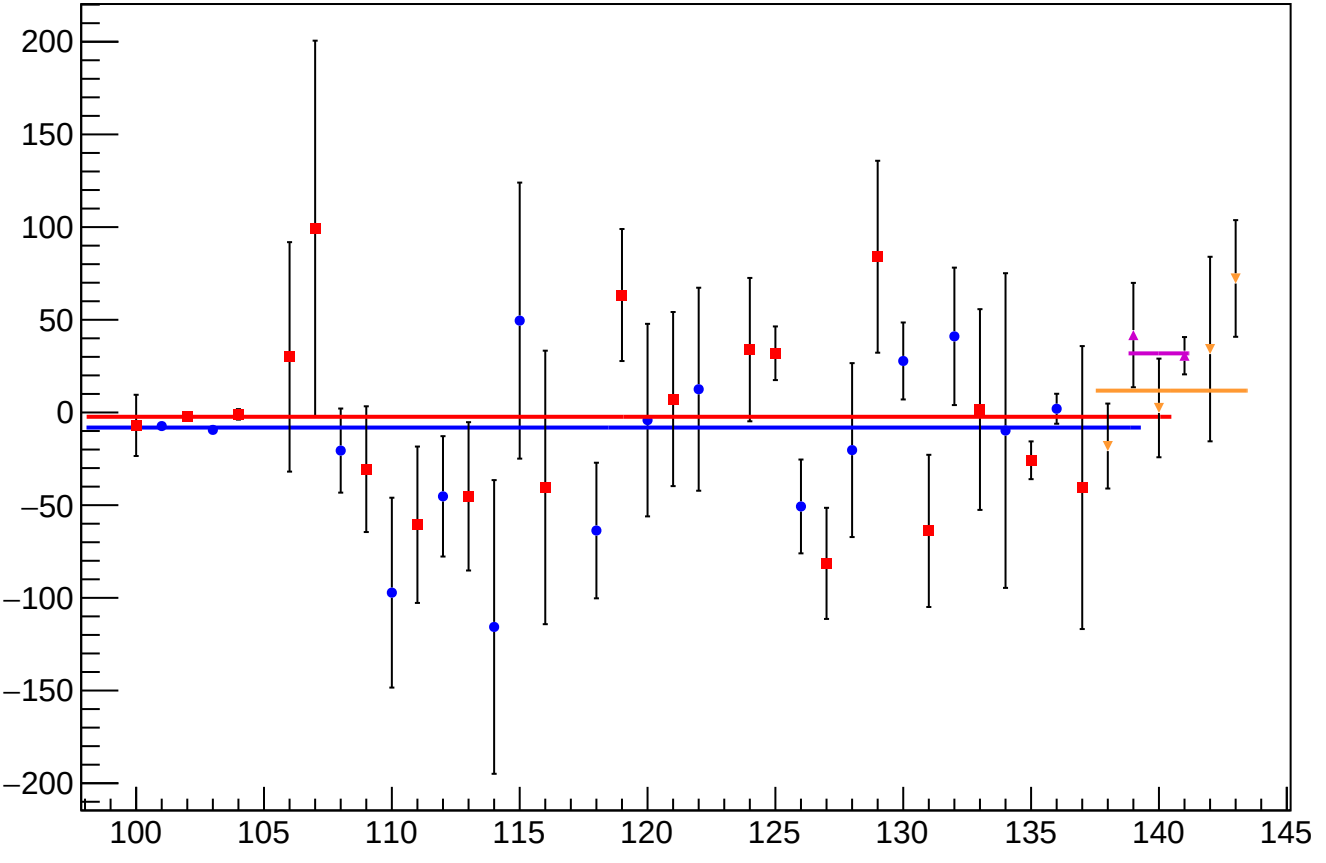
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4411.792+/-1.732 χ^2/NDF:7852632.5/17

Out: 4924.333+/-1.838 χ^2/NDF:10857775.6/22

All: 4652.849+/-1.260 χ^2/NDF: 18751616.5/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 11.785+/-14.539 χ^2/NDF:5.7/3

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 31.883+/-9.477 χ^2/NDF:0.1/1

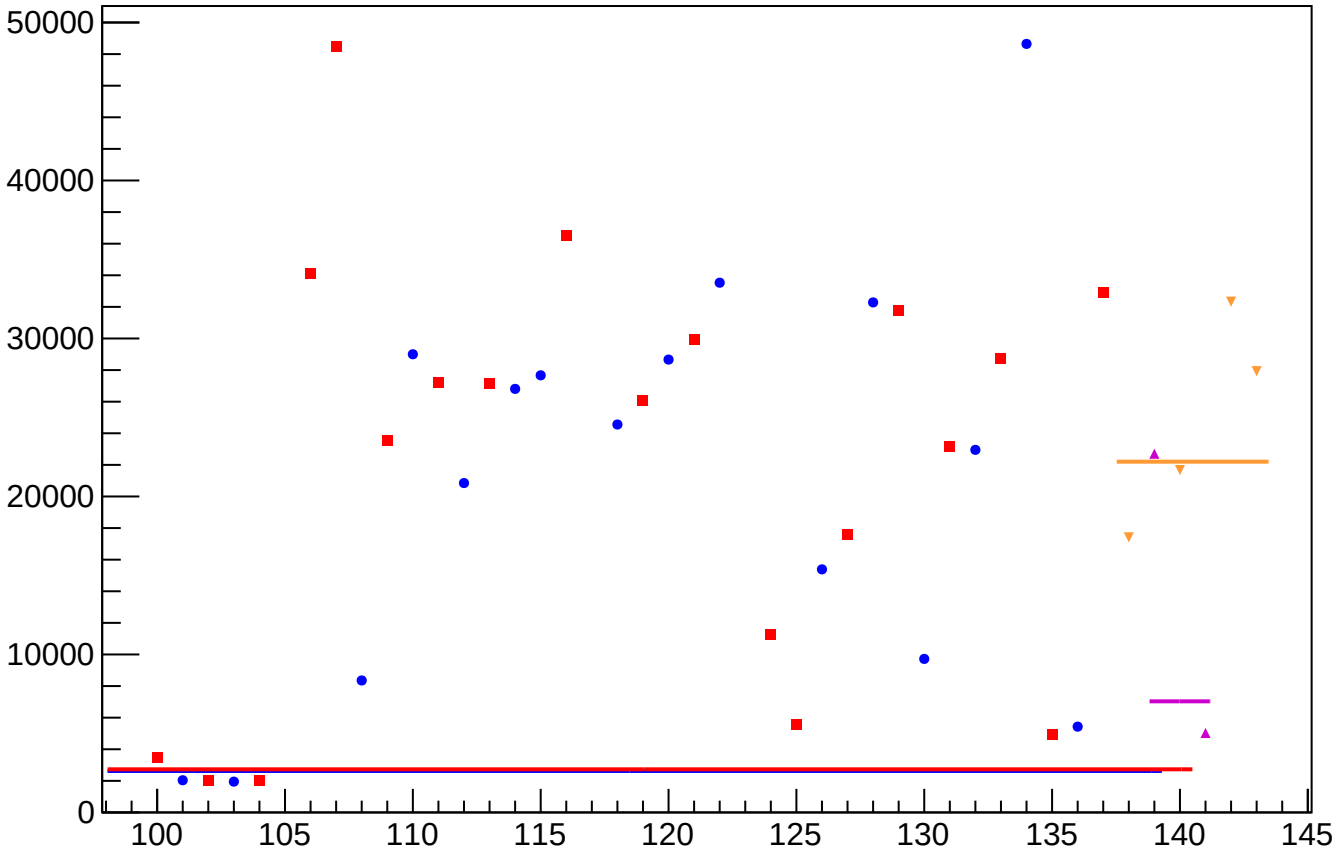
Left: 25.890+/-7.939 χ^2/NDF: 7.2/5

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.856+/-1.693 χ^2/NDF:36.5/17

Out: -2.107+/-1.808 χ^2/NDF:39.7/22

All: -4.637+/-1.236 χ^2/NDF: 79.9/40



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22201.959+/-10.280 χ^2/NDF:237204.5/3

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: 11556.596+/-5.614 χ^2/NDF: 2463690.9/5

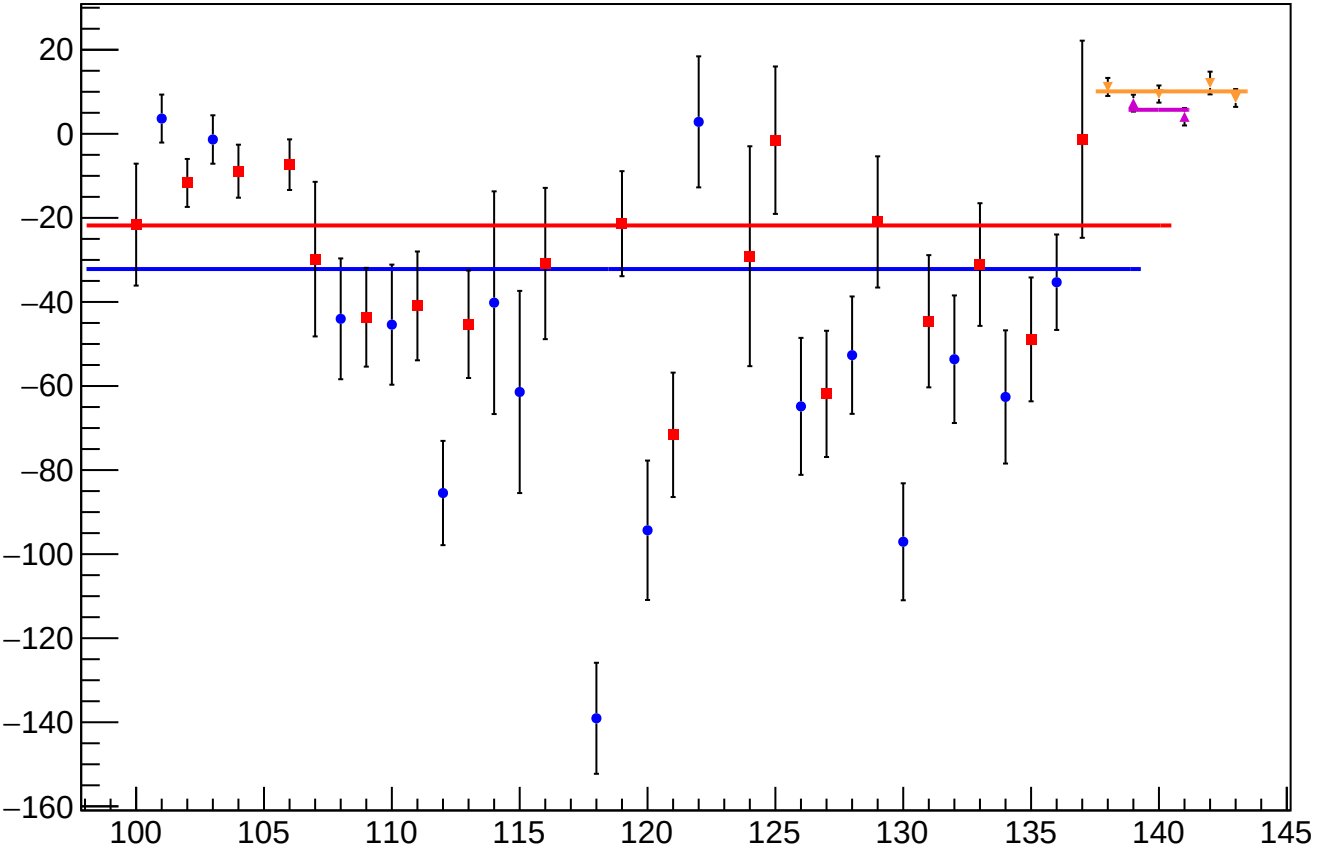
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2767.036+/-1.197 χ^2/NDF:7898273.2/17

Out: 3031.202+/-1.278 χ^2/NDF:11755170.1/22

All: 2890.464+/-0.874 χ^2/NDF: 19676202.0/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.098+/-1.106 χ^2/NDF:1.4/3

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: 8.479+/-0.878 χ^2/NDF: 8.5/5

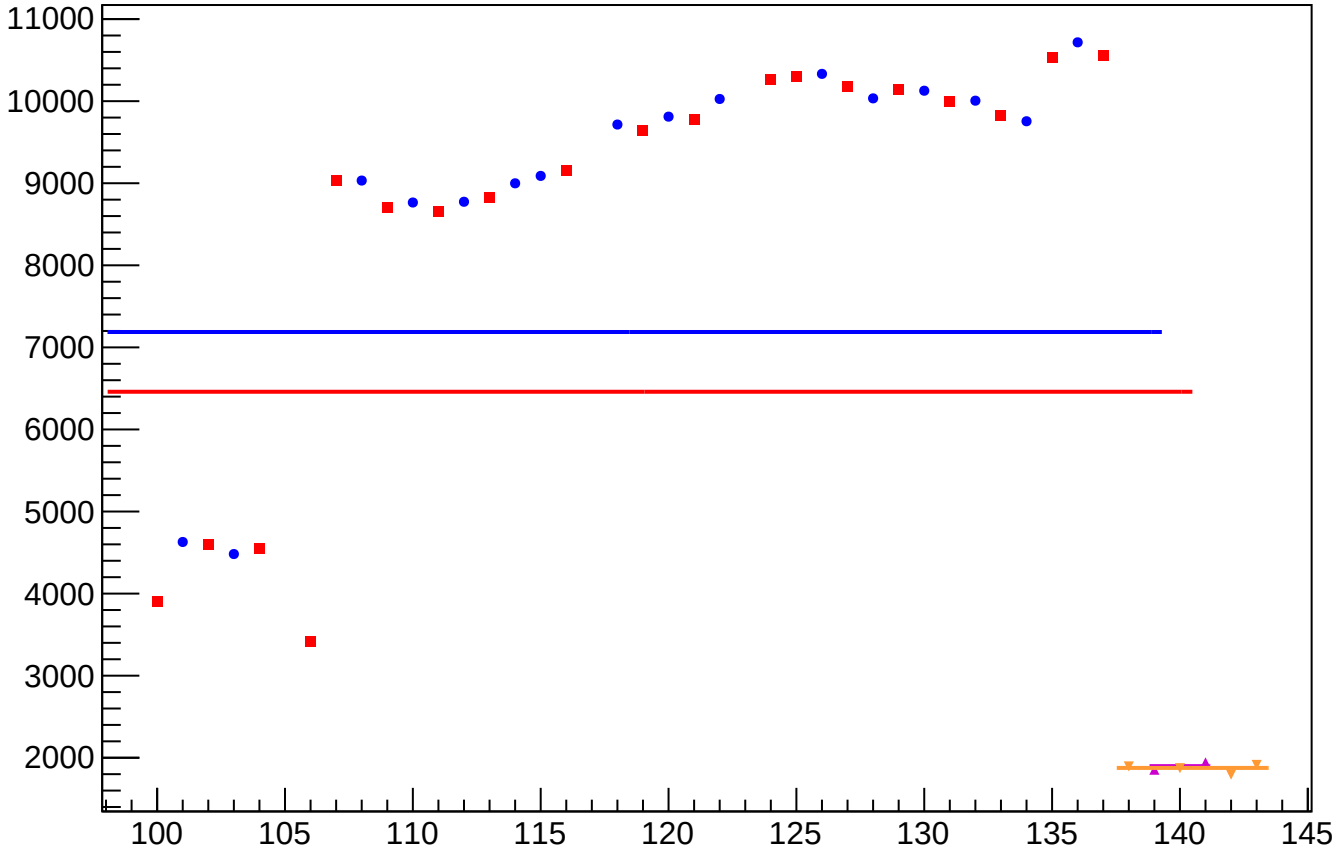
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: -2.057+/-1.287 χ^2/NDF:350.3/17

Out: 5.069+/-1.015 χ^2/NDF:181.6/22

All: 2.336+/-0.797 χ^2/NDF: 550.8/40

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1875.980+/-0.782 χ^2/NDF:2571.3/3

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1897.999+/-1.021 χ^2/NDF:1914.7/1

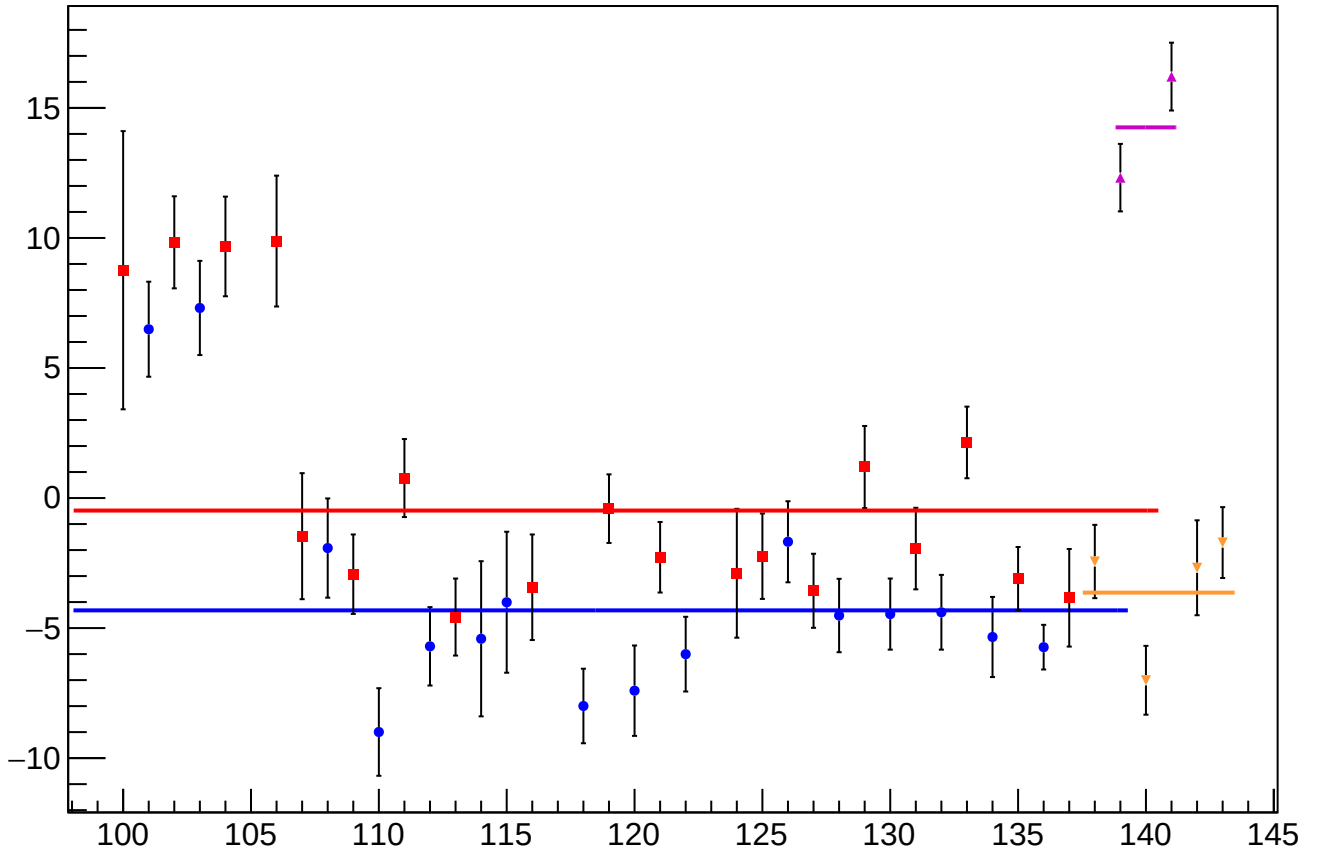
Left: 1884.124+/-0.621 χ^2/NDF: 4779.0/5

Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2983.655+/-0.910 χ^2/NDF:7214685.2/17

Out: 2598.564+/-0.718 χ^2/NDF:7690343.2/22

All: 2746.243+/-0.564 χ^2/NDF: 15015343.2/4



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.636+/-0.723 χ^2/NDF:9.5/3

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: 3.193+/-0.568 χ^2/NDF: 247.7/5

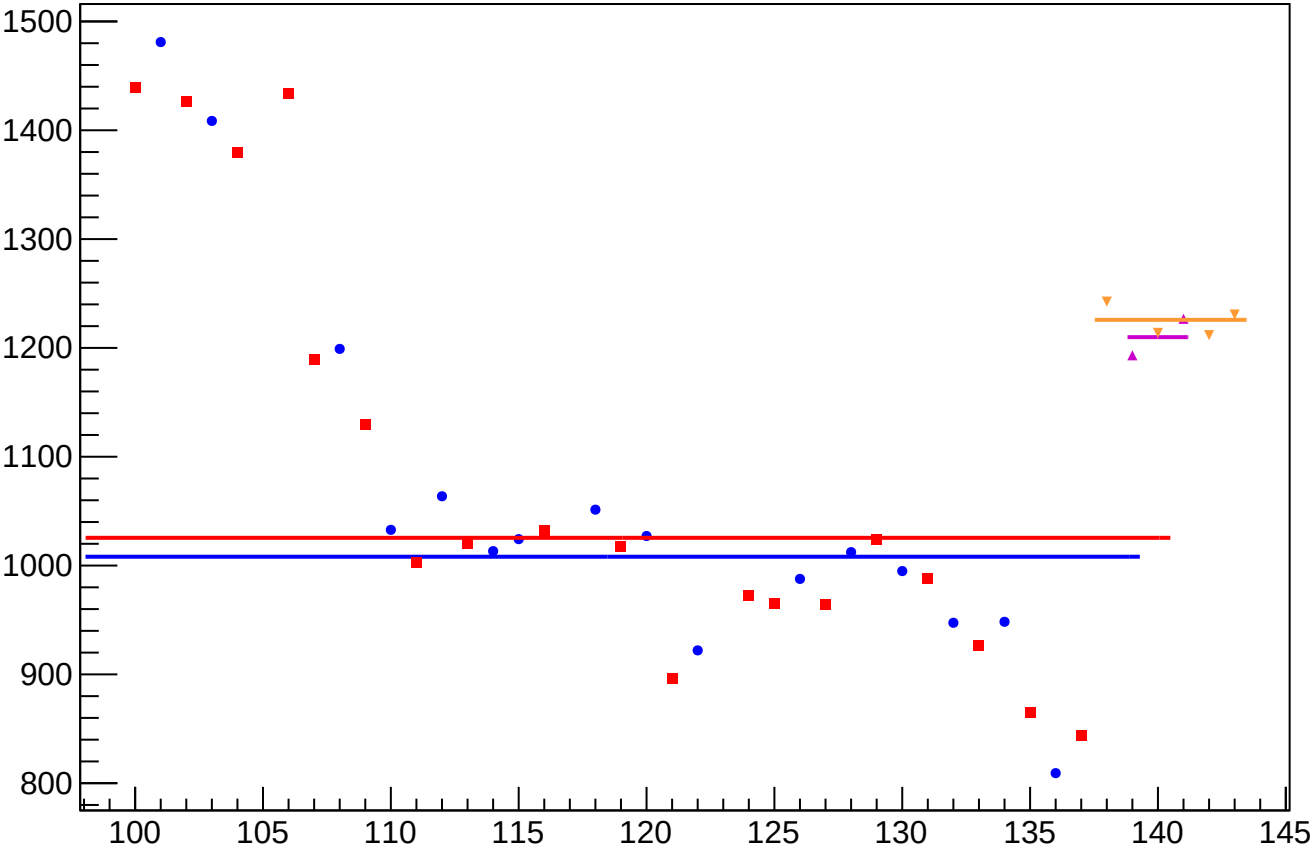
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -1.615+/-0.351 χ^2/NDF:456.3/17

Out: -1.160+/-0.335 χ^2/NDF:141.6/22

All: -1.377+/-0.243 χ^2/NDF: 598.8/40

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1225.803+/-0.511 χ^2/NDF:590.4/3

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: 1219.730+/-0.402 χ^2/NDF: 1624.7/5

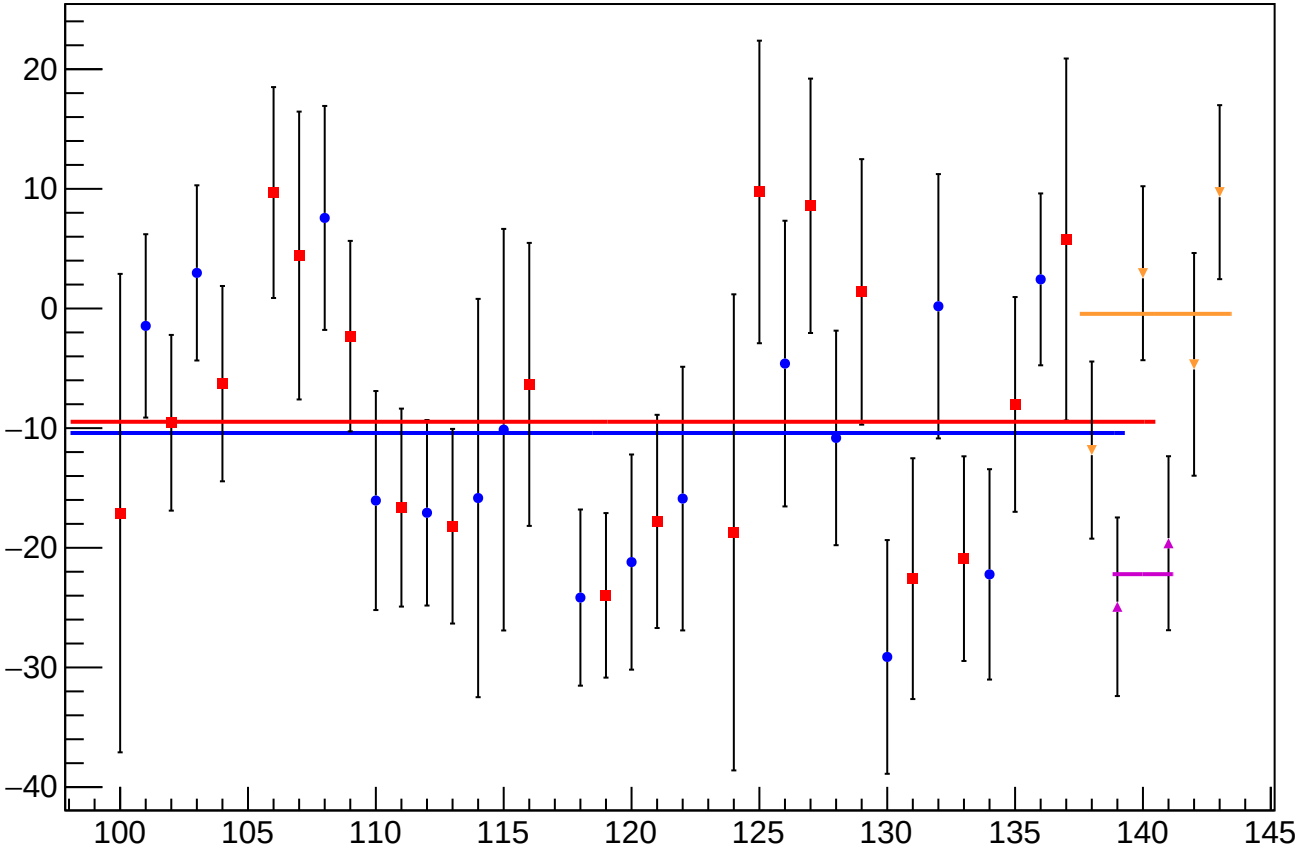
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1037.491+/-0.248 χ^2/NDF:461708.6/17

Out: 1068.609+/-0.237 χ^2/NDF:467075.8/22

All: 1053.756+/-0.171 χ^2/NDF: 937000.2/40

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.446+/-3.845 χ^2/NDF:4.7/3

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -22.203+/-5.208 χ^2/NDF:0.3/1

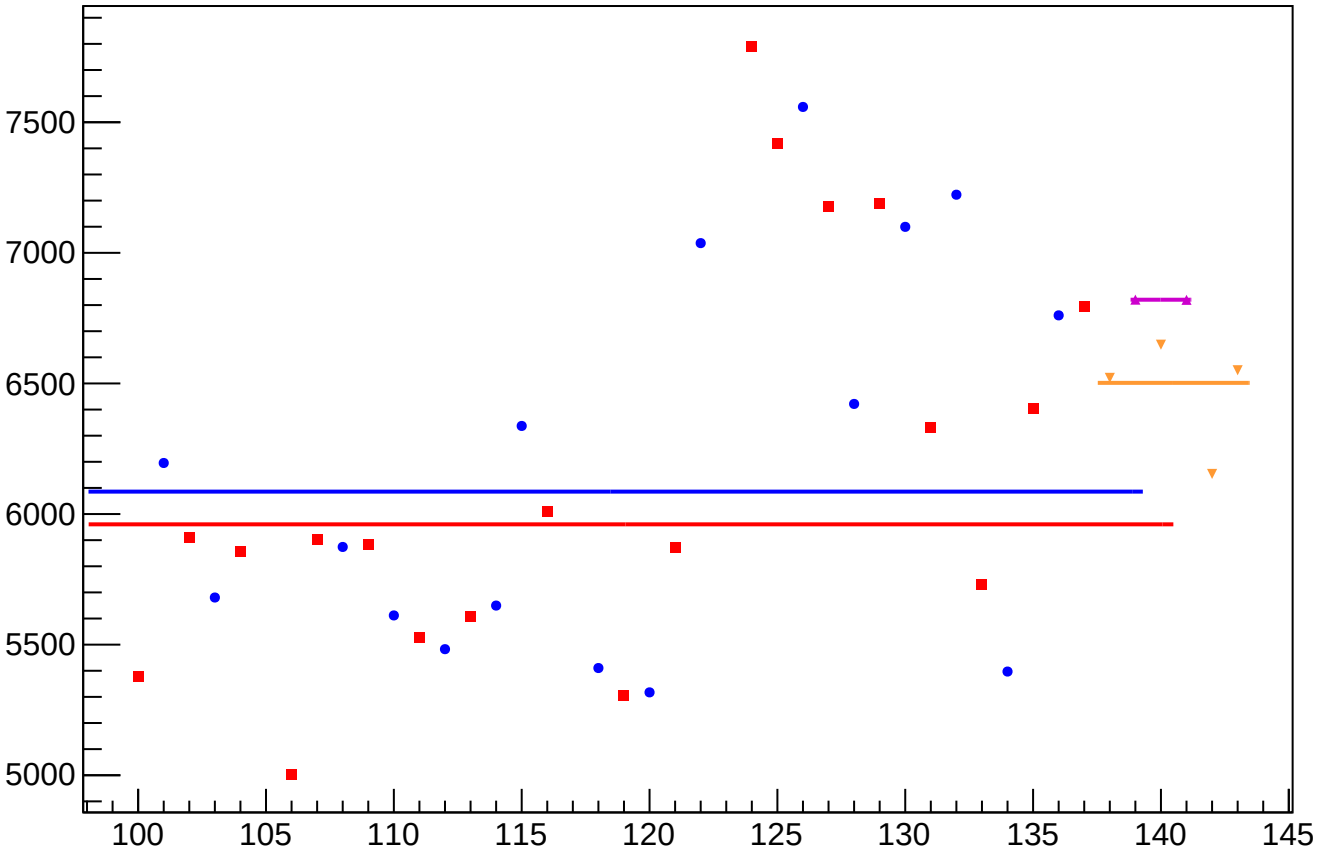
Left: -8.122+/-3.093 χ^2/NDF: 16.3/5

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.301+/-2.089 χ^2/NDF:29.2/17

Out: -7.256+/-1.904 χ^2/NDF:34.3/22

All: -9.545+/-1.407 χ^2/NDF: 66.6/40



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6502.230+/-2.719 χ^2/NDF:3716.4/3

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6820.527+/-3.683 χ^2/NDF:0.0/1

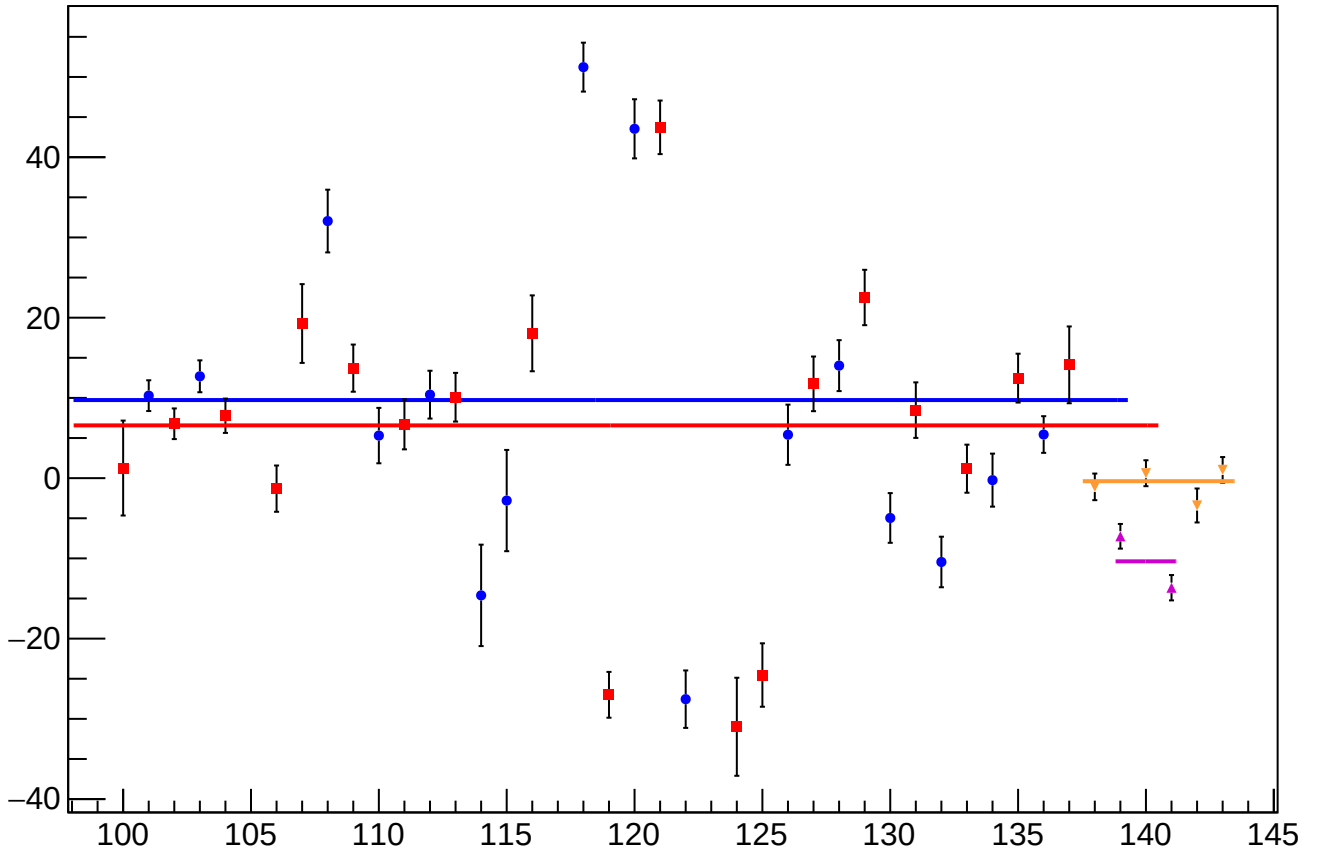
Left: 6614.527+/-2.187 χ^2/NDF: 8551.2/5

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6204.028+/-1.477 χ^2/NDF:212514.5/17

Out: 6093.349+/-1.346 χ^2/NDF:196443.8/22

All: 6143.570+/-0.995 χ^2/NDF: 412026.1/40



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: -0.377+/-0.857 χ^2/NDF:3.4/3

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: -4.138+/-0.676 χ^2/NDF: 63.1/5

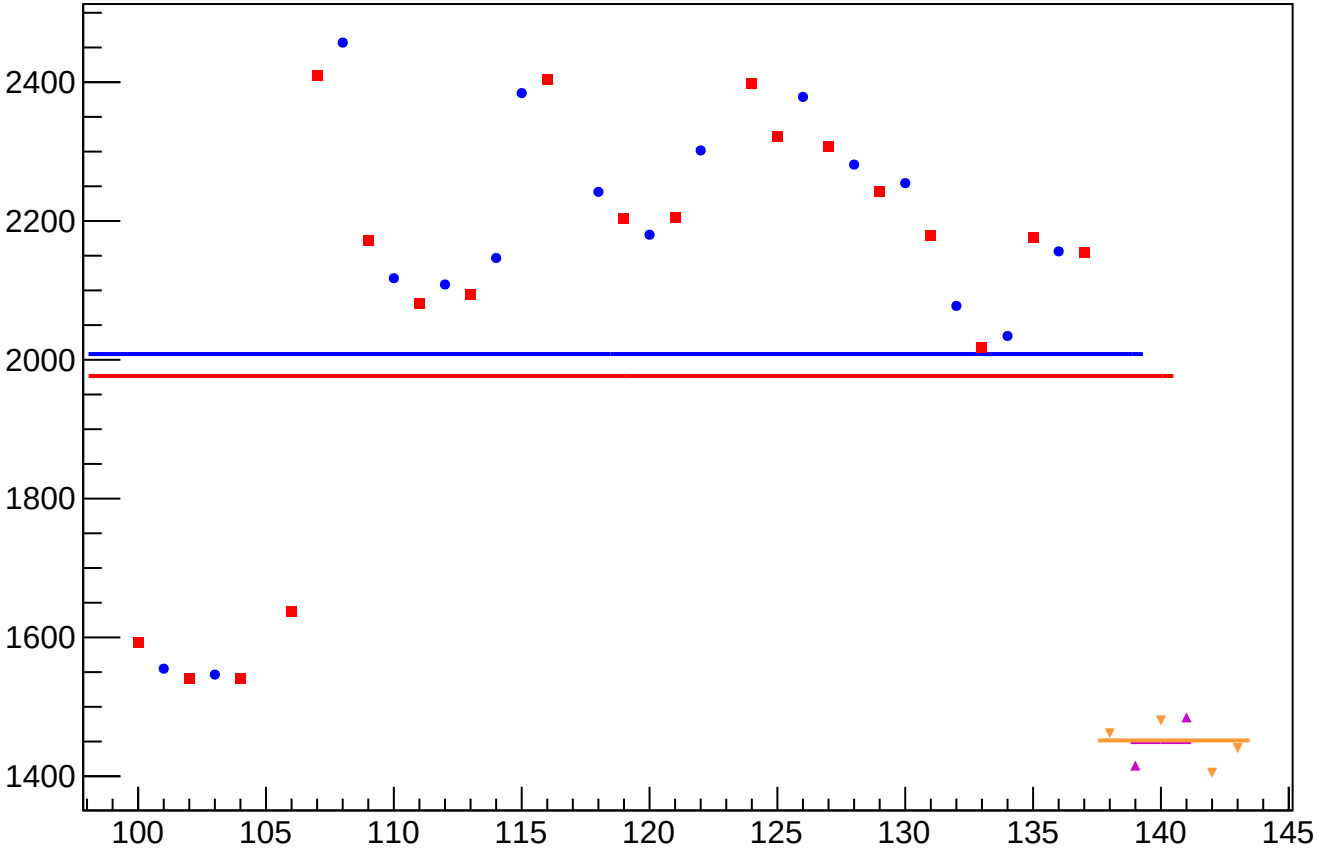
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 3.315+/-0.623 χ^2/NDF:747.2/17

Out: 3.649+/-0.556 χ^2/NDF:465.3/22

All: 3.501+/-0.415 χ^2/NDF: 1212.6/40

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1451.568+/-0.606 χ^2/NDF:1772.7/3

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: 1450.676+/-0.478 χ^2/NDF: 3758.3/5

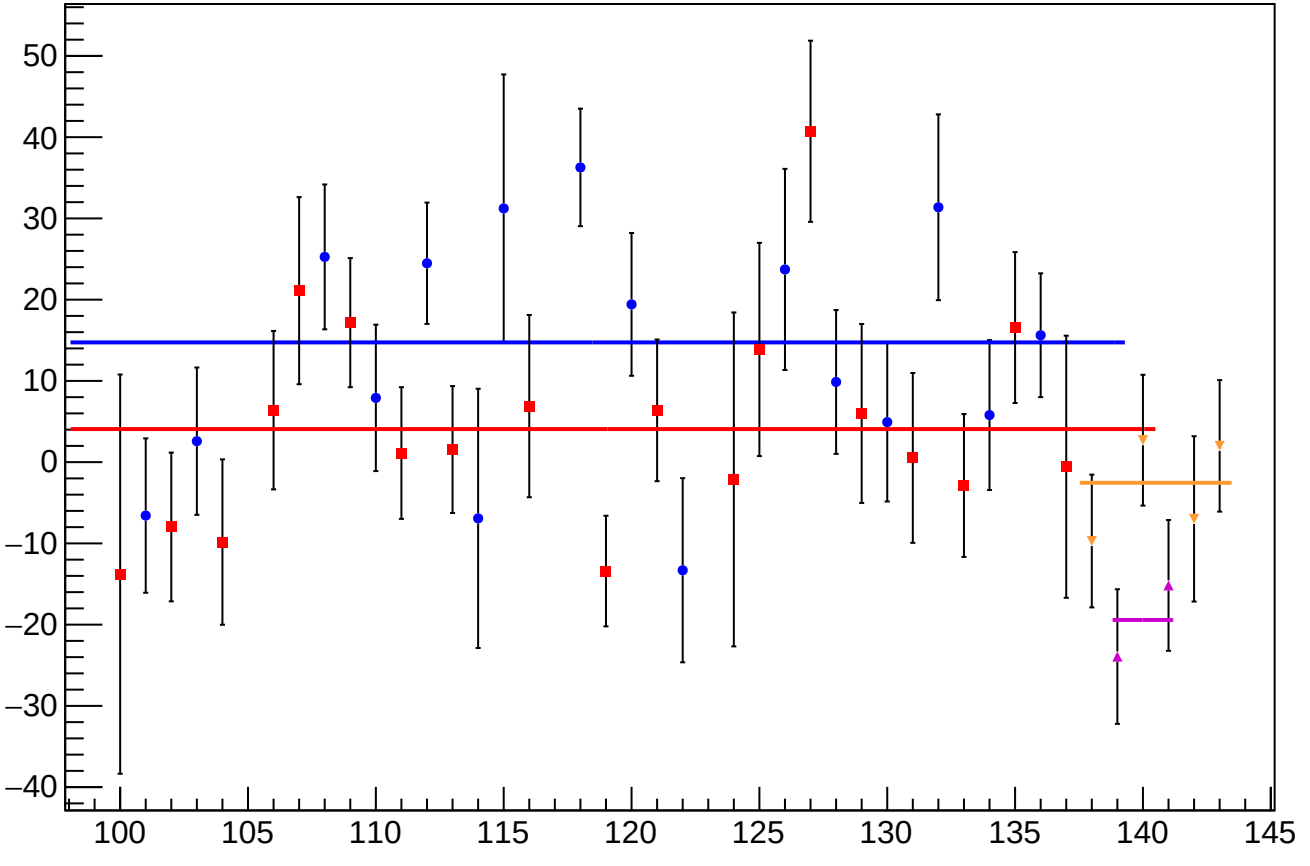
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1829.786+/-0.440 χ^2/NDF:696614.1/17

Out: 1755.627+/-0.393 χ^2/NDF:802392.0/22

All: 1788.497+/-0.293 χ^2/NDF: 1514791.5/40

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.541+/-4.252 χ^2/NDF:1.7/3

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: -8.475+/-3.424 χ^2/NDF: 7.8/5

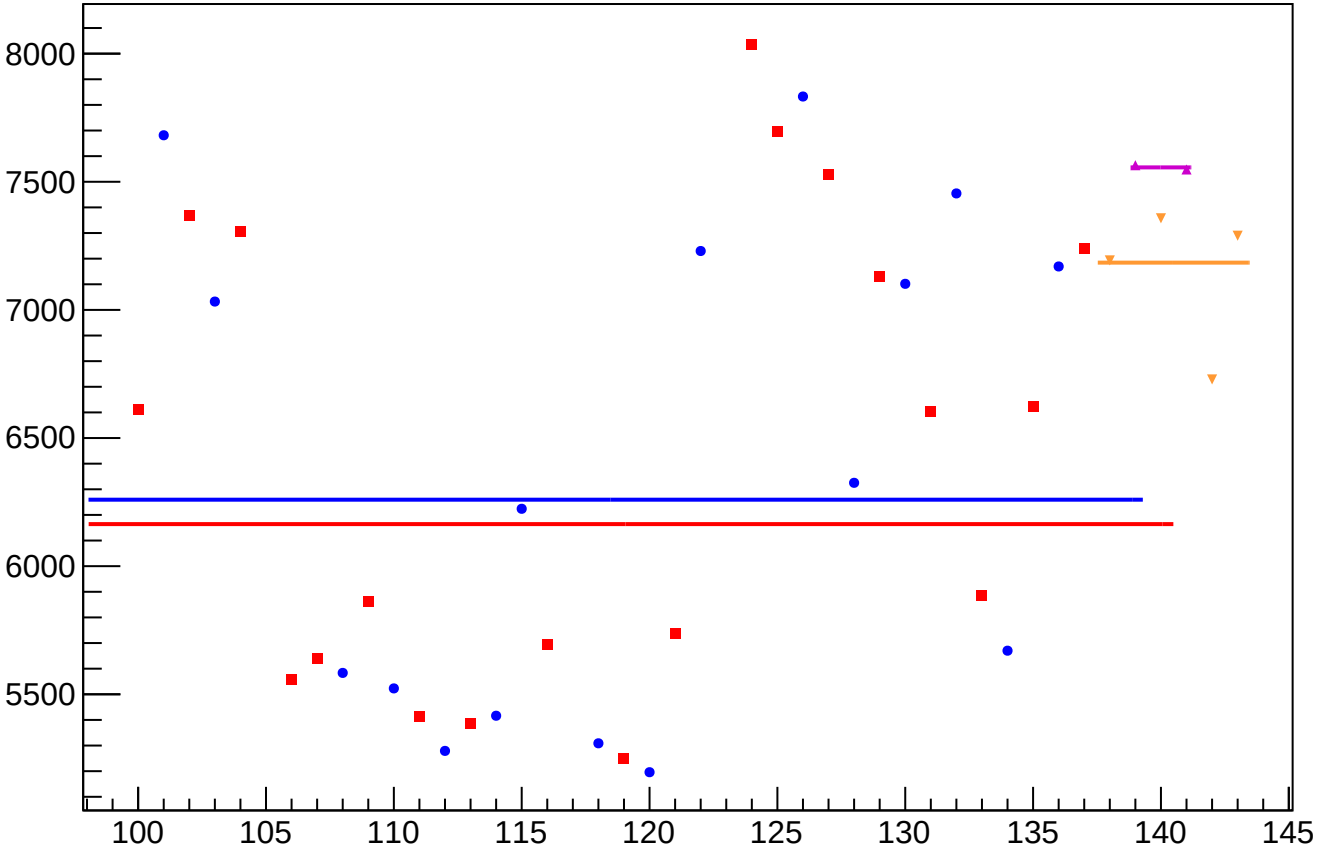
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 9.859+/-2.183 χ^2/NDF:64.1/17

Out: 2.601+/-2.005 χ^2/NDF:33.8/22

All: 5.923+/-1.477 χ^2/NDF: 103.8/40

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7184.491+/-3.006 χ^2/NDF:5274.6/3

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: 7315.129+/-2.421 χ^2/NDF: 10650.1/5

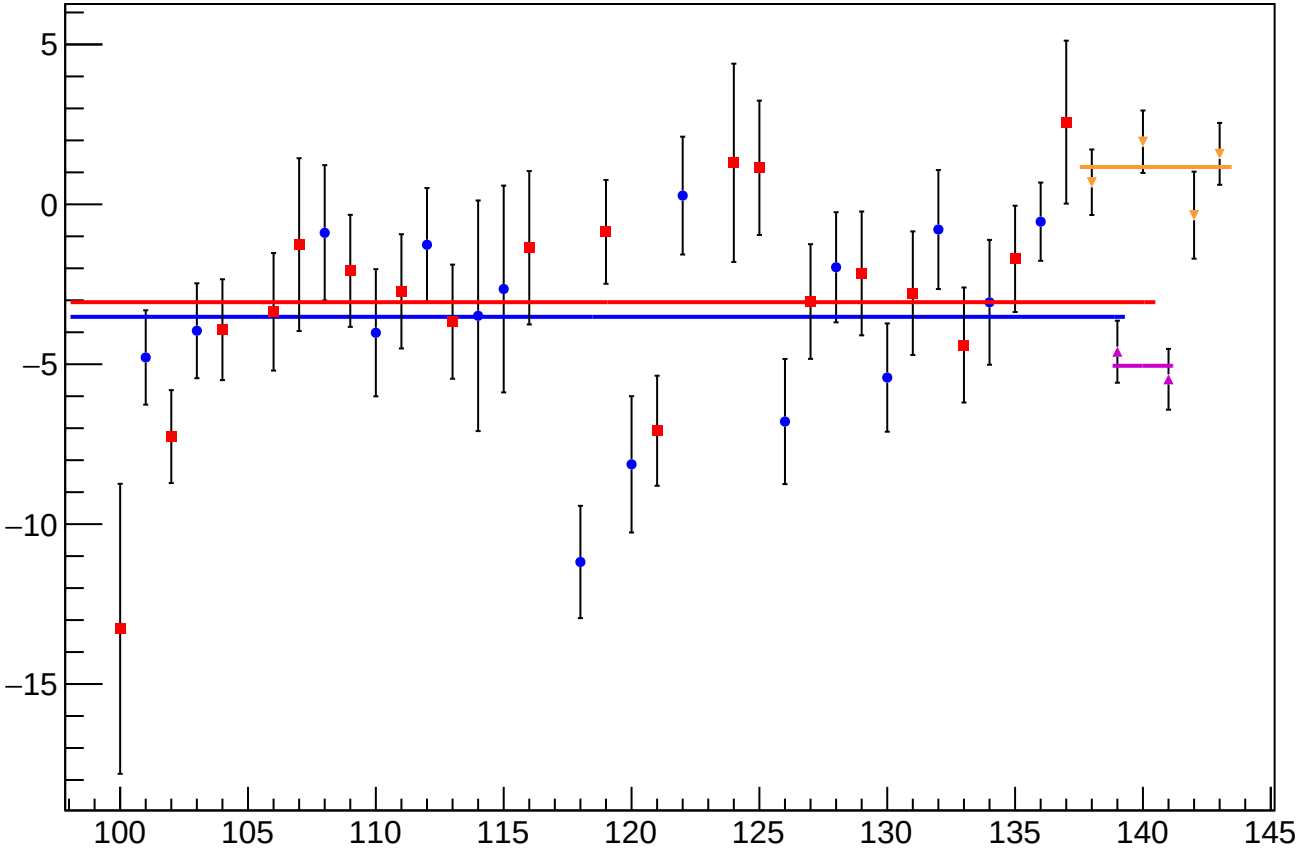
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6444.674+/-1.543 χ^2/NDF:395047.9/17

Out: 6391.059+/-1.418 χ^2/NDF:359903.5/22

All: 6415.596+/-1.044 χ^2/NDF: 755605.8/40

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.168+/-0.526 χ^2/NDF:2.3/3

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -5.048+/-0.679 χ^2/NDF:0.4/1

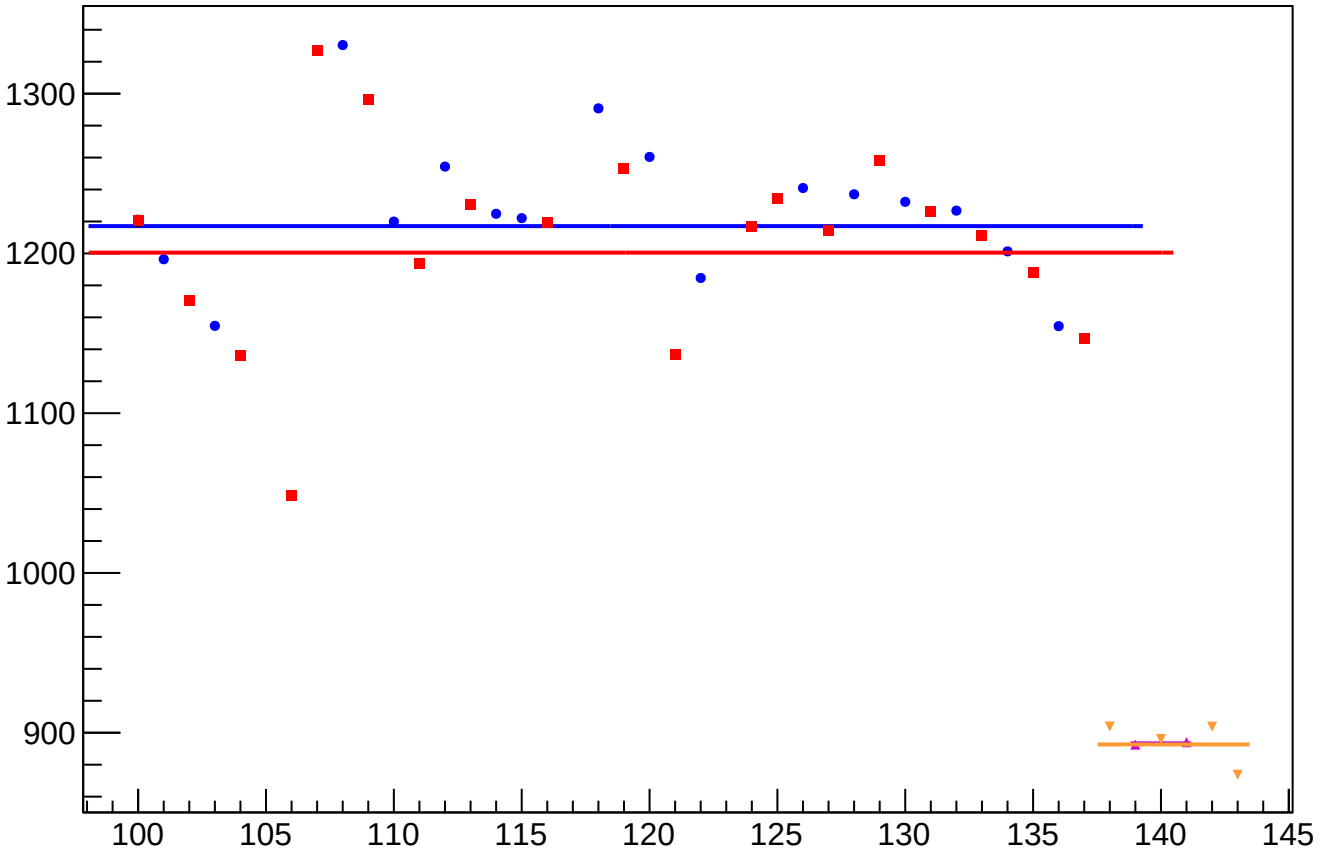
Left: -1.165+/-0.416 χ^2/NDF: 55.1/5

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.988+/-0.376 χ^2/NDF:49.0/17

Out: -1.328+/-0.337 χ^2/NDF:75.2/22

All: -2.510+/-0.251 χ^2/NDF: 151.9/40



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 892.660+/-0.372 χ^2/NDF:1163.2/3

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: 892.921+/-0.294 χ^2/NDF: 1167.0/5

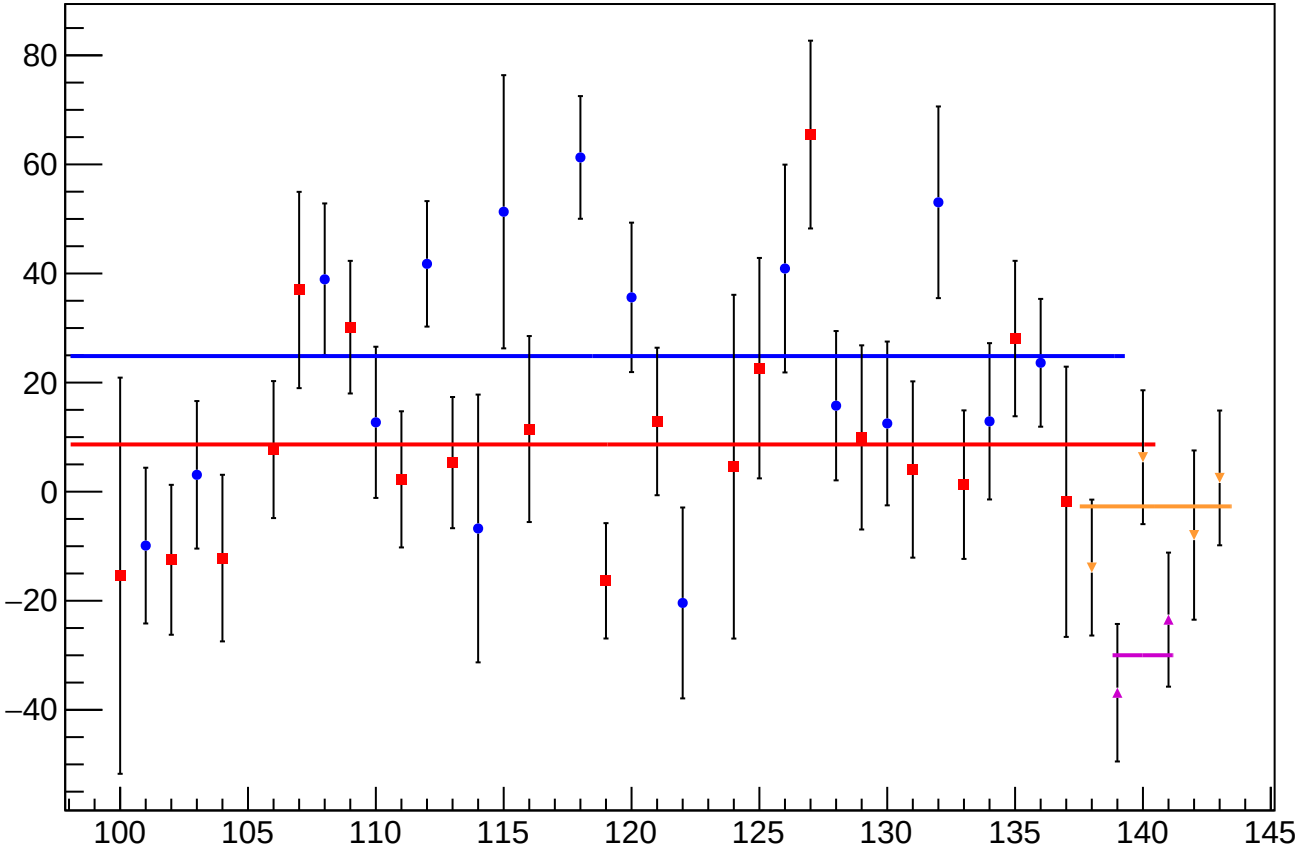
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1117.547+/-0.266 χ^2/NDF:336601.1/17

Out: 1074.405+/-0.238 χ^2/NDF:442842.8/22

All: 1093.584+/-0.177 χ^2/NDF: 794031.1/40

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -2.700+/-6.483 χ^2/NDF:1.6/3

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -29.990+/-8.800 χ^2/NDF:0.6/1

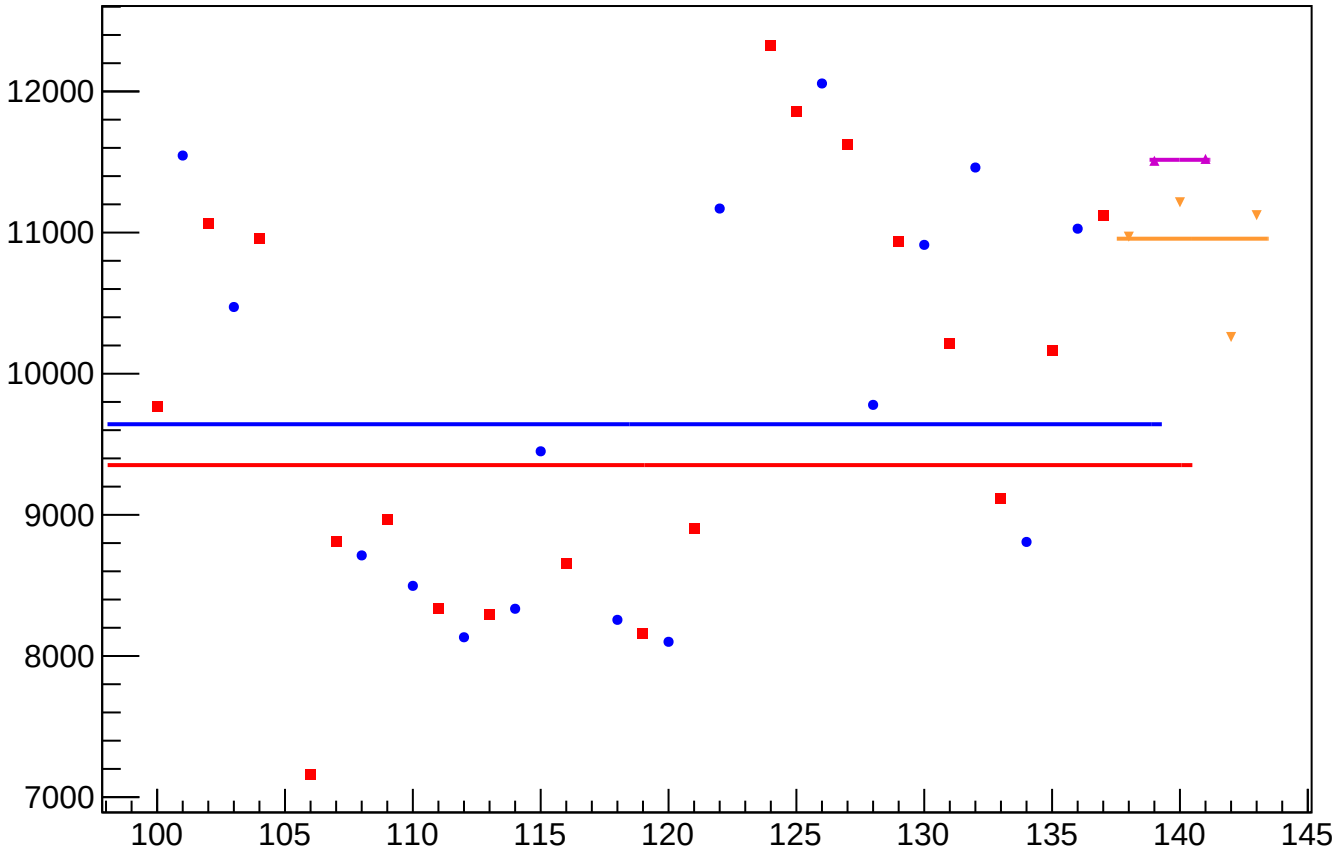
Left: -12.301+/-5.220 χ^2/NDF: 8.5/5

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 16.892+/-3.354 χ^2/NDF:71.9/17

Out: 6.148+/-3.048 χ^2/NDF:34.2/22

All: 11.008+/-2.256 χ^2/NDF: 111.7/40



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10956.693+/-4.585 χ^2/NDF:5280.1/3

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: 11153.302+/-3.691 χ^2/NDF: 10508.9/5

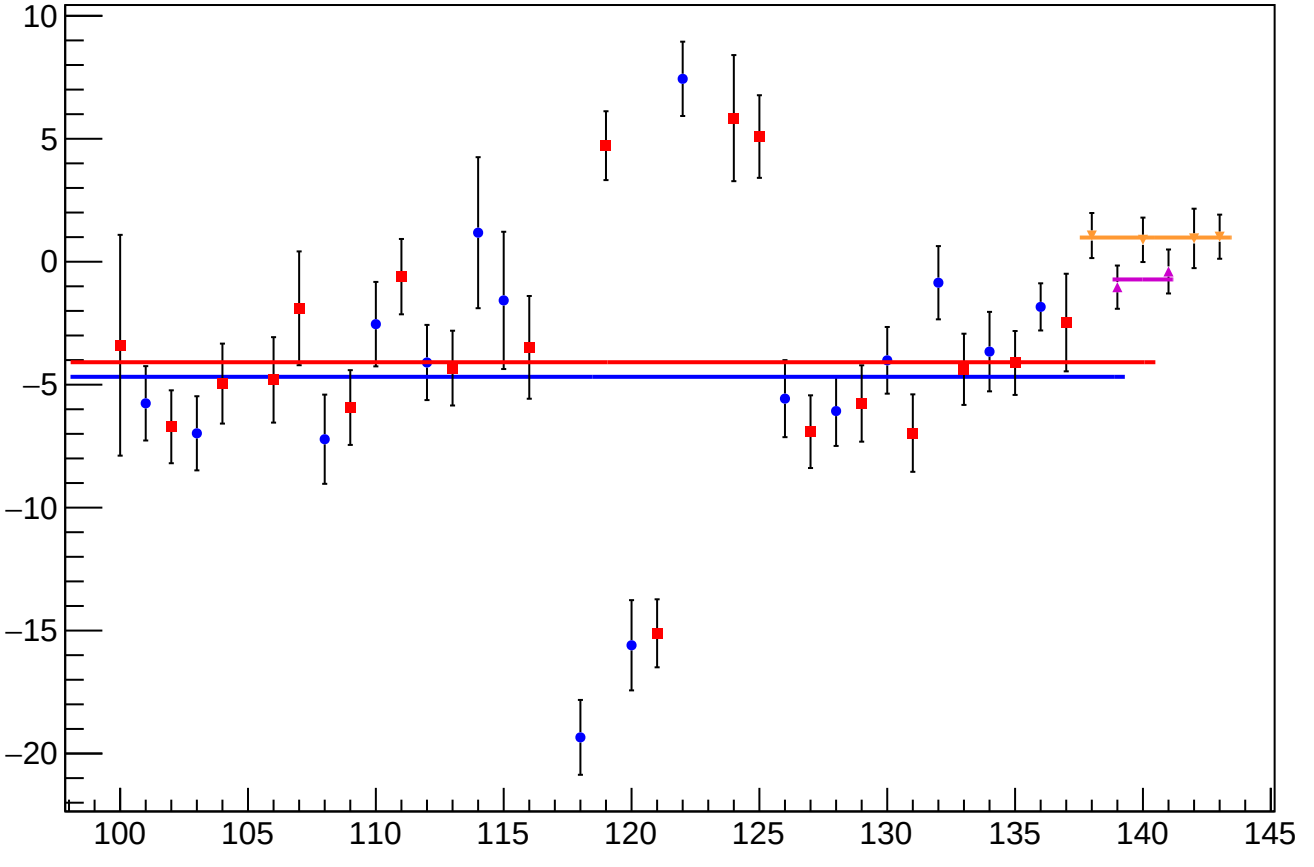
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9914.220+/-2.372 χ^2/NDF:357131.5/17

Out: 9707.091+/-2.155 χ^2/NDF:402435.8/22

All: 9800.780+/-1.595 χ^2/NDF: 763744.4/40

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.984+/-0.480 χ^2/NDF:0.0/3

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: 0.354+/-0.381 χ^2/NDF: 4.9/5

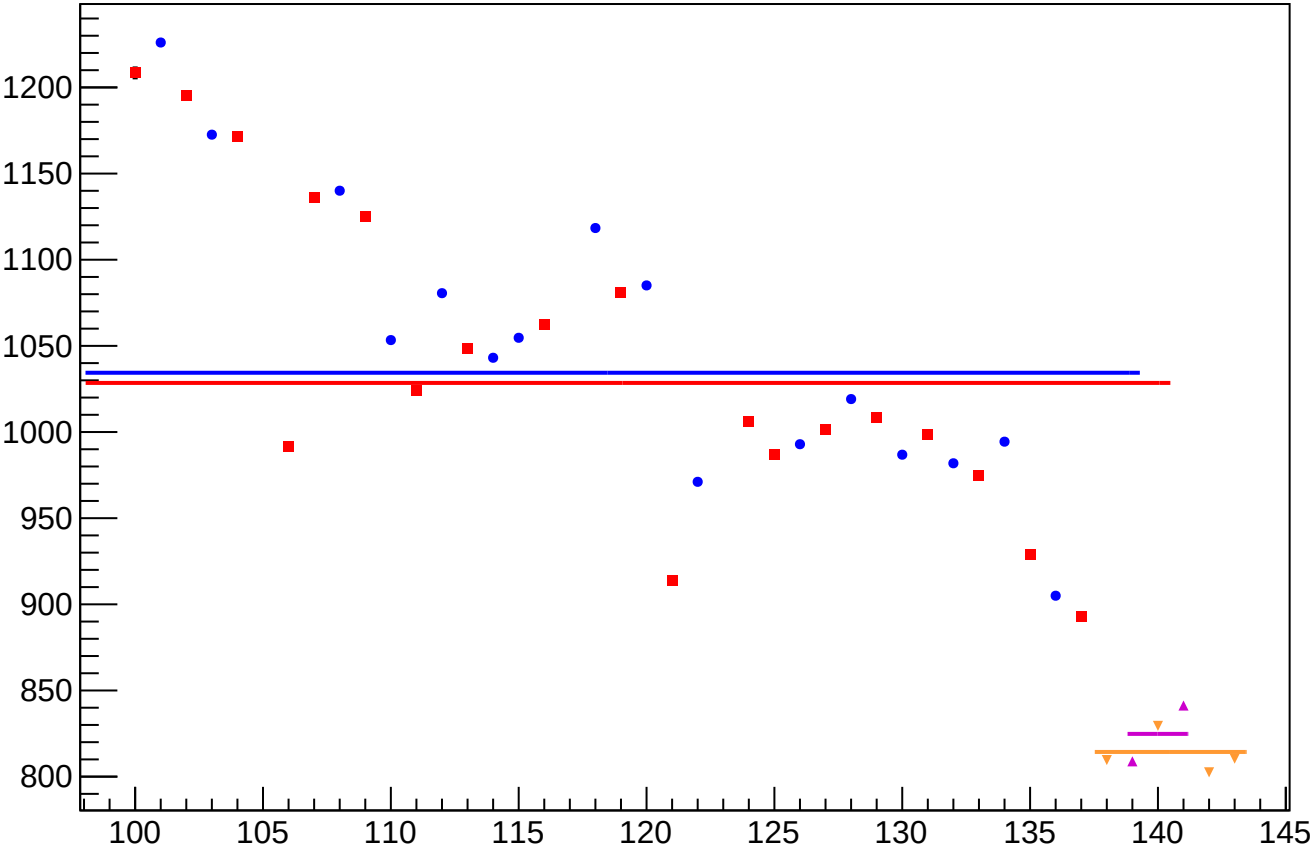
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.593+/-0.329 χ^2/NDF:250.4/17

Out: -2.156+/-0.296 χ^2/NDF:237.2/22

All: -2.800+/-0.220 χ^2/NDF: 498.1/40

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 814.327+/-0.339 χ^2/NDF:843.1/3

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: 818.198+/-0.269 χ^2/NDF: 2528.4/5

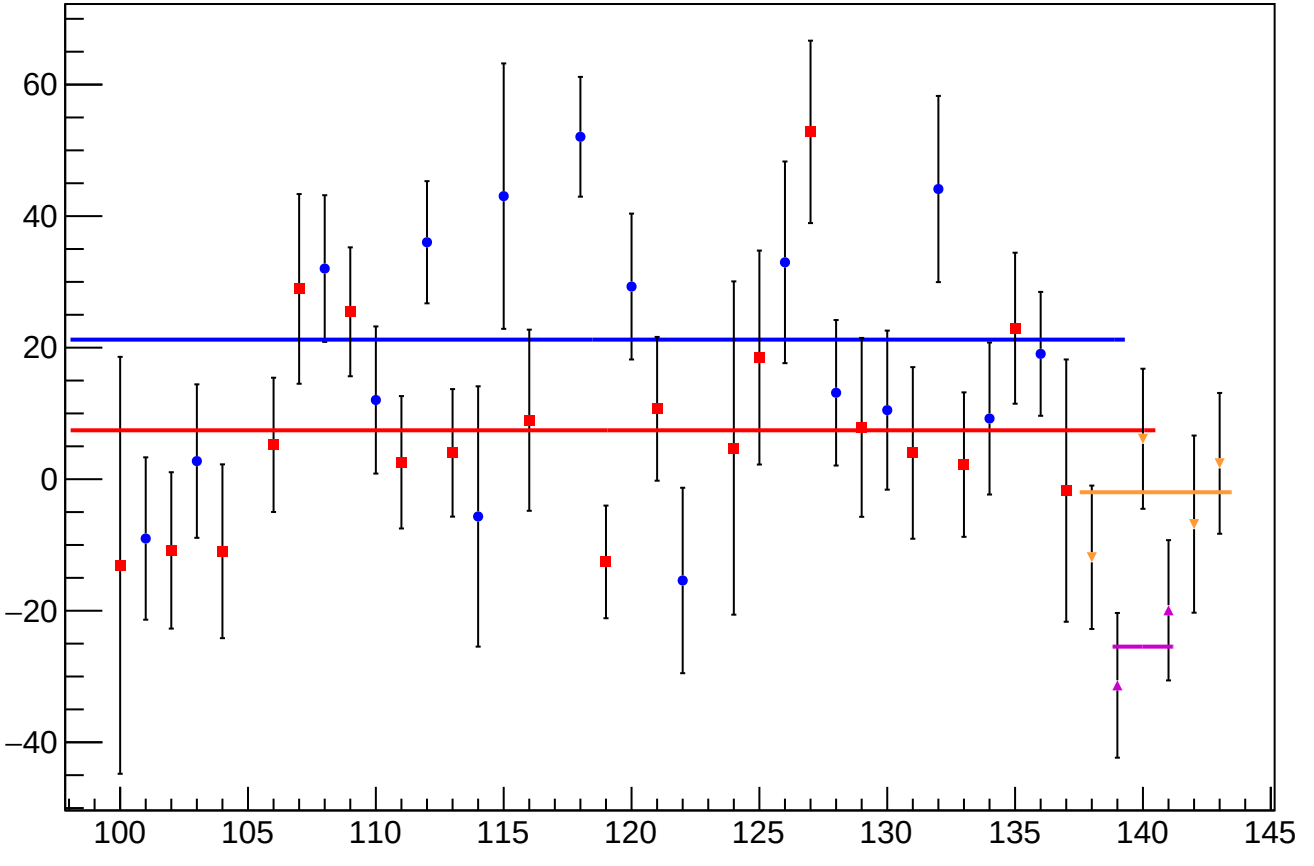
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 976.845+/-0.232 χ^2/NDF:276728.5/17

Out: 946.926+/-0.209 χ^2/NDF:349117.4/22

All: 960.338+/-0.156 χ^2/NDF: 634995.8/40

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -1.981+/-5.637 χ^2/NDF:1.7/3

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -25.457+/-7.658 χ^2/NDF:0.6/1

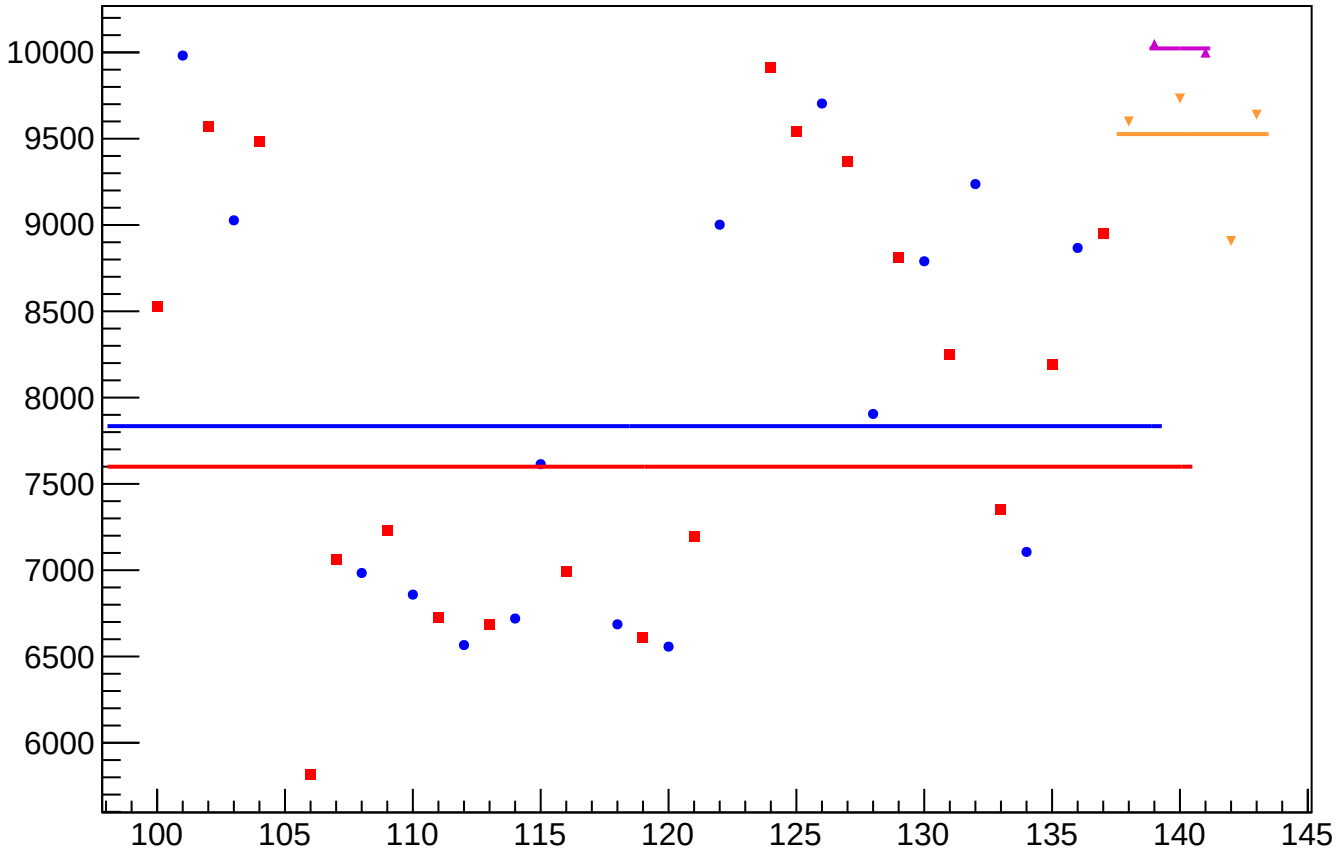
Left: -10.231+/-4.540 χ^2/NDF: 8.4/5

Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 15.184+/-2.754 χ^2/NDF:73.0/17

Out: 5.561+/-2.515 χ^2/NDF:33.7/22

All: 9.937+/-1.857 χ^2/NDF: 113.4/40



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9526.597+/-3.986 χ^2/NDF:5288.7/3

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: 9701.056+/-3.210 χ^2/NDF: 10761.0/5

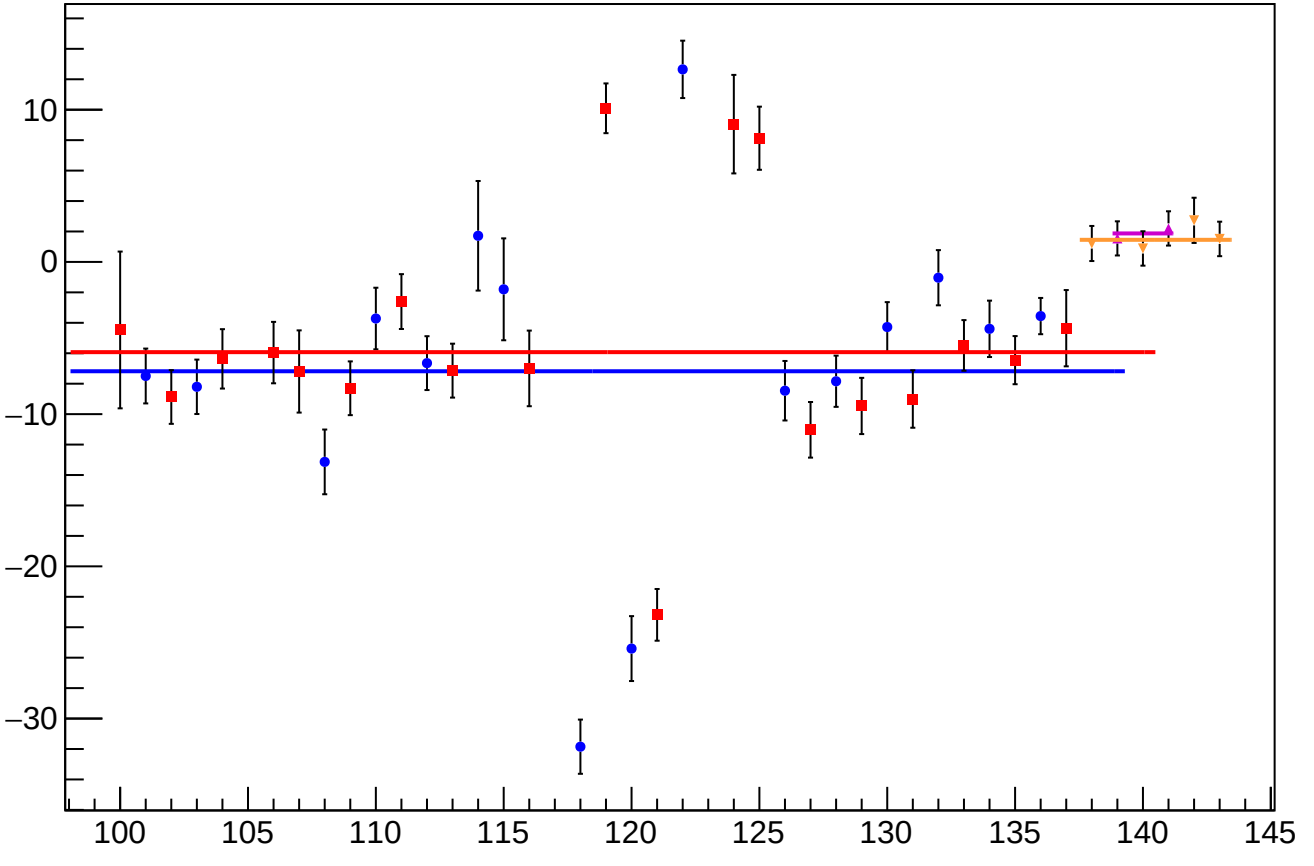
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8117.687+/-1.948 χ^2/NDF:460305.3/17

Out: 7983.327+/-1.778 χ^2/NDF:536750.6/22

All: 8044.420+/-1.313 χ^2/NDF: 999651.2/40

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.452+/-0.601 χ^2/NDF:1.0/3

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.872+/-0.795 χ^2/NDF:0.2/1

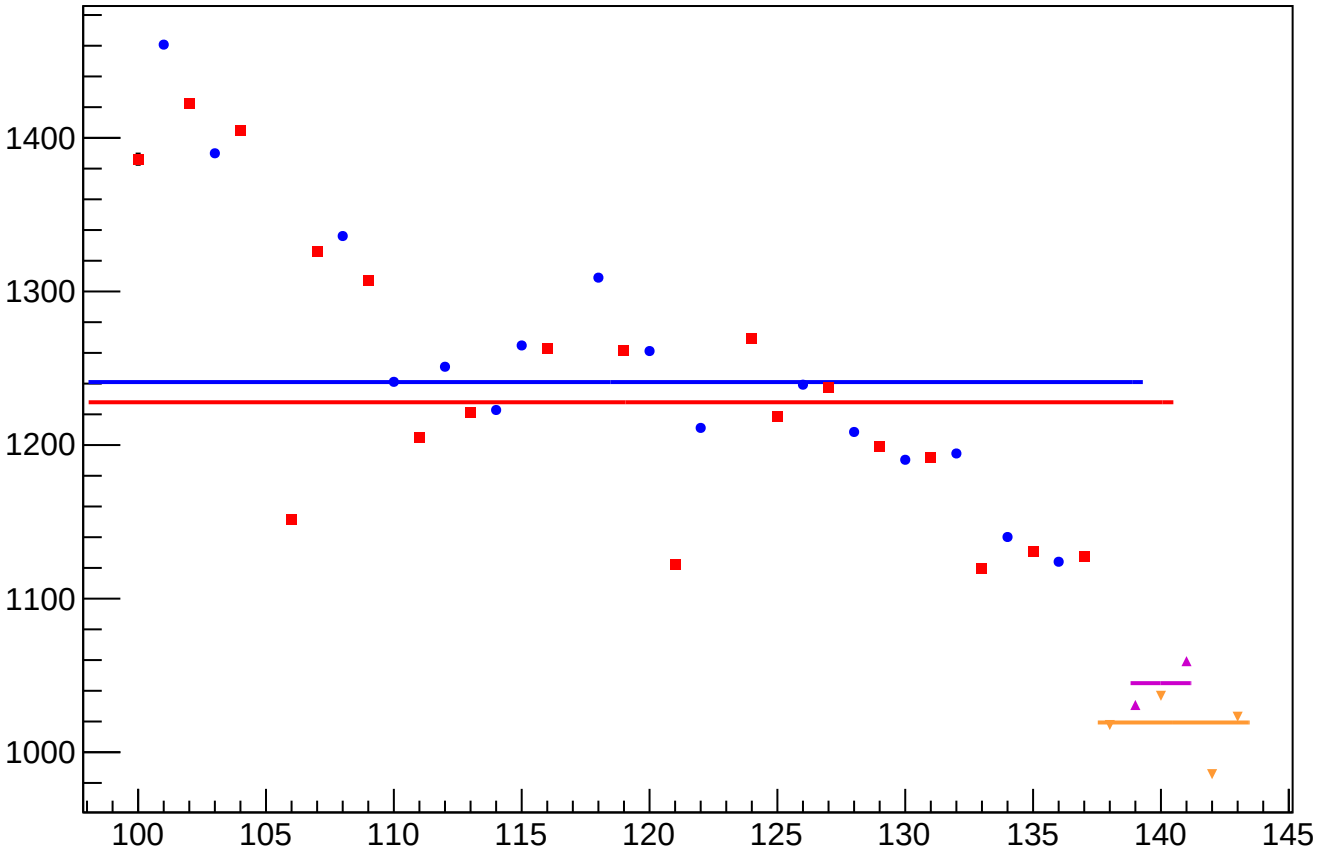
Left: 1.605+/-0.479 χ^2/NDF: 1.4/5

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -4.894+/-0.400 χ^2/NDF:519.4/17

Out: -3.283+/-0.360 χ^2/NDF:388.1/22

All: -4.004+/-0.267 χ^2/NDF: 916.5/40



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1019.365+/-0.425 χ^2/NDF:1526.1/3

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: 1028.679+/-0.339 χ^2/NDF: 3491.3/5

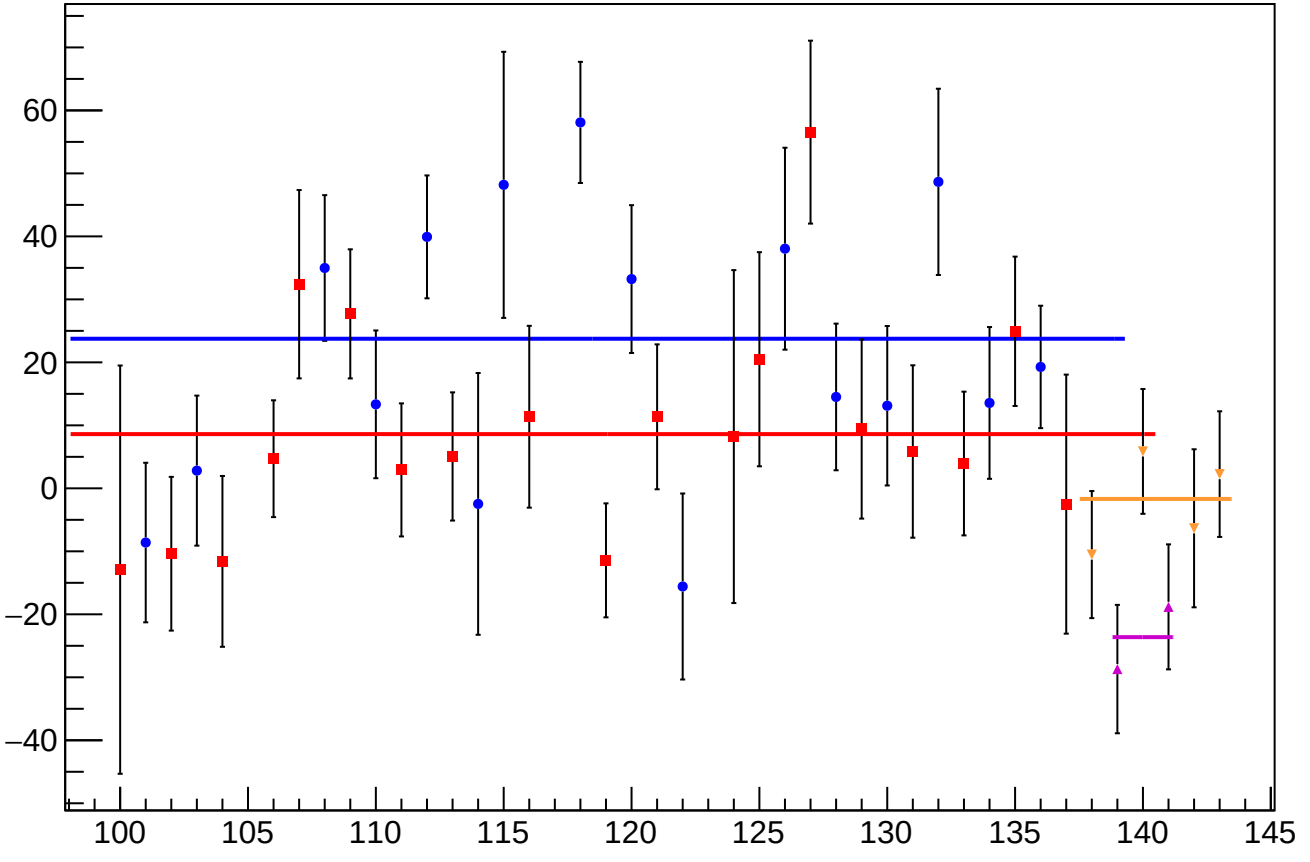
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1191.456+/-0.283 χ^2/NDF:172186.4/17

Out: 1153.144+/-0.254 χ^2/NDF:238308.9/22

All: 1170.294+/-0.189 χ^2/NDF: 420647.0/40

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -1.682+/-5.240 χ^2/NDF:1.6/3

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -23.625+/-7.110 χ^2/NDF:0.5/1

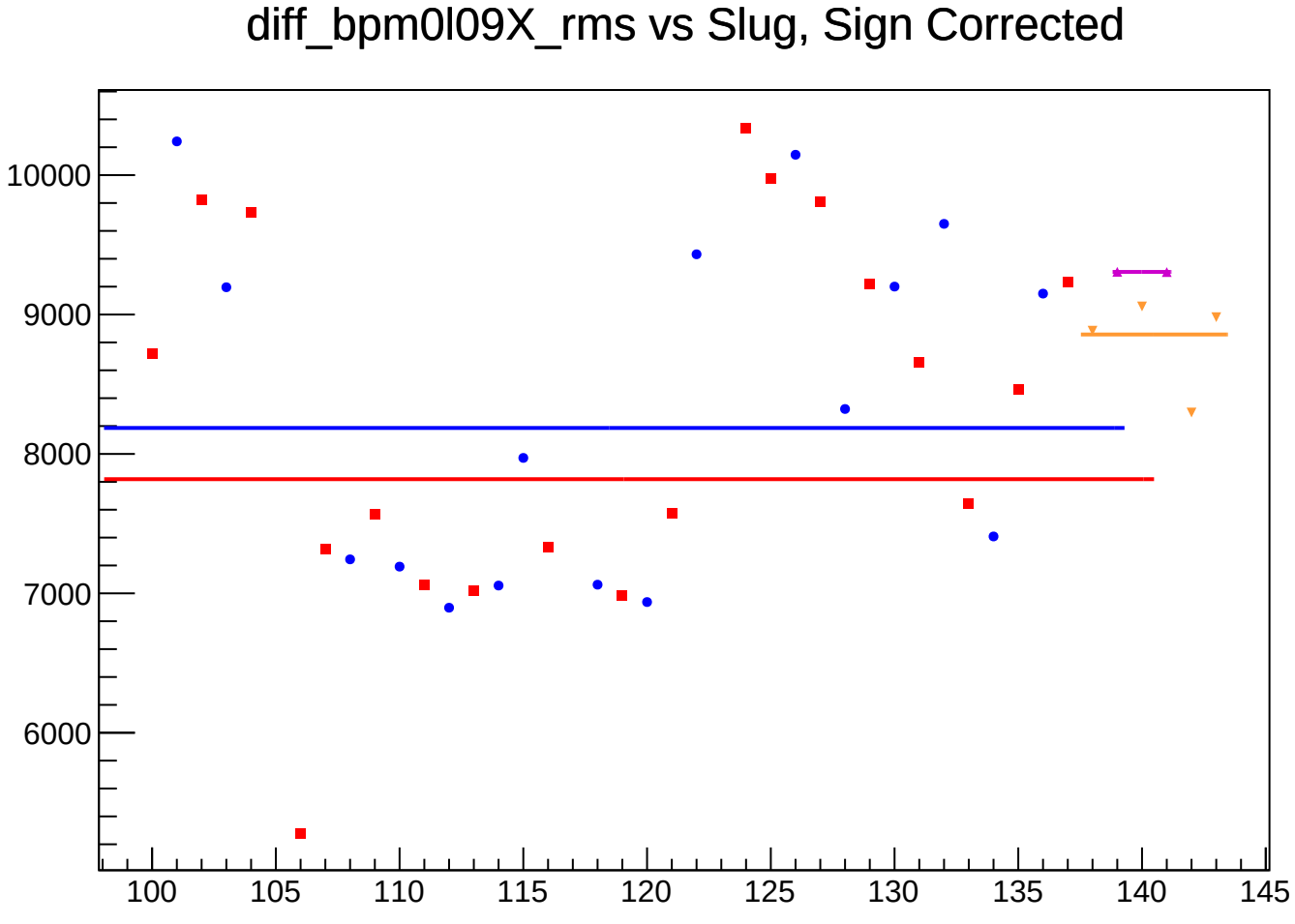
Left: -9.405+/-4.218 χ^2/NDF: 8.3/5

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 16.259+/-2.827 χ^2/NDF:81.3/17

Out: 6.197+/-2.537 χ^2/NDF:35.1/22

All: 10.685+/-1.888 χ^2/NDF: 123.4/40



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8856.896+/-3.705 χ^2/NDF:5130.2/3

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: 9014.858+/-2.983 χ^2/NDF: 10293.3/5

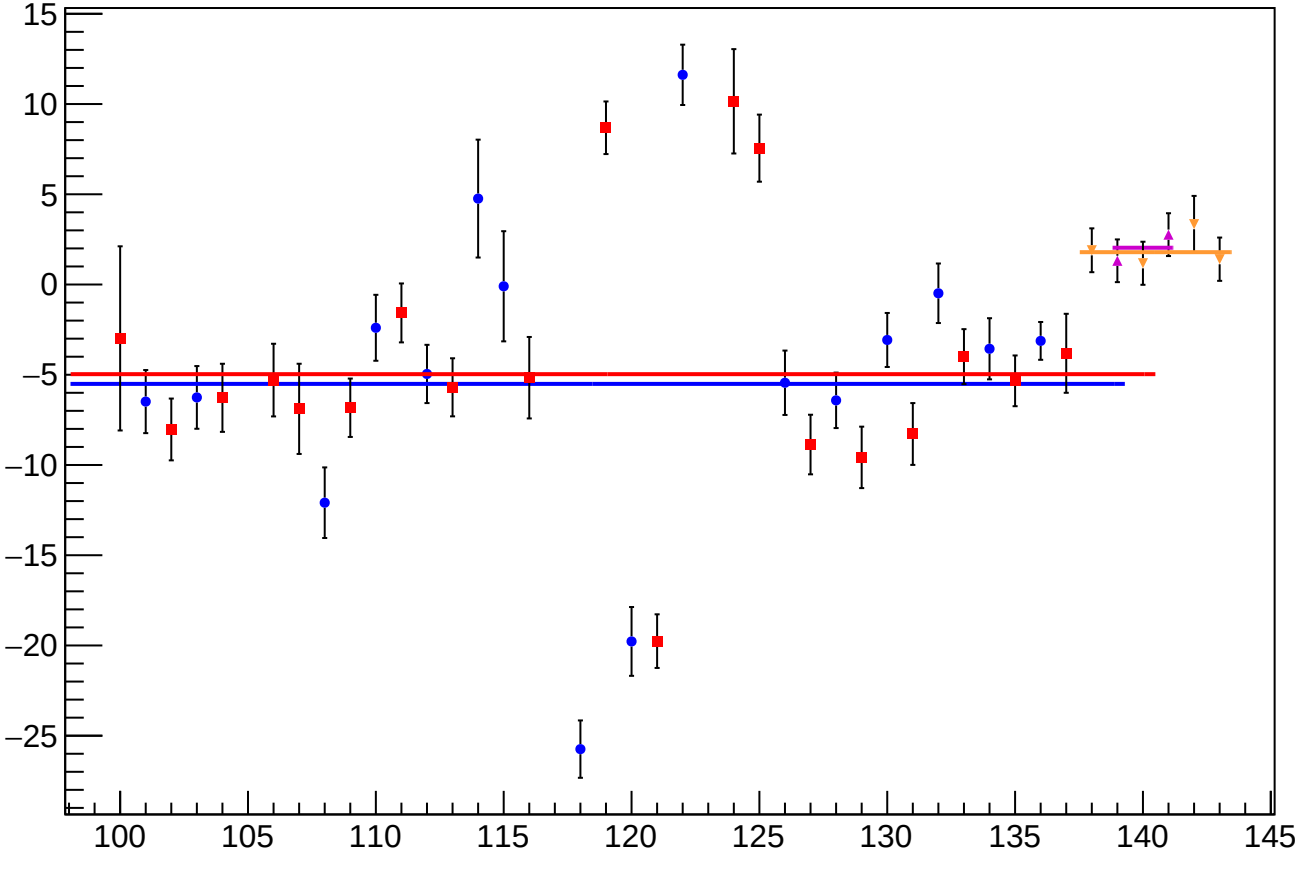
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8363.343+/-1.999 χ^2/NDF:332355.7/17

Out: 8062.188+/-1.794 χ^2/NDF:488204.7/22

All: 8196.497+/-1.335 χ^2/NDF: 833131.9/40

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.792+/-0.635 χ^2/NDF:1.4/3

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 2.038+/-0.838 χ^2/NDF:0.7/1

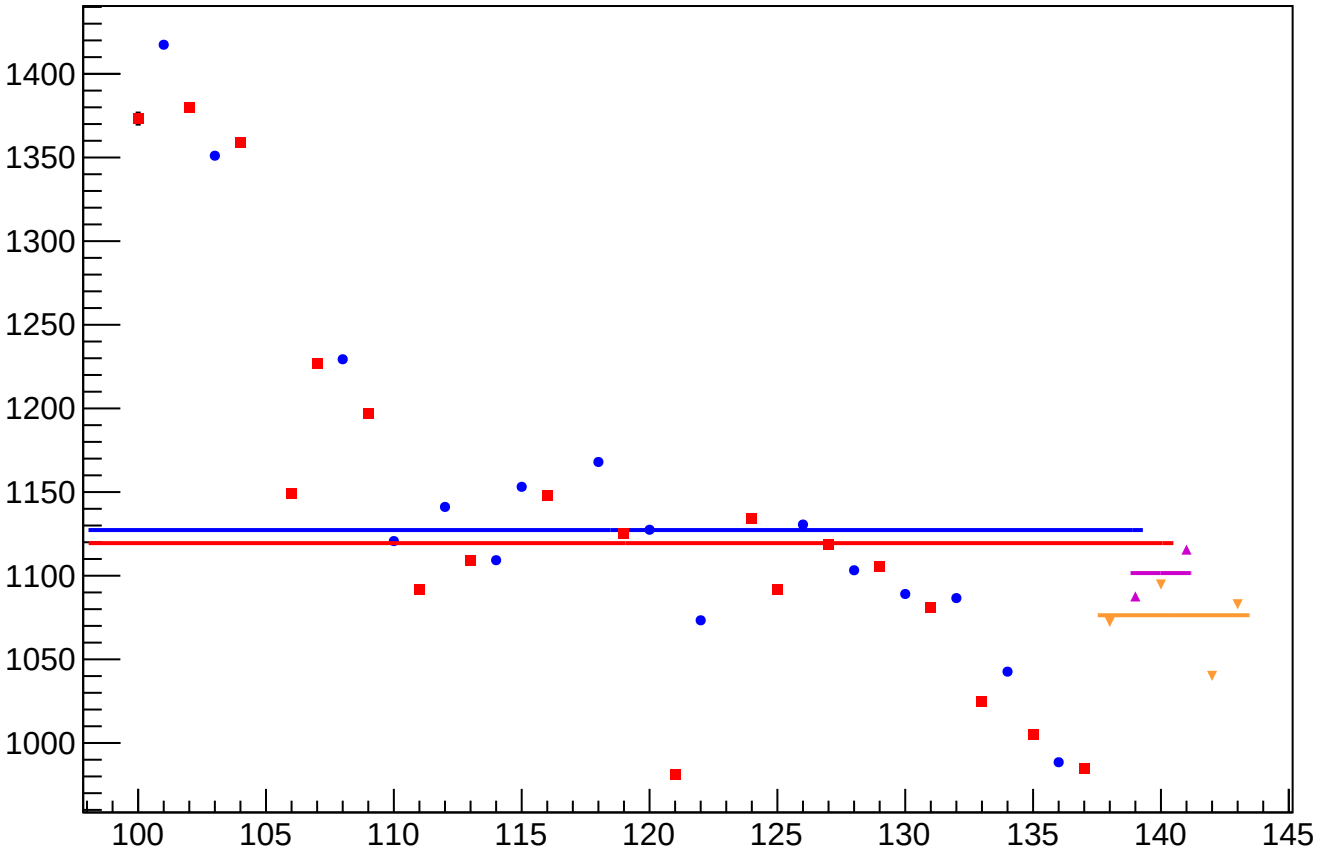
Left: 1.882+/-0.506 χ^2/NDF: 2.2/5

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.987+/-0.376 χ^2/NDF:435.3/17

Out: -2.974+/-0.345 χ^2/NDF:368.7/22

All: -3.436+/-0.254 χ^2/NDF: 807.9/40



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1076.364+/-0.449 χ^2/NDF:1627.3/3

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: 1085.553+/-0.358 χ^2/NDF: 3335.3/5

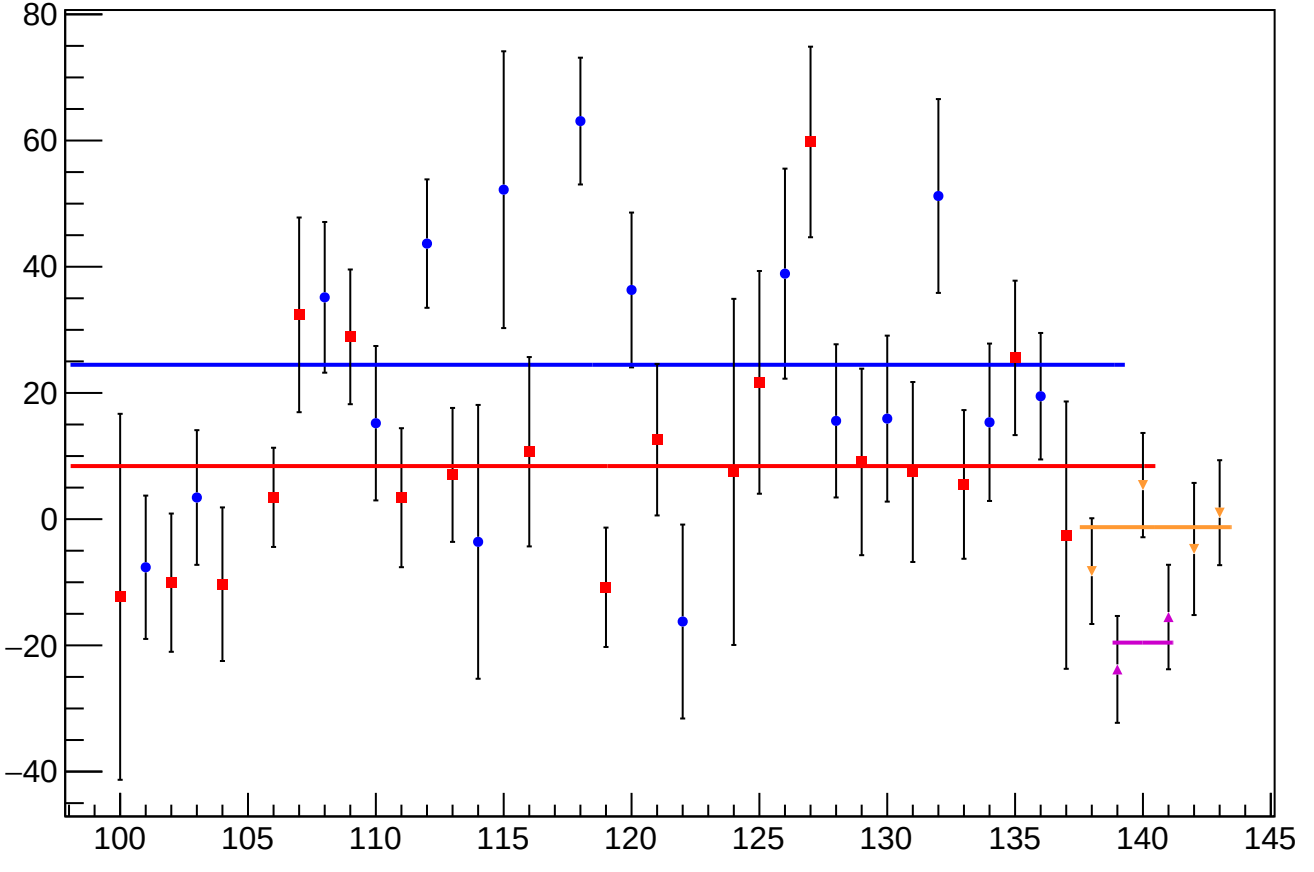
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1122.109+/-0.266 χ^2/NDF:142677.2/17

Out: 1106.763+/-0.244 χ^2/NDF:148871.4/22

All: 1113.766+/-0.180 χ^2/NDF: 293358.9/40

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -1.268+/-4.366 χ^2/NDF:1.5/3

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: -7.714+/-3.514 χ^2/NDF: 8.2/5

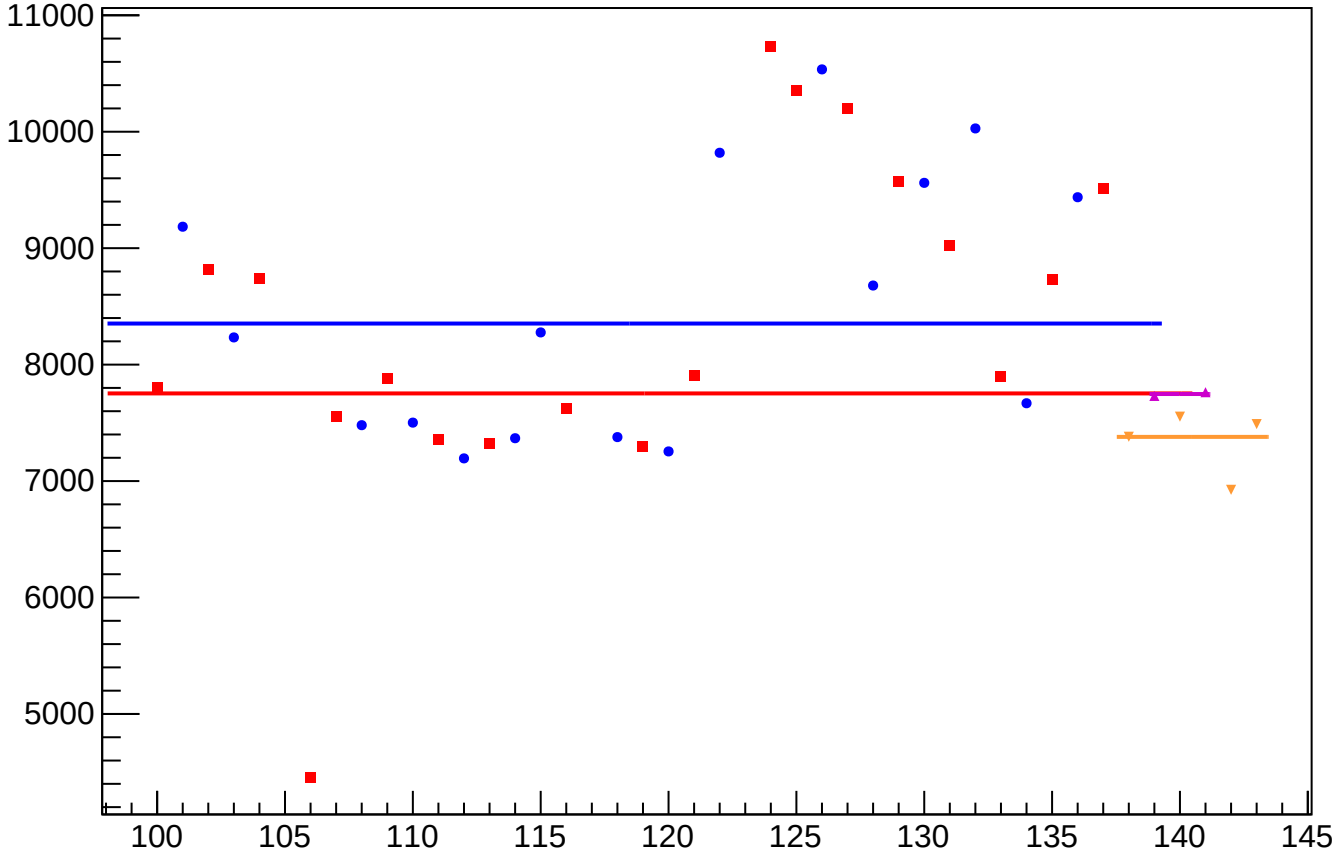
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 14.814+/-2.771 χ^2/NDF:92.0/17

Out: 5.462+/-2.410 χ^2/NDF:36.1/22

All: 9.490+/-1.819 χ^2/NDF: 134.6/40

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7379.436+/-3.087 χ^2/NDF:5002.4/3

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: 7509.131+/-2.484 χ^2/NDF: 10027.3/5

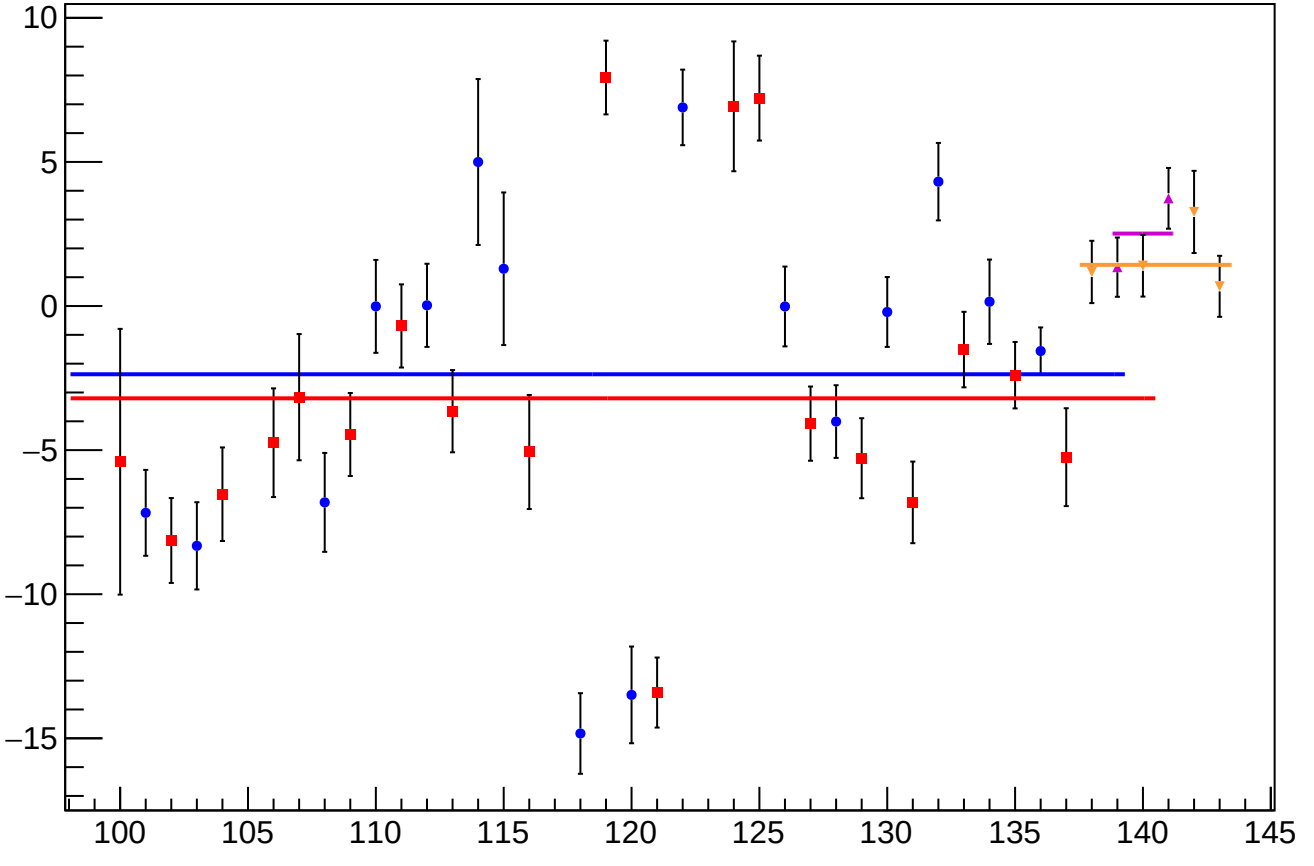
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8220.130+/-1.960 χ^2/NDF:236748.1/17

Out: 7638.899+/-1.704 χ^2/NDF:603236.5/22

All: 7889.229+/-1.286 χ^2/NDF: 890071.3/40

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.429+/-0.567 χ^2/NDF:2.2/3

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 2.514+/-0.736 χ^2/NDF:2.6/1

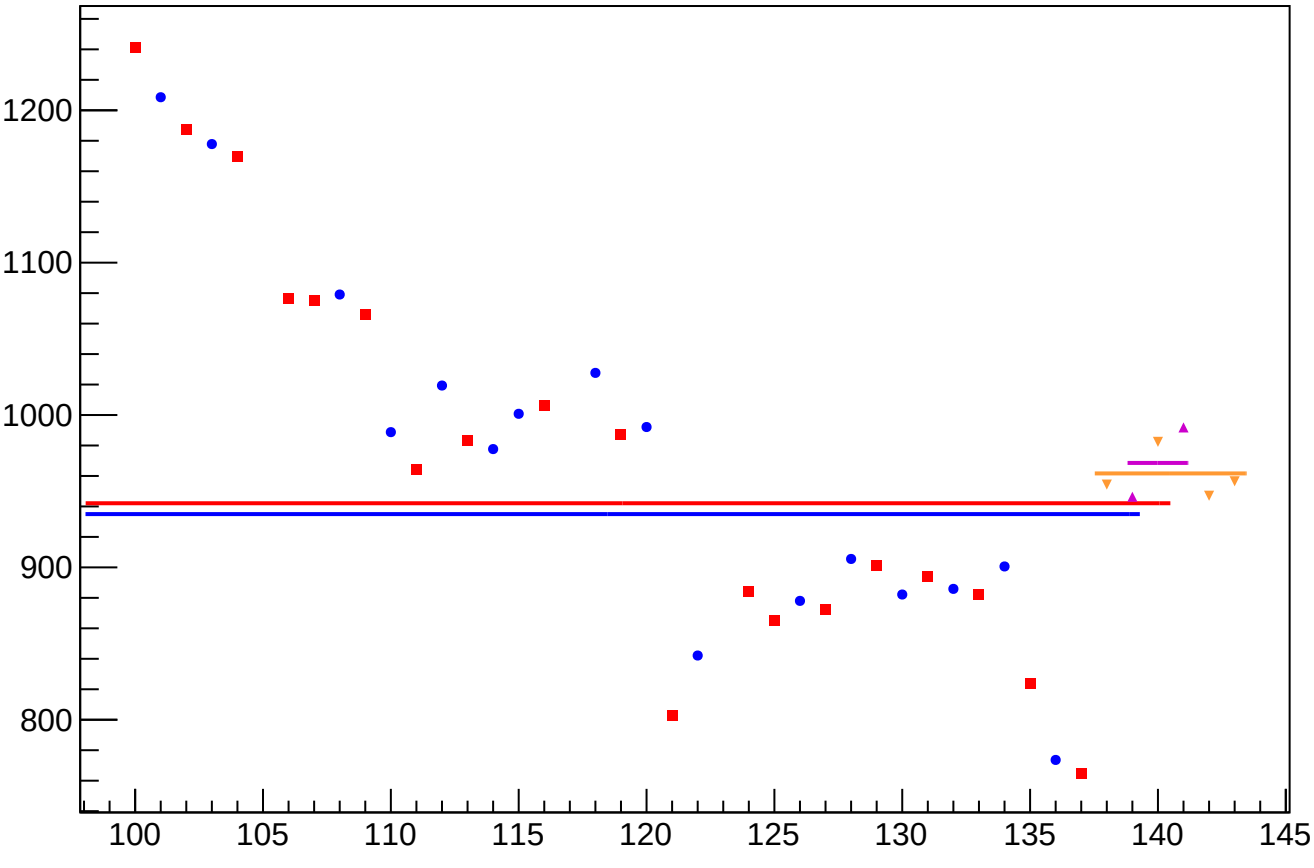
Left: 1.833+/-0.449 χ^2/NDF: 6.2/5

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.466+/-0.316 χ^2/NDF:294.0/17

Out: -1.943+/-0.296 χ^2/NDF:301.3/22

All: -1.721+/-0.216 χ^2/NDF: 596.6/40



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 961.667+/-0.401 χ^2/NDF:1099.8/3

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: 964.229+/-0.318 χ^2/NDF: 3117.7/5

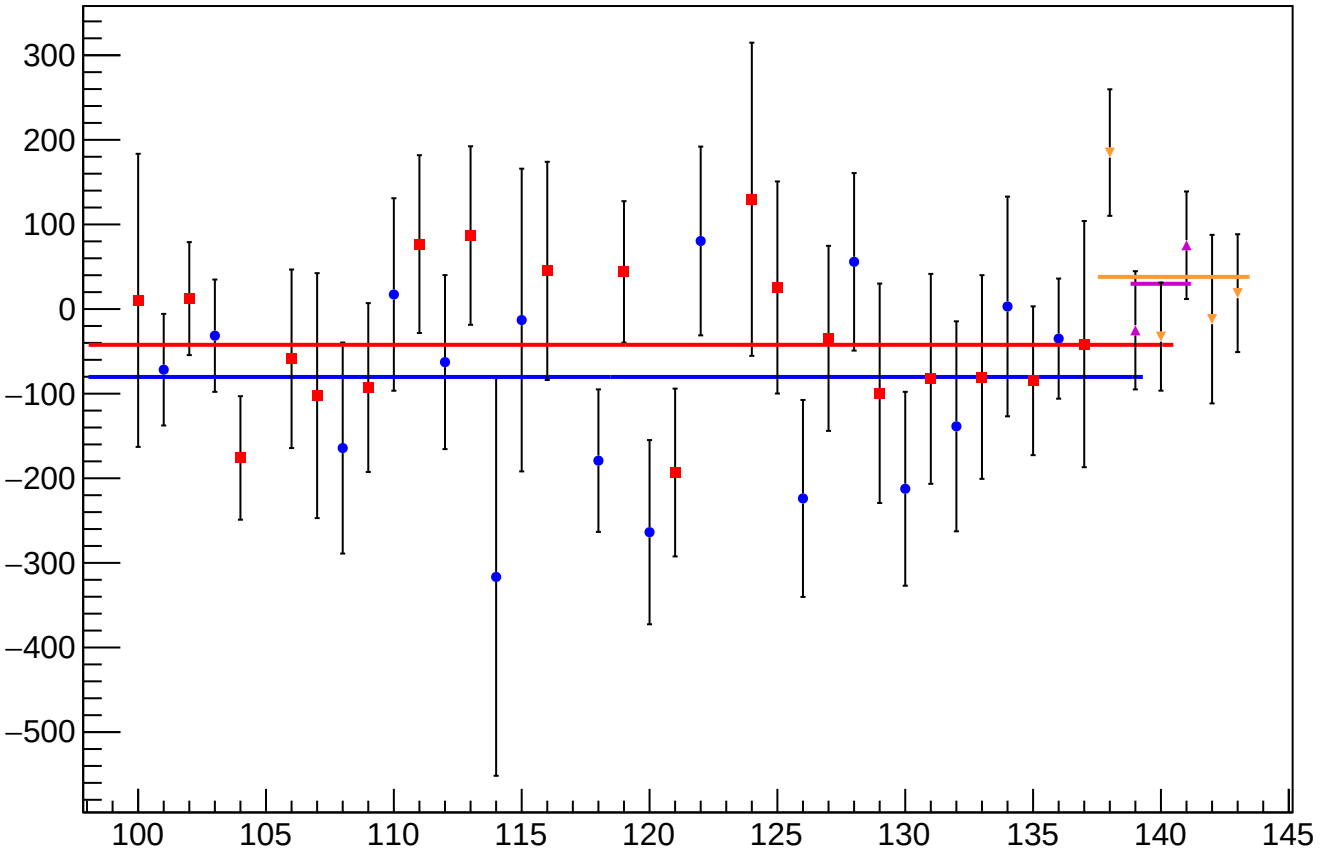
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 941.176+/-0.224 χ^2/NDF:259662.5/17

Out: 947.417+/-0.209 χ^2/NDF:235289.7/22

All: 944.509+/-0.153 χ^2/NDF: 495367.7/40

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 38.024+/-36.997 χ^2/NDF:5.4/3

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: 34.911+/-29.076 χ^2/NDF: 6.6/5

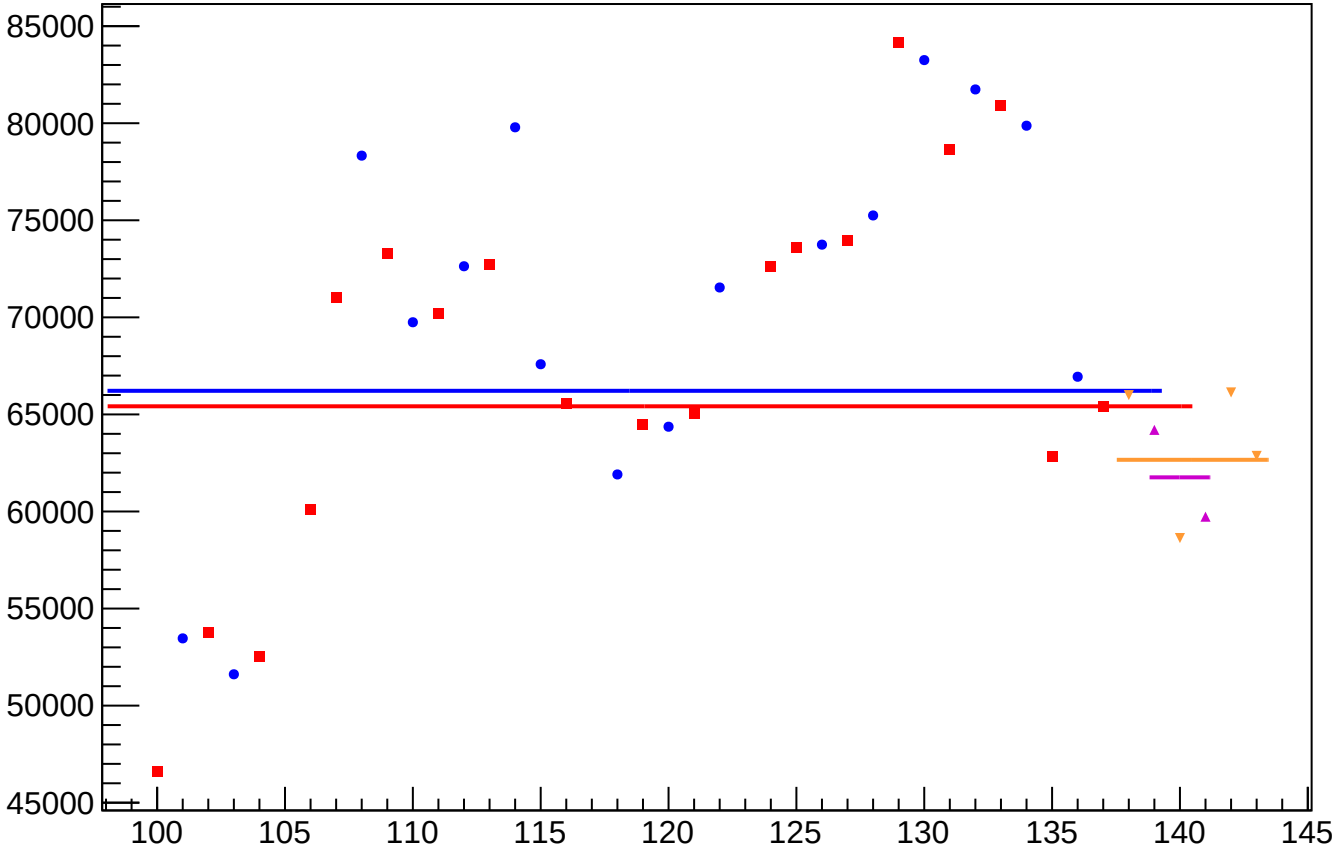
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -56.115+/-22.011 χ^2/NDF:20.2/17

Out: -18.283+/-20.220 χ^2/NDF:21.7/22

All: -35.597+/-14.891 χ^2/NDF: 43.5/40

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 62662.252+/-26.161 χ^2/NDF:14368.7/3

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: 62316.703+/-20.559 χ^2/NDF: 19307.5/5

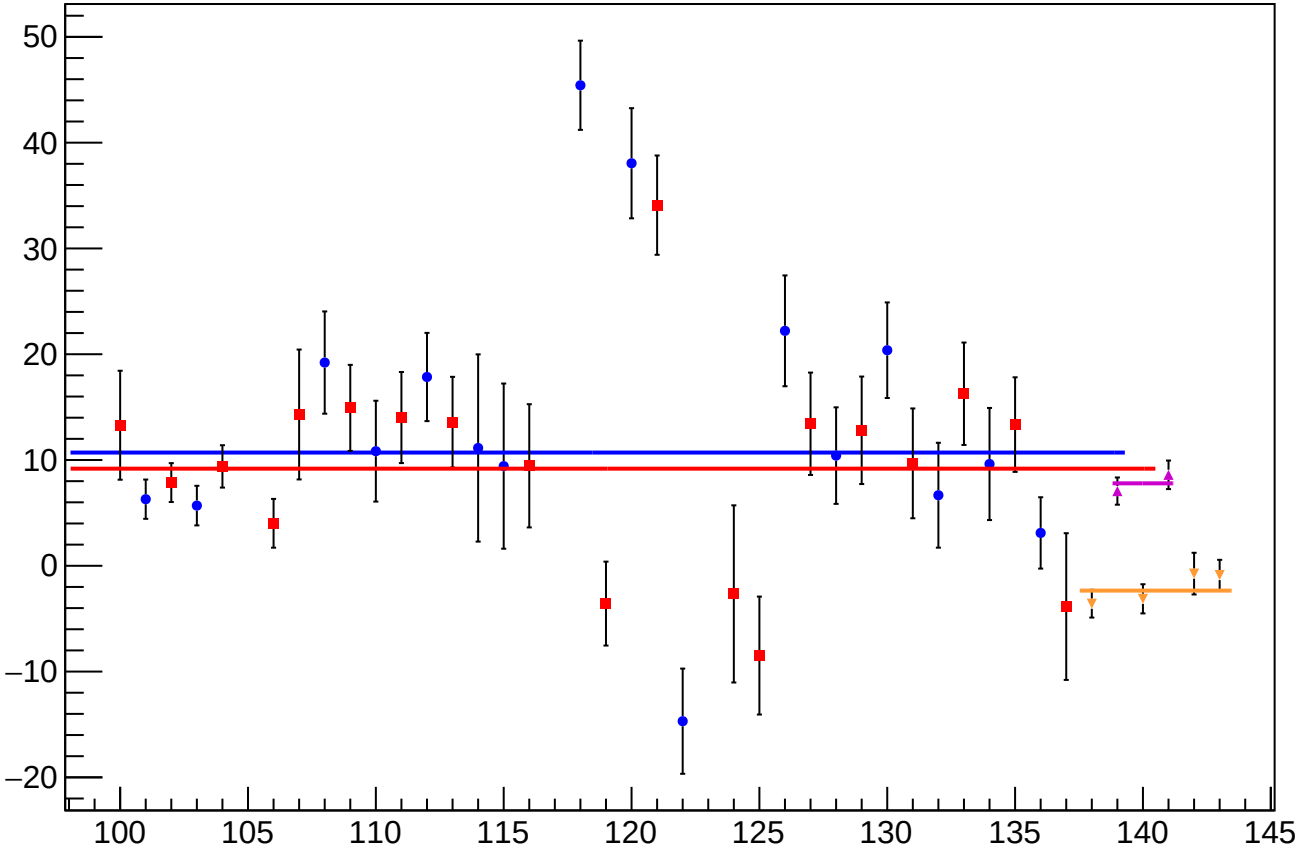
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65239.284+/-15.564 χ^2/NDF:356895.8/17

Out: 64595.267+/-14.297 χ^2/NDF:326709.5/22

All: 64890.005+/-10.529 χ^2/NDF: 684533.9/4

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -2.346+/-0.735 χ^2/NDF:2.9/3

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: 1.549+/-0.577 χ^2/NDF: 76.6/5

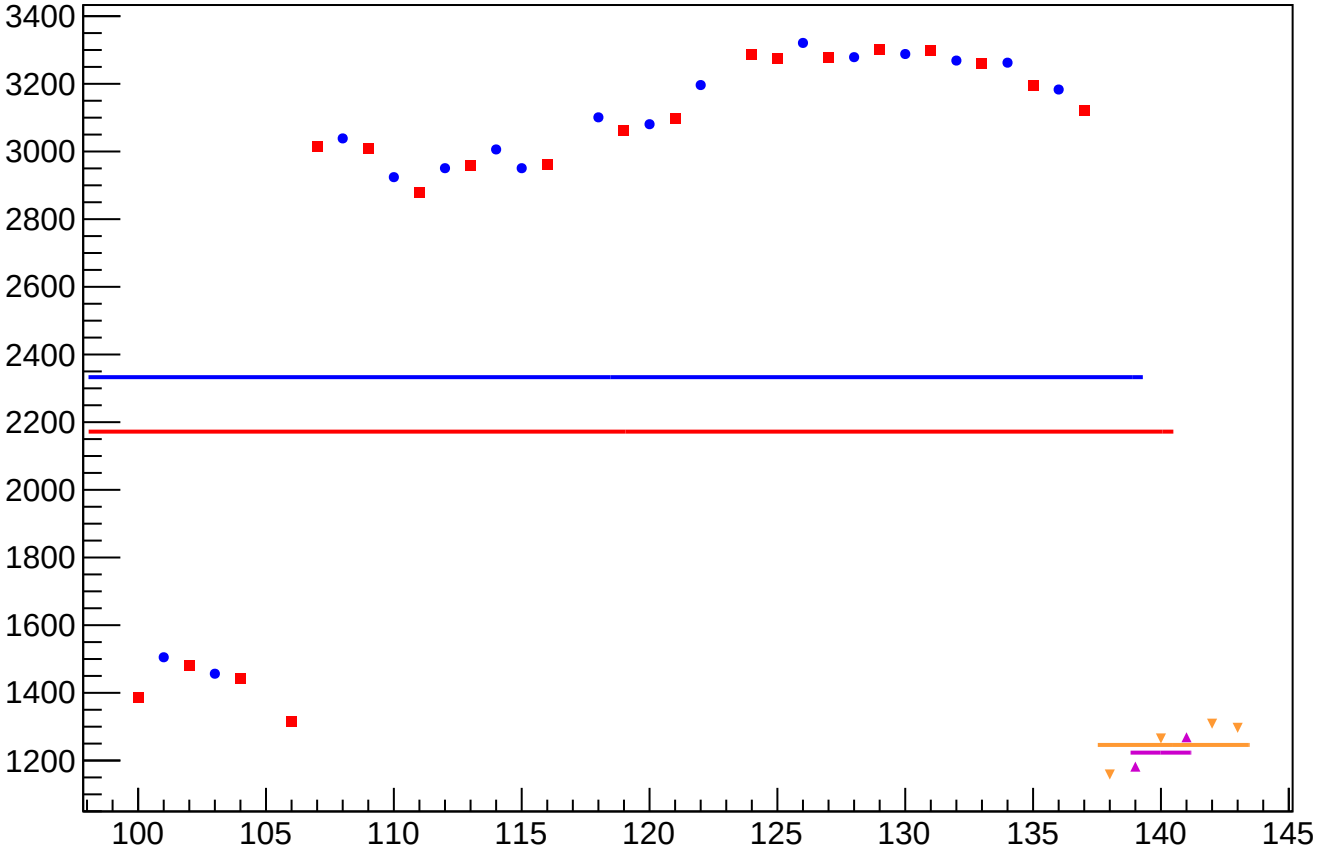
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.266+/-0.655 χ^2/NDF:161.2/17

Out: 2.588+/-0.556 χ^2/NDF:177.7/22

All: 5.388+/-0.424 χ^2/NDF: 399.3/40

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1246.048+/-0.520 χ^2/NDF:13748.9/3

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: 1237.311+/-0.408 χ^2/NDF: 18811.2/5

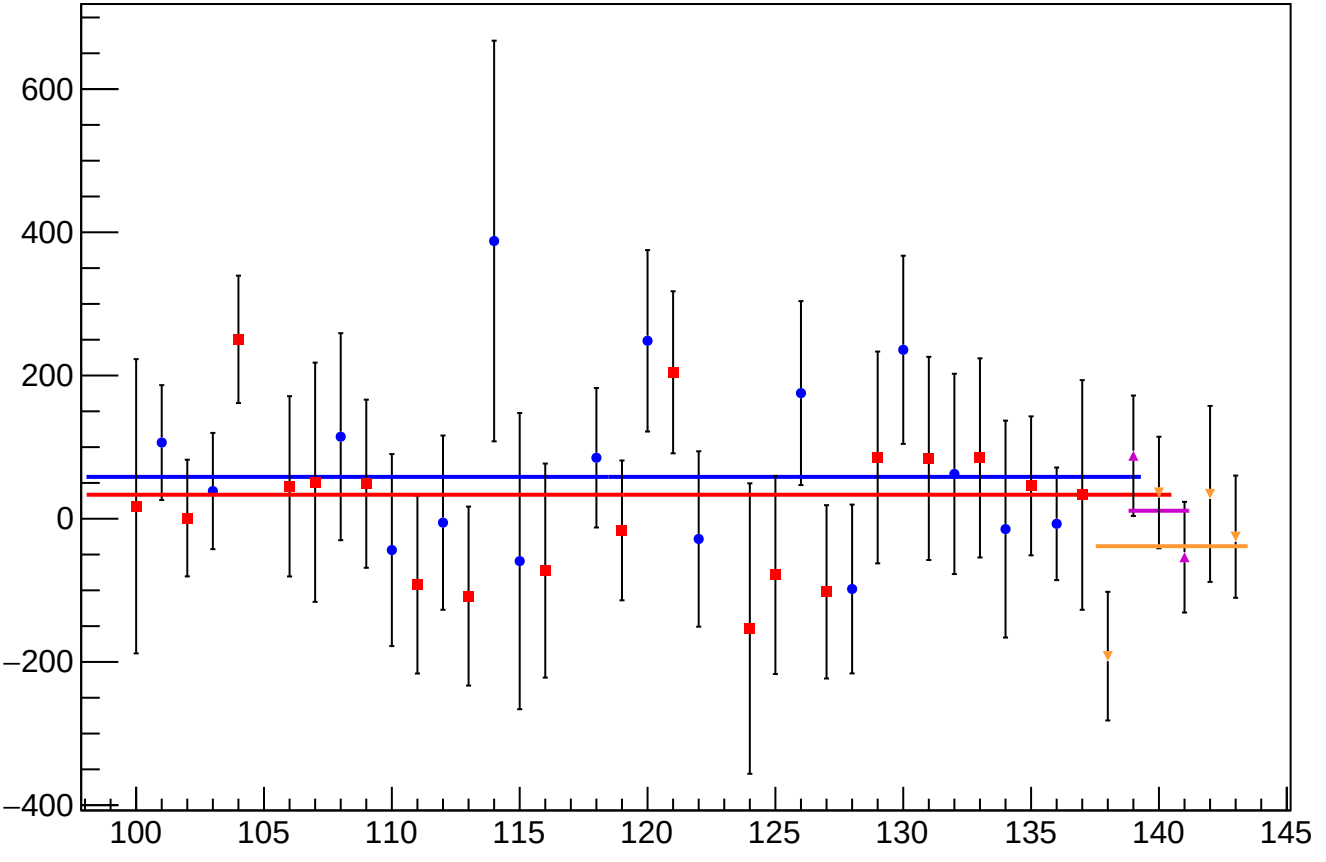
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1784.587+/-0.463 χ^2/NDF:3092133.0/17

Out: 1642.371+/-0.393 χ^2/NDF:3355221.6/22

All: 1701.984+/-0.300 χ^2/NDF: 6502170.1/40

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -38.369+/-45.069 χ^2/NDF:4.2/3

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 11.156+/-56.894 χ^2/NDF:1.5/1

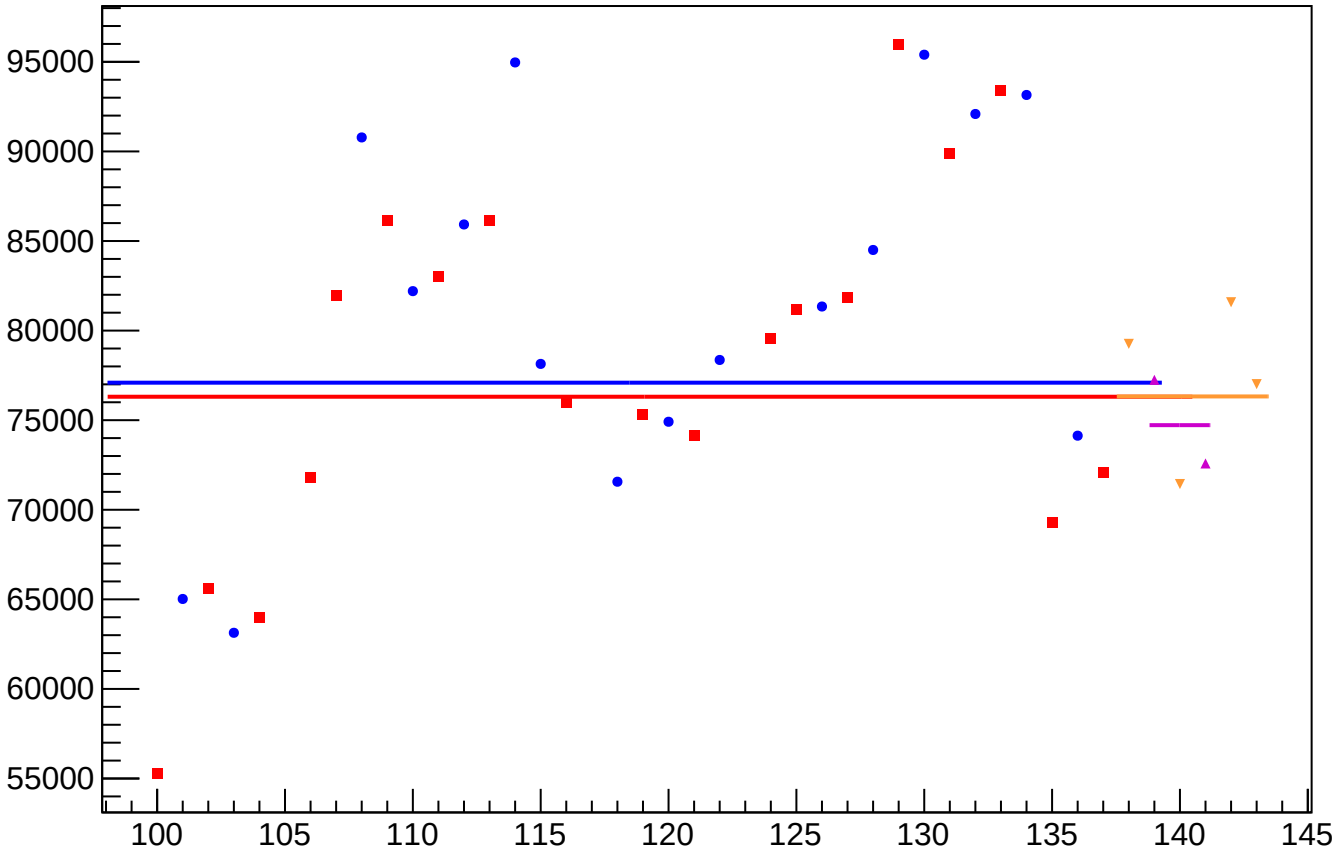
Left: -19.274+/-35.328 χ^2/NDF: 6.2/5

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 48.737+/-25.779 χ^2/NDF:13.4/17

Out: 13.391+/-23.848 χ^2/NDF:20.7/22

All: 29.691+/-17.506 χ^2/NDF: 35.1/40



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 76325.031+/-31.869 χ^2/NDF:13805.5/3

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: 75707.089+/-24.980 χ^2/NDF: 18121.8/5

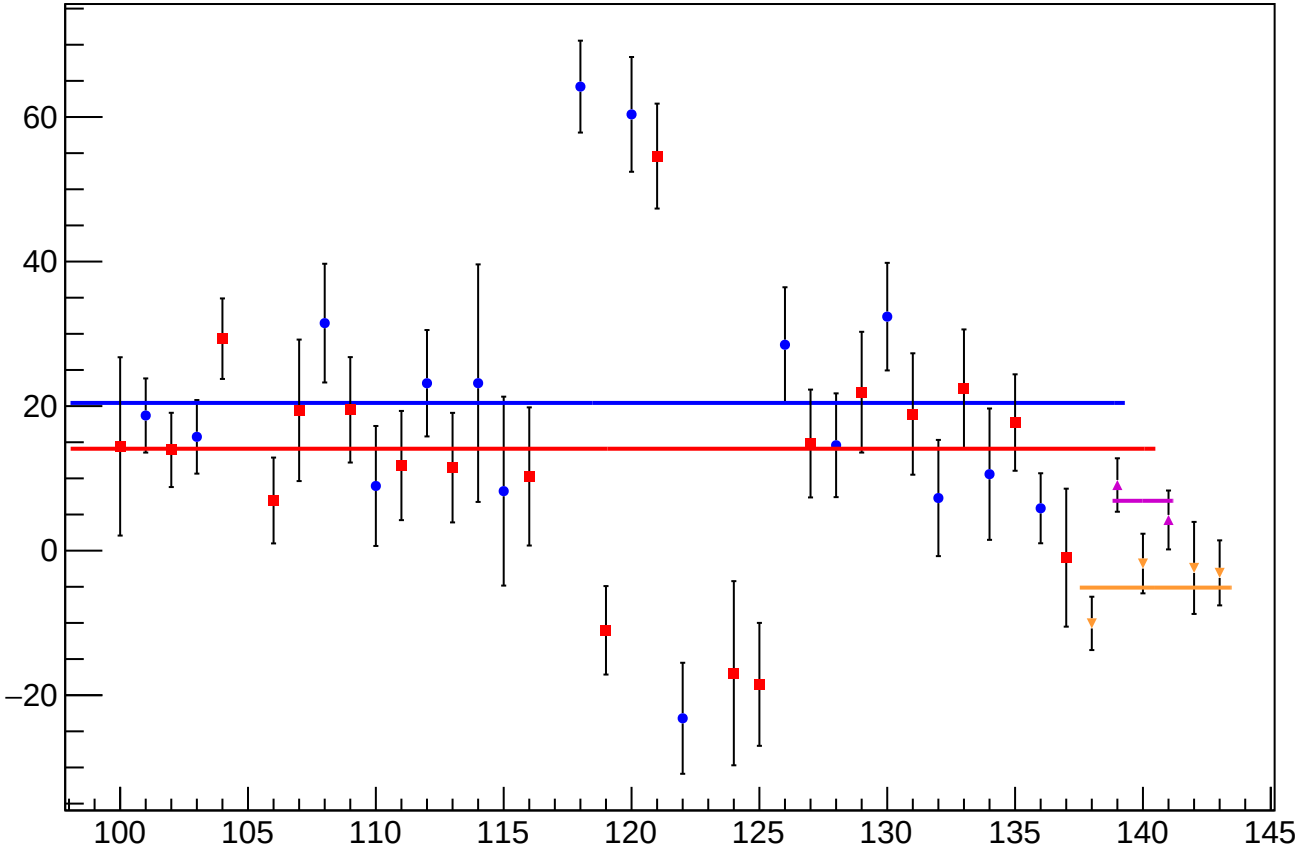
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 76606.399+/-18.228 χ^2/NDF:254643.7/17

Out: 76313.278+/-16.863 χ^2/NDF:248238.9/22

All: 76448.454+/-12.379 χ^2/NDF: 503022.0/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.113+/-2.202 χ^2/NDF:2.8/3

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: -0.398+/-1.716 χ^2/NDF: 15.3/5

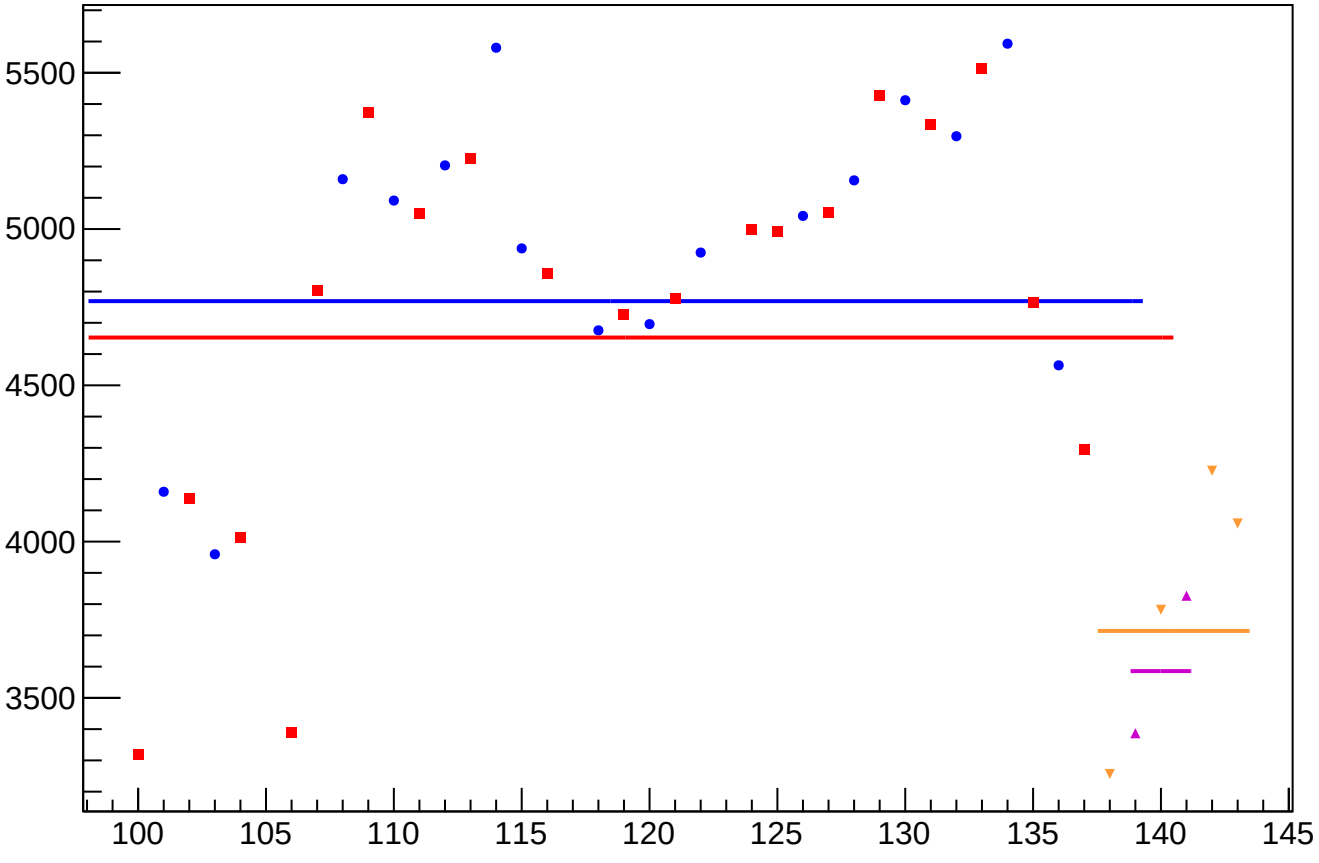
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 16.413+/-1.494 χ^2/NDF:145.8/17

Out: 6.853+/-1.352 χ^2/NDF:134.0/22

All: 11.159+/-1.002 χ^2/NDF: 302.3/40

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3714.176+/-1.557 χ^2/NDF:55958.8/3

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: 3663.736+/-1.213 χ^2/NDF: 71418.9/5

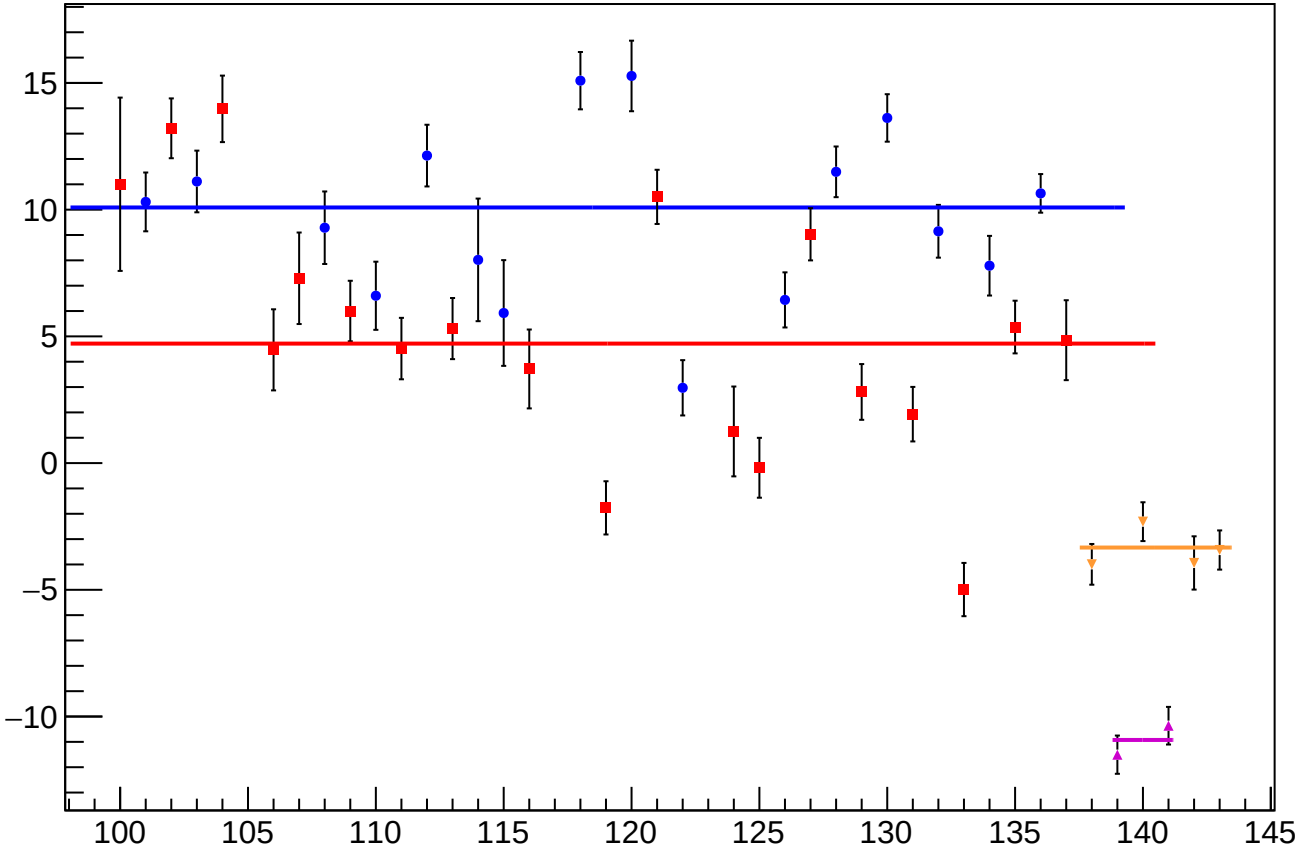
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4417.293+/-1.056 χ^2/NDF:426955.9/17

Out: 4298.760+/-0.956 χ^2/NDF:547526.7/22

All: 4352.153+/-0.709 χ^2/NDF: 981404.9/40

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.332+/-0.414 χ^2/NDF:2.8/3

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: -6.216+/-0.326 χ^2/NDF: 131.6/5

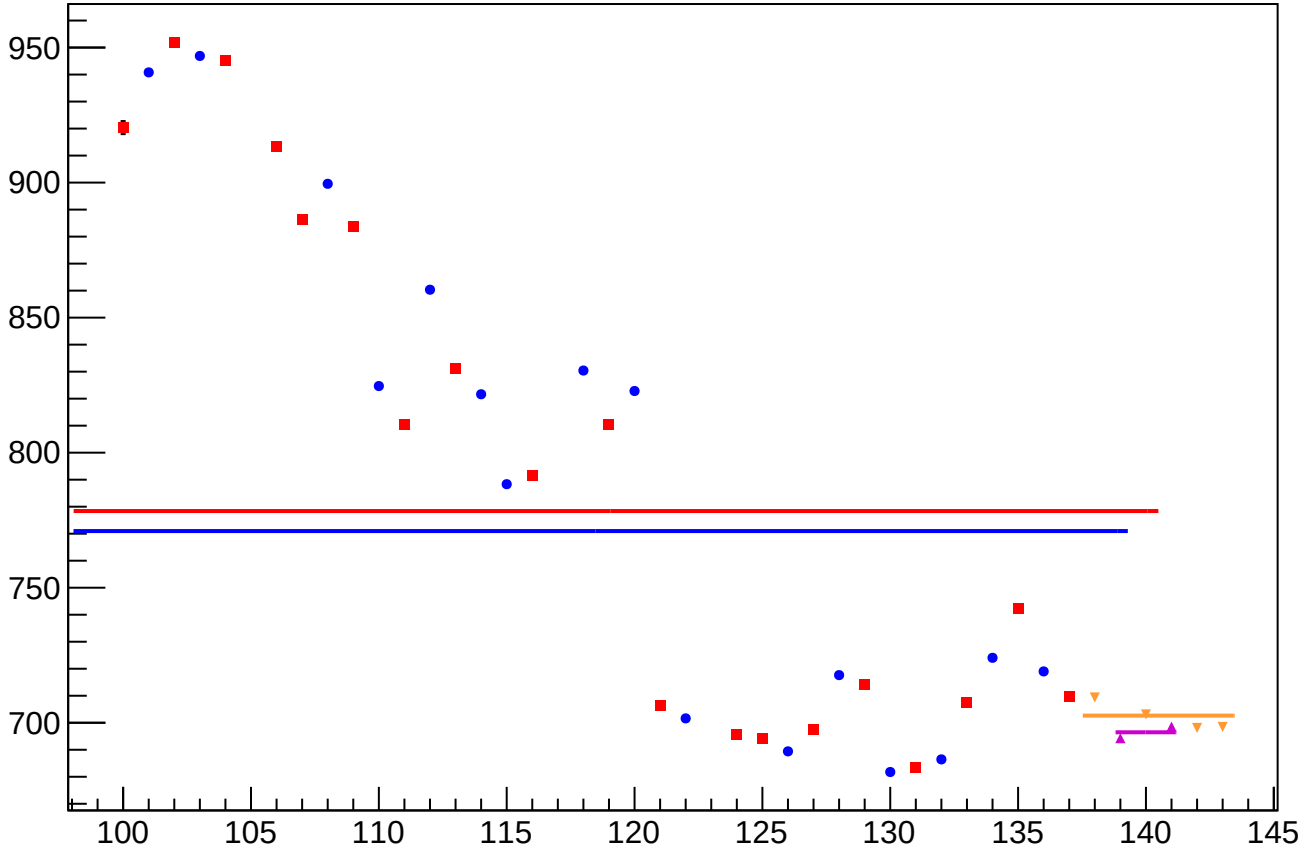
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 5.276+/-0.253 χ^2/NDF:1340.3/17

Out: 2.119+/-0.235 χ^2/NDF:568.8/22

All: 3.582+/-0.172 χ^2/NDF: 1992.6/40

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 702.644+/-0.293 χ^2/NDF:236.9/3

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: 700.300+/-0.231 χ^2/NDF: 438.5/5

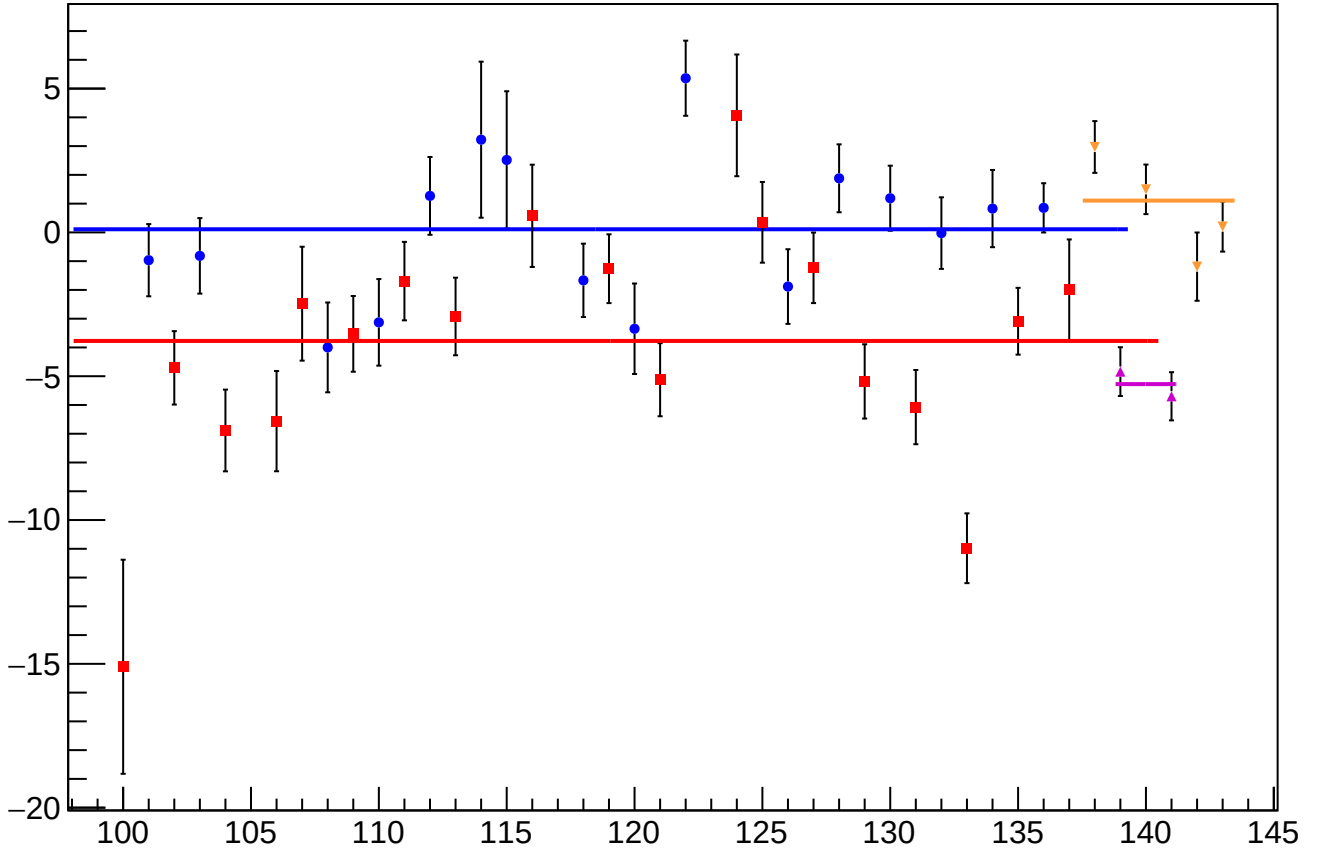
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 753.918+/-0.179 χ^2/NDF:223503.7/17

Out: 753.962+/-0.166 χ^2/NDF:242109.3/22

All: 753.942+/-0.122 χ^2/NDF: 465613.0/40

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.106+/-0.465 χ^2/NDF:9.3/3

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: -1.310+/-0.367 χ^2/NDF: 81.0/5

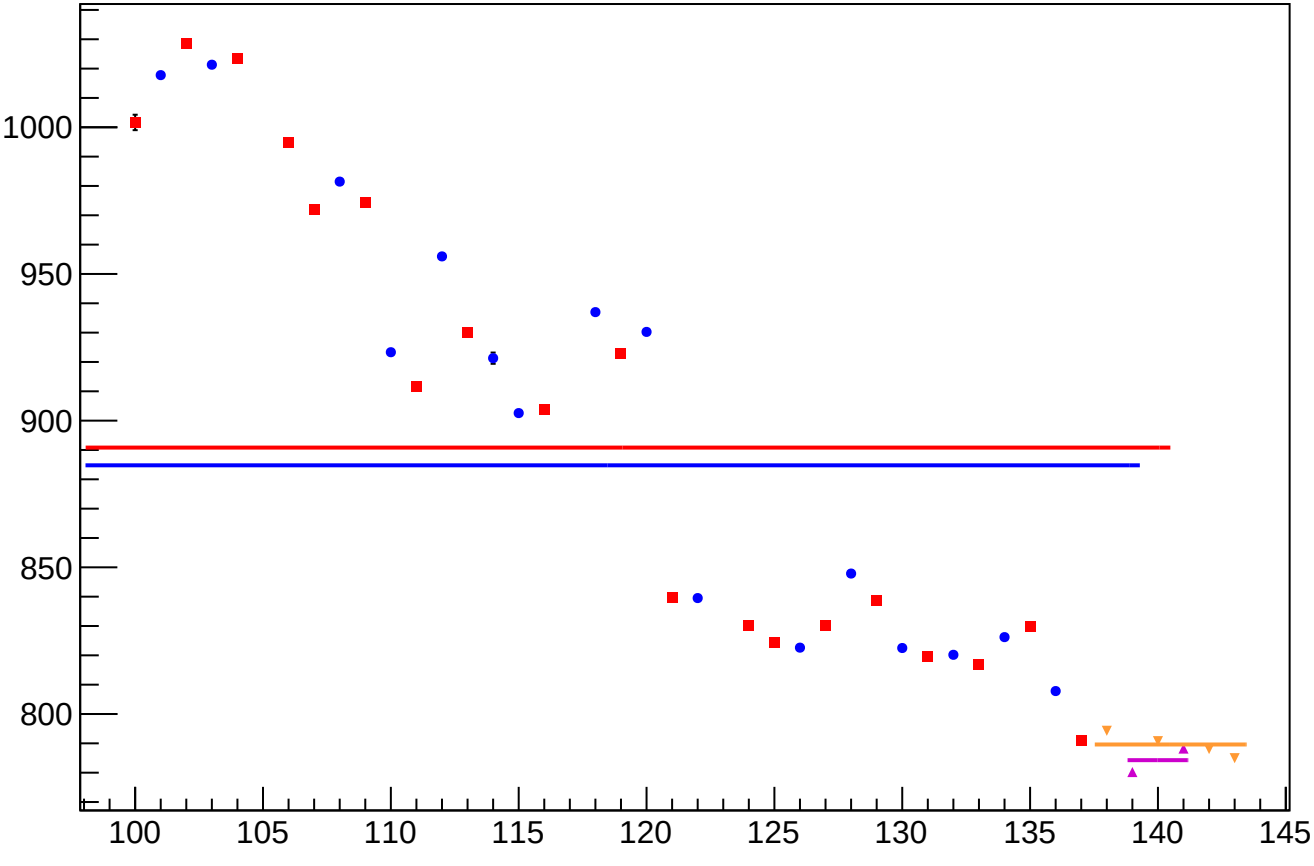
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.153+/-0.289 χ^2/NDF:108.3/17

Out: -2.167+/-0.267 χ^2/NDF:182.6/22

All: -1.700+/-0.196 χ^2/NDF: 297.6/40

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 789.610+/-0.329 χ^2/NDF:118.4/3

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: 787.587+/-0.259 χ^2/NDF: 308.3/5

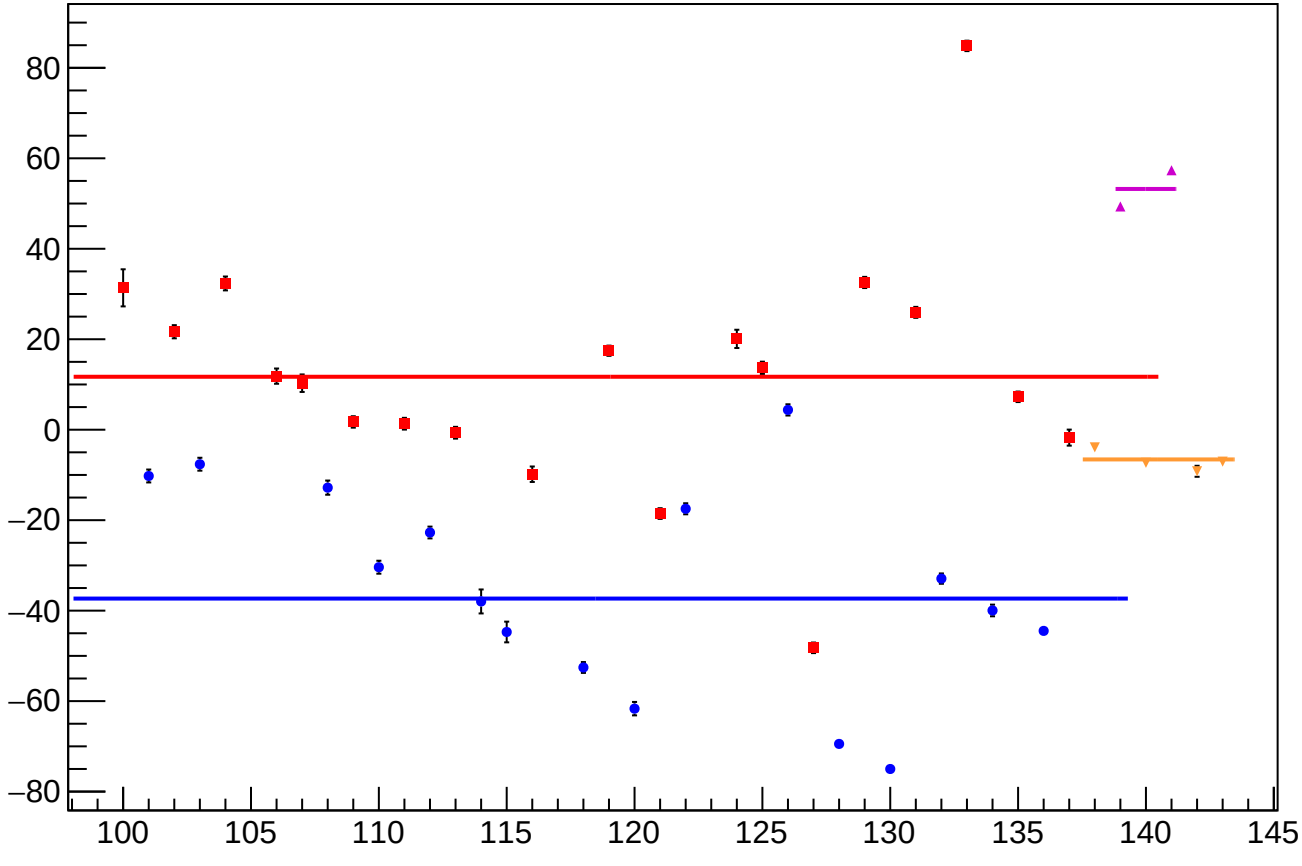
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 861.203+/-0.204 χ^2/NDF:148116.1/17

Out: 857.492+/-0.189 χ^2/NDF:171325.9/22

All: 859.203+/-0.139 χ^2/NDF: 319620.2/40

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -6.571+/-0.473 χ^2/NDF:14.6/3

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: 16.023+/-0.373 χ^2/NDF: 6092.4/5

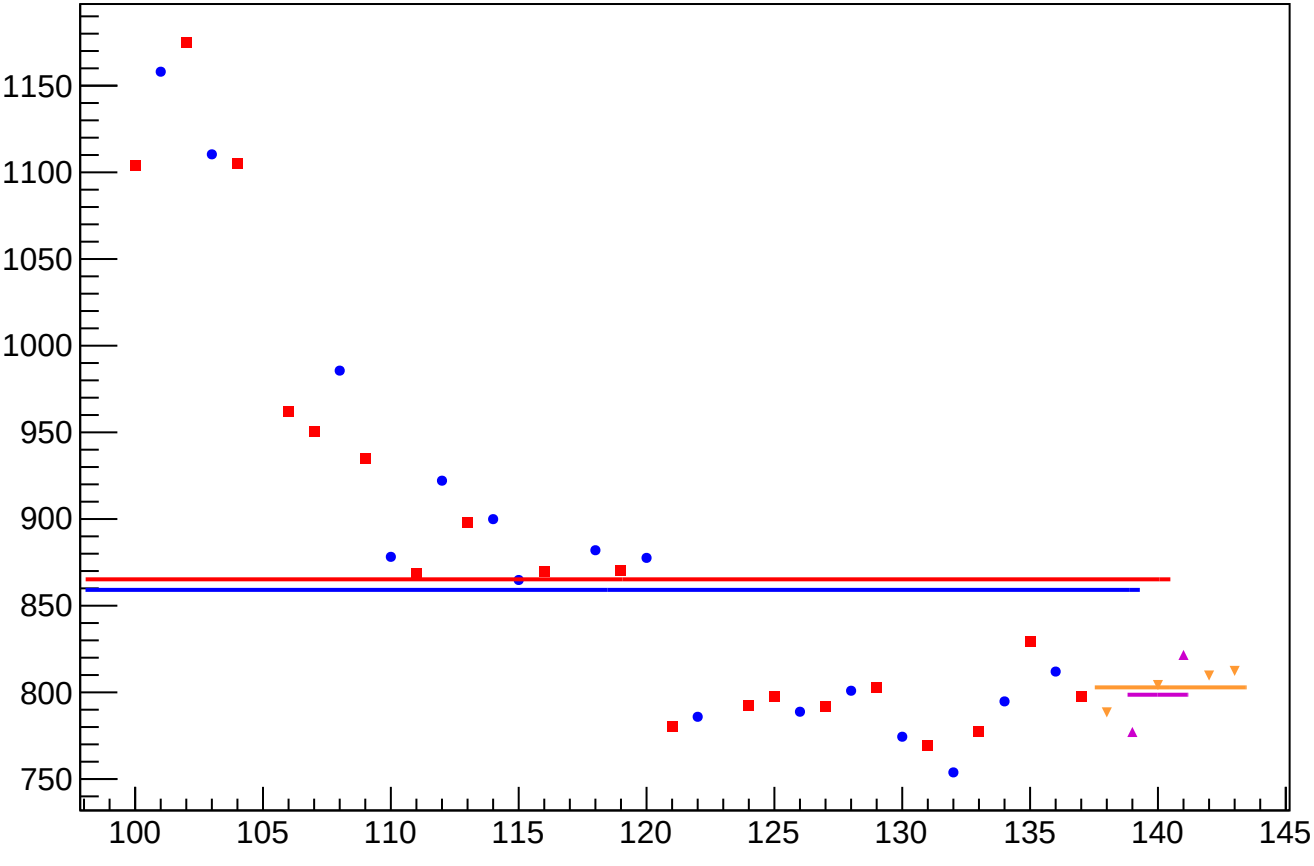
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -17.476+/-0.284 χ^2/NDF:22596.2/17

Out: 6.021+/-0.264 χ^2/NDF:9506.2/22

All: -4.854+/-0.193 χ^2/NDF: 35772.4/40

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 802.881+/-0.335 χ^2/NDF:812.8/3

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: 801.278+/-0.264 χ^2/NDF: 3550.5/5

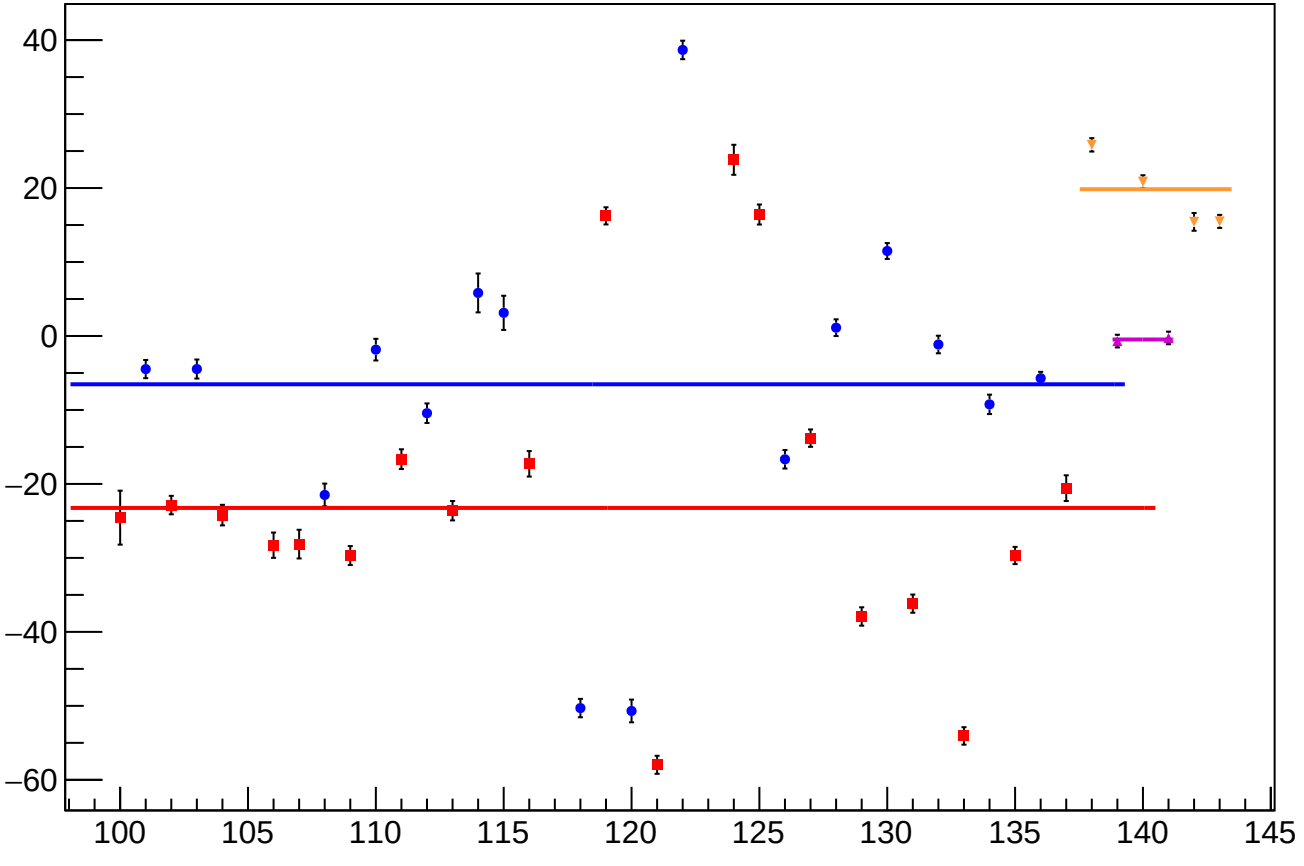
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 845.864+/-0.201 χ^2/NDF:246886.4/17

Out: 845.826+/-0.187 χ^2/NDF:248395.0/22

All: 845.844+/-0.137 χ^2/NDF: 495281.4/40

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.839+/-0.472 χ^2/NDF:82.8/3

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: 12.171+/-0.372 χ^2/NDF: 782.5/5

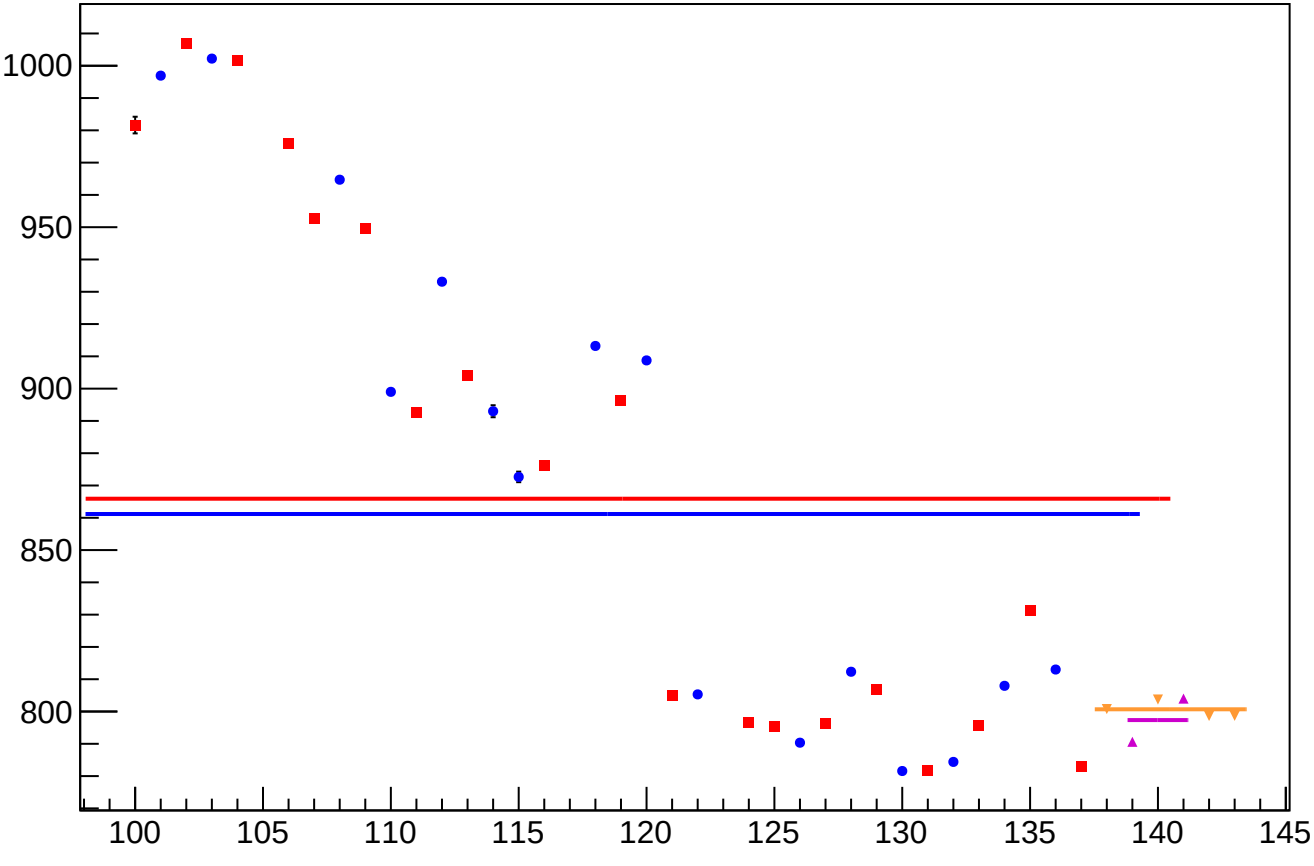
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -5.200+/-0.284 χ^2/NDF:4024.2/17

Out: -9.844+/-0.263 χ^2/NDF:10296.7/22

All: -7.697+/-0.193 χ^2/NDF: 14464.8/40

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 800.688+/-0.334 χ^2/NDF:40.4/3

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 797.350+/-0.428 χ^2/NDF:243.6/1

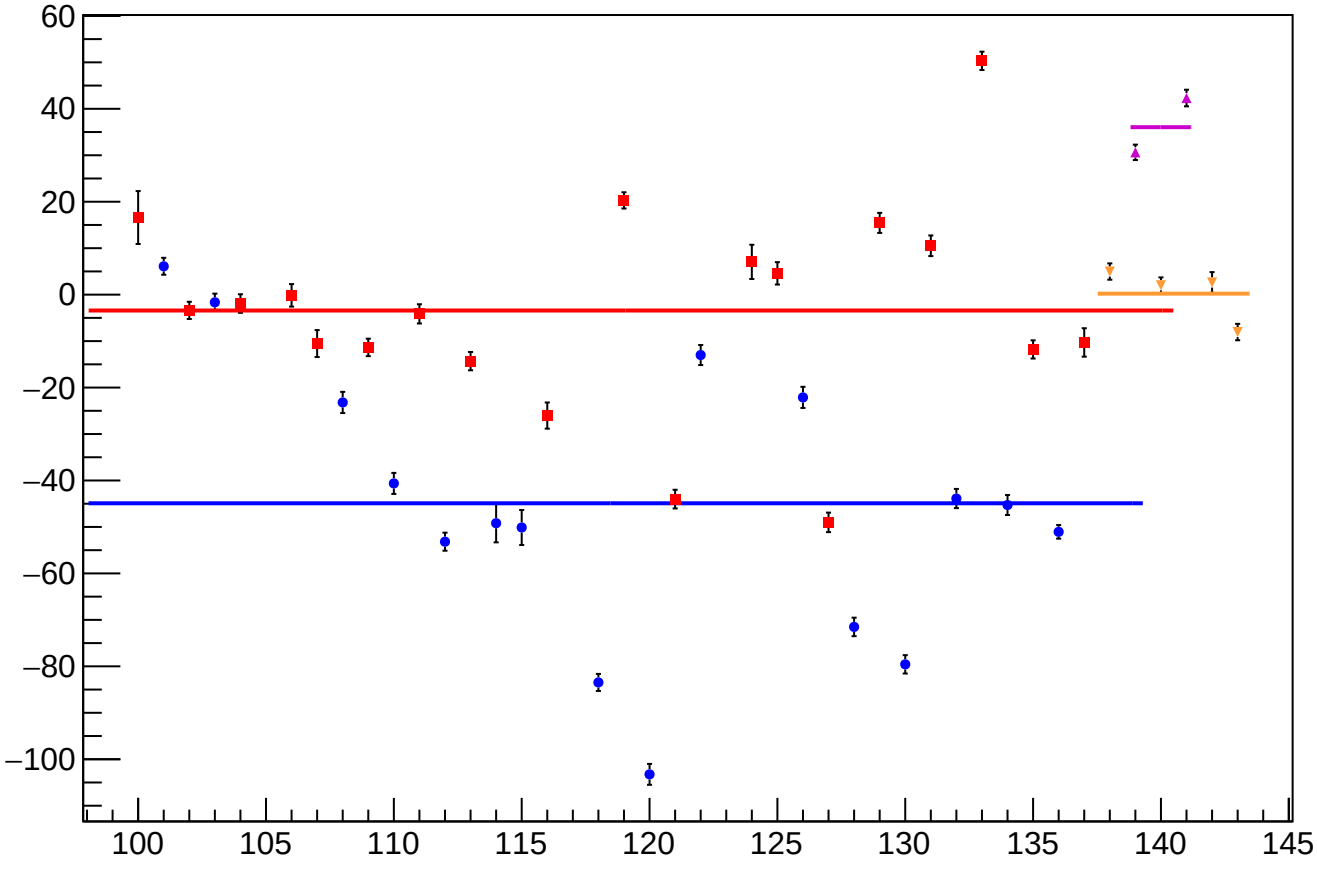
Left: 799.428+/-0.263 χ^2/NDF: 321.8/5

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 847.171+/-0.201 χ^2/NDF:131093.5/17

Out: 845.623+/-0.186 χ^2/NDF:144784.6/22

All: 846.338+/-0.136 χ^2/NDF: 275910.1/40



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 0.215+/-0.916 χ^2/NDF:31.5/3

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: 13.184+/-0.732 χ^2/NDF: 608.1/5

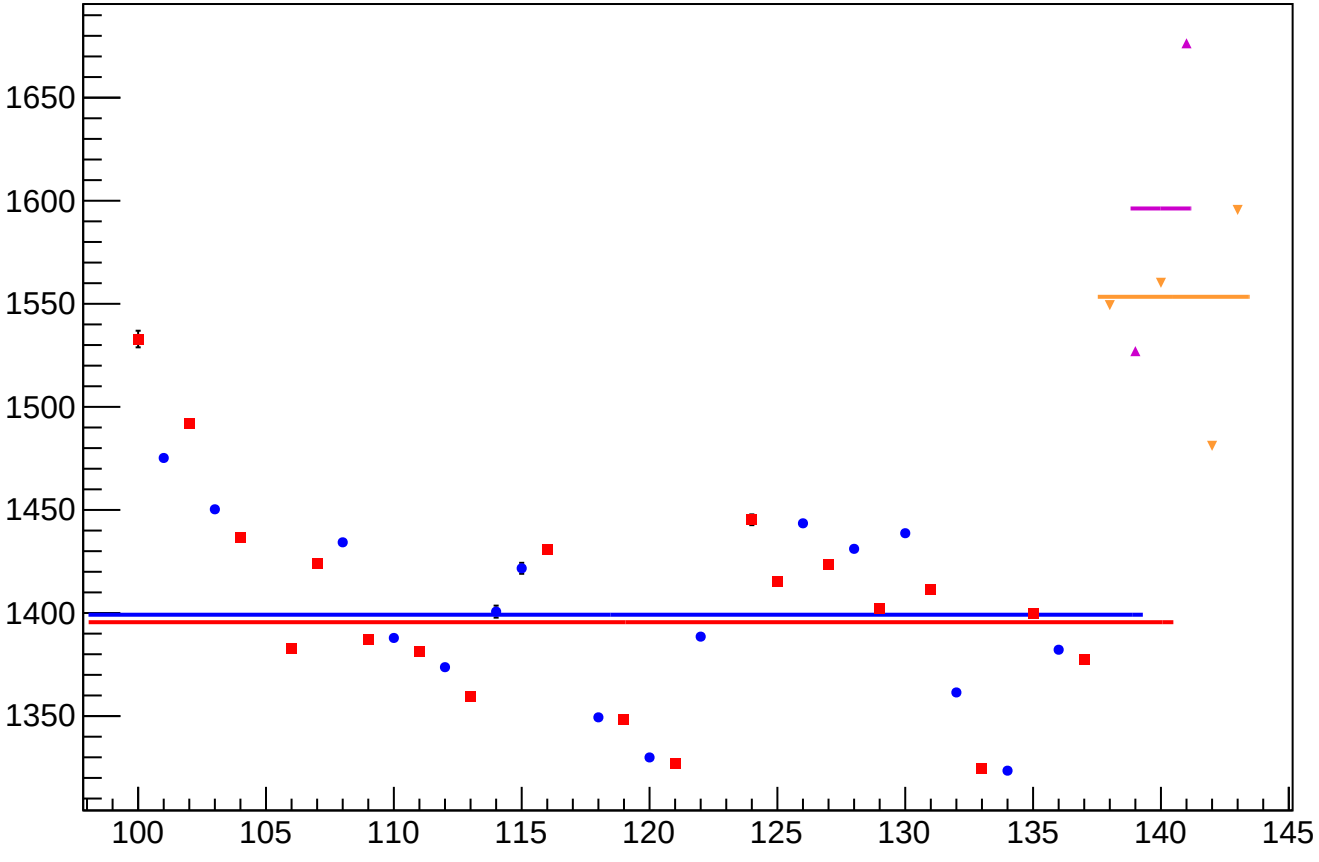
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -32.402+/-0.478 χ^2/NDF:7145.2/17

Out: -2.559+/-0.445 χ^2/NDF:2145.7/22

All: -16.414+/-0.326 χ^2/NDF: 11378.4/40

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1553.403+/-0.648 χ^2/NDF:3280.4/3

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: 1568.910+/-0.517 χ^2/NDF: 12359.9/5

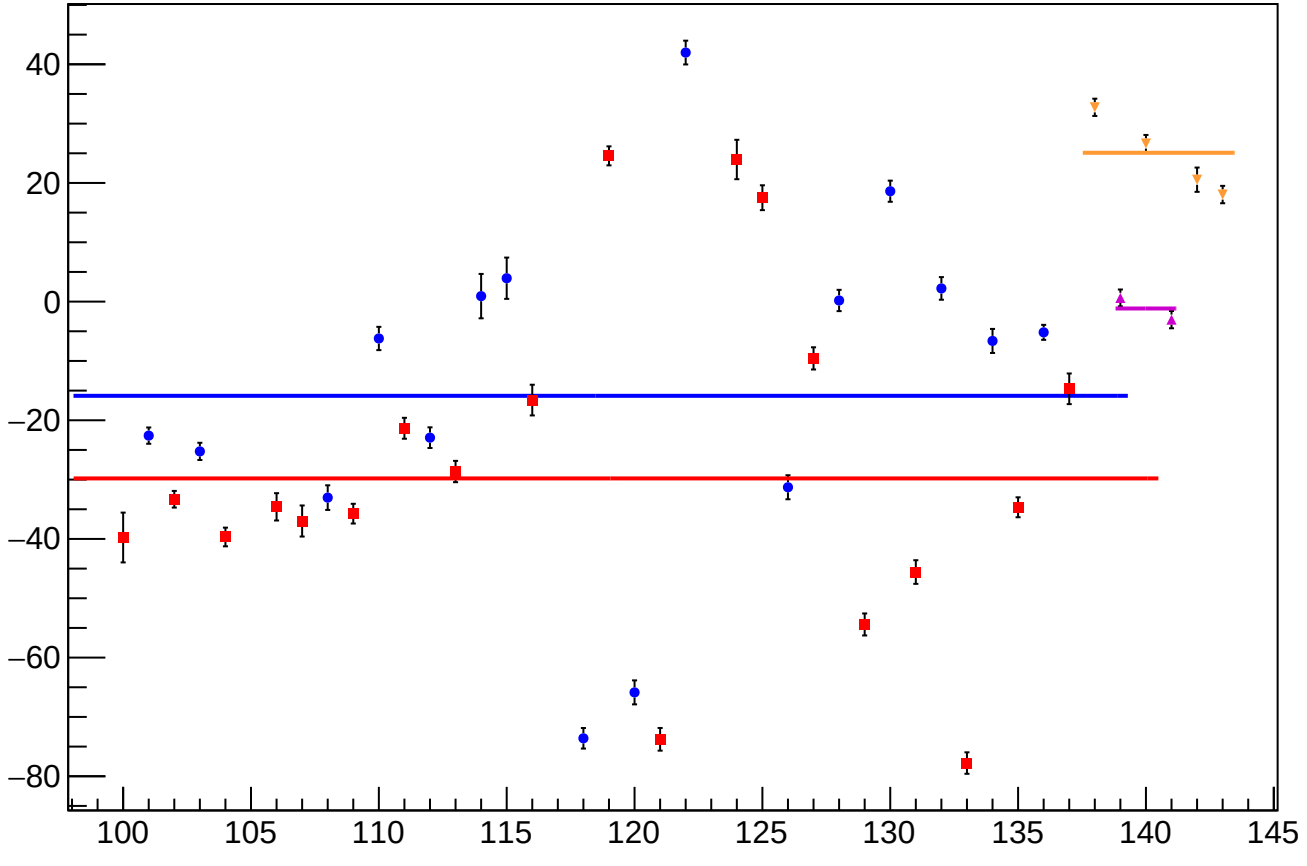
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1429.611+/-0.338 χ^2/NDF:66727.6/17

Out: 1432.797+/-0.315 χ^2/NDF:64887.7/22

All: 1431.318+/-0.230 χ^2/NDF: 131662.9/40

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 25.087+/-0.777 χ^2/NDF:56.9/3

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -1.159+/-1.018 χ^2/NDF:3.2/1

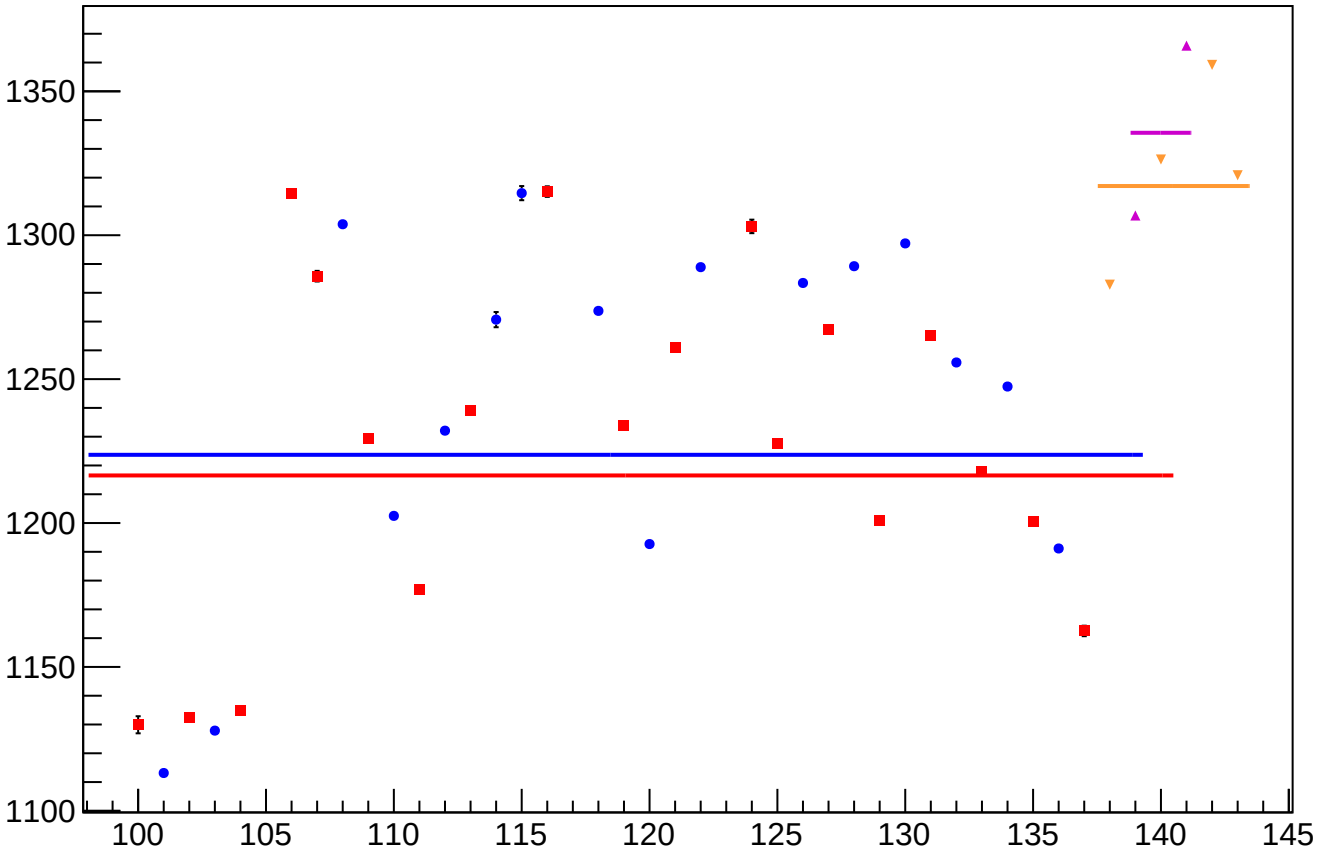
Left: 15.422+/-0.618 χ^2/NDF: 480.4/5

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -13.424+/-0.416 χ^2/NDF:3655.3/17

Out: -16.271+/-0.386 χ^2/NDF:7498.9/22

All: -14.953+/-0.283 χ^2/NDF: 11179.5/40



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1317.094+/-0.549 χ^2/NDF:2050.0/3

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1335.590+/-0.720 χ^2/NDF:1680.5/1

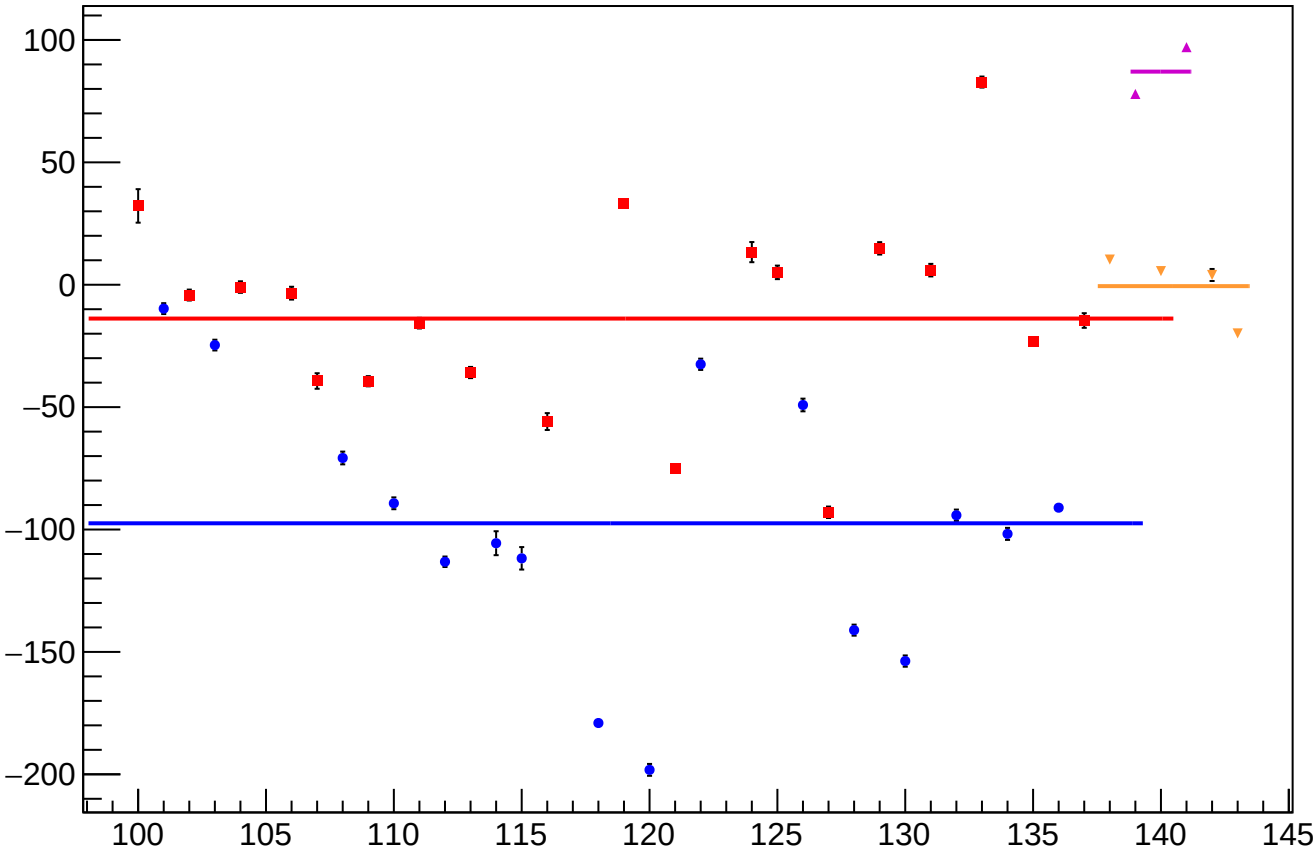
Left: 1323.905+/-0.437 χ^2/NDF: 4147.8/5

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1242.360+/-0.294 χ^2/NDF:62710.6/17

Out: 1241.320+/-0.273 χ^2/NDF:56678.8/22

All: 1241.801+/-0.200 χ^2/NDF: 119396.1/40



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -0.568+/-0.956 χ^2/NDF:165.9/3

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: 31.345+/-0.762 χ^2/NDF: 3281.8/5

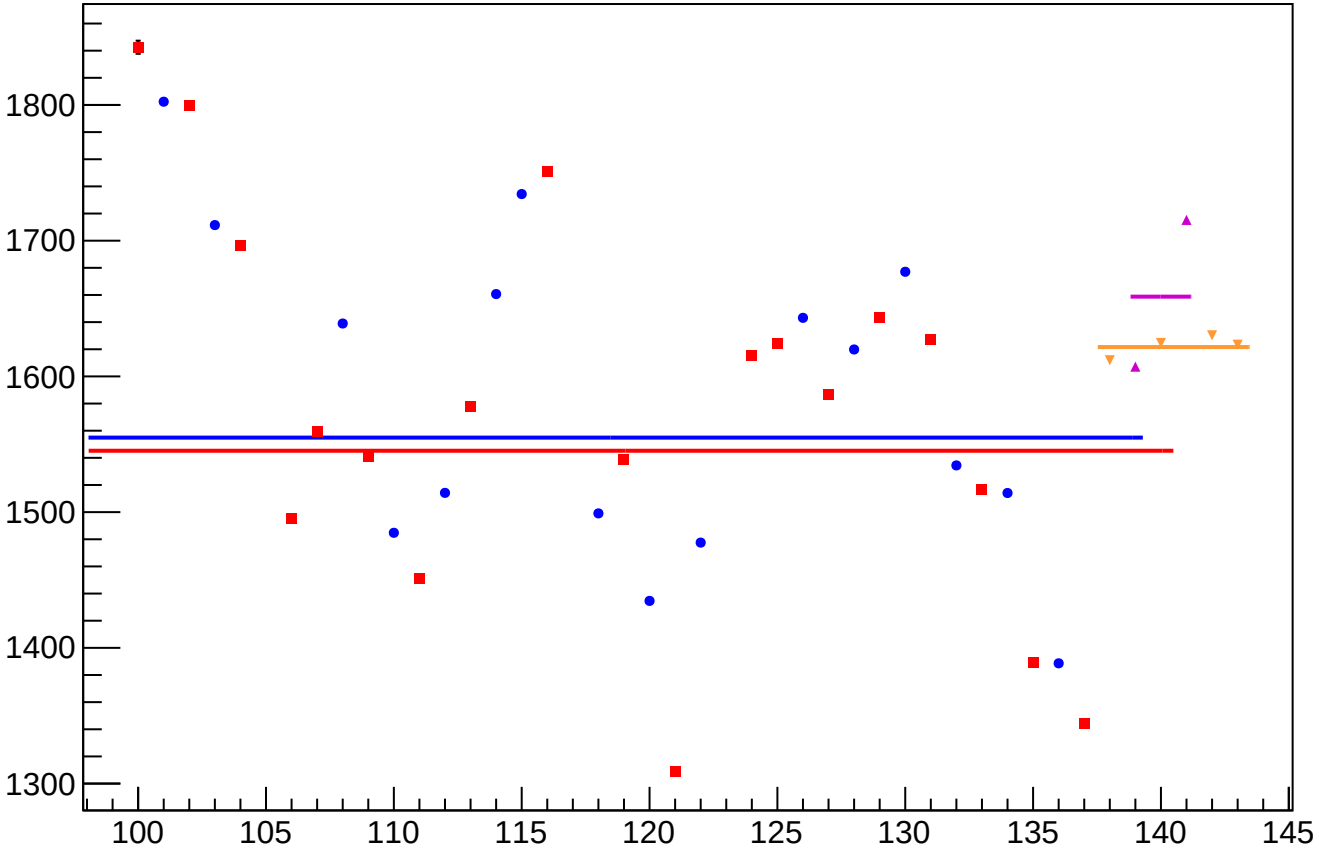
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -65.391+/-0.527 χ^2/NDF:25980.0/17

Out: -10.382+/-0.487 χ^2/NDF:5660.3/22

All: -35.728+/-0.358 χ^2/NDF: 37522.8/40

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1621.638+/-0.676 χ^2/NDF:89.1/3

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1658.772+/-0.893 χ^2/NDF:3654.2/1

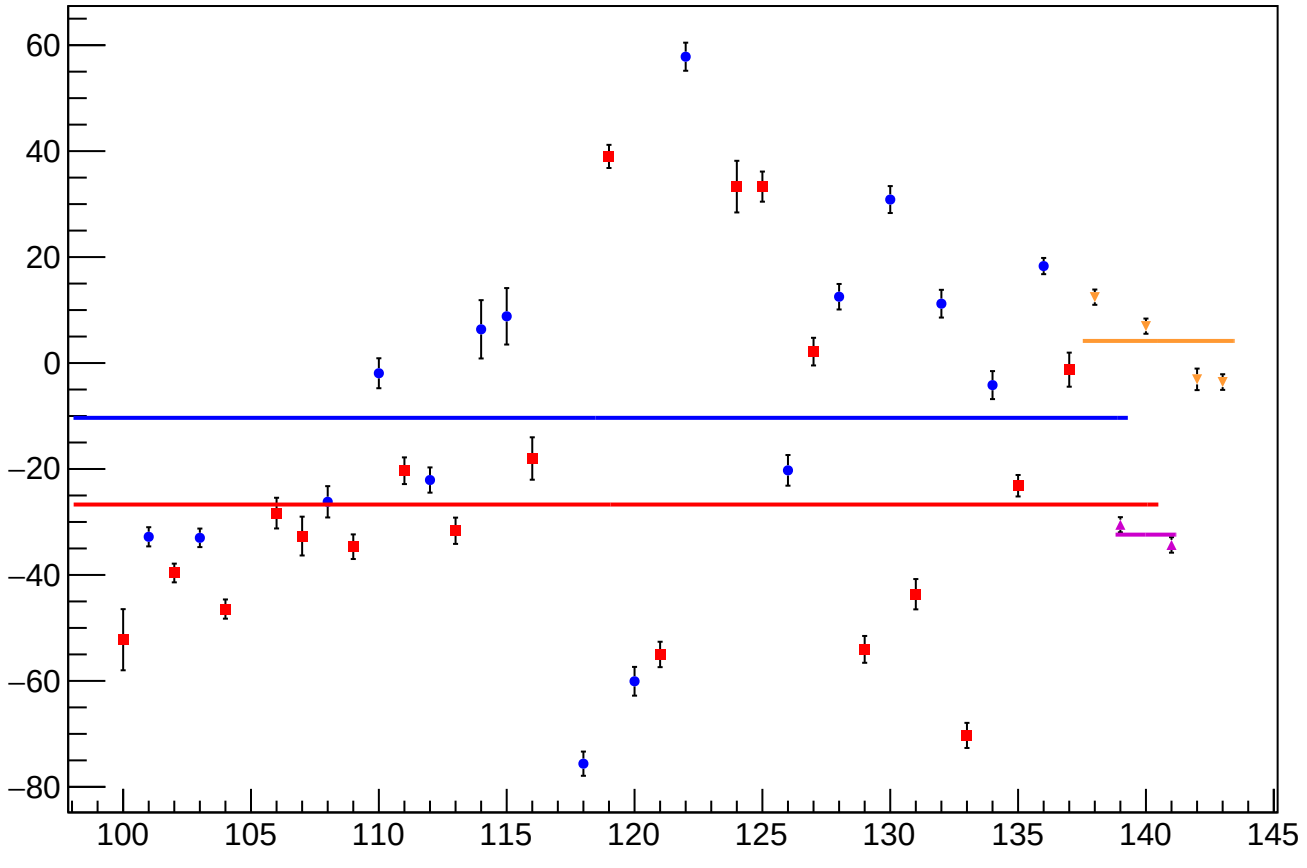
Left: 1635.161+/-0.539 χ^2/NDF: 4841.8/5

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

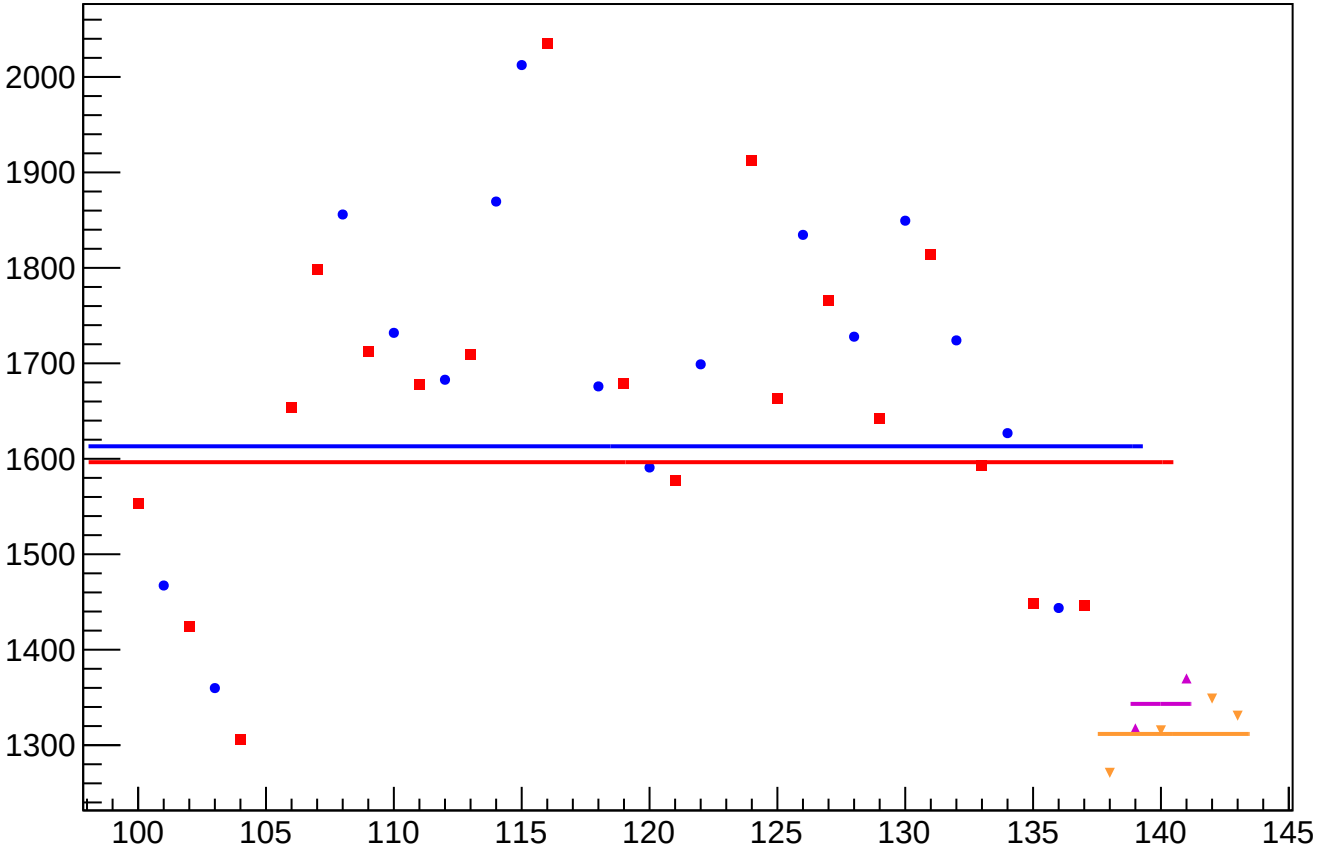
In: 1572.957+/-0.372 χ^2/NDF:102741.4/17

Out: 1565.045+/-0.344 χ^2/NDF:118336.5/22

All: 1568.691+/-0.253 χ^2/NDF: 221321.3/40


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
105
110
115
120
125
130
135
140
145
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 4.174+/-0.774 χ²/NDF:76.9/3
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -32.391+/-1.023 χ²/NDF:3.5/1
Left: -9.142+/-0.617 χ²/NDF: 892.7/5
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -16.031+/-0.520 χ²/NDF:3355.1/17
Out: -15.452+/-0.467 χ²/NDF:3628.8/22
All: -15.711+/-0.347 χ²/NDF: 6984.6/40

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1311.766+/-0.547 χ^2/NDF:2608.0/3

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: 1323.227+/-0.437 χ^2/NDF: 5117.7/5

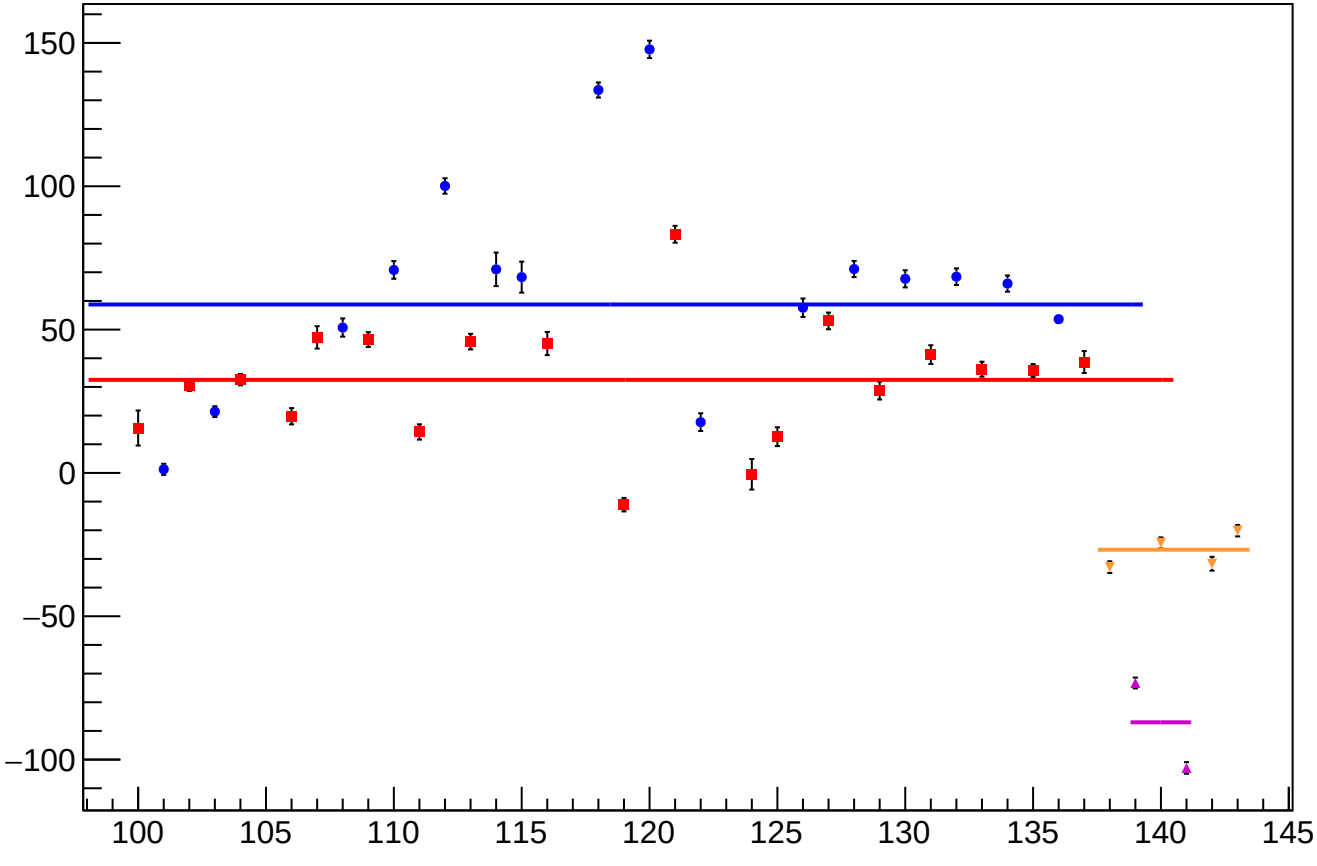
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1543.490+/-0.367 χ^2/NDF:259285.3/17

Out: 1492.676+/-0.331 χ^2/NDF:335156.5/22

All: 1515.407+/-0.246 χ^2/NDF: 605014.4/40

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.782+/-1.035 χ^2/NDF:25.6/3

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: -48.433+/-0.828 χ^2/NDF: 1358.1/5

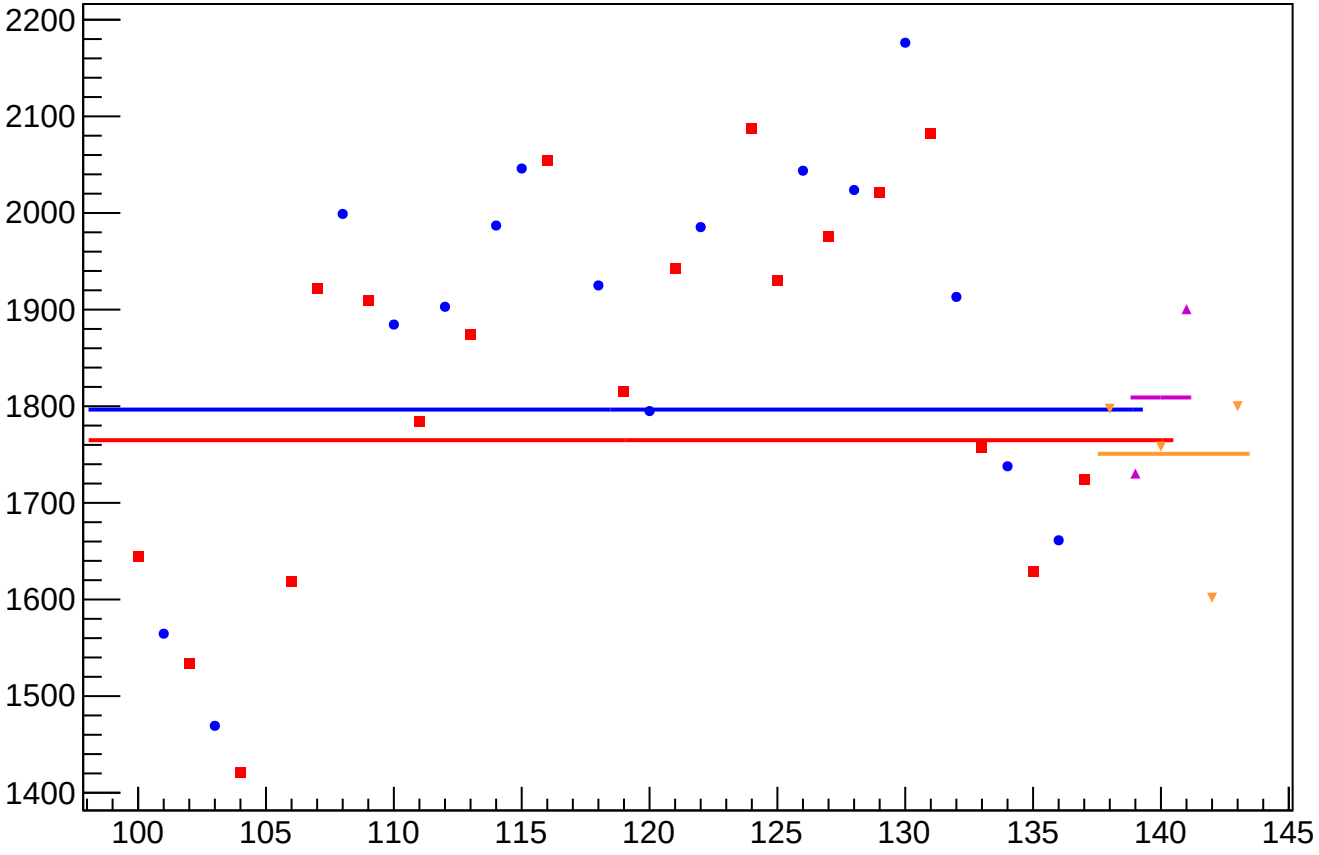
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 30.821+/-0.605 χ^2/NDF:12564.2/17

Out: 15.757+/-0.549 χ^2/NDF:3310.9/22

All: 22.571+/-0.407 χ^2/NDF: 16215.1/40

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1750.787+/-0.732 χ^2/NDF:9902.4/3

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: 1771.744+/-0.585 χ^2/NDF: 19728.6/5

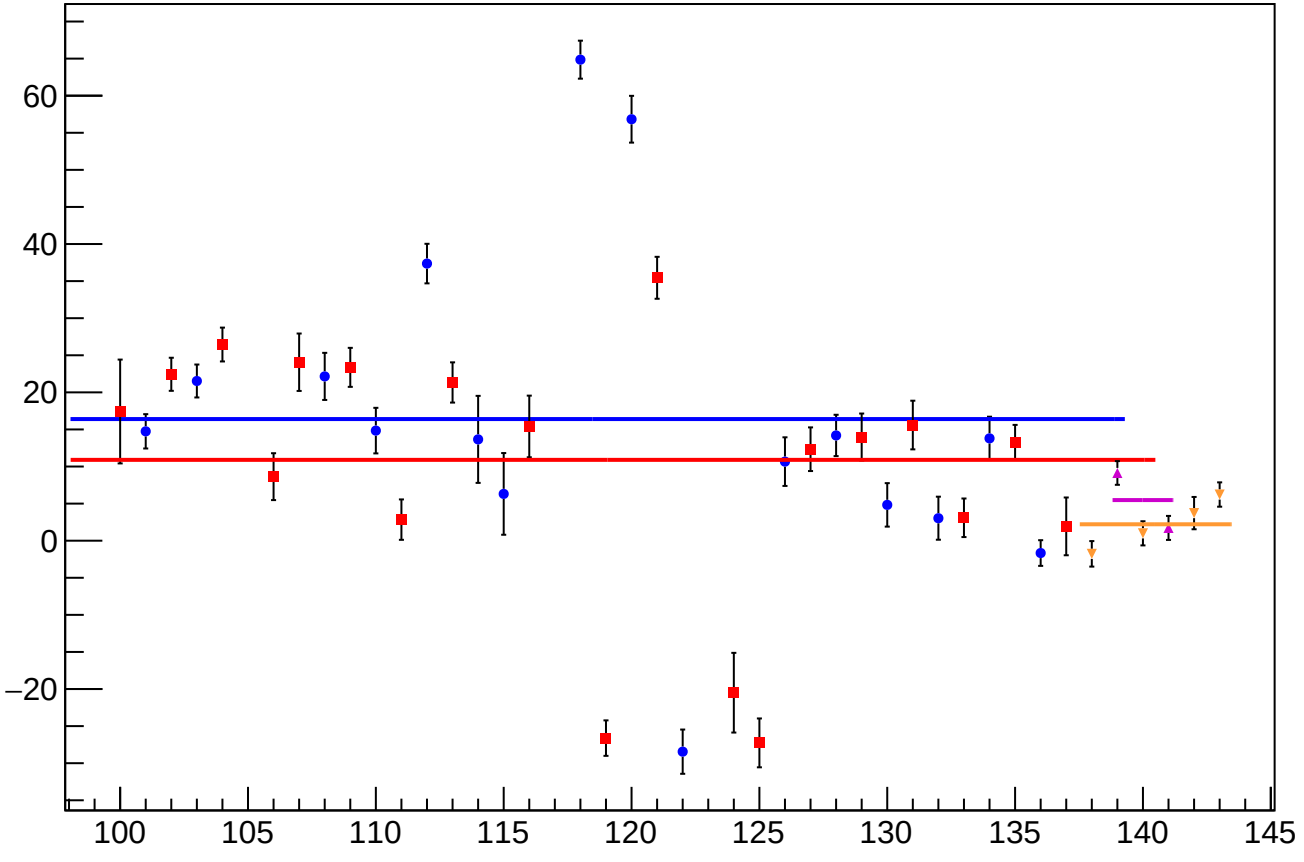
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1798.955+/-0.427 χ^2/NDF:200848.6/17

Out: 1760.891+/-0.389 χ^2/NDF:200155.9/22

All: 1778.109+/-0.288 χ^2/NDF: 405346.3/40

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.213+/-0.878 χ^2/NDF:12.4/3

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: 3.431+/-0.695 χ^2/NDF: 28.2/5

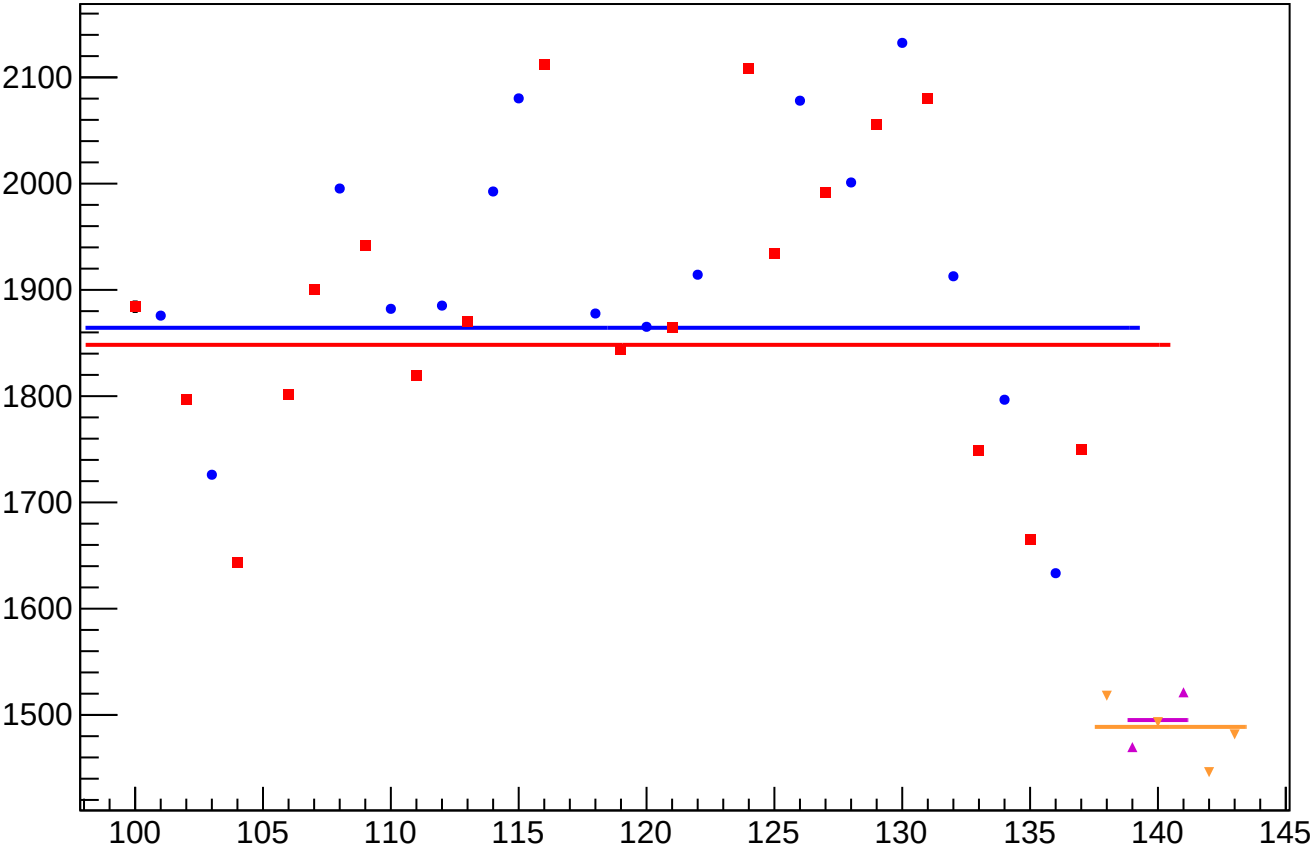
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 13.430+/-0.593 χ^2/NDF:1050.7/17

Out: 7.664+/-0.536 χ^2/NDF:715.5/22

All: 10.255+/-0.398 χ^2/NDF: 1818.3/40

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1488.749+/-0.621 χ^2/NDF:1398.1/3

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: 1491.156+/-0.491 χ^2/NDF: 2466.4/5

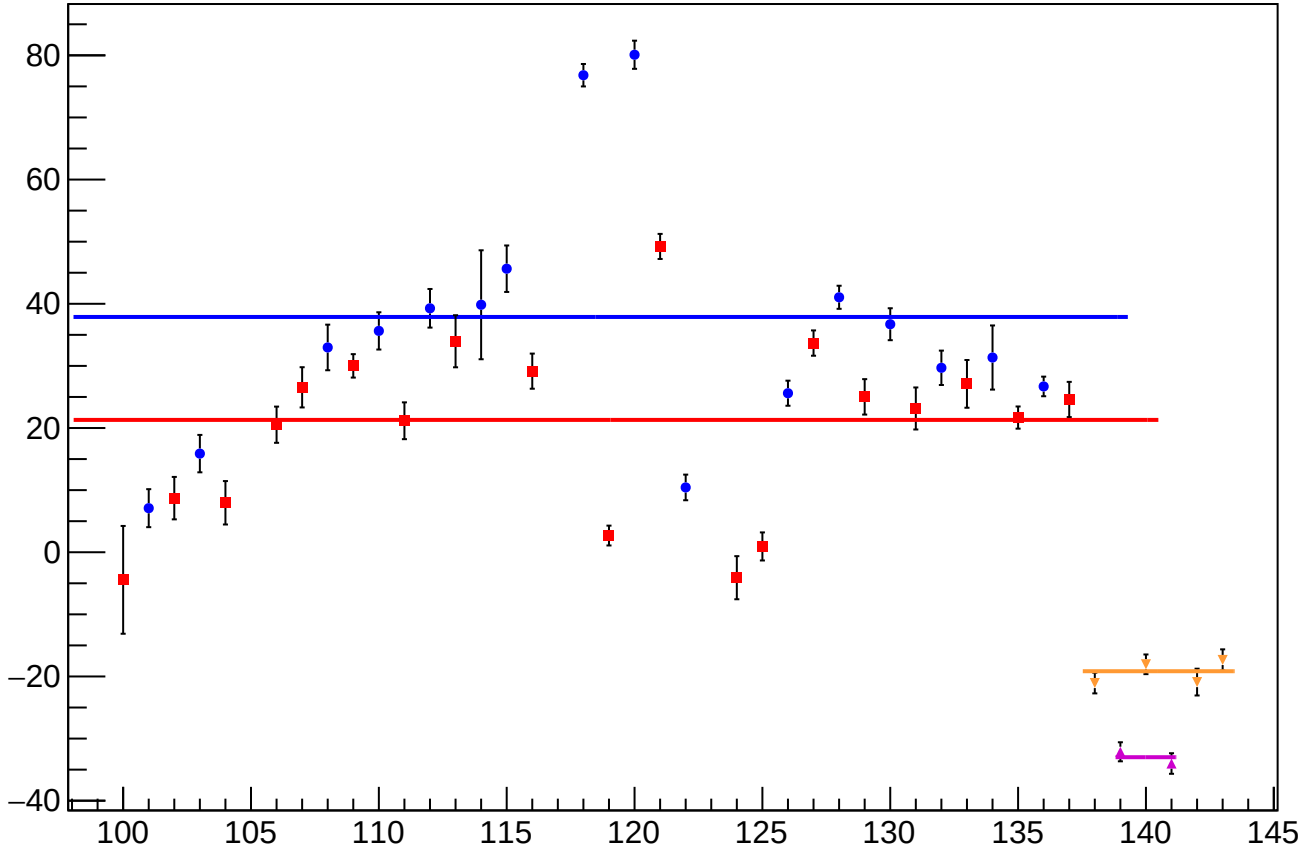
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1763.973+/-0.419 χ^2/NDF:237750.5/17

Out: 1714.391+/-0.379 χ^2/NDF:286881.9/22

All: 1736.672+/-0.281 χ^2/NDF: 532330.8/40

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.156+/-0.872 χ^2/NDF:3.6/3

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: -24.350+/-0.689 χ^2/NDF: 98.9/5

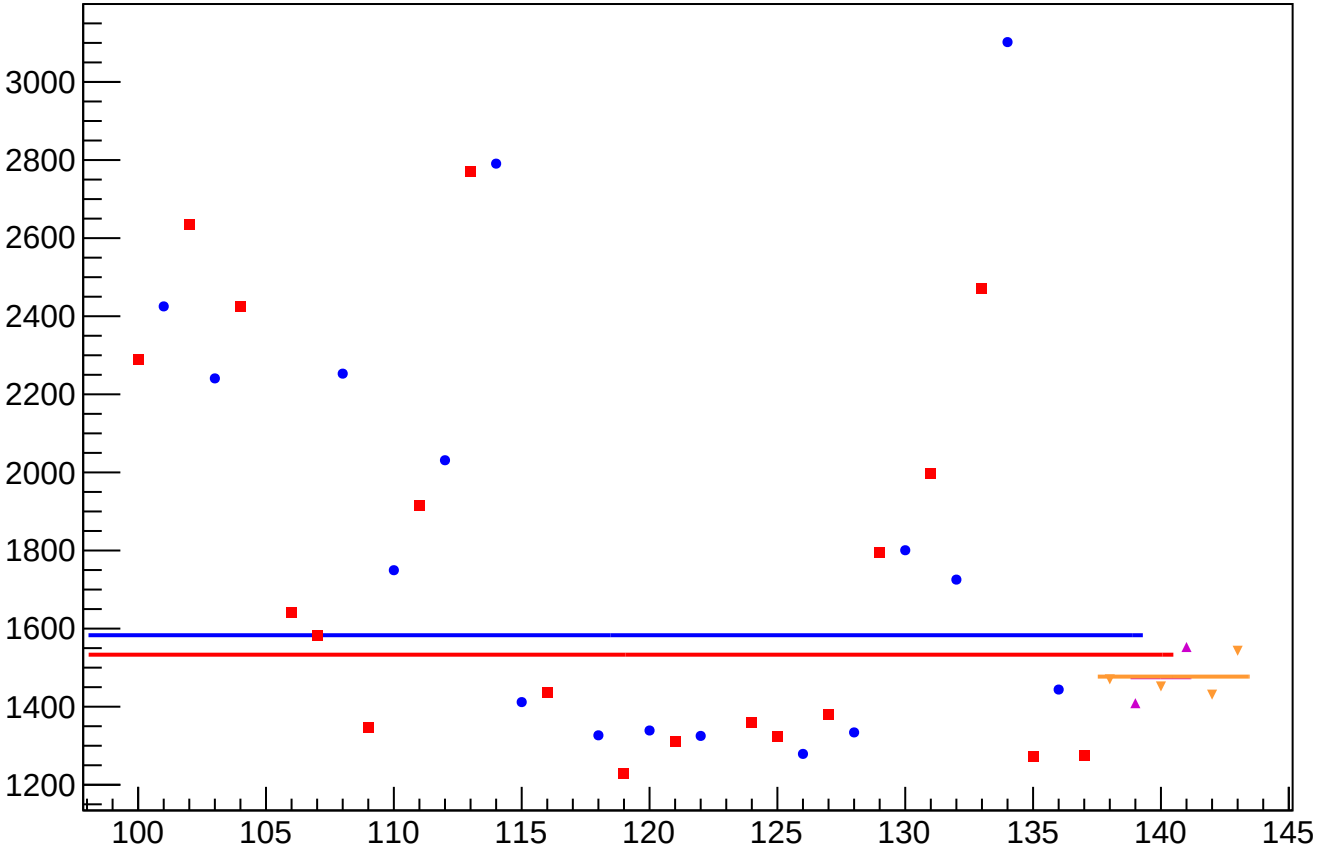
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 21.272+/-0.545 χ^2/NDF:4289.6/17

Out: 8.511+/-0.490 χ^2/NDF:2058.7/22

All: 14.224+/-0.364 χ^2/NDF: 6651.6/40

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1477.047+/-0.617 χ^2/NDF:4452.6/3

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: 1476.439+/-0.487 χ^2/NDF: 12584.3/5

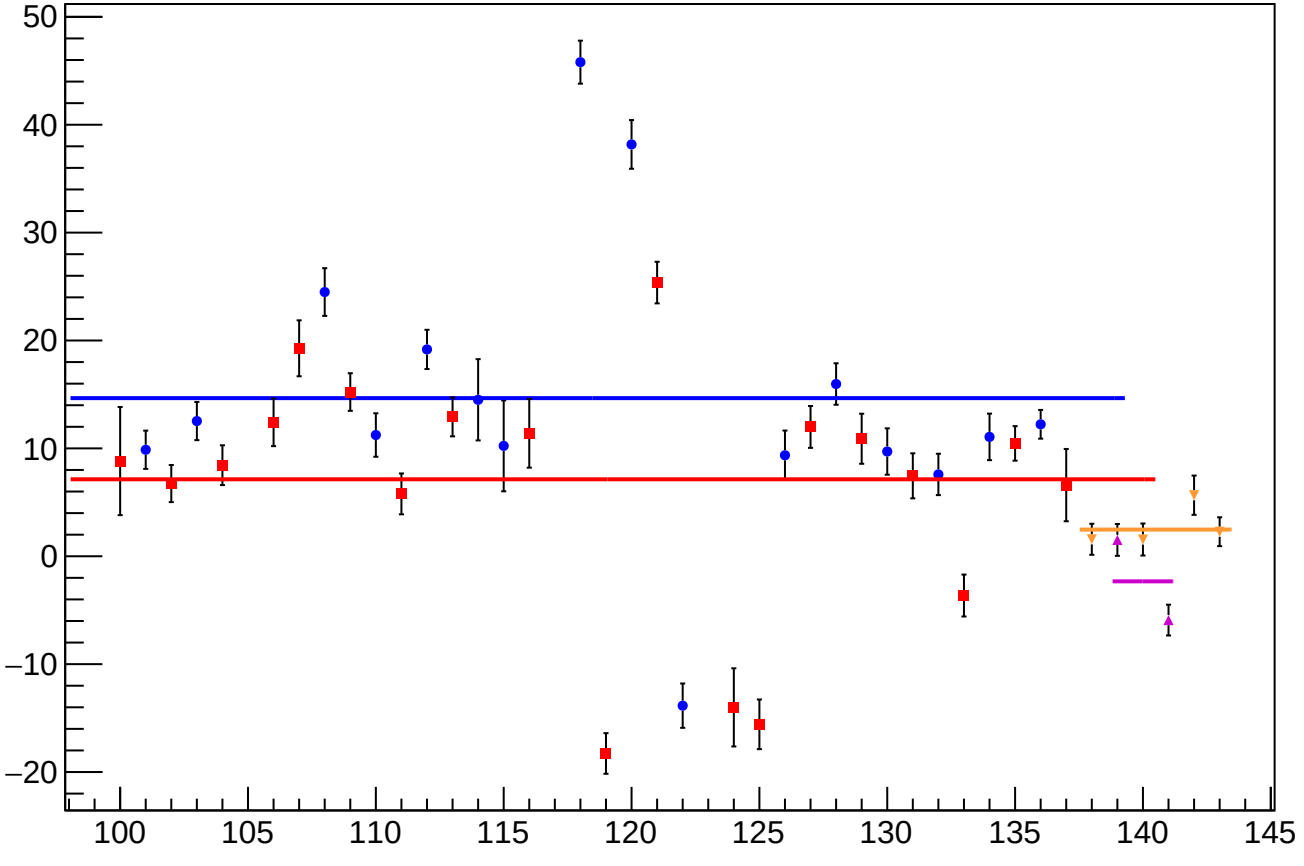
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1557.832+/-0.385 χ^2/NDF:809815.1/17

Out: 1515.436+/-0.347 χ^2/NDF:960900.2/22

All: 1534.416+/-0.258 χ^2/NDF: 1777409.9/40

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.472+/-0.746 χ^2/NDF:3.9/3

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: 0.814+/-0.603 χ^2/NDF: 31.3/5

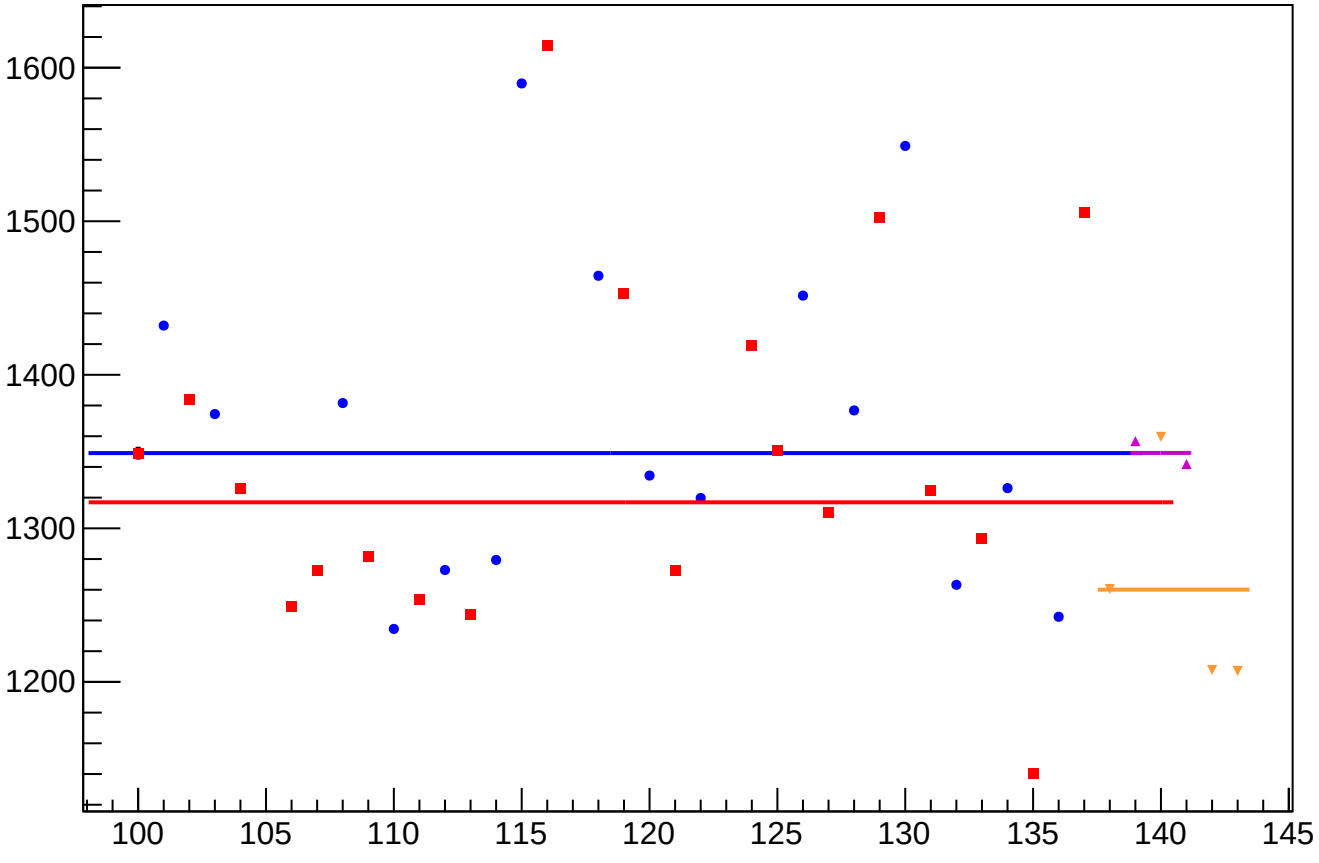
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 11.352+/-0.453 χ^2/NDF:848.4/17

Out: 5.756+/-0.405 χ^2/NDF:540.8/22

All: 8.247+/-0.302 χ^2/NDF: 1474.1/40

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1260.072+/-0.527 χ^2/NDF:13787.5/3

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: 1290.838+/-0.427 χ^2/NDF: 23749.0/5

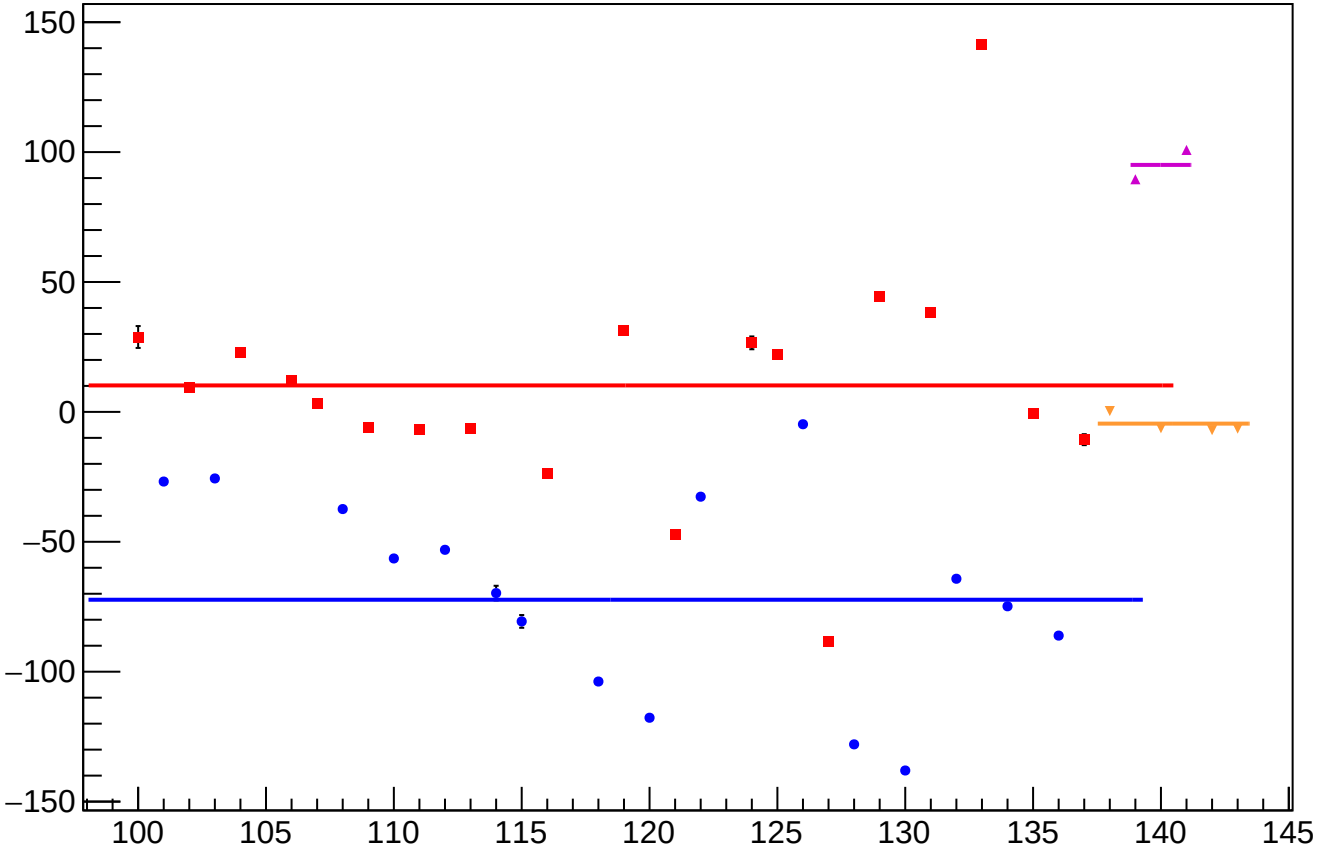
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1349.024+/-0.320 χ^2/NDF:68489.4/17

Out: 1300.136+/-0.287 χ^2/NDF:108860.5/22

All: 1321.896+/-0.214 χ^2/NDF: 190289.8/40

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -4.515+/-0.548 χ^2/NDF:32.2/3

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: 33.753+/-0.430 χ^2/NDF: 12786.2/5

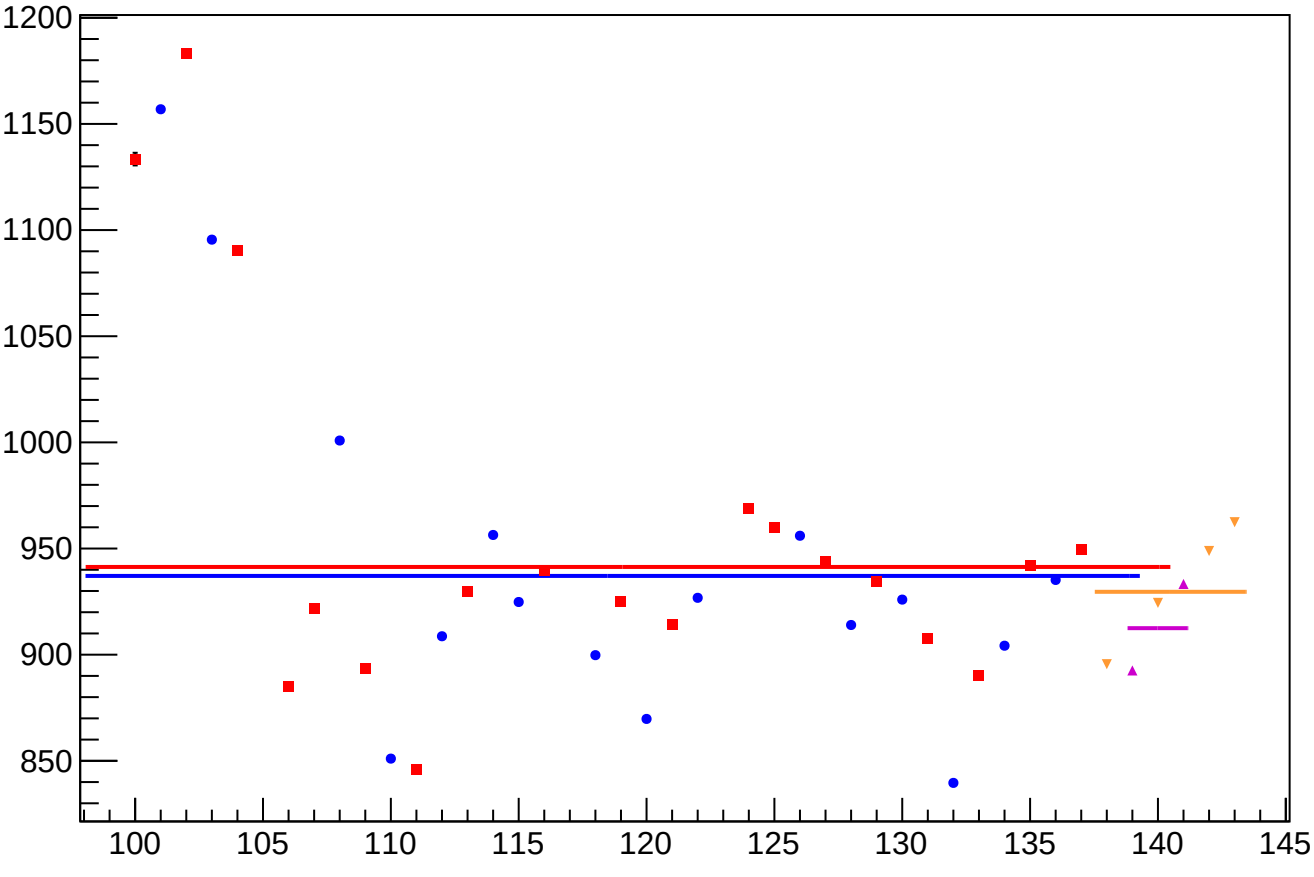
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -38.427+/-0.312 χ^2/NDF:58649.7/17

Out: 6.023+/-0.292 χ^2/NDF:19594.0/22

All: -14.701+/-0.213 χ^2/NDF: 89071.6/40

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 929.617+/-0.388 χ^2/NDF:4570.8/3

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: 923.035+/-0.304 χ^2/NDF: 7045.0/5

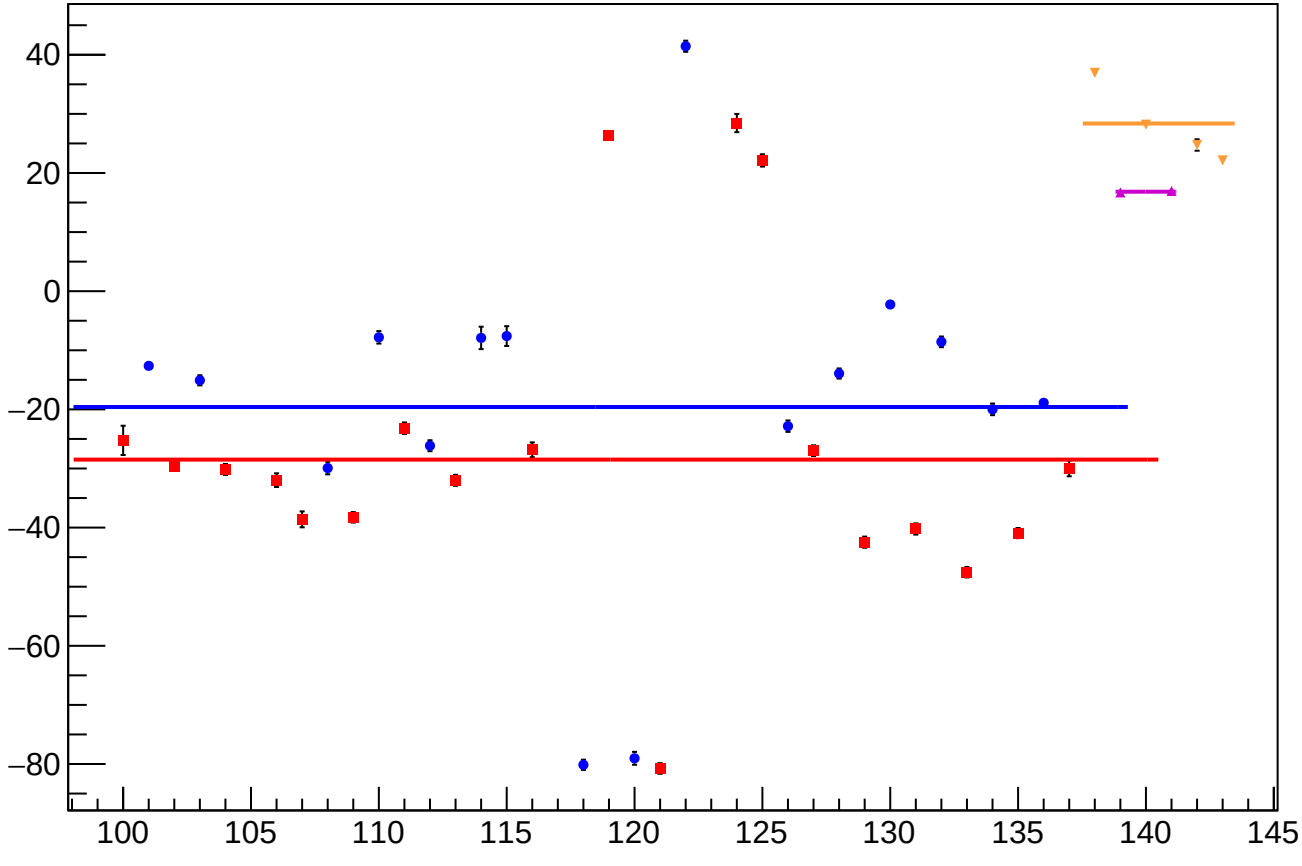
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 932.116+/-0.221 χ^2/NDF:108391.3/17

Out: 938.007+/-0.206 χ^2/NDF:106256.1/22

All: 935.260+/-0.151 χ^2/NDF: 215027.7/40

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 28.371+/-0.377 χ^2/NDF:234.2/3

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: 24.122+/-0.300 χ^2/NDF: 578.6/5

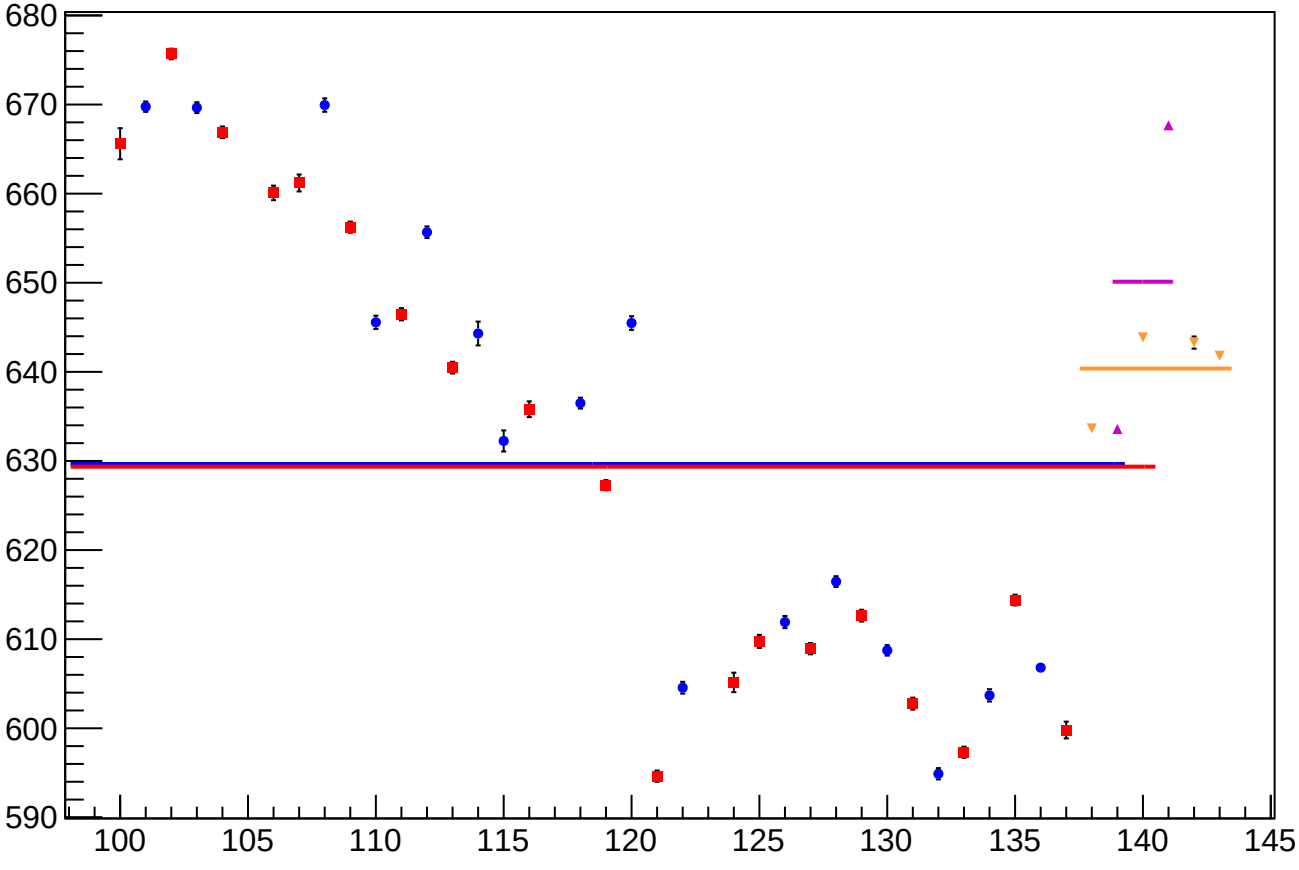
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -12.923+/-0.212 χ^2/NDF:17607.8/17

Out: -13.121+/-0.196 χ^2/NDF:29779.8/22

All: -13.030+/-0.144 χ^2/NDF: 47388.0/40

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 640.371+/-0.267 χ^2/NDF:251.7/3

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: 643.959+/-0.212 χ^2/NDF: 3118.3/5

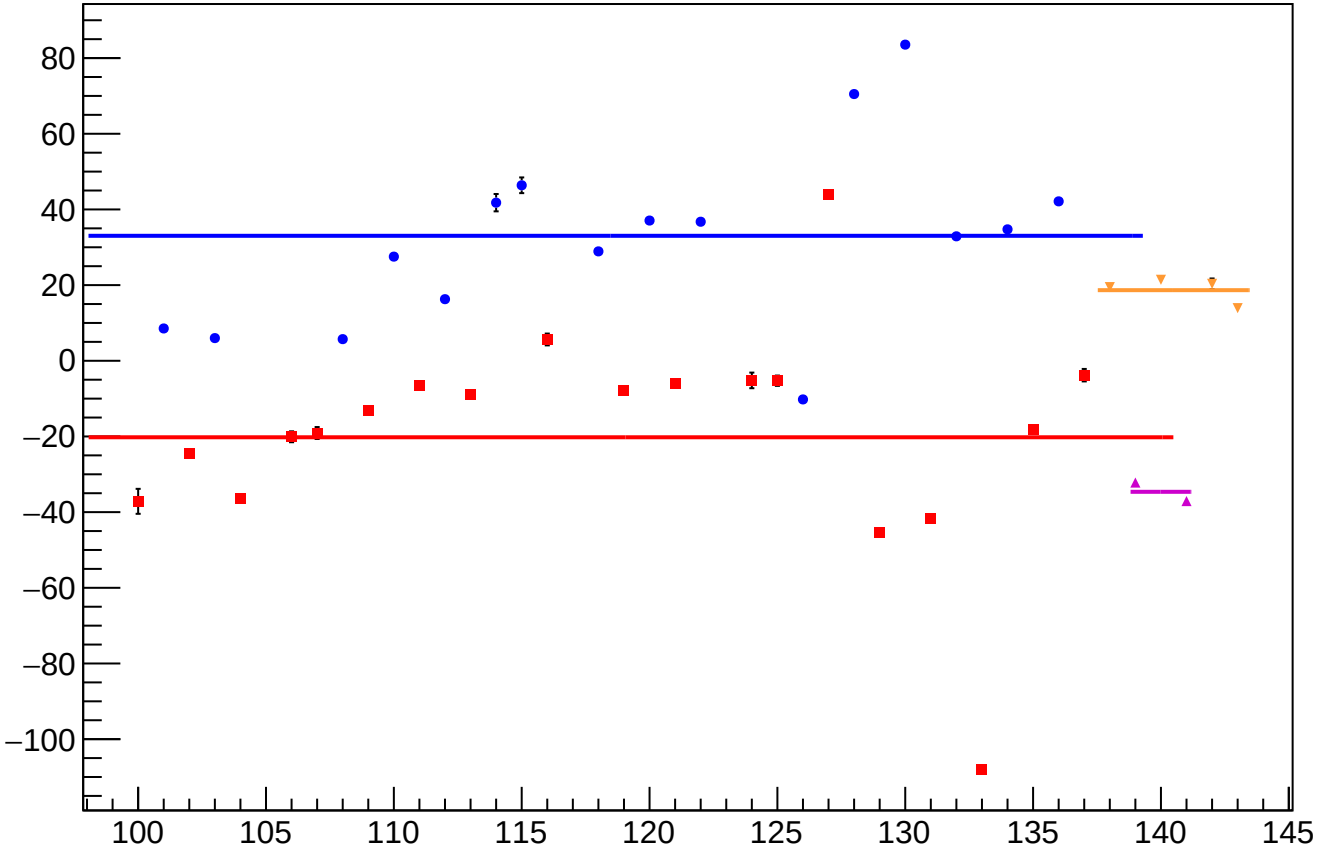
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 633.407+/-0.150 χ^2/NDF:30489.4/17

Out: 632.338+/-0.139 χ^2/NDF:28285.5/22

All: 632.832+/-0.102 χ^2/NDF: 58802.4/40

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.663+/-0.571 χ^2/NDF:27.5/3

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: -1.326+/-0.452 χ^2/NDF: 3301.6/5

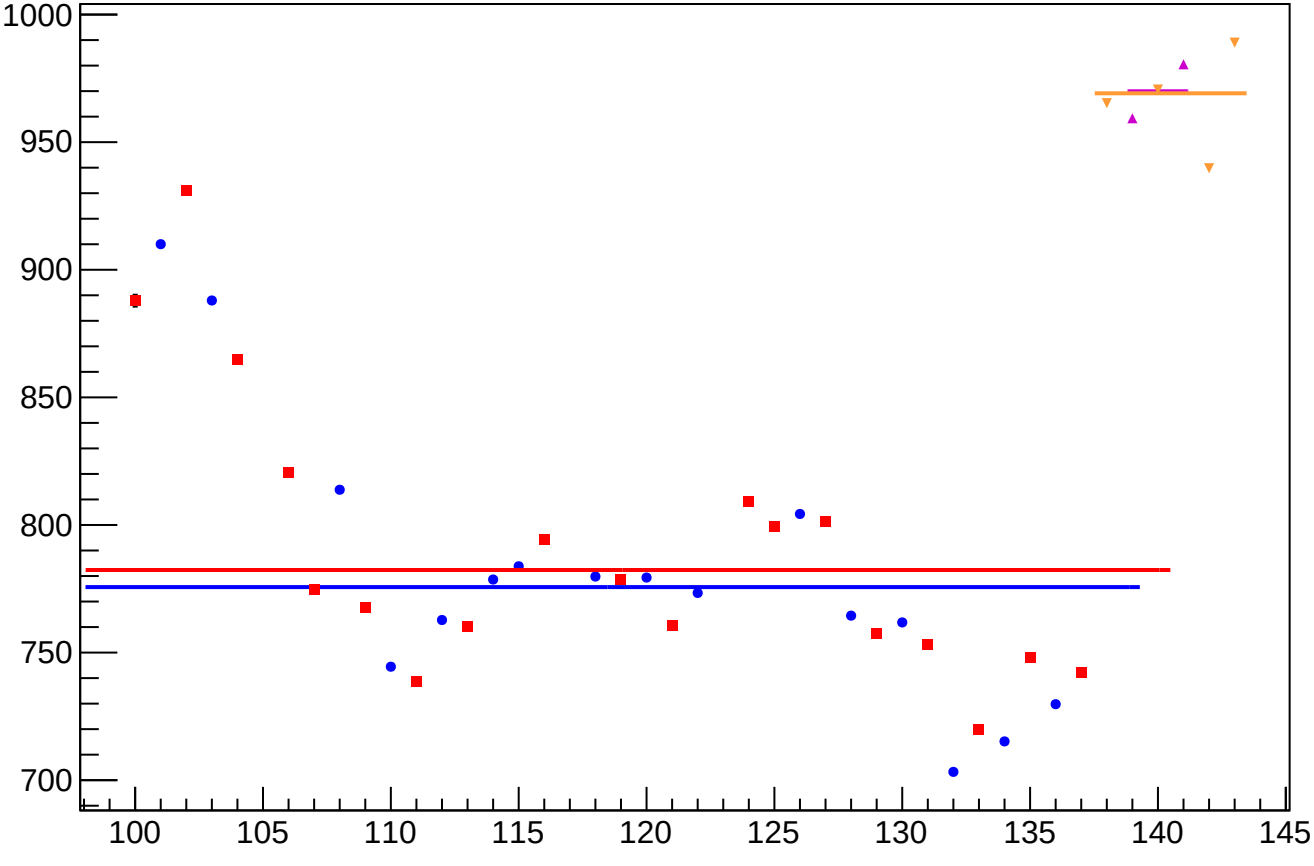
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 24.031+/-0.269 χ^2/NDF:14008.6/17

Out: -12.428+/-0.256 χ^2/NDF:15599.8/22

All: 4.879+/-0.185 χ^2/NDF: 39257.6/40

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 969.145+/-0.404 χ^2/NDF:1545.9/3

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 969.942+/-0.521 χ^2/NDF:411.2/1

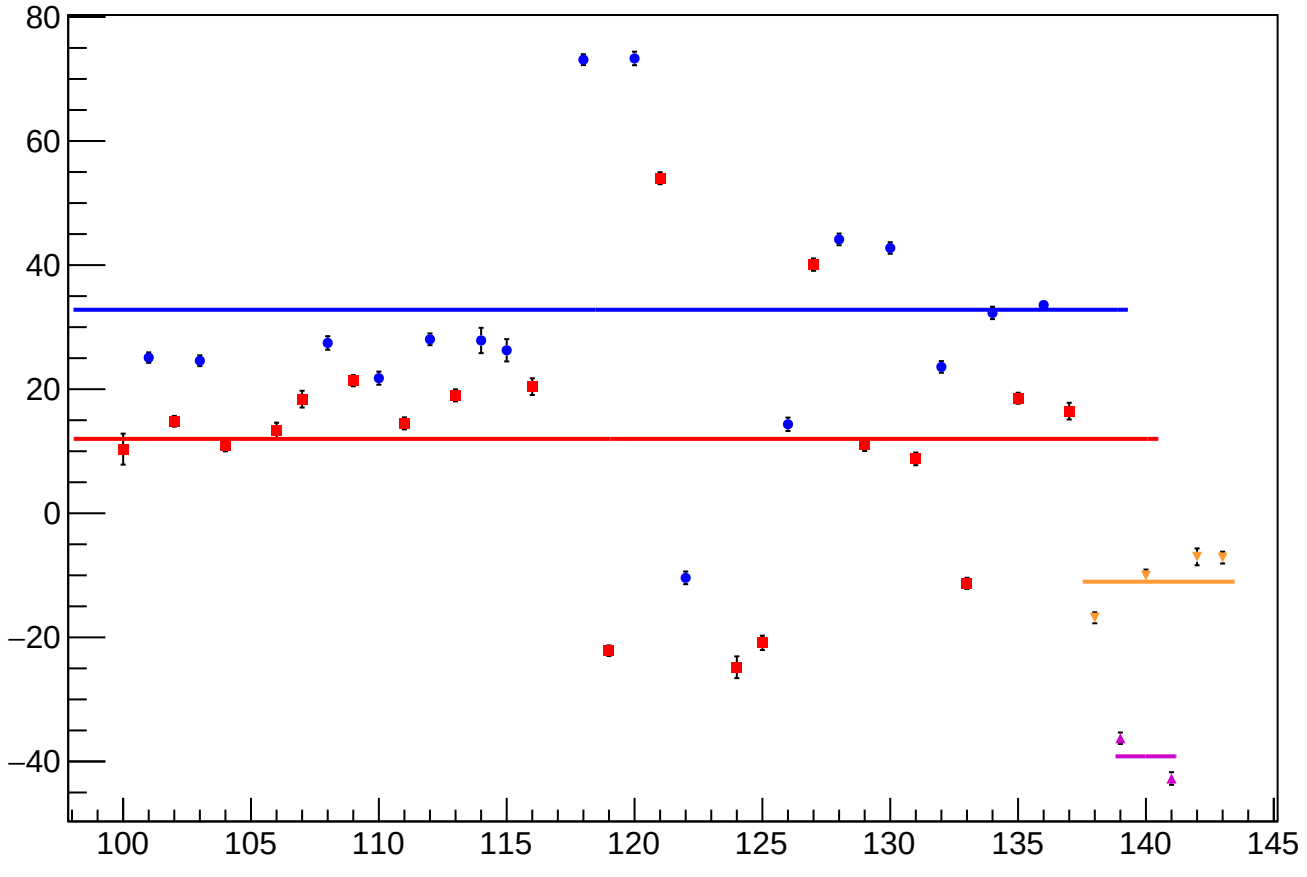
Left: 969.444+/-0.319 χ^2/NDF: 1958.5/5

Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 801.512+/-0.190 χ^2/NDF:195396.5/17

Out: 819.774+/-0.181 χ^2/NDF:237045.4/22

All: 811.105+/-0.131 χ^2/NDF: 437284.1/40



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -11.025+/-0.502 χ^2/NDF:69.6/3

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: -20.888+/-0.404 χ^2/NDF: 1194.3/5

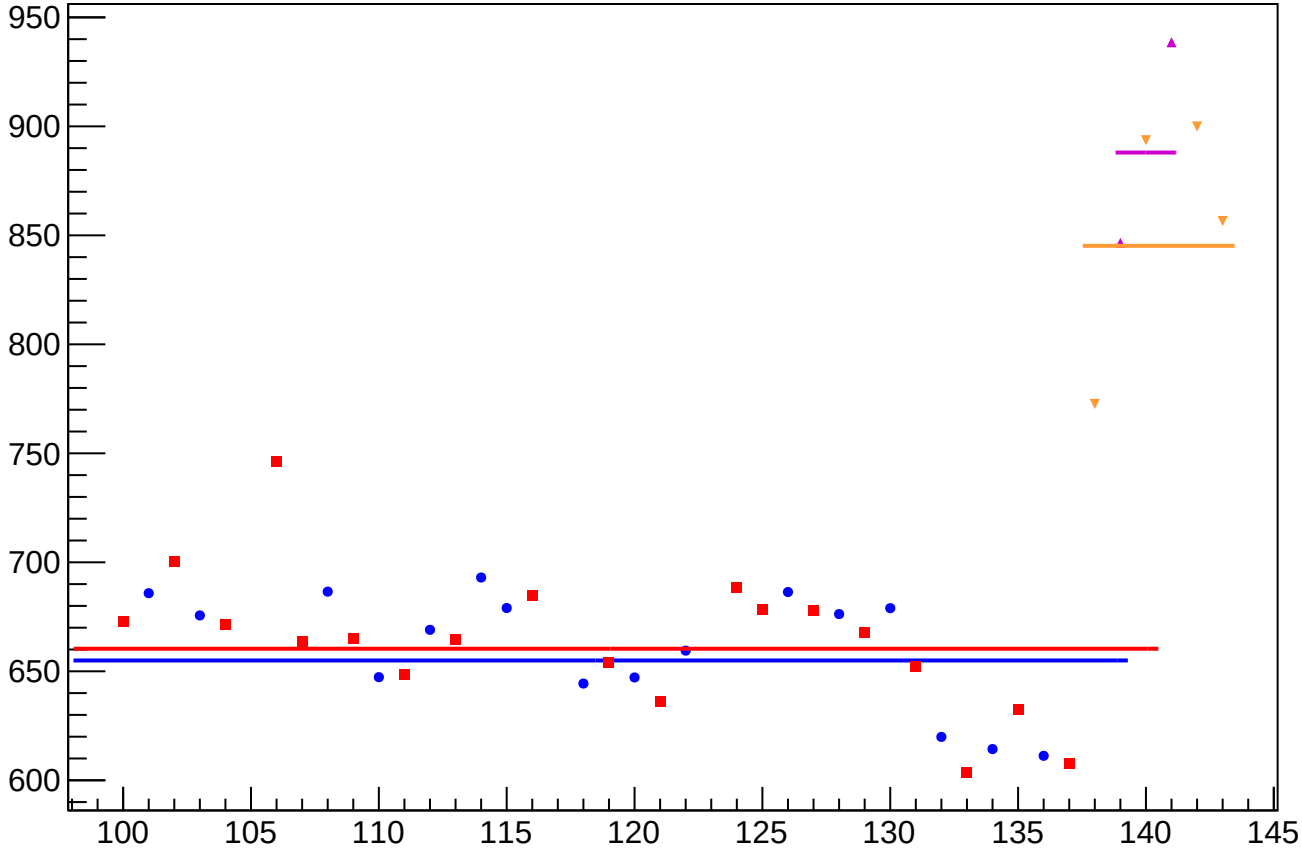
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 24.693+/-0.229 χ^2/NDF:16126.2/17

Out: 7.676+/-0.217 χ^2/NDF:8338.7/22

All: 15.726+/-0.158 χ^2/NDF: 27364.8/40

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 845.196+/-0.355 χ^2/NDF:21930.3/3

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: 860.188+/-0.286 χ^2/NDF: 35999.9/5

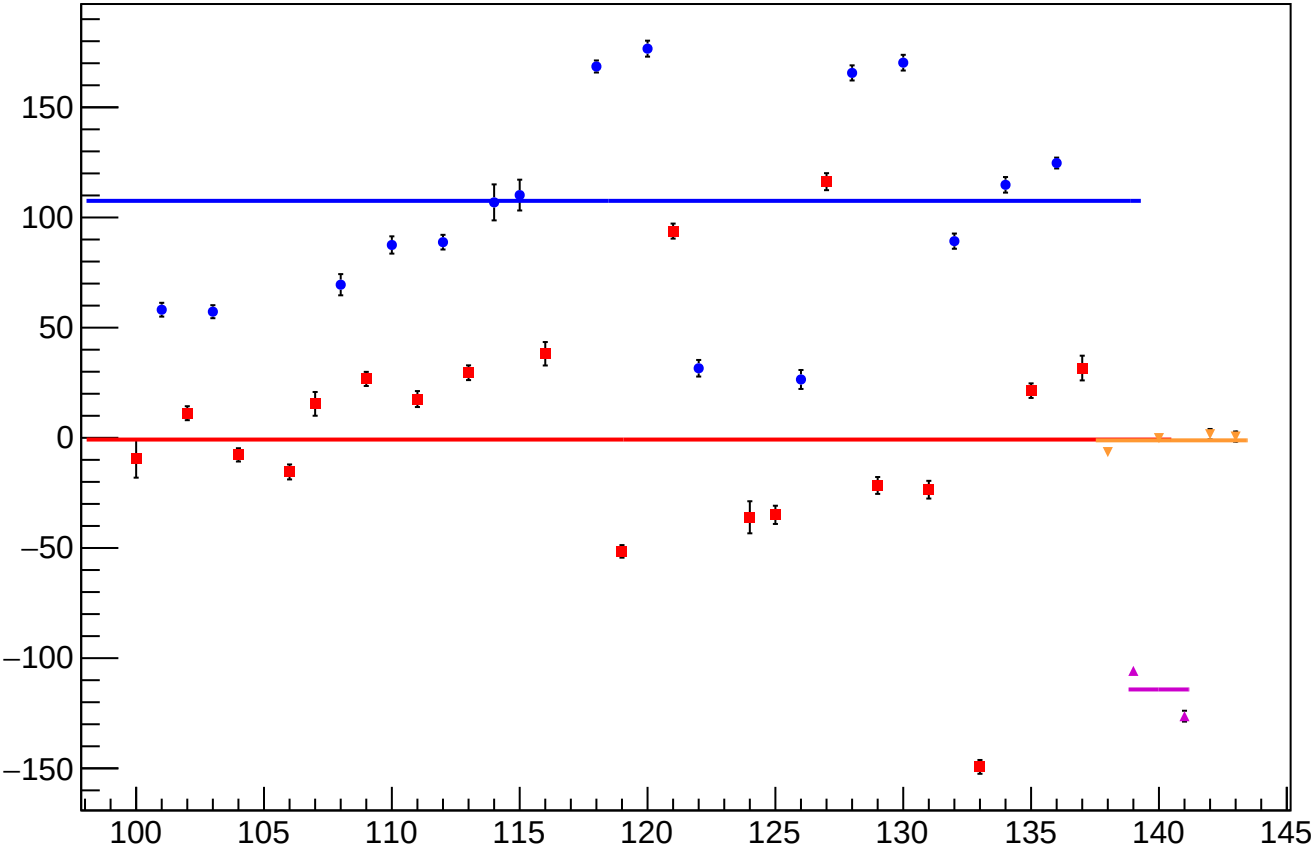
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 681.226+/-0.162 χ^2/NDF:242062.1/17

Out: 695.024+/-0.154 χ^2/NDF:272785.0/22

All: 688.497+/-0.112 χ^2/NDF: 518660.4/40

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -1.148+/-1.134 χ^2/NDF:7.7/3

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: -39.573+/-0.921 χ^2/NDF: 3427.0/5

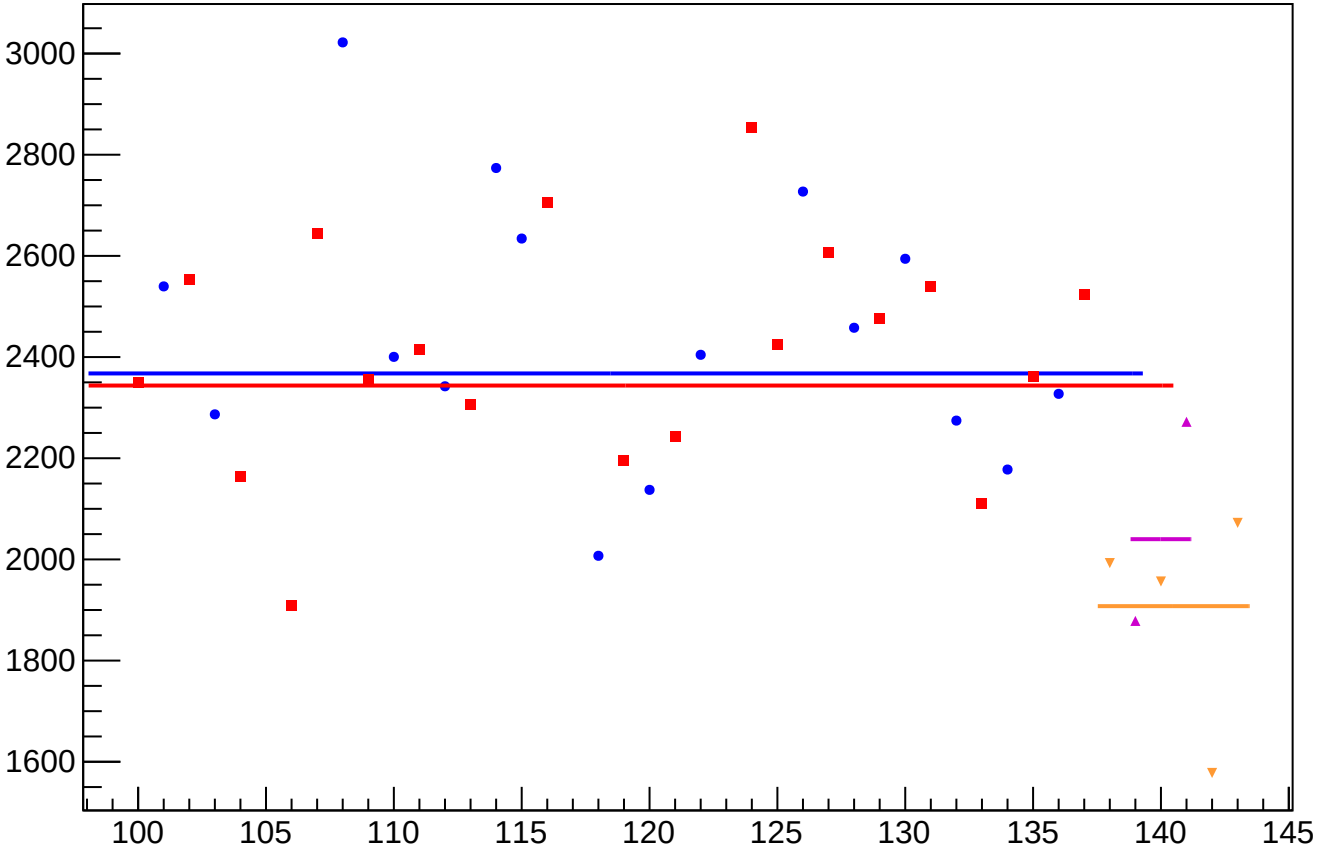
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 54.580+/-0.772 χ^2/NDF:17982.2/17

Out: -0.920+/-0.686 χ^2/NDF:4771.7/22

All: 23.540+/-0.513 χ^2/NDF: 25641.5/40

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1907.618+/-0.802 χ^2/NDF:52600.6/3

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: 1952.613+/-0.651 χ^2/NDF: 91883.1/5

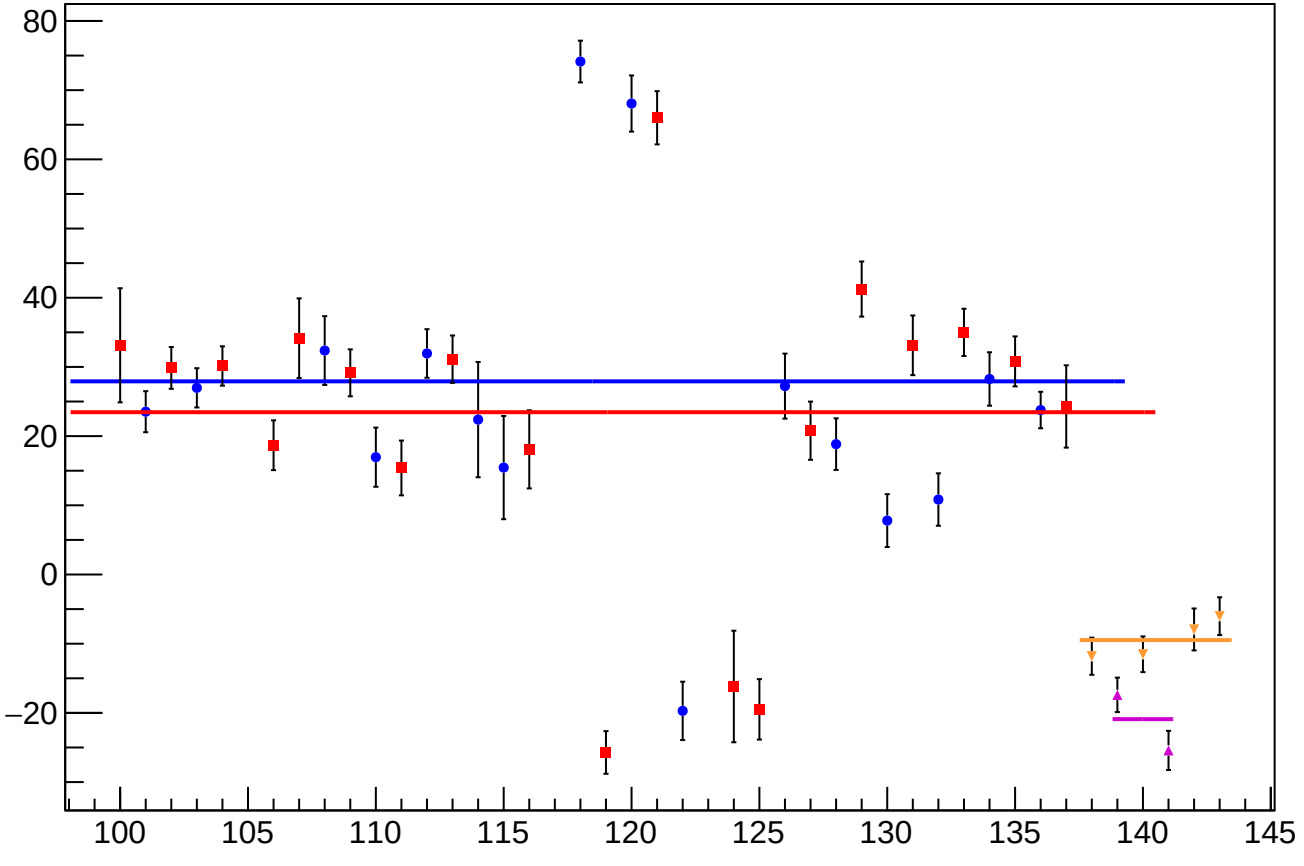
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2289.377+/-0.546 χ^2/NDF:222201.7/17

Out: 2184.281+/-0.485 χ^2/NDF:352516.7/22

All: 2230.598+/-0.363 χ^2/NDF: 595427.3/40

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.478+/-1.372 χ^2/NDF:3.2/3

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: -13.477+/-1.106 χ^2/NDF: 32.0/5

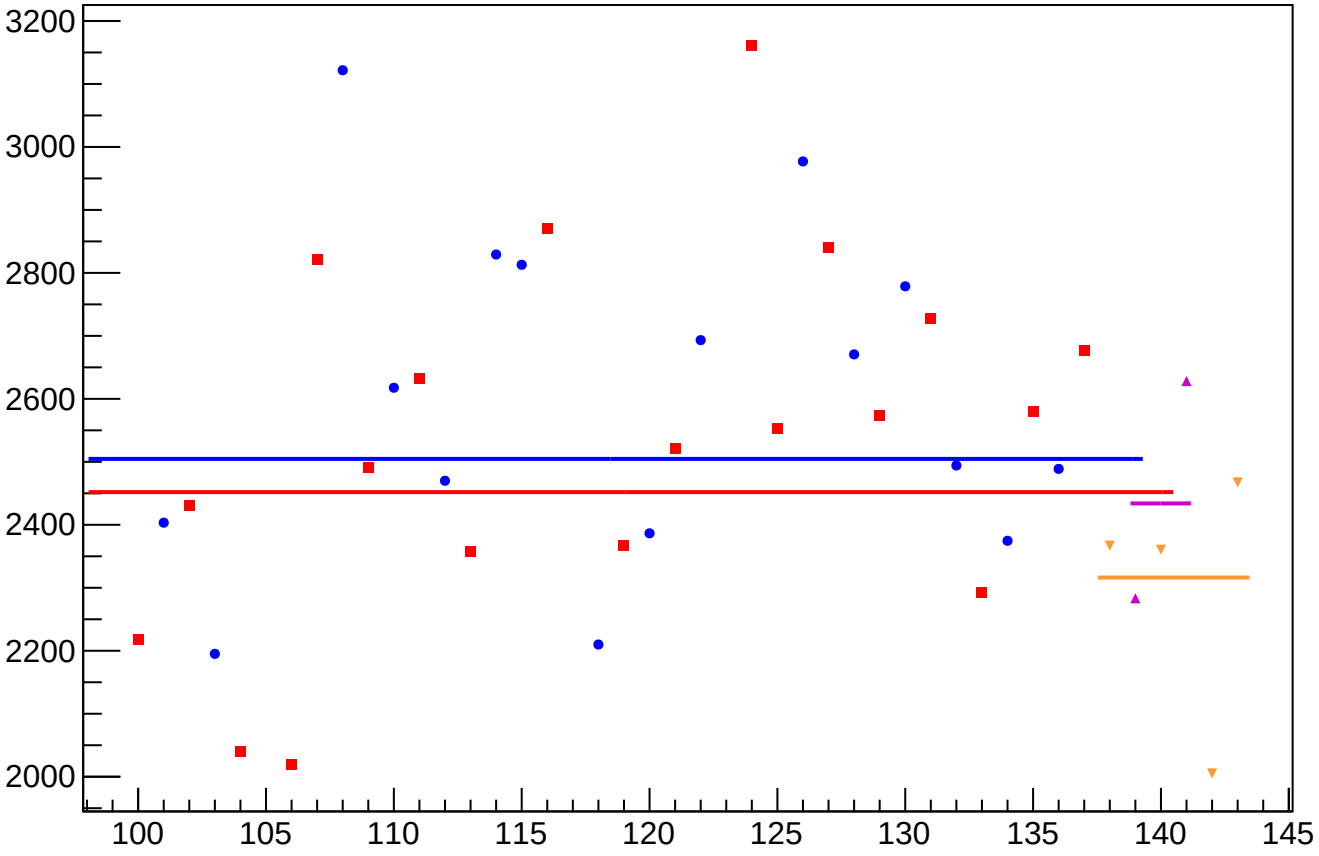
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 18.119+/-0.837 χ^2/NDF:1080.2/17

Out: 13.509+/-0.754 χ^2/NDF:973.3/22

All: 15.573+/-0.560 χ^2/NDF: 2070.2/40

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2316.247+/-0.970 χ^2/NDF:28465.9/3

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: 2357.450+/-0.782 χ^2/NDF: 50372.4/5

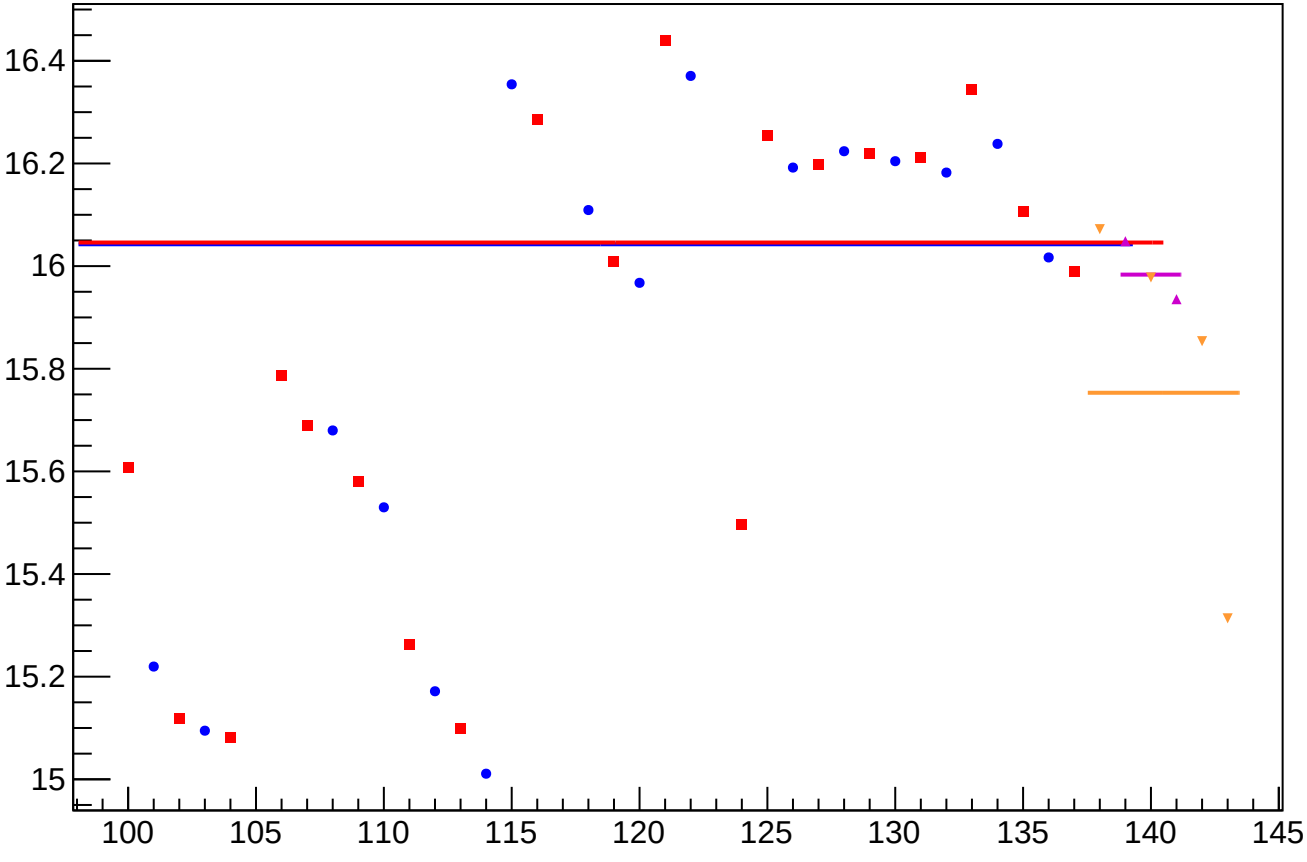
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2490.461+/-0.592 χ^2/NDF:145641.5/17

Out: 2410.913+/-0.533 χ^2/NDF:195343.1/22

All: 2446.529+/-0.396 χ^2/NDF: 350949.5/40

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.753+/-0.000 χ^2/NDF:3241783229.1/3

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: 15.831+/-0.000 χ^2/NDF: 3842524553.7/5

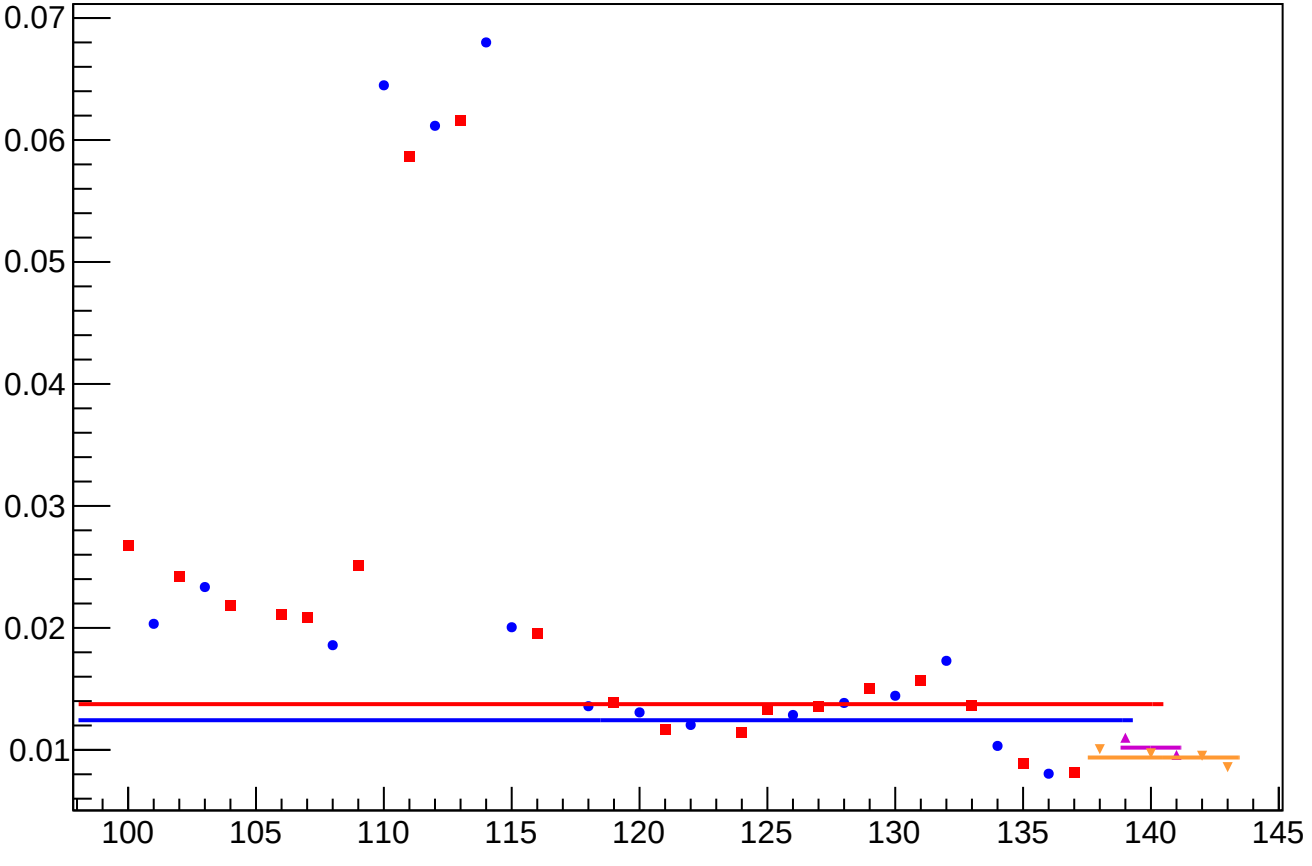
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 16.024+/-0.000 χ^2/NDF:2927626476.9/17

Out: 15.898+/-0.000 χ^2/NDF:8099005825.0/22

All: 15.956+/-0.000 χ^2/NDF: 11473749459.8

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:22055.7/3

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: 51022.9/5

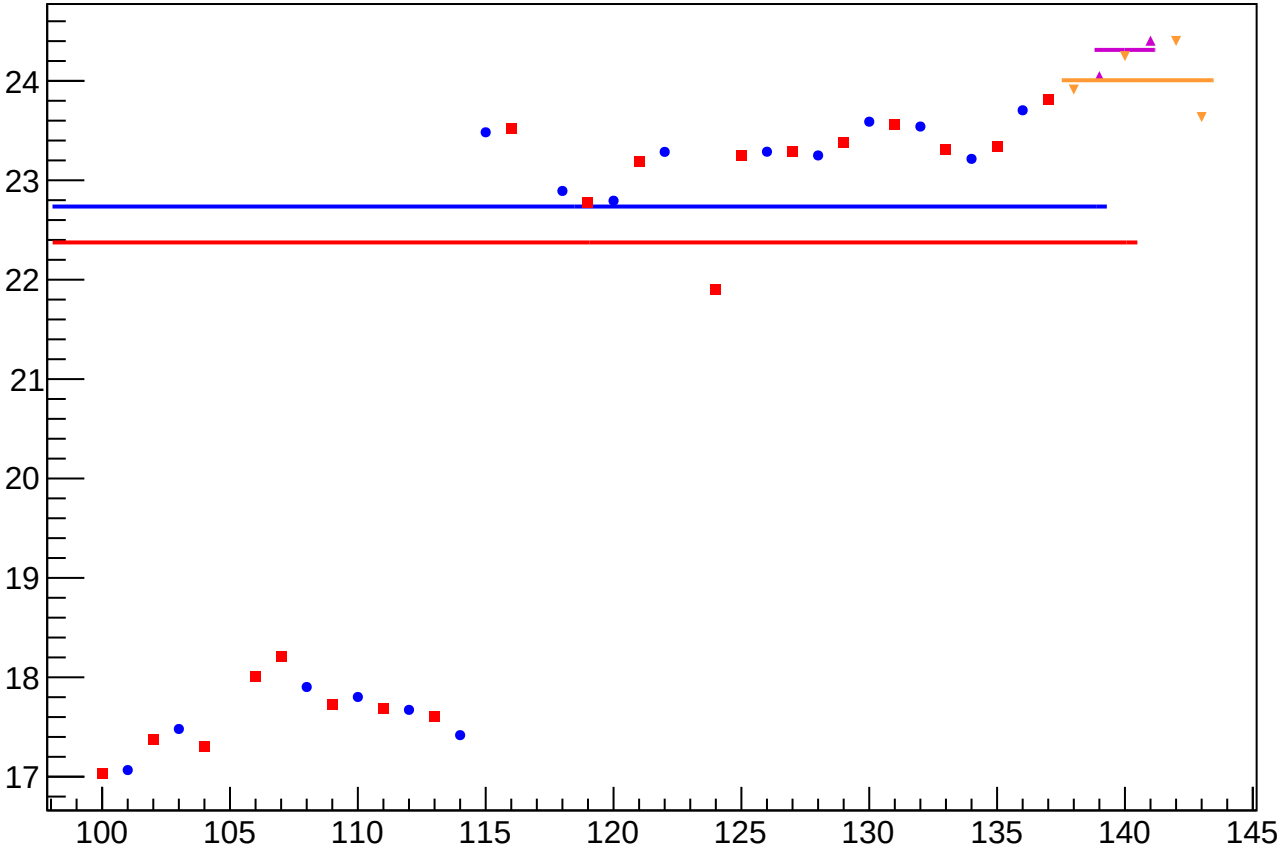
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2442331.9/17

Out: 0.012+/-0.000 χ^2/NDF:2835624.2/22

All: 0.012+/-0.000 χ^2/NDF: 5280377.6/40

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.006+/-0.000 χ^2/NDF:19679526.5/3

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: 24.099+/-0.000 χ^2/NDF: 27597843.2/5

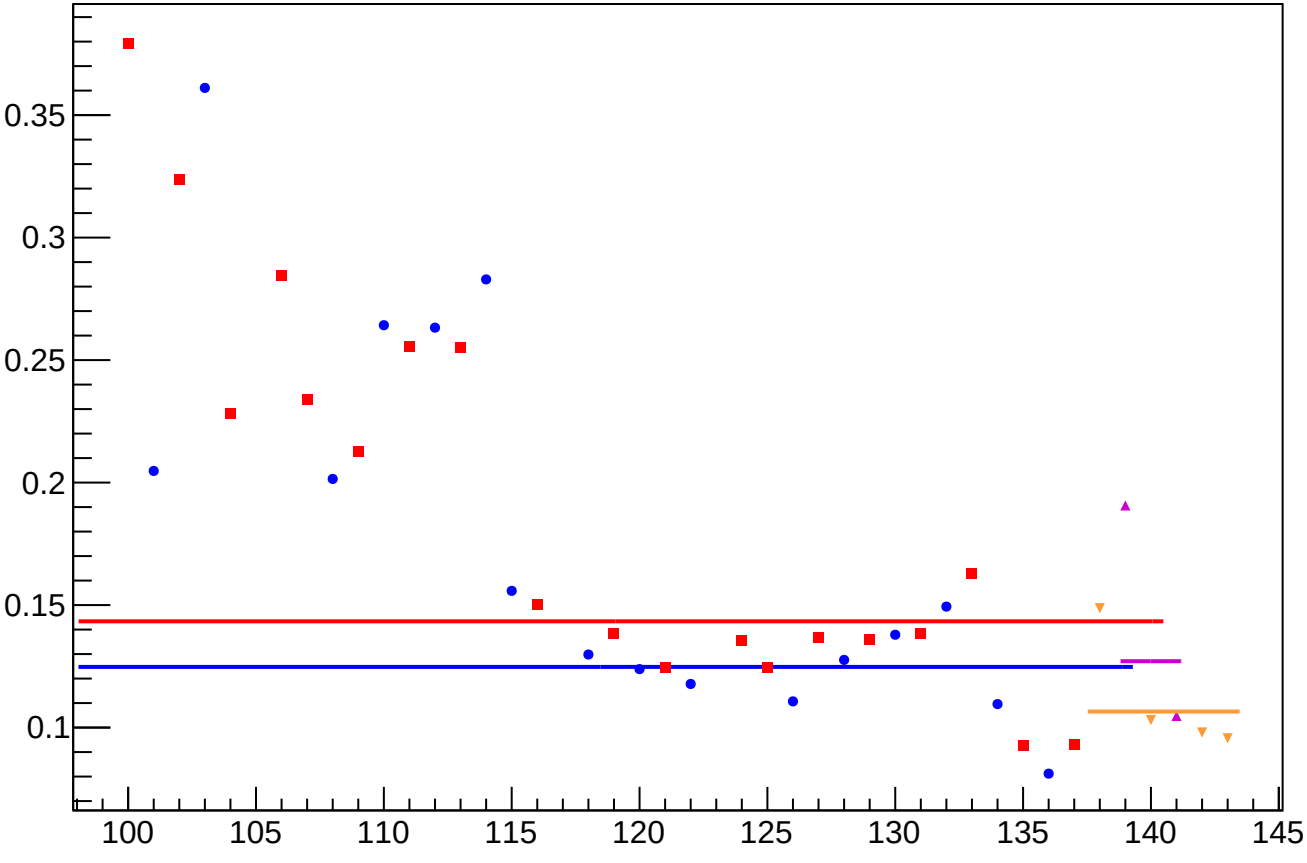
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 23.059+/-0.000 χ^2/NDF:1397782940.6/17

Out: 23.061+/-0.000 χ^2/NDF:1548324741.9/22

All: 23.060+/-0.000 χ^2/NDF: 2946108470.6/4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.107+/-0.000 χ^2/NDF:135977.8/3

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: 0.113+/-0.000 χ^2/NDF: 439772.9/5

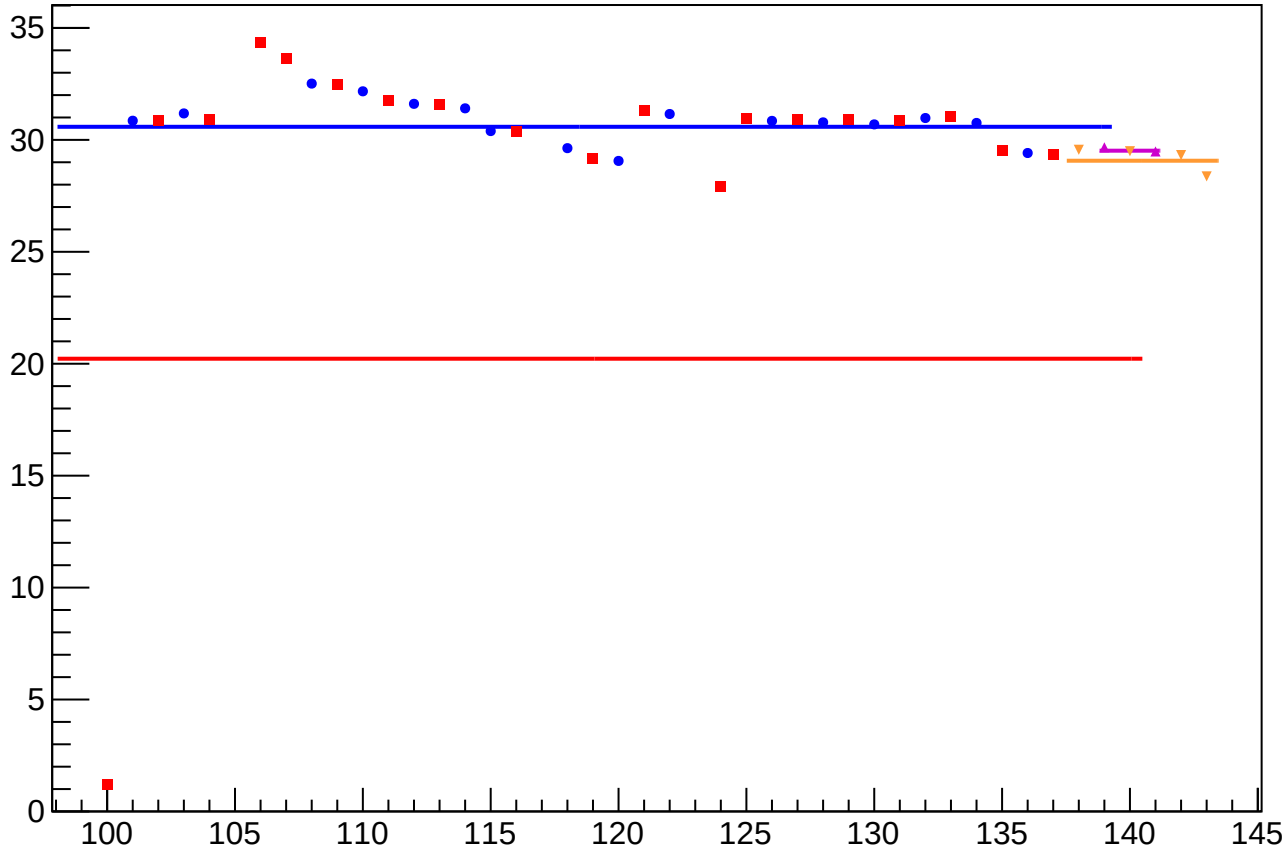
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.125+/-0.000 χ^2/NDF:2002332.5/17

Out: 0.128+/-0.000 χ^2/NDF:2024883.5/22

All: 0.127+/-0.000 χ^2/NDF: 4030398.8/40

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.069+/-0.000 χ^2/NDF:96330282.4/3

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: 29.215+/-0.000 χ^2/NDF: 120781676.3/5

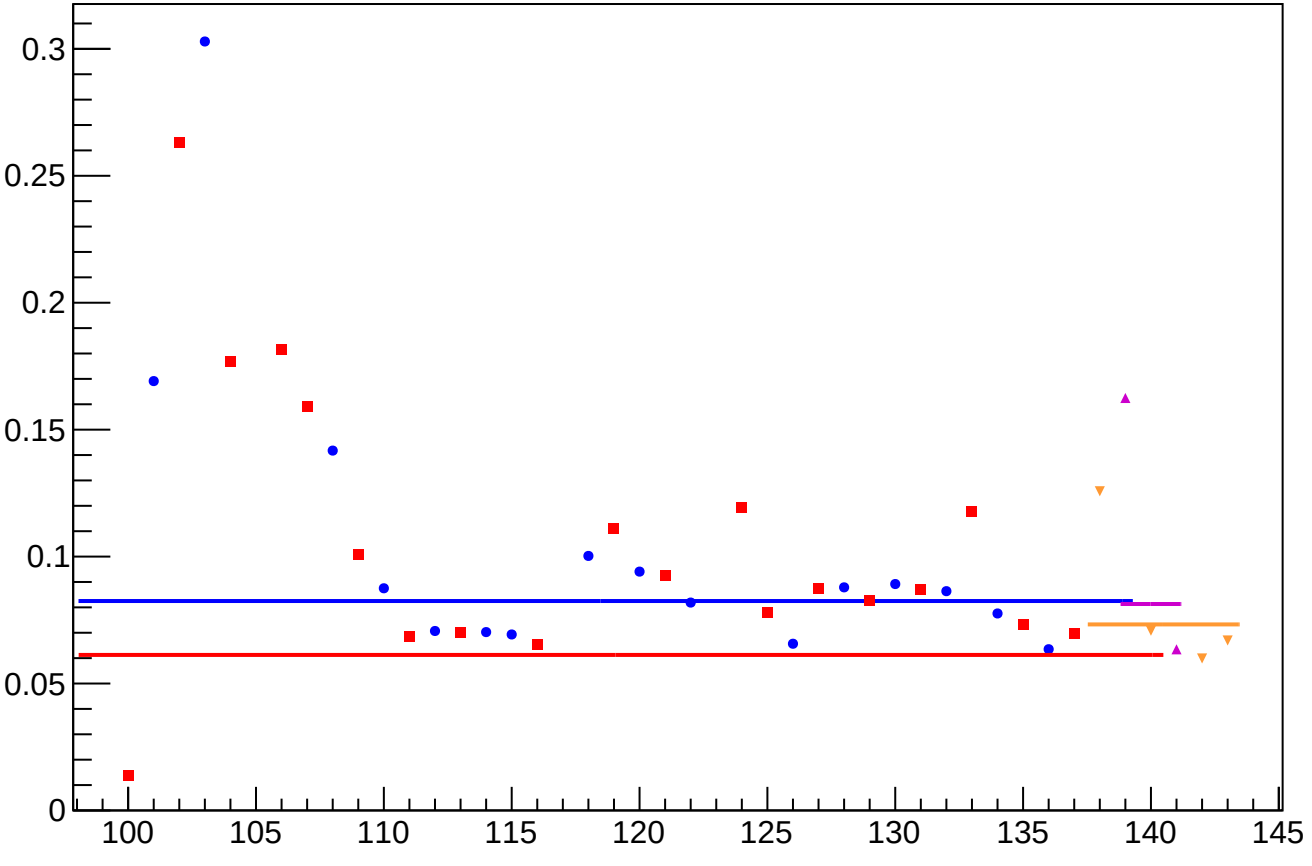
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.388+/-0.000 χ^2/NDF:815345168.3/17

Out: 22.415+/-0.000 χ^2/NDF:242450112505.7/22

All: 25.572+/-0.000 χ^2/NDF: 279674198321.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.073+/-0.000 χ^2/NDF:266995.7/3

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: 0.076+/-0.000 χ^2/NDF: 787221.9/5

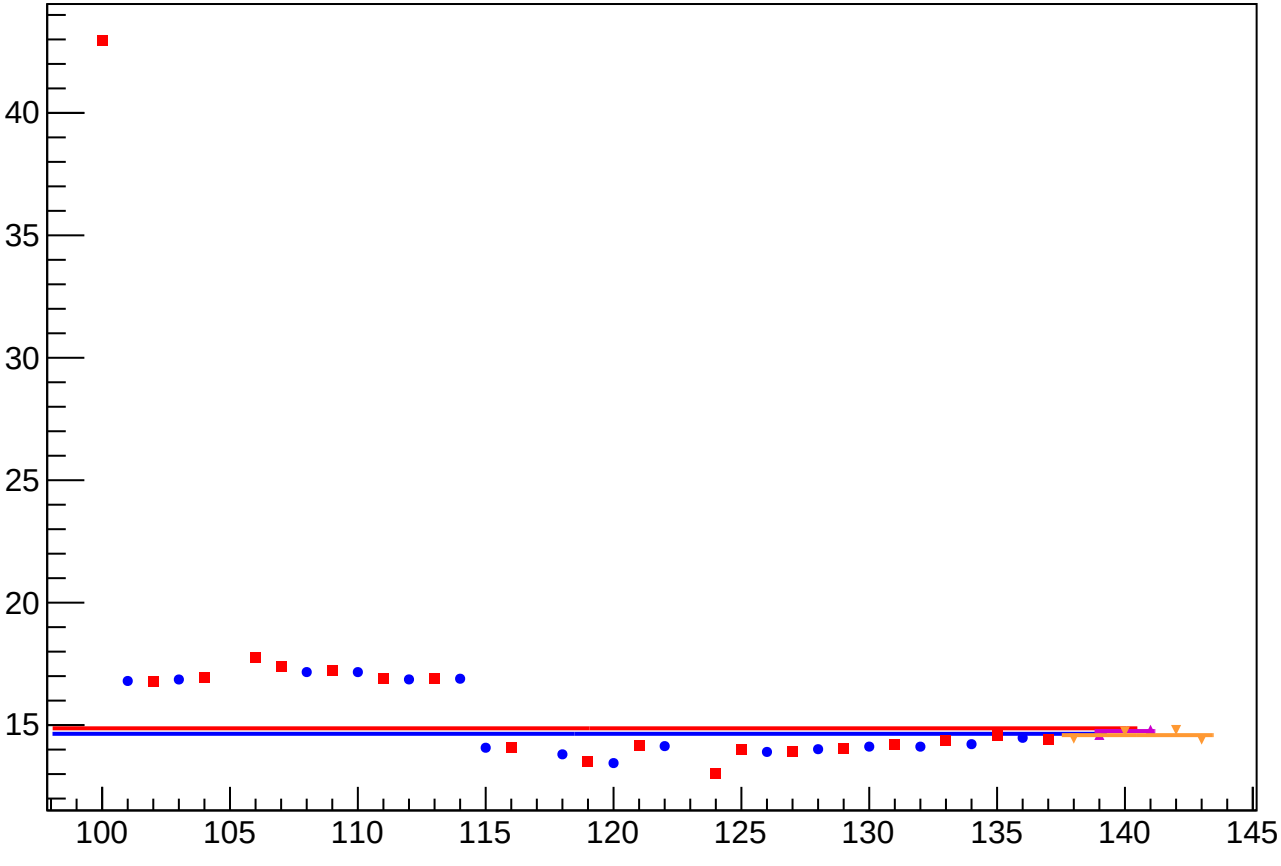
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.082+/-0.000 χ^2/NDF:1766938.2/17

Out: 0.064+/-0.000 χ^2/NDF:4359187.2/22

All: 0.071+/-0.000 χ^2/NDF: 6498953.9/40

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 14.590+/-0.000 χ^2/NDF:12800836.5/3

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: 14.647+/-0.000 χ^2/NDF: 18509838.4/5

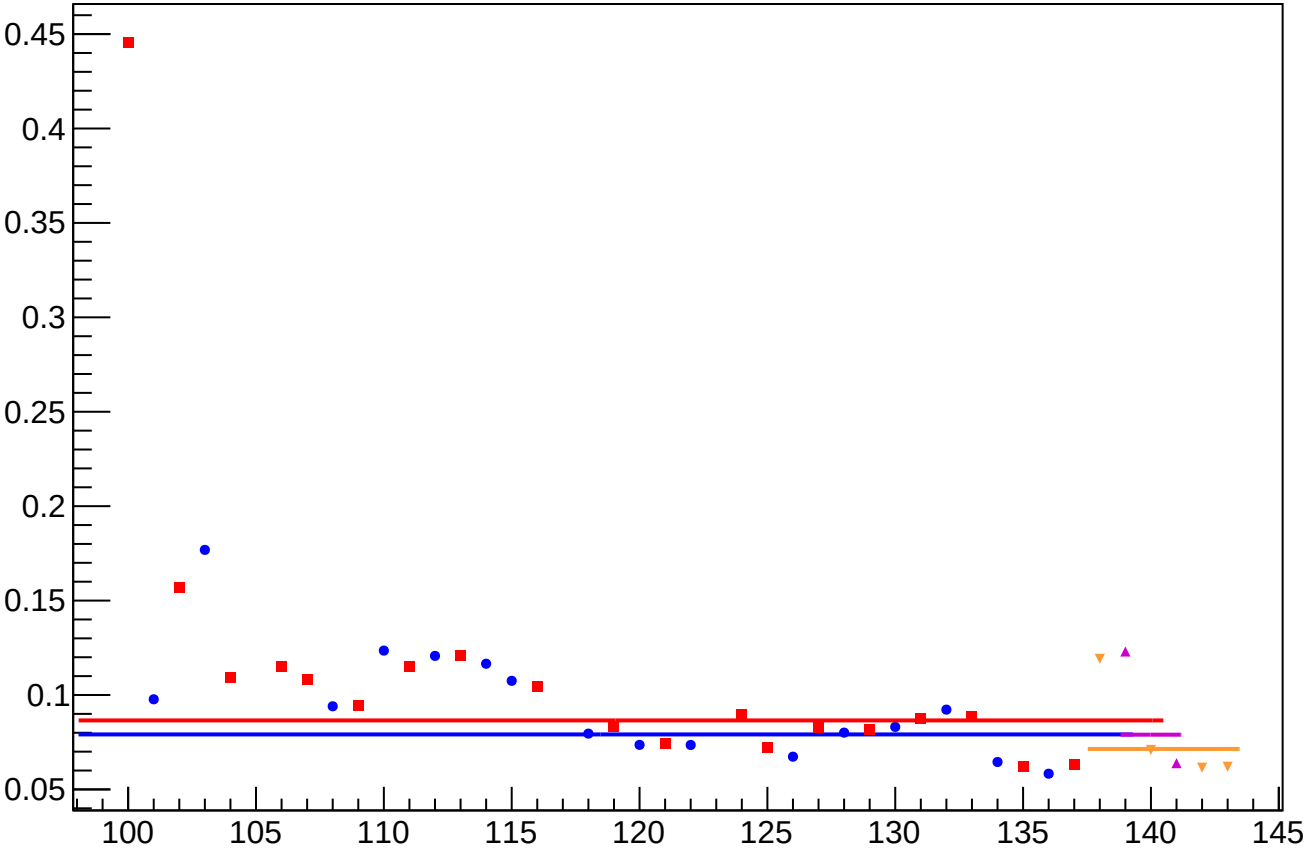
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 14.665+/-0.000 χ^2/NDF:1197904657.6/17

Out: 14.775+/-0.000 χ^2/NDF:1764184058.2/22

All: 14.722+/-0.000 χ^2/NDF: 2969230682.3/4

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.071+/-0.000 χ^2/NDF:274413.3/3

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: 0.074+/-0.000 χ^2/NDF: 572348.4/5

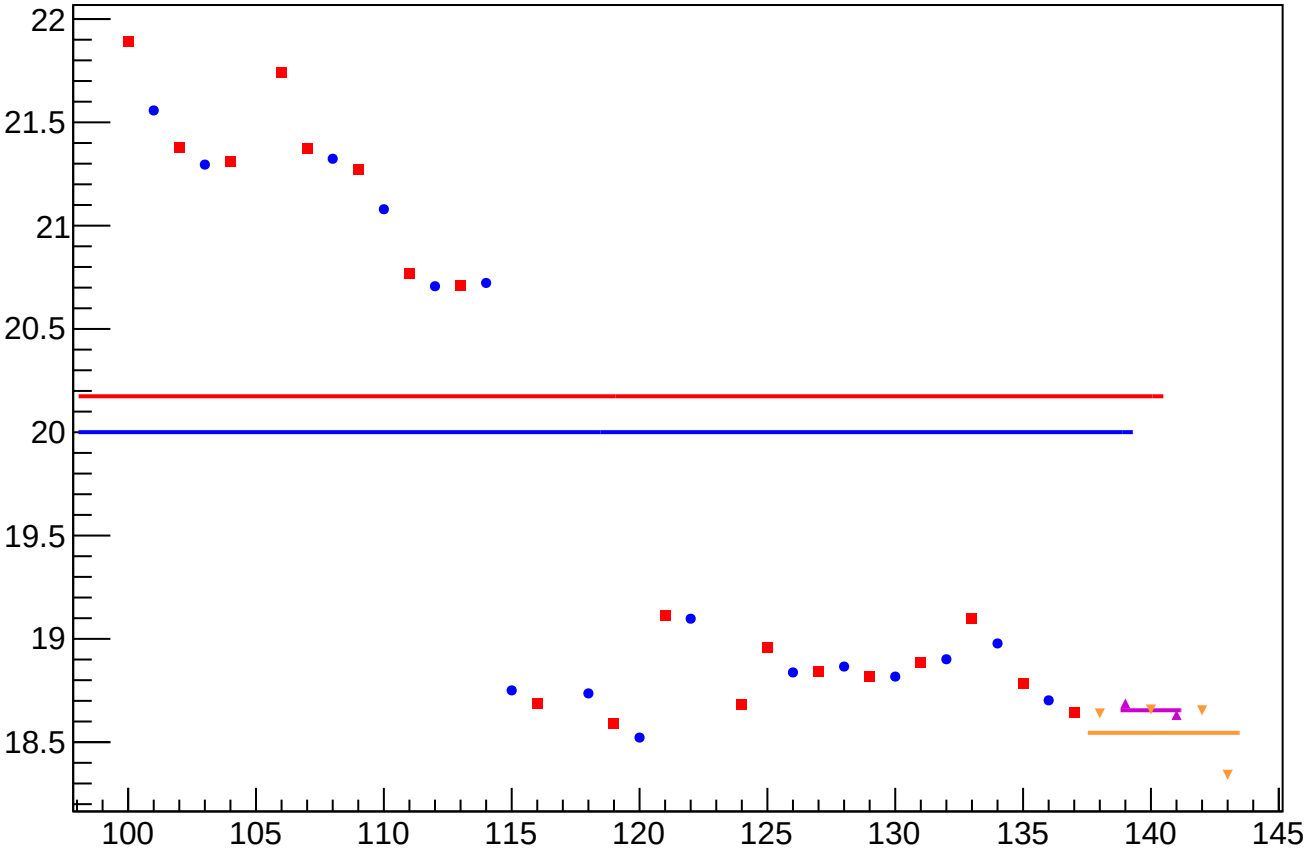
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.079+/-0.000 χ^2/NDF:1200085.6/17

Out: 0.081+/-0.000 χ^2/NDF:1193969.7/22

All: 0.080+/-0.000 χ^2/NDF: 2400684.6/40

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.545+/-0.000 χ^2/NDF:53418196.3/3

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: 18.585+/-0.000 χ^2/NDF: 65283073.7/5

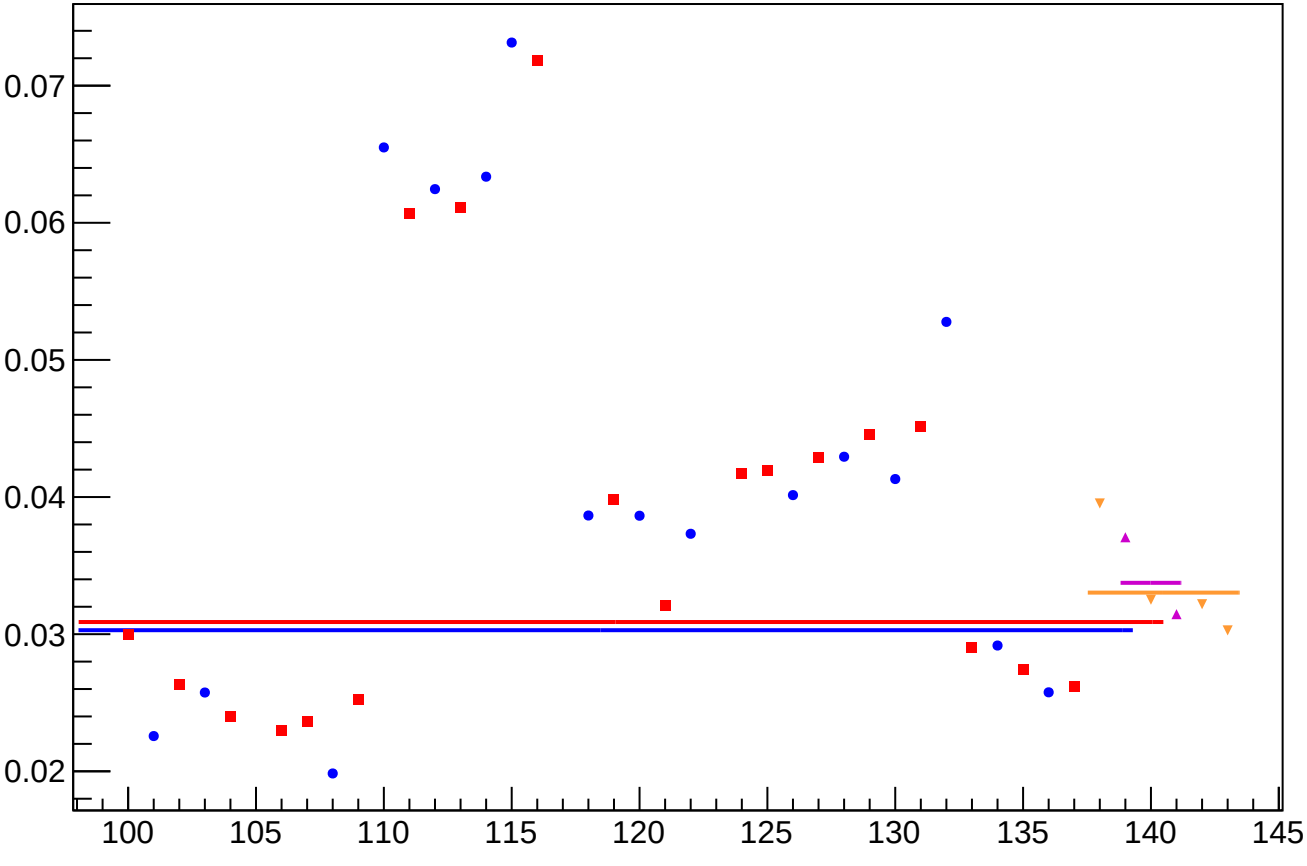
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.758+/-0.000 χ^2/NDF:13002519196.2/17

Out: 19.727+/-0.000 χ^2/NDF:15232805844.6/22

All: 19.741+/-0.000 χ^2/NDF: 28239444807.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:53816.0/3

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: 0.033+/-0.000 χ^2/NDF: 76434.7/5

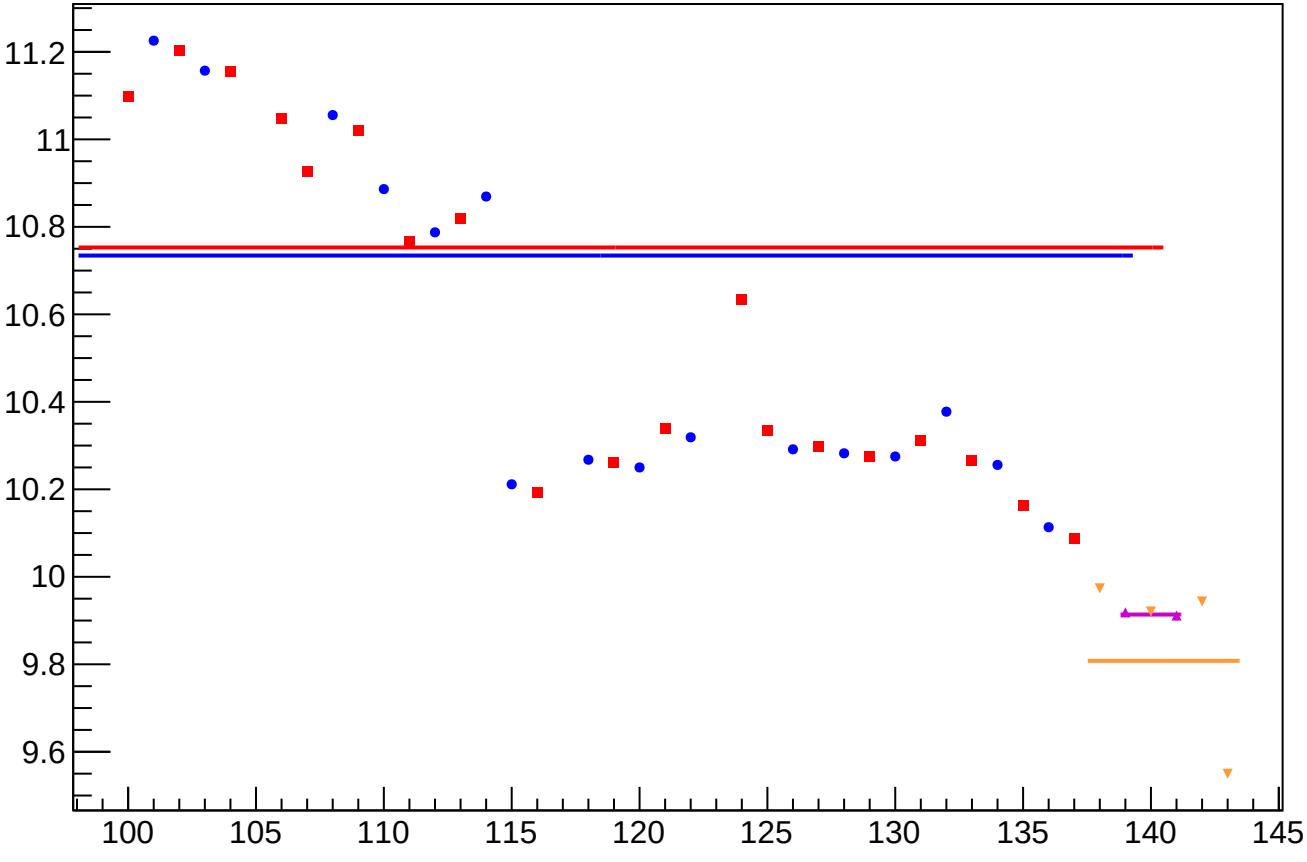
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1497031.7/17

Out: 0.031+/-0.000 χ^2/NDF:1275022.1/22

All: 0.031+/-0.000 χ^2/NDF: 2774723.8/40

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.808+/-0.000 χ^2/NDF:269850631.0/3

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: 9.841+/-0.000 χ^2/NDF: 297325974.4/5

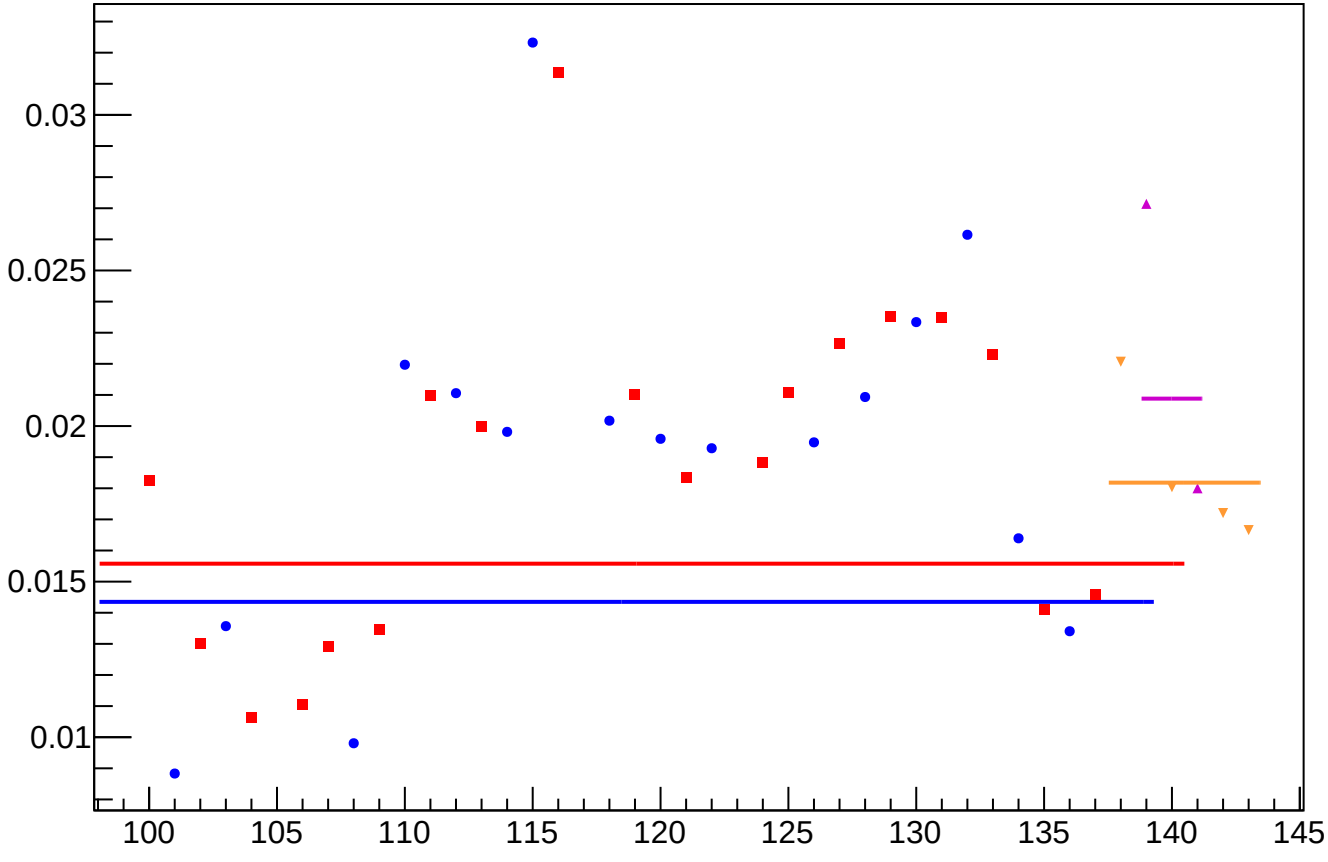
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.640+/-0.000 χ^2/NDF:8018637339.0/17

Out: 10.533+/-0.000 χ^2/NDF:9905132847.0/22

All: 10.585+/-0.000 χ^2/NDF: 18106894375.4

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:59161.3/3

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: 0.019+/-0.000 χ^2/NDF: 224370.8/5

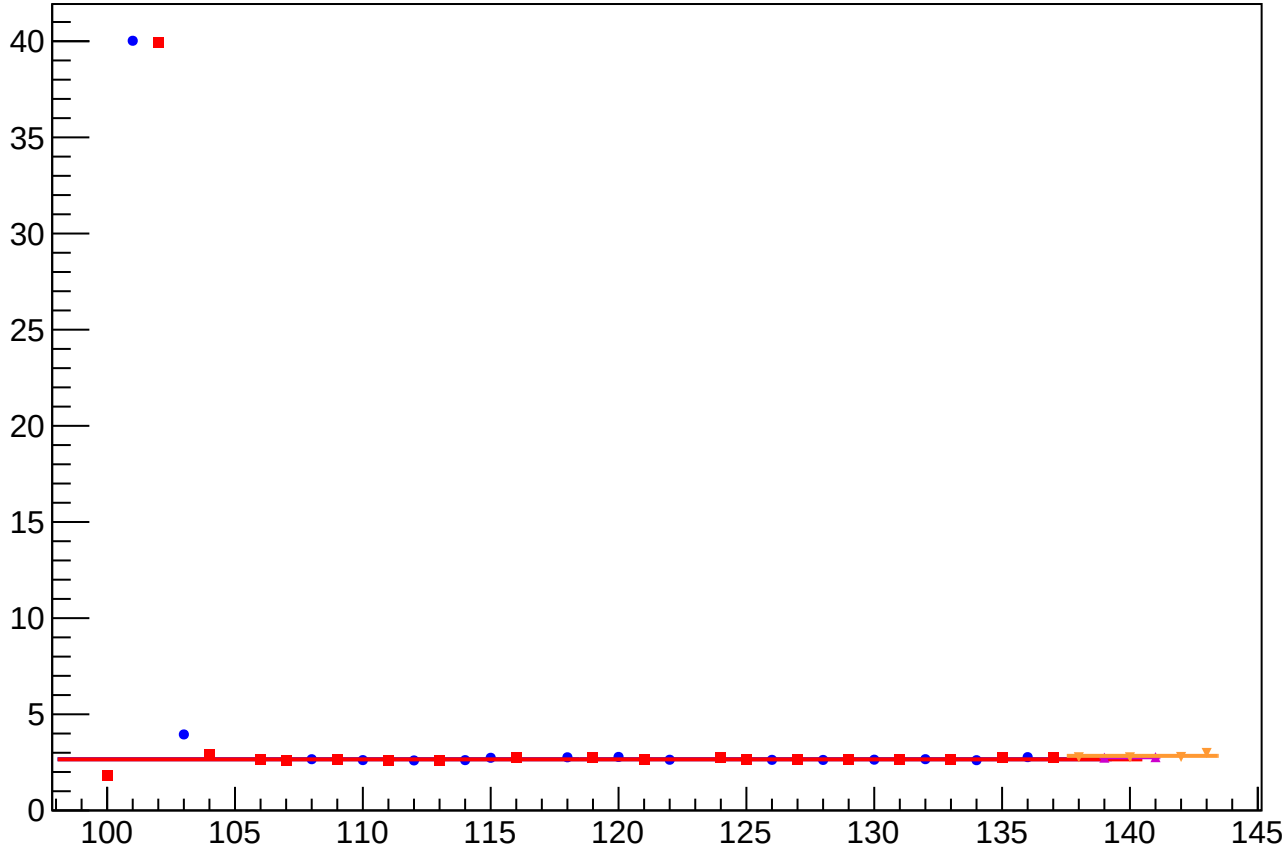
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.015+/-0.000 χ^2/NDF:1882297.5/17

Out: 0.016+/-0.000 χ^2/NDF:1211537.1/22

All: 0.016+/-0.000 χ^2/NDF: 3131443.2/40

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.839+/-0.000 χ^2/NDF:3427097878.1/3

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: 2.811+/-0.000 χ^2/NDF: 4126817940.3/5

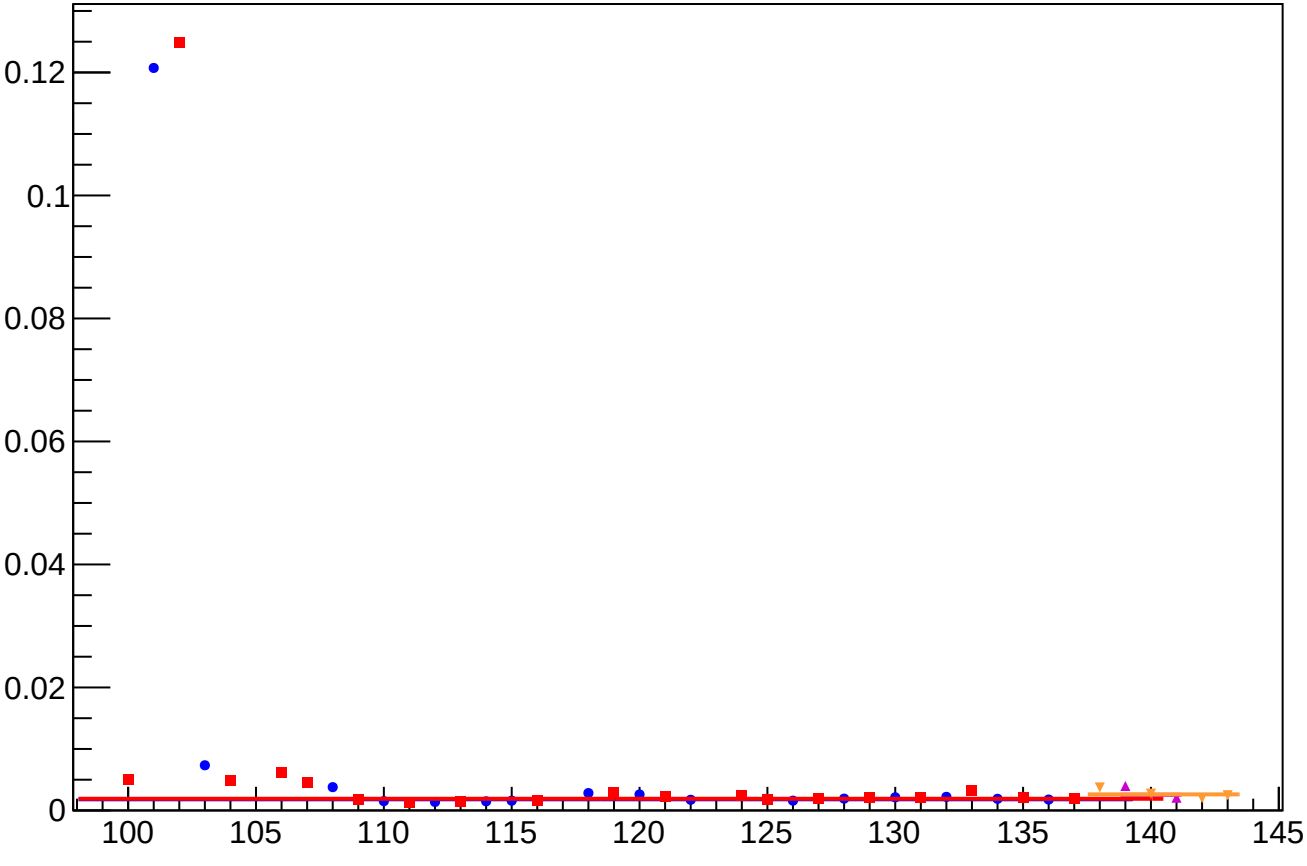
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.677+/-0.000 χ^2/NDF:69768868716.1/17

Out: 2.691+/-0.000 χ^2/NDF:77329856033.3/22

All: 2.684+/-0.000 χ^2/NDF: 147273295088.3

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:200161.0/3

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: 478503.7/5

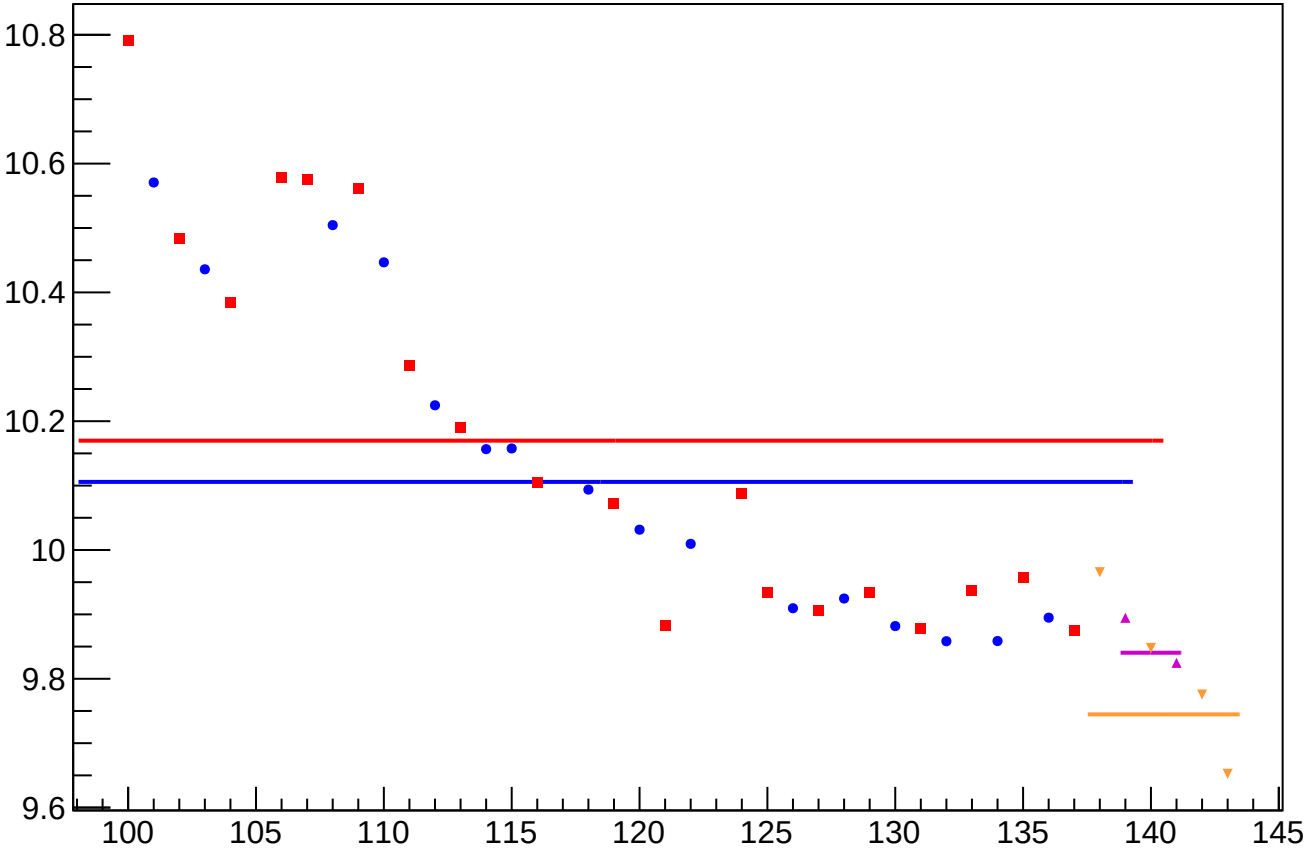
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2290481.1/17

Out: 0.002+/-0.000 χ^2/NDF:2996685.1/22

All: 0.002+/-0.000 χ^2/NDF: 5315225.5/40

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.745+/-0.000 χ^2/NDF:529801949.6/3

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: 9.777+/-0.000 χ^2/NDF: 701589412.1/5

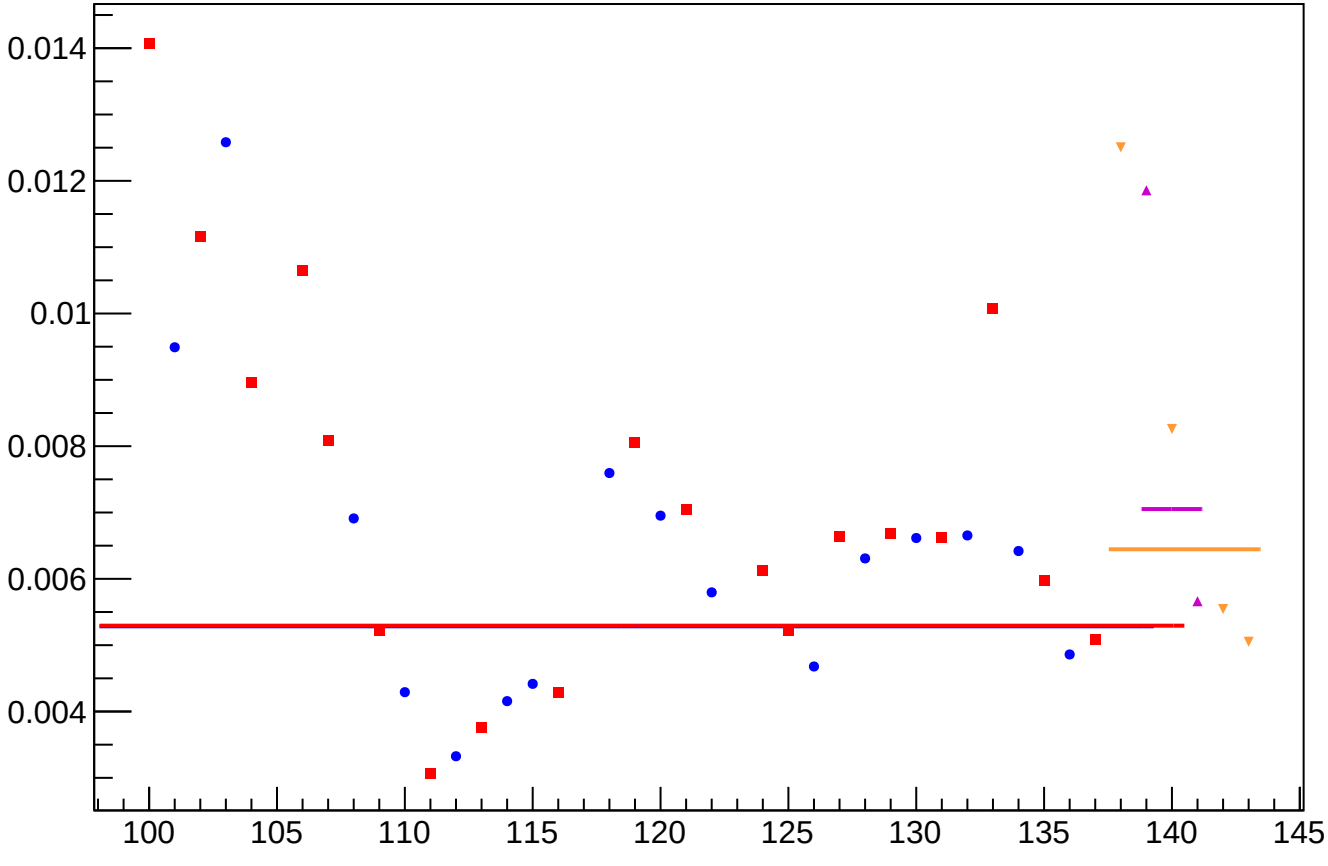
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 10.075+/-0.000 χ^2/NDF:10700025136.2/17

Out: 10.086+/-0.000 χ^2/NDF:16673414457.3/22

All: 10.081+/-0.000 χ^2/NDF: 27386309187.4

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:498118.4/3

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: 0.007+/-0.000 χ^2/NDF: 842686.6/5

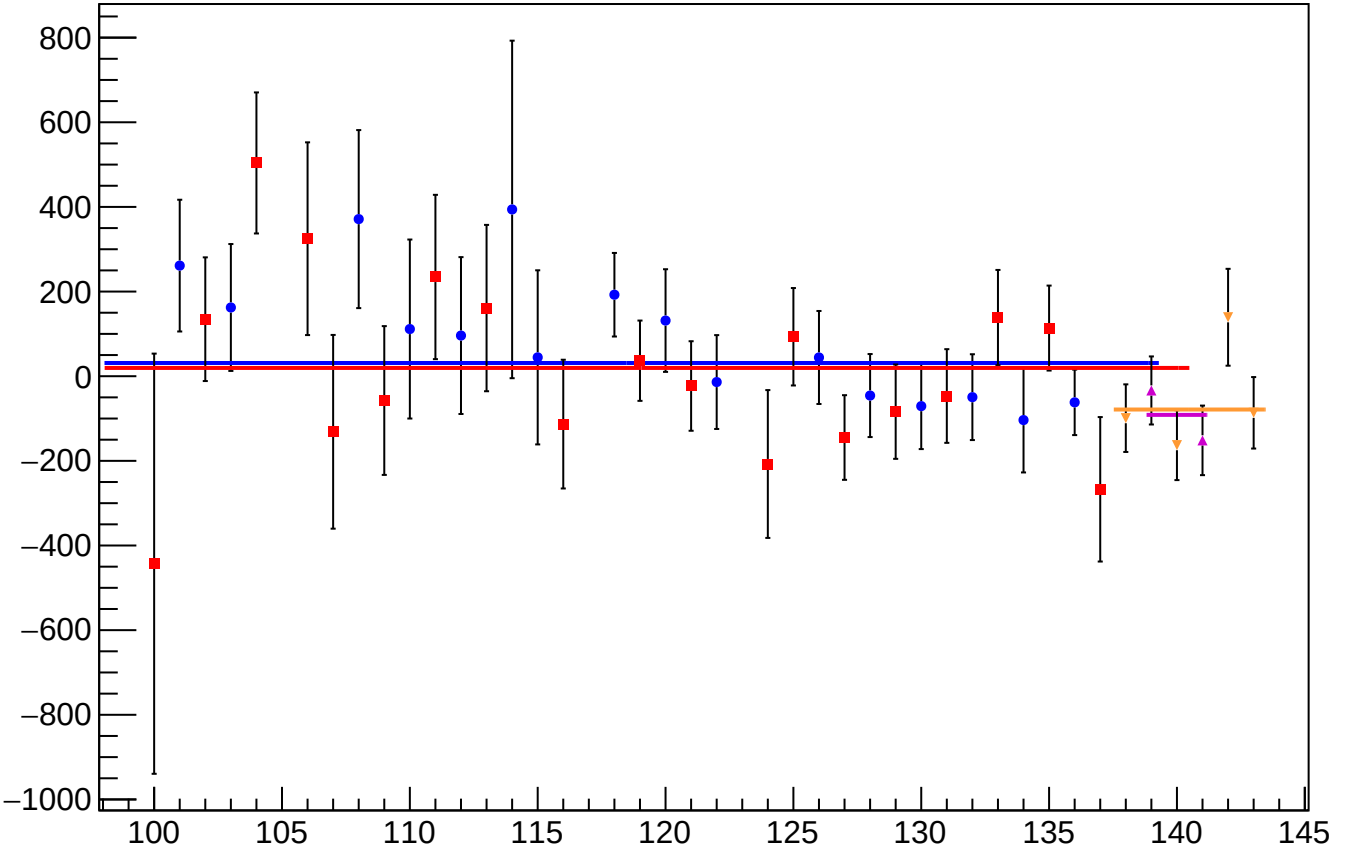
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.005+/-0.000 χ^2/NDF:1744439.1/17

Out: 0.006+/-0.000 χ^2/NDF:2393226.6/22

All: 0.006+/-0.000 χ^2/NDF: 4137945.6/40

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.700+/-43.848 χ^2/NDF:4.7/3

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: -83.354+/-34.861 χ^2/NDF: 5.8/5

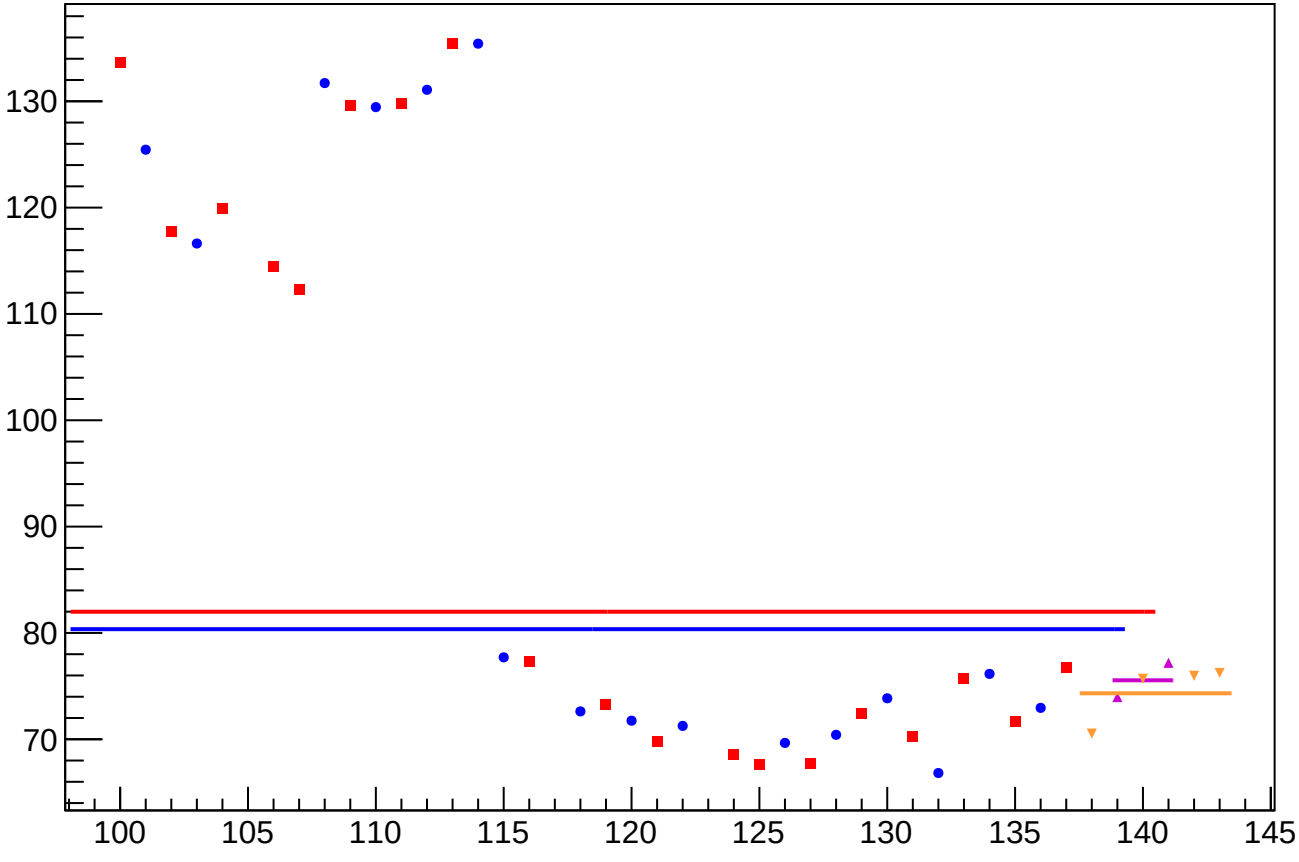
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: 3.915+/-27.138 χ^2/NDF:19.7/17

Out: -13.259+/-25.345 χ^2/NDF:34.0/22

All: -5.258+/-18.523 χ^2/NDF: 53.9/40

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

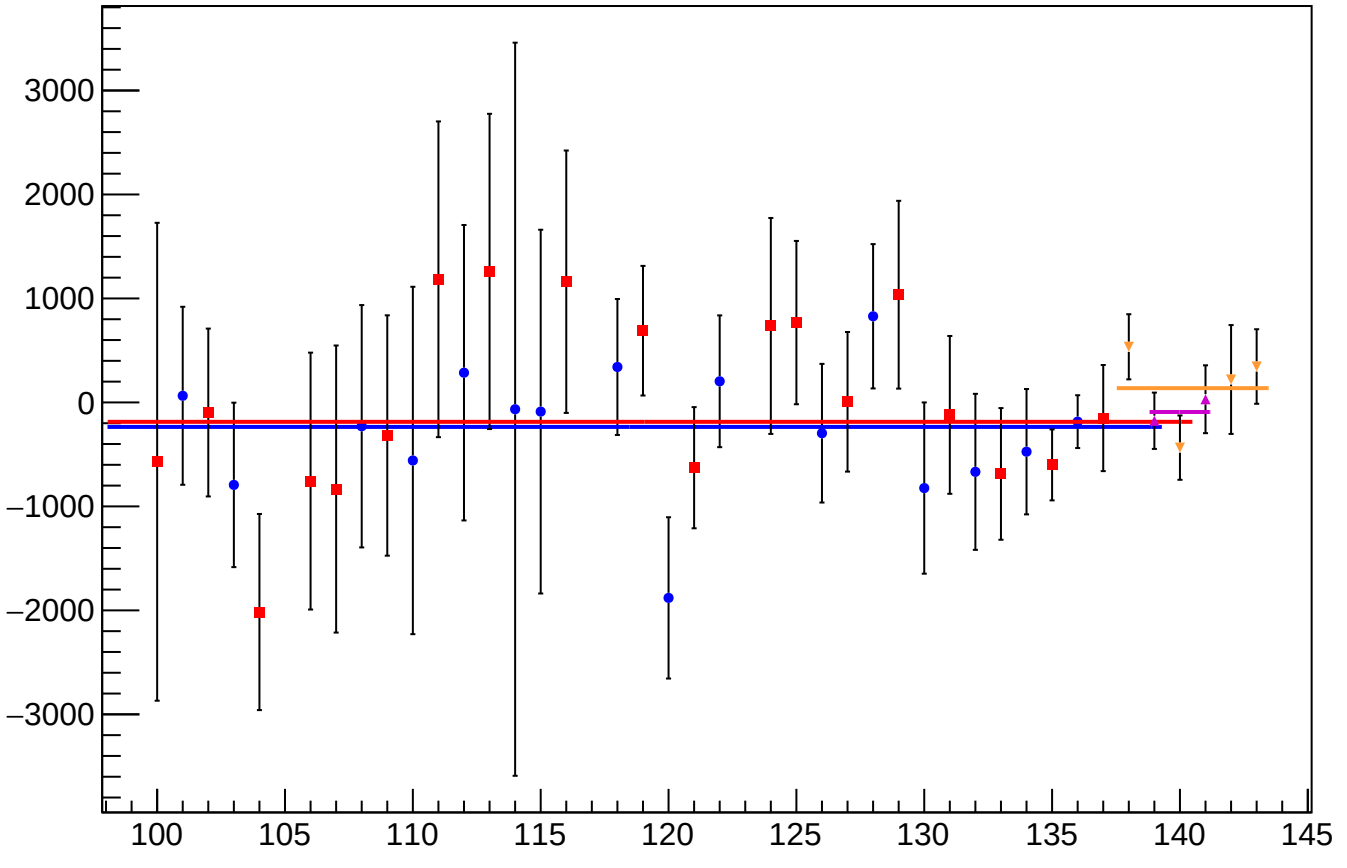
Left: 74.773+/-0.025 χ^2/NDF: 8642.3/5

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.282+/-0.019 χ^2/NDF:852487.4/17

Out: 79.431+/-0.018 χ^2/NDF:979585.4/22

All: 79.361+/-0.013 χ^2/NDF: 1832104.9/40



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.359+/-176.595 χ^2/NDF:5.4/3

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: 41.474+/-134.723 χ^2/NDF: 6.3/5

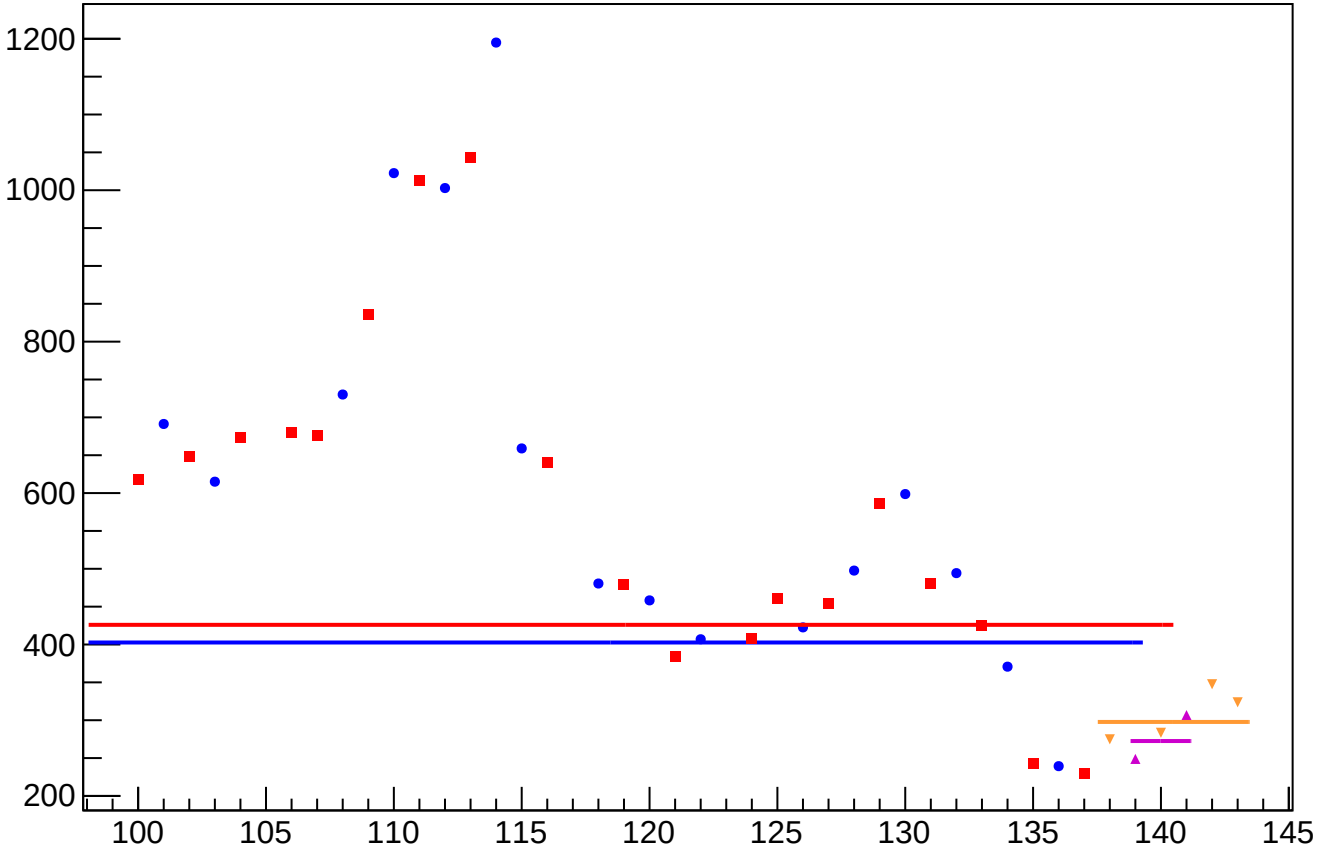
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -180.735+/-128.760 χ^2/NDF:10.5/17

Out: -30.417+/-122.620 χ^2/NDF:23.1/22

All: -101.907+/-88.797 χ^2/NDF: 34.3/40

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 297.731+/-0.125 χ^2/NDF:43557.2/3

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 272.510+/-0.147 χ^2/NDF:37258.4/1

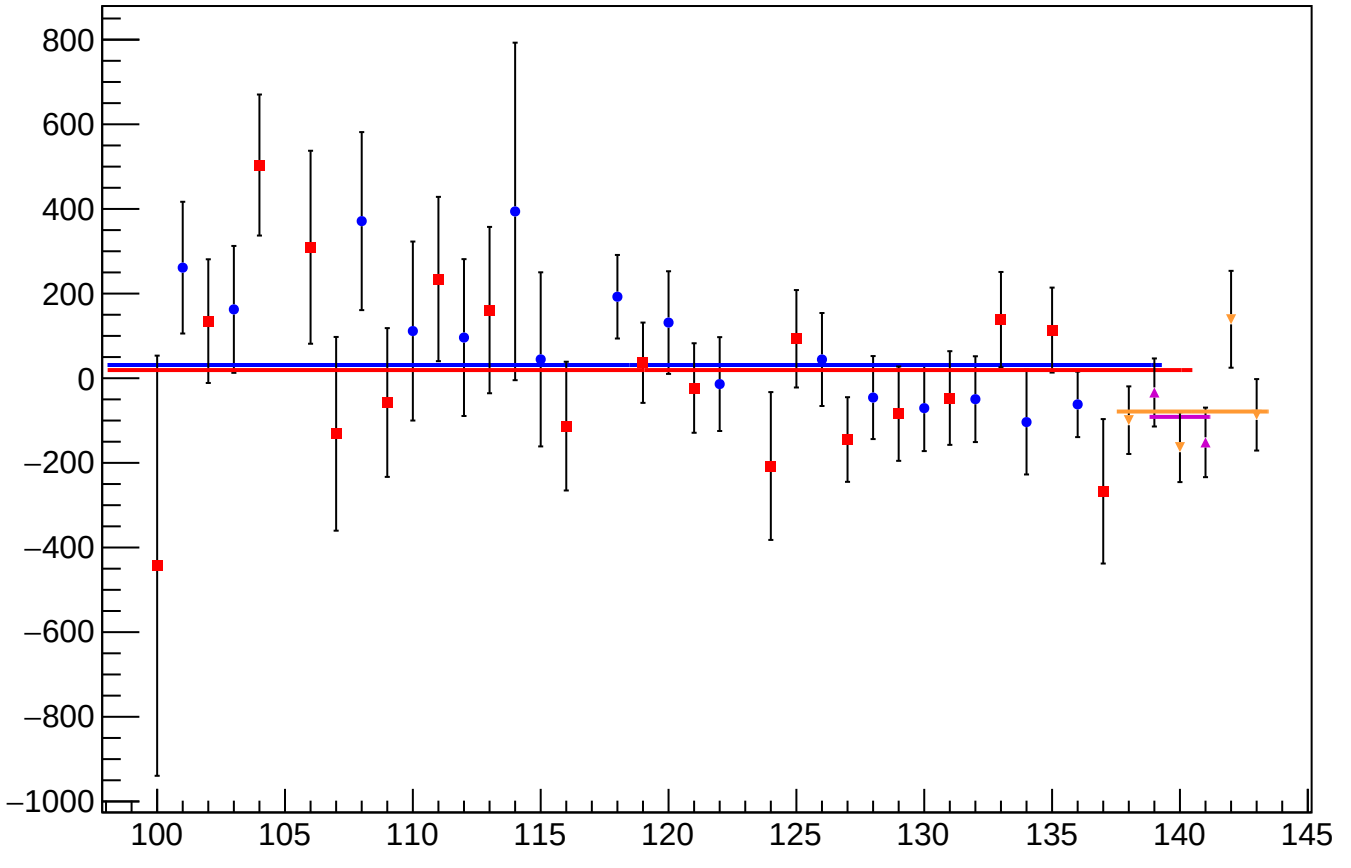
Left: 287.188+/-0.095 χ^2/NDF: 97867.8/5

Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 352.965+/-0.091 χ^2/NDF:2879648.6/17

Out: 364.146+/-0.087 χ^2/NDF:2958607.7/22

All: 358.829+/-0.063 χ^2/NDF: 5846164.9/40



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.697+/-43.848 χ^2/NDF:4.7/3

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: -83.351+/-34.861 χ^2/NDF: 5.8/5

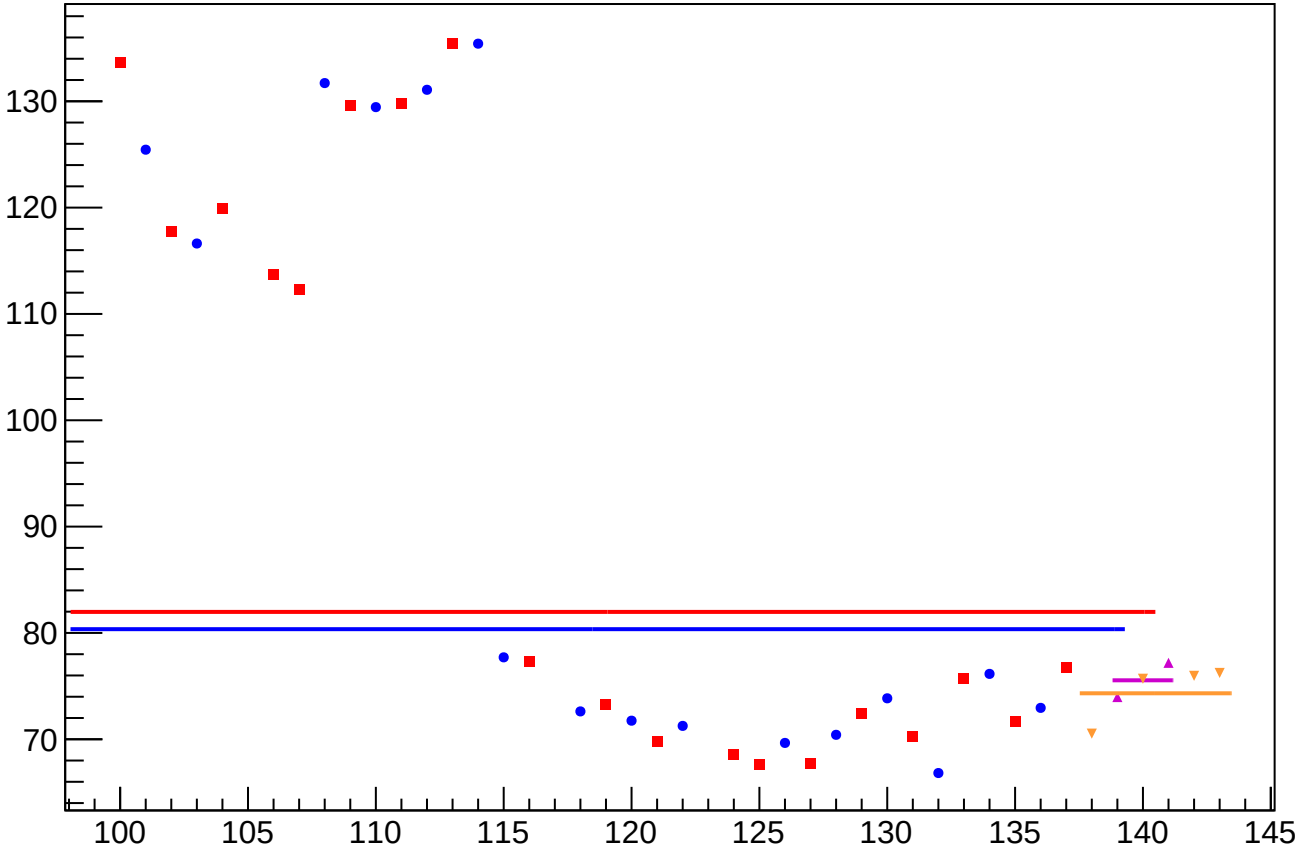
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 3.924+/-27.138 χ^2/NDF:19.7/17

Out: -13.454+/-25.345 χ^2/NDF:33.8/22

All: -5.358+/-18.523 χ^2/NDF: 53.7/40

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

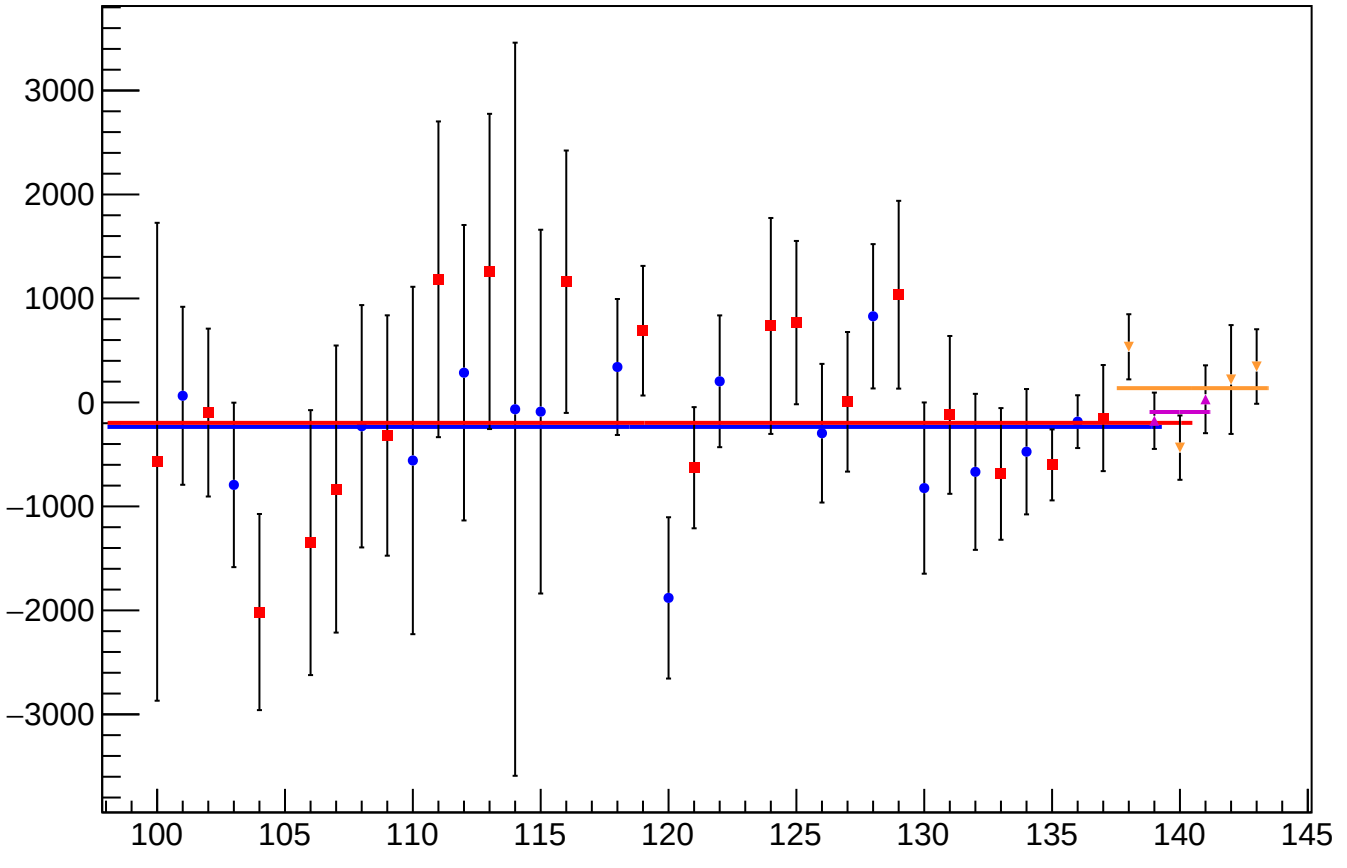
Left: 74.773+/-0.025 χ^2/NDF: 8642.3/5

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.282+/-0.019 χ^2/NDF:852487.6/17

Out: 79.420+/-0.018 χ^2/NDF:977553.7/22

All: 79.356+/-0.013 χ^2/NDF: 1830069.2/40



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.358+/-176.594 χ^2/NDF:5.4/3

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: 41.473+/-134.722 χ^2/NDF: 6.3/5

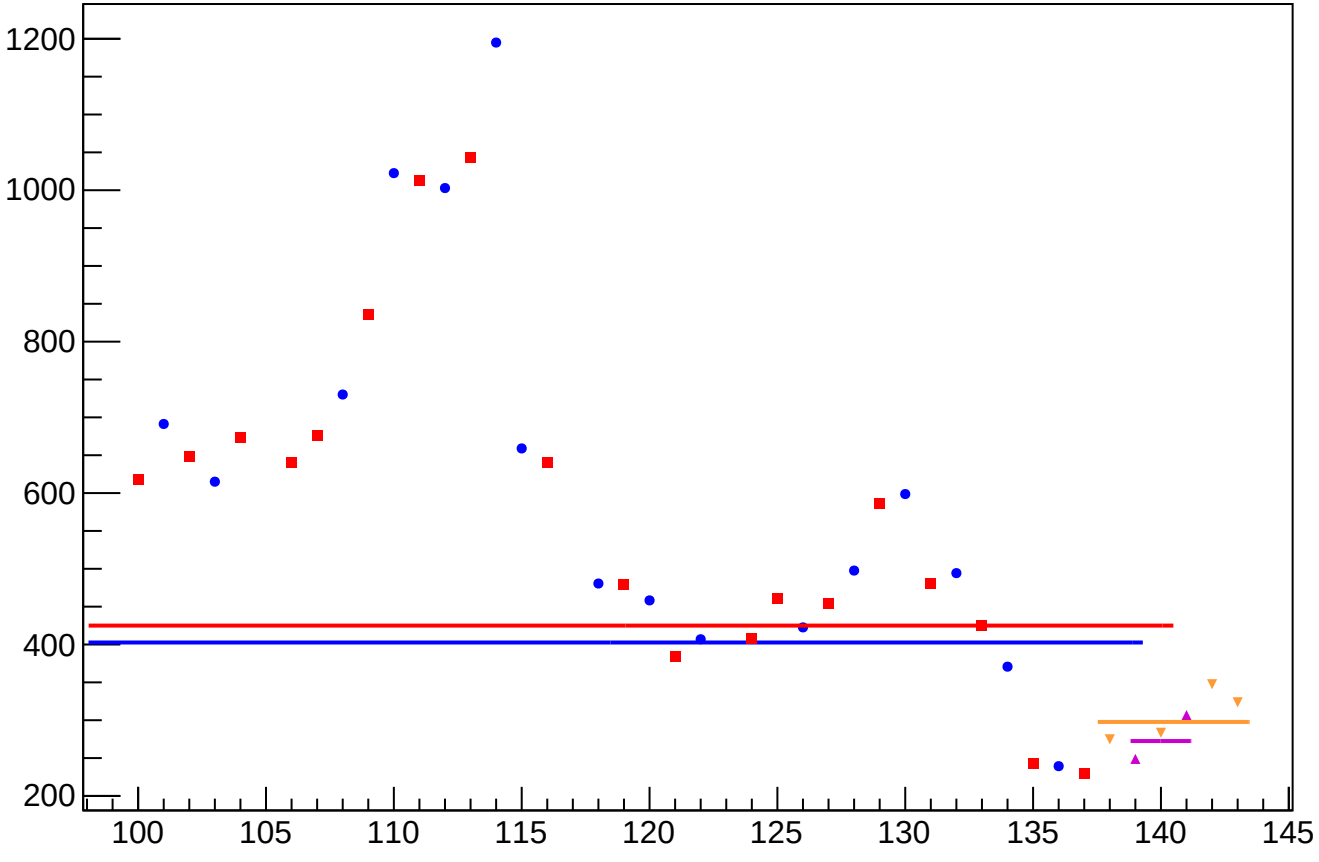
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -180.734+/-128.760 χ^2/NDF:10.5/17

Out: -35.480+/-122.657 χ^2/NDF:23.8/22

All: -104.583+/-88.811 χ^2/NDF: 35.0/40

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 297.731+/-0.125 χ^2/NDF:43558.2/3

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 272.509+/-0.147 χ^2/NDF:37257.5/1

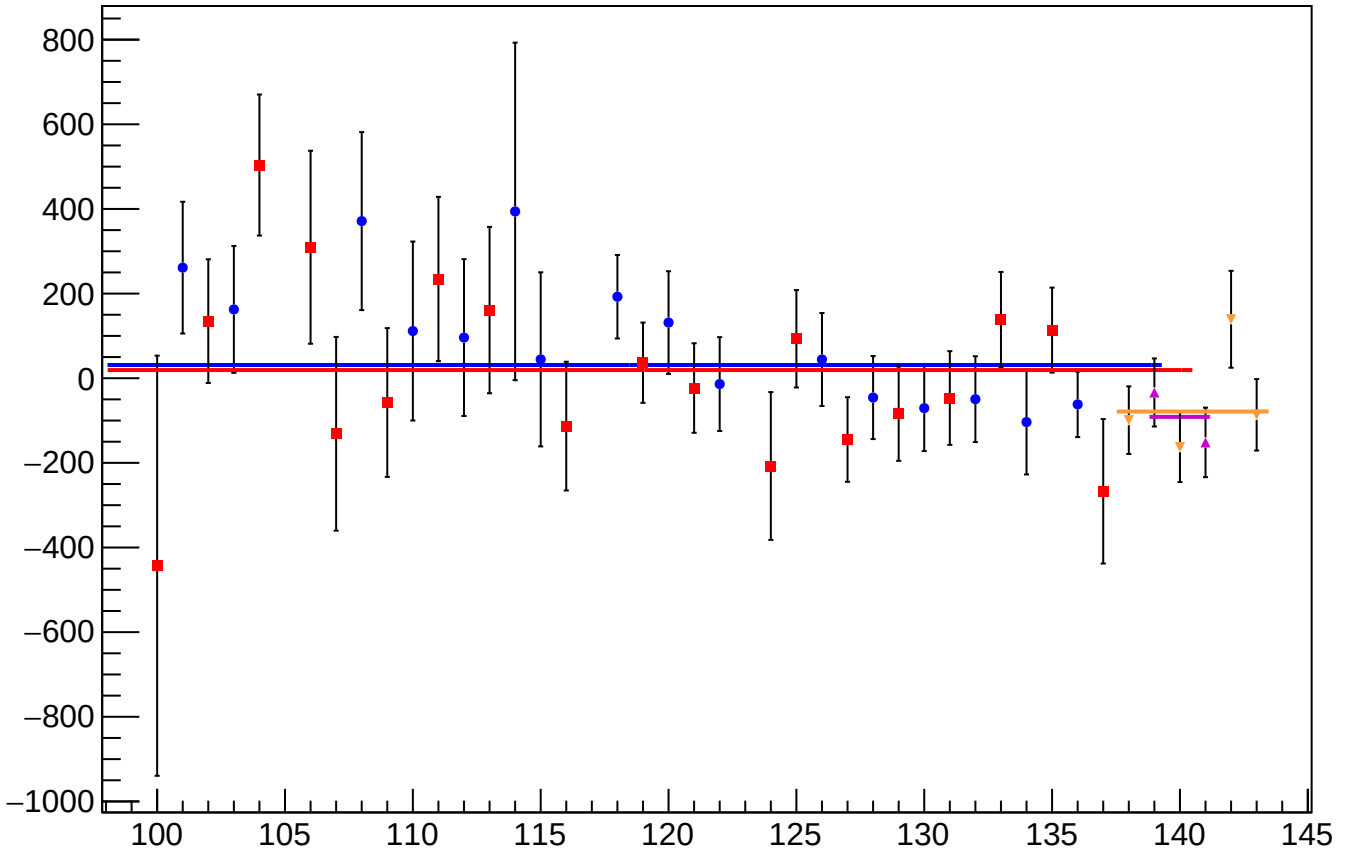
Left: 287.188+/-0.095 χ^2/NDF: 97867.9/5

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 352.965+/-0.091 χ^2/NDF:2879648.1/17

Out: 363.596+/-0.087 χ^2/NDF:2922131.8/22

All: 358.538+/-0.063 χ^2/NDF: 5808926.9/40



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.697+/-43.848 χ^2/NDF:4.7/3

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -91.346+/-57.474 χ^2/NDF:1.1/1

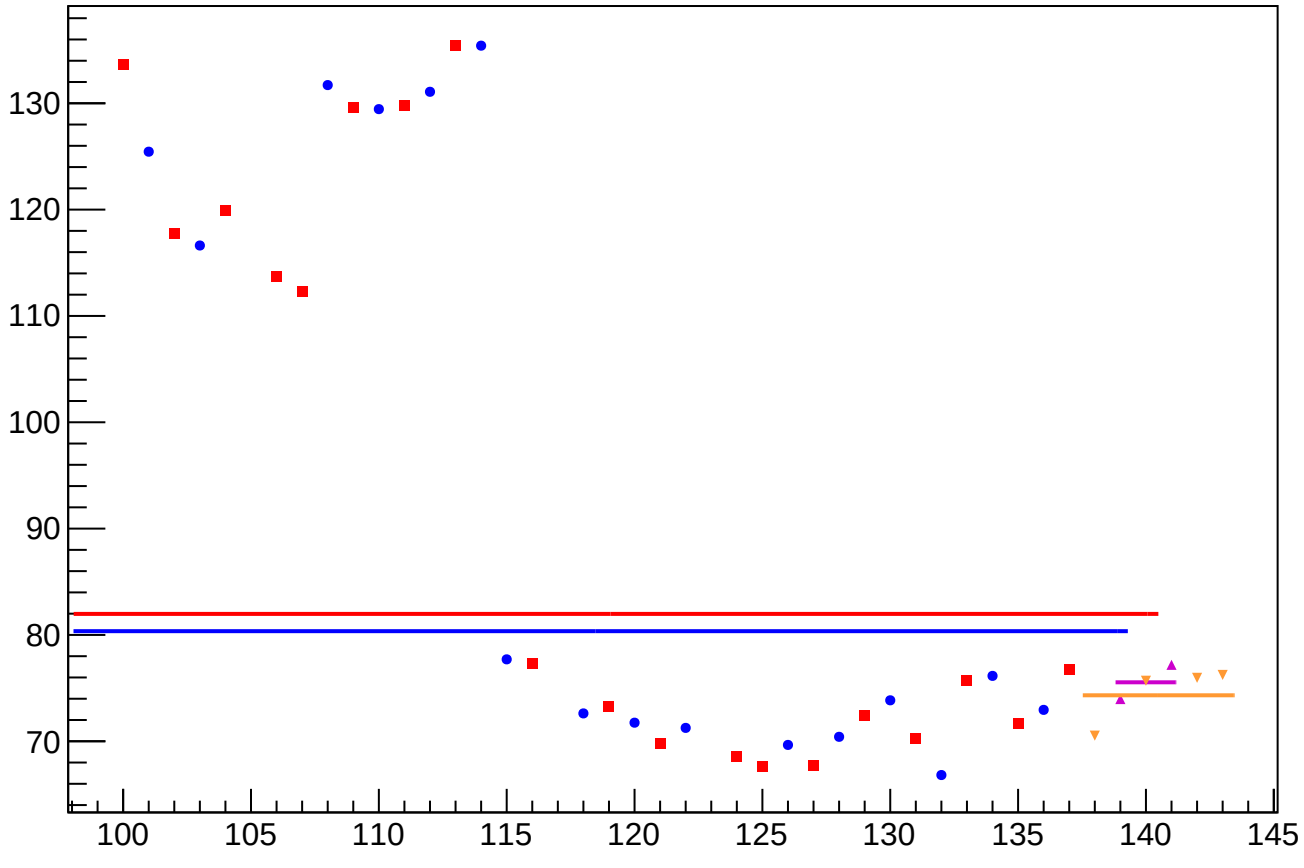
Left: -83.351+/-34.861 χ^2/NDF: 5.8/5

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: 3.924+/-27.138 χ^2/NDF:19.7/17

Out: -13.454+/-25.345 χ^2/NDF:33.8/22

All: -5.358+/-18.523 χ^2/NDF: 53.7/40



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 74.323+/-0.031 χ^2/NDF:6503.2/3

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 75.545+/-0.041 χ^2/NDF:1568.0/1

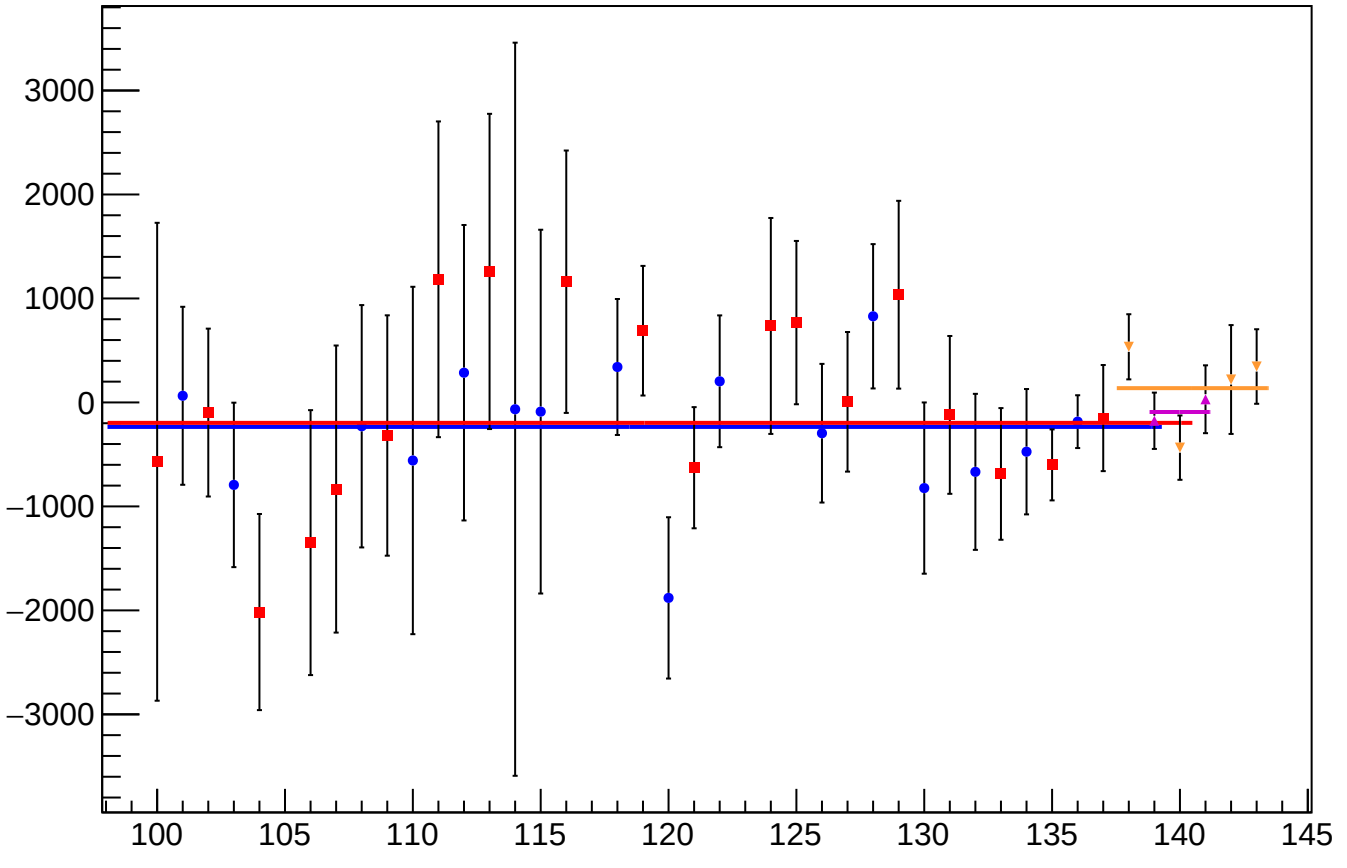
Left: 74.773+/-0.025 χ^2/NDF: 8642.3/5

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.282+/-0.019 χ^2/NDF:852487.6/17

Out: 79.420+/-0.018 χ^2/NDF:977553.7/22

All: 79.356+/-0.013 χ^2/NDF: 1830069.2/40



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 137.358+/-176.594 χ^2/NDF:5.4/3

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: 41.473+/-134.722 χ^2/NDF: 6.3/5

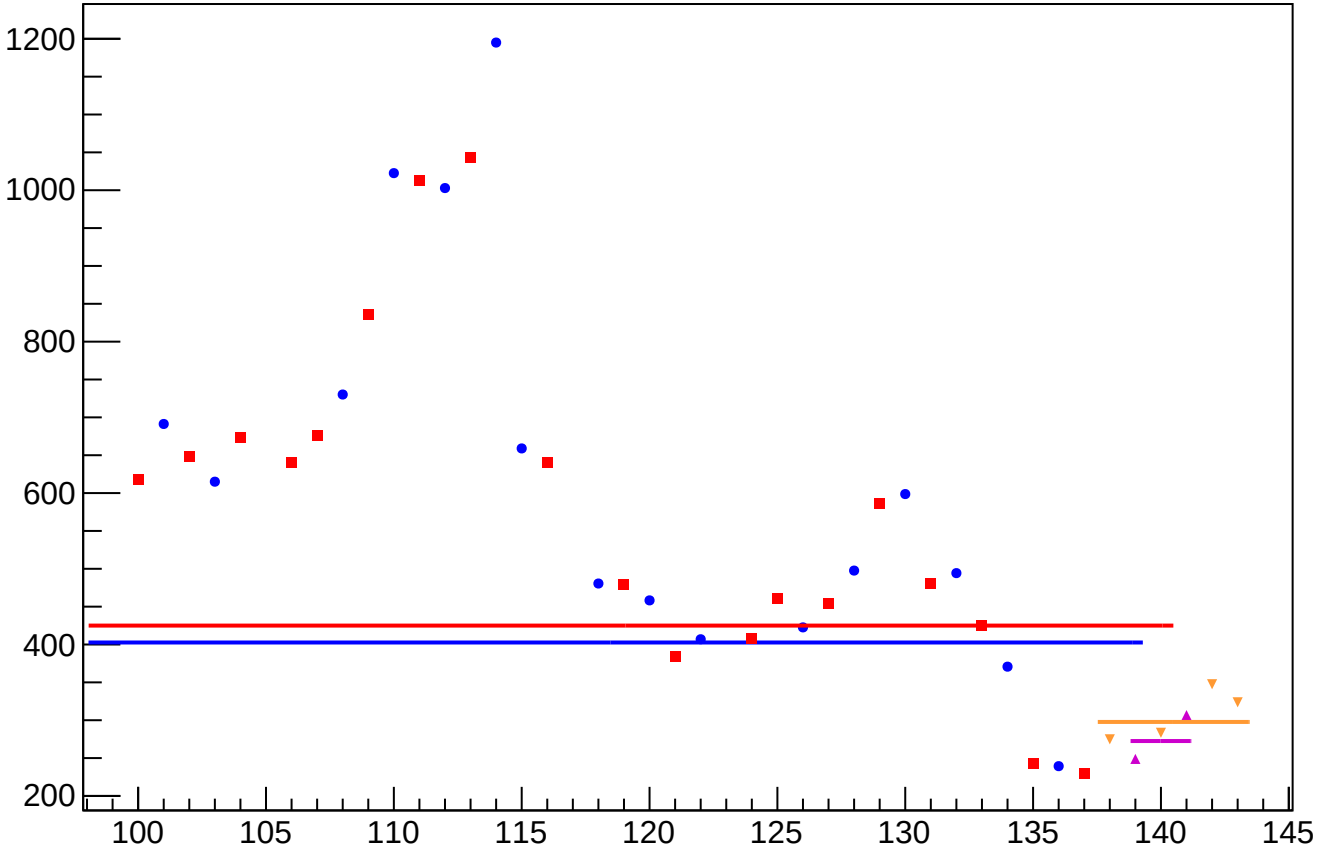
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -180.734+/-128.760 χ^2/NDF:10.5/17

Out: -35.480+/-122.657 χ^2/NDF:23.8/22

All: -104.583+/-88.811 χ^2/NDF: 35.0/40

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 297.731+/-0.125 χ^2/NDF:43558.2/3

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 272.509+/-0.147 χ^2/NDF:37257.5/1

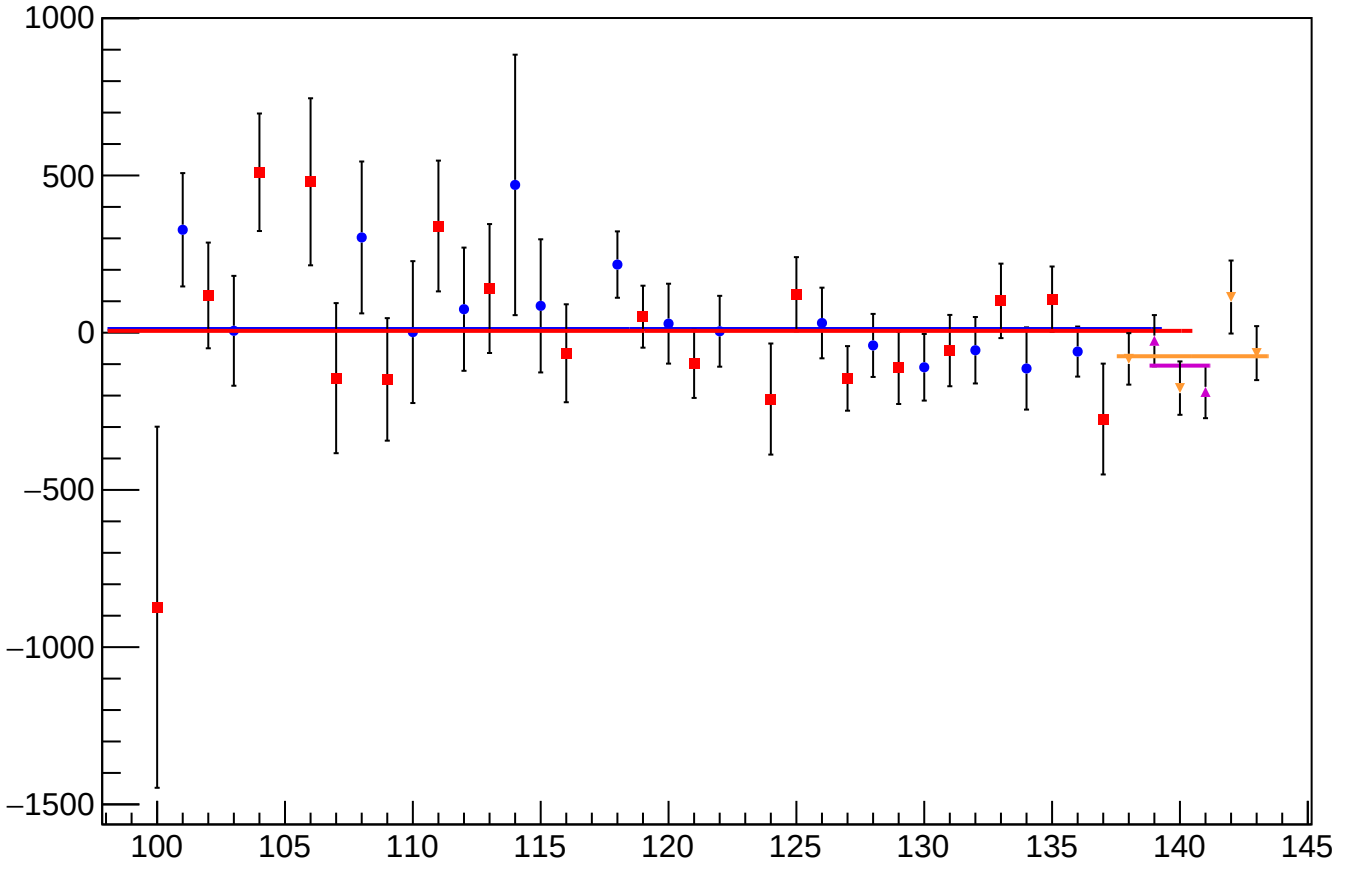
Left: 287.188+/-0.095 χ^2/NDF: 97867.9/5

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 352.965+/-0.091 χ^2/NDF:2879648.1/17

Out: 363.596+/-0.087 χ^2/NDF:2922131.8/22

All: 358.538+/-0.063 χ^2/NDF: 5808926.9/40



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -74.898+/-44.815 χ^2/NDF:4.1/3

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: -85.969+/-35.537 χ^2/NDF: 6.2/5

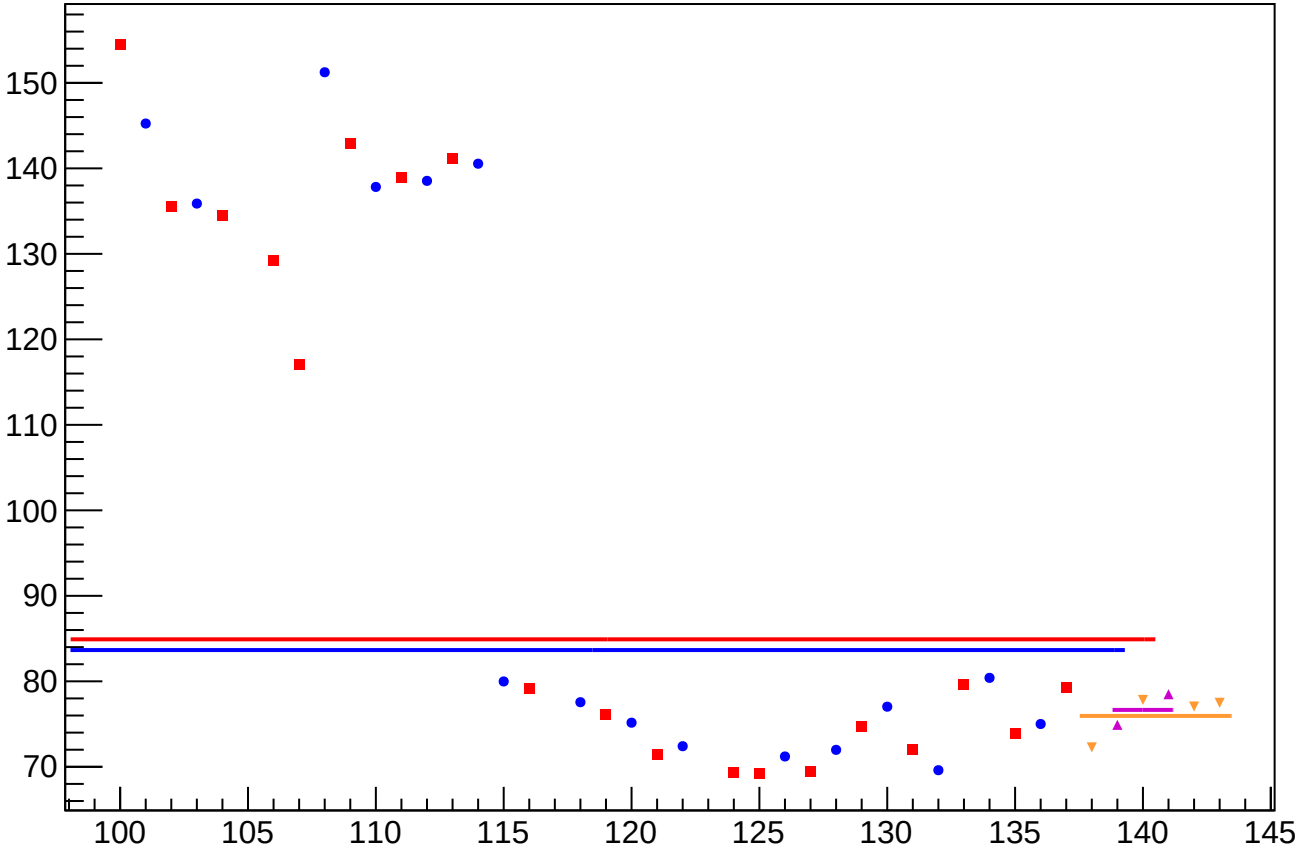
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -15.657+/-28.255 χ^2/NDF:18.5/17

Out: -21.939+/-26.280 χ^2/NDF:35.0/22

All: -19.025+/-19.243 χ^2/NDF: 53.5/40

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 75.953+/-0.032 χ^2/NDF:5832.6/3

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 76.657+/-0.041 χ^2/NDF:1881.0/1

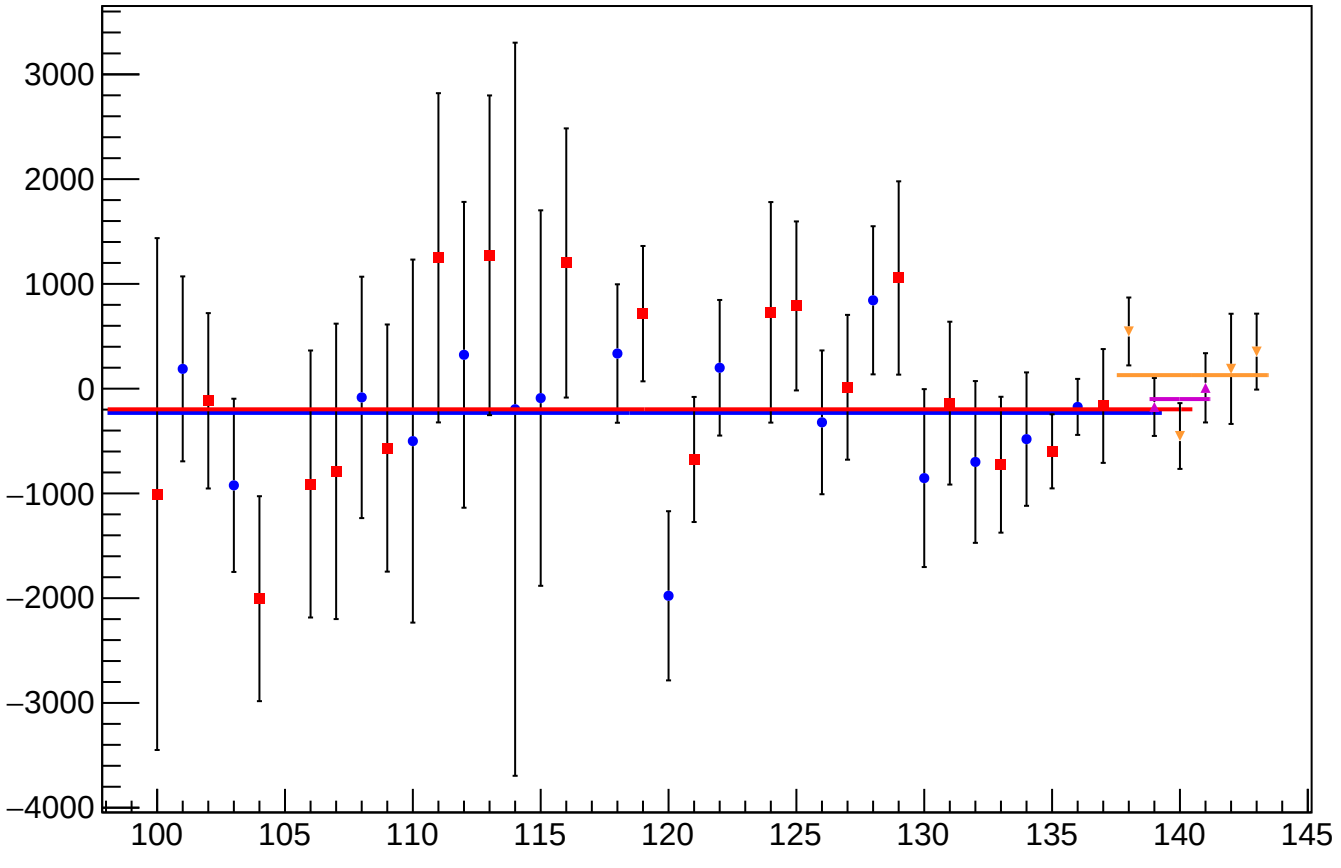
Left: 76.214+/-0.025 χ^2/NDF: 7896.8/5

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.014+/-0.020 χ^2/NDF:1058724.2/17

Out: 81.832+/-0.019 χ^2/NDF:1179961.3/22

All: 81.916+/-0.014 χ^2/NDF: 2238730.3/40



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 129.110+/-179.911 χ^2/NDF:5.5/3

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -99.424+/-212.166 χ^2/NDF:0.2/1

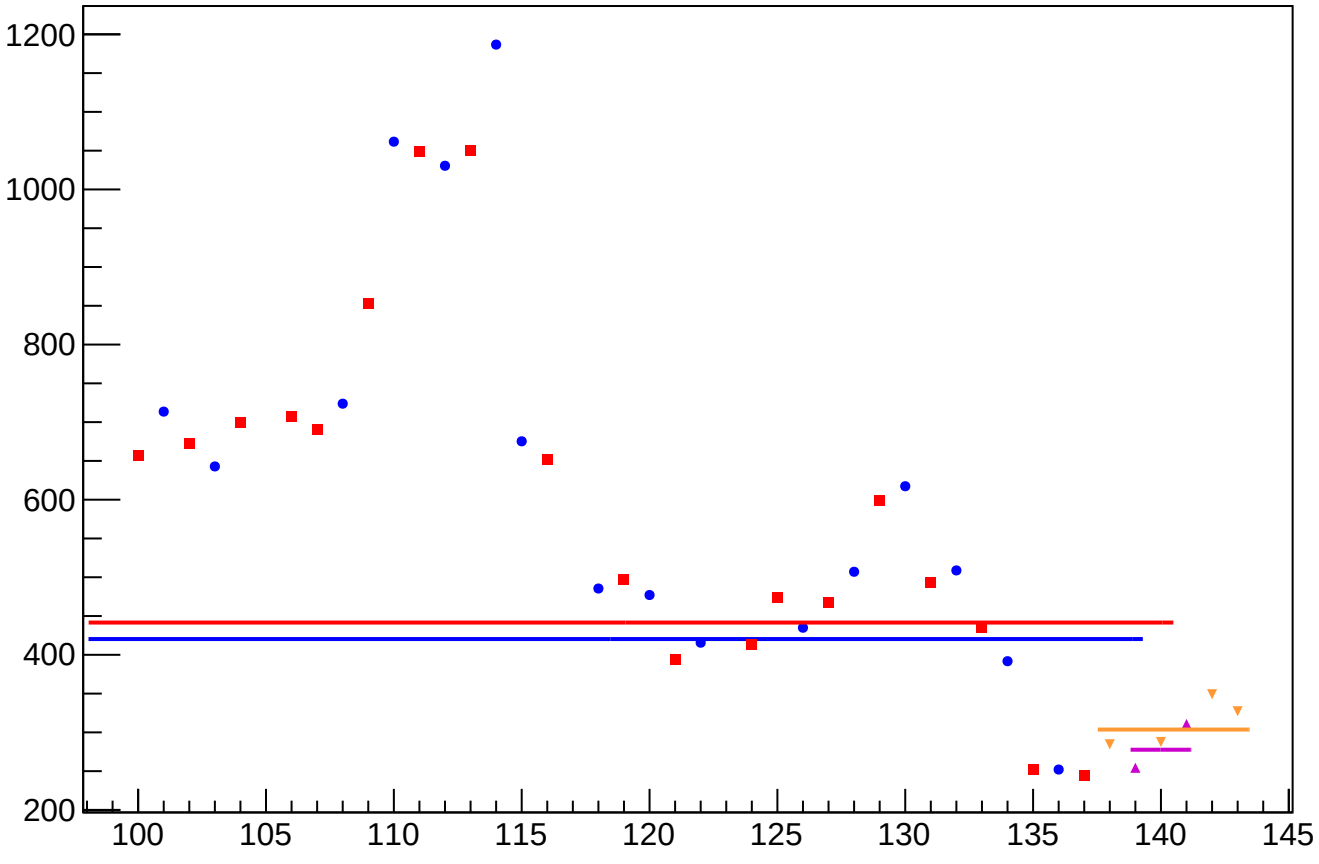
Left: 33.518+/-137.219 χ^2/NDF: 6.3/5

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -179.753+/-132.729 χ^2/NDF:10.8/17

Out: -37.549+/-125.844 χ^2/NDF:23.1/22

All: -104.867+/-91.322 χ^2/NDF: 34.5/40



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 303.642+/-0.127 χ^2/NDF:35523.8/3

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 277.637+/-0.150 χ^2/NDF:34260.6/1

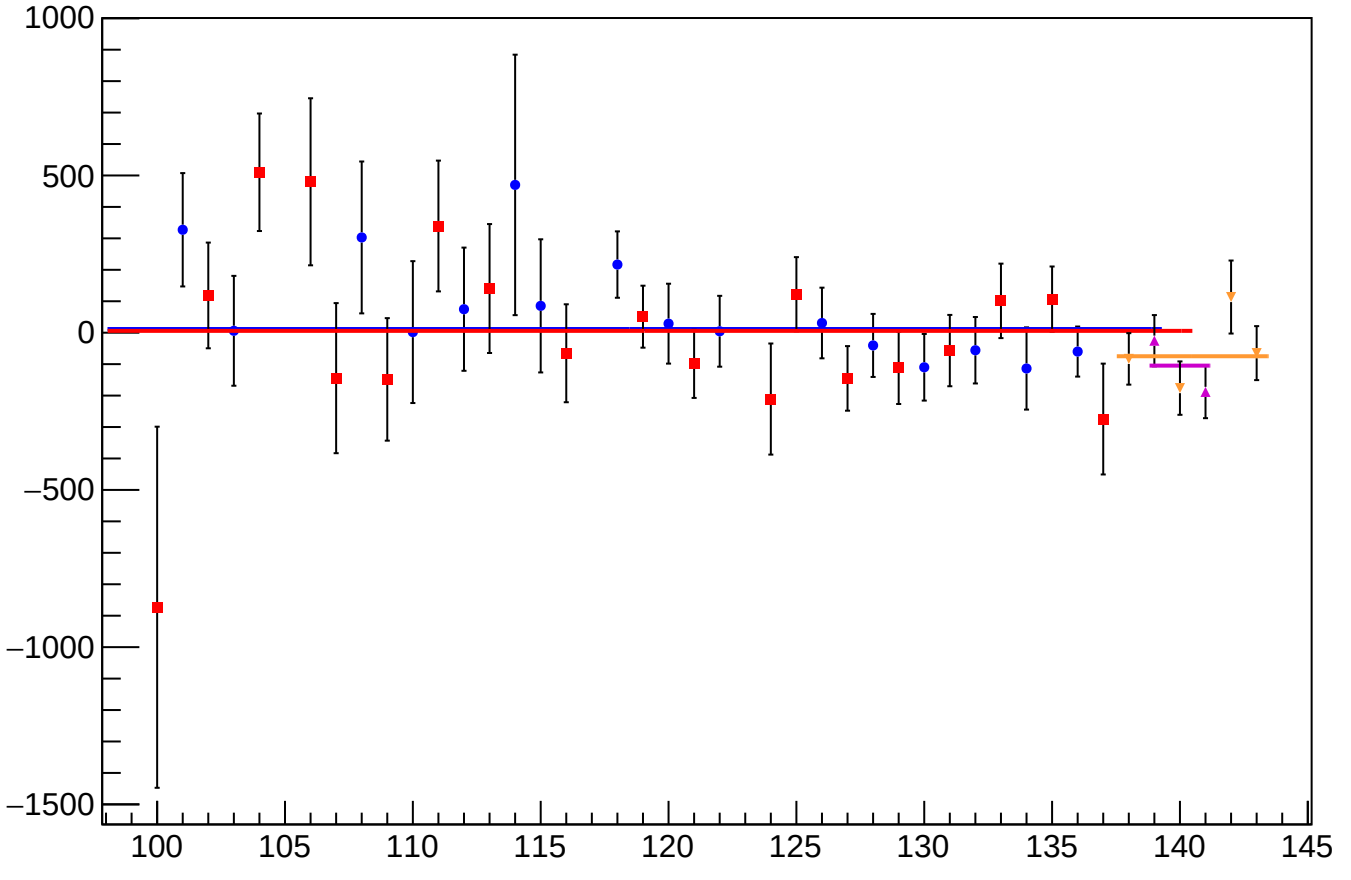
Left: 292.765+/-0.097 χ^2/NDF: 87263.3/5

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 364.485+/-0.094 χ^2/NDF:2839469.0/17

Out: 374.100+/-0.089 χ^2/NDF:2943705.5/22

All: 369.548+/-0.065 χ^2/NDF: 5788701.9/40



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -74.899+/-44.815 χ^2/NDF:4.1/3

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: -85.969+/-35.537 χ^2/NDF: 6.2/5

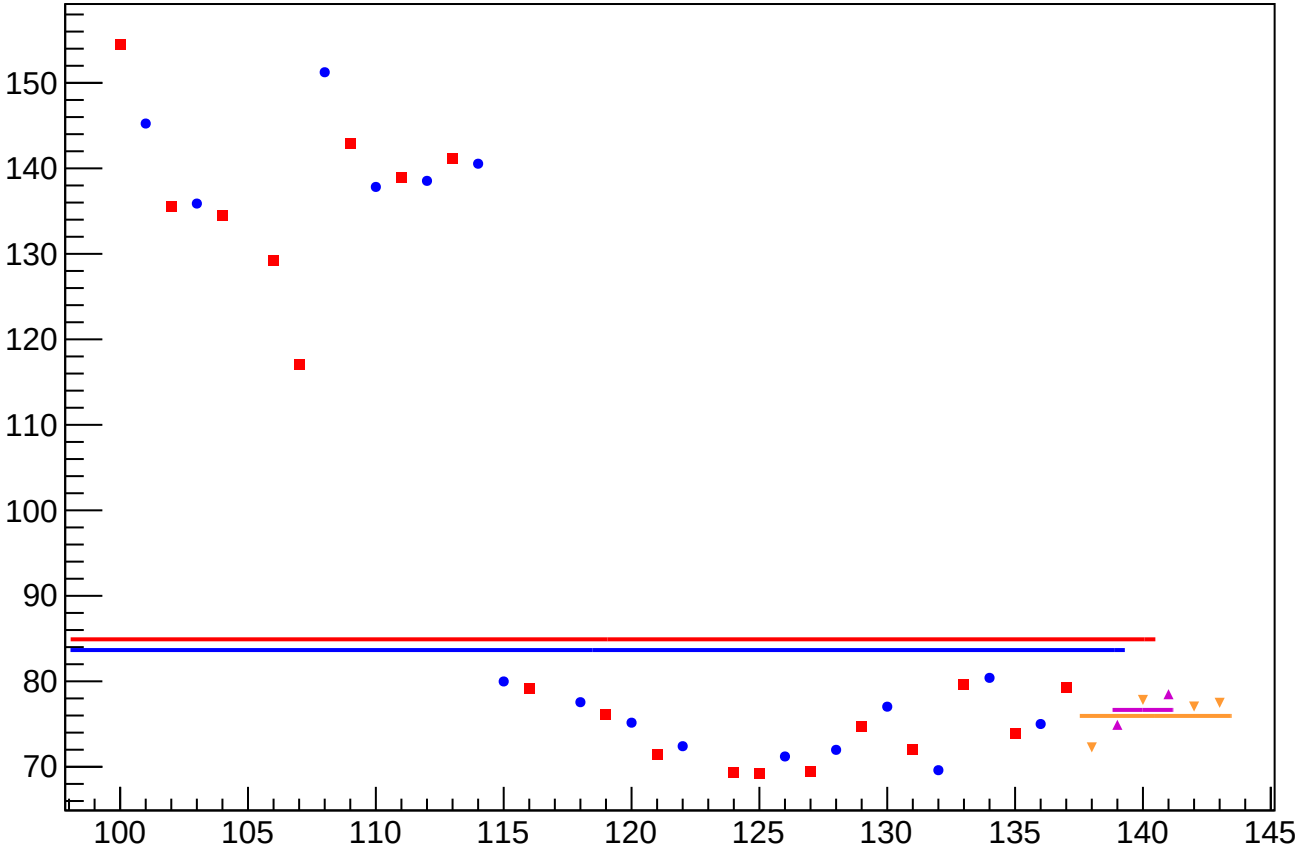
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -15.656+/-28.255 χ^2/NDF:18.5/17

Out: -21.940+/-26.280 χ^2/NDF:35.0/22

All: -19.025+/-19.243 χ^2/NDF: 53.5/40

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 75.953+/-0.032 χ^2/NDF:5832.6/3

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 76.657+/-0.041 χ^2/NDF:1881.1/1

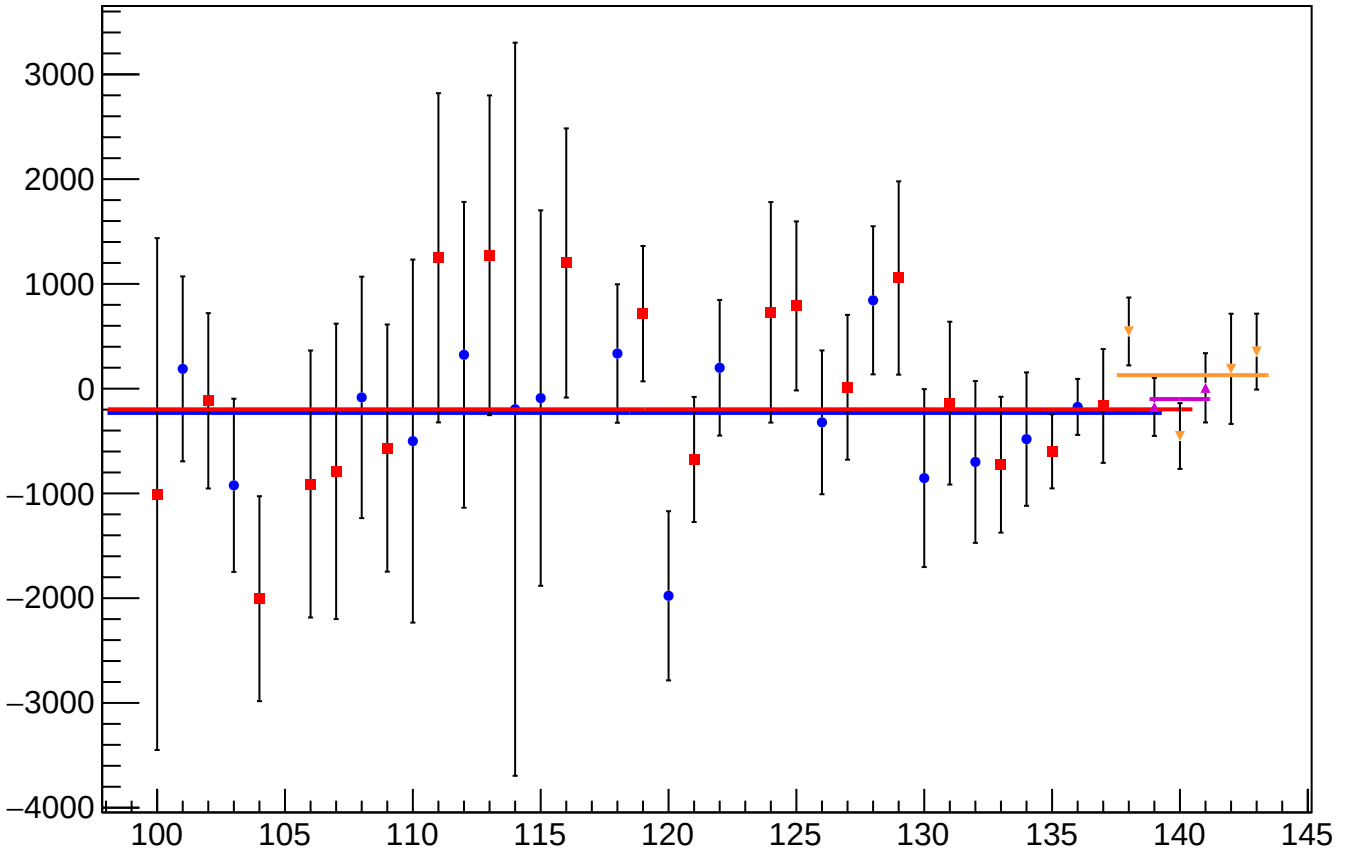
Left: 76.214+/-0.025 χ^2/NDF: 7896.9/5

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.014+/-0.020 χ^2/NDF:1058723.3/17

Out: 81.832+/-0.019 χ^2/NDF:1179959.4/22

All: 81.916+/-0.014 χ^2/NDF: 2238727.6/40



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 129.109+/-179.911 χ^2/NDF:5.5/3

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -99.424+/-212.166 χ^2/NDF:0.2/1

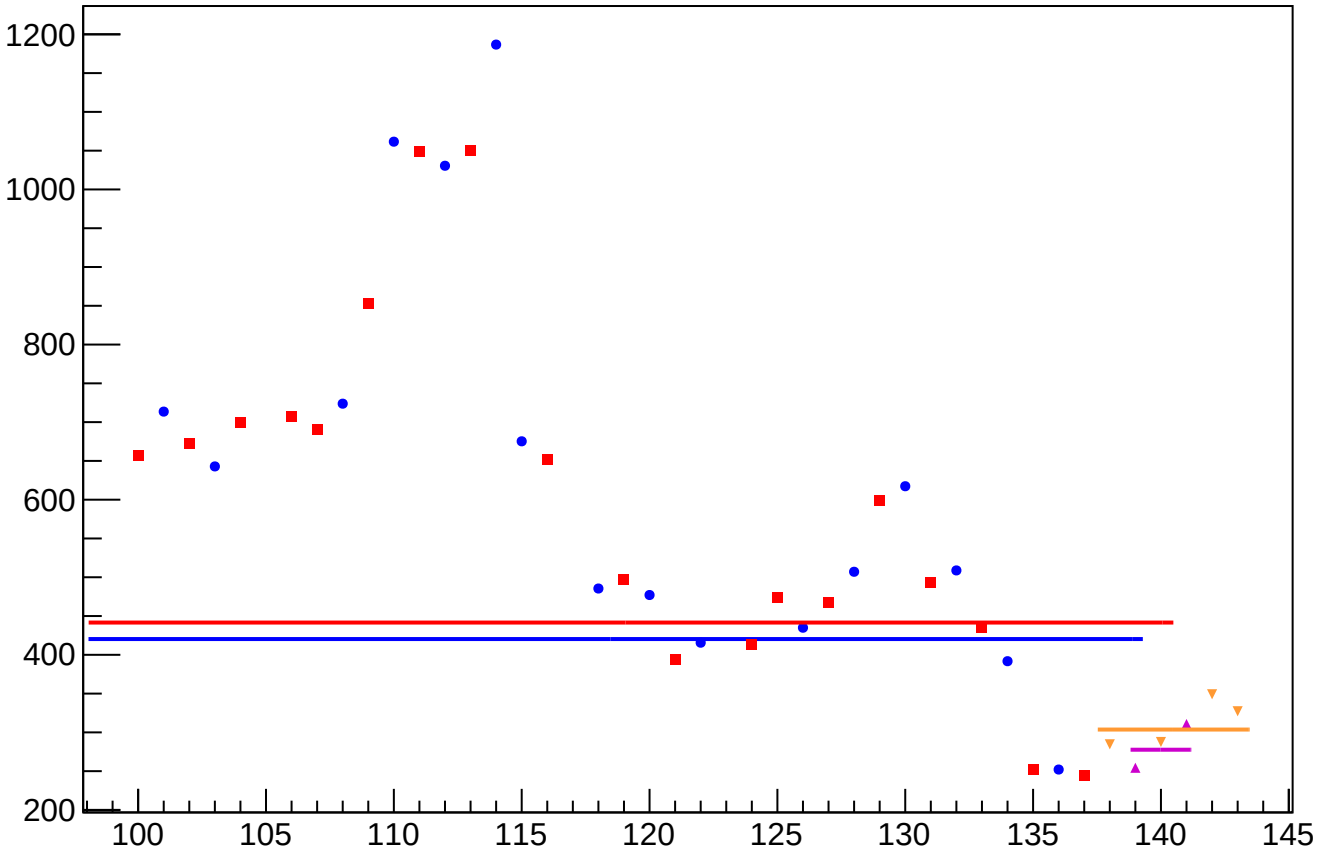
Left: 33.517+/-137.218 χ^2/NDF: 6.3/5

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -179.752+/-132.729 χ^2/NDF:10.8/17

Out: -37.550+/-125.844 χ^2/NDF:23.1/22

All: -104.867+/-91.322 χ^2/NDF: 34.5/40



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 303.642+/-0.127 χ^2/NDF:35523.3/3

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: 292.764+/-0.097 χ^2/NDF: 87263.0/5

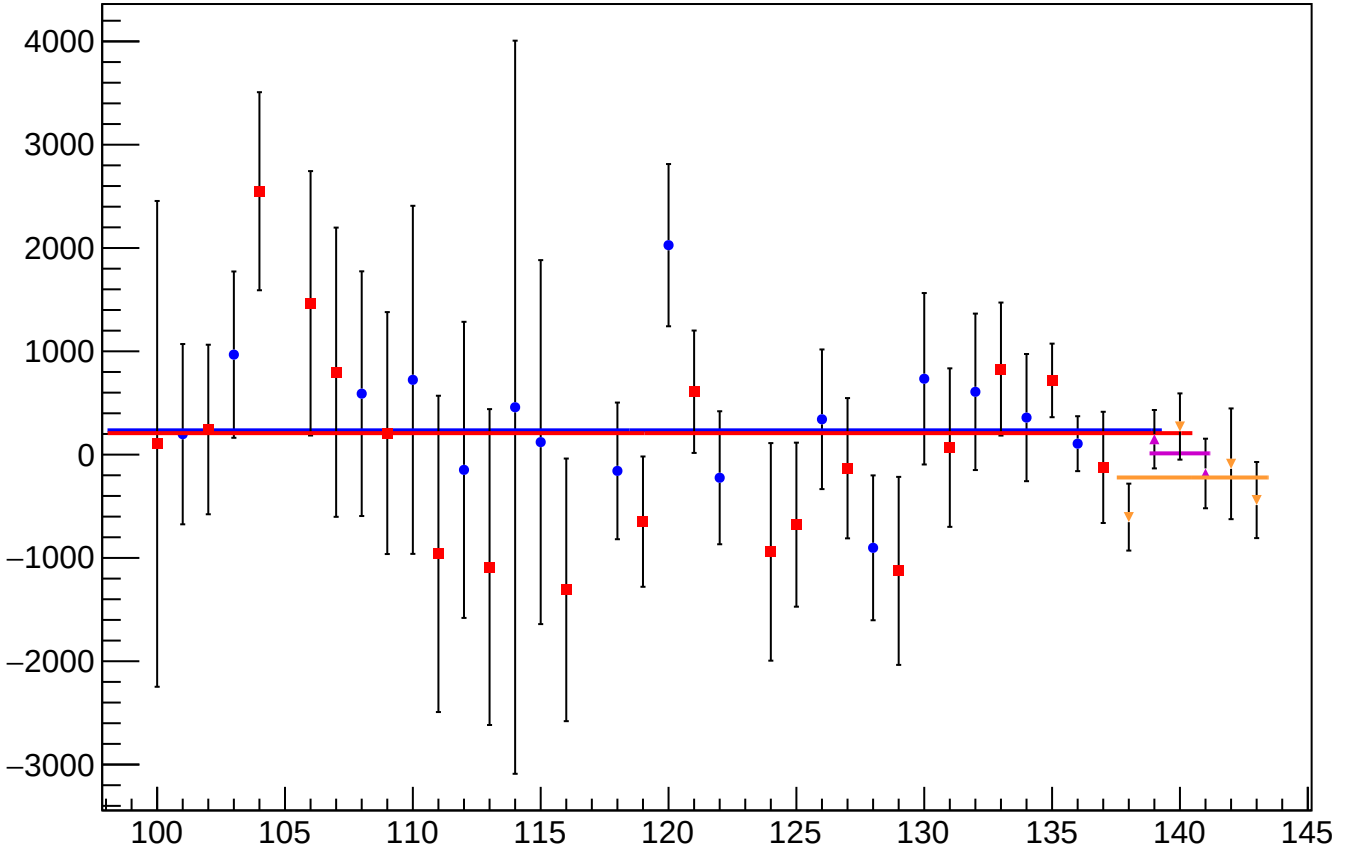
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 364.484+/-0.094 χ^2/NDF:2839472.1/17

Out: 374.100+/-0.089 χ^2/NDF:2943708.6/22

All: 369.548+/-0.065 χ^2/NDF: 5788708.1/40

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -221.315+/-182.244 χ^2/NDF:4.2/3

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: -124.457+/-139.414 χ^2/NDF: 5.4/5

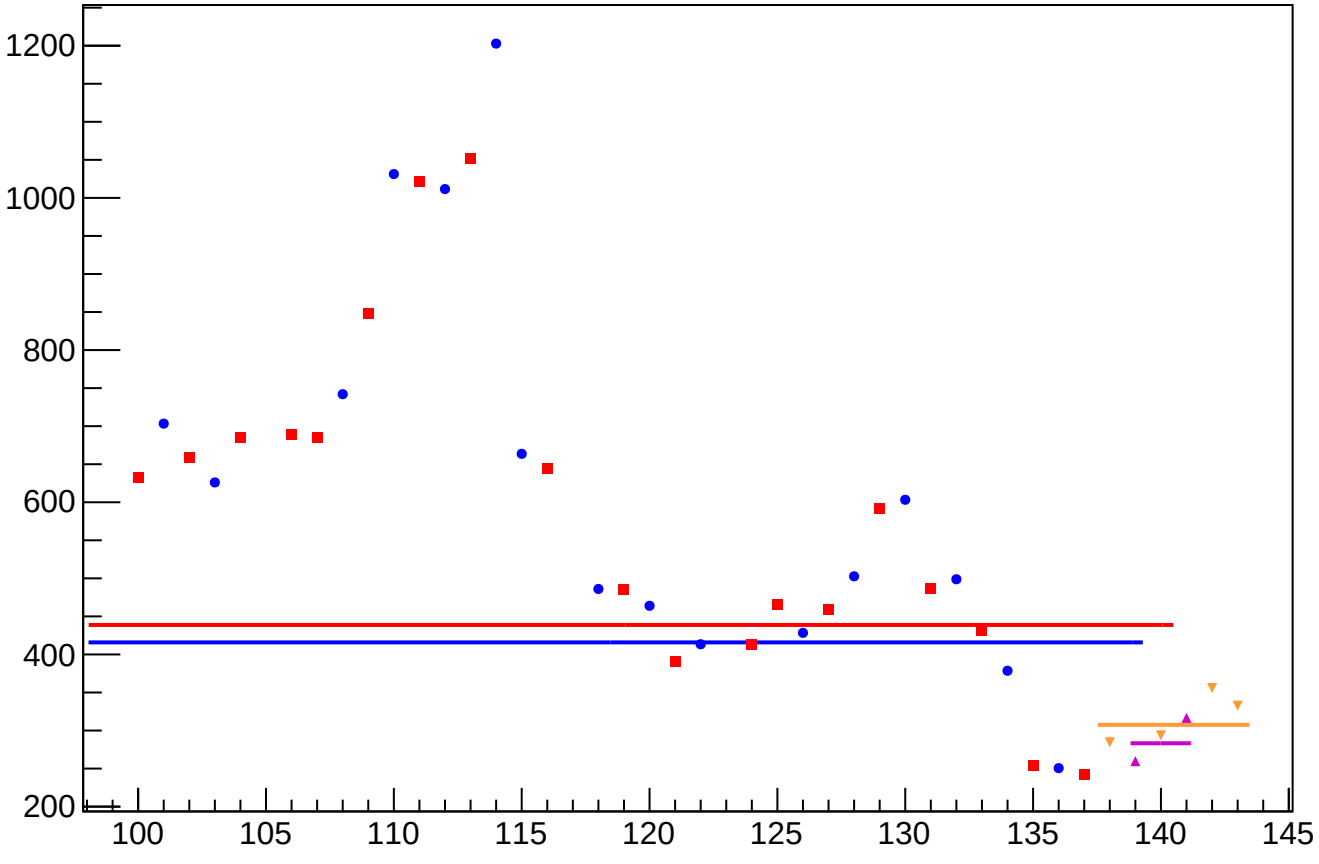
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 151.152+/-132.816 χ^2/NDF:11.9/17

Out: 2.360+/-126.120 χ^2/NDF:27.4/22

All: 72.911+/-91.456 χ^2/NDF: 40.0/40

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 307.480+/-0.129 χ^2/NDF:39370.1/3

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 283.283+/-0.153 χ^2/NDF:33376.5/1

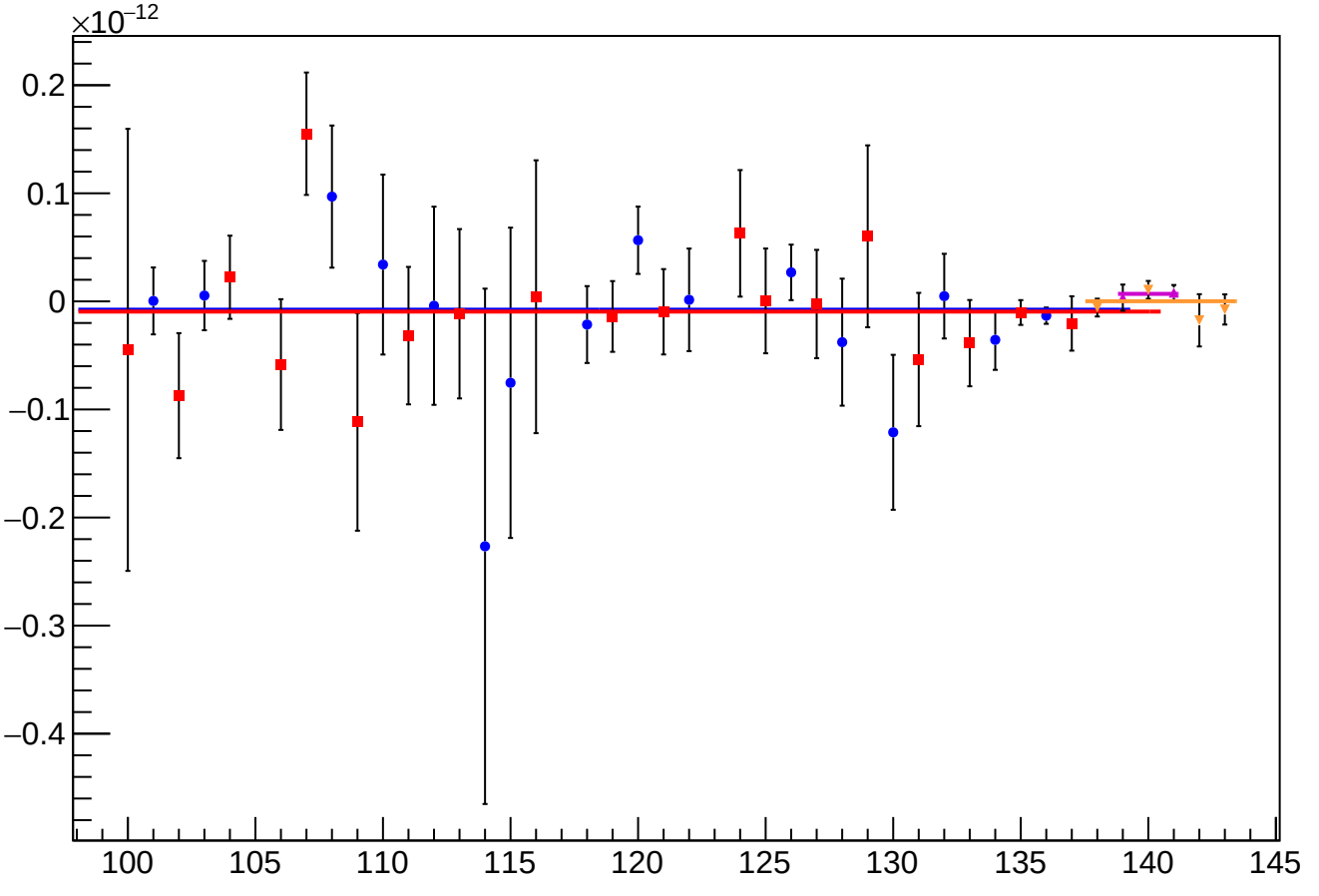
Left: 297.443+/-0.099 χ^2/NDF: 87371.4/5

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 365.936+/-0.094 χ^2/NDF:2724970.6/17

Out: 375.895+/-0.089 χ^2/NDF:2815035.9/22

All: 371.173+/-0.065 χ^2/NDF: 5545919.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

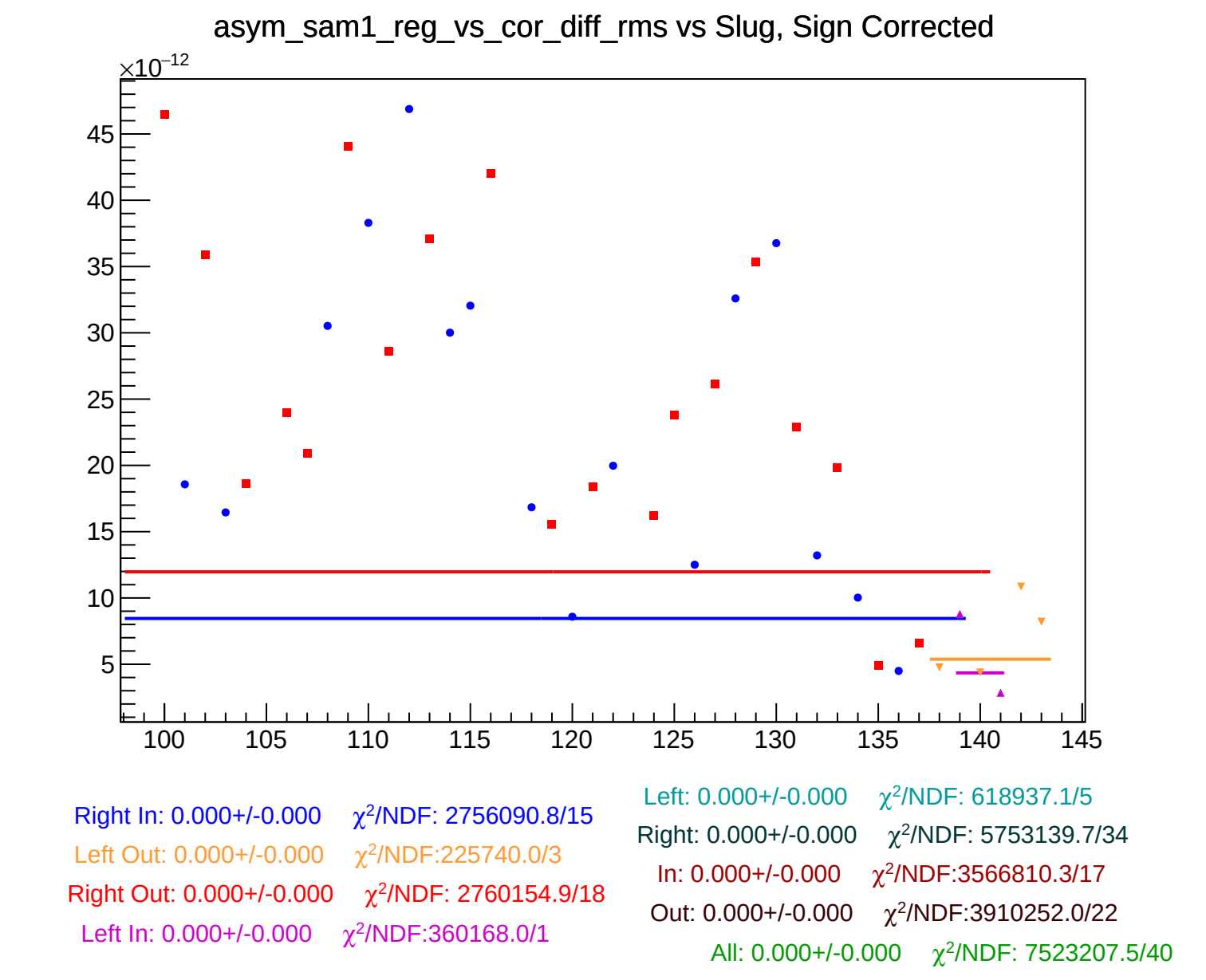
Left: 0.000+/-0.000 χ^2/NDF: 3.8/5

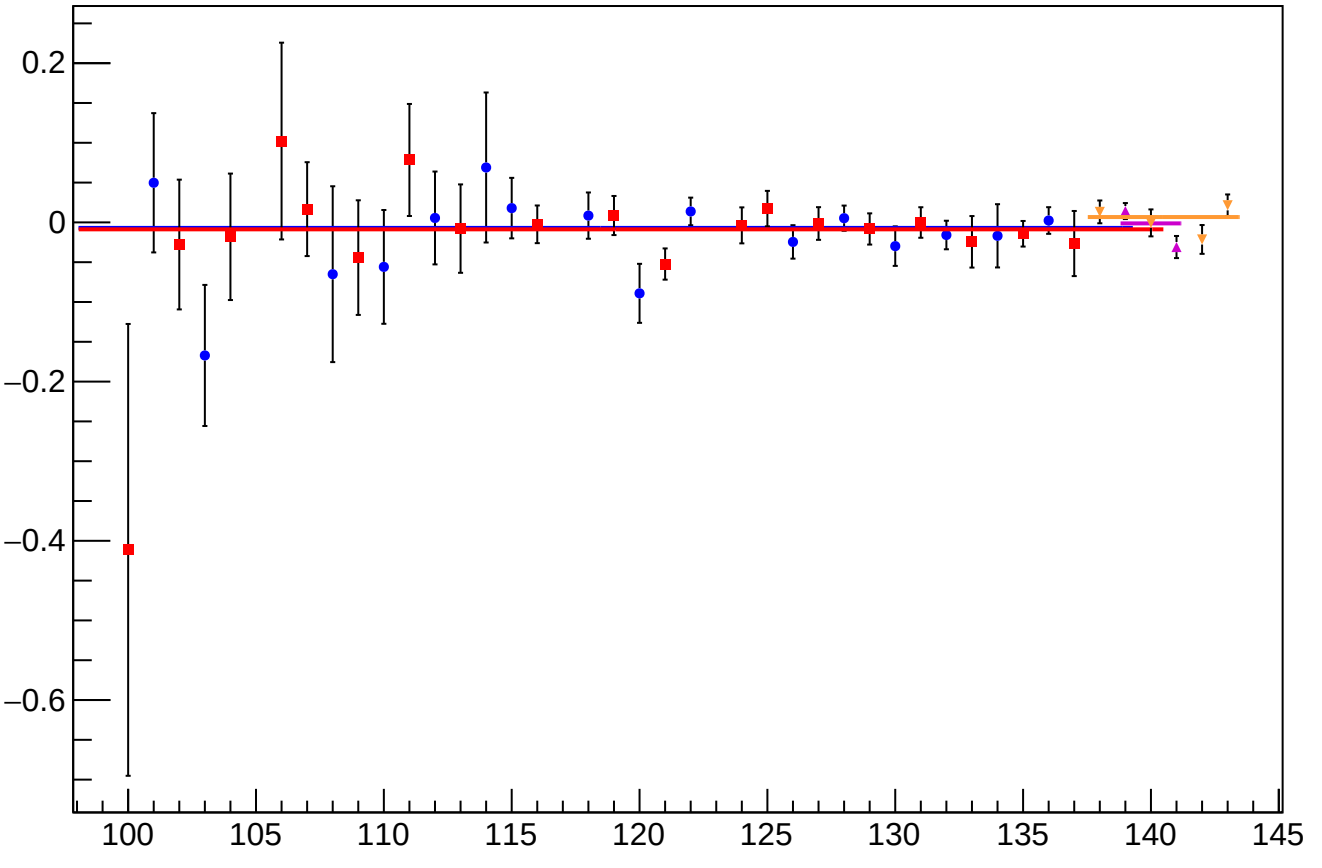
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:17.7/17

Out: -0.000+/-0.000 χ^2/NDF:20.3/22

All: -0.000+/-0.000 χ^2/NDF: 38.2/40


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:225740.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:360168.0/1
Left: 0.000+/-0.000 χ²/NDF: 618937.1/5
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:3566810.3/17
Out: 0.000+/-0.000 χ²/NDF:3910252.0/22
All: 0.000+/-0.000 χ²/NDF: 7523207.5/40



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

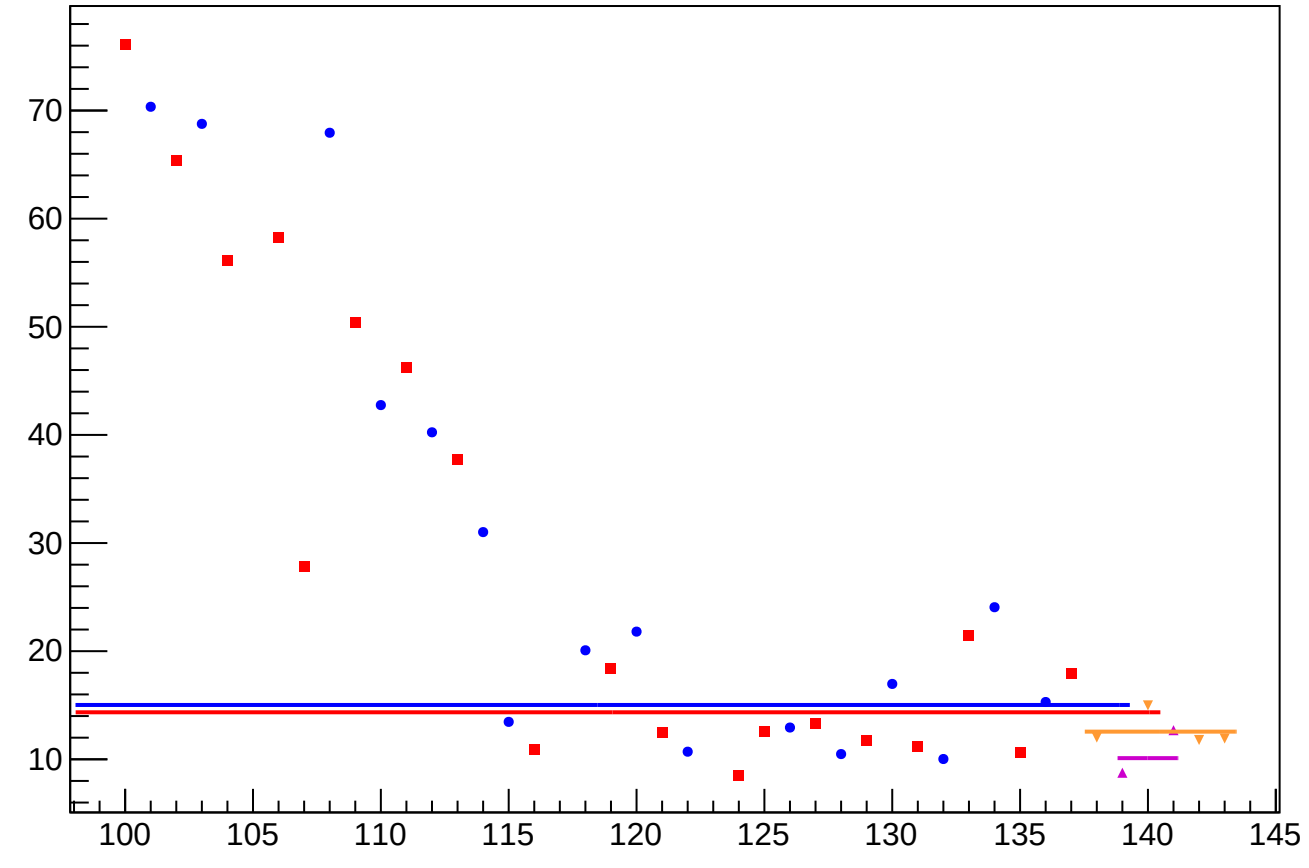
Left: 0.003+/-0.006 χ^2/NDF: 11.4/5

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.003+/-0.004 χ^2/NDF: 41.3/40



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.559+/-0.005 χ^2/NDF:52006.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105359.6/1

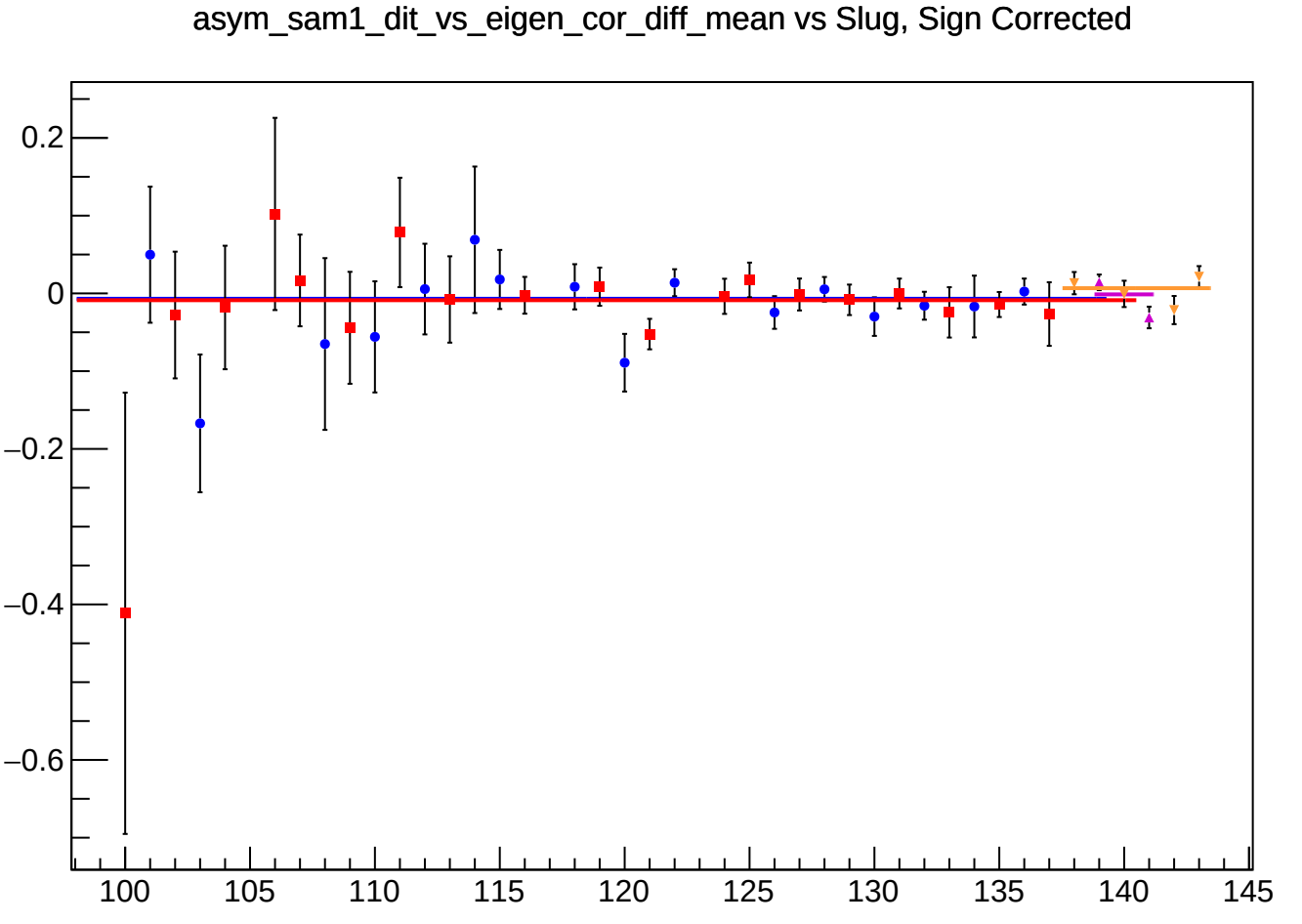
Left: 11.400+/-0.004 χ^2/NDF: 252992.2/5

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.027+/-0.004 χ^2/NDF:3977225.8/17

Out: 13.620+/-0.003 χ^2/NDF:3744902.1/22

All: 13.340+/-0.003 χ^2/NDF: 7735887.2/40



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

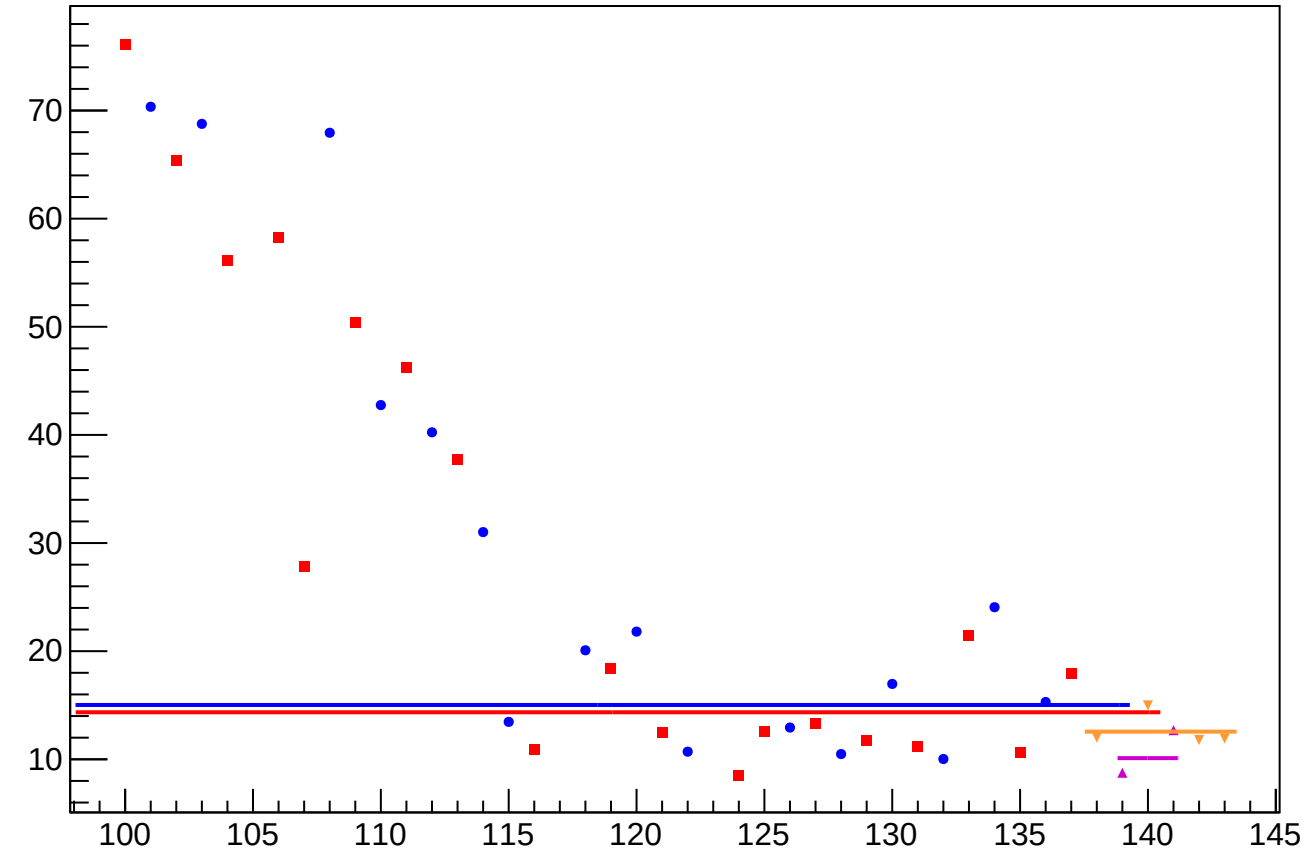
Left: 0.003+/-0.006 χ^2/NDF: 11.4/5

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.003+/-0.004 χ^2/NDF: 41.3/40



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 12.559+/-0.005 χ^2/NDF:52006.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105359.6/1

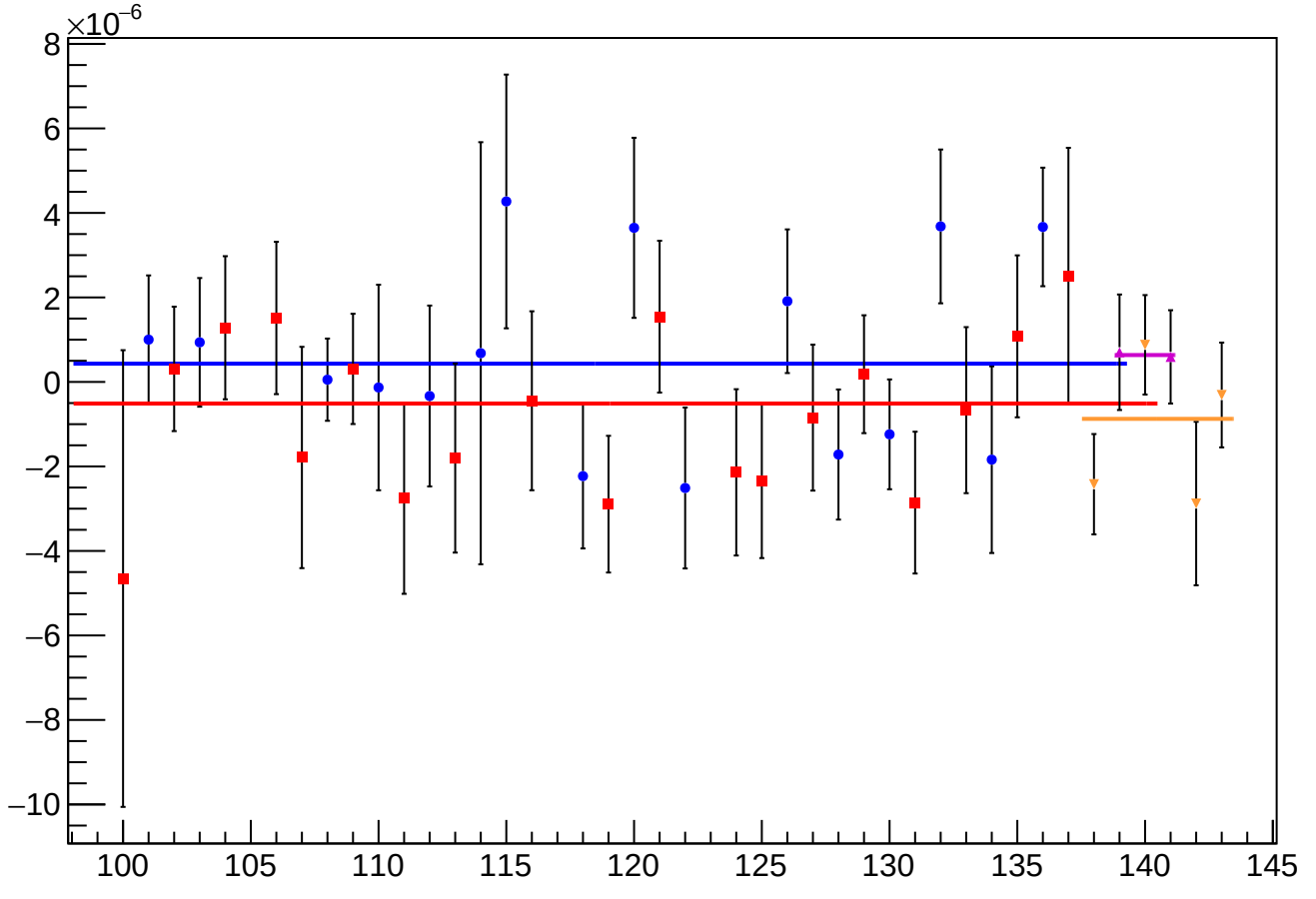
Left: 11.400+/-0.004 χ^2/NDF: 252992.2/5

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.027+/-0.004 χ^2/NDF:3977225.8/17

Out: 13.620+/-0.003 χ^2/NDF:3744902.1/22

All: 13.340+/-0.003 χ^2/NDF: 7735887.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

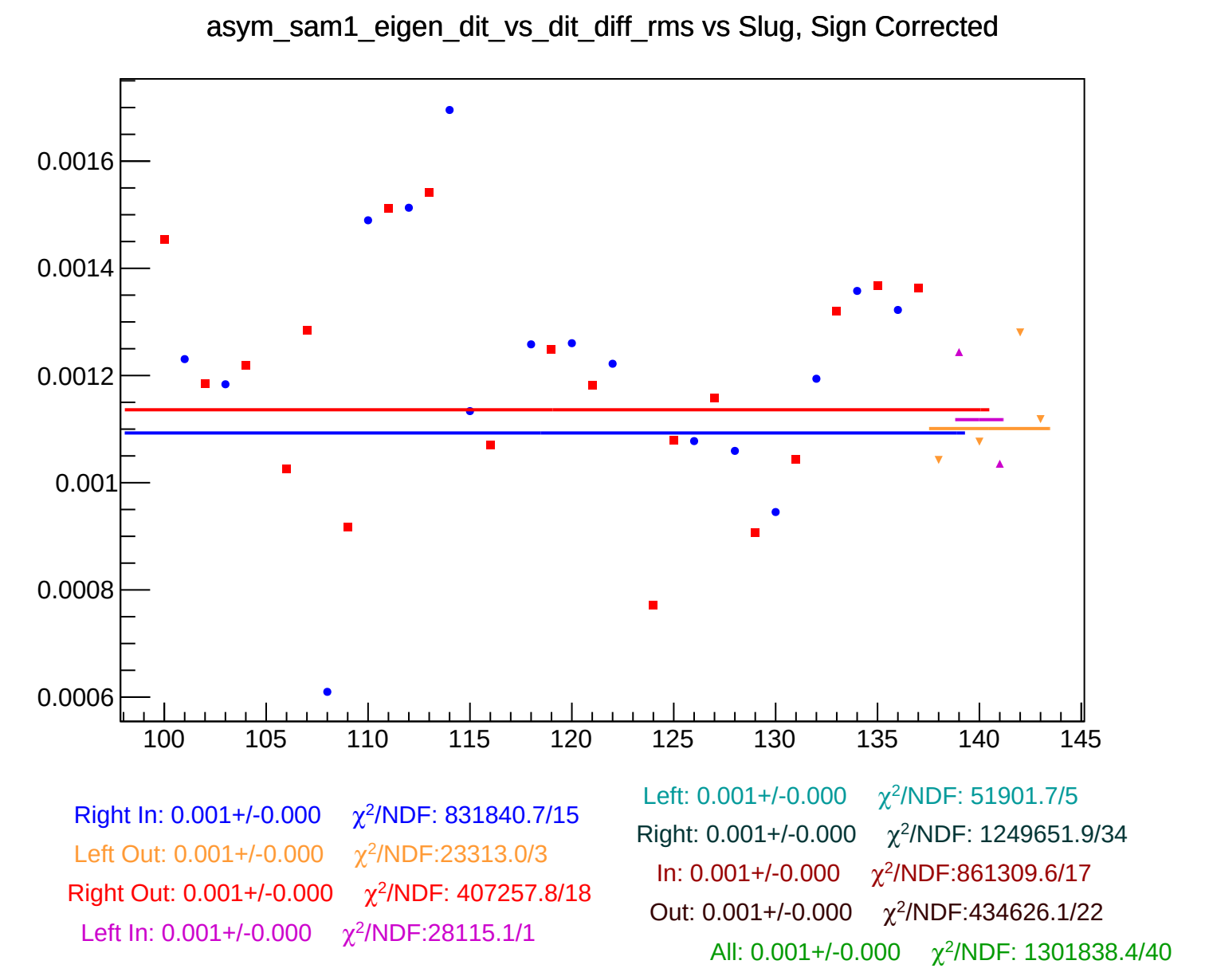
Left: -0.000+/-0.000 χ^2/NDF: 7.2/5

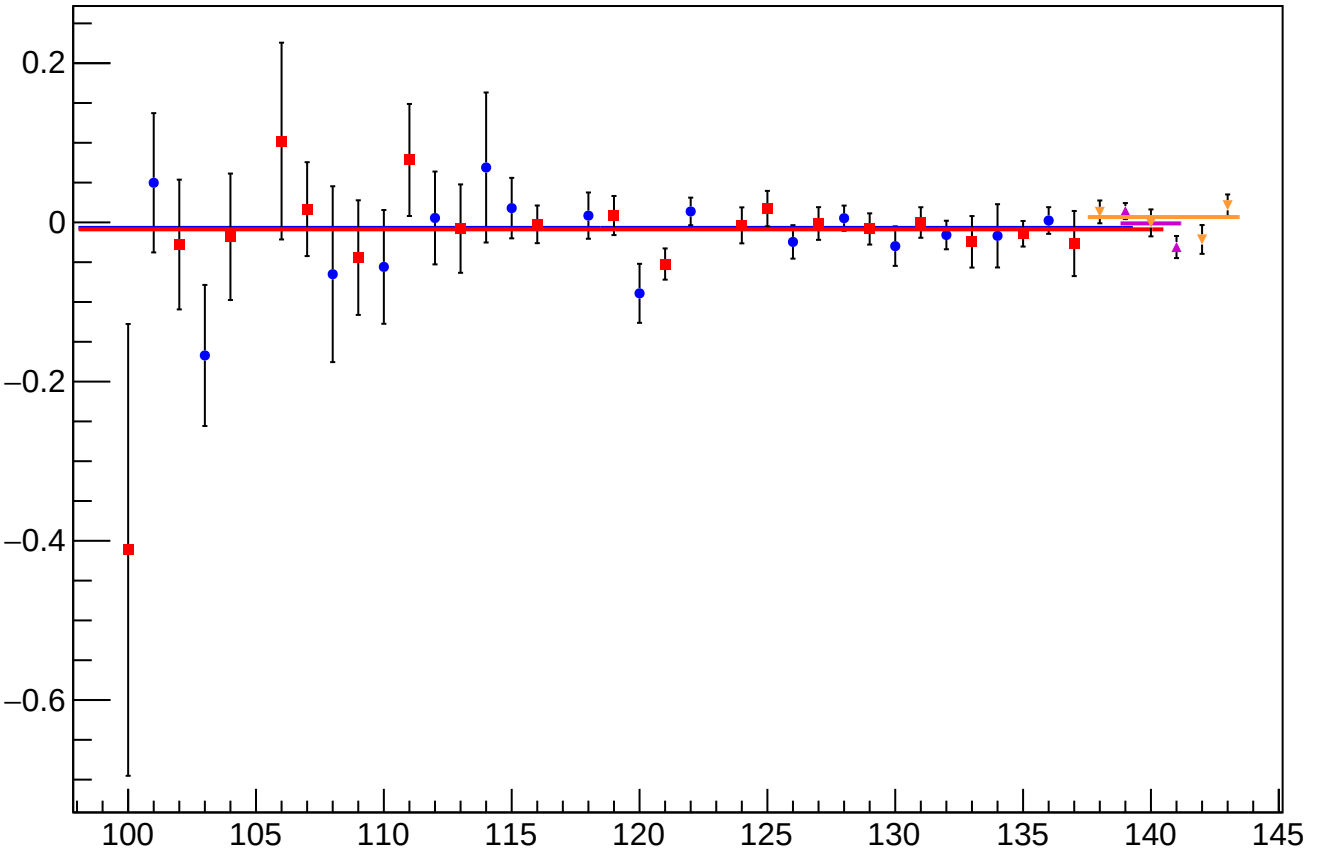
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.3/17

Out: -0.000+/-0.000 χ^2/NDF:19.7/22

All: -0.000+/-0.000 χ^2/NDF: 47.4/40


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
145
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:23313.0/3
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: 51901.7/5
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:434626.1/22
All: 0.001+/-0.000 χ²/NDF: 1301838.4/40



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.008 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.001+/-0.008 χ^2/NDF:6.9/1

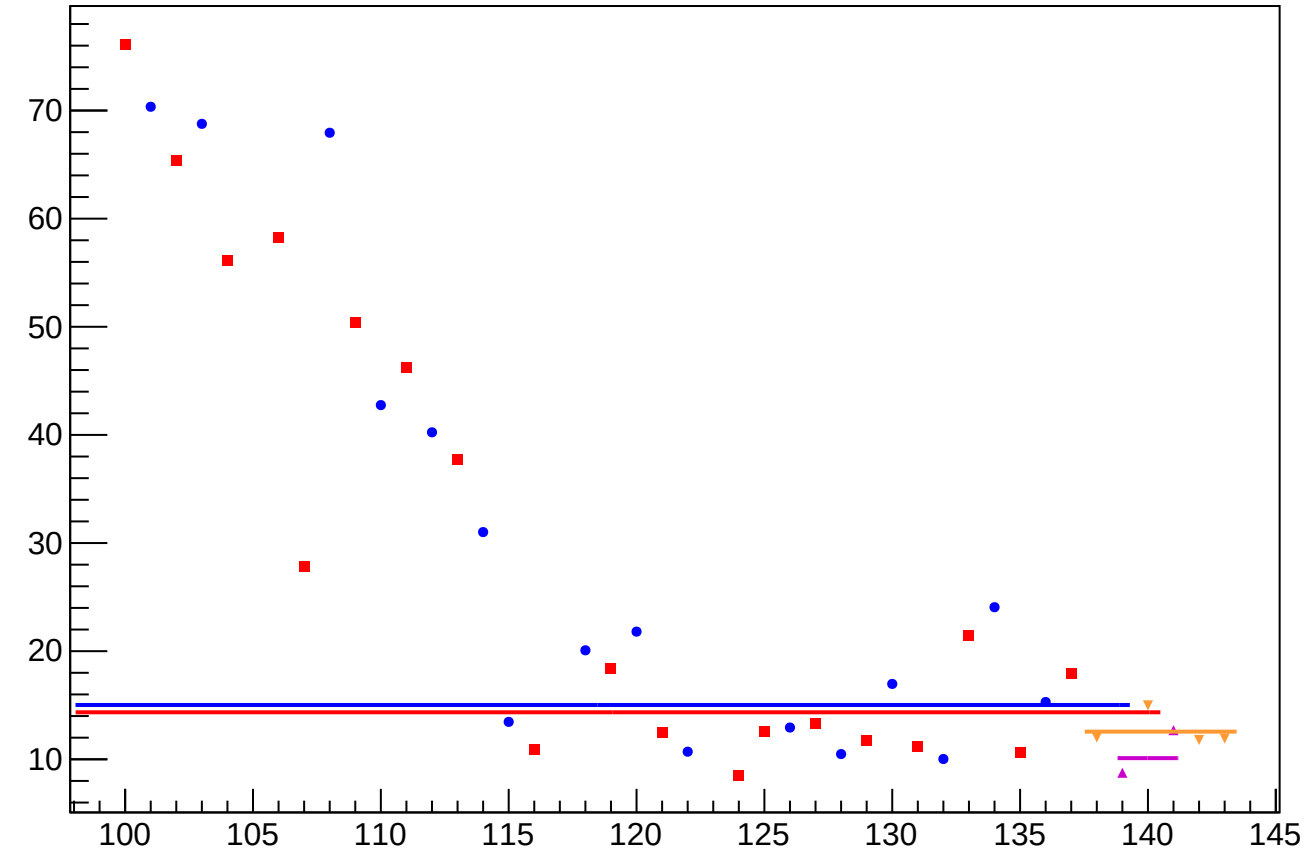
Left: 0.003+/-0.006 χ^2/NDF: 11.4/5

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.005 χ^2/NDF:22.2/17

Out: -0.002+/-0.005 χ^2/NDF:19.0/22

All: -0.003+/-0.004 χ^2/NDF: 41.3/40



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.559+/-0.005 χ^2/NDF:52008.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105368.1/1

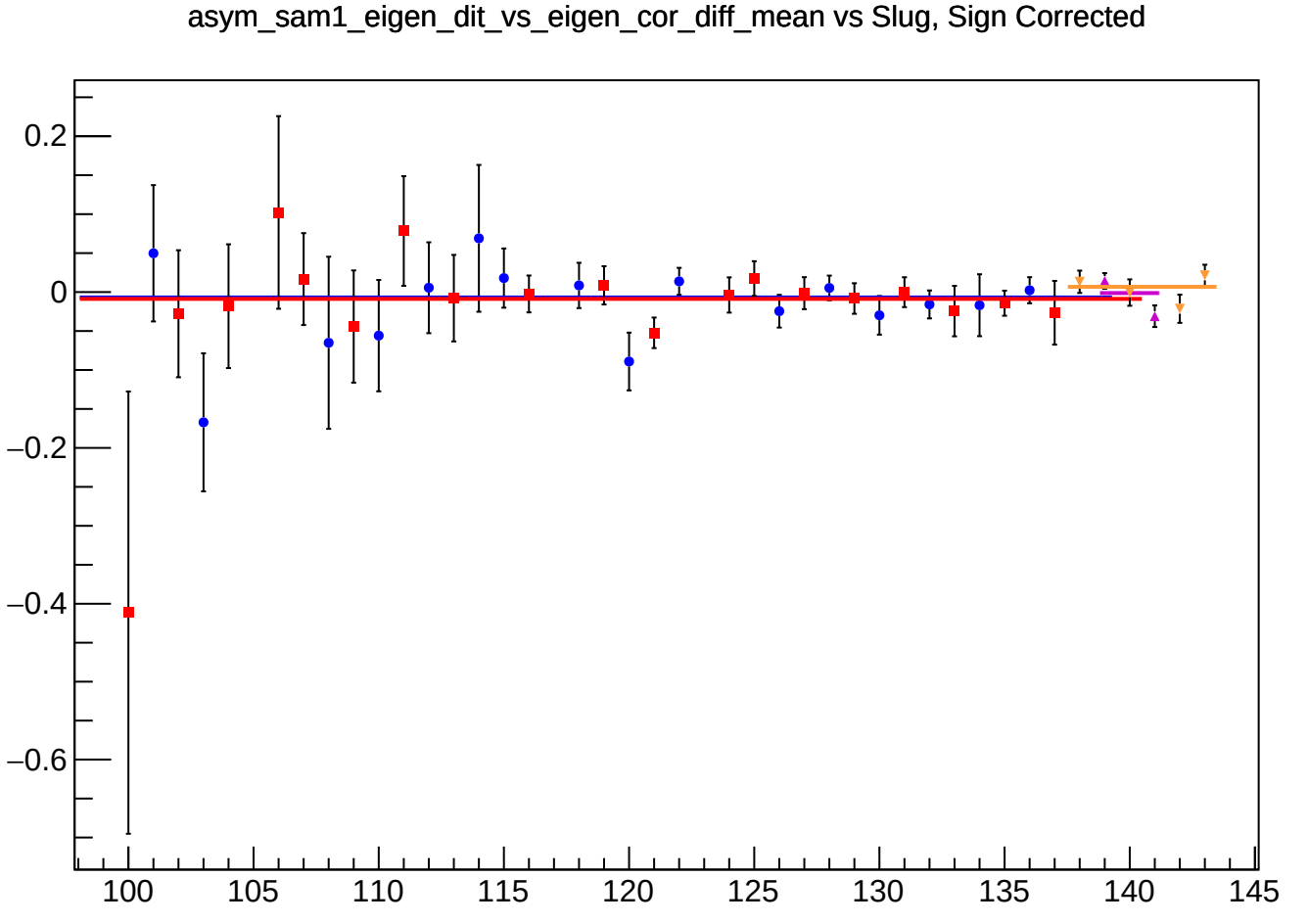
Left: 11.400+/-0.004 χ^2/NDF: 253010.6/5

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

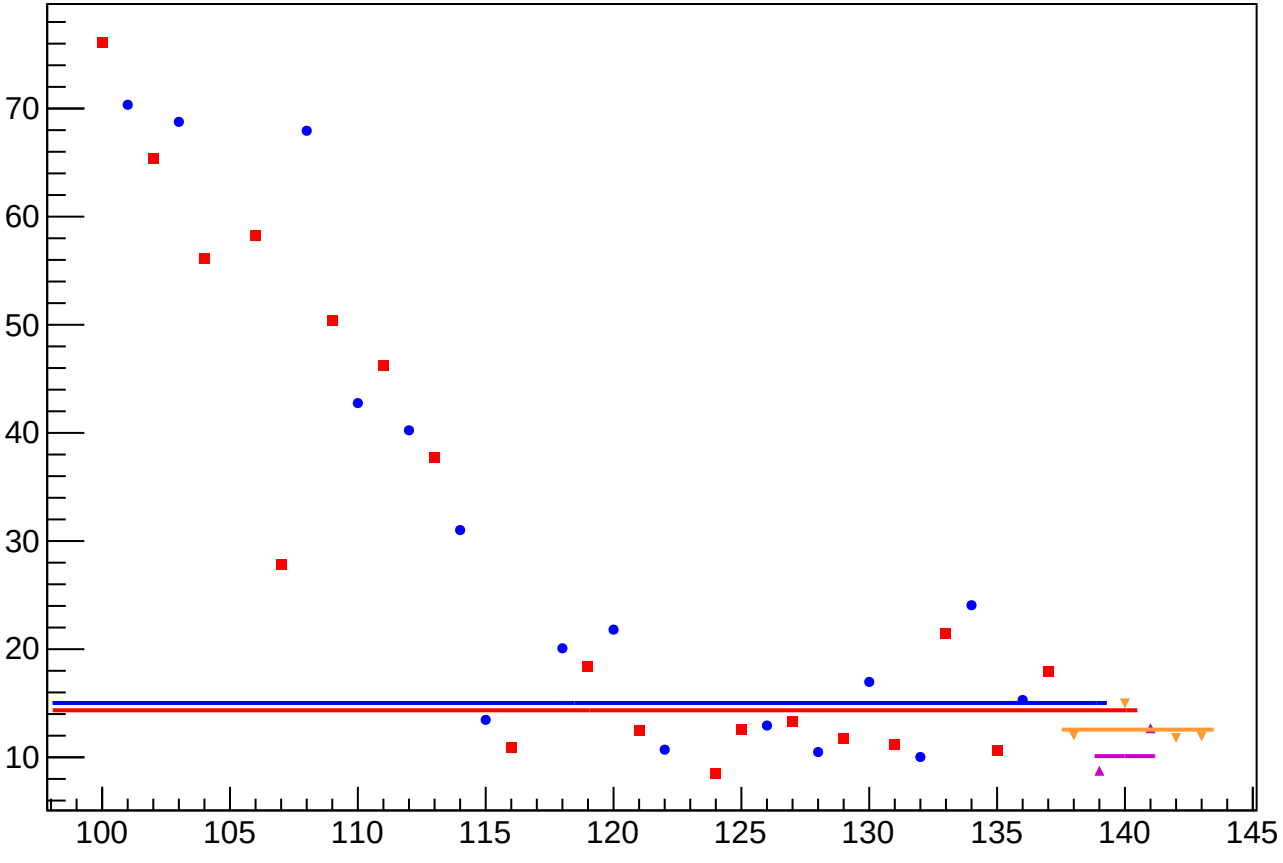
In: 13.027+/-0.004 χ^2/NDF:3977232.1/17

Out: 13.620+/-0.003 χ^2/NDF:3744882.8/22

All: 13.340+/-0.003 χ^2/NDF: 7735878.3/40


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
105
110
115
120
125
130
135
140
145
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.007+/-0.008 χ²/NDF:4.0/3
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.001+/-0.008 χ²/NDF:6.9/1
Left: 0.003+/-0.006 χ²/NDF: 11.4/5
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.005+/-0.005 χ²/NDF:22.2/17
Out: -0.002+/-0.005 χ²/NDF:19.0/22
All: -0.003+/-0.004 χ²/NDF: 41.3/40

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: 12.559+/-0.005 χ^2/NDF:52008.3/3

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 10.108+/-0.006 χ^2/NDF:105368.1/1

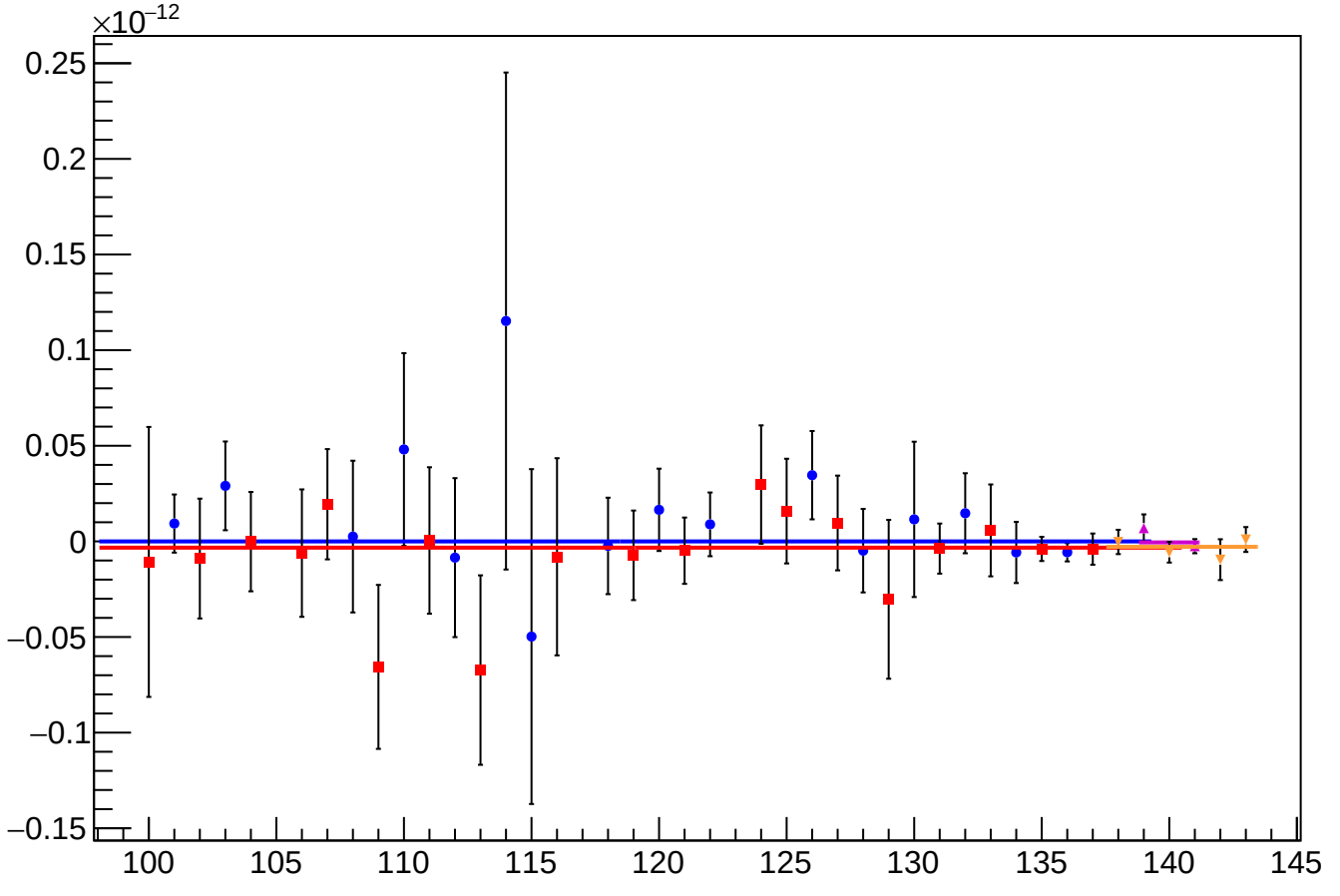
Left: 11.400+/-0.004 χ^2/NDF: 253010.6/5

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.027+/-0.004 χ^2/NDF:3977232.1/17

Out: 13.620+/-0.003 χ^2/NDF:3744882.8/22

All: 13.340+/-0.003 χ^2/NDF: 7735878.3/40



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/1

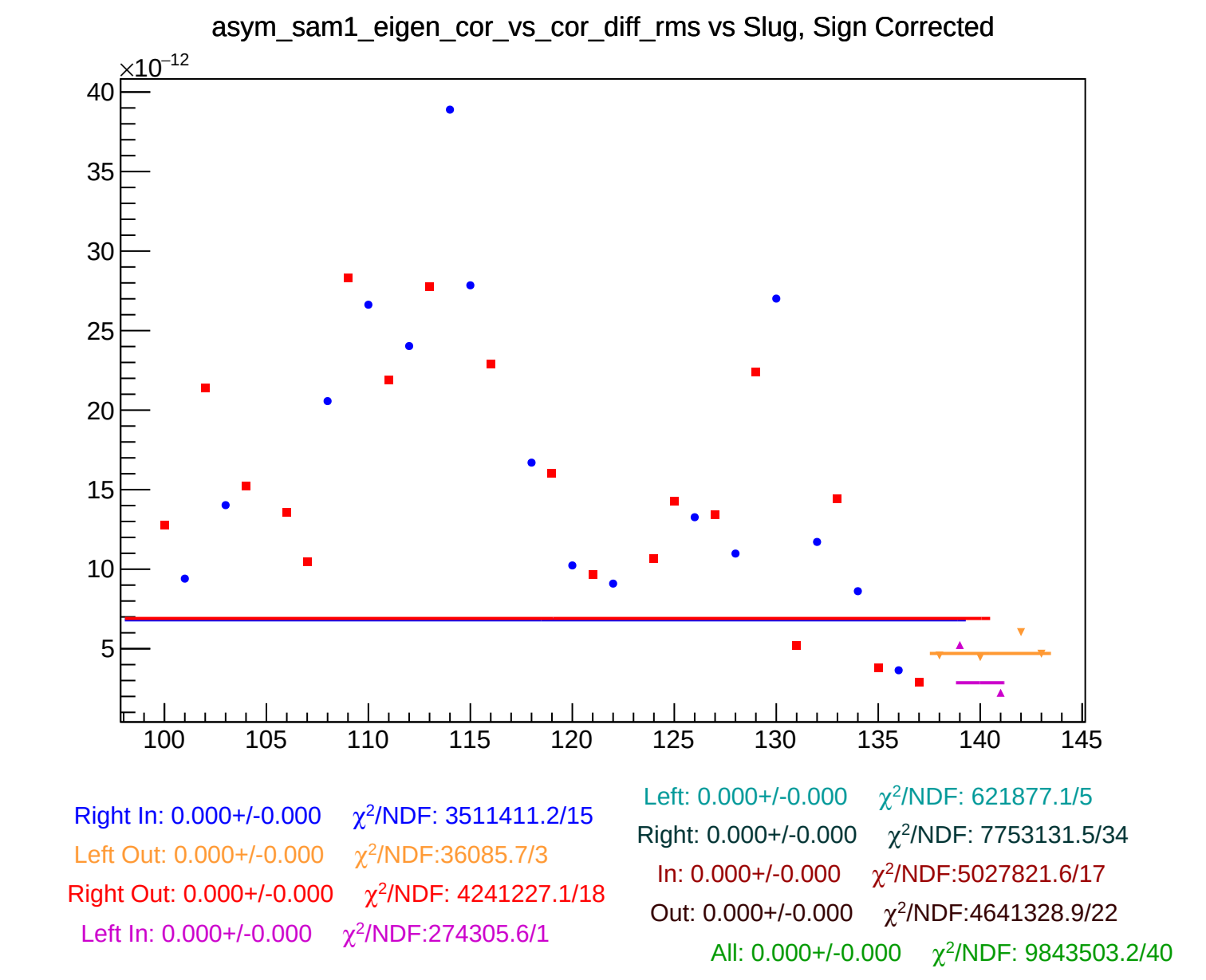
Left: -0.000+/-0.000 χ^2/NDF: 2.8/5

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

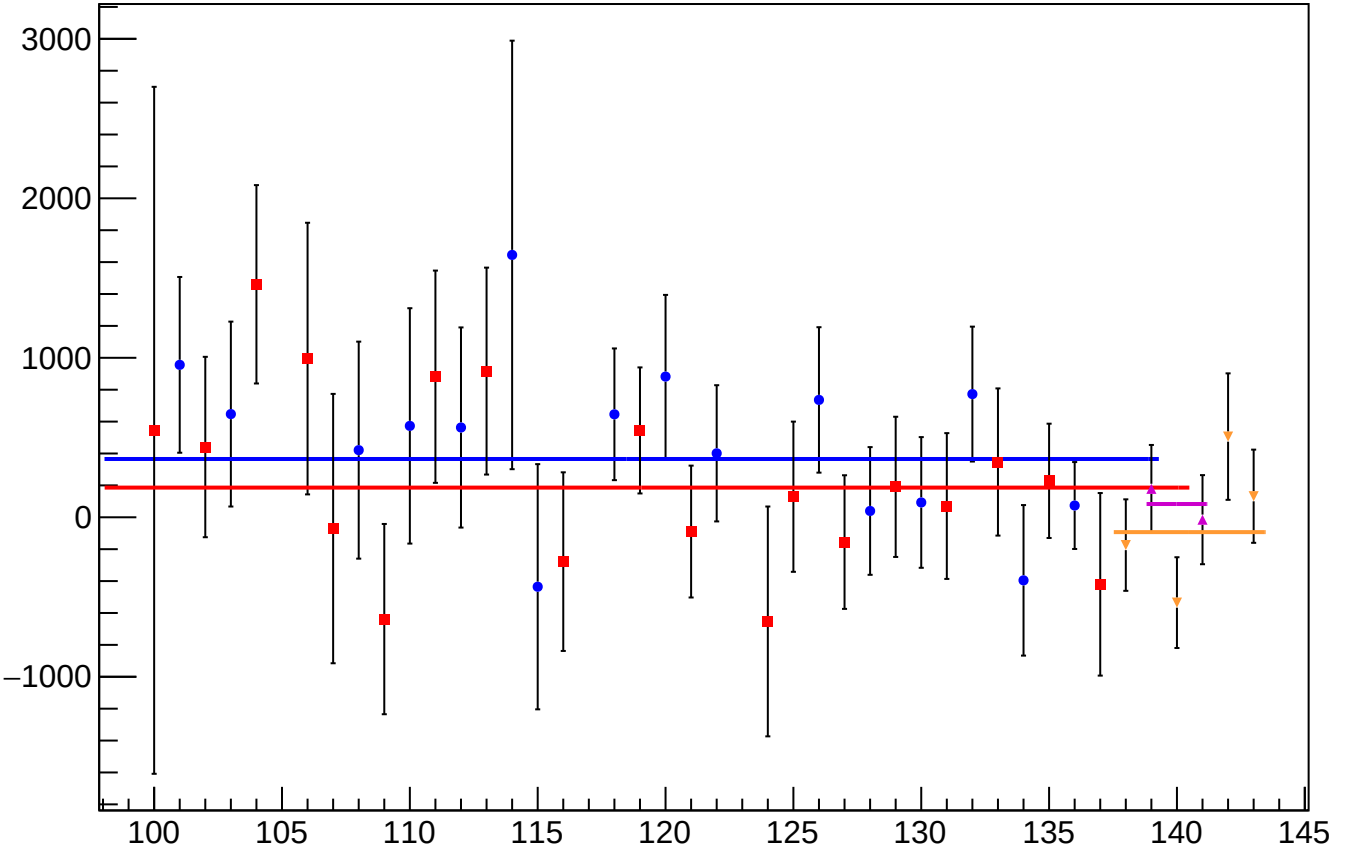
In: -0.000+/-0.000 χ^2/NDF:10.7/17

Out: -0.000+/-0.000 χ^2/NDF:8.2/22

All: -0.000+/-0.000 χ^2/NDF: 19.4/40


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:36085.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:274305.6/1
Left: 0.000+/-0.000 χ²/NDF: 621877.1/5
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5027821.6/17
Out: 0.000+/-0.000 χ²/NDF:4641328.9/22
All: 0.000+/-0.000 χ²/NDF: 9843503.2/40

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

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: -26.112+/-120.726 χ^2/NDF: 6.1/5

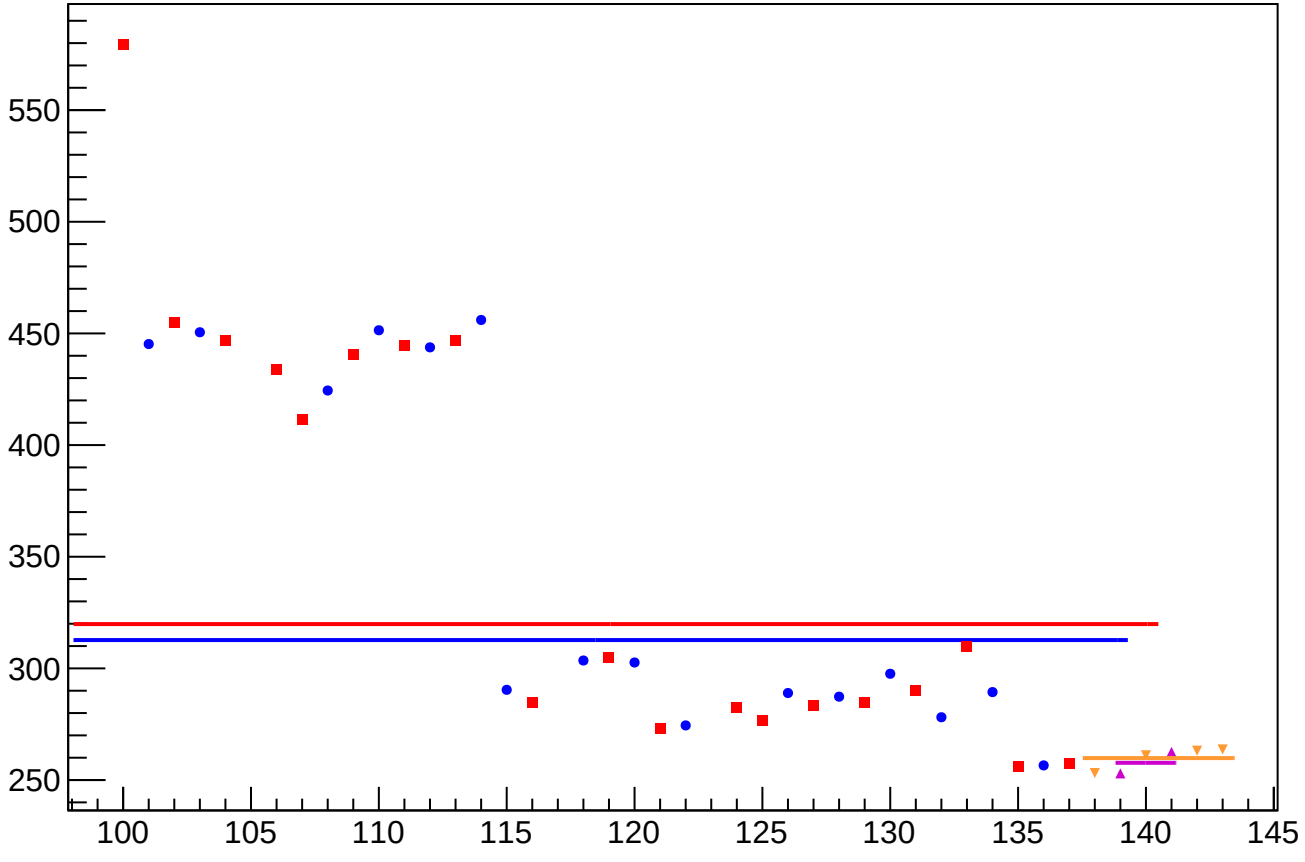
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 289.621+/-101.638 χ^2/NDF:13.2/17

Out: 79.844+/-94.574 χ^2/NDF:22.4/22

All: 177.189+/-69.237 χ^2/NDF: 38.0/40

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

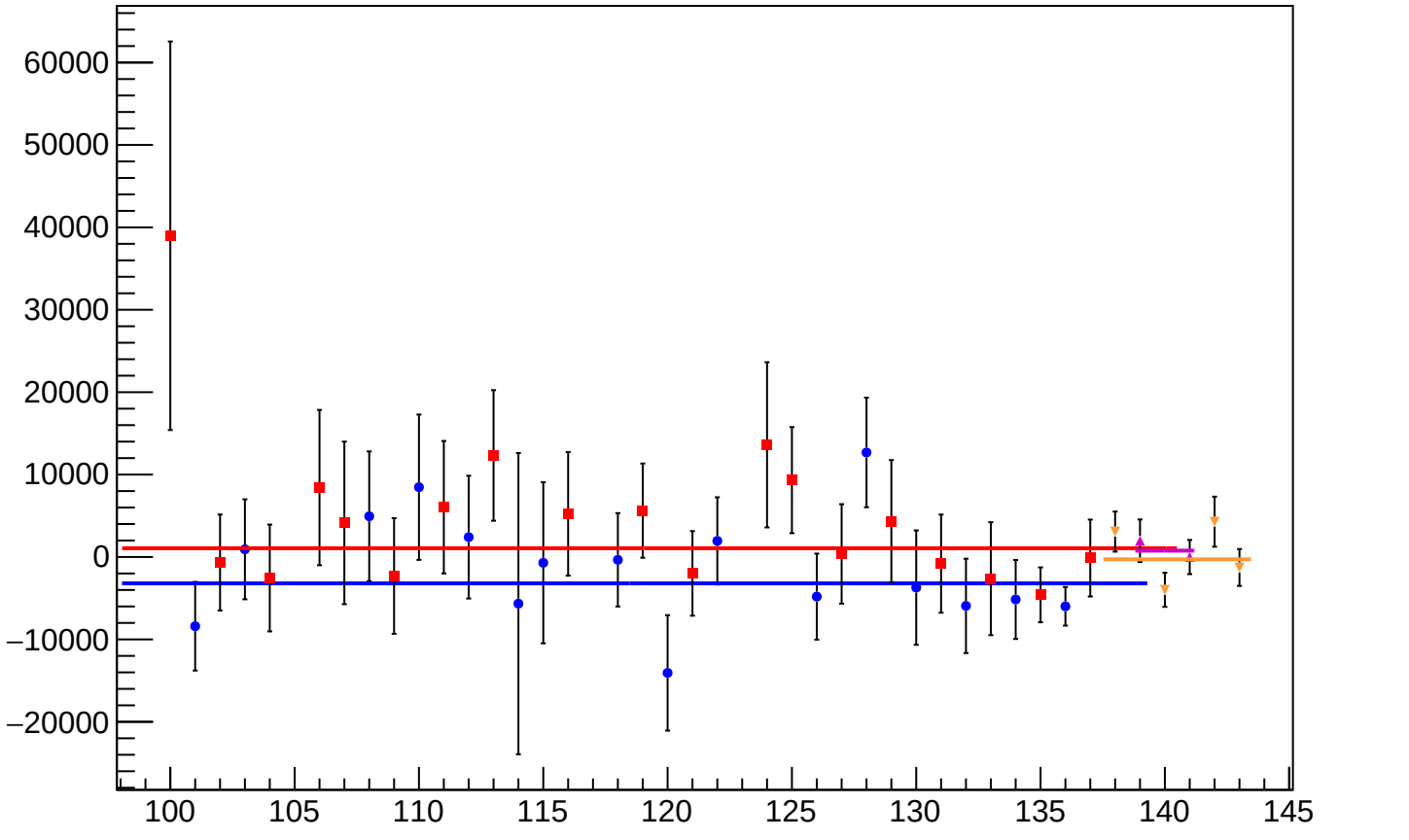
Left: 259.033+/-0.085 χ^2/NDF: 2967.2/5

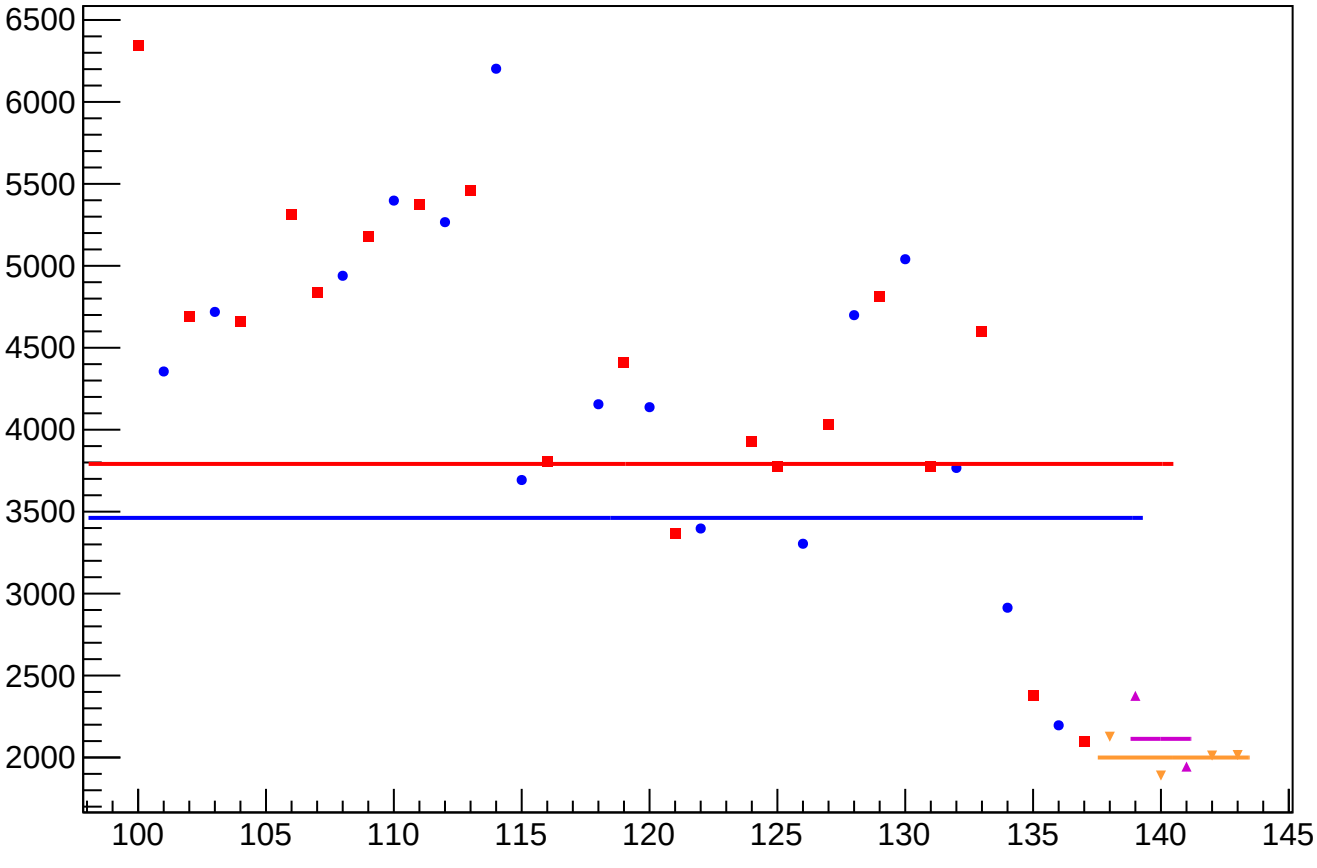
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 297.900+/-0.072 χ^2/NDF:718415.4/17

Out: 296.991+/-0.067 χ^2/NDF:889325.5/22

All: 297.413+/-0.049 χ^2/NDF: 1607826.5/40


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -281.573+/-1185.313 χ²/NDF:7.6/3
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: 770.881+/-1617.166 χ²/NDF:0.4/1
Left: 86.235+/-956.014 χ²/NDF: 8.2/5
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -1563.062+/-1038.076 χ²/NDF:20.0/17
Out: 261.180+/-916.008 χ²/NDF:22.5/22
All: -537.427+/-686.838 χ²/NDF: 44.2/40



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11245.6/3

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: 2039.552+/-0.676 χ^2/NDF: 51675.7/5

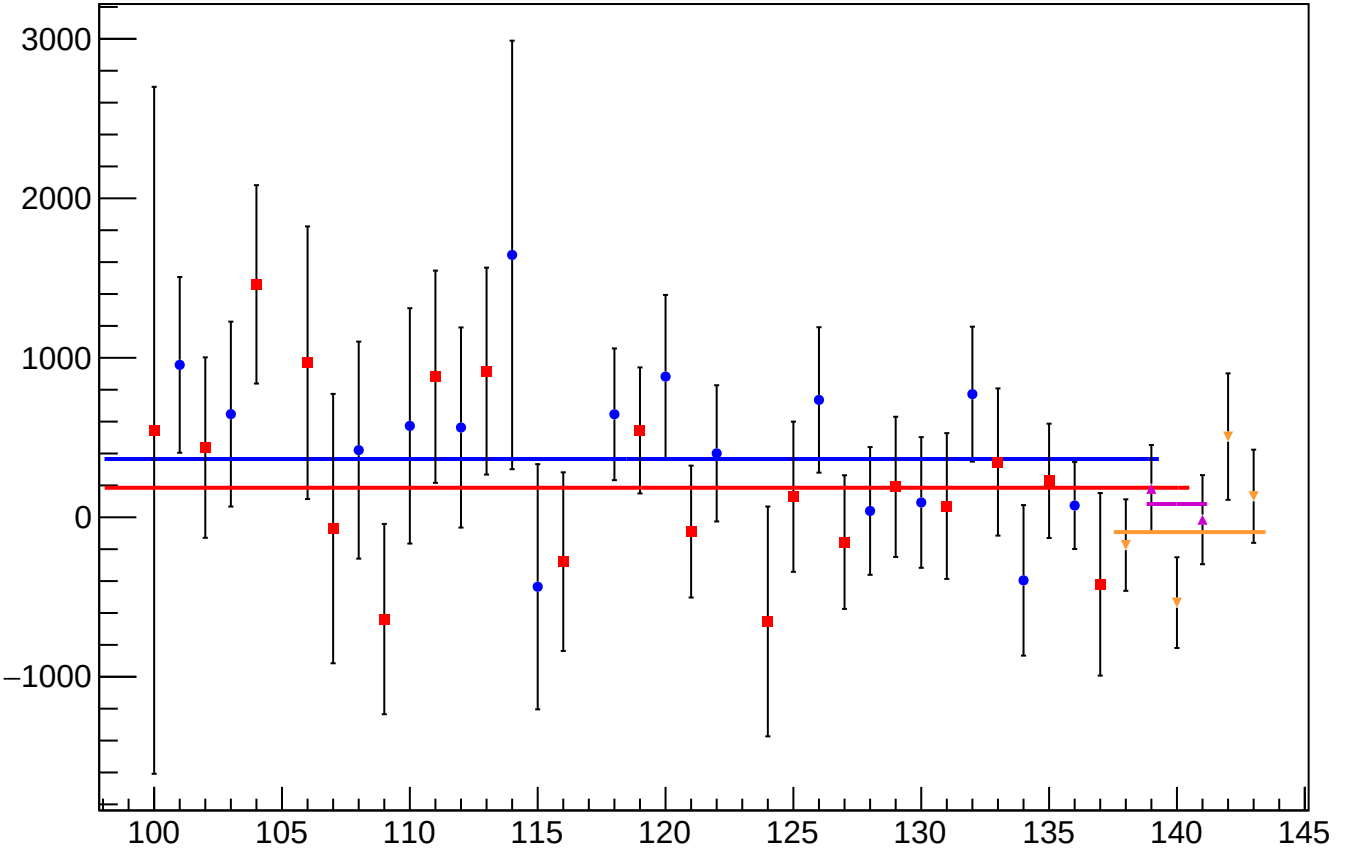
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2906.388+/-0.734 χ^2/NDF:2160869.9/17

Out: 2721.300+/-0.648 χ^2/NDF:3007182.5/22

All: 2802.327+/-0.486 χ^2/NDF: 5203799.3/40

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

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: -26.102+/-120.726 χ^2/NDF: 6.1/5

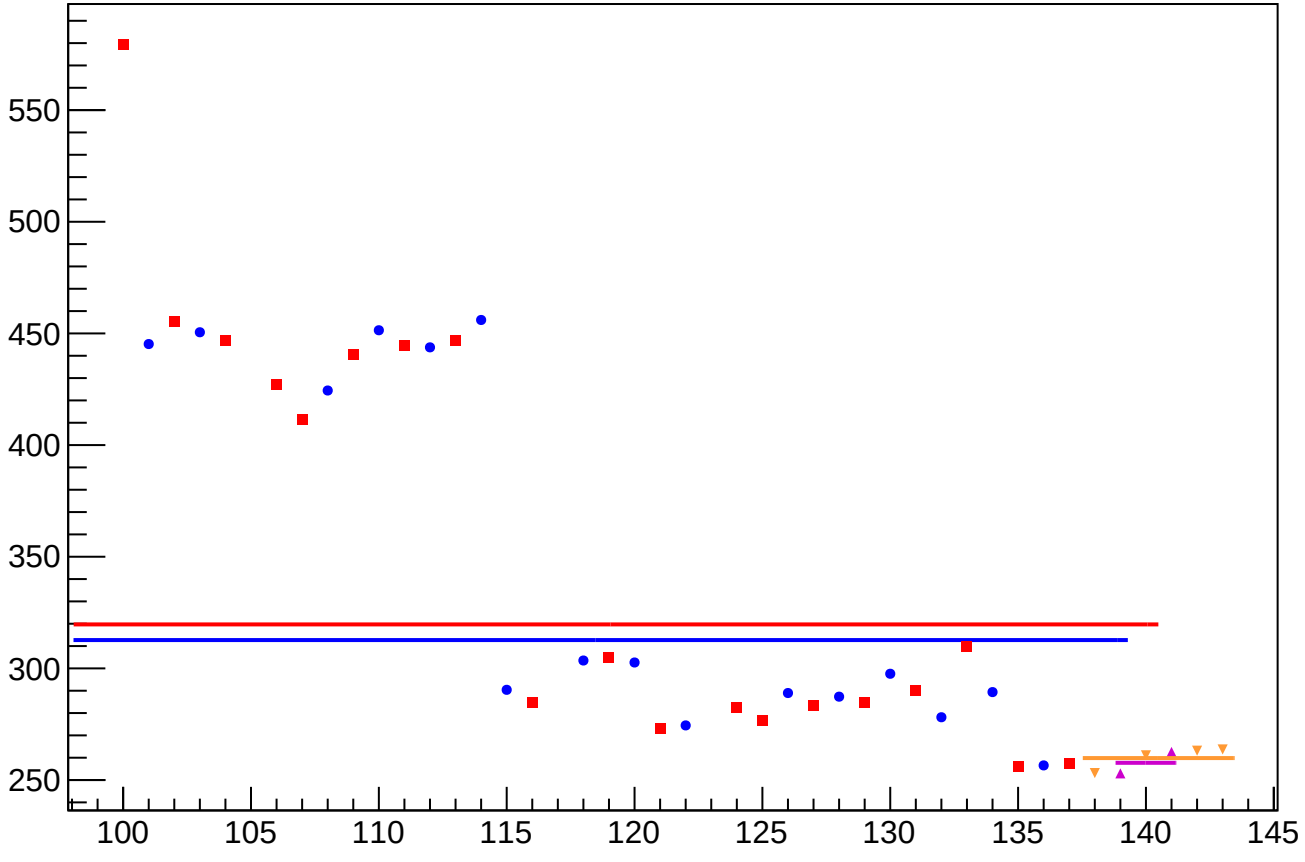
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 289.616+/-101.638 χ^2/NDF:13.2/17

Out: 79.330+/-94.579 χ^2/NDF:22.3/22

All: 176.918+/-69.239 χ^2/NDF: 37.9/40

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

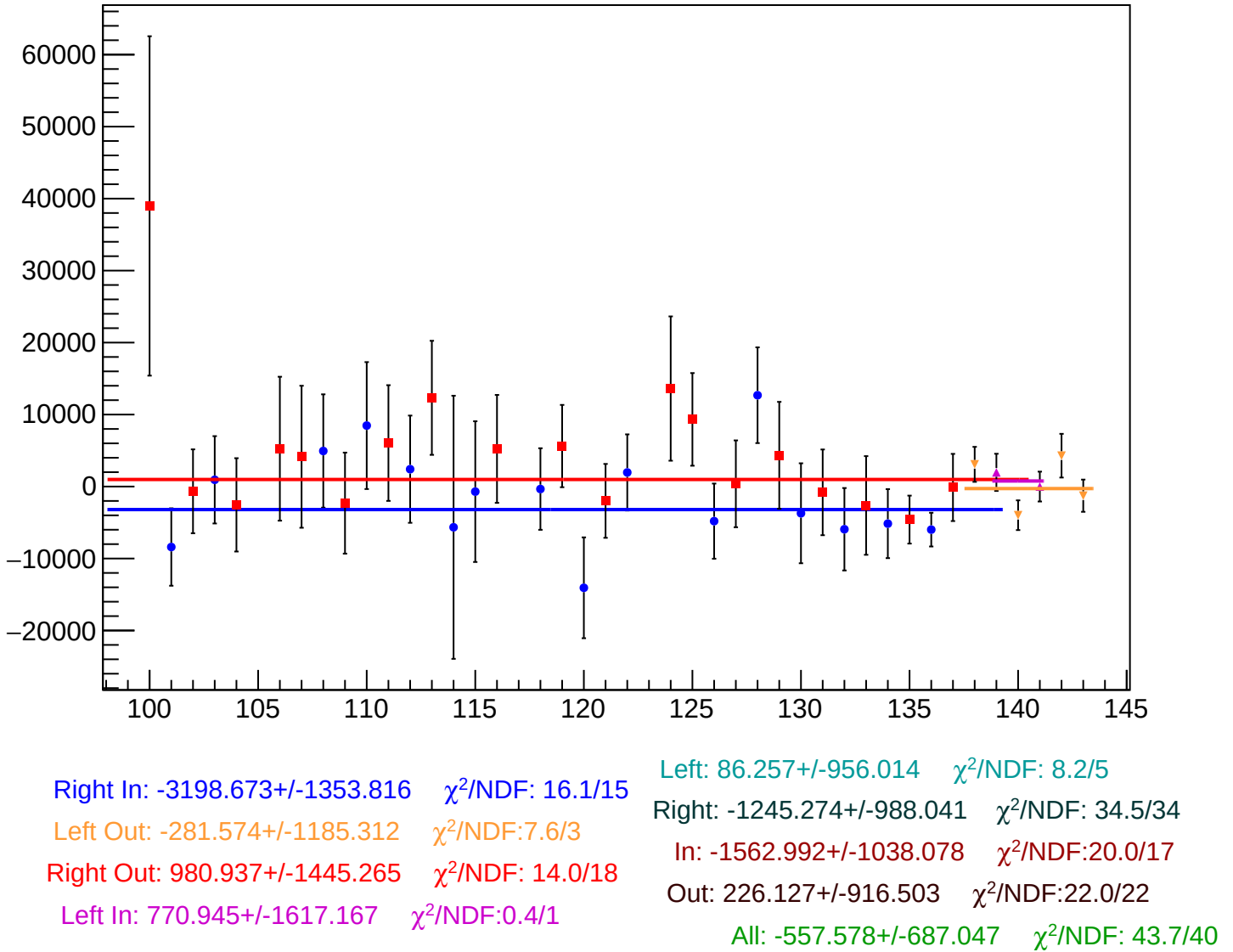
Left: 259.033+/-0.085 χ^2/NDF: 2967.2/5

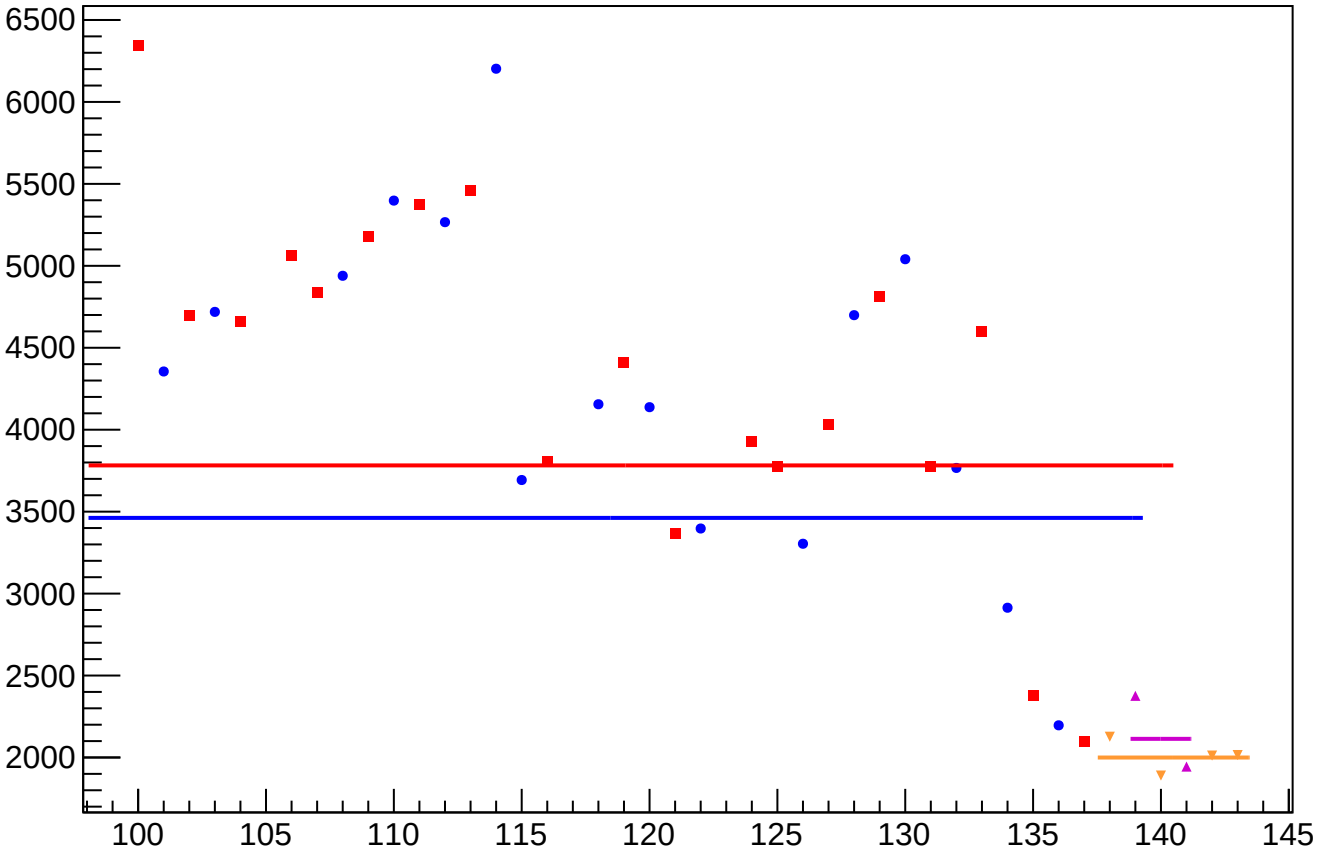
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 297.900+/-0.072 χ^2/NDF:718416.9/17

Out: 296.897+/-0.067 χ^2/NDF:884212.1/22

All: 297.362+/-0.049 χ^2/NDF: 1602733.3/40


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -281.574+/-1185.312 χ²/NDF:7.6/3
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 770.945+/-1617.167 χ²/NDF:0.4/1
Left: 86.257+/-956.014 χ²/NDF: 8.2/5
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1562.992+/-1038.078 χ²/NDF:20.0/17
Out: 226.127+/-916.503 χ²/NDF:22.0/22
All: -557.578+/-687.047 χ²/NDF: 43.7/40



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11246.0/3

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2113.693+/-1.144 χ^2/NDF:33968.1/1

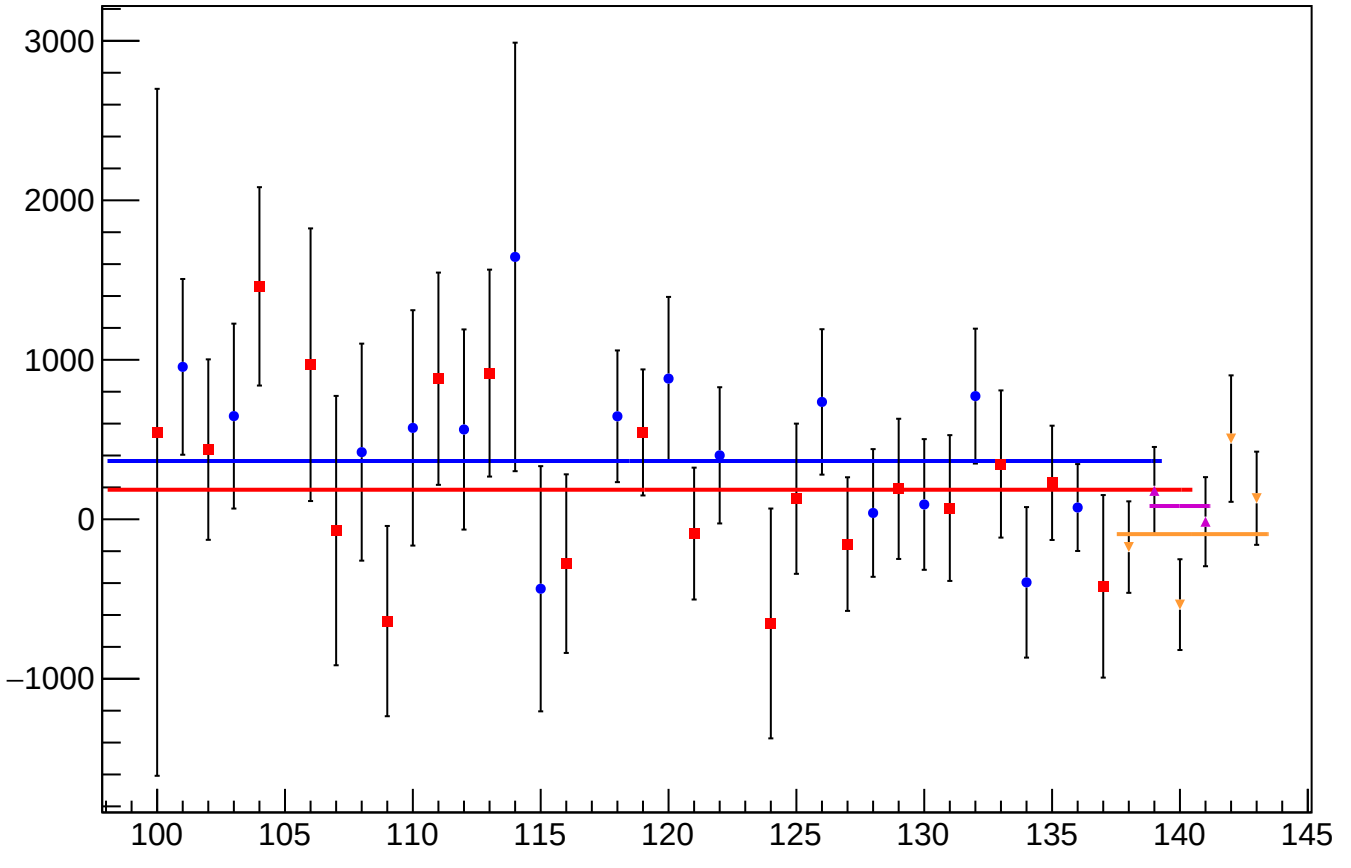
Left: 2039.552+/-0.676 χ^2/NDF: 51676.1/5

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2906.390+/-0.734 χ^2/NDF:2160888.5/17

Out: 2716.511+/-0.648 χ^2/NDF:2966343.8/22

All: 2799.686+/-0.486 χ^2/NDF: 5164835.6/40



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -92.992+/-153.255 χ^2/NDF:5.4/3

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: 83.287+/-195.985 χ^2/NDF:0.2/1

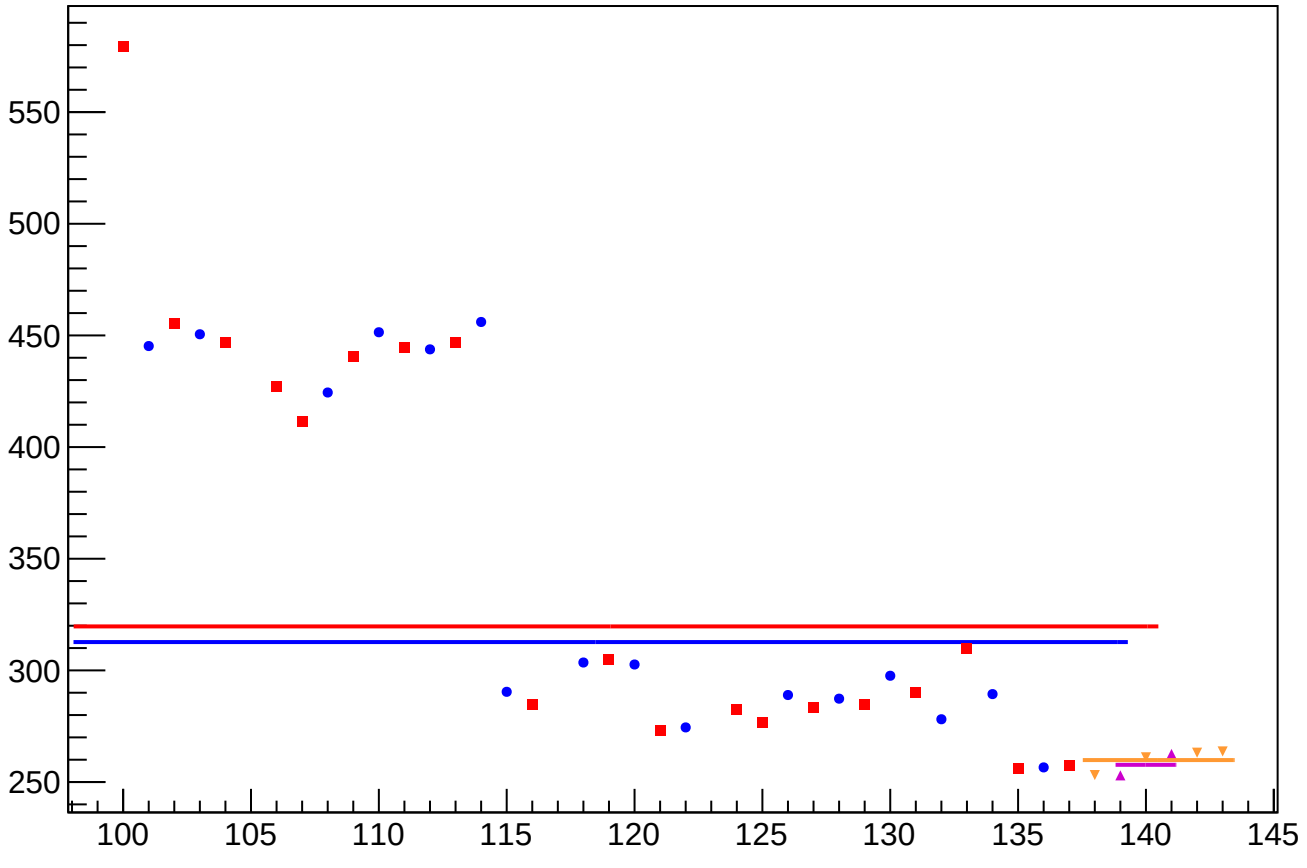
Left: -26.102+/-120.726 χ^2/NDF: 6.1/5

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 289.616+/-101.638 χ^2/NDF:13.2/17

Out: 79.330+/-94.579 χ^2/NDF:22.3/22

All: 176.918+/-69.239 χ^2/NDF: 37.9/40



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.839+/-0.108 χ^2/NDF:1623.0/3

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 257.716+/-0.139 χ^2/NDF:1198.6/1

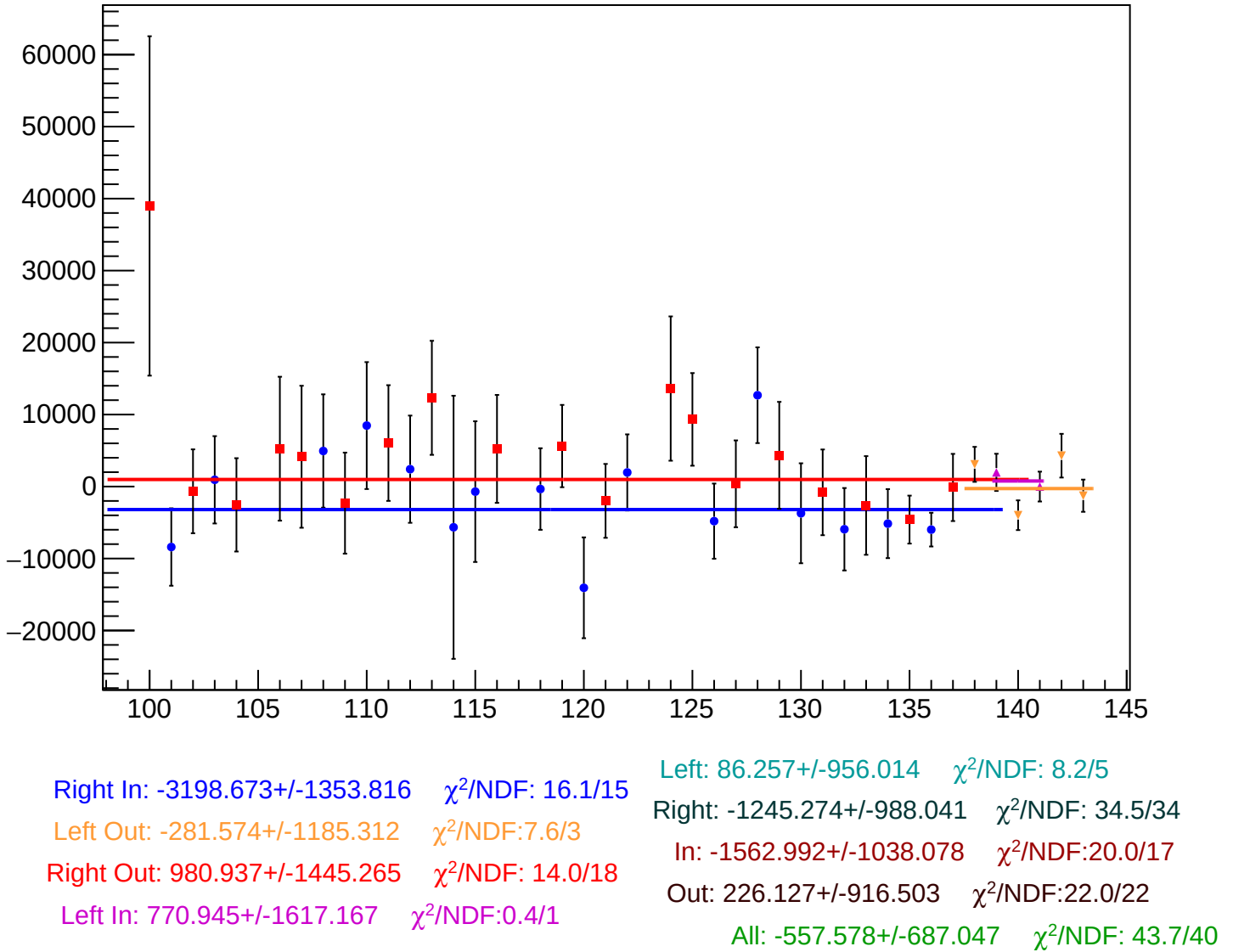
Left: 259.033+/-0.085 χ^2/NDF: 2967.2/5

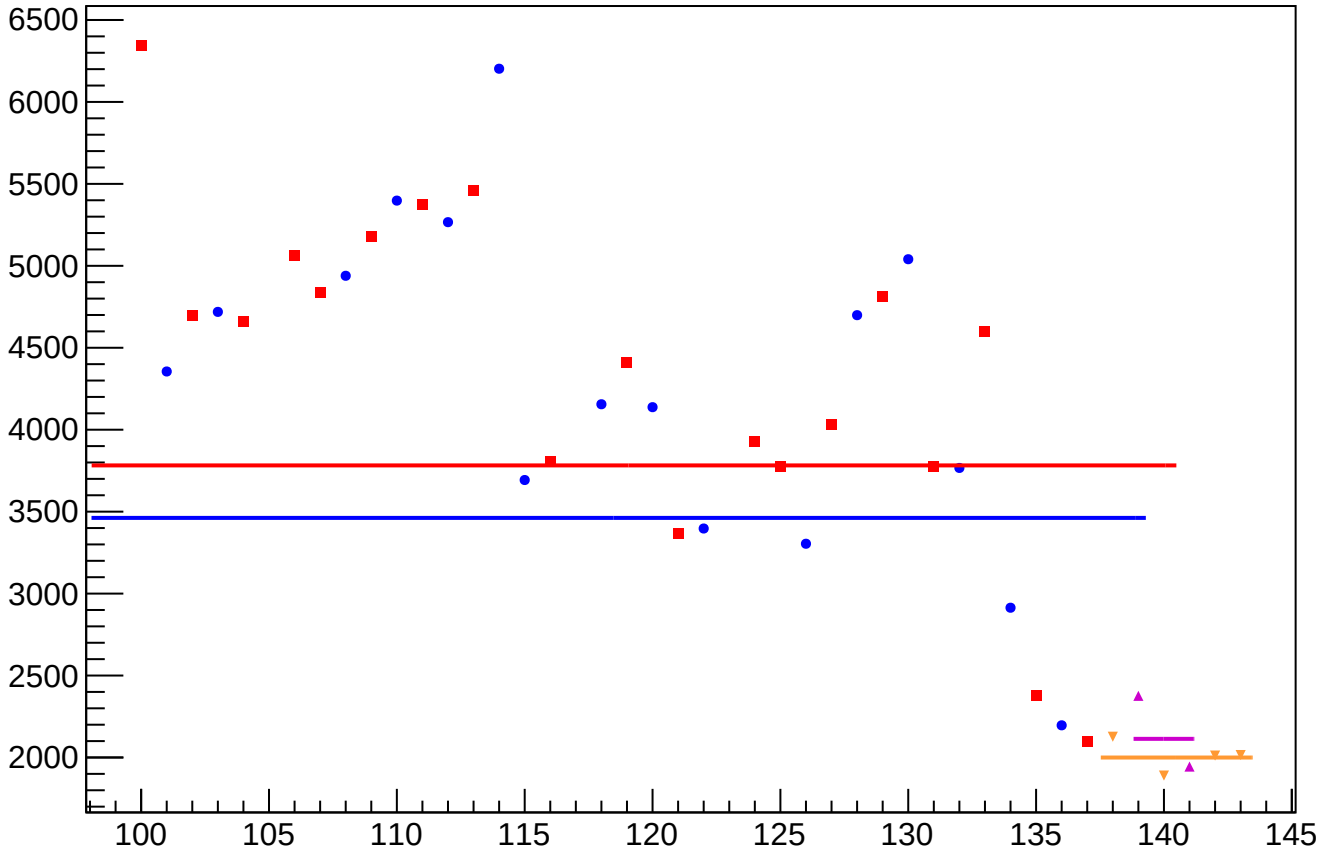
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 297.900+/-0.072 χ^2/NDF:718416.9/17

Out: 296.897+/-0.067 χ^2/NDF:884212.1/22

All: 297.362+/-0.049 χ^2/NDF: 1602733.3/40


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
105
110
115
120
125
130
135
140
145
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -281.574+/-1185.312 χ²/NDF:7.6/3
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 770.945+/-1617.167 χ²/NDF:0.4/1
Left: 86.257+/-956.014 χ²/NDF: 8.2/5
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1562.992+/-1038.078 χ²/NDF:20.0/17
Out: 226.127+/-916.503 χ²/NDF:22.0/22
All: -557.578+/-687.047 χ²/NDF: 43.7/40



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1999.722+/-0.838 χ^2/NDF:11246.0/3

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: 2039.552+/-0.676 χ^2/NDF: 51676.1/5

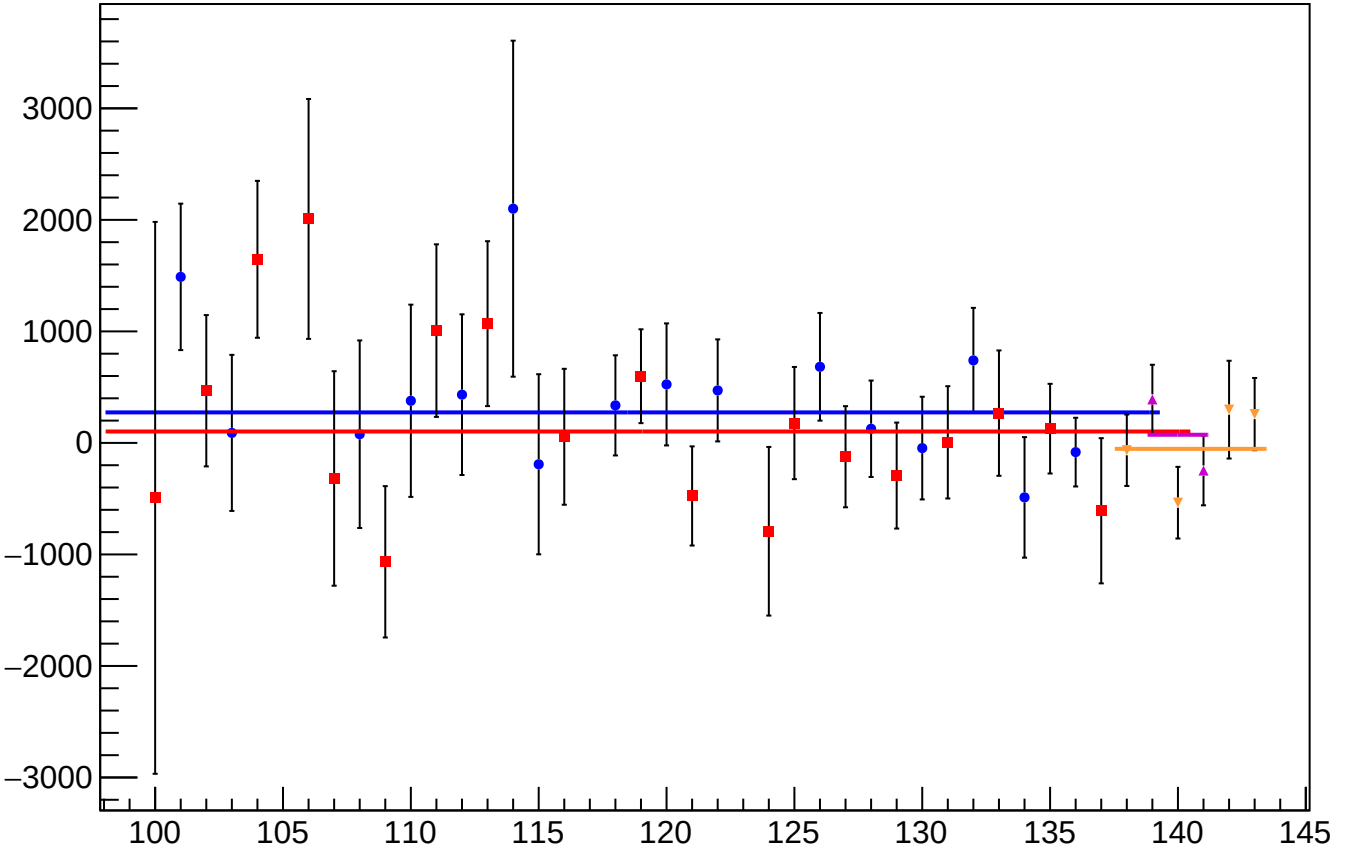
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2906.390+/-0.734 χ^2/NDF:2160888.5/17

Out: 2716.511+/-0.648 χ^2/NDF:2966343.8/22

All: 2799.686+/-0.486 χ^2/NDF: 5164835.6/40

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -53.258+/-171.099 χ^2/NDF:3.8/3

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: -5.630+/-135.059 χ^2/NDF: 6.1/5

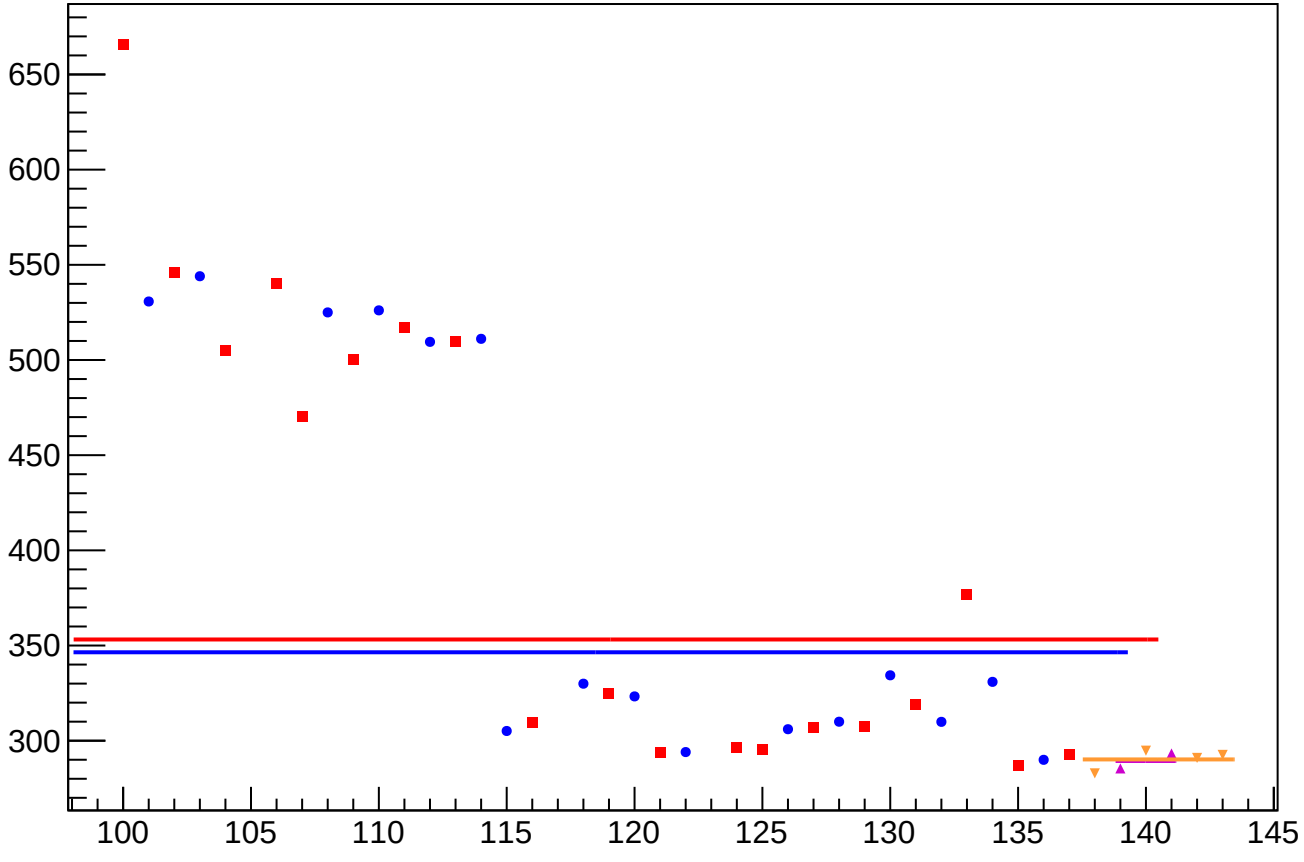
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 220.190+/-113.526 χ^2/NDF:14.2/17

Out: 43.420+/-105.304 χ^2/NDF:25.6/22

All: 125.173+/-77.204 χ^2/NDF: 41.1/40

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.167+/-0.121 χ^2/NDF:1568.4/3

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.350+/-0.156 χ^2/NDF:637.6/1

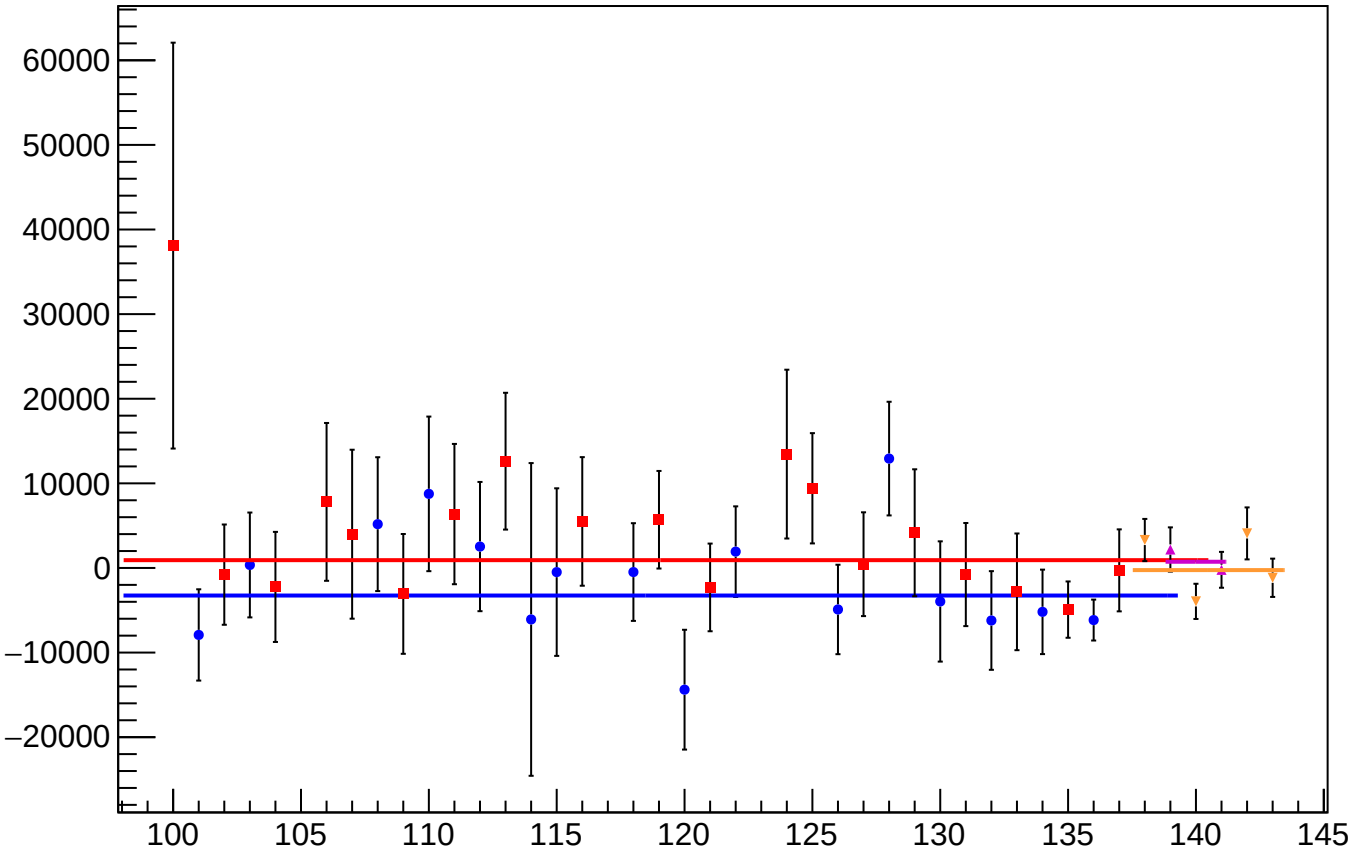
Left: 289.859+/-0.096 χ^2/NDF: 2223.2/5

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 331.247+/-0.080 χ^2/NDF:868274.3/17

Out: 329.310+/-0.074 χ^2/NDF:1036432.5/22

All: 330.206+/-0.055 χ^2/NDF: 1905019.8/40



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -253.027+/-1200.890 χ^2/NDF:7.3/3

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 734.055+/-1646.667 χ^2/NDF:0.5/1

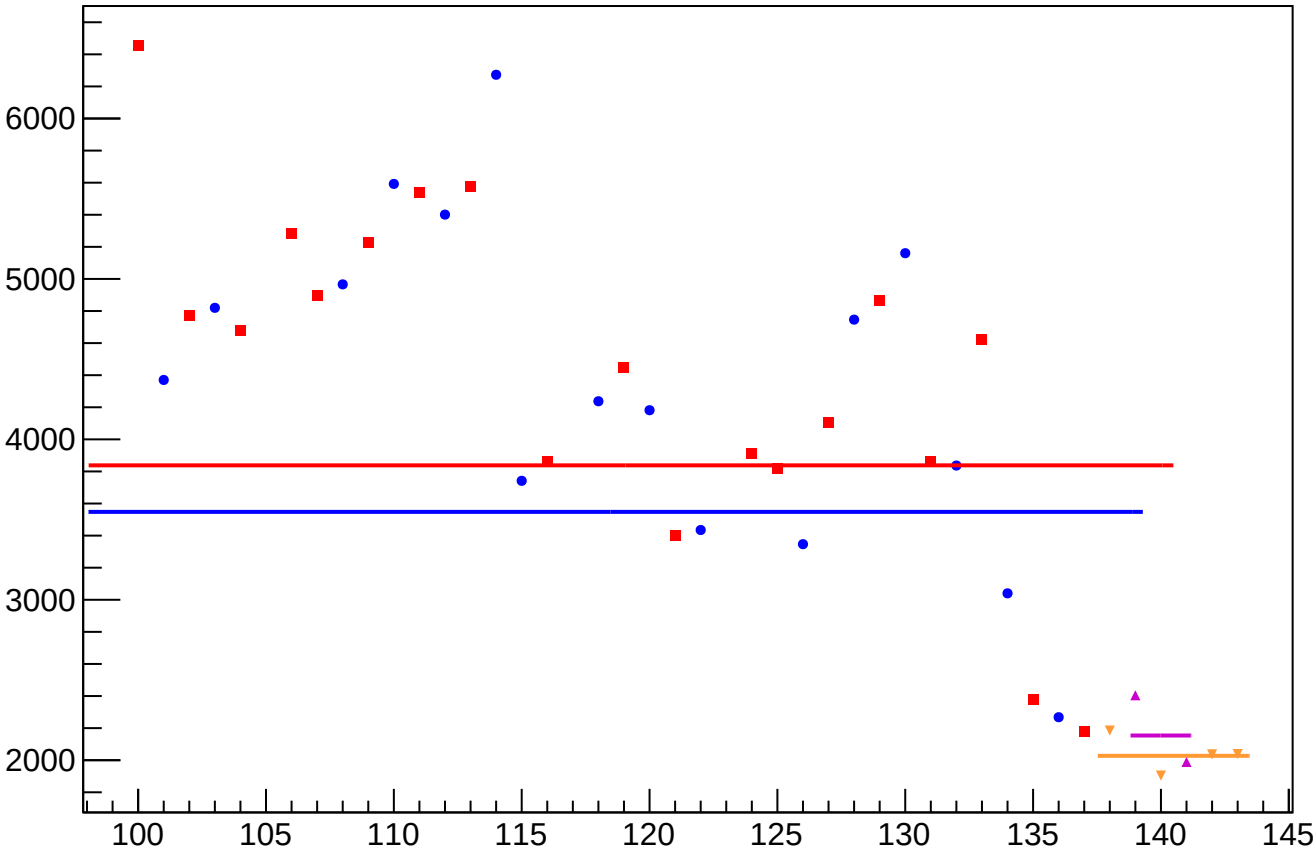
Left: 89.686+/-970.273 χ^2/NDF: 8.1/5

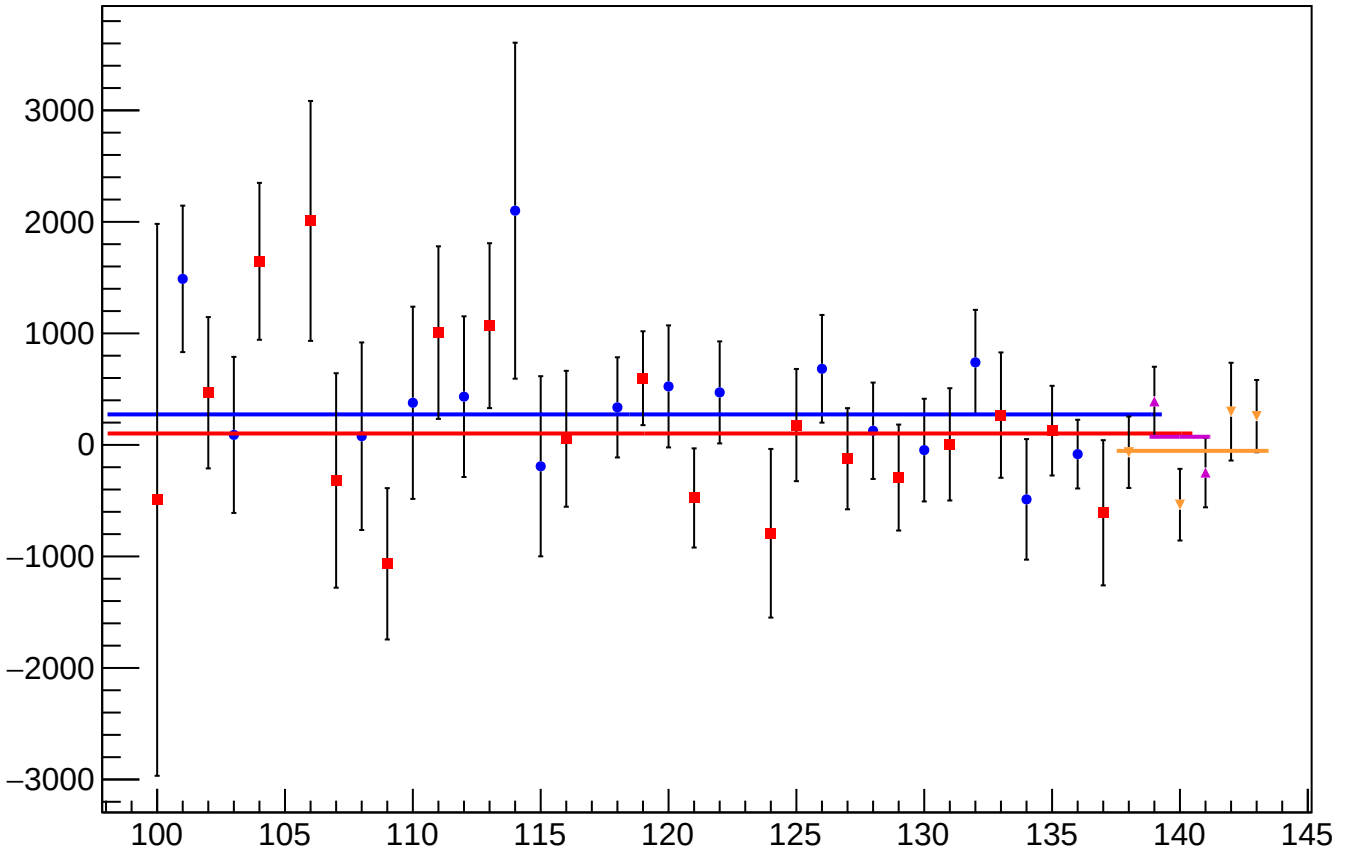
Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1605.678+/-1059.545 χ^2/NDF:20.0/17

Out: 220.535+/-927.645 χ^2/NDF:22.4/22

All: -571.889+/-697.947 χ^2/NDF: 44.0/40


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3547.969+/-0.979 χ²/NDF: 1258486.8/15
Left Out: 2027.348+/-0.849 χ²/NDF:15055.1/3
Right Out: 3837.970+/-1.033 χ²/NDF: 1155831.8/18
Left In: 2154.015+/-1.164 χ²/NDF:30502.5/1
Left: 2071.326+/-0.686 χ²/NDF: 53283.0/5
Right: 3685.168+/-0.710 χ²/NDF: 2455854.0/34
In: 2970.837+/-0.749 χ²/NDF:2128824.8/17
Out: 2757.568+/-0.656 χ²/NDF:3004488.1/22
All: 2850.109+/-0.494 χ²/NDF: 5179182.9/40



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -53.264+/-171.099 χ^2/NDF:3.8/3

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: -5.634+/-135.059 χ^2/NDF: 6.1/5

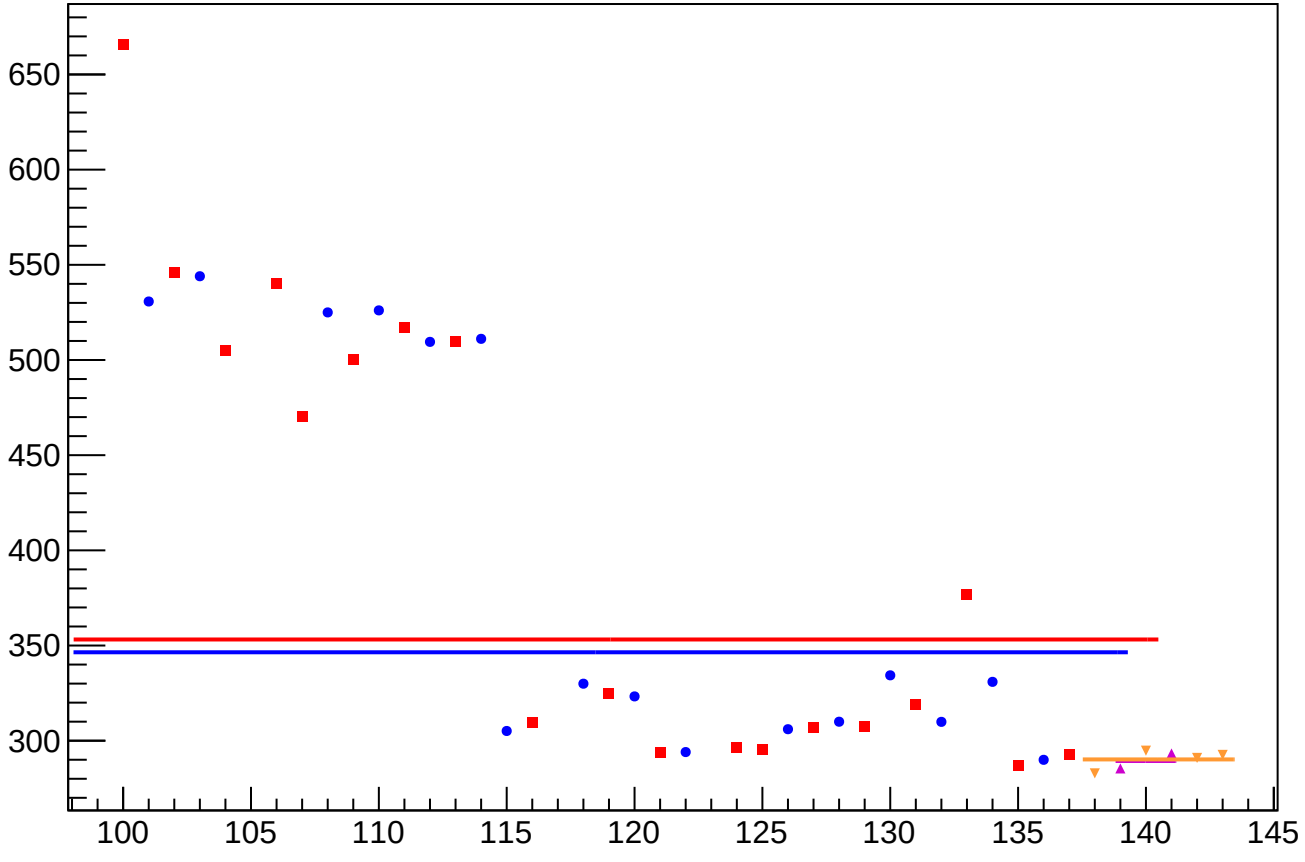
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 220.193+/-113.525 χ^2/NDF:14.2/17

Out: 43.417+/-105.304 χ^2/NDF:25.6/22

All: 125.173+/-77.204 χ^2/NDF: 41.1/40

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 290.167+/-0.121 χ^2/NDF:1568.7/3

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.350+/-0.156 χ^2/NDF:637.7/1

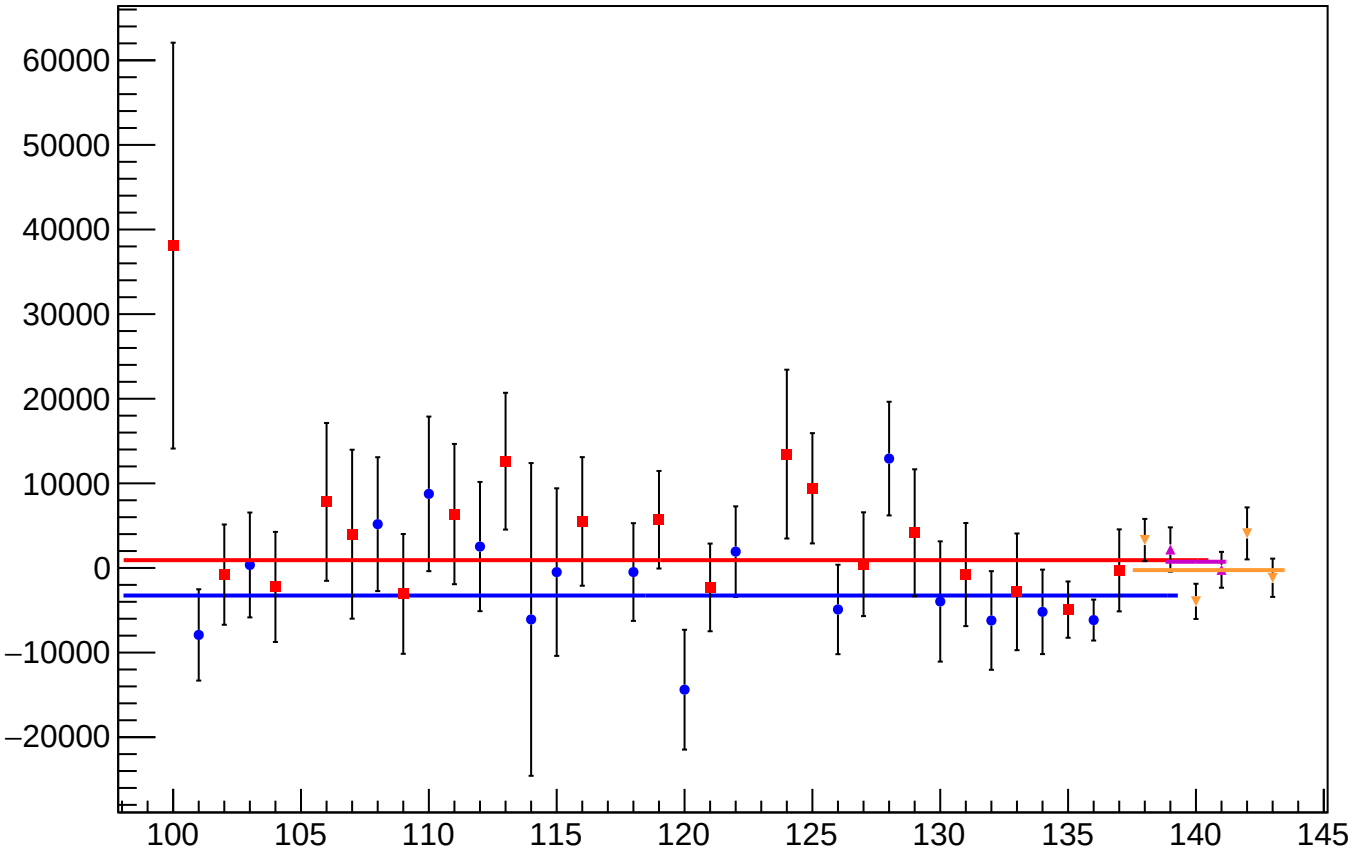
Left: 289.859+/-0.096 χ^2/NDF: 2223.6/5

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 331.246+/-0.080 χ^2/NDF:868259.7/17

Out: 329.309+/-0.074 χ^2/NDF:1036416.6/22

All: 330.205+/-0.055 χ^2/NDF: 1904989.1/40



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -253.029+/-1200.890 χ^2/NDF:7.3/3

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 734.058+/-1646.666 χ^2/NDF:0.5/1

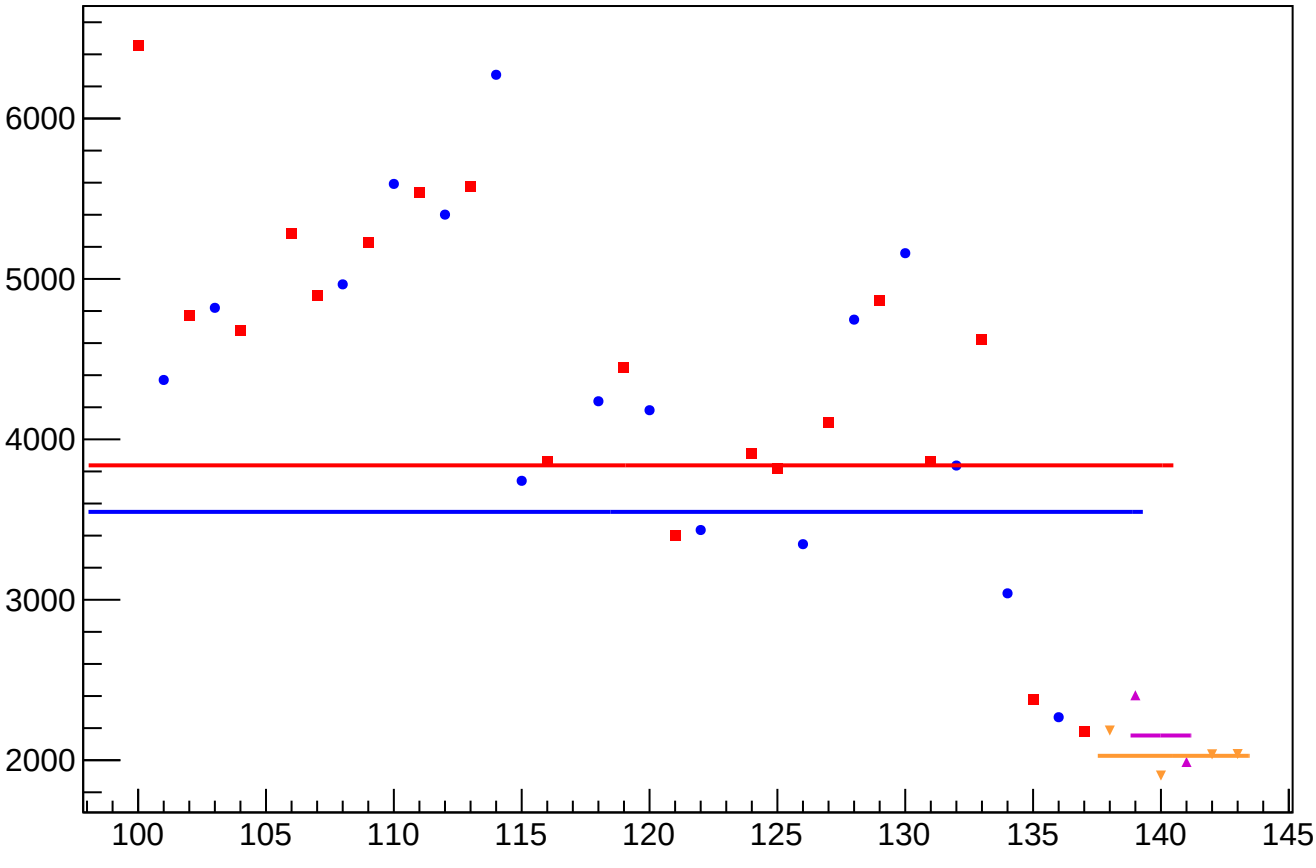
Left: 89.686+/-970.273 χ^2/NDF: 8.1/5

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1605.673+/-1059.543 χ^2/NDF:20.0/17

Out: 220.536+/-927.645 χ^2/NDF:22.4/22

All: -571.887+/-697.946 χ^2/NDF: 44.0/40



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2027.348+/-0.849 χ^2/NDF:15054.3/3

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2154.014+/-1.164 χ^2/NDF:30501.1/1

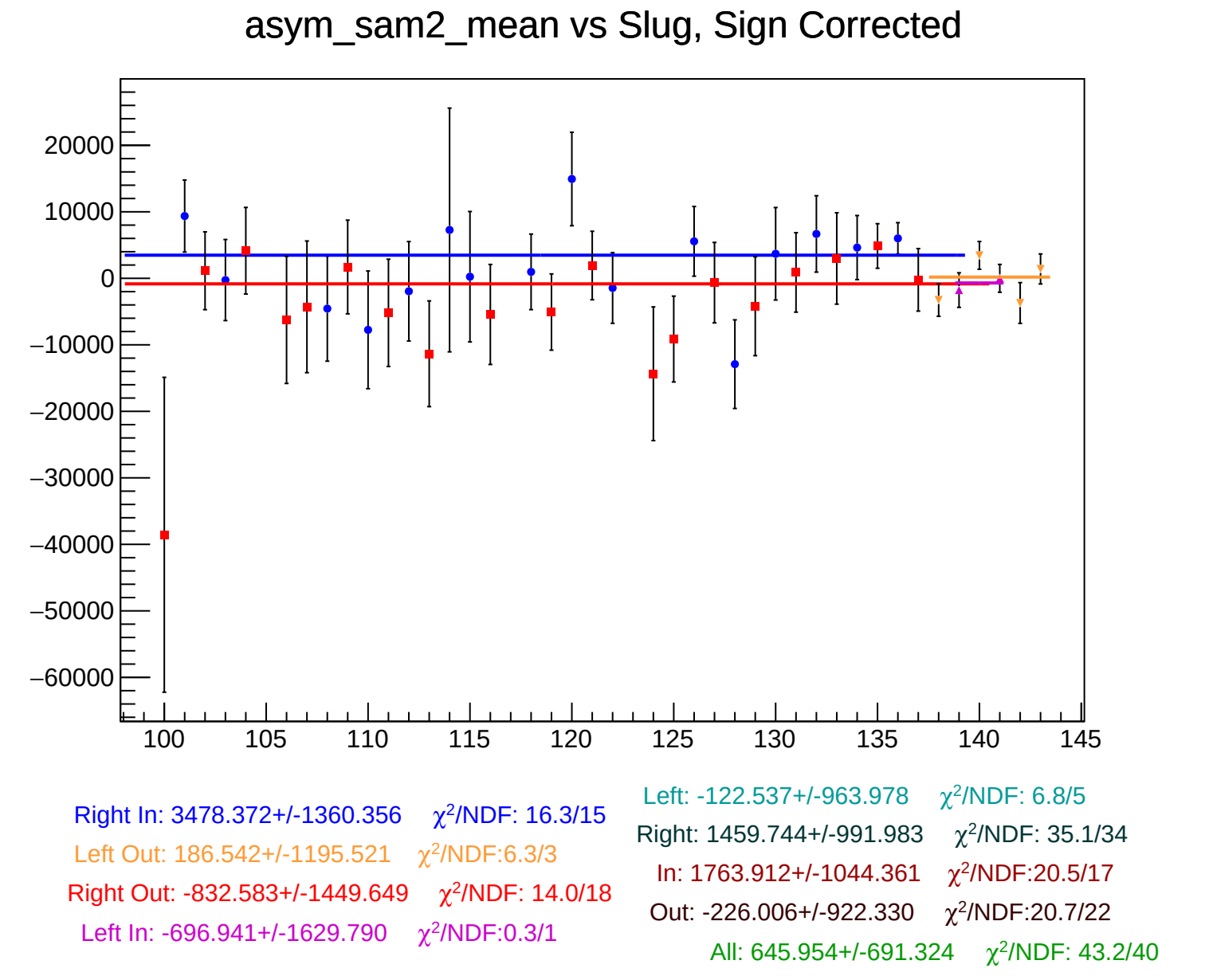
Left: 2071.326+/-0.686 χ^2/NDF: 53280.9/5

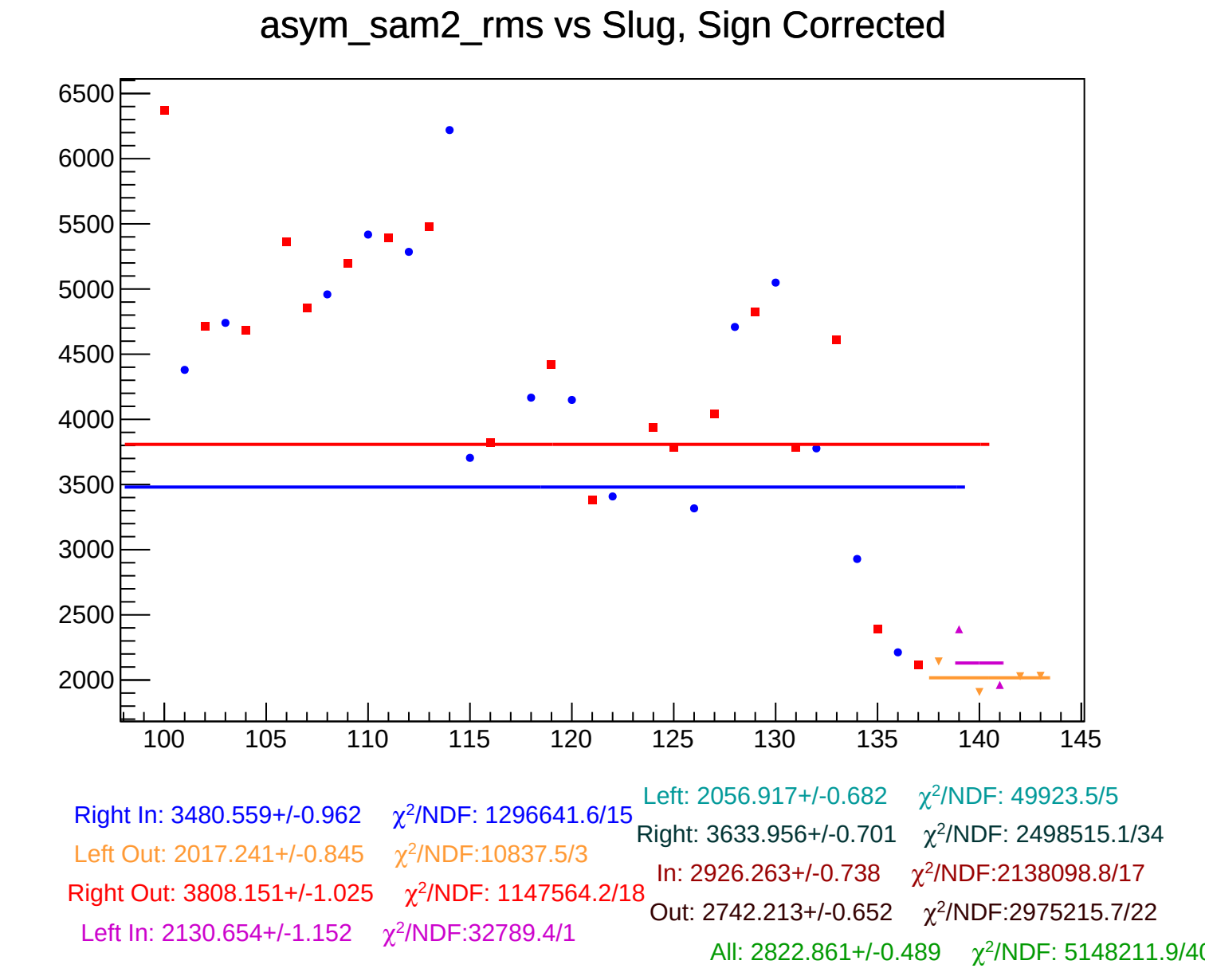
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

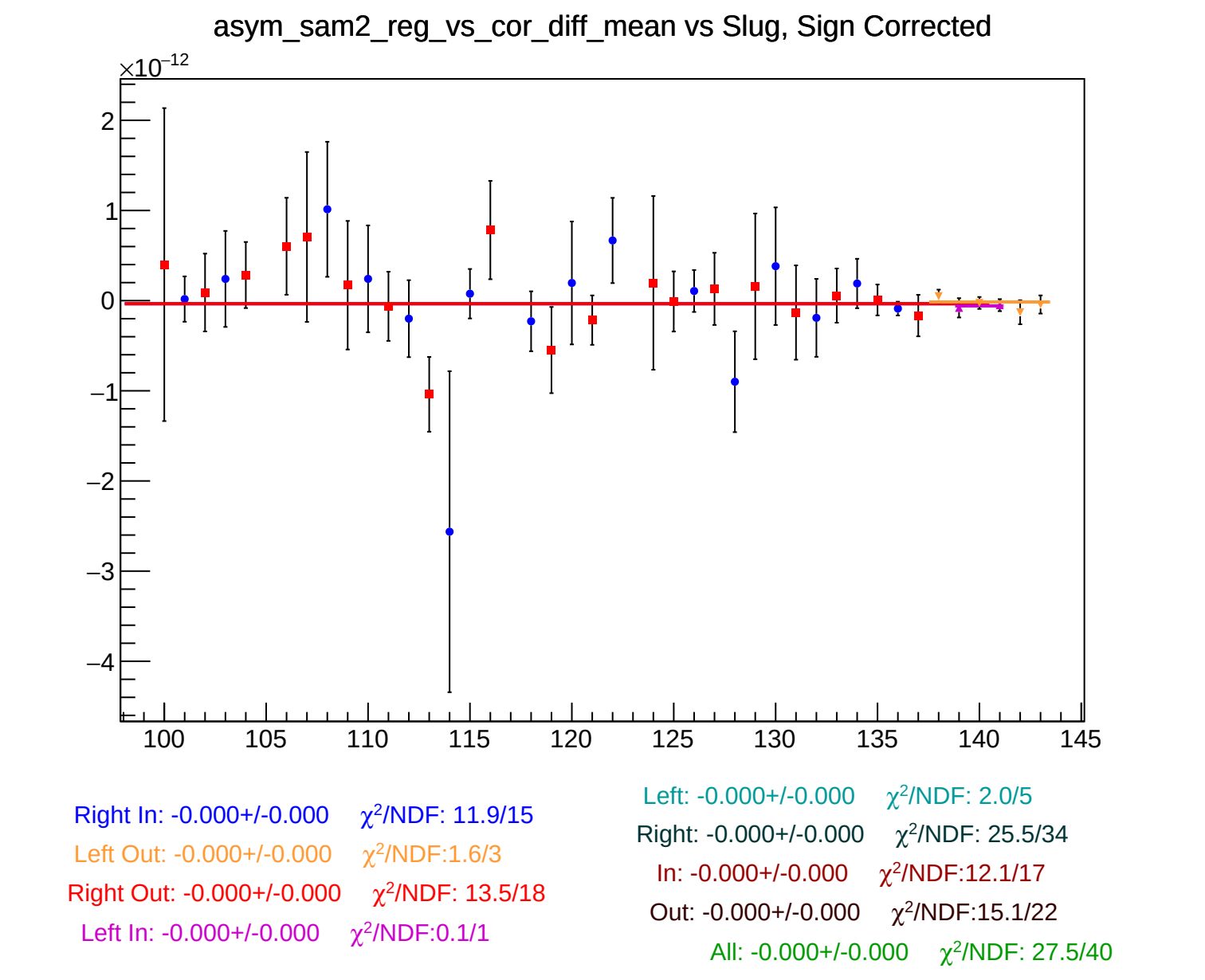
In: 2970.835+/-0.749 χ^2/NDF:2128809.1/17

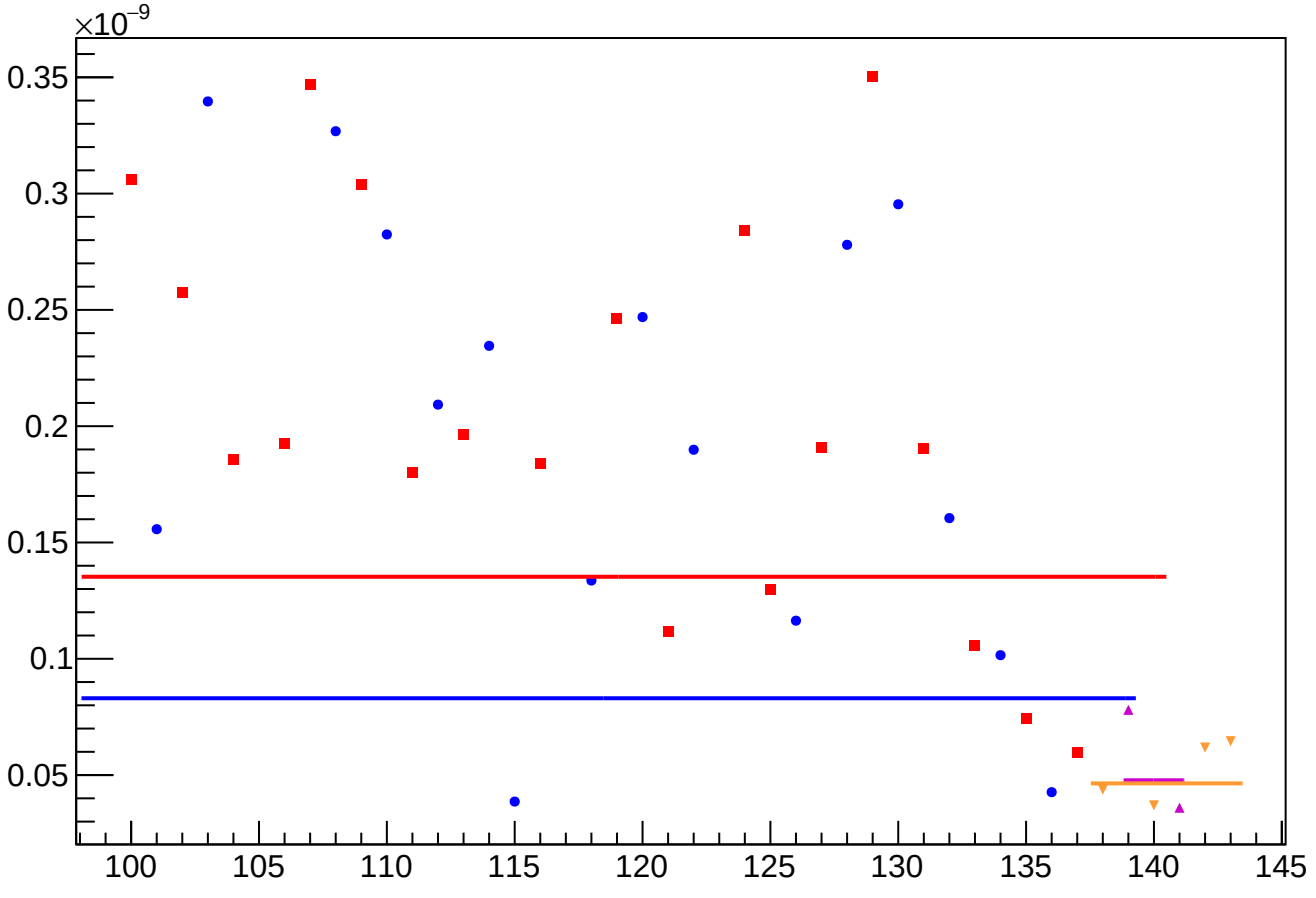
Out: 2757.567+/-0.656 χ^2/NDF:3004471.7/22

All: 2850.107+/-0.494 χ^2/NDF: 5179150.2/40


asym_sam2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
105
110
115
120
125
130
135
140
145
Right In: 3478.372+/-1360.356 χ²/NDF: 16.3/15
Left Out: 186.542+/-1195.521 χ²/NDF:6.3/3
Right Out: -832.583+/-1449.649 χ²/NDF: 14.0/18
Left In: -696.941+/-1629.790 χ²/NDF:0.3/1
Left: -122.537+/-963.978 χ²/NDF: 6.8/5
Right: 1459.744+/-991.983 χ²/NDF: 35.1/34
In: 1763.912+/-1044.361 χ²/NDF:20.5/17
Out: -226.006+/-922.330 χ²/NDF:20.7/22
All: 645.954+/-691.324 χ²/NDF: 43.2/40


asym_sam2_rms vs Slug, Sign Corrected
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
145
Right In: 3480.559+/-0.962 χ²/NDF: 1296641.6/15
Left Out: 2017.241+/-0.845 χ²/NDF:10837.5/3
Right Out: 3808.151+/-1.025 χ²/NDF: 1147564.2/18
Left In: 2130.654+/-1.152 χ²/NDF:32789.4/1
Left: 2056.917+/-0.682 χ²/NDF: 49923.5/5
Right: 3633.956+/-0.701 χ²/NDF: 2498515.1/34
In: 2926.263+/-0.738 χ²/NDF:2138098.8/17
Out: 2742.213+/-0.652 χ²/NDF:2975215.7/22
All: 2822.861+/-0.489 χ²/NDF: 5148211.9/40


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: -0.000+/-0.000 χ²/NDF:1.6/3
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:0.1/1
Left: -0.000+/-0.000 χ²/NDF: 2.0/5
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:12.1/17
Out: -0.000+/-0.000 χ²/NDF:15.1/22
All: -0.000+/-0.000 χ²/NDF: 27.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:135141.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:223047.2/1

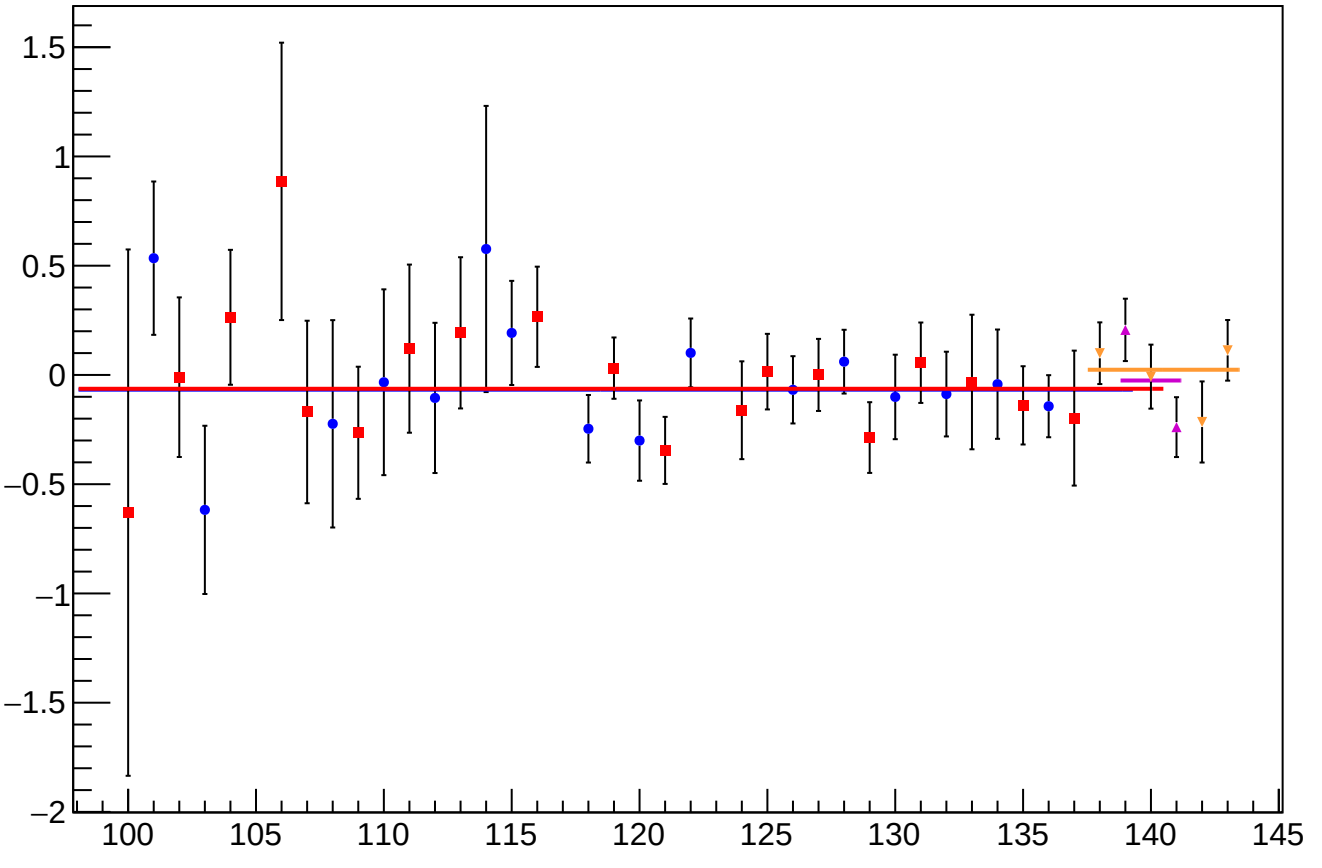
Left: 0.000+/-0.000 χ^2/NDF: 358899.2/5

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:3298207.7/22

All: 0.000+/-0.000 χ^2/NDF: 6585787.8/40



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

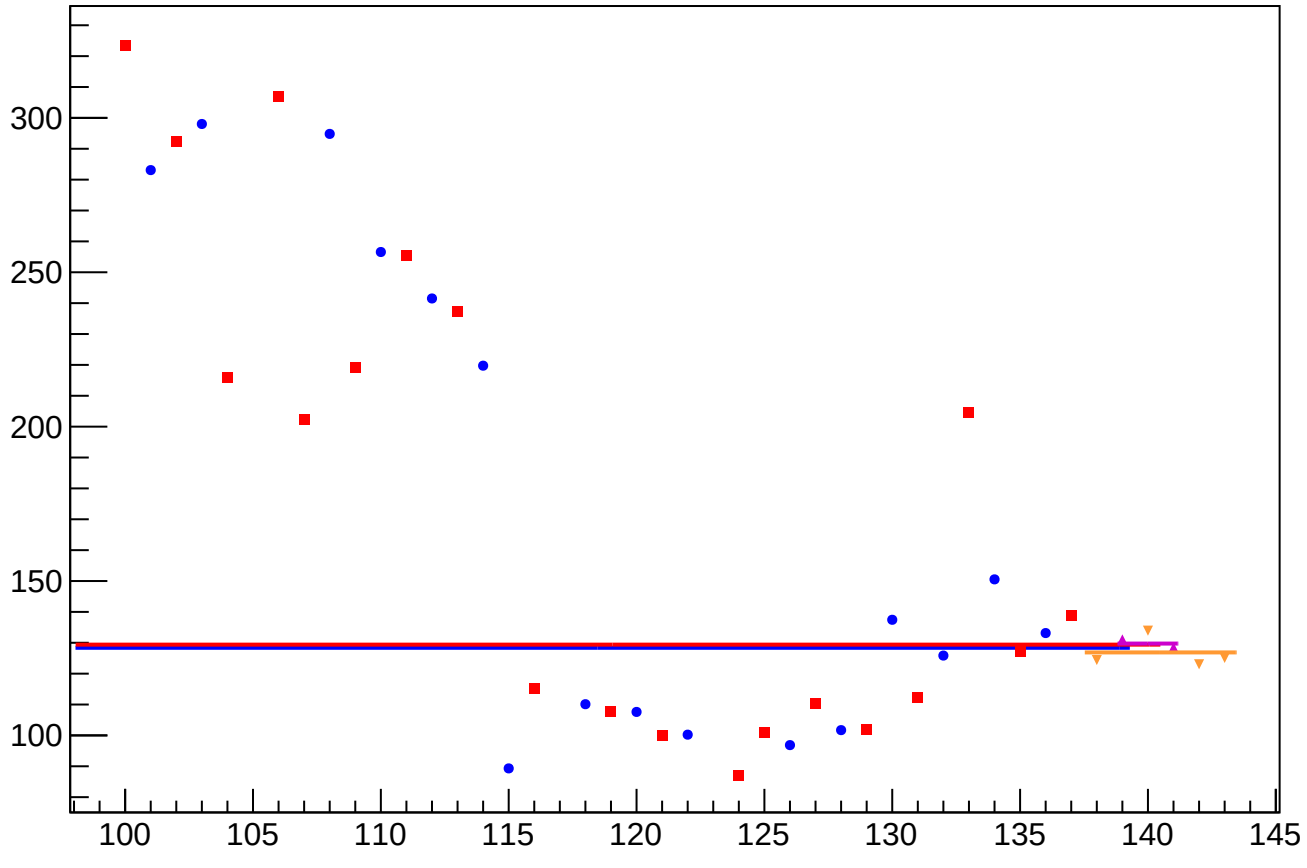
Left: 0.006+/-0.060 χ^2/NDF: 7.6/5

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.046+/-0.031 χ^2/NDF: 35.1/40



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.877+/-0.053 χ^2/NDF:6433.2/3

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: 127.924+/-0.042 χ^2/NDF: 7844.7/5

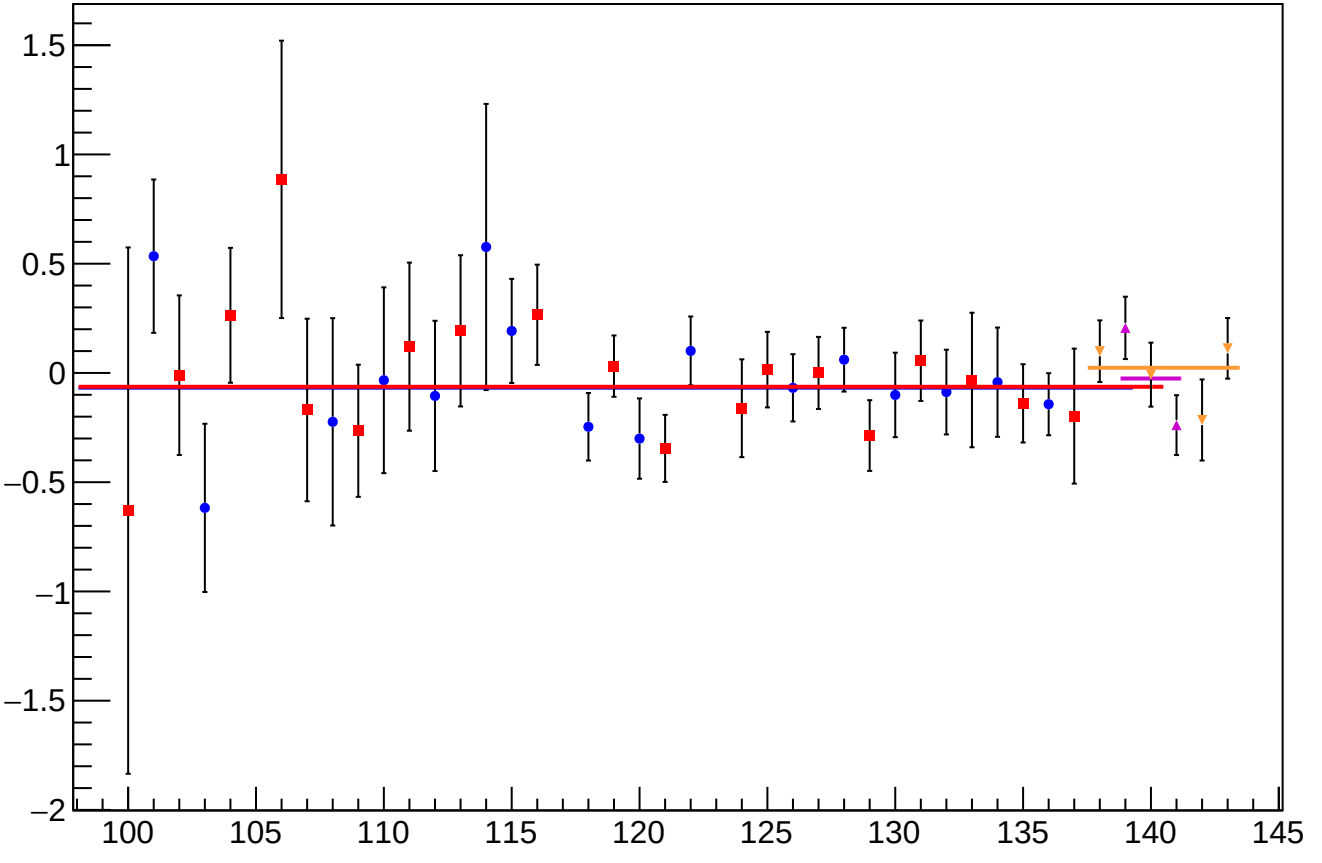
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.673+/-0.032 χ^2/NDF:1805721.5/17

Out: 128.588+/-0.030 χ^2/NDF:1896239.2/22

All: 128.627+/-0.022 χ^2/NDF: 3701964.5/40

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

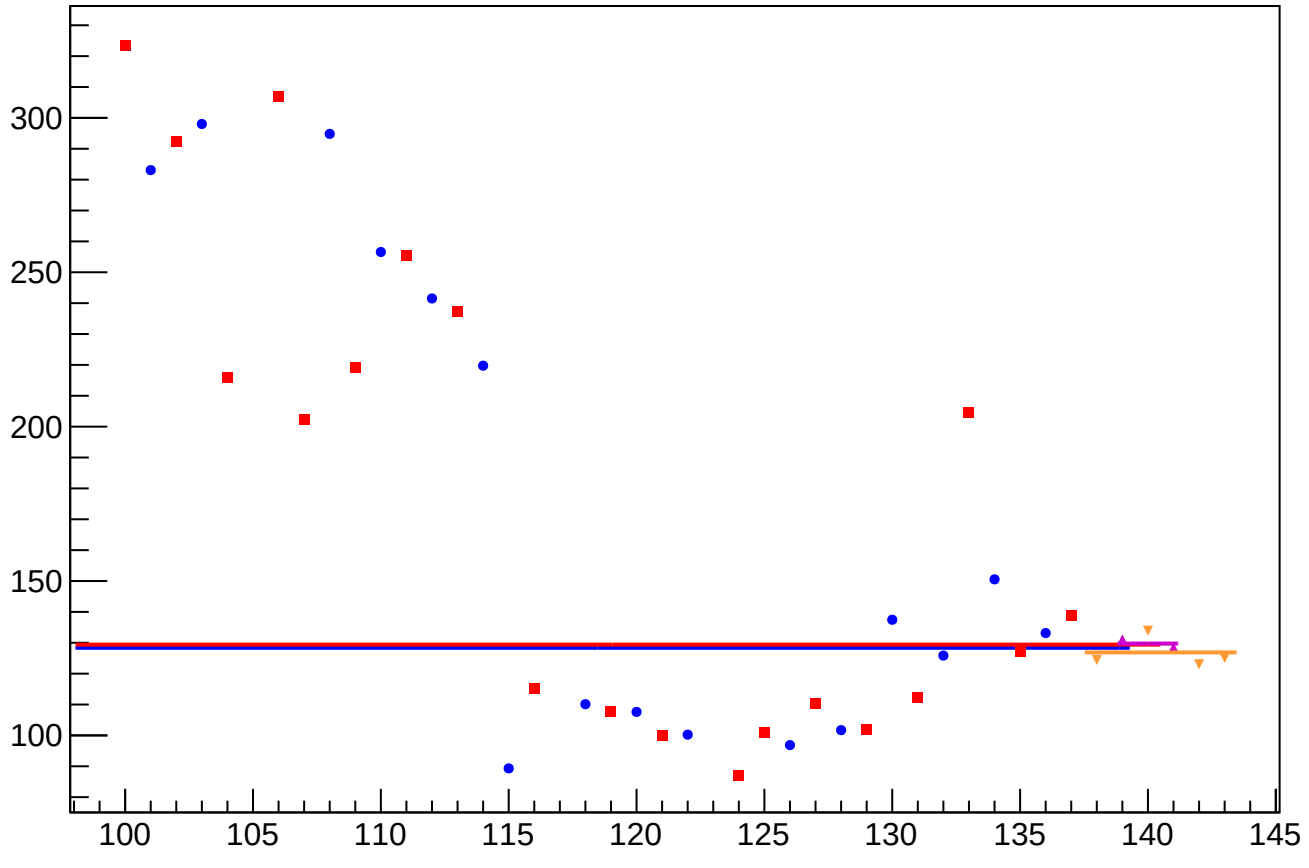
Left: 0.006+/-0.060 χ^2/NDF: 7.6/5

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.046+/-0.031 χ^2/NDF: 35.1/40



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 126.877+/-0.053 χ^2/NDF:6433.2/3

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 129.742+/-0.070 χ^2/NDF:344.5/1

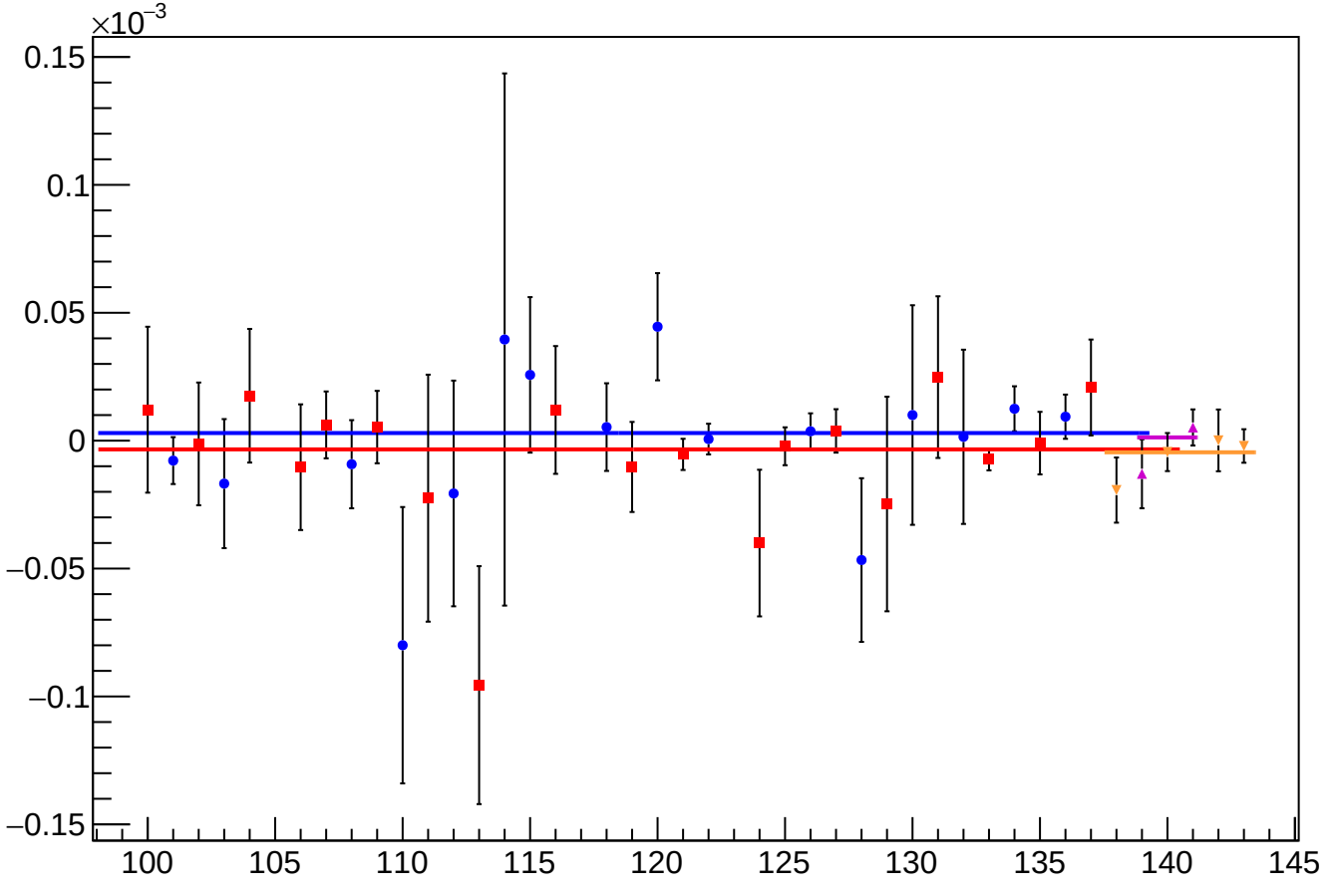
Left: 127.924+/-0.042 χ^2/NDF: 7844.7/5

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 128.673+/-0.032 χ^2/NDF:1805721.5/17

Out: 128.588+/-0.030 χ^2/NDF:1896239.2/22

All: 128.627+/-0.022 χ^2/NDF: 3701964.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/1

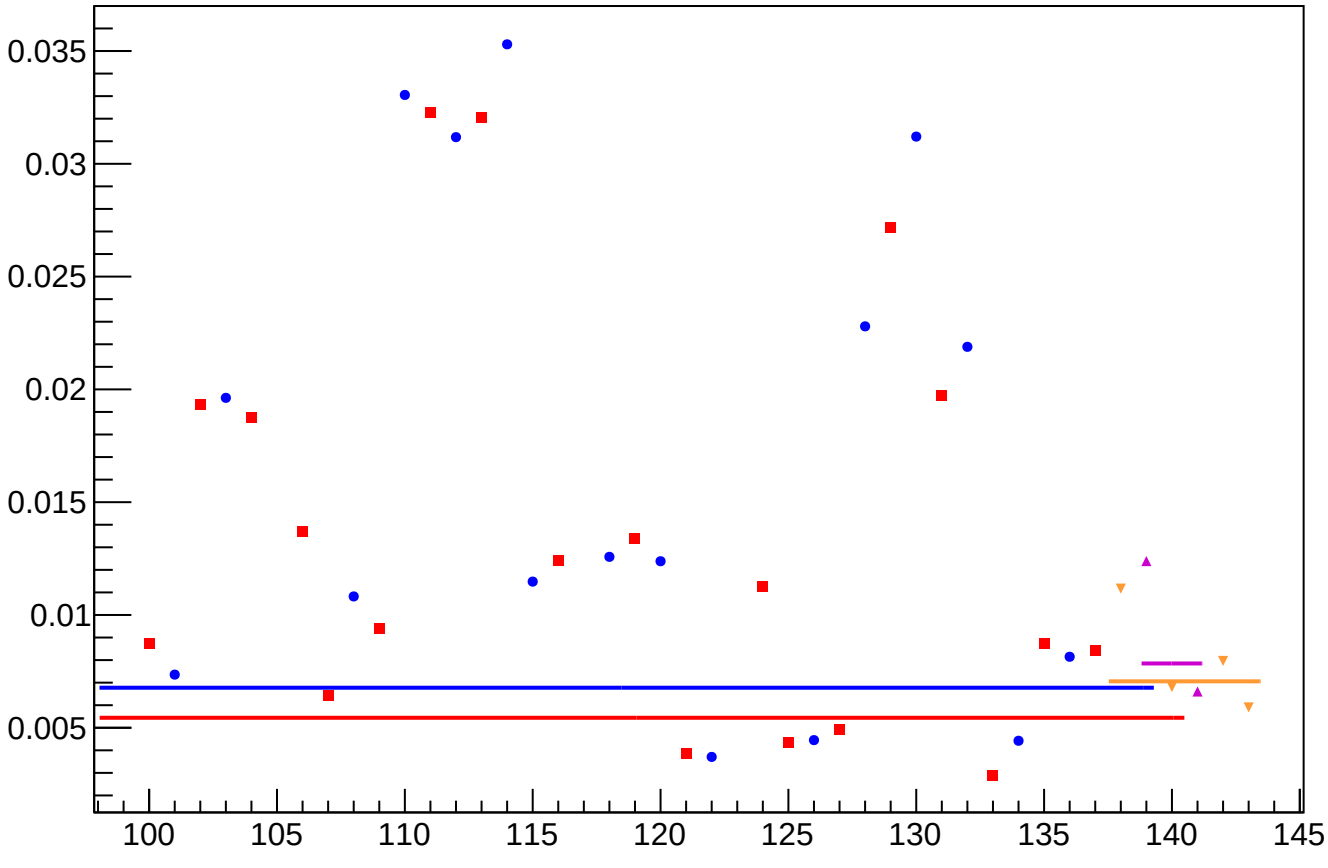
Left: -0.000+/-0.000 χ^2/NDF: 3.6/5

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:14.3/22

All: -0.000+/-0.000 χ^2/NDF: 33.0/40



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:284158.3/3

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:288973.5/1

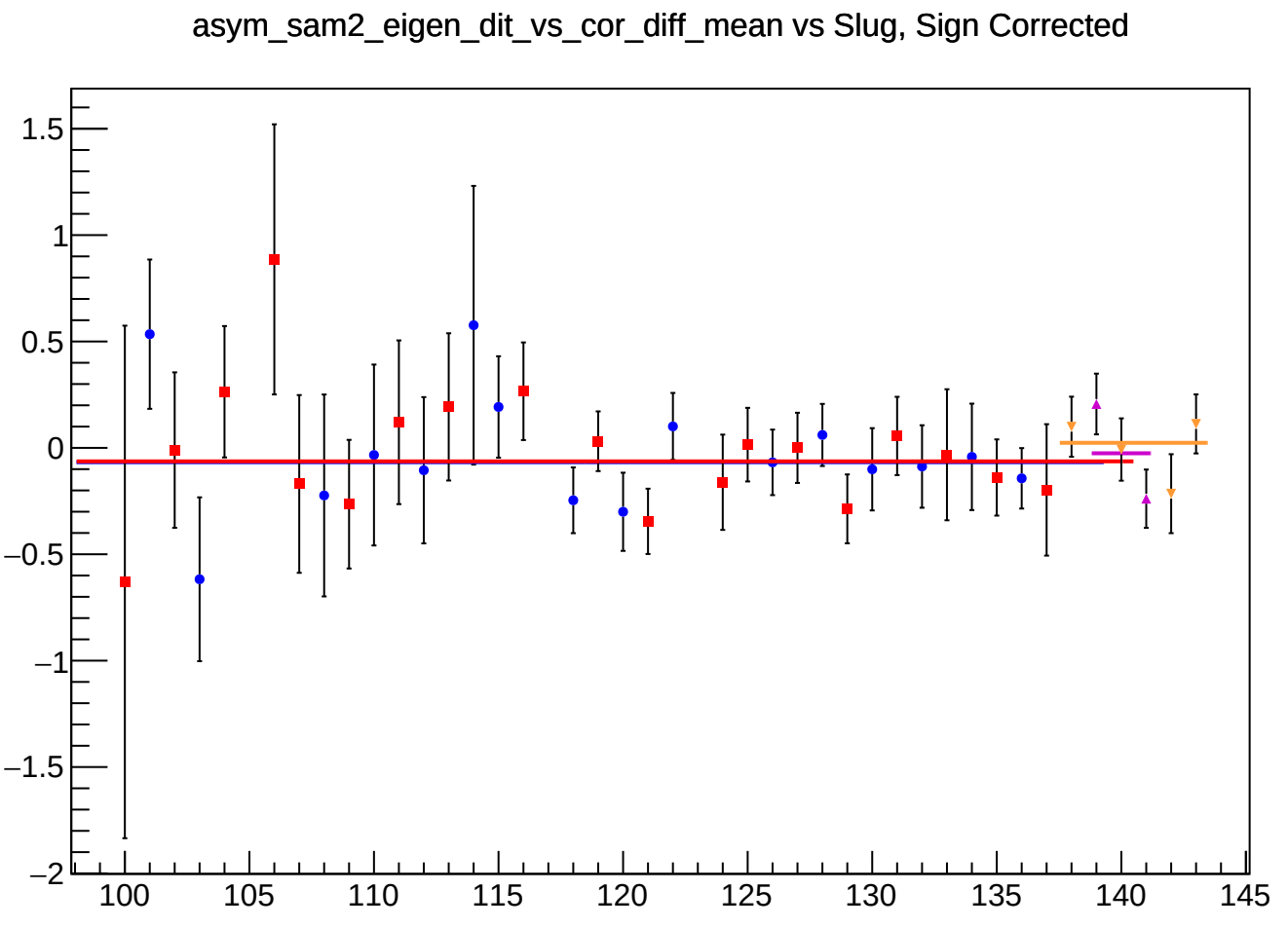
Left: 0.007+/-0.000 χ^2/NDF: 595006.2/5

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:6064262.5/22

All: 0.006+/-0.000 χ^2/NDF: 11367469.2/40



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.025+/-0.099 χ^2/NDF:5.1/1

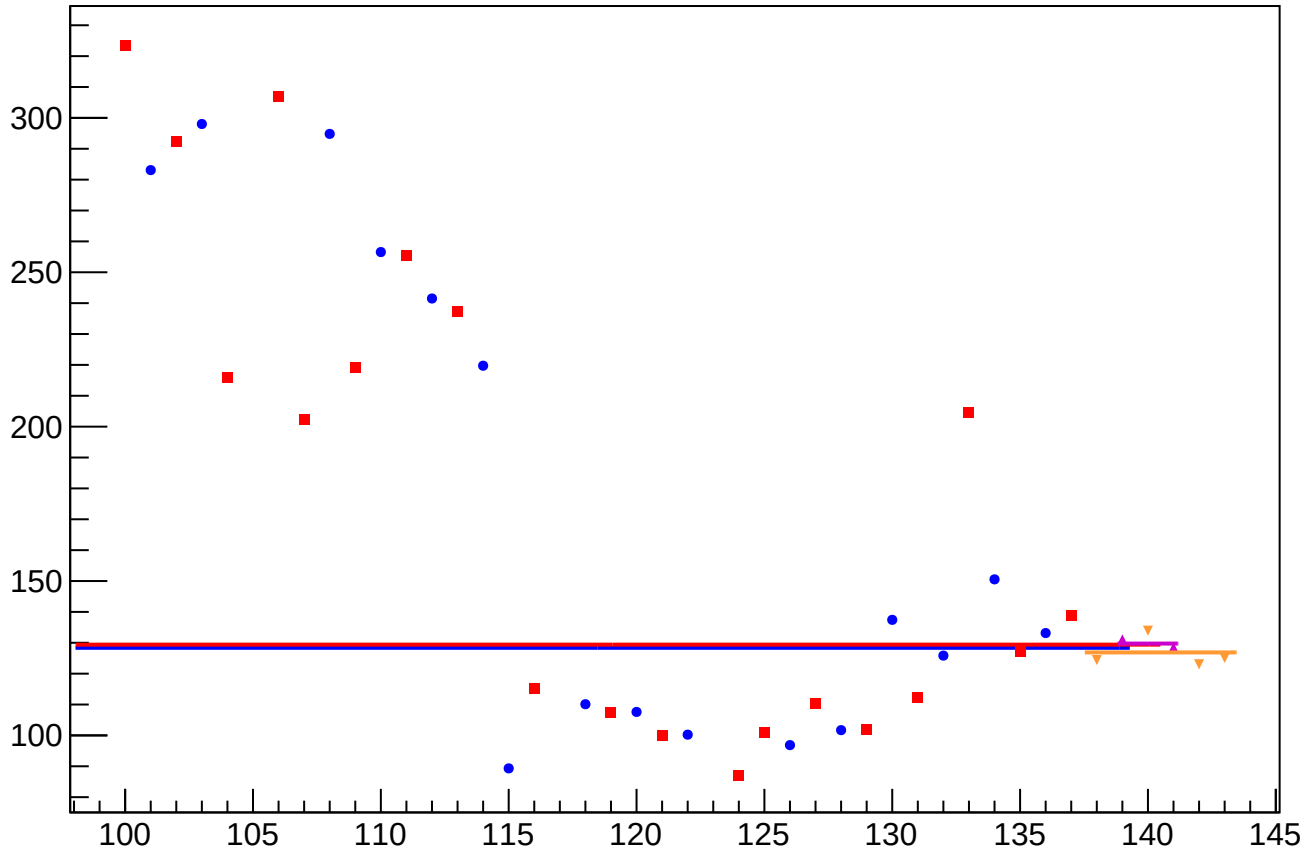
Left: 0.006+/-0.060 χ^2/NDF: 7.6/5

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.046+/-0.031 χ^2/NDF: 35.1/40



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 126.877+/-0.053 χ^2/NDF:6434.4/3

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: 127.924+/-0.042 χ^2/NDF: 7845.5/5

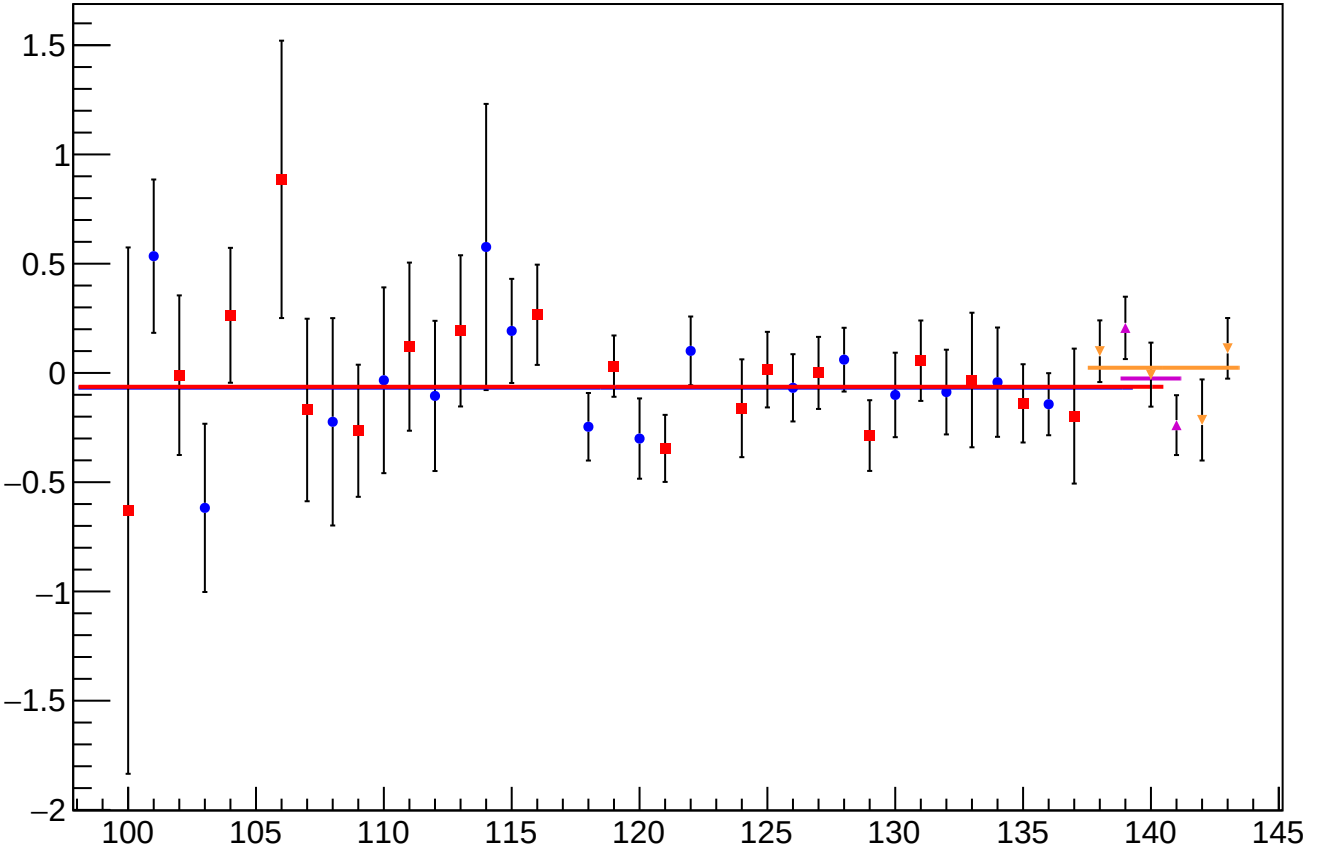
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.671+/-0.032 χ^2/NDF:1805670.4/17

Out: 128.586+/-0.030 χ^2/NDF:1896238.2/22

All: 128.625+/-0.022 χ^2/NDF: 3701912.3/40

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.024+/-0.075 χ^2/NDF:2.4/3

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: 0.006+/-0.060 χ^2/NDF: 7.6/5

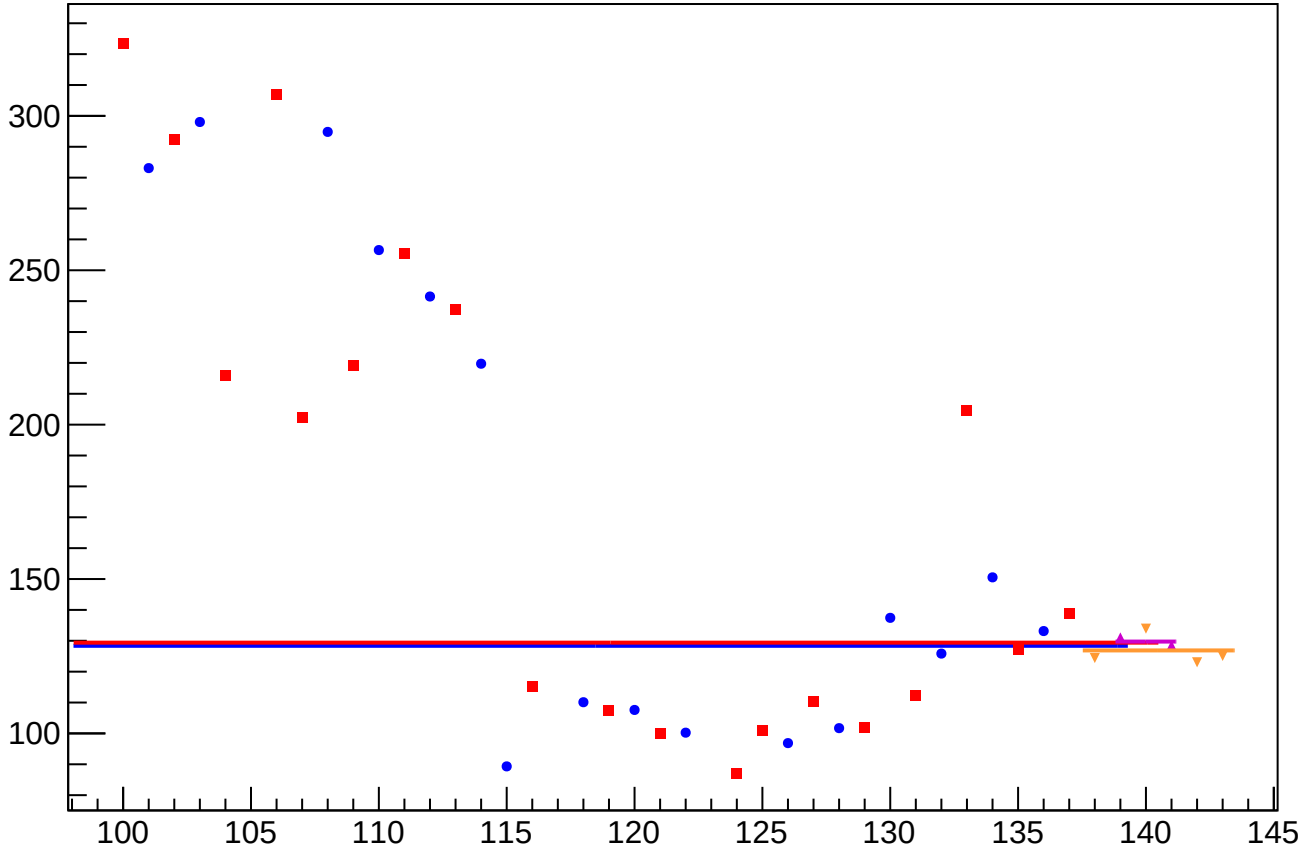
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.058+/-0.046 χ^2/NDF:17.7/17

Out: -0.035+/-0.043 χ^2/NDF:17.3/22

All: -0.046+/-0.031 χ^2/NDF: 35.1/40

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: 126.877+/-0.053 χ^2/NDF:6434.4/3

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 129.743+/-0.070 χ^2/NDF:344.0/1

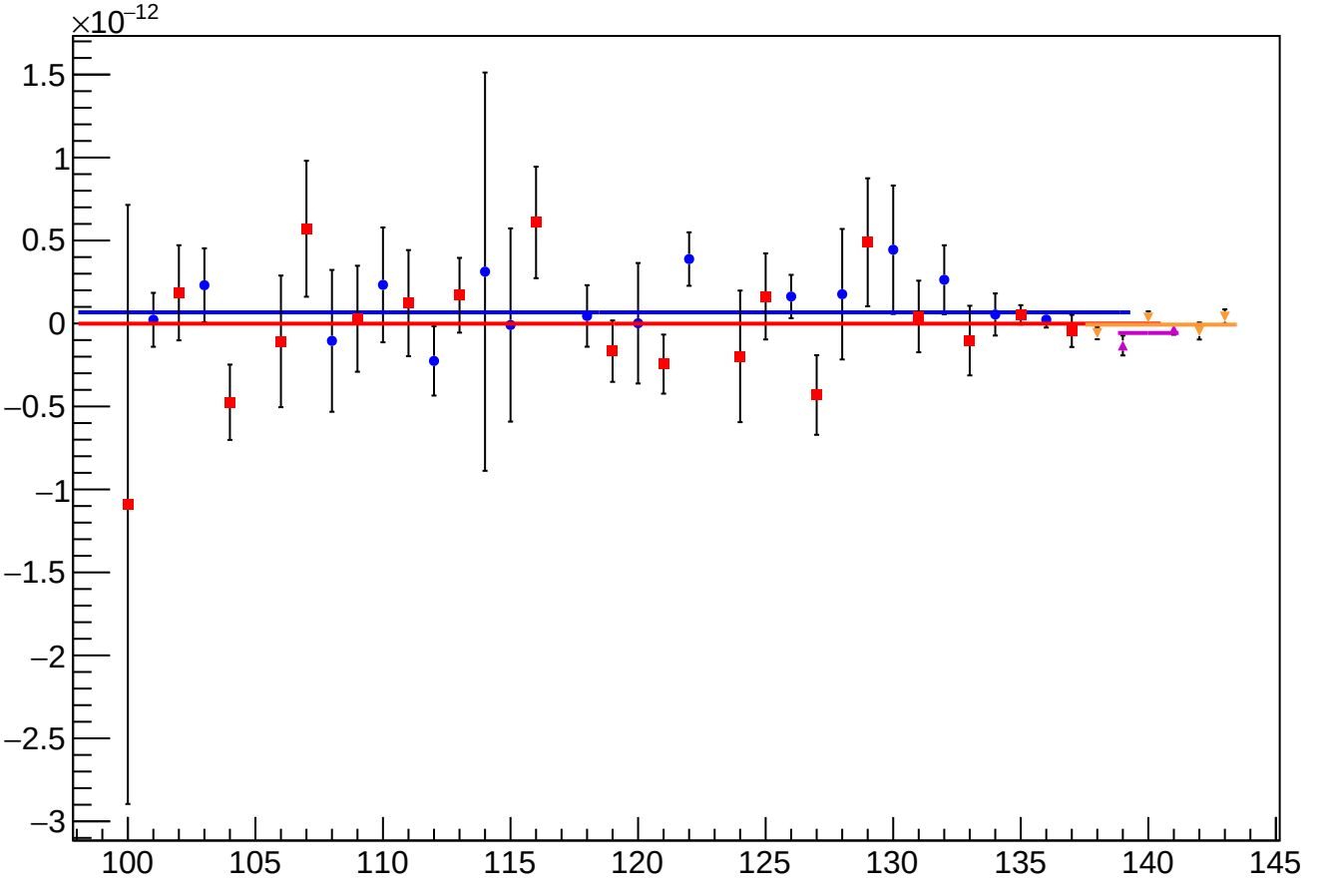
Left: 127.924+/-0.042 χ^2/NDF: 7845.5/5

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 128.671+/-0.032 χ^2/NDF:1805670.4/17

Out: 128.586+/-0.030 χ^2/NDF:1896238.2/22

All: 128.625+/-0.022 χ^2/NDF: 3701912.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/1

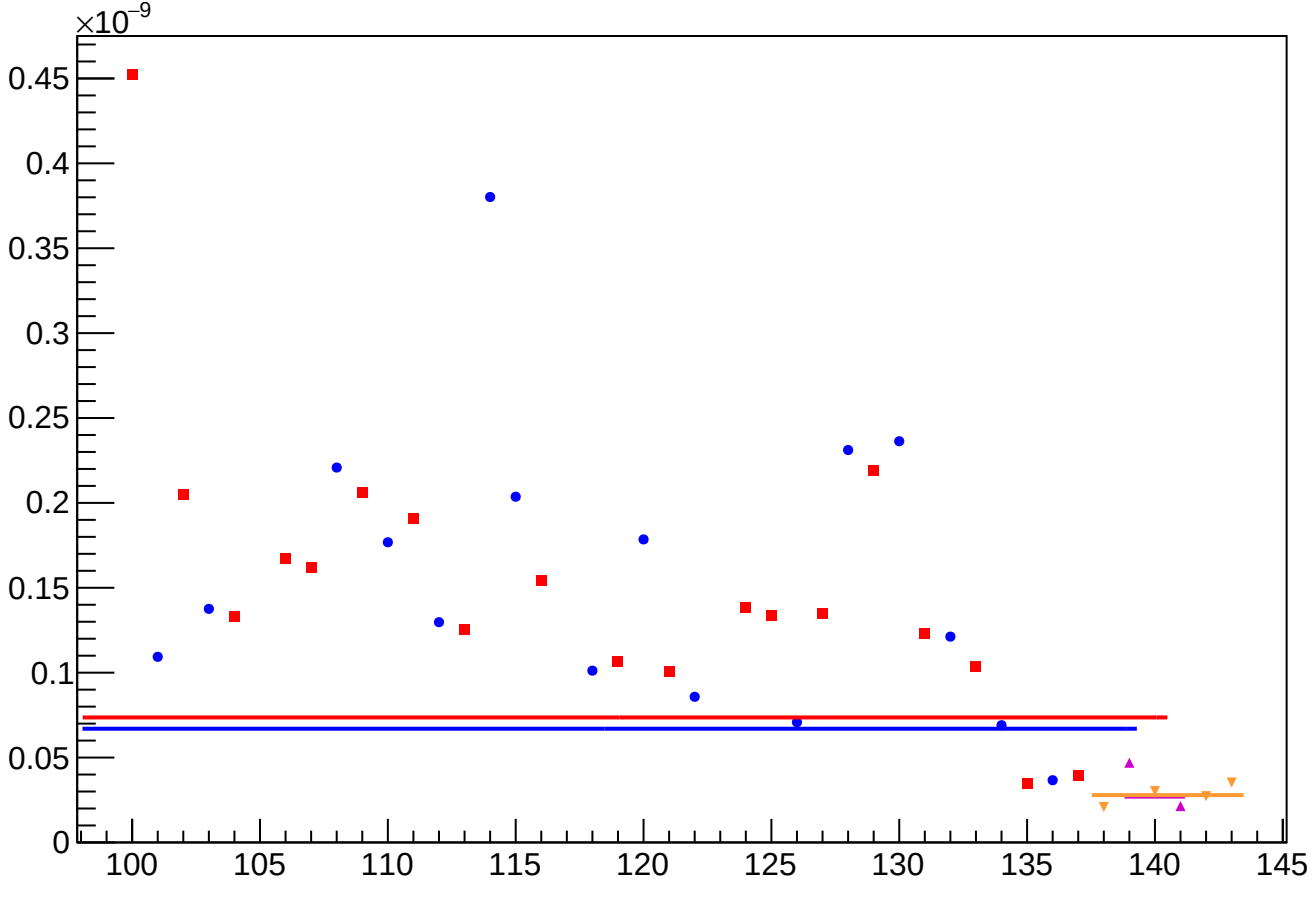
Left: -0.000+/-0.000 χ^2/NDF: 9.0/5

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:25.5/22

All: -0.000+/-0.000 χ^2/NDF: 45.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:137173.2/3

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: 422528.1/5

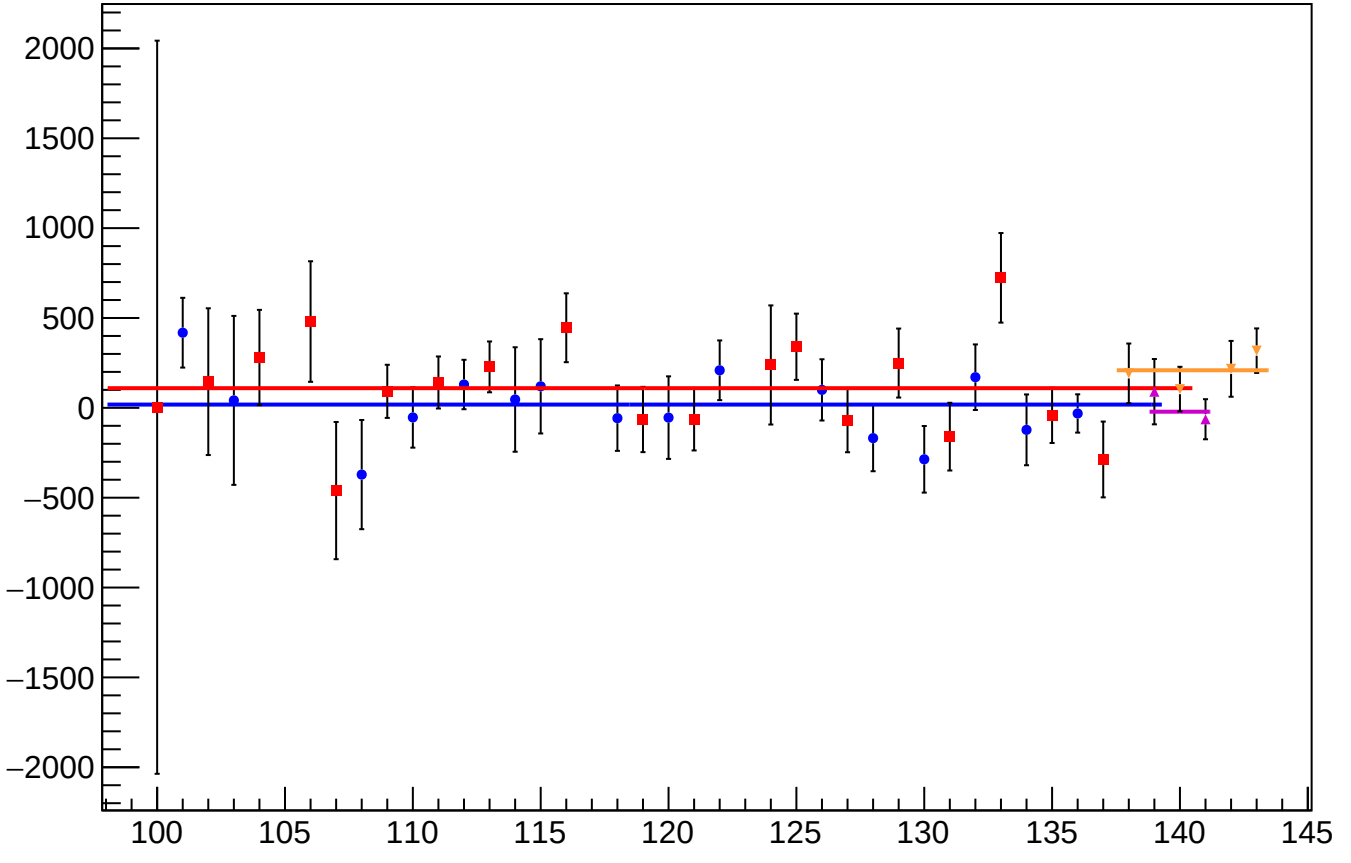
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:4998103.4/17

Out: 0.000+/-0.000 χ^2/NDF:5900758.6/22

All: 0.000+/-0.000 χ^2/NDF: 10940060.3/40

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.140+/-69.383 χ^2/NDF:1.5/3

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: 128.989+/-56.043 χ^2/NDF: 5.9/5

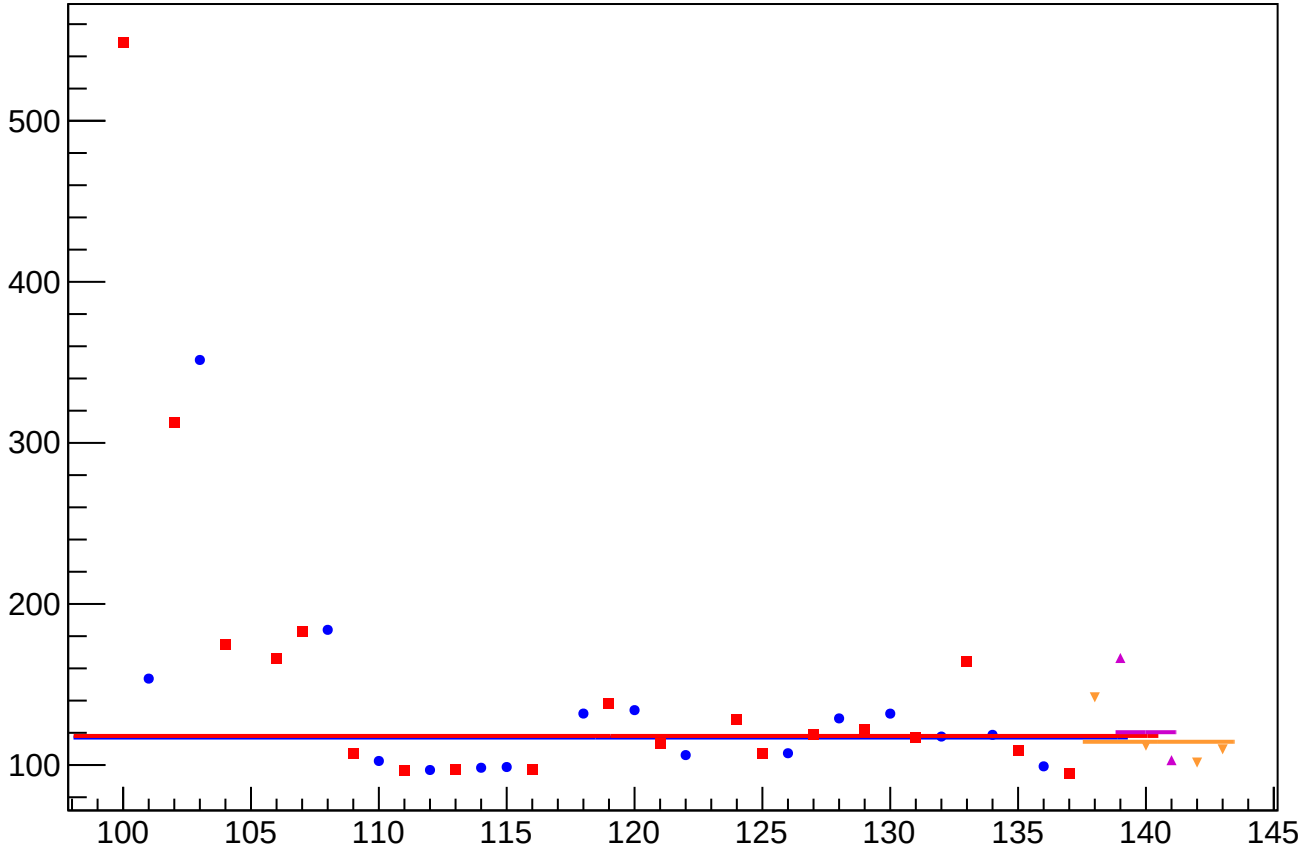
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 10.757+/-41.190 χ^2/NDF:14.5/17

Out: 139.716+/-38.238 χ^2/NDF:28.4/22

All: 80.024+/-28.024 χ^2/NDF: 48.2/40

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

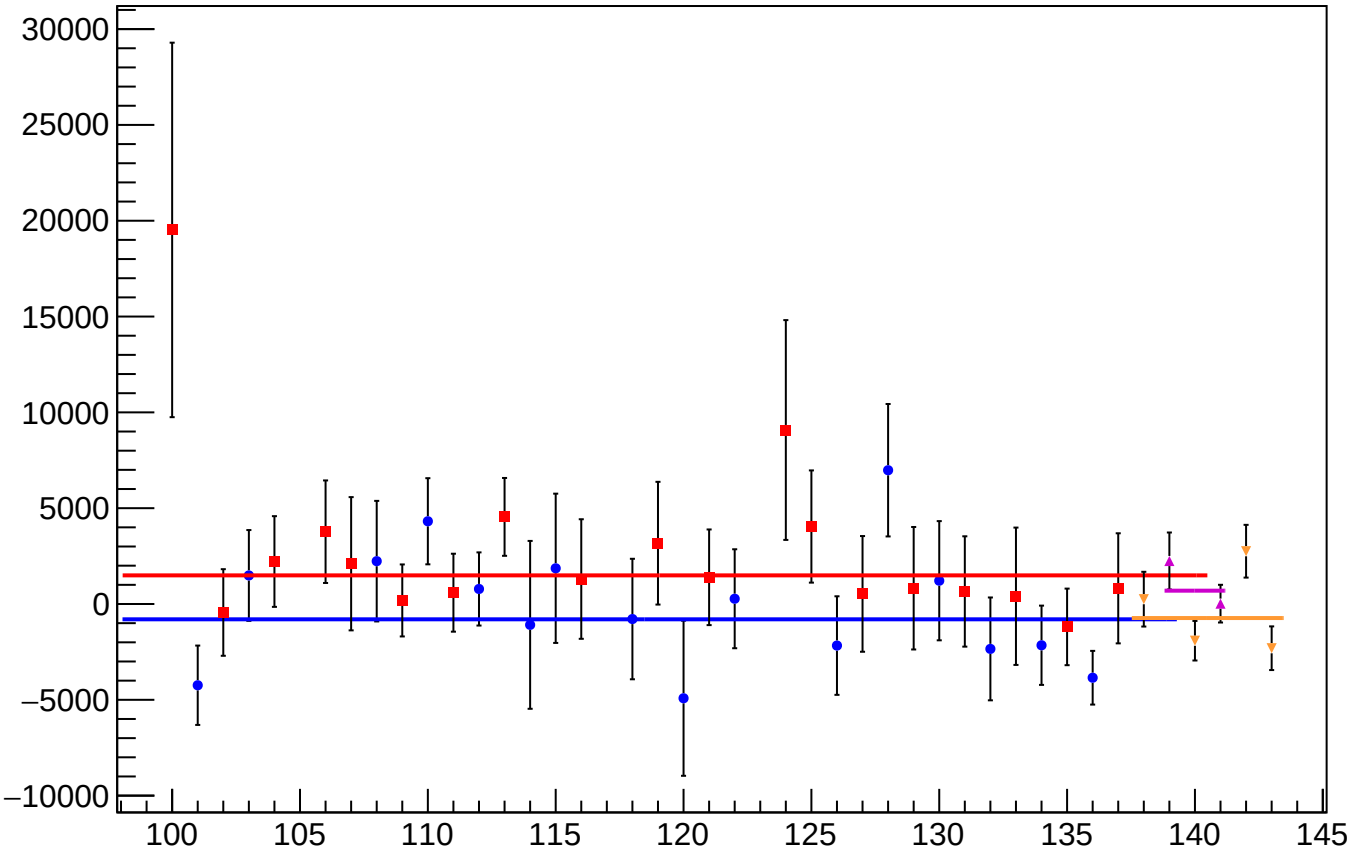
Left: 116.503+/-0.040 χ^2/NDF: 254797.3/5

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 117.685+/-0.029 χ^2/NDF:1037418.3/17

Out: 116.959+/-0.027 χ^2/NDF:1067199.1/22

All: 117.295+/-0.020 χ^2/NDF: 2104951.0/40



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -732.914+/-605.596 χ^2/NDF:10.1/3

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 695.237+/-820.342 χ^2/NDF:1.6/1

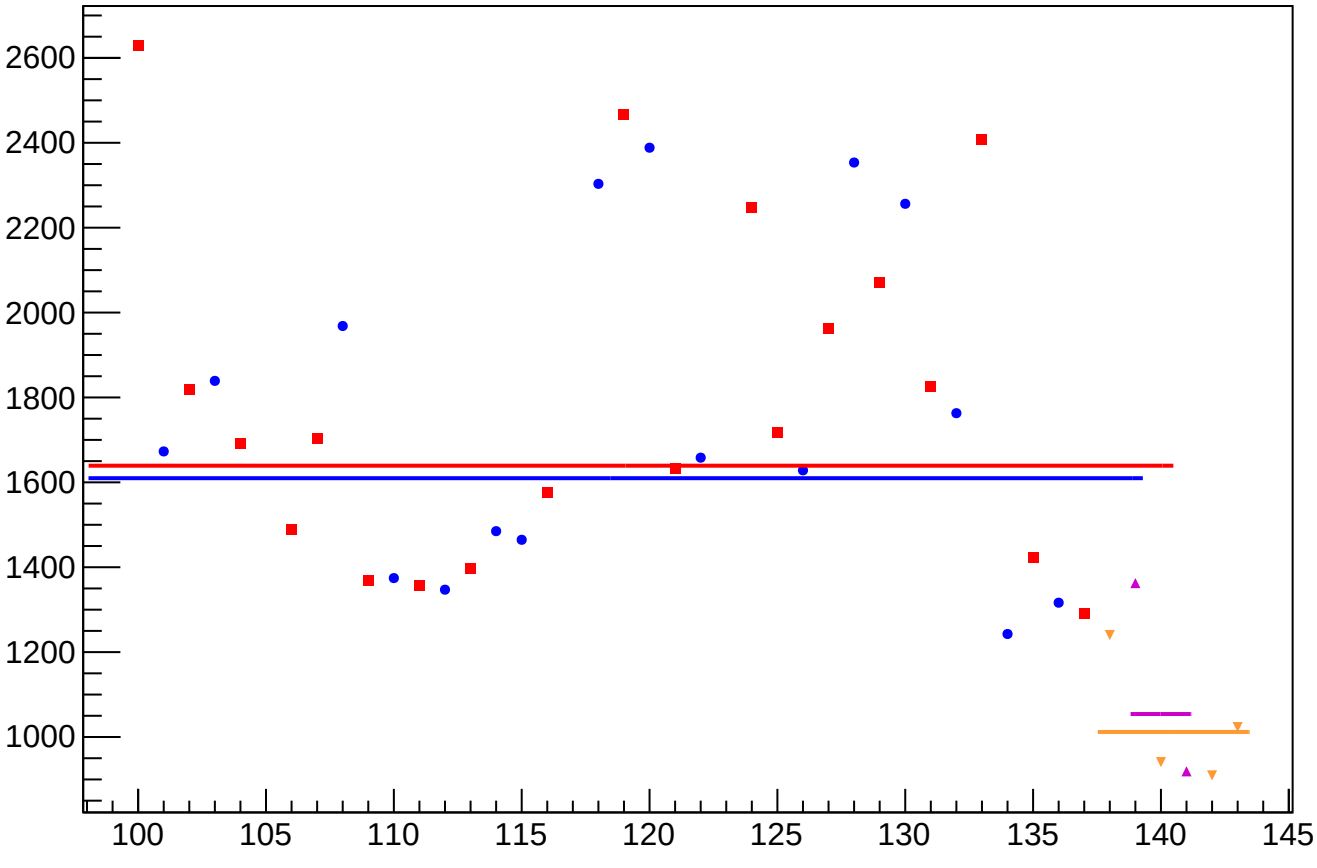
Left: -229.148+/-487.217 χ^2/NDF: 13.6/5

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -260.318+/-492.590 χ^2/NDF:27.1/17

Out: 366.787+/-430.848 χ^2/NDF:29.7/22

All: 94.977+/-324.301 χ^2/NDF: 57.7/40



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 1011.907+/-0.428 χ^2/NDF:71863.4/3

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: 1026.803+/-0.345 χ^2/NDF: 199060.5/5

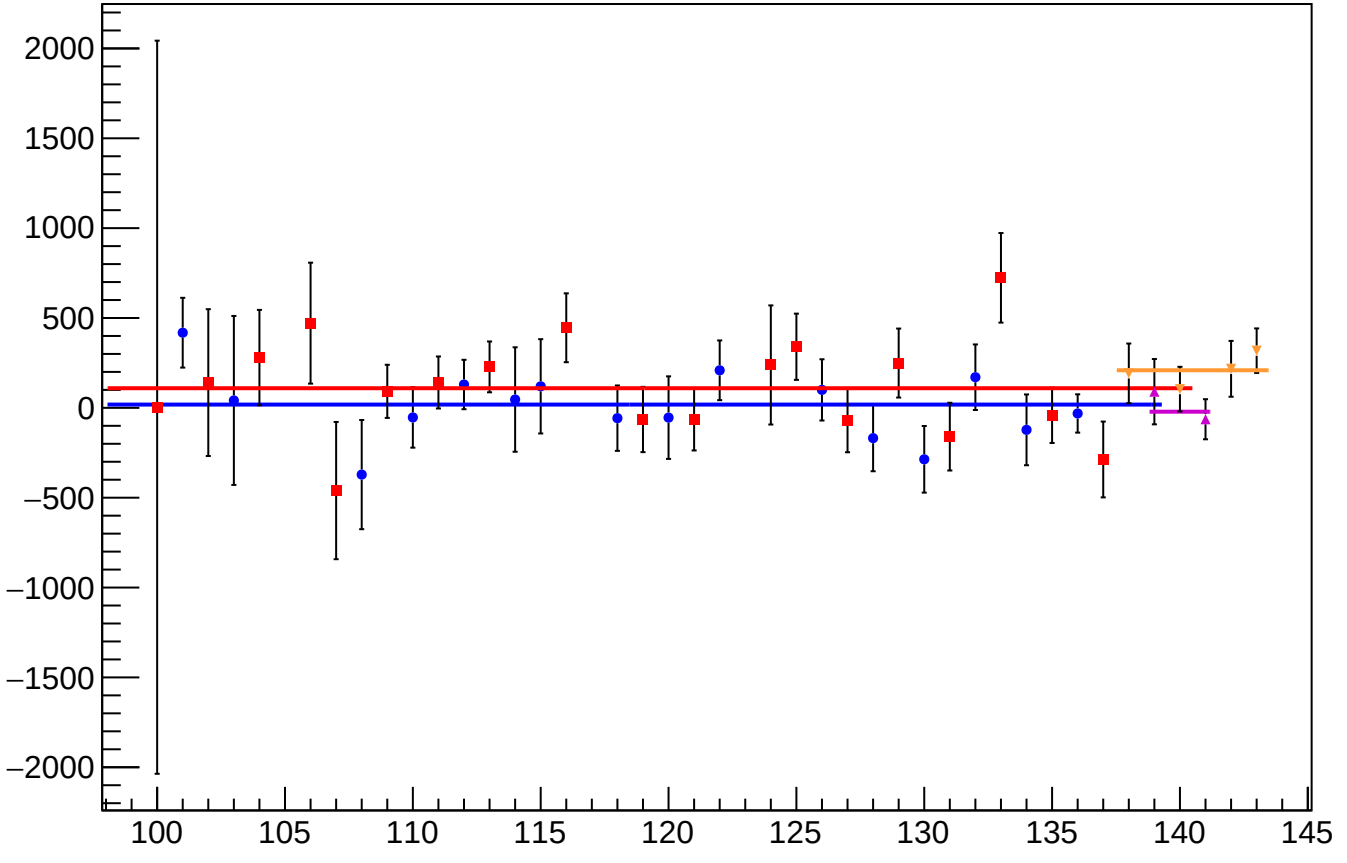
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1409.437+/-0.348 χ^2/NDF:1329616.1/17

Out: 1321.713+/-0.305 χ^2/NDF:1651914.4/22

All: 1359.736+/-0.229 χ^2/NDF: 3017467.4/40

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.148+/-69.383 χ^2/NDF:1.5/3

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: 128.994+/-56.043 χ^2/NDF: 5.9/5

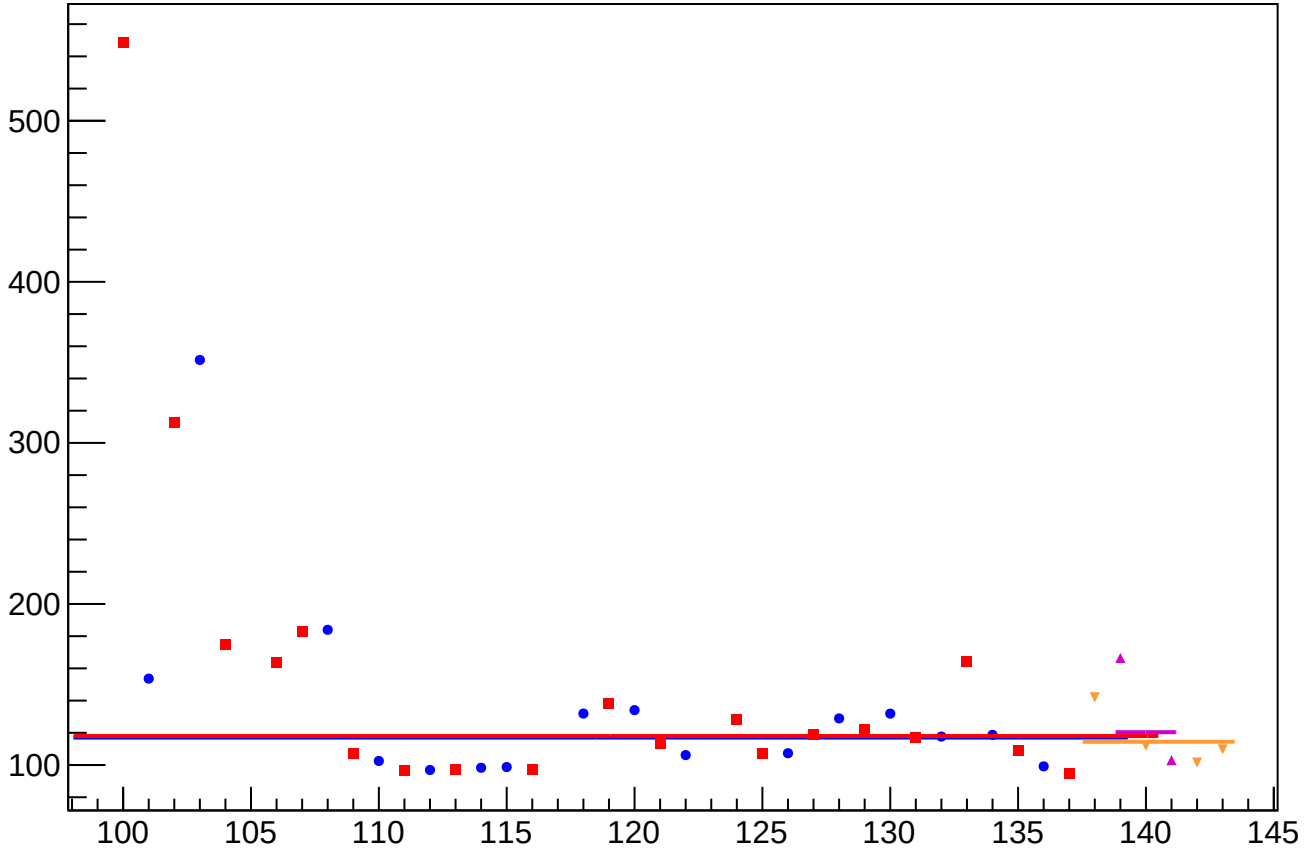
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 10.746+/-41.190 χ^2/NDF:14.5/17

Out: 139.525+/-38.239 χ^2/NDF:28.4/22

All: 79.913+/-28.025 χ^2/NDF: 48.1/40

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

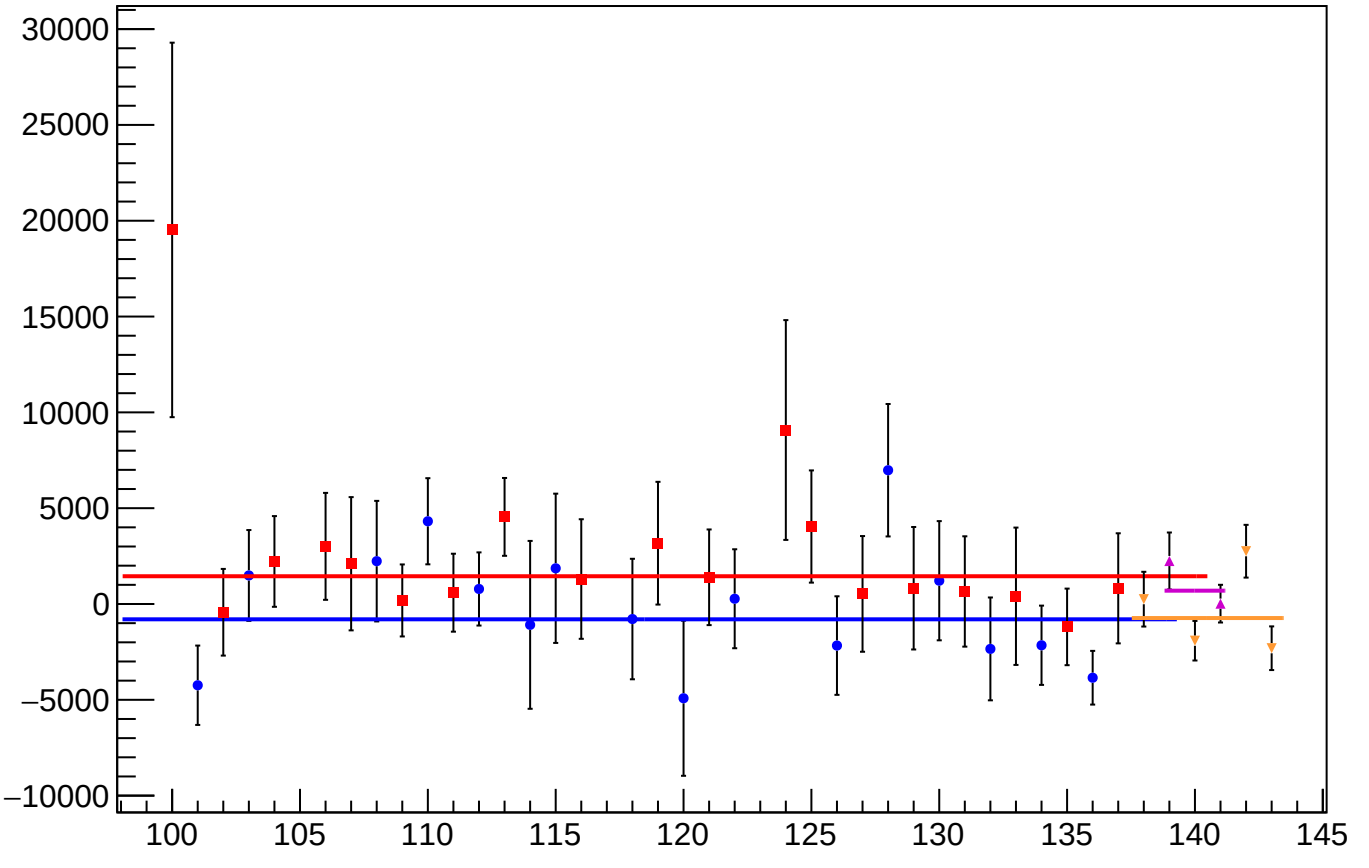
Left: 116.503+/-0.040 χ^2/NDF: 254797.3/5

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 117.685+/-0.029 χ^2/NDF:1037420.3/17

Out: 116.923+/-0.027 χ^2/NDF:1062897.2/22

All: 117.275+/-0.020 χ^2/NDF: 2100685.2/40



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -732.895+/-605.596 χ^2/NDF:10.1/3

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 695.246+/-820.343 χ^2/NDF:1.6/1

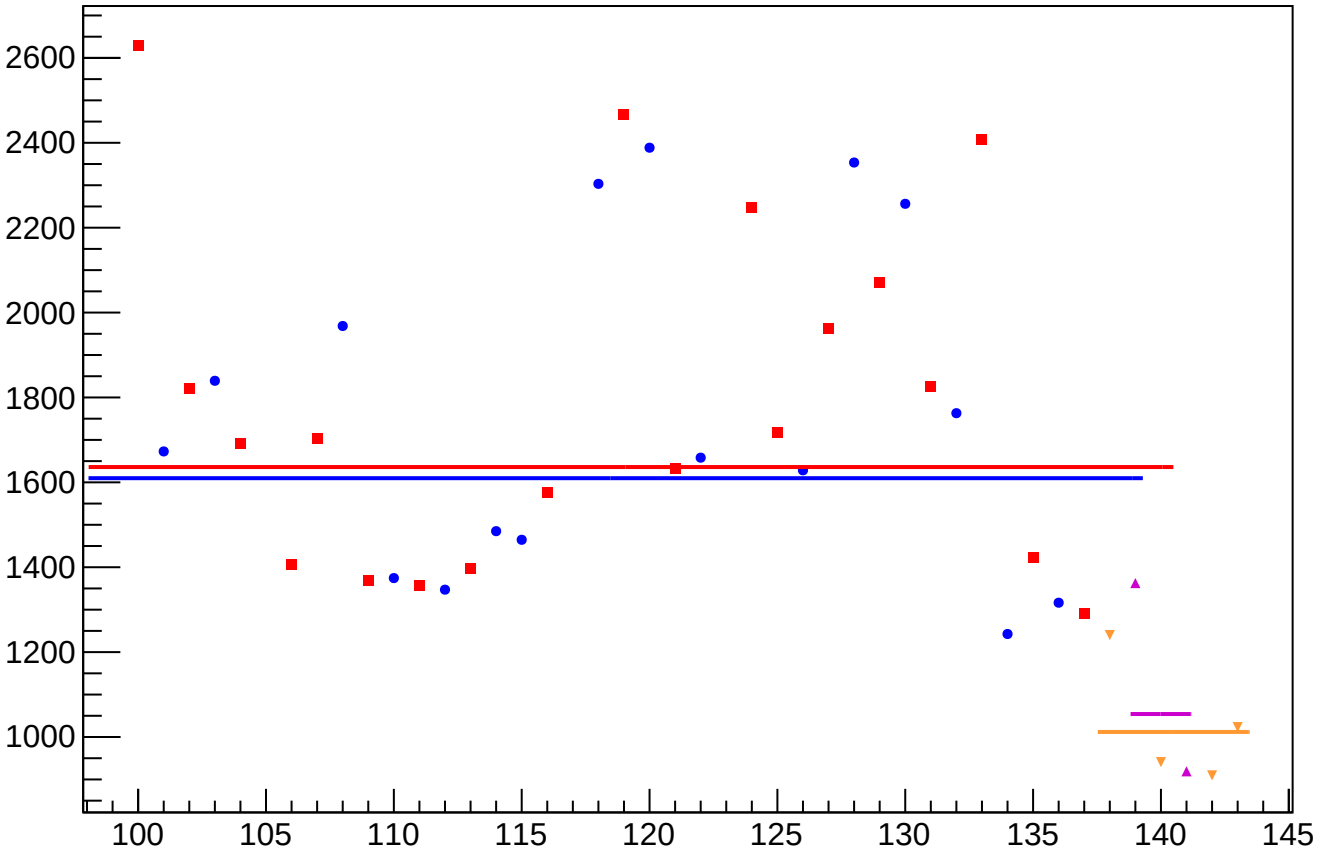
Left: -229.134+/-487.217 χ^2/NDF: 13.6/5

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -260.300+/-492.593 χ^2/NDF:27.1/17

Out: 341.952+/-431.315 χ^2/NDF:29.0/22

All: 80.595+/-324.501 χ^2/NDF: 56.9/40



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1011.906+/-0.428 χ^2/NDF:71863.9/3

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 1054.139+/-0.580 χ^2/NDF:123764.9/1

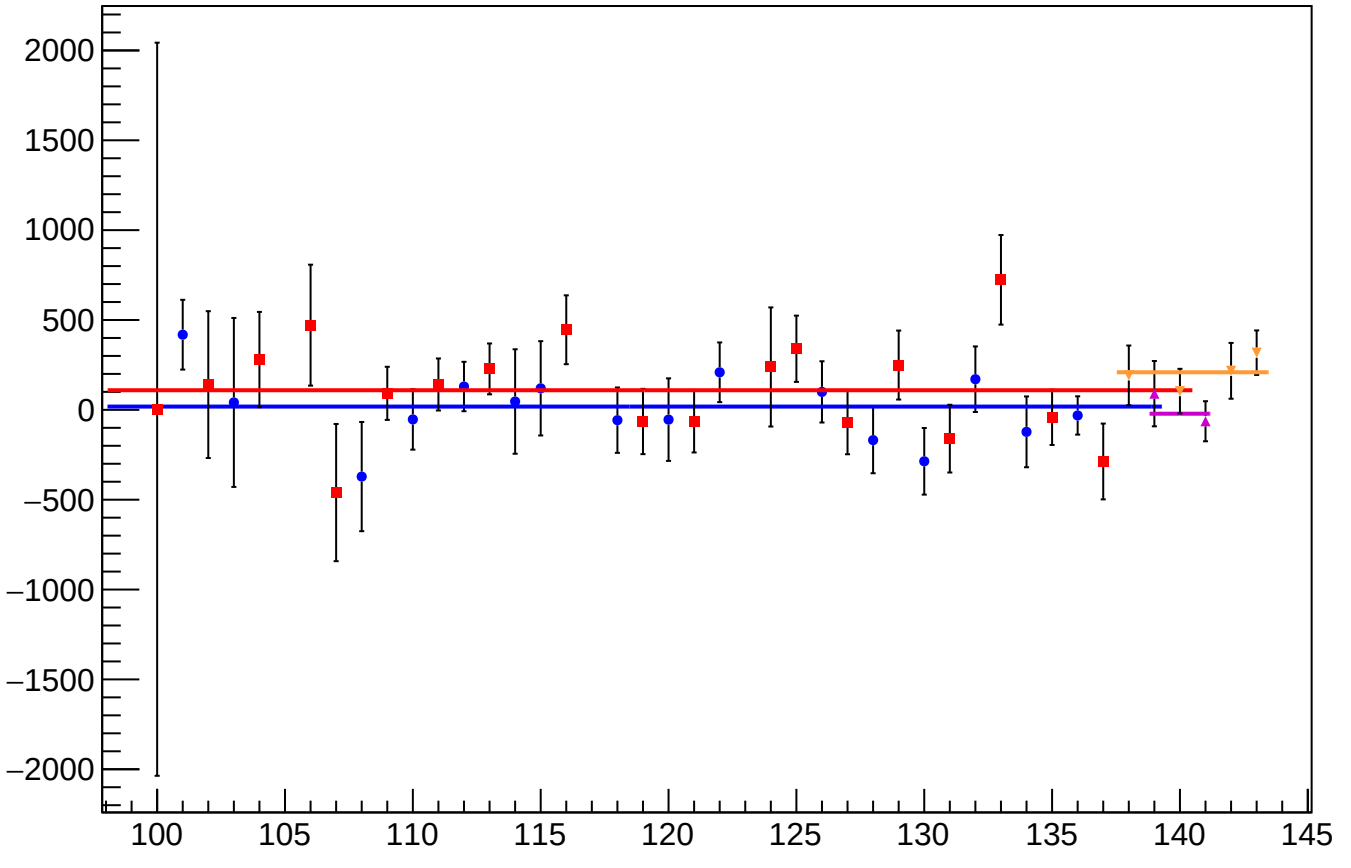
Left: 1026.803+/-0.345 χ^2/NDF: 199059.7/5

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1409.441+/-0.348 χ^2/NDF:1329656.0/17

Out: 1319.450+/-0.305 χ^2/NDF:1646448.2/22

All: 1358.503+/-0.229 χ^2/NDF: 3013887.3/40



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 209.148+/-69.383 χ^2/NDF:1.5/3

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: 128.994+/-56.043 χ^2/NDF: 5.9/5

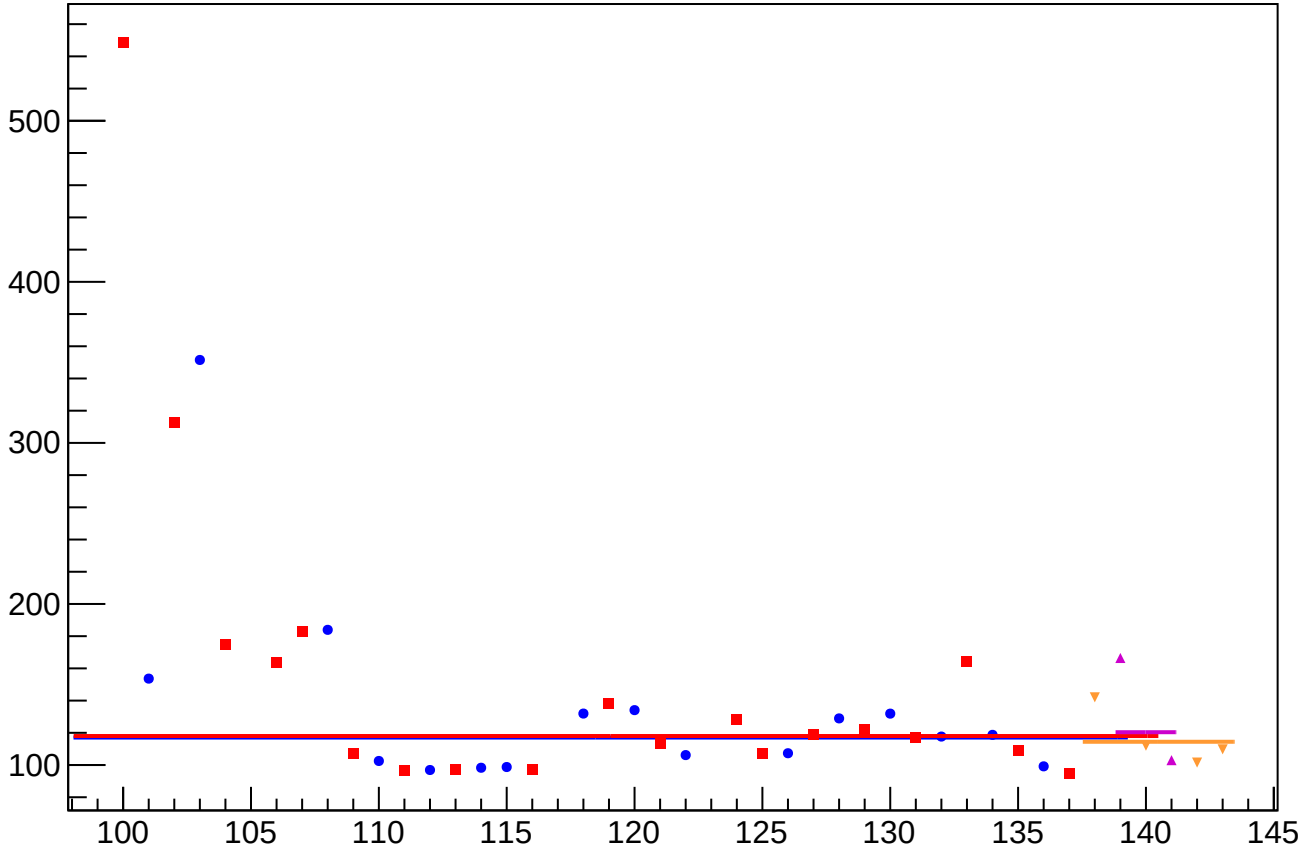
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 10.746+/-41.190 χ^2/NDF:14.5/17

Out: 139.525+/-38.239 χ^2/NDF:28.4/22

All: 79.913+/-28.025 χ^2/NDF: 48.1/40

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 114.440+/-0.049 χ^2/NDF:72665.0/3

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 120.376+/-0.067 χ^2/NDF:177044.0/1

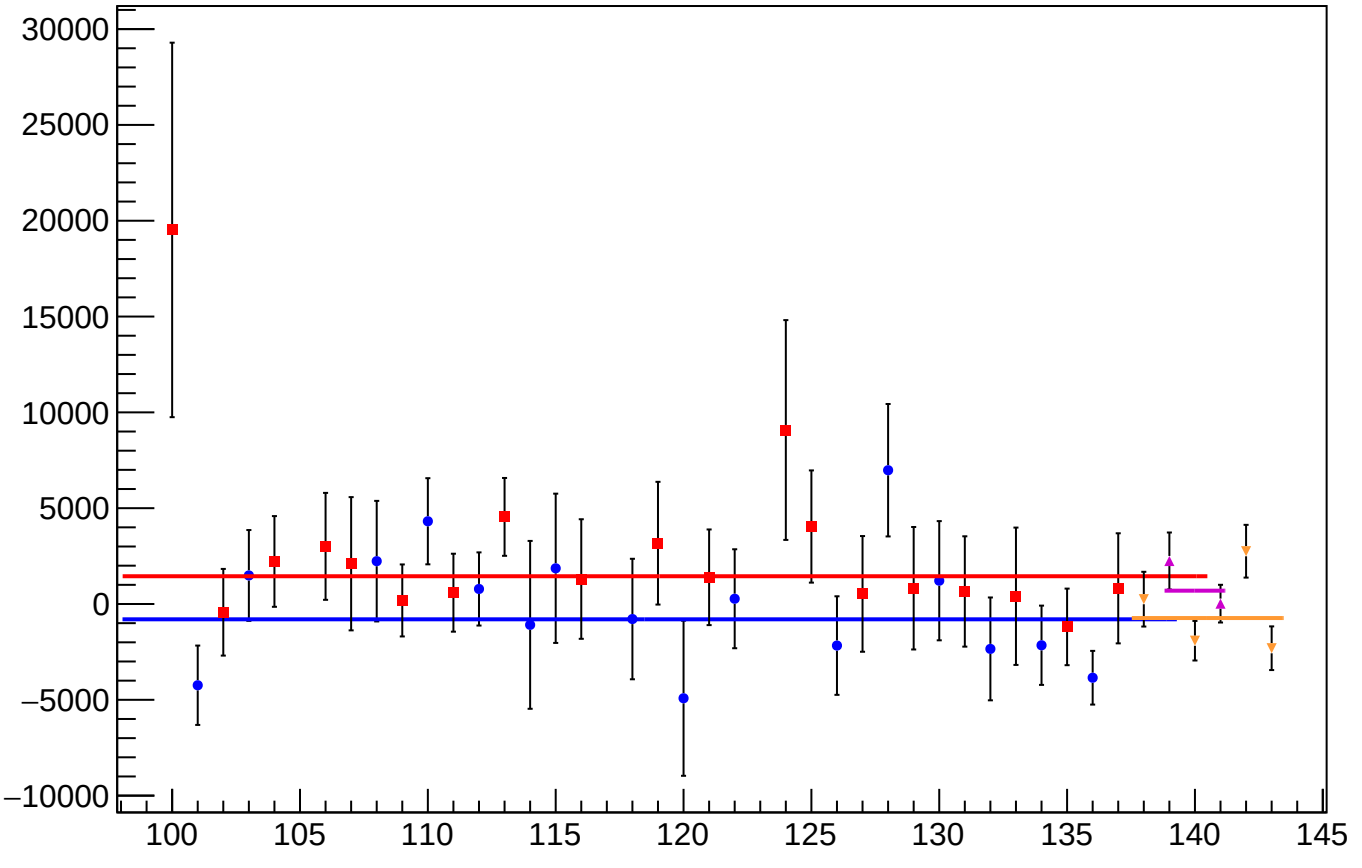
Left: 116.503+/-0.040 χ^2/NDF: 254797.3/5

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 117.685+/-0.029 χ^2/NDF:1037420.3/17

Out: 116.923+/-0.027 χ^2/NDF:1062897.2/22

All: 117.275+/-0.020 χ^2/NDF: 2100685.2/40



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -732.895+/-605.596 χ^2/NDF:10.1/3

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 695.246+/-820.343 χ^2/NDF:1.6/1

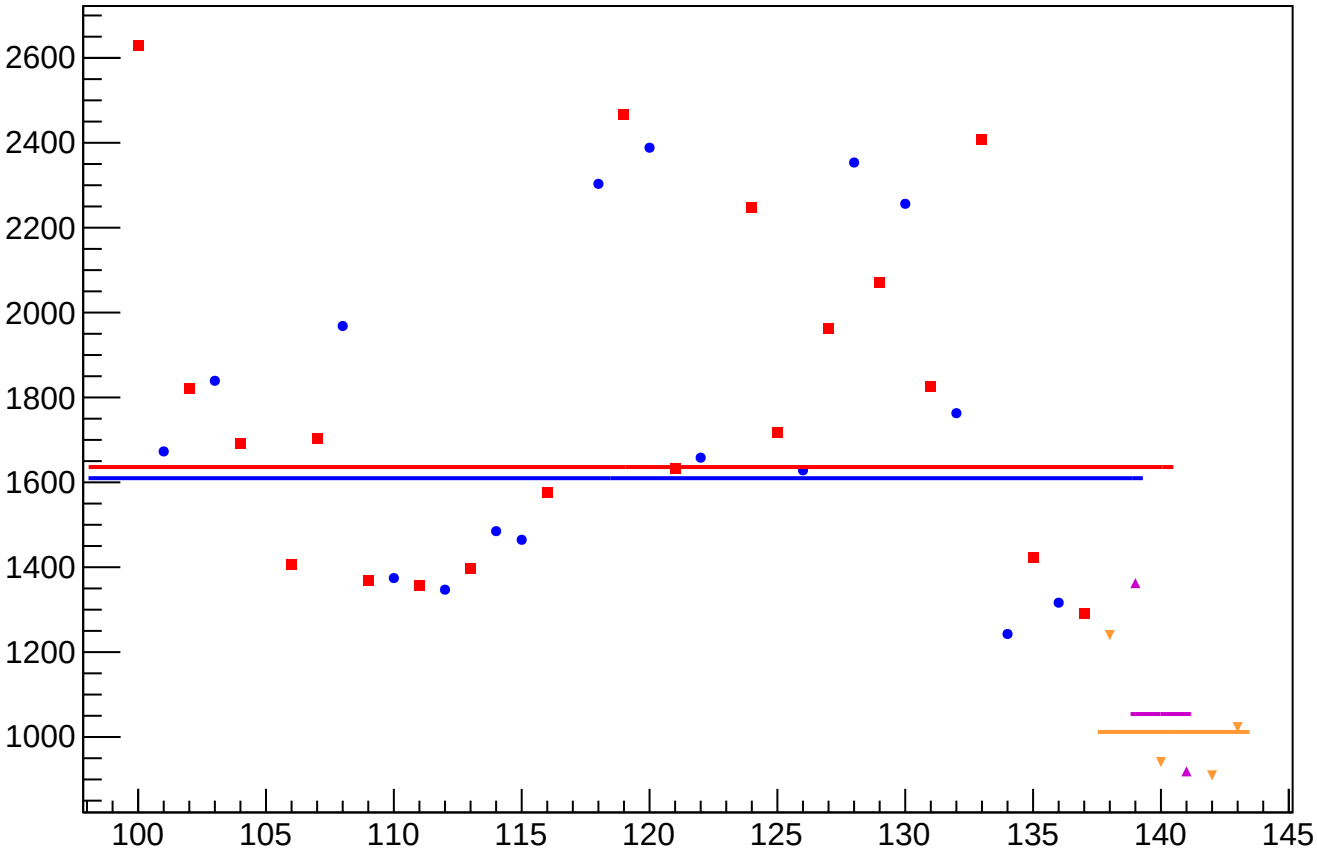
Left: -229.134+/-487.217 χ^2/NDF: 13.6/5

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -260.300+/-492.593 χ^2/NDF:27.1/17

Out: 341.952+/-431.315 χ^2/NDF:29.0/22

All: 80.595+/-324.501 χ^2/NDF: 56.9/40



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 1011.906+/-0.428 χ^2/NDF:71863.9/3

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 1054.139+/-0.580 χ^2/NDF:123764.9/1

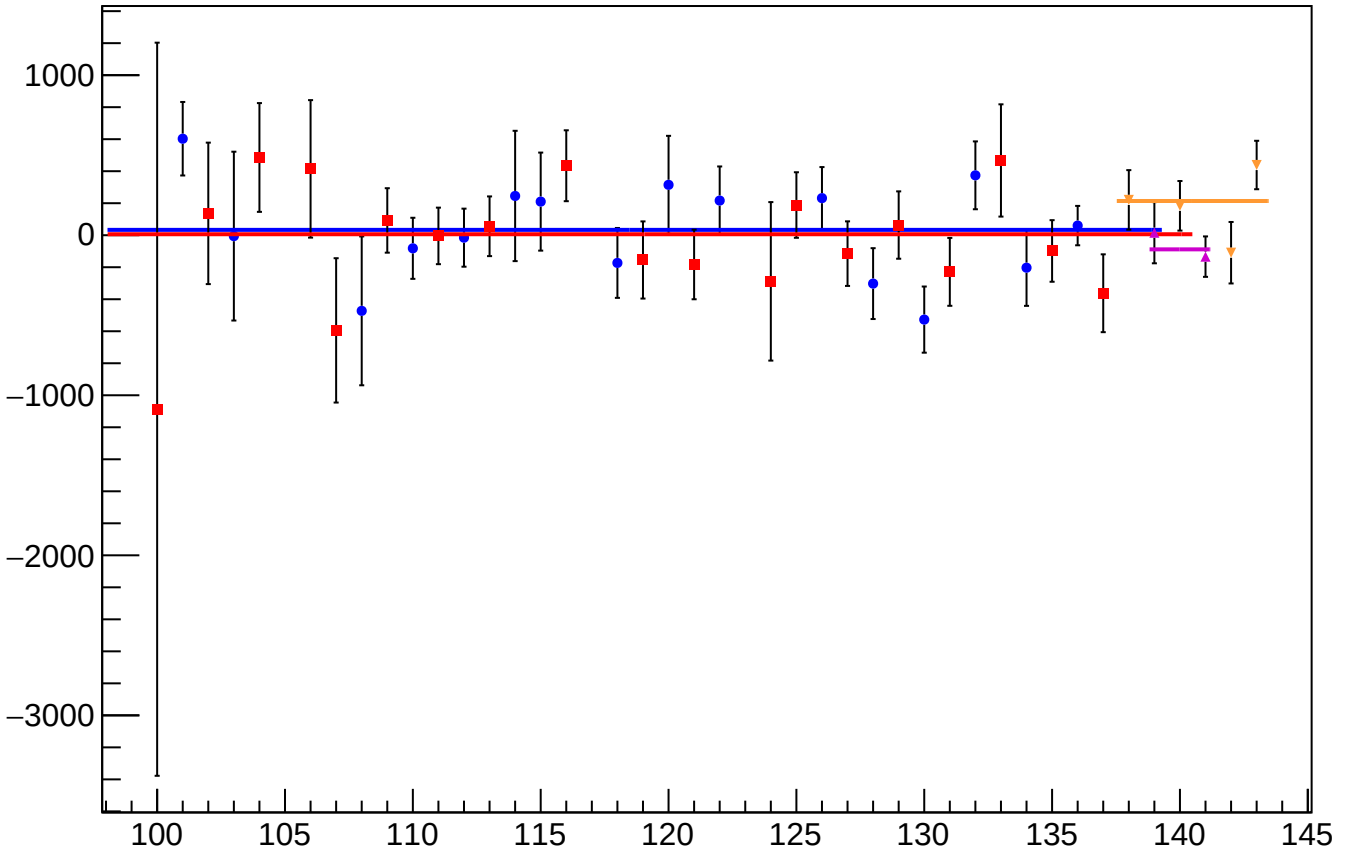
Left: 1026.803+/-0.345 χ^2/NDF: 199059.7/5

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1409.441+/-0.348 χ^2/NDF:1329656.0/17

Out: 1319.450+/-0.305 χ^2/NDF:1646448.2/22

All: 1358.503+/-0.229 χ^2/NDF: 3013887.3/40



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 213.838+/-84.114 χ^2/NDF:5.1/3

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: 96.279+/-65.748 χ^2/NDF: 10.5/5

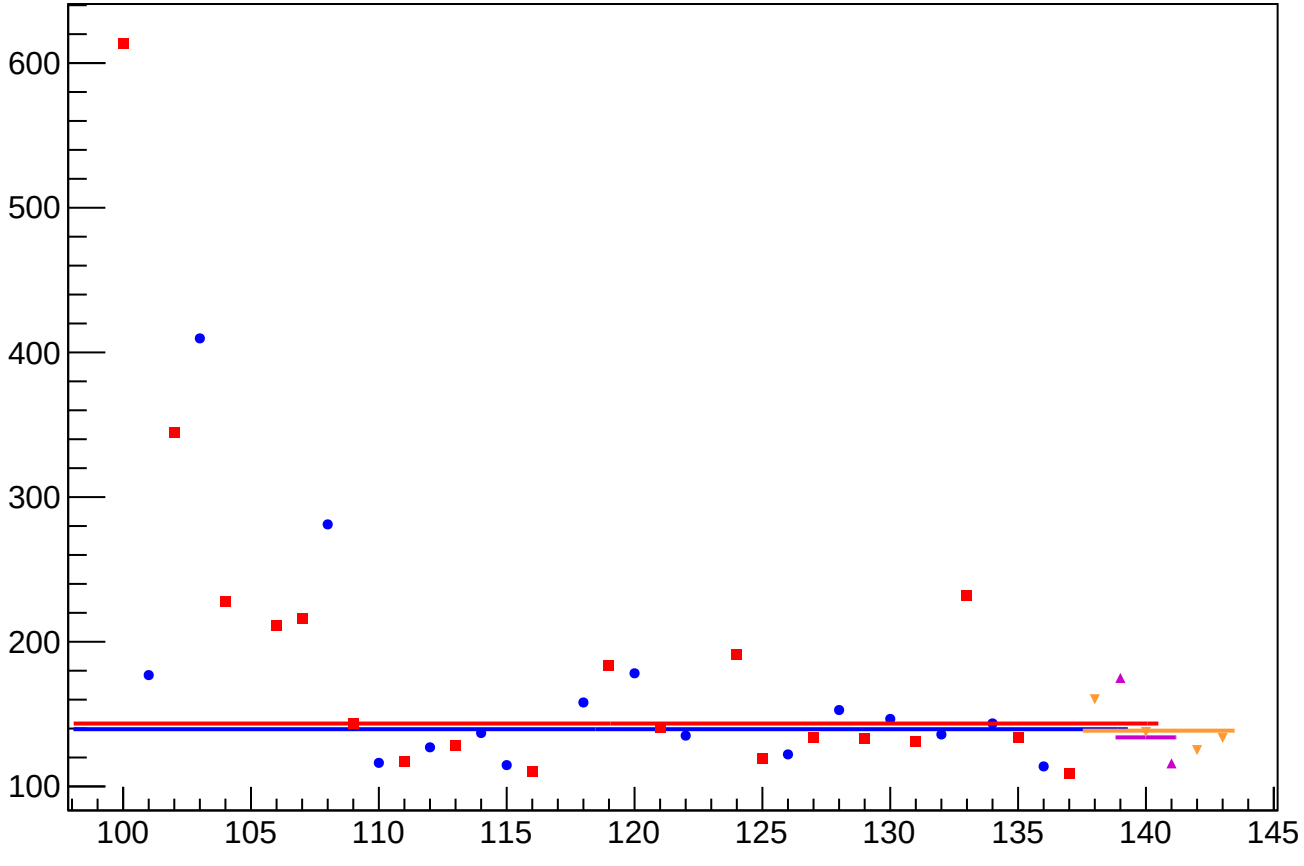
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 7.471+/-48.698 χ^2/NDF:26.7/17

Out: 70.046+/-46.666 χ^2/NDF:26.6/22

All: 40.091+/-33.693 χ^2/NDF: 54.1/40

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 138.558+/-0.059 χ^2/NDF:39239.3/3

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 133.916+/-0.075 χ^2/NDF:132767.9/1

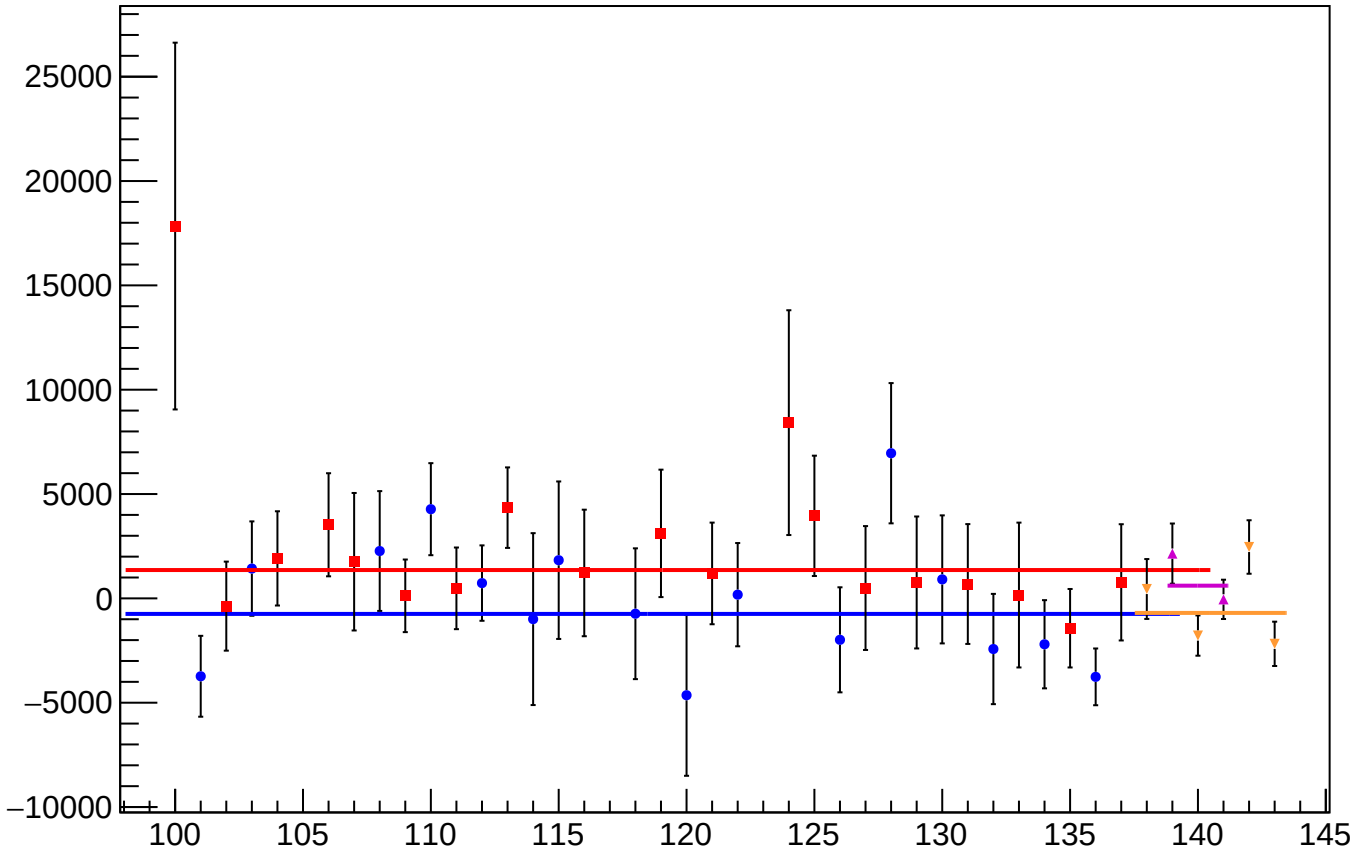
Left: 136.752+/-0.046 χ^2/NDF: 174376.3/5

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 138.361+/-0.034 χ^2/NDF:1114022.3/17

Out: 141.964+/-0.033 χ^2/NDF:1160651.0/22

All: 140.239+/-0.024 χ^2/NDF: 2280383.0/40



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -696.892+/-572.196 χ^2/NDF:9.9/3

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 608.641+/-788.400 χ^2/NDF:1.6/1

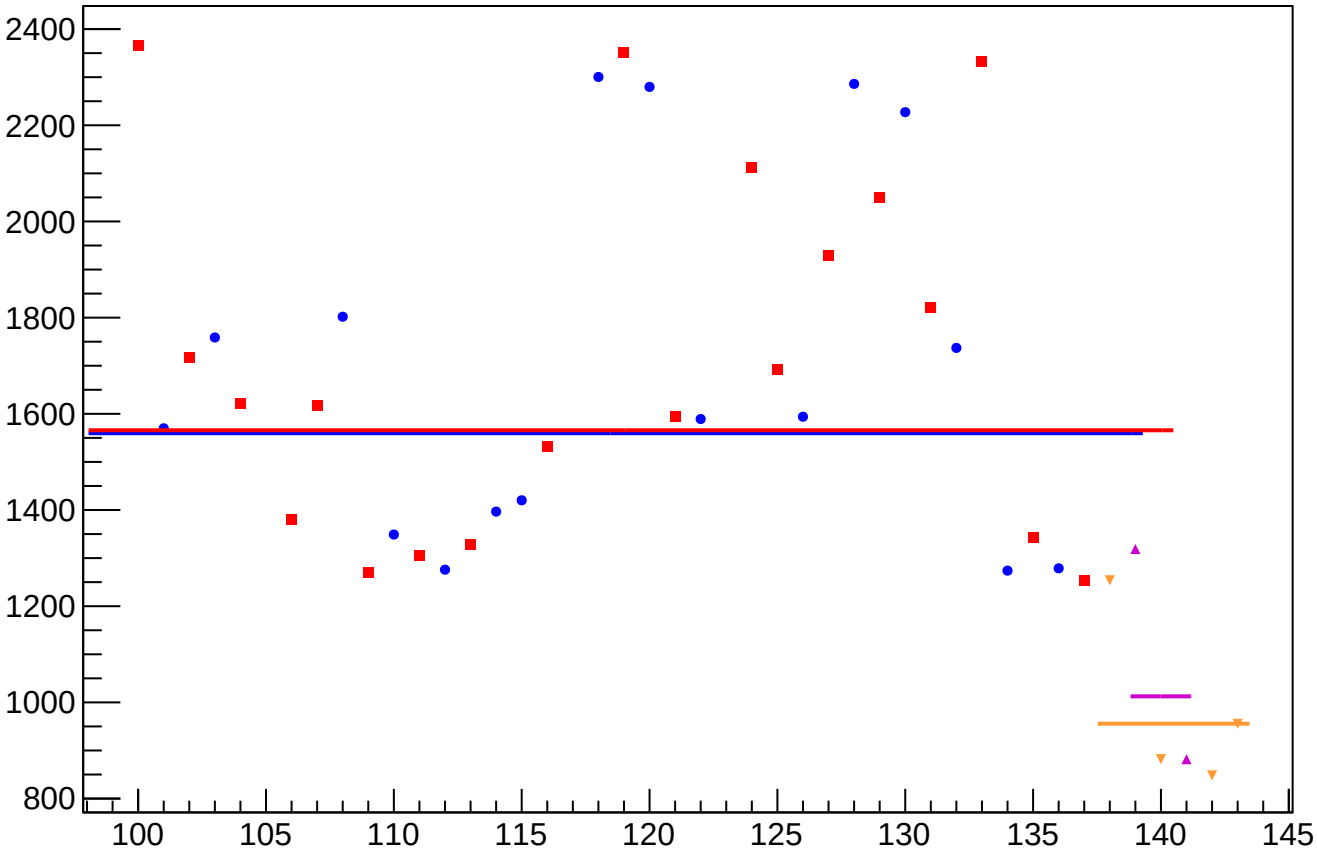
Left: -246.470+/-463.087 χ^2/NDF: 13.3/5

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -252.737+/-475.340 χ^2/NDF:27.0/17

Out: 306.341+/-409.332 χ^2/NDF:29.8/22

All: 68.286+/-310.175 χ^2/NDF: 57.5/40



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 955.678+/-0.405 χ^2/NDF:111983.0/3

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 1012.579+/-0.557 χ^2/NDF:128865.8/1

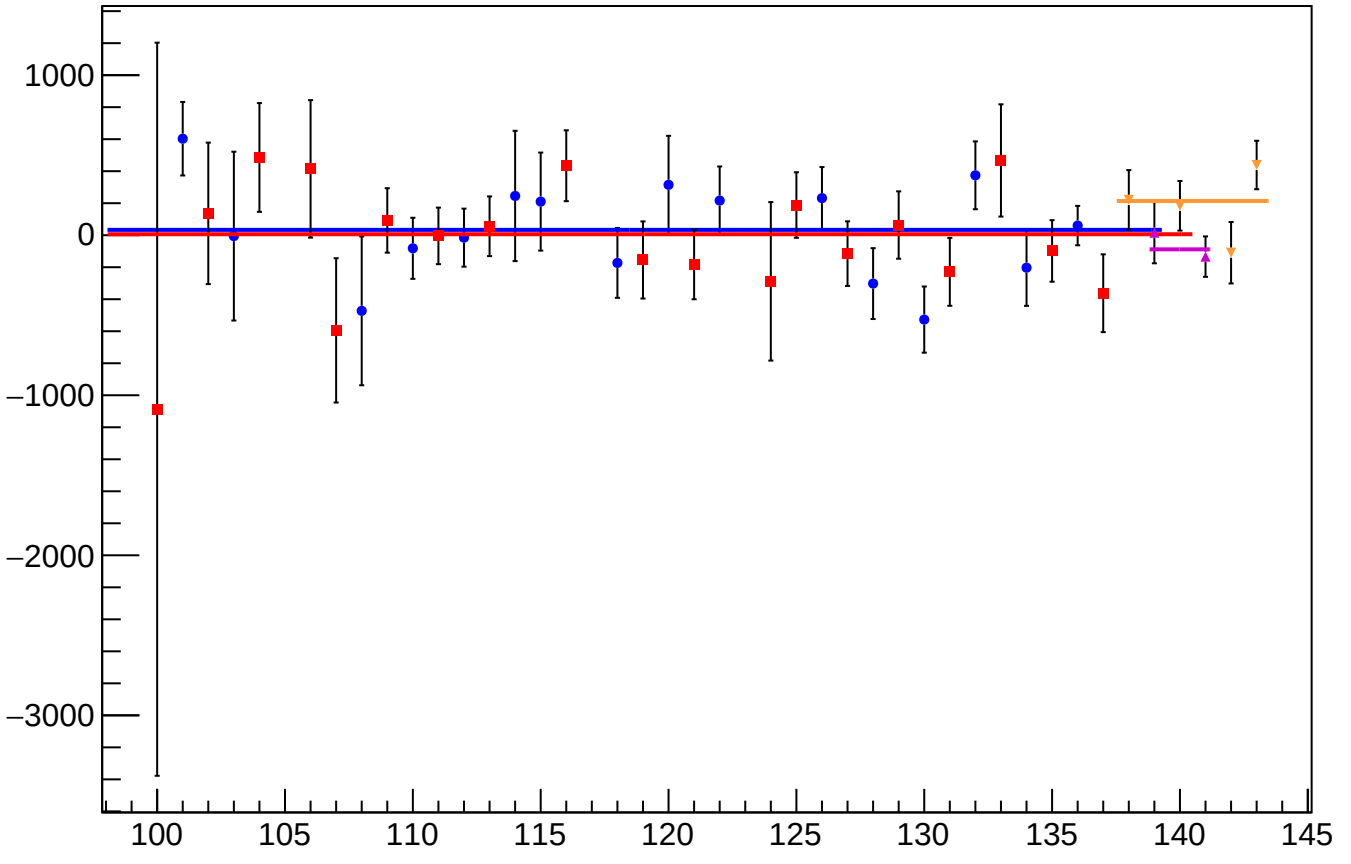
Left: 975.309+/-0.327 χ^2/NDF: 247672.4/5

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1360.839+/-0.336 χ^2/NDF:1346204.9/17

Out: 1253.572+/-0.289 χ^2/NDF:1786090.4/22

All: 1299.247+/-0.219 χ^2/NDF: 3190776.9/40



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 213.838+/-84.115 χ^2/NDF:5.1/3

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: 96.279+/-65.749 χ^2/NDF: 10.5/5

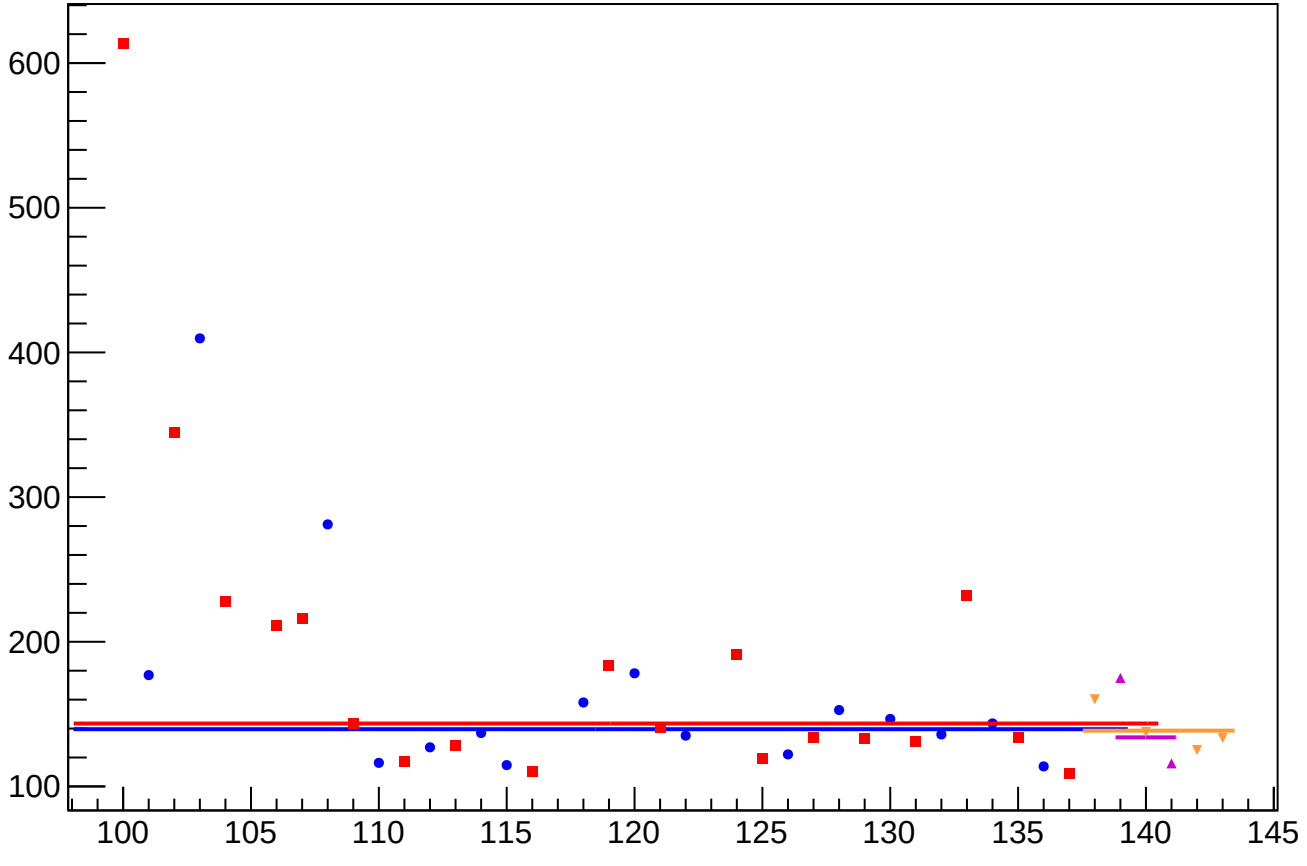
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 7.470+/-48.698 χ^2/NDF:26.7/17

Out: 70.043+/-46.666 χ^2/NDF:26.6/22

All: 40.089+/-33.693 χ^2/NDF: 54.1/40

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 138.558+/-0.059 χ^2/NDF:39239.0/3

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 133.916+/-0.075 χ^2/NDF:132765.0/1

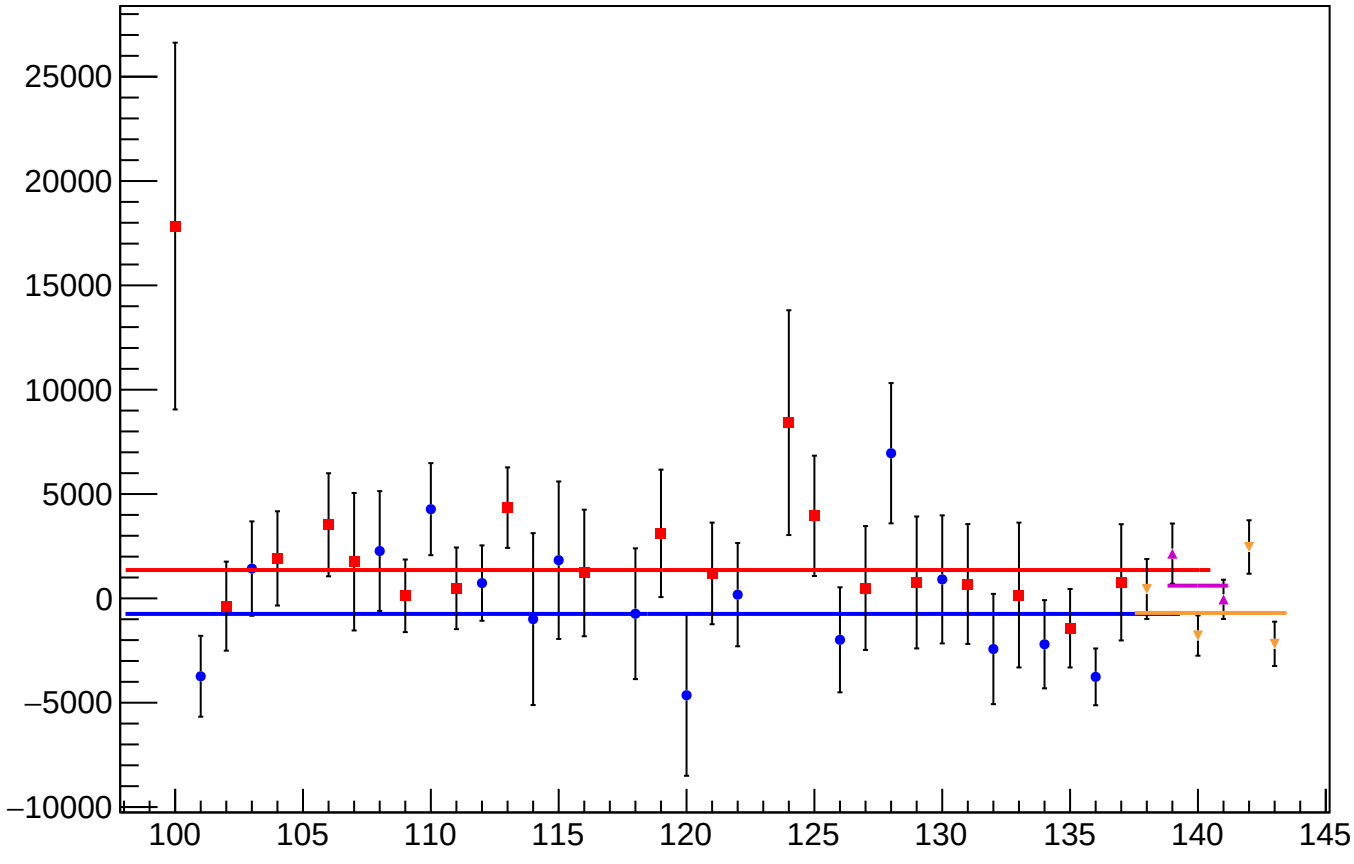
Left: 136.753+/-0.046 χ^2/NDF: 174373.5/5

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 138.361+/-0.034 χ^2/NDF:1114021.8/17

Out: 141.965+/-0.033 χ^2/NDF:1160656.6/22

All: 140.240+/-0.024 χ^2/NDF: 2280388.9/40



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -696.897+/-572.196 χ^2/NDF:9.9/3

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 608.641+/-788.400 χ^2/NDF:1.6/1

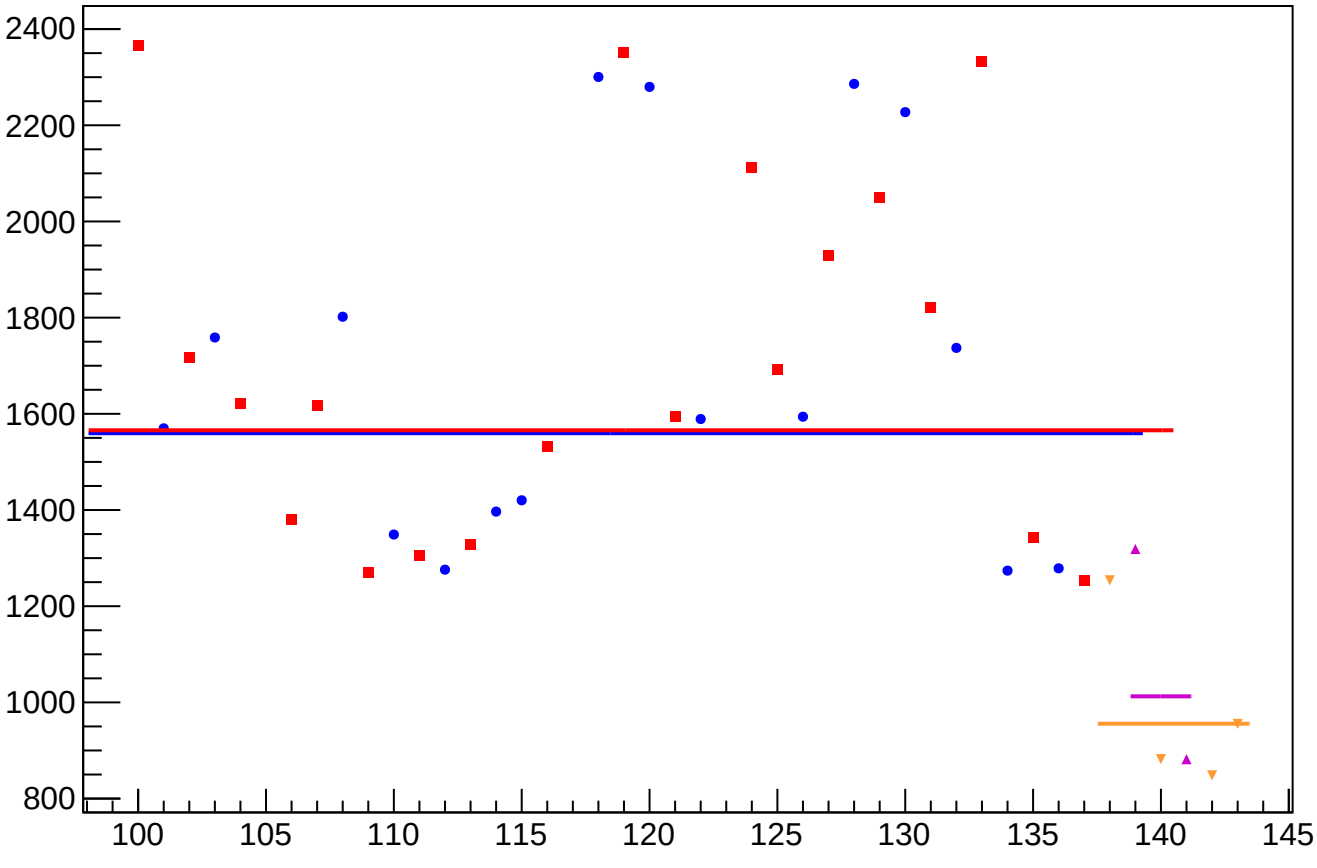
Left: -246.474+/-463.086 χ^2/NDF: 13.3/5

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -252.735+/-475.339 χ^2/NDF:27.0/17

Out: 306.339+/-409.331 χ^2/NDF:29.8/22

All: 68.285+/-310.175 χ^2/NDF: 57.5/40



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 955.677+/-0.405 χ^2/NDF:111984.1/3

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: 975.309+/-0.327 χ^2/NDF: 247674.9/5

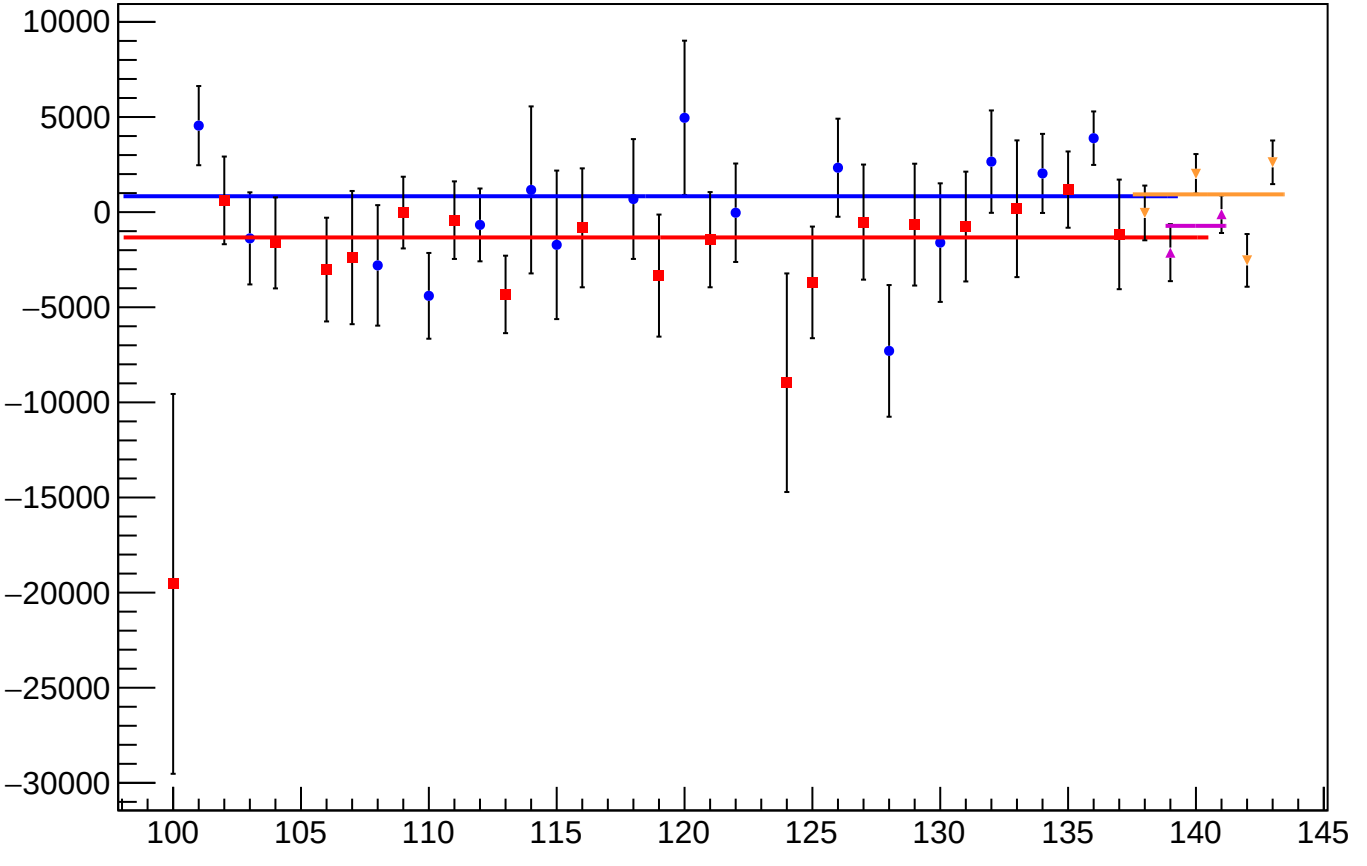
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1360.838+/-0.336 χ^2/NDF:1346205.5/17

Out: 1253.571+/-0.289 χ^2/NDF:1786087.8/22

All: 1299.245+/-0.219 χ^2/NDF: 3190775.4/40

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 934.027+/-609.745 χ^2/NDF:10.0/3

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: 350.319+/-490.567 χ^2/NDF: 13.8/5

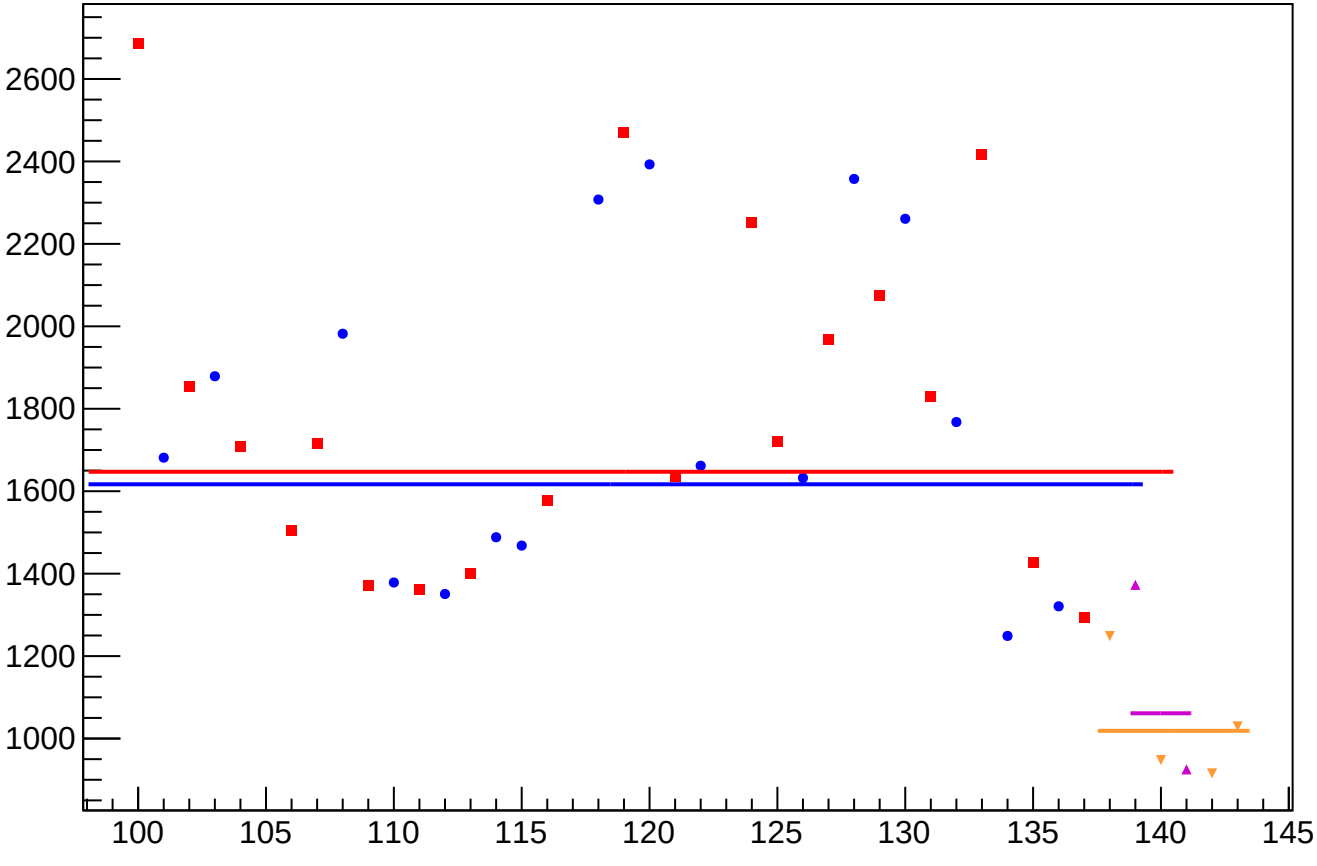
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 276.042+/-495.235 χ^2/NDF:28.4/17

Out: -185.419+/-433.498 χ^2/NDF:28.9/22

All: 14.771+/-326.186 χ^2/NDF: 57.8/40

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 1018.727+/-0.431 χ^2/NDF:71723.2/3

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 1061.294+/-0.584 χ^2/NDF:124302.8/1

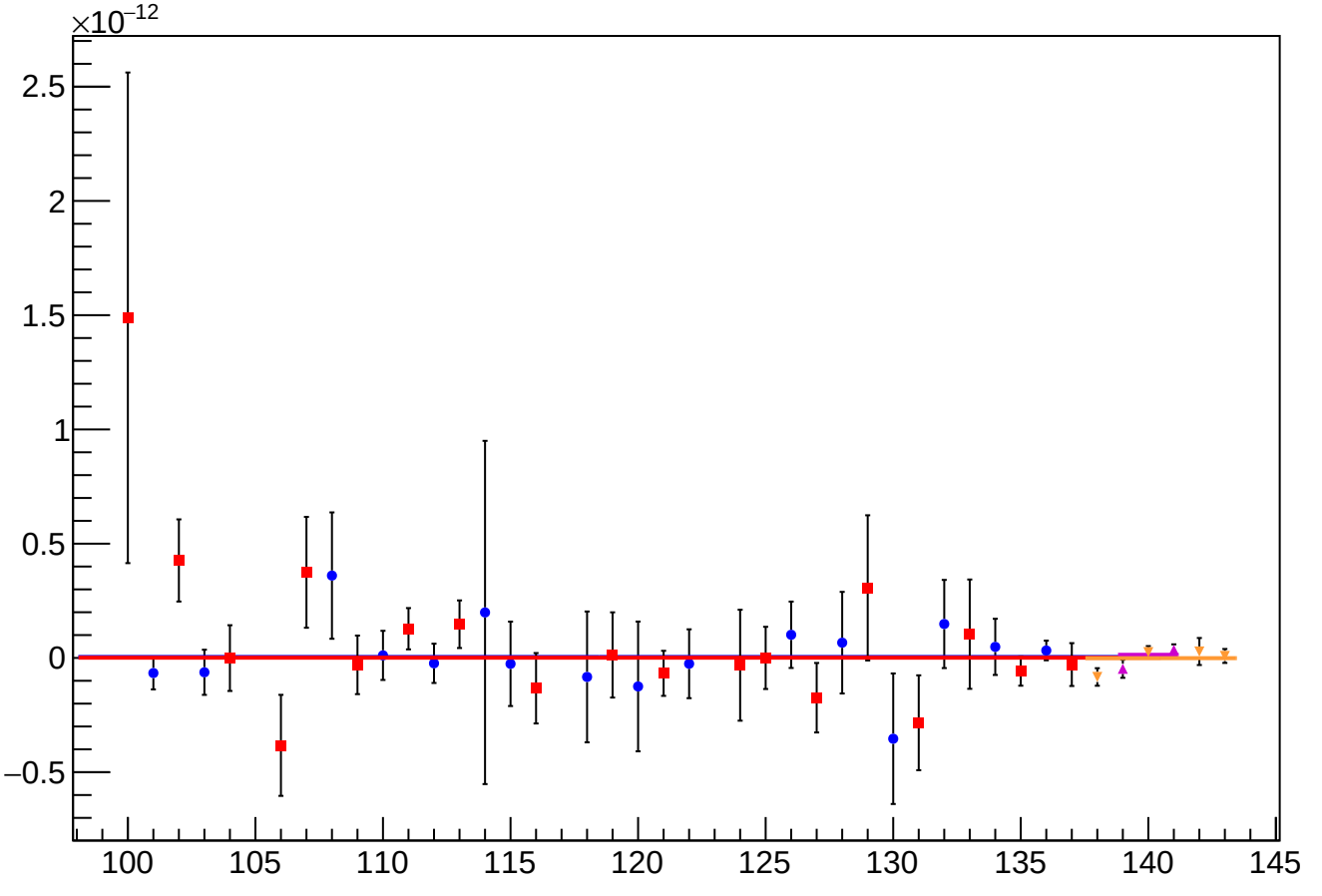
Left: 1033.741+/-0.347 χ^2/NDF: 199464.0/5

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1417.124+/-0.350 χ^2/NDF:1325982.1/17

Out: 1329.552+/-0.307 χ^2/NDF:1646466.5/22

All: 1367.542+/-0.231 χ^2/NDF: 3007855.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/1

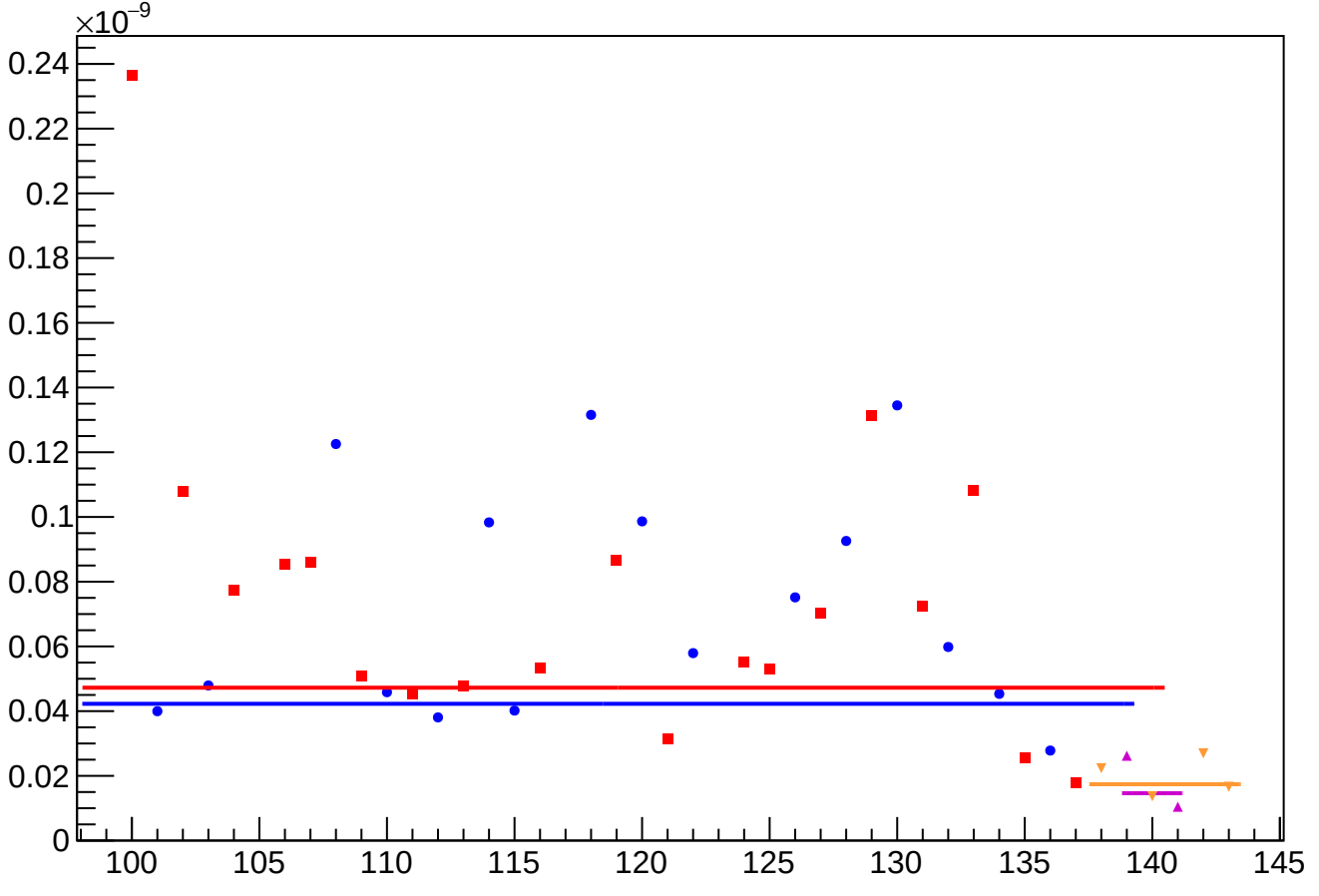
Left: 0.000+/-0.000 χ^2/NDF: 9.4/5

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:29.3/22

All: 0.000+/-0.000 χ^2/NDF: 39.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:125756.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:232315.4/1

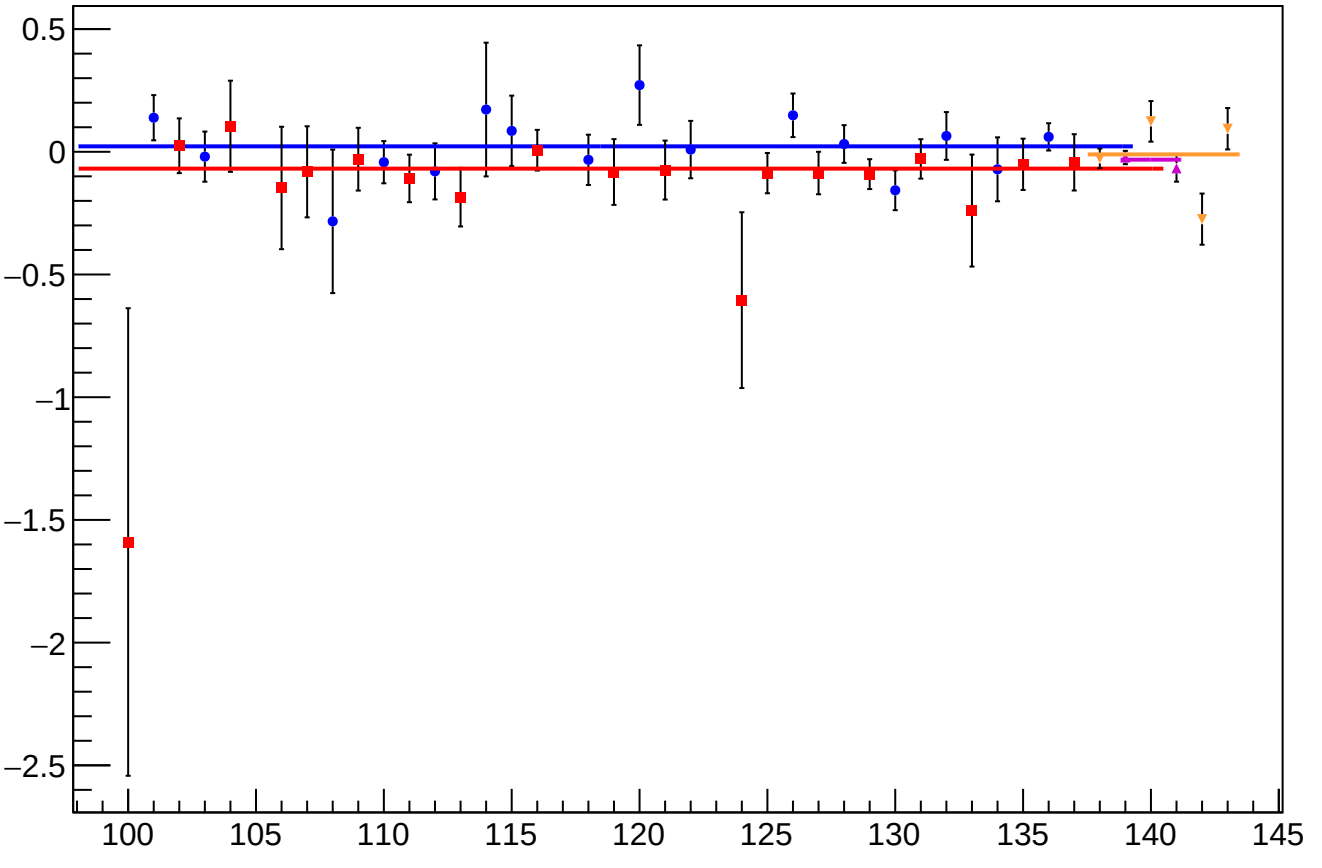
Left: 0.000+/-0.000 χ^2/NDF: 379988.1/5

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:3010072.6/22

All: 0.000+/-0.000 χ^2/NDF: 5709193.4/40



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

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: -0.024+/-0.019 χ^2/NDF: 11.6/5

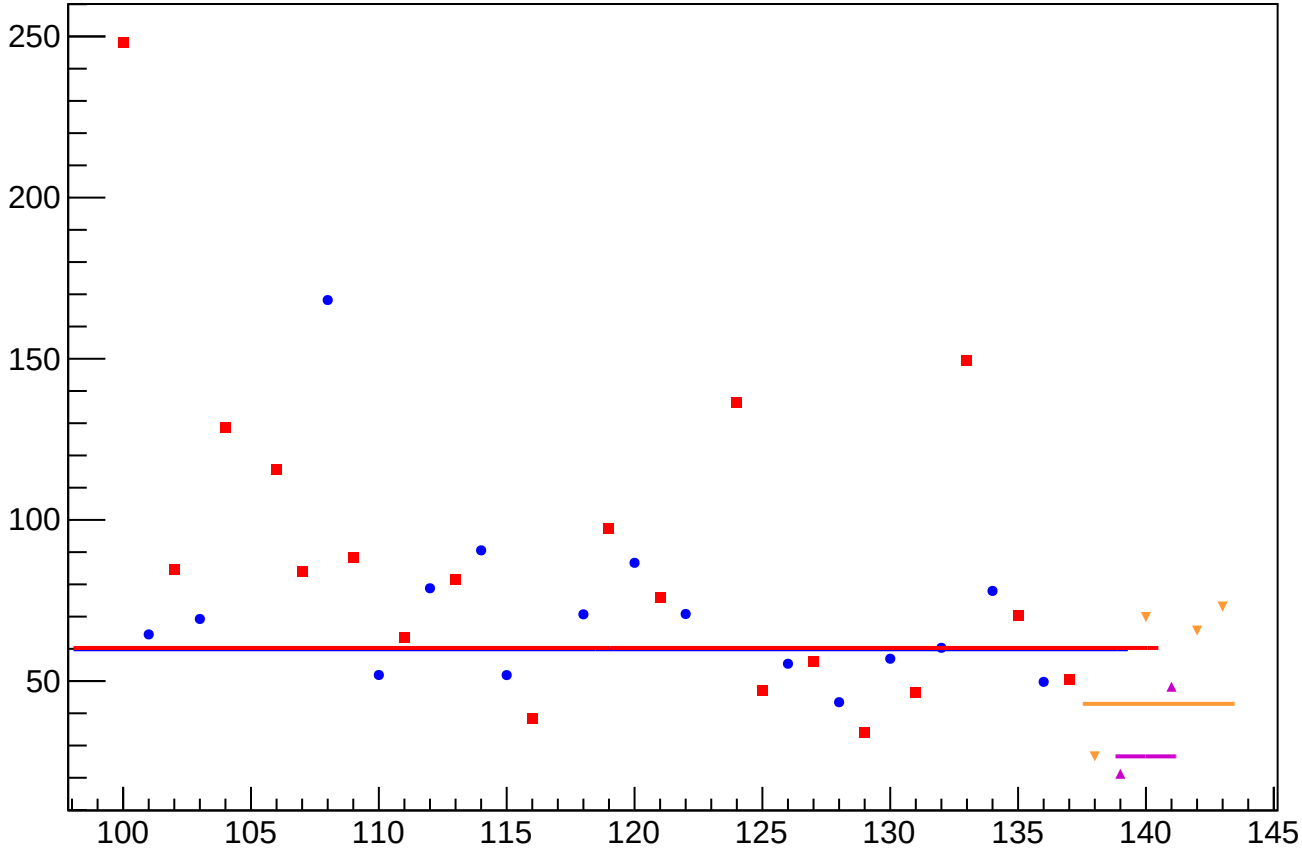
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.023+/-0.013 χ^2/NDF: 43.3/40

asym_sam3_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 42.932+/-0.022 χ^2/NDF:897880.8/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.634+/-0.017 χ^2/NDF:394522.7/1

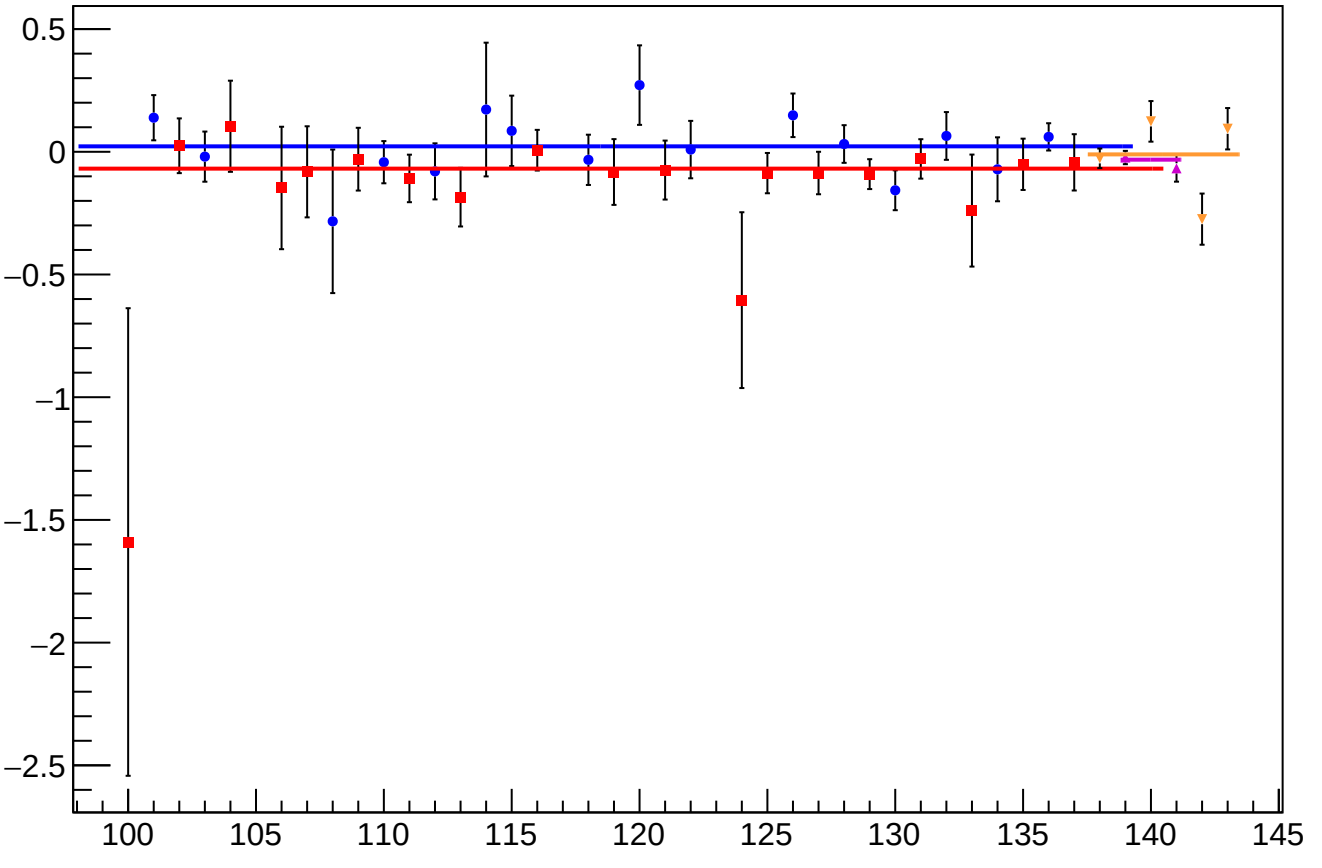
Left: 32.717+/-0.014 χ^2/NDF: 1628407.2/5

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 42.991+/-0.012 χ^2/NDF:2935865.5/17

Out: 53.477+/-0.014 χ^2/NDF:3244342.2/22

All: 47.558+/-0.009 χ^2/NDF: 6499797.4/40



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.032+/-0.024 χ^2/NDF:0.5/1

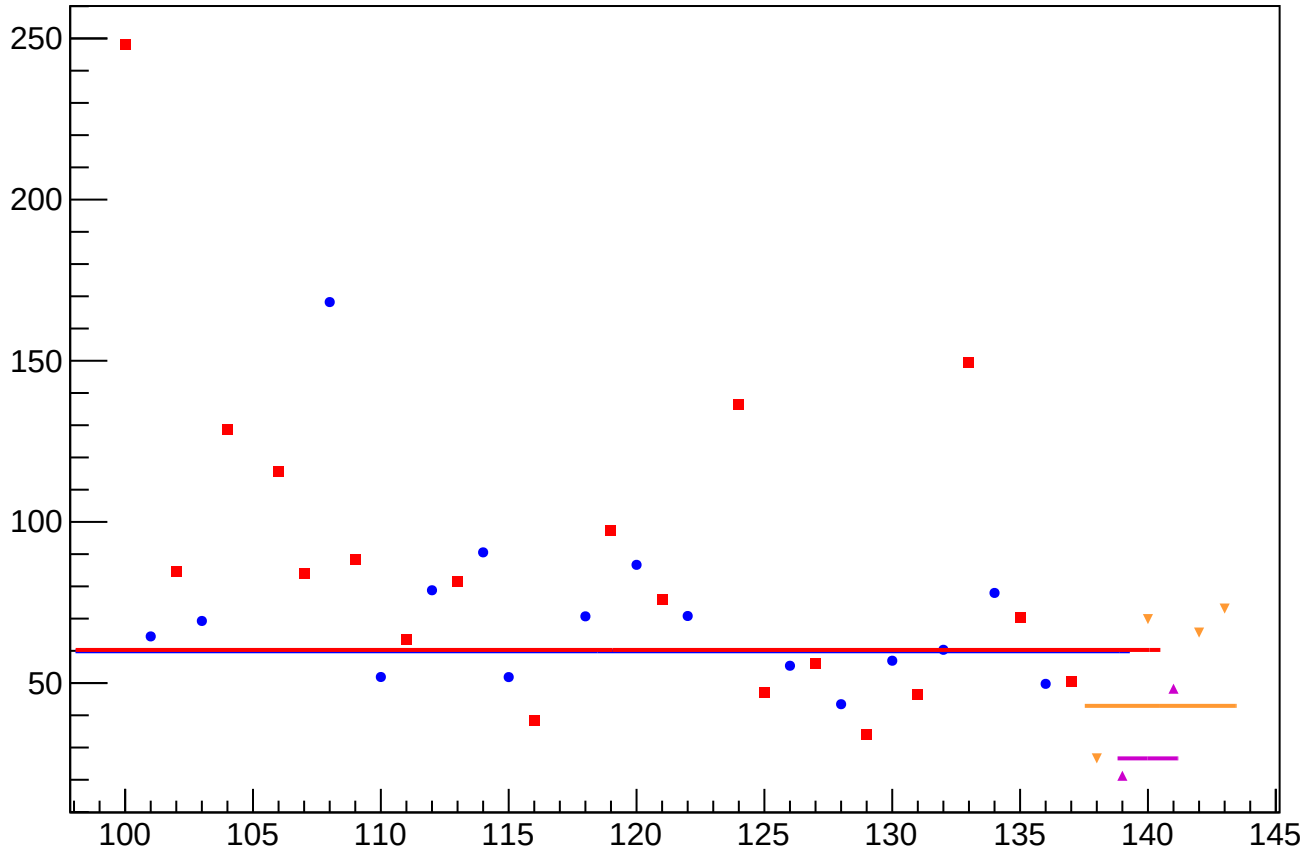
Left: -0.024+/-0.019 χ^2/NDF: 11.6/5

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.023+/-0.013 χ^2/NDF: 43.3/40



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 42.932+/-0.022 χ^2/NDF:897880.8/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 26.634+/-0.017 χ^2/NDF:394522.7/1

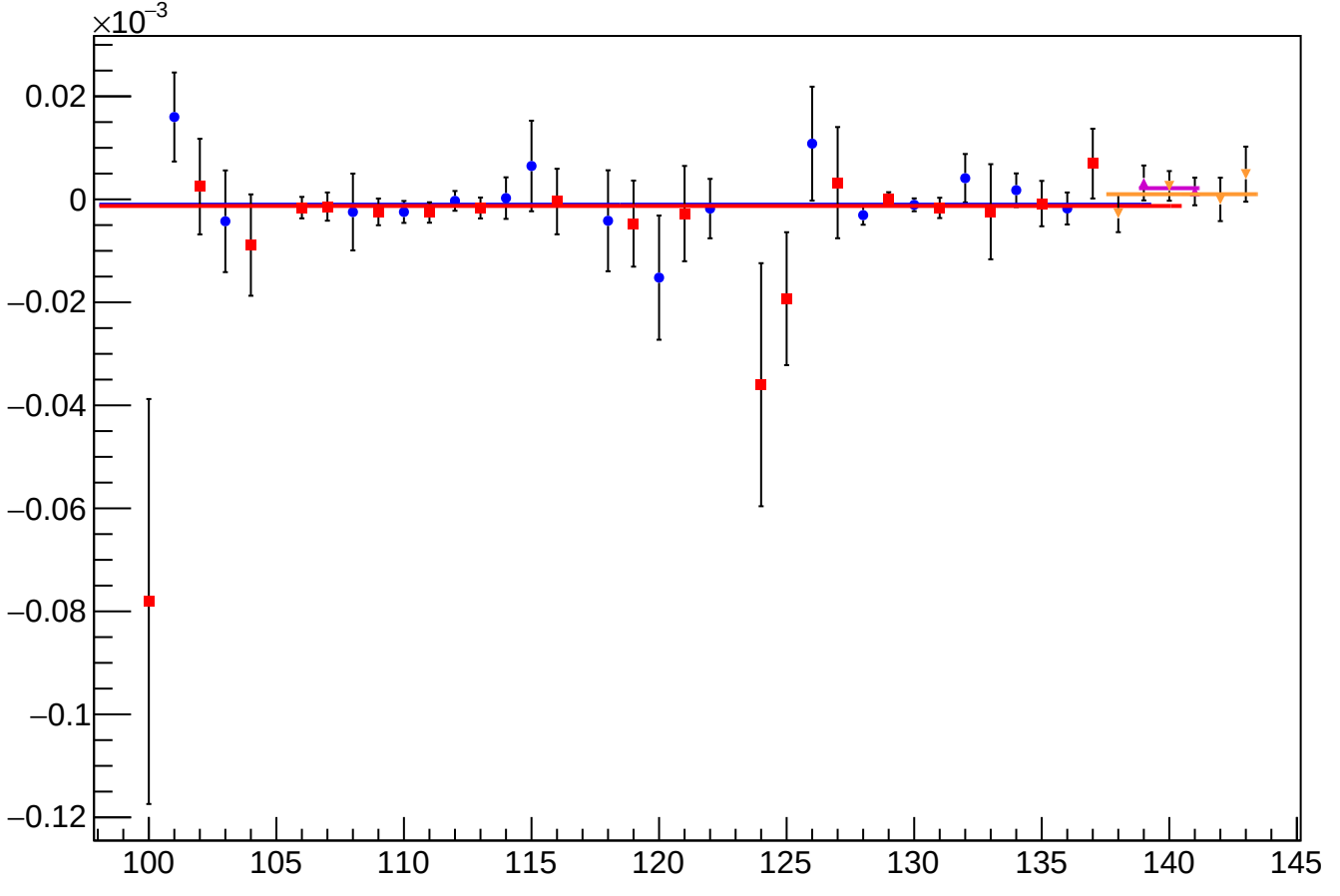
Left: 32.717+/-0.014 χ^2/NDF: 1628407.2/5

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 42.991+/-0.012 χ^2/NDF:2935865.5/17

Out: 53.477+/-0.014 χ^2/NDF:3244342.2/22

All: 47.558+/-0.009 χ^2/NDF: 6499797.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

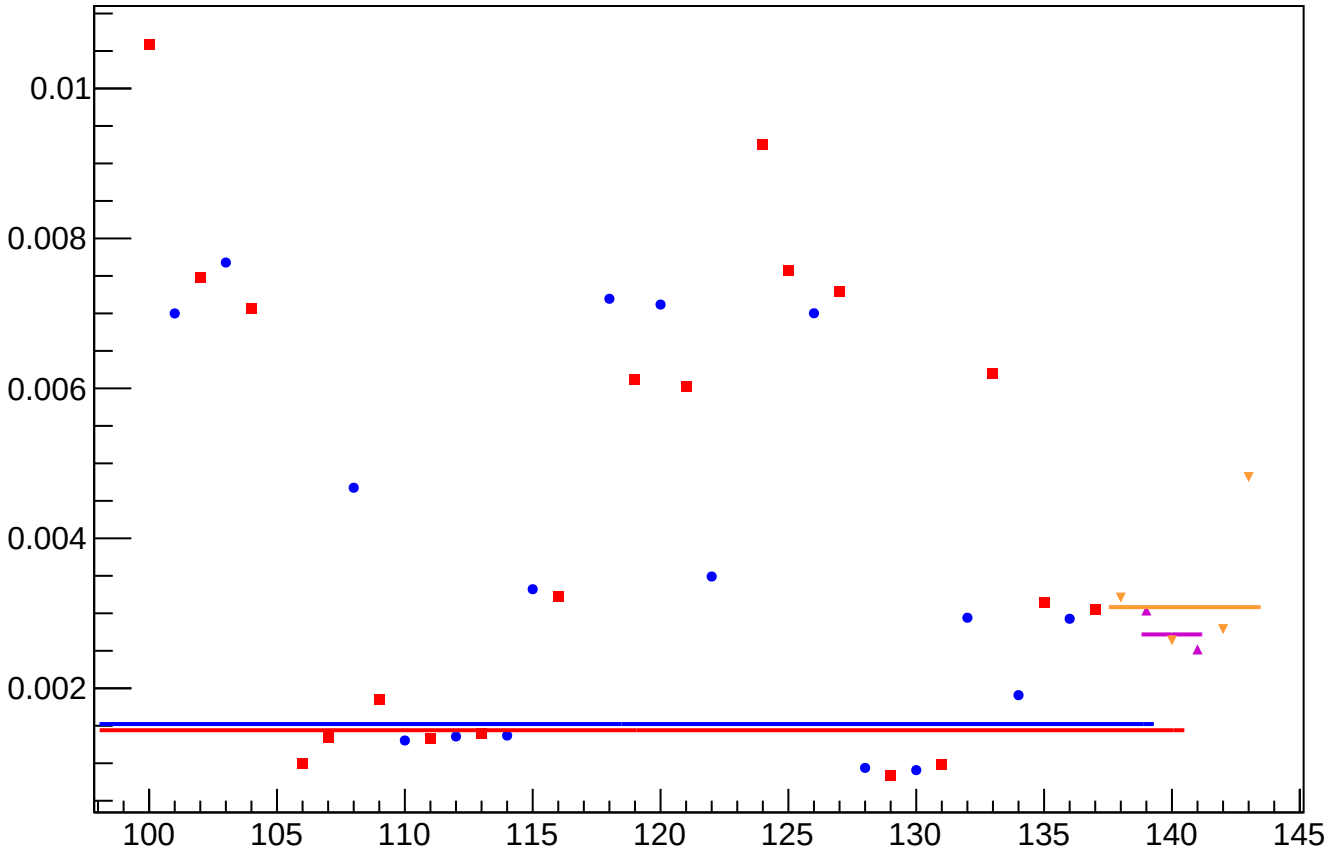
Left: 0.000+/-0.000 χ^2/NDF: 2.2/5

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:15.7/22

All: -0.000+/-0.000 χ^2/NDF: 29.3/40



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:270024.4/3

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.003+/-0.000 χ^2/NDF:28854.2/1

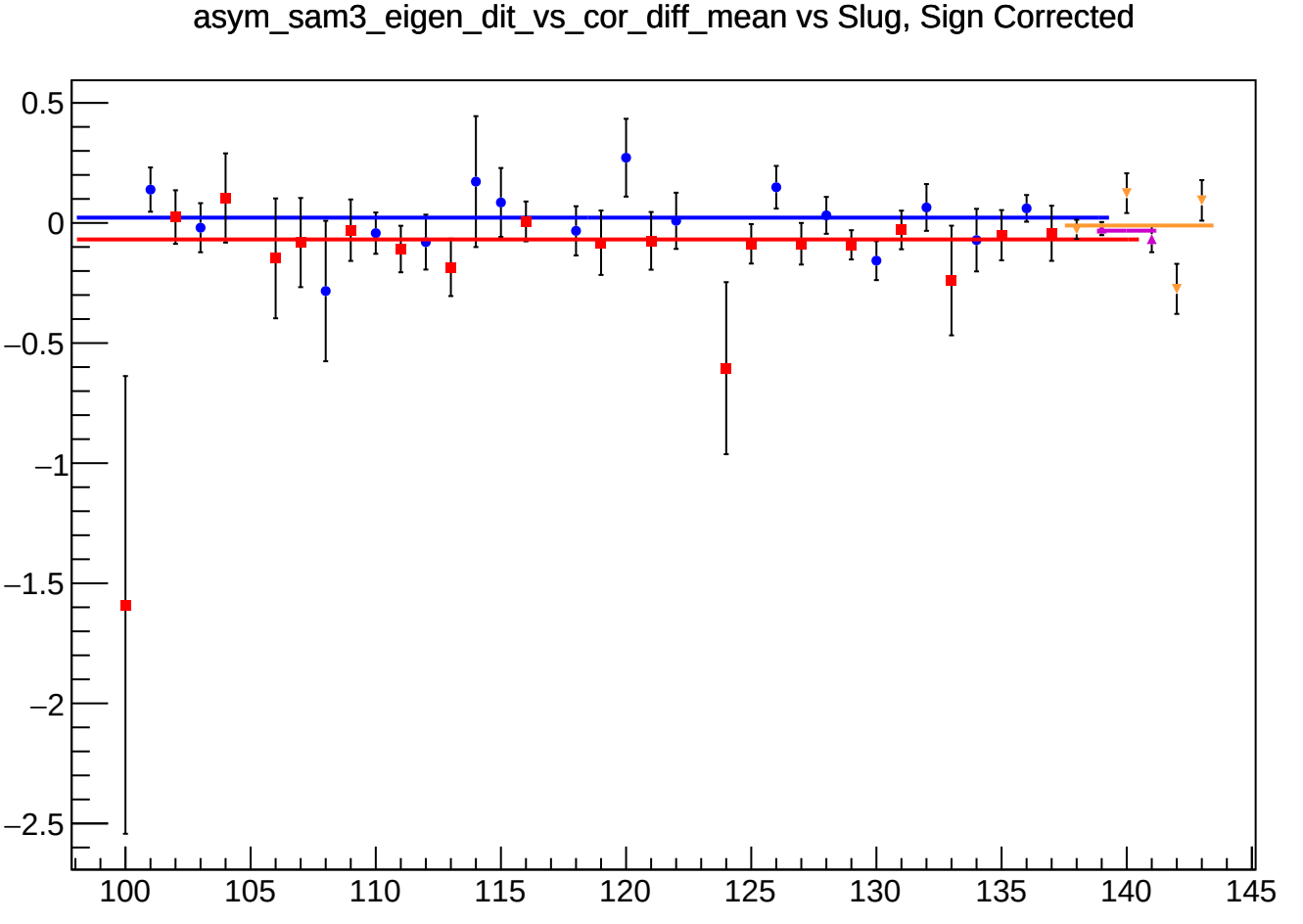
Left: 0.003+/-0.000 χ^2/NDF: 332318.6/5

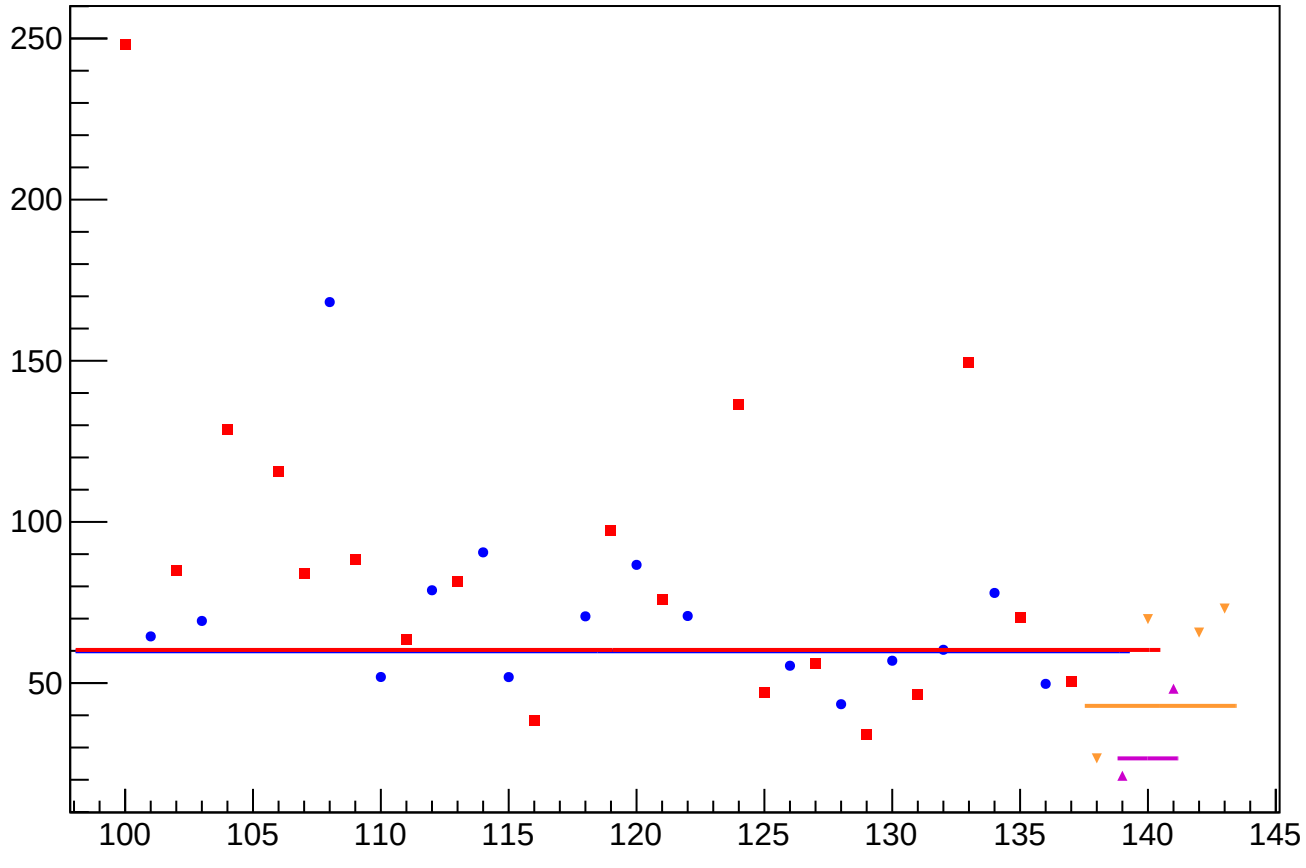
Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:5786588.3/17

Out: 0.002+/-0.000 χ^2/NDF:7410772.8/22

All: 0.002+/-0.000 χ^2/NDF: 13197696.9/40


asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
105
110
115
120
125
130
135
140
145
Right In: 0.022+/-0.025 χ²/NDF: 15.5/15
Left Out: -0.011+/-0.031 χ²/NDF:10.8/3
Right Out: -0.069+/-0.025 χ²/NDF: 9.6/18
Left In: -0.032+/-0.024 χ²/NDF:0.5/1
Left: -0.024+/-0.019 χ²/NDF: 11.6/5
Right: -0.022+/-0.018 χ²/NDF: 31.7/34
In: -0.005+/-0.017 χ²/NDF:18.5/17
Out: -0.046+/-0.020 χ²/NDF:22.4/22
All: -0.023+/-0.013 χ²/NDF: 43.3/40



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 42.929+/-0.022 χ^2/NDF:898049.6/3

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.633+/-0.017 χ^2/NDF:394579.2/1

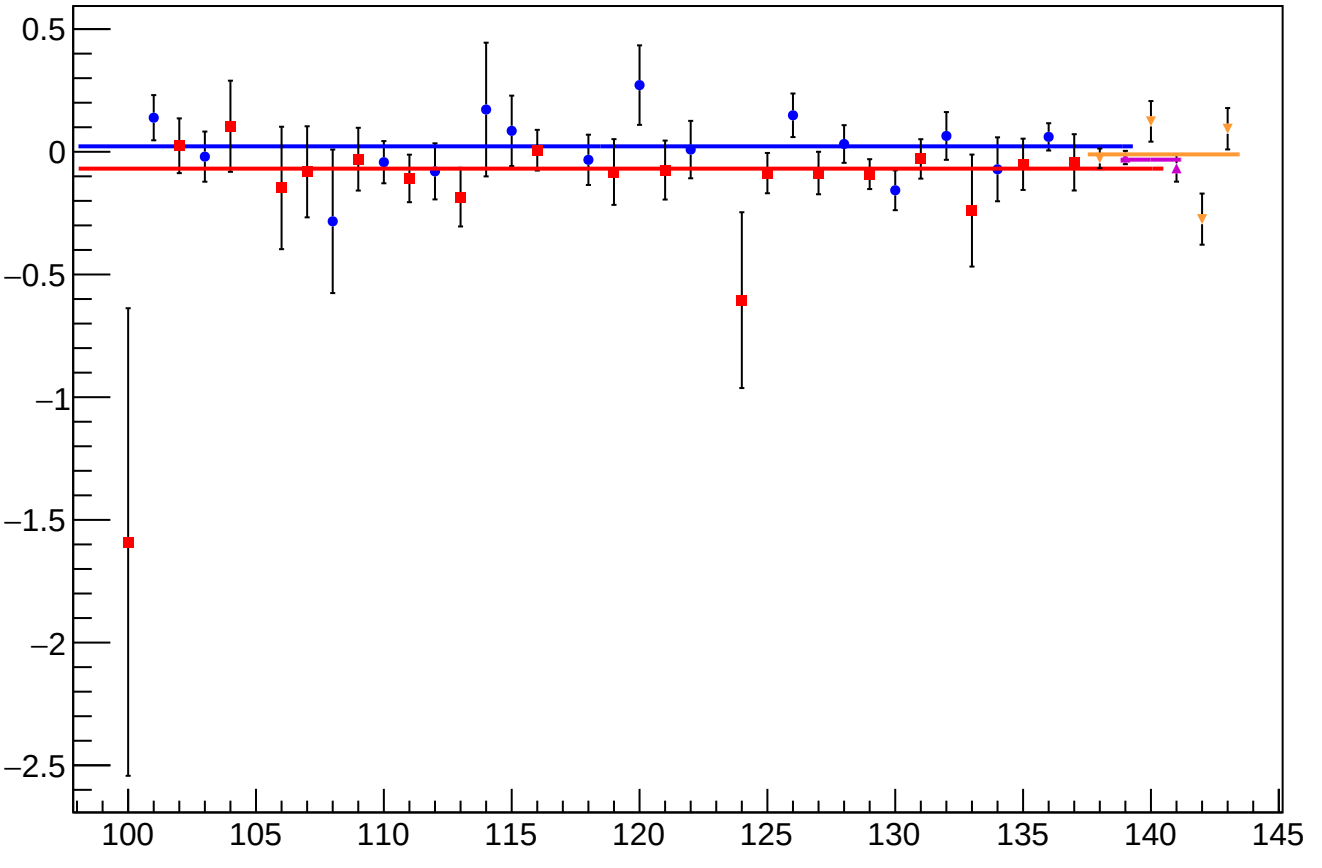
Left: 32.716+/-0.014 χ^2/NDF: 1628616.7/5

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 42.990+/-0.012 χ^2/NDF:2936241.7/17

Out: 53.476+/-0.014 χ^2/NDF:3244706.4/22

All: 47.557+/-0.009 χ^2/NDF: 6500558.2/40



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.011+/-0.031 χ^2/NDF:10.8/3

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.032+/-0.024 χ^2/NDF:0.5/1

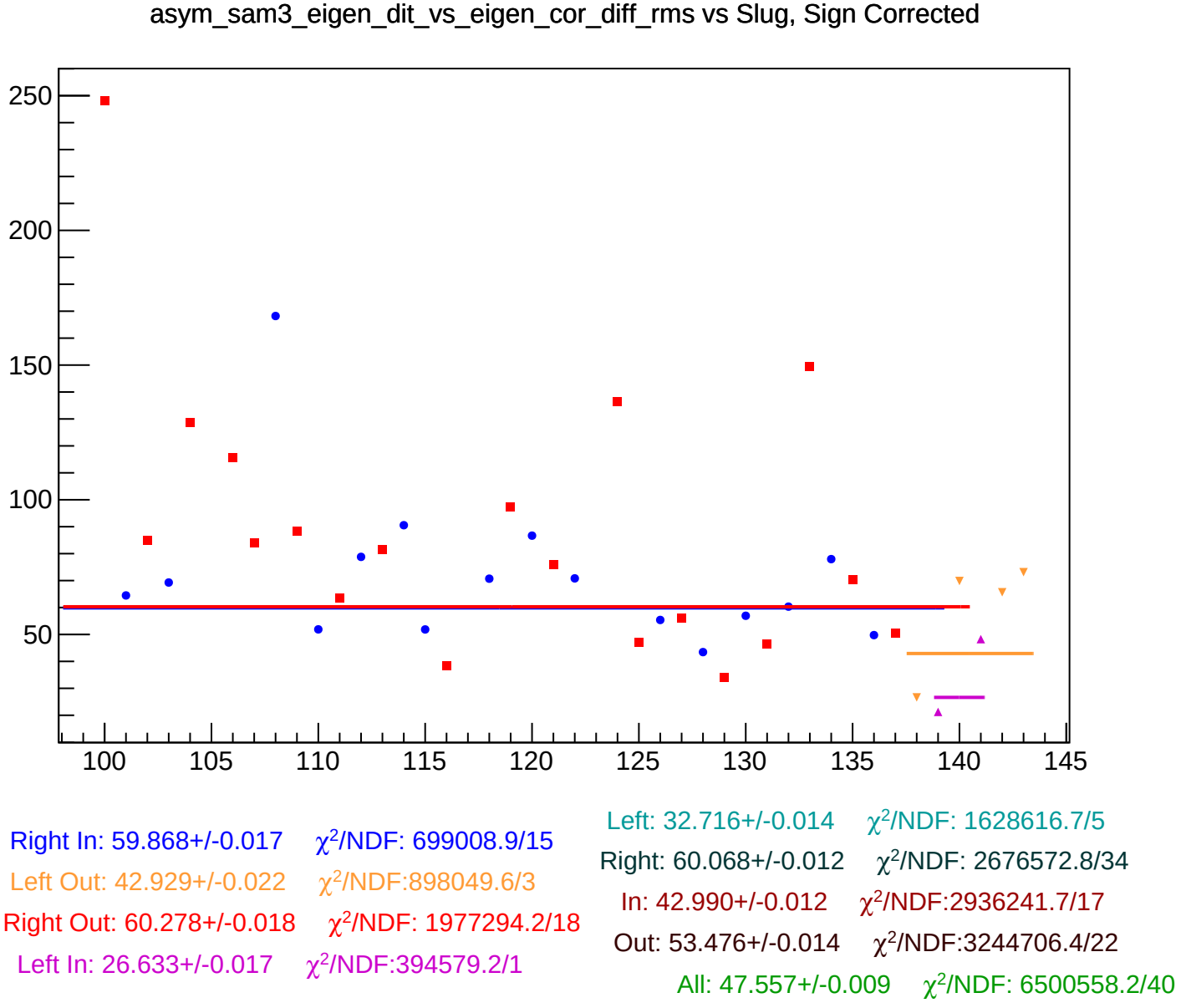
Left: -0.024+/-0.019 χ^2/NDF: 11.6/5

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.017 χ^2/NDF:18.5/17

Out: -0.046+/-0.020 χ^2/NDF:22.4/22

All: -0.023+/-0.013 χ^2/NDF: 43.3/40


asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
250
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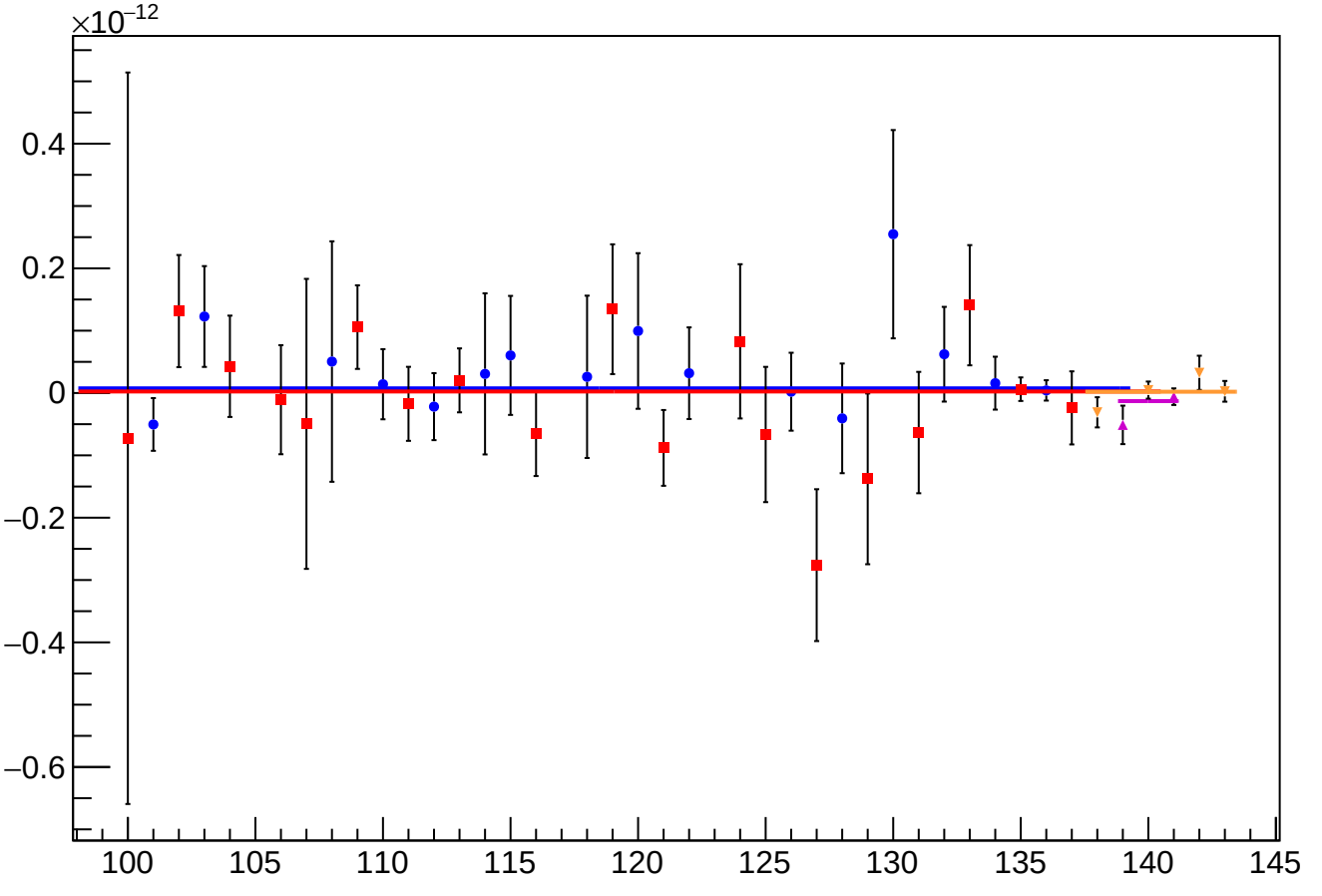
Right In: 59.868+/-0.017 χ²/NDF: 699008.9/15
Left Out: 42.929+/-0.022 χ²/NDF:898049.6/3
Right Out: 60.278+/-0.018 χ²/NDF: 1977294.2/18
Left In: 26.633+/-0.017 χ²/NDF:394579.2/1
Left: 32.716+/-0.014 χ²/NDF: 1628616.7/5
Right: 60.068+/-0.012 χ²/NDF: 2676572.8/34
In: 42.990+/-0.012 χ²/NDF:2936241.7/17
Out: 53.476+/-0.014 χ²/NDF:3244706.4/22
All: 47.557+/-0.009 χ²/NDF: 6500558.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/1

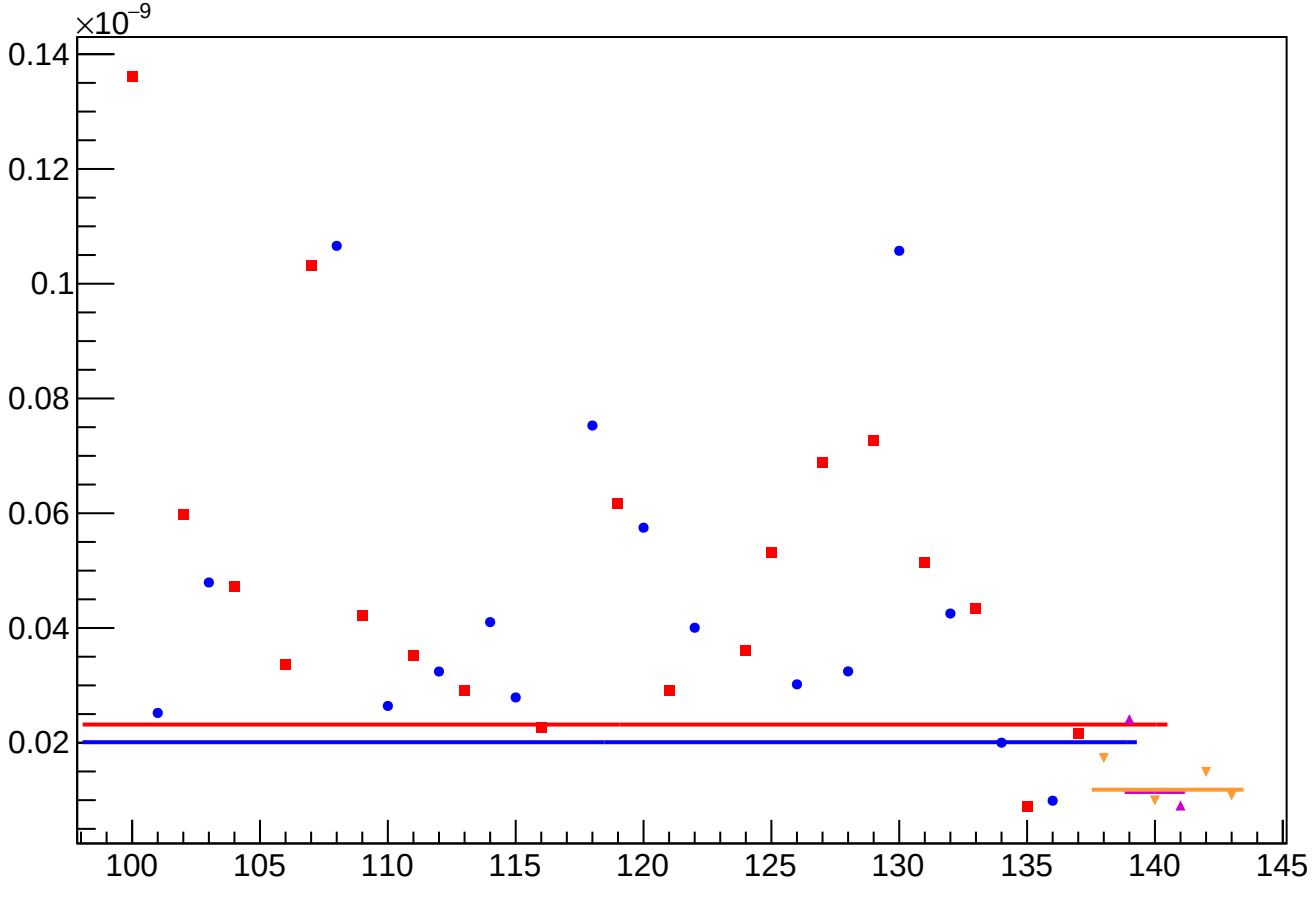
Left: -0.000+/-0.000 χ^2/NDF: 5.9/5

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:22.8/22

All: 0.000+/-0.000 χ^2/NDF: 34.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:172907.1/3

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: 575193.0/5

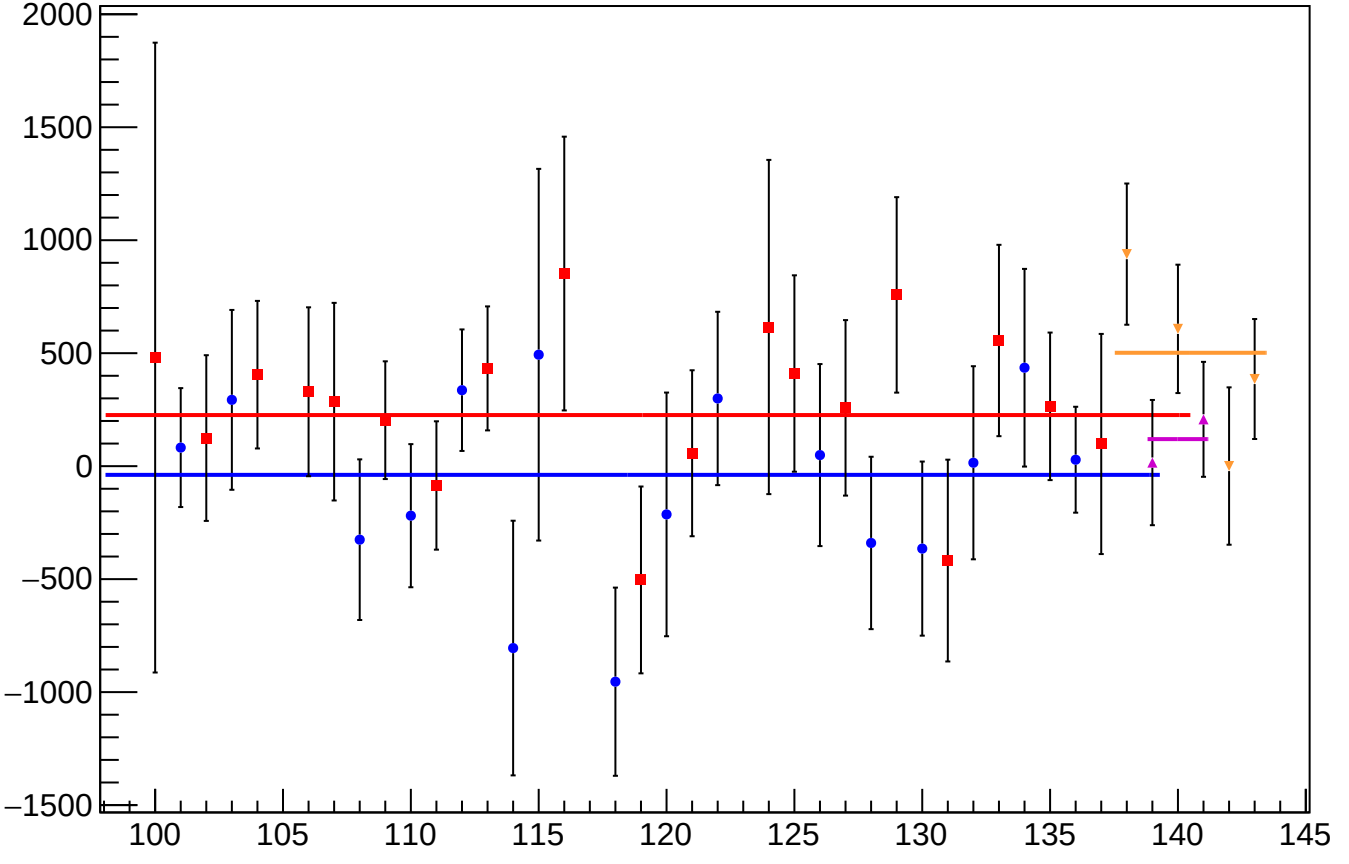
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4028743.0/17

Out: 0.000+/-0.000 χ^2/NDF:4671217.5/22

All: 0.000+/-0.000 χ^2/NDF: 8702440.0/40

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.792+/-148.964 χ^2/NDF:4.4/3

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: 353.850+/-116.611 χ^2/NDF: 7.2/5

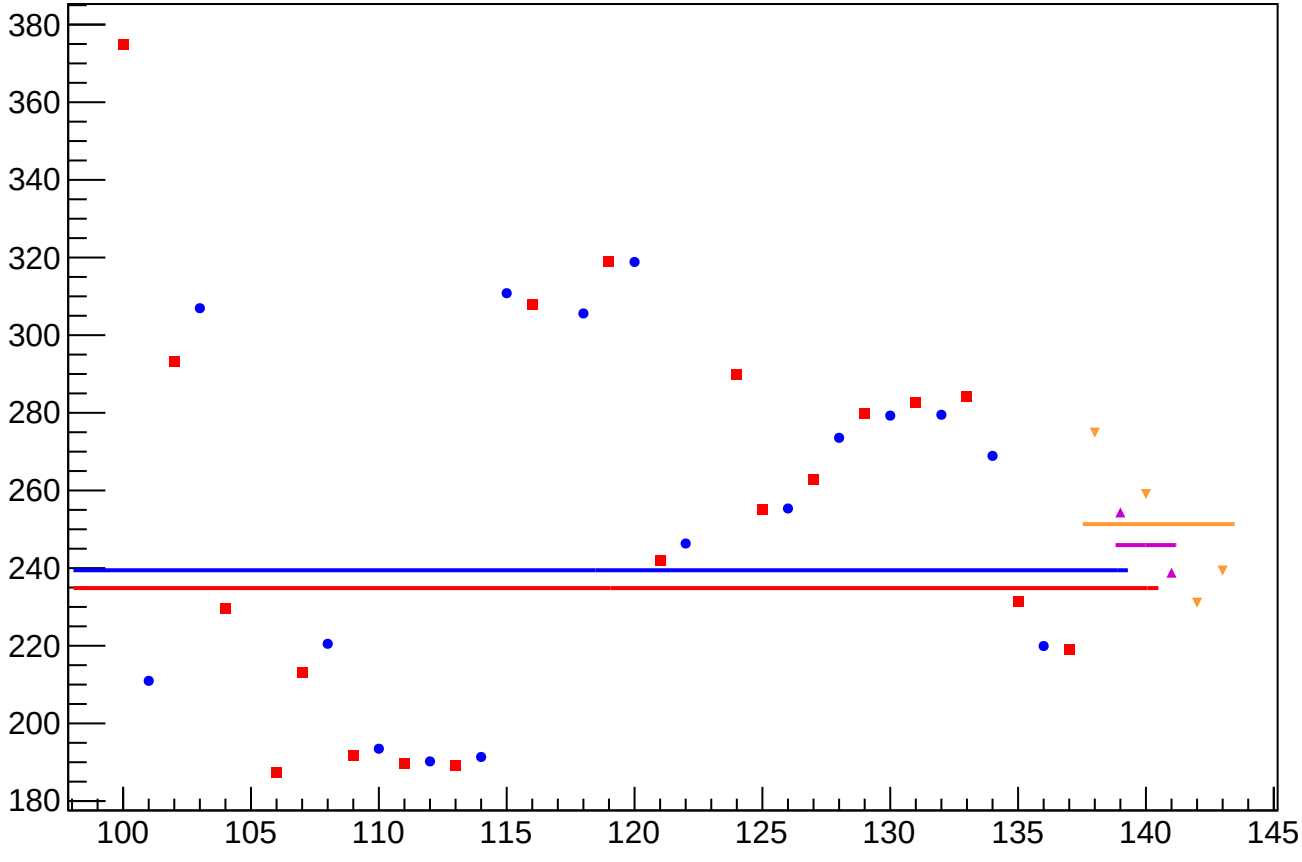
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: -8.514+/-81.581 χ^2/NDF:15.3/17

Out: 297.361+/-75.708 χ^2/NDF:18.3/22

All: 155.829+/-55.494 χ^2/NDF: 41.2/40

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

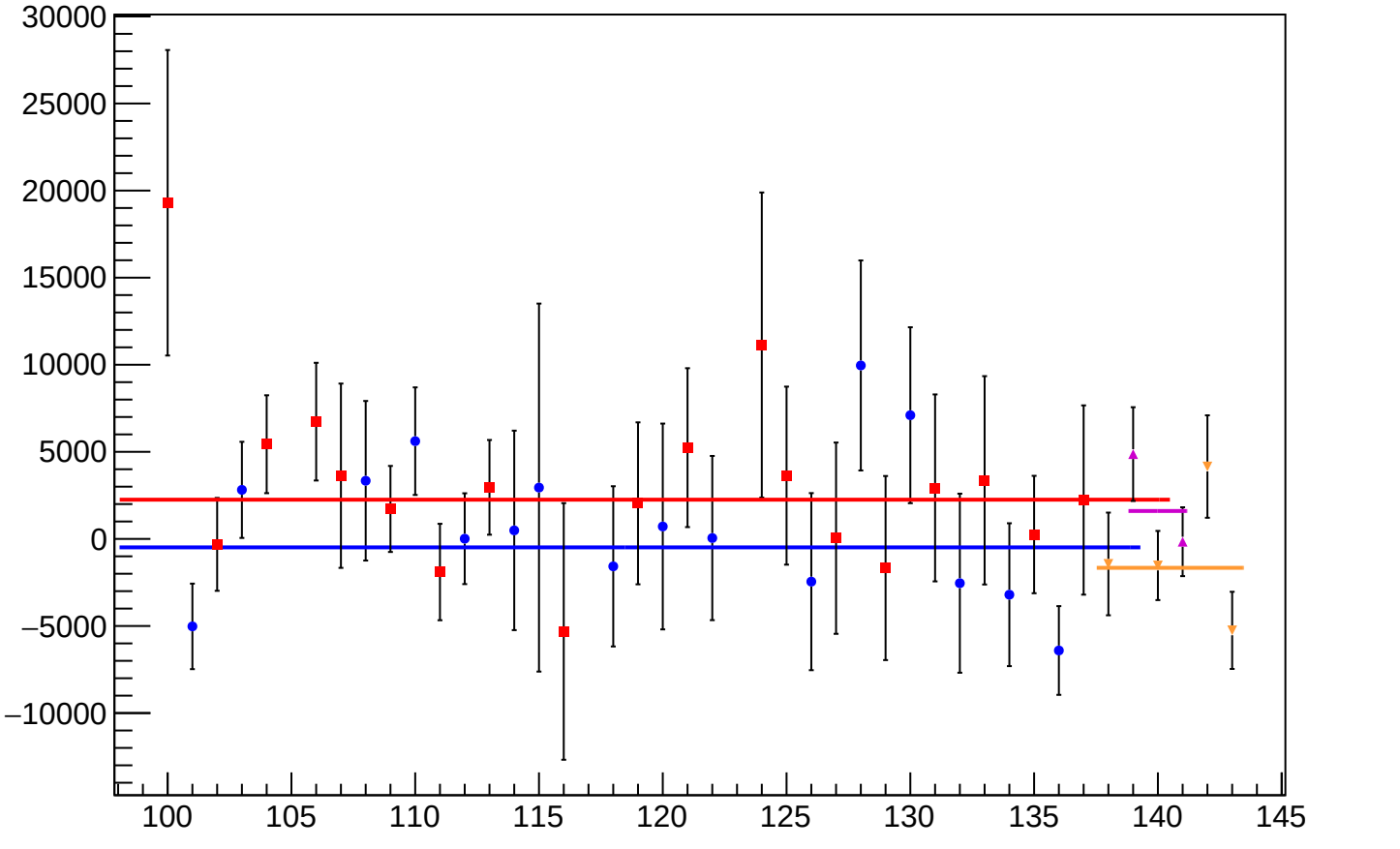
Left: 249.244+/-0.082 χ^2/NDF: 28111.4/5

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 240.678+/-0.058 χ^2/NDF:406302.3/17

Out: 239.112+/-0.054 χ^2/NDF:523560.9/22

All: 239.836+/-0.039 χ^2/NDF: 930259.2/40



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1660.451+/-1205.406 χ^2/NDF:6.5/3

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1603.040+/-1593.239 χ^2/NDF:2.3/1

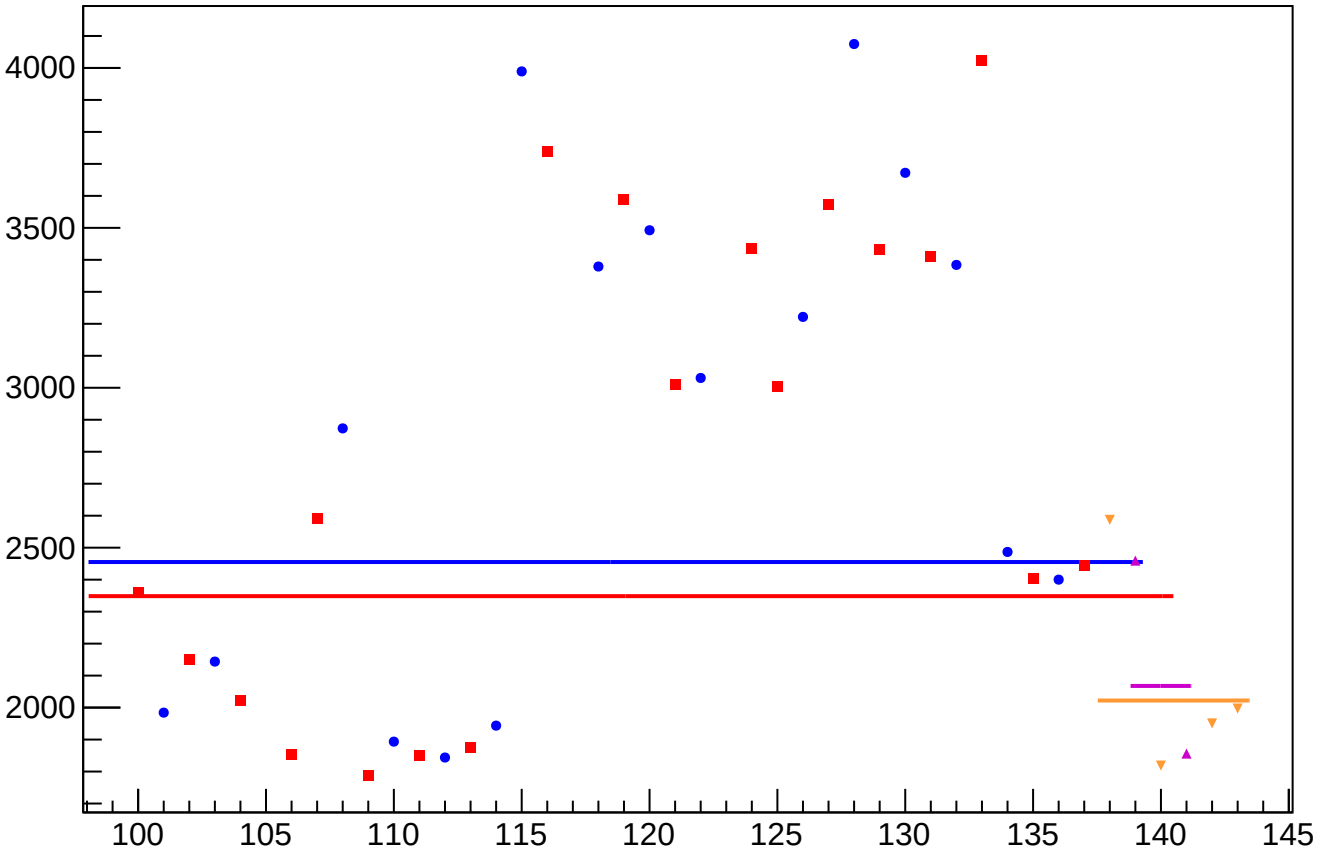
Left: -472.436+/-961.282 χ^2/NDF: 11.5/5

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 59.812+/-814.346 χ^2/NDF:24.7/17

Out: 863.208+/-718.153 χ^2/NDF:27.2/22

All: 511.740+/-538.626 χ^2/NDF: 52.4/40



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2022.093+/-0.852 χ^2/NDF:95913.9/3

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: 2038.690+/-0.680 χ^2/NDF: 162260.0/5

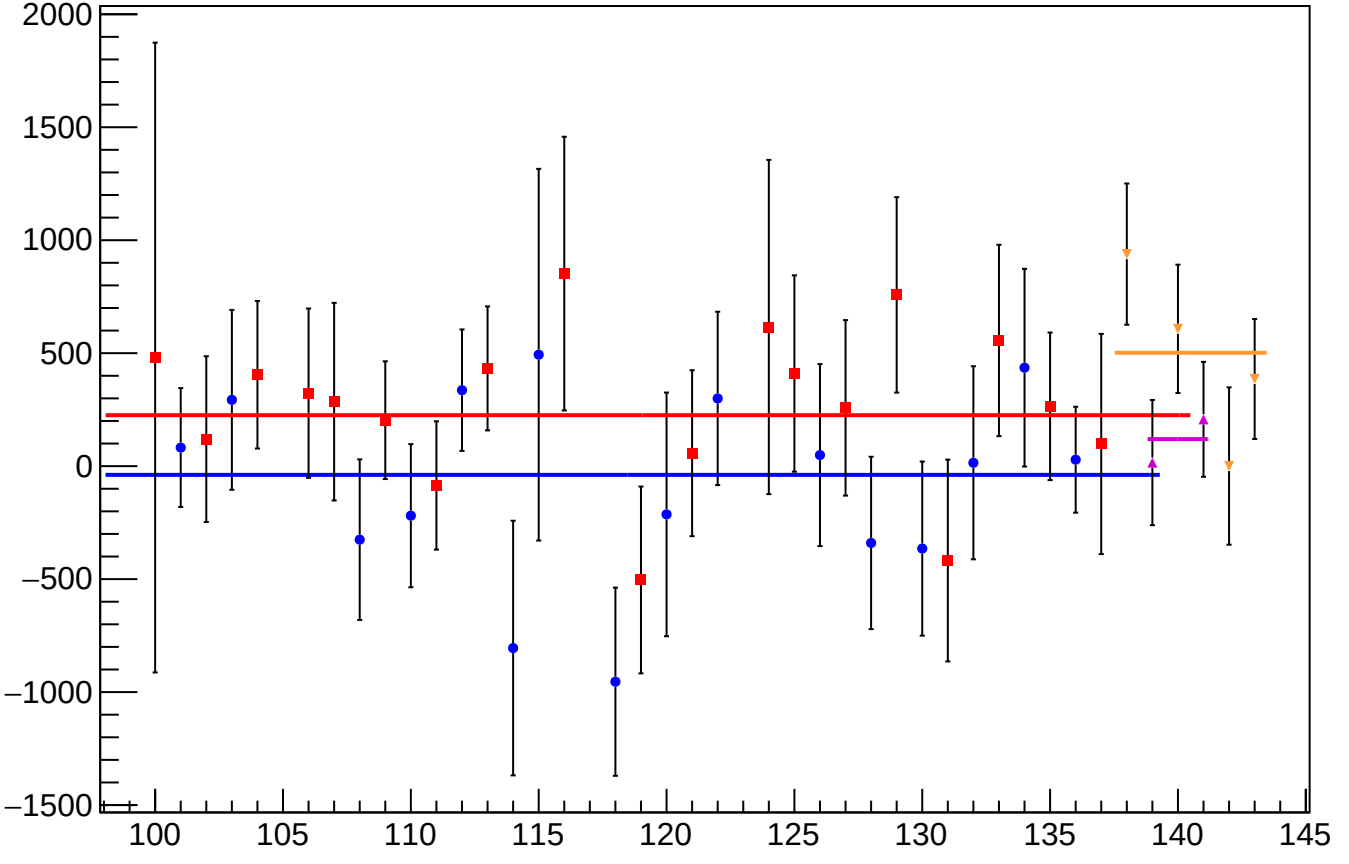
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2353.890+/-0.576 χ^2/NDF:1047056.0/17

Out: 2232.607+/-0.508 χ^2/NDF:1242900.9/22

All: 2285.666+/-0.381 χ^2/NDF: 2314911.6/40

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.815+/-148.964 χ^2/NDF:4.4/3

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: 353.873+/-116.611 χ^2/NDF: 7.2/5

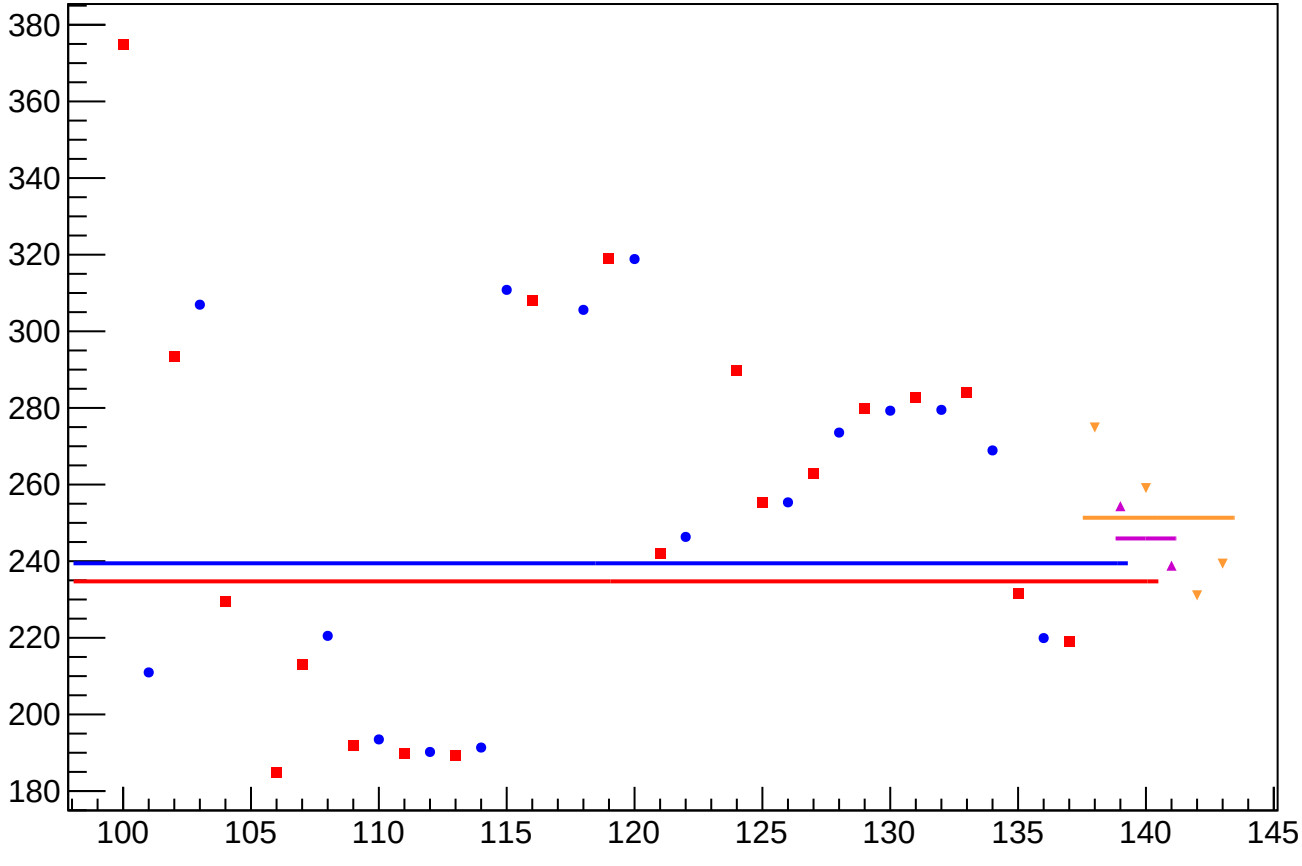
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -8.527+/-81.581 χ^2/NDF:15.3/17

Out: 296.899+/-75.717 χ^2/NDF:18.3/22

All: 155.557+/-55.497 χ^2/NDF: 41.2/40

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.336+/-0.105 χ^2/NDF:23686.0/3

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 245.933+/-0.133 χ^2/NDF:3406.3/1

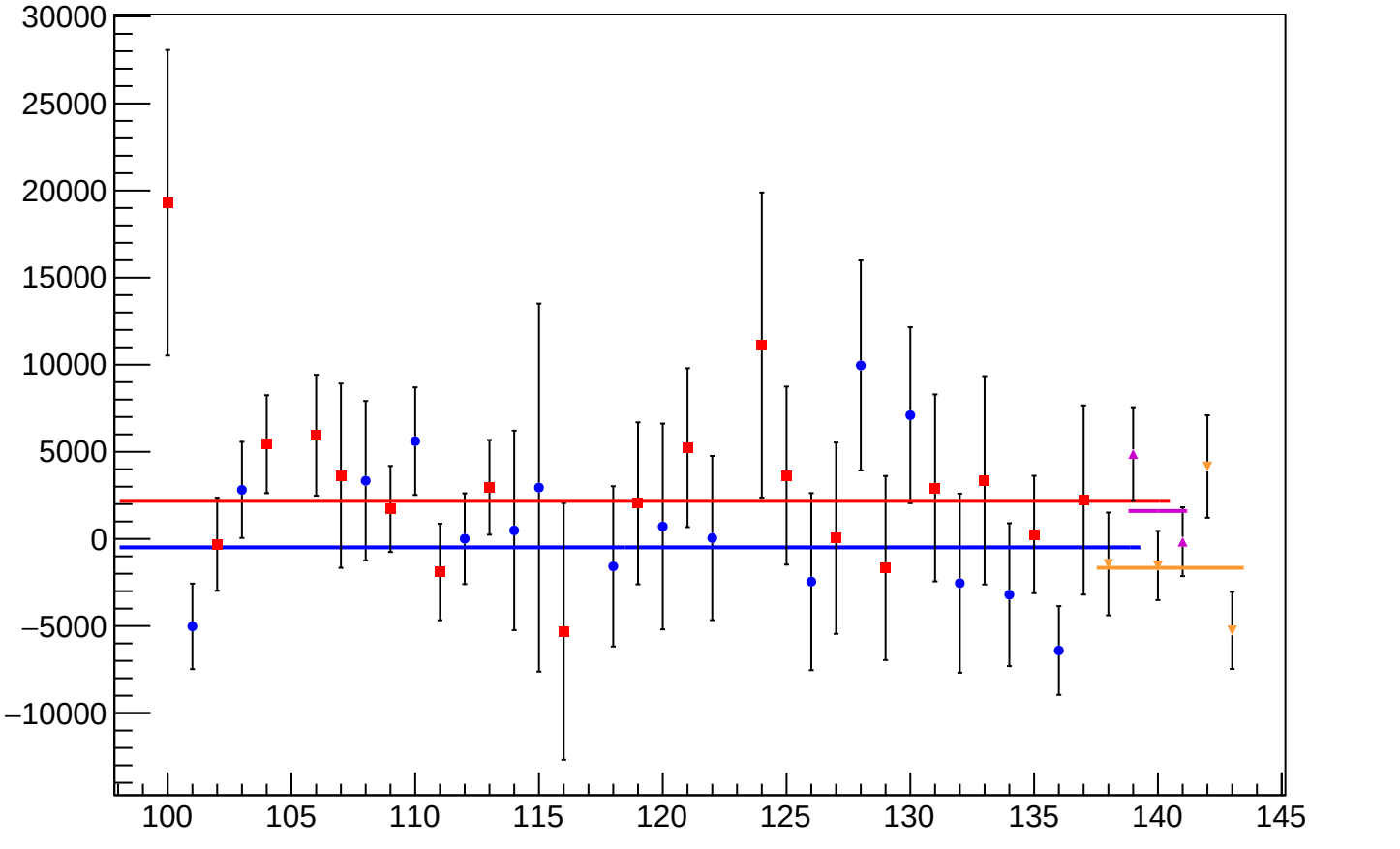
Left: 249.244+/-0.082 χ^2/NDF: 28111.4/5

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 240.678+/-0.058 χ^2/NDF:406304.7/17

Out: 239.022+/-0.054 χ^2/NDF:527351.7/22

All: 239.788+/-0.039 χ^2/NDF: 934098.8/40



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1660.411+/-1205.405 χ^2/NDF:6.5/3

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1603.102+/-1593.240 χ^2/NDF:2.3/1

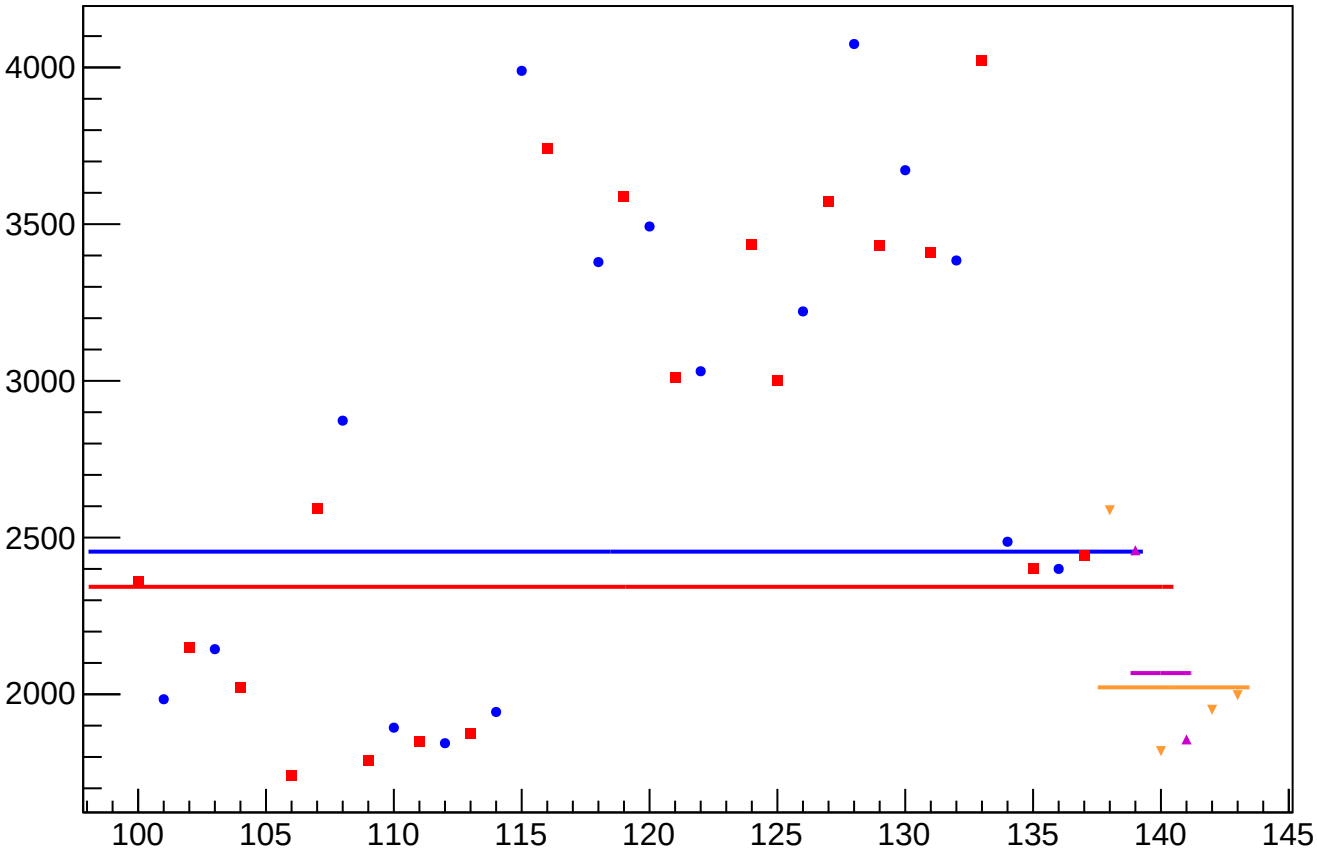
Left: -472.389+/-961.282 χ^2/NDF: 11.5/5

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 59.708+/-814.352 χ^2/NDF:24.7/17

Out: 816.632+/-719.029 χ^2/NDF:26.4/22

All: 485.043+/-538.996 χ^2/NDF: 51.5/40



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2022.092+/-0.852 χ^2/NDF:95914.0/3

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: 2038.690+/-0.680 χ^2/NDF: 162259.2/5

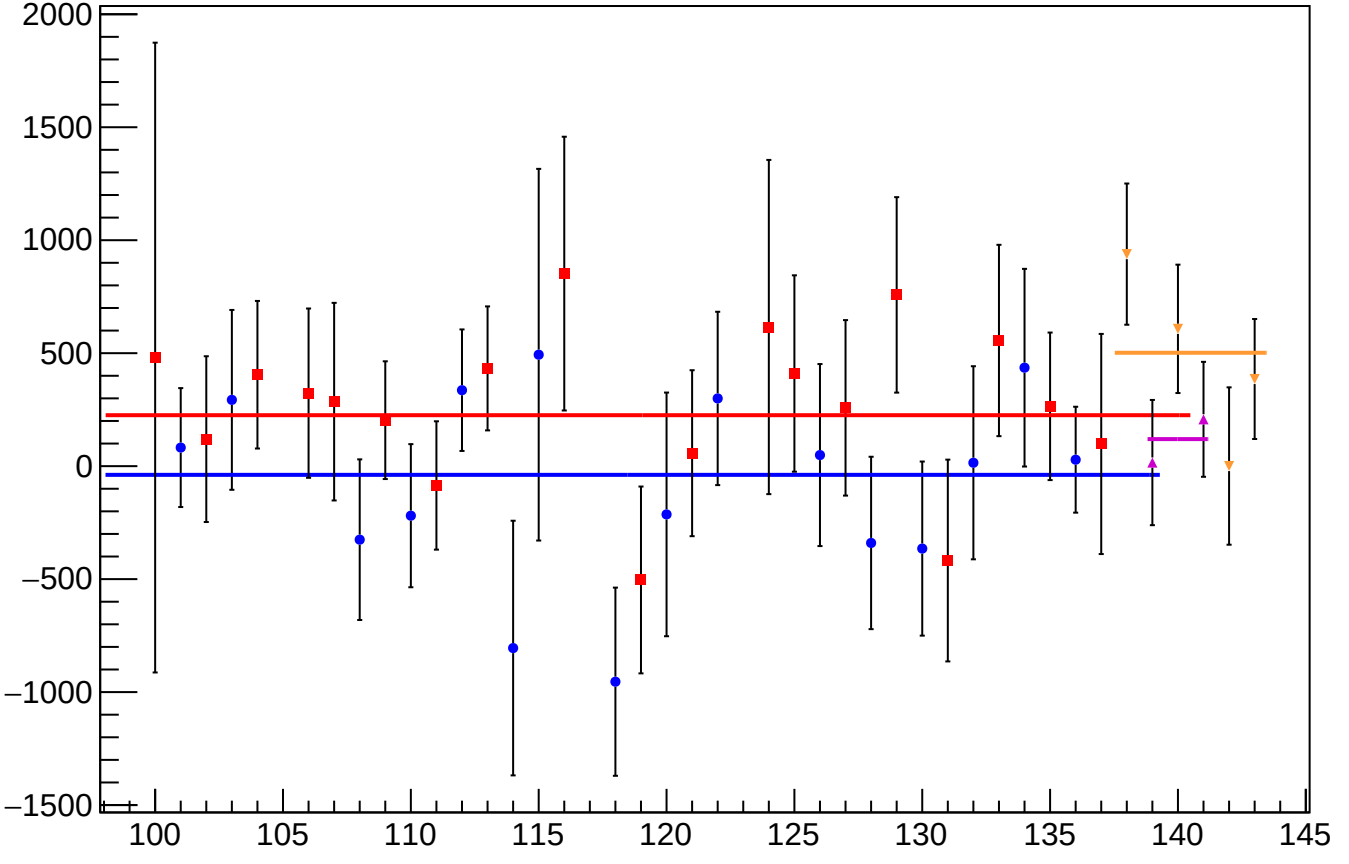
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2353.908+/-0.576 χ^2/NDF:1047033.6/17

Out: 2228.787+/-0.508 χ^2/NDF:1257589.9/22

All: 2283.599+/-0.381 χ^2/NDF: 2331153.9/40

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 501.815+/-148.964 χ^2/NDF:4.4/3

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 119.738+/-187.399 χ^2/NDF:0.3/1

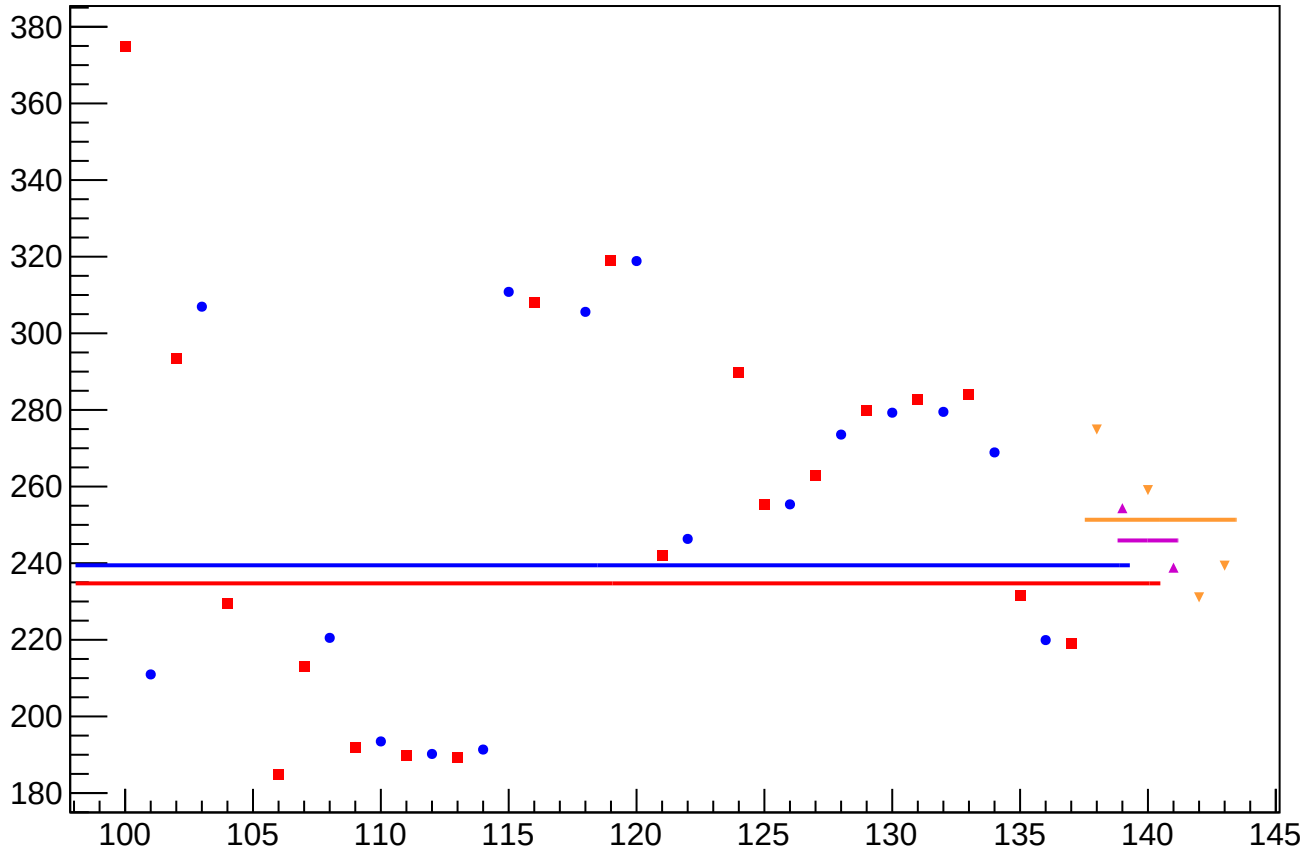
Left: 353.873+/-116.611 χ^2/NDF: 7.2/5

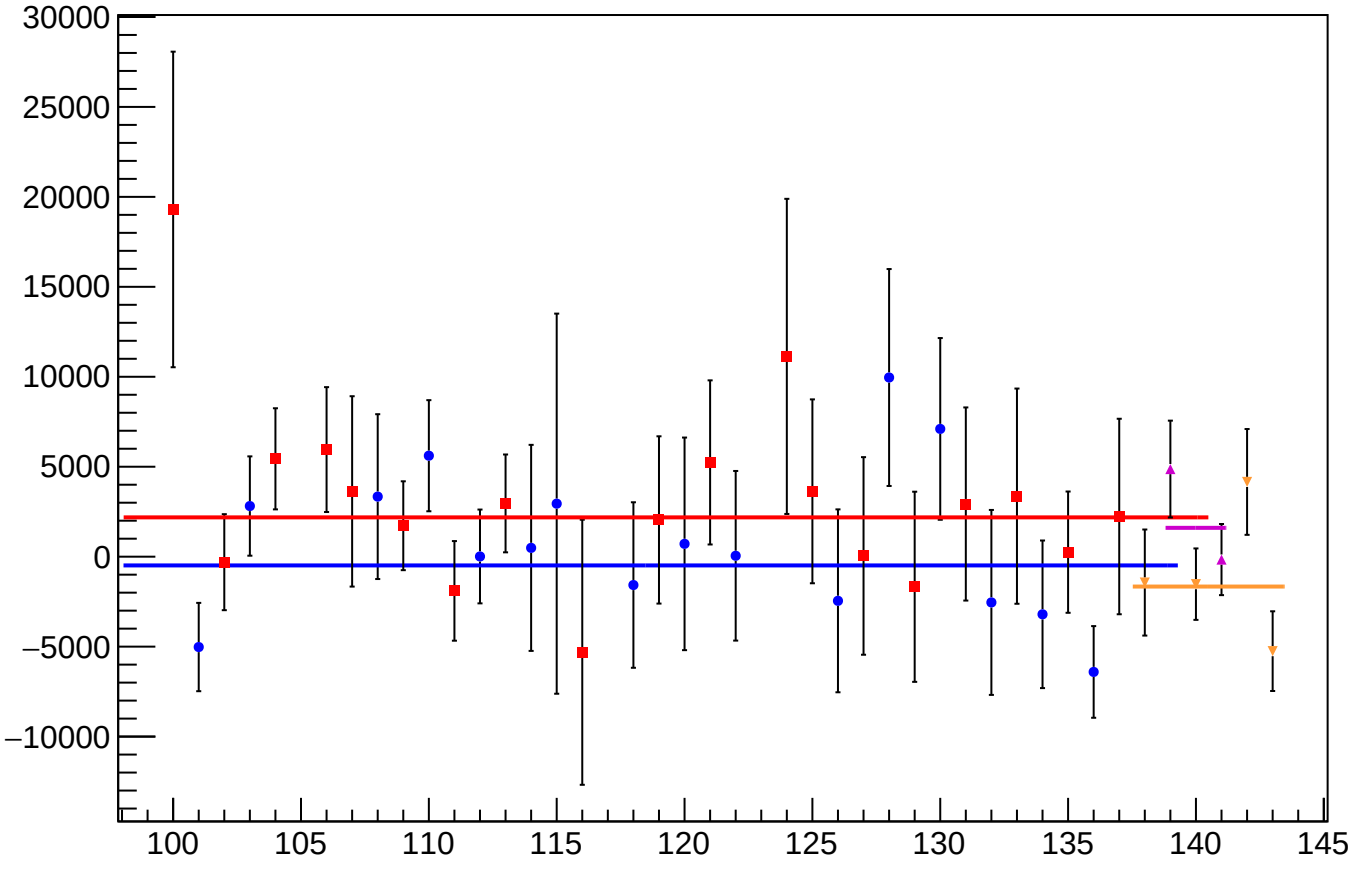
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: -8.527+/-81.581 χ^2/NDF:15.3/17

Out: 296.899+/-75.717 χ^2/NDF:18.3/22

All: 155.557+/-55.497 χ^2/NDF: 41.2/40


eigen_cor_asym_sam4_rms vs Slug, Sign Corrected
380
360
340
320
300
280
260
240
220
200
180
100
105
110
115
120
125
130
135
140
145
Right In: 239.449+/-0.064 χ²/NDF: 400958.1/15
Left Out: 251.336+/-0.105 χ²/NDF:23686.0/3
Right Out: 234.733+/-0.062 χ²/NDF: 485238.4/18
Left In: 245.933+/-0.133 χ²/NDF:3406.3/1
Left: 249.244+/-0.082 χ²/NDF: 28111.4/5
Right: 237.020+/-0.045 χ²/NDF: 888987.0/34
In: 240.678+/-0.058 χ²/NDF:406304.7/17
Out: 239.022+/-0.054 χ²/NDF:527351.7/22
All: 239.788+/-0.039 χ²/NDF: 934098.8/40



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1660.411+/-1205.405 χ^2/NDF:6.5/3

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1603.102+/-1593.240 χ^2/NDF:2.3/1

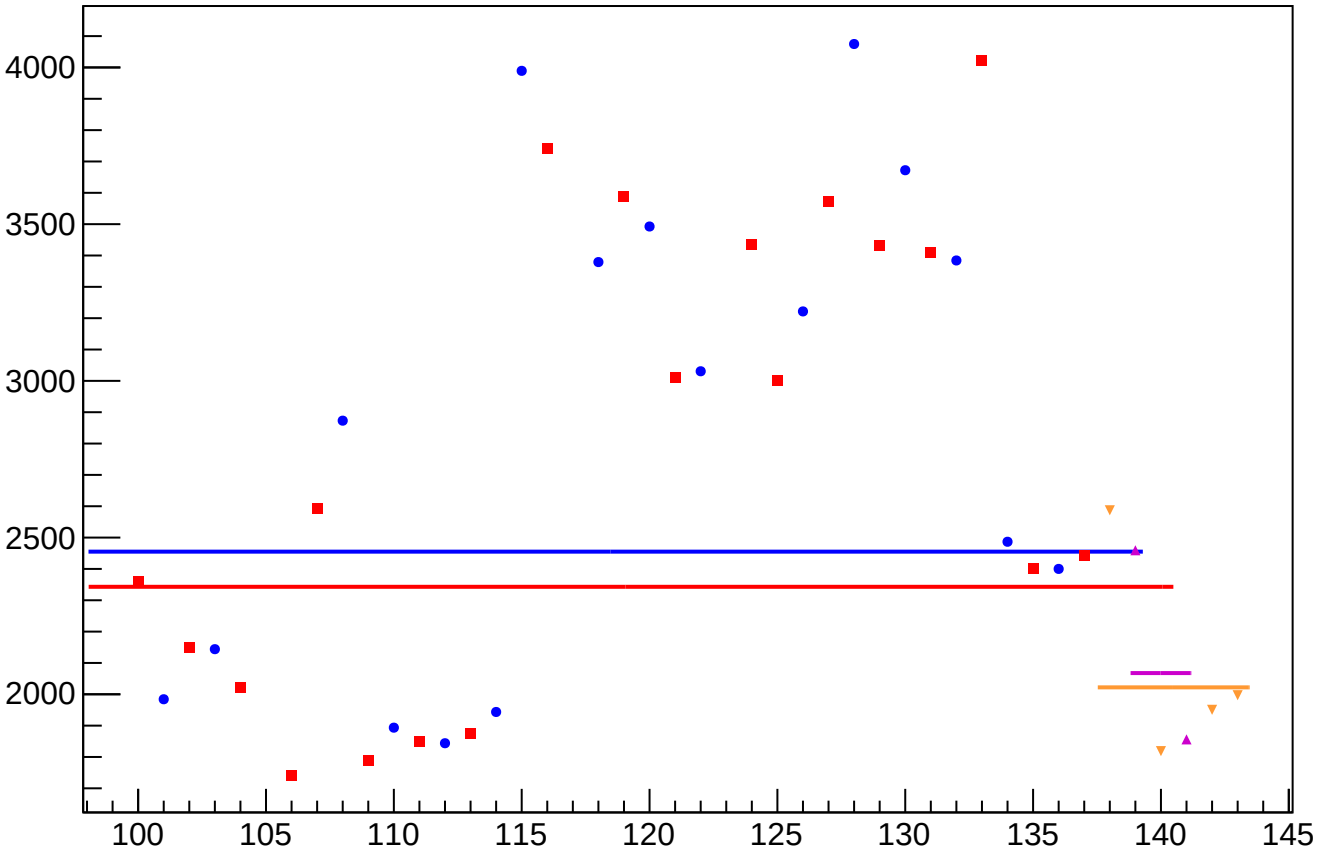
Left: -472.389+/-961.282 χ^2/NDF: 11.5/5

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 59.708+/-814.352 χ^2/NDF:24.7/17

Out: 816.632+/-719.029 χ^2/NDF:26.4/22

All: 485.043+/-538.996 χ^2/NDF: 51.5/40



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2022.092+/-0.852 χ^2/NDF:95914.0/3

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: 2038.690+/-0.680 χ^2/NDF: 162259.2/5

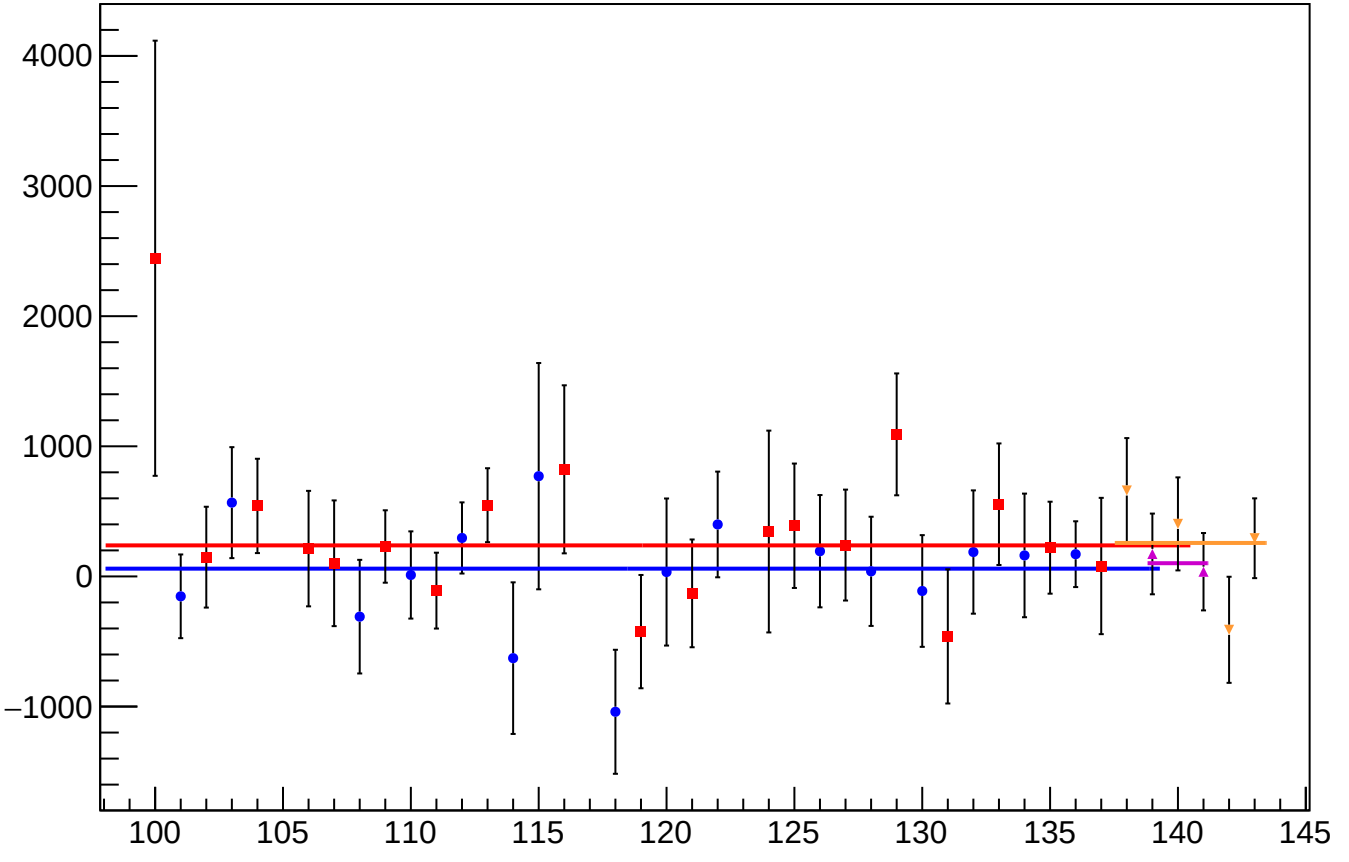
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2353.908+/-0.576 χ^2/NDF:1047033.6/17

Out: 2228.787+/-0.508 χ^2/NDF:1257589.9/22

All: 2283.599+/-0.381 χ^2/NDF: 2331153.9/40

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 257.270+/-180.650 χ^2/NDF:3.9/3

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: 192.705+/-138.205 χ^2/NDF: 4.3/5

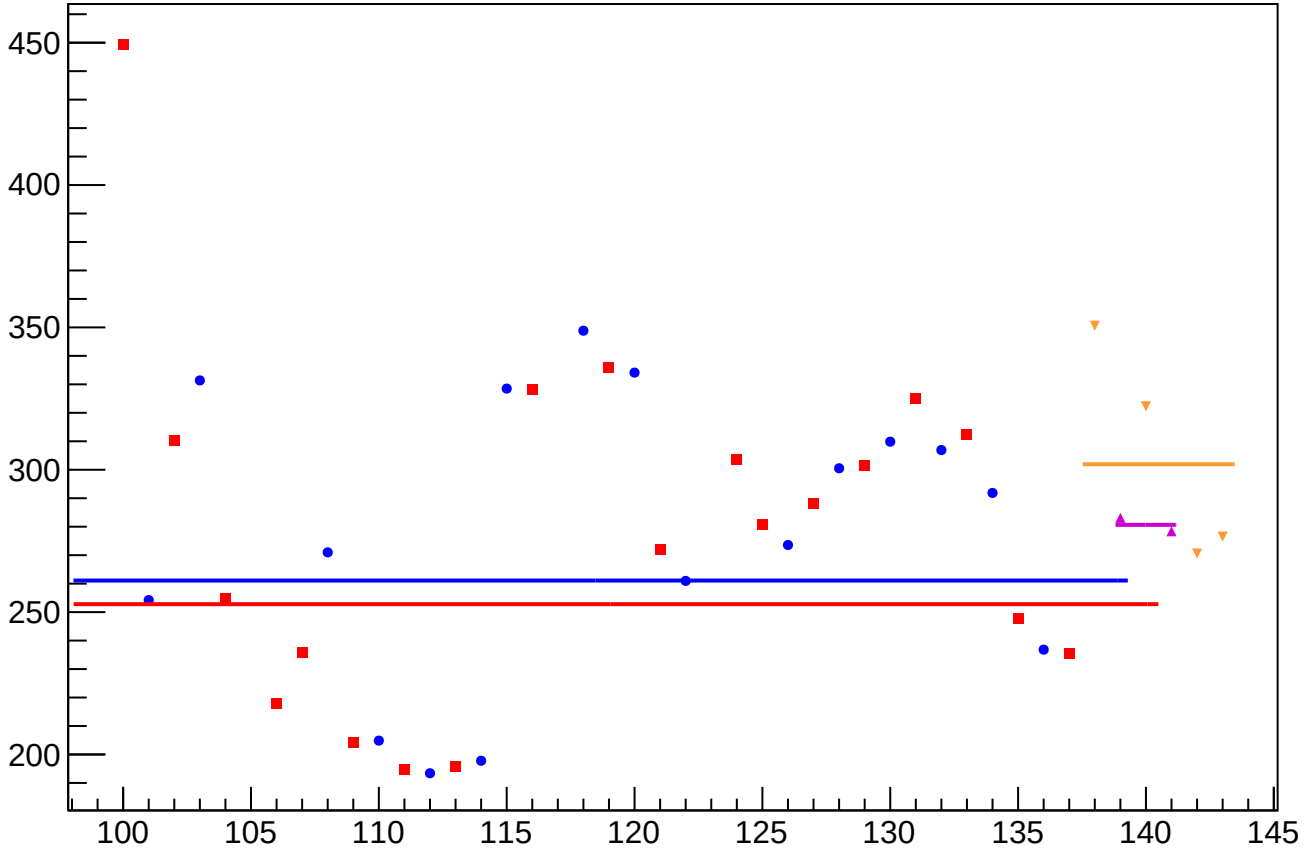
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 67.100+/-90.068 χ^2/NDF:12.1/17

Out: 242.583+/-84.125 χ^2/NDF:18.8/22

All: 160.821+/-61.479 χ^2/NDF: 33.0/40

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 301.941+/-0.128 χ^2/NDF:61254.9/3

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 280.649+/-0.152 χ^2/NDF:240.1/1

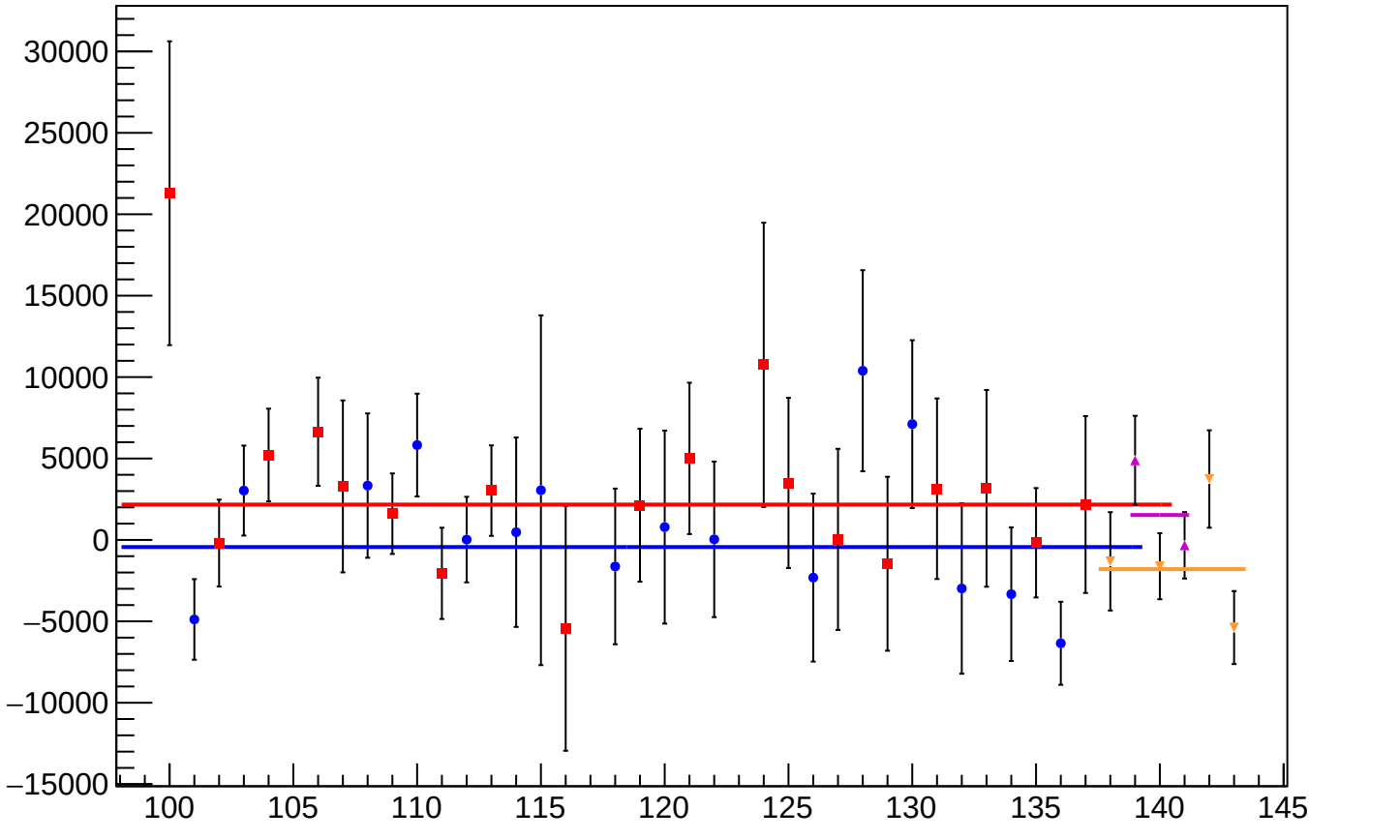
Left: 293.111+/-0.098 χ^2/NDF: 73017.1/5

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 264.534+/-0.064 χ^2/NDF:476589.7/17

Out: 263.447+/-0.059 χ^2/NDF:714504.8/22

All: 263.953+/-0.043 χ^2/NDF: 1191250.2/40



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1793.669+/-1227.191 χ^2/NDF:6.0/3

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1530.235+/-1634.774 χ^2/NDF:2.3/1

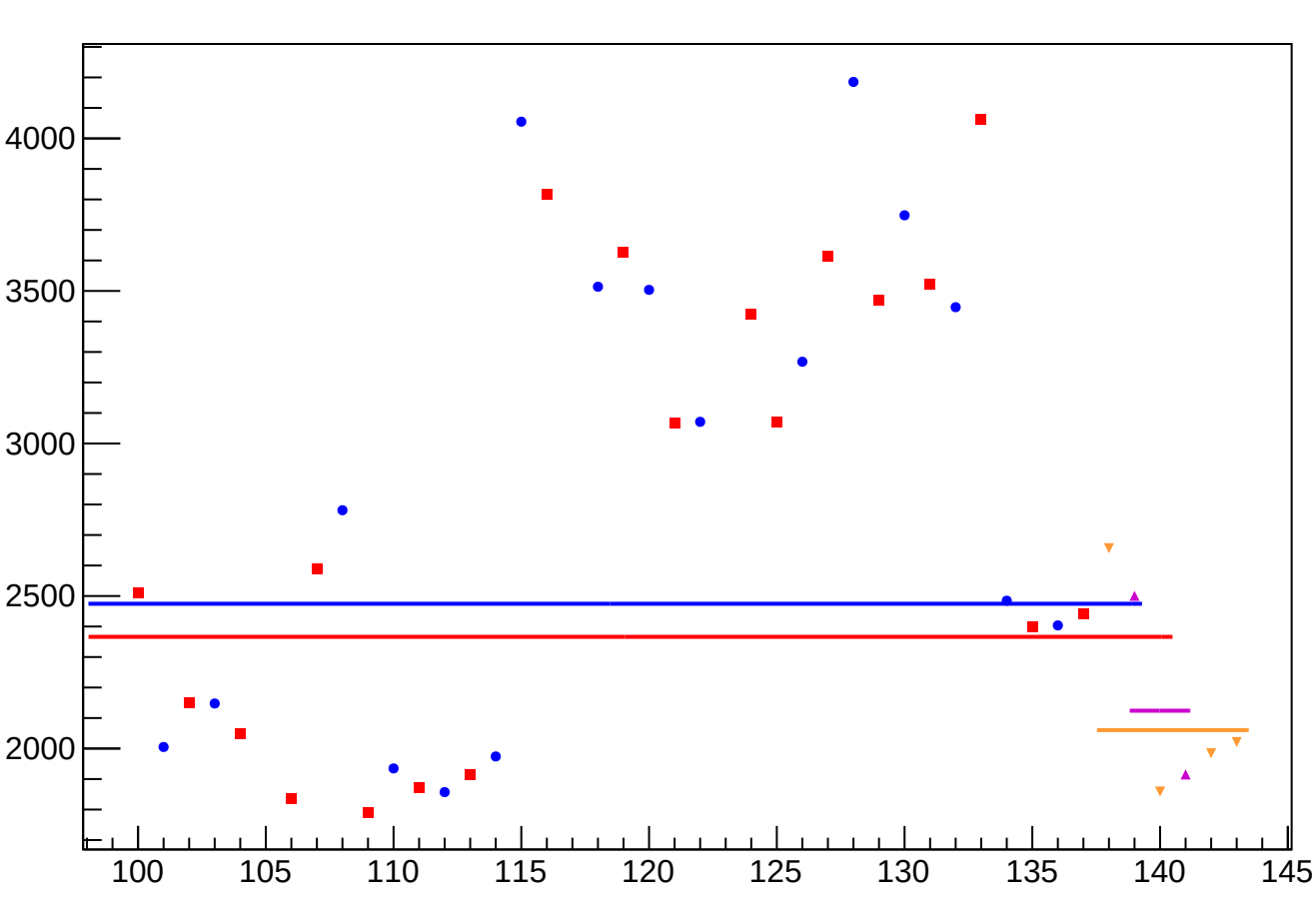
Left: -595.678+/-981.432 χ^2/NDF: 11.0/5

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 63.837+/-824.691 χ^2/NDF:24.6/17

Out: 782.892+/-726.325 χ^2/NDF:26.8/22

All: 468.785+/-545.066 χ^2/NDF: 51.8/40



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2060.548+/-0.868 χ^2/NDF:99630.7/3

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2124.080+/-1.156 χ^2/NDF:58876.3/1

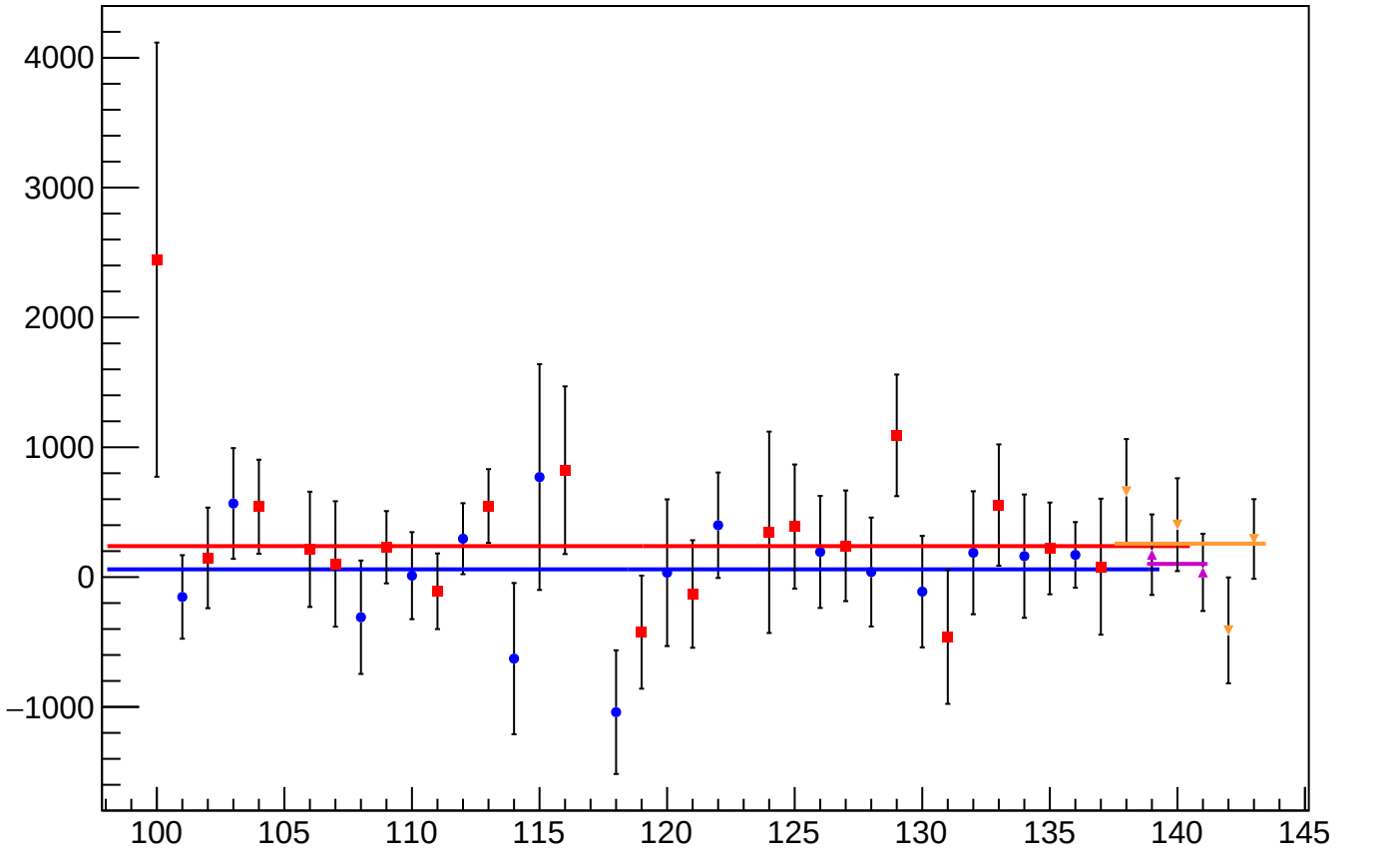
Left: 2083.446+/-0.694 χ^2/NDF: 160438.9/5

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2385.413+/-0.583 χ^2/NDF:1043683.9/17

Out: 2259.145+/-0.514 χ^2/NDF:1257424.3/22

All: 2314.303+/-0.385 χ^2/NDF: 2327512.4/40



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 257.274+/-180.650 χ^2/NDF:3.9/3

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: 192.705+/-138.205 χ^2/NDF: 4.3/5

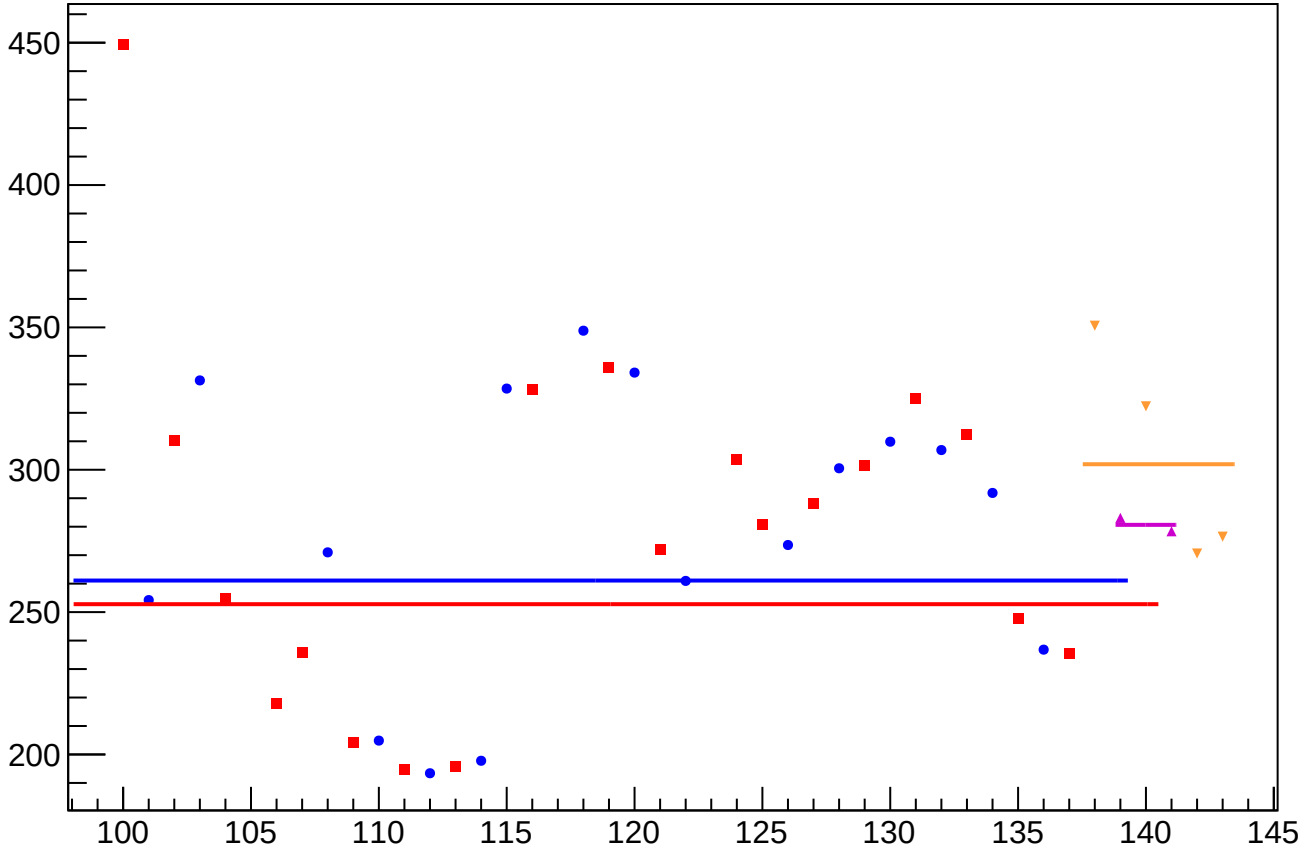
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 67.104+/-90.068 χ^2/NDF:12.1/17

Out: 242.583+/-84.126 χ^2/NDF:18.8/22

All: 160.823+/-61.479 χ^2/NDF: 33.0/40

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 301.941+/-0.128 χ^2/NDF:61253.2/3

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.649+/-0.152 χ^2/NDF:240.0/1

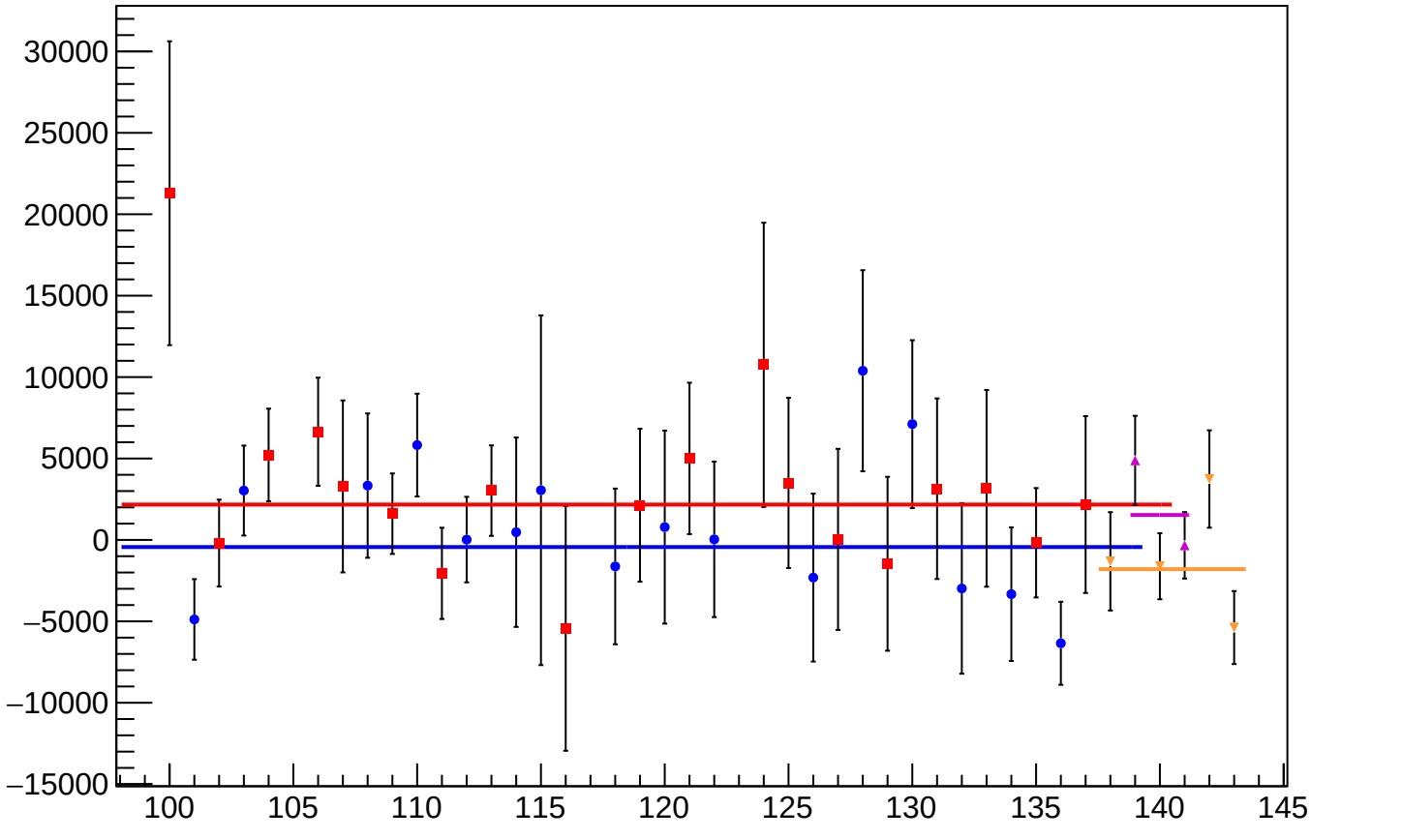
Left: 293.111+/-0.098 χ^2/NDF: 73015.7/5

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 264.534+/-0.064 χ^2/NDF:476592.4/17

Out: 263.447+/-0.059 χ^2/NDF:714507.8/22

All: 263.953+/-0.043 χ^2/NDF: 1191255.9/40



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1793.669+/-1227.189 χ^2/NDF:6.0/3

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1530.234+/-1634.771 χ^2/NDF:2.3/1

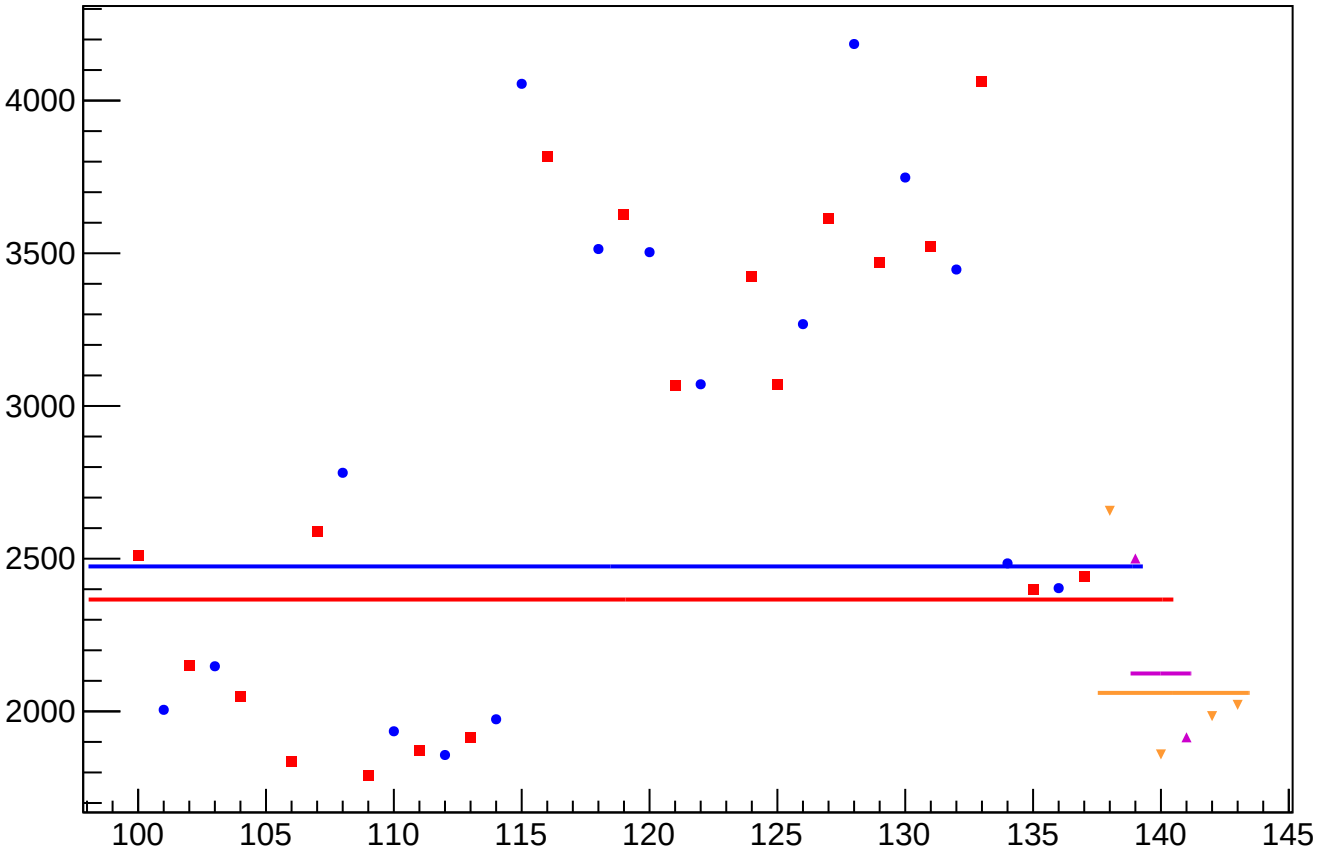
Left: -595.677+/-981.431 χ^2/NDF: 11.0/5

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 63.839+/-824.691 χ^2/NDF:24.6/17

Out: 782.890+/-726.324 χ^2/NDF:26.8/22

All: 468.785+/-545.066 χ^2/NDF: 51.8/40



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2060.546+/-0.868 χ^2/NDF:99630.3/3

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: 2083.443+/-0.694 χ^2/NDF: 160439.1/5

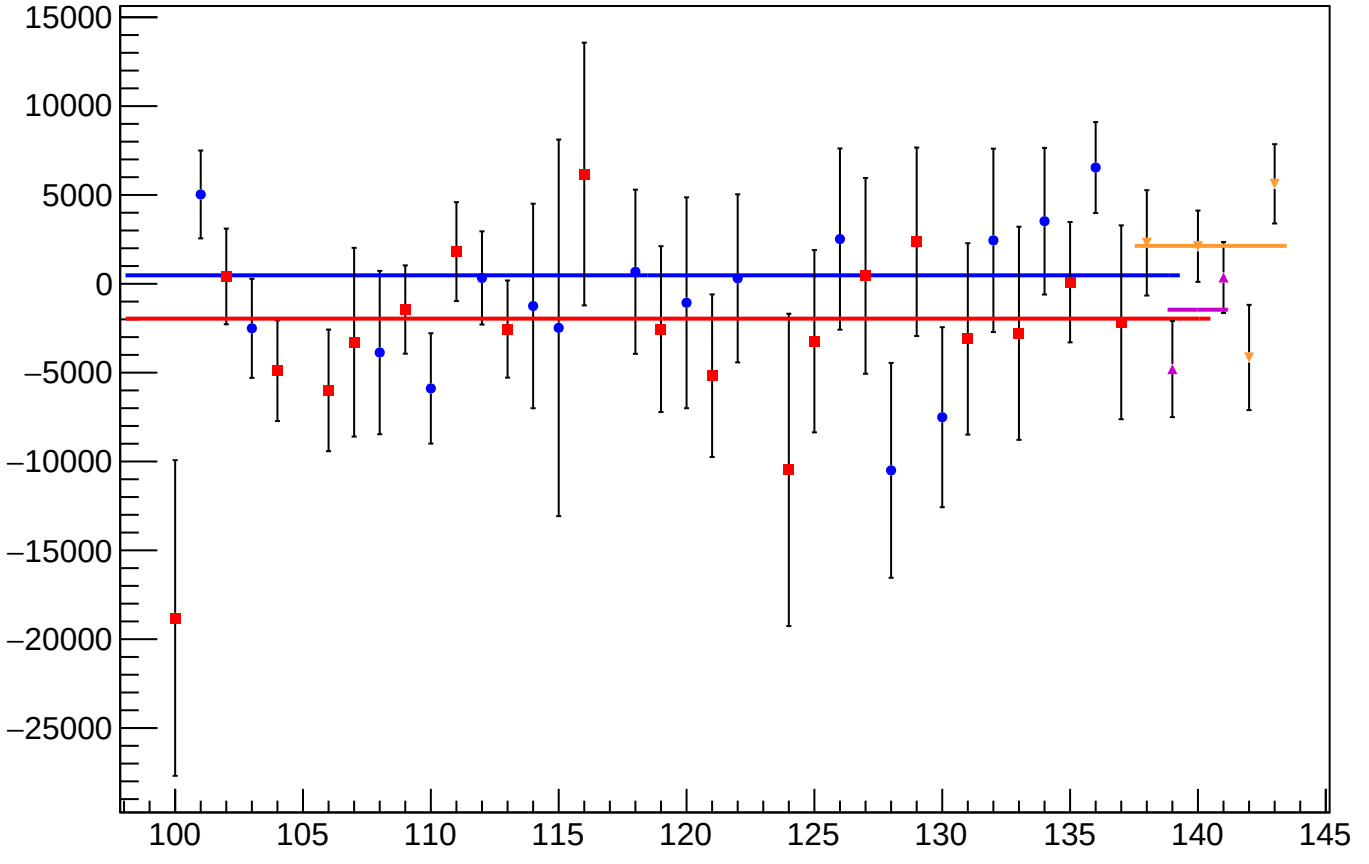
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2385.411+/-0.583 χ^2/NDF:1043689.0/17

Out: 2259.143+/-0.514 χ^2/NDF:1257426.6/22

All: 2314.301+/-0.385 χ^2/NDF: 2327519.7/40

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2135.176+/-1215.249 χ^2/NDF:6.9/3

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1457.373+/-1604.971 χ^2/NDF:2.4/1

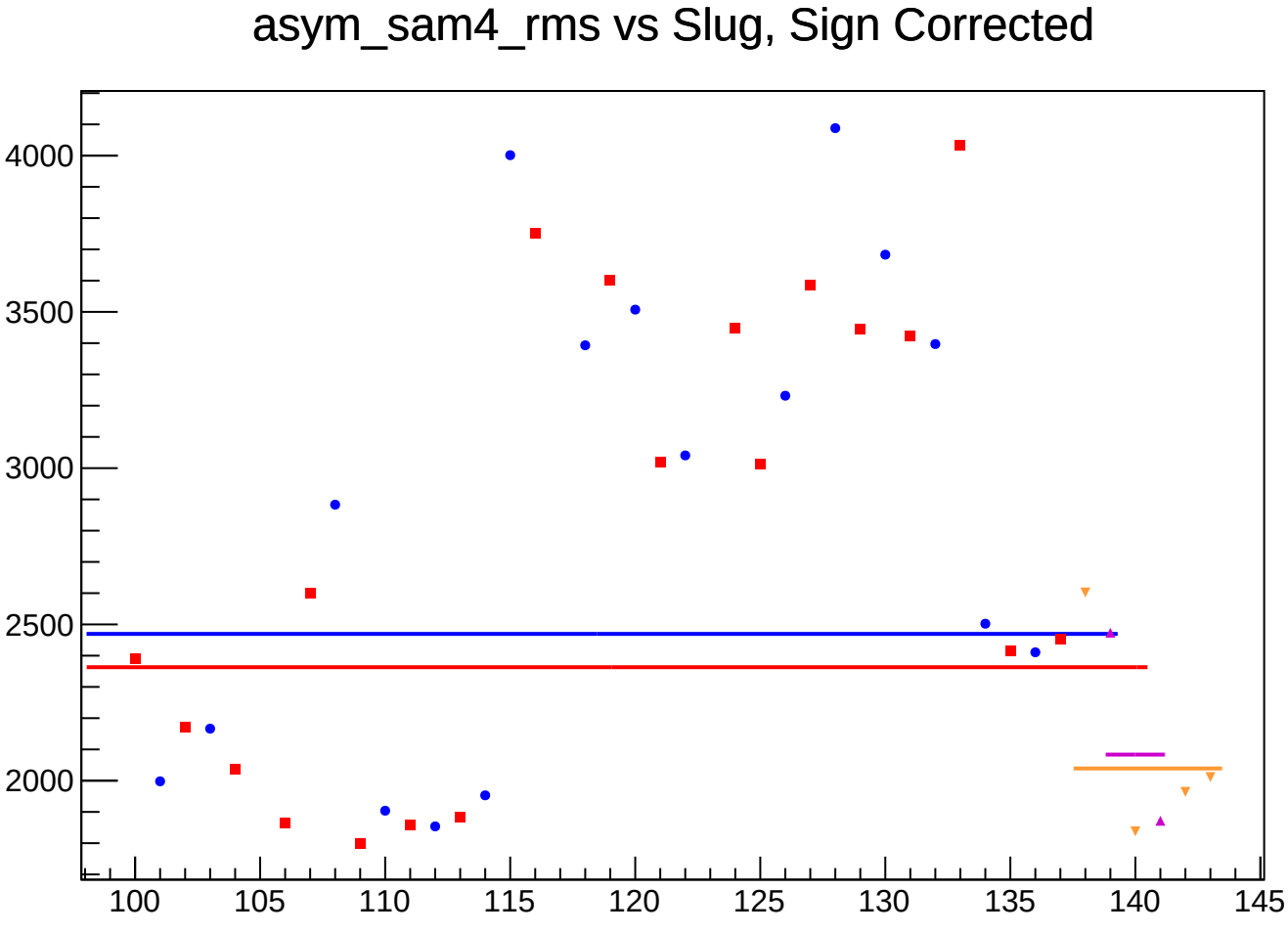
Left: 826.048+/-968.851 χ^2/NDF: 12.5/5

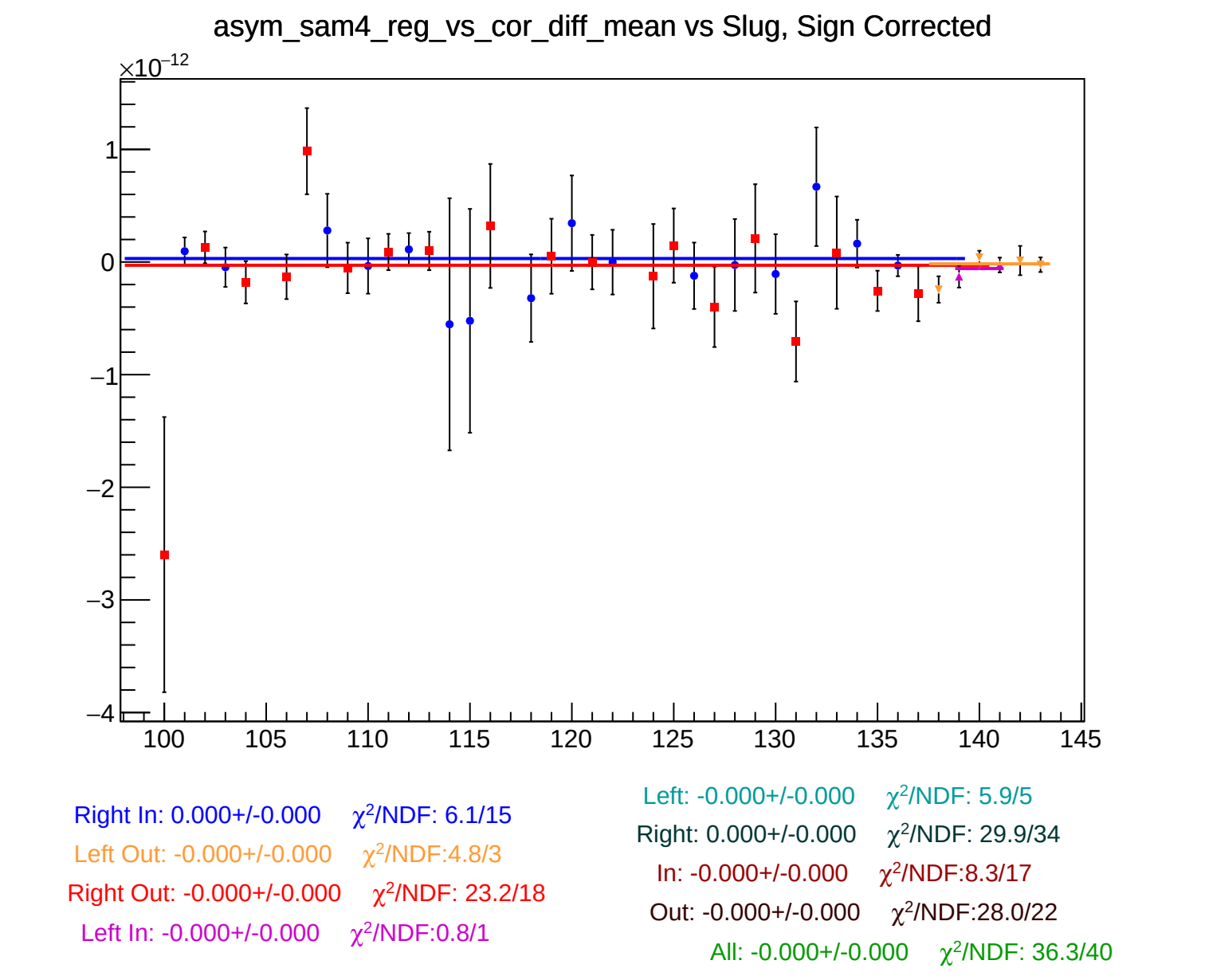
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

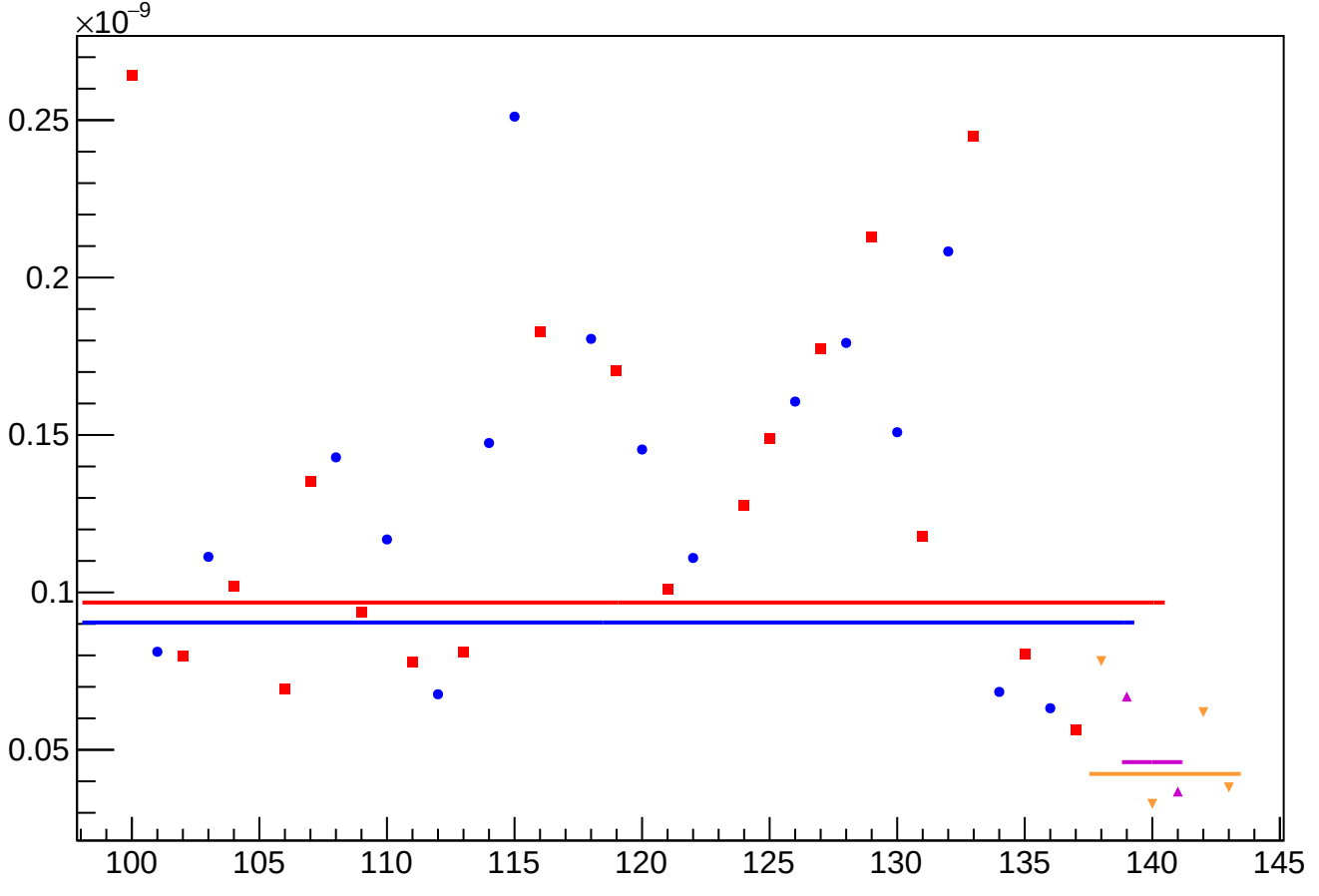
In: -26.828+/-819.273 χ^2/NDF:25.5/17

Out: -509.772+/-723.099 χ^2/NDF:27.1/22

All: -298.297+/-542.138 χ^2/NDF: 52.9/40


asym_sam4_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
105
110
115
120
125
130
135
140
145
Right In: 2469.639+/-0.674 χ²/NDF: 886179.0/15
Left Out: 2039.022+/-0.859 χ²/NDF:93851.4/3
Right Out: 2363.052+/-0.636 χ²/NDF: 1043344.3/18
Left In: 2083.423+/-1.135 χ²/NDF:64087.5/1
Left: 2055.201+/-0.685 χ²/NDF: 158911.8/5
Right: 2413.296+/-0.463 χ²/NDF: 1942755.0/34
In: 2369.003+/-0.579 χ²/NDF:1035902.0/17
Out: 2248.329+/-0.511 χ²/NDF:1229043.9/22
All: 2301.171+/-0.383 χ²/NDF: 2289336.5/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: -0.000+/-0.000 χ²/NDF:4.8/3
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: 5.9/5
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:28.0/22
All: -0.000+/-0.000 χ²/NDF: 36.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:293087.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:130617.0/1

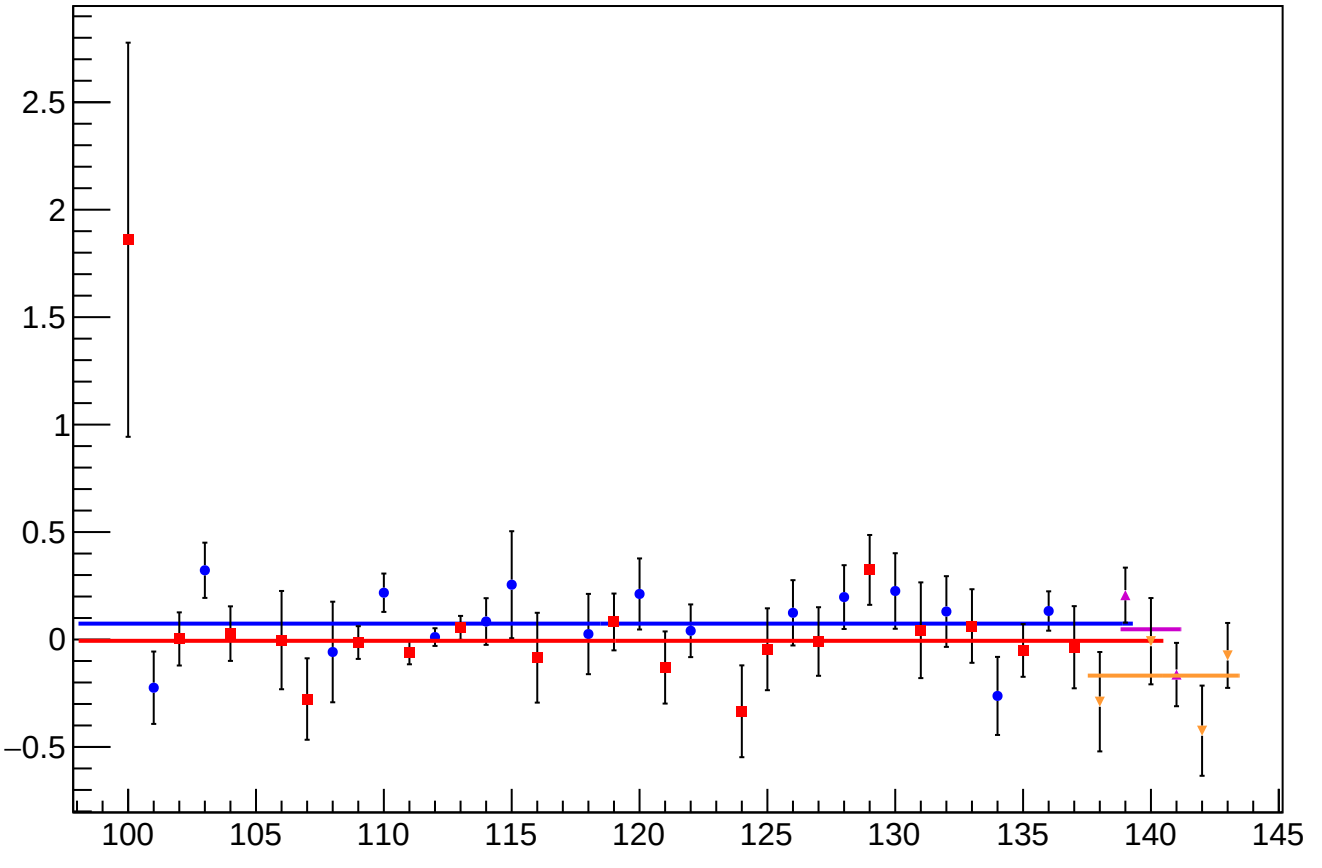
Left: 0.000+/-0.000 χ^2/NDF: 429923.8/5

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:2419429.2/22

All: 0.000+/-0.000 χ^2/NDF: 4227027.4/40



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

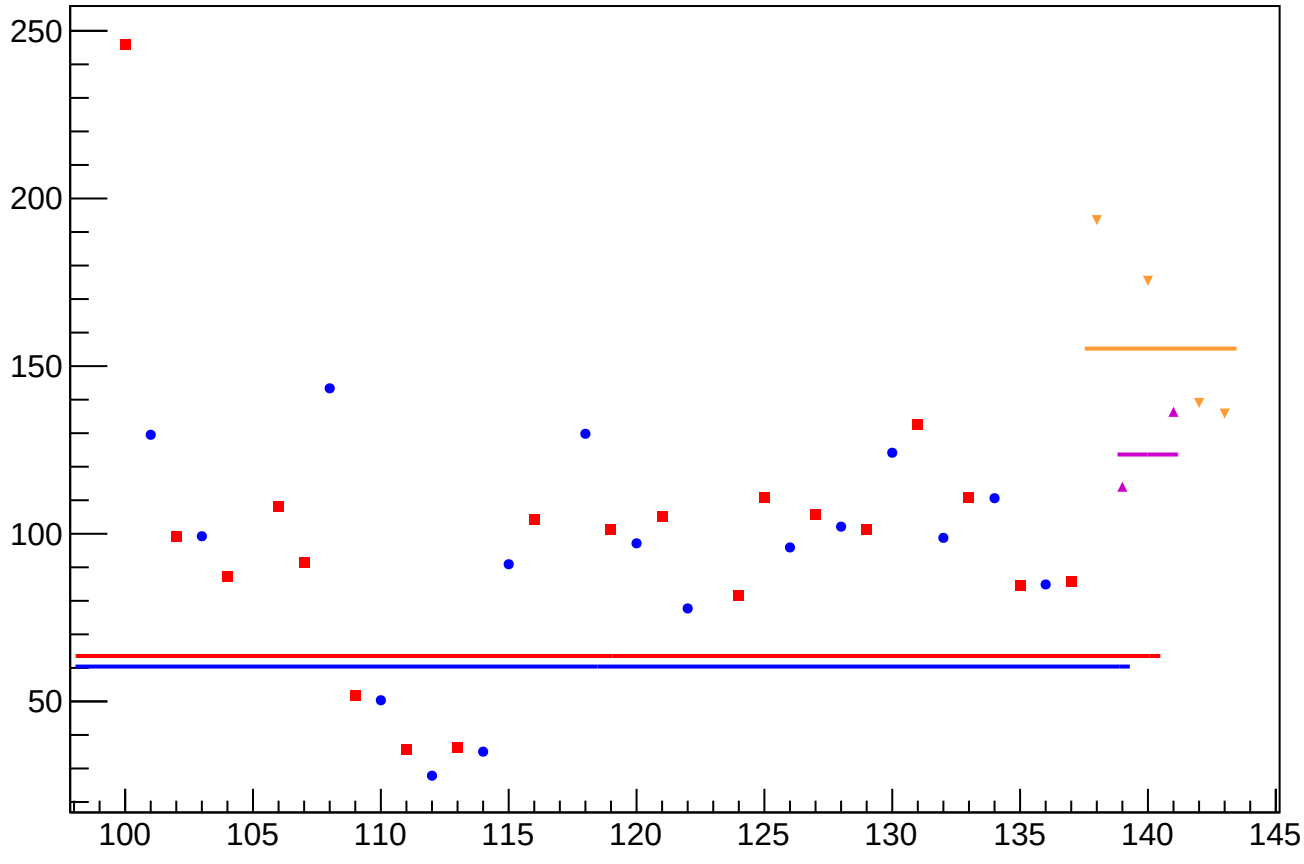
Left: -0.062+/-0.068 χ^2/NDF: 8.9/5

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.018+/-0.026 χ^2/NDF:21.9/22

All: 0.027+/-0.018 χ^2/NDF: 50.5/40



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 155.229+/-0.067 χ^2/NDF:120125.2/3

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 123.642+/-0.068 χ^2/NDF:26197.1/1

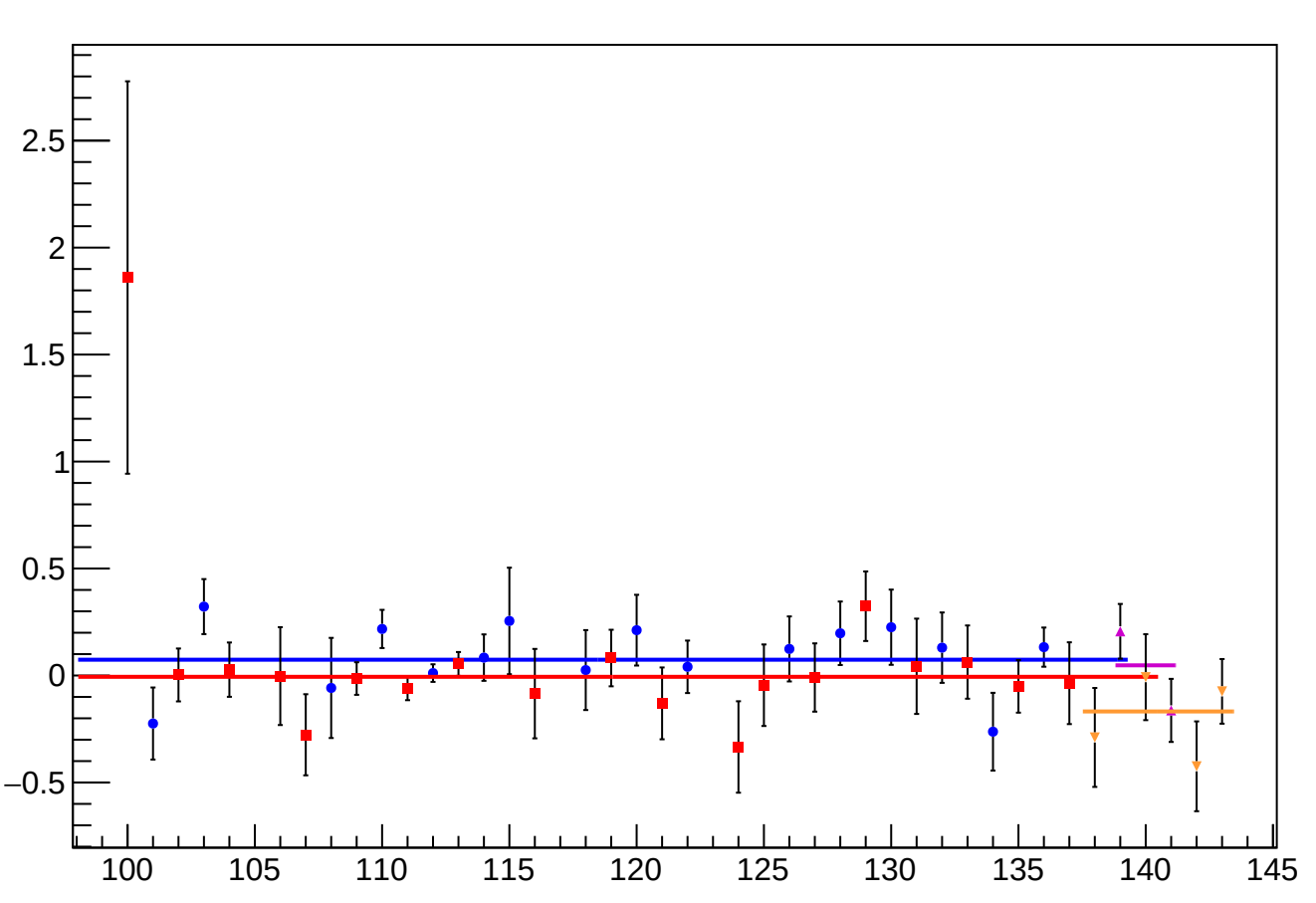
Left: 139.652+/-0.048 χ^2/NDF: 254599.8/5

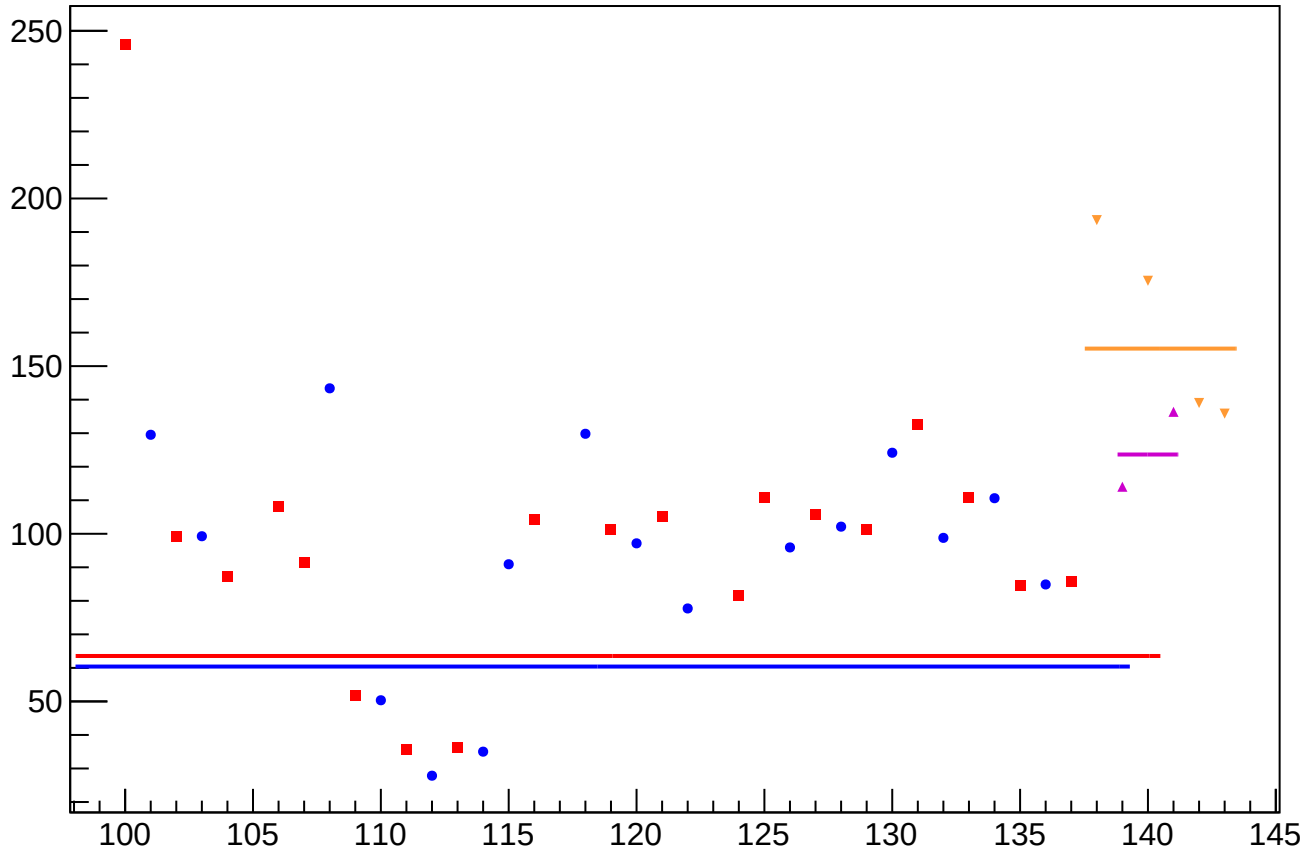
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 64.983+/-0.018 χ^2/NDF:4358544.5/17

Out: 70.281+/-0.018 χ^2/NDF:4488409.0/22

All: 67.651+/-0.013 χ^2/NDF: 8888735.3/40


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
105
110
115
120
125
130
135
140
145
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.168+/-0.095 χ²/NDF:2.8/3
Right Out: -0.006+/-0.027 χ²/NDF: 16.4/18
Left In: 0.048+/-0.097 χ²/NDF:3.6/1
Left: -0.062+/-0.068 χ²/NDF: 8.9/5
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.072+/-0.026 χ²/NDF:22.6/17
Out: -0.018+/-0.026 χ²/NDF:21.9/22
All: 0.027+/-0.018 χ²/NDF: 50.5/40



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 155.229+/-0.067 χ^2/NDF:120125.2/3

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 123.642+/-0.068 χ^2/NDF:26197.1/1

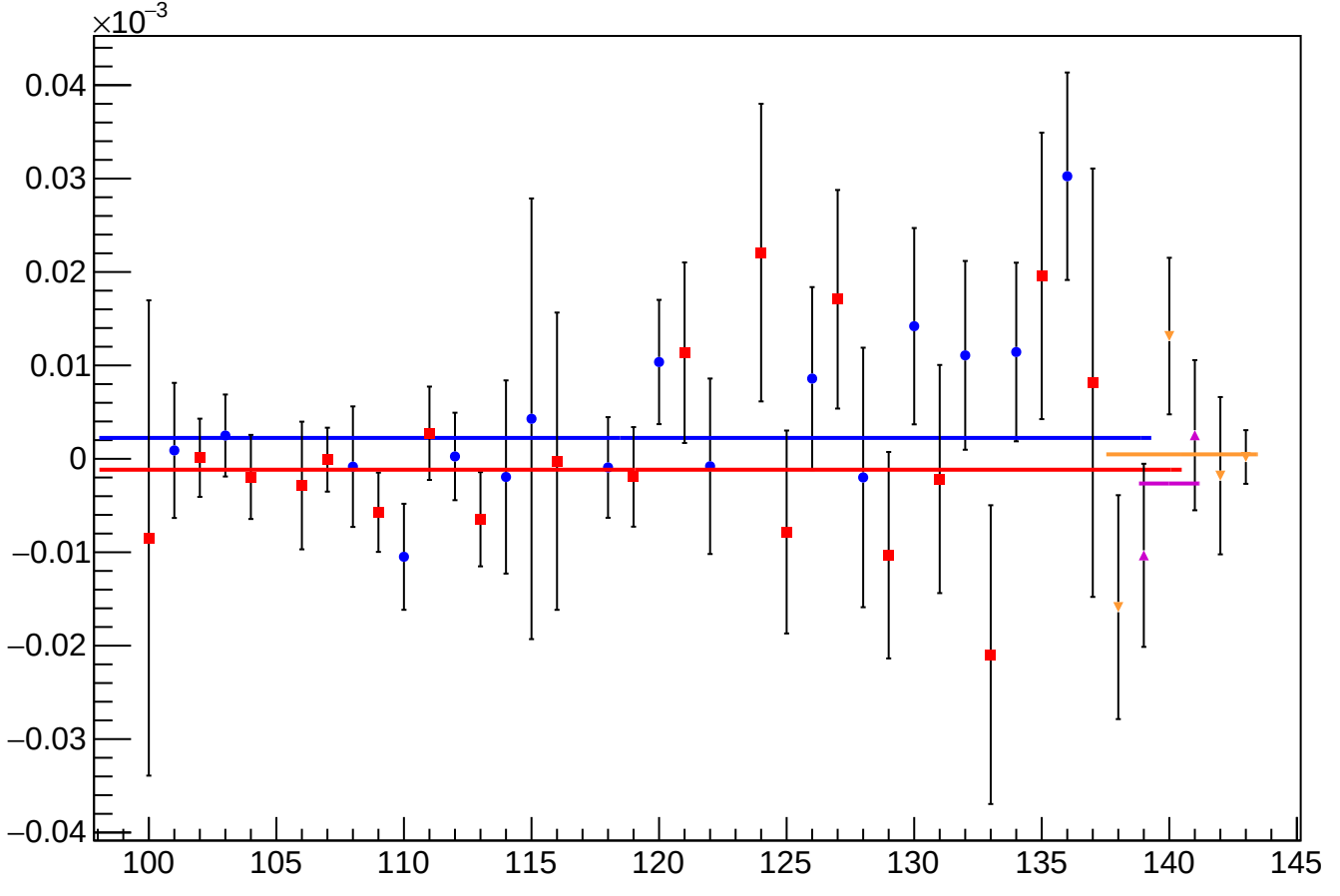
Left: 139.652+/-0.048 χ^2/NDF: 254599.8/5

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 64.983+/-0.018 χ^2/NDF:4358544.5/17

Out: 70.281+/-0.018 χ^2/NDF:4488409.0/22

All: 67.651+/-0.013 χ^2/NDF: 8888735.3/40



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

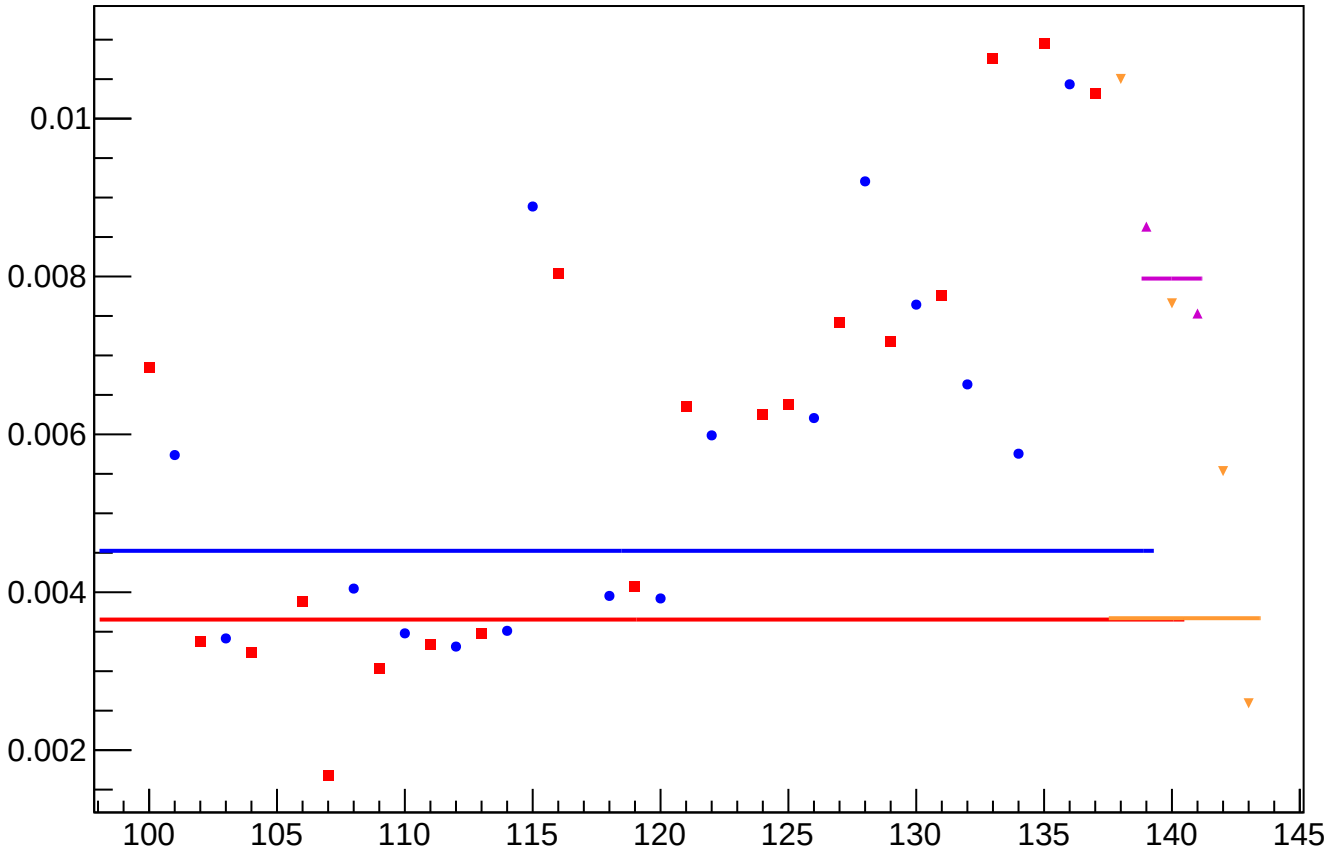
Left: 0.000+/-0.000 χ^2/NDF: 5.5/5

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:18.6/22

All: 0.000+/-0.000 χ^2/NDF: 39.1/40



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1482702.4/3

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.008+/-0.000 χ^2/NDF:15089.3/1

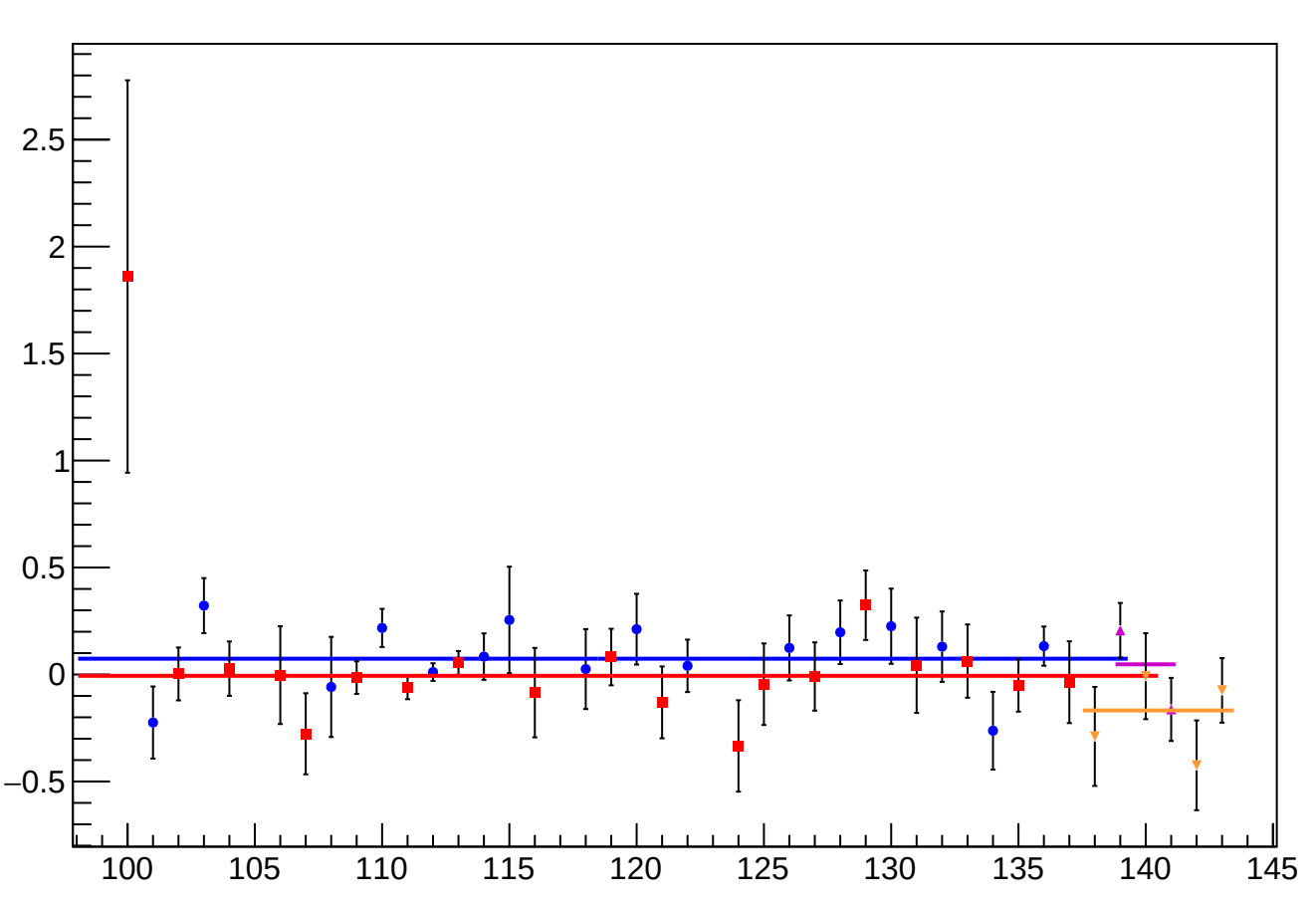
Left: 0.004+/-0.000 χ^2/NDF: 2320500.0/5

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:4416017.2/22

All: 0.004+/-0.000 χ^2/NDF: 7271239.5/40



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

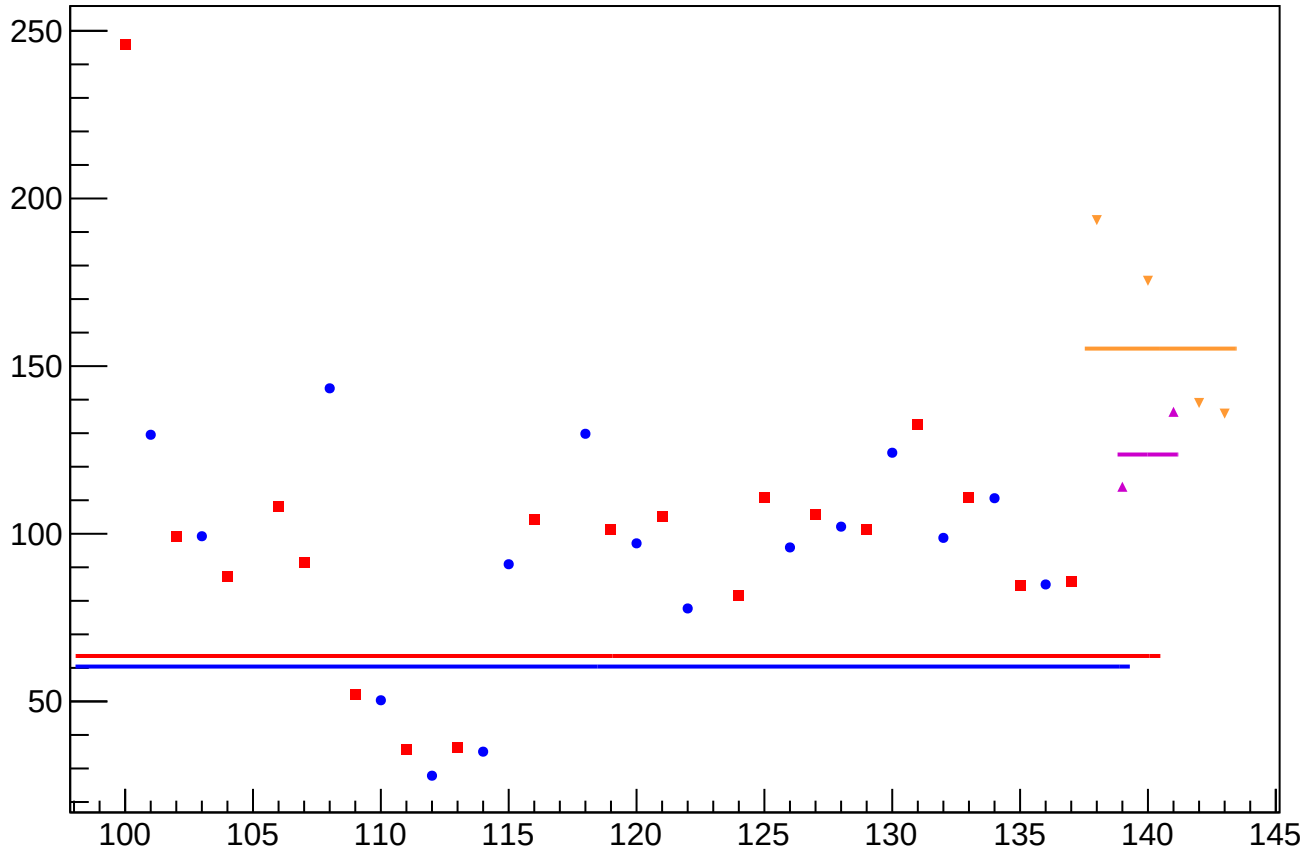
Left: -0.062+/-0.068 χ^2/NDF: 8.9/5

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.018+/-0.026 χ^2/NDF:21.9/22

All: 0.027+/-0.018 χ^2/NDF: 50.5/40



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 155.230+/-0.067 χ^2/NDF:120116.9/3

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: 139.652+/-0.048 χ^2/NDF: 254607.1/5

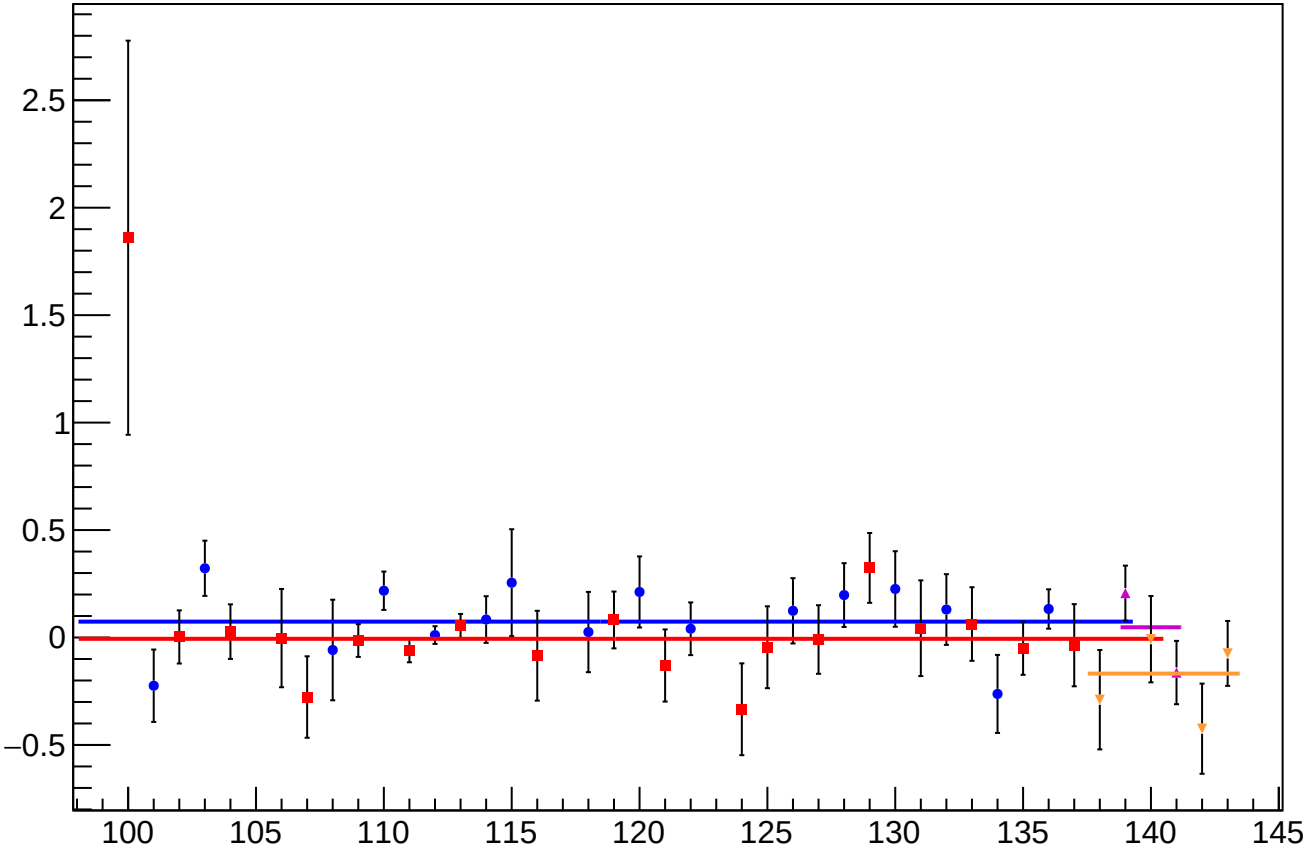
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 64.981+/-0.018 χ^2/NDF:4358855.6/17

Out: 70.279+/-0.018 χ^2/NDF:4488758.2/22

All: 67.649+/-0.013 χ^2/NDF: 8889401.0/40

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: -0.168+/-0.095 χ^2/NDF:2.8/3

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.048+/-0.097 χ^2/NDF:3.6/1

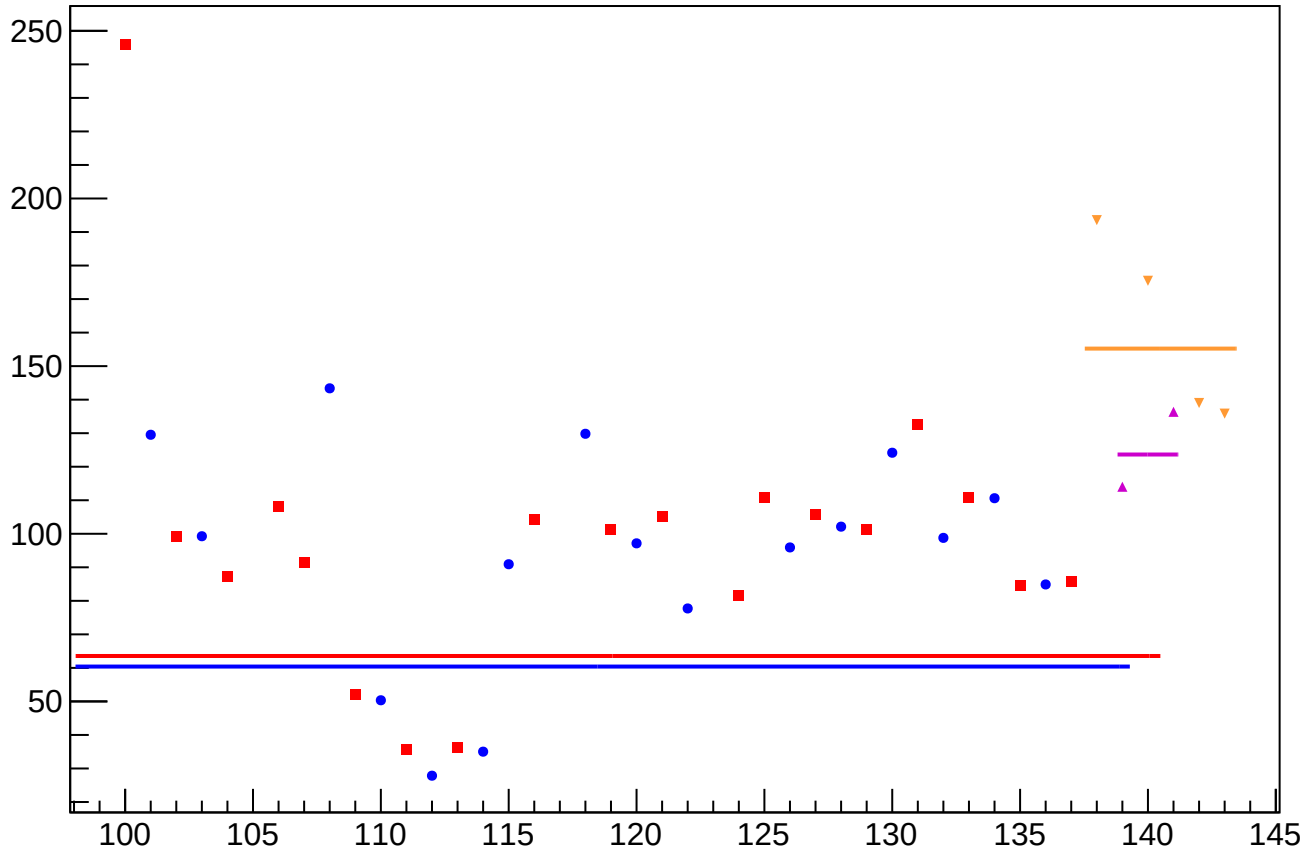
Left: -0.062+/-0.068 χ^2/NDF: 8.9/5

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.026 χ^2/NDF:22.6/17

Out: -0.018+/-0.026 χ^2/NDF:21.9/22

All: 0.027+/-0.018 χ^2/NDF: 50.5/40



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 155.230+/-0.067 χ^2/NDF:120116.9/3

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 123.641+/-0.068 χ^2/NDF:26203.6/1

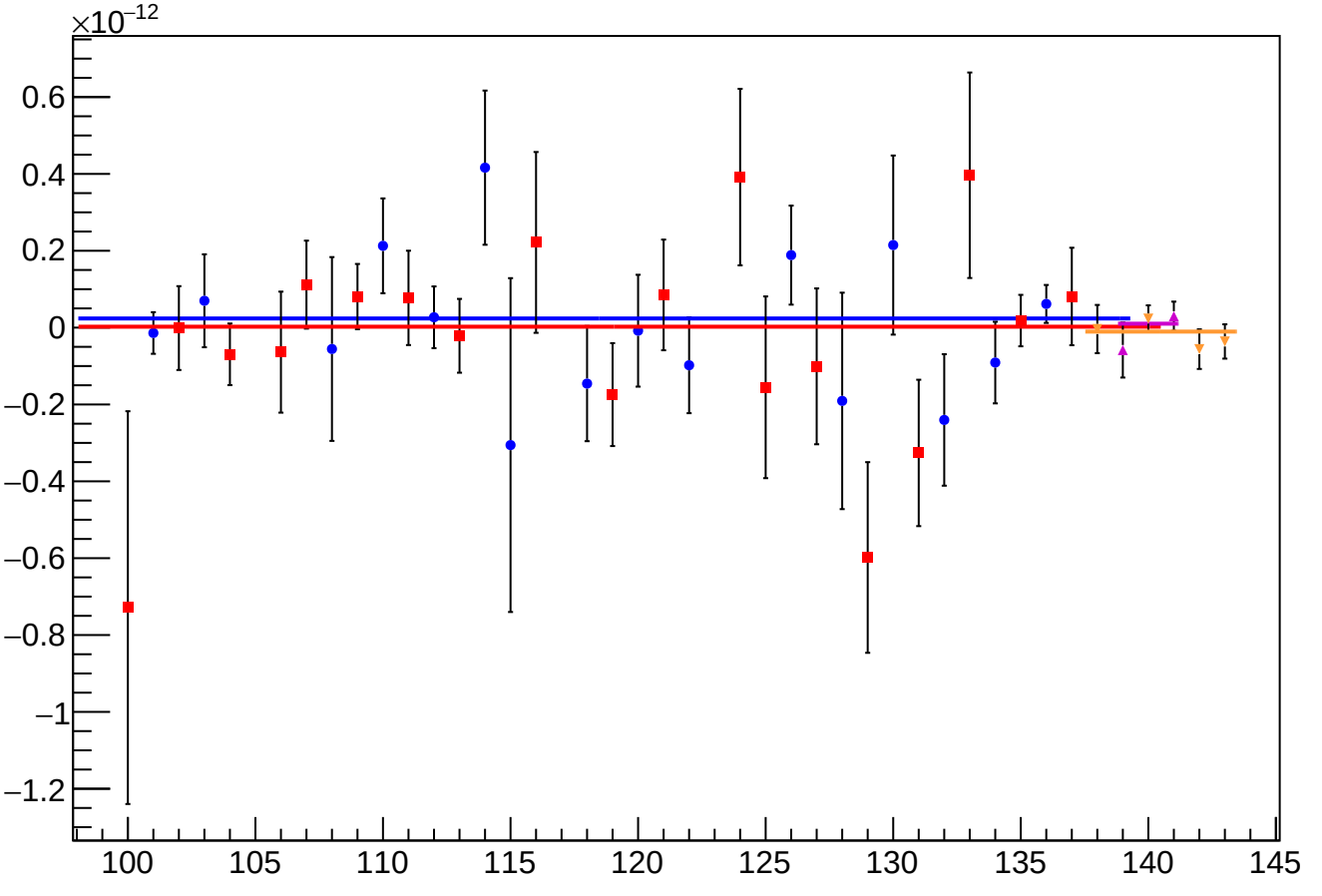
Left: 139.652+/-0.048 χ^2/NDF: 254607.1/5

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 64.981+/-0.018 χ^2/NDF:4358855.6/17

Out: 70.279+/-0.018 χ^2/NDF:4488758.2/22

All: 67.649+/-0.013 χ^2/NDF: 8889401.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/1

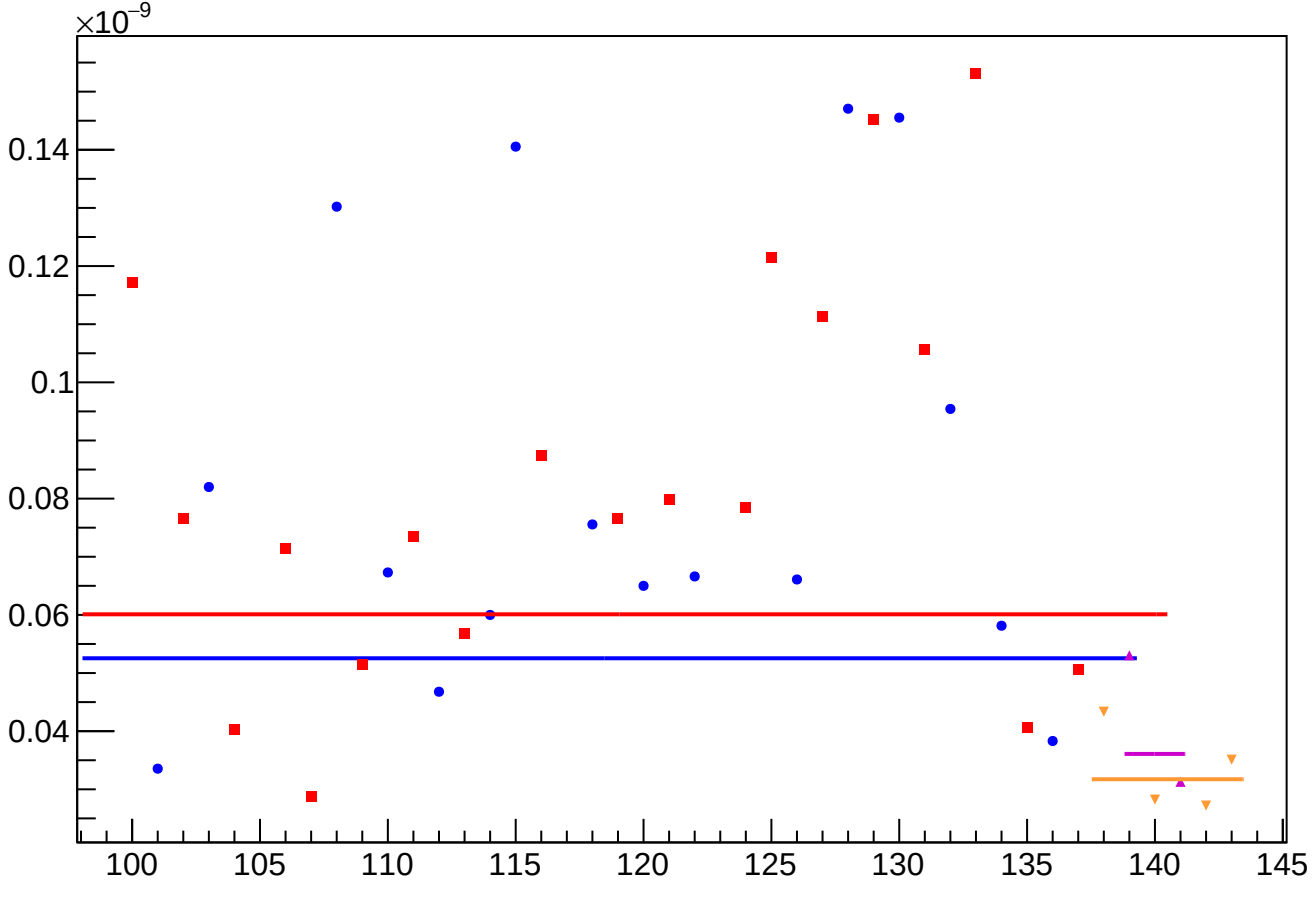
Left: -0.000+/-0.000 χ^2/NDF: 3.5/5

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:25.4/22

All: 0.000+/-0.000 χ^2/NDF: 44.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:116090.9/3

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: 283422.7/5

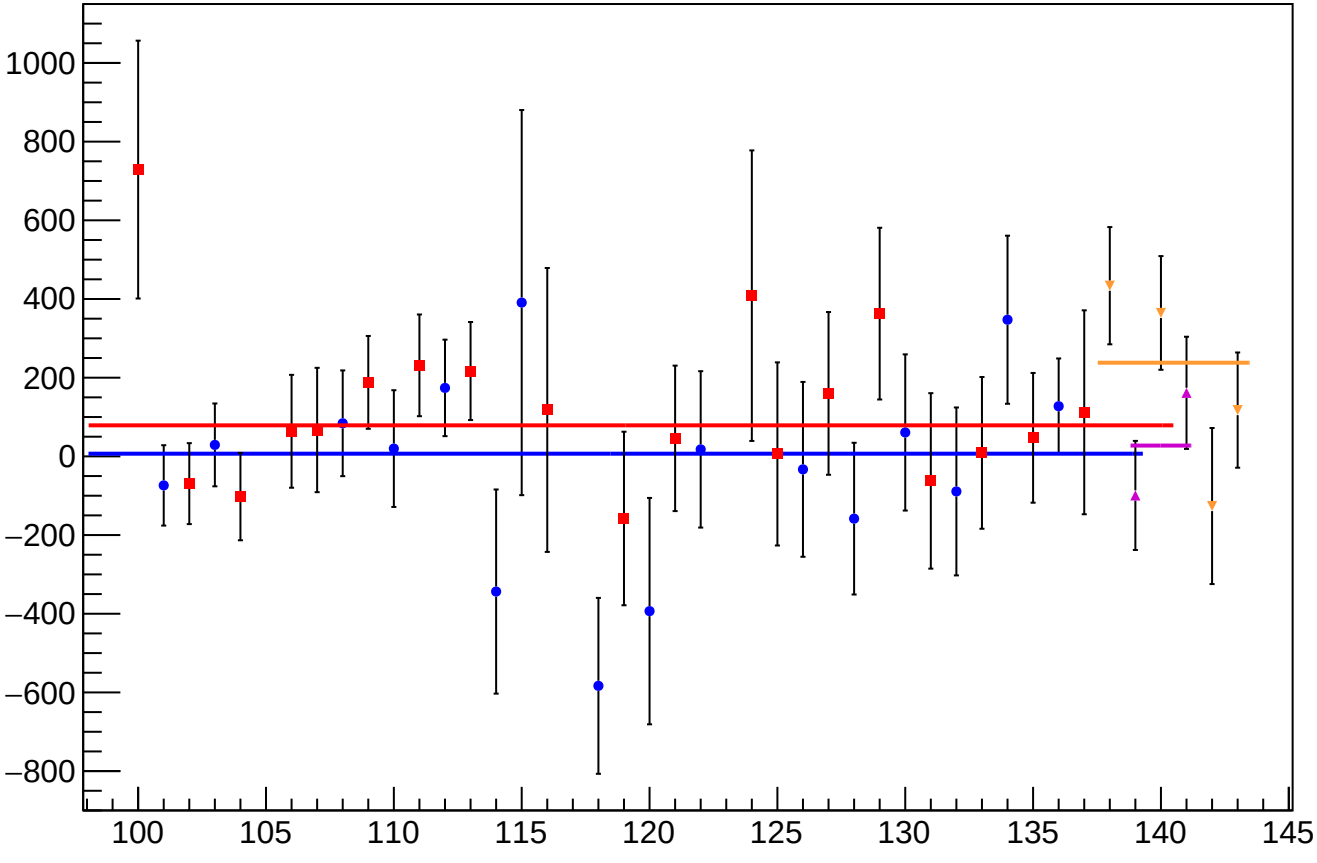
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2091468.6/17

Out: 0.000+/-0.000 χ^2/NDF:2855710.8/22

All: 0.000+/-0.000 χ^2/NDF: 4987174.4/40

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.059+/-77.852 χ^2/NDF:6.5/3

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: 157.987+/-61.289 χ^2/NDF: 11.0/5

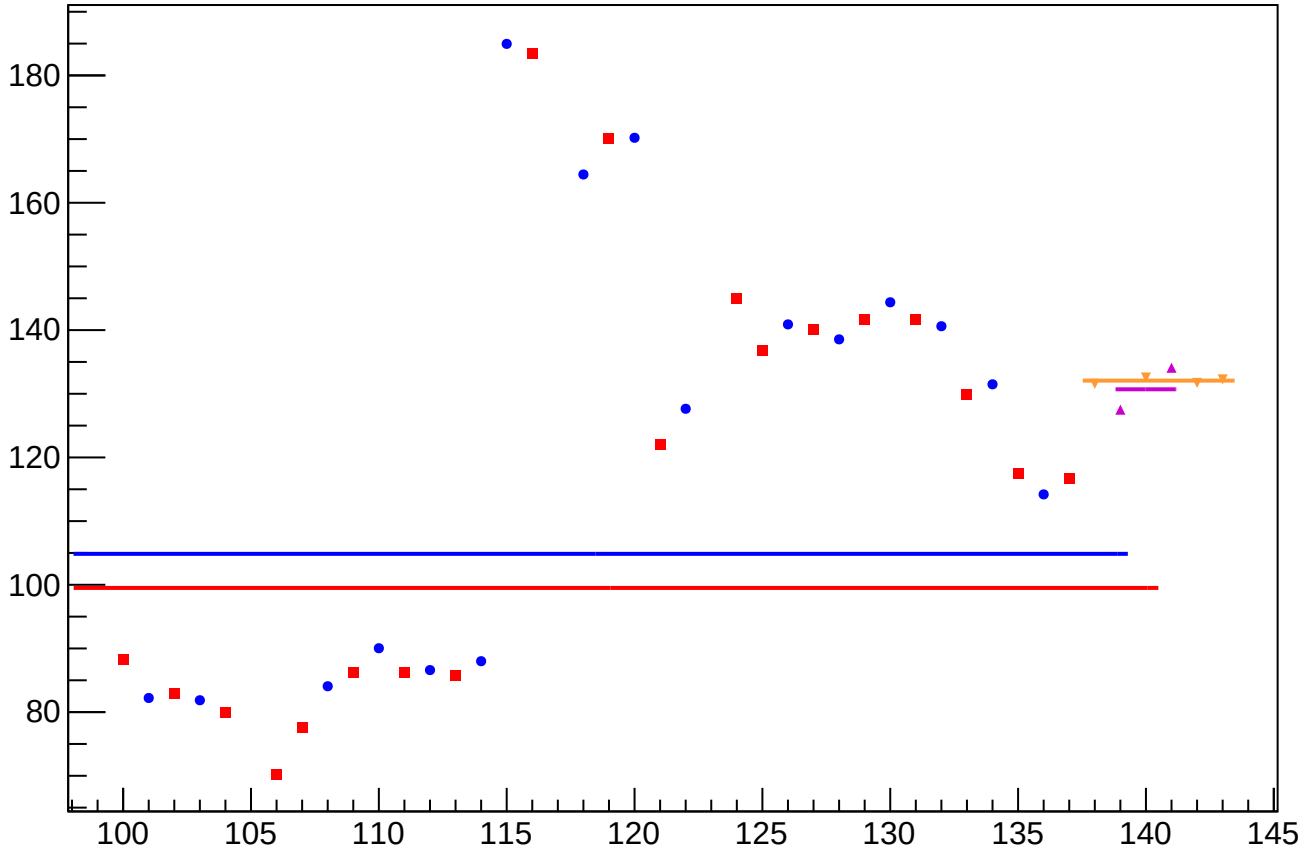
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 9.735+/-37.389 χ^2/NDF:20.5/17

Out: 109.387+/-34.081 χ^2/NDF:26.6/22

All: 64.164+/-25.187 χ^2/NDF: 51.0/40

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

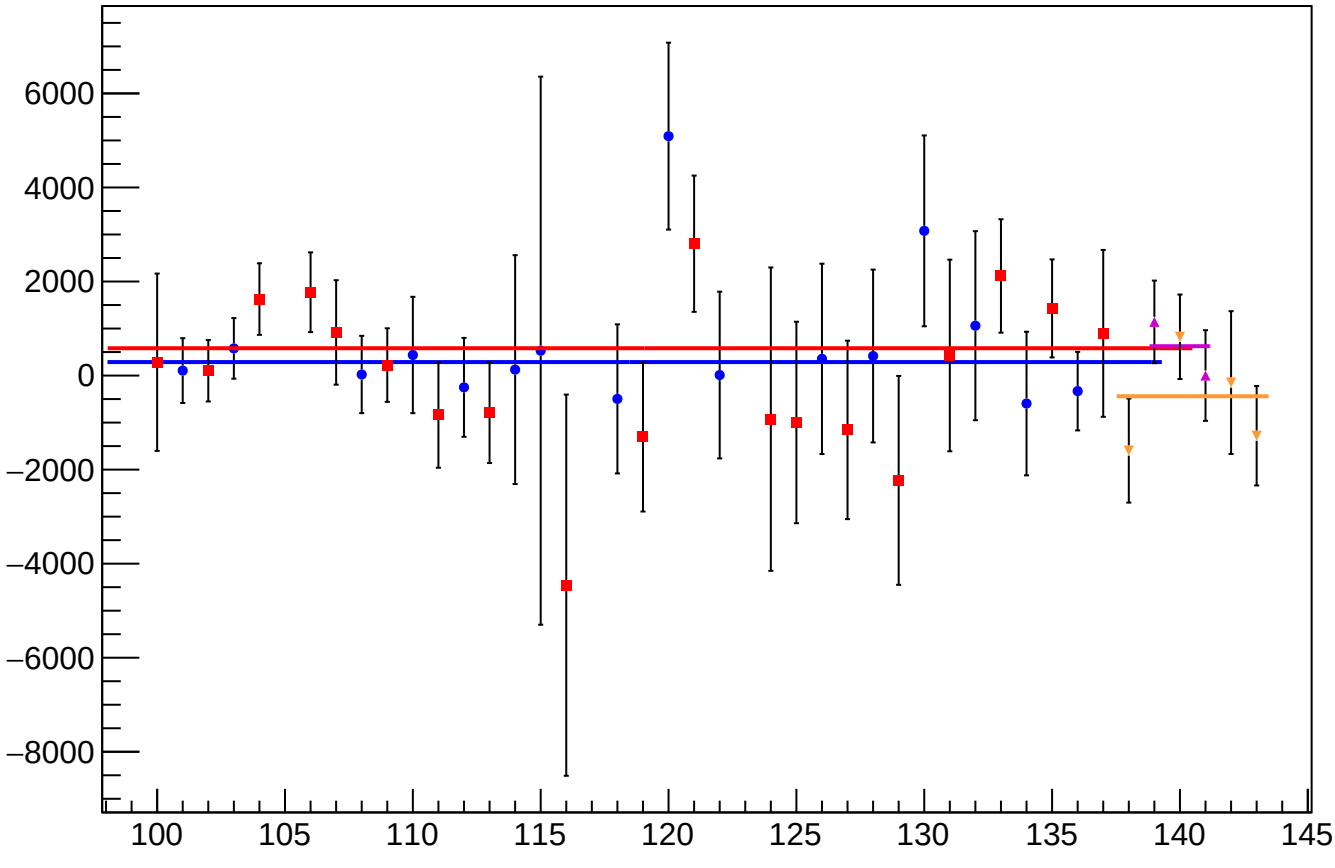
Left: 131.549+/-0.043 χ^2/NDF: 2482.7/5

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 108.517+/-0.026 χ^2/NDF:1049512.8/17

Out: 105.747+/-0.024 χ^2/NDF:1321880.3/22

All: 107.004+/-0.018 χ^2/NDF: 2377386.9/40



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -440.040+/-543.606 χ^2/NDF:3.7/3

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: -1.015+/-416.714 χ^2/NDF: 6.1/5

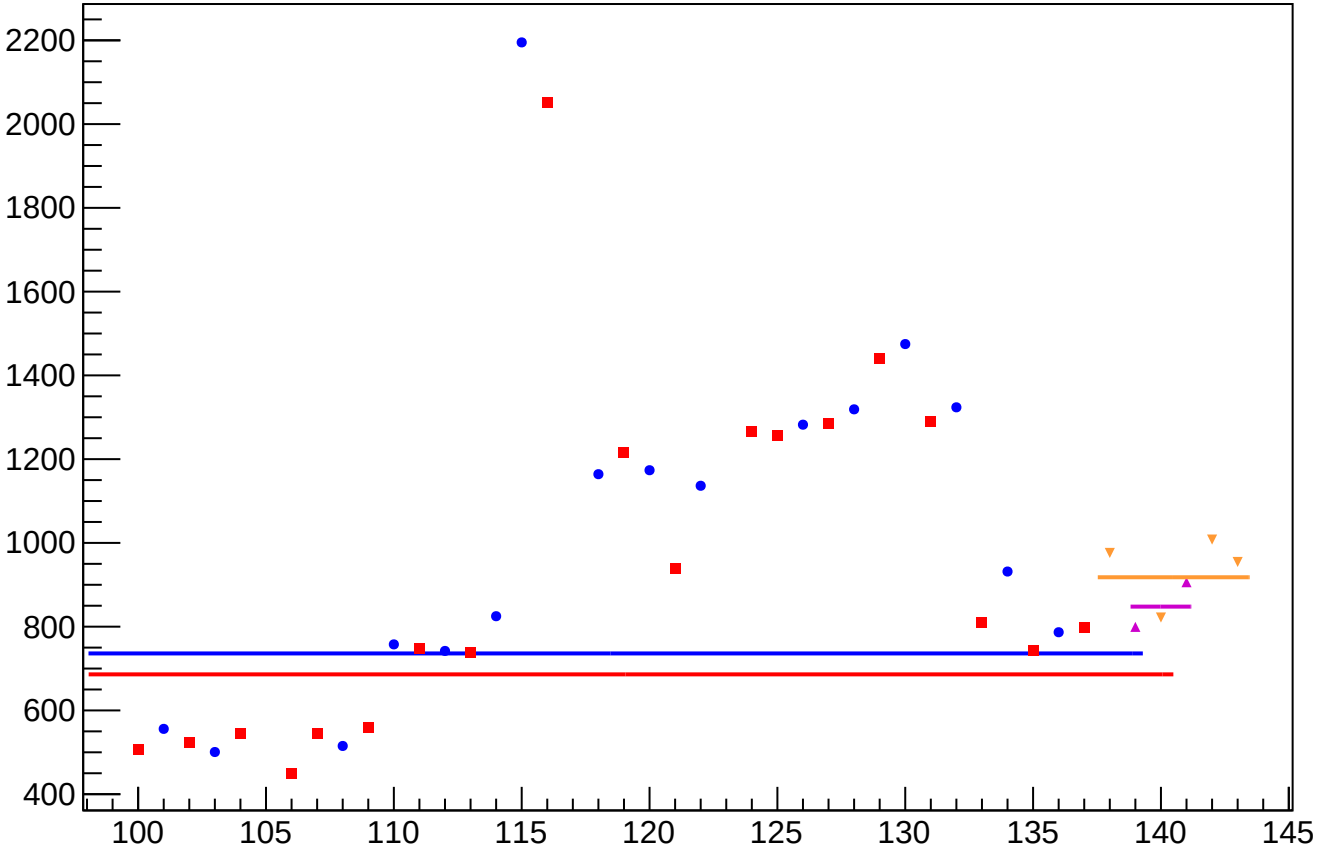
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 344.255+/-267.400 χ^2/NDF:10.7/17

Out: 379.402+/-241.654 χ^2/NDF:25.3/22

All: 363.602+/-179.288 χ^2/NDF: 36.0/40

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.6/3

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 847.872+/-0.459 χ^2/NDF:13382.1/1

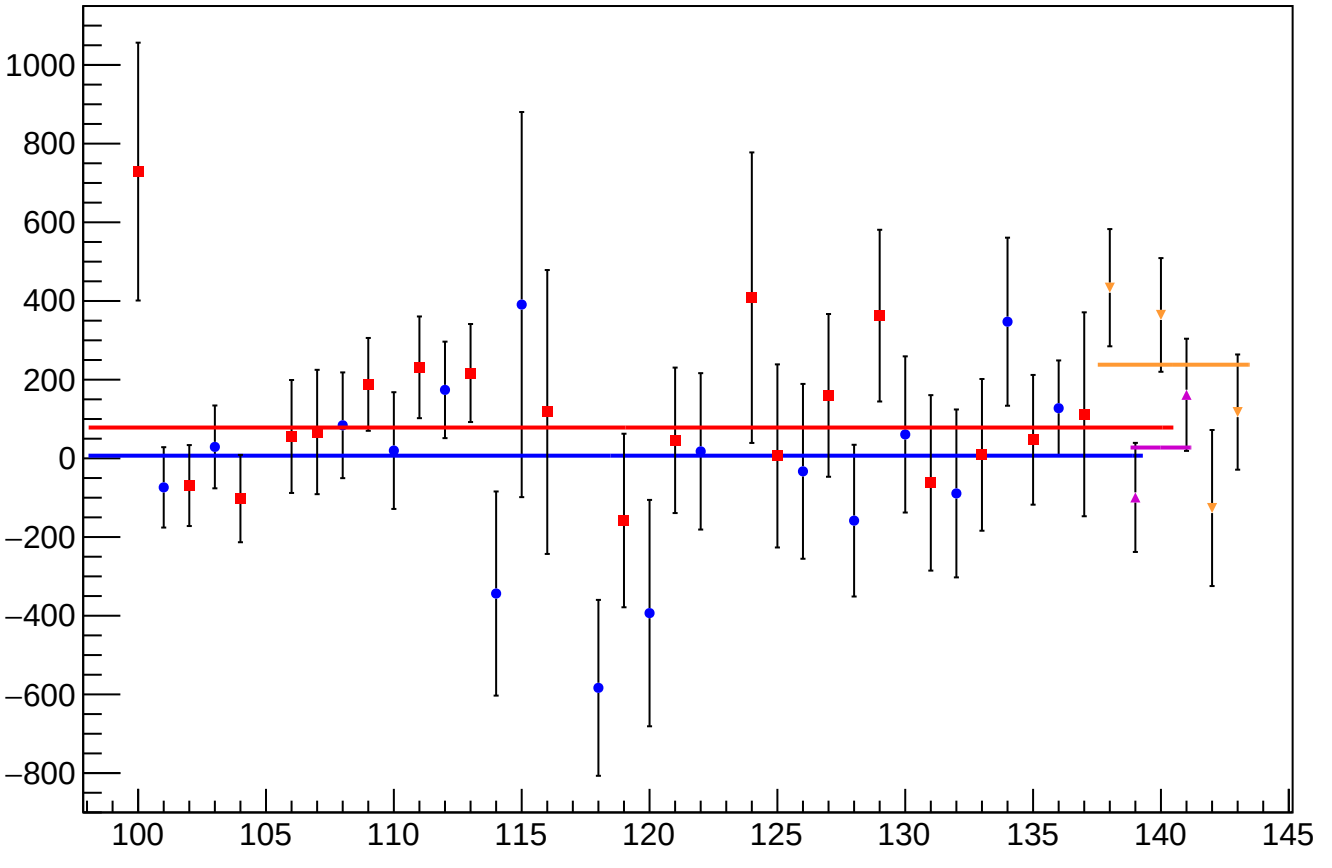
Left: 889.060+/-0.295 χ^2/NDF: 64909.8/5

Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 755.065+/-0.189 χ^2/NDF:1907151.0/17

Out: 731.926+/-0.171 χ^2/NDF:2148922.1/22

All: 742.328+/-0.127 χ^2/NDF: 4064316.7/40



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.060+/-77.852 χ^2/NDF:6.5/3

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: 157.991+/-61.289 χ^2/NDF: 11.0/5

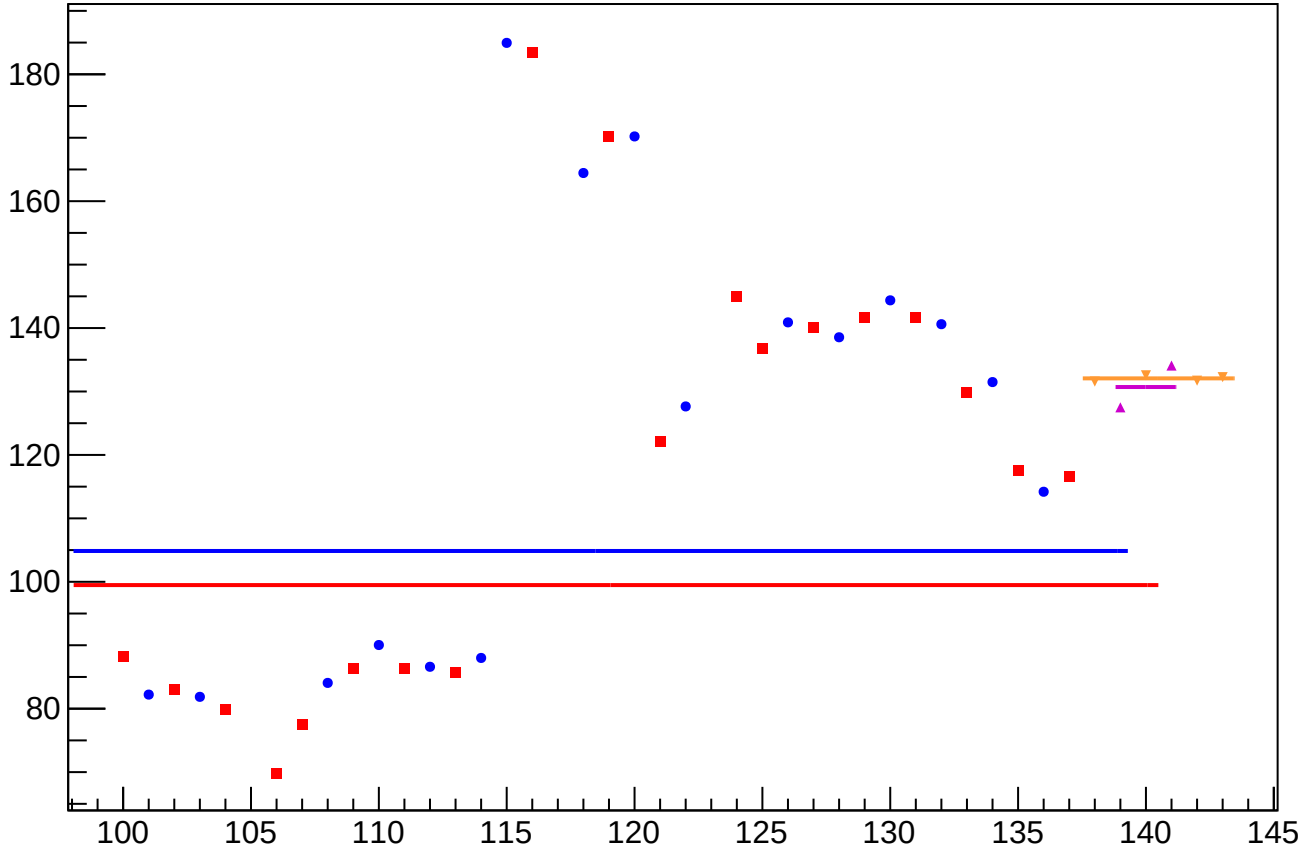
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 9.726+/-37.389 χ^2/NDF:20.5/17

Out: 108.958+/-34.083 χ^2/NDF:26.6/22

All: 63.923+/-25.188 χ^2/NDF: 51.0/40

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

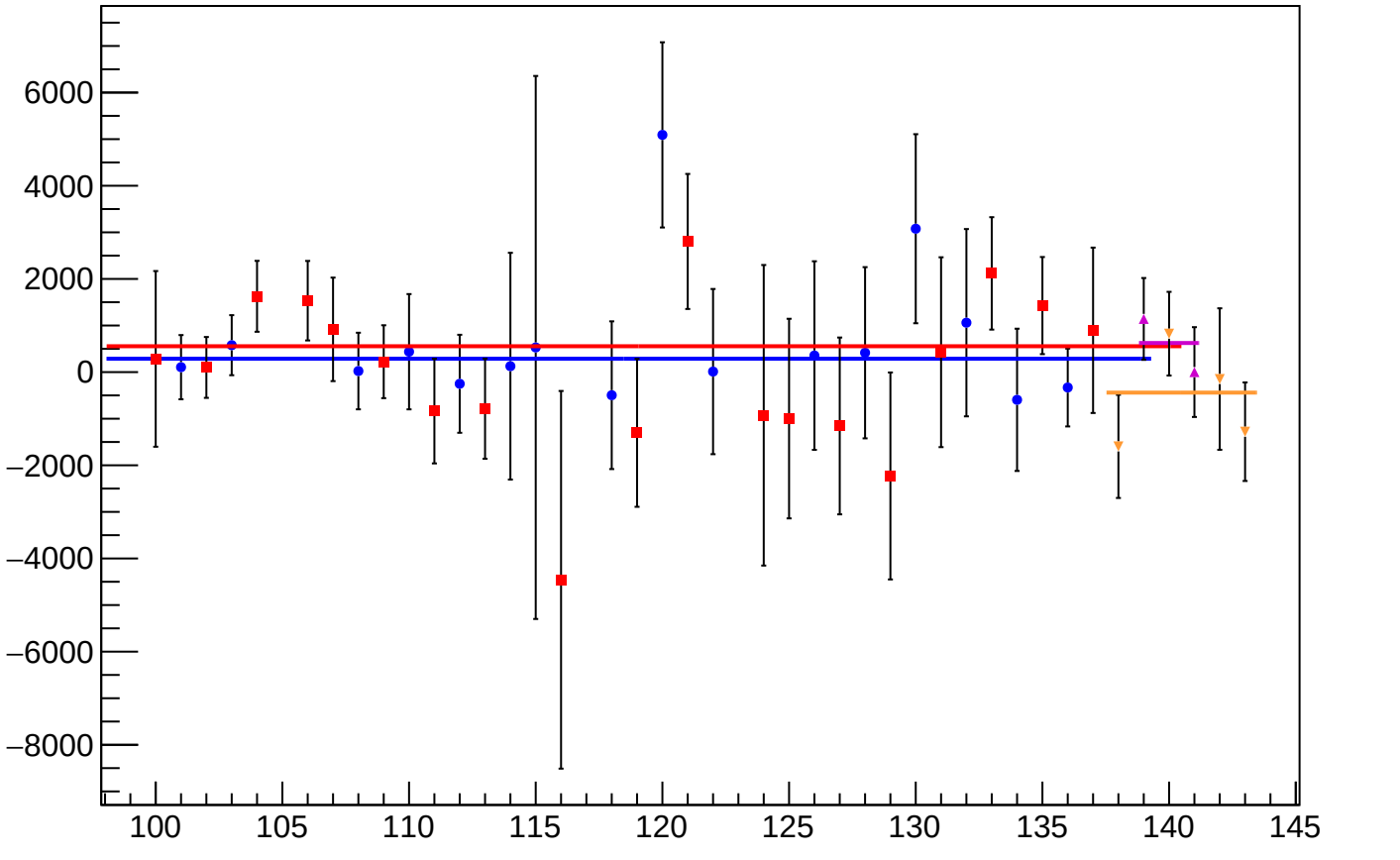
Left: 131.549+/-0.043 χ^2/NDF: 2482.7/5

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 108.517+/-0.026 χ^2/NDF:1049511.9/17

Out: 105.729+/-0.024 χ^2/NDF:1324474.5/22

All: 106.994+/-0.018 χ^2/NDF: 2380060.8/40



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.033+/-543.606 χ^2/NDF:3.7/3

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: -1.013+/-416.715 χ^2/NDF: 6.1/5

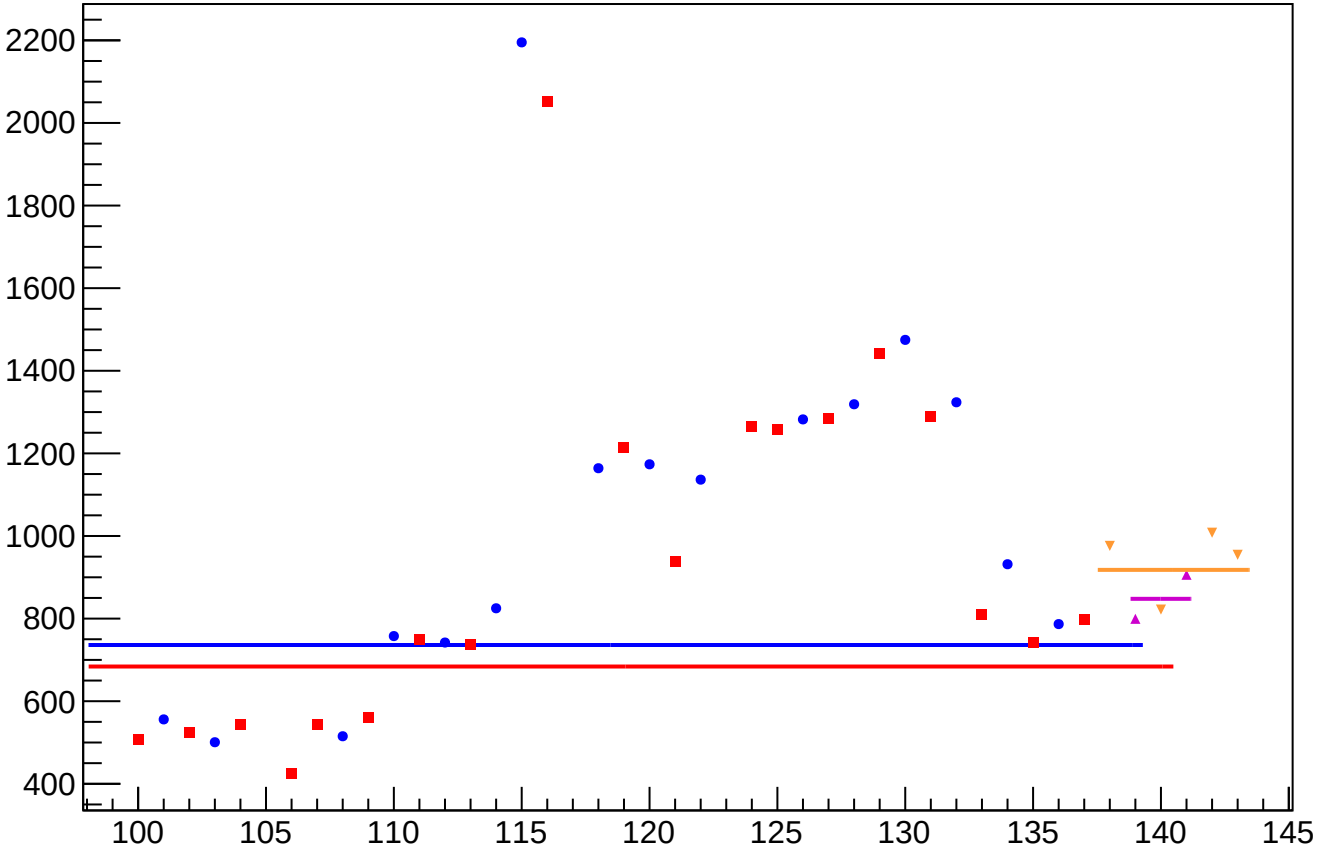
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 344.256+/-267.400 χ^2/NDF:10.7/17

Out: 358.509+/-241.782 χ^2/NDF:24.5/22

All: 352.098+/-179.340 χ^2/NDF: 35.1/40

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.5/3

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 847.872+/-0.459 χ^2/NDF:13382.2/1

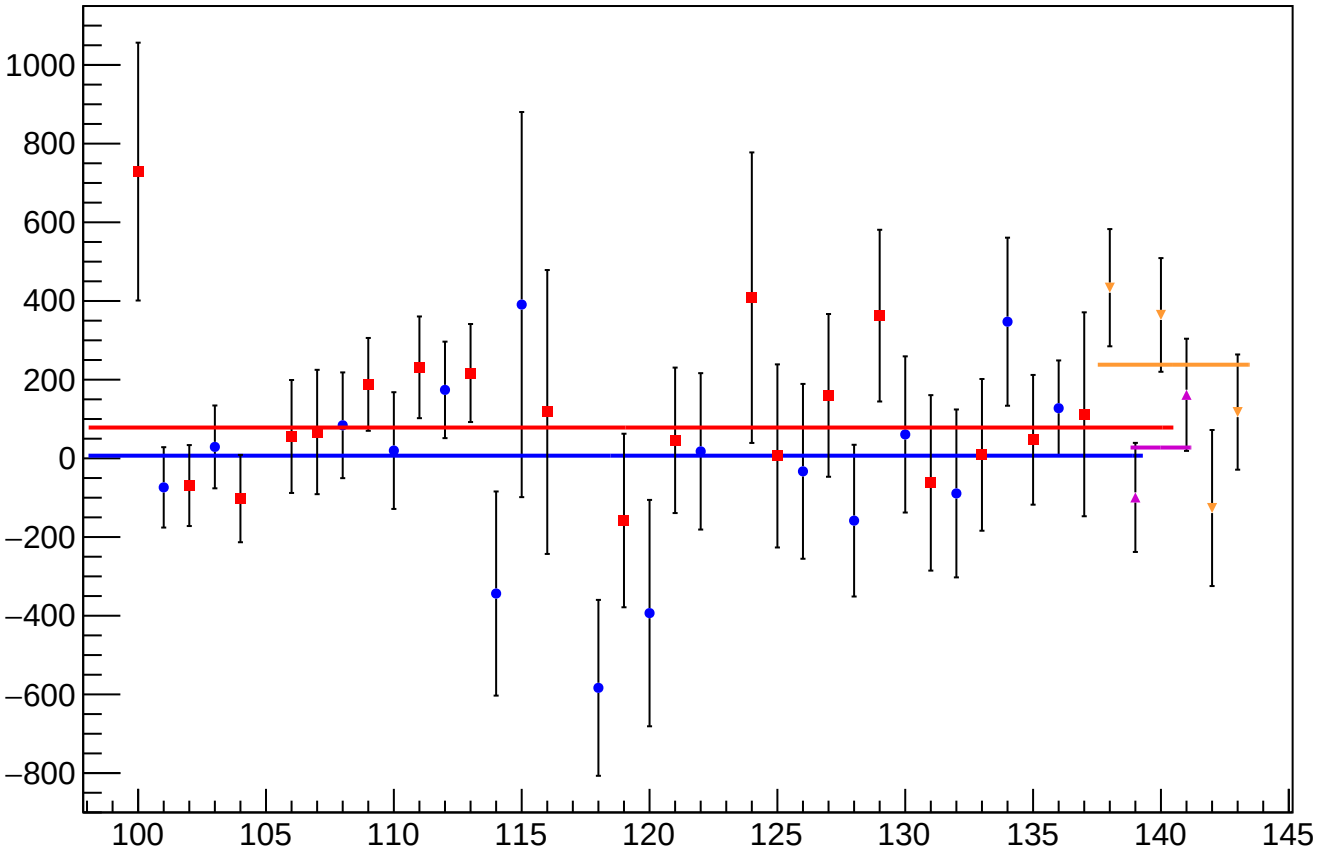
Left: 889.060+/-0.295 χ^2/NDF: 64909.9/5

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 755.064+/-0.189 χ^2/NDF:1907153.6/17

Out: 730.268+/-0.171 χ^2/NDF:2185453.1/22

All: 741.422+/-0.127 χ^2/NDF: 4102069.1/40



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 238.060+/-77.852 χ^2/NDF:6.5/3

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 27.484+/-99.392 χ^2/NDF:1.7/1

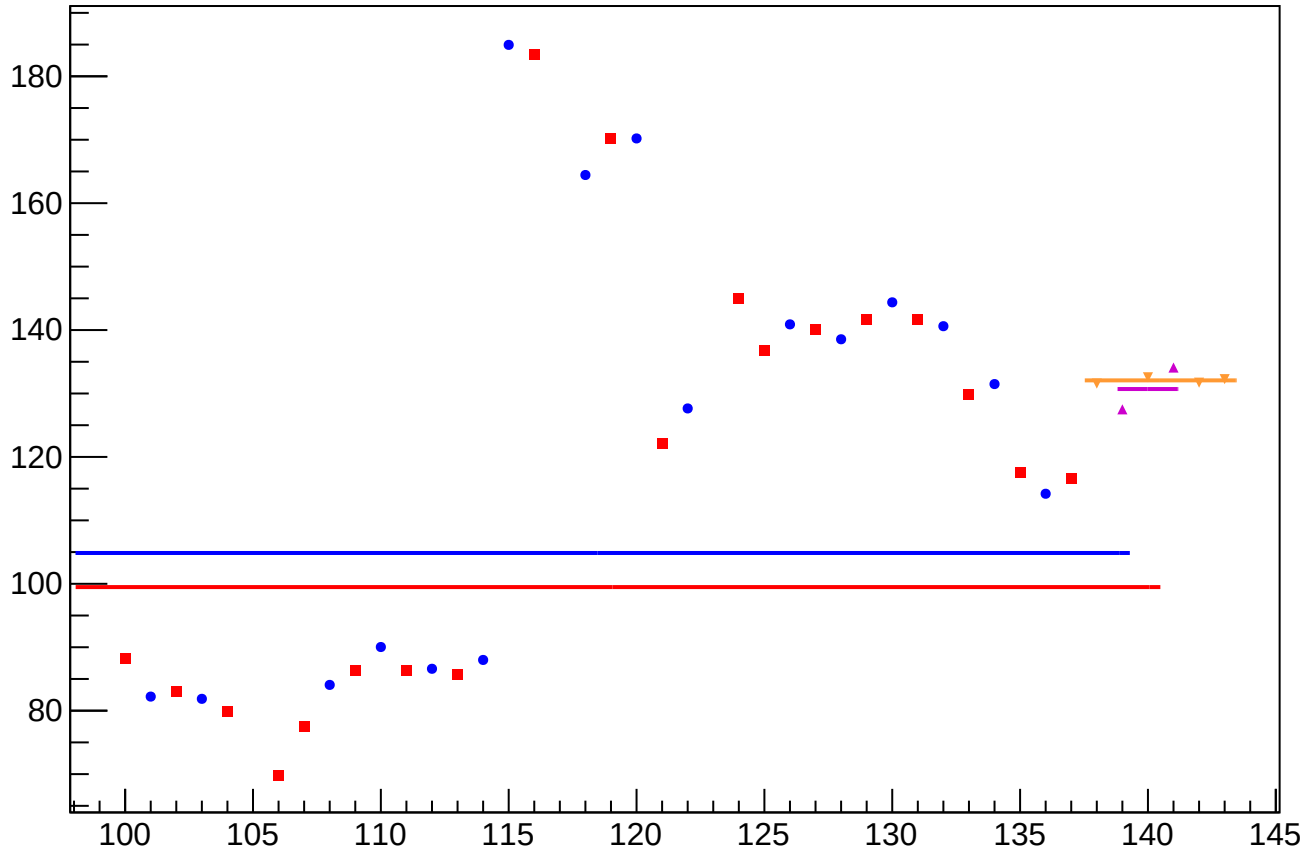
Left: 157.991+/-61.289 χ^2/NDF: 11.0/5

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 9.726+/-37.389 χ^2/NDF:20.5/17

Out: 108.958+/-34.083 χ^2/NDF:26.6/22

All: 63.923+/-25.188 χ^2/NDF: 51.0/40



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 132.067+/-0.055 χ^2/NDF:55.7/3

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 130.704+/-0.070 χ^2/NDF:2193.9/1

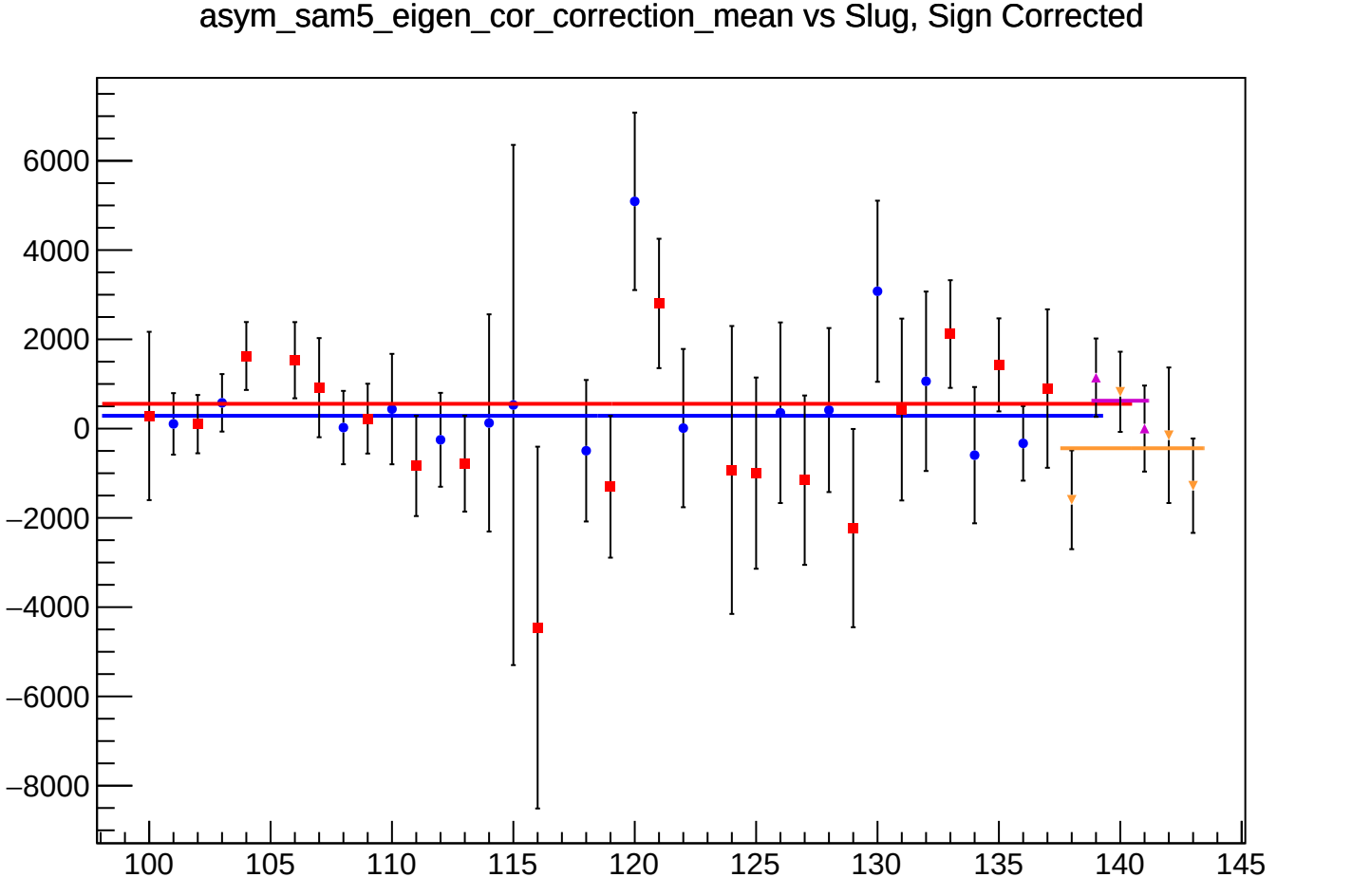
Left: 131.549+/-0.043 χ^2/NDF: 2482.7/5

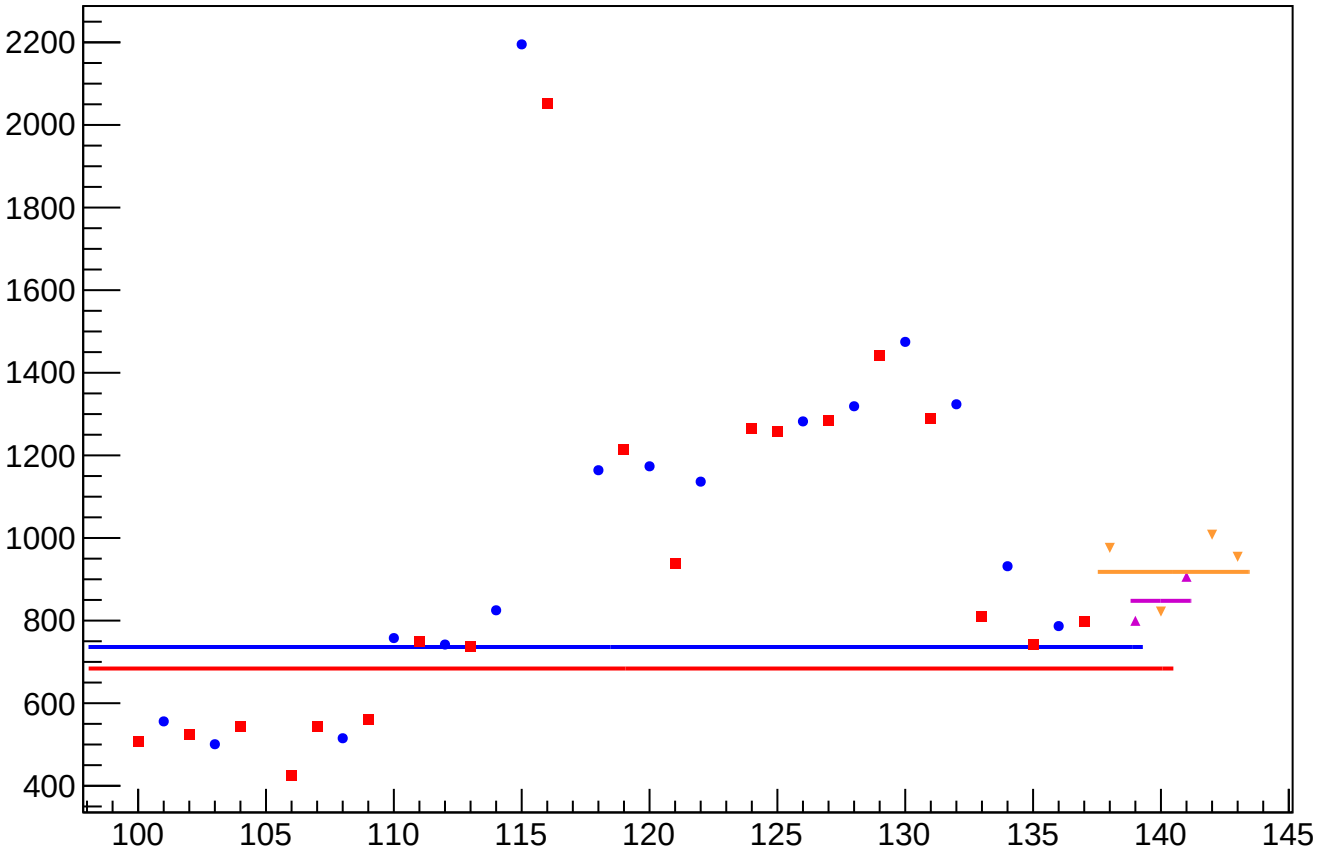
Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 108.517+/-0.026 χ^2/NDF:1049511.9/17

Out: 105.729+/-0.024 χ^2/NDF:1324474.5/22

All: 106.994+/-0.018 χ^2/NDF: 2380060.8/40


asym_sam5_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
105
110
115
120
125
130
135
140
145
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -440.033+/-543.606 χ²/NDF:3.7/3
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 624.609+/-648.930 χ²/NDF:0.8/1
Left: -1.013+/-416.715 χ²/NDF: 6.1/5
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 344.256+/-267.400 χ²/NDF:10.7/17
Out: 358.509+/-241.782 χ²/NDF:24.5/22
All: 352.098+/-179.340 χ²/NDF: 35.1/40



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 917.963+/-0.384 χ^2/NDF:37816.5/3

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: 889.060+/-0.295 χ^2/NDF: 64909.9/5

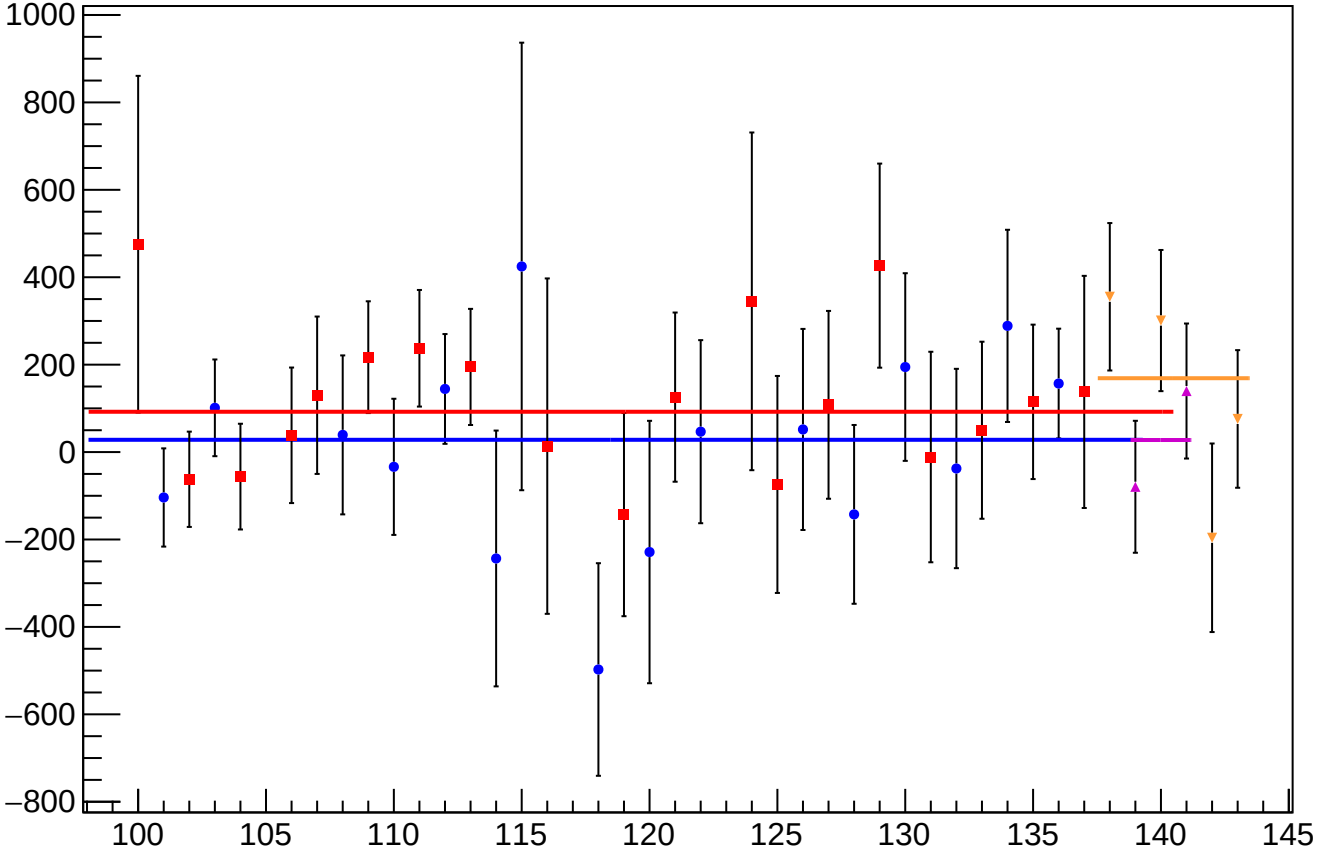
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 755.064+/-0.189 χ^2/NDF:1907153.6/17

Out: 730.268+/-0.171 χ^2/NDF:2185453.1/22

All: 741.422+/-0.127 χ^2/NDF: 4102069.1/40

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 168.994+/-85.958 χ^2/NDF:5.1/3

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: 114.139+/-67.246 χ^2/NDF: 7.2/5

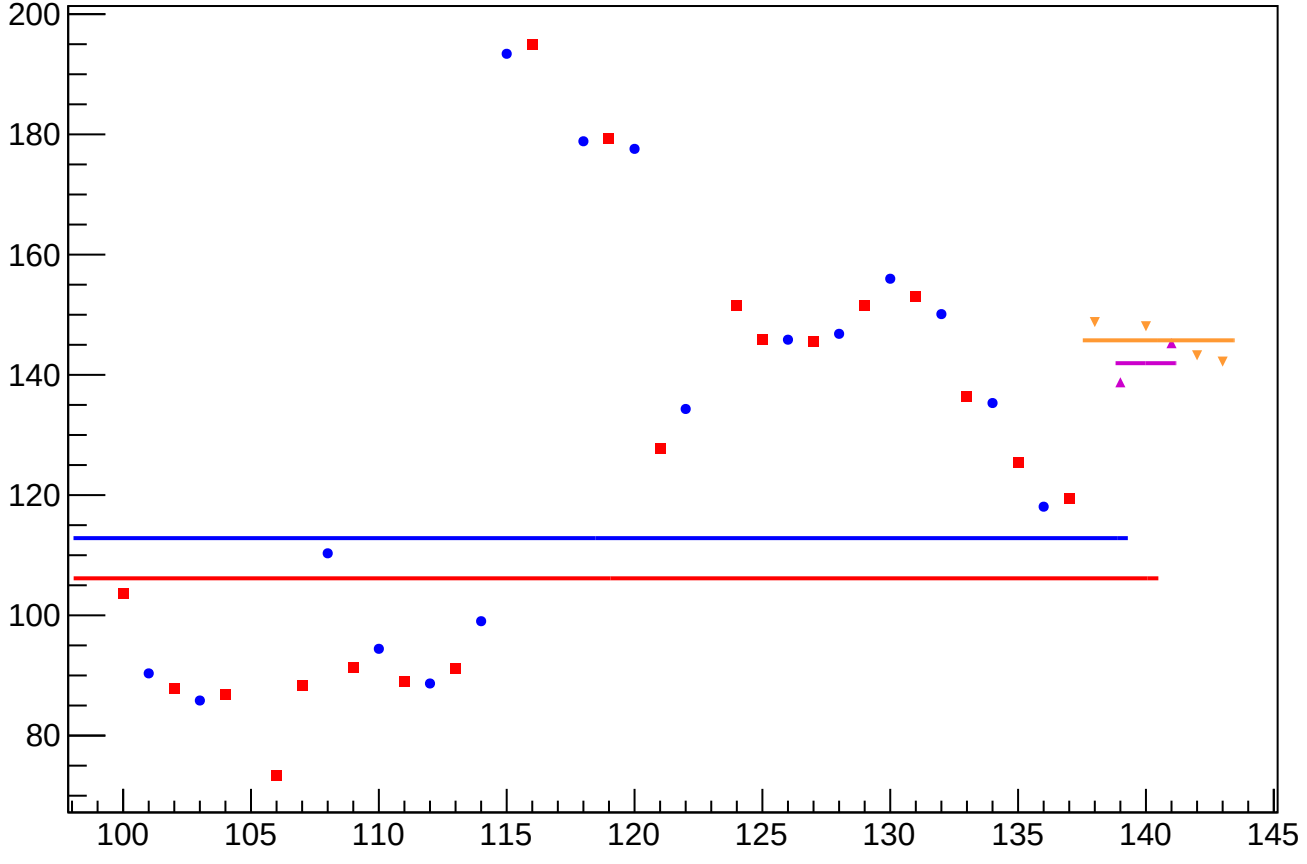
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 28.027+/-40.299 χ^2/NDF:14.6/17

Out: 106.211+/-36.666 χ^2/NDF:17.5/22

All: 70.801+/-27.120 χ^2/NDF: 34.1/40

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 145.743+/-0.061 χ^2/NDF:2346.0/3

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 141.942+/-0.076 χ^2/NDF:1812.5/1

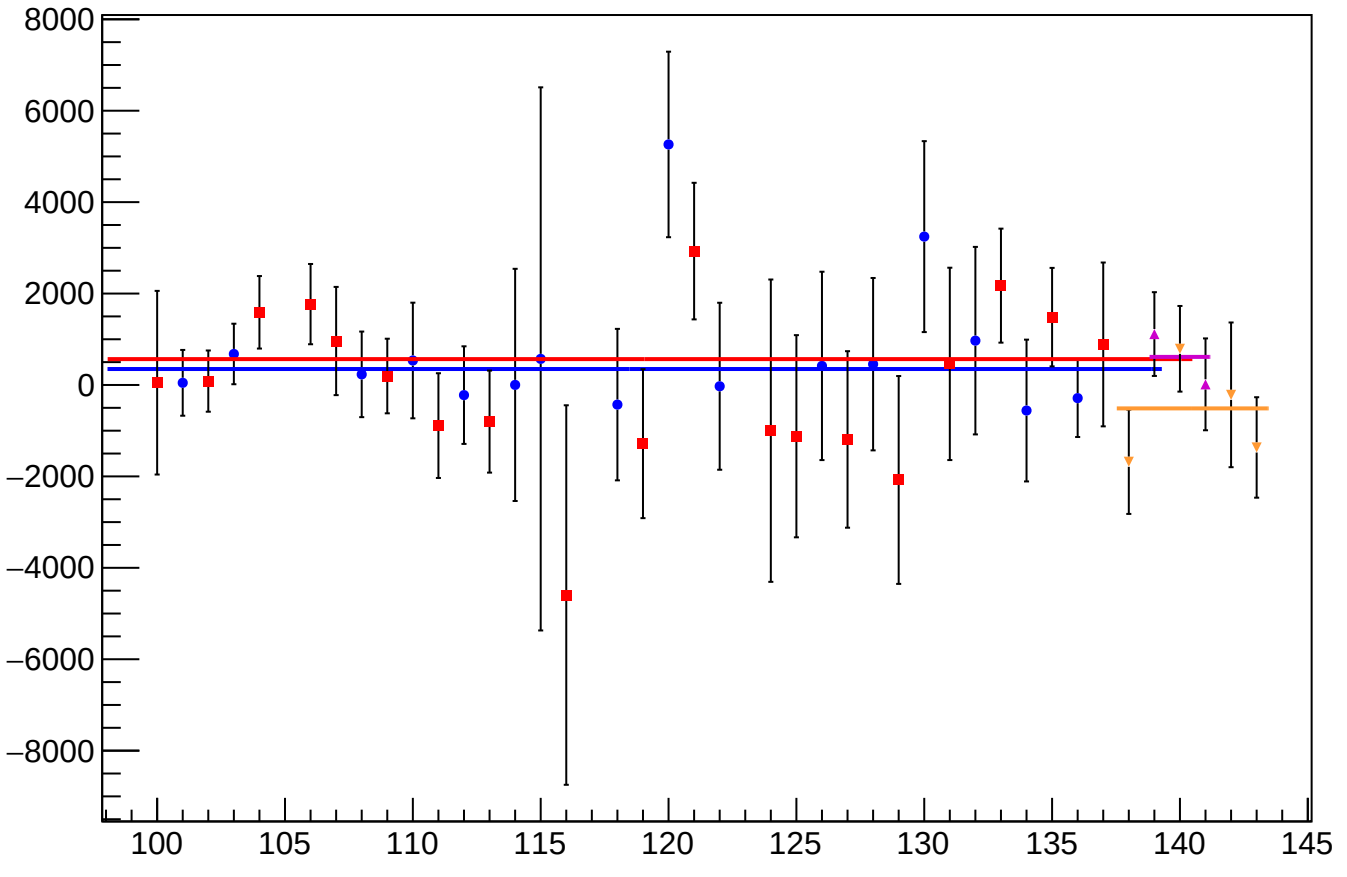
Left: 144.269+/-0.048 χ^2/NDF: 5676.1/5

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 116.897+/-0.028 χ^2/NDF:999101.5/17

Out: 113.361+/-0.026 χ^2/NDF:1351464.9/22

All: 114.963+/-0.019 χ^2/NDF: 2358992.8/40



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.399+/-564.840 χ^2/NDF:3.6/3

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 614.326+/-677.049 χ^2/NDF:0.7/1

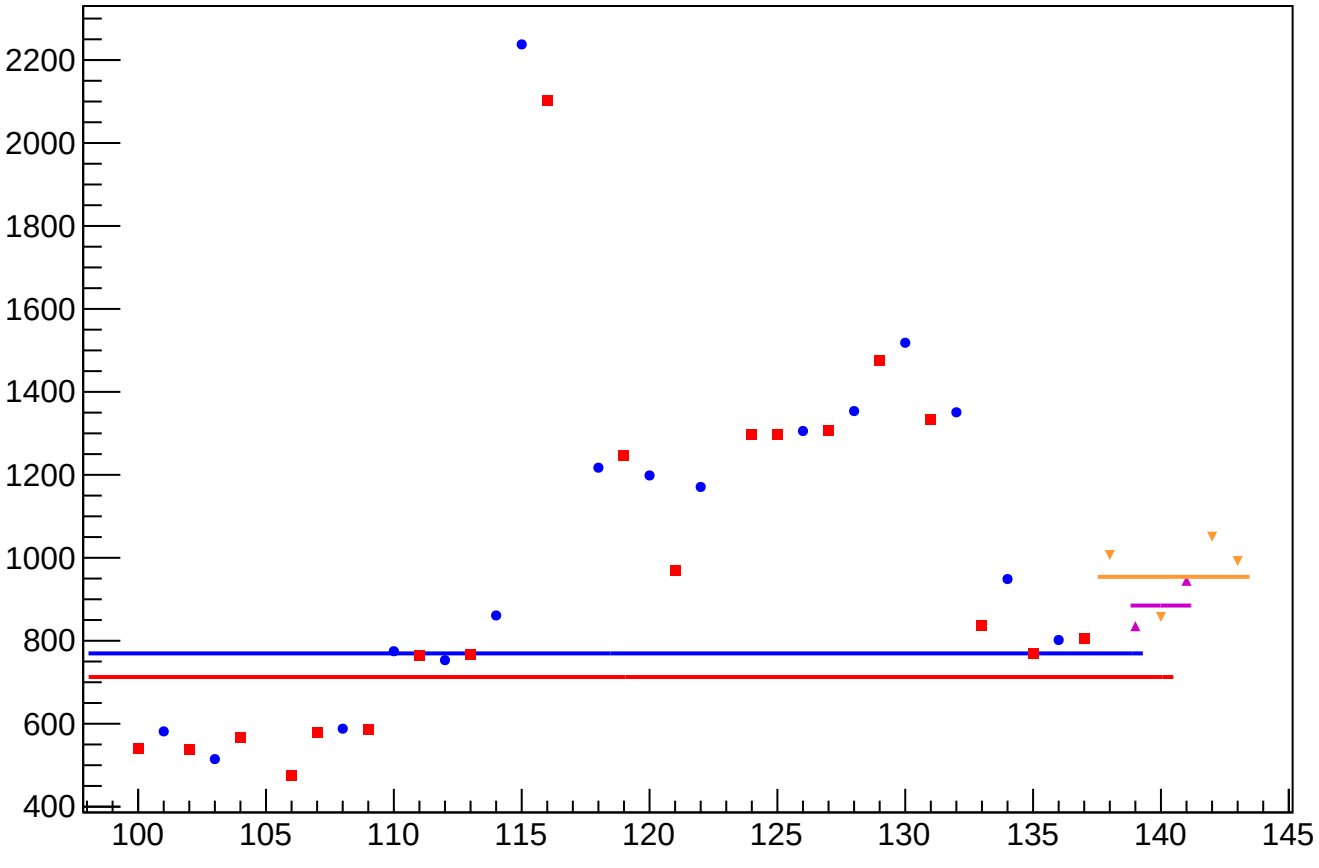
Left: -50.015+/-433.723 χ^2/NDF: 5.9/5

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 393.934+/-278.334 χ^2/NDF:10.6/17

Out: 354.248+/-250.306 χ^2/NDF:24.9/22

All: 371.993+/-186.116 χ^2/NDF: 35.5/40



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 954.219+/-0.399 χ^2/NDF:35390.5/3

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 884.916+/-0.479 χ^2/NDF:12971.3/1

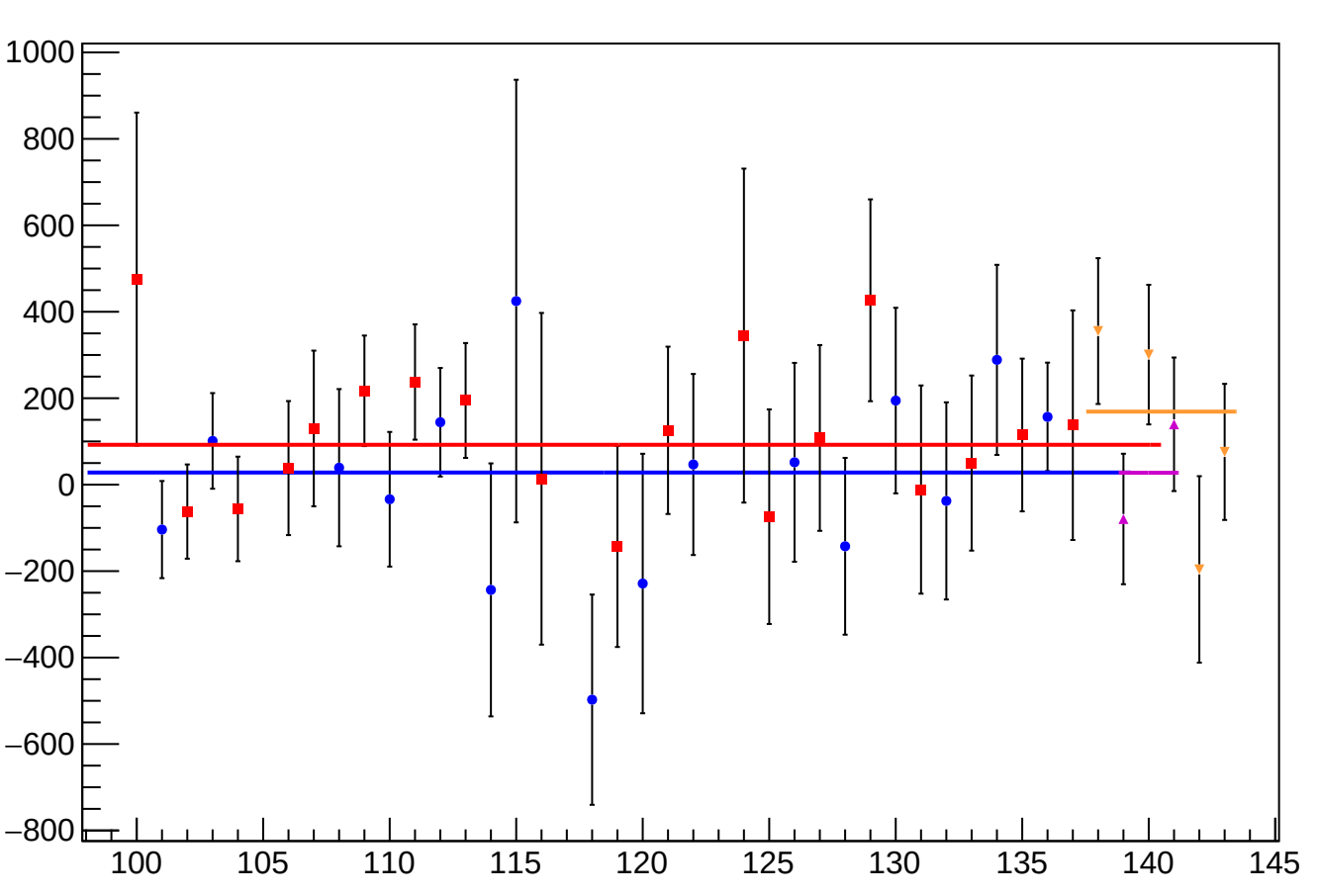
Left: 925.779+/-0.307 χ^2/NDF: 60717.3/5

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 789.053+/-0.197 χ^2/NDF:1801158.2/17

Out: 760.071+/-0.177 χ^2/NDF:2096646.3/22

All: 773.030+/-0.132 χ^2/NDF: 3909793.5/40



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 168.994+/-85.959 χ^2/NDF:5.1/3

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 27.616+/-107.957 χ^2/NDF:1.0/1

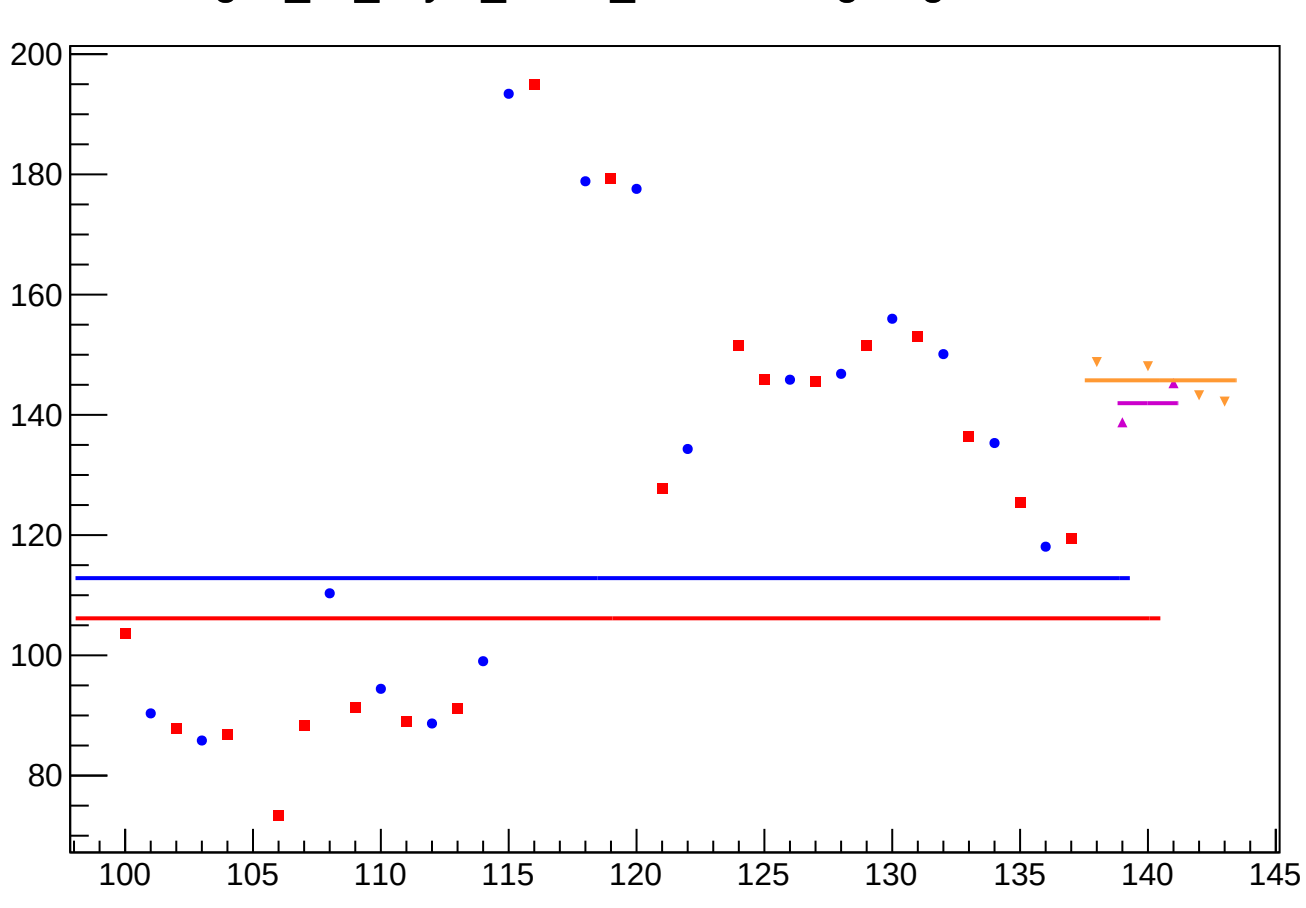
Left: 114.140+/-67.246 χ^2/NDF: 7.2/5

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 28.026+/-40.299 χ^2/NDF:14.6/17

Out: 106.211+/-36.666 χ^2/NDF:17.5/22

All: 70.801+/-27.120 χ^2/NDF: 34.1/40



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 145.744+/-0.061 χ^2/NDF:2346.9/3

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 141.943+/-0.076 χ^2/NDF:1812.5/1

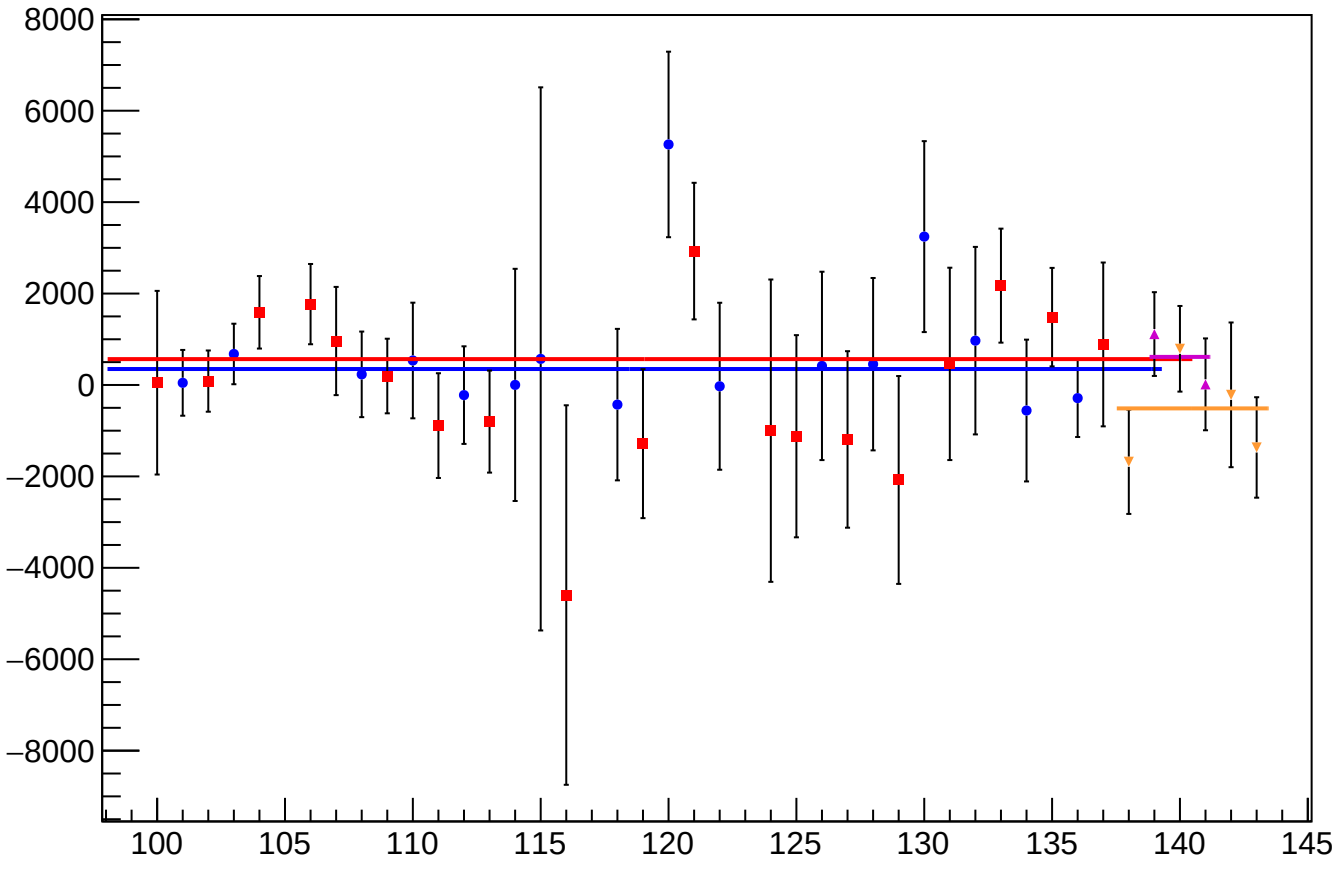
Left: 144.269+/-0.048 χ^2/NDF: 5676.7/5

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 116.897+/-0.028 χ^2/NDF:999104.0/17

Out: 113.361+/-0.026 χ^2/NDF:1351463.5/22

All: 114.962+/-0.019 χ^2/NDF: 2358993.8/40



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.401+/-564.841 χ^2/NDF:3.6/3

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 614.328+/-677.051 χ^2/NDF:0.7/1

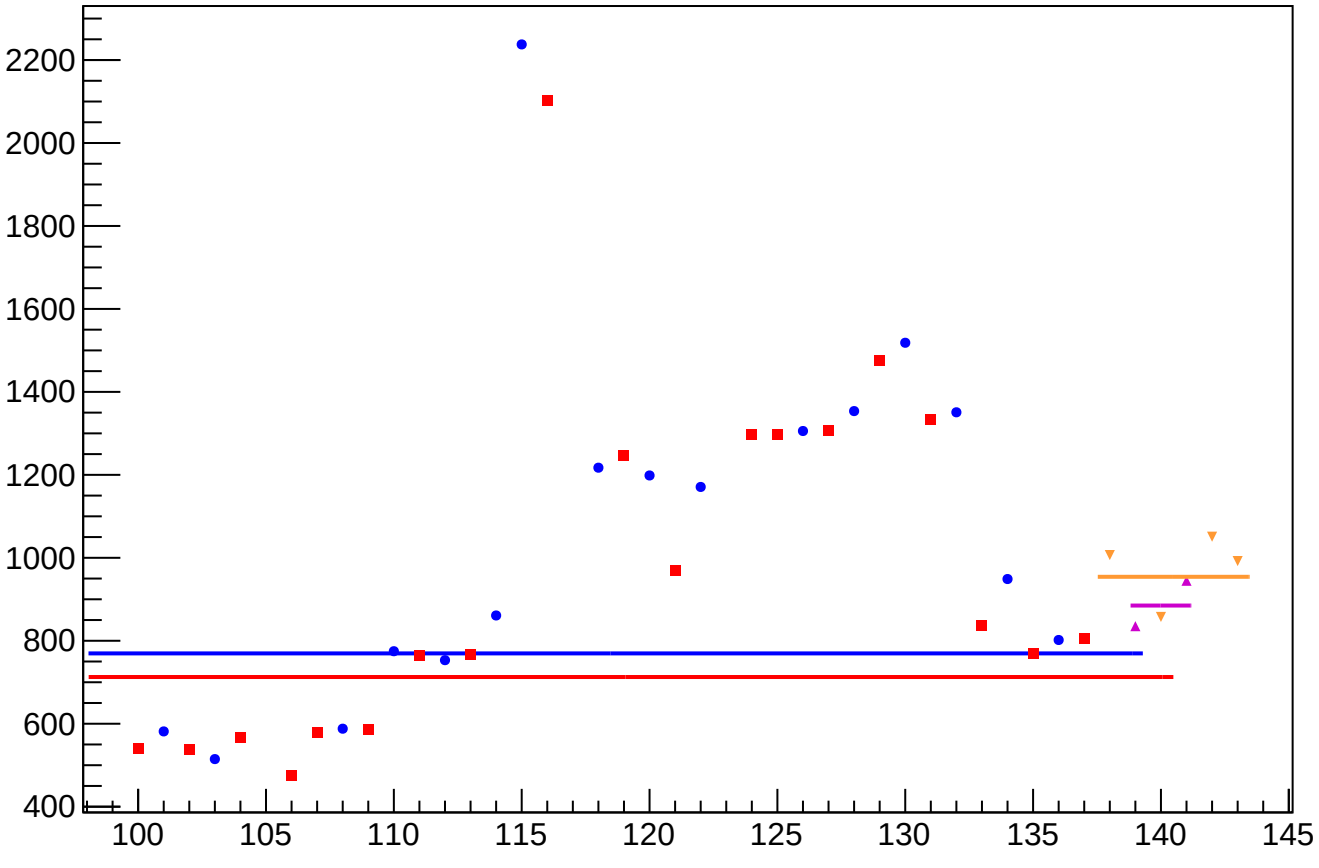
Left: -50.016+/-433.724 χ^2/NDF: 5.9/5

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 393.933+/-278.334 χ^2/NDF:10.6/17

Out: 354.249+/-250.305 χ^2/NDF:24.9/22

All: 371.993+/-186.115 χ^2/NDF: 35.5/40



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 954.221+/-0.399 χ^2/NDF:35389.6/3

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: 925.781+/-0.307 χ^2/NDF: 60716.5/5

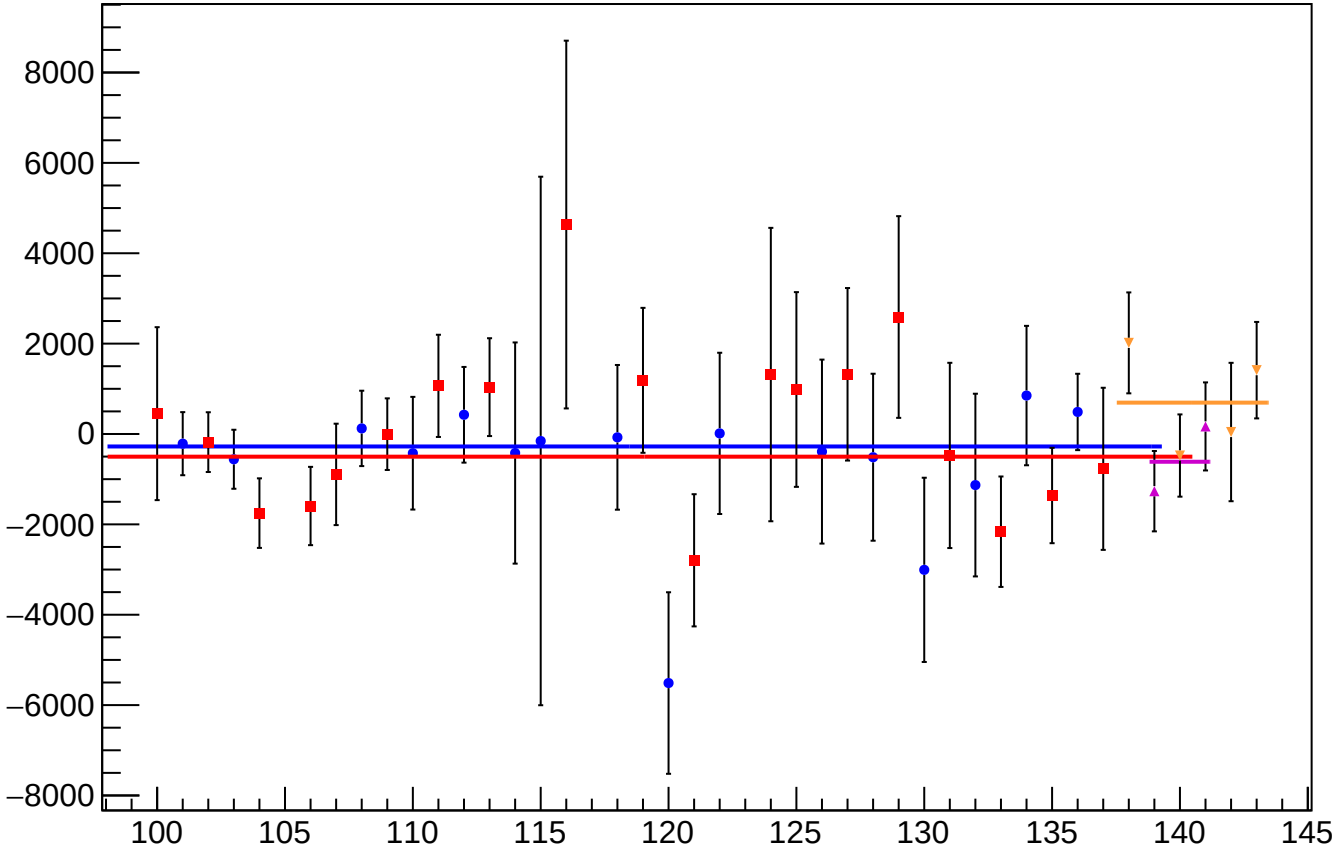
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 789.053+/-0.197 χ^2/NDF:1801158.0/17

Out: 760.070+/-0.177 χ^2/NDF:2096645.3/22

All: 773.029+/-0.132 χ^2/NDF: 3909792.4/40

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 693.967+/-549.409 χ^2/NDF:3.7/3

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: 155.333+/-421.416 χ^2/NDF: 7.2/5

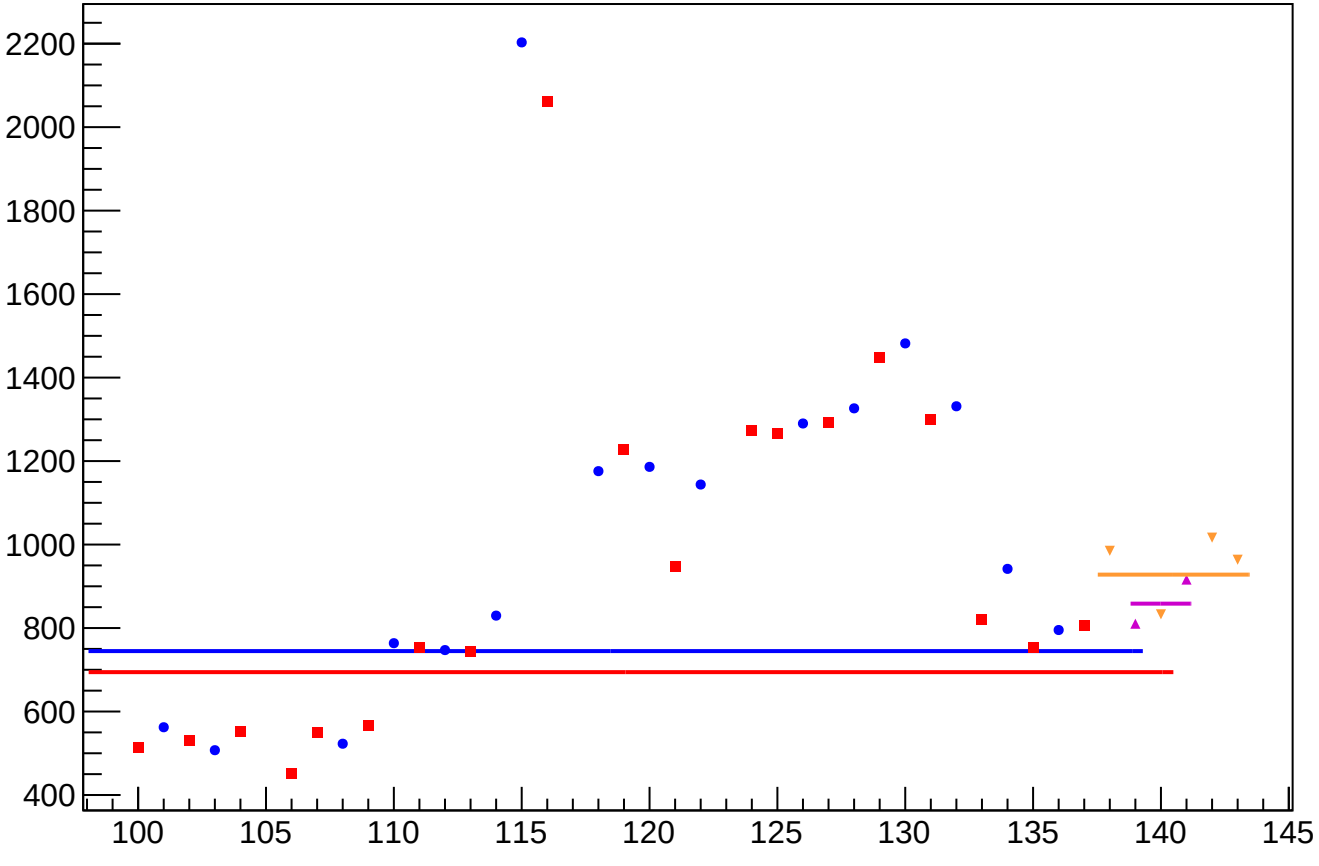
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -333.532+/-270.398 χ^2/NDF:12.5/17

Out: -265.180+/-244.475 χ^2/NDF:28.0/22

All: -295.923+/-181.344 χ^2/NDF: 40.5/40

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 927.973+/-0.388 χ^2/NDF:36006.2/3

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 858.436+/-0.464 χ^2/NDF:12848.0/1

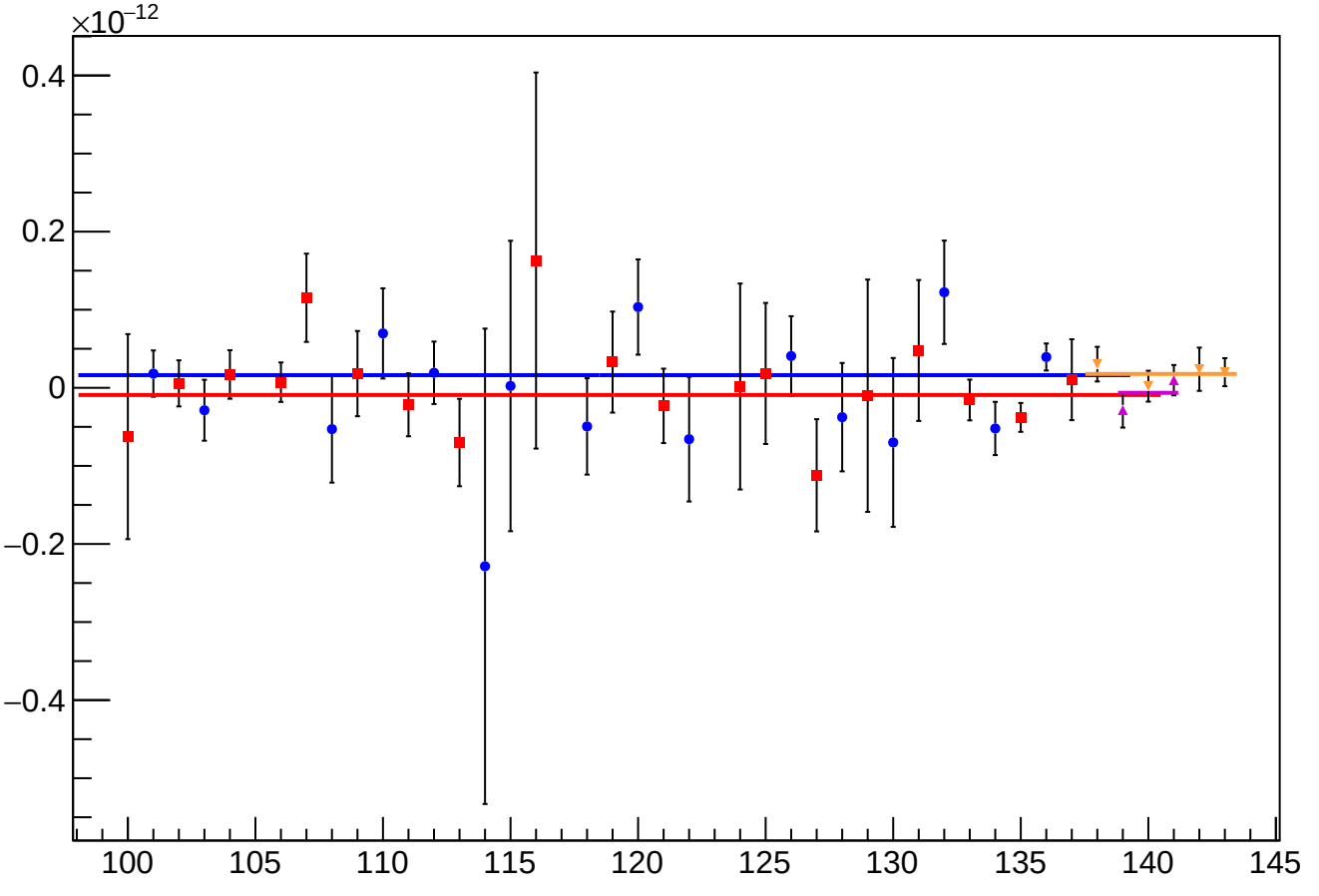
Left: 899.348+/-0.298 χ^2/NDF: 62043.2/5

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 764.045+/-0.191 χ^2/NDF:1885136.0/17

Out: 740.607+/-0.173 χ^2/NDF:2129782.4/22

All: 751.149+/-0.128 χ^2/NDF: 4023186.3/40



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

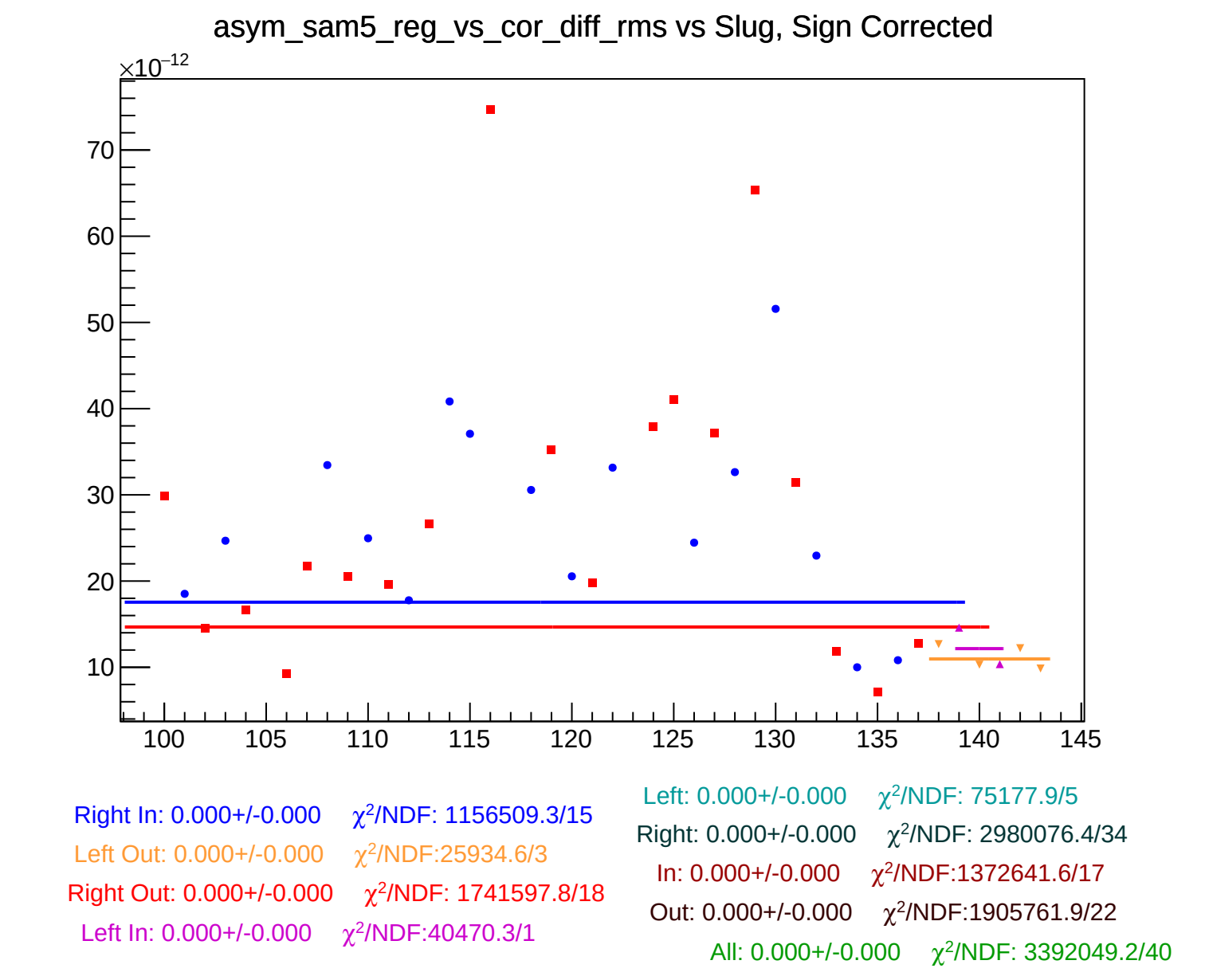
Left: 0.000+/-0.000 χ^2/NDF: 4.4/5

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:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.2/40


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
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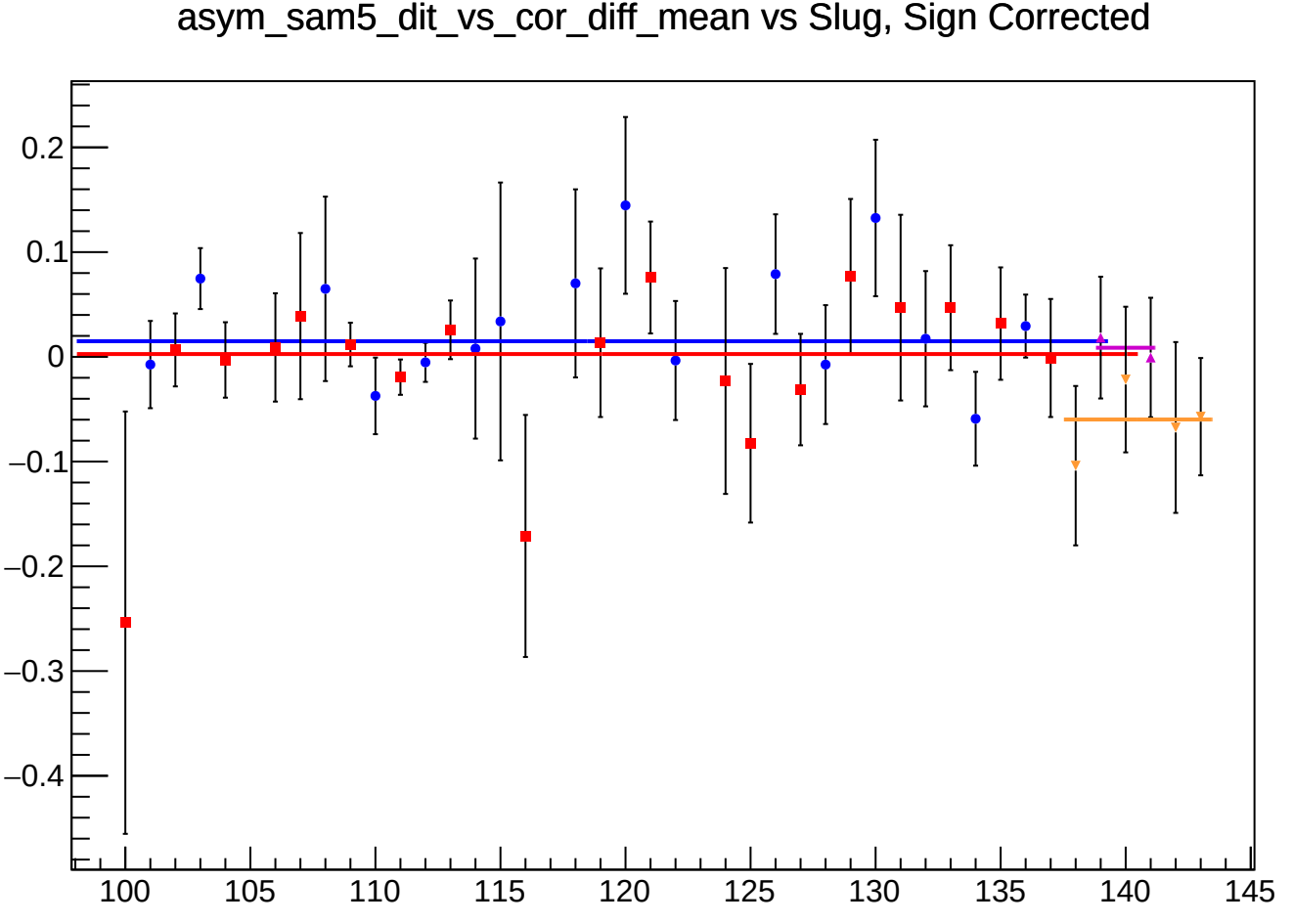
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:25934.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:40470.3/1
Left: 0.000+/-0.000 χ²/NDF: 75177.9/5
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1372641.6/17
Out: 0.000+/-0.000 χ²/NDF:1905761.9/22
All: 0.000+/-0.000 χ²/NDF: 3392049.2/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

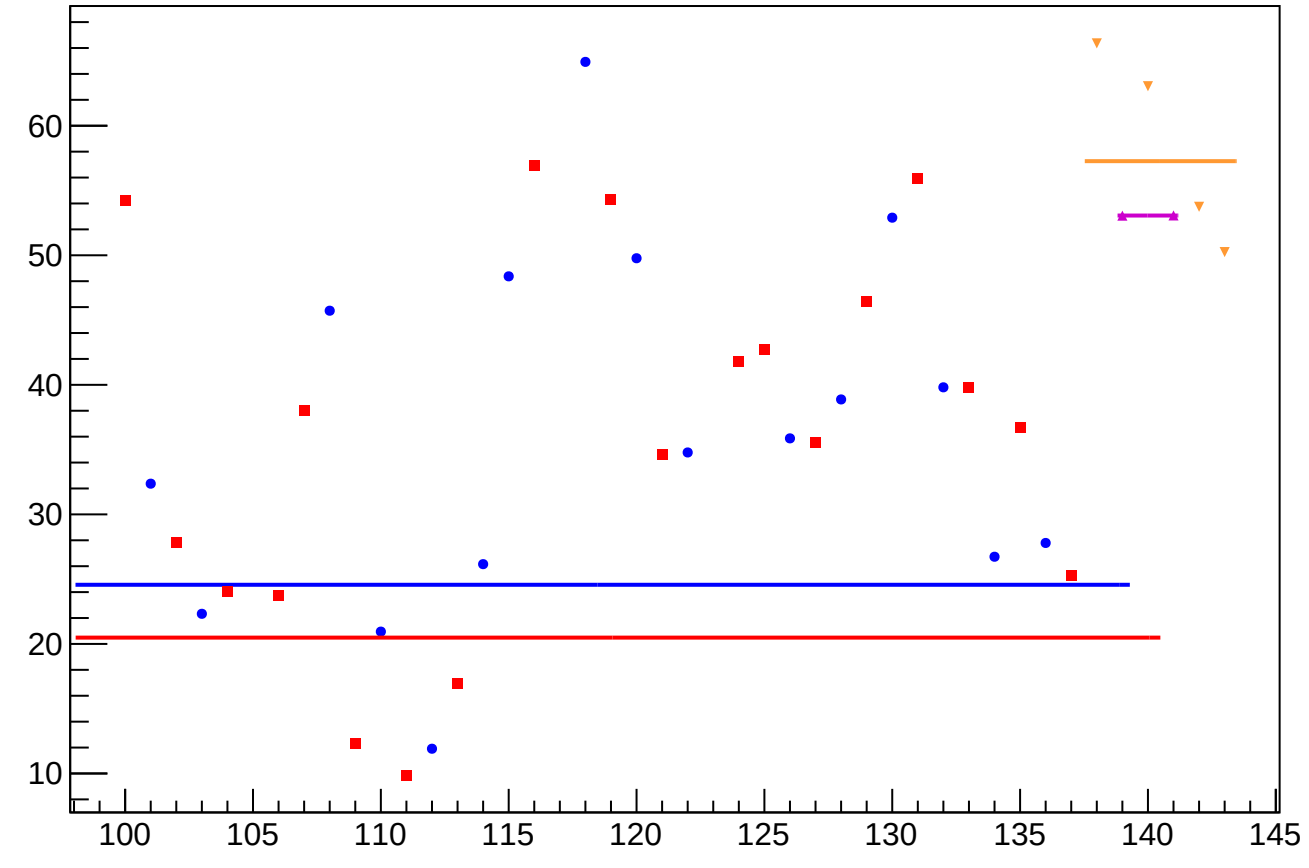
Left: -0.031+/-0.026 χ^2/NDF: 2.4/5

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.9/17

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.005+/-0.007 χ^2/NDF: 35.4/40



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77536.1/3

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.068+/-0.029 χ^2/NDF:0.1/1

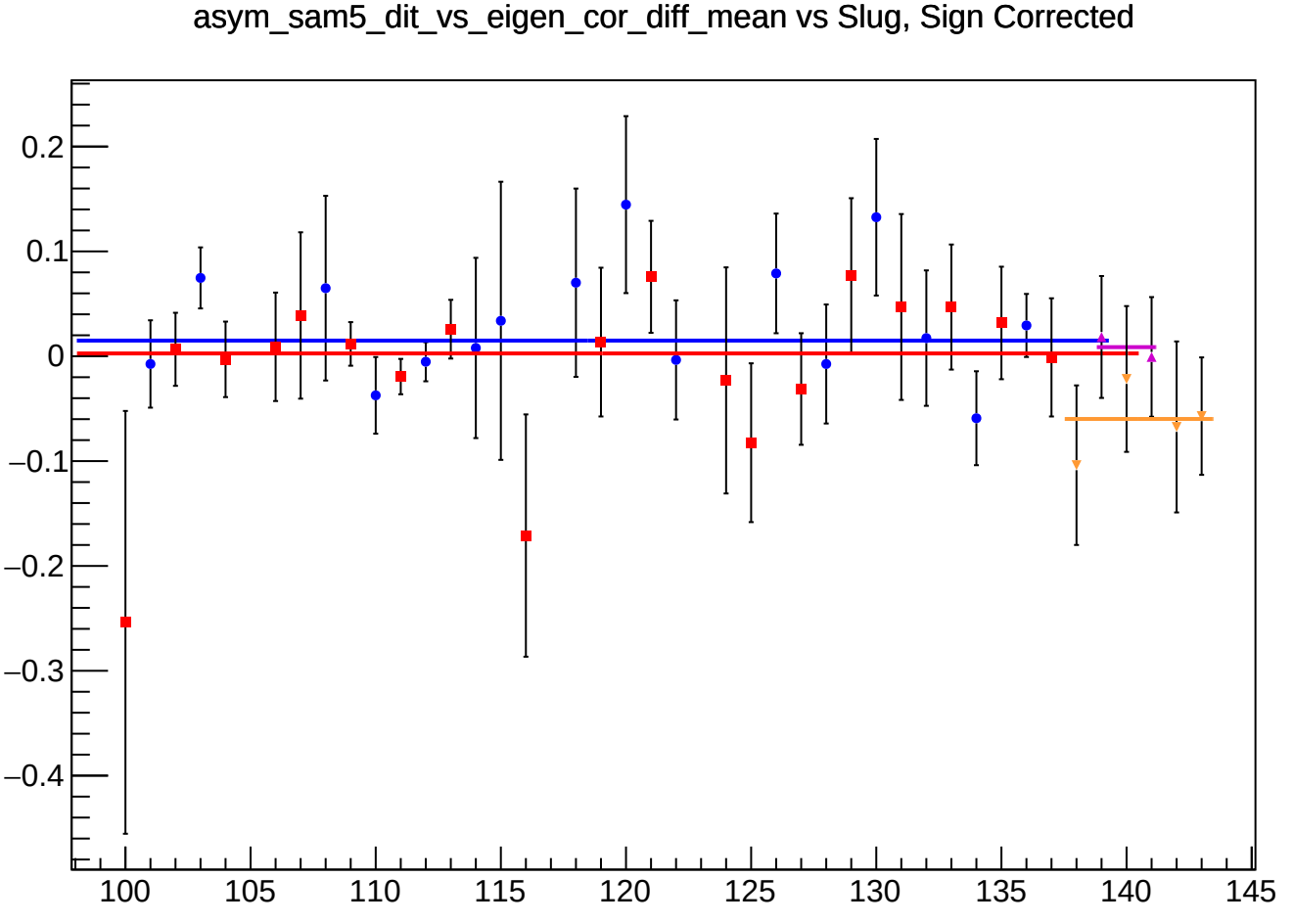
Left: 55.522+/-0.019 χ^2/NDF: 89961.3/5

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 26.371+/-0.007 χ^2/NDF:3402241.3/17

Out: 22.966+/-0.006 χ^2/NDF:5802895.0/22

All: 24.432+/-0.005 χ^2/NDF: 9330880.7/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

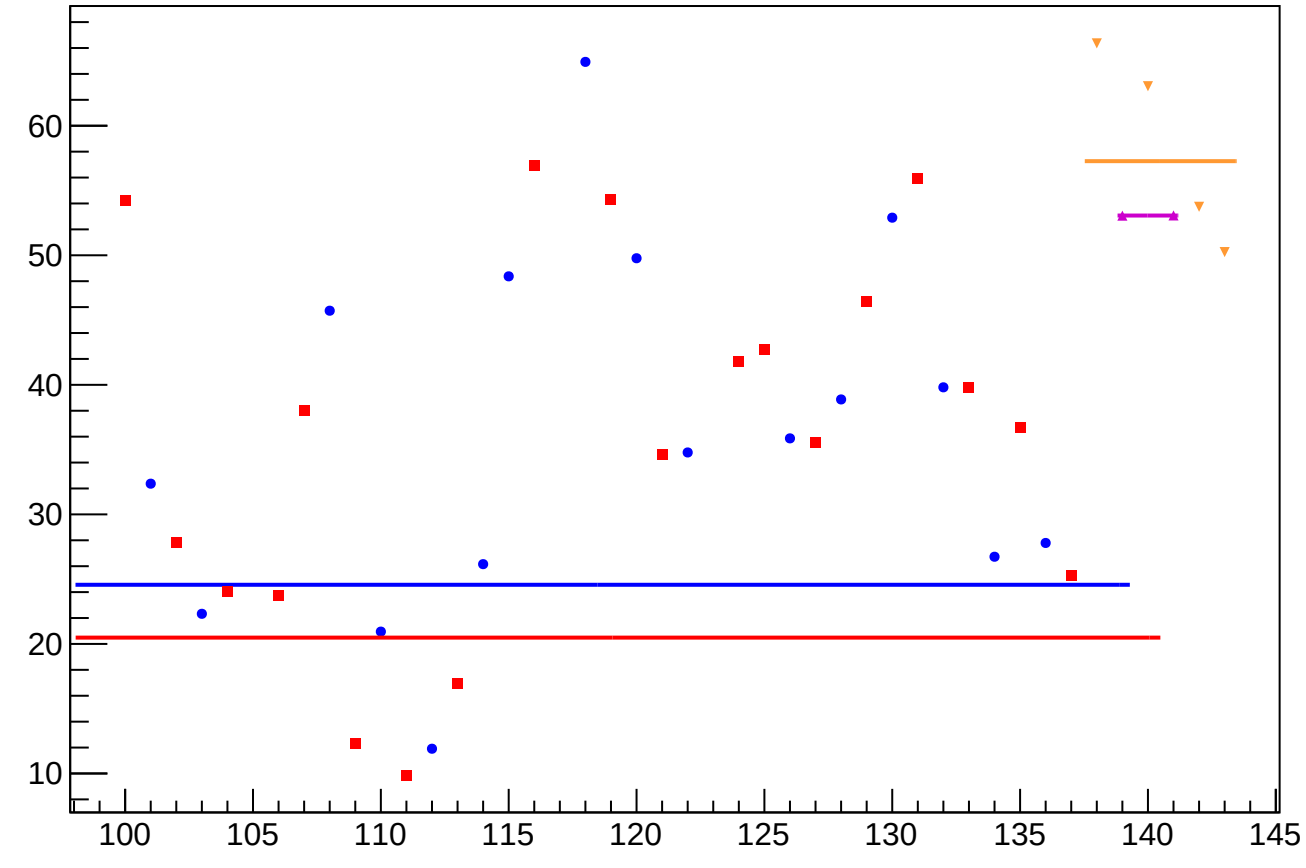
Left: -0.031+/-0.026 χ^2/NDF: 2.4/5

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.9/17

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.005+/-0.007 χ^2/NDF: 35.4/40



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77536.1/3

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.068+/-0.029 χ^2/NDF:0.1/1

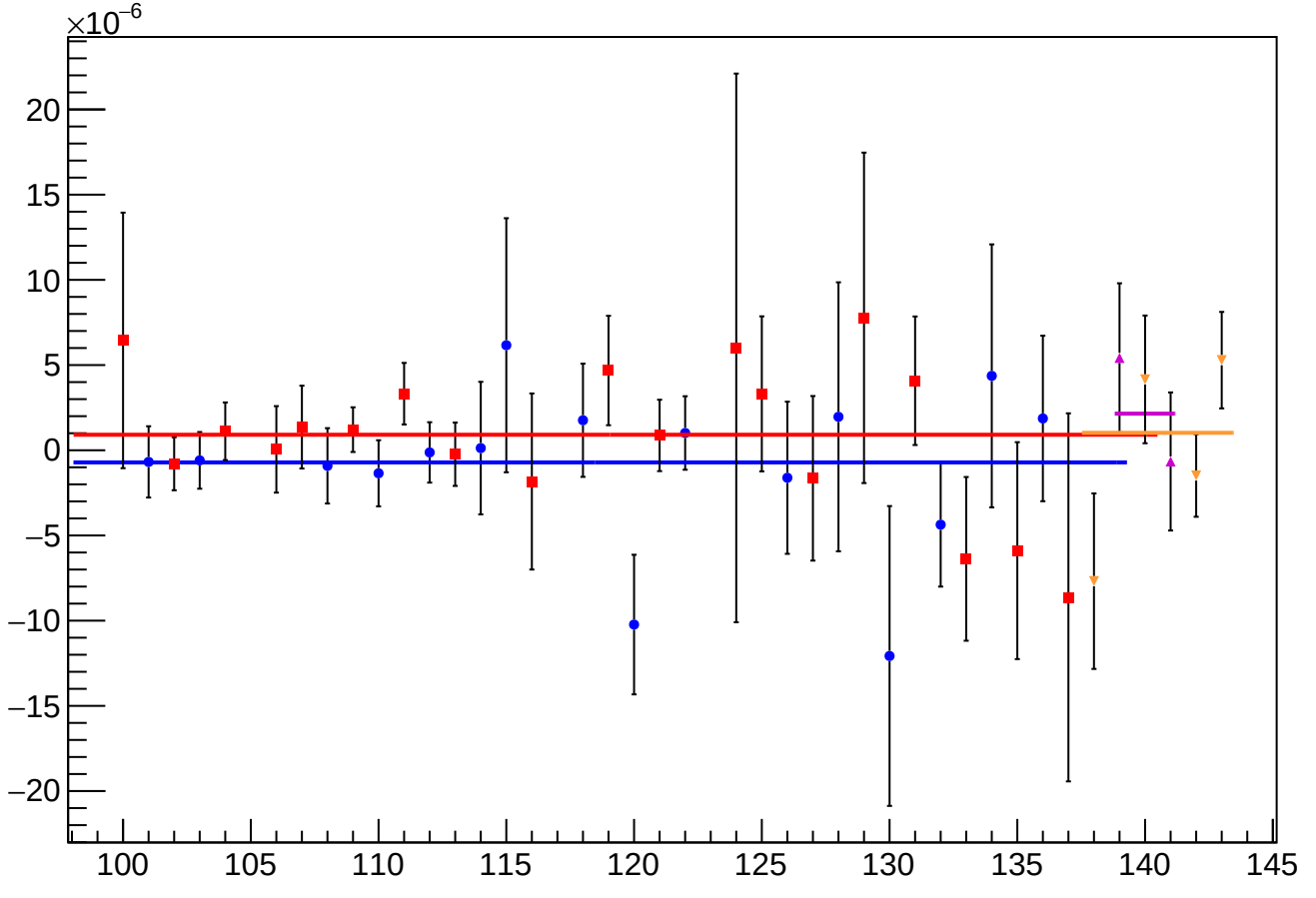
Left: 55.522+/-0.019 χ^2/NDF: 89961.3/5

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 26.371+/-0.007 χ^2/NDF:3402241.3/17

Out: 22.966+/-0.006 χ^2/NDF:5802895.0/22

All: 24.432+/-0.005 χ^2/NDF: 9330880.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

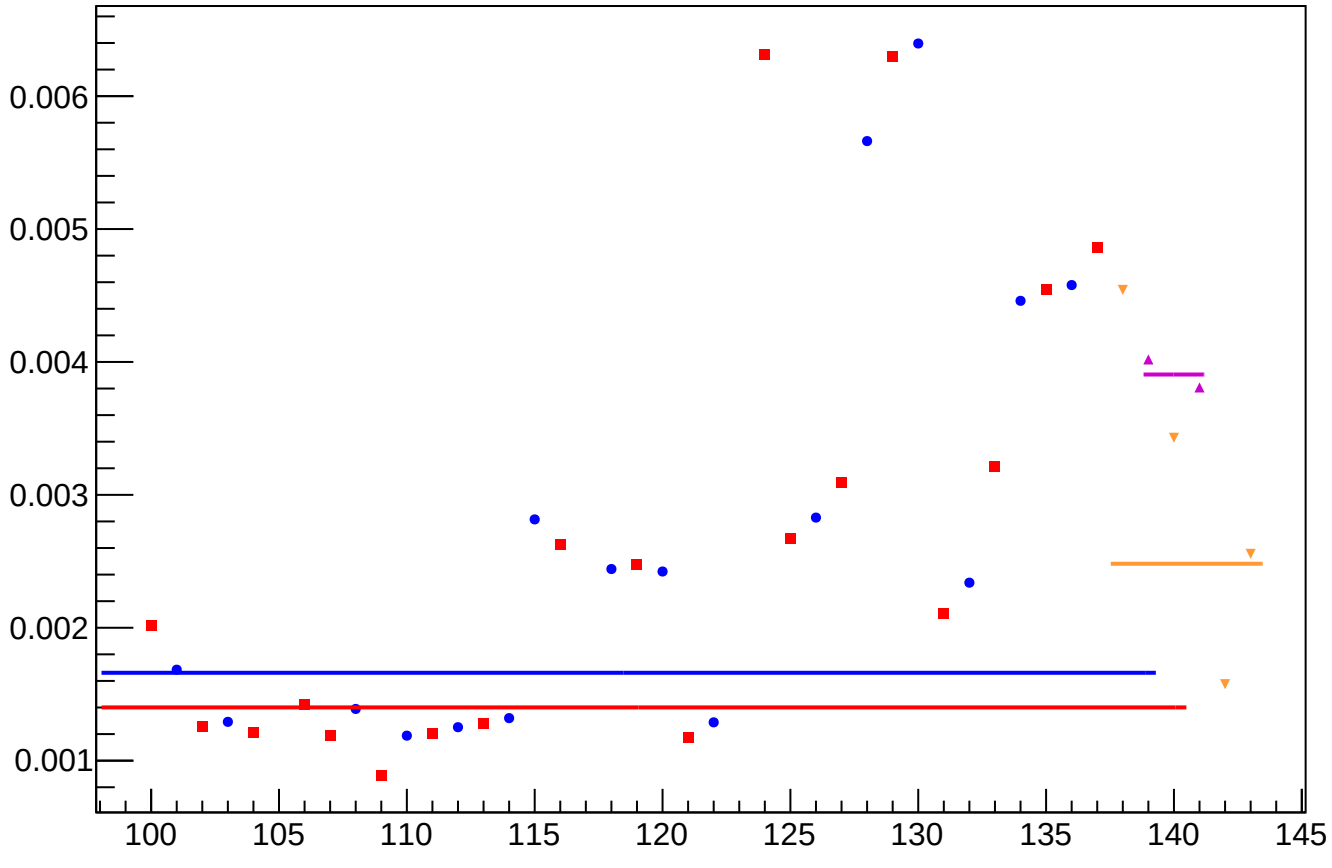
Left: 0.000+/-0.000 χ^2/NDF: 8.0/5

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:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 34.8/40



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:729410.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.004+/-0.000 χ^2/NDF:2495.1/1

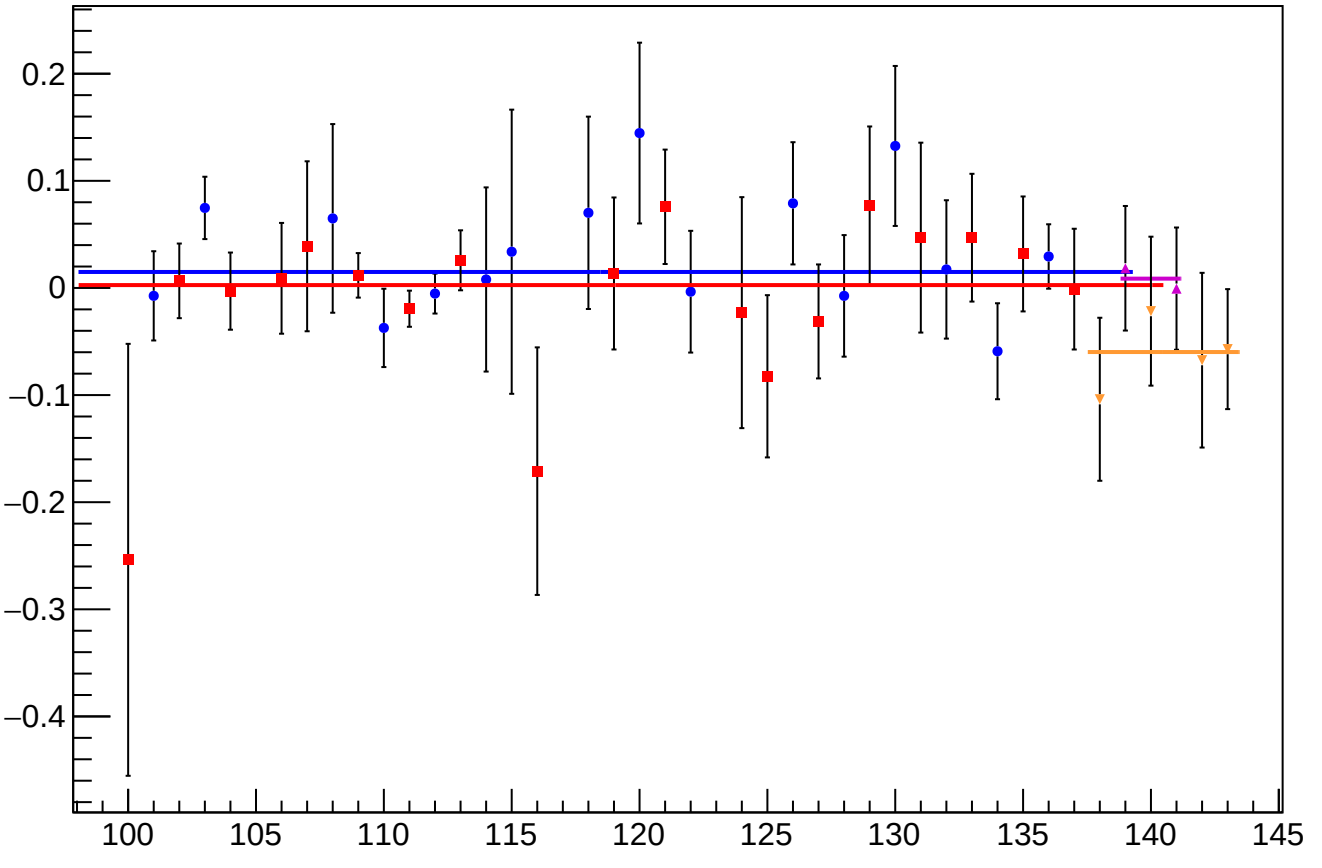
Left: 0.003+/-0.000 χ^2/NDF: 1090194.5/5

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:4024064.4/17

Out: 0.002+/-0.000 χ^2/NDF:4473677.9/22

All: 0.002+/-0.000 χ^2/NDF: 8655596.0/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

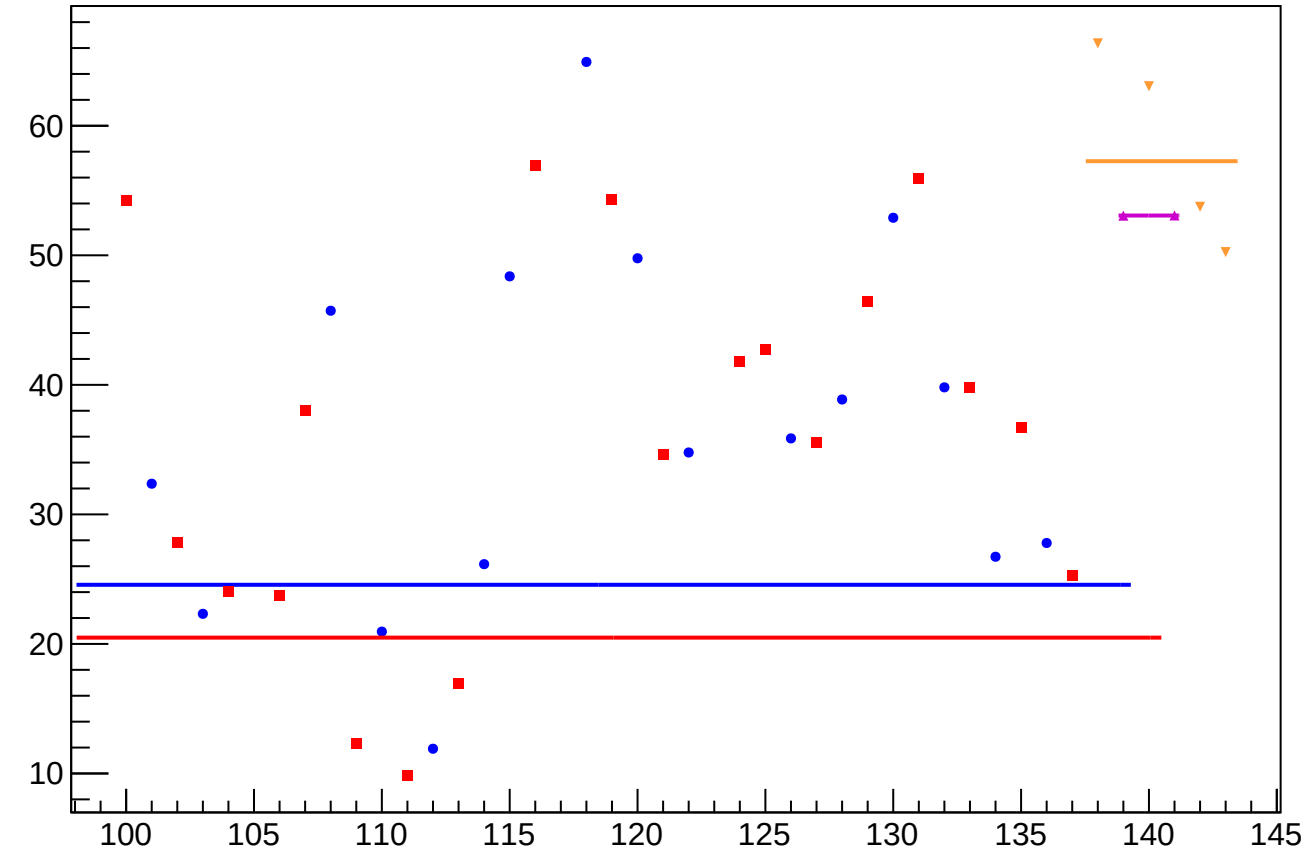
Left: -0.031+/-0.026 χ^2/NDF: 2.4/5

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/17

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.005+/-0.007 χ^2/NDF: 35.4/40



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77573.4/3

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.070+/-0.029 χ^2/NDF:0.1/1

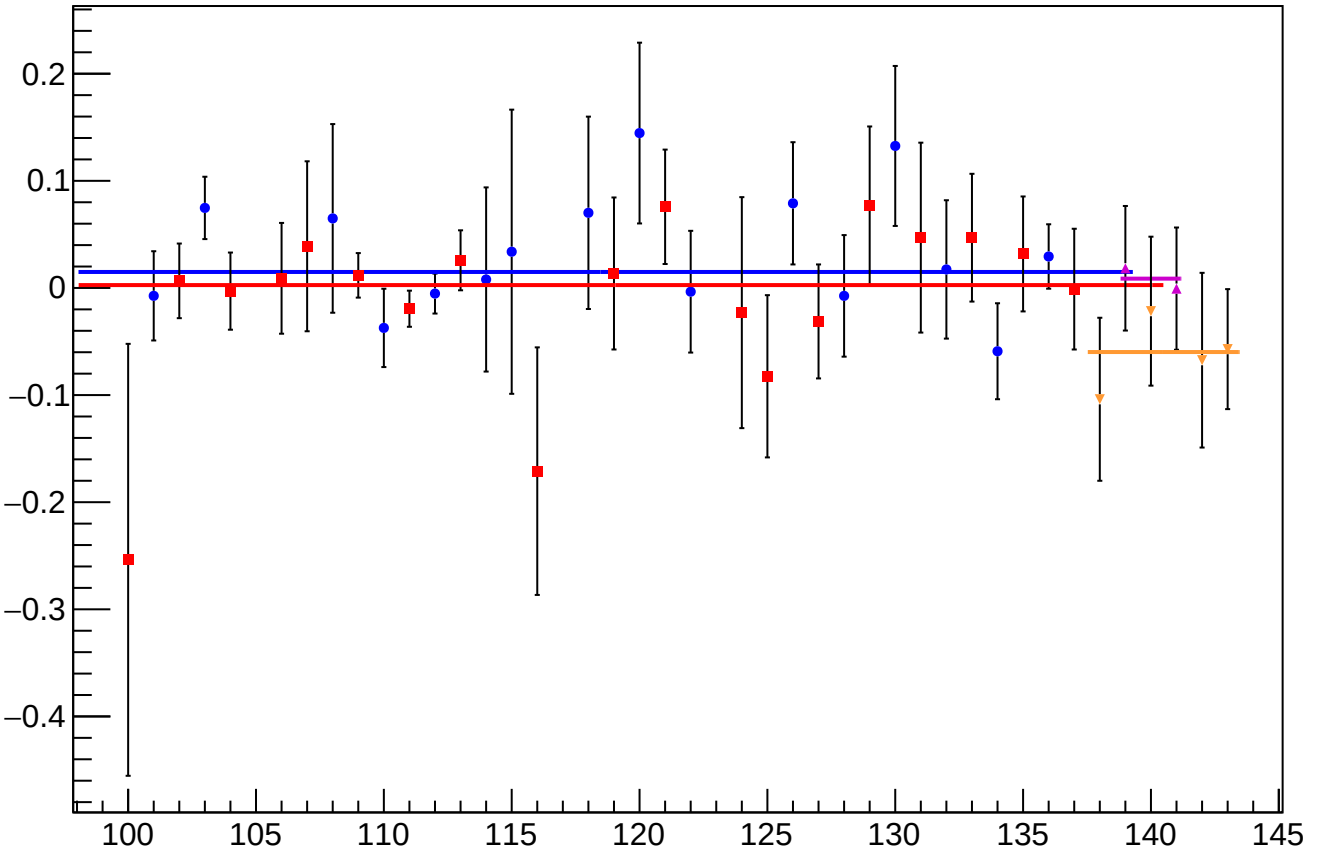
Left: 55.524+/-0.019 χ^2/NDF: 89985.7/5

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 26.370+/-0.007 χ^2/NDF:3402256.4/17

Out: 22.965+/-0.006 χ^2/NDF:5802953.2/22

All: 24.431+/-0.005 χ^2/NDF: 9330963.9/40



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.060+/-0.034 χ^2/NDF:0.6/3

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.041 χ^2/NDF:0.1/1

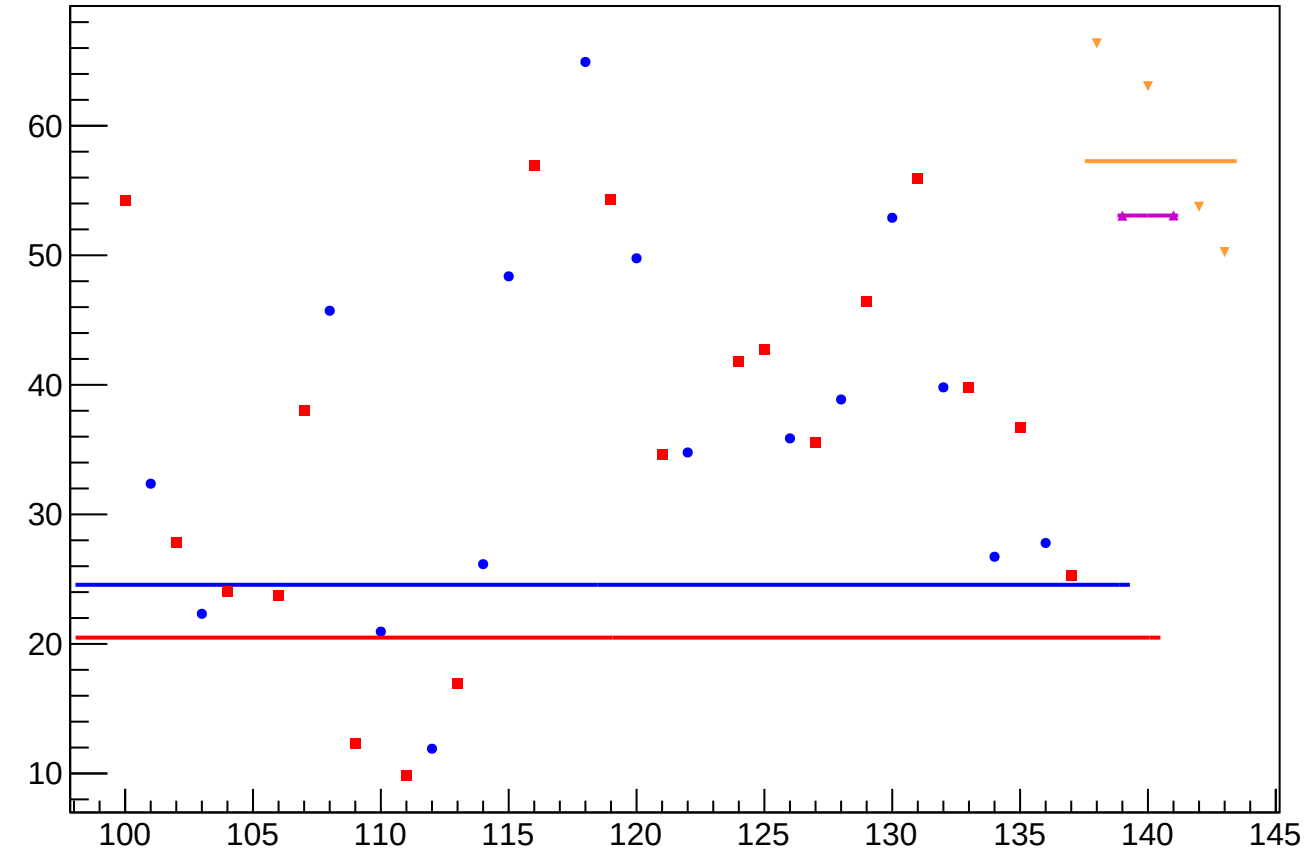
Left: -0.031+/-0.026 χ^2/NDF: 2.4/5

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.010 χ^2/NDF:17.8/17

Out: -0.002+/-0.009 χ^2/NDF:16.2/22

All: 0.005+/-0.007 χ^2/NDF: 35.4/40



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 57.266+/-0.024 χ^2/NDF:77573.4/3

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.070+/-0.029 χ^2/NDF:0.1/1

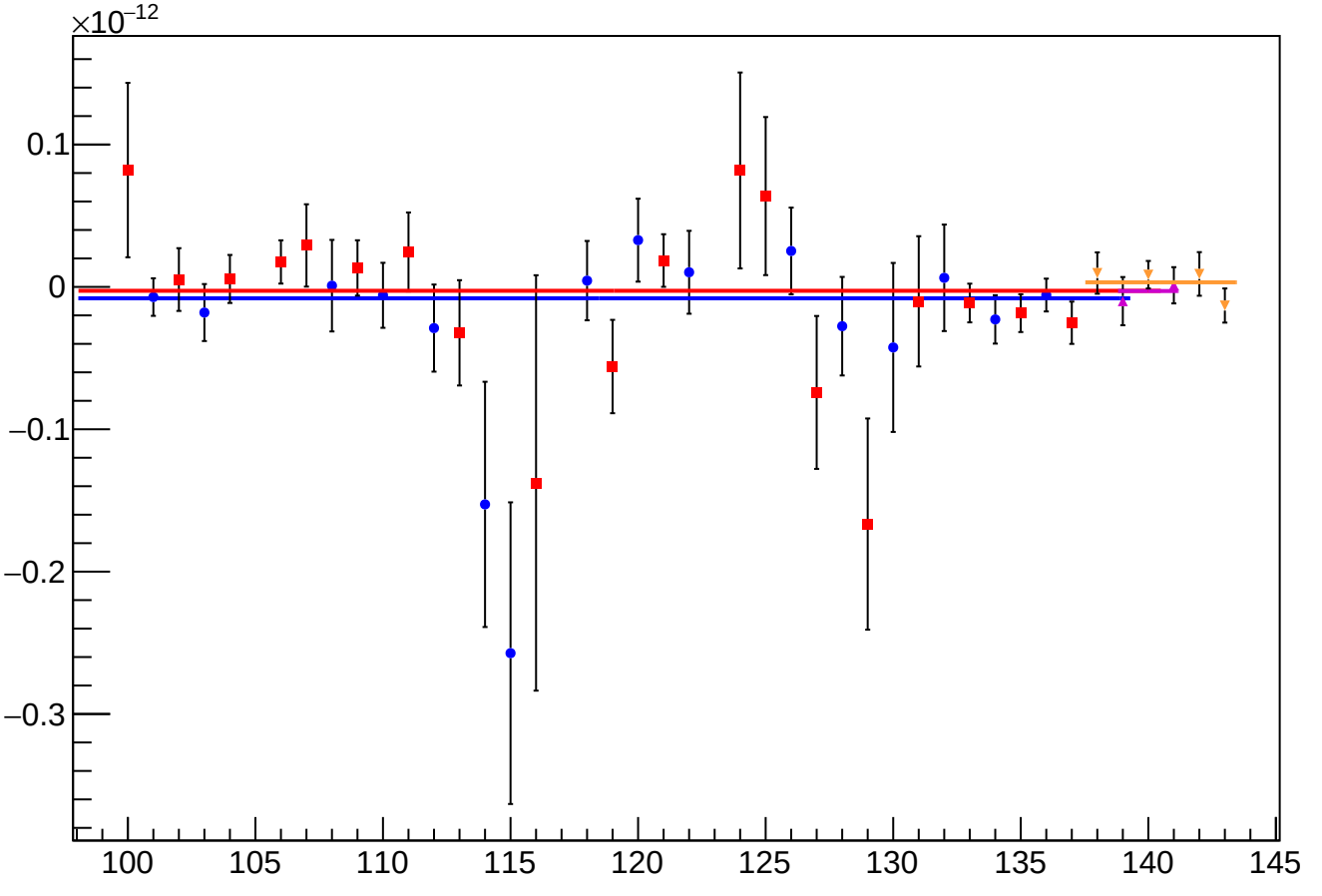
Left: 55.524+/-0.019 χ^2/NDF: 89985.7/5

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 26.370+/-0.007 χ^2/NDF:3402256.4/17

Out: 22.965+/-0.006 χ^2/NDF:5802953.2/22

All: 24.431+/-0.005 χ^2/NDF: 9330963.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

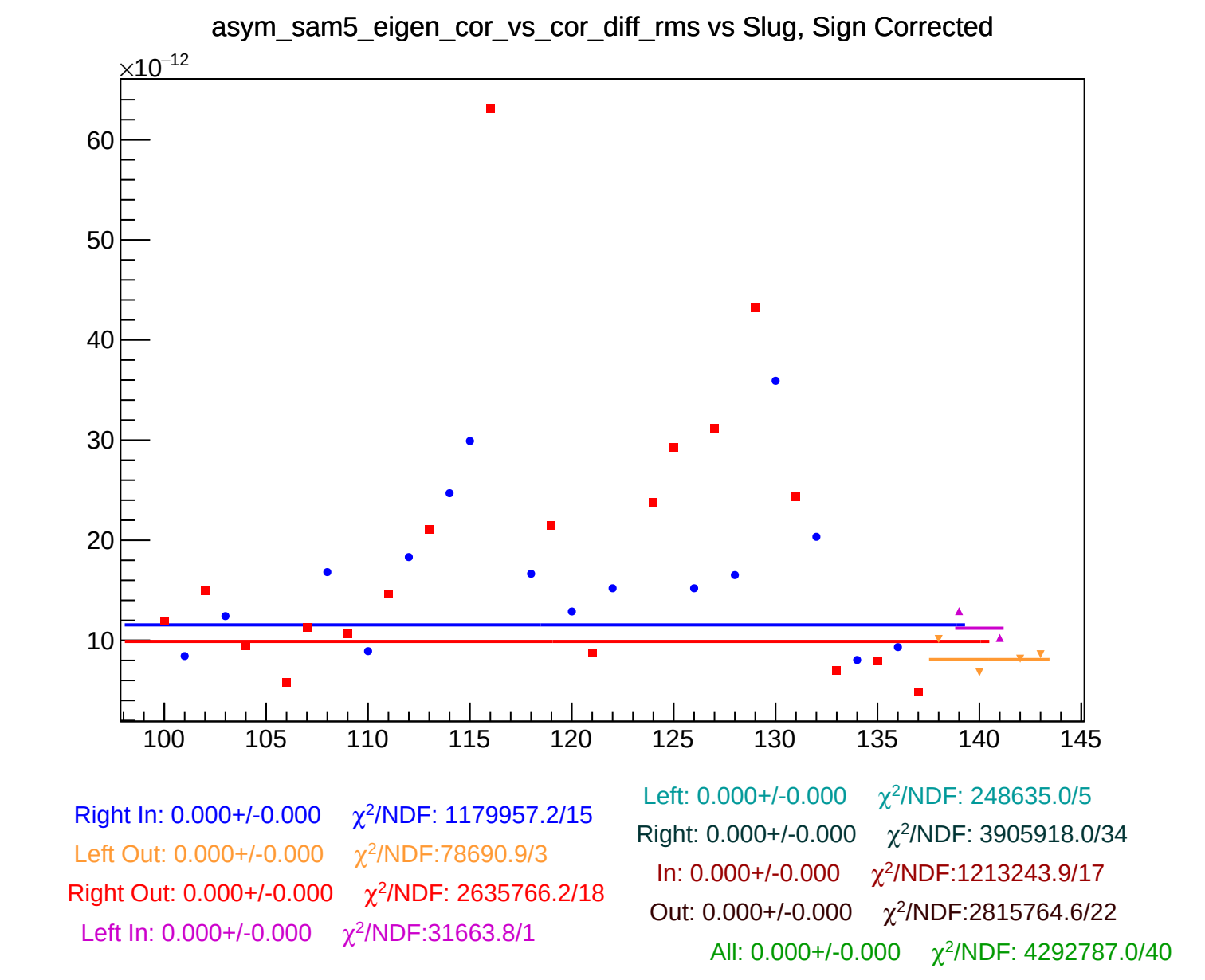
Left: 0.000+/-0.000 χ^2/NDF: 3.0/5

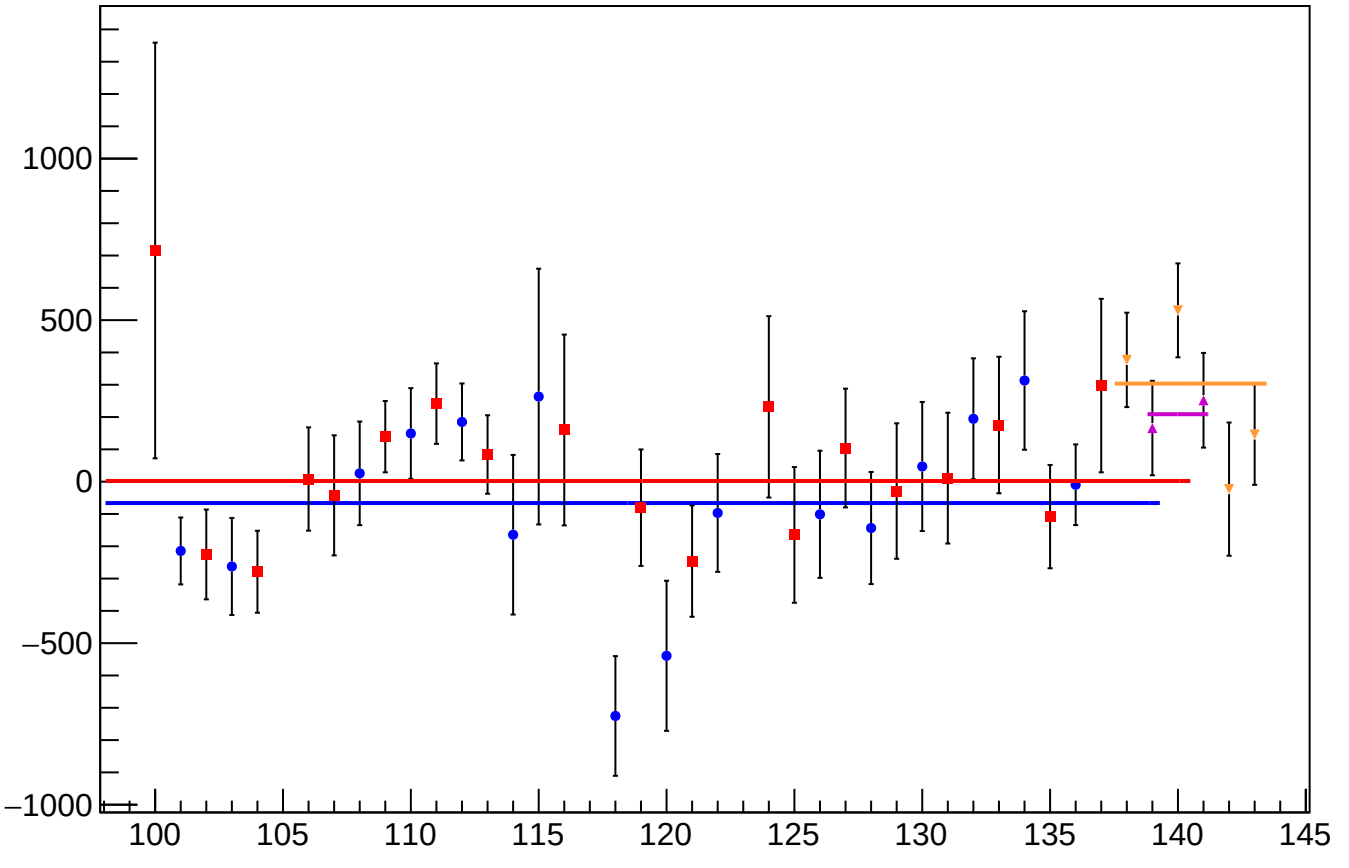
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:15.0/17

Out: -0.000+/-0.000 χ^2/NDF:29.1/22

All: -0.000+/-0.000 χ^2/NDF: 45.2/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:78690.9/3
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: 248635.0/5
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:2815764.6/22
All: 0.000+/-0.000 χ²/NDF: 4292787.0/40



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.569+/-79.349 χ^2/NDF:6.2/3

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: 268.491+/-62.970 χ^2/NDF: 6.9/5

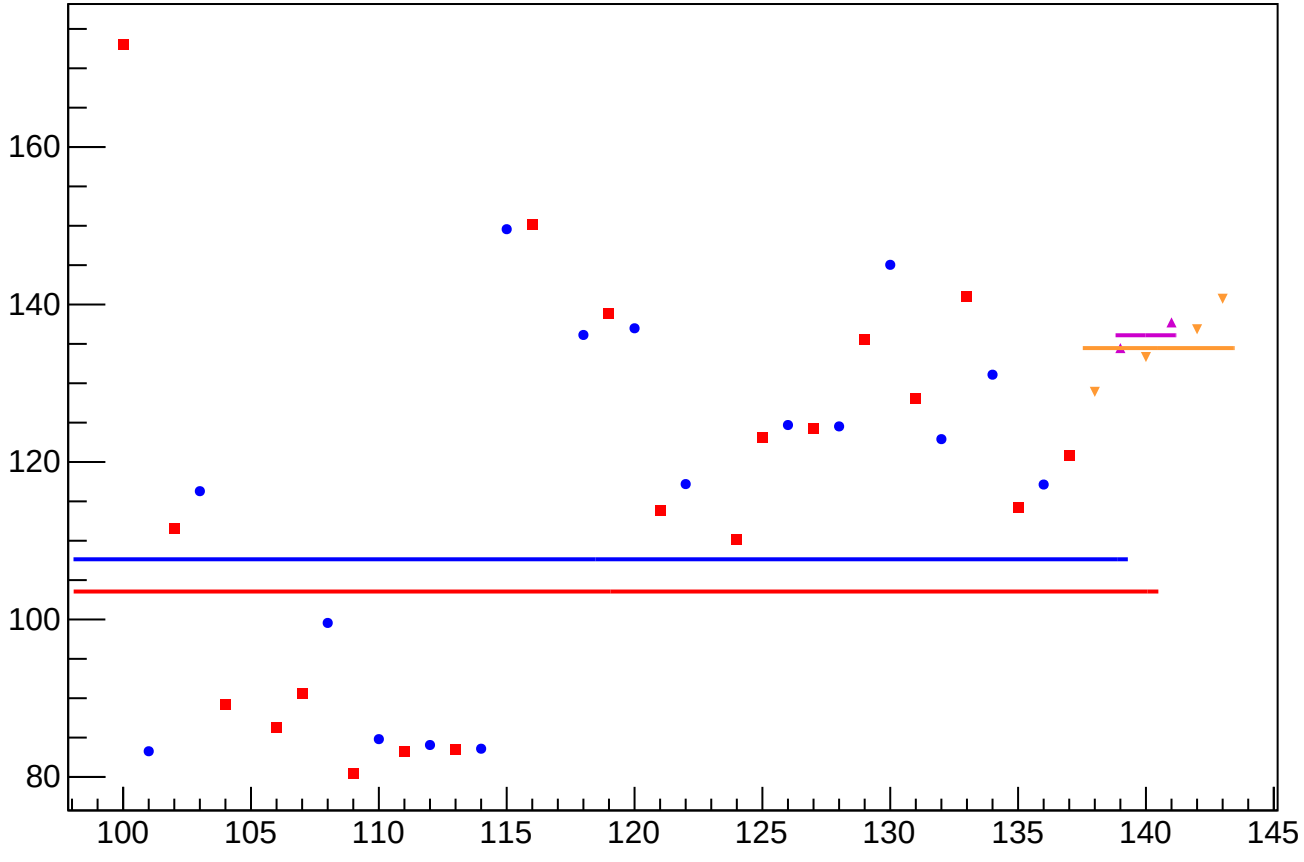
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: -29.013+/-38.067 χ^2/NDF:40.7/17

Out: 60.366+/-34.904 χ^2/NDF:39.0/22

All: 19.543+/-25.727 χ^2/NDF: 82.7/40

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

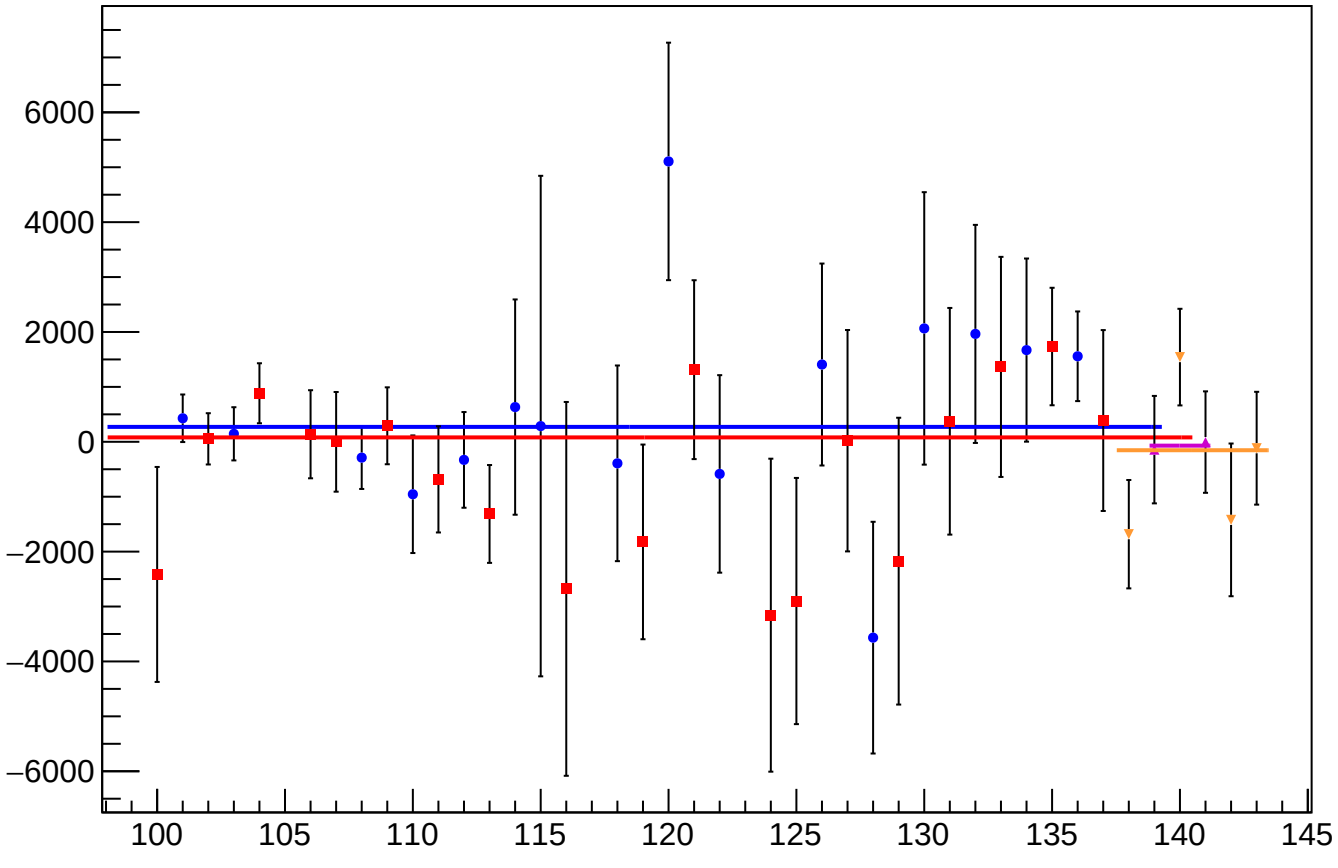
Left: 135.069+/-0.045 χ^2/NDF: 7320.9/5

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 111.494+/-0.027 χ^2/NDF:664032.9/17

Out: 109.532+/-0.025 χ^2/NDF:868724.7/22

All: 110.428+/-0.018 χ^2/NDF: 1535643.6/40



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: -153.559+/-514.132 χ^2/NDF:6.9/3

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -70.076+/-671.776 χ^2/NDF:0.0/1

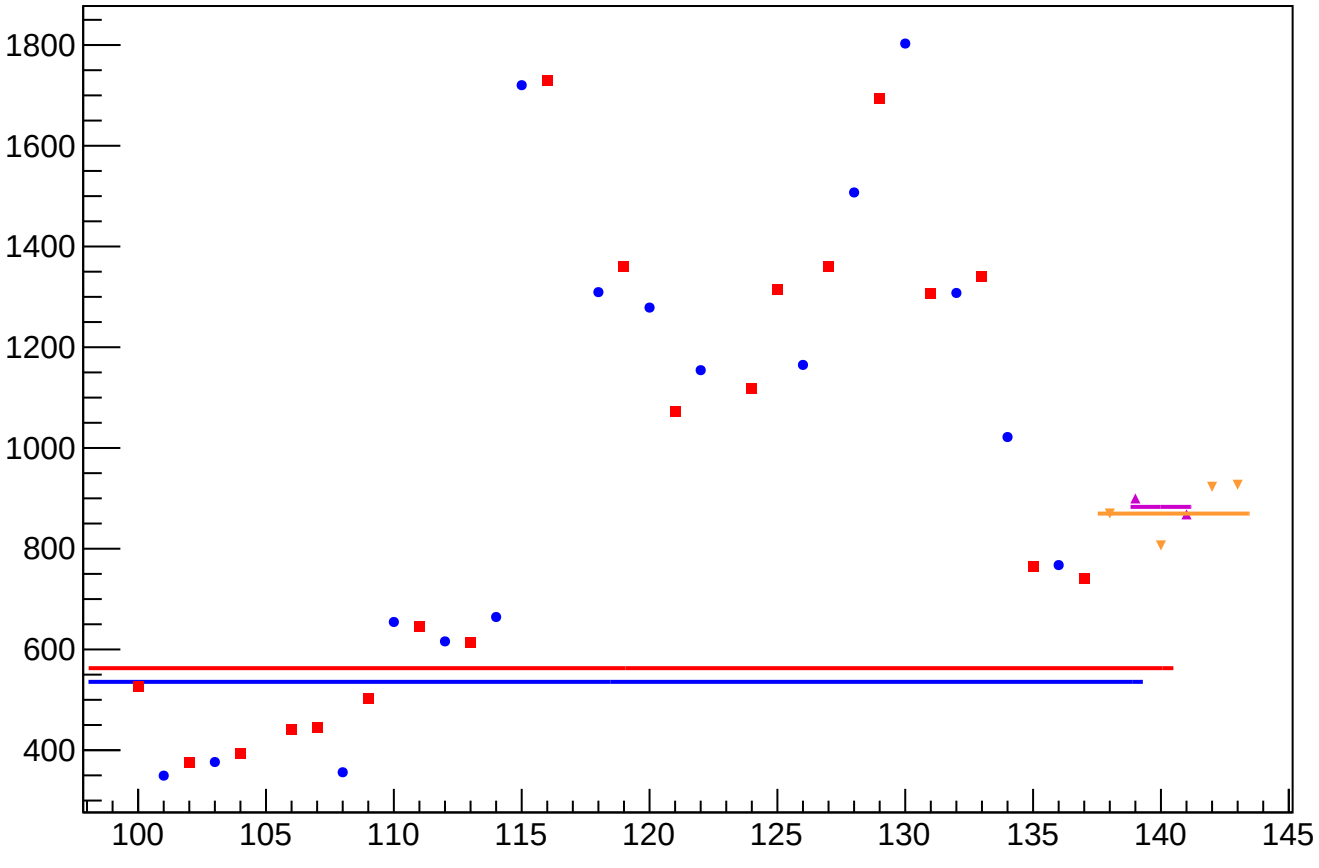
Left: -122.722+/-408.281 χ^2/NDF: 7.0/5

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 235.480+/-218.160 χ^2/NDF:16.7/17

Out: 40.522+/-211.584 χ^2/NDF:23.1/22

All: 135.019+/-151.884 χ^2/NDF: 40.3/40



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.7/3

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 883.069+/-0.475 χ^2/NDF:1105.9/1

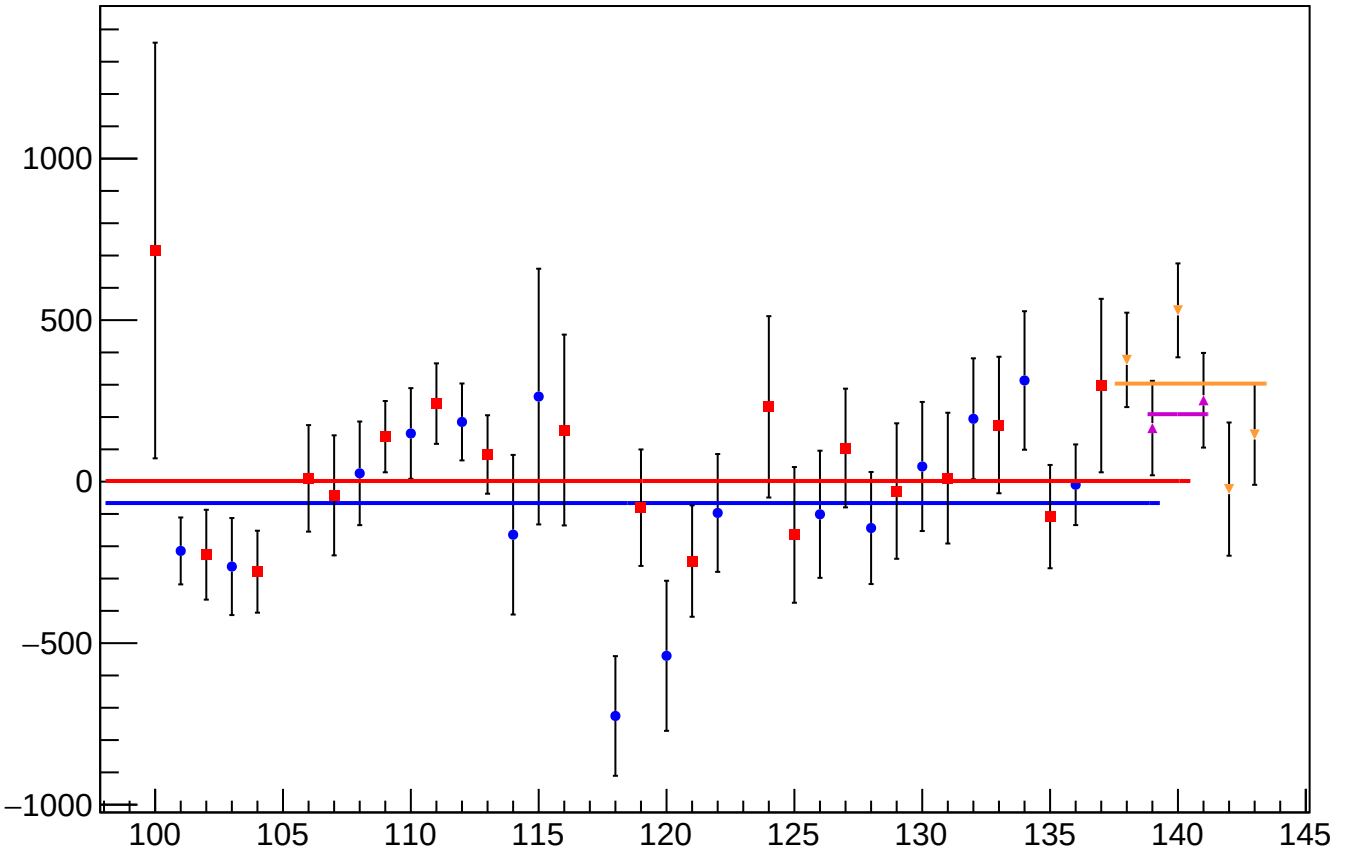
Left: 874.675+/-0.289 χ^2/NDF: 21061.8/5

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 572.320+/-0.154 χ^2/NDF:4111909.7/17

Out: 614.824+/-0.150 χ^2/NDF:3722496.5/22

All: 594.222+/-0.107 χ^2/NDF: 7873527.0/40



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.570+/-79.349 χ^2/NDF:6.2/3

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: 268.493+/-62.970 χ^2/NDF: 6.9/5

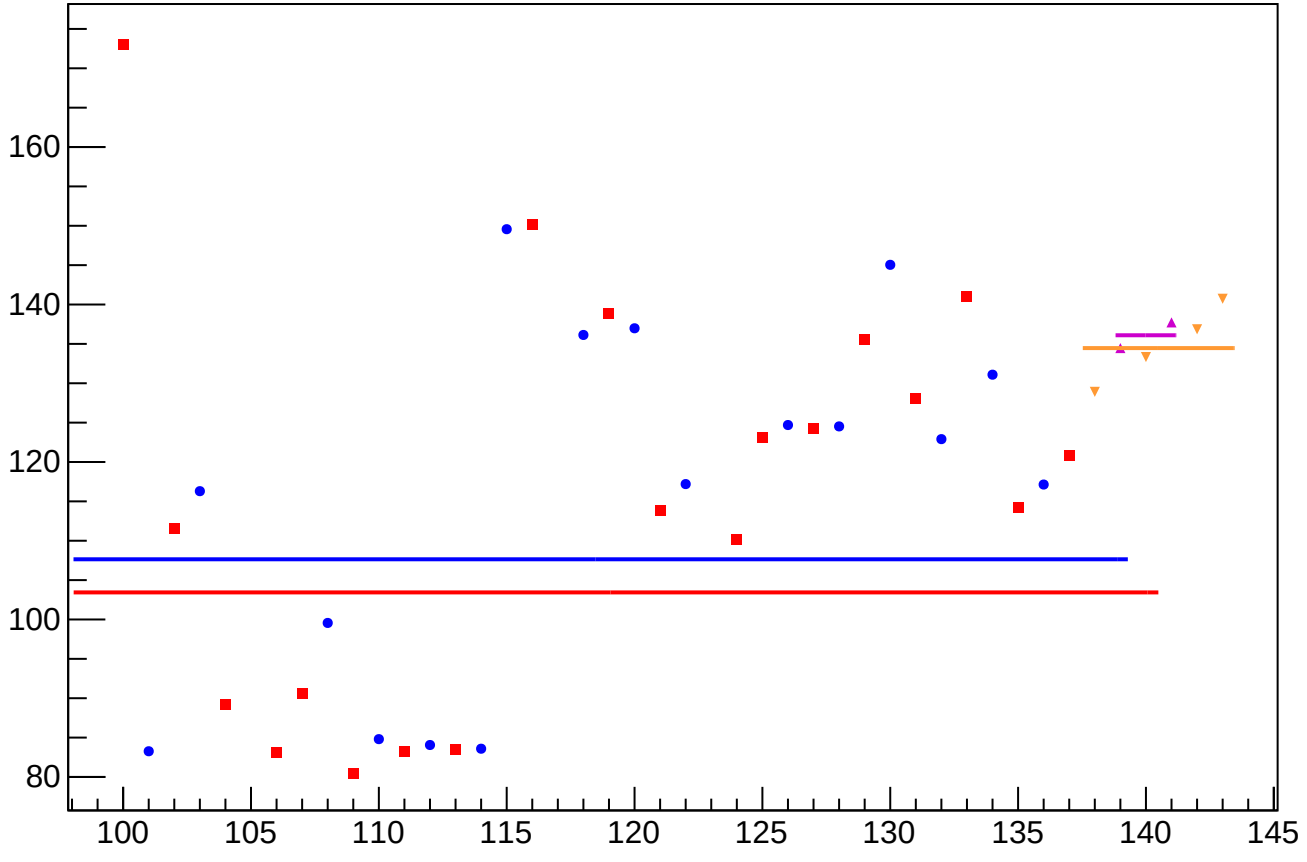
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -29.035+/-38.067 χ^2/NDF:40.7/17

Out: 60.572+/-34.955 χ^2/NDF:39.0/22

All: 19.580+/-25.747 χ^2/NDF: 82.7/40

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

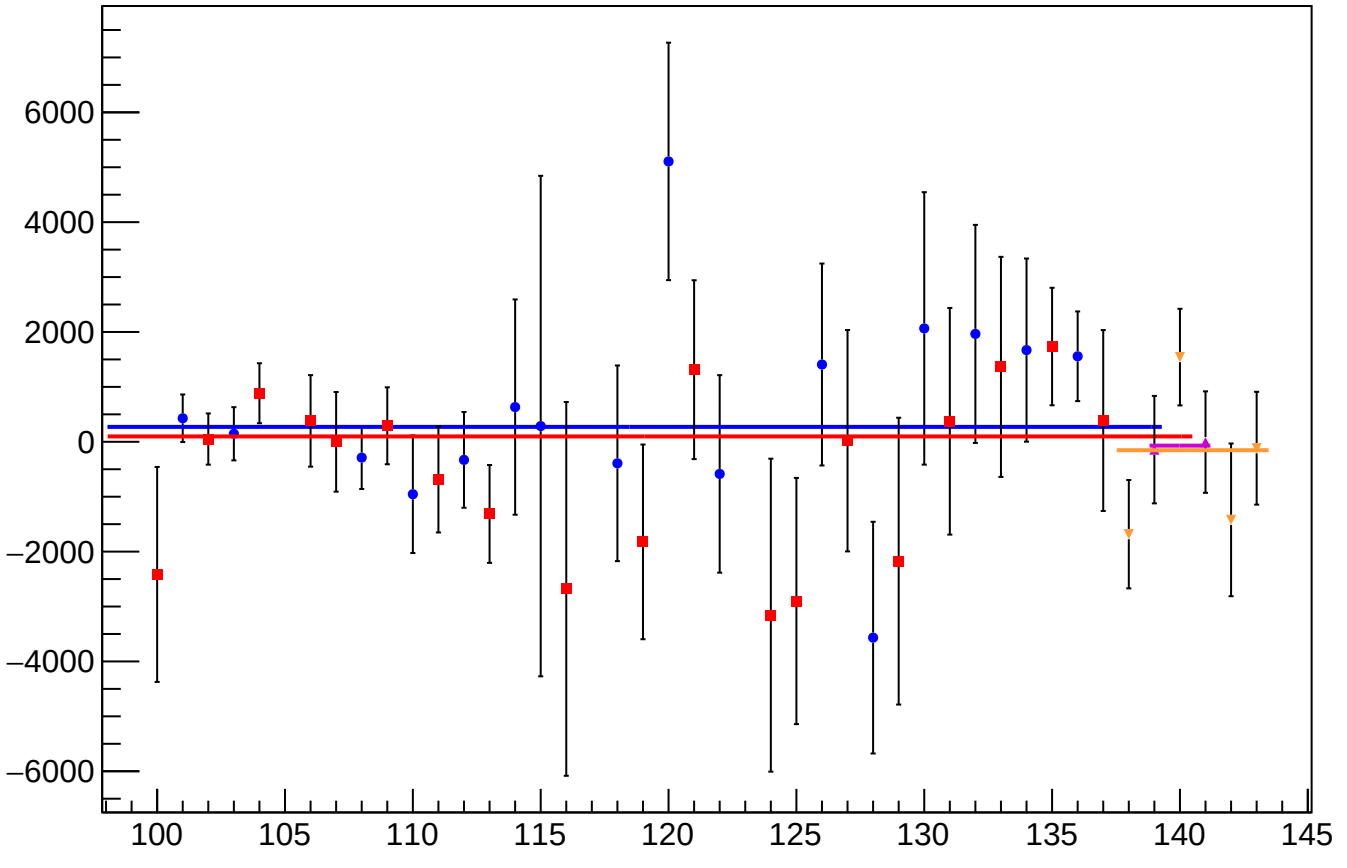
Left: 135.069+/-0.045 χ^2/NDF: 7320.9/5

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 111.494+/-0.027 χ^2/NDF:664033.5/17

Out: 109.459+/-0.025 χ^2/NDF:877735.7/22

All: 110.390+/-0.018 χ^2/NDF: 1544869.7/40



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -153.544+/-514.132 χ^2/NDF:6.9/3

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: -122.721+/-408.281 χ^2/NDF: 7.0/5

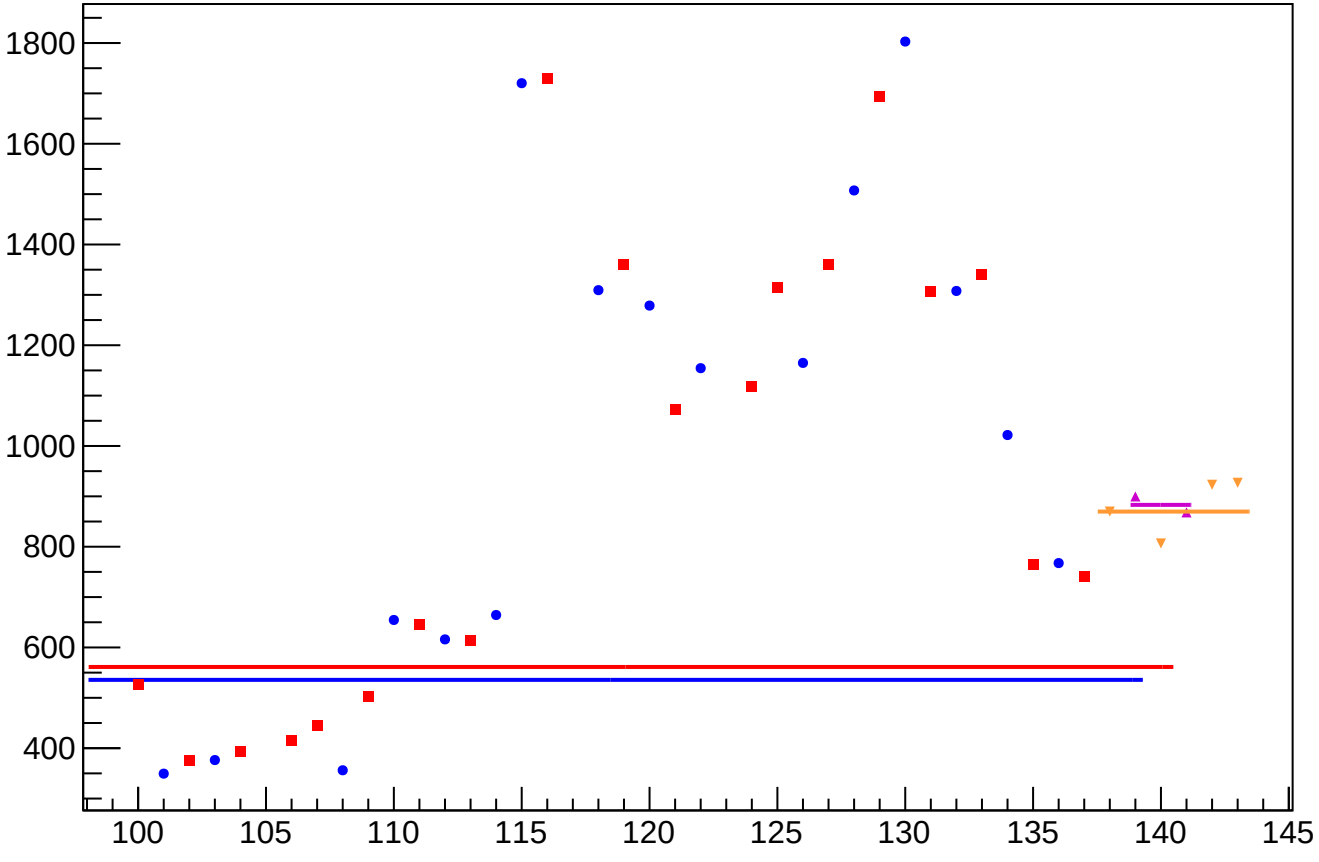
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 235.606+/-218.154 χ^2/NDF:16.7/17

Out: 55.080+/-212.058 χ^2/NDF:23.3/22

All: 142.785+/-152.057 χ^2/NDF: 40.3/40

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.9/3

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 883.069+/-0.475 χ^2/NDF:1106.0/1

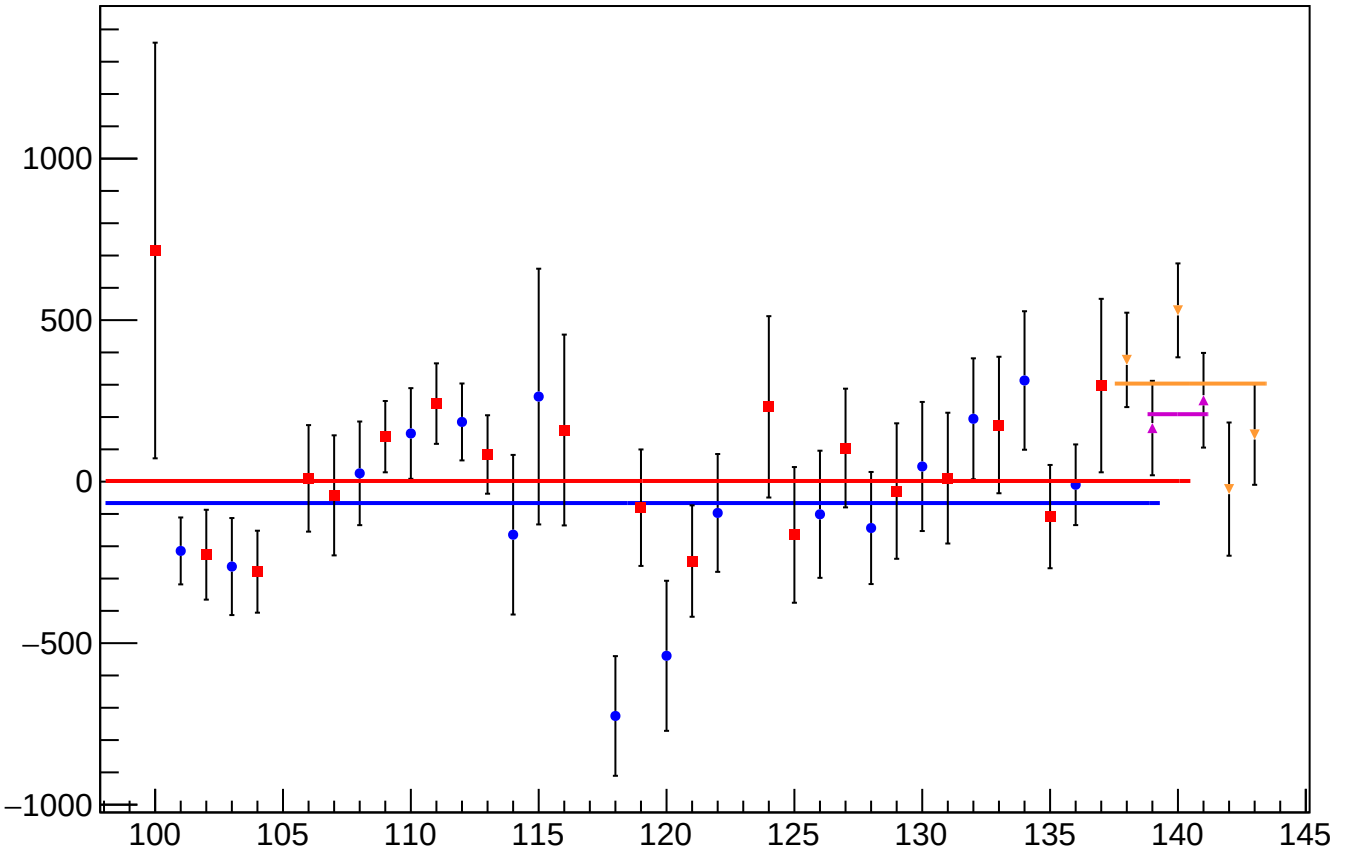
Left: 874.675+/-0.289 χ^2/NDF: 21062.1/5

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 572.298+/-0.154 χ^2/NDF:4112173.3/17

Out: 613.750+/-0.150 χ^2/NDF:3747771.1/22

All: 593.612+/-0.108 χ^2/NDF: 7897071.8/40



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 303.570+/-79.349 χ^2/NDF:6.2/3

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 208.828+/-103.488 χ^2/NDF:0.2/1

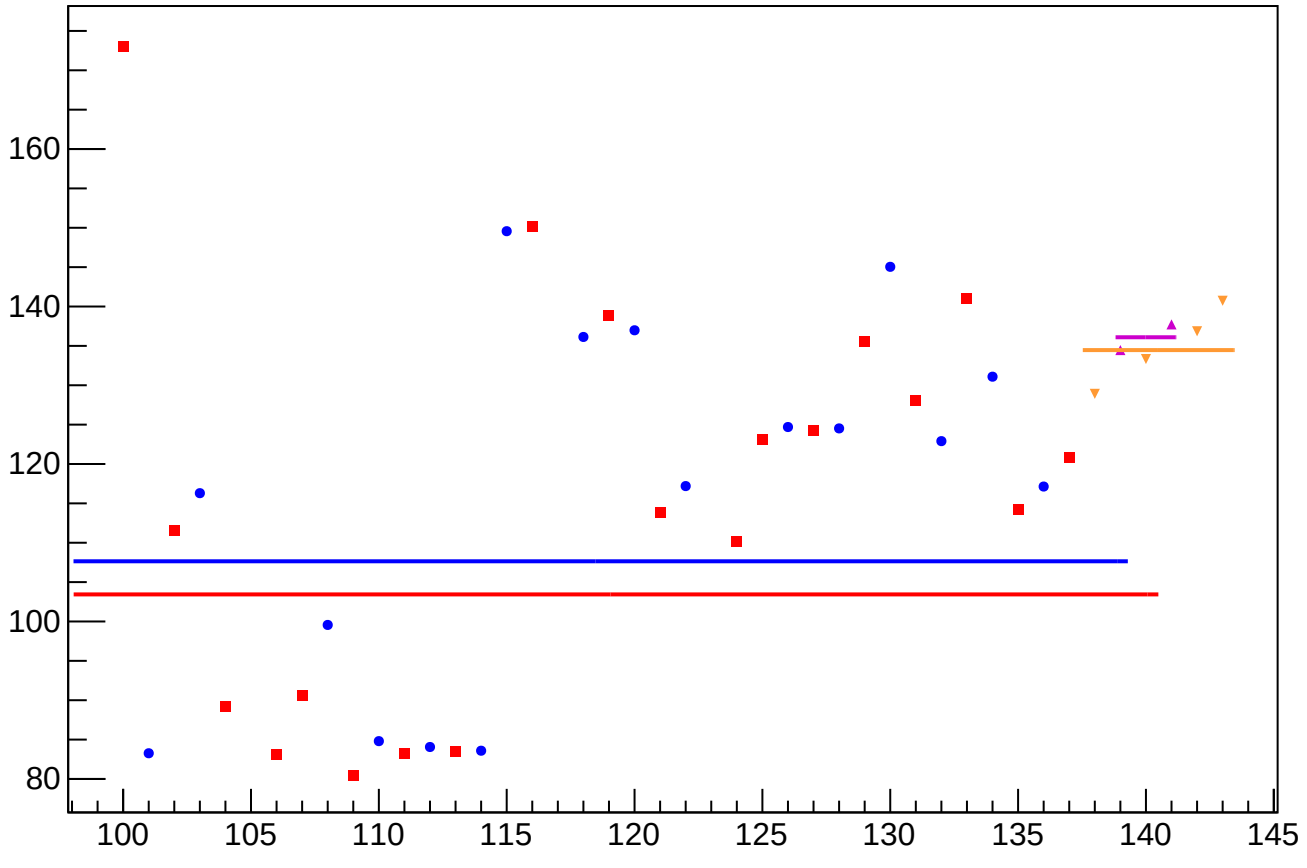
Left: 268.493+/-62.970 χ^2/NDF: 6.9/5

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: -29.035+/-38.067 χ^2/NDF:40.7/17

Out: 60.572+/-34.955 χ^2/NDF:39.0/22

All: 19.580+/-25.747 χ^2/NDF: 82.7/40



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 134.466+/-0.056 χ^2/NDF:6512.5/3

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 136.096+/-0.073 χ^2/NDF:496.2/1

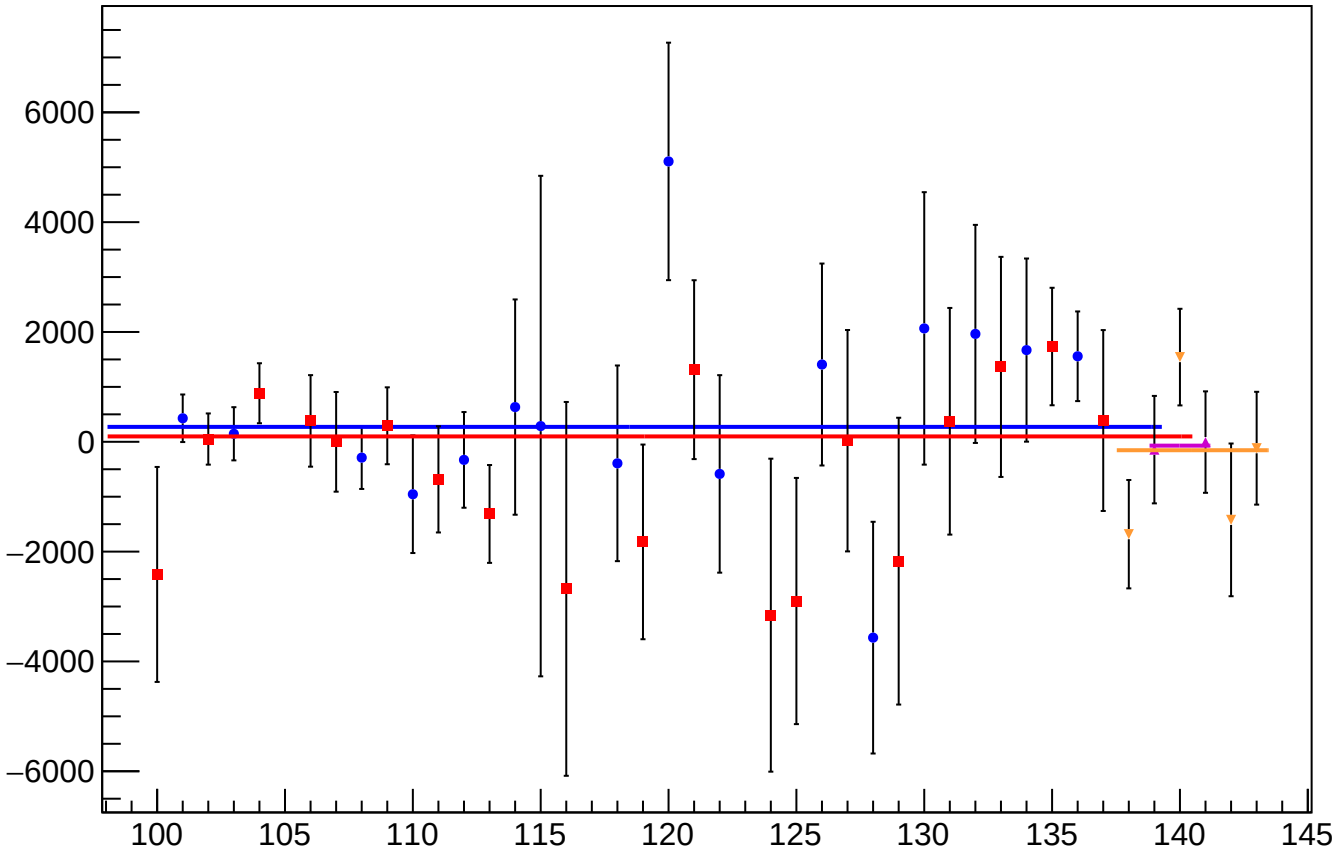
Left: 135.069+/-0.045 χ^2/NDF: 7320.9/5

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 111.494+/-0.027 χ^2/NDF:664033.5/17

Out: 109.459+/-0.025 χ^2/NDF:877735.7/22

All: 110.390+/-0.018 χ^2/NDF: 1544869.7/40



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -153.544+/-514.132 χ^2/NDF:6.9/3

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -70.098+/-671.776 χ^2/NDF:0.0/1

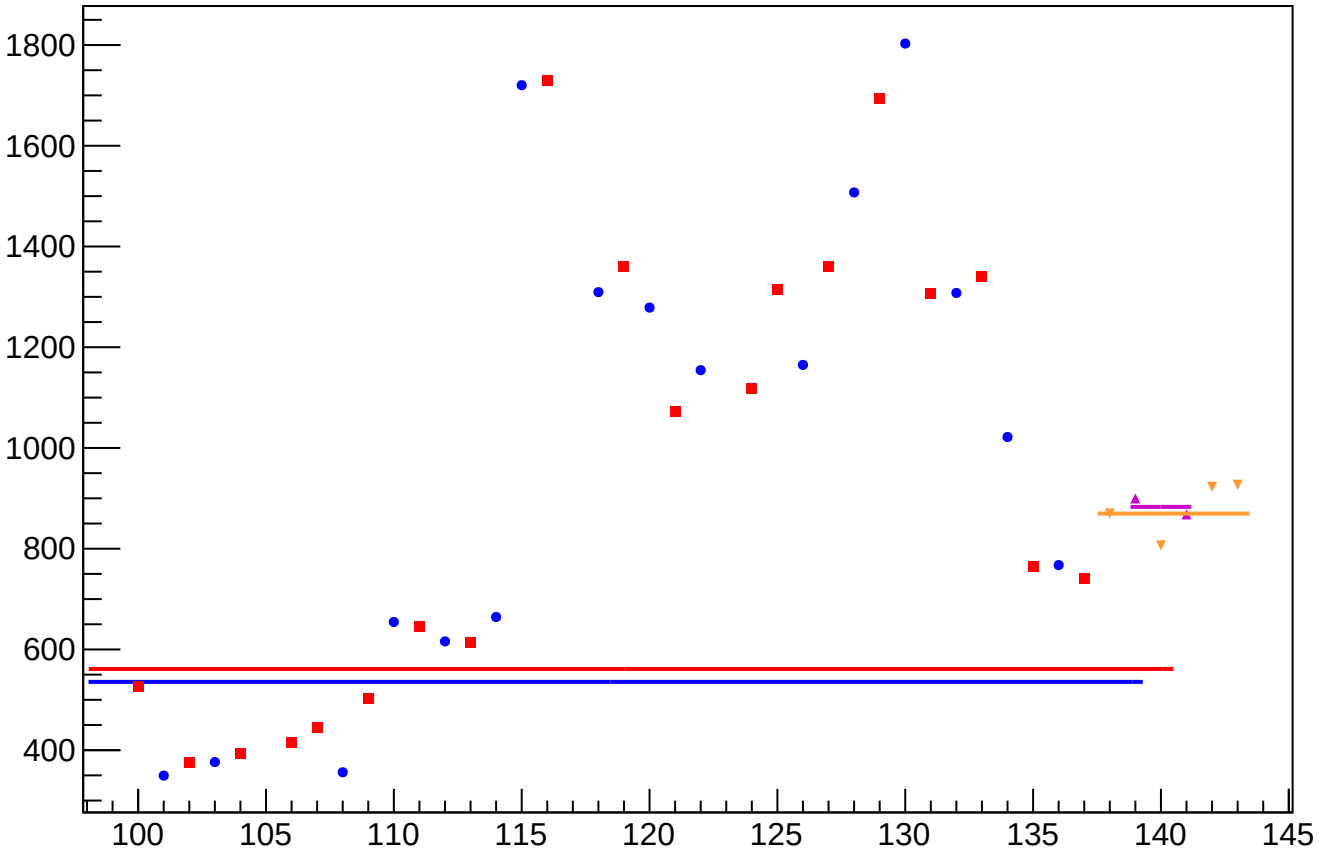
Left: -122.721+/-408.281 χ^2/NDF: 7.0/5

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 235.606+/-218.154 χ^2/NDF:16.7/17

Out: 55.080+/-212.058 χ^2/NDF:23.3/22

All: 142.785+/-152.057 χ^2/NDF: 40.3/40



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 869.759+/-0.364 χ^2/NDF:19460.9/3

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: 874.675+/-0.289 χ^2/NDF: 21062.1/5

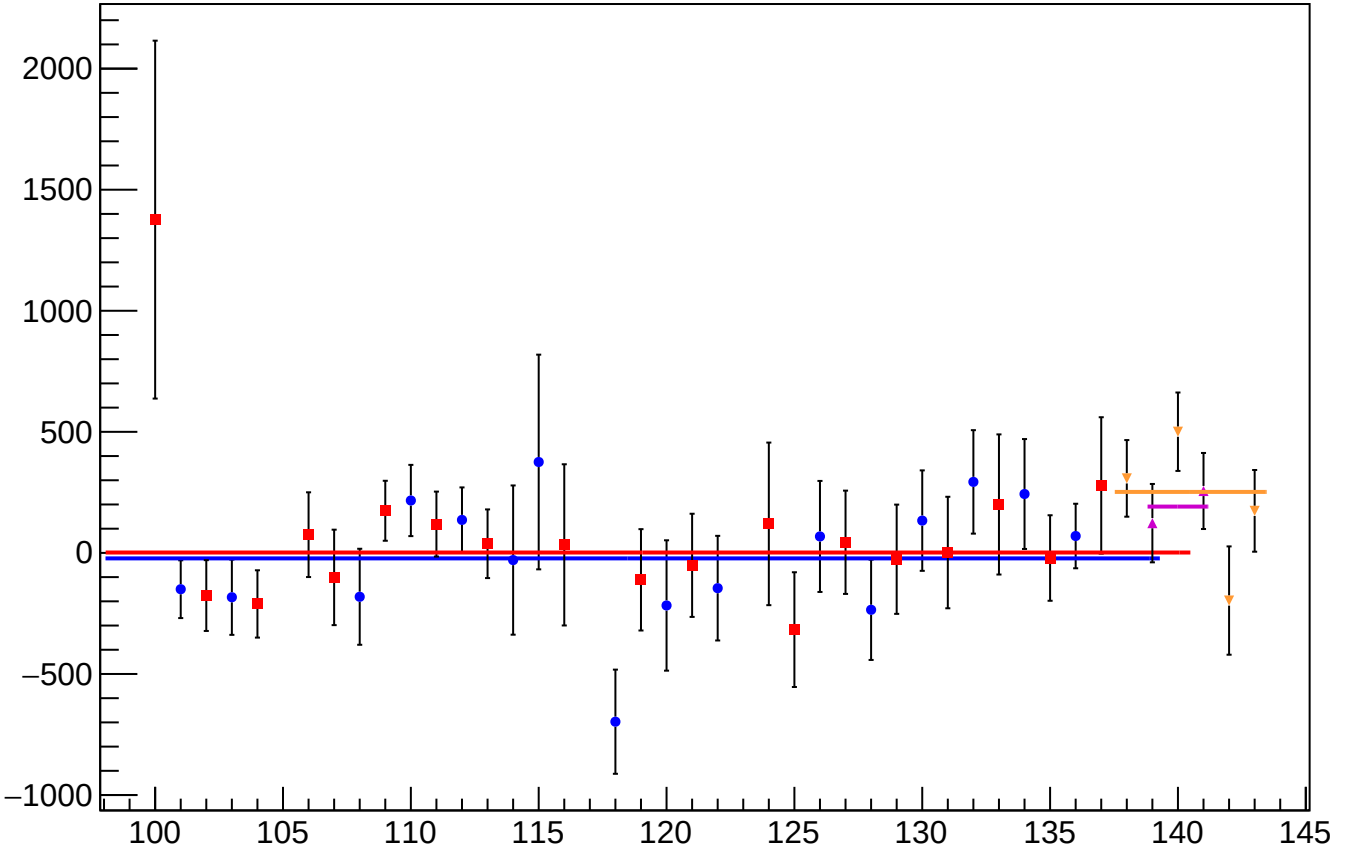
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 572.298+/-0.154 χ^2/NDF:4112173.3/17

Out: 613.750+/-0.150 χ^2/NDF:3747771.1/22

All: 593.612+/-0.108 χ^2/NDF: 7897071.8/40

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.877+/-86.644 χ^2/NDF:6.7/3

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 191.303+/-112.719 χ^2/NDF:0.3/1

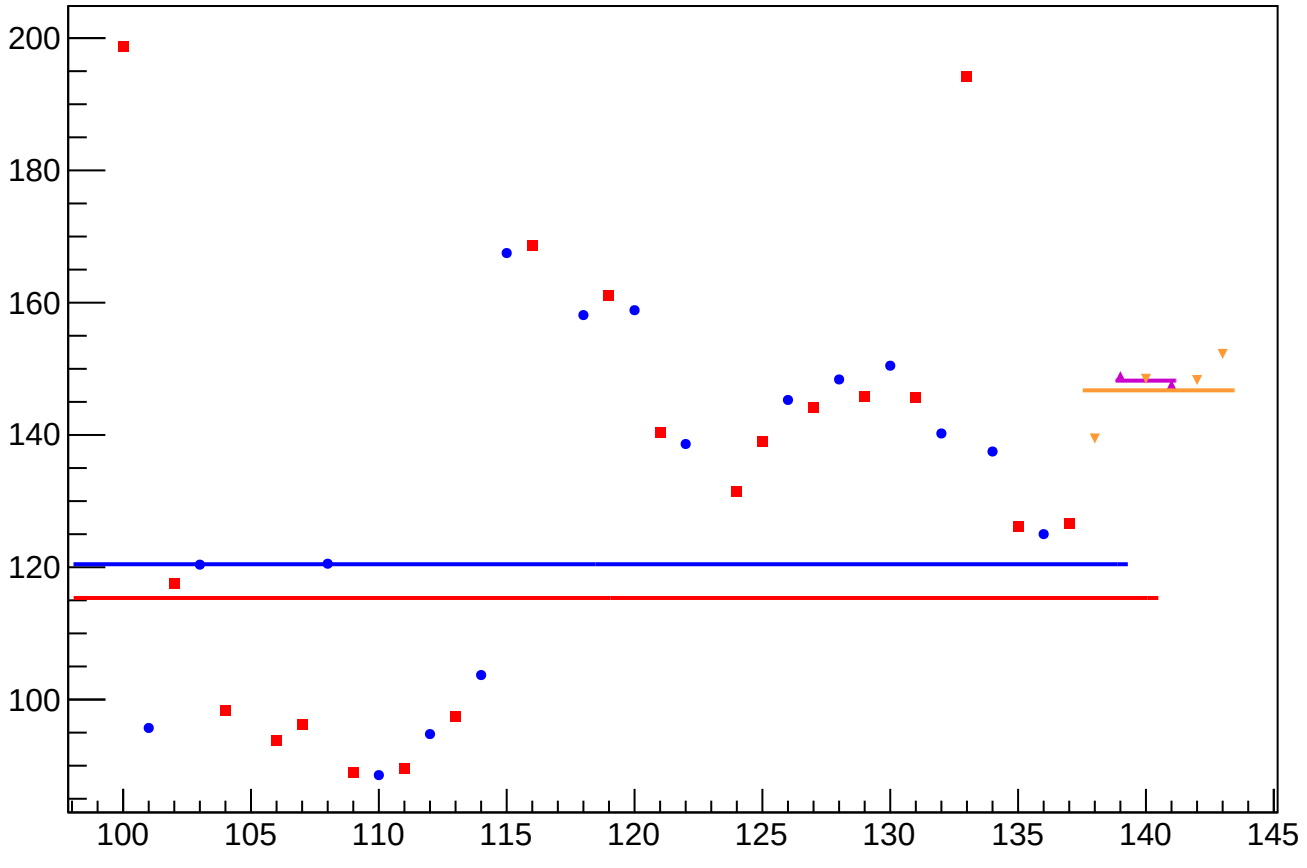
Left: 229.380+/-68.695 χ^2/NDF: 7.2/5

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 7.767+/-42.517 χ^2/NDF:27.6/17

Out: 52.101+/-38.921 χ^2/NDF:27.7/22

All: 31.888+/-28.708 χ^2/NDF: 55.9/40



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 146.746+/-0.061 χ^2/NDF:6694.7/3

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 148.215+/-0.080 χ^2/NDF:67.7/1

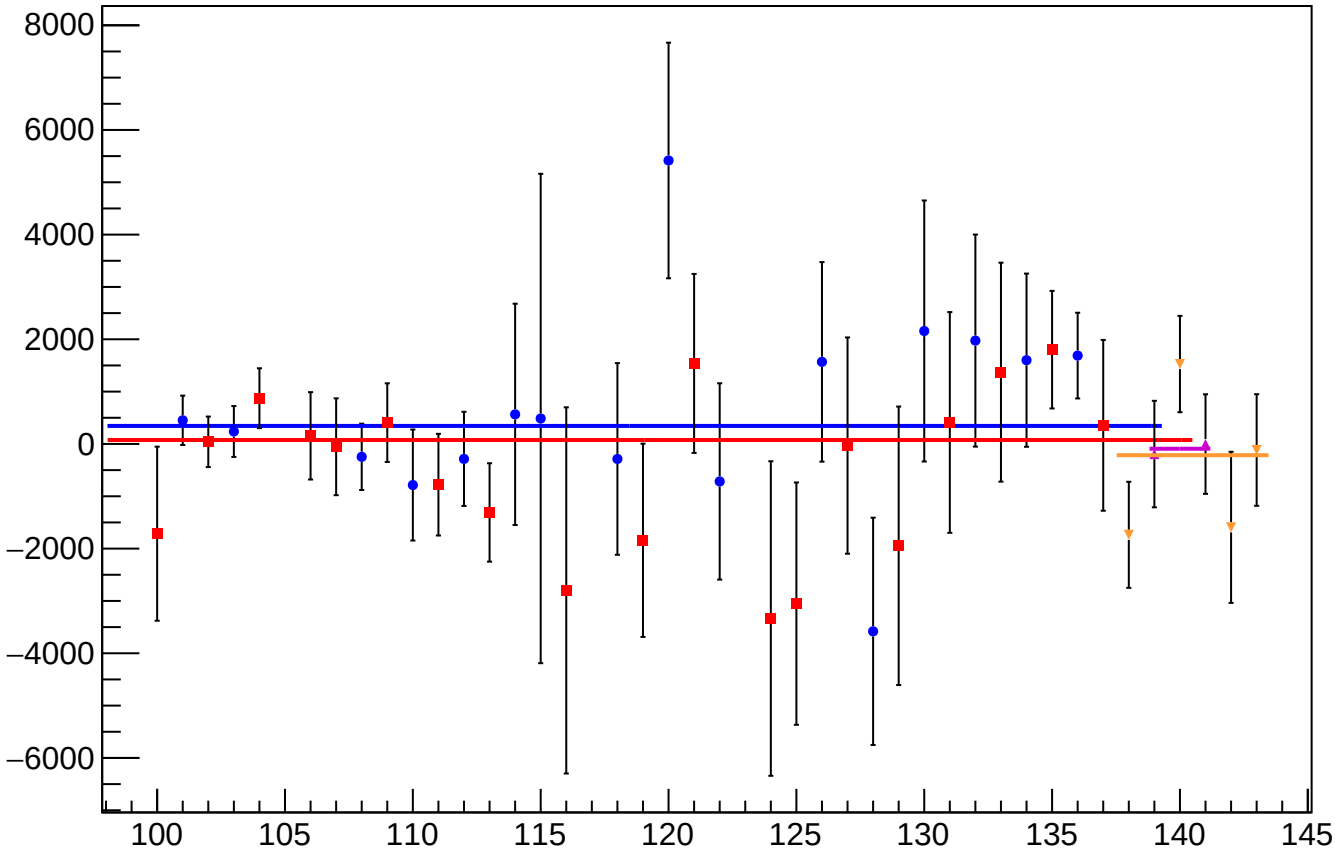
Left: 147.292+/-0.049 χ^2/NDF: 6975.9/5

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 124.407+/-0.030 χ^2/NDF:634420.2/17

Out: 121.691+/-0.028 χ^2/NDF:983456.6/22

All: 122.929+/-0.020 χ^2/NDF: 1622319.6/40



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -215.093+/-533.555 χ^2/NDF:6.8/3

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: -169.300+/-423.191 χ^2/NDF: 6.8/5

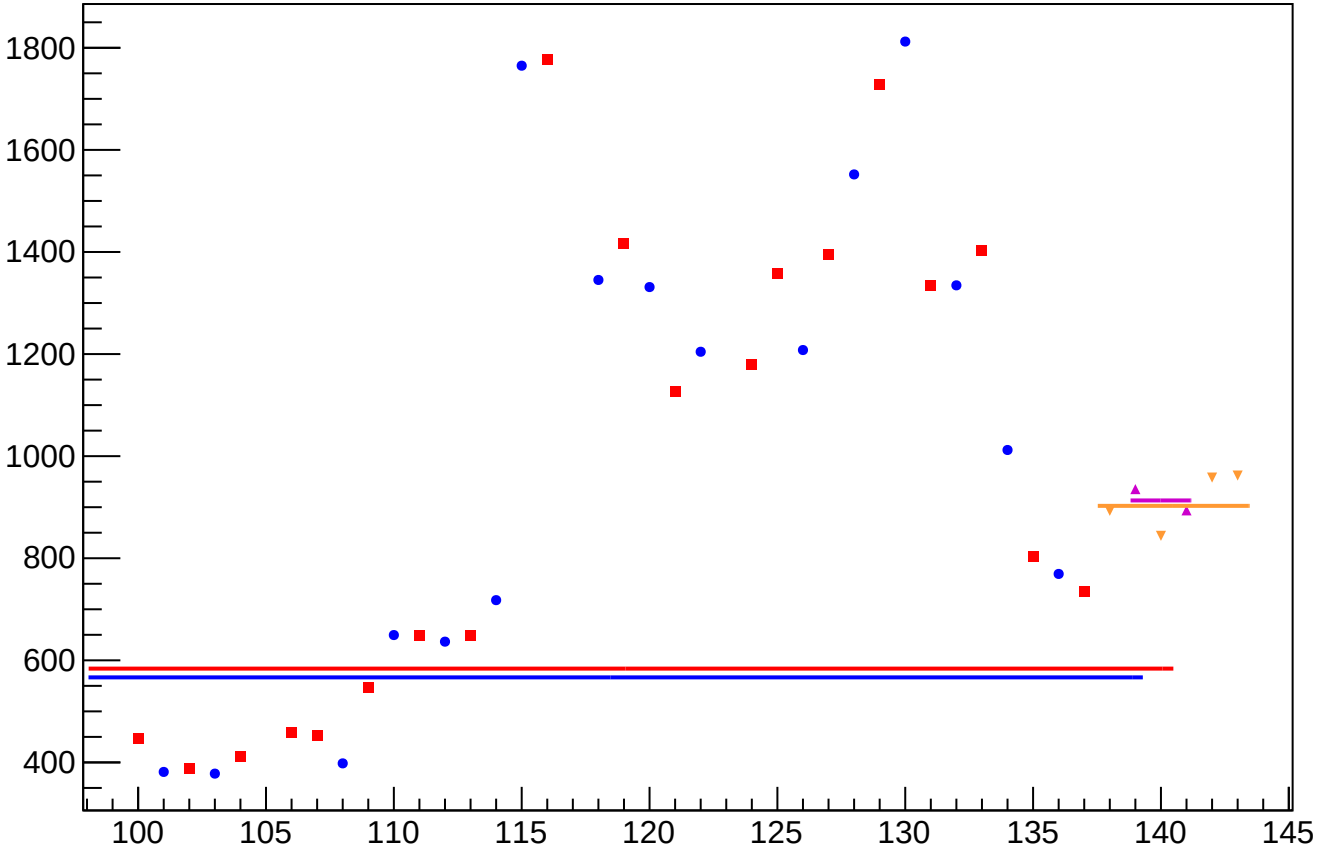
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 297.430+/-228.142 χ^2/NDF:16.6/17

Out: 26.381+/-219.240 χ^2/NDF:22.3/22

All: 156.514+/-158.080 χ^2/NDF: 39.6/40

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 902.632+/-0.377 χ^2/NDF:17466.3/3

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 913.243+/-0.491 χ^2/NDF:1787.5/1

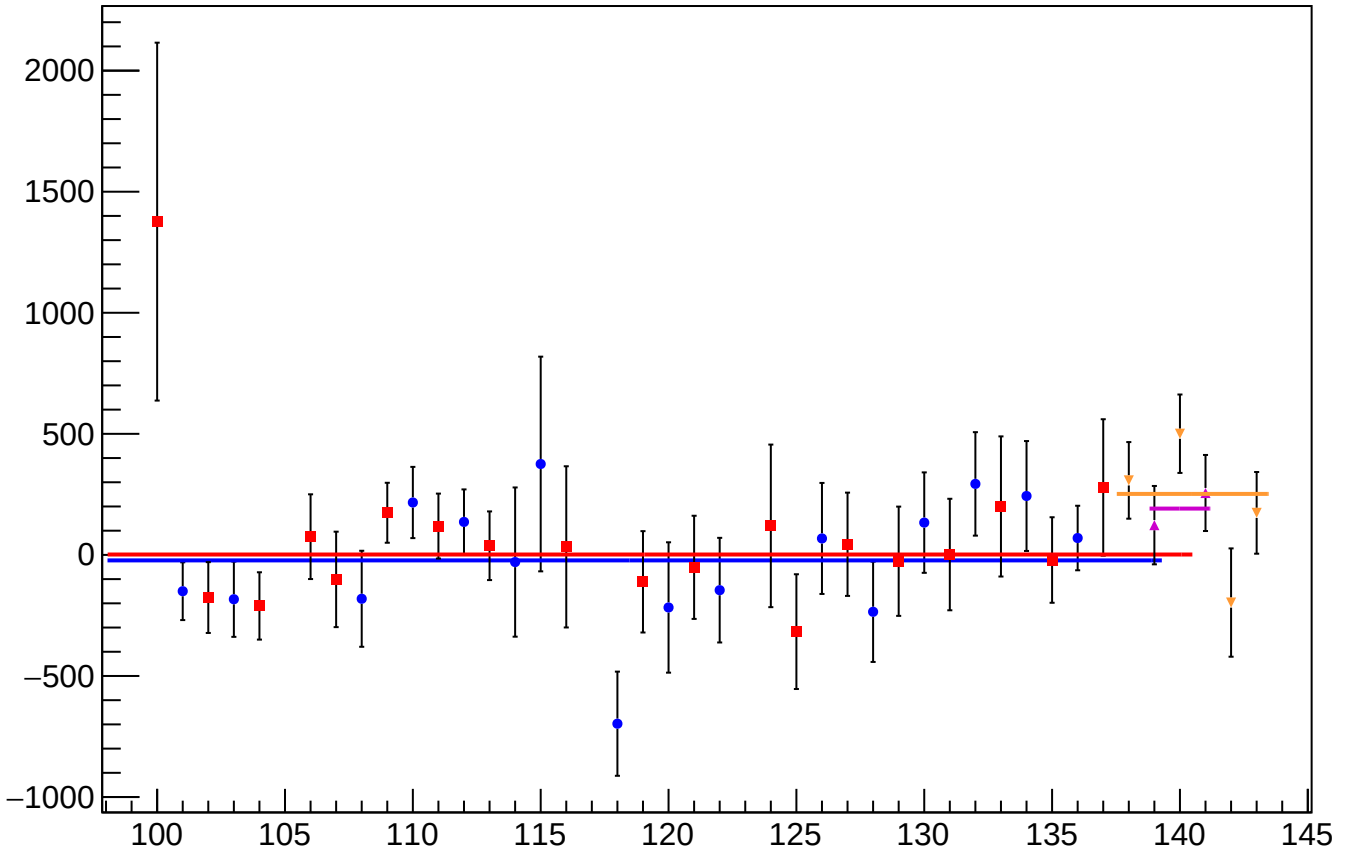
Left: 906.568+/-0.299 χ^2/NDF: 19547.2/5

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 603.970+/-0.161 χ^2/NDF:3878290.9/17

Out: 637.627+/-0.155 χ^2/NDF:3718584.2/22

All: 621.468+/-0.112 χ^2/NDF: 7619505.4/40



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.881+/-86.644 χ^2/NDF:6.7/3

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 191.301+/-112.719 χ^2/NDF:0.3/1

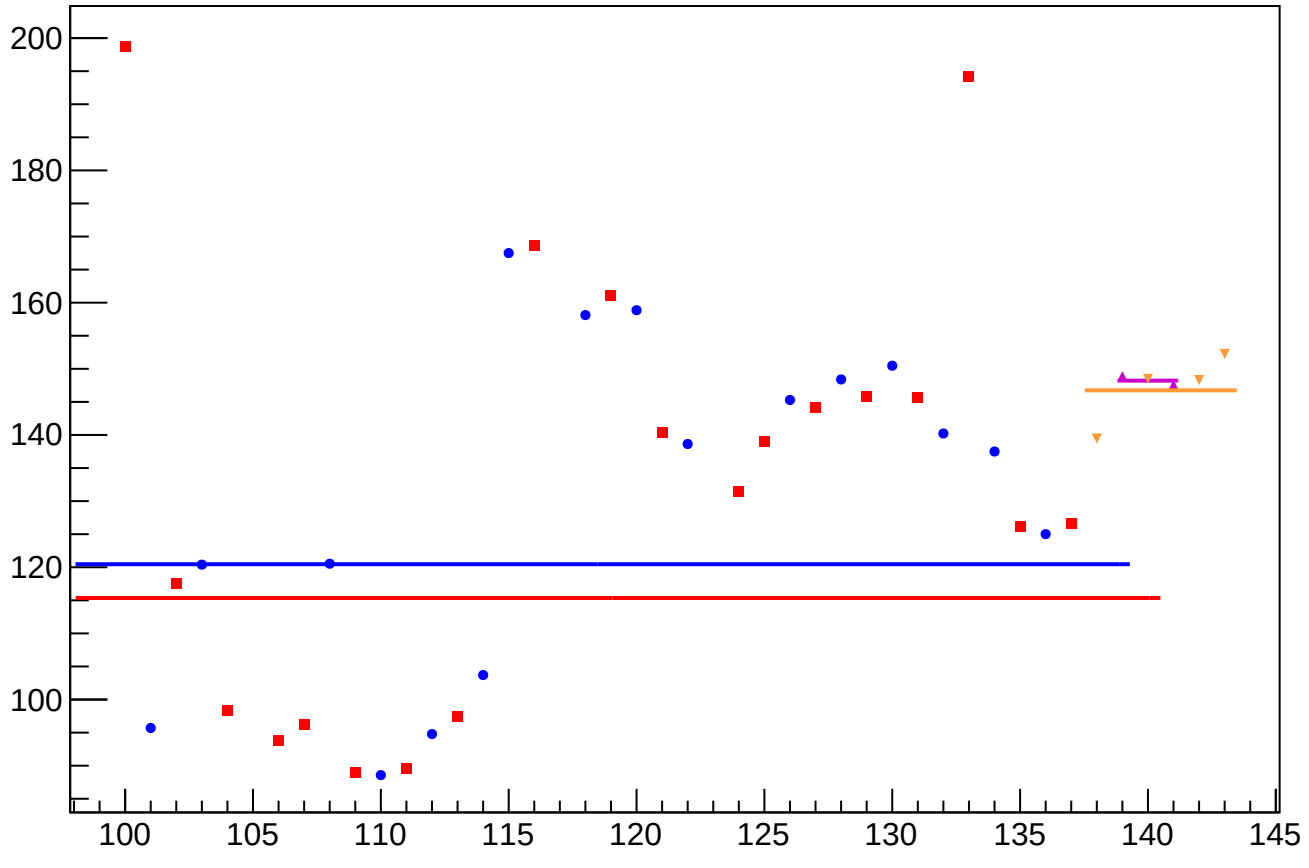
Left: 229.381+/-68.694 χ^2/NDF: 7.2/5

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 7.765+/-42.517 χ^2/NDF:27.6/17

Out: 52.103+/-38.920 χ^2/NDF:27.7/22

All: 31.888+/-28.708 χ^2/NDF: 55.9/40



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 146.746+/-0.061 χ^2/NDF:6694.3/3

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 148.215+/-0.080 χ^2/NDF:67.7/1

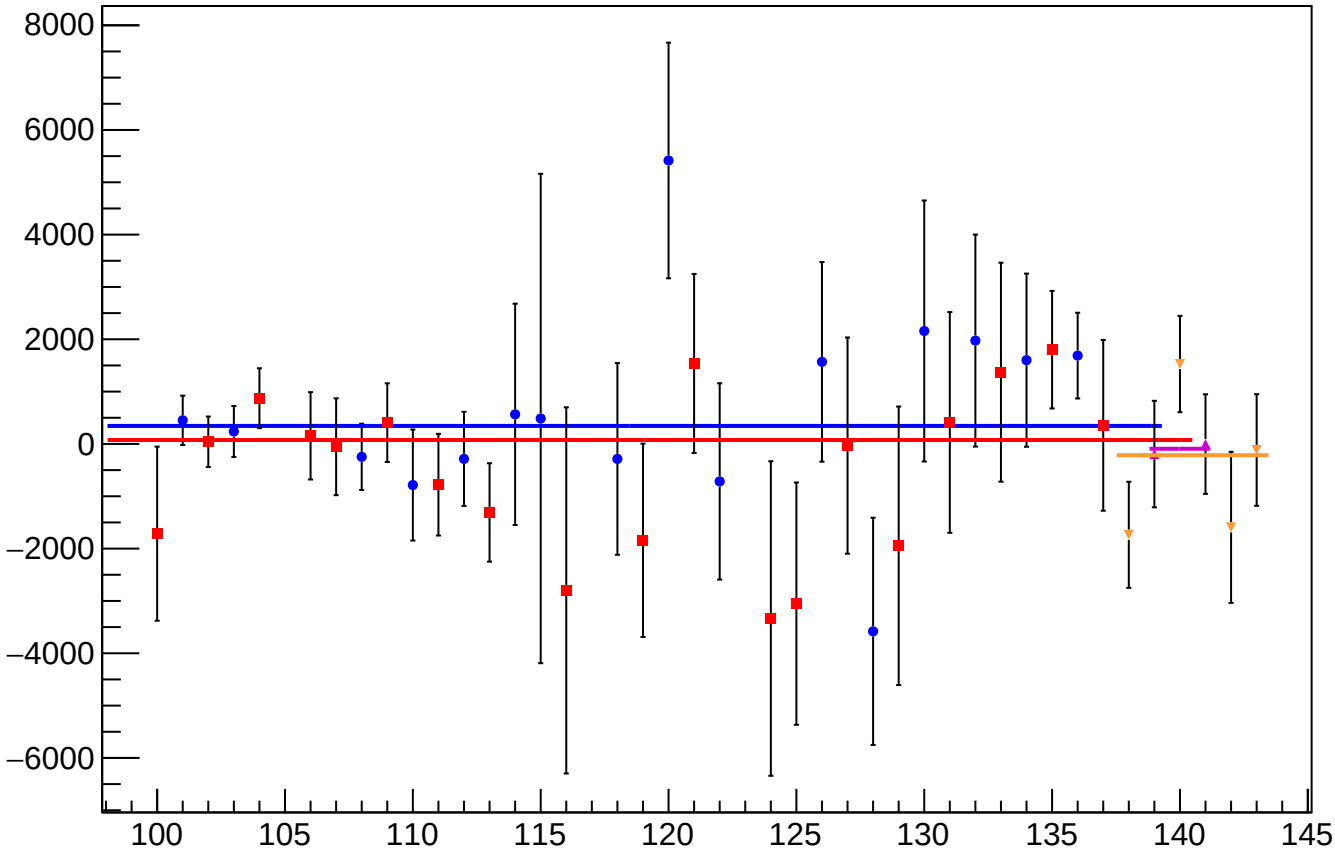
Left: 147.291+/-0.049 χ^2/NDF: 6975.5/5

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 124.407+/-0.030 χ^2/NDF:634424.4/17

Out: 121.691+/-0.028 χ^2/NDF:983455.8/22

All: 122.929+/-0.020 χ^2/NDF: 1622322.8/40



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -215.087+/-533.554 χ^2/NDF:6.8/3

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: -169.297+/-423.190 χ^2/NDF: 6.8/5

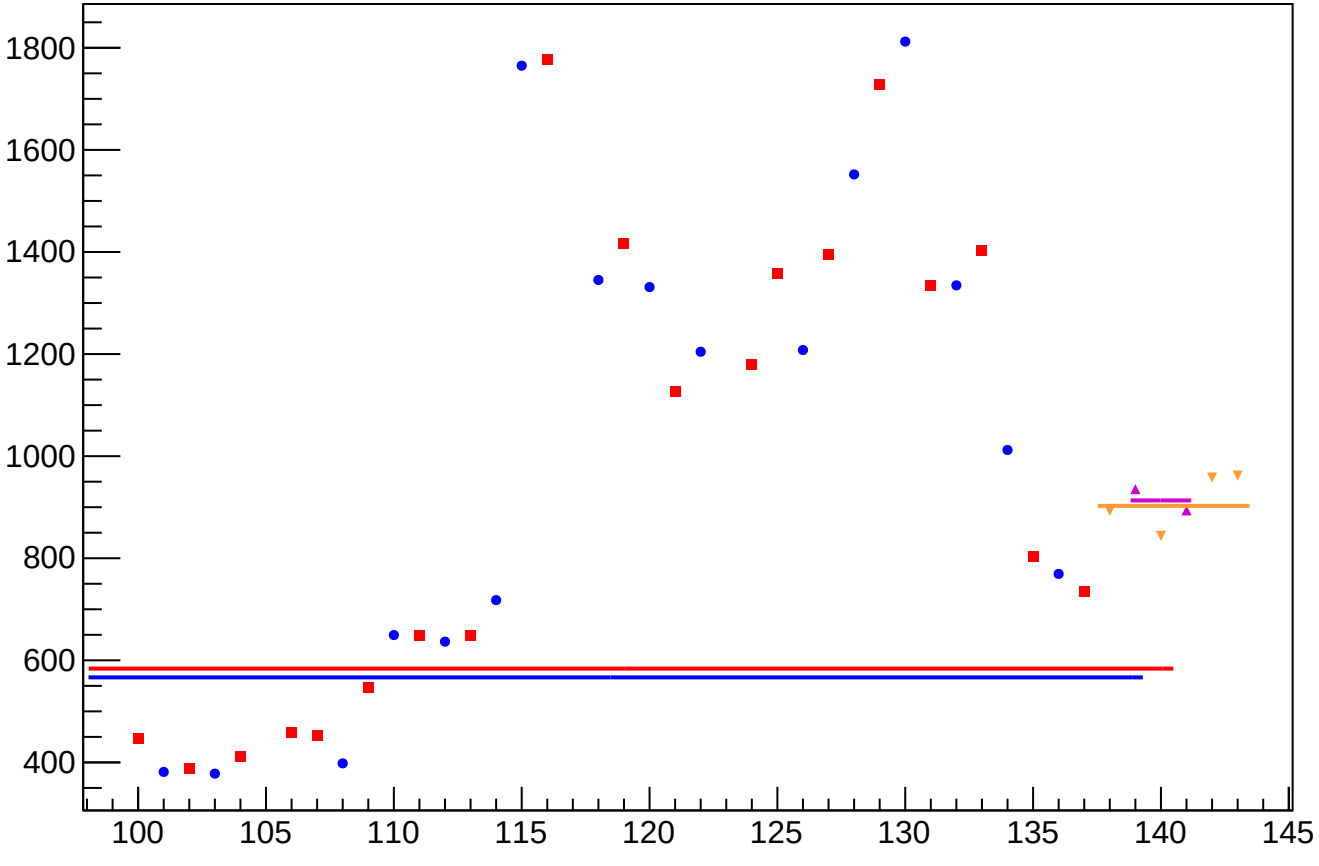
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 297.429+/-228.142 χ^2/NDF:16.6/17

Out: 26.383+/-219.240 χ^2/NDF:22.3/22

All: 156.515+/-158.079 χ^2/NDF: 39.6/40

asym_sam6_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 902.631+/-0.377 χ^2/NDF:17466.5/3

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: 906.567+/-0.299 χ^2/NDF: 19547.6/5

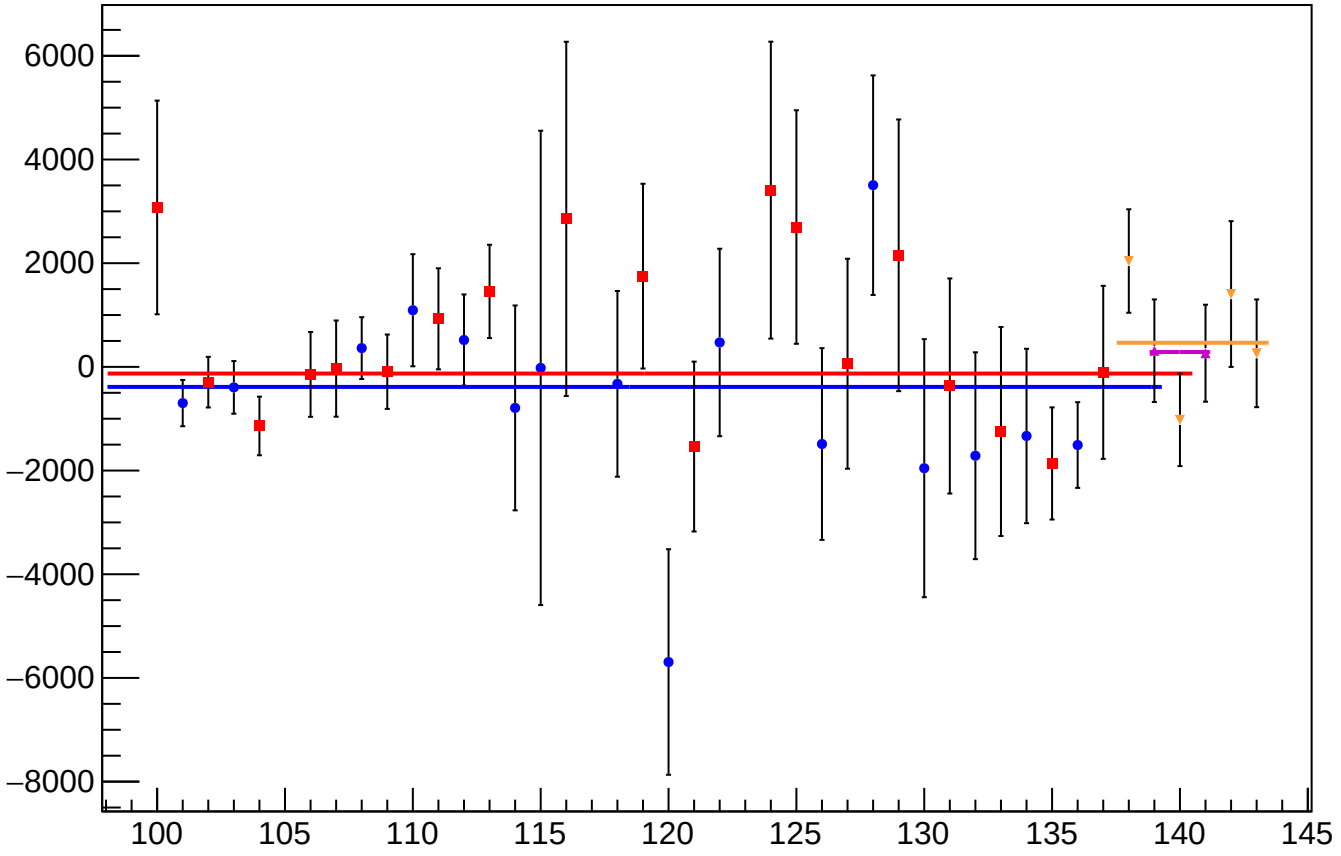
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 603.969+/-0.161 χ^2/NDF:3878295.9/17

Out: 637.627+/-0.155 χ^2/NDF:3718583.9/22

All: 621.468+/-0.112 χ^2/NDF: 7619510.5/40

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 465.389+/-520.330 χ^2/NDF:5.8/3

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: 399.222+/-413.187 χ^2/NDF: 5.8/5

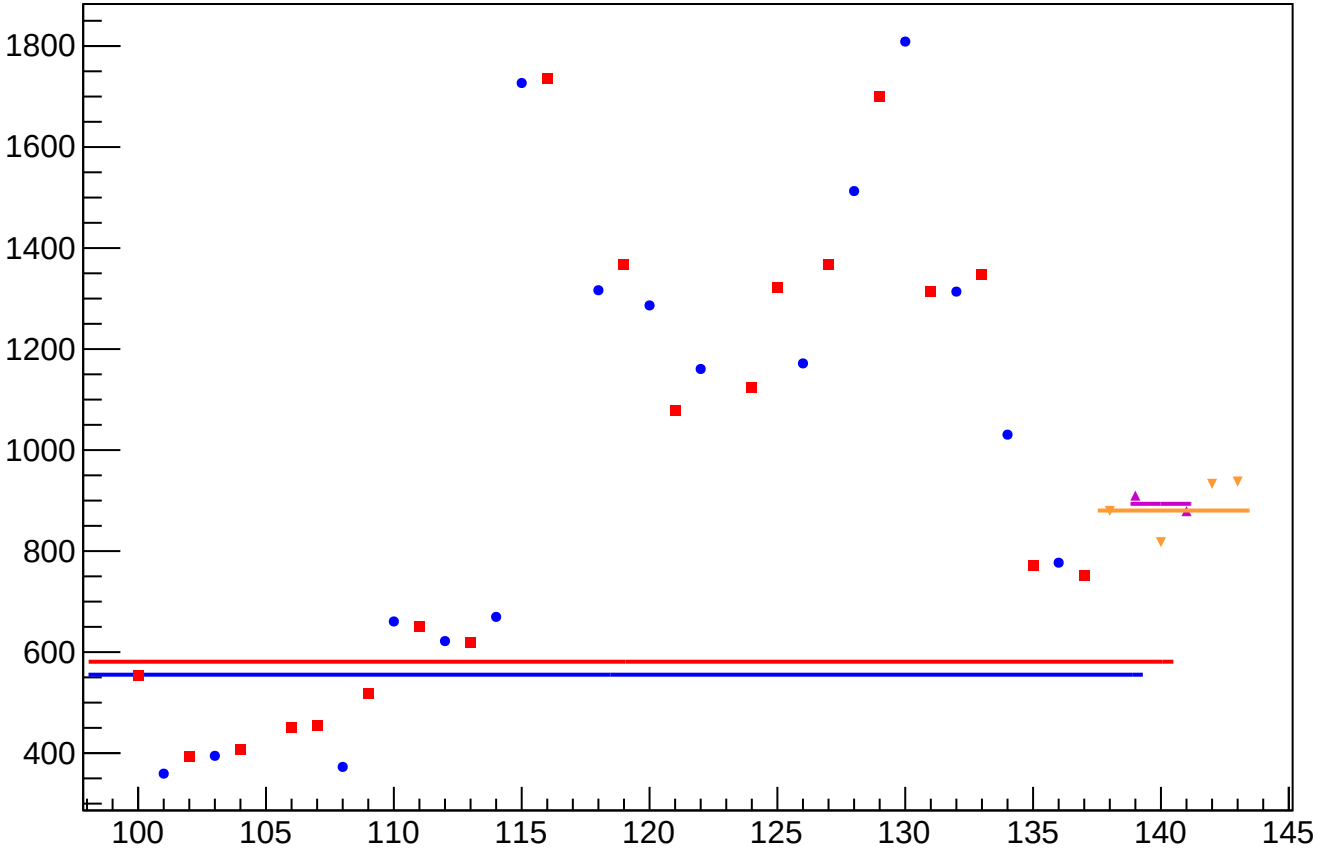
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -313.321+/-224.231 χ^2/NDF:18.8/17

Out: -25.643+/-216.615 χ^2/NDF:26.2/22

All: -164.513+/-155.793 χ^2/NDF: 45.9/40

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 880.329+/-0.368 χ^2/NDF:18801.1/3

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 893.658+/-0.481 χ^2/NDF:1017.2/1

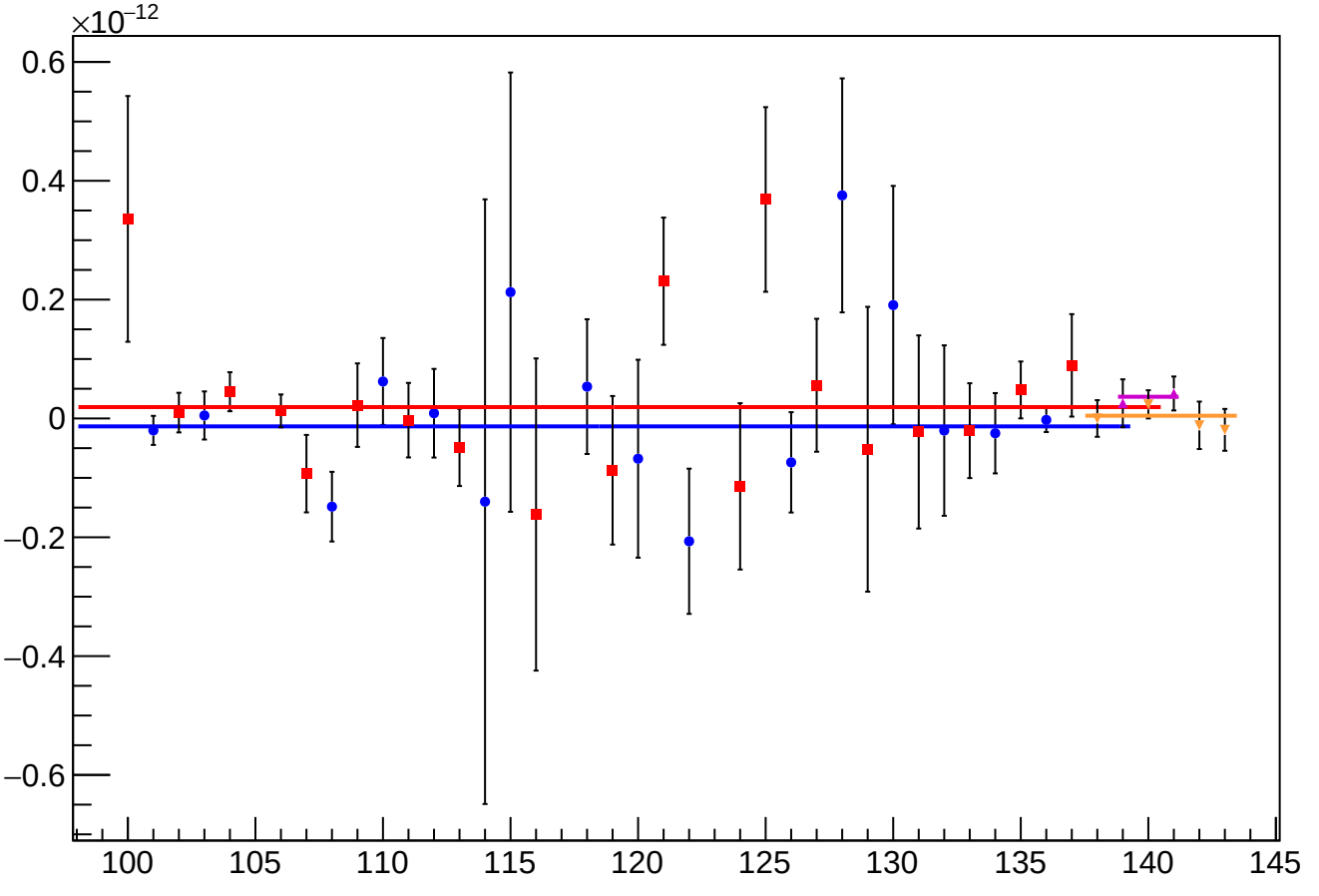
Left: 885.253+/-0.292 χ^2/NDF: 20303.2/5

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 592.106+/-0.159 χ^2/NDF:3925135.7/17

Out: 632.872+/-0.153 χ^2/NDF:3549534.9/22

All: 613.193+/-0.110 χ^2/NDF: 7508864.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

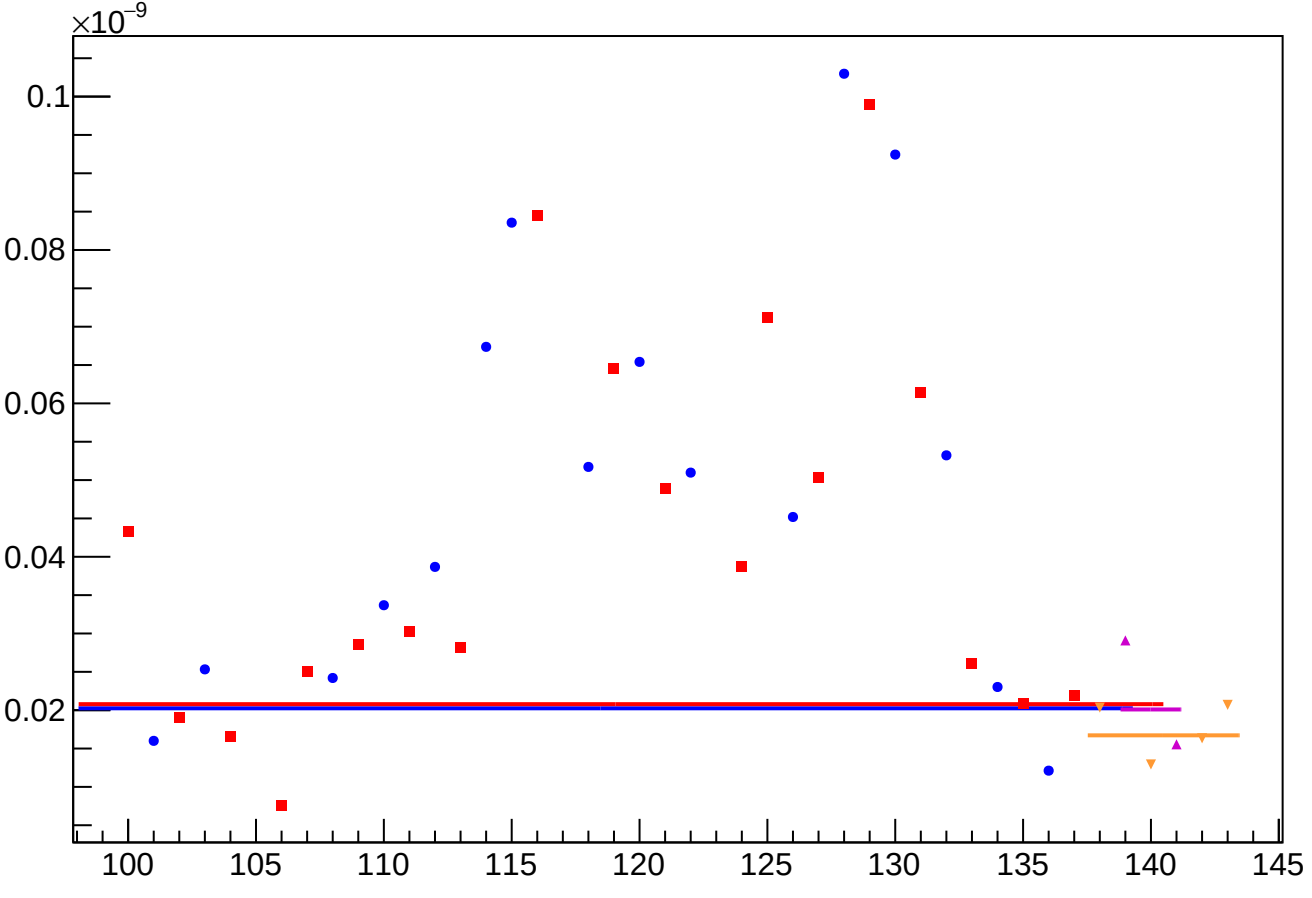
Left: 0.000+/-0.000 χ^2/NDF: 2.7/5

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:21.7/22

All: 0.000+/-0.000 χ^2/NDF: 42.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:104598.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:150817.2/1

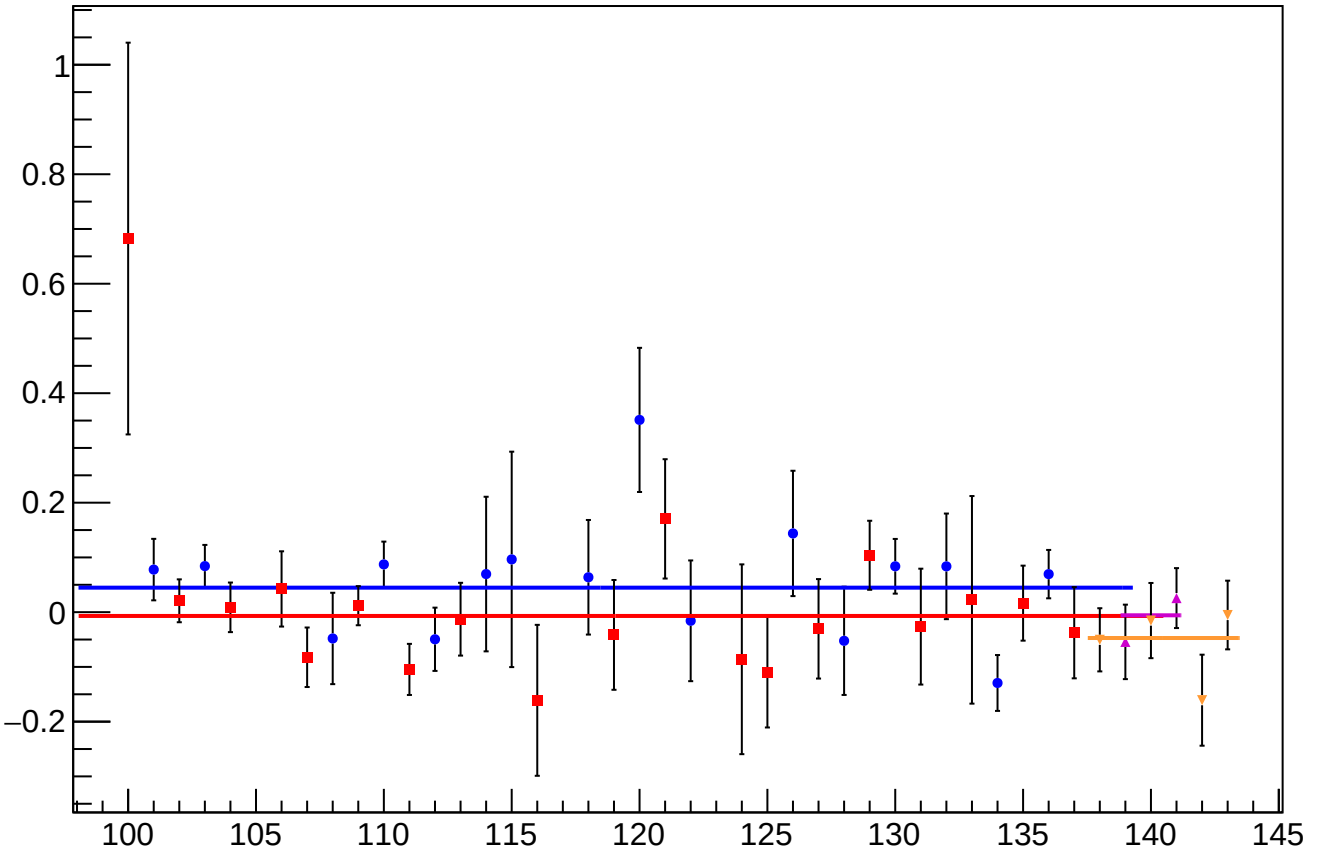
Left: 0.000+/-0.000 χ^2/NDF: 284731.0/5

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:2037999.1/22

All: 0.000+/-0.000 χ^2/NDF: 4207058.0/40



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

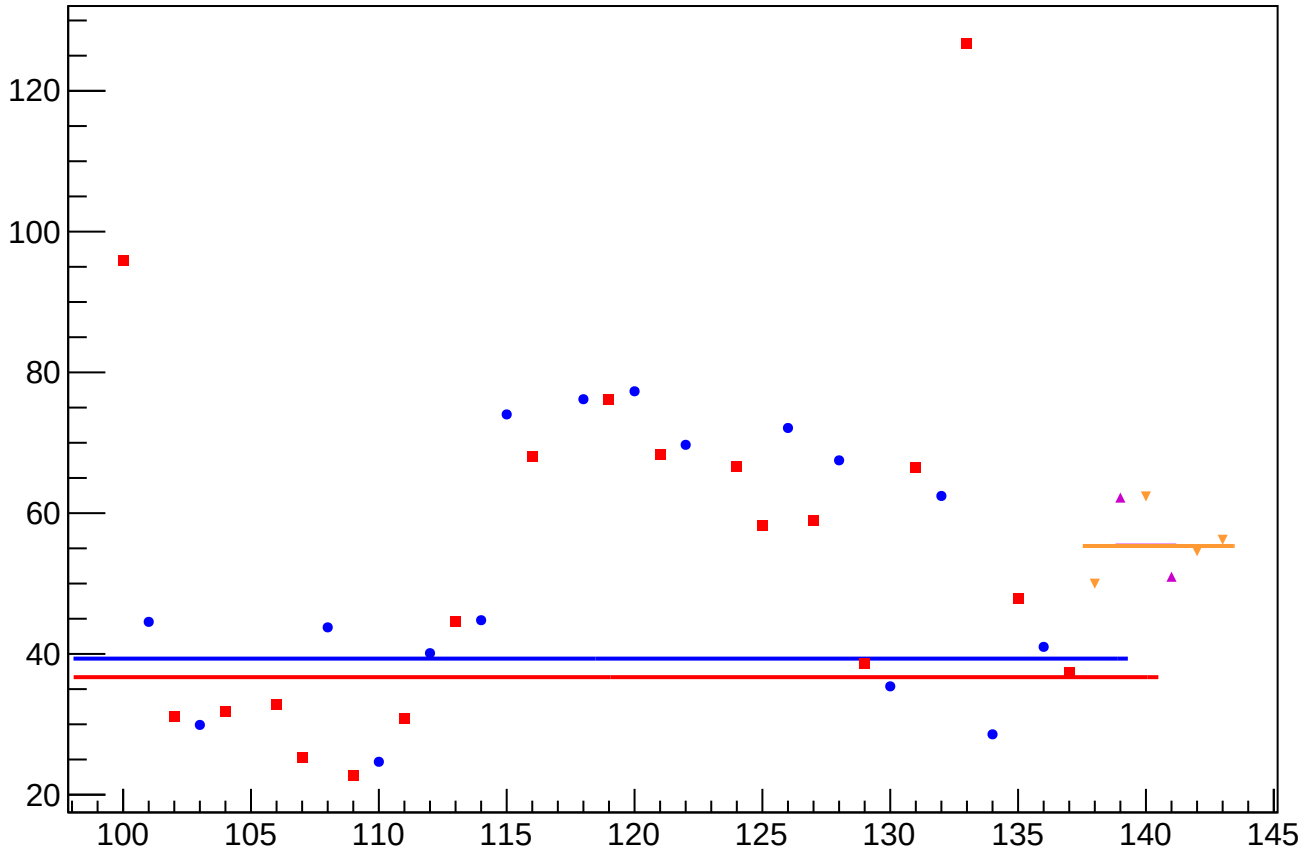
Left: -0.032+/-0.026 χ^2/NDF: 4.0/5

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.010+/-0.010 χ^2/NDF: 59.2/40



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.333+/-0.023 χ^2/NDF:38807.1/3

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.388+/-0.030 χ^2/NDF:33165.1/1

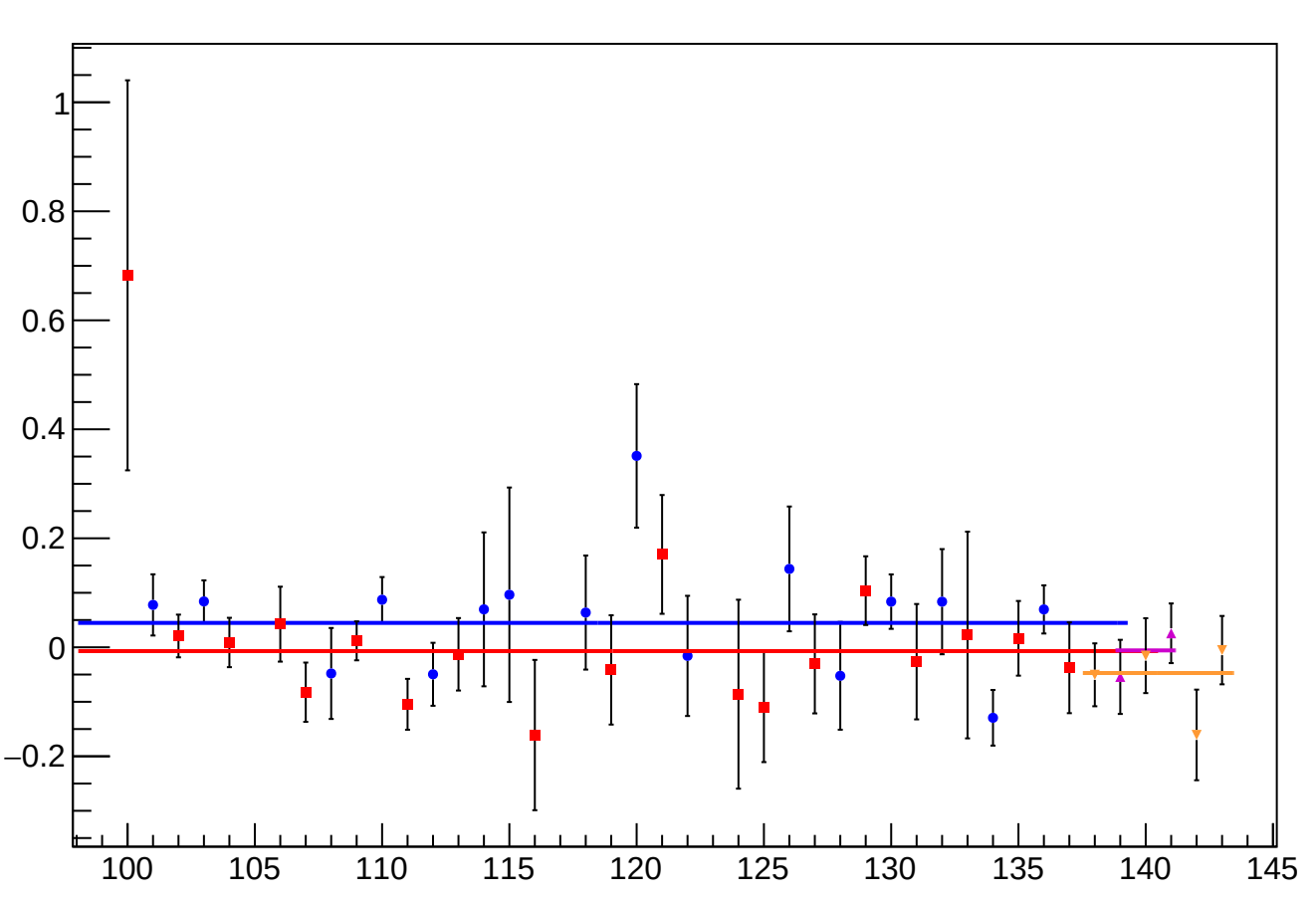
Left: 55.354+/-0.019 χ^2/NDF: 71974.3/5

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 41.320+/-0.011 χ^2/NDF:1848019.2/17

Out: 39.909+/-0.010 χ^2/NDF:2659270.1/22

All: 40.553+/-0.007 χ^2/NDF: 4516913.4/40



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

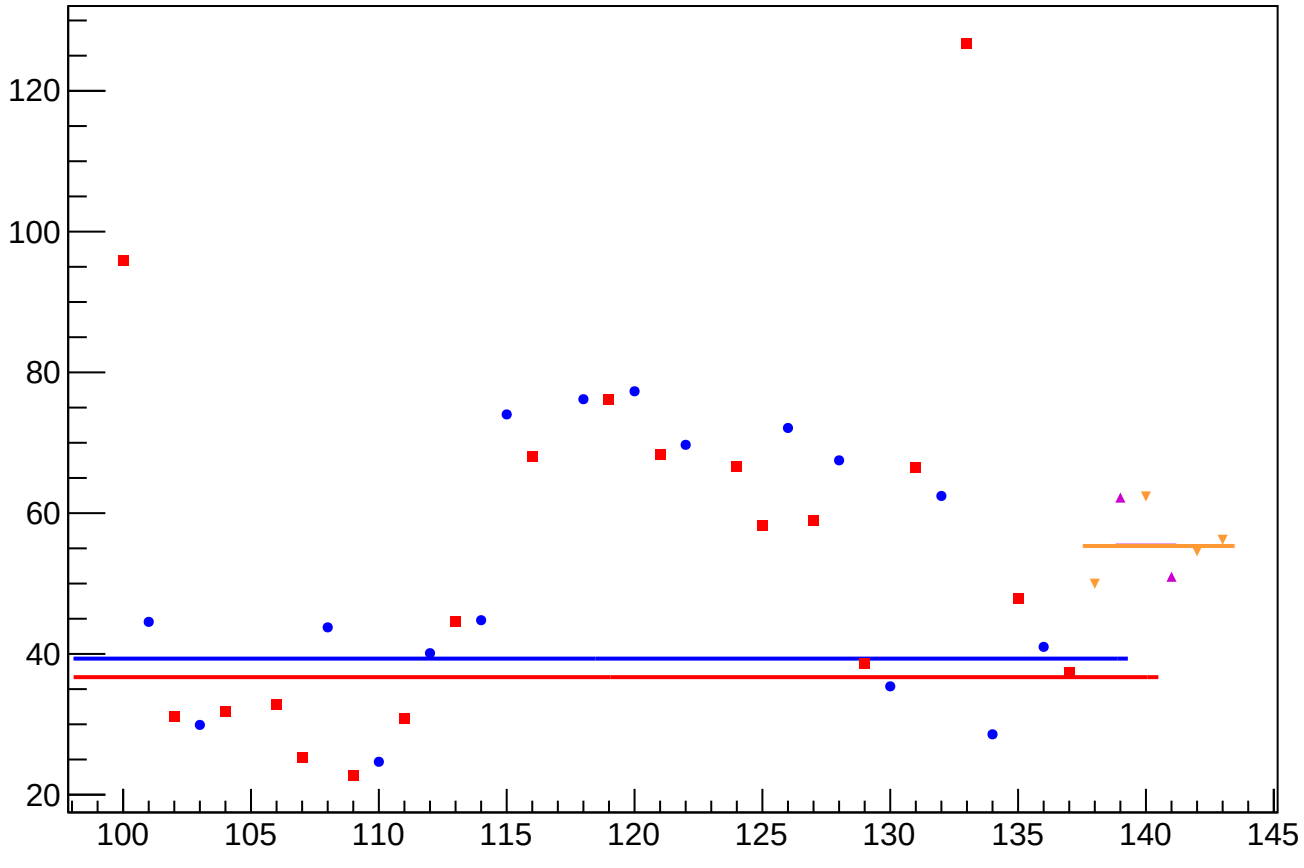
Left: -0.032+/-0.026 χ^2/NDF: 4.0/5

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.010+/-0.010 χ^2/NDF: 59.2/40



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 55.333+/-0.023 χ^2/NDF:38807.1/3

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.388+/-0.030 χ^2/NDF:33165.1/1

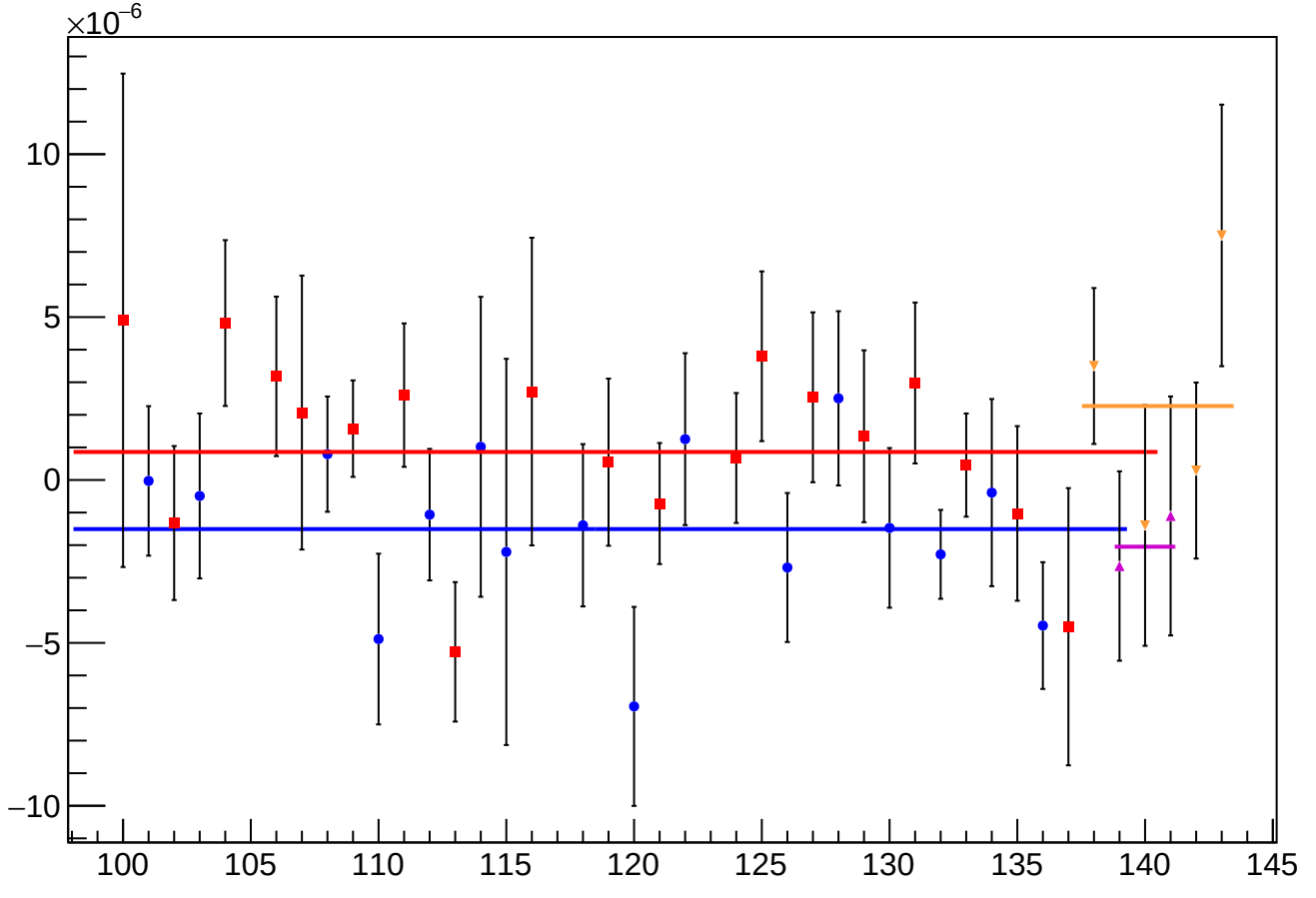
Left: 55.354+/-0.019 χ^2/NDF: 71974.3/5

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 41.320+/-0.011 χ^2/NDF:1848019.2/17

Out: 39.909+/-0.010 χ^2/NDF:2659270.1/22

All: 40.553+/-0.007 χ^2/NDF: 4516913.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

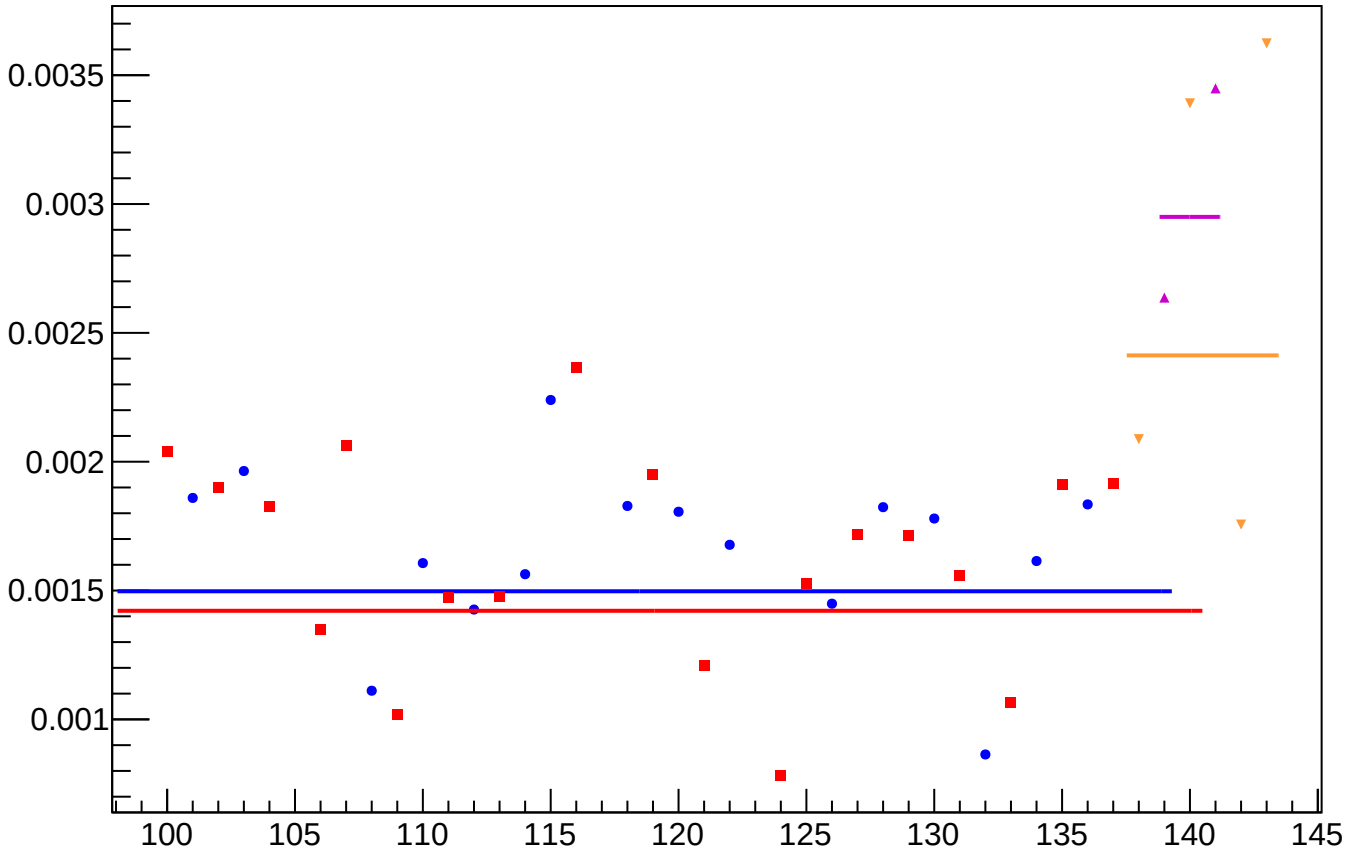
Left: 0.000+/-0.000 χ^2/NDF: 6.1/5

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:23.4/22

All: -0.000+/-0.000 χ^2/NDF: 48.8/40



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:477122.3/3

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: 615077.3/5

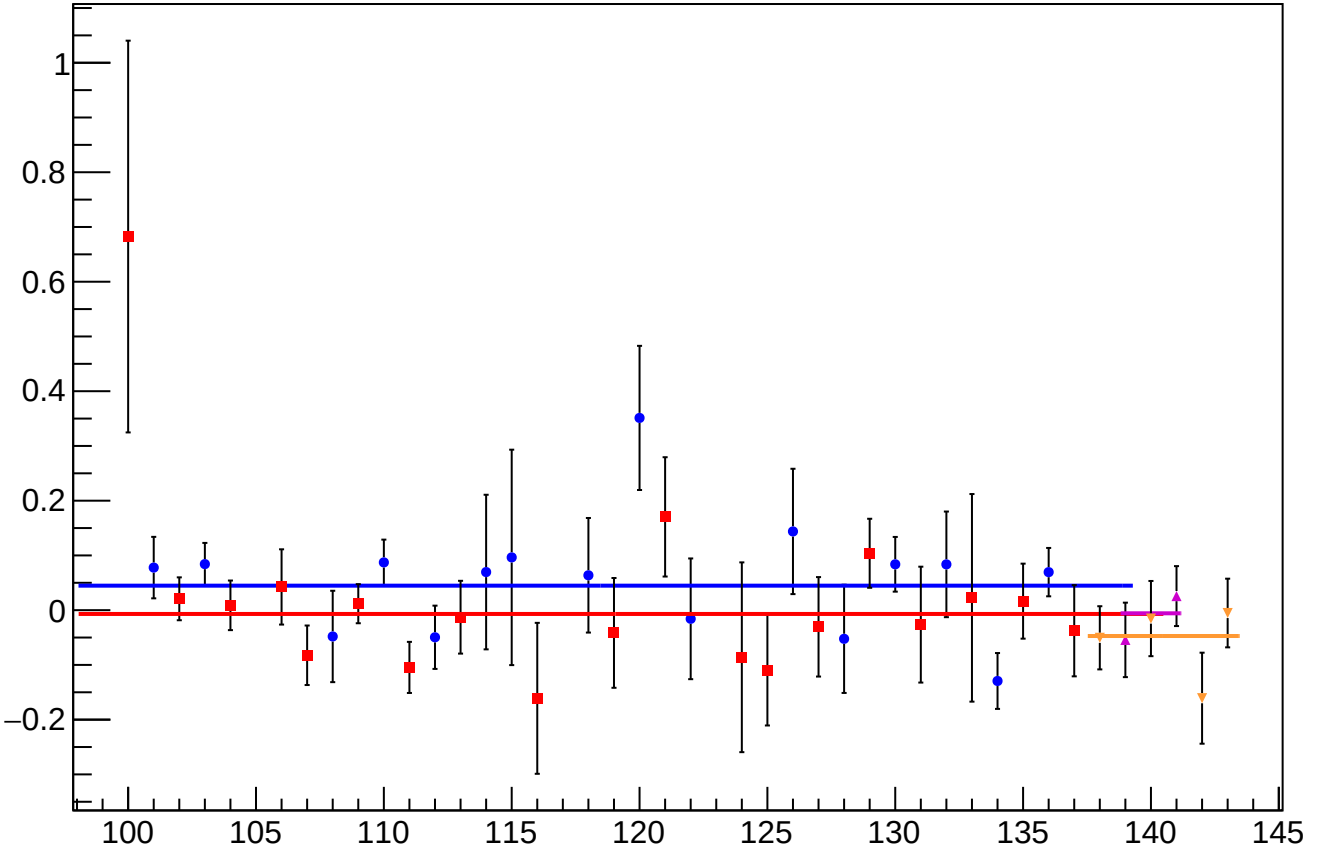
Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:1691174.6/17

Out: 0.002+/-0.000 χ^2/NDF:2250924.1/22

All: 0.002+/-0.000 χ^2/NDF: 3950373.2/40

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: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

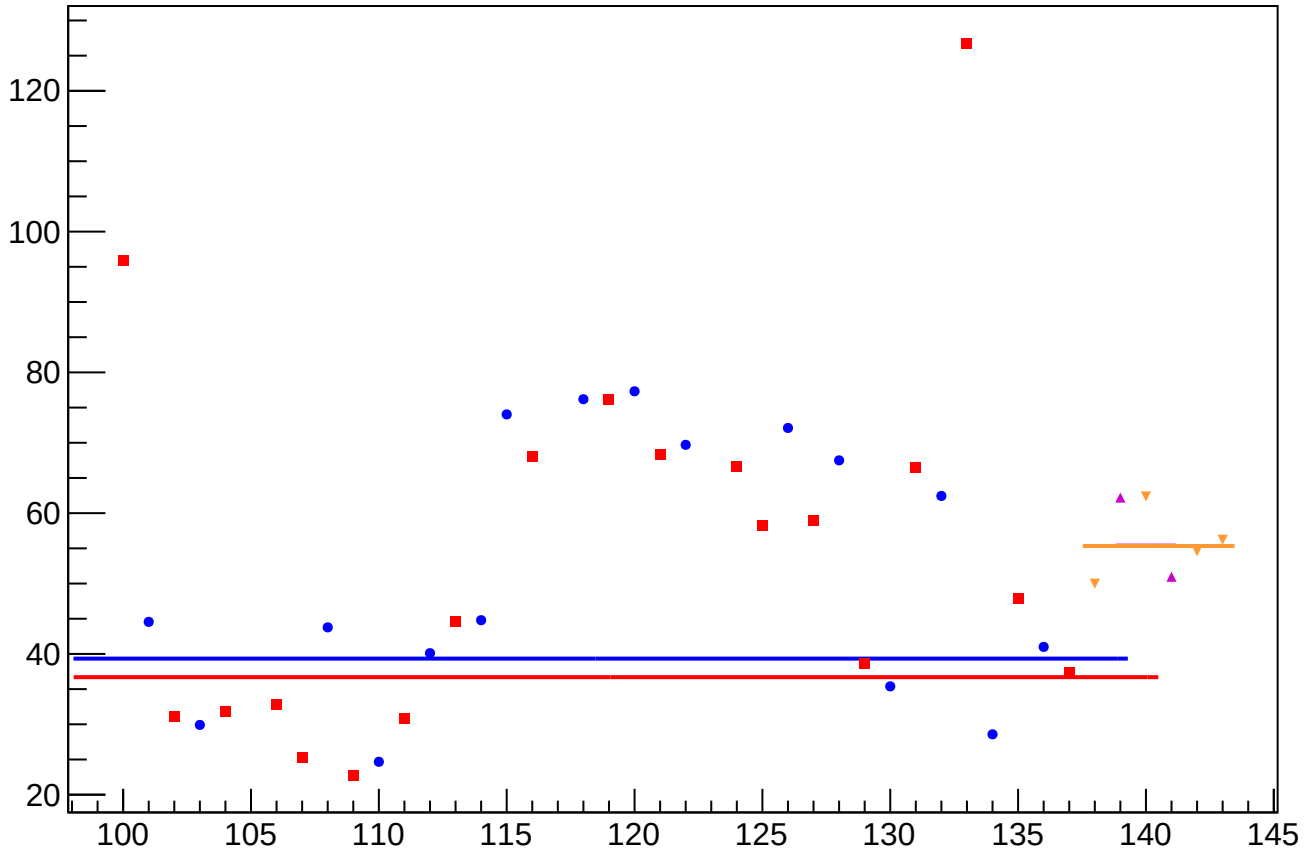
Left: -0.032+/-0.026 χ^2/NDF: 4.0/5

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.010+/-0.010 χ^2/NDF: 59.2/40



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 55.332+/-0.023 χ^2/NDF:38801.3/3

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: 55.353+/-0.019 χ^2/NDF: 71974.5/5

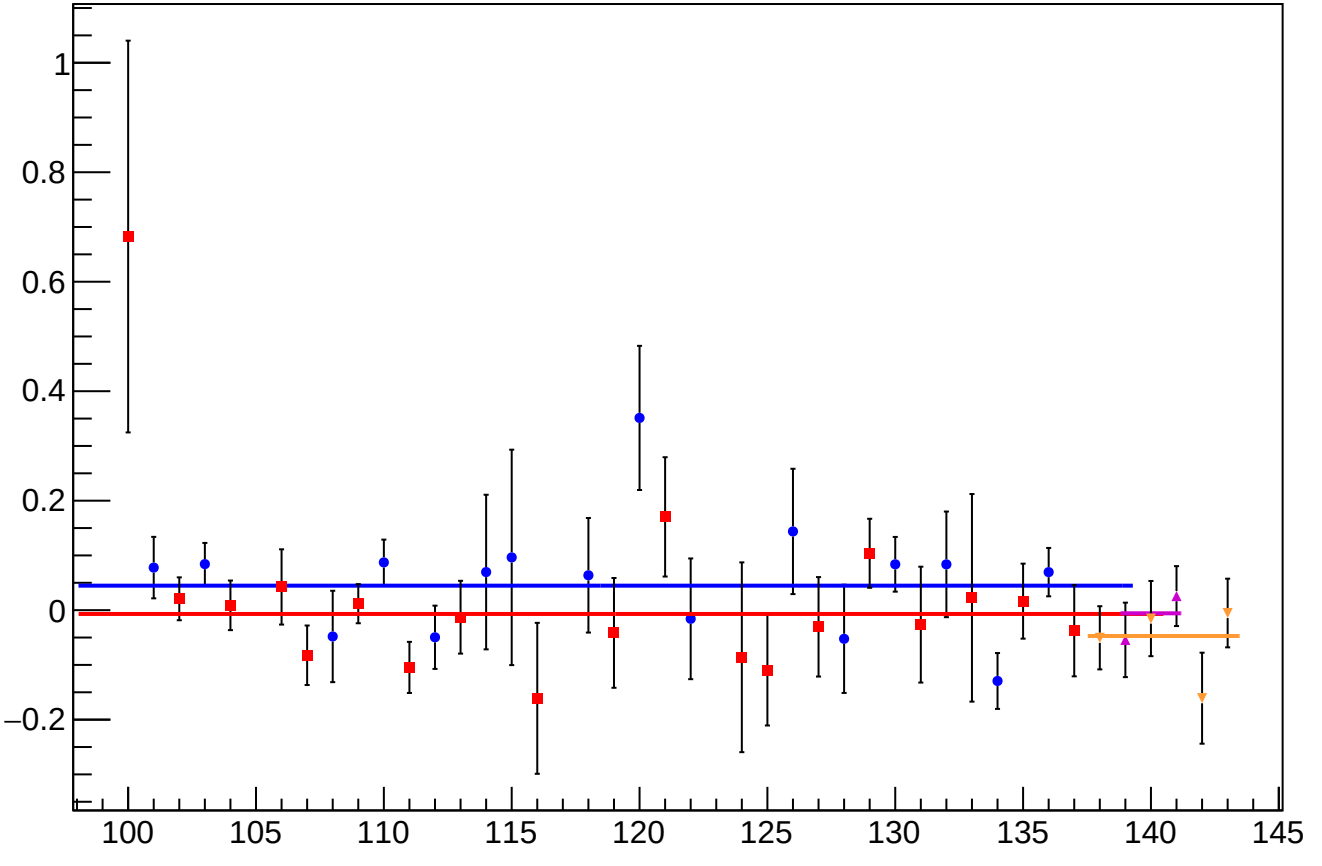
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 41.319+/-0.011 χ^2/NDF:1848044.9/17

Out: 39.908+/-0.010 χ^2/NDF:2659253.3/22

All: 40.552+/-0.007 χ^2/NDF: 4516918.8/40

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: -0.047+/-0.033 χ^2/NDF:2.5/3

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.043 χ^2/NDF:0.8/1

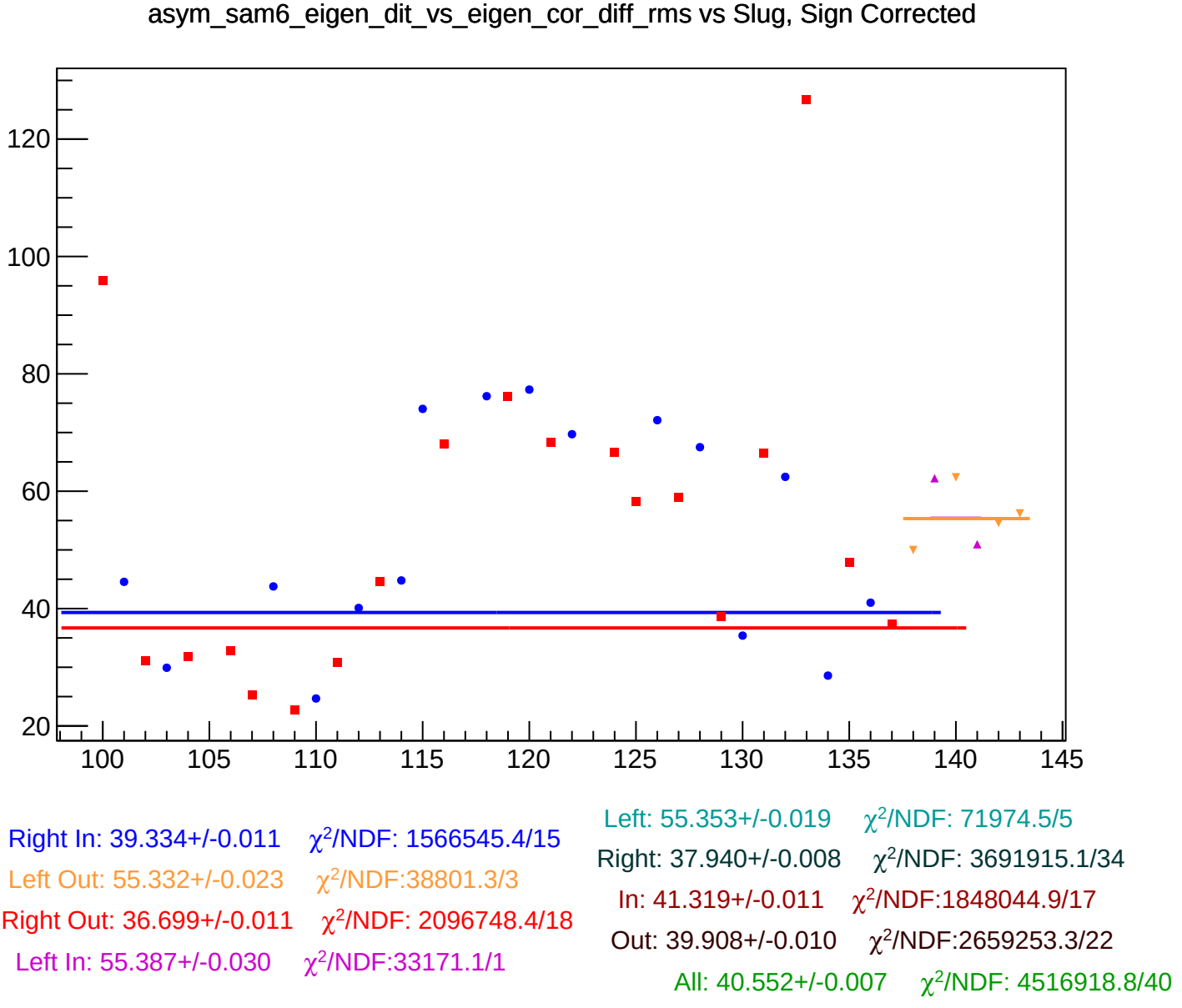
Left: -0.032+/-0.026 χ^2/NDF: 4.0/5

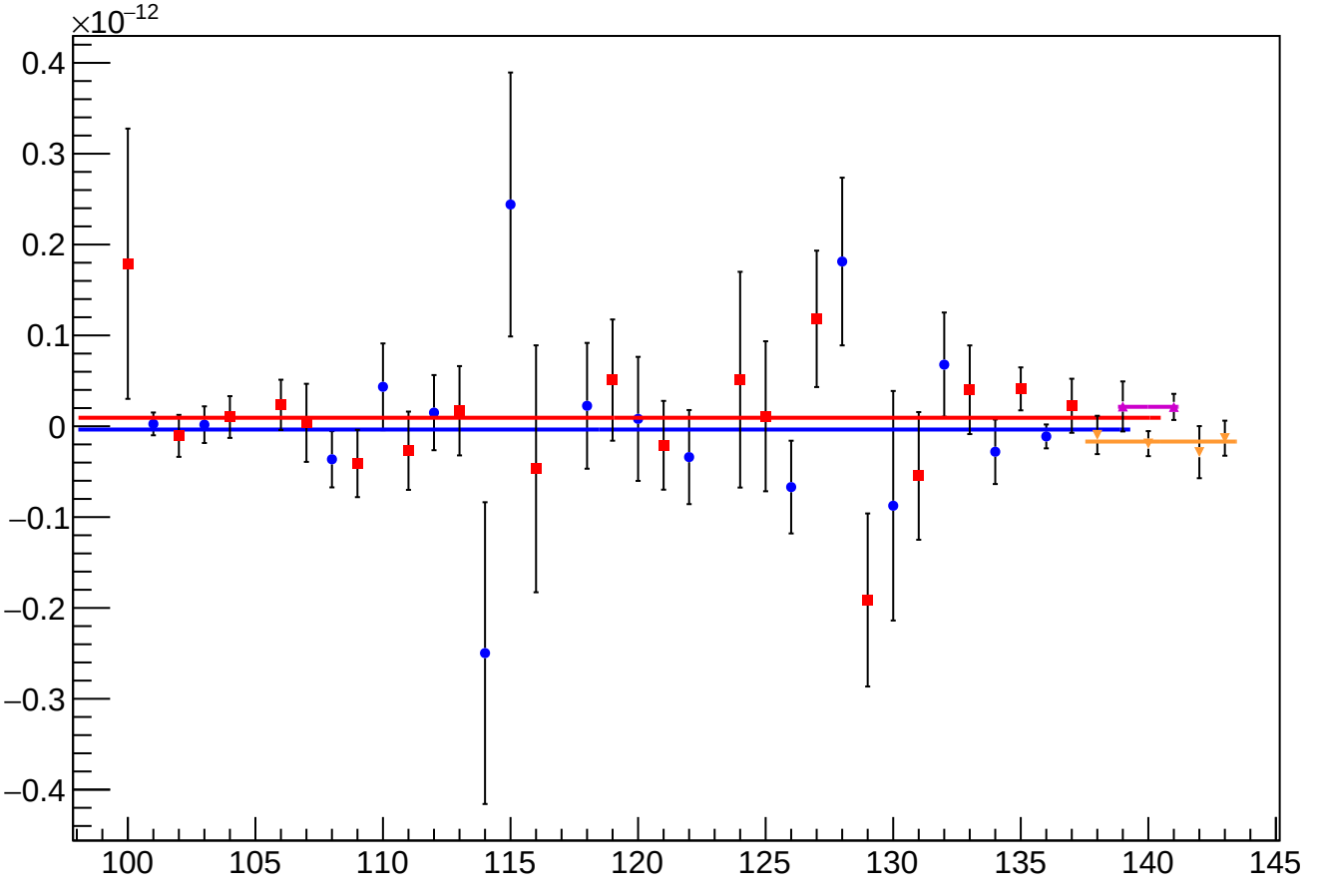
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.015 χ^2/NDF:28.7/17

Out: -0.014+/-0.014 χ^2/NDF:23.9/22

All: 0.010+/-0.010 χ^2/NDF: 59.2/40


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
100
80
60
40
20
100
105
110
115
120
125
130
135
140
145
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 55.332+/-0.023 χ²/NDF:38801.3/3
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 55.387+/-0.030 χ²/NDF:33171.1/1
Left: 55.353+/-0.019 χ²/NDF: 71974.5/5
Right: 37.940+/-0.008 χ²/NDF: 3691915.1/34
In: 41.319+/-0.011 χ²/NDF:1848044.9/17
Out: 39.908+/-0.010 χ²/NDF:2659253.3/22
All: 40.552+/-0.007 χ²/NDF: 4516918.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

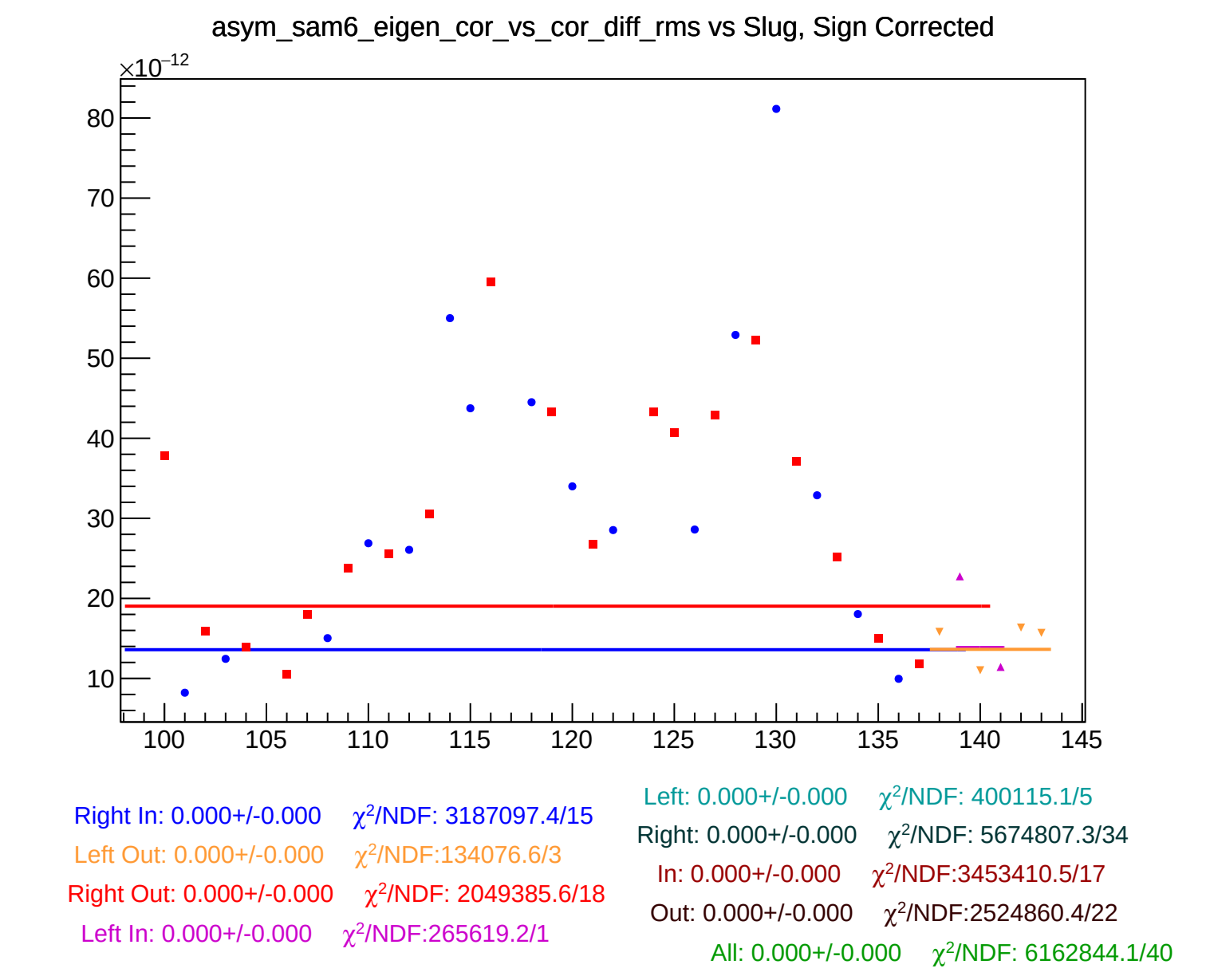
Left: -0.000+/-0.000 χ^2/NDF: 6.2/5

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

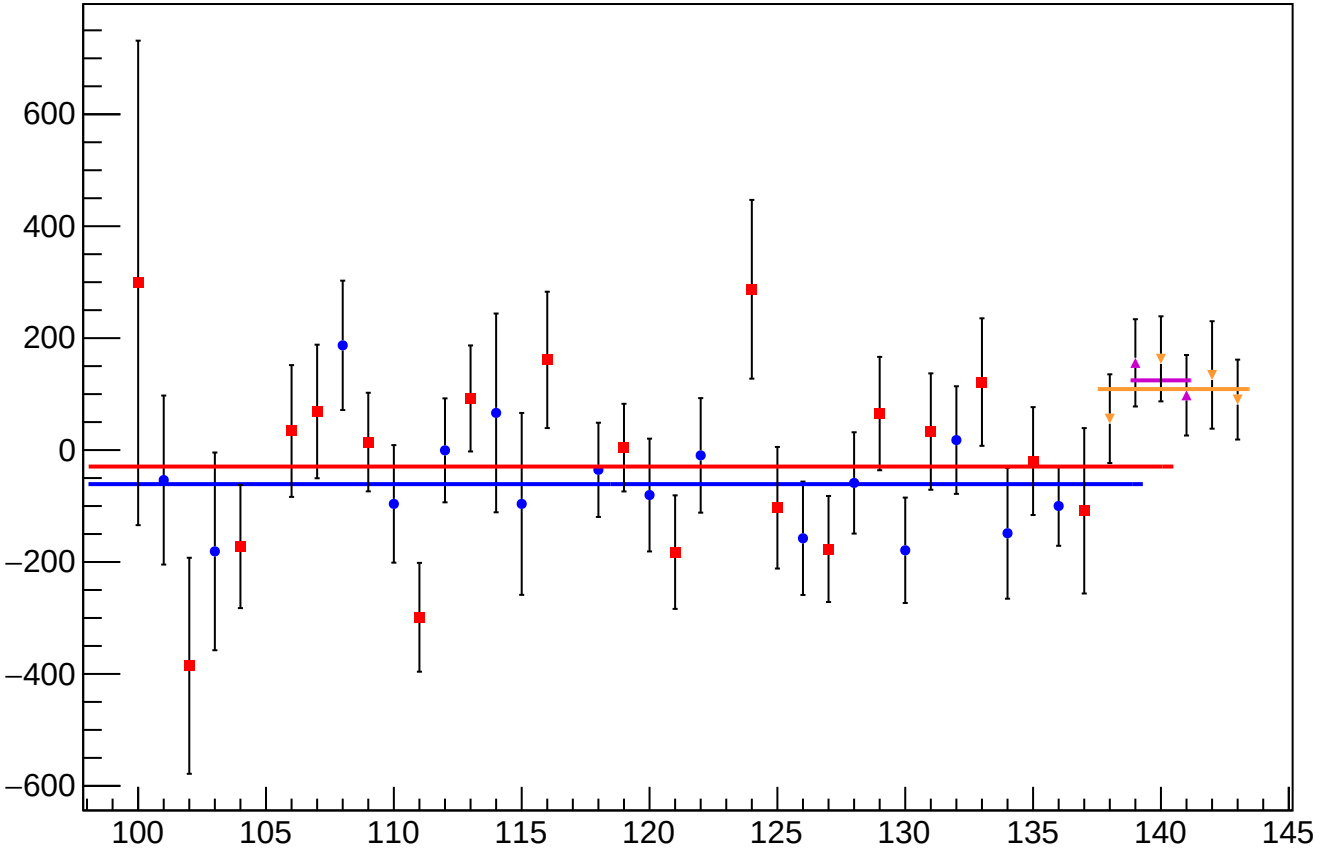
In: 0.000+/-0.000 χ^2/NDF:19.5/17

Out: -0.000+/-0.000 χ^2/NDF:20.1/22

All: -0.000+/-0.000 χ^2/NDF: 40.0/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:134076.6/3
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: 400115.1/5
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:2524860.4/22
All: 0.000+/-0.000 χ²/NDF: 6162844.1/40

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.982+/-39.625 χ^2/NDF:1.1/3

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: 114.590+/-31.707 χ^2/NDF: 1.4/5

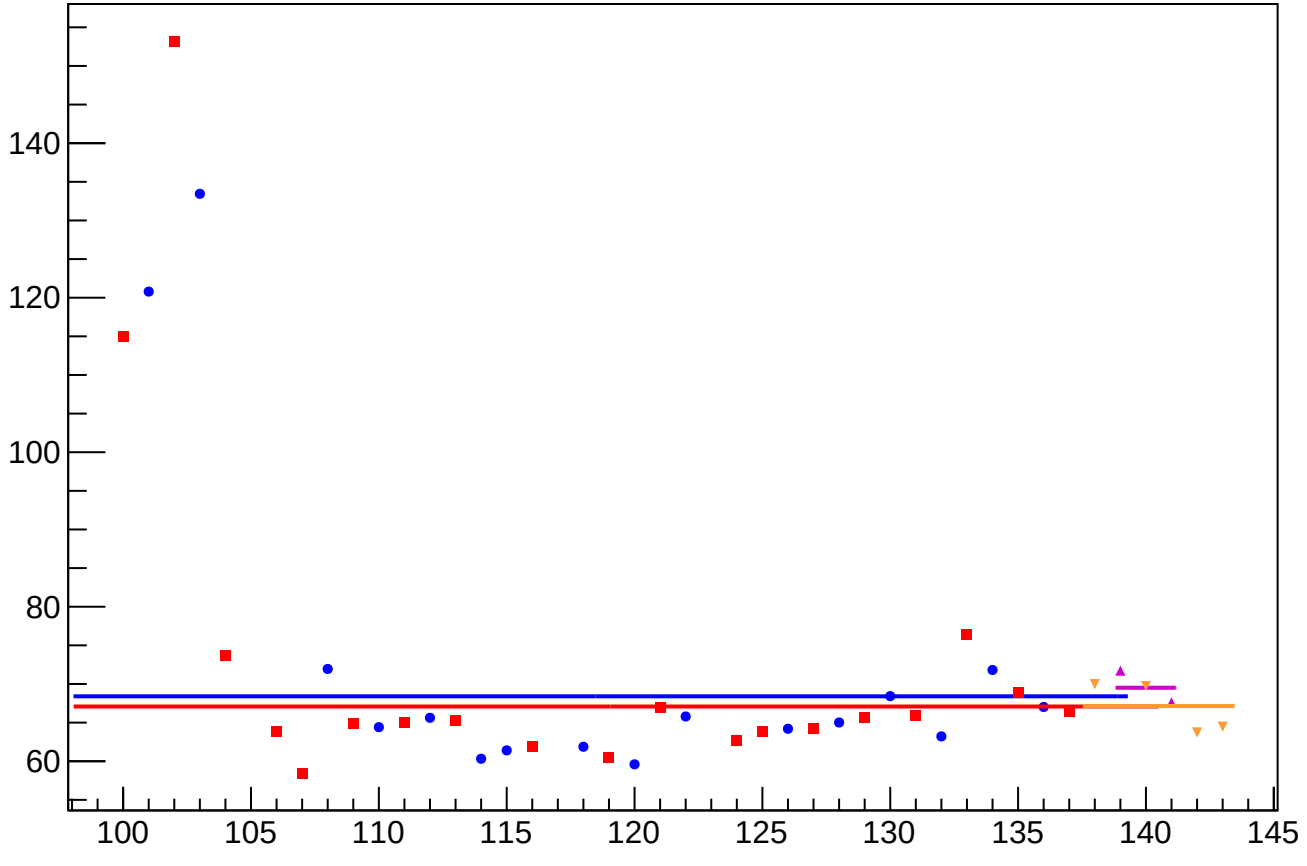
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: -24.615+/-23.370 χ^2/NDF:20.8/17

Out: 10.201+/-21.207 χ^2/NDF:41.0/22

All: -5.522+/-15.705 χ^2/NDF: 63.0/40

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

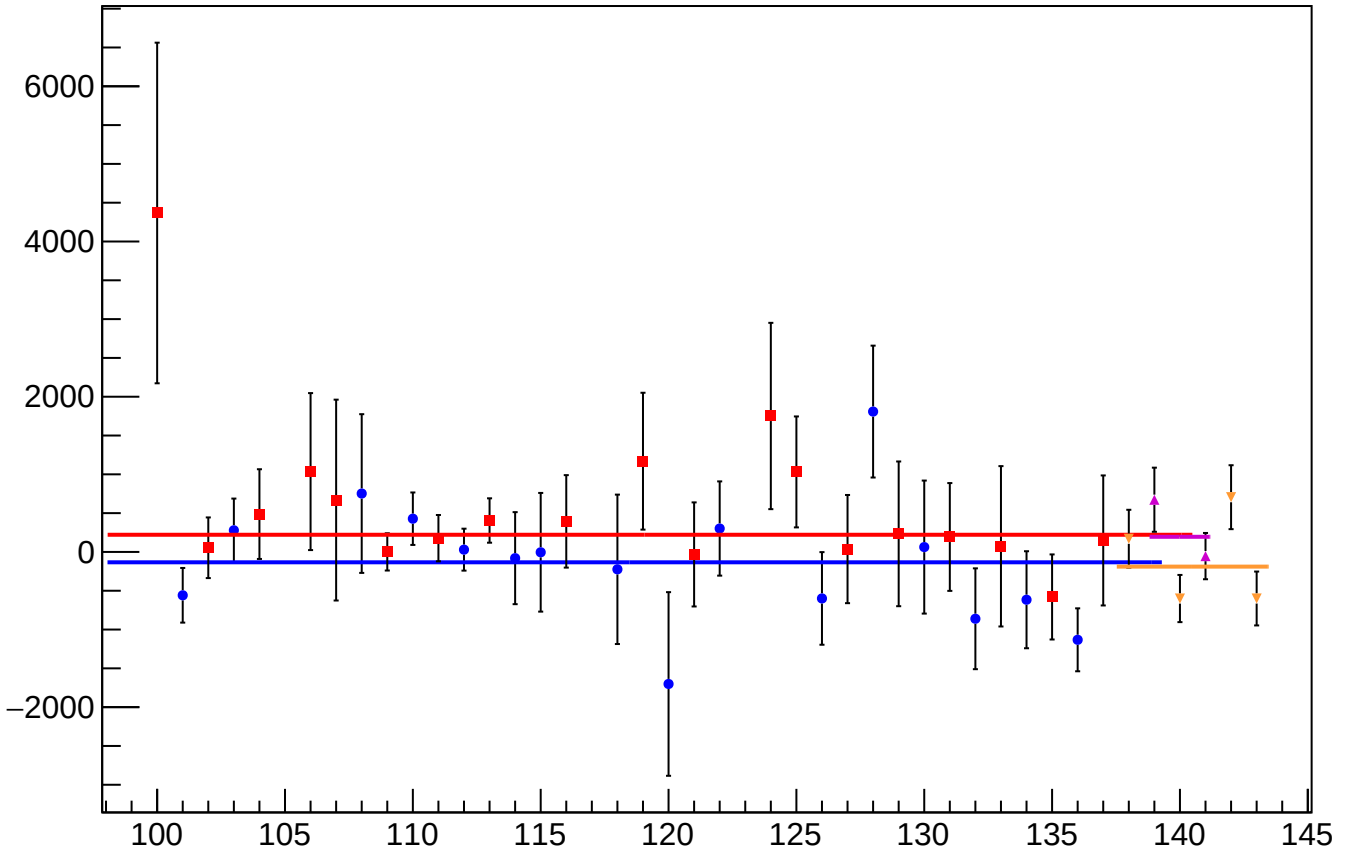
Left: 68.000+/-0.022 χ^2/NDF: 15750.6/5

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 68.620+/-0.017 χ^2/NDF:573245.1/17

Out: 67.104+/-0.015 χ^2/NDF:492033.4/22

All: 67.789+/-0.011 χ^2/NDF: 1069893.2/40



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.155+/-176.221 χ^2/NDF:8.9/3

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: -55.835+/-142.409 χ^2/NDF: 12.6/5

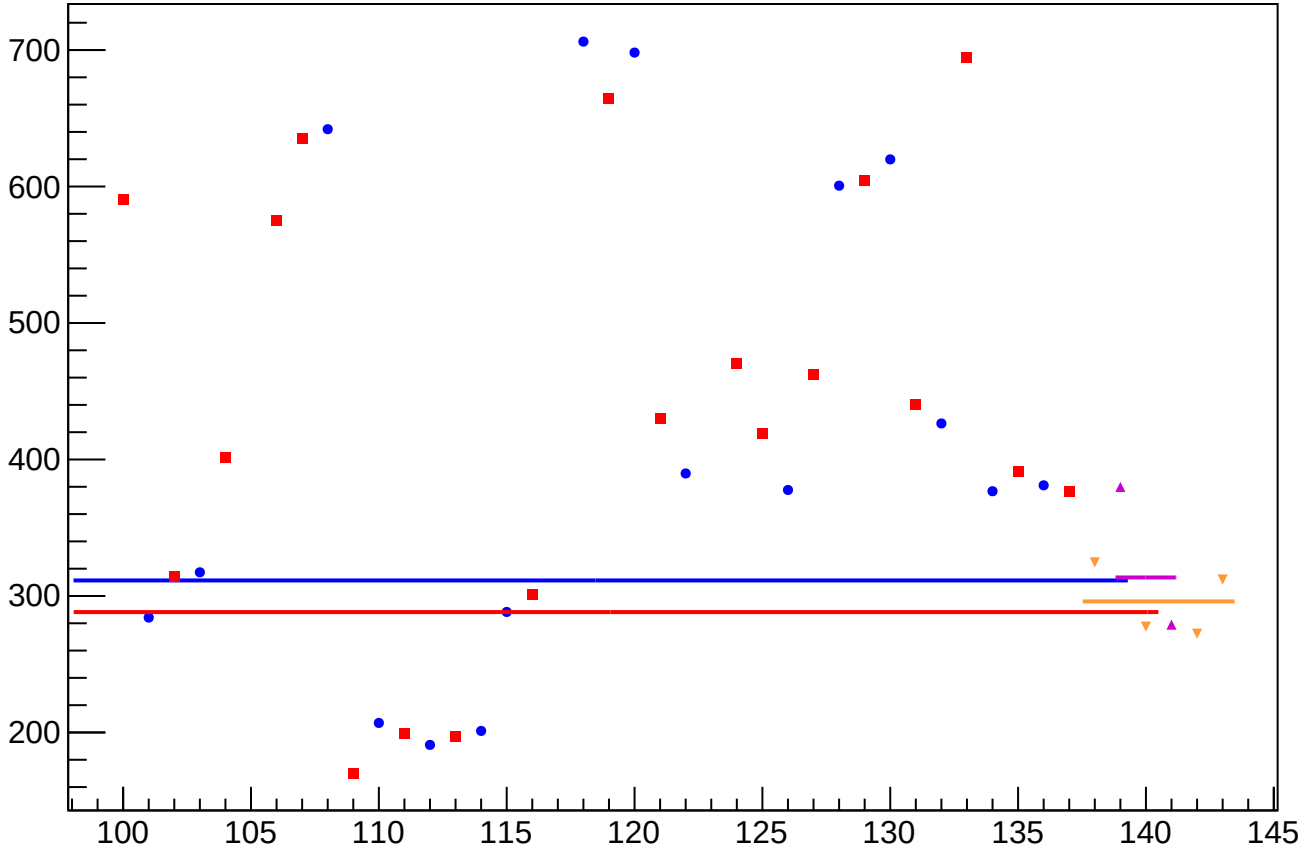
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -63.466+/-111.670 χ^2/NDF:26.0/17

Out: 94.573+/-97.923 χ^2/NDF:25.2/22

All: 25.874+/-73.625 χ^2/NDF: 52.3/40

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 296.012+/-0.125 χ^2/NDF:30010.6/3

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 313.565+/-0.171 χ^2/NDF:78465.5/1

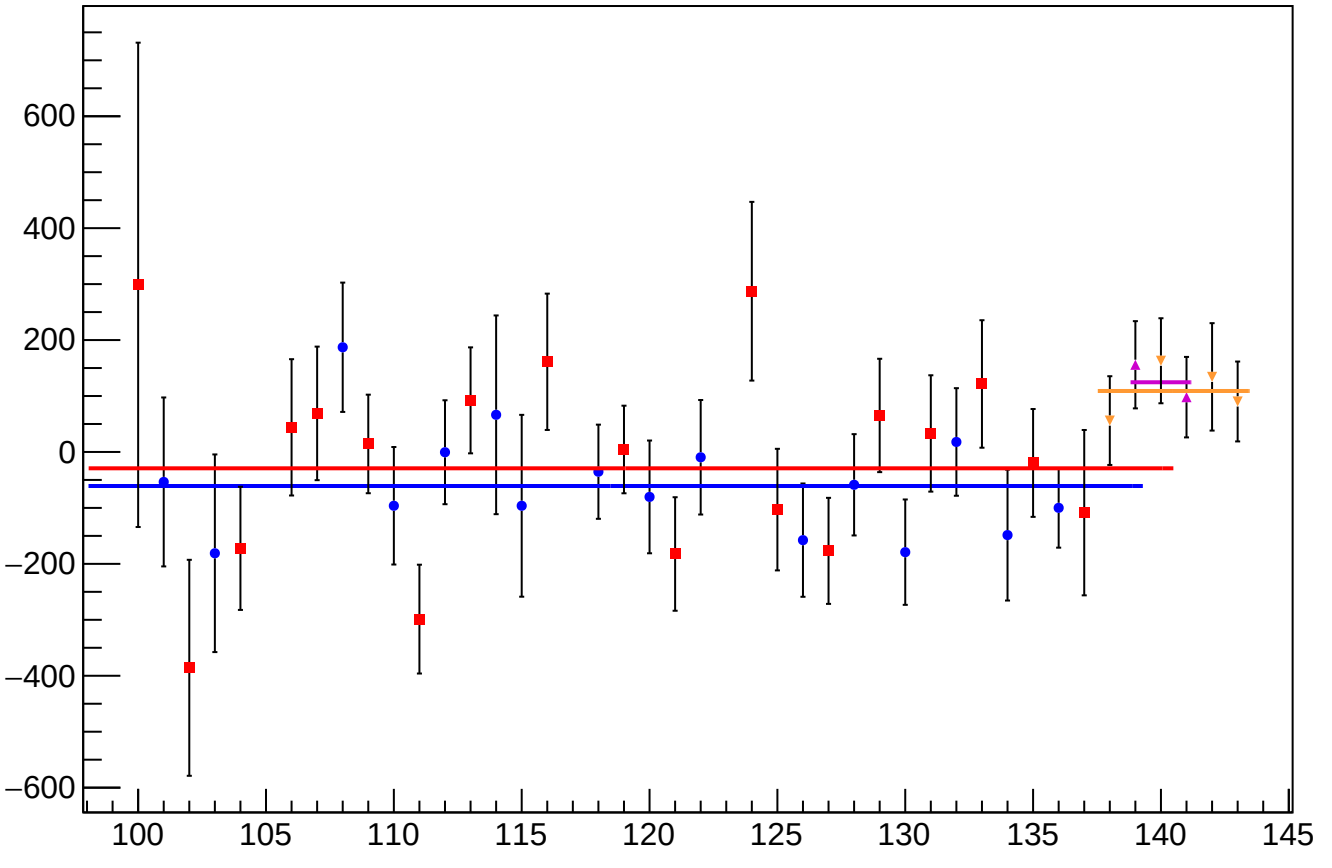
Left: 302.101+/-0.101 χ^2/NDF: 115360.7/5

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 311.851+/-0.079 χ^2/NDF:2202390.9/17

Out: 290.615+/-0.069 χ^2/NDF:2748104.3/22

All: 299.846+/-0.052 χ^2/NDF: 4991380.5/40



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.981+/-39.625 χ^2/NDF:1.1/3

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: 114.589+/-31.707 χ^2/NDF: 1.4/5

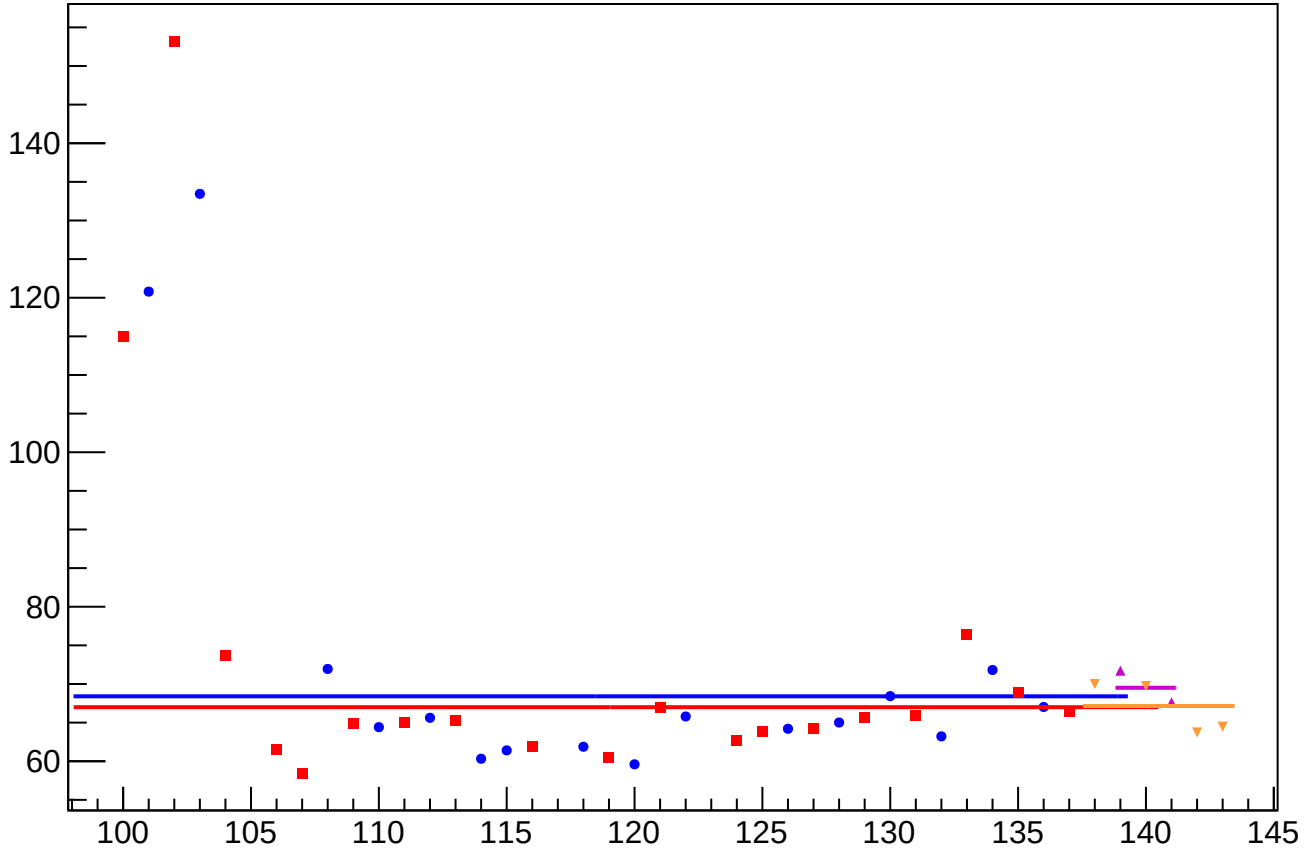
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -24.617+/-23.370 χ^2/NDF:20.8/17

Out: 10.451+/-21.230 χ^2/NDF:41.0/22

All: -5.404+/-15.714 χ^2/NDF: 63.0/40

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 67.150+/-0.028 χ^2/NDF:10214.4/3

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 69.513+/-0.037 χ^2/NDF:2978.5/1

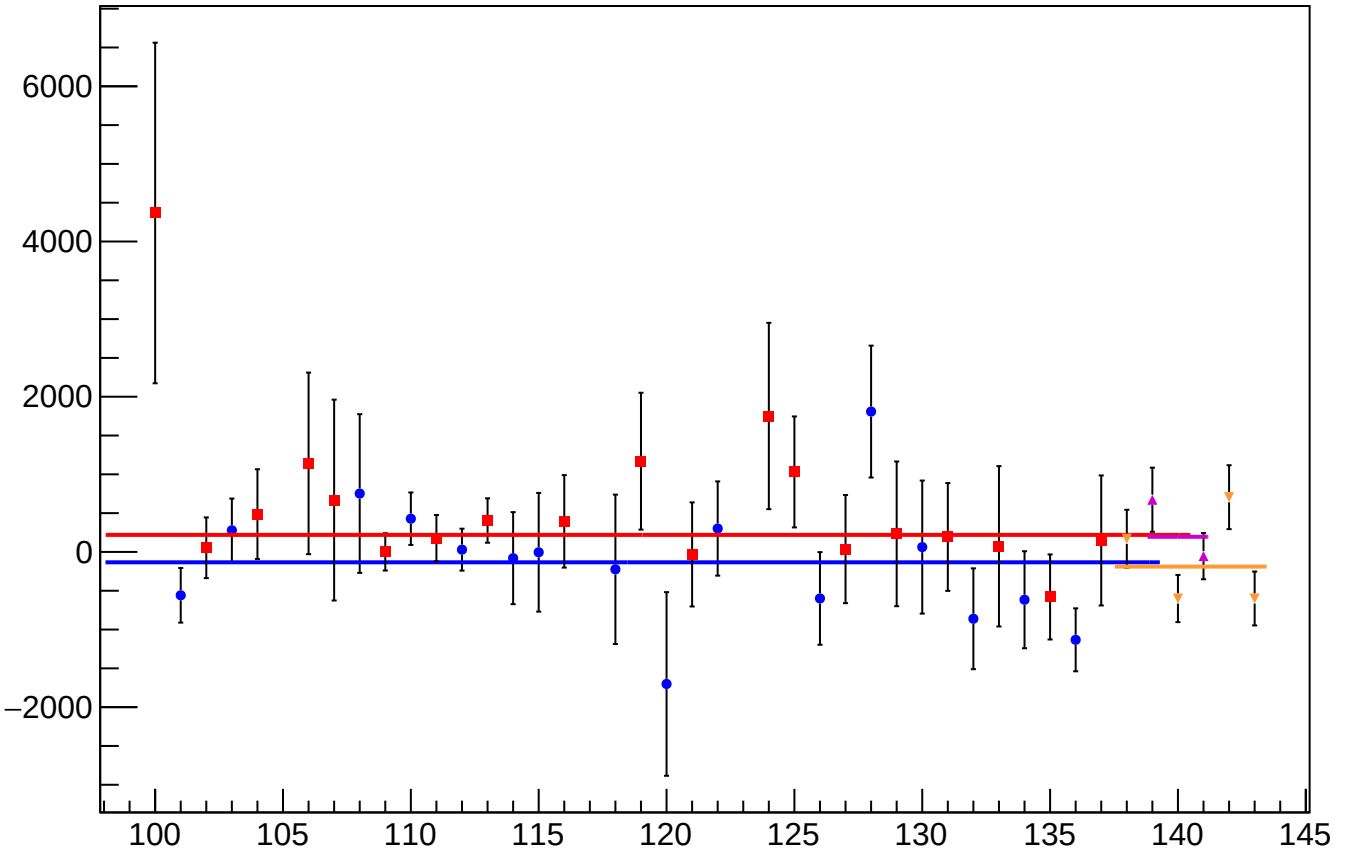
Left: 68.000+/-0.022 χ^2/NDF: 15750.6/5

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 68.620+/-0.017 χ^2/NDF:573245.5/17

Out: 67.039+/-0.015 χ^2/NDF:494724.2/22

All: 67.754+/-0.011 χ^2/NDF: 1072983.3/40



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.151+/-176.221 χ^2/NDF:8.9/3

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 195.122+/-241.777 χ^2/NDF:2.0/1

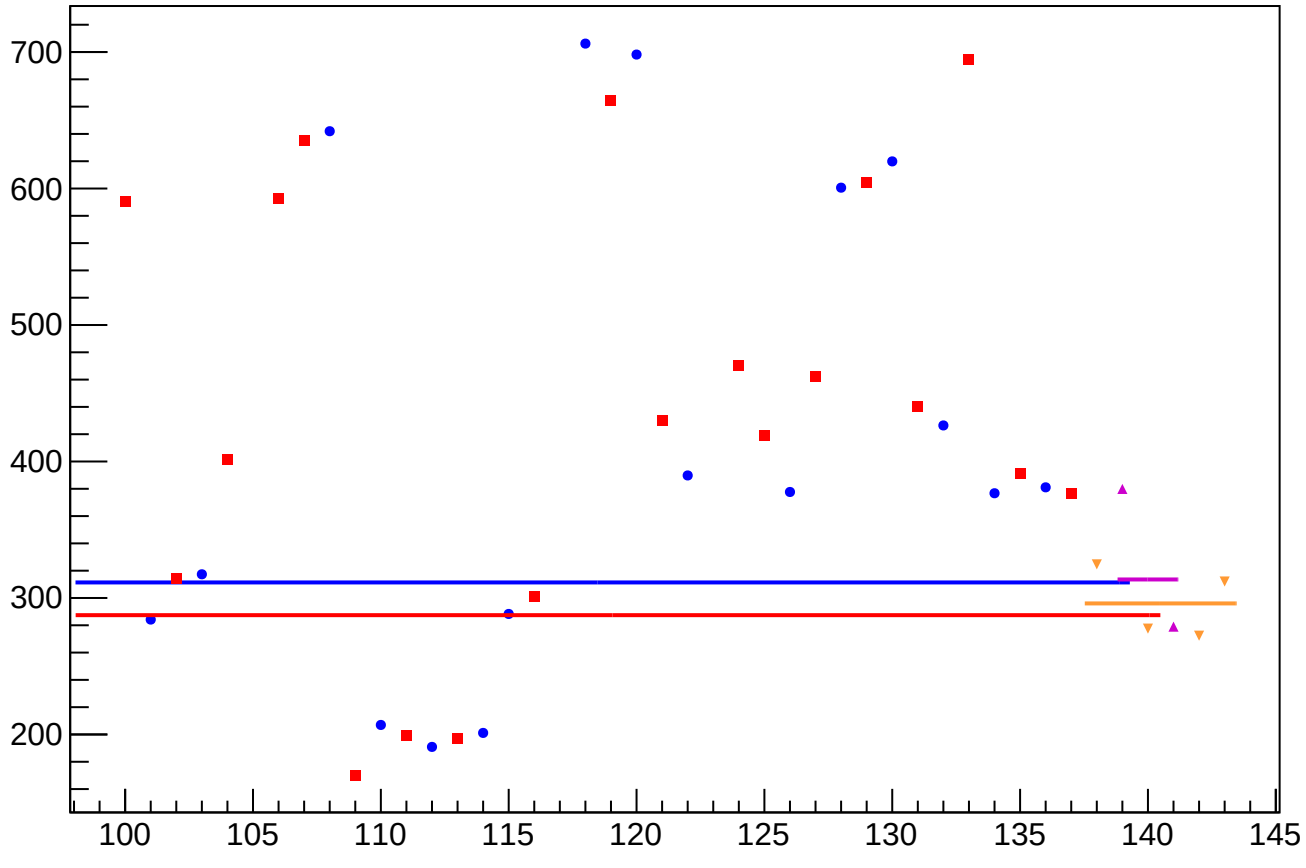
Left: -55.835+/-142.409 χ^2/NDF: 12.6/5

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -63.464+/-111.670 χ^2/NDF:26.0/17

Out: 93.087+/-98.042 χ^2/NDF:25.1/22

All: 24.942+/-73.676 χ^2/NDF: 52.2/40



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.011+/-0.125 χ^2/NDF:30009.9/3

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 313.566+/-0.171 χ^2/NDF:78464.3/1

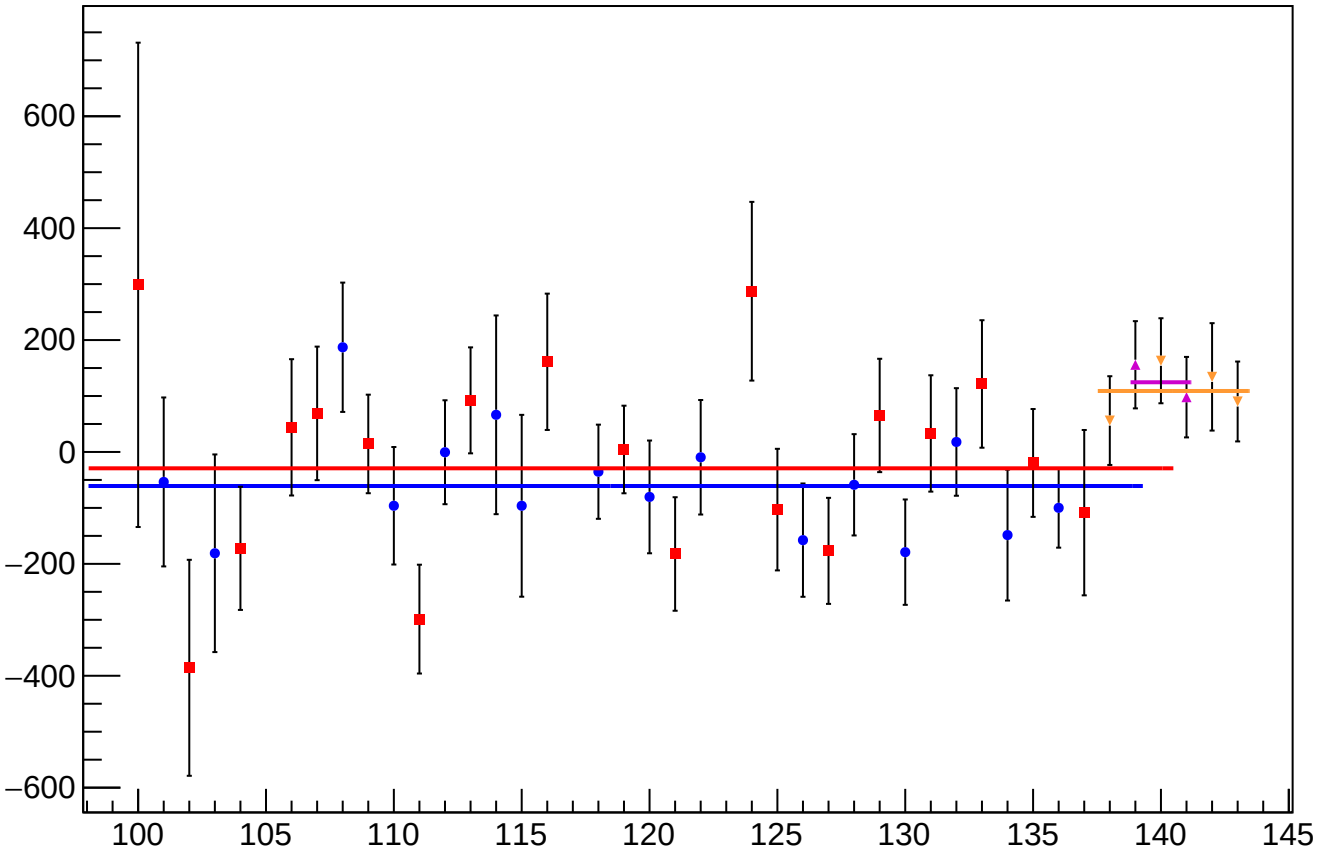
Left: 302.101+/-0.101 χ^2/NDF: 115359.9/5

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.853+/-0.079 χ^2/NDF:2202391.0/17

Out: 290.074+/-0.069 χ^2/NDF:2723555.3/22

All: 299.554+/-0.052 χ^2/NDF: 4968902.3/40



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.981+/-39.625 χ^2/NDF:1.1/3

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 124.573+/-52.868 χ^2/NDF:0.3/1

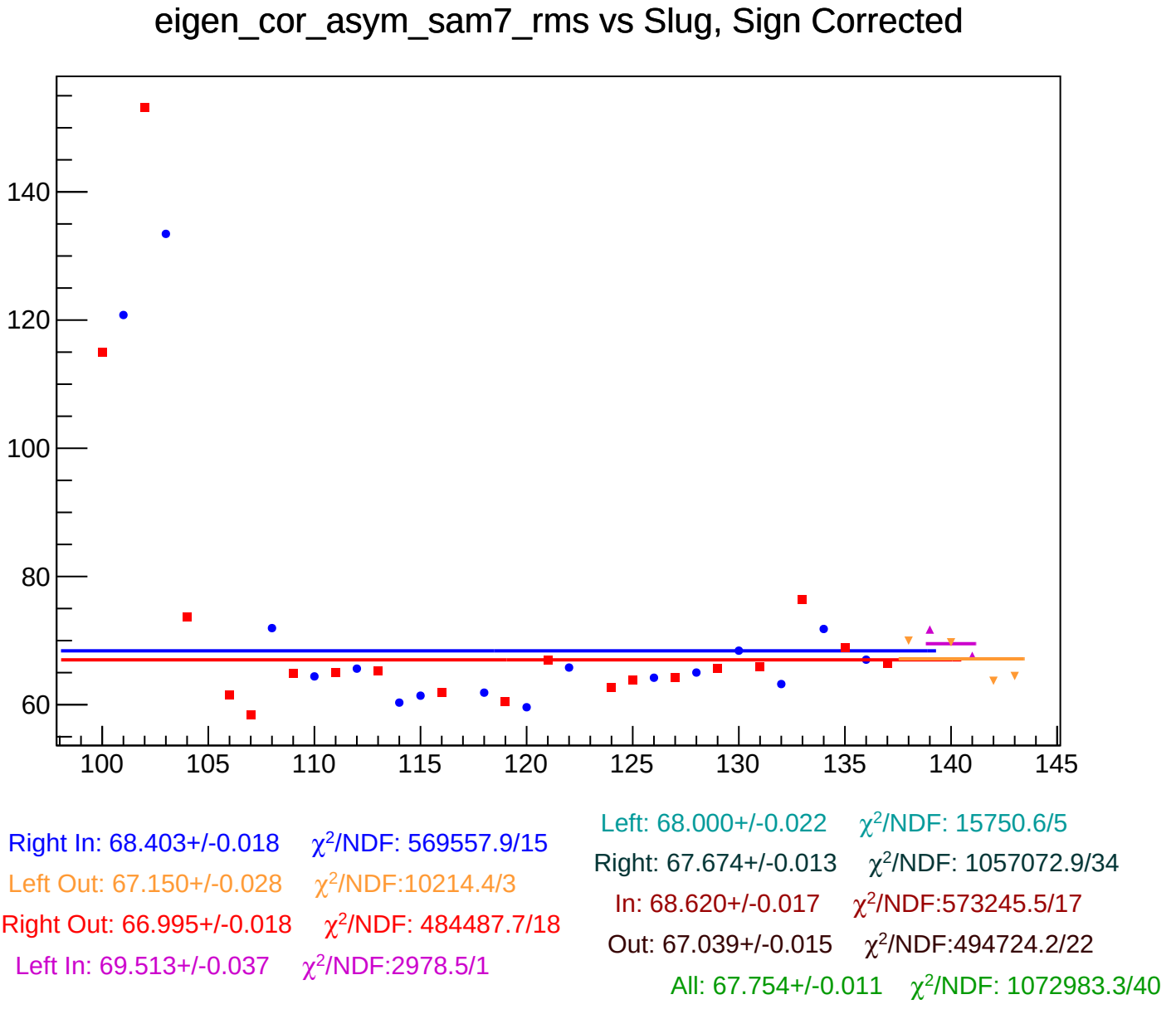
Left: 114.589+/-31.707 χ^2/NDF: 1.4/5

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: -24.617+/-23.370 χ^2/NDF:20.8/17

Out: 10.451+/-21.230 χ^2/NDF:41.0/22

All: -5.404+/-15.714 χ^2/NDF: 63.0/40


eigen_cor_asym_sam7_rms vs Slug, Sign Corrected
140
120
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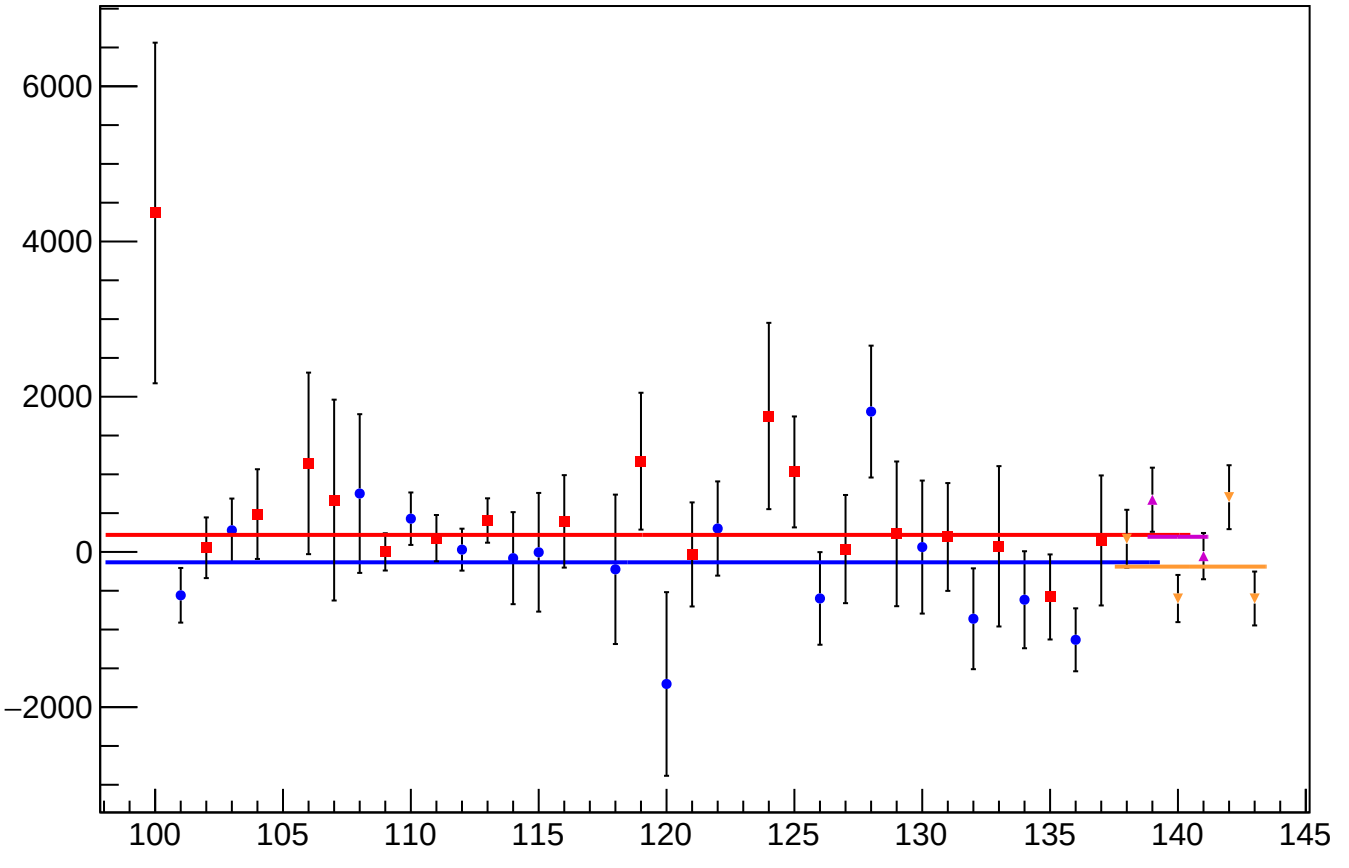
145
Right In: 68.403+/-0.018 χ²/NDF: 569557.9/15
Left Out: 67.150+/-0.028 χ²/NDF:10214.4/3
Right Out: 66.995+/-0.018 χ²/NDF: 484487.7/18
Left In: 69.513+/-0.037 χ²/NDF:2978.5/1
Left: 68.000+/-0.022 χ²/NDF: 15750.6/5
Right: 67.674+/-0.013 χ²/NDF: 1057072.9/34
In: 68.620+/-0.017 χ²/NDF:573245.5/17
Out: 67.039+/-0.015 χ²/NDF:494724.2/22
All: 67.754+/-0.011 χ²/NDF: 1072983.3/40



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -189.151+/-176.221 χ^2/NDF:8.9/3

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 195.122+/-241.777 χ^2/NDF:2.0/1

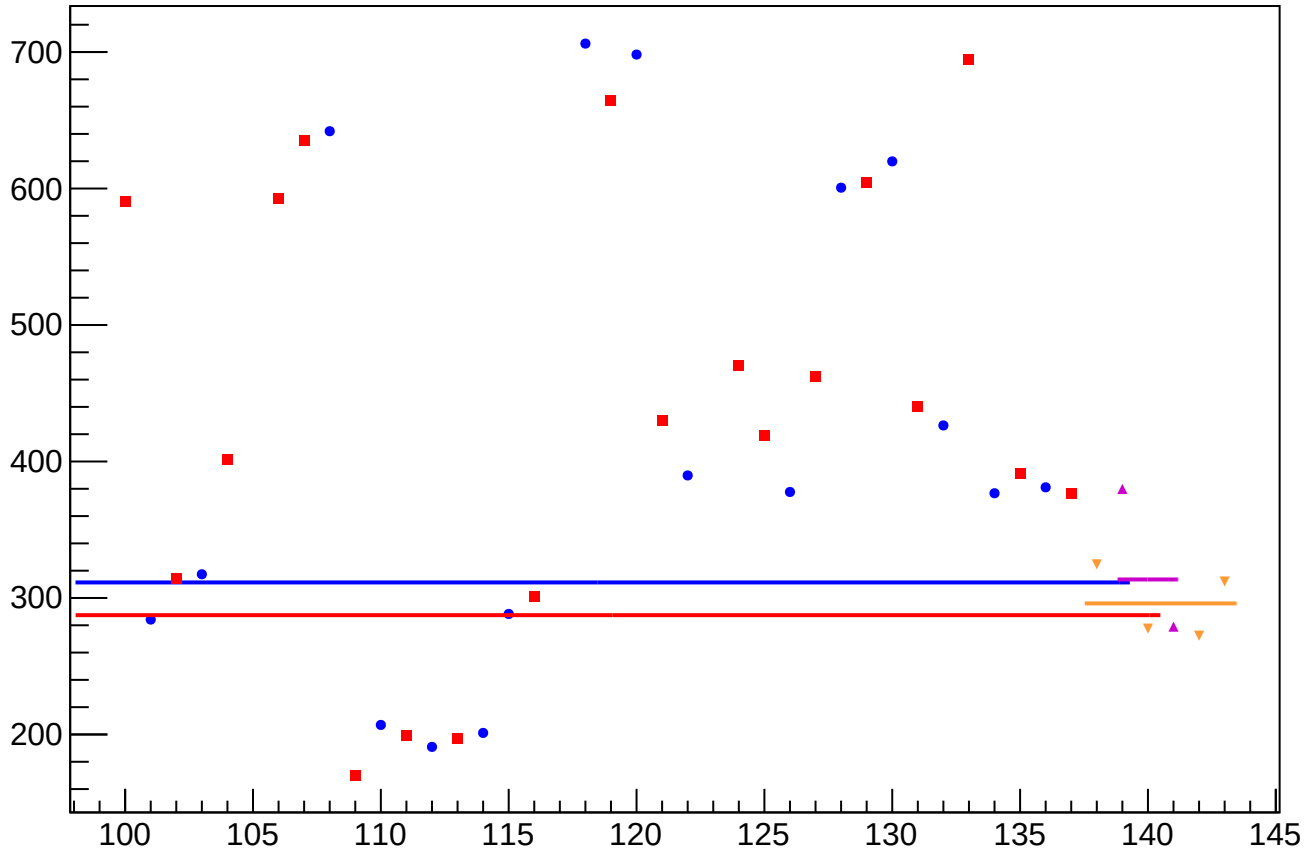
Left: -55.835+/-142.409 χ^2/NDF: 12.6/5

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -63.464+/-111.670 χ^2/NDF:26.0/17

Out: 93.087+/-98.042 χ^2/NDF:25.1/22

All: 24.942+/-73.676 χ^2/NDF: 52.2/40



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 296.011+/-0.125 χ^2/NDF:30009.9/3

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 313.566+/-0.171 χ^2/NDF:78464.3/1

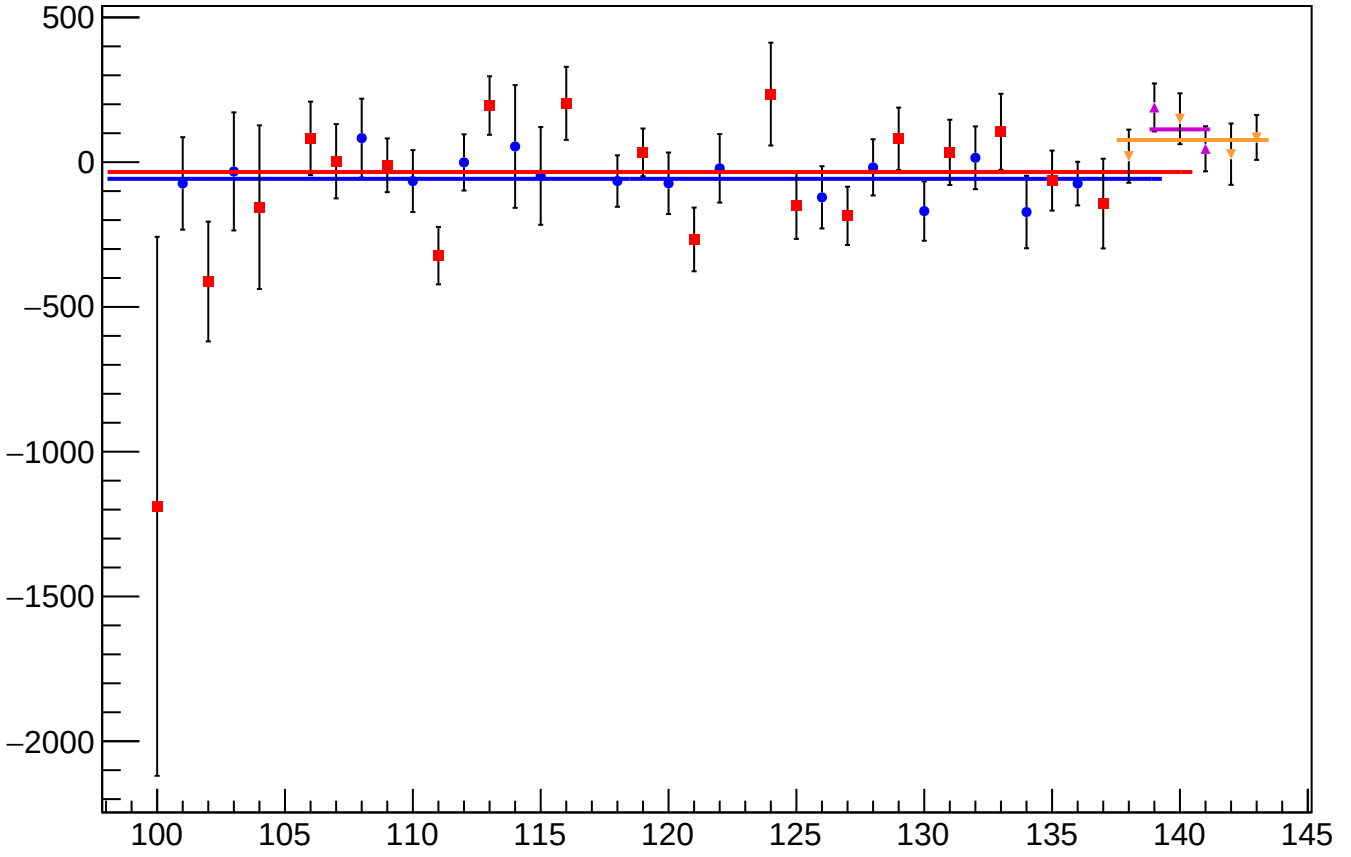
Left: 302.101+/-0.101 χ^2/NDF: 115359.9/5

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 311.853+/-0.079 χ^2/NDF:2202391.0/17

Out: 290.074+/-0.069 χ^2/NDF:2723555.3/22

All: 299.554+/-0.052 χ^2/NDF: 4968902.3/40



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 76.527+/-44.512 χ^2/NDF:1.3/3

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: 90.543+/-35.015 χ^2/NDF: 3.1/5

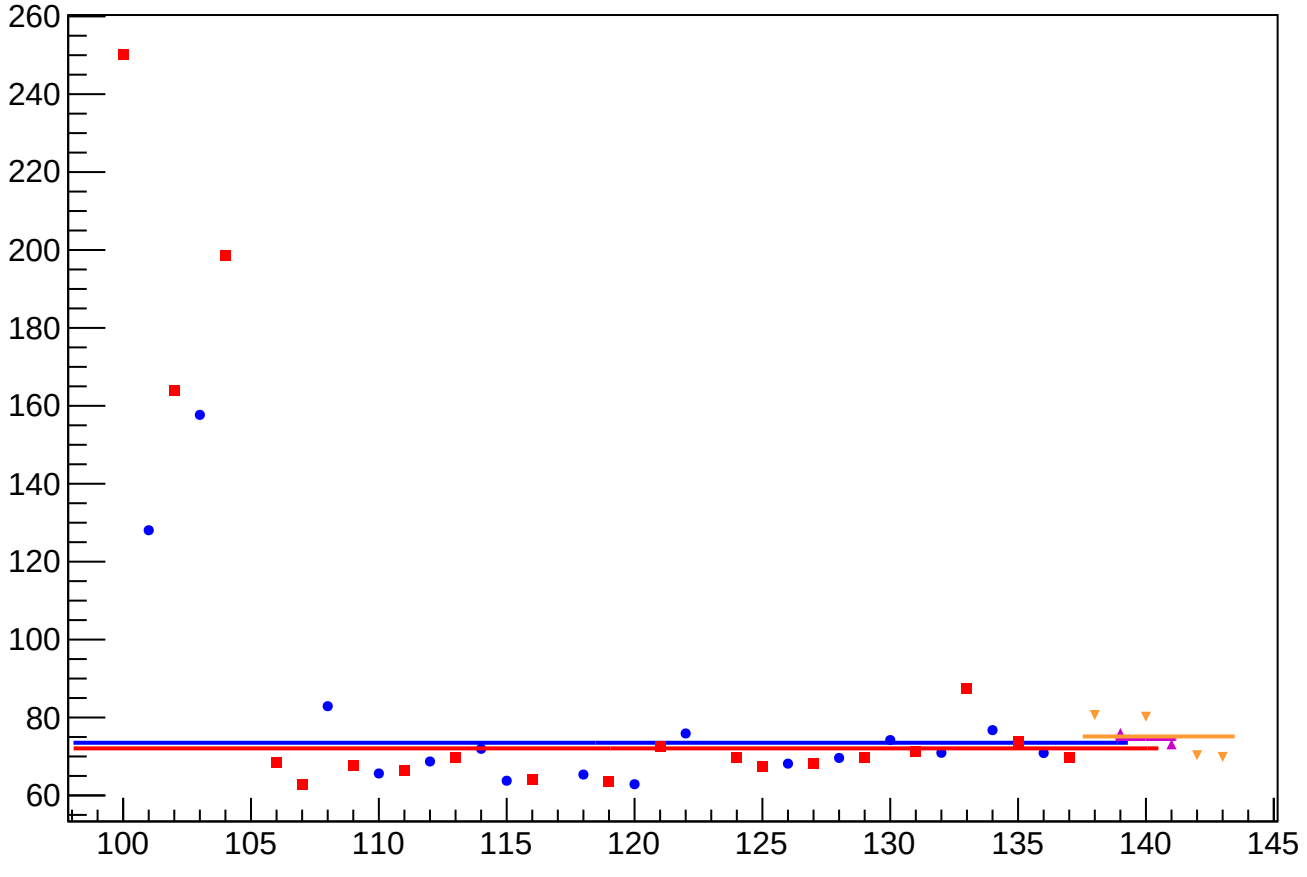
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -23.884+/-25.169 χ^2/NDF:13.8/17

Out: -3.655+/-23.332 χ^2/NDF:42.9/22

All: -13.005+/-17.111 χ^2/NDF: 57.0/40

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 75.132+/-0.031 χ^2/NDF:27178.7/3

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 74.484+/-0.040 χ^2/NDF:1299.1/1

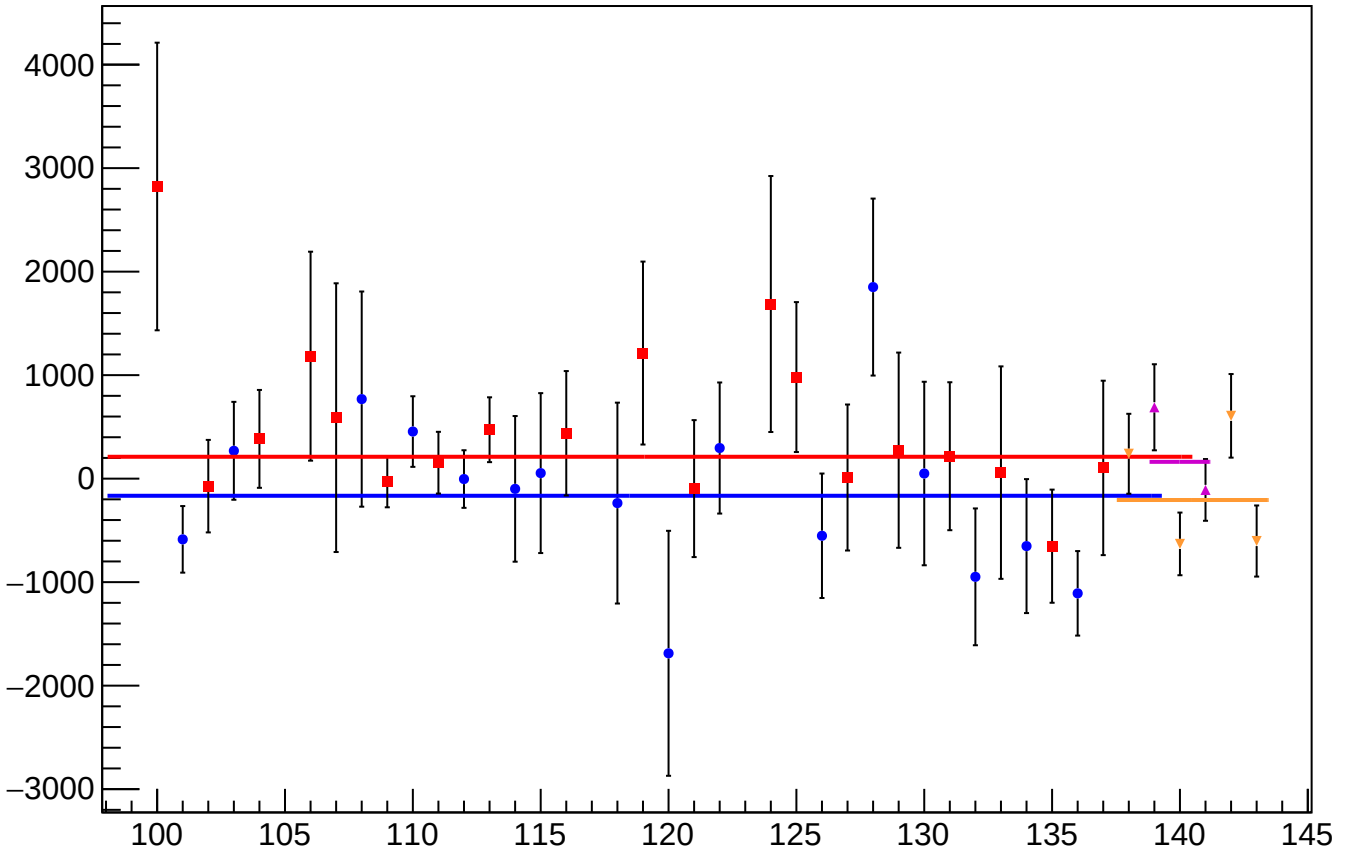
Left: 74.885+/-0.025 χ^2/NDF: 28639.5/5

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.709+/-0.018 χ^2/NDF:658612.0/17

Out: 72.914+/-0.016 χ^2/NDF:992521.2/22

All: 73.282+/-0.012 χ^2/NDF: 1652206.0/40



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -206.416+/-176.144 χ^2/NDF:8.7/3

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 162.339+/-242.342 χ^2/NDF:2.4/1

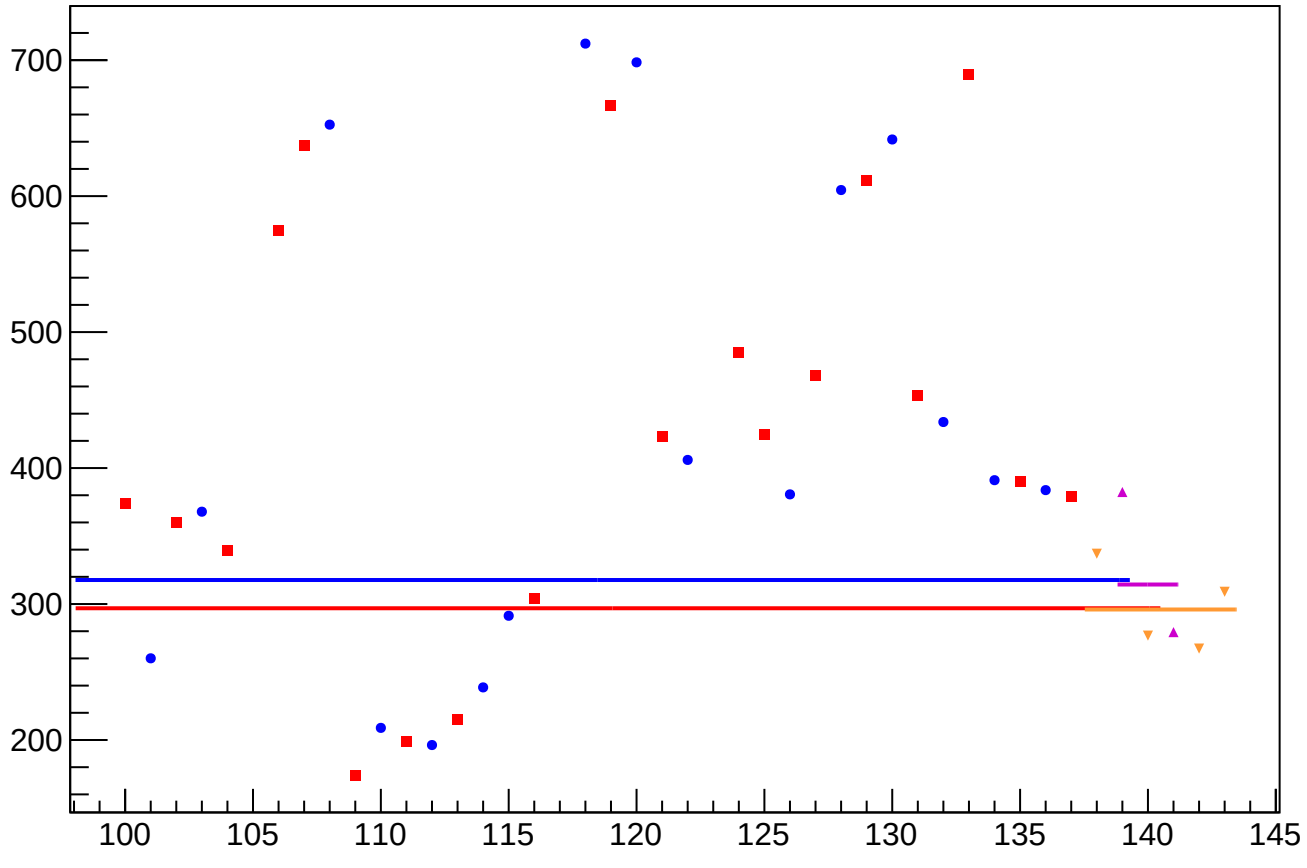
Left: -78.946+/-142.483 χ^2/NDF: 12.6/5

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -93.608+/-113.485 χ^2/NDF:26.5/17

Out: 78.735+/-99.242 χ^2/NDF:26.1/22

All: 4.051+/-74.706 χ^2/NDF: 53.9/40



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 295.980+/-0.125 χ^2/NDF:43664.6/3

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 314.351+/-0.171 χ^2/NDF:81115.6/1

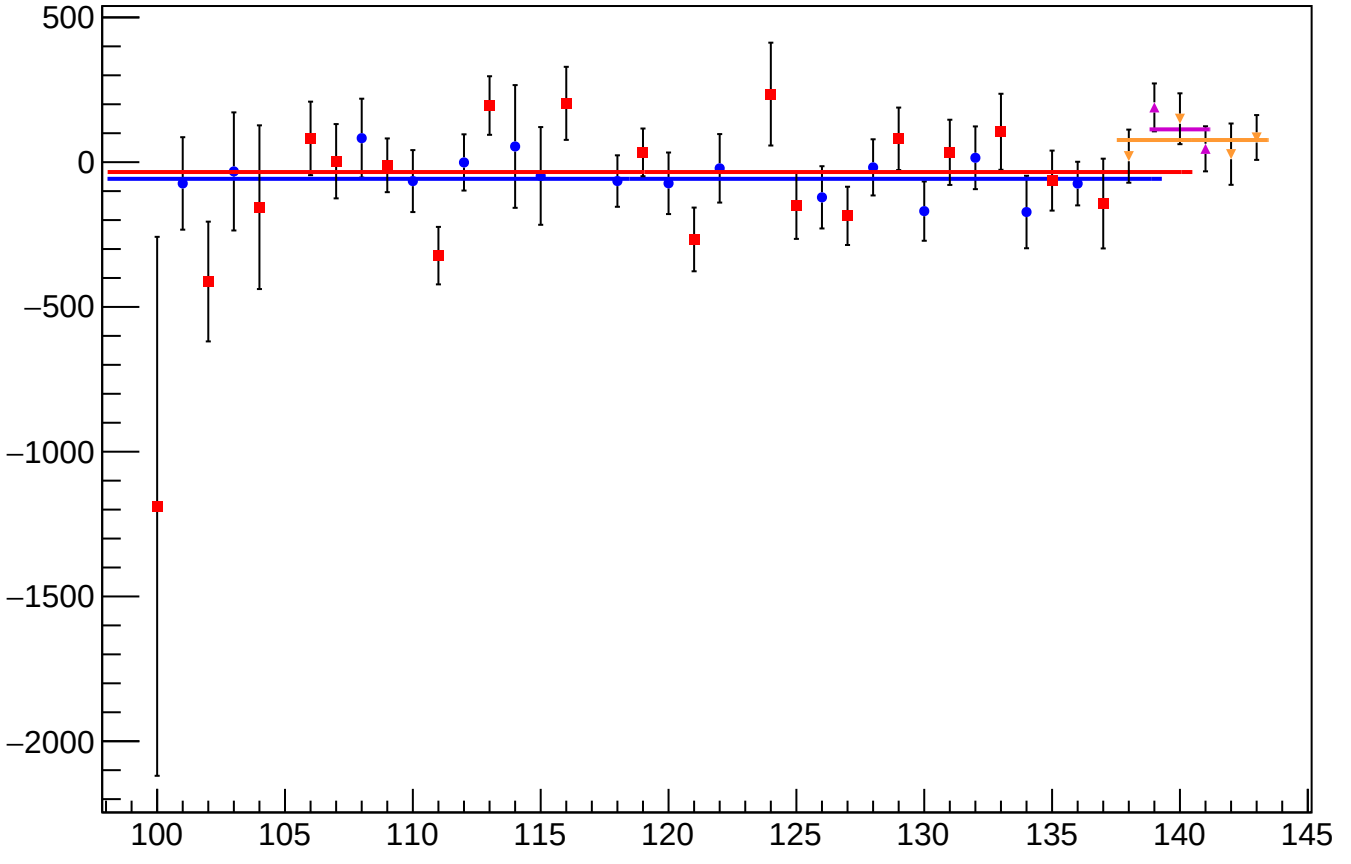
Left: 302.330+/-0.101 χ^2/NDF: 132299.9/5

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 316.937+/-0.080 χ^2/NDF:2217600.2/17

Out: 296.600+/-0.070 χ^2/NDF:2584741.1/22

All: 305.413+/-0.053 χ^2/NDF: 4838738.6/40



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 76.525+/-44.512 χ^2/NDF:1.3/3

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: 90.542+/-35.015 χ^2/NDF: 3.1/5

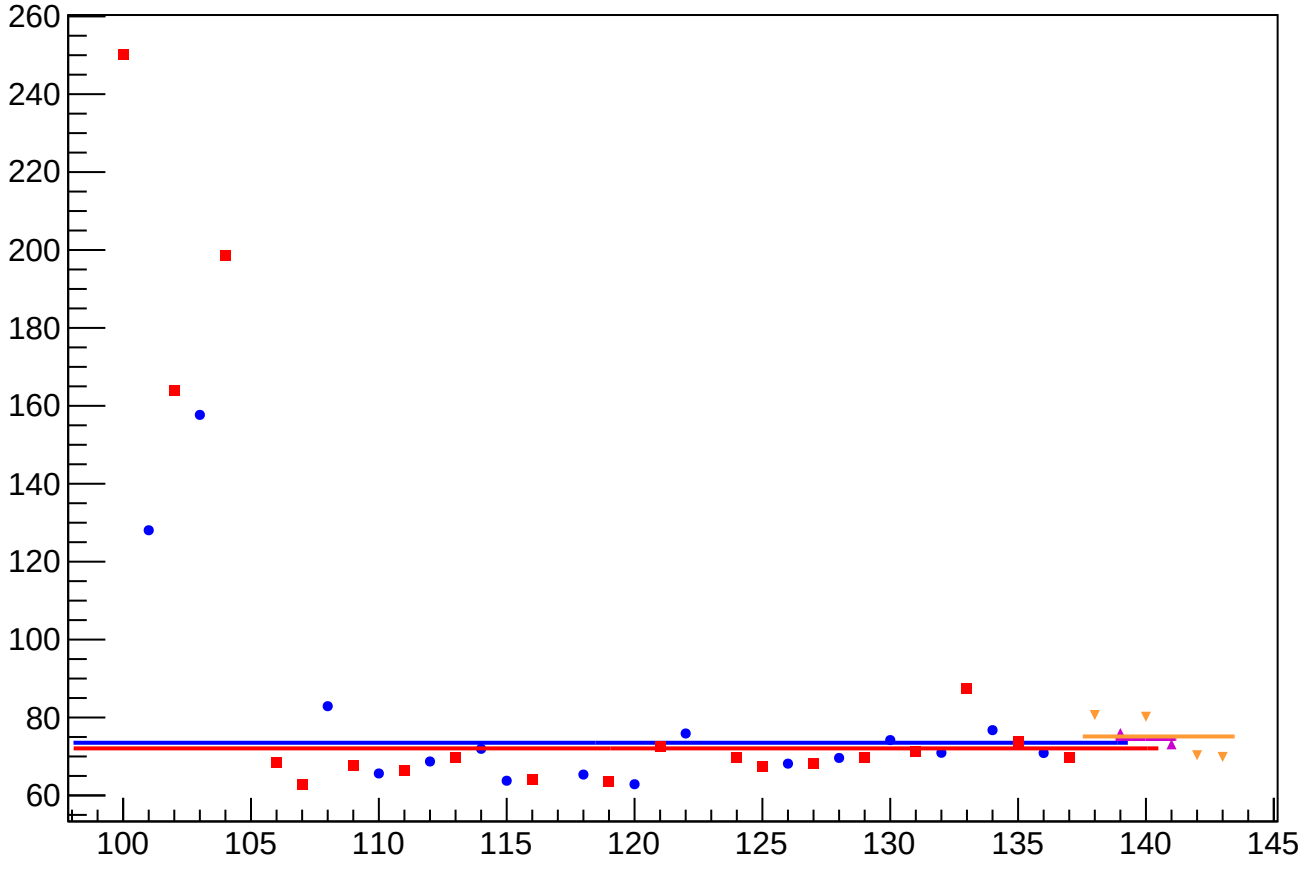
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: -23.884+/-25.169 χ^2/NDF:13.8/17

Out: -3.656+/-23.332 χ^2/NDF:42.9/22

All: -13.005+/-17.111 χ^2/NDF: 57.0/40

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 75.132+/-0.031 χ^2/NDF:27177.8/3

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 74.484+/-0.040 χ^2/NDF:1299.1/1

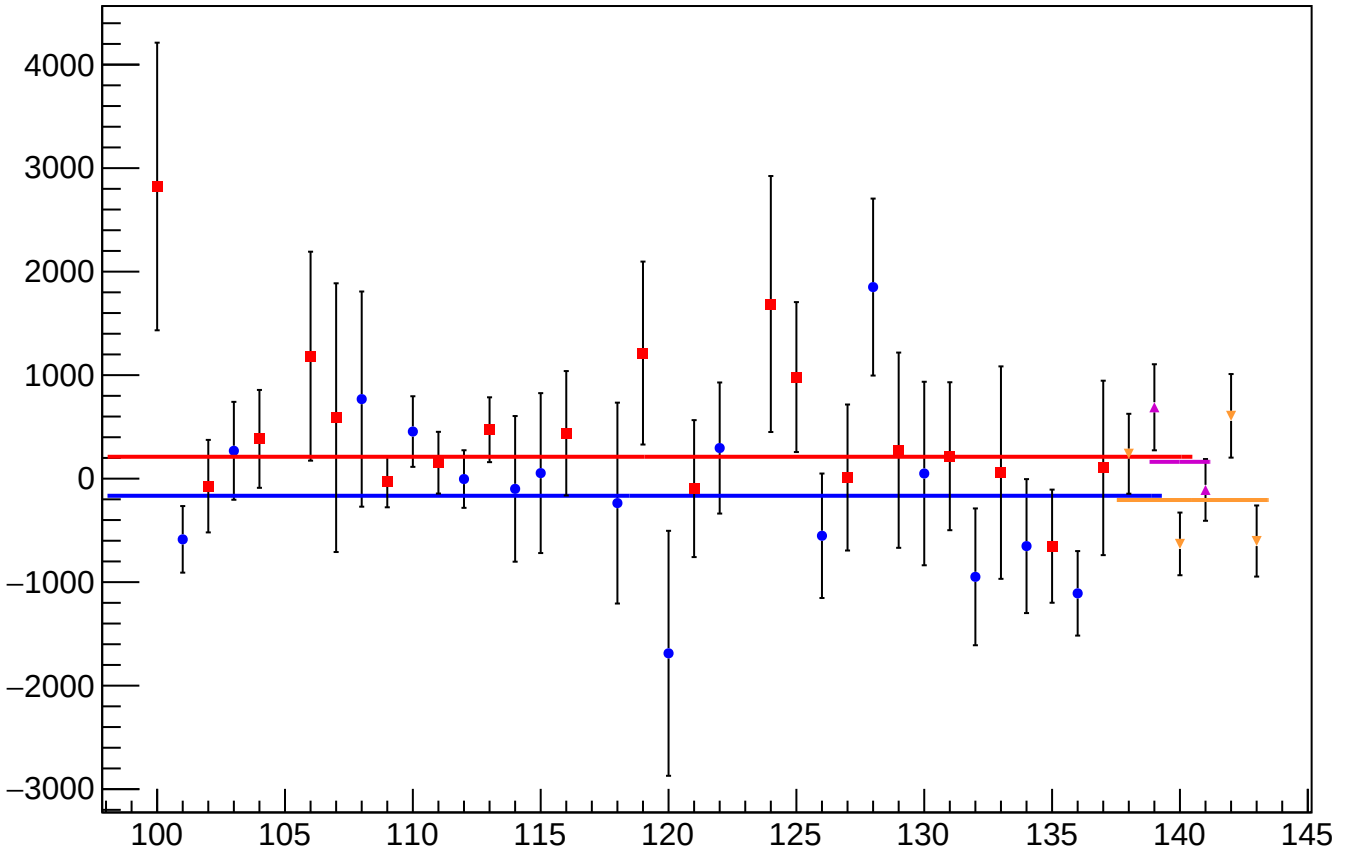
Left: 74.885+/-0.025 χ^2/NDF: 28638.5/5

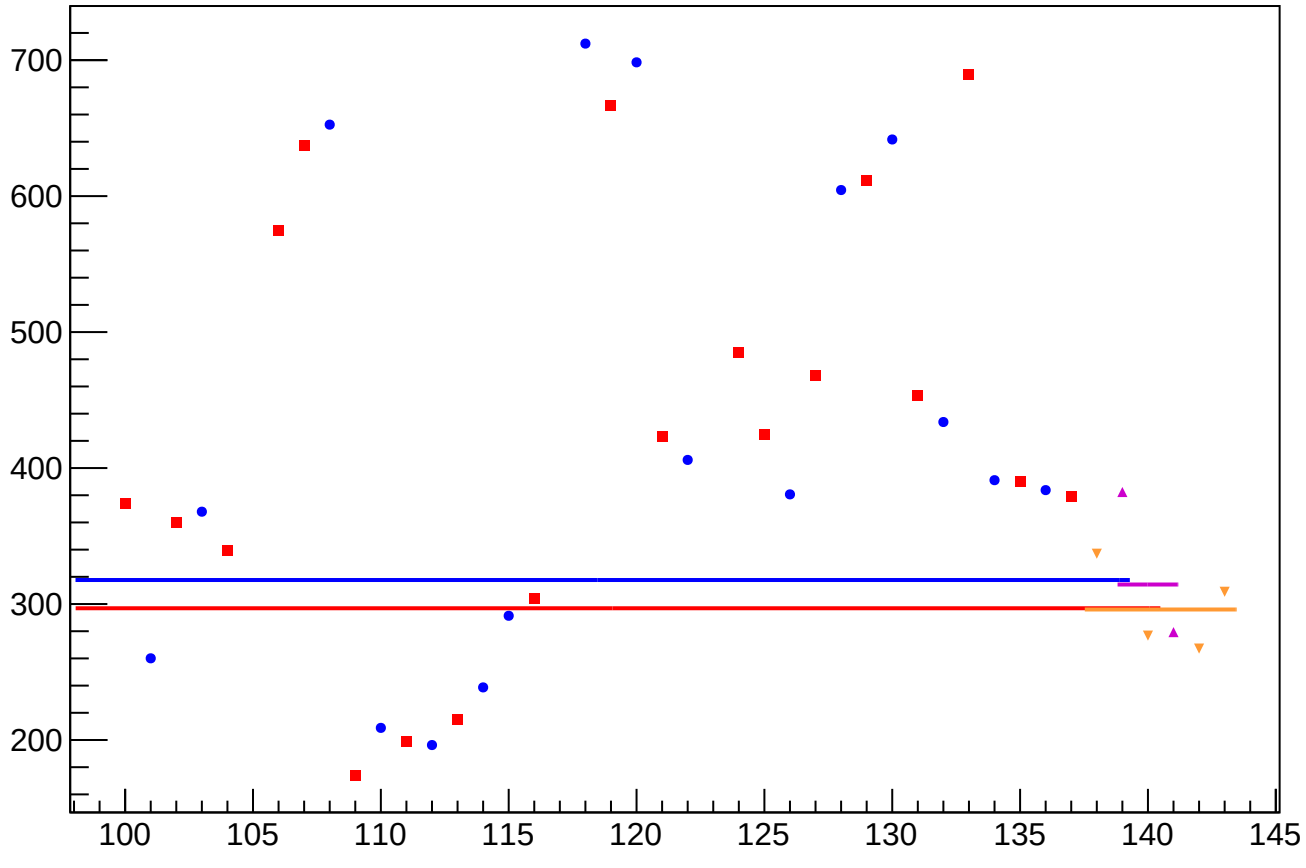
Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.709+/-0.018 χ^2/NDF:658613.7/17

Out: 72.914+/-0.016 χ^2/NDF:992522.3/22

All: 73.282+/-0.012 χ^2/NDF: 1652208.7/40


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
105
110
115
120
125
130
135
140
145
Right In: -165.498+/-128.437 χ²/NDF: 22.6/15
Left Out: -206.417+/-176.144 χ²/NDF:8.7/3
Right Out: 211.347+/-120.121 χ²/NDF: 13.6/18
Left In: 162.341+/-242.342 χ²/NDF:2.4/1
Left: -78.946+/-142.483 χ²/NDF: 12.6/5
Right: 35.517+/-87.731 χ²/NDF: 40.8/34
In: -93.608+/-113.484 χ²/NDF:26.5/17
Out: 78.735+/-99.241 χ²/NDF:26.1/22
All: 4.051+/-74.705 χ²/NDF: 53.9/40



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 295.980+/-0.125 χ^2/NDF:43664.3/3

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: 302.330+/-0.101 χ^2/NDF: 132298.9/5

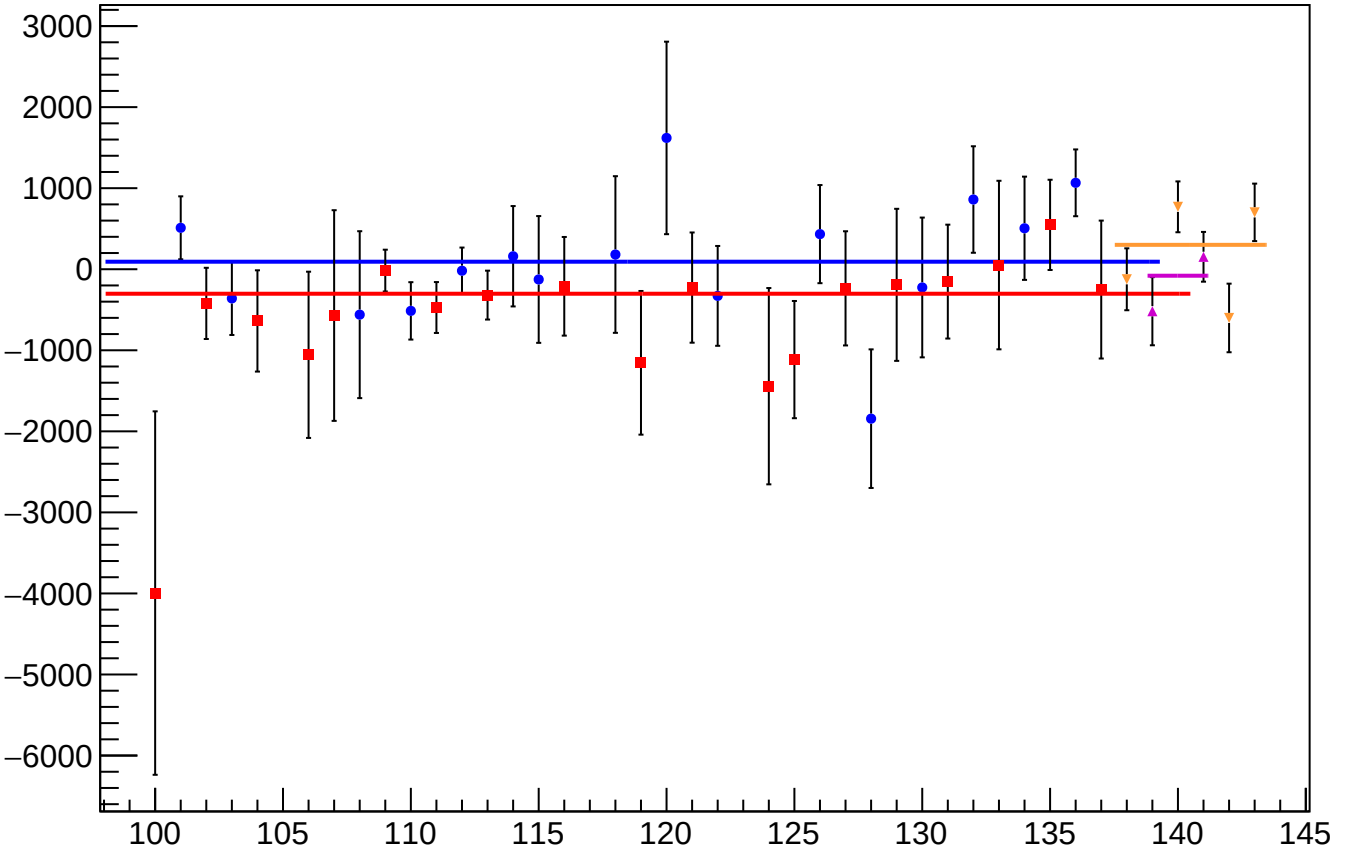
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 316.935+/-0.080 χ^2/NDF:2217630.5/17

Out: 296.599+/-0.070 χ^2/NDF:2584751.6/22

All: 305.412+/-0.053 χ^2/NDF: 4838776.9/40

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 300.976+/-180.895 χ^2/NDF:9.3/3

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: 168.616+/-146.133 χ^2/NDF: 12.5/5

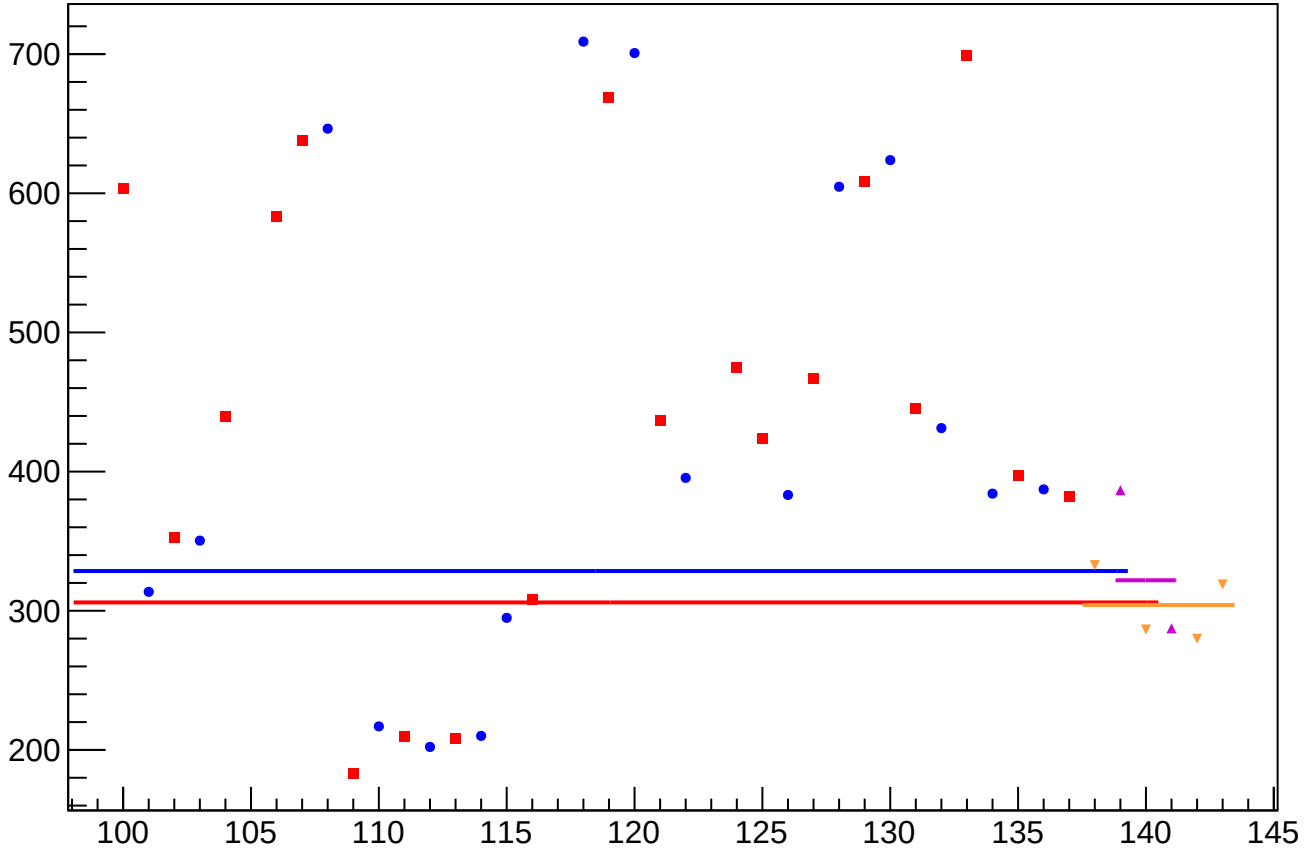
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 54.667+/-116.465 χ^2/NDF:22.9/17

Out: -109.606+/-102.231 χ^2/NDF:27.7/22

All: -38.117+/-76.831 χ^2/NDF: 51.7/40

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 304.104+/-0.128 χ^2/NDF:27599.6/3

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 321.904+/-0.175 χ^2/NDF:72722.6/1

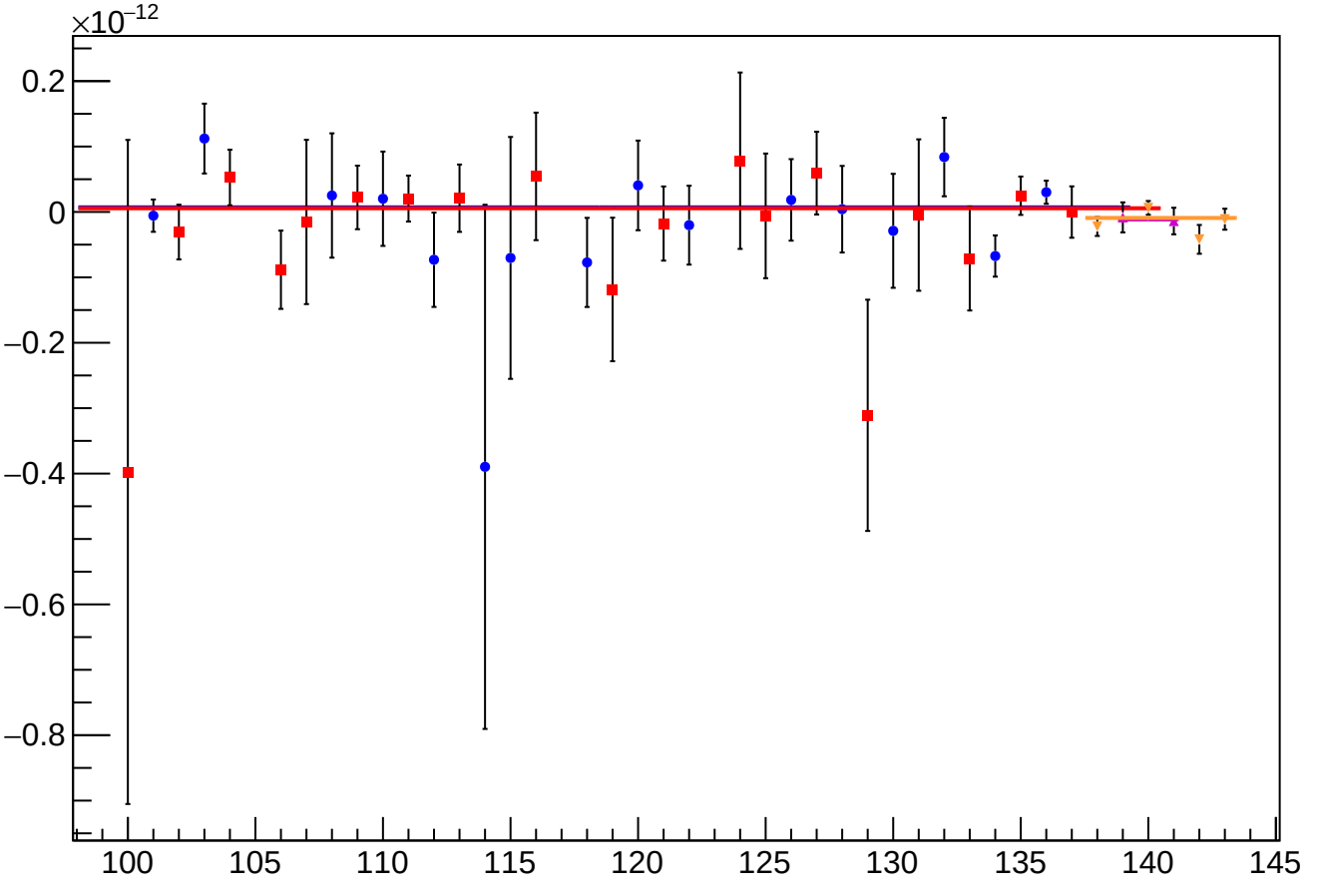
Left: 310.288+/-0.103 χ^2/NDF: 107049.8/5

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 327.096+/-0.082 χ^2/NDF:2032721.5/17

Out: 305.386+/-0.072 χ^2/NDF:2555210.8/22

All: 314.834+/-0.054 χ^2/NDF: 4627184.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

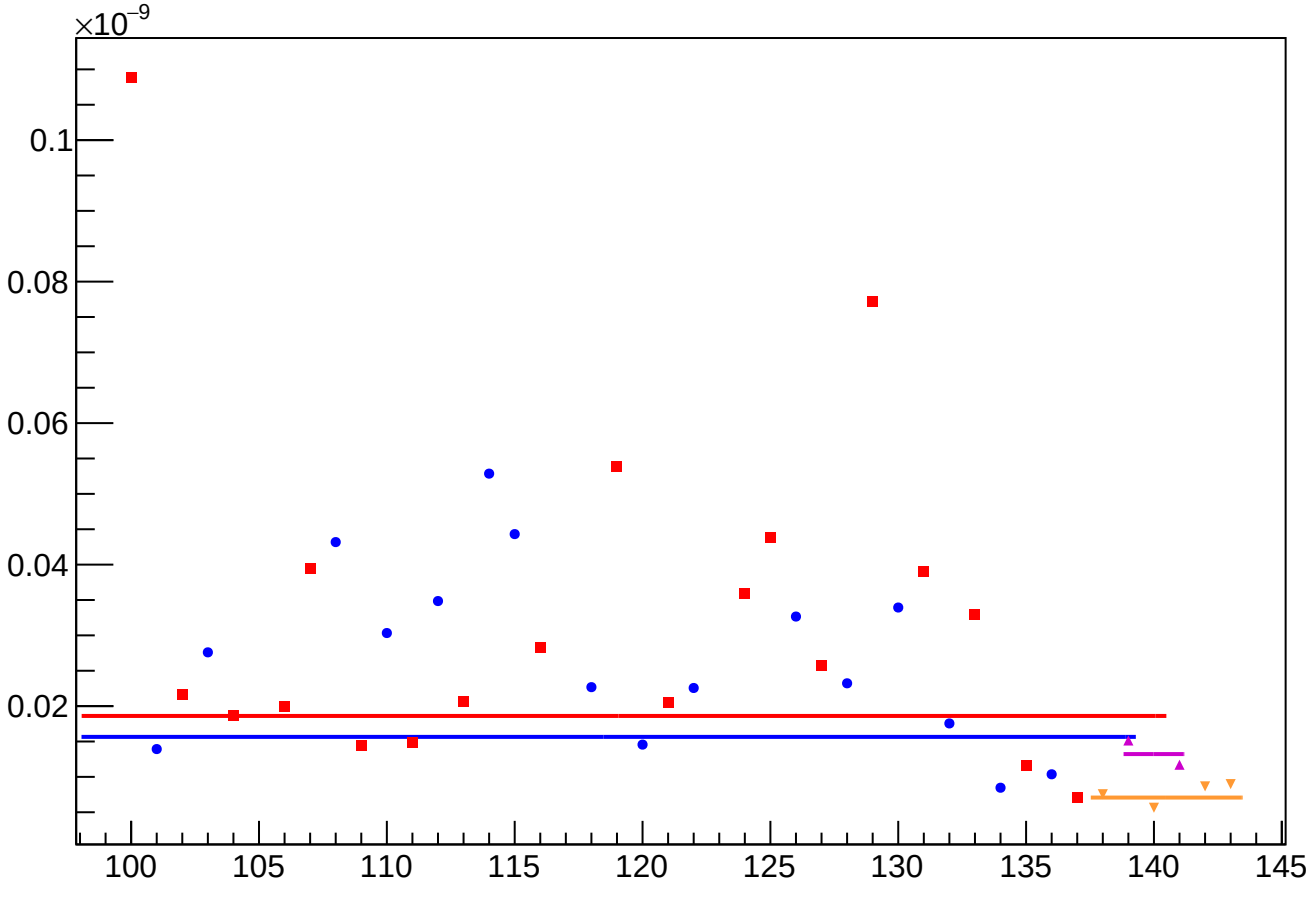
Left: -0.000+/-0.000 χ^2/NDF: 5.2/5

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:19.0/22

All: -0.000+/-0.000 χ^2/NDF: 38.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:77340.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:24988.3/1

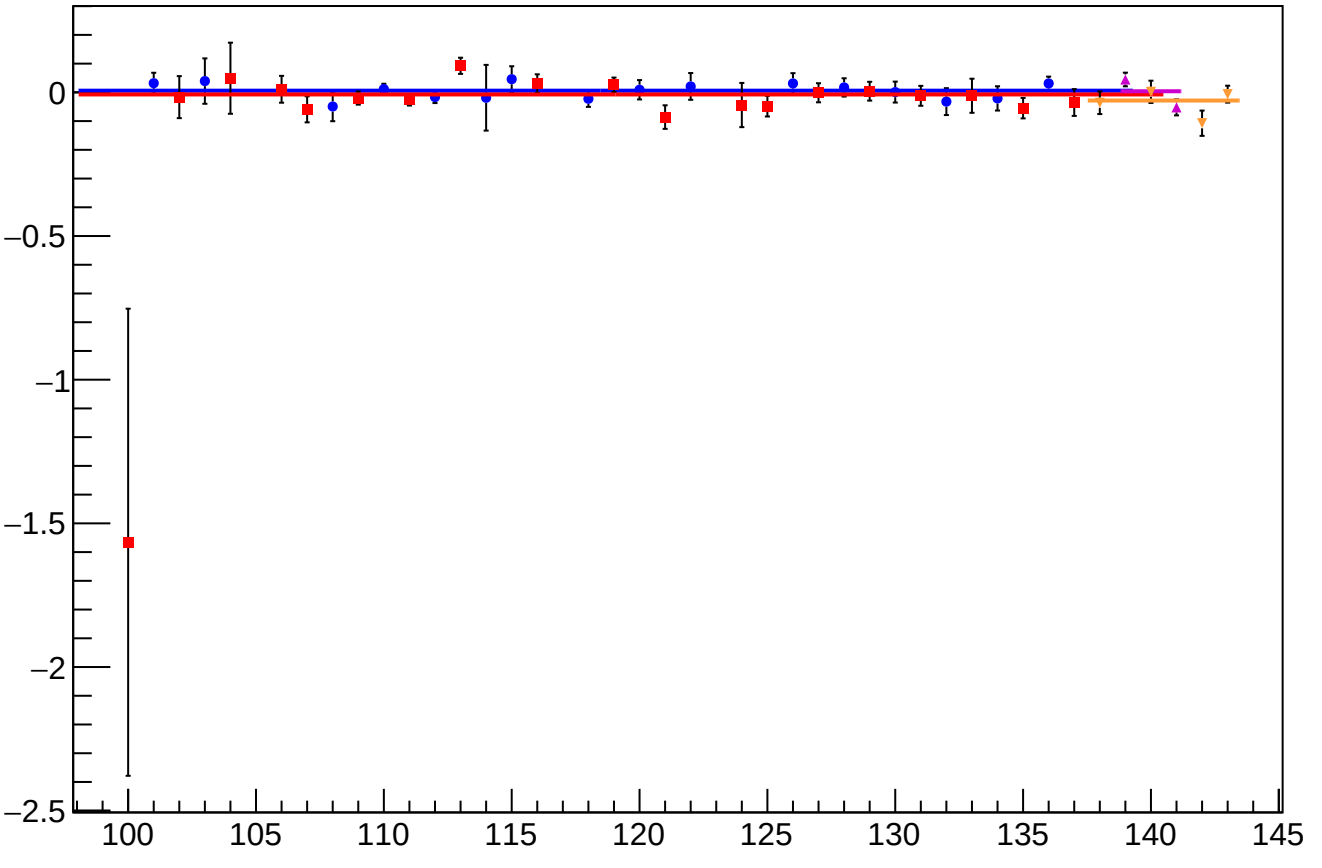
Left: 0.000+/-0.000 χ^2/NDF: 369724.5/5

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:2540022.4/22

All: 0.000+/-0.000 χ^2/NDF: 4190643.2/40



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

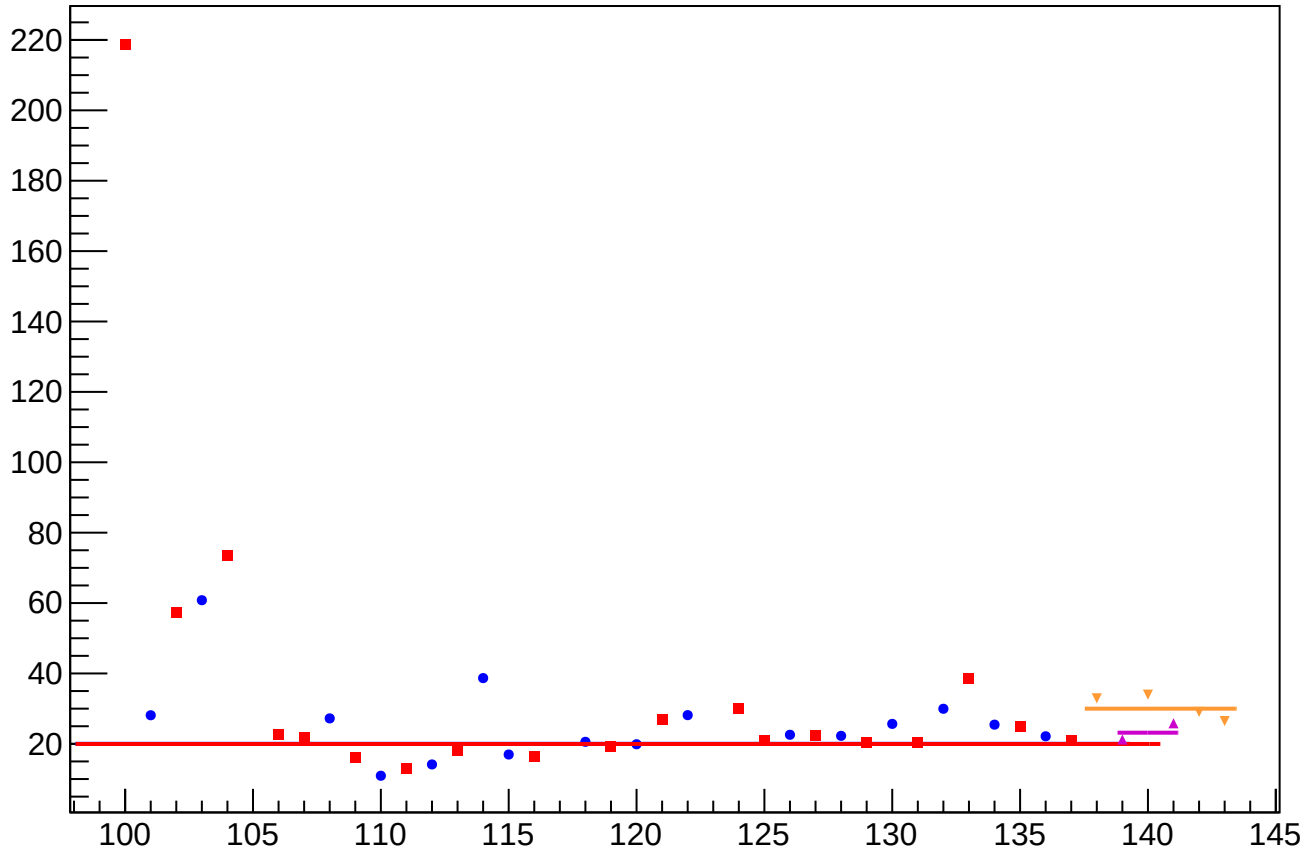
Left: -0.012+/-0.013 χ^2/NDF: 13.0/5

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 52.7/40



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 29.991+/-0.013 χ^2/NDF:61919.3/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.167+/-0.013 χ^2/NDF:31753.1/1

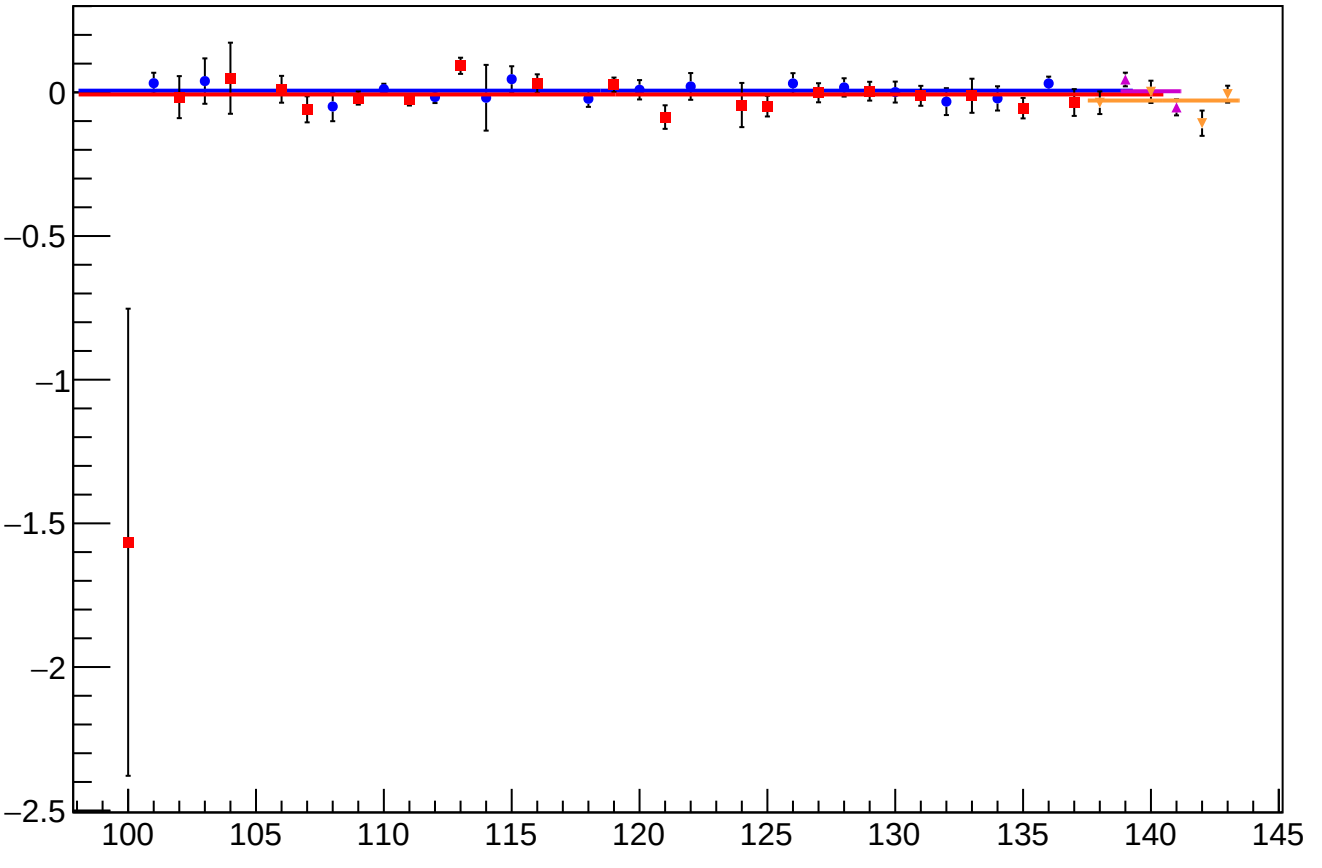
Left: 26.538+/-0.009 χ^2/NDF: 234249.8/5

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.536+/-0.005 χ^2/NDF:1724042.1/17

Out: 21.602+/-0.005 χ^2/NDF:2280706.2/22

All: 21.072+/-0.004 χ^2/NDF: 4025384.1/40



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

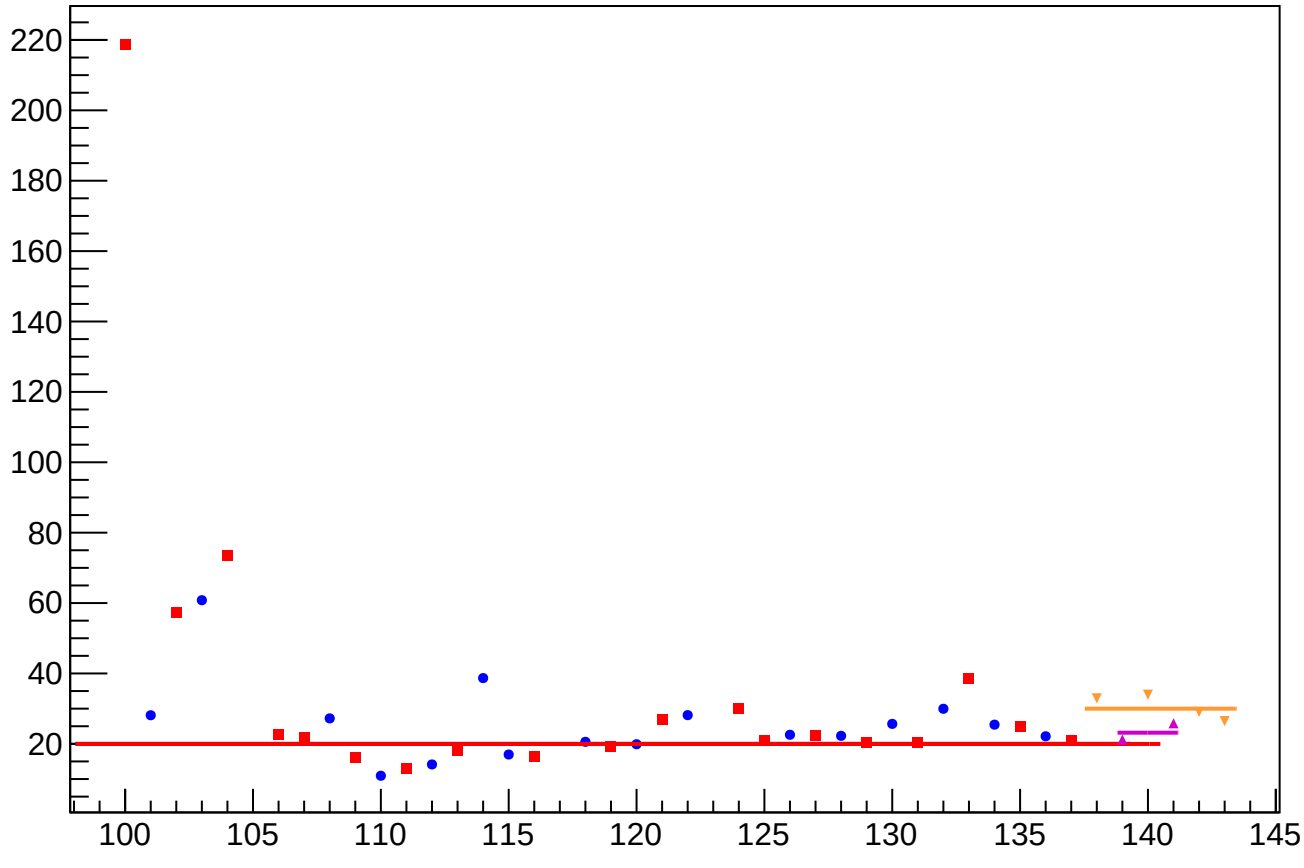
Left: -0.012+/-0.013 χ^2/NDF: 13.0/5

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 52.7/40



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 29.991+/-0.013 χ^2/NDF:61919.3/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.167+/-0.013 χ^2/NDF:31753.1/1

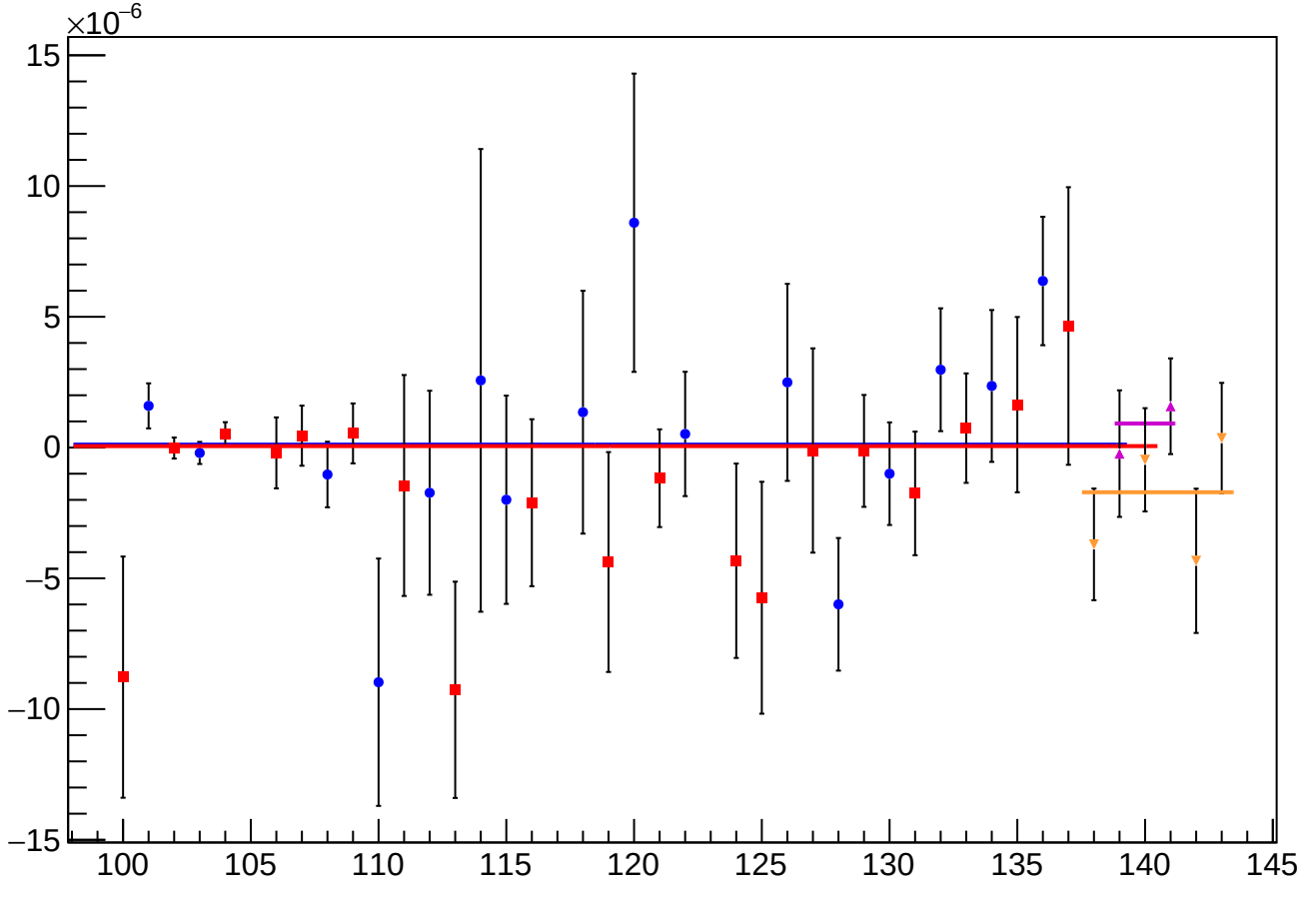
Left: 26.538+/-0.009 χ^2/NDF: 234249.8/5

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 20.536+/-0.005 χ^2/NDF:1724042.1/17

Out: 21.602+/-0.005 χ^2/NDF:2280706.2/22

All: 21.072+/-0.004 χ^2/NDF: 4025384.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

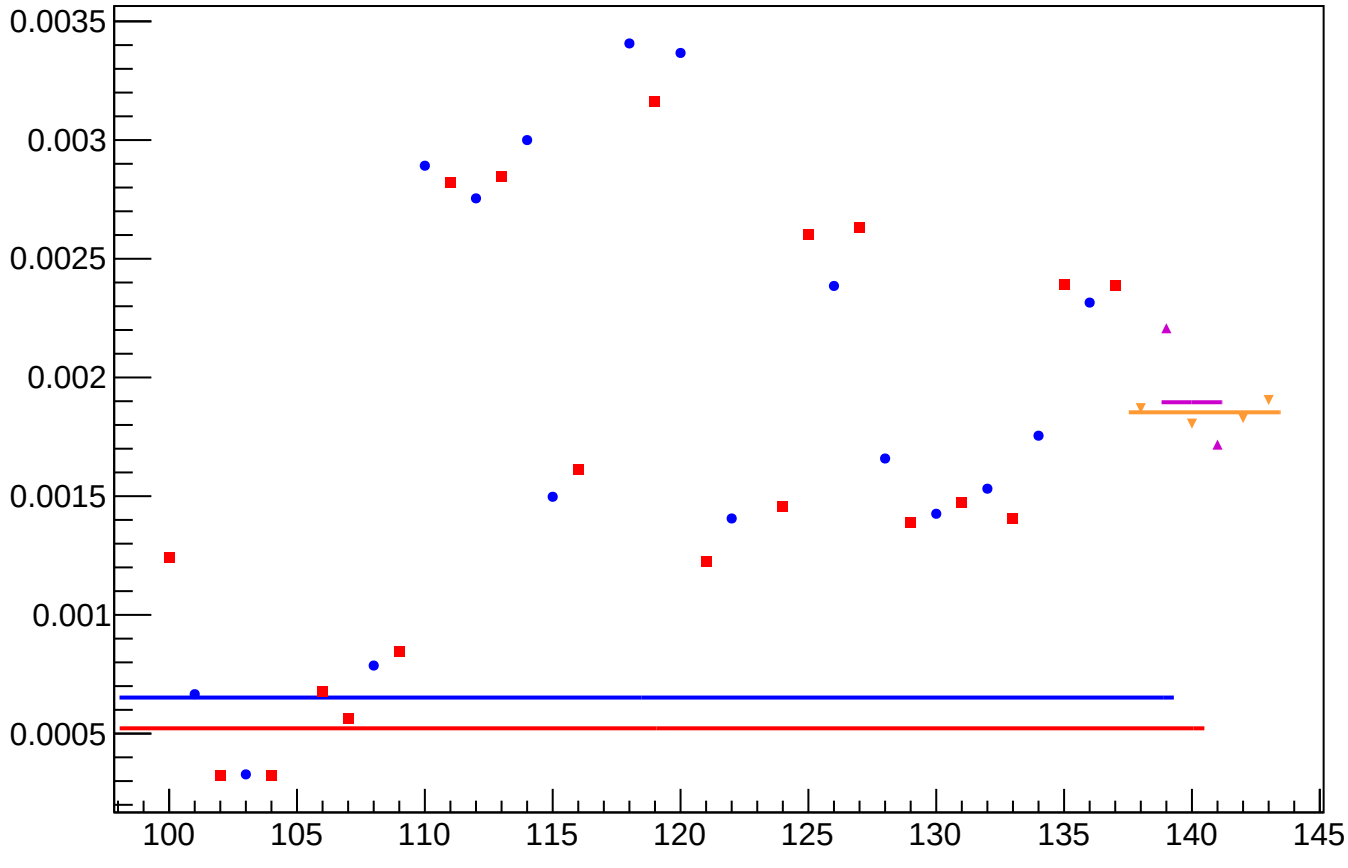
Left: -0.000+/-0.000 χ^2/NDF: 5.6/5

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:22.7/22

All: 0.000+/-0.000 χ^2/NDF: 49.6/40



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2667.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:52177.3/1

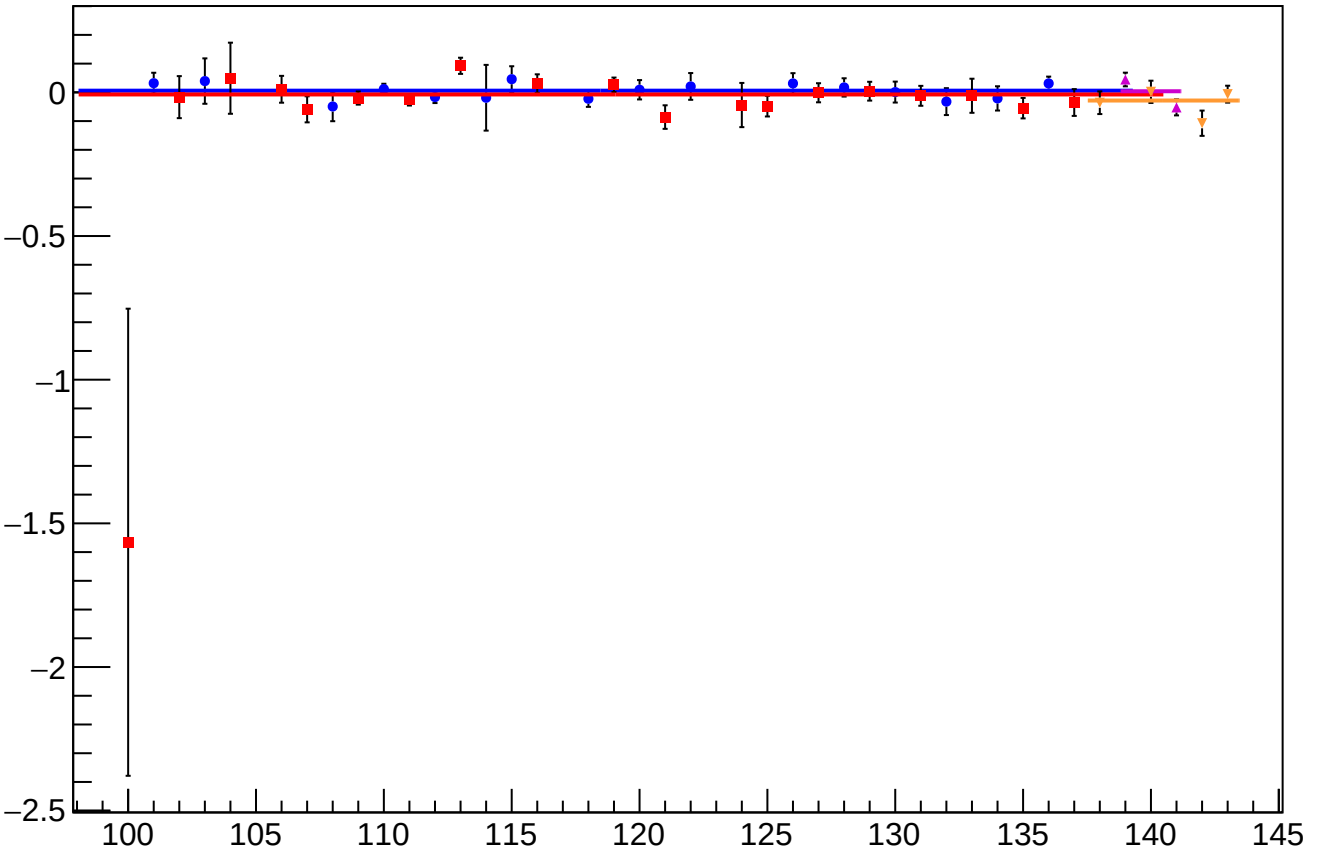
Left: 0.002+/-0.000 χ^2/NDF: 55921.4/5

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:9467857.1/22

All: 0.001+/-0.000 χ^2/NDF: 17427489.5/40



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.004+/-0.018 χ^2/NDF:7.0/1

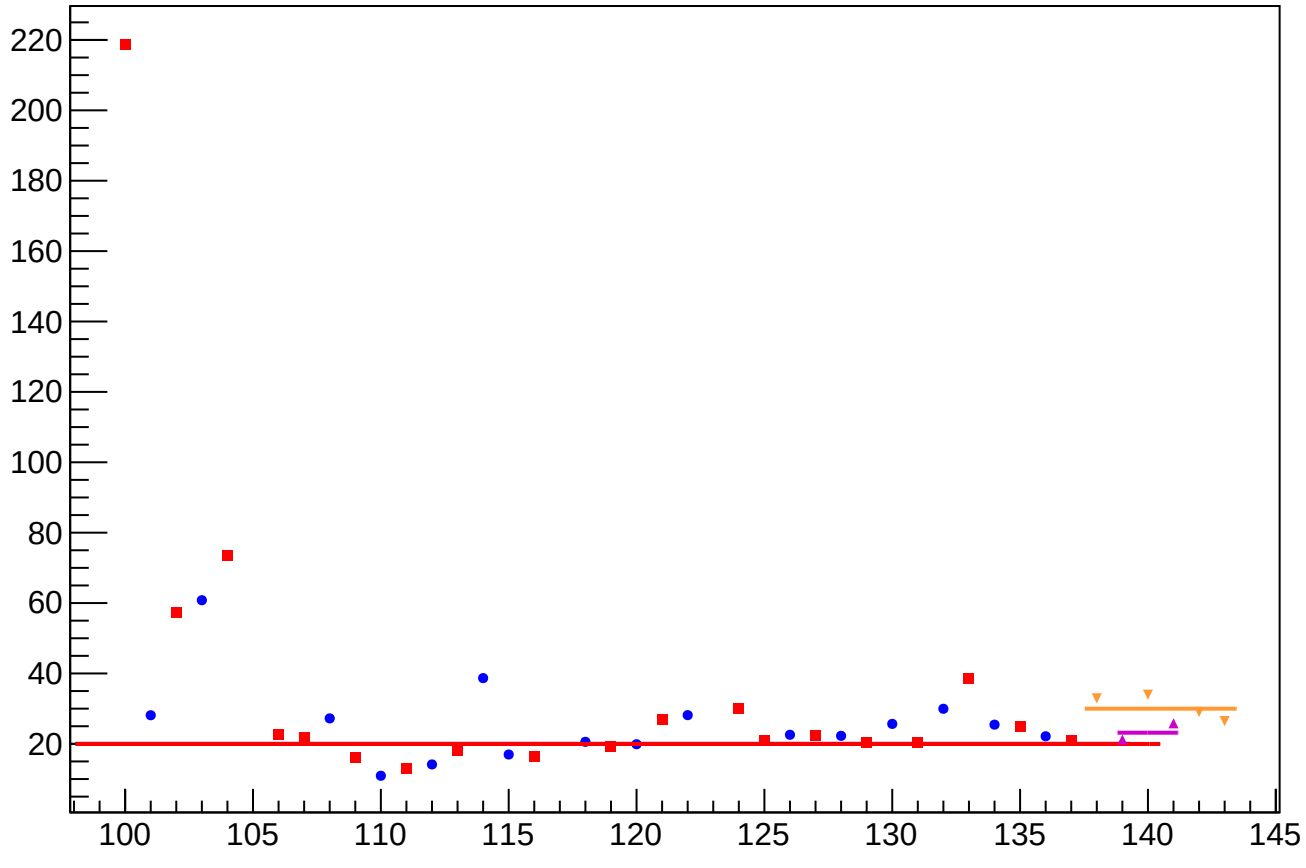
Left: -0.012+/-0.013 χ^2/NDF: 13.0/5

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 52.7/40



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 29.991+/-0.013 χ^2/NDF:61910.7/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.167+/-0.013 χ^2/NDF:31755.7/1

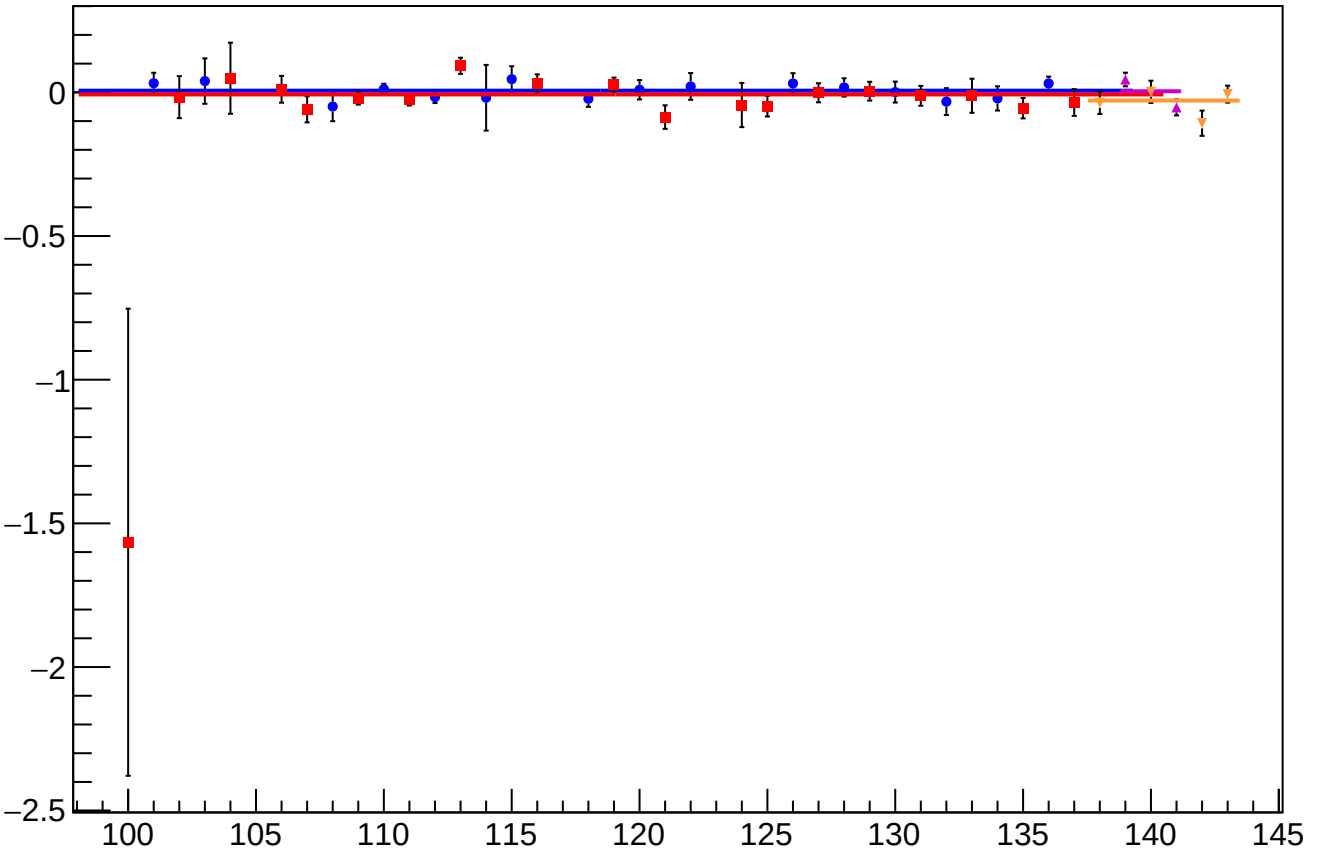
Left: 26.538+/-0.009 χ^2/NDF: 234255.1/5

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 20.536+/-0.005 χ^2/NDF:1723854.0/17

Out: 21.603+/-0.005 χ^2/NDF:2280639.7/22

All: 21.072+/-0.004 χ^2/NDF: 4025119.1/40



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.028+/-0.018 χ^2/NDF:4.4/3

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: -0.012+/-0.013 χ^2/NDF: 13.0/5

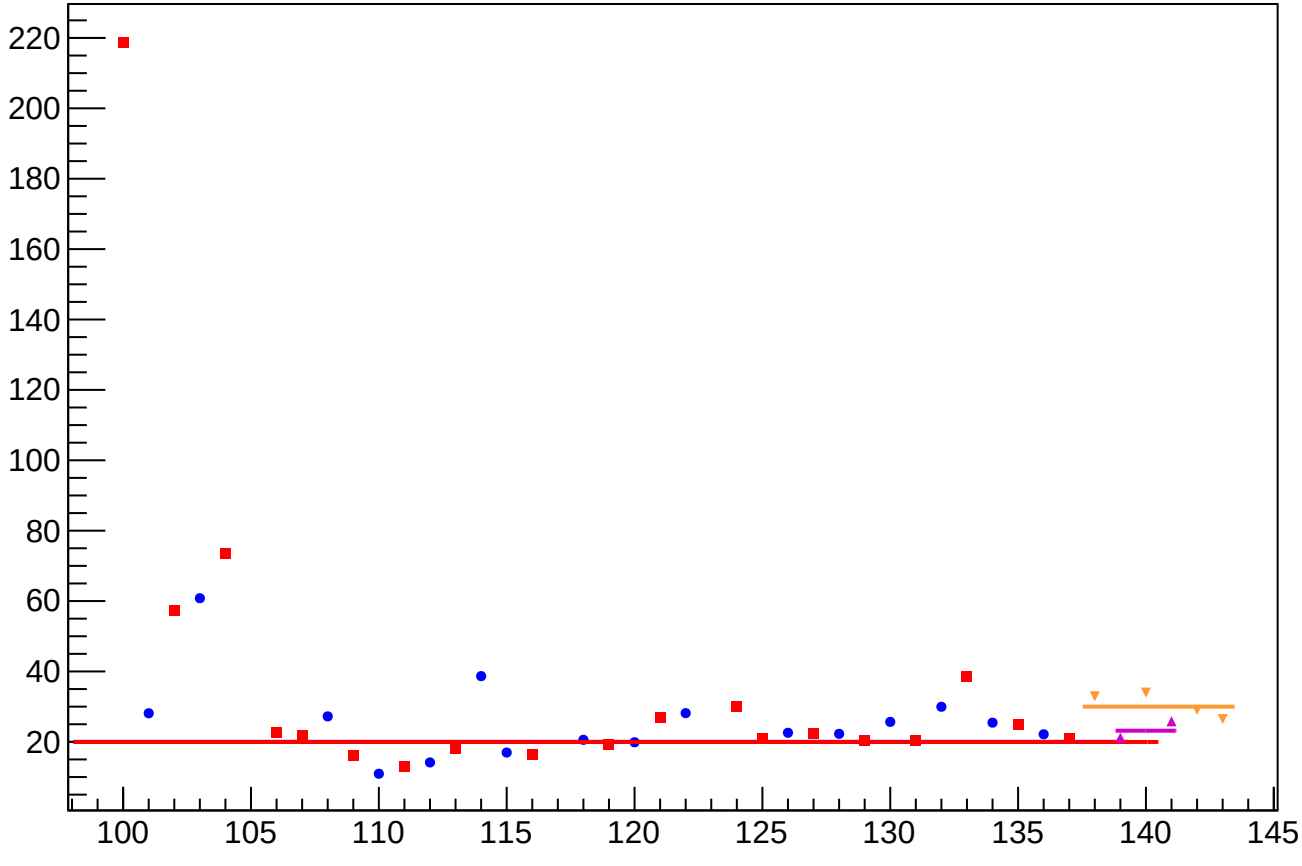
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.007 χ^2/NDF:14.9/17

Out: -0.011+/-0.007 χ^2/NDF:35.4/22

All: -0.003+/-0.005 χ^2/NDF: 52.7/40

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: 29.991+/-0.013 χ^2/NDF:61910.7/3

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.167+/-0.013 χ^2/NDF:31755.7/1

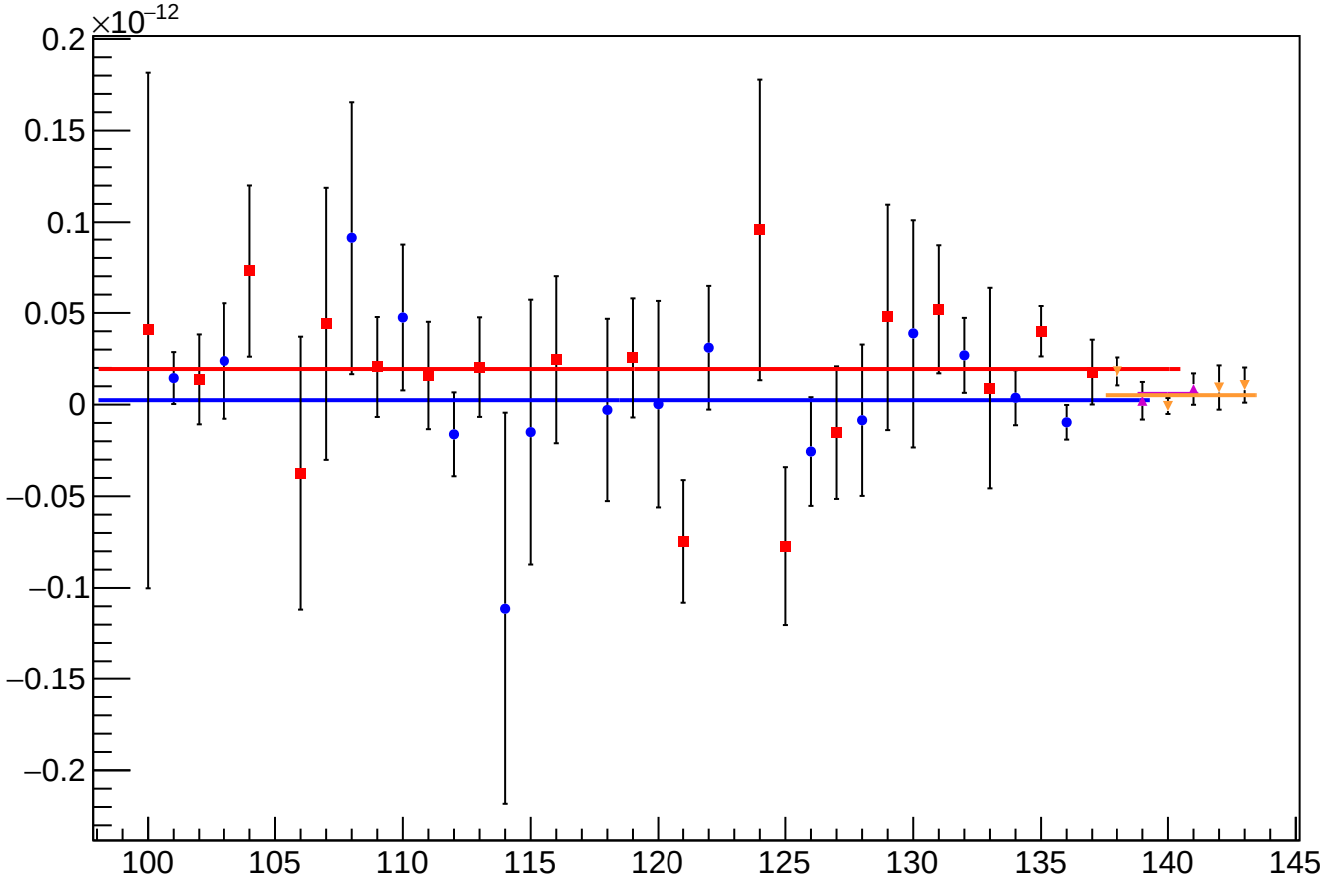
Left: 26.538+/-0.009 χ^2/NDF: 234255.1/5

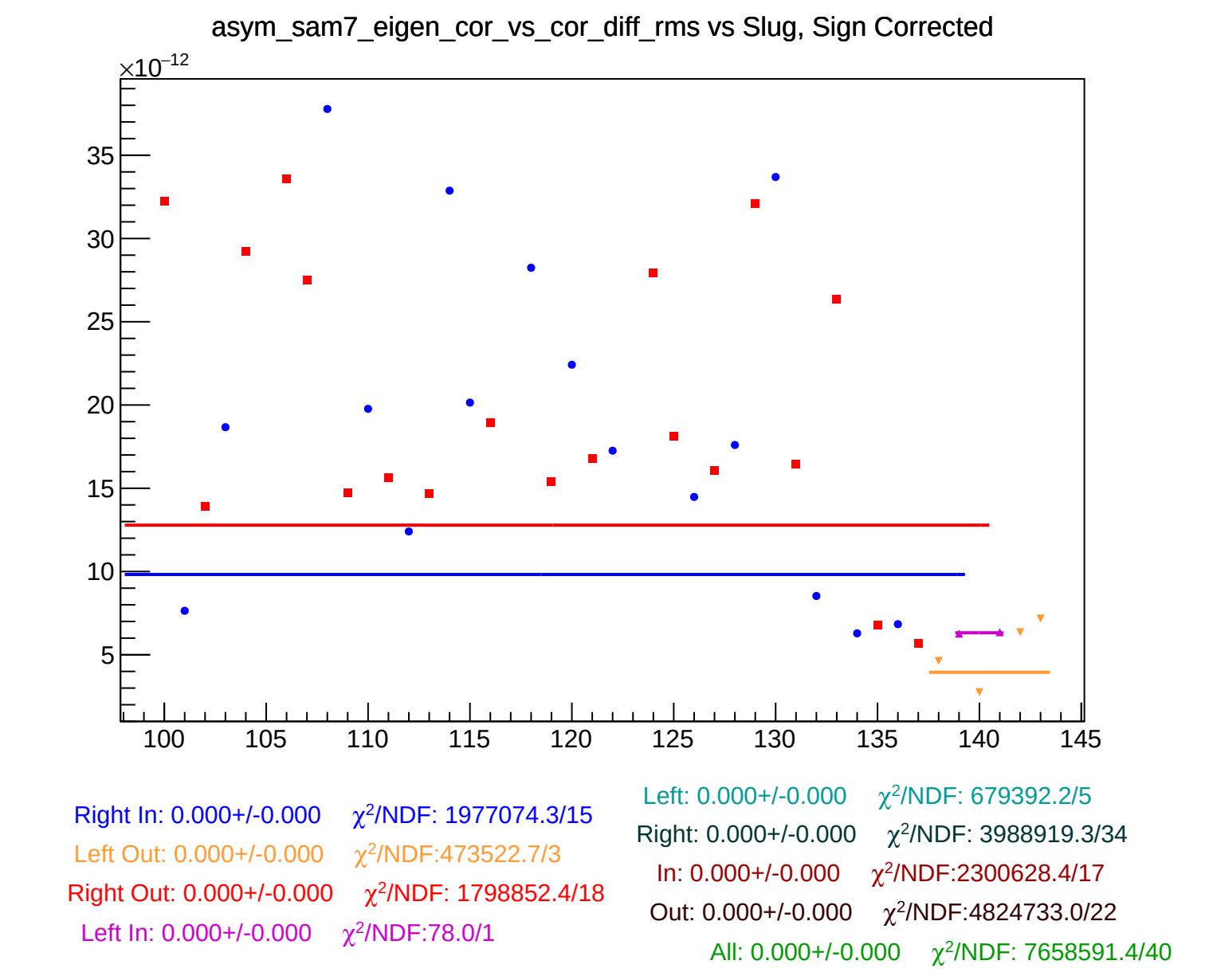
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

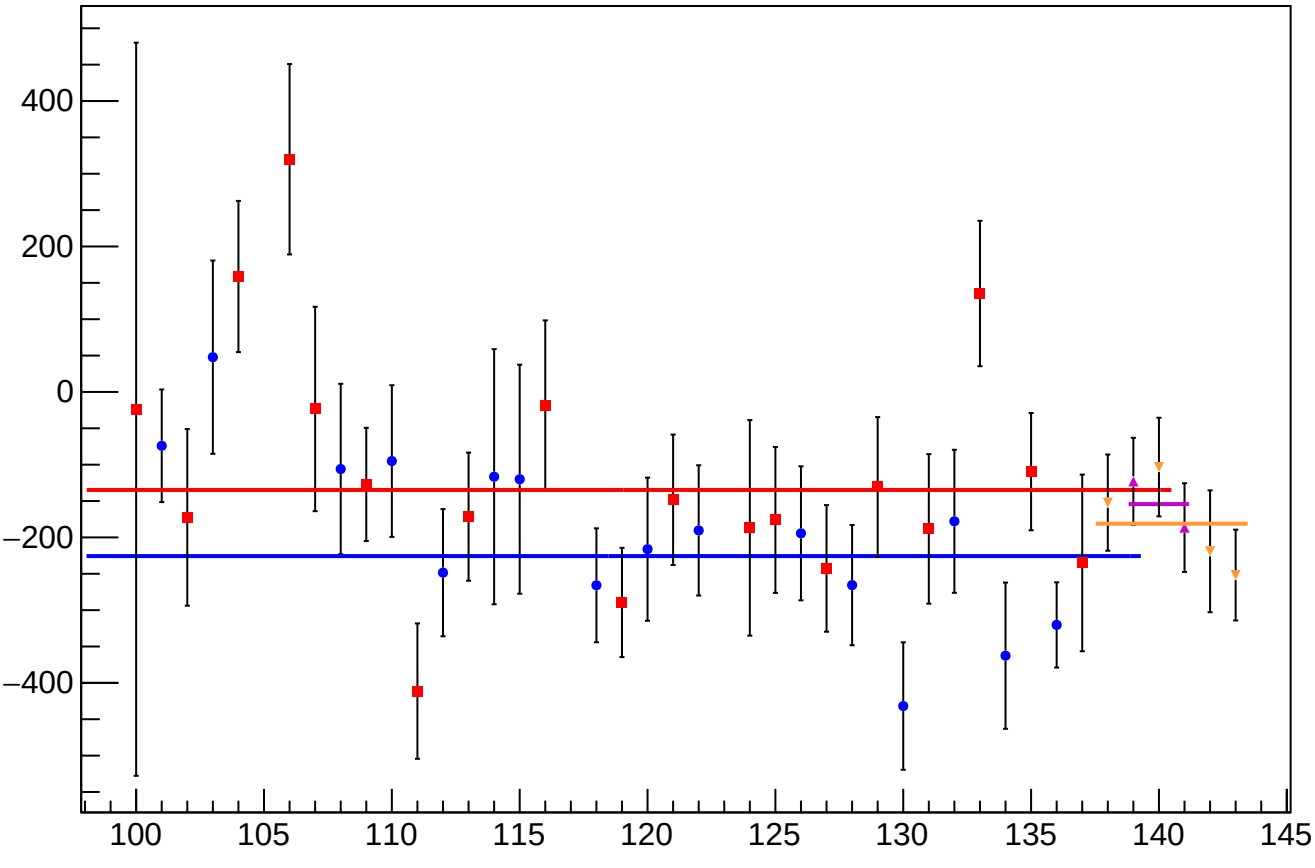
In: 20.536+/-0.005 χ^2/NDF:1723854.0/17

Out: 21.603+/-0.005 χ^2/NDF:2280639.7/22

All: 21.072+/-0.004 χ^2/NDF: 4025119.1/40


asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 10.8/15
Left Out: 0.000+/-0.000 χ²/NDF:5.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 20.2/18
Left In: 0.000+/-0.000 χ²/NDF:0.2/1
Left: 0.000+/-0.000 χ²/NDF: 5.4/5
Right: 0.000+/-0.000 χ²/NDF: 34.6/34
In: 0.000+/-0.000 χ²/NDF:11.2/17
Out: 0.000+/-0.000 χ²/NDF:28.8/22
All: 0.000+/-0.000 χ²/NDF: 40.5/40


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:473522.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:78.0/1
Left: 0.000+/-0.000 χ²/NDF: 679392.2/5
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2300628.4/17
Out: 0.000+/-0.000 χ²/NDF:4824733.0/22
All: 0.000+/-0.000 χ²/NDF: 7658591.4/40



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.107+/-34.399 χ^2/NDF:3.0/3

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: -170.519+/-26.794 χ^2/NDF: 3.8/5

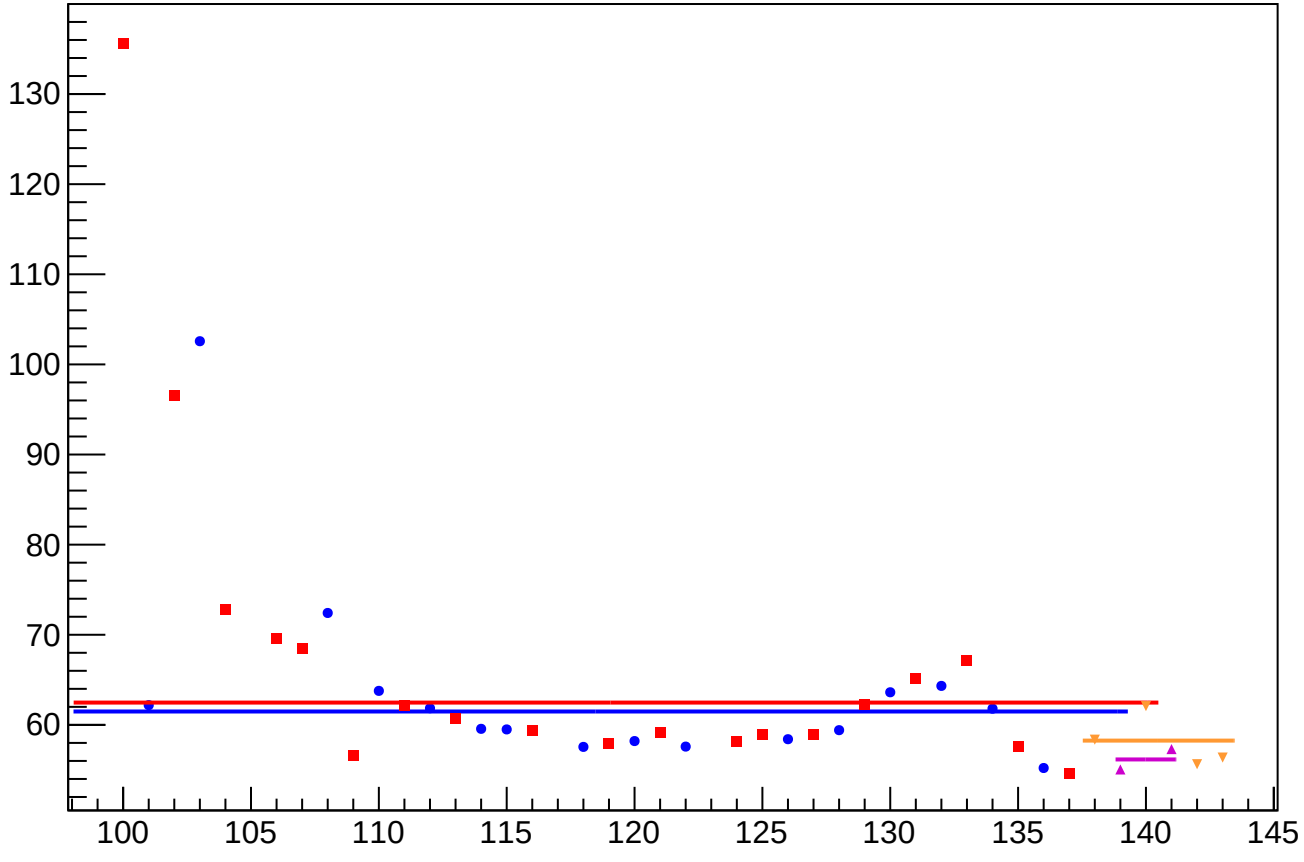
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -209.498+/-20.333 χ^2/NDF:25.3/17

Out: -149.245+/-19.230 χ^2/NDF:49.5/22

All: -177.692+/-13.971 χ^2/NDF: 79.5/40

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

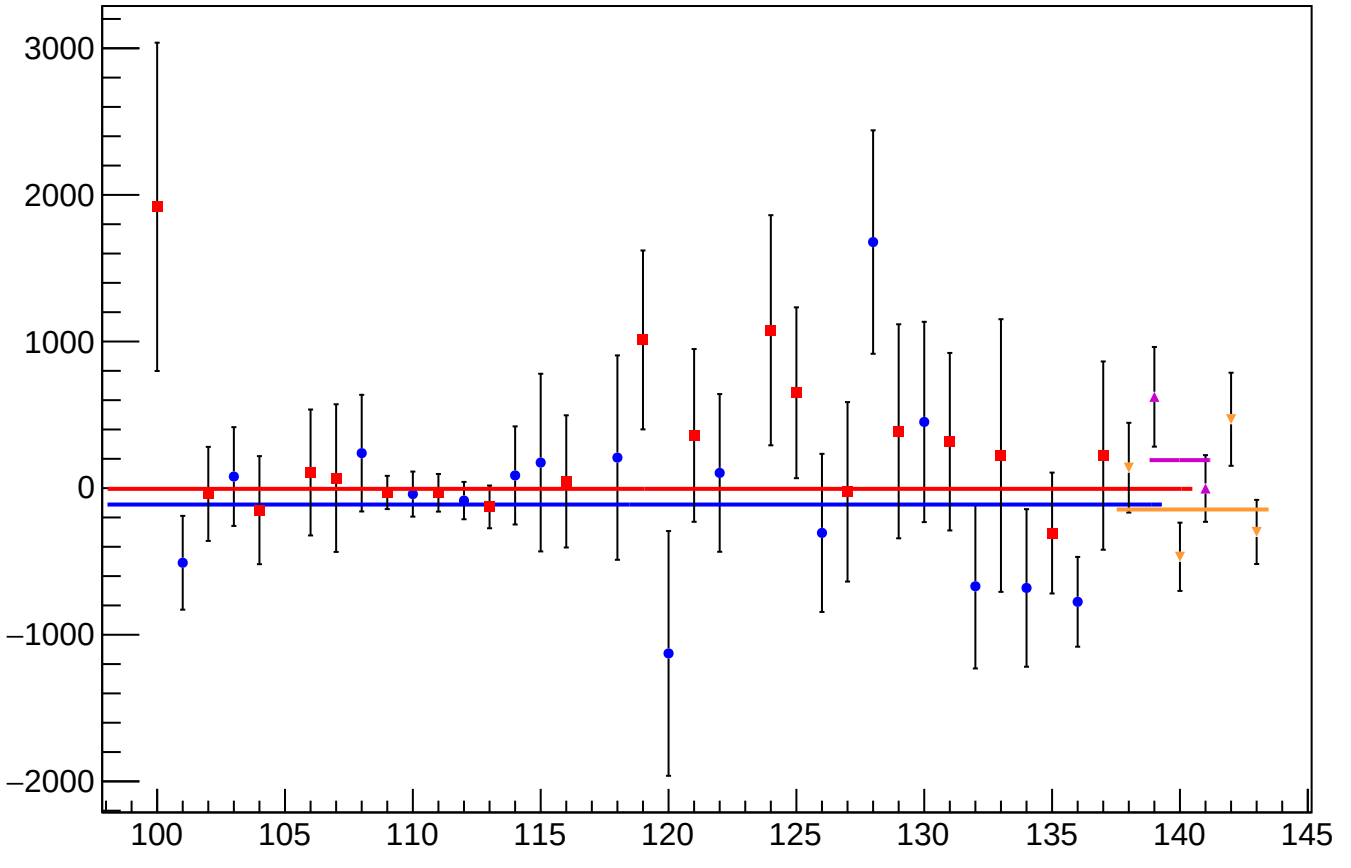
Left: 57.434+/-0.019 χ^2/NDF: 14455.9/5

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 60.281+/-0.014 χ^2/NDF:276059.1/17

Out: 61.157+/-0.014 χ^2/NDF:311991.4/22

All: 60.743+/-0.010 χ^2/NDF: 590010.7/40



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -145.669+/-129.171 χ^2/NDF:7.0/3

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 190.958+/-188.997 χ^2/NDF:2.3/1

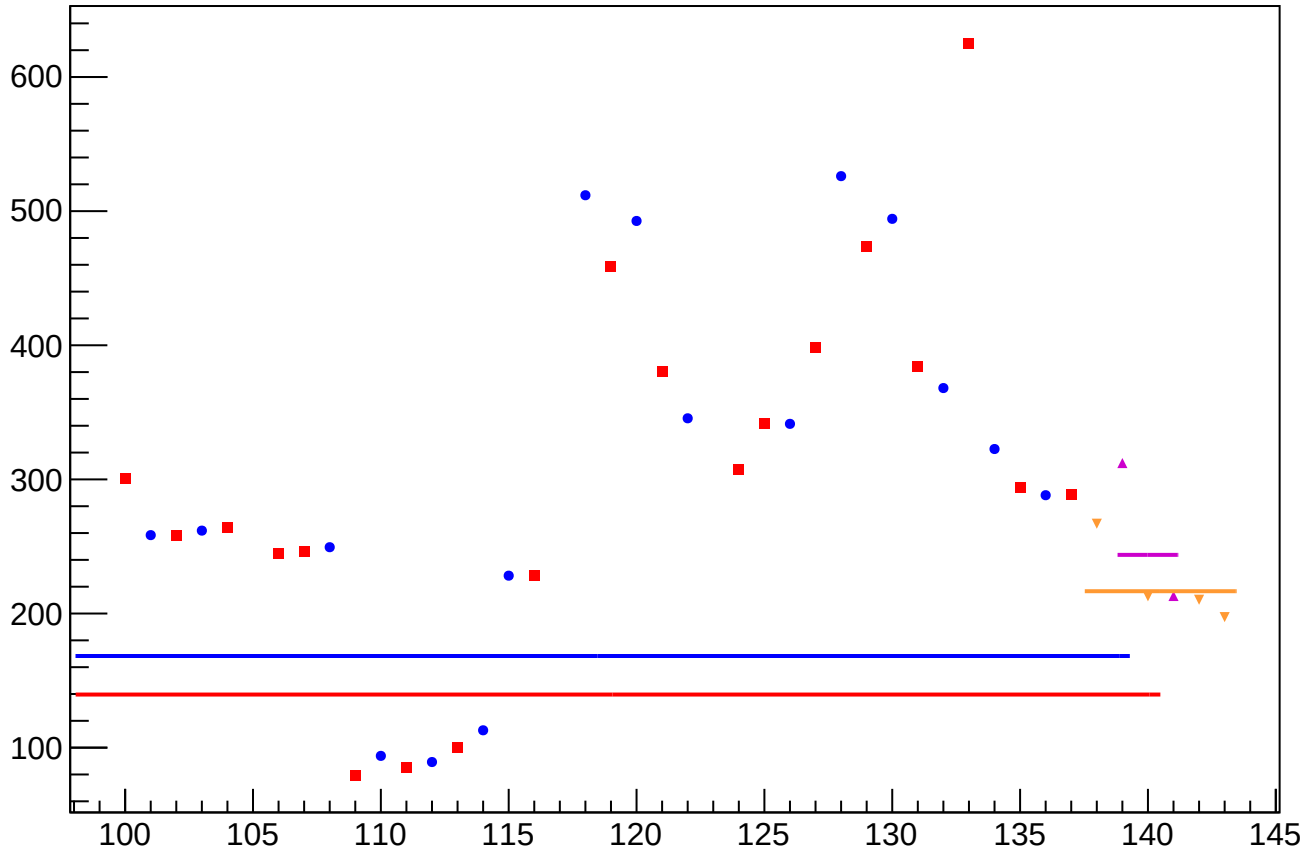
Left: -38.490+/-106.643 χ^2/NDF: 11.5/5

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -69.527+/-70.682 χ^2/NDF:23.0/17

Out: -32.593+/-57.298 χ^2/NDF:19.6/22

All: -47.240+/-44.510 χ^2/NDF: 42.8/40



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70974.2/3

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 243.728+/-0.134 χ^2/NDF:117467.4/1

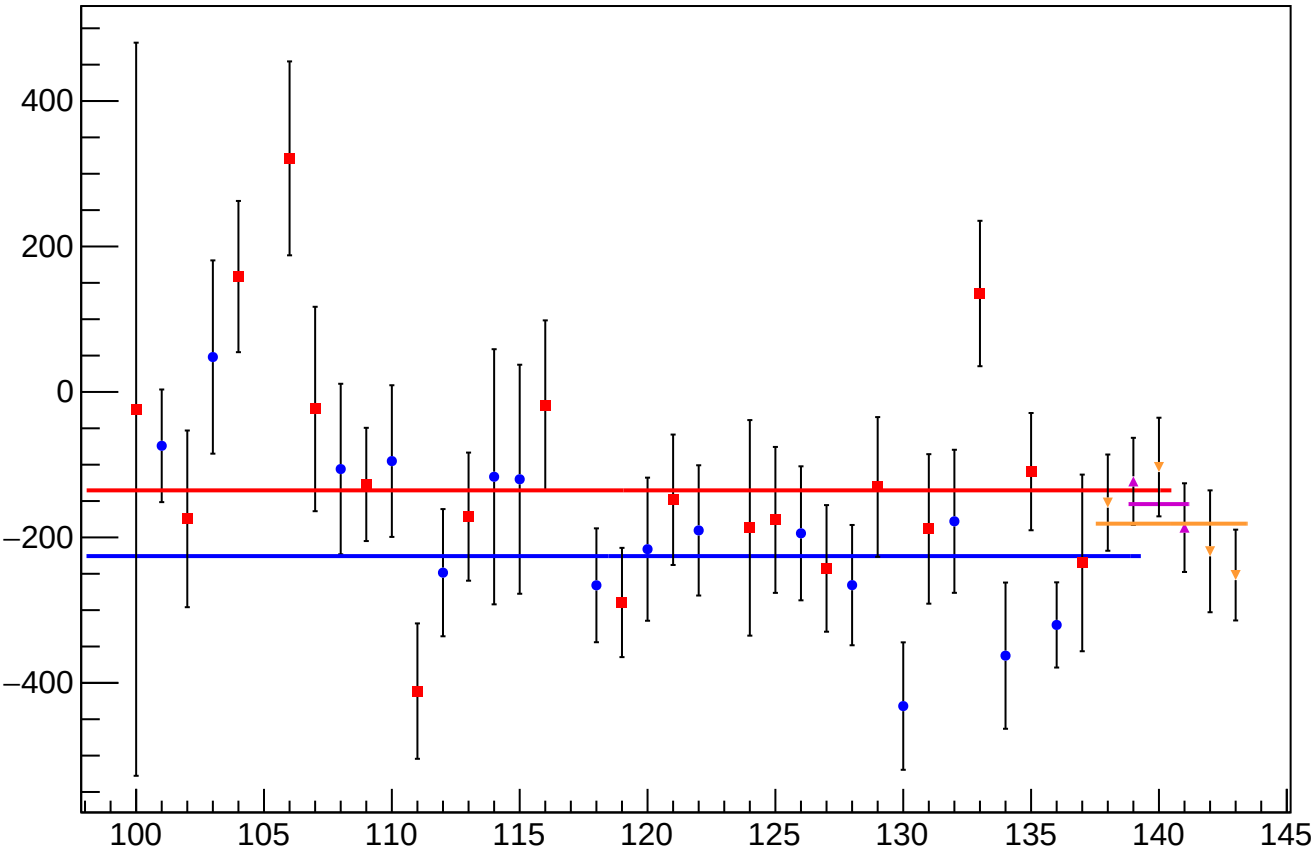
Left: 225.261+/-0.075 χ^2/NDF: 216457.8/5

Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 178.875+/-0.050 χ^2/NDF:4935302.8/17

Out: 154.753+/-0.041 χ^2/NDF:5796578.1/22

All: 164.319+/-0.031 χ^2/NDF: 10872451.8/40



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.102+/-34.399 χ^2/NDF:3.0/3

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: -170.517+/-26.794 χ^2/NDF: 3.8/5

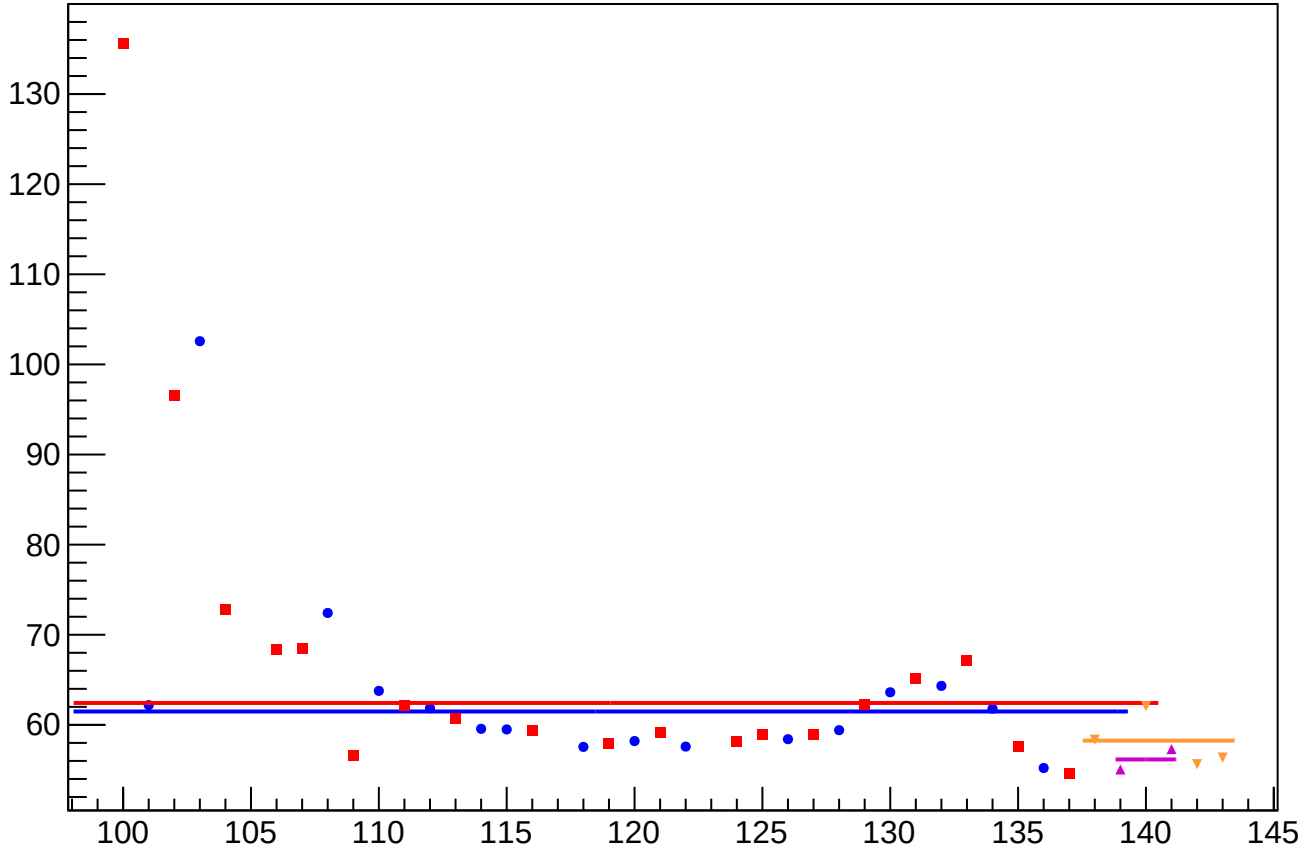
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -209.499+/-20.333 χ^2/NDF:25.3/17

Out: -149.632+/-19.237 χ^2/NDF:49.1/22

All: -177.909+/-13.974 χ^2/NDF: 79.0/40

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

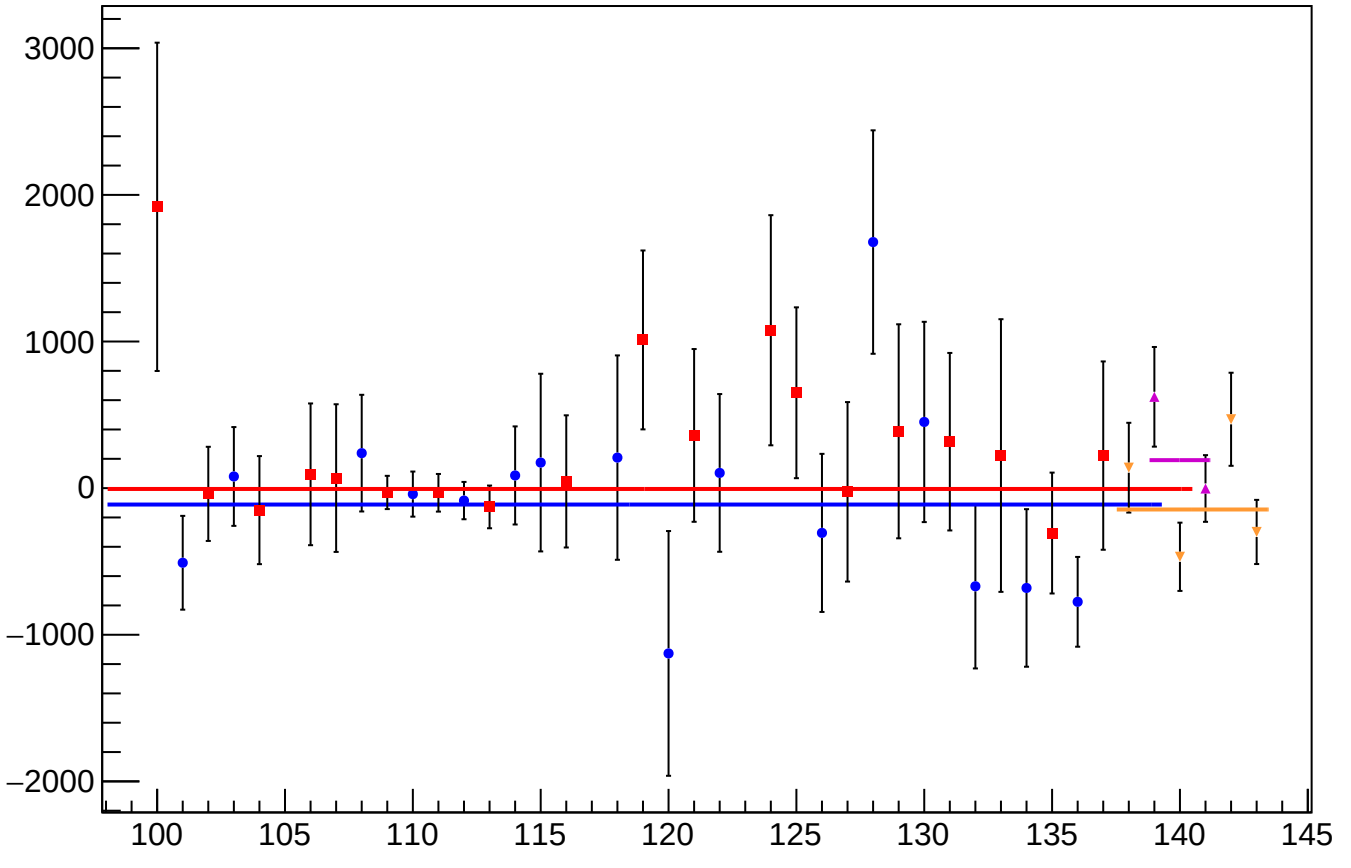
Left: 57.434+/-0.019 χ^2/NDF: 14455.9/5

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 60.281+/-0.014 χ^2/NDF:276061.7/17

Out: 61.126+/-0.014 χ^2/NDF:309824.2/22

All: 60.727+/-0.010 χ^2/NDF: 587710.7/40



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -145.666+/-129.171 χ^2/NDF:7.0/3

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 190.950+/-188.997 χ^2/NDF:2.3/1

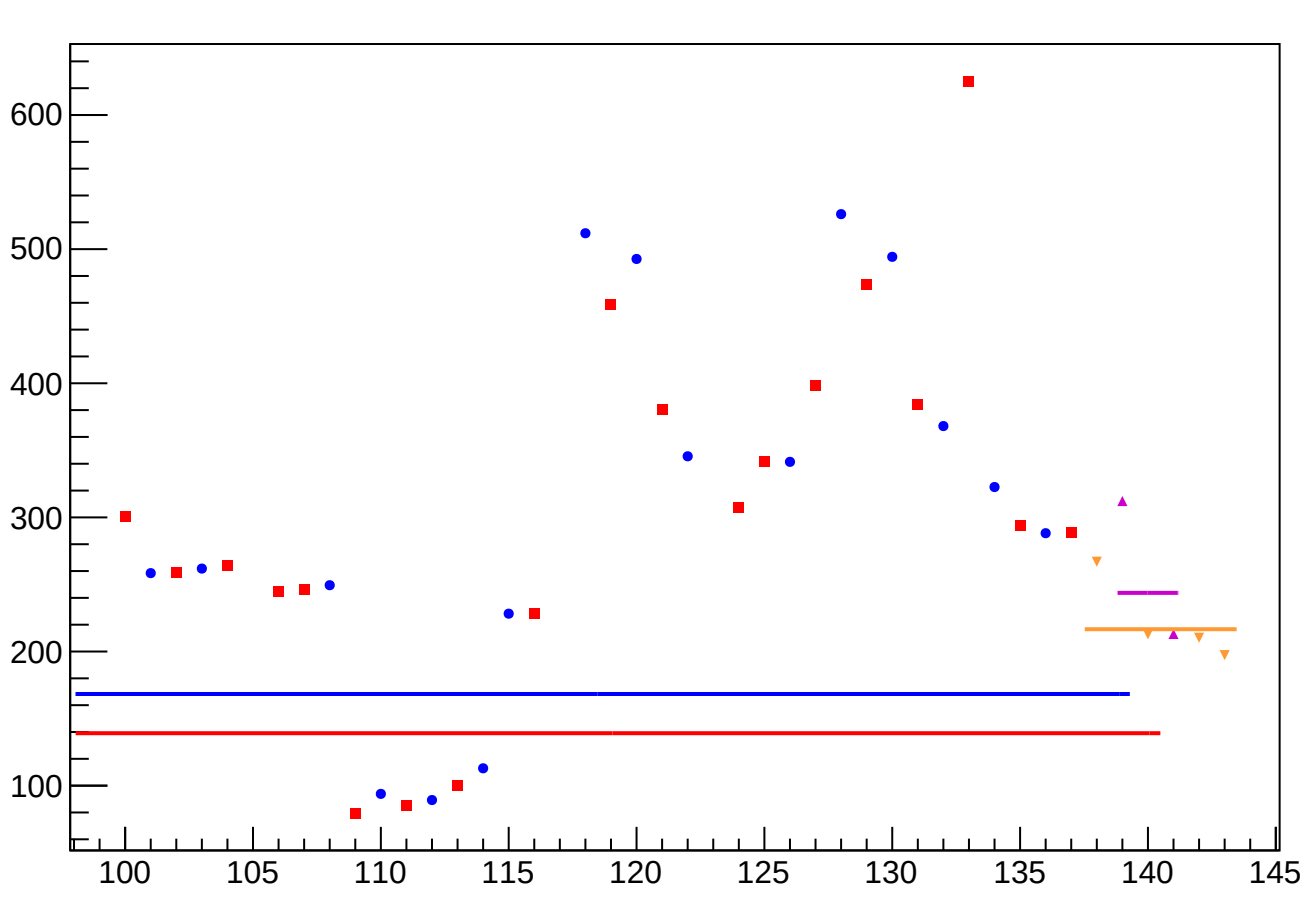
Left: -38.491+/-106.643 χ^2/NDF: 11.5/5

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -69.513+/-70.682 χ^2/NDF:23.0/17

Out: -33.279+/-57.408 χ^2/NDF:19.6/22

All: -47.680+/-44.562 χ^2/NDF: 42.8/40



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70972.9/3

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 243.728+/-0.134 χ^2/NDF:117467.1/1

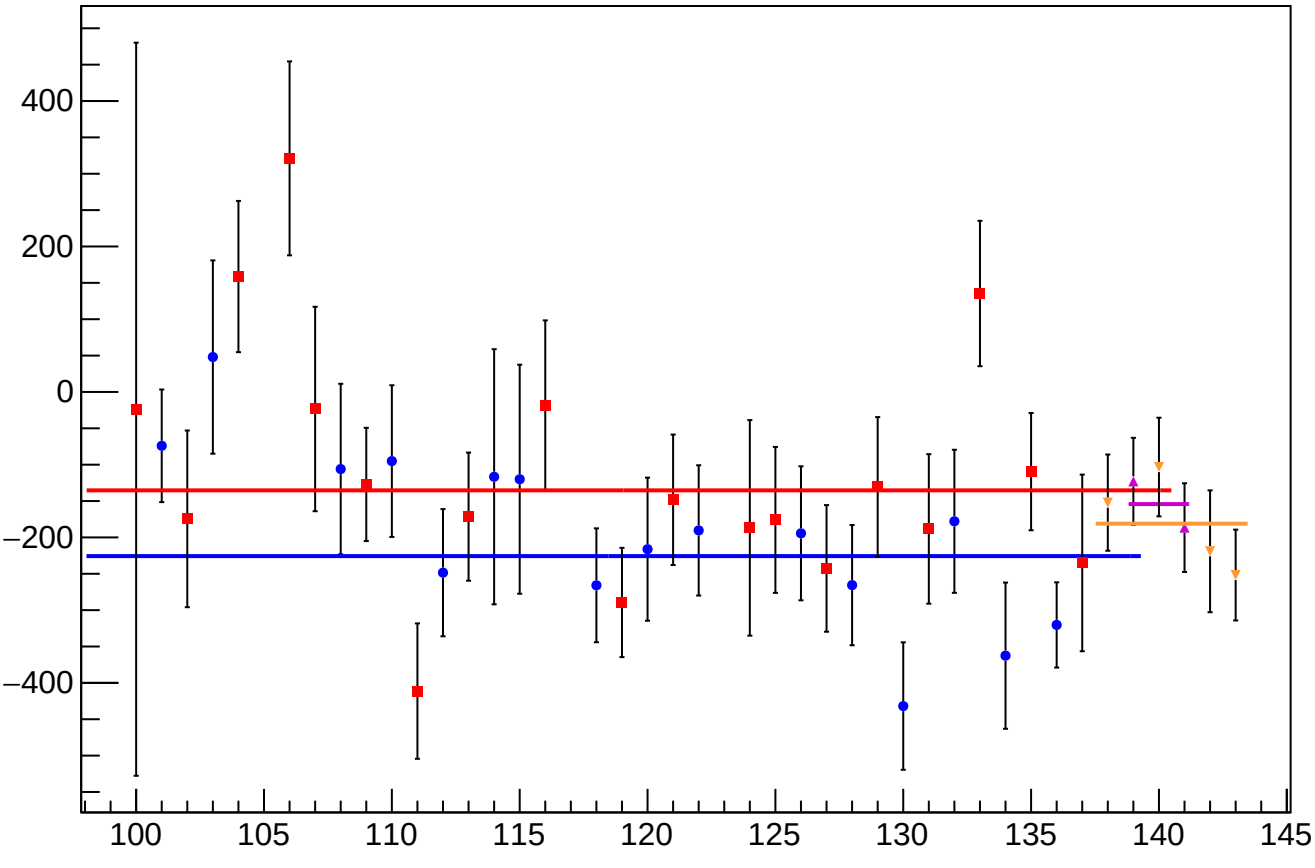
Left: 225.260+/-0.075 χ^2/NDF: 216457.3/5

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 178.876+/-0.050 χ^2/NDF:4935355.7/17

Out: 154.418+/-0.041 χ^2/NDF:5779164.0/22

All: 164.139+/-0.032 χ^2/NDF: 10858798.5/40



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.102+/-34.399 χ^2/NDF:3.0/3

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: -170.517+/-26.794 χ^2/NDF: 3.8/5

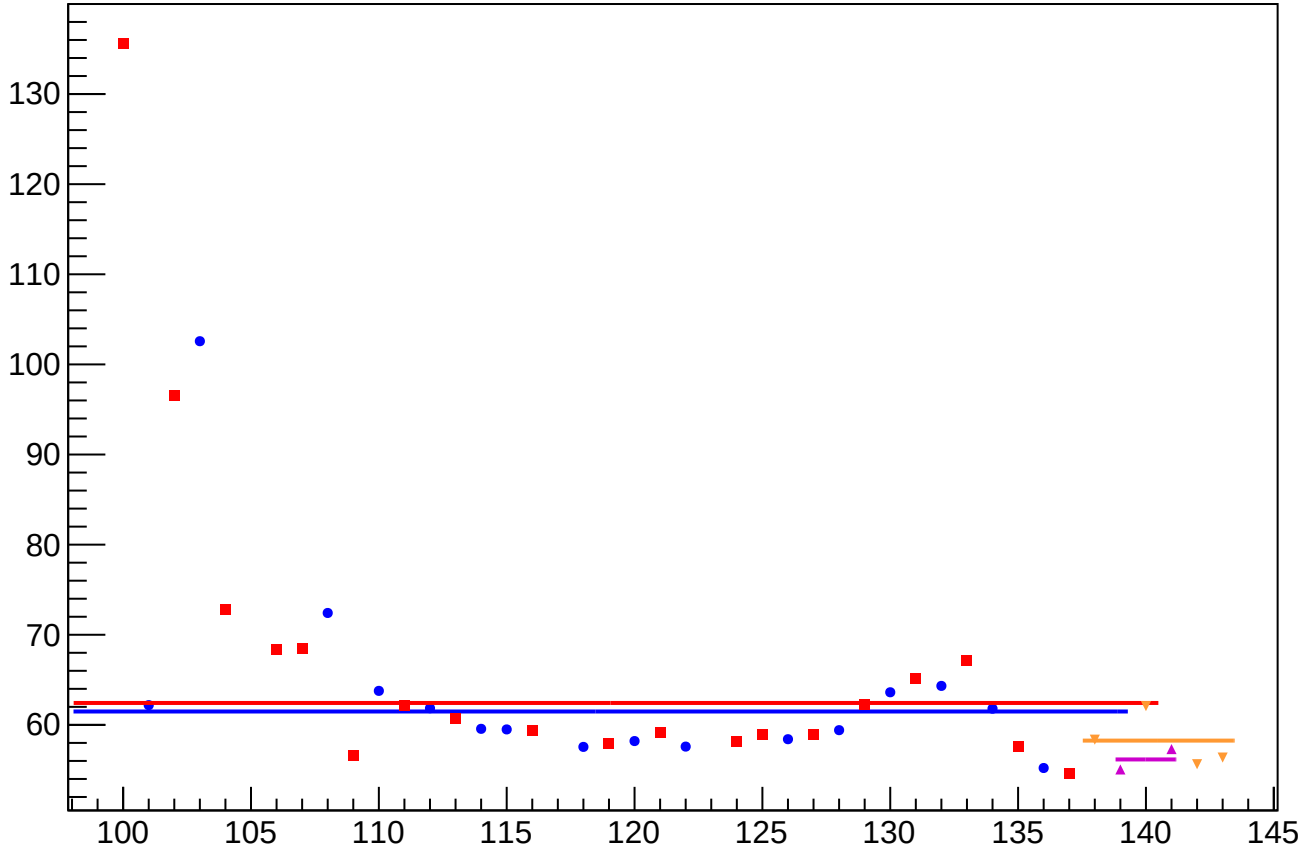
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -209.499+/-20.333 χ^2/NDF:25.3/17

Out: -149.632+/-19.237 χ^2/NDF:49.1/22

All: -177.909+/-13.974 χ^2/NDF: 79.0/40

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 58.256+/-0.024 χ^2/NDF:10151.7/3

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.165+/-0.030 χ^2/NDF:1398.1/1

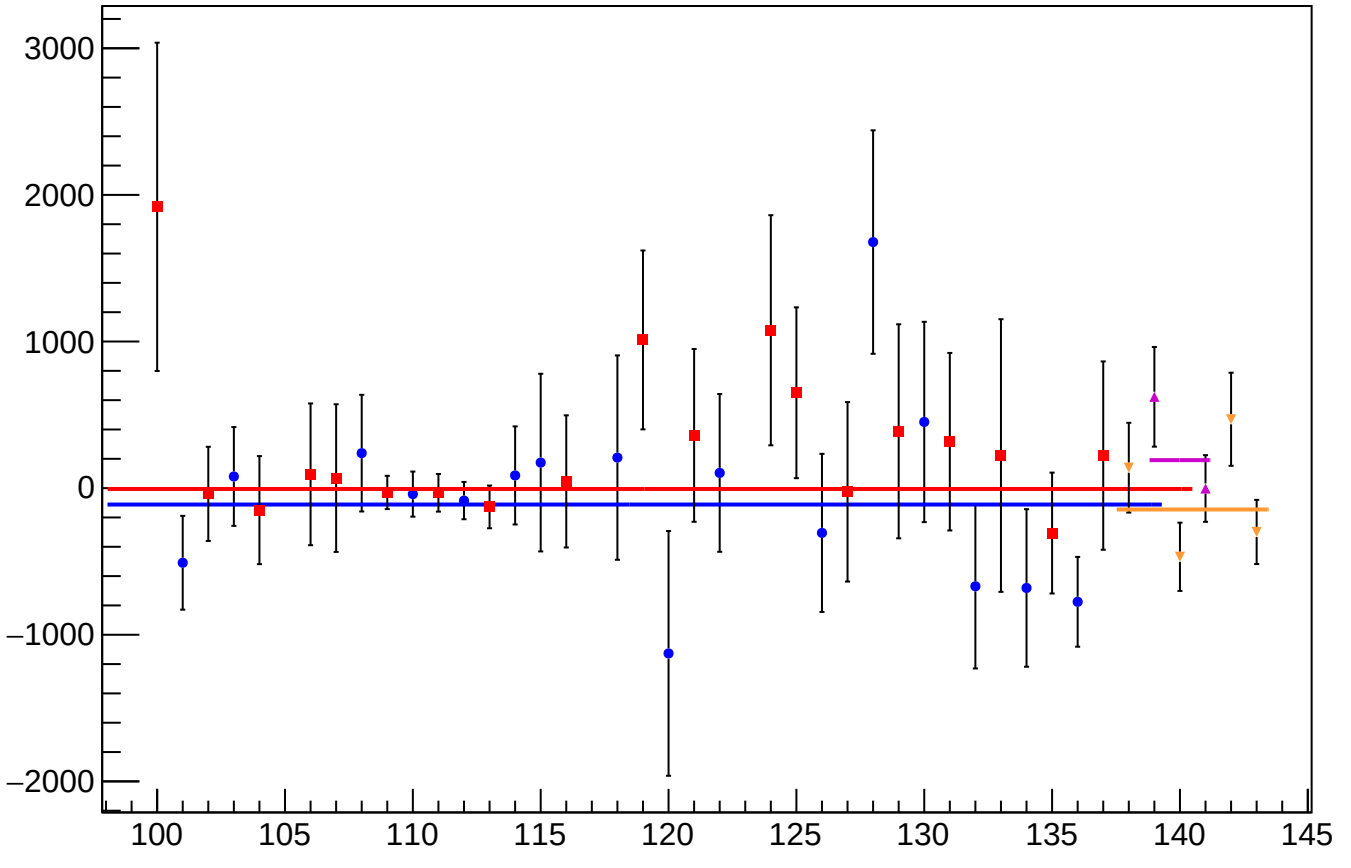
Left: 57.434+/-0.019 χ^2/NDF: 14455.9/5

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 60.281+/-0.014 χ^2/NDF:276061.7/17

Out: 61.126+/-0.014 χ^2/NDF:309824.2/22

All: 60.727+/-0.010 χ^2/NDF: 587710.7/40



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -145.666+/-129.171 χ^2/NDF:7.0/3

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 190.950+/-188.997 χ^2/NDF:2.3/1

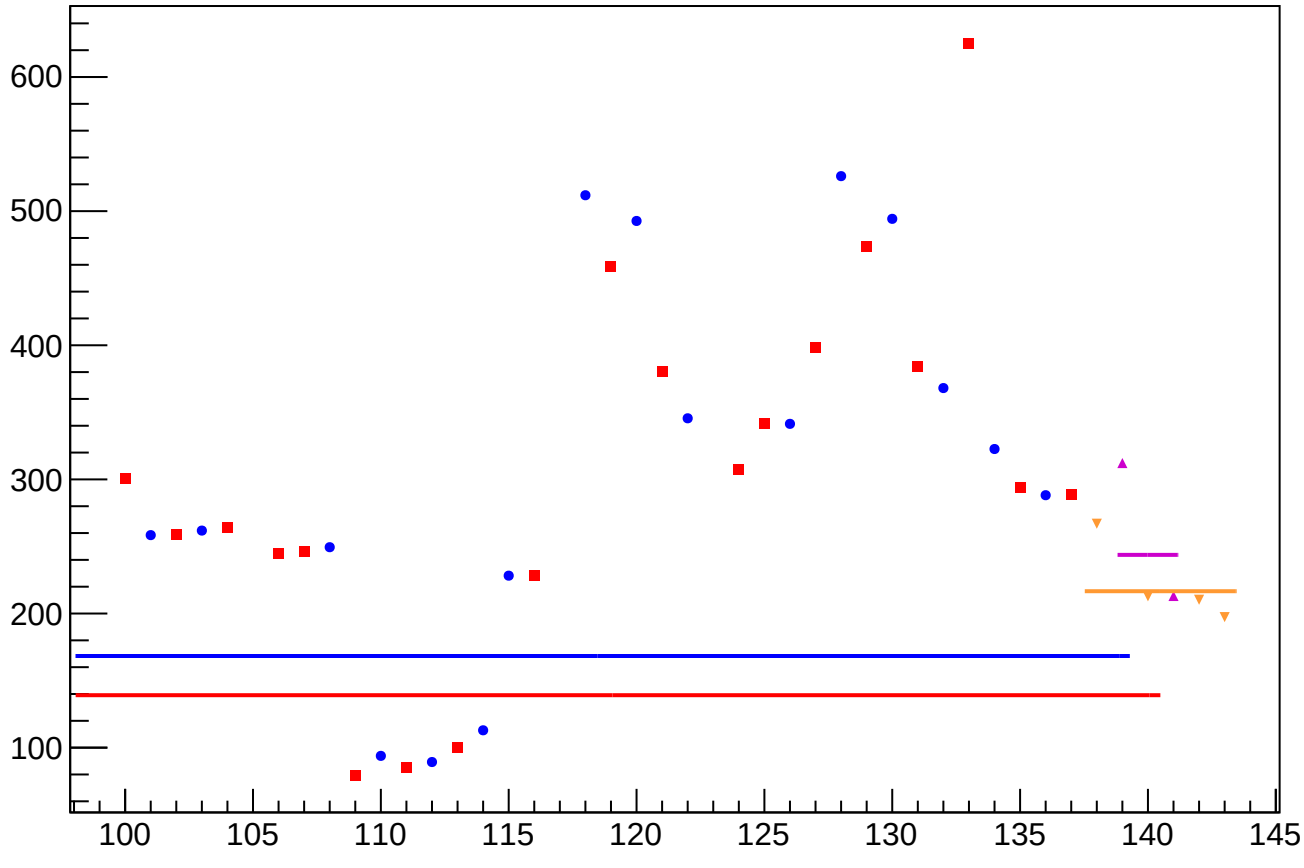
Left: -38.491+/-106.643 χ^2/NDF: 11.5/5

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -69.513+/-70.682 χ^2/NDF:23.0/17

Out: -33.279+/-57.408 χ^2/NDF:19.6/22

All: -47.680+/-44.562 χ^2/NDF: 42.8/40



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.634+/-0.091 χ^2/NDF:70972.9/3

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: 225.260+/-0.075 χ^2/NDF: 216457.3/5

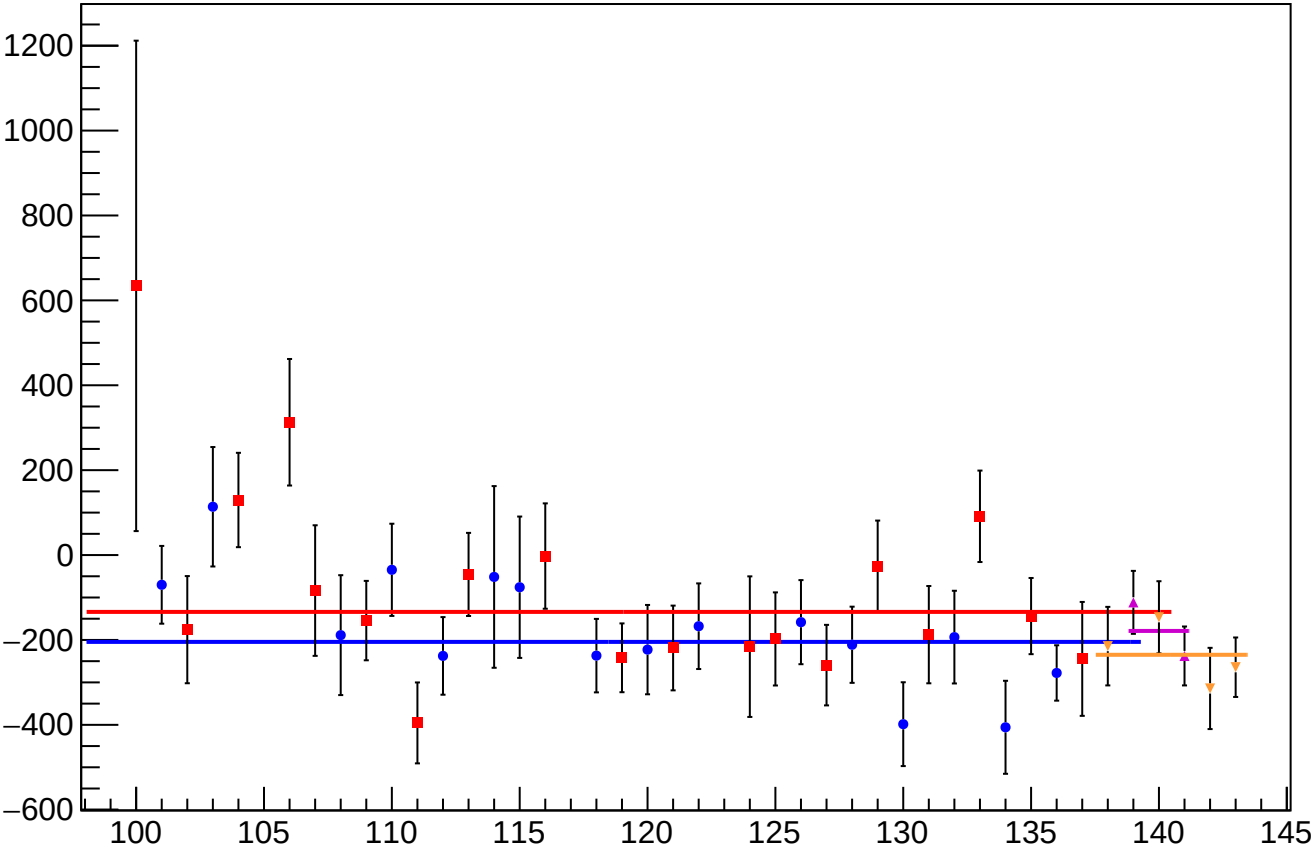
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 178.876+/-0.050 χ^2/NDF:4935355.7/17

Out: 154.418+/-0.041 χ^2/NDF:5779164.0/22

All: 164.139+/-0.032 χ^2/NDF: 10858798.5/40

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -234.964+/-41.944 χ^2/NDF:2.0/3

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: -212.119+/-32.312 χ^2/NDF: 4.3/5

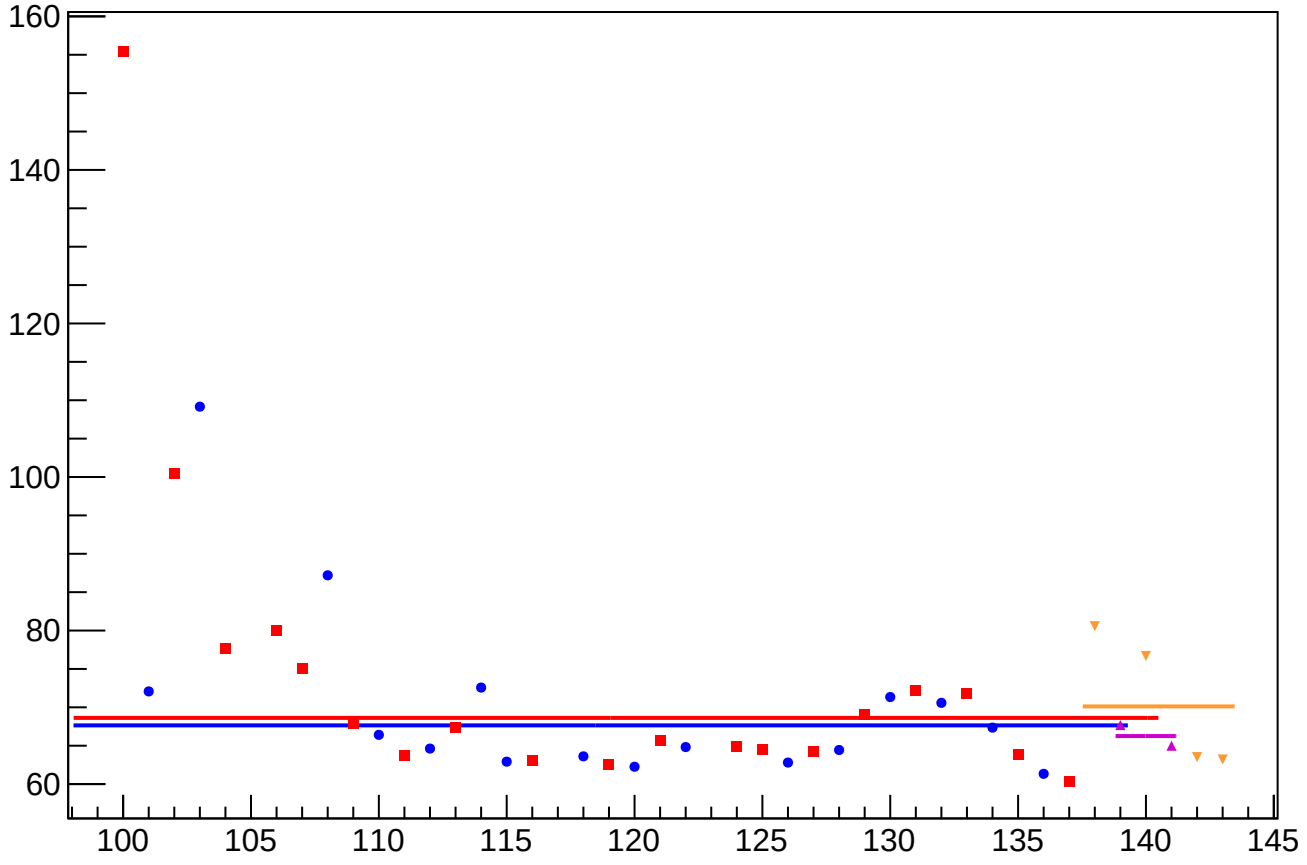
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -199.355+/-22.795 χ^2/NDF:21.7/17

Out: -161.166+/-21.779 χ^2/NDF:43.5/22

All: -179.390+/-15.747 χ^2/NDF: 66.7/40

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 70.120+/-0.030 χ^2/NDF:66511.3/3

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.258+/-0.036 χ^2/NDF:1408.6/1

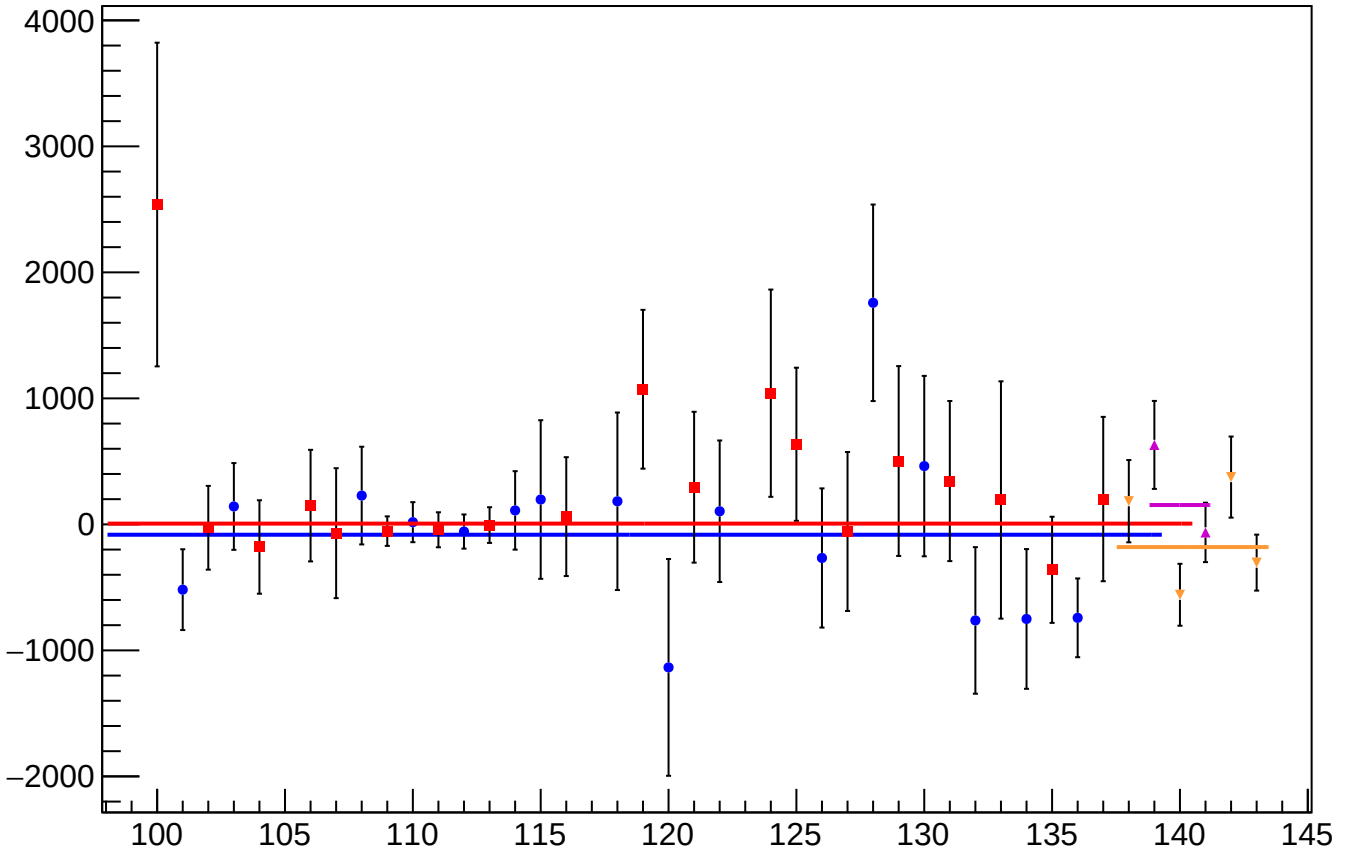
Left: 68.550+/-0.023 χ^2/NDF: 74812.7/5

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.366+/-0.016 χ^2/NDF:266278.2/17

Out: 69.027+/-0.015 χ^2/NDF:316533.2/22

All: 68.235+/-0.011 χ^2/NDF: 588362.4/40



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -180.012+/-133.787 χ^2/NDF:6.9/3

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 153.535+/-195.350 χ^2/NDF:2.7/1

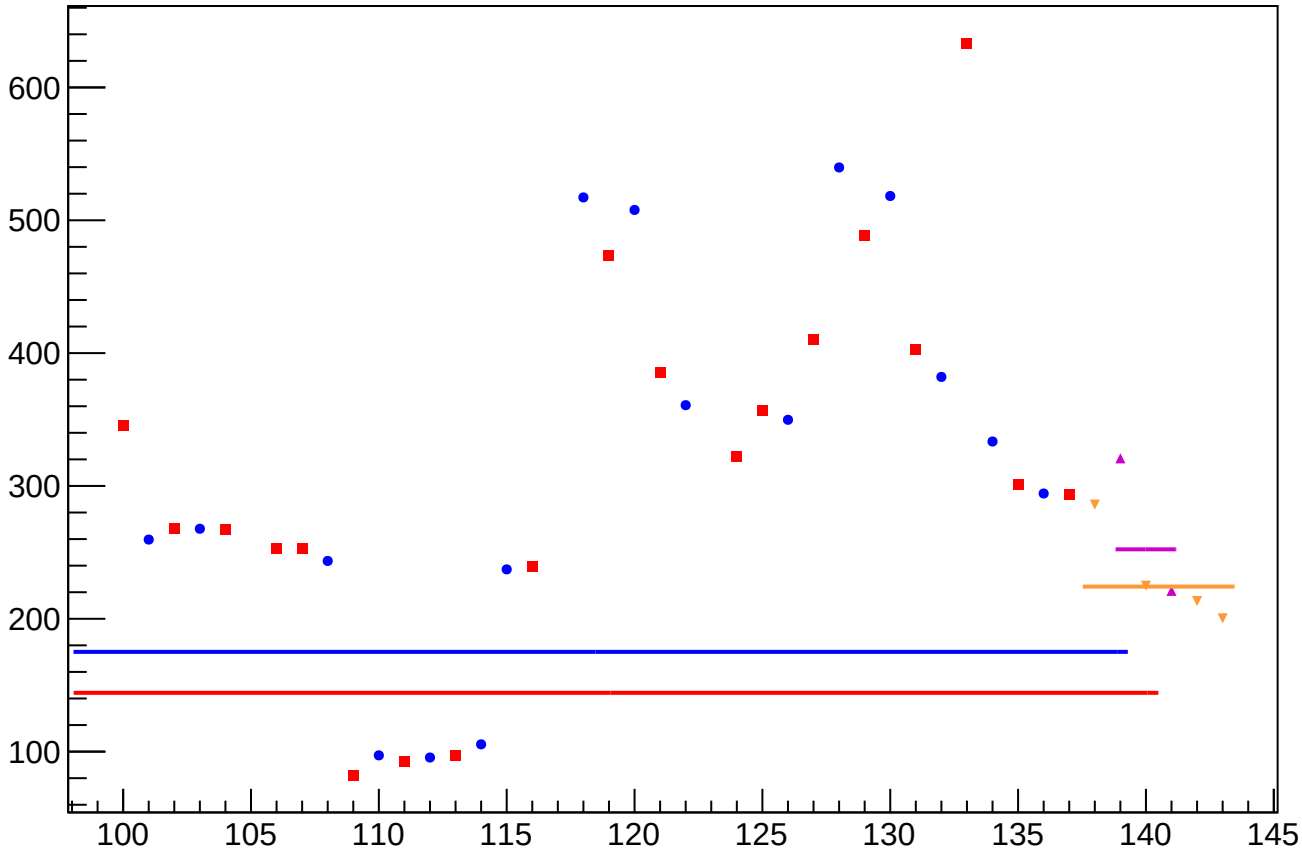
Left: -73.518+/-110.382 χ^2/NDF: 11.6/5

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -49.323+/-72.980 χ^2/NDF:23.2/17

Out: -30.278+/-59.125 χ^2/NDF:20.5/22

All: -37.825+/-45.940 χ^2/NDF: 43.7/40



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 224.239+/-0.095 χ^2/NDF:96897.8/3

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: 233.191+/-0.078 χ^2/NDF: 237110.8/5

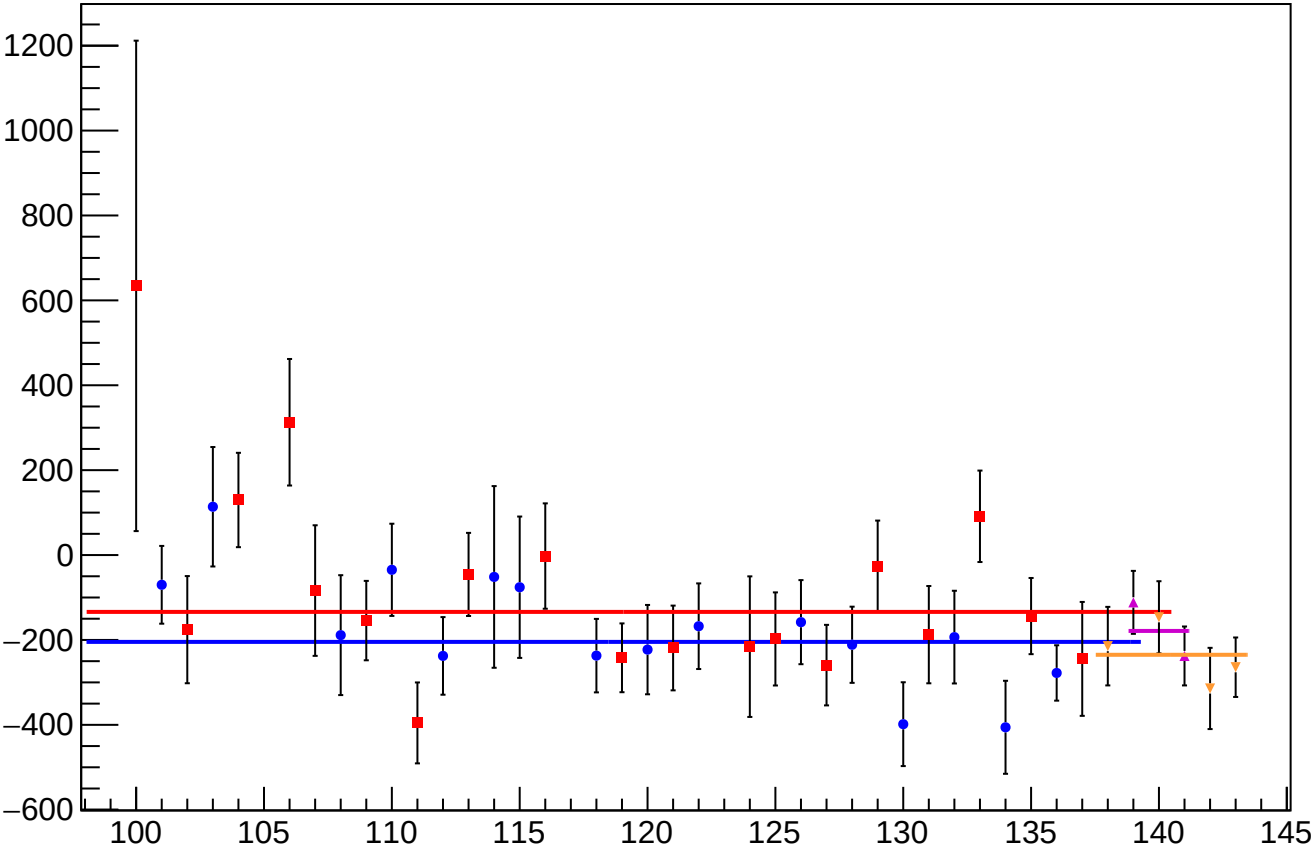
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 185.871+/-0.052 χ^2/NDF:4809846.3/17

Out: 159.893+/-0.042 χ^2/NDF:5804252.9/22

All: 170.187+/-0.032 χ^2/NDF: 10767093.2/40

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -234.965+/-41.944 χ^2/NDF:2.0/3

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: -212.119+/-32.312 χ^2/NDF: 4.3/5

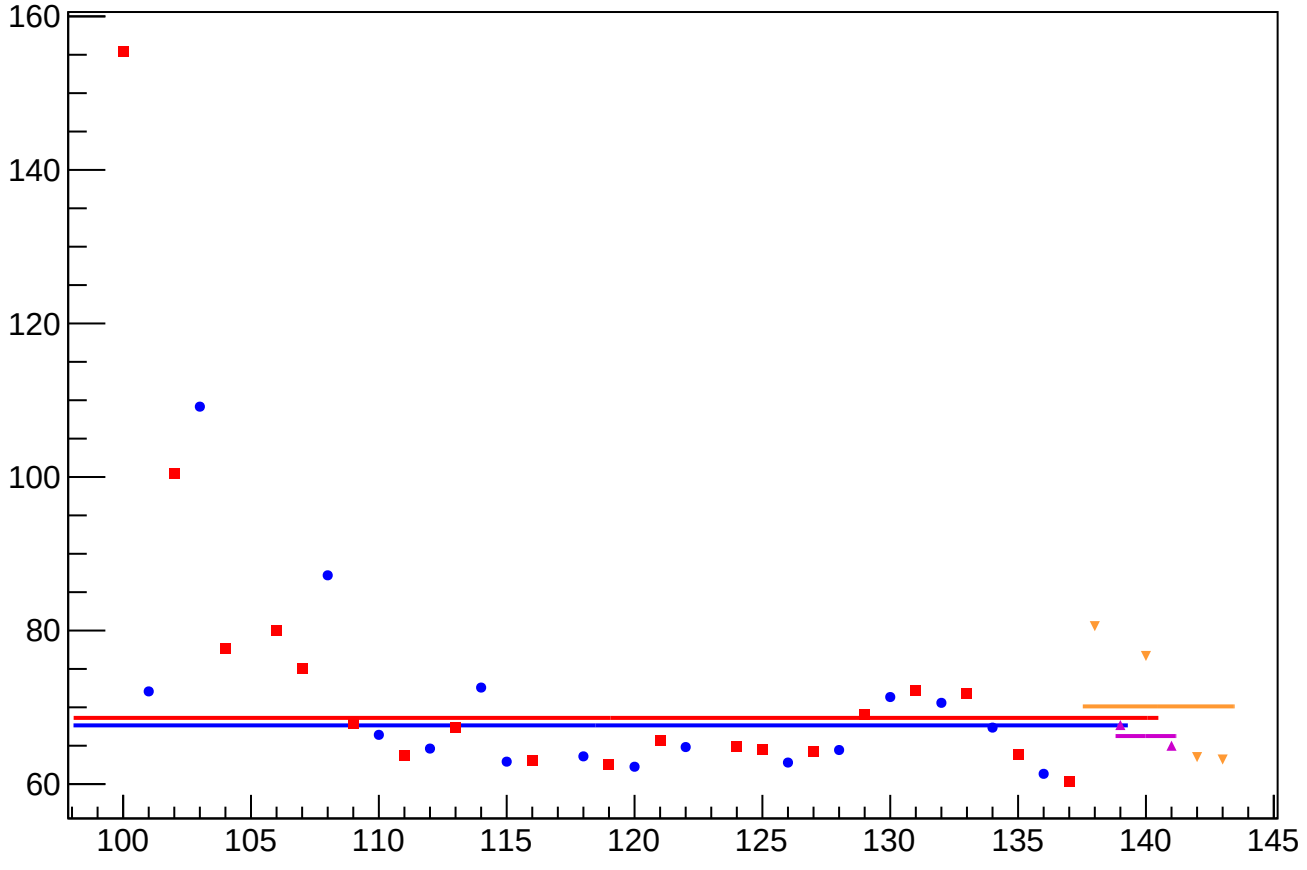
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -199.355+/-22.795 χ^2/NDF:21.7/17

Out: -161.167+/-21.779 χ^2/NDF:43.5/22

All: -179.391+/-15.747 χ^2/NDF: 66.7/40

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 70.120+/-0.030 χ^2/NDF:66509.6/3

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: 68.550+/-0.023 χ^2/NDF: 74811.2/5

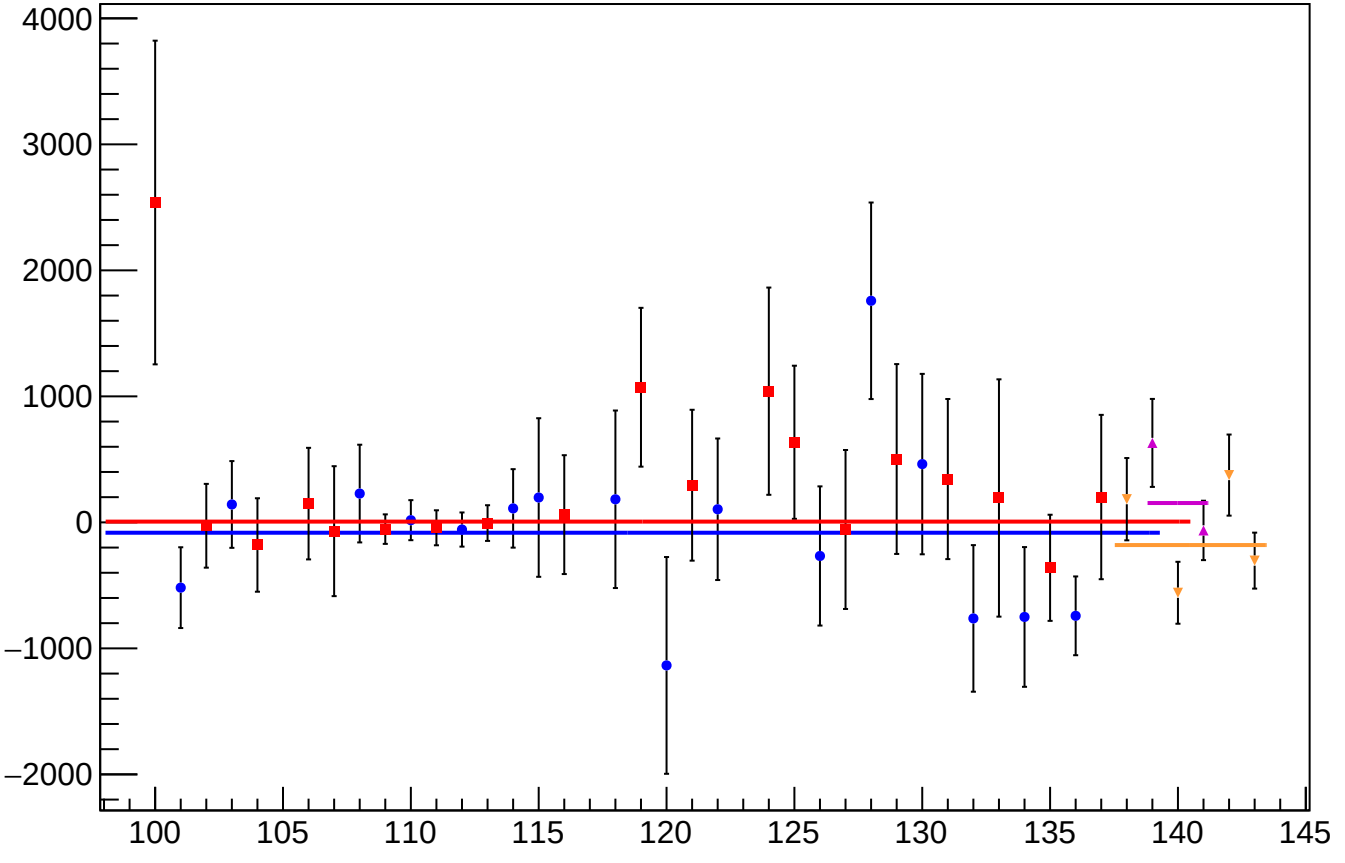
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.366+/-0.016 χ^2/NDF:266276.9/17

Out: 69.027+/-0.015 χ^2/NDF:316533.7/22

All: 68.234+/-0.011 χ^2/NDF: 588361.7/40

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -180.013+/-133.786 χ^2/NDF:6.9/3

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 153.536+/-195.349 χ^2/NDF:2.7/1

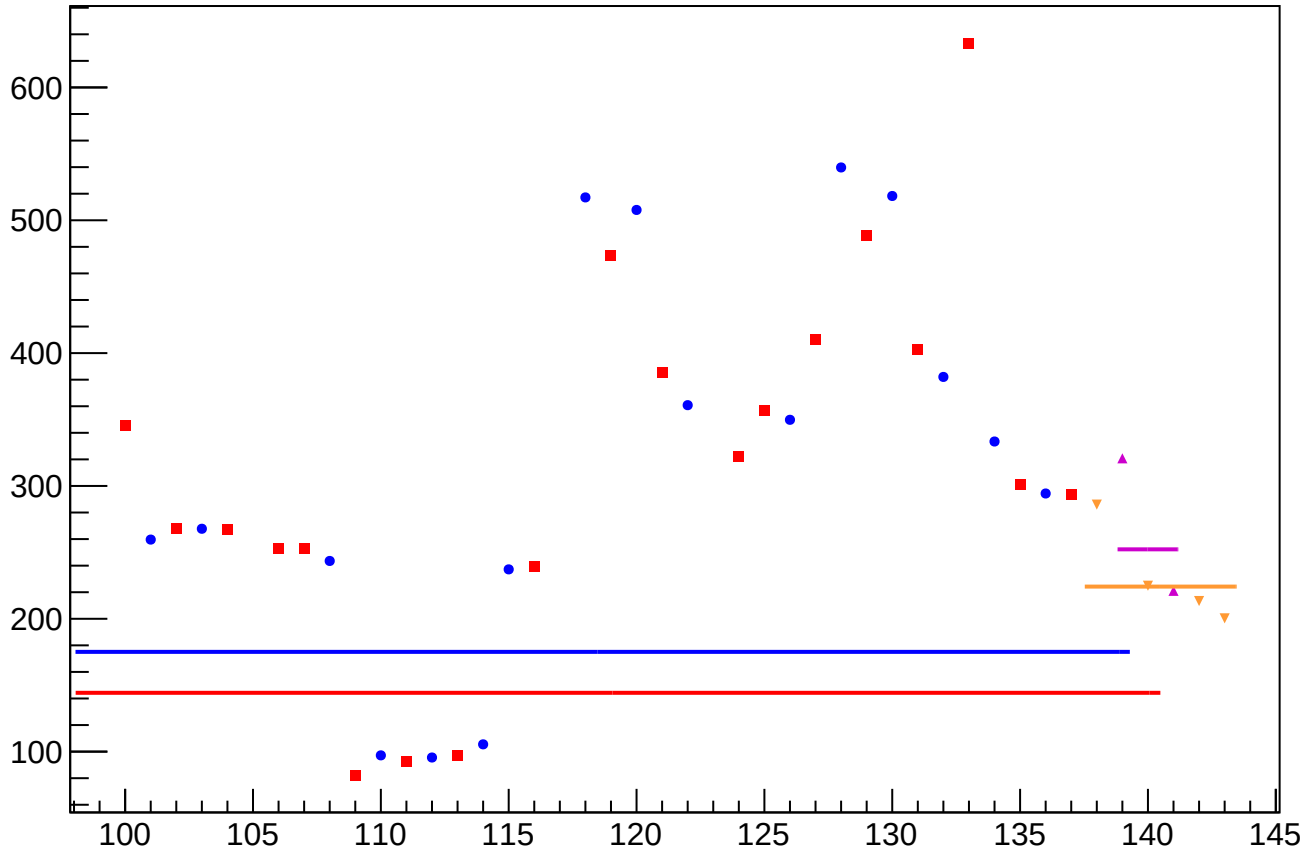
Left: -73.518+/-110.381 χ^2/NDF: 11.6/5

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -49.322+/-72.979 χ^2/NDF:23.2/17

Out: -30.279+/-59.124 χ^2/NDF:20.5/22

All: -37.825+/-45.940 χ^2/NDF: 43.7/40



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 224.238+/-0.095 χ^2/NDF:96897.8/3

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: 233.190+/-0.078 χ^2/NDF: 237110.3/5

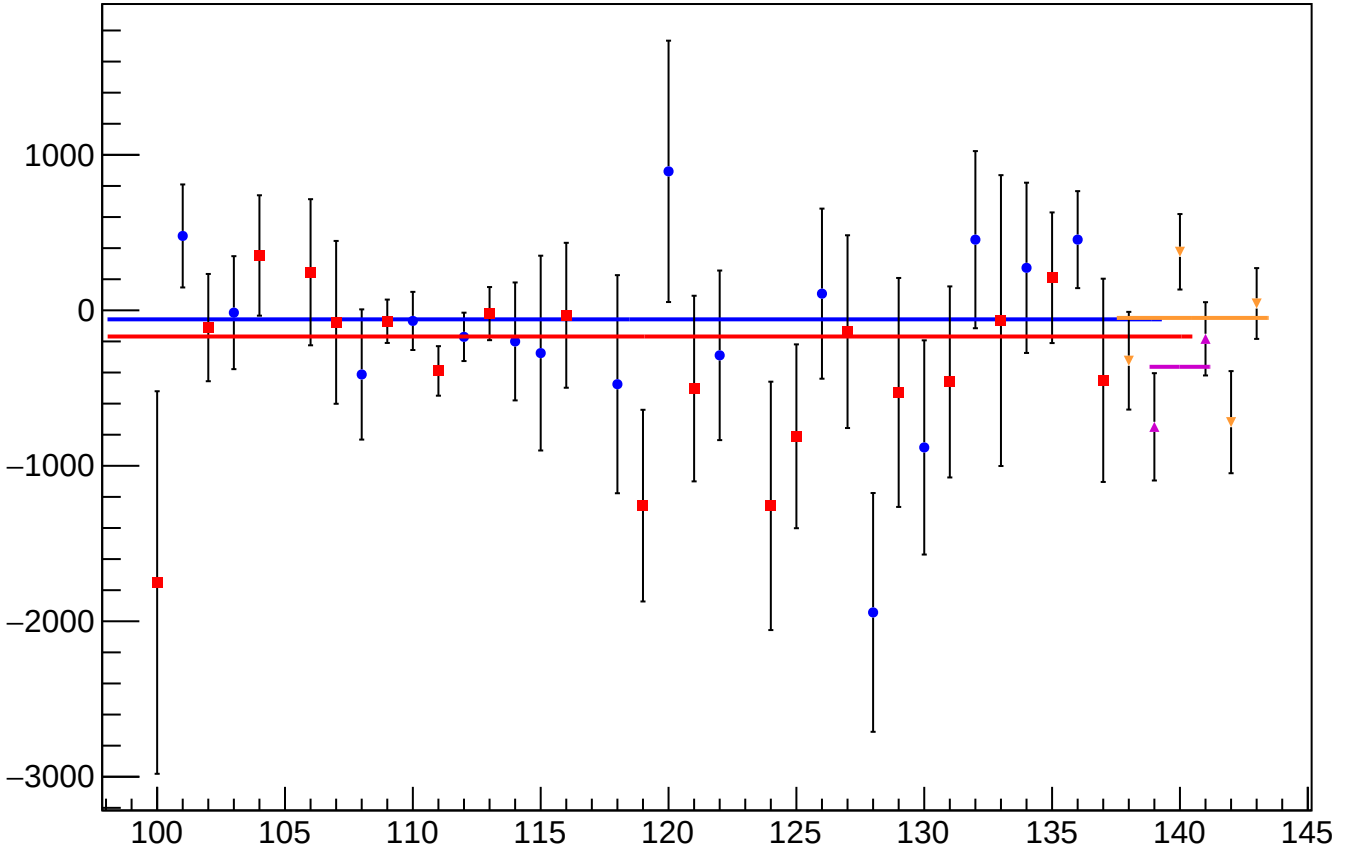
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 185.869+/-0.052 χ^2/NDF:4809872.3/17

Out: 159.893+/-0.042 χ^2/NDF:5804226.0/22

All: 170.186+/-0.032 χ^2/NDF: 10767082.4/40

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: -48.792+/-134.038 χ^2/NDF:8.2/3

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: -149.953+/-110.391 χ^2/NDF: 11.8/5

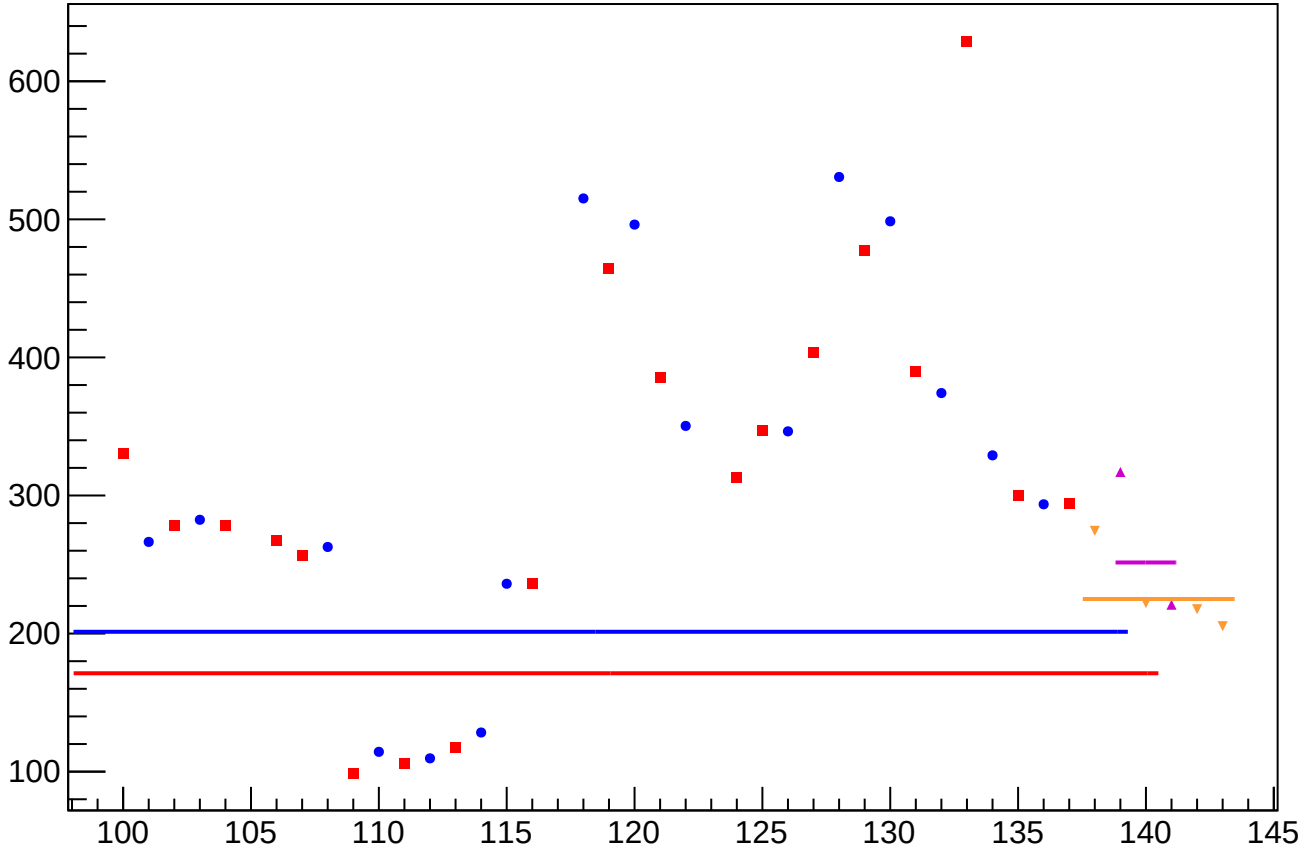
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -108.704+/-79.342 χ^2/NDF:21.3/17

Out: -140.054+/-65.183 χ^2/NDF:24.3/22

All: -127.421+/-50.366 χ^2/NDF: 45.6/40

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 225.043+/-0.095 χ^2/NDF:65701.6/3

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 251.493+/-0.138 χ^2/NDF:105768.5/1

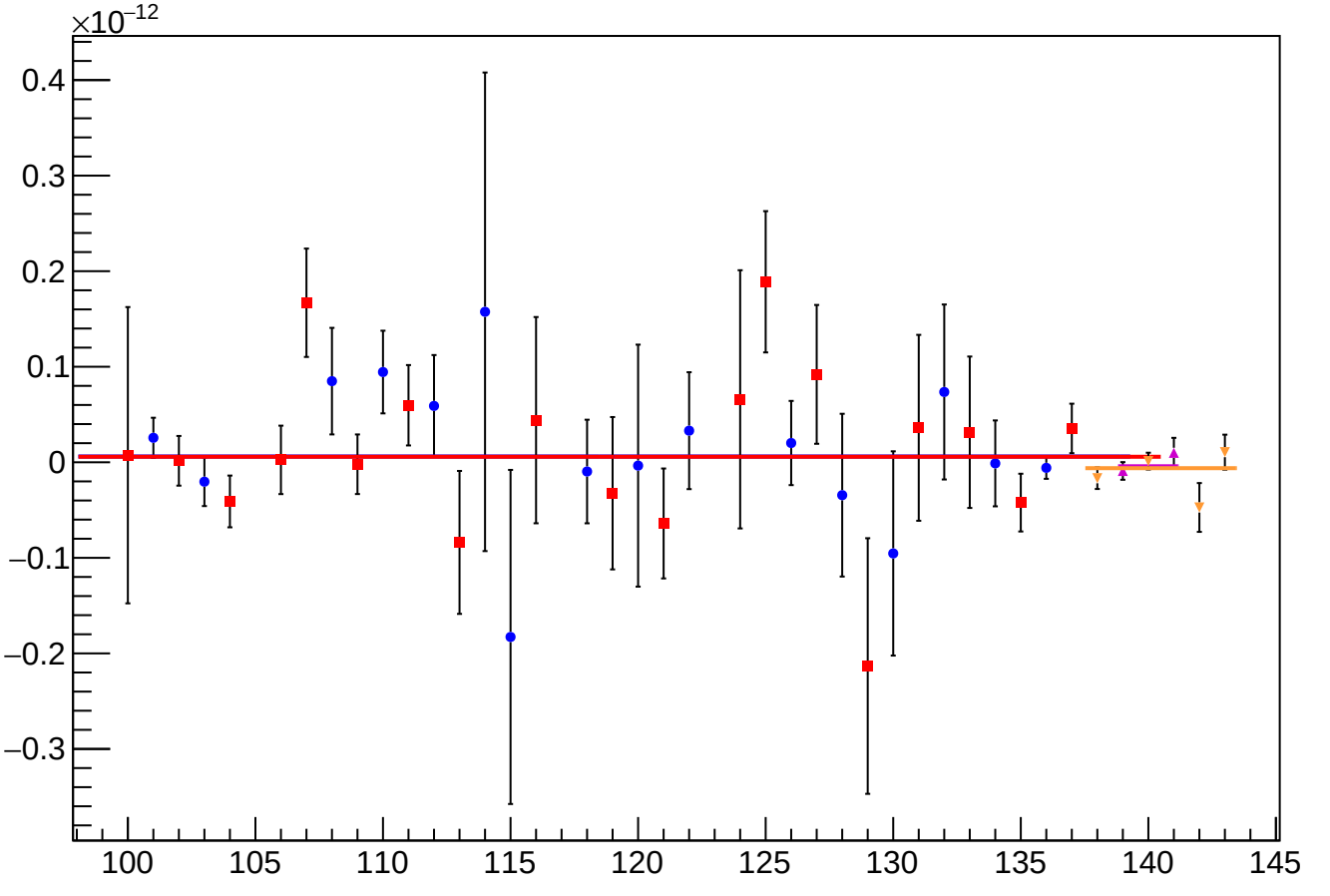
Left: 233.552+/-0.078 χ^2/NDF: 196525.7/5

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 209.643+/-0.056 χ^2/NDF:3788874.9/17

Out: 183.973+/-0.046 χ^2/NDF:4504185.3/22

All: 194.317+/-0.036 χ^2/NDF: 8418051.6/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/1

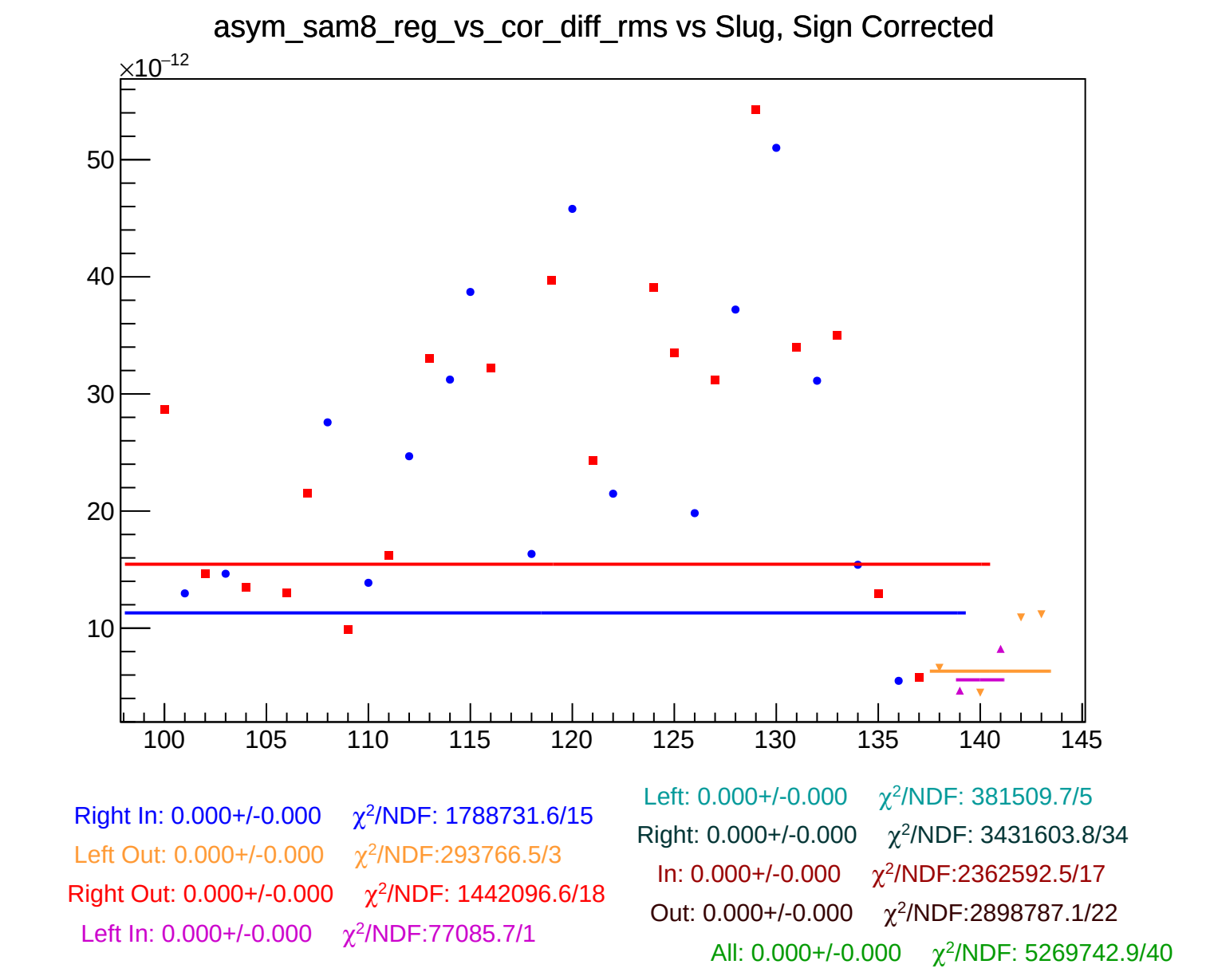
Left: -0.000+/-0.000 χ^2/NDF: 6.1/5

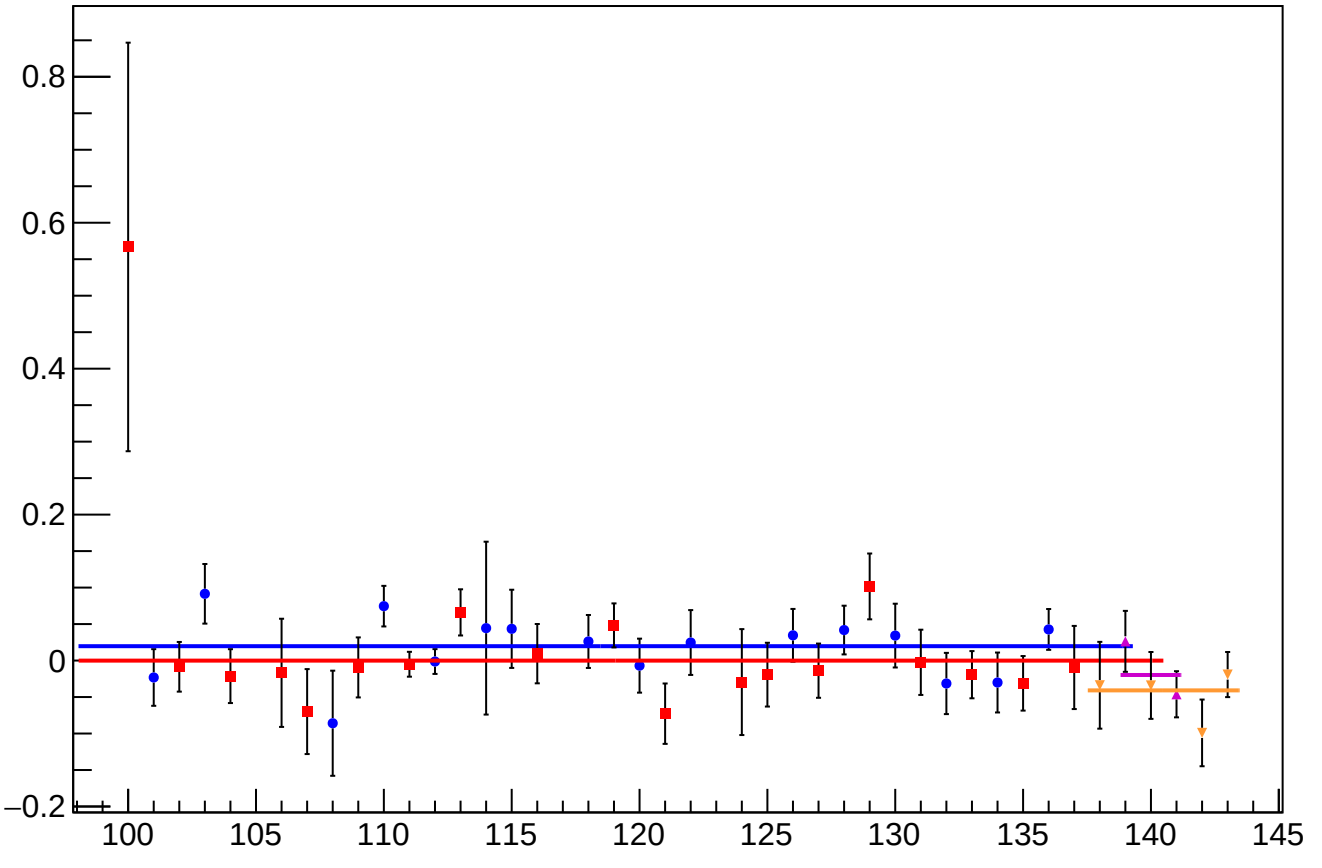
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:15.7/17

Out: -0.000+/-0.000 χ^2/NDF:36.5/22

All: -0.000+/-0.000 χ^2/NDF: 52.4/40


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:293766.5/3
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: 381509.7/5
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:2898787.1/22
All: 0.000+/-0.000 χ²/NDF: 5269742.9/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

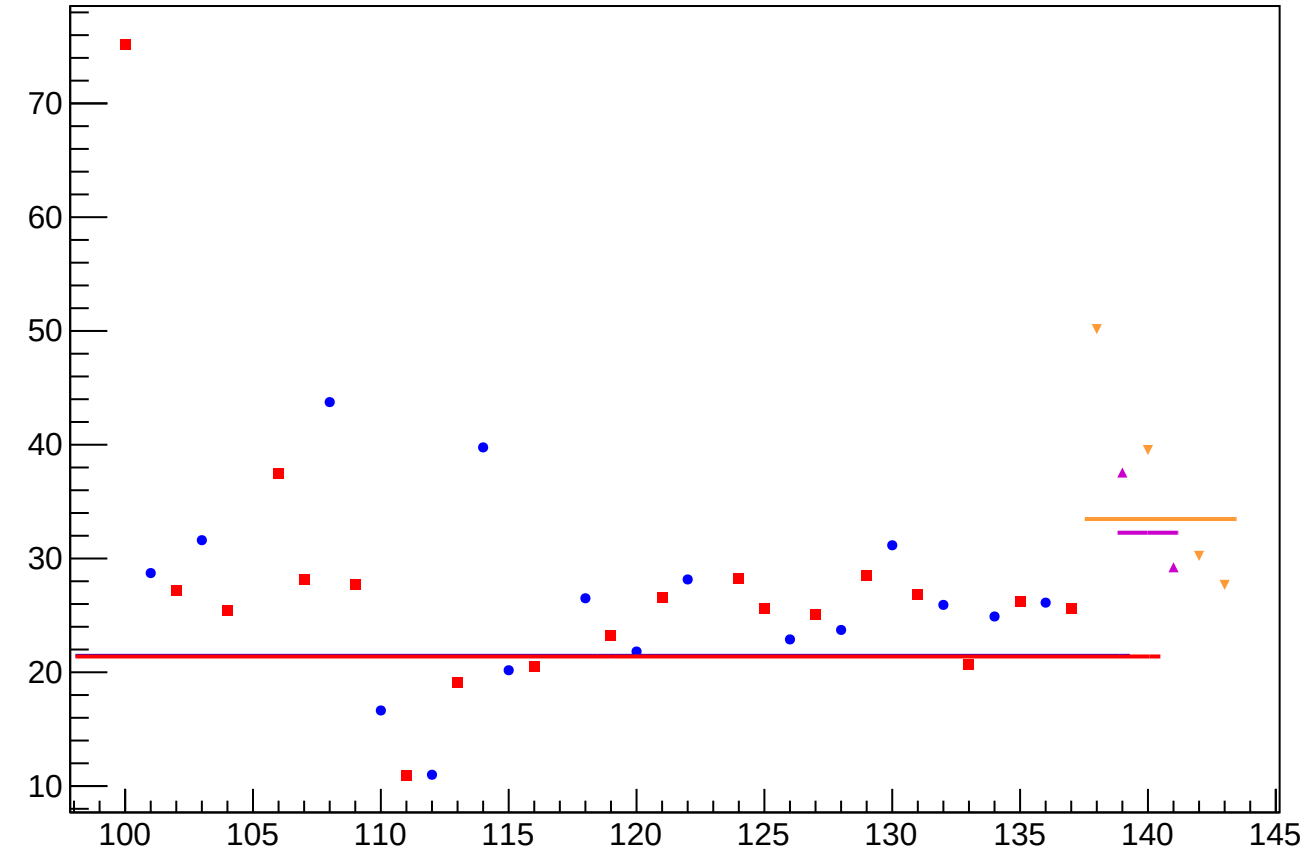
Left: -0.032+/-0.016 χ^2/NDF: 4.5/5

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 52.9/40



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272627.1/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 32.266+/-0.018 χ^2/NDF:50547.7/1

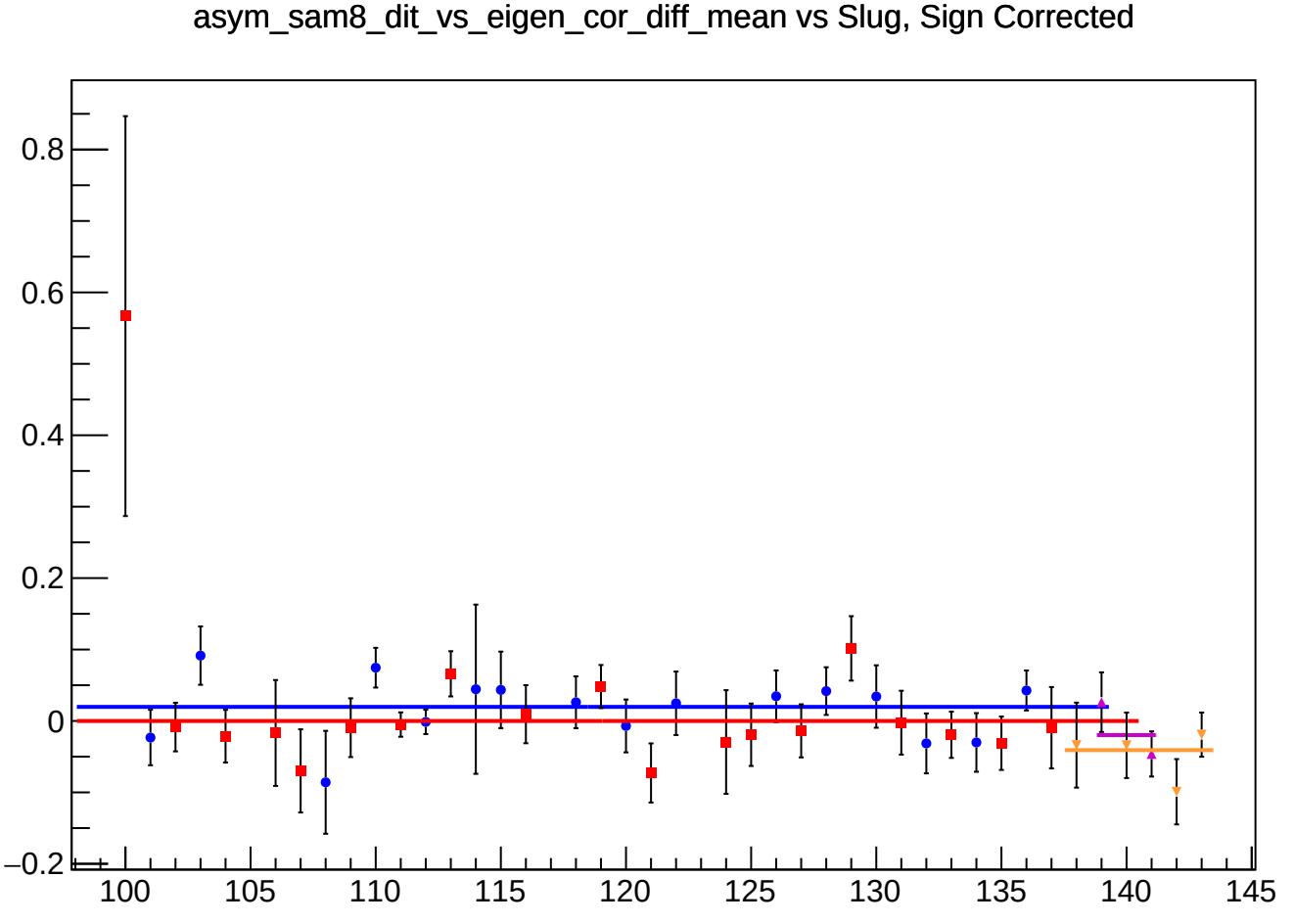
Left: 32.979+/-0.011 χ^2/NDF: 325879.5/5

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.592+/-0.006 χ^2/NDF:1920710.2/17

Out: 23.103+/-0.006 χ^2/NDF:2156684.9/22

All: 22.858+/-0.004 χ^2/NDF: 4081427.5/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

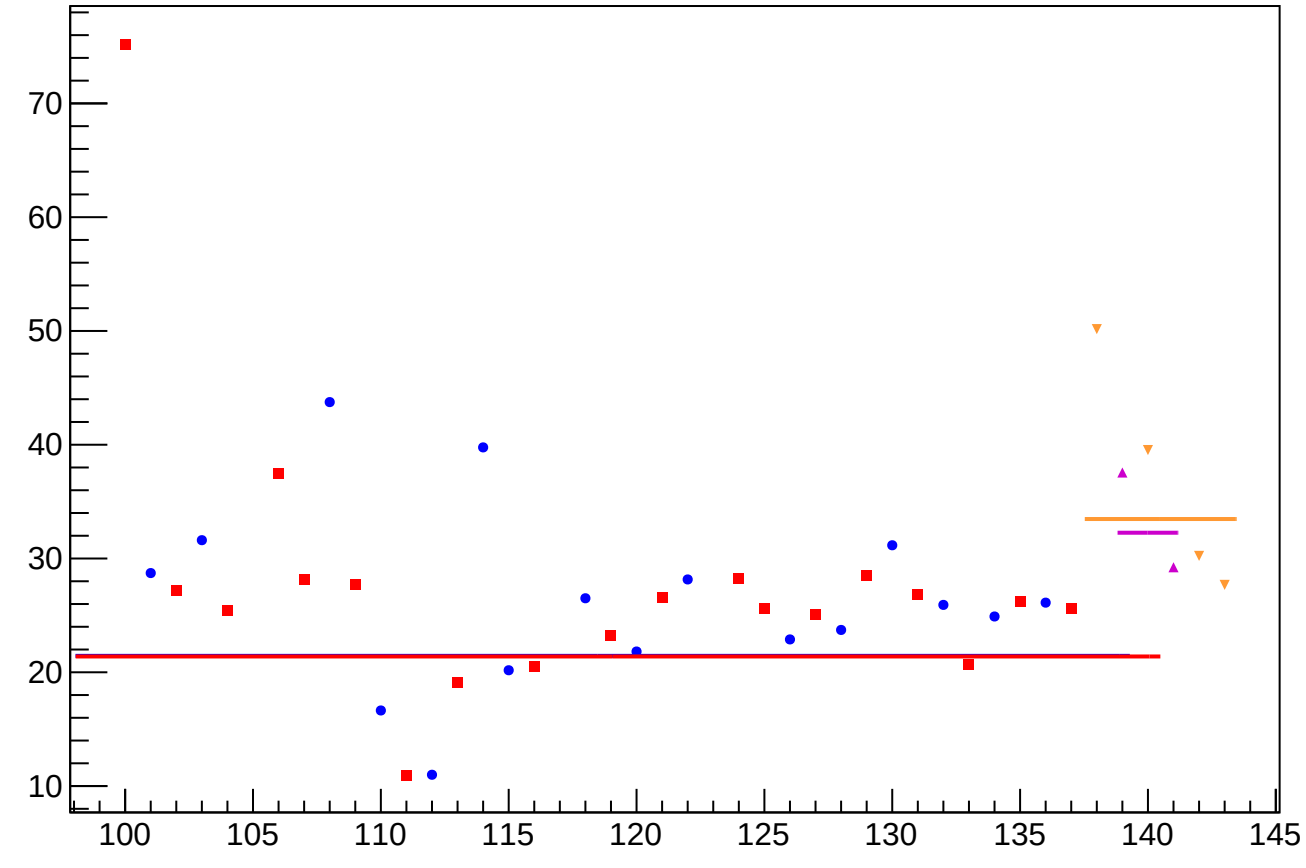
Left: -0.032+/-0.016 χ^2/NDF: 4.5/5

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 52.9/40



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272627.1/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 32.266+/-0.018 χ^2/NDF:50547.7/1

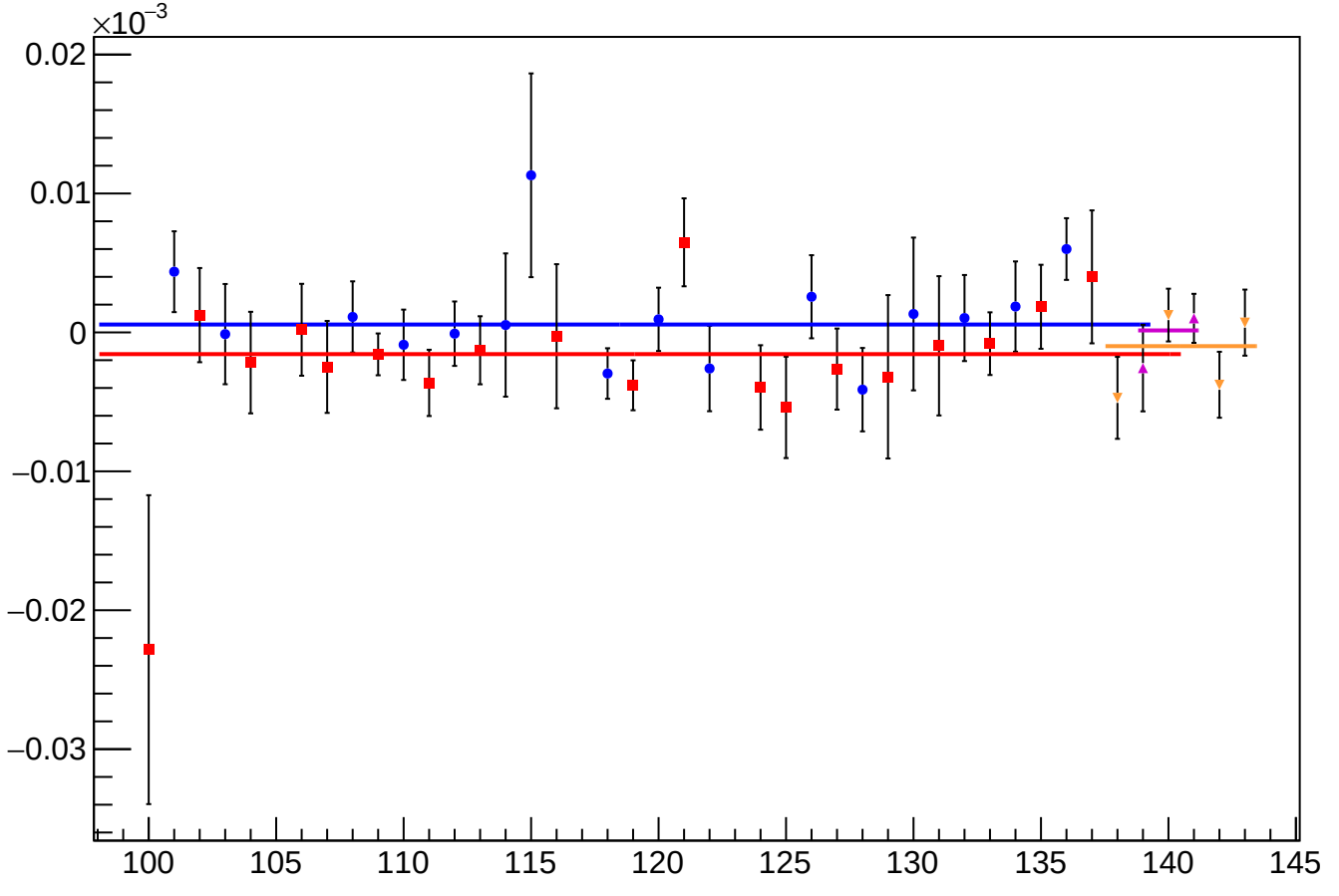
Left: 32.979+/-0.011 χ^2/NDF: 325879.5/5

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.592+/-0.006 χ^2/NDF:1920710.2/17

Out: 23.103+/-0.006 χ^2/NDF:2156684.9/22

All: 22.858+/-0.004 χ^2/NDF: 4081427.5/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/1

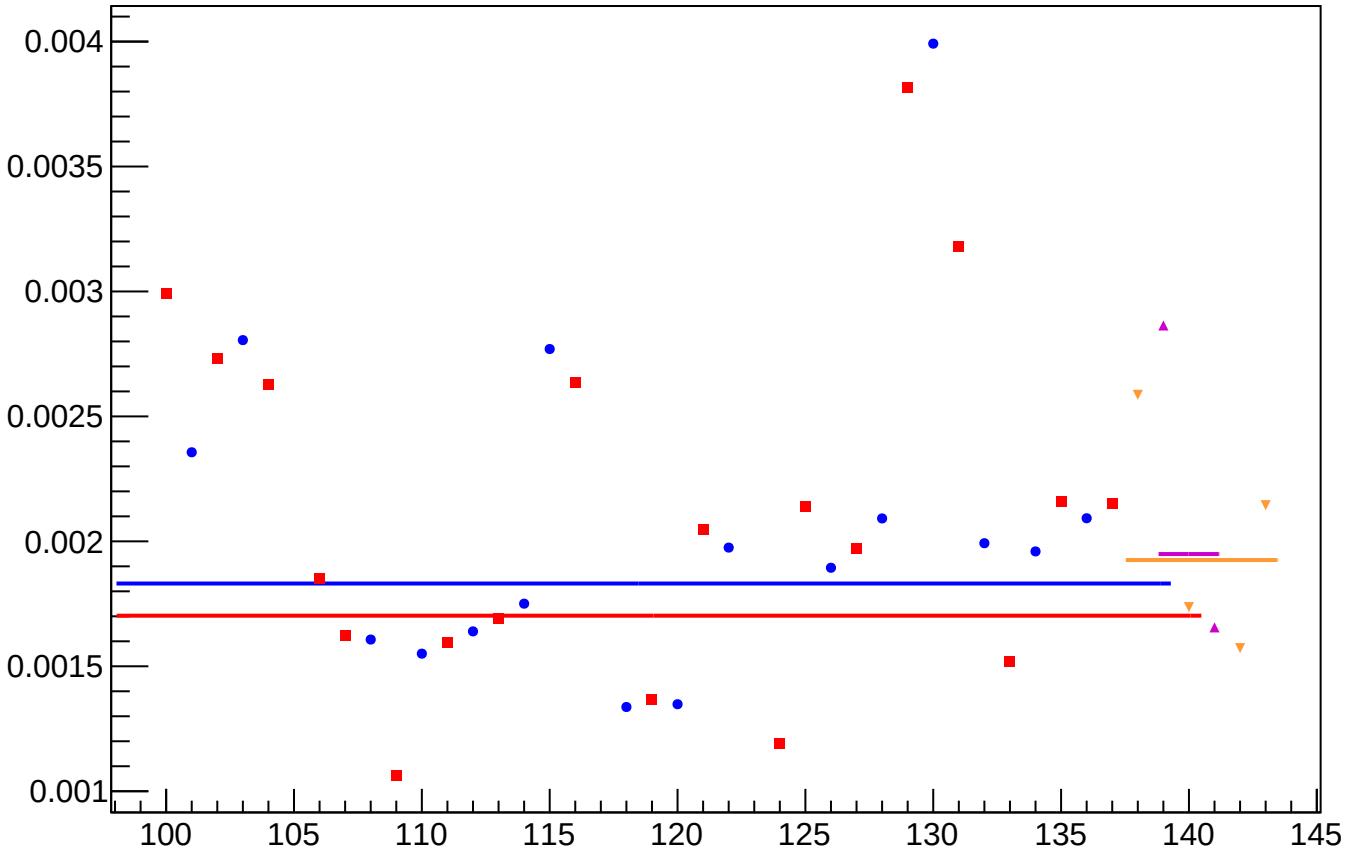
Left: -0.000+/-0.000 χ^2/NDF: 6.2/5

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:23.3/22

All: -0.000+/-0.000 χ^2/NDF: 47.6/40



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:181310.1/3

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:227870.9/1

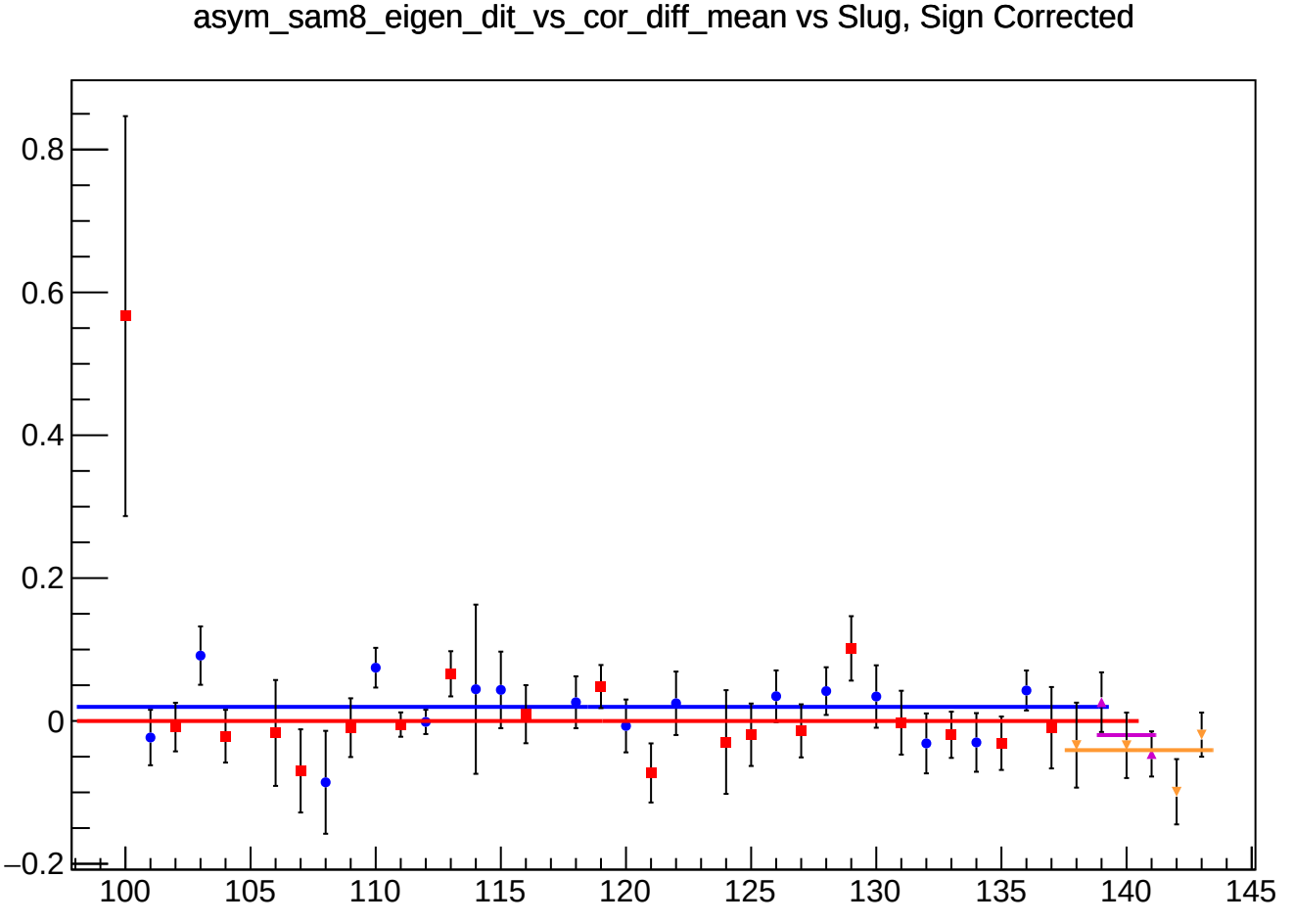
Left: 0.002+/-0.000 χ^2/NDF: 409495.3/5

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:1715255.8/22

All: 0.002+/-0.000 χ^2/NDF: 2877591.9/40



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

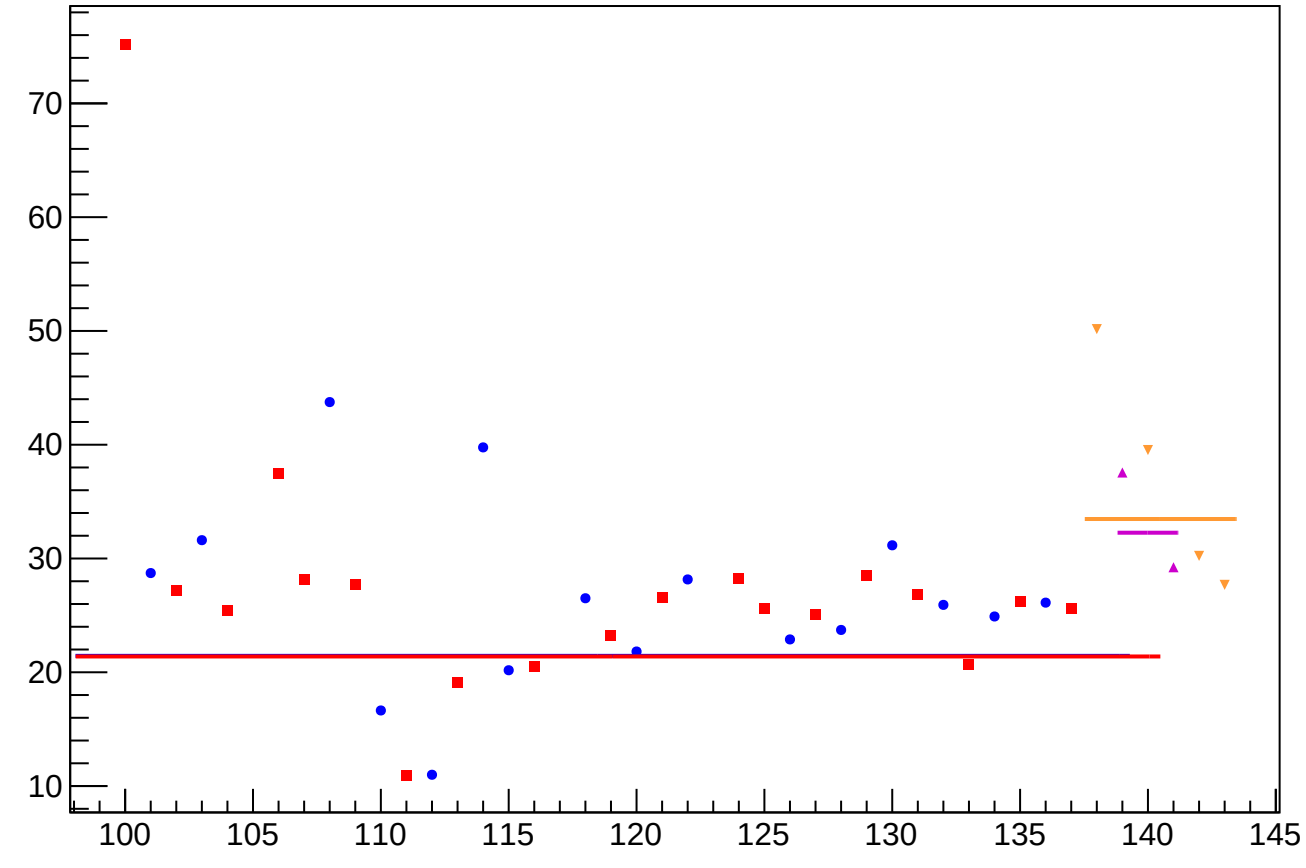
Left: -0.032+/-0.016 χ^2/NDF: 4.5/5

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 52.9/40



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272611.8/3

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: 32.979+/-0.011 χ^2/NDF: 325862.2/5

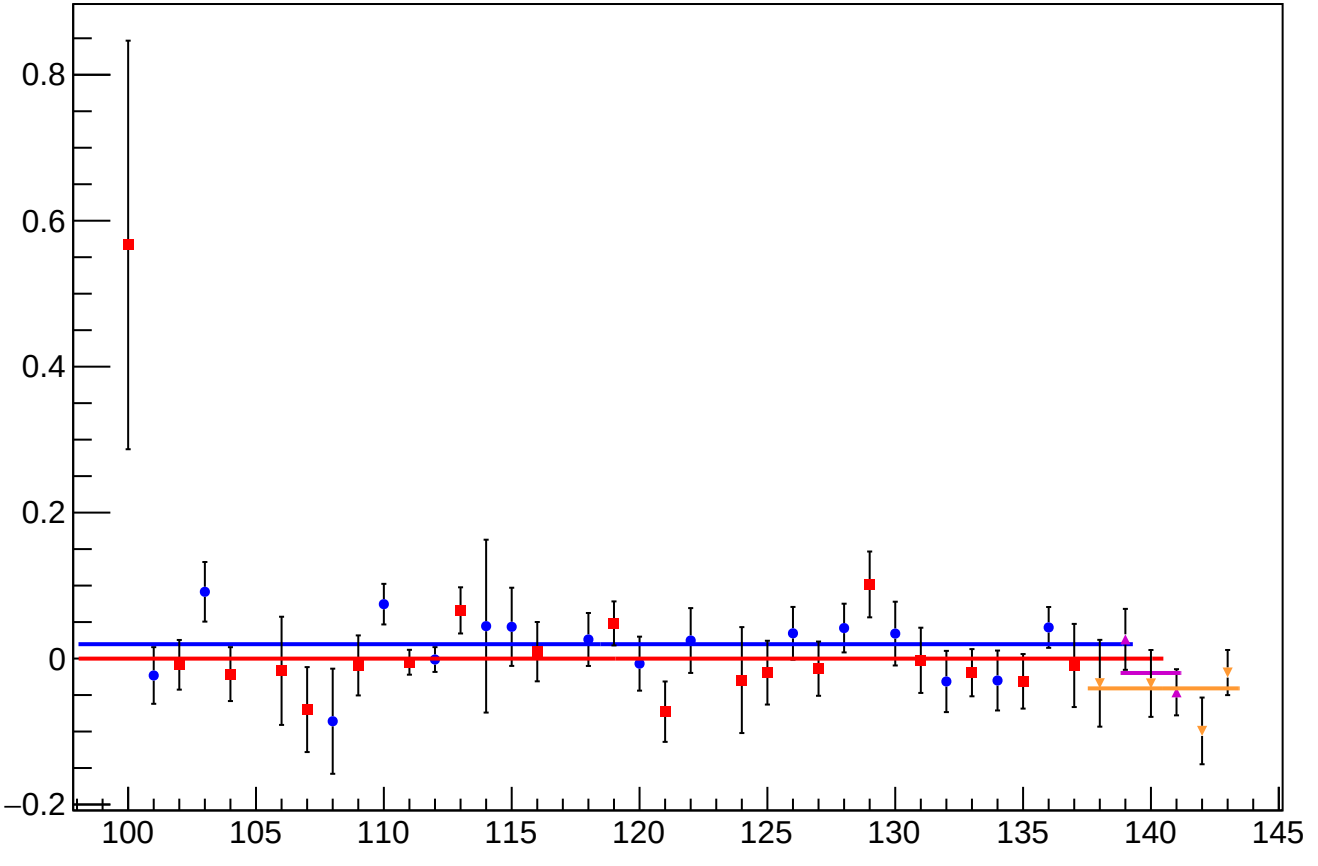
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.591+/-0.006 χ^2/NDF:1920898.9/17

Out: 23.102+/-0.006 χ^2/NDF:2156878.9/22

All: 22.857+/-0.004 χ^2/NDF: 4081811.1/40

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: -0.041+/-0.021 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.020+/-0.025 χ^2/NDF:1.9/1

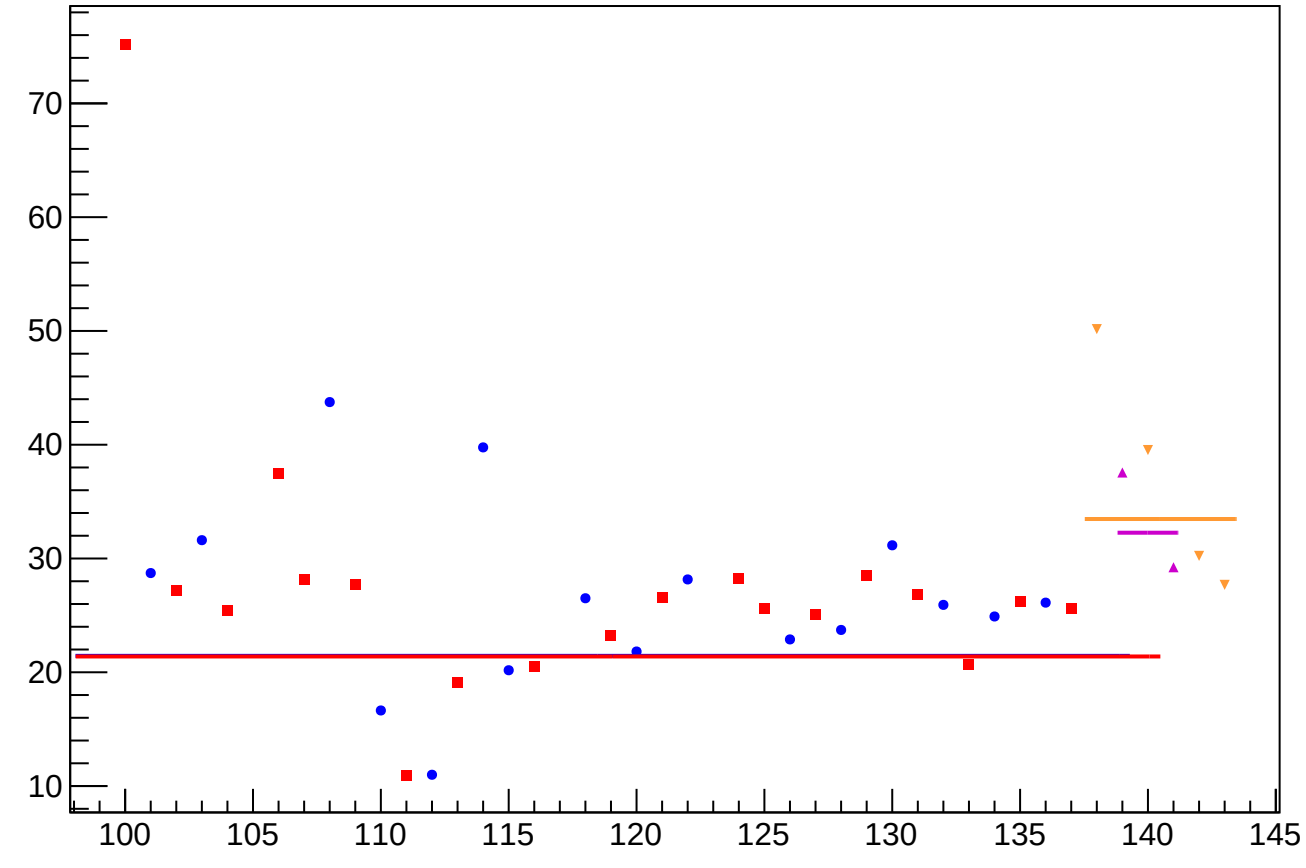
Left: -0.032+/-0.016 χ^2/NDF: 4.5/5

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.008 χ^2/NDF:21.1/17

Out: -0.006+/-0.008 χ^2/NDF:28.3/22

All: 0.004+/-0.006 χ^2/NDF: 52.9/40



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.471+/-0.015 χ^2/NDF:272611.8/3

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 32.266+/-0.018 χ^2/NDF:50544.6/1

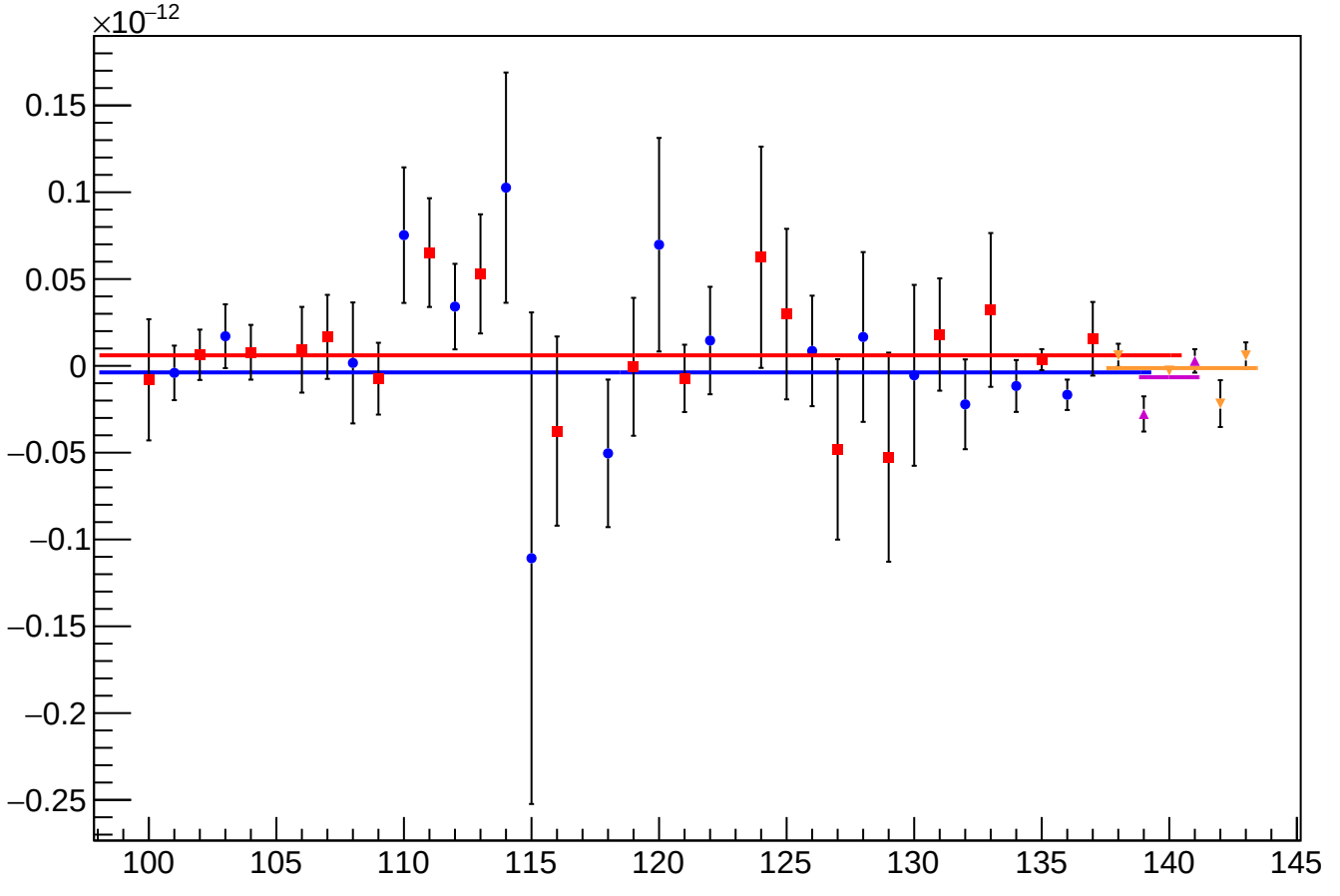
Left: 32.979+/-0.011 χ^2/NDF: 325862.2/5

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.591+/-0.006 χ^2/NDF:1920898.9/17

Out: 23.102+/-0.006 χ^2/NDF:2156878.9/22

All: 22.857+/-0.004 χ^2/NDF: 4081811.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/1

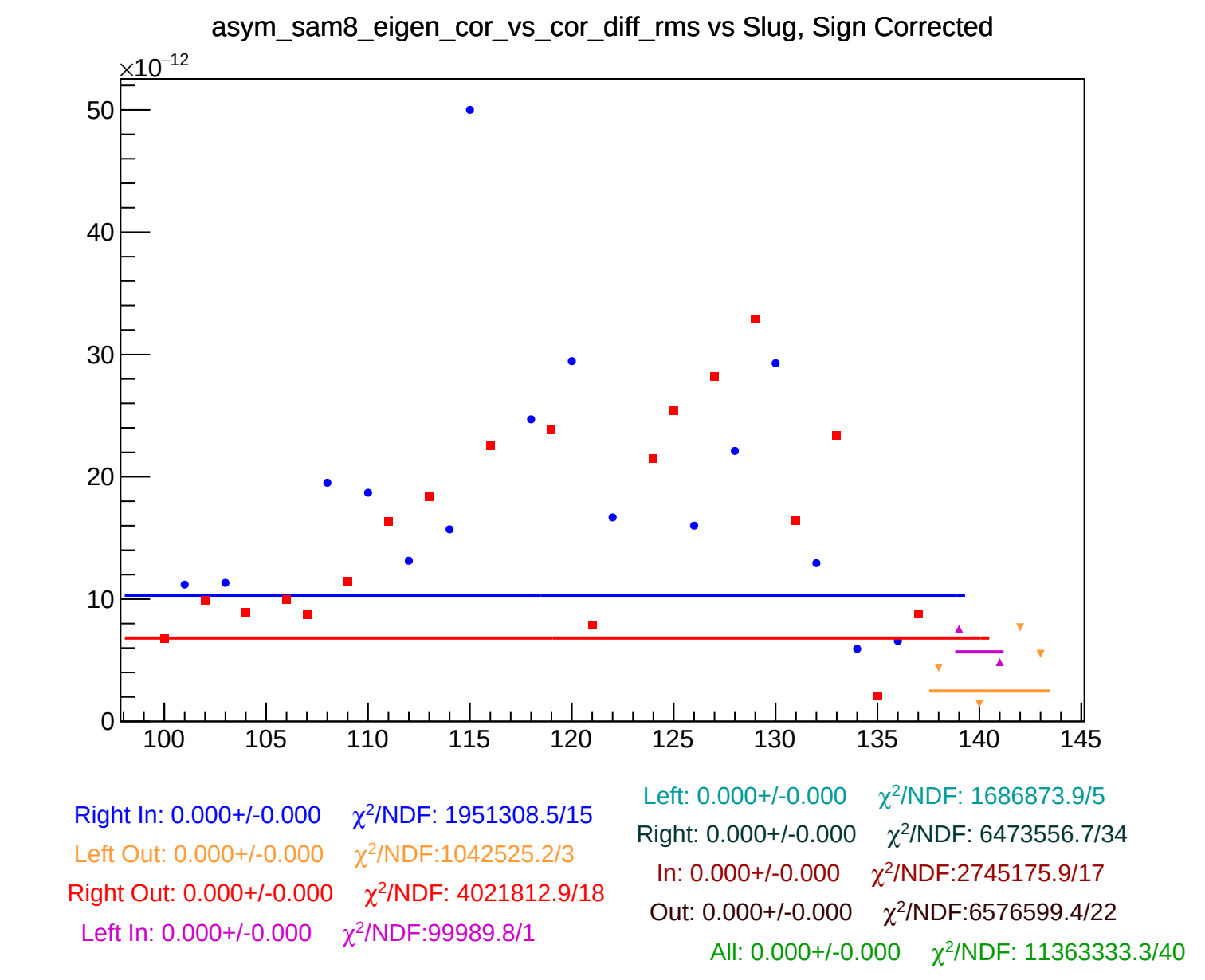
Left: -0.000+/-0.000 χ^2/NDF: 11.7/5

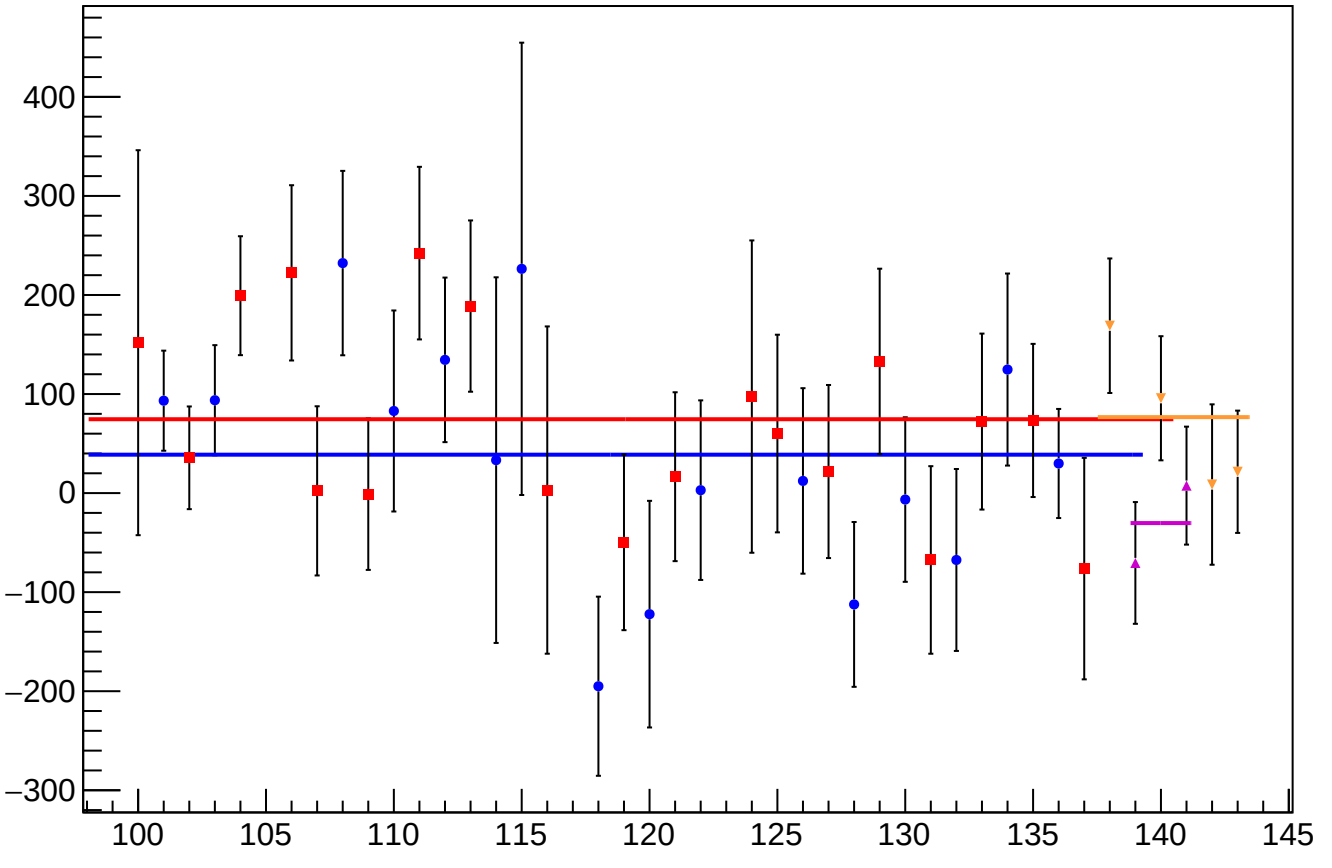
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/17

Out: 0.000+/-0.000 χ^2/NDF:18.2/22

All: -0.000+/-0.000 χ^2/NDF: 43.4/40


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1042525.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:99989.8/1
Left: 0.000+/-0.000 χ²/NDF: 1686873.9/5
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:2745175.9/17
Out: 0.000+/-0.000 χ²/NDF:6576599.4/22
All: 0.000+/-0.000 χ²/NDF: 11363333.3/40



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.694+/-33.585 χ^2/NDF:3.4/3

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -30.258+/-42.769 χ^2/NDF:0.8/1

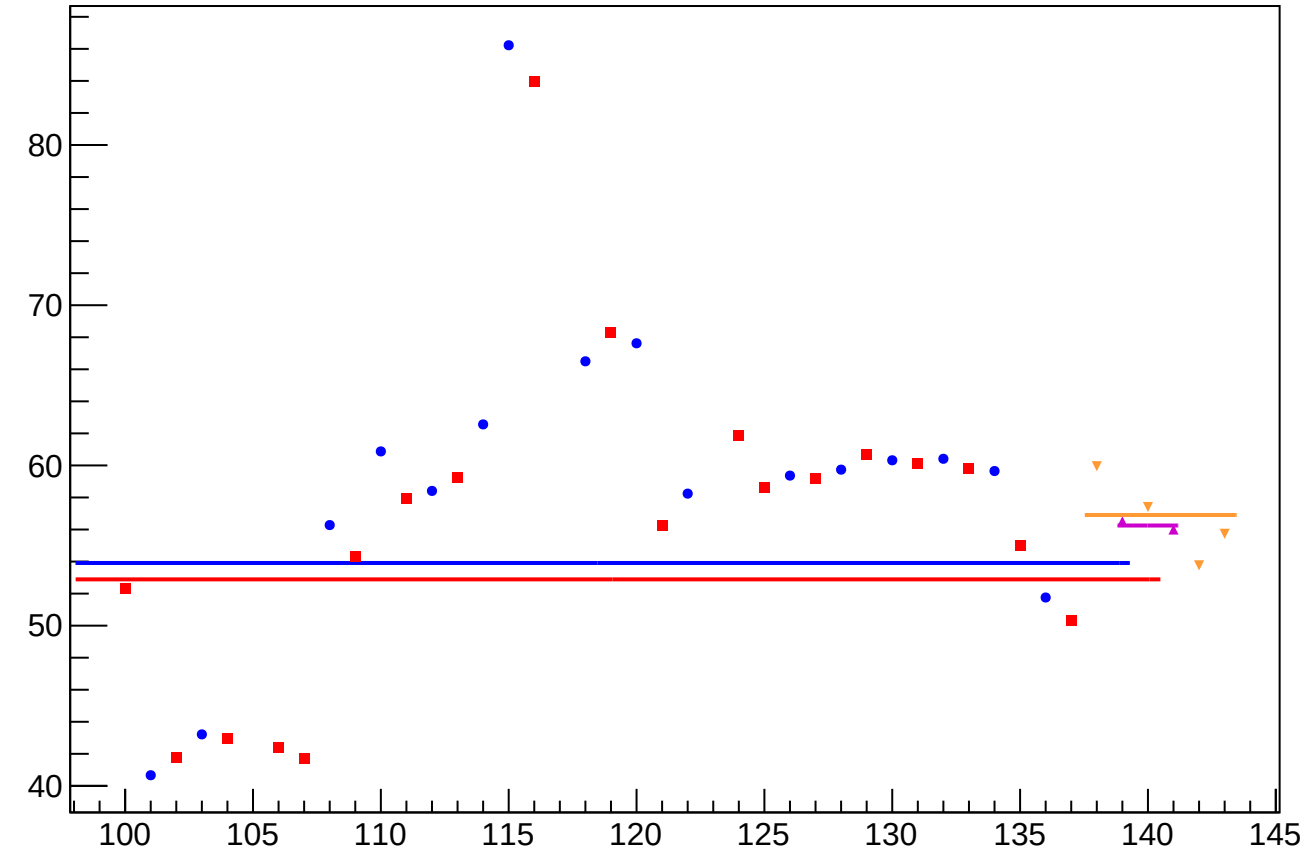
Left: 35.898+/-26.414 χ^2/NDF: 8.1/5

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.973+/-18.422 χ^2/NDF:26.3/17

Out: 75.124+/-17.058 χ^2/NDF:25.9/22

All: 52.436+/-12.516 χ^2/NDF: 56.0/40



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

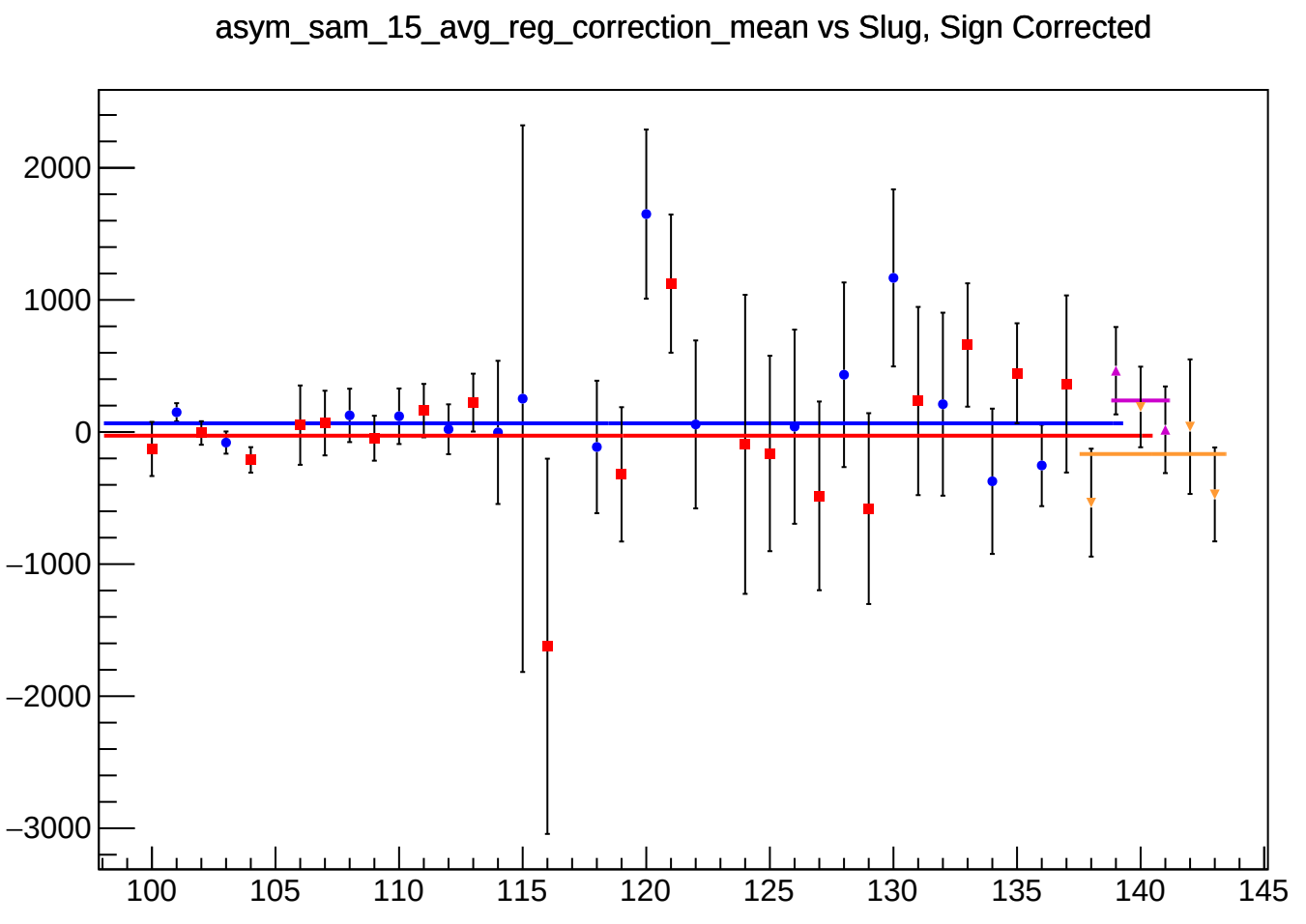
Left: 56.656+/-0.019 χ^2/NDF: 8246.9/5

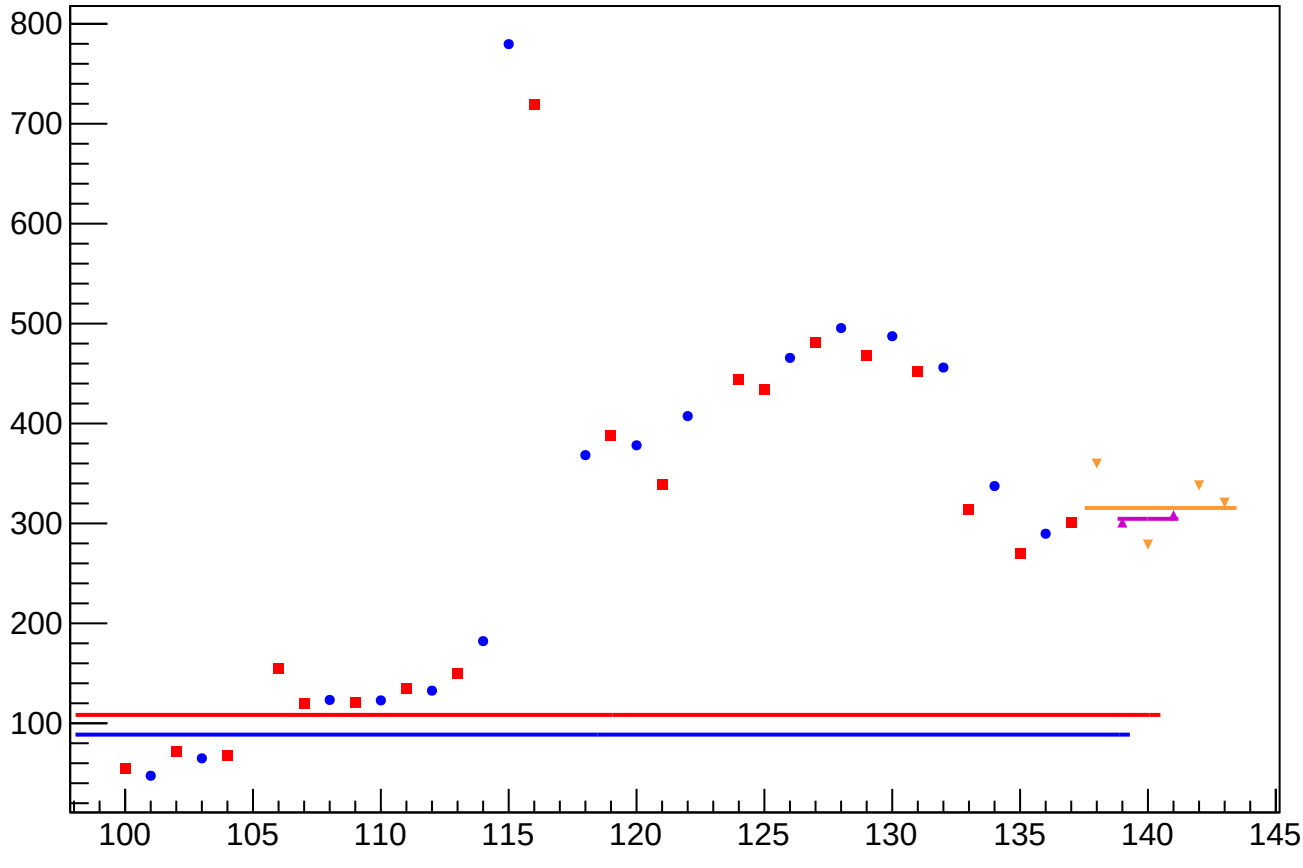
Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 54.346+/-0.013 χ^2/NDF:398202.1/17

Out: 53.925+/-0.012 χ^2/NDF:454349.1/22

All: 54.120+/-0.009 χ^2/NDF: 853112.7/40


asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
105
110
115
120
125
130
135
140
145
Right In: 65.853+/-46.478 χ²/NDF: 15.7/15
Left Out: -166.492+/-187.316 χ²/NDF:3.1/3
Right Out: -27.850+/-50.291 χ²/NDF: 18.0/18
Left In: 238.645+/-232.948 χ²/NDF:0.9/1
Left: -7.401+/-145.976 χ²/NDF: 5.8/5
Right: 22.688+/-34.134 χ²/NDF: 35.6/34
In: 72.468+/-45.580 χ²/NDF:17.2/17
Out: -37.172+/-48.571 χ²/NDF:21.6/22
All: 21.128+/-33.237 χ²/NDF: 41.4/40



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.5/3

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 304.635+/-0.165 χ^2/NDF:498.3/1

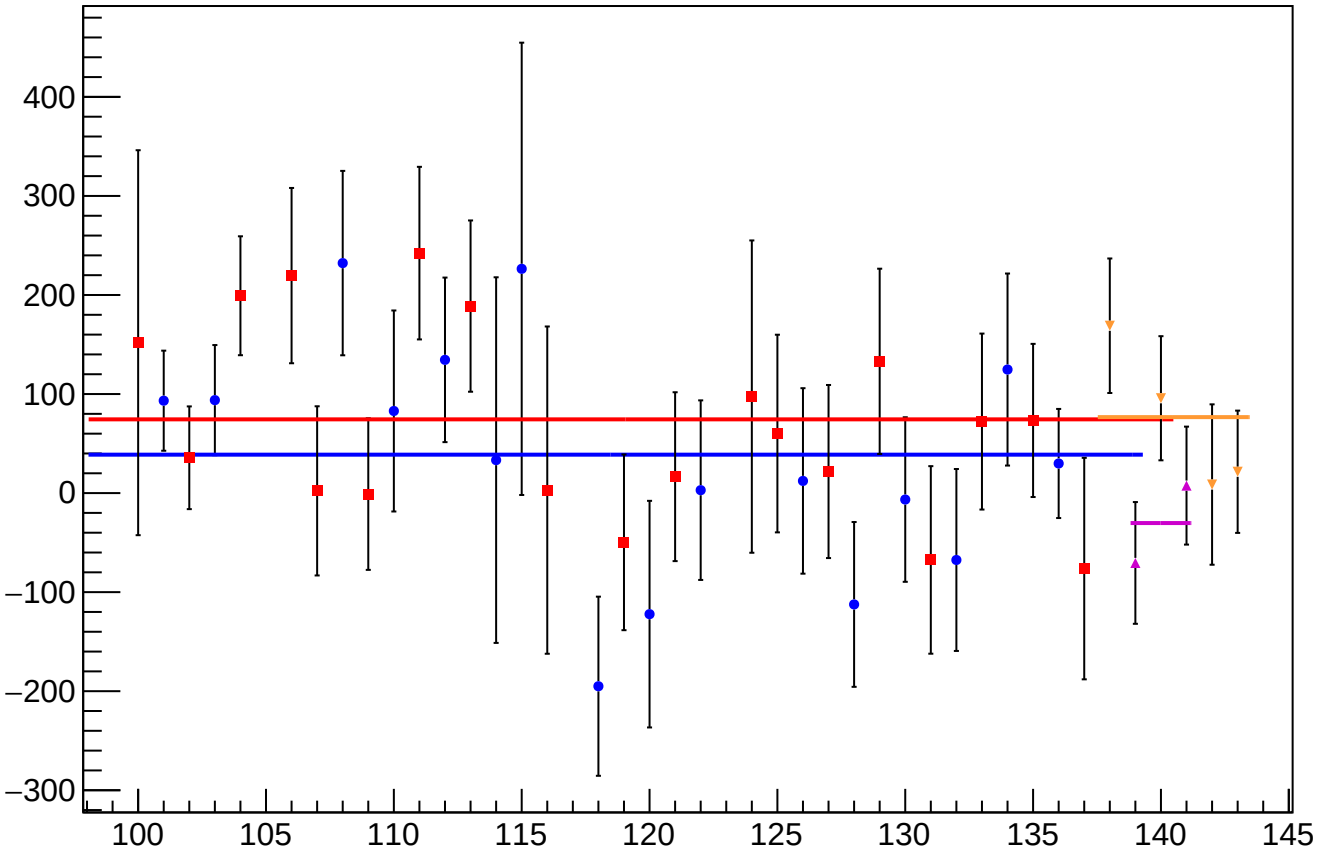
Left: 311.230+/-0.103 χ^2/NDF: 60024.3/5

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 96.927+/-0.032 χ^2/NDF:8301949.4/17

Out: 122.311+/-0.034 χ^2/NDF:7700347.4/22

All: 108.813+/-0.024 χ^2/NDF: 16292761.0/40



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.697+/-33.585 χ^2/NDF:3.4/3

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -30.251+/-42.769 χ^2/NDF:0.8/1

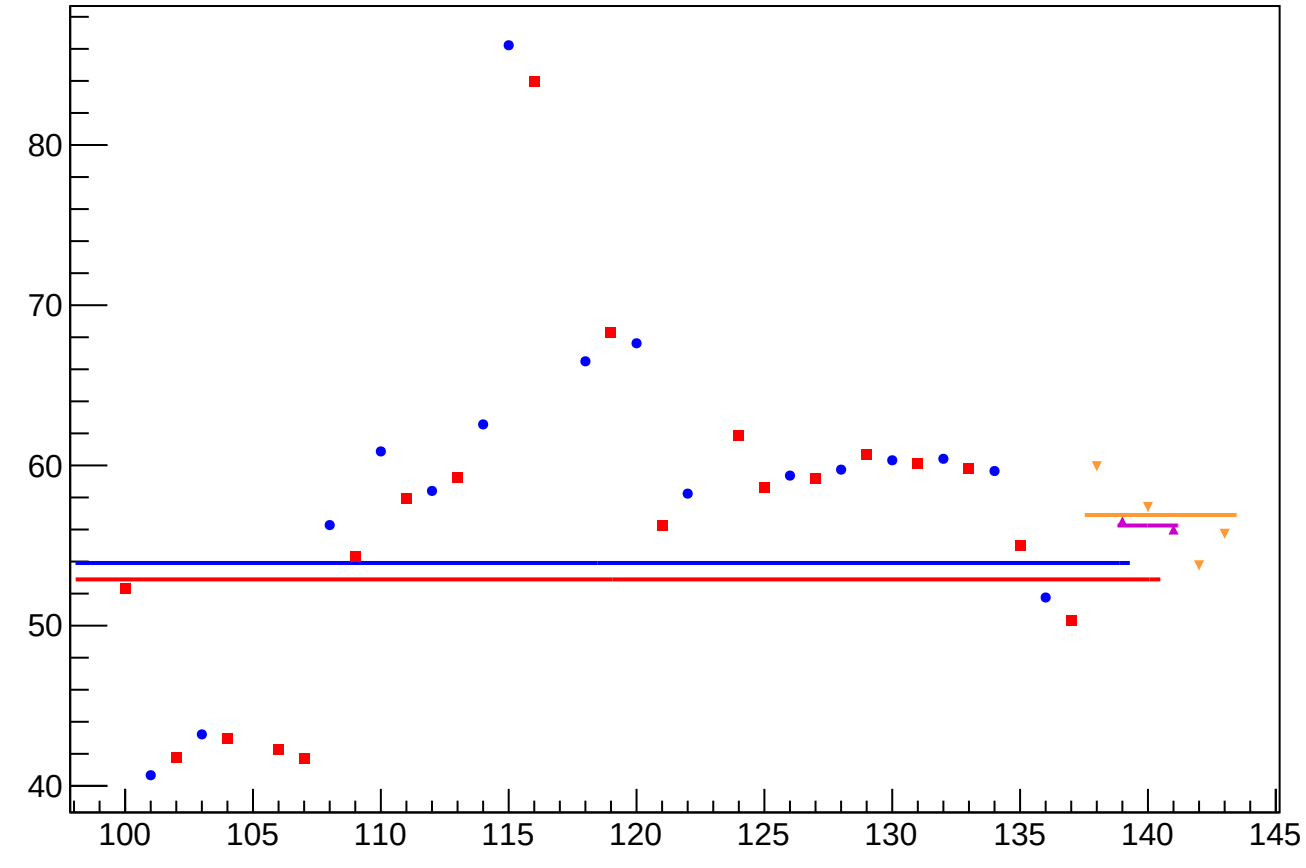
Left: 35.903+/-26.414 χ^2/NDF: 8.1/5

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.983+/-18.422 χ^2/NDF:26.3/17

Out: 75.024+/-17.059 χ^2/NDF:25.8/22

All: 52.386+/-12.517 χ^2/NDF: 55.9/40



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 56.907+/-0.024 χ^2/NDF:7882.8/3

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.250+/-0.030 χ^2/NDF:72.6/1

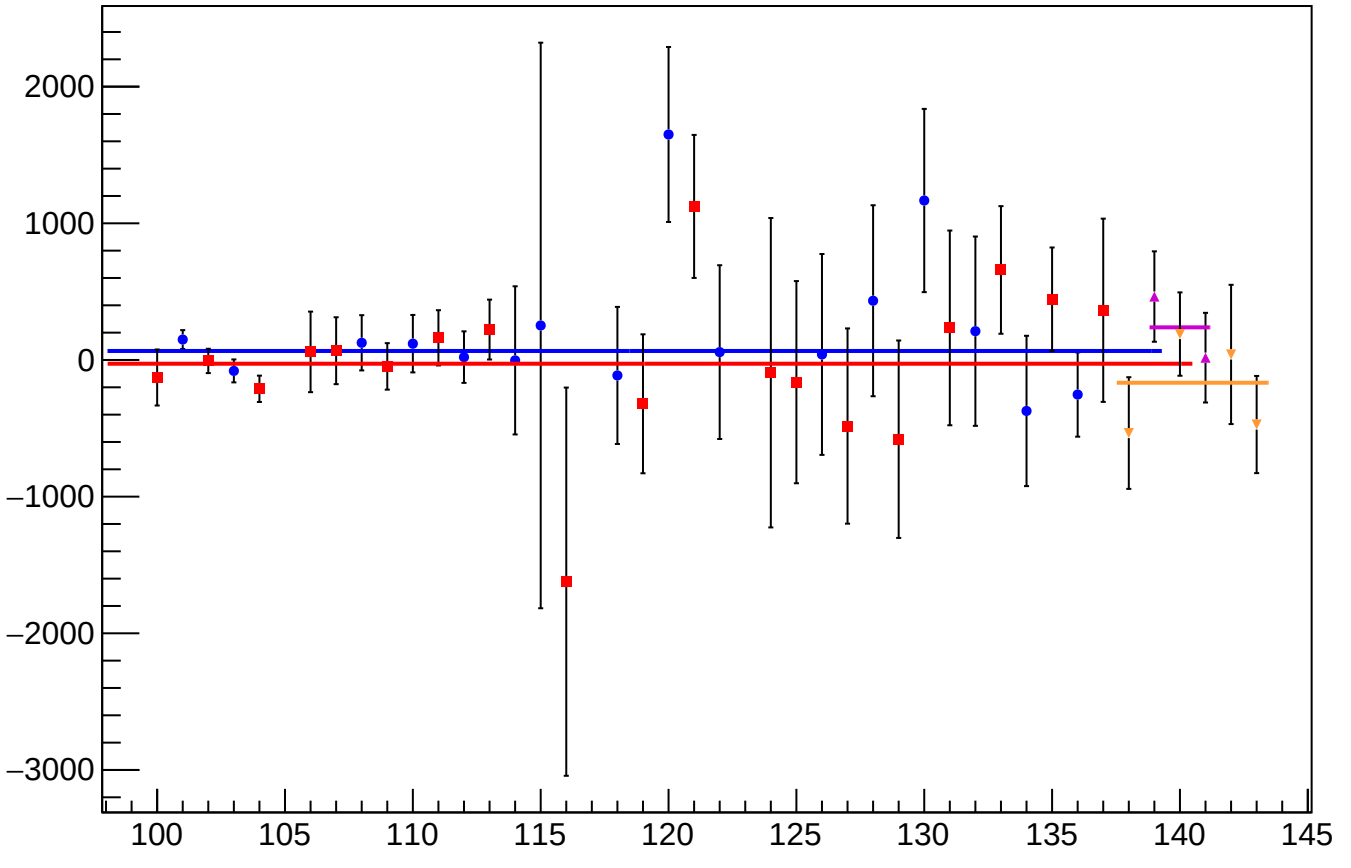
Left: 56.656+/-0.019 χ^2/NDF: 8246.9/5

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.346+/-0.013 χ^2/NDF:398201.5/17

Out: 53.924+/-0.012 χ^2/NDF:454679.6/22

All: 54.119+/-0.009 χ^2/NDF: 853446.8/40



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -166.488+/-187.316 χ^2/NDF:3.1/3

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 238.644+/-232.948 χ^2/NDF:0.9/1

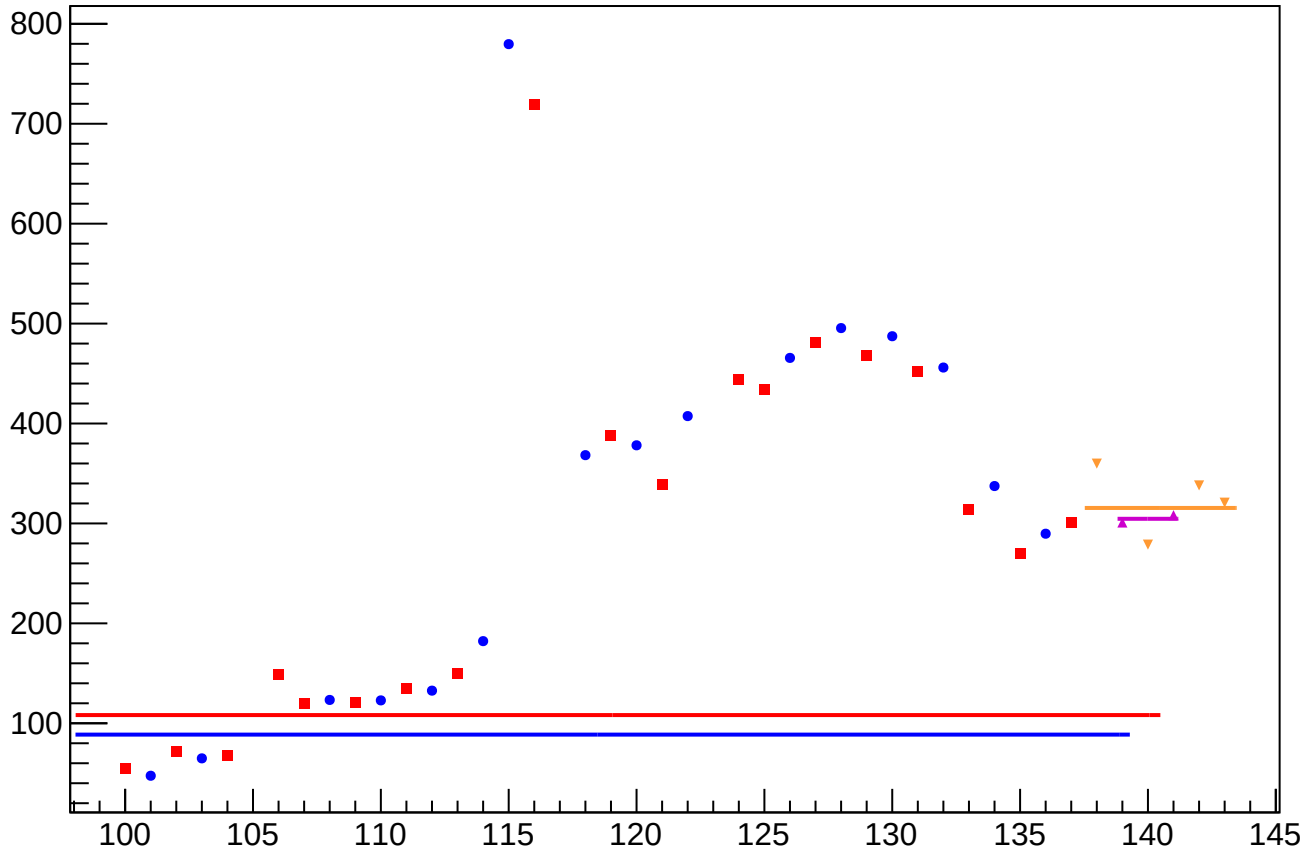
Left: -7.399+/-145.976 χ^2/NDF: 5.8/5

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 72.472+/-45.579 χ^2/NDF:17.2/17

Out: -36.742+/-48.533 χ^2/NDF:21.6/22

All: 21.289+/-33.224 χ^2/NDF: 41.4/40



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.7/3

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 304.636+/-0.165 χ^2/NDF:498.4/1

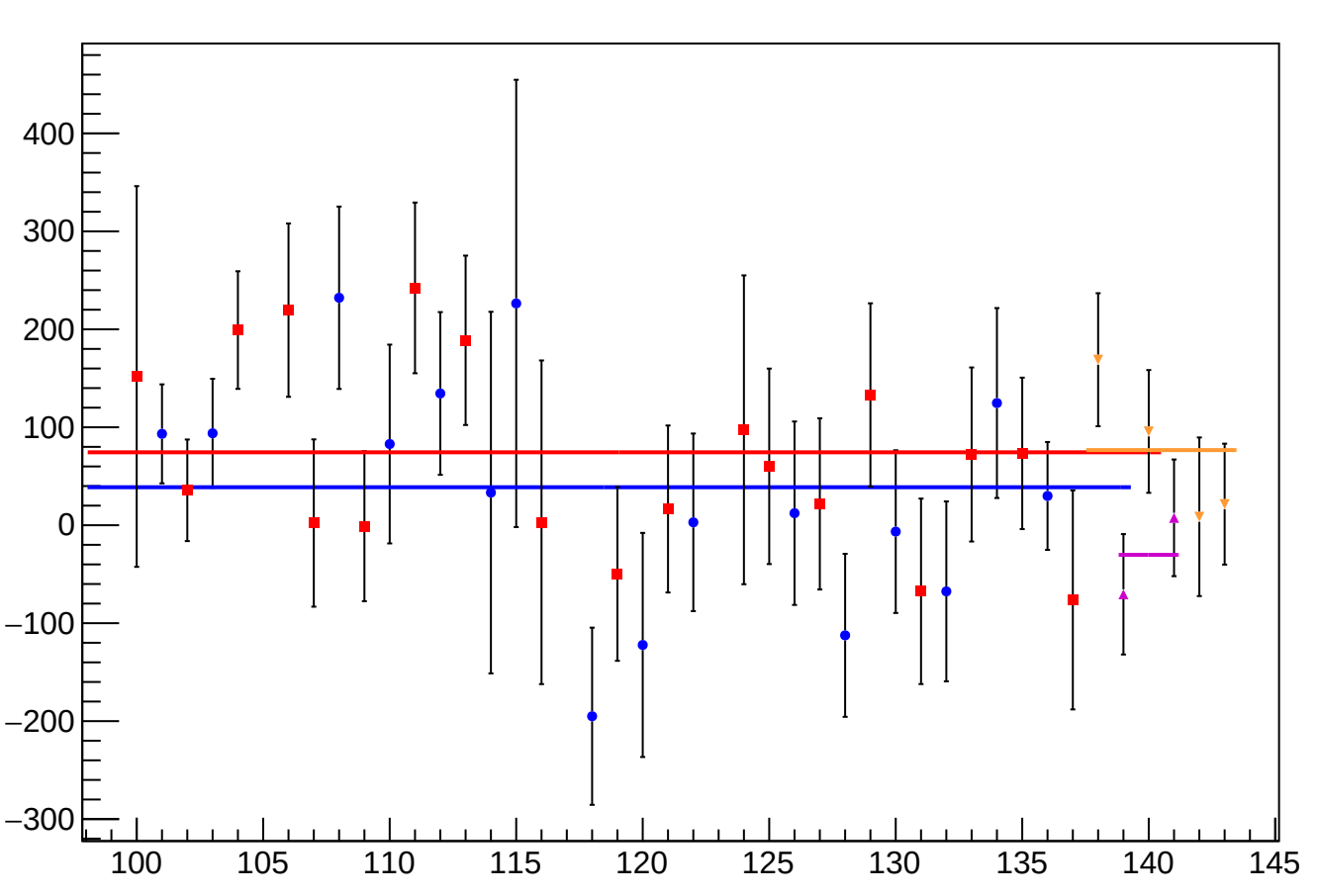
Left: 311.230+/-0.103 χ^2/NDF: 60024.6/5

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 96.924+/-0.032 χ^2/NDF:8302071.1/17

Out: 122.122+/-0.034 χ^2/NDF:7696567.1/22

All: 108.733+/-0.023 χ^2/NDF: 16285111.1/40



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 76.697+/-33.585 χ^2/NDF:3.4/3

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -30.251+/-42.769 χ^2/NDF:0.8/1

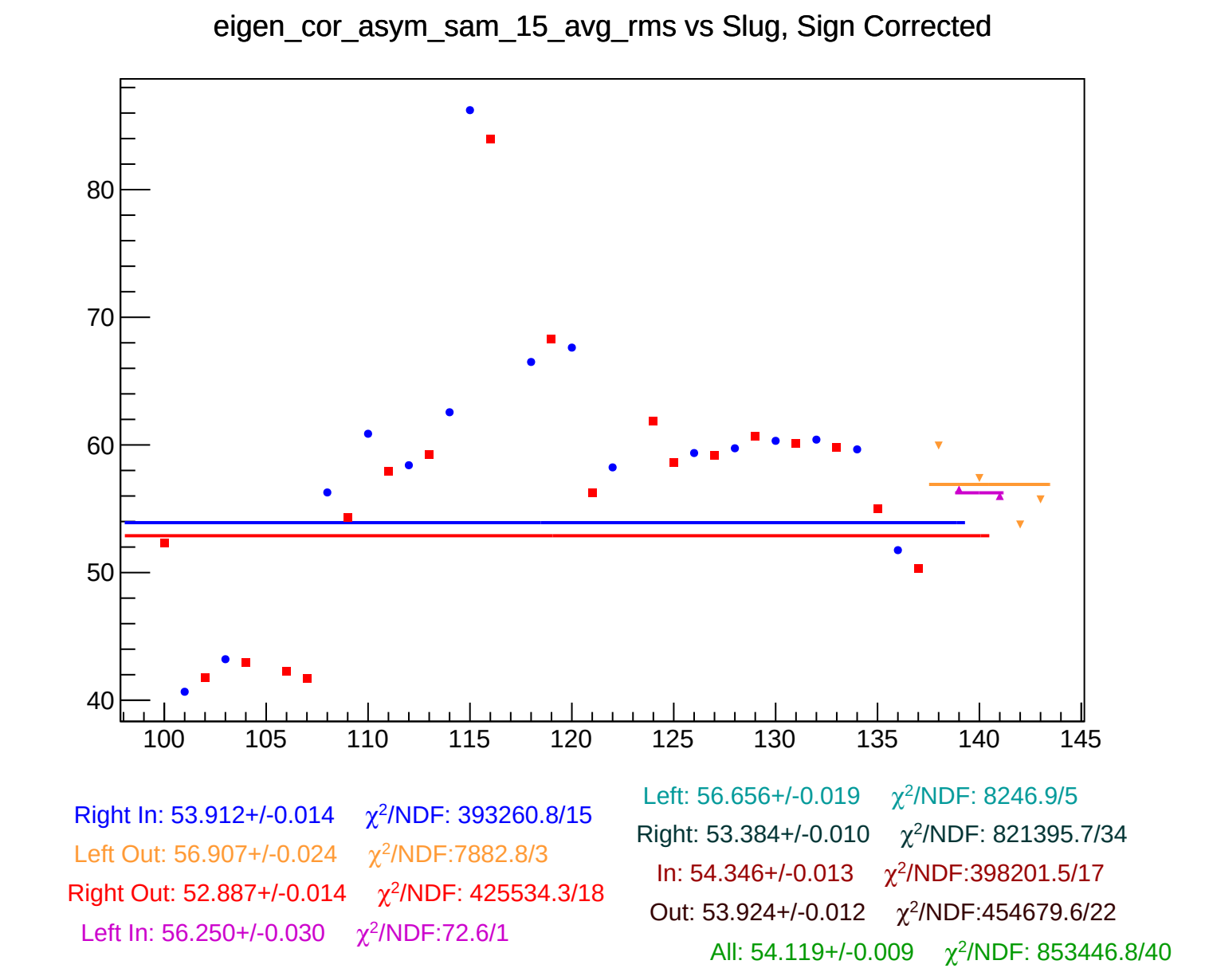
Left: 35.903+/-26.414 χ^2/NDF: 8.1/5

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.983+/-18.422 χ^2/NDF:26.3/17

Out: 75.024+/-17.059 χ^2/NDF:25.8/22

All: 52.386+/-12.517 χ^2/NDF: 55.9/40


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
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135
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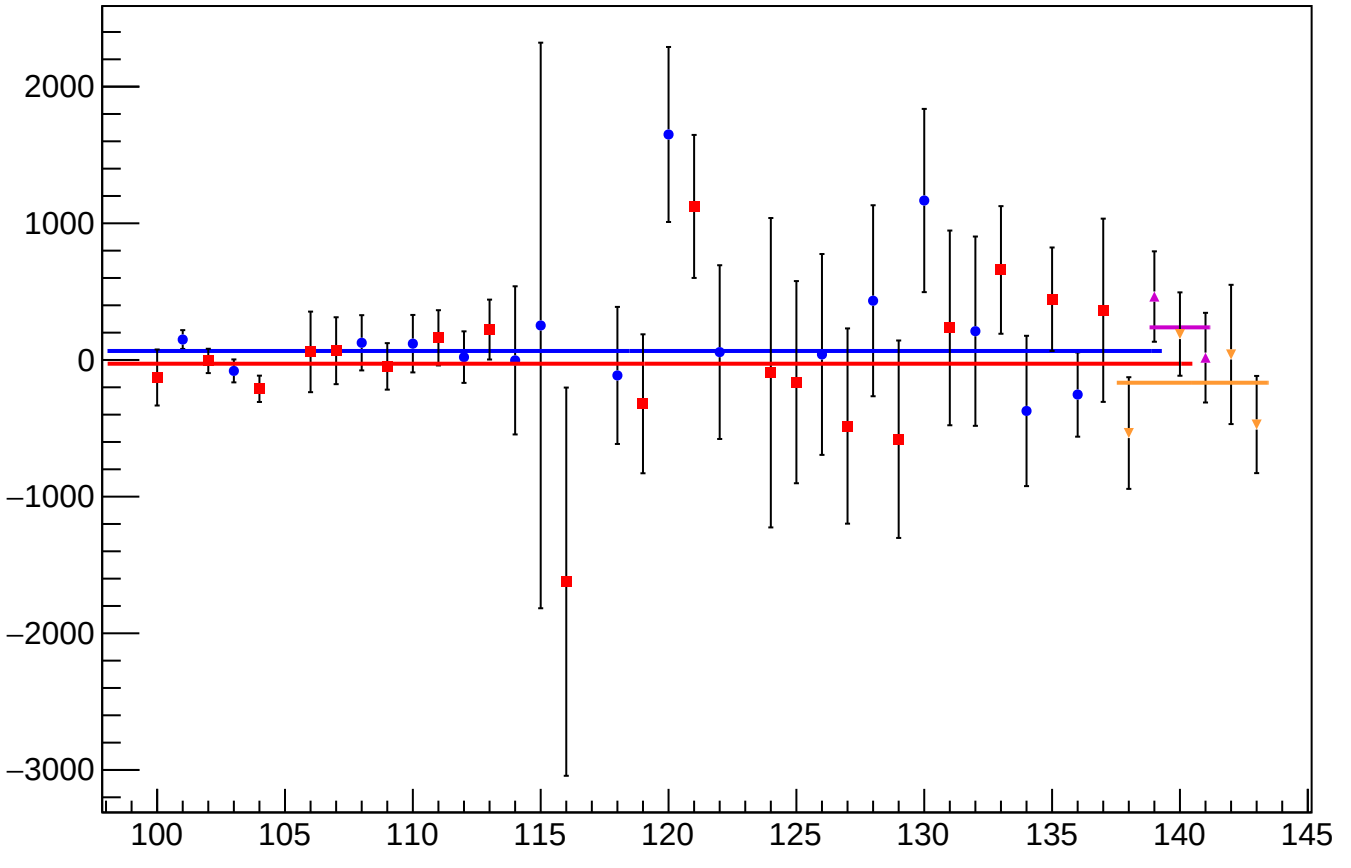
145
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 56.907+/-0.024 χ²/NDF:7882.8/3
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 56.250+/-0.030 χ²/NDF:72.6/1
Left: 56.656+/-0.019 χ²/NDF: 8246.9/5
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 54.346+/-0.013 χ²/NDF:398201.5/17
Out: 53.924+/-0.012 χ²/NDF:454679.6/22
All: 54.119+/-0.009 χ²/NDF: 853446.8/40



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -166.488+/-187.316 χ^2/NDF:3.1/3

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 238.644+/-232.948 χ^2/NDF:0.9/1

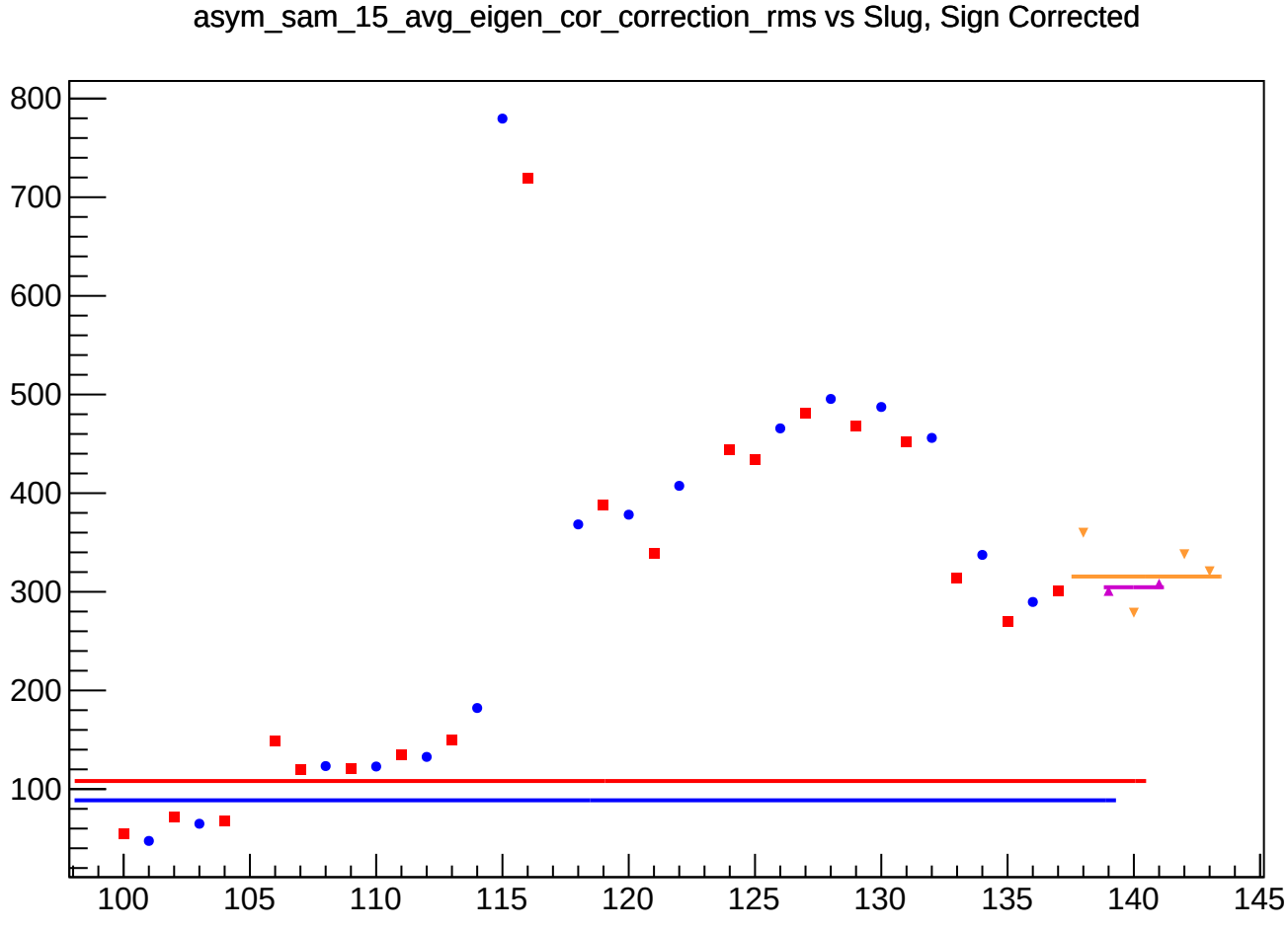
Left: -7.399+/-145.976 χ^2/NDF: 5.8/5

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 72.472+/-45.579 χ^2/NDF:17.2/17

Out: -36.742+/-48.533 χ^2/NDF:21.6/22

All: 21.289+/-33.224 χ^2/NDF: 41.4/40



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.495+/-0.132 χ^2/NDF:56886.7/3

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 304.636+/-0.165 χ^2/NDF:498.4/1

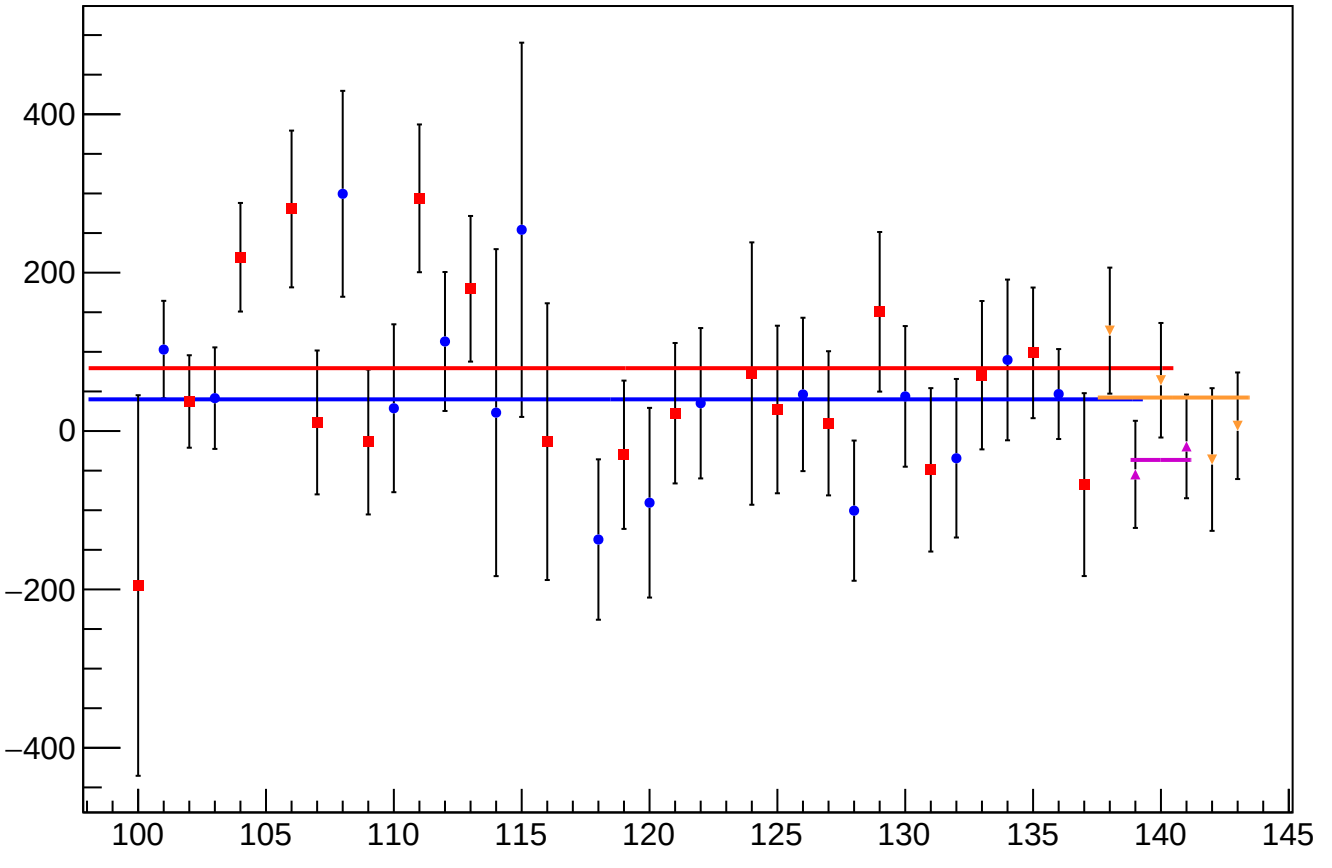
Left: 311.230+/-0.103 χ^2/NDF: 60024.6/5

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 96.924+/-0.032 χ^2/NDF:8302071.1/17

Out: 122.122+/-0.034 χ^2/NDF:7696567.1/22

All: 108.733+/-0.023 χ^2/NDF: 16285111.1/40



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 42.305+/-37.982 χ^2/NDF:2.3/3

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -36.479+/-47.039 χ^2/NDF:0.1/1

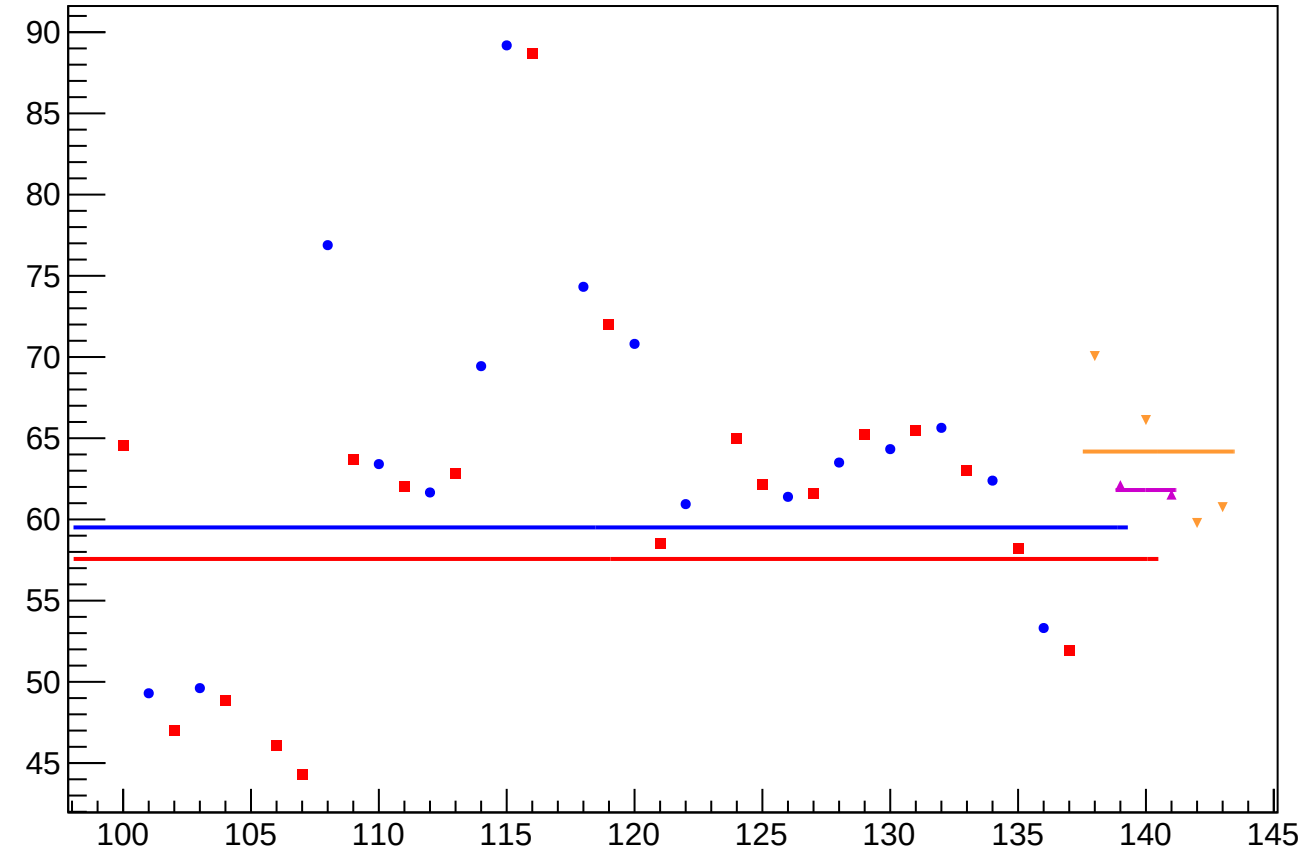
Left: 11.212+/-29.551 χ^2/NDF: 4.1/5

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 25.769+/-20.308 χ^2/NDF:16.4/17

Out: 70.333+/-18.761 χ^2/NDF:27.8/22

All: 49.813+/-13.781 χ^2/NDF: 46.8/40



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.180+/-0.027 χ^2/NDF:22299.6/3

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 61.812+/-0.033 χ^2/NDF:75.7/1

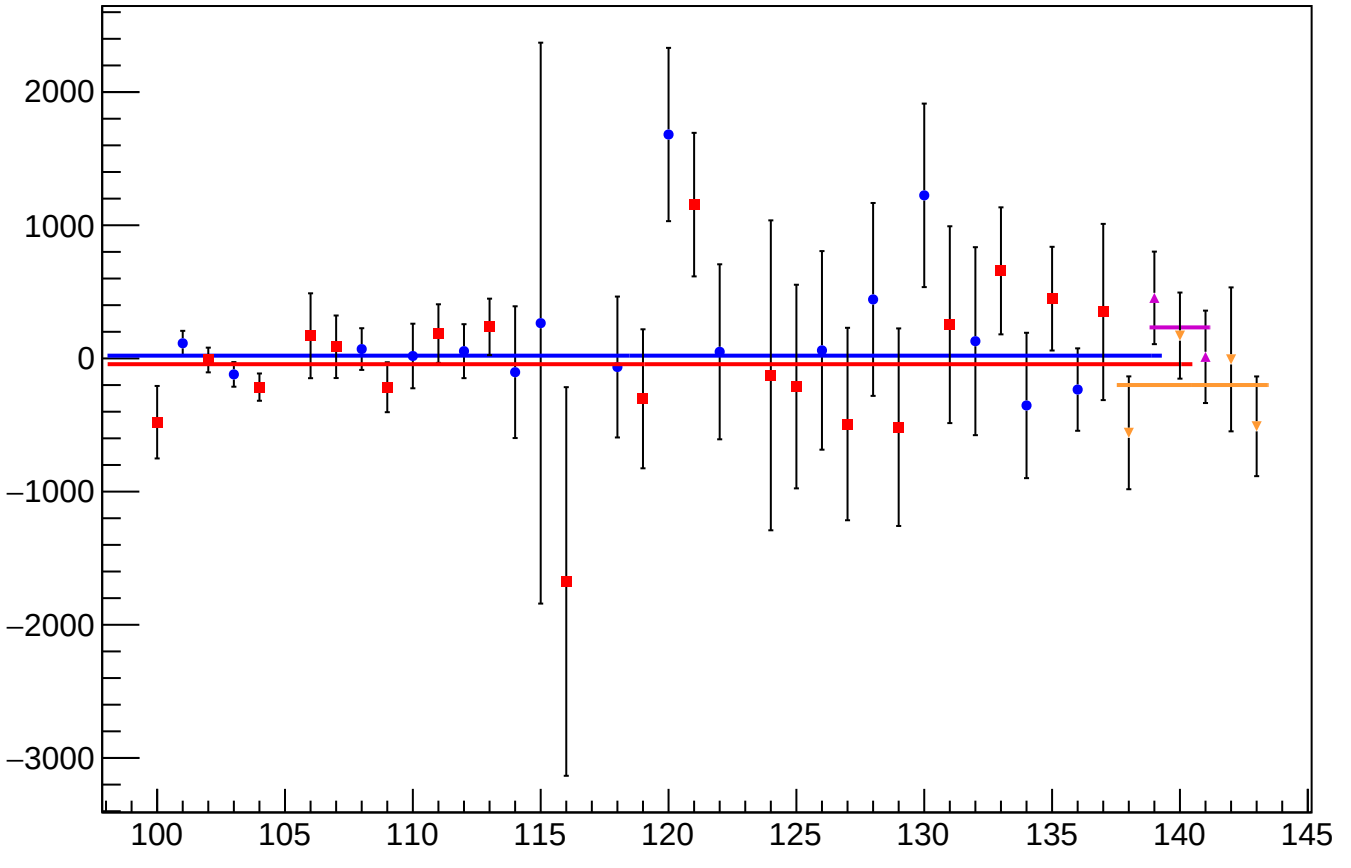
Left: 63.245+/-0.021 χ^2/NDF: 25444.2/5

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 59.938+/-0.014 χ^2/NDF:287168.2/17

Out: 59.180+/-0.013 χ^2/NDF:415513.6/22

All: 59.529+/-0.010 χ^2/NDF: 704183.8/40



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -199.653+/-197.274 χ^2/NDF:2.8/3

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: -29.880+/-153.778 χ^2/NDF: 5.5/5

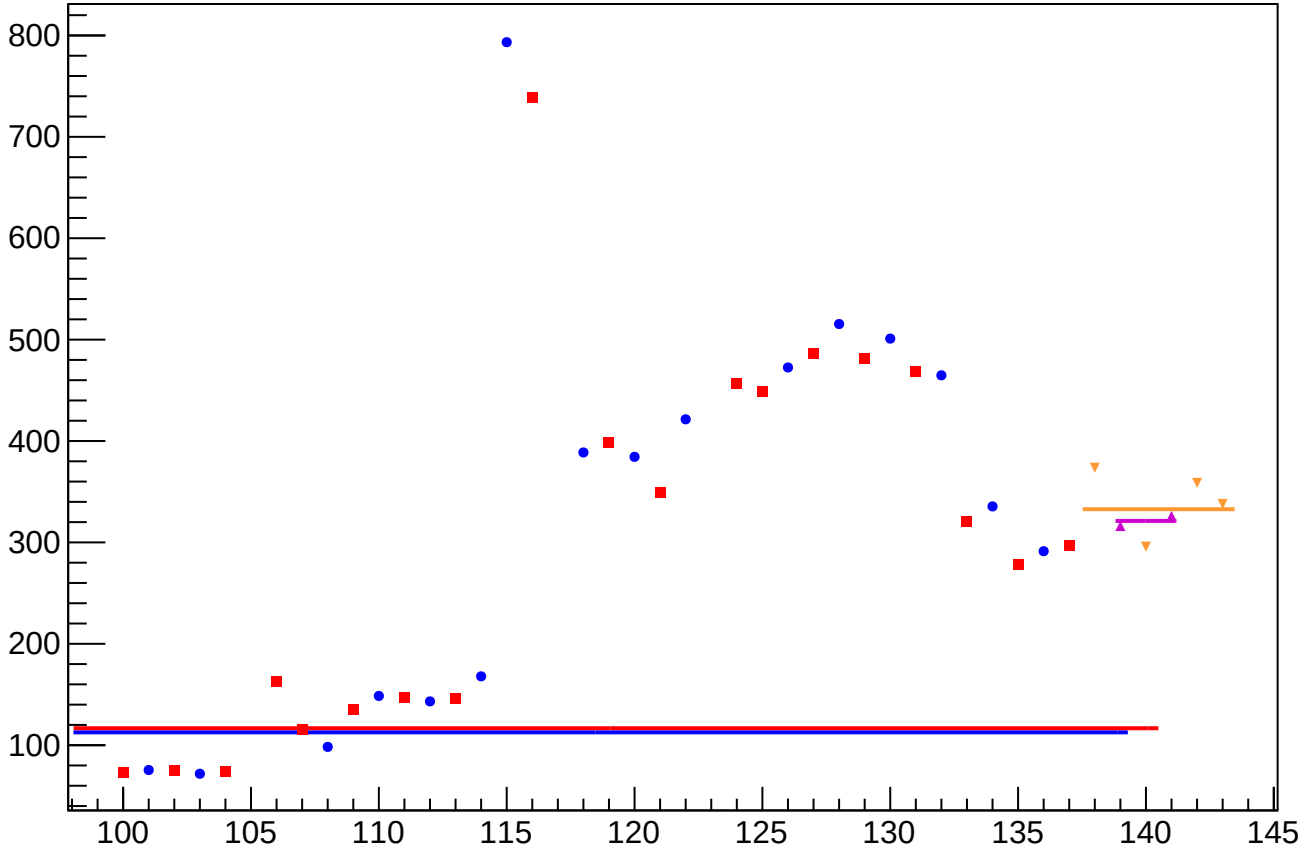
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 30.490+/-52.353 χ^2/NDF:16.1/17

Out: -53.868+/-51.374 χ^2/NDF:24.9/22

All: -12.485+/-36.668 χ^2/NDF: 42.4/40

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 332.756+/-0.139 χ^2/NDF:49740.9/3

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 321.172+/-0.174 χ^2/NDF:821.7/1

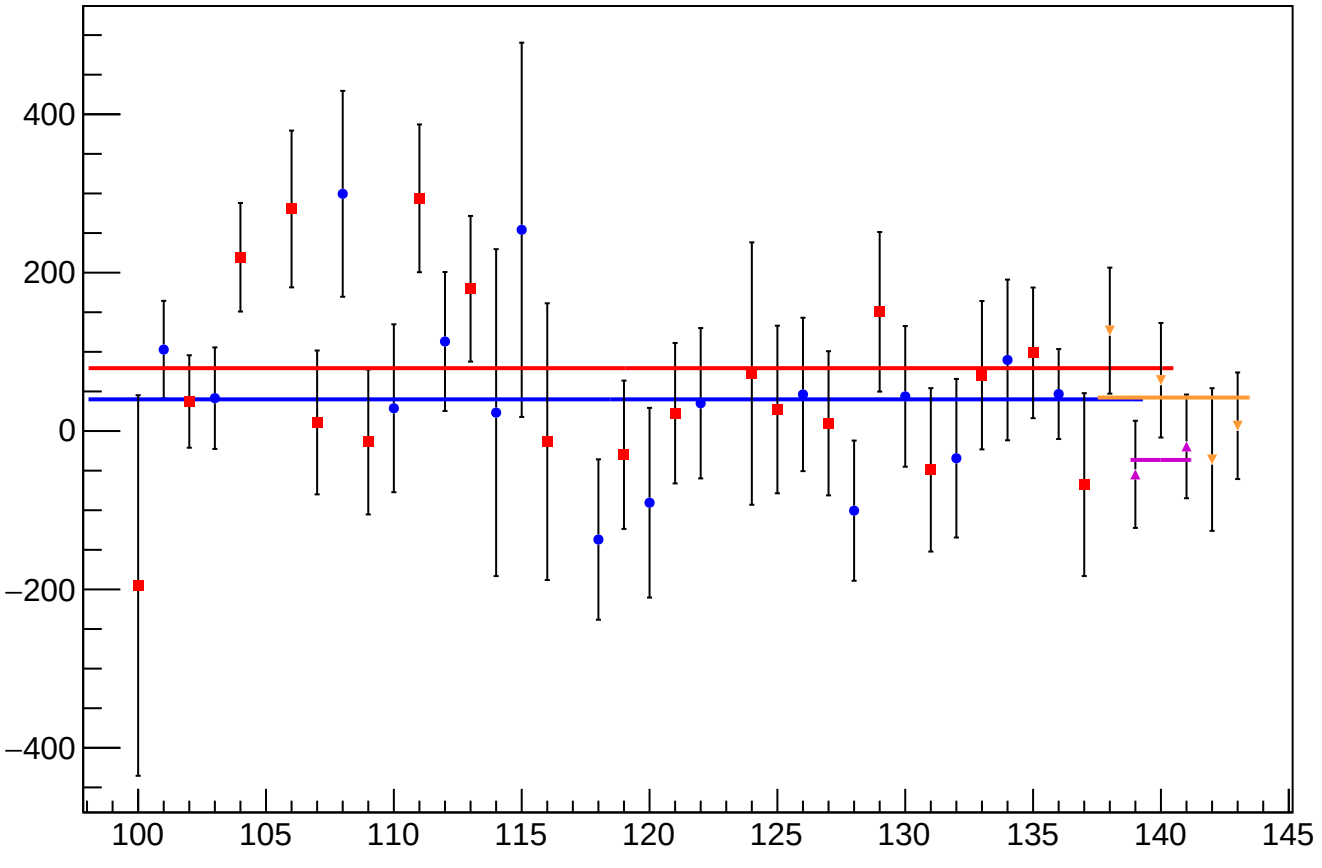
Left: 328.211+/-0.109 χ^2/NDF: 53268.4/5

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 122.150+/-0.037 χ^2/NDF:6977477.3/17

Out: 131.383+/-0.036 χ^2/NDF:7426726.4/22

All: 126.854+/-0.026 χ^2/NDF: 14435897.7/40



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 42.306+/-37.982 χ^2/NDF:2.3/3

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -36.478+/-47.039 χ^2/NDF:0.1/1

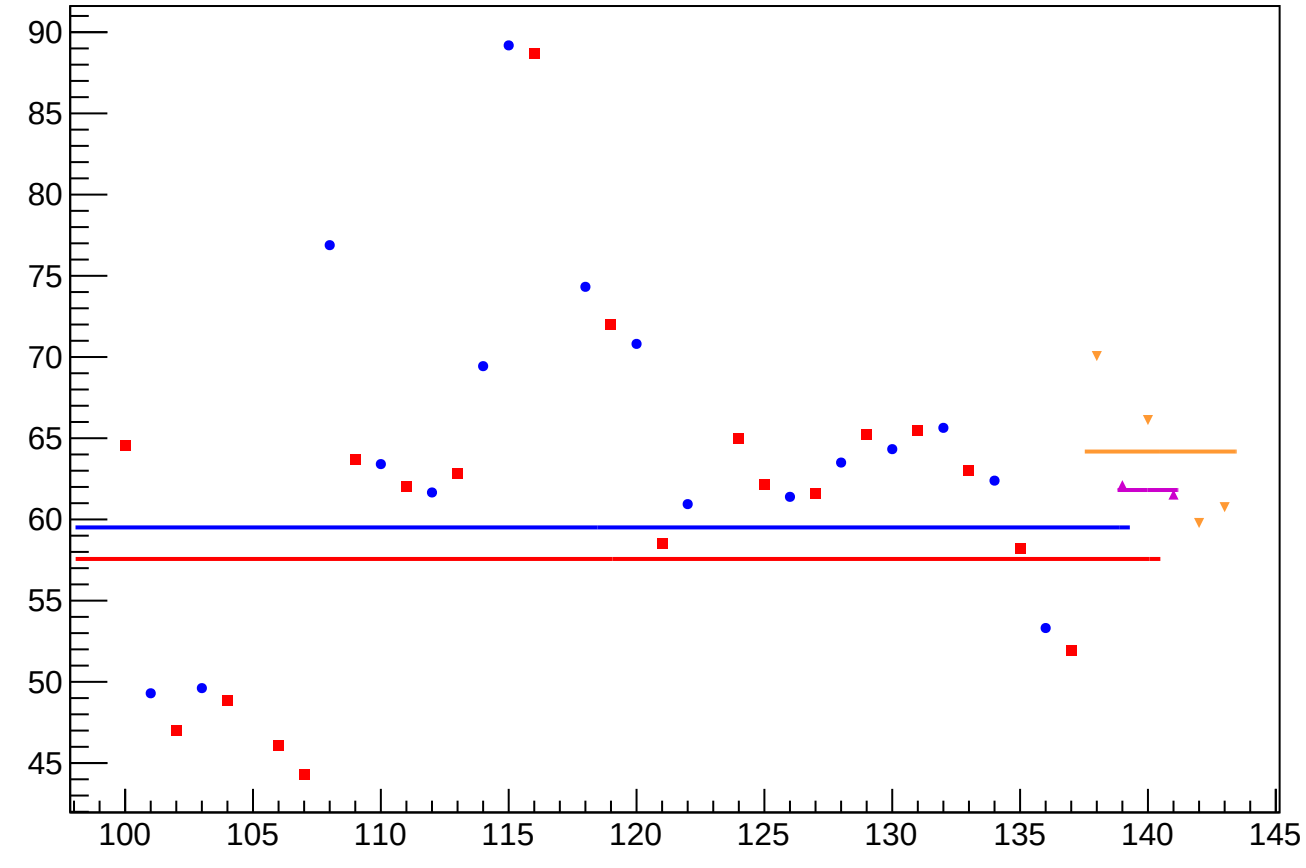
Left: 11.212+/-29.551 χ^2/NDF: 4.1/5

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 25.770+/-20.308 χ^2/NDF:16.4/17

Out: 70.333+/-18.761 χ^2/NDF:27.8/22

All: 49.813+/-13.781 χ^2/NDF: 46.8/40



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.180+/-0.027 χ^2/NDF:22301.7/3

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 61.812+/-0.033 χ^2/NDF:75.7/1

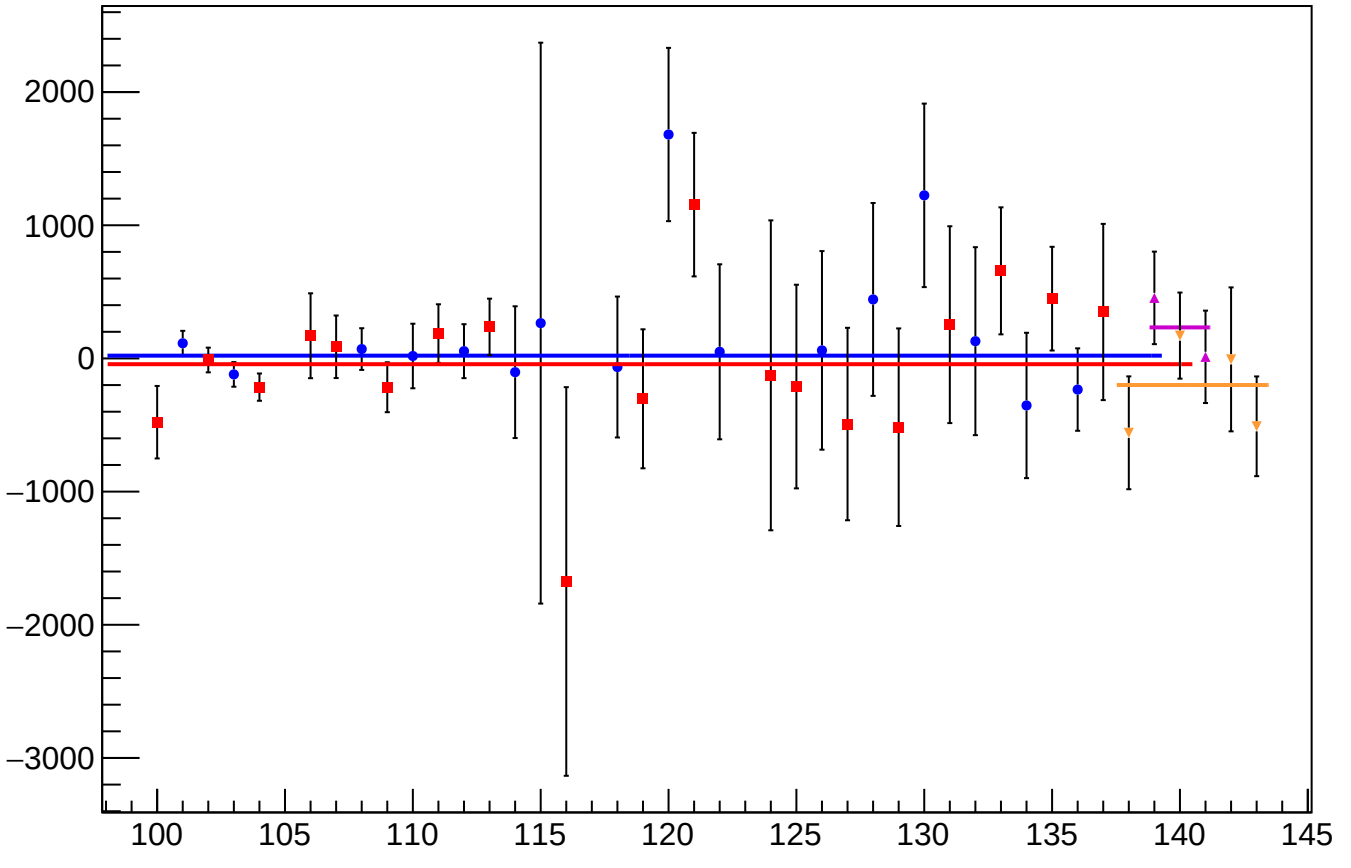
Left: 63.245+/-0.021 χ^2/NDF: 25445.6/5

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 59.938+/-0.014 χ^2/NDF:287167.7/17

Out: 59.180+/-0.013 χ^2/NDF:415516.1/22

All: 59.529+/-0.010 χ^2/NDF: 704186.0/40



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -199.654+/-197.275 χ^2/NDF:2.8/3

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: -29.880+/-153.779 χ^2/NDF: 5.5/5

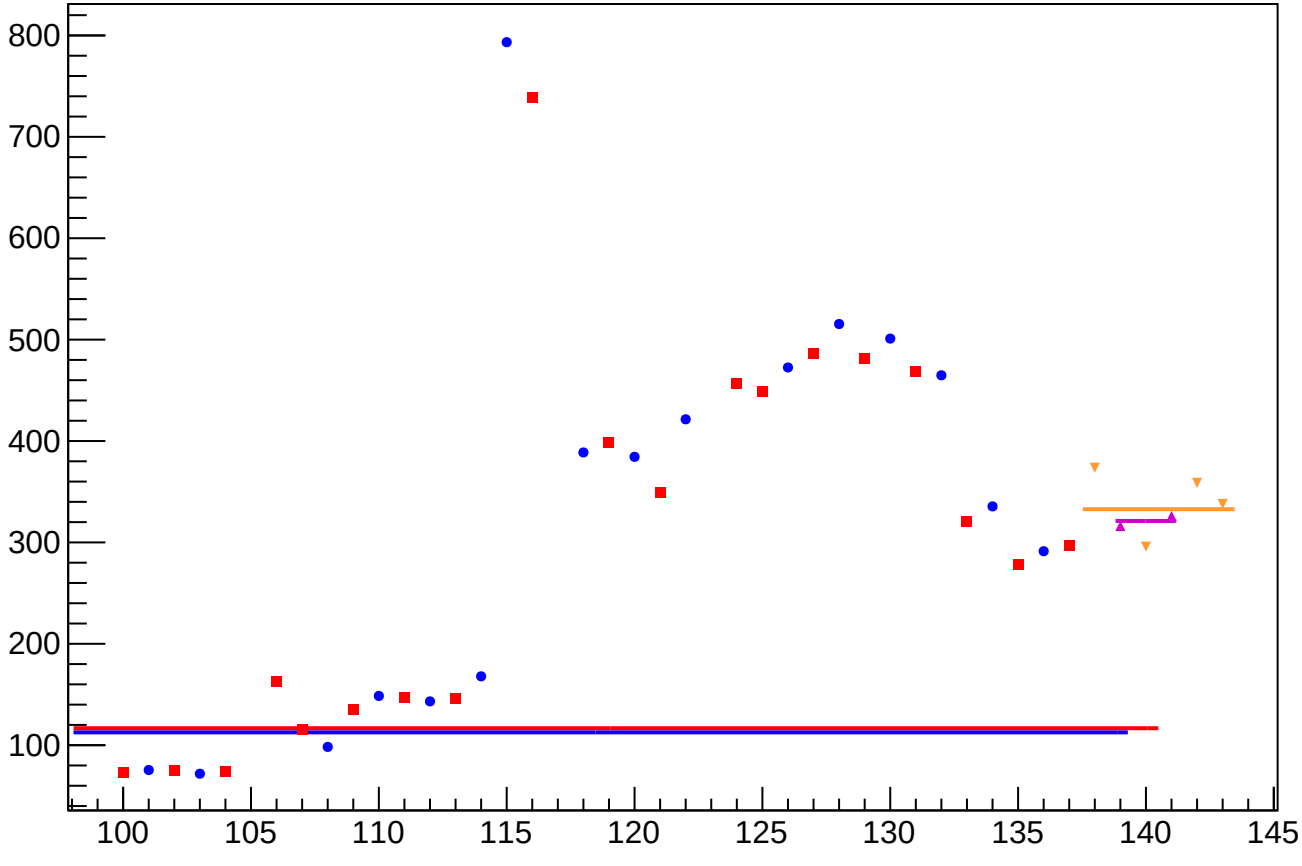
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 30.490+/-52.353 χ^2/NDF:16.1/17

Out: -53.868+/-51.374 χ^2/NDF:24.9/22

All: -12.485+/-36.668 χ^2/NDF: 42.4/40

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: 332.757+/-0.139 χ^2/NDF:49740.5/3

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: 328.213+/-0.109 χ^2/NDF: 53267.9/5

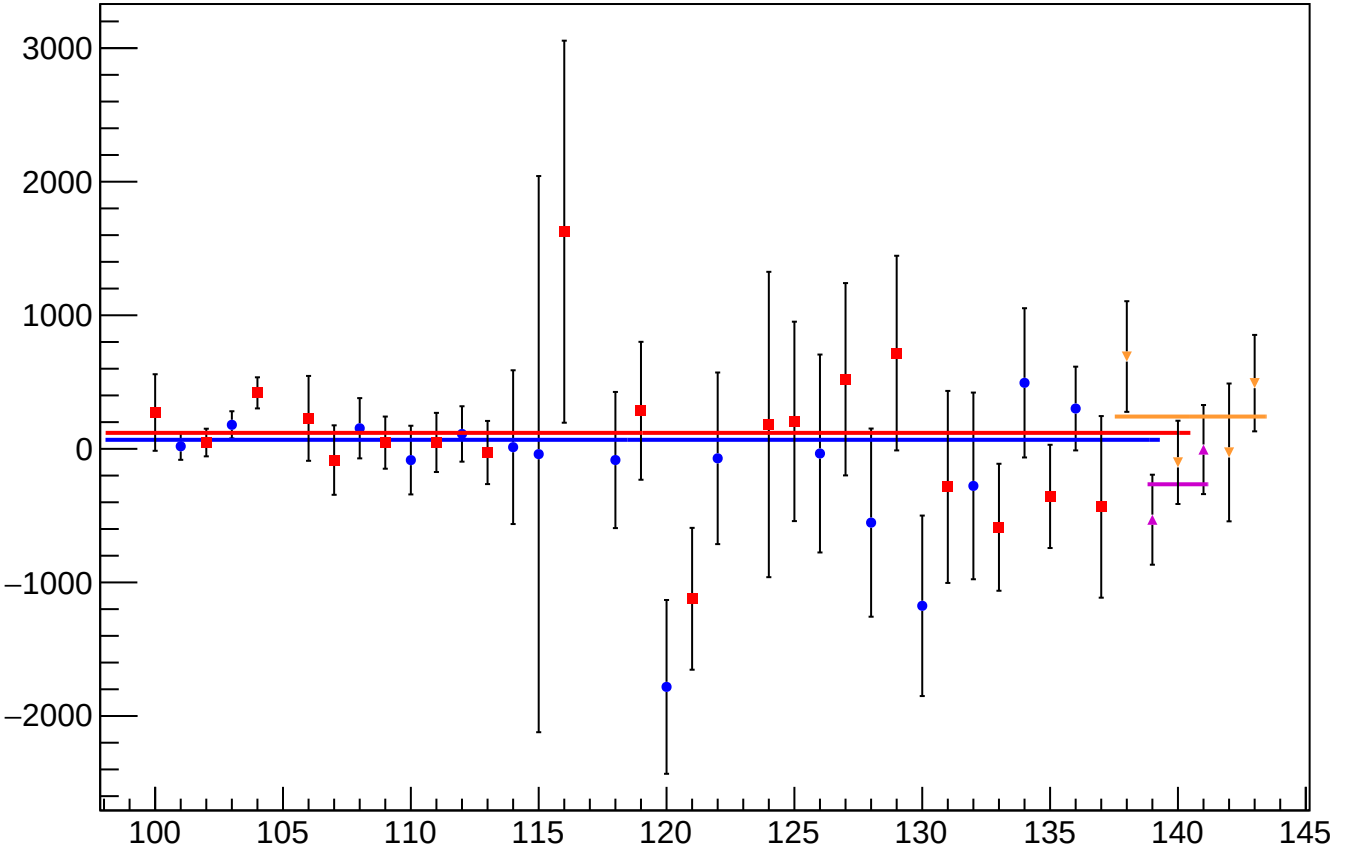
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 122.149+/-0.037 χ^2/NDF:6977485.4/17

Out: 131.383+/-0.036 χ^2/NDF:7426744.4/22

All: 126.853+/-0.026 χ^2/NDF: 14435922.8/40

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 241.758+/-190.506 χ^2/NDF:3.1/3

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: 42.778+/-148.485 χ^2/NDF: 7.1/5

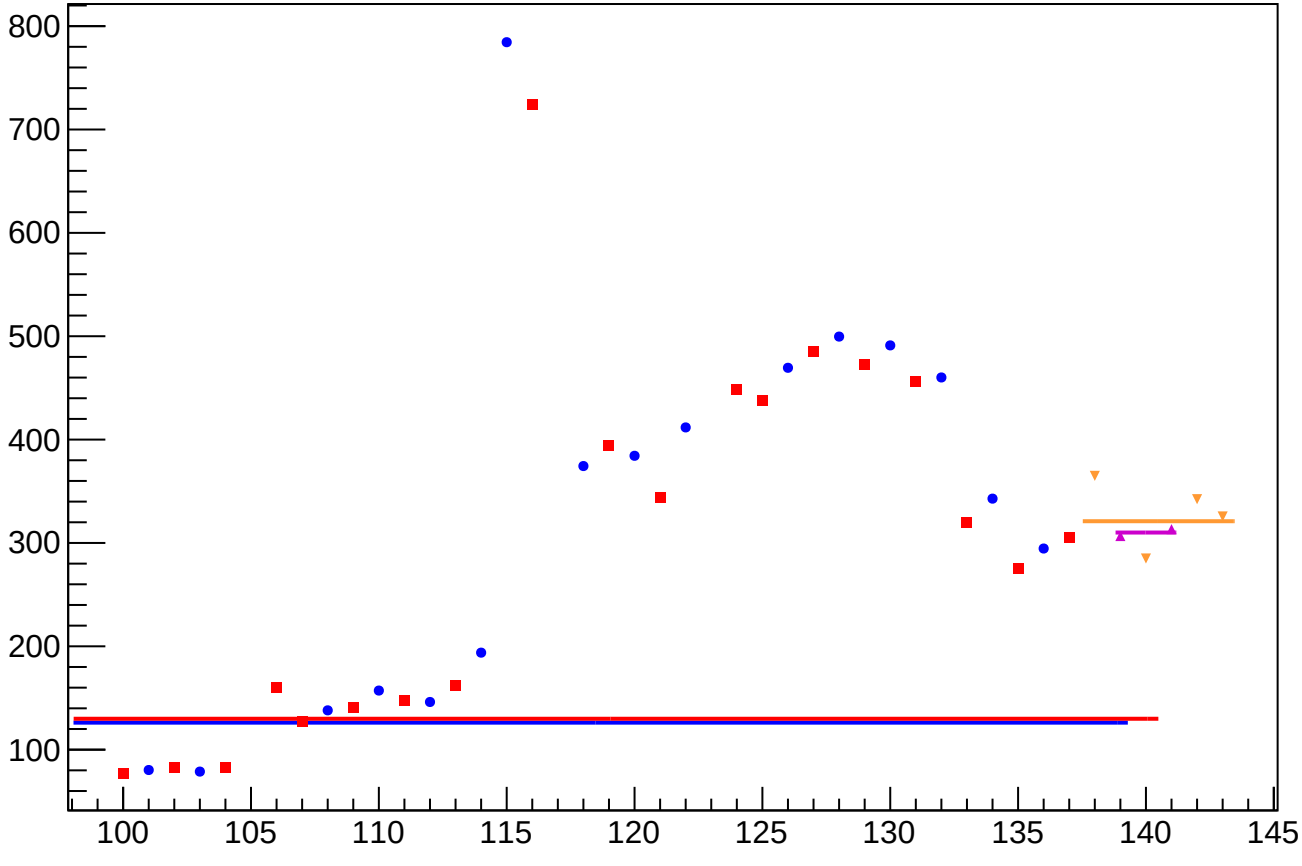
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 48.095+/-57.407 χ^2/NDF:18.9/17

Out: 129.975+/-55.434 χ^2/NDF:24.7/22

All: 90.466+/-39.877 χ^2/NDF: 44.6/40

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 321.024+/-0.135 χ^2/NDF:52974.5/3

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 310.070+/-0.168 χ^2/NDF:396.7/1

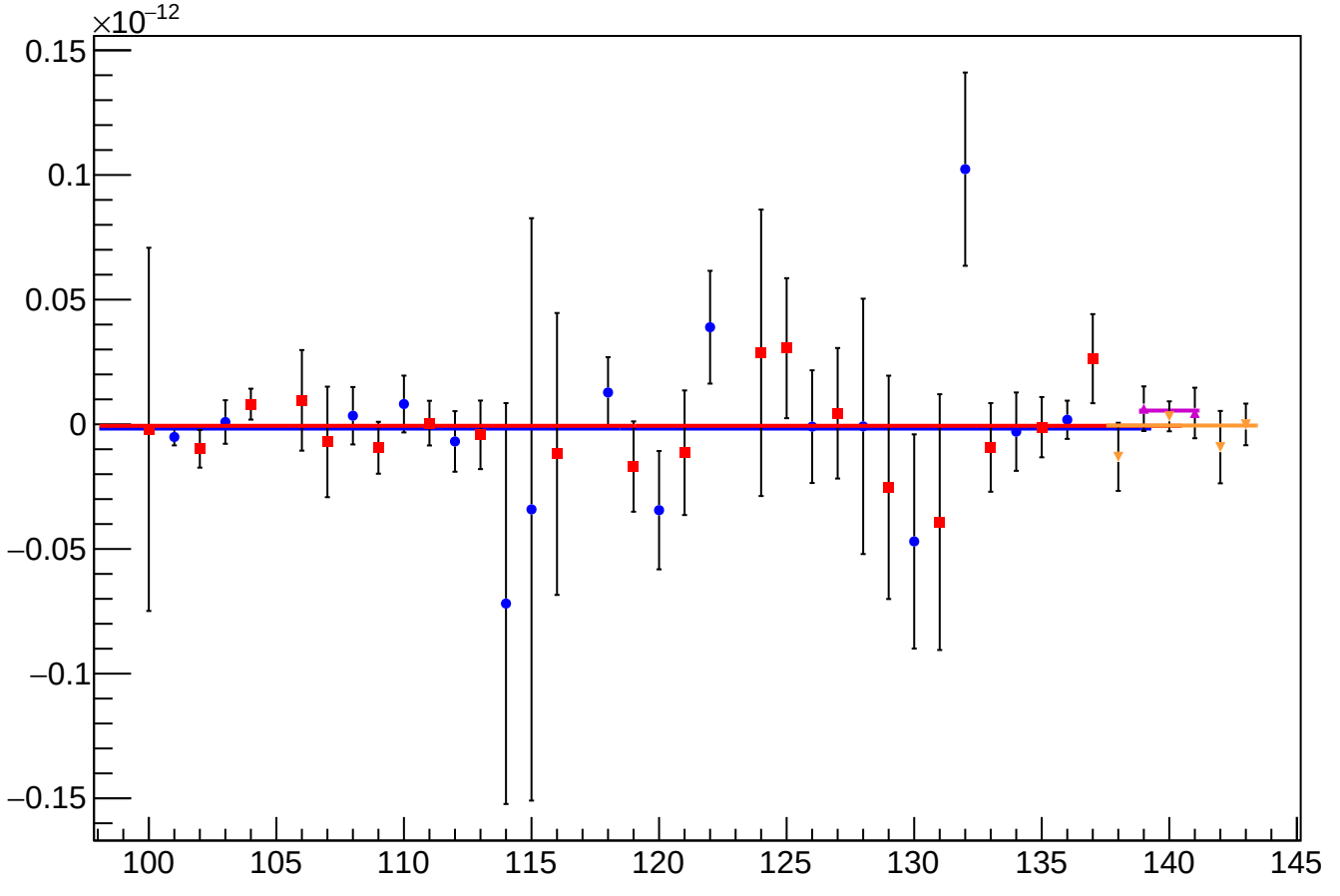
Left: 316.724+/-0.105 χ^2/NDF: 55966.6/5

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 136.944+/-0.041 χ^2/NDF:6354179.4/17

Out: 146.096+/-0.039 χ^2/NDF:6542929.7/22

All: 141.680+/-0.028 χ^2/NDF: 12923413.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

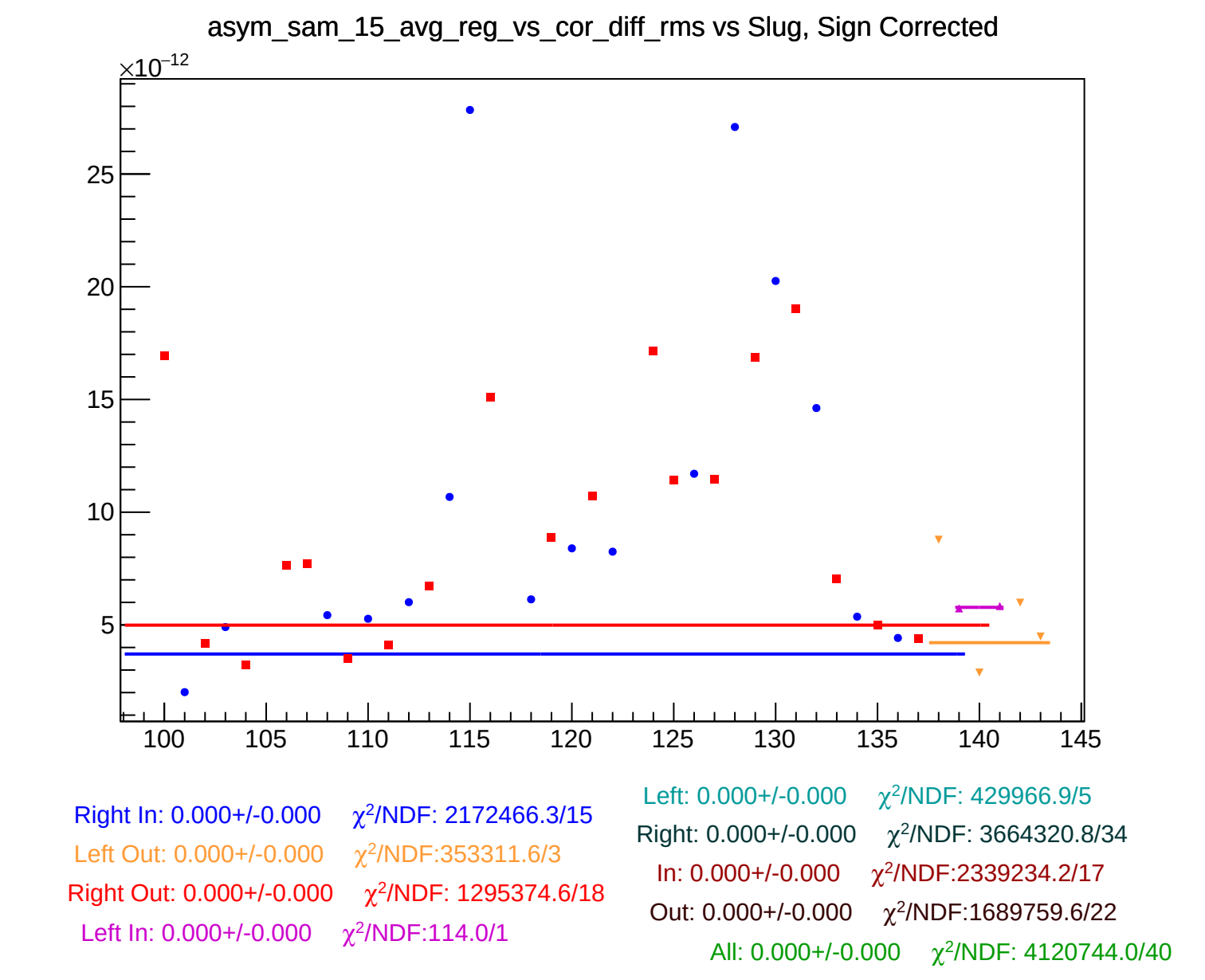
Left: 0.000+/-0.000 χ^2/NDF: 2.2/5

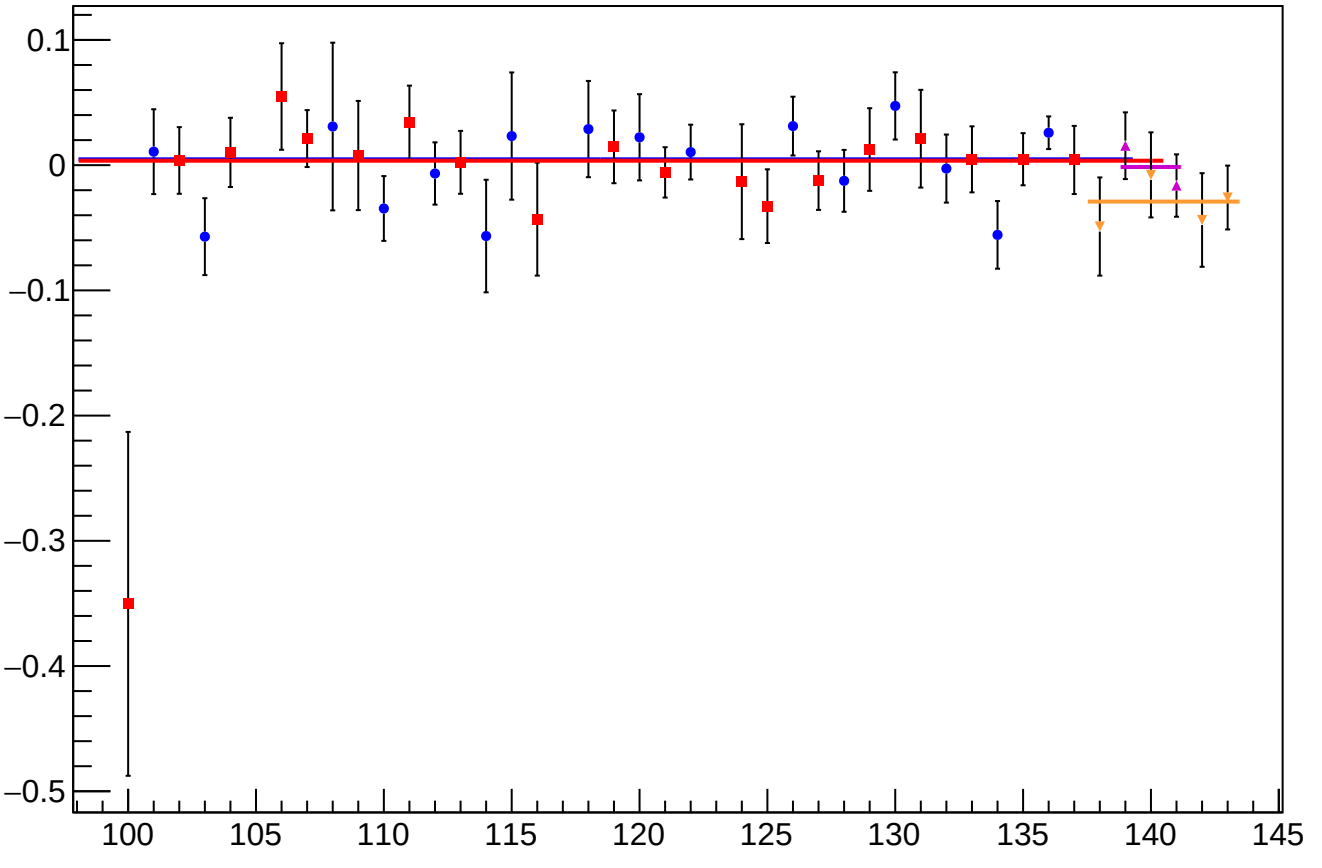
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:18.8/17

Out: -0.000+/-0.000 χ^2/NDF:12.1/22

All: -0.000+/-0.000 χ^2/NDF: 30.9/40


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:353311.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:114.0/1
Left: 0.000+/-0.000 χ²/NDF: 429966.9/5
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2339234.2/17
Out: 0.000+/-0.000 χ²/NDF:1689759.6/22
All: 0.000+/-0.000 χ²/NDF: 4120744.0/40



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

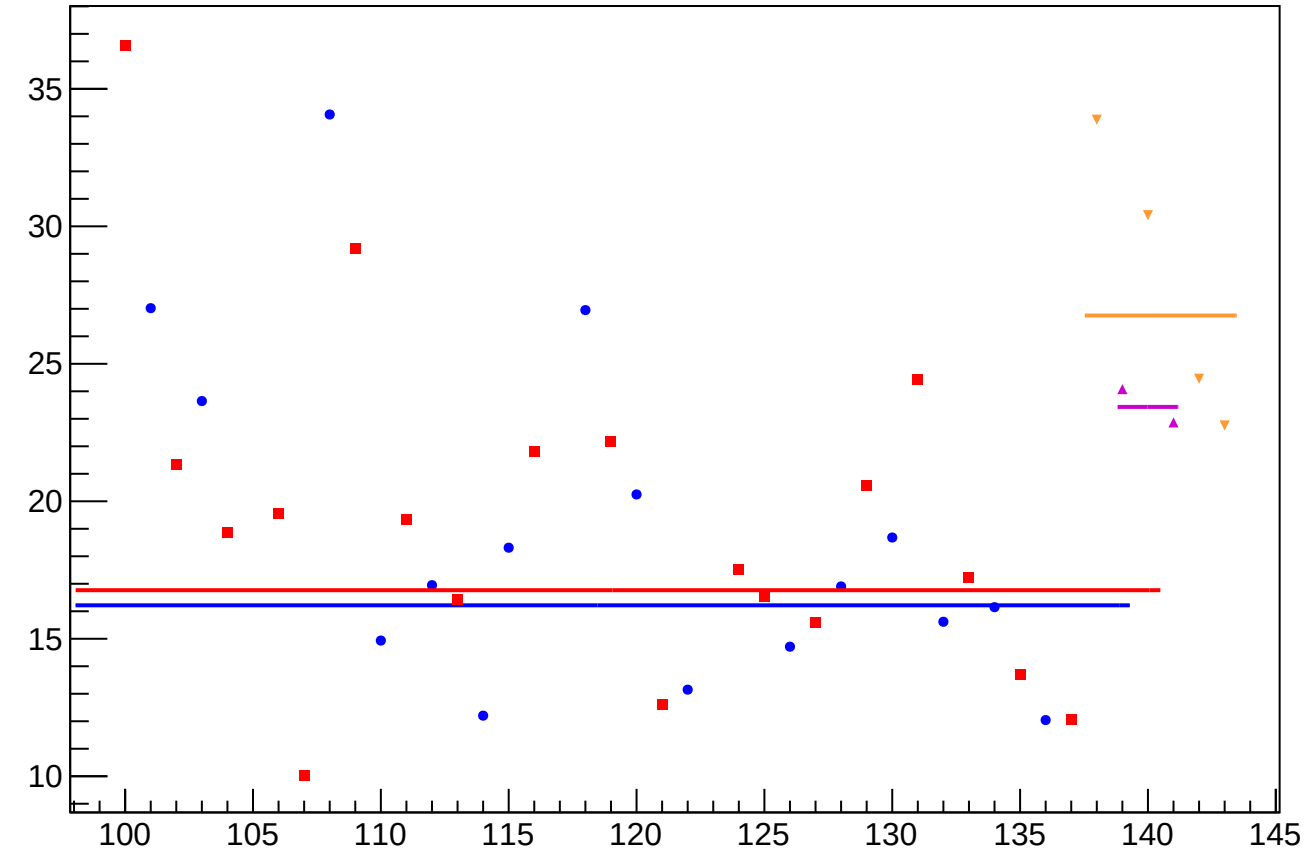
Left: -0.017+/-0.012 χ^2/NDF: 2.9/5

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.001+/-0.004 χ^2/NDF: 40.5/40



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 26.757+/-0.012 χ^2/NDF:145786.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 23.433+/-0.013 χ^2/NDF:2199.4/1

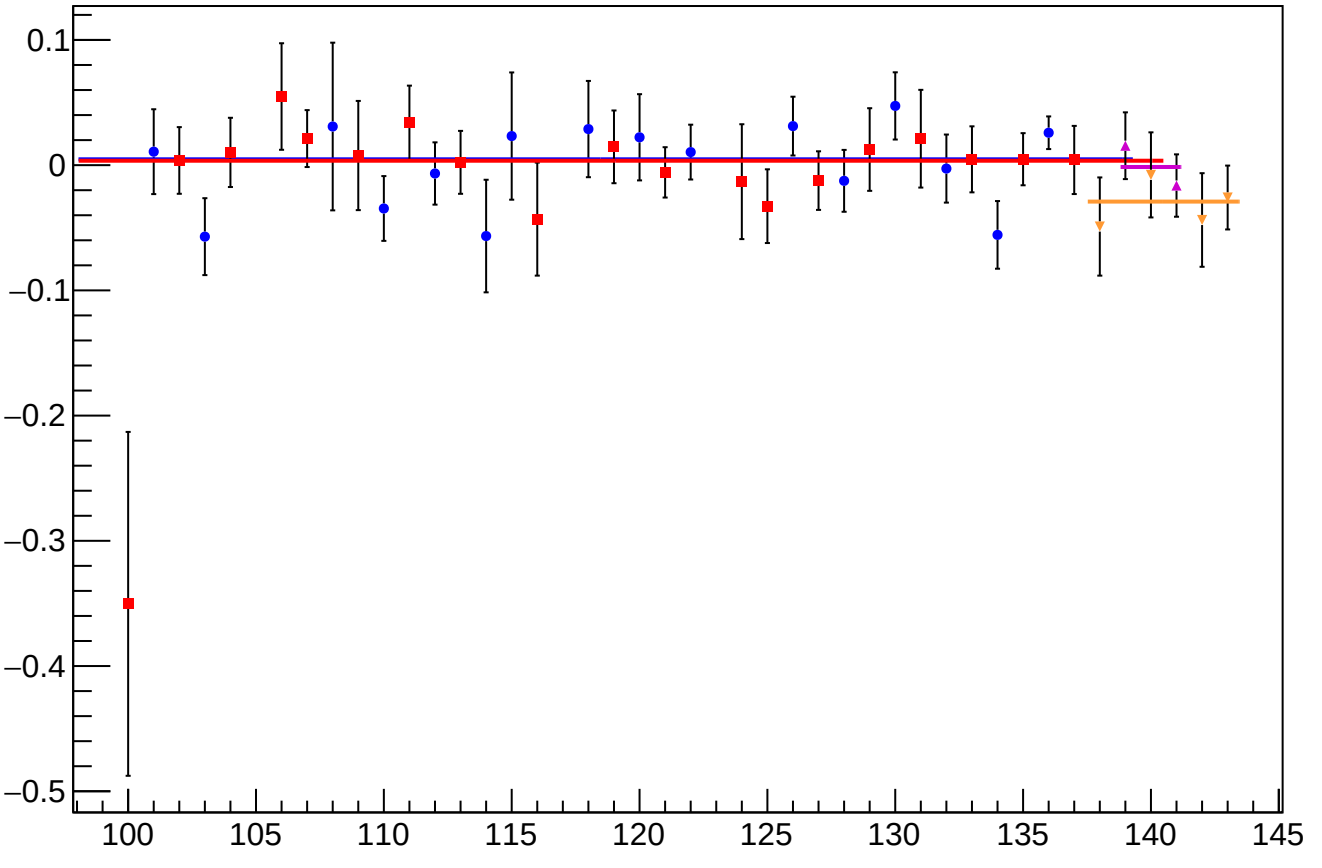
Left: 25.278+/-0.009 χ^2/NDF: 185034.0/5

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.047+/-0.004 χ^2/NDF:1224258.0/17

Out: 18.185+/-0.004 χ^2/NDF:1658178.5/22

All: 17.620+/-0.003 χ^2/NDF: 2916585.9/40



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

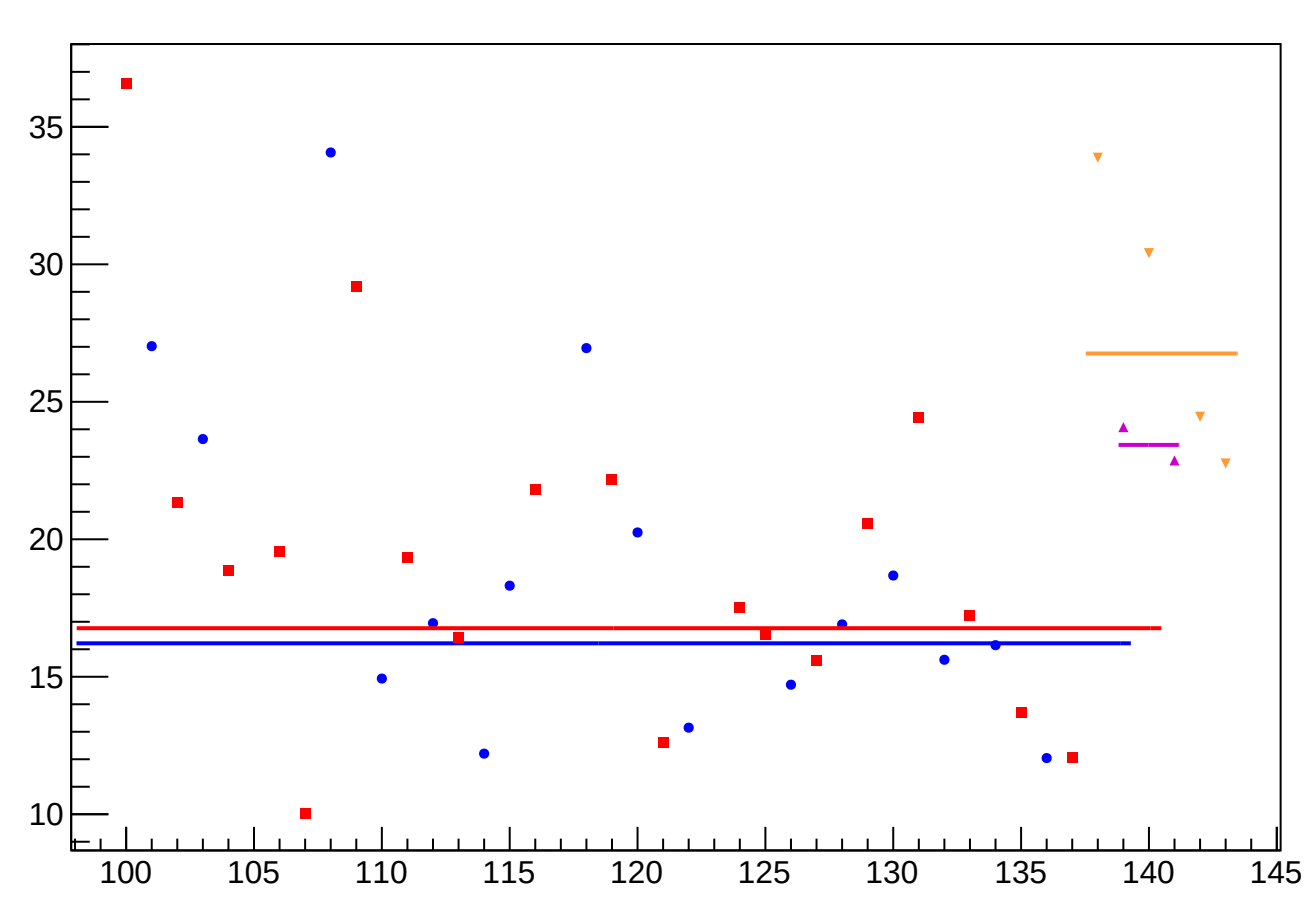
Left: -0.017+/-0.012 χ^2/NDF: 2.9/5

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.001+/-0.004 χ^2/NDF: 40.5/40



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 26.757+/-0.012 χ^2/NDF:145786.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 23.433+/-0.013 χ^2/NDF:2199.4/1

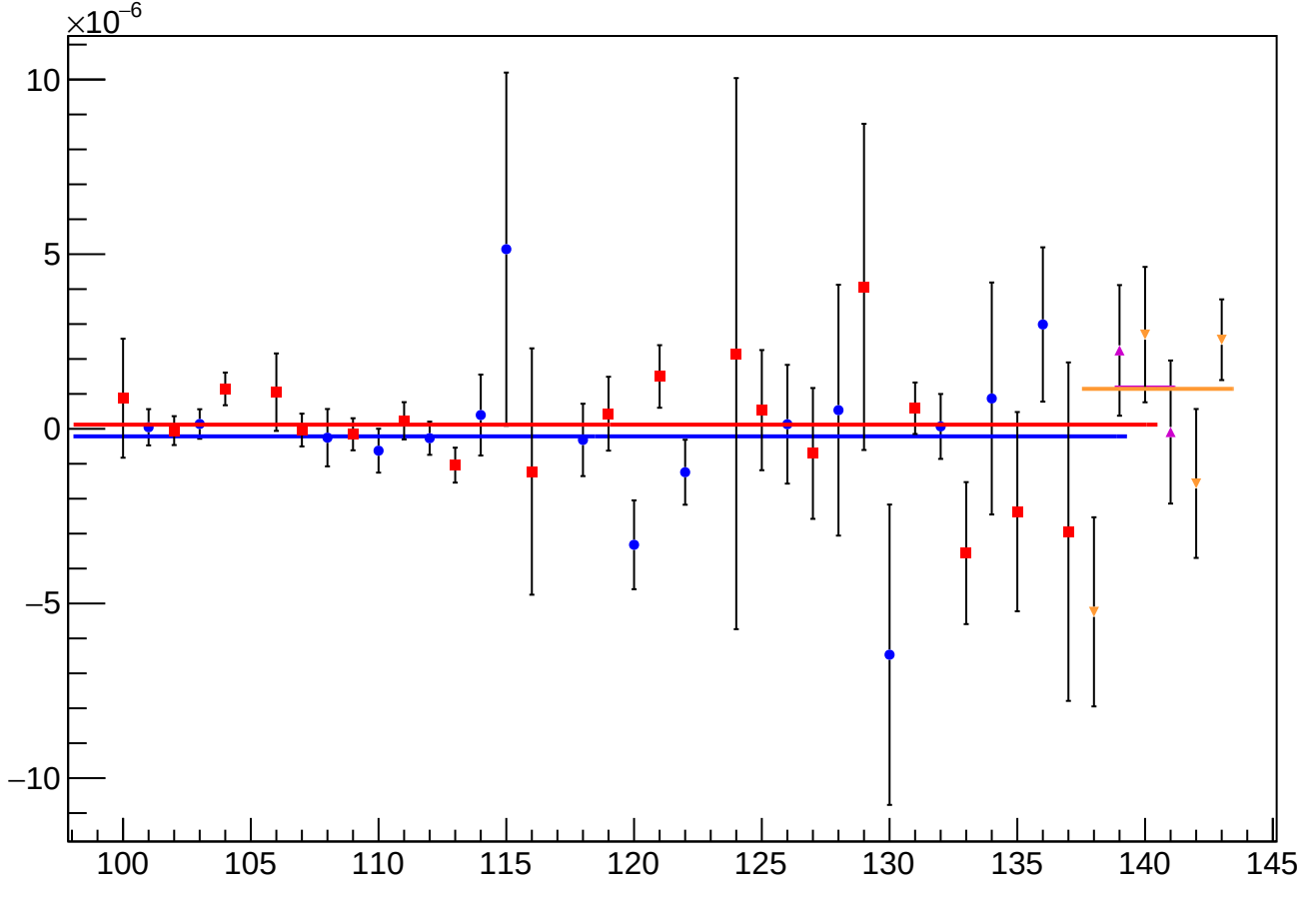
Left: 25.278+/-0.009 χ^2/NDF: 185034.0/5

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.047+/-0.004 χ^2/NDF:1224258.0/17

Out: 18.185+/-0.004 χ^2/NDF:1658178.5/22

All: 17.620+/-0.003 χ^2/NDF: 2916585.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

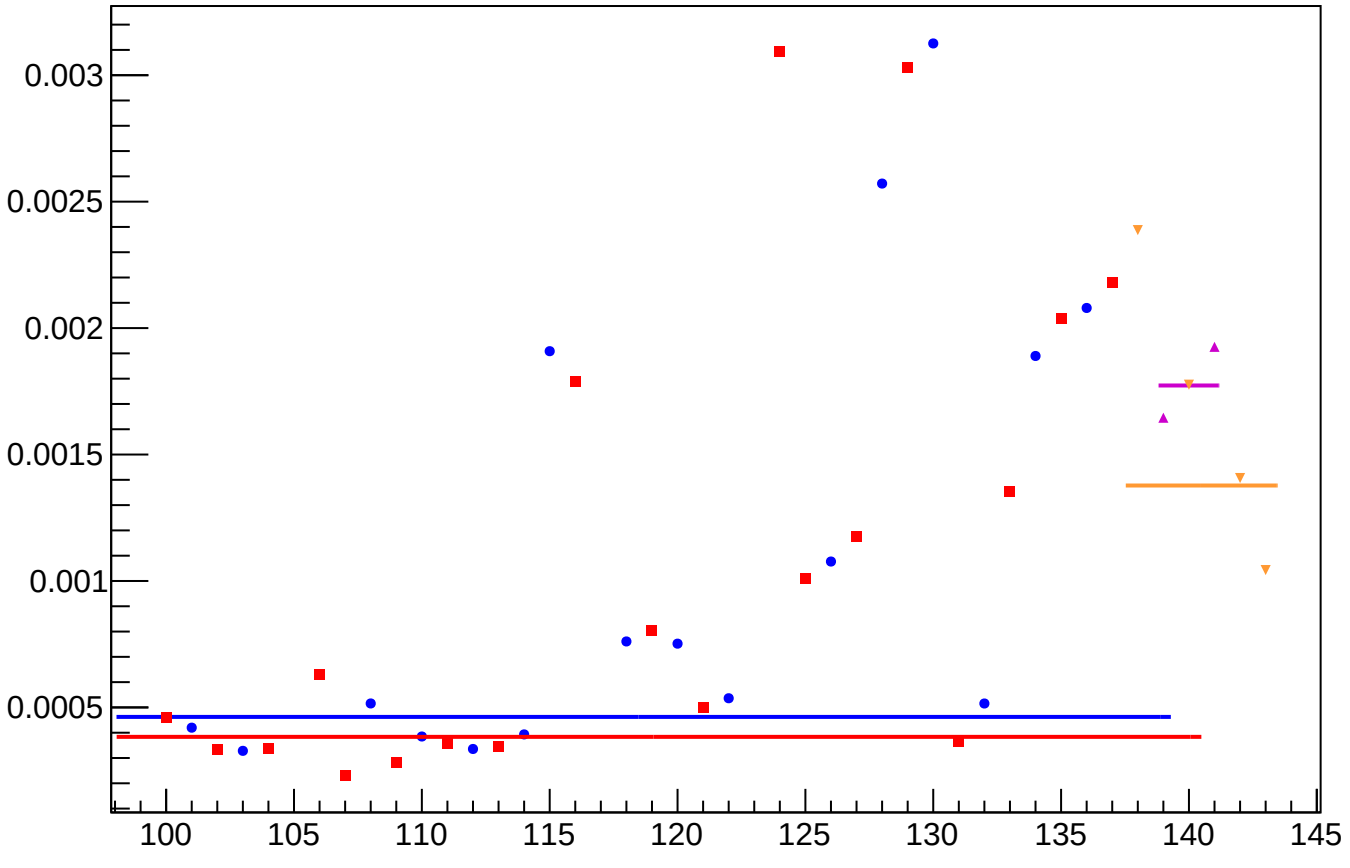
Left: 0.000+/-0.000 χ^2/NDF: 10.0/5

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:30.9/22

All: 0.000+/-0.000 χ^2/NDF: 48.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:530820.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.002+/-0.000 χ^2/NDF:20430.3/1

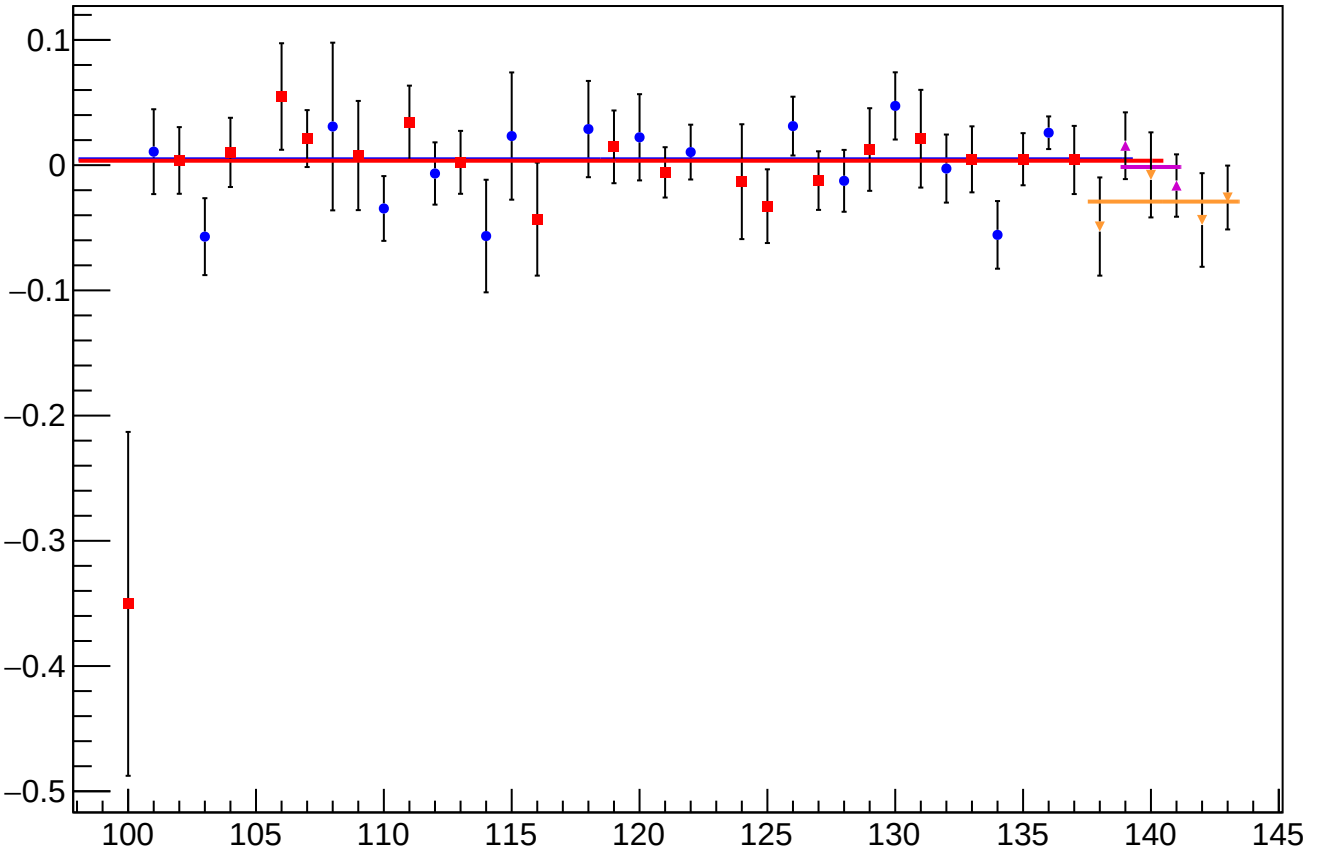
Left: 0.001+/-0.000 χ^2/NDF: 669923.7/5

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:7192385.9/22

All: 0.000+/-0.000 χ^2/NDF: 13123607.5/40



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.001+/-0.018 χ^2/NDF:0.8/1

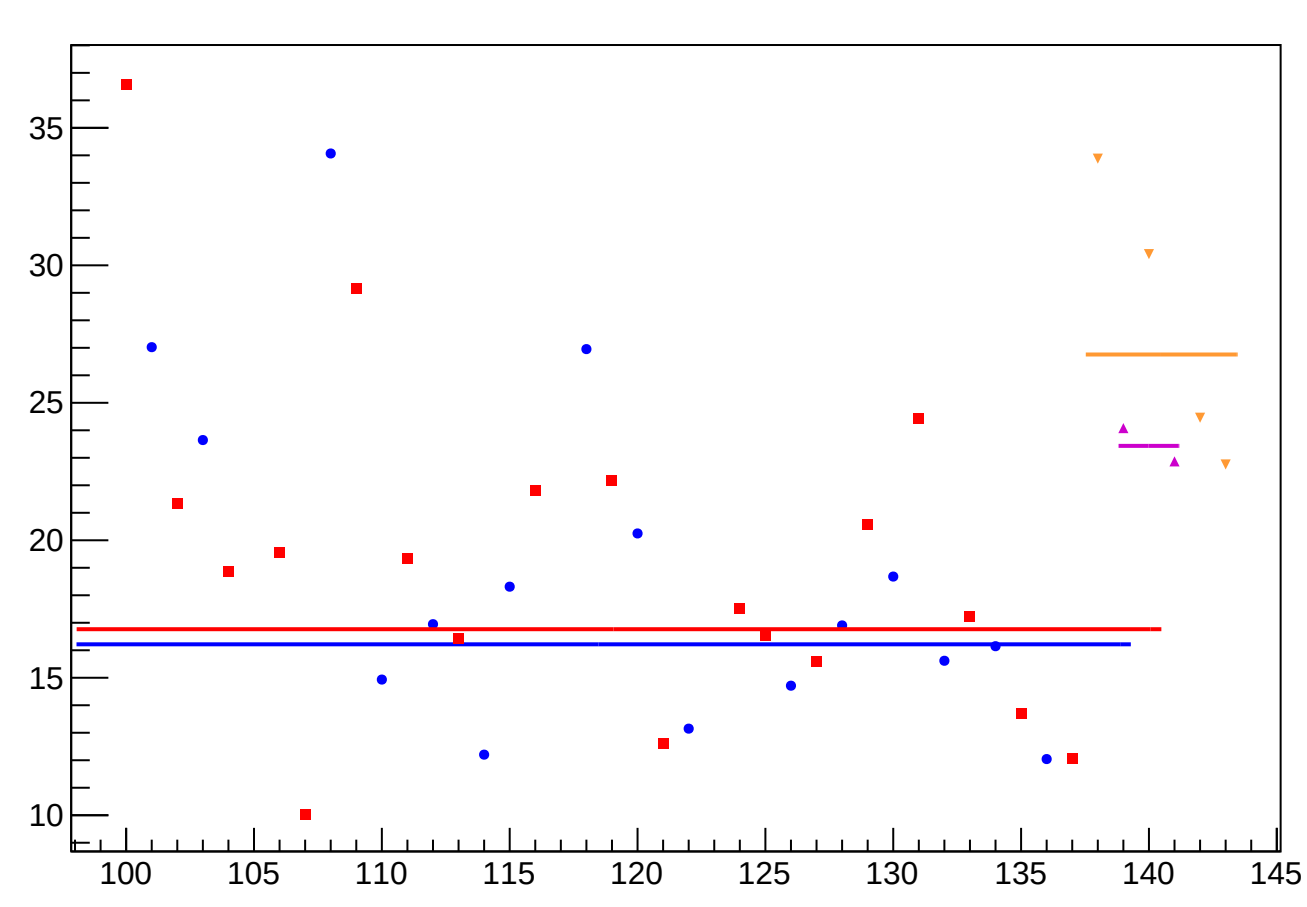
Left: -0.017+/-0.012 χ^2/NDF: 2.9/5

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.001+/-0.004 χ^2/NDF: 40.5/40



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 26.757+/-0.012 χ^2/NDF:145824.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 23.434+/-0.013 χ^2/NDF:2198.8/1

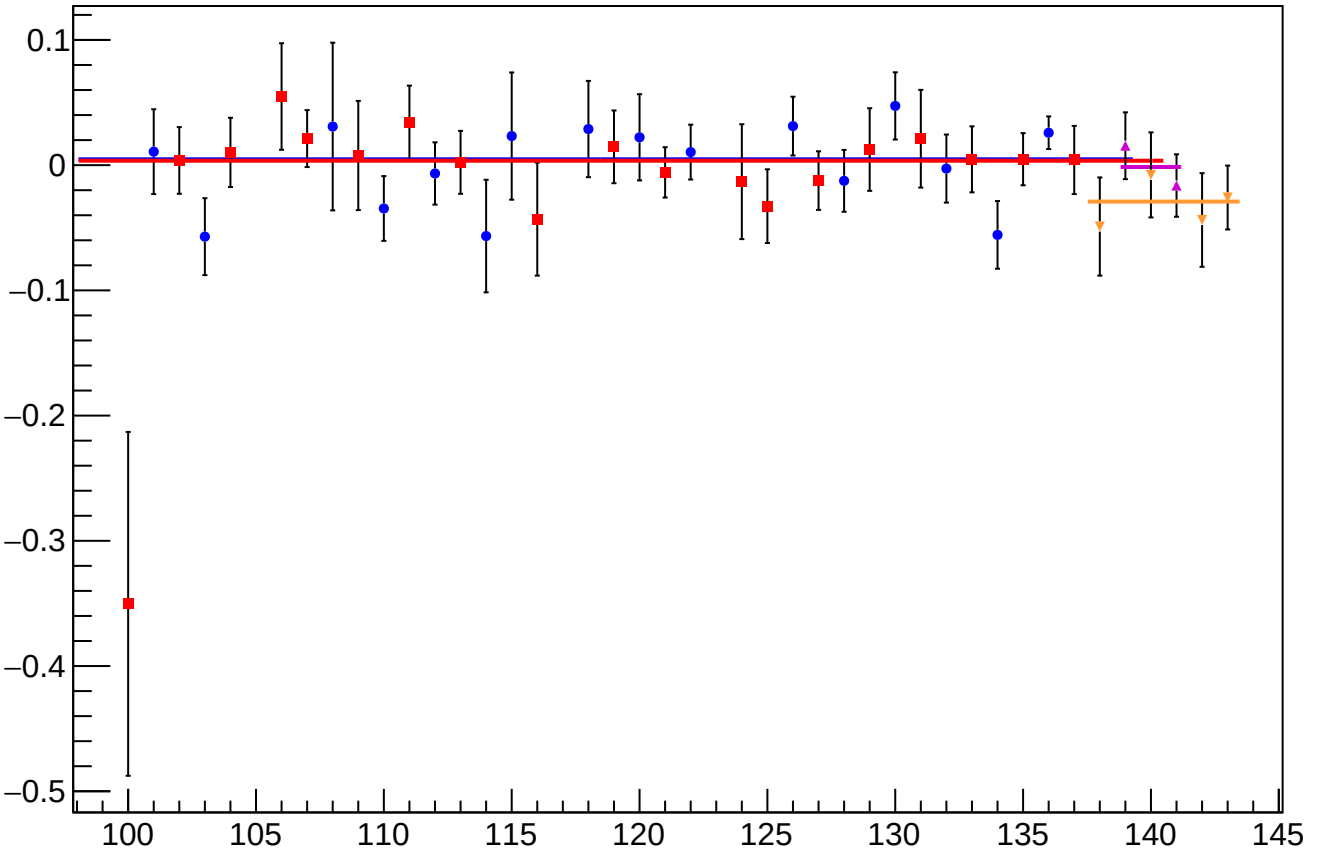
Left: 25.279+/-0.009 χ^2/NDF: 185049.9/5

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.047+/-0.004 χ^2/NDF:1224299.3/17

Out: 18.185+/-0.004 χ^2/NDF:1658254.1/22

All: 17.620+/-0.003 χ^2/NDF: 2916697.8/40



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.029+/-0.016 χ^2/NDF:0.8/3

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: -0.017+/-0.012 χ^2/NDF: 2.9/5

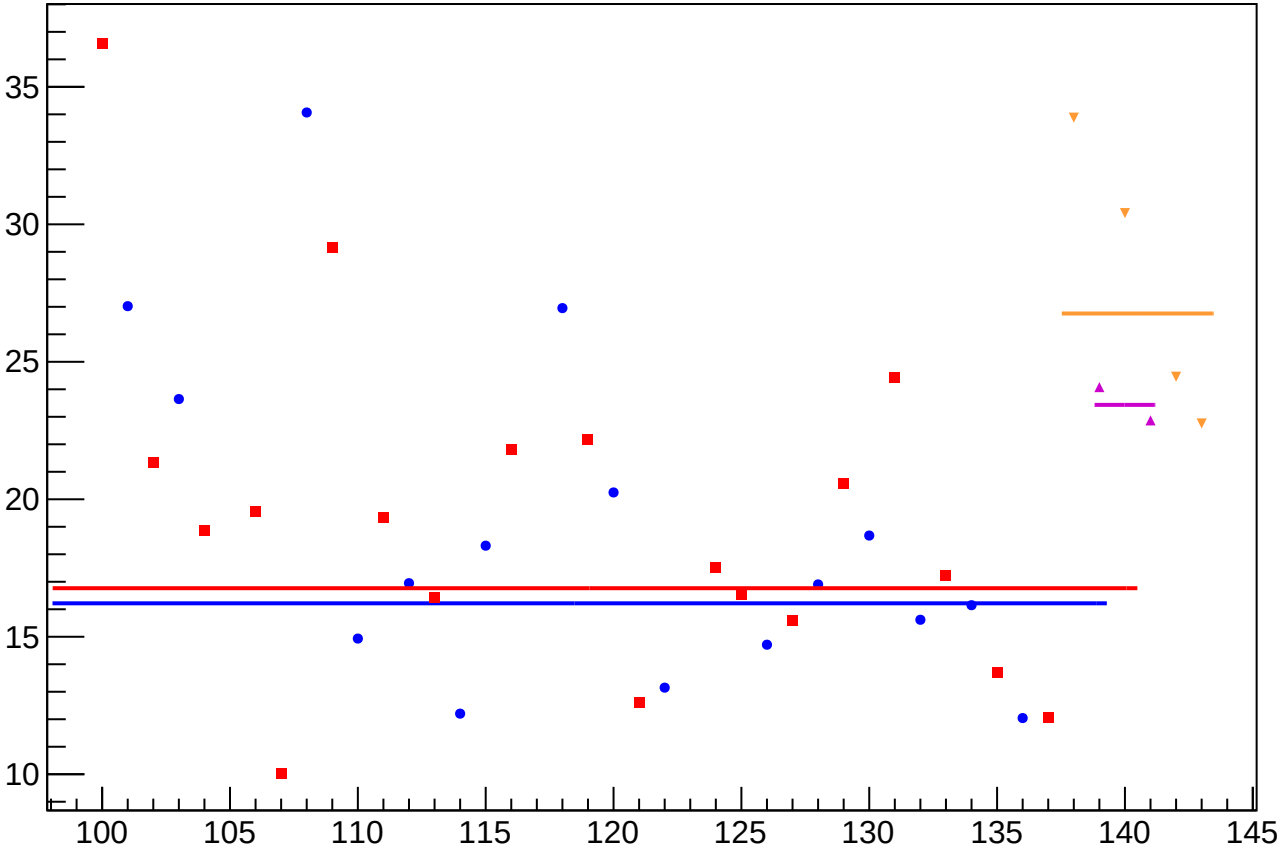
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.006 χ^2/NDF:22.3/17

Out: -0.001+/-0.006 χ^2/NDF:17.9/22

All: 0.001+/-0.004 χ^2/NDF: 40.5/40

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 26.757+/-0.012 χ^2/NDF:145824.5/3

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 23.434+/-0.013 χ^2/NDF:2198.8/1

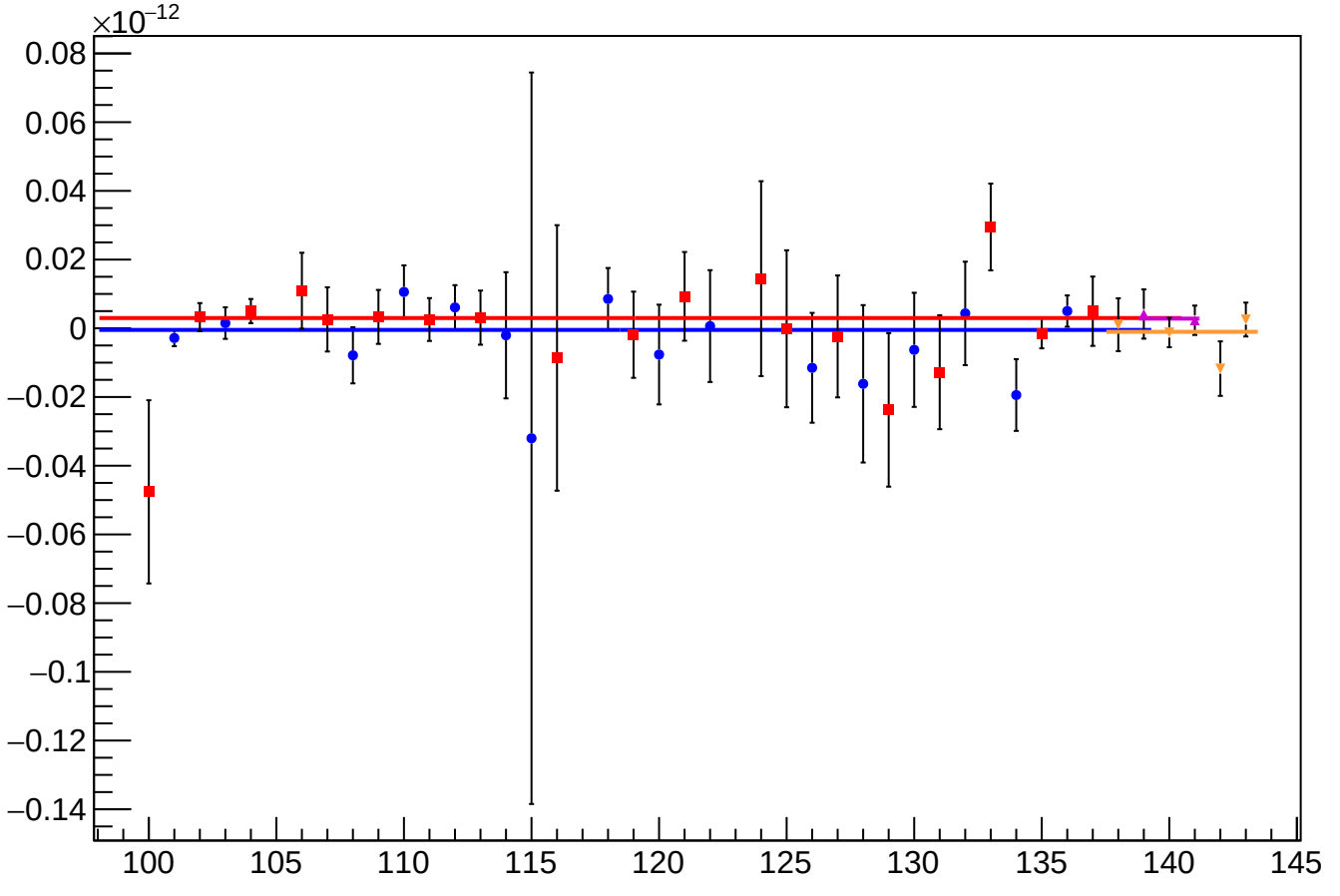
Left: 25.279+/-0.009 χ^2/NDF: 185049.9/5

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.047+/-0.004 χ^2/NDF:1224299.3/17

Out: 18.185+/-0.004 χ^2/NDF:1658254.1/22

All: 17.620+/-0.003 χ^2/NDF: 2916697.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

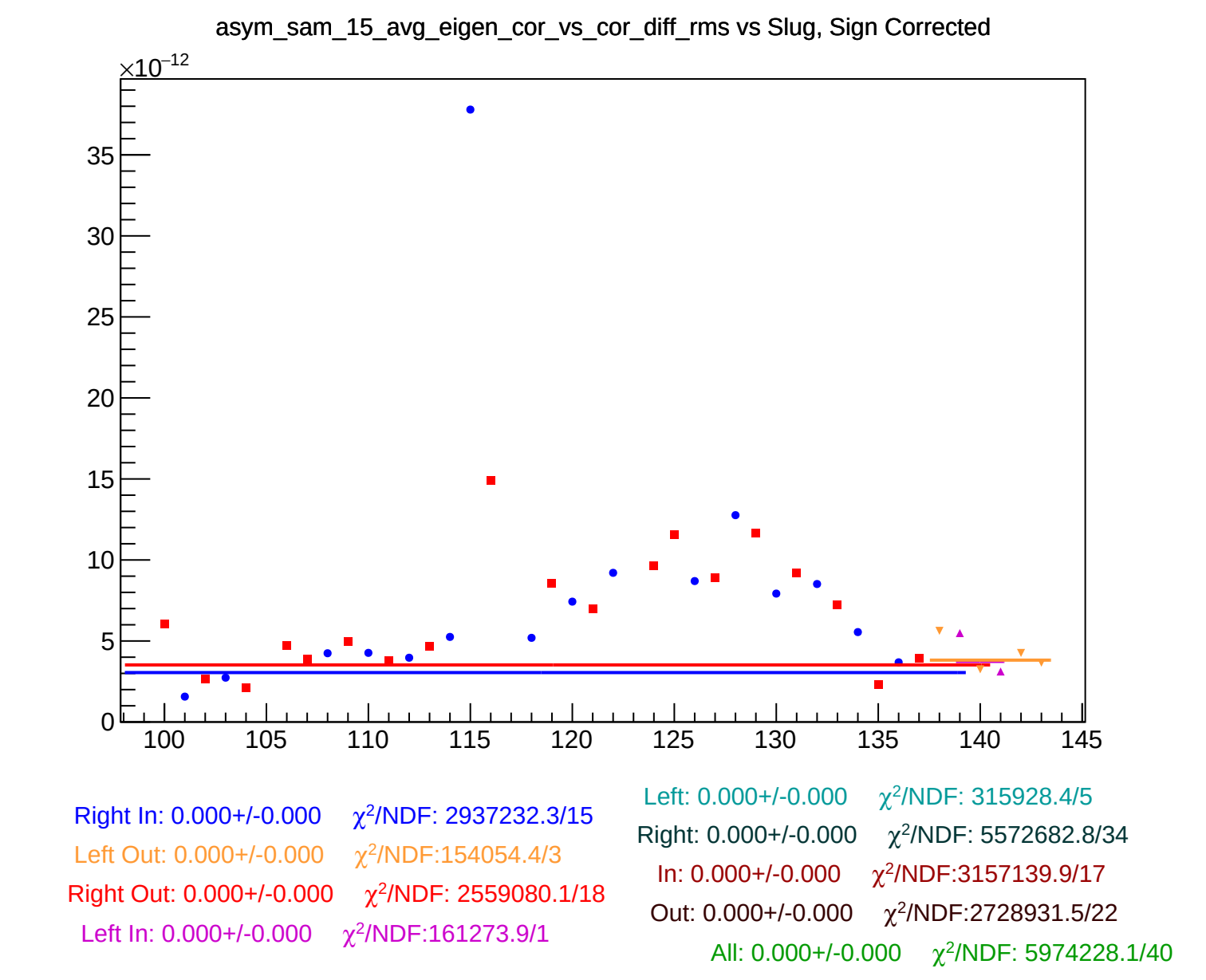
Left: 0.000+/-0.000 χ^2/NDF: 3.2/5

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:16.9/22

All: 0.000+/-0.000 χ^2/NDF: 30.6/40


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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25
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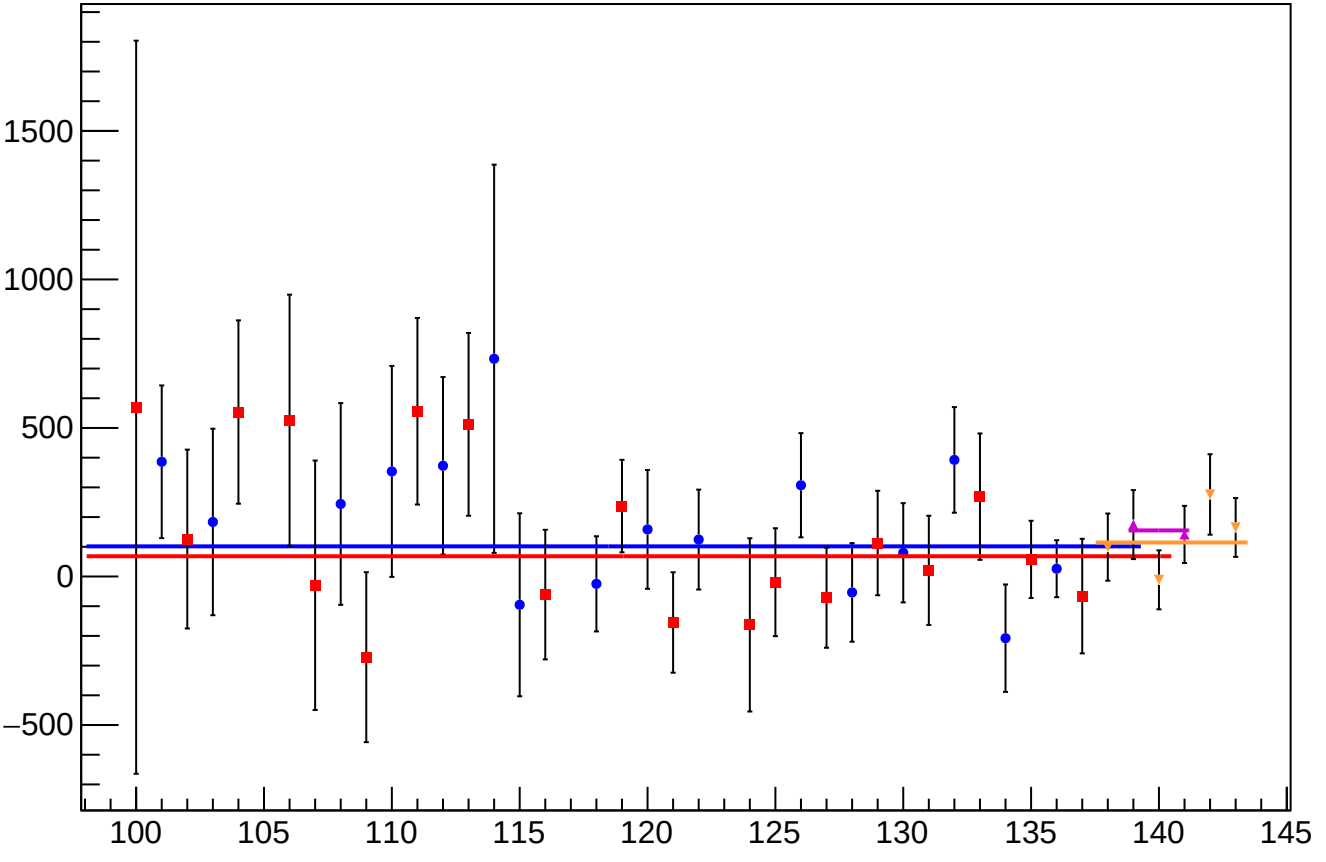
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:154054.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:161273.9/1
Left: 0.000+/-0.000 χ²/NDF: 315928.4/5
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3157139.9/17
Out: 0.000+/-0.000 χ²/NDF:2728931.5/22
All: 0.000+/-0.000 χ²/NDF: 5974228.1/40

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 114.526+/-54.545 χ^2/NDF:3.3/3

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 155.069+/-74.081 χ^2/NDF:0.0/1

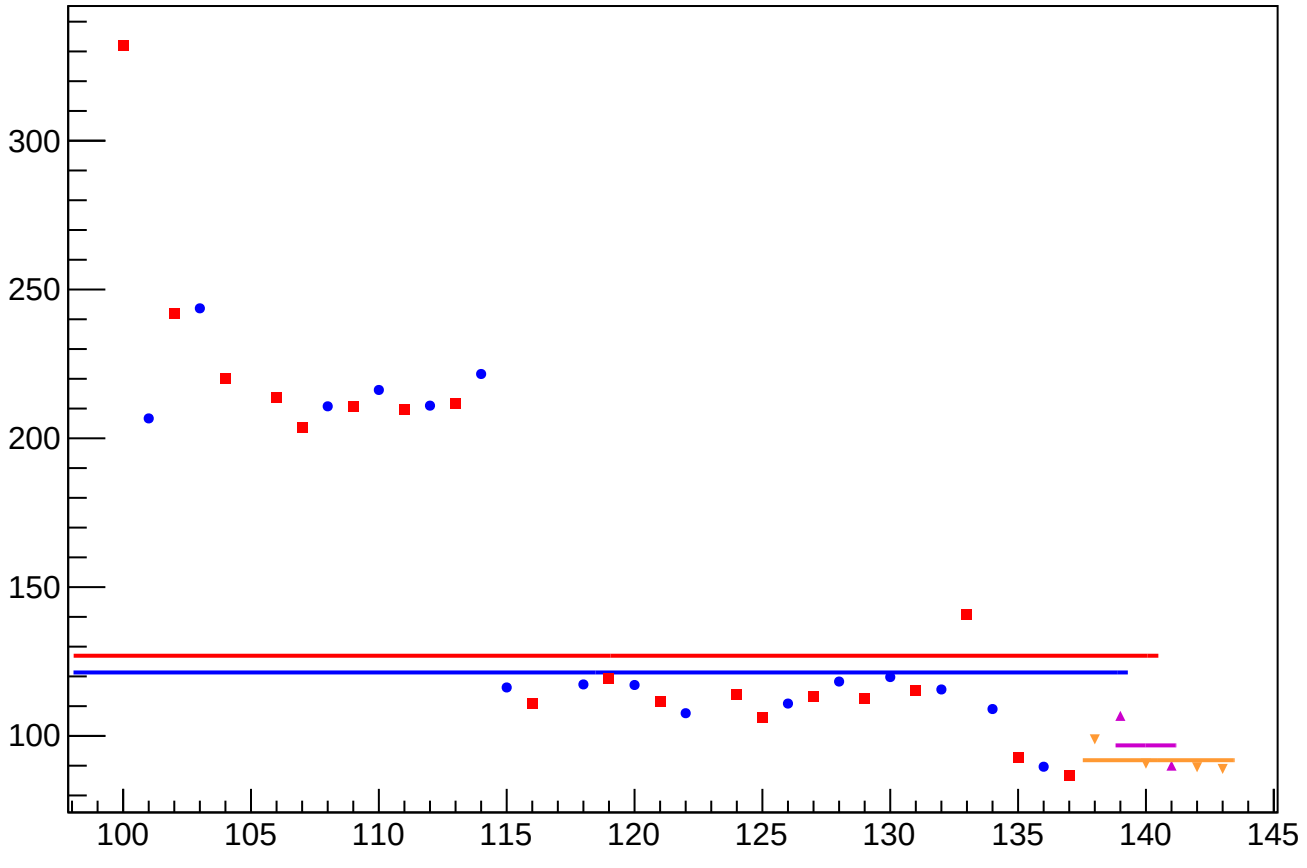
Left: 128.779+/-43.923 χ^2/NDF: 3.6/5

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 117.139+/-40.064 χ^2/NDF:13.8/17

Out: 88.991+/-36.586 χ^2/NDF:19.8/22

All: 101.790+/-27.016 χ^2/NDF: 33.9/40



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

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: 93.589+/-0.031 χ^2/NDF: 40773.2/5

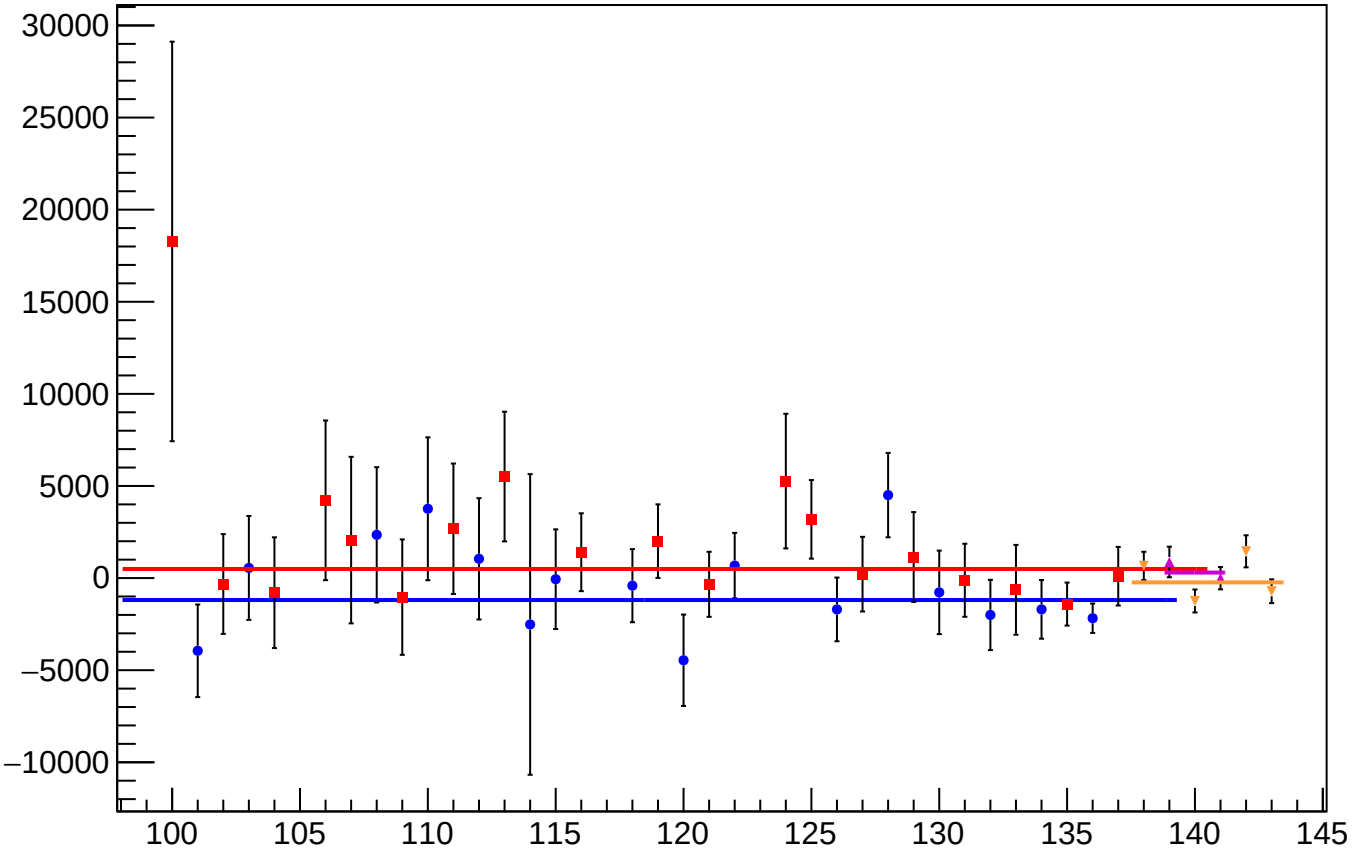
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 114.158+/-0.028 χ^2/NDF:1466072.1/17

Out: 111.150+/-0.026 χ^2/NDF:1937687.0/22

All: 112.518+/-0.019 χ^2/NDF: 3409905.6/40

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -234.171+/-353.247 χ^2/NDF:8.3/3

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 298.916+/-489.282 χ^2/NDF:0.7/1

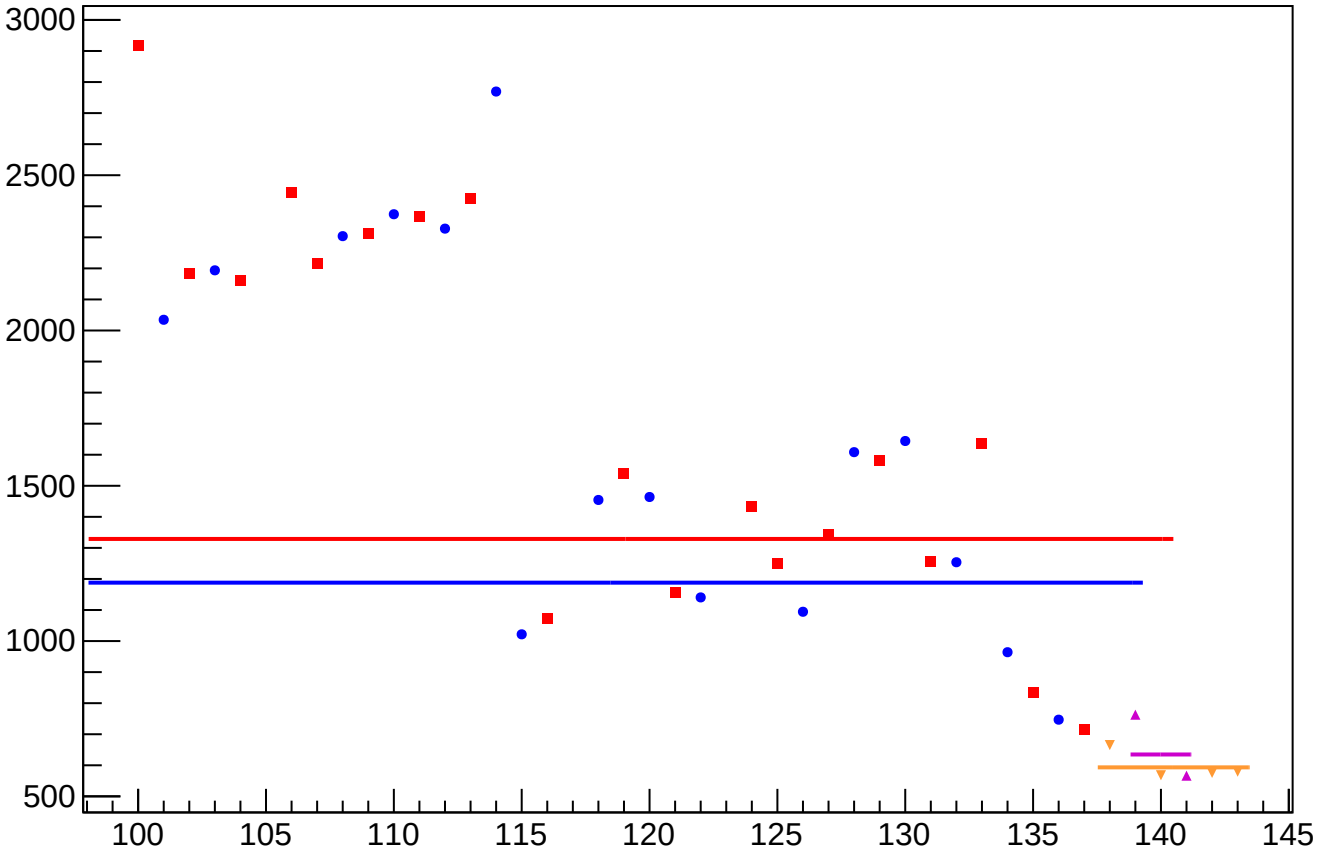
Left: -51.513+/-286.404 χ^2/NDF: 9.8/5

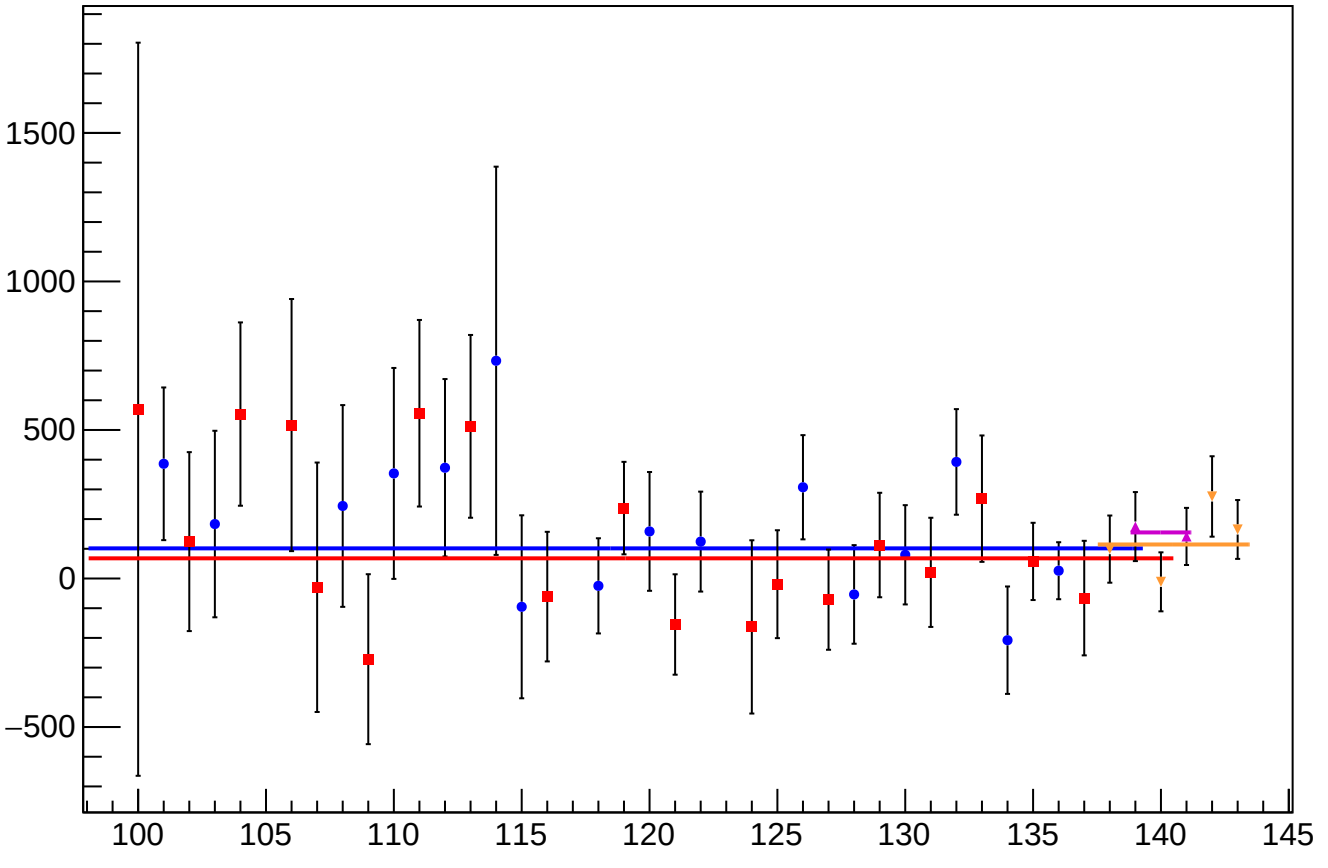
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -462.600+/-342.248 χ^2/NDF:21.4/17

Out: -5.106+/-292.512 χ^2/NDF:23.5/22

All: -198.225+/-222.362 χ^2/NDF: 46.0/40


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
105
110
115
120
125
130
135
140
145
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 593.318+/-0.250 χ²/NDF:22708.5/3
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 634.812+/-0.346 χ²/NDF:73043.4/1
Left: 607.535+/-0.203 χ²/NDF: 105207.5/5
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 917.368+/-0.242 χ²/NDF:3423681.6/17
Out: 824.489+/-0.207 χ²/NDF:4705613.0/22
All: 863.696+/-0.157 χ²/NDF: 8214411.3/40



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 114.527+/-54.545 χ^2/NDF:3.3/3

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 155.079+/-74.081 χ^2/NDF:0.0/1

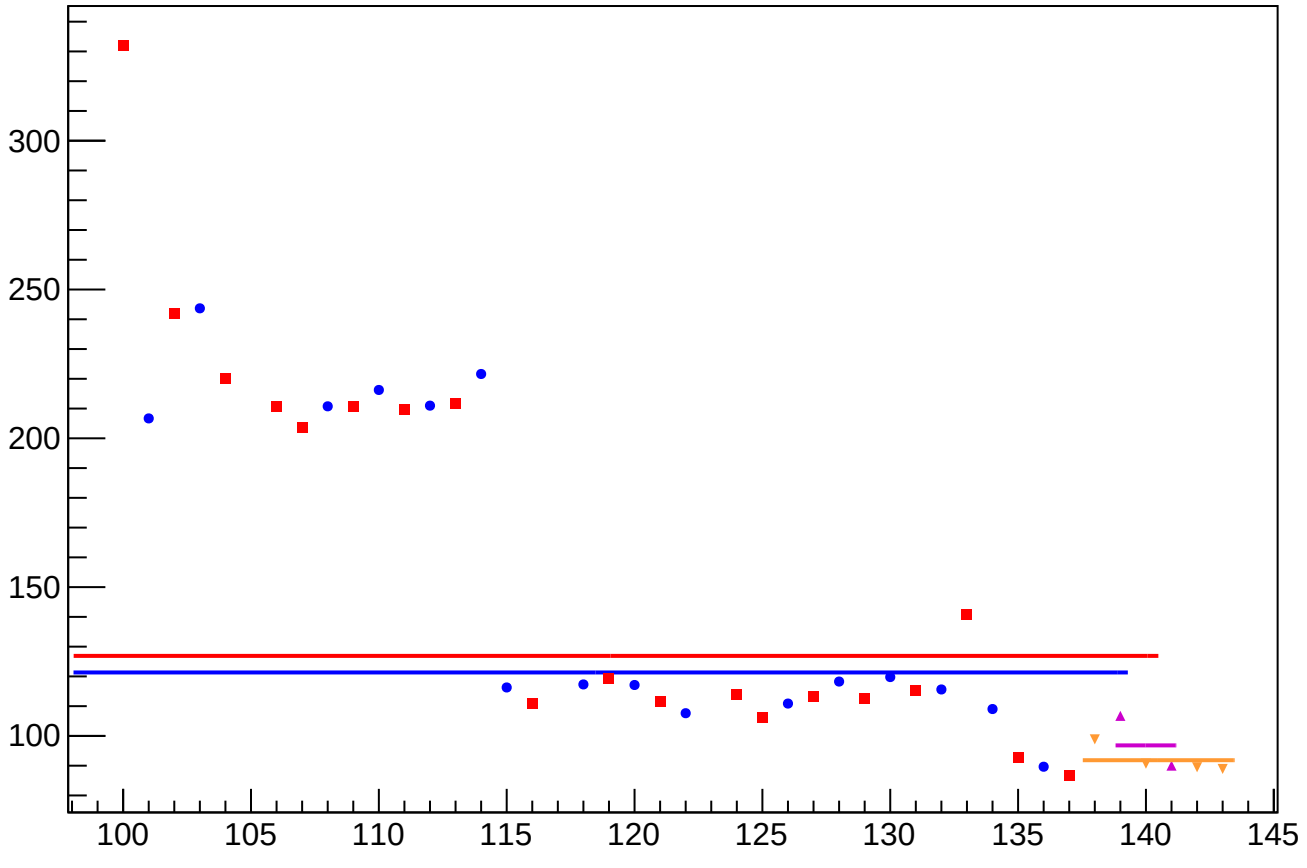
Left: 128.783+/-43.923 χ^2/NDF: 3.6/5

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 117.133+/-40.064 χ^2/NDF:13.8/17

Out: 88.869+/-36.587 χ^2/NDF:19.8/22

All: 101.721+/-27.017 χ^2/NDF: 33.8/40



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 96.820+/-0.052 χ^2/NDF:24583.8/1

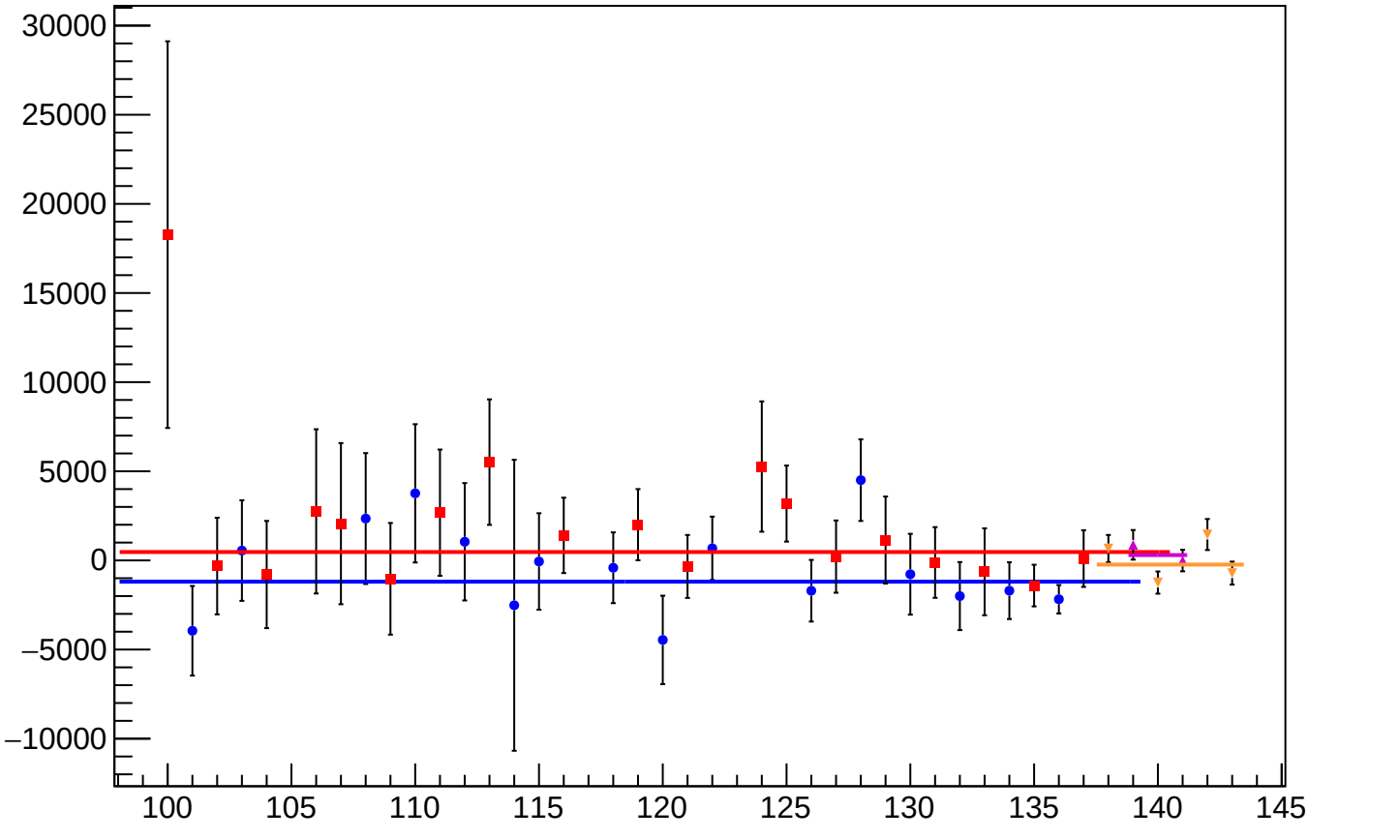
Left: 93.589+/-0.031 χ^2/NDF: 40773.2/5

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 114.158+/-0.028 χ^2/NDF:1466074.5/17

Out: 111.122+/-0.026 χ^2/NDF:1930250.4/22

All: 112.502+/-0.019 χ^2/NDF: 3402588.7/40



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -234.163+/-353.246 χ^2/NDF:8.3/3

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: -51.503+/-286.404 χ^2/NDF: 9.8/5

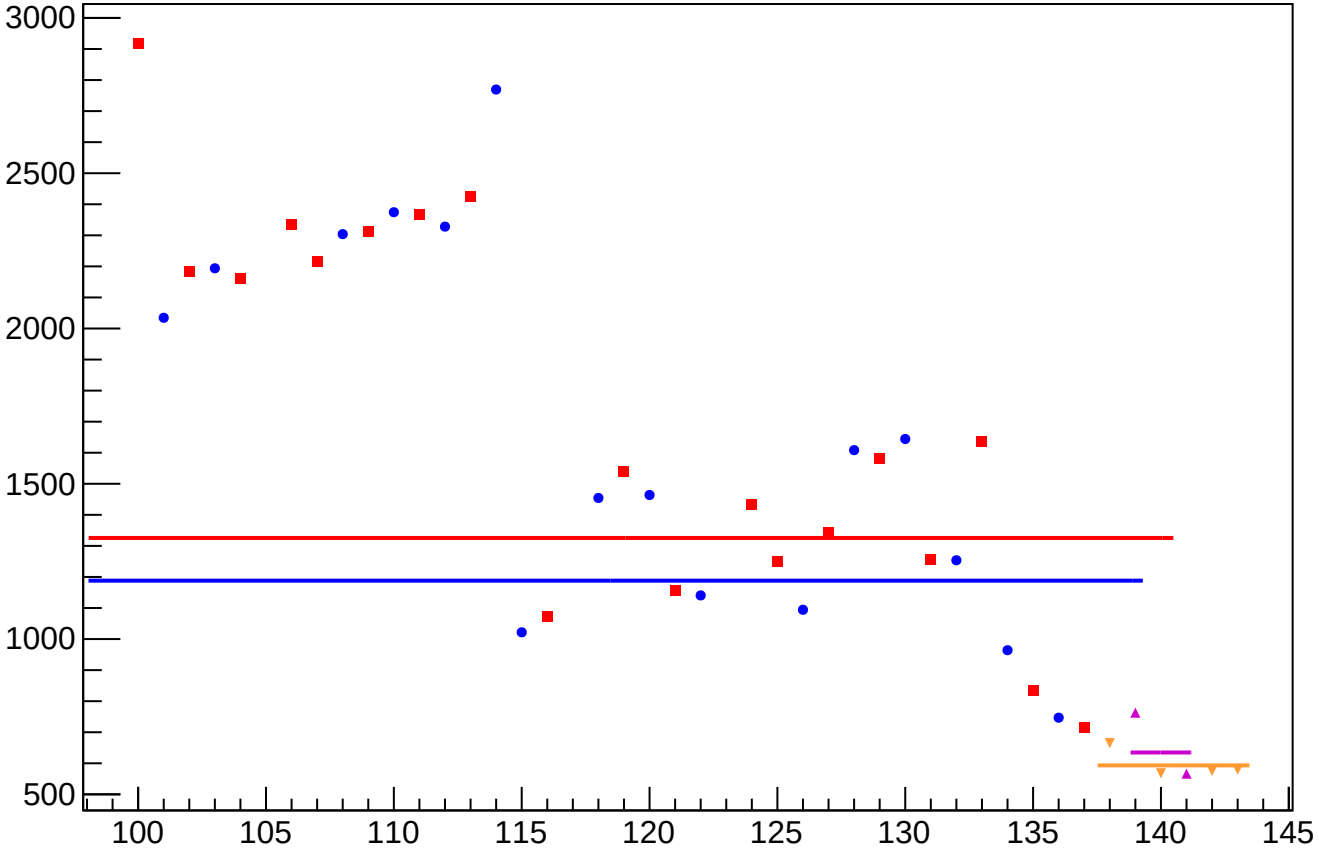
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -462.581+/-342.248 χ^2/NDF:21.4/17

Out: -13.184+/-292.590 χ^2/NDF:22.9/22

All: -202.944+/-222.397 χ^2/NDF: 45.3/40

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 593.318+/-0.250 χ^2/NDF:22708.6/3

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 634.812+/-0.346 χ^2/NDF:73042.9/1

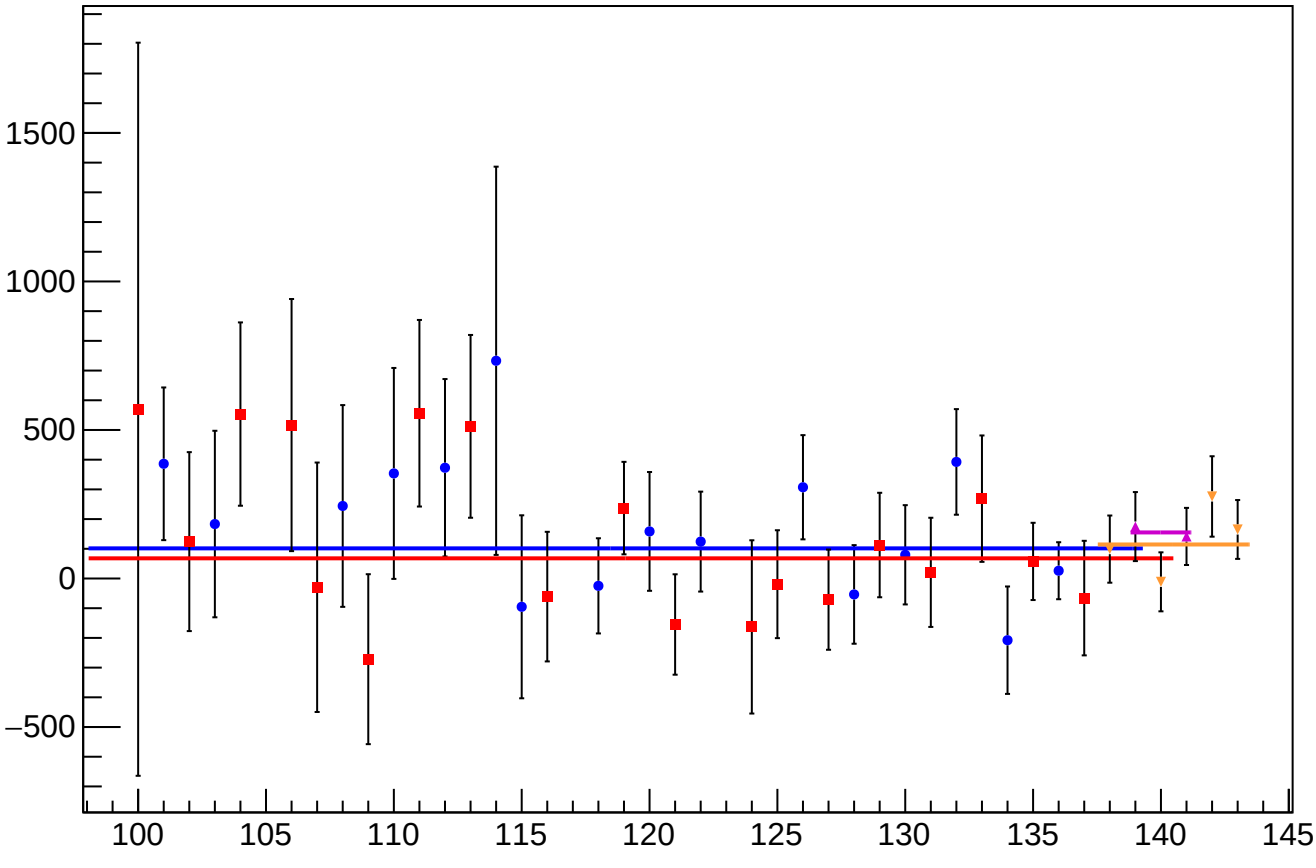
Left: 607.535+/-0.203 χ^2/NDF: 105207.3/5

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 917.368+/-0.242 χ^2/NDF:3423706.5/17

Out: 823.196+/-0.207 χ^2/NDF:4641622.0/22

All: 862.961+/-0.157 χ^2/NDF: 8152811.3/40



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 114.527+/-54.545 χ^2/NDF:3.3/3

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 155.079+/-74.081 χ^2/NDF:0.0/1

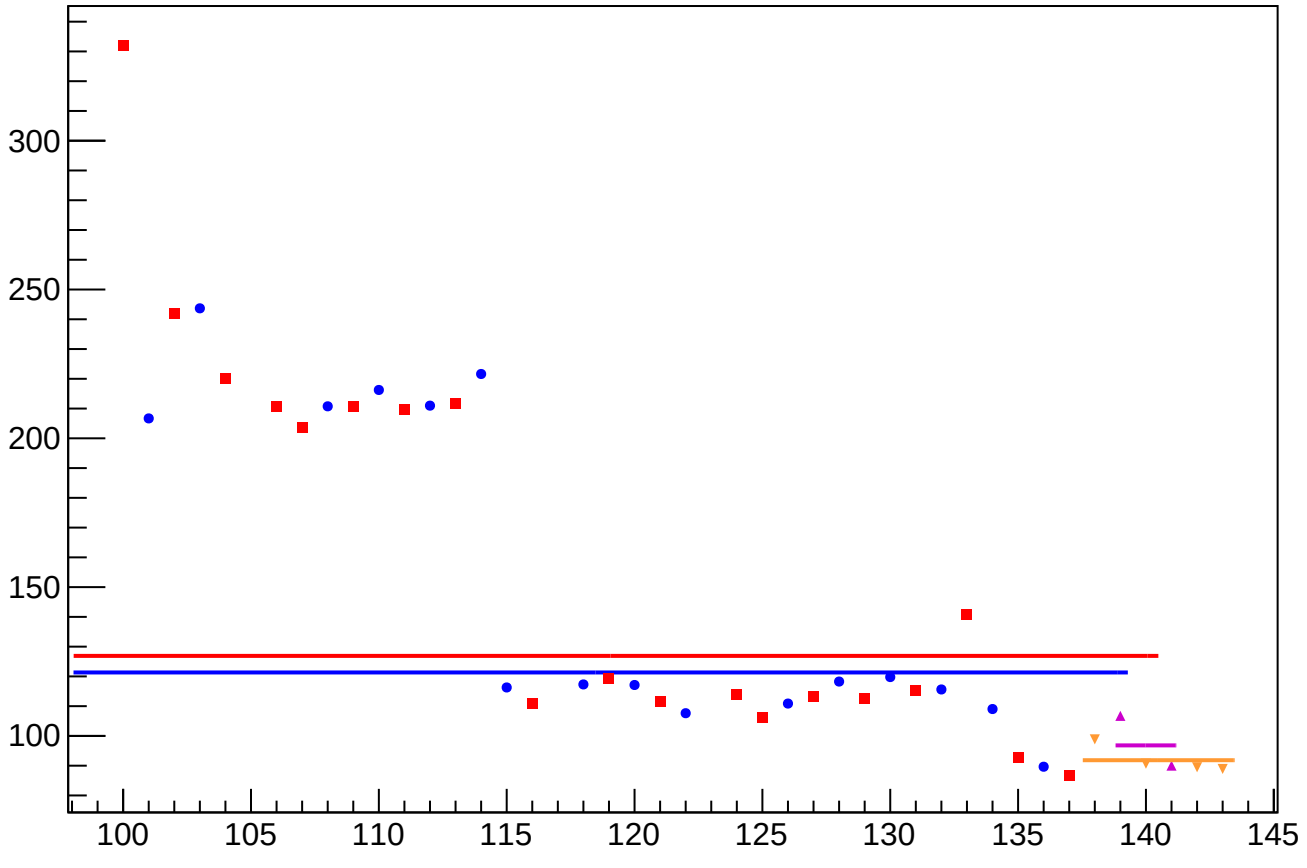
Left: 128.783+/-43.923 χ^2/NDF: 3.6/5

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 117.133+/-40.064 χ^2/NDF:13.8/17

Out: 88.869+/-36.587 χ^2/NDF:19.8/22

All: 101.721+/-27.017 χ^2/NDF: 33.8/40



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 91.838+/-0.039 χ^2/NDF:10323.6/3

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: 93.589+/-0.031 χ^2/NDF: 40773.2/5

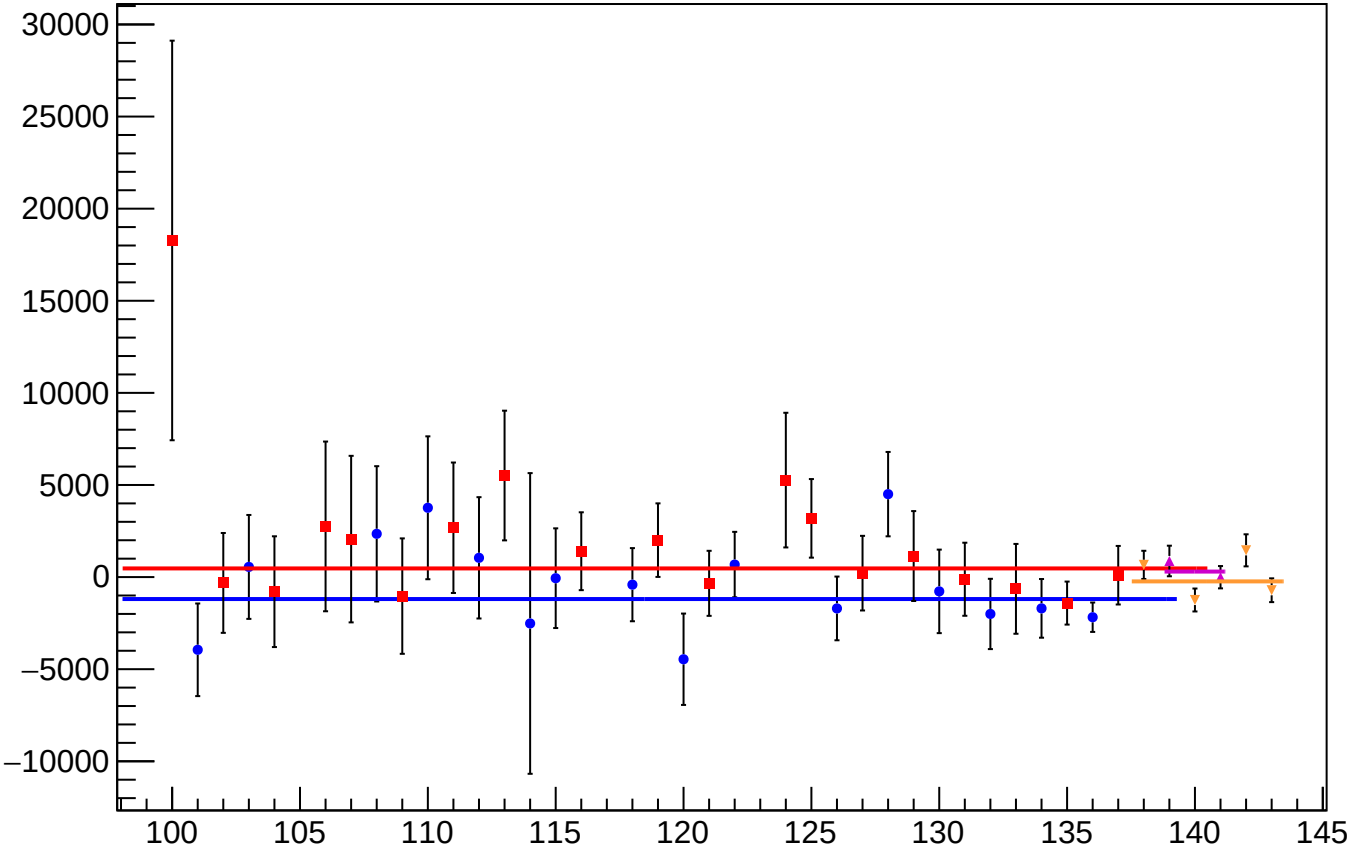
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 114.158+/-0.028 χ^2/NDF:1466074.5/17

Out: 111.122+/-0.026 χ^2/NDF:1930250.4/22

All: 112.502+/-0.019 χ^2/NDF: 3402588.7/40

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: -234.163+/-353.246 χ^2/NDF:8.3/3

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: -51.503+/-286.404 χ^2/NDF: 9.8/5

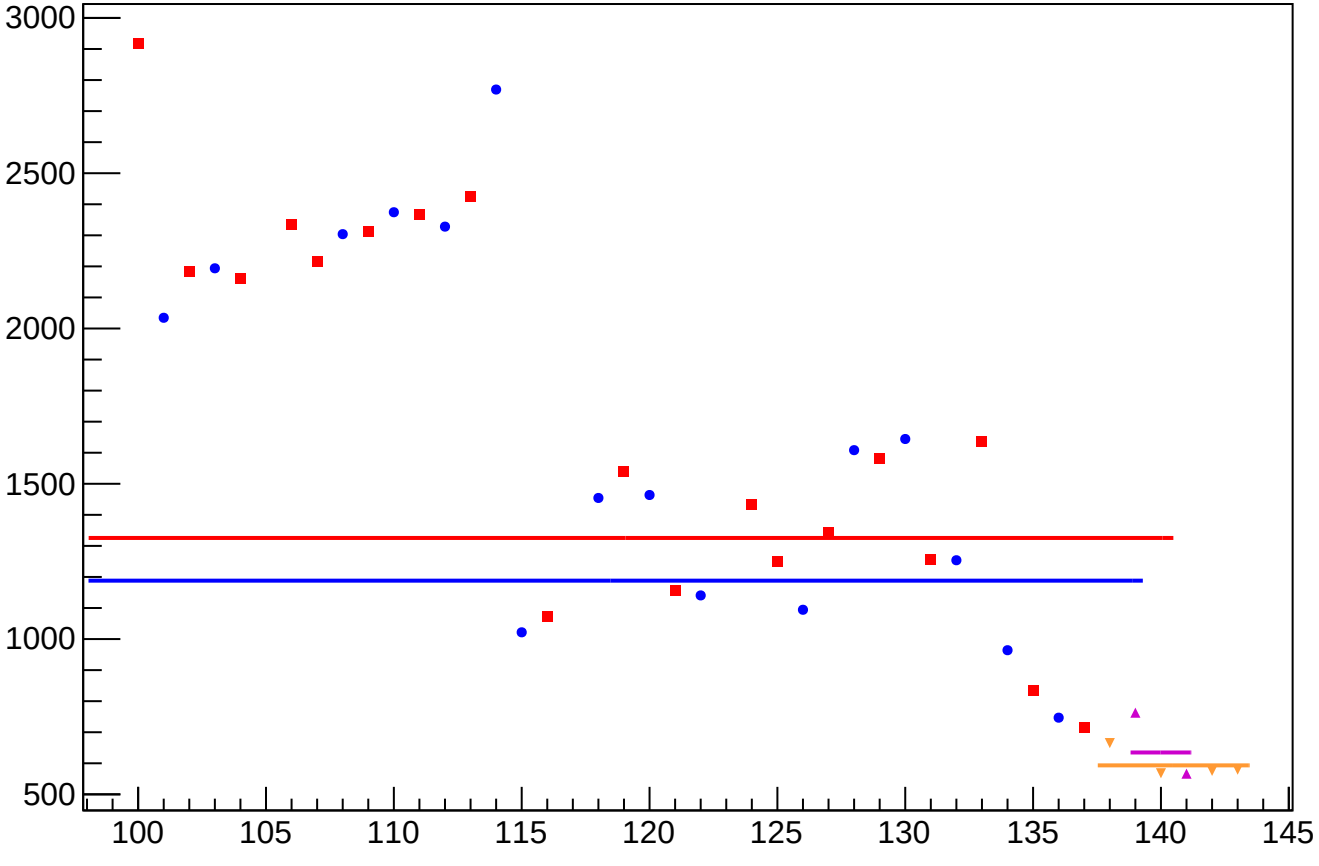
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -462.581+/-342.248 χ^2/NDF:21.4/17

Out: -13.184+/-292.590 χ^2/NDF:22.9/22

All: -202.944+/-222.397 χ^2/NDF: 45.3/40

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: 593.318+/-0.250 χ^2/NDF:22708.6/3

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 634.812+/-0.346 χ^2/NDF:73042.9/1

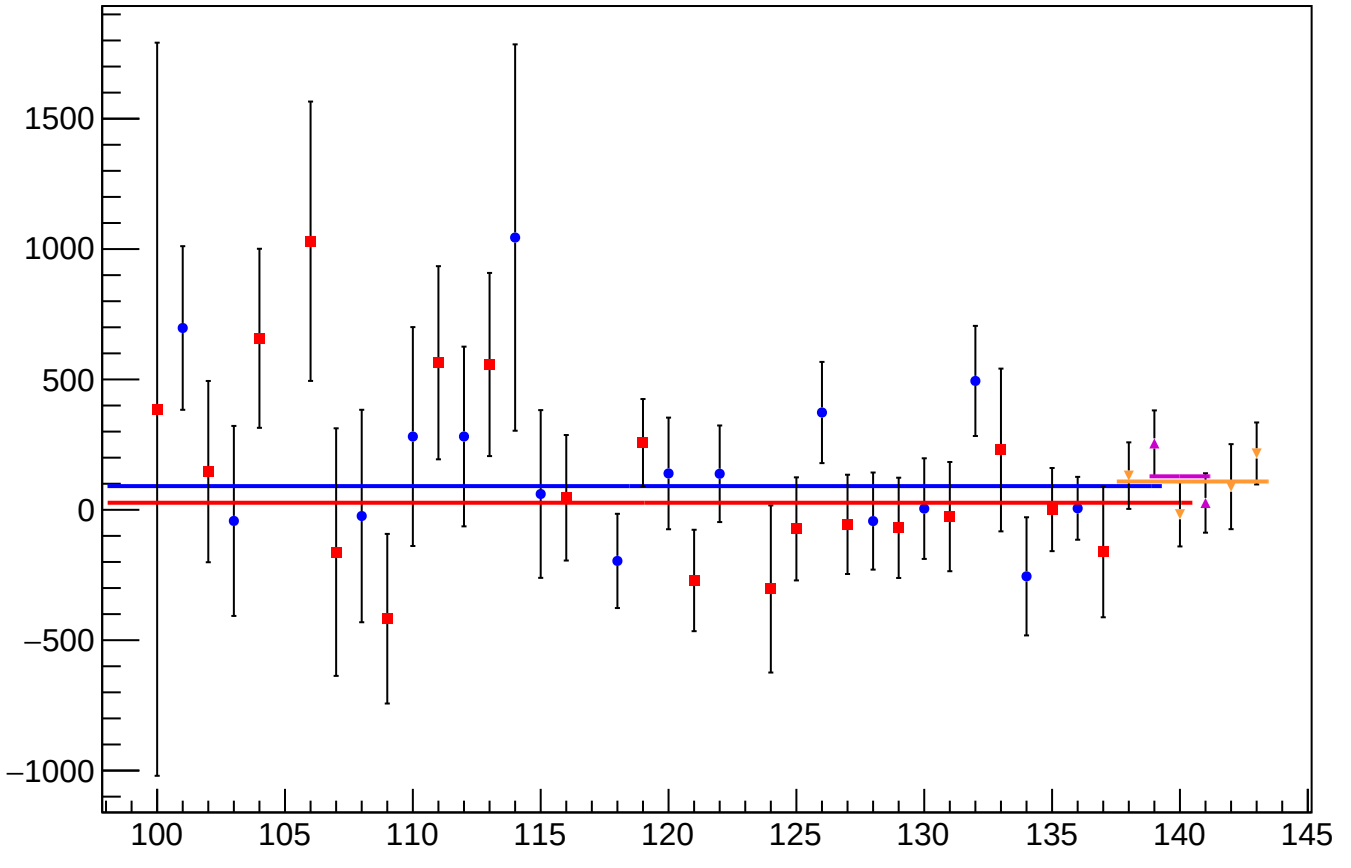
Left: 607.535+/-0.203 χ^2/NDF: 105207.3/5

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 917.368+/-0.242 χ^2/NDF:3423706.5/17

Out: 823.196+/-0.207 χ^2/NDF:4641622.0/22

All: 862.961+/-0.157 χ^2/NDF: 8152811.3/40



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 108.632+/-65.161 χ^2/NDF:1.9/3

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 128.445+/-84.681 χ^2/NDF:1.8/1

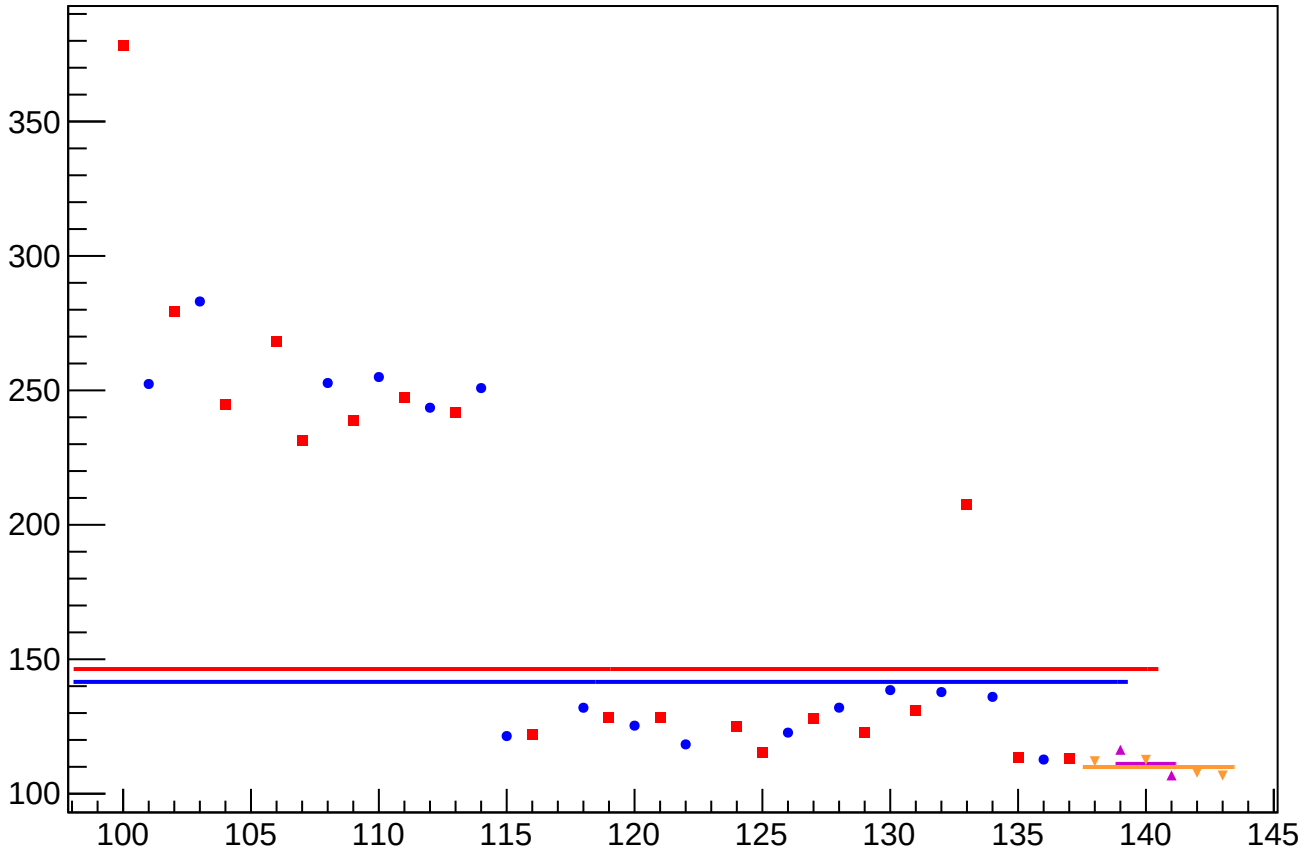
Left: 116.000+/-51.642 χ^2/NDF: 3.7/5

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 102.205+/-46.456 χ^2/NDF:20.0/17

Out: 62.494+/-42.909 χ^2/NDF:23.3/22

All: 80.776+/-31.521 χ^2/NDF: 43.7/40



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 109.925+/-0.046 χ^2/NDF:3259.4/3

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 111.084+/-0.060 χ^2/NDF:6273.3/1

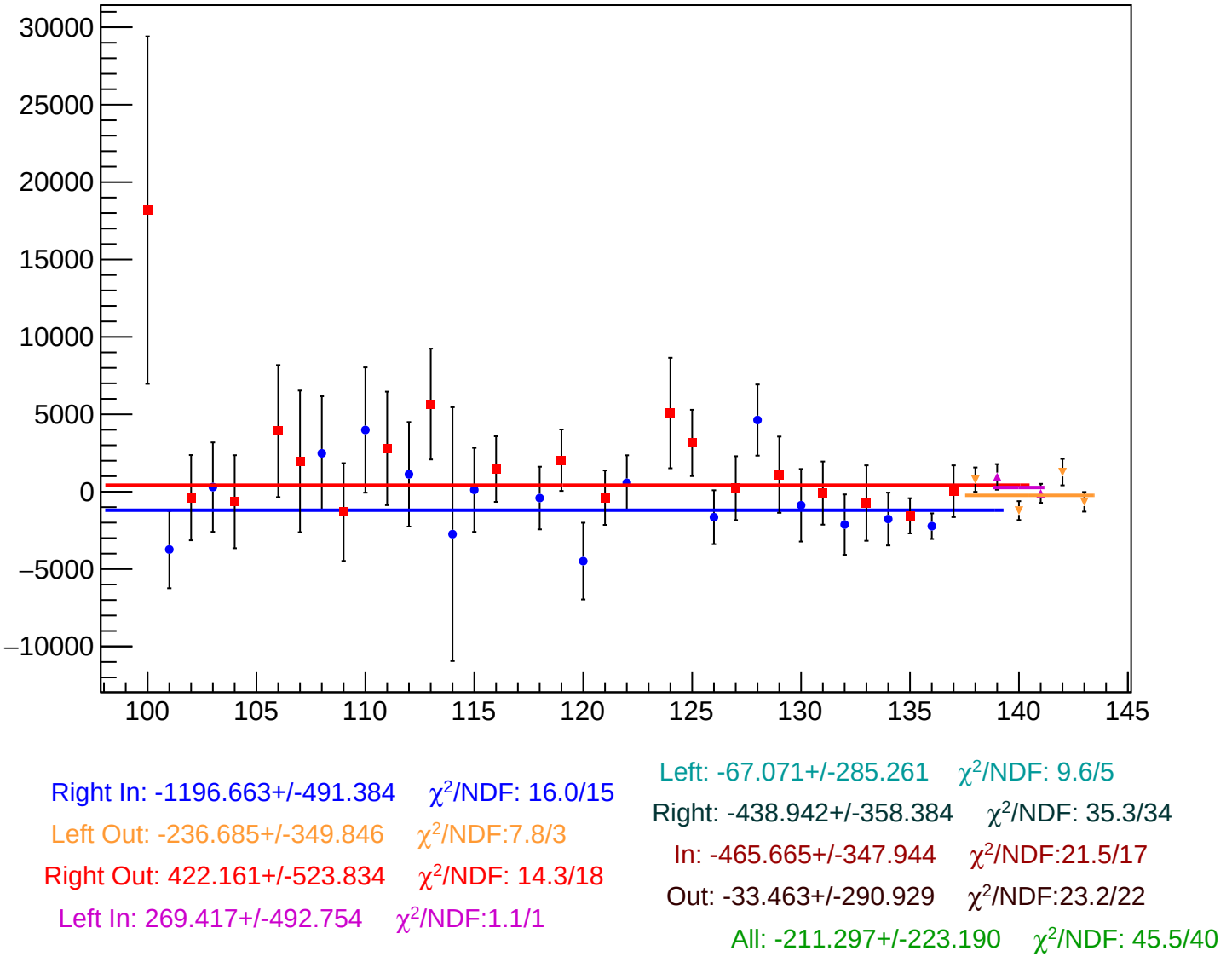
Left: 110.356+/-0.037 χ^2/NDF: 9767.9/5

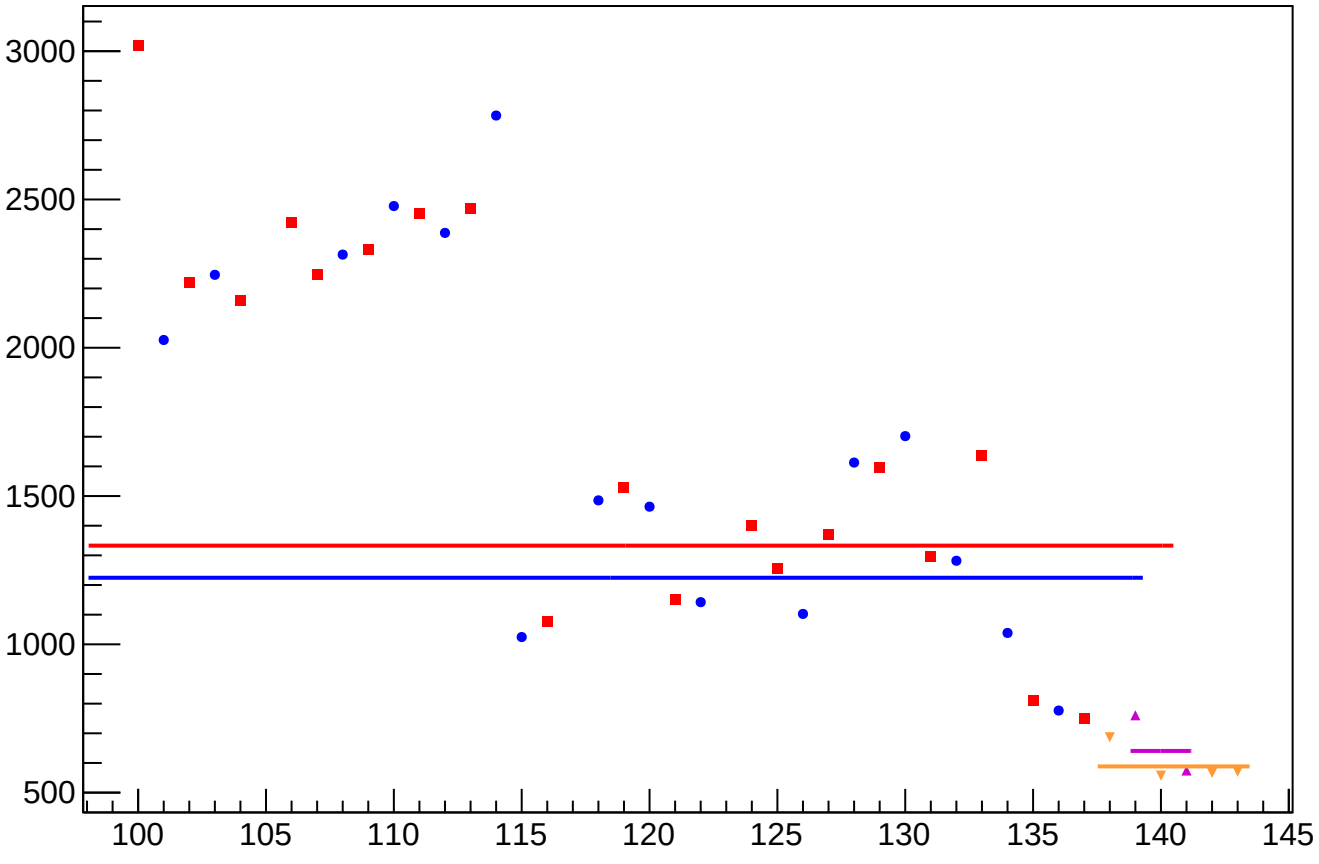
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 132.406+/-0.033 χ^2/NDF:1450035.7/17

Out: 130.566+/-0.030 χ^2/NDF:1871238.7/22

All: 131.413+/-0.022 χ^2/NDF: 3322967.8/40


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -236.685+/-349.846 χ²/NDF:7.8/3
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: 269.417+/-492.754 χ²/NDF:1.1/1
Left: -67.071+/-285.261 χ²/NDF: 9.6/5
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -465.665+/-347.944 χ²/NDF:21.5/17
Out: -33.463+/-290.929 χ²/NDF:23.2/22
All: -211.297+/-223.190 χ²/NDF: 45.5/40



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 588.338+/-0.247 χ^2/NDF:39408.3/3

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 640.555+/-0.348 χ^2/NDF:65340.8/1

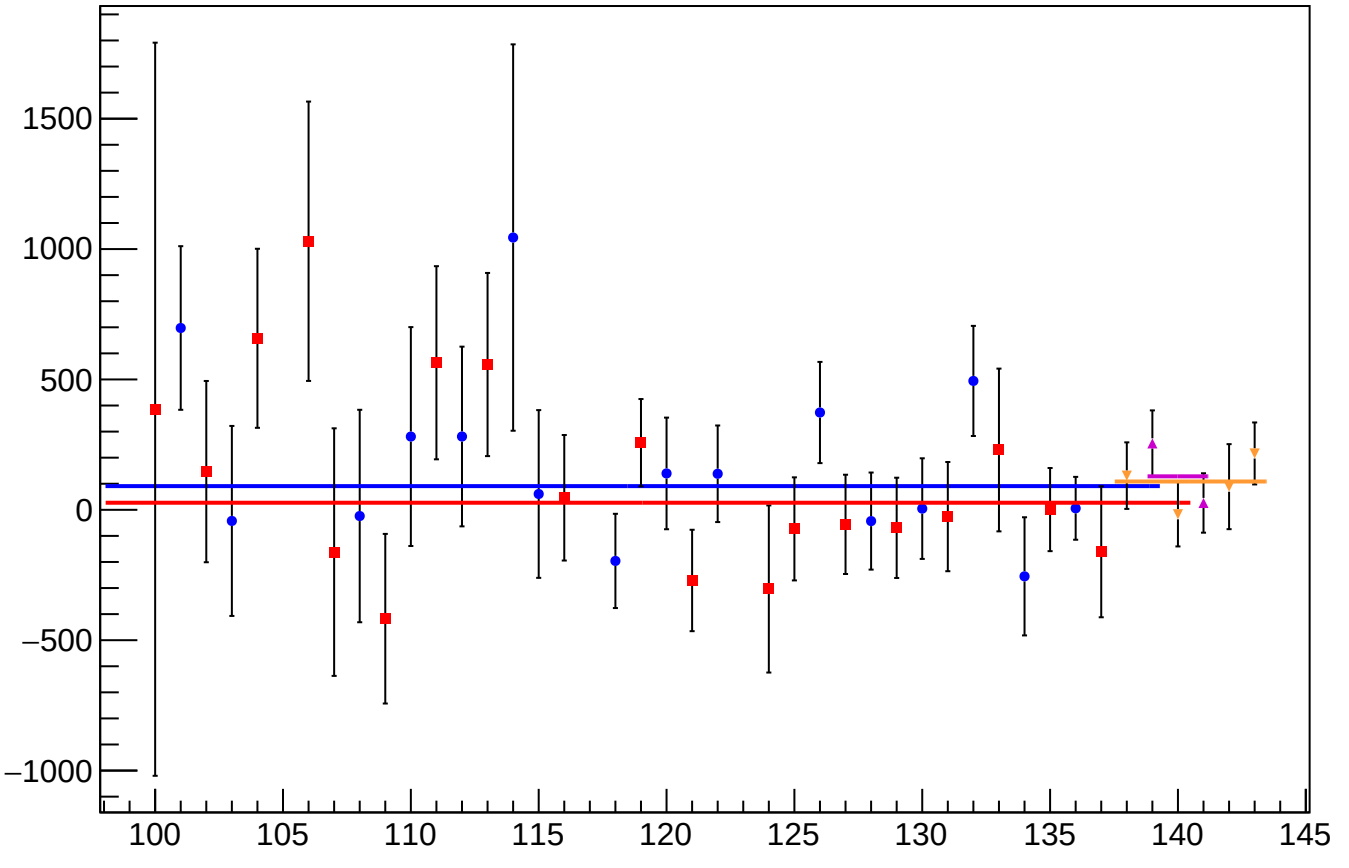
Left: 605.838+/-0.202 χ^2/NDF: 119681.4/5

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 933.326+/-0.246 χ^2/NDF:3432844.2/17

Out: 817.964+/-0.206 χ^2/NDF:4827614.0/22

All: 865.431+/-0.158 χ^2/NDF: 8389850.0/40



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 108.631+/-65.161 χ^2/NDF:1.9/3

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 128.444+/-84.681 χ^2/NDF:1.8/1

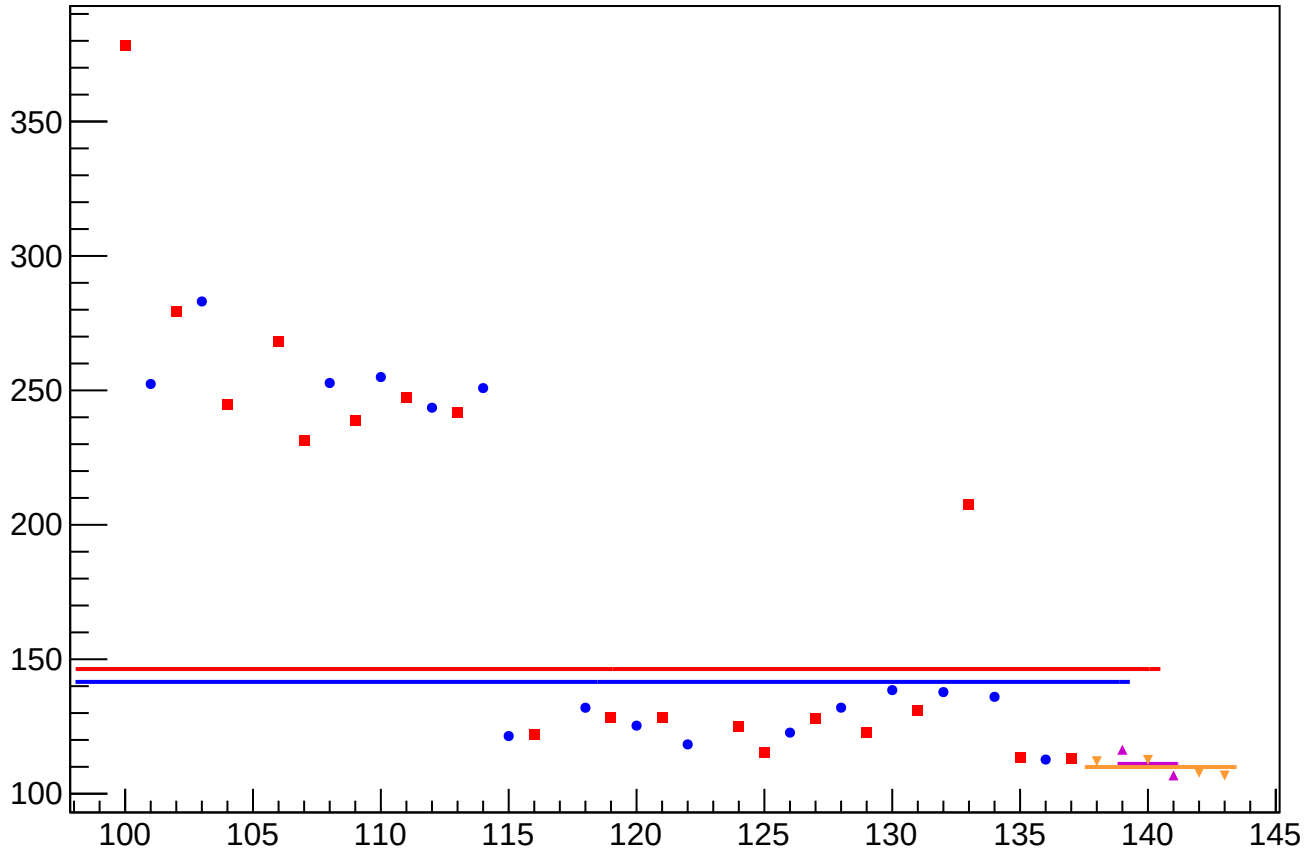
Left: 115.999+/-51.642 χ^2/NDF: 3.7/5

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 102.207+/-46.456 χ^2/NDF:20.0/17

Out: 62.493+/-42.908 χ^2/NDF:23.3/22

All: 80.776+/-31.521 χ^2/NDF: 43.7/40



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 109.925+/-0.046 χ^2/NDF:3259.0/3

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: 110.356+/-0.037 χ^2/NDF: 9767.1/5

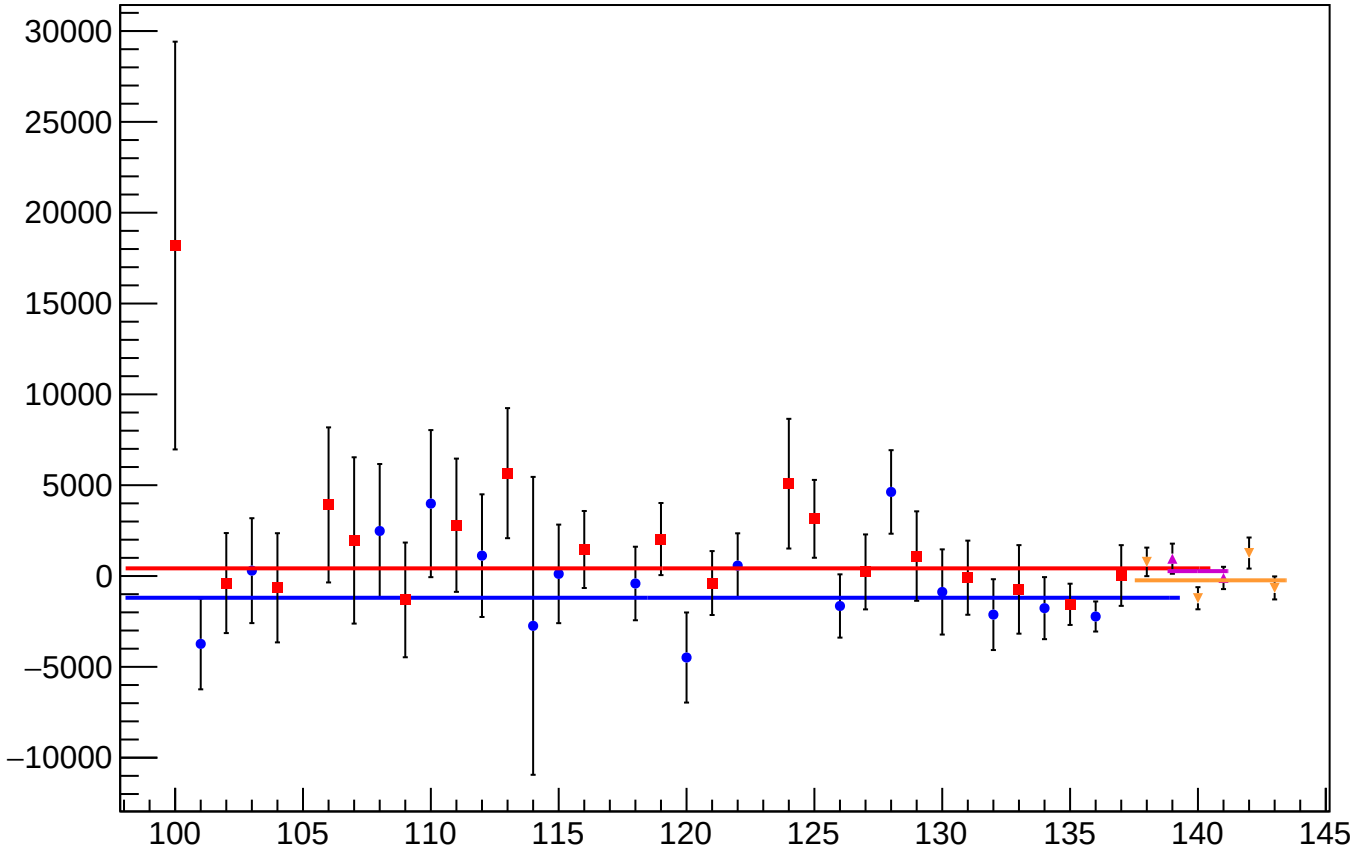
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 132.406+/-0.033 χ^2/NDF:1450004.2/17

Out: 130.566+/-0.030 χ^2/NDF:1871214.8/22

All: 131.413+/-0.022 χ^2/NDF: 3322912.3/40

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: -236.684+/-349.846 χ^2/NDF:7.8/3

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: -67.070+/-285.261 χ^2/NDF: 9.6/5

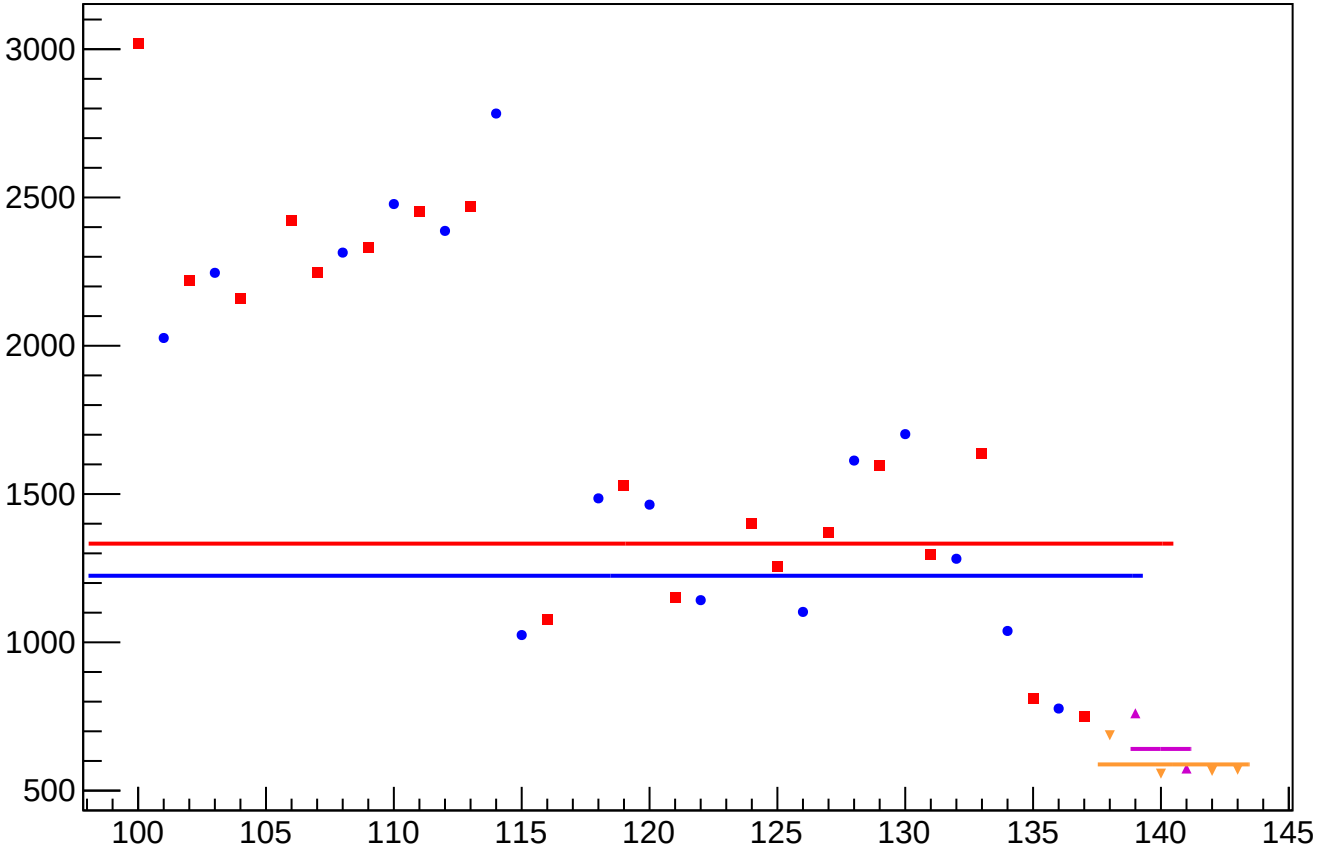
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -465.662+/-347.944 χ^2/NDF:21.5/17

Out: -33.461+/-290.929 χ^2/NDF:23.2/22

All: -211.295+/-223.190 χ^2/NDF: 45.5/40

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: 588.338+/-0.247 χ^2/NDF:39405.5/3

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: 605.838+/-0.202 χ^2/NDF: 119674.7/5

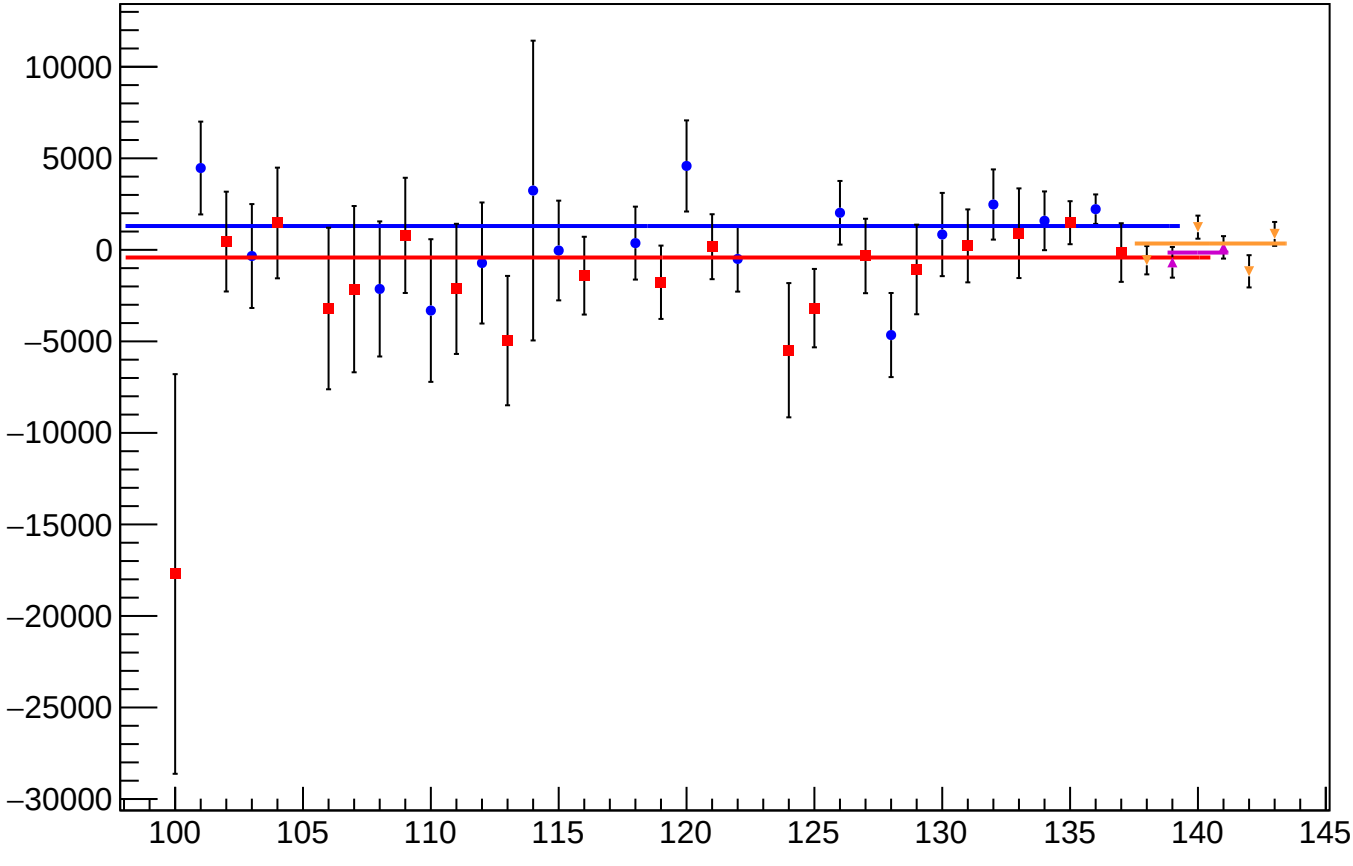
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 933.326+/-0.246 χ^2/NDF:3432819.9/17

Out: 817.965+/-0.206 χ^2/NDF:4827589.8/22

All: 865.431+/-0.158 χ^2/NDF: 8389800.1/40

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 345.698+/-357.496 χ^2/NDF:7.0/3

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: 176.089+/-289.812 χ^2/NDF: 8.3/5

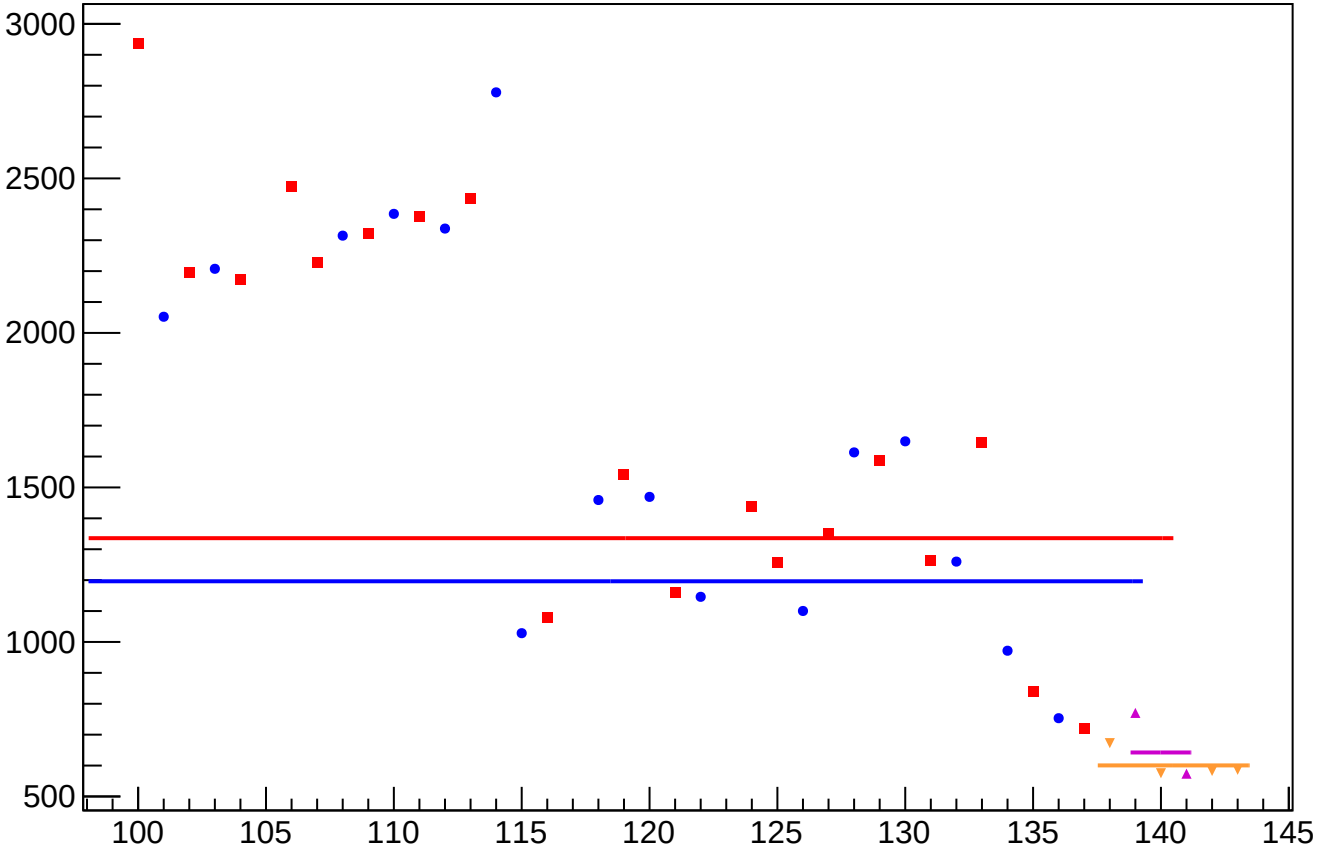
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 595.616+/-345.309 χ^2/NDF:21.5/17

Out: 103.369+/-295.406 χ^2/NDF:21.5/22

All: 311.385+/-224.473 χ^2/NDF: 44.2/40

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 600.505+/-0.253 χ^2/NDF:22355.8/3

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 642.354+/-0.350 χ^2/NDF:71693.8/1

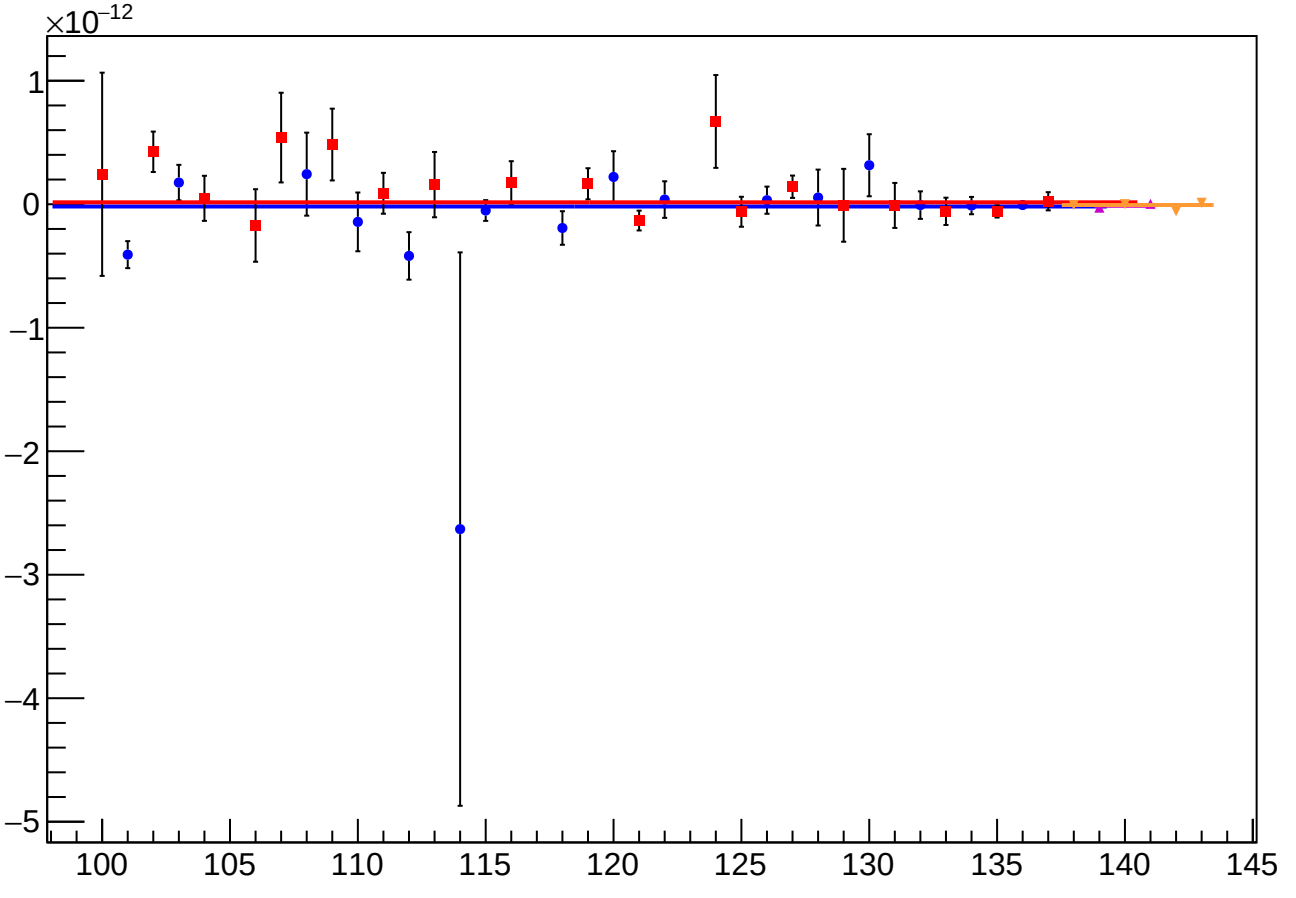
Left: 614.851+/-0.205 χ^2/NDF: 103444.7/5

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 926.738+/-0.244 χ^2/NDF:3389470.3/17

Out: 833.738+/-0.209 χ^2/NDF:4657598.9/22

All: 873.038+/-0.159 χ^2/NDF: 8130834.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

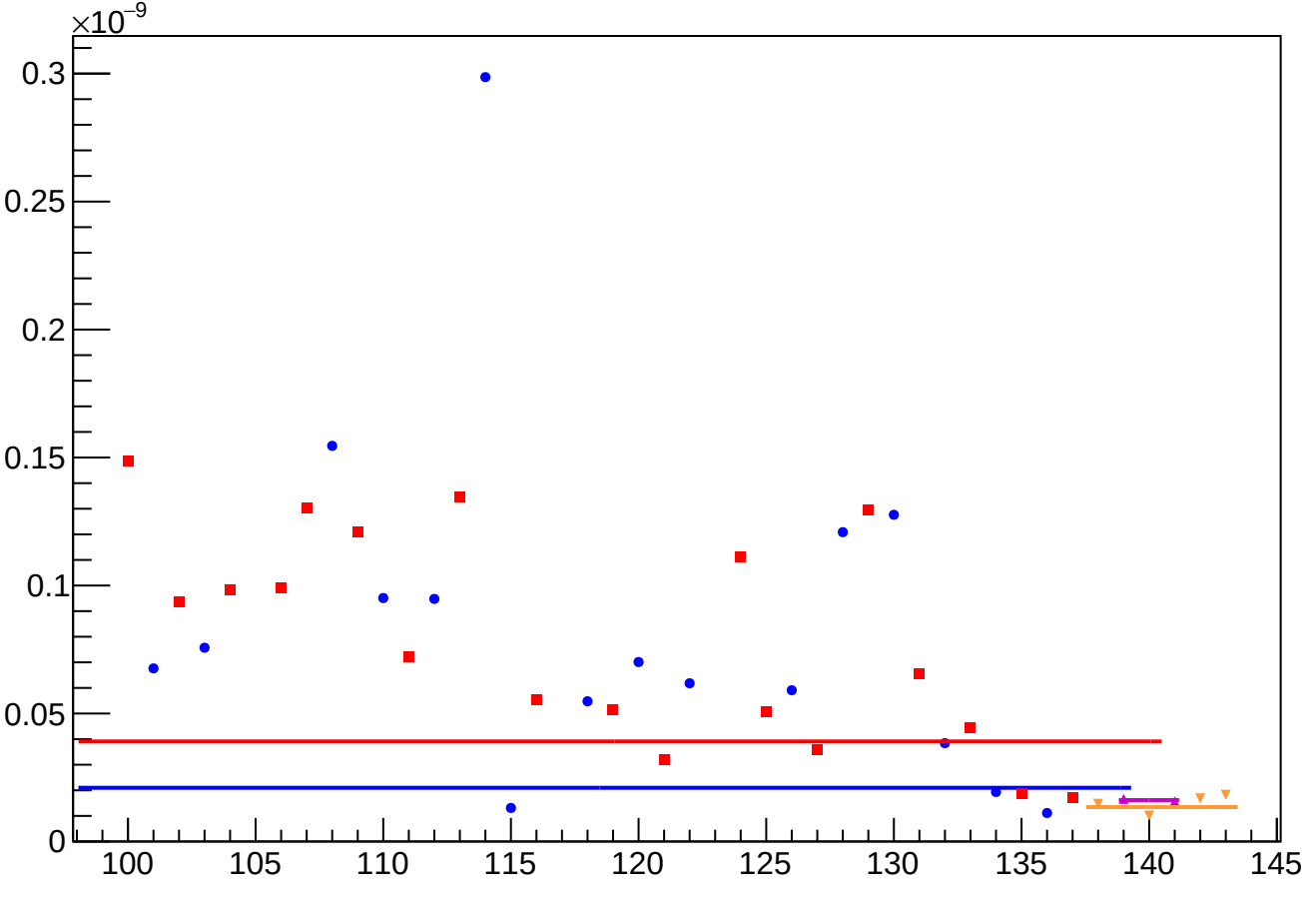
Left: -0.000+/-0.000 χ^2/NDF: 3.2/5

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:28.6/22

All: -0.000+/-0.000 χ^2/NDF: 56.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:139374.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1354.6/1

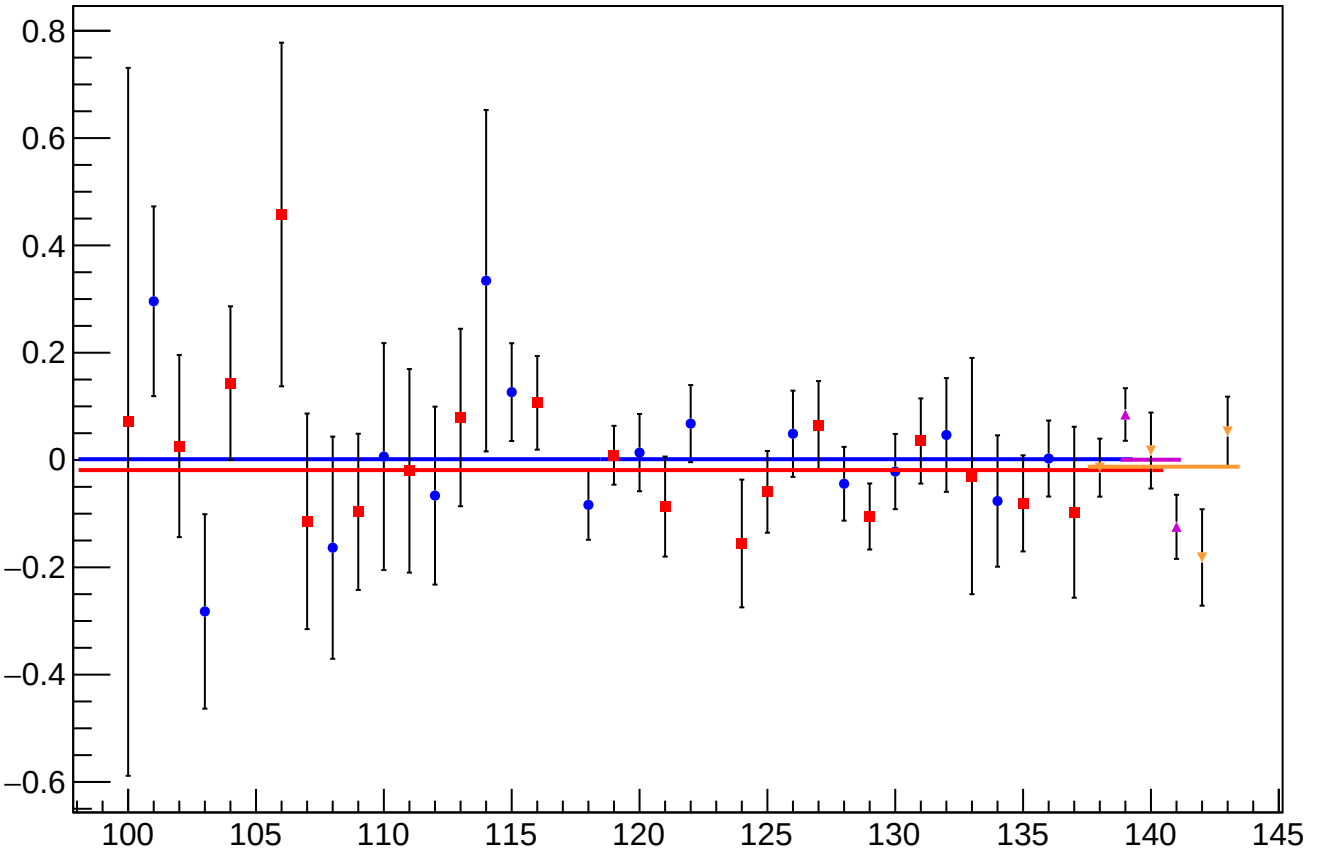
Left: 0.000+/-0.000 χ^2/NDF: 170257.5/5

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:3648288.2/22

All: 0.000+/-0.000 χ^2/NDF: 7105225.2/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

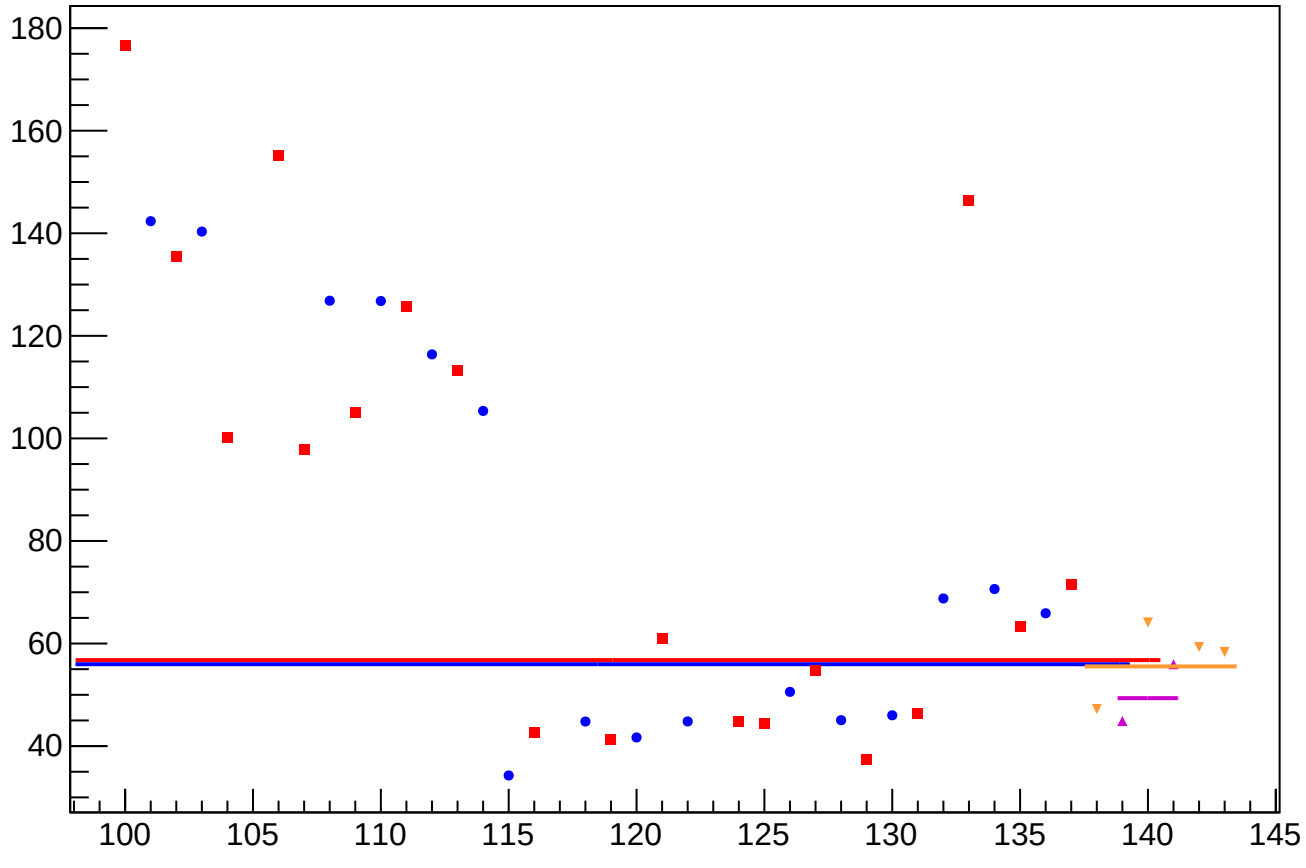
Left: -0.007+/-0.025 χ^2/NDF: 12.2/5

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.008+/-0.014 χ^2/NDF: 38.7/40



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.540+/-0.024 χ^2/NDF:83845.0/3

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 49.348+/-0.027 χ^2/NDF:41051.7/1

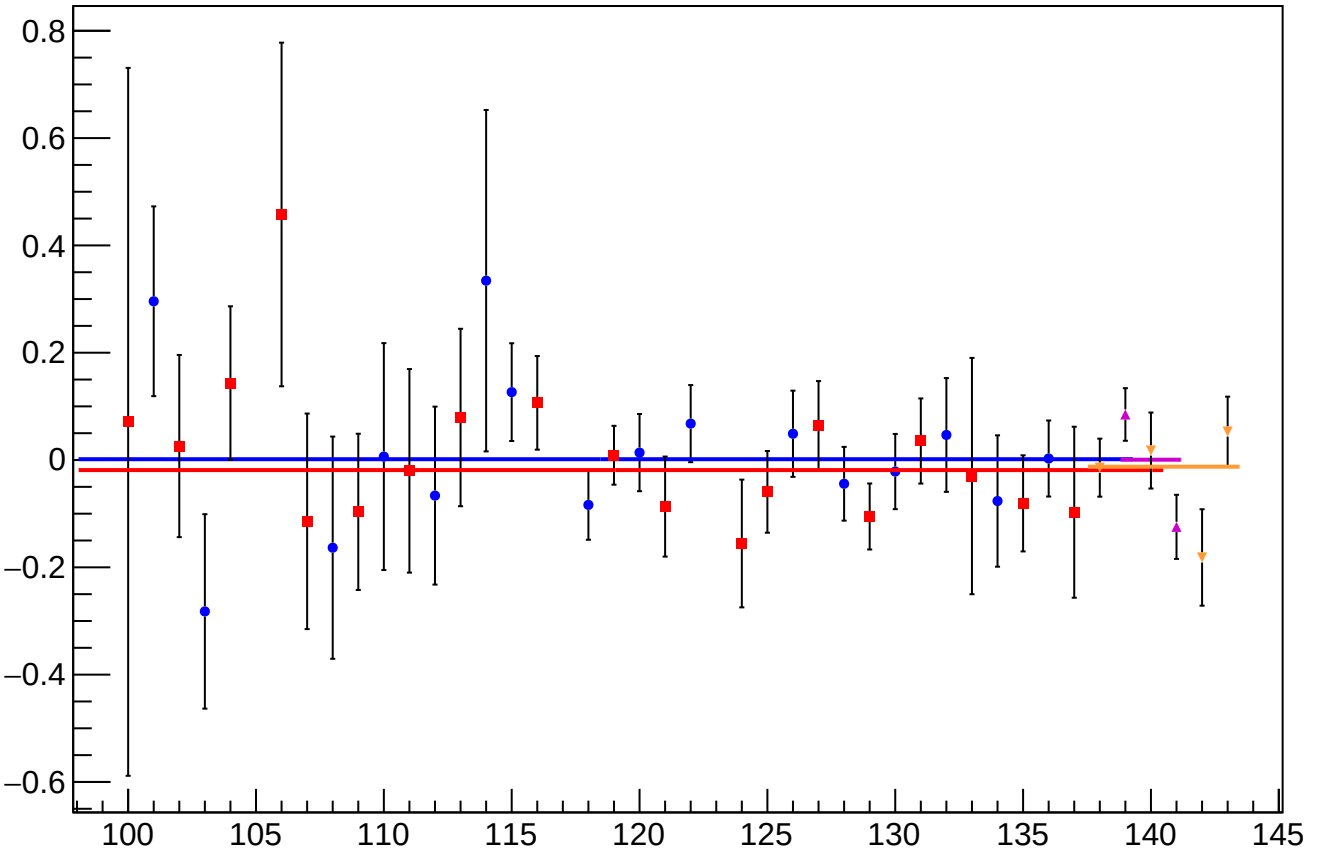
Left: 52.843+/-0.018 χ^2/NDF: 155032.7/5

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.139+/-0.014 χ^2/NDF:2265048.8/17

Out: 56.361+/-0.014 χ^2/NDF:2638889.8/22

All: 55.290+/-0.010 χ^2/NDF: 4916831.9/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

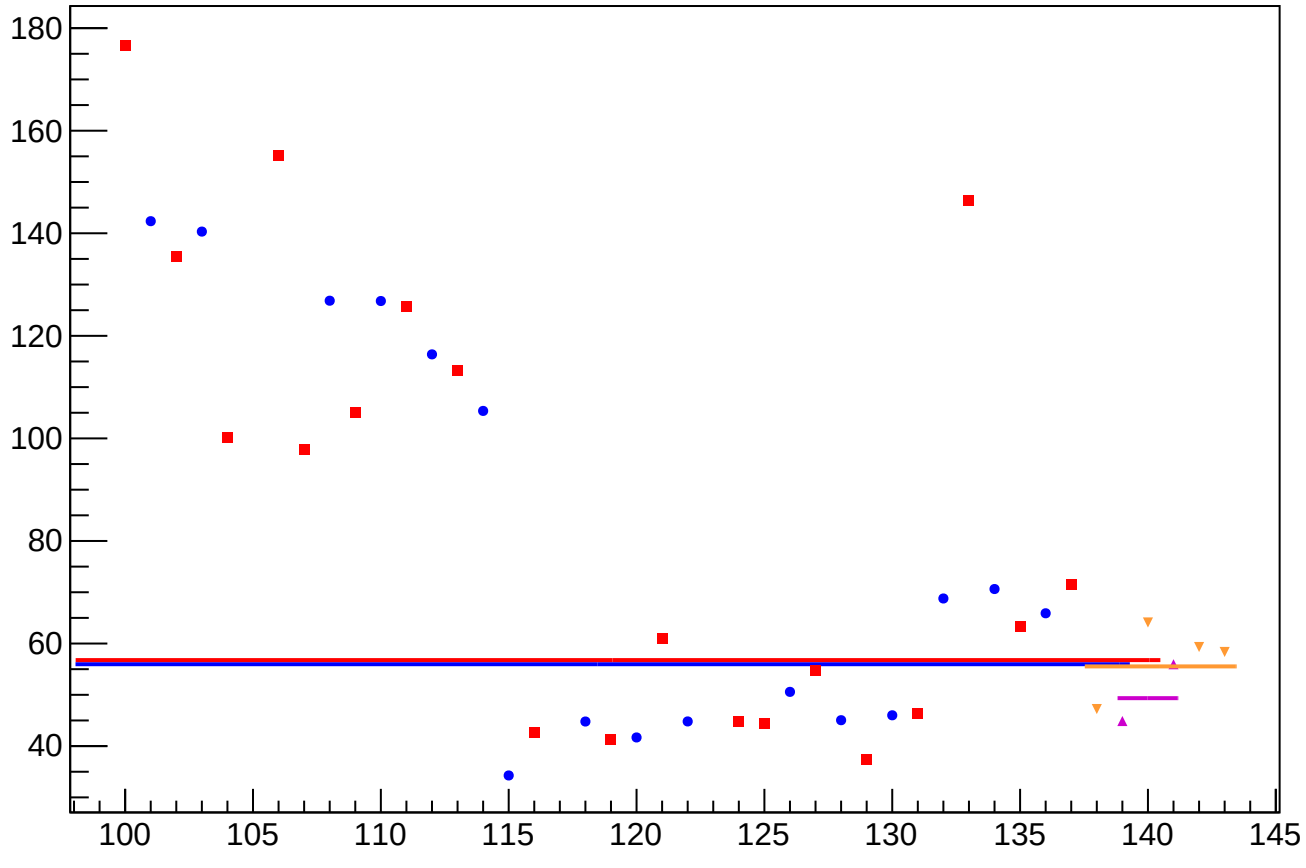
Left: -0.007+/-0.025 χ^2/NDF: 12.2/5

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.008+/-0.014 χ^2/NDF: 38.7/40



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.540+/-0.024 χ^2/NDF:83845.0/3

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: 52.843+/-0.018 χ^2/NDF: 155032.7/5

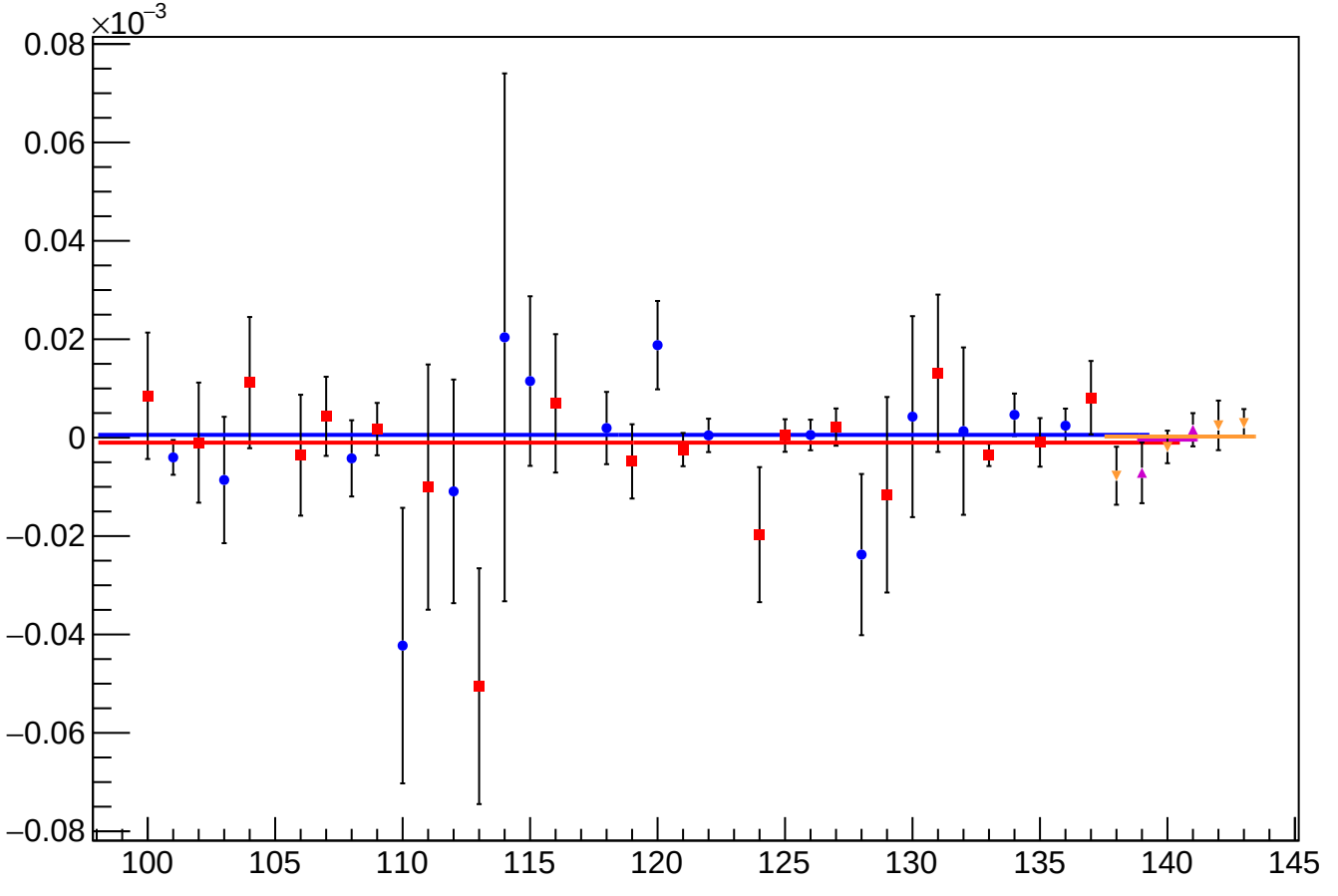
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.139+/-0.014 χ^2/NDF:2265048.8/17

Out: 56.361+/-0.014 χ^2/NDF:2638889.8/22

All: 55.290+/-0.010 χ^2/NDF: 4916831.9/40

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/1

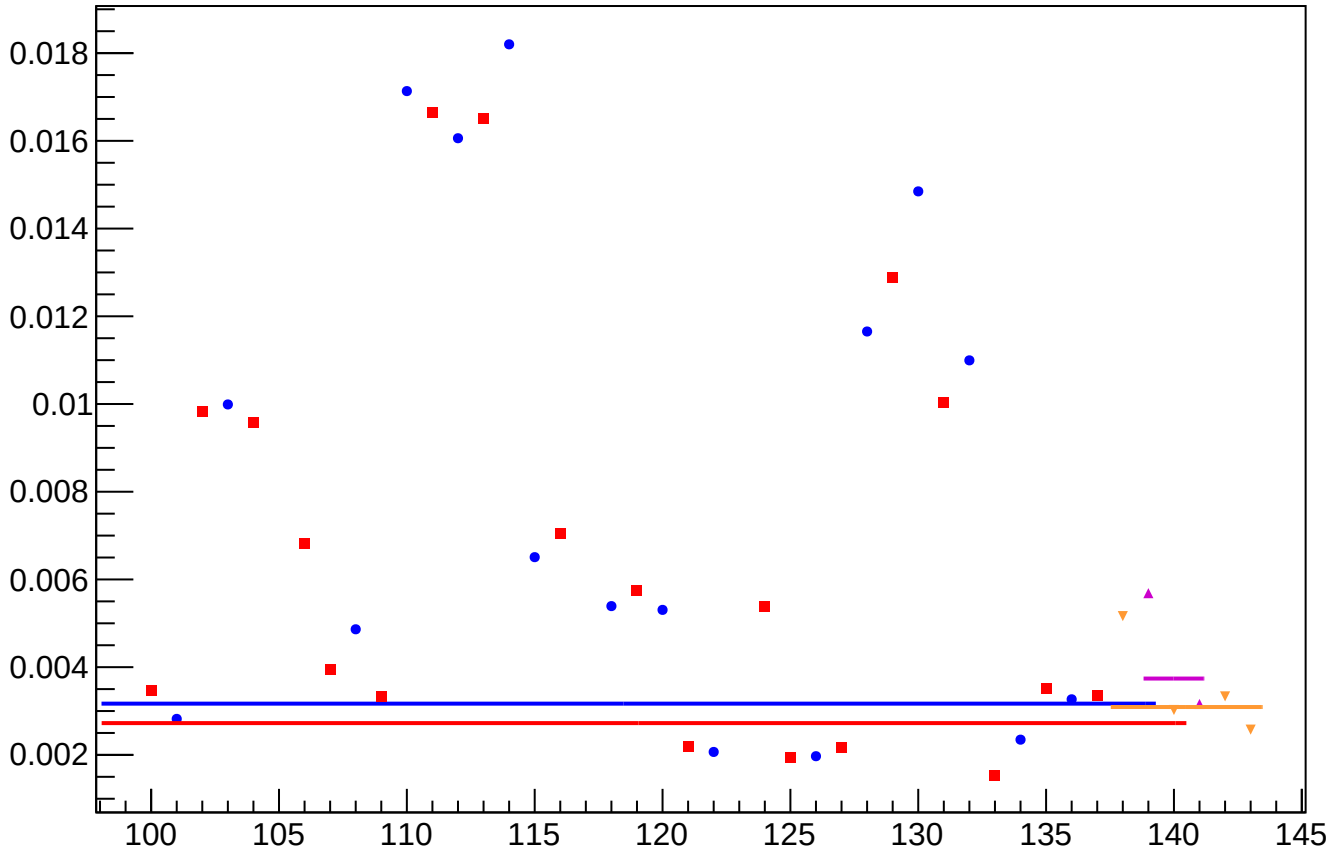
Left: 0.000+/-0.000 χ^2/NDF: 4.9/5

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:17.4/22

All: -0.000+/-0.000 χ^2/NDF: 32.7/40



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:317937.9/3

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.004+/-0.000 χ^2/NDF:257261.9/1

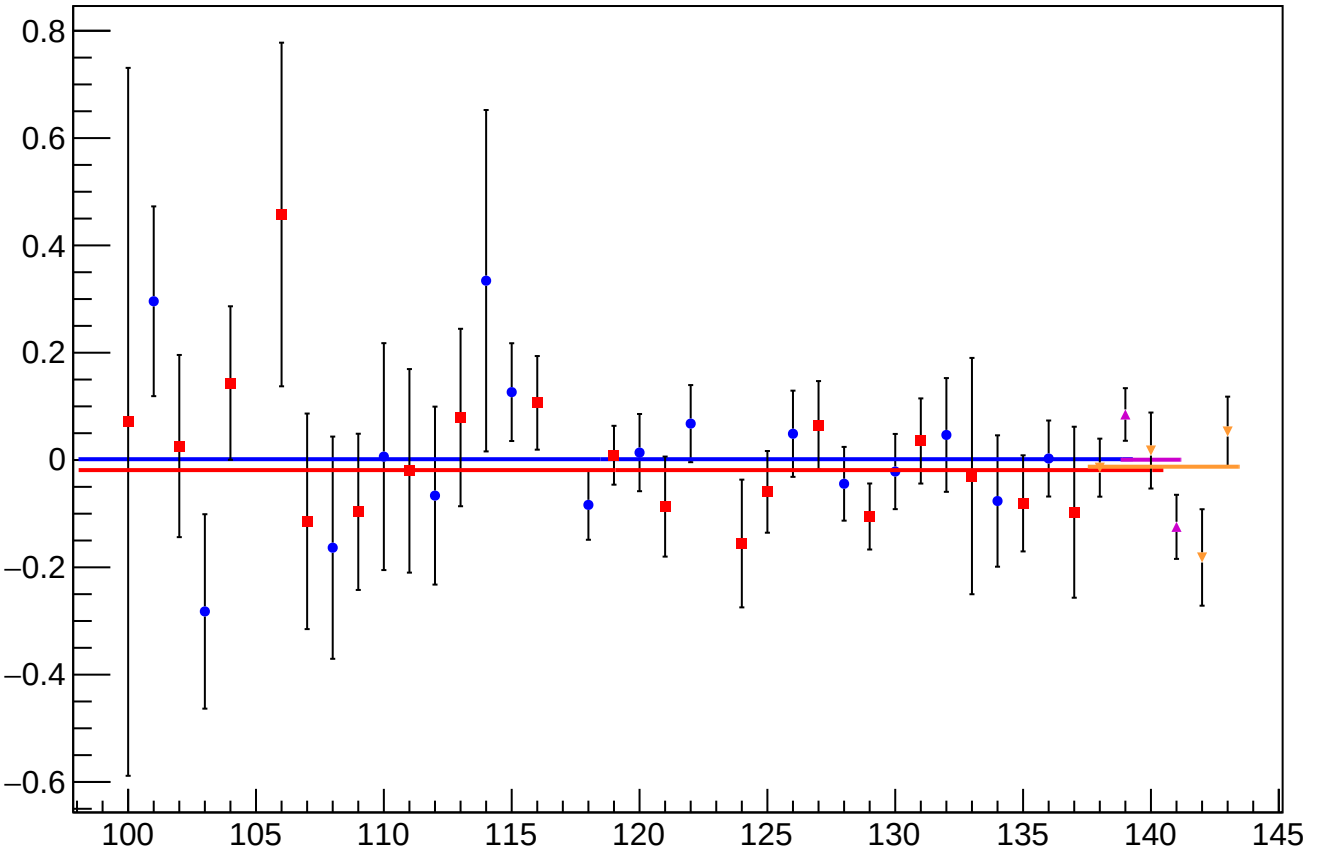
Left: 0.003+/-0.000 χ^2/NDF: 643617.5/5

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:5523160.1/22

All: 0.003+/-0.000 χ^2/NDF: 10523631.4/40



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.012+/-0.033 χ^2/NDF:4.7/3

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.001+/-0.038 χ^2/NDF:7.3/1

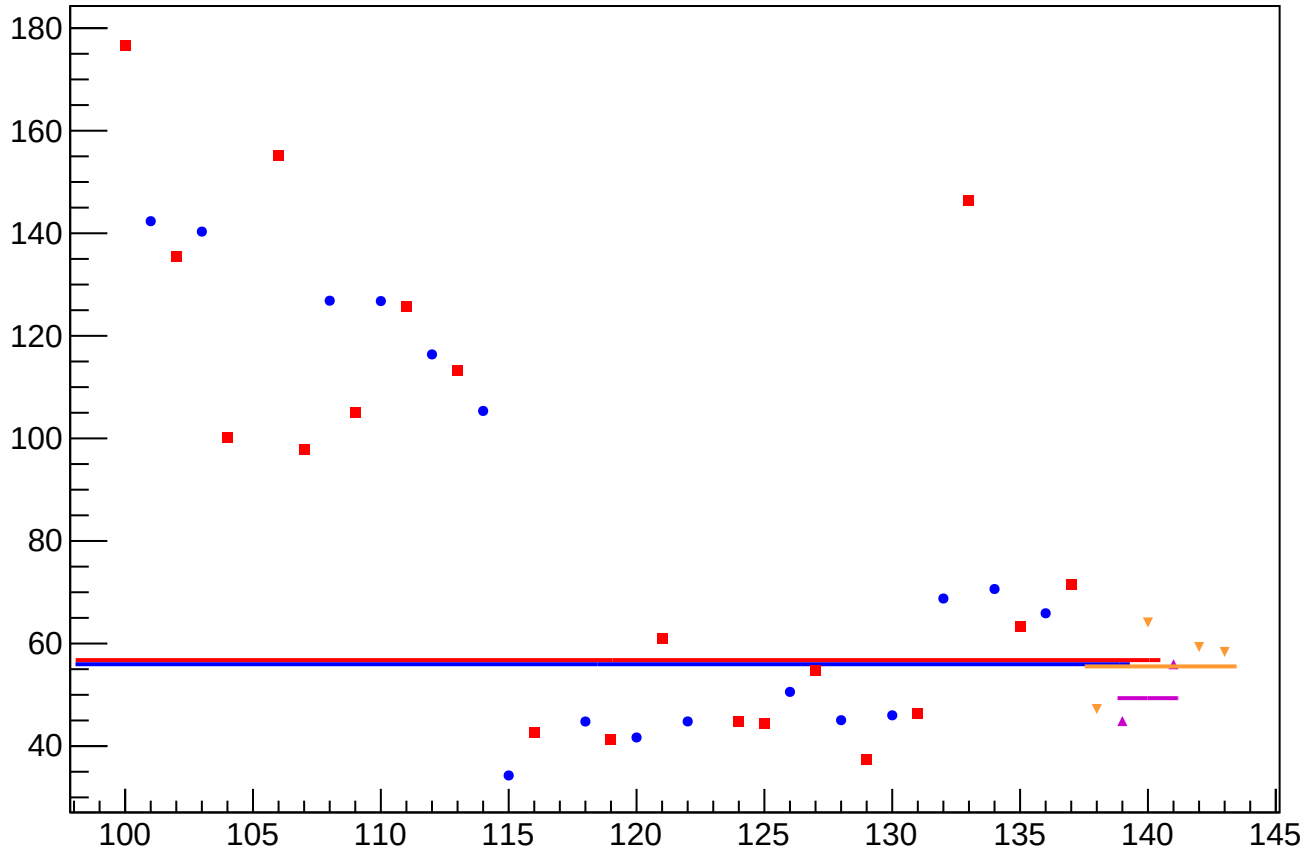
Left: -0.007+/-0.025 χ^2/NDF: 12.2/5

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.008+/-0.014 χ^2/NDF: 38.7/40



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.540+/-0.024 χ^2/NDF:83855.8/3

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: 52.843+/-0.018 χ^2/NDF: 155043.7/5

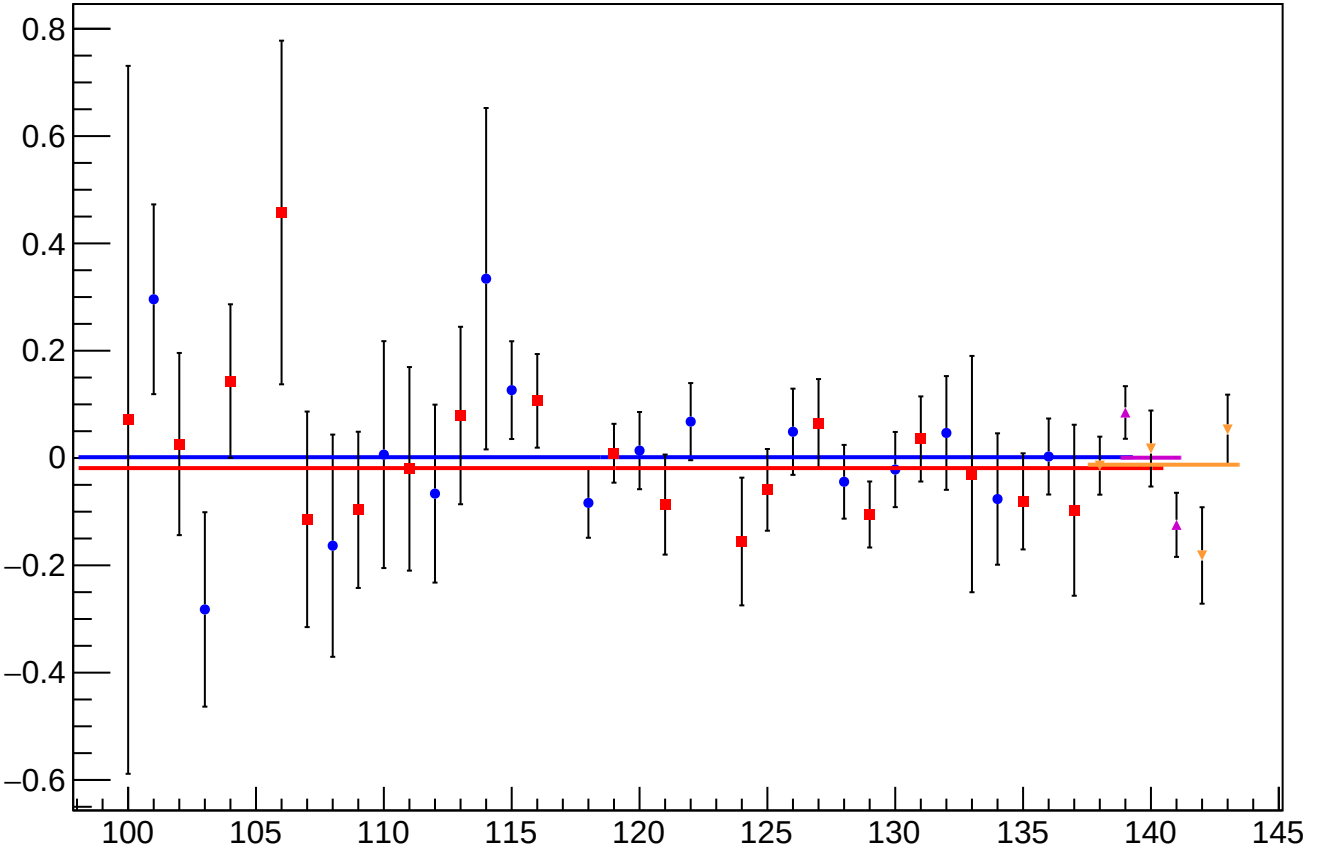
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.139+/-0.014 χ^2/NDF:2264969.7/17

Out: 56.361+/-0.014 χ^2/NDF:2638843.6/22

All: 55.290+/-0.010 χ^2/NDF: 4916703.0/40

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: -0.012+/-0.033 χ^2/NDF:4.7/3

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: -0.007+/-0.025 χ^2/NDF: 12.2/5

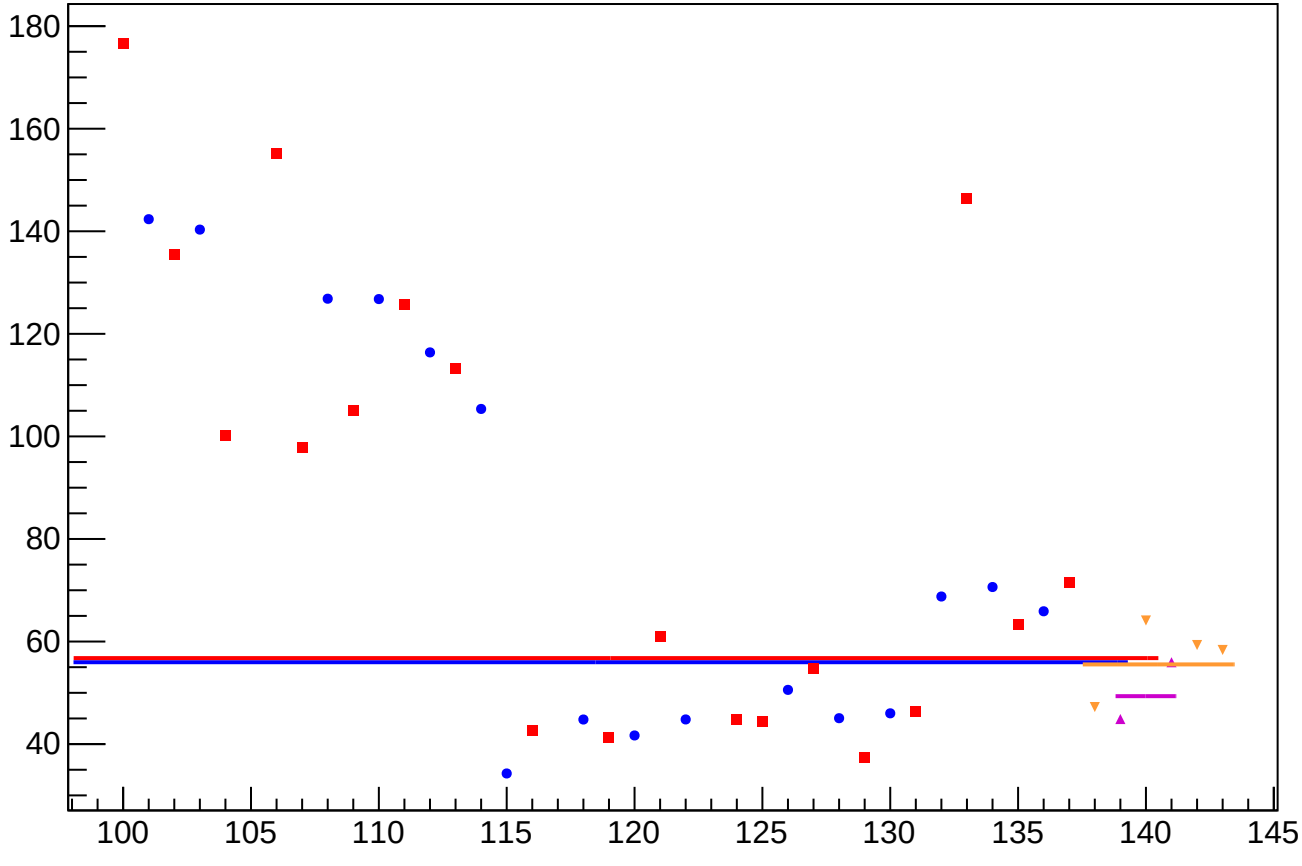
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.001+/-0.020 χ^2/NDF:20.4/17

Out: -0.017+/-0.019 χ^2/NDF:17.9/22

All: -0.008+/-0.014 χ^2/NDF: 38.7/40

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: 55.540+/-0.024 χ^2/NDF:83855.8/3

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 49.349+/-0.027 χ^2/NDF:41056.9/1

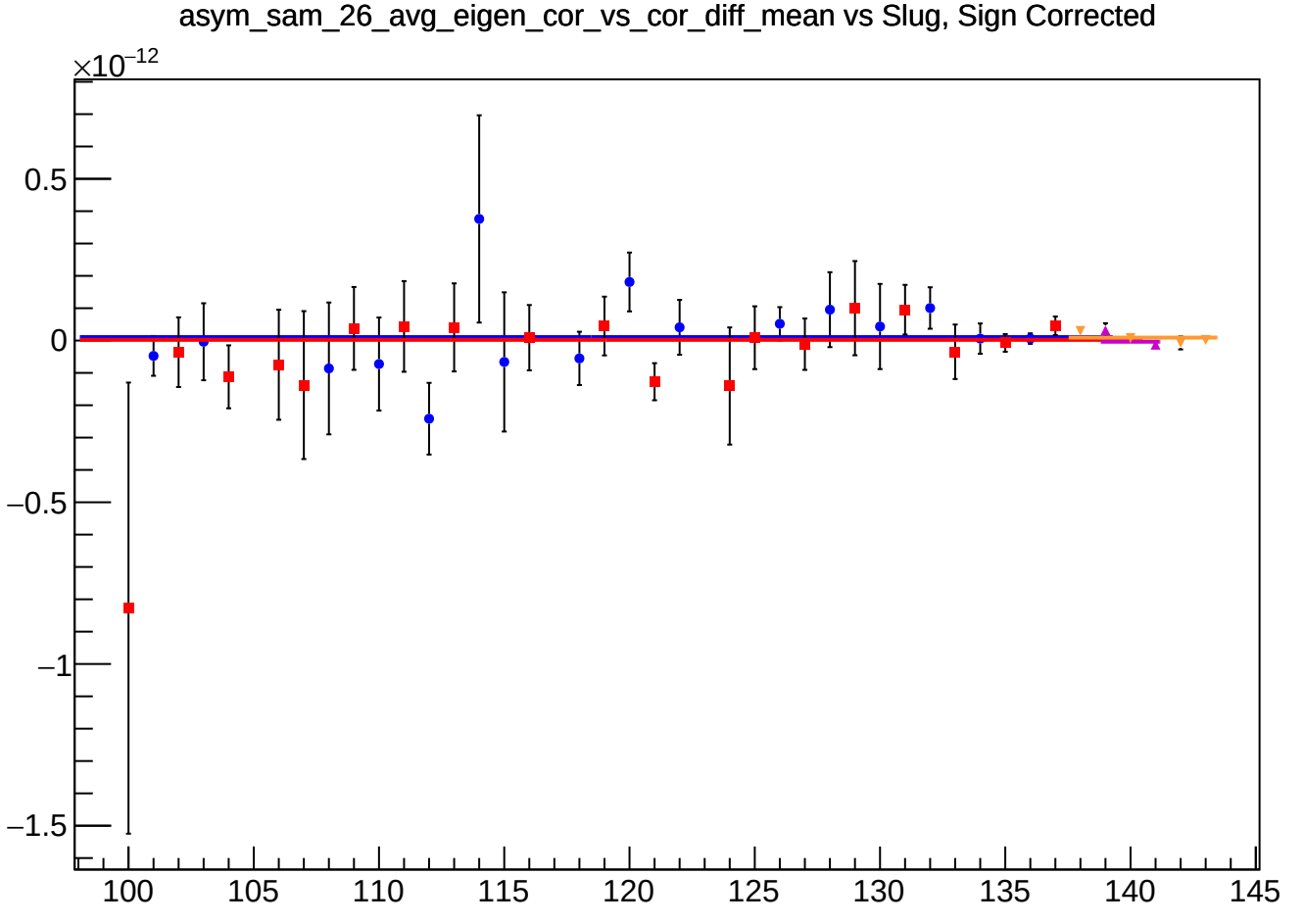
Left: 52.843+/-0.018 χ^2/NDF: 155043.7/5

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.139+/-0.014 χ^2/NDF:2264969.7/17

Out: 56.361+/-0.014 χ^2/NDF:2638843.6/22

All: 55.290+/-0.010 χ^2/NDF: 4916703.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/1

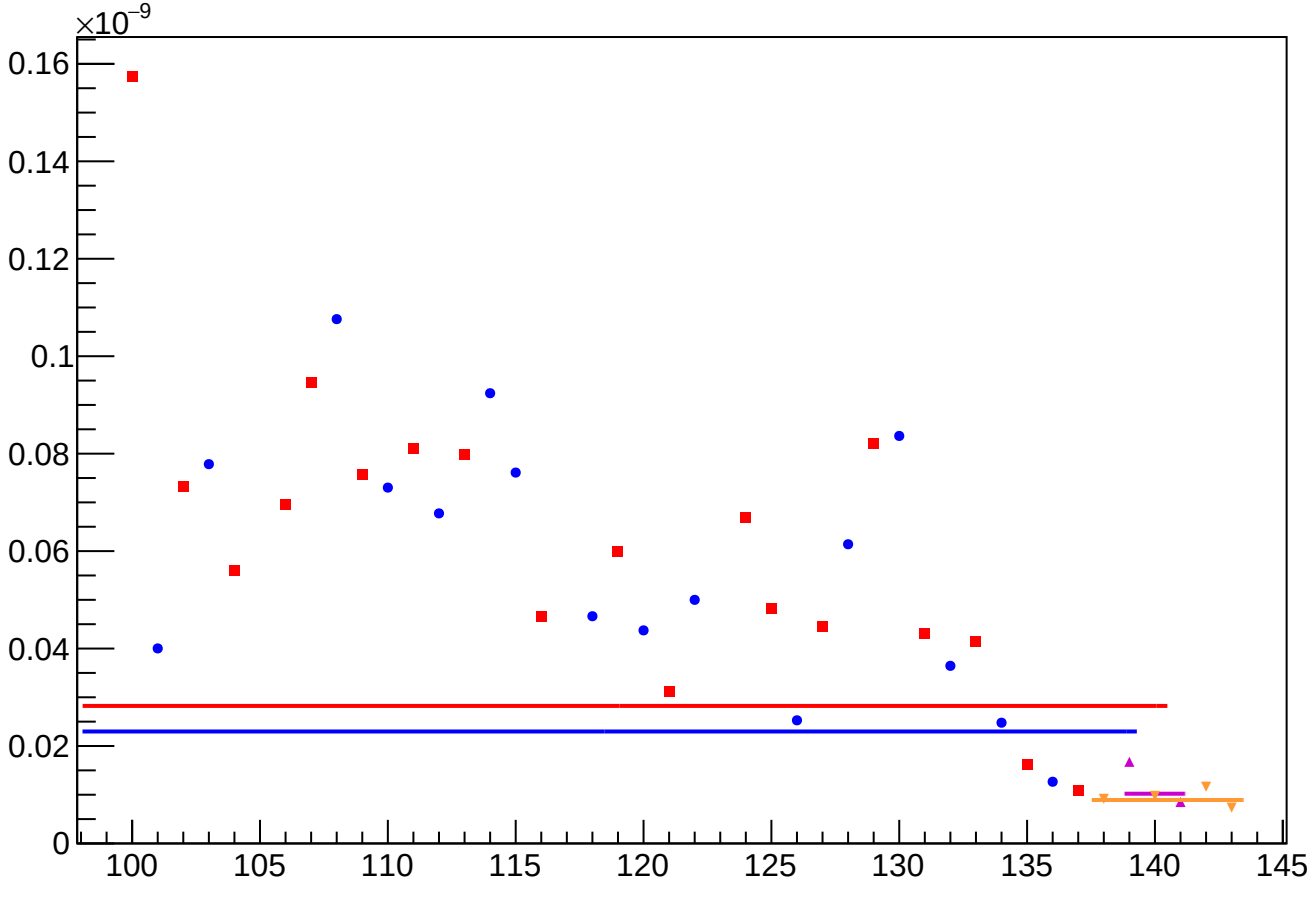
Left: 0.000+/-0.000 χ^2/NDF: 8.0/5

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:18.0/22

All: 0.000+/-0.000 χ^2/NDF: 38.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:91654.9/3

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: 340269.8/5

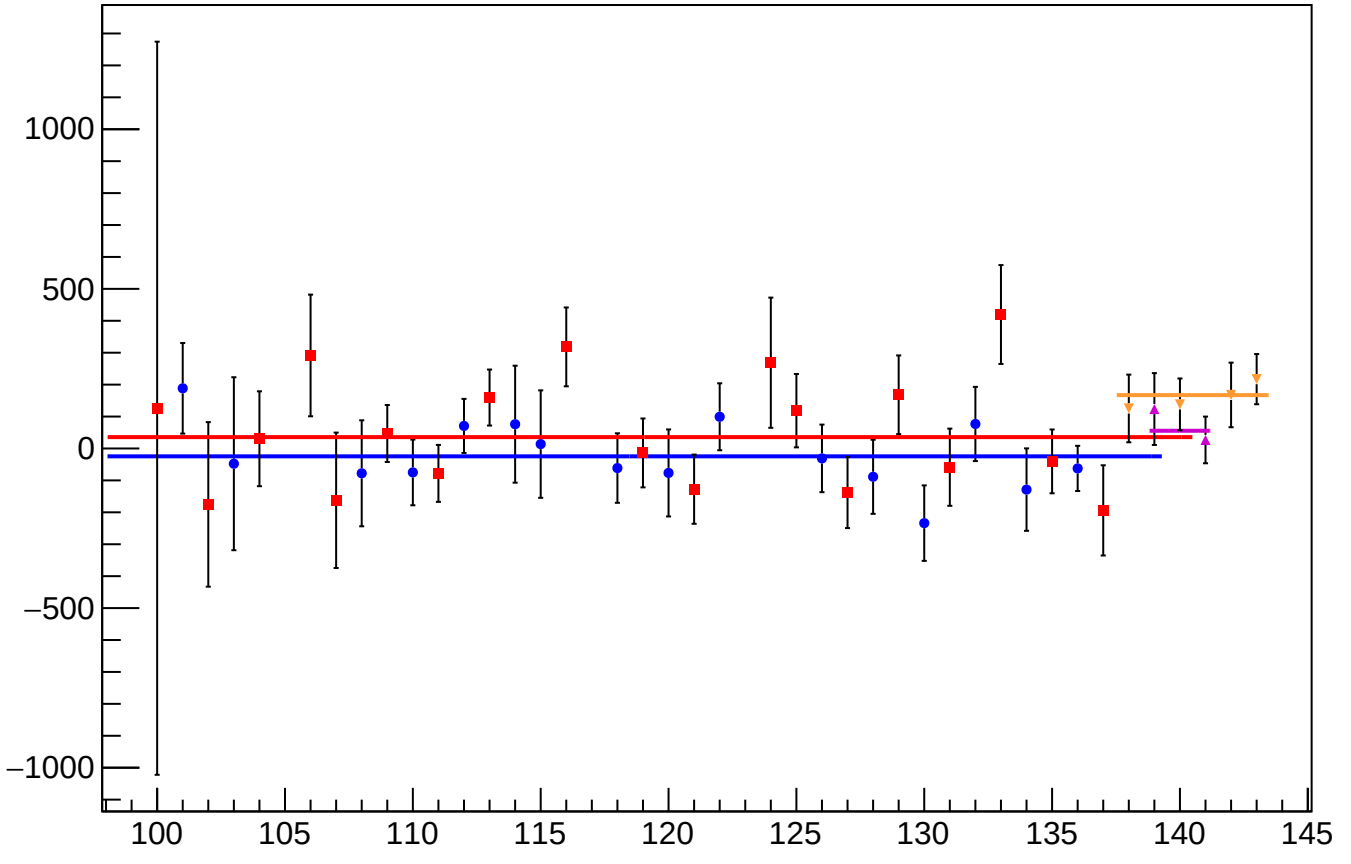
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:5179875.3/17

Out: 0.000+/-0.000 χ^2/NDF:6560435.9/22

All: 0.000+/-0.000 χ^2/NDF: 11949568.1/40

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.178+/-44.700 χ^2/NDF:0.7/3

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: 128.409+/-36.119 χ^2/NDF: 3.4/5

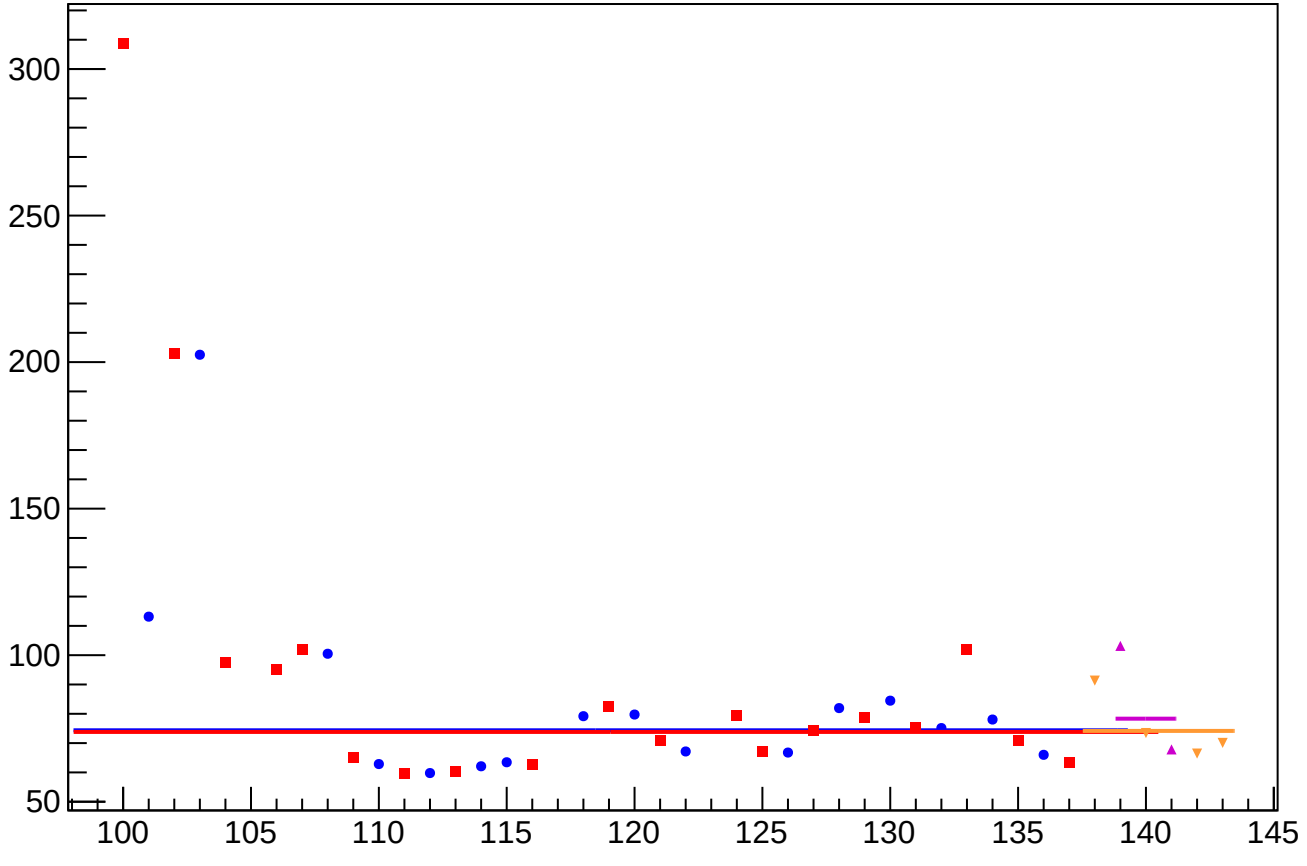
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: -10.055+/-26.150 χ^2/NDF:12.9/17

Out: 73.529+/-24.004 χ^2/NDF:36.9/22

All: 35.308+/-17.683 χ^2/NDF: 55.4/40

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

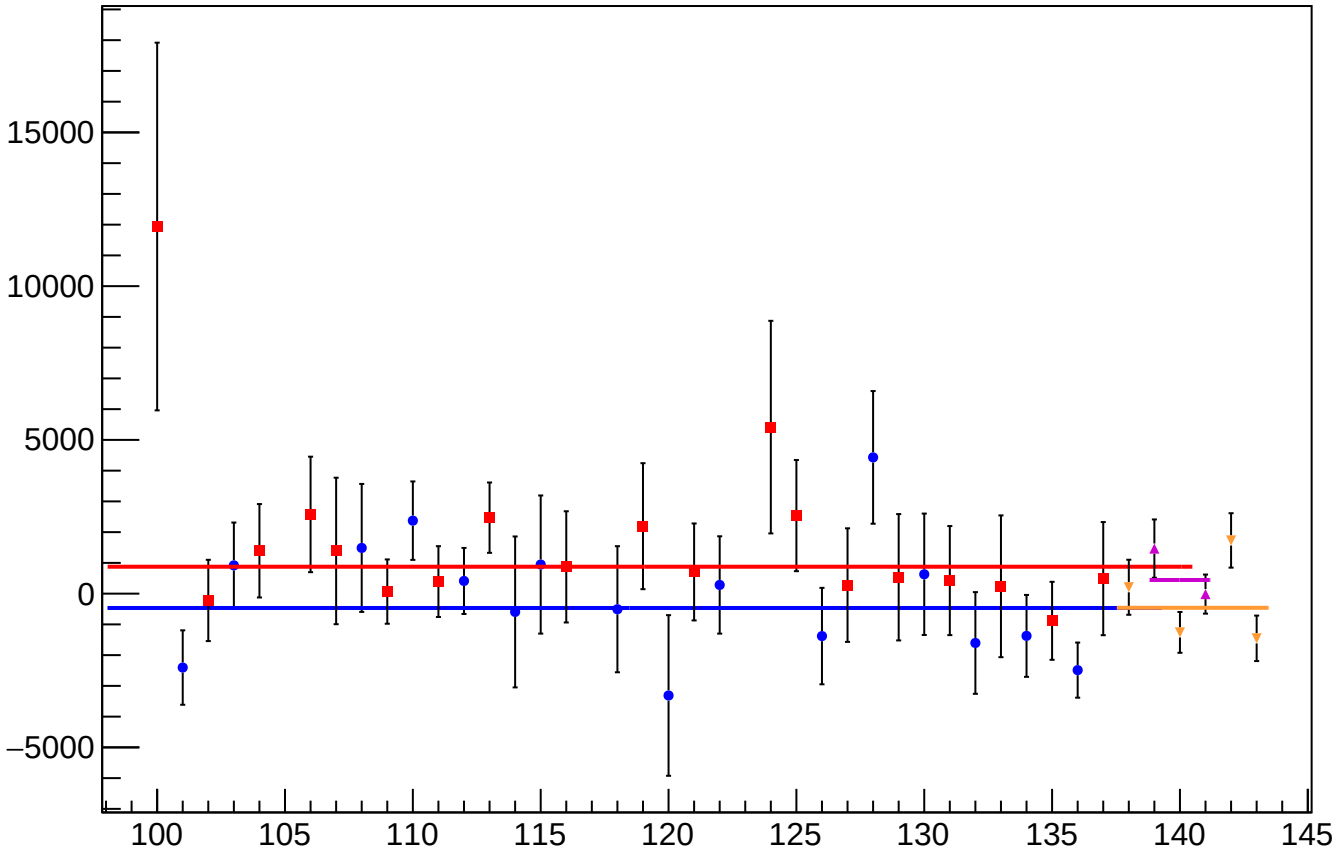
Left: 75.610+/-0.026 χ^2/NDF: 214326.9/5

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 75.091+/-0.018 χ^2/NDF:972968.3/17

Out: 73.915+/-0.017 χ^2/NDF:1001771.3/22

All: 74.453+/-0.013 χ^2/NDF: 1976934.9/40



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -460.227+/-388.596 χ^2/NDF:9.9/3

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 444.049+/-527.854 χ^2/NDF:1.7/1

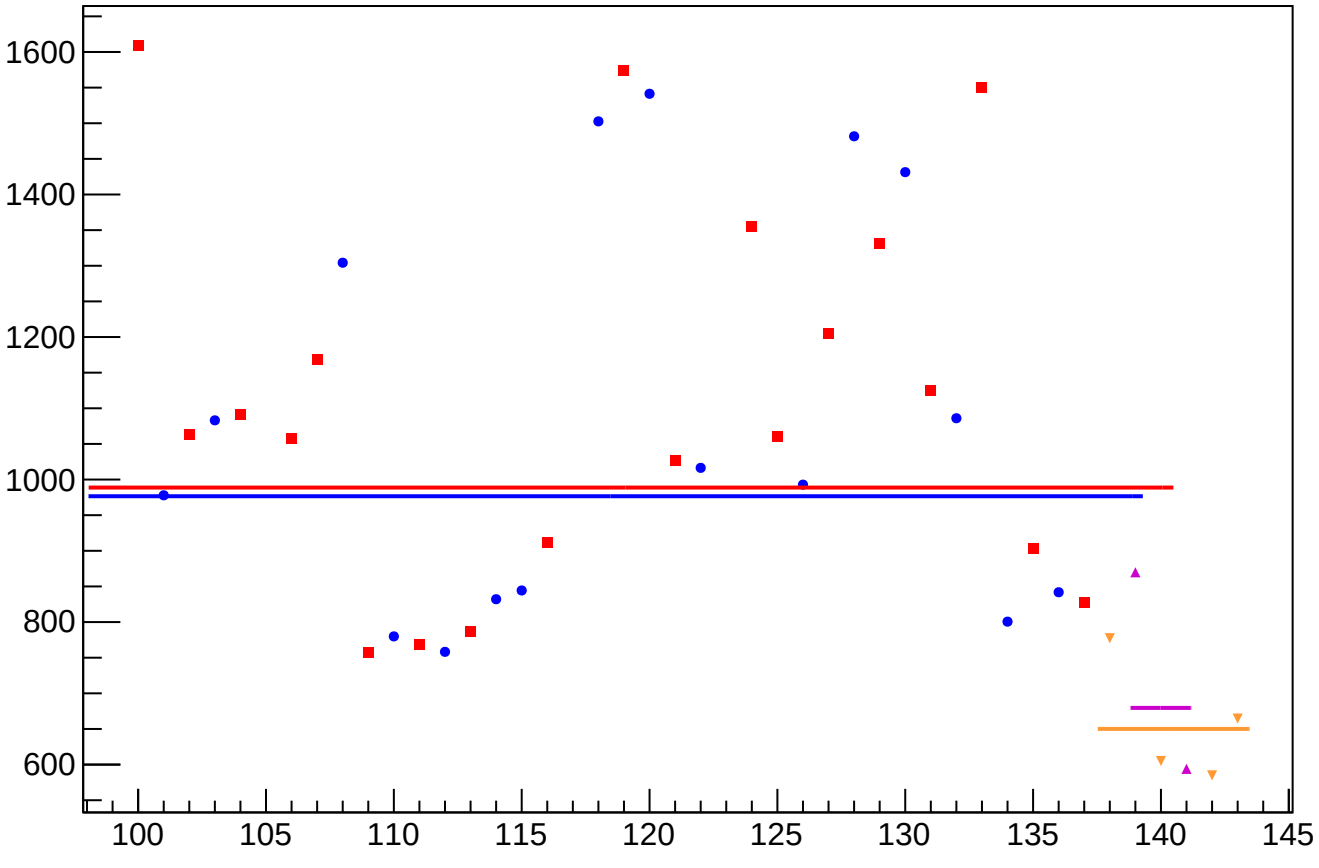
Left: -142.396+/-312.940 χ^2/NDF: 13.5/5

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -161.070+/-305.724 χ^2/NDF:27.4/17

Out: 236.262+/-268.809 χ^2/NDF:29.2/22

All: 63.020+/-201.873 χ^2/NDF: 57.5/40



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 650.089+/-0.275 χ^2/NDF:61265.8/3

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 679.566+/-0.373 χ^2/NDF:116839.3/1

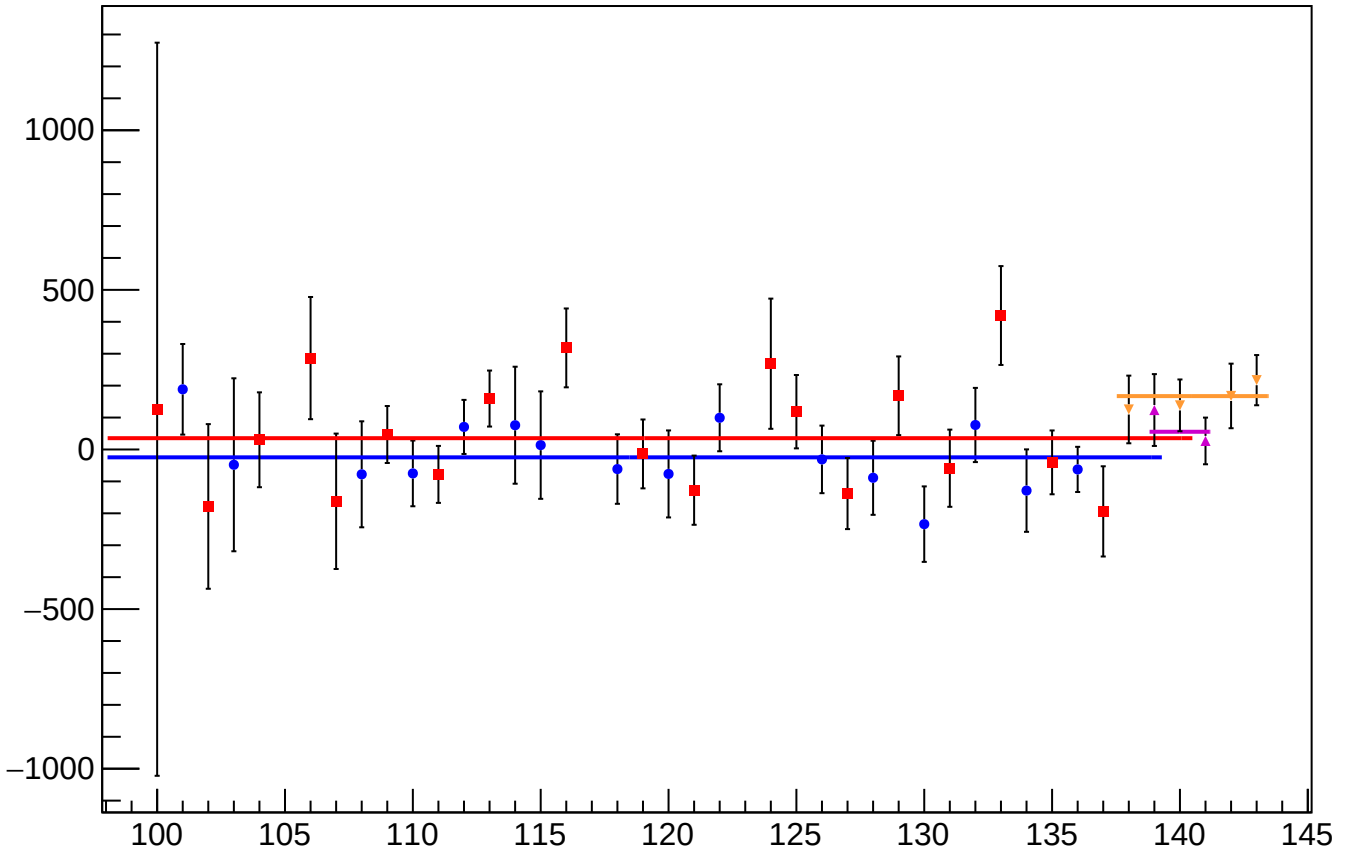
Left: 660.449+/-0.221 χ^2/NDF: 182149.9/5

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 876.948+/-0.216 χ^2/NDF:1274258.7/17

Out: 826.704+/-0.190 χ^2/NDF:1569184.6/22

All: 848.611+/-0.143 χ^2/NDF: 2873908.8/40



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.181+/-44.700 χ^2/NDF:0.7/3

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: 128.411+/-36.119 χ^2/NDF: 3.4/5

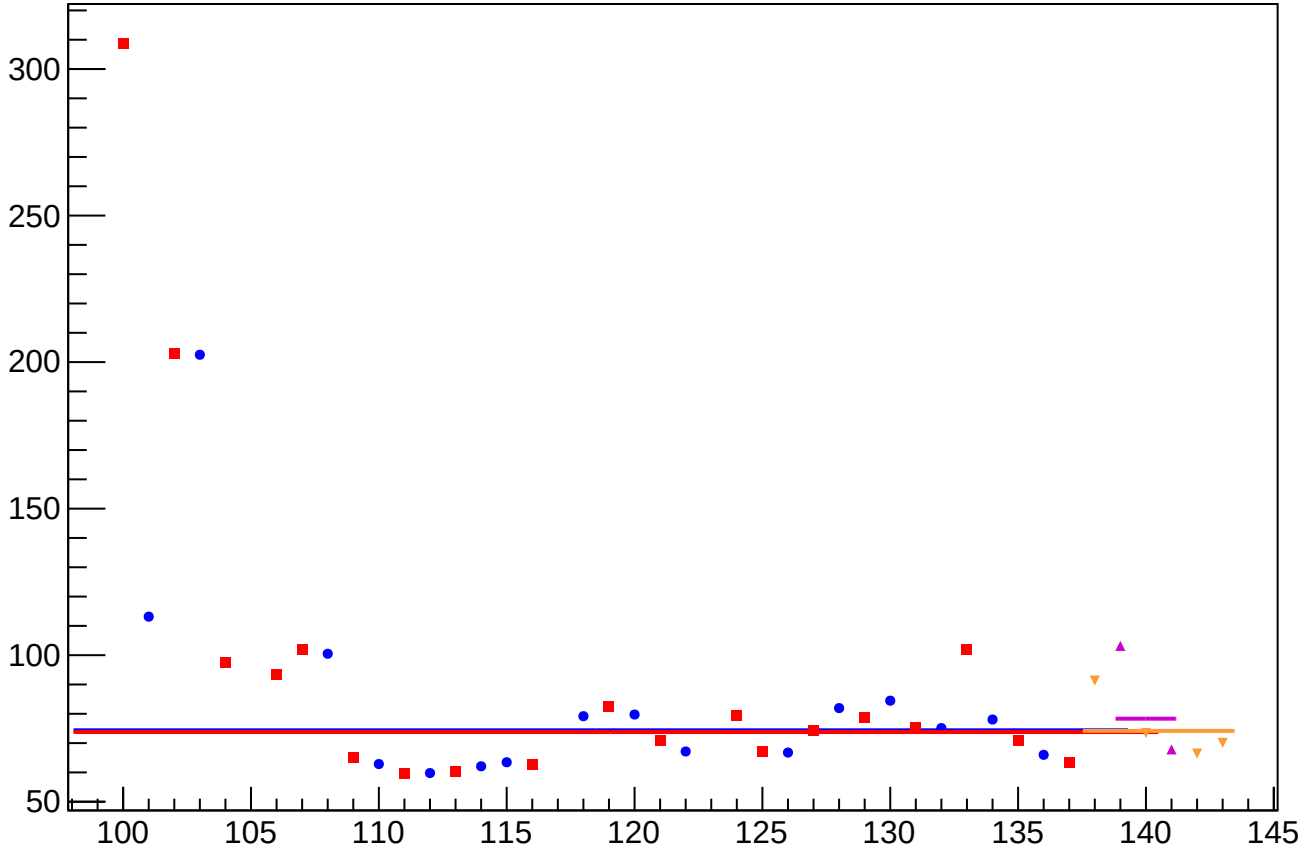
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -10.062+/-26.150 χ^2/NDF:12.9/17

Out: 73.394+/-24.005 χ^2/NDF:36.9/22

All: 35.229+/-17.684 χ^2/NDF: 55.4/40

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 78.336+/-0.043 χ^2/NDF:138533.9/1

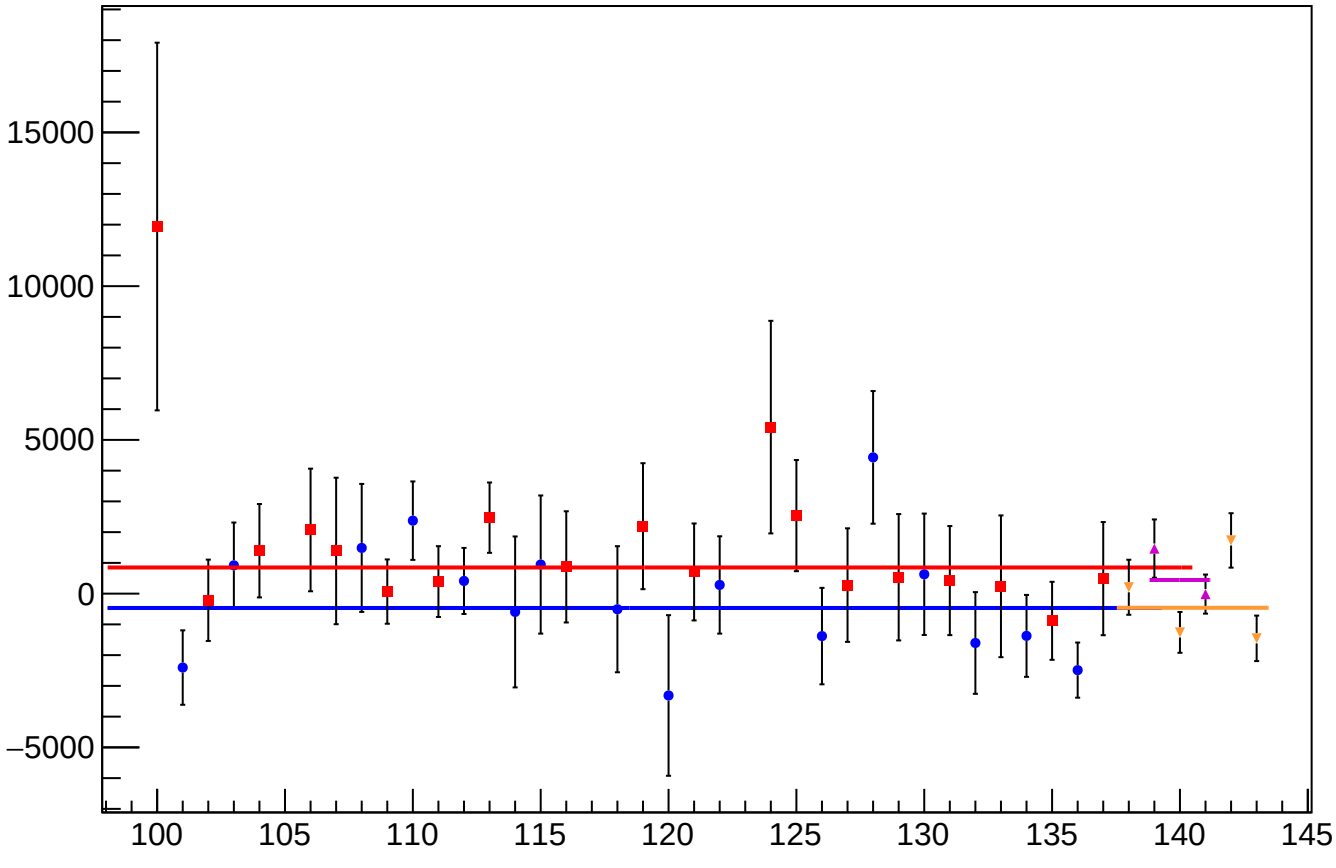
Left: 75.610+/-0.026 χ^2/NDF: 214326.9/5

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 75.091+/-0.018 χ^2/NDF:972970.4/17

Out: 73.885+/-0.017 χ^2/NDF:998008.0/22

All: 74.436+/-0.013 χ^2/NDF: 1973286.1/40



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -460.216+/-388.595 χ^2/NDF:9.9/3

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 444.051+/-527.855 χ^2/NDF:1.7/1

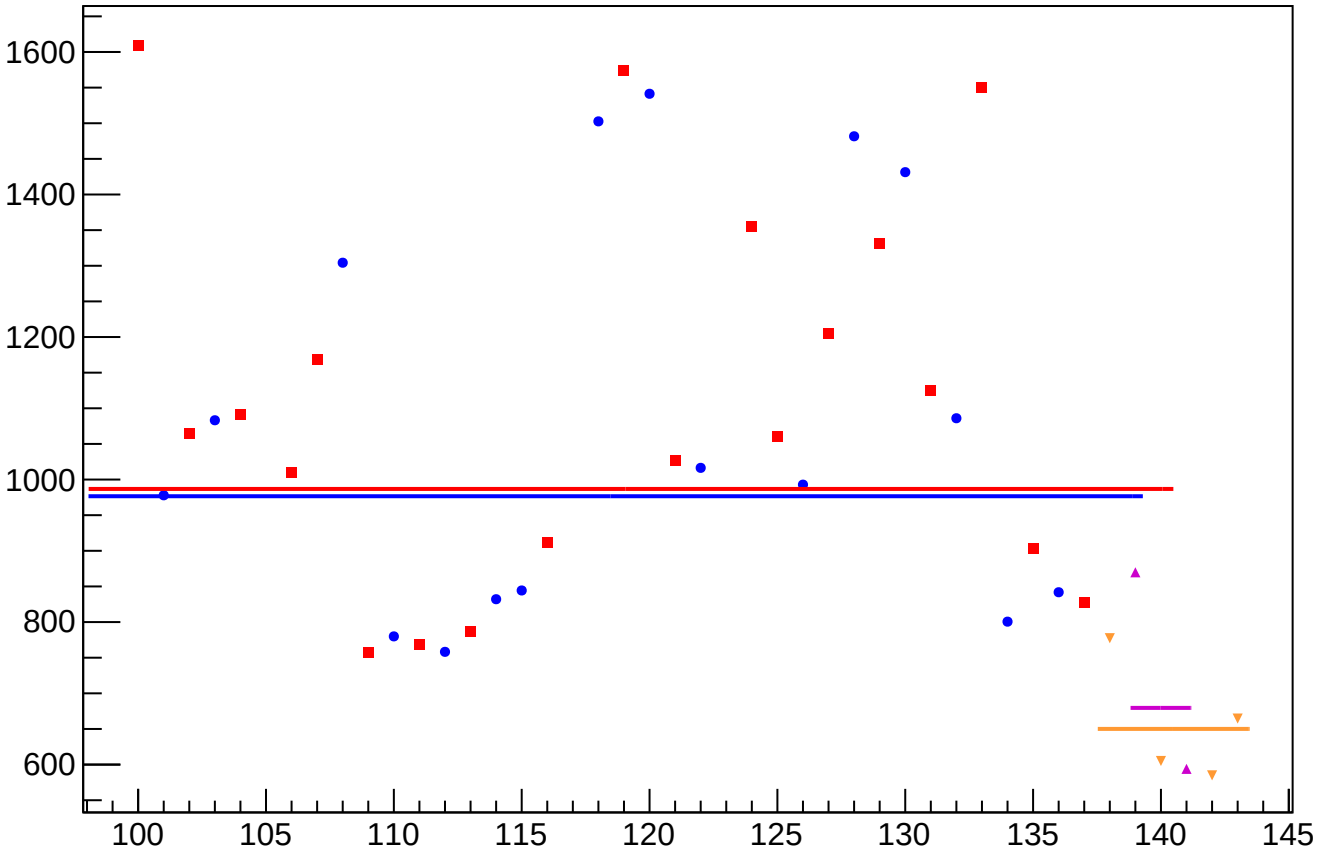
Left: -142.389+/-312.940 χ^2/NDF: 13.5/5

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -161.058+/-305.726 χ^2/NDF:27.4/17

Out: 221.943+/-269.130 χ^2/NDF:28.4/22

All: 54.726+/-202.009 χ^2/NDF: 56.7/40



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 650.088+/-0.275 χ^2/NDF:61265.8/3

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 679.567+/-0.373 χ^2/NDF:116837.9/1

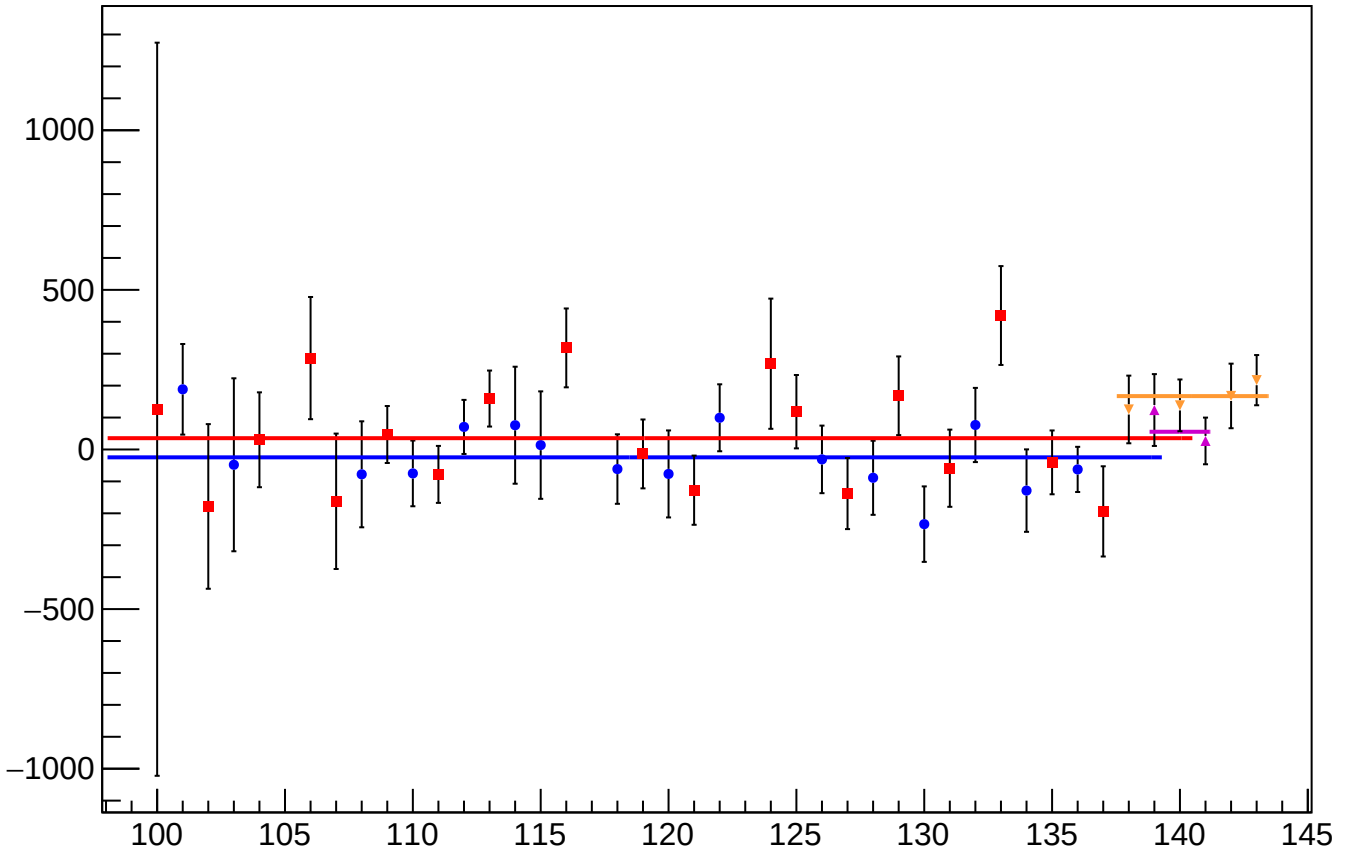
Left: 660.449+/-0.221 χ^2/NDF: 182148.9/5

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 876.951+/-0.216 χ^2/NDF:1274291.8/17

Out: 825.307+/-0.190 χ^2/NDF:1556035.3/22

All: 847.855+/-0.143 χ^2/NDF: 2862481.0/40



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 167.181+/-44.700 χ^2/NDF:0.7/3

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 55.483+/-61.307 χ^2/NDF:0.5/1

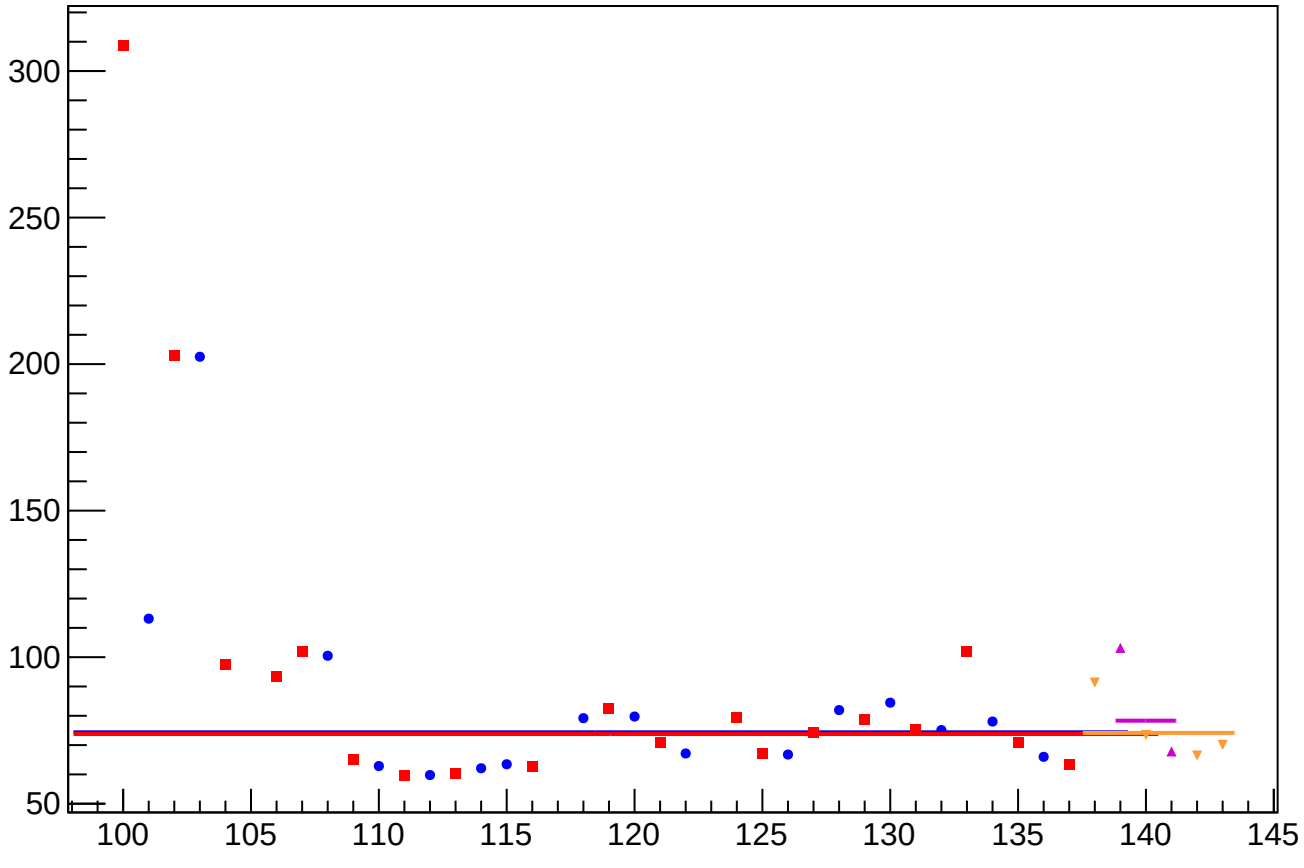
Left: 128.411+/-36.119 χ^2/NDF: 3.4/5

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: -10.062+/-26.150 χ^2/NDF:12.9/17

Out: 73.394+/-24.005 χ^2/NDF:36.9/22

All: 35.229+/-17.684 χ^2/NDF: 55.4/40



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 74.161+/-0.032 χ^2/NDF:69736.9/3

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: 75.610+/-0.026 χ^2/NDF: 214326.9/5

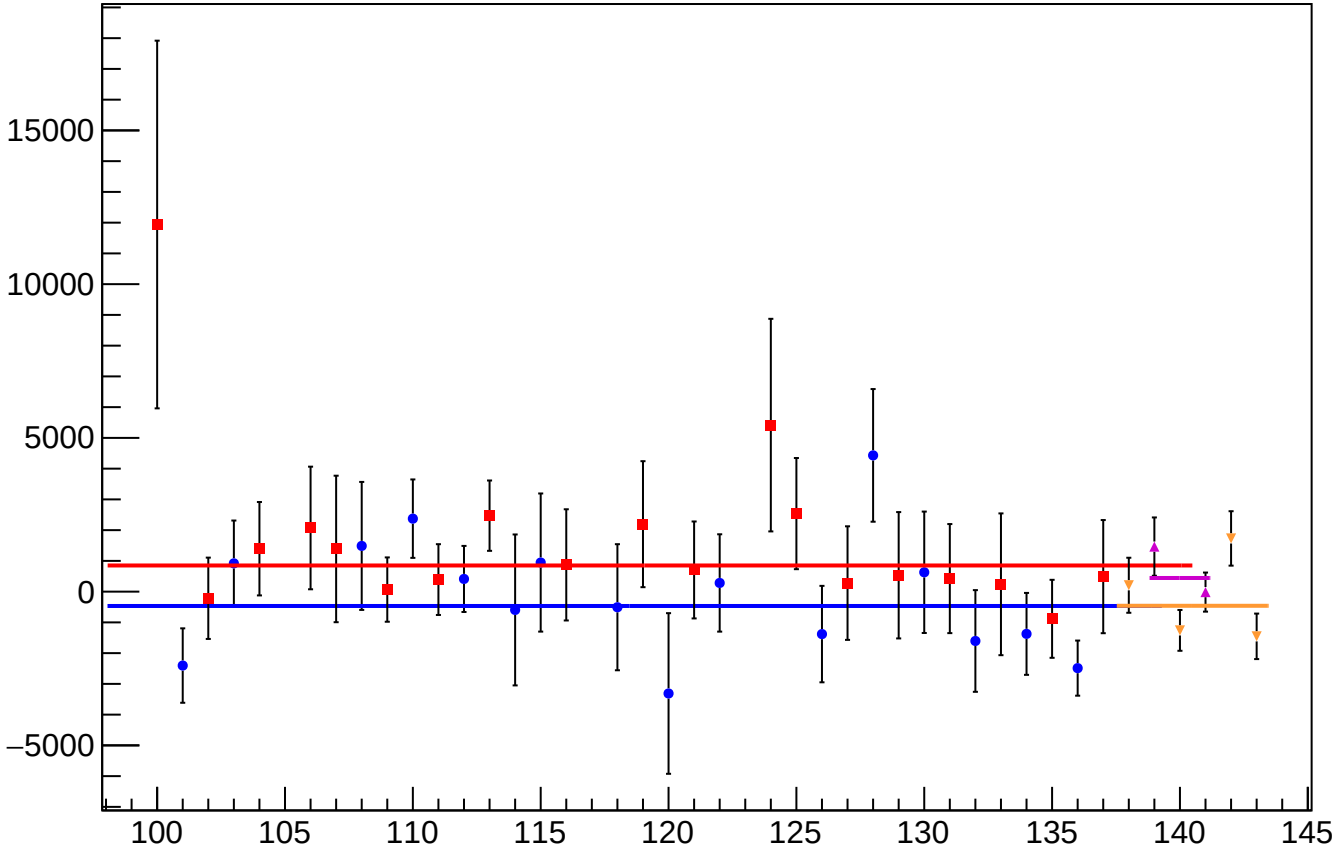
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 75.091+/-0.018 χ^2/NDF:972970.4/17

Out: 73.885+/-0.017 χ^2/NDF:998008.0/22

All: 74.436+/-0.013 χ^2/NDF: 1973286.1/40

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: -460.216+/-388.595 χ^2/NDF:9.9/3

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: -142.389+/-312.940 χ^2/NDF: 13.5/5

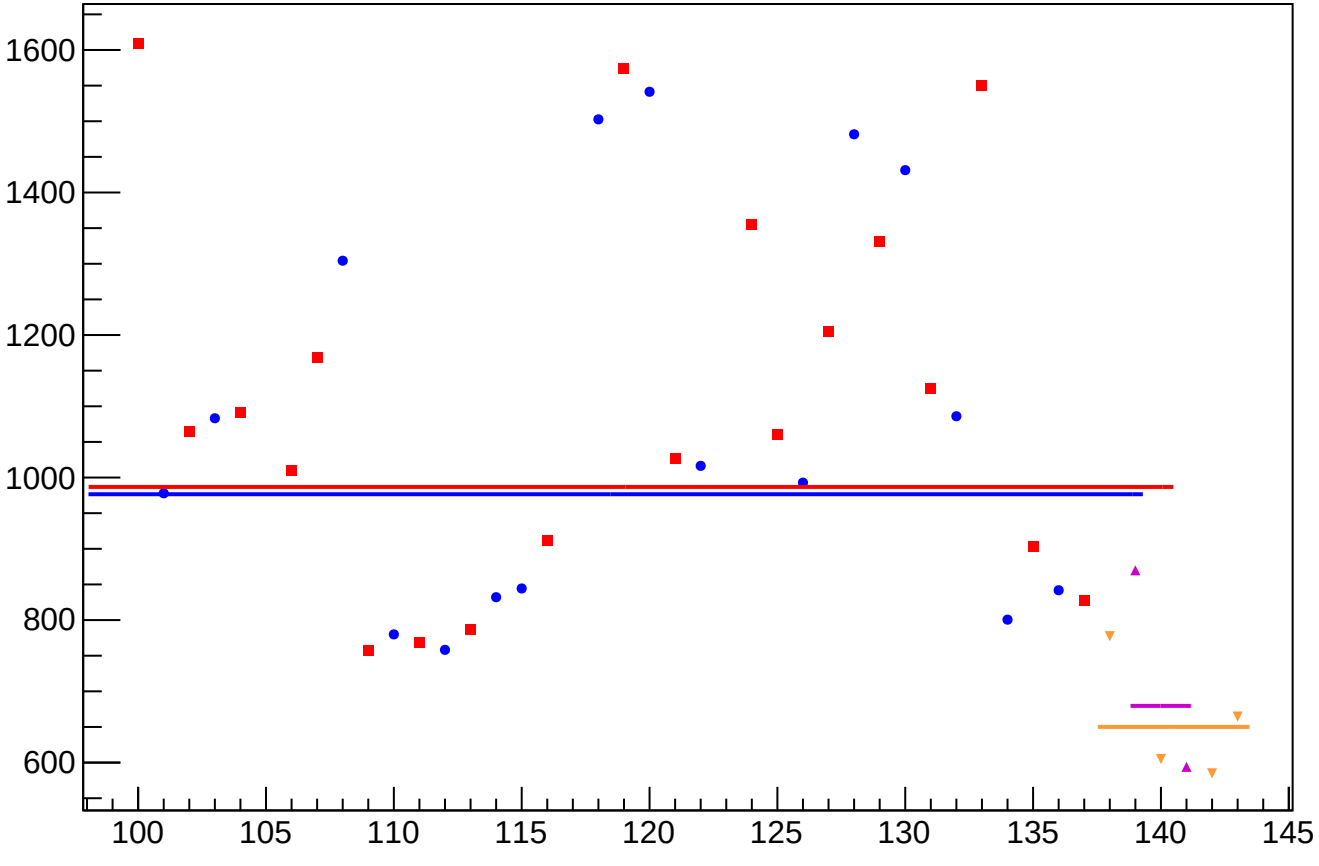
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -161.058+/-305.726 χ^2/NDF:27.4/17

Out: 221.943+/-269.130 χ^2/NDF:28.4/22

All: 54.726+/-202.009 χ^2/NDF: 56.7/40

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: 650.088+/-0.275 χ^2/NDF:61265.8/3

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 679.567+/-0.373 χ^2/NDF:116837.9/1

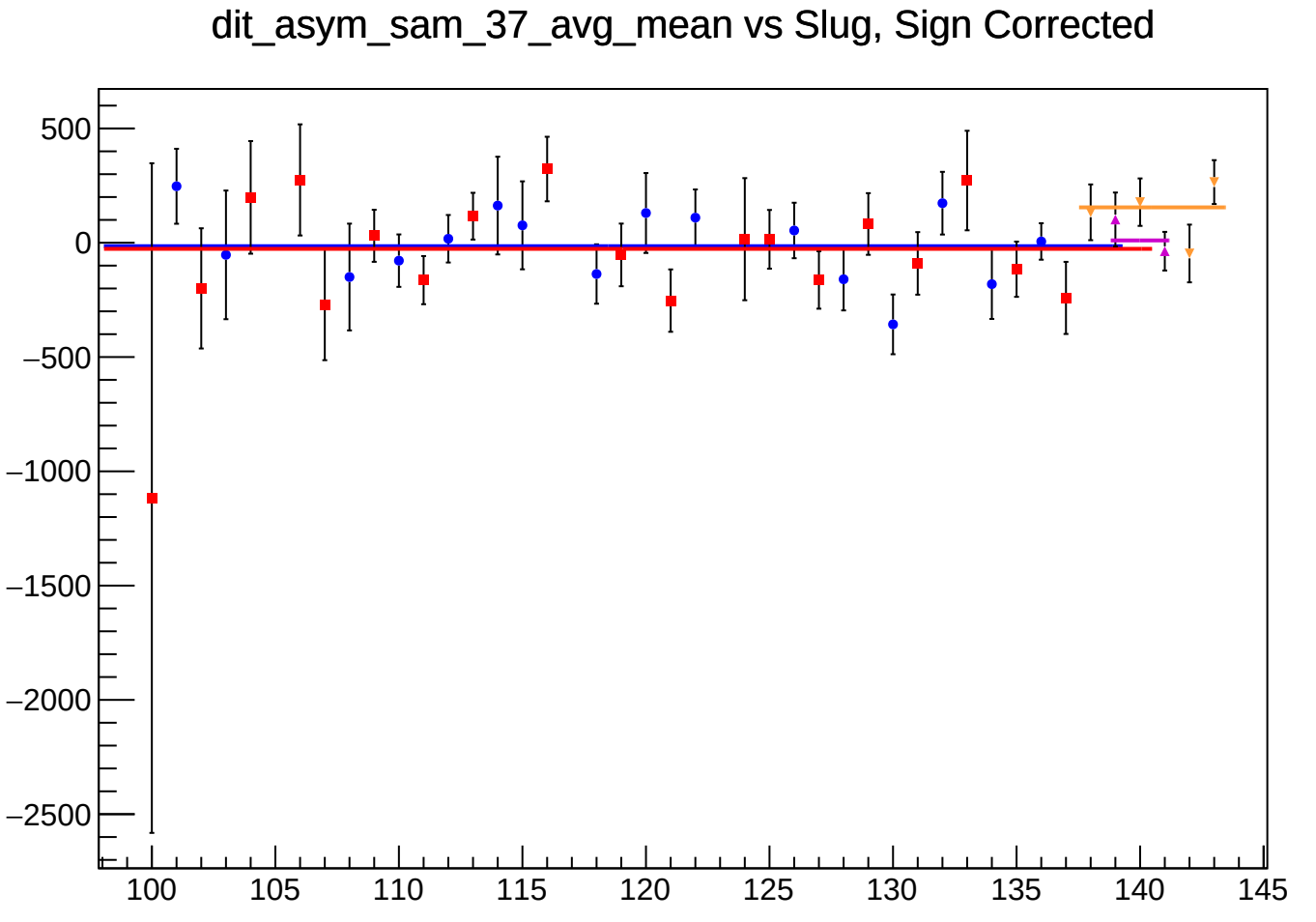
Left: 660.449+/-0.221 χ^2/NDF: 182148.9/5

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 876.951+/-0.216 χ^2/NDF:1274291.8/17

Out: 825.307+/-0.190 χ^2/NDF:1556035.3/22

All: 847.855+/-0.143 χ^2/NDF: 2862481.0/40



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 154.822+/-54.940 χ^2/NDF:4.0/3

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: 98.418+/-42.906 χ^2/NDF: 7.6/5

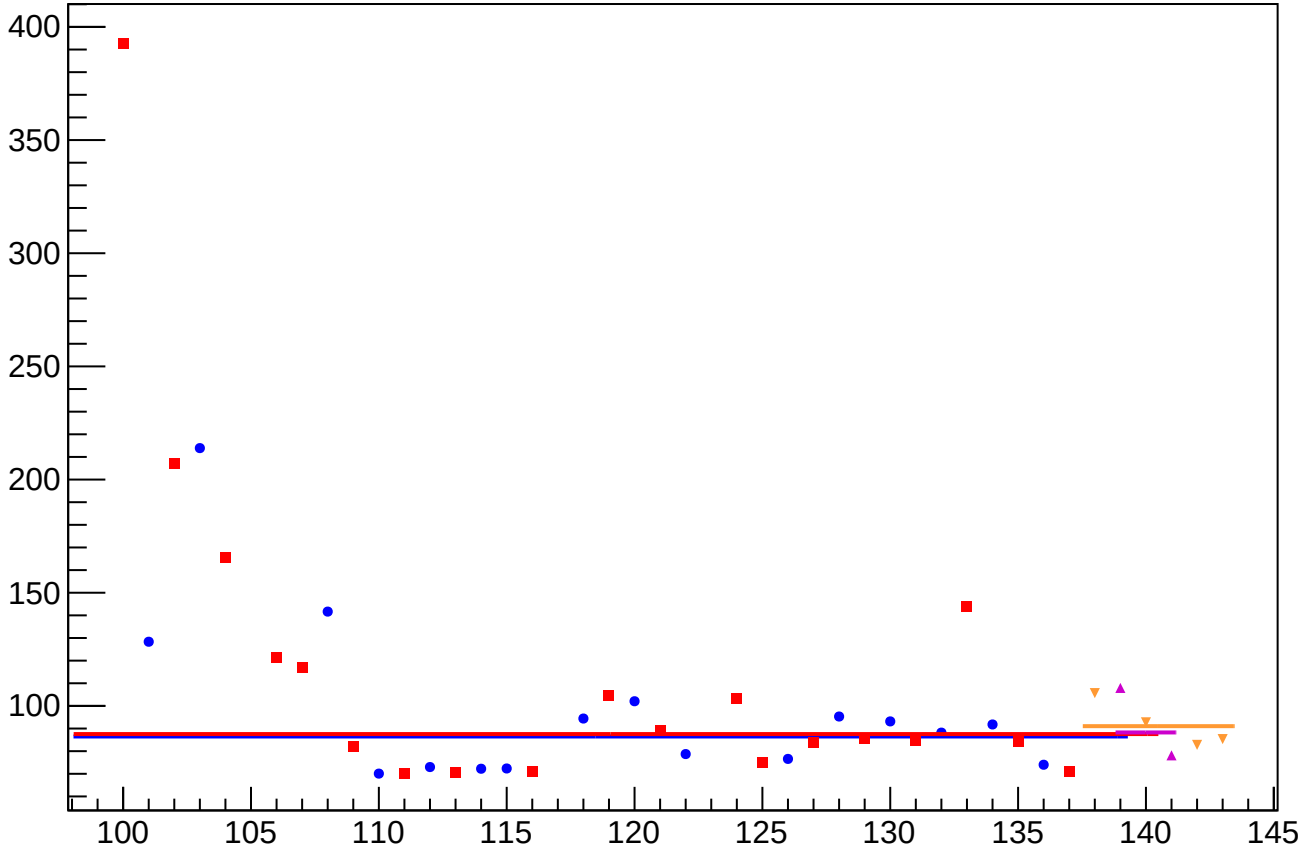
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -10.054+/-30.300 χ^2/NDF:19.3/17

Out: 23.756+/-28.956 χ^2/NDF:35.4/22

All: 7.617+/-20.934 χ^2/NDF: 55.4/40

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 91.047+/-0.039 χ^2/NDF:44874.0/3

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 88.269+/-0.049 χ^2/NDF:84356.3/1

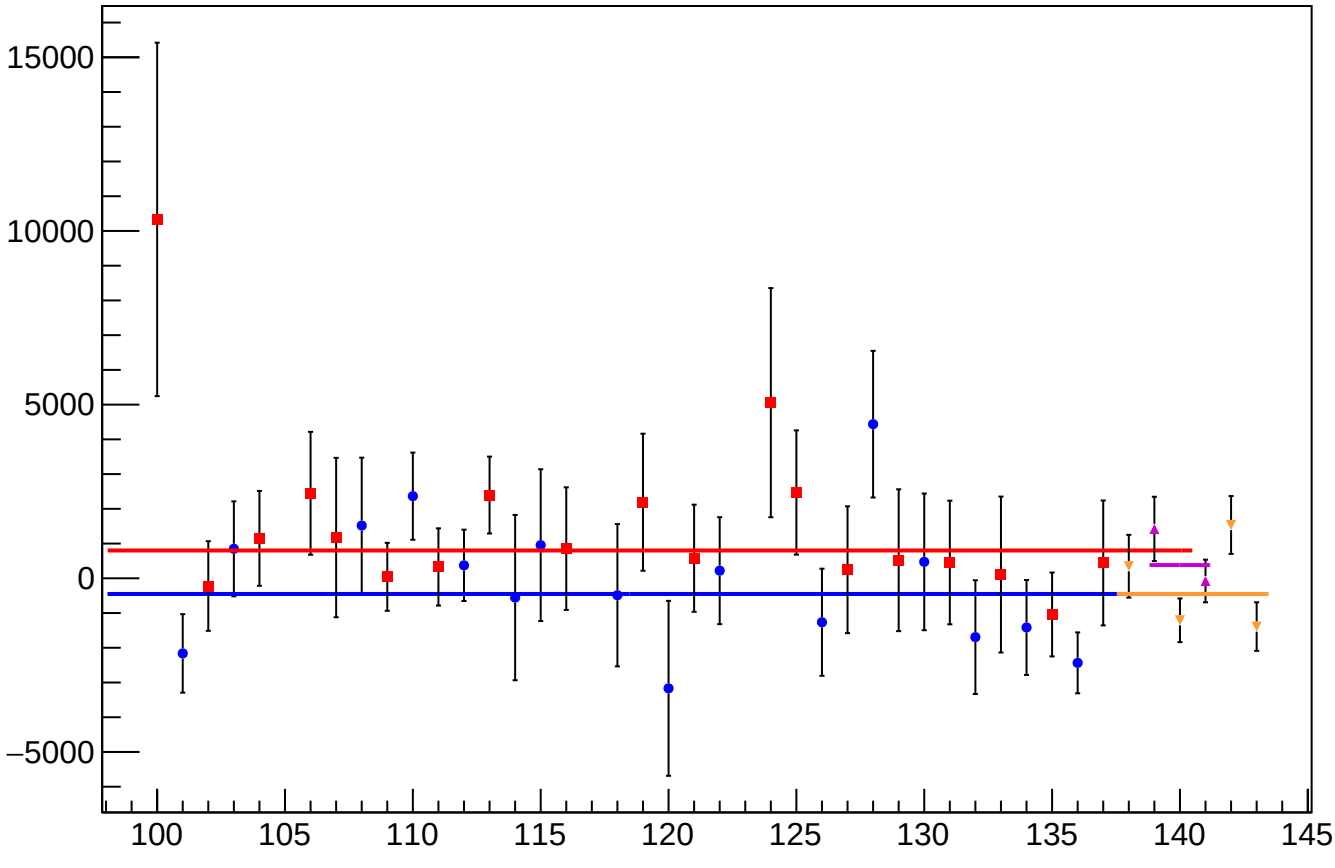
Left: 89.963+/-0.030 χ^2/NDF: 131224.8/5

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 86.835+/-0.021 χ^2/NDF:941695.9/17

Out: 88.525+/-0.020 χ^2/NDF:1180504.4/22

All: 87.718+/-0.015 χ^2/NDF: 2125449.9/40



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -451.190+/-371.571 χ^2/NDF:9.7/3

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 380.719+/-511.853 χ^2/NDF:1.8/1

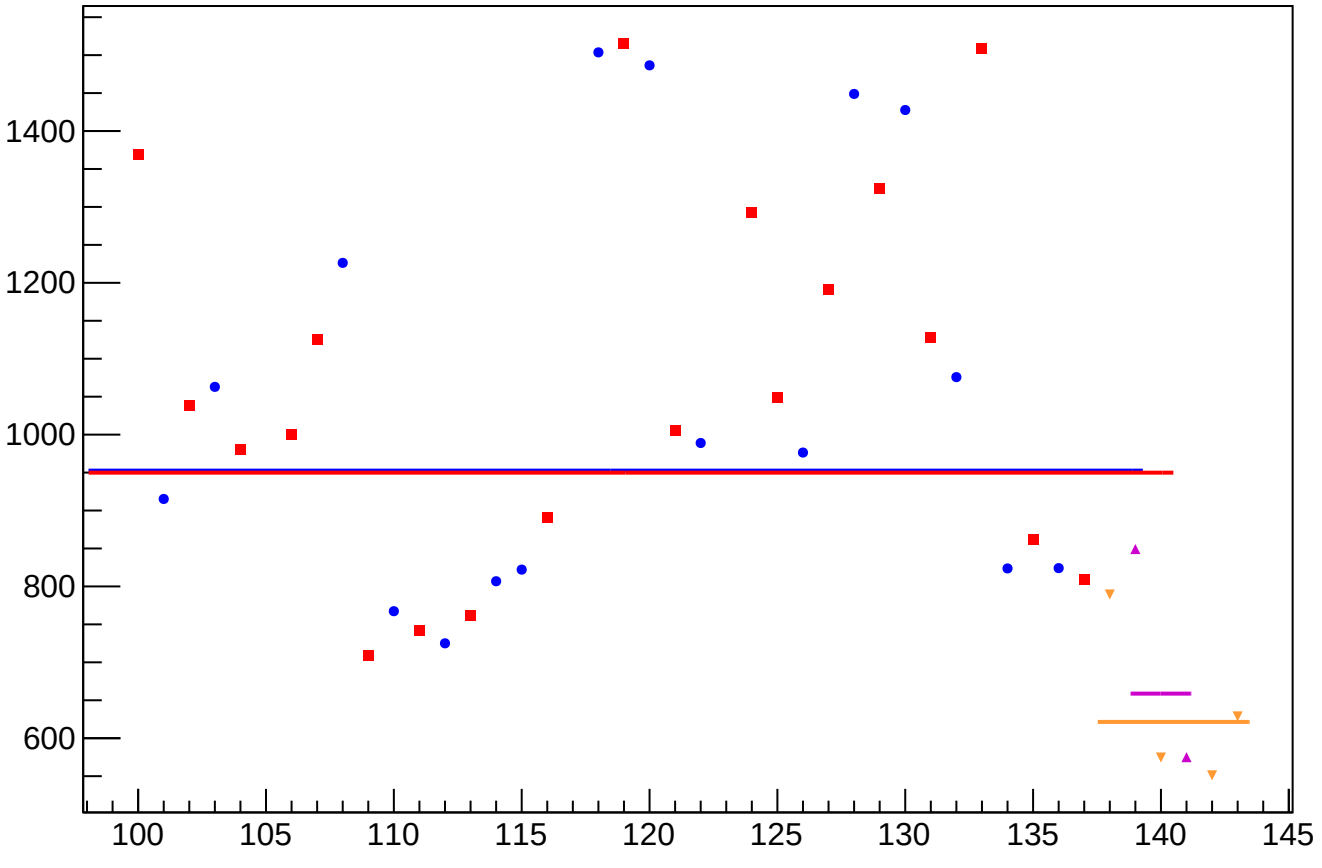
Left: -164.088+/-300.694 χ^2/NDF: 13.3/5

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -170.269+/-297.506 χ^2/NDF:27.3/17

Out: 198.530+/-257.758 χ^2/NDF:29.2/22

All: 40.396+/-194.811 χ^2/NDF: 57.4/40



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 621.492+/-0.263 χ^2/NDF:94671.5/3

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 658.772+/-0.362 χ^2/NDF:121721.4/1

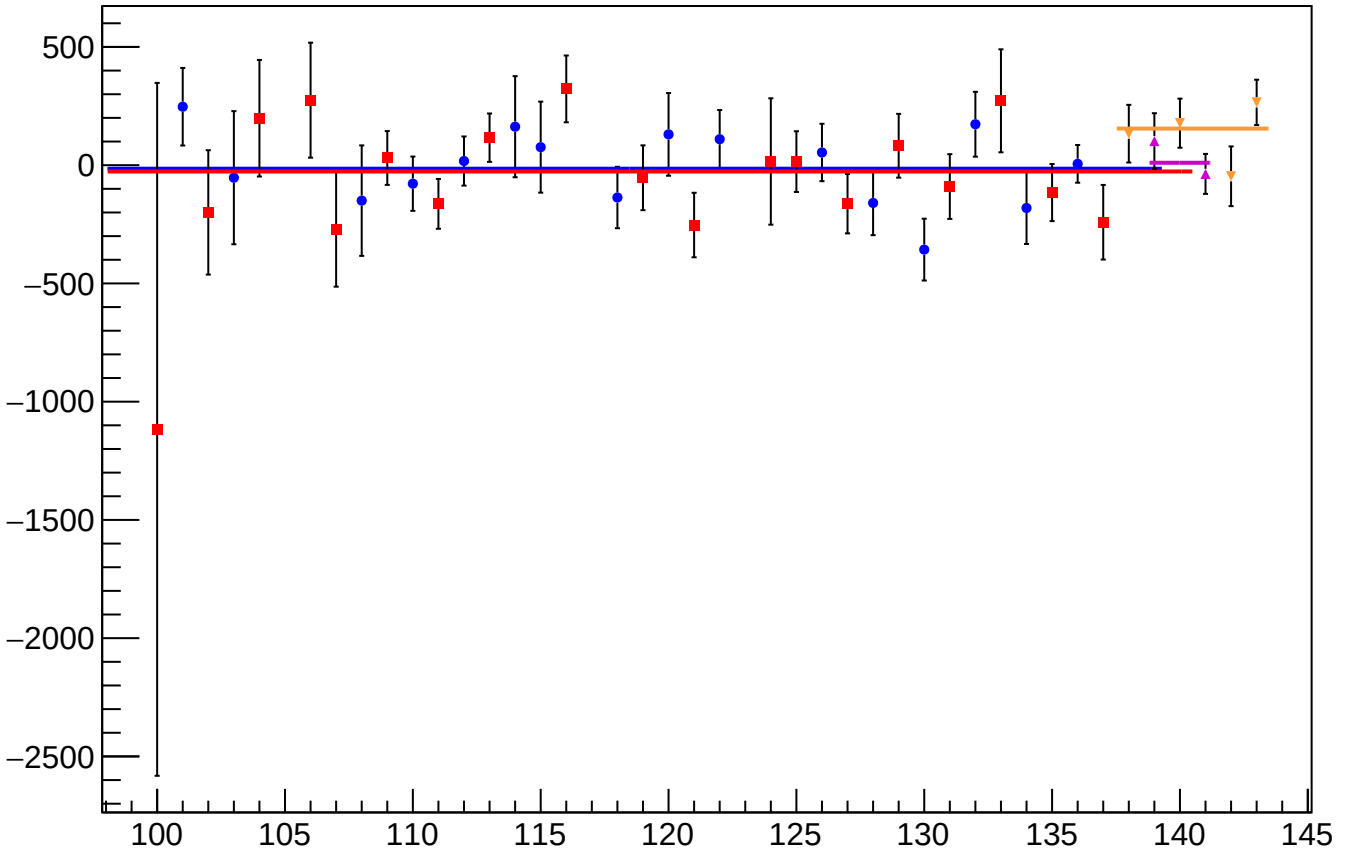
Left: 634.357+/-0.213 χ^2/NDF: 223340.9/5

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 853.302+/-0.210 χ^2/NDF:1304332.6/17

Out: 791.859+/-0.182 χ^2/NDF:1656817.8/22

All: 818.205+/-0.138 χ^2/NDF: 3009879.1/40



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 154.821+/-54.941 χ^2/NDF:4.0/3

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 10.235+/-68.697 χ^2/NDF:0.9/1

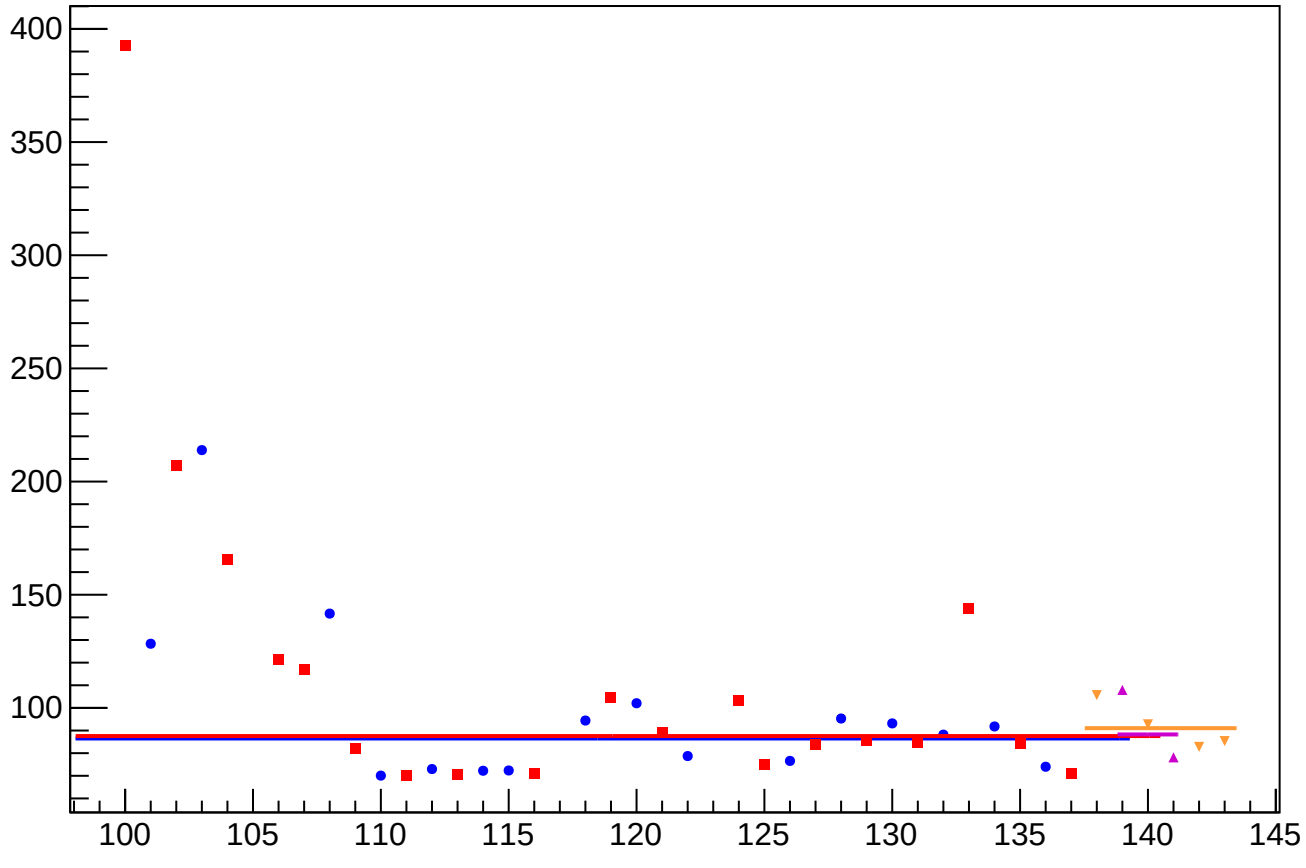
Left: 98.419+/-42.907 χ^2/NDF: 7.6/5

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -10.054+/-30.300 χ^2/NDF:19.3/17

Out: 23.754+/-28.956 χ^2/NDF:35.4/22

All: 7.616+/-20.934 χ^2/NDF: 55.4/40


eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
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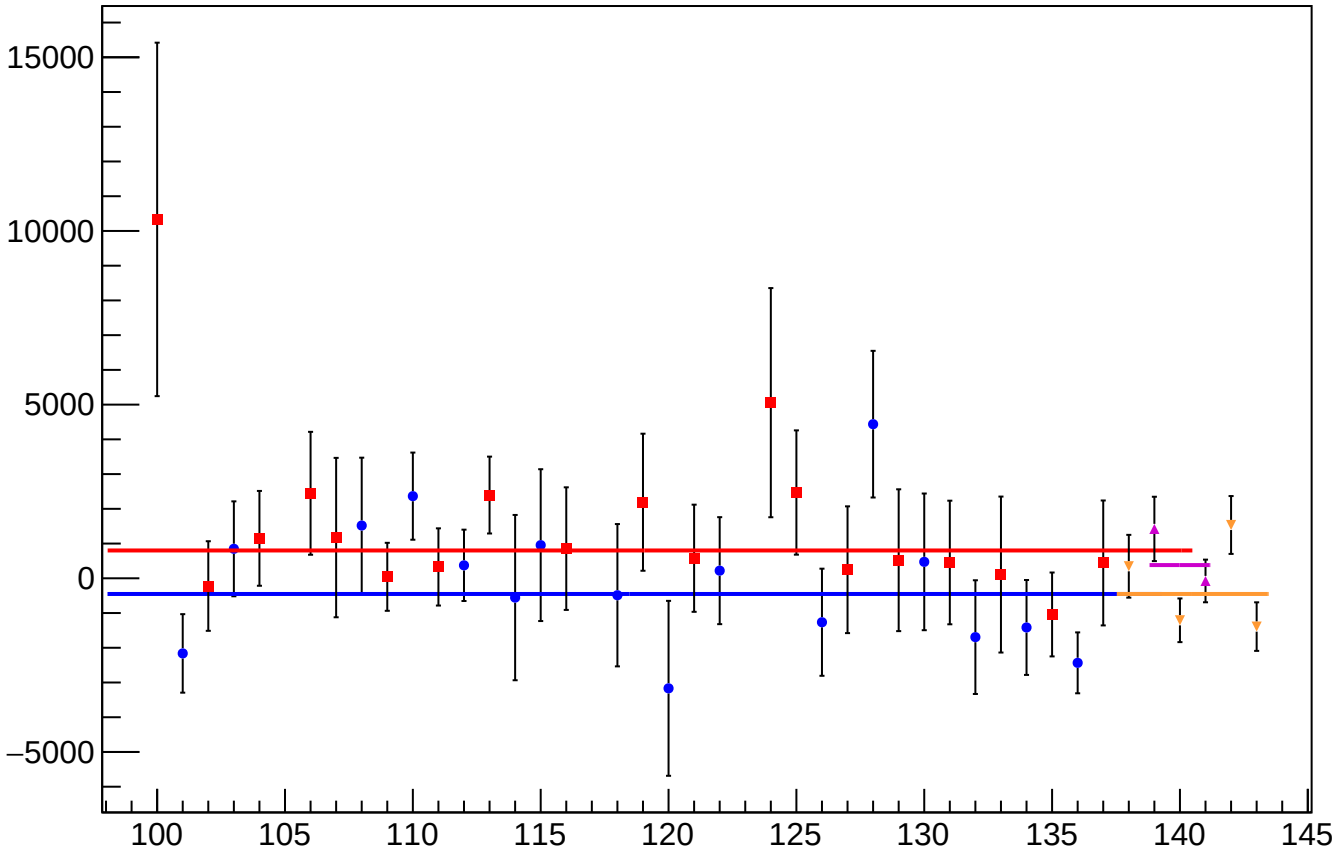
110
115
120
125
130
135
140
145
Right In: 86.489+/-0.024 χ²/NDF: 856249.6/15
Left Out: 91.047+/-0.039 χ²/NDF:44871.5/3
Right Out: 87.555+/-0.024 χ²/NDF: 1129791.7/18
Left In: 88.269+/-0.049 χ²/NDF:84354.7/1
Left: 89.964+/-0.030 χ²/NDF: 131221.1/5
Right: 87.017+/-0.017 χ²/NDF: 1987028.5/34
In: 86.836+/-0.021 χ²/NDF:941685.6/17
Out: 88.525+/-0.020 χ²/NDF:1180499.7/22
All: 87.719+/-0.015 χ²/NDF: 2125435.5/40



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -451.193+/-371.570 χ^2/NDF:9.7/3

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 380.720+/-511.852 χ^2/NDF:1.8/1

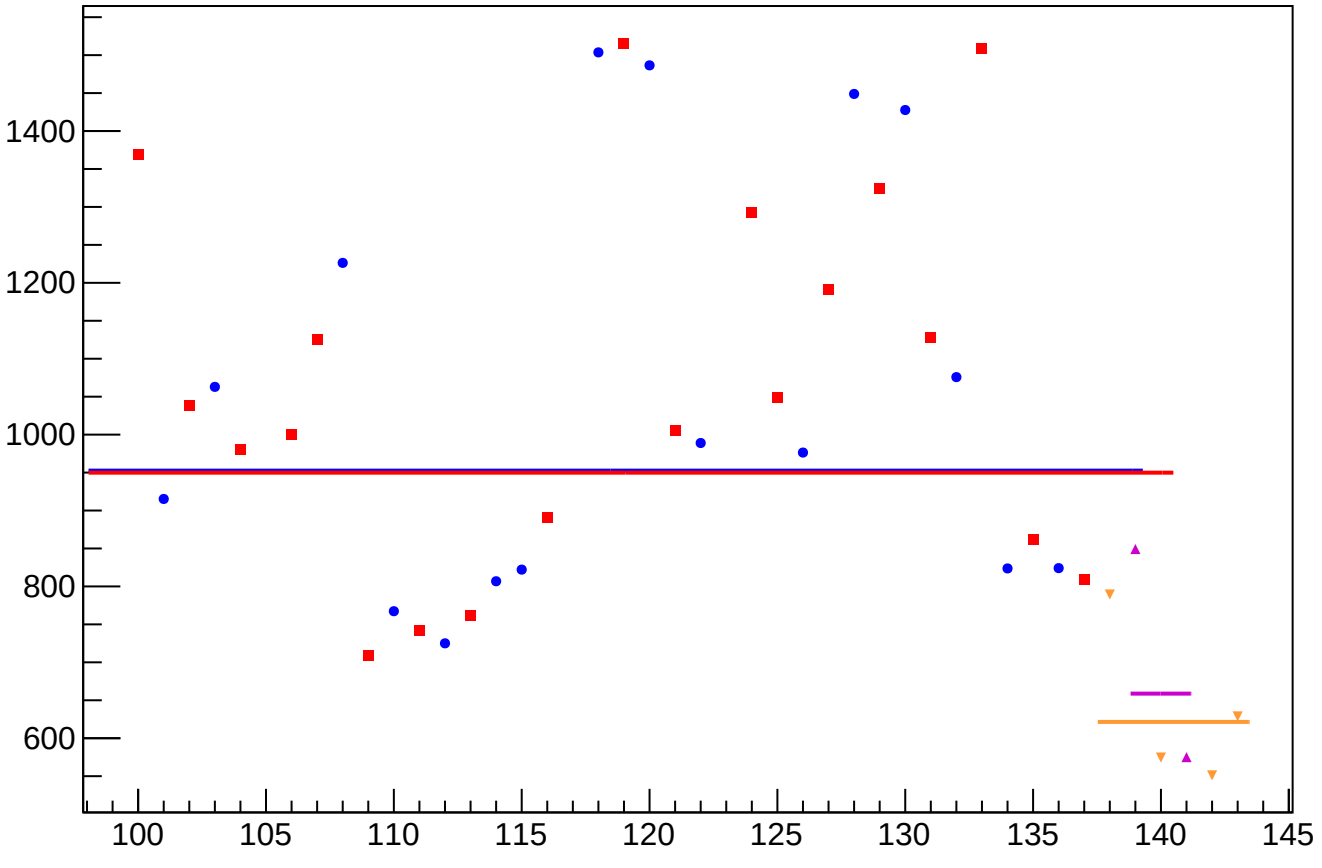
Left: -164.090+/-300.694 χ^2/NDF: 13.3/5

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -170.268+/-297.506 χ^2/NDF:27.3/17

Out: 198.529+/-257.758 χ^2/NDF:29.2/22

All: 40.396+/-194.811 χ^2/NDF: 57.4/40



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 621.491+/-0.263 χ^2/NDF:94672.1/3

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 658.771+/-0.362 χ^2/NDF:121722.2/1

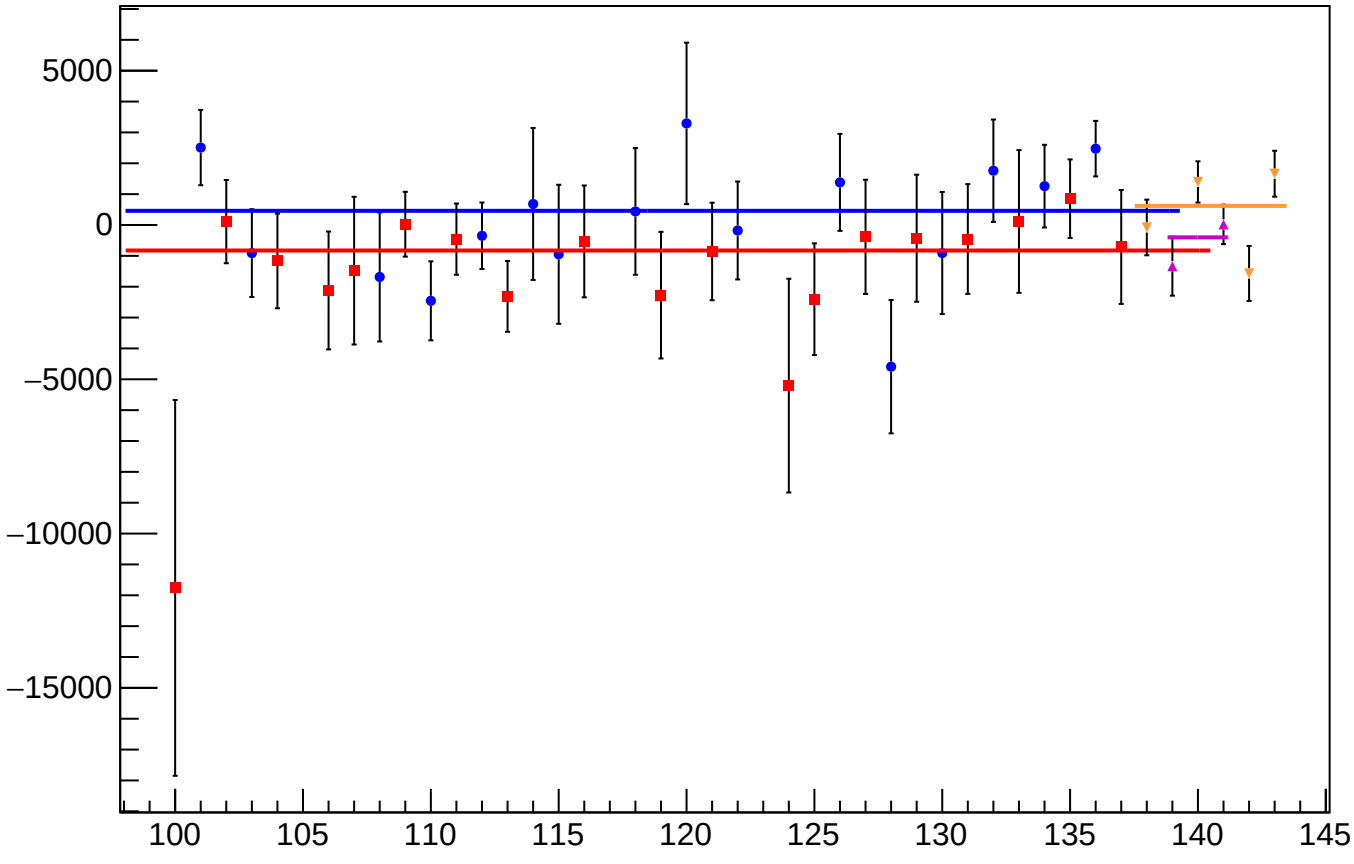
Left: 634.357+/-0.213 χ^2/NDF: 223342.4/5

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 853.301+/-0.210 χ^2/NDF:1304332.8/17

Out: 791.858+/-0.182 χ^2/NDF:1656814.5/22

All: 818.204+/-0.138 χ^2/NDF: 3009876.0/40



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 618.520+/-391.256 χ^2/NDF:10.0/3

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: 260.364+/-315.084 χ^2/NDF: 13.7/5

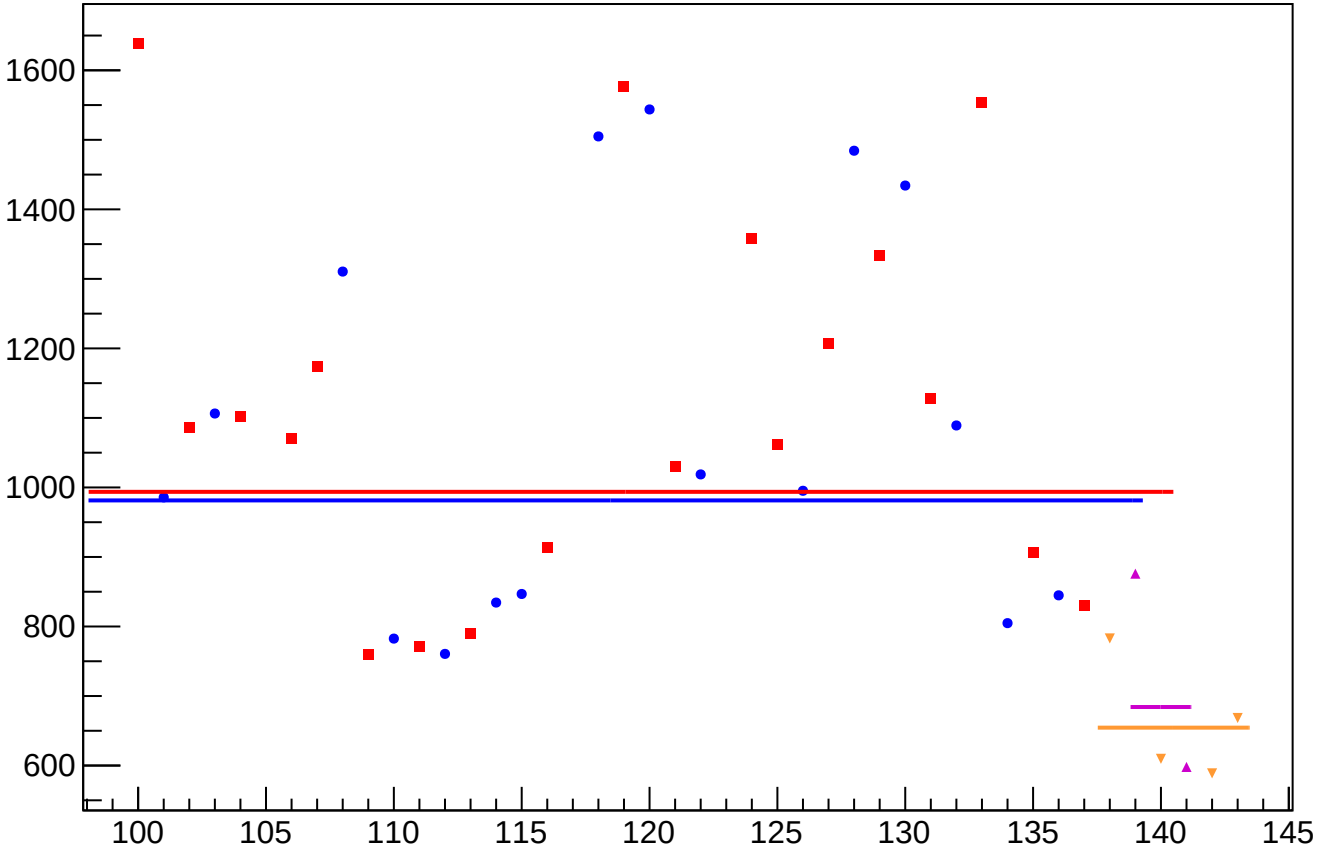
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 171.508+/-307.425 χ^2/NDF:27.7/17

Out: -136.103+/-270.444 χ^2/NDF:28.7/22

All: -1.903+/-203.056 χ^2/NDF: 57.0/40

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 654.502+/-0.277 χ^2/NDF:61122.1/3

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 684.186+/-0.376 χ^2/NDF:117040.7/1

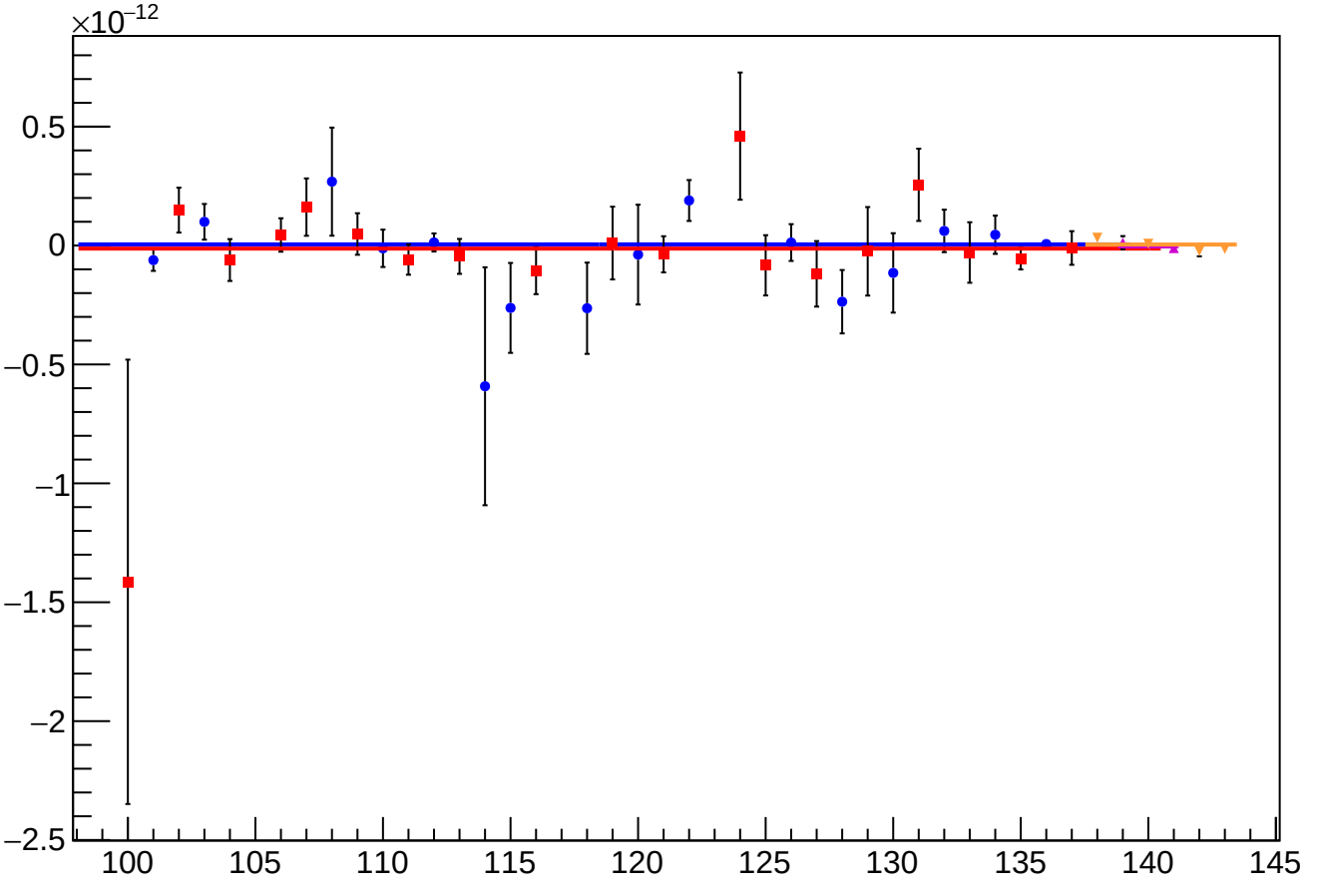
Left: 664.935+/-0.223 χ^2/NDF: 182209.0/5

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 881.921+/-0.217 χ^2/NDF:1270715.7/17

Out: 831.627+/-0.191 χ^2/NDF:1565835.3/22

All: 853.569+/-0.144 χ^2/NDF: 2866726.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/1

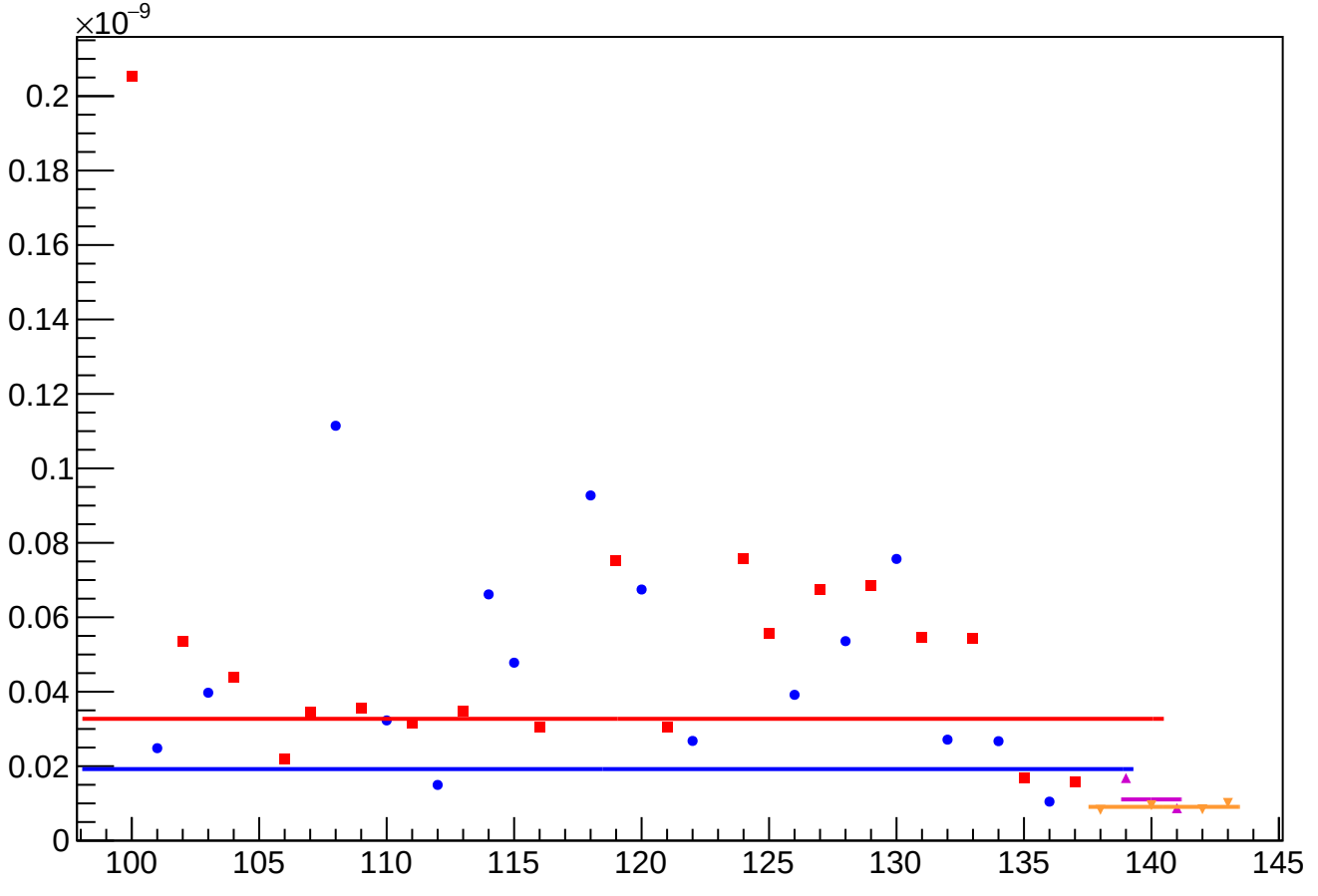
Left: 0.000+/-0.000 χ^2/NDF: 5.7/5

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:24.0/22

All: 0.000+/-0.000 χ^2/NDF: 44.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12747.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:122096.5/1

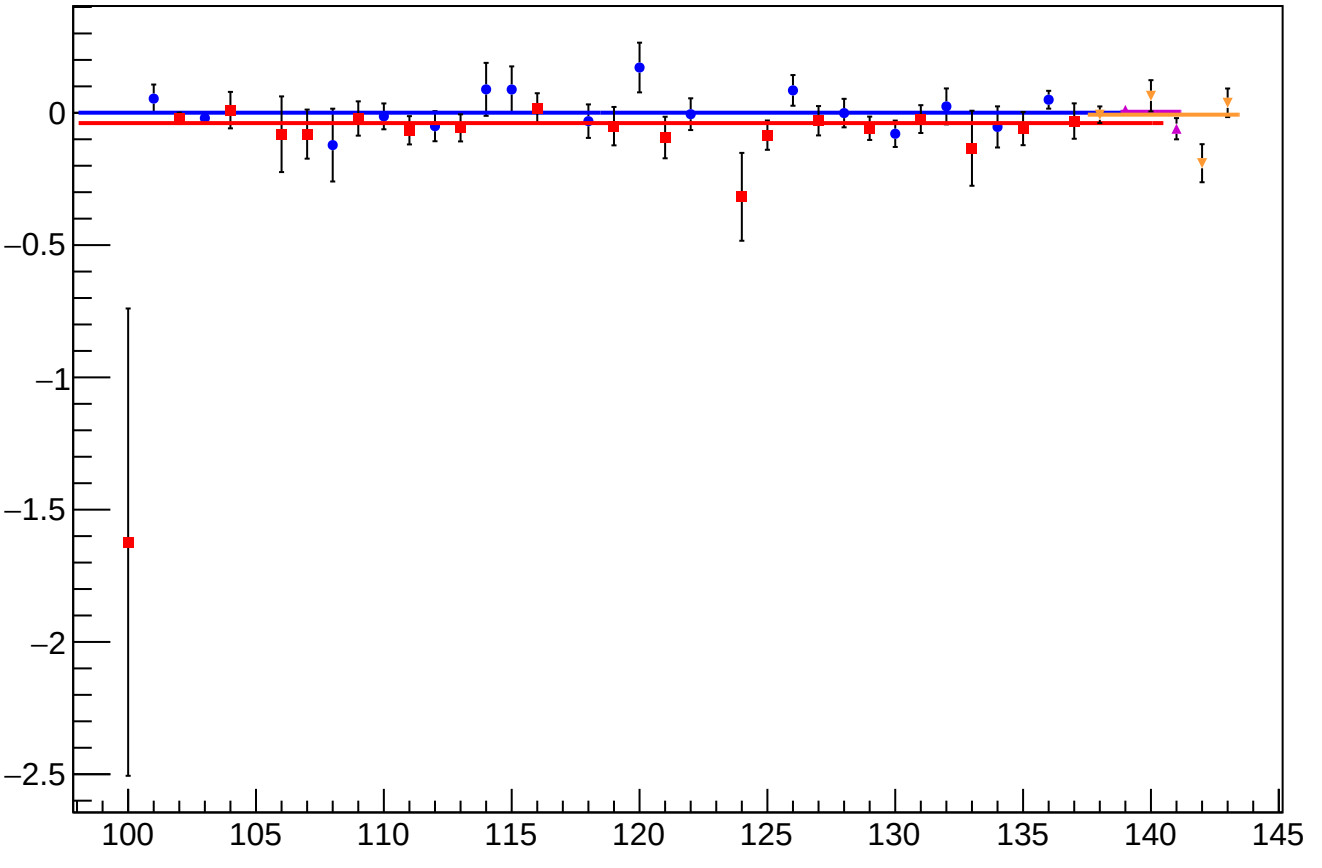
Left: 0.000+/-0.000 χ^2/NDF: 160108.7/5

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:3329821.6/22

All: 0.000+/-0.000 χ^2/NDF: 5780966.1/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.013 χ^2/NDF:2.8/1

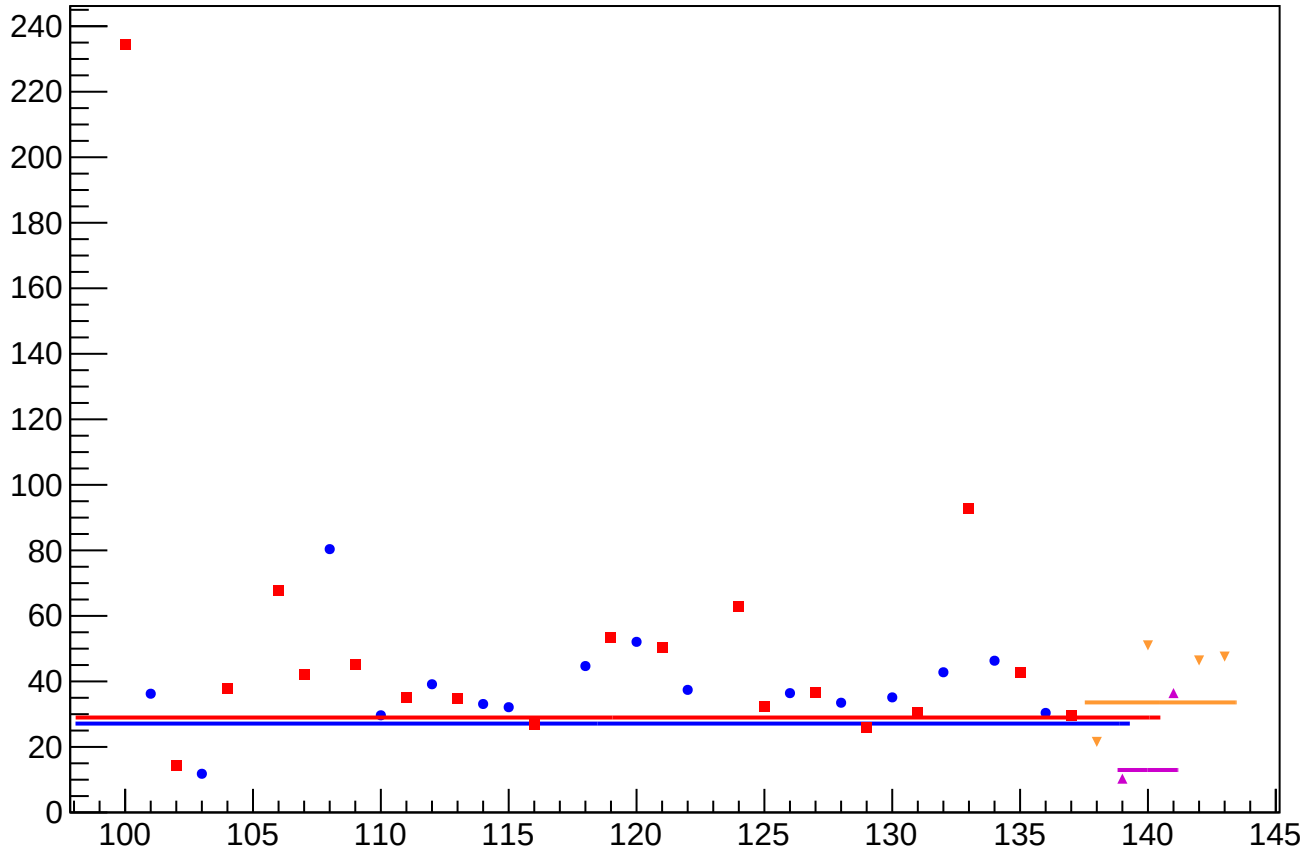
Left: 0.001+/-0.011 χ^2/NDF: 11.7/5

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.2/40



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 33.587+/-0.017 χ^2/NDF:665300.9/3

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 12.961+/-0.009 χ^2/NDF:763978.4/1

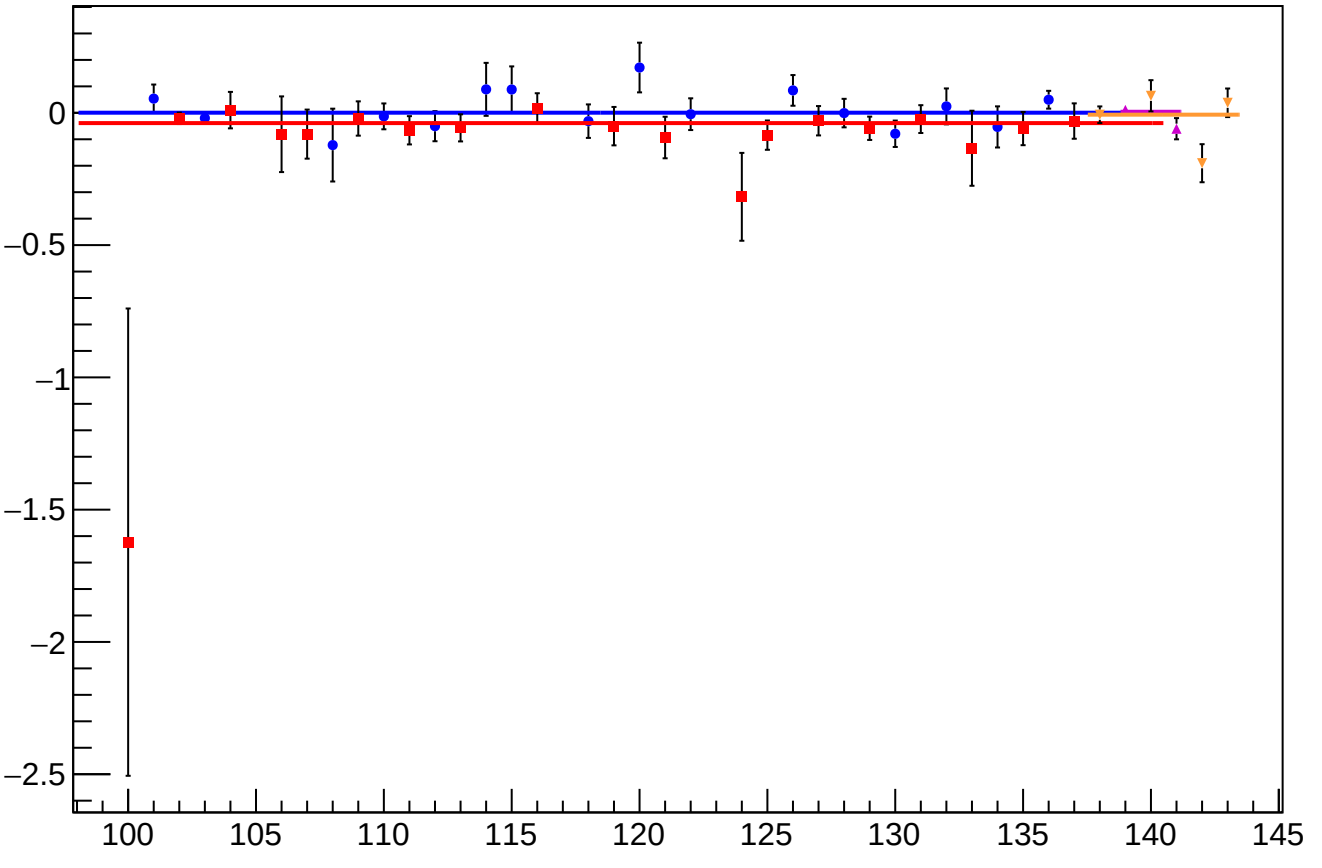
Left: 17.693+/-0.008 χ^2/NDF: 2633276.6/5

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 20.445+/-0.006 χ^2/NDF:4487081.7/17

Out: 30.024+/-0.008 χ^2/NDF:3181869.2/22

All: 24.109+/-0.005 χ^2/NDF: 8586636.5/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

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: 0.001+/-0.011 χ^2/NDF: 11.7/5

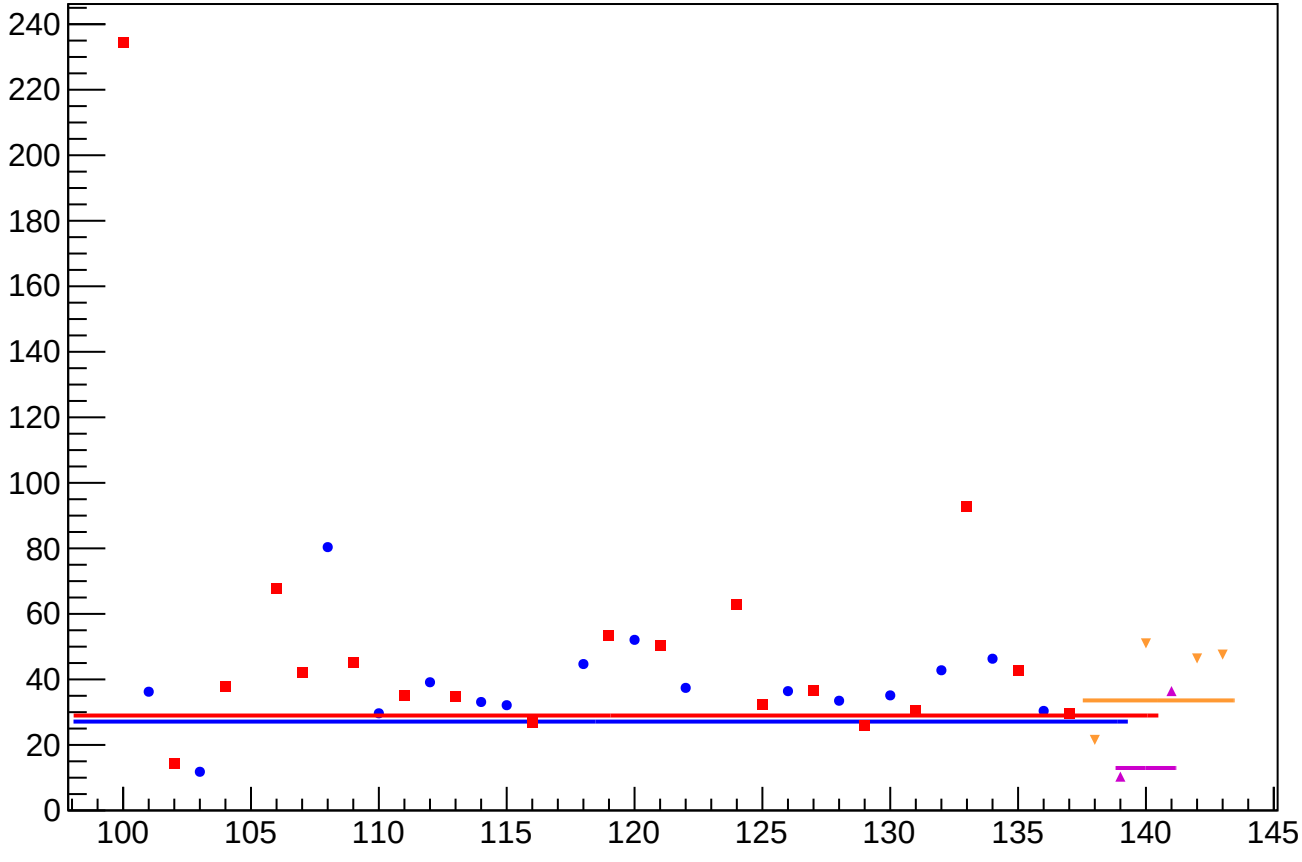
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.2/40

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: 33.587+/-0.017 χ^2/NDF:665300.9/3

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 12.961+/-0.009 χ^2/NDF:763978.4/1

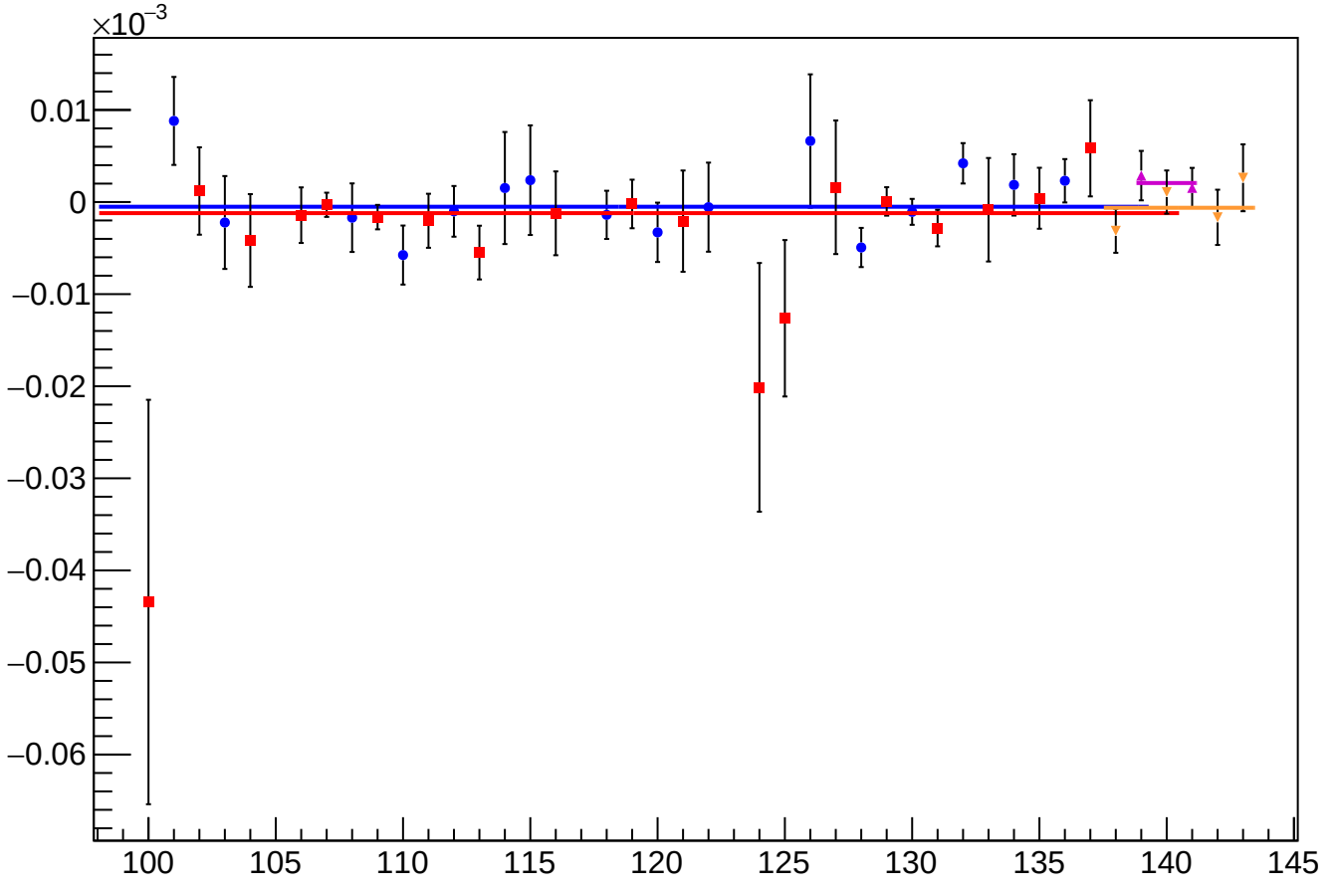
Left: 17.693+/-0.008 χ^2/NDF: 2633276.6/5

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 20.445+/-0.006 χ^2/NDF:4487081.7/17

Out: 30.024+/-0.008 χ^2/NDF:3181869.2/22

All: 24.109+/-0.005 χ^2/NDF: 8586636.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

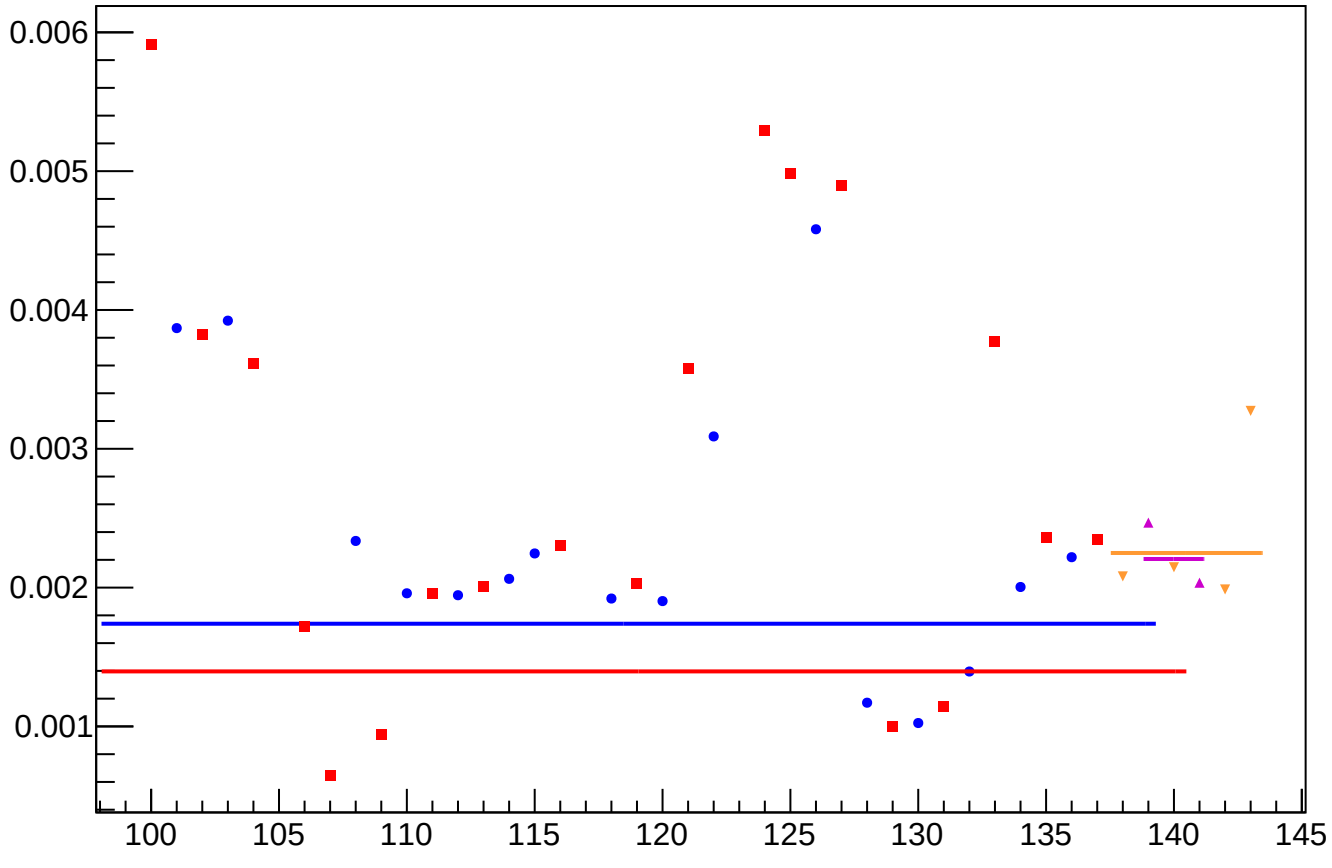
Left: 0.000+/-0.000 χ^2/NDF: 4.2/5

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:17.3/22

All: -0.000+/-0.000 χ^2/NDF: 40.7/40



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:188078.8/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:31460.8/1

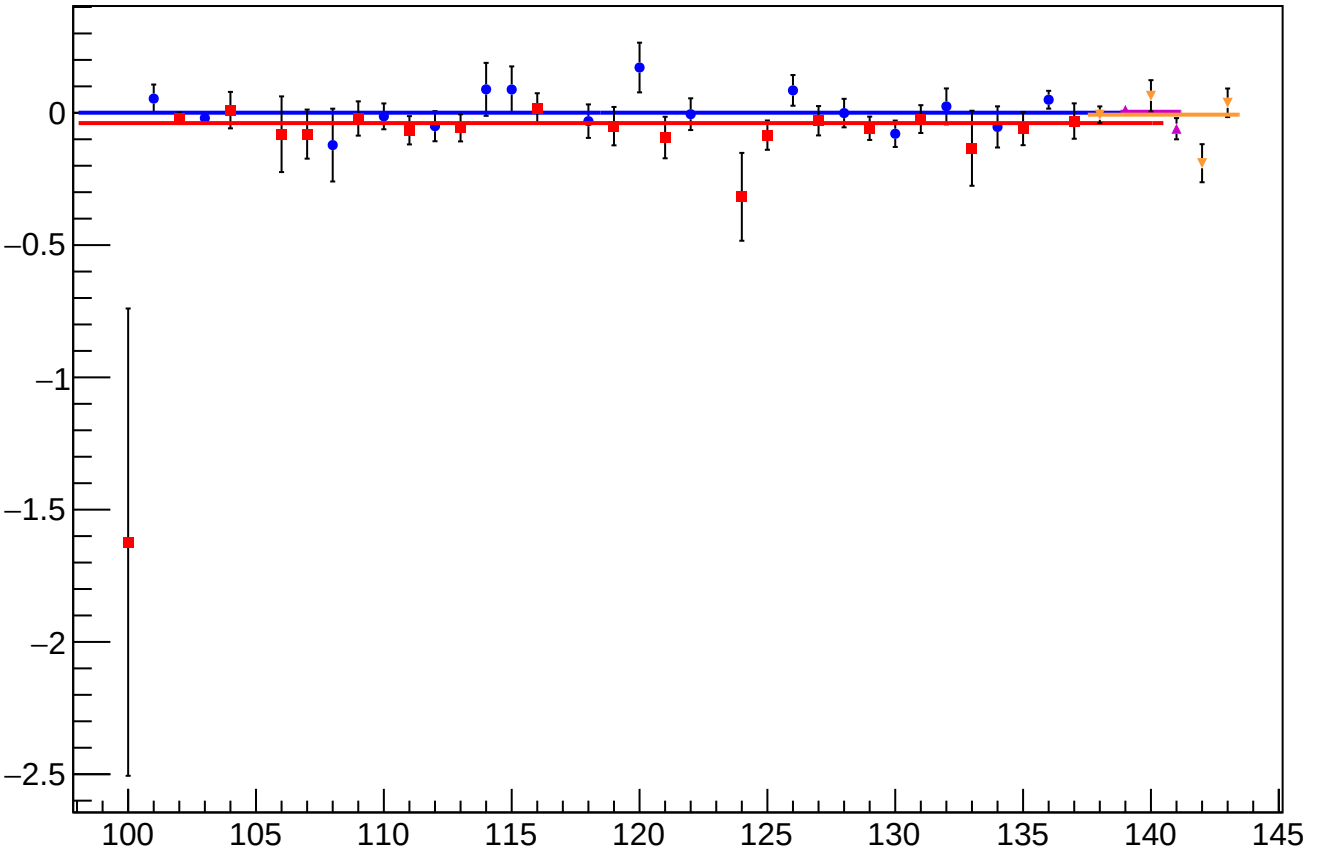
Left: 0.002+/-0.000 χ^2/NDF: 220341.1/5

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2307776.7/17

Out: 0.002+/-0.000 χ^2/NDF:5169917.8/22

All: 0.002+/-0.000 χ^2/NDF: 7673496.8/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

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: 0.001+/-0.011 χ^2/NDF: 11.7/5

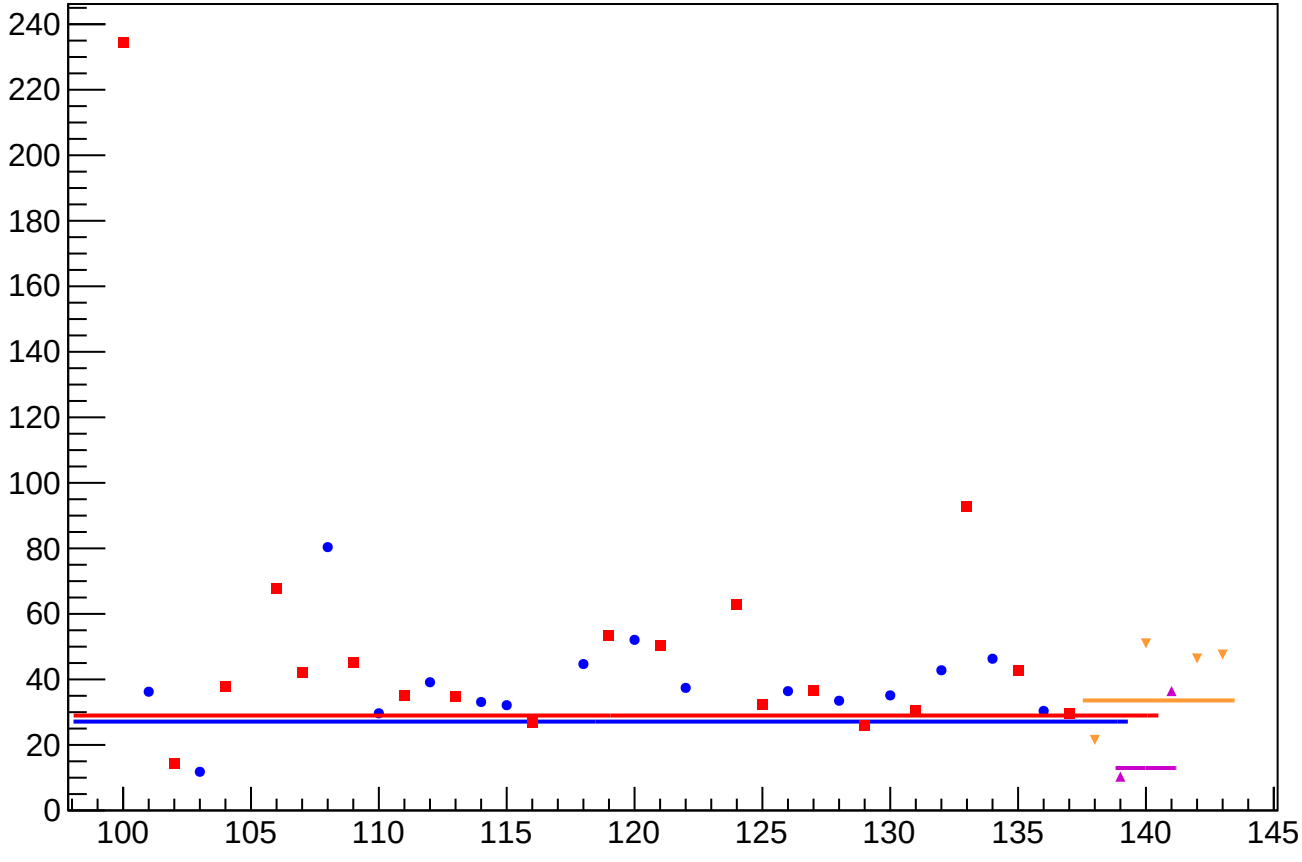
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.2/40

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: 33.584+/-0.017 χ^2/NDF:665568.6/3

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 12.960+/-0.009 χ^2/NDF:764071.4/1

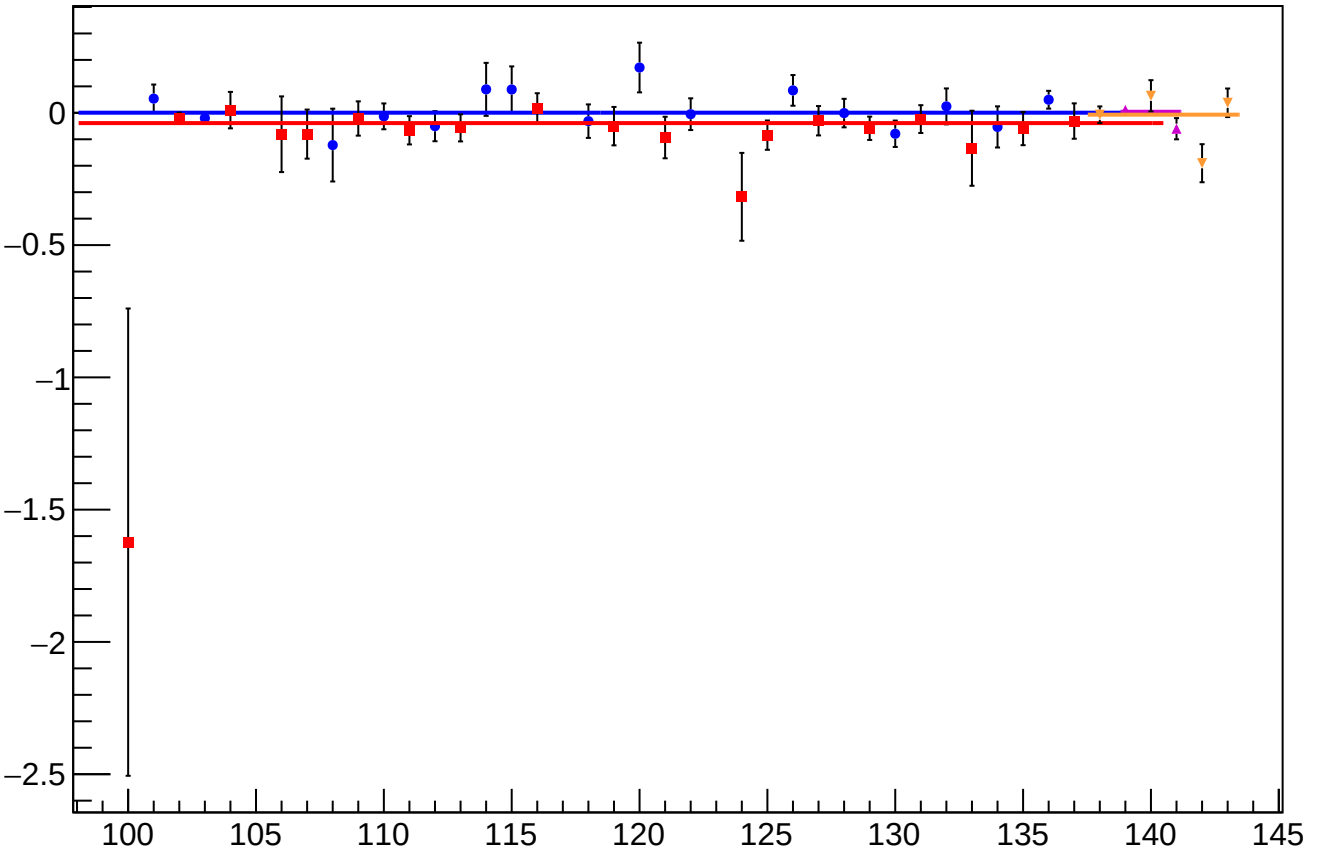
Left: 17.691+/-0.008 χ^2/NDF: 2633587.5/5

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 20.443+/-0.006 χ^2/NDF:4487778.5/17

Out: 30.025+/-0.008 χ^2/NDF:3181391.9/22

All: 24.108+/-0.005 χ^2/NDF: 8587467.7/40



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.007+/-0.023 χ^2/NDF:8.6/3

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: 0.001+/-0.011 χ^2/NDF: 11.7/5

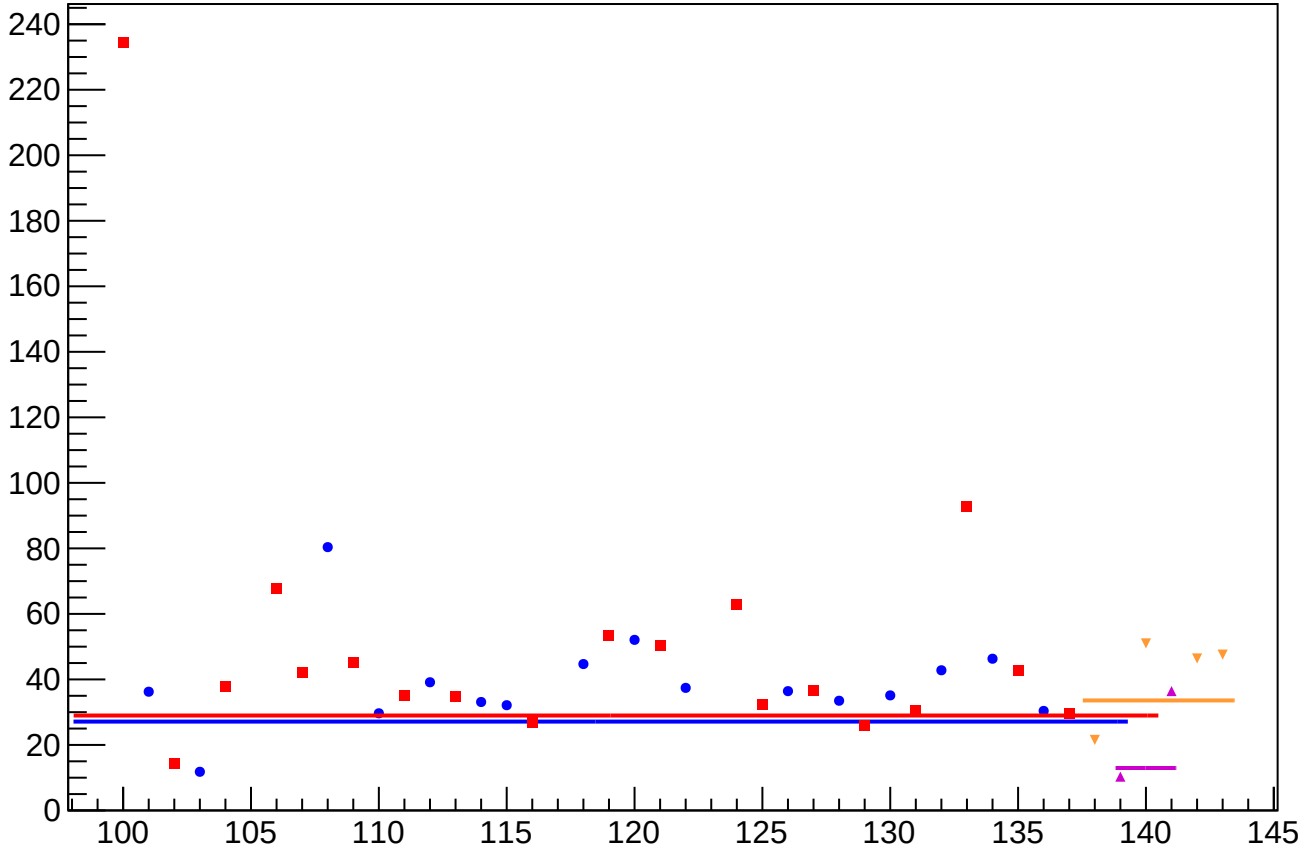
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.009 χ^2/NDF:19.4/17

Out: -0.032+/-0.011 χ^2/NDF:21.2/22

All: -0.011+/-0.007 χ^2/NDF: 46.2/40

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: 33.584+/-0.017 χ^2/NDF:665568.6/3

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 12.960+/-0.009 χ^2/NDF:764071.4/1

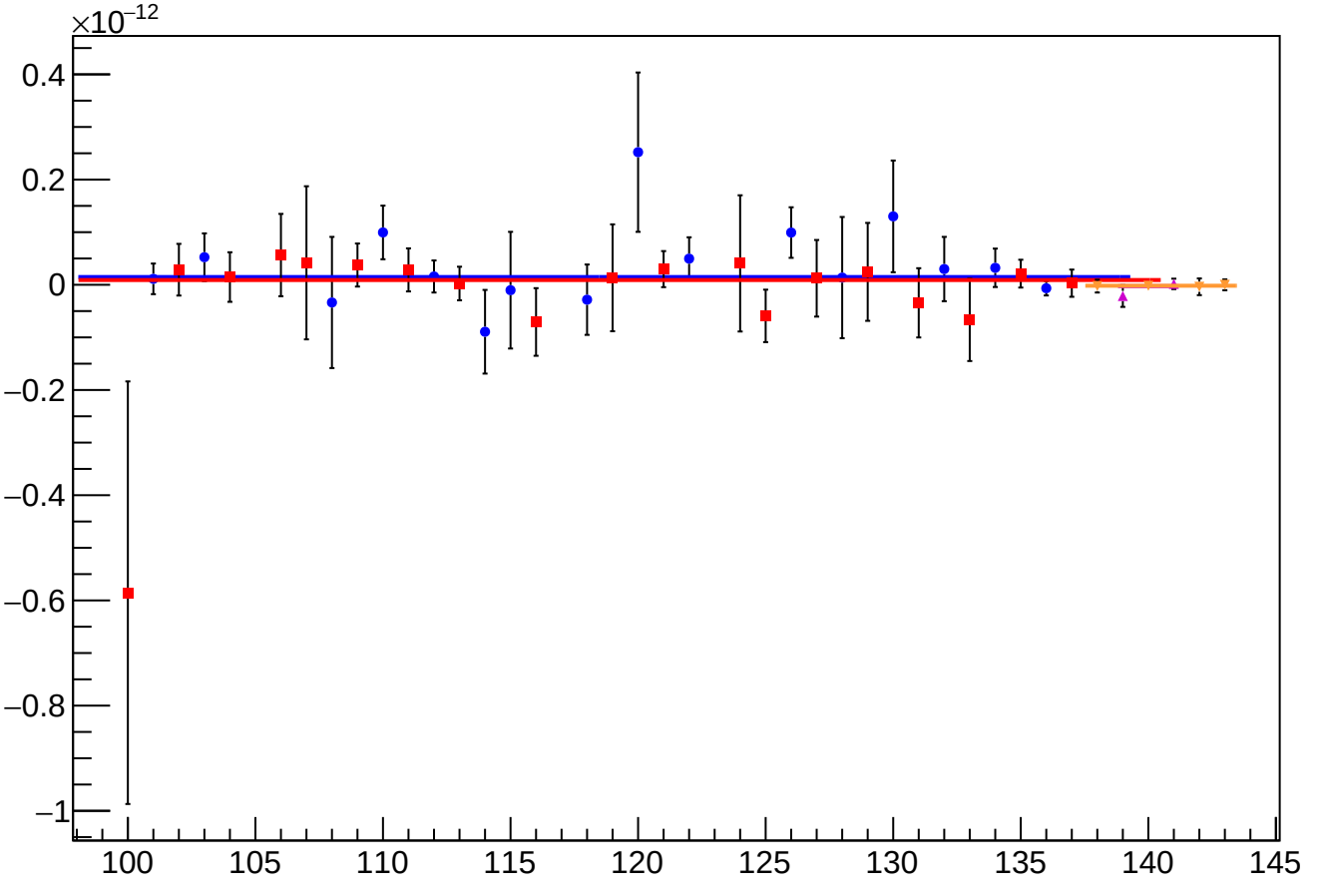
Left: 17.691+/-0.008 χ^2/NDF: 2633587.5/5

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 20.443+/-0.006 χ^2/NDF:4487778.5/17

Out: 30.025+/-0.008 χ^2/NDF:3181391.9/22

All: 24.108+/-0.005 χ^2/NDF: 8587467.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/1

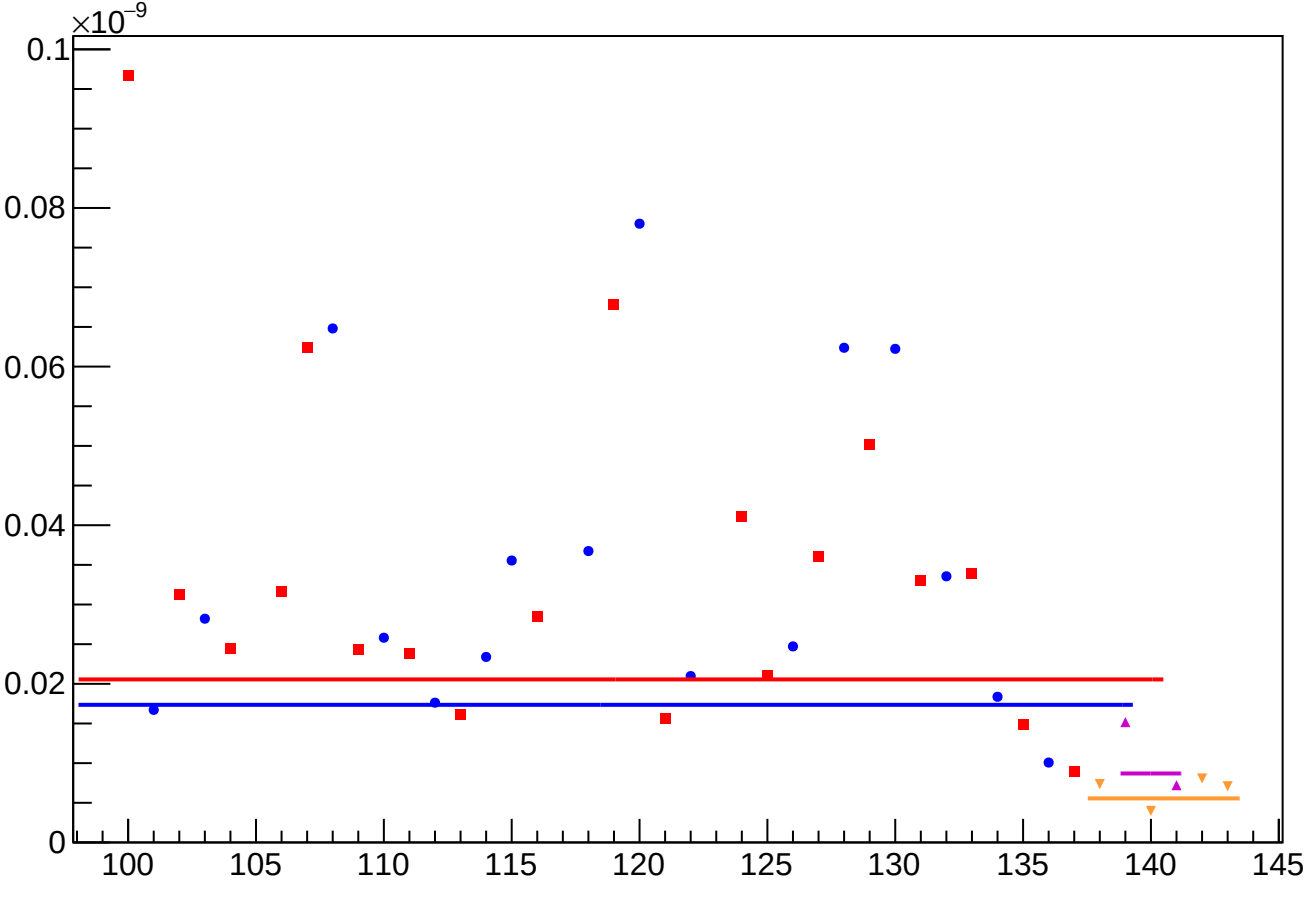
Left: -0.000+/-0.000 χ^2/NDF: 1.0/5

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:9.9/22

All: 0.000+/-0.000 χ^2/NDF: 29.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:254305.0/3

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: 683212.9/5

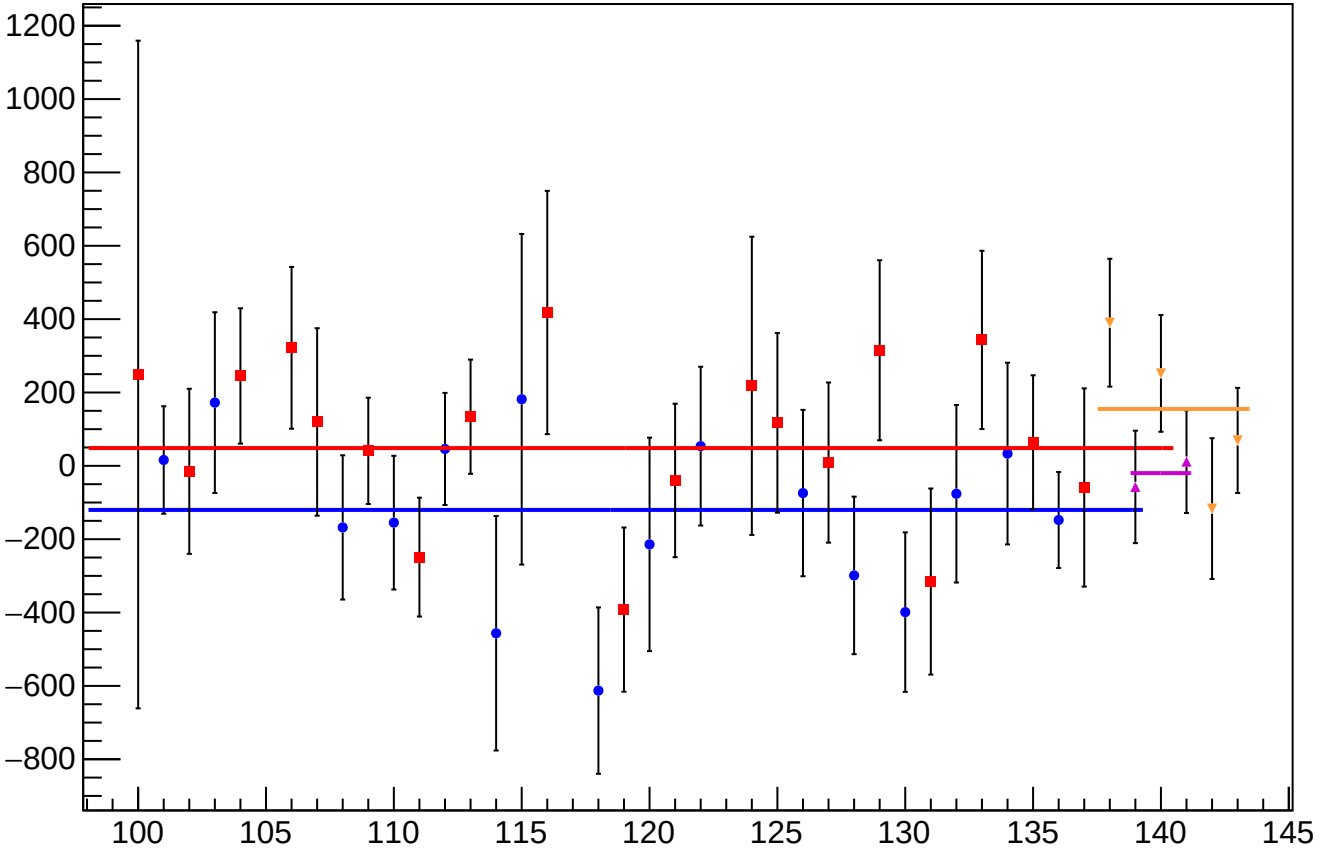
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:3563273.1/17

Out: 0.000+/-0.000 χ^2/NDF:5389809.7/22

All: 0.000+/-0.000 χ^2/NDF: 9694918.4/40

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.204+/-82.140 χ^2/NDF:4.6/3

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: -19.801+/-103.383 χ^2/NDF:0.1/1

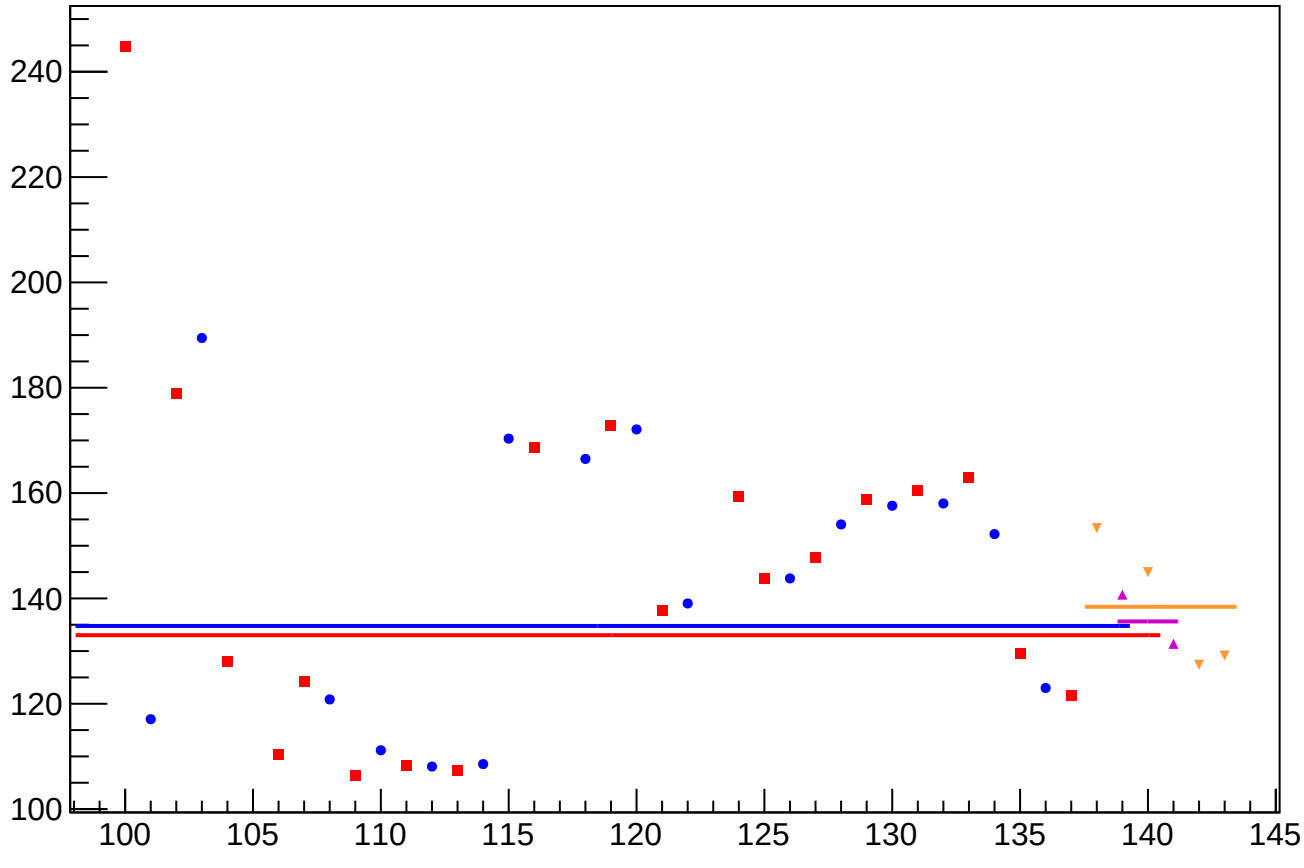
Left: 87.480+/-64.312 χ^2/NDF: 6.4/5

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -100.452+/-45.812 χ^2/NDF:14.3/17

Out: 77.235+/-42.653 χ^2/NDF:22.8/22

All: -5.273+/-31.217 χ^2/NDF: 45.1/40



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 135.628+/-0.073 χ^2/NDF:4053.0/1

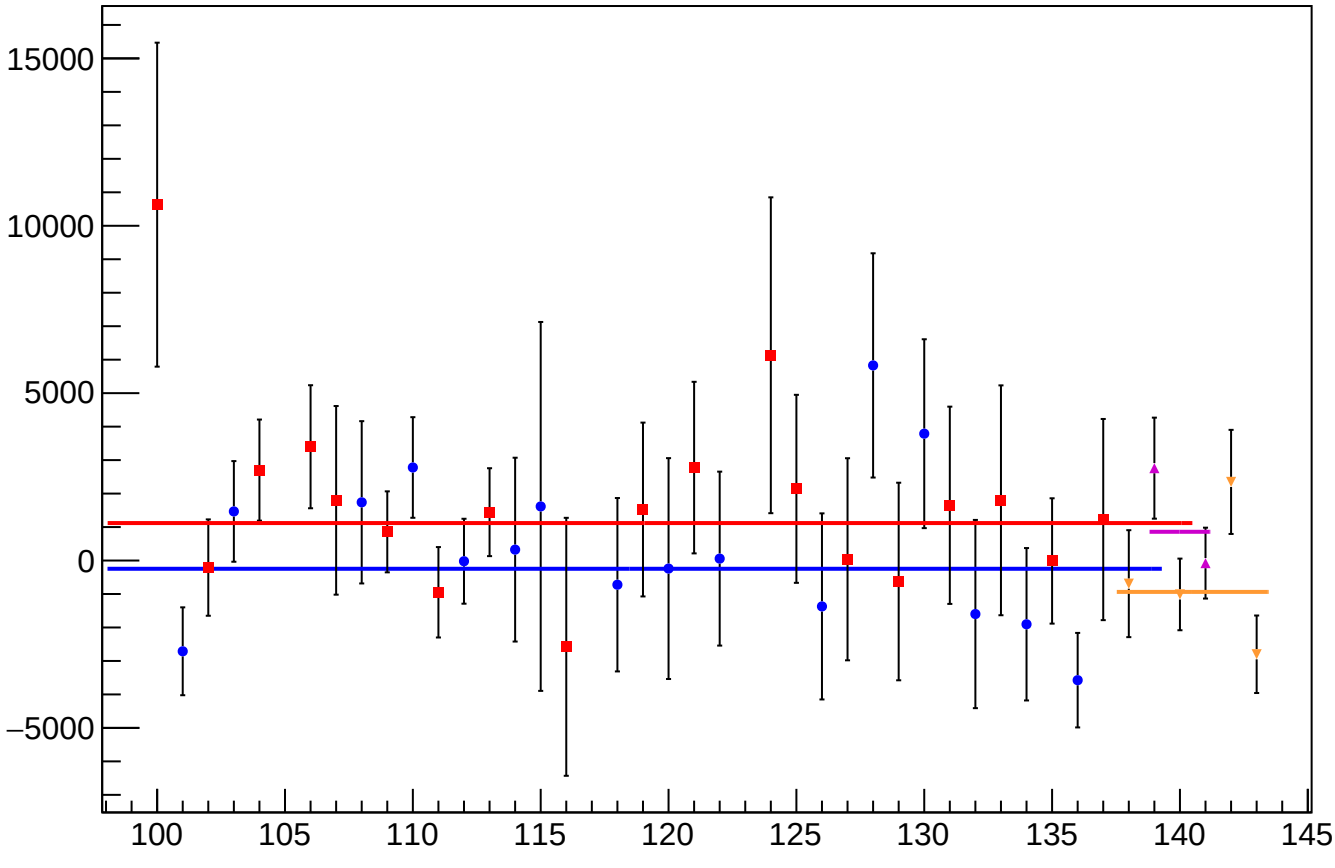
Left: 137.335+/-0.045 χ^2/NDF: 37983.5/5

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.940+/-0.032 χ^2/NDF:420942.3/17

Out: 134.474+/-0.030 χ^2/NDF:535055.5/22

All: 134.690+/-0.022 χ^2/NDF: 956108.6/40



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -937.169+/-642.155 χ^2/NDF:7.1/3

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 858.638+/-866.658 χ^2/NDF:2.4/1

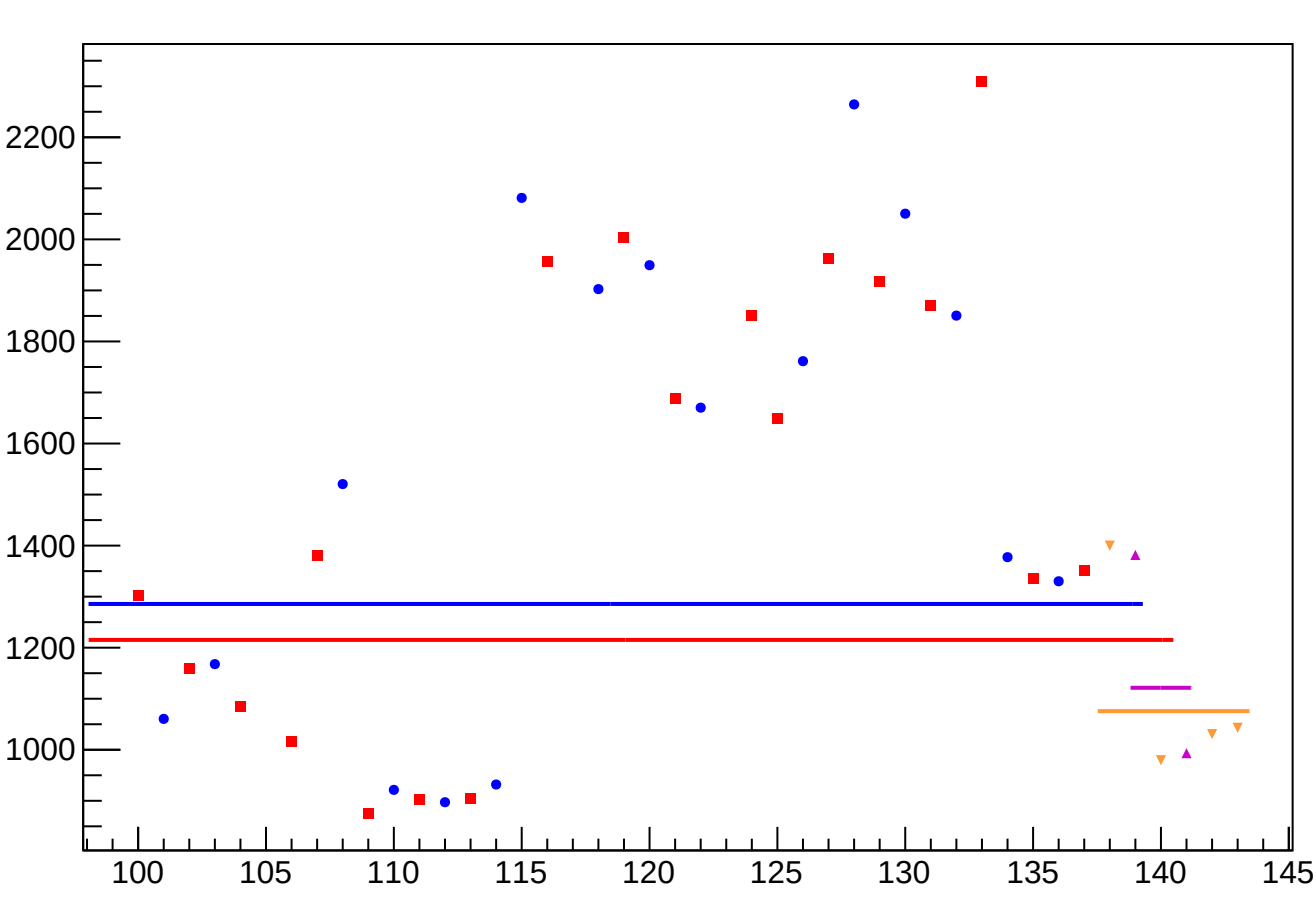
Left: -300.684+/-515.955 χ^2/NDF: 12.2/5

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 30.759+/-434.009 χ^2/NDF:25.2/17

Out: 405.208+/-378.425 χ^2/NDF:27.2/22

All: 243.482+/-285.228 χ^2/NDF: 52.8/40



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.5/3

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1121.452+/-0.613 χ^2/NDF:88815.1/1

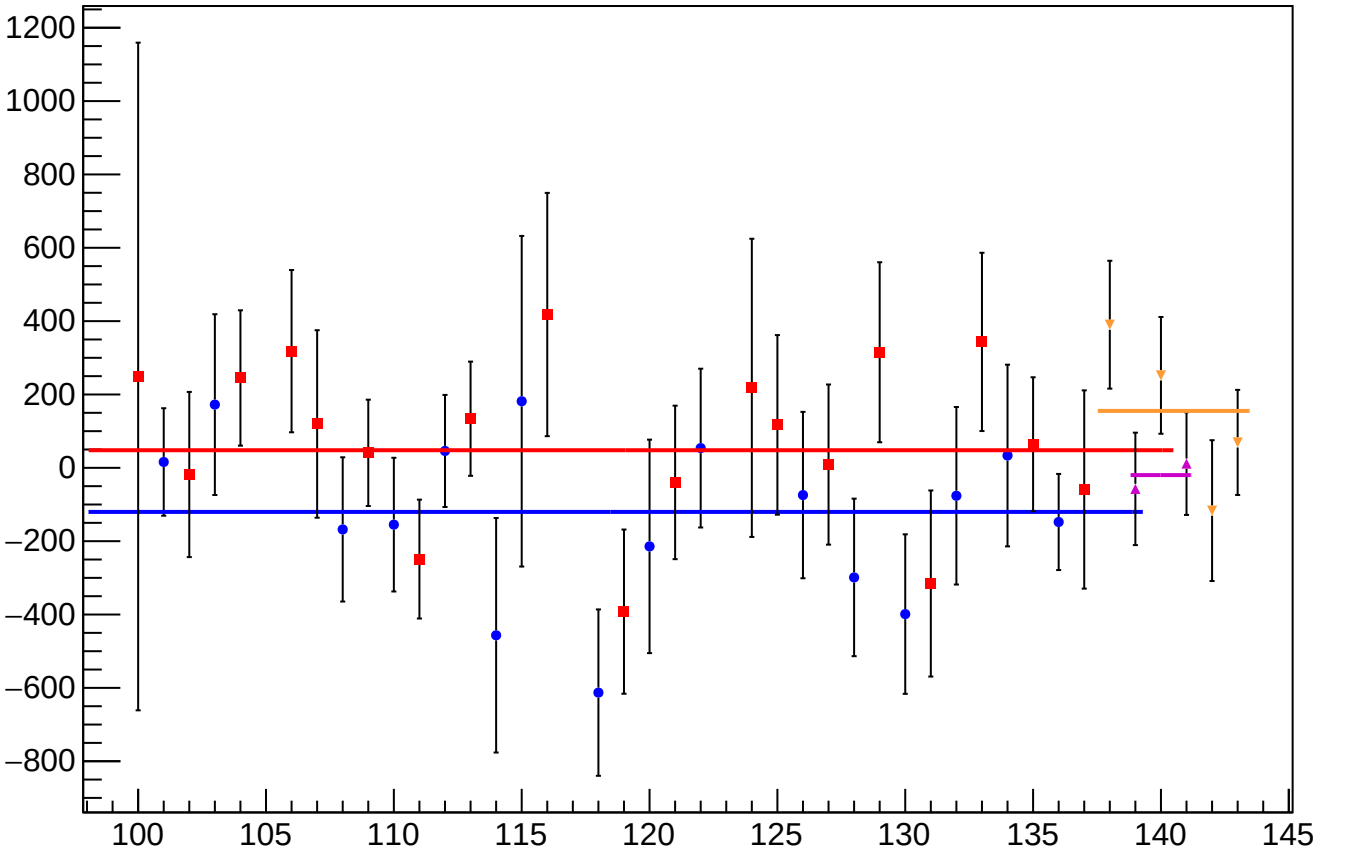
Left: 1091.923+/-0.365 χ^2/NDF: 194196.1/5

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1244.485+/-0.307 χ^2/NDF:1313051.3/17

Out: 1166.783+/-0.268 χ^2/NDF:1549703.9/22

All: 1200.342+/-0.202 χ^2/NDF: 2899173.9/40



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 155.219+/-82.140 χ^2/NDF:4.6/3

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: -19.792+/-103.383 χ^2/NDF:0.1/1

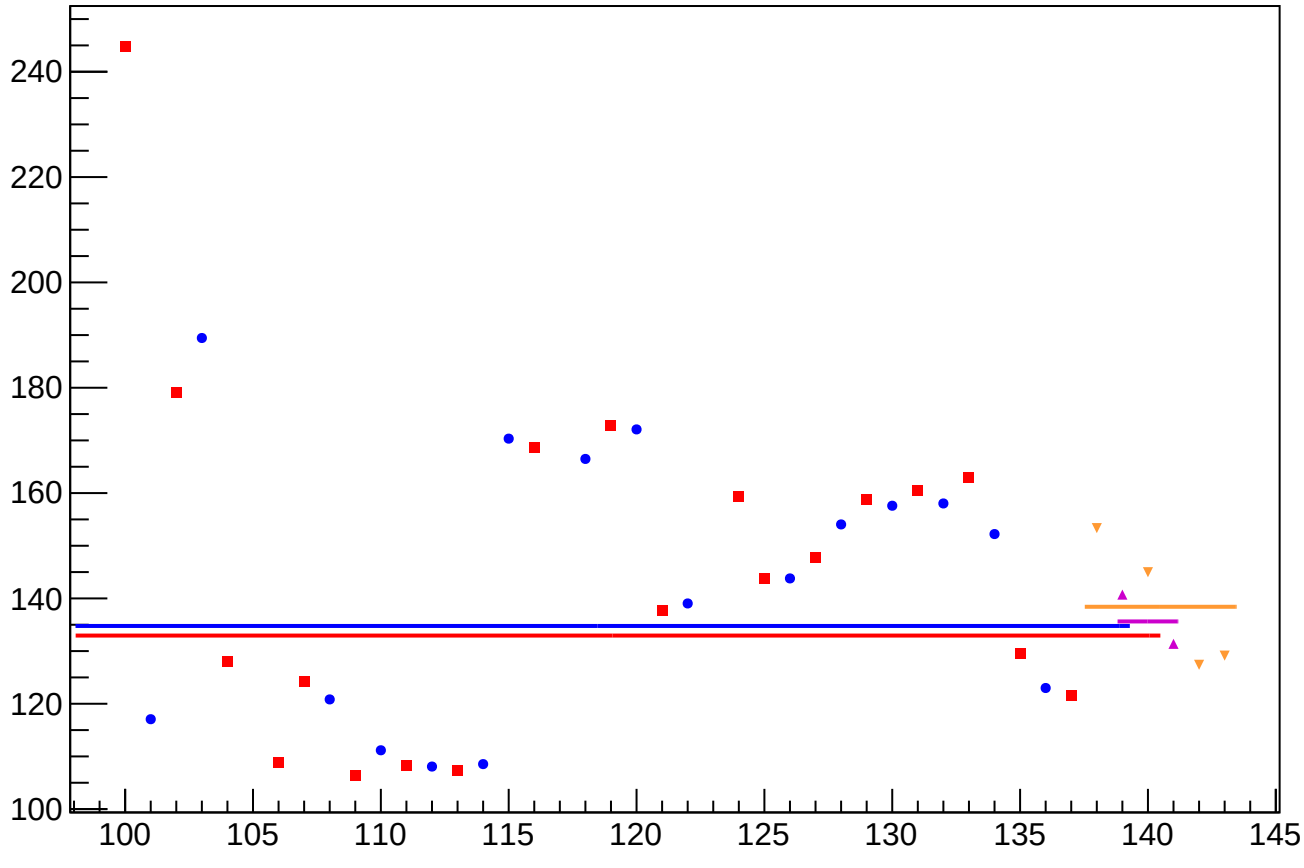
Left: 87.493+/-64.312 χ^2/NDF: 6.4/5

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -100.459+/-45.812 χ^2/NDF:14.3/17

Out: 76.928+/-42.659 χ^2/NDF:22.8/22

All: -5.452+/-31.220 χ^2/NDF: 45.1/40



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.629+/-0.073 χ^2/NDF:4053.0/1

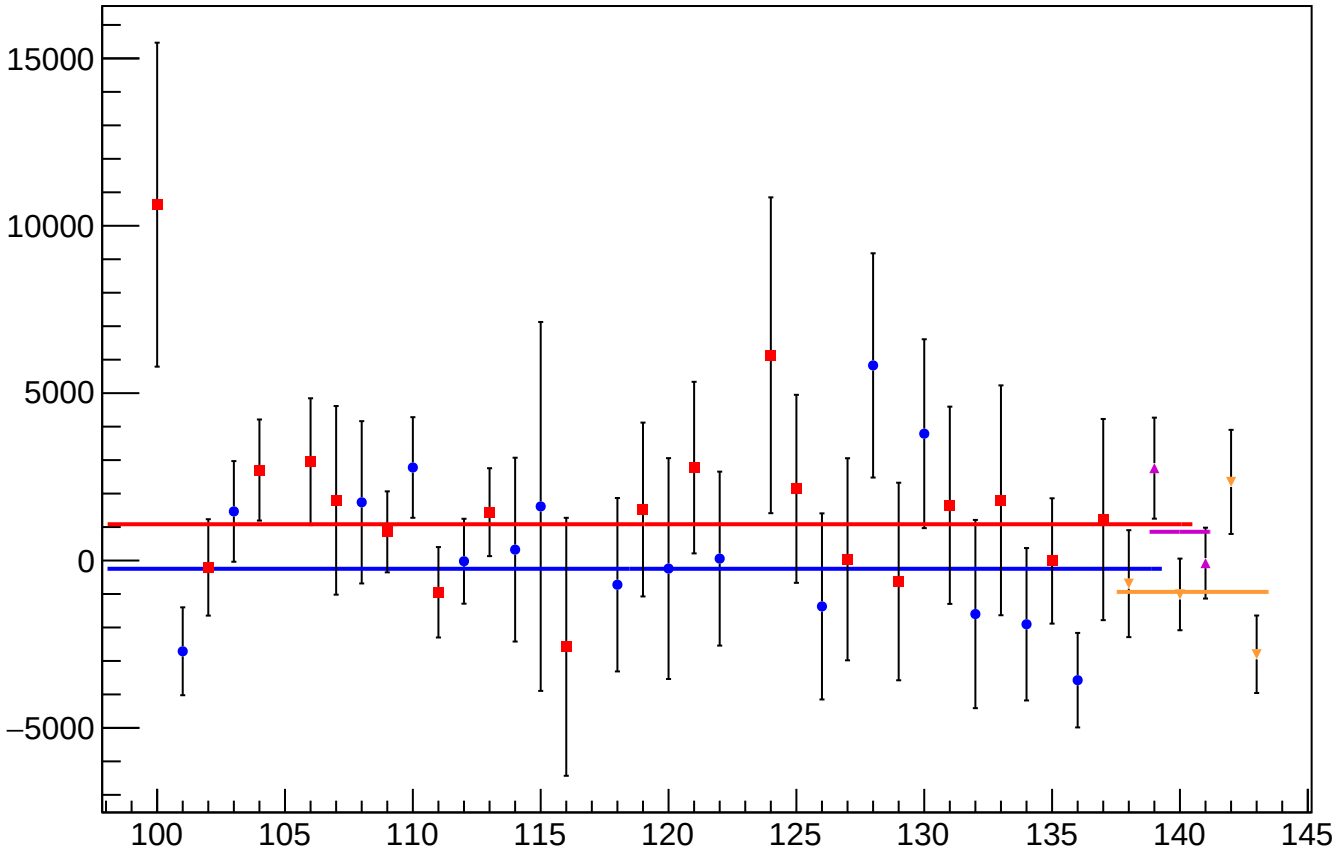
Left: 137.335+/-0.045 χ^2/NDF: 37983.5/5

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.940+/-0.032 χ^2/NDF:420945.3/17

Out: 134.421+/-0.030 χ^2/NDF:538358.5/22

All: 134.662+/-0.022 χ^2/NDF: 959441.0/40



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -937.148+/-642.155 χ^2/NDF:7.1/3

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 858.673+/-866.659 χ^2/NDF:2.4/1

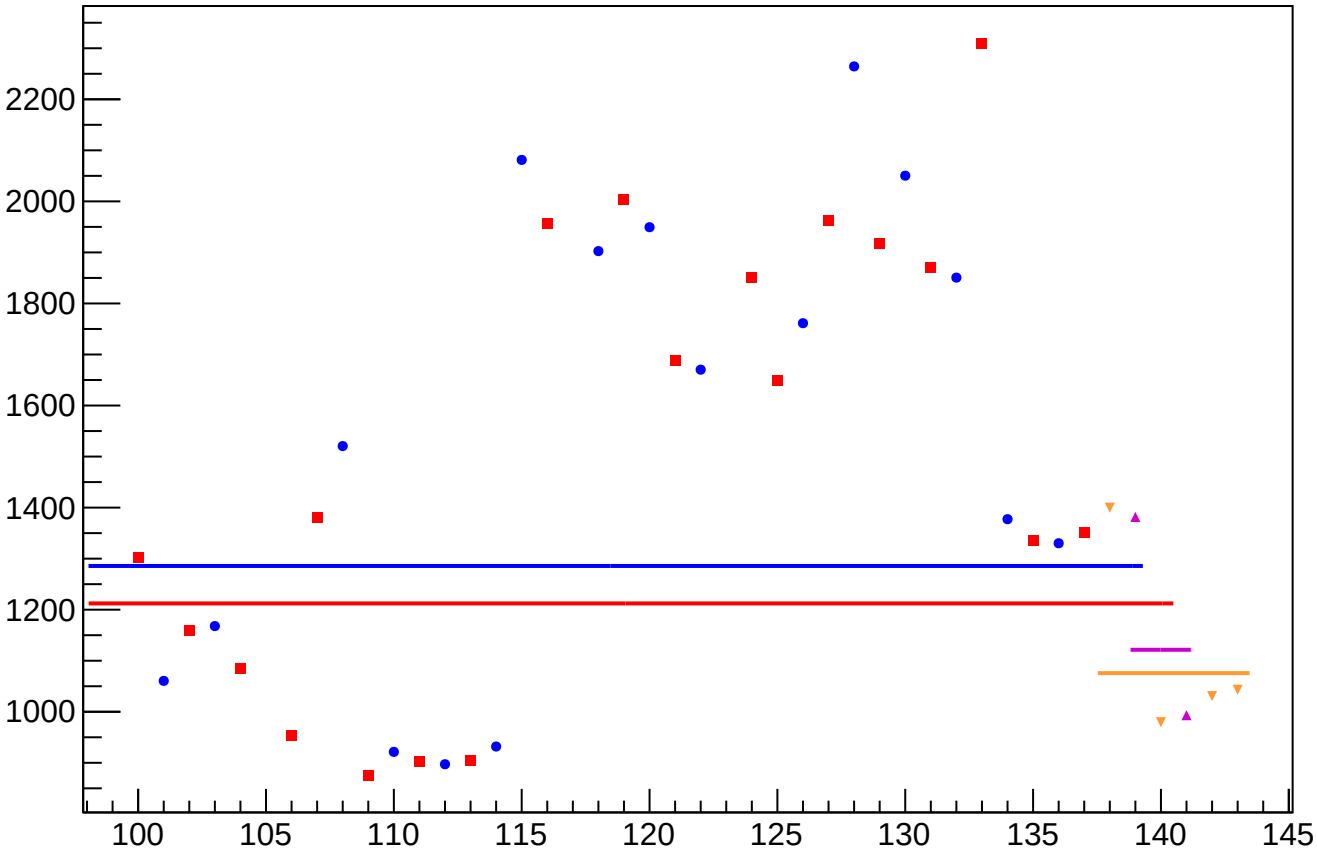
Left: -300.659+/-515.955 χ^2/NDF: 12.2/5

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 30.719+/-434.012 χ^2/NDF:25.2/17

Out: 380.350+/-378.912 χ^2/NDF:26.3/22

All: 229.124+/-285.437 χ^2/NDF: 51.9/40



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.3/3

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1121.453+/-0.613 χ^2/NDF:88813.8/1

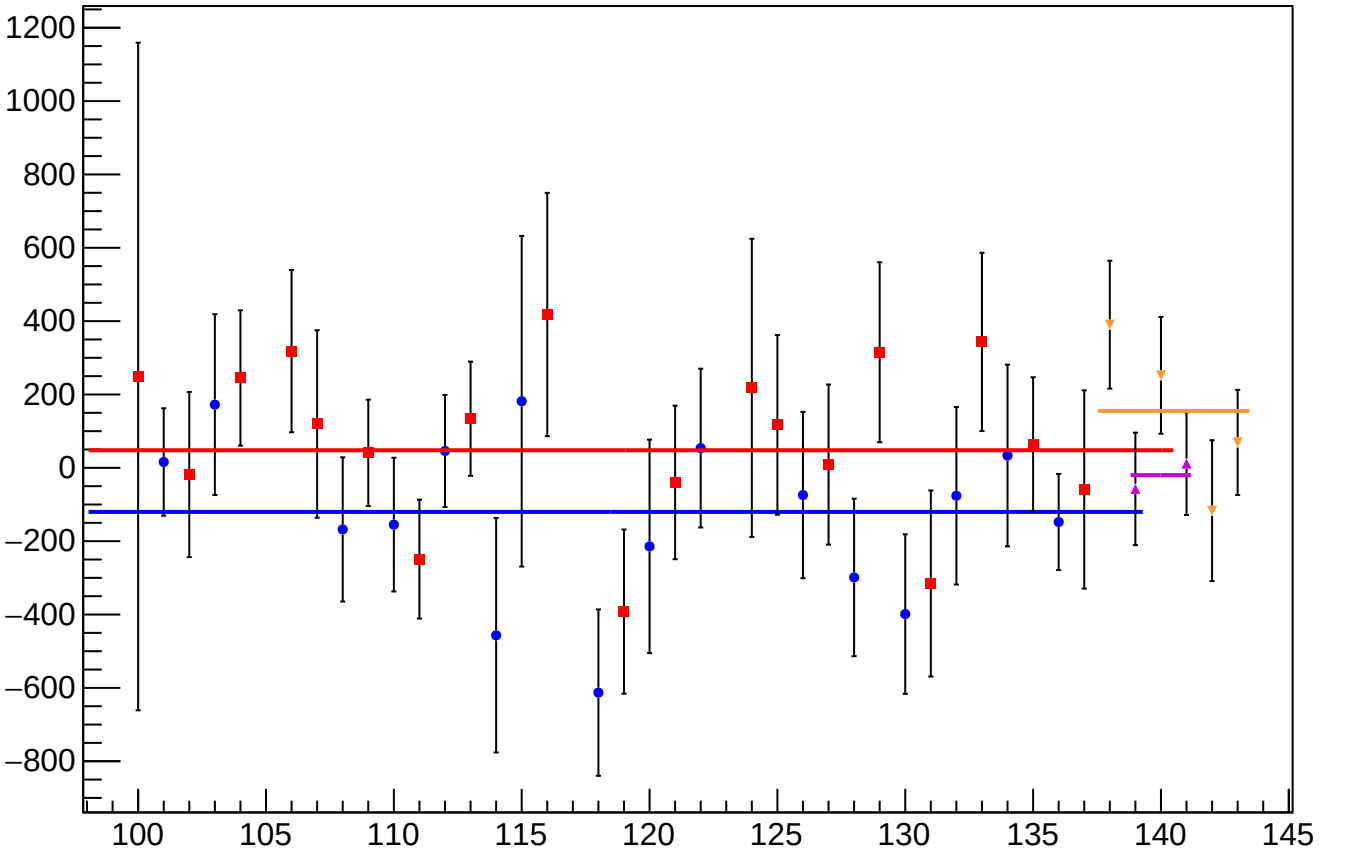
Left: 1091.923+/-0.365 χ^2/NDF: 194194.9/5

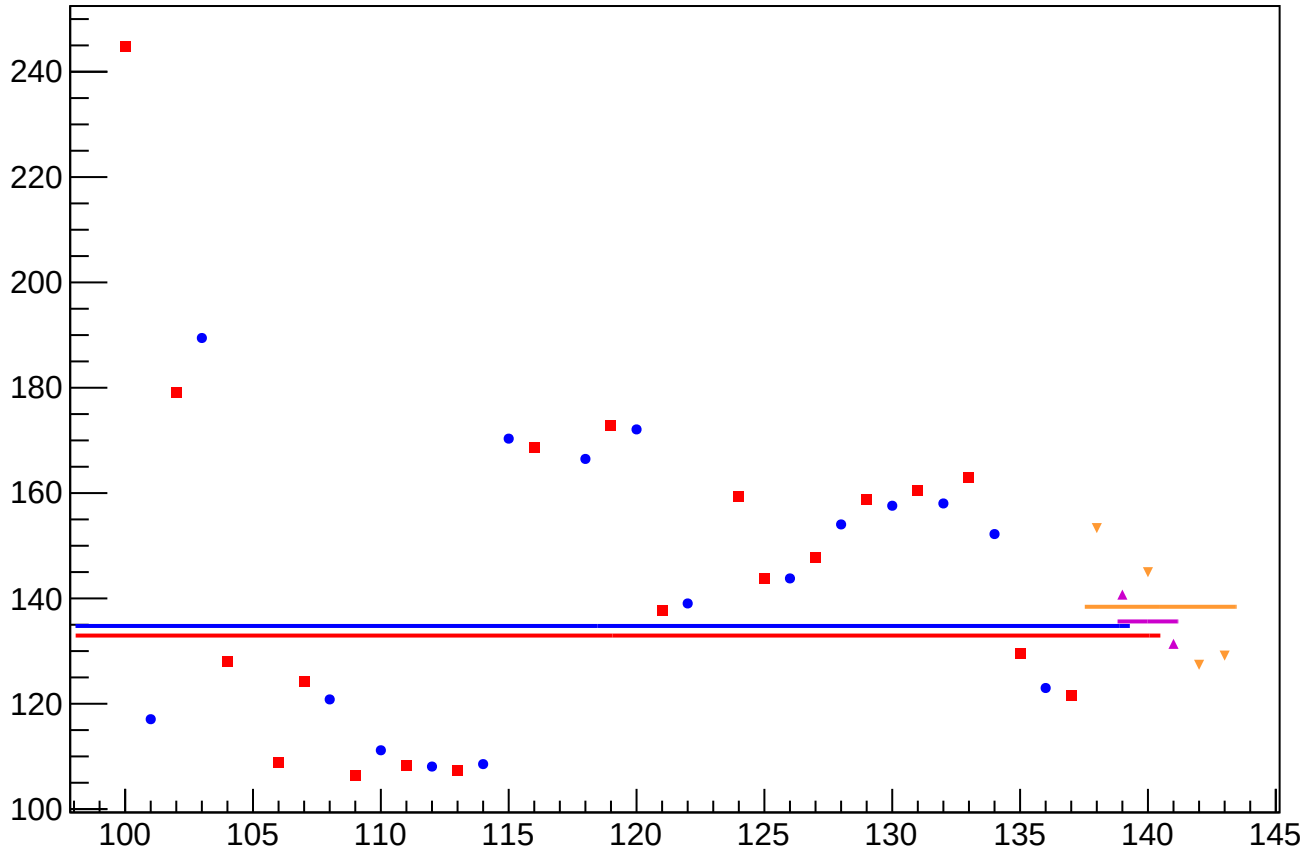
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1244.495+/-0.307 χ^2/NDF:1313032.9/17

Out: 1164.727+/-0.268 χ^2/NDF:1561380.2/22

All: 1199.229+/-0.202 χ^2/NDF: 2912750.7/40


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
105
110
115
120
125
130
135
140
145
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 155.219+/-82.140 χ²/NDF:4.6/3
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -19.792+/-103.383 χ²/NDF:0.1/1
Left: 87.493+/-64.312 χ²/NDF: 6.4/5
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -100.459+/-45.812 χ²/NDF:14.3/17
Out: 76.928+/-42.659 χ²/NDF:22.8/22
All: -5.452+/-31.220 χ²/NDF: 45.1/40



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.413+/-0.058 χ^2/NDF:33041.4/3

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.629+/-0.073 χ^2/NDF:4053.0/1

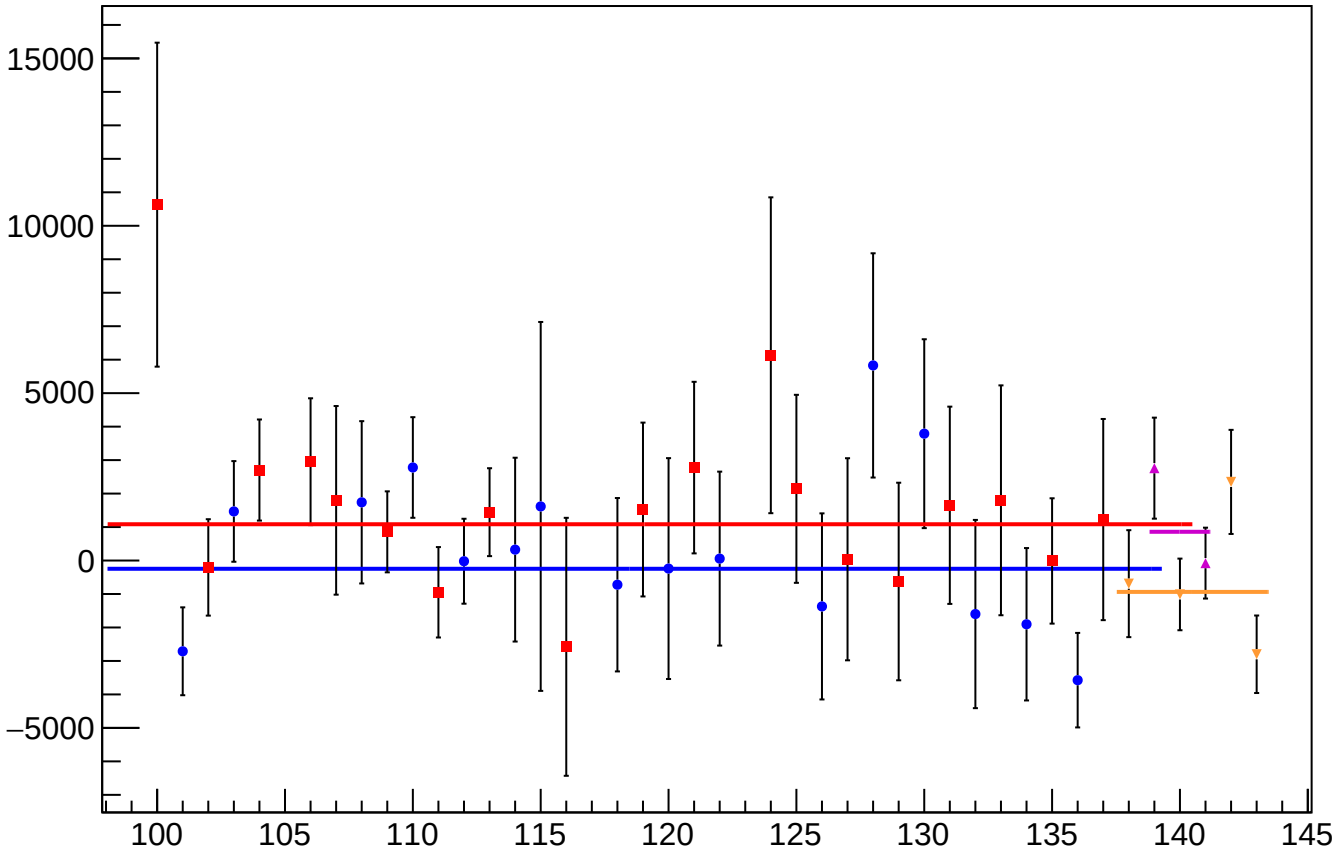
Left: 137.335+/-0.045 χ^2/NDF: 37983.5/5

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.940+/-0.032 χ^2/NDF:420945.3/17

Out: 134.421+/-0.030 χ^2/NDF:538358.5/22

All: 134.662+/-0.022 χ^2/NDF: 959441.0/40



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -937.148+/-642.155 χ^2/NDF:7.1/3

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 858.673+/-866.659 χ^2/NDF:2.4/1

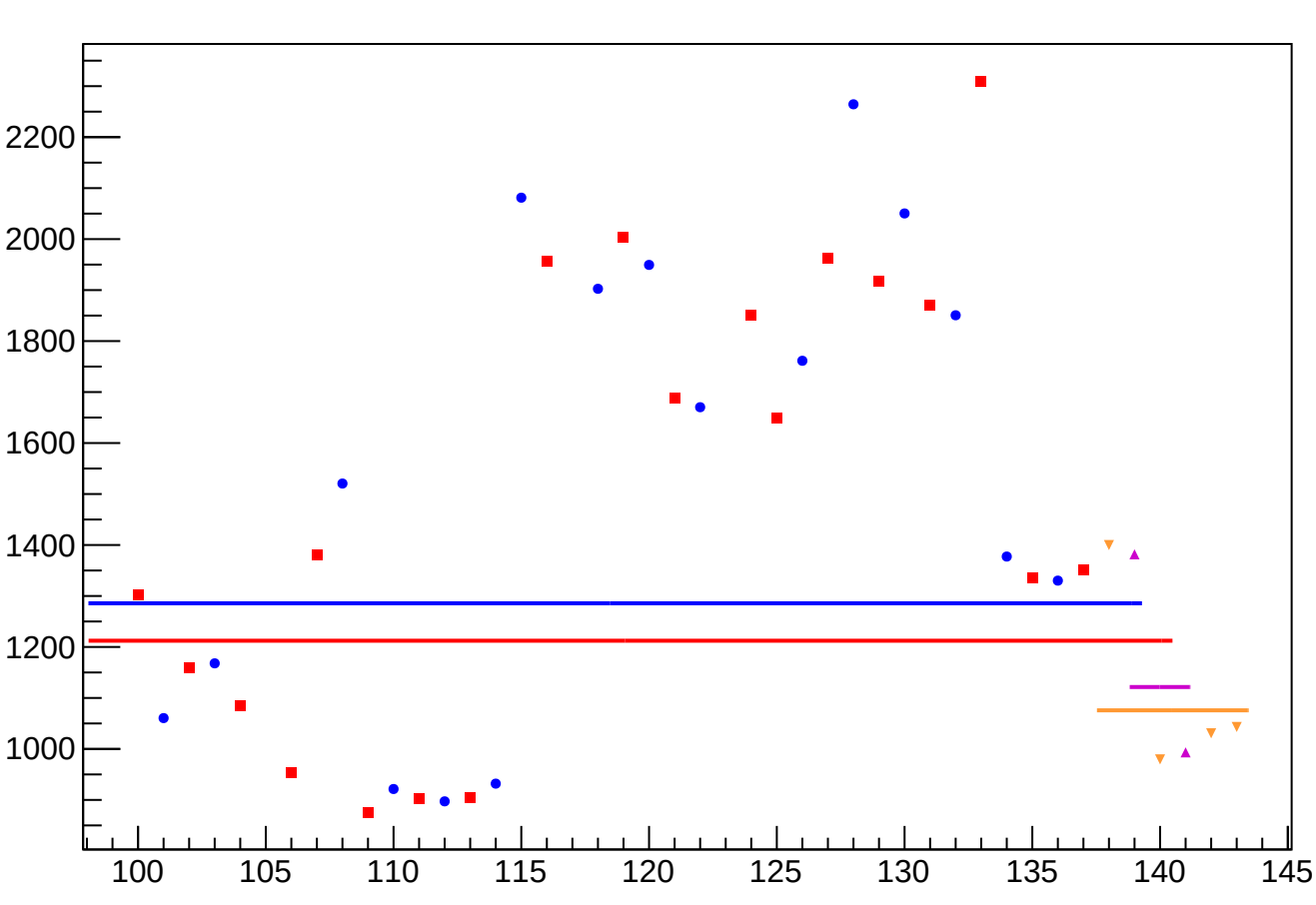
Left: -300.659+/-515.955 χ^2/NDF: 12.2/5

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 30.719+/-434.012 χ^2/NDF:25.2/17

Out: 380.350+/-378.912 χ^2/NDF:26.3/22

All: 229.124+/-285.437 χ^2/NDF: 51.9/40



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1075.711+/-0.454 χ^2/NDF:101784.3/3

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1121.453+/-0.613 χ^2/NDF:88813.8/1

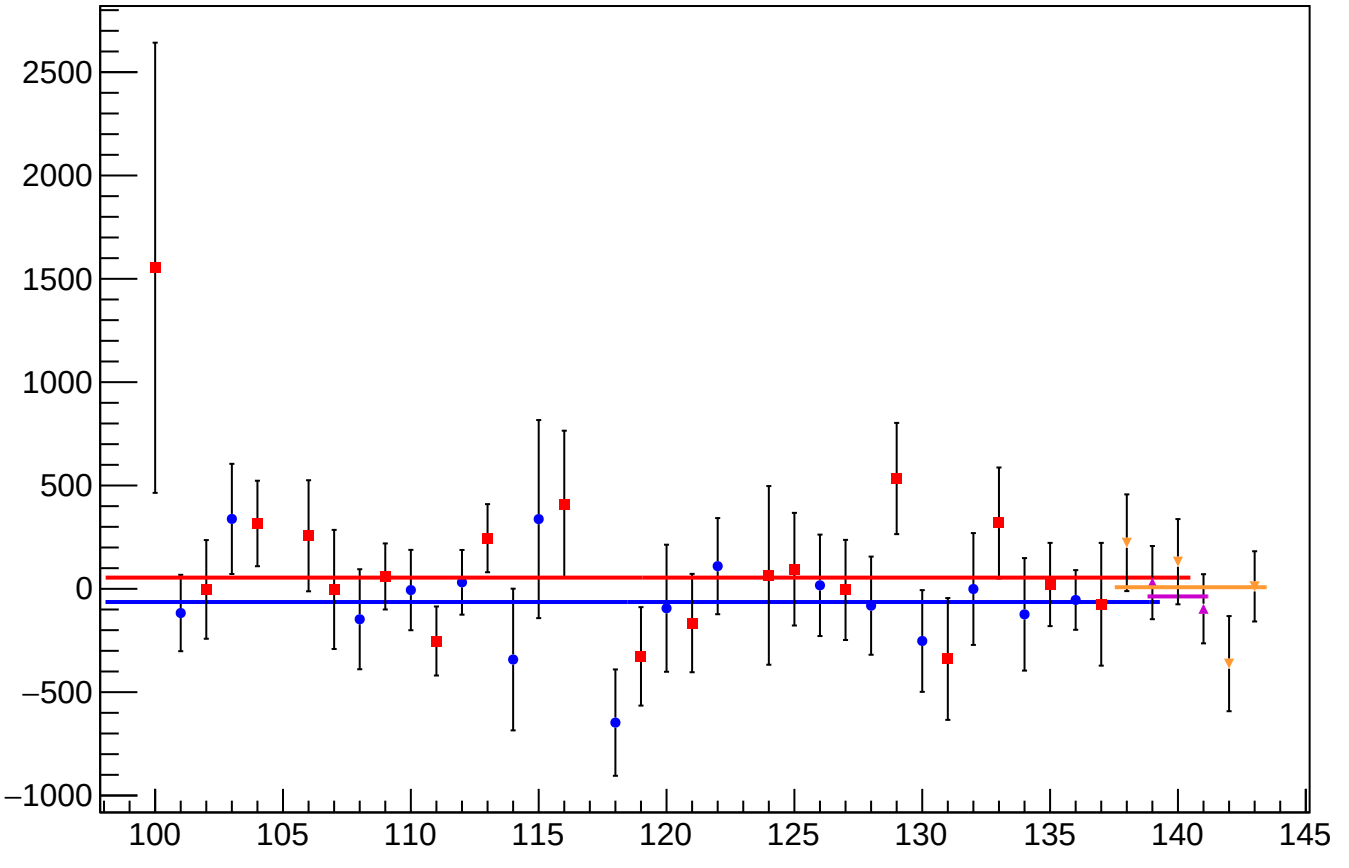
Left: 1091.923+/-0.365 χ^2/NDF: 194194.9/5

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1244.495+/-0.307 χ^2/NDF:1313032.9/17

Out: 1164.727+/-0.268 χ^2/NDF:1561380.2/22

All: 1199.229+/-0.202 χ^2/NDF: 2912750.7/40



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.802+/-102.443 χ^2/NDF:3.8/3

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: -10.696+/-78.349 χ^2/NDF: 4.1/5

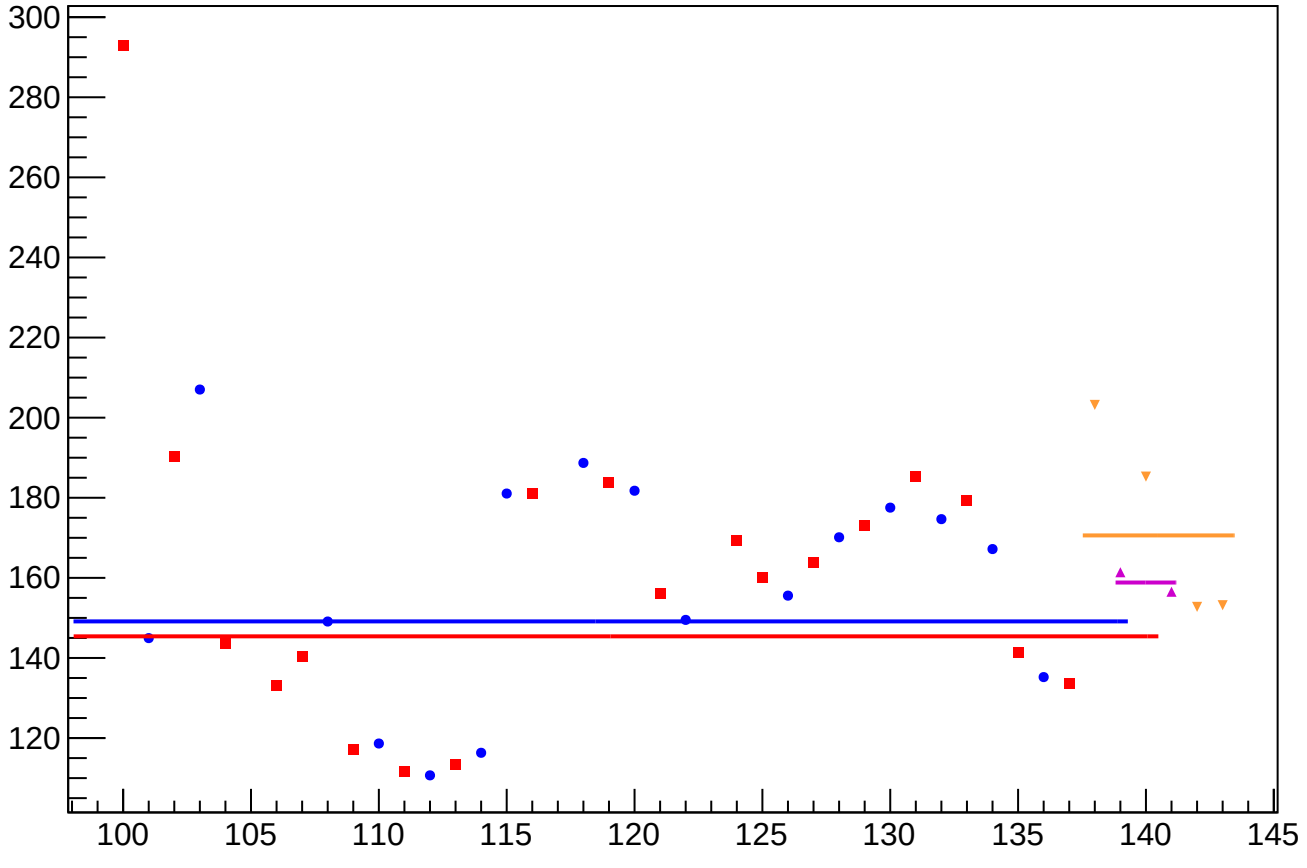
Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -58.952+/-51.414 χ^2/NDF:11.1/17

Out: 43.975+/-48.281 χ^2/NDF:23.5/22

All: -4.258+/-35.195 χ^2/NDF: 36.7/40

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 170.598+/-0.072 χ^2/NDF:81976.3/3

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.836+/-0.086 χ^2/NDF:797.9/1

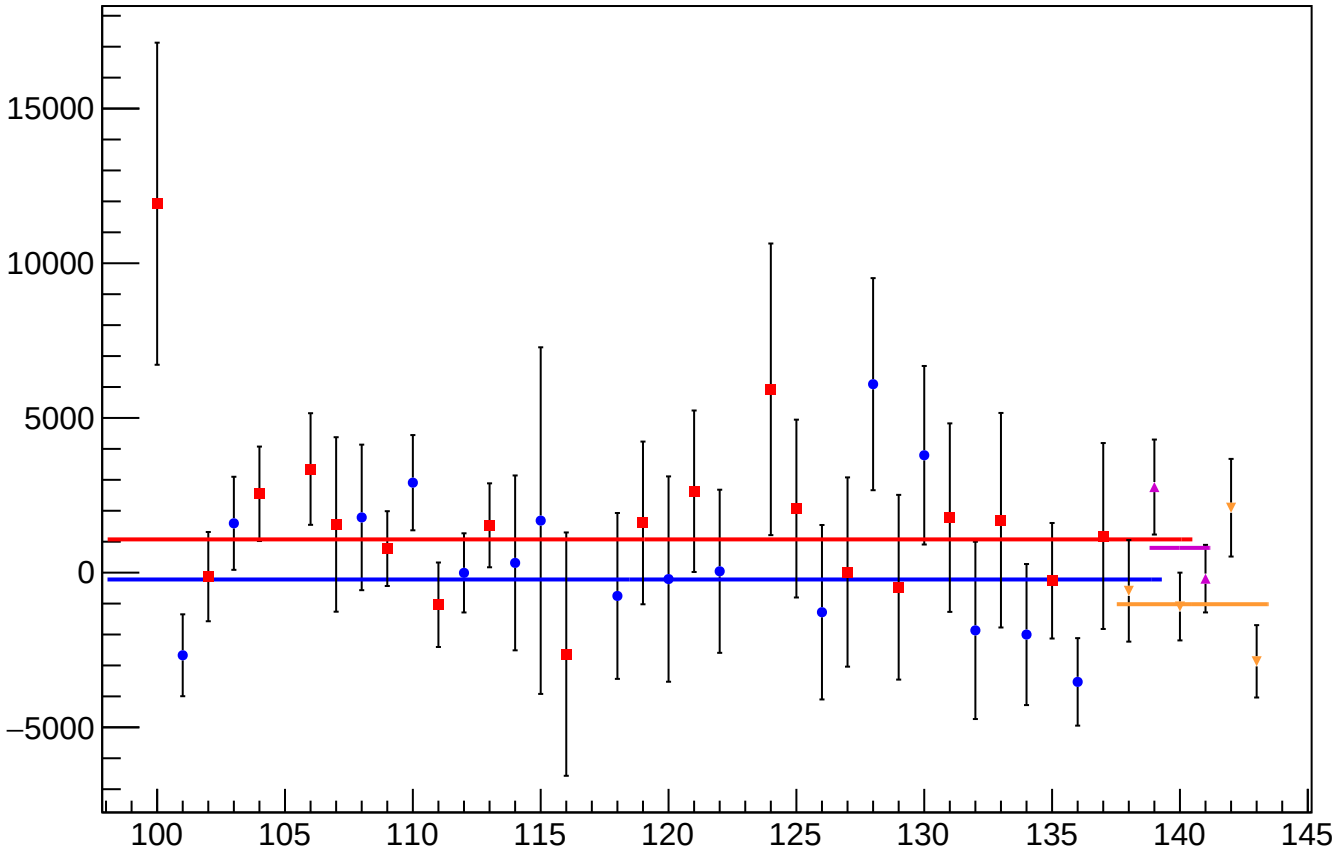
Left: 165.716+/-0.055 χ^2/NDF: 93718.1/5

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 150.865+/-0.036 χ^2/NDF:462263.2/17

Out: 150.997+/-0.034 χ^2/NDF:701930.0/22

All: 150.935+/-0.025 χ^2/NDF: 1164200.2/40



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1020.360+/-654.143 χ^2/NDF:6.5/3

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 800.229+/-889.832 χ^2/NDF:2.5/1

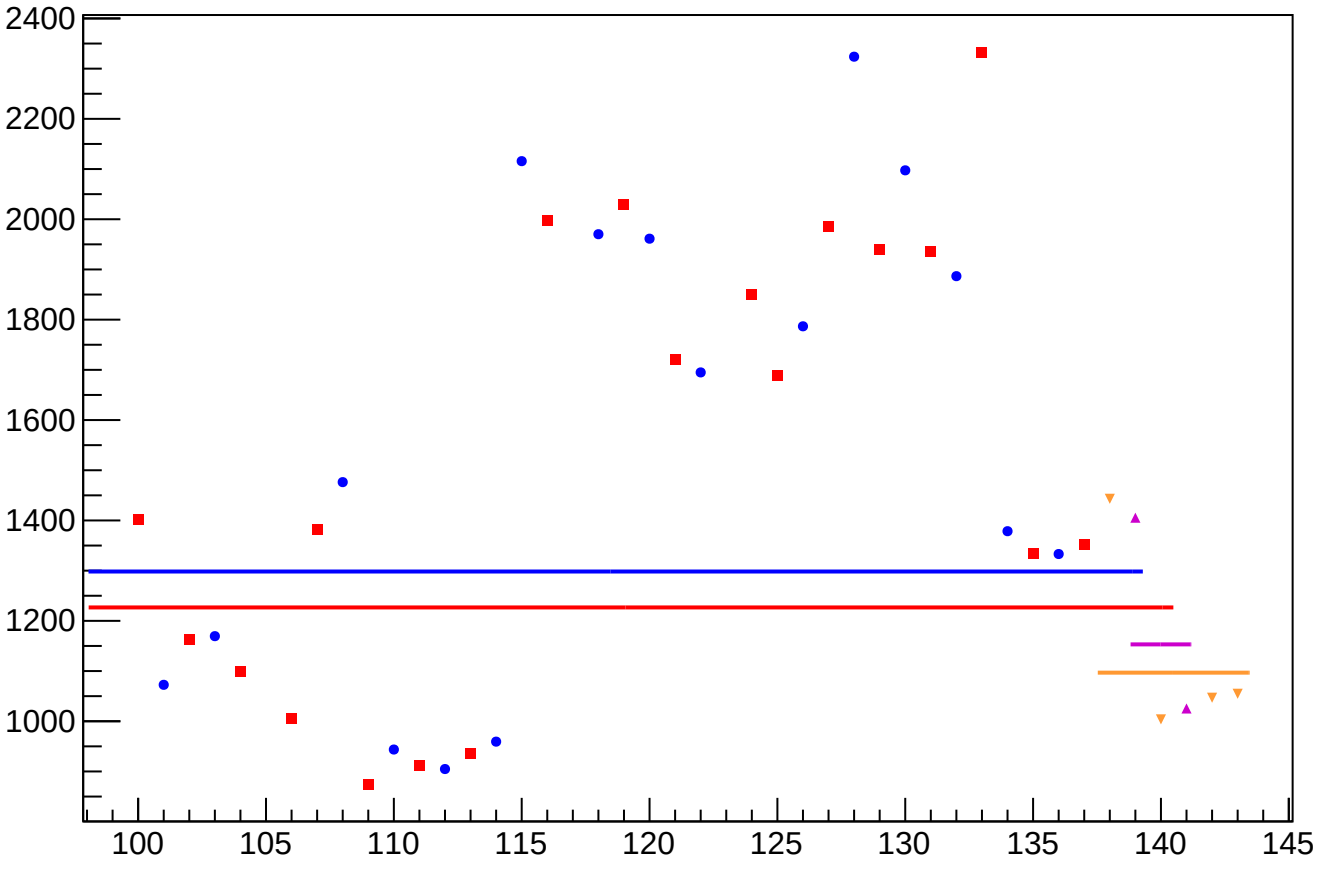
Left: -381.651+/-527.052 χ^2/NDF: 11.7/5

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 28.503+/-439.989 χ^2/NDF:25.3/17

Out: 355.581+/-383.197 χ^2/NDF:26.8/22

All: 214.501+/-288.968 χ^2/NDF: 52.5/40



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1096.821+/-0.463 χ^2/NDF:107996.5/3

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1153.128+/-0.629 χ^2/NDF:81390.0/1

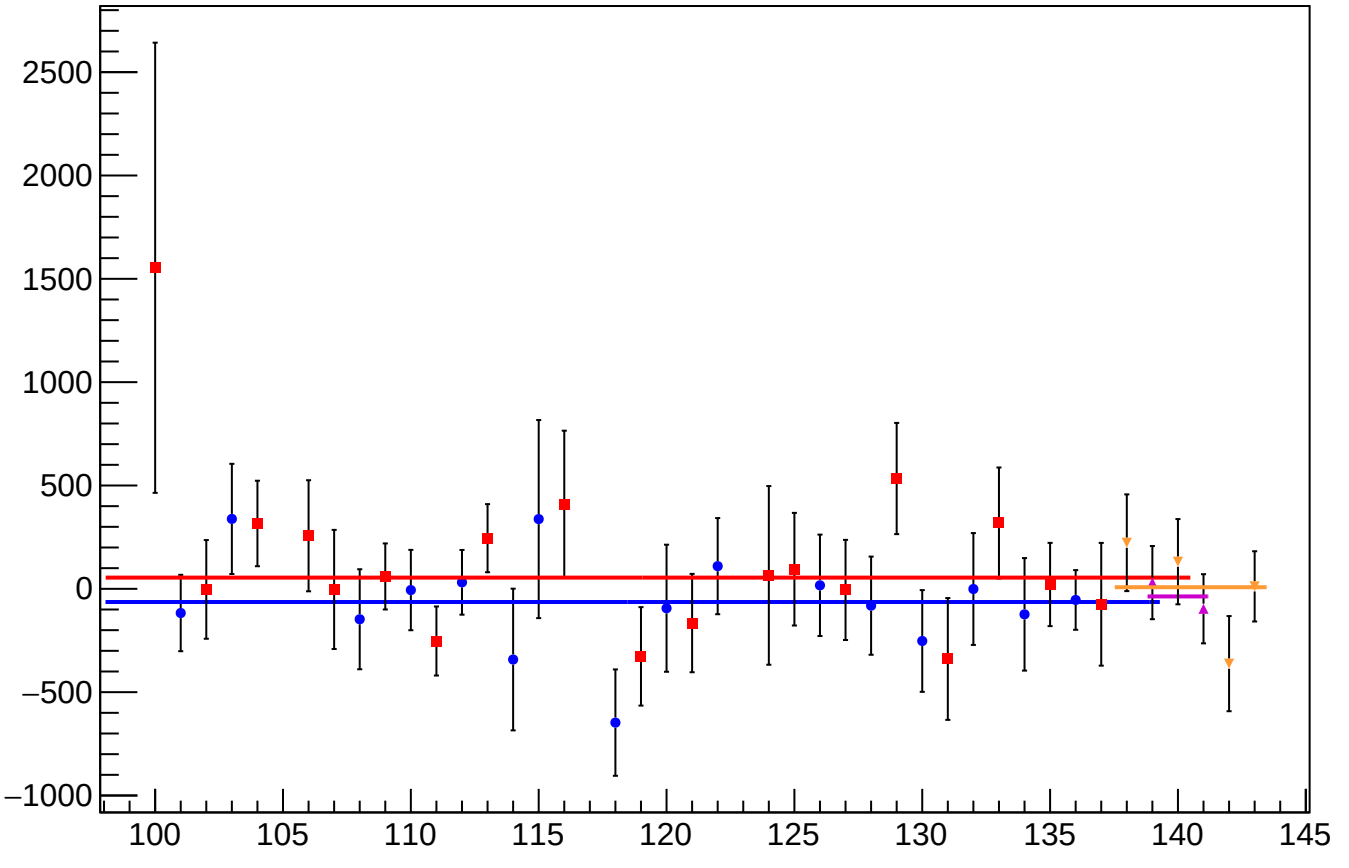
Left: 1116.575+/-0.373 χ^2/NDF: 194585.3/5

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1262.801+/-0.311 χ^2/NDF:1303727.1/17

Out: 1182.149+/-0.271 χ^2/NDF:1564328.3/22

All: 1216.937+/-0.204 χ^2/NDF: 2906270.1/40



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.804+/-102.443 χ^2/NDF:3.8/3

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: -36.765+/-121.612 χ^2/NDF:0.3/1

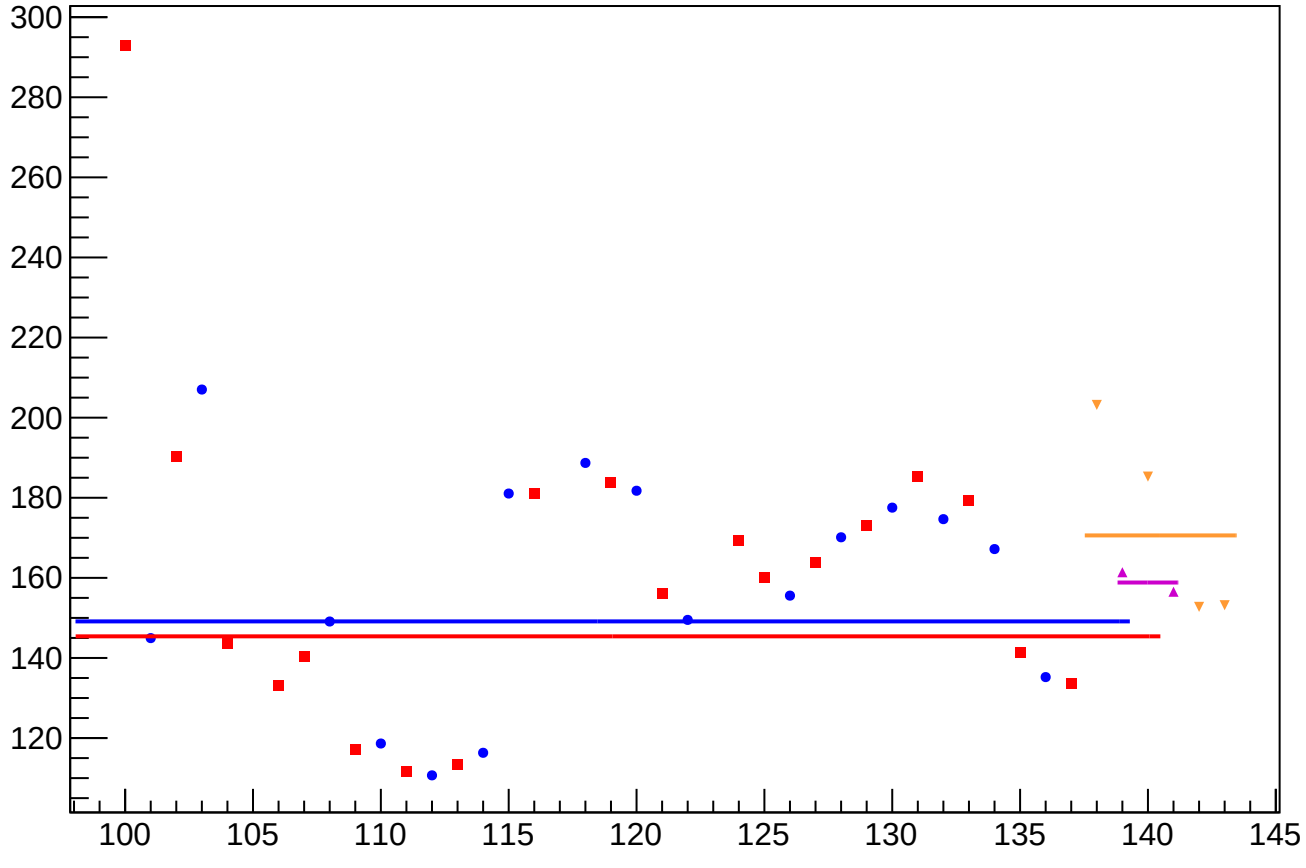
Left: -10.695+/-78.349 χ^2/NDF: 4.1/5

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -58.950+/-51.414 χ^2/NDF:11.1/17

Out: 43.975+/-48.281 χ^2/NDF:23.5/22

All: -4.256+/-35.195 χ^2/NDF: 36.7/40



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 170.598+/-0.072 χ^2/NDF:81973.8/3

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.836+/-0.086 χ^2/NDF:797.7/1

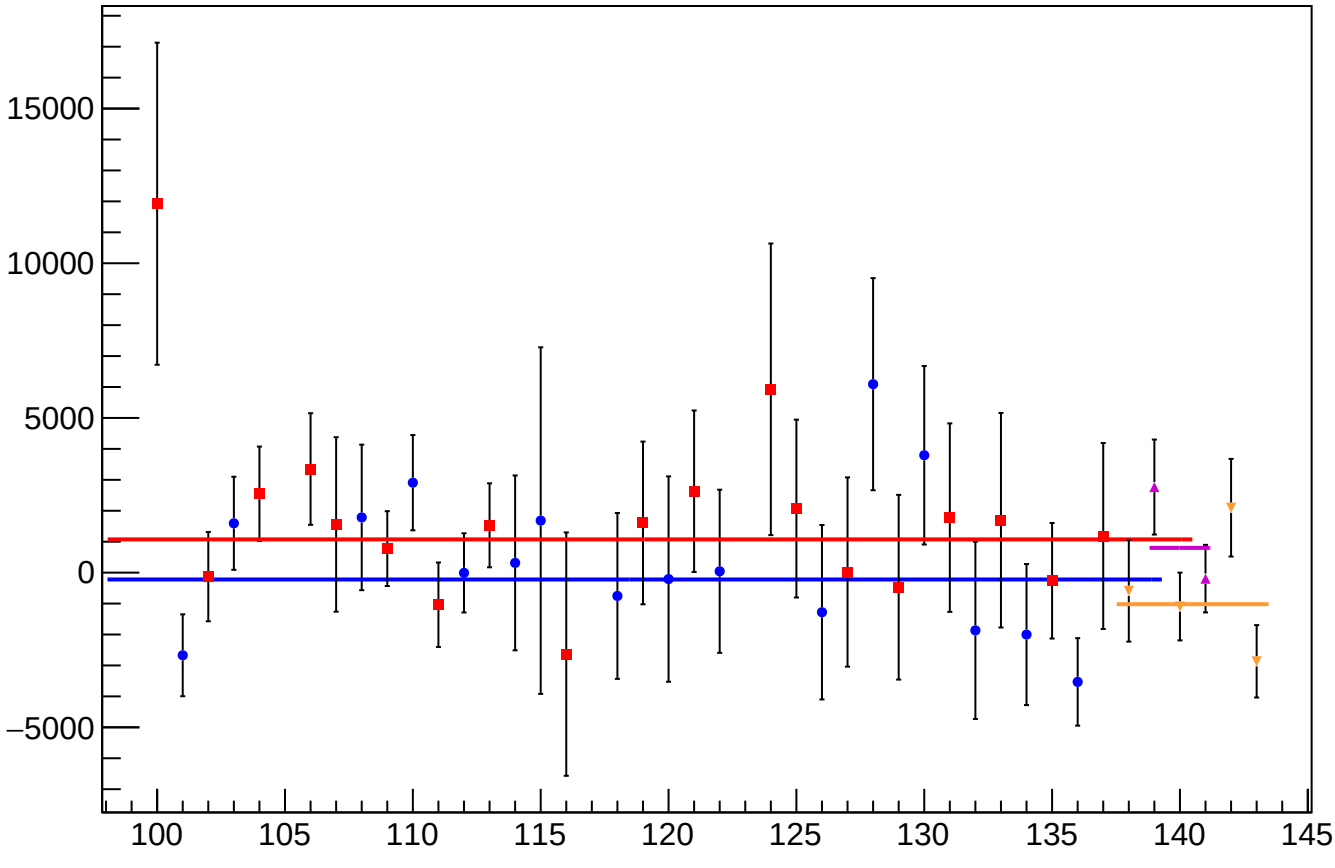
Left: 165.716+/-0.055 χ^2/NDF: 93716.0/5

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 150.865+/-0.036 χ^2/NDF:462264.4/17

Out: 150.997+/-0.034 χ^2/NDF:701932.1/22

All: 150.935+/-0.025 χ^2/NDF: 1164203.4/40



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1020.360+/-654.142 χ^2/NDF:6.5/3

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 800.229+/-889.830 χ^2/NDF:2.5/1

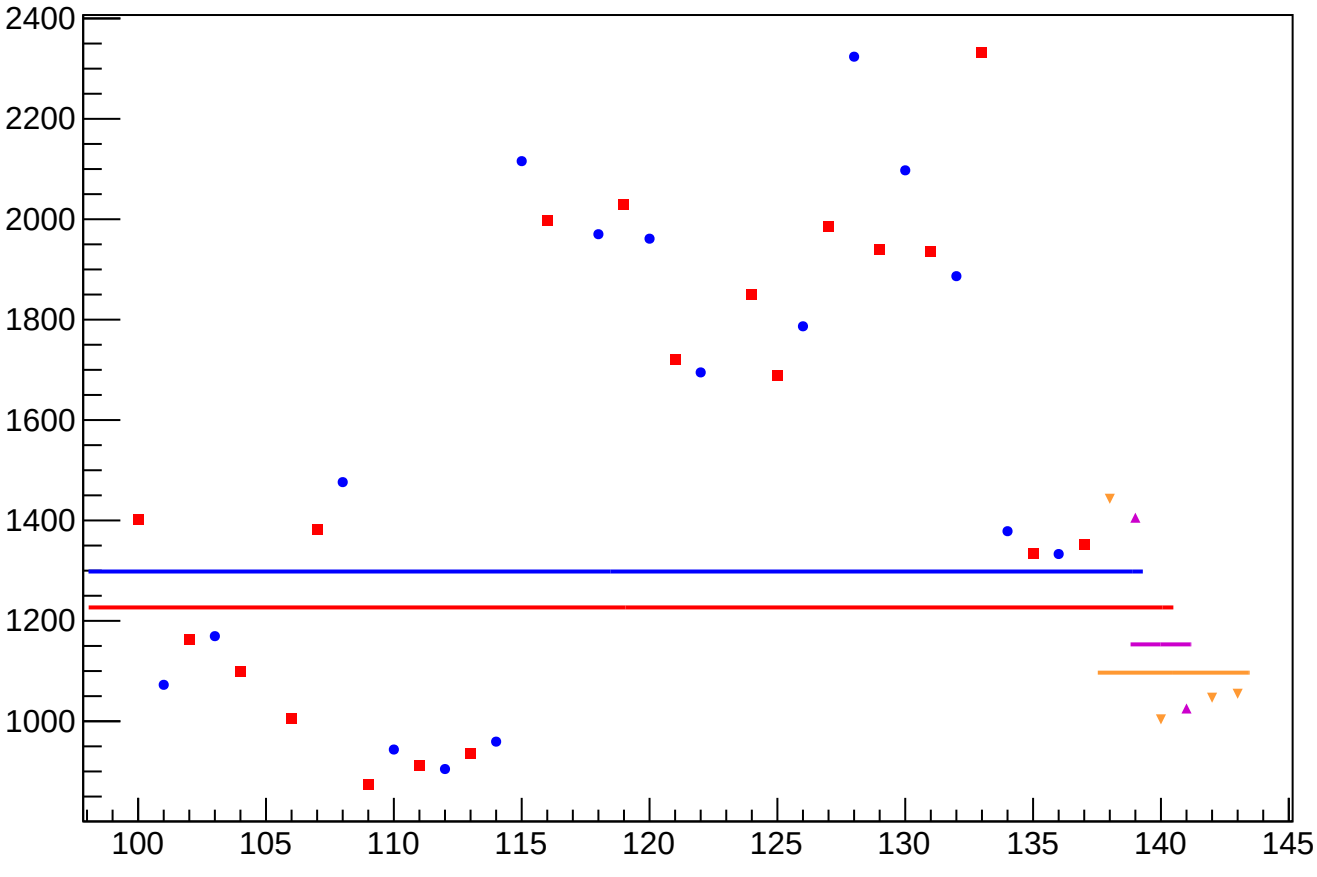
Left: -381.651+/-527.051 χ^2/NDF: 11.7/5

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 28.505+/-439.989 χ^2/NDF:25.3/17

Out: 355.579+/-383.196 χ^2/NDF:26.8/22

All: 214.500+/-288.968 χ^2/NDF: 52.5/40



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1096.819+/-0.463 χ^2/NDF:107995.7/3

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: 1116.573+/-0.373 χ^2/NDF: 194584.9/5

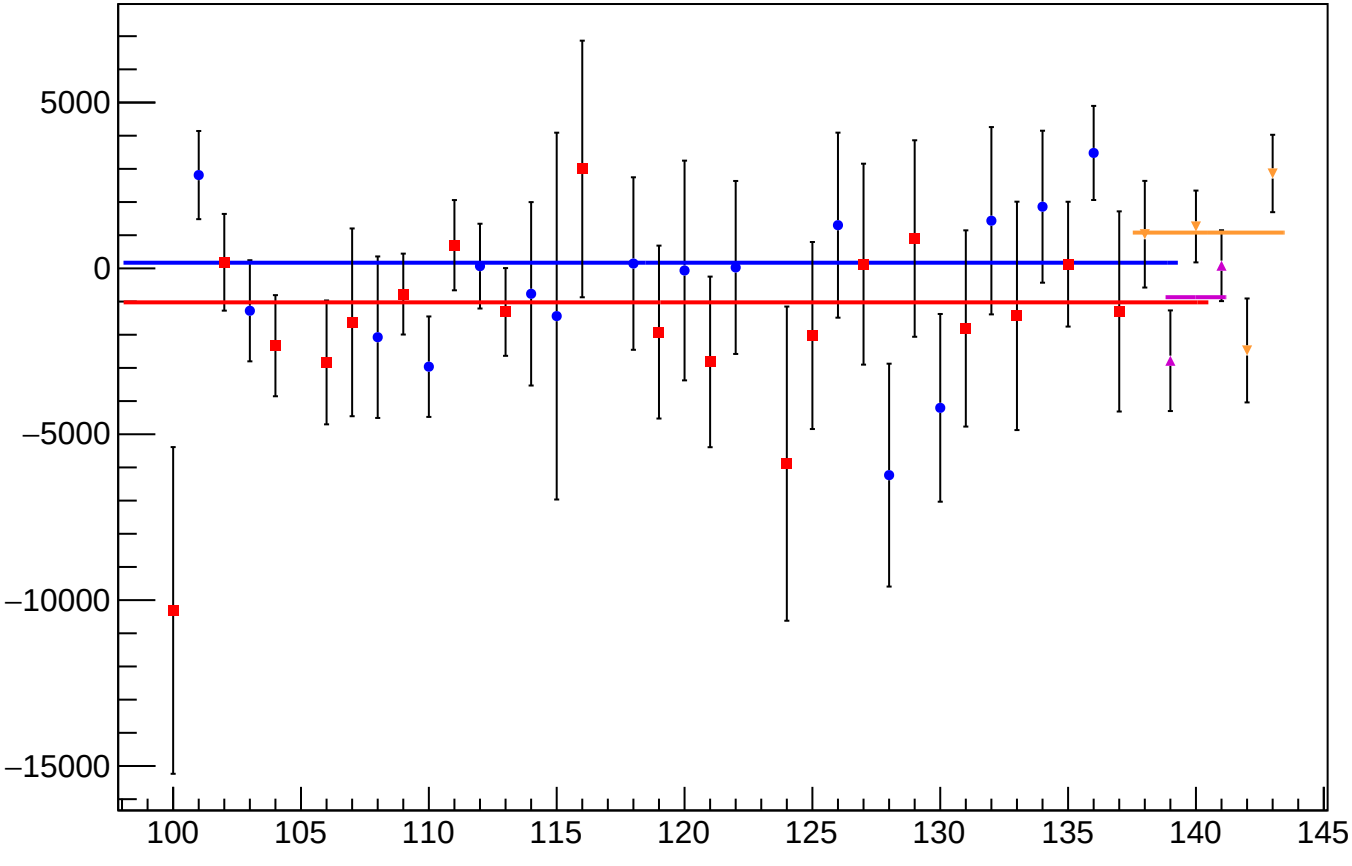
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1262.799+/-0.311 χ^2/NDF:1303732.8/17

Out: 1182.148+/-0.271 χ^2/NDF:1564330.6/22

All: 1216.936+/-0.204 χ^2/NDF: 2906277.7/40

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1079.216+/-647.808 χ^2/NDF:7.5/3

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: 388.075+/-520.297 χ^2/NDF: 13.1/5

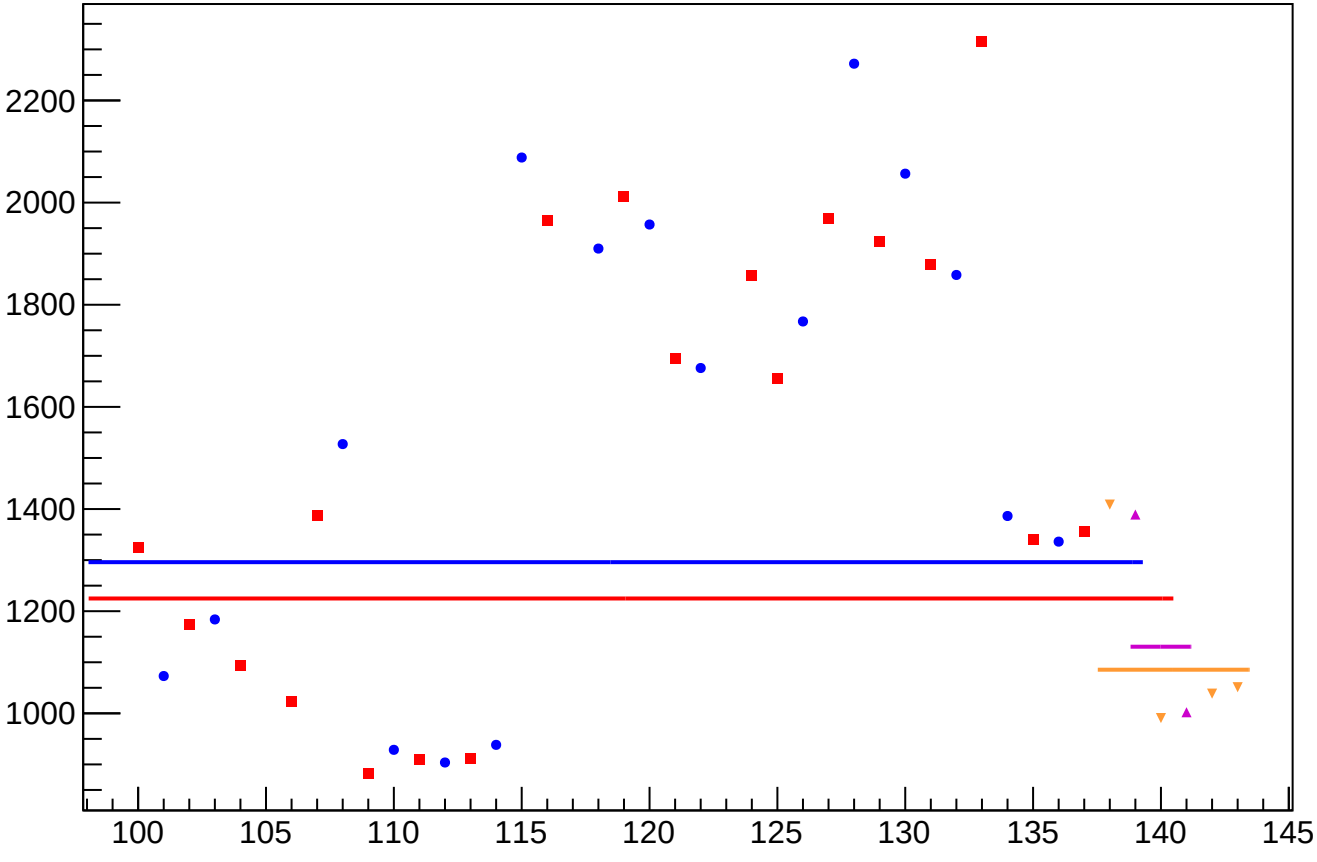
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -89.432+/-437.263 χ^2/NDF:26.0/17

Out: -294.437+/-381.485 χ^2/NDF:25.9/22

All: -205.836+/-287.461 χ^2/NDF: 52.1/40

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1085.424+/-0.458 χ^2/NDF:99714.1/3

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1130.461+/-0.618 χ^2/NDF:87062.8/1

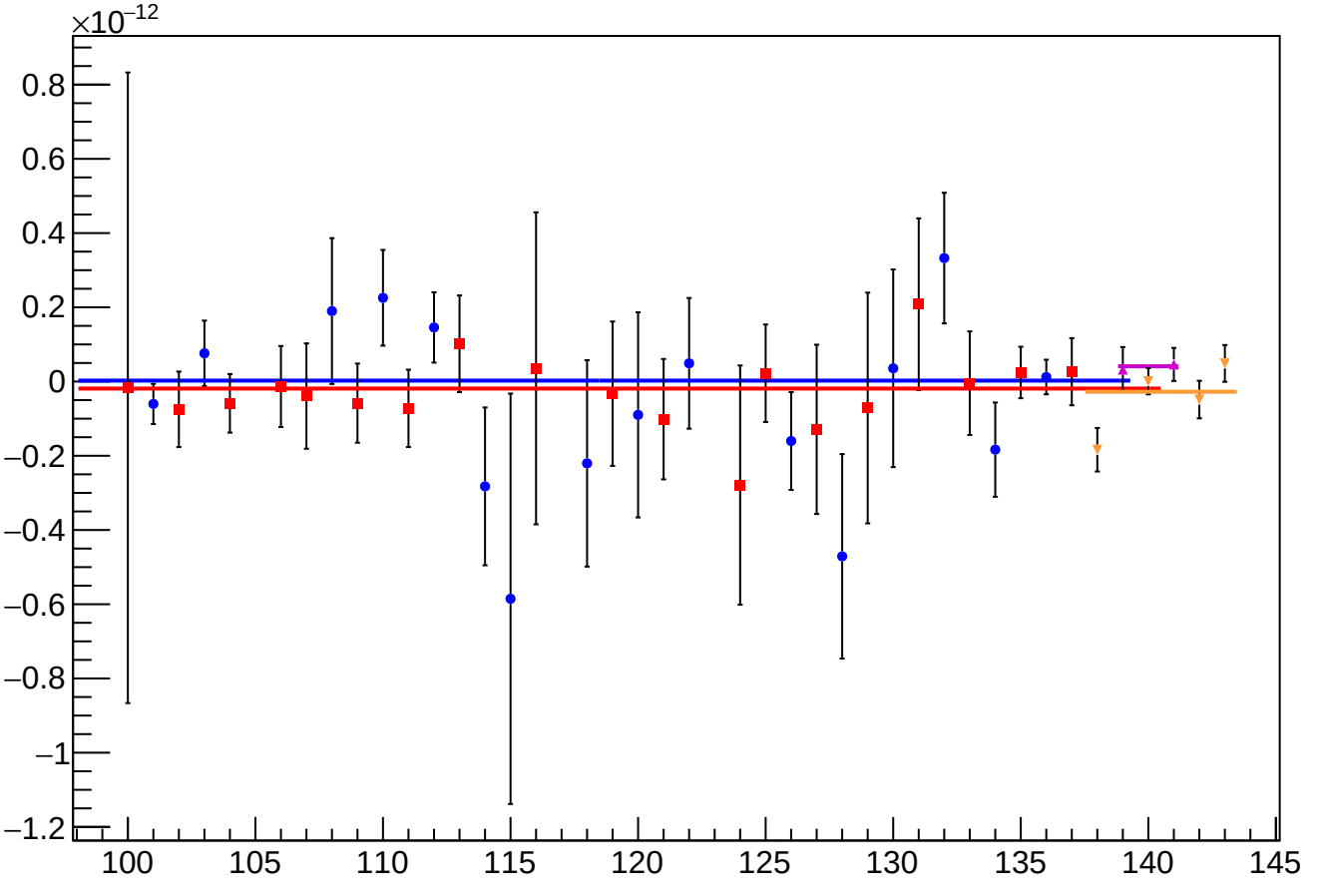
Left: 1101.409+/-0.368 χ^2/NDF: 190207.7/5

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1254.493+/-0.309 χ^2/NDF:1295083.7/17

Out: 1176.513+/-0.270 χ^2/NDF:1531535.2/22

All: 1210.215+/-0.203 χ^2/NDF: 2862736.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

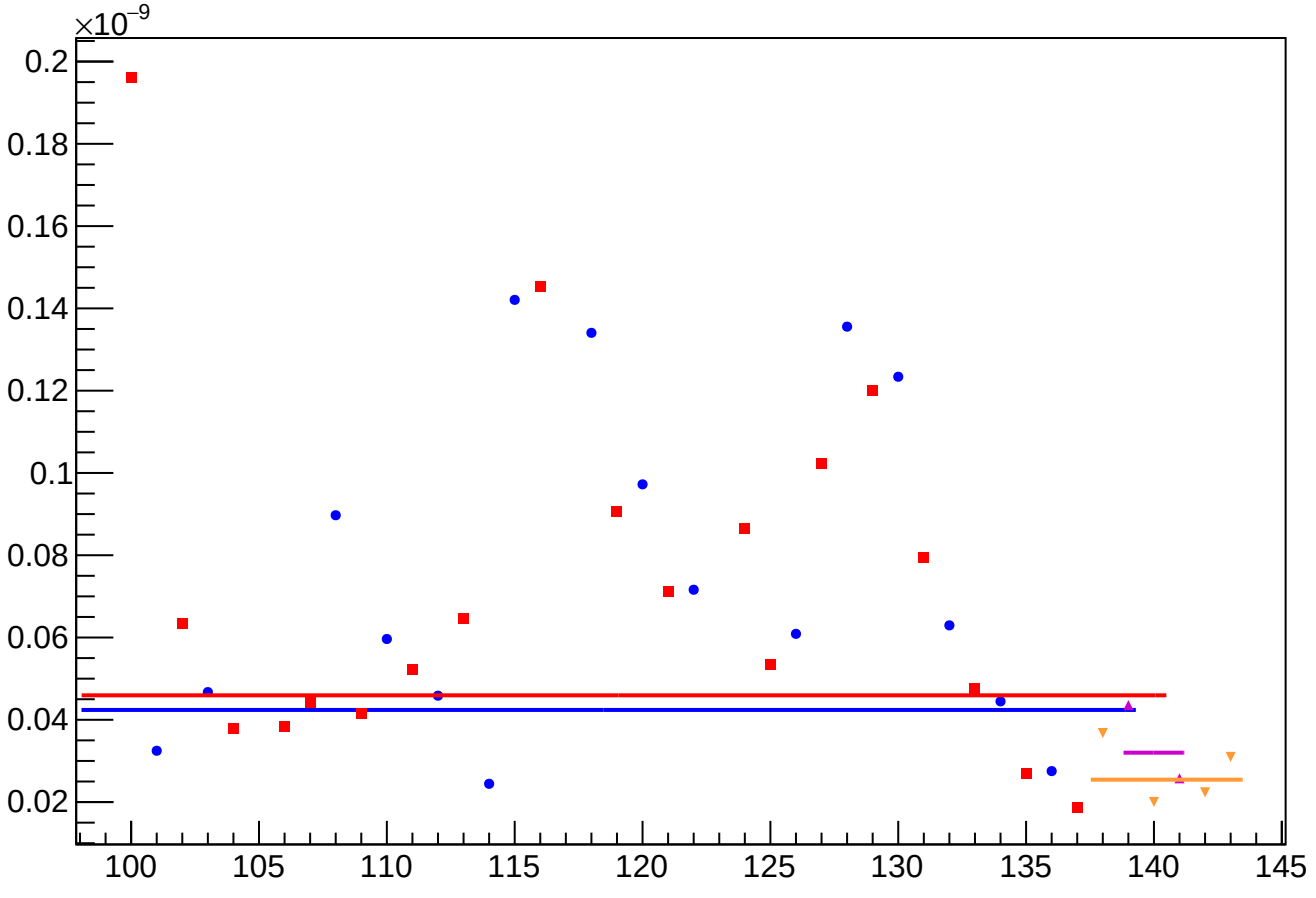
Left: -0.000+/-0.000 χ^2/NDF: 12.9/5

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:15.1/22

All: -0.000+/-0.000 χ^2/NDF: 40.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:153871.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:112111.3/1

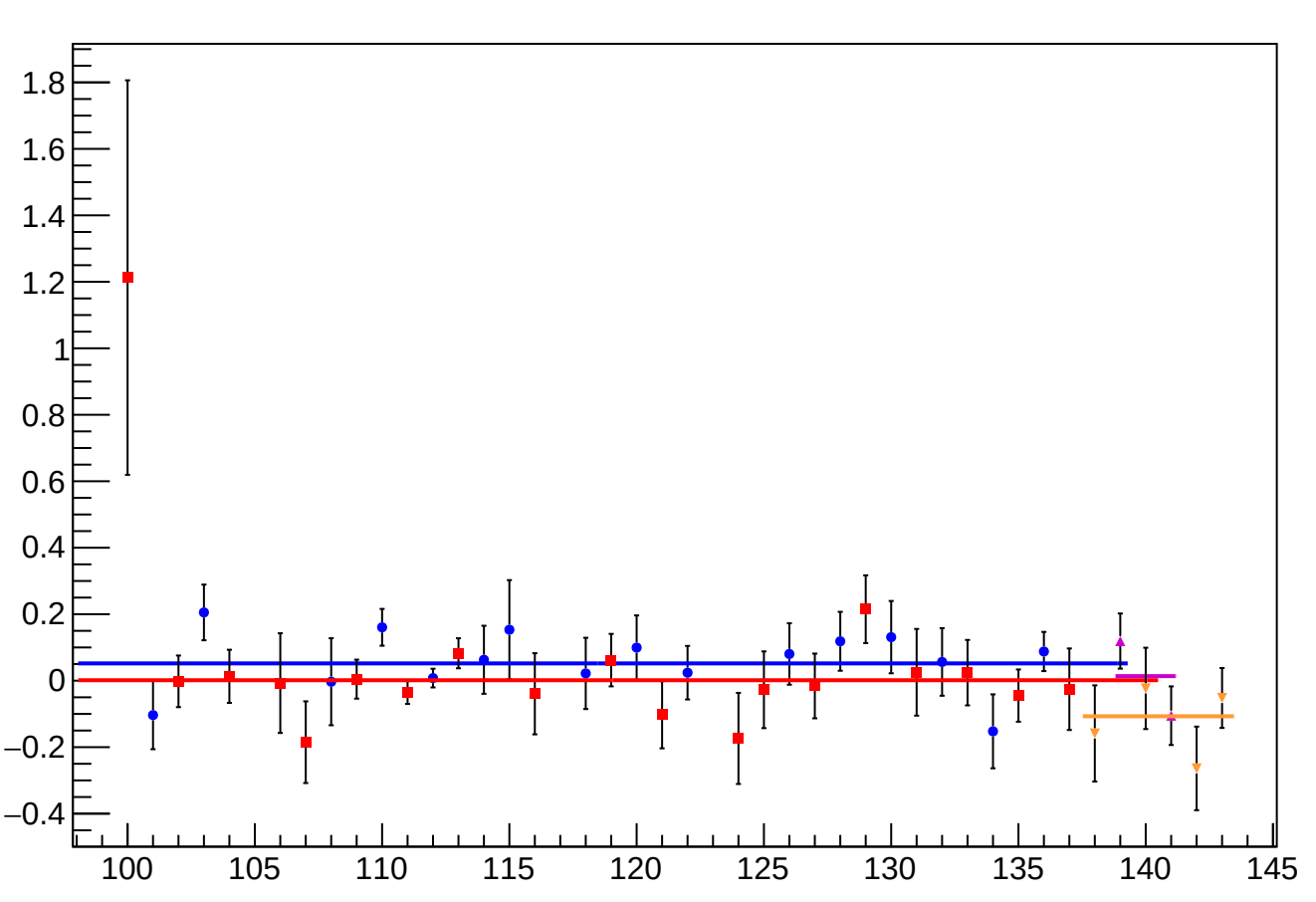
Left: 0.000+/-0.000 χ^2/NDF: 313369.9/5

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:1888974.9/22

All: 0.000+/-0.000 χ^2/NDF: 3520264.0/40



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.060 χ^2/NDF:3.4/1

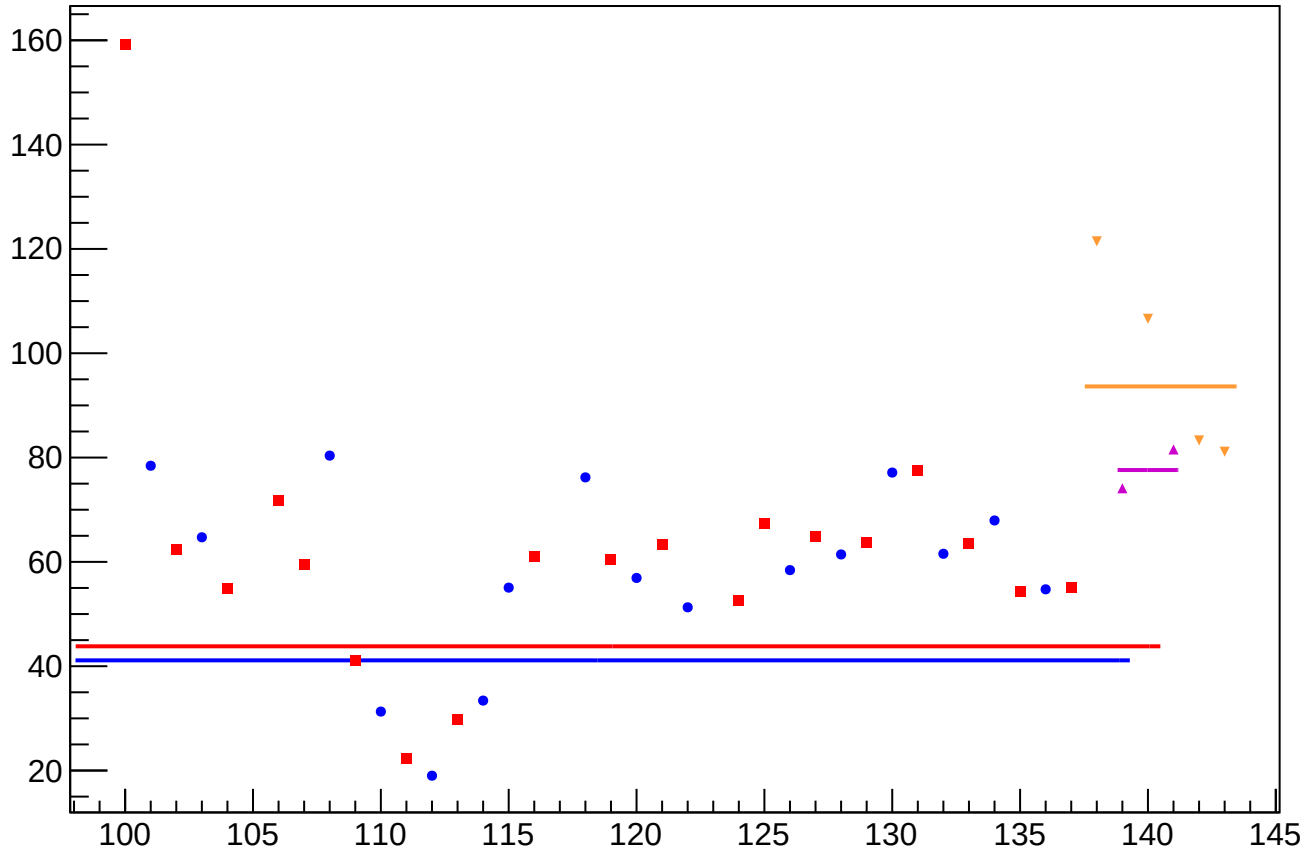
Left: -0.050+/-0.042 χ^2/NDF: 8.1/5

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.021+/-0.012 χ^2/NDF: 52.4/40



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 93.638+/-0.041 χ^2/NDF:148470.7/3

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: 86.001+/-0.029 χ^2/NDF: 229679.9/5

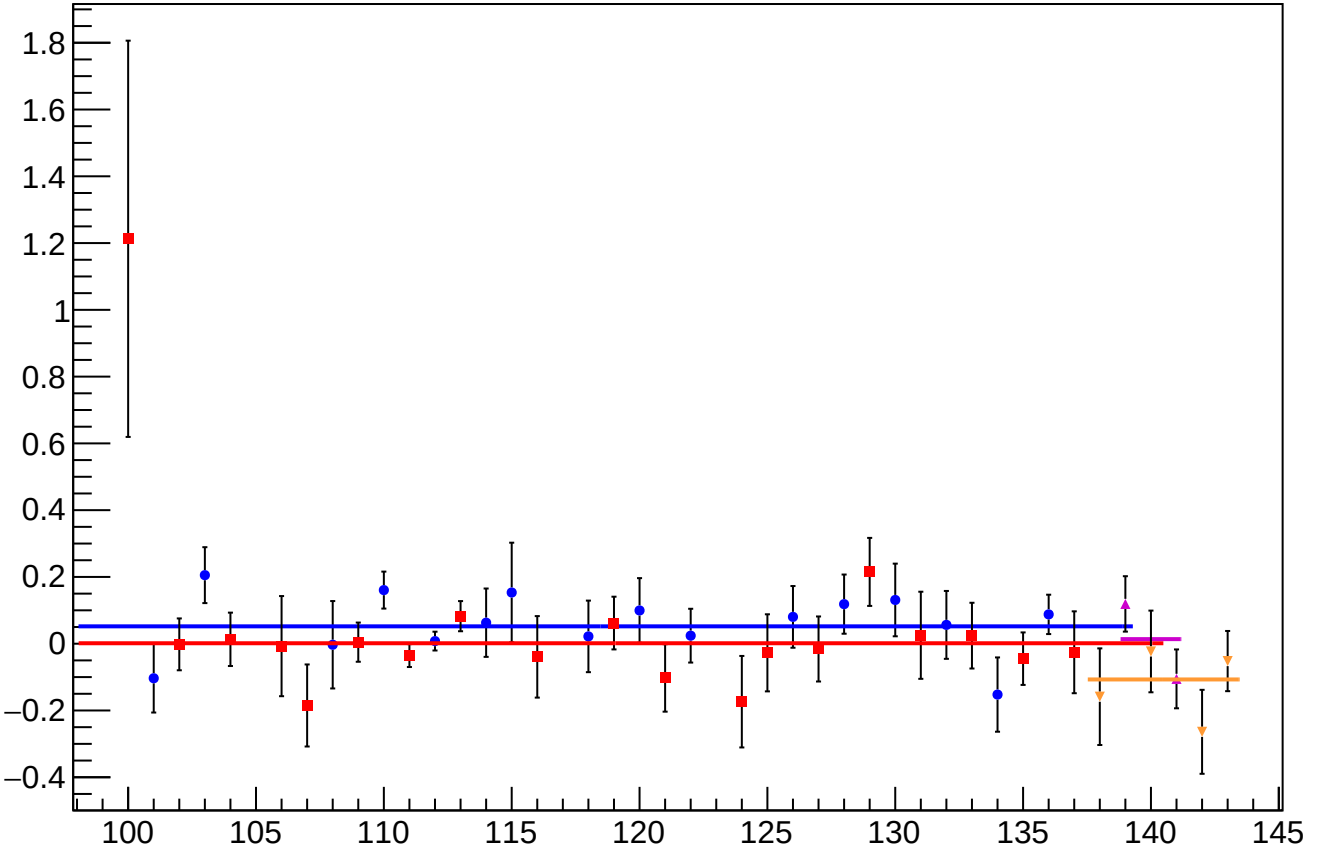
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 44.025+/-0.012 χ^2/NDF:3604024.3/17

Out: 48.206+/-0.012 χ^2/NDF:3558992.3/22

All: 46.107+/-0.009 χ^2/NDF: 7222924.2/40

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: -0.107+/-0.058 χ^2/NDF:2.5/3

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.014+/-0.060 χ^2/NDF:3.4/1

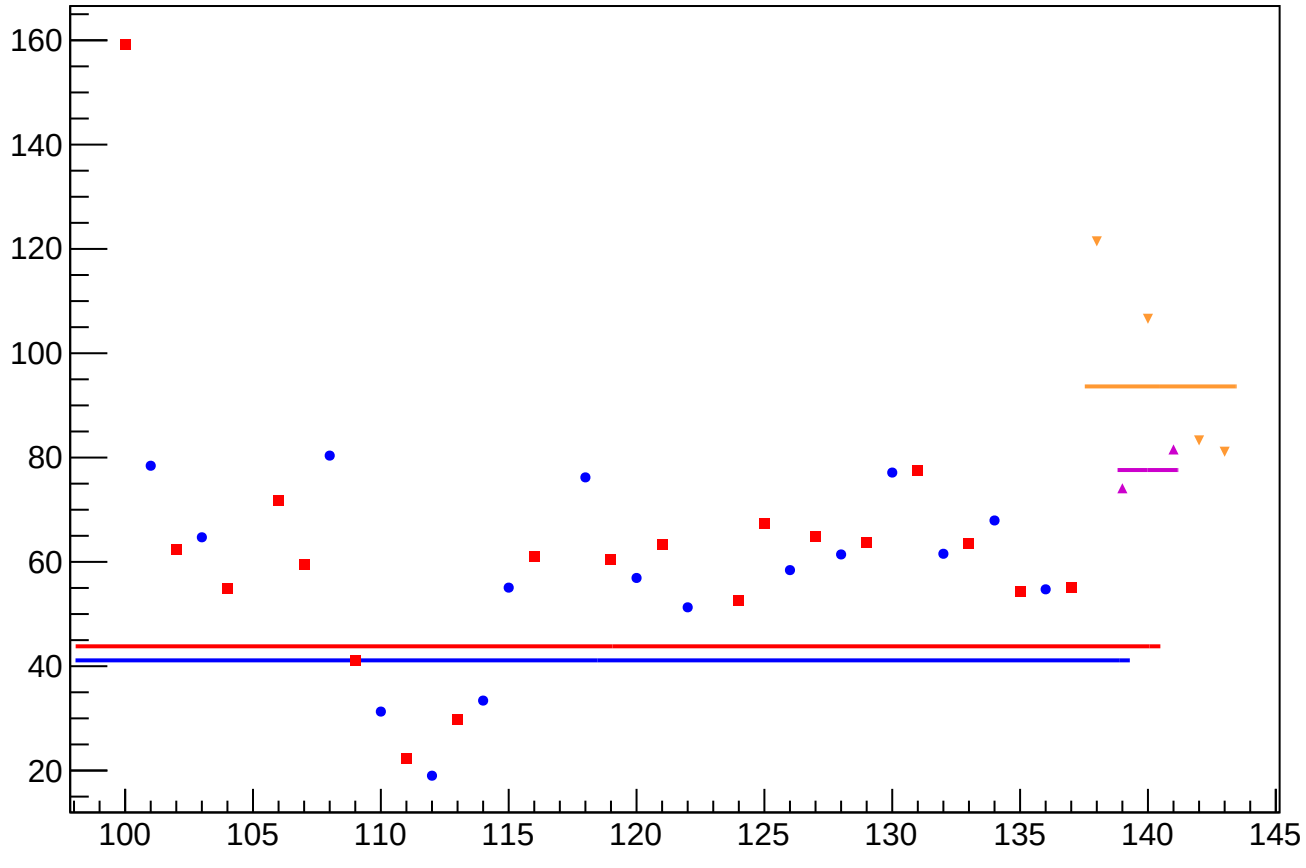
Left: -0.050+/-0.042 χ^2/NDF: 8.1/5

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.021+/-0.012 χ^2/NDF: 52.4/40



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 93.638+/-0.041 χ^2/NDF:148470.7/3

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 77.610+/-0.043 χ^2/NDF:7555.7/1

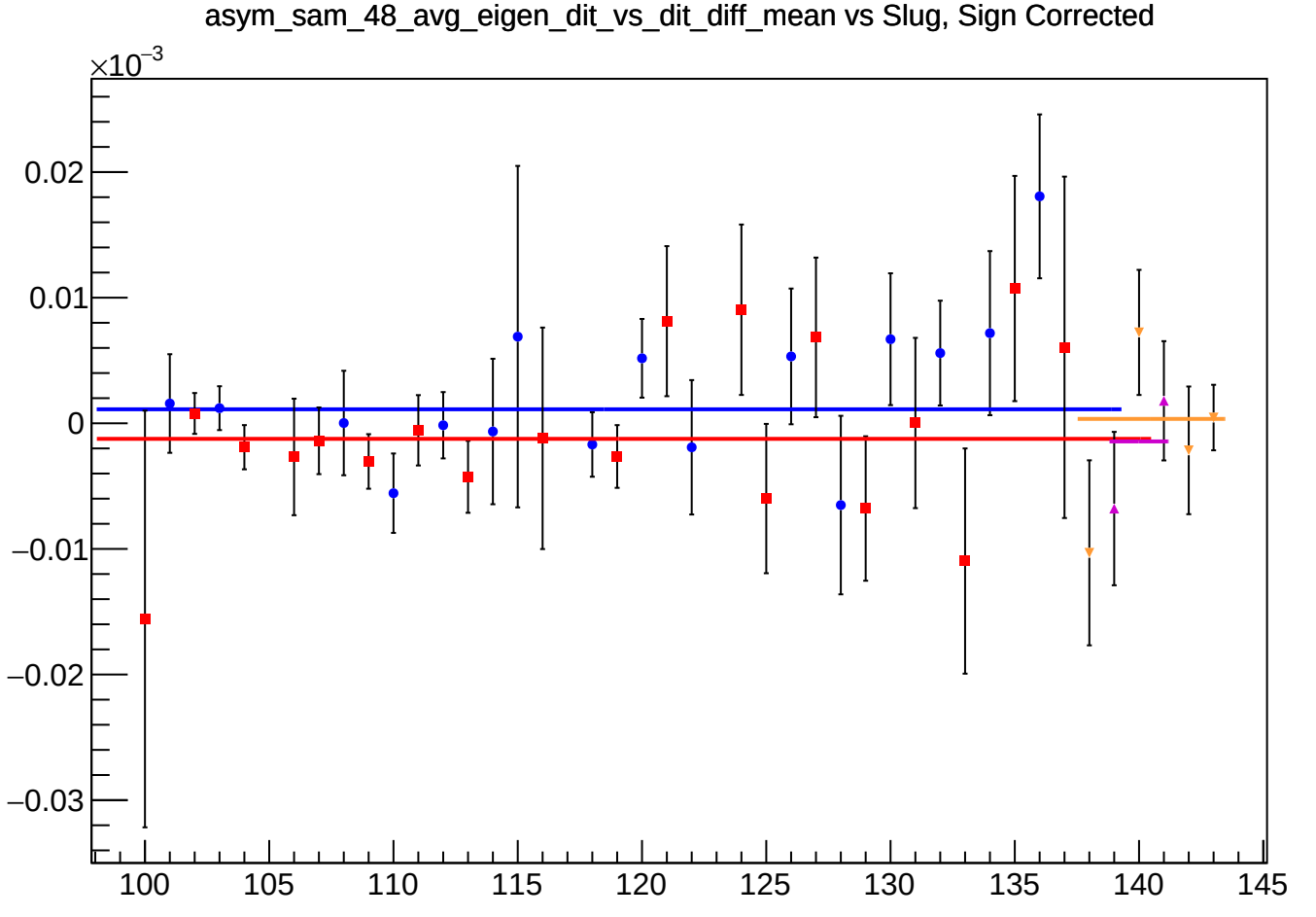
Left: 86.001+/-0.029 χ^2/NDF: 229679.9/5

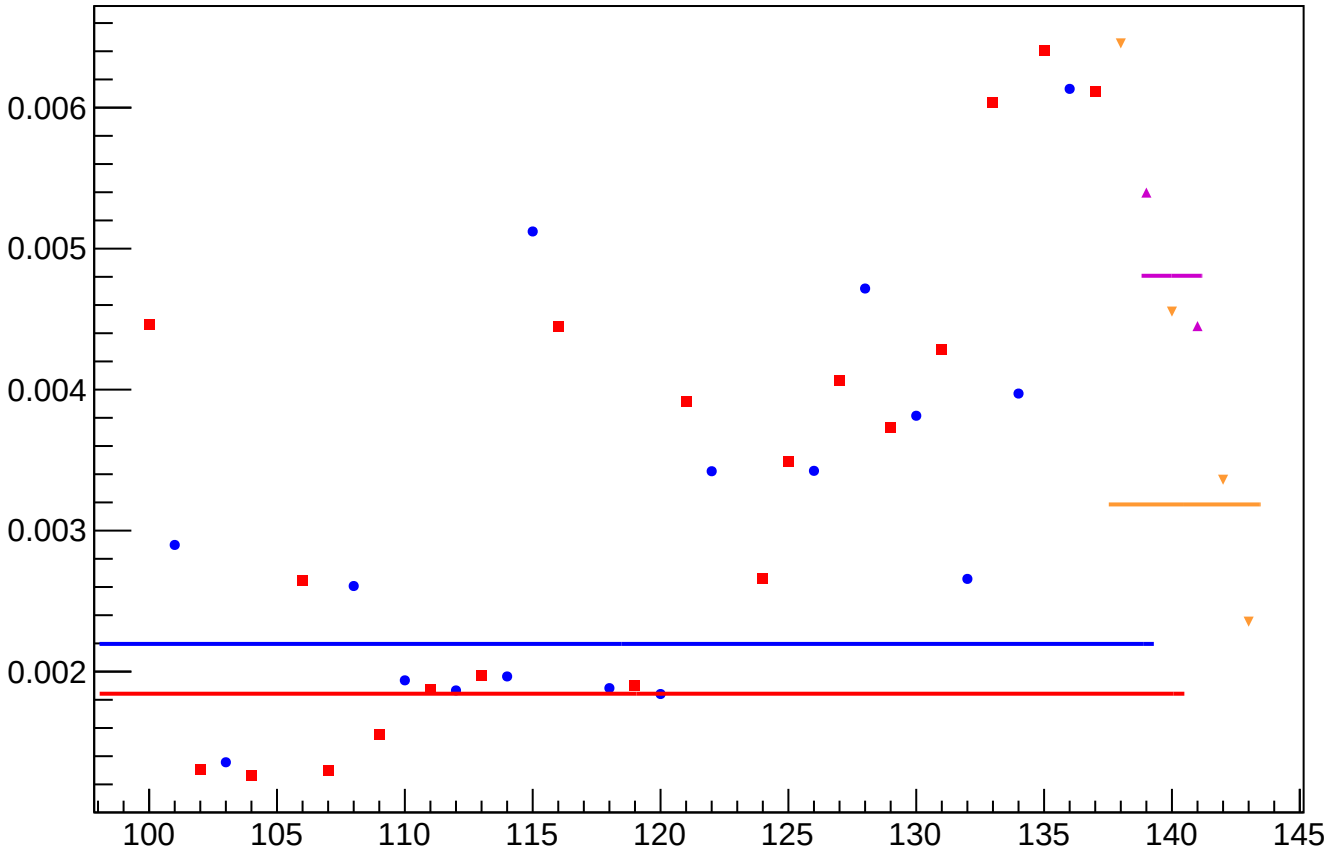
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 44.025+/-0.012 χ^2/NDF:3604024.3/17

Out: 48.206+/-0.012 χ^2/NDF:3558992.3/22

All: 46.107+/-0.009 χ^2/NDF: 7222924.2/40


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4.3/3
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:1.2/1
Left: -0.000+/-0.000 χ²/NDF: 5.7/5
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:21.6/17
Out: -0.000+/-0.000 χ²/NDF:20.7/22
All: -0.000+/-0.000 χ²/NDF: 45.4/40



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:750771.6/3

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: 0.004+/-0.000 χ^2/NDF: 1070793.1/5

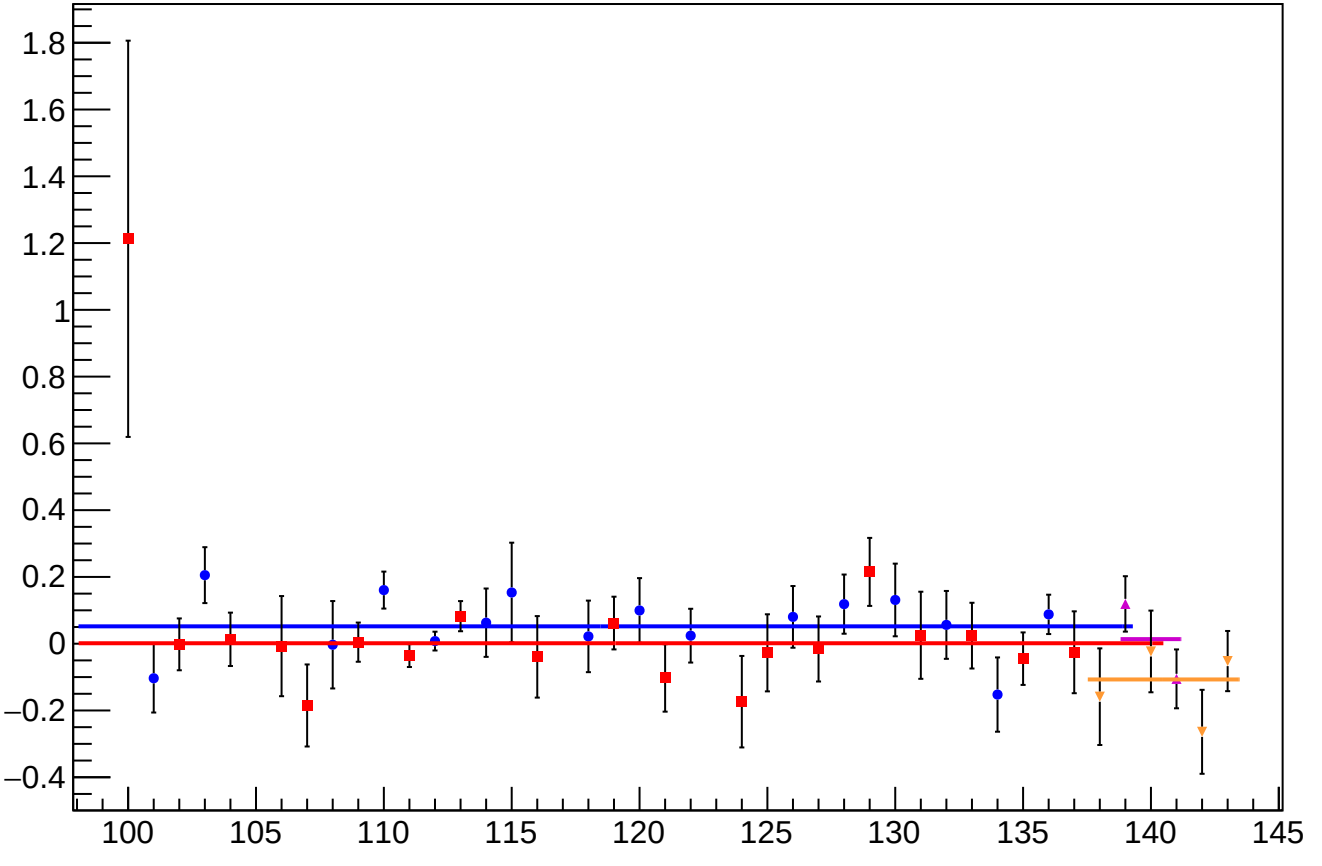
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3239726.1/17

Out: 0.002+/-0.000 χ^2/NDF:4659557.5/22

All: 0.002+/-0.000 χ^2/NDF: 8068562.4/40

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: -0.107+/-0.058 χ^2/NDF:2.5/3

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: -0.050+/-0.042 χ^2/NDF: 8.1/5

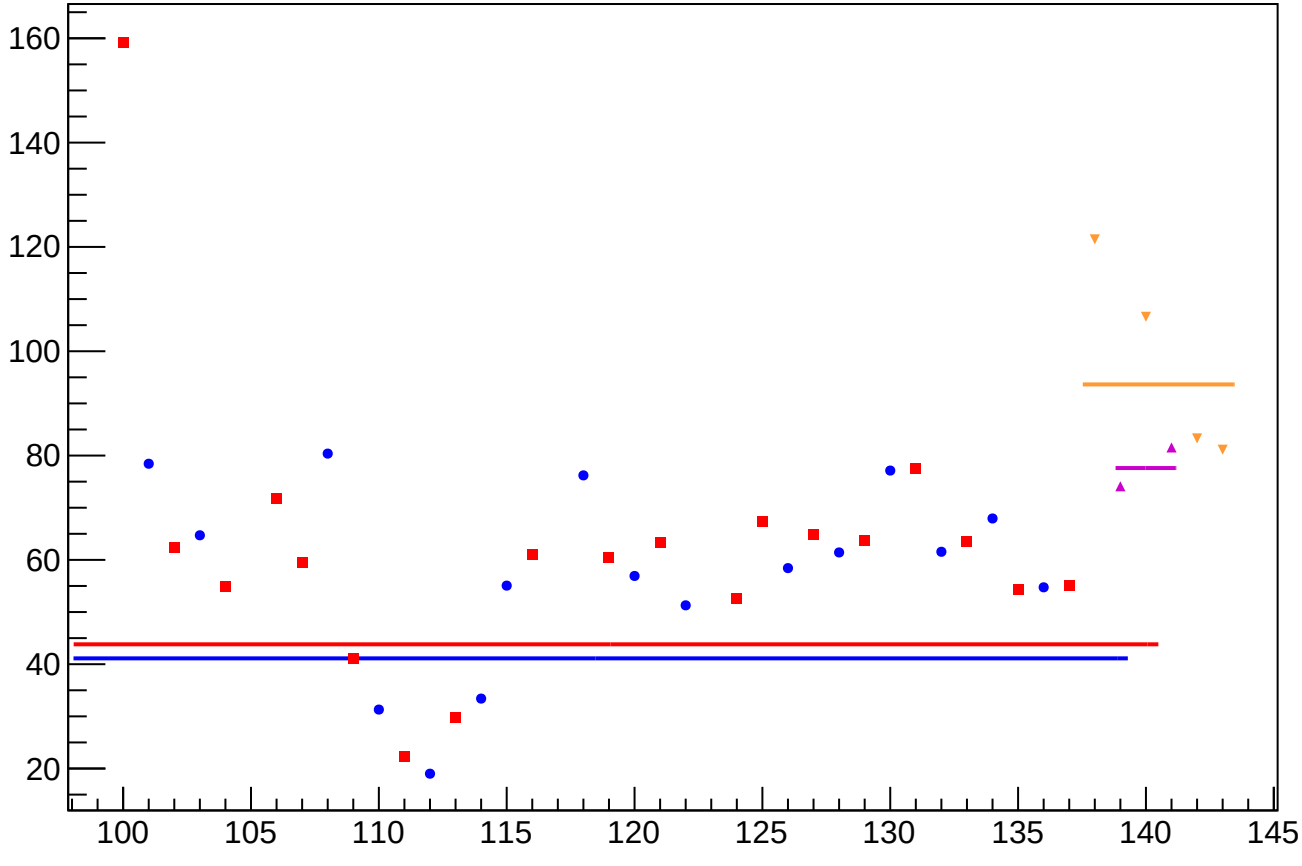
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.021+/-0.012 χ^2/NDF: 52.4/40

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 93.639+/-0.041 χ^2/NDF:148459.6/3

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: 86.001+/-0.029 χ^2/NDF: 229679.4/5

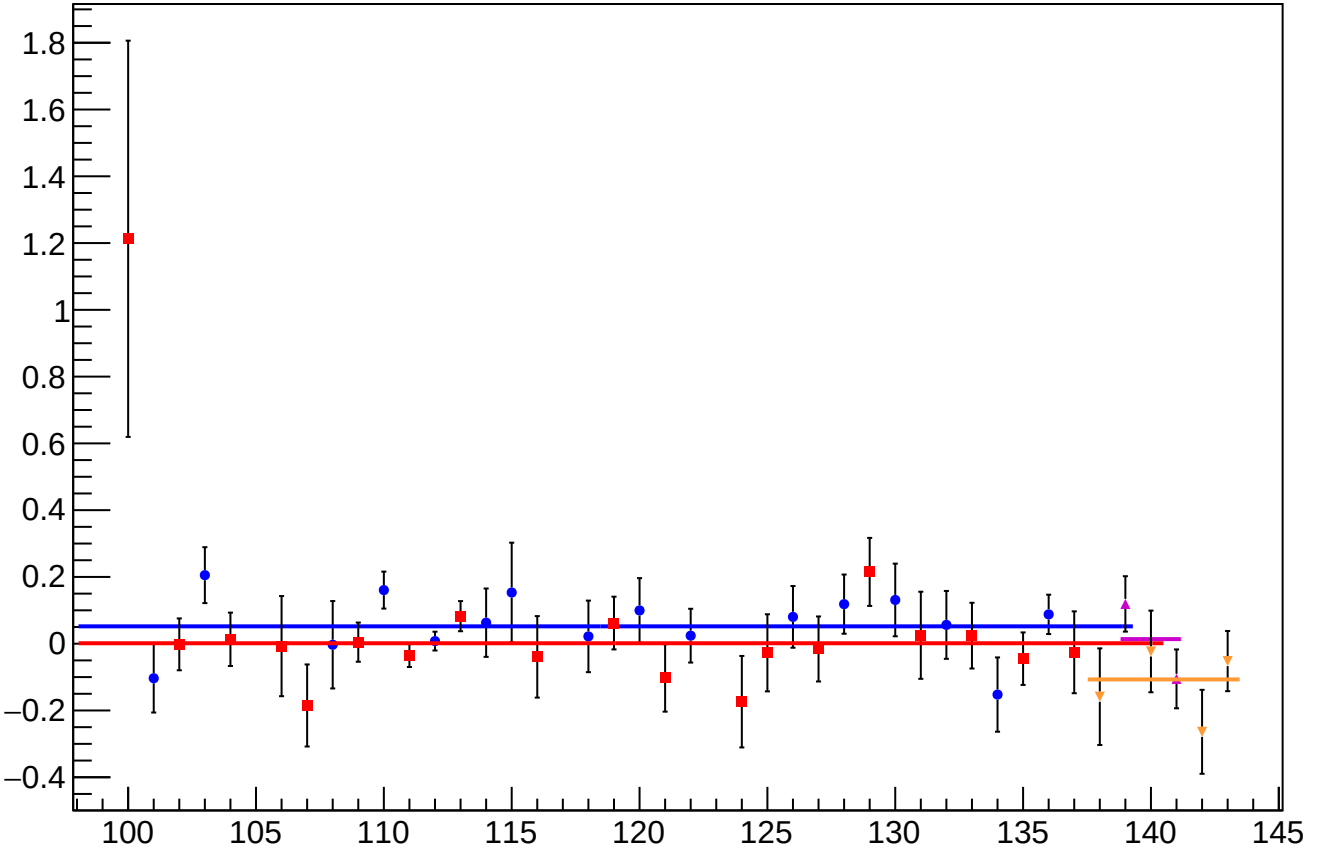
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 44.024+/-0.012 χ^2/NDF:3604219.8/17

Out: 48.206+/-0.012 χ^2/NDF:3559227.5/22

All: 46.106+/-0.009 χ^2/NDF: 7223356.8/40

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: -0.107+/-0.058 χ^2/NDF:2.5/3

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: -0.050+/-0.042 χ^2/NDF: 8.1/5

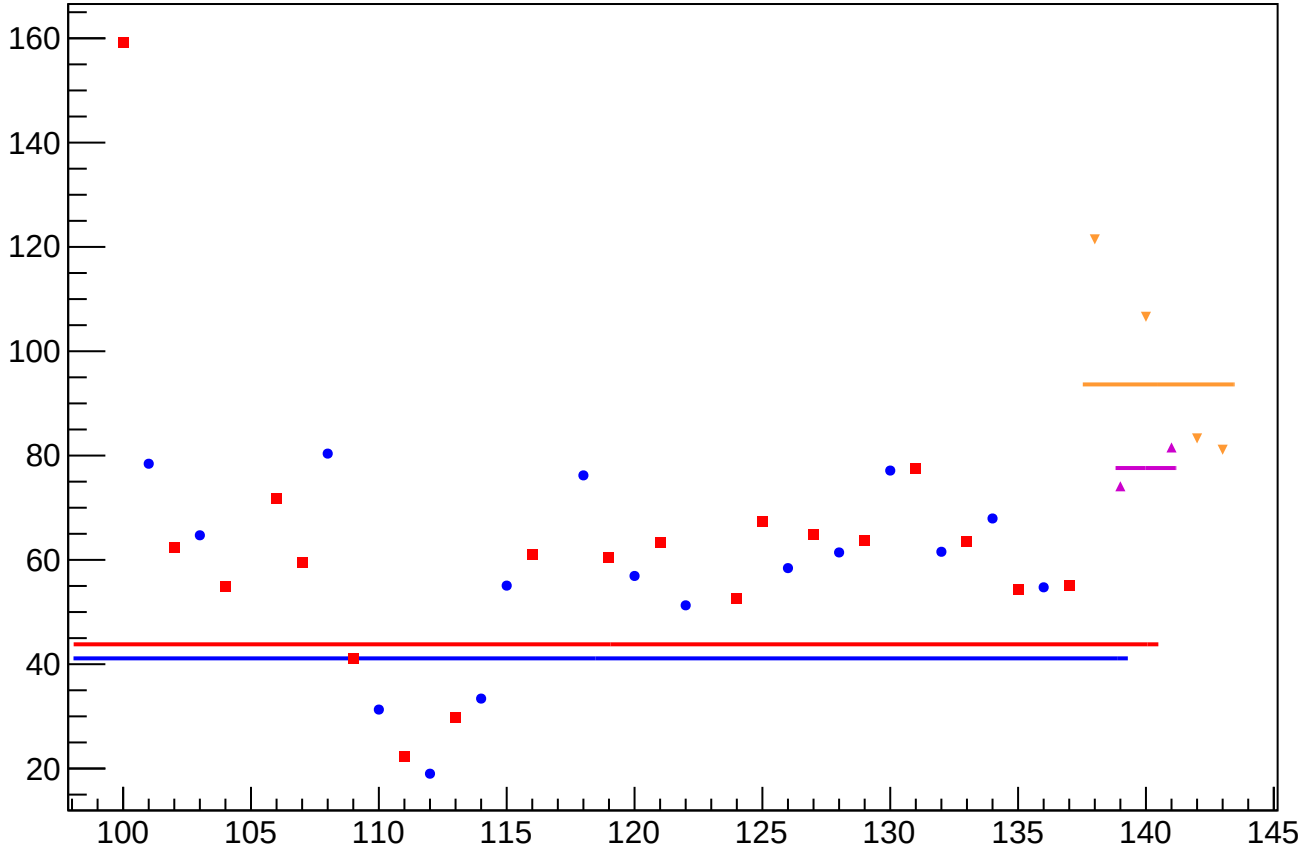
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.017 χ^2/NDF:21.8/17

Out: -0.008+/-0.017 χ^2/NDF:25.0/22

All: 0.021+/-0.012 χ^2/NDF: 52.4/40

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: 93.639+/-0.041 χ^2/NDF:148459.6/3

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 77.610+/-0.043 χ^2/NDF:7558.9/1

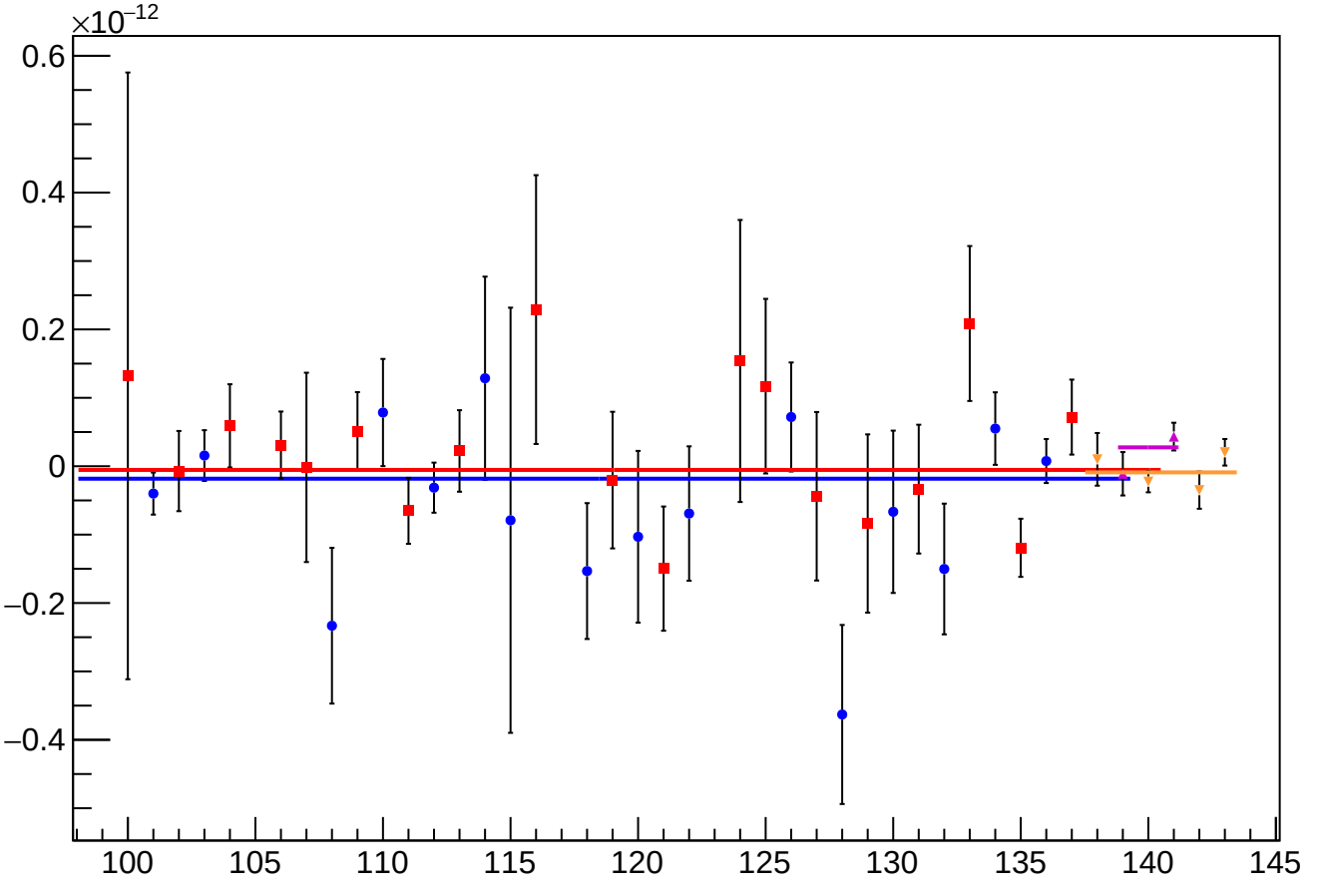
Left: 86.001+/-0.029 χ^2/NDF: 229679.4/5

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 44.024+/-0.012 χ^2/NDF:3604219.8/17

Out: 48.206+/-0.012 χ^2/NDF:3559227.5/22

All: 46.106+/-0.009 χ^2/NDF: 7223356.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/1

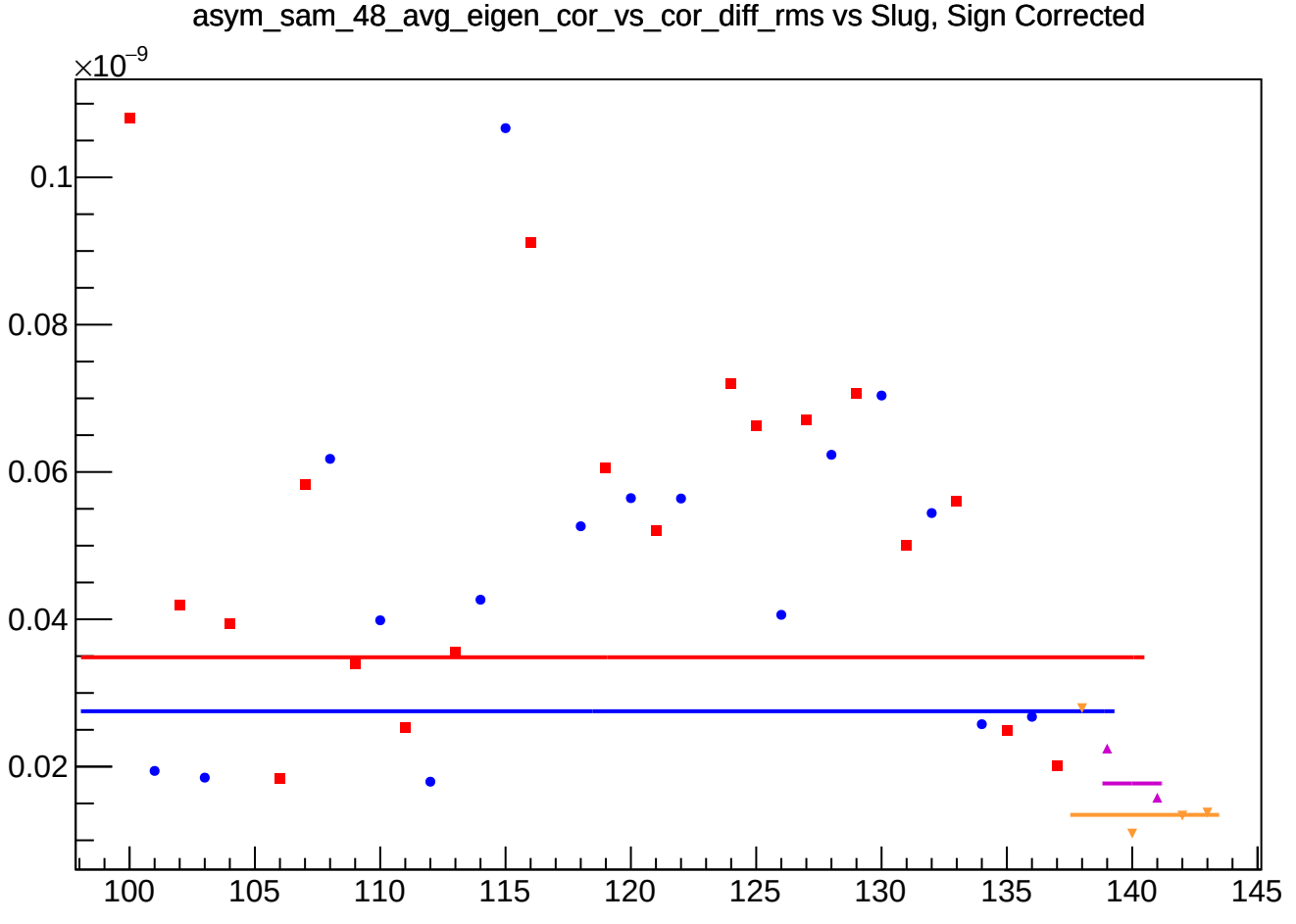
Left: 0.000+/-0.000 χ^2/NDF: 9.6/5

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:27.5/22

All: -0.000+/-0.000 χ^2/NDF: 57.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:336142.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:62883.6/1

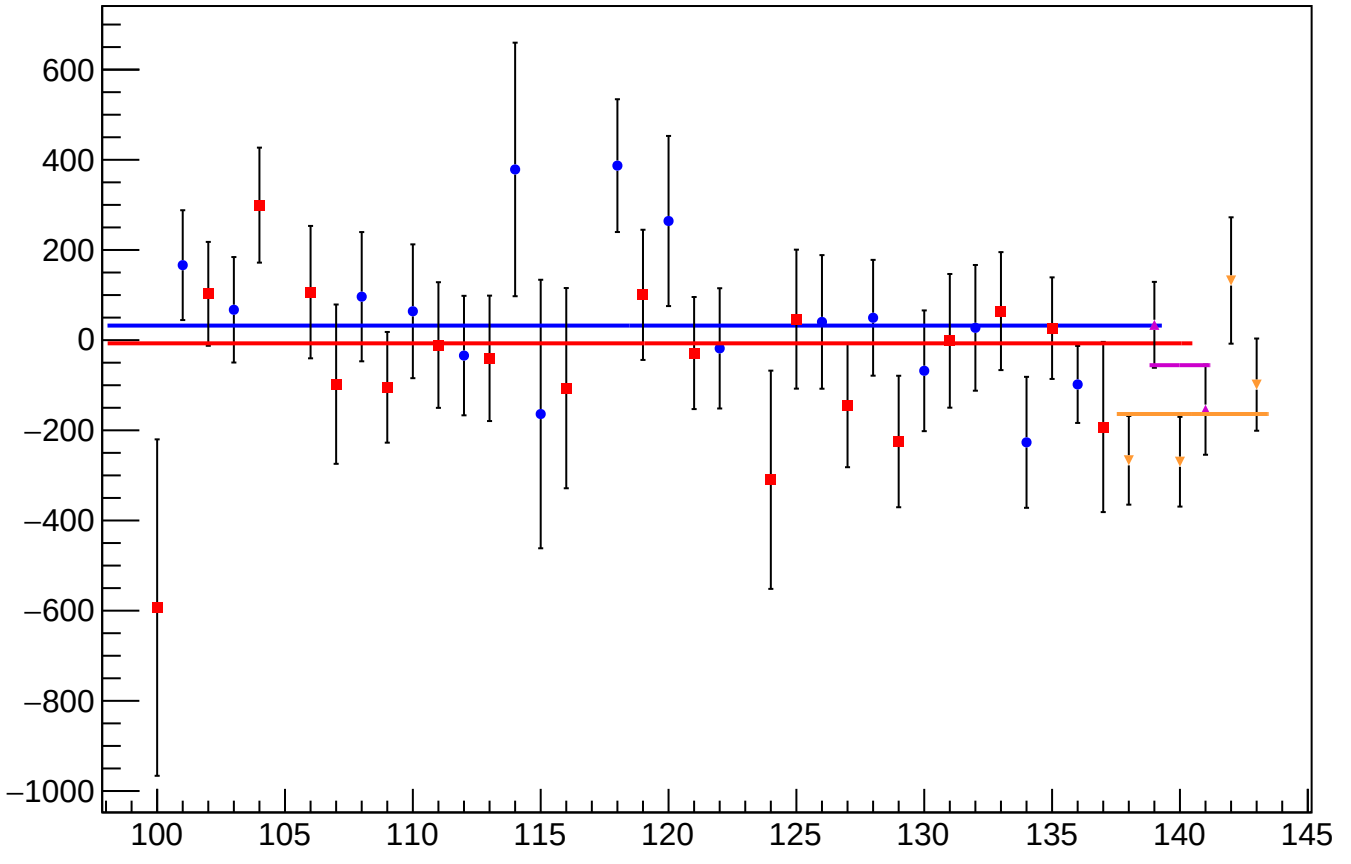
Left: 0.000+/-0.000 χ^2/NDF: 488864.2/5

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:4346088.3/22

All: 0.000+/-0.000 χ^2/NDF: 6735743.1/40



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.798+/-53.386 χ^2/NDF:7.1/3

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -55.523+/-68.969 χ^2/NDF:1.9/1

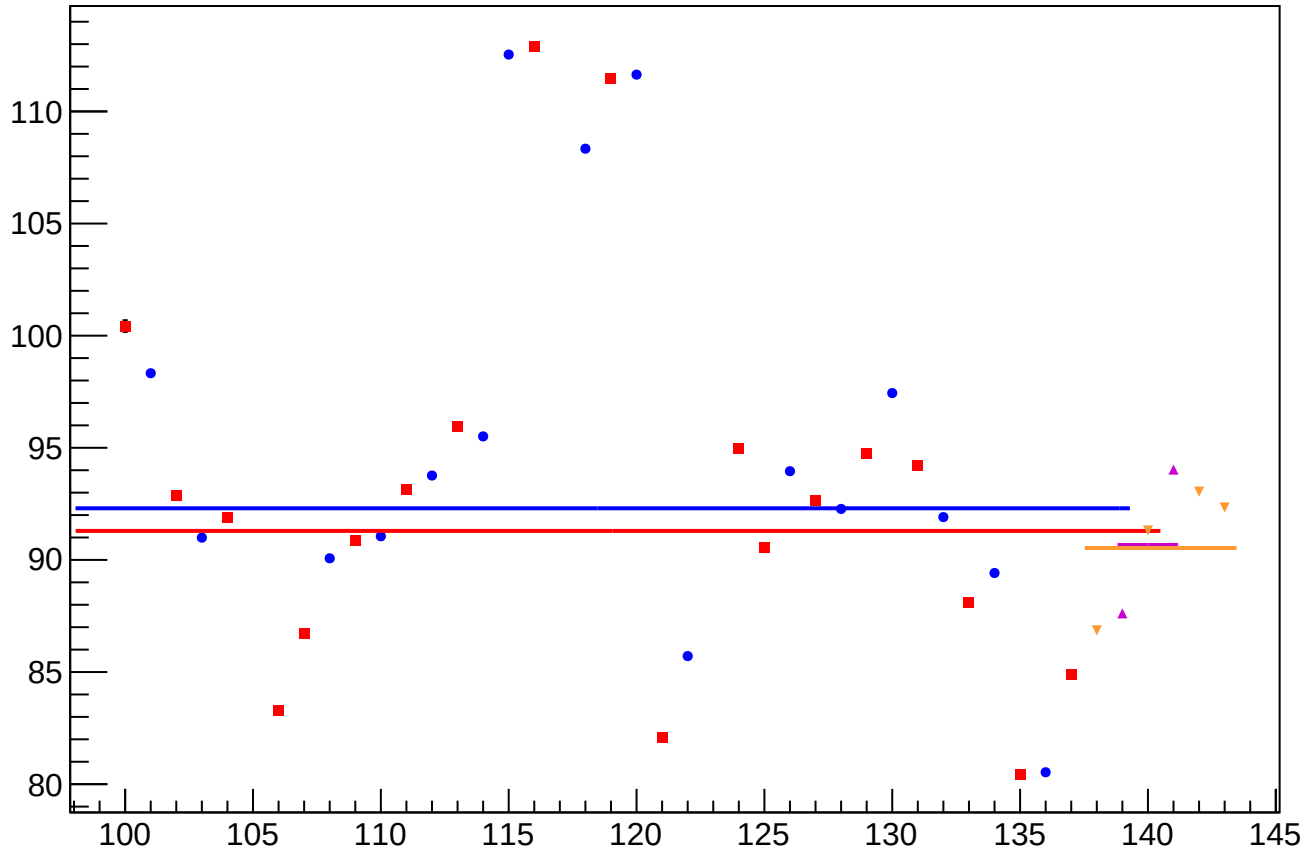
Left: -123.230+/-42.216 χ^2/NDF: 10.5/5

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: 14.779+/-30.804 χ^2/NDF:20.5/17

Out: -51.197+/-28.327 χ^2/NDF:31.1/22

All: -20.968+/-20.851 χ^2/NDF: 54.0/40



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

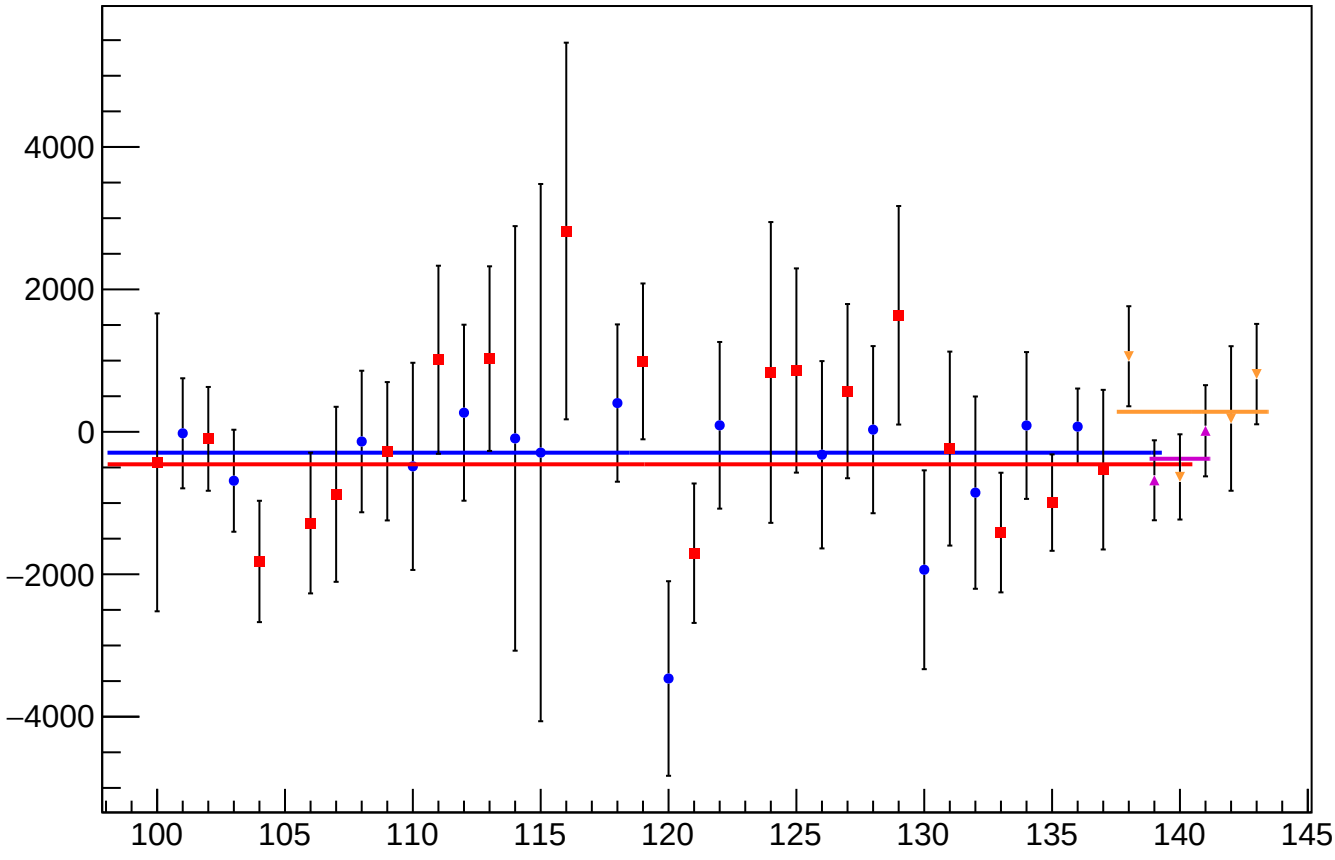
Left: 90.583+/-0.030 χ^2/NDF: 8501.4/5

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 91.976+/-0.022 χ^2/NDF:112280.1/17

Out: 91.079+/-0.020 χ^2/NDF:109572.2/22

All: 91.490+/-0.015 χ^2/NDF: 222770.8/40



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.729+/-358.012 χ^2/NDF:4.1/3

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -377.944+/-422.177 χ^2/NDF:0.7/1

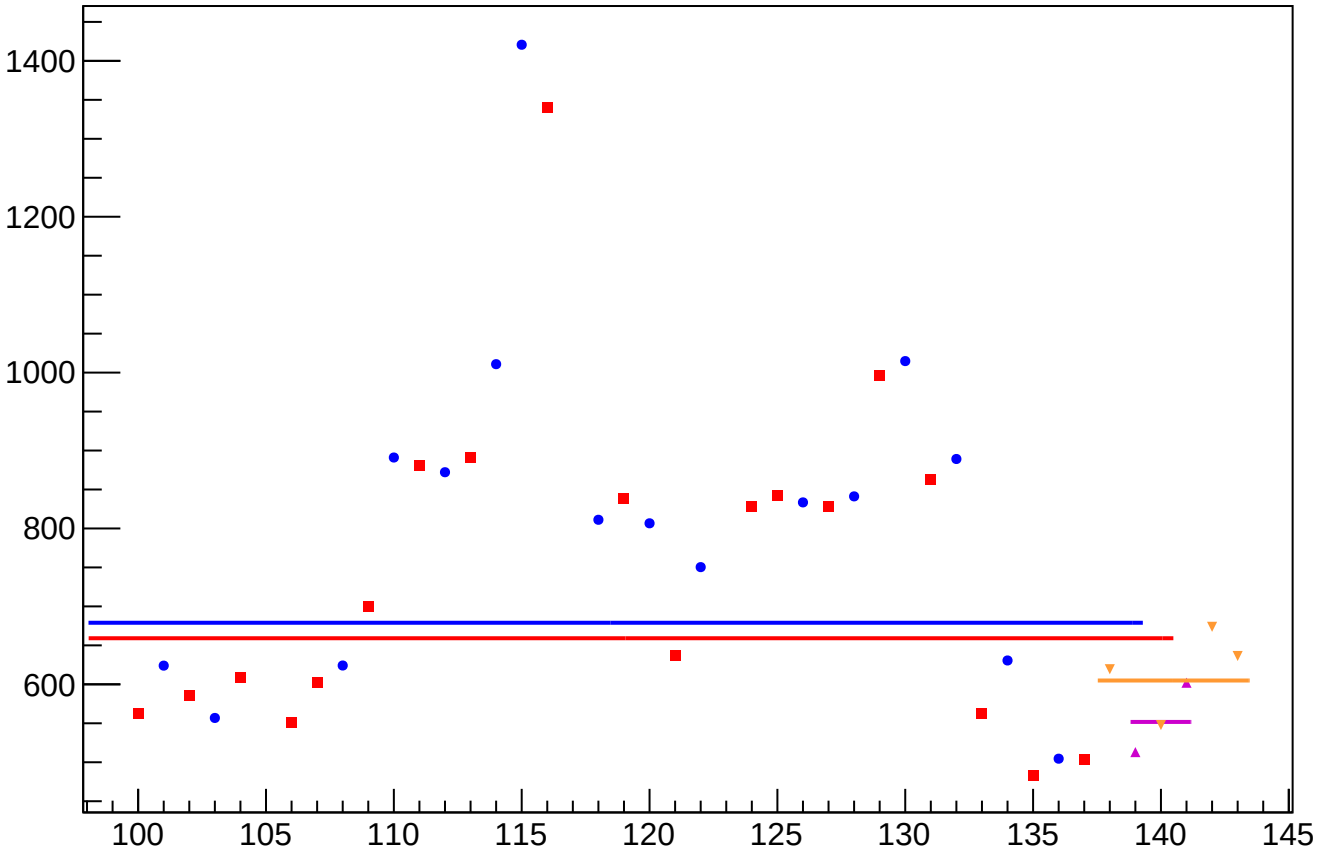
Left: 5.781+/-273.051 χ^2/NDF: 6.2/5

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -316.141+/-221.195 χ^2/NDF:9.5/17

Out: -215.738+/-204.262 χ^2/NDF:23.9/22

All: -261.950+/-150.065 χ^2/NDF: 33.5/40



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.5/3

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 551.739+/-0.299 χ^2/NDF:21856.8/1

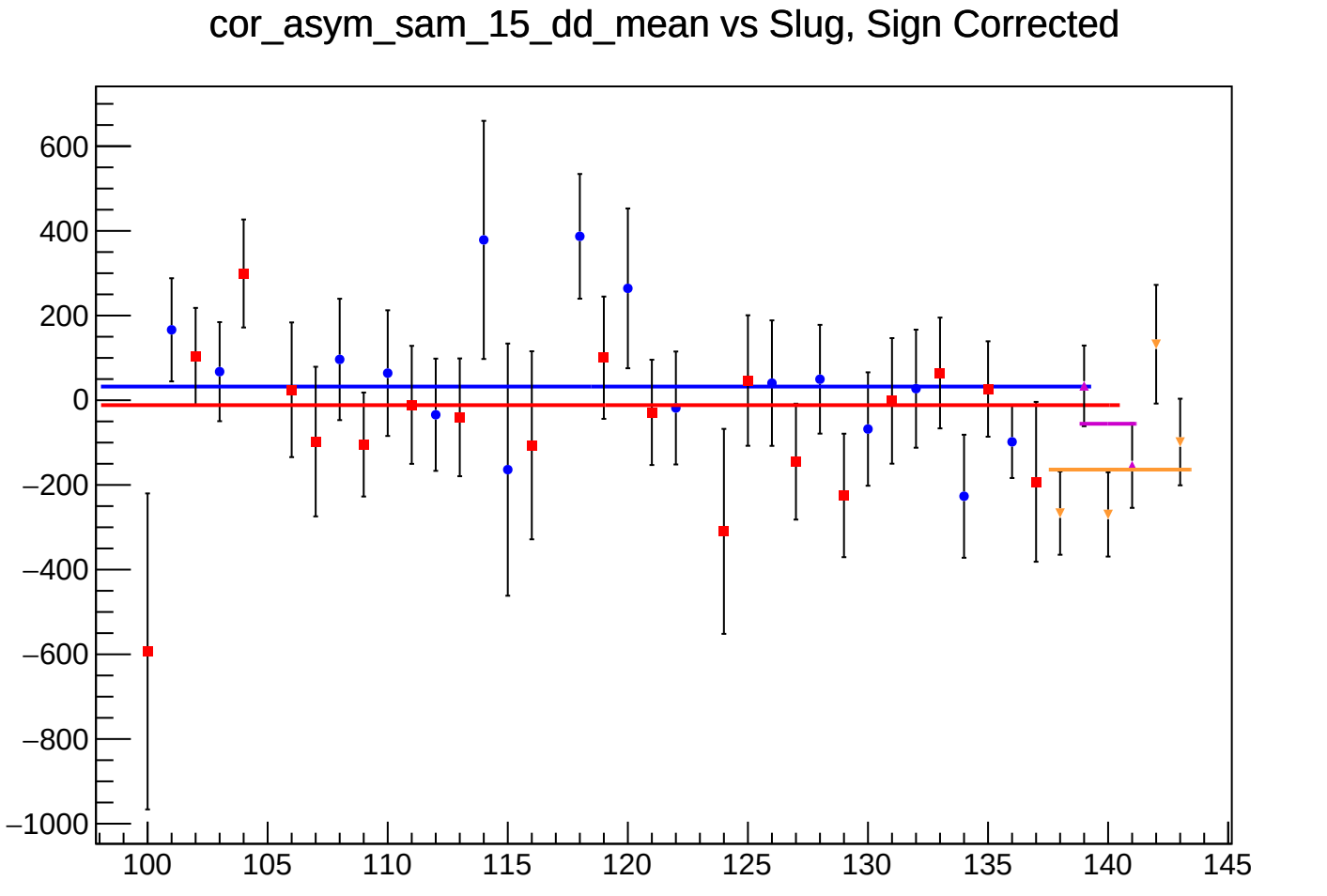
Left: 582.659+/-0.193 χ^2/NDF: 72574.7/5

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 644.068+/-0.156 χ^2/NDF:921691.8/17

Out: 641.477+/-0.144 χ^2/NDF:859113.3/22

All: 642.670+/-0.106 χ^2/NDF: 1780953.0/40



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.796+/-53.386 χ^2/NDF:7.1/3

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -55.526+/-68.969 χ^2/NDF:1.9/1

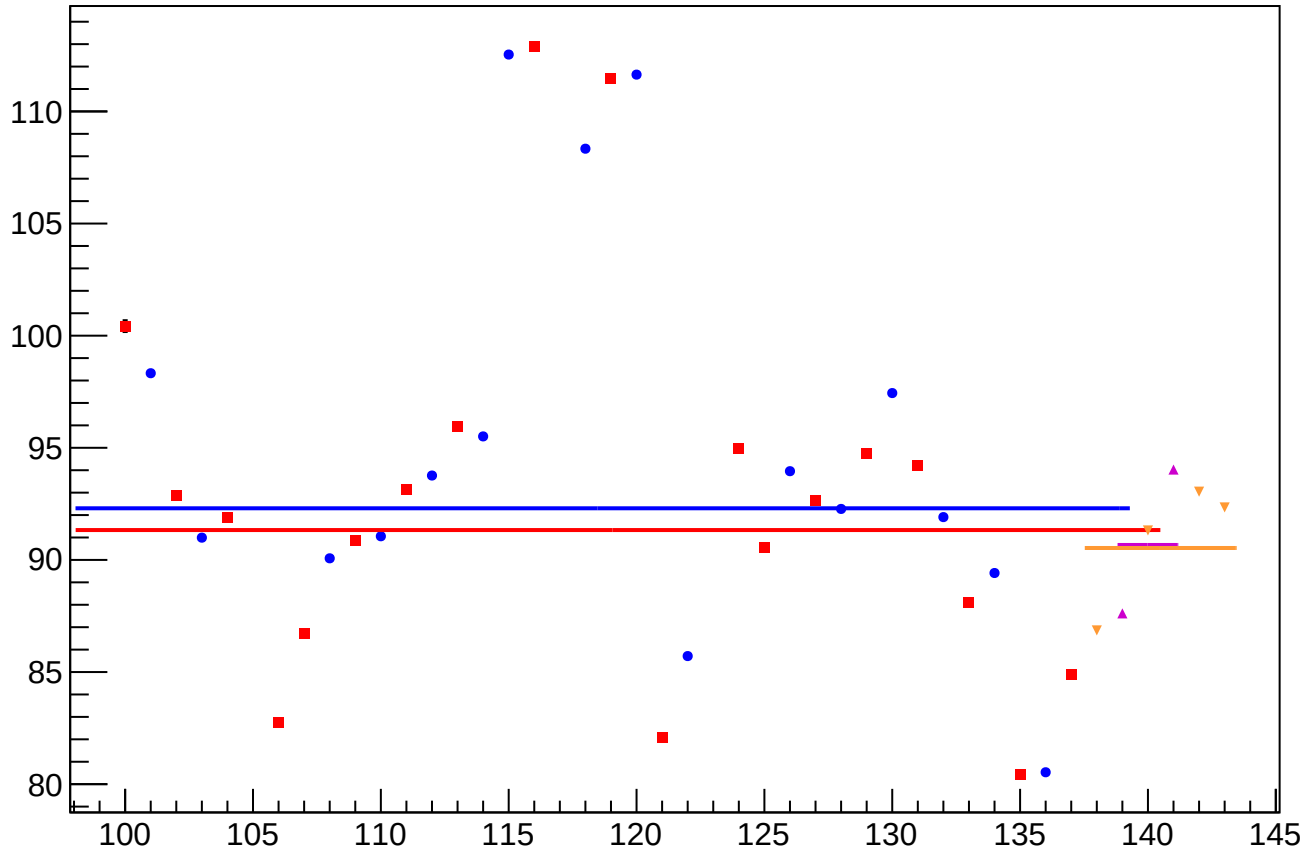
Left: -123.230+/-42.216 χ^2/NDF: 10.5/5

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: 14.790+/-30.804 χ^2/NDF:20.5/17

Out: -54.670+/-28.405 χ^2/NDF:30.1/22

All: -22.749+/-20.882 χ^2/NDF: 53.3/40



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

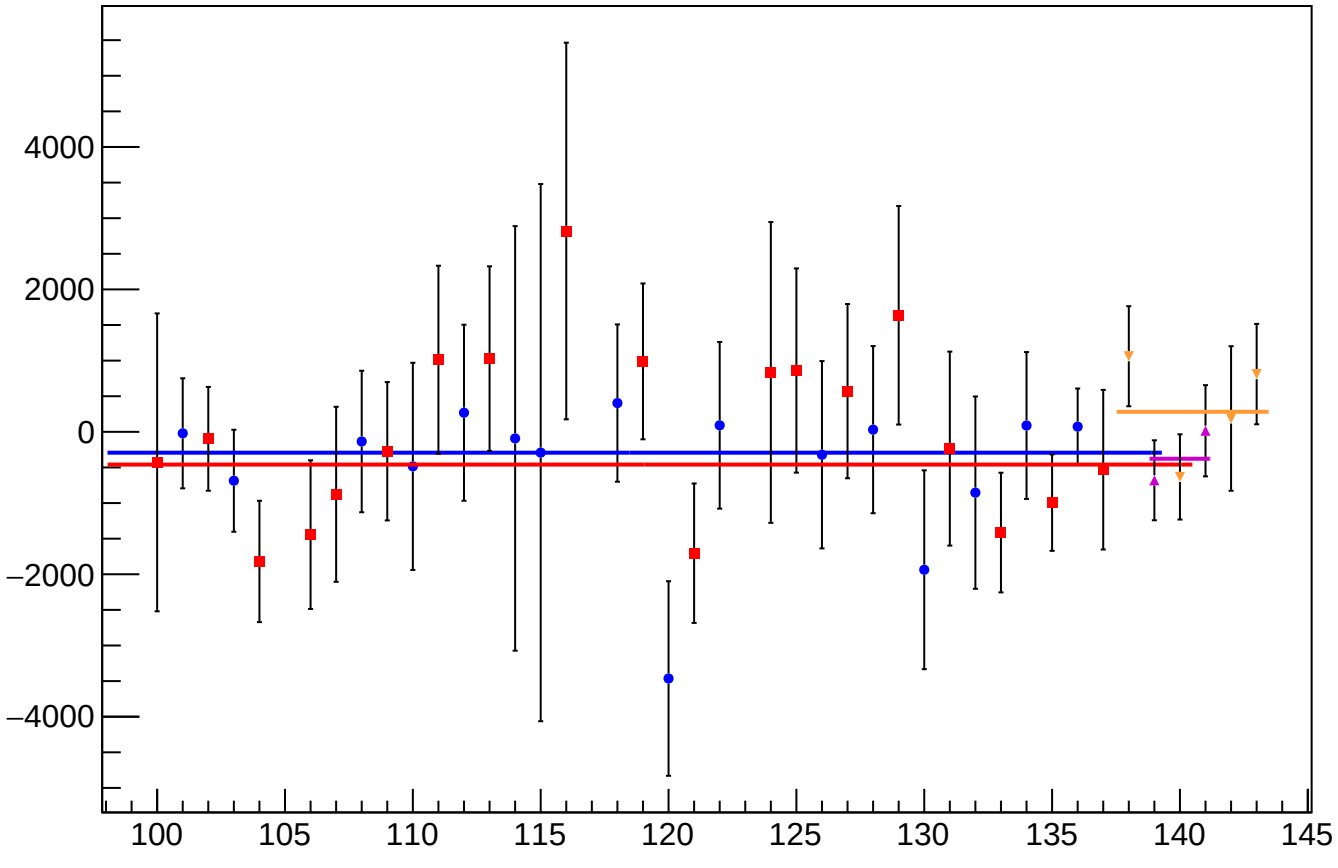
Left: 90.583+/-0.030 χ^2/NDF: 8501.4/5

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.976+/-0.022 χ^2/NDF:112280.1/17

Out: 91.106+/-0.020 χ^2/NDF:109423.4/22

All: 91.506+/-0.015 χ^2/NDF: 222566.7/40



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.726+/-358.012 χ^2/NDF:4.1/3

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -377.941+/-422.177 χ^2/NDF:0.7/1

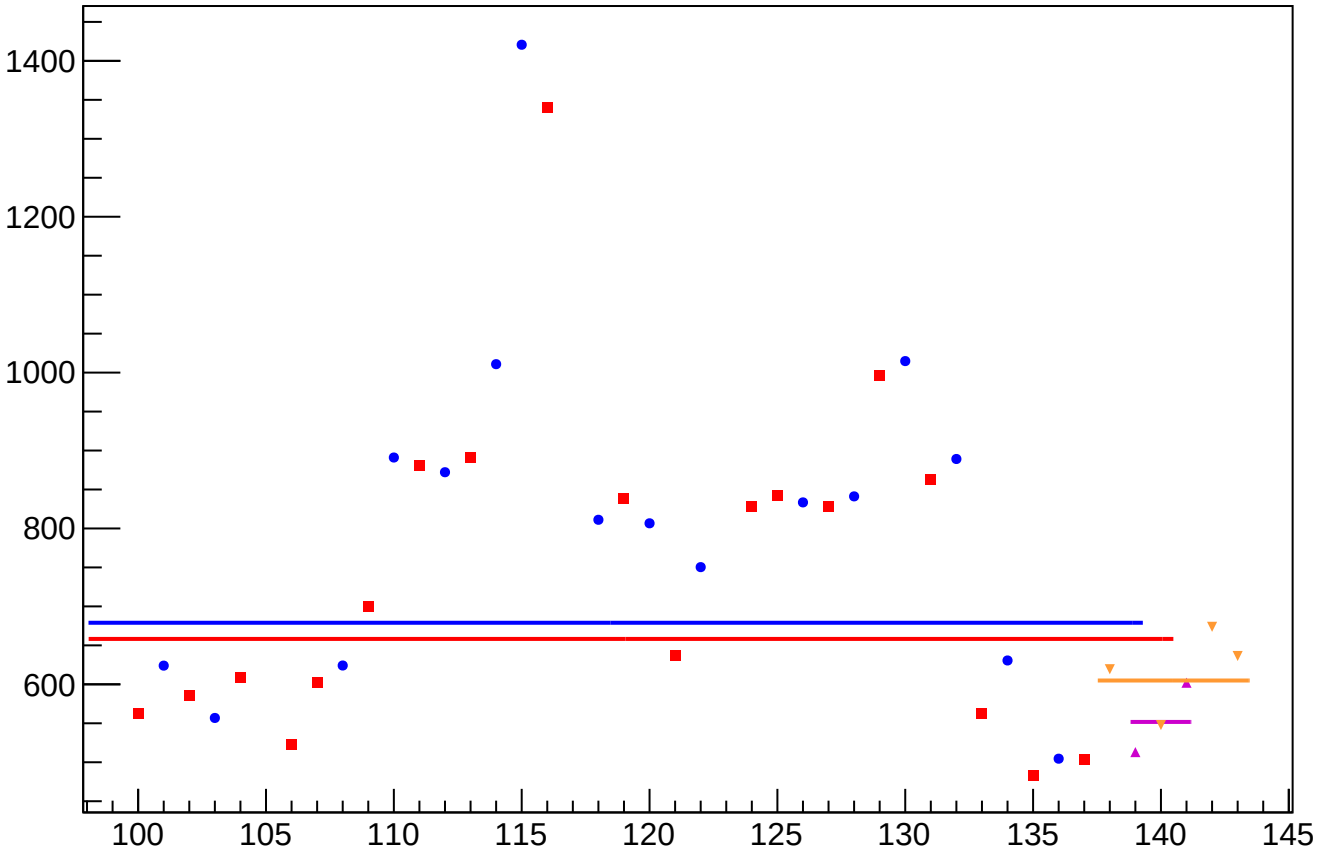
Left: 5.780+/-273.051 χ^2/NDF: 6.2/5

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -316.138+/-221.194 χ^2/NDF:9.5/17

Out: -217.198+/-204.719 χ^2/NDF:24.1/22

All: -262.846+/-150.246 χ^2/NDF: 33.7/40



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.6/3

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 551.739+/-0.299 χ^2/NDF:21856.7/1

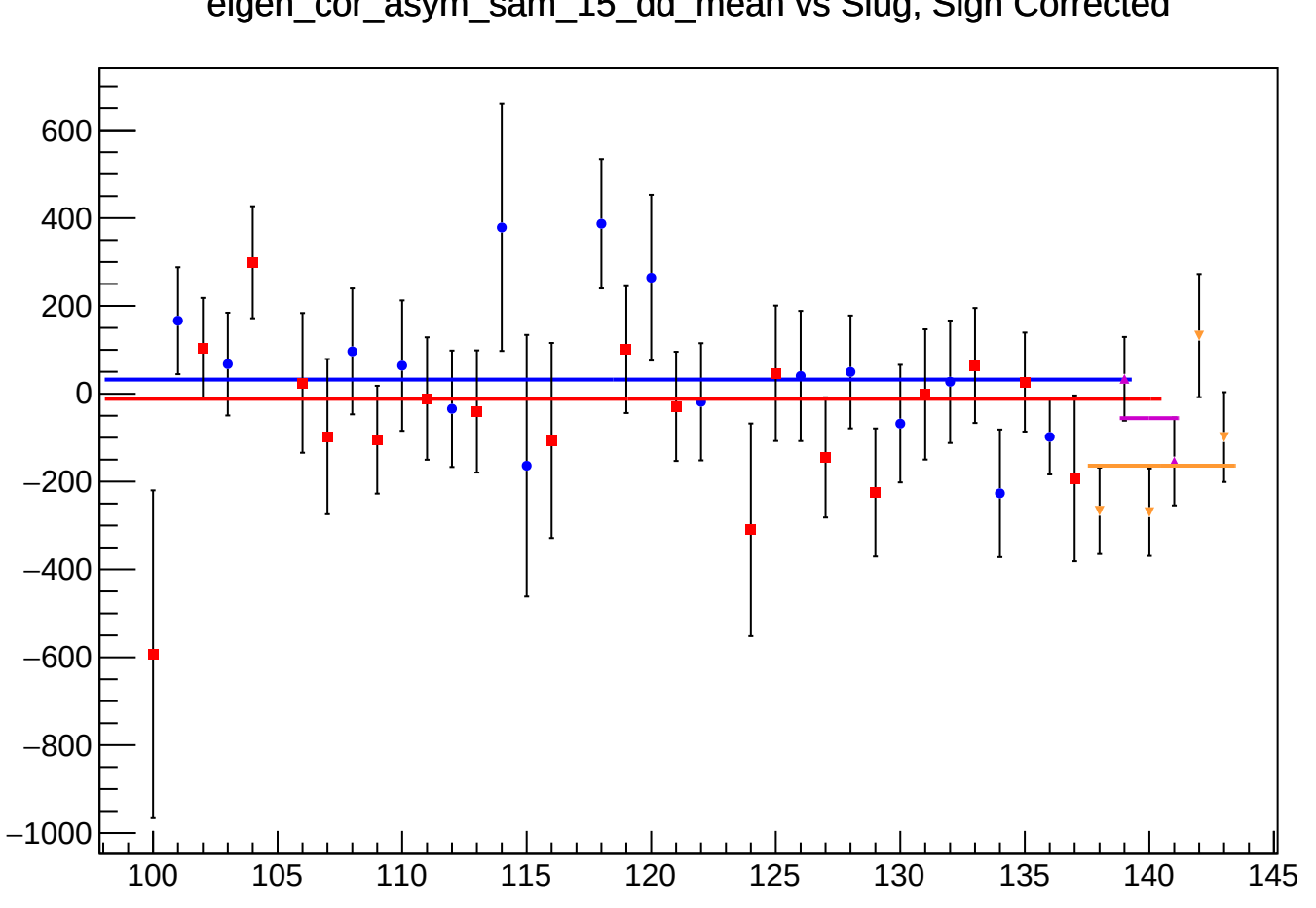
Left: 582.659+/-0.193 χ^2/NDF: 72574.7/5

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.067+/-0.156 χ^2/NDF:921693.3/17

Out: 640.812+/-0.145 χ^2/NDF:868082.1/22

All: 642.314+/-0.106 χ^2/NDF: 1790008.8/40



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -163.796+/-53.386 χ^2/NDF:7.1/3

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -55.526+/-68.969 χ^2/NDF:1.9/1

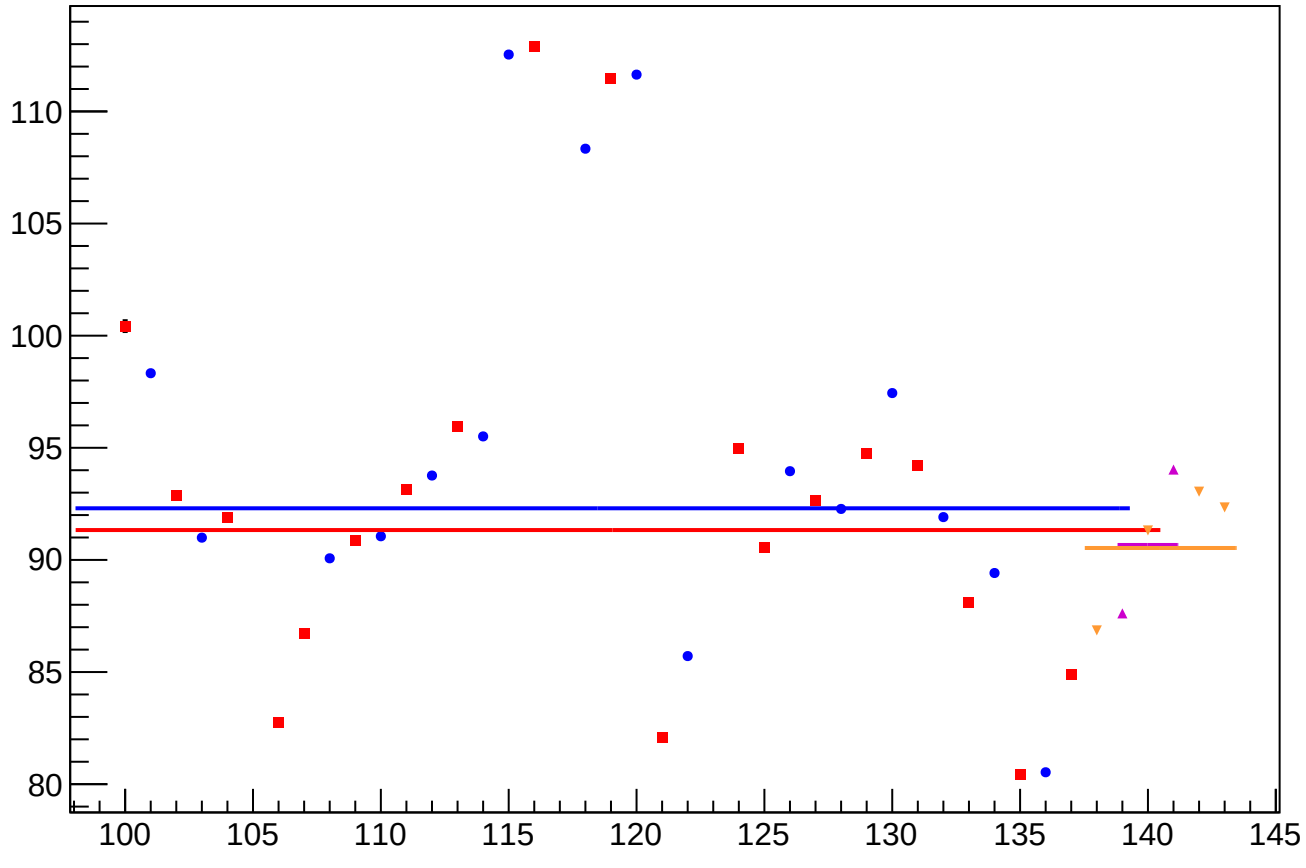
Left: -123.230+/-42.216 χ^2/NDF: 10.5/5

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: 14.790+/-30.804 χ^2/NDF:20.5/17

Out: -54.670+/-28.405 χ^2/NDF:30.1/22

All: -22.749+/-20.882 χ^2/NDF: 53.3/40



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 90.532+/-0.038 χ^2/NDF:4183.3/3

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 90.667+/-0.049 χ^2/NDF:4313.4/1

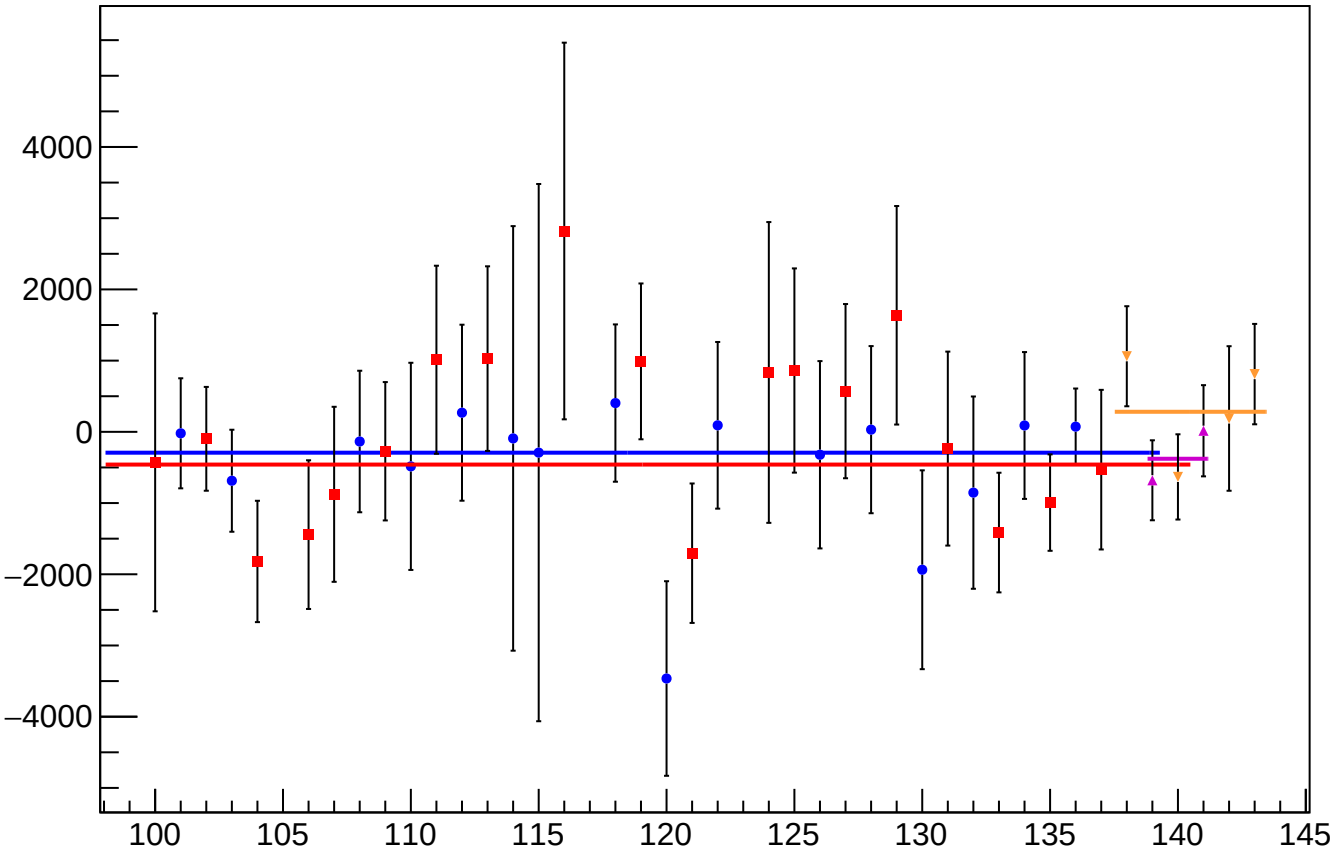
Left: 90.583+/-0.030 χ^2/NDF: 8501.4/5

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 91.976+/-0.022 χ^2/NDF:112280.1/17

Out: 91.106+/-0.020 χ^2/NDF:109423.4/22

All: 91.506+/-0.015 χ^2/NDF: 222566.7/40



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 281.726+/-358.012 χ^2/NDF:4.1/3

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: 5.780+/-273.051 χ^2/NDF: 6.2/5

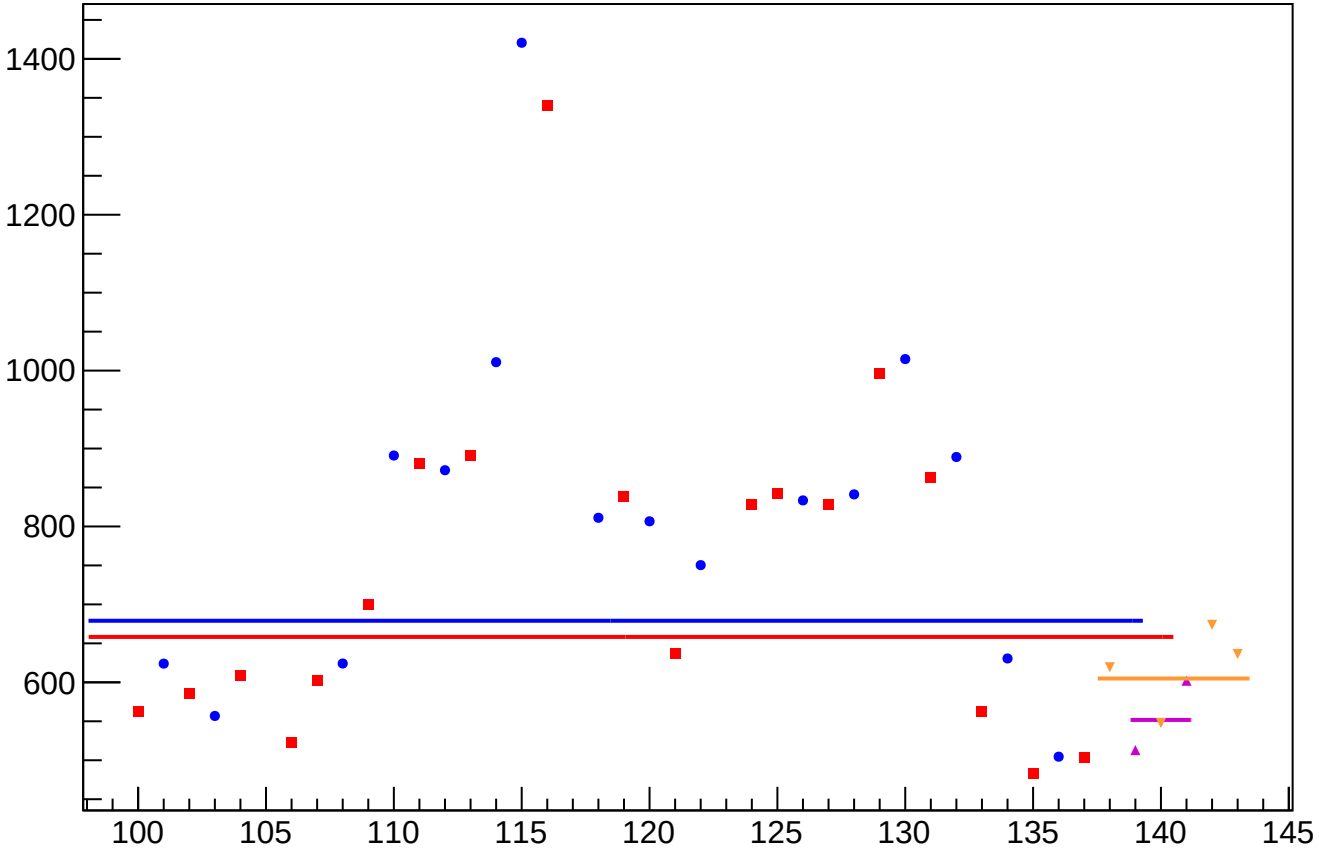
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -316.138+/-221.194 χ^2/NDF:9.5/17

Out: -217.198+/-204.719 χ^2/NDF:24.1/22

All: -262.846+/-150.246 χ^2/NDF: 33.7/40

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 604.895+/-0.253 χ^2/NDF:32274.6/3

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 551.739+/-0.299 χ^2/NDF:21856.7/1

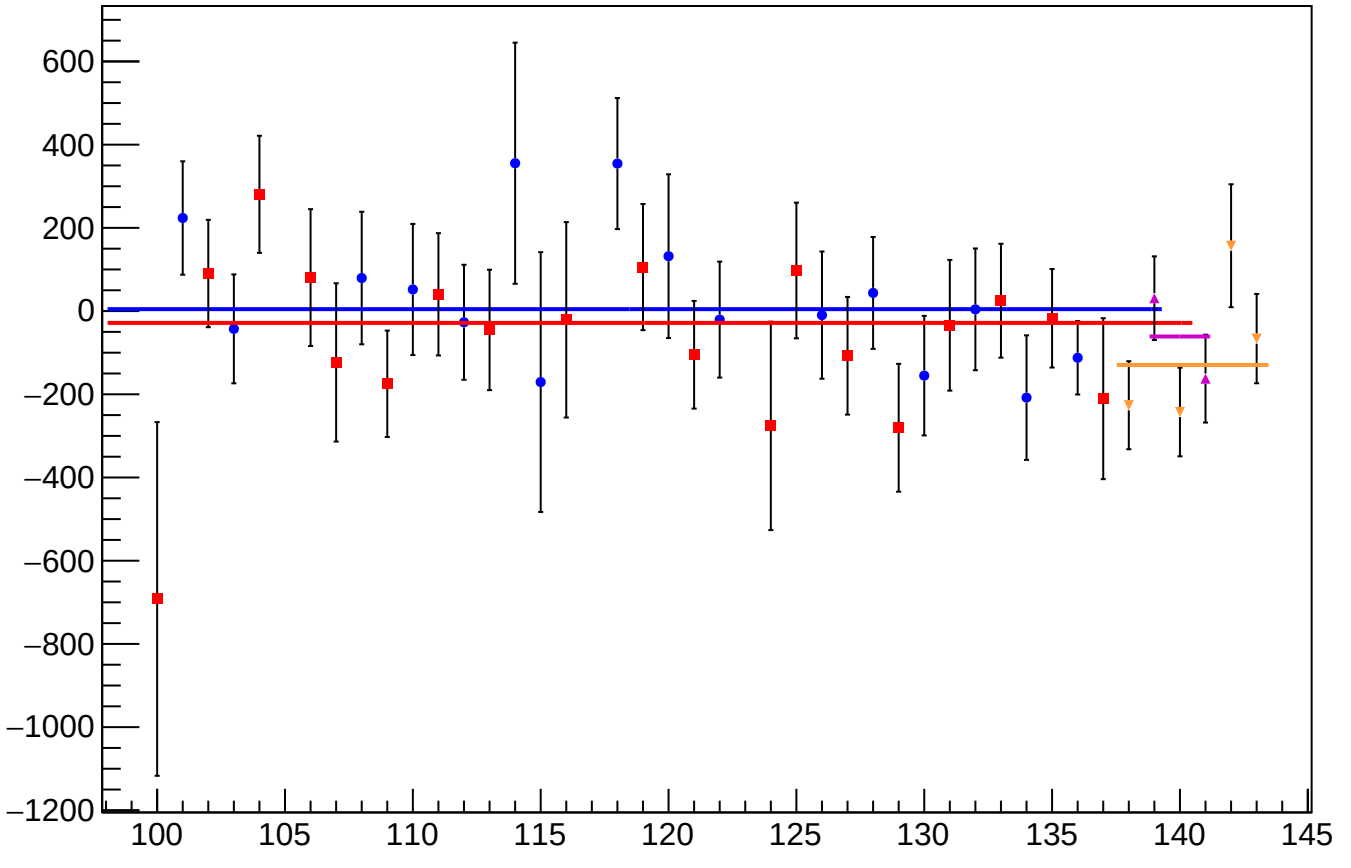
Left: 582.659+/-0.193 χ^2/NDF: 72574.7/5

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.067+/-0.156 χ^2/NDF:921693.3/17

Out: 640.812+/-0.145 χ^2/NDF:868082.1/22

All: 642.314+/-0.106 χ^2/NDF: 1790008.8/40



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -129.432+/-56.792 χ^2/NDF:6.1/3

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -61.067+/-72.818 χ^2/NDF:1.8/1

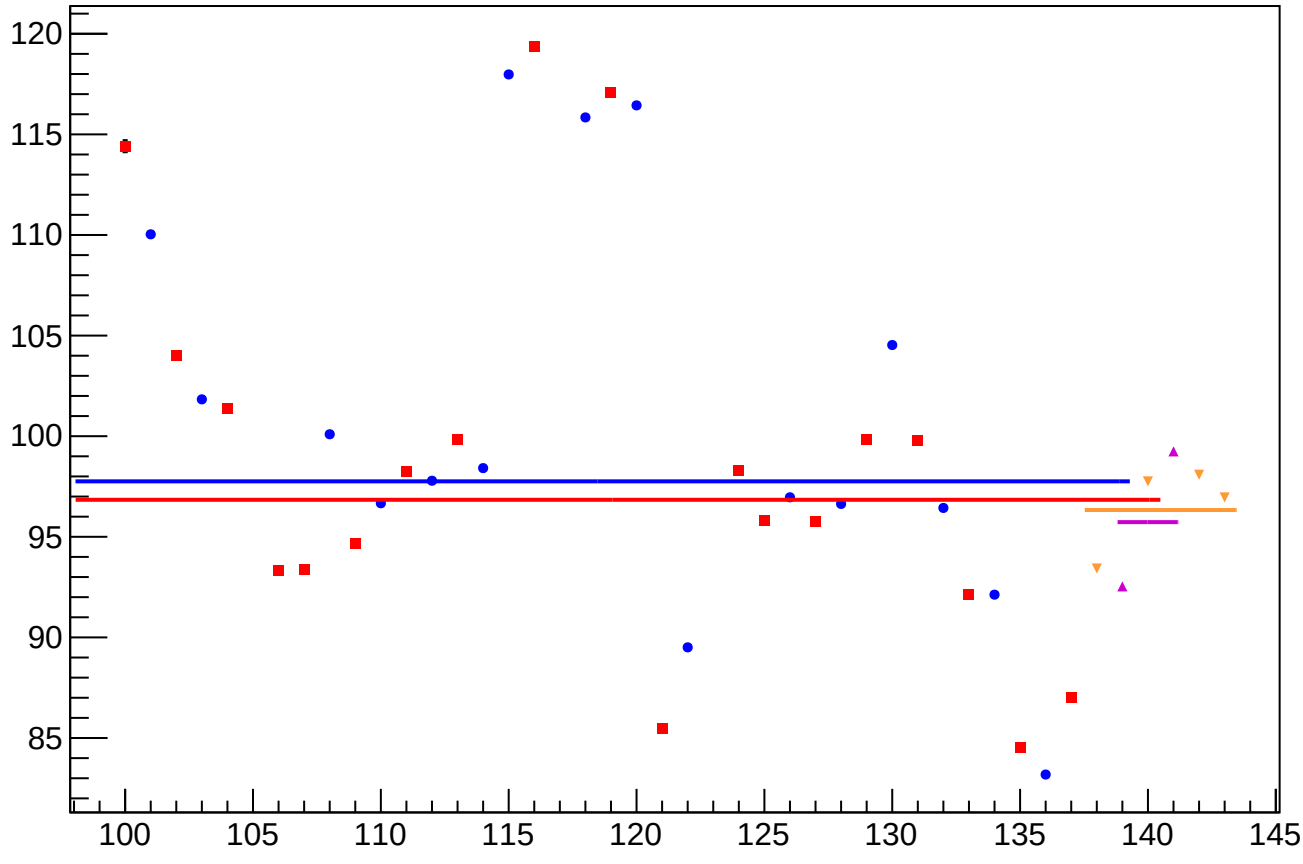
Left: -103.575+/-44.782 χ^2/NDF: 8.4/5

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -8.576+/-32.637 χ^2/NDF:17.8/17

Out: -56.750+/-30.081 χ^2/NDF:25.4/22

All: -34.623+/-22.119 χ^2/NDF: 44.4/40



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 96.332+/-0.040 χ^2/NDF:2216.0/3

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 95.729+/-0.051 χ^2/NDF:4236.5/1

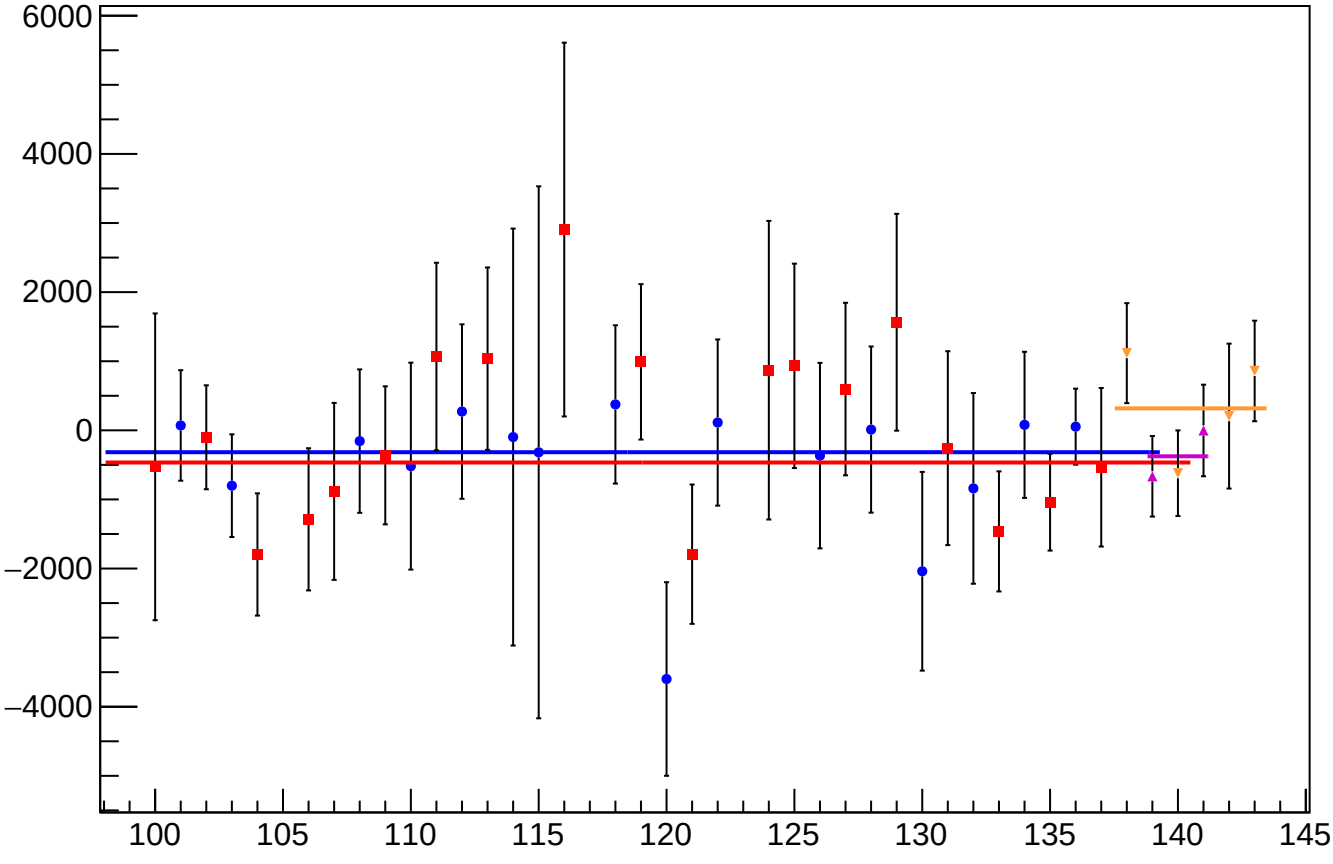
Left: 96.104+/-0.032 χ^2/NDF: 6537.7/5

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 97.349+/-0.023 χ^2/NDF:146129.0/17

Out: 96.697+/-0.021 χ^2/NDF:117501.9/22

All: 96.997+/-0.016 χ^2/NDF: 264061.9/40



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 318.035+/-369.702 χ^2/NDF:4.1/3

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -375.742+/-437.774 χ^2/NDF:0.6/1

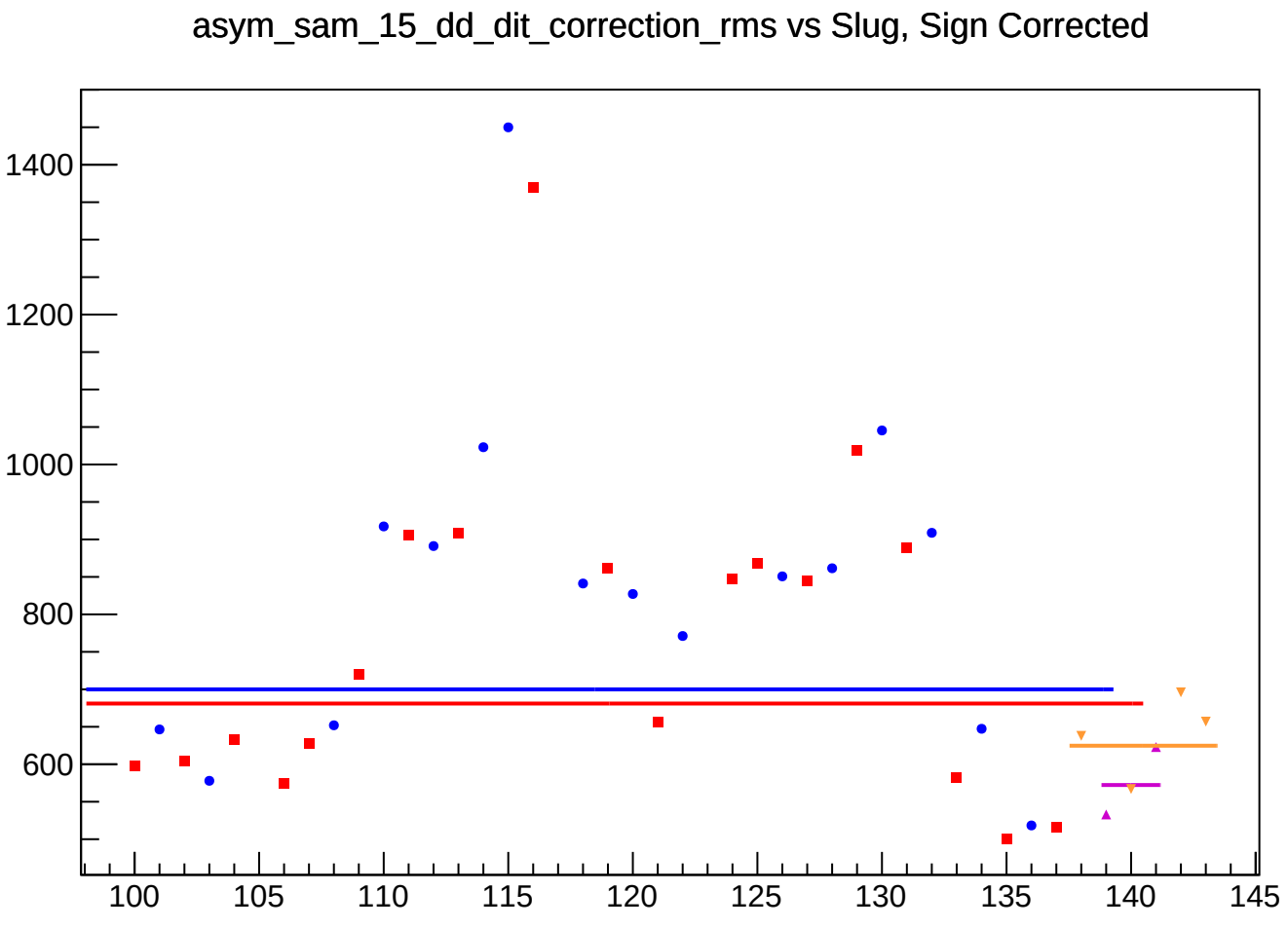
Left: 29.220+/-282.455 χ^2/NDF: 6.1/5

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -332.660+/-228.269 χ^2/NDF:9.7/17

Out: -210.750+/-210.826 χ^2/NDF:23.6/22

All: -266.870+/-154.876 χ^2/NDF: 33.5/40



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 624.746+/-0.261 χ^2/NDF:31233.5/3

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 572.296+/-0.310 χ^2/NDF:20780.0/1

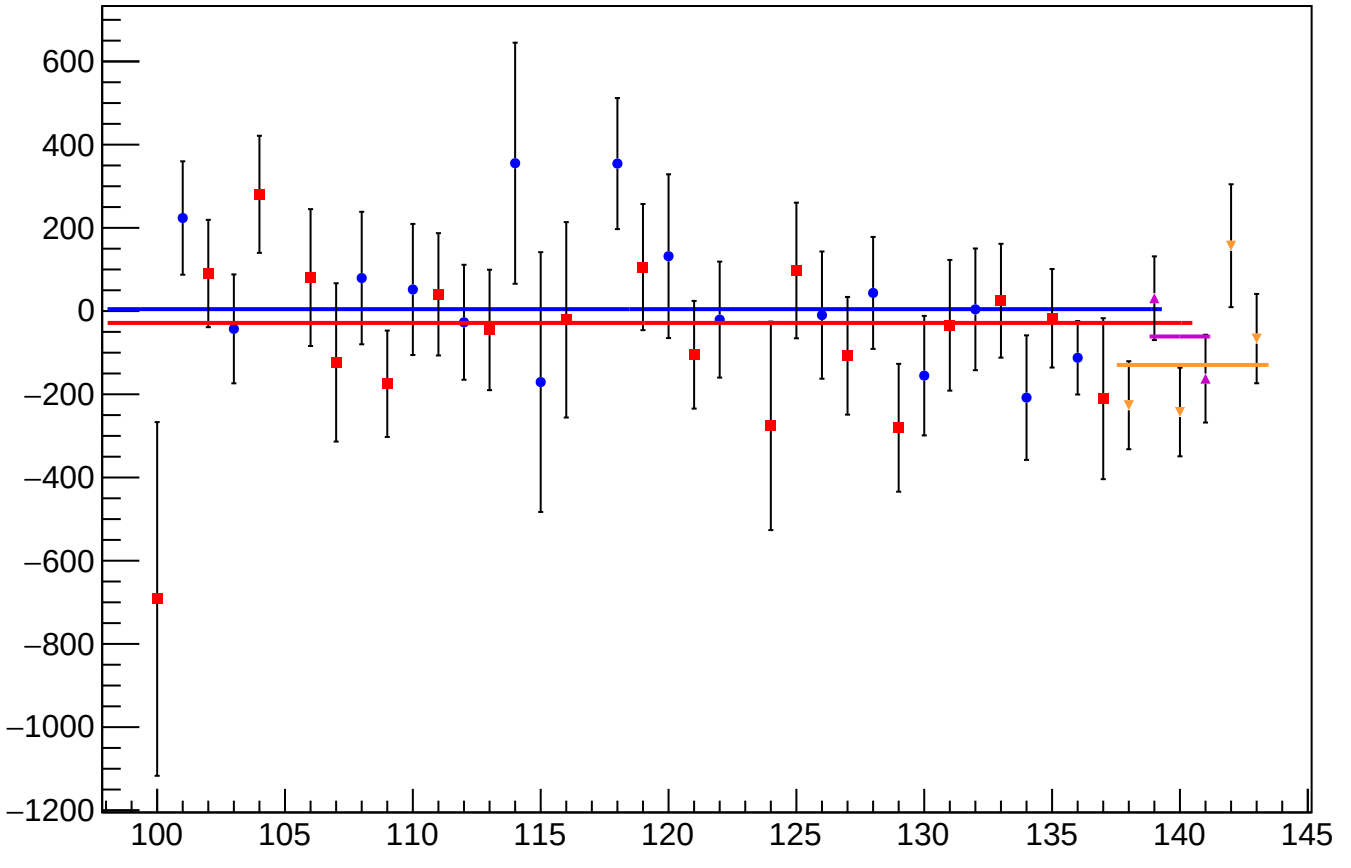
Left: 602.911+/-0.200 χ^2/NDF: 68771.3/5

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 665.259+/-0.161 χ^2/NDF:898311.2/17

Out: 662.718+/-0.149 χ^2/NDF:831896.3/22

All: 663.887+/-0.110 χ^2/NDF: 1730341.3/40



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -129.432+/-56.792 χ^2/NDF:6.1/3

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -61.067+/-72.818 χ^2/NDF:1.8/1

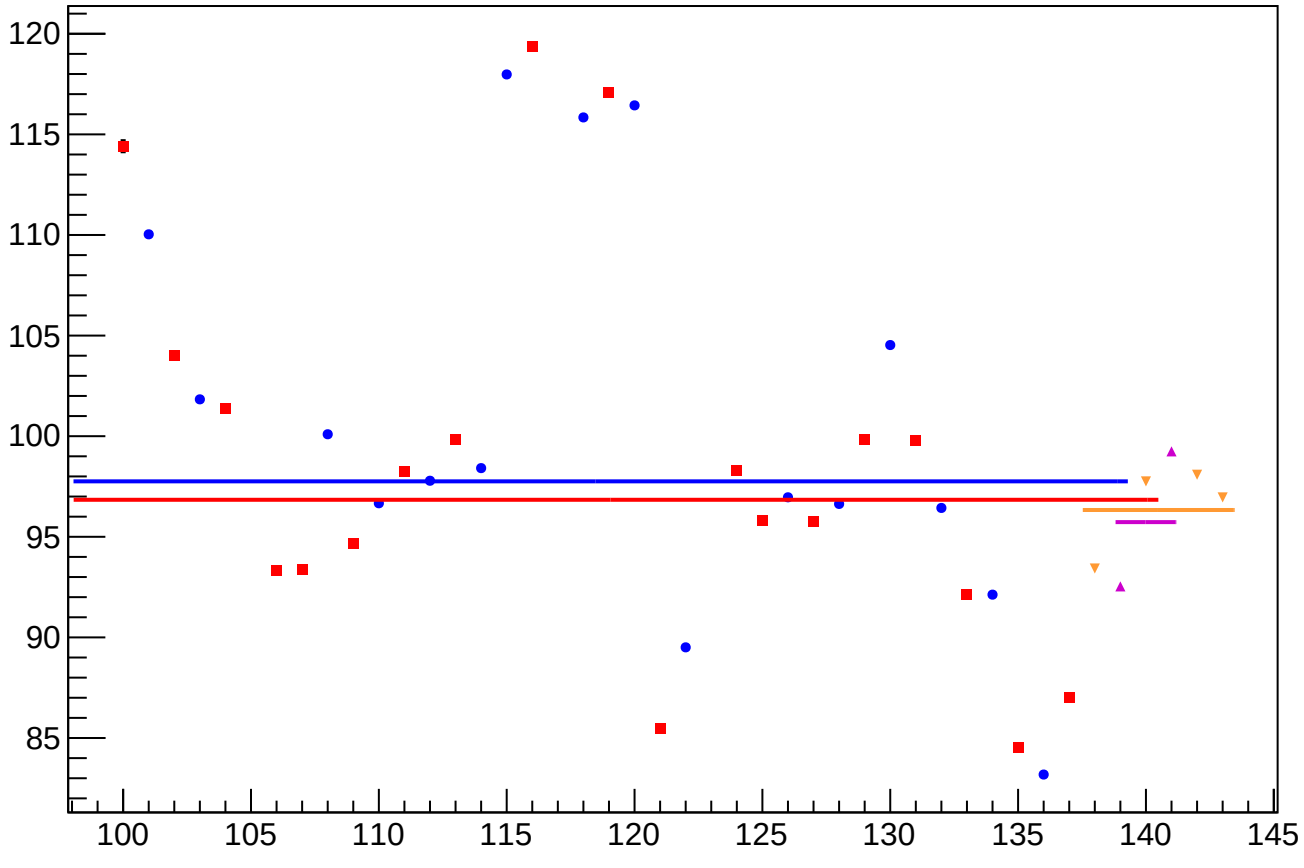
Left: -103.575+/-44.782 χ^2/NDF: 8.4/5

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -8.575+/-32.637 χ^2/NDF:17.8/17

Out: -56.750+/-30.081 χ^2/NDF:25.4/22

All: -34.622+/-22.119 χ^2/NDF: 44.4/40



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 96.332+/-0.040 χ^2/NDF:2215.6/3

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 95.730+/-0.051 χ^2/NDF:4236.5/1

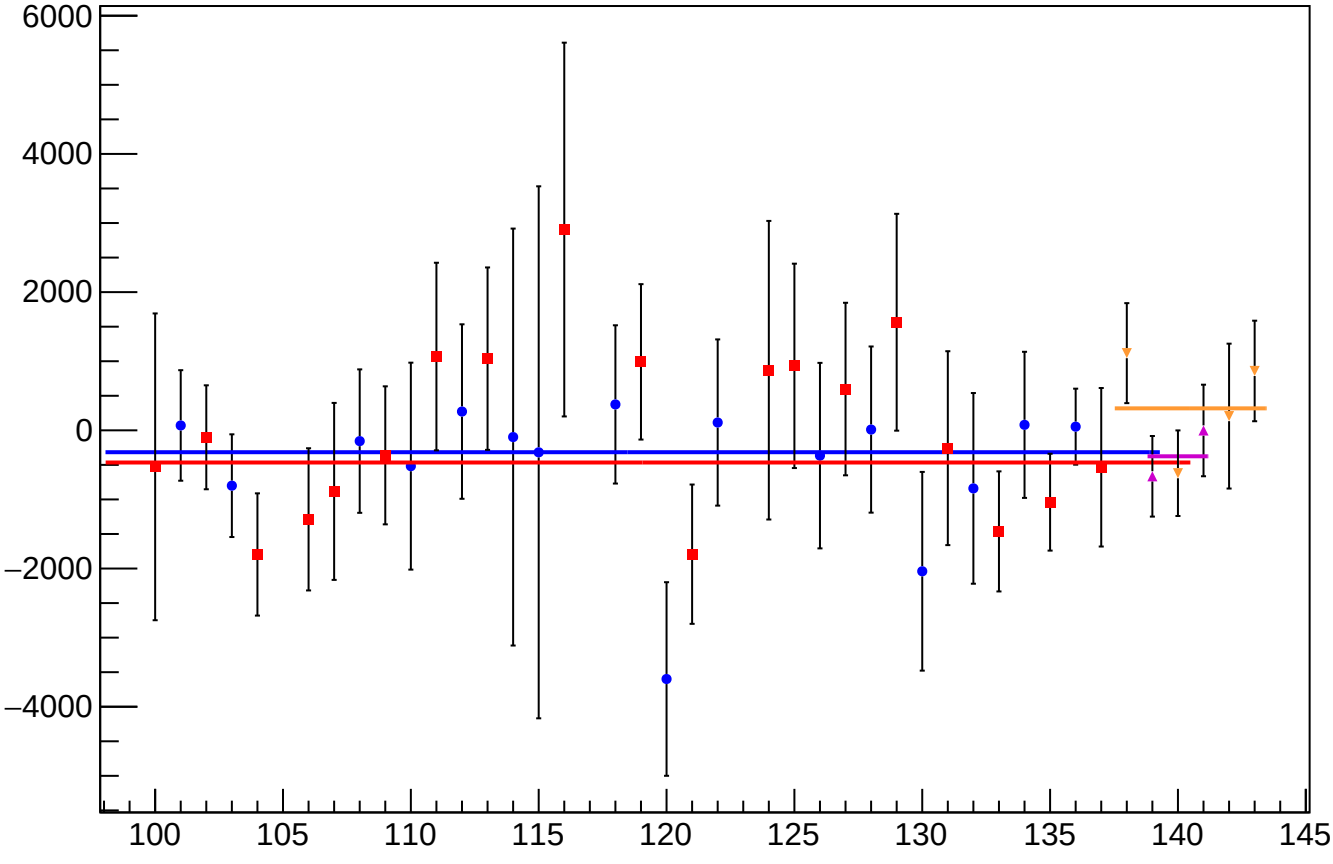
Left: 96.104+/-0.032 χ^2/NDF: 6537.4/5

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 97.349+/-0.023 χ^2/NDF:146128.7/17

Out: 96.697+/-0.021 χ^2/NDF:117503.5/22

All: 96.996+/-0.016 χ^2/NDF: 264063.2/40



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 318.035+/-369.703 χ^2/NDF:4.1/3

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -375.744+/-437.775 χ^2/NDF:0.6/1

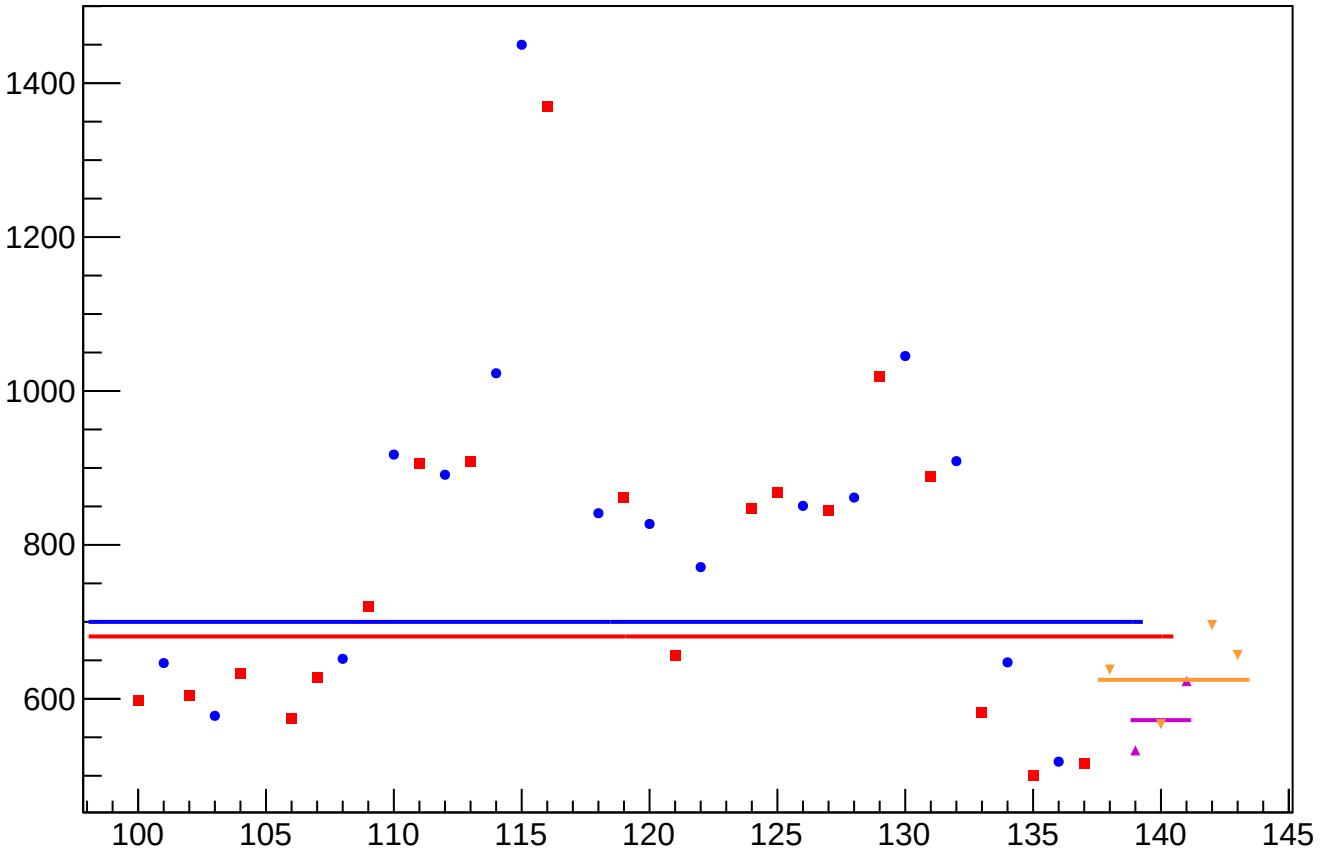
Left: 29.220+/-282.456 χ^2/NDF: 6.1/5

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -332.659+/-228.269 χ^2/NDF:9.7/17

Out: -210.751+/-210.826 χ^2/NDF:23.6/22

All: -266.870+/-154.876 χ^2/NDF: 33.5/40



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 624.747+/-0.261 χ^2/NDF:31232.5/3

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 572.297+/-0.310 χ^2/NDF:20780.4/1

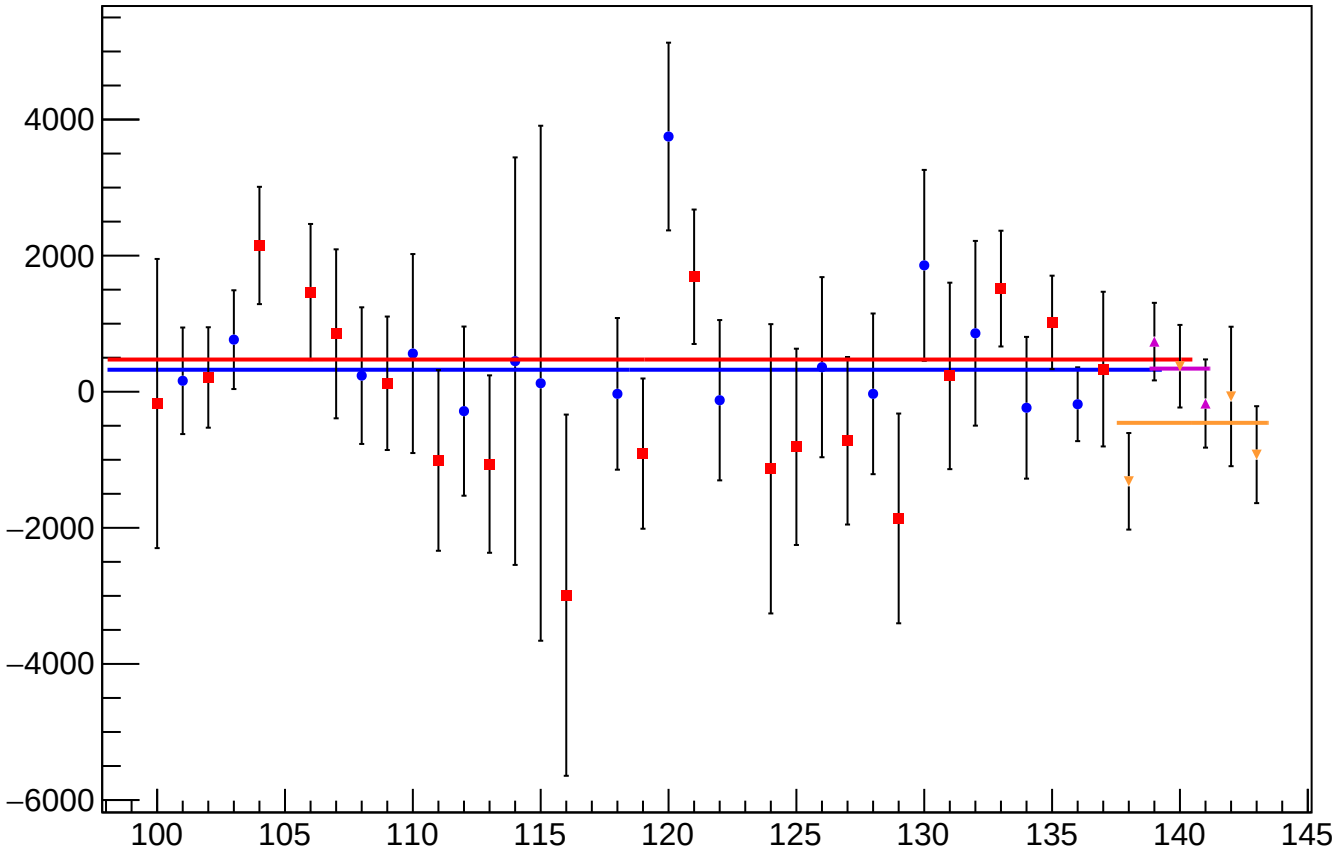
Left: 602.912+/-0.200 χ^2/NDF: 68770.4/5

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 665.258+/-0.161 χ^2/NDF:898309.0/17

Out: 662.717+/-0.149 χ^2/NDF:831895.7/22

All: 663.887+/-0.110 χ^2/NDF: 1730338.5/40



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -457.093+/-362.138 χ^2/NDF:3.9/3

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: -124.583+/-276.452 χ^2/NDF: 7.1/5

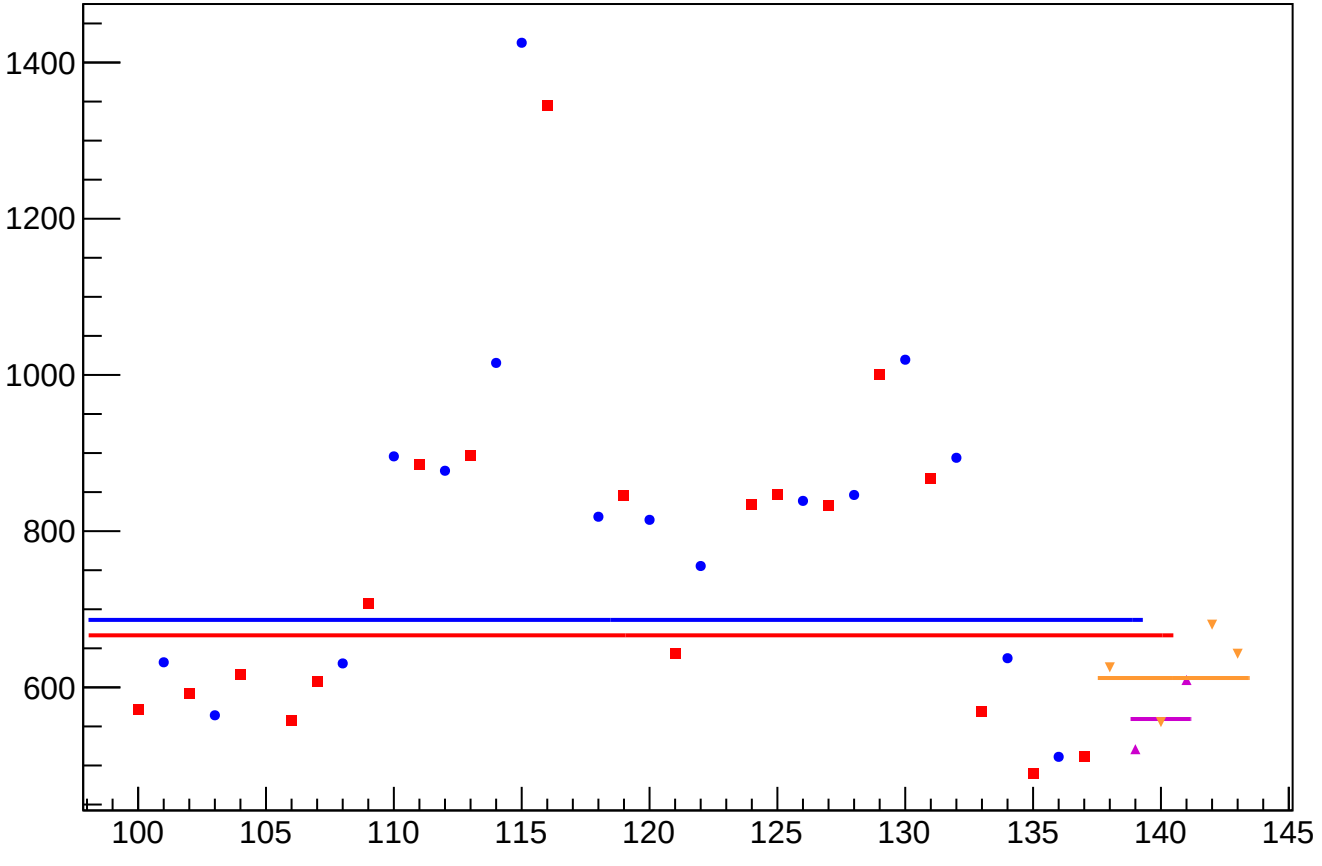
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 327.742+/-223.660 χ^2/NDF:10.8/17

Out: 170.802+/-206.476 χ^2/NDF:27.8/22

All: 243.012+/-151.713 χ^2/NDF: 38.9/40

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 611.995+/-0.256 χ^2/NDF:30734.6/3

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 559.502+/-0.303 χ^2/NDF:21065.2/1

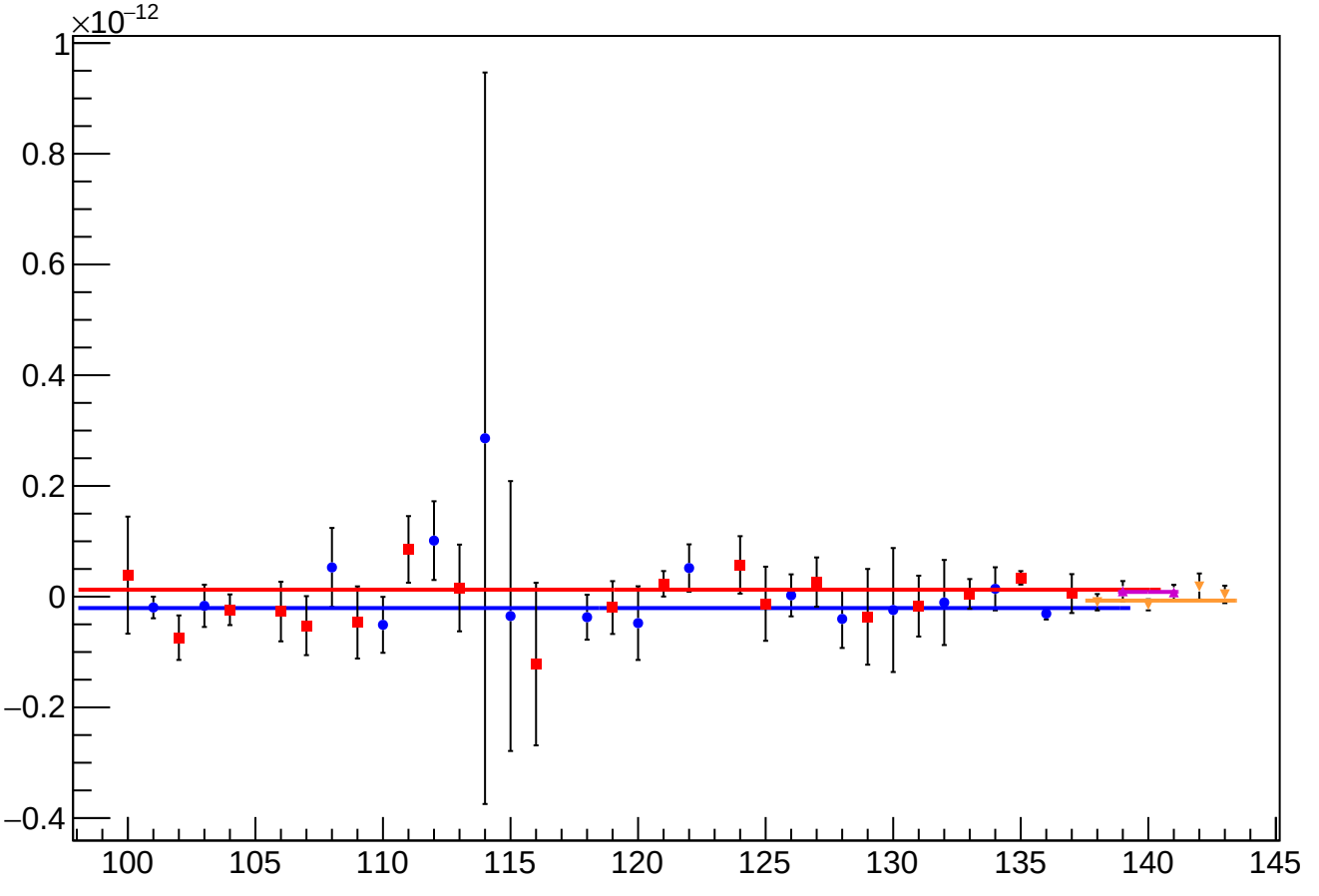
Left: 590.093+/-0.195 χ^2/NDF: 69333.6/5

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 651.740+/-0.158 χ^2/NDF:898317.1/17

Out: 648.872+/-0.146 χ^2/NDF:838496.9/22

All: 650.192+/-0.107 χ^2/NDF: 1736991.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

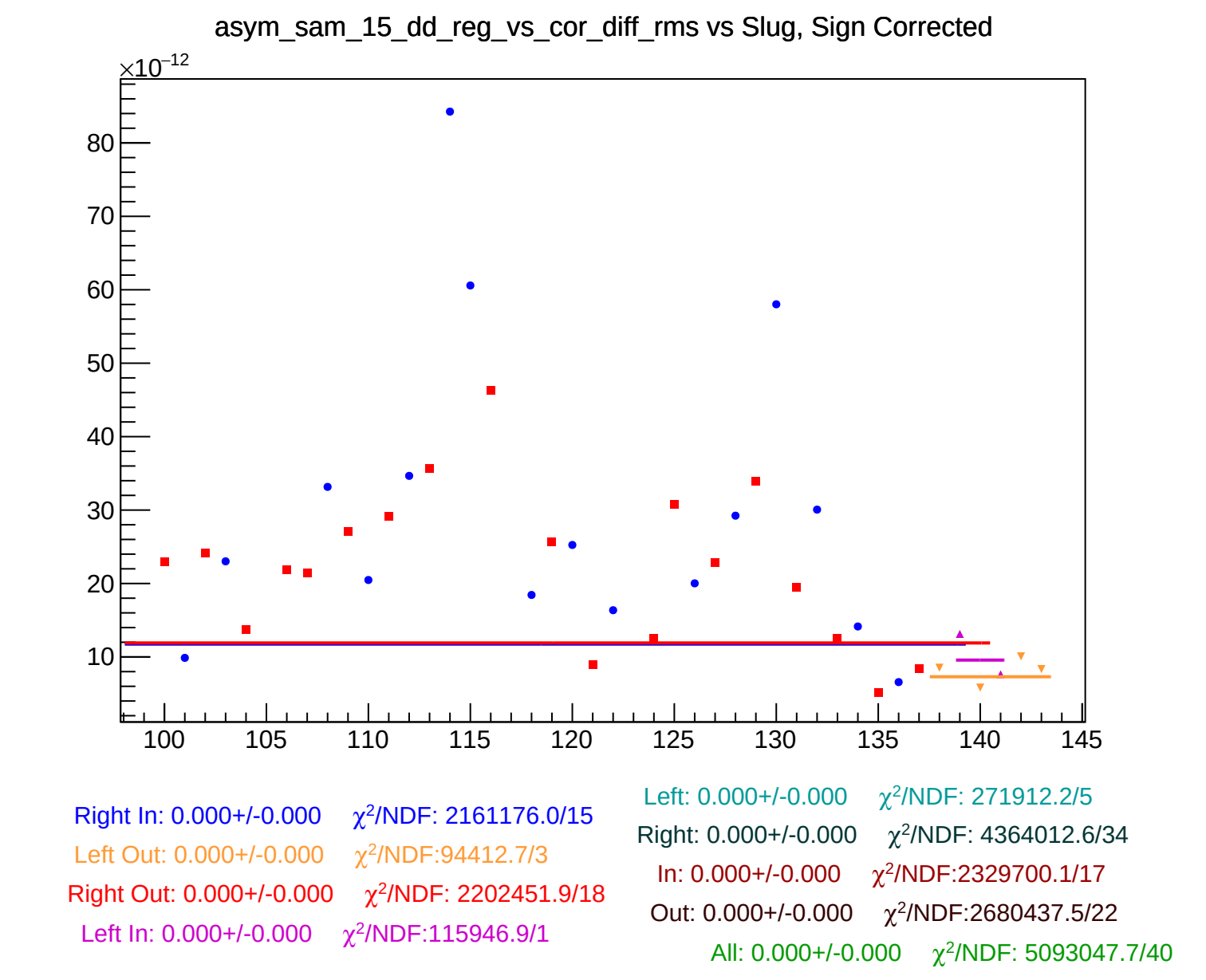
Left: -0.000+/-0.000 χ^2/NDF: 3.8/5

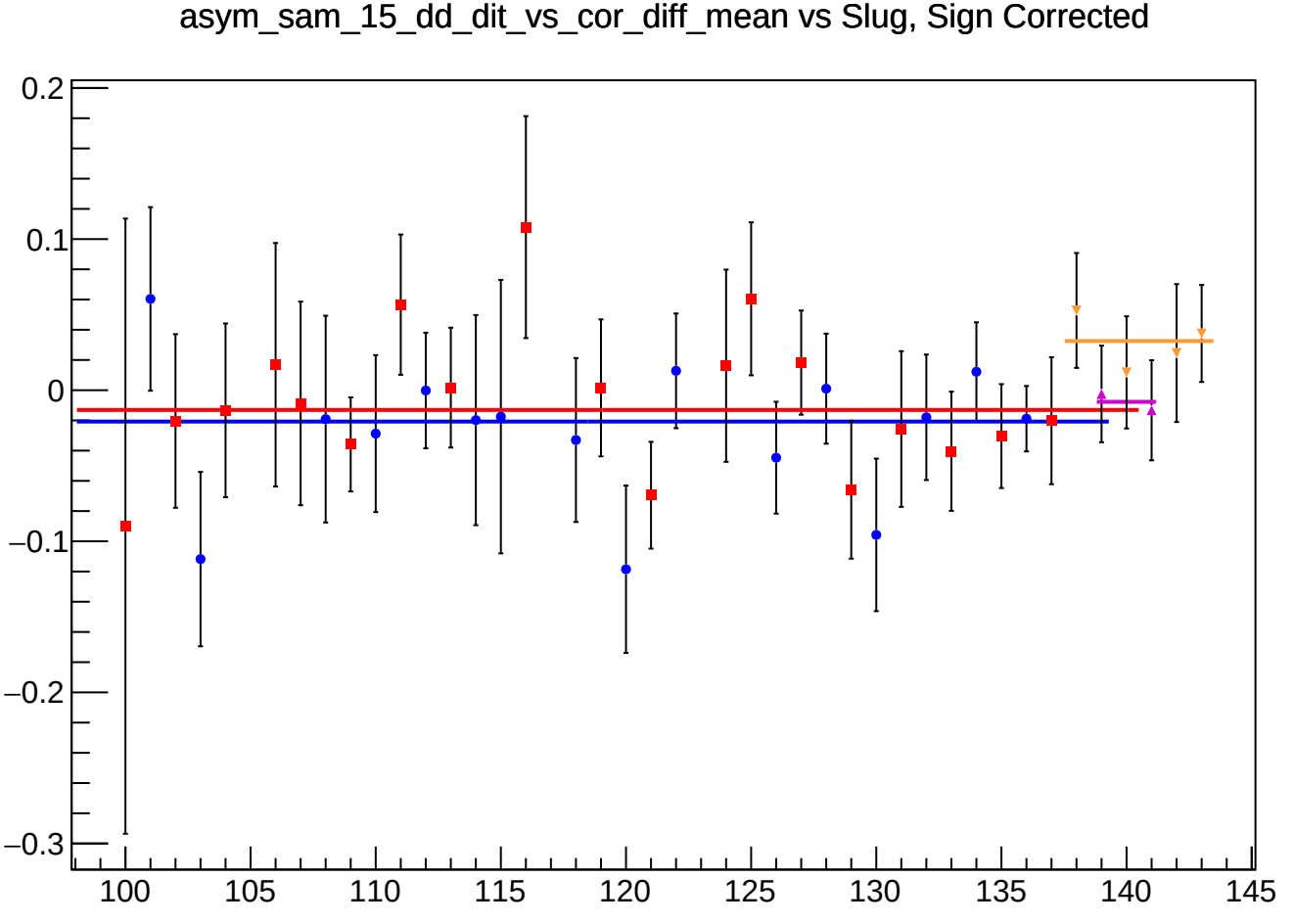
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:14.7/17

Out: 0.000+/-0.000 χ^2/NDF:22.9/22

All: -0.000+/-0.000 χ^2/NDF: 39.8/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:94412.7/3
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: 271912.2/5
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:2680437.5/22
All: 0.000+/-0.000 χ²/NDF: 5093047.7/40



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.023 χ^2/NDF:0.1/1

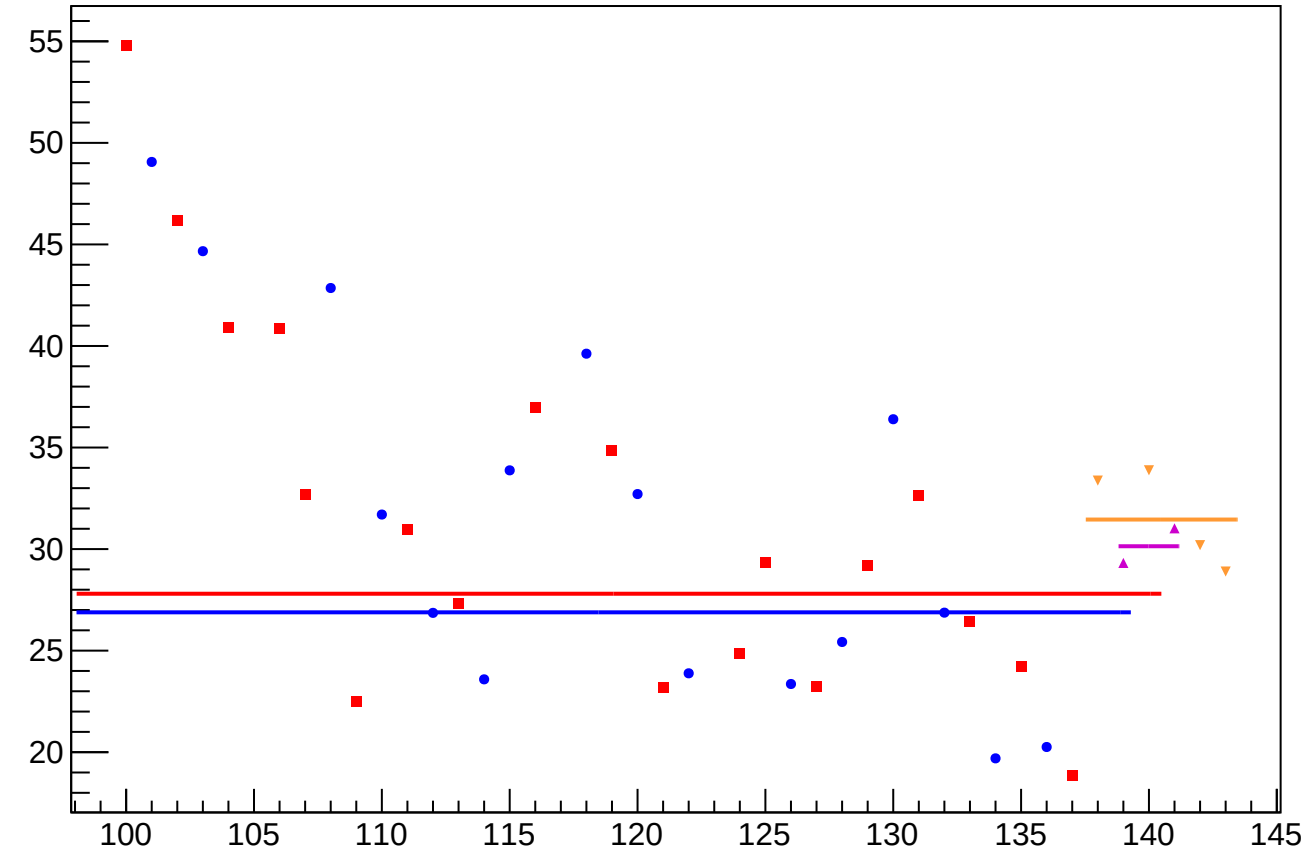
Left: 0.017+/-0.014 χ^2/NDF: 2.5/5

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.010+/-0.007 χ^2/NDF: 33.5/40



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.454+/-0.013 χ^2/NDF:27866.4/3

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.140+/-0.016 χ^2/NDF:2739.6/1

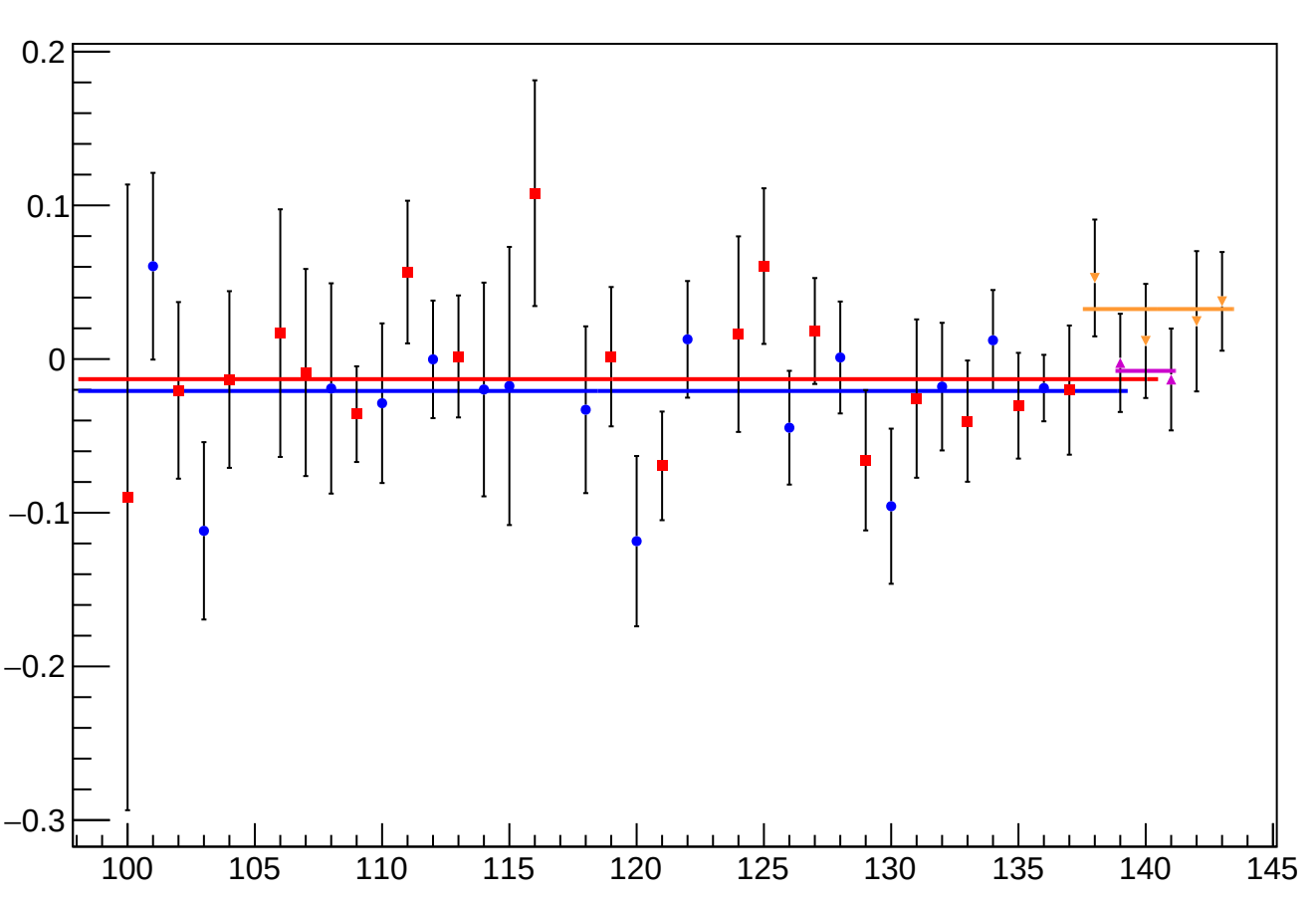
Left: 30.932+/-0.010 χ^2/NDF: 34542.7/5

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.448+/-0.007 χ^2/NDF:1156405.0/17

Out: 28.684+/-0.006 χ^2/NDF:848999.8/22

All: 28.091+/-0.005 χ^2/NDF: 2022813.2/40



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

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: 0.017+/-0.014 χ^2/NDF: 2.5/5

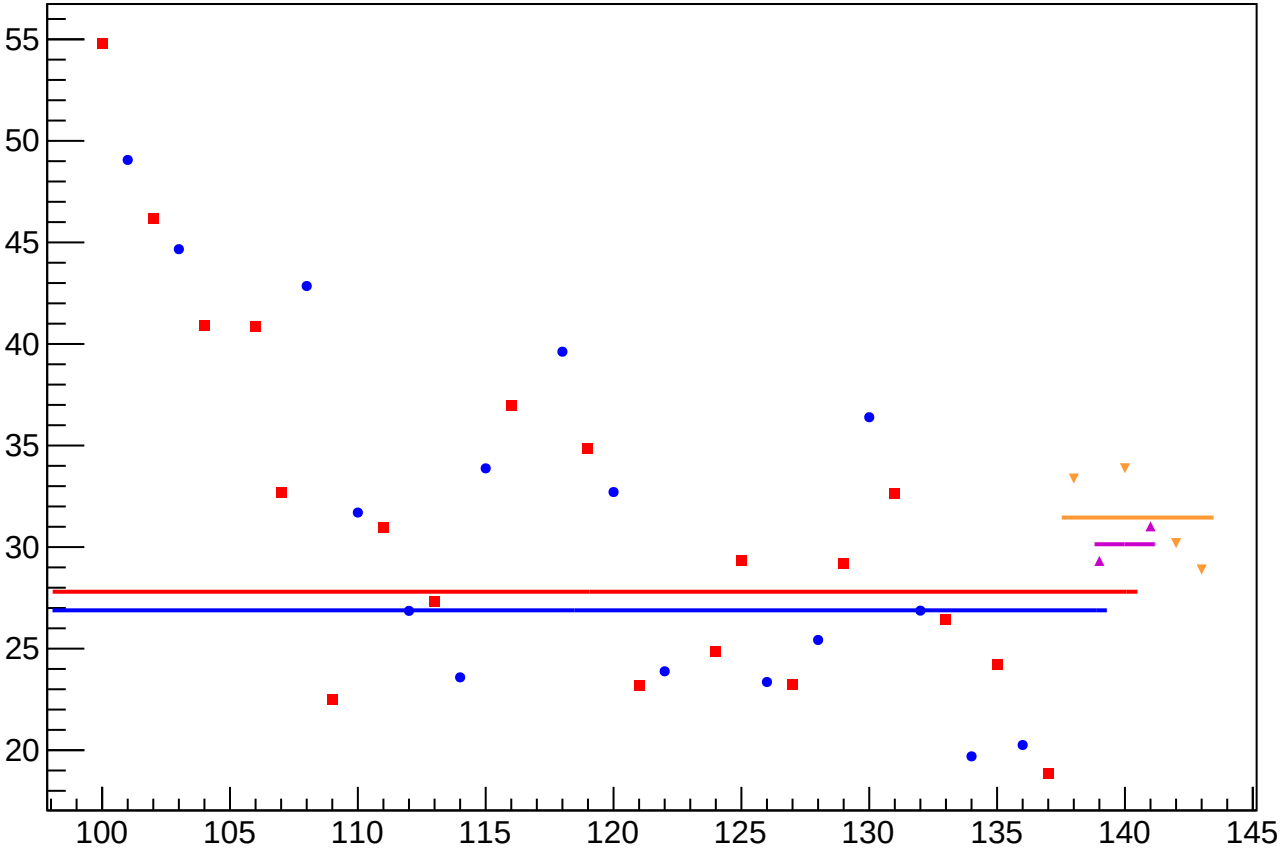
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.010+/-0.007 χ^2/NDF: 33.5/40

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.454+/-0.013 χ^2/NDF:27866.4/3

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.140+/-0.016 χ^2/NDF:2739.6/1

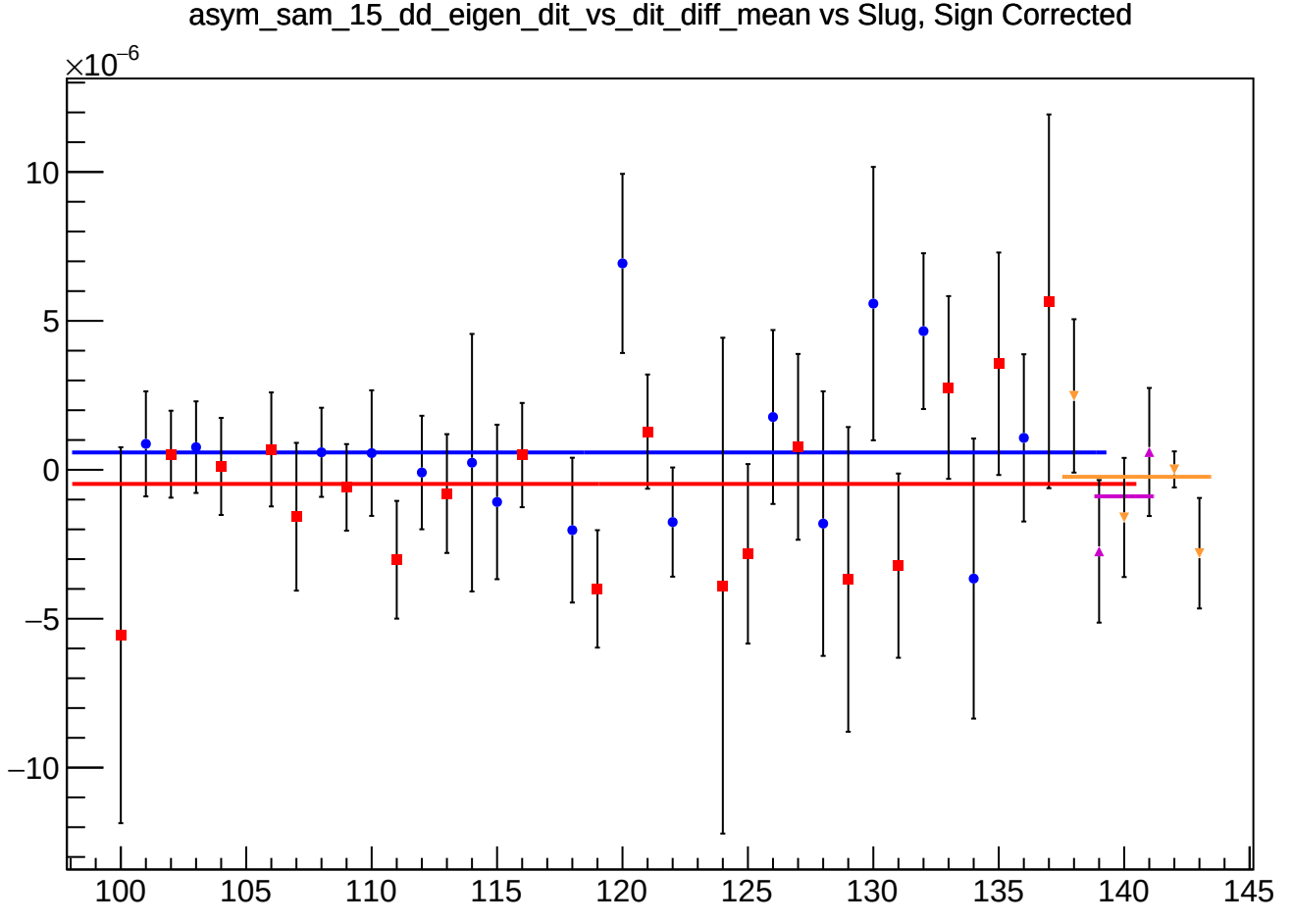
Left: 30.932+/-0.010 χ^2/NDF: 34542.7/5

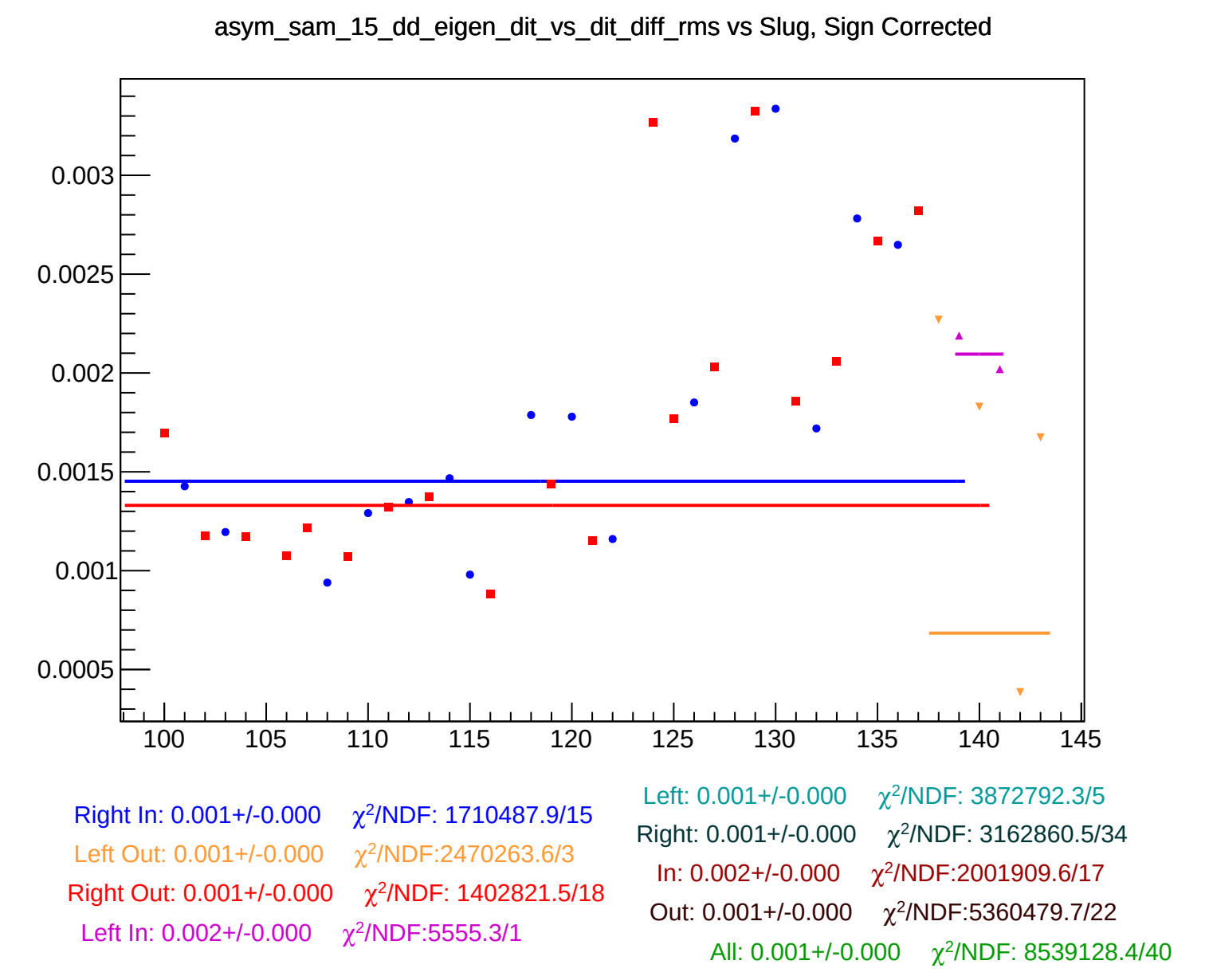
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

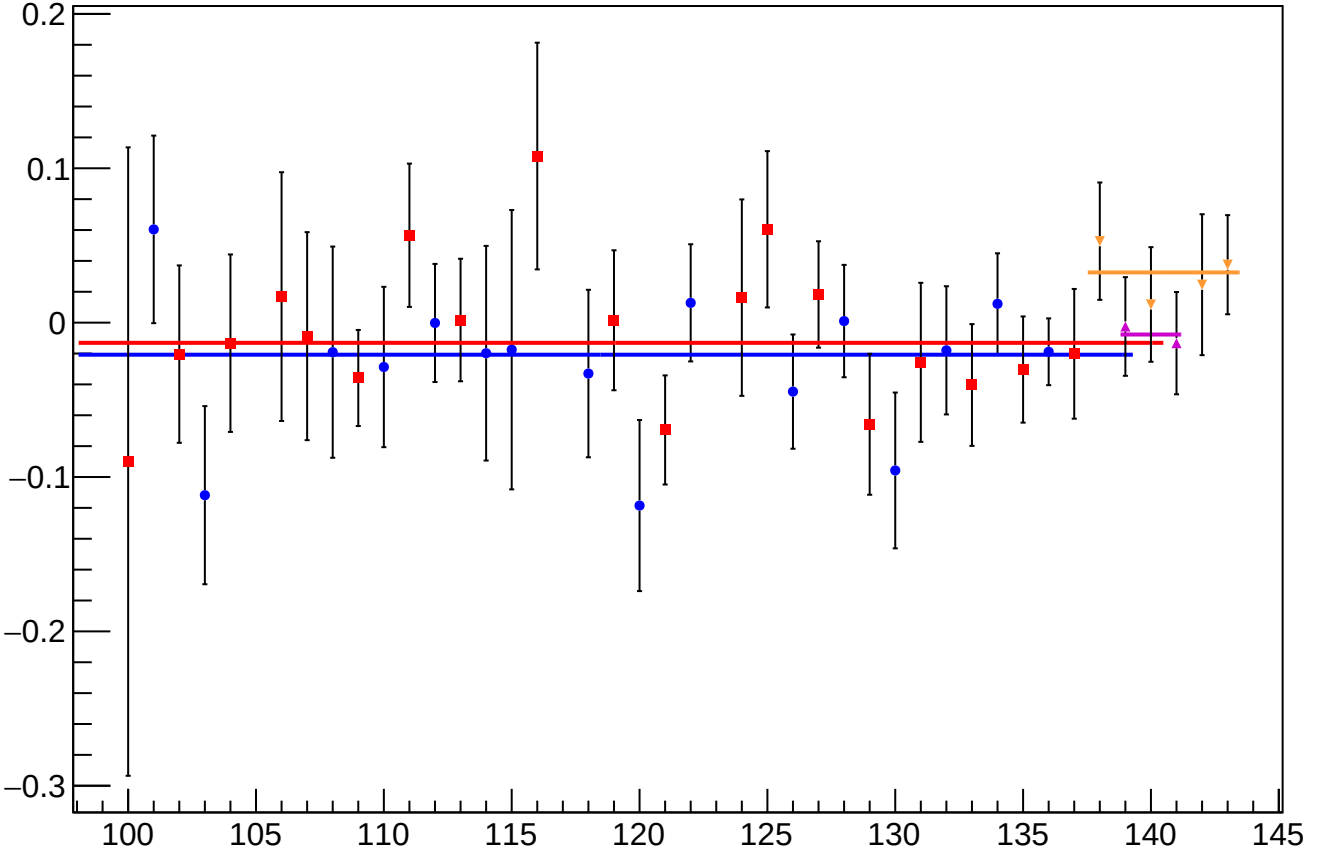
In: 27.448+/-0.007 χ^2/NDF:1156405.0/17

Out: 28.684+/-0.006 χ^2/NDF:848999.8/22

All: 28.091+/-0.005 χ^2/NDF: 2022813.2/40


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
10
5
0
−5
−10
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:3.7/3
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/1
Left: -0.000+/-0.000 χ²/NDF: 4.9/5
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:14.5/17
Out: -0.000+/-0.000 χ²/NDF:17.0/22
All: -0.000+/-0.000 χ²/NDF: 32.9/40


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
105
110
115
120
125
130
135
140
145
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2470263.6/3
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.002+/-0.000 χ²/NDF:5555.3/1
Left: 0.001+/-0.000 χ²/NDF: 3872792.3/5
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.002+/-0.000 χ²/NDF:2001909.6/17
Out: 0.001+/-0.000 χ²/NDF:5360479.7/22
All: 0.001+/-0.000 χ²/NDF: 8539128.4/40



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

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: 0.017+/-0.014 χ^2/NDF: 2.5/5

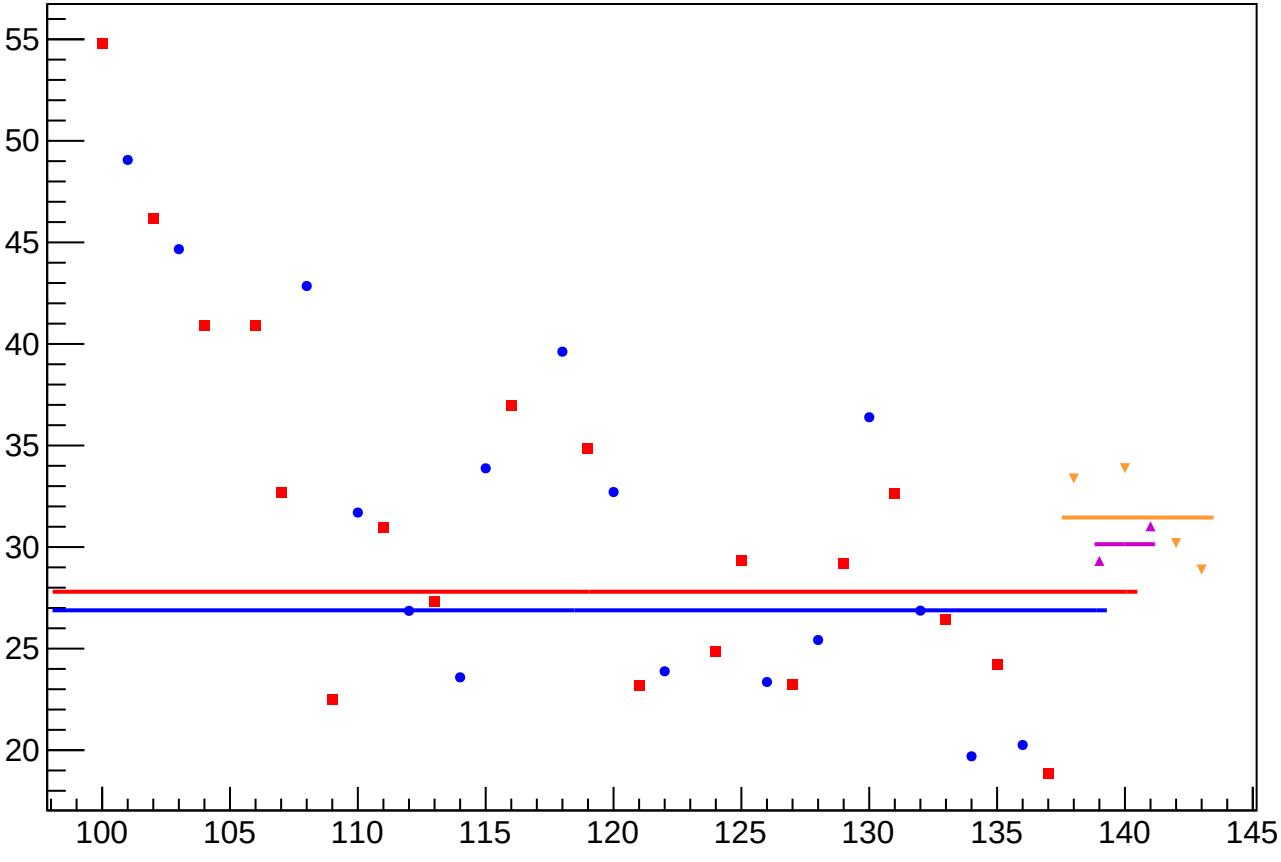
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.010+/-0.007 χ^2/NDF: 33.5/40

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: 31.455+/-0.013 χ^2/NDF:27890.4/3

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.141+/-0.016 χ^2/NDF:2740.0/1

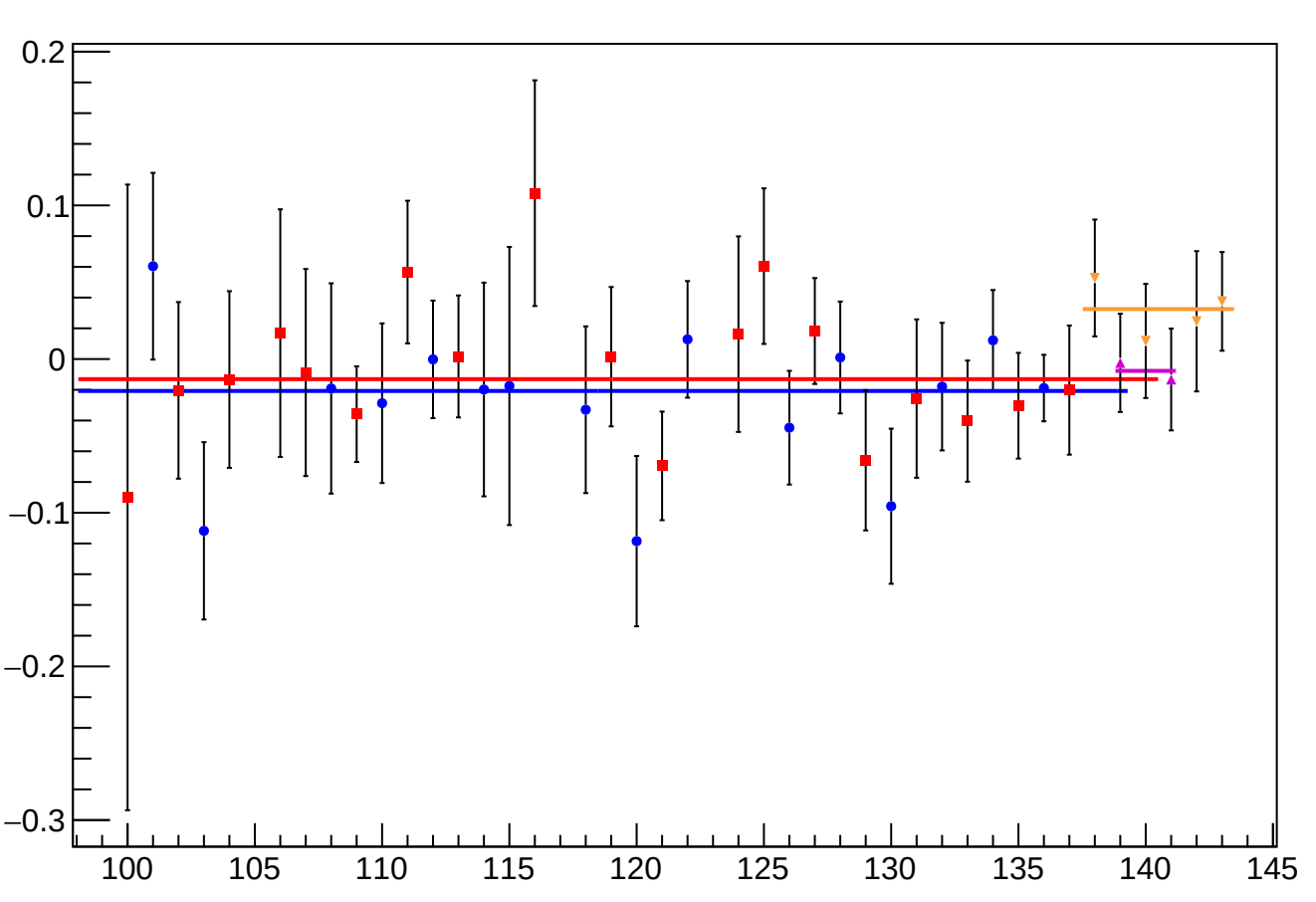
Left: 30.933+/-0.010 χ^2/NDF: 34561.1/5

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.447+/-0.007 χ^2/NDF:1156454.5/17

Out: 28.683+/-0.006 χ^2/NDF:849179.6/22

All: 28.090+/-0.005 χ^2/NDF: 2023030.4/40



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.033+/-0.019 χ^2/NDF:0.7/3

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: 0.017+/-0.014 χ^2/NDF: 2.5/5

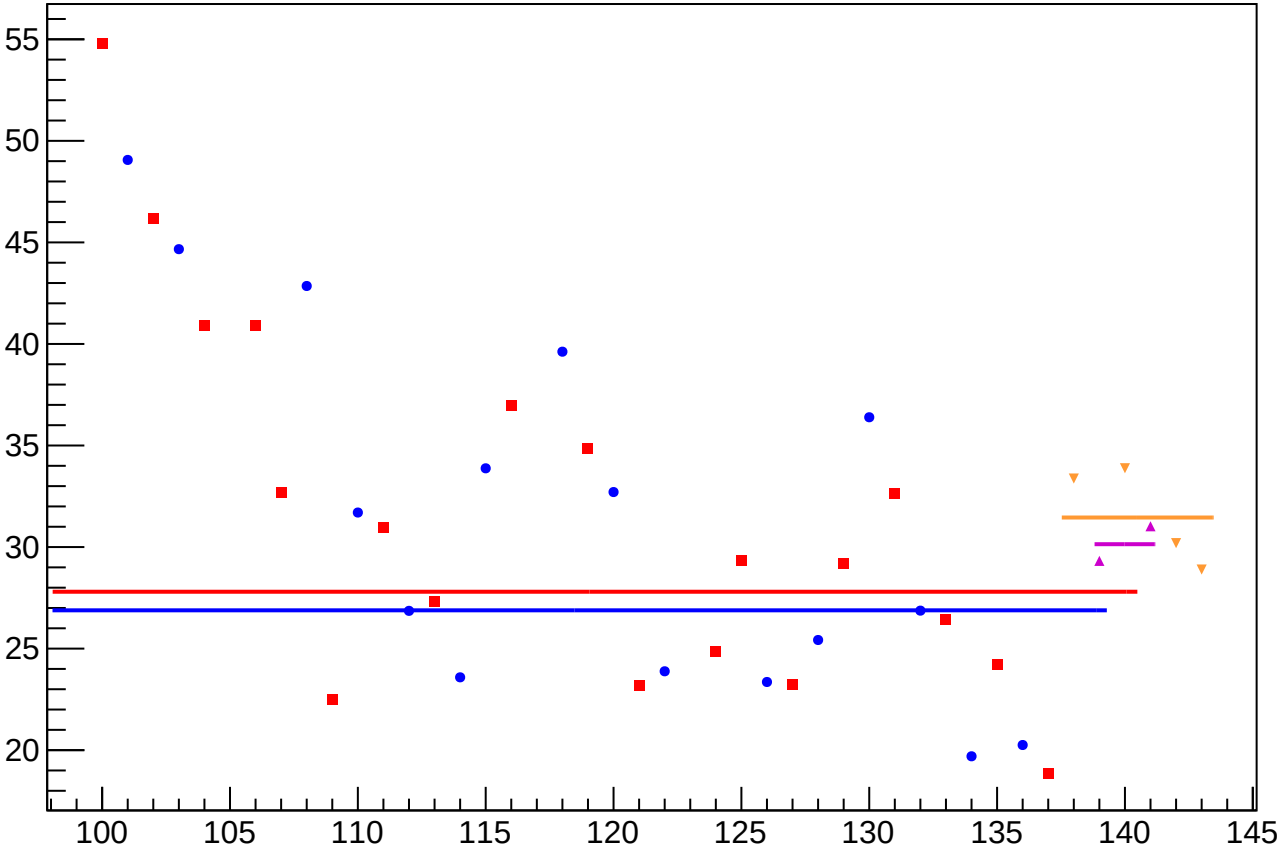
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.019+/-0.010 χ^2/NDF:12.9/17

Out: -0.002+/-0.009 χ^2/NDF:19.1/22

All: -0.010+/-0.007 χ^2/NDF: 33.5/40

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: 31.455+/-0.013 χ^2/NDF:27890.4/3

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.141+/-0.016 χ^2/NDF:2740.0/1

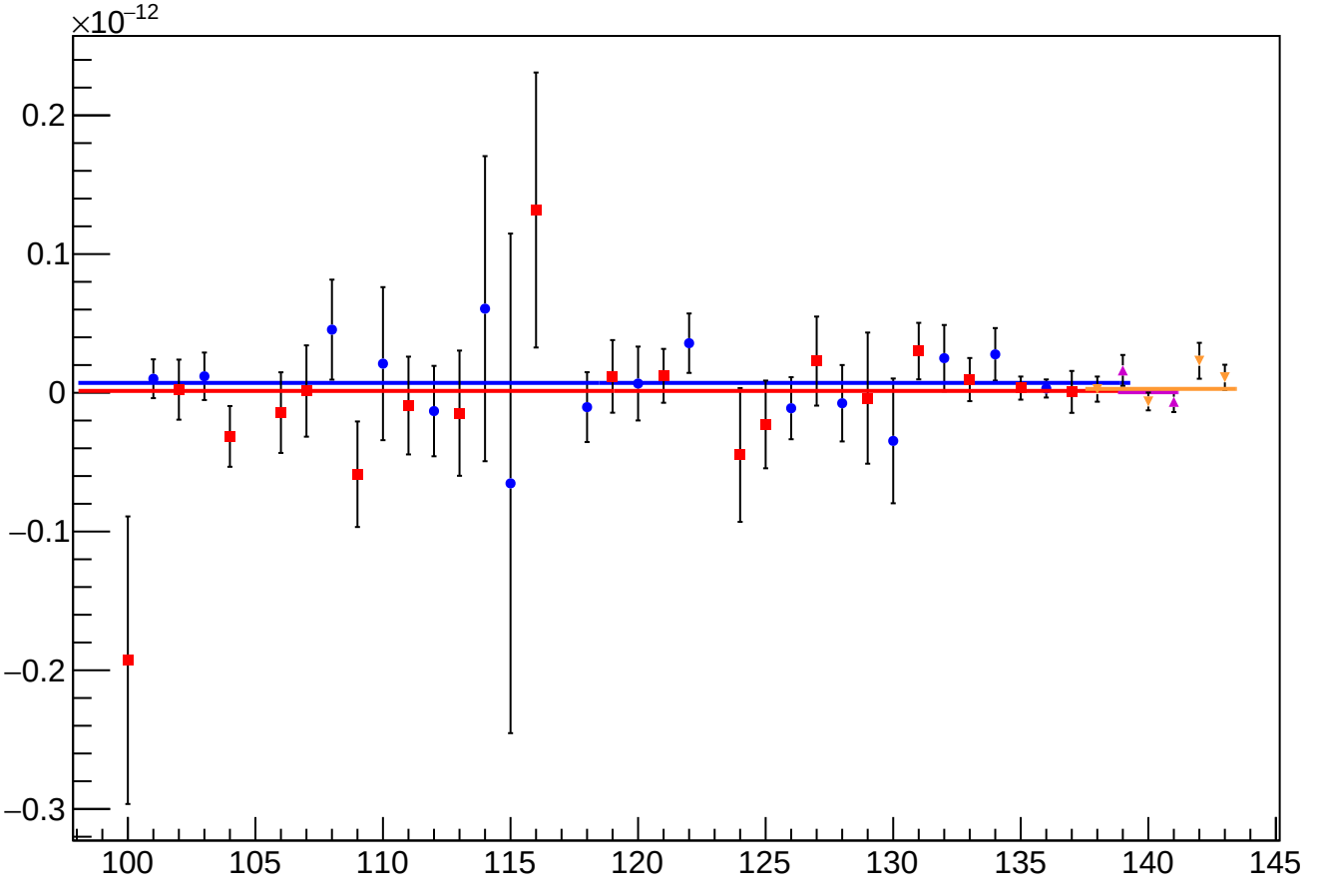
Left: 30.933+/-0.010 χ^2/NDF: 34561.1/5

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.447+/-0.007 χ^2/NDF:1156454.5/17

Out: 28.683+/-0.006 χ^2/NDF:849179.6/22

All: 28.090+/-0.005 χ^2/NDF: 2023030.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/1

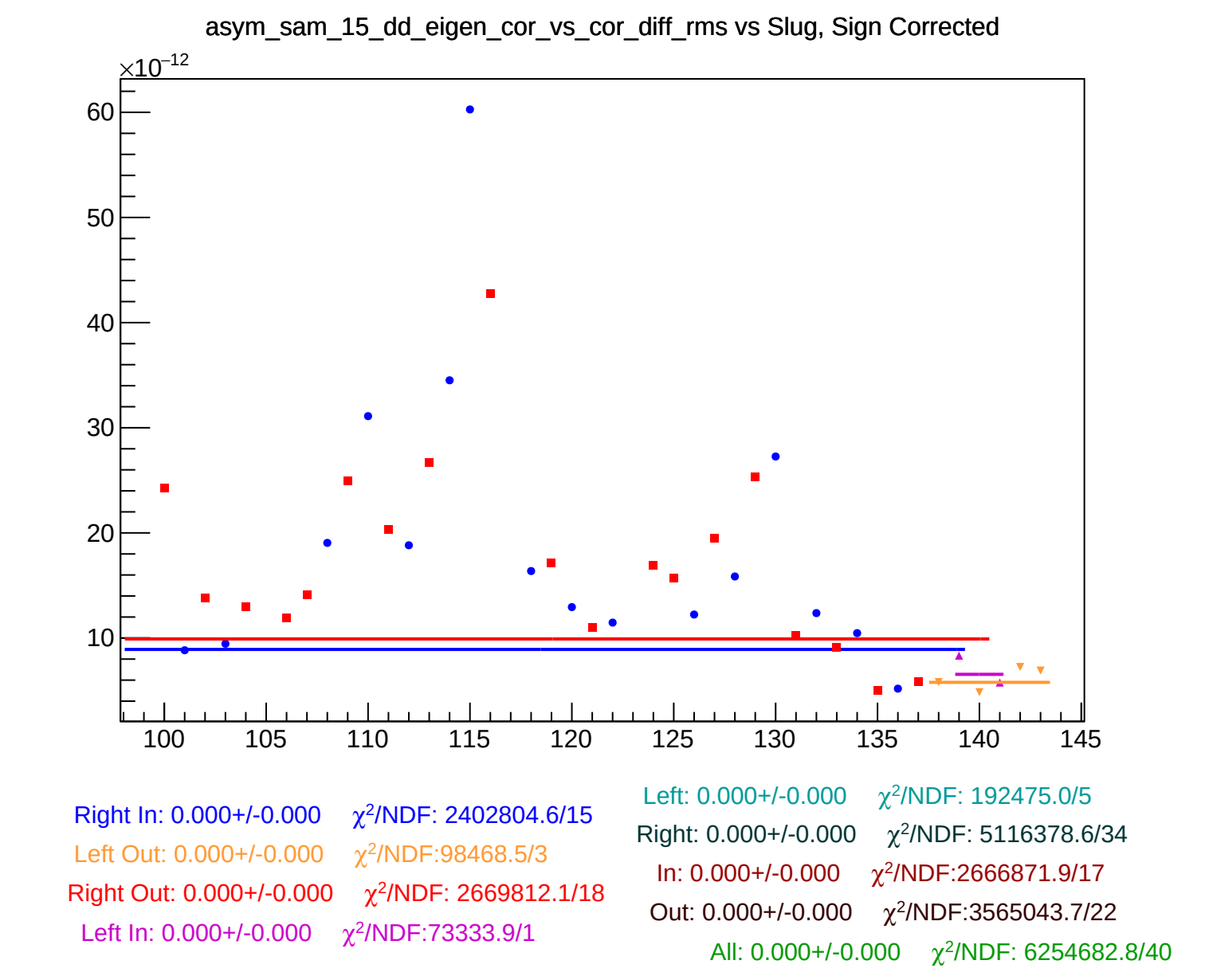
Left: 0.000+/-0.000 χ^2/NDF: 8.3/5

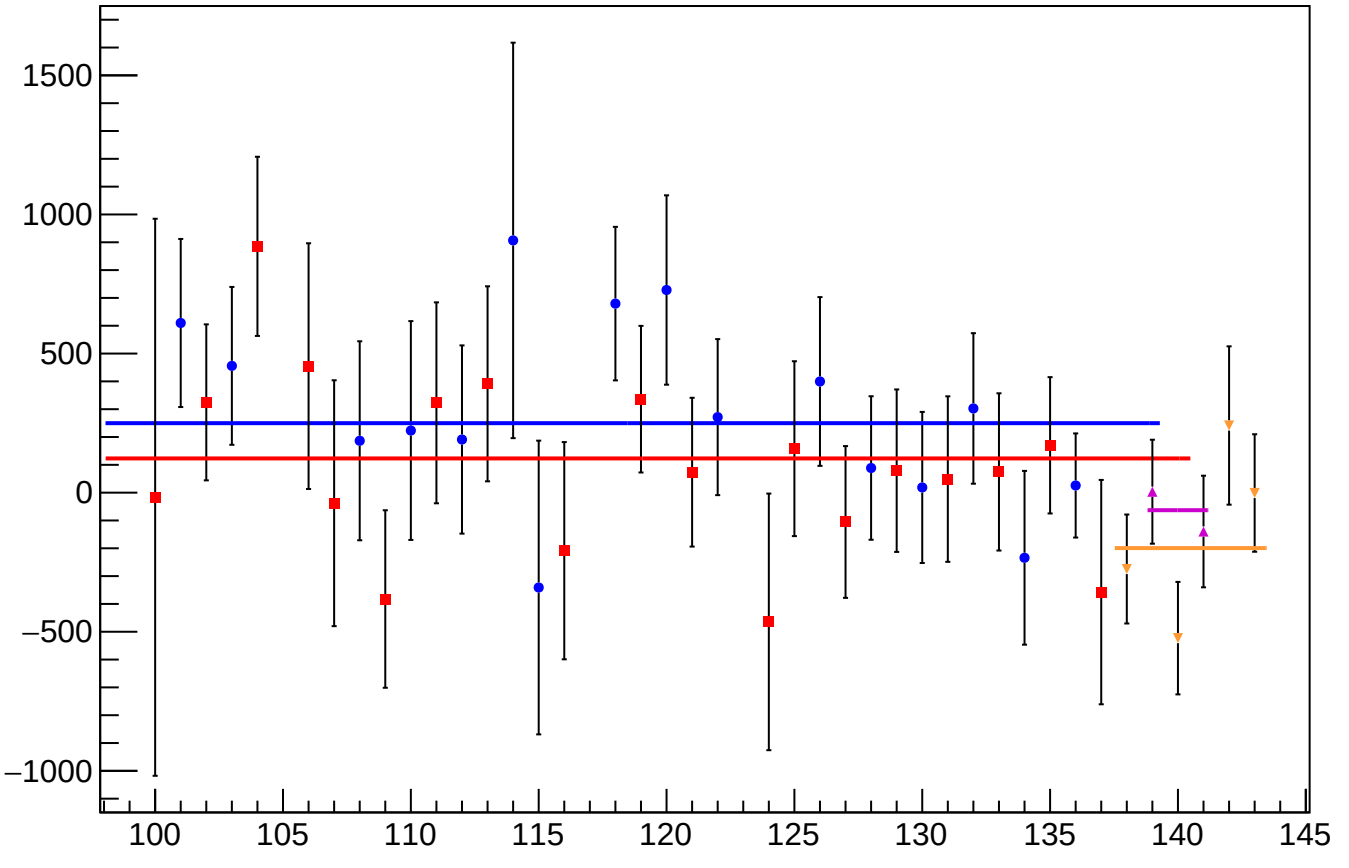
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:11.9/17

Out: 0.000+/-0.000 χ^2/NDF:20.6/22

All: 0.000+/-0.000 χ^2/NDF: 32.8/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:98468.5/3
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: 192475.0/5
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:3565043.7/22
All: 0.000+/-0.000 χ²/NDF: 6254682.8/40



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -63.069+/-136.725 χ^2/NDF:0.3/1

Left: -146.781+/-84.876 χ^2/NDF: 6.9/5

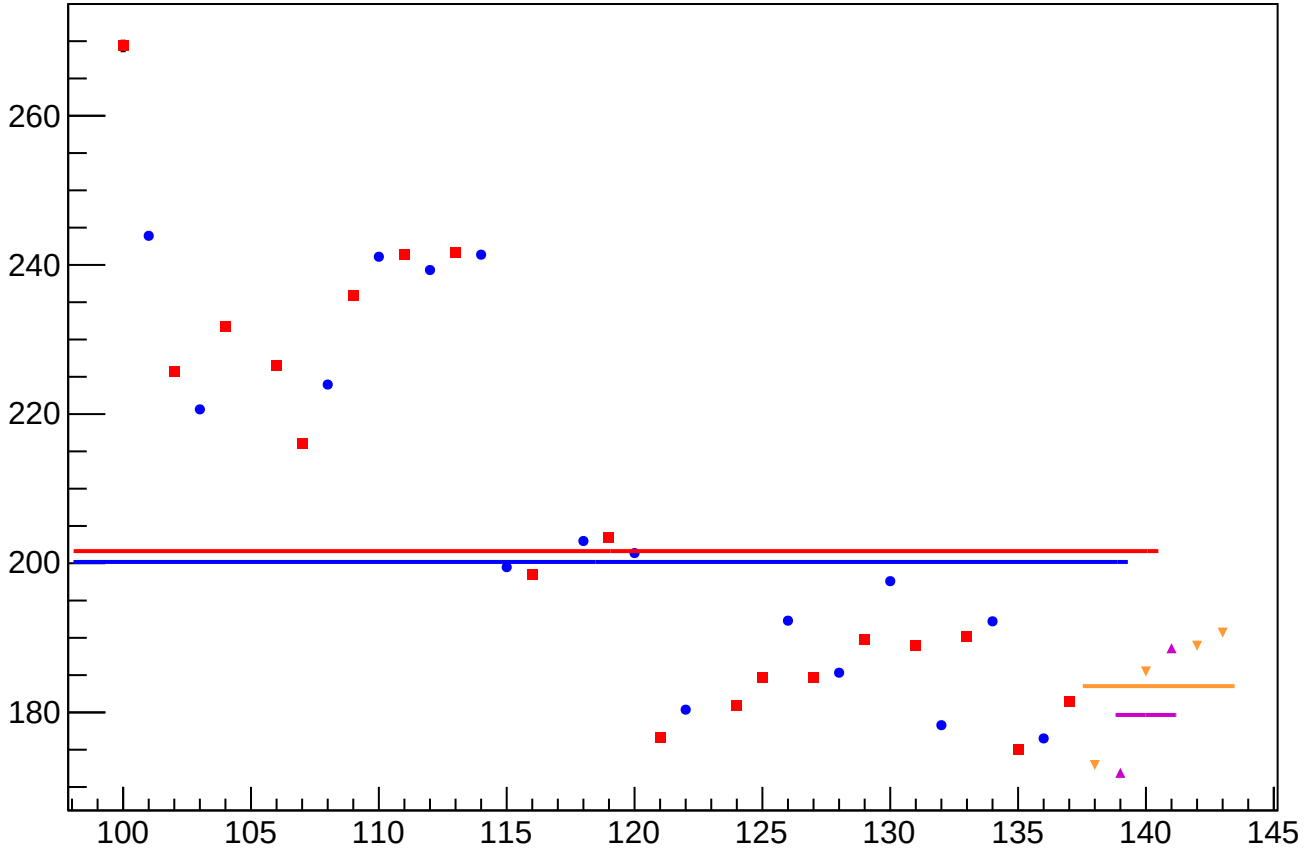
Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 177.585+/-65.674 χ^2/NDF:18.1/17

Out: 19.676+/-61.300 χ^2/NDF:27.6/22

All: 93.197+/-44.812 χ^2/NDF: 48.7/40

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.8/1

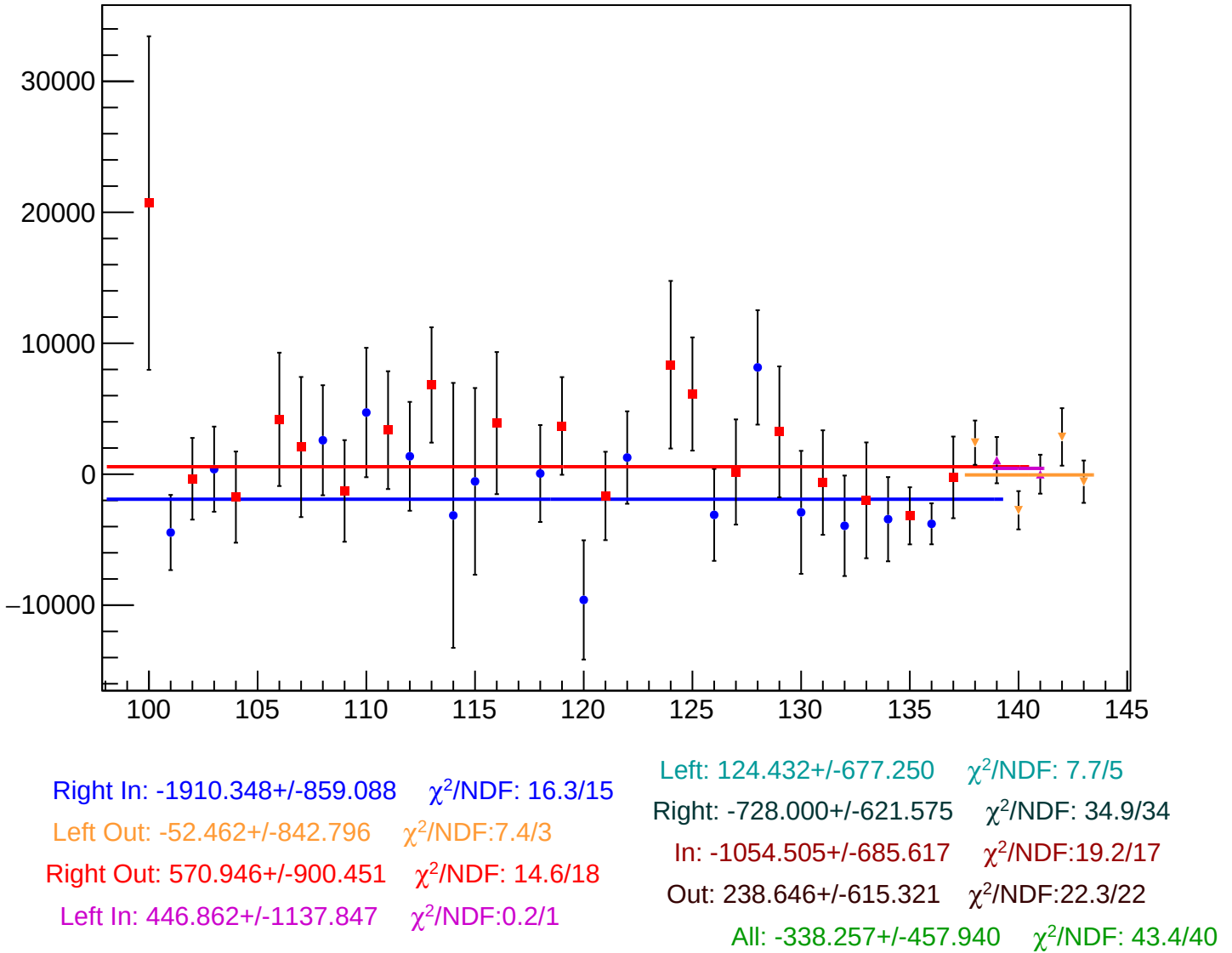
Left: 182.035+/-0.060 χ^2/NDF: 17460.2/5

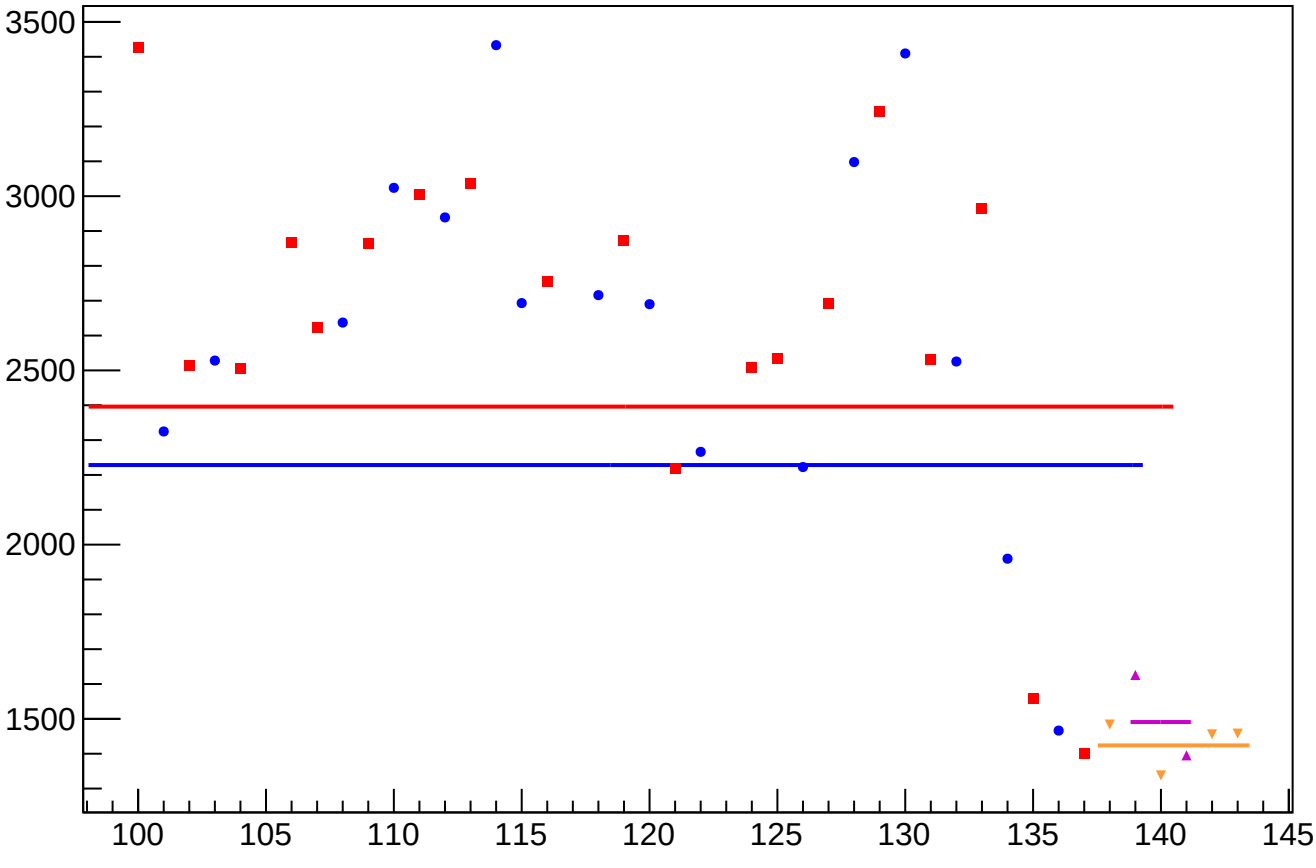
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 195.444+/-0.046 χ^2/NDF:223065.7/17

Out: 195.823+/-0.043 χ^2/NDF:244294.3/22

All: 195.646+/-0.032 χ^2/NDF: 467395.7/40


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -52.462+/-842.796 χ²/NDF:7.4/3
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: 446.862+/-1137.847 χ²/NDF:0.2/1
Left: 124.432+/-677.250 χ²/NDF: 7.7/5
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -1054.505+/-685.617 χ²/NDF:19.2/17
Out: 238.646+/-615.321 χ²/NDF:22.3/22
All: -338.257+/-457.940 χ²/NDF: 43.4/40



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10748.9/3

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

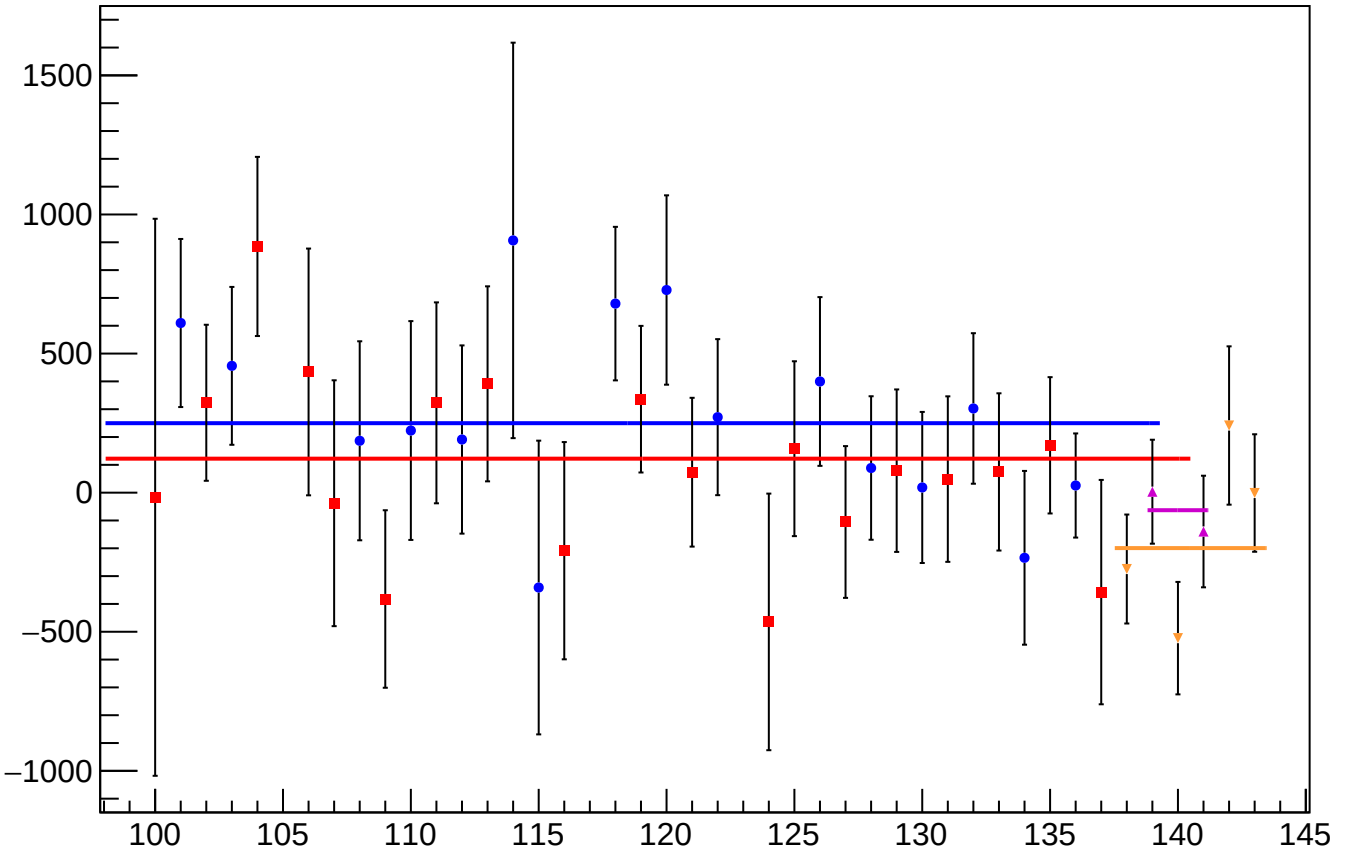
Left: 1447.615+/-0.479 χ^2/NDF: 35181.8/5

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1960.661+/-0.485 χ^2/NDF:1502760.9/17

Out: 1877.848+/-0.435 χ^2/NDF:2052988.8/22

All: 1914.793+/-0.324 χ^2/NDF: 3571911.1/40



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -63.056+/-136.725 χ^2/NDF:0.3/1

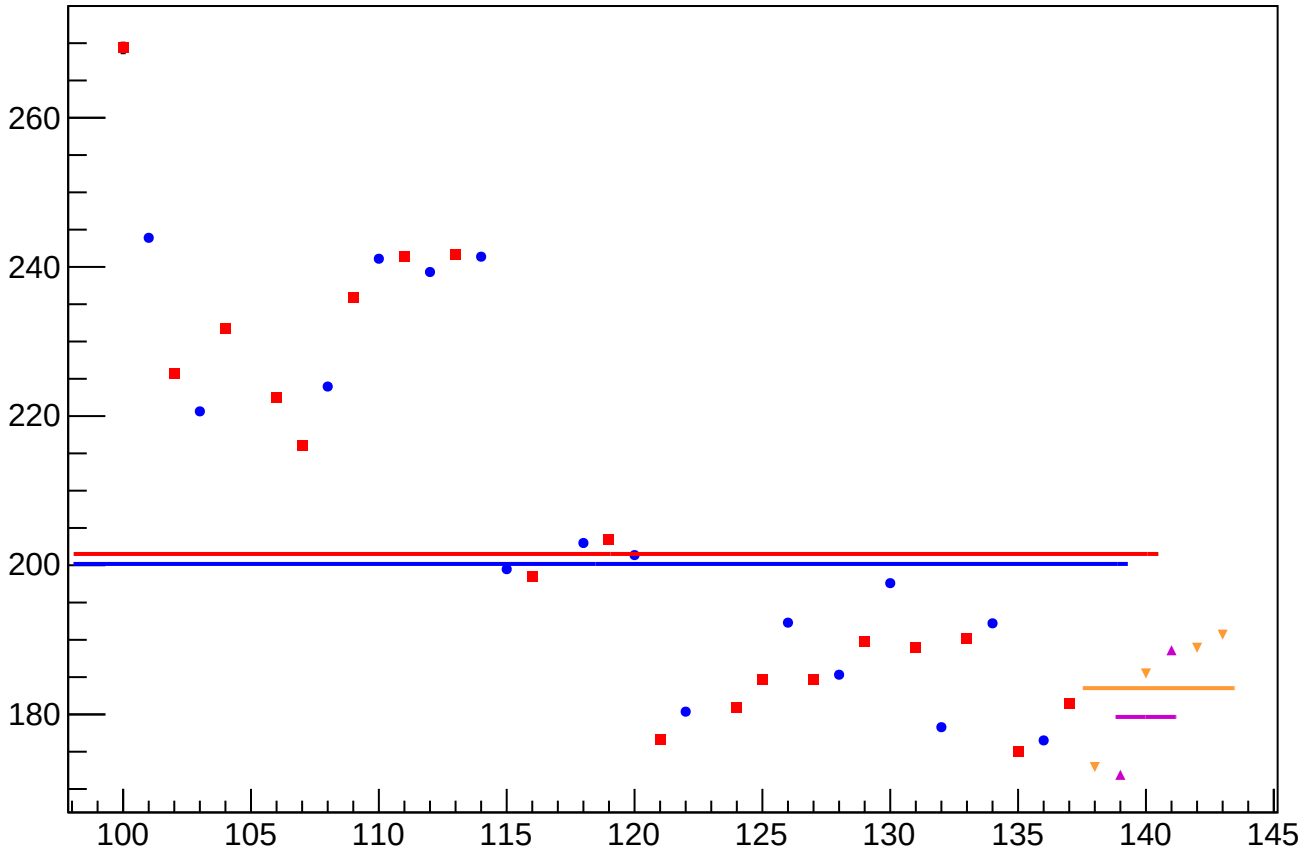
Left: -146.776+/-84.876 χ^2/NDF: 6.9/5

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 177.590+/-65.674 χ^2/NDF:18.1/17

Out: 19.124+/-61.305 χ^2/NDF:27.4/22

All: 92.912+/-44.814 χ^2/NDF: 48.6/40



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.9/1

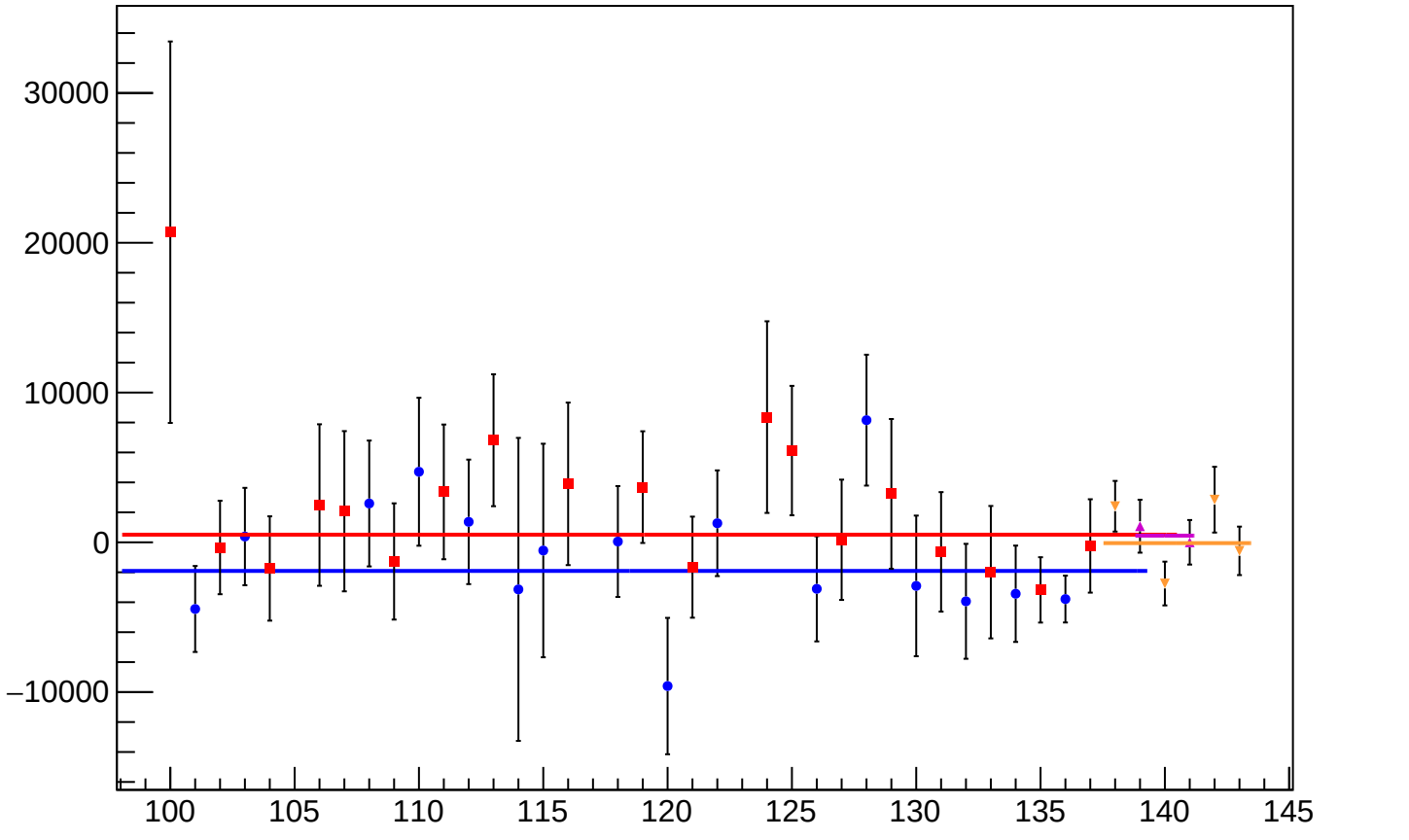
Left: 182.035+/-0.060 χ^2/NDF: 17460.2/5

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.444+/-0.046 χ^2/NDF:223066.1/17

Out: 195.745+/-0.043 χ^2/NDF:242004.5/22

All: 195.605+/-0.032 χ^2/NDF: 465093.2/40



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -52.471+/-842.796 χ^2/NDF:7.4/3

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 446.907+/-1137.847 χ^2/NDF:0.2/1

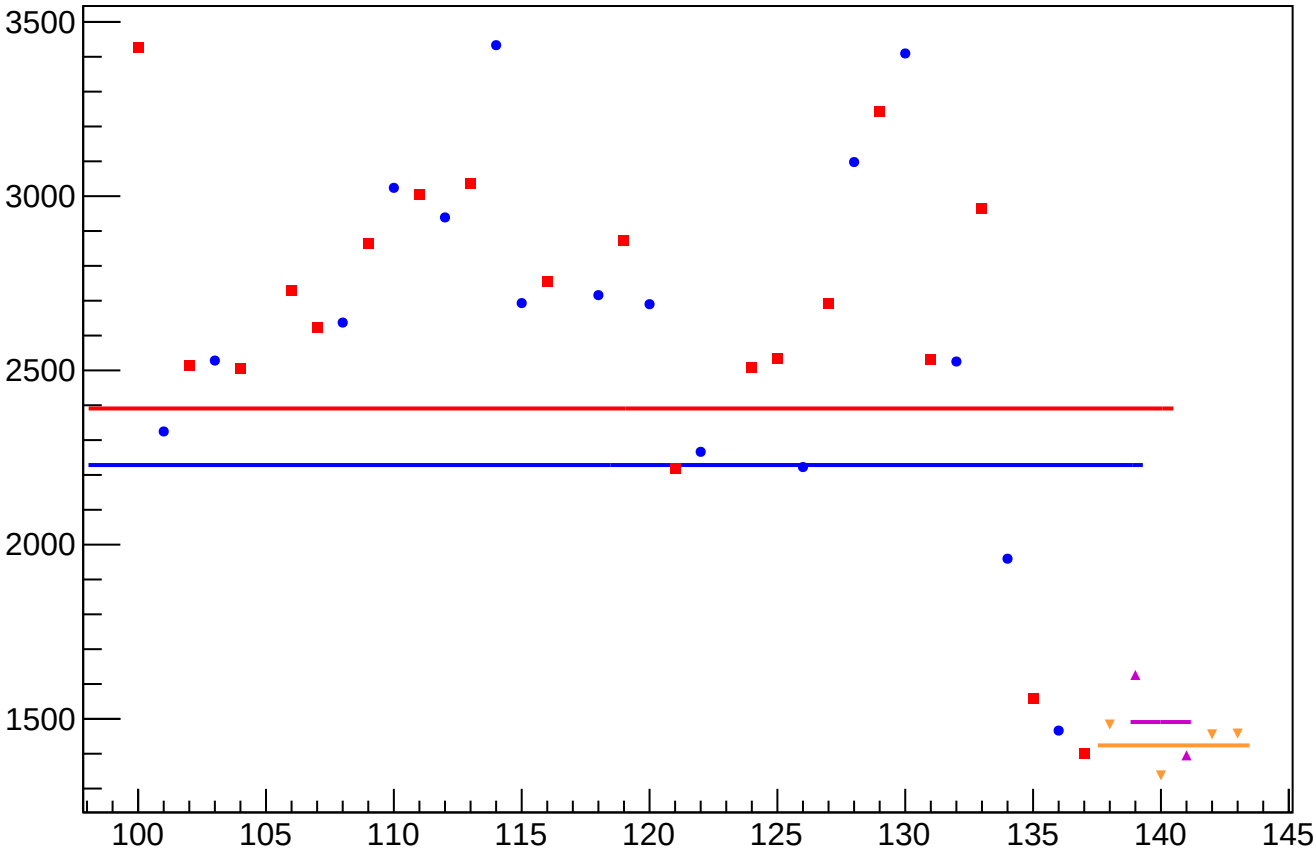
Left: 124.442+/-677.250 χ^2/NDF: 7.7/5

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1054.463+/-685.618 χ^2/NDF:19.2/17

Out: 210.291+/-615.819 χ^2/NDF:21.8/22

All: -354.448+/-458.145 χ^2/NDF: 42.9/40



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10749.3/3

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1490.924+/-0.805 χ^2/NDF:19945.9/1

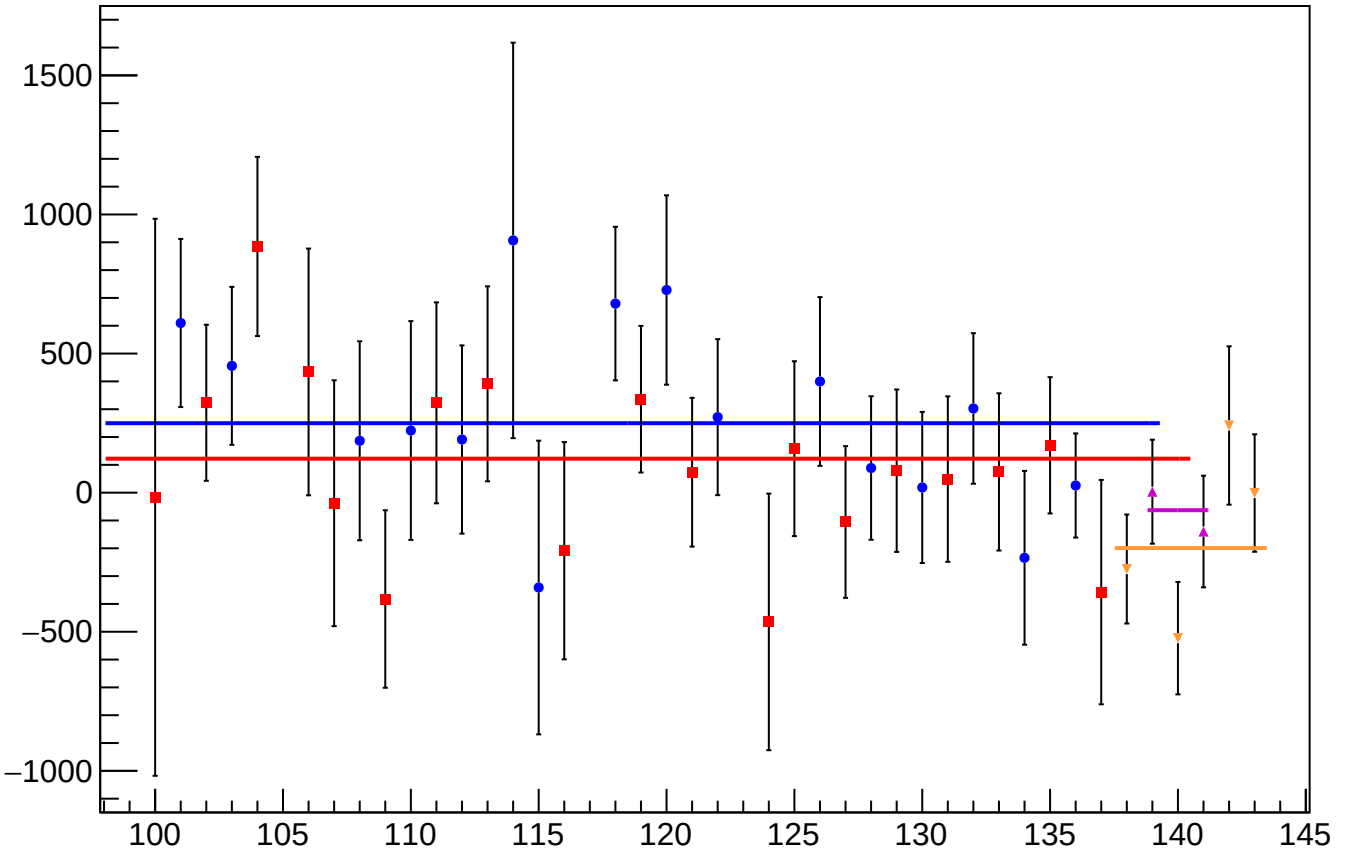
Left: 1447.615+/-0.479 χ^2/NDF: 35182.3/5

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1960.663+/-0.485 χ^2/NDF:1502769.2/17

Out: 1874.515+/-0.435 χ^2/NDF:2027641.8/22

All: 1912.982+/-0.324 χ^2/NDF: 3547887.4/40



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -199.267+/-108.262 χ^2/NDF:6.0/3

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -63.056+/-136.725 χ^2/NDF:0.3/1

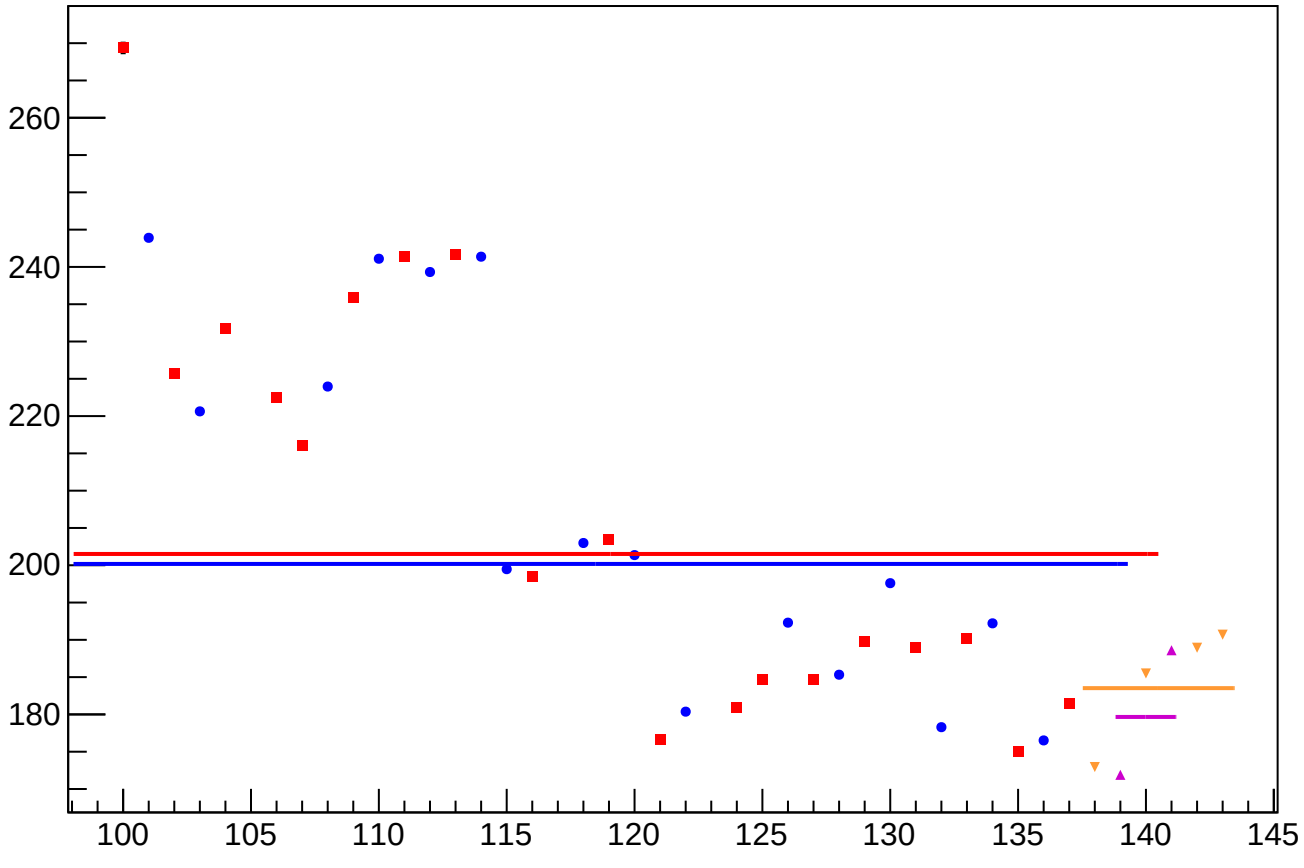
Left: -146.776+/-84.876 χ^2/NDF: 6.9/5

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 177.590+/-65.674 χ^2/NDF:18.1/17

Out: 19.124+/-61.305 χ^2/NDF:27.4/22

All: 92.912+/-44.814 χ^2/NDF: 48.6/40



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 183.524+/-0.077 χ^2/NDF:9054.4/3

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 179.662+/-0.097 χ^2/NDF:7424.9/1

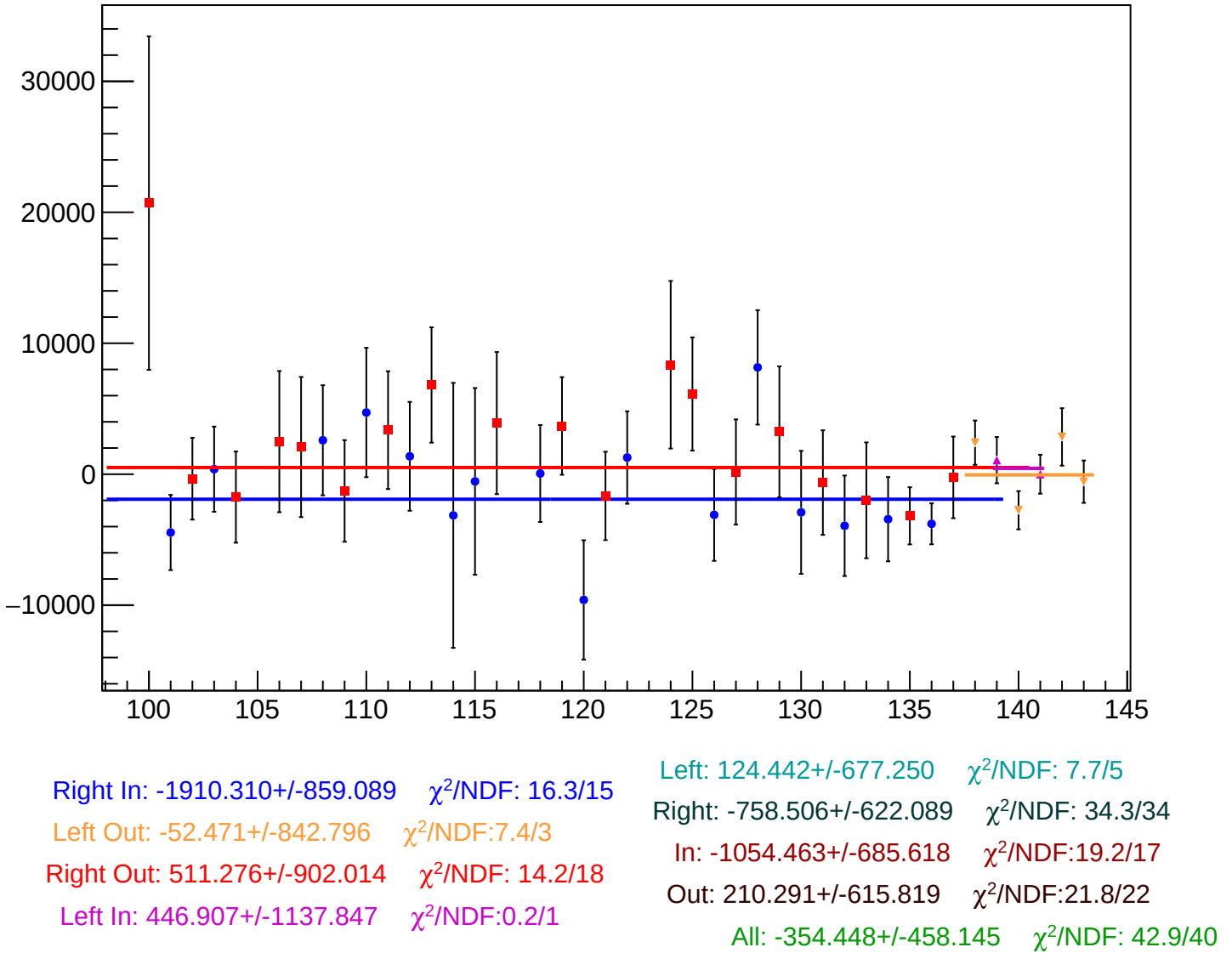
Left: 182.035+/-0.060 χ^2/NDF: 17460.2/5

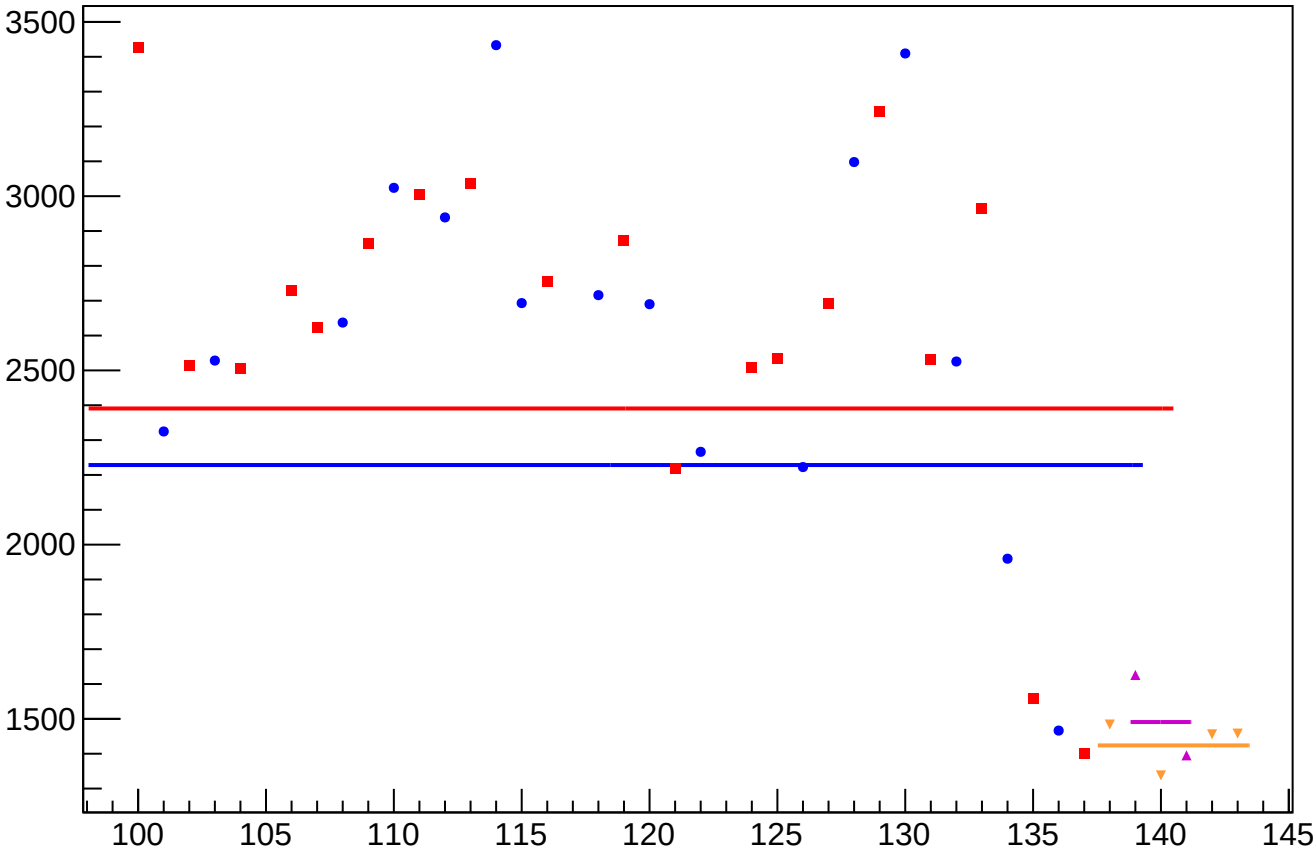
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.444+/-0.046 χ^2/NDF:223066.1/17

Out: 195.745+/-0.043 χ^2/NDF:242004.5/22

All: 195.605+/-0.032 χ^2/NDF: 465093.2/40


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
105
110
115
120
125
130
135
140
145
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -52.471+/-842.796 χ²/NDF:7.4/3
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 446.907+/-1137.847 χ²/NDF:0.2/1
Left: 124.442+/-677.250 χ²/NDF: 7.7/5
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -1054.463+/-685.618 χ²/NDF:19.2/17
Out: 210.291+/-615.819 χ²/NDF:21.8/22
All: -354.448+/-458.145 χ²/NDF: 42.9/40



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1423.855+/-0.596 χ^2/NDF:10749.3/3

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: 1447.615+/-0.479 χ^2/NDF: 35182.3/5

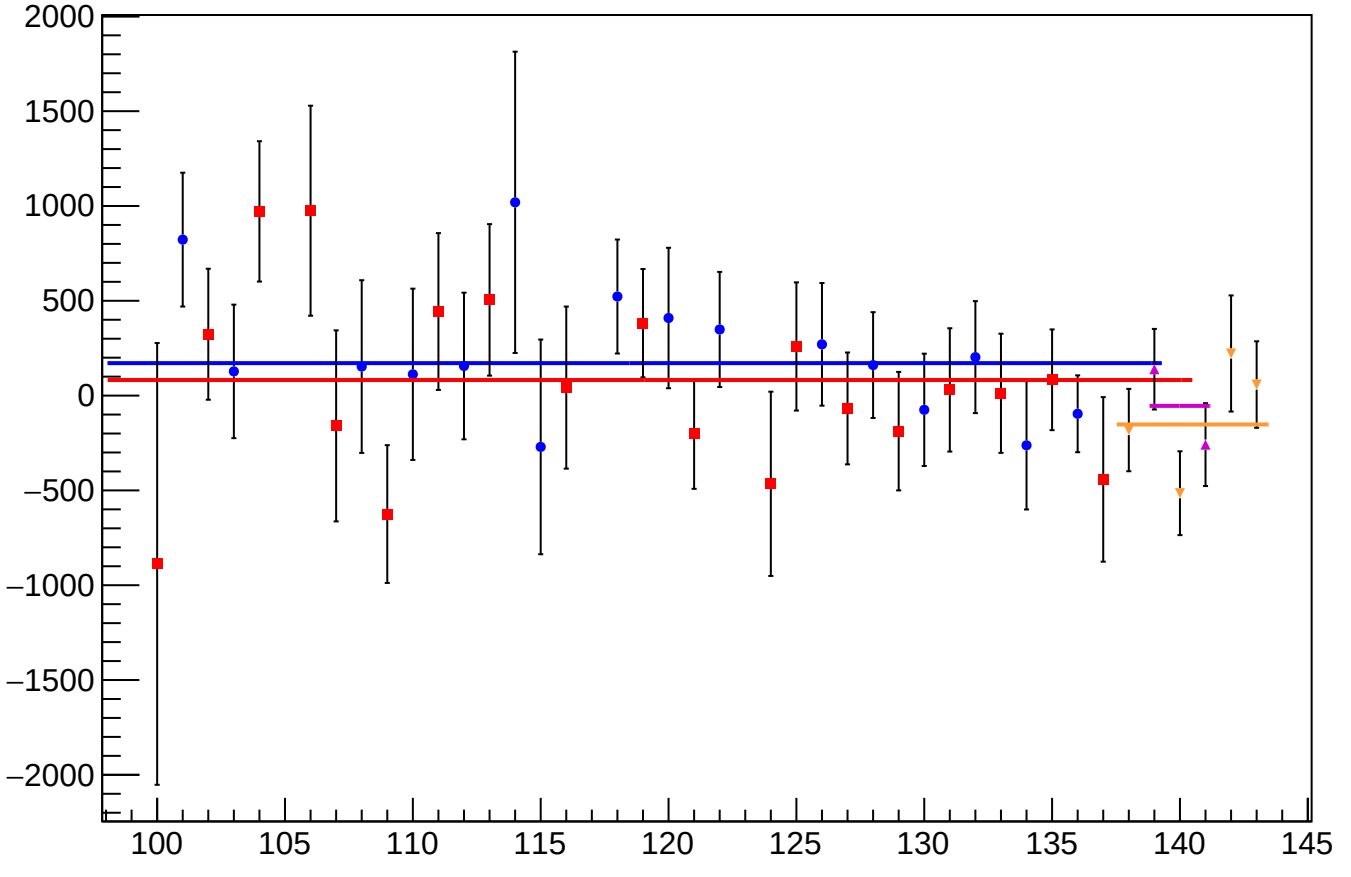
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1960.663+/-0.485 χ^2/NDF:1502769.2/17

Out: 1874.515+/-0.435 χ^2/NDF:2027641.8/22

All: 1912.982+/-0.324 χ^2/NDF: 3547887.4/40

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -152.265+/-118.227 χ^2/NDF:5.1/3

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -54.146+/-152.316 χ^2/NDF:1.7/1

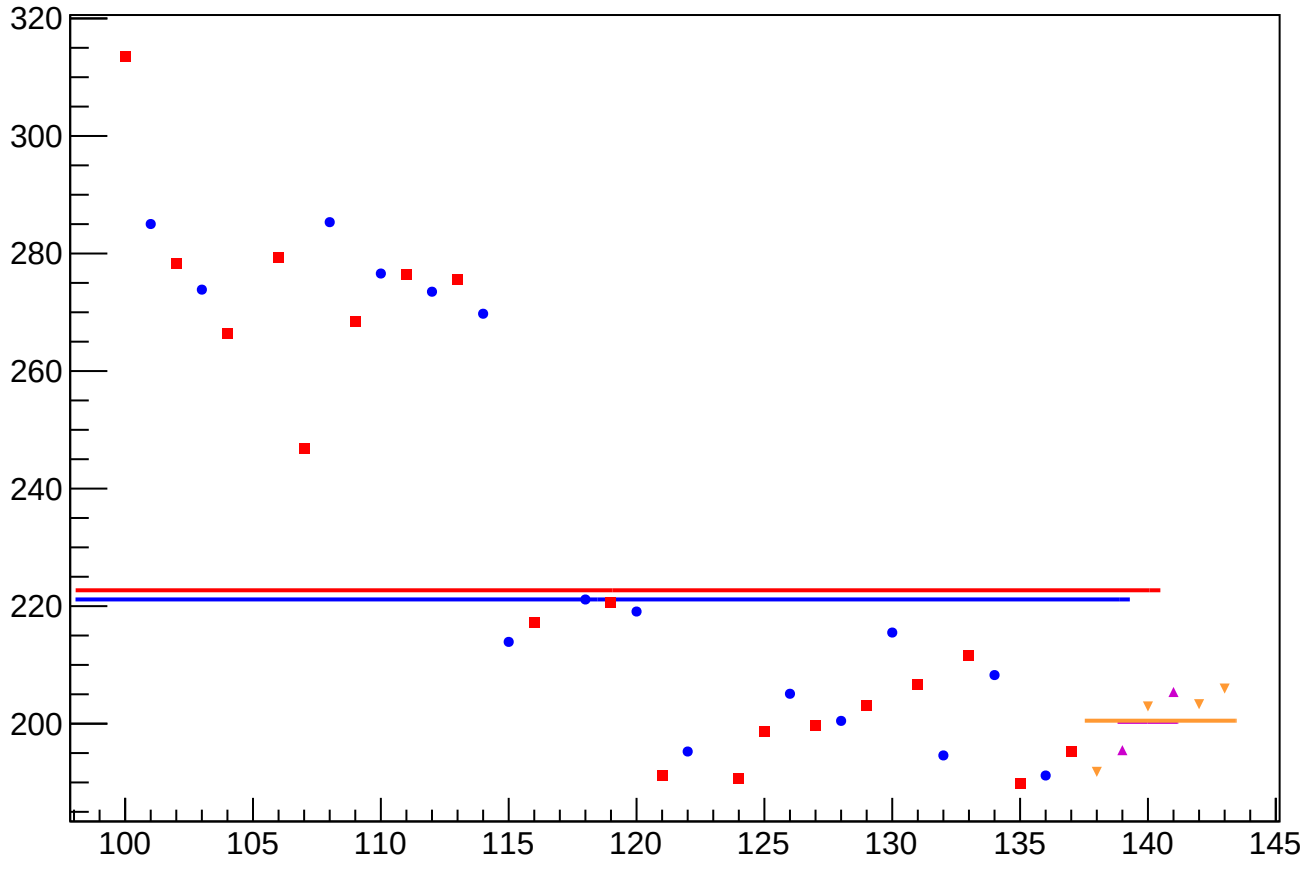
Left: -115.375+/-93.395 χ^2/NDF: 7.0/5

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 119.541+/-72.960 χ^2/NDF:14.9/17

Out: 5.329+/-67.681 χ^2/NDF:29.3/22

All: 58.154+/-49.619 χ^2/NDF: 45.5/40



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 200.508+/-0.084 χ^2/NDF:4768.7/3

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 200.306+/-0.108 χ^2/NDF:2110.1/1

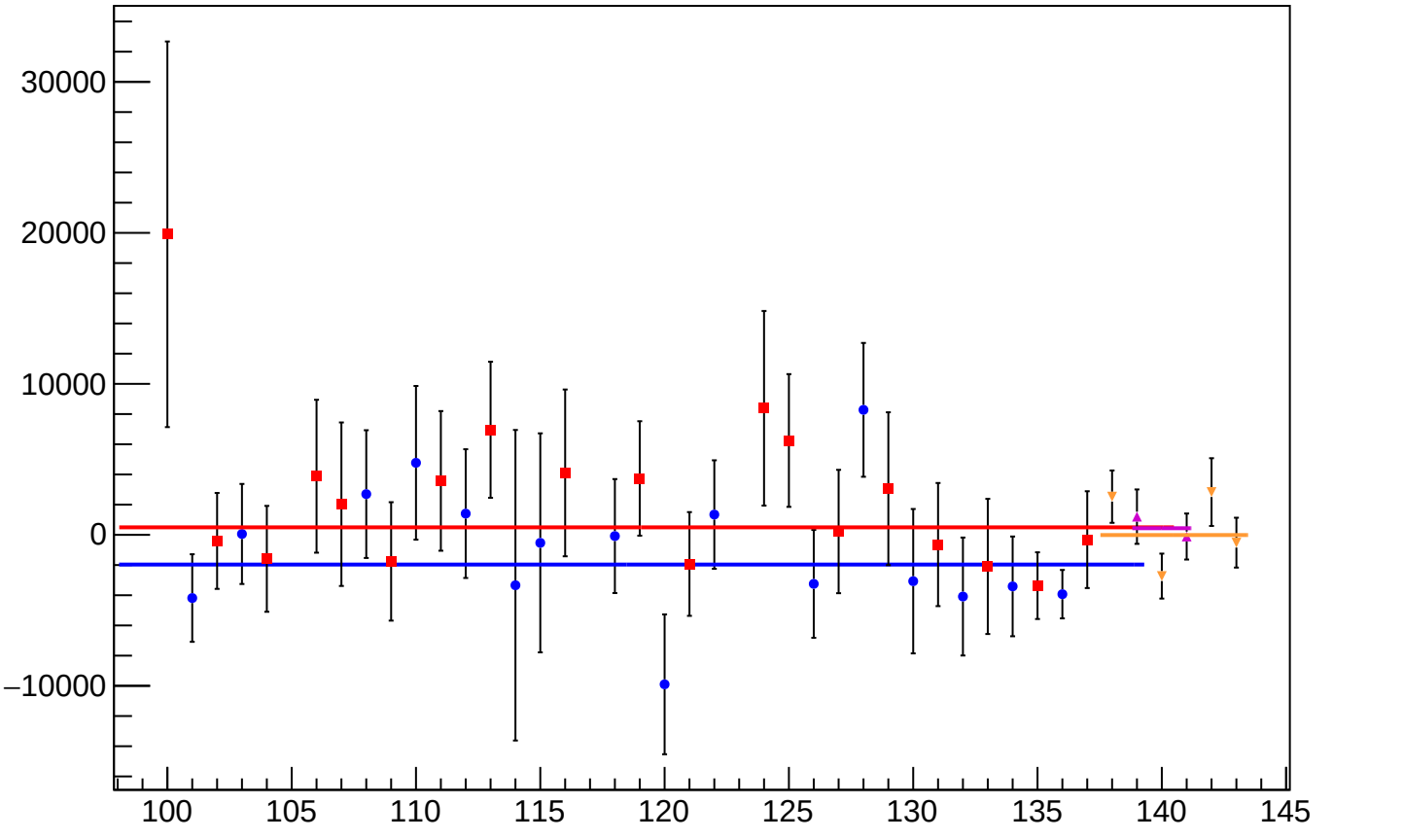
Left: 200.432+/-0.066 χ^2/NDF: 6881.0/5

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 216.359+/-0.052 χ^2/NDF:349643.6/17

Out: 215.425+/-0.048 χ^2/NDF:379164.5/22

All: 215.857+/-0.035 χ^2/NDF: 728984.1/40



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -12.976+/-860.831 χ^2/NDF:7.2/3

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 437.966+/-1163.882 χ^2/NDF:0.3/1

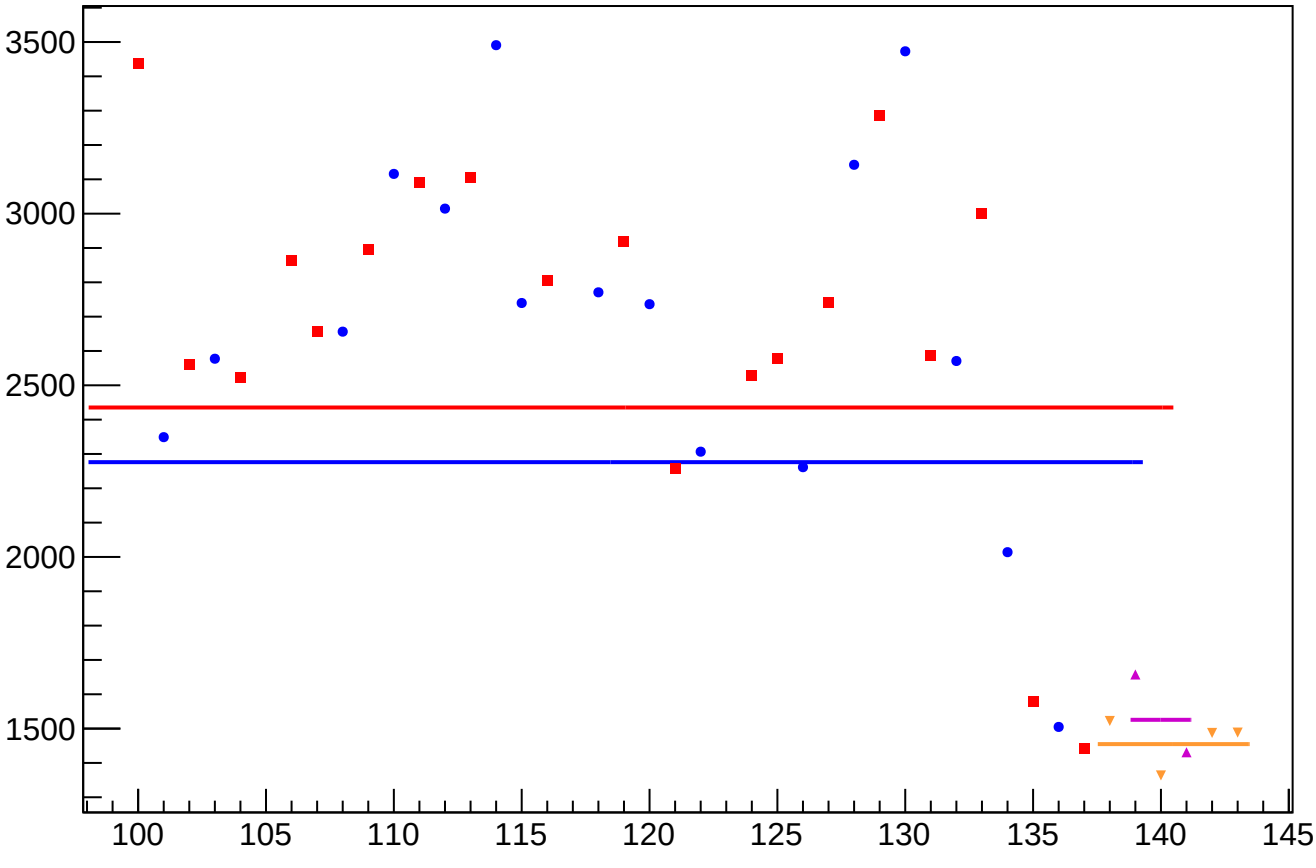
Left: 146.479+/-692.097 χ^2/NDF: 7.6/5

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1096.786+/-700.218 χ^2/NDF:19.2/17

Out: 226.670+/-626.897 χ^2/NDF:22.1/22

All: -362.162+/-467.062 χ^2/NDF: 43.3/40



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1454.816+/-0.609 χ^2/NDF:11783.5/3

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1525.594+/-0.823 χ^2/NDF:18429.3/1

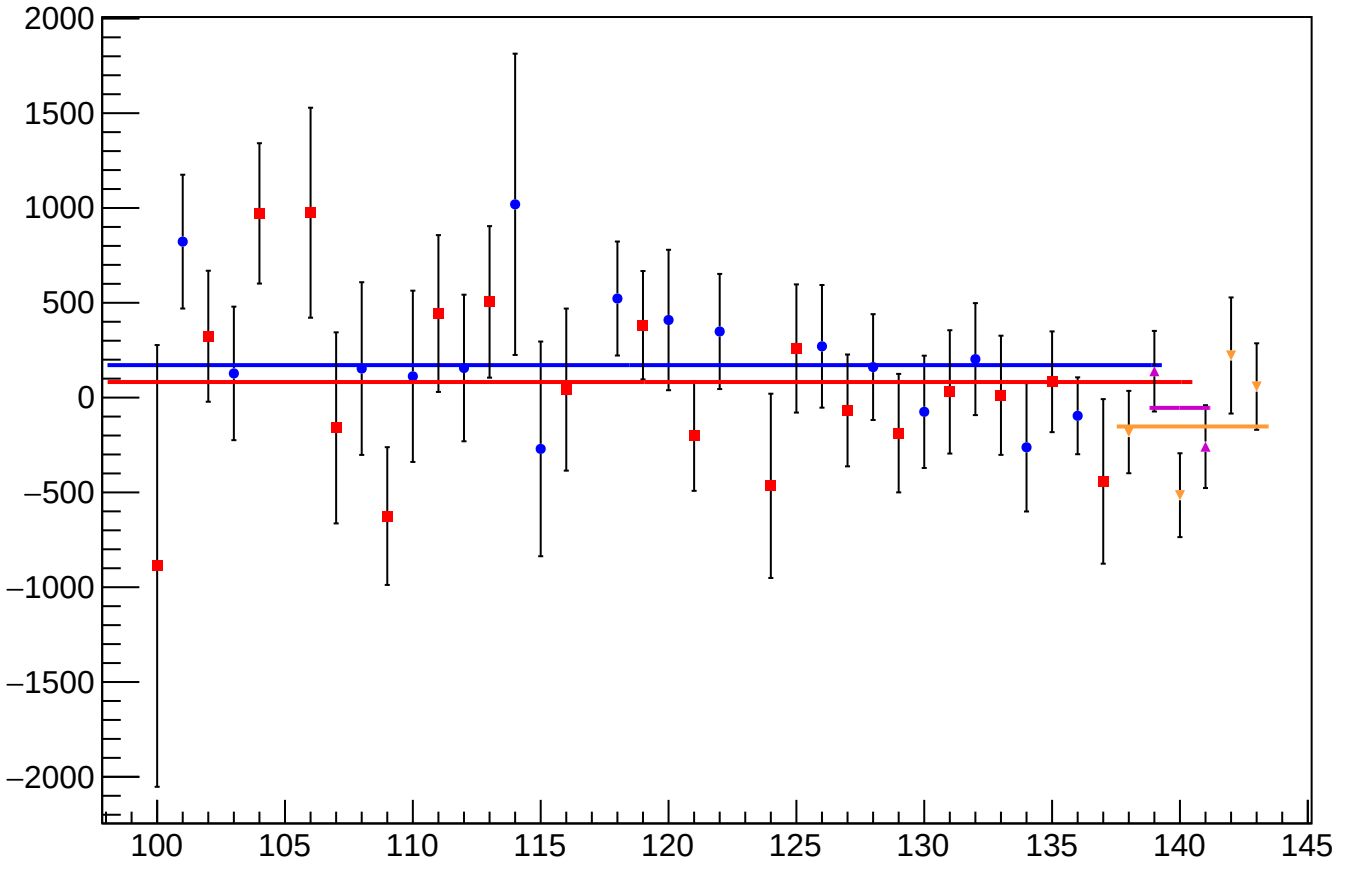
Left: 1479.843+/-0.489 χ^2/NDF: 34993.6/5

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 2004.476+/-0.495 χ^2/NDF:1476070.4/17

Out: 1915.332+/-0.443 χ^2/NDF:2022017.3/22

All: 1954.994+/-0.330 χ^2/NDF: 3516080.8/40



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -152.270+/-118.227 χ^2/NDF:5.1/3

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -54.146+/-152.316 χ^2/NDF:1.7/1

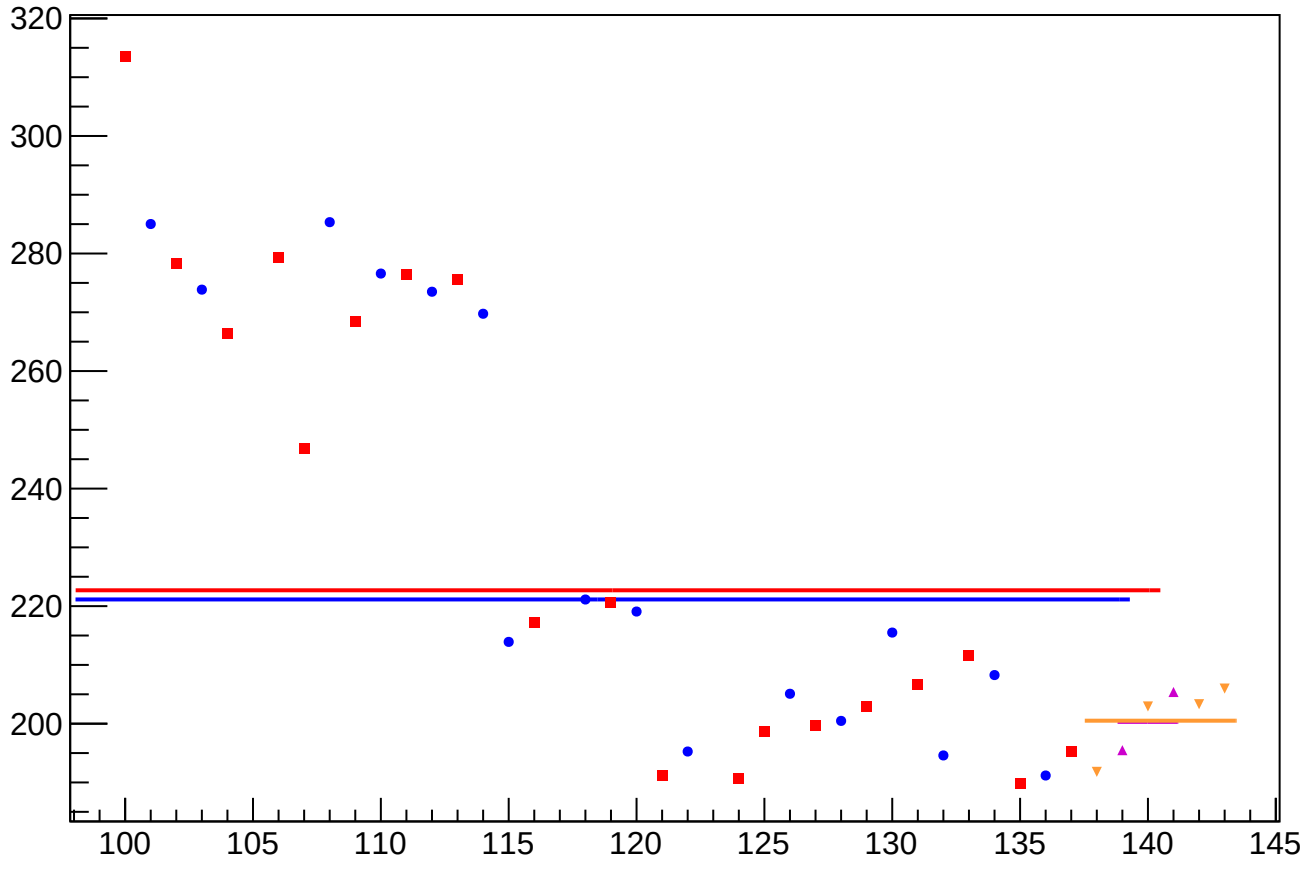
Left: -115.378+/-93.394 χ^2/NDF: 7.0/5

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 119.542+/-72.960 χ^2/NDF:14.9/17

Out: 5.327+/-67.681 χ^2/NDF:29.3/22

All: 58.154+/-49.619 χ^2/NDF: 45.5/40



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 200.508+/-0.084 χ^2/NDF:4768.9/3

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 200.305+/-0.108 χ^2/NDF:2110.3/1

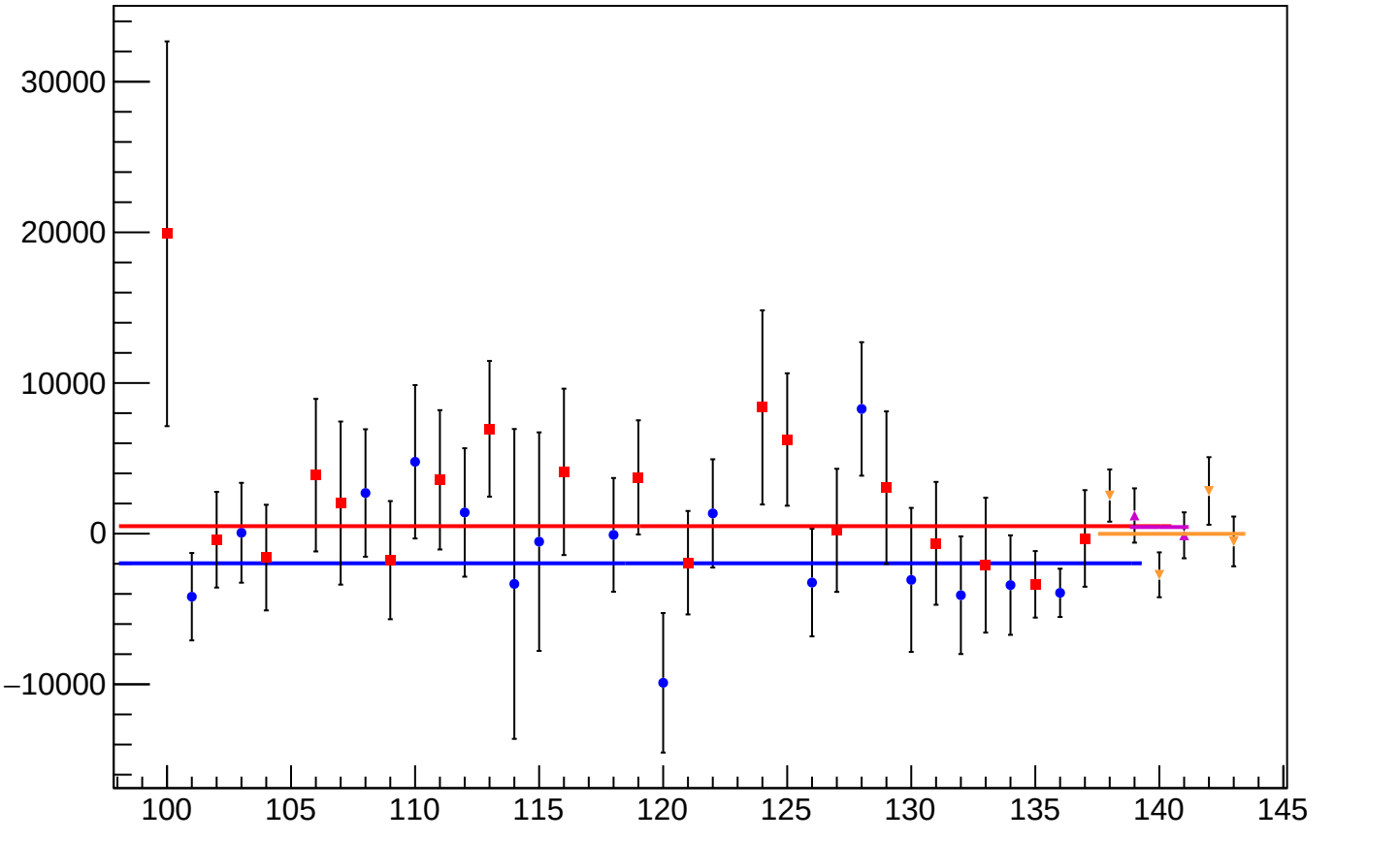
Left: 200.431+/-0.066 χ^2/NDF: 6881.4/5

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 216.358+/-0.052 χ^2/NDF:349636.5/17

Out: 215.425+/-0.048 χ^2/NDF:379154.8/22

All: 215.856+/-0.035 χ^2/NDF: 728967.2/40



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -12.979+/-860.830 χ^2/NDF:7.2/3

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 437.967+/-1163.881 χ^2/NDF:0.3/1

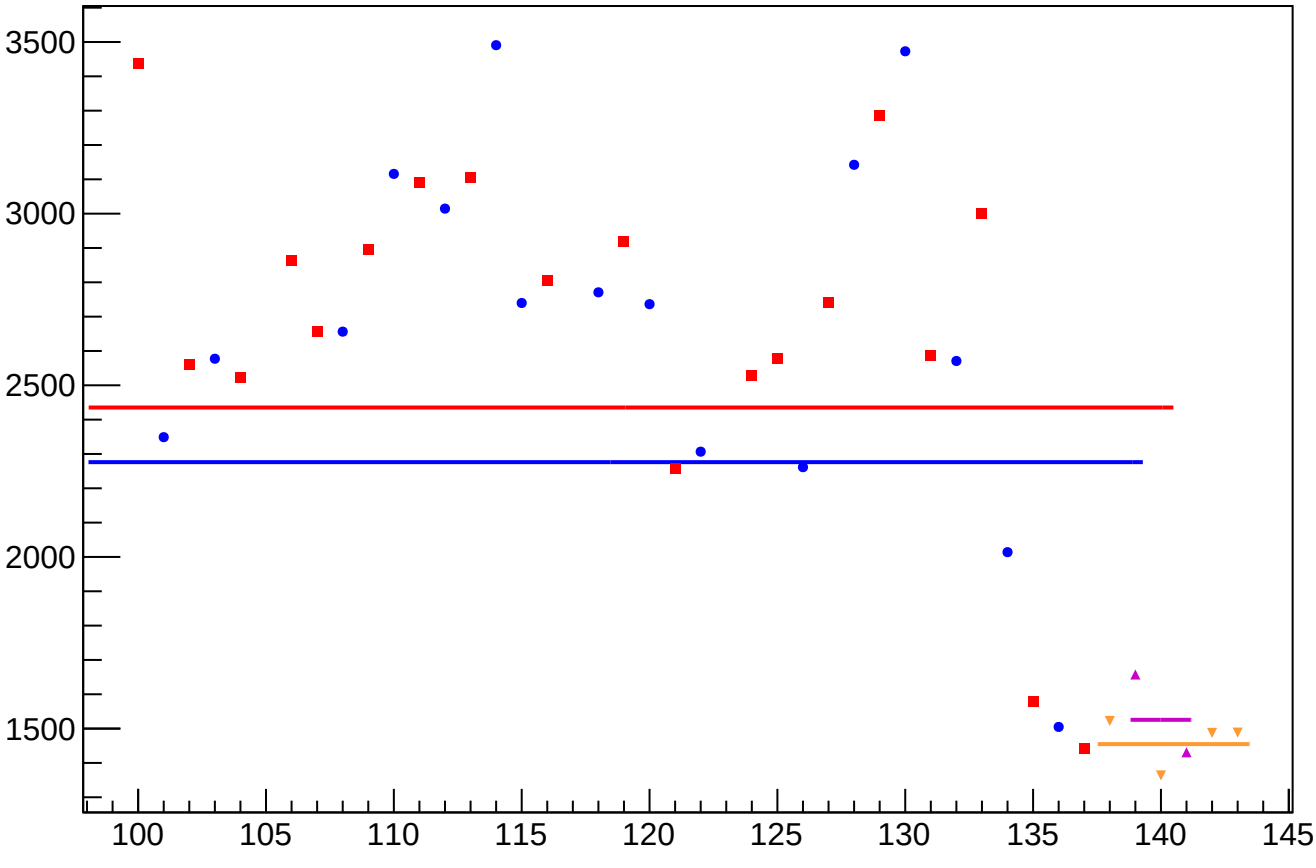
Left: 146.477+/-692.097 χ^2/NDF: 7.6/5

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1096.783+/-700.217 χ^2/NDF:19.2/17

Out: 226.669+/-626.897 χ^2/NDF:22.1/22

All: -362.161+/-467.061 χ^2/NDF: 43.3/40



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1454.816+/-0.609 χ^2/NDF:11783.3/3

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: 1479.843+/-0.489 χ^2/NDF: 34992.8/5

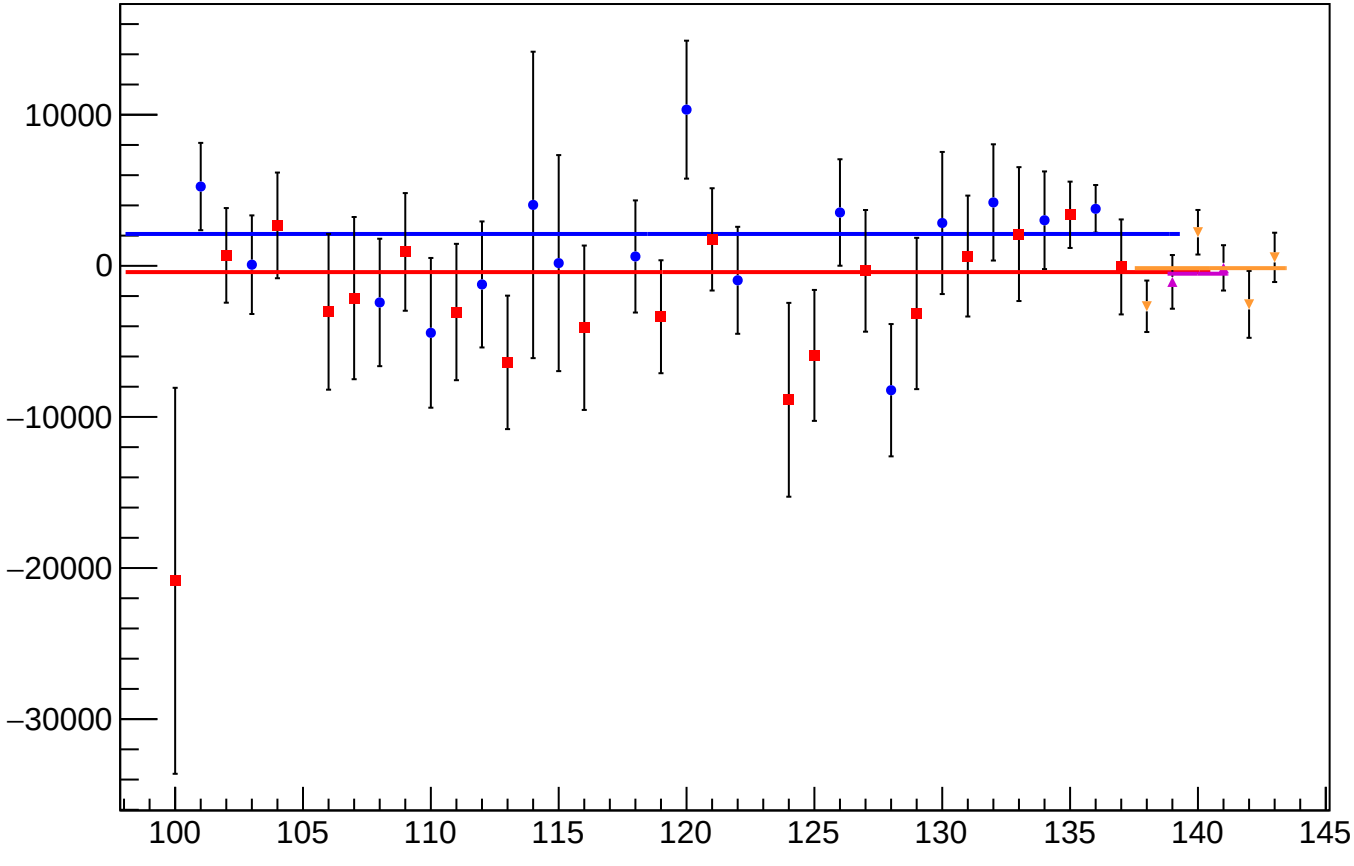
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 2004.474+/-0.495 χ^2/NDF:1476059.6/17

Out: 1915.330+/-0.443 χ^2/NDF:2022006.1/22

All: 1954.992+/-0.330 χ^2/NDF: 3516058.5/40

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: -152.669+/-850.027 χ^2/NDF:6.2/3

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: -283.017+/-682.856 χ^2/NDF: 6.4/5

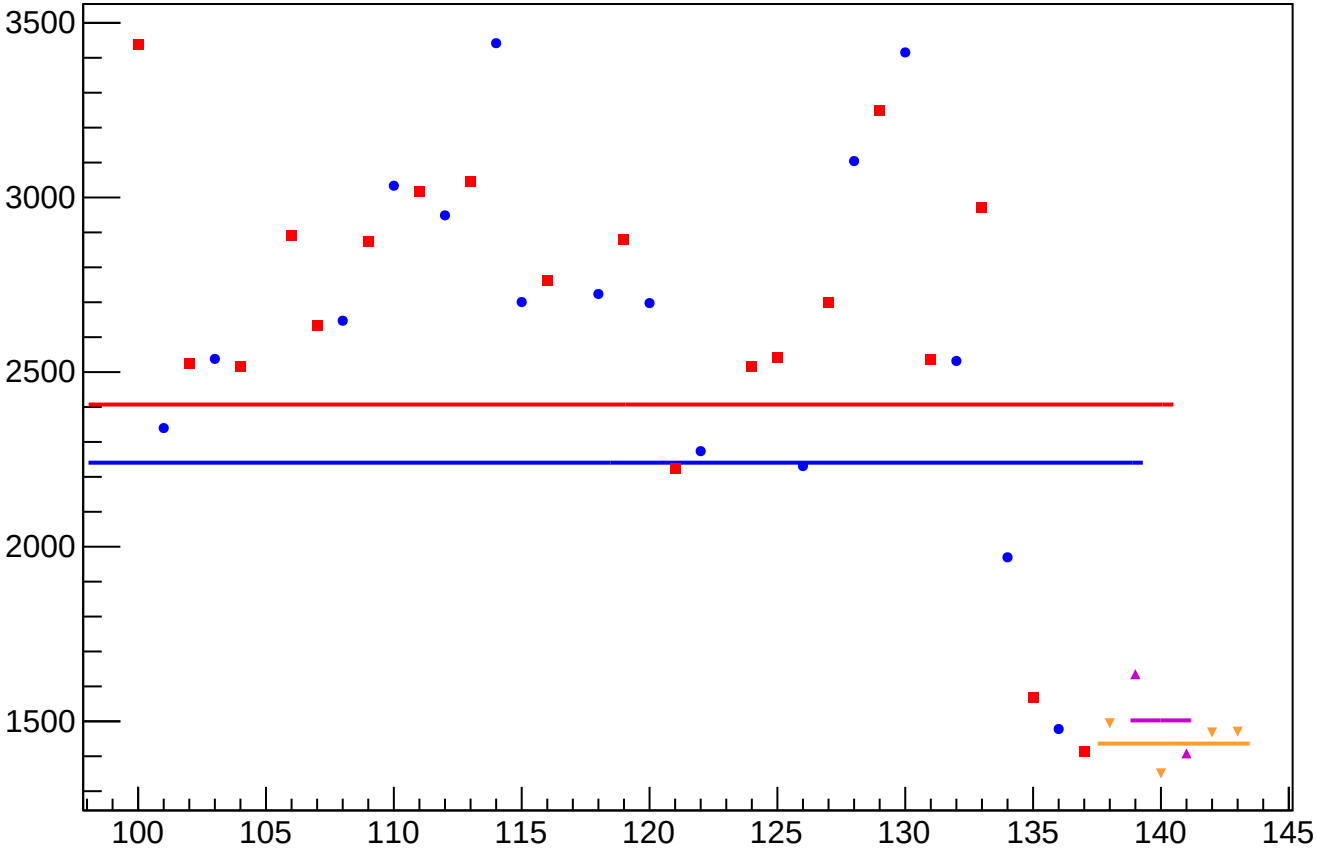
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1158.169+/-689.676 χ^2/NDF:20.1/17

Out: -275.285+/-619.395 χ^2/NDF:20.9/22

All: 364.704+/-460.829 χ^2/NDF: 43.4/40

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1436.275+/-0.601 χ^2/NDF:10321.5/3

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1502.719+/-0.811 χ^2/NDF:19000.6/1

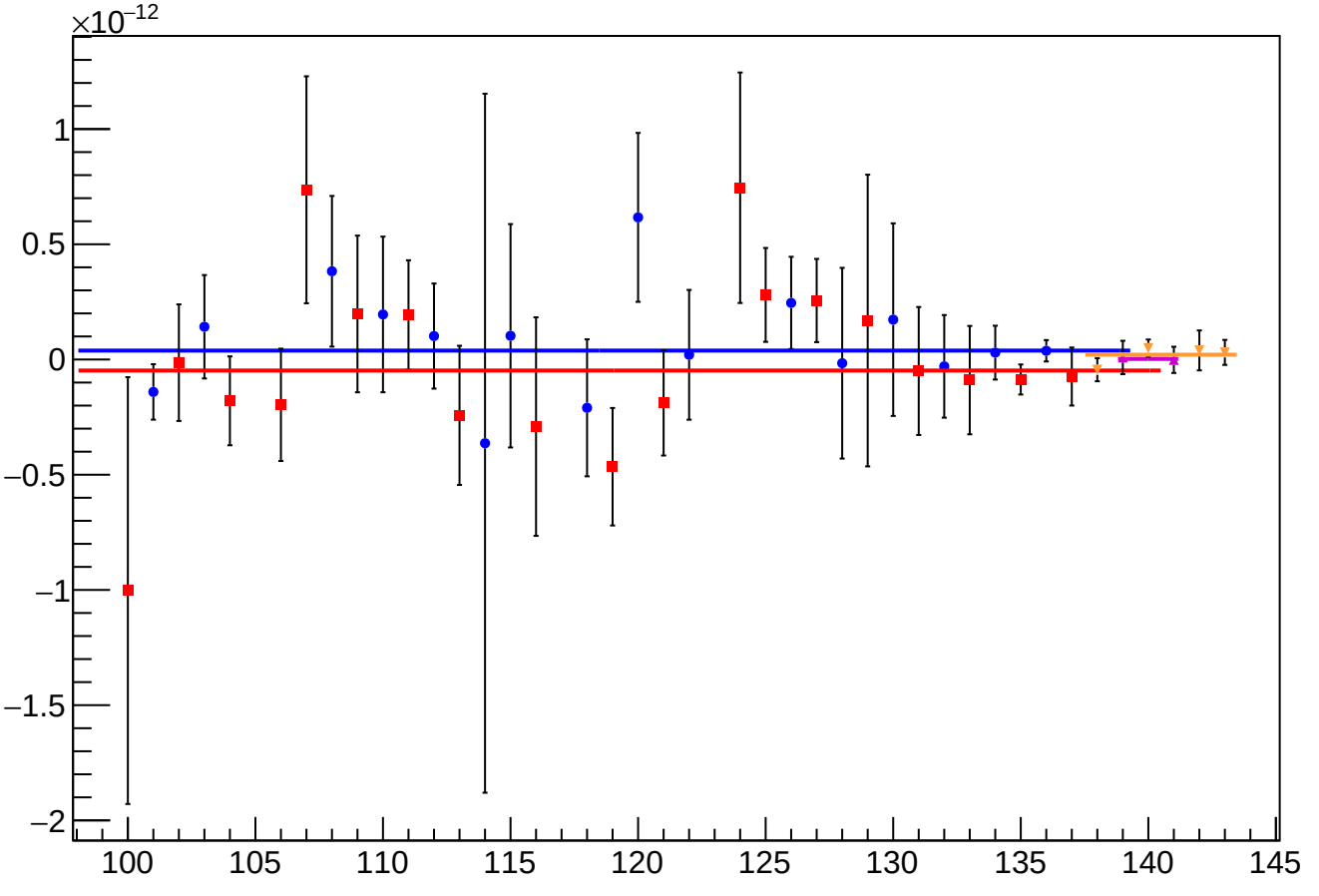
Left: 1459.839+/-0.483 χ^2/NDF: 33656.0/5

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1973.672+/-0.488 χ^2/NDF:1481225.1/17

Out: 1891.632+/-0.438 χ^2/NDF:2022981.8/22

All: 1928.260+/-0.326 χ^2/NDF: 3519871.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

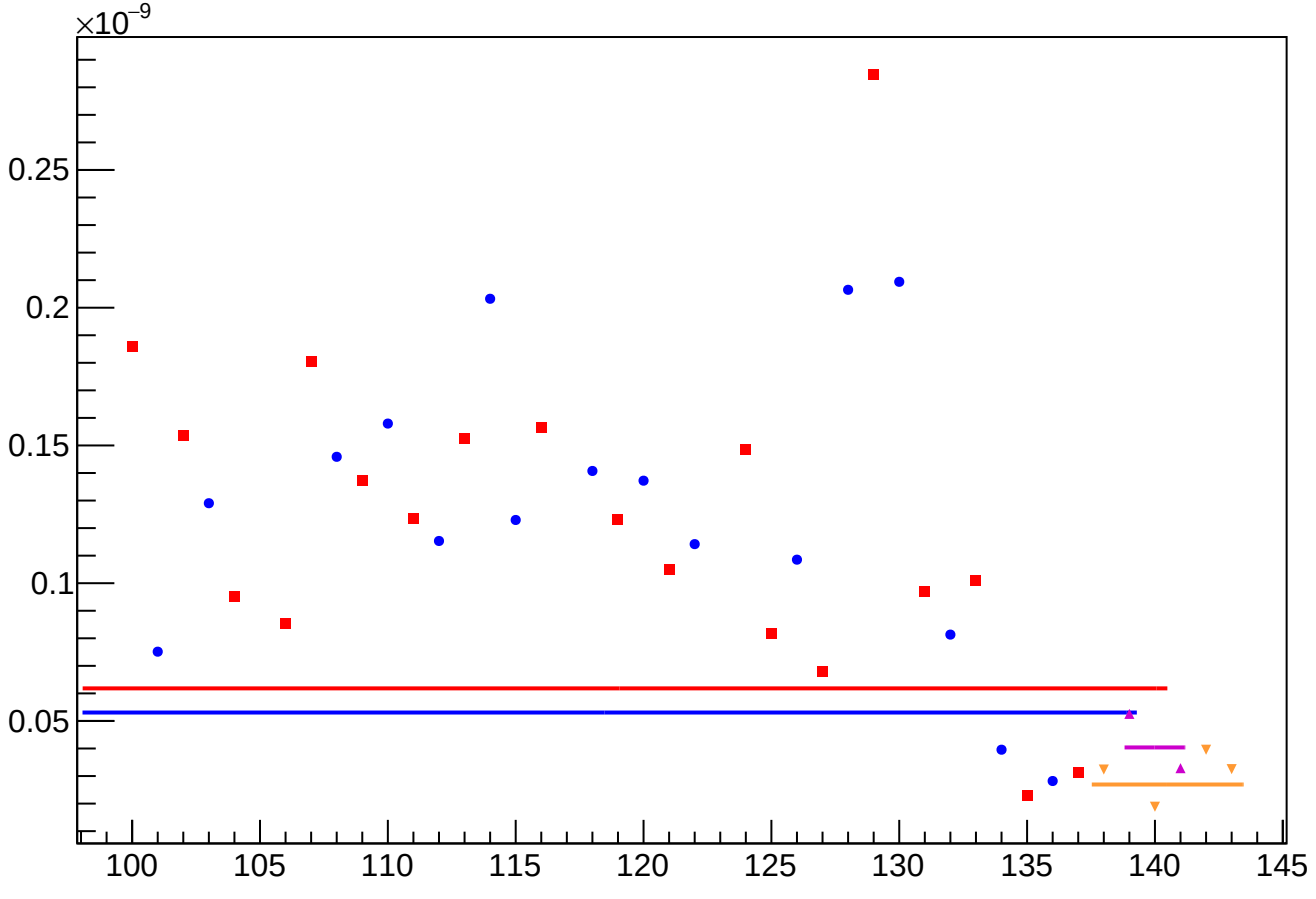
Left: 0.000+/-0.000 χ^2/NDF: 2.5/5

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:22.5/22

All: 0.000+/-0.000 χ^2/NDF: 31.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:179900.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:91801.2/1

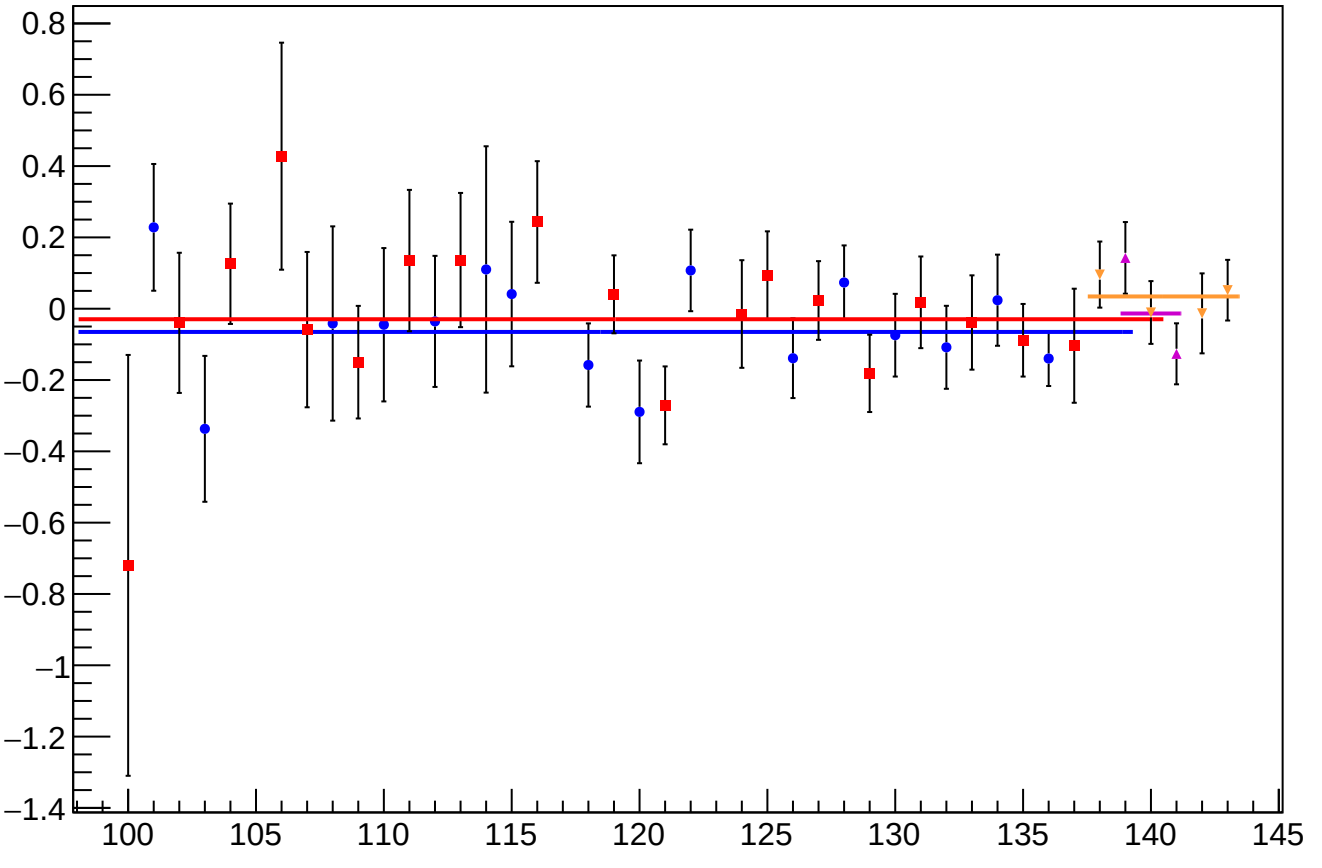
Left: 0.000+/-0.000 χ^2/NDF: 409445.5/5

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:3566365.0/22

All: 0.000+/-0.000 χ^2/NDF: 6570692.7/40



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

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: 0.018+/-0.038 χ^2/NDF: 5.4/5

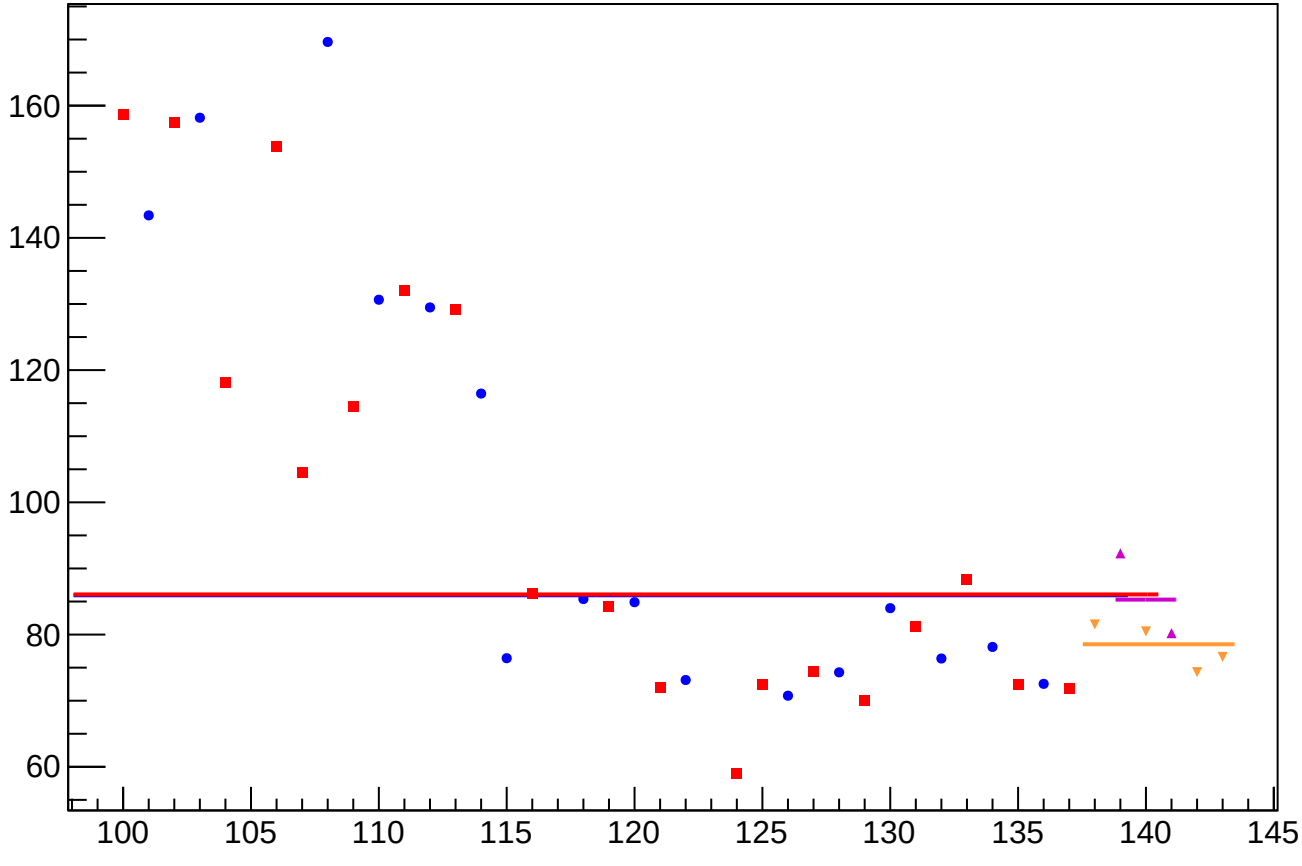
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.054+/-0.030 χ^2/NDF:18.8/17

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.029+/-0.020 χ^2/NDF: 40.4/40

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: 78.537+/-0.033 χ^2/NDF:6915.9/3

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: 80.814+/-0.027 χ^2/NDF: 37888.9/5

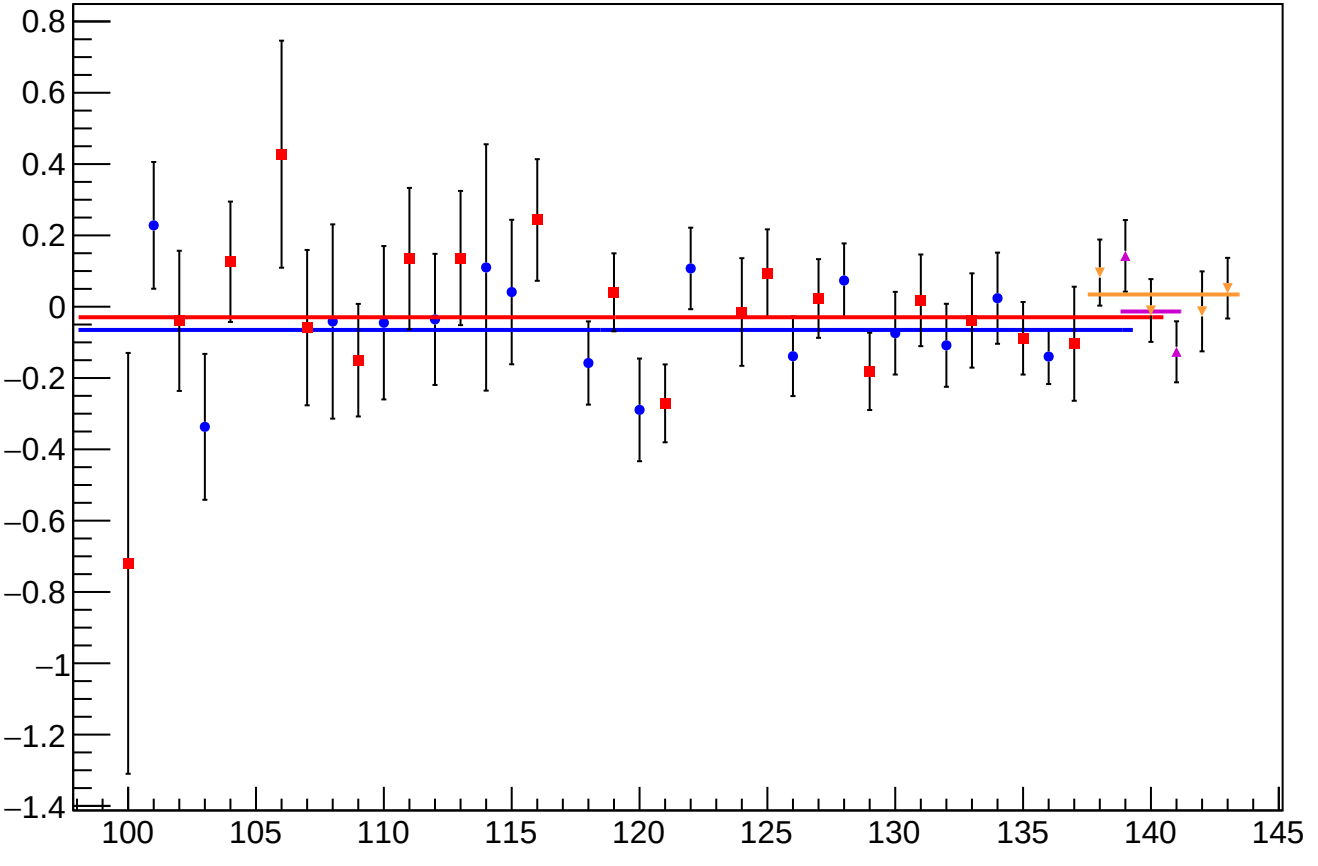
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.810+/-0.021 χ^2/NDF:1051891.3/17

Out: 83.549+/-0.019 χ^2/NDF:1033288.0/22

All: 84.569+/-0.014 χ^2/NDF: 2091555.9/40

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: 0.034+/-0.046 χ^2/NDF:0.9/3

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: 0.018+/-0.038 χ^2/NDF: 5.4/5

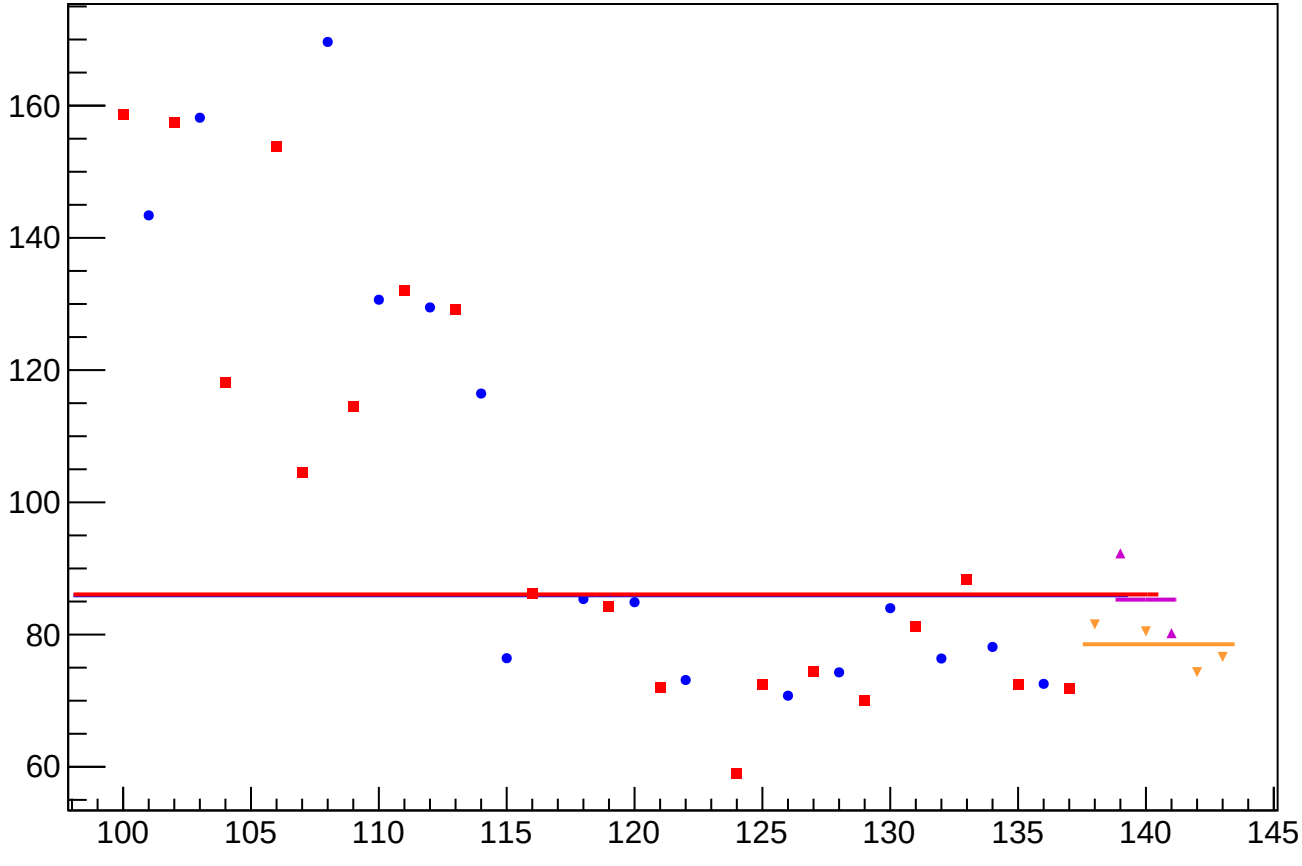
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.054+/-0.030 χ^2/NDF:18.8/17

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.029+/-0.020 χ^2/NDF: 40.4/40

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: 78.537+/-0.033 χ^2/NDF:6915.9/3

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.290+/-0.046 χ^2/NDF:16726.1/1

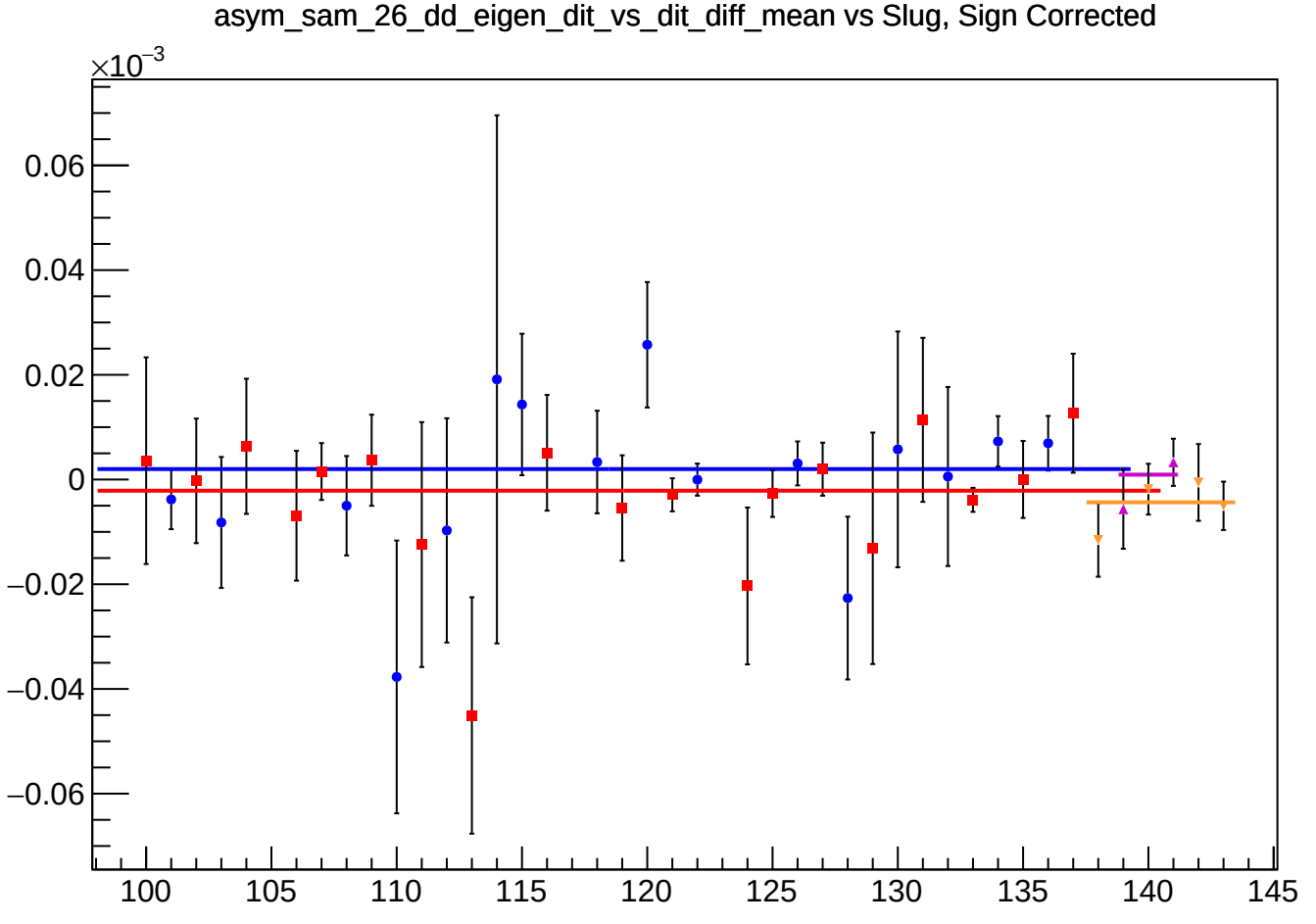
Left: 80.814+/-0.027 χ^2/NDF: 37888.9/5

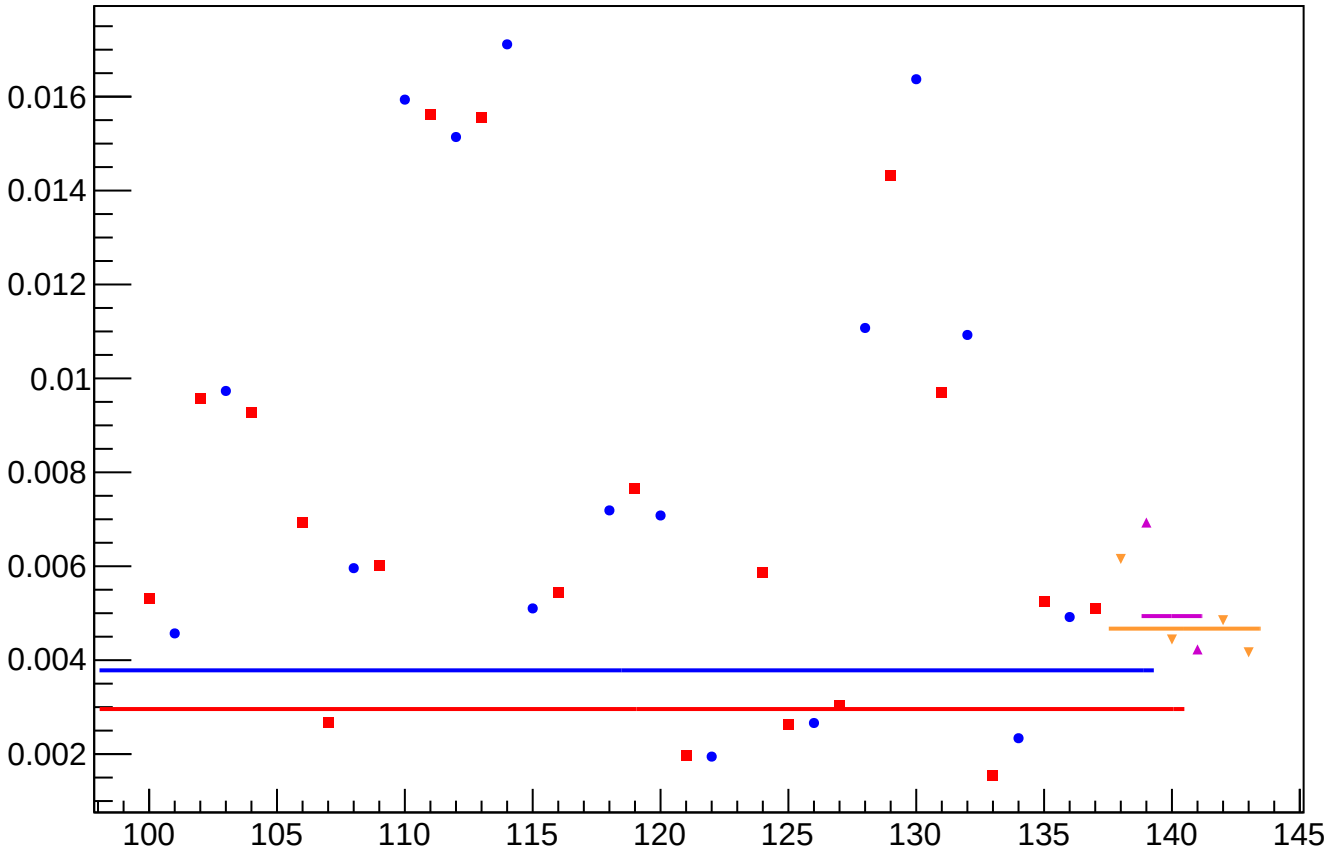
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.810+/-0.021 χ^2/NDF:1051891.3/17

Out: 83.549+/-0.019 χ^2/NDF:1033288.0/22

All: 84.569+/-0.014 χ^2/NDF: 2091555.9/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:1.6/3
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: 3.9/5
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:13.6/22
All: -0.000+/-0.000 χ²/NDF: 34.3/40



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:118951.9/3

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: 314275.7/5

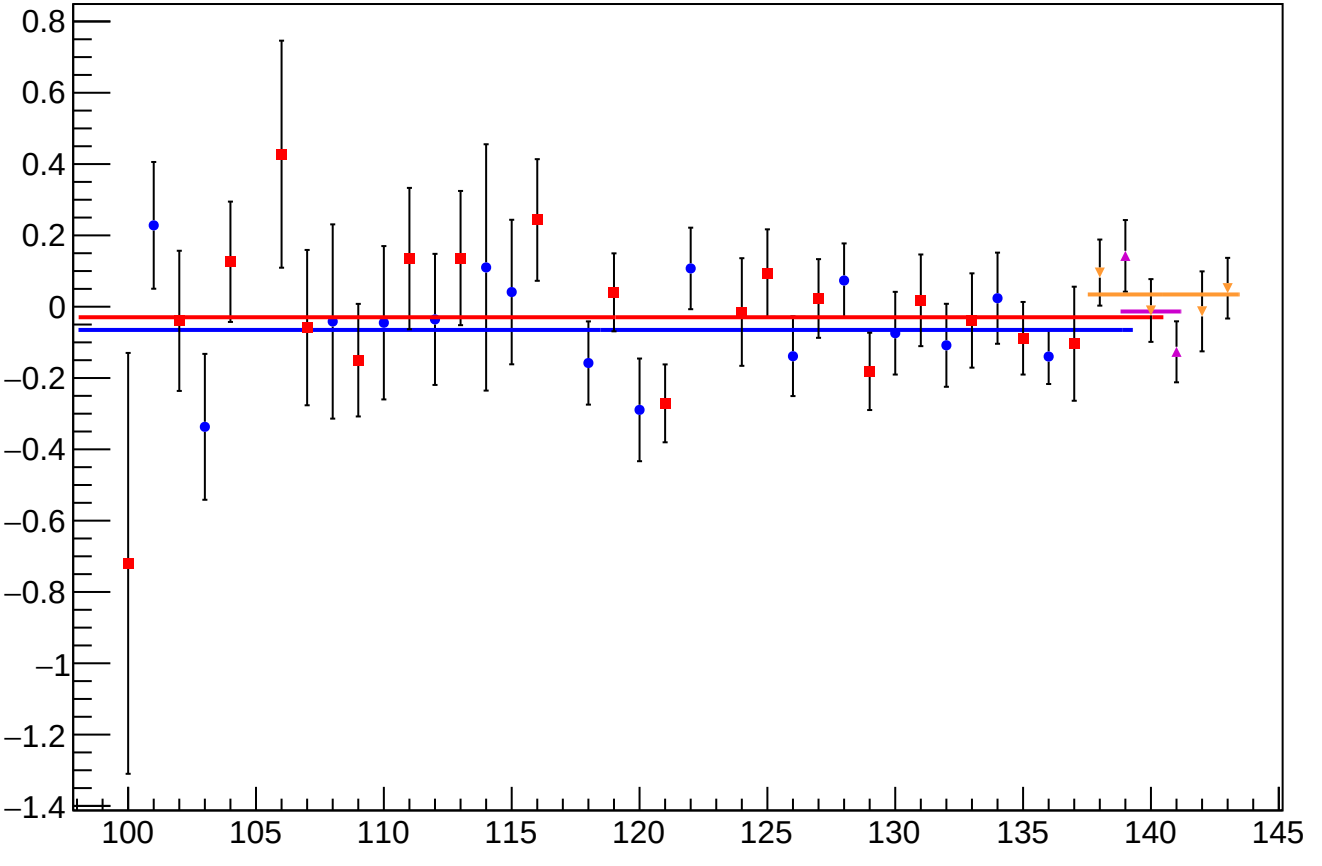
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5031549.7/17

Out: 0.003+/-0.000 χ^2/NDF:6267473.0/22

All: 0.004+/-0.000 χ^2/NDF: 11521116.2/40

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.034+/-0.046 χ^2/NDF:0.9/3

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: 0.018+/-0.038 χ^2/NDF: 5.4/5

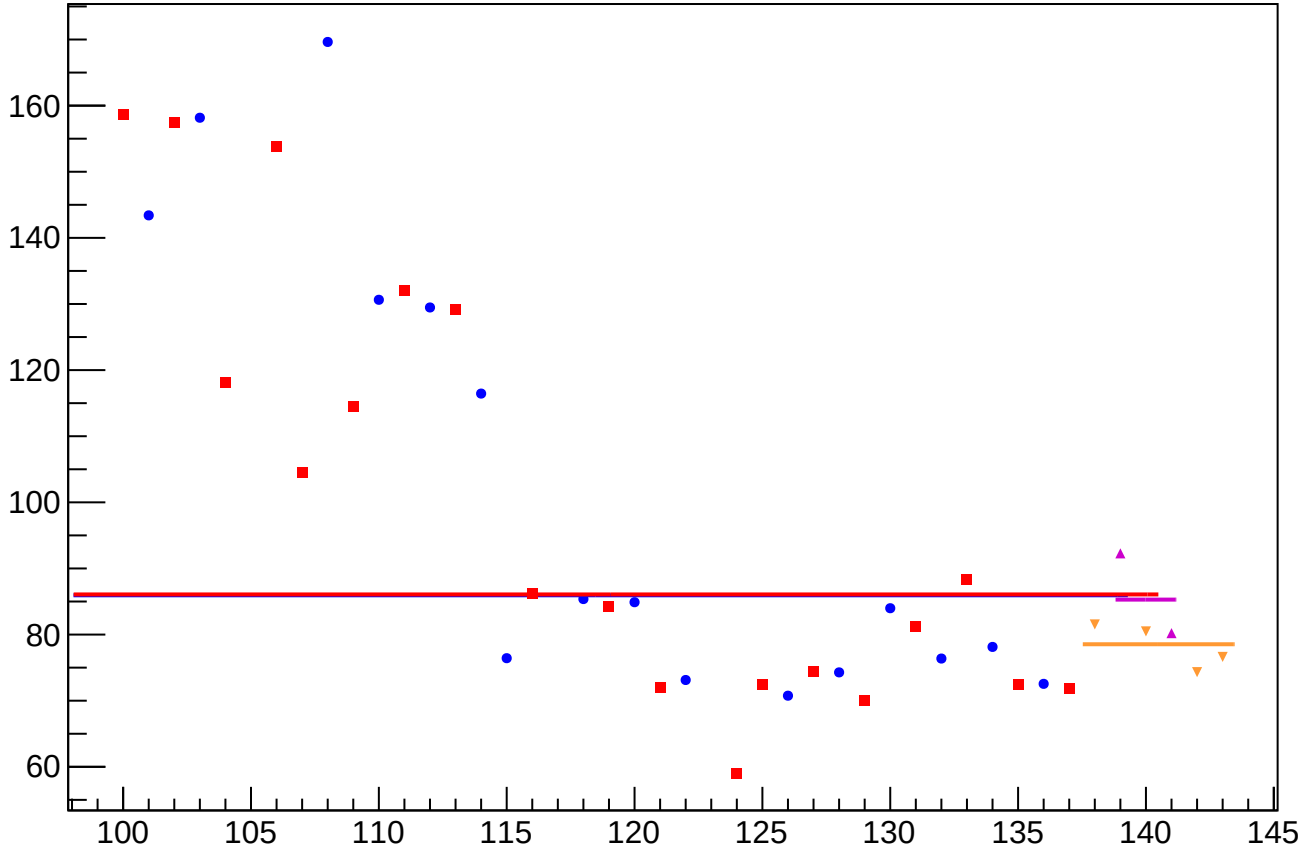
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.054+/-0.030 χ^2/NDF:18.8/17

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.029+/-0.020 χ^2/NDF: 40.4/40

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: 78.536+/-0.033 χ^2/NDF:6914.0/3

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: 80.813+/-0.027 χ^2/NDF: 37884.2/5

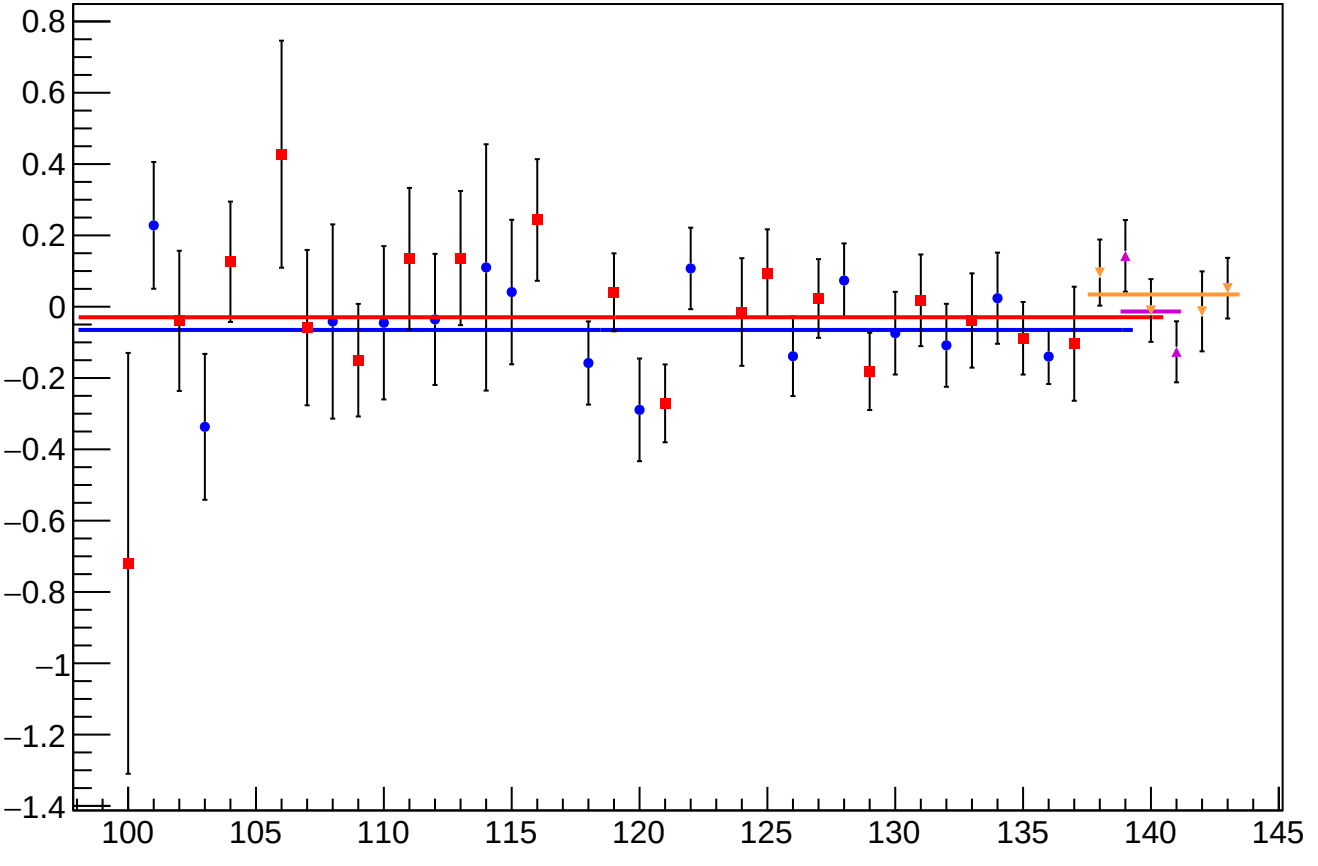
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.807+/-0.021 χ^2/NDF:1051870.4/17

Out: 83.548+/-0.019 χ^2/NDF:1033264.6/22

All: 84.567+/-0.014 χ^2/NDF: 2091508.5/40

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: 0.034+/-0.046 χ^2/NDF:0.9/3

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: 0.018+/-0.038 χ^2/NDF: 5.4/5

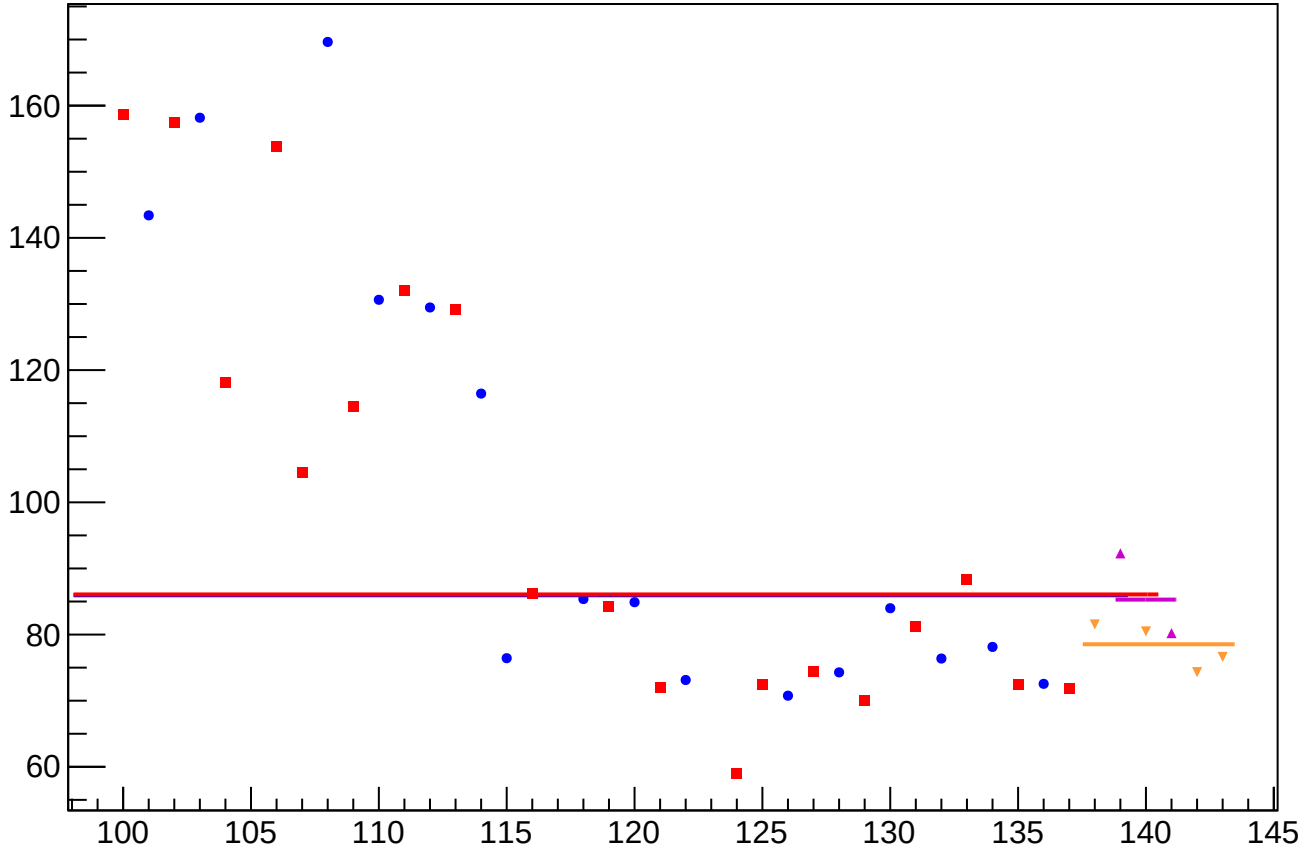
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.054+/-0.030 χ^2/NDF:18.8/17

Out: -0.008+/-0.027 χ^2/NDF:20.3/22

All: -0.029+/-0.020 χ^2/NDF: 40.4/40

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: 78.536+/-0.033 χ^2/NDF:6914.0/3

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.289+/-0.046 χ^2/NDF:16724.0/1

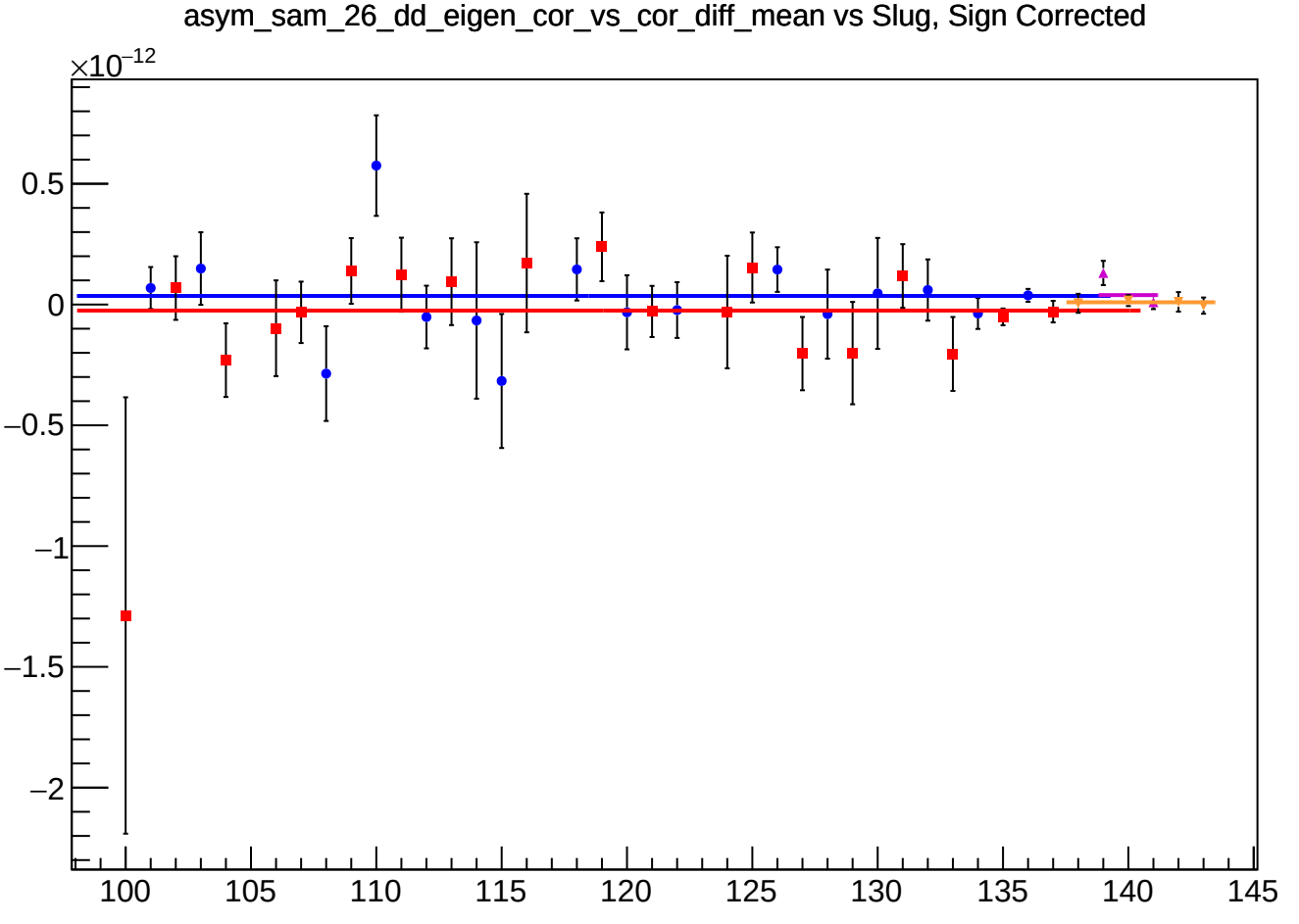
Left: 80.813+/-0.027 χ^2/NDF: 37884.2/5

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.807+/-0.021 χ^2/NDF:1051870.4/17

Out: 83.548+/-0.019 χ^2/NDF:1033264.6/22

All: 84.567+/-0.014 χ^2/NDF: 2091508.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/1

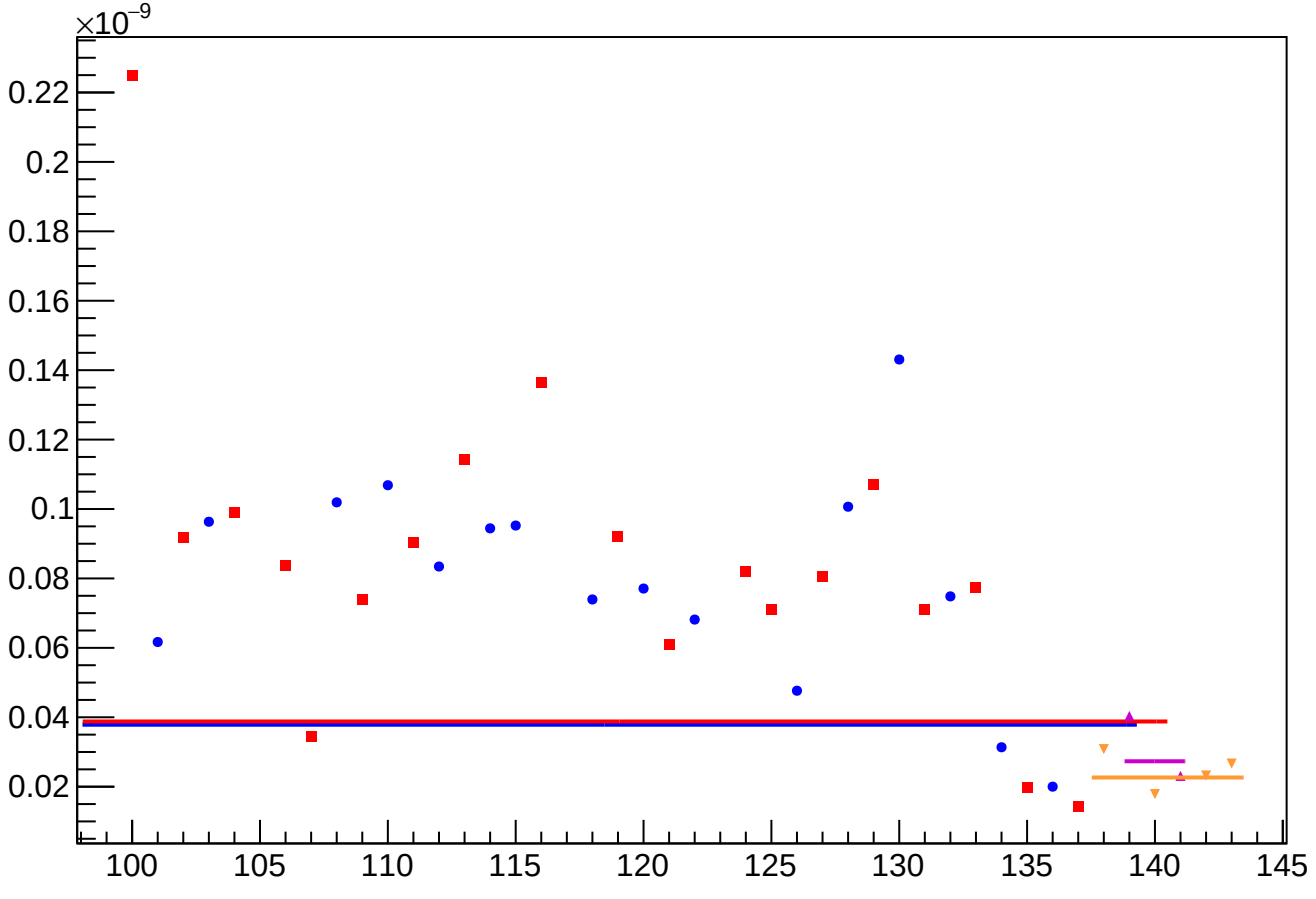
Left: 0.000+/-0.000 χ^2/NDF: 5.7/5

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:19.8/22

All: 0.000+/-0.000 χ^2/NDF: 44.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:203065.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:178533.4/1

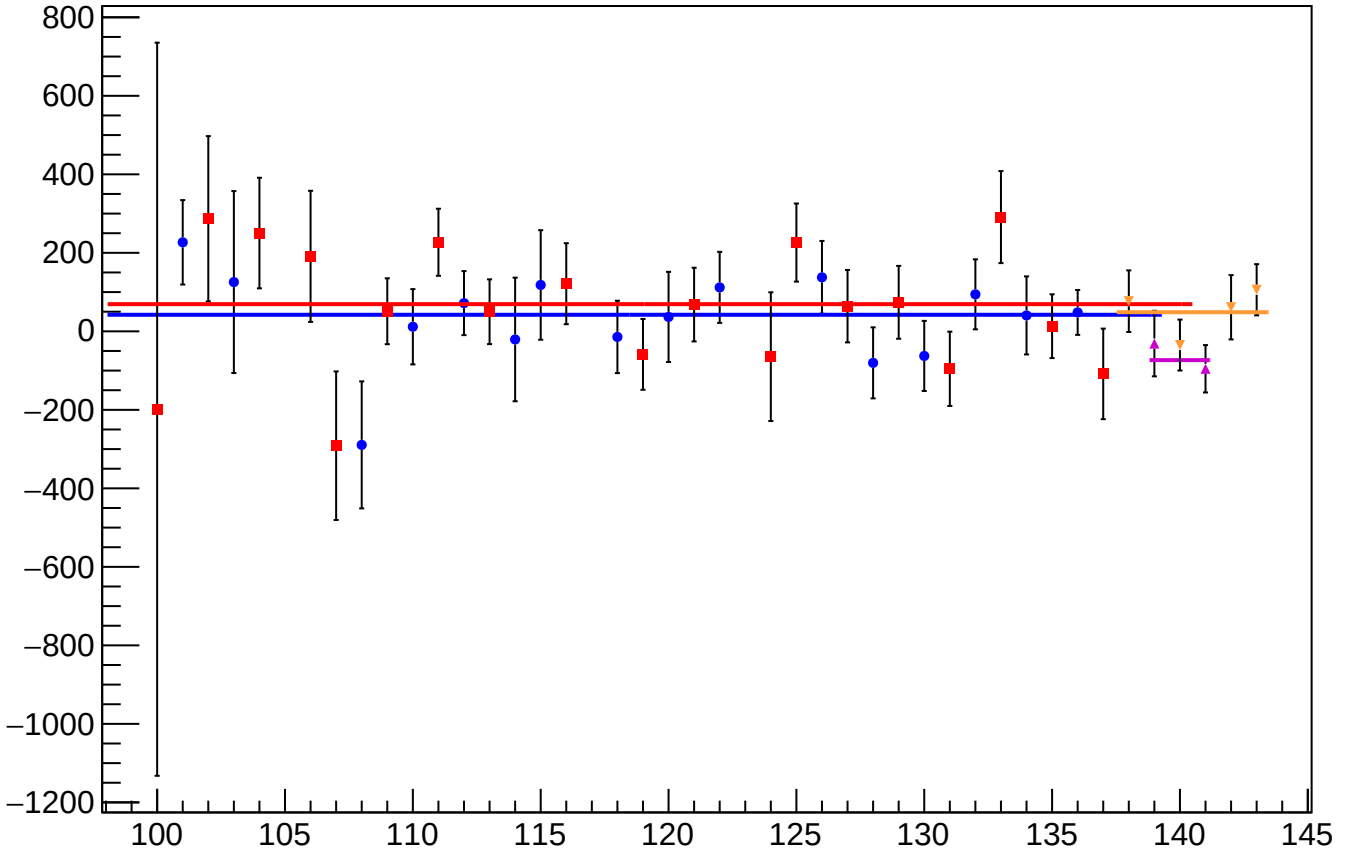
Left: 0.000+/-0.000 χ^2/NDF: 432343.2/5

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:5030465.6/22

All: 0.000+/-0.000 χ^2/NDF: 9025658.7/40



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.750+/-35.707 χ^2/NDF:2.6/3

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -73.343+/-48.919 χ^2/NDF:0.4/1

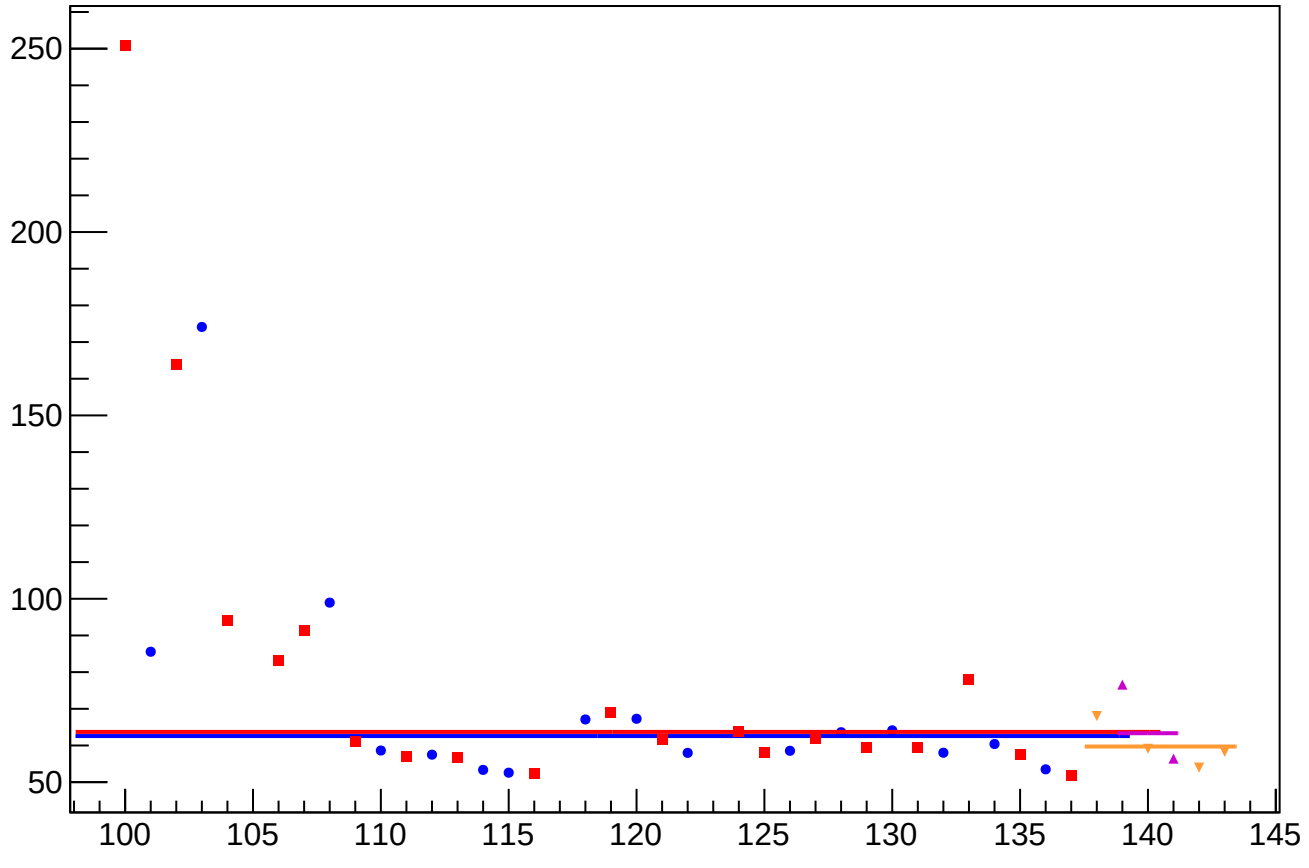
Left: 6.312+/-28.841 χ^2/NDF: 7.0/5

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: 19.489+/-21.696 χ^2/NDF:18.4/17

Out: 62.717+/-20.156 χ^2/NDF:28.2/22

All: 42.692+/-14.767 χ^2/NDF: 48.7/40



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

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: 60.976+/-0.020 χ^2/NDF: 117368.2/5

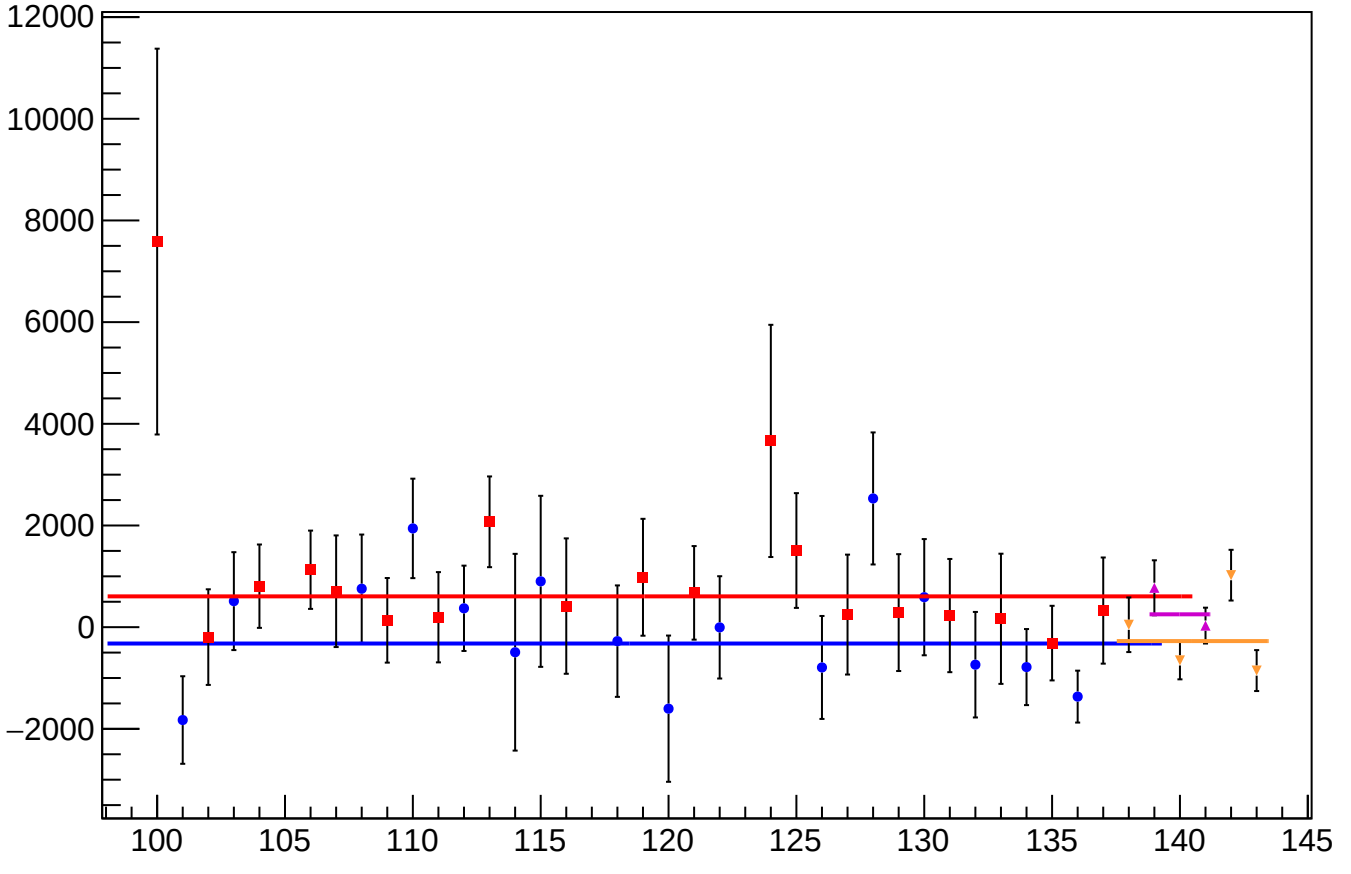
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 62.718+/-0.015 χ^2/NDF:835738.5/17

Out: 62.430+/-0.014 χ^2/NDF:884609.0/22

All: 62.563+/-0.010 χ^2/NDF: 1720537.4/40

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: -273.760+/-218.888 χ^2/NDF:10.2/3

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 252.902+/-295.314 χ^2/NDF:1.3/1

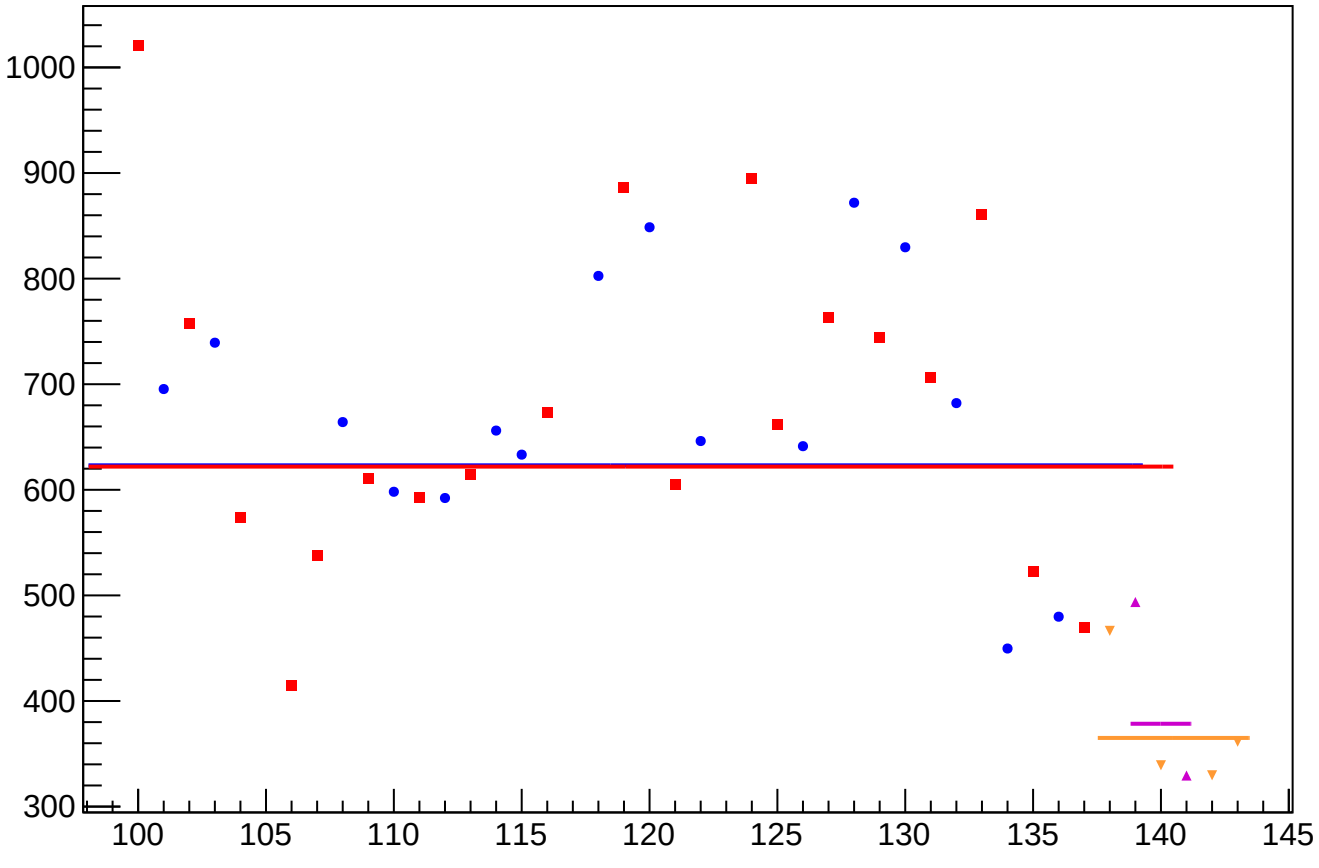
Left: -87.015+/-175.850 χ^2/NDF: 13.6/5

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -94.867+/-185.538 χ^2/NDF:26.3/17

Out: 137.400+/-159.739 χ^2/NDF:30.3/22

All: 38.525+/-121.055 χ^2/NDF: 57.5/40



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 365.017+/-0.155 χ^2/NDF:91150.8/3

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 378.441+/-0.209 χ^2/NDF:129658.8/1

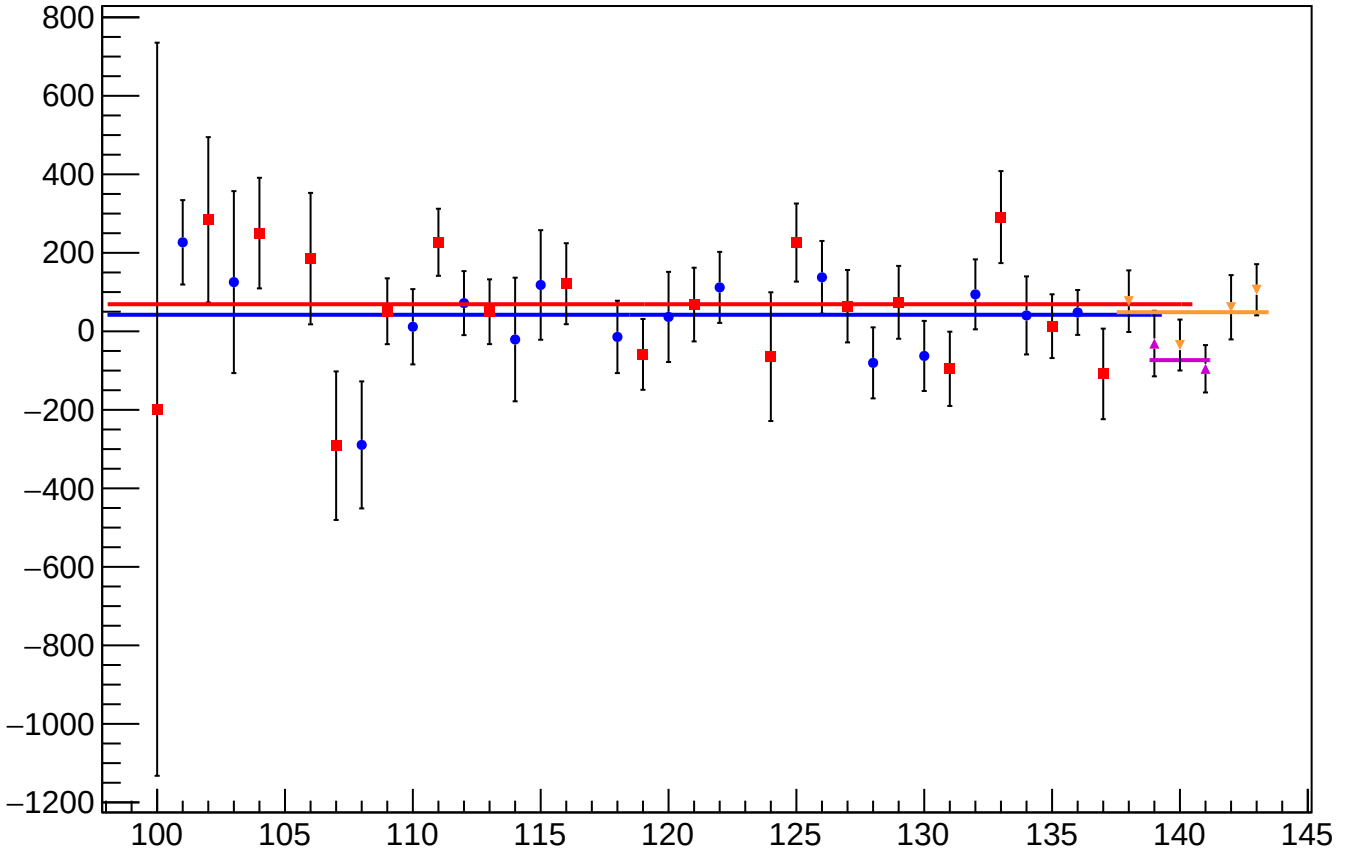
Left: 369.777+/-0.124 χ^2/NDF: 223476.9/5

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 526.576+/-0.131 χ^2/NDF:1526607.7/17

Out: 485.127+/-0.113 χ^2/NDF:1962063.8/22

All: 502.771+/-0.086 χ^2/NDF: 3545995.7/40



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.754+/-35.707 χ^2/NDF:2.6/3

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -73.344+/-48.919 χ^2/NDF:0.4/1

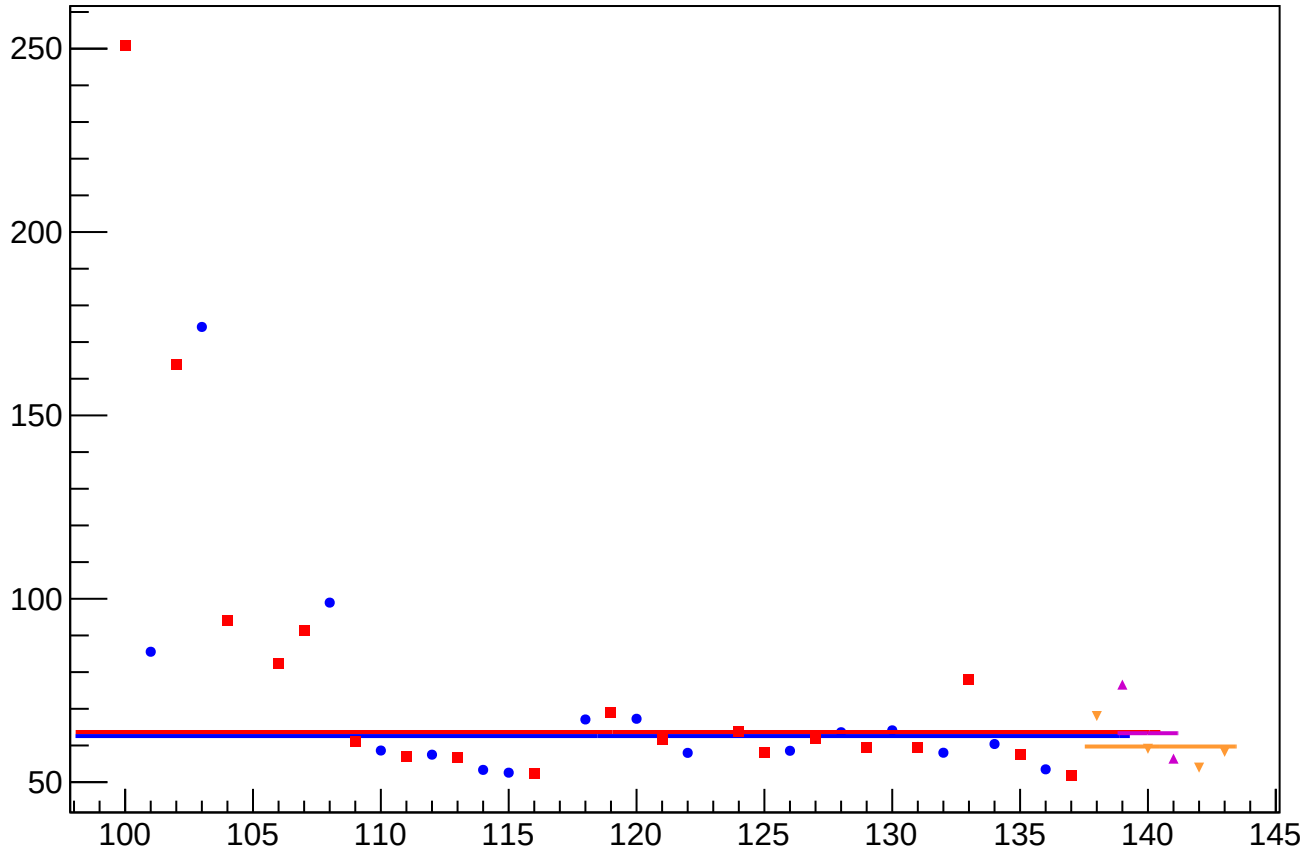
Left: 6.315+/-28.841 χ^2/NDF: 7.0/5

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 19.484+/-21.696 χ^2/NDF:18.4/17

Out: 62.595+/-20.157 χ^2/NDF:28.1/22

All: 42.623+/-14.767 χ^2/NDF: 48.6/40



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

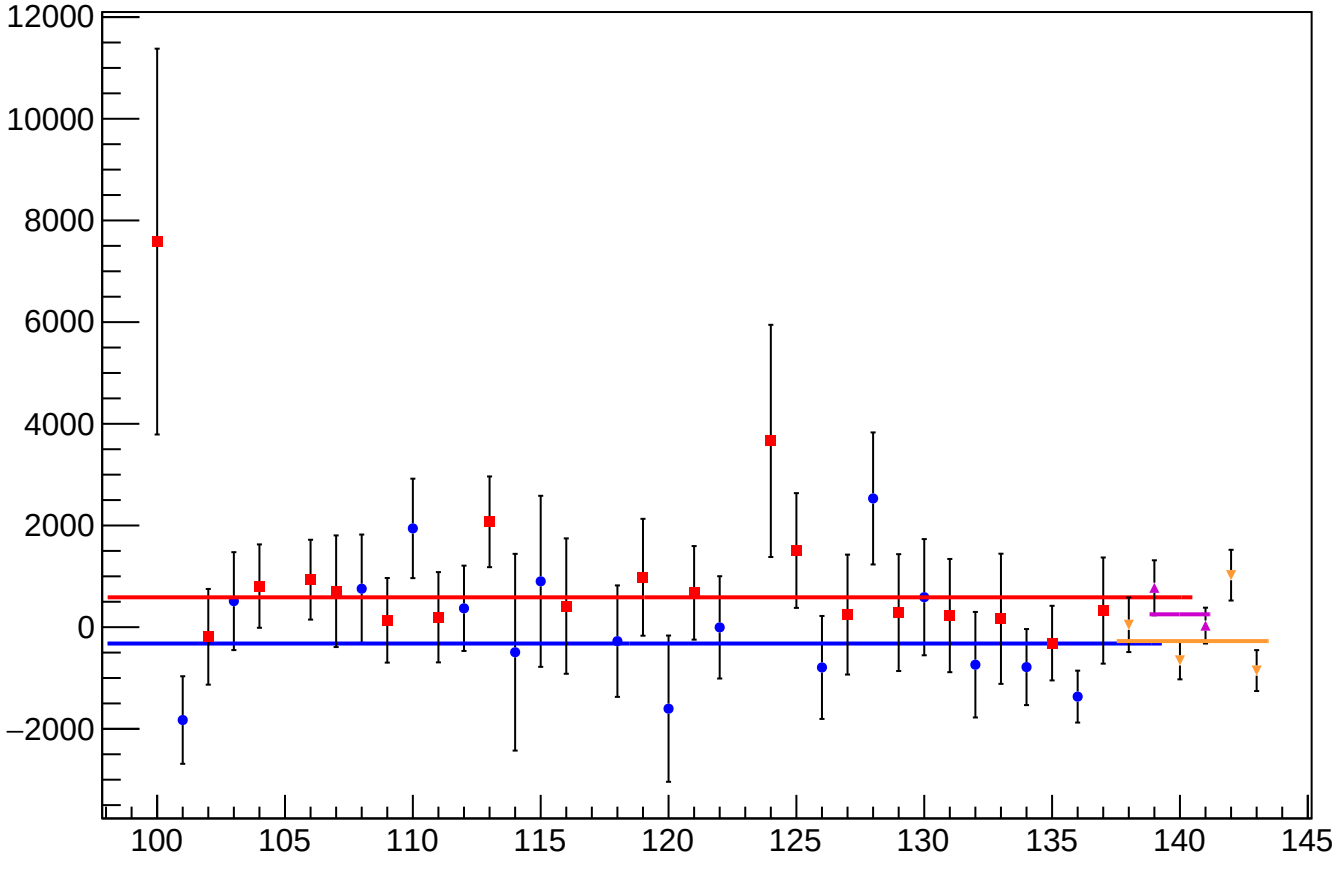
Left: 60.976+/-0.020 χ^2/NDF: 117368.2/5

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 62.718+/-0.015 χ^2/NDF:835740.7/17

Out: 62.413+/-0.014 χ^2/NDF:881655.7/22

All: 62.555+/-0.010 χ^2/NDF: 1717608.6/40



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -273.753+/-218.888 χ^2/NDF:10.2/3

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 252.908+/-295.315 χ^2/NDF:1.3/1

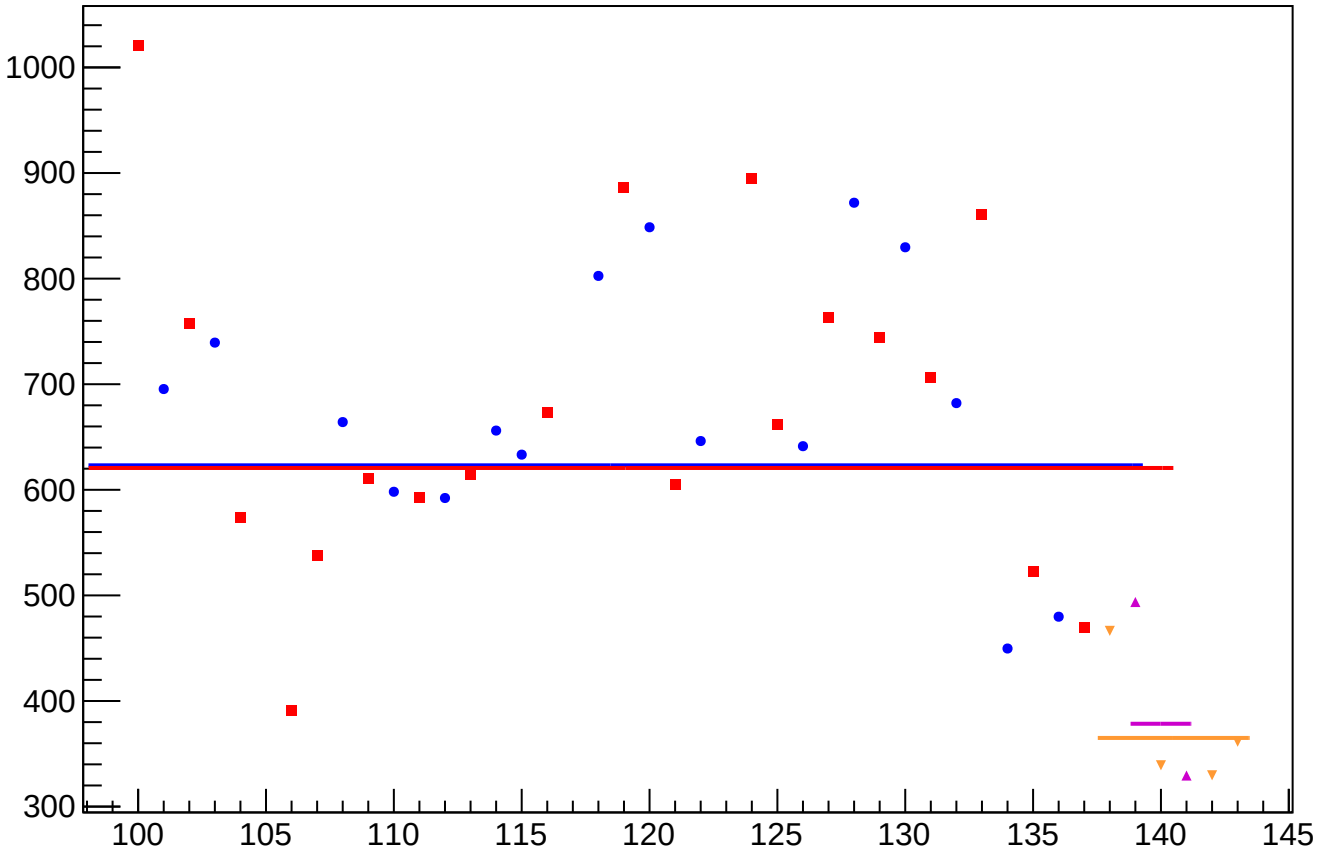
Left: -87.009+/-175.850 χ^2/NDF: 13.6/5

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -94.862+/-185.539 χ^2/NDF:26.3/17

Out: 127.893+/-159.878 χ^2/NDF:29.6/22

All: 32.972+/-121.116 χ^2/NDF: 56.8/40



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 365.017+/-0.155 χ^2/NDF:91152.1/3

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 378.442+/-0.209 χ^2/NDF:129656.7/1

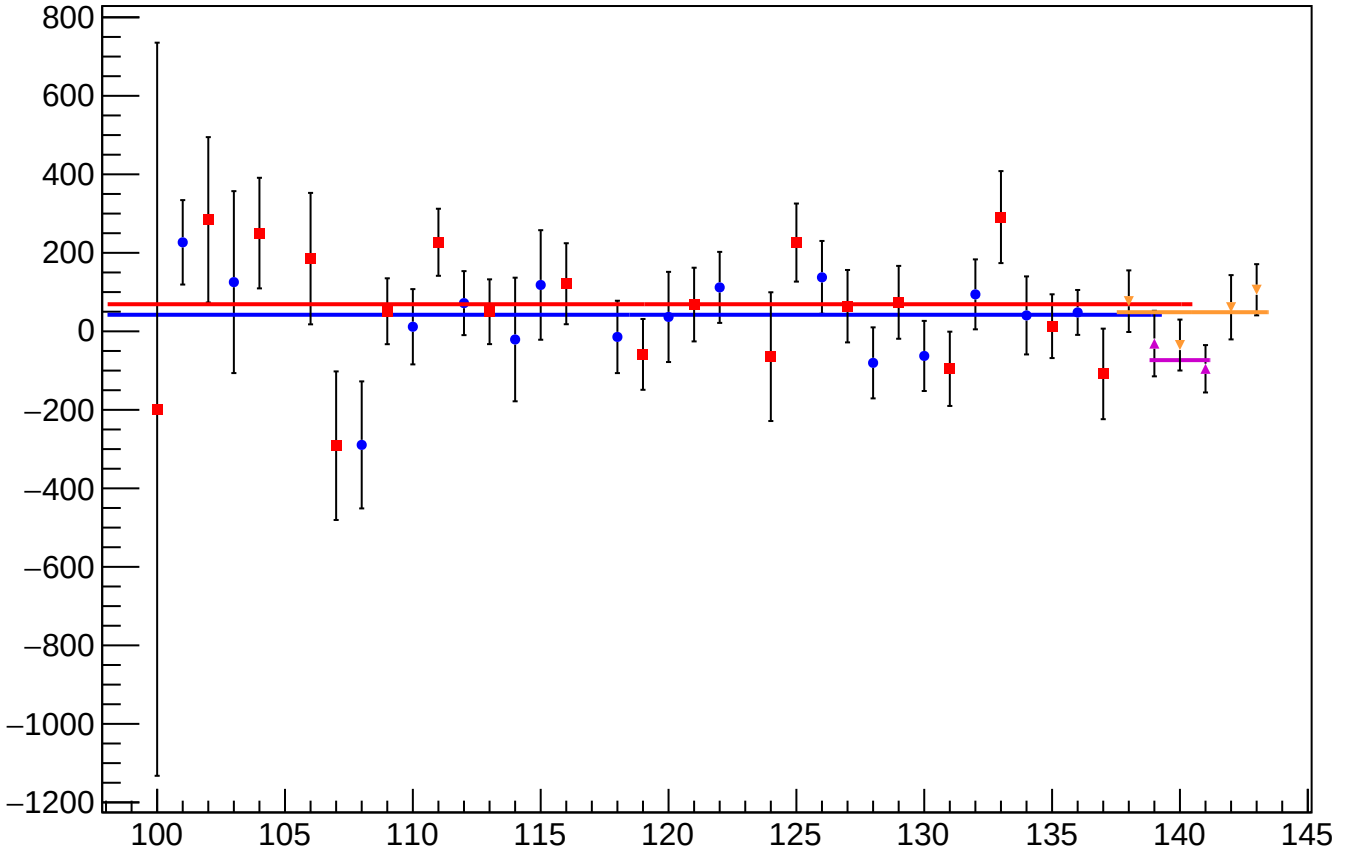
Left: 369.777+/-0.124 χ^2/NDF: 223476.3/5

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 526.577+/-0.131 χ^2/NDF:1526649.3/17

Out: 484.280+/-0.113 χ^2/NDF:1974441.1/22

All: 502.304+/-0.086 χ^2/NDF: 3560739.2/40



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 48.754+/-35.707 χ^2/NDF:2.6/3

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -73.344+/-48.919 χ^2/NDF:0.4/1

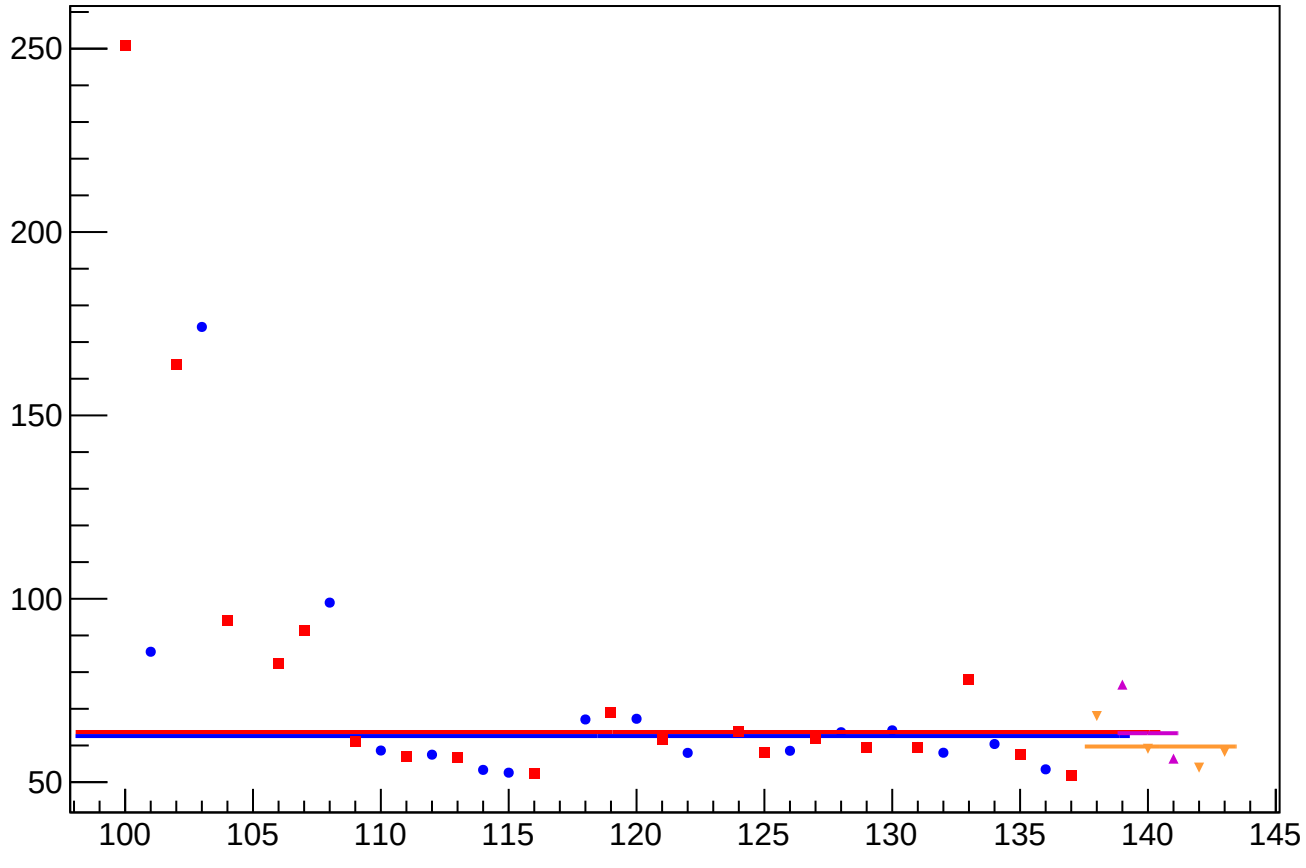
Left: 6.315+/-28.841 χ^2/NDF: 7.0/5

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: 19.484+/-21.696 χ^2/NDF:18.4/17

Out: 62.595+/-20.157 χ^2/NDF:28.1/22

All: 42.623+/-14.767 χ^2/NDF: 48.6/40



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 59.715+/-0.025 χ^2/NDF:33465.3/3

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 63.342+/-0.035 χ^2/NDF:76729.8/1

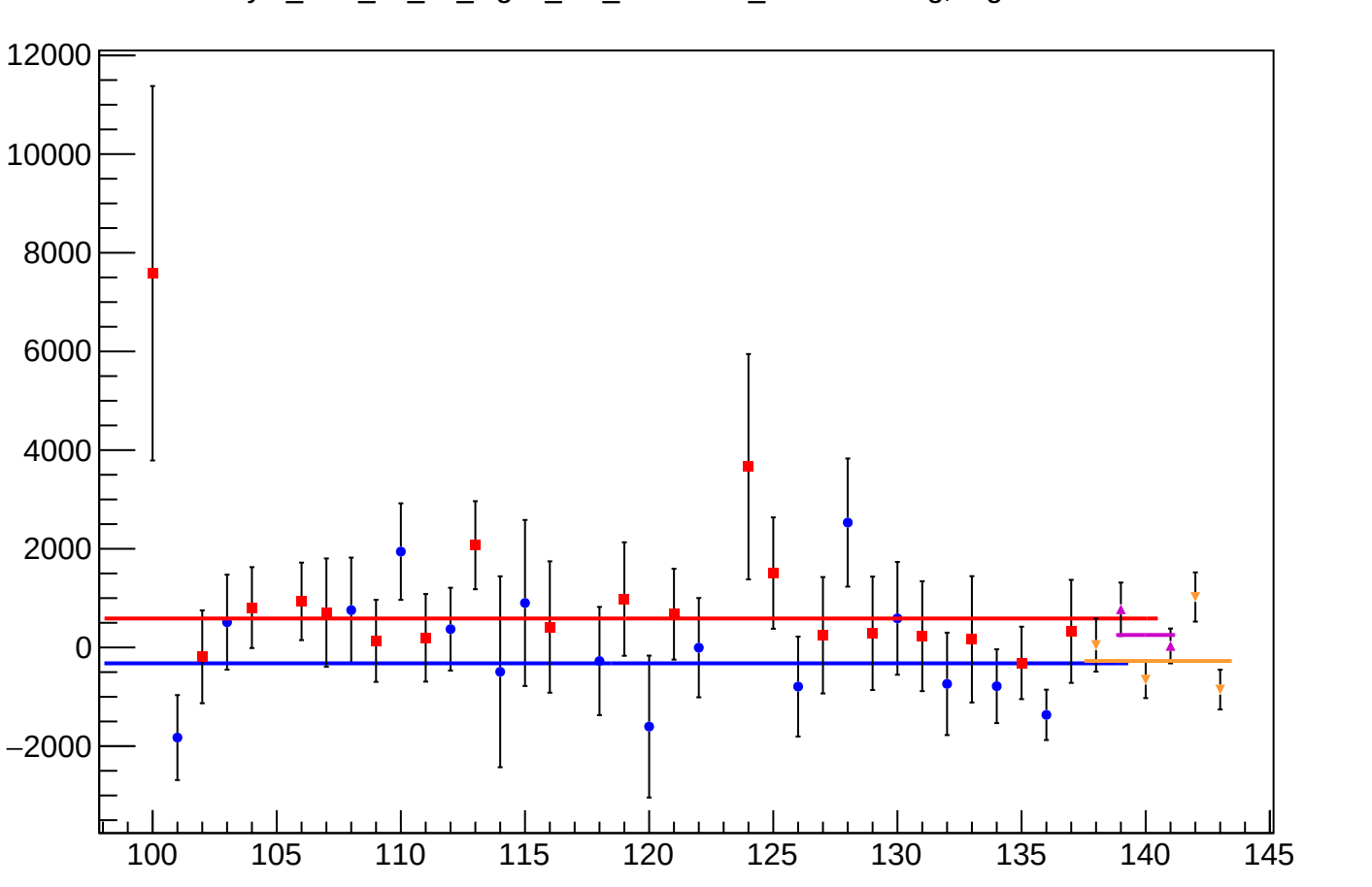
Left: 60.976+/-0.020 χ^2/NDF: 117368.2/5

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 62.718+/-0.015 χ^2/NDF:835740.7/17

Out: 62.413+/-0.014 χ^2/NDF:881655.7/22

All: 62.555+/-0.010 χ^2/NDF: 1717608.6/40



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -273.753+/-218.888 χ^2/NDF:10.2/3

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: -87.009+/-175.850 χ^2/NDF: 13.6/5

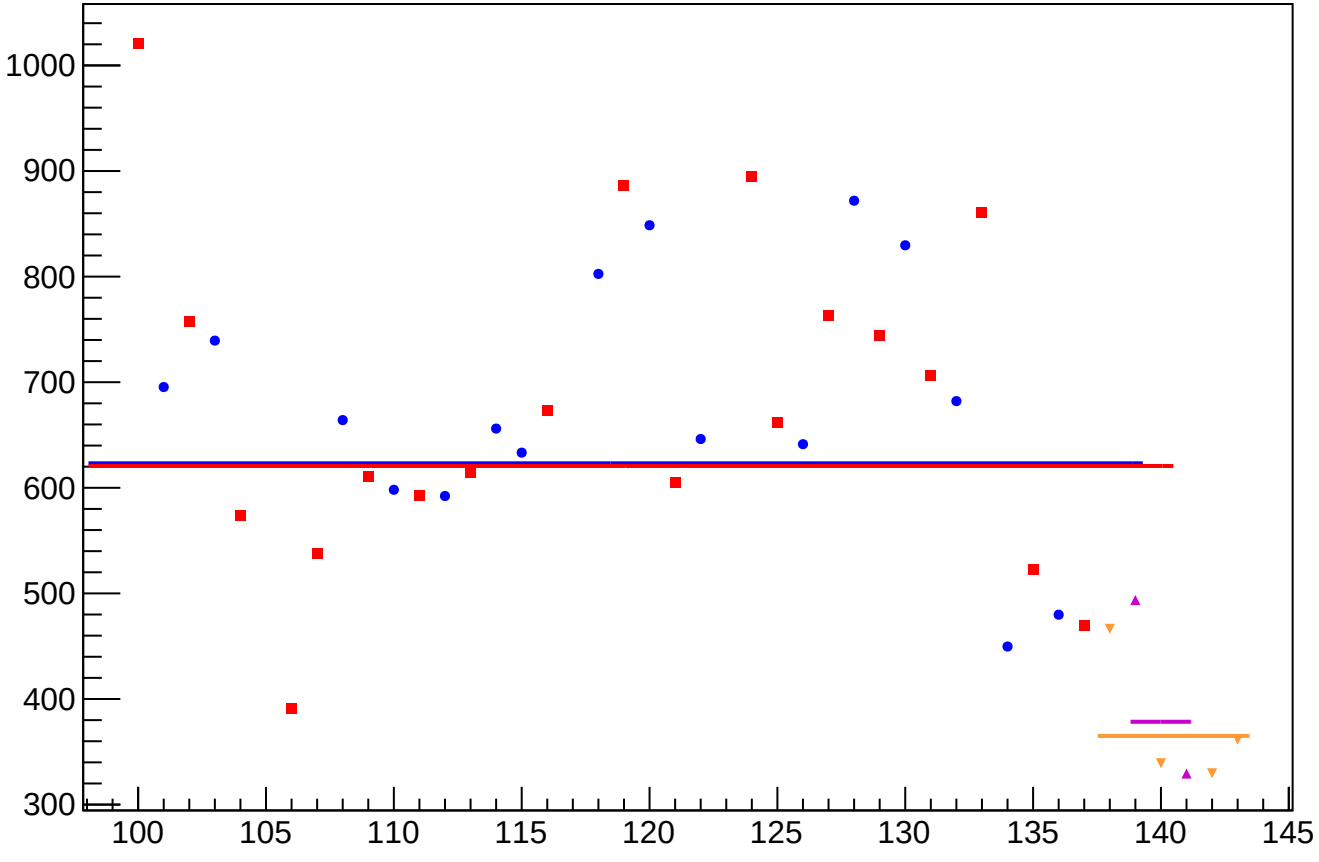
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -94.862+/-185.539 χ^2/NDF:26.3/17

Out: 127.893+/-159.878 χ^2/NDF:29.6/22

All: 32.972+/-121.116 χ^2/NDF: 56.8/40

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: 365.017+/-0.155 χ^2/NDF:91152.1/3

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 378.442+/-0.209 χ^2/NDF:129656.7/1

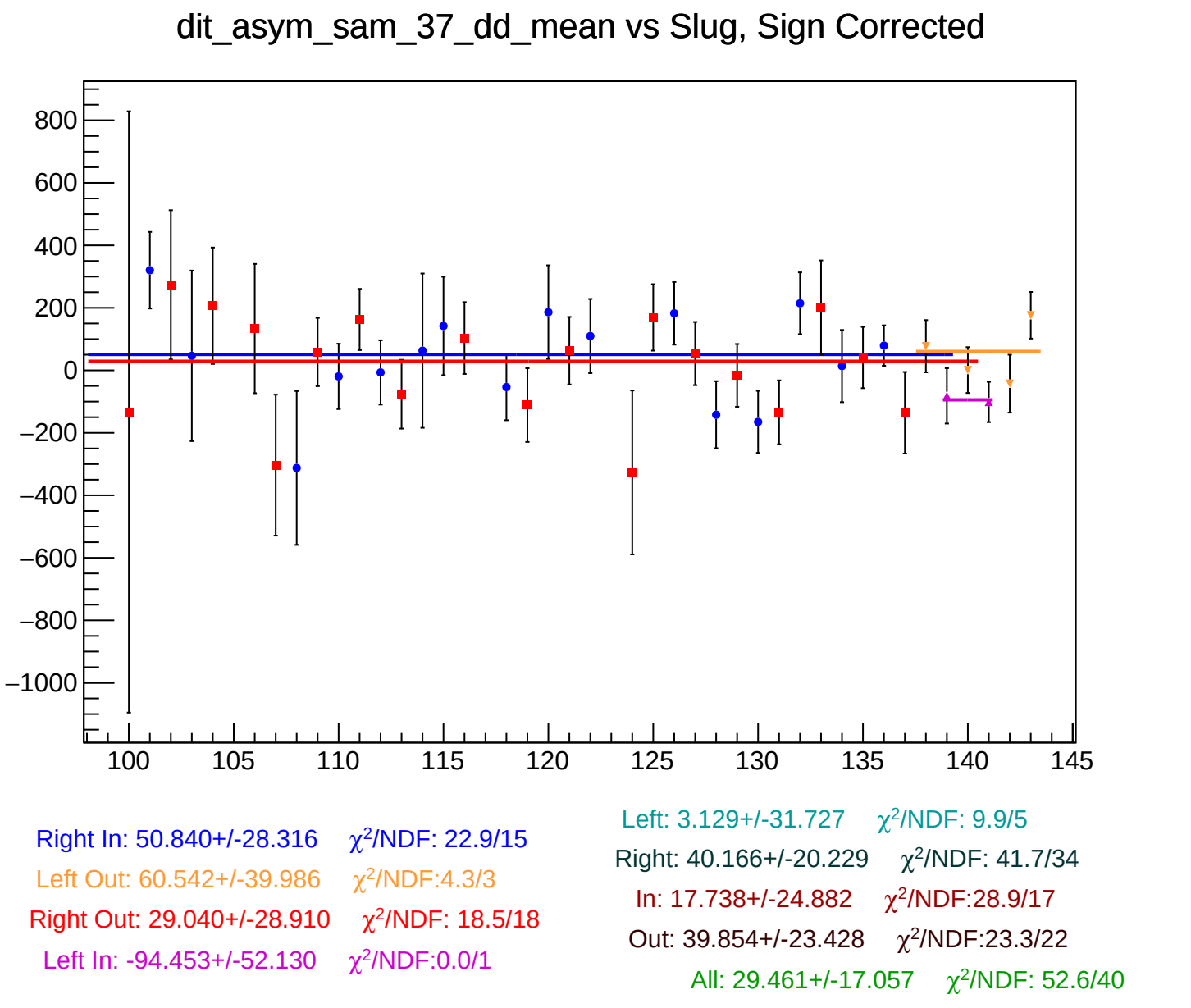
Left: 369.777+/-0.124 χ^2/NDF: 223476.3/5

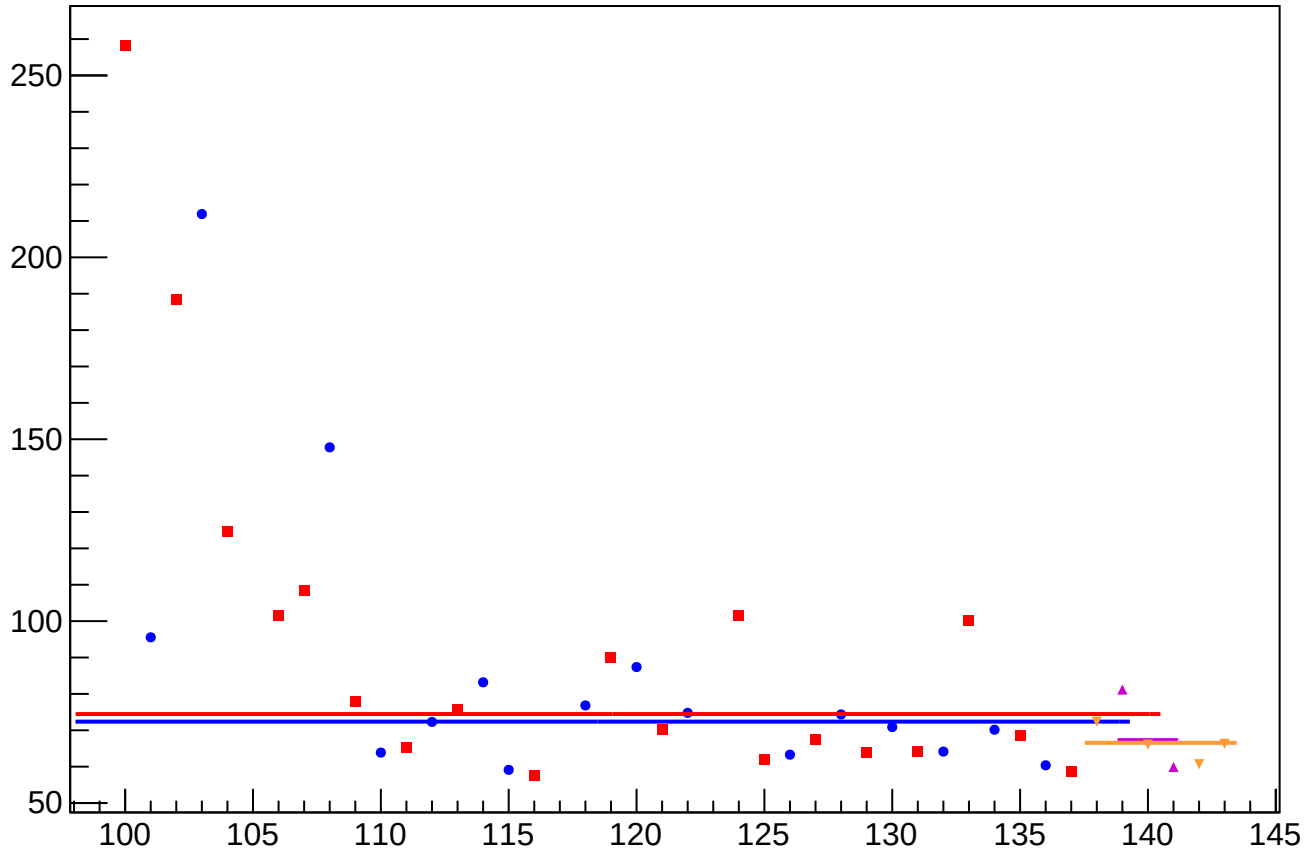
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 526.577+/-0.131 χ^2/NDF:1526649.3/17

Out: 484.280+/-0.113 χ^2/NDF:1974441.1/22

All: 502.304+/-0.086 χ^2/NDF: 3560739.2/40


dit_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
105
110
115
120
125
130
135
140
145
Right In: 50.840+/-28.316 χ²/NDF: 22.9/15
Left Out: 60.542+/-39.986 χ²/NDF:4.3/3
Right Out: 29.040+/-28.910 χ²/NDF: 18.5/18
Left In: -94.453+/-52.130 χ²/NDF:0.0/1
Left: 3.129+/-31.727 χ²/NDF: 9.9/5
Right: 40.166+/-20.229 χ²/NDF: 41.7/34
In: 17.738+/-24.882 χ²/NDF:28.9/17
Out: 39.854+/-23.428 χ²/NDF:23.3/22
All: 29.461+/-17.057 χ²/NDF: 52.6/40



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 66.557+/-0.028 χ^2/NDF:17825.5/3

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 67.301+/-0.037 χ^2/NDF:75470.2/1

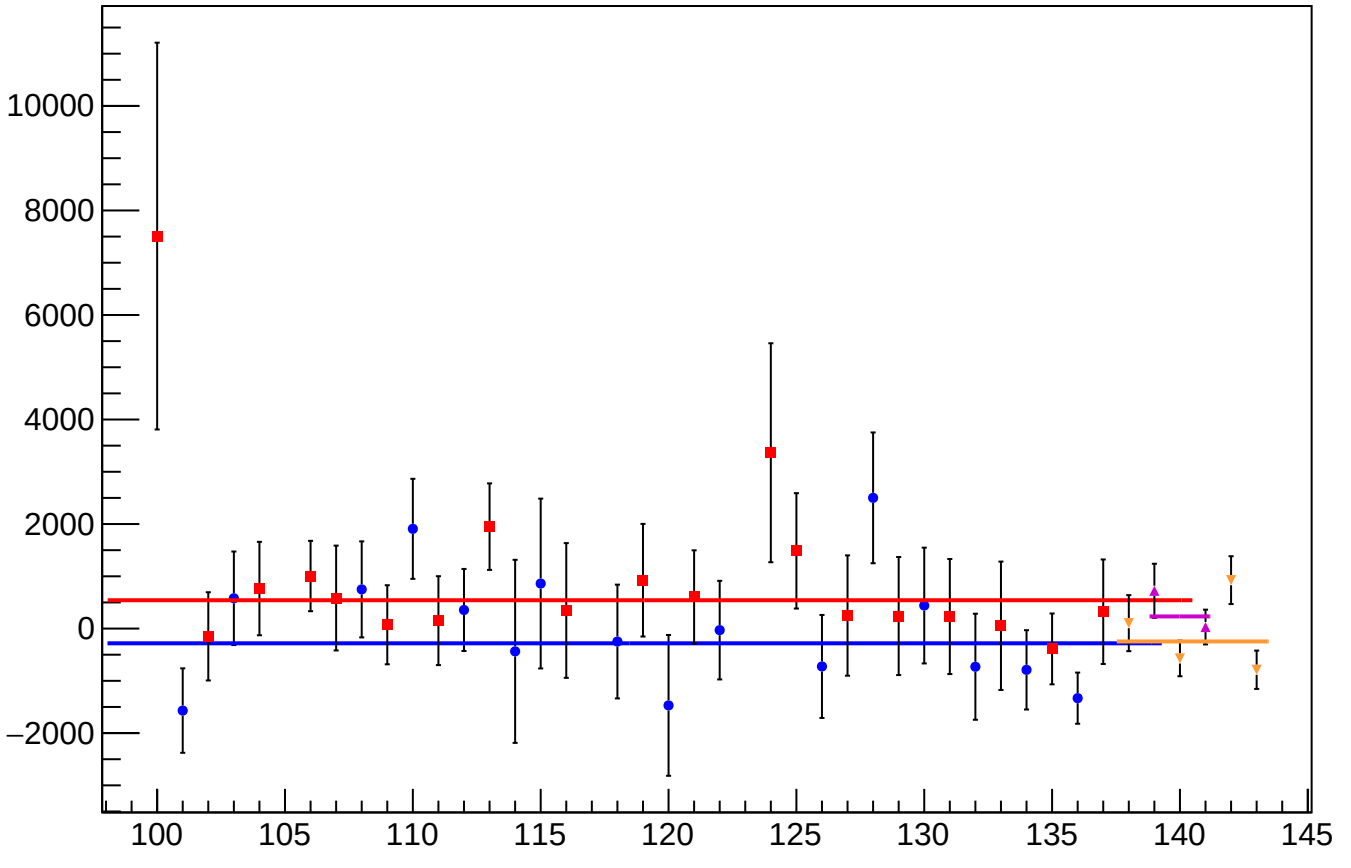
Left: 66.833+/-0.022 χ^2/NDF: 93551.7/5

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 71.221+/-0.018 χ^2/NDF:1028294.2/17

Out: 71.749+/-0.017 χ^2/NDF:1121468.1/22

All: 71.501+/-0.012 χ^2/NDF: 2150240.3/40



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -246.565+/-202.910 χ^2/NDF:10.1/3

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 232.377+/-279.831 χ^2/NDF:1.3/1

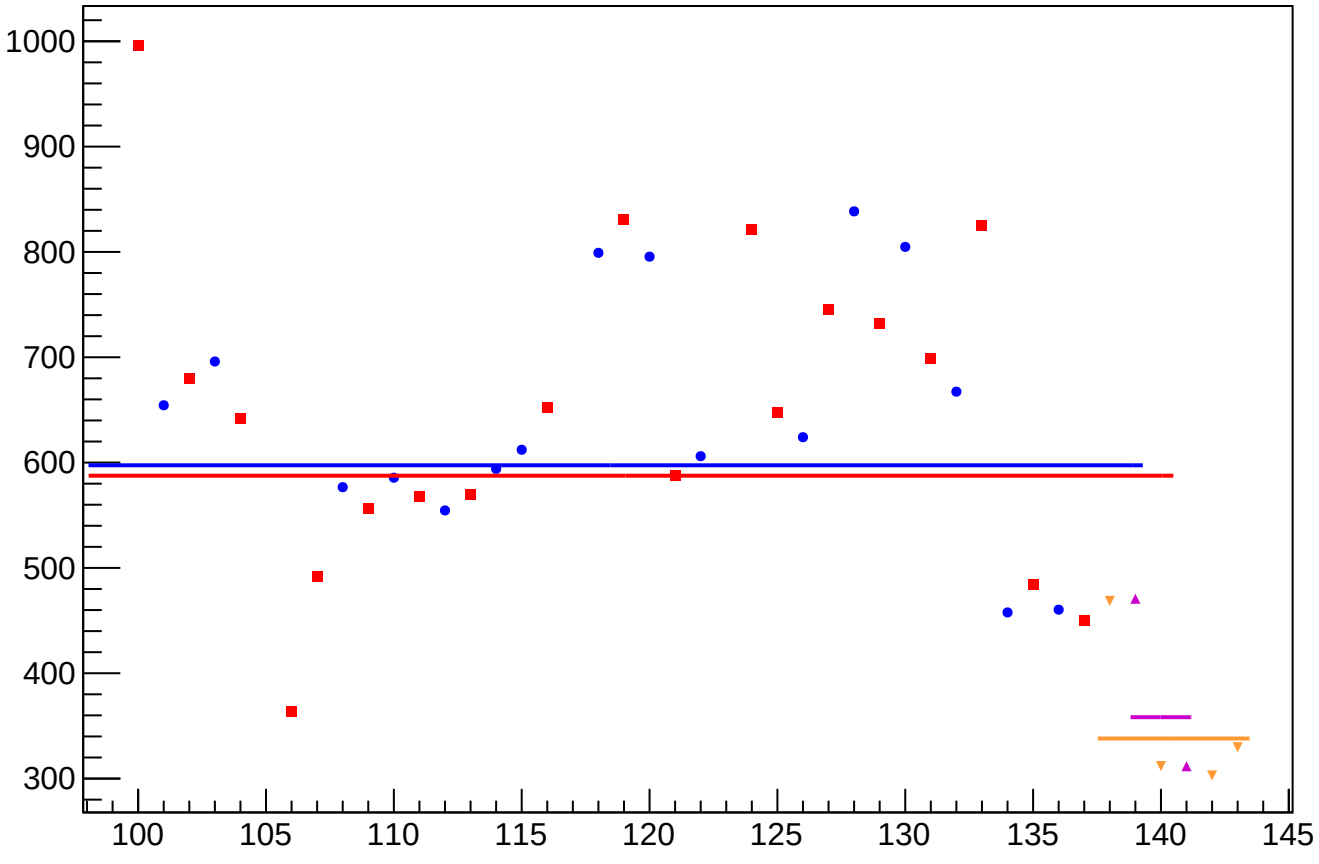
Left: -81.520+/-164.269 χ^2/NDF: 13.3/5

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -77.021+/-176.659 χ^2/NDF:26.1/17

Out: 114.310+/-149.436 χ^2/NDF:30.3/22

All: 34.506+/-114.092 χ^2/NDF: 57.0/40



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 338.056+/-0.143 χ^2/NDF:143303.8/3

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 358.287+/-0.198 χ^2/NDF:133794.6/1

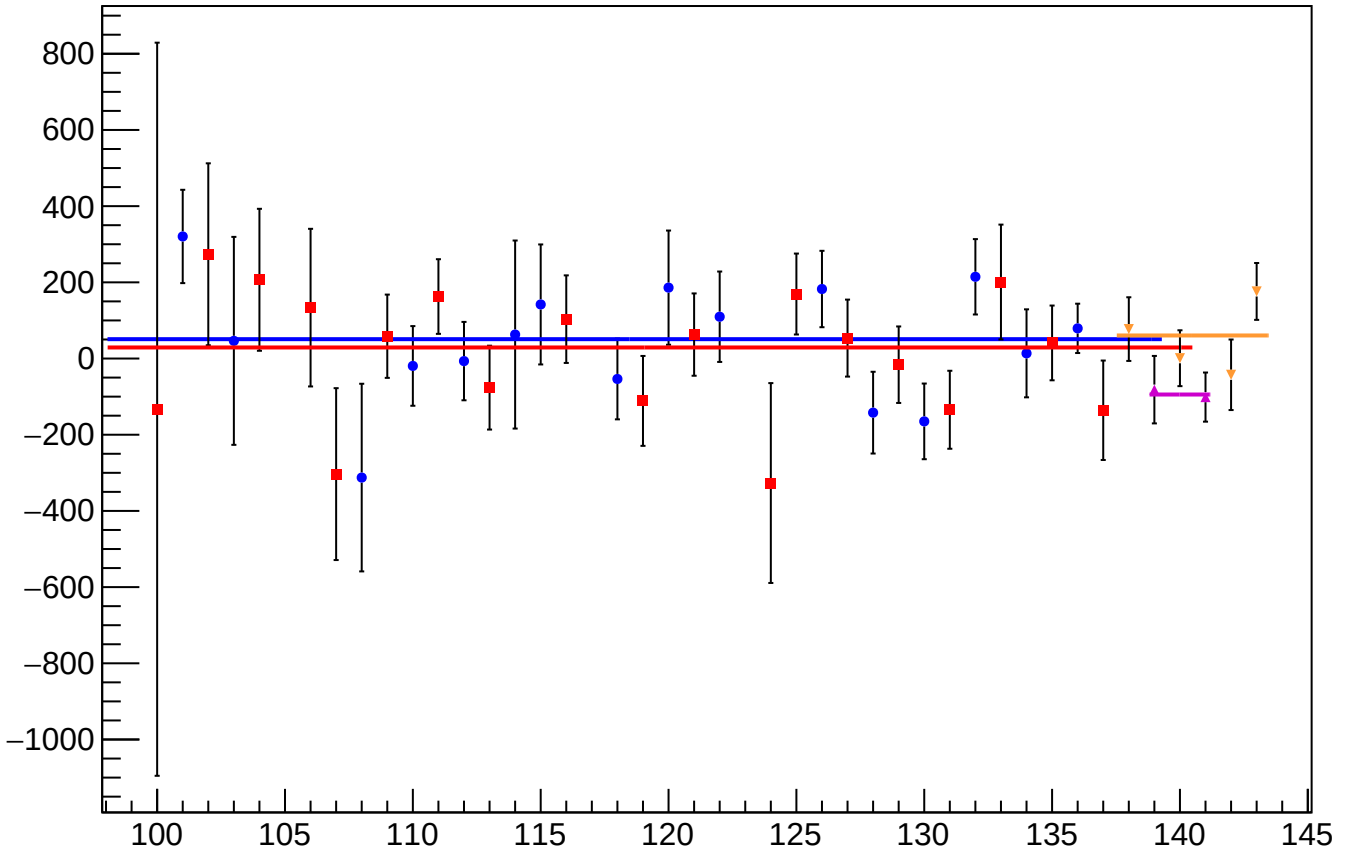
Left: 345.027+/-0.116 χ^2/NDF: 283949.6/5

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 502.126+/-0.125 χ^2/NDF:1546178.5/17

Out: 452.236+/-0.106 χ^2/NDF:2216224.9/22

All: 473.045+/-0.081 χ^2/NDF: 3855379.6/40



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 60.543+/-39.986 χ^2/NDF:4.3/3

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.453+/-52.130 χ^2/NDF:0.0/1

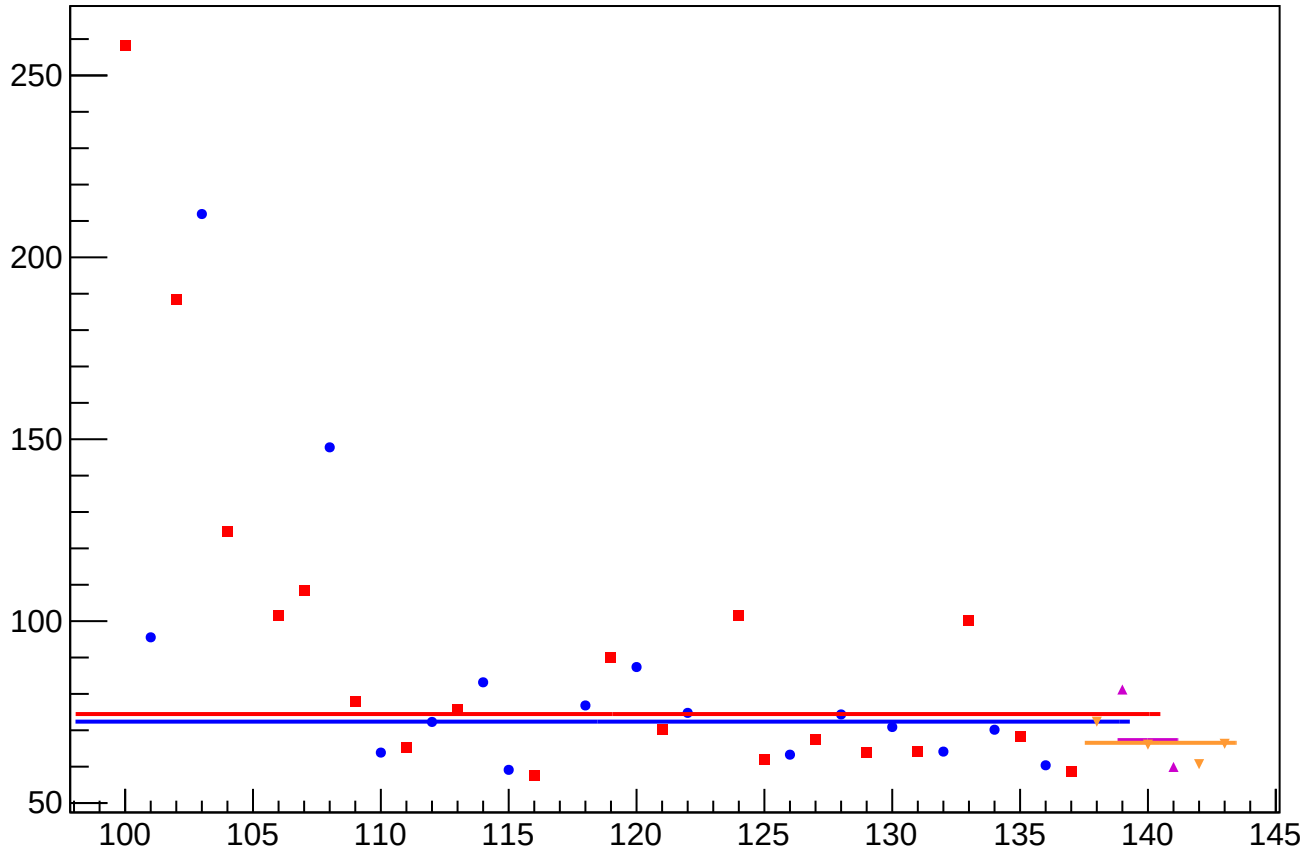
Left: 3.130+/-31.727 χ^2/NDF: 9.9/5

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: 17.738+/-24.882 χ^2/NDF:28.9/17

Out: 39.853+/-23.428 χ^2/NDF:23.3/22

All: 29.461+/-17.057 χ^2/NDF: 52.6/40



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 66.558+/-0.028 χ^2/NDF:17827.0/3

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 67.301+/-0.037 χ^2/NDF:75467.9/1

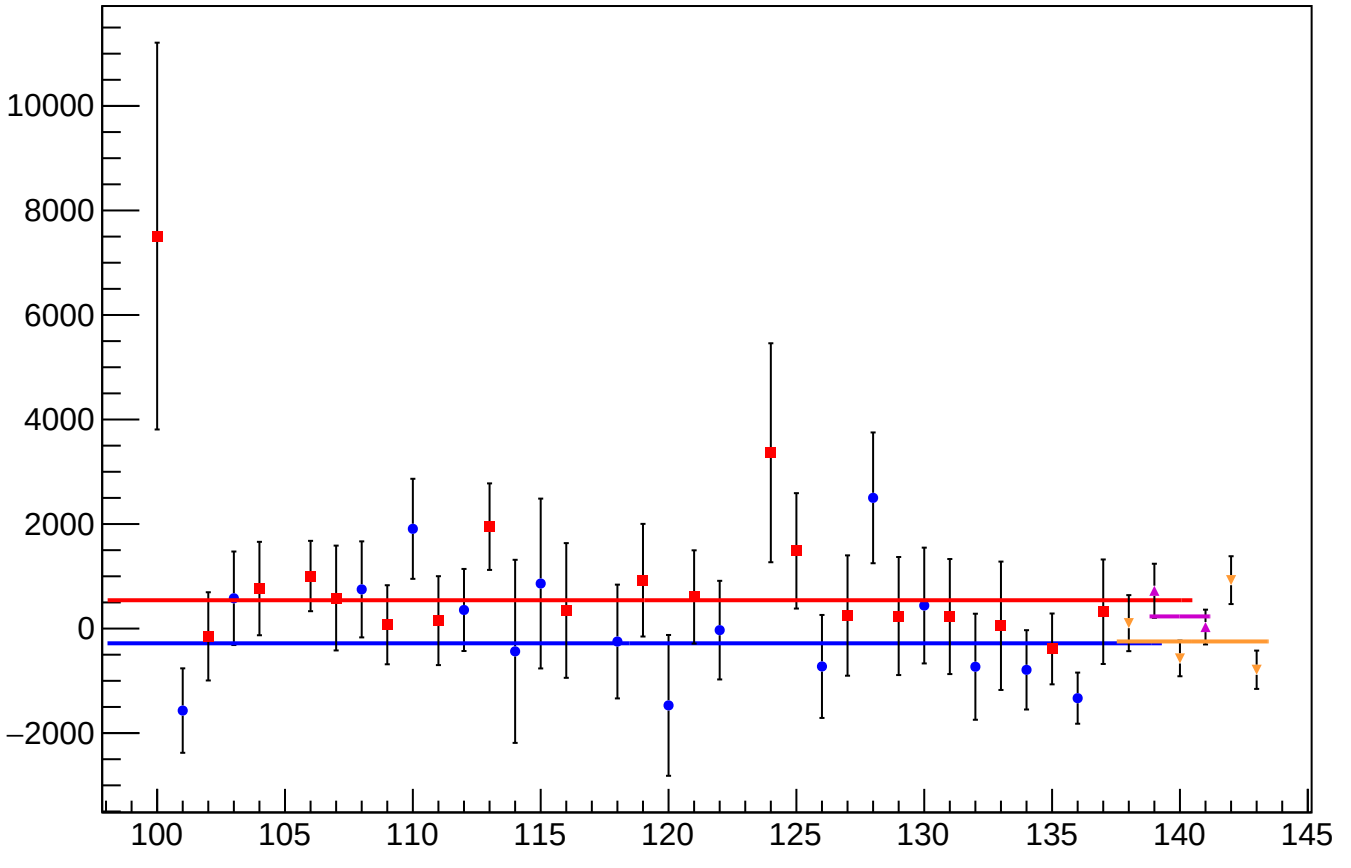
Left: 66.833+/-0.022 χ^2/NDF: 93550.8/5

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 71.221+/-0.018 χ^2/NDF:1028295.7/17

Out: 71.749+/-0.017 χ^2/NDF:1121460.2/22

All: 71.501+/-0.012 χ^2/NDF: 2150234.1/40



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -246.567+/-202.910 χ^2/NDF:10.1/3

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: -81.521+/-164.269 χ^2/NDF: 13.3/5

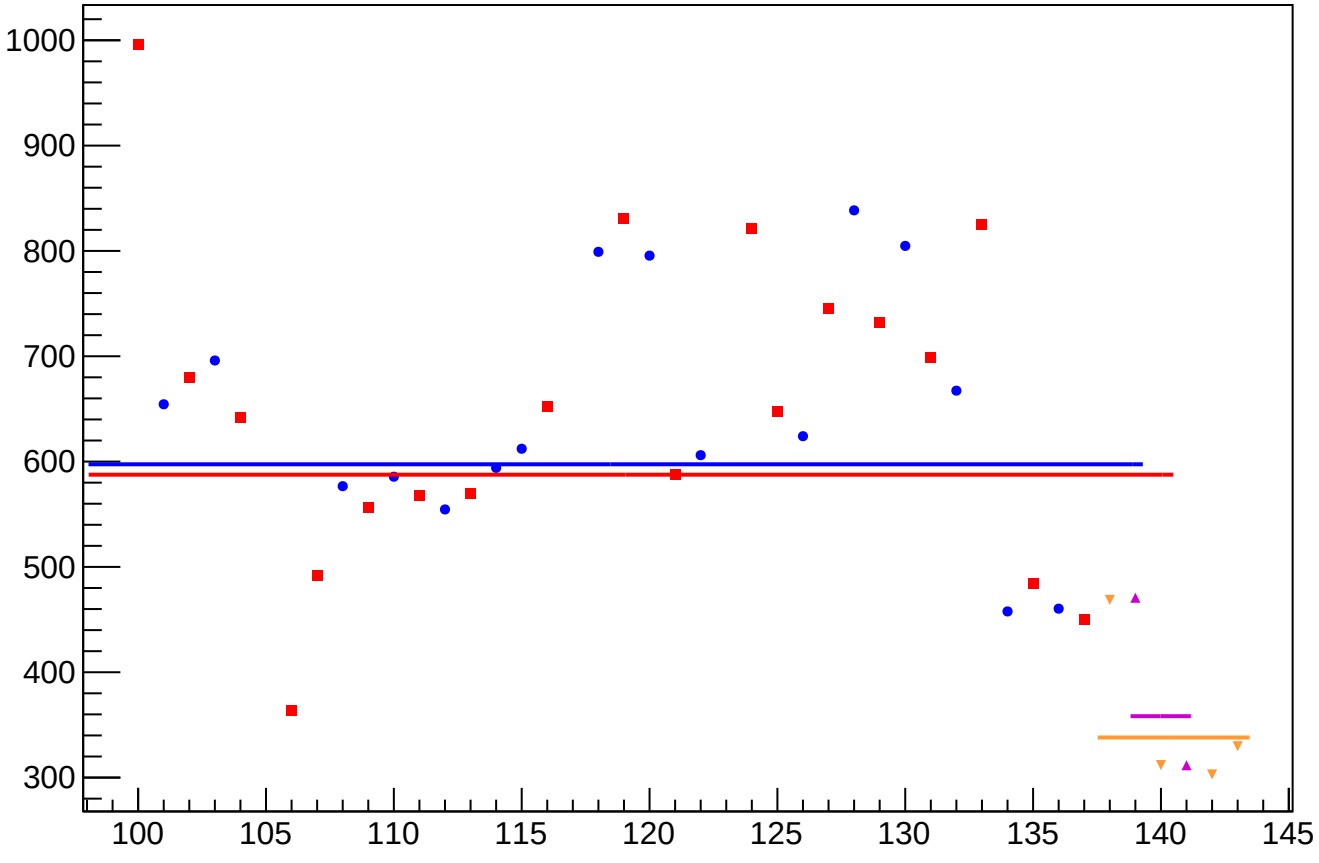
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -77.021+/-176.659 χ^2/NDF:26.1/17

Out: 114.309+/-149.436 χ^2/NDF:30.3/22

All: 34.506+/-114.092 χ^2/NDF: 57.0/40

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: 338.056+/-0.143 χ^2/NDF:143306.0/3

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 358.286+/-0.198 χ^2/NDF:133796.7/1

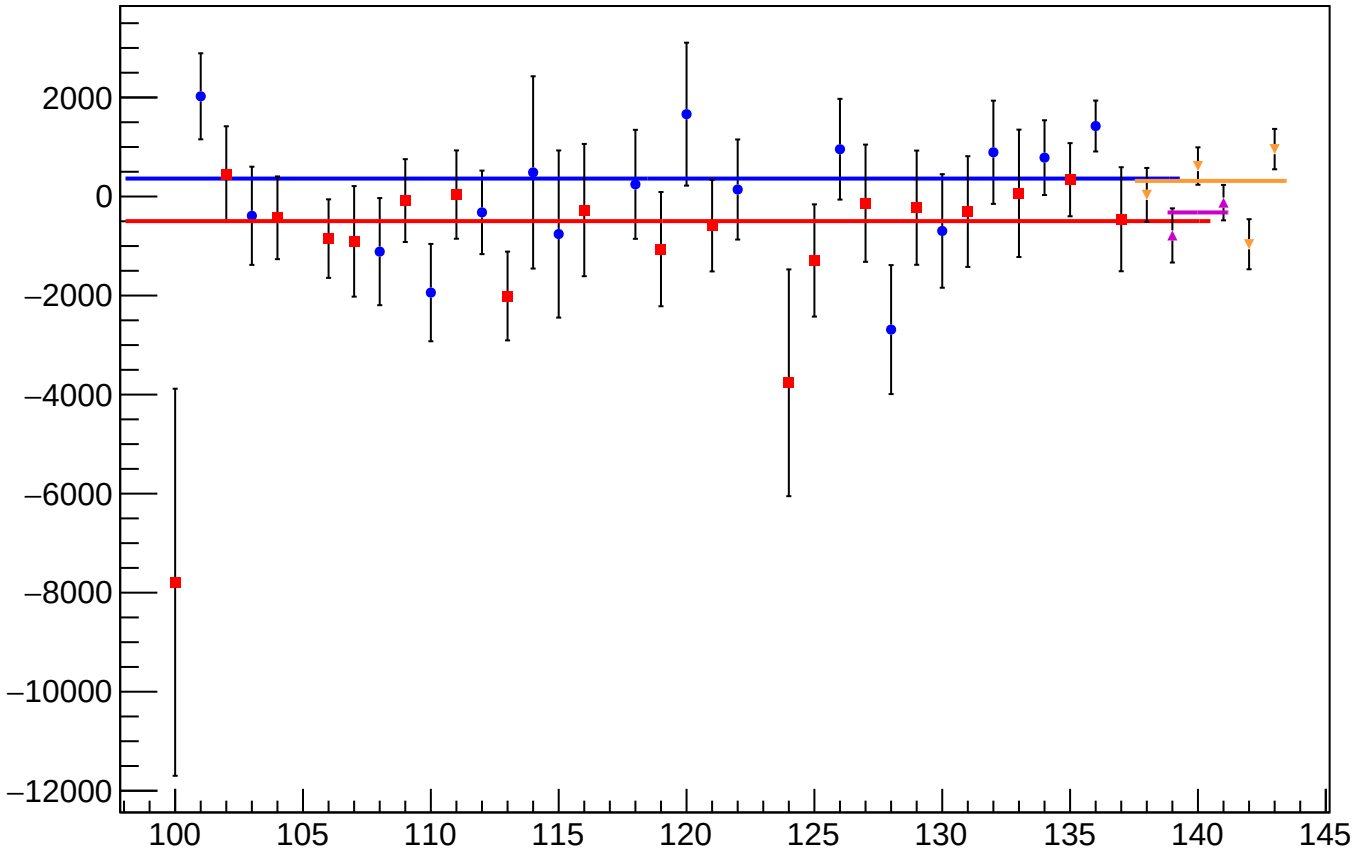
Left: 345.027+/-0.116 χ^2/NDF: 283953.9/5

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 502.125+/-0.125 χ^2/NDF:1546183.2/17

Out: 452.236+/-0.106 χ^2/NDF:2216226.2/22

All: 473.045+/-0.081 χ^2/NDF: 3855386.5/40



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 315.455+/-221.864 χ^2/NDF:9.8/3

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: 89.650+/-178.261 χ^2/NDF: 13.7/5

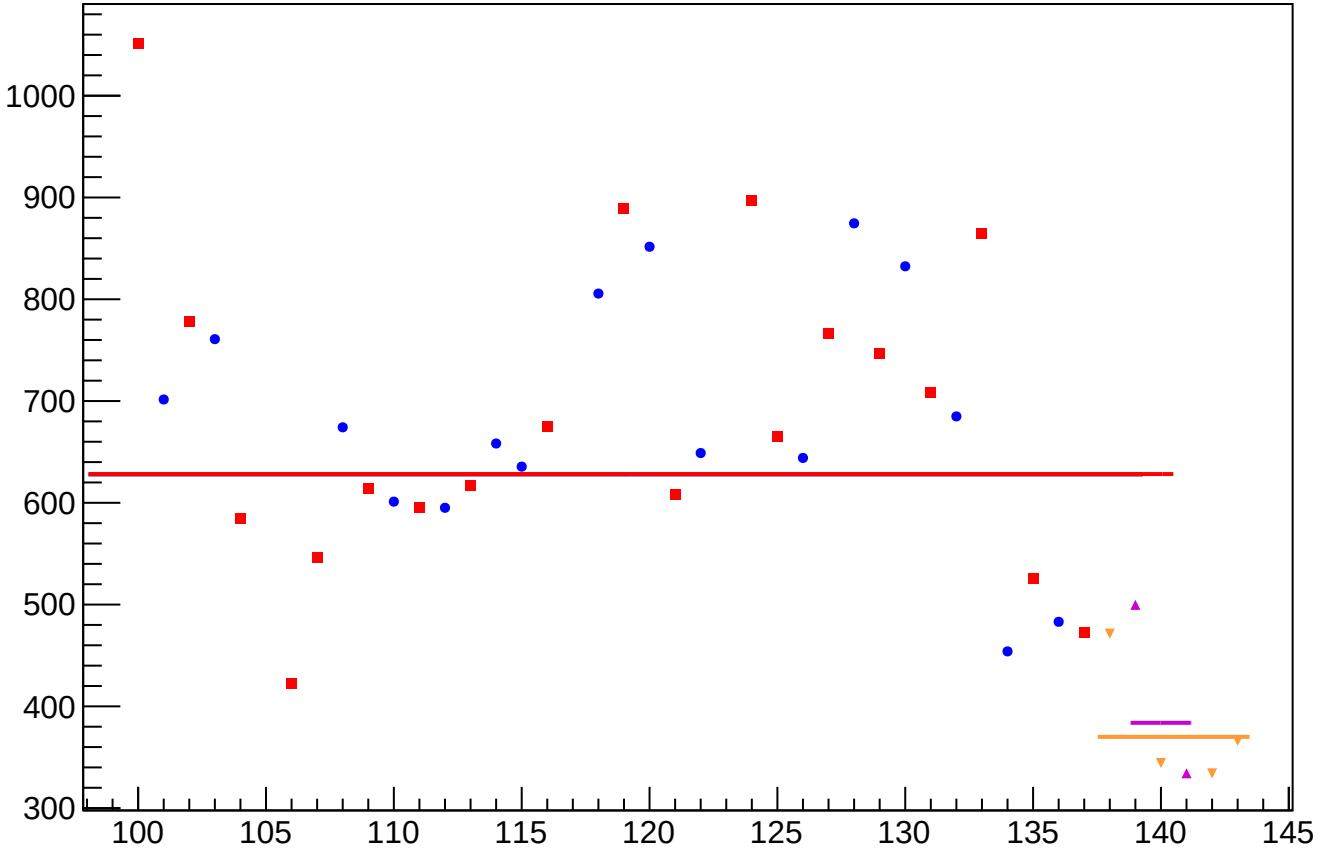
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: 94.417+/-187.411 χ^2/NDF:29.3/17

Out: -65.495+/-161.657 χ^2/NDF:28.8/22

All: 2.727+/-122.410 χ^2/NDF: 58.4/40

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 370.032+/-0.157 χ^2/NDF:89257.4/3

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 383.829+/-0.212 χ^2/NDF:128185.2/1

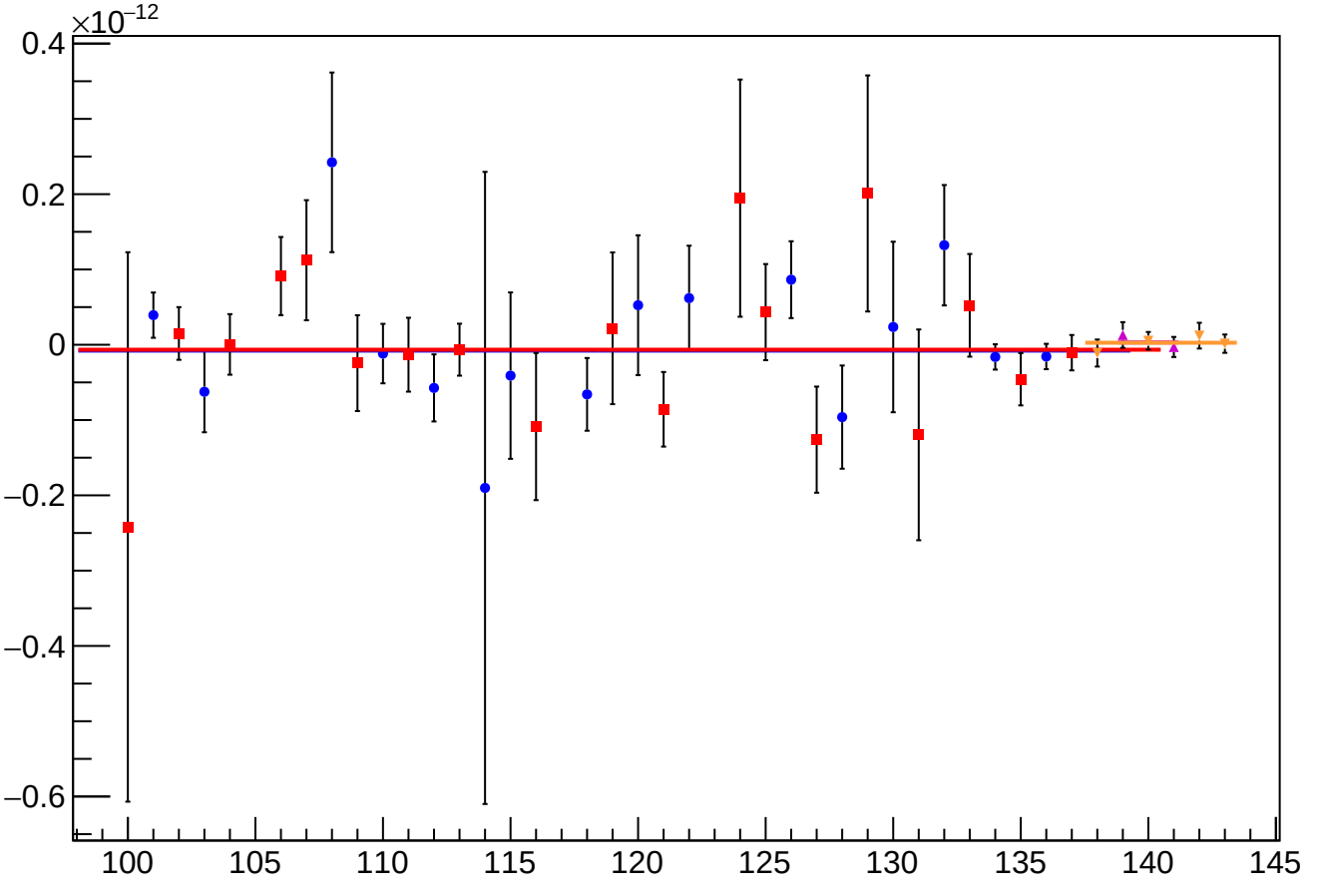
Left: 374.923+/-0.126 χ^2/NDF: 220184.0/5

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 532.279+/-0.133 χ^2/NDF:1503244.1/17

Out: 491.161+/-0.114 χ^2/NDF:1931067.0/22

All: 508.703+/-0.087 χ^2/NDF: 3489512.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/1

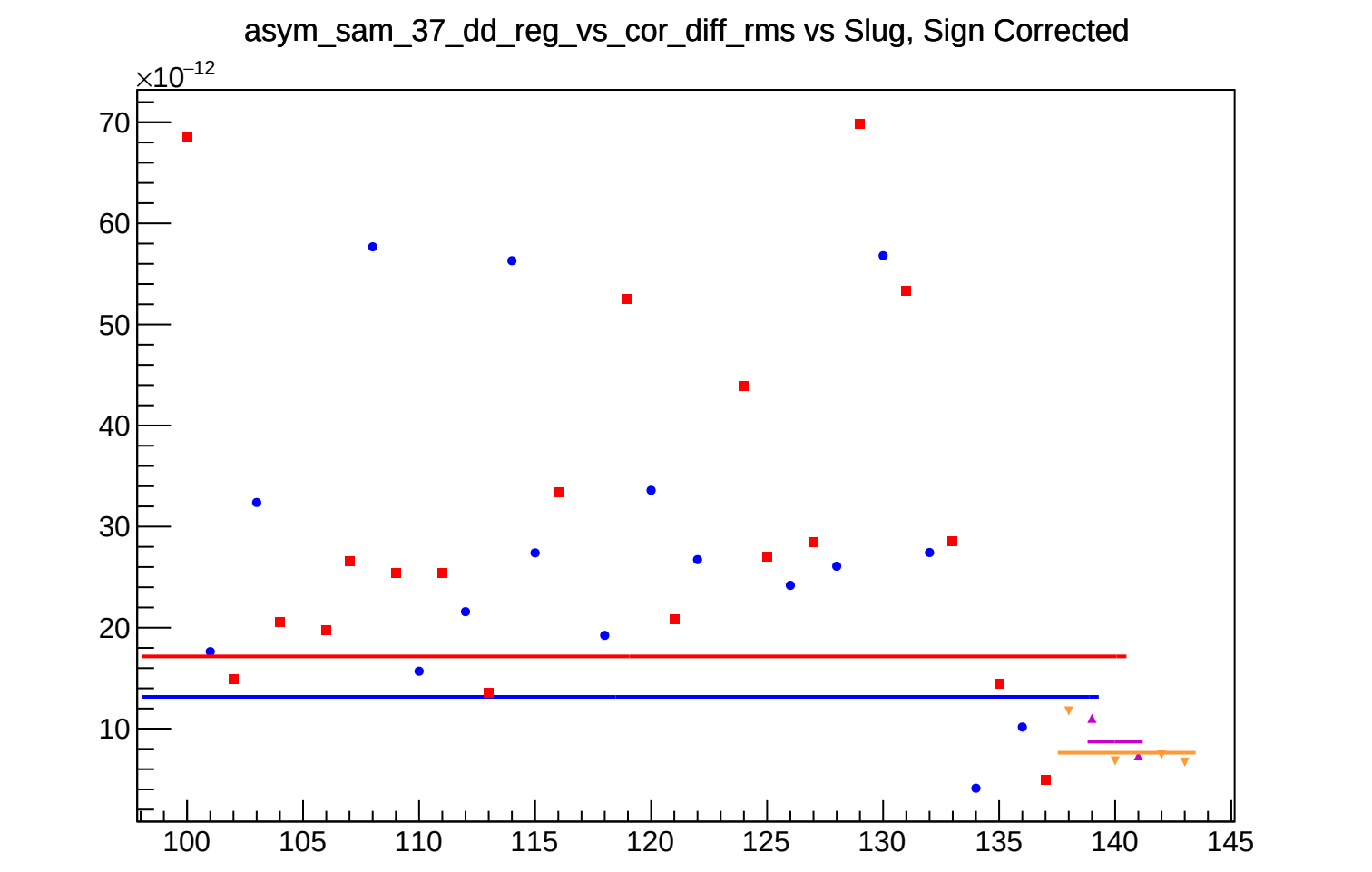
Left: 0.000+/-0.000 χ^2/NDF: 1.5/5

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:21.4/22

All: -0.000+/-0.000 χ^2/NDF: 43.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:127506.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:58456.2/1

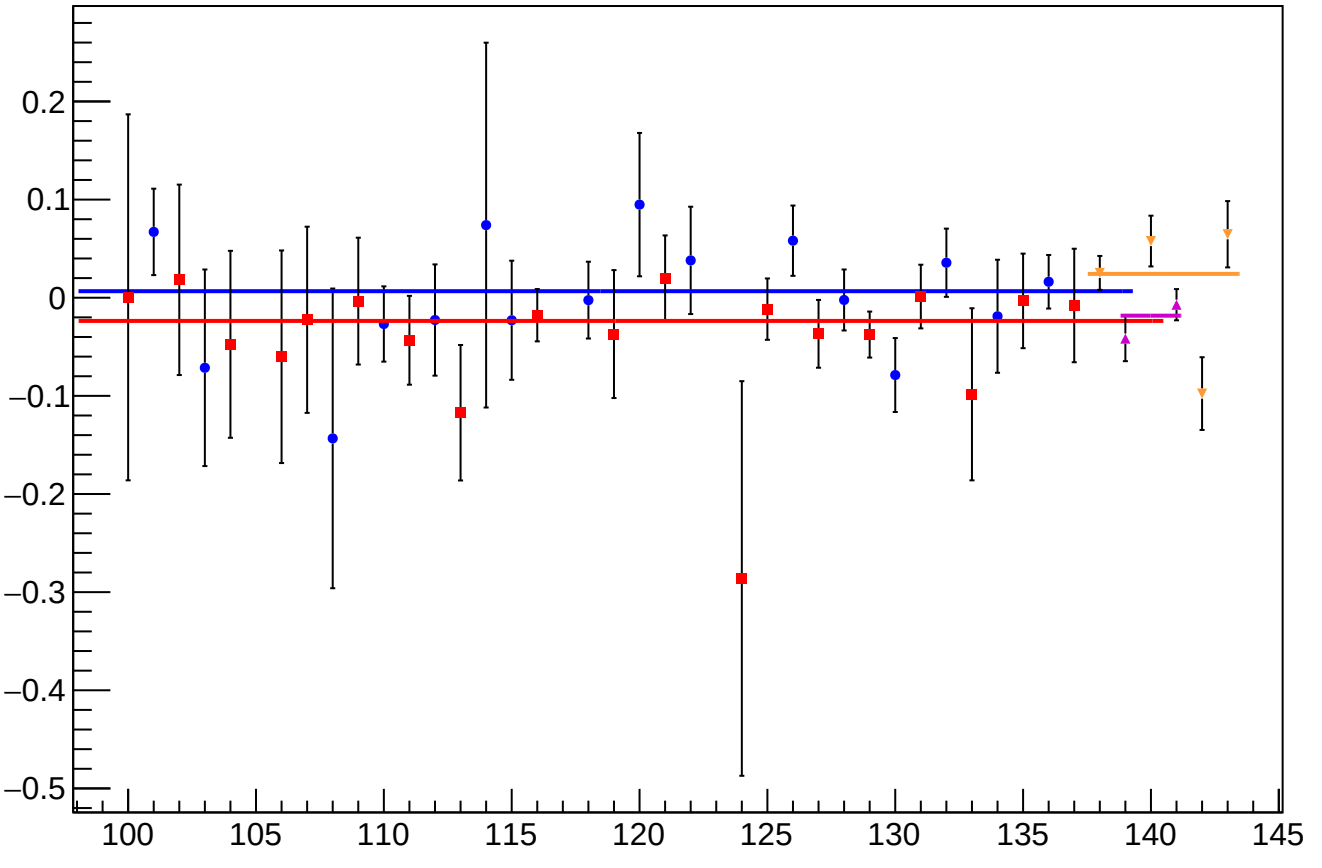
Left: 0.000+/-0.000 χ^2/NDF: 201133.6/5

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:2338614.9/17

Out: 0.000+/-0.000 χ^2/NDF:2773858.2/22

All: 0.000+/-0.000 χ^2/NDF: 5136843.8/40



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.018+/-0.013 χ^2/NDF:1.5/1

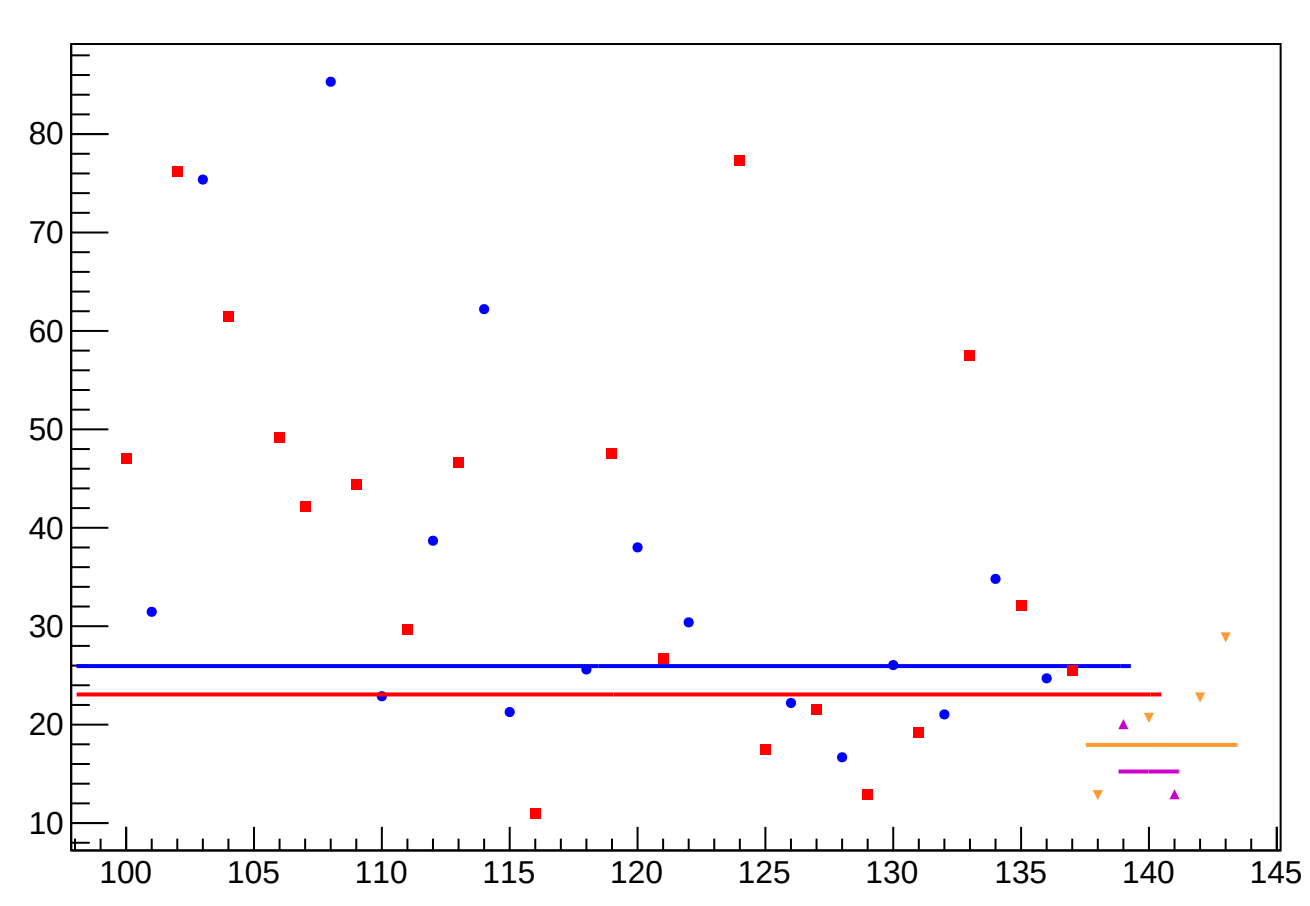
Left: 0.004+/-0.009 χ^2/NDF: 21.0/5

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 48.8/40



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.945+/-0.009 χ^2/NDF:440433.4/3

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.236+/-0.009 χ^2/NDF:129755.0/1

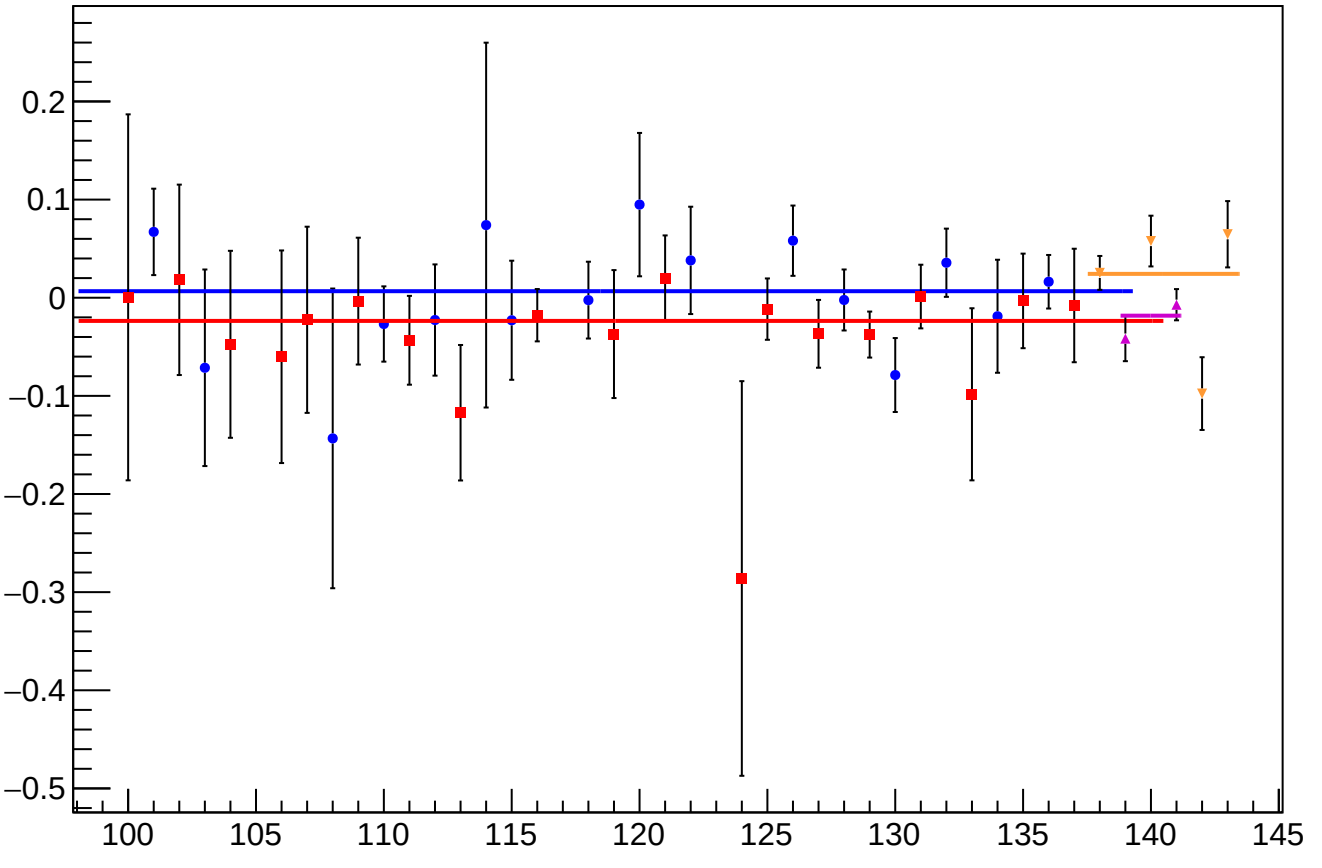
Left: 16.659+/-0.006 χ^2/NDF: 615207.6/5

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 21.465+/-0.006 χ^2/NDF:2291169.8/17

Out: 20.935+/-0.006 χ^2/NDF:3999083.6/22

All: 21.186+/-0.004 χ^2/NDF: 6294388.9/40



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

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: 0.004+/-0.009 χ^2/NDF: 21.0/5

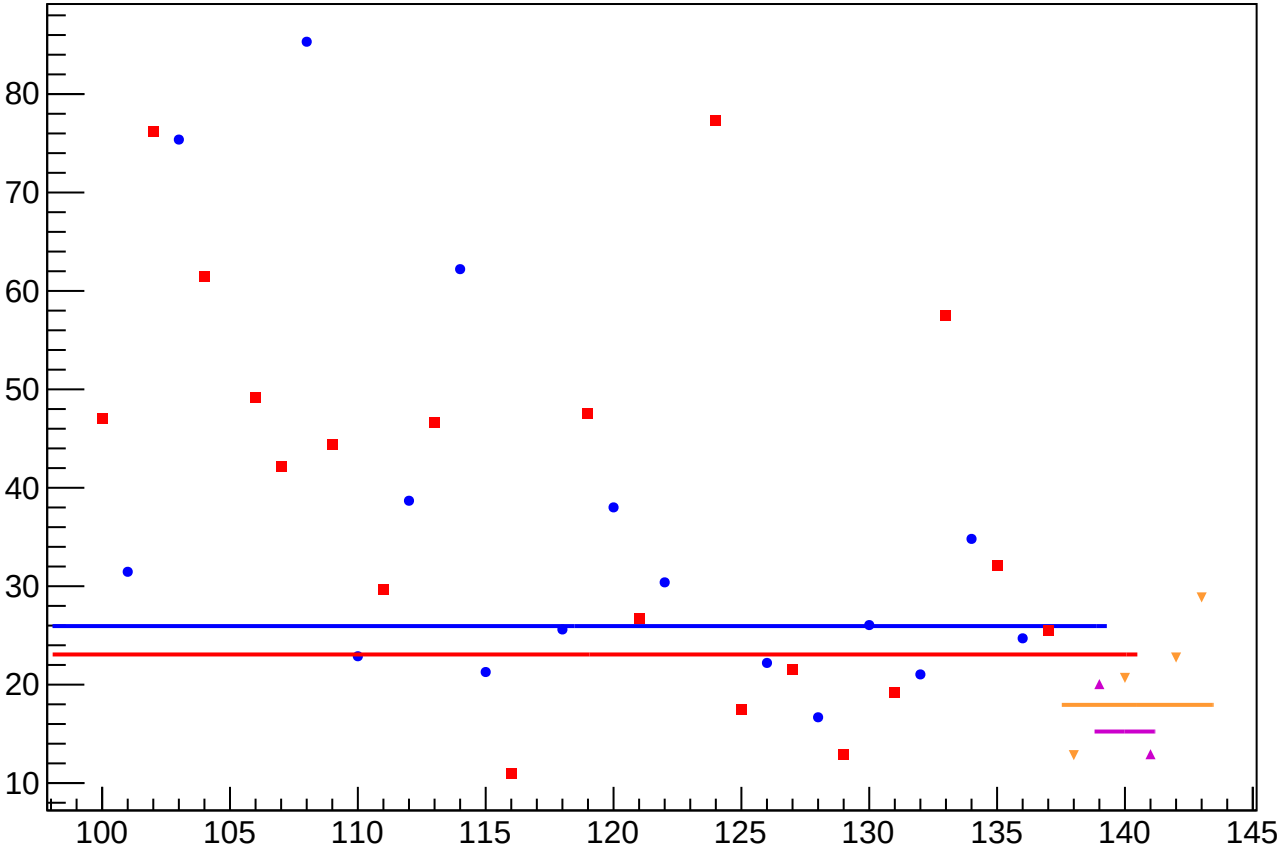
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 48.8/40

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: 17.945+/-0.009 χ^2/NDF:440433.4/3

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.236+/-0.009 χ^2/NDF:129755.0/1

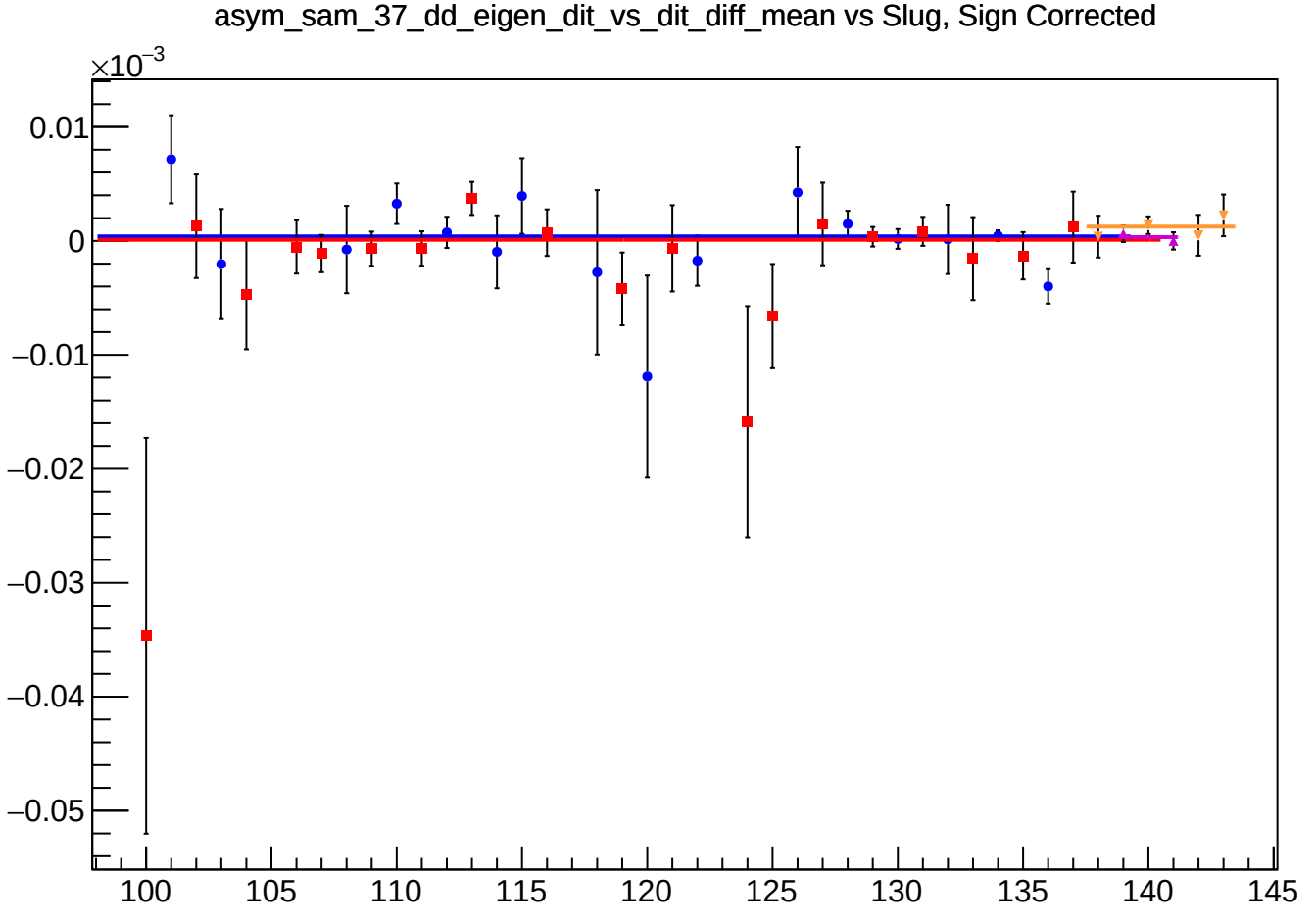
Left: 16.659+/-0.006 χ^2/NDF: 615207.6/5

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 21.465+/-0.006 χ^2/NDF:2291169.8/17

Out: 20.935+/-0.006 χ^2/NDF:3999083.6/22

All: 21.186+/-0.004 χ^2/NDF: 6294388.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

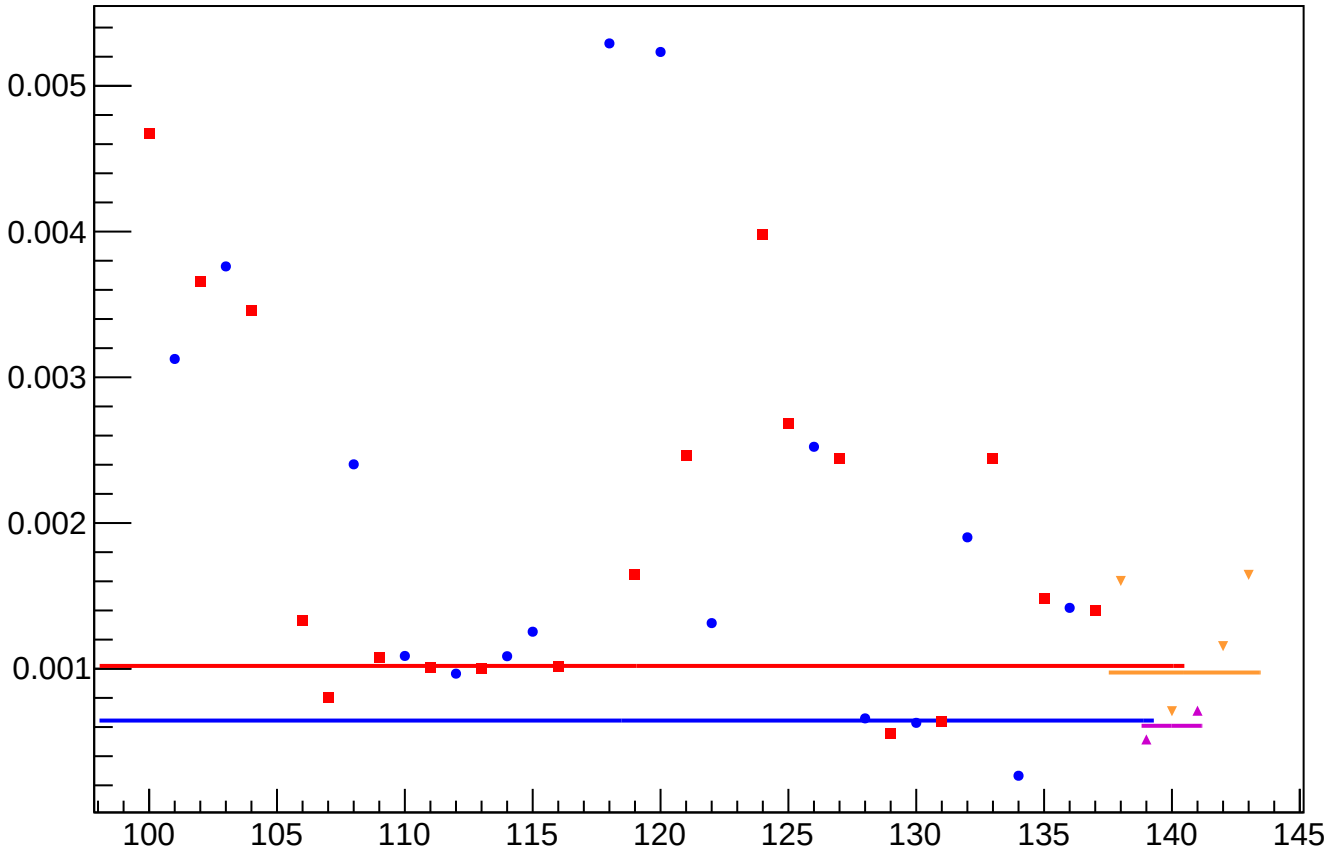
Left: 0.000+/-0.000 χ^2/NDF: 2.4/5

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:23.4/22

All: 0.000+/-0.000 χ^2/NDF: 44.7/40



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:760451.5/3

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:71067.3/1

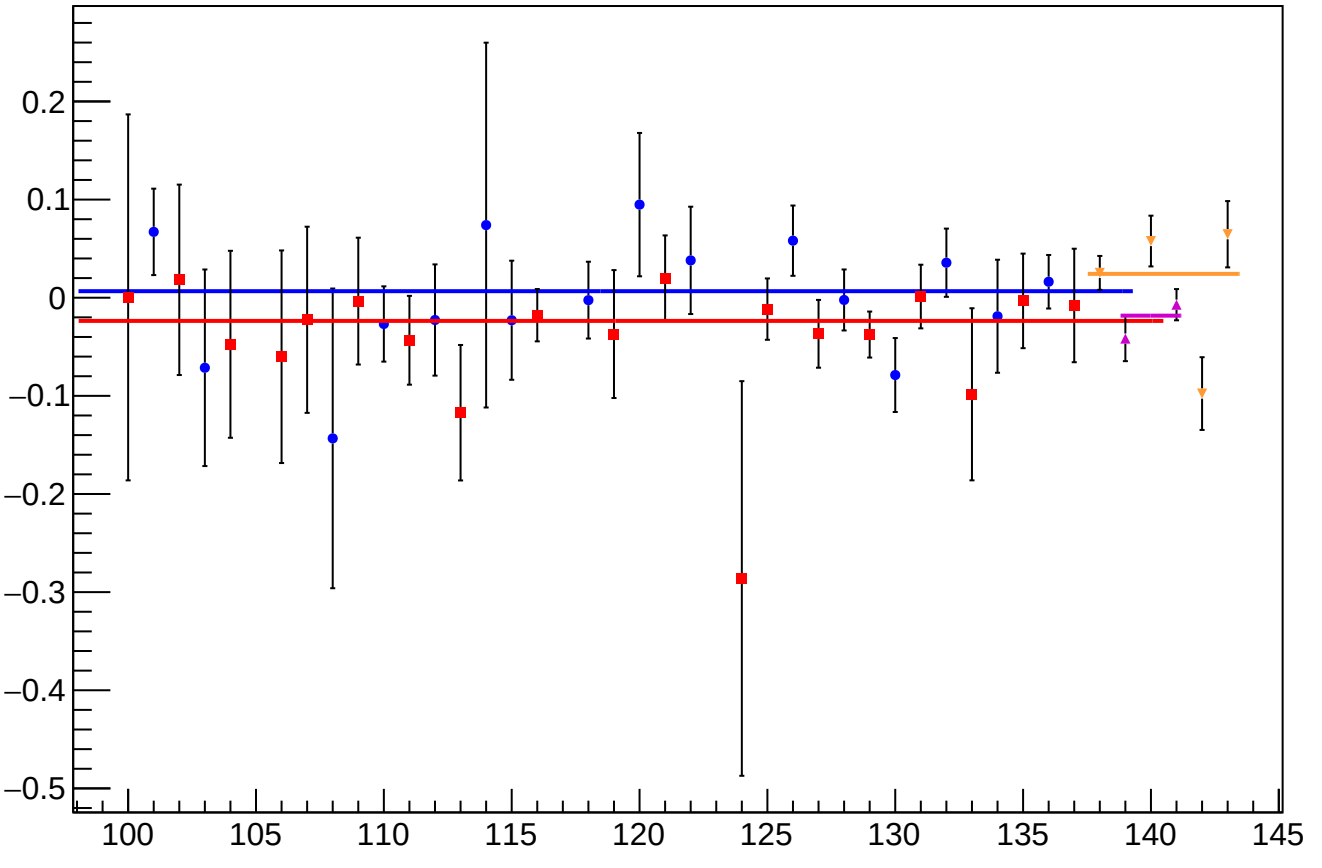
Left: 0.001+/-0.000 χ^2/NDF: 1236323.6/5

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:4429897.0/22

All: 0.001+/-0.000 χ^2/NDF: 12361643.9/40



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

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: 0.004+/-0.009 χ^2/NDF: 21.0/5

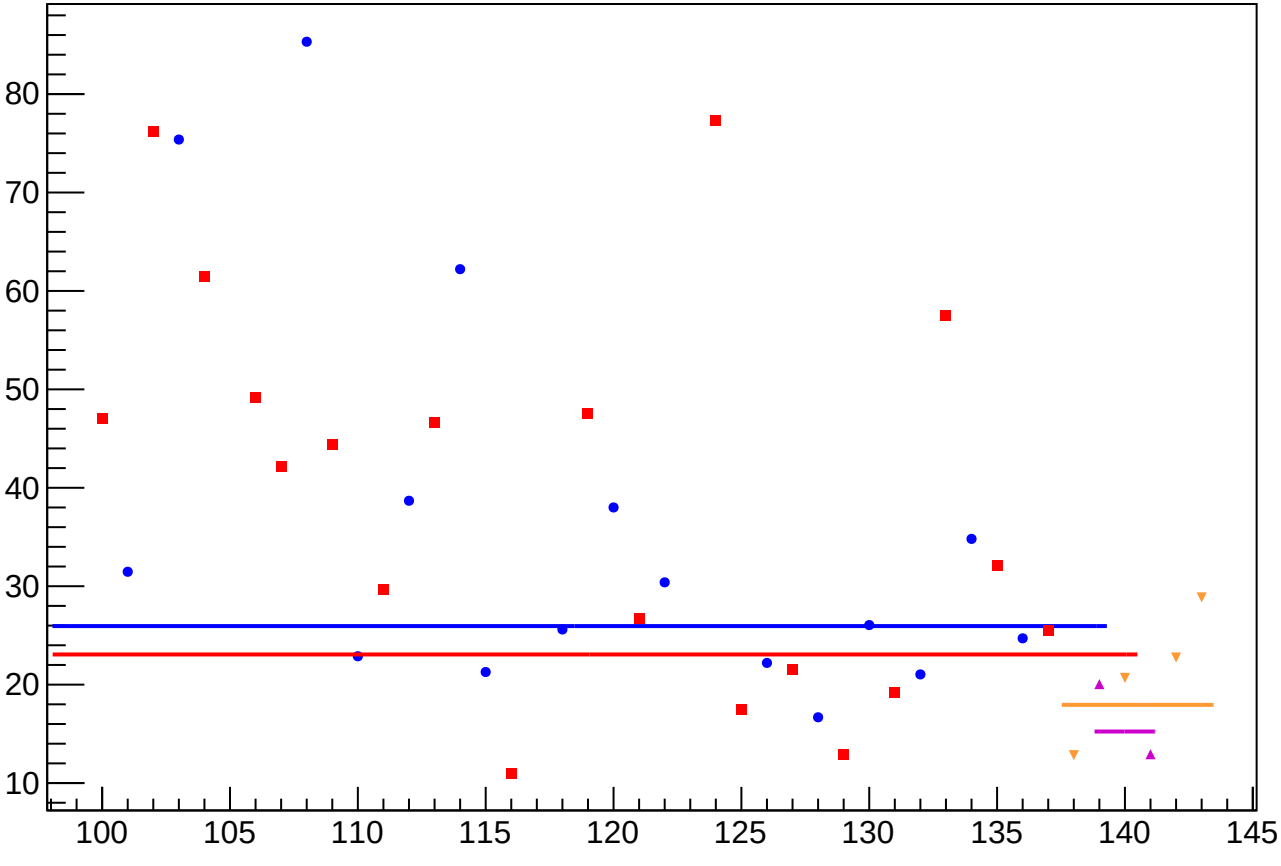
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 48.8/40

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.946+/-0.009 χ^2/NDF:440417.5/3

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.237+/-0.009 χ^2/NDF:129722.8/1

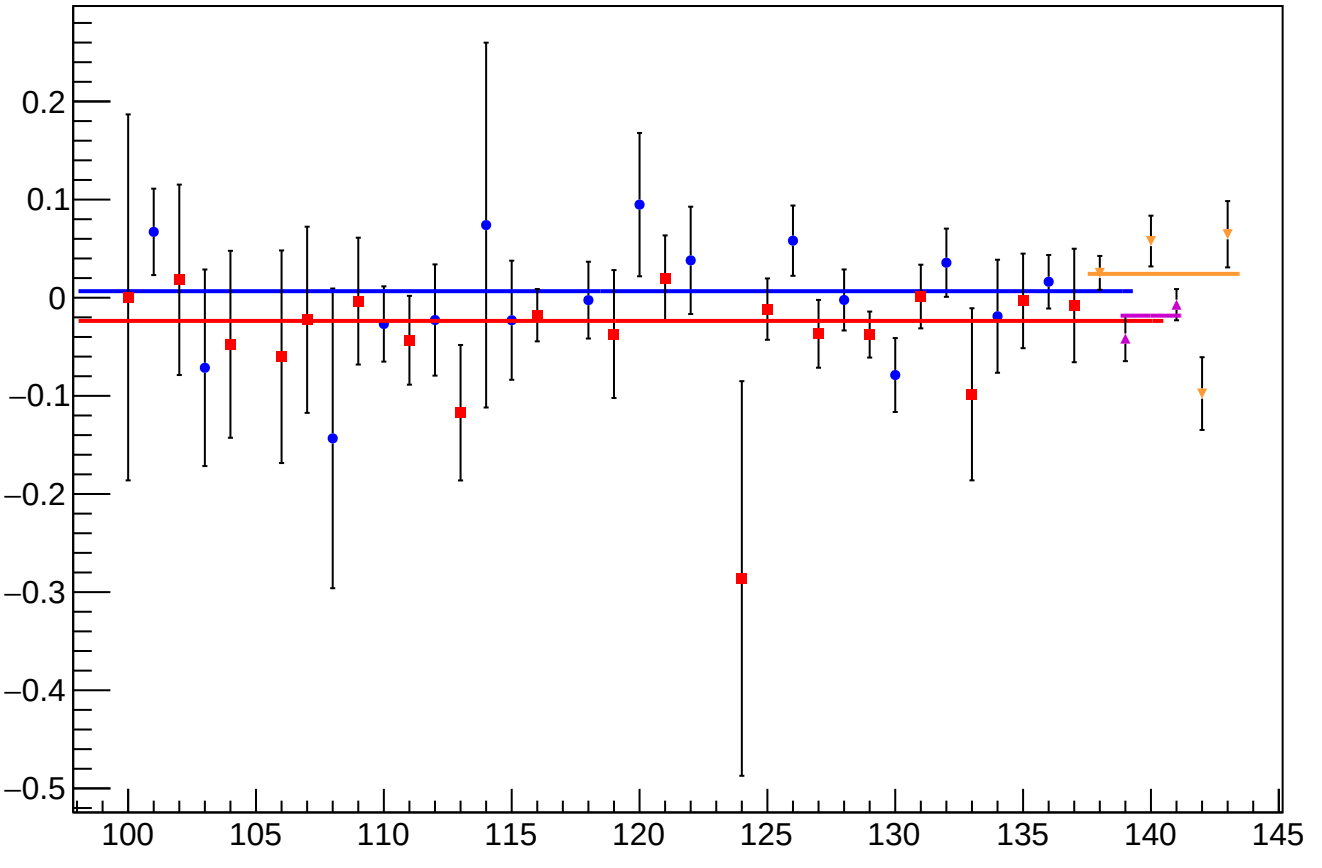
Left: 16.659+/-0.006 χ^2/NDF: 615171.8/5

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 21.466+/-0.006 χ^2/NDF:2291085.5/17

Out: 20.936+/-0.006 χ^2/NDF:3998875.4/22

All: 21.186+/-0.004 χ^2/NDF: 6294091.9/40



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.024+/-0.012 χ^2/NDF:13.9/3

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: 0.004+/-0.009 χ^2/NDF: 21.0/5

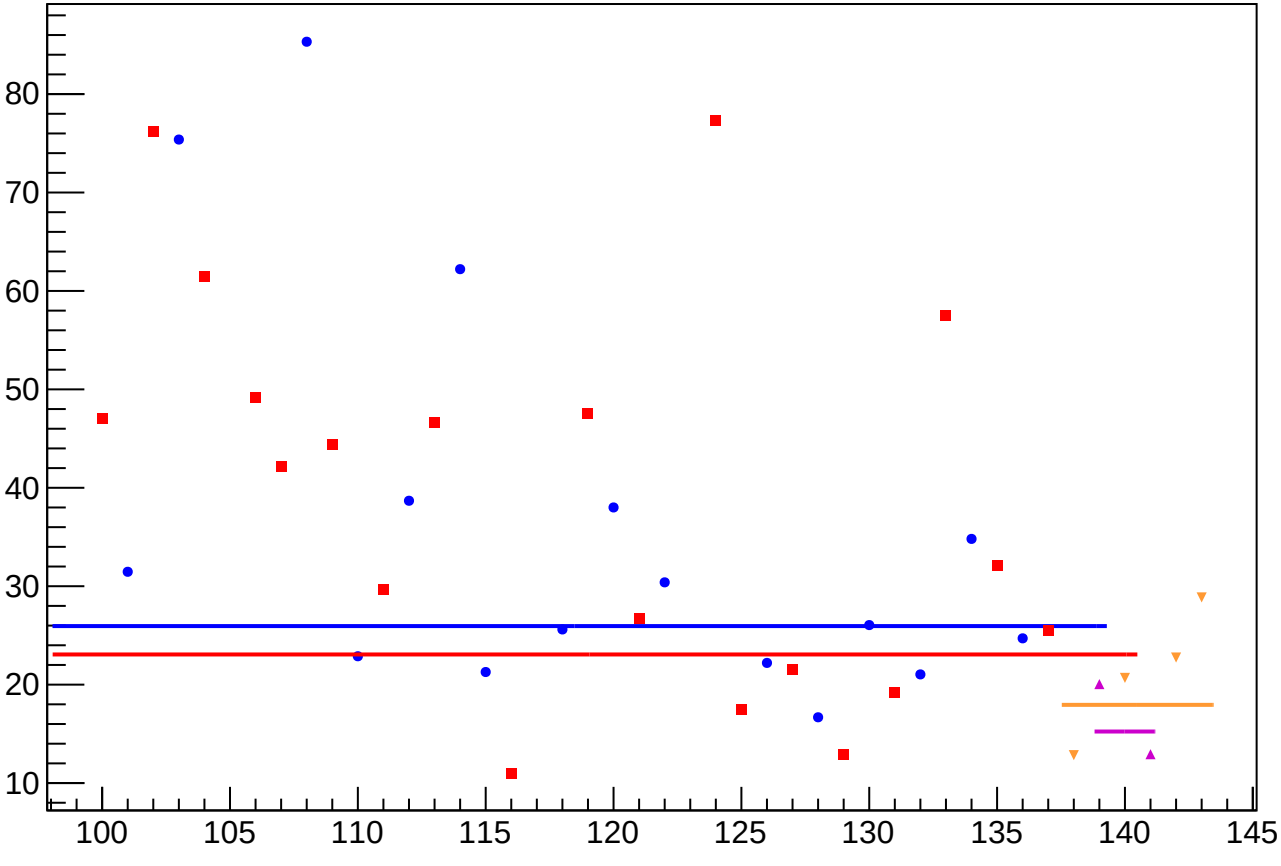
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.008 χ^2/NDF:18.6/17

Out: -0.004+/-0.008 χ^2/NDF:30.1/22

All: -0.004+/-0.006 χ^2/NDF: 48.8/40

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.946+/-0.009 χ^2/NDF:440417.5/3

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.237+/-0.009 χ^2/NDF:129722.8/1

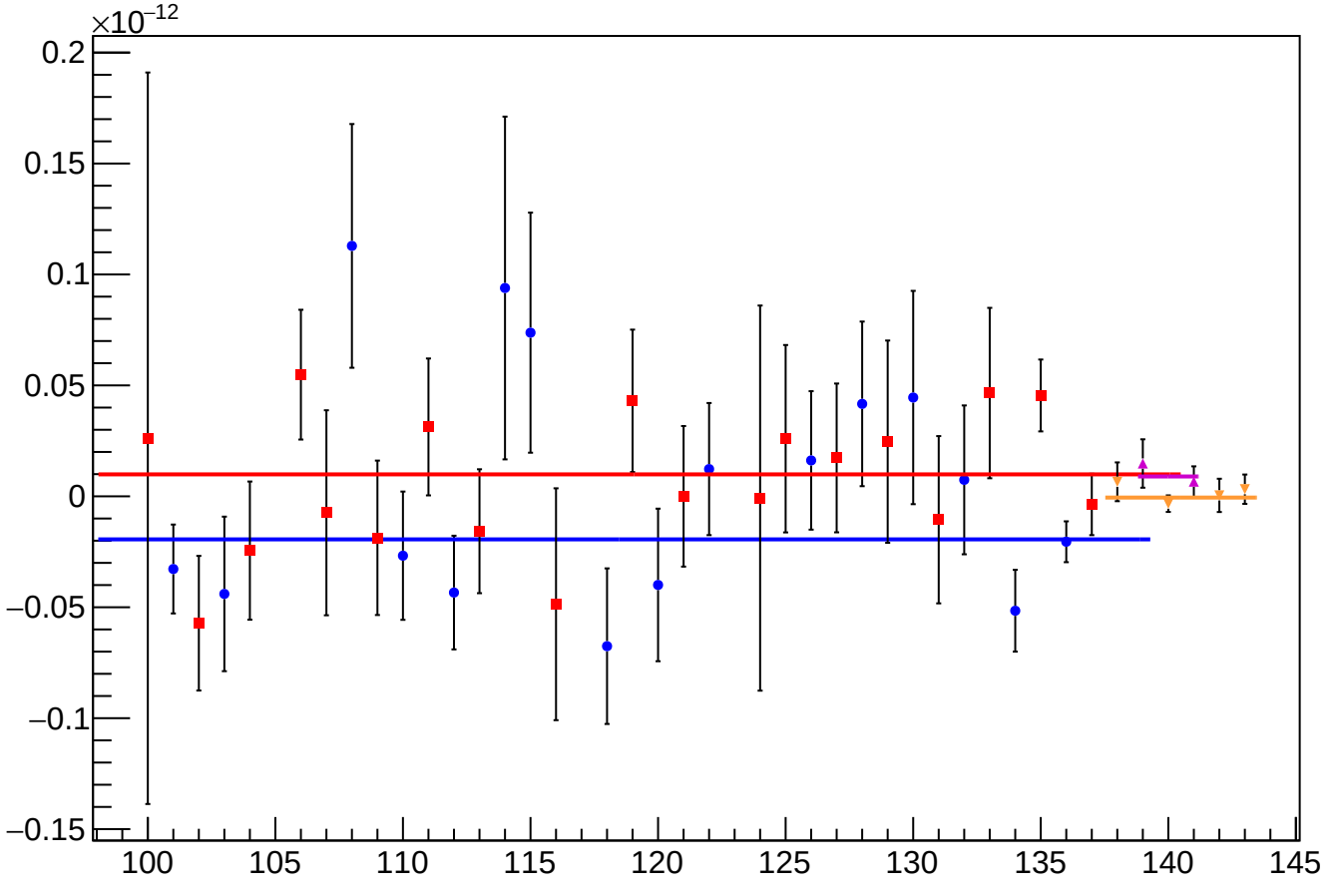
Left: 16.659+/-0.006 χ^2/NDF: 615171.8/5

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 21.466+/-0.006 χ^2/NDF:2291085.5/17

Out: 20.936+/-0.006 χ^2/NDF:3998875.4/22

All: 21.186+/-0.004 χ^2/NDF: 6294091.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

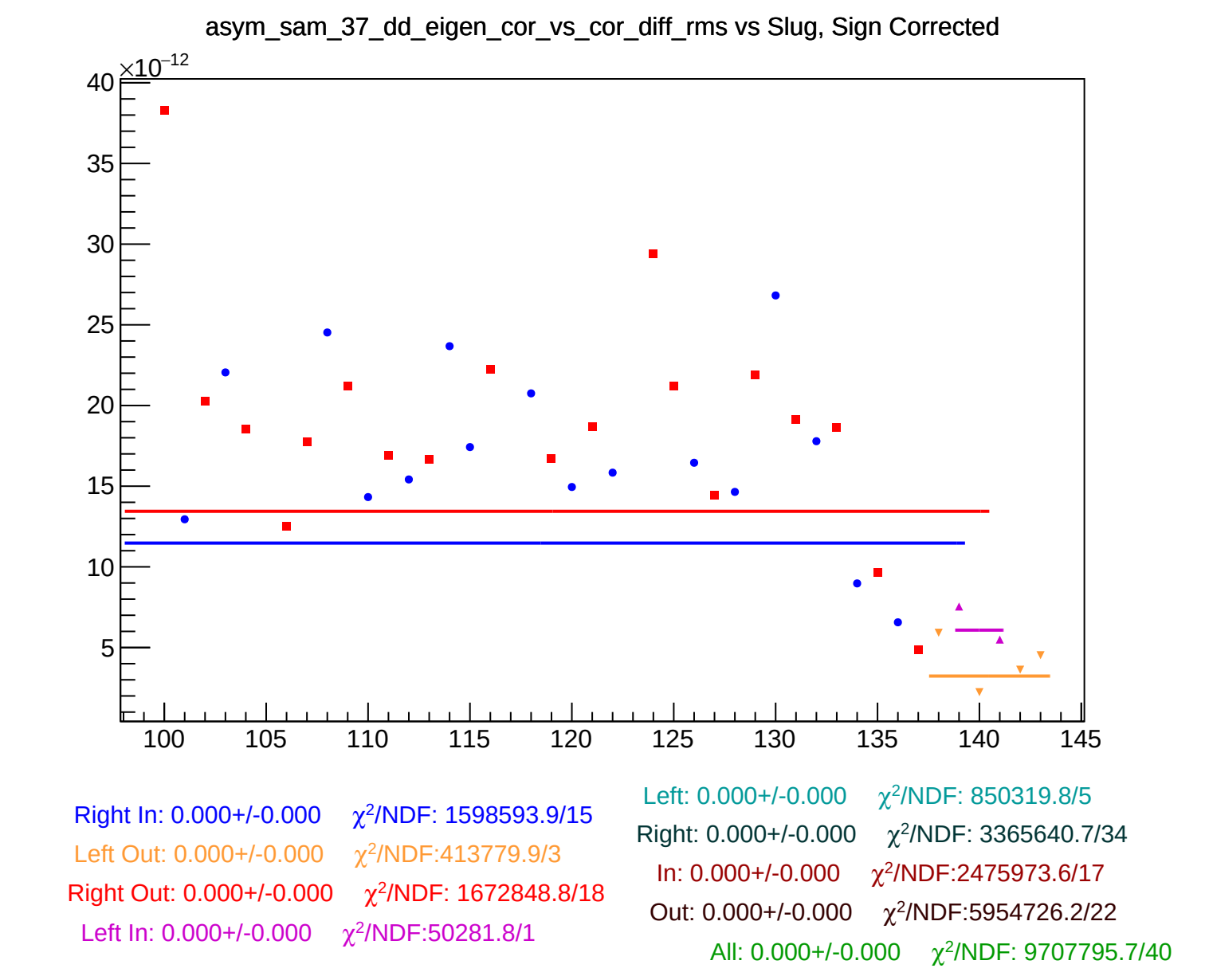
Left: 0.000+/-0.000 χ^2/NDF: 4.1/5

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:23.9/22

All: -0.000+/-0.000 χ^2/NDF: 62.7/40


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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100
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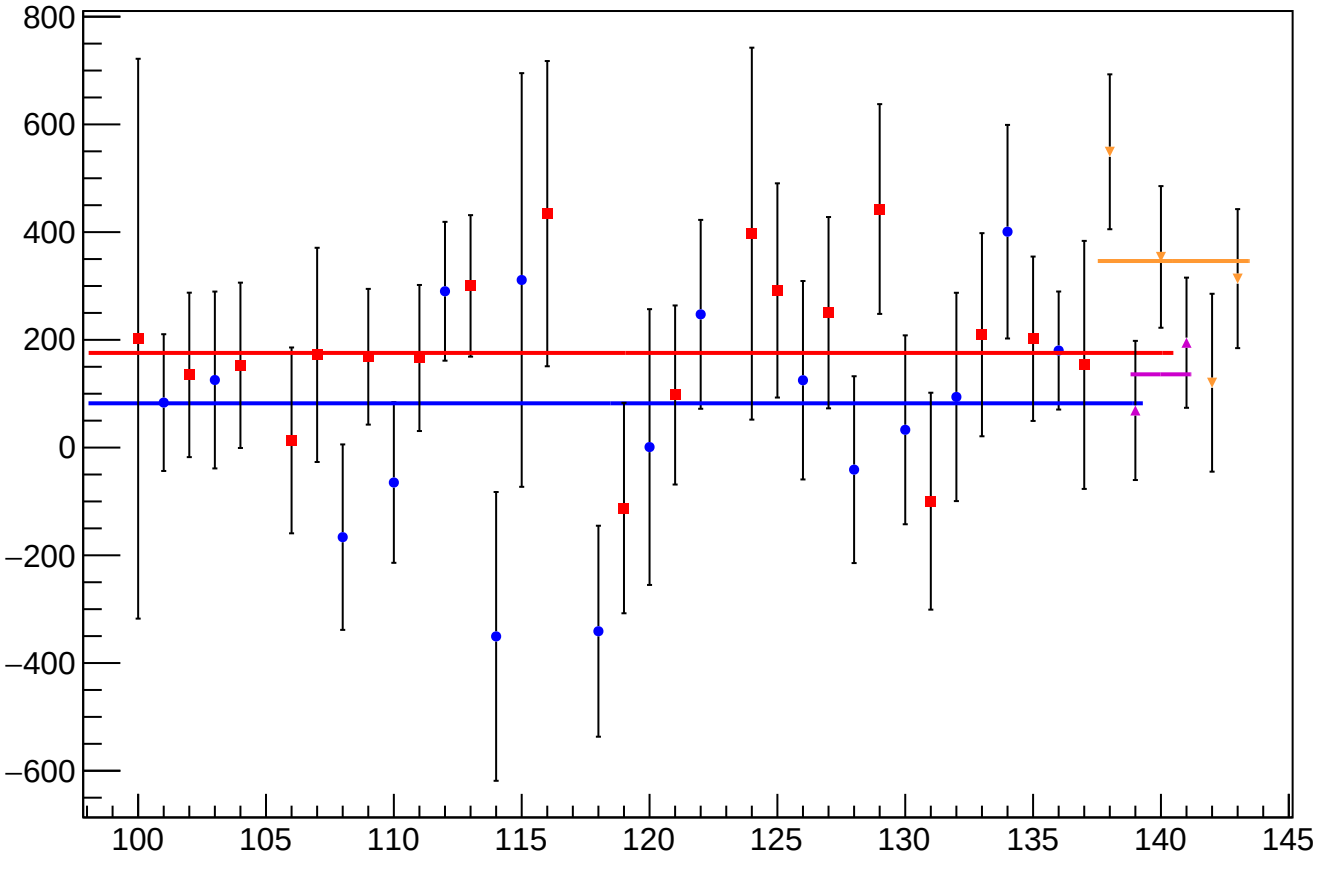
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:413779.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:50281.8/1
Left: 0.000+/-0.000 χ²/NDF: 850319.8/5
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:2475973.6/17
Out: 0.000+/-0.000 χ²/NDF:5954726.2/22
All: 0.000+/-0.000 χ²/NDF: 9707795.7/40



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.363+/-70.200 χ^2/NDF:3.9/3

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 135.996+/-88.249 χ^2/NDF:0.5/1

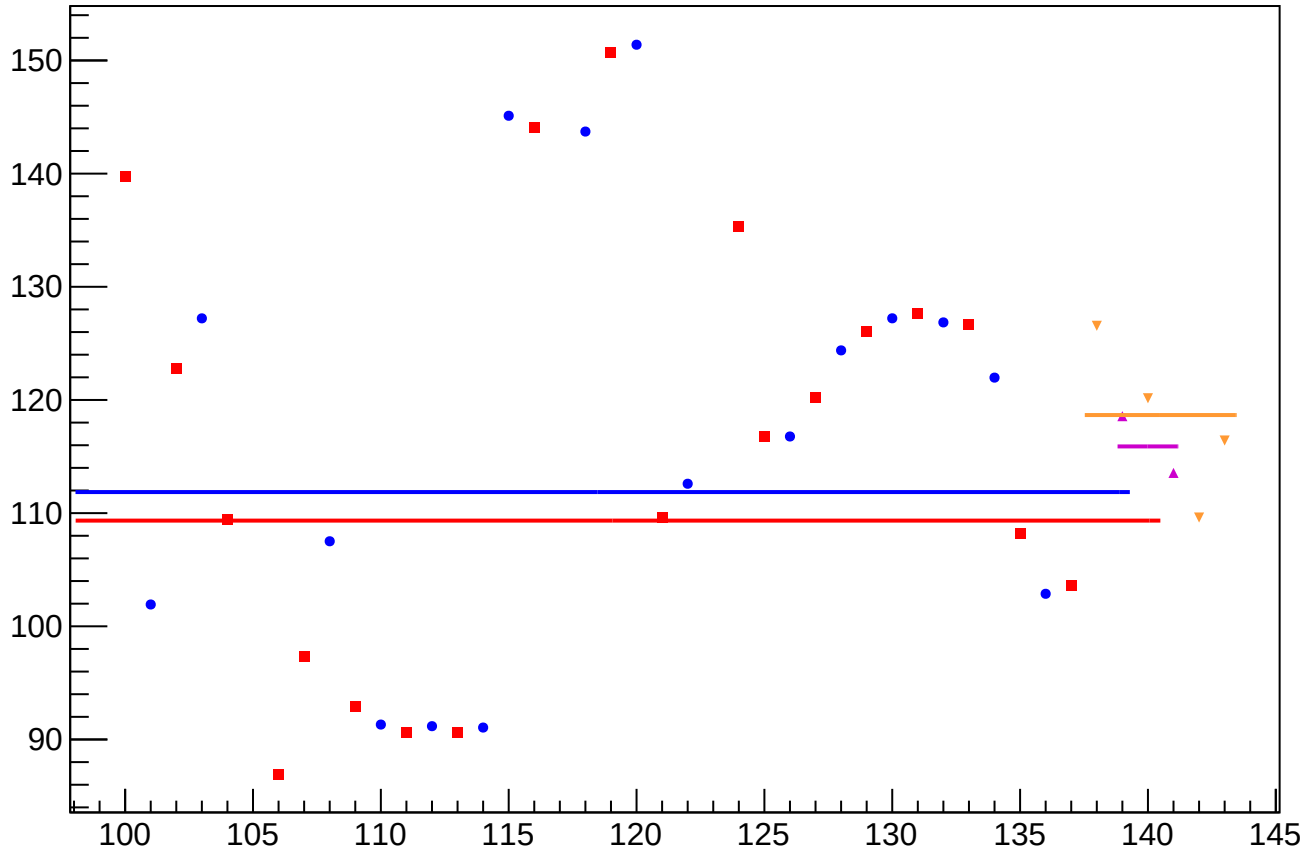
Left: 264.836+/-54.938 χ^2/NDF: 7.9/5

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 92.183+/-38.022 χ^2/NDF:19.2/17

Out: 218.615+/-35.193 χ^2/NDF:18.2/22

All: 160.278+/-25.827 χ^2/NDF: 43.4/40



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

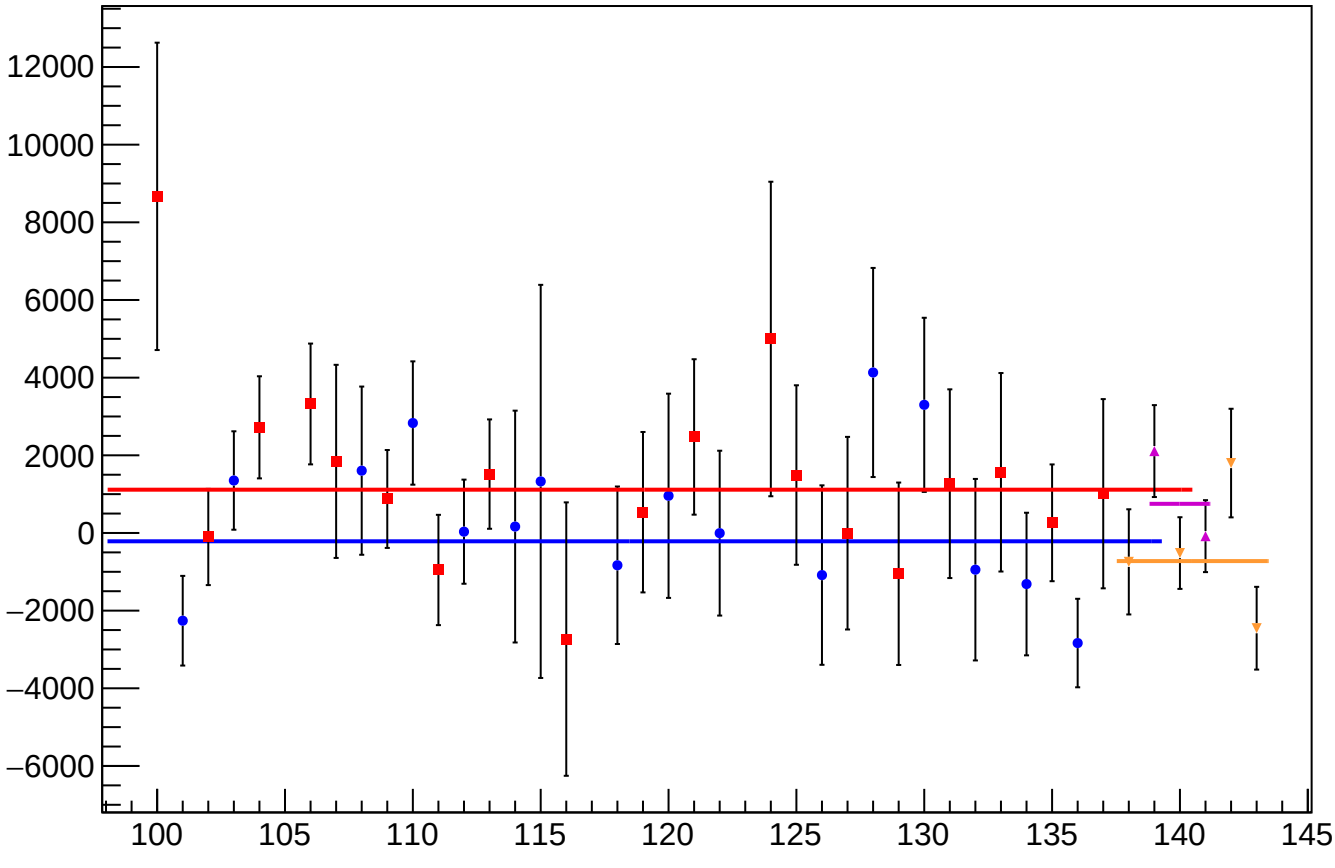
Left: 117.593+/-0.039 χ^2/NDF: 15709.4/5

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 112.611+/-0.027 χ^2/NDF:311031.7/17

Out: 111.684+/-0.025 χ^2/NDF:406547.8/22

All: 112.112+/-0.018 χ^2/NDF: 718218.7/40



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -723.968+/-566.922 χ^2/NDF:5.9/3

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 750.548+/-729.501 χ^2/NDF:2.1/1

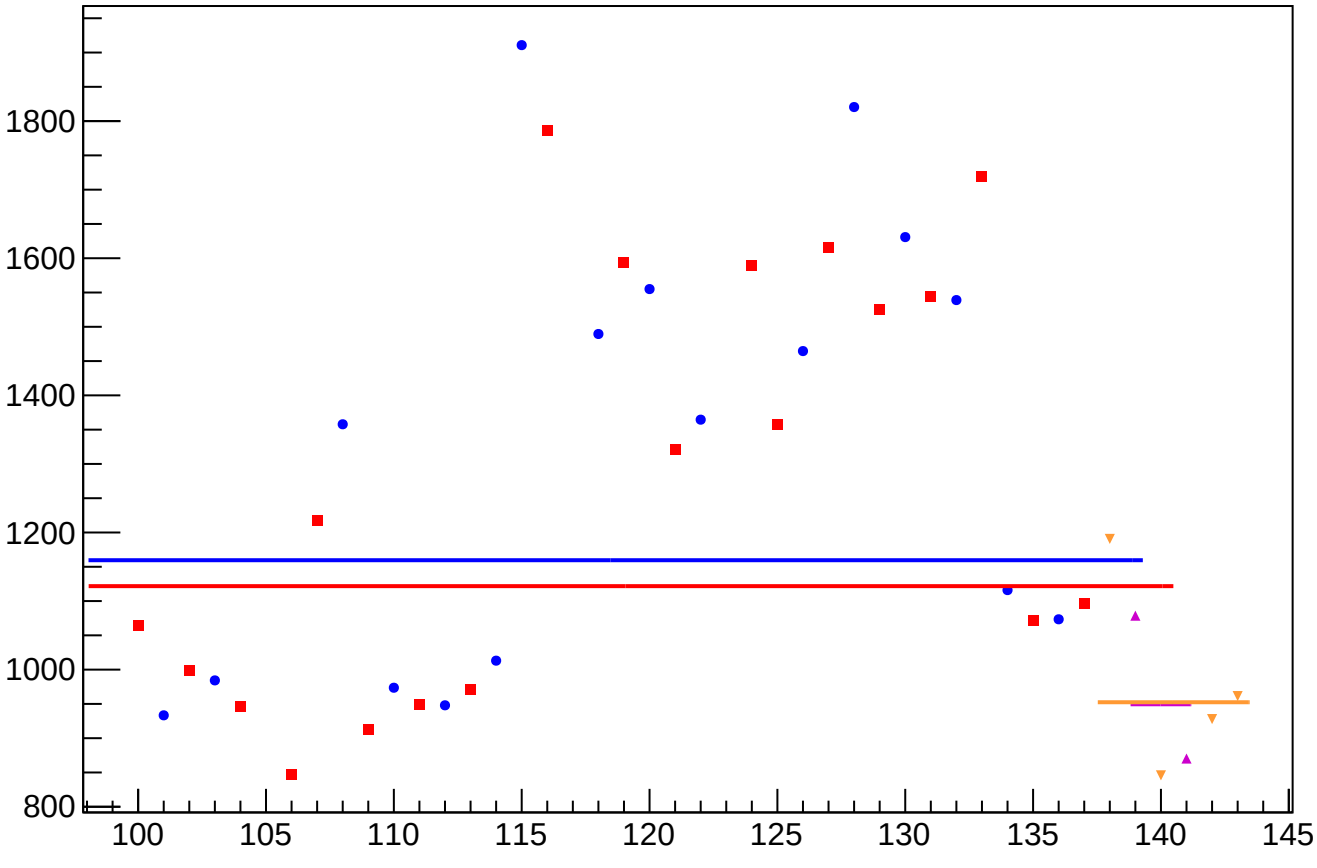
Left: -168.760+/-447.640 χ^2/NDF: 10.6/5

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 46.554+/-379.251 χ^2/NDF:23.8/17

Out: 457.073+/-339.048 χ^2/NDF:27.2/22

All: 274.718+/-252.766 χ^2/NDF: 51.7/40



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 952.432+/-0.401 χ^2/NDF:89339.2/3

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 949.483+/-0.516 χ^2/NDF:38432.3/1

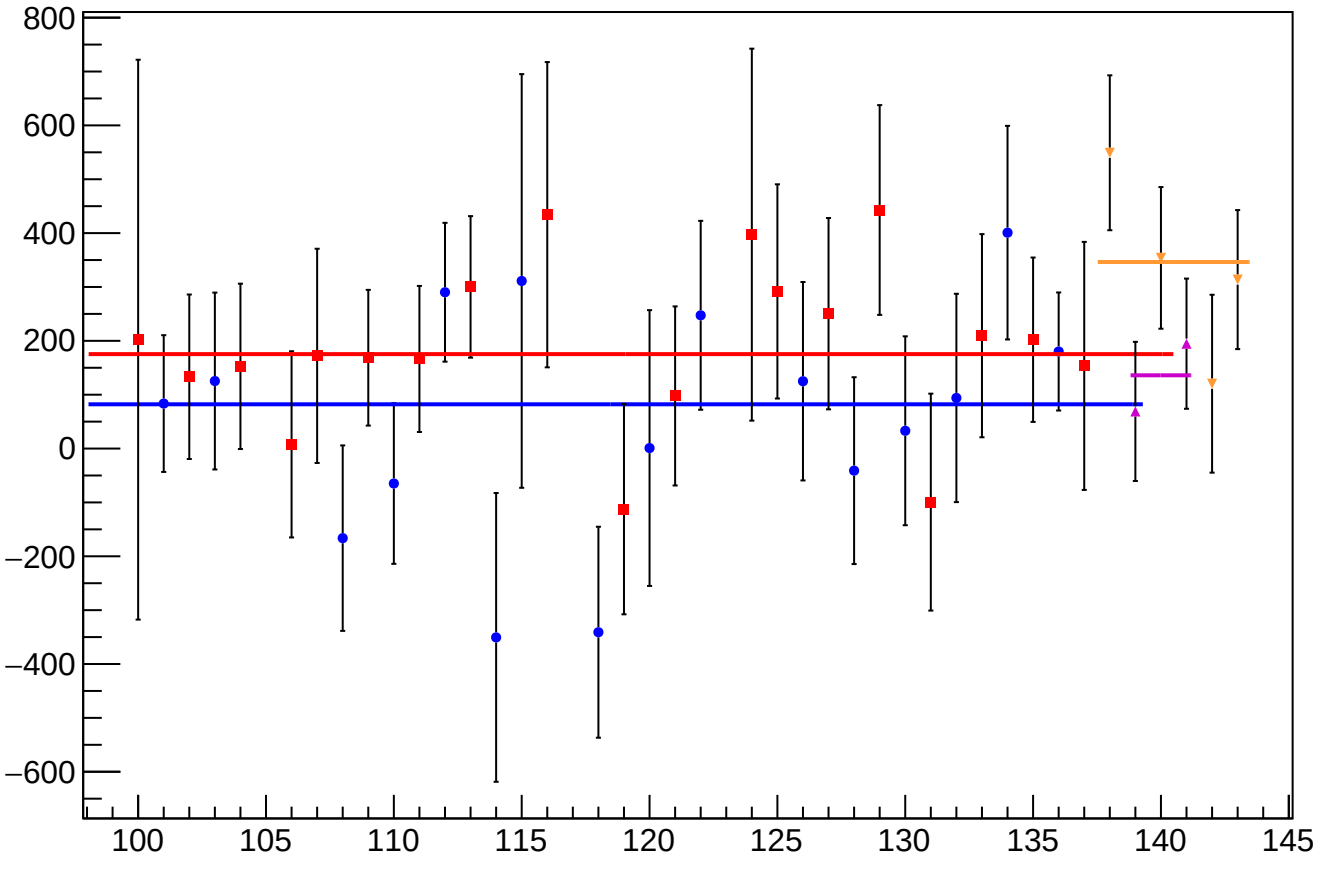
Left: 951.321+/-0.317 χ^2/NDF: 127791.9/5

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1102.787+/-0.268 χ^2/NDF:843164.8/17

Out: 1061.192+/-0.240 χ^2/NDF:986206.3/22

All: 1079.669+/-0.179 χ^2/NDF: 1842742.4/40



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.371+/-70.200 χ^2/NDF:3.9/3

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 136.008+/-88.249 χ^2/NDF:0.5/1

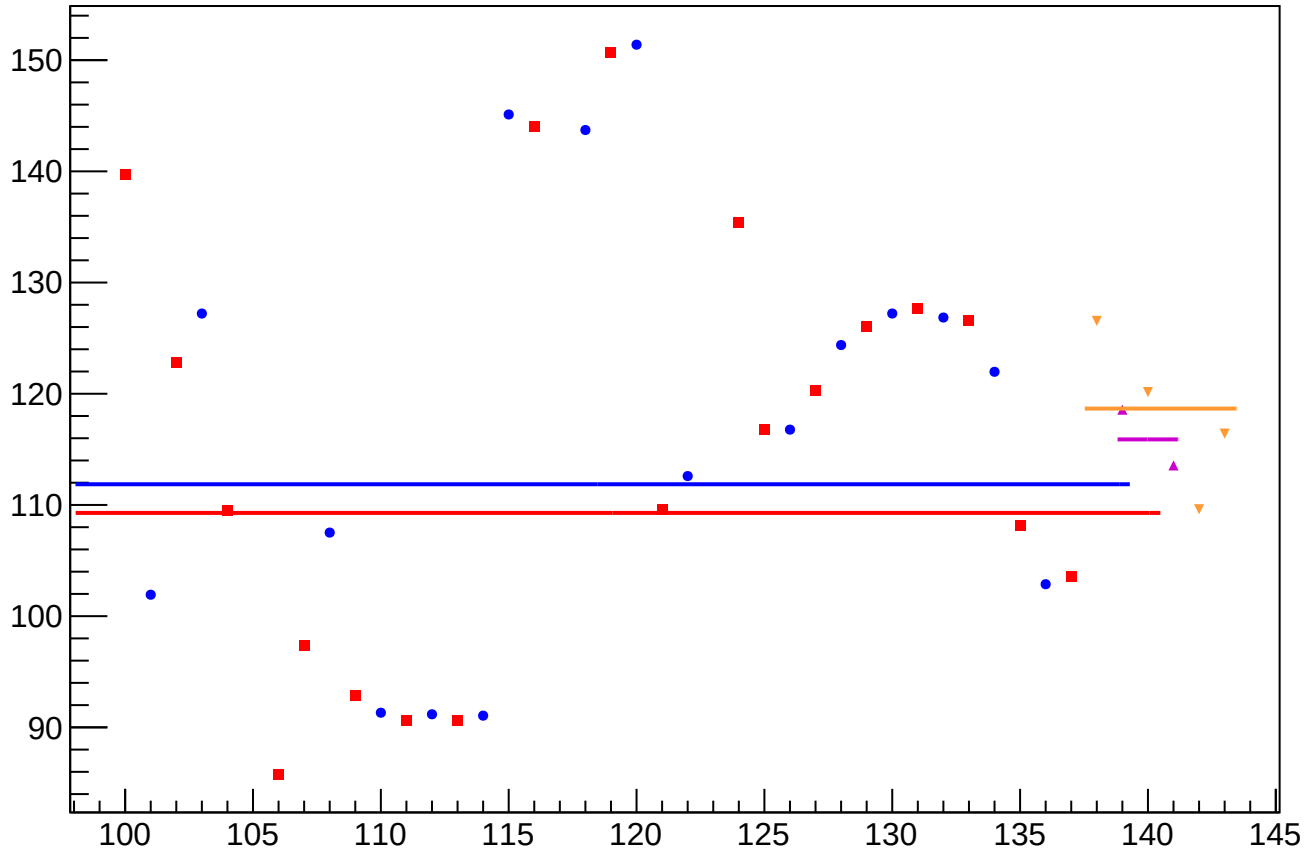
Left: 264.846+/-54.938 χ^2/NDF: 7.9/5

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 92.176+/-38.022 χ^2/NDF:19.2/17

Out: 218.331+/-35.196 χ^2/NDF:18.3/22

All: 160.115+/-25.829 χ^2/NDF: 43.4/40



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.895+/-0.062 χ^2/NDF:1606.7/1

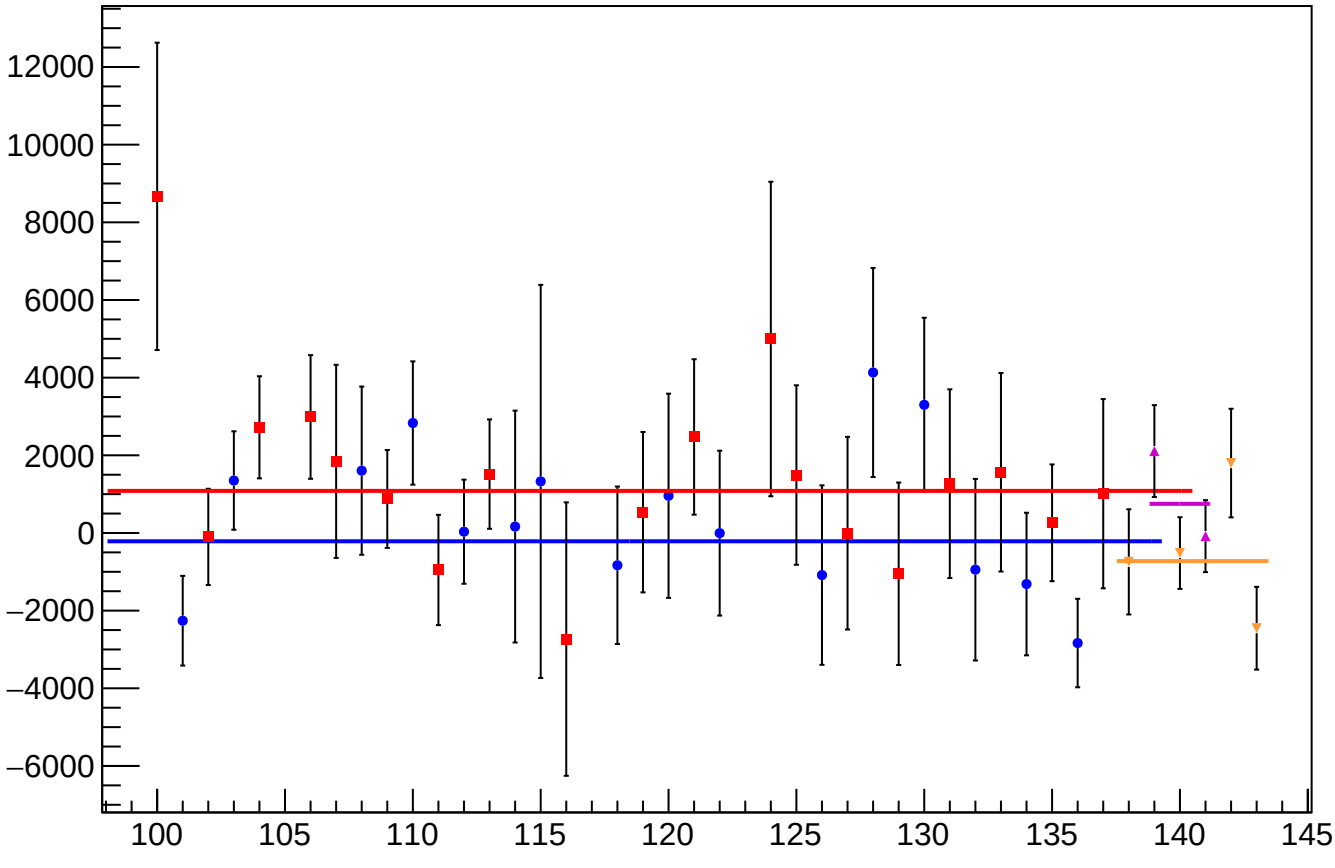
Left: 117.593+/-0.039 χ^2/NDF: 15709.4/5

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.611+/-0.027 χ^2/NDF:311032.8/17

Out: 111.643+/-0.025 χ^2/NDF:410356.7/22

All: 112.089+/-0.018 χ^2/NDF: 722087.3/40



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -723.951+/-566.921 χ^2/NDF:5.9/3

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 750.574+/-729.501 χ^2/NDF:2.1/1

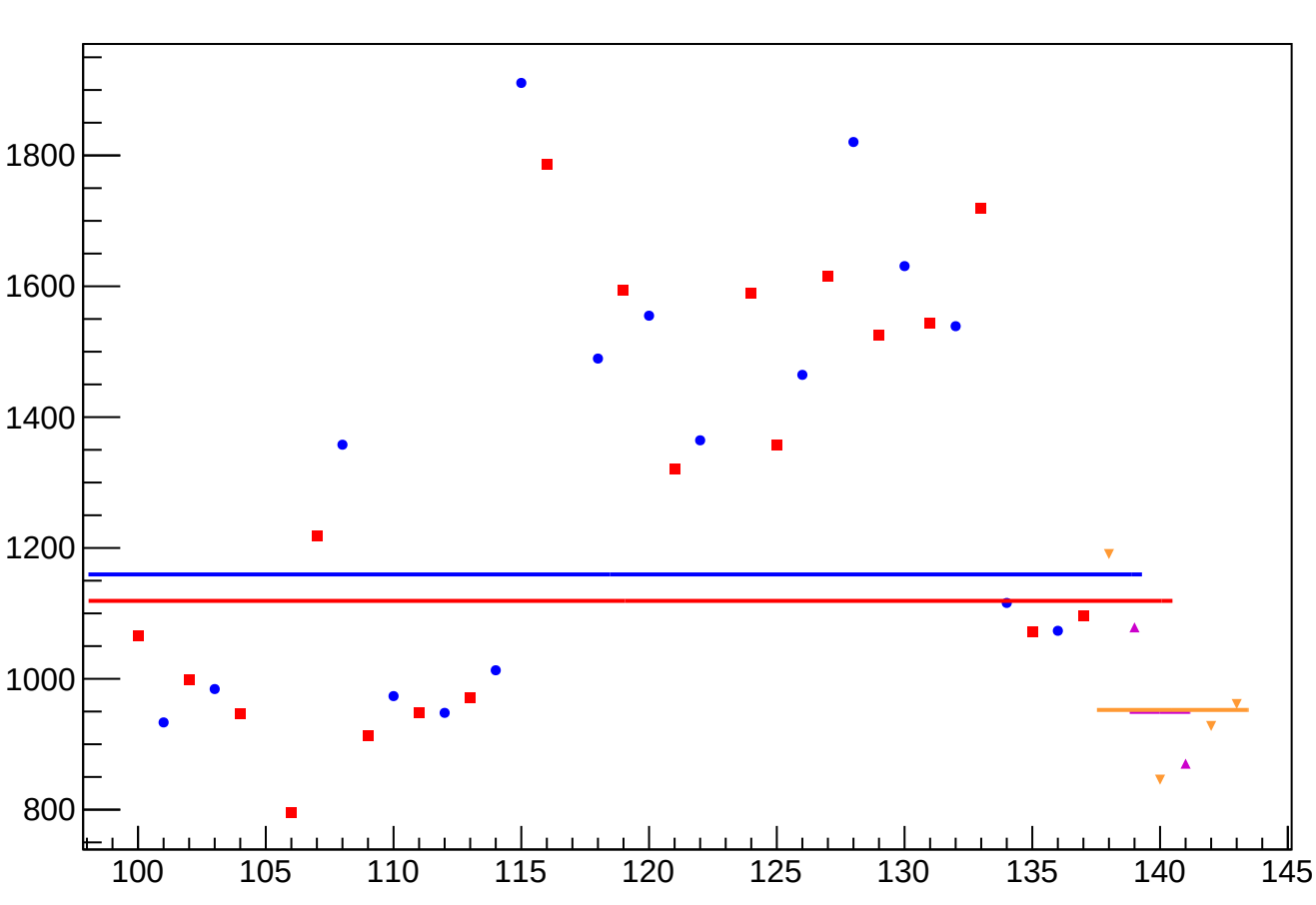
Left: -168.740+/-447.640 χ^2/NDF: 10.6/5

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 46.497+/-379.253 χ^2/NDF:23.8/17

Out: 435.879+/-339.426 χ^2/NDF:26.4/22

All: 262.700+/-252.923 χ^2/NDF: 50.8/40



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 952.431+/-0.401 χ^2/NDF:89339.5/3

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 949.483+/-0.516 χ^2/NDF:38431.6/1

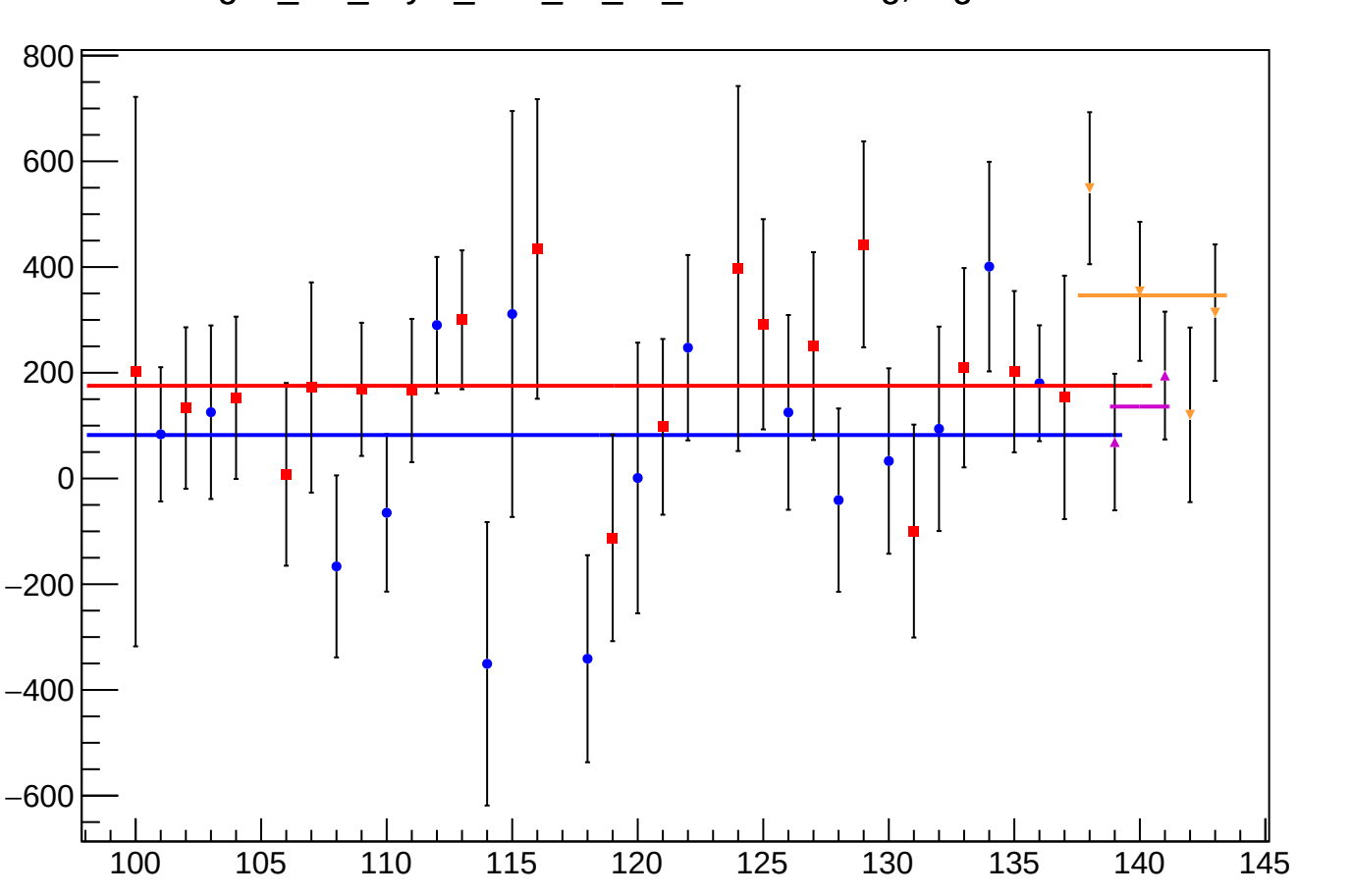
Left: 951.321+/-0.317 χ^2/NDF: 127791.4/5

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1102.793+/-0.268 χ^2/NDF:843143.4/17

Out: 1059.391+/-0.240 χ^2/NDF:1003463.6/22

All: 1078.694+/-0.179 χ^2/NDF: 1861151.1/40



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 346.371+/-70.200 χ^2/NDF:3.9/3

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 136.008+/-88.249 χ^2/NDF:0.5/1

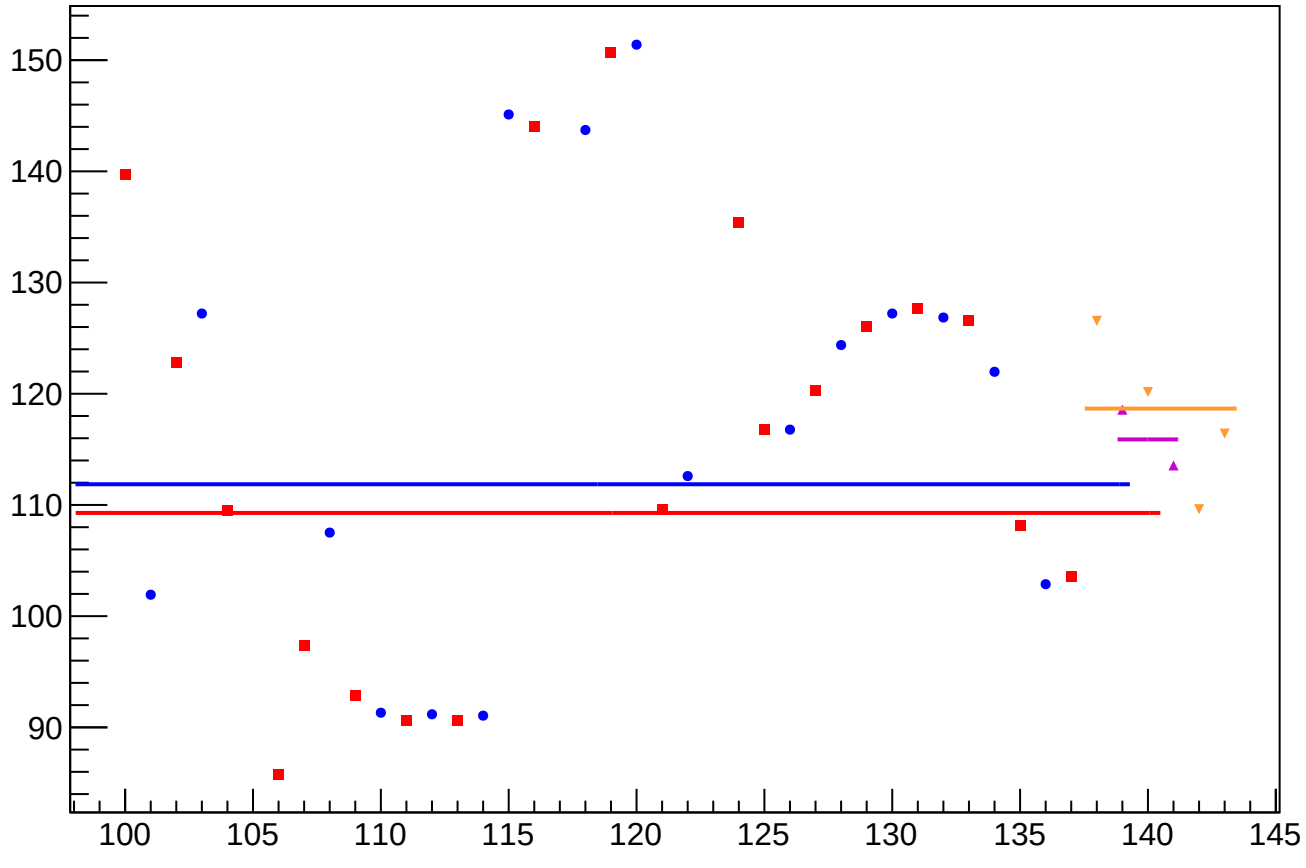
Left: 264.846+/-54.938 χ^2/NDF: 7.9/5

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 92.176+/-38.022 χ^2/NDF:19.2/17

Out: 218.331+/-35.196 χ^2/NDF:18.3/22

All: 160.115+/-25.829 χ^2/NDF: 43.4/40



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.668+/-0.050 χ^2/NDF:12893.5/3

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: 117.593+/-0.039 χ^2/NDF: 15709.4/5

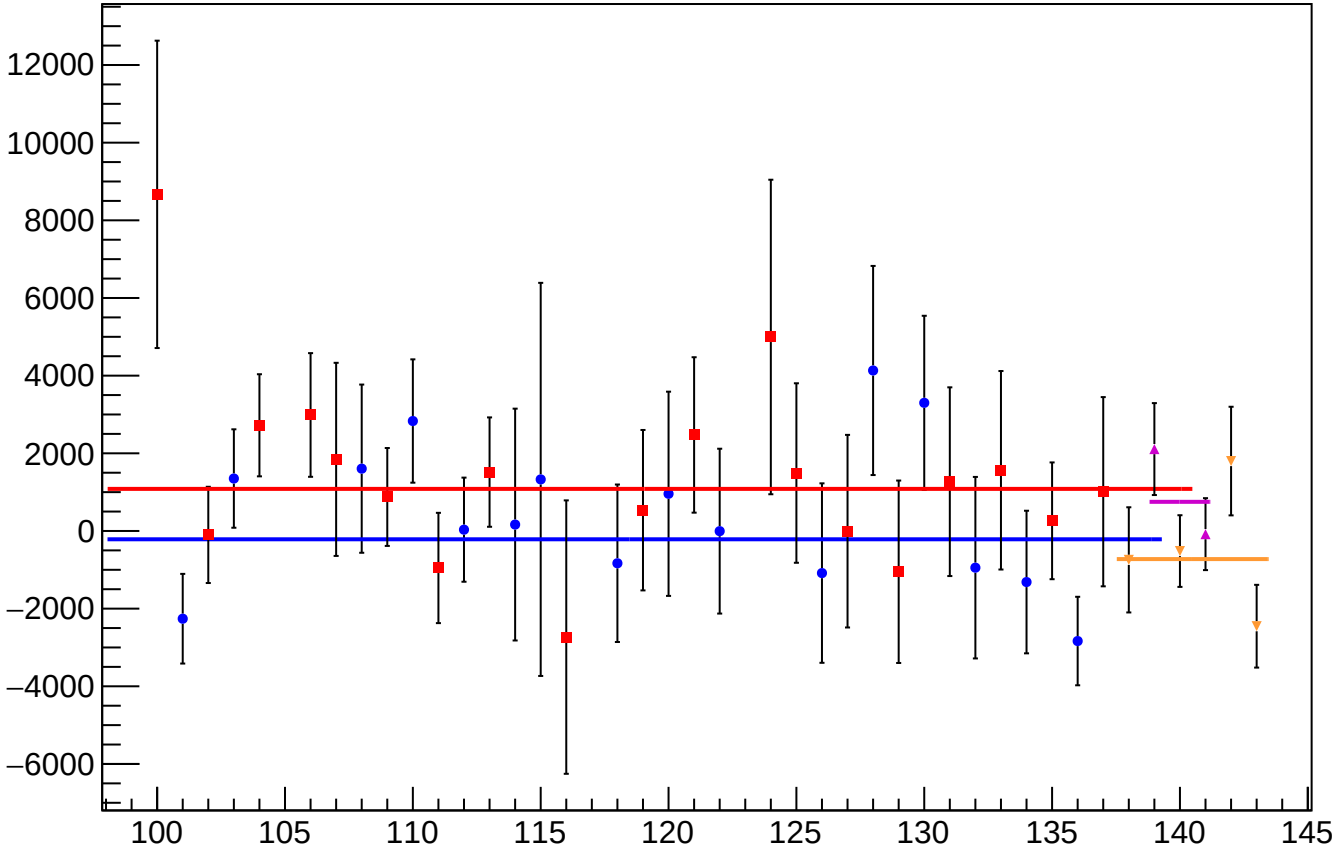
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.611+/-0.027 χ^2/NDF:311032.8/17

Out: 111.643+/-0.025 χ^2/NDF:410356.7/22

All: 112.089+/-0.018 χ^2/NDF: 722087.3/40

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -723.951+/-566.921 χ^2/NDF:5.9/3

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 750.574+/-729.501 χ^2/NDF:2.1/1

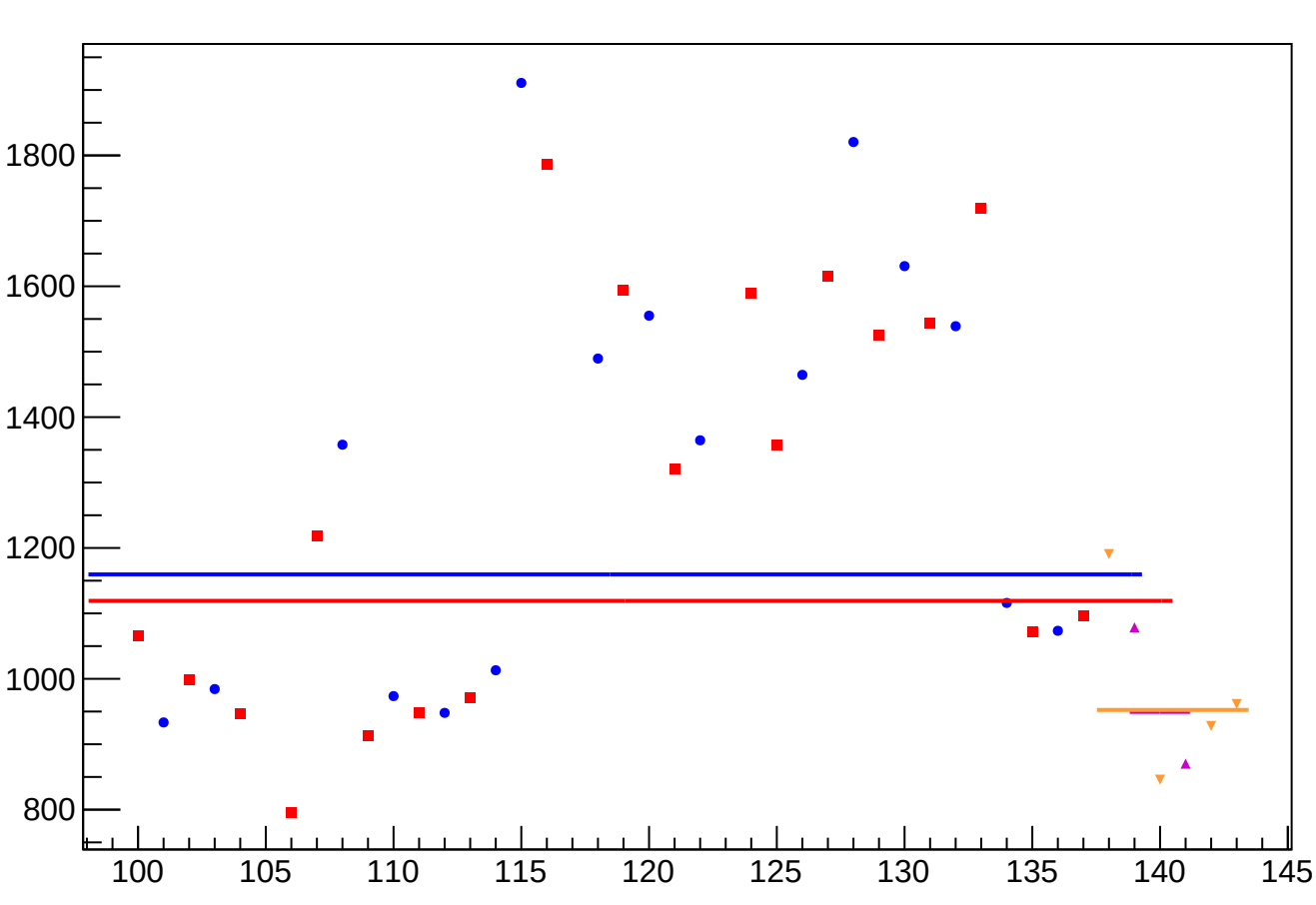
Left: -168.740+/-447.640 χ^2/NDF: 10.6/5

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 46.497+/-379.253 χ^2/NDF:23.8/17

Out: 435.879+/-339.426 χ^2/NDF:26.4/22

All: 262.700+/-252.923 χ^2/NDF: 50.8/40



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 952.431+/-0.401 χ^2/NDF:89339.5/3

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 949.483+/-0.516 χ^2/NDF:38431.6/1

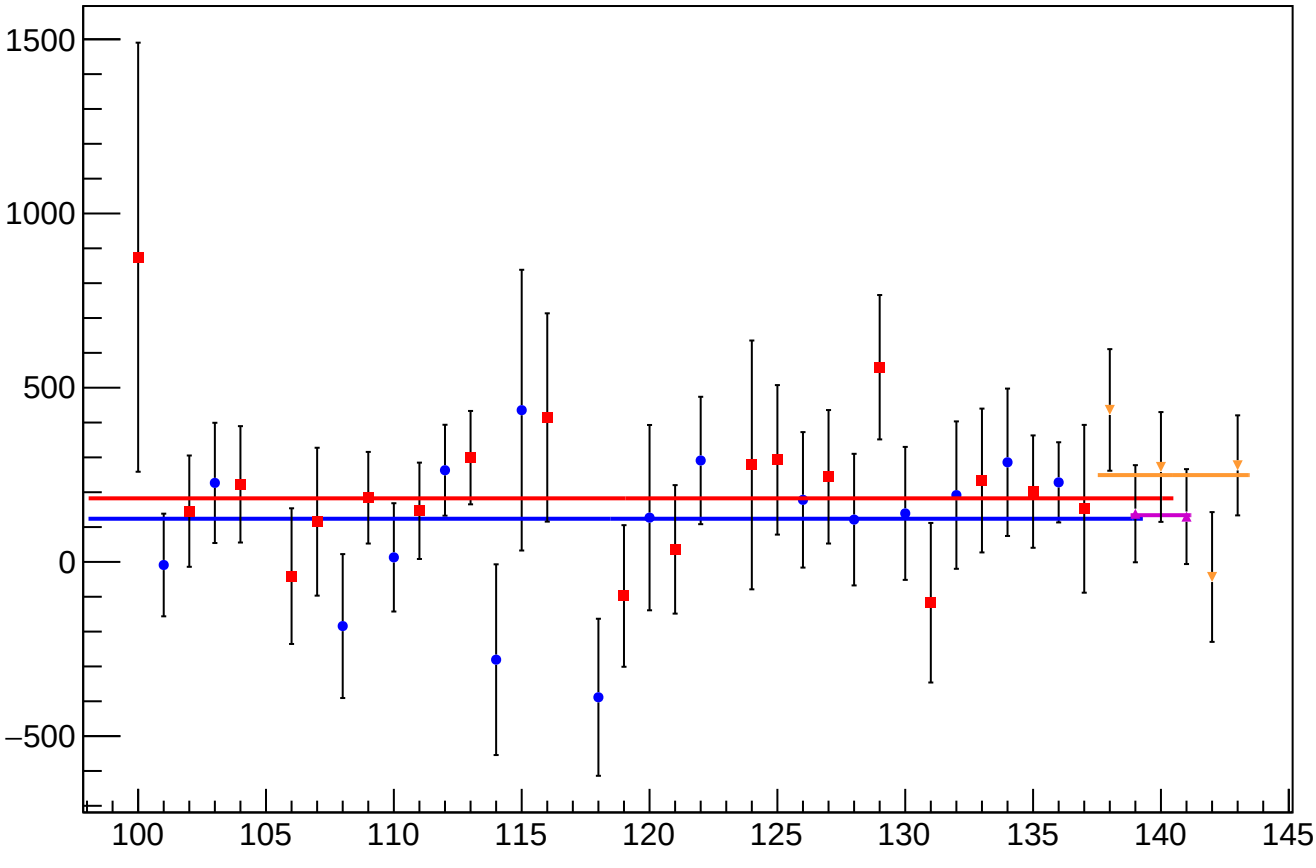
Left: 951.321+/-0.317 χ^2/NDF: 127791.4/5

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1102.793+/-0.268 χ^2/NDF:843143.4/17

Out: 1059.391+/-0.240 χ^2/NDF:1003463.6/22

All: 1078.694+/-0.179 χ^2/NDF: 1861151.1/40



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 249.179+/-81.526 χ^2/NDF:3.7/3

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 134.094+/-97.422 χ^2/NDF:0.0/1

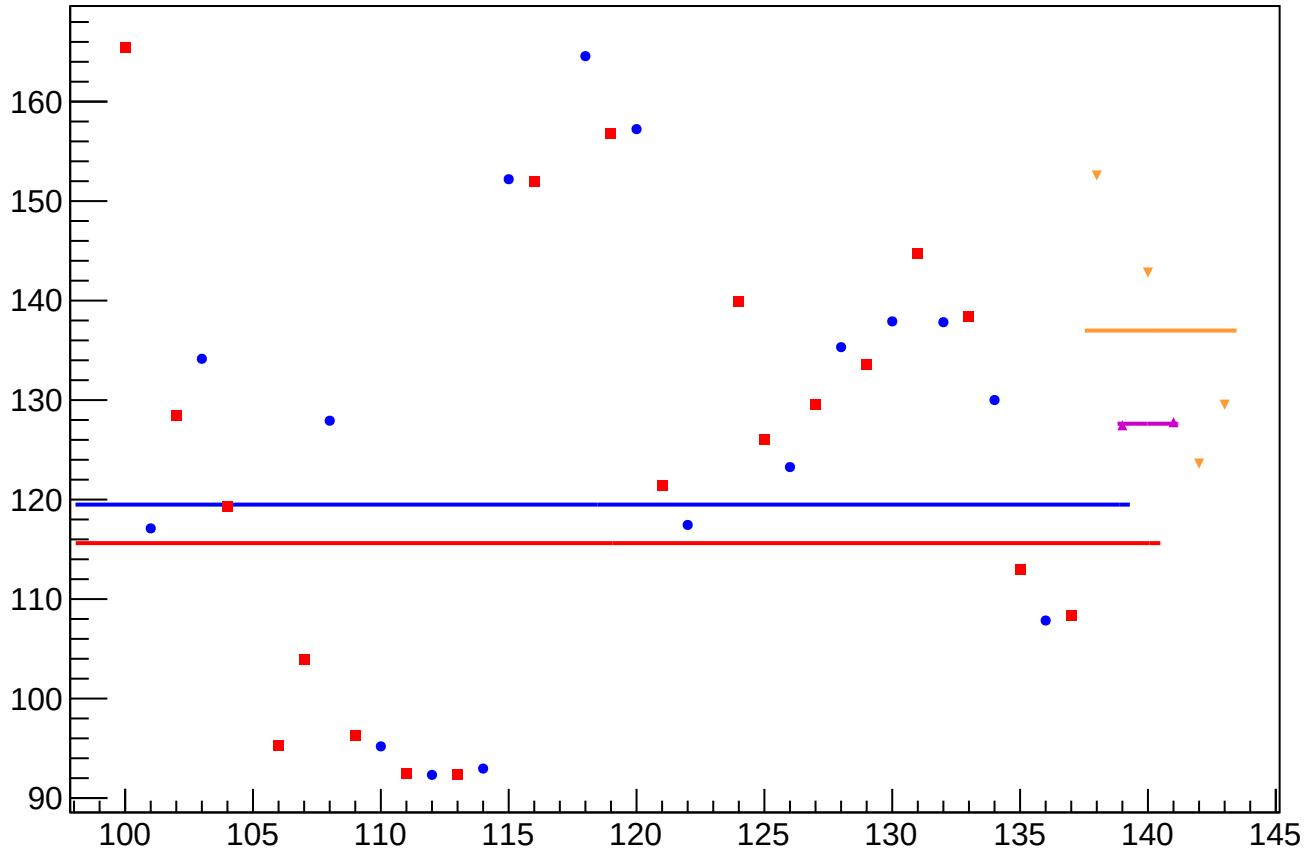
Left: 201.779+/-62.522 χ^2/NDF: 4.5/5

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 125.702+/-41.030 χ^2/NDF:15.4/17

Out: 197.105+/-38.189 χ^2/NDF:16.5/22

All: 163.961+/-27.954 χ^2/NDF: 33.6/40



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 136.988+/-0.058 χ^2/NDF:34379.5/3

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 127.626+/-0.069 χ^2/NDF:4.9/1

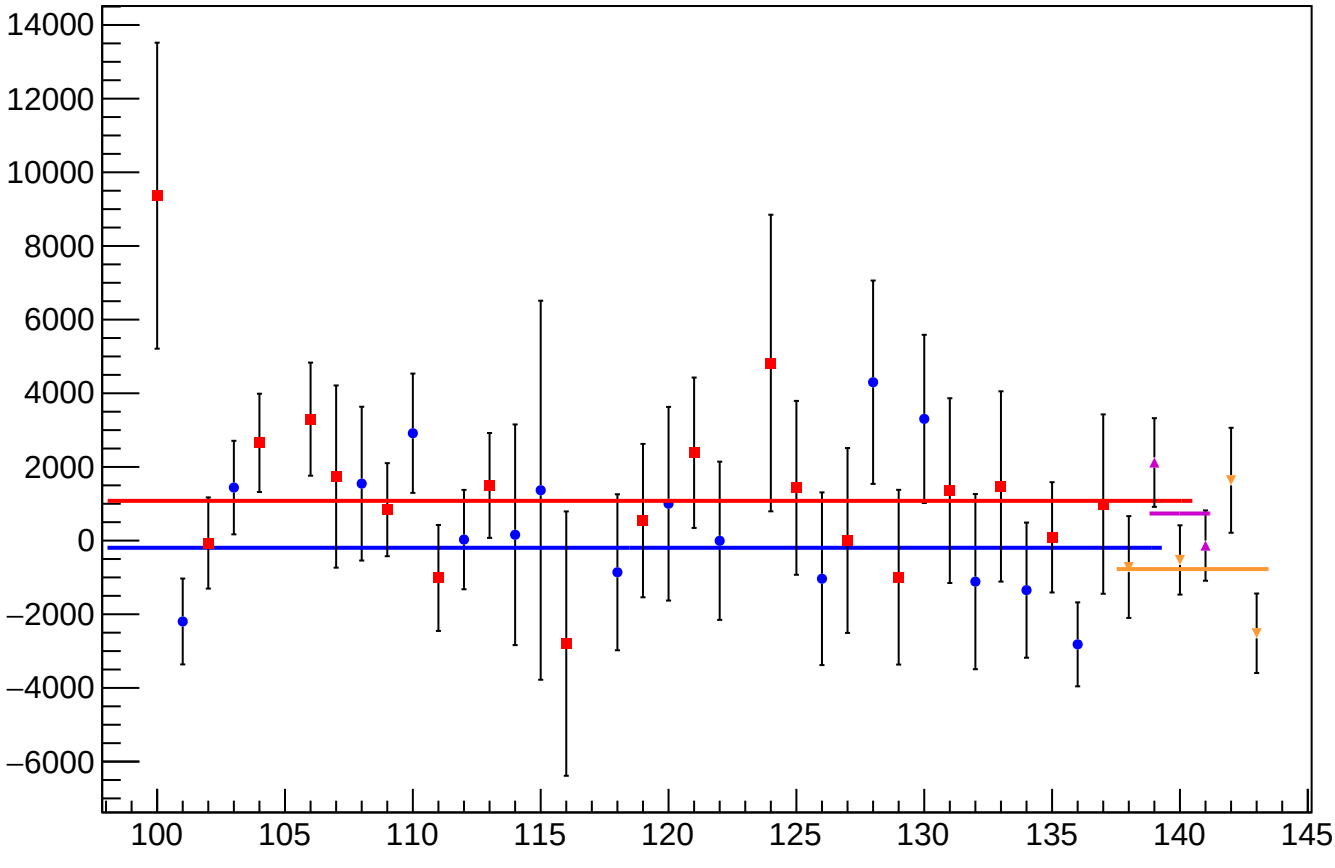
Left: 133.132+/-0.044 χ^2/NDF: 45247.9/5

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 120.937+/-0.029 χ^2/NDF:391716.5/17

Out: 120.310+/-0.027 χ^2/NDF:568569.4/22

All: 120.601+/-0.020 χ^2/NDF: 960536.1/40



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -773.297+/-576.931 χ^2/NDF:5.5/3

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 735.814+/-748.081 χ^2/NDF:2.2/1

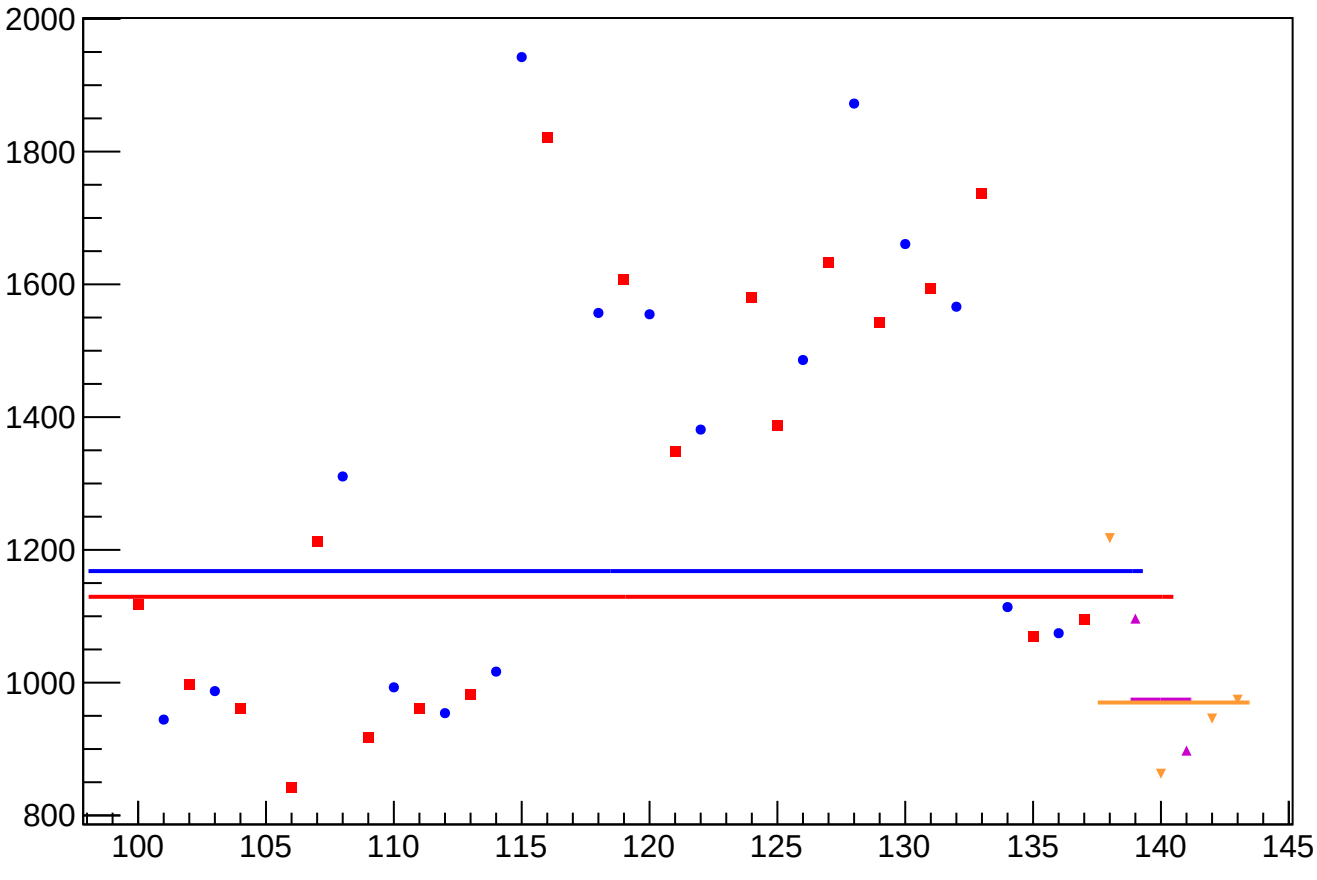
Left: -210.473+/-456.851 χ^2/NDF: 10.2/5

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 50.106+/-383.928 χ^2/NDF:23.7/17

Out: 425.783+/-342.674 χ^2/NDF:26.8/22

All: 259.205+/-255.653 χ^2/NDF: 51.0/40



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 970.075+/-0.408 χ^2/NDF:90839.5/3

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 974.437+/-0.529 χ^2/NDF:33503.2/1

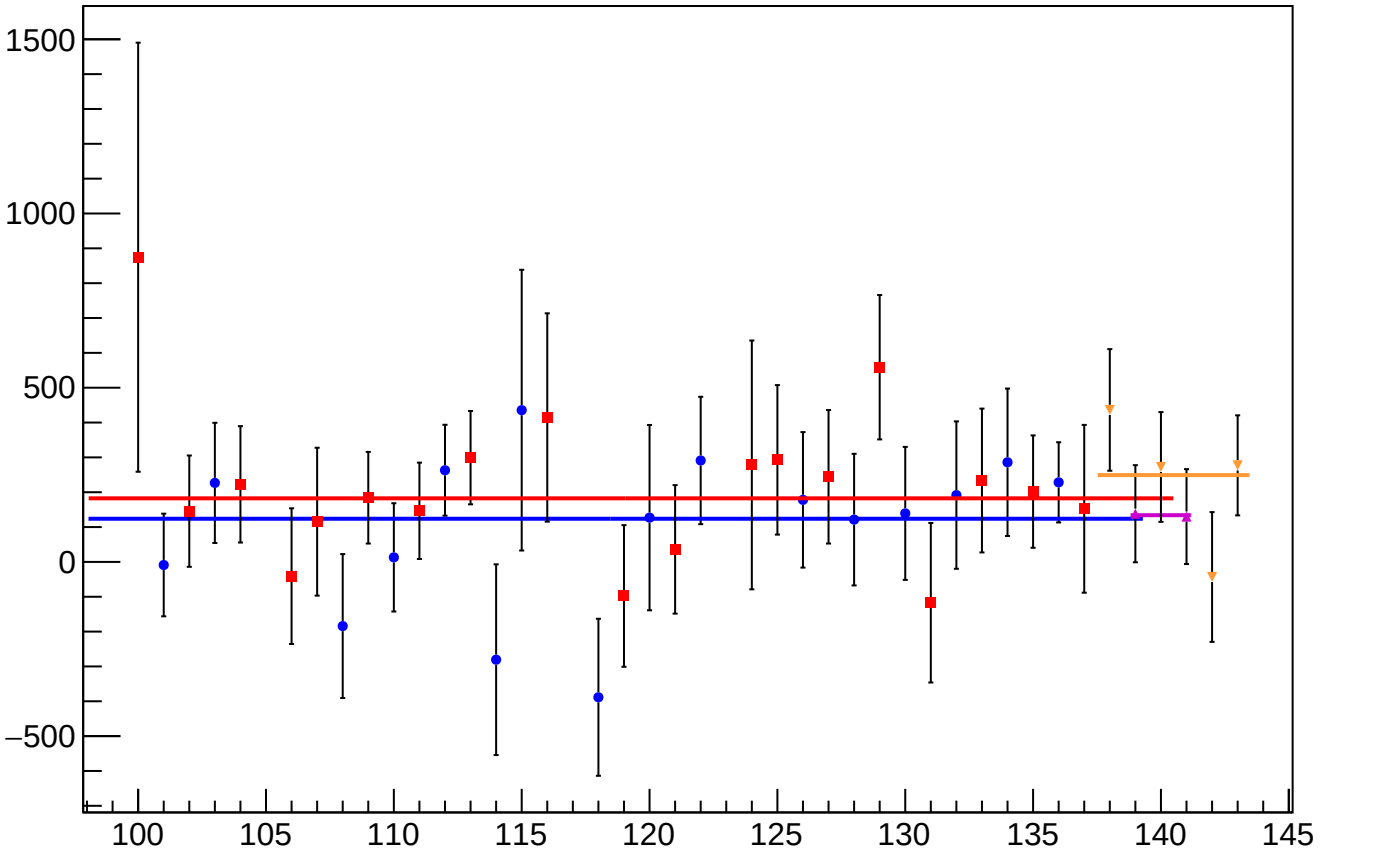
Left: 971.702+/-0.323 χ^2/NDF: 124385.4/5

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1117.063+/-0.271 χ^2/NDF:841561.5/17

Out: 1073.138+/-0.242 χ^2/NDF:996676.3/22

All: 1092.615+/-0.181 χ^2/NDF: 1852809.3/40



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 249.181+/-81.527 χ^2/NDF:3.7/3

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 134.093+/-97.421 χ^2/NDF:0.0/1

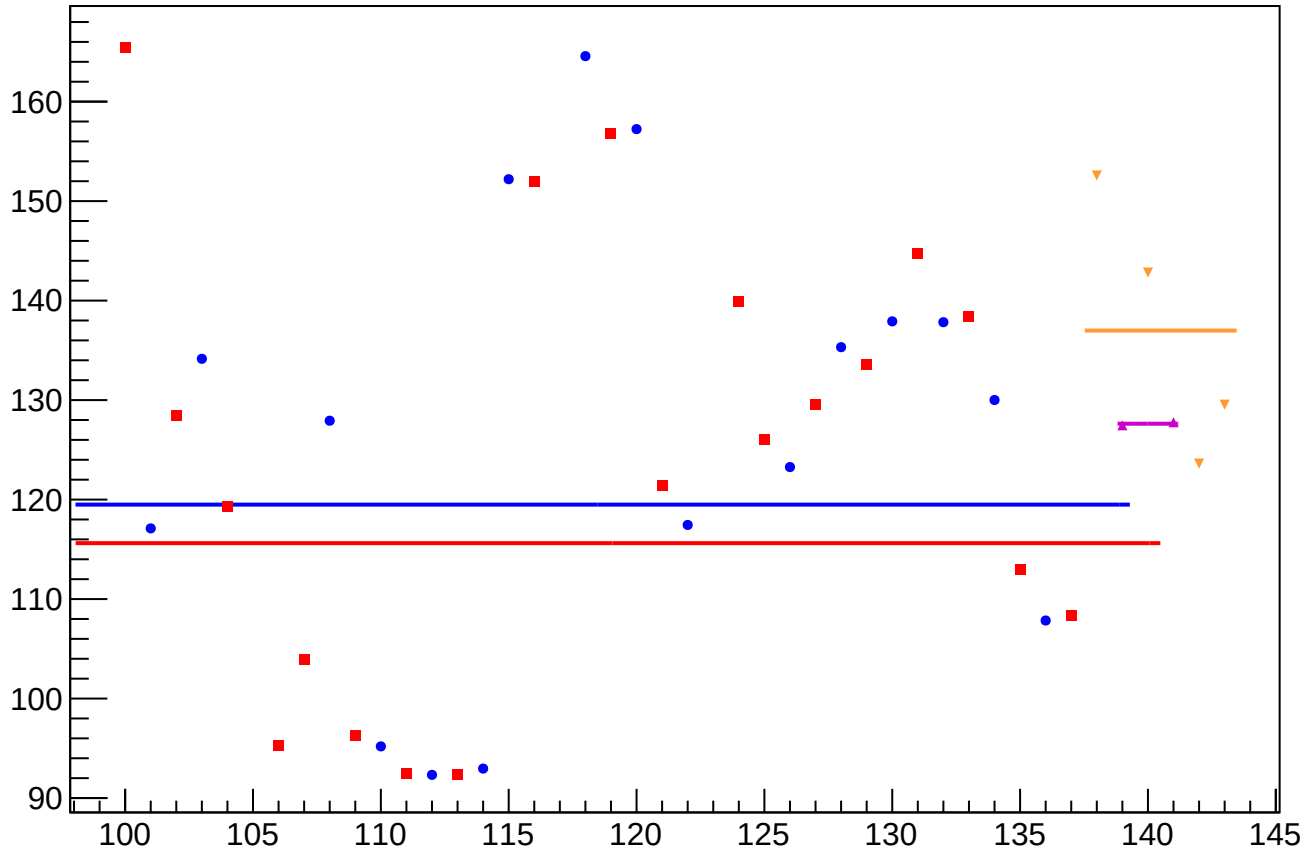
Left: 201.779+/-62.522 χ^2/NDF: 4.5/5

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 125.704+/-41.030 χ^2/NDF:15.4/17

Out: 197.106+/-38.189 χ^2/NDF:16.5/22

All: 163.962+/-27.954 χ^2/NDF: 33.6/40



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 136.988+/-0.058 χ^2/NDF:34378.6/3

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 127.626+/-0.069 χ^2/NDF:5.0/1

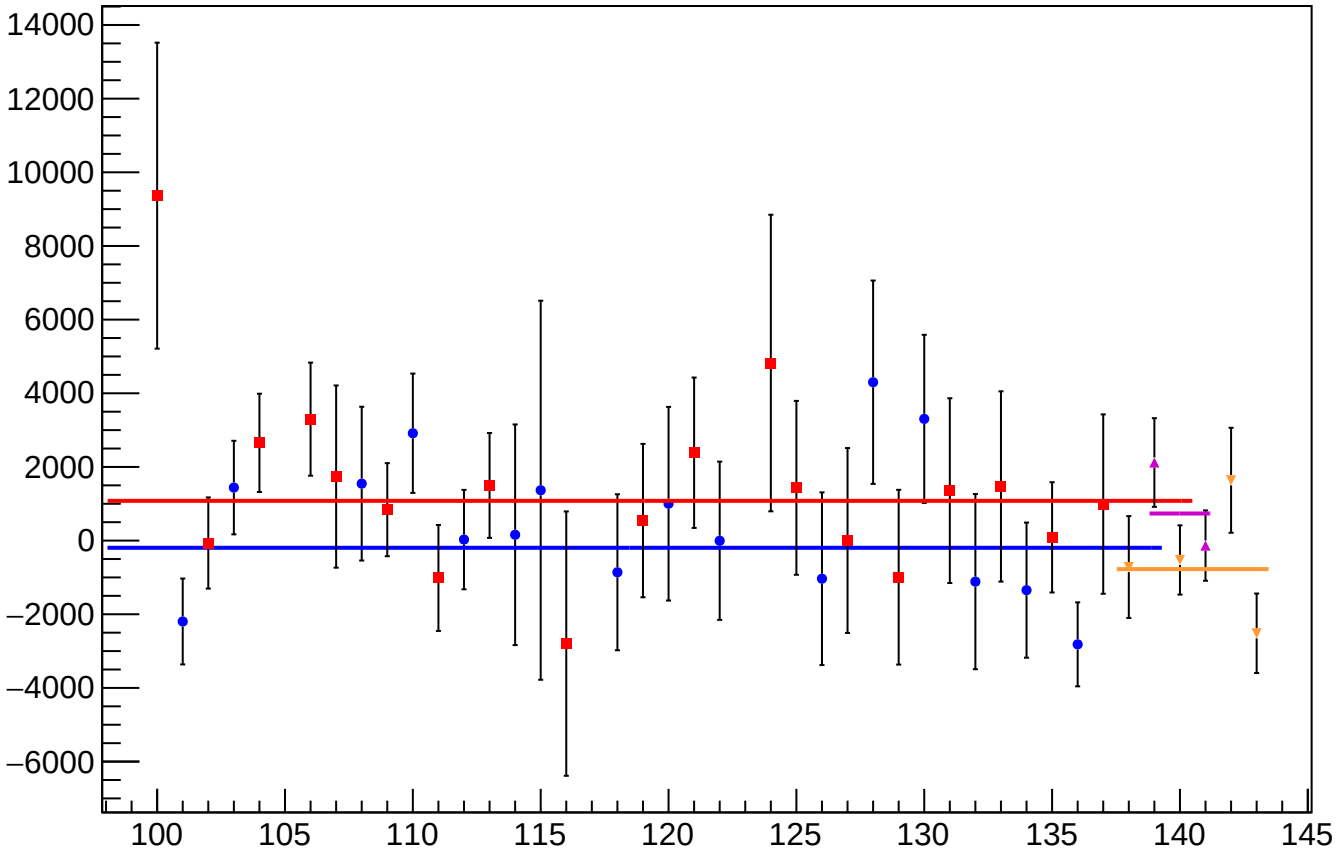
Left: 133.132+/-0.044 χ^2/NDF: 45247.4/5

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 120.937+/-0.029 χ^2/NDF:391719.6/17

Out: 120.310+/-0.027 χ^2/NDF:568573.9/22

All: 120.601+/-0.020 χ^2/NDF: 960543.7/40



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -773.297+/-576.930 χ^2/NDF:5.5/3

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 735.814+/-748.080 χ^2/NDF:2.2/1

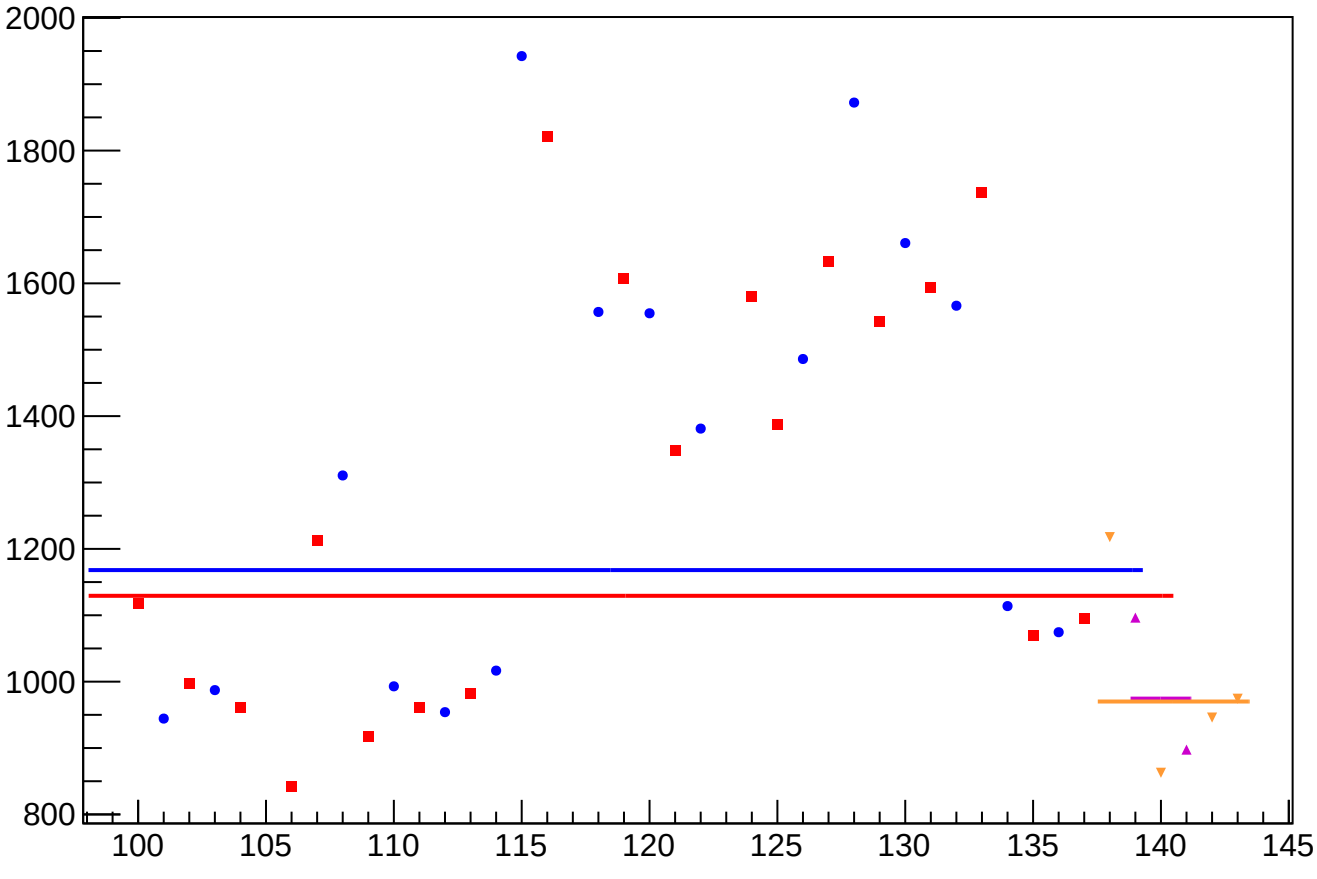
Left: -210.473+/-456.850 χ^2/NDF: 10.2/5

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 50.106+/-383.928 χ^2/NDF:23.7/17

Out: 425.783+/-342.674 χ^2/NDF:26.8/22

All: 259.206+/-255.653 χ^2/NDF: 51.0/40



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 970.074+/-0.408 χ^2/NDF:90839.5/3

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 974.436+/-0.529 χ^2/NDF:33503.9/1

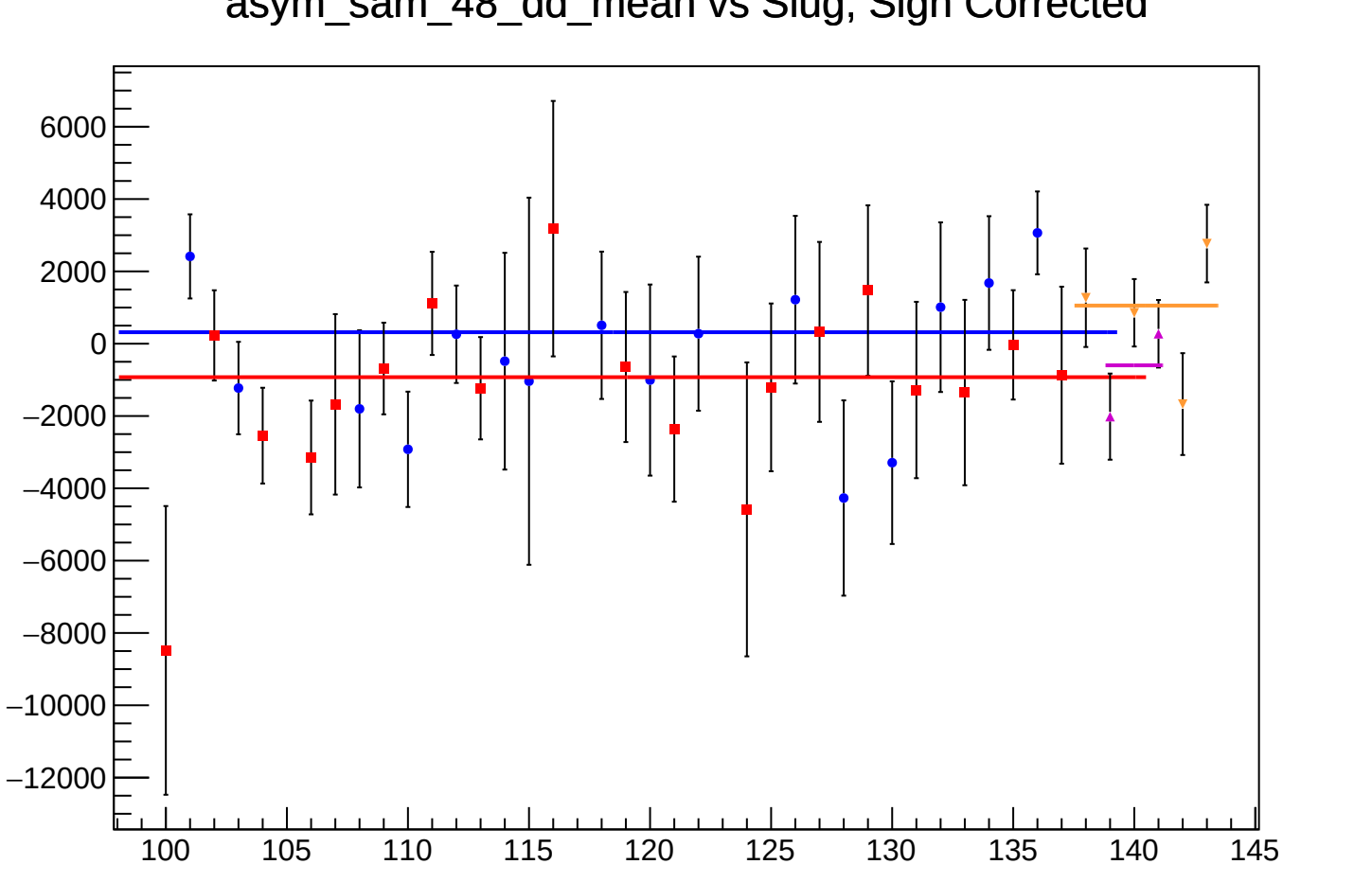
Left: 971.701+/-0.323 χ^2/NDF: 124386.1/5

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1117.063+/-0.271 χ^2/NDF:841565.5/17

Out: 1073.137+/-0.242 χ^2/NDF:996678.5/22

All: 1092.614+/-0.181 χ^2/NDF: 1852815.5/40



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1054.467+/-571.534 χ^2/NDF:6.4/3

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: 431.728+/-451.203 χ^2/NDF: 11.8/5

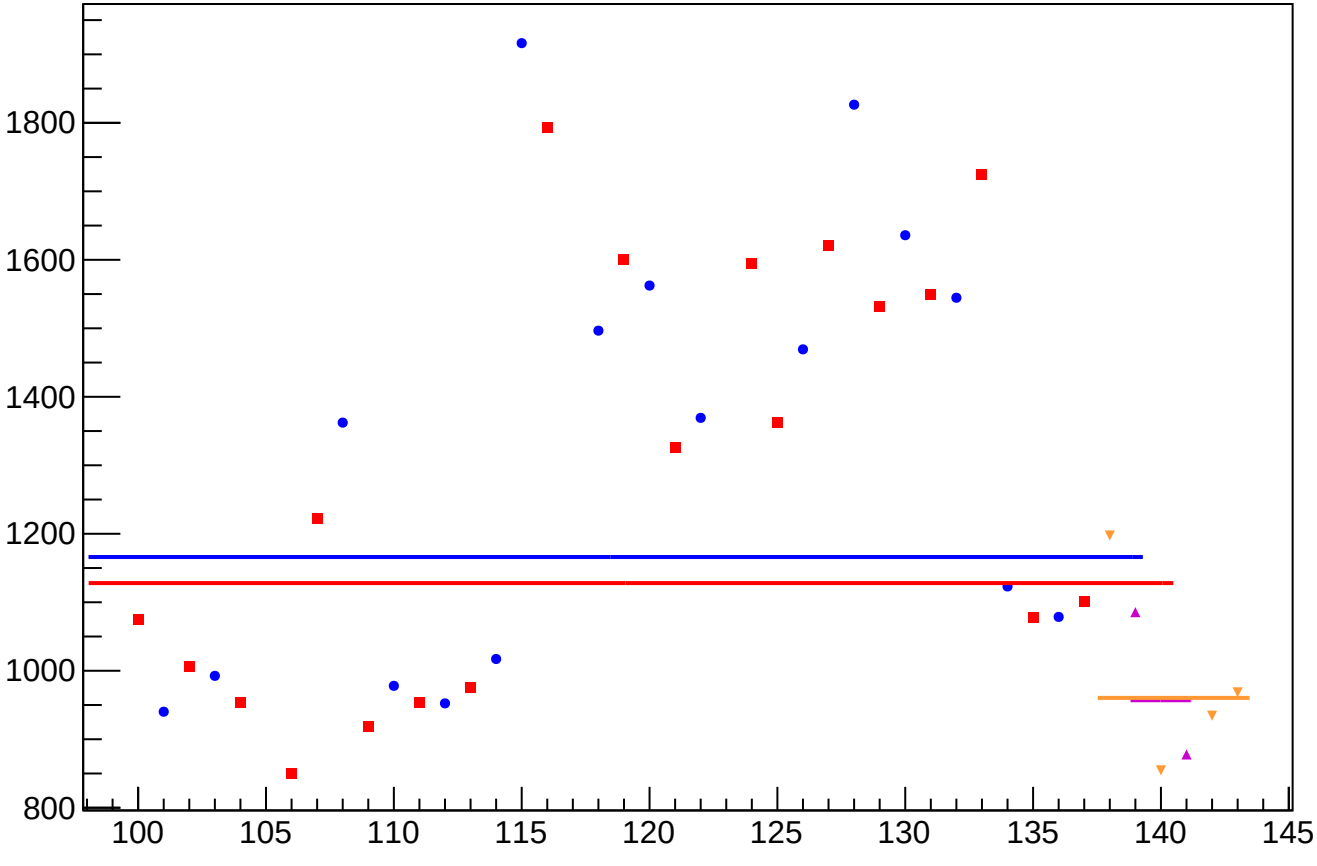
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 70.676+/-381.519 χ^2/NDF:25.6/17

Out: -219.976+/-341.252 χ^2/NDF:28.6/22

All: -90.793+/-254.350 χ^2/NDF: 54.5/40

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 960.377+/-0.404 χ^2/NDF:87172.9/3

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 956.953+/-0.520 χ^2/NDF:37682.9/1

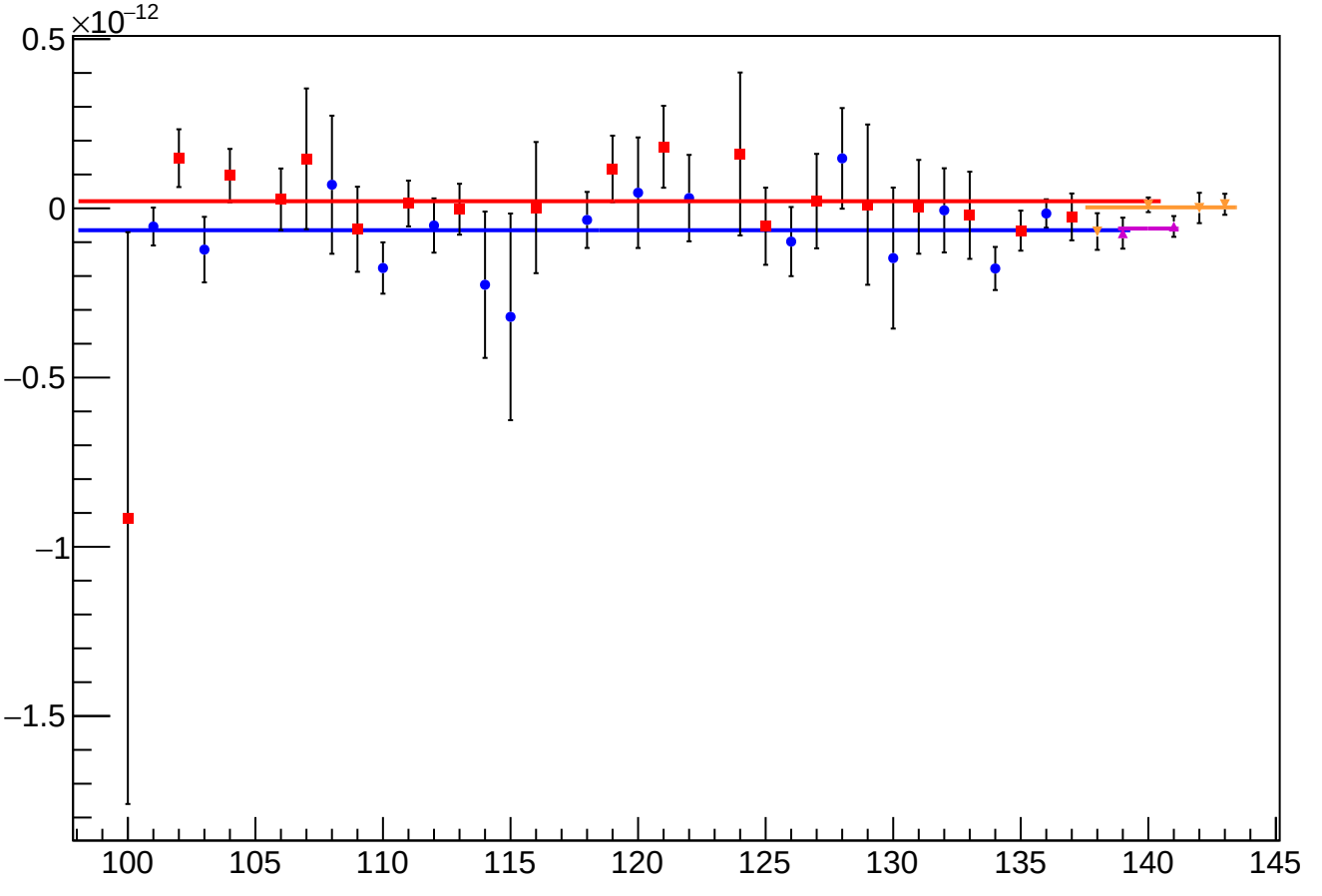
Left: 959.087+/-0.319 χ^2/NDF: 124882.9/5

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1109.731+/-0.270 χ^2/NDF:832986.0/17

Out: 1068.245+/-0.241 χ^2/NDF:973651.5/22

All: 1086.684+/-0.180 χ^2/NDF: 1819774.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

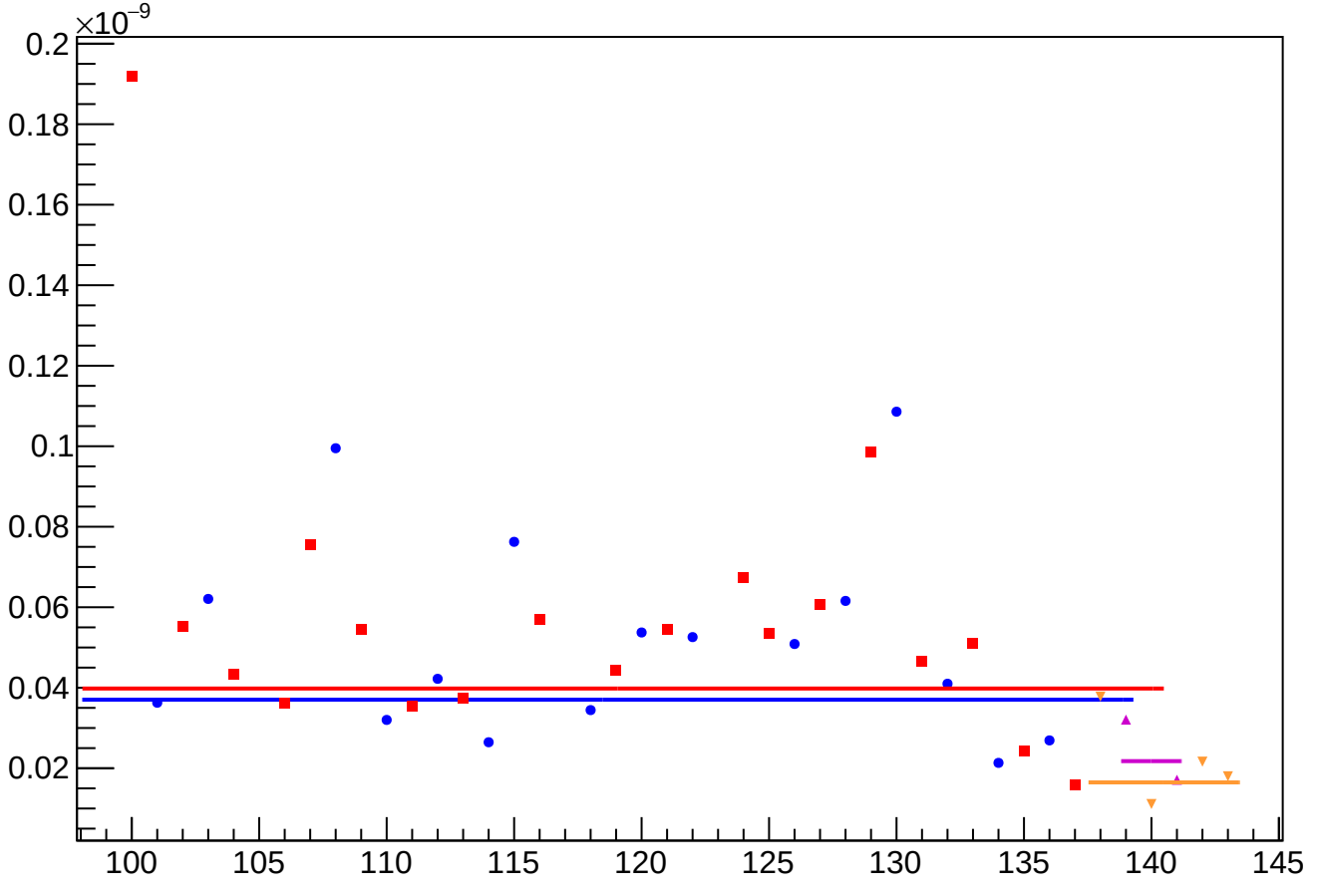
Left: -0.000+/-0.000 χ^2/NDF: 6.4/5

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:12.6/17

Out: 0.000+/-0.000 χ^2/NDF:13.9/22

All: -0.000+/-0.000 χ^2/NDF: 37.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:464415.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:146898.7/1

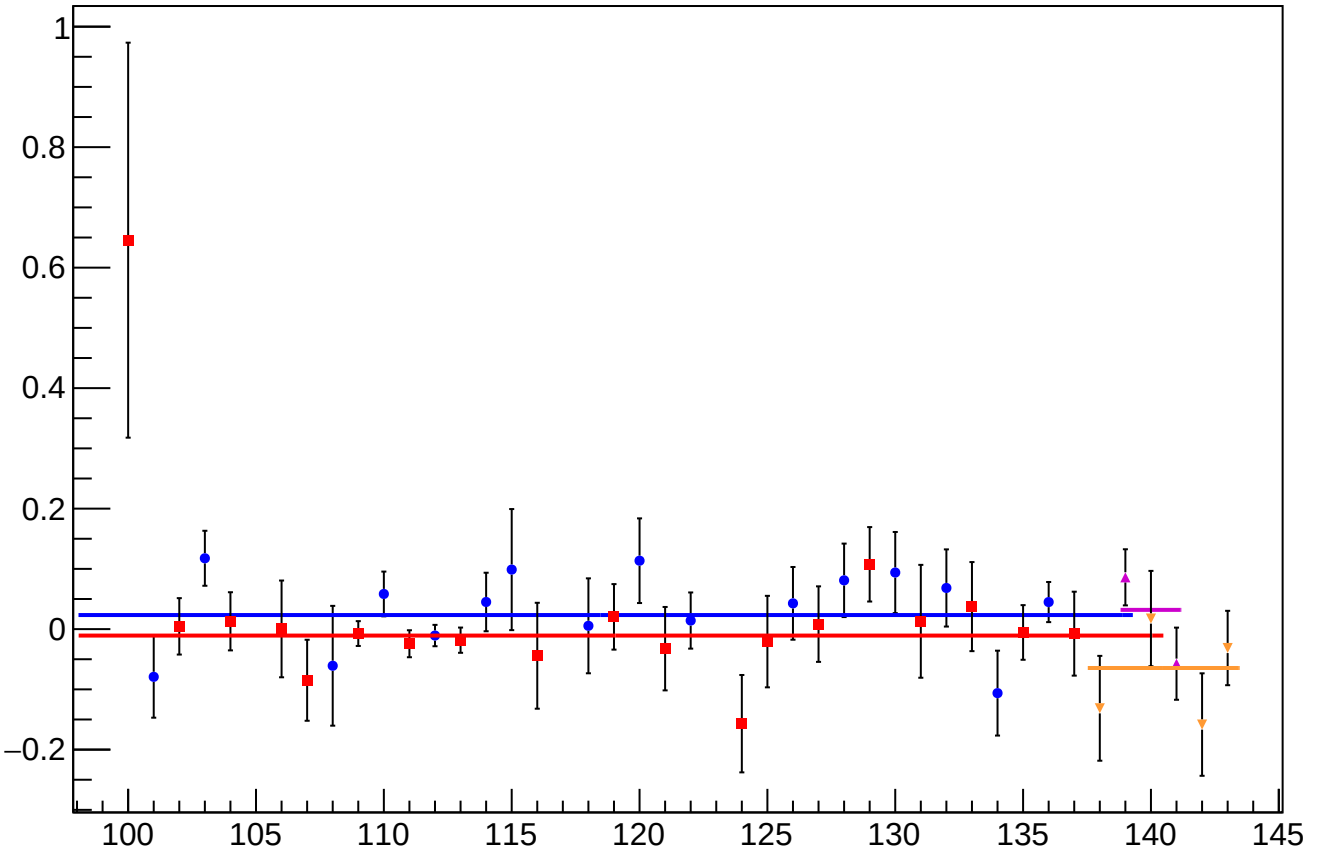
Left: 0.000+/-0.000 χ^2/NDF: 673360.7/5

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:2755323.8/22

All: 0.000+/-0.000 χ^2/NDF: 4509892.3/40



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

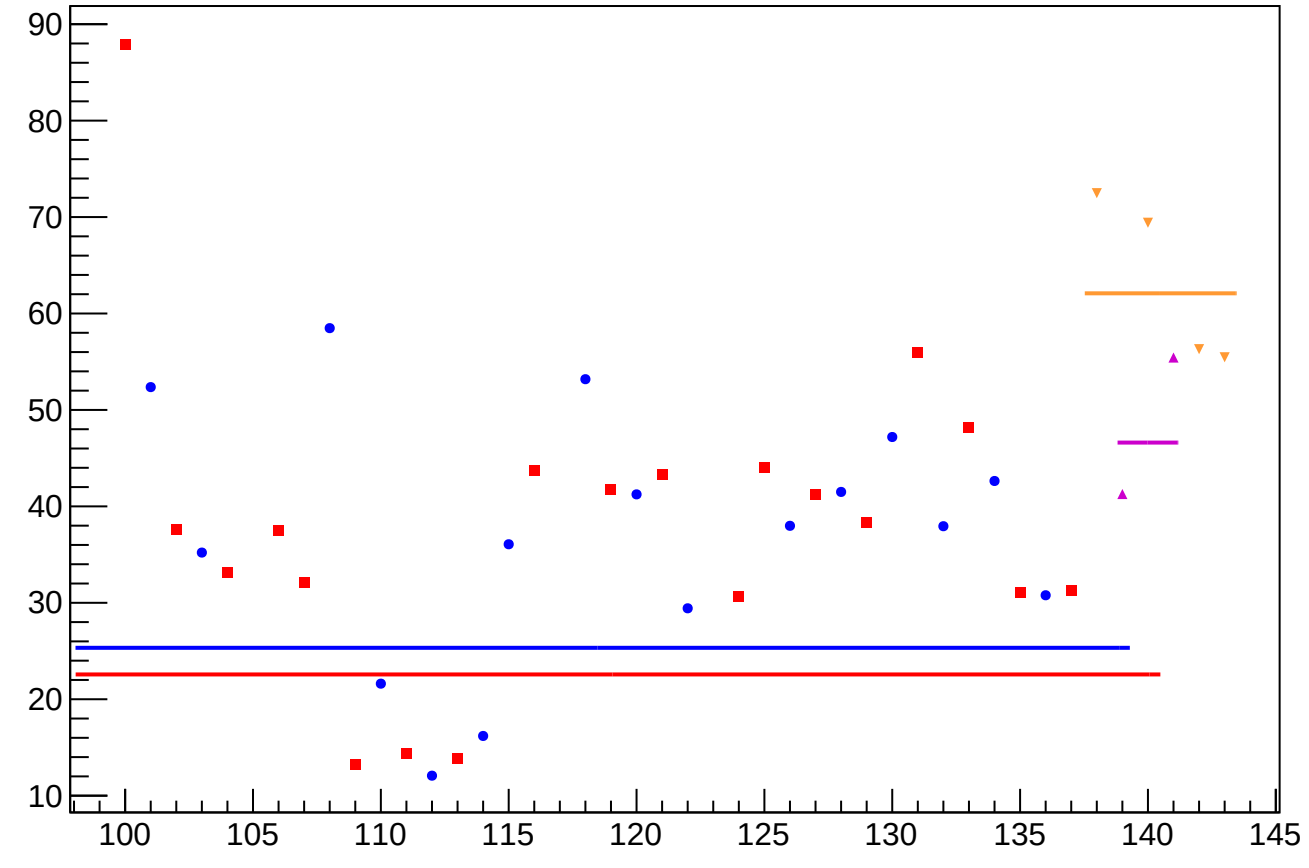
Left: -0.015+/-0.026 χ^2/NDF: 10.1/5

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.003+/-0.007 χ^2/NDF: 50.8/40



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 62.092+/-0.027 χ^2/NDF:77961.4/3

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: 54.097+/-0.019 χ^2/NDF: 318953.0/5

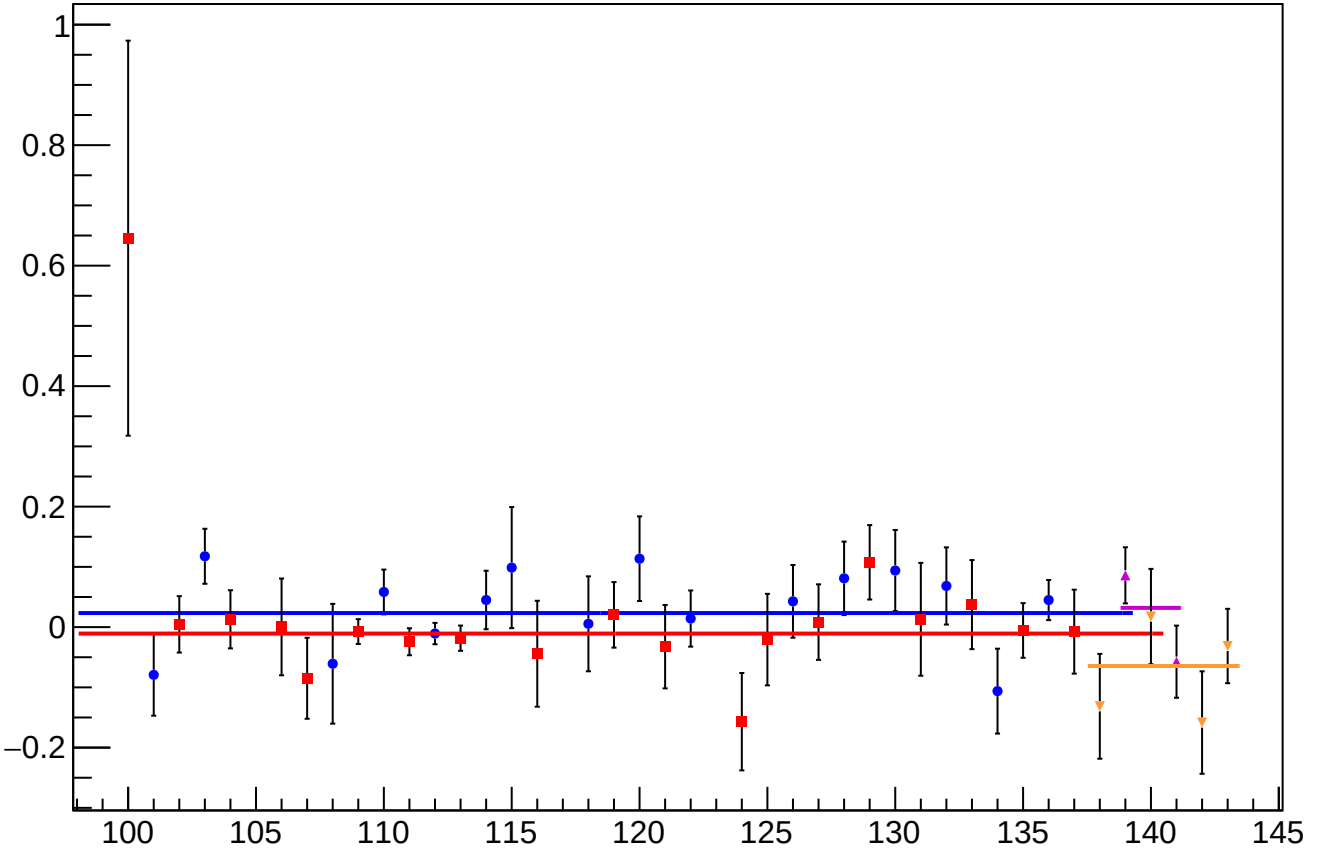
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 27.103+/-0.007 χ^2/NDF:3609263.2/17

Out: 25.037+/-0.007 χ^2/NDF:5246232.3/22

All: 25.956+/-0.005 χ^2/NDF: 8897661.2/40

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

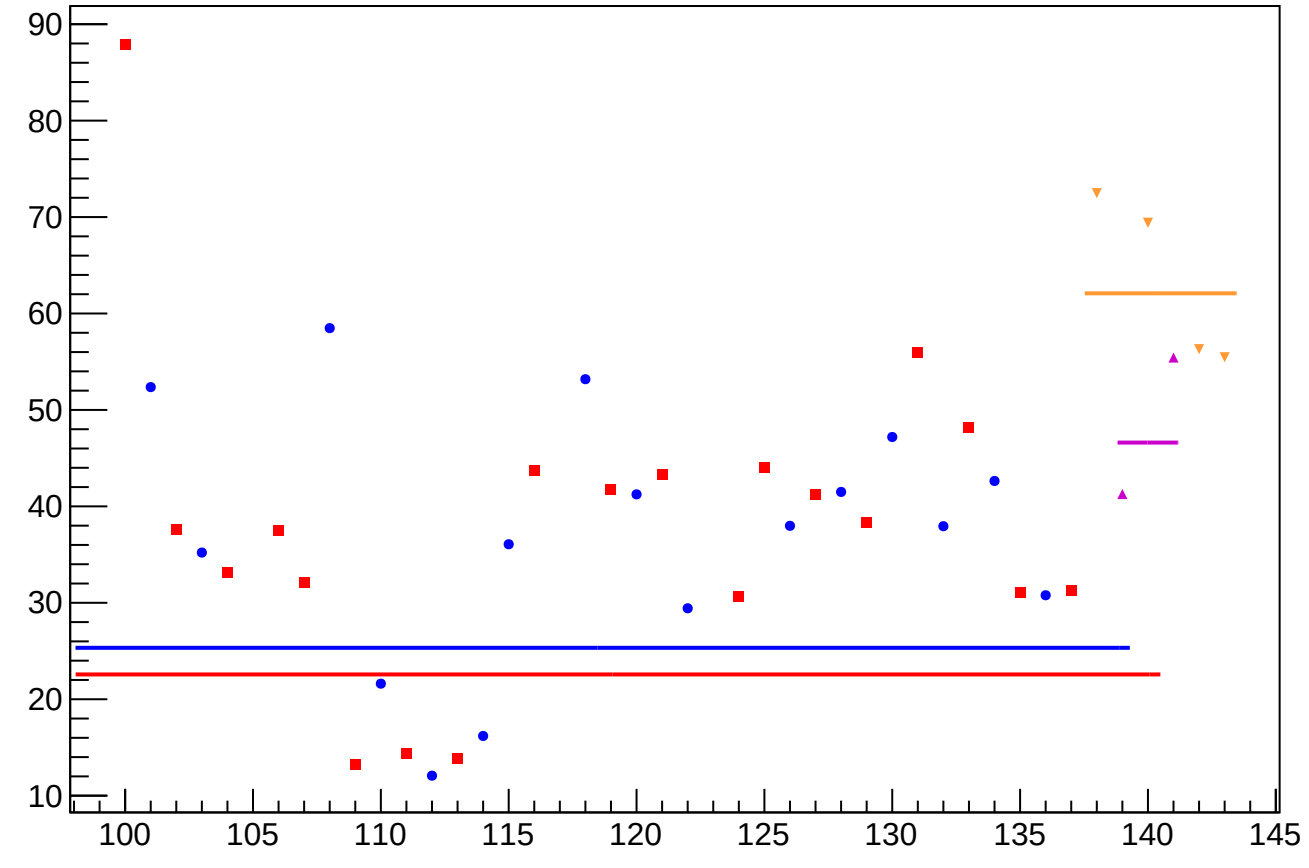
Left: -0.015+/-0.026 χ^2/NDF: 10.1/5

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.003+/-0.007 χ^2/NDF: 50.8/40



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 62.092+/-0.027 χ^2/NDF:77961.4/3

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.615+/-0.026 χ^2/NDF:69603.5/1

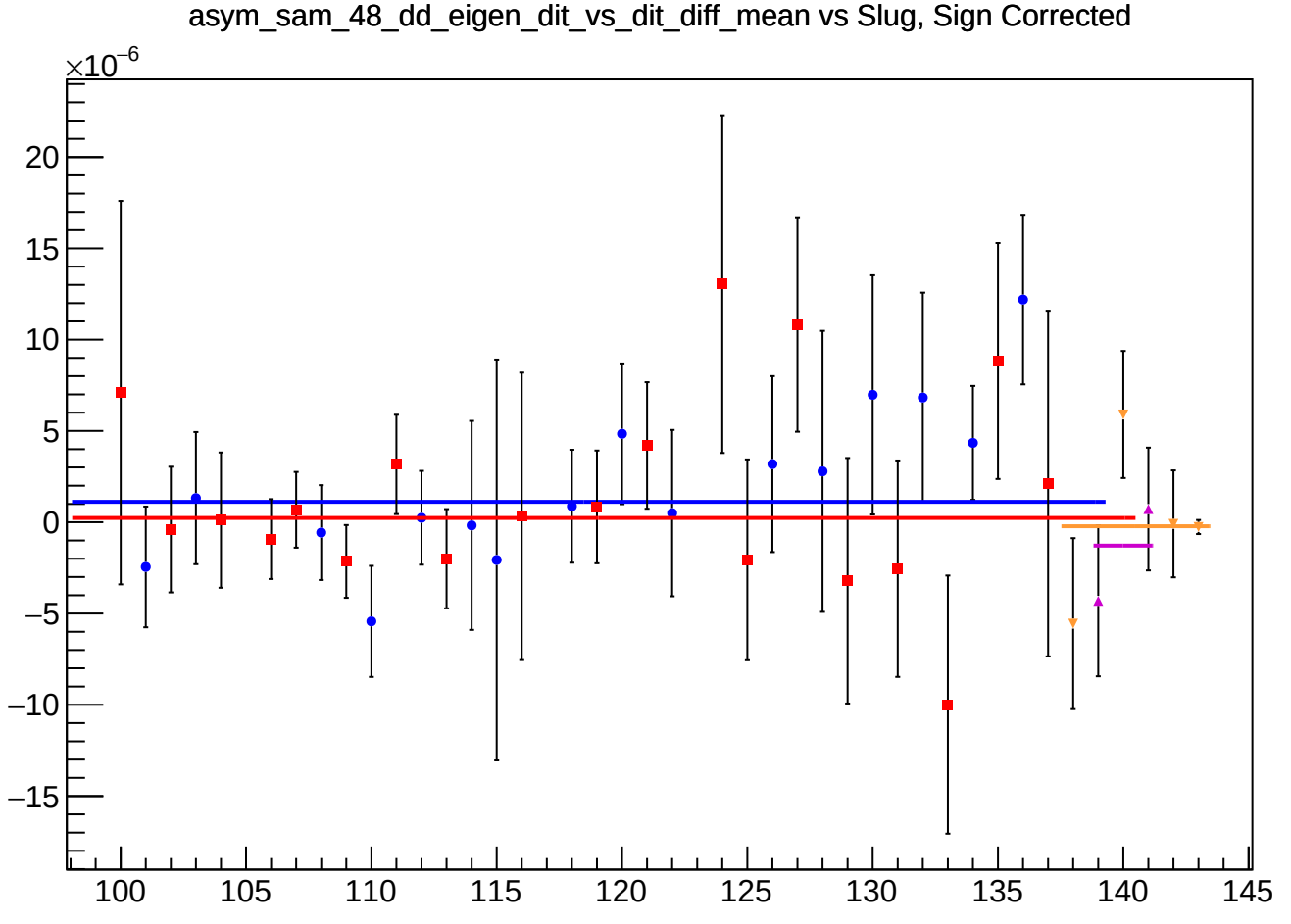
Left: 54.097+/-0.019 χ^2/NDF: 318953.0/5

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 27.103+/-0.007 χ^2/NDF:3609263.2/17

Out: 25.037+/-0.007 χ^2/NDF:5246232.3/22

All: 25.956+/-0.005 χ^2/NDF: 8897661.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

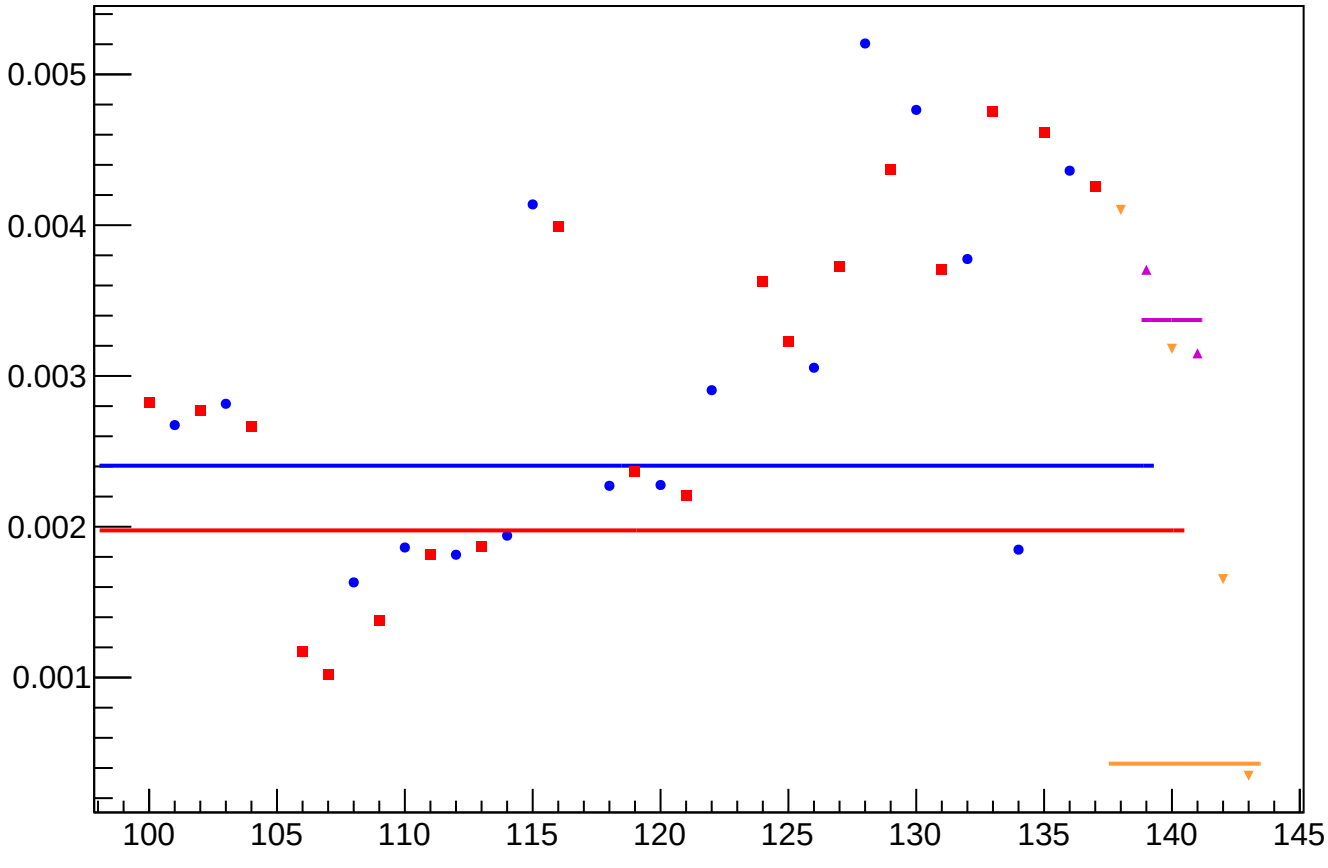
Left: -0.000+/-0.000 χ^2/NDF: 5.5/5

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:19.8/22

All: -0.000+/-0.000 χ^2/NDF: 38.7/40



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2916717.5/3

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.003+/-0.000 χ^2/NDF:21644.2/1

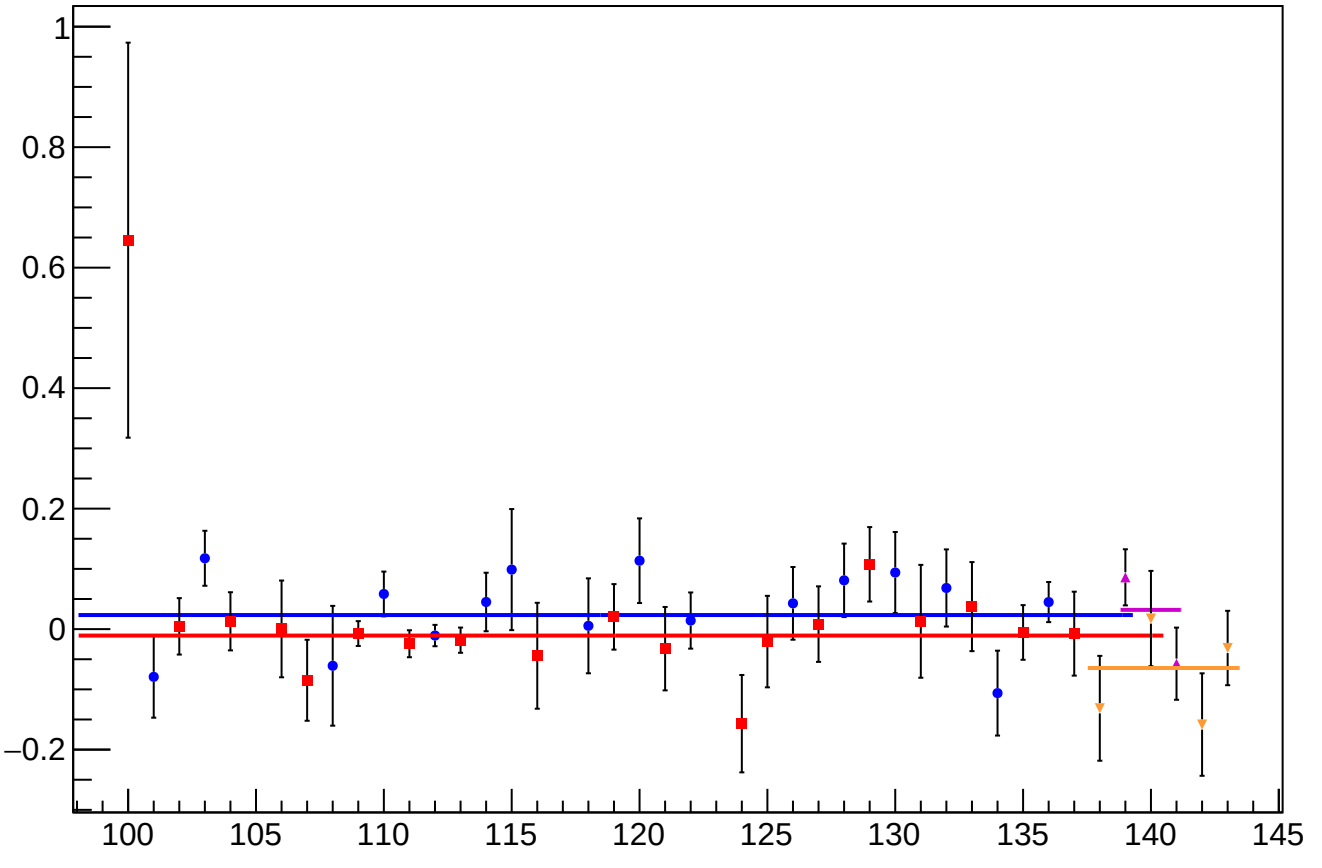
Left: 0.000+/-0.000 χ^2/NDF: 5430639.7/5

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.003+/-0.000 χ^2/NDF:1835578.1/17

Out: 0.001+/-0.000 χ^2/NDF:11644668.3/22

All: 0.001+/-0.000 χ^2/NDF: 20617472.8/40



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

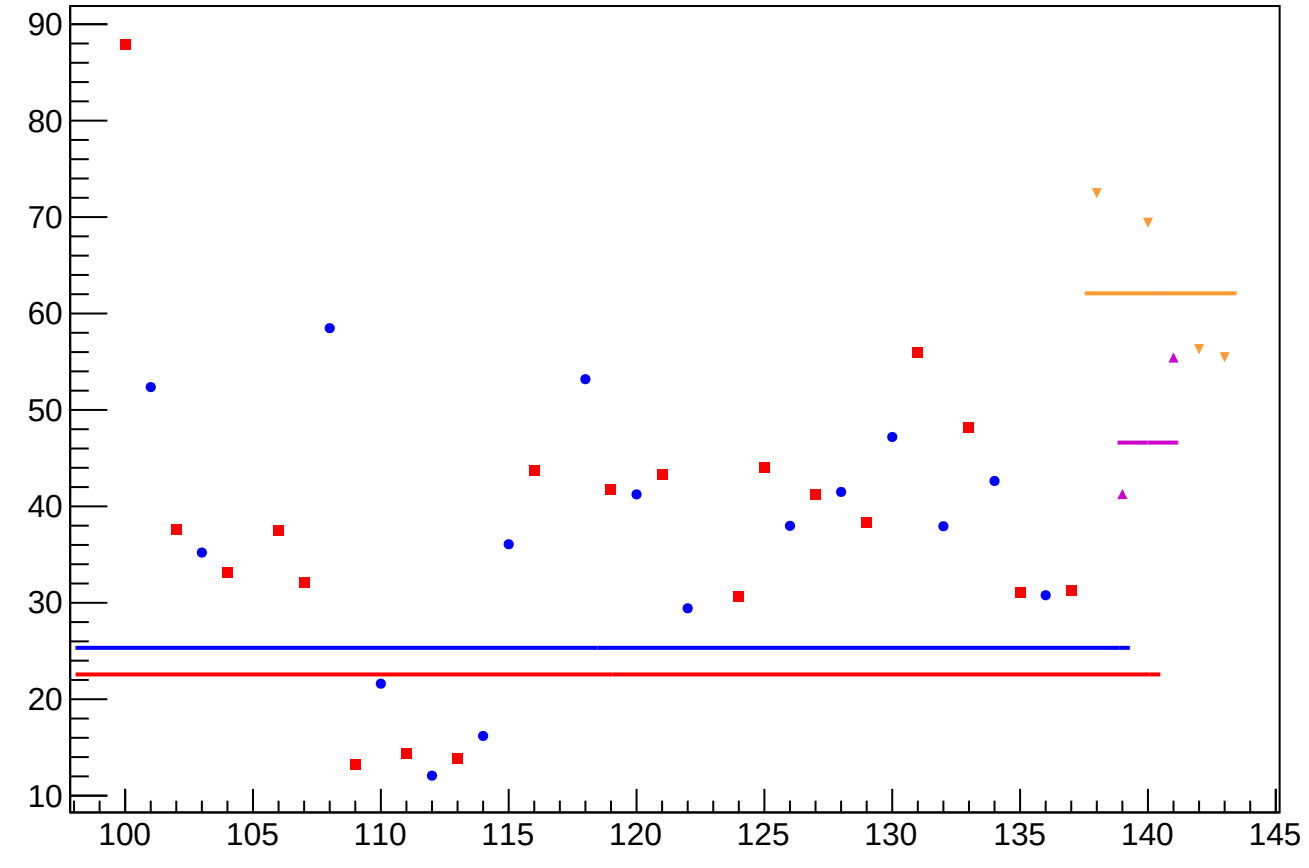
Left: -0.015+/-0.026 χ^2/NDF: 10.1/5

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.003+/-0.007 χ^2/NDF: 50.8/40



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 62.092+/-0.027 χ^2/NDF:77957.6/3

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: 54.097+/-0.019 χ^2/NDF: 318972.7/5

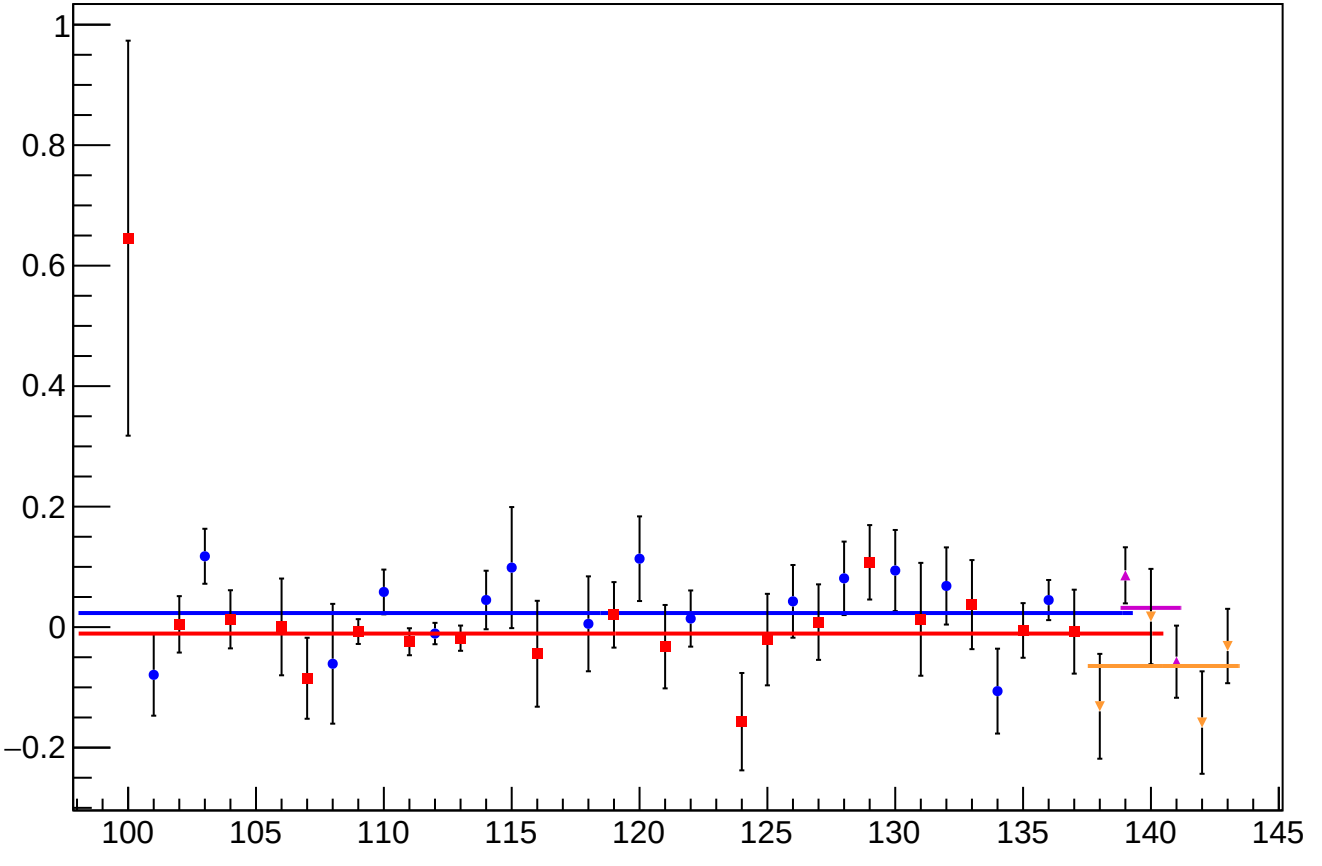
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 27.101+/-0.007 χ^2/NDF:3609759.7/17

Out: 25.037+/-0.007 χ^2/NDF:5246415.6/22

All: 25.956+/-0.005 χ^2/NDF: 8898302.5/40

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: -0.065+/-0.038 χ^2/NDF:3.2/3

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.032+/-0.037 χ^2/NDF:3.6/1

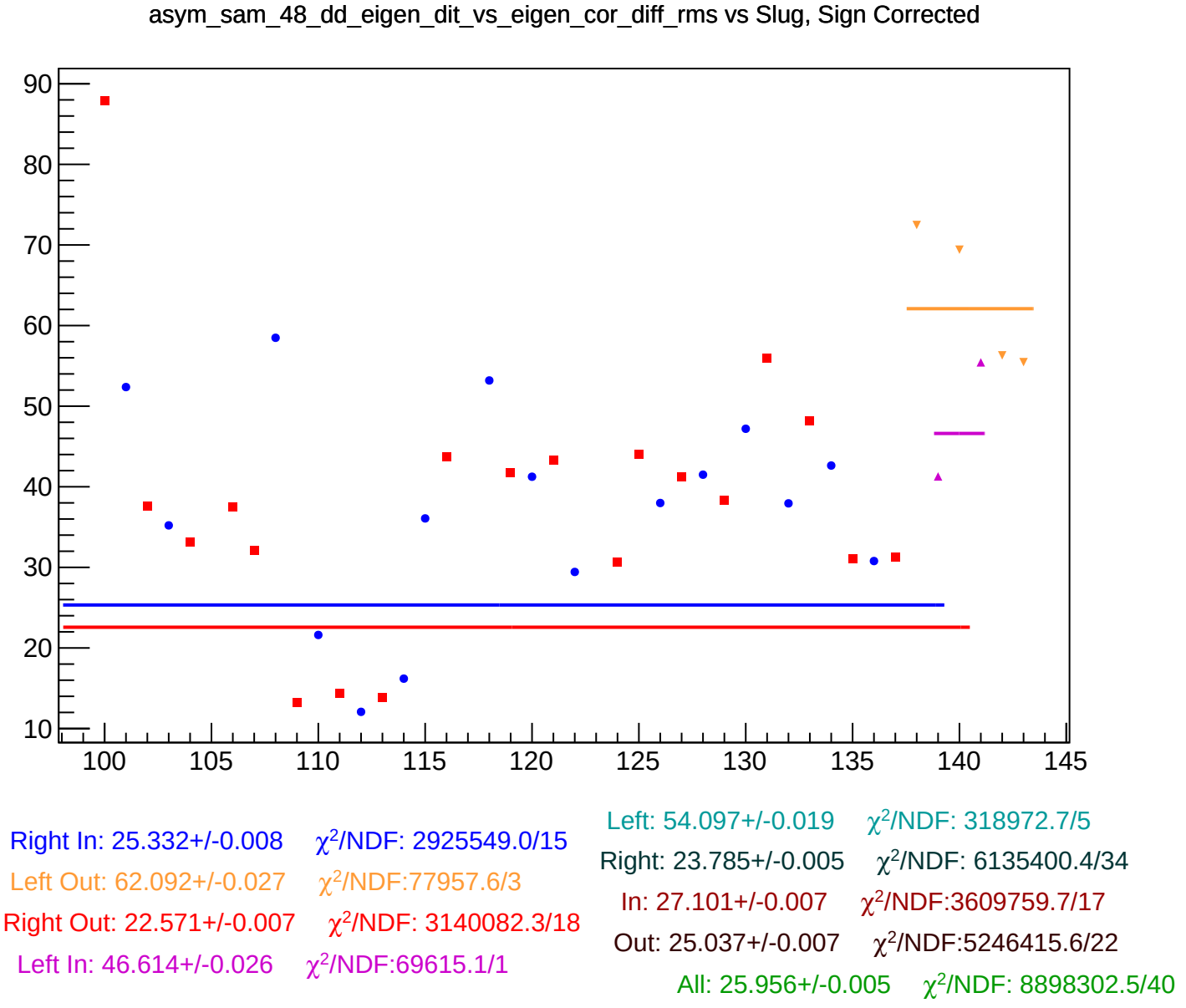
Left: -0.015+/-0.026 χ^2/NDF: 10.1/5

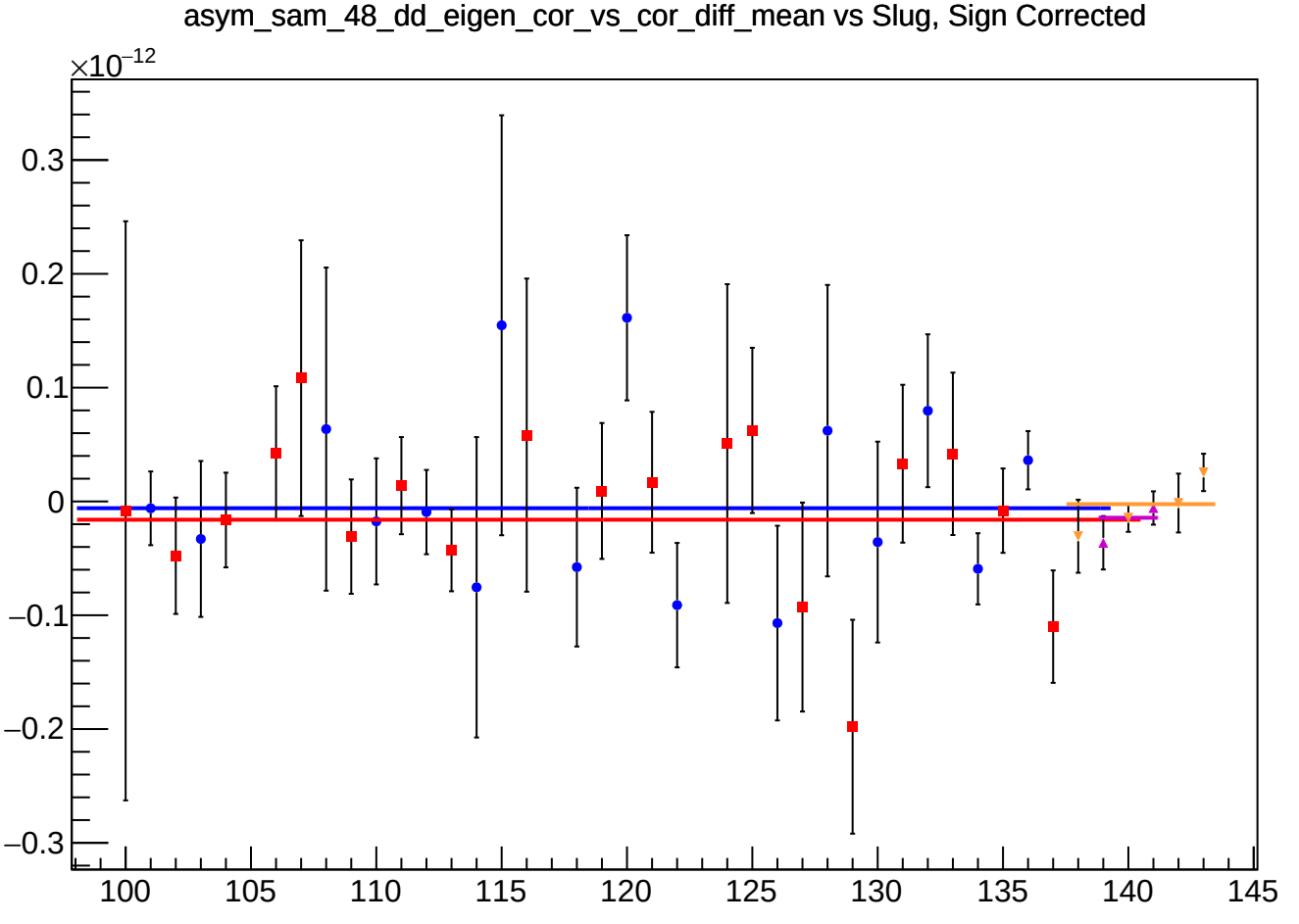
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

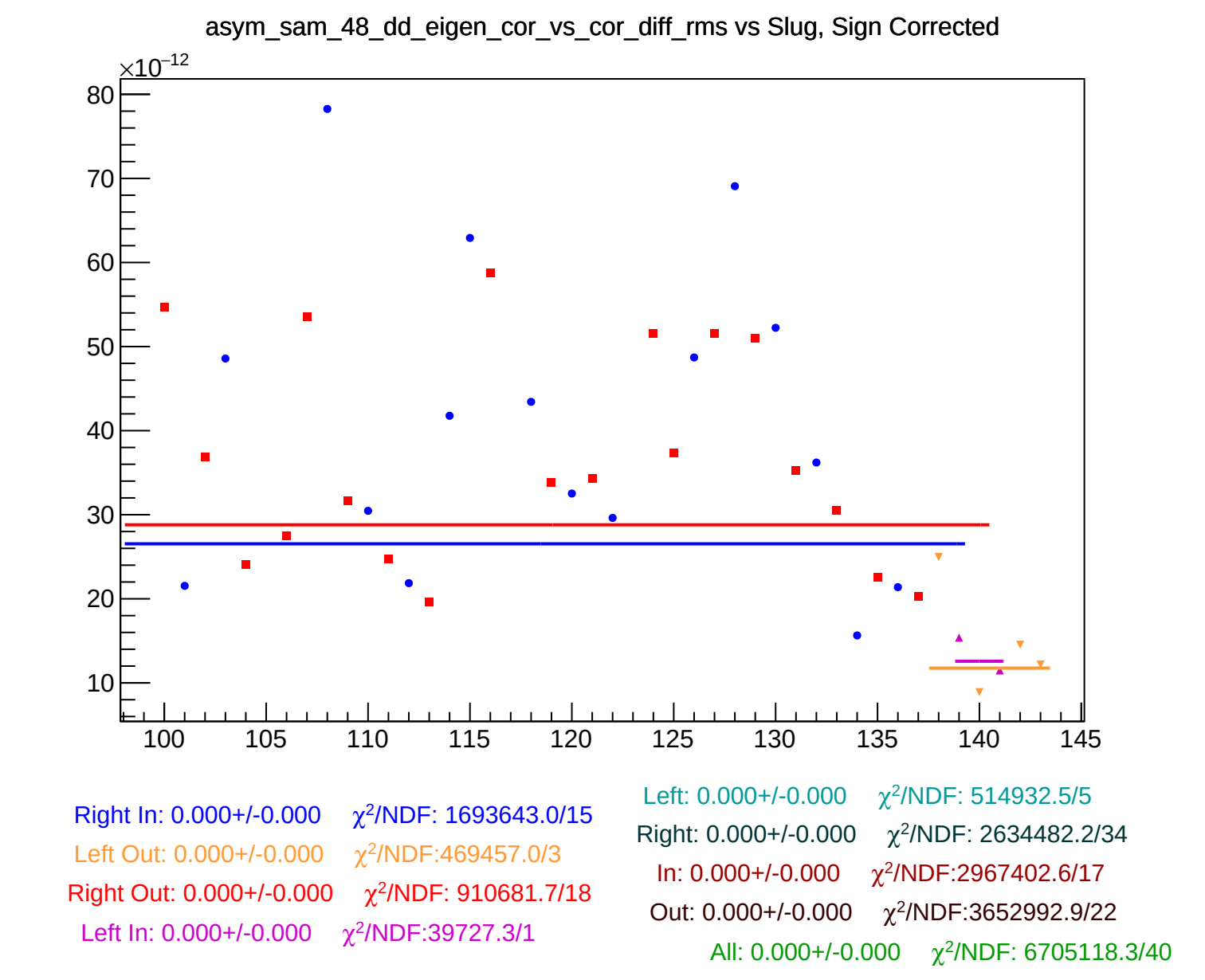
In: 0.024+/-0.011 χ^2/NDF:24.4/17

Out: -0.014+/-0.009 χ^2/NDF:19.3/22

All: 0.003+/-0.007 χ^2/NDF: 50.8/40


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
105
110
115
120
125
130
135
140
145
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 62.092+/-0.027 χ²/NDF:77957.6/3
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 46.614+/-0.026 χ²/NDF:69615.1/1
Left: 54.097+/-0.019 χ²/NDF: 318972.7/5
Right: 23.785+/-0.005 χ²/NDF: 6135400.4/34
In: 27.101+/-0.007 χ²/NDF:3609759.7/17
Out: 25.037+/-0.007 χ²/NDF:5246415.6/22
All: 25.956+/-0.005 χ²/NDF: 8898302.5/40


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
145
Right In: -0.000+/-0.000 χ²/NDF: 18.8/15
Left Out: -0.000+/-0.000 χ²/NDF:4.6/3
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:1.2/1
Left: -0.000+/-0.000 χ²/NDF: 6.4/5
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: -0.000+/-0.000 χ²/NDF:20.3/17
Out: -0.000+/-0.000 χ²/NDF:20.3/22
All: -0.000+/-0.000 χ²/NDF: 40.6/40


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
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10
100
105
110
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120
125
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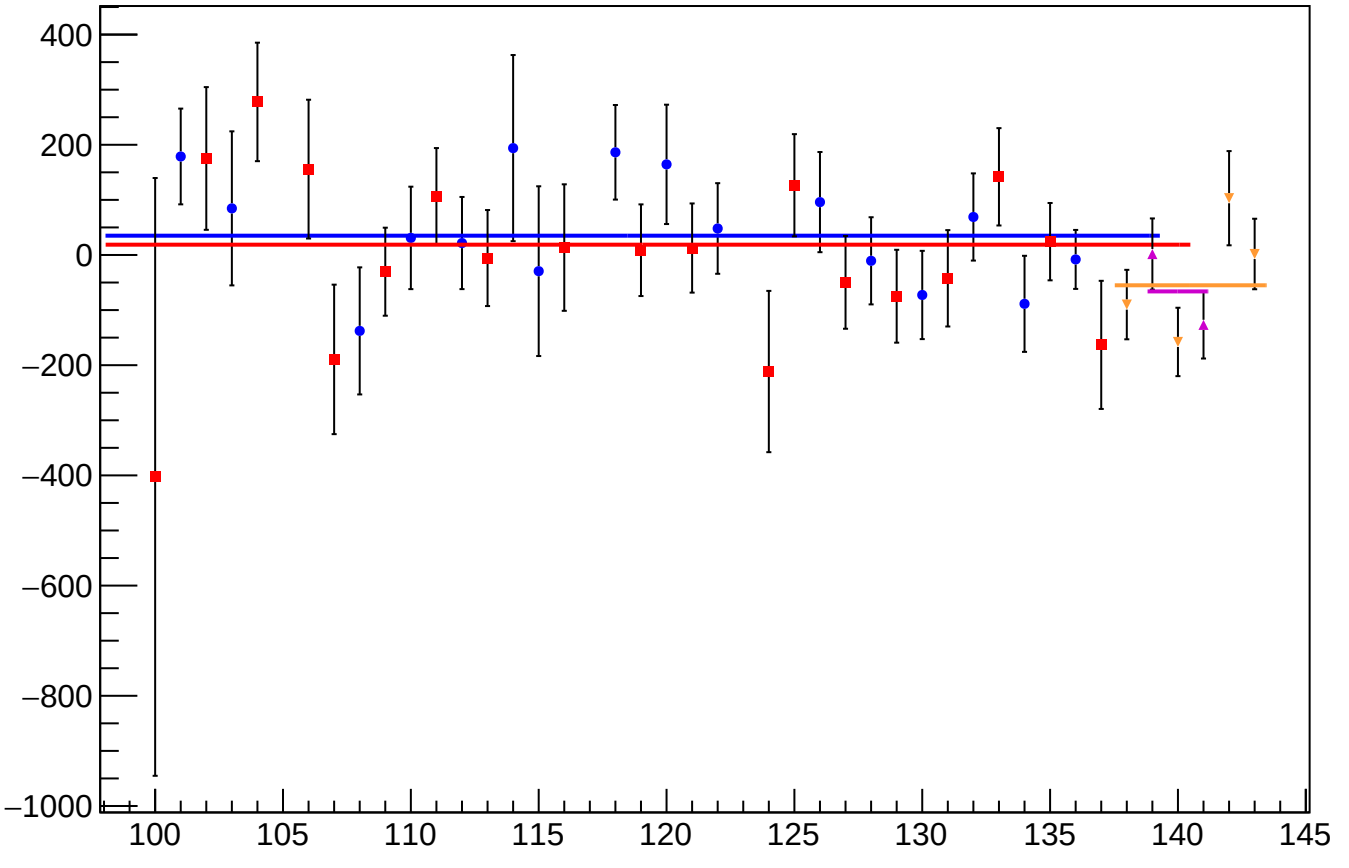
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:469457.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:39727.3/1
Left: 0.000+/-0.000 χ²/NDF: 514932.5/5
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:2967402.6/17
Out: 0.000+/-0.000 χ²/NDF:3652992.9/22
All: 0.000+/-0.000 χ²/NDF: 6705118.3/40



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.008+/-33.475 χ^2/NDF:7.3/3

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -66.121+/-44.405 χ^2/NDF:2.1/1

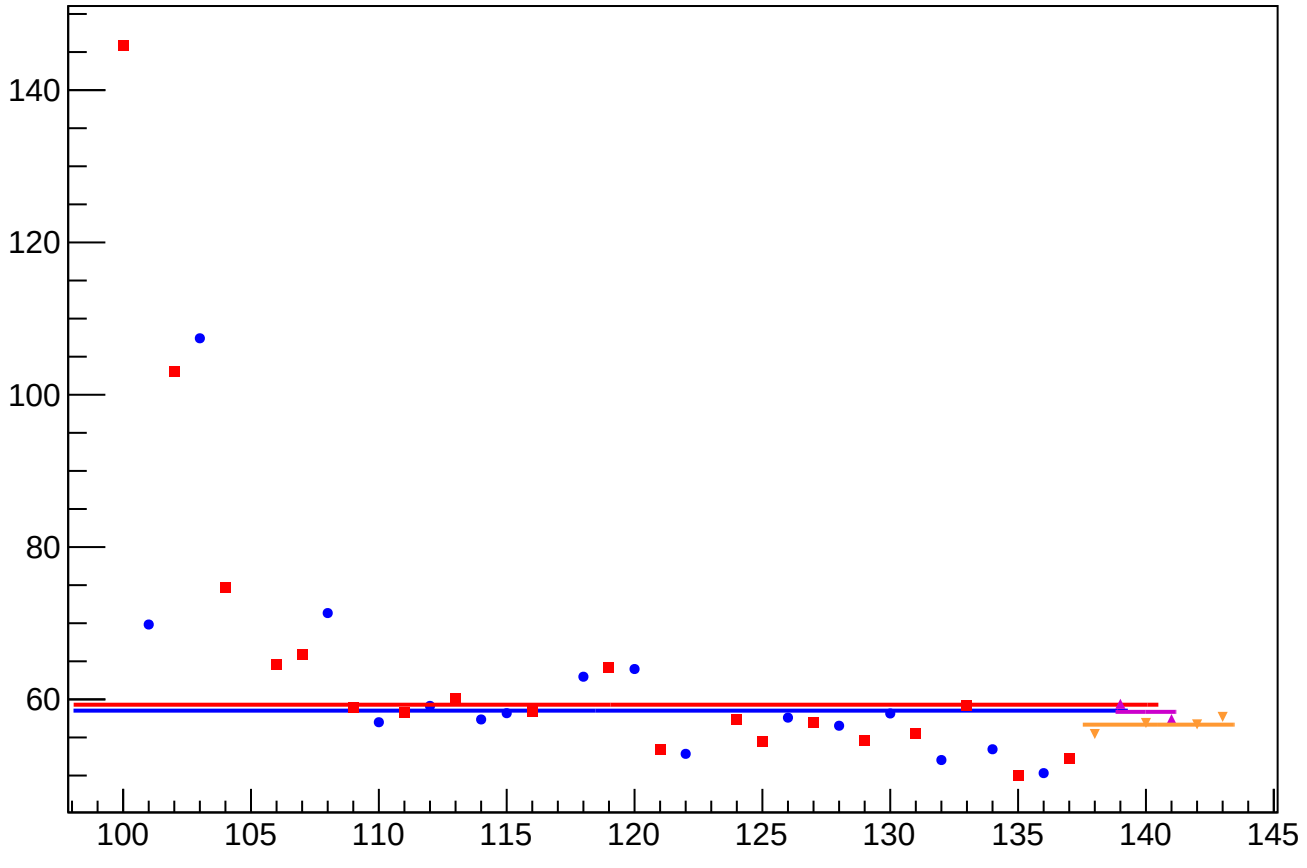
Left: -59.035+/-26.730 χ^2/NDF: 9.4/5

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: 14.890+/-19.810 χ^2/NDF:22.4/17

Out: -3.733+/-18.465 χ^2/NDF:34.1/22

All: 4.925+/-13.507 χ^2/NDF: 57.0/40



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

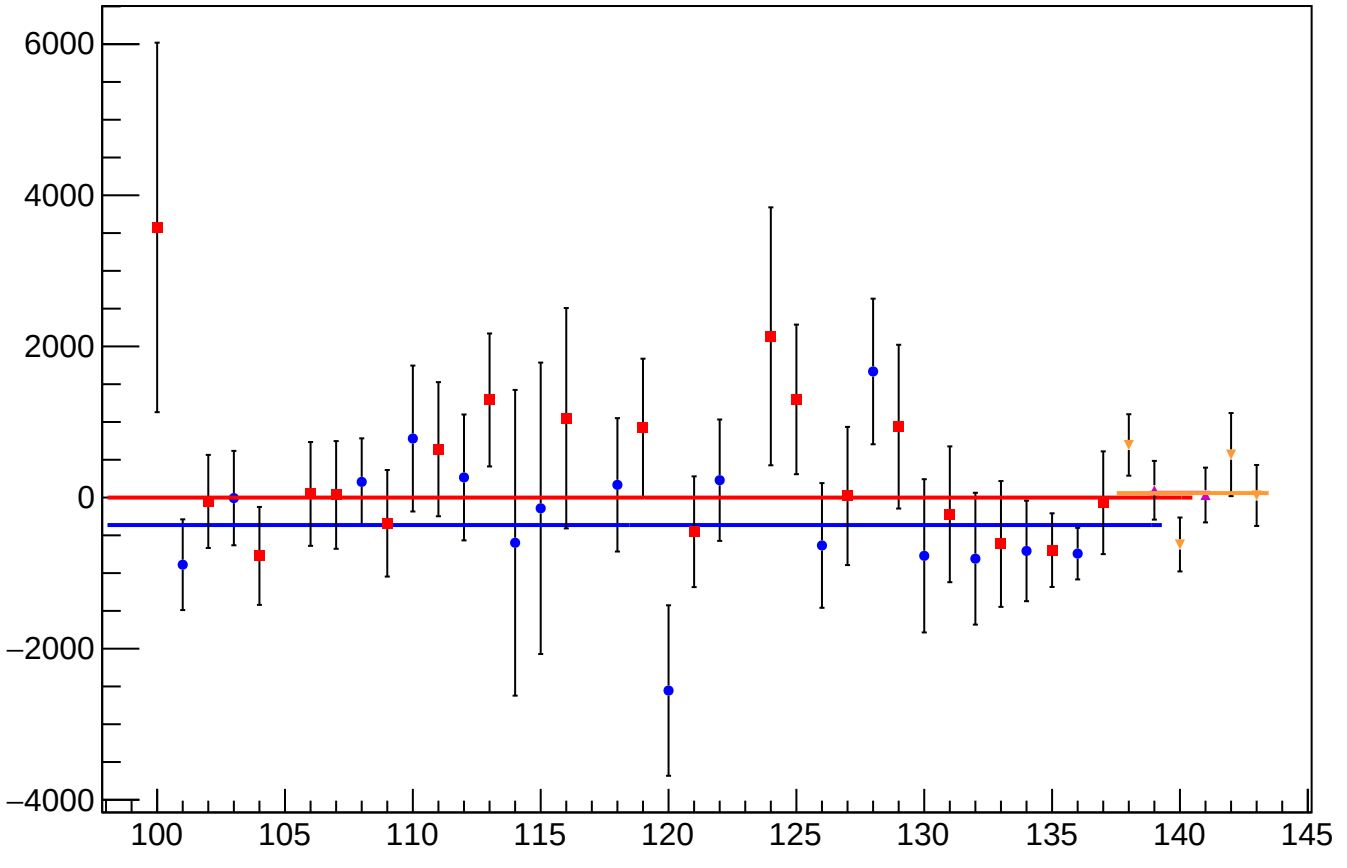
Left: 57.291+/-0.019 χ^2/NDF: 4142.8/5

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.490+/-0.014 χ^2/NDF:393784.4/17

Out: 58.504+/-0.013 χ^2/NDF:416422.0/22

All: 58.498+/-0.010 χ^2/NDF: 810207.0/40



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: 59.104+/-206.970 χ^2/NDF:6.9/3

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: 60.496+/-163.134 χ^2/NDF: 7.0/5

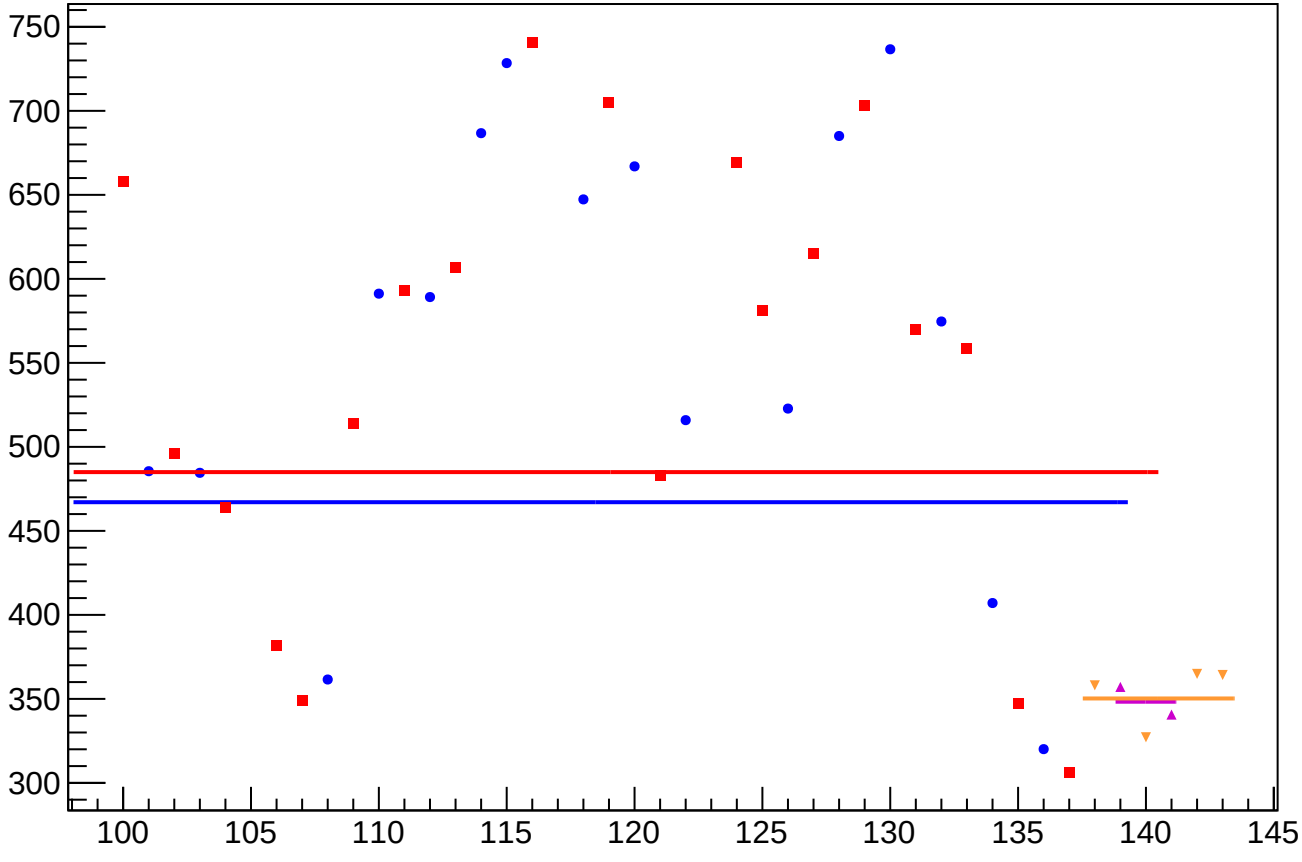
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -228.752+/-149.253 χ^2/NDF:17.0/17

Out: 25.627+/-137.131 χ^2/NDF:22.1/22

All: -90.816+/-100.980 χ^2/NDF: 40.7/40

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: 350.250+/-0.146 χ^2/NDF:12930.8/3

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

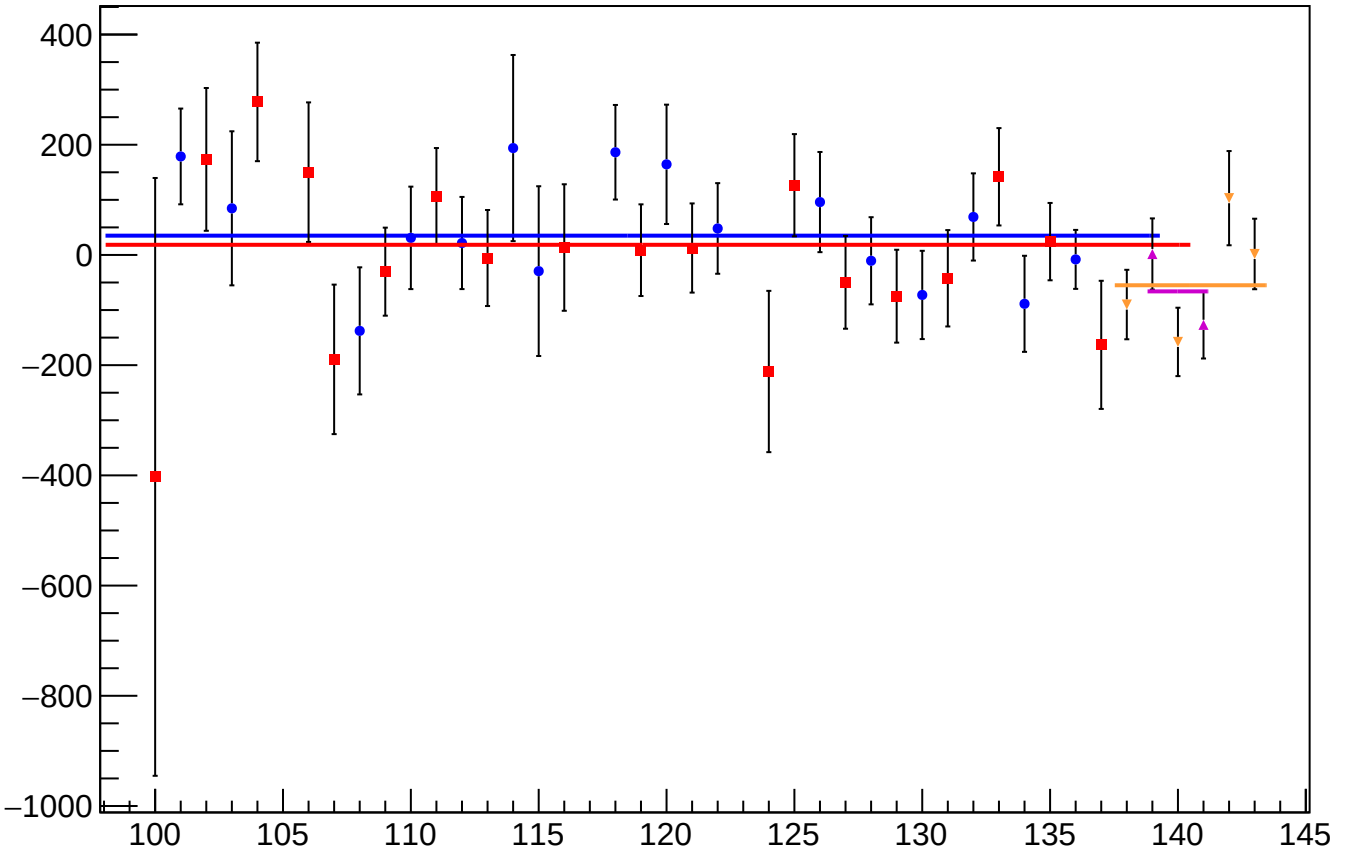
Left: 349.520+/-0.115 χ^2/NDF: 14917.6/5

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 429.423+/-0.106 χ^2/NDF:1306308.8/17

Out: 425.835+/-0.097 χ^2/NDF:1362503.3/22

All: 427.477+/-0.071 χ^2/NDF: 2669438.6/40



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.006+/-33.475 χ^2/NDF:7.3/3

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -66.123+/-44.405 χ^2/NDF:2.1/1

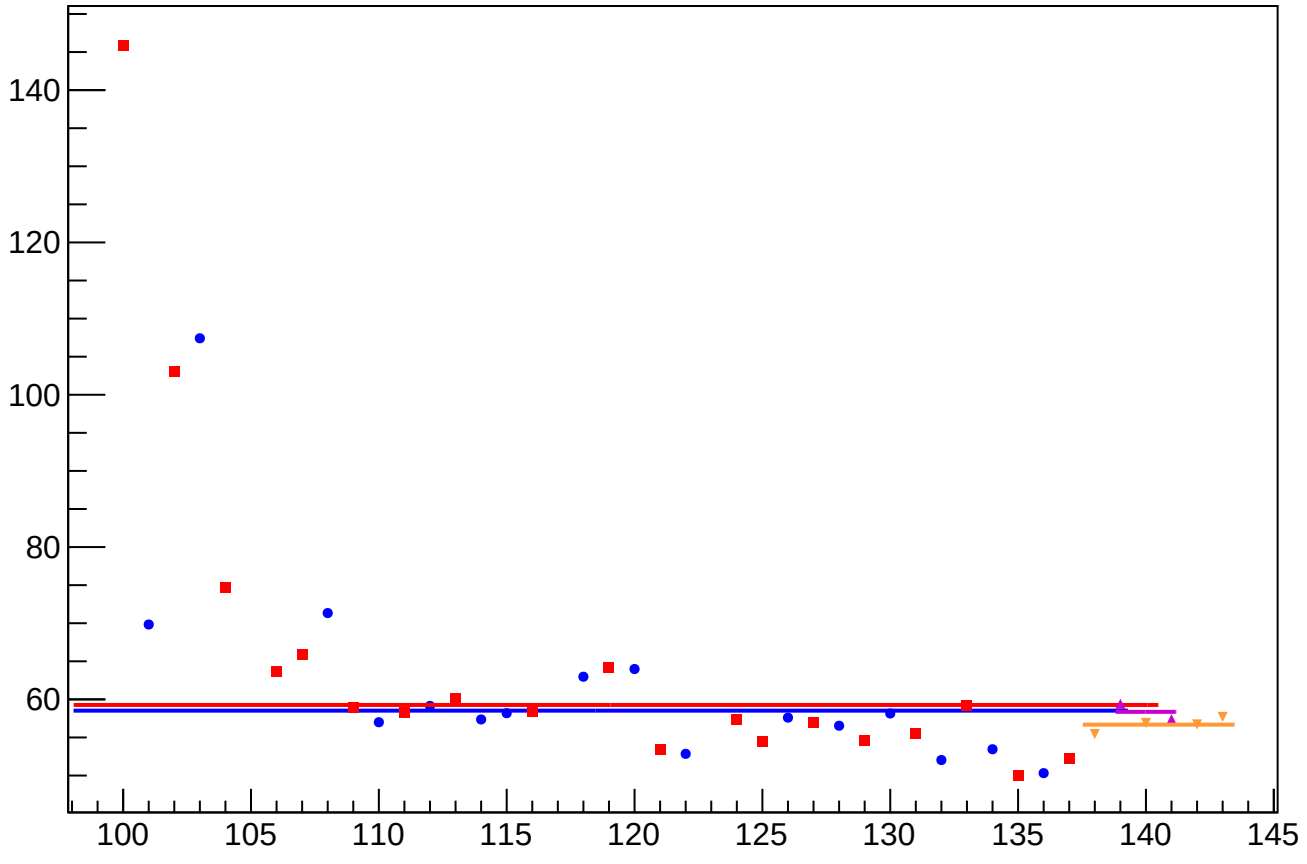
Left: -59.034+/-26.730 χ^2/NDF: 9.4/5

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 14.888+/-19.810 χ^2/NDF:22.4/17

Out: -3.928+/-18.467 χ^2/NDF:34.0/22

All: 4.821+/-13.508 χ^2/NDF: 56.9/40



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.363+/-0.031 χ^2/NDF:1021.6/1

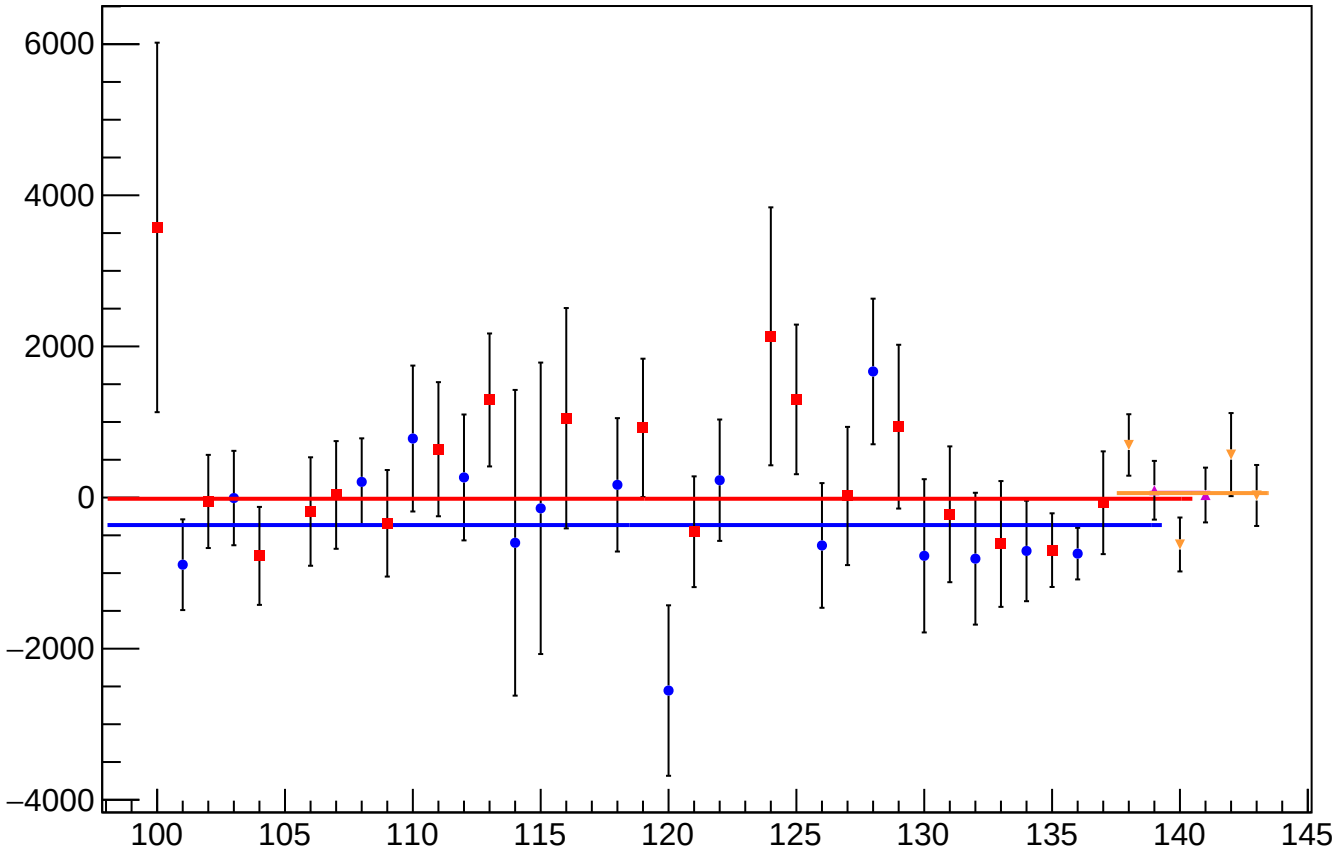
Left: 57.291+/-0.019 χ^2/NDF: 4142.8/5

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.490+/-0.014 χ^2/NDF:393786.5/17

Out: 58.482+/-0.013 χ^2/NDF:415220.1/22

All: 58.486+/-0.010 χ^2/NDF: 809006.8/40



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 59.099+/-206.970 χ^2/NDF:6.9/3

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 62.786+/-265.079 χ^2/NDF:0.0/1

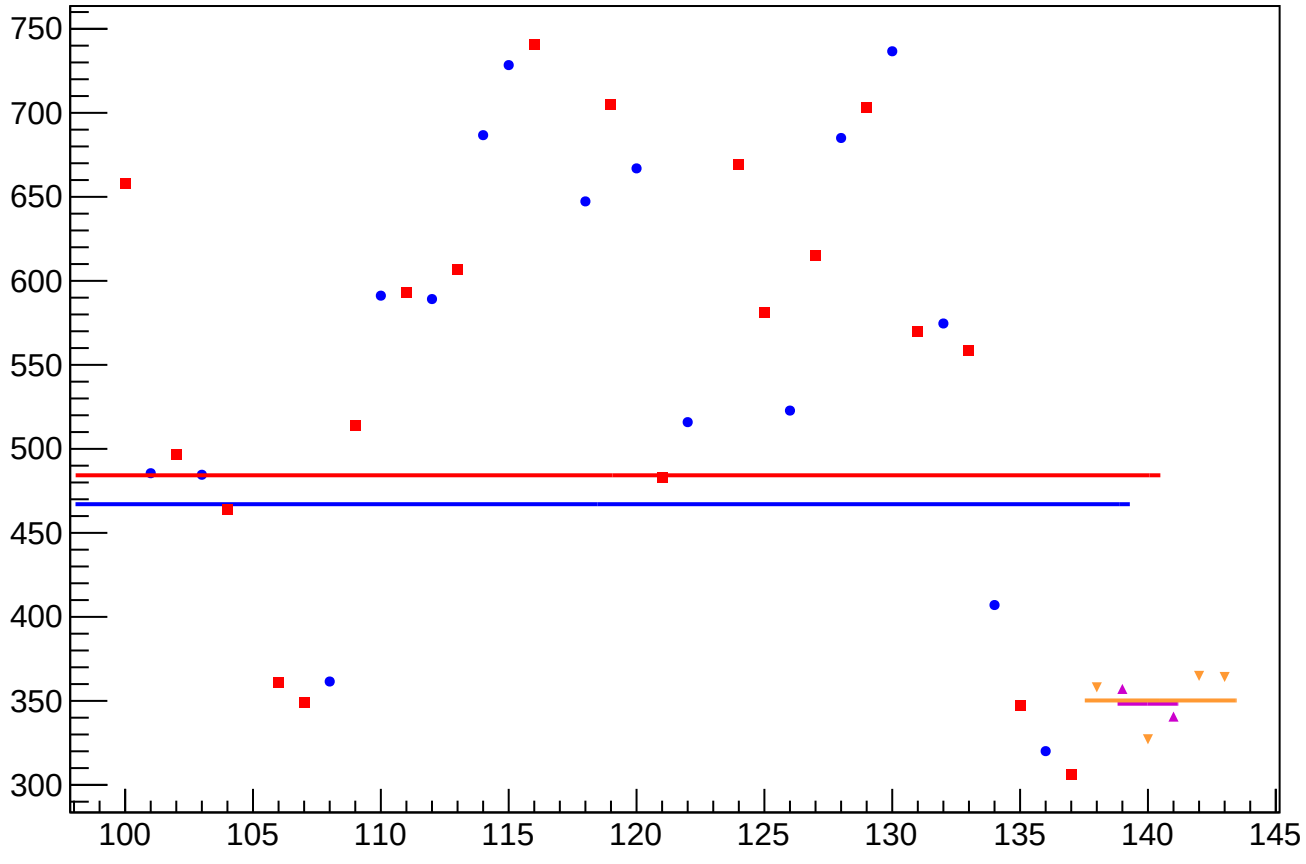
Left: 60.495+/-163.134 χ^2/NDF: 7.0/5

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -228.724+/-149.253 χ^2/NDF:17.0/17

Out: 17.033+/-137.368 χ^2/NDF:22.2/22

All: -95.673+/-101.075 χ^2/NDF: 40.6/40



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 350.250+/-0.146 χ^2/NDF:12931.2/3

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

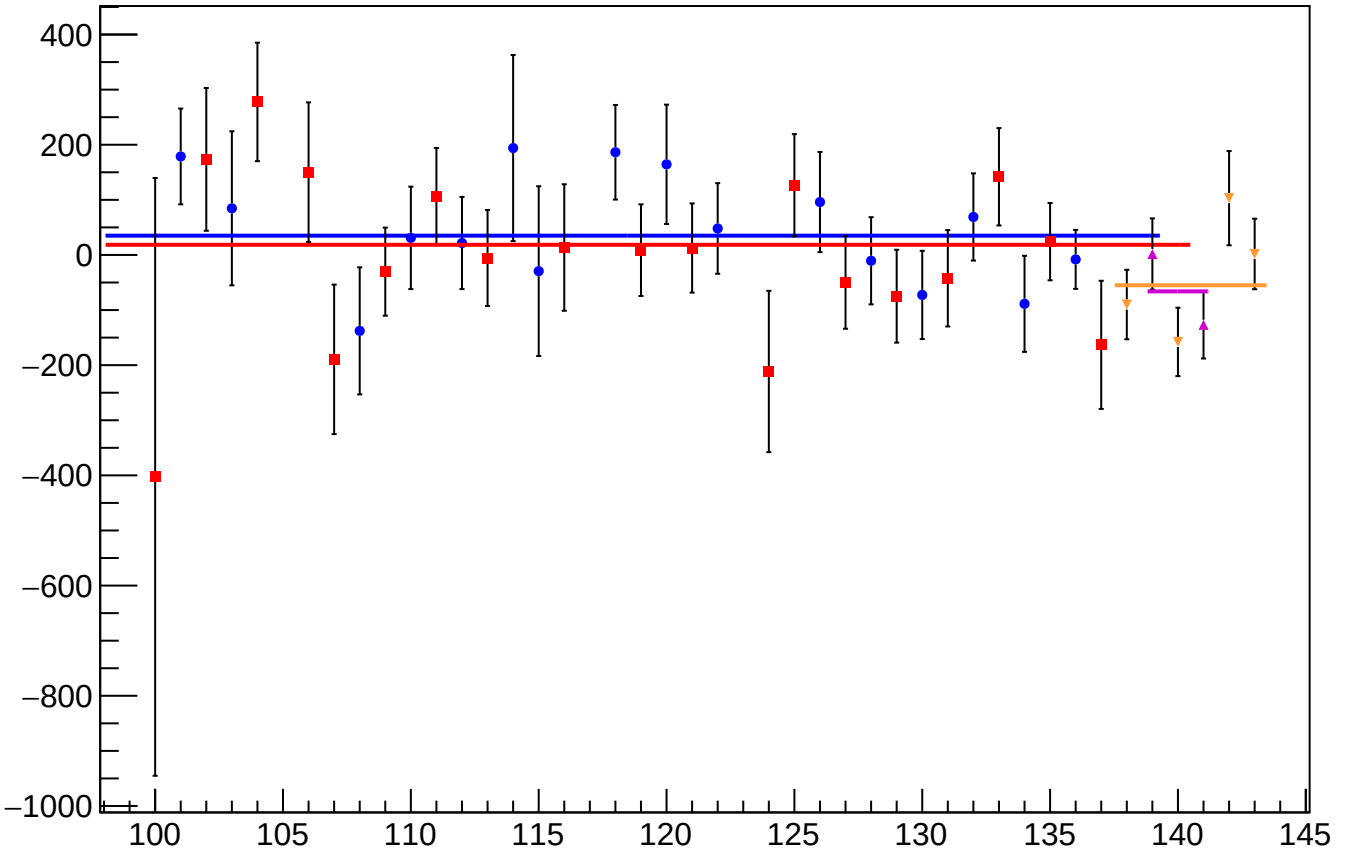
Left: 349.520+/-0.115 χ^2/NDF: 14918.0/5

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 429.424+/-0.106 χ^2/NDF:1306322.6/17

Out: 425.234+/-0.097 χ^2/NDF:1370941.5/22

All: 427.156+/-0.071 χ^2/NDF: 2678117.3/40



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.006+/-33.475 χ^2/NDF:7.3/3

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -66.123+/-44.405 χ^2/NDF:2.1/1

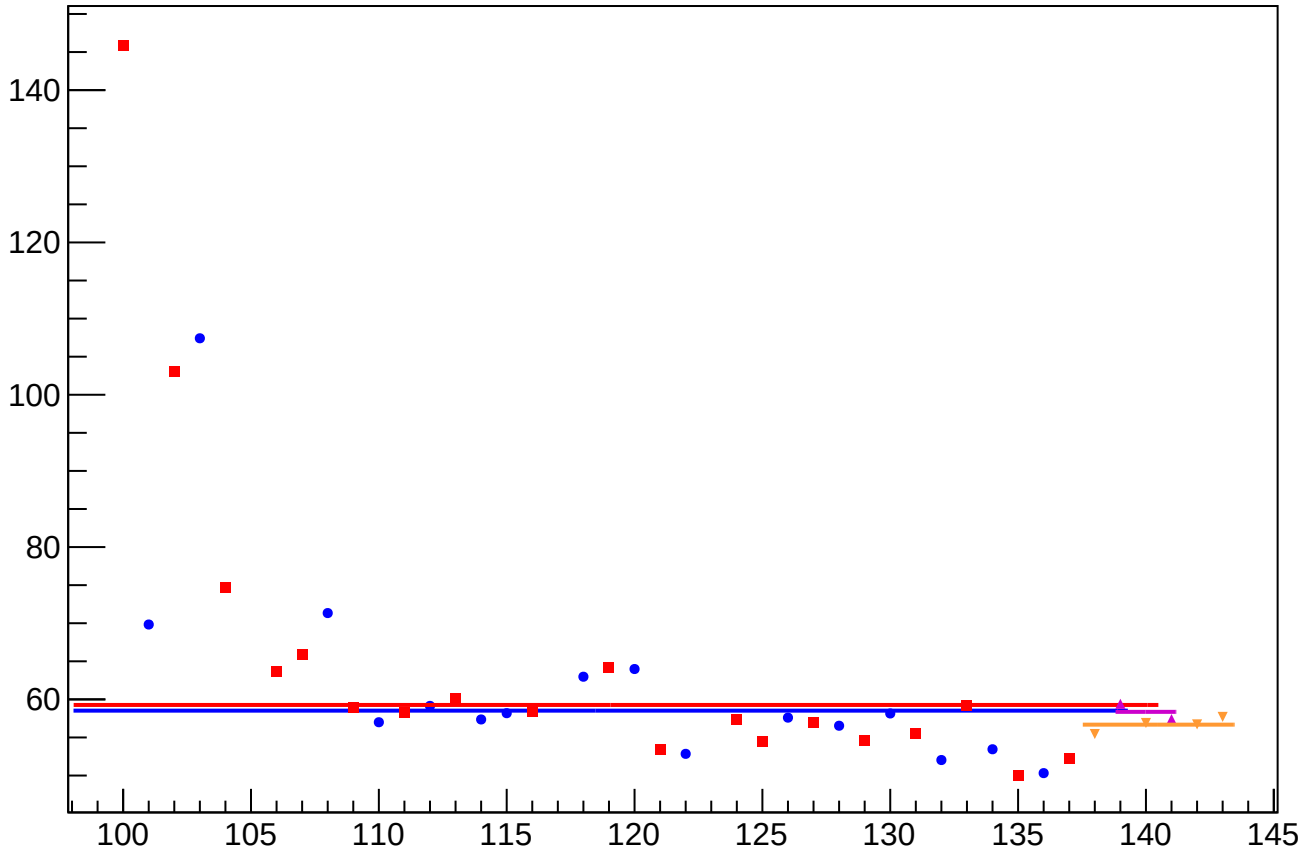
Left: -59.034+/-26.730 χ^2/NDF: 9.4/5

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: 14.888+/-19.810 χ^2/NDF:22.4/17

Out: -3.928+/-18.467 χ^2/NDF:34.0/22

All: 4.821+/-13.508 χ^2/NDF: 56.9/40



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.683+/-0.024 χ^2/NDF:1294.6/3

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: 57.291+/-0.019 χ^2/NDF: 4142.8/5

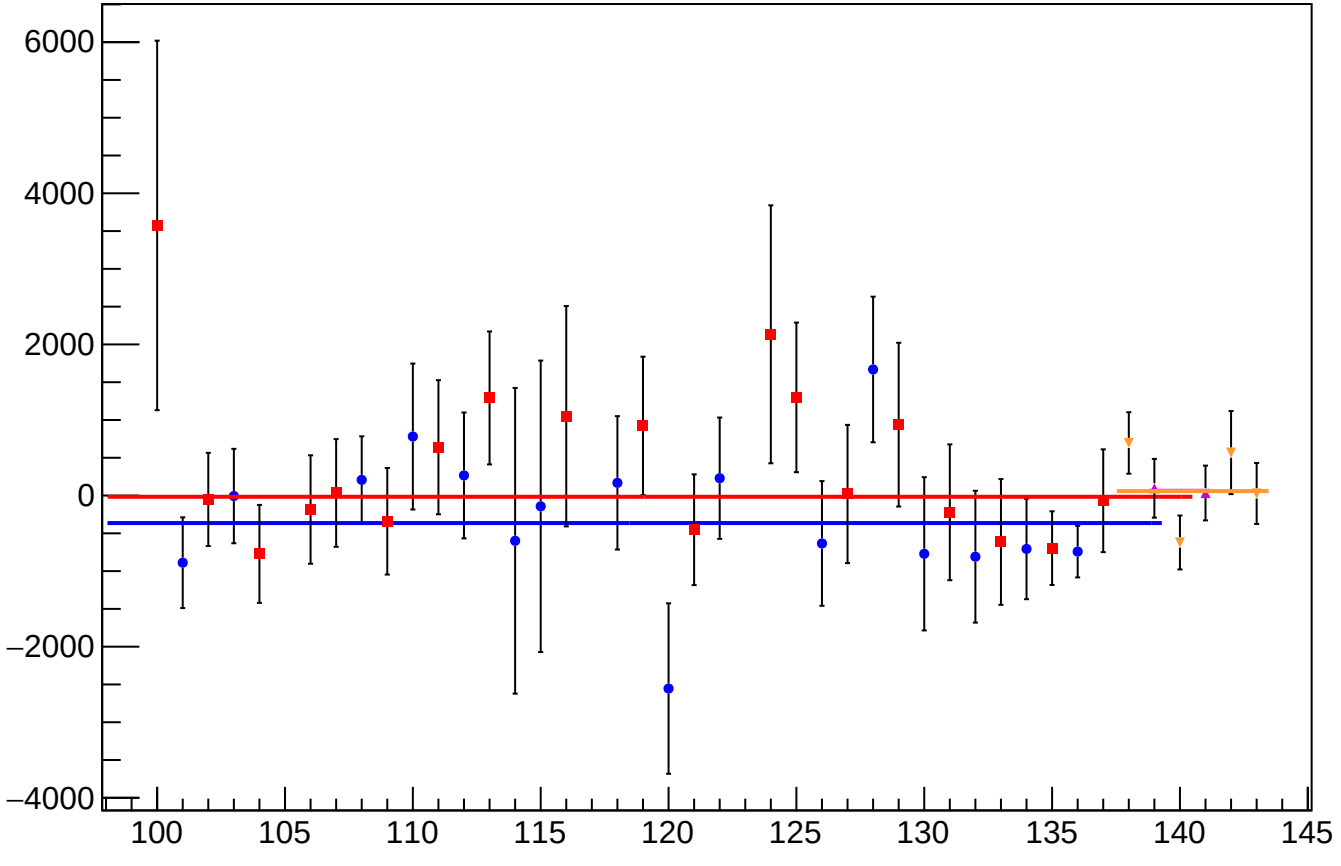
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.490+/-0.014 χ^2/NDF:393786.5/17

Out: 58.482+/-0.013 χ^2/NDF:415220.1/22

All: 58.486+/-0.010 χ^2/NDF: 809006.8/40

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 59.099+/-206.970 χ^2/NDF:6.9/3

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: 60.495+/-163.134 χ^2/NDF: 7.0/5

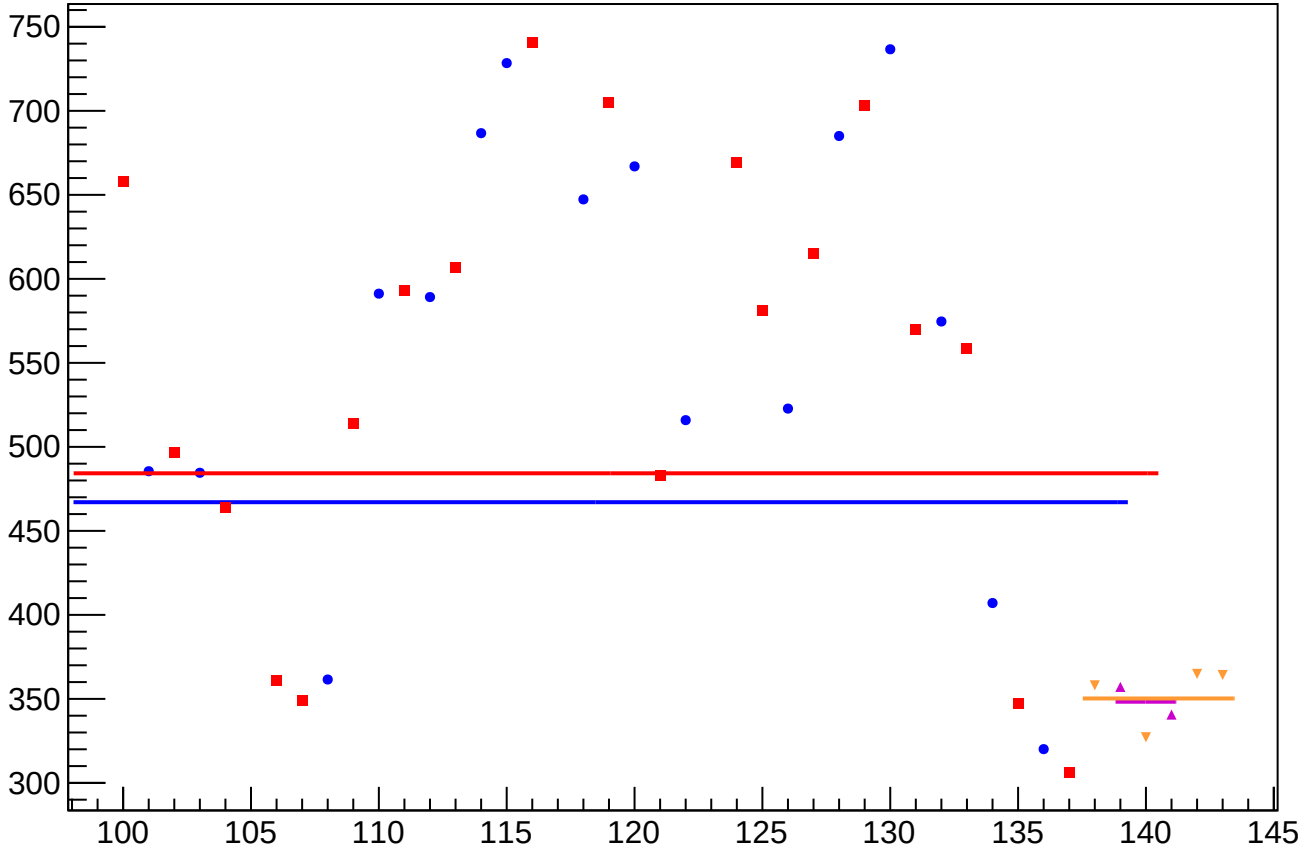
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -228.724+/-149.253 χ^2/NDF:17.0/17

Out: 17.033+/-137.368 χ^2/NDF:22.2/22

All: -95.673+/-101.075 χ^2/NDF: 40.6/40

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: 350.250+/-0.146 χ^2/NDF:12931.2/3

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 348.322+/-0.187 χ^2/NDF:1921.1/1

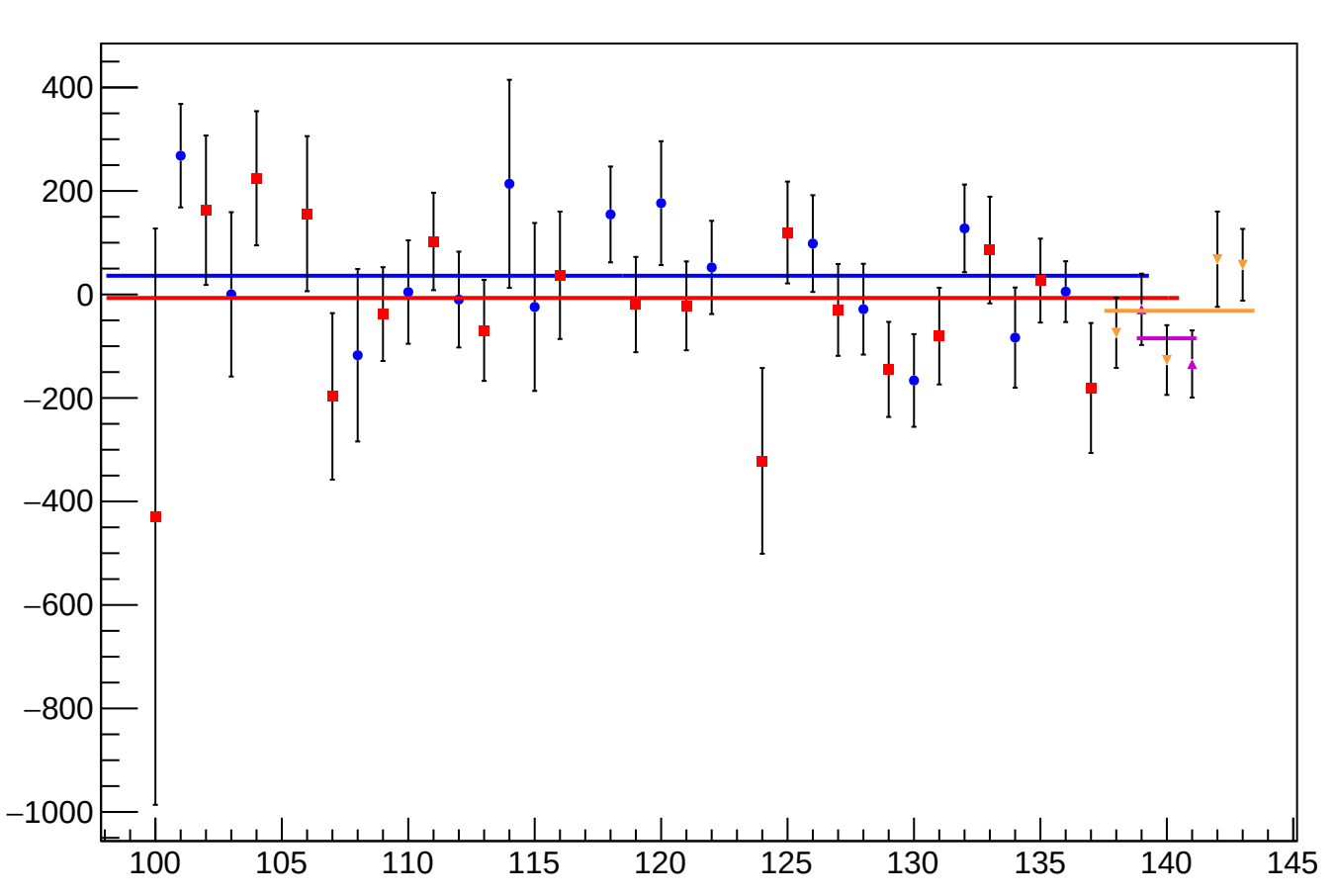
Left: 349.520+/-0.115 χ^2/NDF: 14918.0/5

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 429.424+/-0.106 χ^2/NDF:1306322.6/17

Out: 425.234+/-0.097 χ^2/NDF:1370941.5/22

All: 427.156+/-0.071 χ^2/NDF: 2678117.3/40



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -31.577+/-36.177 χ^2/NDF:5.2/3

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -84.713+/-47.244 χ^2/NDF:1.2/1

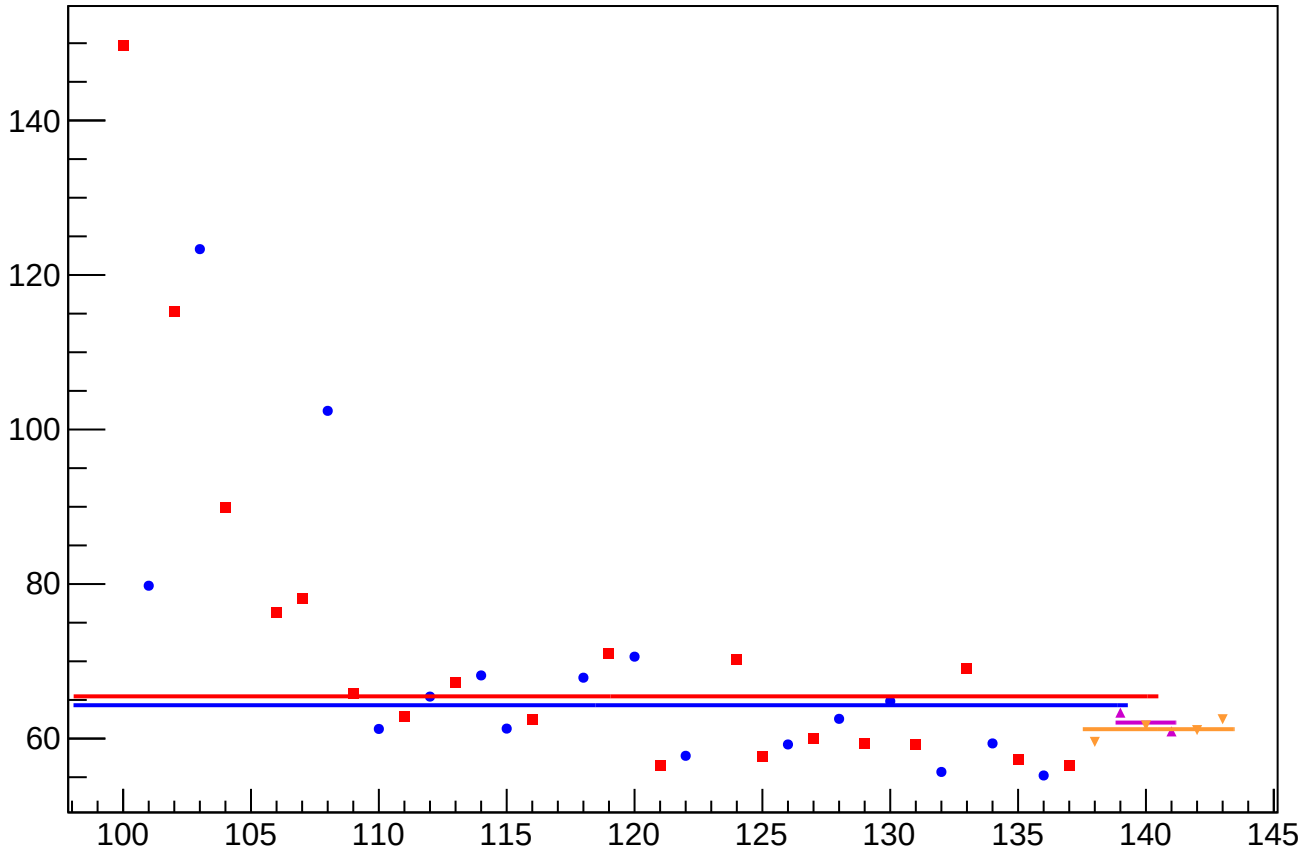
Left: -51.218+/-28.723 χ^2/NDF: 7.2/5

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 10.588+/-21.729 χ^2/NDF:26.1/17

Out: -14.574+/-20.323 χ^2/NDF:25.9/22

All: -2.834+/-14.843 χ^2/NDF: 52.6/40



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.216+/-0.026 χ^2/NDF:1974.1/3

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.071+/-0.033 χ^2/NDF:1315.9/1

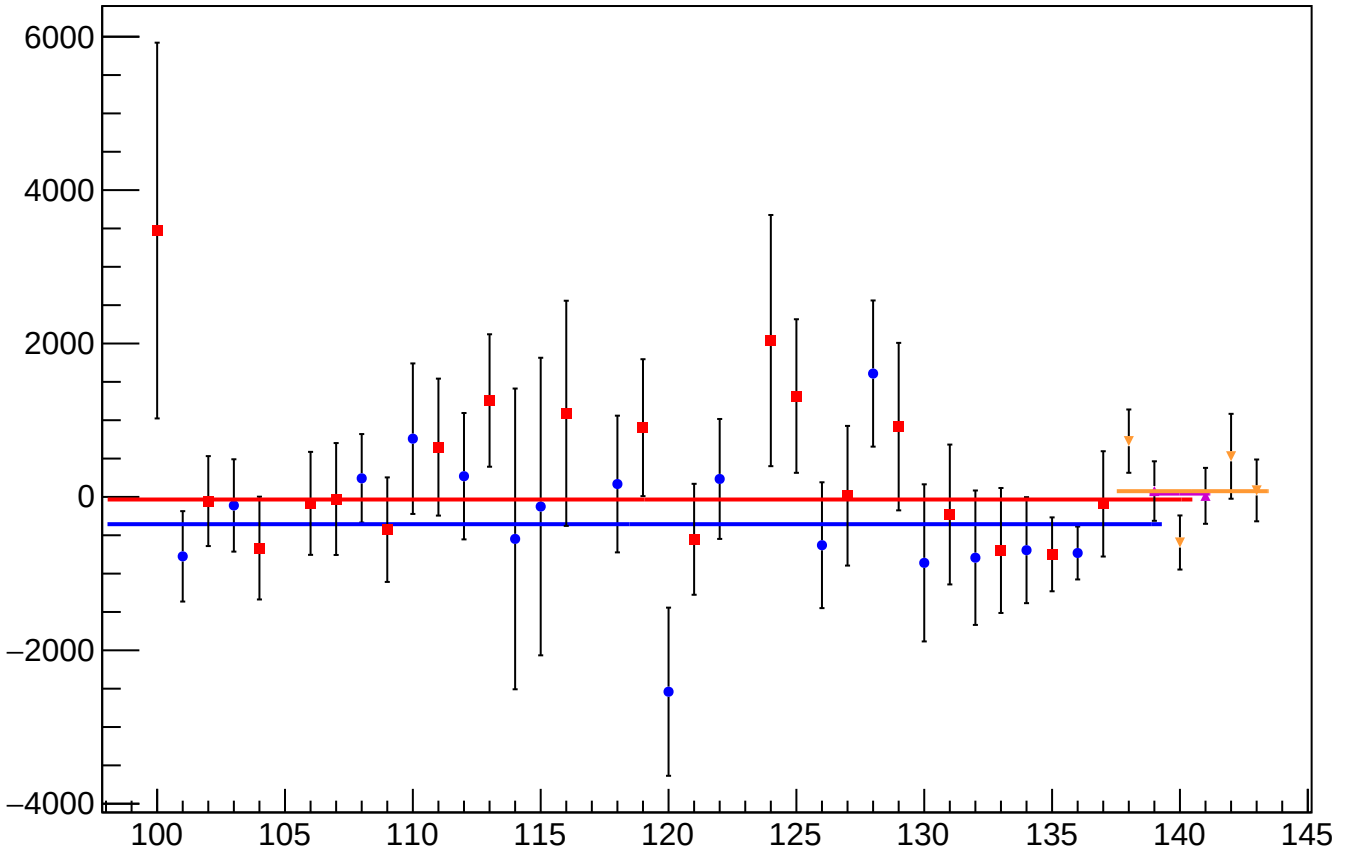
Left: 61.532+/-0.020 χ^2/NDF: 3702.7/5

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.841+/-0.015 χ^2/NDF:536942.8/17

Out: 64.125+/-0.014 χ^2/NDF:503226.3/22

All: 63.993+/-0.010 χ^2/NDF: 1040350.9/40



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 74.825+/-207.028 χ^2/NDF:6.8/3

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 43.298+/-265.733 χ^2/NDF:0.0/1

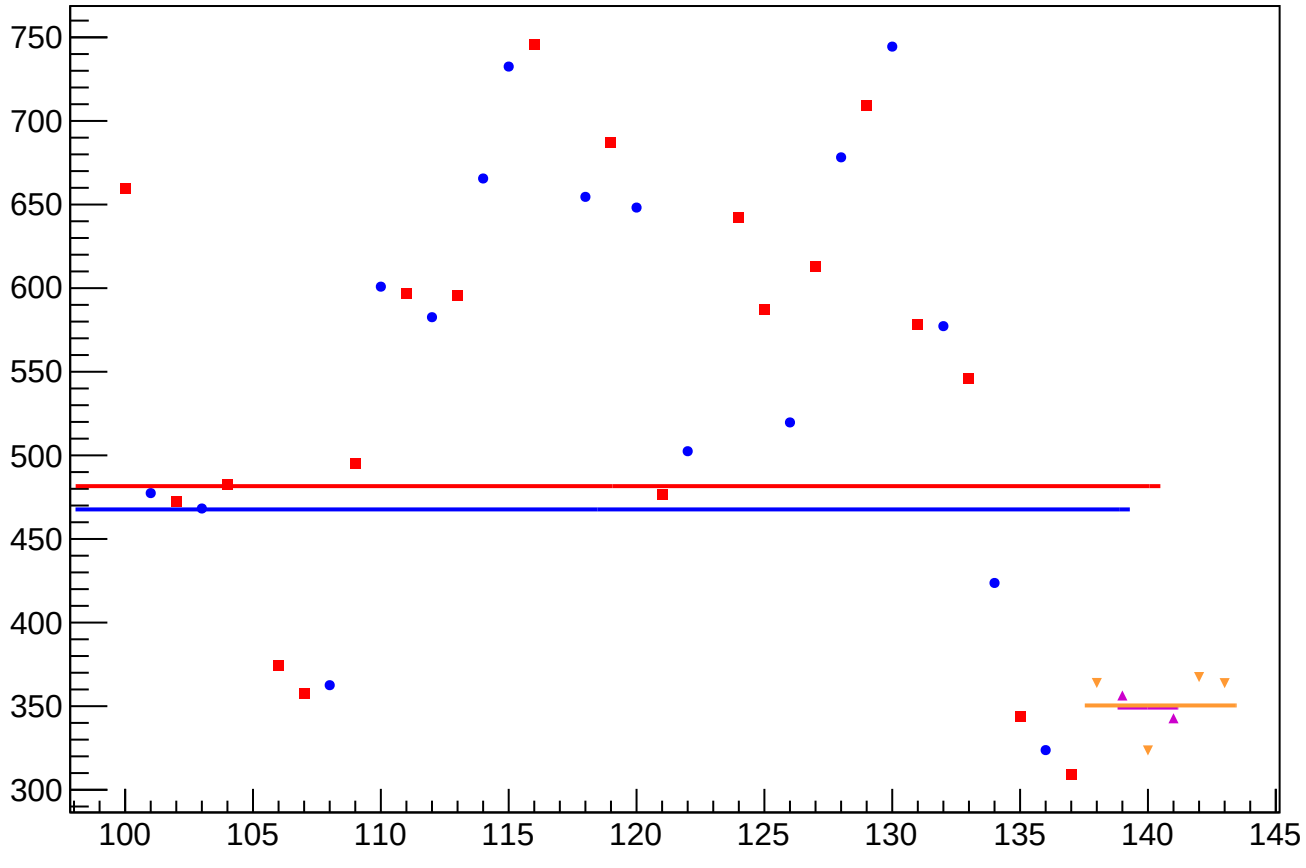
Left: 62.917+/-163.314 χ^2/NDF: 6.8/5

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -229.770+/-149.218 χ^2/NDF:16.4/17

Out: 13.432+/-136.504 χ^2/NDF:22.3/22

All: -97.368+/-100.718 χ^2/NDF: 40.1/40



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 350.438+/-0.146 χ^2/NDF:17831.3/3

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 349.159+/-0.188 χ^2/NDF:1311.5/1

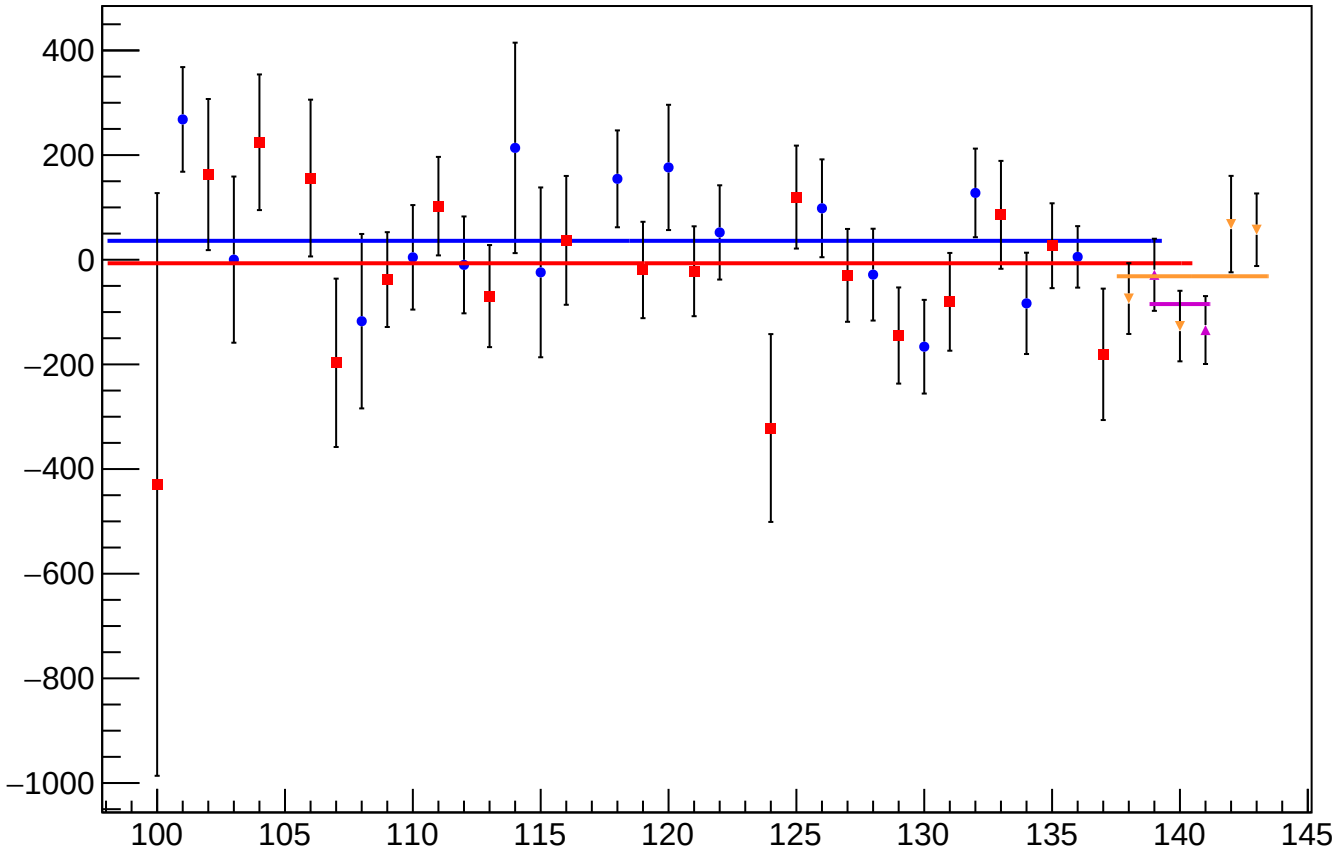
Left: 349.955+/-0.115 χ^2/NDF: 19171.6/5

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 430.304+/-0.106 χ^2/NDF:1259634.7/17

Out: 424.578+/-0.097 χ^2/NDF:1325876.2/22

All: 427.187+/-0.071 χ^2/NDF: 2587114.1/40



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -31.576+/-36.177 χ^2/NDF:5.2/3

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -84.712+/-47.244 χ^2/NDF:1.2/1

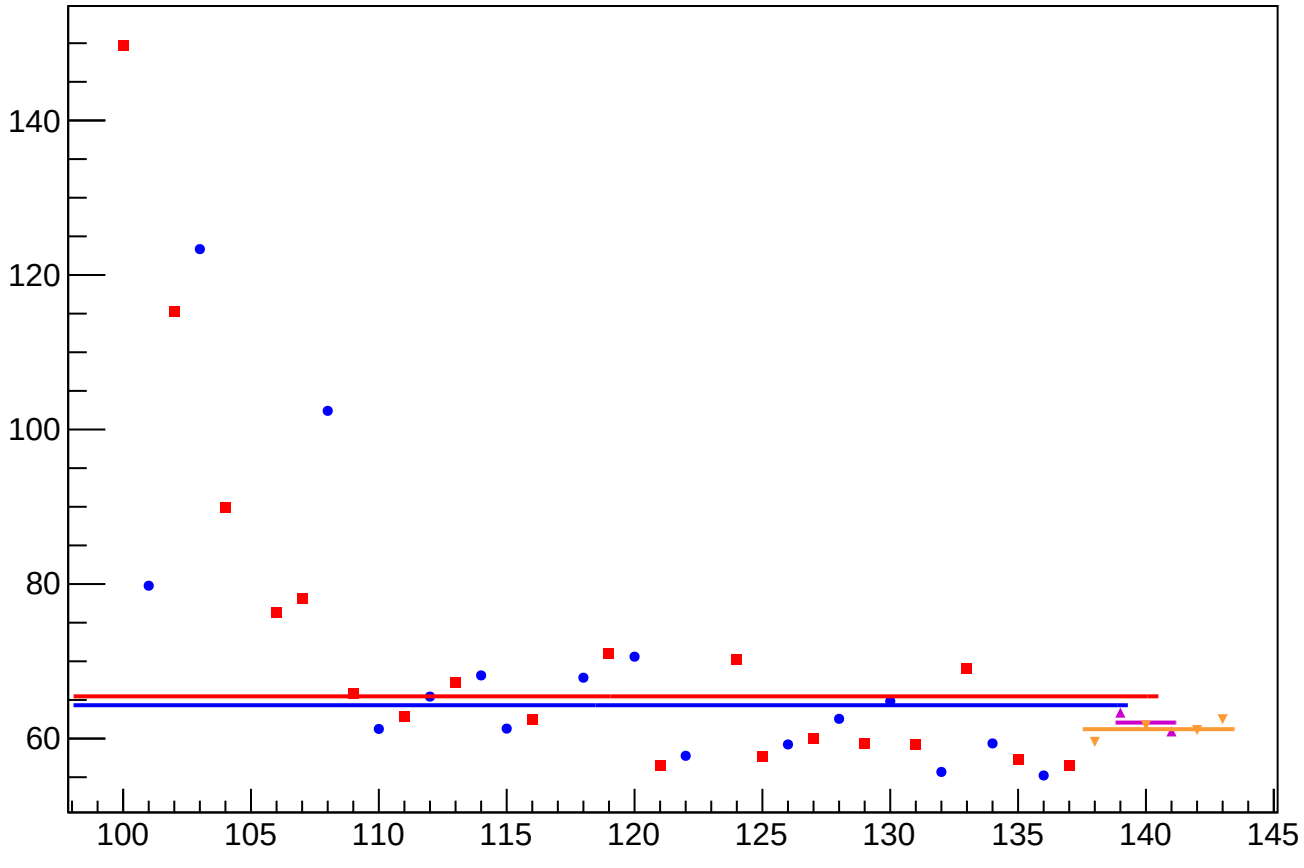
Left: -51.217+/-28.723 χ^2/NDF: 7.2/5

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: 10.588+/-21.729 χ^2/NDF:26.1/17

Out: -14.574+/-20.323 χ^2/NDF:25.9/22

All: -2.834+/-14.843 χ^2/NDF: 52.6/40



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.216+/-0.026 χ^2/NDF:1974.0/3

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.071+/-0.033 χ^2/NDF:1315.7/1

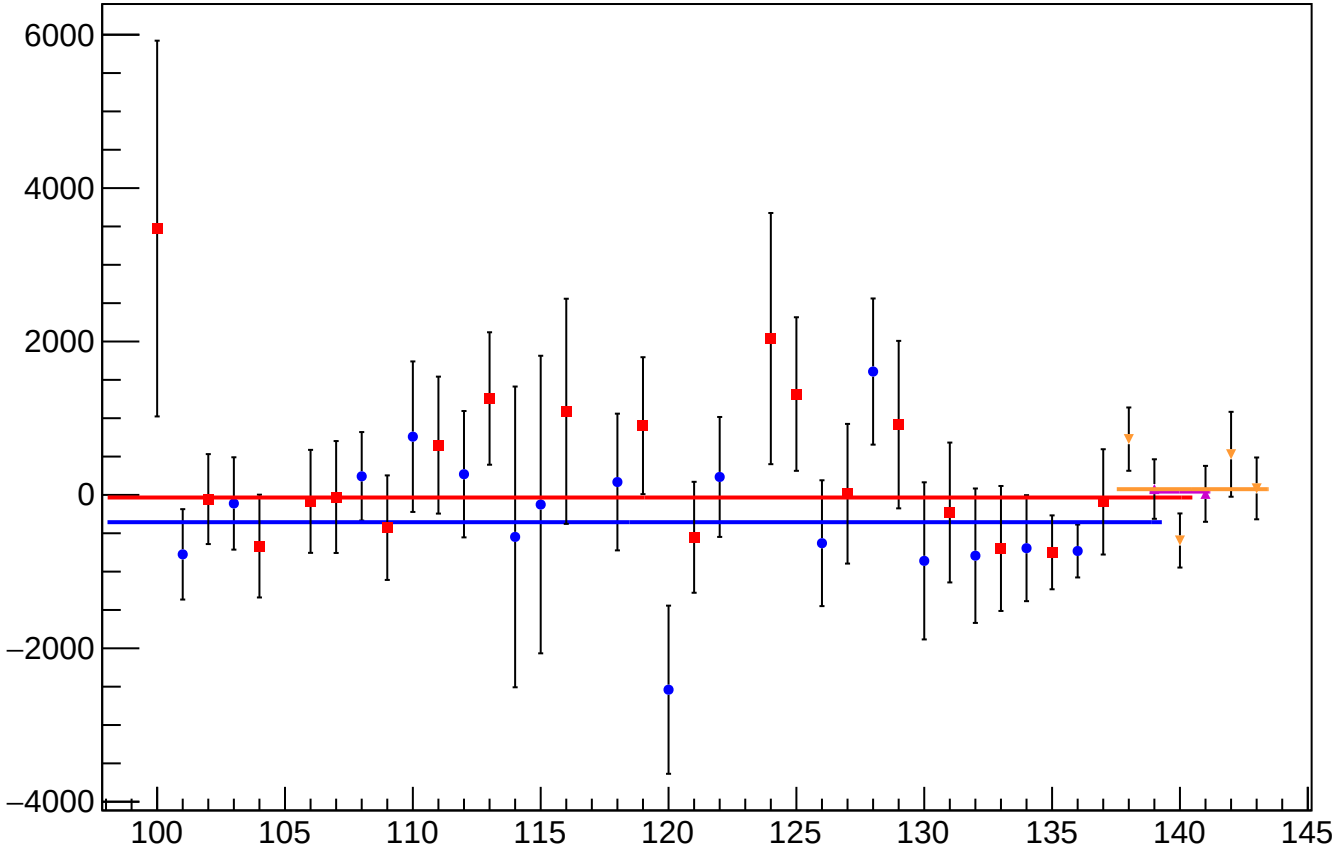
Left: 61.532+/-0.020 χ^2/NDF: 3702.5/5

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.841+/-0.015 χ^2/NDF:536950.4/17

Out: 64.125+/-0.014 χ^2/NDF:503230.7/22

All: 63.993+/-0.010 χ^2/NDF: 1040362.9/40



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 74.825+/-207.028 χ^2/NDF:6.8/3

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: 62.917+/-163.315 χ^2/NDF: 6.8/5

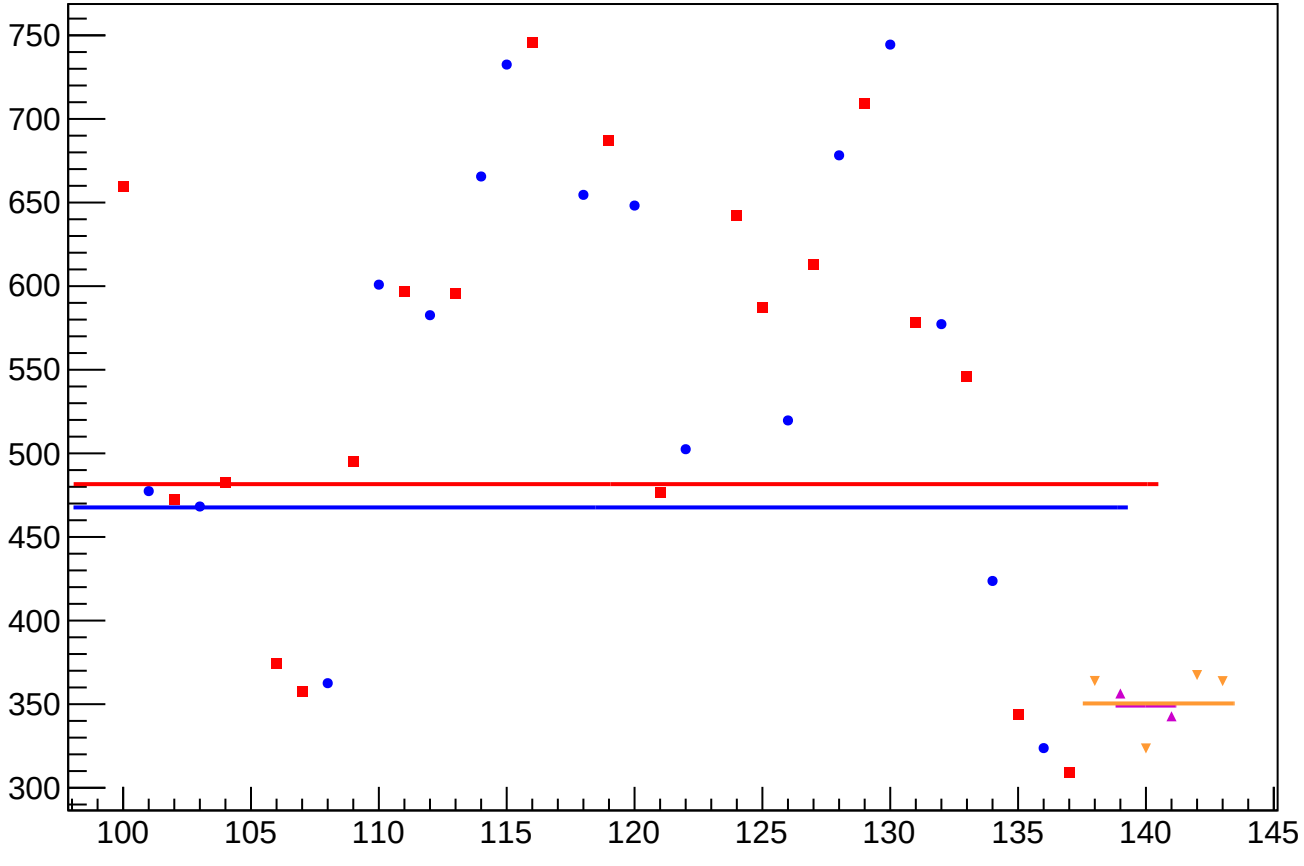
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -229.770+/-149.218 χ^2/NDF:16.4/17

Out: 13.431+/-136.504 χ^2/NDF:22.3/22

All: -97.369+/-100.718 χ^2/NDF: 40.1/40

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: 350.438+/-0.146 χ^2/NDF:17831.0/3

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: 349.955+/-0.115 χ^2/NDF: 19171.4/5

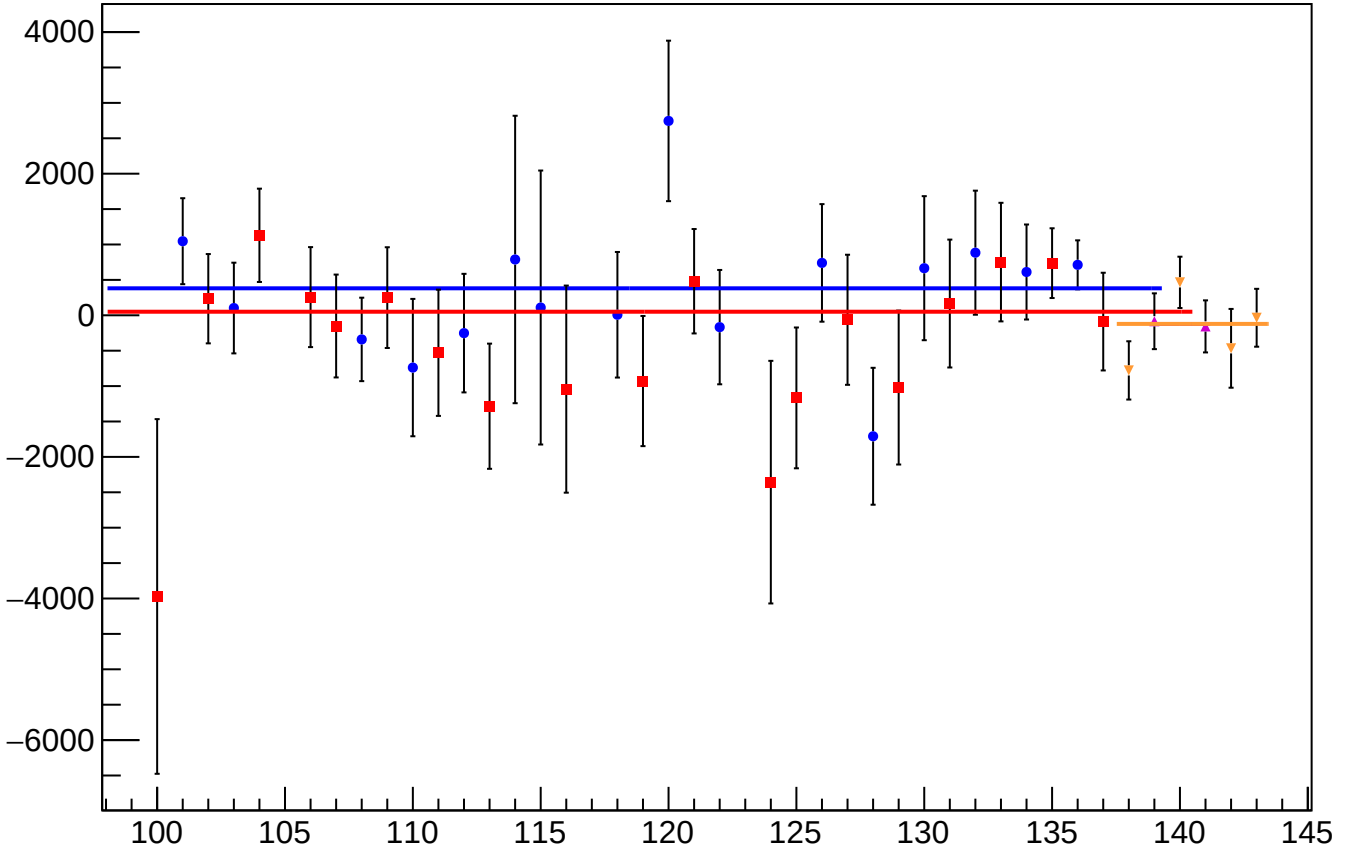
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 430.304+/-0.106 χ^2/NDF:1259630.3/17

Out: 424.578+/-0.097 χ^2/NDF:1325869.2/22

All: 427.187+/-0.071 χ^2/NDF: 2587102.9/40

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -121.700+/-209.717 χ^2/NDF:5.6/3

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: -122.161+/-165.347 χ^2/NDF: 5.6/5

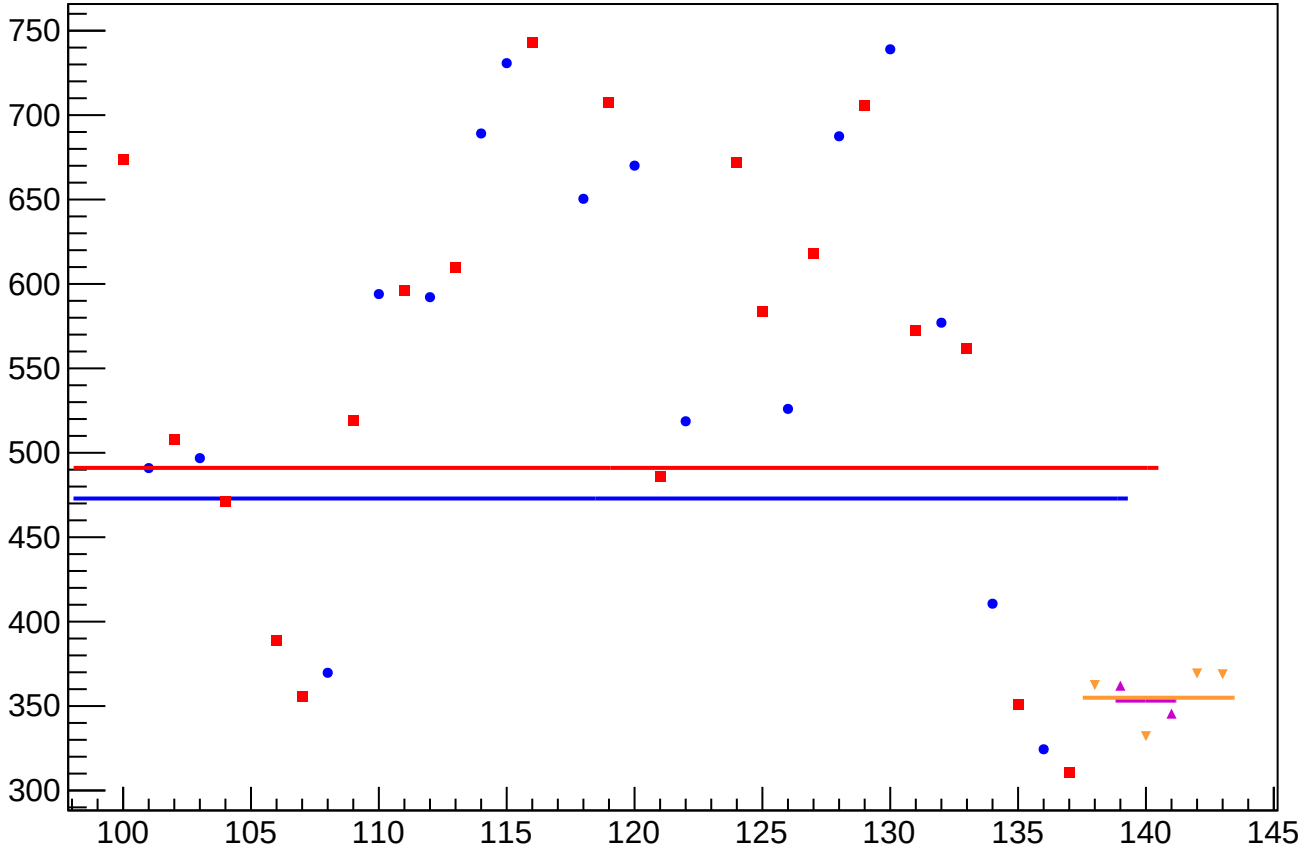
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 221.879+/-151.077 χ^2/NDF:18.6/17

Out: -25.039+/-138.845 χ^2/NDF:23.5/22

All: 88.021+/-102.229 χ^2/NDF: 43.5/40

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 354.930+/-0.148 χ^2/NDF:12213.5/3

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 353.227+/-0.190 χ^2/NDF:1885.3/1

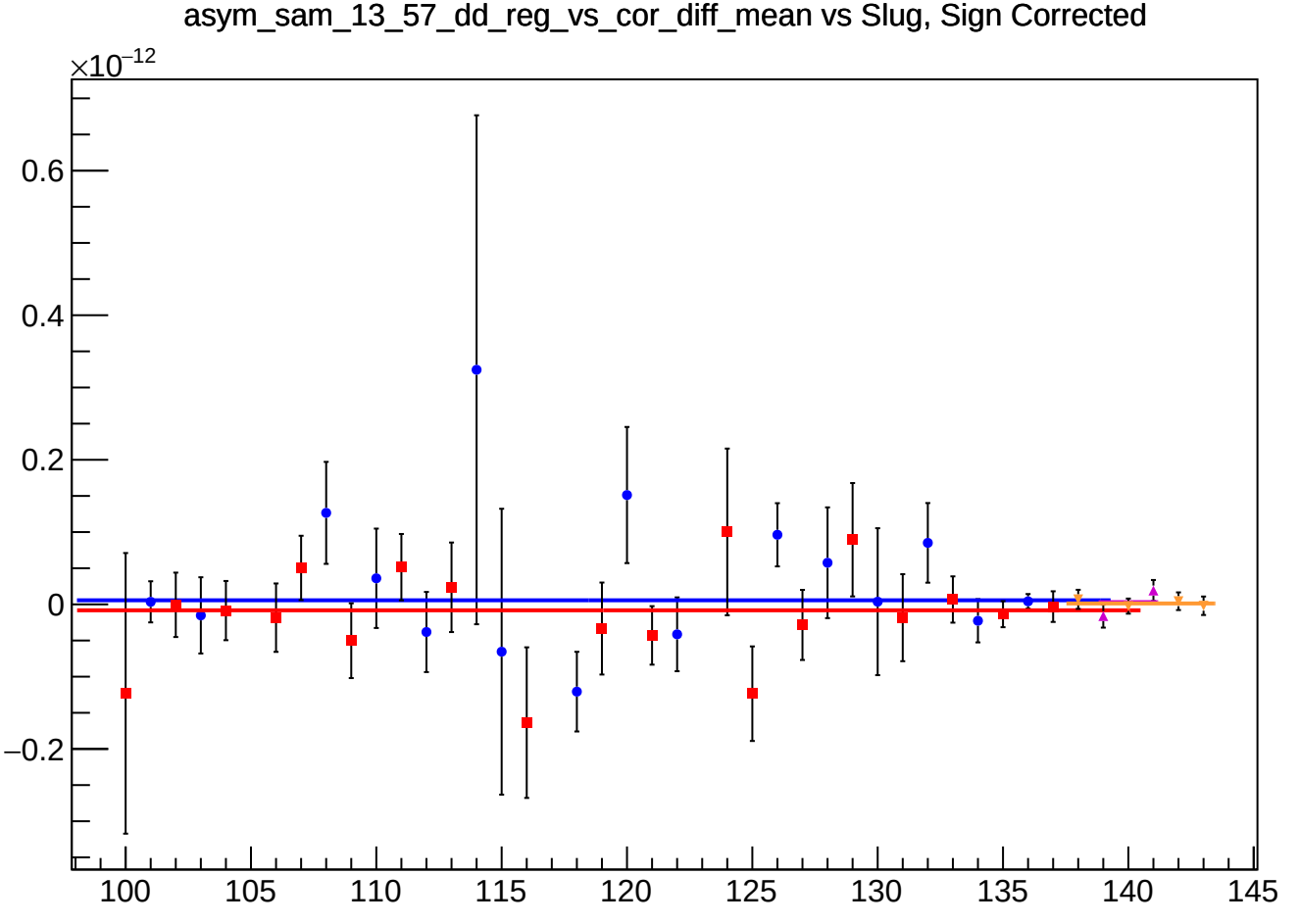
Left: 354.286+/-0.117 χ^2/NDF: 14148.7/5

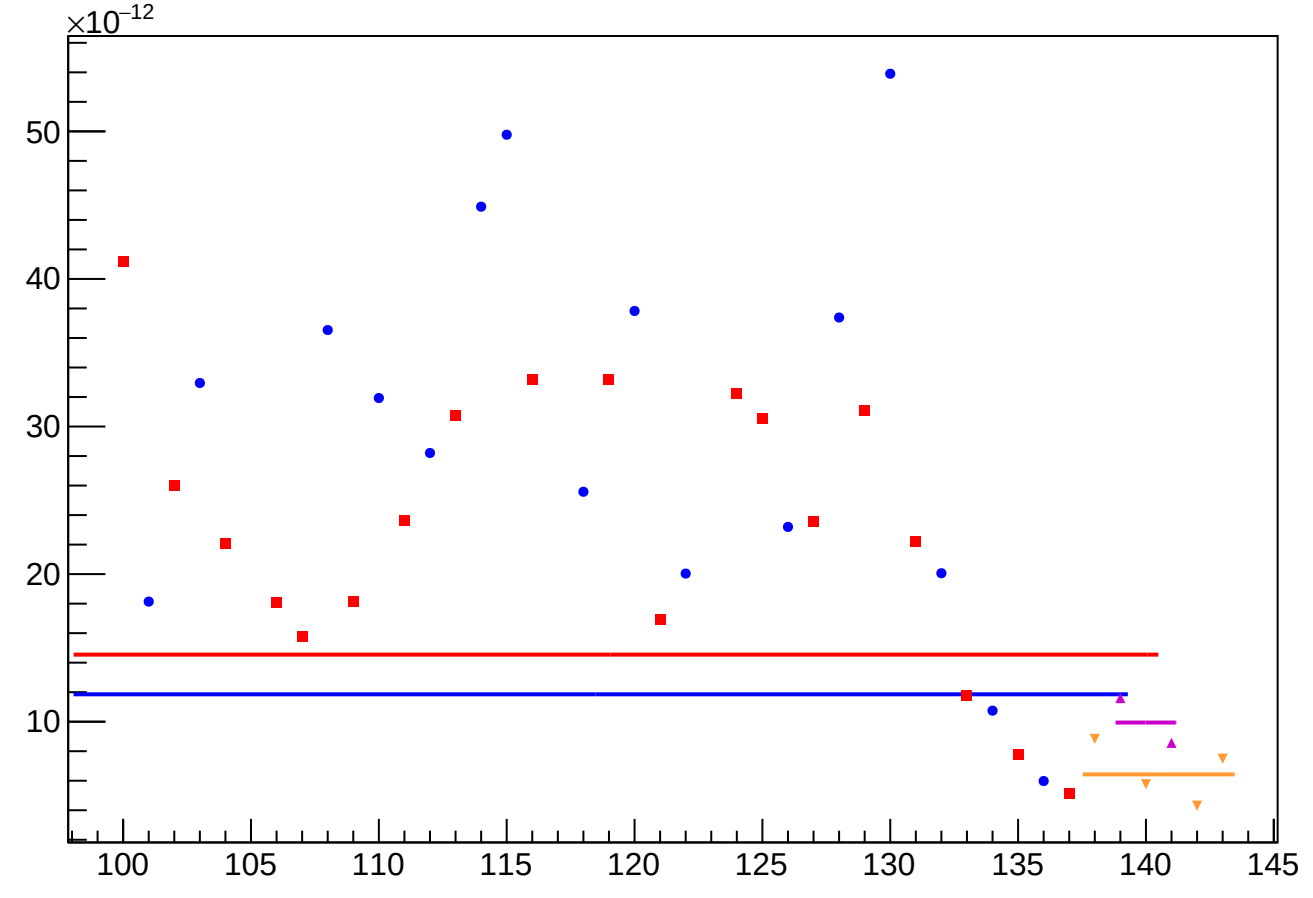
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 435.114+/-0.107 χ^2/NDF:1273467.3/17

Out: 431.393+/-0.098 χ^2/NDF:1333050.9/22

All: 433.097+/-0.072 χ^2/NDF: 2607175.9/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 21.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.4/3
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: 3.1/5
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:15.2/22
All: 0.000+/-0.000 χ²/NDF: 39.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:148357.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:39309.2/1

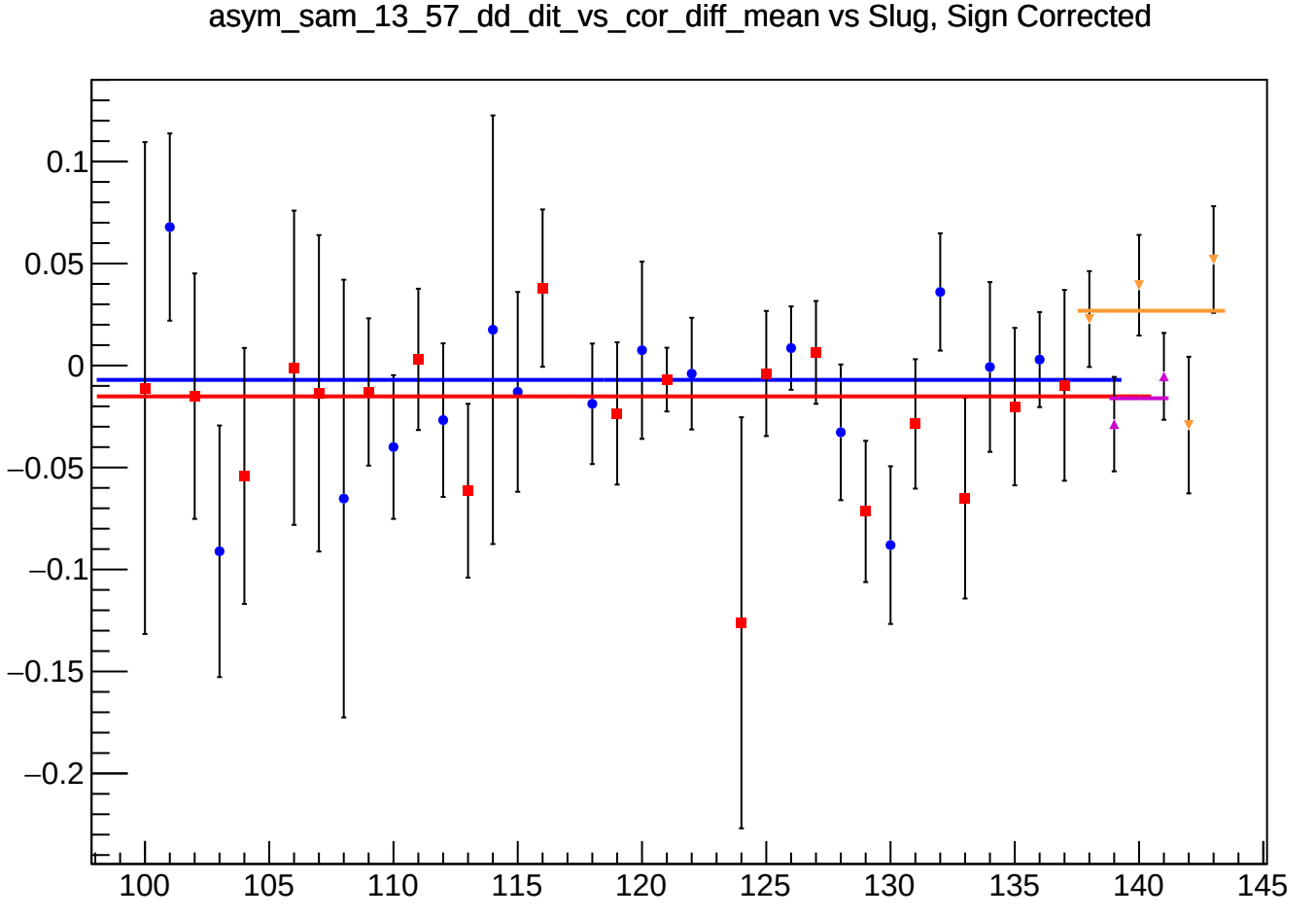
Left: 0.000+/-0.000 χ^2/NDF: 349638.8/5

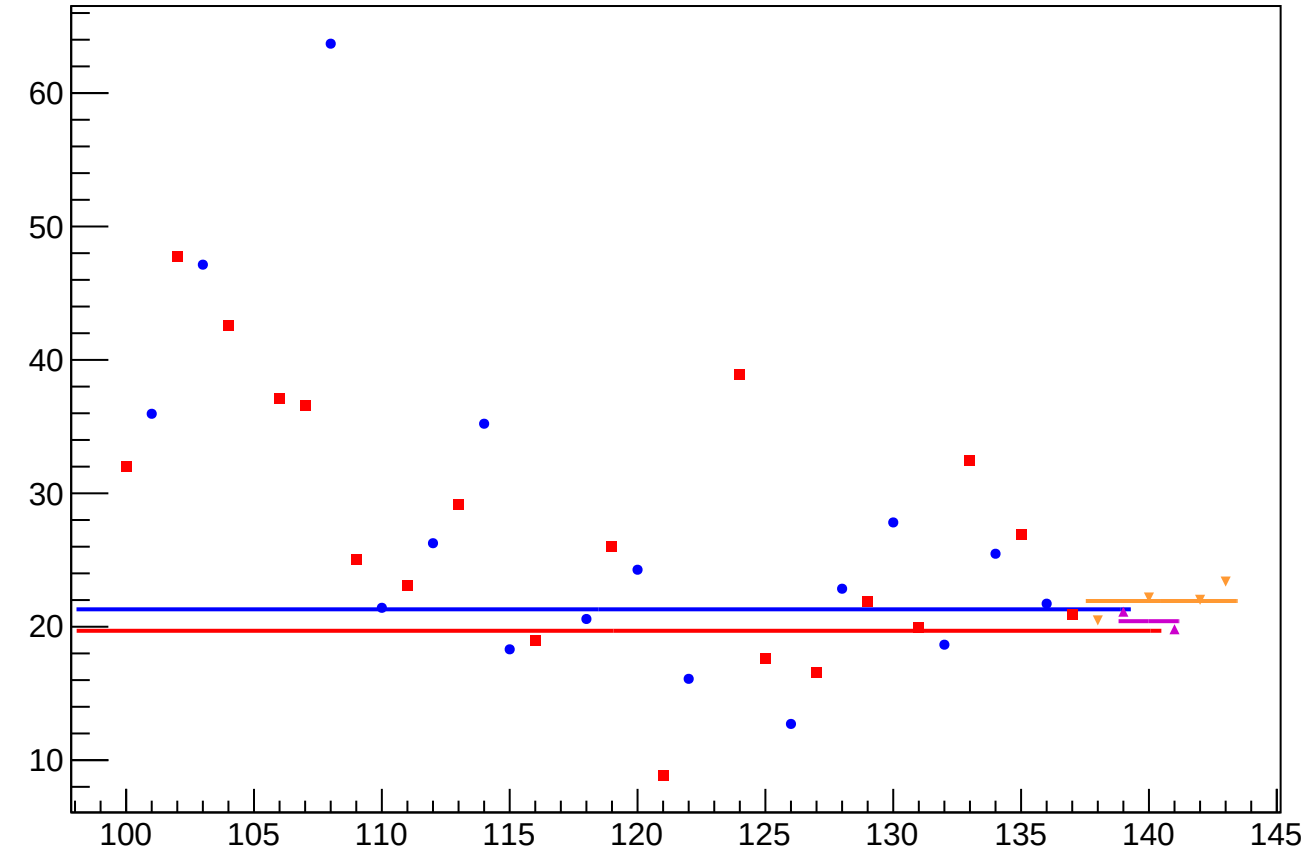
Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:2928081.0/17

Out: 0.000+/-0.000 χ^2/NDF:2994119.4/22

All: 0.000+/-0.000 χ^2/NDF: 6085376.3/40


asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
105
110
115
120
125
130
135
140
145
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.027+/-0.013 χ²/NDF:4.0/3
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.016+/-0.016 χ²/NDF:0.6/1
Left: 0.009+/-0.010 χ²/NDF: 9.0/5
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.009+/-0.008 χ²/NDF:15.1/17
Out: -0.003+/-0.007 χ²/NDF:21.4/22
All: -0.006+/-0.005 χ²/NDF: 36.9/40



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.929+/-0.009 χ^2/NDF:14116.1/3

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.416+/-0.011 χ^2/NDF:3512.6/1

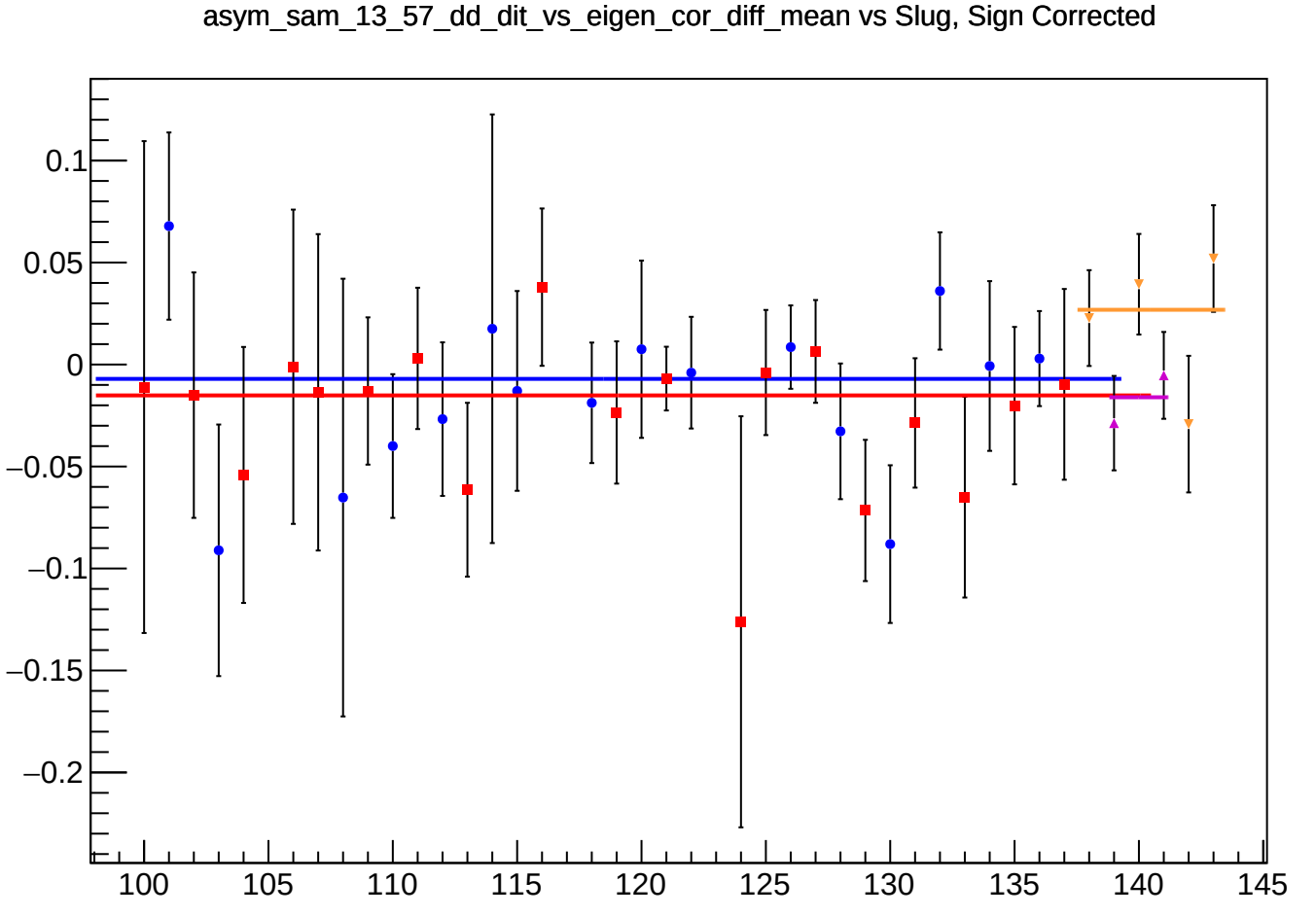
Left: 21.306+/-0.007 χ^2/NDF: 28595.9/5

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

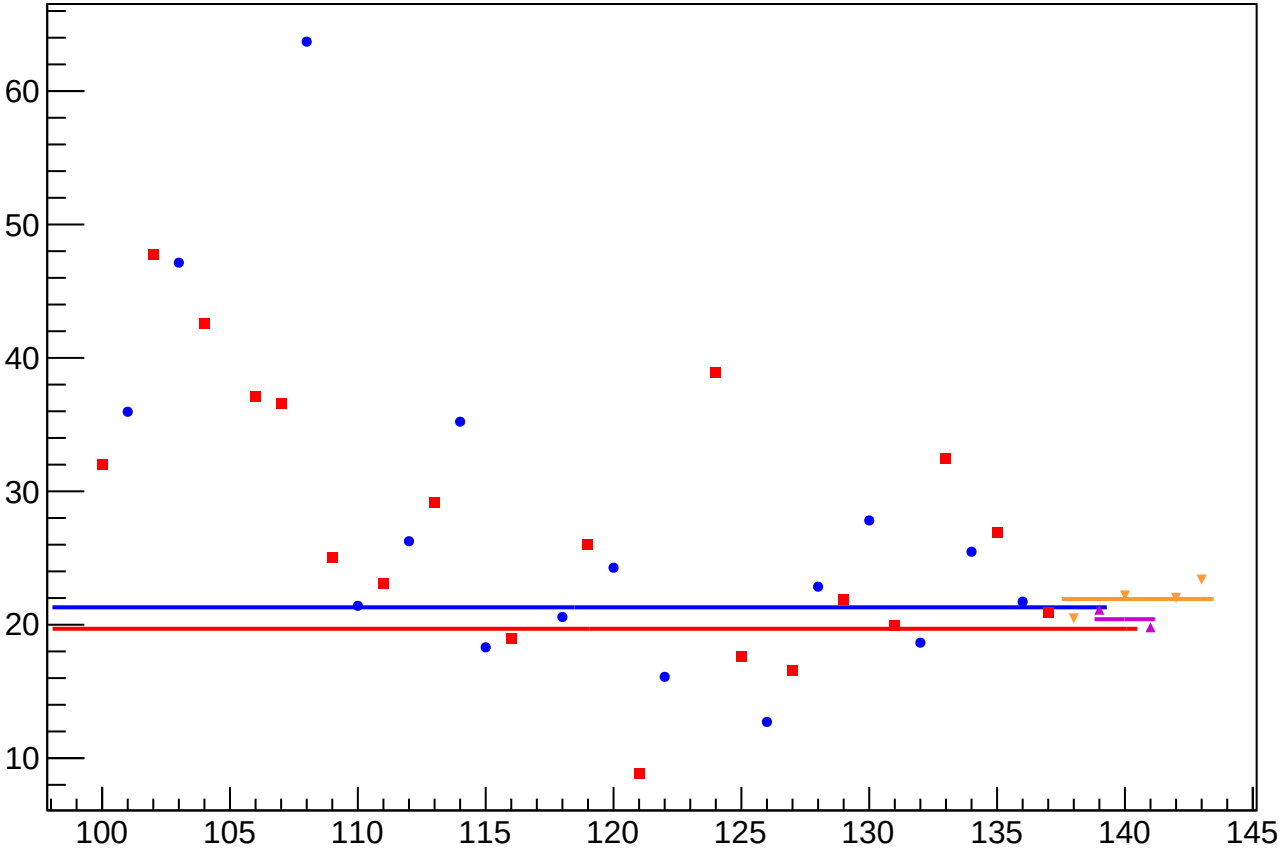
In: 21.099+/-0.005 χ^2/NDF:1487853.3/17

Out: 20.327+/-0.005 χ^2/NDF:2494682.9/22

All: 20.682+/-0.004 χ^2/NDF: 3993810.3/40


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
105
110
115
120
125
130
135
140
145
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.027+/-0.013 χ²/NDF:4.0/3
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.016+/-0.016 χ²/NDF:0.6/1
Left: 0.009+/-0.010 χ²/NDF: 9.0/5
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.009+/-0.008 χ²/NDF:15.1/17
Out: -0.003+/-0.007 χ²/NDF:21.4/22
All: -0.006+/-0.005 χ²/NDF: 36.9/40

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: 21.929+/-0.009 χ^2/NDF:14116.1/3

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.416+/-0.011 χ^2/NDF:3512.6/1

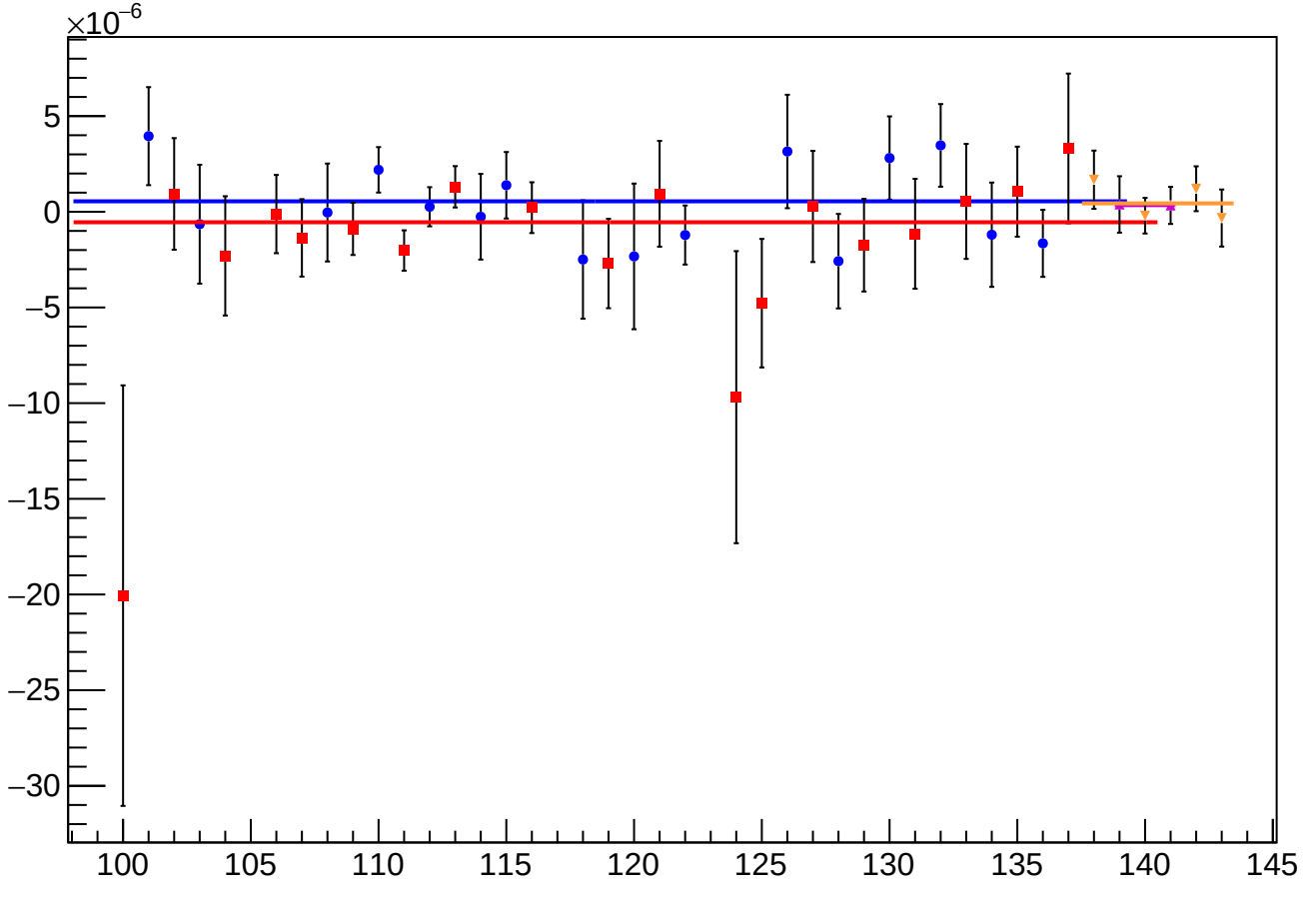
Left: 21.306+/-0.007 χ^2/NDF: 28595.9/5

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.099+/-0.005 χ^2/NDF:1487853.3/17

Out: 20.327+/-0.005 χ^2/NDF:2494682.9/22

All: 20.682+/-0.004 χ^2/NDF: 3993810.3/40



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

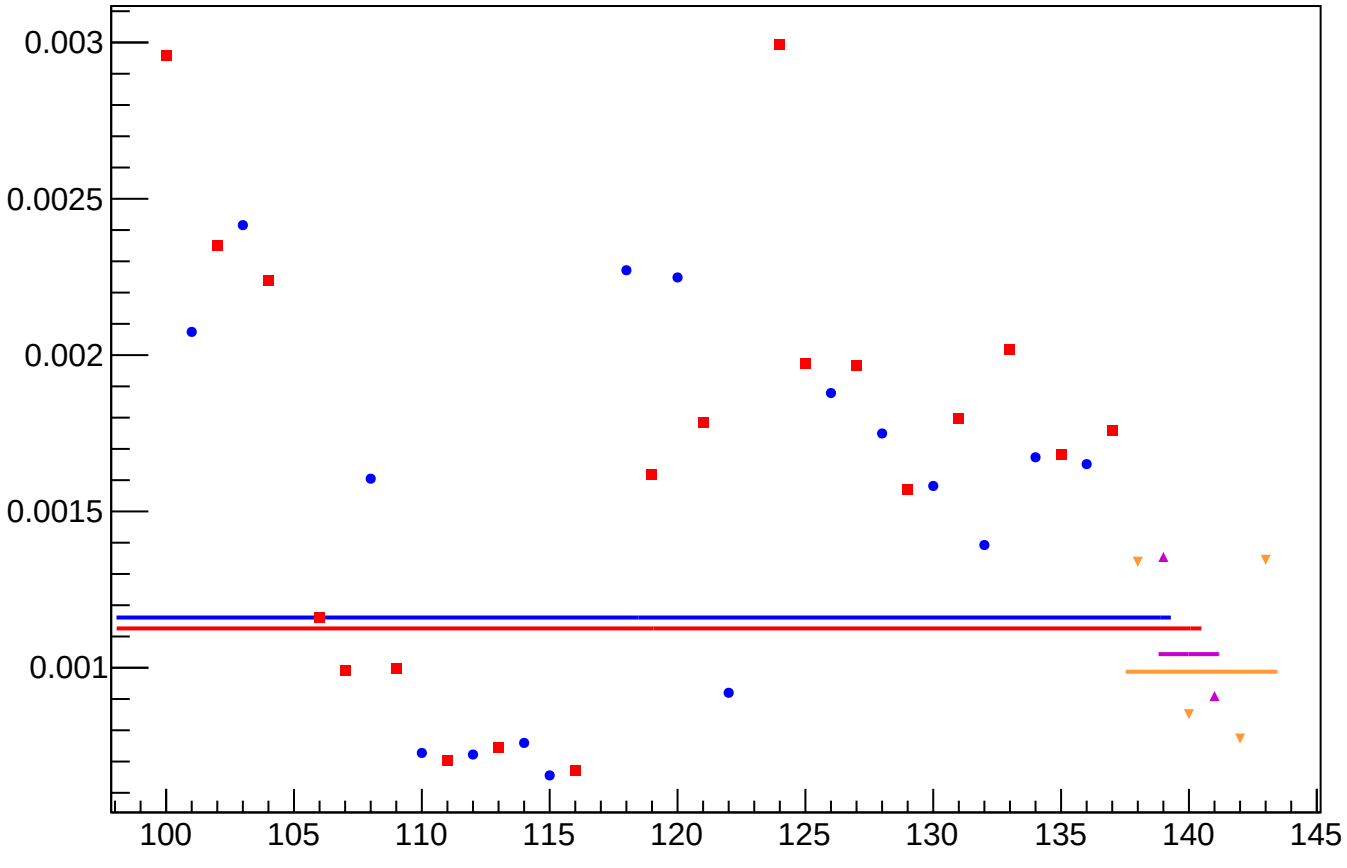
Left: 0.000+/-0.000 χ^2/NDF: 1.8/5

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:18.9/22

All: 0.000+/-0.000 χ^2/NDF: 34.9/40



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:331298.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:127300.6/1

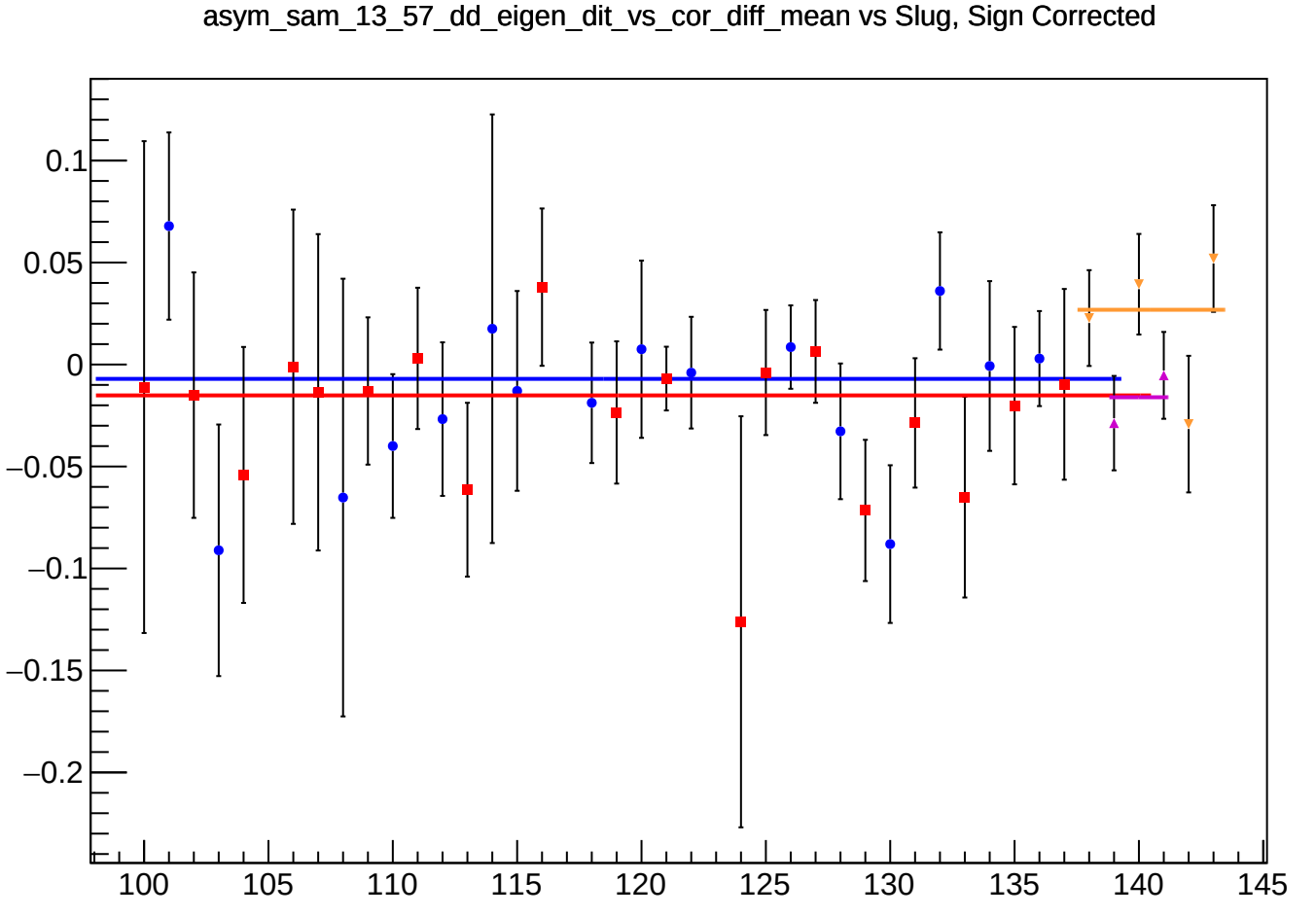
Left: 0.001+/-0.000 χ^2/NDF: 464838.9/5

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:3022423.4/22

All: 0.001+/-0.000 χ^2/NDF: 5735666.5/40



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

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: 0.009+/-0.010 χ^2/NDF: 9.0/5

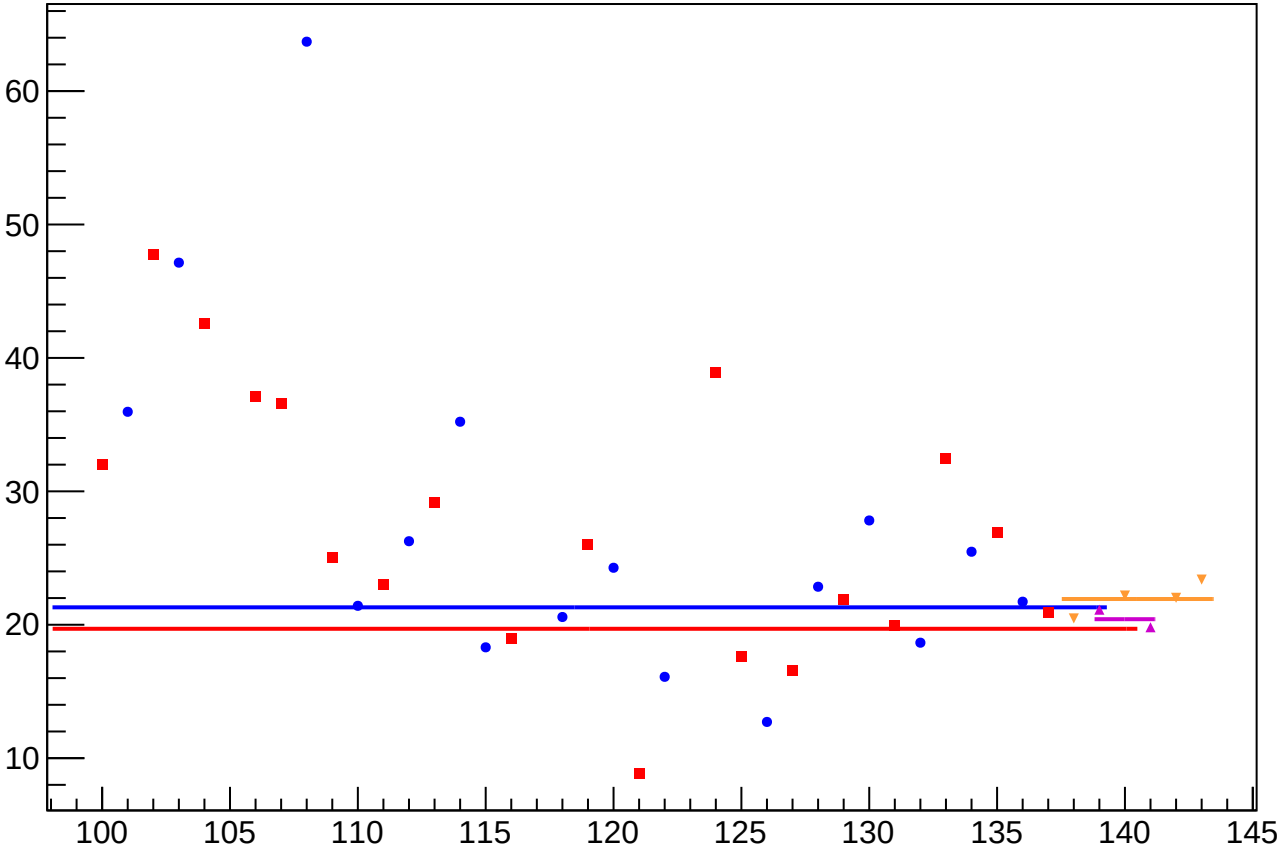
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.008 χ^2/NDF:15.1/17

Out: -0.003+/-0.007 χ^2/NDF:21.4/22

All: -0.006+/-0.005 χ^2/NDF: 36.9/40

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: 21.930+/-0.009 χ^2/NDF:14111.8/3

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.417+/-0.011 χ^2/NDF:3510.5/1

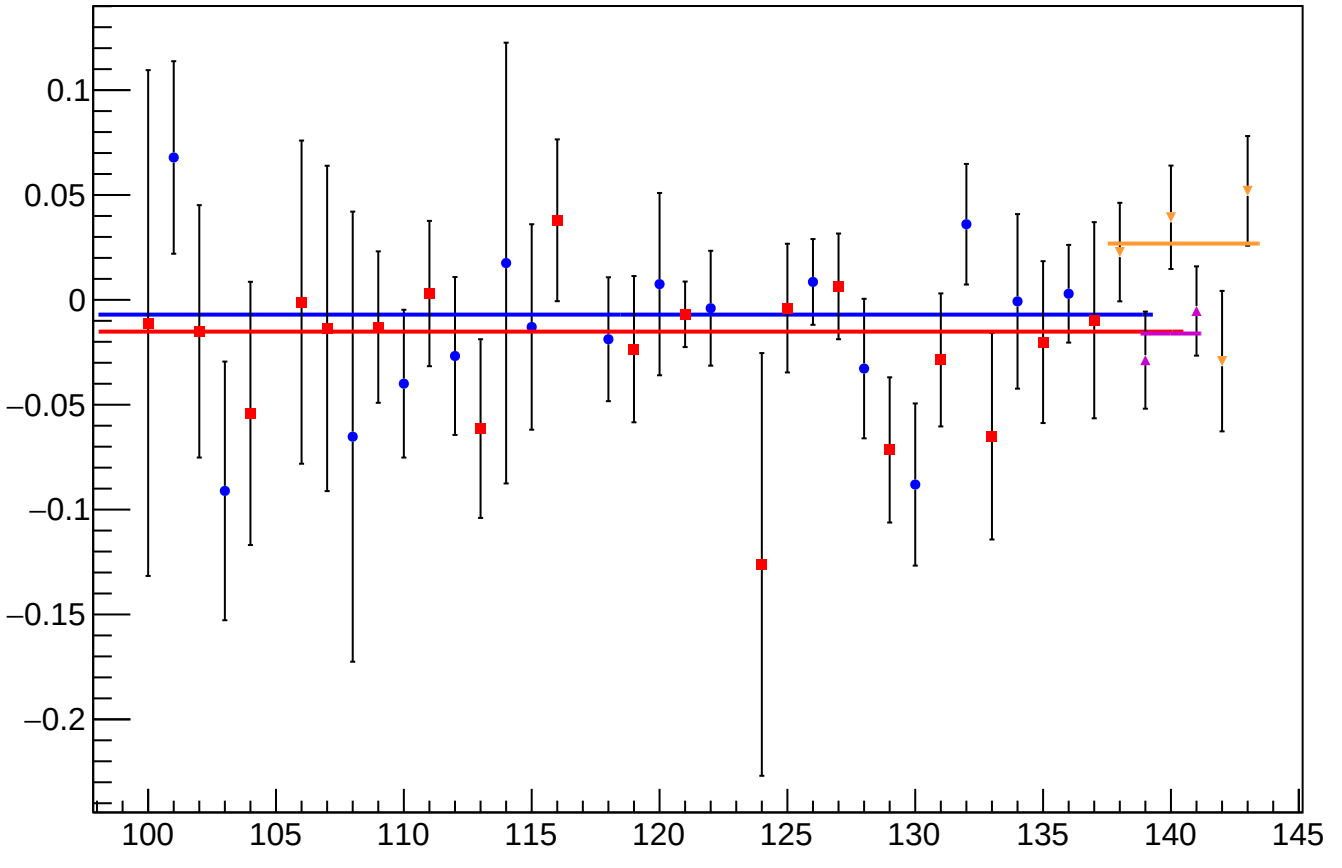
Left: 21.306+/-0.007 χ^2/NDF: 28587.3/5

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.099+/-0.005 χ^2/NDF:1487683.0/17

Out: 20.327+/-0.005 χ^2/NDF:2494296.5/22

All: 20.682+/-0.004 χ^2/NDF: 3993246.8/40



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.013 χ^2/NDF:4.0/3

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: 0.009+/-0.010 χ^2/NDF: 9.0/5

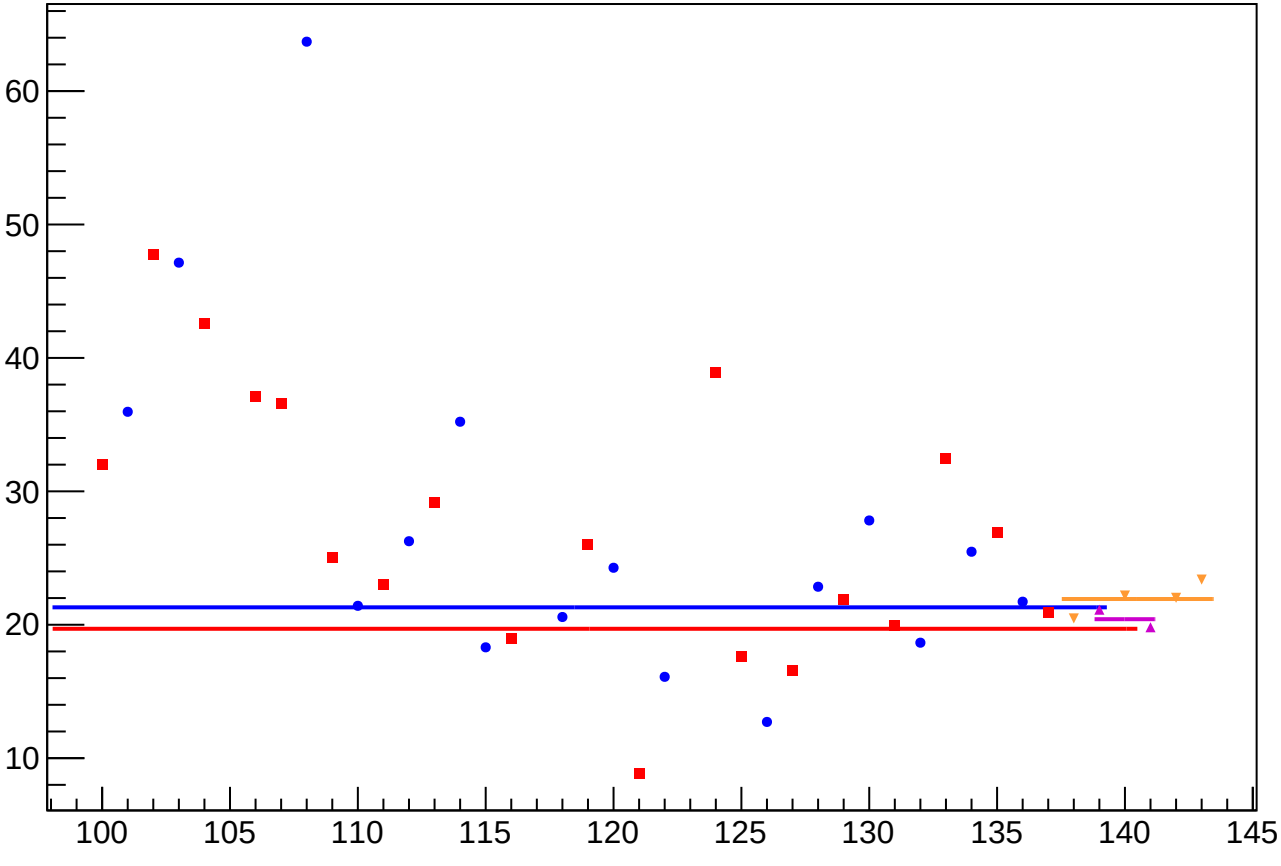
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.009+/-0.008 χ^2/NDF:15.1/17

Out: -0.003+/-0.007 χ^2/NDF:21.4/22

All: -0.006+/-0.005 χ^2/NDF: 36.9/40

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: 21.930+/-0.009 χ^2/NDF:14111.8/3

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.417+/-0.011 χ^2/NDF:3510.5/1

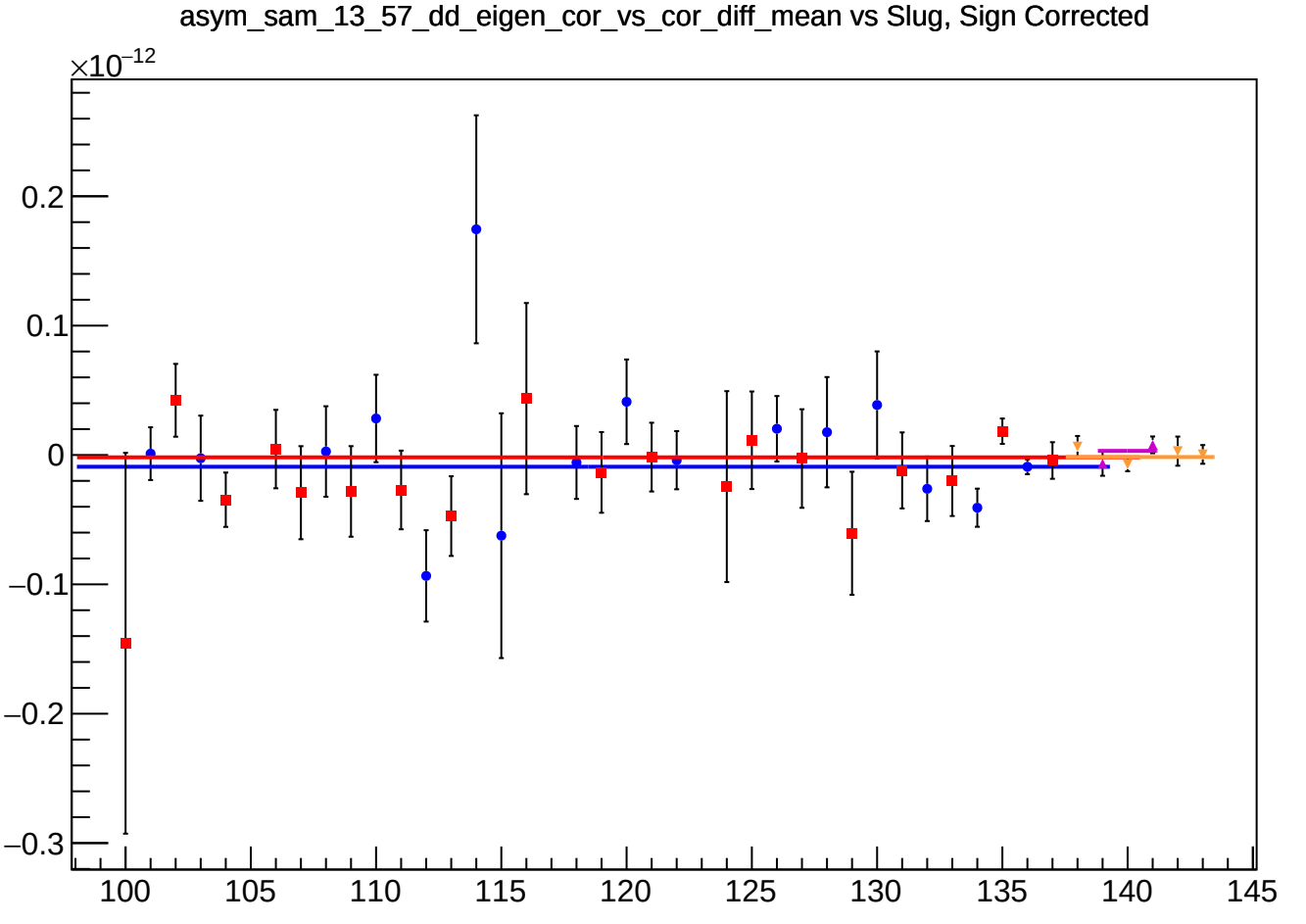
Left: 21.306+/-0.007 χ^2/NDF: 28587.3/5

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.099+/-0.005 χ^2/NDF:1487683.0/17

Out: 20.327+/-0.005 χ^2/NDF:2494296.5/22

All: 20.682+/-0.004 χ^2/NDF: 3993246.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

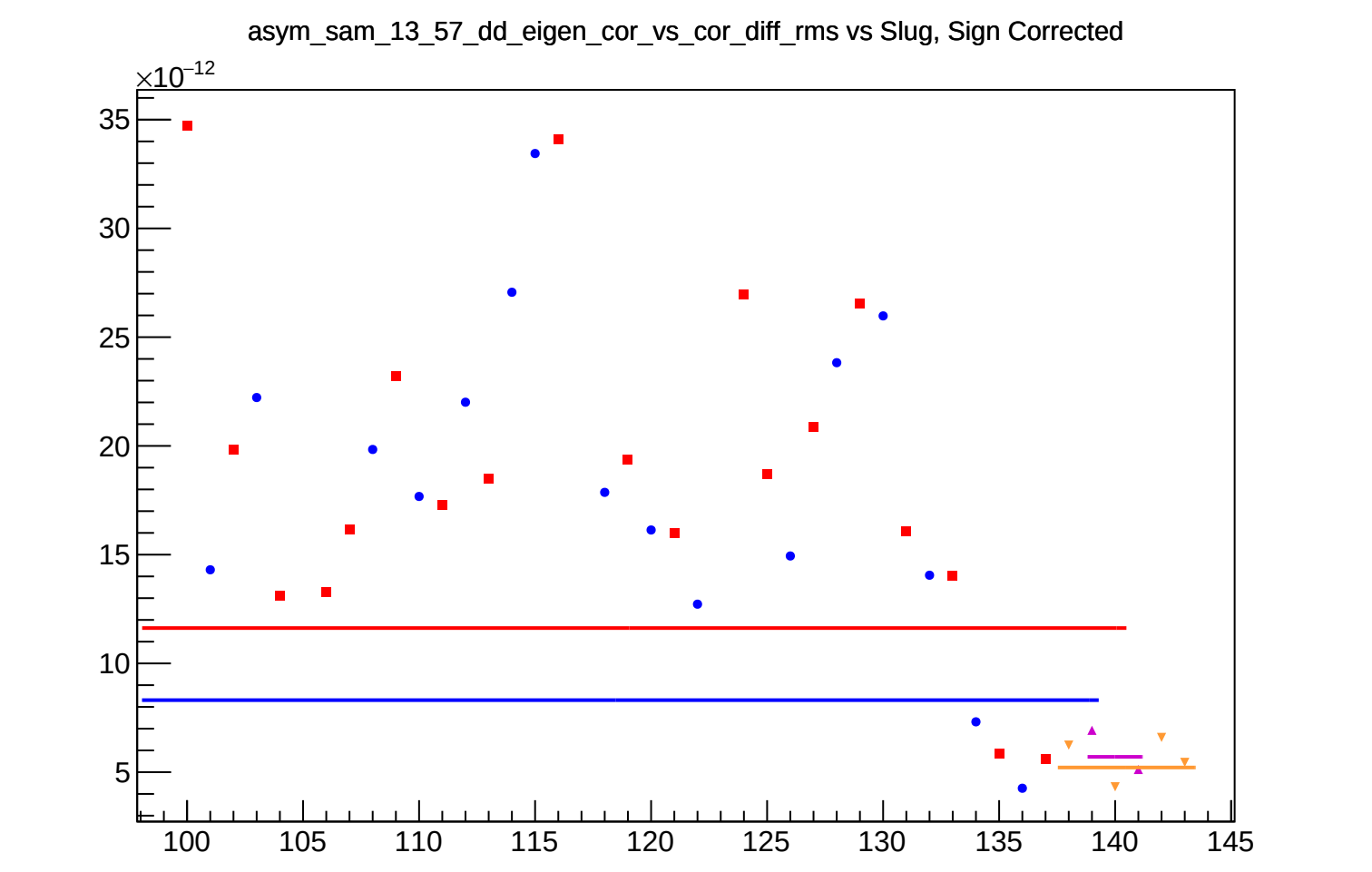
Left: -0.000+/-0.000 χ^2/NDF: 4.4/5

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:19.3/22

All: -0.000+/-0.000 χ^2/NDF: 46.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:117497.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:49774.1/1

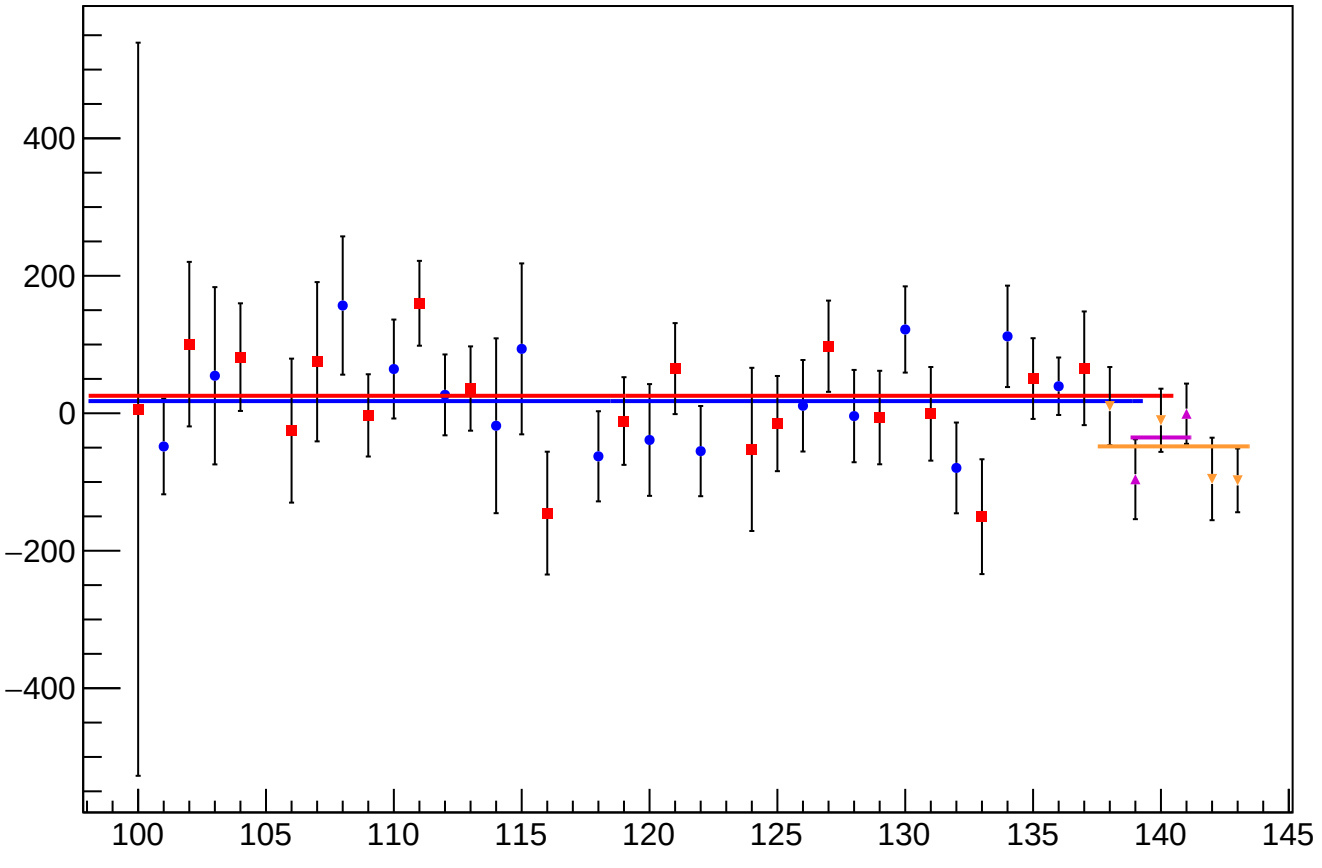
Left: 0.000+/-0.000 χ^2/NDF: 178792.3/5

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:4535825.8/22

All: 0.000+/-0.000 χ^2/NDF: 8598982.7/40



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.175+/-25.604 χ^2/NDF:3.5/3

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -35.200+/-34.993 χ^2/NDF:1.7/1

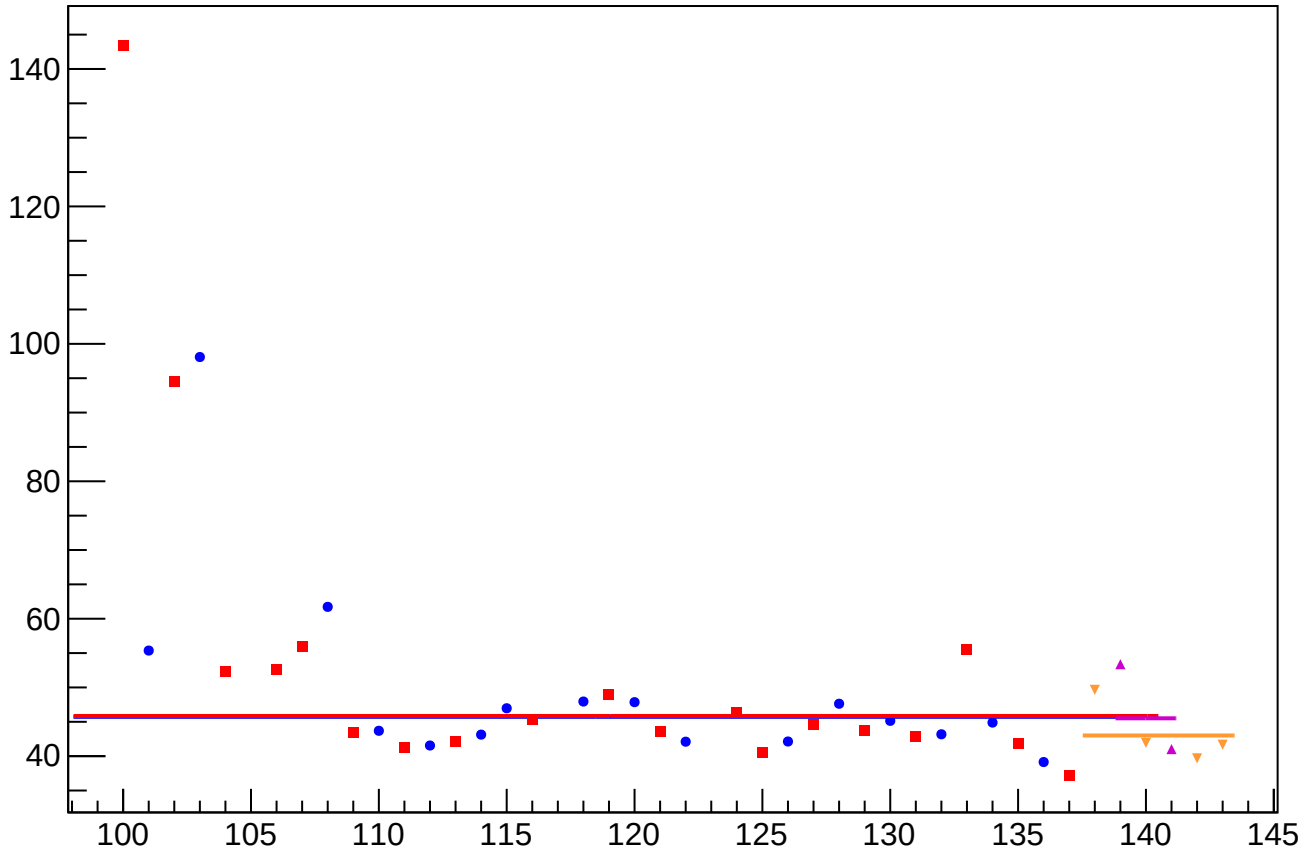
Left: -43.651+/-20.663 χ^2/NDF: 5.3/5

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: 7.146+/-15.630 χ^2/NDF:17.5/17

Out: 2.298+/-14.355 χ^2/NDF:27.0/22

All: 4.516+/-10.573 χ^2/NDF: 44.6/40



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

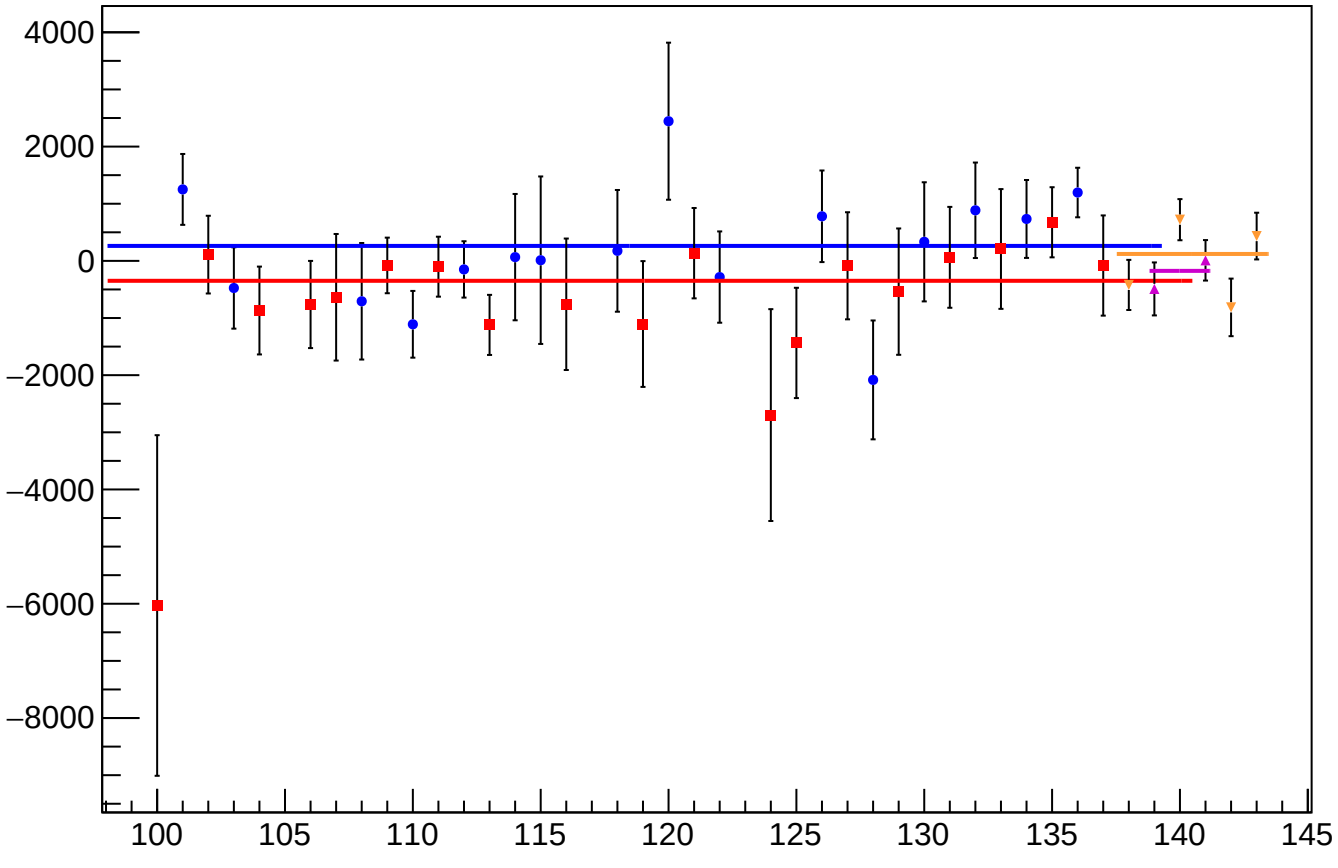
Left: 43.880+/-0.015 χ^2/NDF: 100518.1/5

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 45.683+/-0.011 χ^2/NDF:559153.5/17

Out: 44.956+/-0.010 χ^2/NDF:593278.6/22

All: 45.289+/-0.007 χ^2/NDF: 1154779.3/40



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 121.088+/-209.219 χ^2/NDF:8.3/3

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -174.866+/-281.460 χ^2/NDF:0.7/1

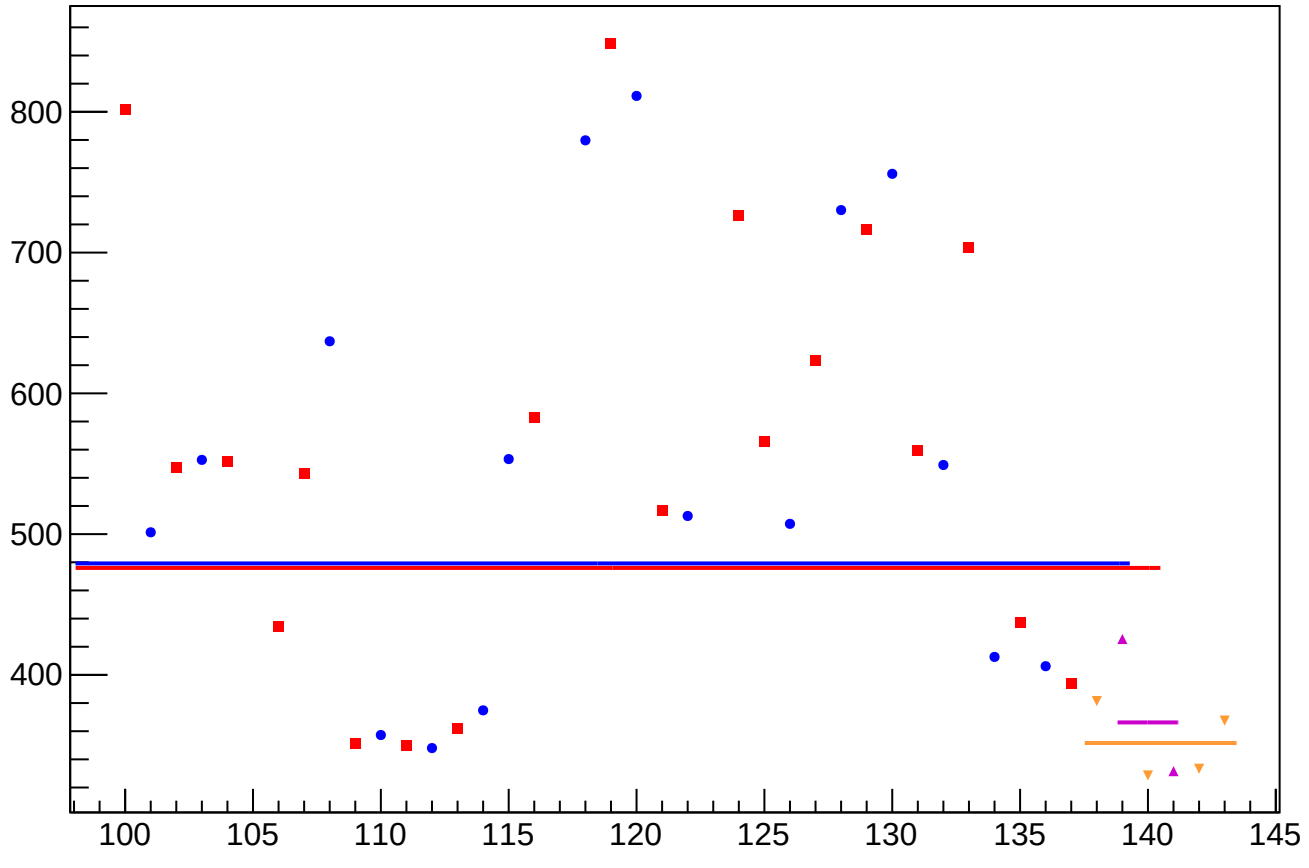
Left: 15.759+/-167.911 χ^2/NDF: 9.8/5

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 129.953+/-154.718 χ^2/NDF:27.4/17

Out: -147.998+/-136.746 χ^2/NDF:26.2/22

All: -26.096+/-102.462 χ^2/NDF: 55.3/40



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 351.625+/-0.148 χ^2/NDF:23090.7/3

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 366.239+/-0.199 χ^2/NDF:51790.7/1

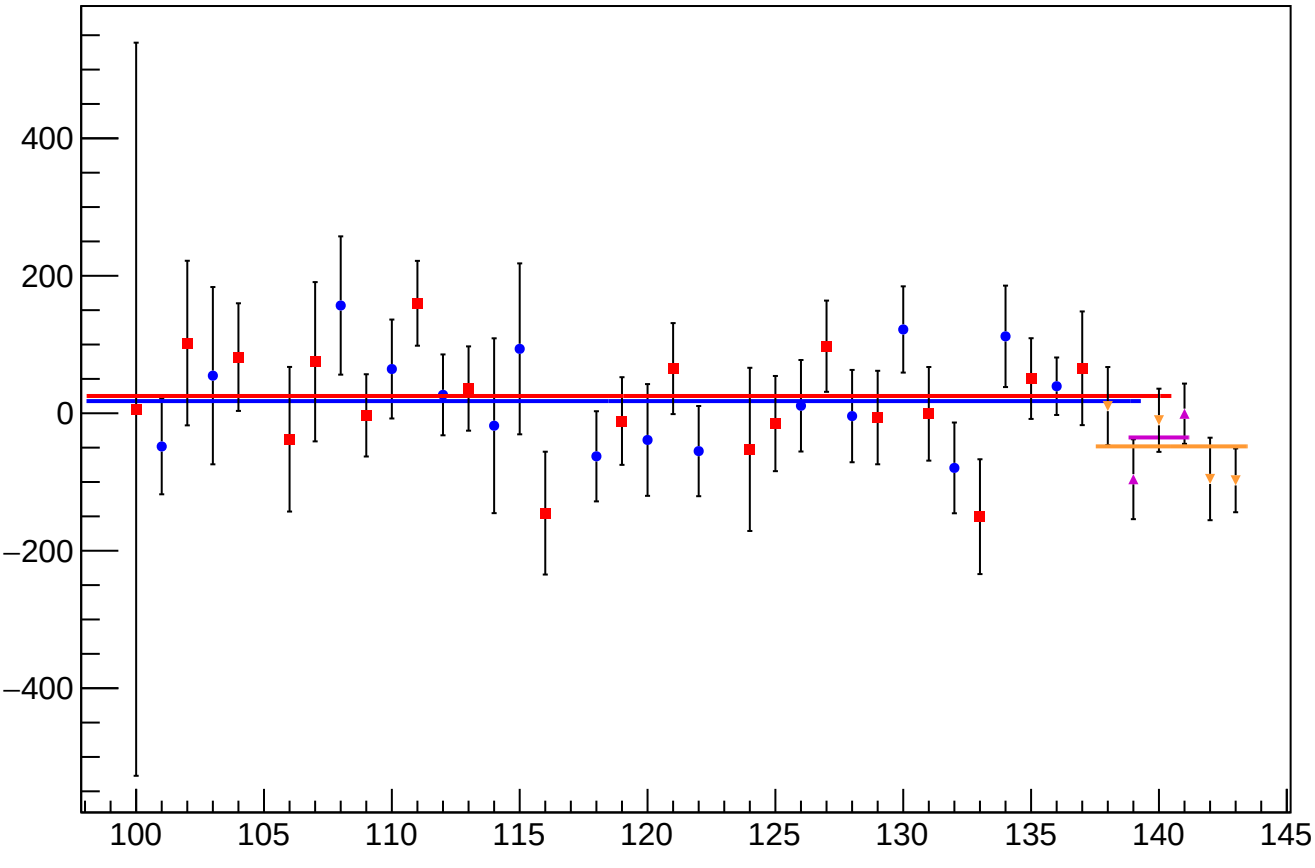
Left: 356.826+/-0.119 χ^2/NDF: 78354.1/5

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 445.051+/-0.109 χ^2/NDF:1229200.5/17

Out: 422.862+/-0.097 χ^2/NDF:1434378.8/22

All: 432.594+/-0.072 χ^2/NDF: 2686673.5/40



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.174+/-25.604 χ^2/NDF:3.5/3

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -35.196+/-34.993 χ^2/NDF:1.7/1

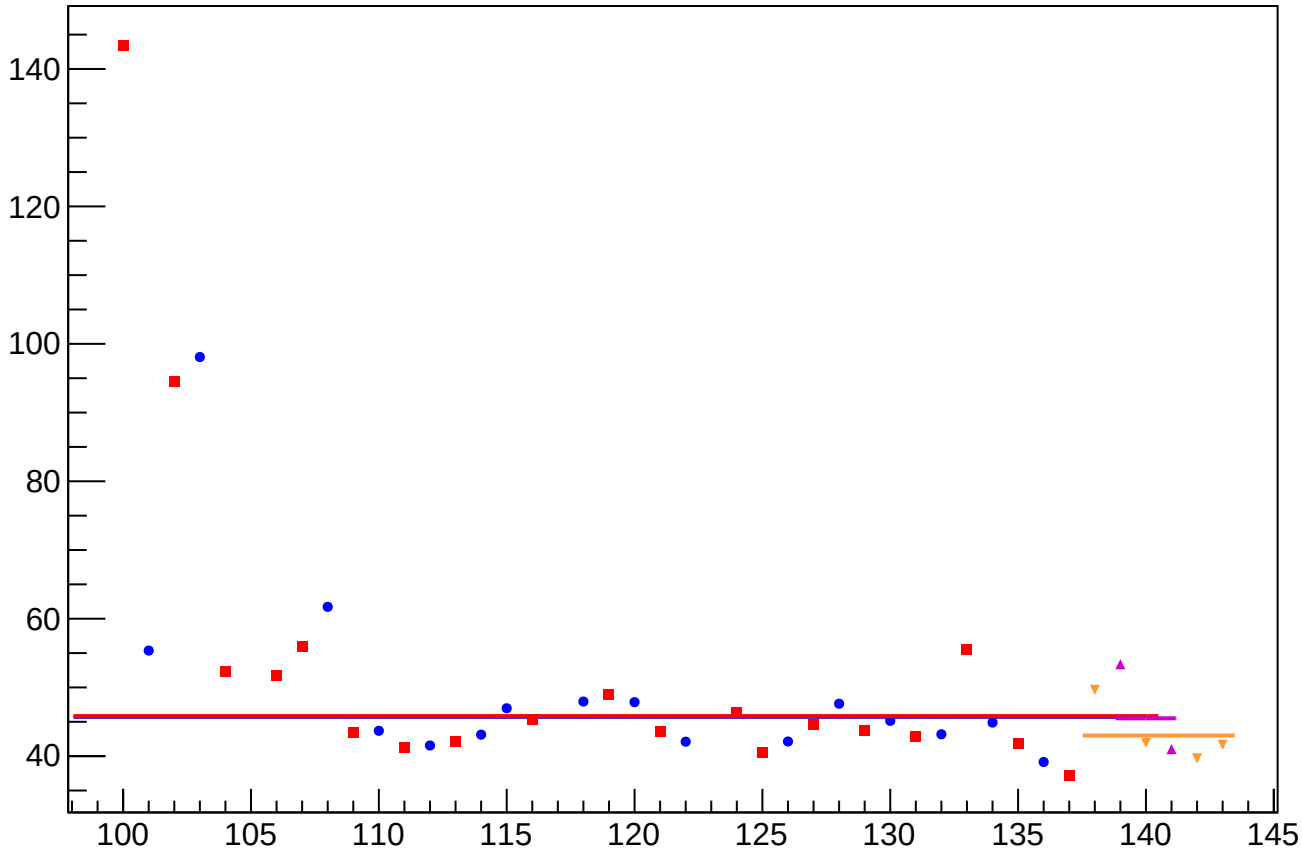
Left: -43.649+/-20.663 χ^2/NDF: 5.3/5

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 7.151+/-15.630 χ^2/NDF:17.5/17

Out: 2.092+/-14.357 χ^2/NDF:27.1/22

All: 4.407+/-10.573 χ^2/NDF: 44.7/40



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

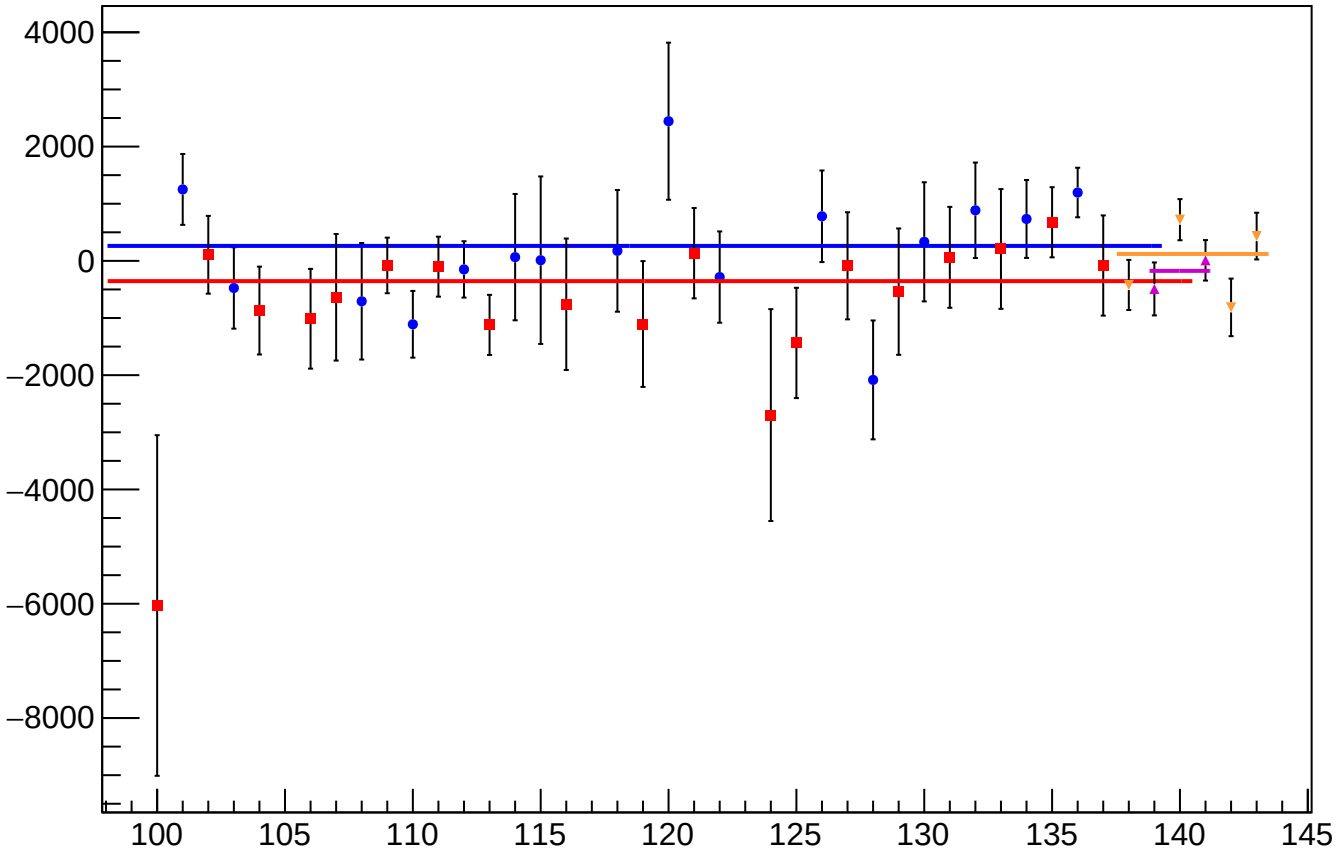
Left: 43.880+/-0.015 χ^2/NDF: 100518.1/5

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 45.683+/-0.011 χ^2/NDF:559156.6/17

Out: 44.940+/-0.010 χ^2/NDF:591308.6/22

All: 45.280+/-0.007 χ^2/NDF: 1152920.0/40



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 121.087+/-209.219 χ^2/NDF:8.3/3

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -174.864+/-281.461 χ^2/NDF:0.7/1

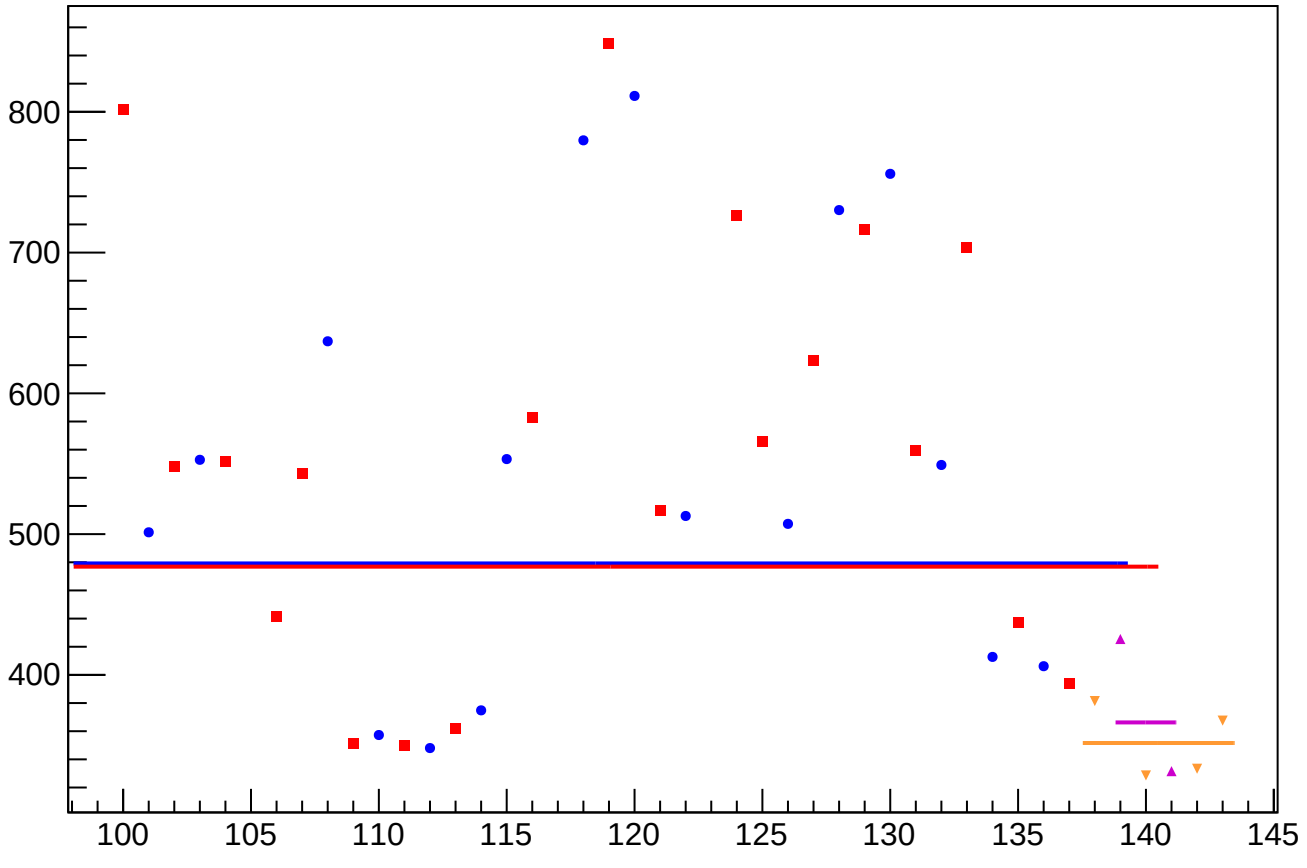
Left: 15.759+/-167.911 χ^2/NDF: 9.8/5

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 129.956+/-154.719 χ^2/NDF:27.4/17

Out: -149.592+/-137.273 χ^2/NDF:26.5/22

All: -26.461+/-102.683 χ^2/NDF: 55.7/40



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 351.625+/-0.148 χ^2/NDF:23091.3/3

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 366.239+/-0.199 χ^2/NDF:51789.7/1

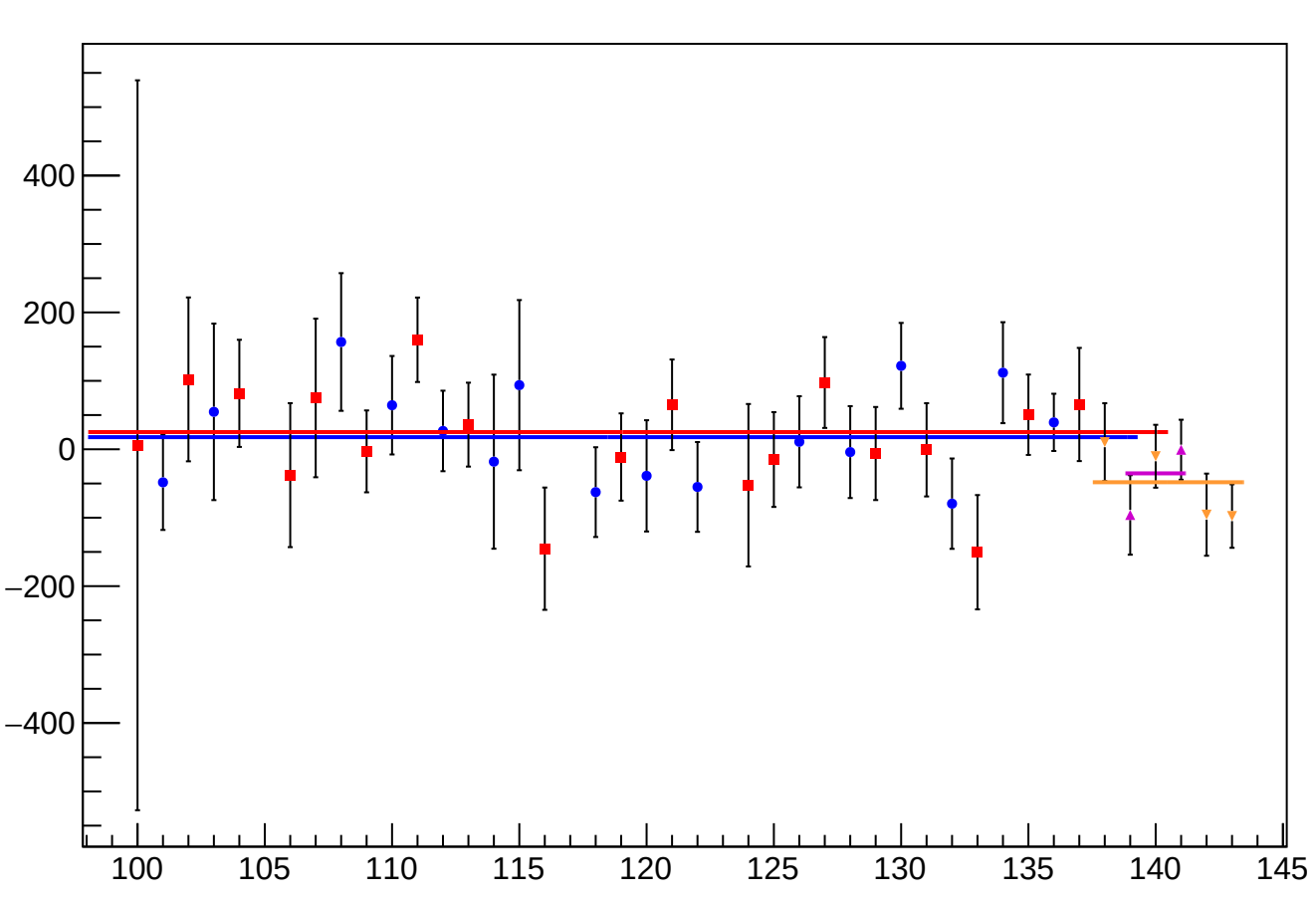
Left: 356.826+/-0.119 χ^2/NDF: 78354.1/5

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 445.053+/-0.109 χ^2/NDF:1229233.1/17

Out: 422.965+/-0.097 χ^2/NDF:1435181.8/22

All: 432.694+/-0.073 χ^2/NDF: 2687221.6/40



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -48.174+/-25.604 χ^2/NDF:3.5/3

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -35.196+/-34.993 χ^2/NDF:1.7/1

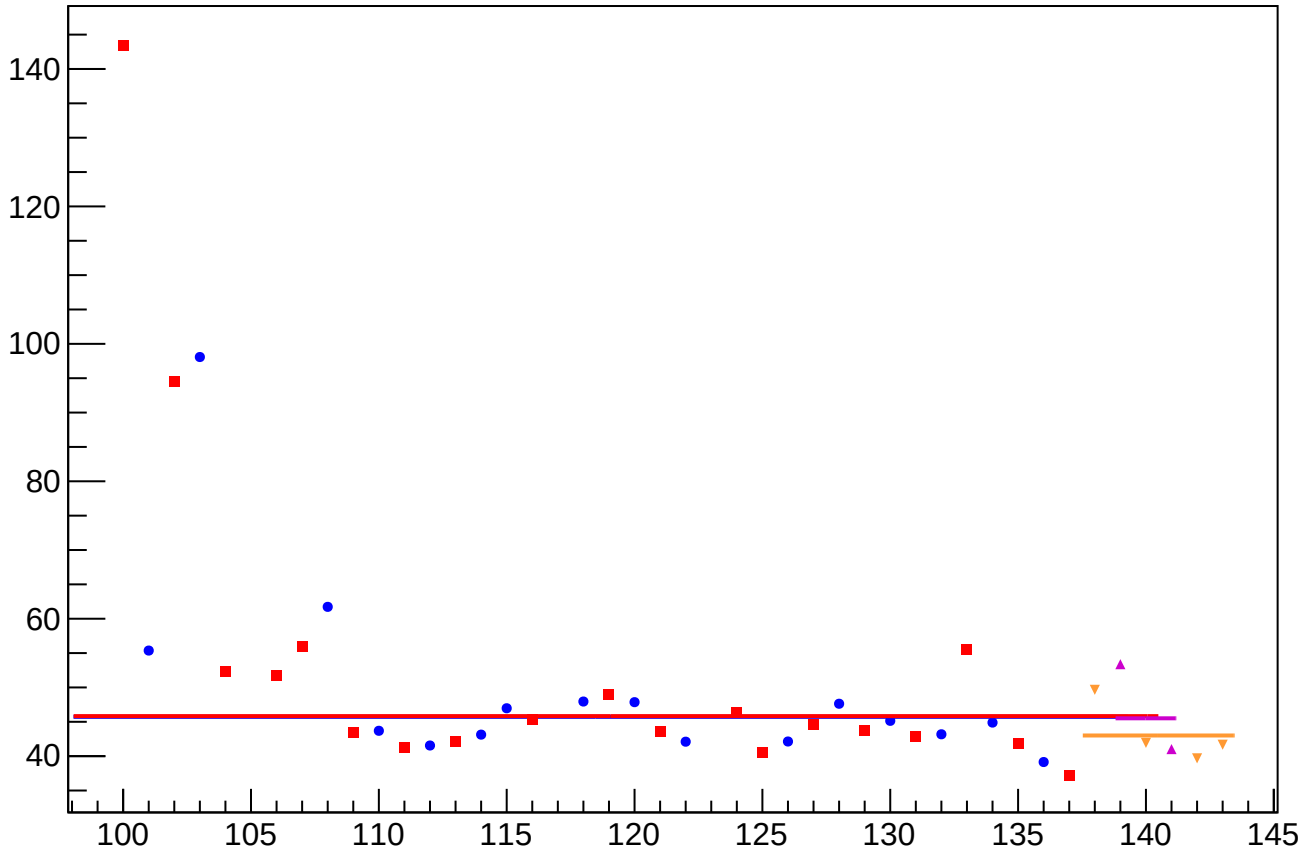
Left: -43.649+/-20.663 χ^2/NDF: 5.3/5

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: 7.151+/-15.630 χ^2/NDF:17.5/17

Out: 2.092+/-14.357 χ^2/NDF:27.1/22

All: 4.407+/-10.573 χ^2/NDF: 44.7/40



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 43.008+/-0.018 χ^2/NDF:36237.6/3

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 45.508+/-0.025 χ^2/NDF:57630.5/1

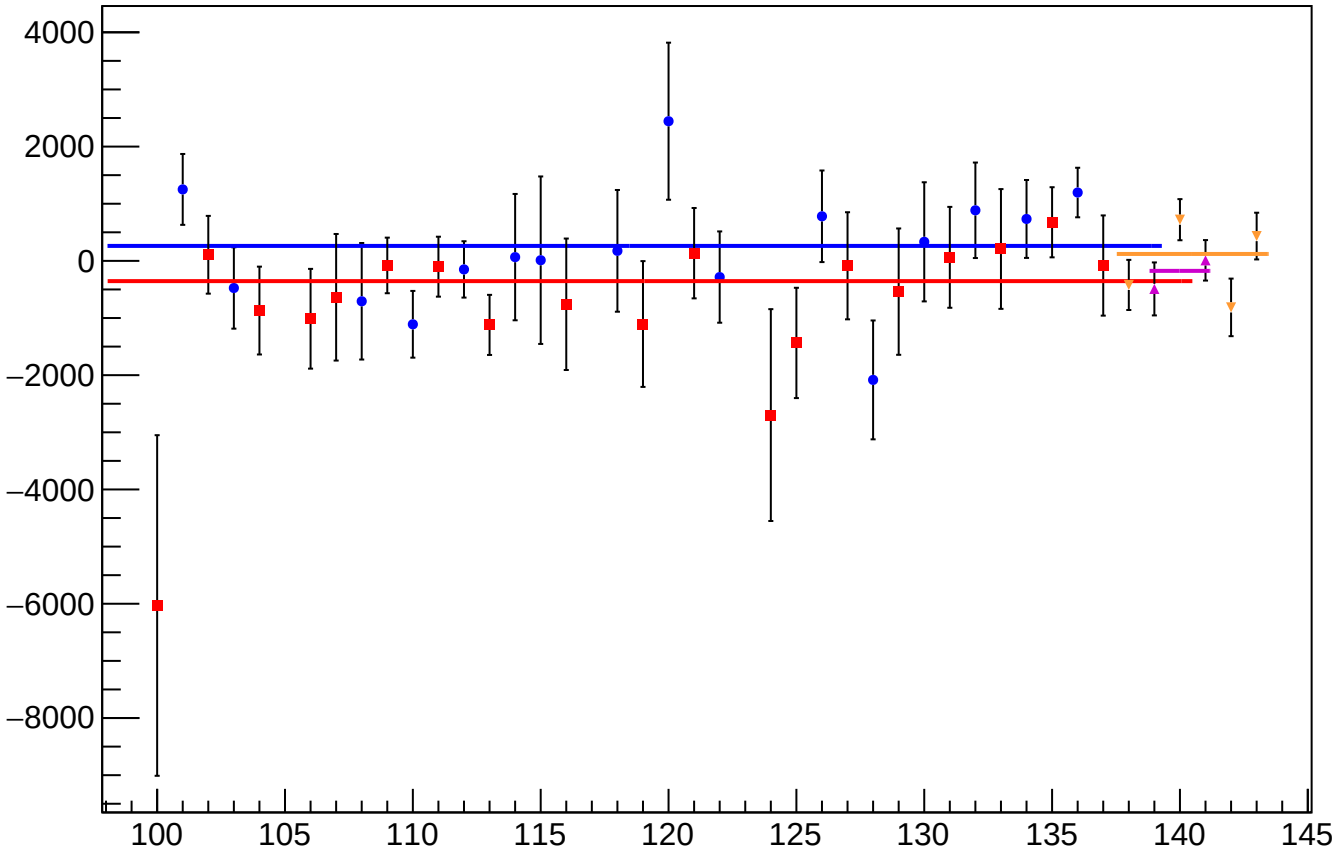
Left: 43.880+/-0.015 χ^2/NDF: 100518.1/5

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 45.683+/-0.011 χ^2/NDF:559156.6/17

Out: 44.940+/-0.010 χ^2/NDF:591308.6/22

All: 45.280+/-0.007 χ^2/NDF: 1152920.0/40



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 121.087+/-209.219 χ^2/NDF:8.3/3

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -174.864+/-281.461 χ^2/NDF:0.7/1

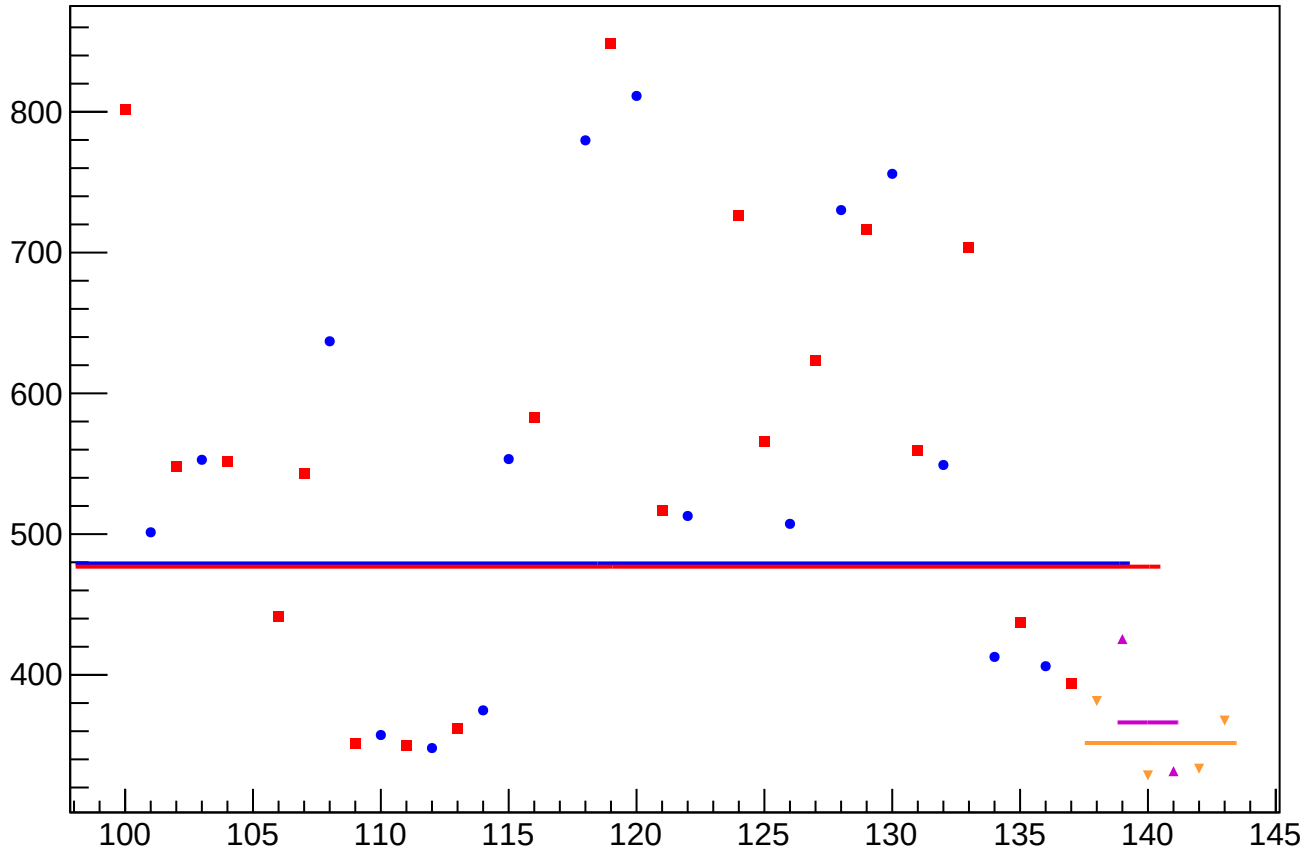
Left: 15.759+/-167.911 χ^2/NDF: 9.8/5

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 129.956+/-154.719 χ^2/NDF:27.4/17

Out: -149.592+/-137.273 χ^2/NDF:26.5/22

All: -26.461+/-102.683 χ^2/NDF: 55.7/40



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 351.625+/-0.148 χ^2/NDF:23091.3/3

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 366.239+/-0.199 χ^2/NDF:51789.7/1

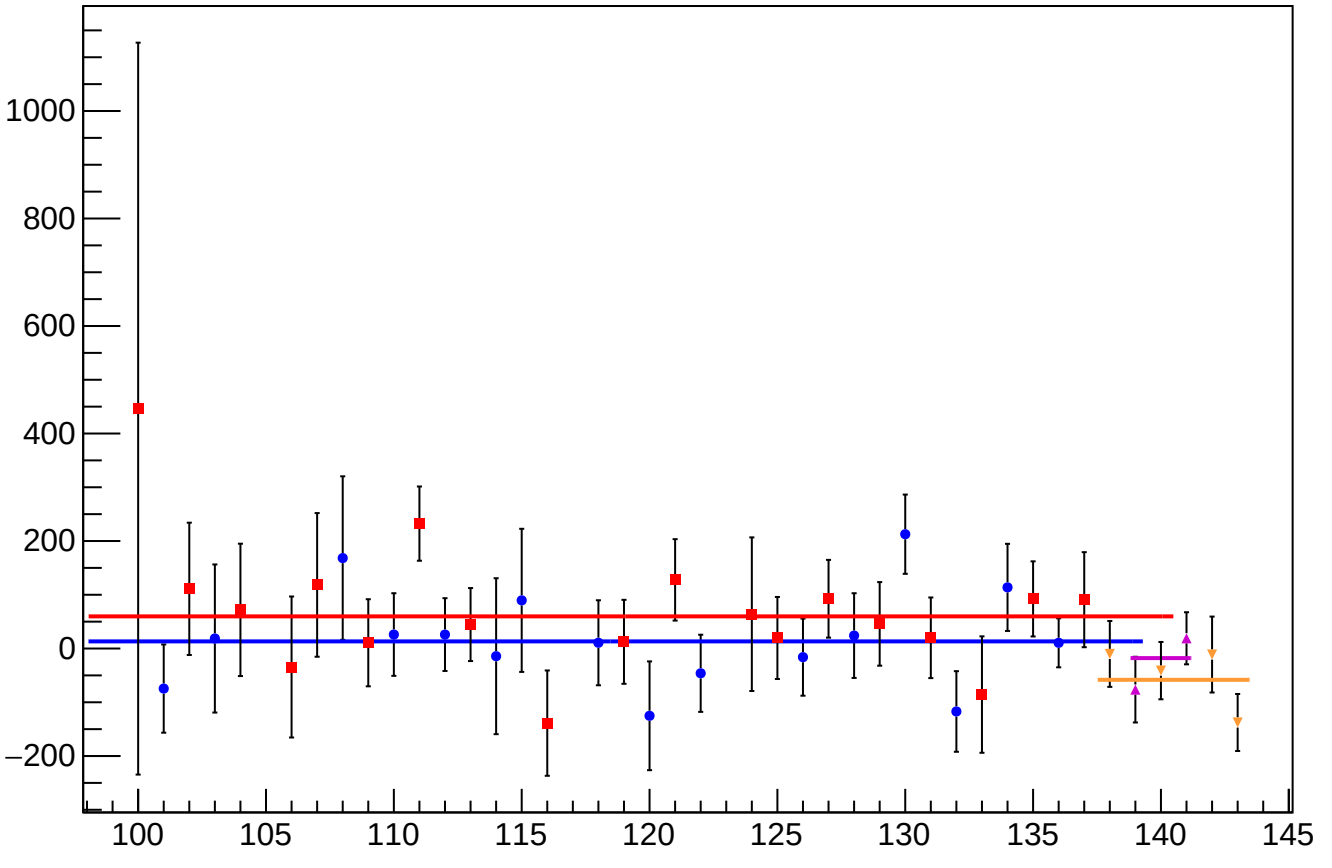
Left: 356.826+/-0.119 χ^2/NDF: 78354.1/5

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 445.053+/-0.109 χ^2/NDF:1229233.1/17

Out: 422.965+/-0.097 χ^2/NDF:1435181.8/22

All: 432.694+/-0.073 χ^2/NDF: 2687221.6/40



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.185+/-29.191 χ^2/NDF:3.4/3

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -17.818+/-37.971 χ^2/NDF:1.5/1

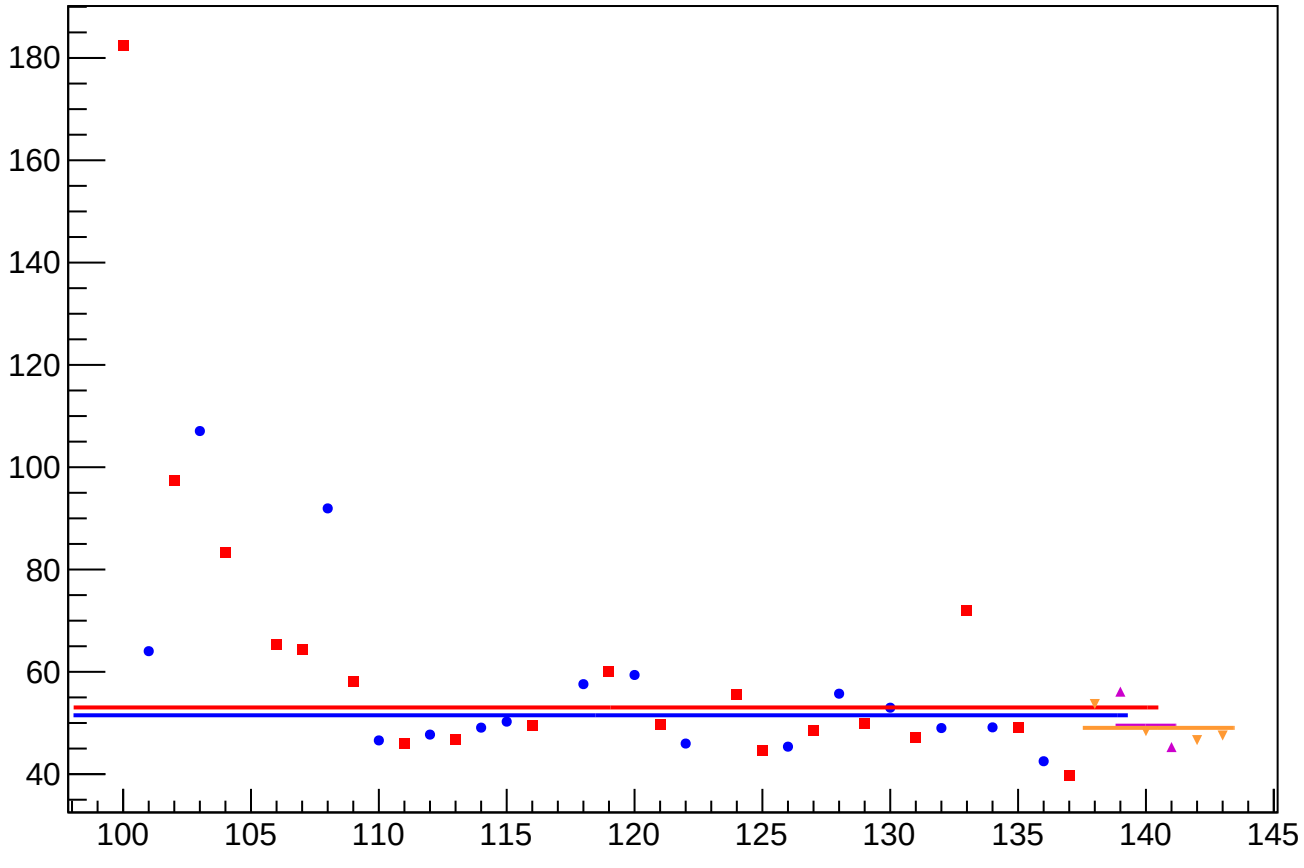
Left: -43.190+/-23.143 χ^2/NDF: 5.6/5

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 6.595+/-17.591 χ^2/NDF:19.3/17

Out: 21.517+/-16.630 χ^2/NDF:30.5/22

All: 14.475+/-12.084 χ^2/NDF: 50.2/40



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 49.047+/-0.021 χ^2/NDF:15732.5/3

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 49.476+/-0.027 χ^2/NDF:38585.6/1

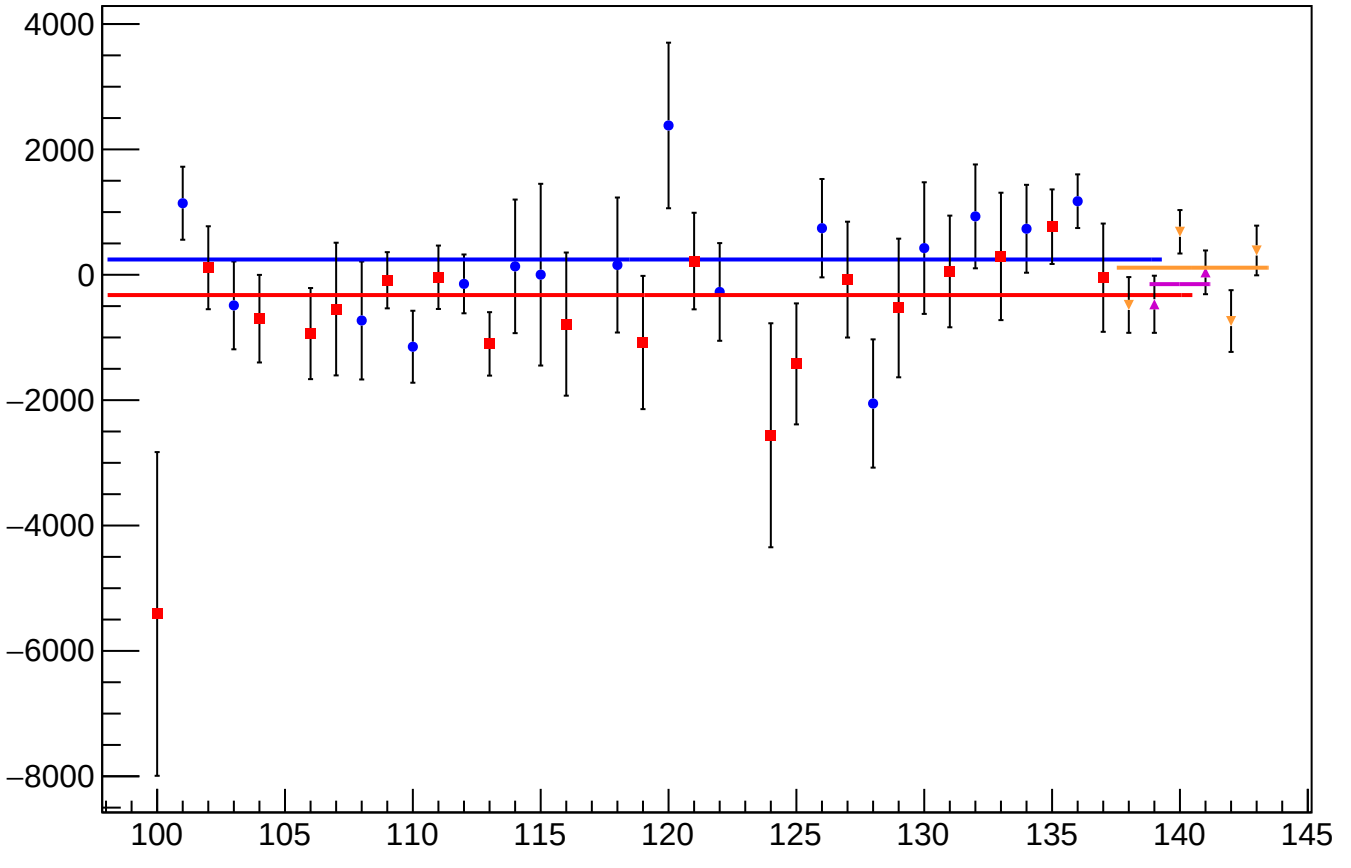
Left: 49.206+/-0.016 χ^2/NDF: 54478.9/5

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 51.070+/-0.012 χ^2/NDF:710131.6/17

Out: 51.742+/-0.012 χ^2/NDF:753889.9/22

All: 51.425+/-0.009 χ^2/NDF: 1465563.8/40



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 112.932+/-204.661 χ^2/NDF:8.0/3

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -149.228+/-277.013 χ^2/NDF:0.8/1

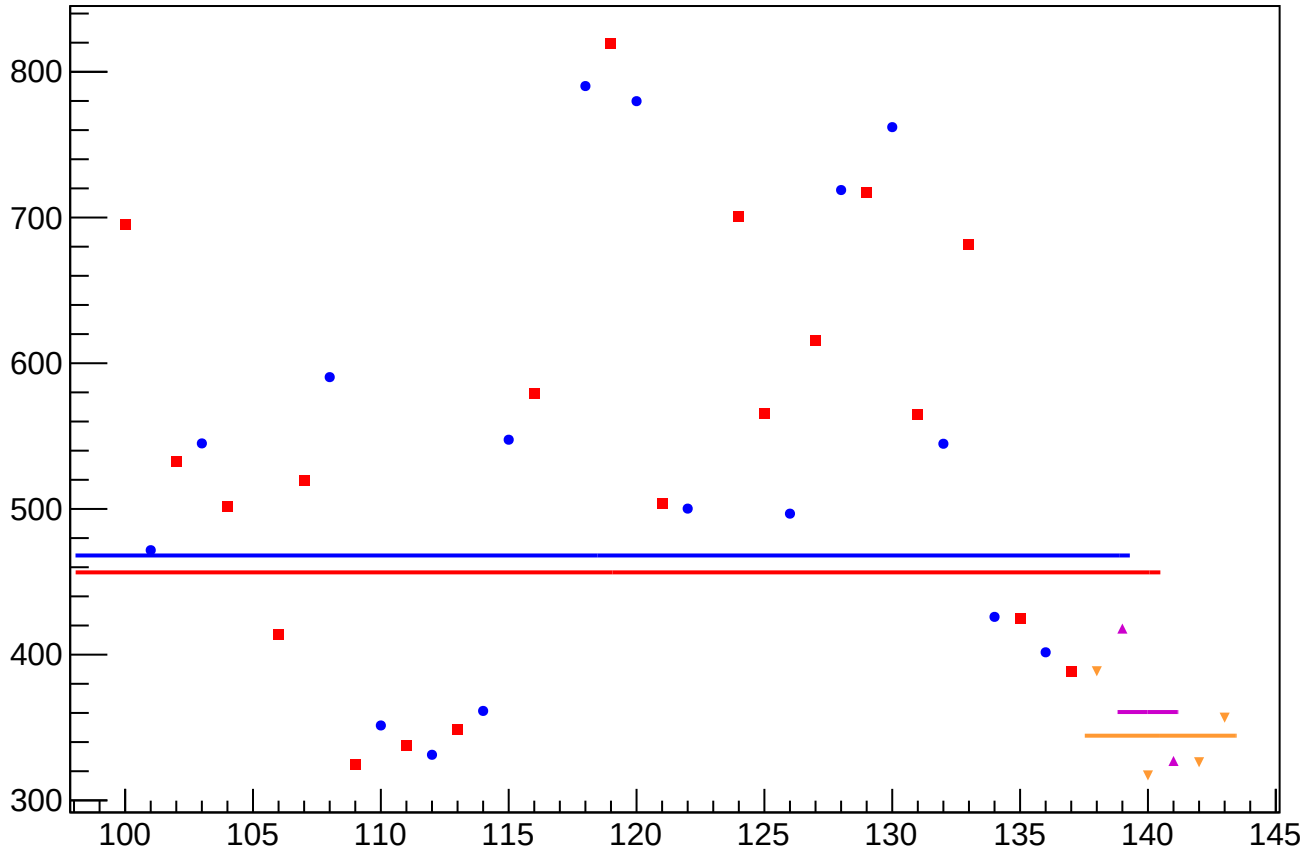
Left: 20.362+/-164.608 χ^2/NDF: 9.4/5

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 126.344+/-151.447 χ^2/NDF:27.8/17

Out: -140.917+/-132.402 χ^2/NDF:27.1/22

All: -25.139+/-99.680 χ^2/NDF: 56.7/40



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 344.388+/-0.145 χ^2/NDF:36857.8/3

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 360.616+/-0.196 χ^2/NDF:50123.2/1

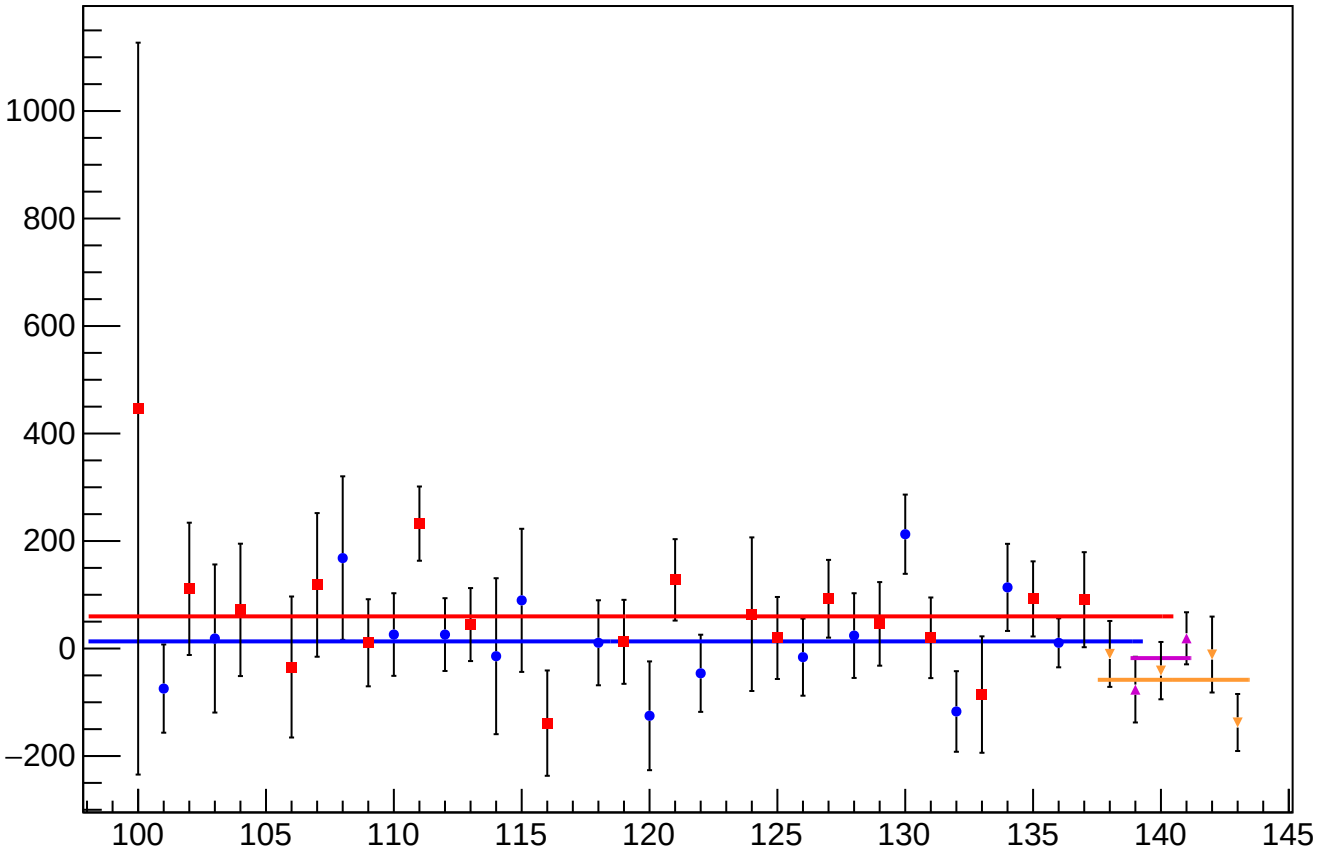
Left: 350.118+/-0.116 χ^2/NDF: 91421.1/5

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 435.949+/-0.107 χ^2/NDF:1244011.0/17

Out: 409.560+/-0.094 χ^2/NDF:1468205.0/22

All: 420.992+/-0.070 χ^2/NDF: 2746633.9/40



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -58.185+/-29.191 χ^2/NDF:3.4/3

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -17.819+/-37.971 χ^2/NDF:1.5/1

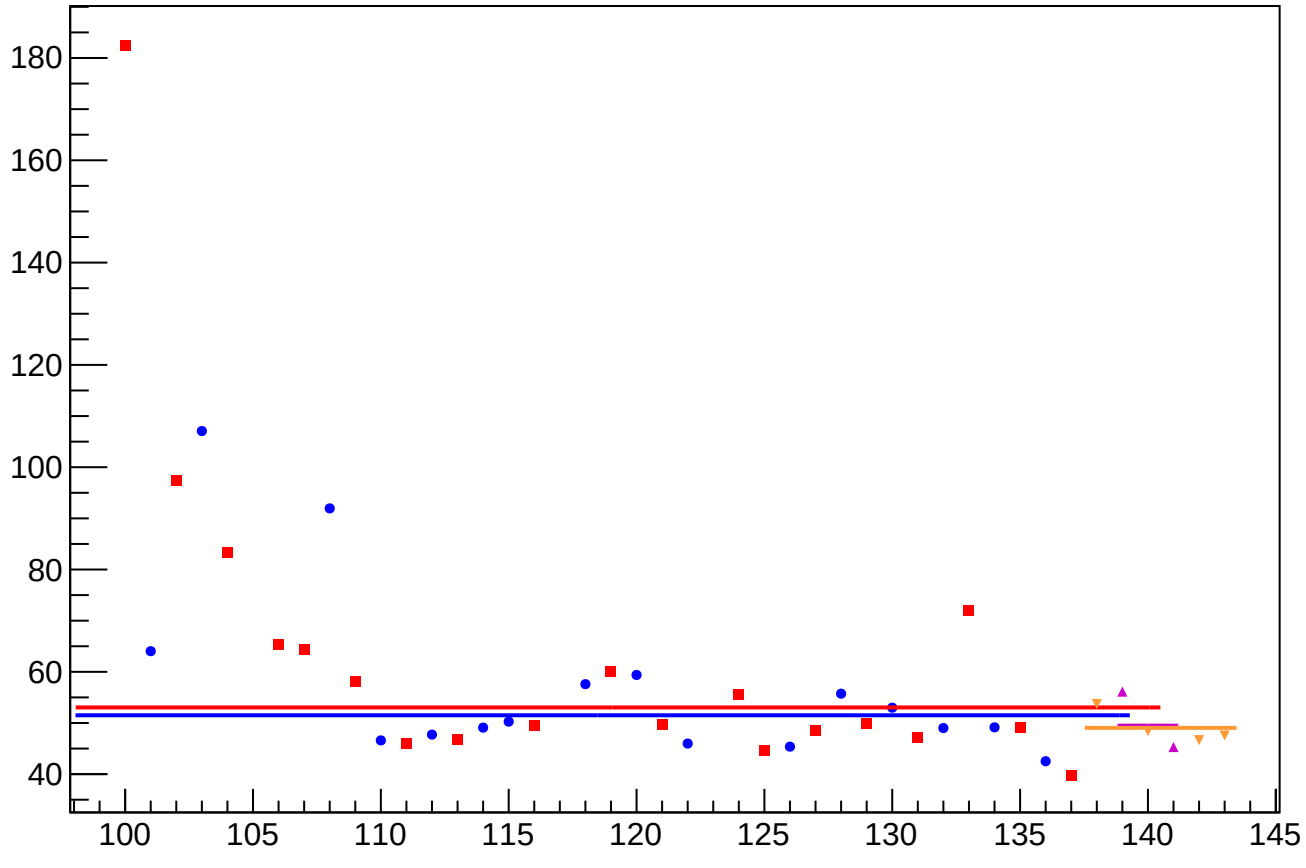
Left: -43.190+/-23.143 χ^2/NDF: 5.6/5

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: 6.595+/-17.591 χ^2/NDF:19.3/17

Out: 21.518+/-16.630 χ^2/NDF:30.5/22

All: 14.475+/-12.084 χ^2/NDF: 50.2/40



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 49.047+/-0.021 χ^2/NDF:15732.7/3

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 49.476+/-0.027 χ^2/NDF:38584.7/1

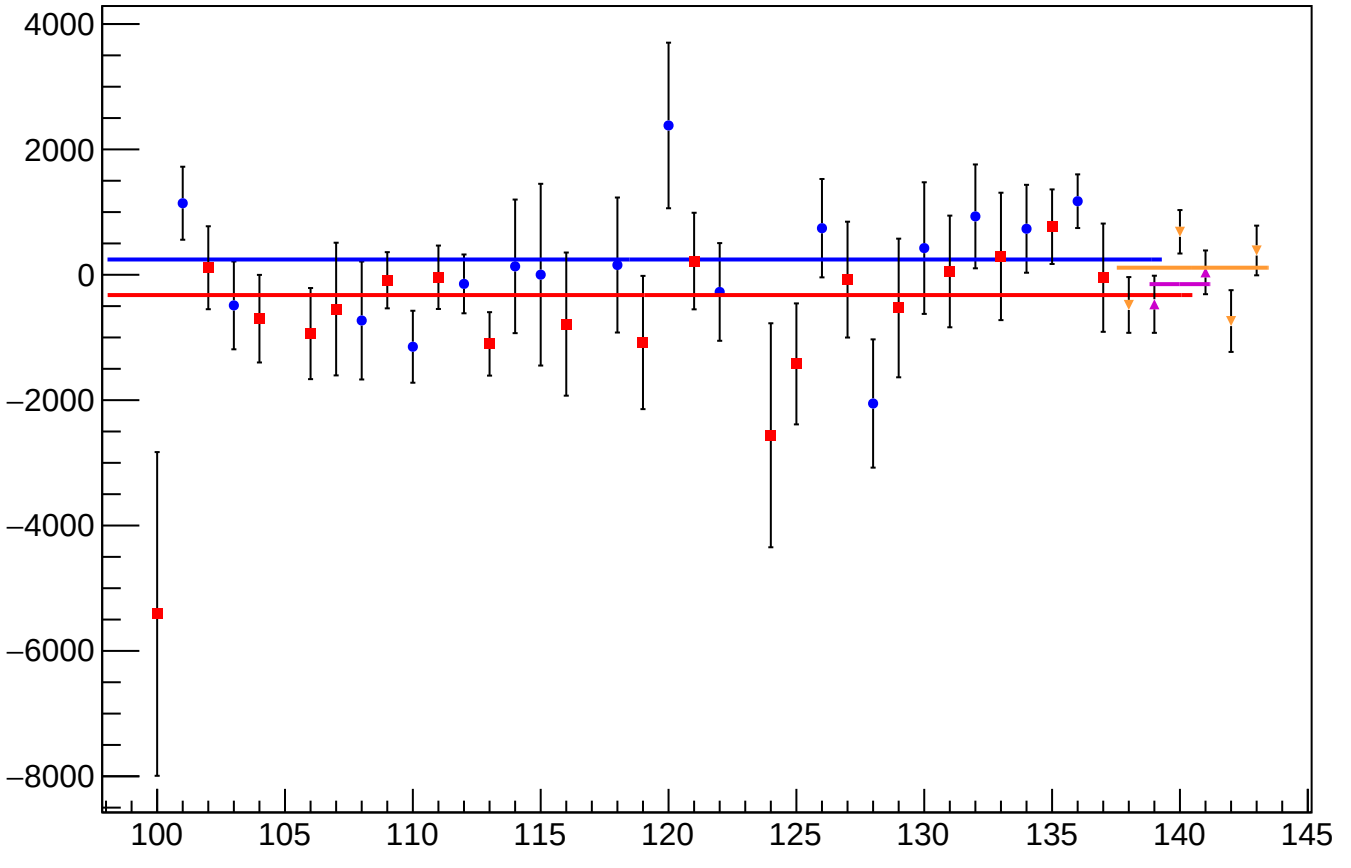
Left: 49.206+/-0.016 χ^2/NDF: 54478.3/5

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 51.070+/-0.012 χ^2/NDF:710135.9/17

Out: 51.742+/-0.012 χ^2/NDF:753899.2/22

All: 51.425+/-0.009 χ^2/NDF: 1465577.7/40



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 112.934+/-204.661 χ^2/NDF:8.0/3

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -149.228+/-277.013 χ^2/NDF:0.8/1

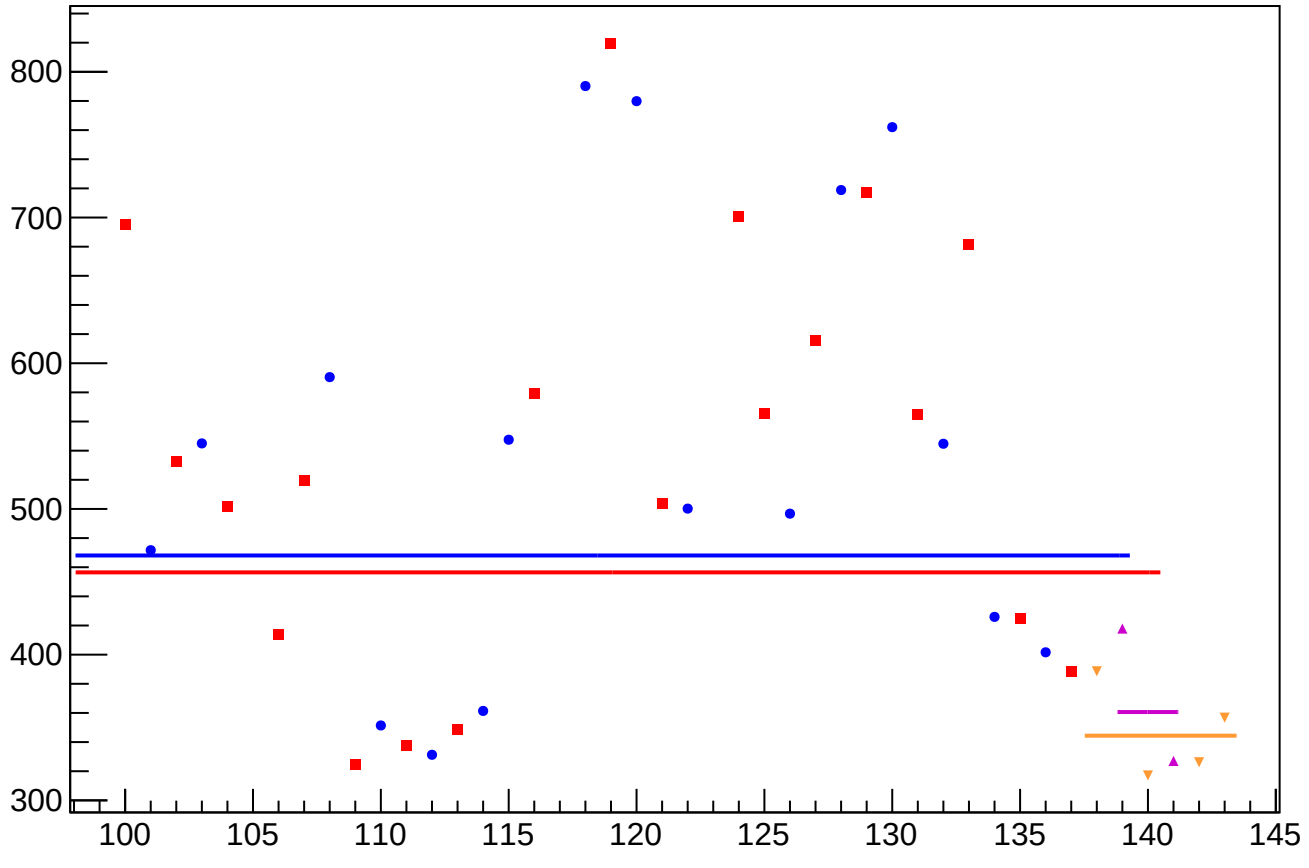
Left: 20.363+/-164.608 χ^2/NDF: 9.4/5

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 126.343+/-151.447 χ^2/NDF:27.8/17

Out: -140.917+/-132.402 χ^2/NDF:27.1/22

All: -25.139+/-99.680 χ^2/NDF: 56.7/40



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 344.388+/-0.145 χ^2/NDF:36857.8/3

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: 350.118+/-0.116 χ^2/NDF: 91421.2/5

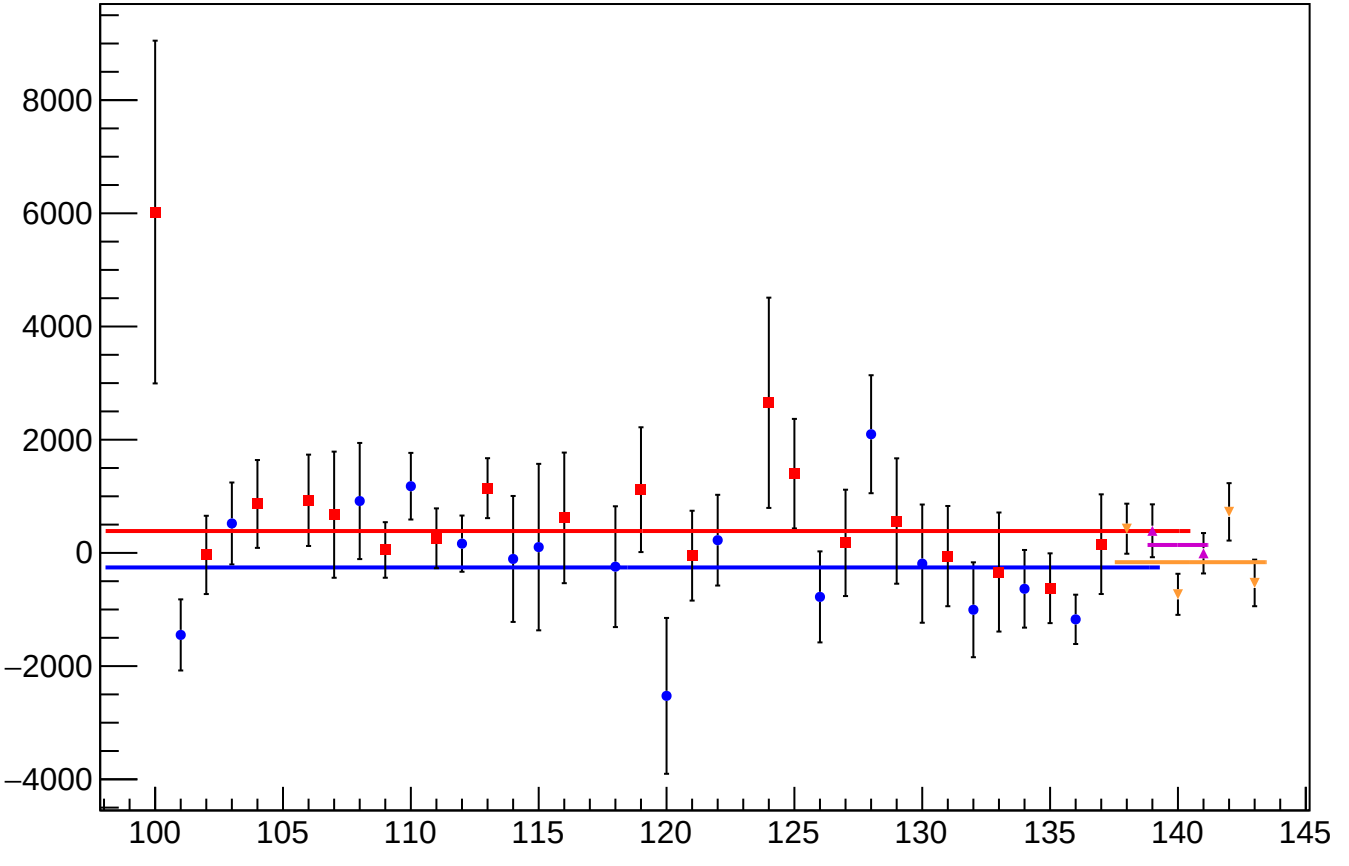
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 435.949+/-0.107 χ^2/NDF:1244006.4/17

Out: 409.559+/-0.094 χ^2/NDF:1468196.7/22

All: 420.991+/-0.070 χ^2/NDF: 2746621.2/40

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -163.808+/-210.817 χ^2/NDF:8.1/3

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: -55.599+/-169.201 χ^2/NDF: 9.3/5

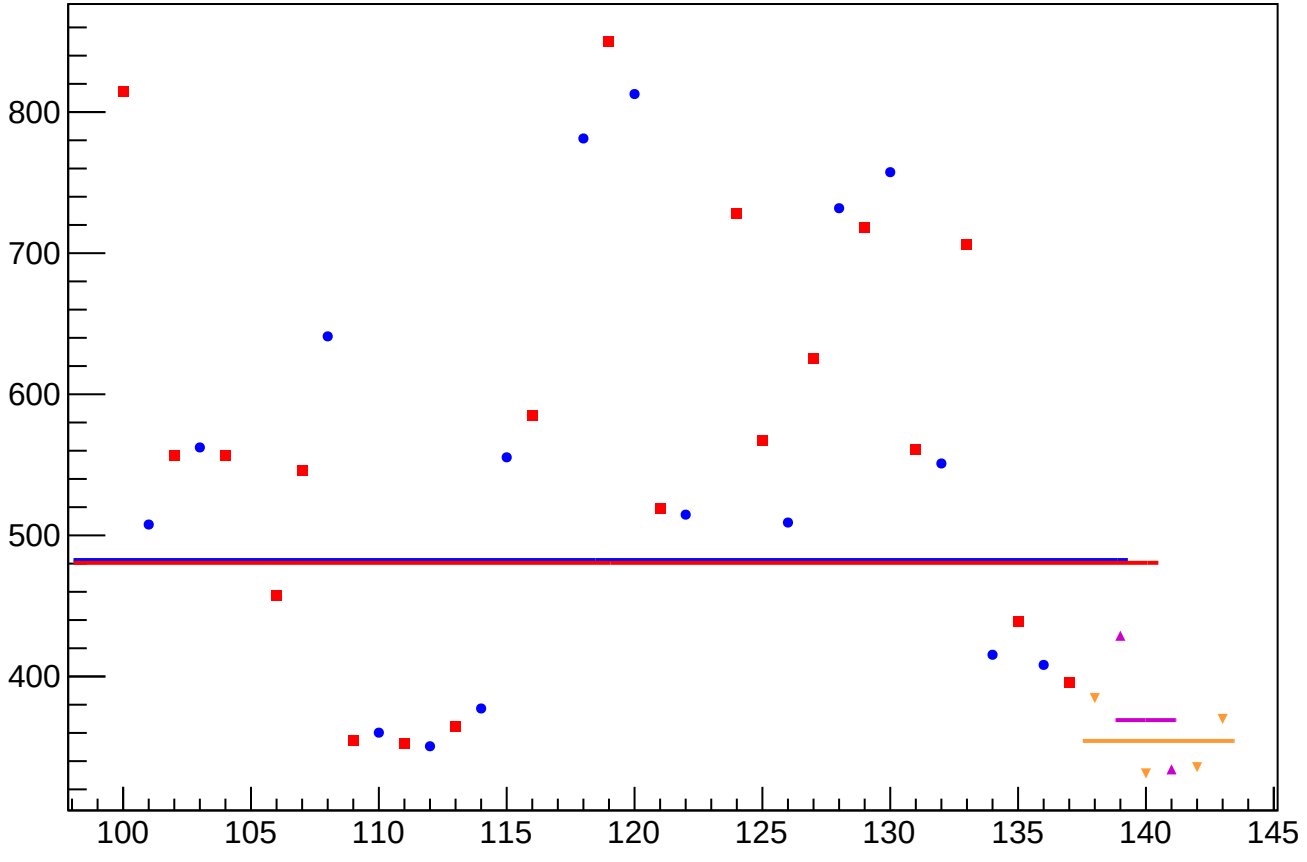
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -136.945+/-155.811 χ^2/NDF:28.8/17

Out: 150.935+/-137.921 χ^2/NDF:26.2/22

All: 24.463+/-103.273 χ^2/NDF: 56.9/40

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 354.324+/-0.149 χ^2/NDF:23044.8/3

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 369.086+/-0.201 χ^2/NDF:51888.9/1

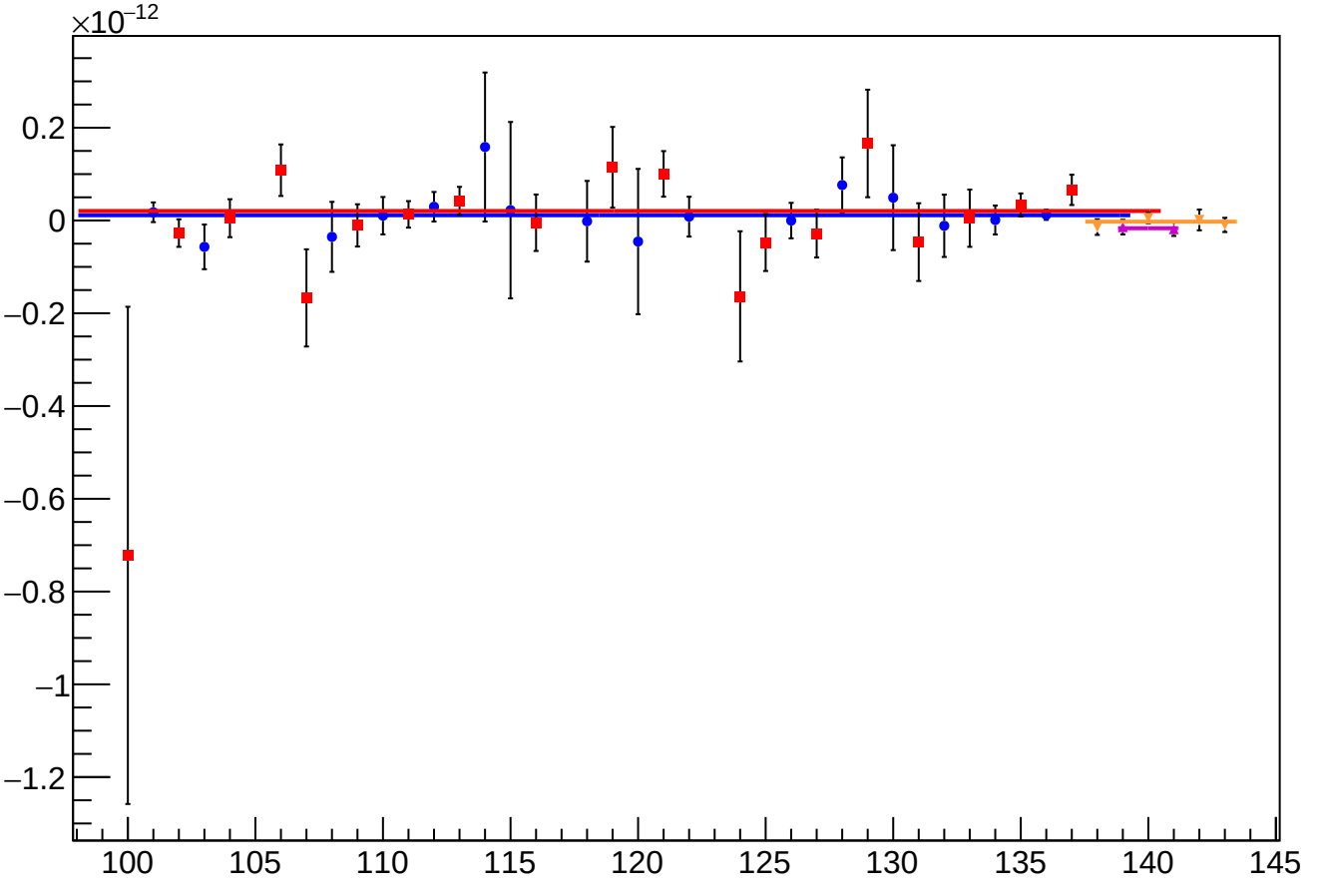
Left: 359.577+/-0.120 χ^2/NDF: 78423.6/5

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 448.287+/-0.110 χ^2/NDF:1221727.8/17

Out: 426.529+/-0.098 χ^2/NDF:1427018.1/22

All: 436.088+/-0.073 χ^2/NDF: 2670611.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

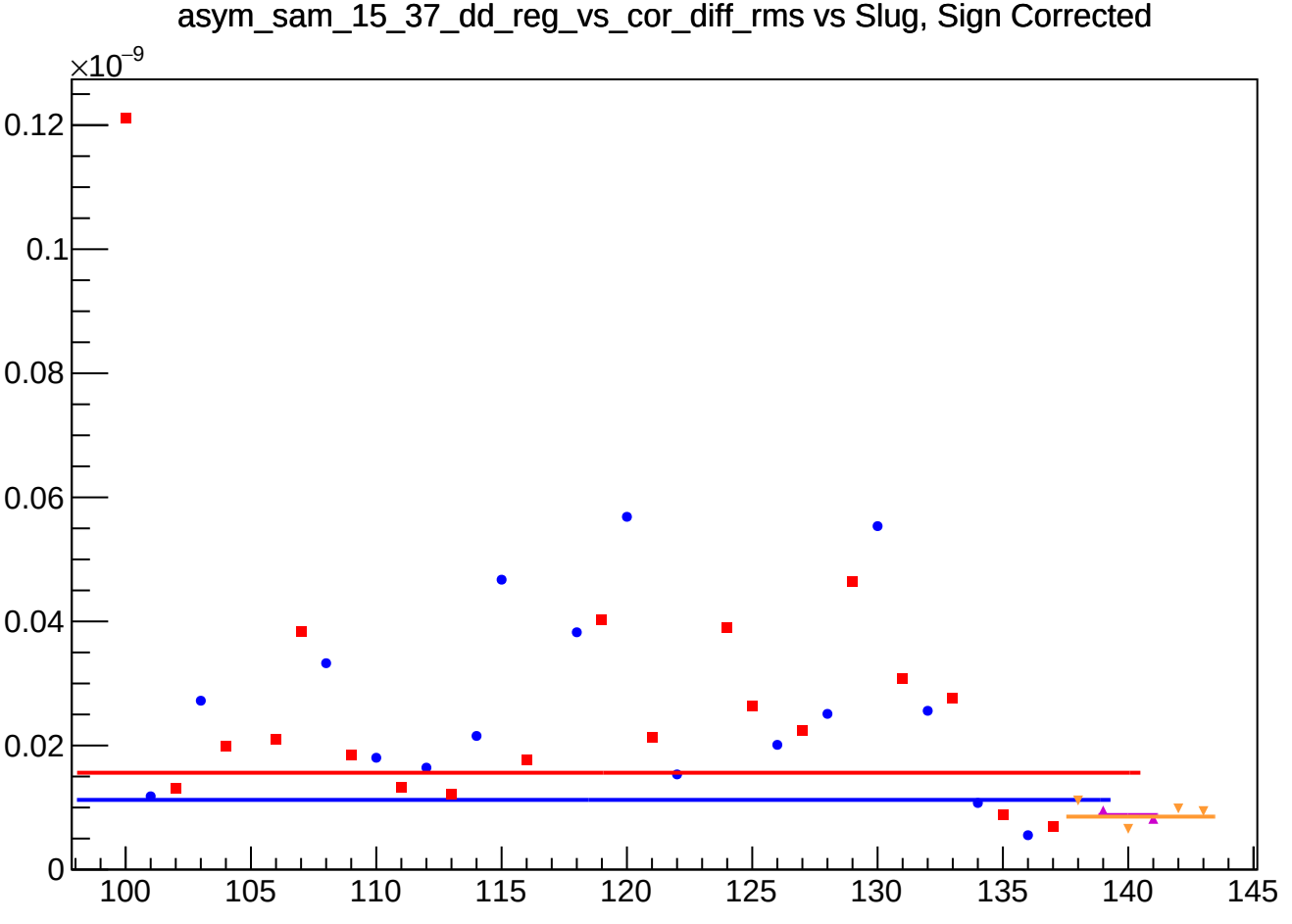
Left: -0.000+/-0.000 χ^2/NDF: 2.4/5

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:28.2/22

All: 0.000+/-0.000 χ^2/NDF: 38.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:121906.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7942.0/1

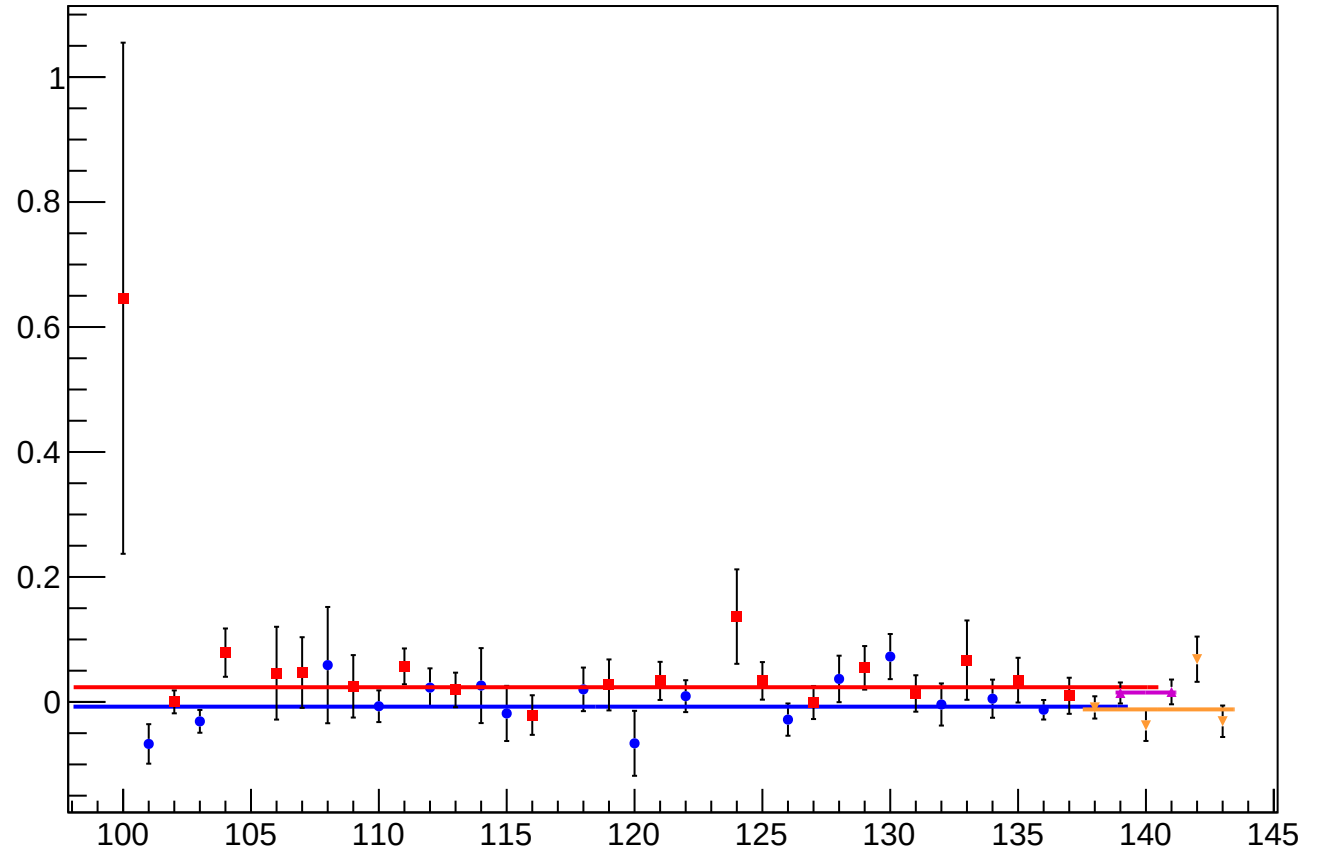
Left: 0.000+/-0.000 χ^2/NDF: 130655.7/5

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2177243.7/17

Out: 0.000+/-0.000 χ^2/NDF:1924126.5/22

All: 0.000+/-0.000 χ^2/NDF: 4112356.9/40



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.012 χ^2/NDF:6.6/3

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.015+/-0.013 χ^2/NDF:0.0/1

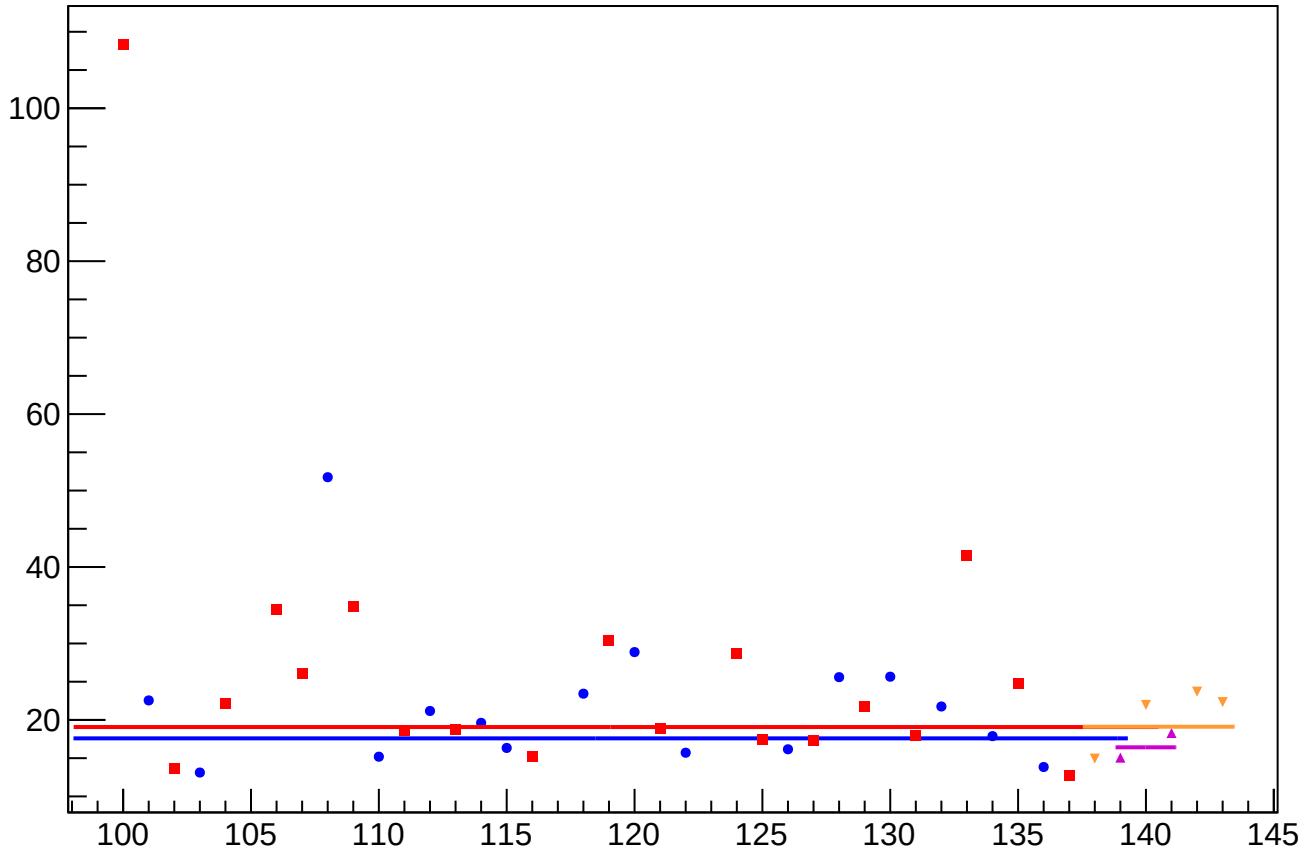
Left: 0.001+/-0.009 χ^2/NDF: 9.0/5

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.005+/-0.005 χ^2/NDF: 49.4/40



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.115+/-0.008 χ^2/NDF:200686.4/3

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: 17.870+/-0.006 χ^2/NDF: 279048.8/5

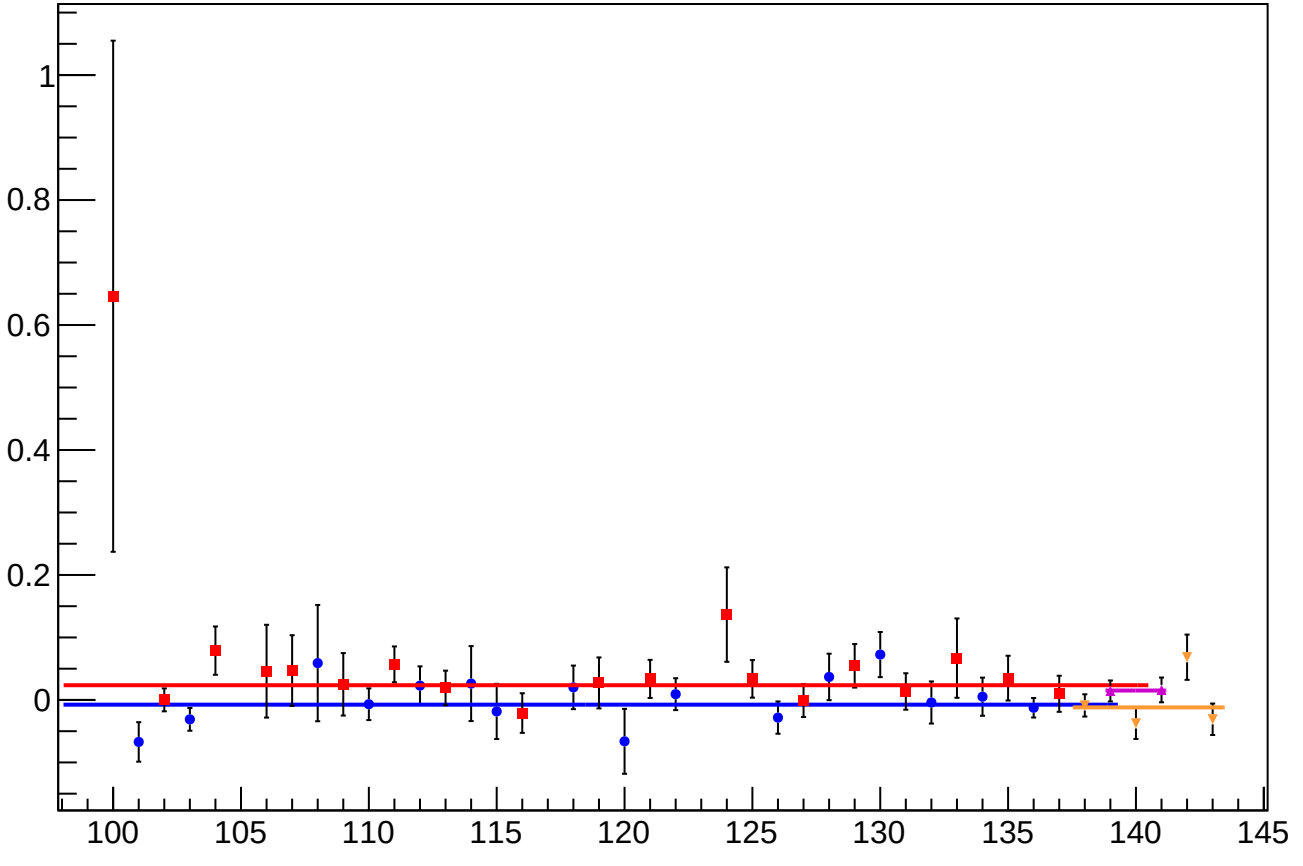
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.310+/-0.004 χ^2/NDF:1036672.2/17

Out: 19.085+/-0.005 χ^2/NDF:1448688.0/22

All: 18.168+/-0.003 χ^2/NDF: 2562709.1/40

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: -0.012+/-0.012 χ^2/NDF:6.6/3

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.015+/-0.013 χ^2/NDF:0.0/1

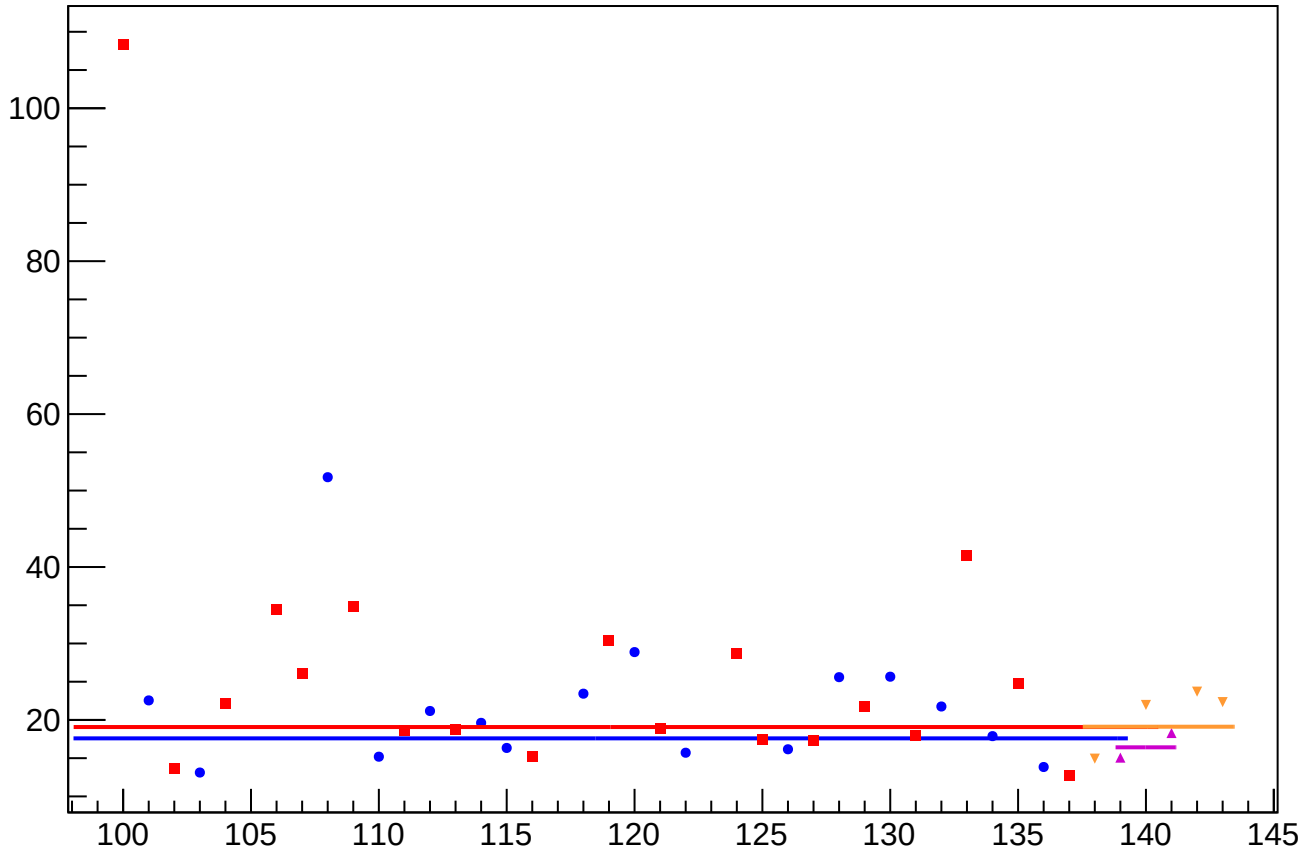
Left: 0.001+/-0.009 χ^2/NDF: 9.0/5

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.005+/-0.005 χ^2/NDF: 49.4/40



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.115+/-0.008 χ^2/NDF:200686.4/3

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.9/1

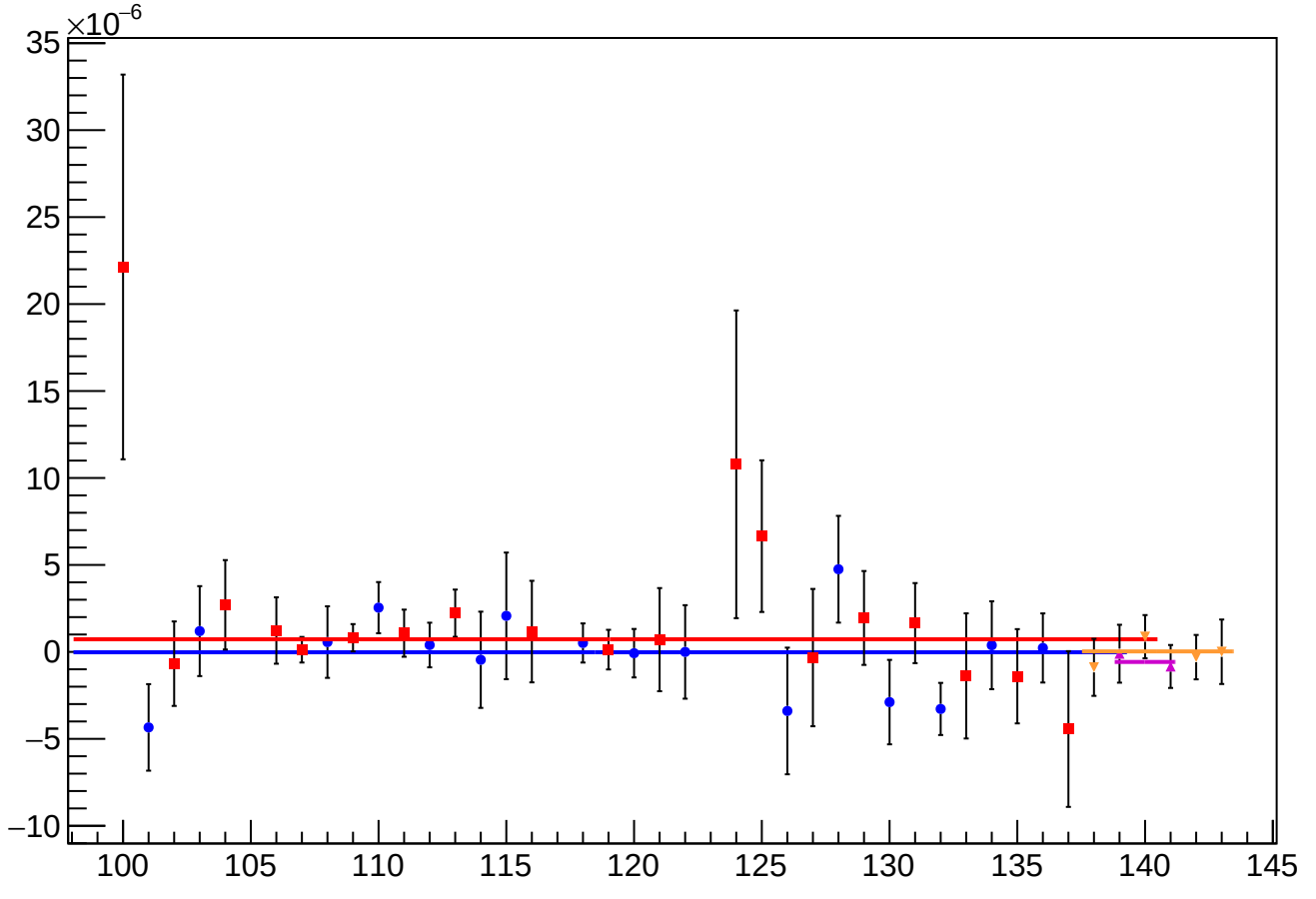
Left: 17.870+/-0.006 χ^2/NDF: 279048.8/5

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.310+/-0.004 χ^2/NDF:1036672.2/17

Out: 19.085+/-0.005 χ^2/NDF:1448688.0/22

All: 18.168+/-0.003 χ^2/NDF: 2562709.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

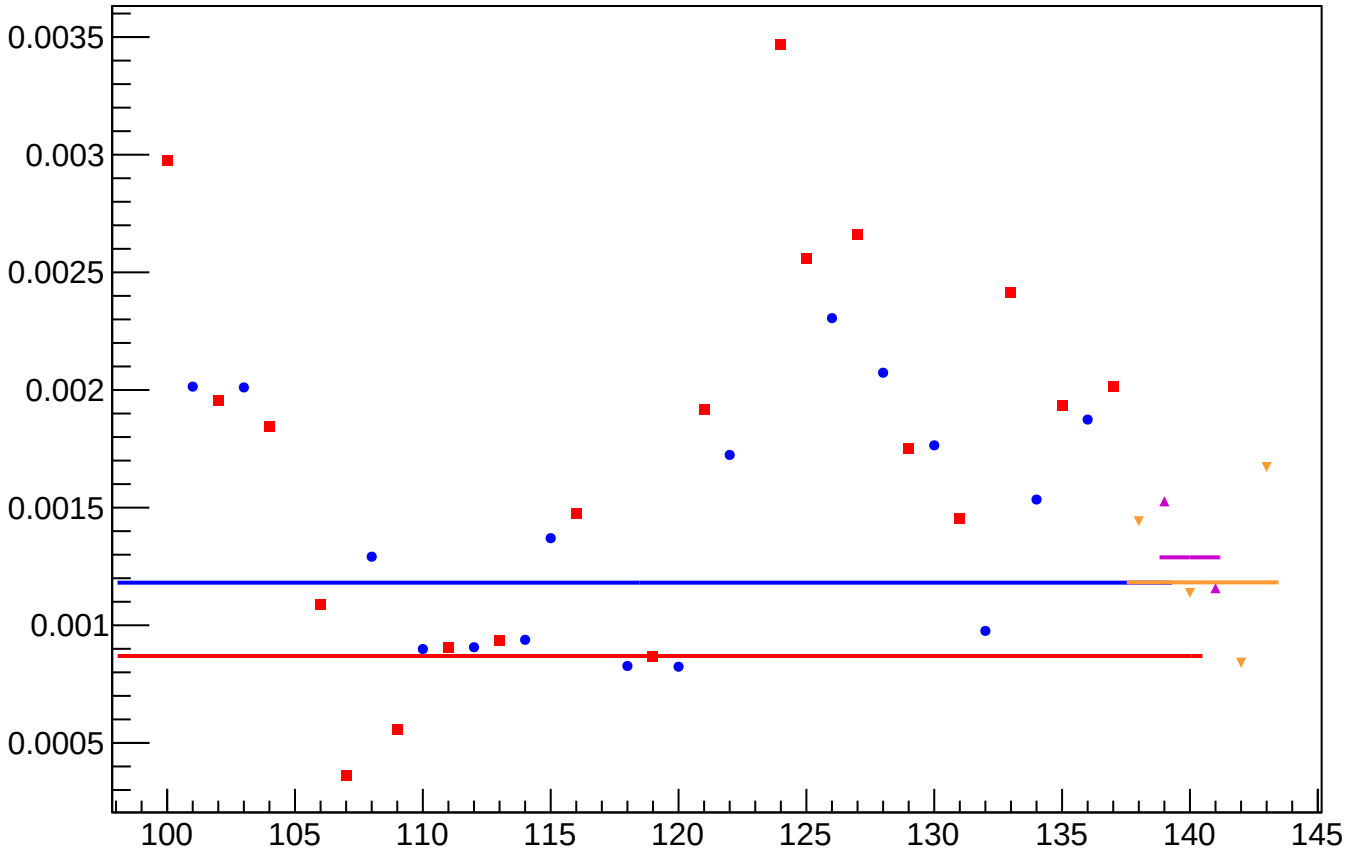
Left: -0.000+/-0.000 χ^2/NDF: 1.2/5

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:14.5/22

All: 0.000+/-0.000 χ^2/NDF: 33.0/40



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:335613.1/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:63420.5/1

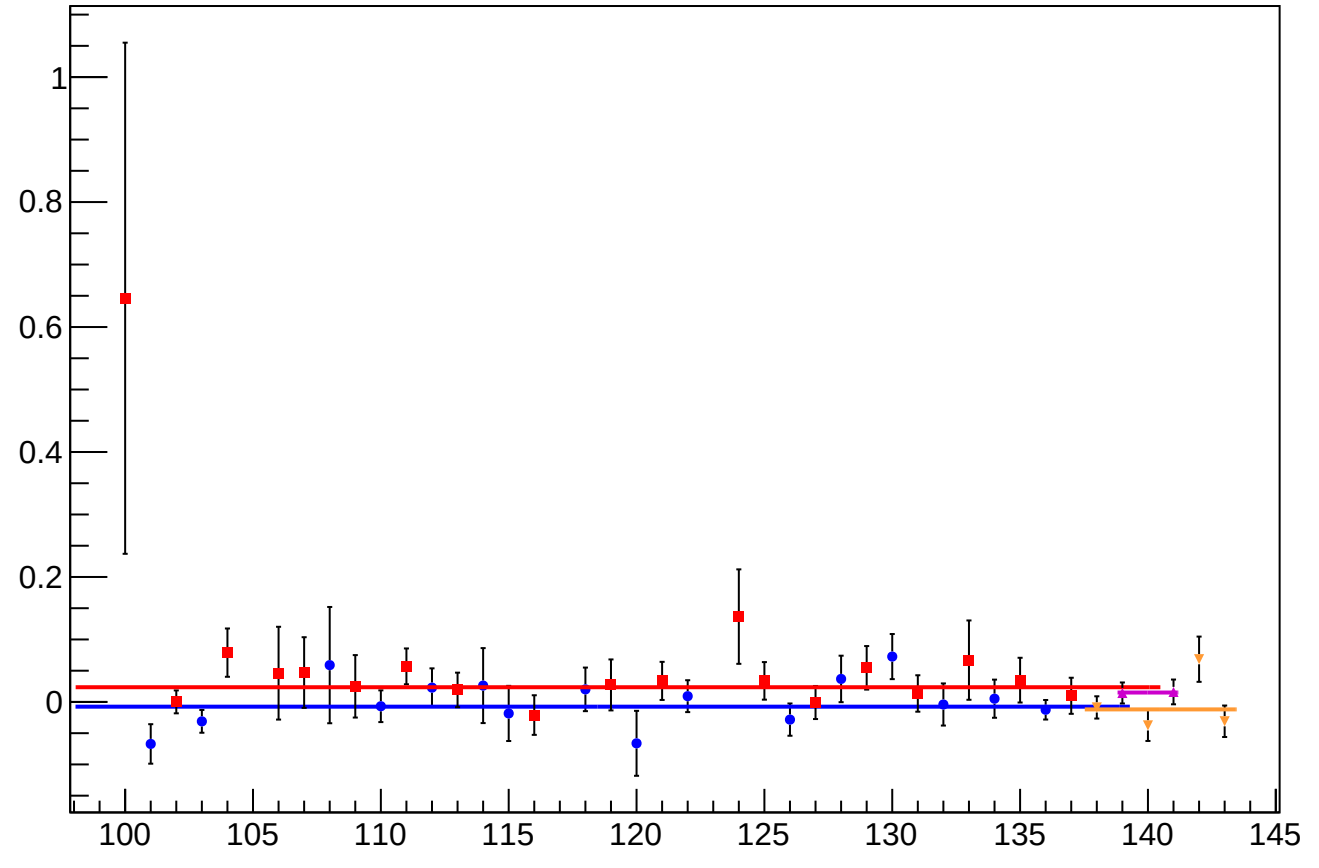
Left: 0.001+/-0.000 χ^2/NDF: 414070.9/5

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:5065426.5/22

All: 0.001+/-0.000 χ^2/NDF: 7445020.3/40



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.012 χ^2/NDF:6.6/3

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: 0.001+/-0.009 χ^2/NDF: 9.0/5

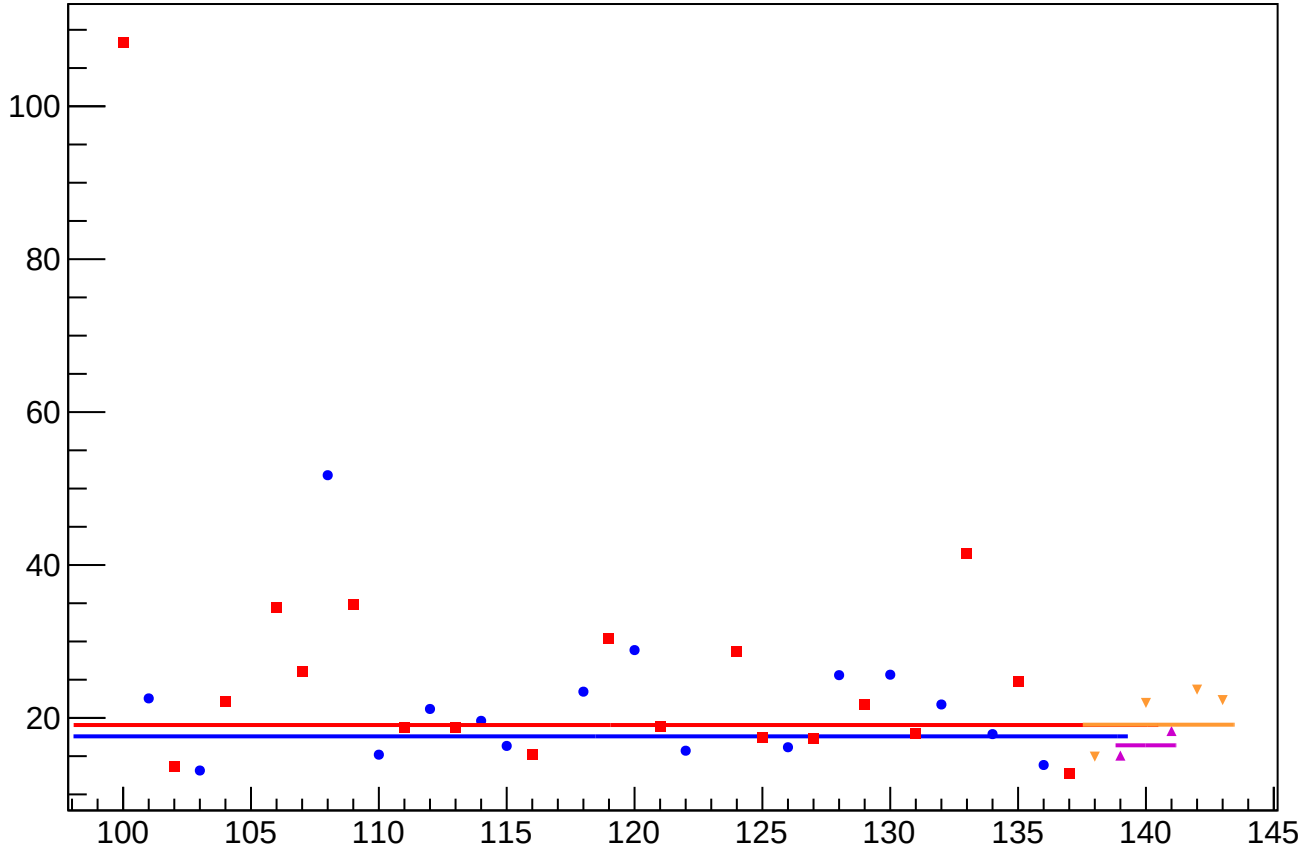
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.005+/-0.005 χ^2/NDF: 49.4/40

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: 19.115+/-0.008 χ^2/NDF:200688.5/3

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: 17.870+/-0.006 χ^2/NDF: 279044.2/5

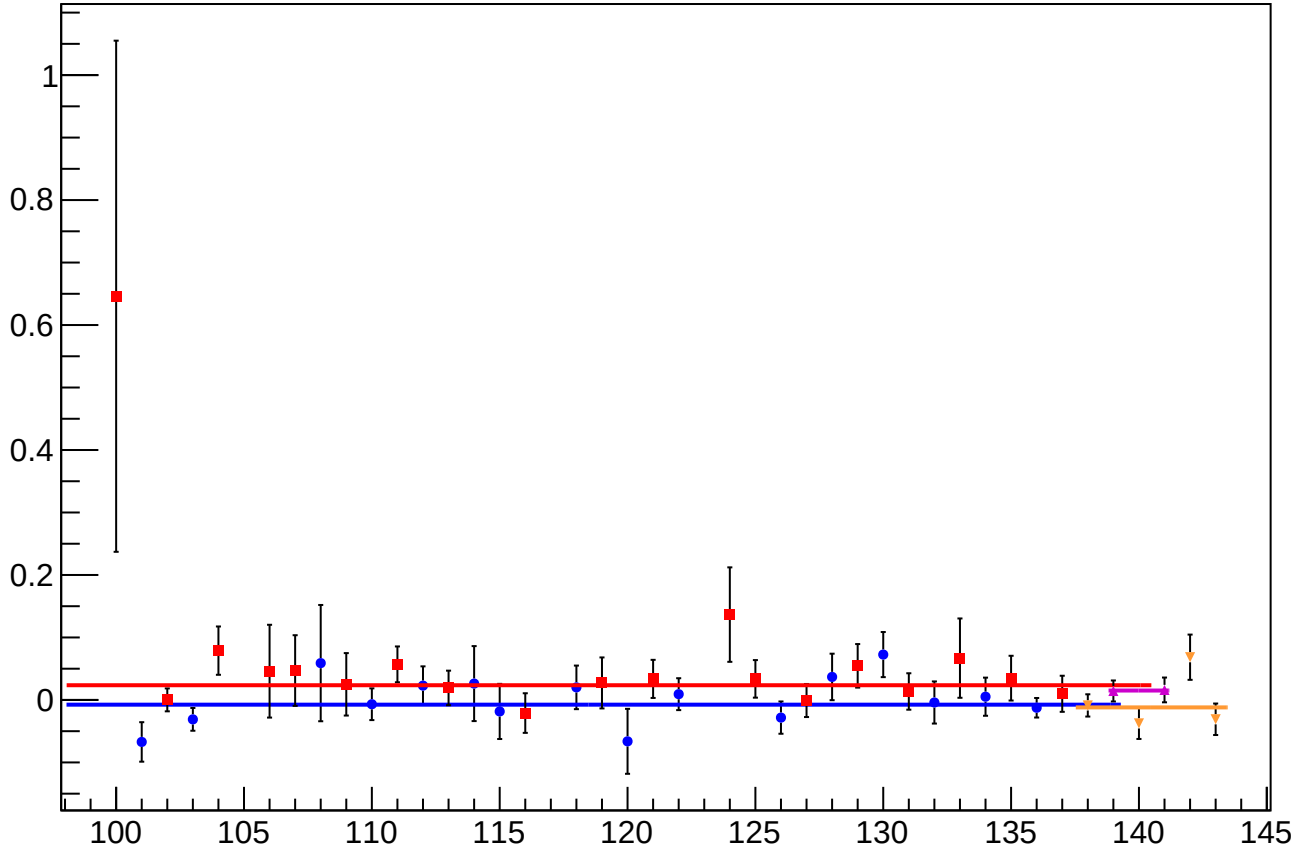
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.310+/-0.004 χ^2/NDF:1036705.3/17

Out: 19.085+/-0.005 χ^2/NDF:1448611.6/22

All: 18.169+/-0.003 χ^2/NDF: 2562679.2/40

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: -0.012+/-0.012 χ^2/NDF:6.6/3

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: 0.001+/-0.009 χ^2/NDF: 9.0/5

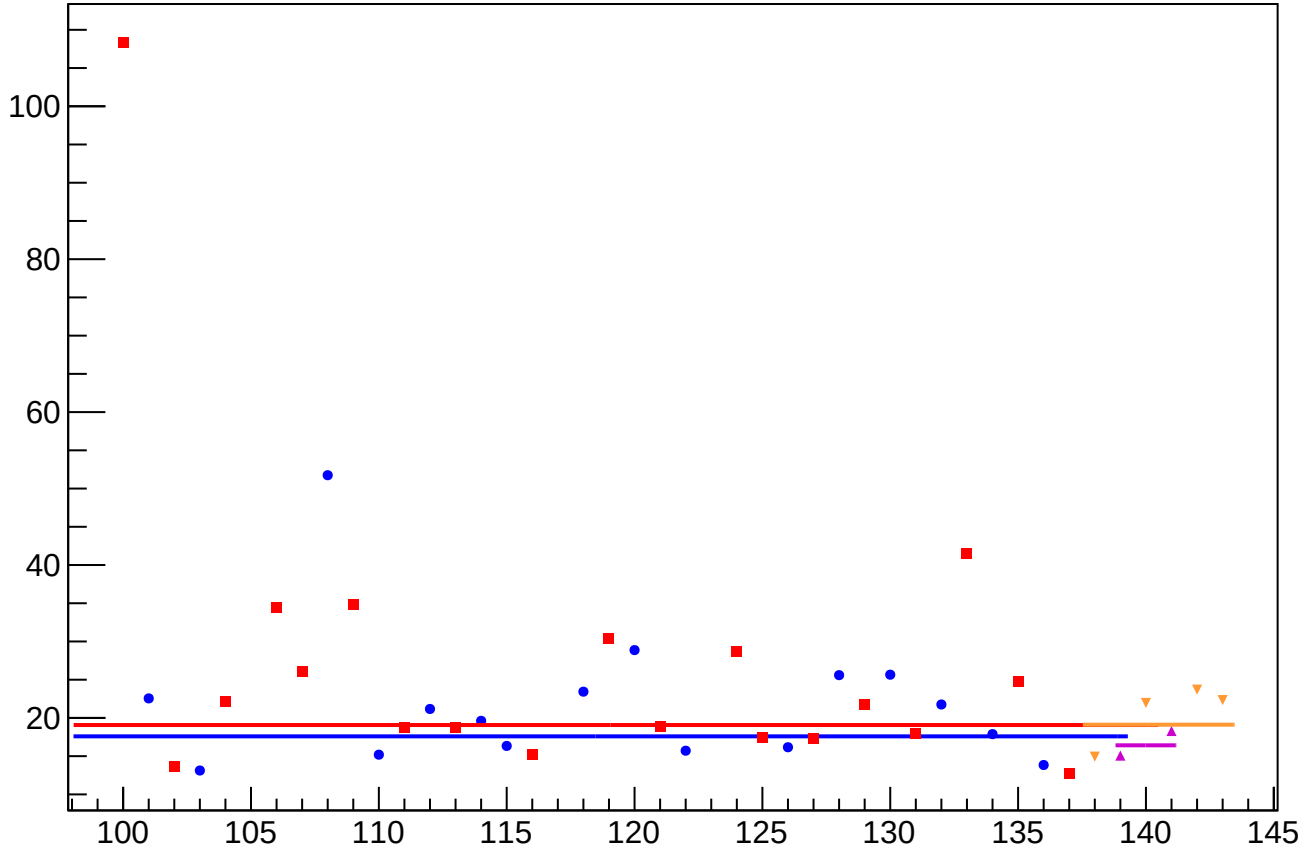
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.006 χ^2/NDF:19.1/17

Out: 0.013+/-0.006 χ^2/NDF:27.5/22

All: 0.005+/-0.005 χ^2/NDF: 49.4/40

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: 19.115+/-0.008 χ^2/NDF:200688.5/3

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 16.419+/-0.009 χ^2/NDF:30695.7/1

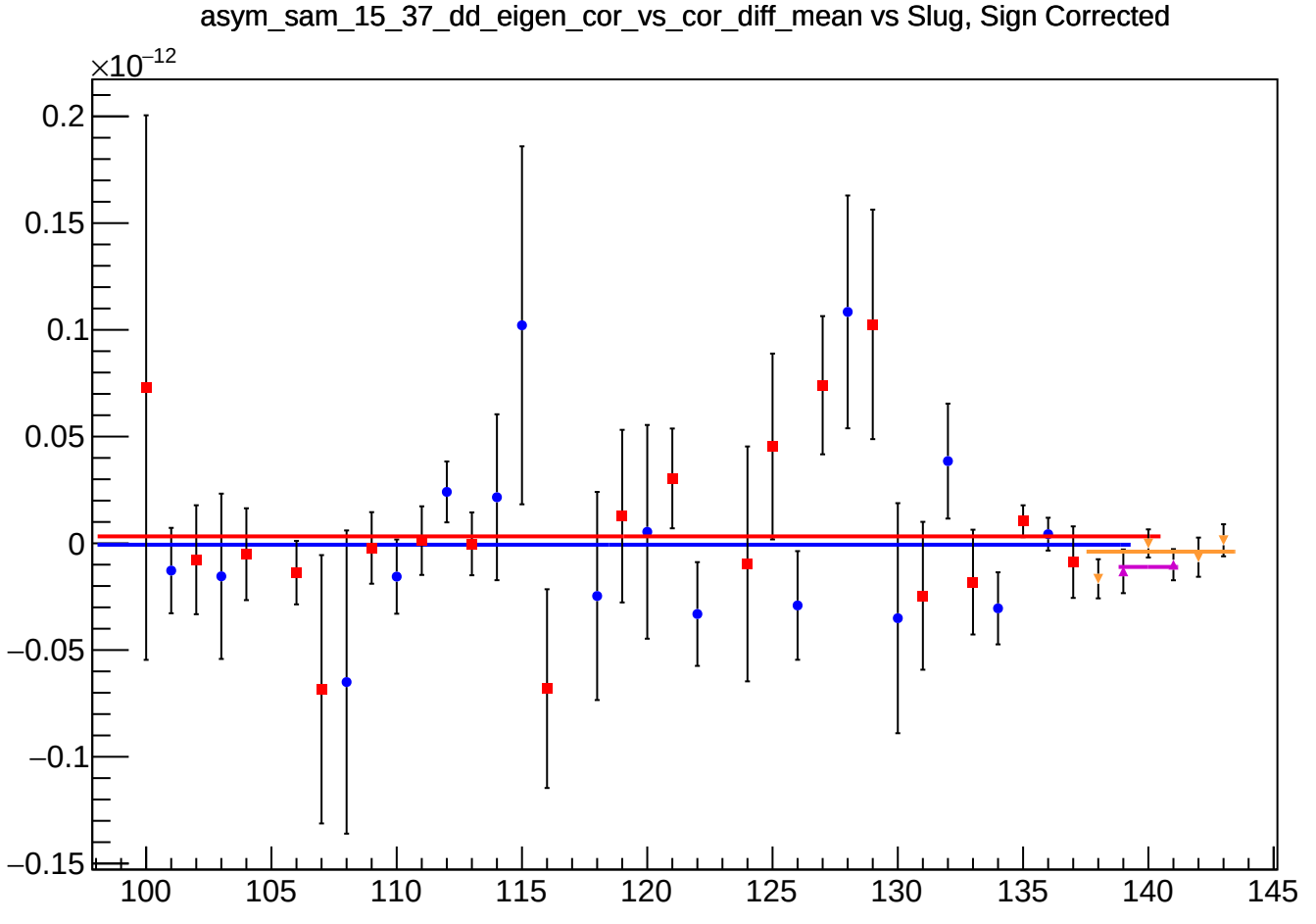
Left: 17.870+/-0.006 χ^2/NDF: 279044.2/5

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.310+/-0.004 χ^2/NDF:1036705.3/17

Out: 19.085+/-0.005 χ^2/NDF:1448611.6/22

All: 18.169+/-0.003 χ^2/NDF: 2562679.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

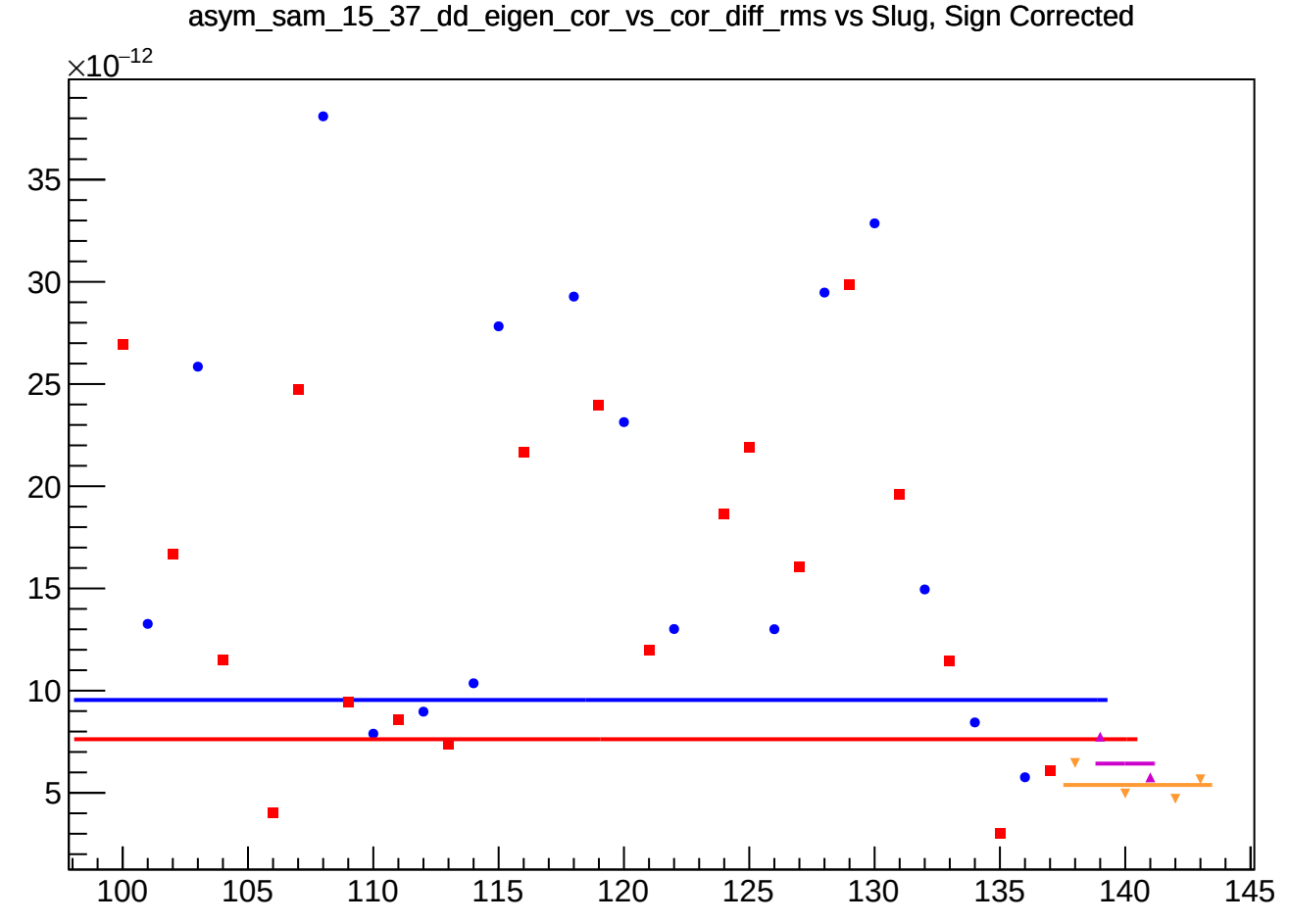
Left: -0.000+/-0.000 χ^2/NDF: 3.9/5

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:23.5/22

All: -0.000+/-0.000 χ^2/NDF: 46.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:49163.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:50191.3/1

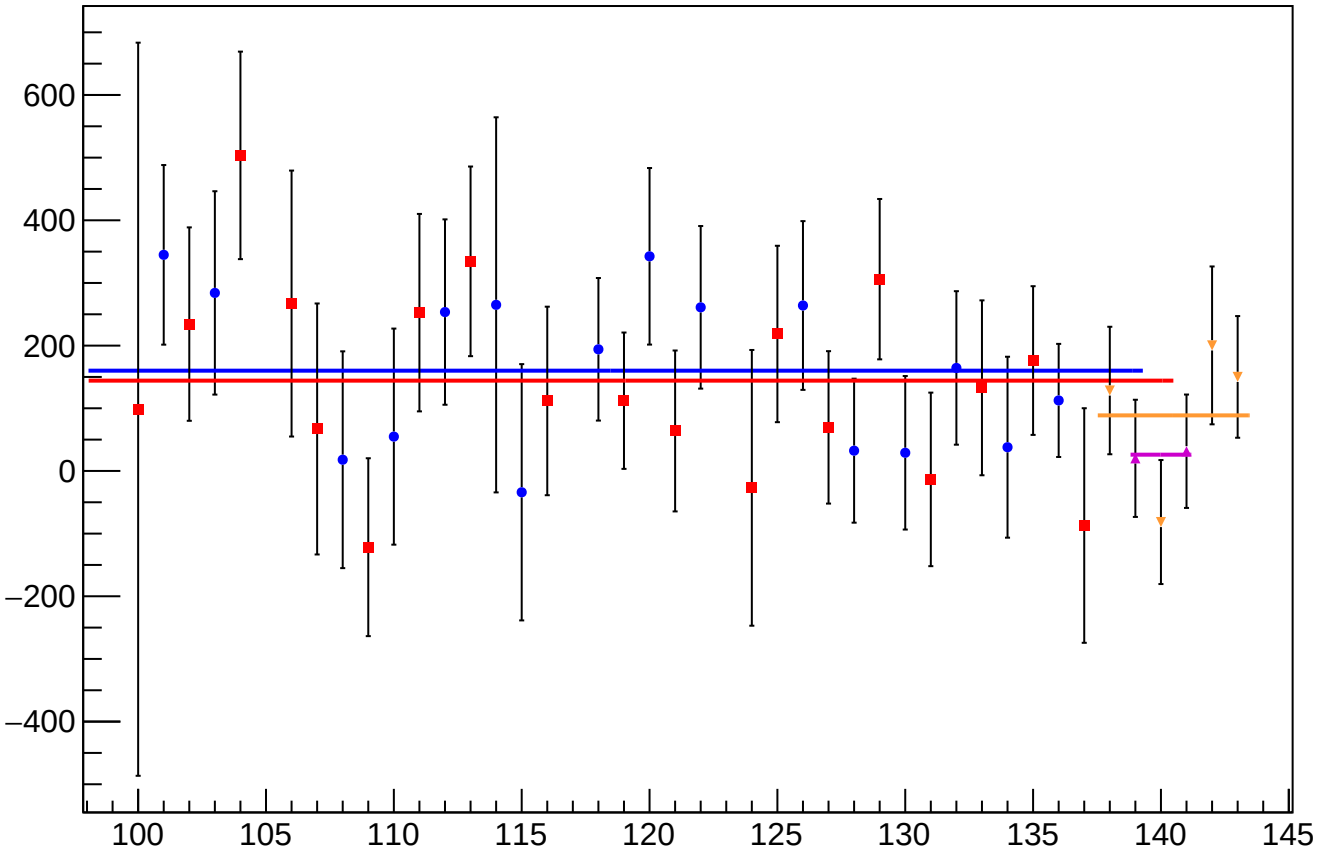
Left: 0.000+/-0.000 χ^2/NDF: 142373.6/5

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:3416355.0/22

All: 0.000+/-0.000 χ^2/NDF: 6714364.9/40



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.679+/-52.138 χ^2/NDF:4.3/3

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: 64.138+/-40.677 χ^2/NDF: 4.9/5

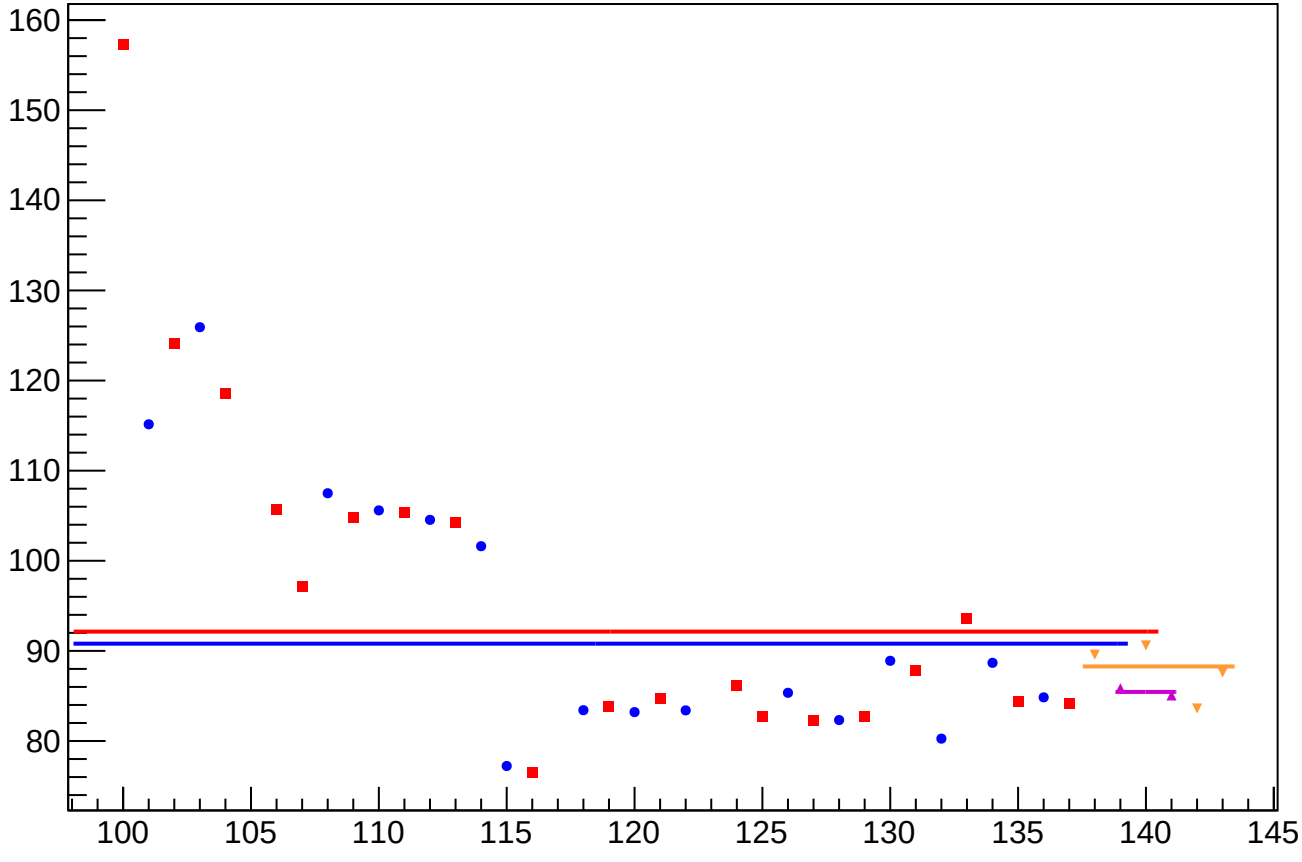
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 131.016+/-30.248 χ^2/NDF:14.4/17

Out: 127.430+/-28.605 χ^2/NDF:22.5/22

All: 129.123+/-20.783 χ^2/NDF: 36.9/40

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: 88.272+/-0.037 χ^2/NDF:4270.3/3

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: 87.166+/-0.029 χ^2/NDF: 6646.4/5

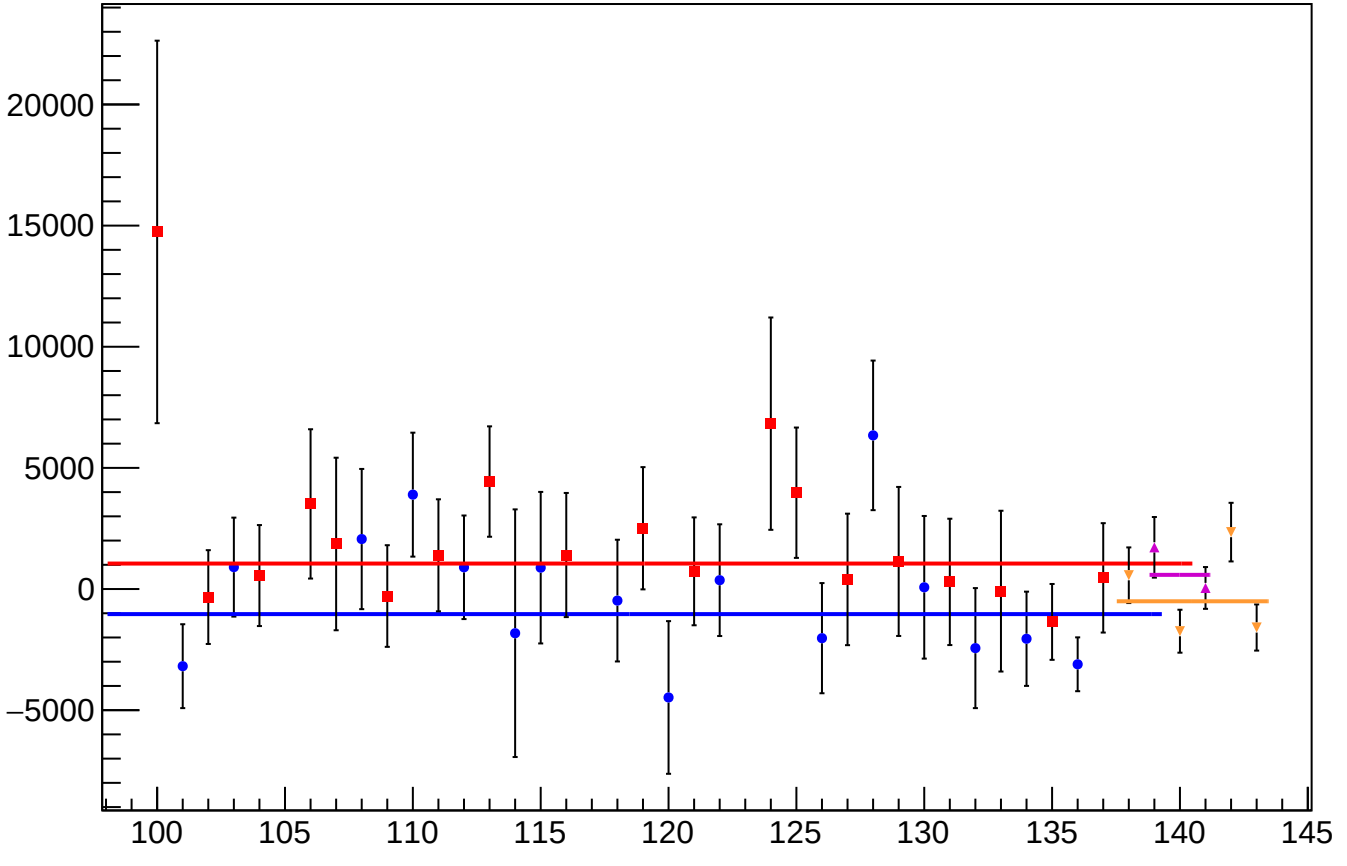
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 89.643+/-0.021 χ^2/NDF:283465.1/17

Out: 90.977+/-0.020 χ^2/NDF:314001.7/22

All: 90.347+/-0.015 χ^2/NDF: 599519.7/40

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -505.522+/-511.872 χ^2/NDF:9.7/3

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 585.051+/-710.093 χ^2/NDF:1.2/1

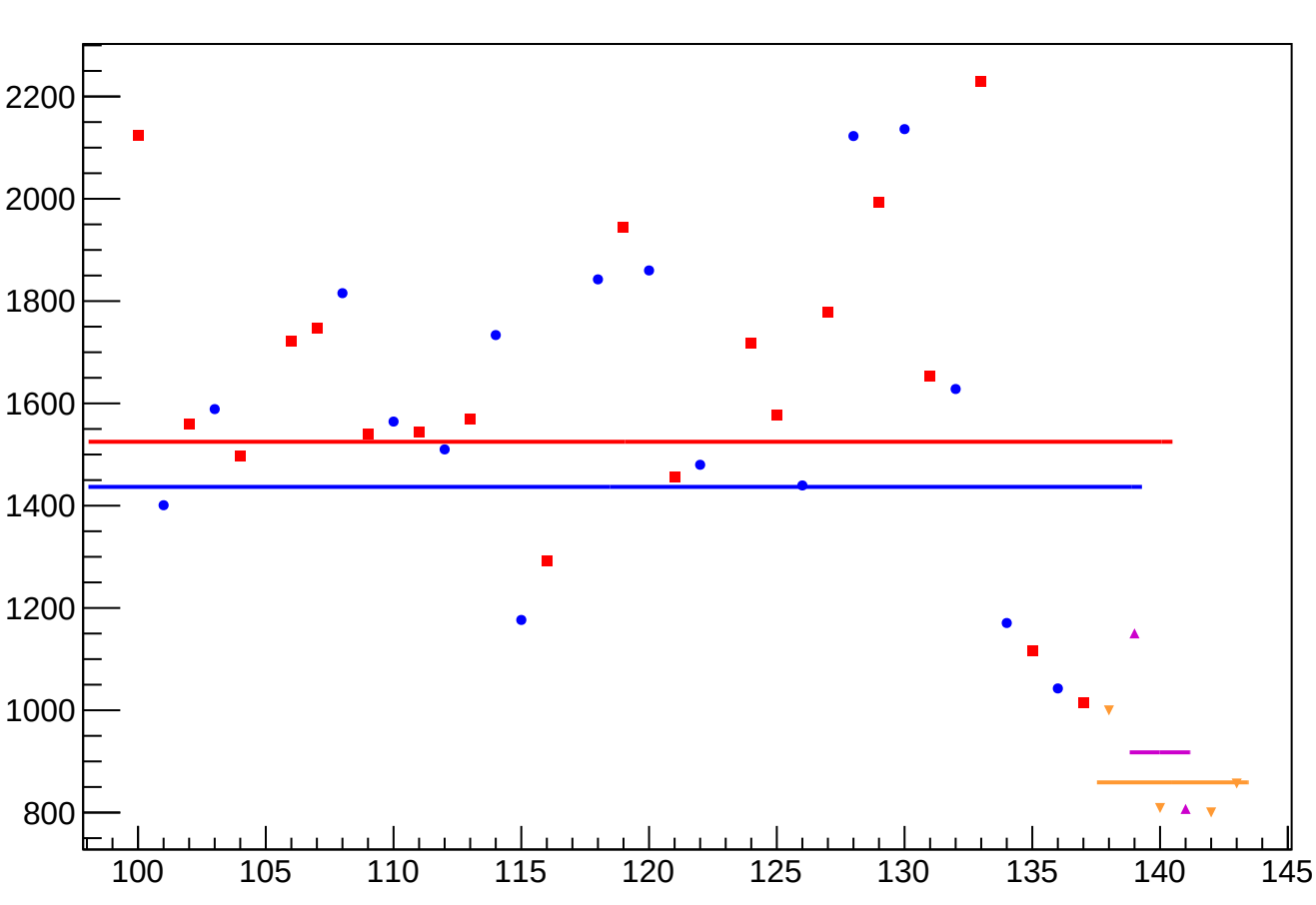
Left: -132.607+/-415.234 χ^2/NDF: 12.4/5

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -427.265+/-434.926 χ^2/NDF:24.7/17

Out: 191.020+/-380.528 χ^2/NDF:26.7/22

All: -77.060+/-286.387 χ^2/NDF: 52.6/40



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 859.015+/-0.362 χ^2/NDF:41176.8/3

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 917.725+/-0.502 χ^2/NDF:102040.1/1

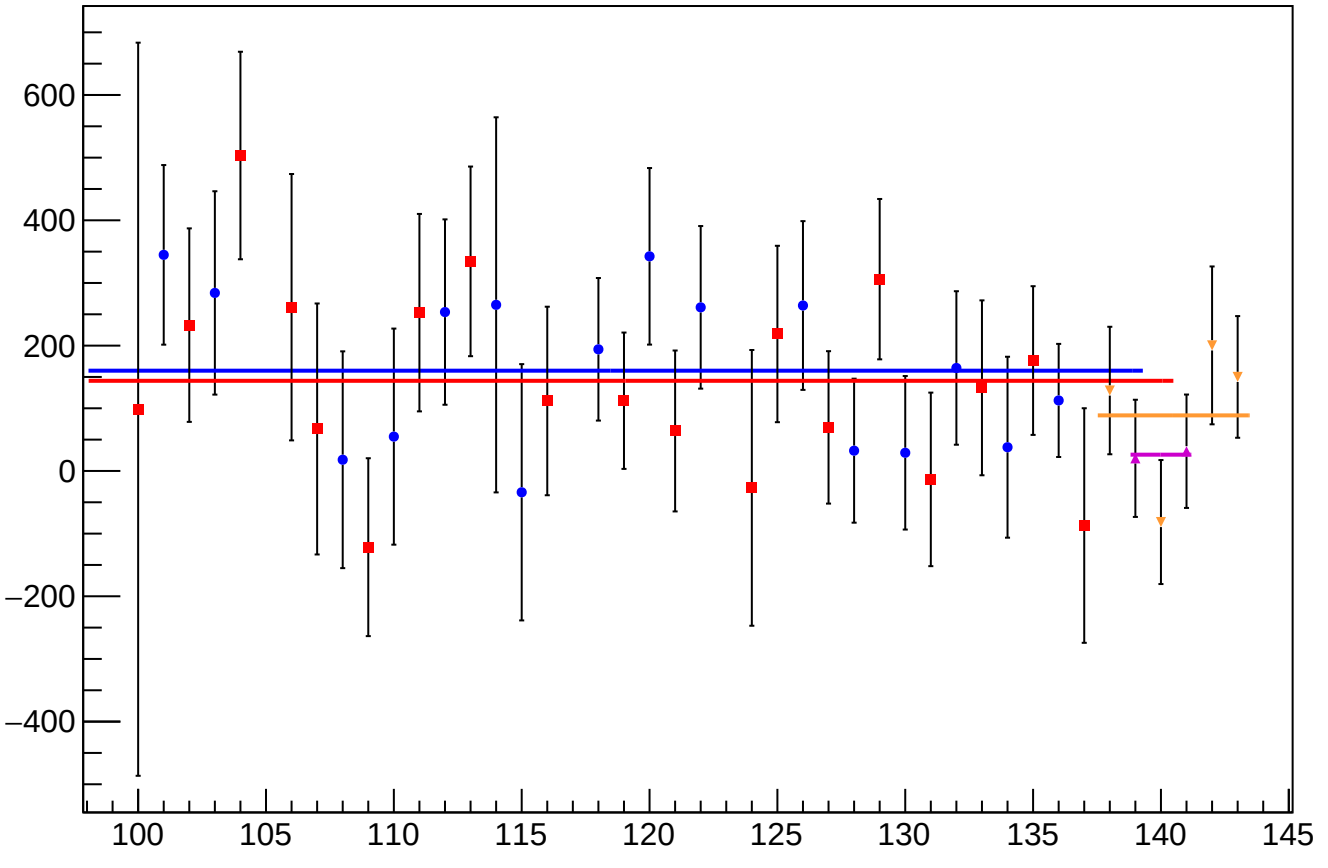
Left: 879.091+/-0.294 χ^2/NDF: 152213.6/5

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1242.030+/-0.308 χ^2/NDF:1445330.2/17

Out: 1156.924+/-0.269 χ^2/NDF:2060086.9/22

All: 1193.825+/-0.203 χ^2/NDF: 3548793.5/40



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 88.681+/-52.138 χ^2/NDF:4.3/3

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: 25.978+/-65.026 χ^2/NDF:0.0/1

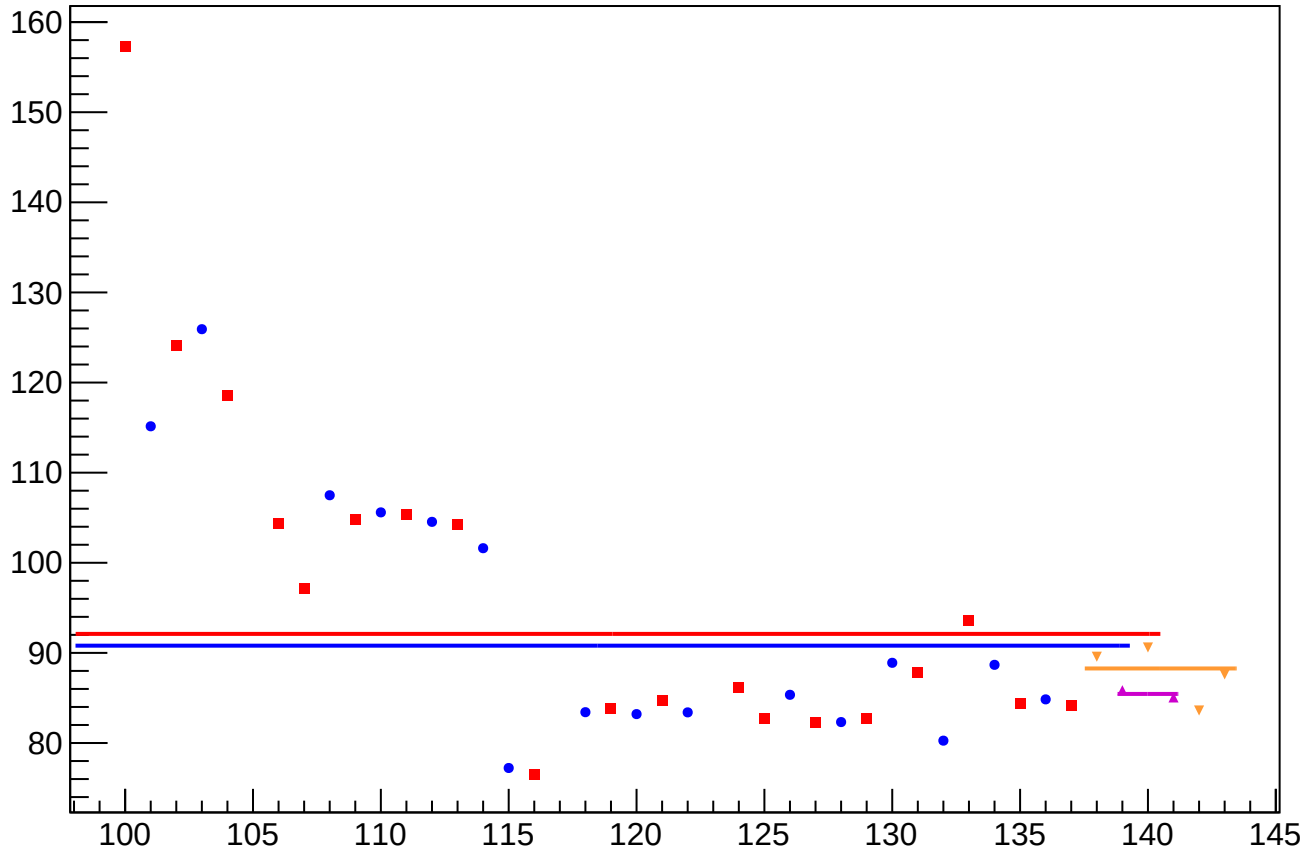
Left: 64.144+/-40.677 χ^2/NDF: 4.9/5

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 131.016+/-30.248 χ^2/NDF:14.4/17

Out: 127.251+/-28.606 χ^2/NDF:22.4/22

All: 129.028+/-20.784 χ^2/NDF: 36.8/40



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

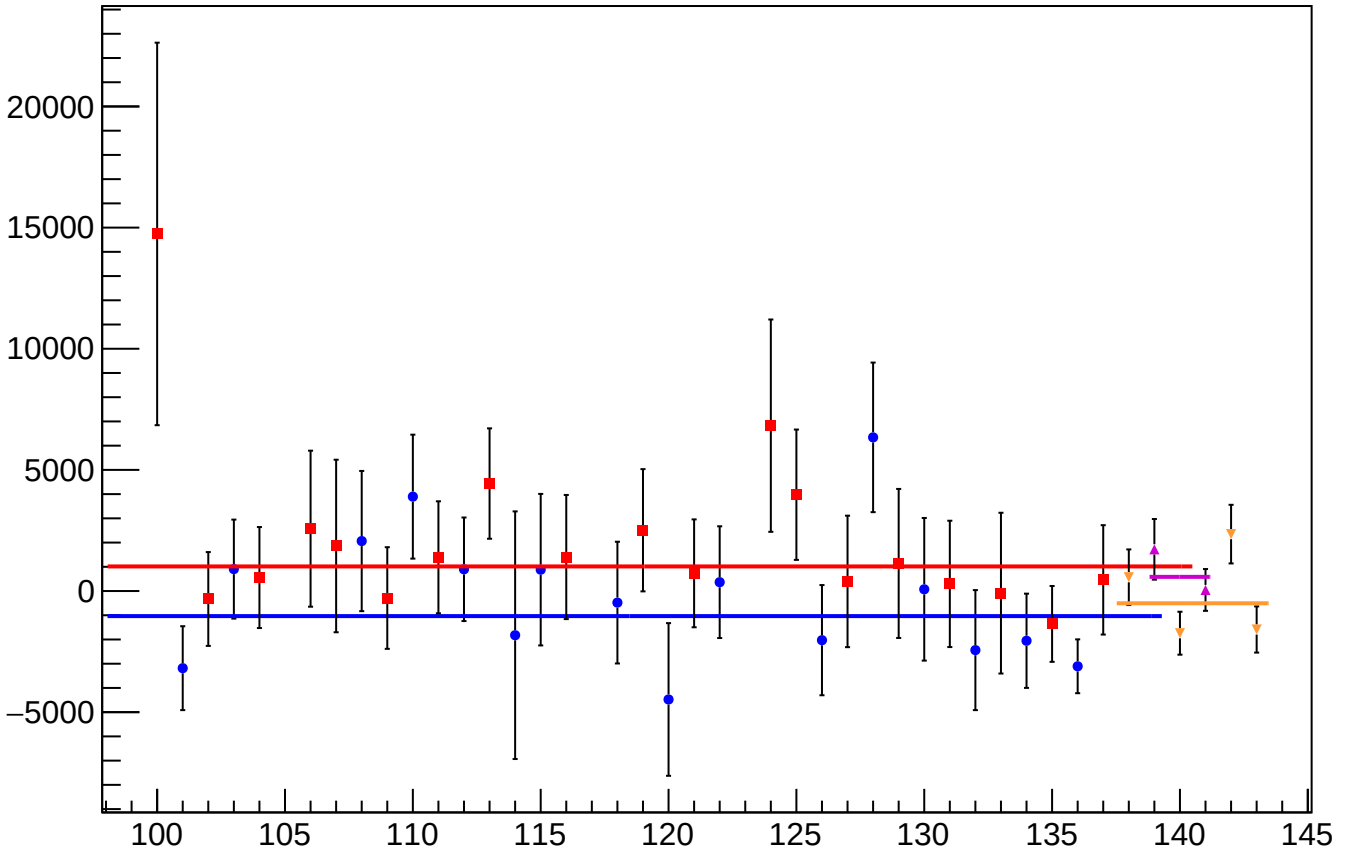
Left: 87.166+/-0.029 χ^2/NDF: 6646.4/5

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 89.643+/-0.021 χ^2/NDF:283467.0/17

Out: 90.953+/-0.020 χ^2/NDF:312606.0/22

All: 90.335+/-0.015 χ^2/NDF: 598054.8/40



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -505.510+/-511.872 χ^2/NDF:9.7/3

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 585.073+/-710.093 χ^2/NDF:1.2/1

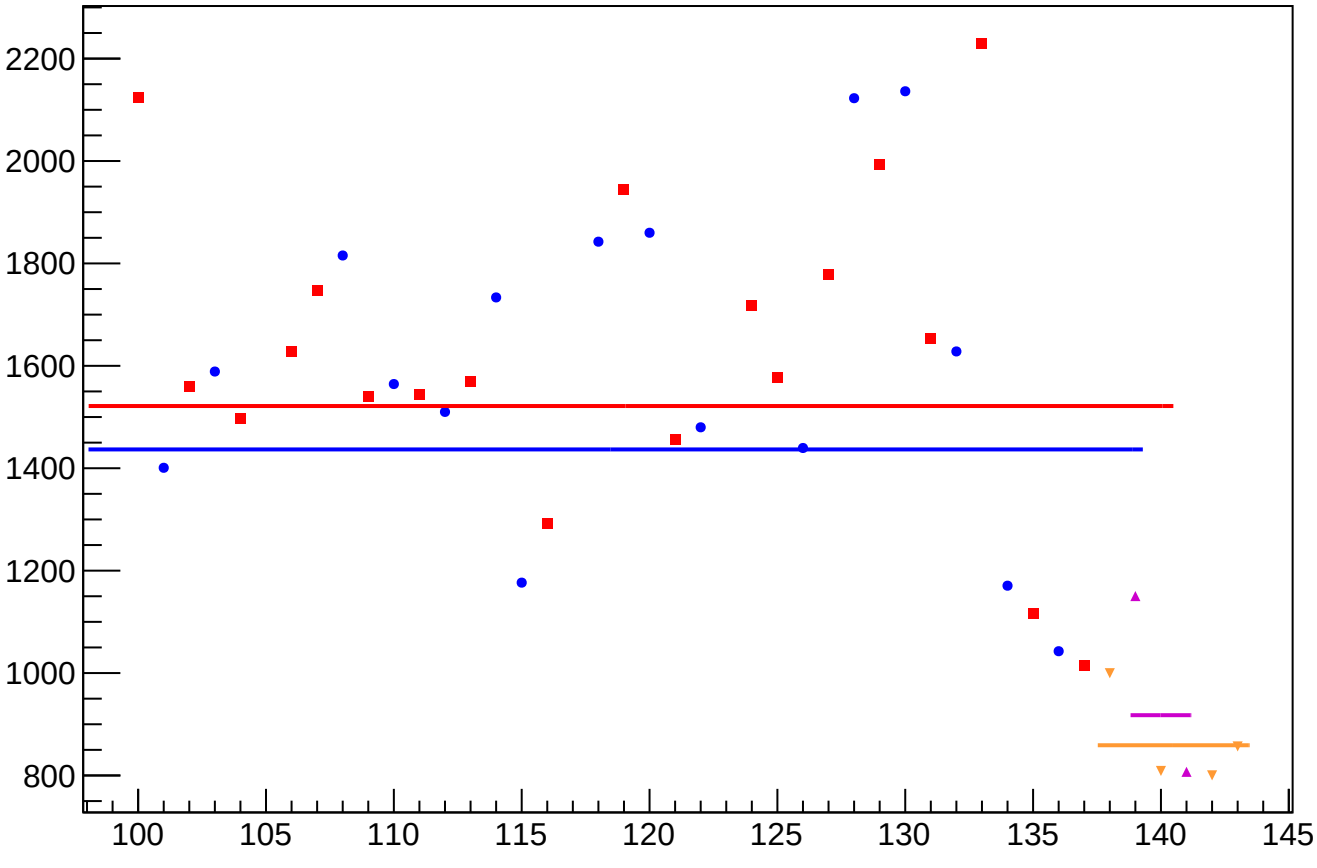
Left: -132.592+/-415.234 χ^2/NDF: 12.4/5

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -427.240+/-434.927 χ^2/NDF:24.7/17

Out: 173.757+/-380.778 χ^2/NDF:26.1/22

All: -87.021+/-286.494 χ^2/NDF: 51.9/40



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 859.015+/-0.362 χ^2/NDF:41177.3/3

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.725+/-0.502 χ^2/NDF:102039.6/1

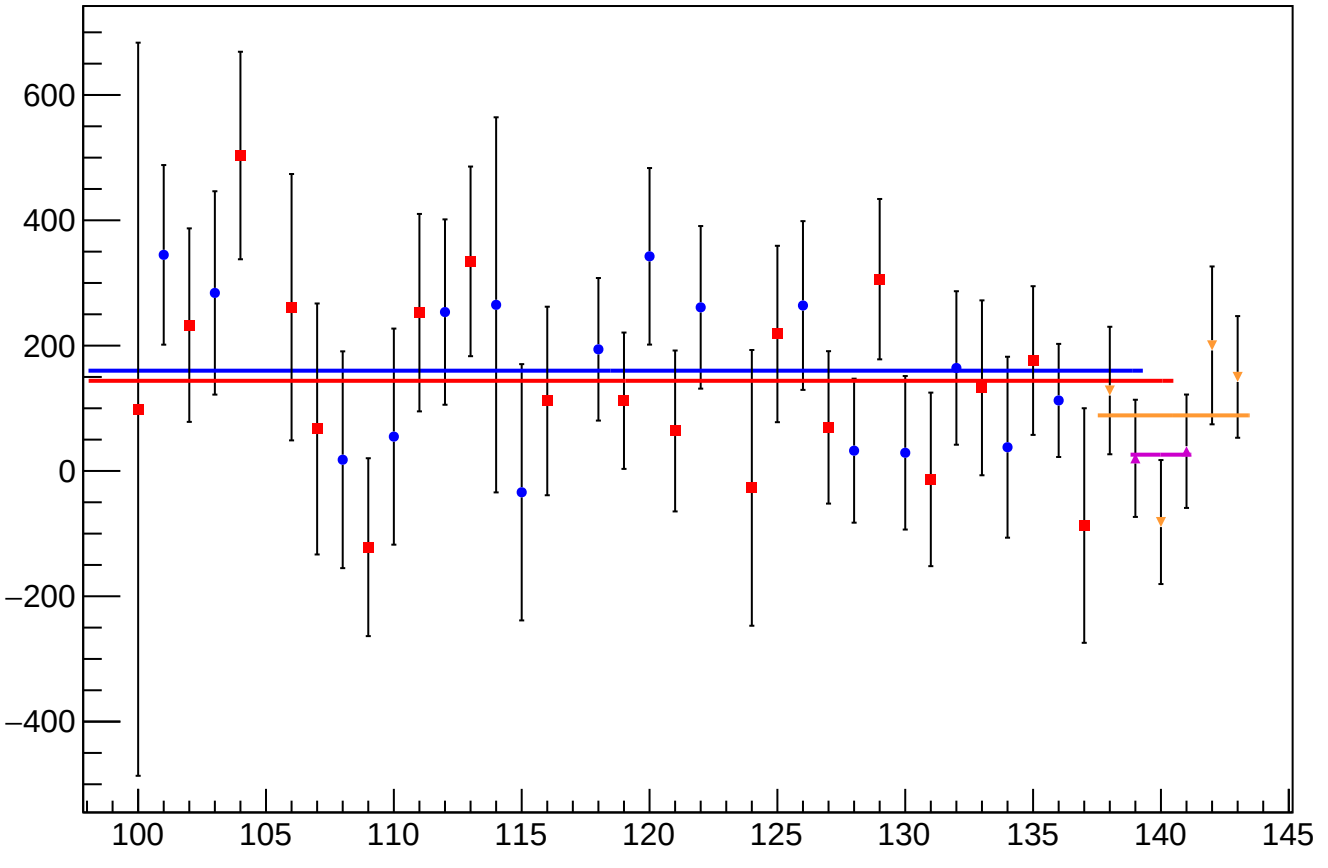
Left: 879.090+/-0.294 χ^2/NDF: 152213.9/5

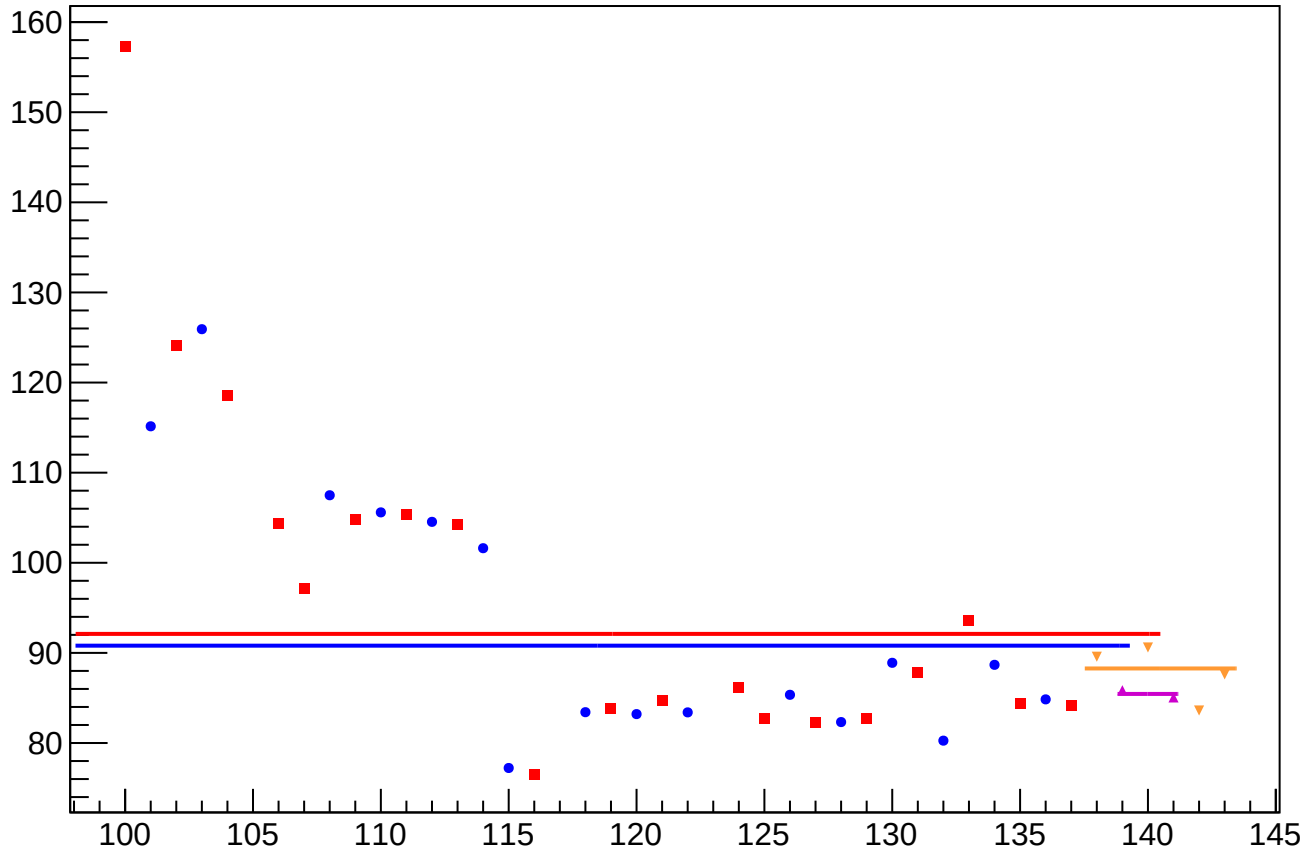
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1242.032+/-0.308 χ^2/NDF:1445345.1/17

Out: 1154.894+/-0.269 χ^2/NDF:2035760.9/22

All: 1192.704+/-0.203 χ^2/NDF: 3526552.0/40


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
105
110
115
120
125
130
135
140
145
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: 88.681+/-52.138 χ²/NDF:4.3/3
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: 25.978+/-65.026 χ²/NDF:0.0/1
Left: 64.144+/-40.677 χ²/NDF: 4.9/5
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 131.016+/-30.248 χ²/NDF:14.4/17
Out: 127.251+/-28.606 χ²/NDF:22.4/22
All: 129.028+/-20.784 χ²/NDF: 36.8/40



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 88.272+/-0.037 χ^2/NDF:4270.3/3

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 85.446+/-0.046 χ^2/NDF:76.0/1

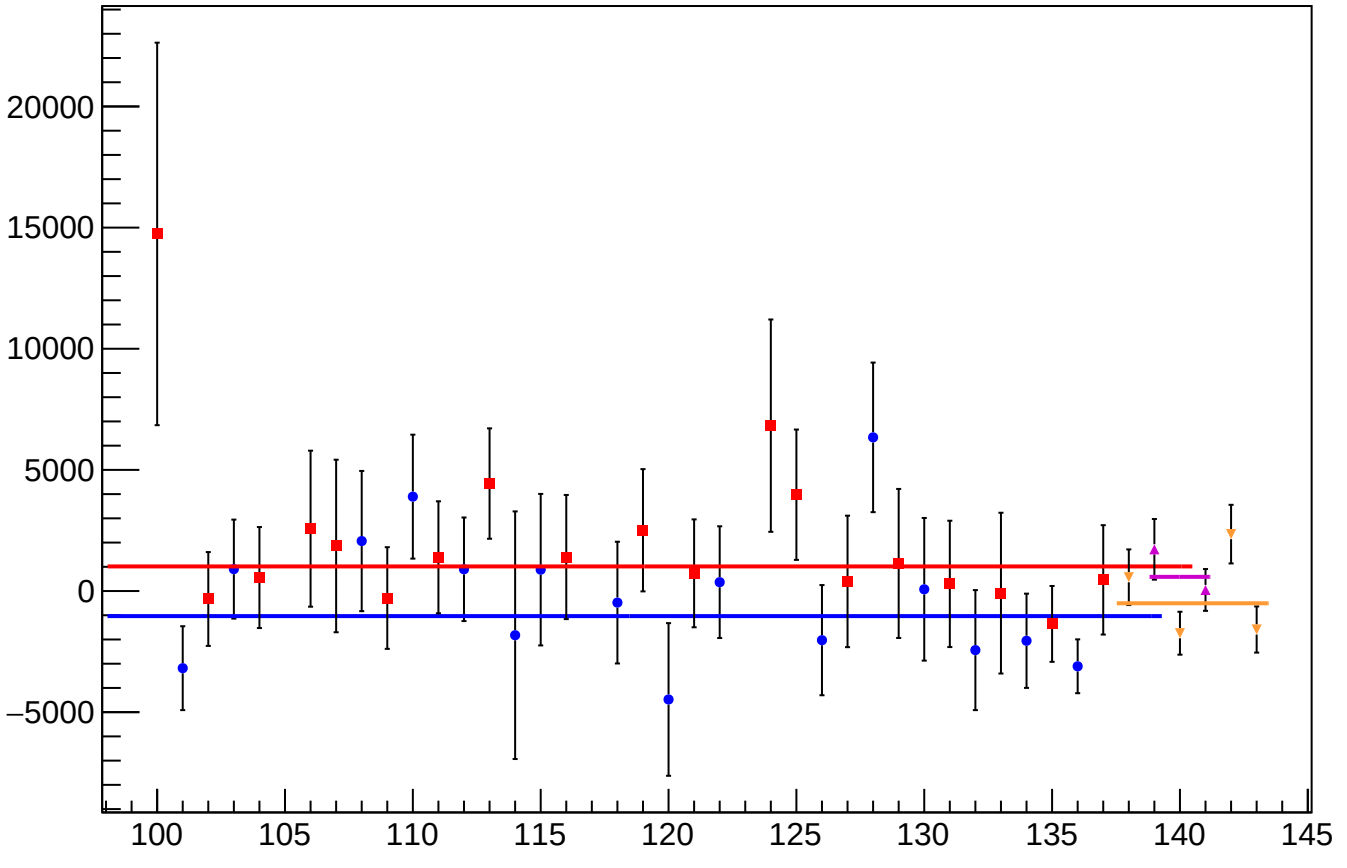
Left: 87.166+/-0.029 χ^2/NDF: 6646.4/5

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 89.643+/-0.021 χ^2/NDF:283467.0/17

Out: 90.953+/-0.020 χ^2/NDF:312606.0/22

All: 90.335+/-0.015 χ^2/NDF: 598054.8/40



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -505.510+/-511.872 χ^2/NDF:9.7/3

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 585.073+/-710.093 χ^2/NDF:1.2/1

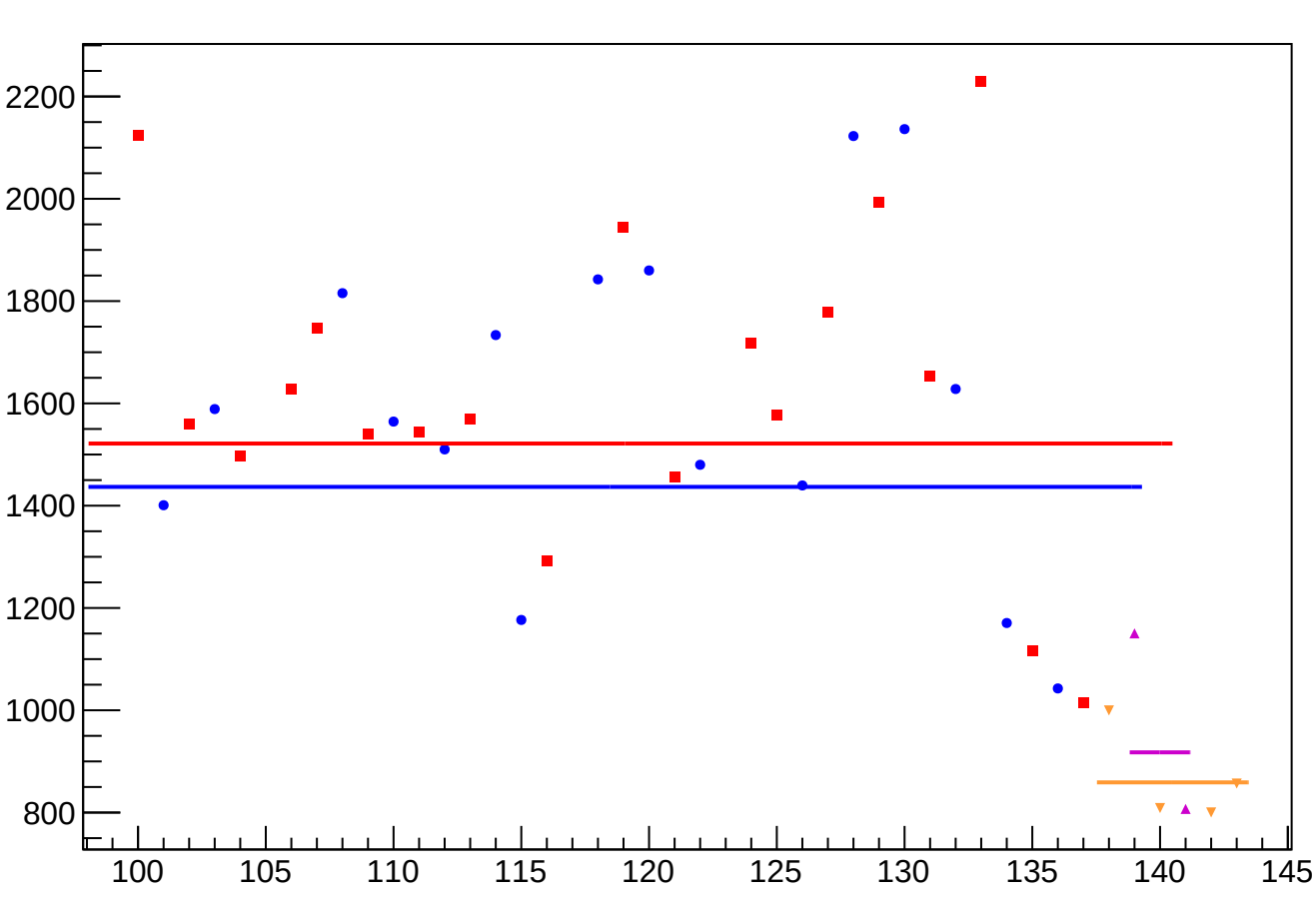
Left: -132.592+/-415.234 χ^2/NDF: 12.4/5

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -427.240+/-434.927 χ^2/NDF:24.7/17

Out: 173.757+/-380.778 χ^2/NDF:26.1/22

All: -87.021+/-286.494 χ^2/NDF: 51.9/40



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 859.015+/-0.362 χ^2/NDF:41177.3/3

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 917.725+/-0.502 χ^2/NDF:102039.6/1

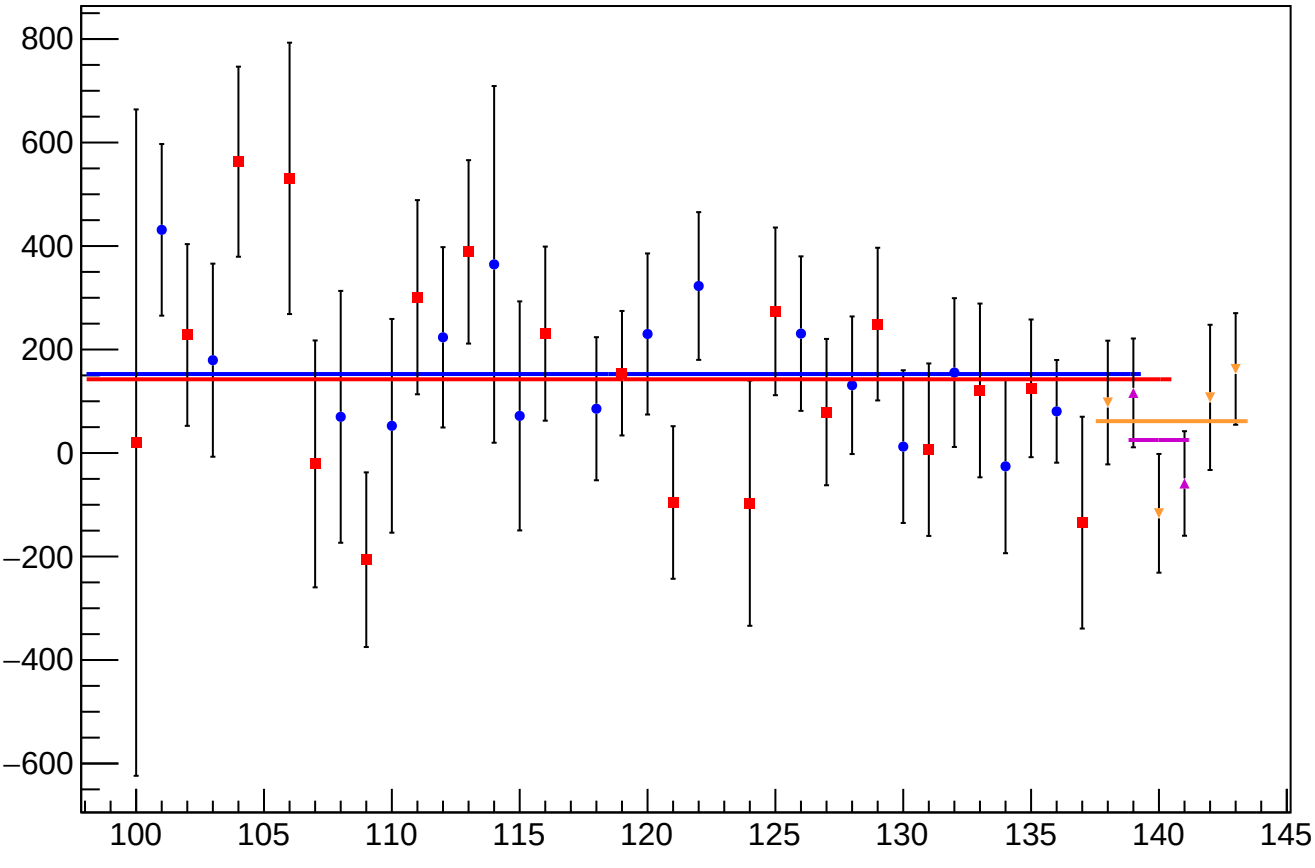
Left: 879.090+/-0.294 χ^2/NDF: 152213.9/5

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1242.032+/-0.308 χ^2/NDF:1445345.1/17

Out: 1154.894+/-0.269 χ^2/NDF:2035760.9/22

All: 1192.704+/-0.203 χ^2/NDF: 3526552.0/40



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 61.556+/-59.472 χ^2/NDF:3.5/3

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: 25.168+/-72.837 χ^2/NDF:1.4/1

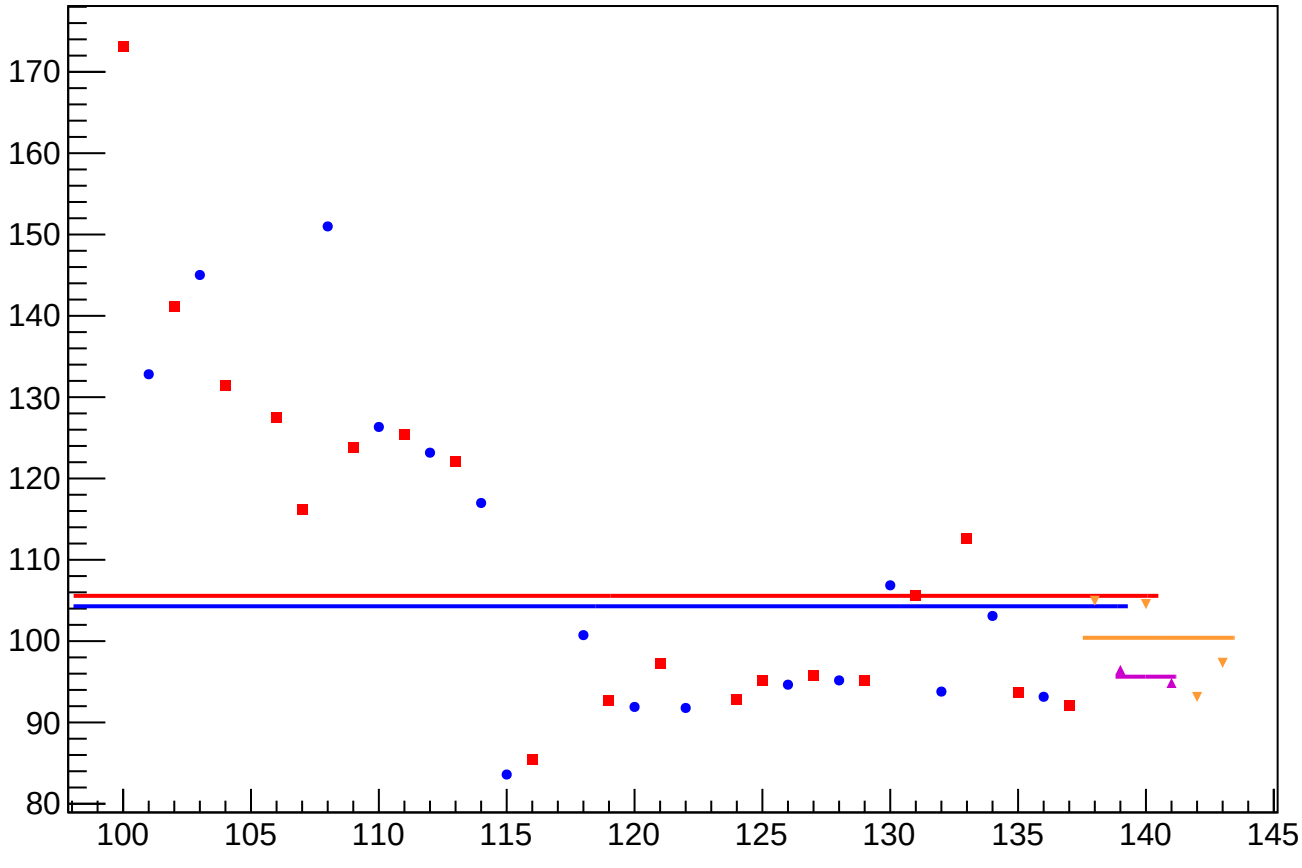
Left: 47.000+/-46.067 χ^2/NDF: 5.1/5

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 123.721+/-34.686 χ^2/NDF:12.4/17

Out: 117.859+/-32.811 χ^2/NDF:27.7/22

All: 120.627+/-23.836 χ^2/NDF: 40.1/40



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 100.411+/-0.042 χ^2/NDF:12524.9/3

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: 98.498+/-0.033 χ^2/NDF: 17941.2/5

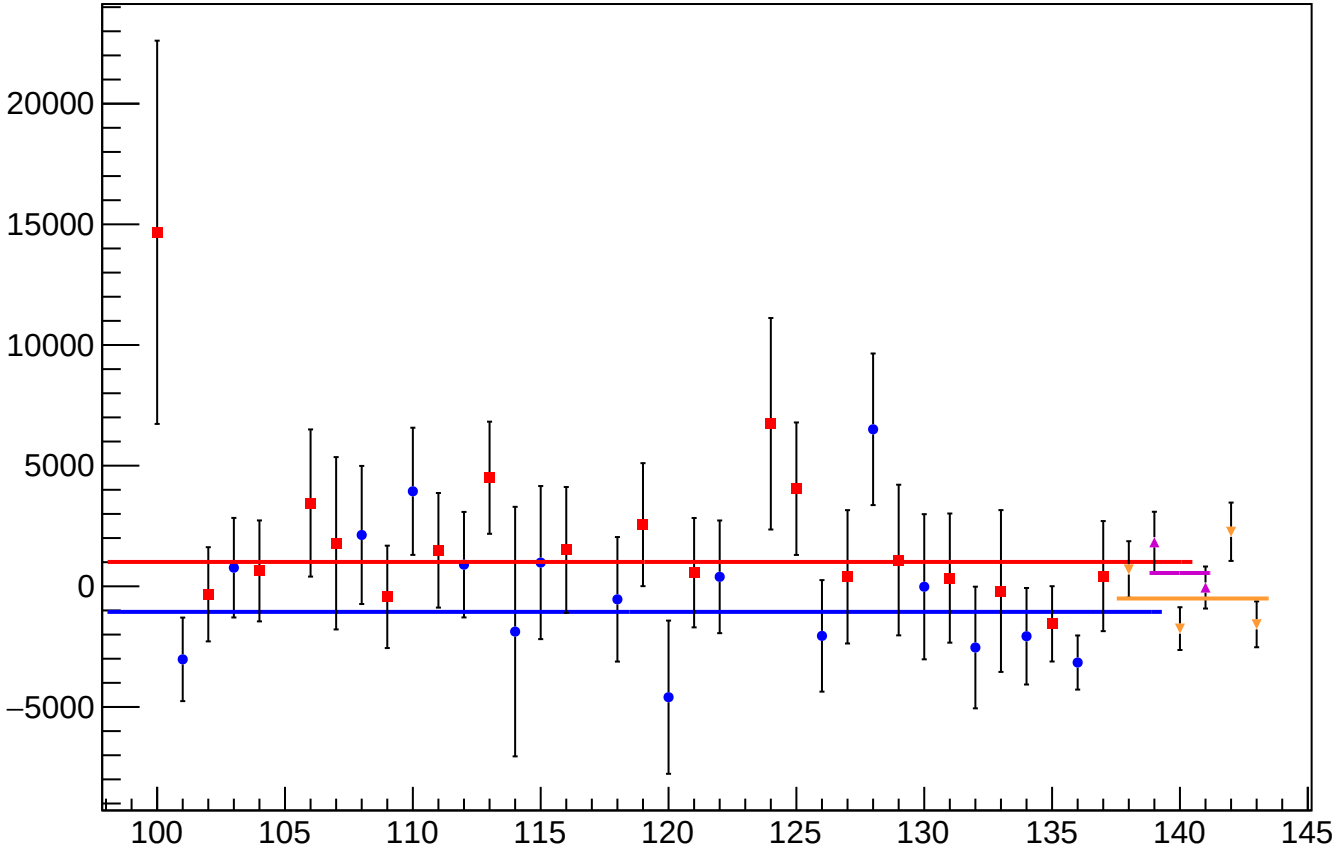
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 102.323+/-0.025 χ^2/NDF:400404.6/17

Out: 103.998+/-0.023 χ^2/NDF:367593.7/22

All: 103.207+/-0.017 χ^2/NDF: 770461.6/40

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -504.976+/-513.333 χ^2/NDF:9.5/3

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 552.605+/-717.172 χ^2/NDF:1.5/1

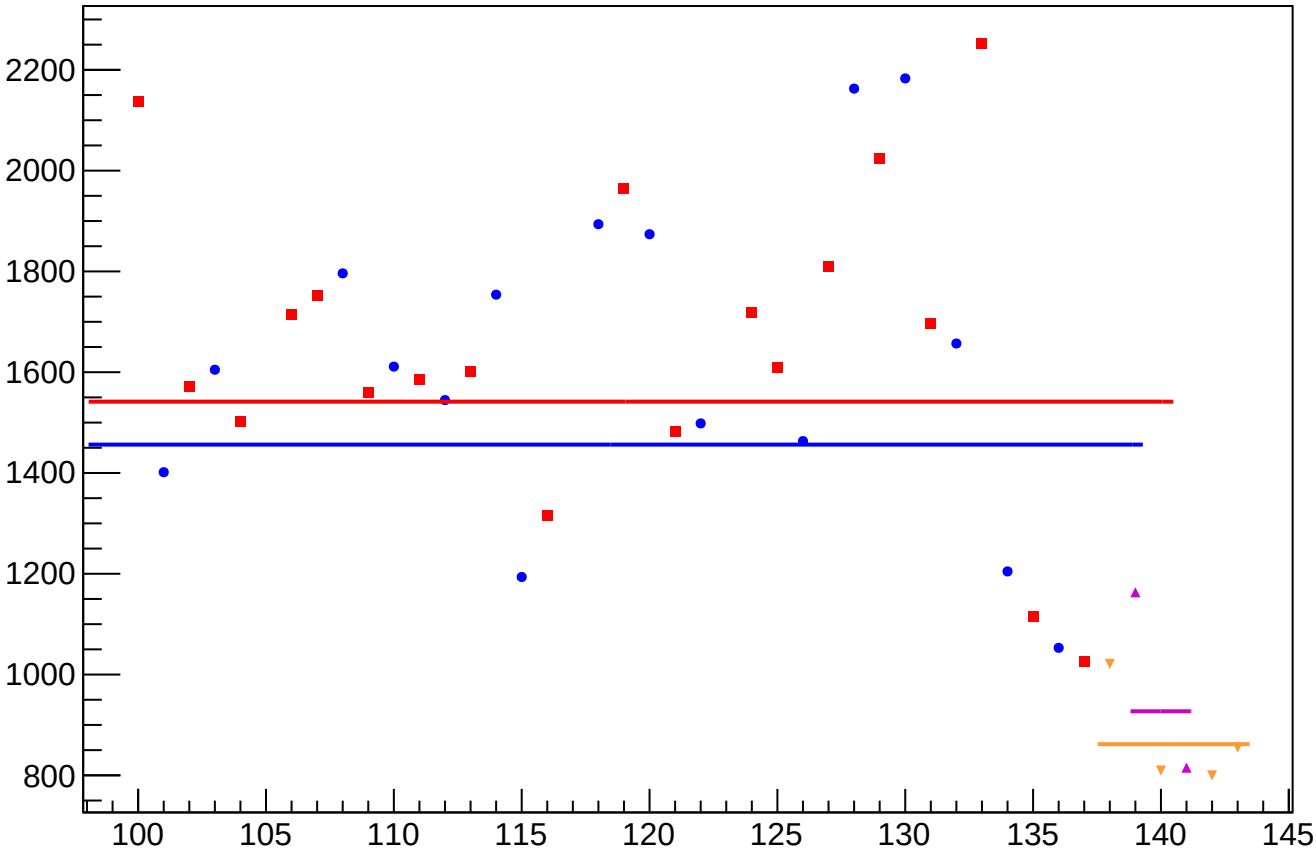
Left: -146.700+/-417.422 χ^2/NDF: 12.5/5

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -451.983+/-440.225 χ^2/NDF:24.7/17

Out: 166.774+/-382.964 χ^2/NDF:26.7/22

All: -99.771+/-288.935 χ^2/NDF: 52.5/40



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 861.853+/-0.363 χ^2/NDF:49387.6/3

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 927.095+/-0.507 χ^2/NDF:102727.5/1

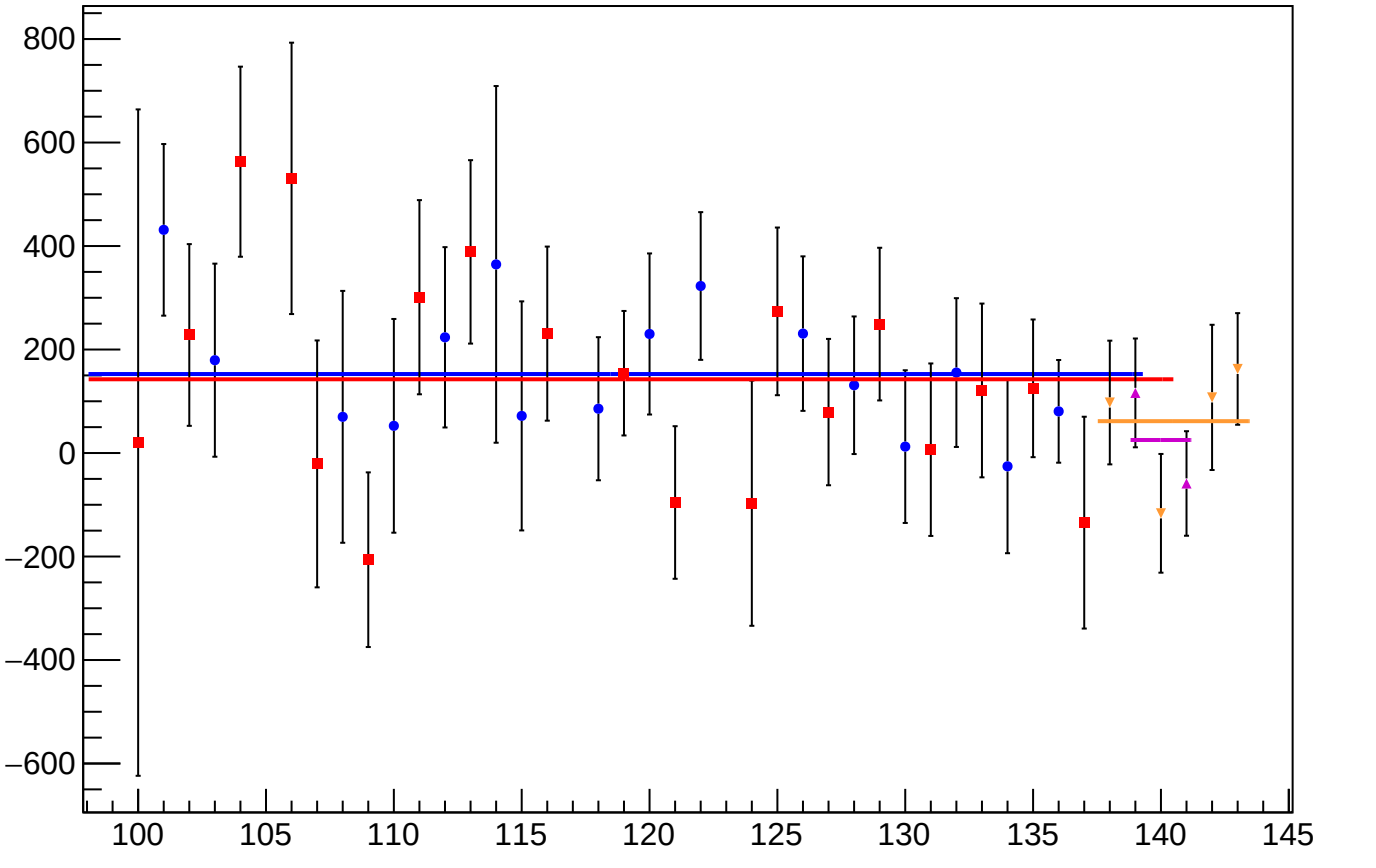
Left: 883.955+/-0.295 χ^2/NDF: 163059.4/5

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1256.902+/-0.311 χ^2/NDF:1466219.8/17

Out: 1163.241+/-0.271 χ^2/NDF:2123455.4/22

All: 1203.588+/-0.204 χ^2/NDF: 3641207.4/40



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 61.554+/-59.472 χ^2/NDF:3.5/3

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: 25.168+/-72.836 χ^2/NDF:1.4/1

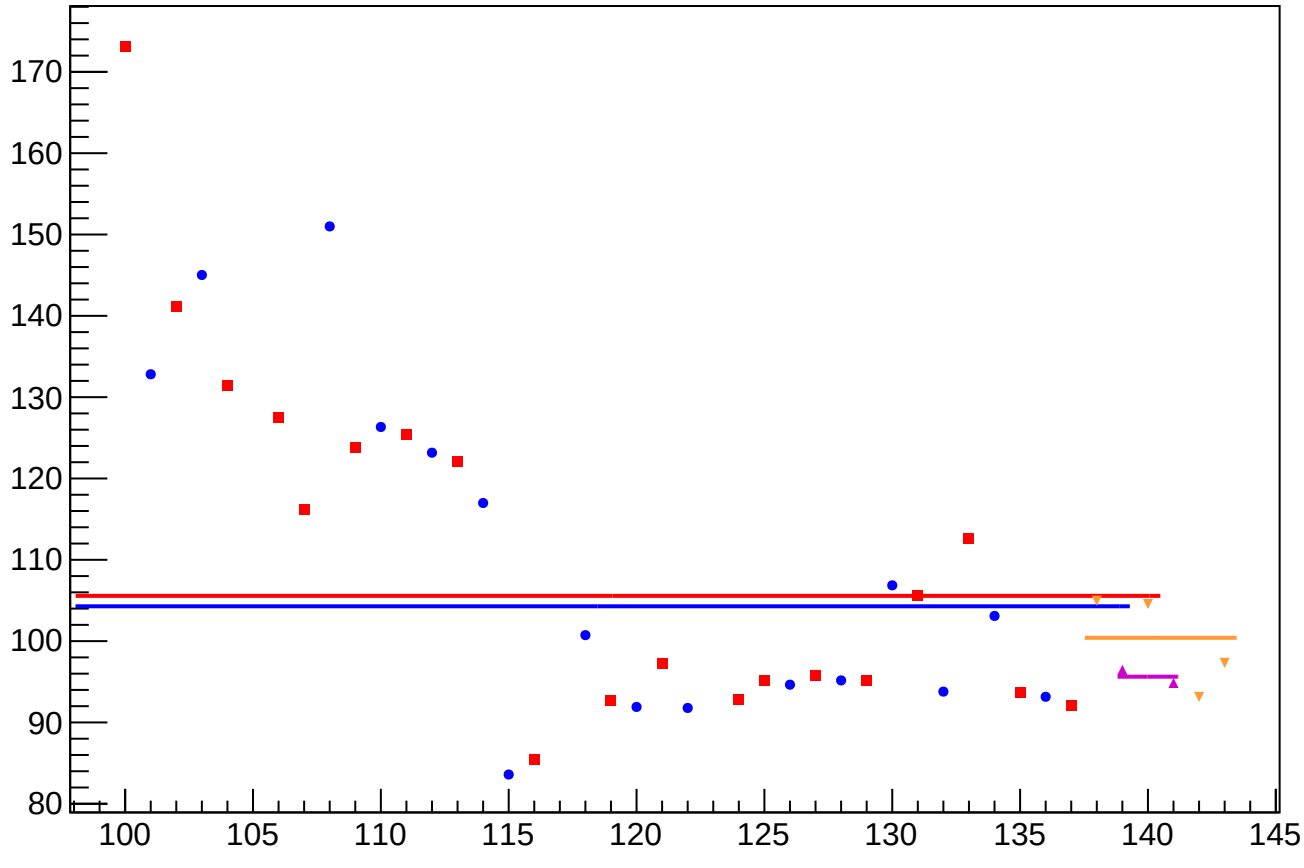
Left: 46.999+/-46.066 χ^2/NDF: 5.1/5

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 123.722+/-34.686 χ^2/NDF:12.4/17

Out: 117.858+/-32.811 χ^2/NDF:27.7/22

All: 120.627+/-23.836 χ^2/NDF: 40.1/40



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 100.411+/-0.042 χ^2/NDF:12524.1/3

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 95.628+/-0.052 χ^2/NDF:242.7/1

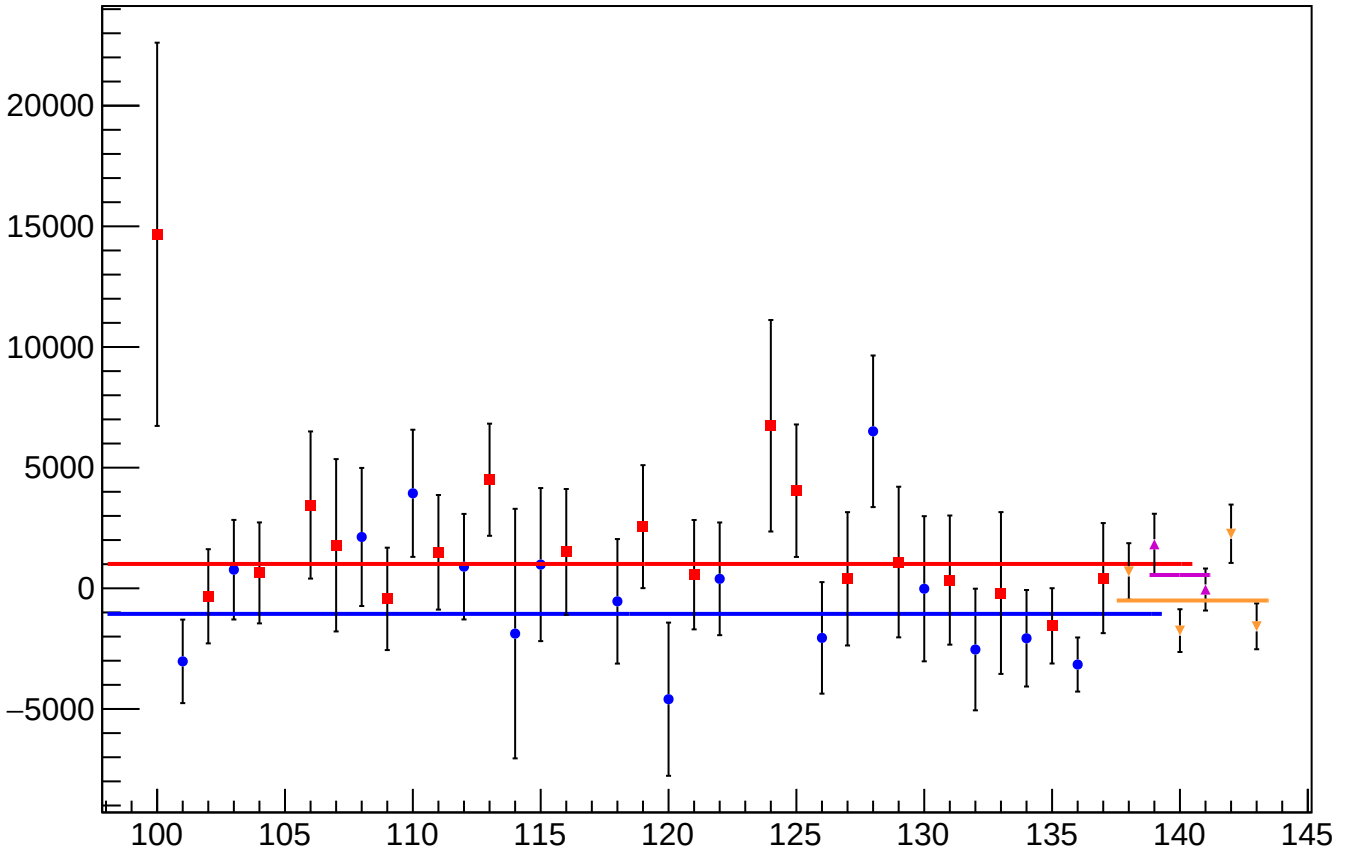
Left: 98.497+/-0.033 χ^2/NDF: 17940.6/5

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 102.322+/-0.025 χ^2/NDF:400402.8/17

Out: 103.998+/-0.023 χ^2/NDF:367589.5/22

All: 103.206+/-0.017 χ^2/NDF: 770456.5/40



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -504.978+/-513.333 χ^2/NDF:9.5/3

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 552.606+/-717.171 χ^2/NDF:1.5/1

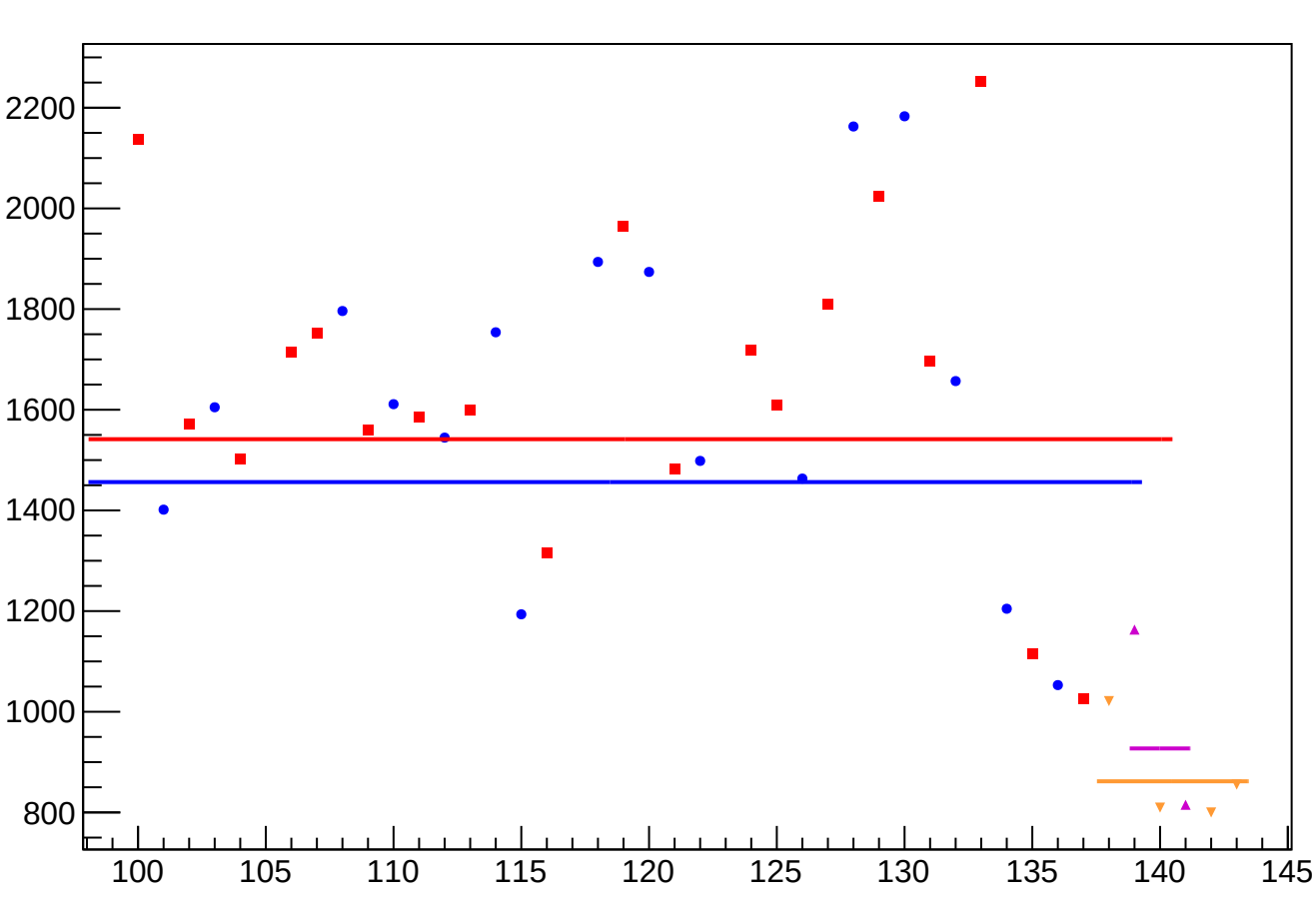
Left: -146.701+/-417.422 χ^2/NDF: 12.5/5

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -451.980+/-440.224 χ^2/NDF:24.7/17

Out: 166.773+/-382.963 χ^2/NDF:26.7/22

All: -99.771+/-288.934 χ^2/NDF: 52.5/40



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 861.853+/-0.363 χ^2/NDF:49386.1/3

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: 883.954+/-0.295 χ^2/NDF: 163057.0/5

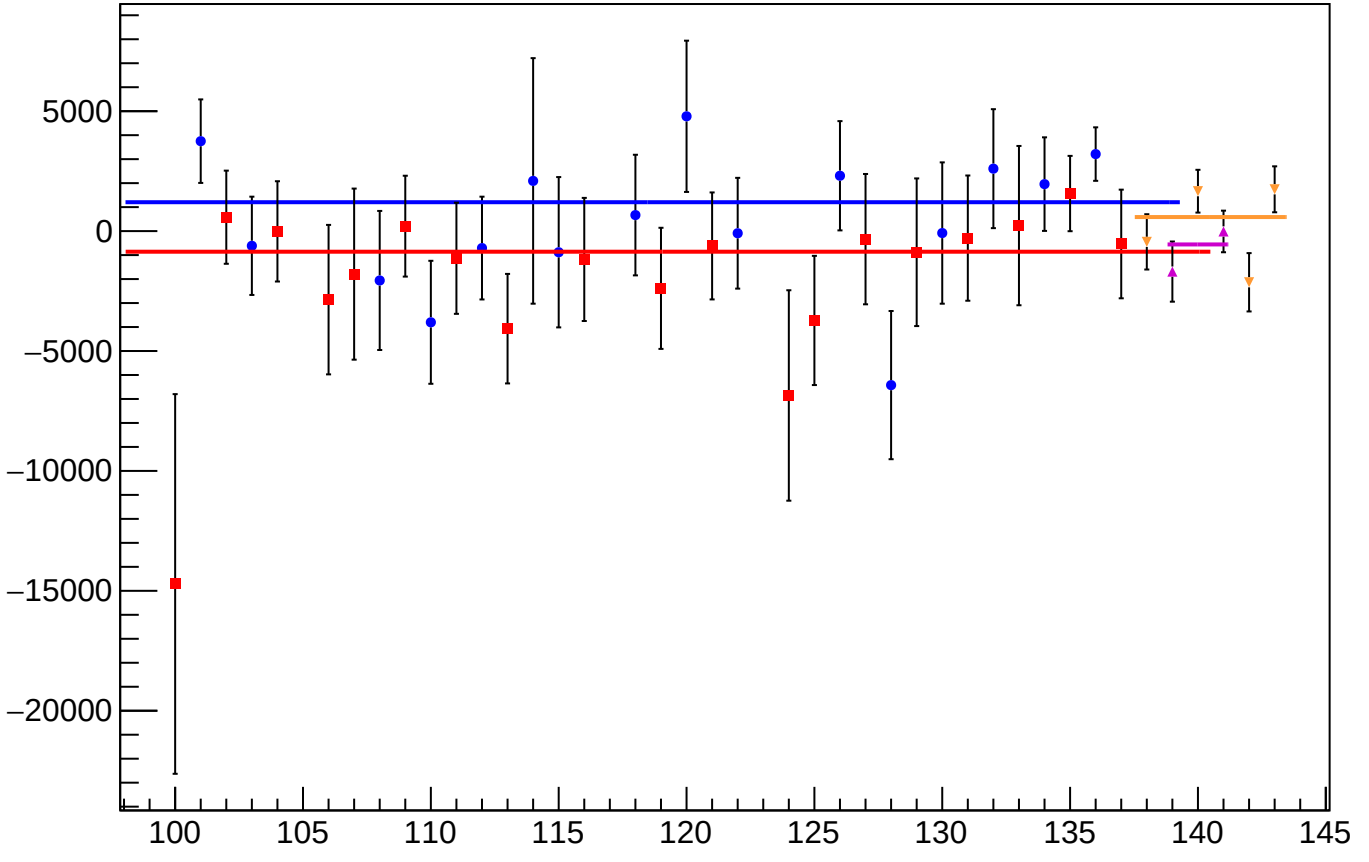
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1256.900+/-0.311 χ^2/NDF:1466216.2/17

Out: 1163.240+/-0.271 χ^2/NDF:2123447.6/22

All: 1203.586+/-0.204 χ^2/NDF: 3641195.2/40

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 585.771+/-514.700 χ^2/NDF:8.7/3

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: 194.921+/-417.420 χ^2/NDF: 11.6/5

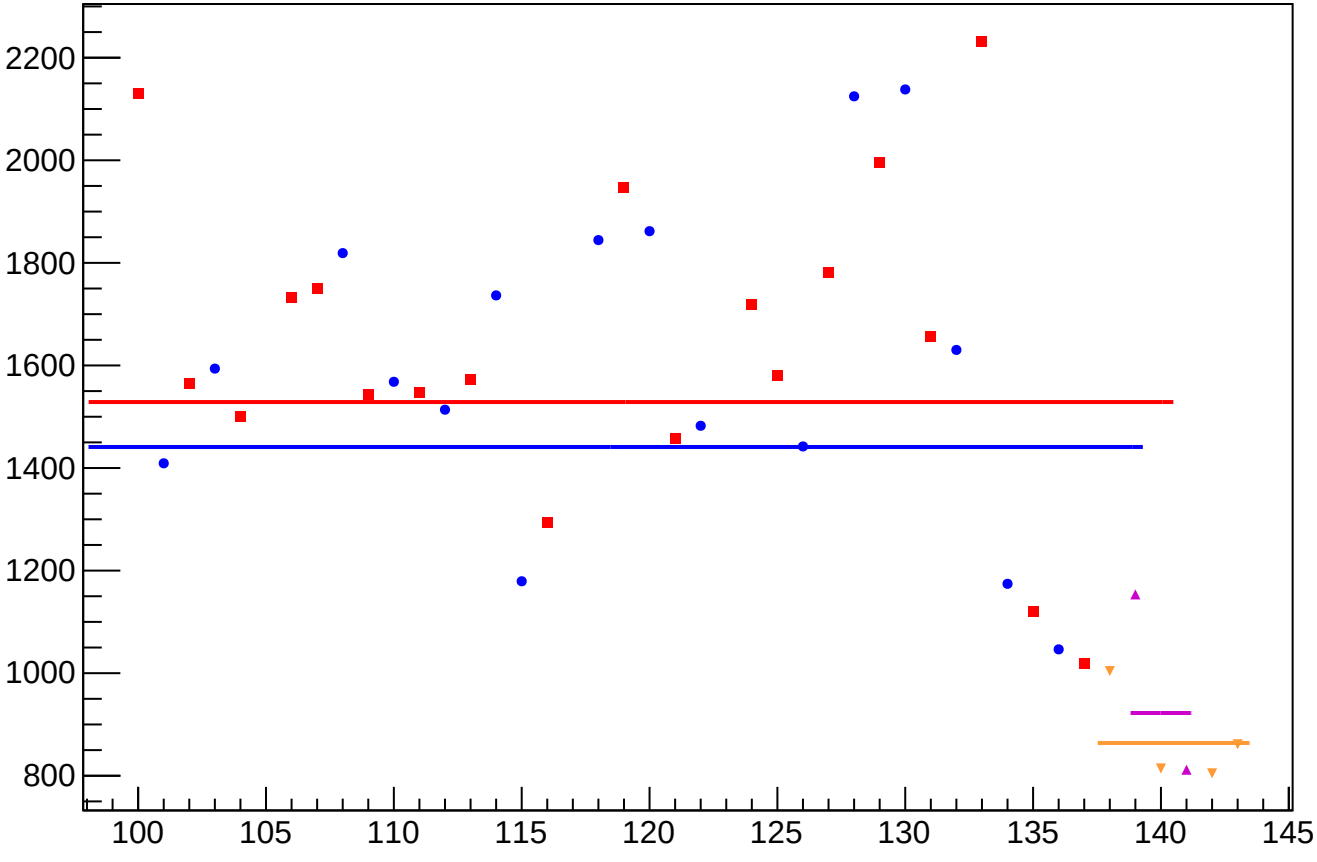
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 545.776+/-436.455 χ^2/NDF:26.2/17

Out: -62.787+/-382.124 χ^2/NDF:24.8/22

All: 201.280+/-287.504 χ^2/NDF: 52.0/40

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 863.903+/-0.364 χ^2/NDF:40537.7/3

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 922.367+/-0.505 χ^2/NDF:100451.5/1

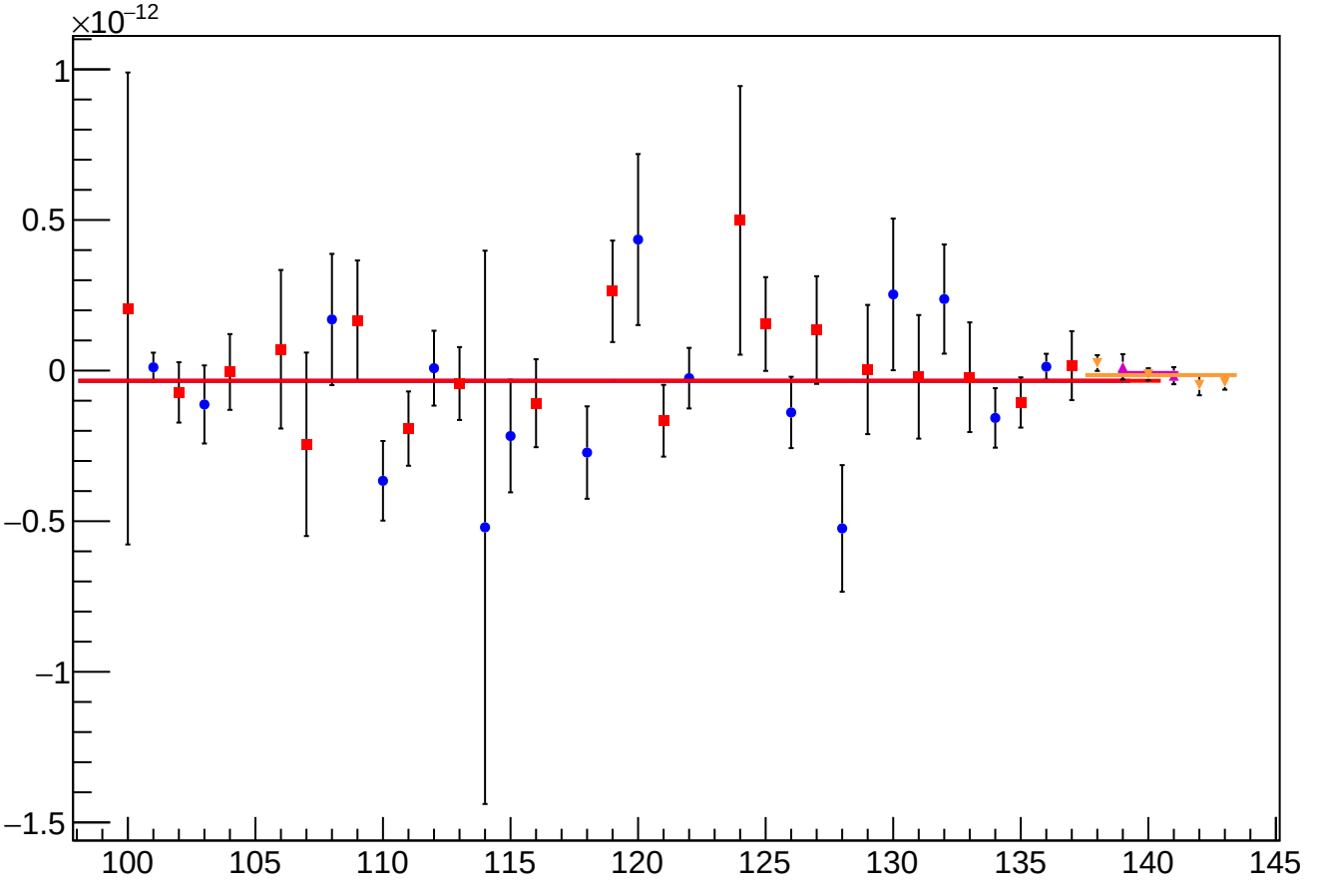
Left: 883.914+/-0.295 χ^2/NDF: 149821.8/5

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1246.937+/-0.309 χ^2/NDF:1432514.8/17

Out: 1162.249+/-0.270 χ^2/NDF:2039525.9/22

All: 1198.997+/-0.203 χ^2/NDF: 3514666.7/40



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/1

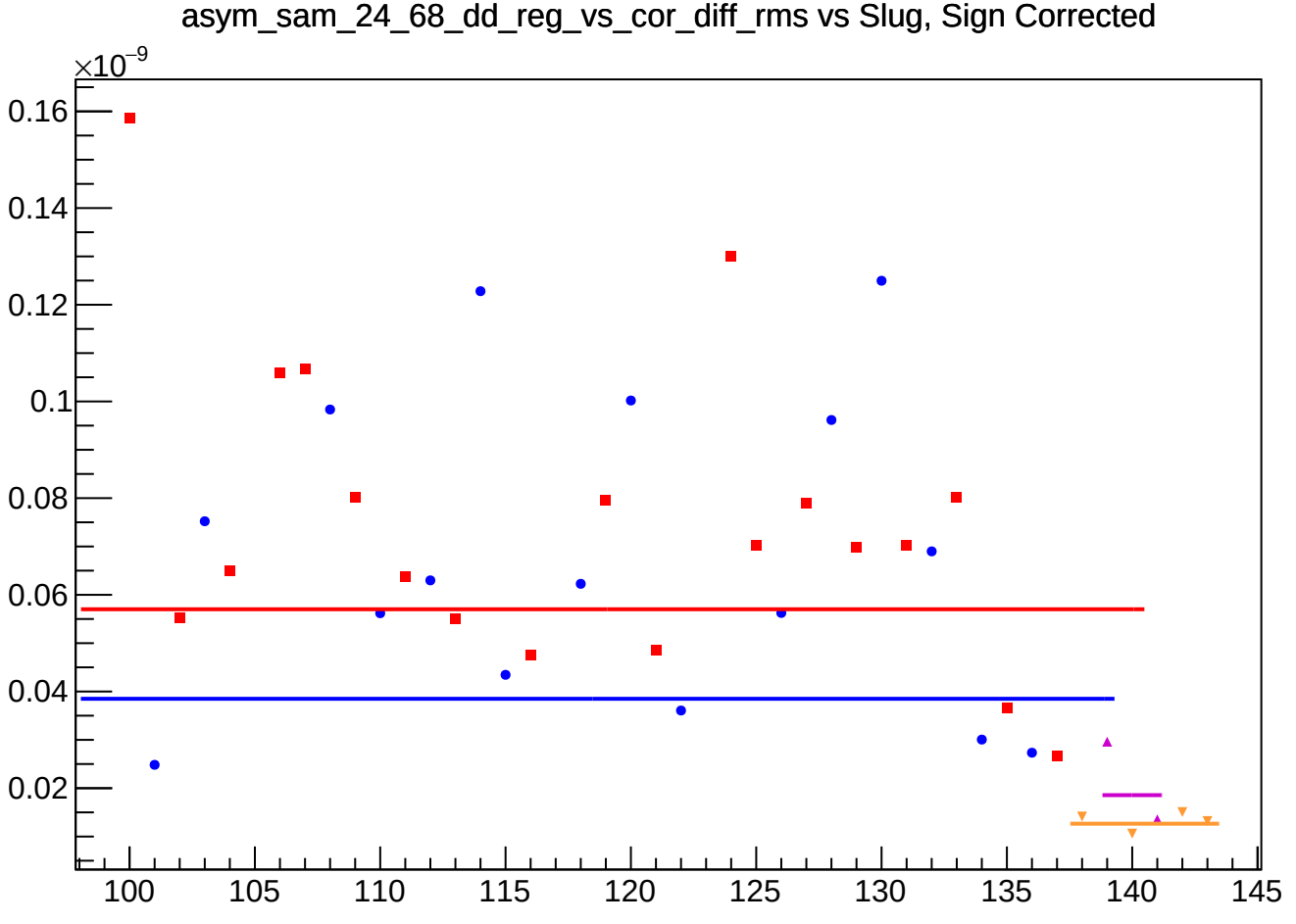
Left: -0.000+/-0.000 χ^2/NDF: 4.5/5

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:17.4/22

All: -0.000+/-0.000 χ^2/NDF: 45.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37480.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:201382.9/1

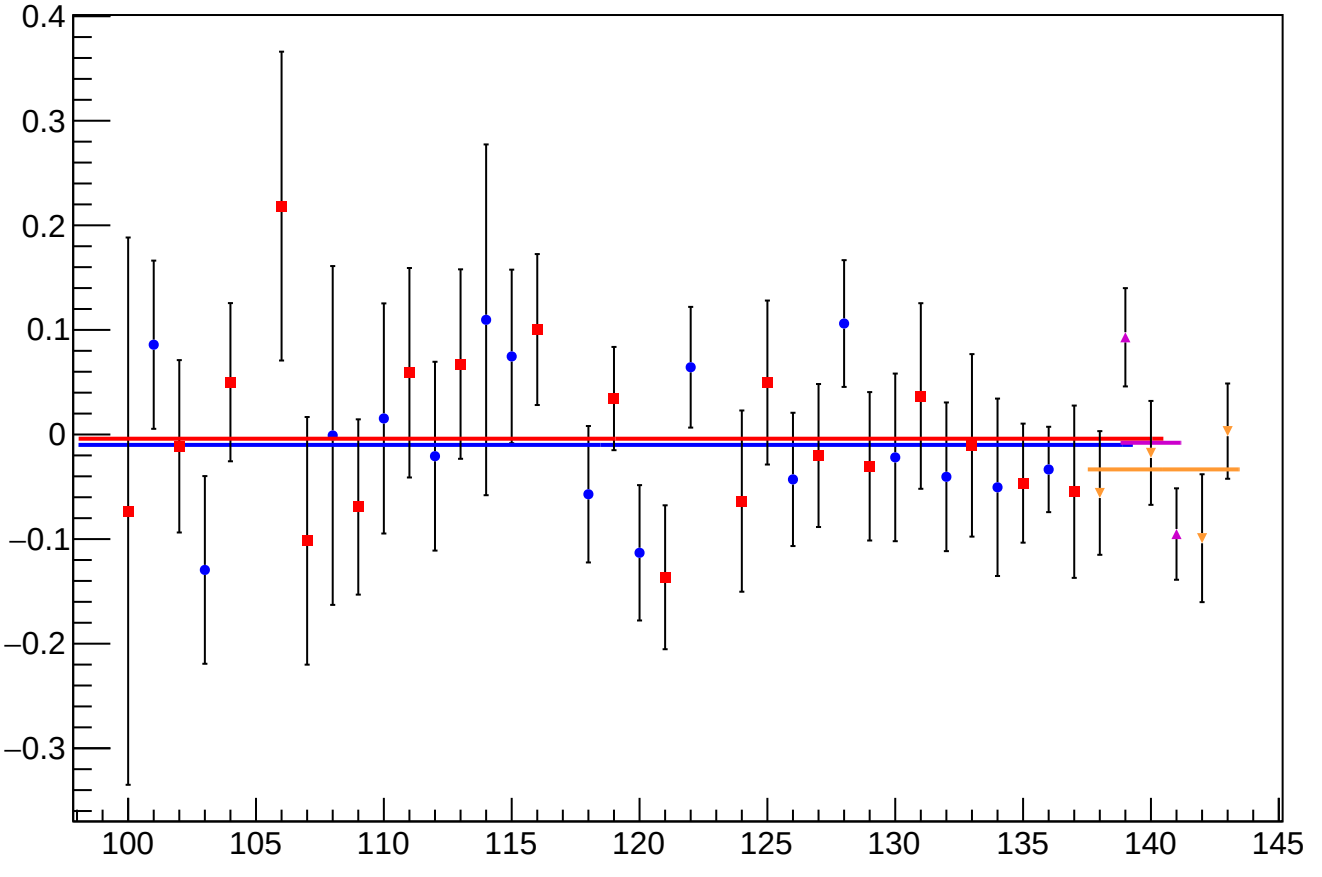
Left: 0.000+/-0.000 χ^2/NDF: 337431.2/5

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:3726370.3/22

All: 0.000+/-0.000 χ^2/NDF: 6433680.8/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

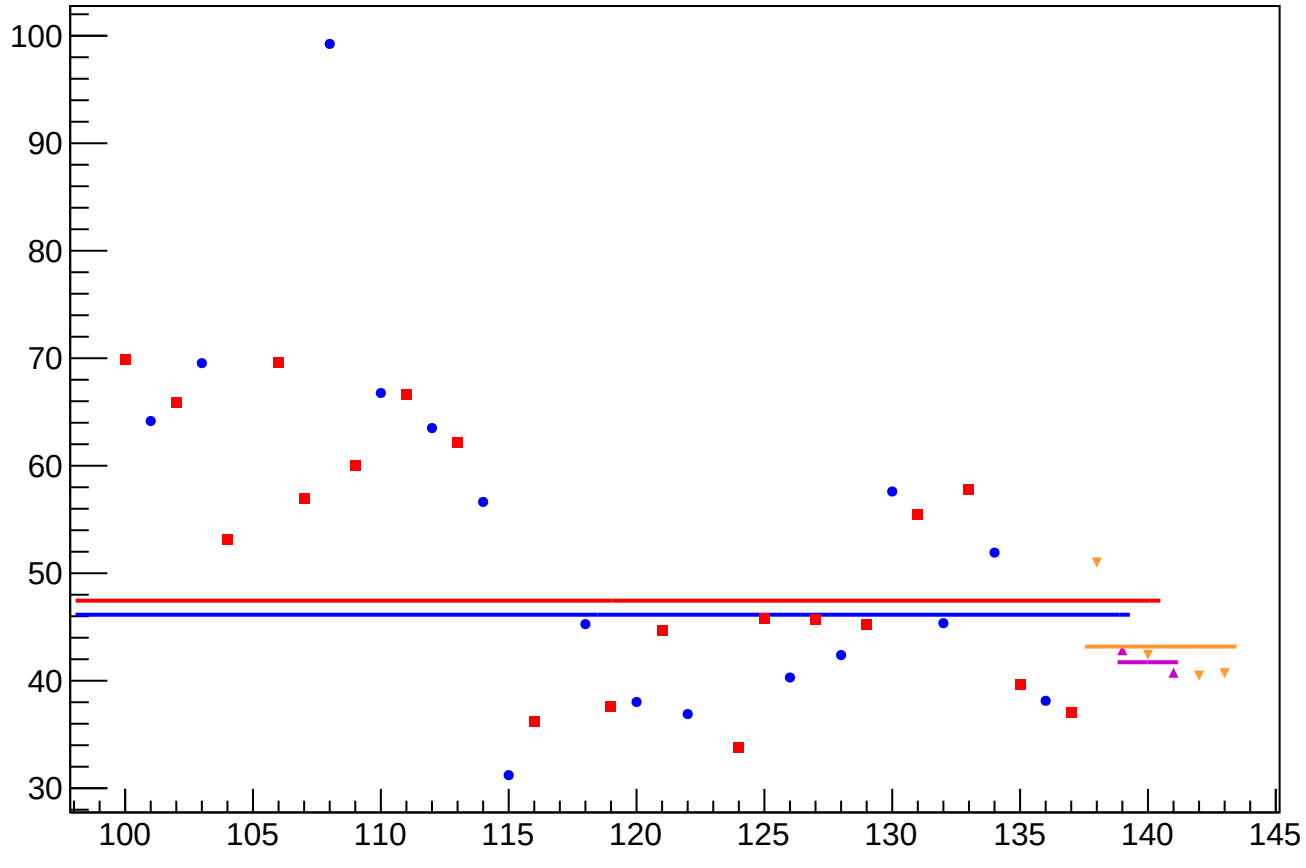
Left: -0.023+/-0.020 χ^2/NDF: 11.0/5

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.012+/-0.011 χ^2/NDF: 39.6/40



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 43.179+/-0.019 χ^2/NDF:45346.5/3

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 41.718+/-0.023 χ^2/NDF:2124.6/1

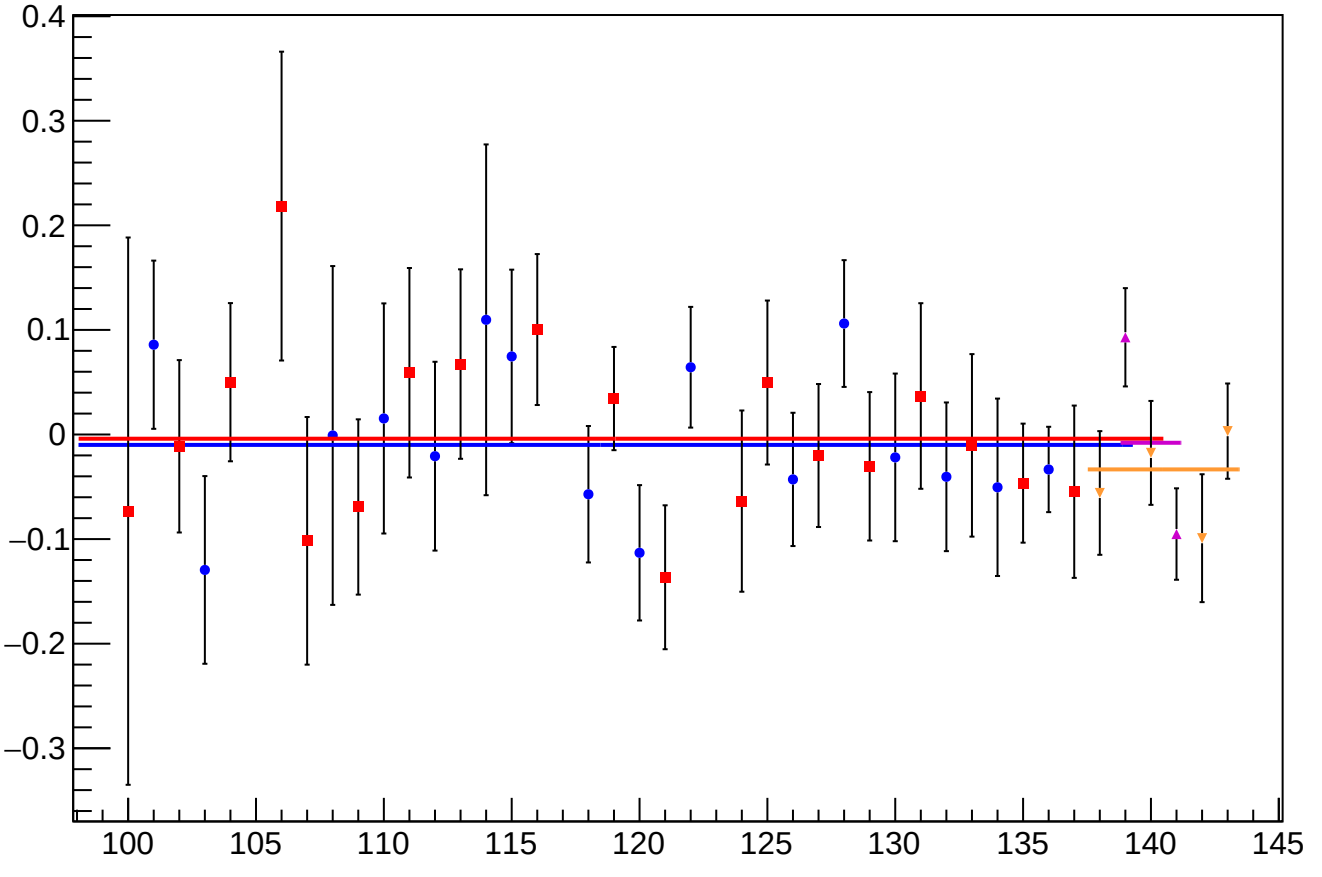
Left: 42.589+/-0.014 χ^2/NDF: 49954.8/5

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 45.079+/-0.011 χ^2/NDF:934435.4/17

Out: 46.081+/-0.011 χ^2/NDF:735755.6/22

All: 45.605+/-0.008 χ^2/NDF: 1674477.1/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

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: -0.023+/-0.020 χ^2/NDF: 11.0/5

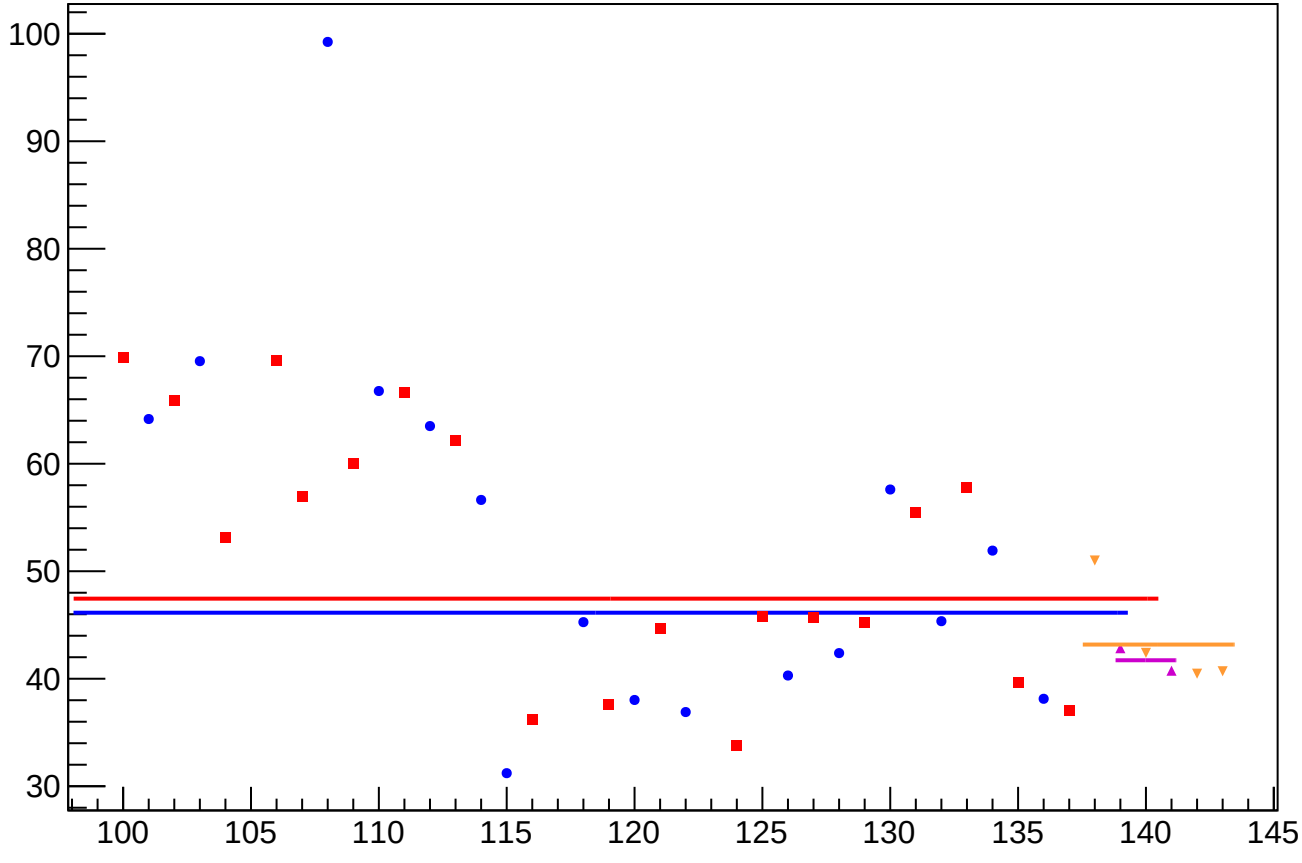
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.012+/-0.011 χ^2/NDF: 39.6/40

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: 43.179+/-0.019 χ^2/NDF:45346.5/3

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 41.718+/-0.023 χ^2/NDF:2124.6/1

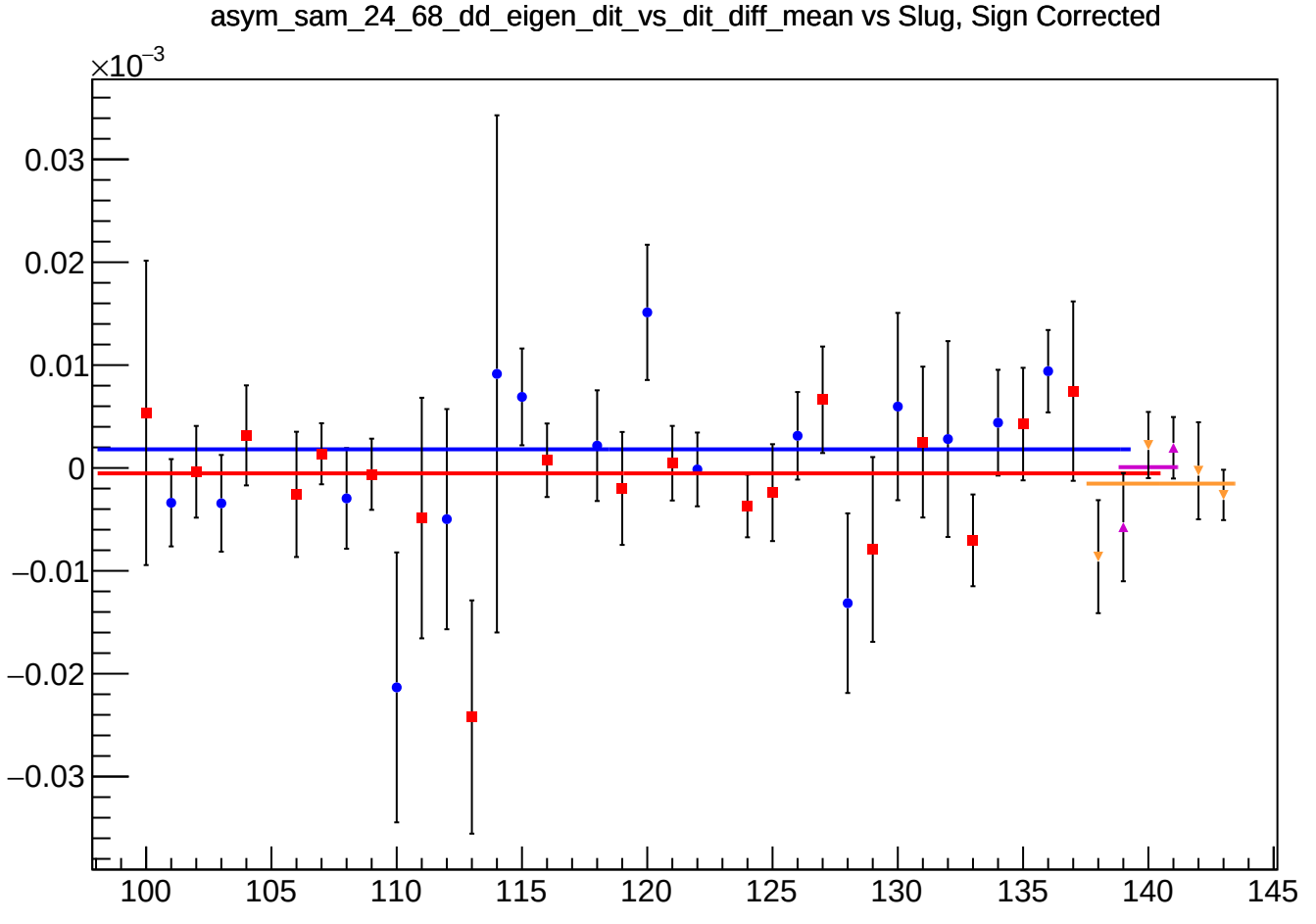
Left: 42.589+/-0.014 χ^2/NDF: 49954.8/5

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 45.079+/-0.011 χ^2/NDF:934435.4/17

Out: 46.081+/-0.011 χ^2/NDF:735755.6/22

All: 45.605+/-0.008 χ^2/NDF: 1674477.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/1

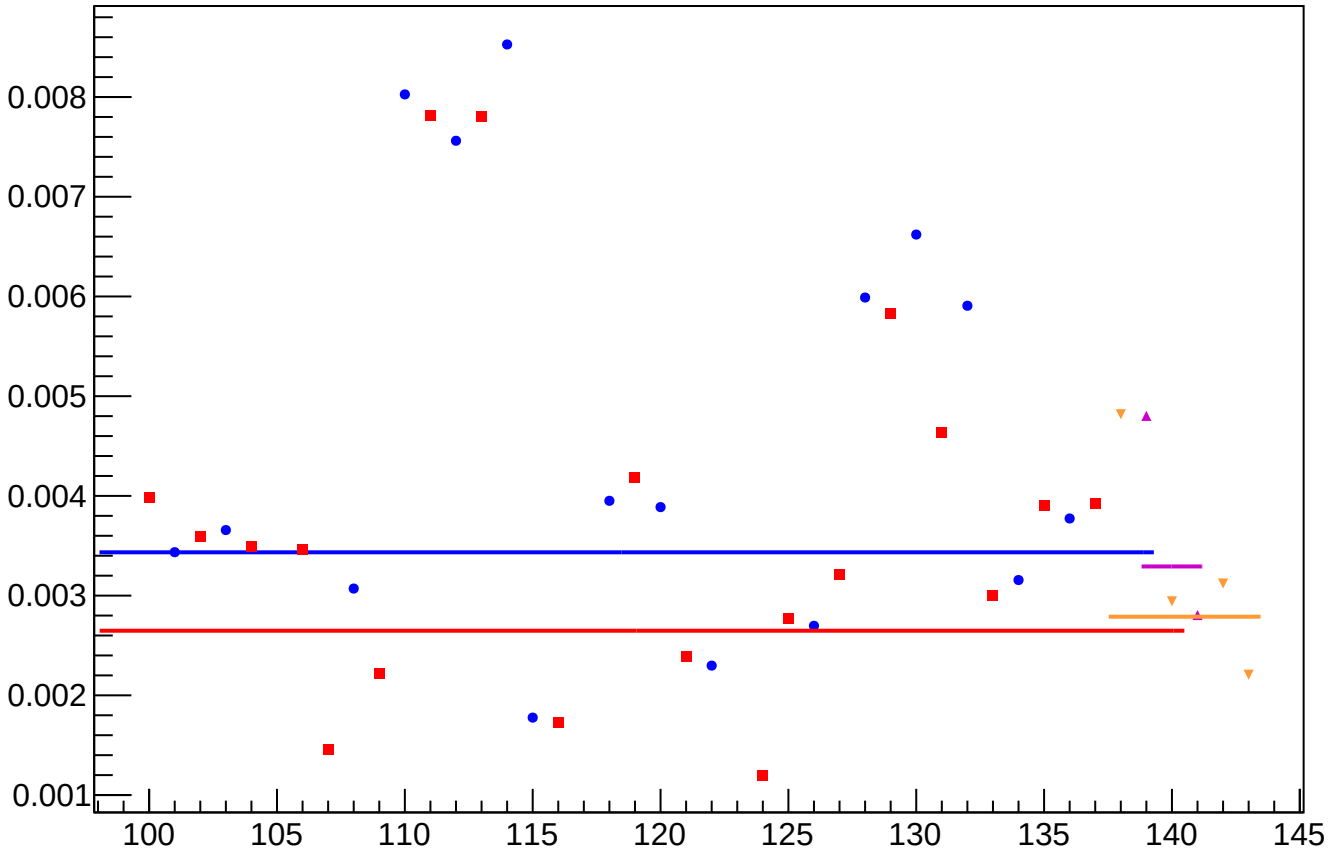
Left: -0.000+/-0.000 χ^2/NDF: 5.2/5

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:17.3/22

All: 0.000+/-0.000 χ^2/NDF: 41.5/40



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:400847.4/3

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: 671275.0/5

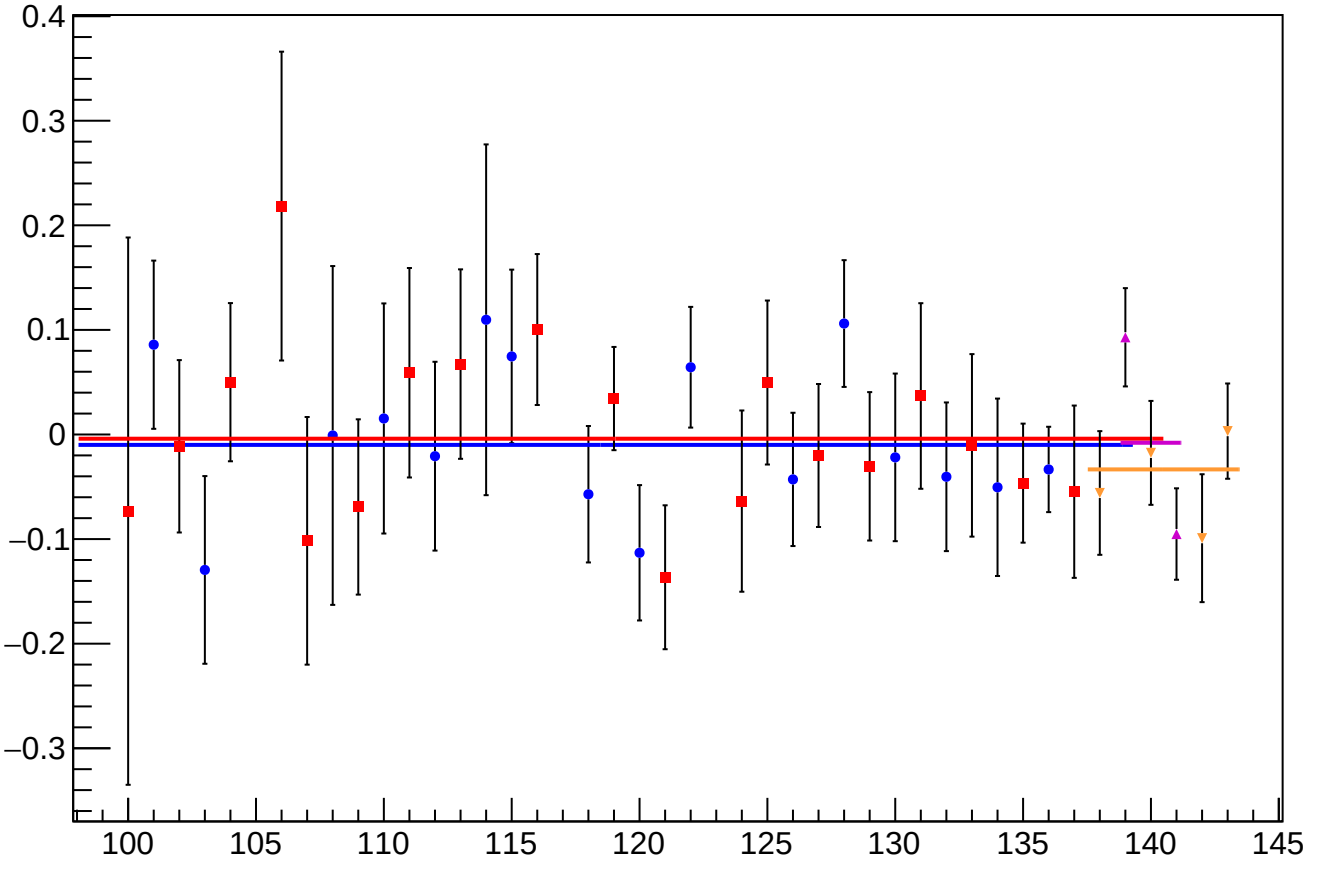
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:1971178.4/17

Out: 0.003+/-0.000 χ^2/NDF:3107332.3/22

All: 0.003+/-0.000 χ^2/NDF: 5519430.3/40

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+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

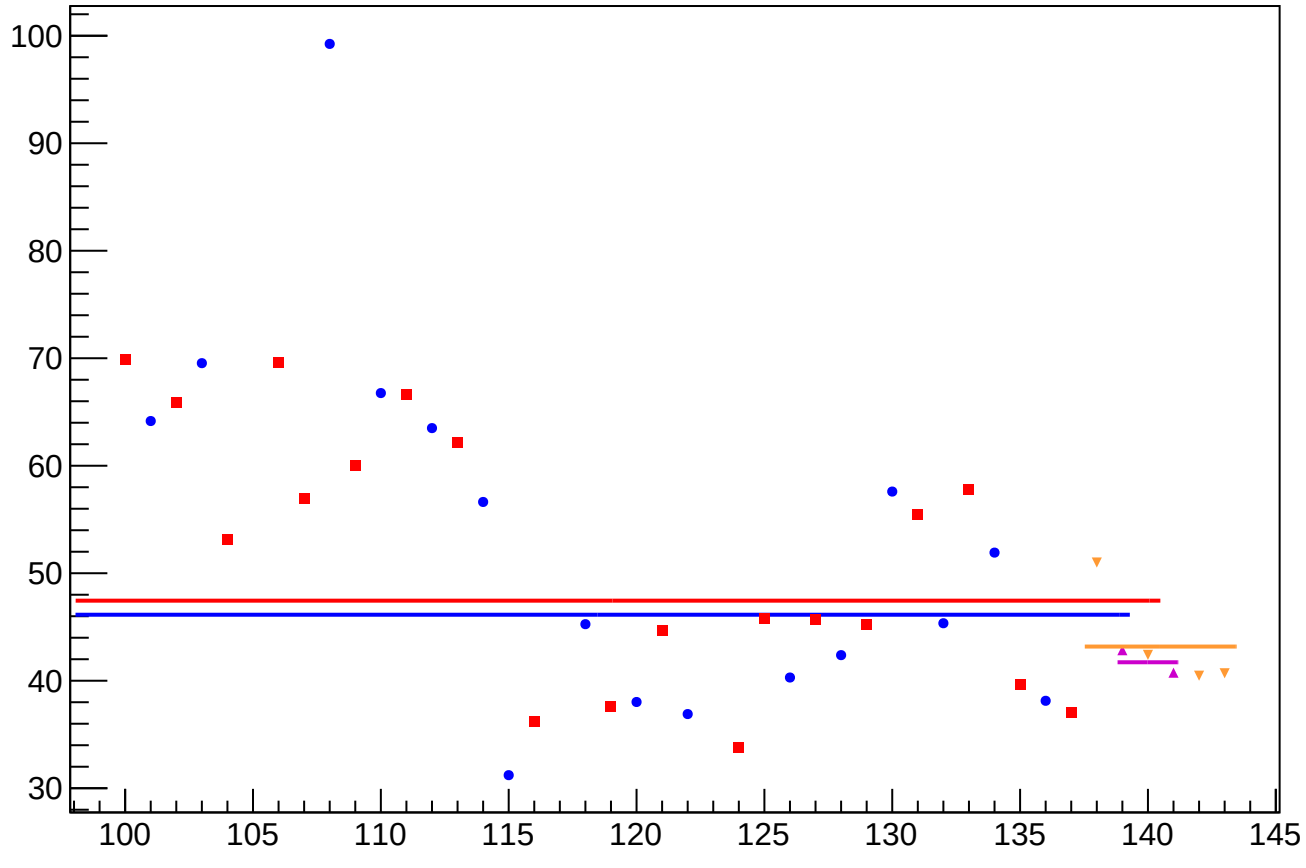
Left: -0.023+/-0.020 χ^2/NDF: 11.0/5

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.012+/-0.011 χ^2/NDF: 39.6/40



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 43.179+/-0.019 χ^2/NDF:45334.7/3

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 41.718+/-0.023 χ^2/NDF:2122.4/1

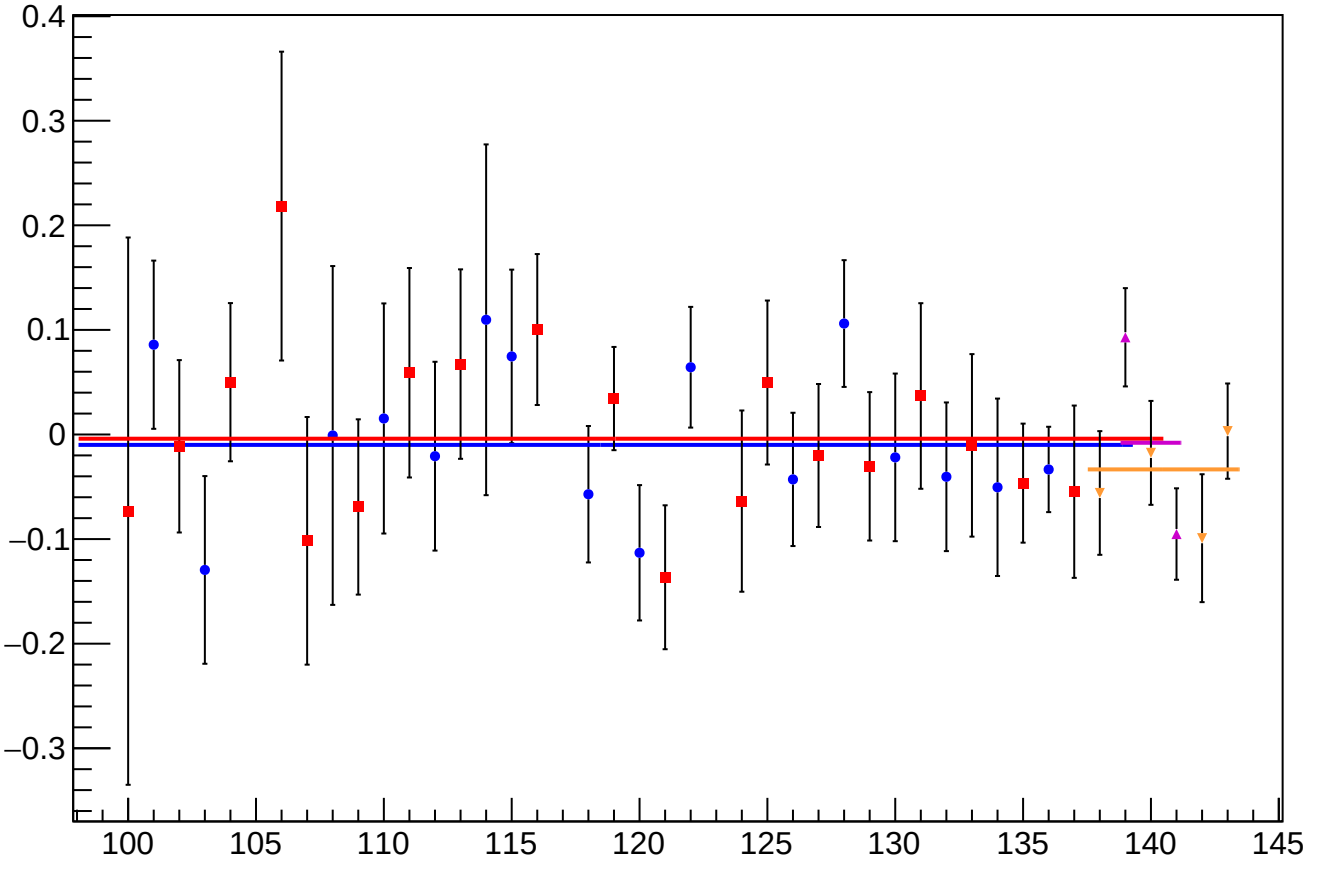
Left: 42.589+/-0.014 χ^2/NDF: 49942.2/5

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 45.078+/-0.011 χ^2/NDF:934388.0/17

Out: 46.080+/-0.011 χ^2/NDF:735715.7/22

All: 45.604+/-0.008 χ^2/NDF: 1674394.2/40



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.033+/-0.026 χ^2/NDF:2.0/3

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.008+/-0.032 χ^2/NDF:8.6/1

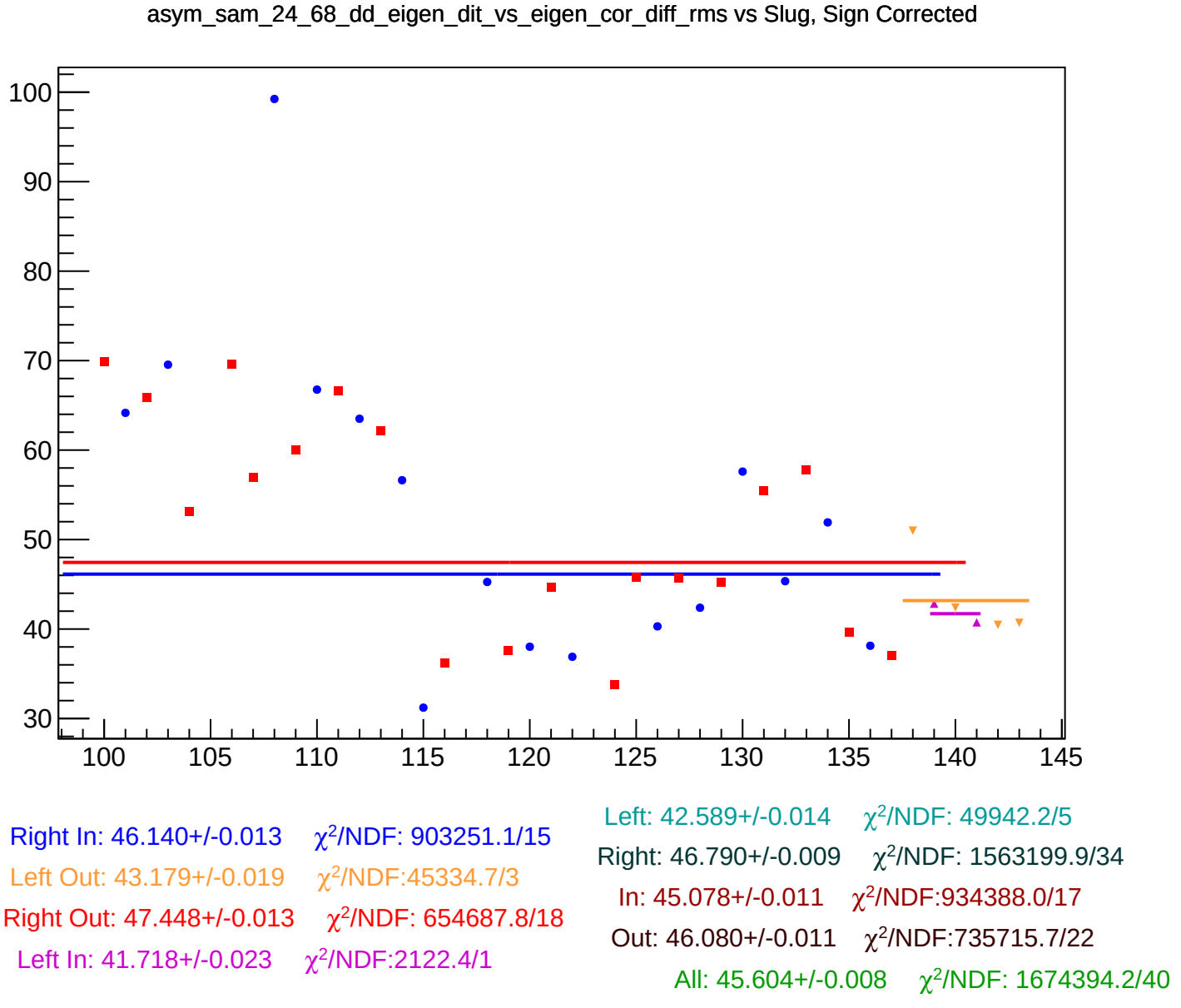
Left: -0.023+/-0.020 χ^2/NDF: 11.0/5

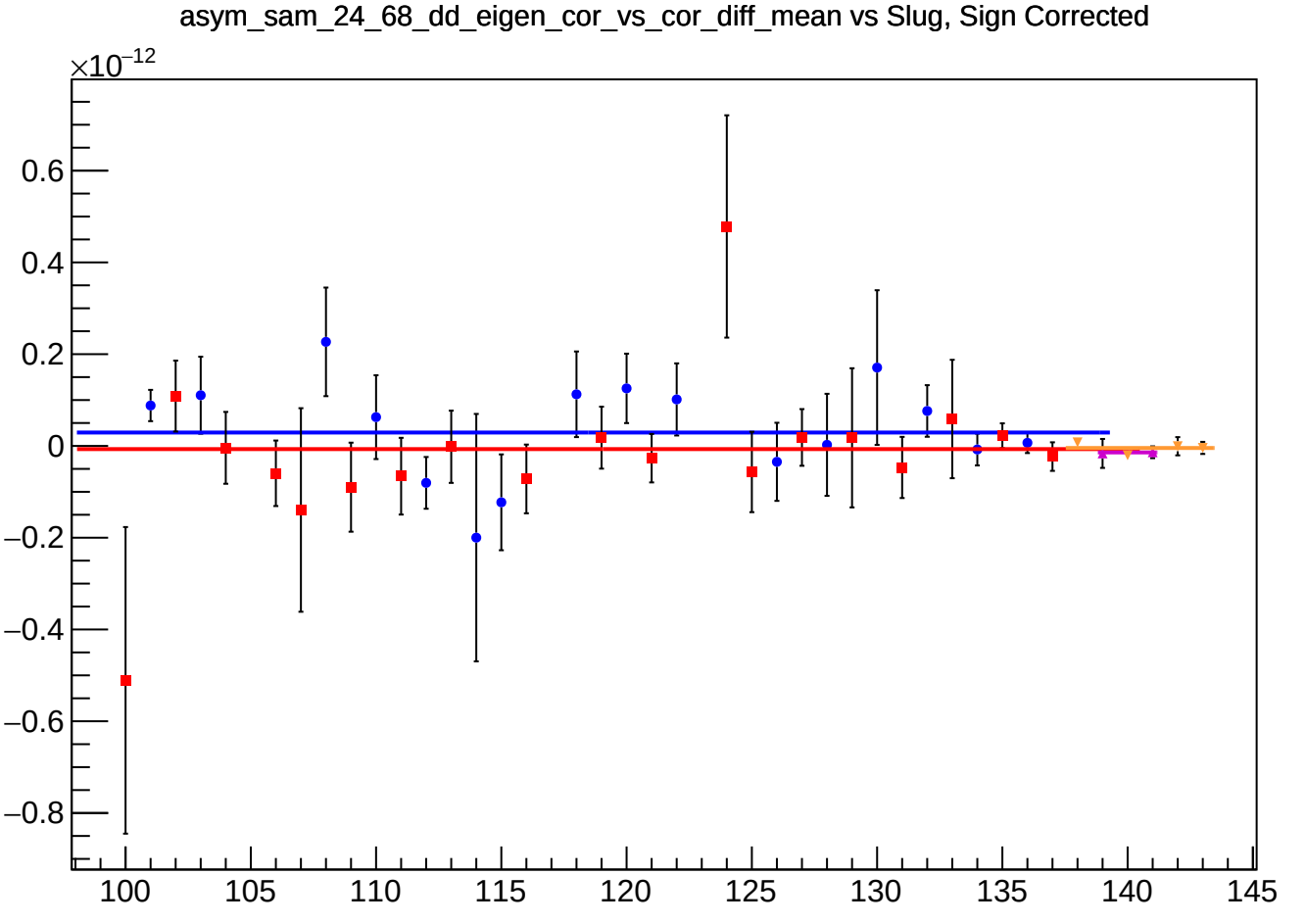
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

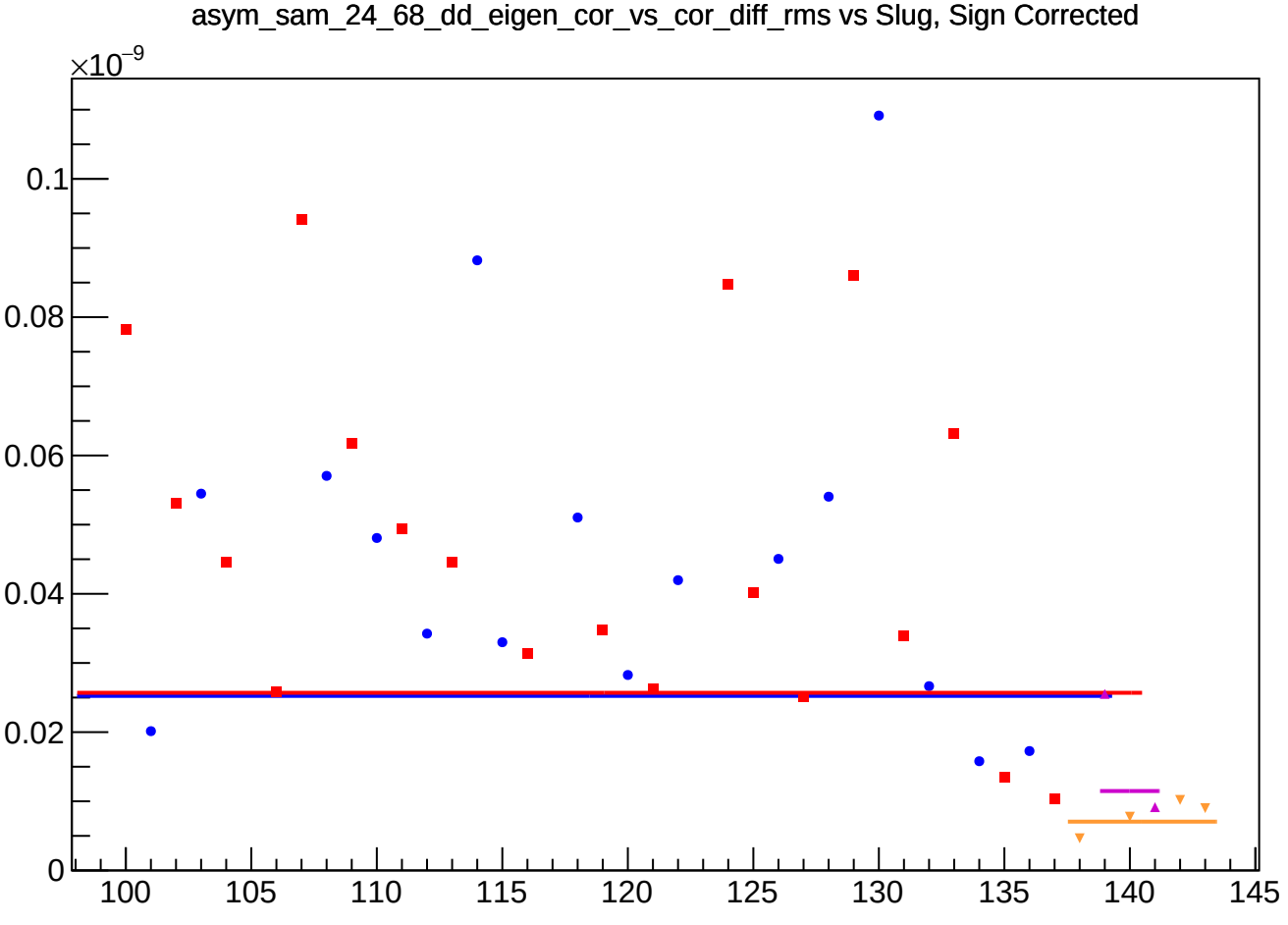
In: -0.009+/-0.016 χ^2/NDF:22.8/17

Out: -0.013+/-0.015 χ^2/NDF:16.7/22

All: -0.012+/-0.011 χ^2/NDF: 39.6/40


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
100
105
110
115
120
125
130
135
140
145
Right In: 46.140+/-0.013 χ²/NDF: 903251.1/15
Left Out: 43.179+/-0.019 χ²/NDF:45334.7/3
Right Out: 47.448+/-0.013 χ²/NDF: 654687.8/18
Left In: 41.718+/-0.023 χ²/NDF:2122.4/1
Left: 42.589+/-0.014 χ²/NDF: 49942.2/5
Right: 46.790+/-0.009 χ²/NDF: 1563199.9/34
In: 45.078+/-0.011 χ²/NDF:934388.0/17
Out: 46.080+/-0.011 χ²/NDF:735715.7/22
All: 45.604+/-0.008 χ²/NDF: 1674394.2/40


asym_sam_24_68_dd_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
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/3
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.0/1
Left: -0.000+/-0.000 χ²/NDF: 4.4/5
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: 0.000+/-0.000 χ²/NDF:26.7/17
Out: -0.000+/-0.000 χ²/NDF:18.2/22
All: -0.000+/-0.000 χ²/NDF: 45.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:226109.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:461482.5/1

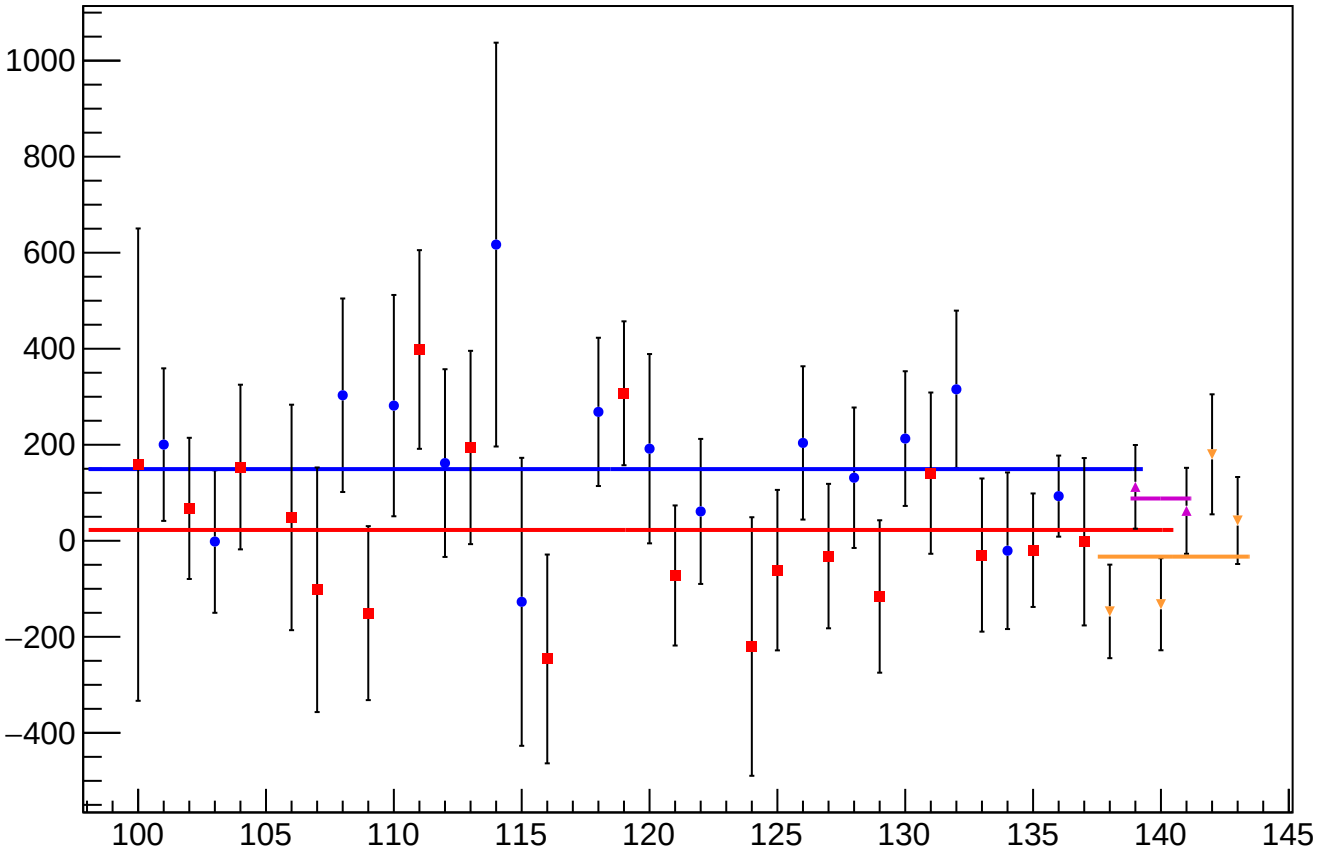
Left: 0.000+/-0.000 χ^2/NDF: 908242.7/5

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:5890399.3/22

All: 0.000+/-0.000 χ^2/NDF: 10700894.7/40



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.016+/-49.996 χ^2/NDF:6.0/3

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 88.060+/-62.441 χ^2/NDF:0.2/1

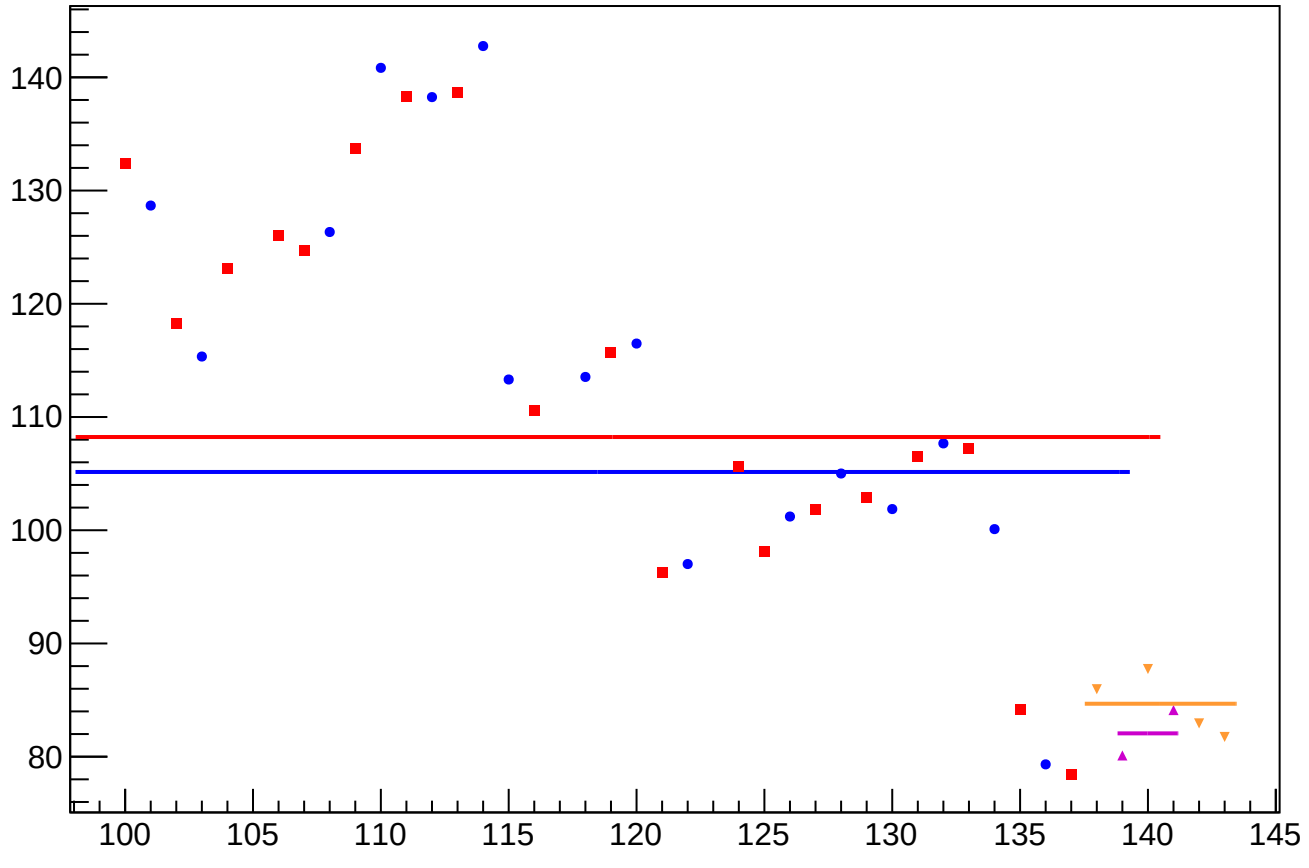
Left: 14.284+/-39.027 χ^2/NDF: 8.5/5

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 131.681+/-33.494 χ^2/NDF:8.9/17

Out: 0.797+/-31.282 χ^2/NDF:21.0/22

All: 61.773+/-22.862 χ^2/NDF: 38.0/40



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

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: 83.655+/-0.028 χ^2/NDF: 9074.0/5

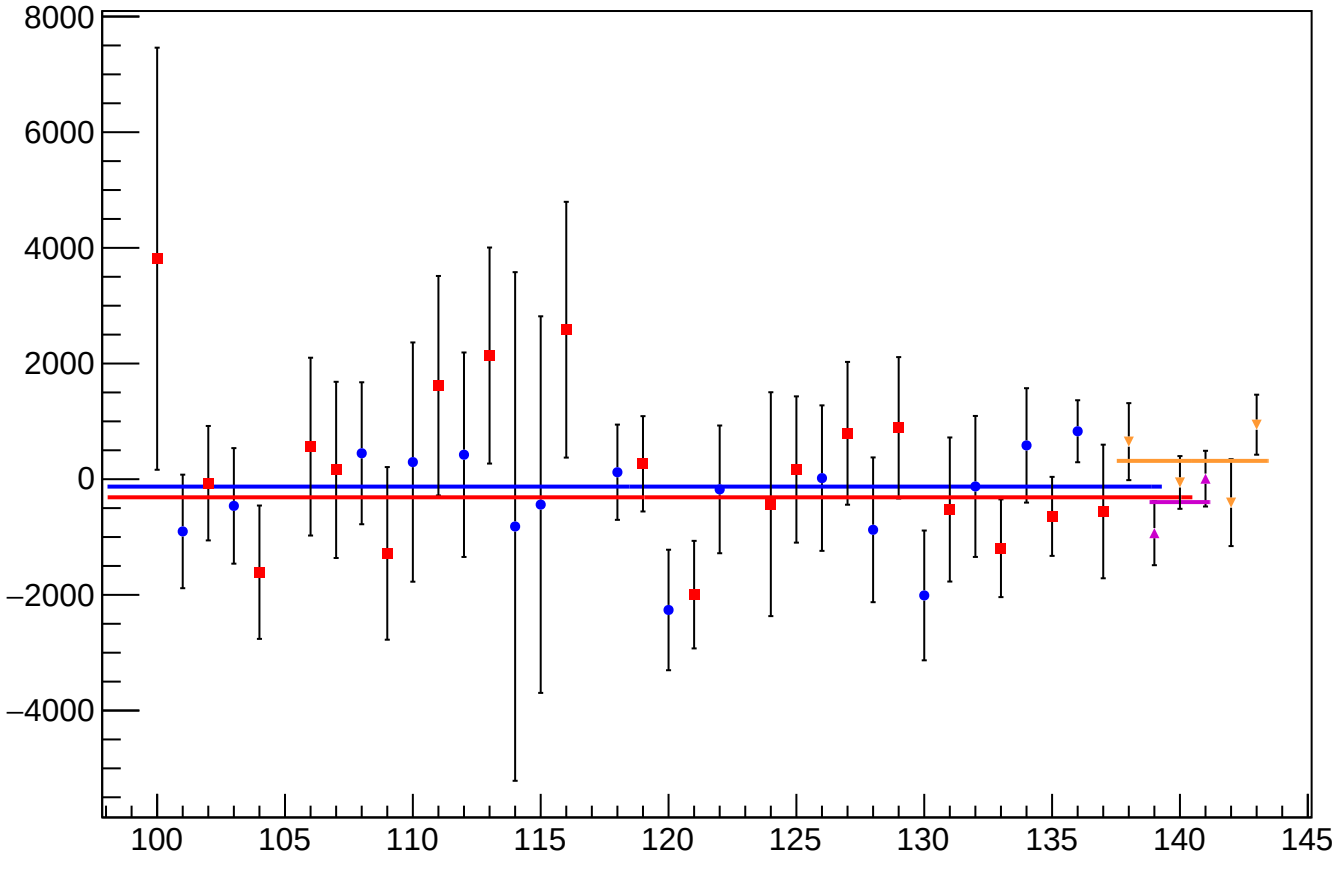
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 98.504+/-0.024 χ^2/NDF:605188.2/17

Out: 99.011+/-0.022 χ^2/NDF:624982.4/22

All: 98.775+/-0.016 χ^2/NDF: 1230416.0/40

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: 316.883+/-282.271 χ^2/NDF:3.3/3

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -395.803+/-363.642 χ^2/NDF:1.6/1

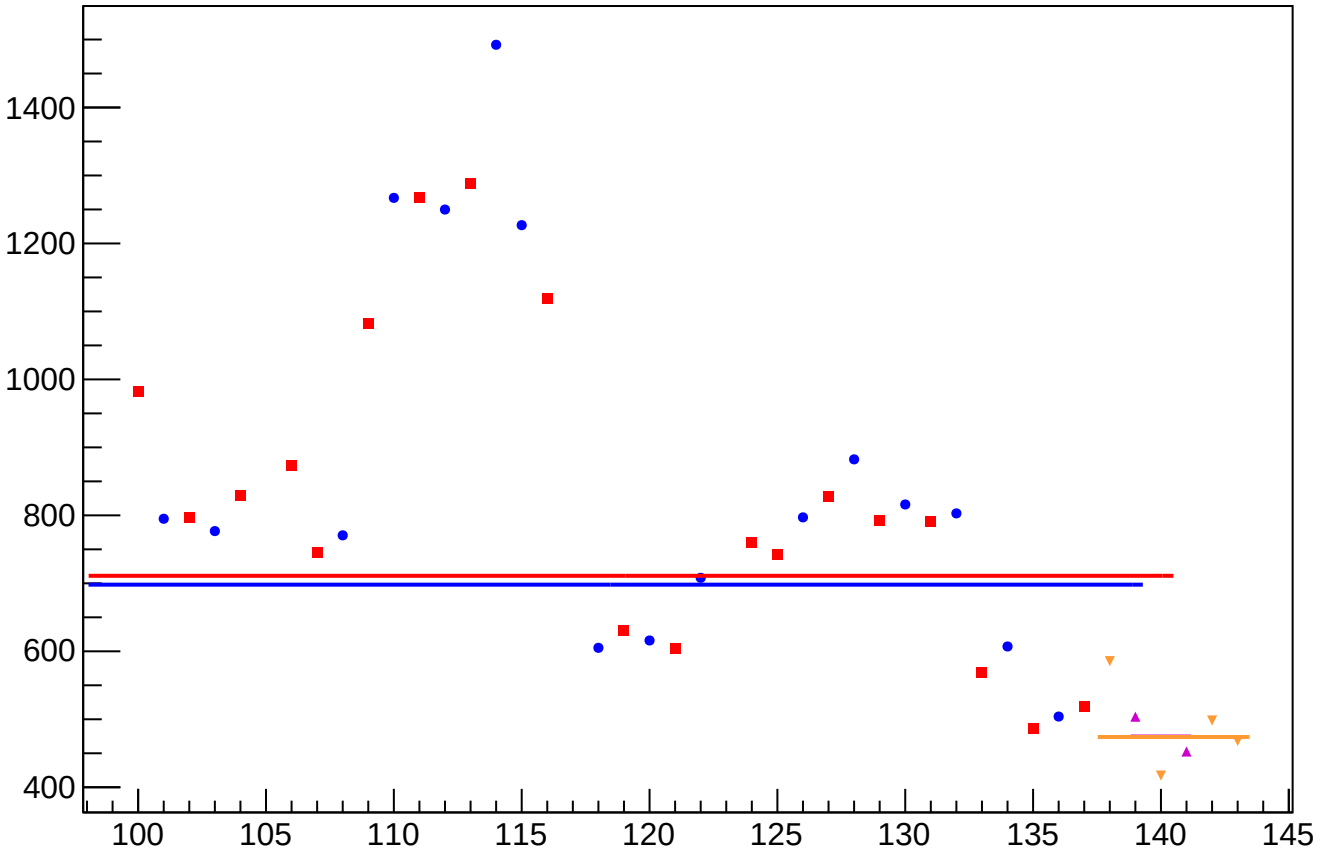
Left: 48.920+/-222.978 χ^2/NDF: 7.3/5

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -222.575+/-216.058 χ^2/NDF:14.3/17

Out: -11.911+/-195.162 χ^2/NDF:20.9/22

All: -106.566+/-144.826 χ^2/NDF: 35.7/40



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 473.944+/-0.200 χ^2/NDF:89513.1/3

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 474.623+/-0.257 χ^2/NDF:9742.9/1

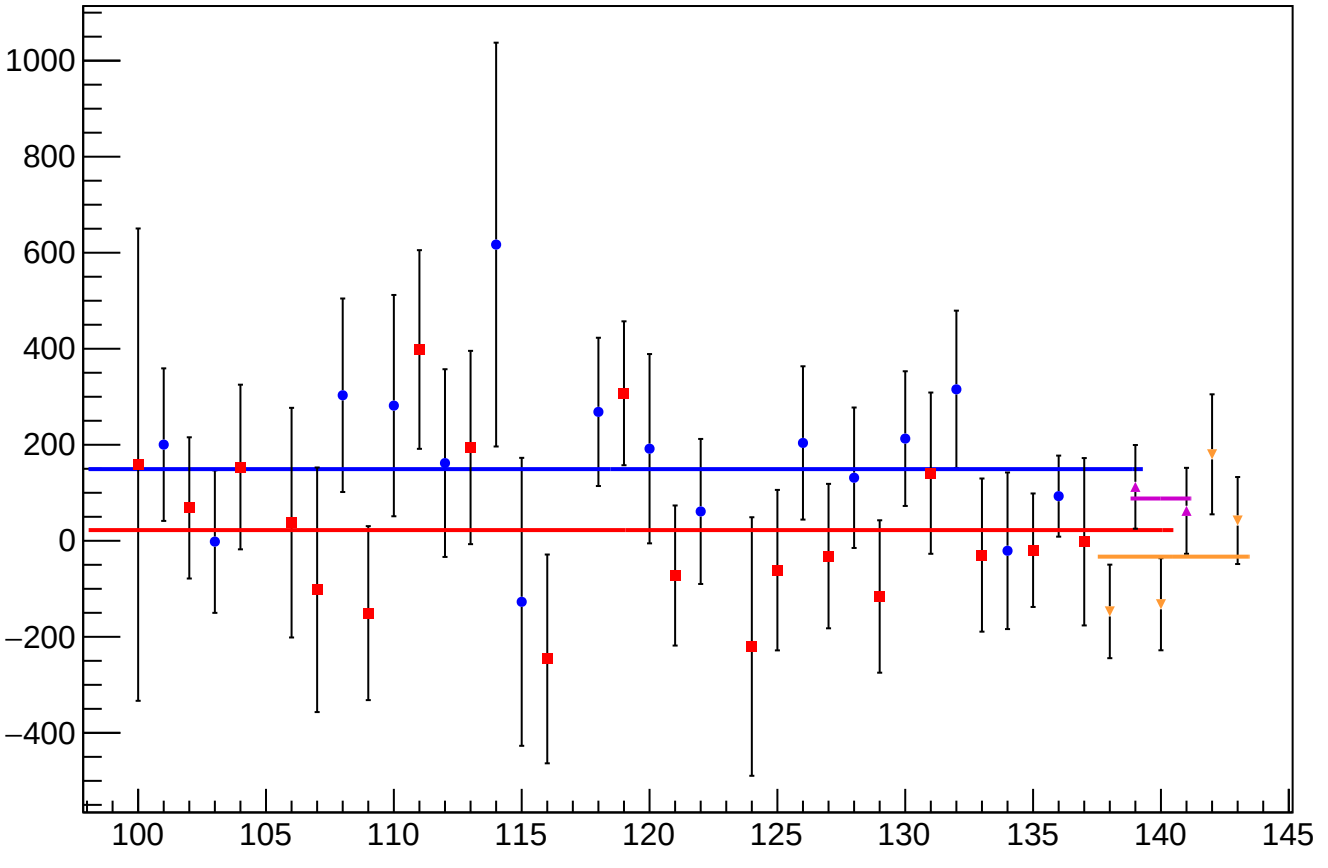
Left: 474.199+/-0.158 χ^2/NDF: 99260.3/5

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 619.180+/-0.153 χ^2/NDF:1411094.1/17

Out: 597.725+/-0.138 χ^2/NDF:1861456.2/22

All: 607.365+/-0.102 χ^2/NDF: 3283410.5/40



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.022+/-49.996 χ^2/NDF:6.0/3

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 88.063+/-62.441 χ^2/NDF:0.2/1

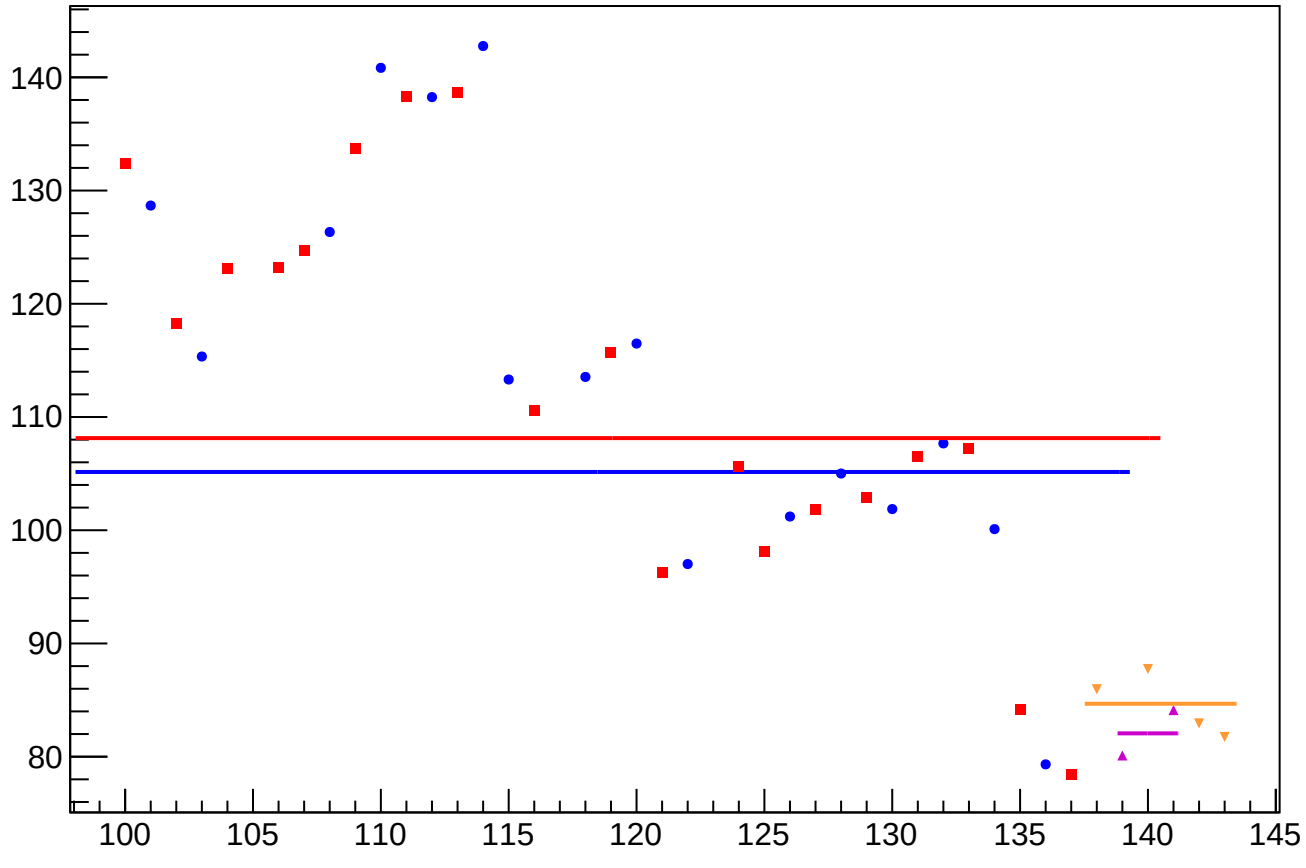
Left: 14.281+/-39.027 χ^2/NDF: 8.5/5

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 131.675+/-33.494 χ^2/NDF:8.9/17

Out: 0.626+/-31.292 χ^2/NDF:21.0/22

All: 61.702+/-22.866 χ^2/NDF: 38.0/40



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

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: 83.655+/-0.028 χ^2/NDF: 9074.0/5

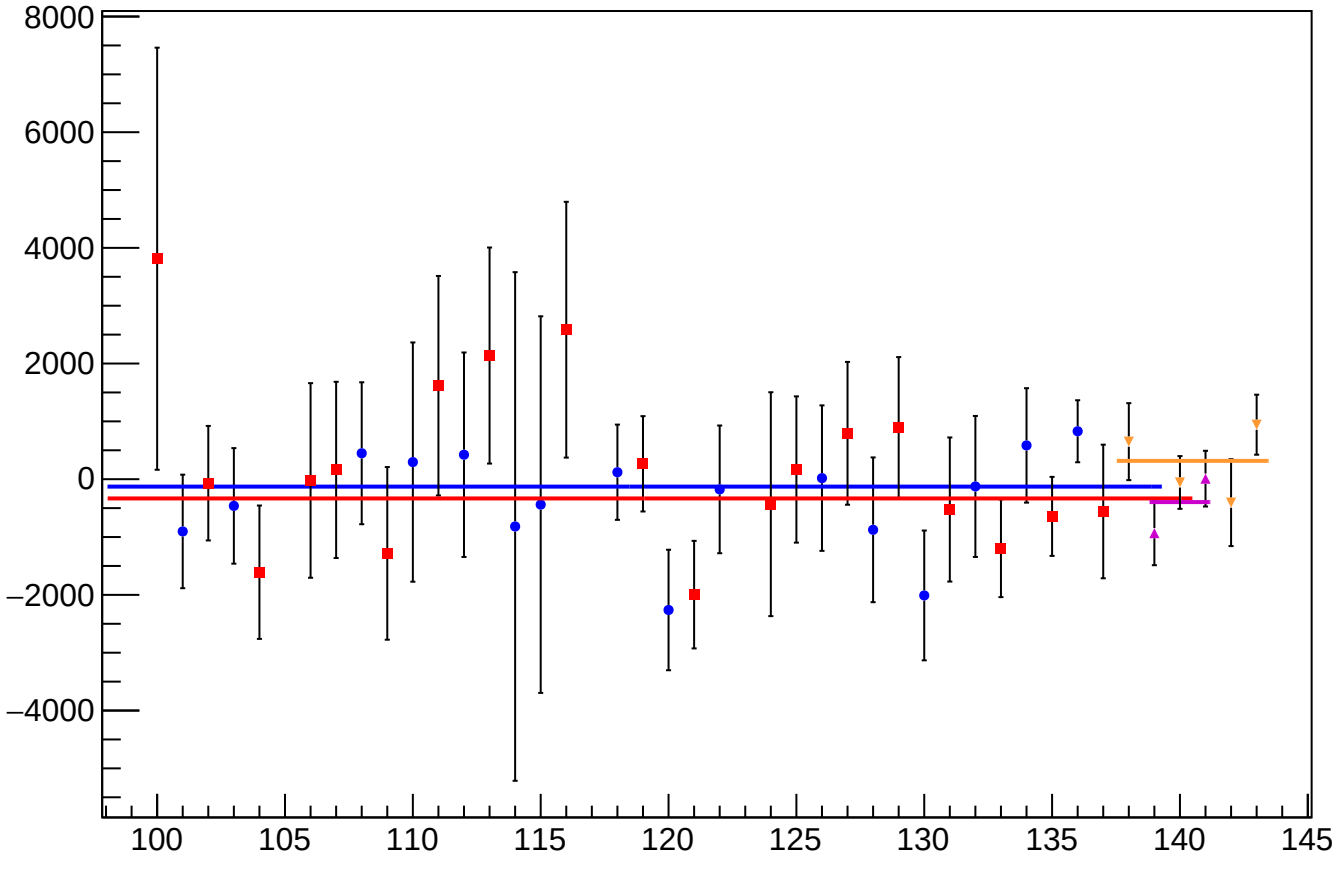
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 98.504+/-0.024 χ^2/NDF:605188.4/17

Out: 98.946+/-0.022 χ^2/NDF:619046.2/22

All: 98.740+/-0.016 χ^2/NDF: 1224421.3/40

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 316.873+/-282.271 χ^2/NDF:3.3/3

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -395.806+/-363.642 χ^2/NDF:1.6/1

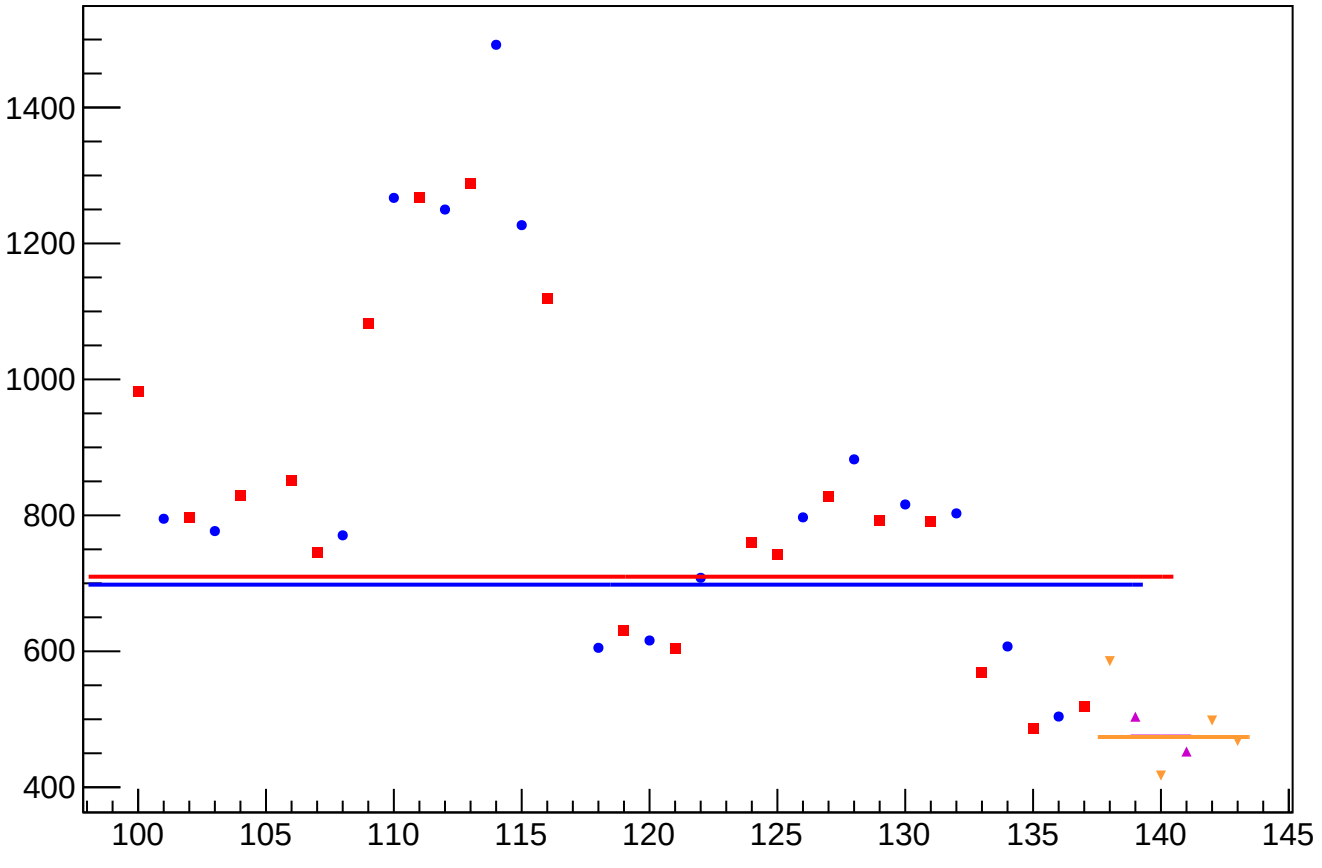
Left: 48.913+/-222.978 χ^2/NDF: 7.3/5

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -222.570+/-216.058 χ^2/NDF:14.3/17

Out: -21.320+/-195.427 χ^2/NDF:20.8/22

All: -111.880+/-144.934 χ^2/NDF: 35.5/40



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 473.944+/-0.200 χ^2/NDF:89512.7/3

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 474.624+/-0.257 χ^2/NDF:9742.6/1

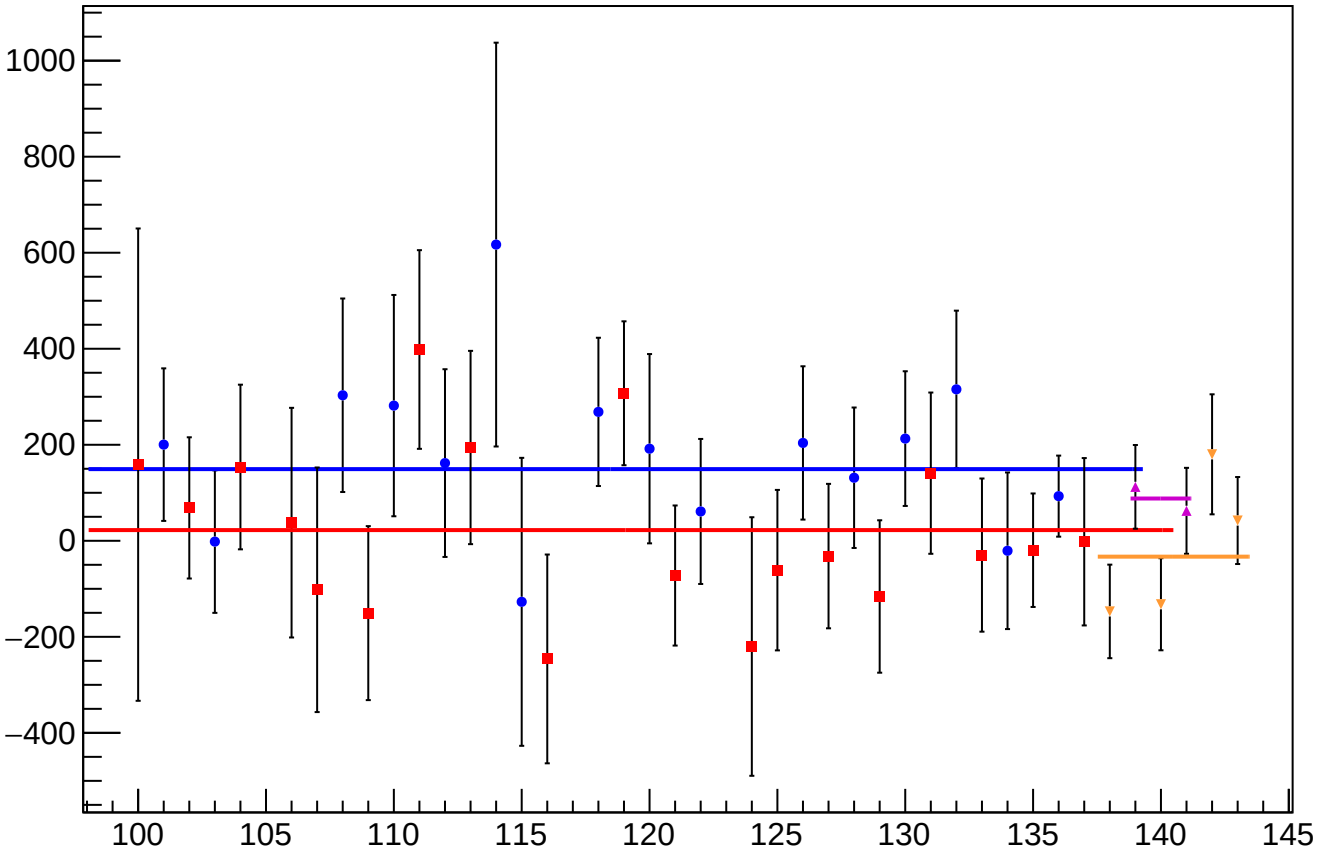
Left: 474.199+/-0.158 χ^2/NDF: 99259.6/5

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 619.180+/-0.153 χ^2/NDF:1411104.5/17

Out: 596.719+/-0.138 χ^2/NDF:1843336.2/22

All: 606.826+/-0.102 χ^2/NDF: 3266328.5/40



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -33.022+/-49.996 χ^2/NDF:6.0/3

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 88.063+/-62.441 χ^2/NDF:0.2/1

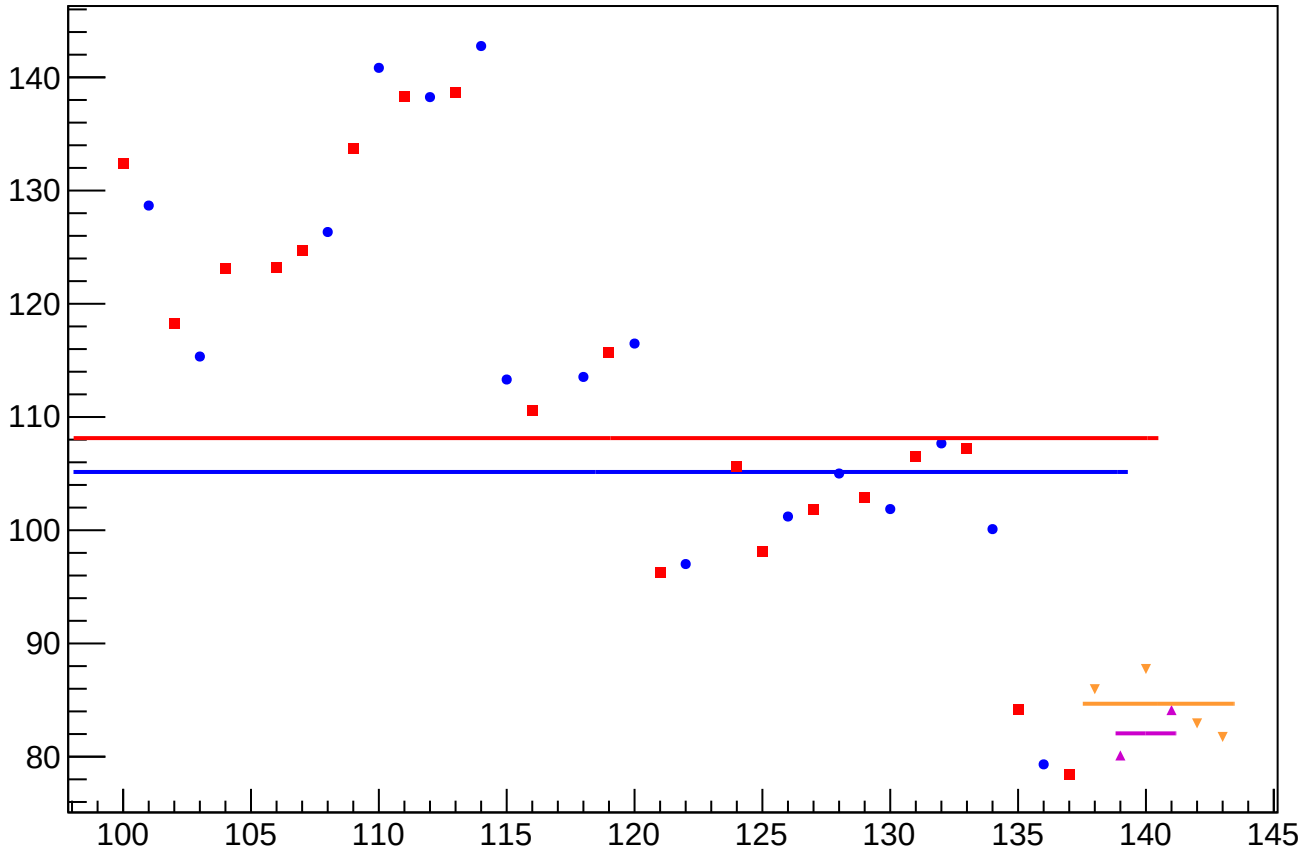
Left: 14.281+/-39.027 χ^2/NDF: 8.5/5

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 131.675+/-33.494 χ^2/NDF:8.9/17

Out: 0.626+/-31.292 χ^2/NDF:21.0/22

All: 61.702+/-22.866 χ^2/NDF: 38.0/40



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.677+/-0.035 χ^2/NDF:4875.9/3

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: 83.655+/-0.028 χ^2/NDF: 9074.0/5

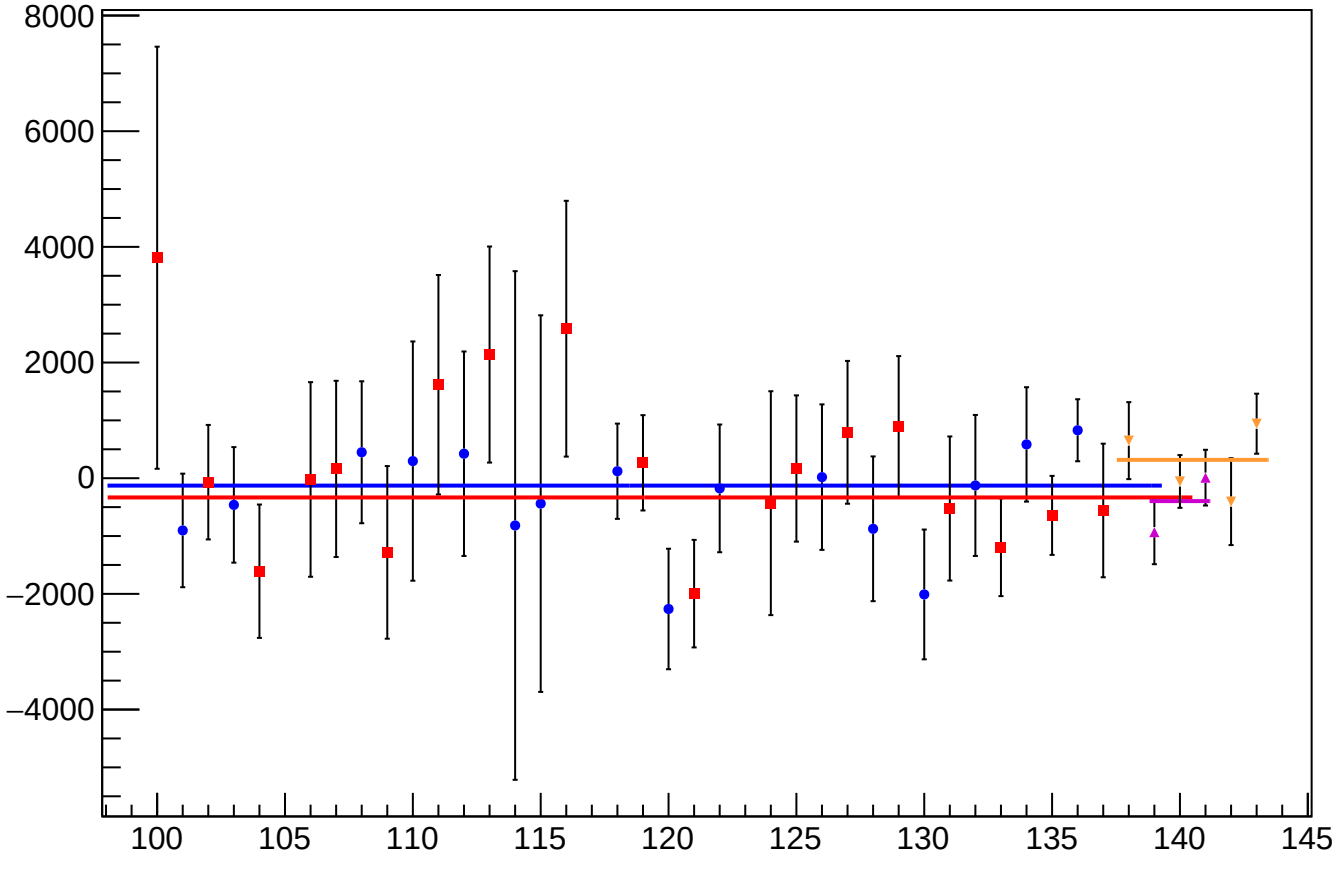
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 98.504+/-0.024 χ^2/NDF:605188.4/17

Out: 98.946+/-0.022 χ^2/NDF:619046.2/22

All: 98.740+/-0.016 χ^2/NDF: 1224421.3/40

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 316.873+/-282.271 χ^2/NDF:3.3/3

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -395.806+/-363.642 χ^2/NDF:1.6/1

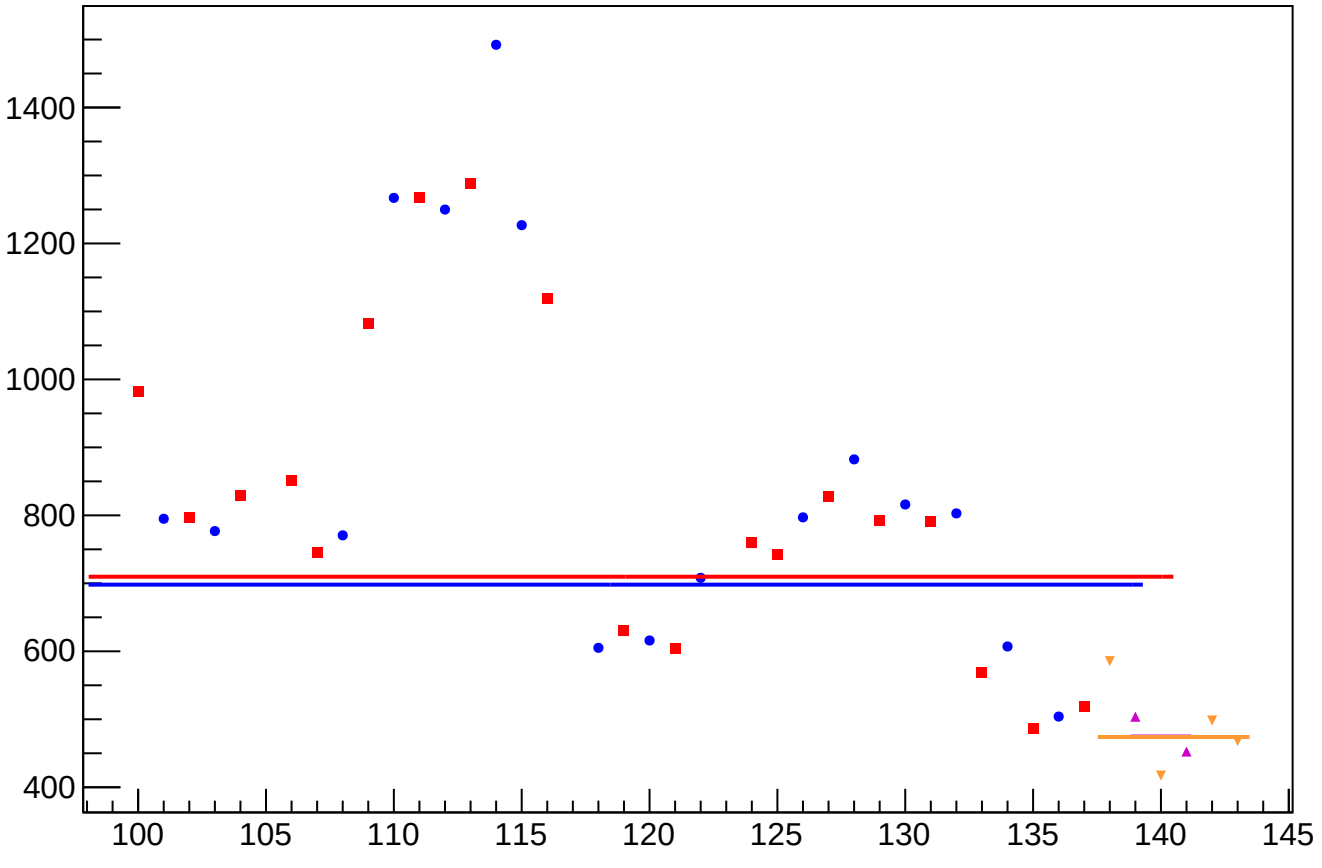
Left: 48.913+/-222.978 χ^2/NDF: 7.3/5

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -222.570+/-216.058 χ^2/NDF:14.3/17

Out: -21.320+/-195.427 χ^2/NDF:20.8/22

All: -111.880+/-144.934 χ^2/NDF: 35.5/40



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 473.944+/-0.200 χ^2/NDF:89512.7/3

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 474.624+/-0.257 χ^2/NDF:9742.6/1

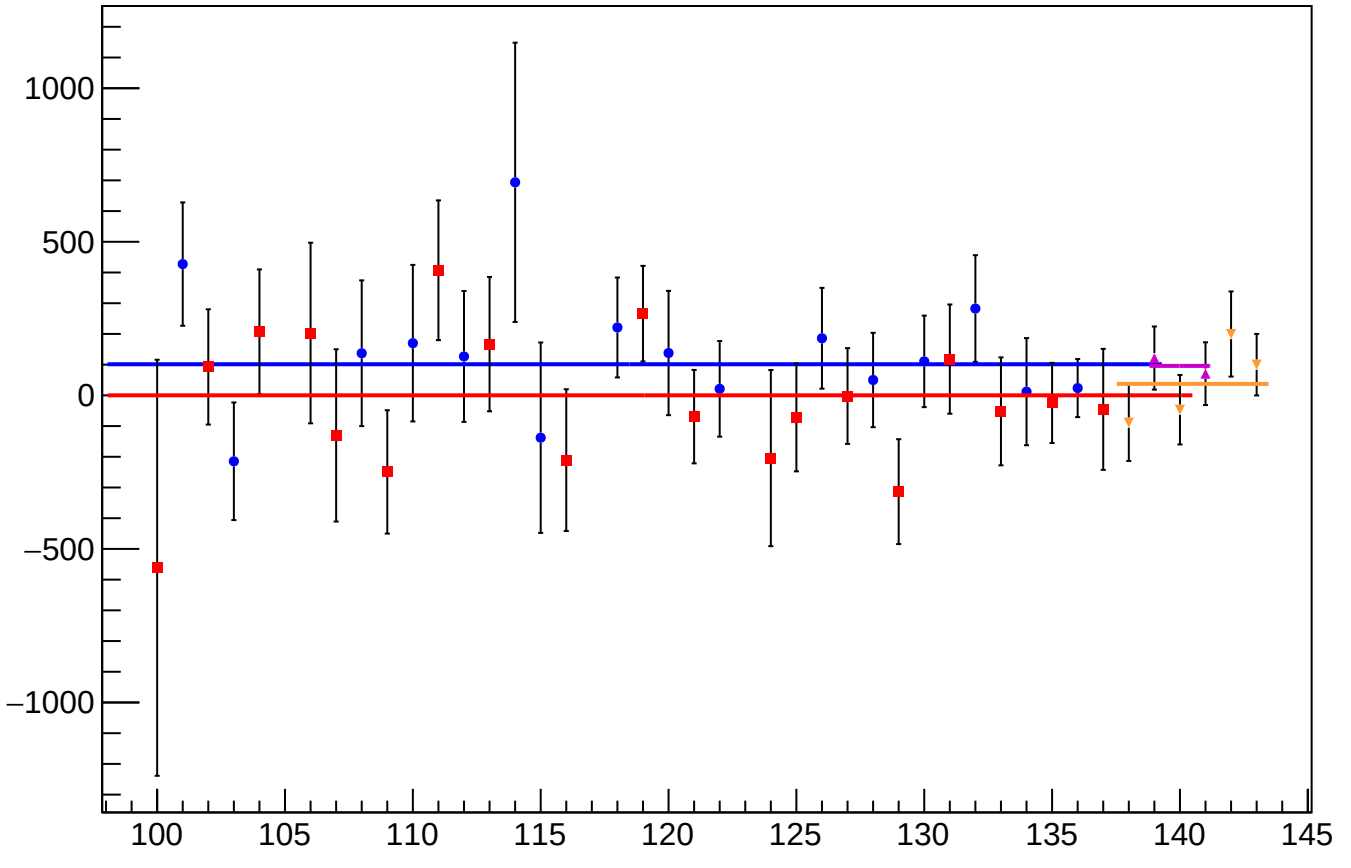
Left: 474.199+/-0.158 χ^2/NDF: 99259.6/5

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 619.180+/-0.153 χ^2/NDF:1411104.5/17

Out: 596.719+/-0.138 χ^2/NDF:1843336.2/22

All: 606.826+/-0.102 χ^2/NDF: 3266328.5/40



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 37.301+/-58.308 χ^2/NDF:3.3/3

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 95.898+/-72.449 χ^2/NDF:0.1/1

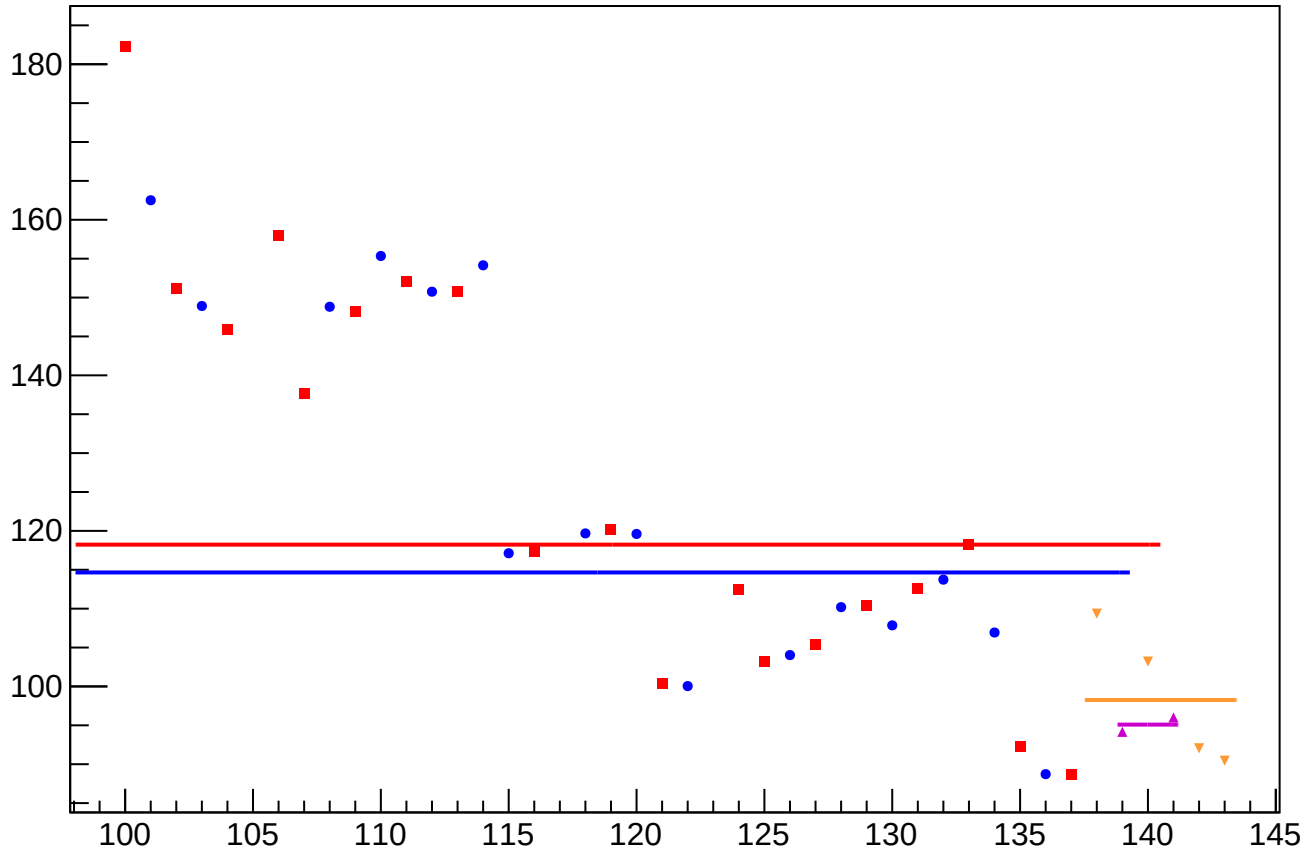
Left: 60.336+/-45.424 χ^2/NDF: 3.9/5

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 99.854+/-37.300 χ^2/NDF:11.1/17

Out: 13.627+/-35.140 χ^2/NDF:20.2/22

All: 54.172+/-25.577 χ^2/NDF: 34.2/40



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 98.254+/-0.041 χ^2/NDF:35829.4/3

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.090+/-0.051 χ^2/NDF:323.8/1

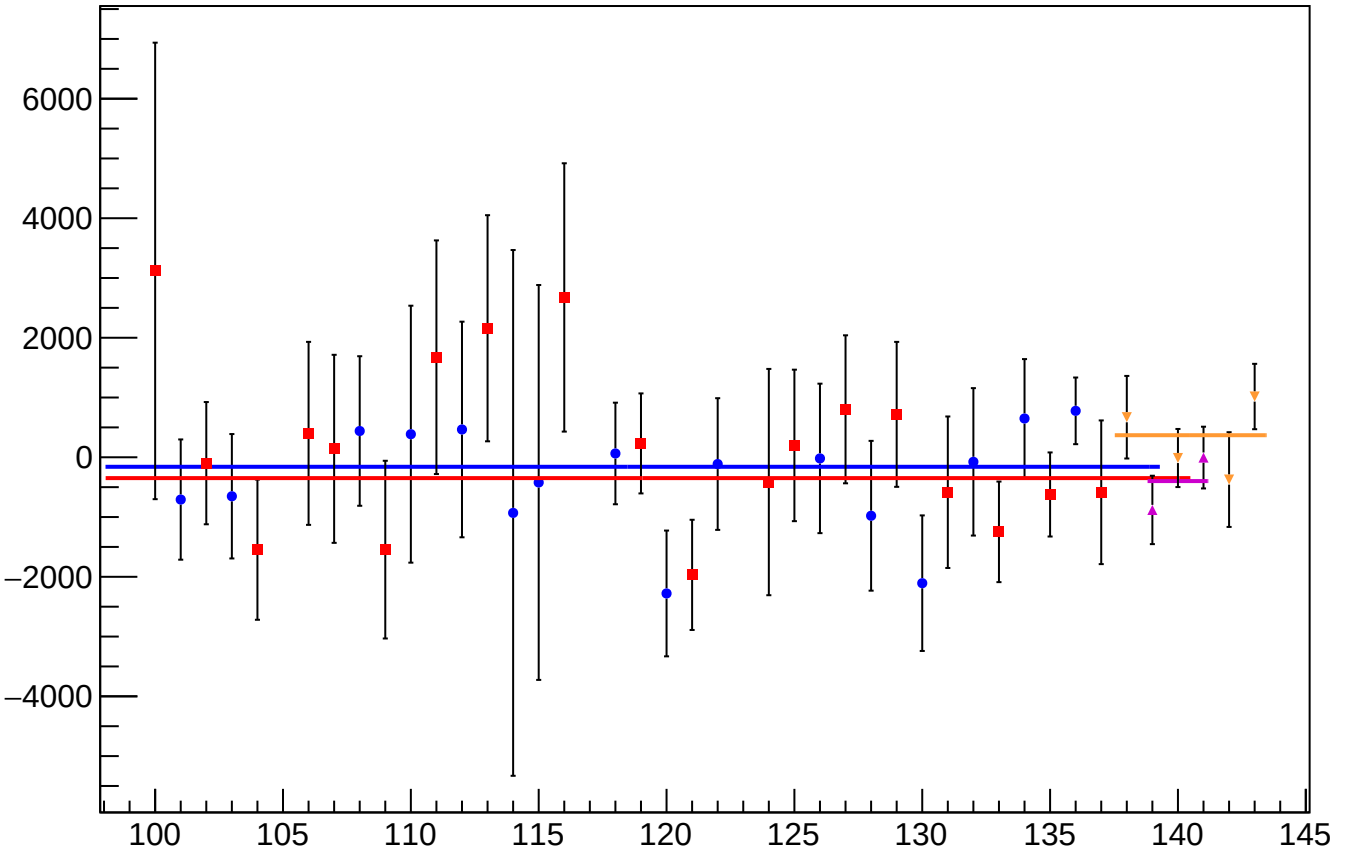
Left: 97.010+/-0.032 χ^2/NDF: 38469.3/5

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 109.469+/-0.026 χ^2/NDF:639493.8/17

Out: 110.975+/-0.025 χ^2/NDF:668721.5/22

All: 110.267+/-0.018 χ^2/NDF: 1309944.3/40



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 369.201+/-297.999 χ^2/NDF:3.1/3

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -398.222+/-383.436 χ^2/NDF:1.3/1

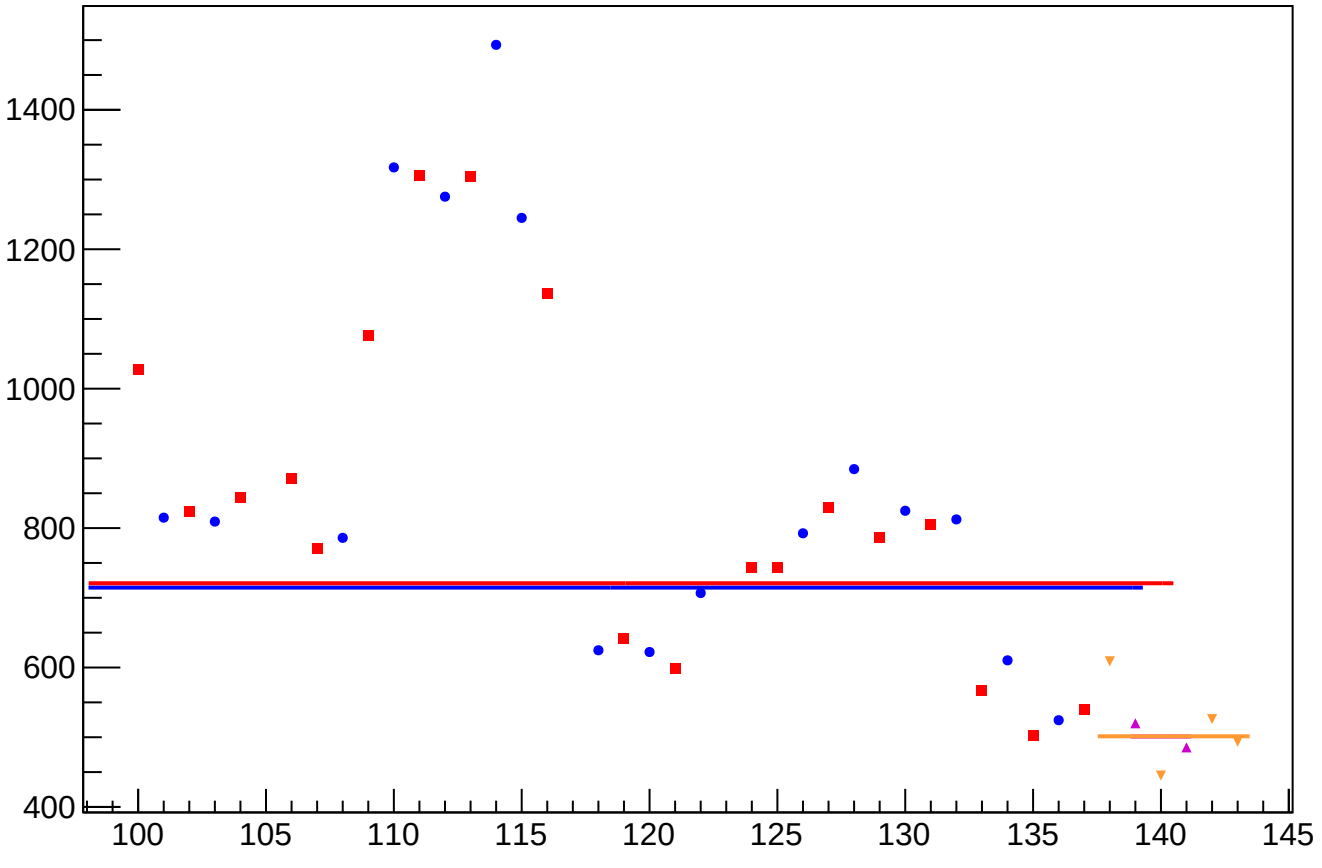
Left: 80.219+/-235.294 χ^2/NDF: 6.9/5

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -240.155+/-223.231 χ^2/NDF:13.5/17

Out: -20.250+/-201.537 χ^2/NDF:20.5/22

All: -119.001+/-149.591 χ^2/NDF: 34.6/40



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 501.353+/-0.211 χ^2/NDF:77636.3/3

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 501.012+/-0.271 χ^2/NDF:4012.4/1

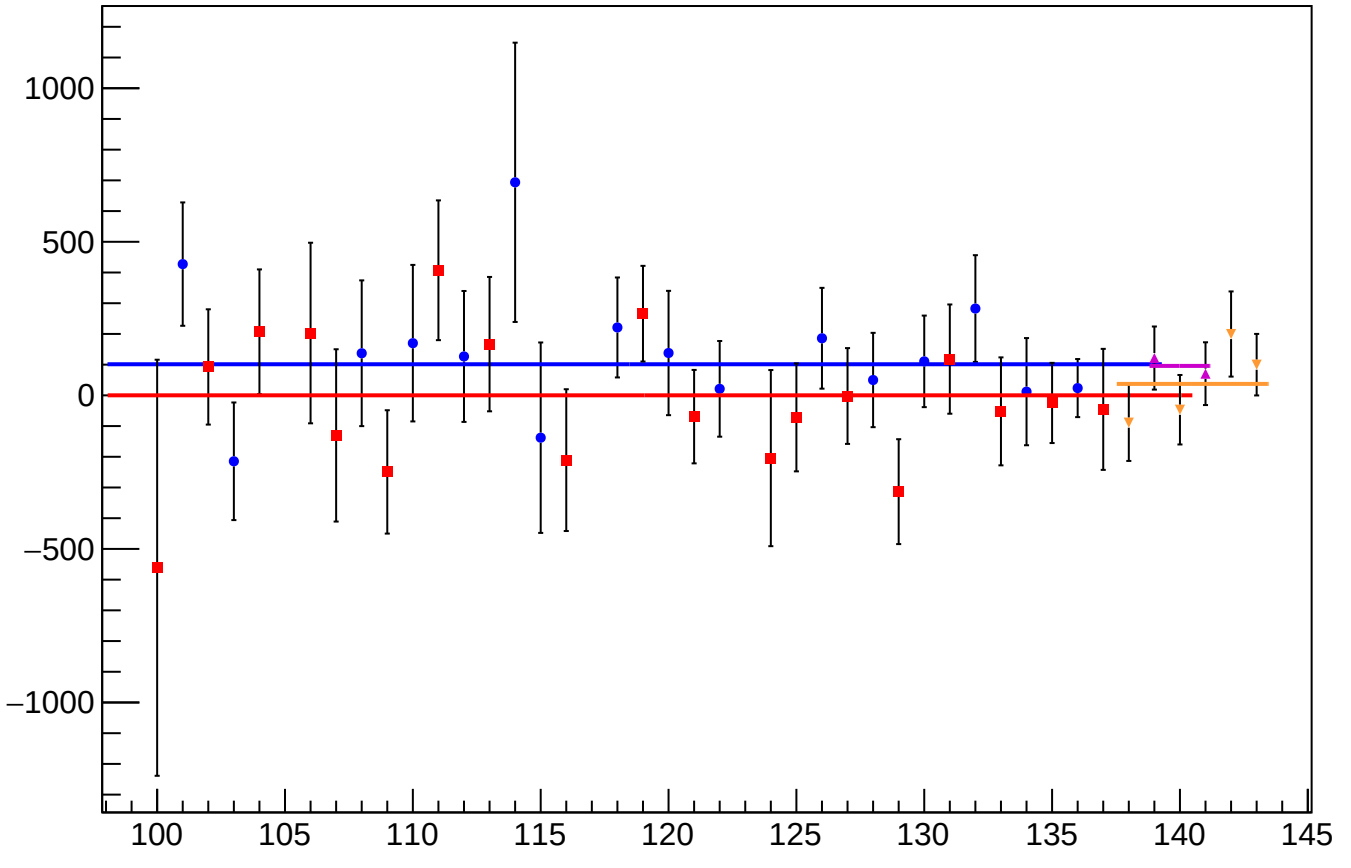
Left: 501.225+/-0.166 χ^2/NDF: 81649.7/5

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 642.250+/-0.158 χ^2/NDF:1290724.6/17

Out: 620.474+/-0.143 χ^2/NDF:1685034.5/22

All: 630.253+/-0.106 χ^2/NDF: 2986244.4/40



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 37.301+/-58.308 χ^2/NDF:3.3/3

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 95.899+/-72.449 χ^2/NDF:0.1/1

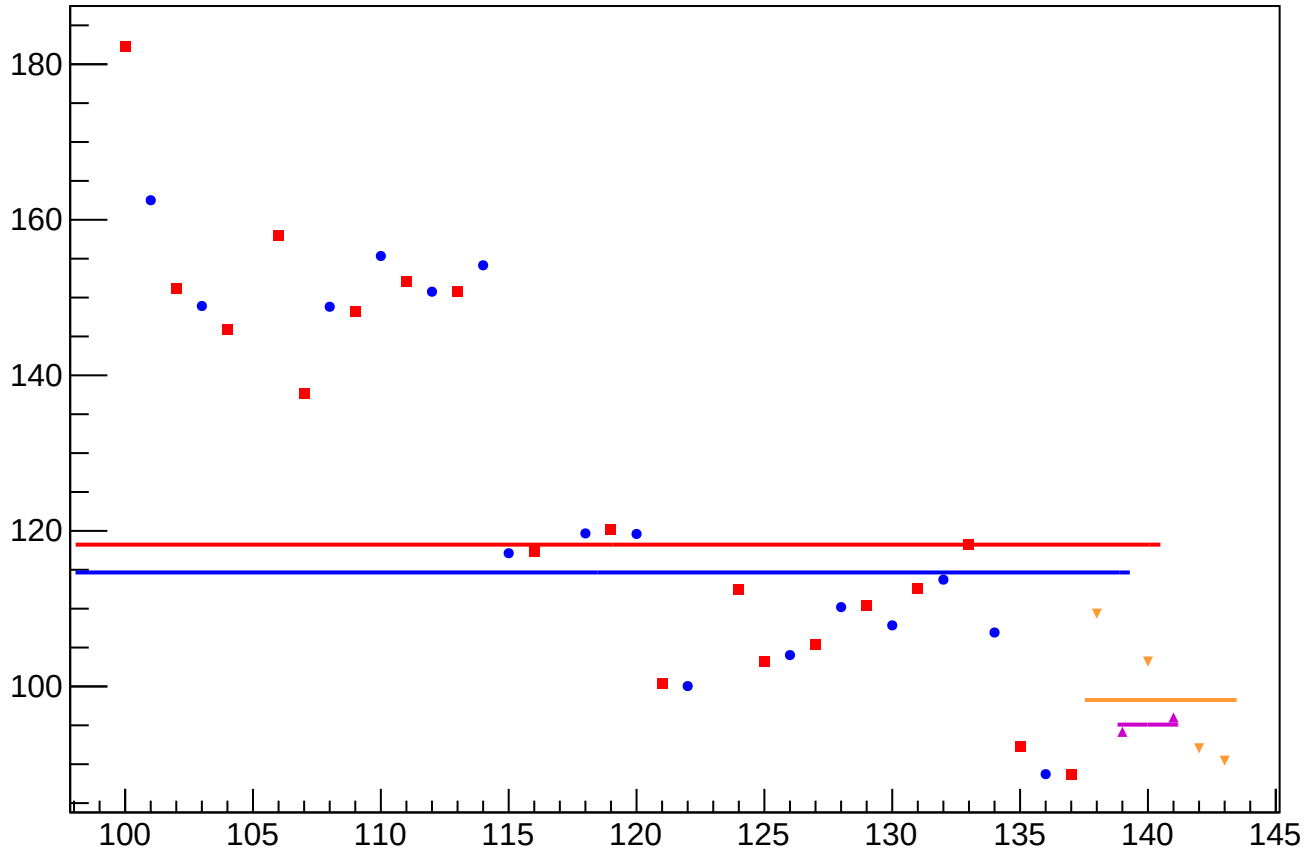
Left: 60.336+/-45.424 χ^2/NDF: 3.9/5

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 99.852+/-37.300 χ^2/NDF:11.1/17

Out: 13.627+/-35.140 χ^2/NDF:20.2/22

All: 54.171+/-25.577 χ^2/NDF: 34.2/40



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 98.255+/-0.041 χ^2/NDF:35828.4/3

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: 97.010+/-0.032 χ^2/NDF: 38468.5/5

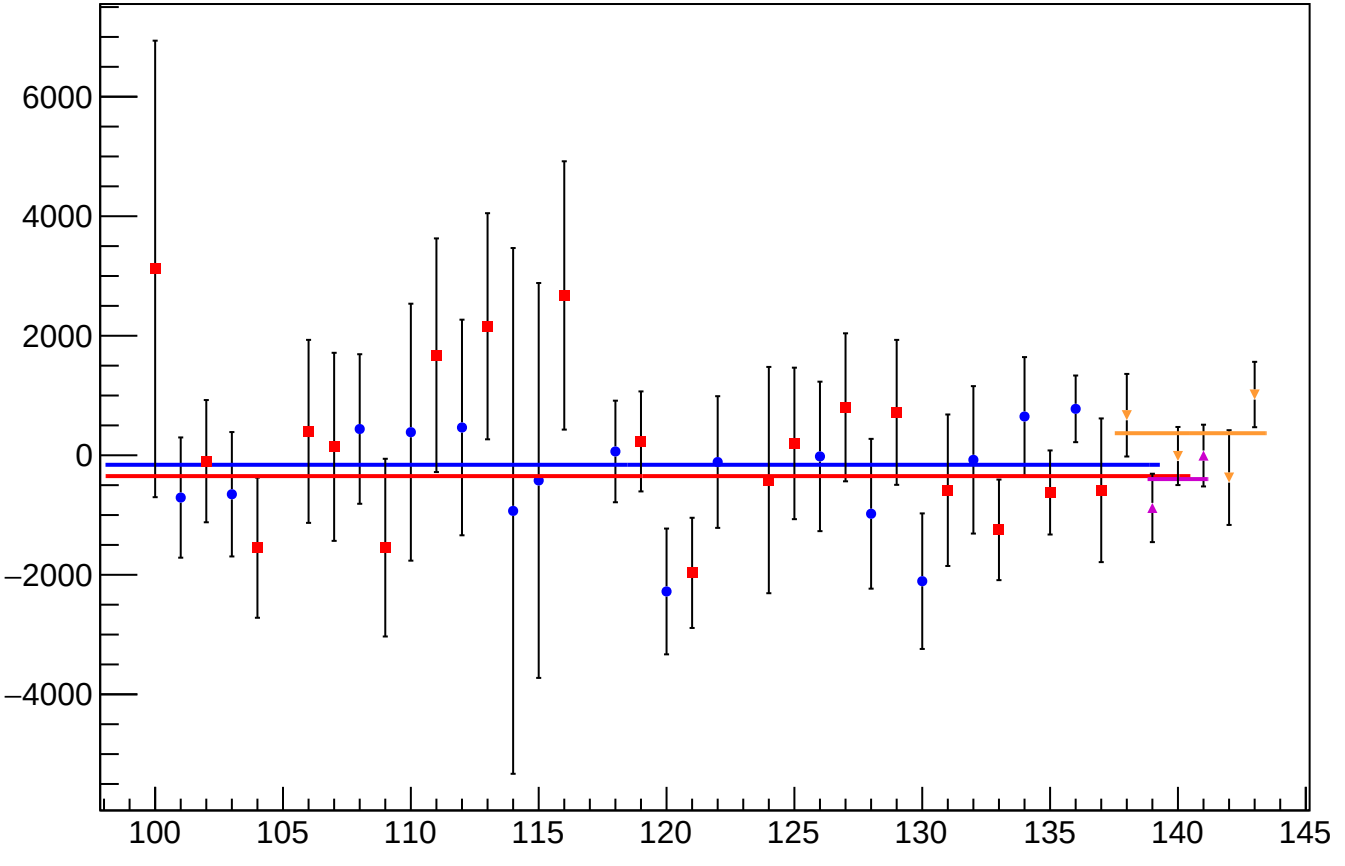
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 109.469+/-0.026 χ^2/NDF:639480.7/17

Out: 110.975+/-0.025 χ^2/NDF:668710.7/22

All: 110.267+/-0.018 χ^2/NDF: 1309920.2/40

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 369.200+/-297.999 χ^2/NDF:3.1/3

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -398.222+/-383.437 χ^2/NDF:1.3/1

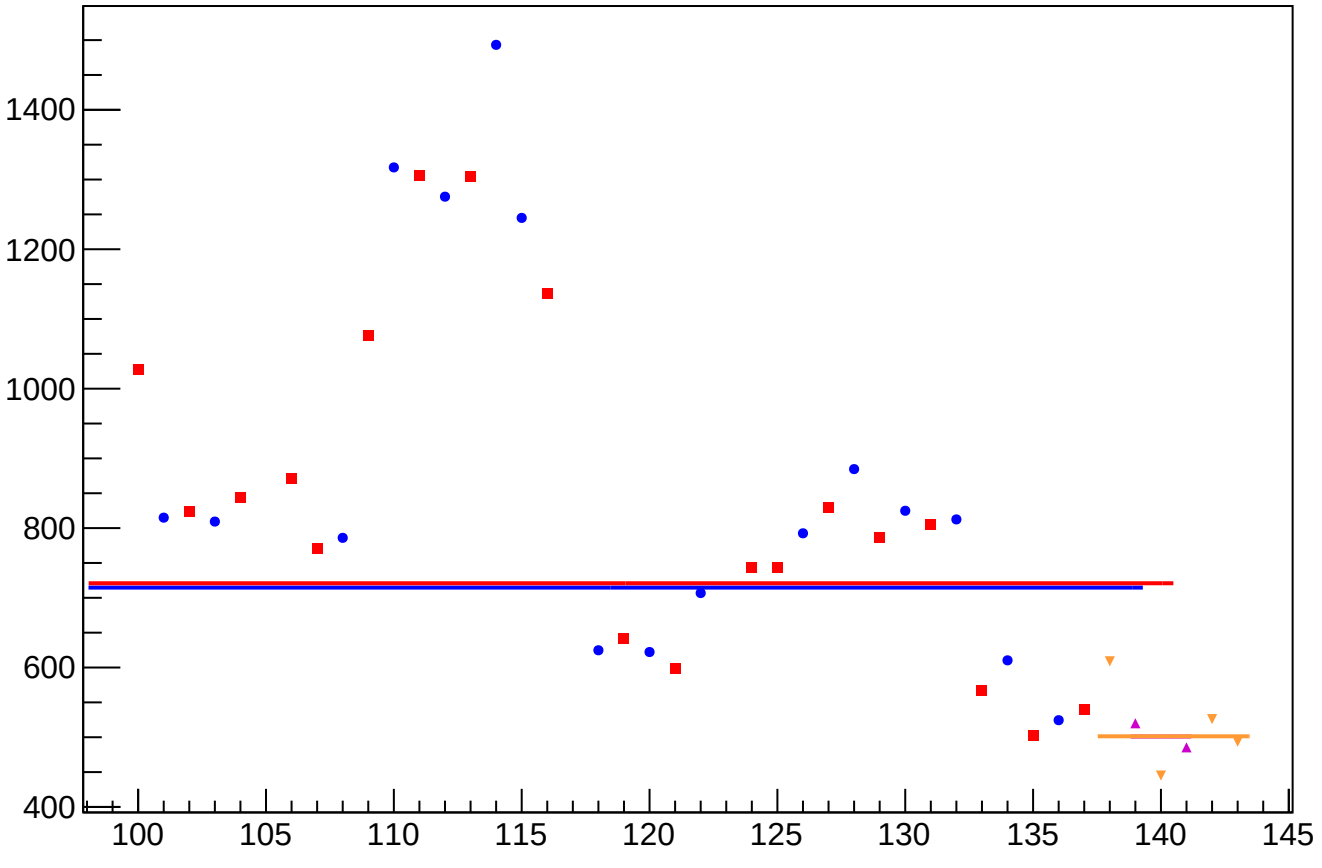
Left: 80.218+/-235.295 χ^2/NDF: 6.9/5

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -240.156+/-223.231 χ^2/NDF:13.5/17

Out: -20.252+/-201.537 χ^2/NDF:20.5/22

All: -119.002+/-149.591 χ^2/NDF: 34.6/40



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 501.354+/-0.211 χ^2/NDF:77636.1/3

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: 501.225+/-0.166 χ^2/NDF: 81649.5/5

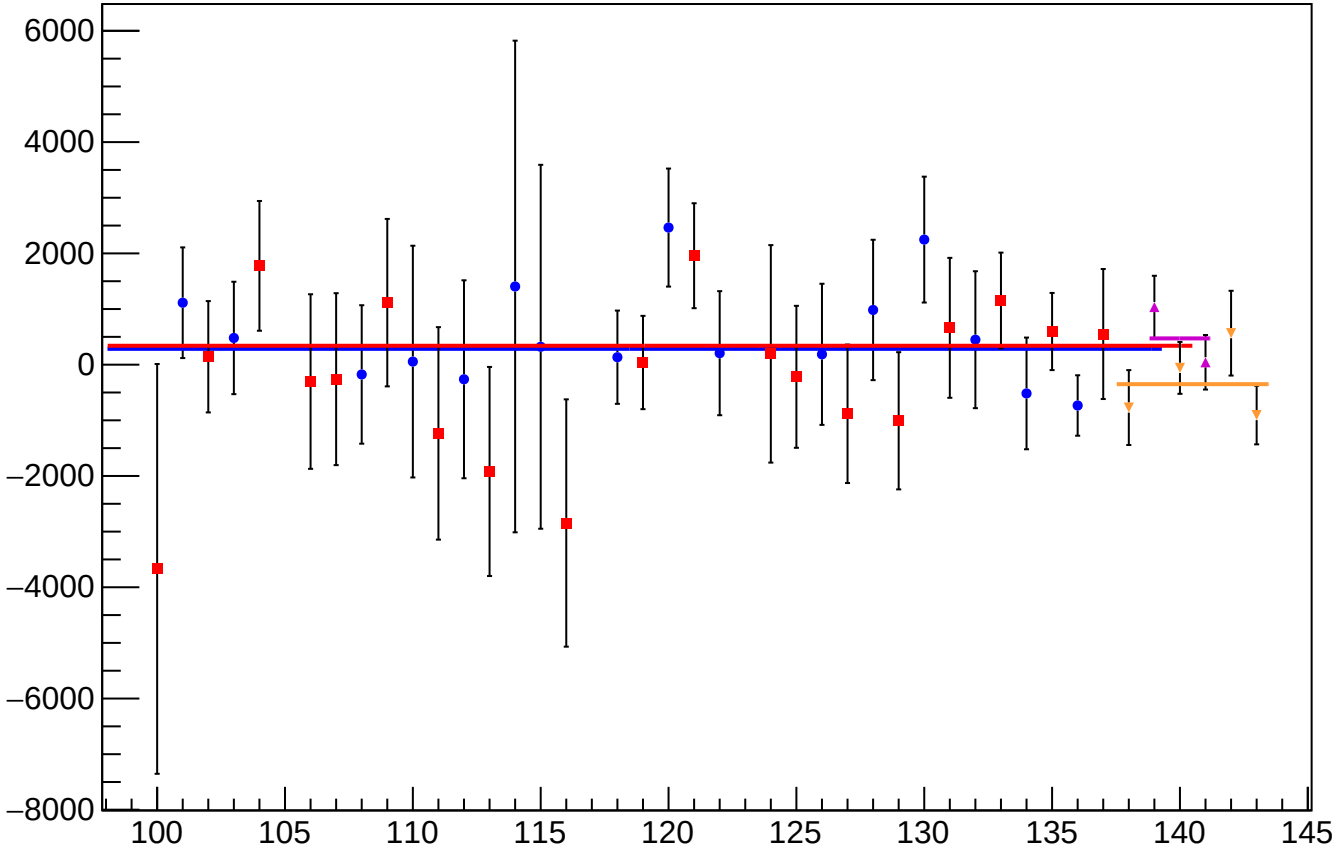
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 642.251+/-0.158 χ^2/NDF:1290716.3/17

Out: 620.475+/-0.143 χ^2/NDF:1685022.8/22

All: 630.254+/-0.106 χ^2/NDF: 2986224.4/40

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -350.341+/-287.094 χ^2/NDF:3.3/3

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: -40.463+/-226.656 χ^2/NDF: 8.2/5

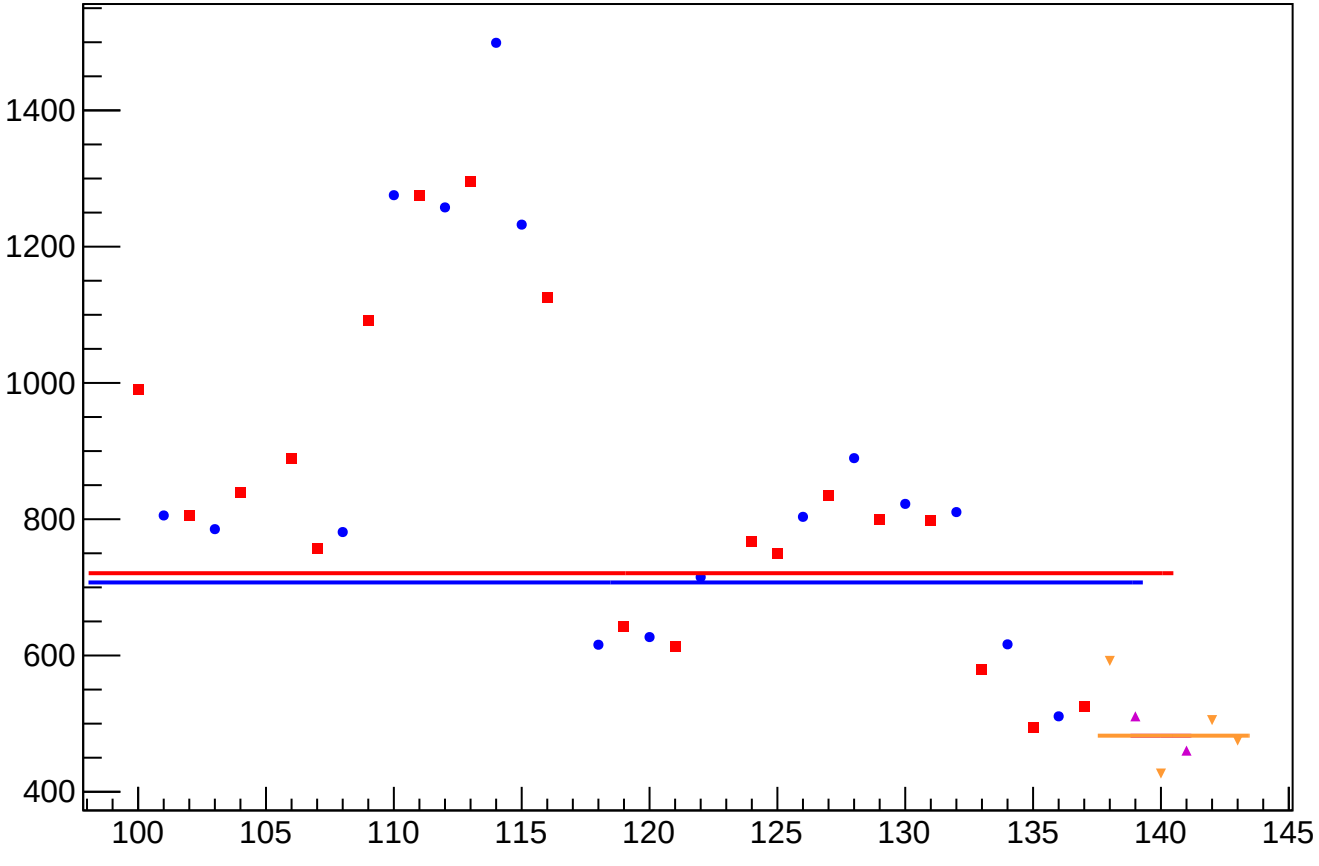
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 350.693+/-218.975 χ^2/NDF:14.7/17

Out: 11.442+/-198.064 χ^2/NDF:20.4/22

All: 164.099+/-146.890 χ^2/NDF: 36.5/40

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 482.343+/-0.203 χ^2/NDF:83767.5/3

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 482.168+/-0.261 χ^2/NDF:9113.8/1

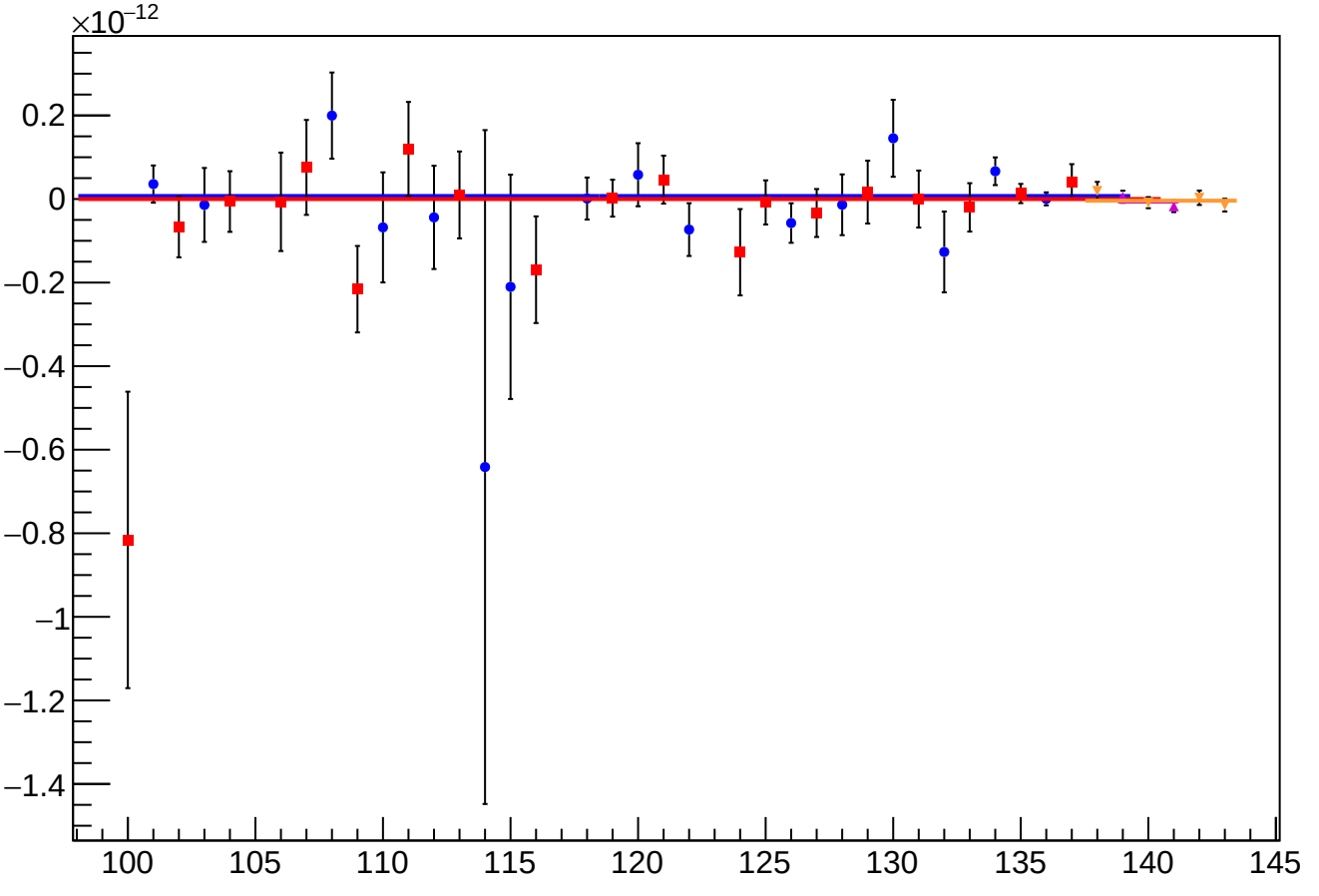
Left: 482.277+/-0.160 χ^2/NDF: 92881.5/5

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 628.081+/-0.155 χ^2/NDF:1387380.6/17

Out: 607.295+/-0.140 χ^2/NDF:1821970.3/22

All: 616.648+/-0.104 χ^2/NDF: 3219263.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/1

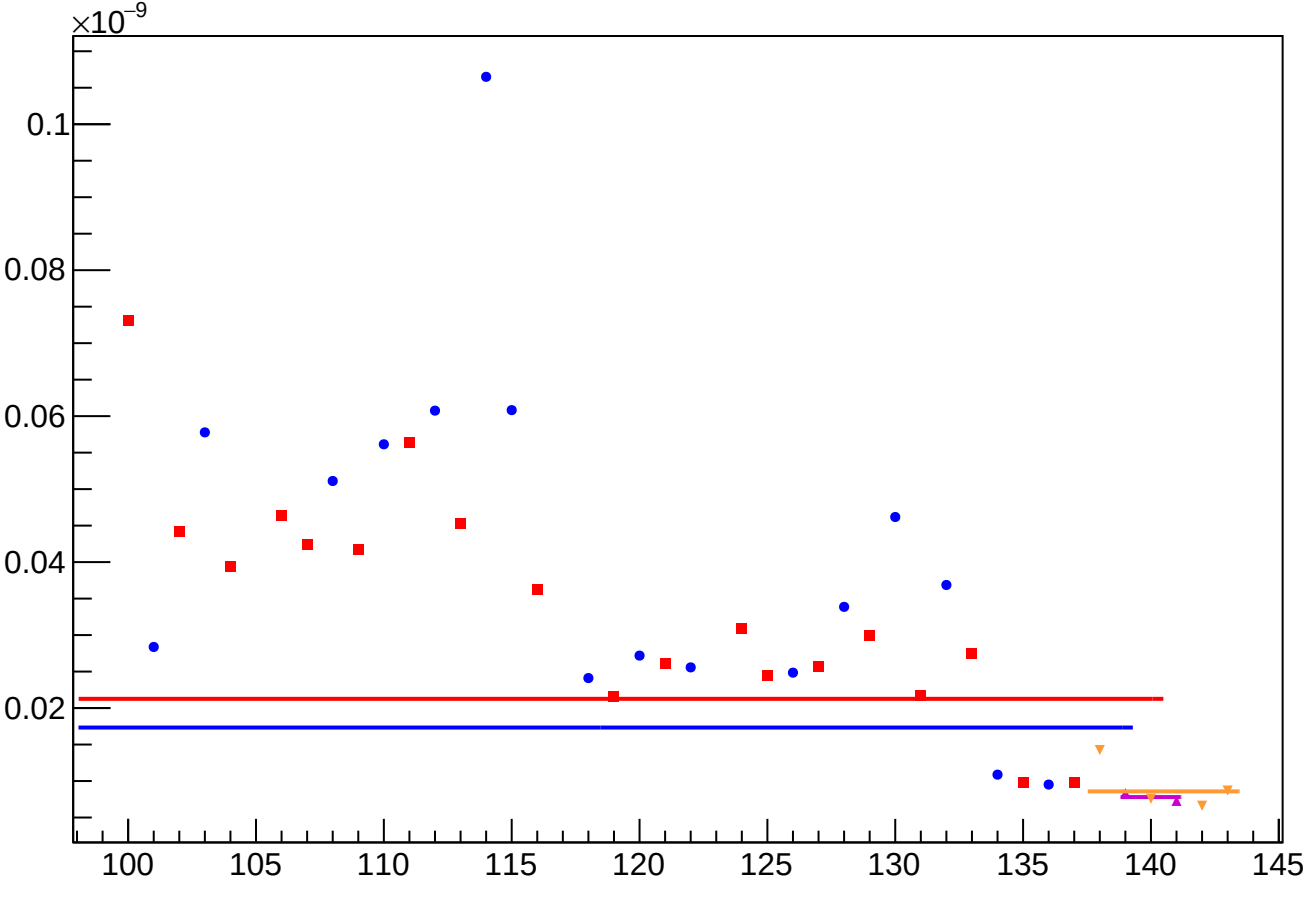
Left: -0.000+/-0.000 χ^2/NDF: 3.2/5

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:19.8/22

All: -0.000+/-0.000 χ^2/NDF: 39.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:171884.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5613.2/1

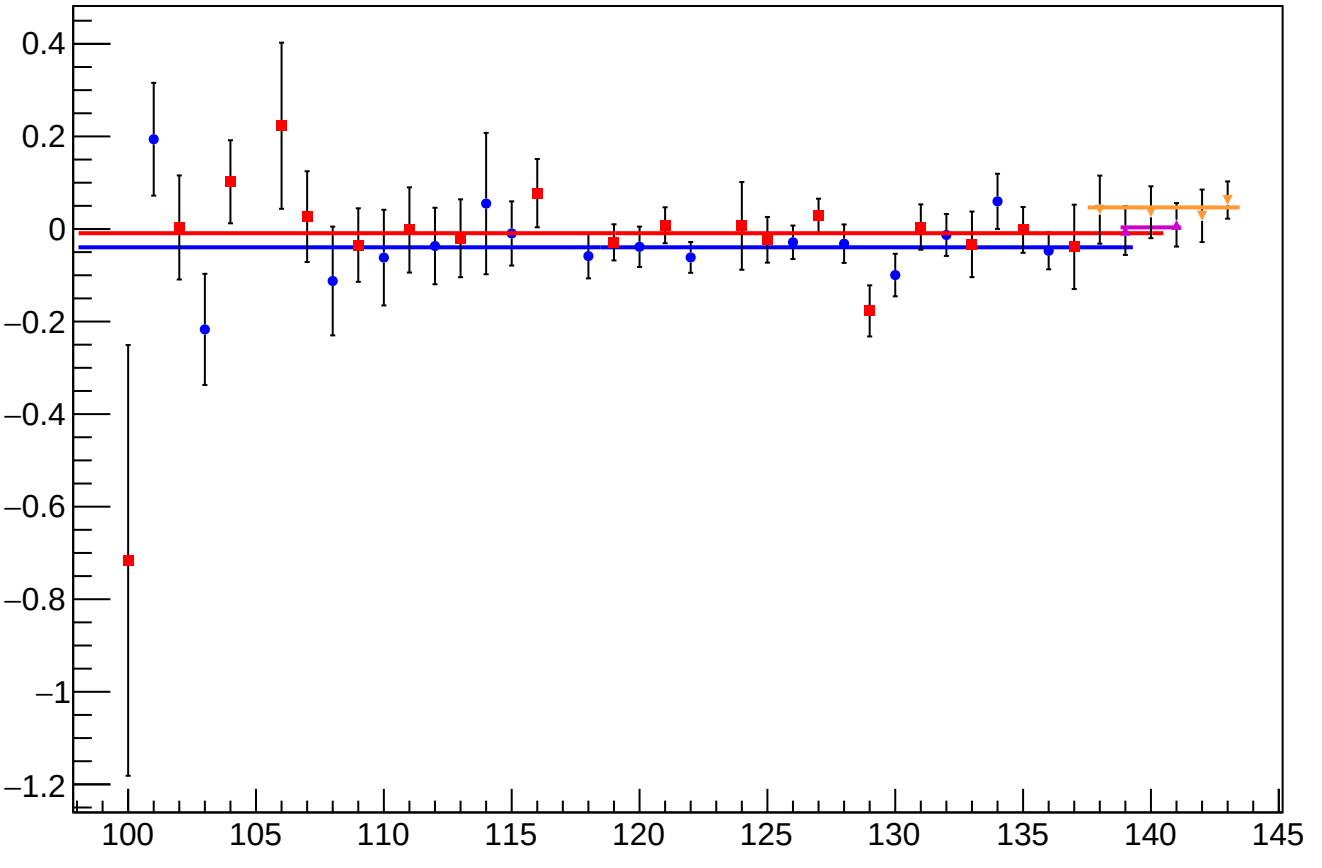
Left: 0.000+/-0.000 χ^2/NDF: 184778.3/5

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:3159555.2/22

All: 0.000+/-0.000 χ^2/NDF: 6311683.0/40



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.003+/-0.035 χ^2/NDF:0.0/1

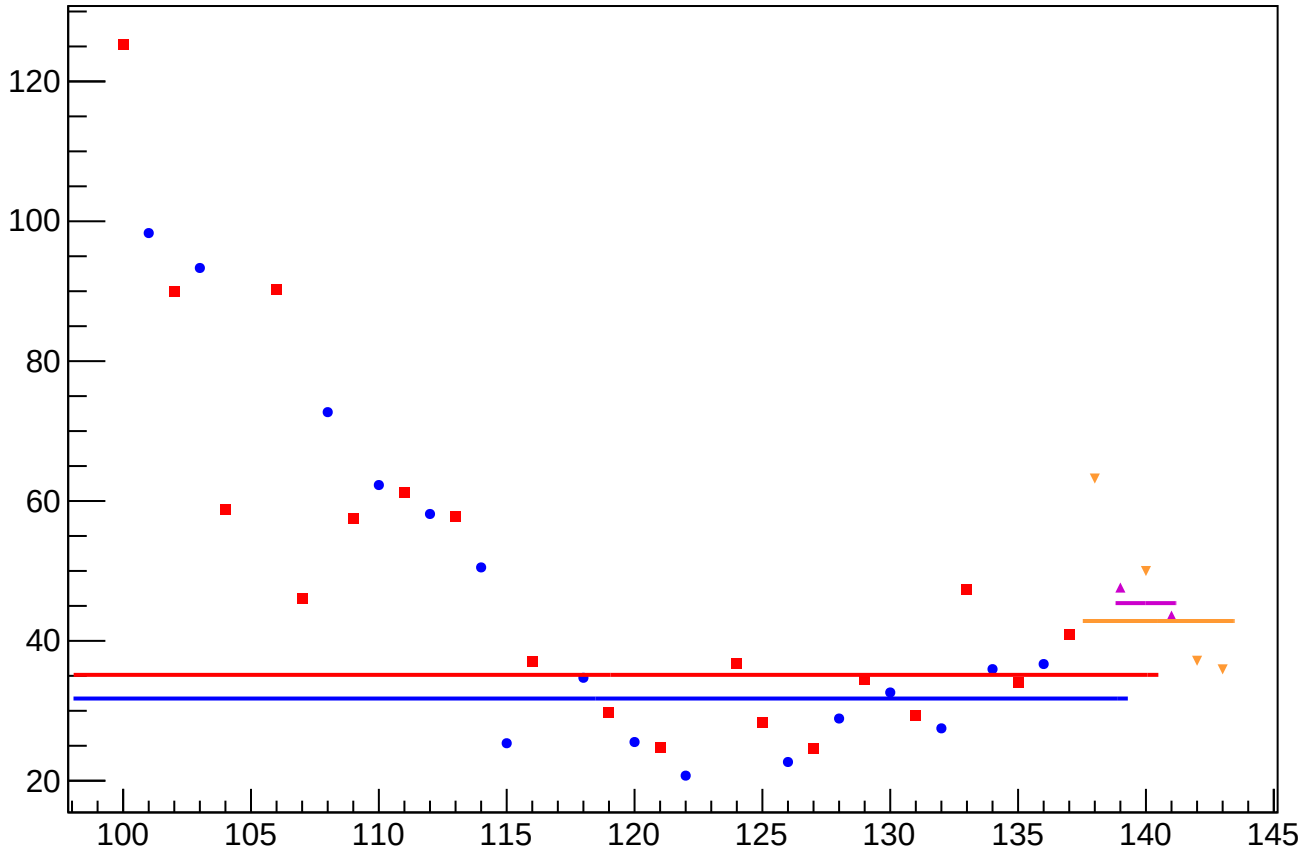
Left: 0.031+/-0.021 χ^2/NDF: 1.3/5

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.012 χ^2/NDF:13.8/17

Out: 0.003+/-0.012 χ^2/NDF:22.0/22

All: -0.016+/-0.009 χ^2/NDF: 40.4/40



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 42.842+/-0.019 χ^2/NDF:264889.1/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6480.4/1

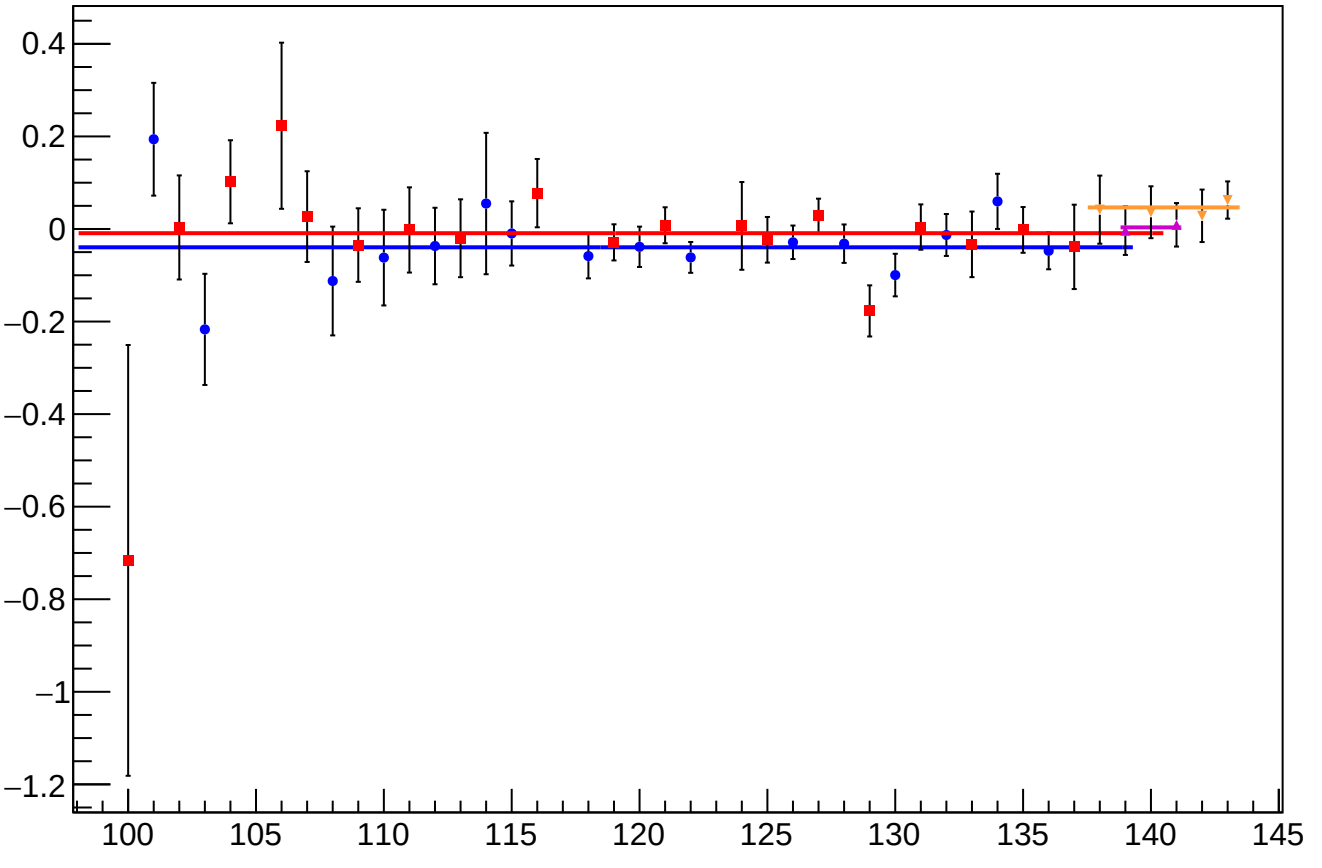
Left: 43.770+/-0.015 χ^2/NDF: 278159.8/5

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.444+/-0.009 χ^2/NDF:2524832.6/17

Out: 36.858+/-0.009 χ^2/NDF:2241463.4/22

All: 35.128+/-0.006 χ^2/NDF: 4842047.2/40



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.026 χ^2/NDF:0.3/3

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.003+/-0.035 χ^2/NDF:0.0/1

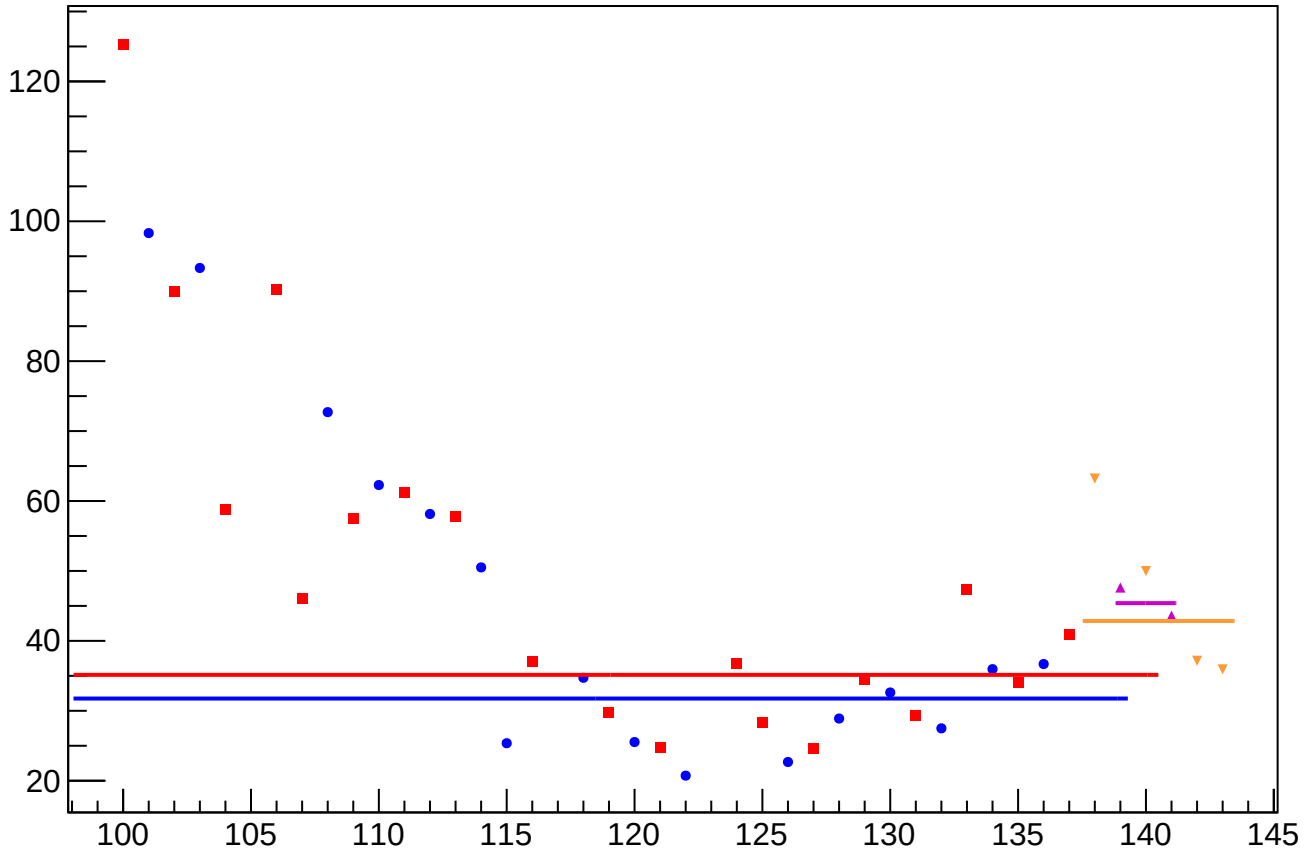
Left: 0.031+/-0.021 χ^2/NDF: 1.3/5

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.012 χ^2/NDF:13.8/17

Out: 0.003+/-0.012 χ^2/NDF:22.0/22

All: -0.016+/-0.009 χ^2/NDF: 40.4/40



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 42.842+/-0.019 χ^2/NDF:264889.1/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6480.4/1

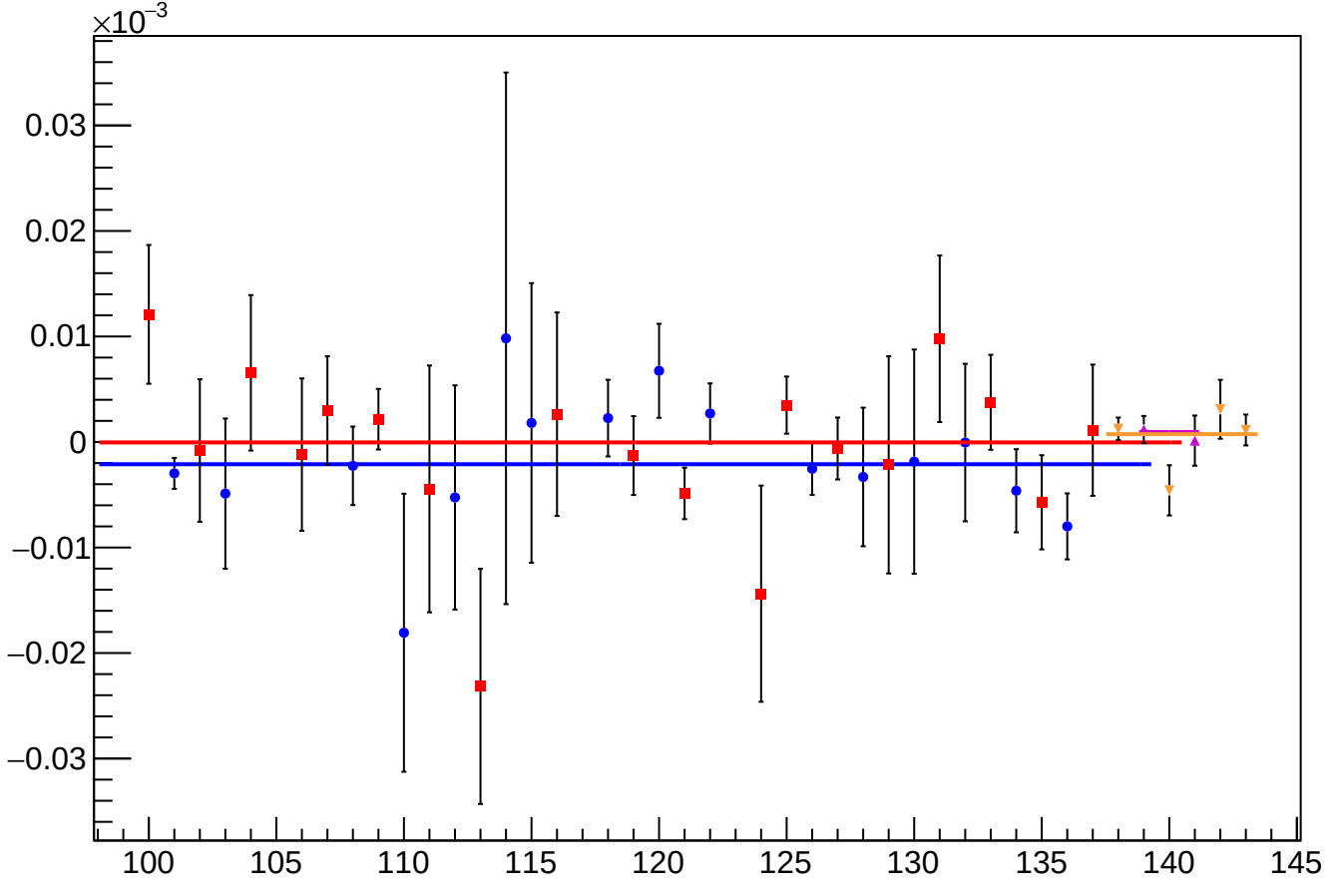
Left: 43.770+/-0.015 χ^2/NDF: 278159.8/5

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.444+/-0.009 χ^2/NDF:2524832.6/17

Out: 36.858+/-0.009 χ^2/NDF:2241463.4/22

All: 35.128+/-0.006 χ^2/NDF: 4842047.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/1

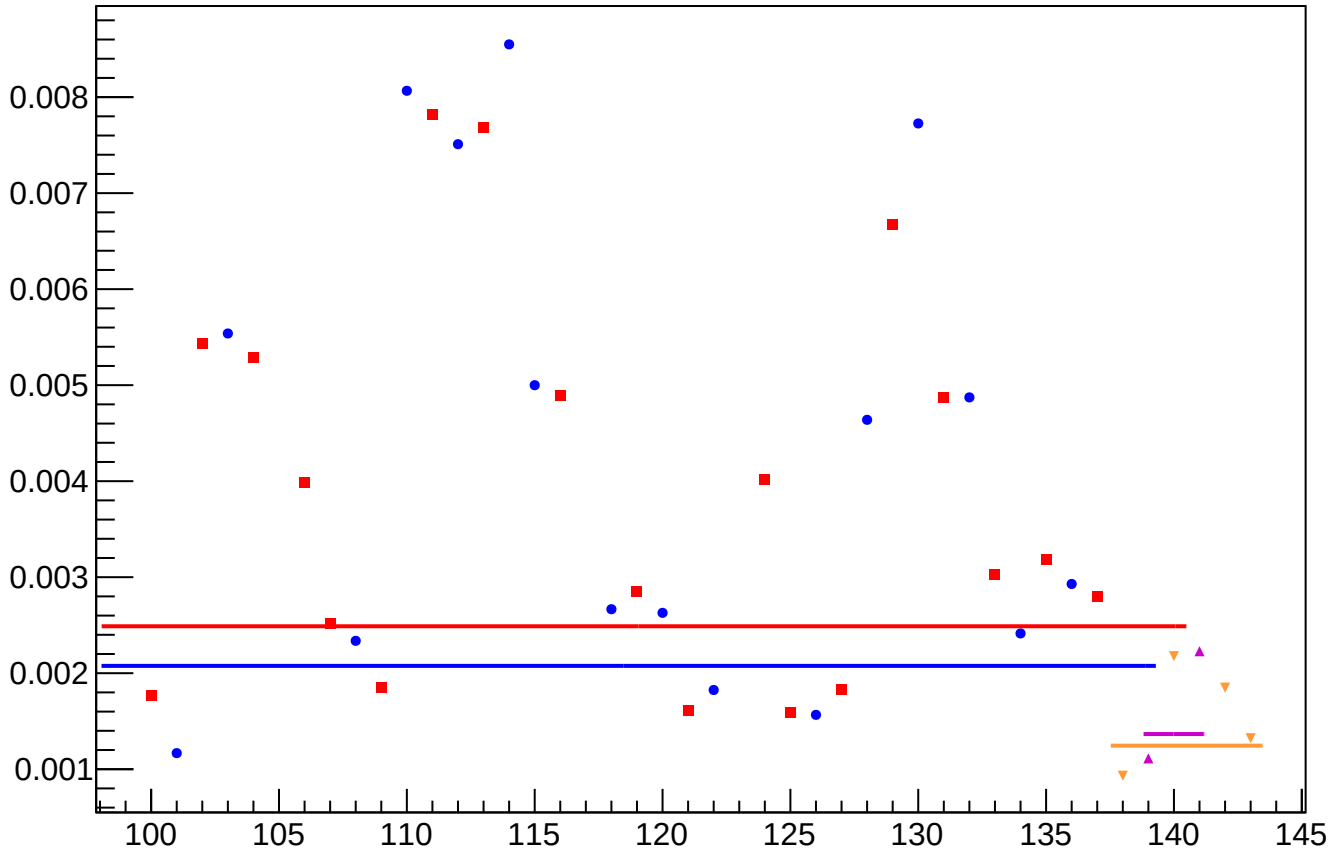
Left: 0.000+/-0.000 χ^2/NDF: 6.2/5

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:27.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.2/40



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:580124.4/3

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:340688.5/1

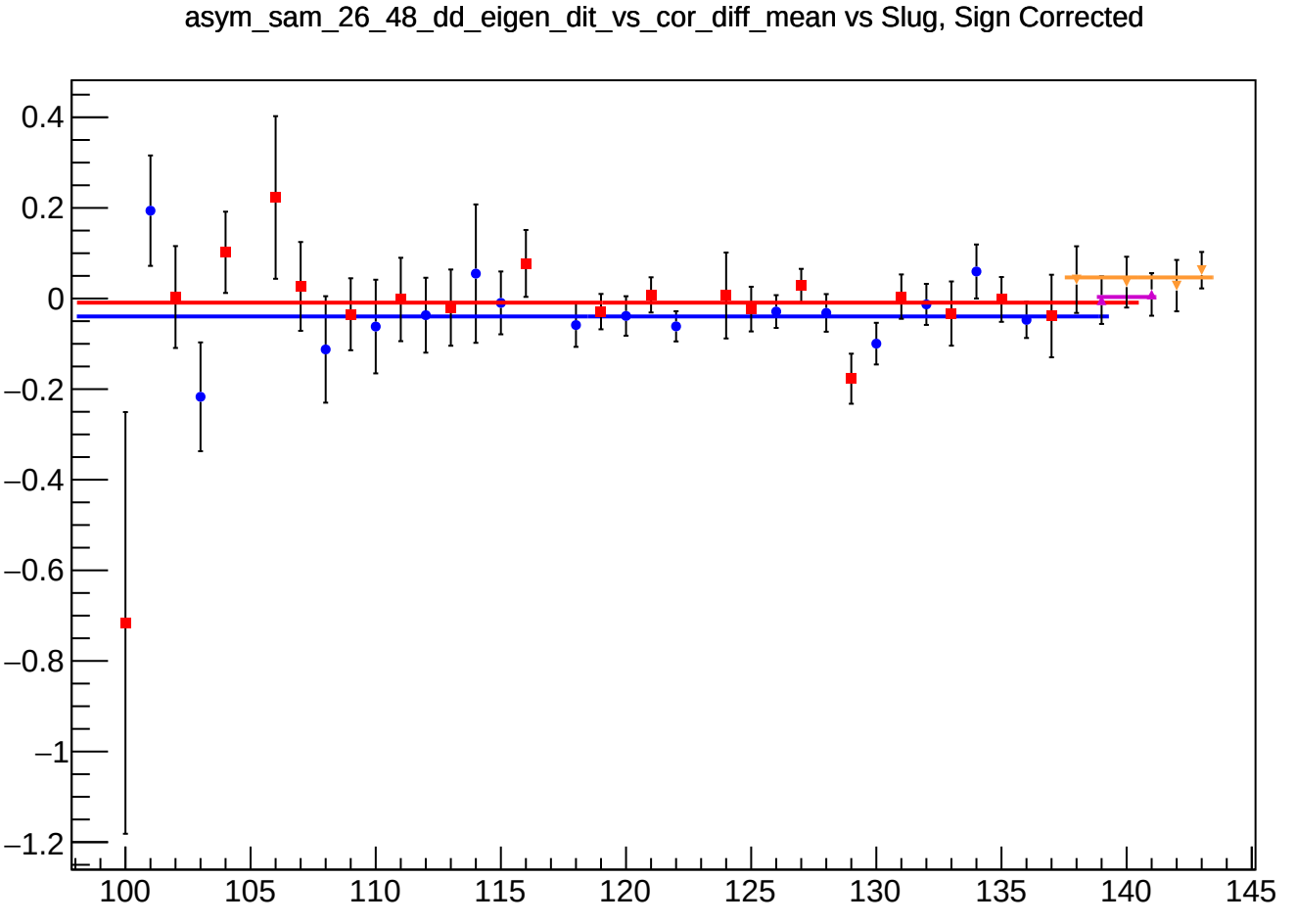
Left: 0.001+/-0.000 χ^2/NDF: 936320.4/5

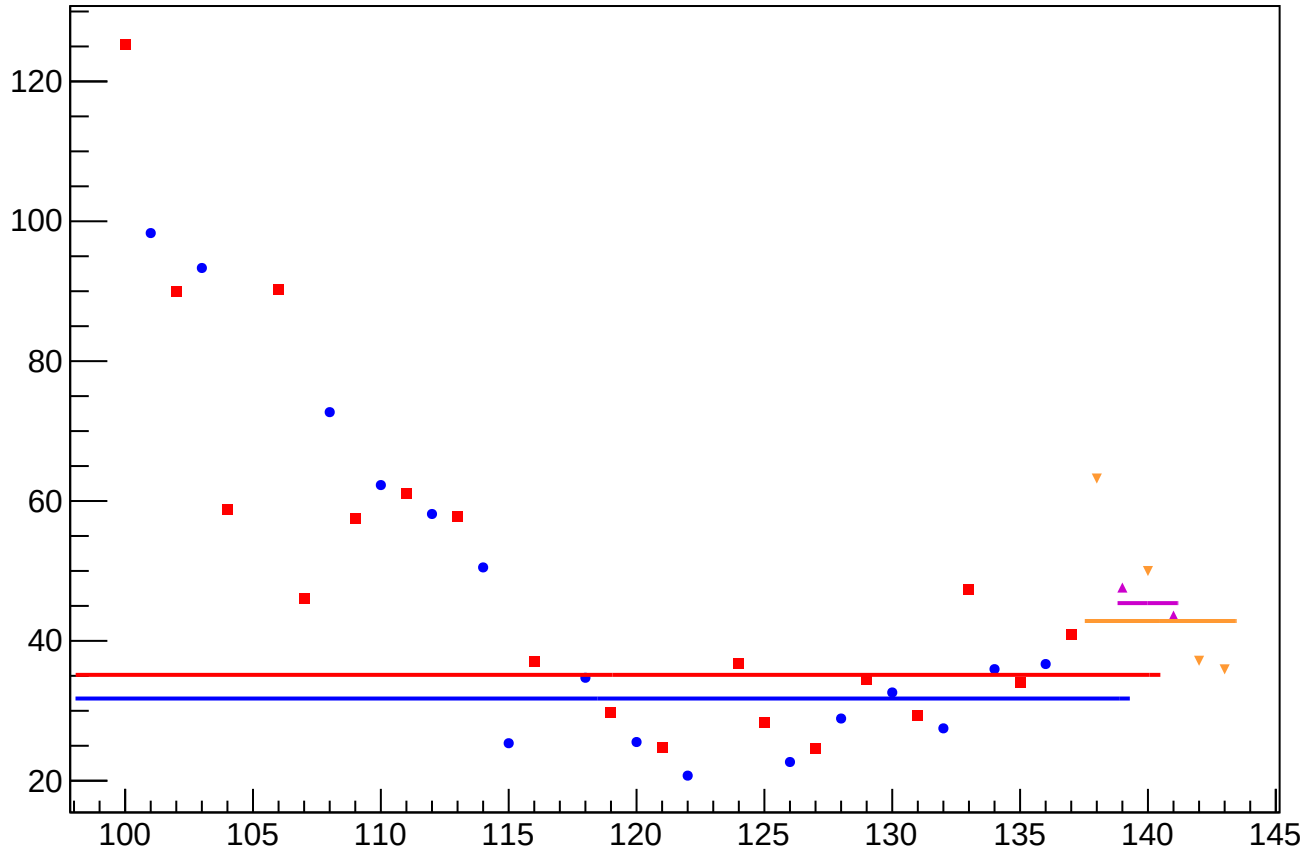
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.002+/-0.000 χ^2/NDF:4735330.3/17

Out: 0.002+/-0.000 χ^2/NDF:5503107.5/22

All: 0.002+/-0.000 χ^2/NDF: 10264971.3/40


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
105
110
115
120
125
130
135
140
145
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.047+/-0.026 χ²/NDF:0.3/3
Right Out: -0.009+/-0.014 χ²/NDF: 18.3/18
Left In: 0.003+/-0.035 χ²/NDF:0.0/1
Left: 0.031+/-0.021 χ²/NDF: 1.3/5
Right: -0.025+/-0.010 χ²/NDF: 33.2/34
In: -0.034+/-0.012 χ²/NDF:13.8/17
Out: 0.003+/-0.012 χ²/NDF:22.0/22
All: -0.016+/-0.009 χ²/NDF: 40.4/40



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 42.843+/-0.019 χ^2/NDF:264874.4/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6478.5/1

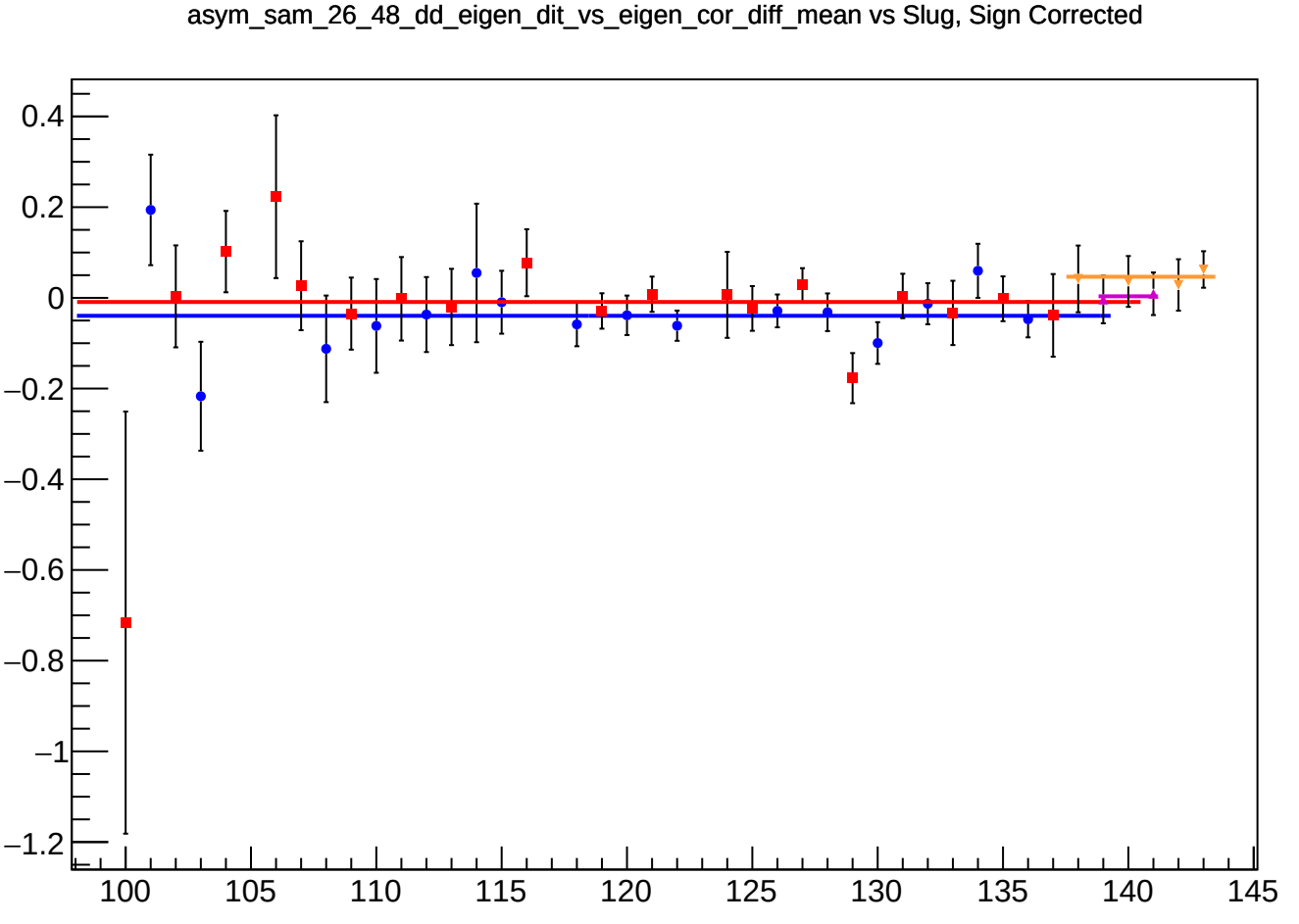
Left: 43.771+/-0.015 χ^2/NDF: 278141.9/5

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

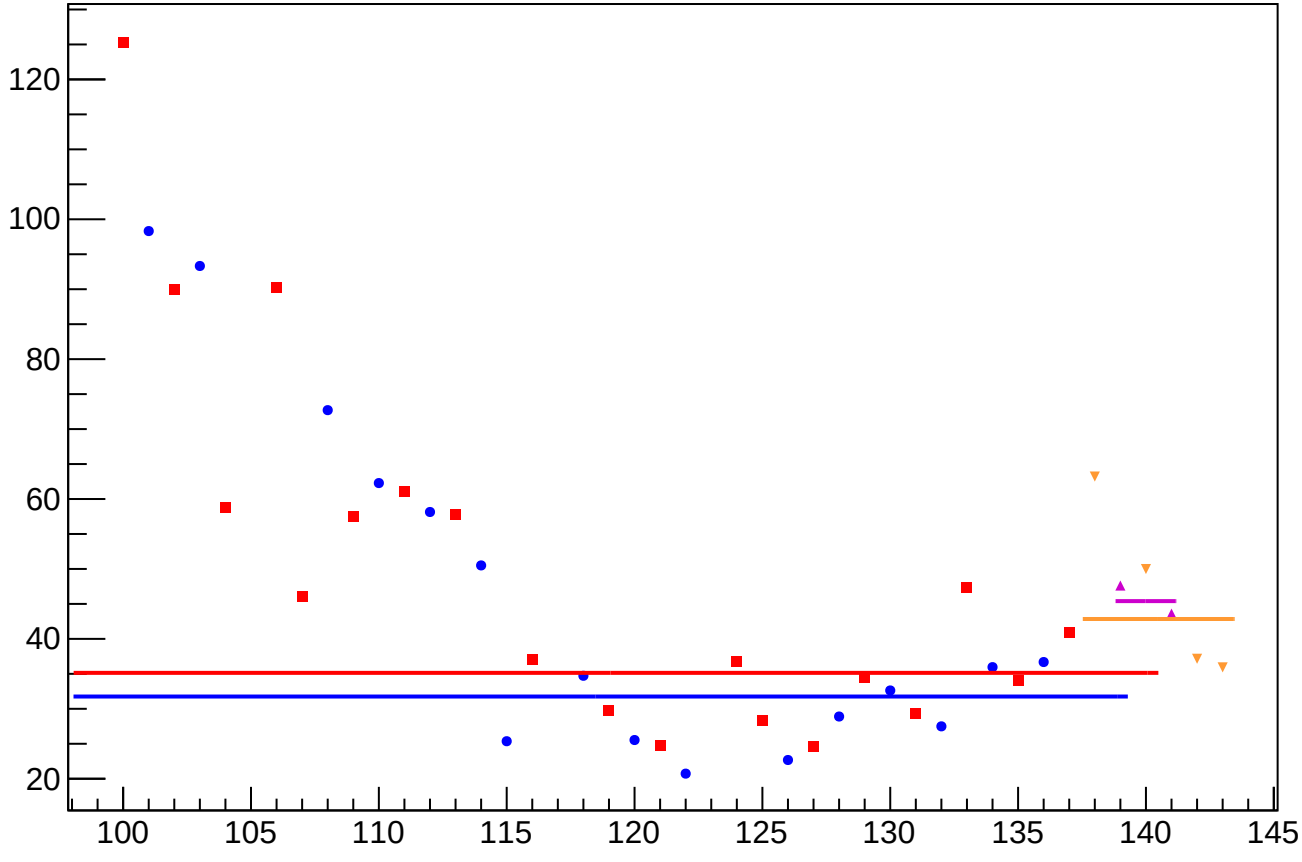
In: 33.444+/-0.009 χ^2/NDF:2524799.9/17

Out: 36.858+/-0.009 χ^2/NDF:2241344.7/22

All: 35.128+/-0.006 χ^2/NDF: 4841899.6/40


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
105
110
115
120
125
130
135
140
145
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.047+/-0.026 χ²/NDF:0.3/3
Right Out: -0.009+/-0.014 χ²/NDF: 18.3/18
Left In: 0.003+/-0.035 χ²/NDF:0.0/1
Left: 0.031+/-0.021 χ²/NDF: 1.3/5
Right: -0.025+/-0.010 χ²/NDF: 33.2/34
In: -0.034+/-0.012 χ²/NDF:13.8/17
Out: 0.003+/-0.012 χ²/NDF:22.0/22
All: -0.016+/-0.009 χ²/NDF: 40.4/40

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: 42.843+/-0.019 χ^2/NDF:264874.4/3

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 45.399+/-0.025 χ^2/NDF:6478.5/1

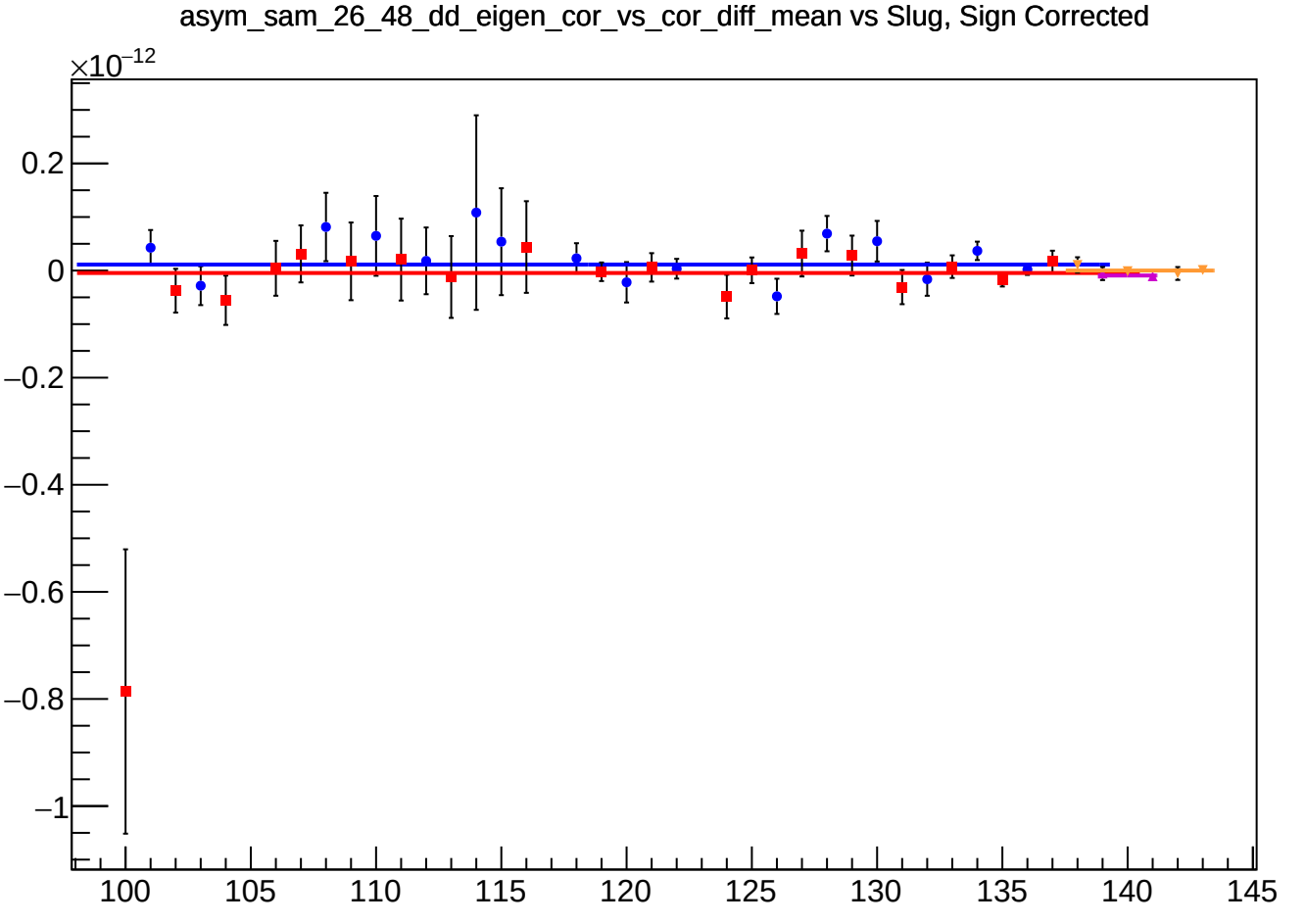
Left: 43.771+/-0.015 χ^2/NDF: 278141.9/5

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.444+/-0.009 χ^2/NDF:2524799.9/17

Out: 36.858+/-0.009 χ^2/NDF:2241344.7/22

All: 35.128+/-0.006 χ^2/NDF: 4841899.6/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

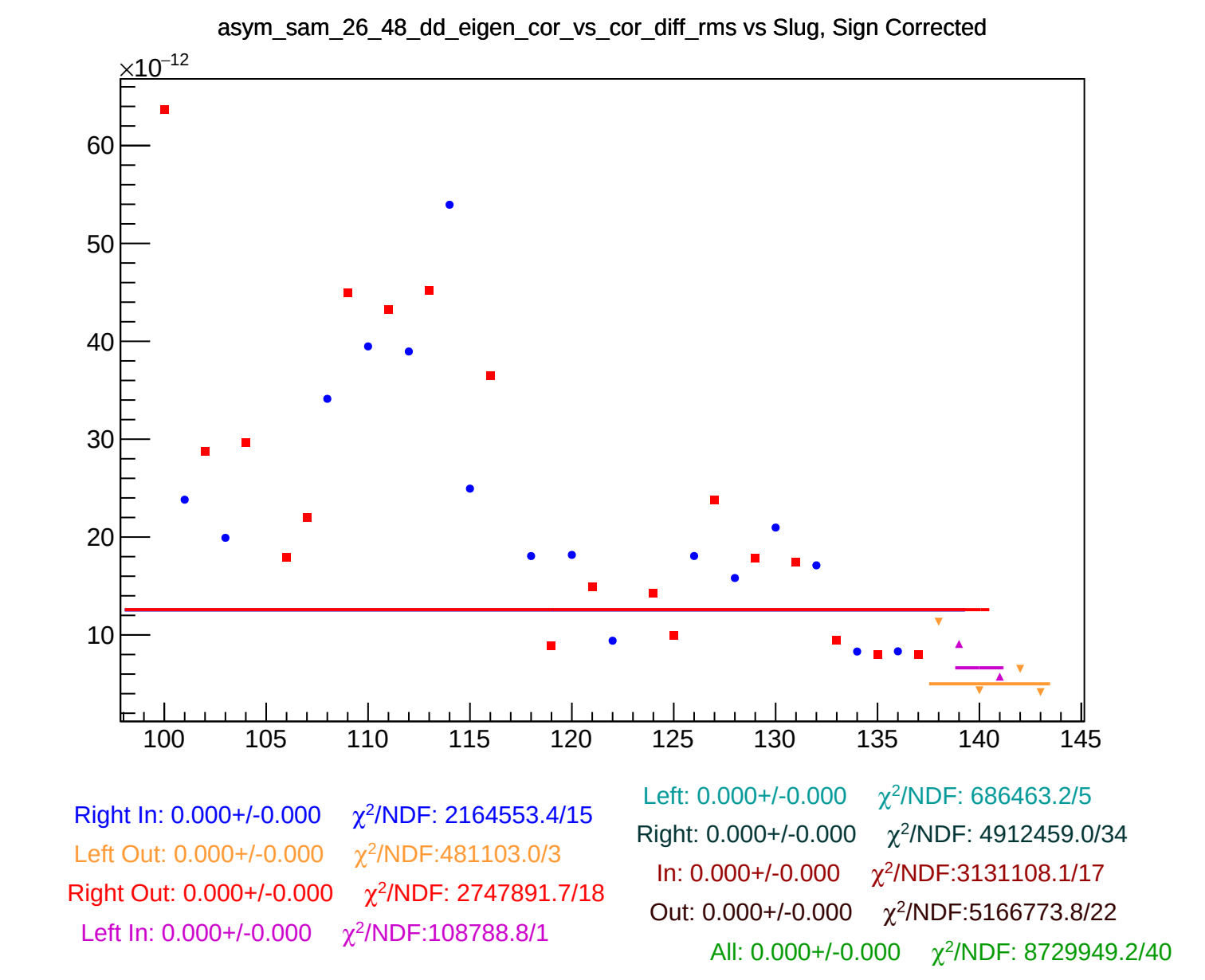
Left: -0.000+/-0.000 χ^2/NDF: 2.5/5

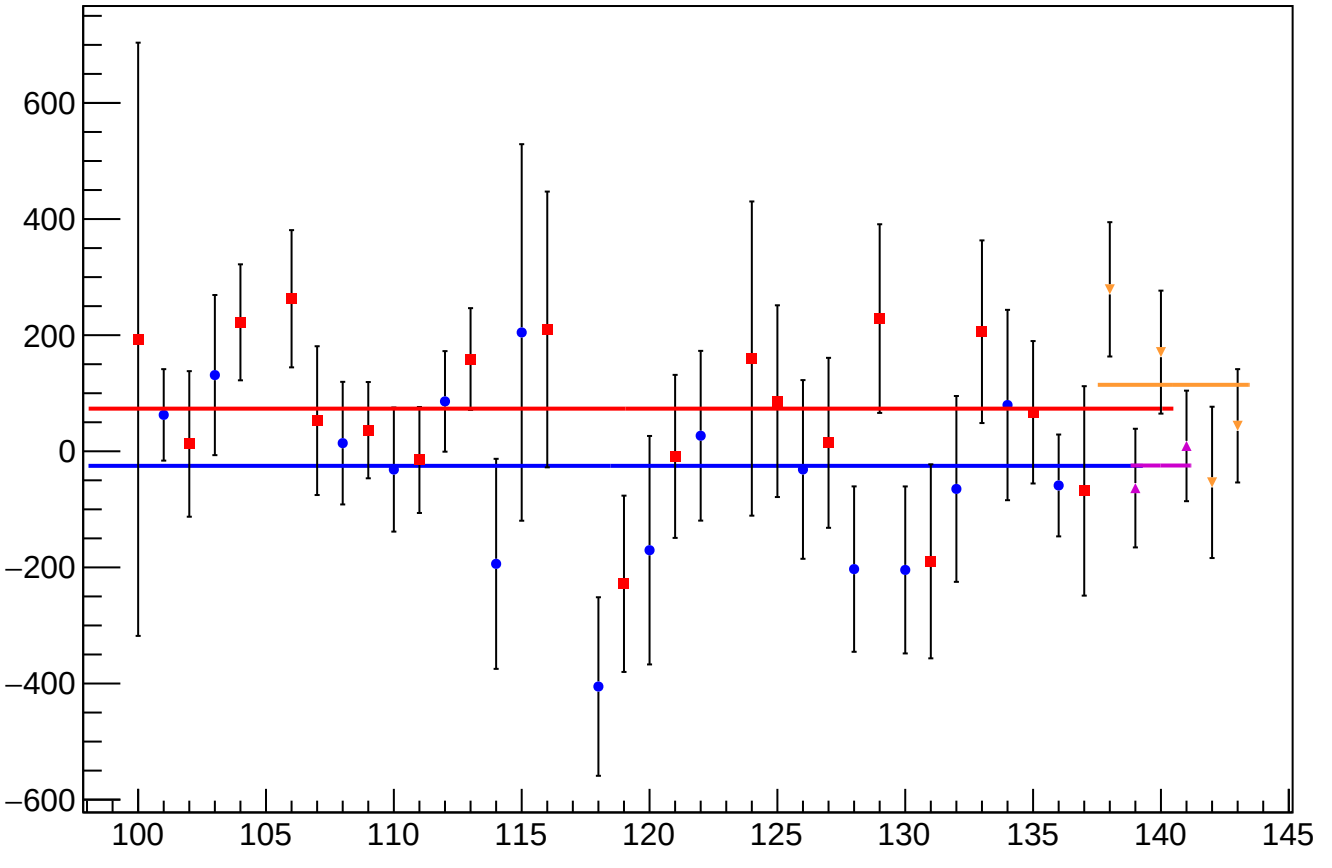
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.1/17

Out: -0.000+/-0.000 χ^2/NDF:18.6/22

All: -0.000+/-0.000 χ^2/NDF: 40.9/40


asym_sam_26_48_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
145
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:481103.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:108788.8/1
Left: 0.000+/-0.000 χ²/NDF: 686463.2/5
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:3131108.1/17
Out: 0.000+/-0.000 χ²/NDF:5166773.8/22
All: 0.000+/-0.000 χ²/NDF: 8729949.2/40



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.494+/-55.239 χ^2/NDF:4.5/3

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: -24.497+/-69.657 χ^2/NDF:0.3/1

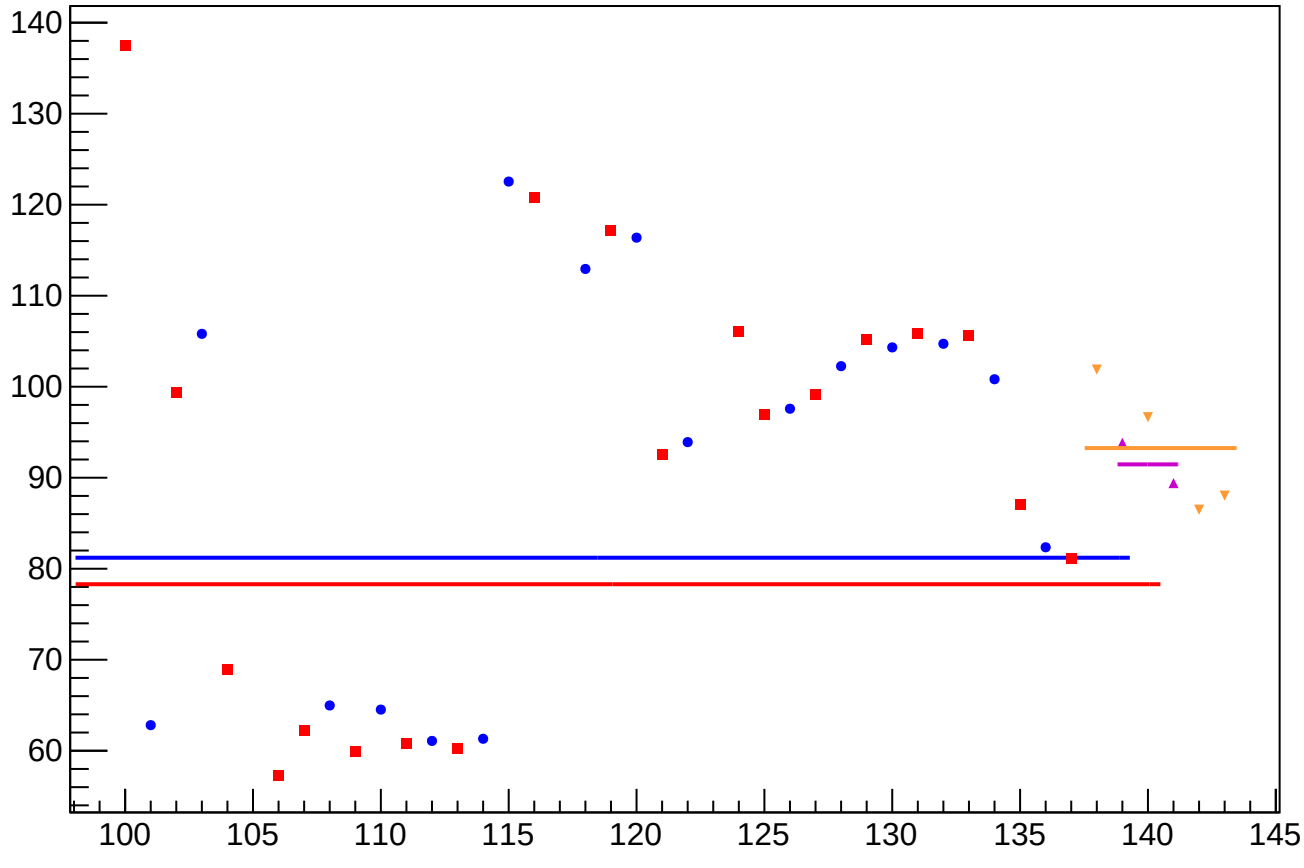
Left: 60.832+/-43.282 χ^2/NDF: 7.2/5

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -24.976+/-28.497 χ^2/NDF:16.5/17

Out: 82.773+/-26.319 χ^2/NDF:21.7/22

All: 33.173+/-19.334 χ^2/NDF: 45.9/40



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

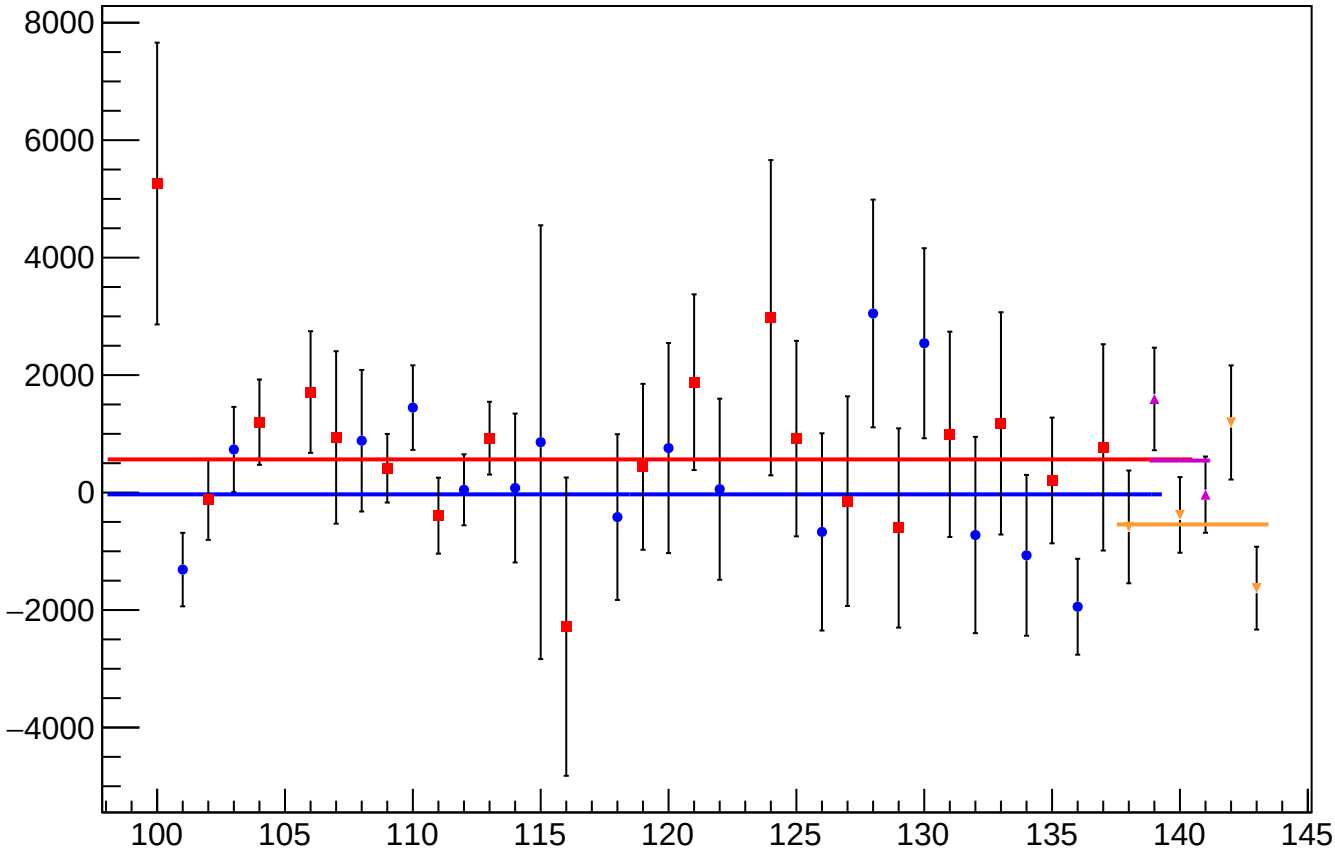
Left: 92.567+/-0.031 χ^2/NDF: 27138.9/5

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 82.926+/-0.020 χ^2/NDF:825804.0/17

Out: 81.694+/-0.019 χ^2/NDF:1072395.1/22

All: 82.261+/-0.014 χ^2/NDF: 1900217.2/40



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -542.495+/-390.229 χ^2/NDF:5.6/3

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 545.092+/-520.818 χ^2/NDF:2.2/1

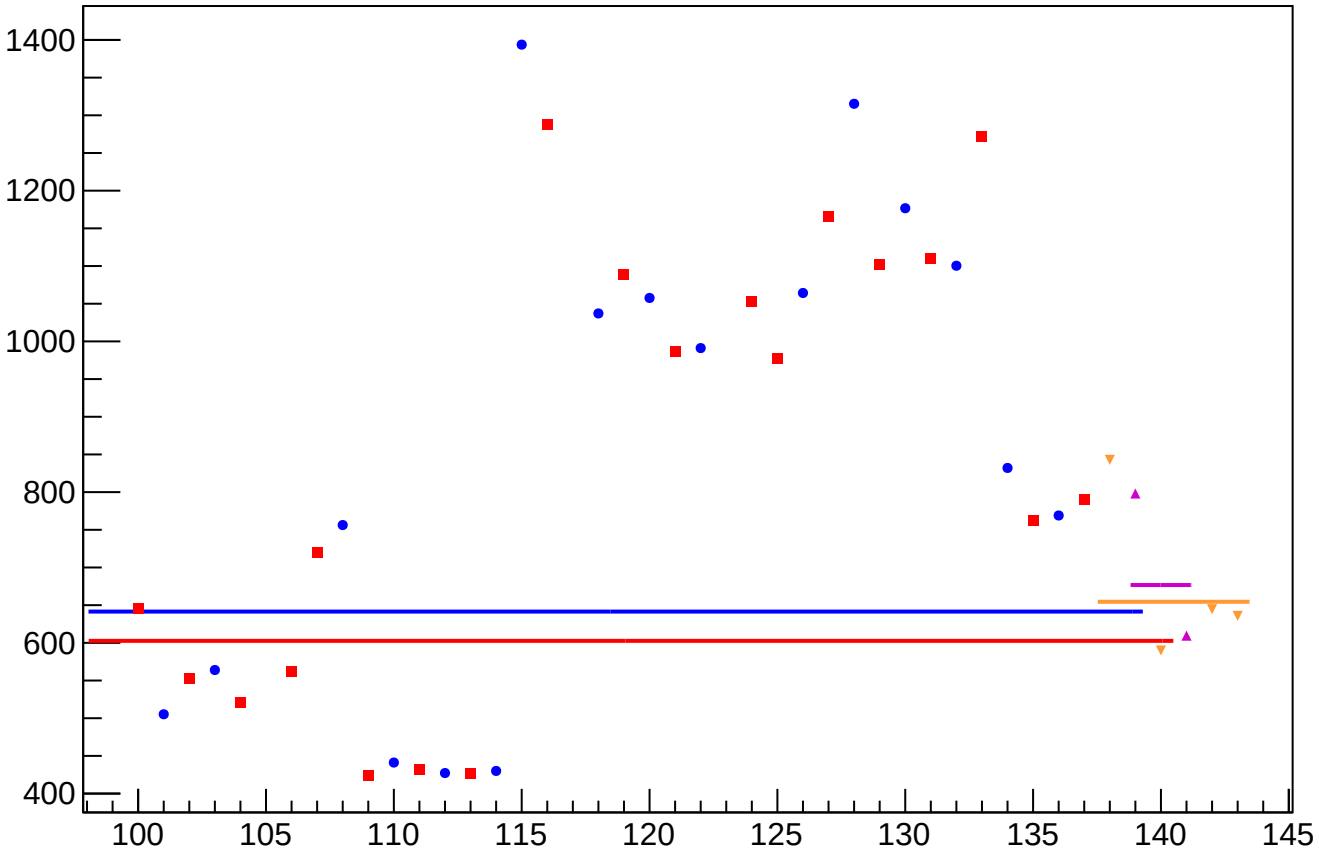
Left: -151.457+/-312.294 χ^2/NDF: 10.7/5

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 82.285+/-230.467 χ^2/NDF:25.1/17

Out: 263.746+/-203.496 χ^2/NDF:24.8/22

All: 184.250+/-152.542 χ^2/NDF: 50.2/40



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 654.523+/-0.276 χ^2/NDF:98760.7/3

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 676.735+/-0.368 χ^2/NDF:60167.3/1

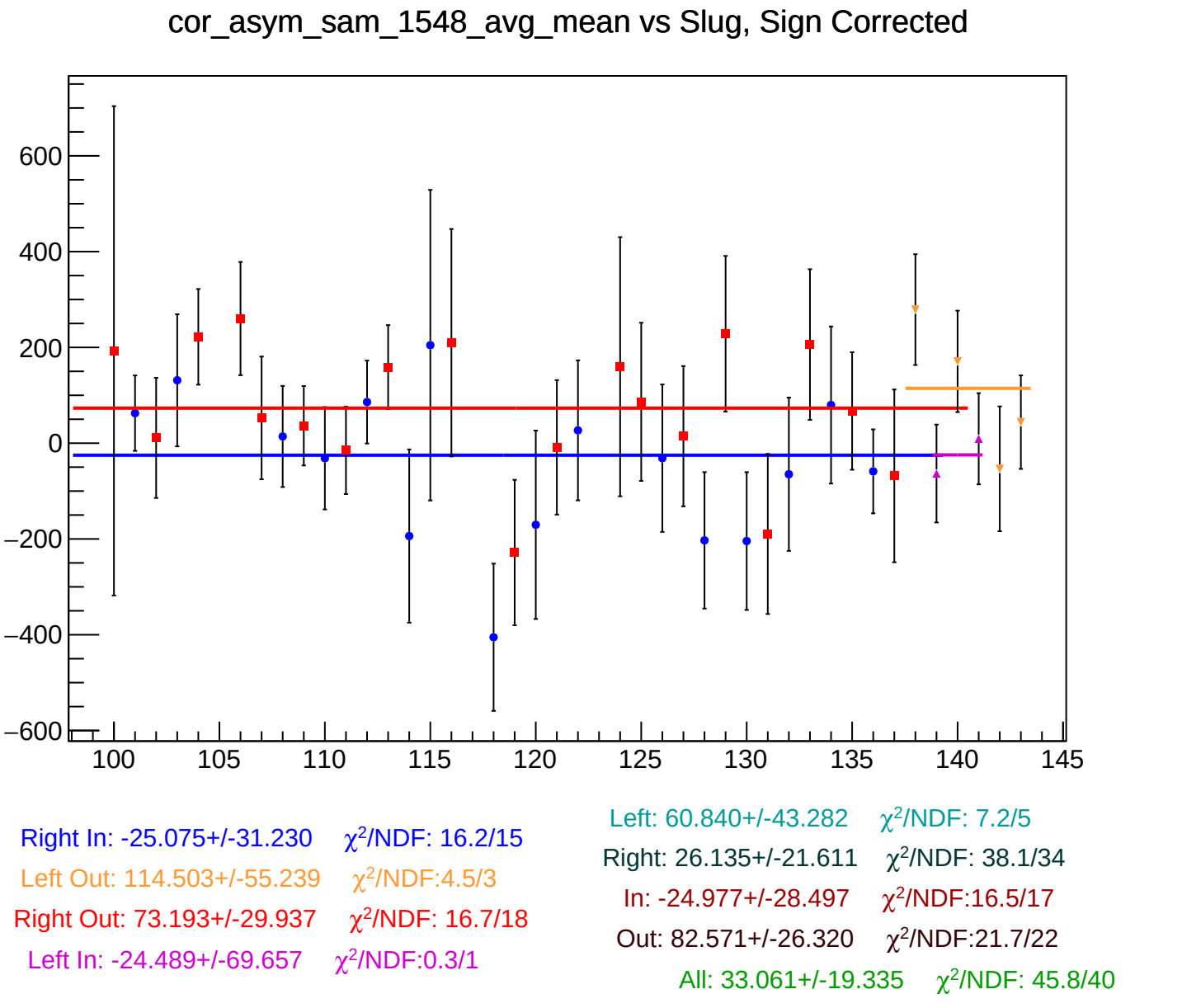
Left: 662.509+/-0.221 χ^2/NDF: 161257.9/5

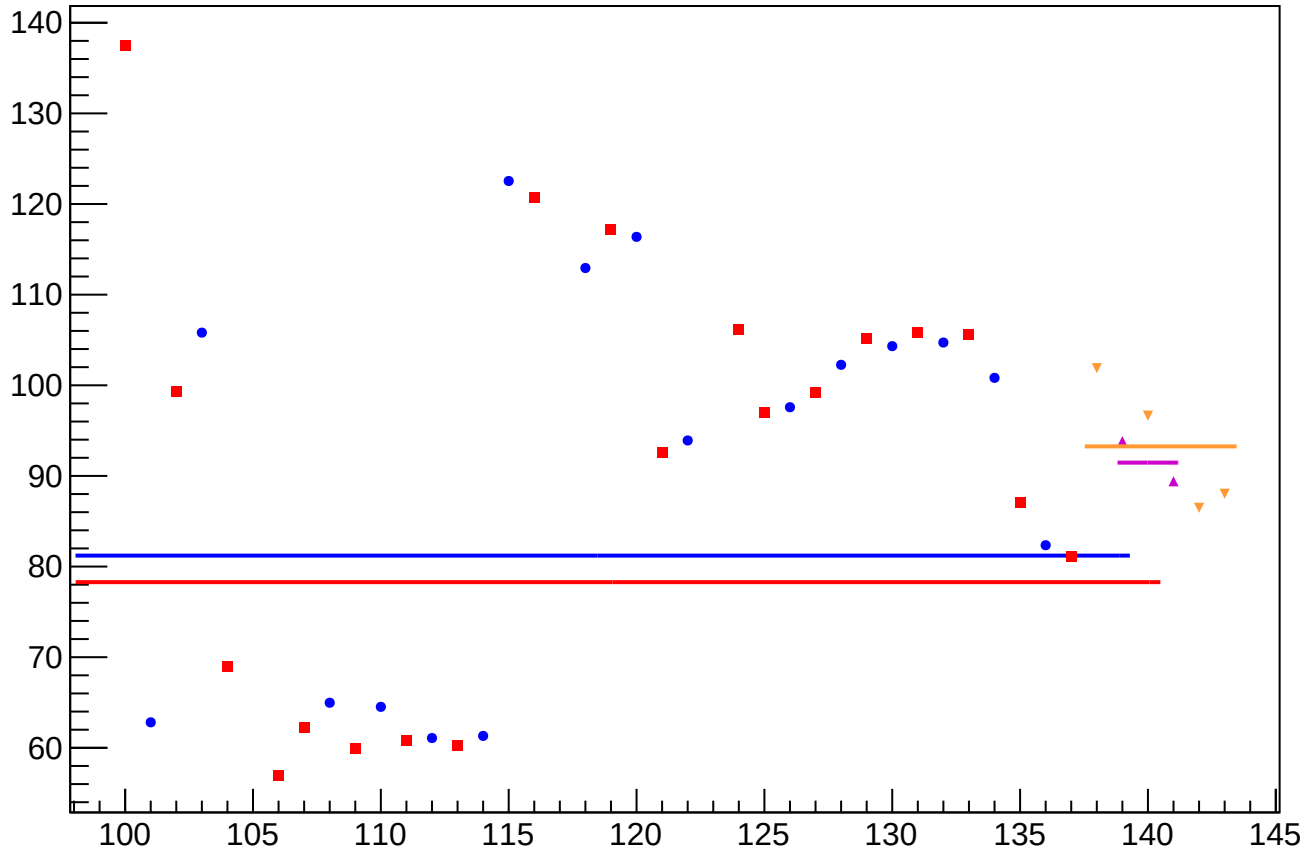
Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 648.398+/-0.163 χ^2/NDF:1942520.1/17

Out: 616.759+/-0.144 χ^2/NDF:2194794.6/22

All: 630.620+/-0.108 χ^2/NDF: 4158495.0/40


cor_asym_sam_1548_avg_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
140
145
Right In: -25.075+/-31.230 χ²/NDF: 16.2/15
Left Out: 114.503+/-55.239 χ²/NDF:4.5/3
Right Out: 73.193+/-29.937 χ²/NDF: 16.7/18
Left In: -24.489+/-69.657 χ²/NDF:0.3/1
Left: 60.840+/-43.282 χ²/NDF: 7.2/5
Right: 26.135+/-21.611 χ²/NDF: 38.1/34
In: -24.977+/-28.497 χ²/NDF:16.5/17
Out: 82.571+/-26.320 χ²/NDF:21.7/22
All: 33.061+/-19.335 χ²/NDF: 45.8/40



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

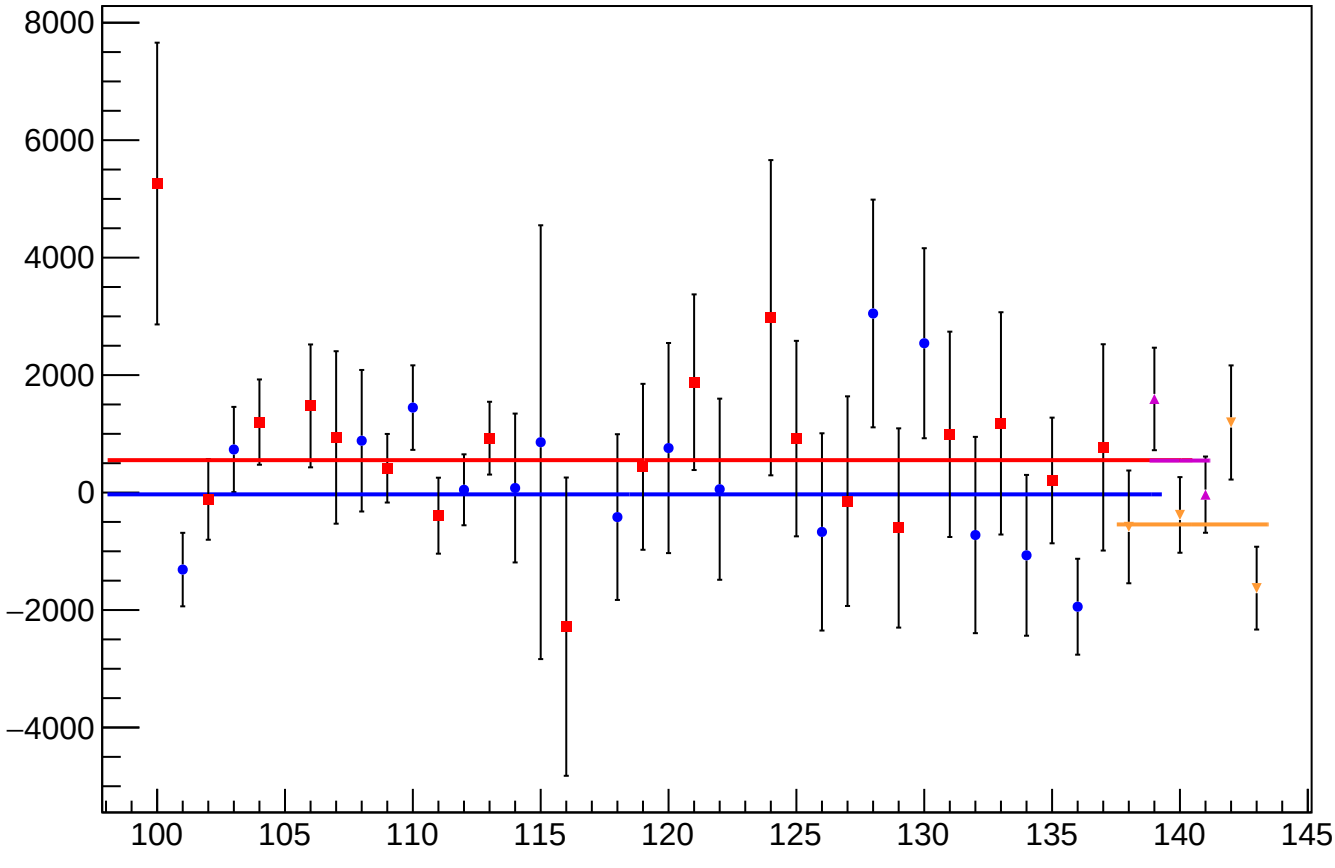
Left: 92.567+/-0.031 χ^2/NDF: 27138.9/5

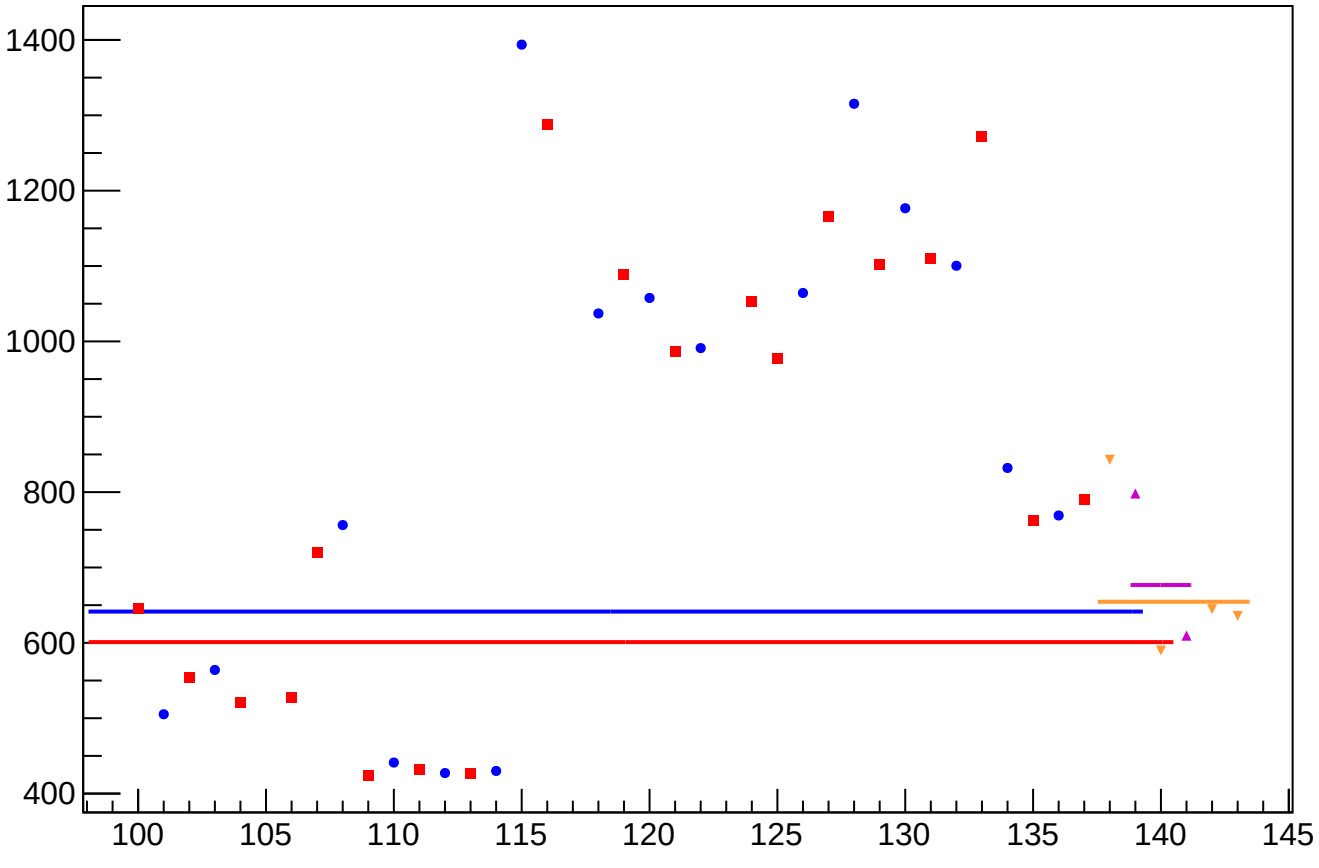
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.926+/-0.020 χ^2/NDF:825806.2/17

Out: 81.680+/-0.019 χ^2/NDF:1074813.2/22

All: 82.254+/-0.014 χ^2/NDF: 1902683.9/40


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
105
110
115
120
125
130
135
140
145
Right In: -30.434+/-257.002 χ²/NDF: 21.9/15
Left Out: -542.481+/-390.228 χ²/NDF:5.6/3
Right Out: 551.948+/-238.640 χ²/NDF: 12.8/18
Left In: 545.114+/-520.818 χ²/NDF:2.2/1
Left: -151.441+/-312.294 χ²/NDF: 10.7/5
Right: 282.303+/-174.876 χ²/NDF: 37.4/34
In: 82.270+/-230.470 χ²/NDF:25.1/17
Out: 254.058+/-203.588 χ²/NDF:24.2/22
All: 178.762+/-152.582 χ²/NDF: 49.6/40



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 654.522+/-0.276 χ^2/NDF:98760.7/3

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 676.735+/-0.368 χ^2/NDF:60166.1/1

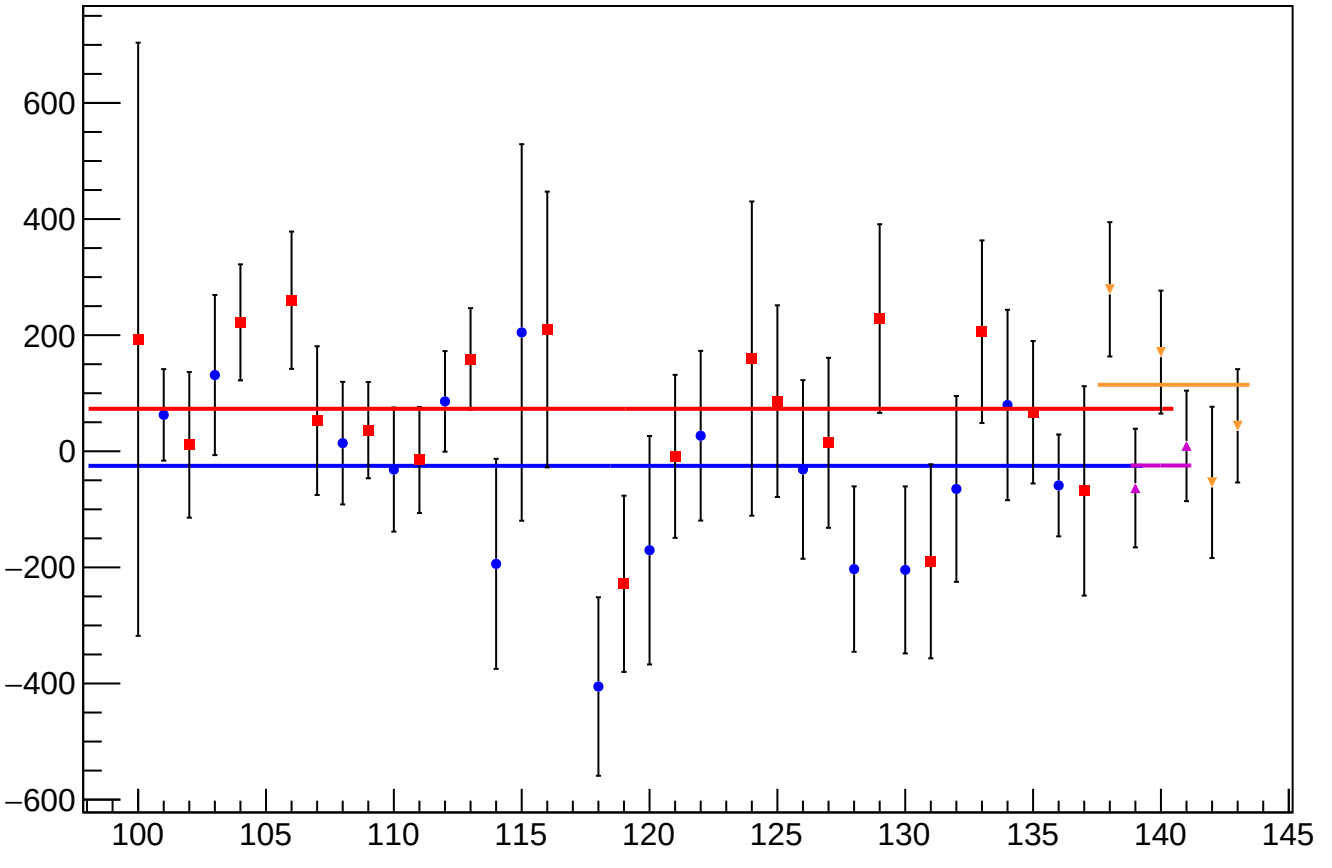
Left: 662.509+/-0.221 χ^2/NDF: 161256.8/5

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 648.406+/-0.163 χ^2/NDF:1942474.6/17

Out: 615.550+/-0.144 χ^2/NDF:2203401.5/22

All: 629.951+/-0.108 χ^2/NDF: 4168706.8/40



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 114.503+/-55.239 χ^2/NDF:4.5/3

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -24.489+/-69.657 χ^2/NDF:0.3/1

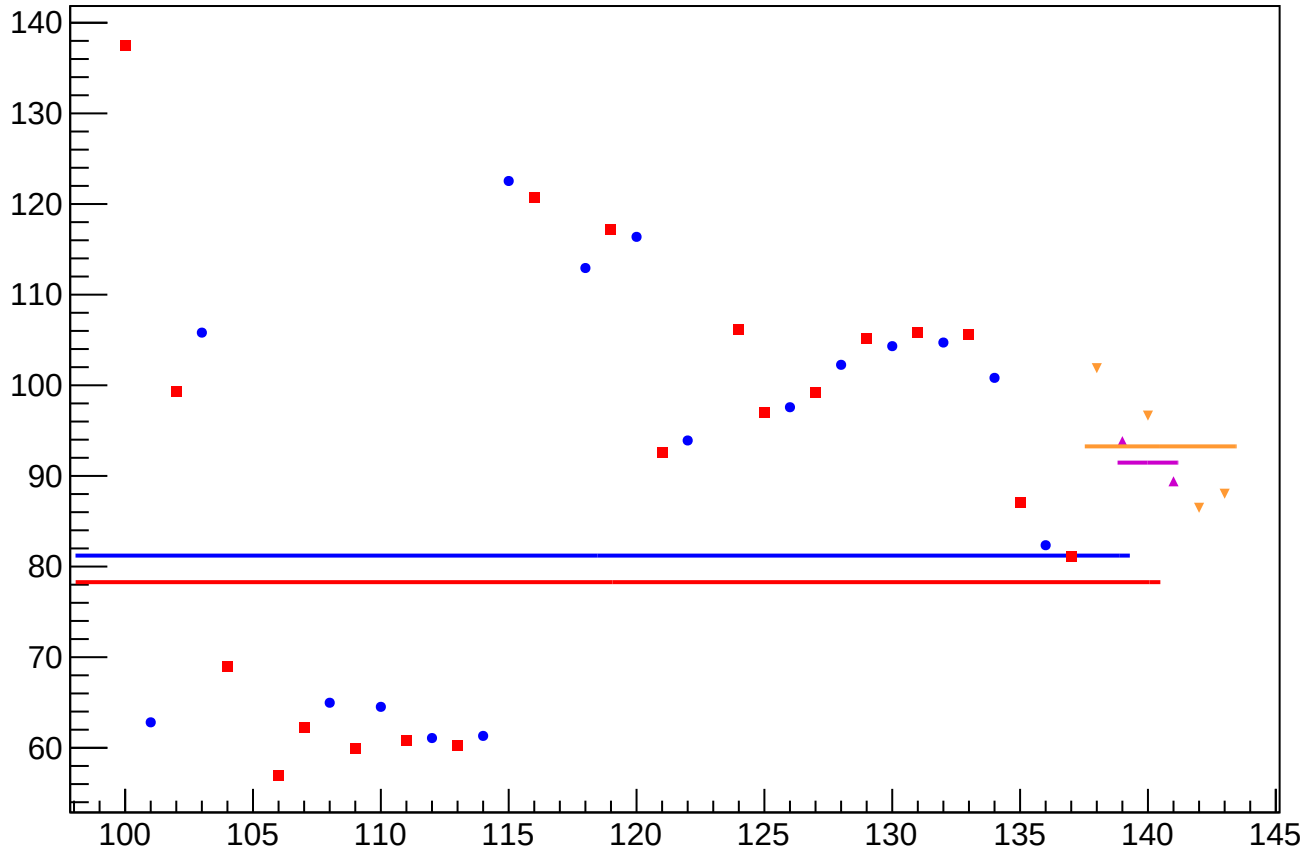
Left: 60.840+/-43.282 χ^2/NDF: 7.2/5

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -24.977+/-28.497 χ^2/NDF:16.5/17

Out: 82.571+/-26.320 χ^2/NDF:21.7/22

All: 33.061+/-19.335 χ^2/NDF: 45.8/40



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.259+/-0.039 χ^2/NDF:24313.3/3

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.467+/-0.049 χ^2/NDF:2013.3/1

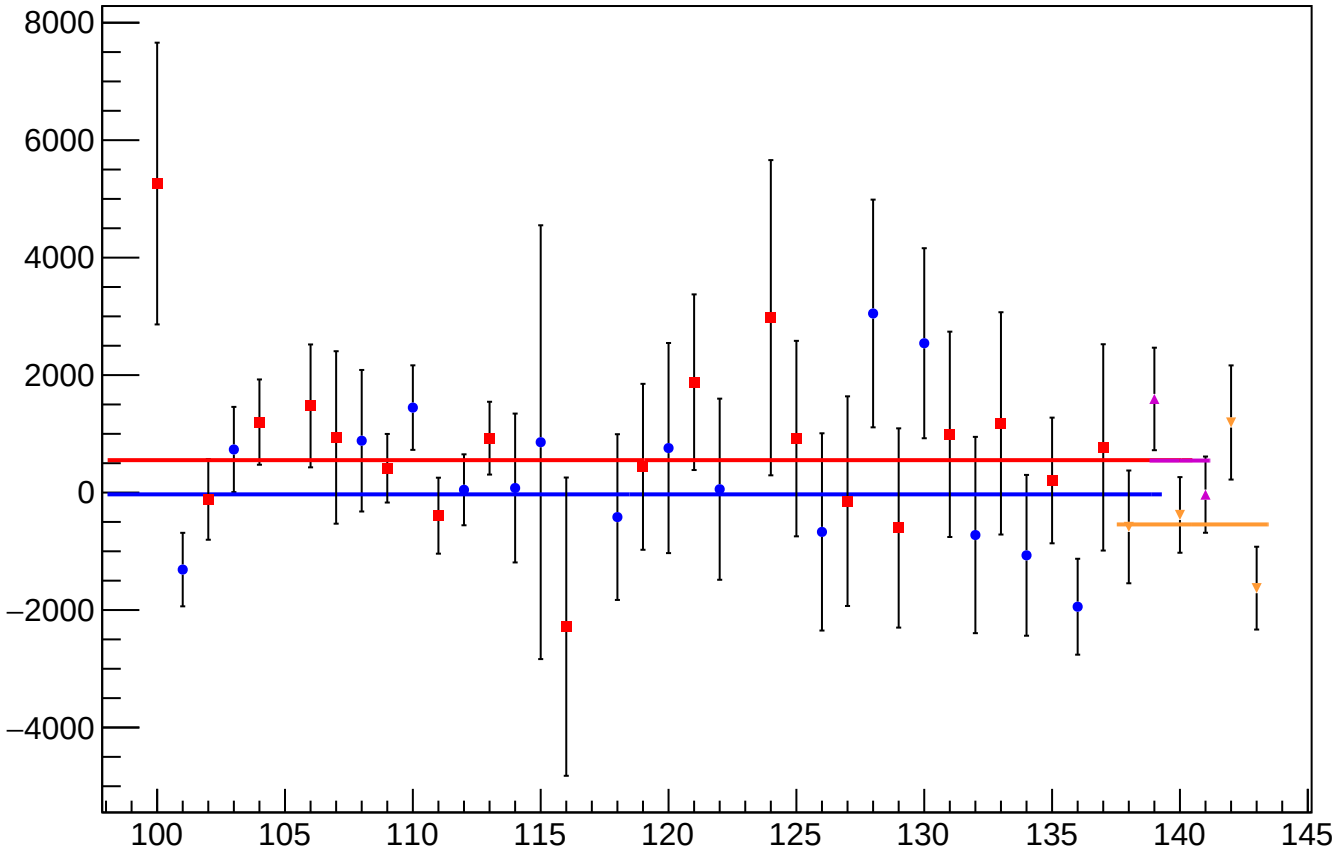
Left: 92.567+/-0.031 χ^2/NDF: 27138.9/5

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 82.926+/-0.020 χ^2/NDF:825806.2/17

Out: 81.680+/-0.019 χ^2/NDF:1074813.2/22

All: 82.254+/-0.014 χ^2/NDF: 1902683.9/40



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -542.481+/-390.228 χ^2/NDF:5.6/3

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: -151.441+/-312.294 χ^2/NDF: 10.7/5

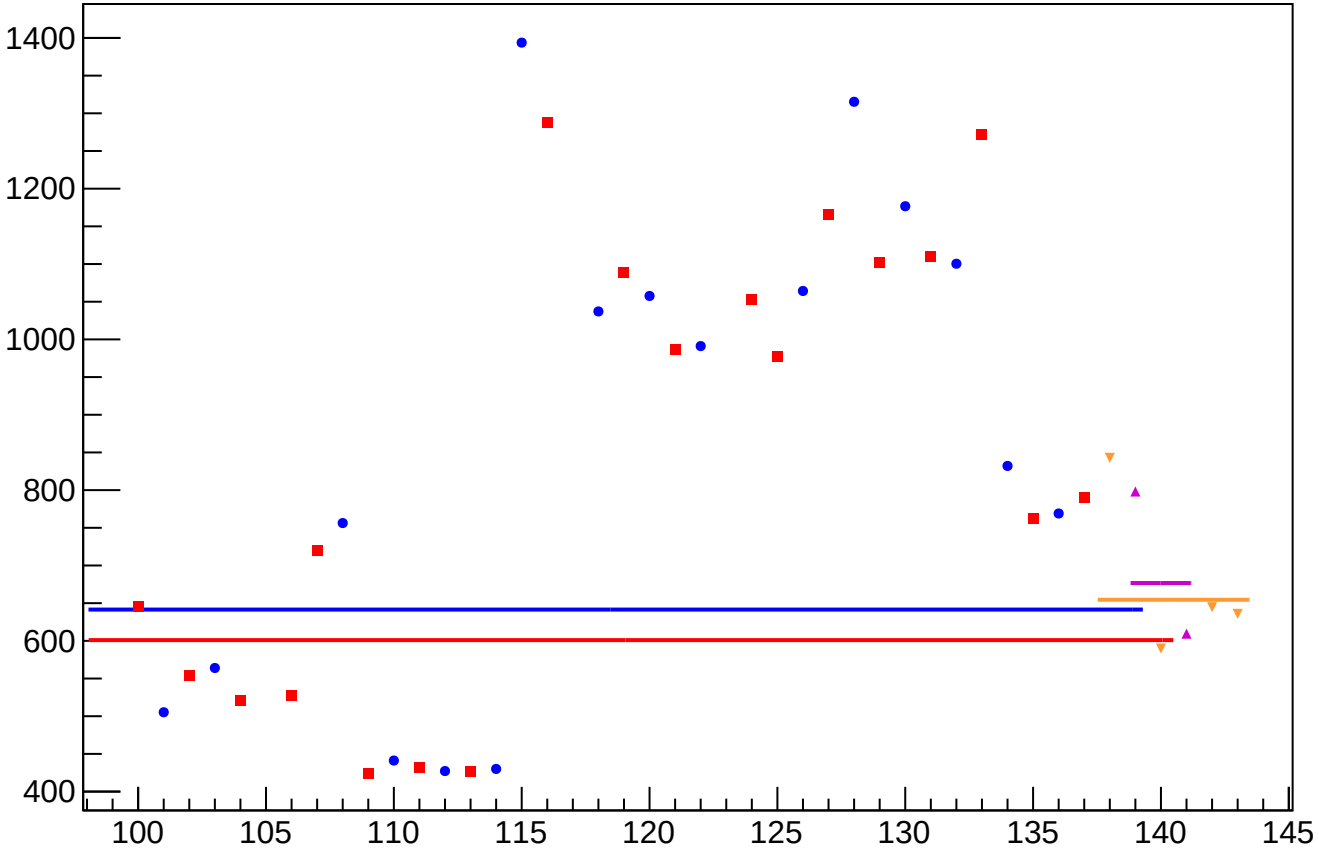
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 82.270+/-230.470 χ^2/NDF:25.1/17

Out: 254.058+/-203.588 χ^2/NDF:24.2/22

All: 178.762+/-152.582 χ^2/NDF: 49.6/40

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: 654.522+/-0.276 χ^2/NDF:98760.7/3

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 676.735+/-0.368 χ^2/NDF:60166.1/1

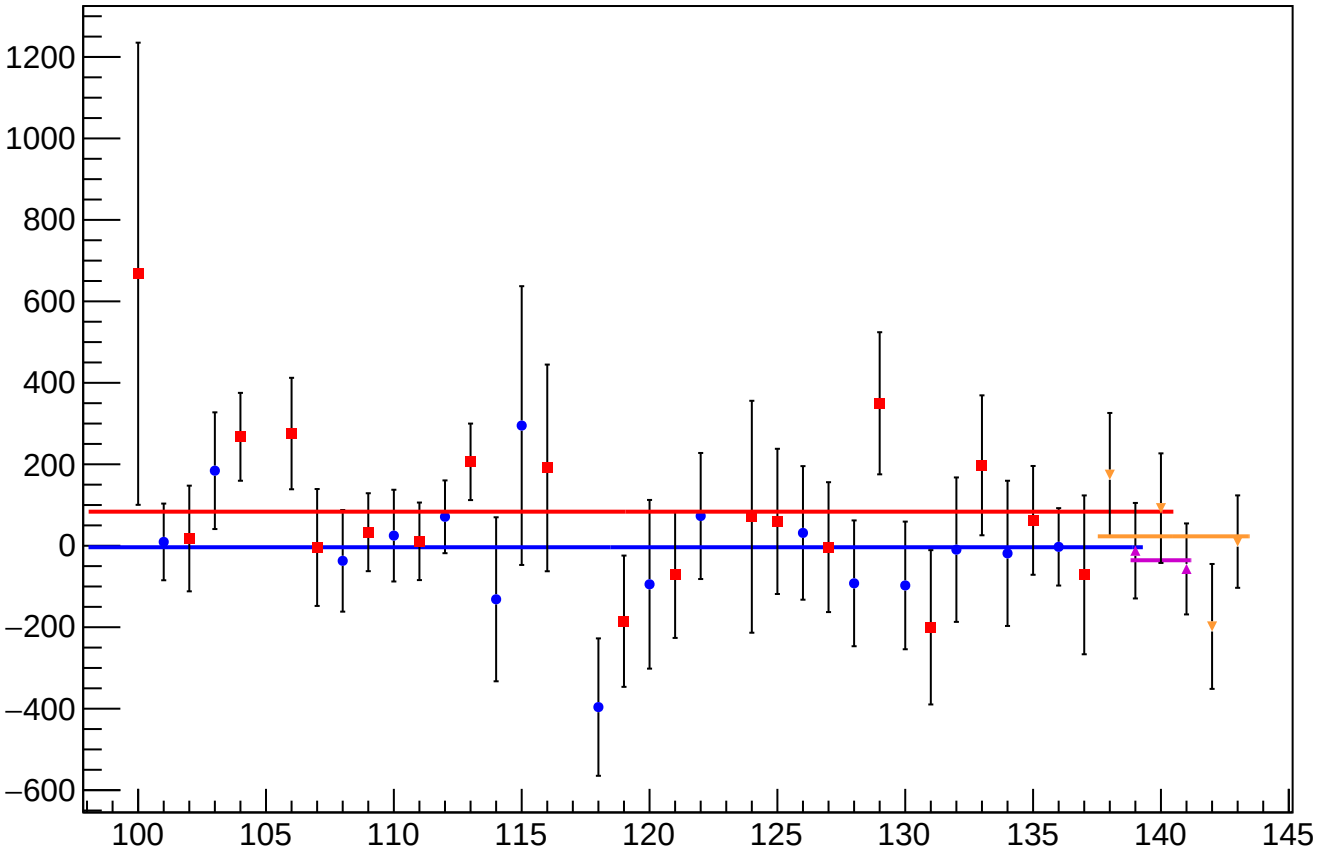
Left: 662.509+/-0.221 χ^2/NDF: 161256.8/5

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 648.406+/-0.163 χ^2/NDF:1942474.6/17

Out: 615.550+/-0.144 χ^2/NDF:2203401.5/22

All: 629.951+/-0.108 χ^2/NDF: 4168706.8/40



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.127+/-67.576 χ^2/NDF:3.4/3

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -35.594+/-80.873 χ^2/NDF:0.1/1

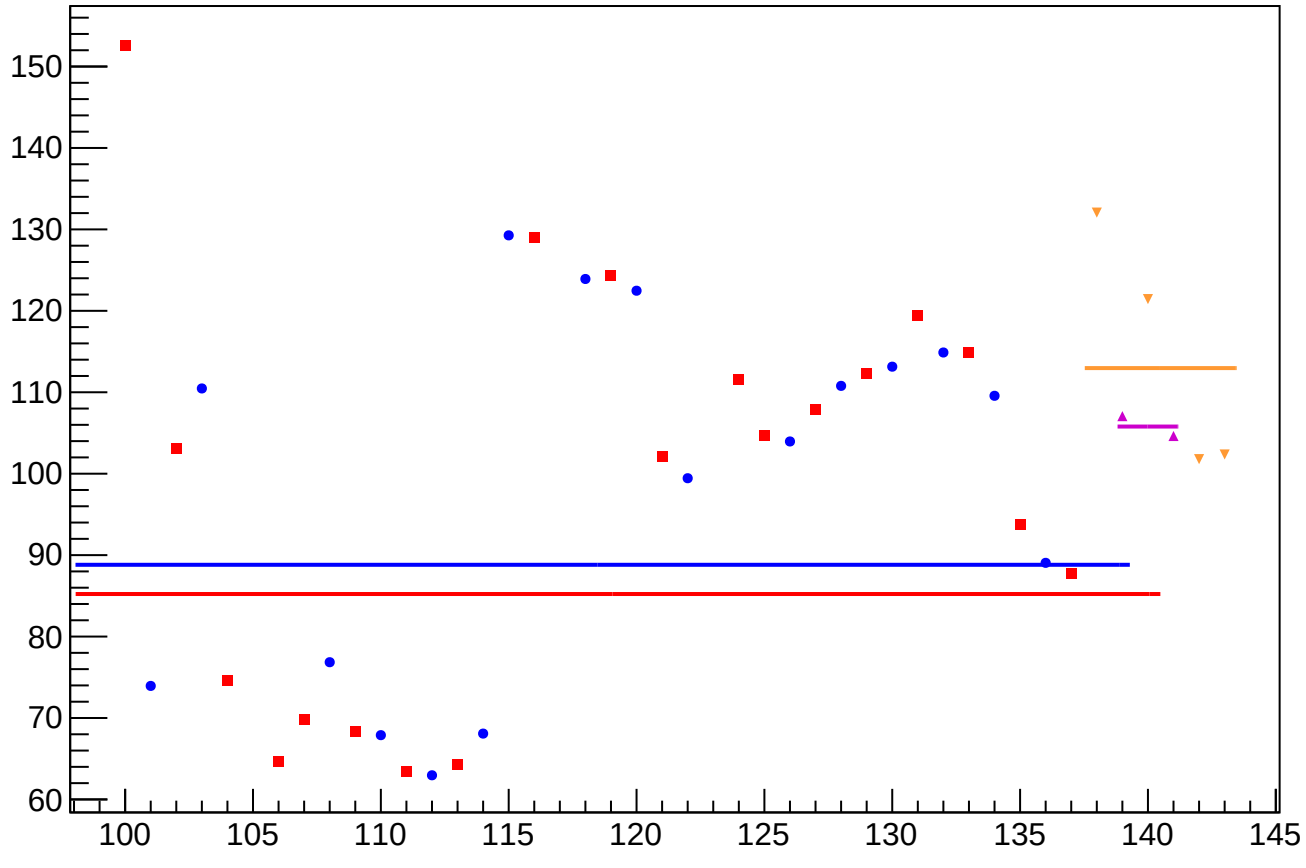
Left: -1.016+/-51.856 χ^2/NDF: 3.7/5

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -8.472+/-31.462 χ^2/NDF:10.5/17

Out: 72.227+/-29.386 χ^2/NDF:23.1/22

All: 34.628+/-21.475 χ^2/NDF: 37.1/40



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 112.968+/-0.048 χ^2/NDF:67781.6/3

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 105.790+/-0.057 χ^2/NDF:453.2/1

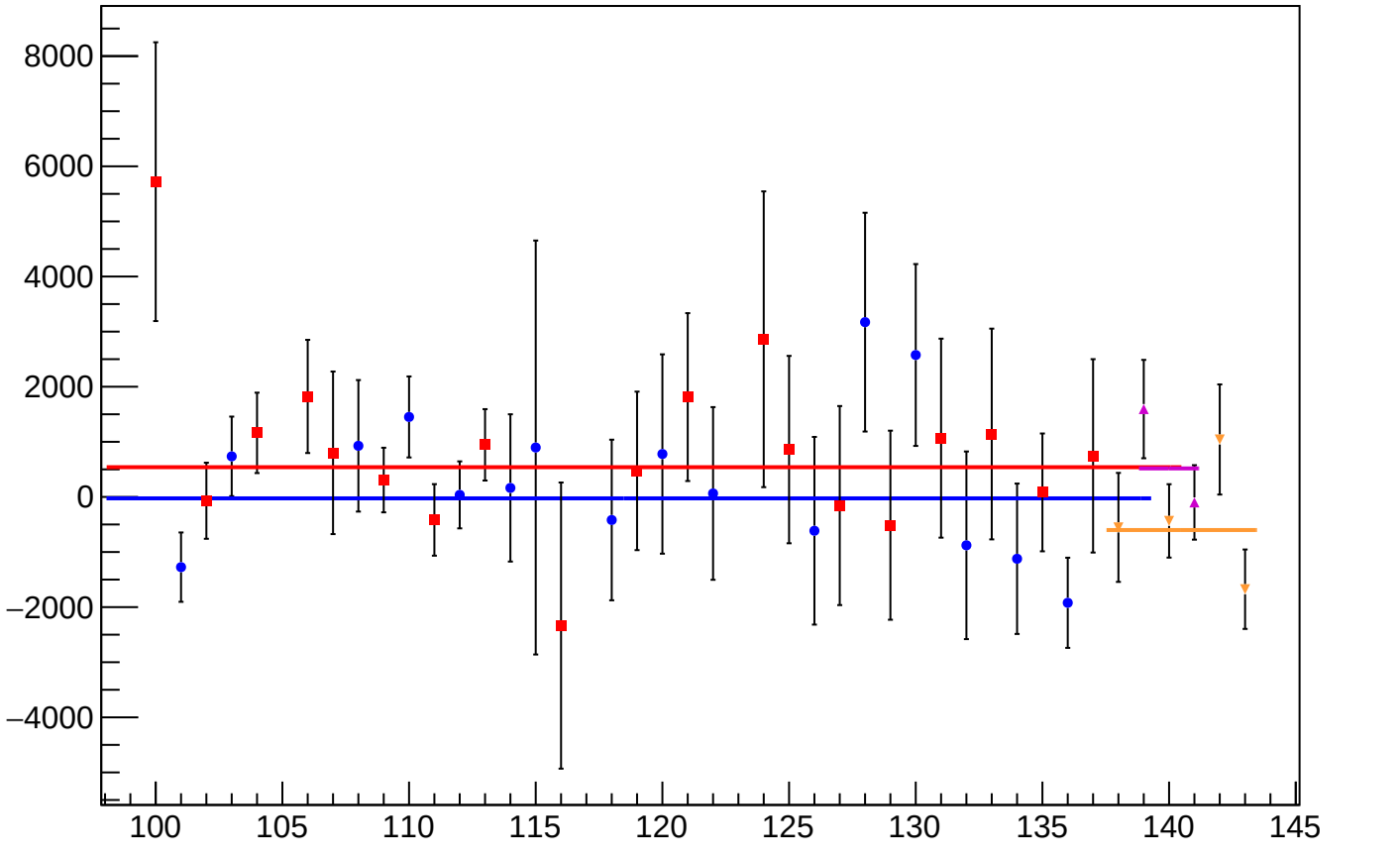
Left: 110.017+/-0.037 χ^2/NDF: 77513.3/5

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 91.383+/-0.022 χ^2/NDF:799854.6/17

Out: 90.471+/-0.021 χ^2/NDF:1225209.8/22

All: 90.896+/-0.015 χ^2/NDF: 2025961.6/40



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -600.755+/-401.462 χ^2/NDF:5.0/3

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 517.420+/-538.679 χ^2/NDF:2.3/1

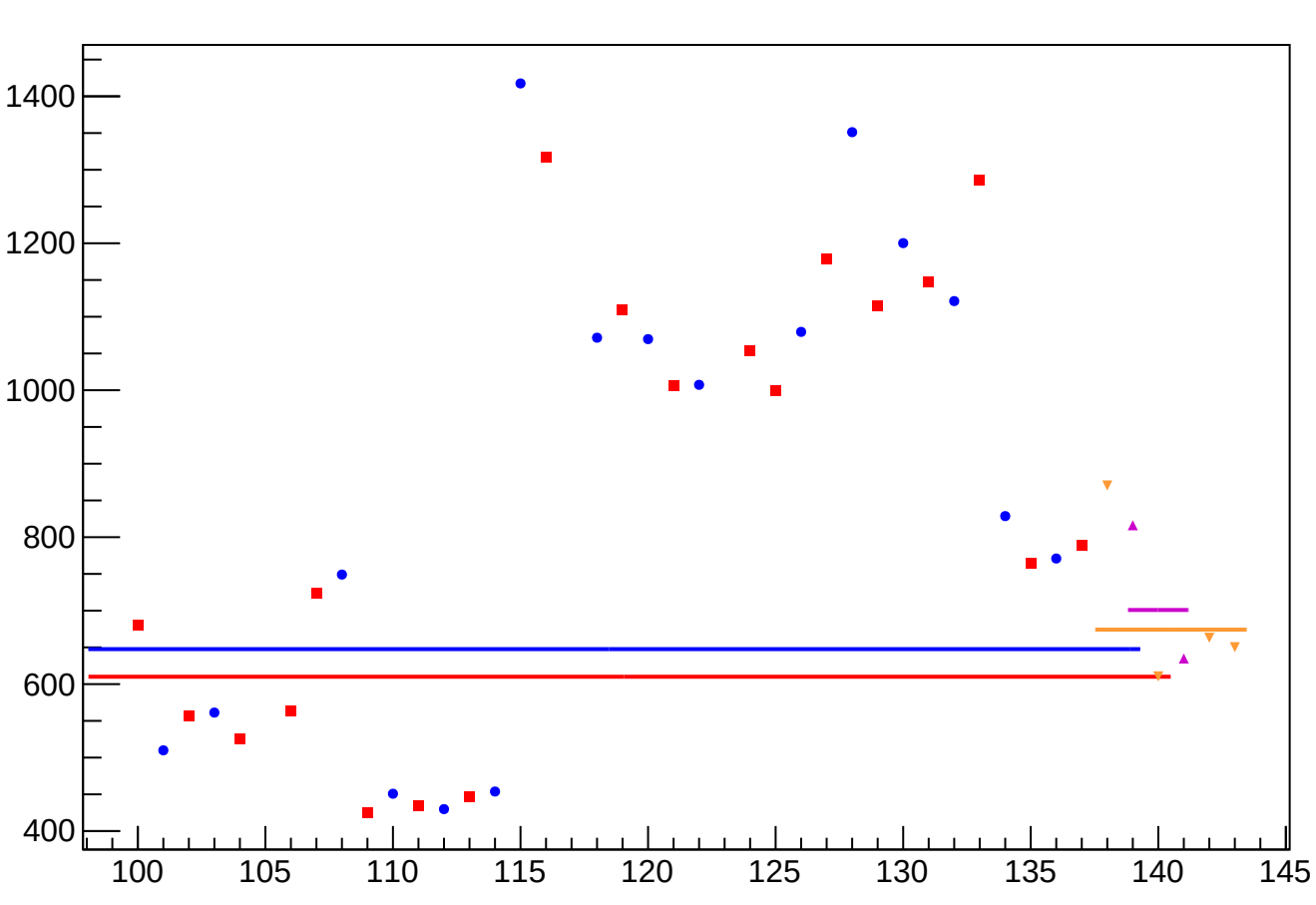
Left: -201.465+/-321.899 χ^2/NDF: 10.1/5

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 76.480+/-233.715 χ^2/NDF:24.7/17

Out: 237.101+/-206.778 χ^2/NDF:24.6/22

All: 166.576+/-154.866 χ^2/NDF: 49.5/40



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 674.156+/-0.284 χ^2/NDF:99409.3/3

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 700.913+/-0.381 χ^2/NDF:52503.9/1

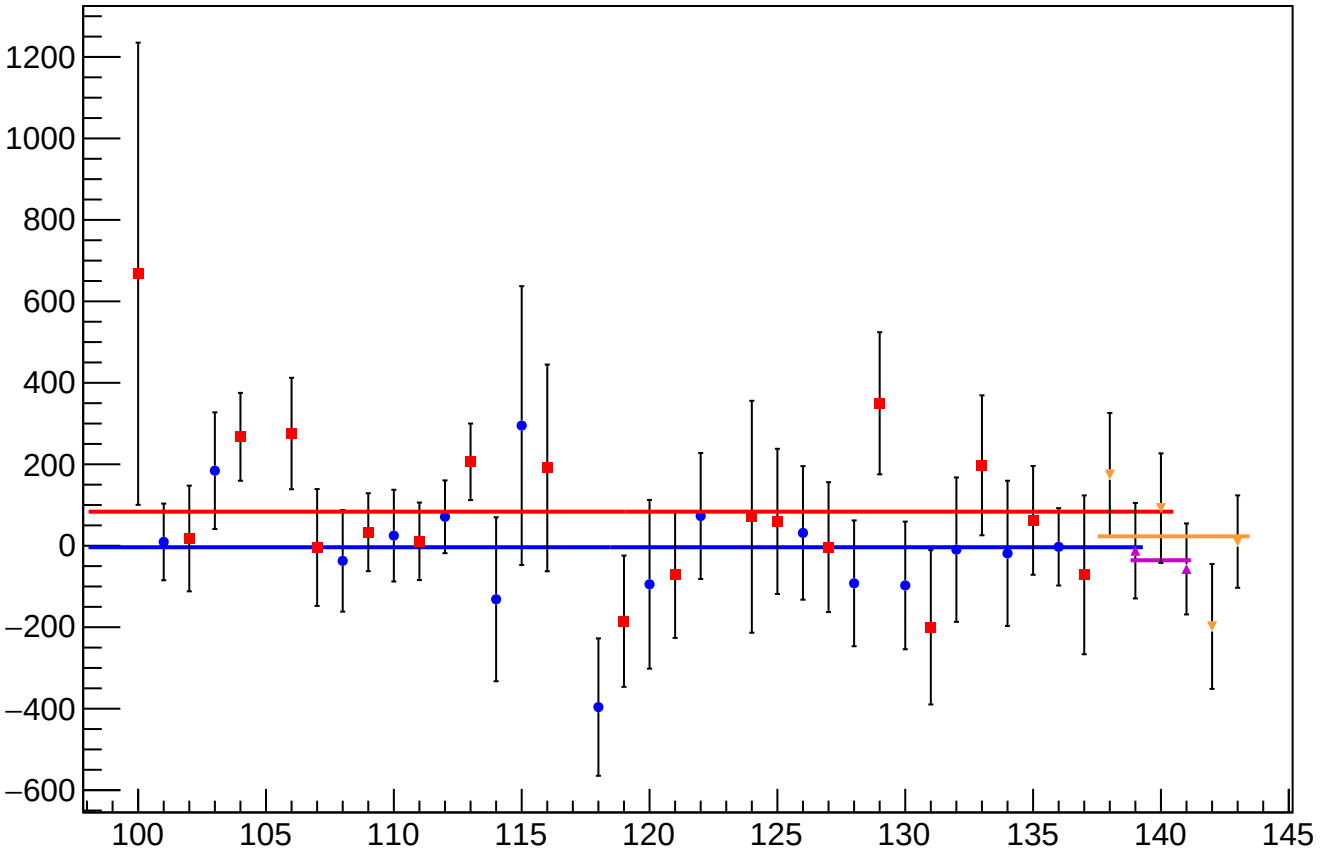
Left: 683.711+/-0.228 χ^2/NDF: 155085.5/5

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 657.669+/-0.165 χ^2/NDF:1956197.8/17

Out: 627.064+/-0.146 χ^2/NDF:2211112.8/22

All: 640.502+/-0.110 χ^2/NDF: 4186546.8/40



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.128+/-67.577 χ^2/NDF:3.4/3

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: -35.594+/-80.873 χ^2/NDF:0.1/1

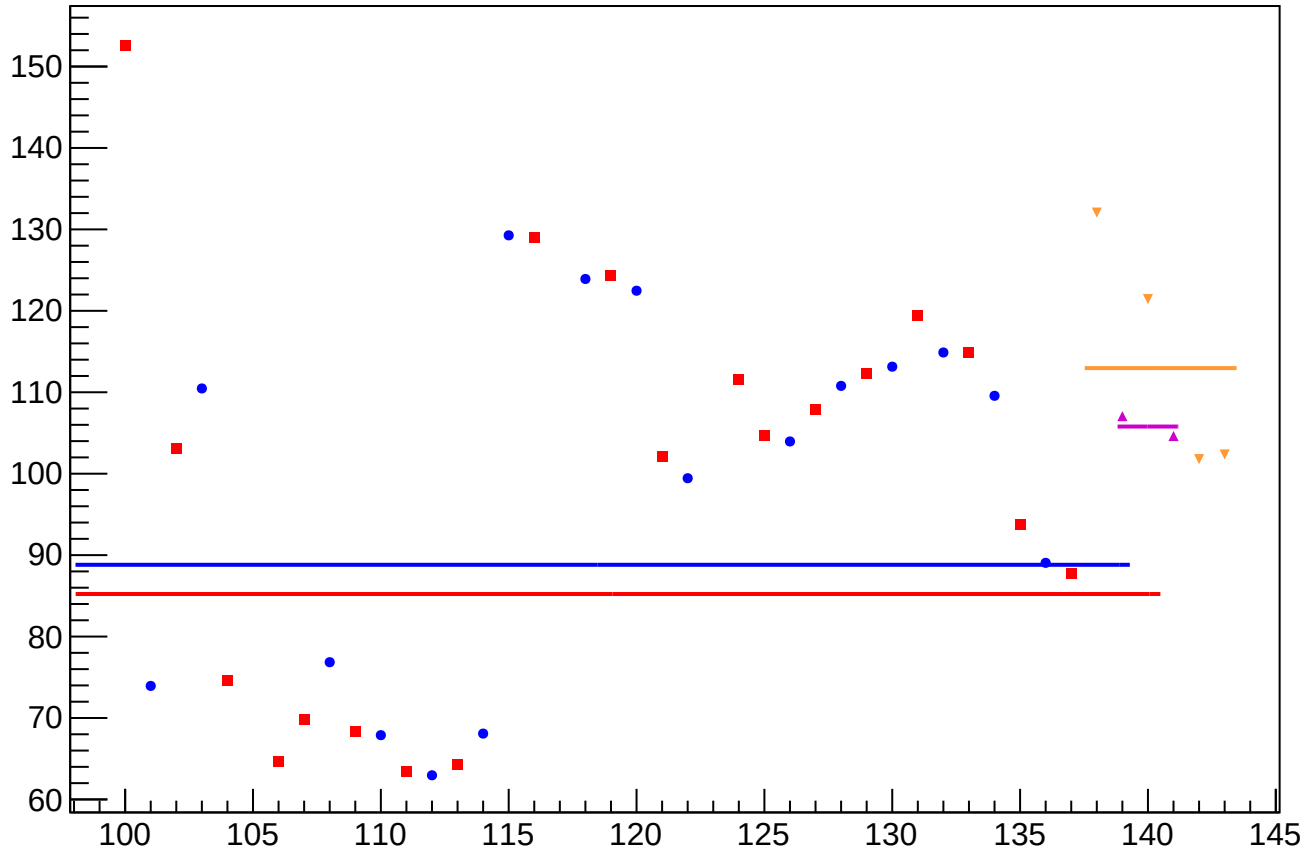
Left: -1.015+/-51.856 χ^2/NDF: 3.7/5

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: -8.470+/-31.462 χ^2/NDF:10.5/17

Out: 72.227+/-29.386 χ^2/NDF:23.1/22

All: 34.628+/-21.475 χ^2/NDF: 37.1/40



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 112.968+/-0.048 χ^2/NDF:67781.1/3

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 105.790+/-0.057 χ^2/NDF:453.1/1

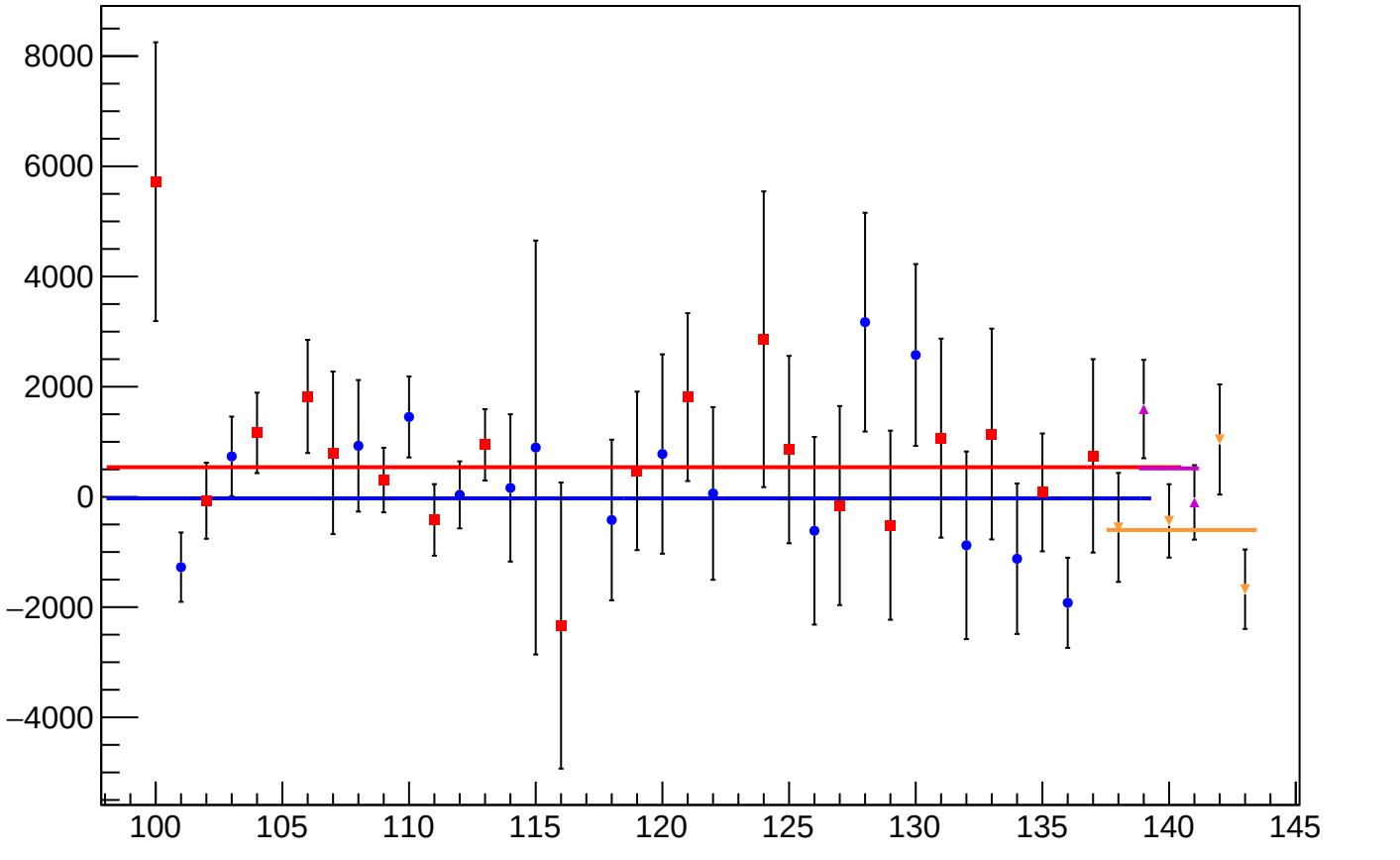
Left: 110.017+/-0.037 χ^2/NDF: 77512.7/5

Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 91.383+/-0.022 χ^2/NDF:799856.0/17

Out: 90.471+/-0.021 χ^2/NDF:1225215.5/22

All: 90.896+/-0.015 χ^2/NDF: 2025968.7/40



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -600.755+/-401.461 χ^2/NDF:5.0/3

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: -201.465+/-321.898 χ^2/NDF: 10.1/5

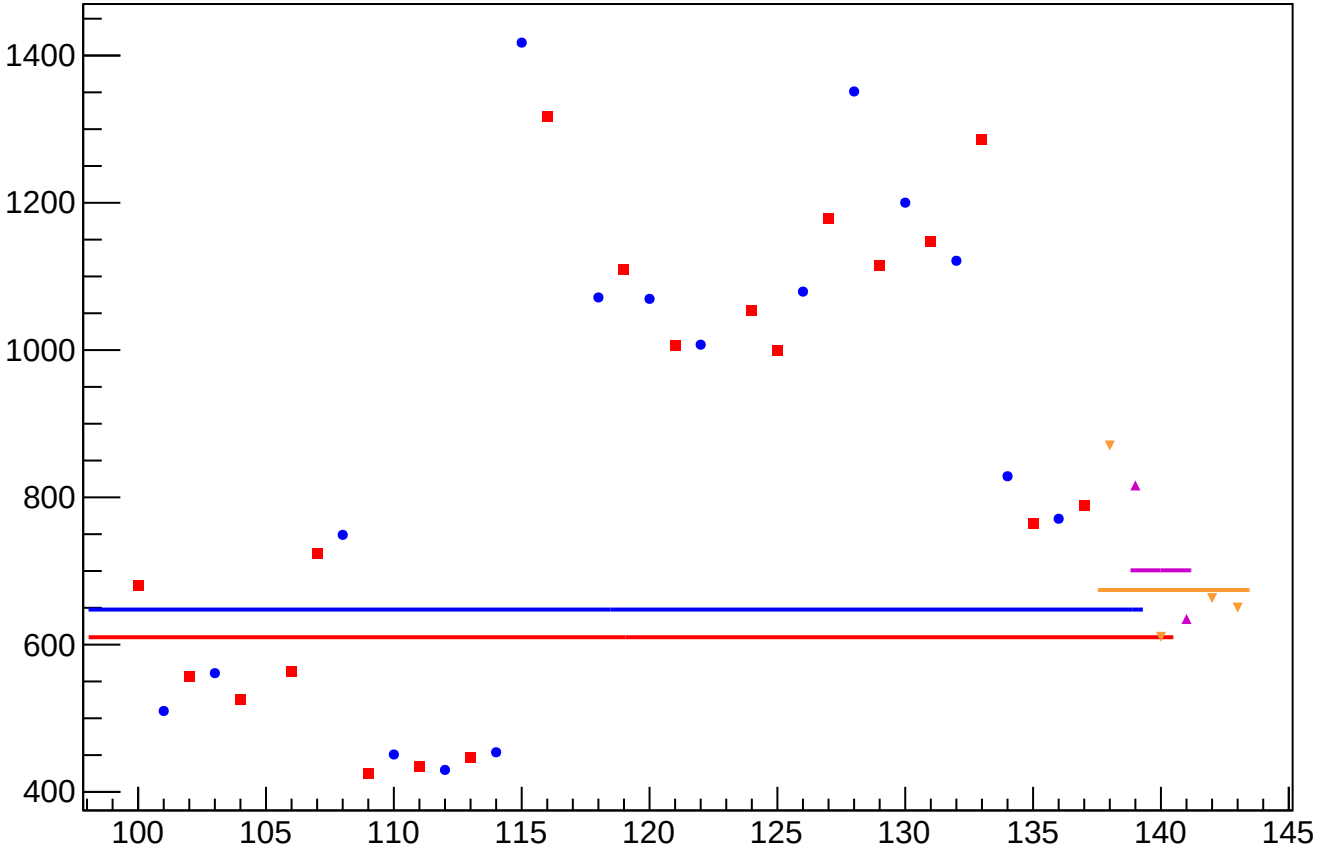
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 76.480+/-233.714 χ^2/NDF:24.7/17

Out: 237.101+/-206.778 χ^2/NDF:24.6/22

All: 166.576+/-154.866 χ^2/NDF: 49.5/40

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: 674.156+/-0.284 χ^2/NDF:99409.1/3

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: 683.710+/-0.228 χ^2/NDF: 155085.5/5

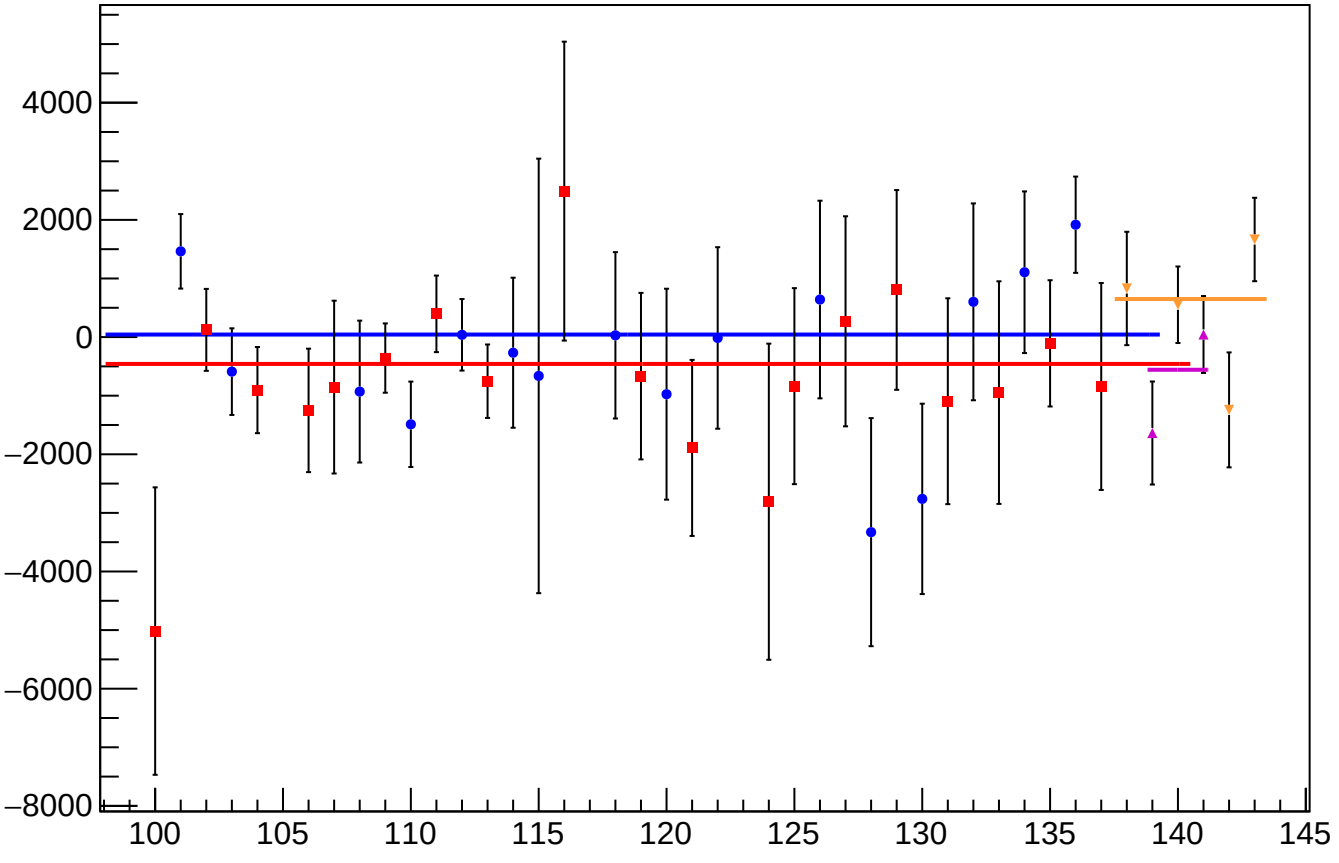
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 657.668+/-0.165 χ^2/NDF:1956202.9/17

Out: 627.064+/-0.146 χ^2/NDF:2211116.0/22

All: 640.501+/-0.110 χ^2/NDF: 4186555.0/40

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 649.528+/-394.412 χ^2/NDF:5.8/3

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: 214.886+/-315.506 χ^2/NDF: 11.5/5

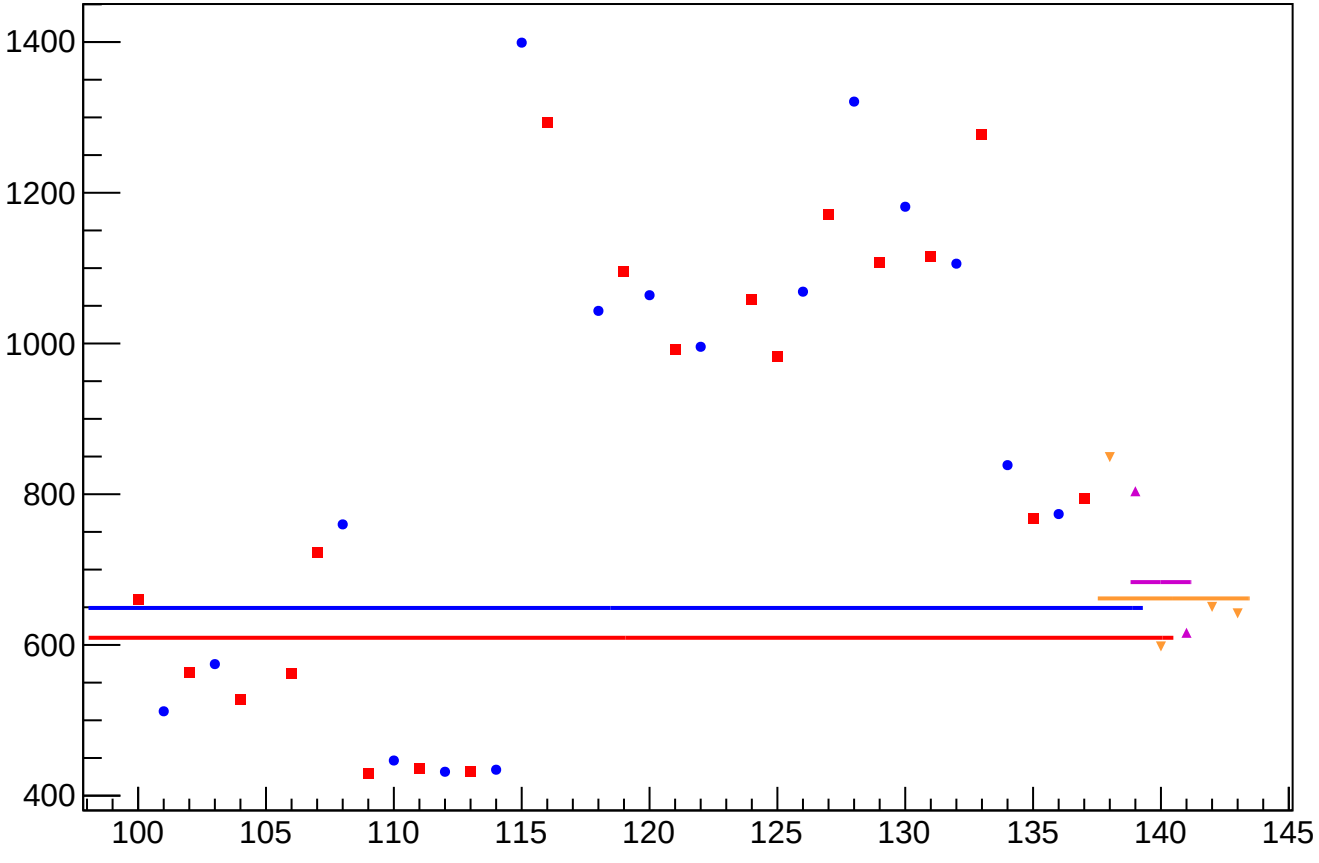
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -74.719+/-232.914 χ^2/NDF:26.6/17

Out: -156.773+/-205.721 χ^2/NDF:22.8/22

All: -120.814+/-154.189 χ^2/NDF: 49.5/40

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 661.726+/-0.279 χ^2/NDF:96017.3/3

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 683.385+/-0.372 χ^2/NDF:58636.1/1

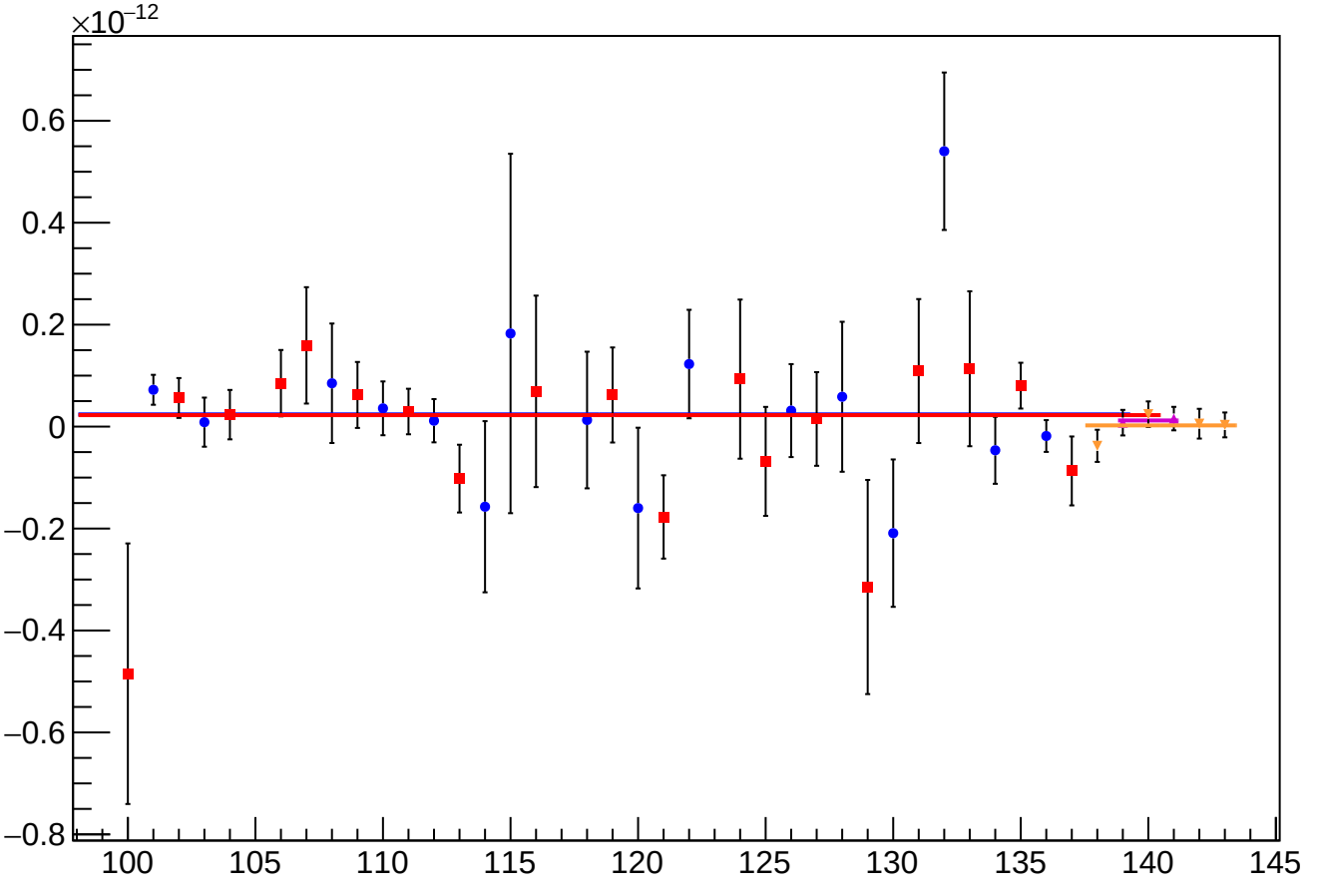
Left: 669.526+/-0.223 χ^2/NDF: 156825.2/5

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 655.821+/-0.165 χ^2/NDF:1911290.9/17

Out: 623.720+/-0.145 χ^2/NDF:2165119.8/22

All: 637.788+/-0.109 χ^2/NDF: 4097751.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

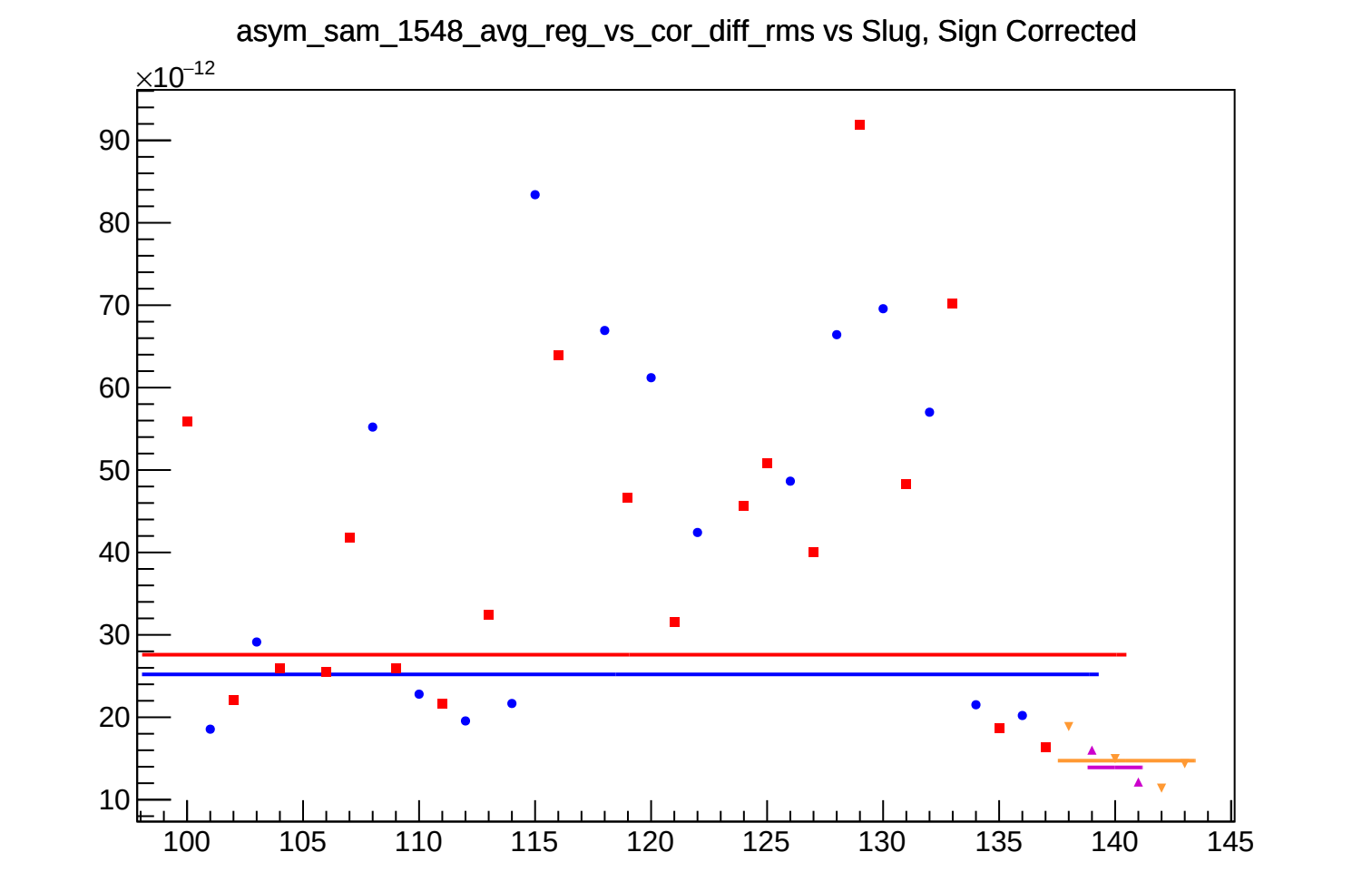
Left: 0.000+/-0.000 χ^2/NDF: 2.7/5

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:29.0/22

All: 0.000+/-0.000 χ^2/NDF: 53.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:61164.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25841.3/1

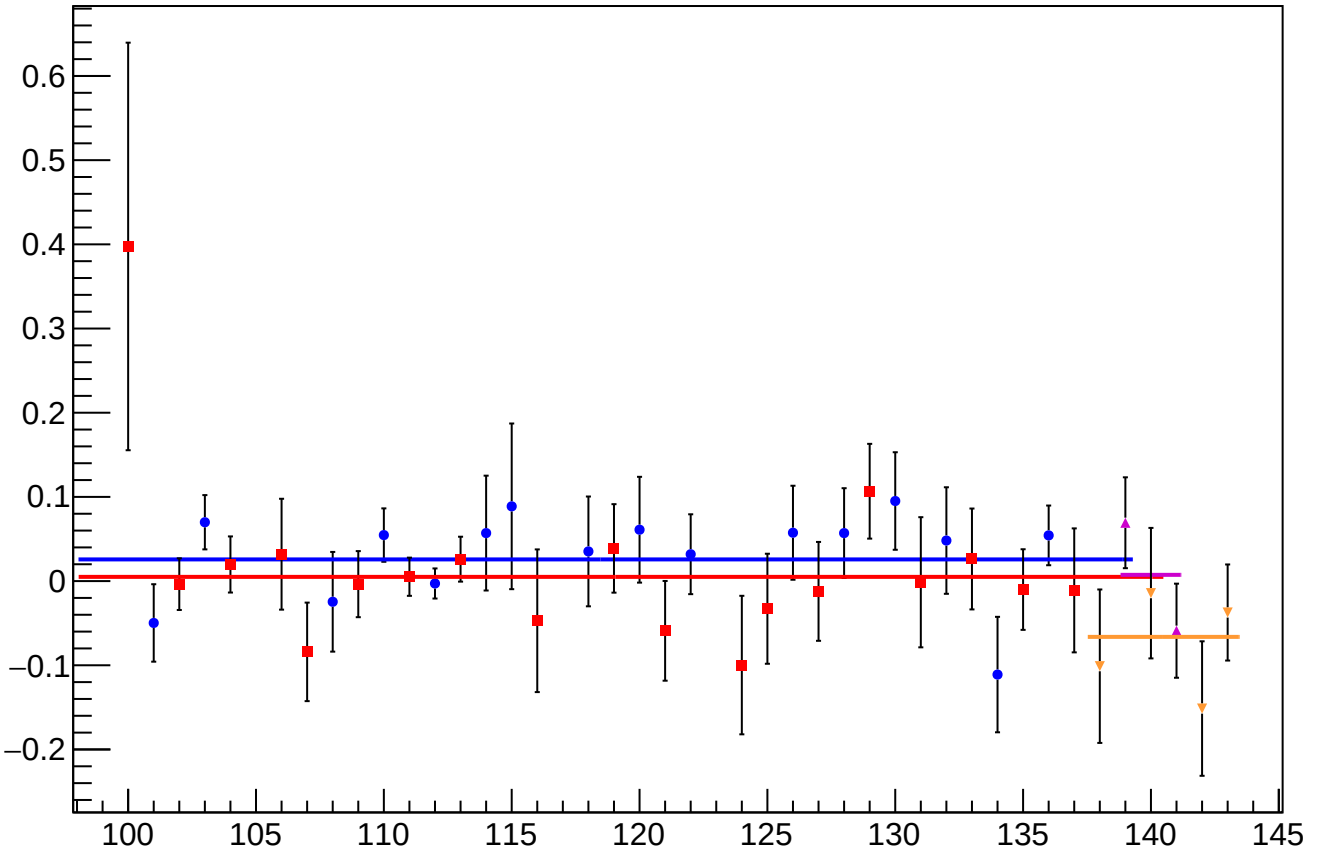
Left: 0.000+/-0.000 χ^2/NDF: 89846.1/5

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:1783025.1/22

All: 0.000+/-0.000 χ^2/NDF: 3612046.5/40



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

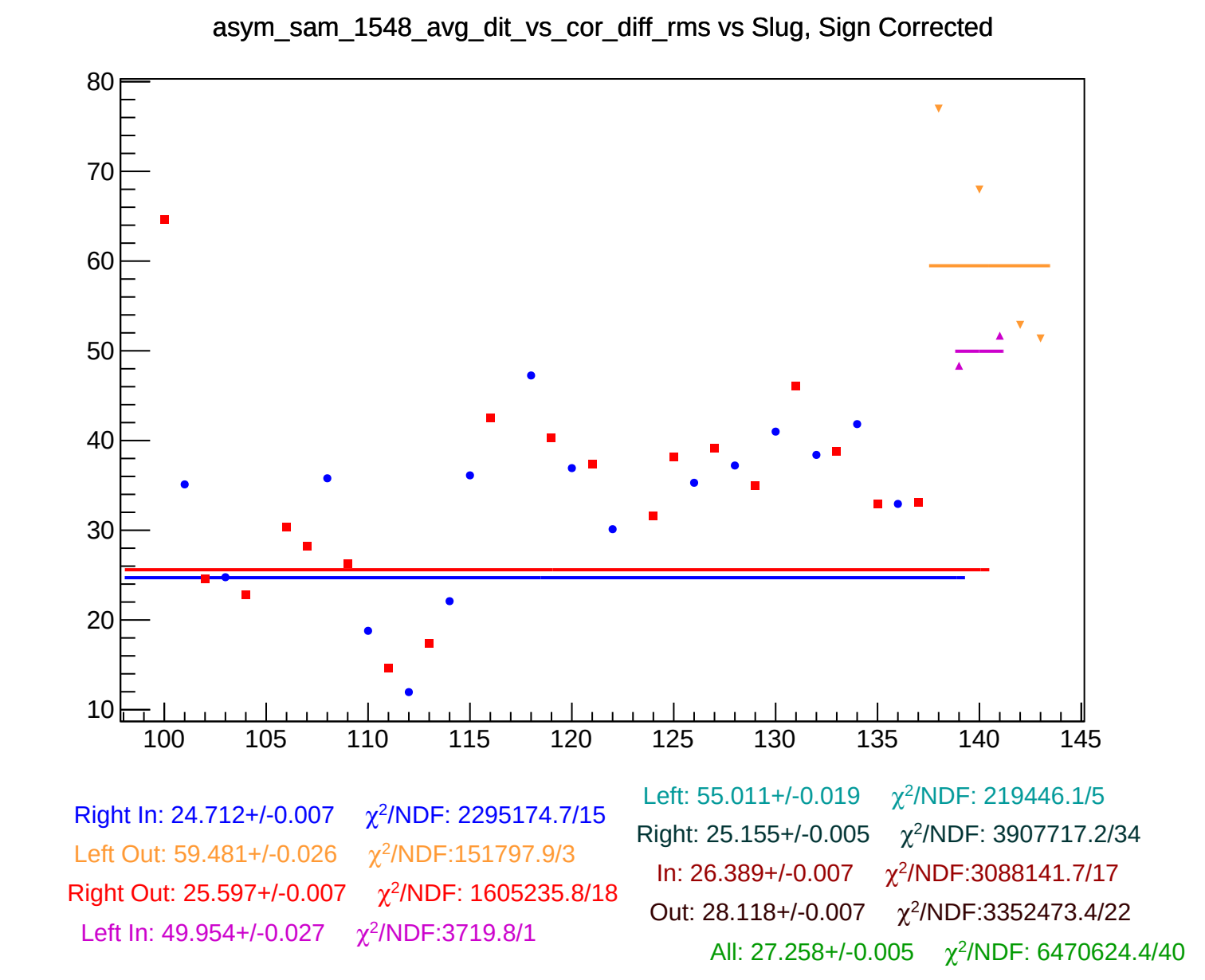
Left: -0.032+/-0.027 χ^2/NDF: 6.6/5

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.7/40


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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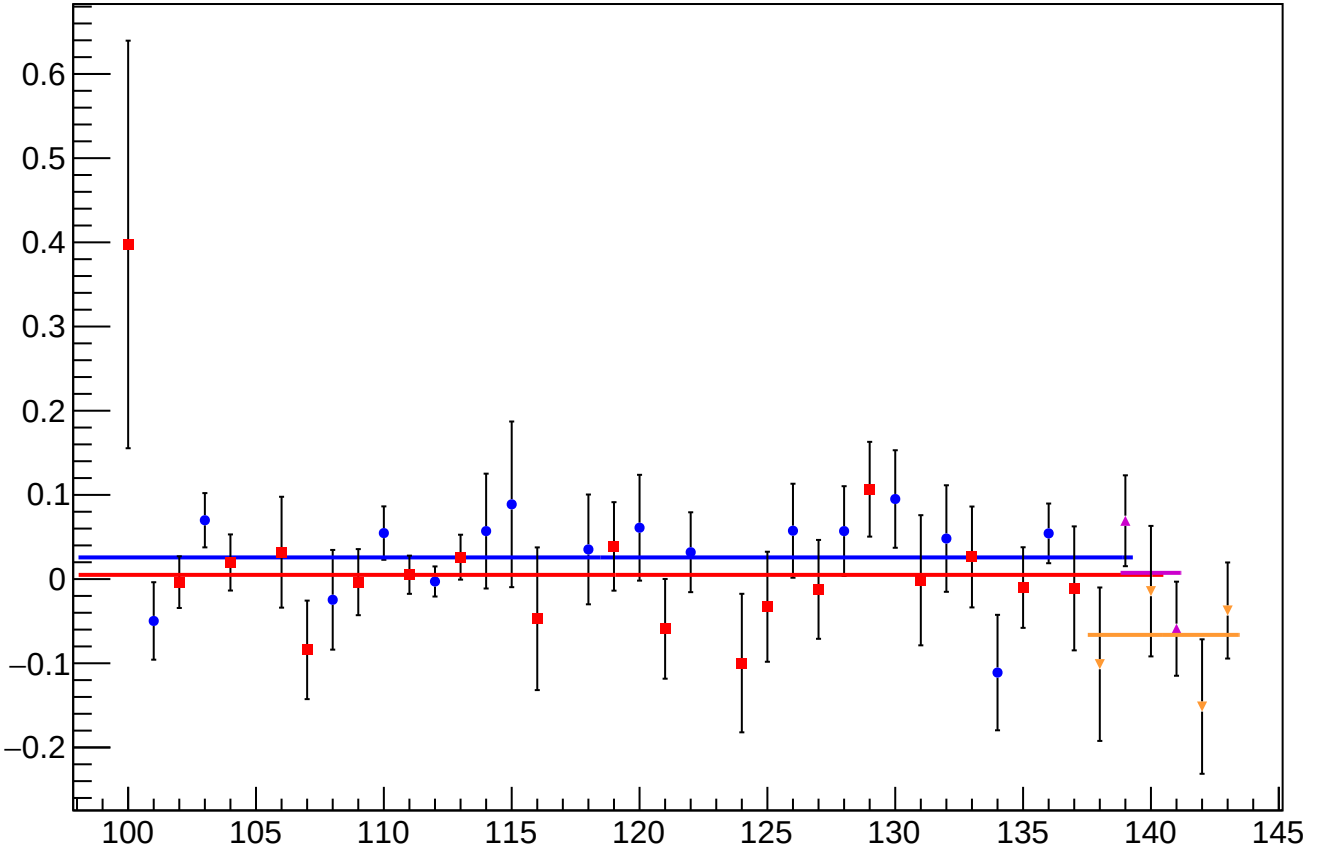
Right In: 24.712+/-0.007 χ2/NDF: 2295174.7/15
Left Out: 59.481+/-0.026 χ2/NDF:151797.9/3
Right Out: 25.597+/-0.007 χ2/NDF: 1605235.8/18
Left In: 49.954+/-0.027 χ2/NDF:3719.8/1
Left: 55.011+/-0.019 χ2/NDF: 219446.1/5
Right: 25.155+/-0.005 χ2/NDF: 3907717.2/34
In: 26.389+/-0.007 χ2/NDF:3088141.7/17
Out: 28.118+/-0.007 χ2/NDF:3352473.4/22
All: 27.258+/-0.005 χ2/NDF: 6470624.4/40

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

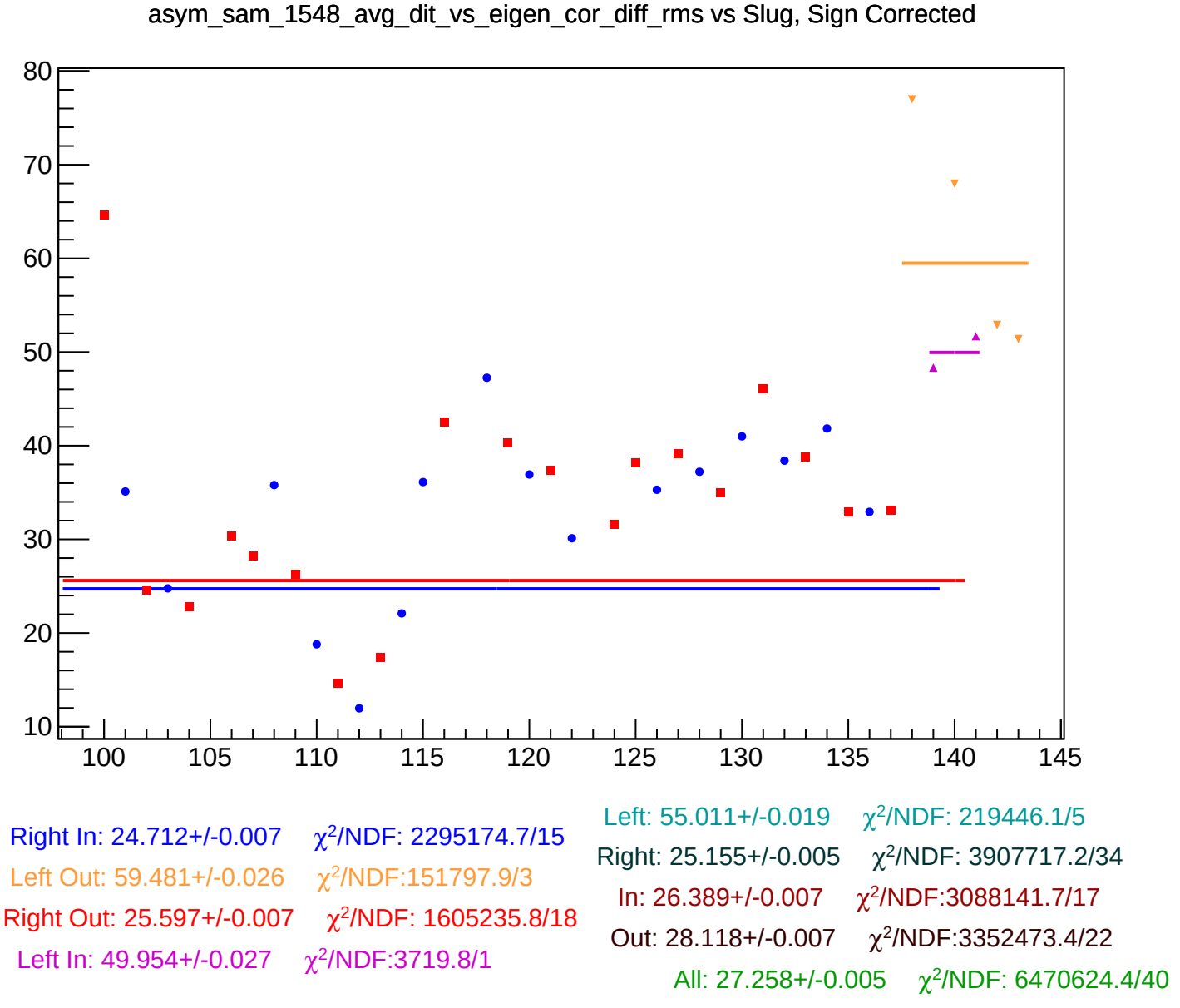
Left: -0.032+/-0.027 χ^2/NDF: 6.6/5

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.7/40


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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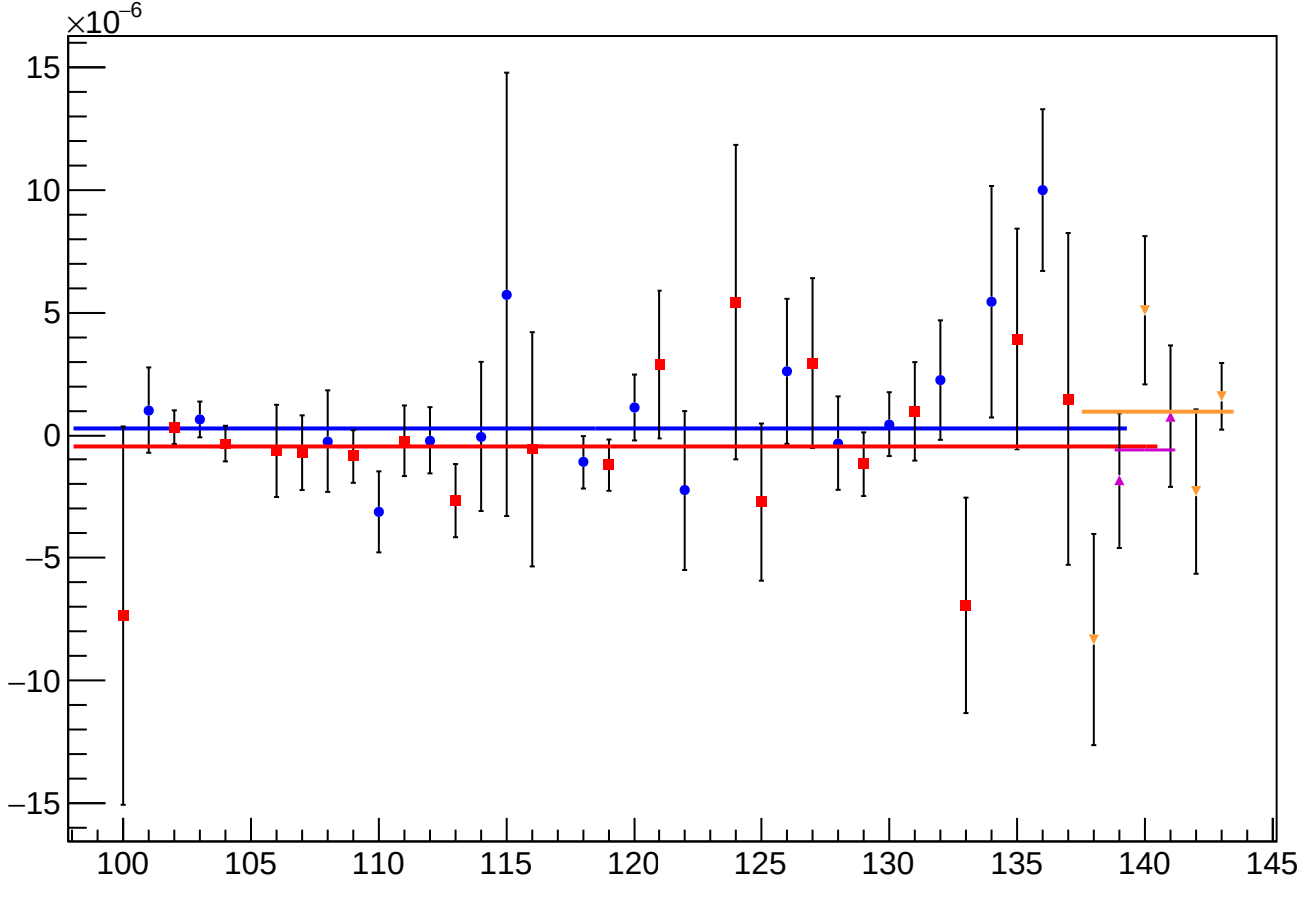
Right In: 24.712+/-0.007 χ2/NDF: 2295174.7/15
Left Out: 59.481+/-0.026 χ2/NDF:151797.9/3
Right Out: 25.597+/-0.007 χ2/NDF: 1605235.8/18
Left In: 49.954+/-0.027 χ2/NDF:3719.8/1
Left: 55.011+/-0.019 χ2/NDF: 219446.1/5
Right: 25.155+/-0.005 χ2/NDF: 3907717.2/34
In: 26.389+/-0.007 χ2/NDF:3088141.7/17
Out: 28.118+/-0.007 χ2/NDF:3352473.4/22
All: 27.258+/-0.005 χ2/NDF: 6470624.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/1

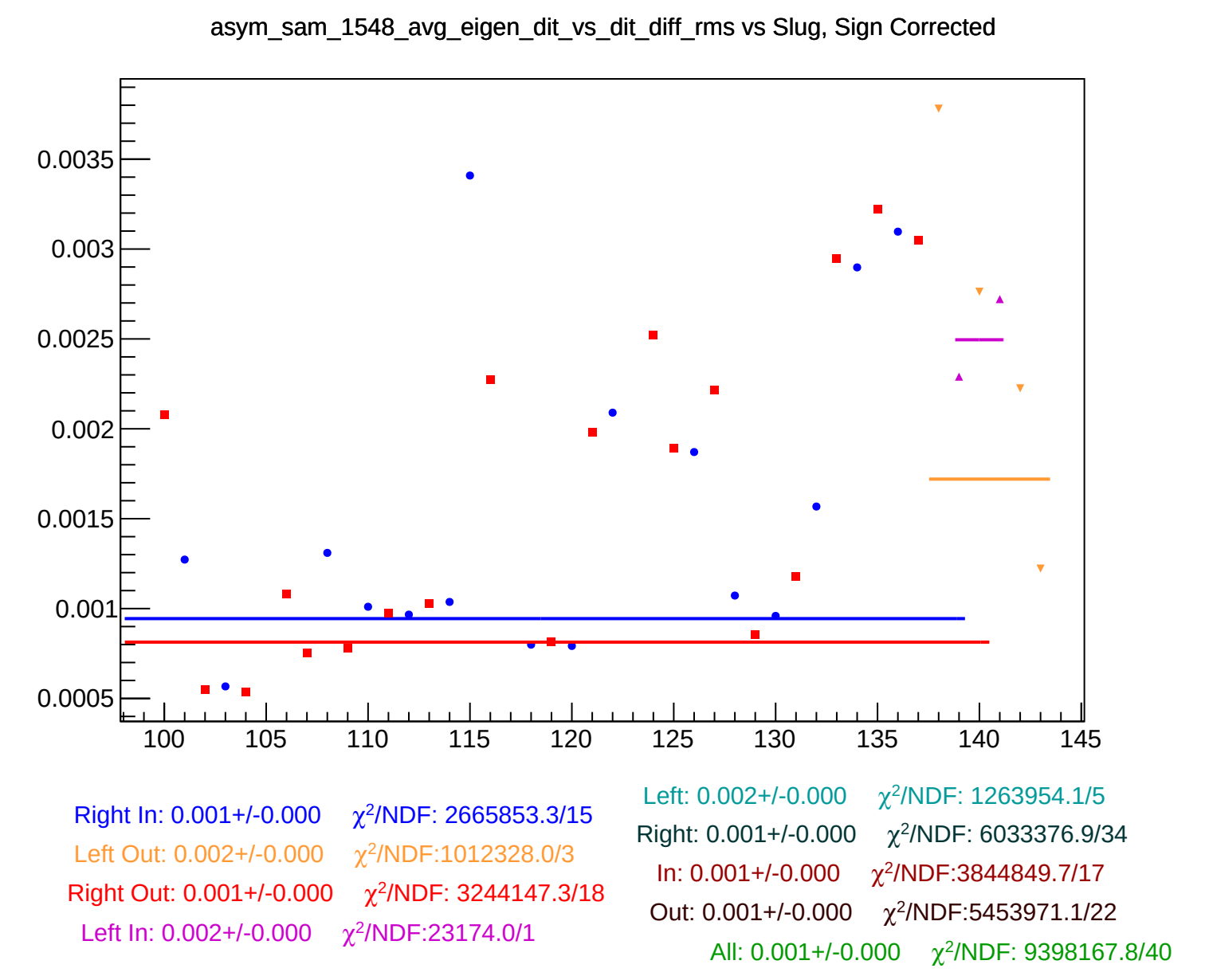
Left: 0.000+/-0.000 χ^2/NDF: 8.6/5

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:21.9/22

All: -0.000+/-0.000 χ^2/NDF: 43.1/40


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
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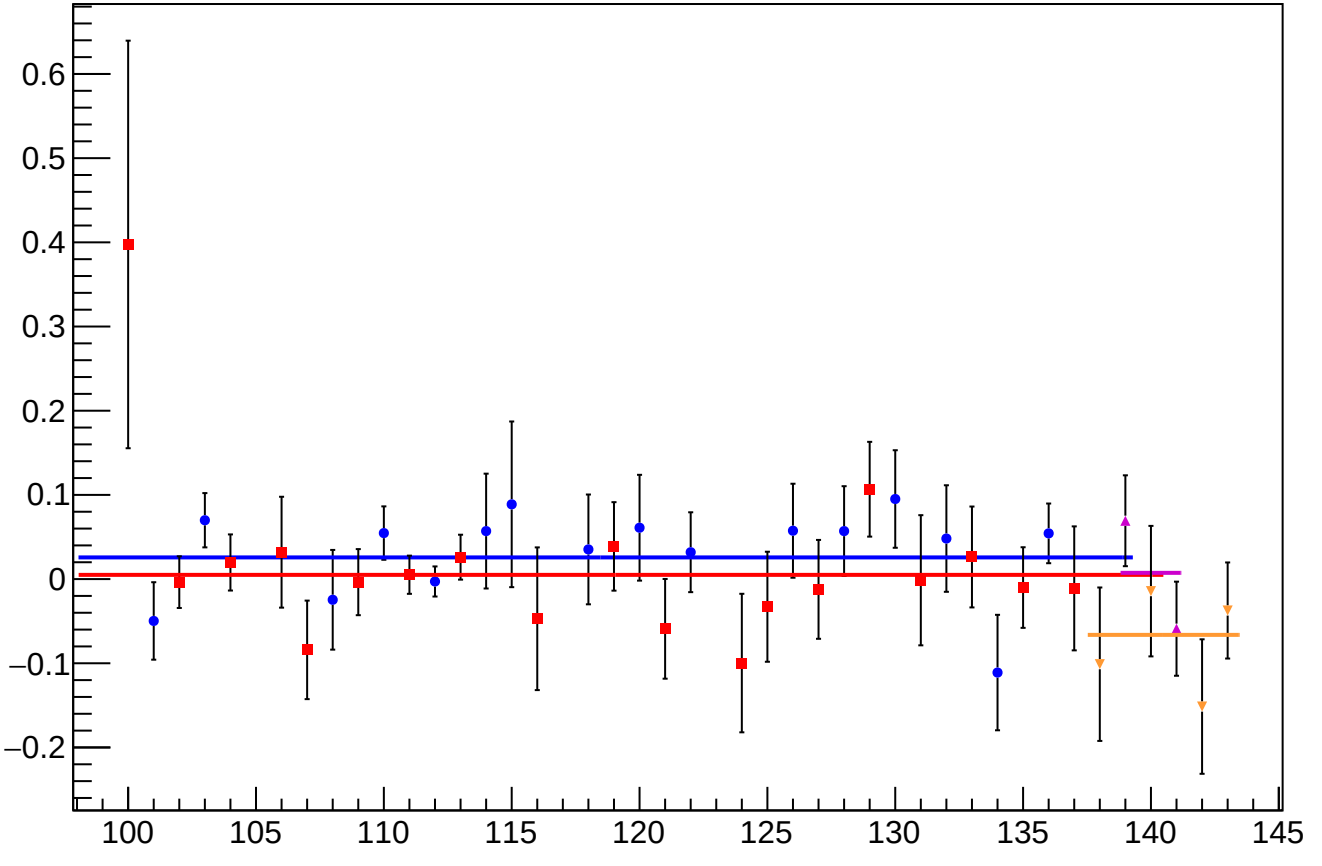
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1012328.0/3
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:23174.0/1
Left: 0.002+/-0.000 χ²/NDF: 1263954.1/5
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:3844849.7/17
Out: 0.001+/-0.000 χ²/NDF:5453971.1/22
All: 0.001+/-0.000 χ²/NDF: 9398167.8/40

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: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

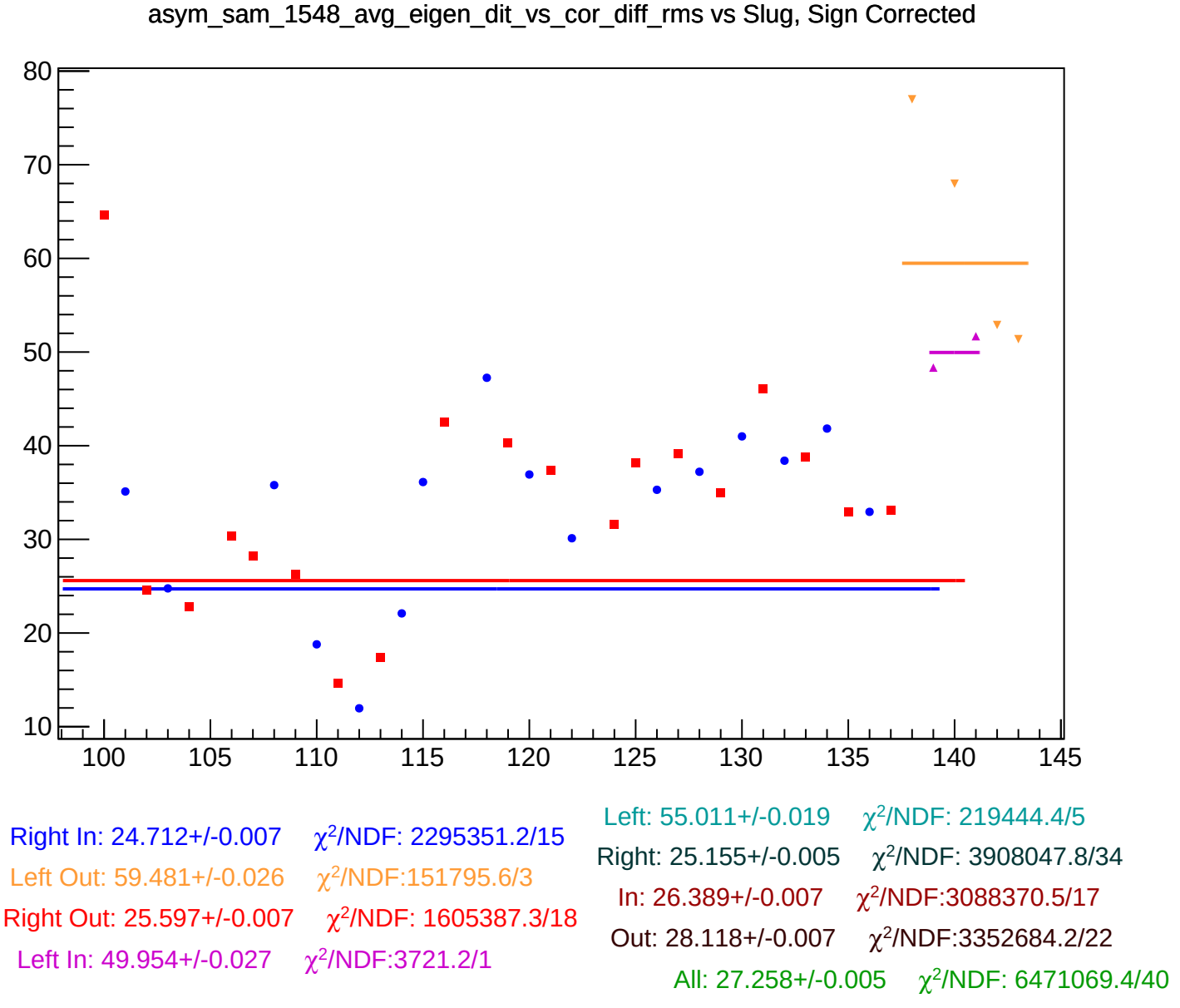
Left: -0.032+/-0.027 χ^2/NDF: 6.6/5

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.7/40


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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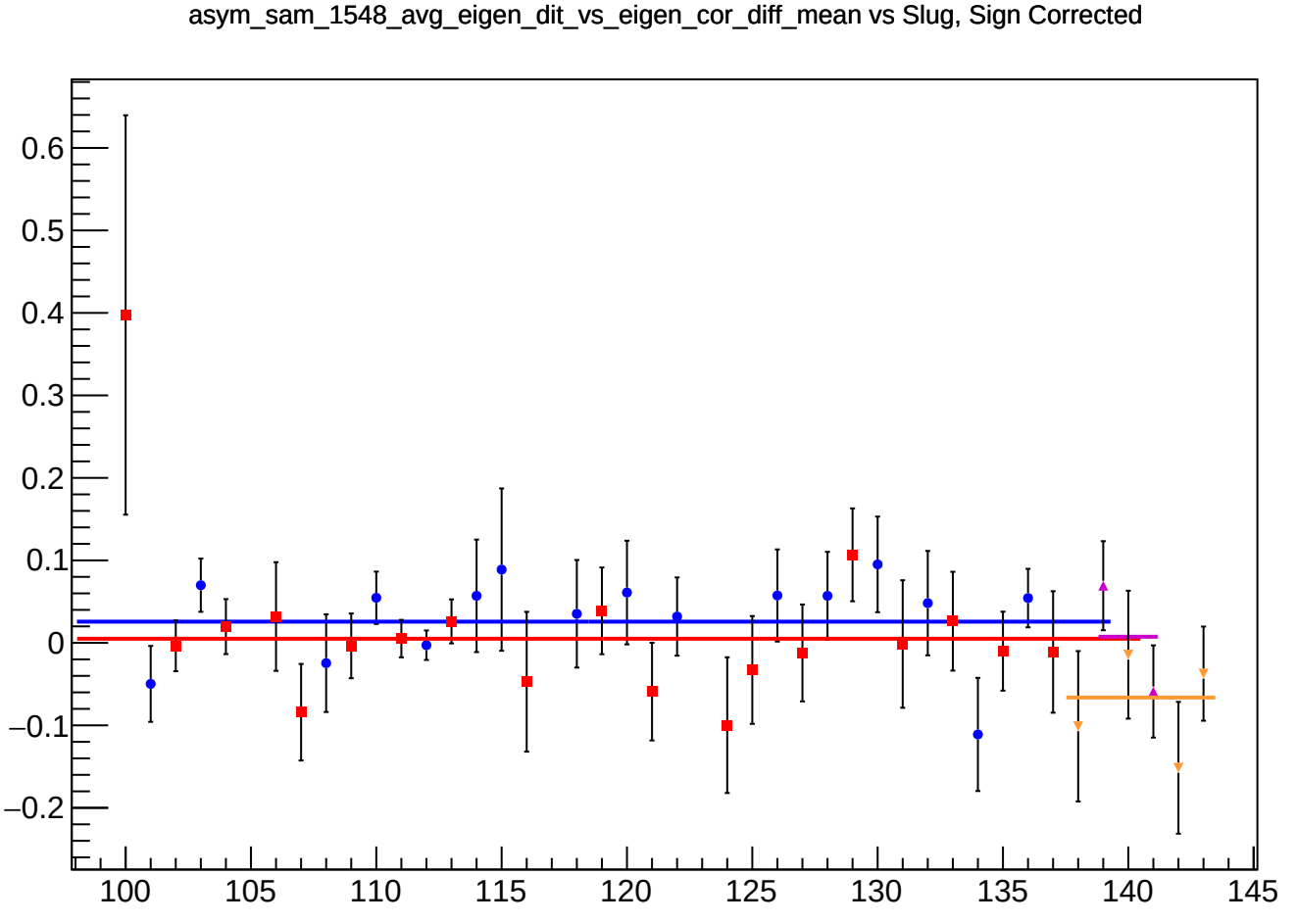
Right In: 24.712+/-0.007 χ2/NDF: 2295351.2/15
Left Out: 59.481+/-0.026 χ2/NDF:151795.6/3
Right Out: 25.597+/-0.007 χ2/NDF: 1605387.3/18
Left In: 49.954+/-0.027 χ2/NDF:3721.2/1
Left: 55.011+/-0.019 χ2/NDF: 219444.4/5
Right: 25.155+/-0.005 χ2/NDF: 3908047.8/34
In: 26.389+/-0.007 χ2/NDF:3088370.5/17
Out: 28.118+/-0.007 χ2/NDF:3352684.2/22
All: 27.258+/-0.005 χ2/NDF: 6471069.4/40



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.066+/-0.036 χ^2/NDF:2.0/3

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.039 χ^2/NDF:2.7/1

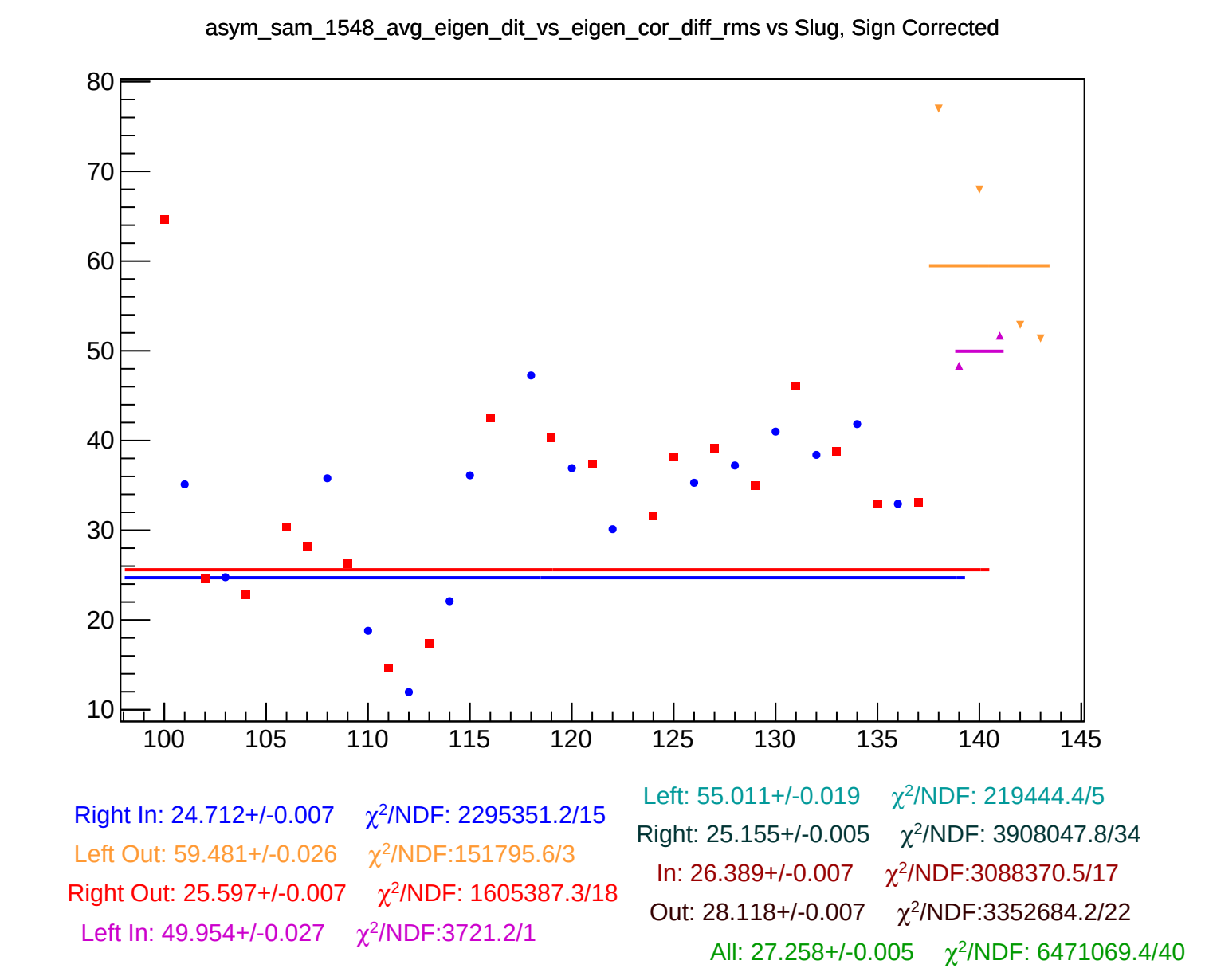
Left: -0.032+/-0.027 χ^2/NDF: 6.6/5

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.025+/-0.010 χ^2/NDF:19.4/17

Out: -0.000+/-0.010 χ^2/NDF:19.1/22

All: 0.012+/-0.007 χ^2/NDF: 41.7/40


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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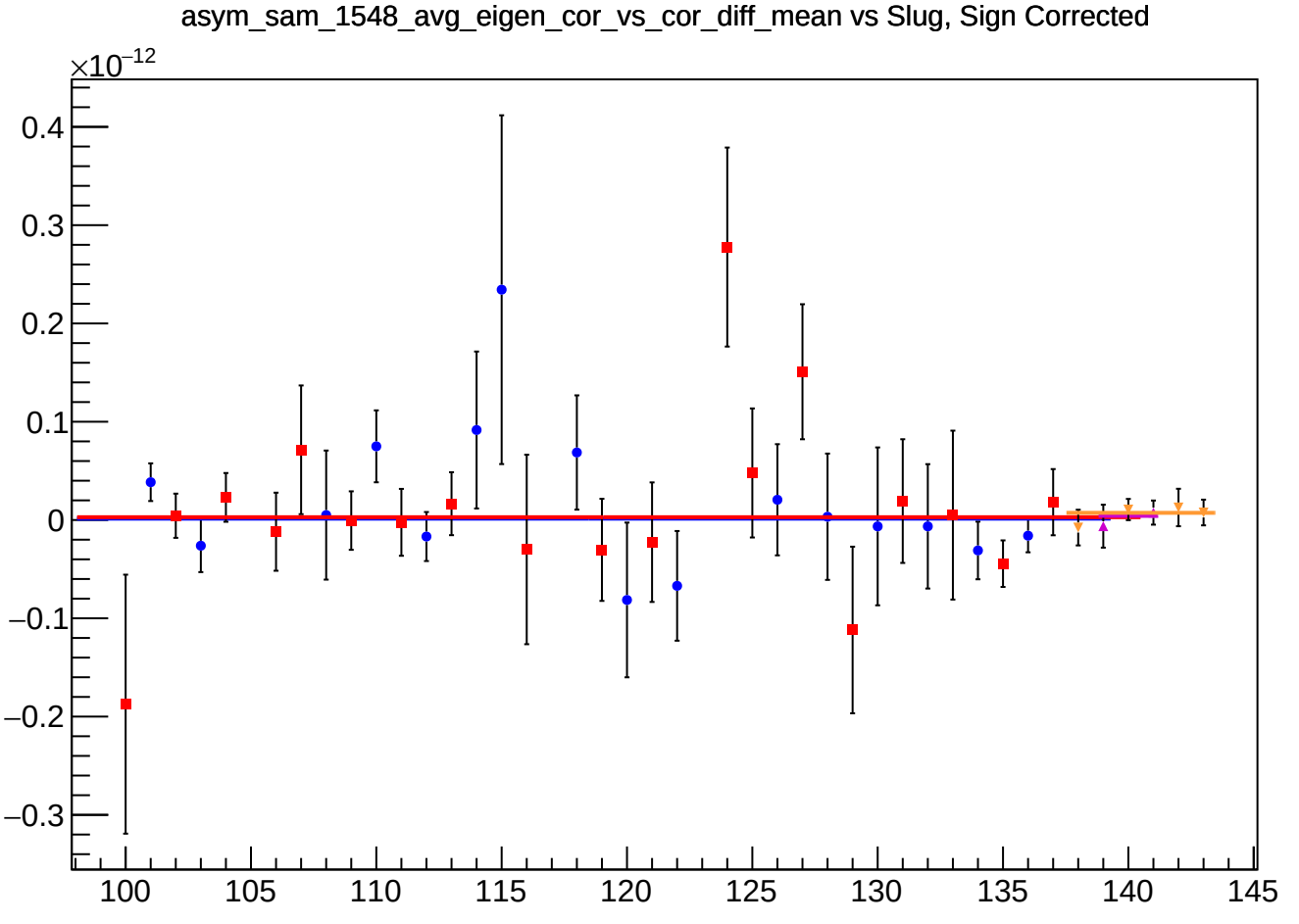
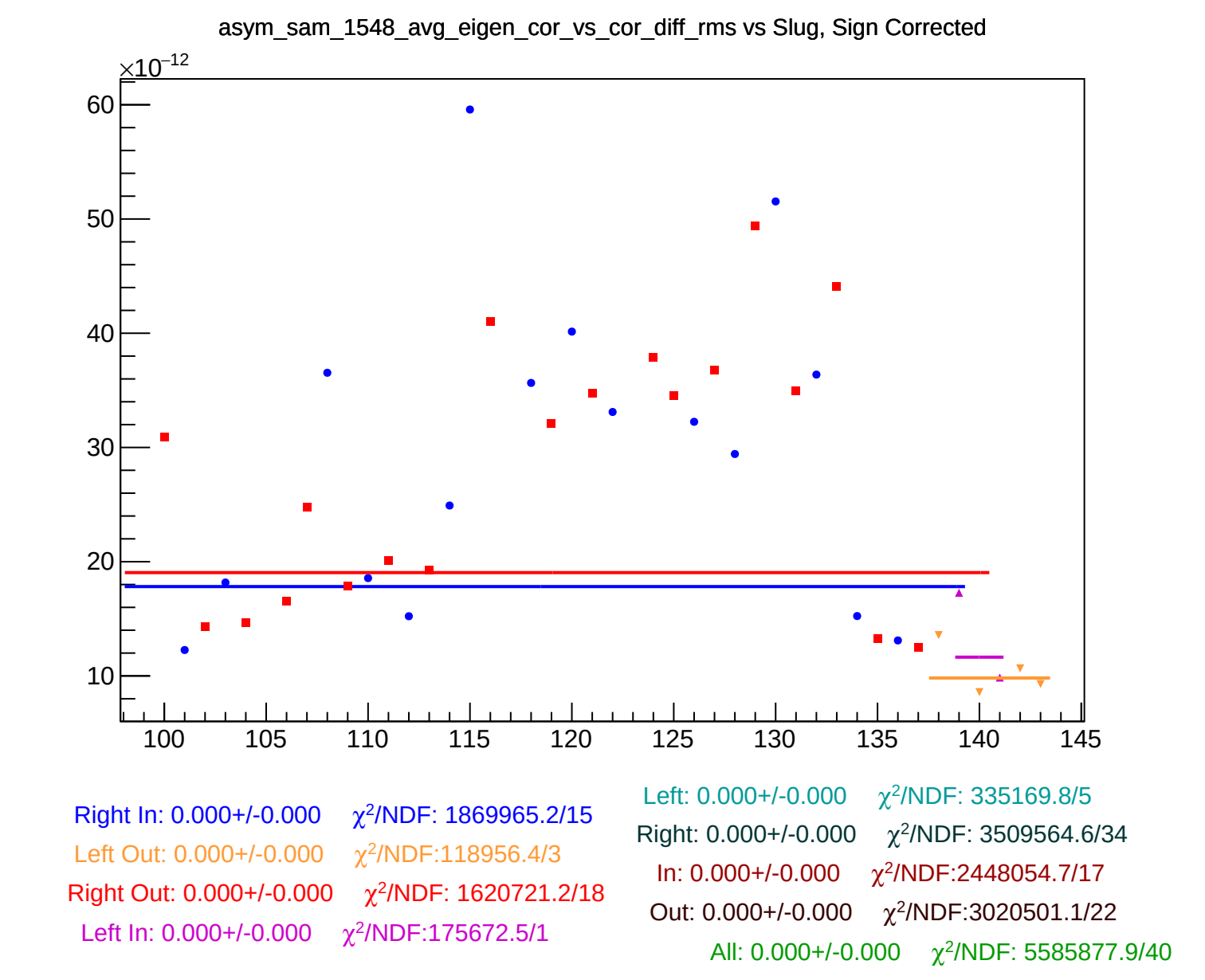
Right In: 24.712+/-0.007 χ2/NDF: 2295351.2/15
Left Out: 59.481+/-0.026 χ2/NDF:151795.6/3
Right Out: 25.597+/-0.007 χ2/NDF: 1605387.3/18
Left In: 49.954+/-0.027 χ2/NDF:3721.2/1
Left: 55.011+/-0.019 χ2/NDF: 219444.4/5
Right: 25.155+/-0.005 χ2/NDF: 3908047.8/34
In: 26.389+/-0.007 χ2/NDF:3088370.5/17
Out: 28.118+/-0.007 χ2/NDF:3352684.2/22
All: 27.258+/-0.005 χ2/NDF: 6471069.4/40


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:0.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:0.3/1
Left: 0.000+/-0.000 χ²/NDF: 1.2/5
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:19.1/17
Out: 0.000+/-0.000 χ²/NDF:24.5/22
All: 0.000+/-0.000 χ²/NDF: 43.7/40


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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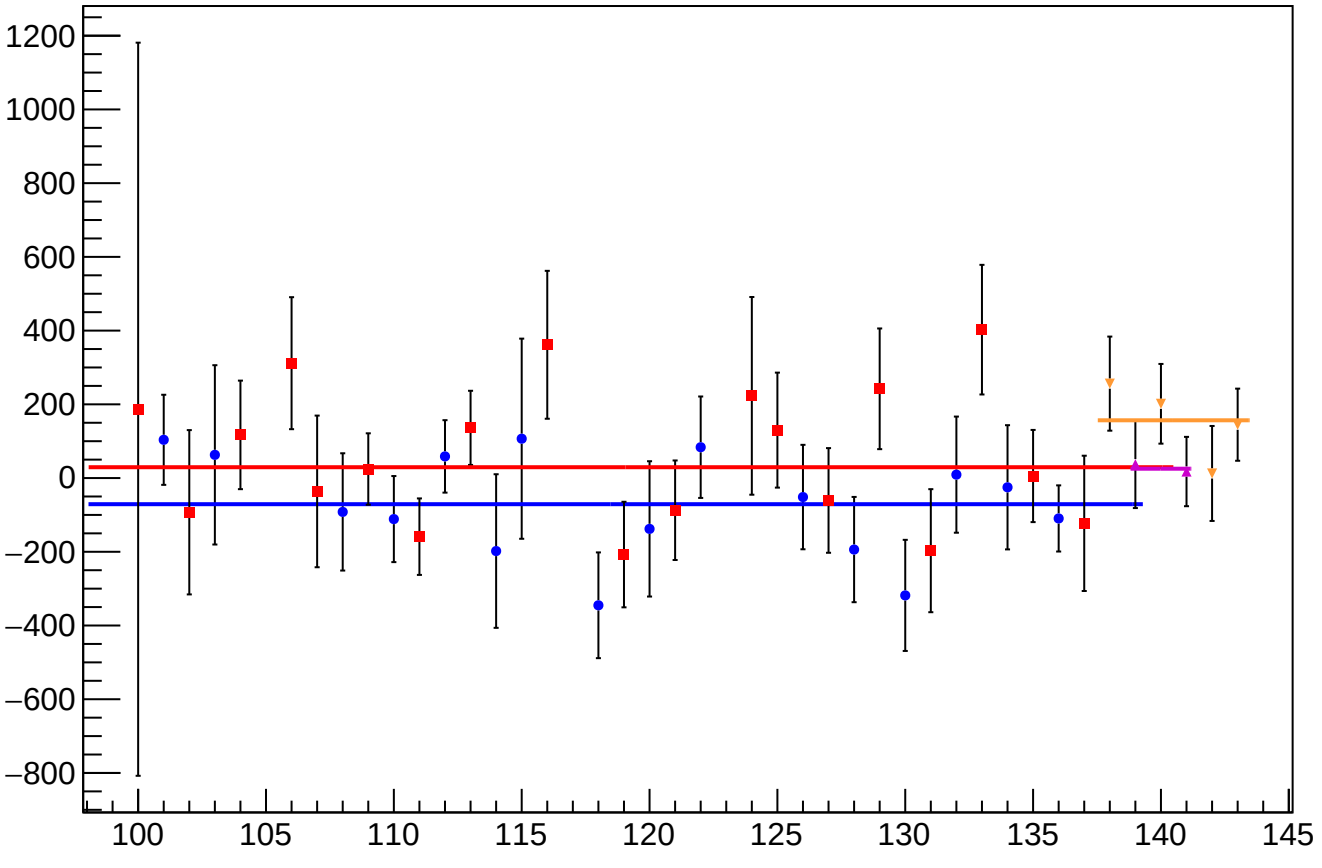
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:118956.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:175672.5/1
Left: 0.000+/-0.000 χ²/NDF: 335169.8/5
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2448054.7/17
Out: 0.000+/-0.000 χ²/NDF:3020501.1/22
All: 0.000+/-0.000 χ²/NDF: 5585877.9/40



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.702+/-56.643 χ^2/NDF:2.0/3

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 25.362+/-73.797 χ^2/NDF:0.0/1

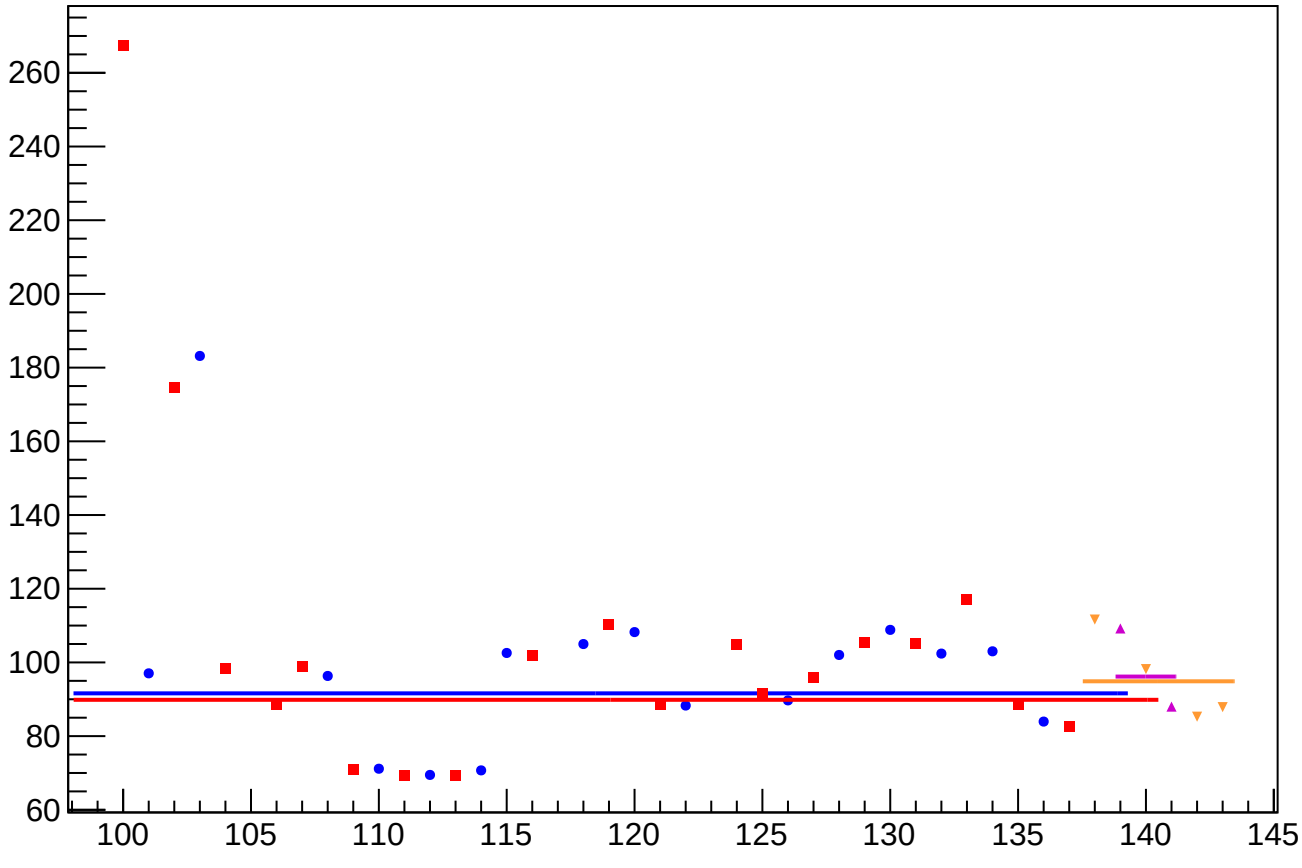
Left: 108.011+/-44.933 χ^2/NDF: 4.1/5

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -53.116+/-31.714 χ^2/NDF:15.5/17

Out: 63.480+/-29.304 χ^2/NDF:29.8/22

All: 9.779+/-21.523 χ^2/NDF: 52.5/40



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

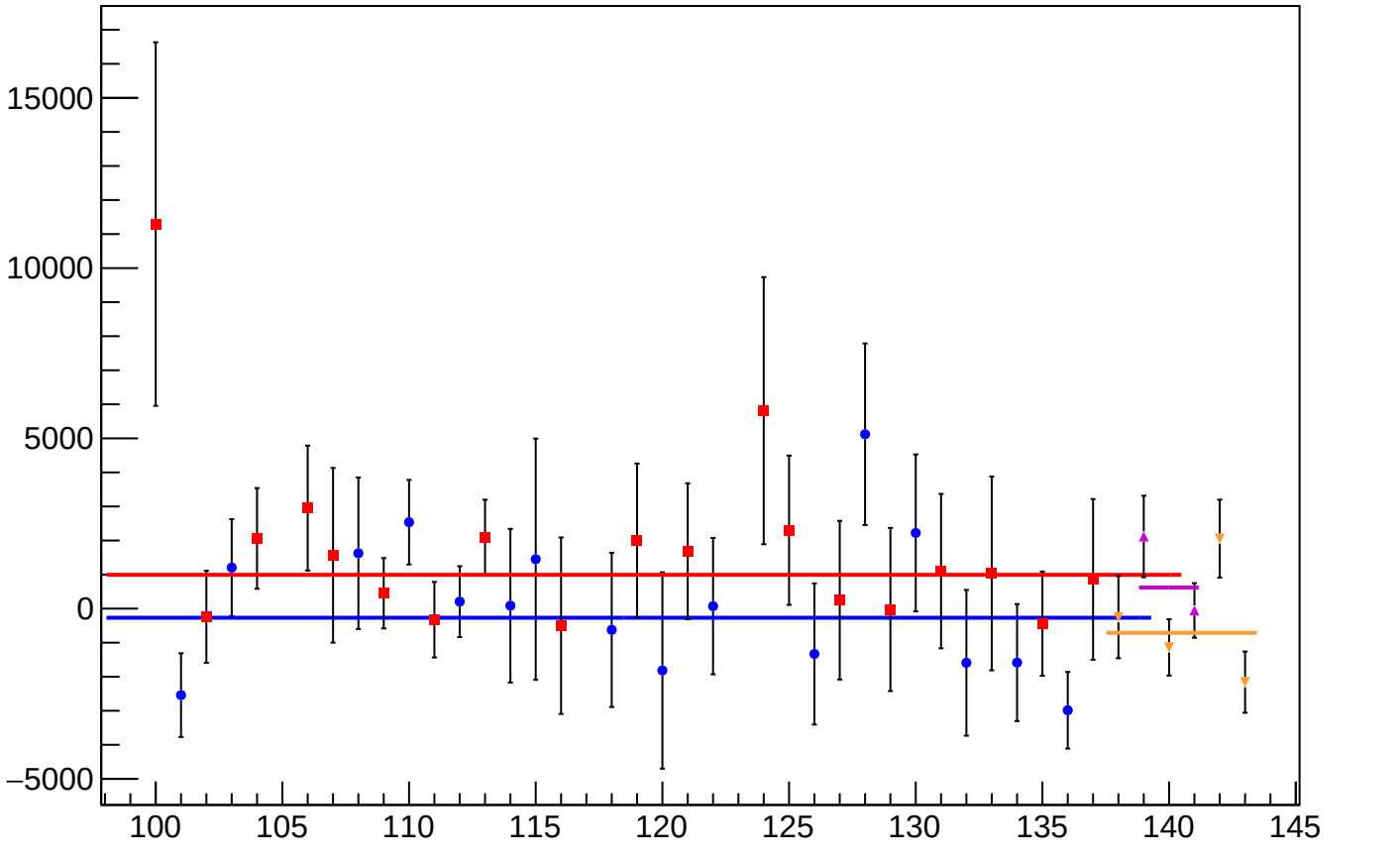
Left: 95.354+/-0.032 χ^2/NDF: 97193.8/5

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 92.449+/-0.022 χ^2/NDF:625958.9/17

Out: 91.199+/-0.021 χ^2/NDF:815544.8/22

All: 91.775+/-0.015 χ^2/NDF: 1443178.9/40



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -710.617+/-490.896 χ^2/NDF:8.8/3

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 619.569+/-665.720 χ^2/NDF:2.3/1

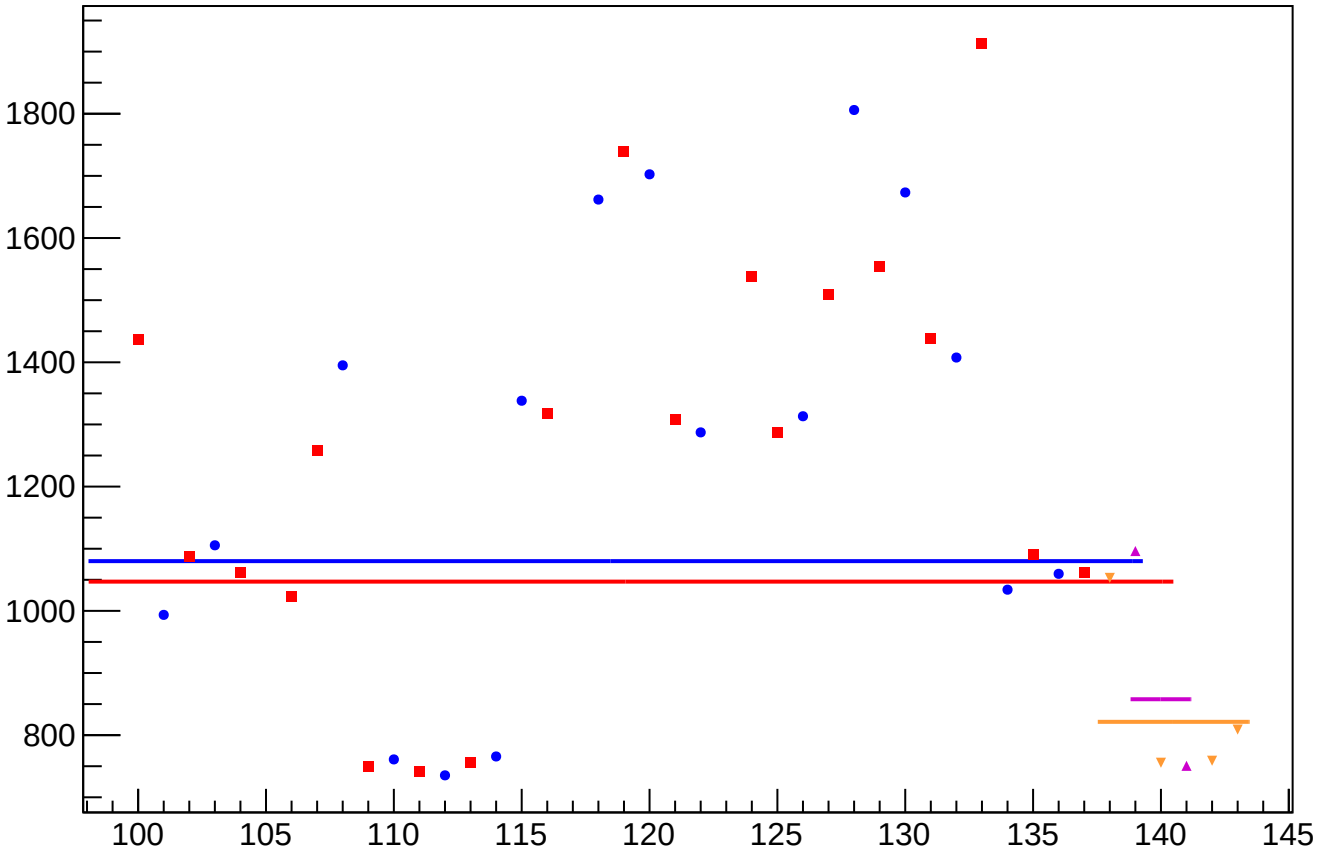
Left: -242.093+/-395.095 χ^2/NDF: 13.7/5

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -16.013+/-354.959 χ^2/NDF:27.0/17

Out: 311.336+/-310.474 χ^2/NDF:28.7/22

All: 169.448+/-233.693 χ^2/NDF: 56.2/40



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 821.433+/-0.347 χ^2/NDF:92875.3/3

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 857.782+/-0.471 χ^2/NDF:115301.2/1

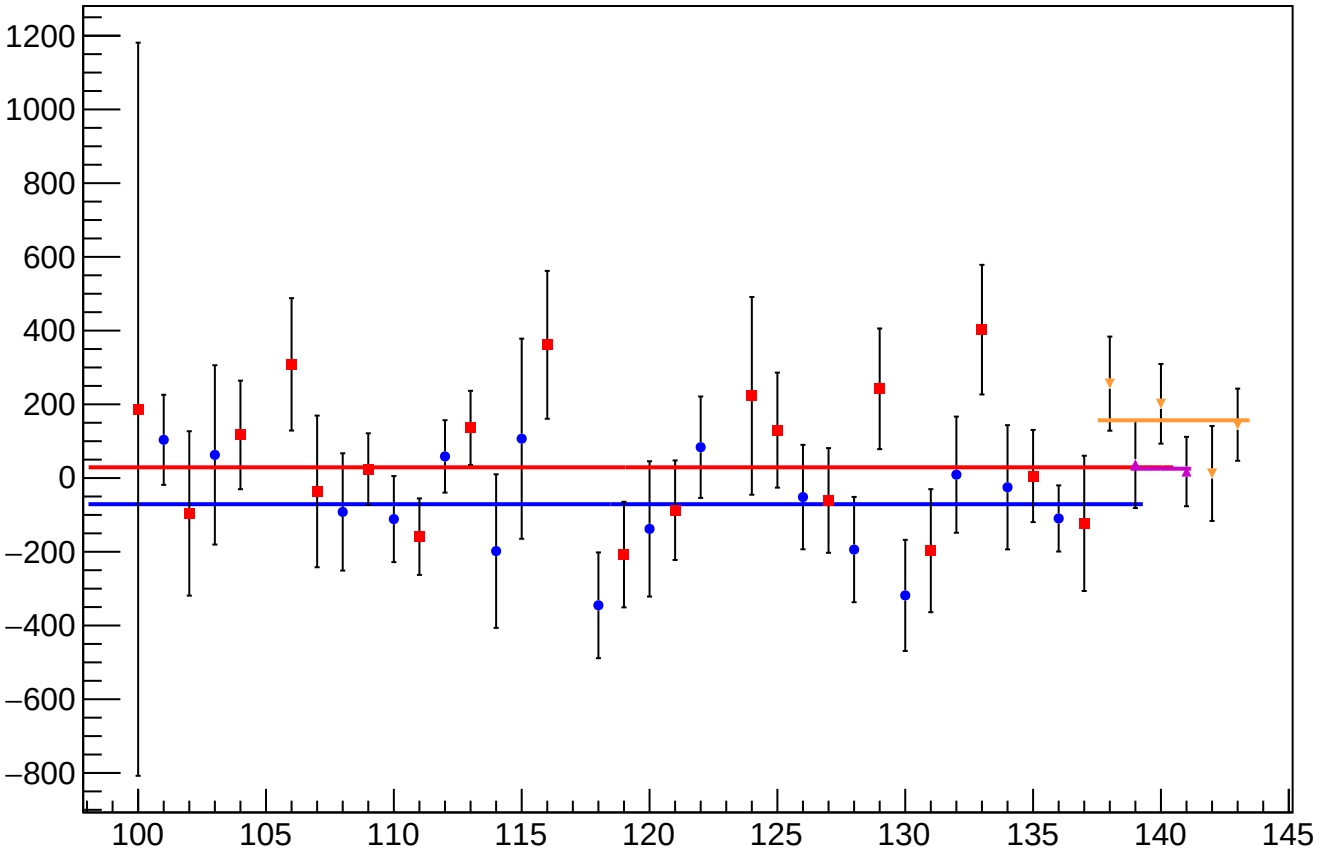
Left: 834.236+/-0.279 χ^2/NDF: 212038.9/5

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 1016.856+/-0.251 χ^2/NDF:1328326.2/17

Out: 956.811+/-0.220 χ^2/NDF:1545038.5/22

All: 982.837+/-0.165 χ^2/NDF: 2905788.8/40



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.713+/-56.643 χ^2/NDF:2.0/3

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 25.367+/-73.797 χ^2/NDF:0.0/1

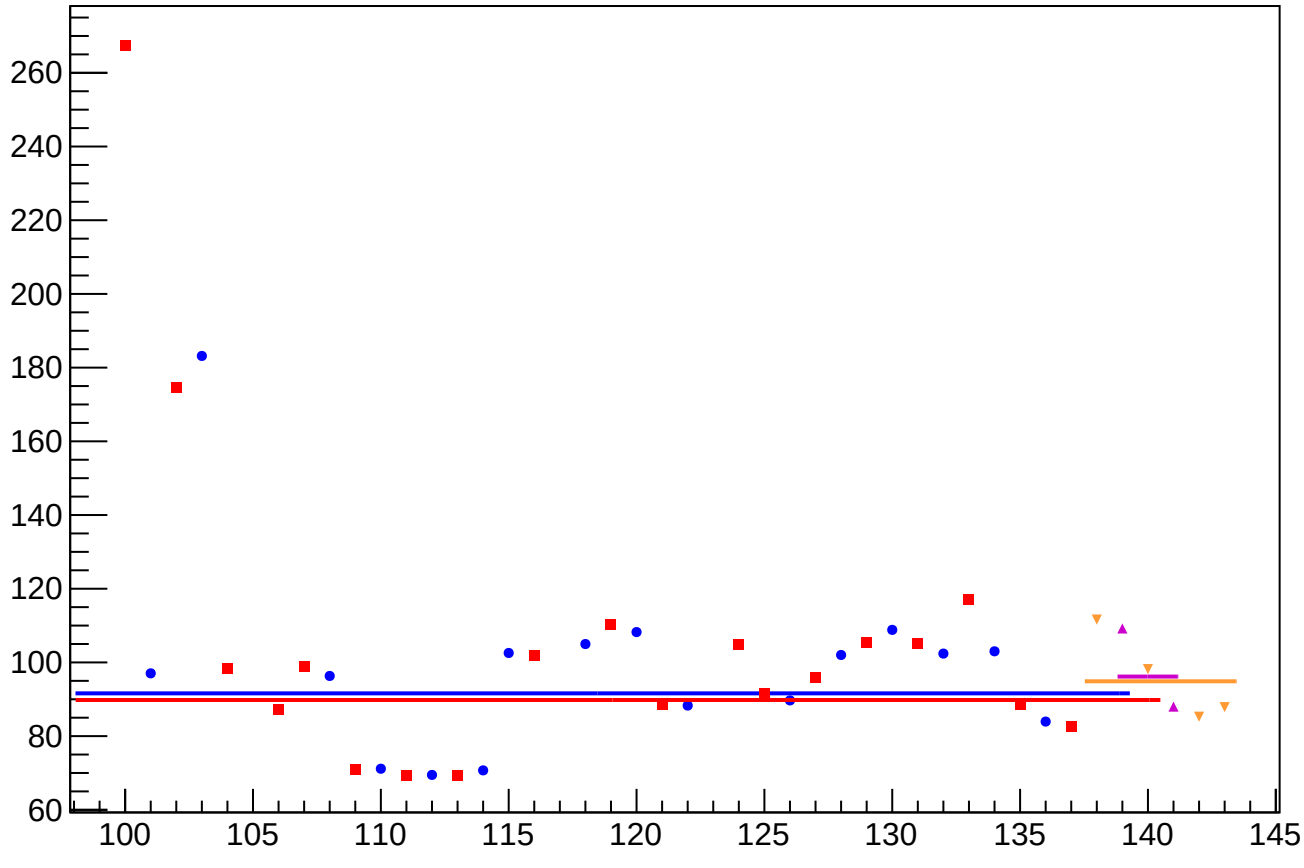
Left: 108.020+/-44.933 χ^2/NDF: 4.1/5

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -53.124+/-31.714 χ^2/NDF:15.5/17

Out: 63.305+/-29.307 χ^2/NDF:29.7/22

All: 9.675+/-21.524 χ^2/NDF: 52.4/40



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 96.161+/-0.052 χ^2/NDF:39079.9/1

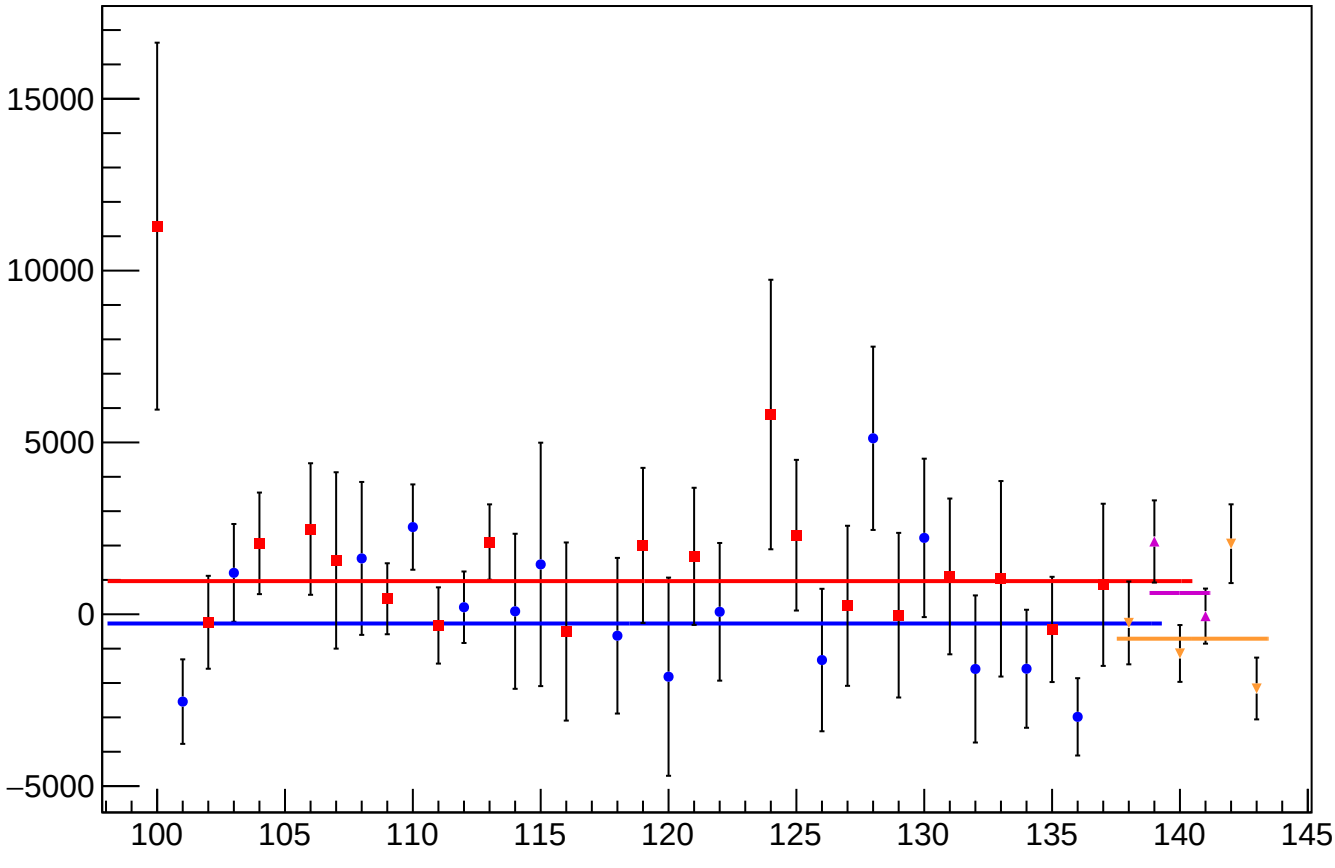
Left: 95.354+/-0.032 χ^2/NDF: 97193.8/5

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 92.449+/-0.022 χ^2/NDF:625962.0/17

Out: 91.165+/-0.021 χ^2/NDF:816307.1/22

All: 91.756+/-0.015 χ^2/NDF: 1444037.9/40



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -710.602+/-490.895 χ^2/NDF:8.8/3

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 619.590+/-665.721 χ^2/NDF:2.3/1

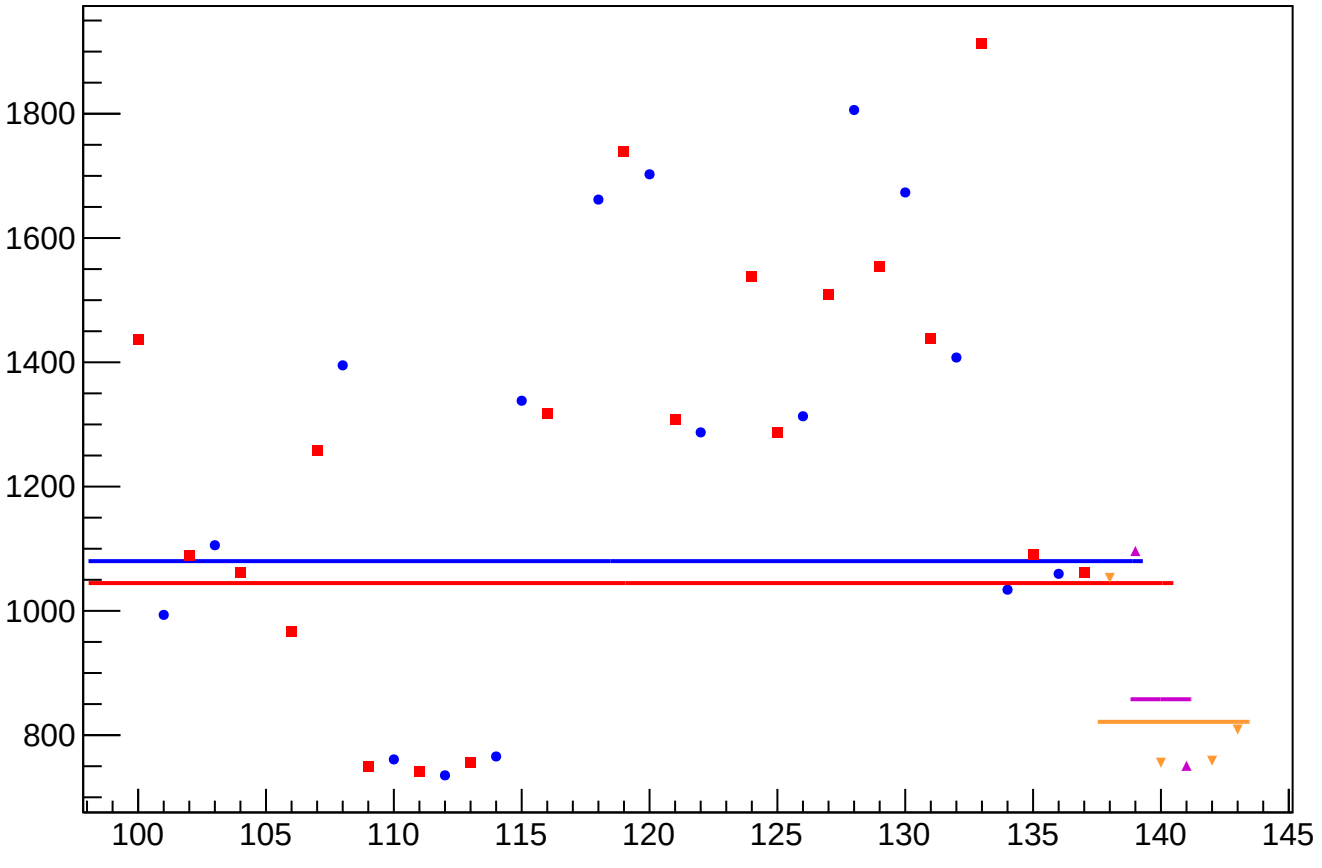
Left: -242.076+/-395.095 χ^2/NDF: 13.7/5

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -16.019+/-354.961 χ^2/NDF:27.0/17

Out: 293.110+/-310.849 χ^2/NDF:27.9/22

All: 158.937+/-233.854 χ^2/NDF: 55.4/40



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 821.432+/-0.347 χ^2/NDF:92875.2/3

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 857.783+/-0.471 χ^2/NDF:115299.9/1

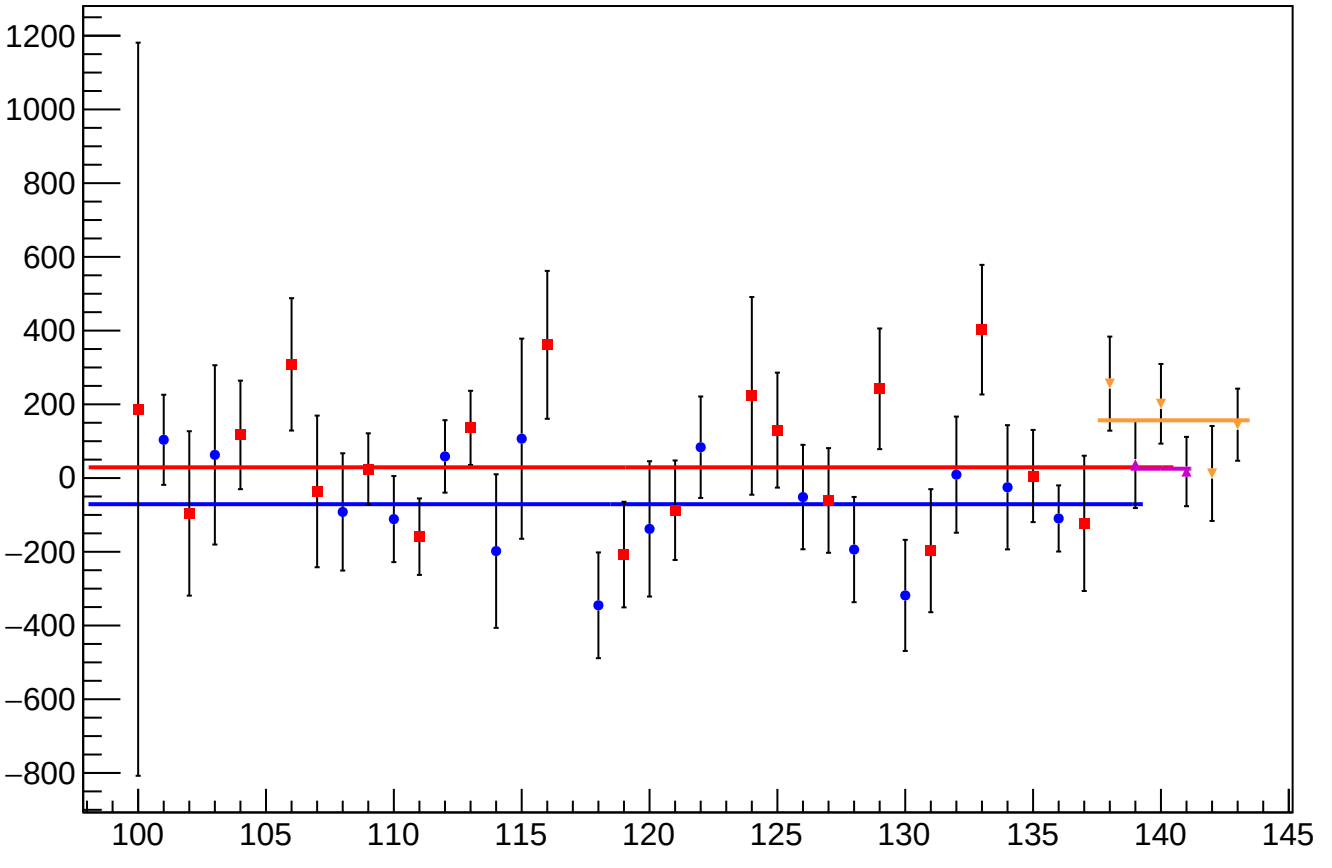
Left: 834.236+/-0.279 χ^2/NDF: 212037.8/5

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1016.862+/-0.251 χ^2/NDF:1328341.3/17

Out: 955.184+/-0.220 χ^2/NDF:1542563.7/22

All: 981.954+/-0.165 χ^2/NDF: 2905080.5/40



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 156.713+/-56.643 χ^2/NDF:2.0/3

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 25.367+/-73.797 χ^2/NDF:0.0/1

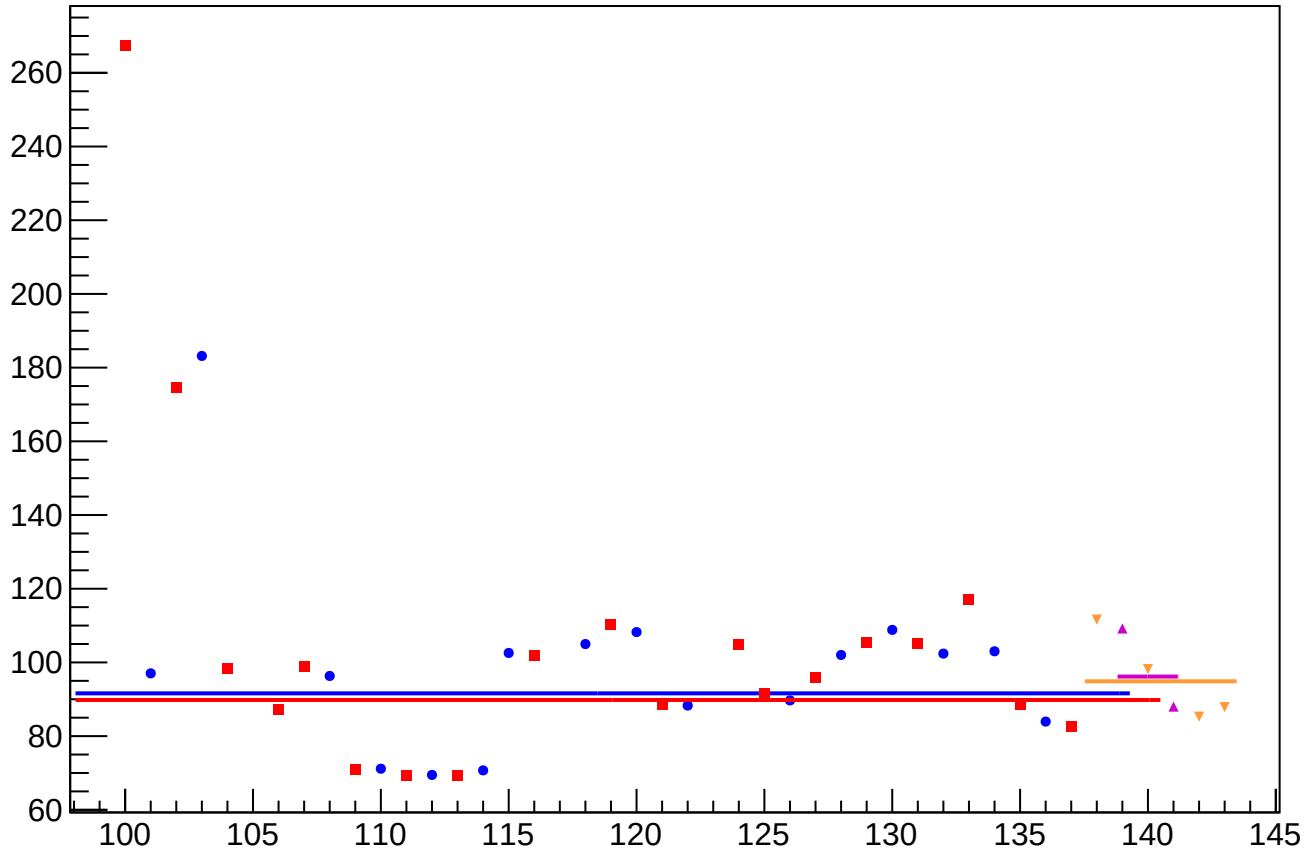
Left: 108.020+/-44.933 χ^2/NDF: 4.1/5

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -53.124+/-31.714 χ^2/NDF:15.5/17

Out: 63.305+/-29.307 χ^2/NDF:29.7/22

All: 9.675+/-21.524 χ^2/NDF: 52.4/40



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 94.878+/-0.040 χ^2/NDF:57733.8/3

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: 95.354+/-0.032 χ^2/NDF: 97193.8/5

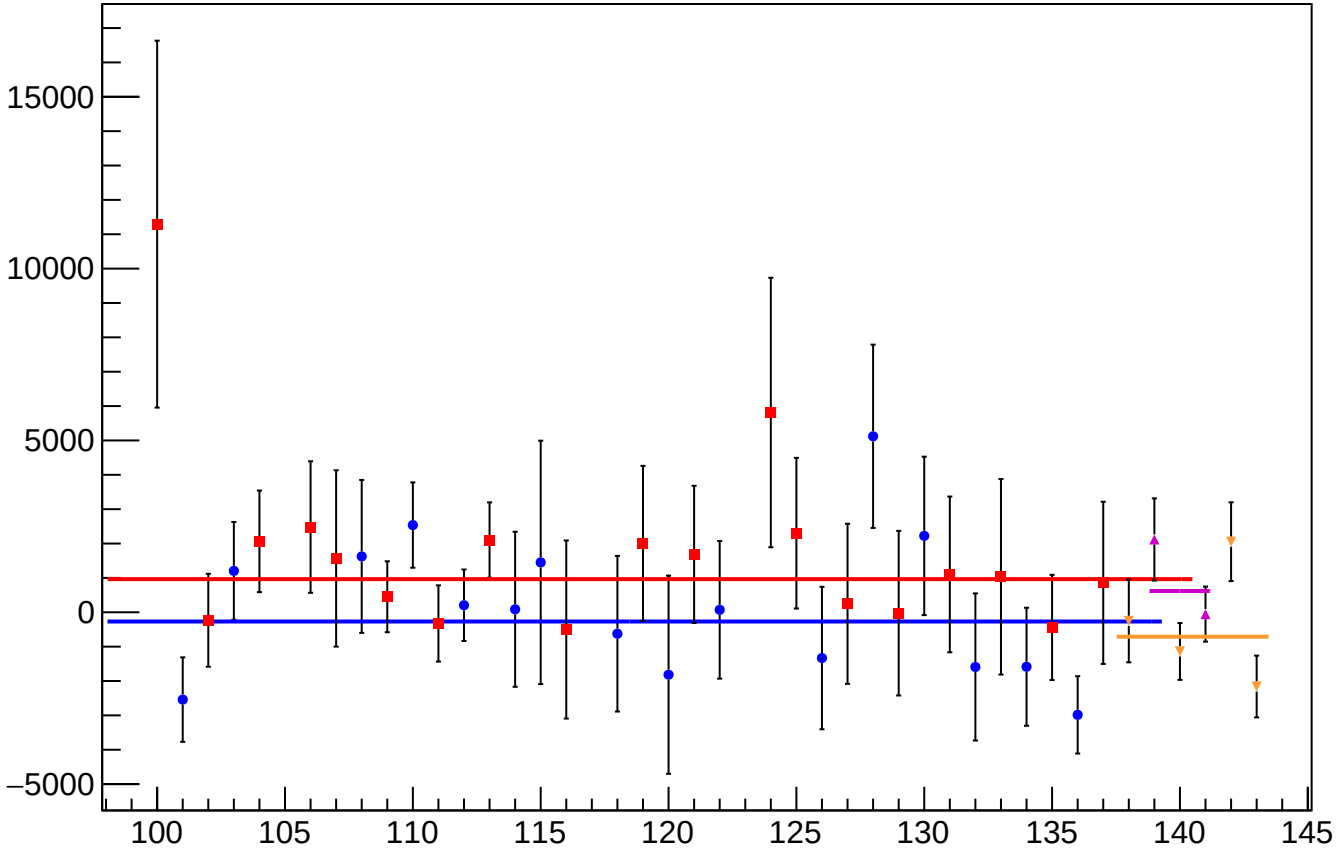
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 92.449+/-0.022 χ^2/NDF:625962.0/17

Out: 91.165+/-0.021 χ^2/NDF:816307.1/22

All: 91.756+/-0.015 χ^2/NDF: 1444037.9/40

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -710.602+/-490.895 χ^2/NDF:8.8/3

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: -242.076+/-395.095 χ^2/NDF: 13.7/5

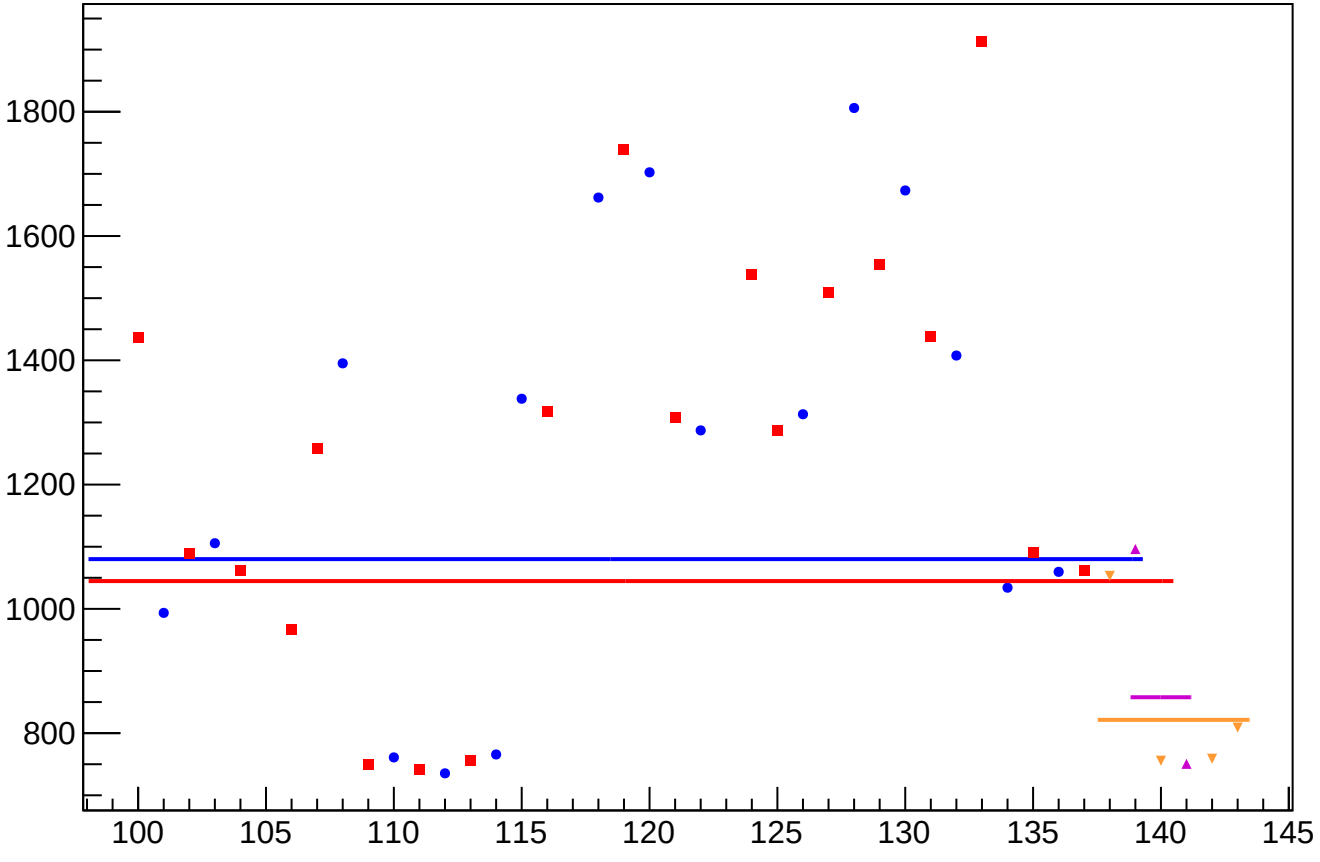
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -16.019+/-354.961 χ^2/NDF:27.0/17

Out: 293.110+/-310.849 χ^2/NDF:27.9/22

All: 158.937+/-233.854 χ^2/NDF: 55.4/40

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 821.432+/-0.347 χ^2/NDF:92875.2/3

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 857.783+/-0.471 χ^2/NDF:115299.9/1

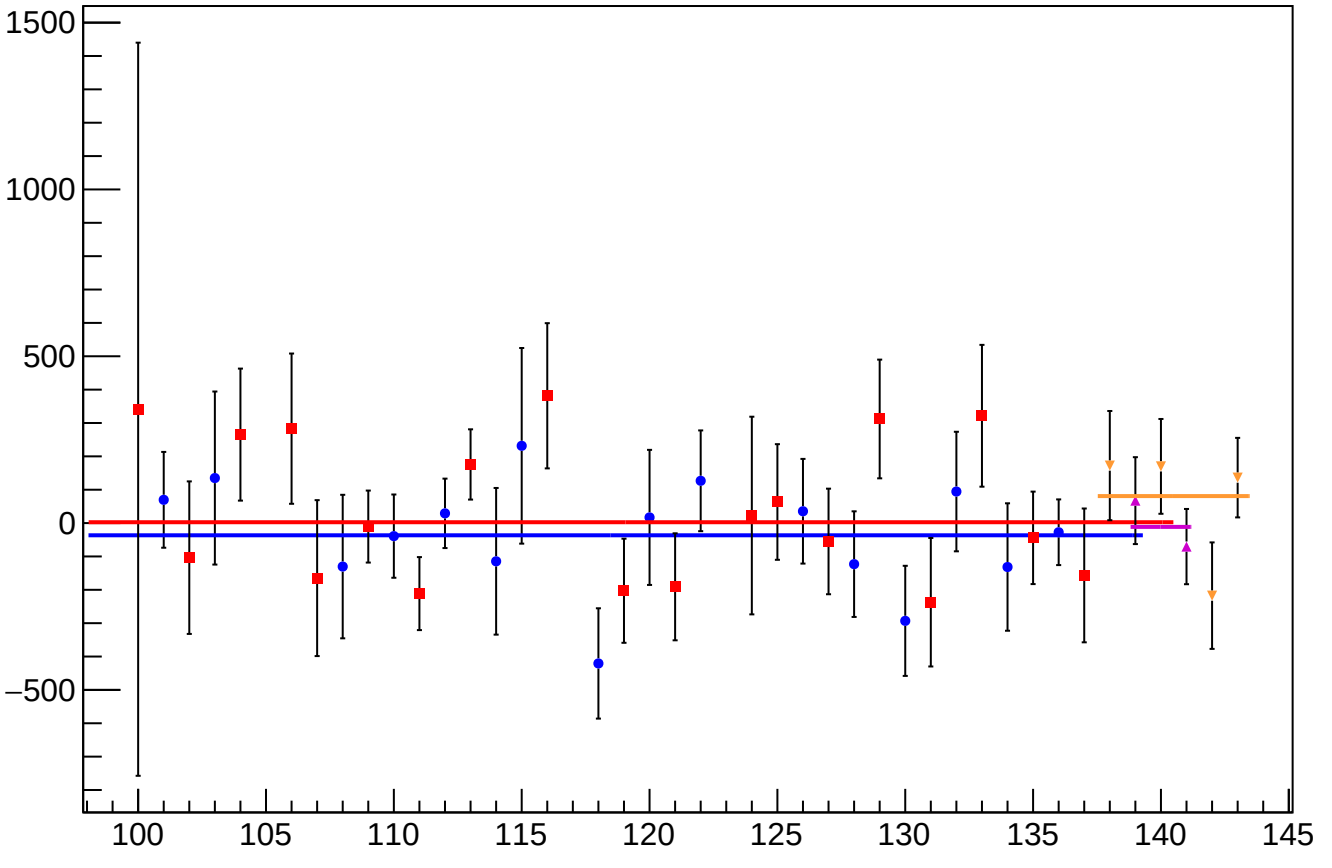
Left: 834.236+/-0.279 χ^2/NDF: 212037.8/5

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 1016.862+/-0.251 χ^2/NDF:1328341.3/17

Out: 955.184+/-0.220 χ^2/NDF:1542563.7/22

All: 981.954+/-0.165 χ^2/NDF: 2905080.5/40



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 80.904+/-71.334 χ^2/NDF:4.4/3

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: 42.889+/-54.711 χ^2/NDF: 5.7/5

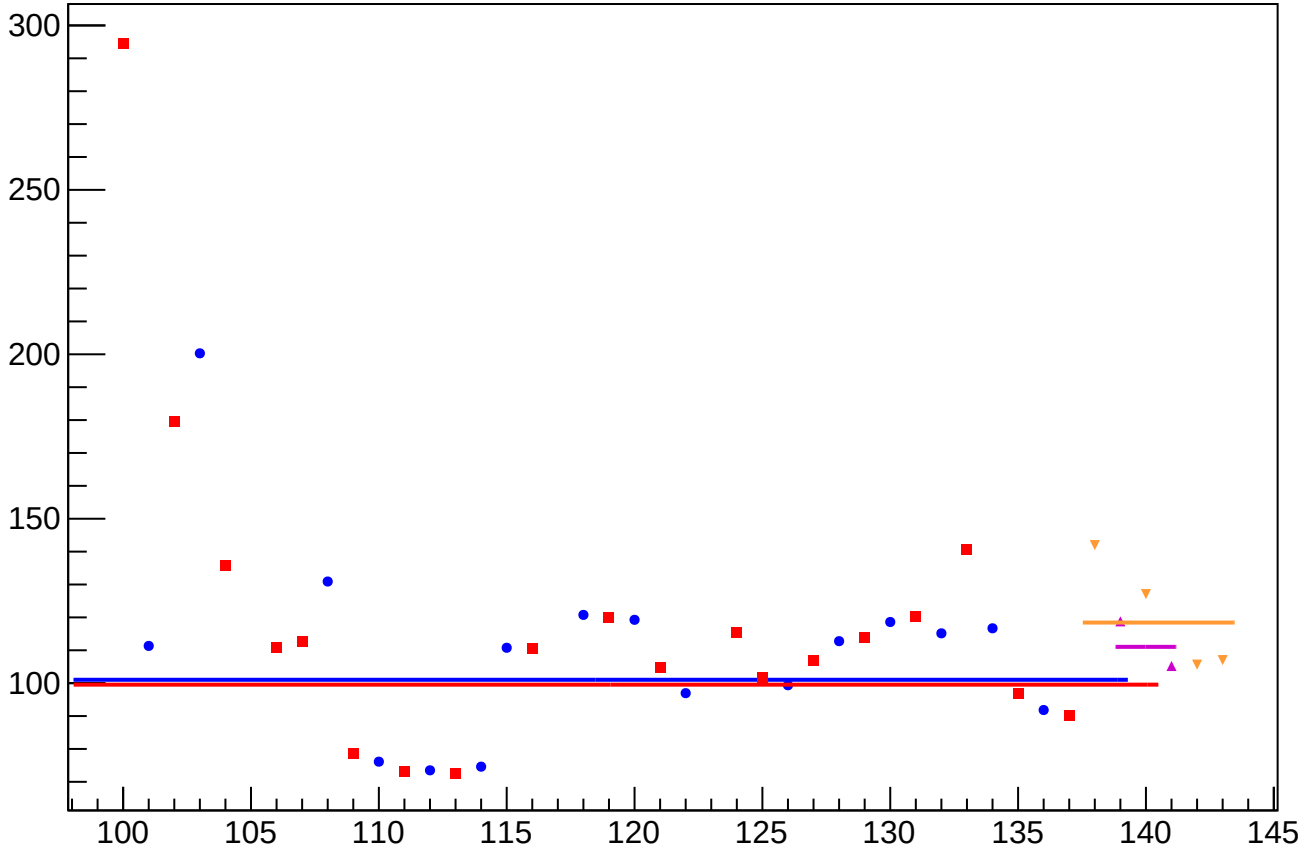
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -32.237+/-35.459 χ^2/NDF:13.6/17

Out: 20.001+/-33.651 χ^2/NDF:30.1/22

All: -4.753+/-24.409 χ^2/NDF: 44.8/40

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 118.432+/-0.050 χ^2/NDF:80044.7/3

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 111.043+/-0.060 χ^2/NDF:12410.2/1

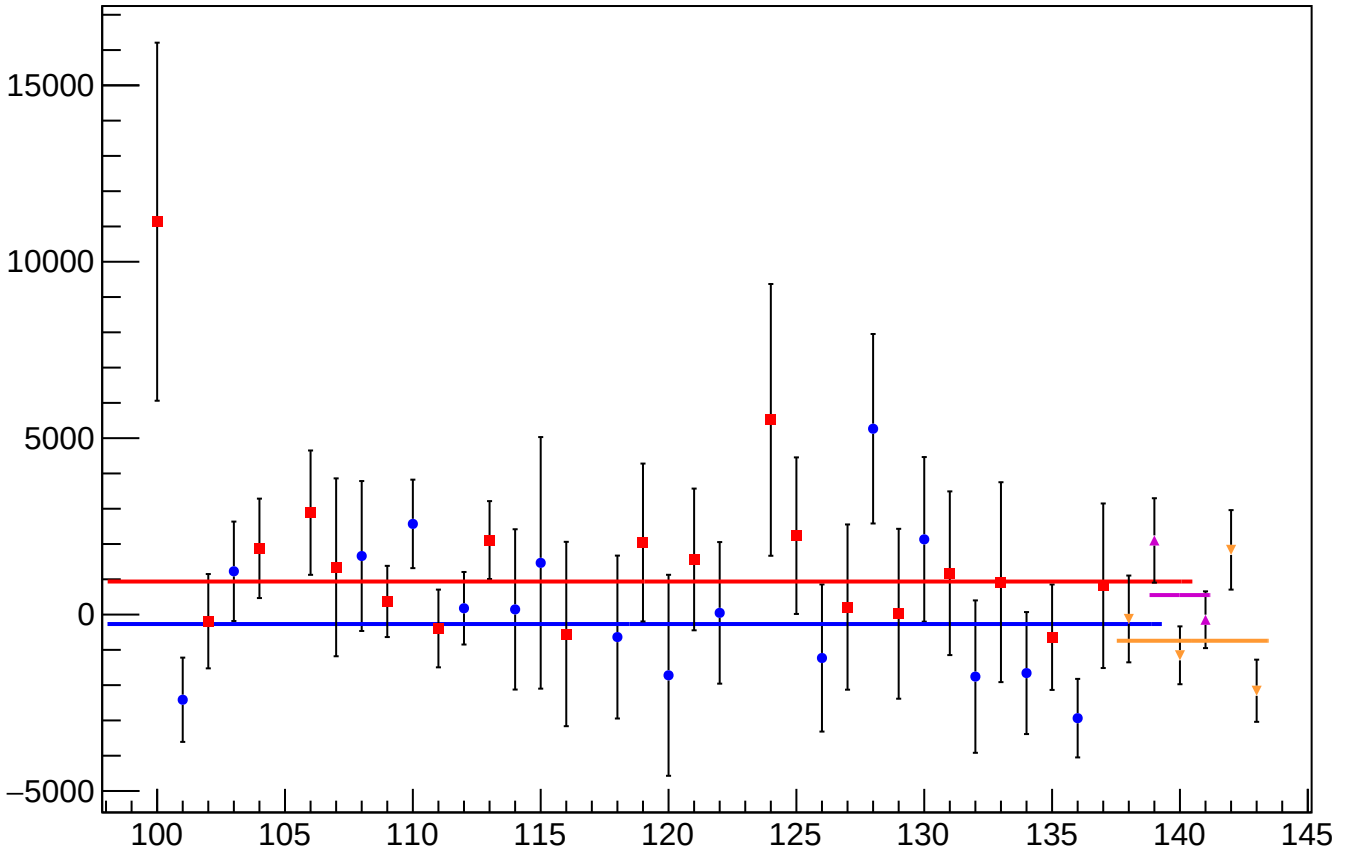
Left: 115.390+/-0.039 χ^2/NDF: 101293.0/5

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.763+/-0.025 χ^2/NDF:751312.1/17

Out: 103.750+/-0.024 χ^2/NDF:1069527.2/22

All: 103.282+/-0.017 χ^2/NDF: 1821654.7/40



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -741.922+/-486.503 χ^2/NDF:8.3/3

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: -292.560+/-393.140 χ^2/NDF: 13.2/5

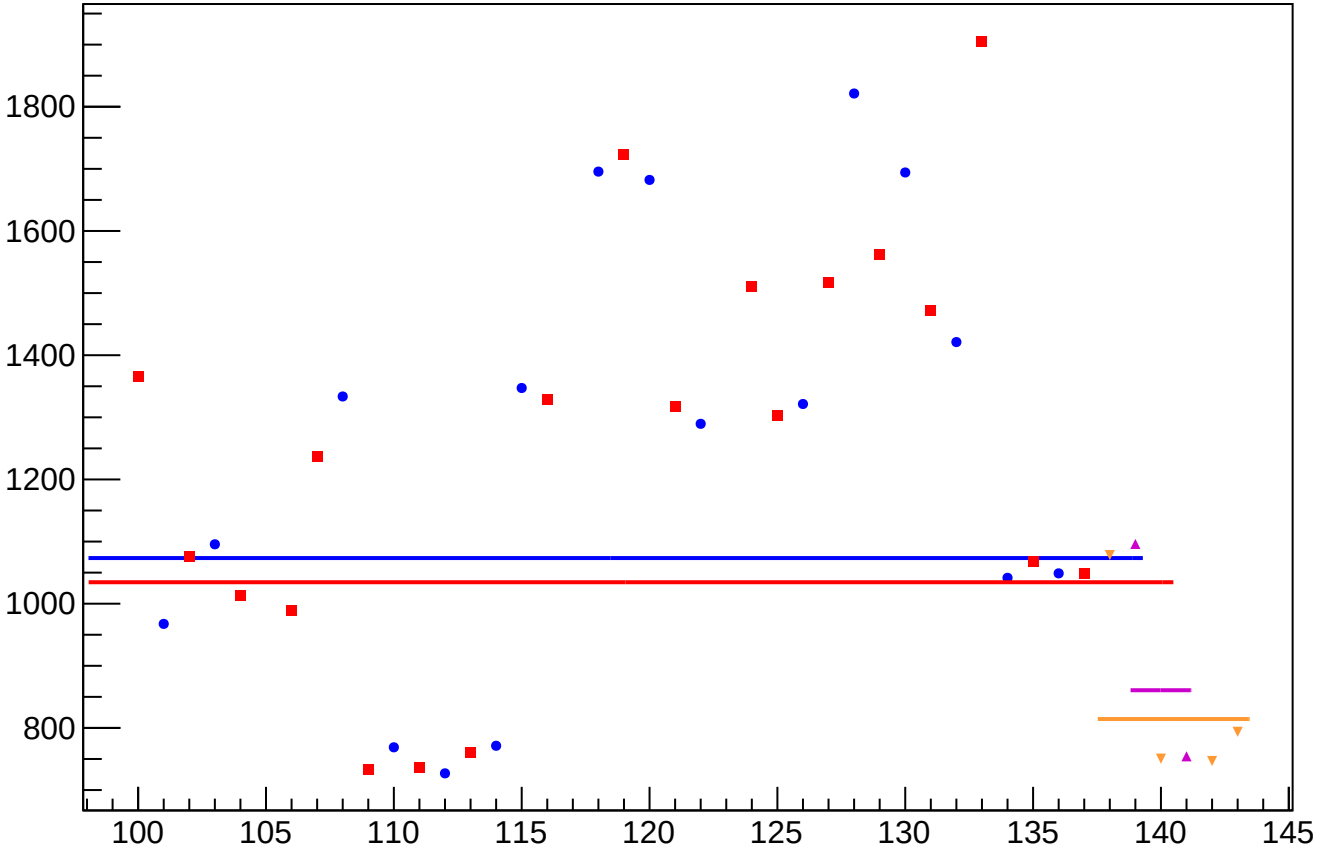
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: -37.318+/-353.684 χ^2/NDF:27.0/17

Out: 267.287+/-307.229 χ^2/NDF:28.6/22

All: 136.290+/-231.941 χ^2/NDF: 56.0/40

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 814.307+/-0.344 χ^2/NDF:112551.7/3

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 860.680+/-0.472 χ^2/NDF:112496.5/1

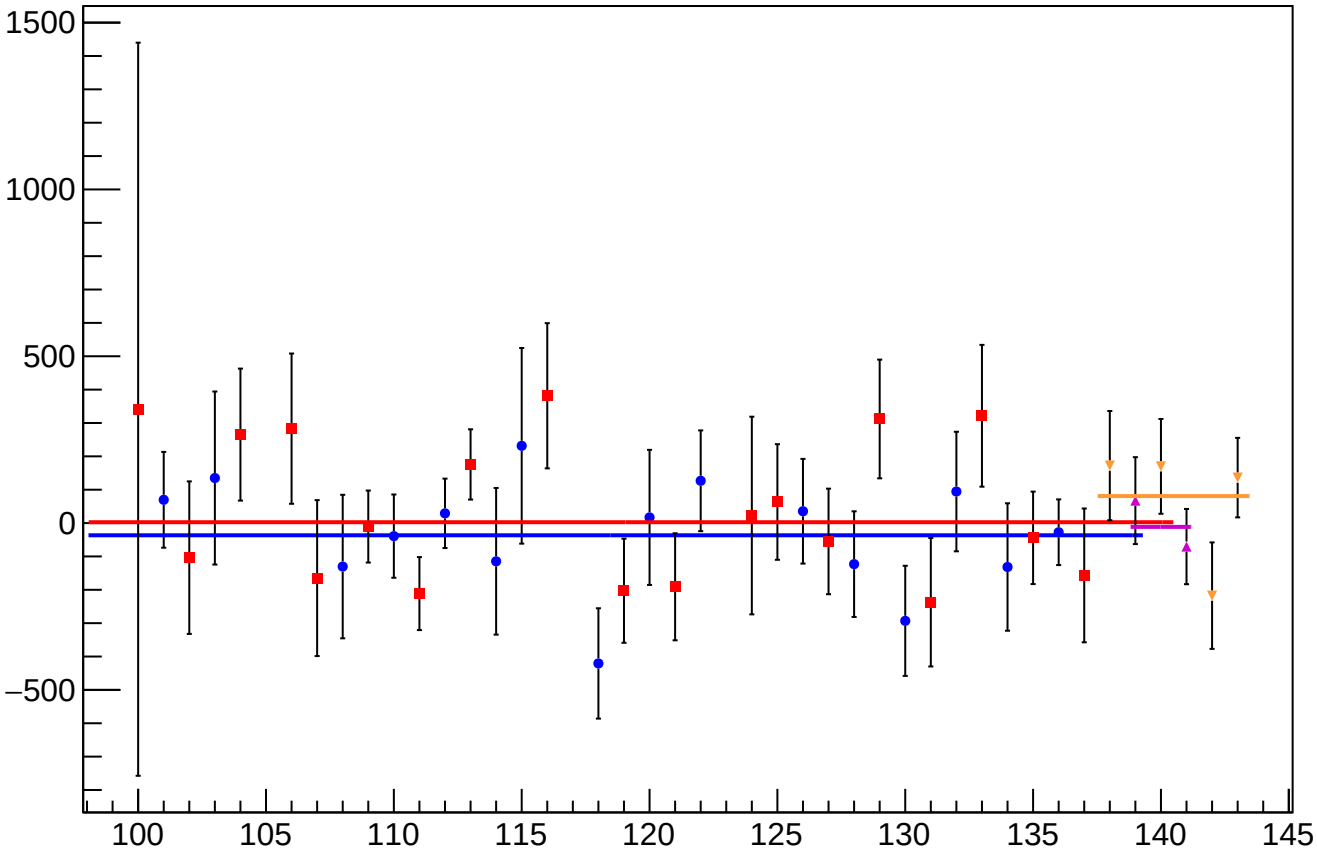
Left: 830.397+/-0.278 χ^2/NDF: 231353.3/5

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 1013.702+/-0.250 χ^2/NDF:1335742.4/17

Out: 946.708+/-0.217 χ^2/NDF:1588286.8/22

All: 975.519+/-0.164 χ^2/NDF: 2964926.6/40



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 80.905+/-71.334 χ^2/NDF:4.4/3

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: -11.418+/-85.261 χ^2/NDF:0.6/1

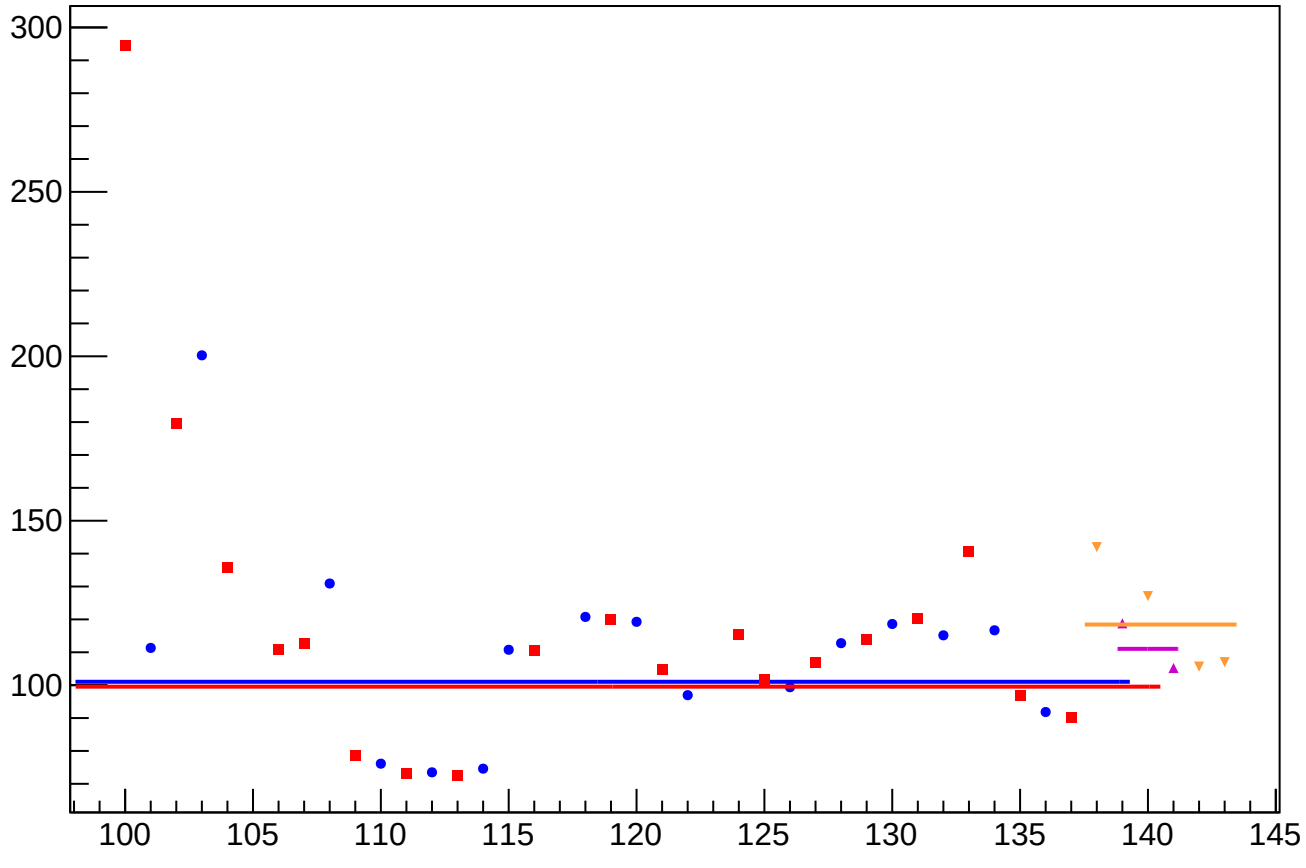
Left: 42.890+/-54.711 χ^2/NDF: 5.7/5

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: -32.236+/-35.459 χ^2/NDF:13.6/17

Out: 19.999+/-33.651 χ^2/NDF:30.1/22

All: -4.753+/-24.409 χ^2/NDF: 44.8/40



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 118.433+/-0.050 χ^2/NDF:80041.6/3

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 111.043+/-0.060 χ^2/NDF:12409.3/1

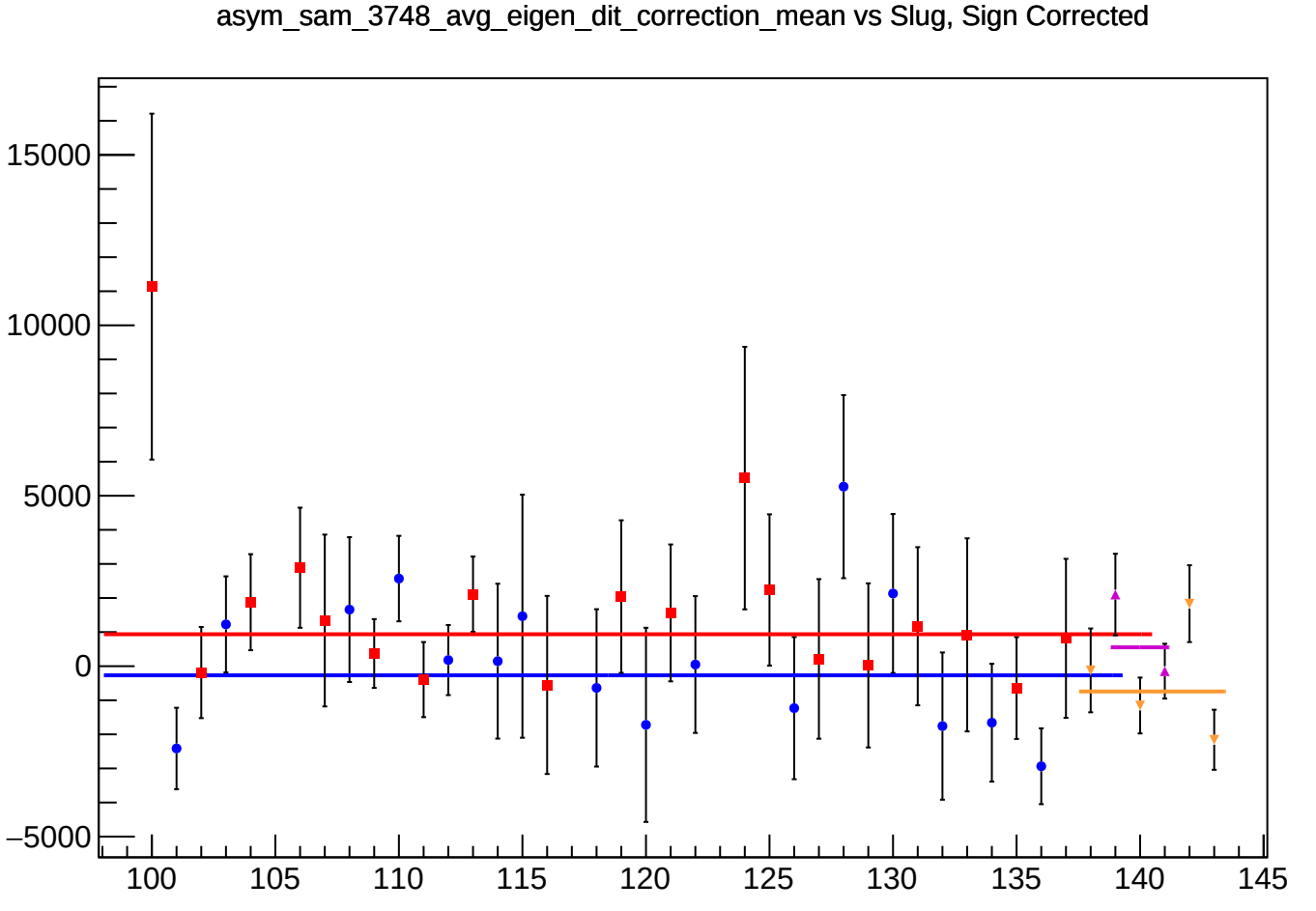
Left: 115.390+/-0.039 χ^2/NDF: 101289.5/5

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

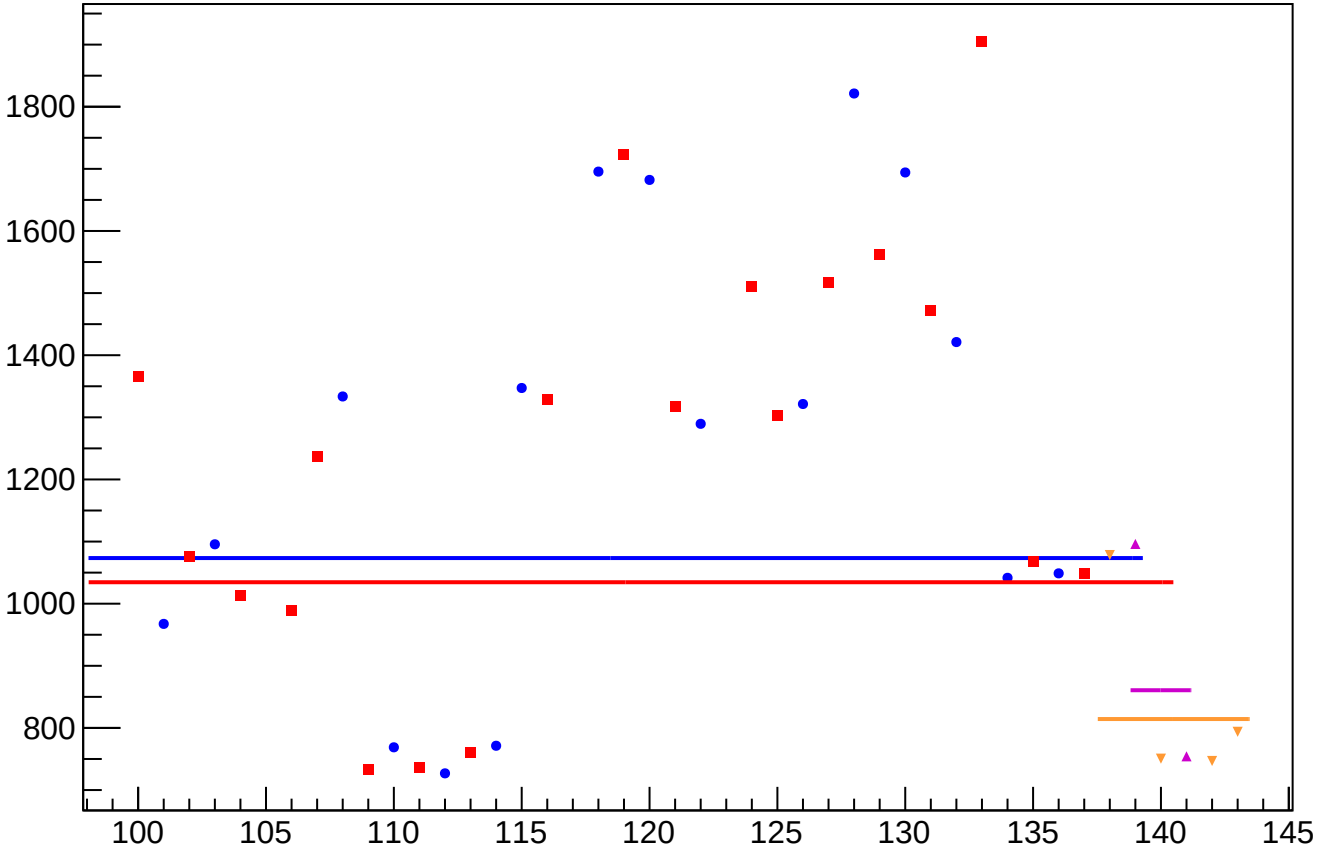
In: 102.763+/-0.025 χ^2/NDF:751310.2/17

Out: 103.750+/-0.024 χ^2/NDF:1069529.3/22

All: 103.282+/-0.017 χ^2/NDF: 1821655.0/40


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
105
110
115
120
125
130
135
140
145
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -741.924+/-486.502 χ²/NDF:8.3/3
Right Out: 936.732+/-396.234 χ²/NDF: 13.1/18
Left In: 553.137+/-667.411 χ²/NDF:2.4/1
Left: -292.561+/-393.140 χ²/NDF: 13.2/5
Right: 365.251+/-287.260 χ²/NDF: 41.0/34
In: -37.317+/-353.684 χ²/NDF:27.0/17
Out: 267.286+/-307.228 χ²/NDF:28.6/22
All: 136.290+/-231.941 χ²/NDF: 56.0/40

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: 814.306+/-0.344 χ^2/NDF:112551.3/3

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: 830.396+/-0.278 χ^2/NDF: 231353.6/5

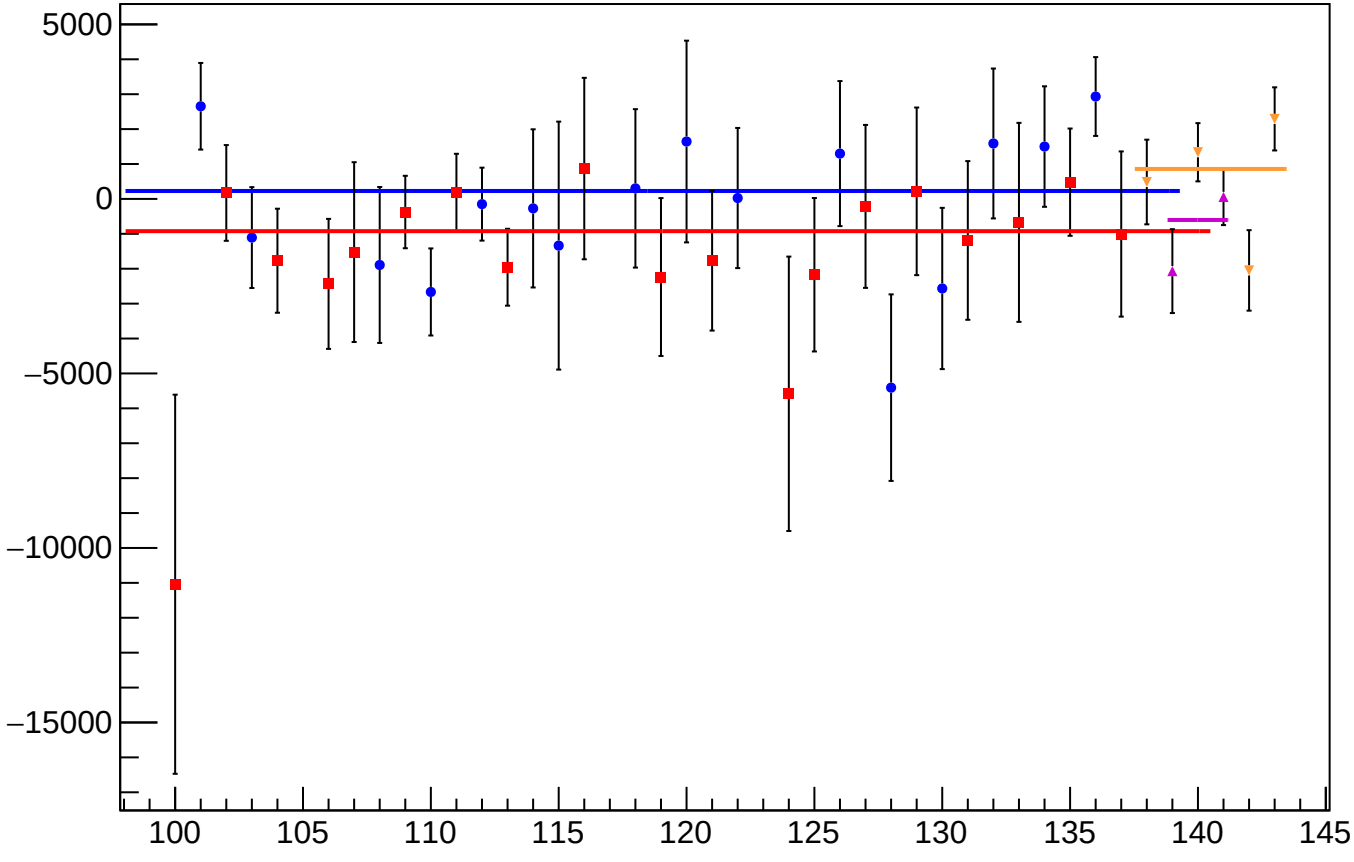
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 1013.700+/-0.250 χ^2/NDF:1335749.2/17

Out: 946.707+/-0.217 χ^2/NDF:1588288.3/22

All: 975.518+/-0.164 χ^2/NDF: 2964934.4/40

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 858.707+/-494.353 χ^2/NDF:9.3/3

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: 343.369+/-397.787 χ^2/NDF: 14.5/5

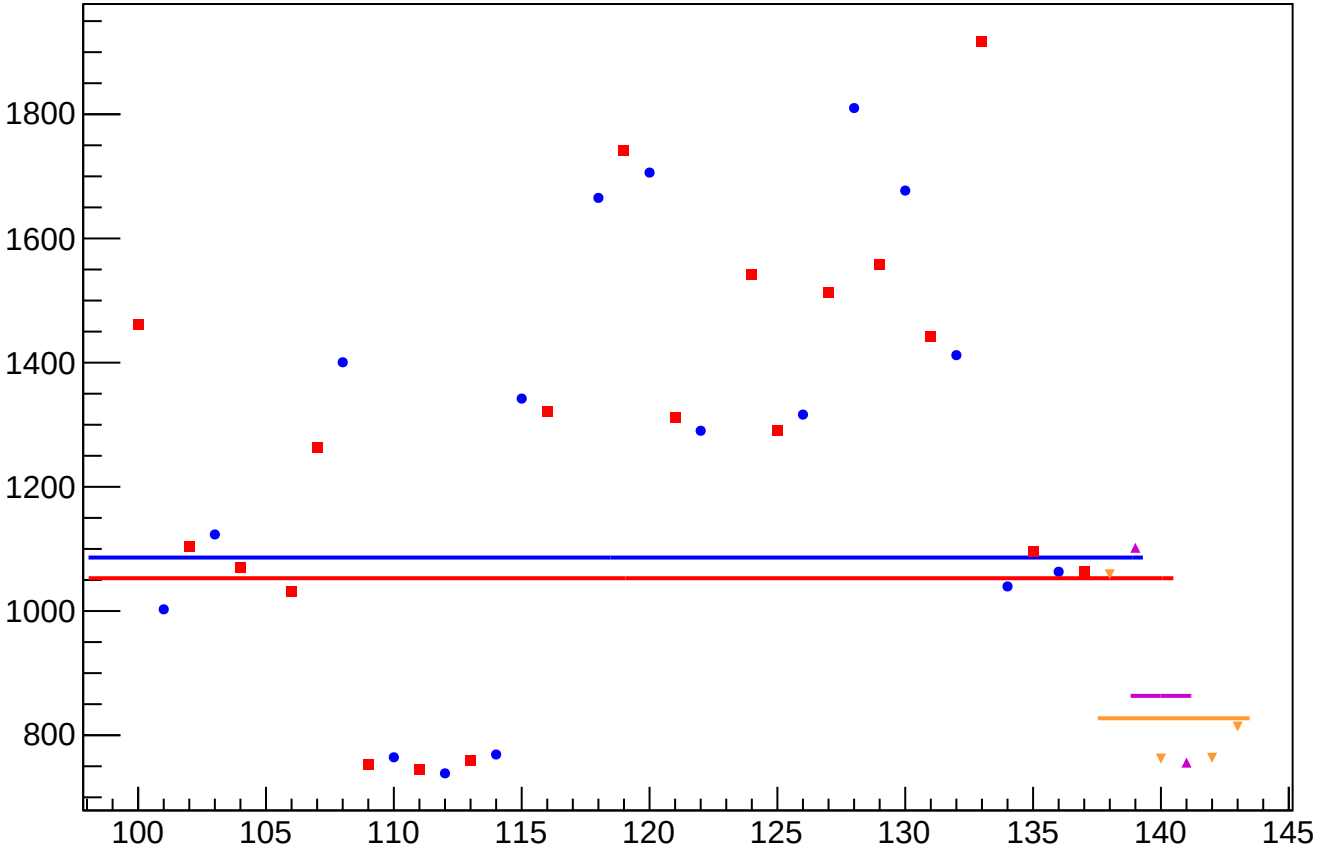
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -8.315+/-356.972 χ^2/NDF:27.7/17

Out: -211.843+/-312.407 χ^2/NDF:28.3/22

All: -123.569+/-235.092 χ^2/NDF: 56.2/40

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 827.303+/-0.350 χ^2/NDF:91814.6/3

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 863.425+/-0.474 χ^2/NDF:114203.6/1

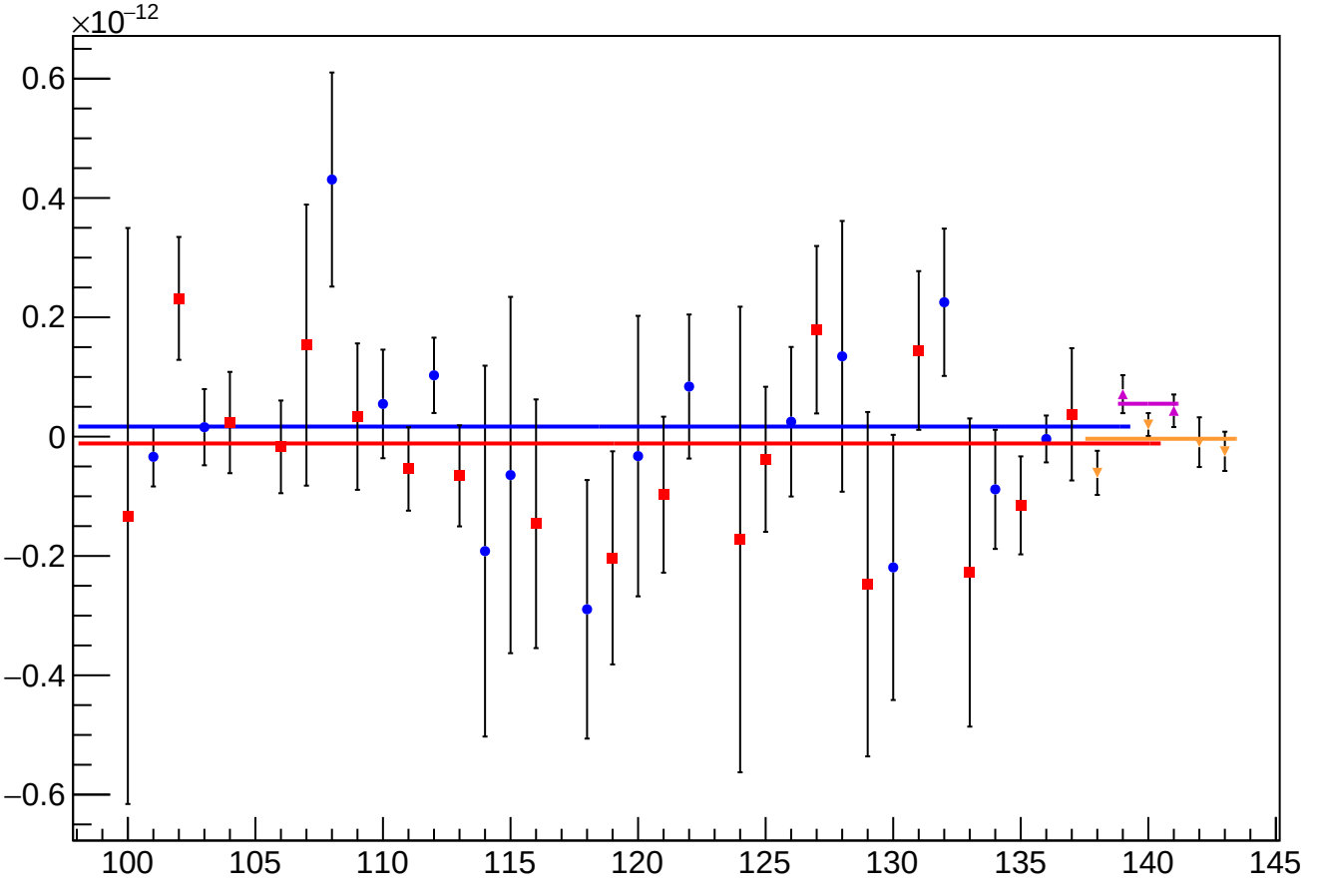
Left: 840.037+/-0.281 χ^2/NDF: 209782.5/5

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 1022.911+/-0.252 χ^2/NDF:1319946.3/17

Out: 962.764+/-0.221 χ^2/NDF:1536250.5/22

All: 988.851+/-0.166 χ^2/NDF: 2888350.4/40



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

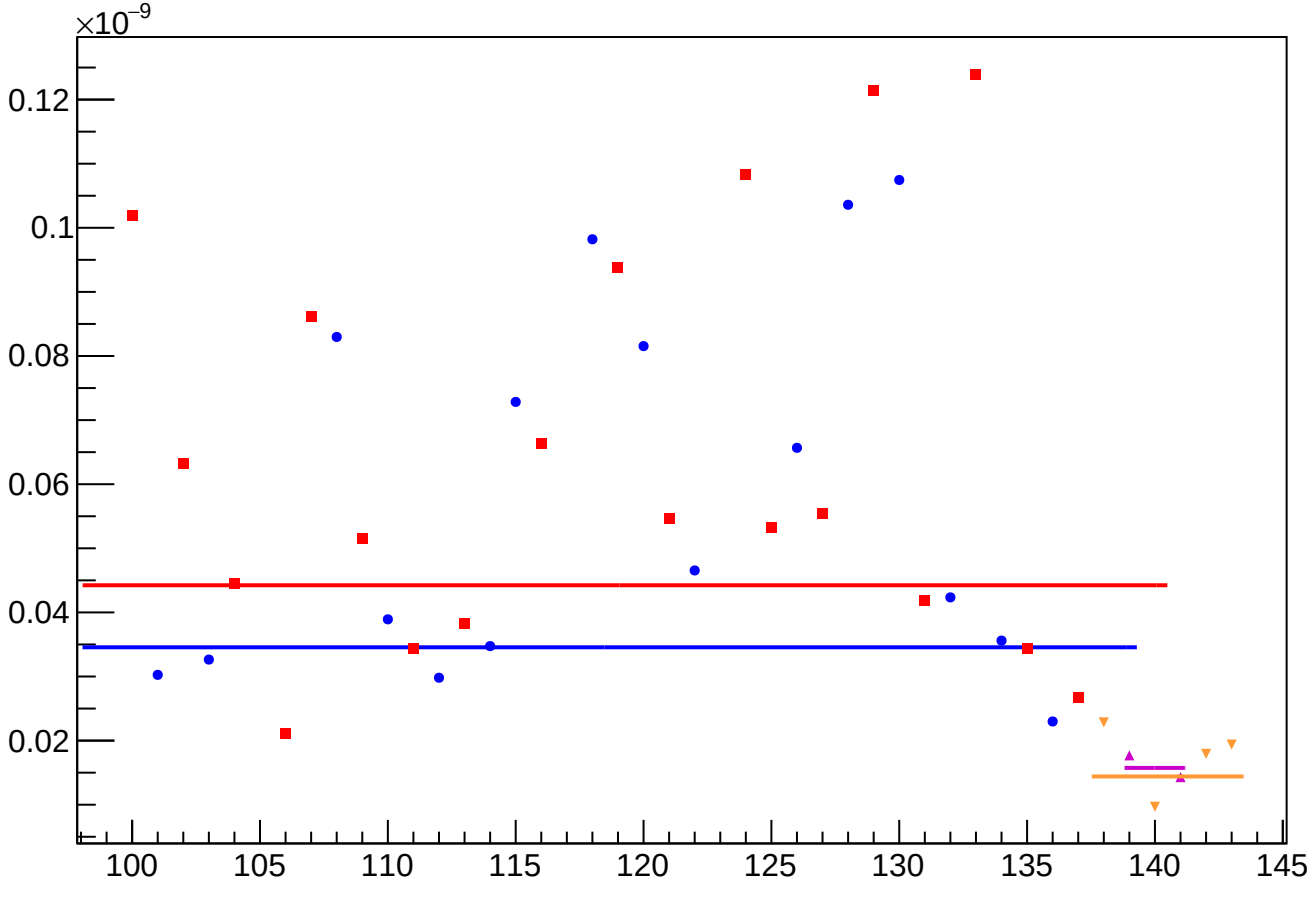
Left: 0.000+/-0.000 χ^2/NDF: 10.2/5

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:20.2/22

All: 0.000+/-0.000 χ^2/NDF: 43.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:284726.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13115.9/1

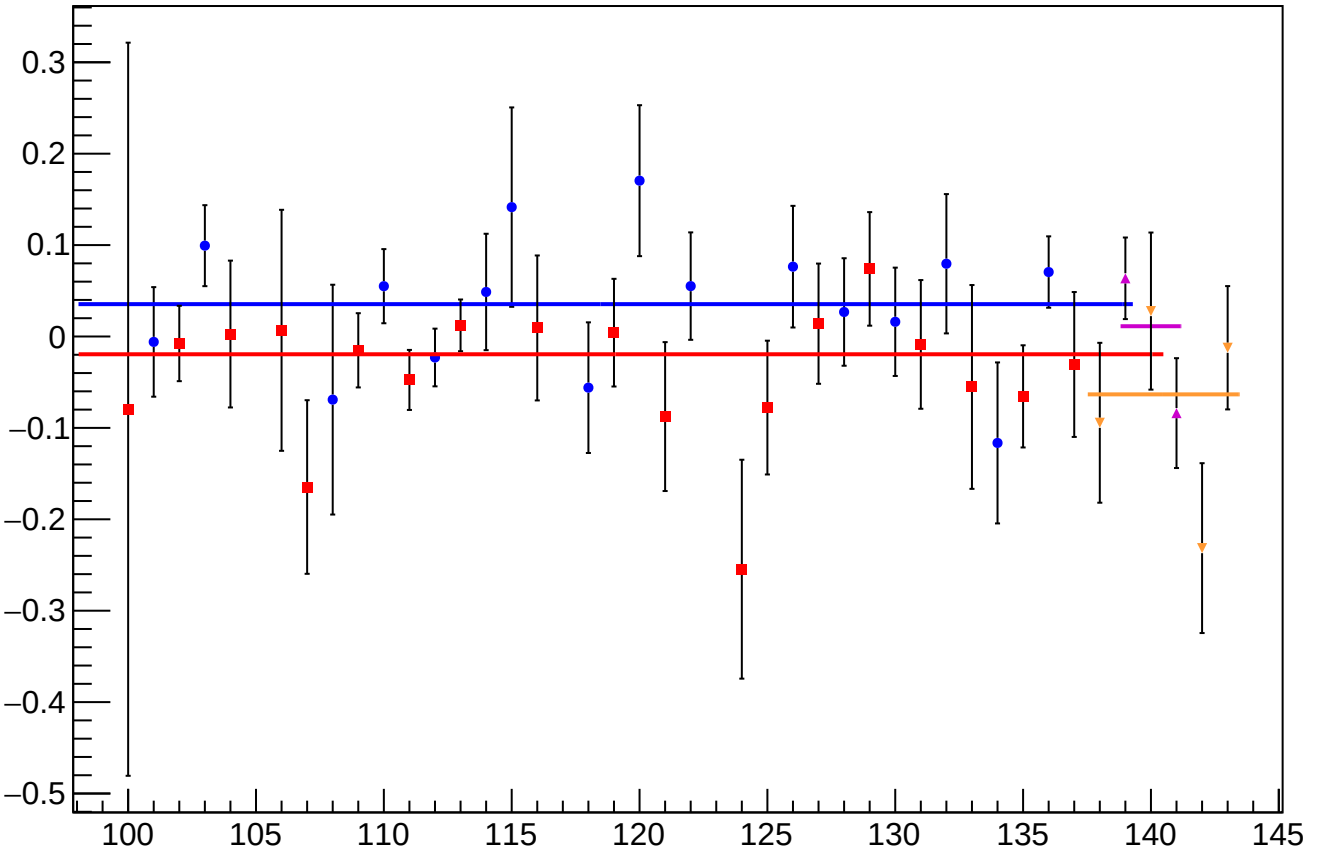
Left: 0.000+/-0.000 χ^2/NDF: 303494.0/5

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:3279975.3/22

All: 0.000+/-0.000 χ^2/NDF: 5336380.7/40



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

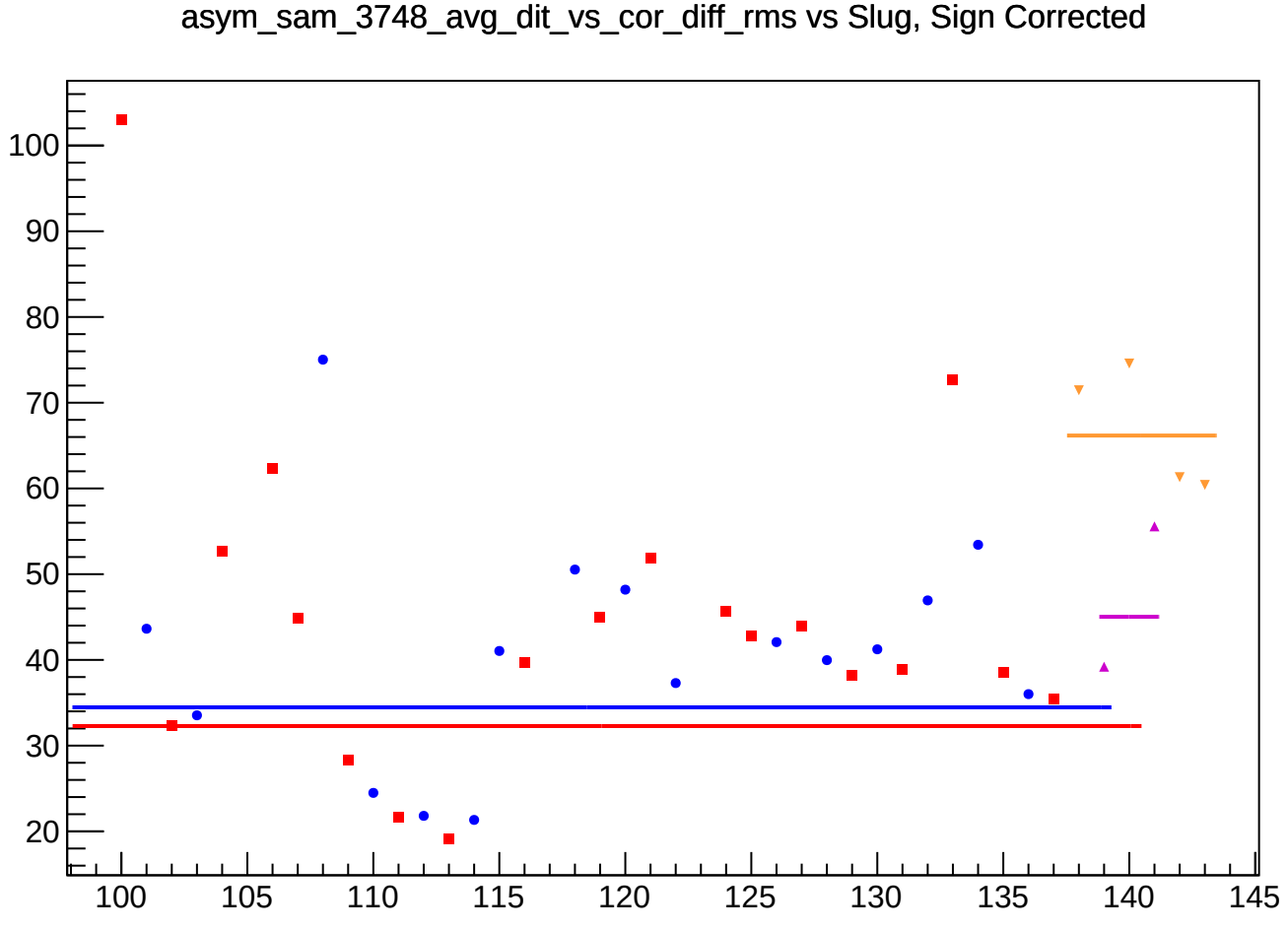
Left: -0.021+/-0.027 χ^2/NDF: 10.9/5

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.4/40


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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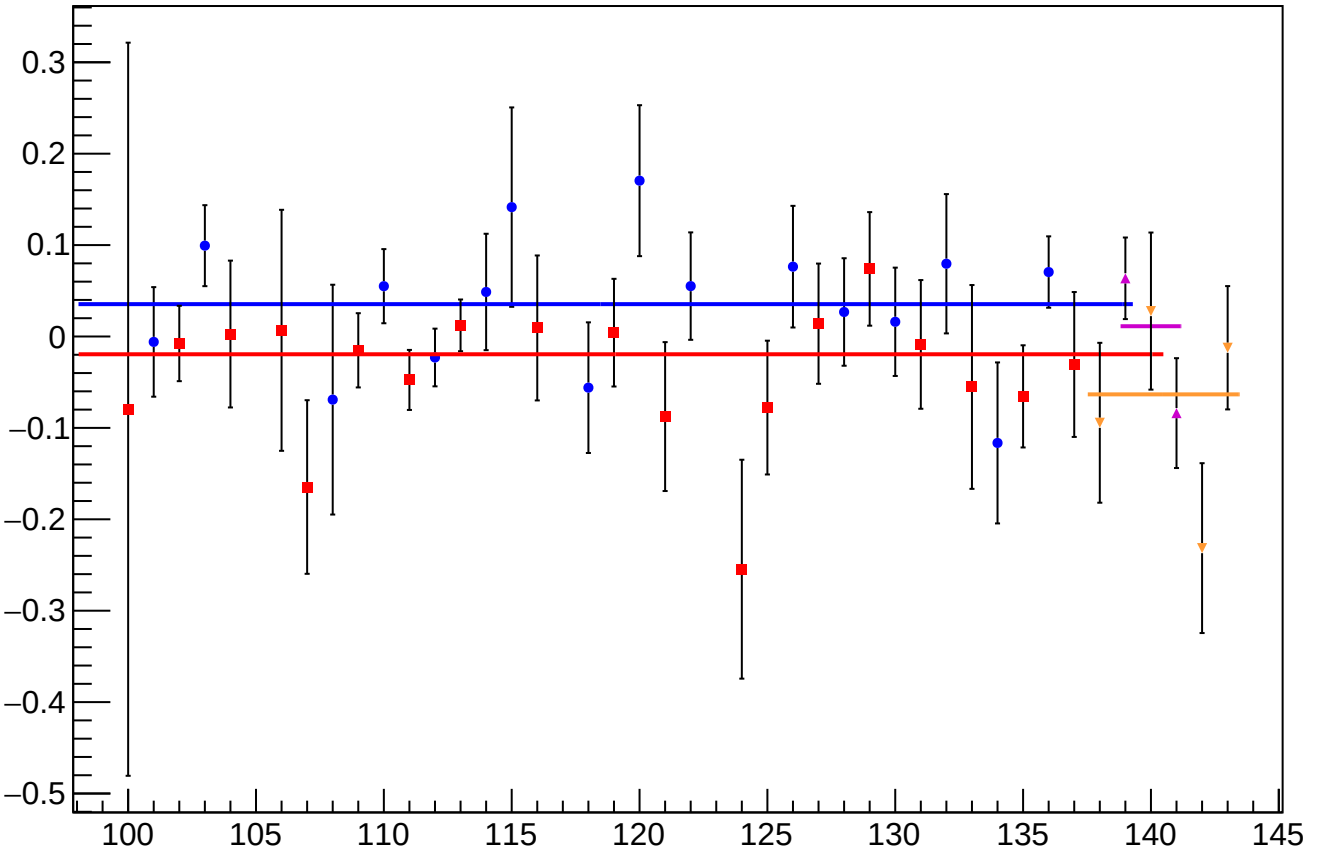
140
145
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 66.170+/-0.029 χ²/NDF:46454.4/3
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 45.026+/-0.025 χ²/NDF:95642.1/1
Left: 54.240+/-0.019 χ²/NDF: 445672.4/5
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 35.848+/-0.009 χ²/NDF:1417850.4/17
Out: 35.467+/-0.009 χ²/NDF:2971208.3/22
All: 35.650+/-0.006 χ²/NDF: 4389956.9/40



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

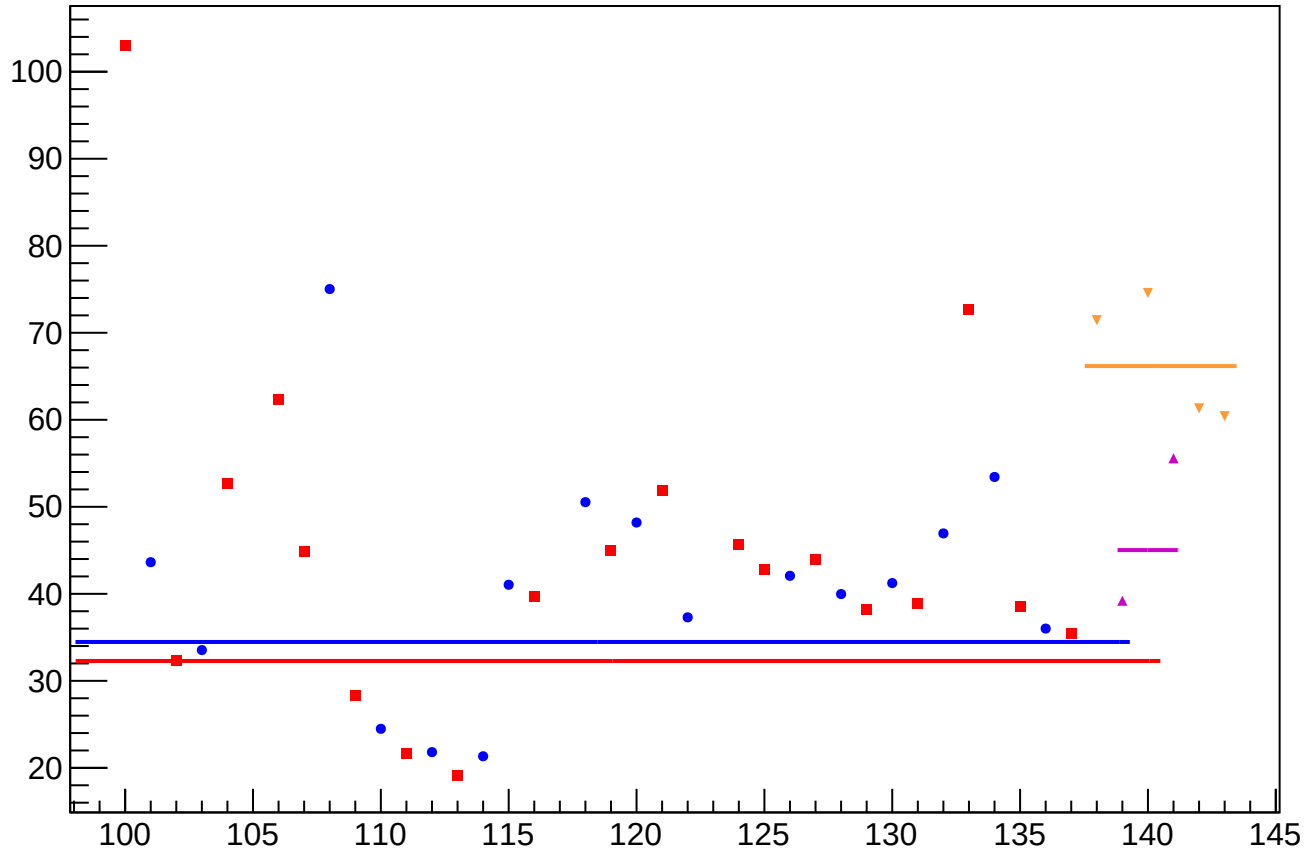
Left: -0.021+/-0.027 χ^2/NDF: 10.9/5

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.4/40



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 66.170+/-0.029 χ^2/NDF:46454.4/3

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.026+/-0.025 χ^2/NDF:95642.1/1

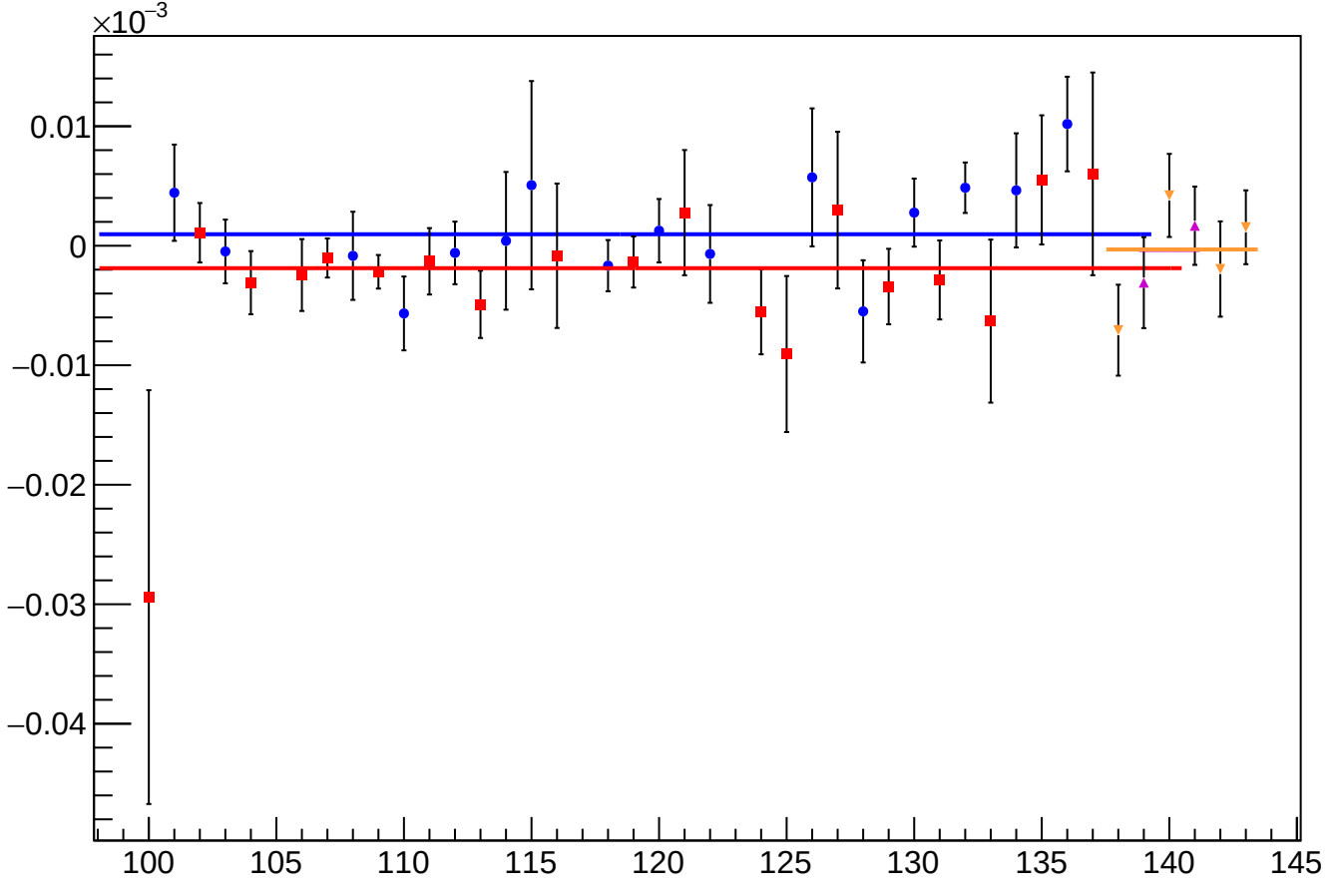
Left: 54.240+/-0.019 χ^2/NDF: 445672.4/5

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 35.848+/-0.009 χ^2/NDF:1417850.4/17

Out: 35.467+/-0.009 χ^2/NDF:2971208.3/22

All: 35.650+/-0.006 χ^2/NDF: 4389956.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/1

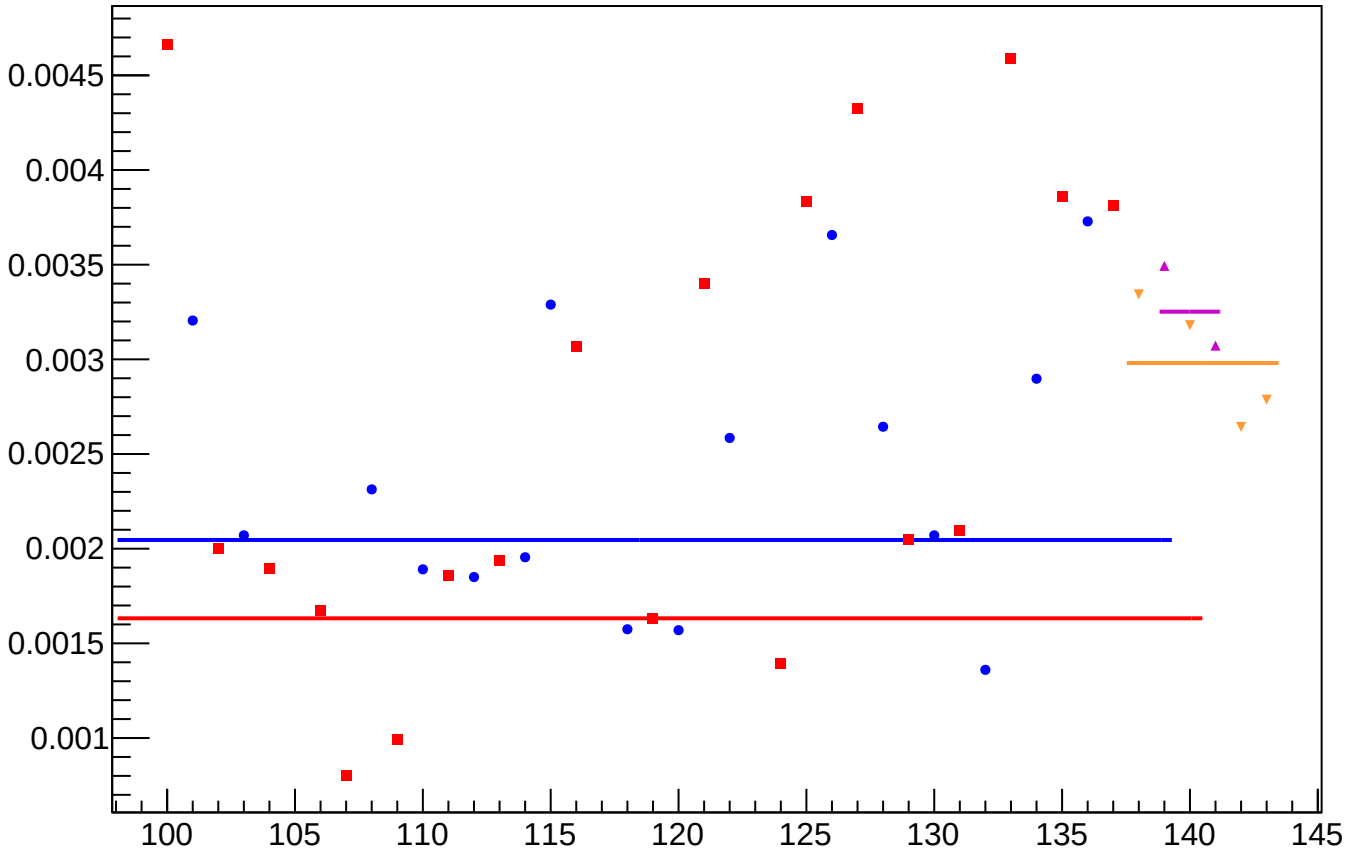
Left: -0.000+/-0.000 χ^2/NDF: 6.3/5

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:18.9/22

All: -0.000+/-0.000 χ^2/NDF: 47.5/40



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:46933.5/3

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.003+/-0.000 χ^2/NDF:14060.4/1

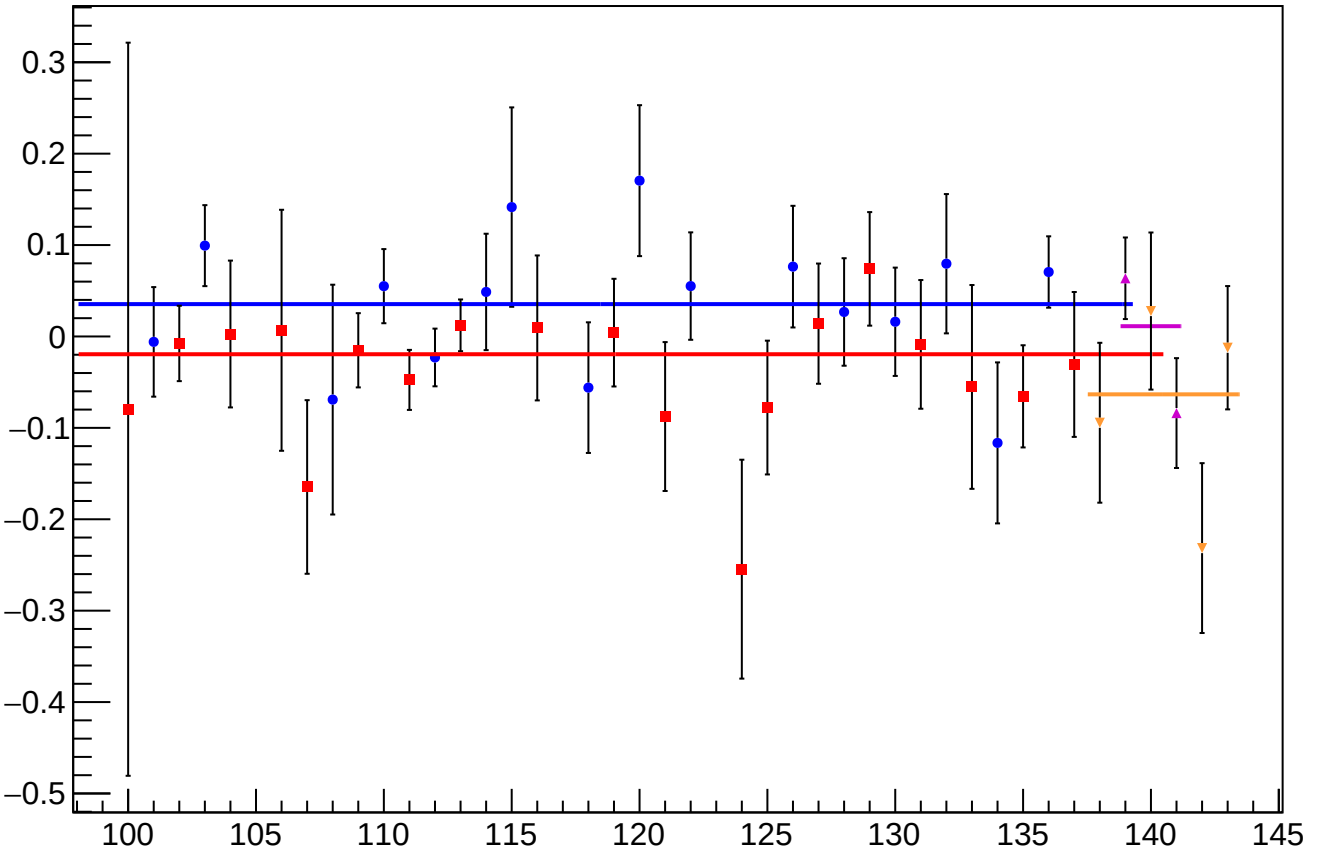
Left: 0.003+/-0.000 χ^2/NDF: 76796.9/5

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:1700787.5/17

Out: 0.002+/-0.000 χ^2/NDF:3991466.9/22

All: 0.002+/-0.000 χ^2/NDF: 5955837.0/40



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

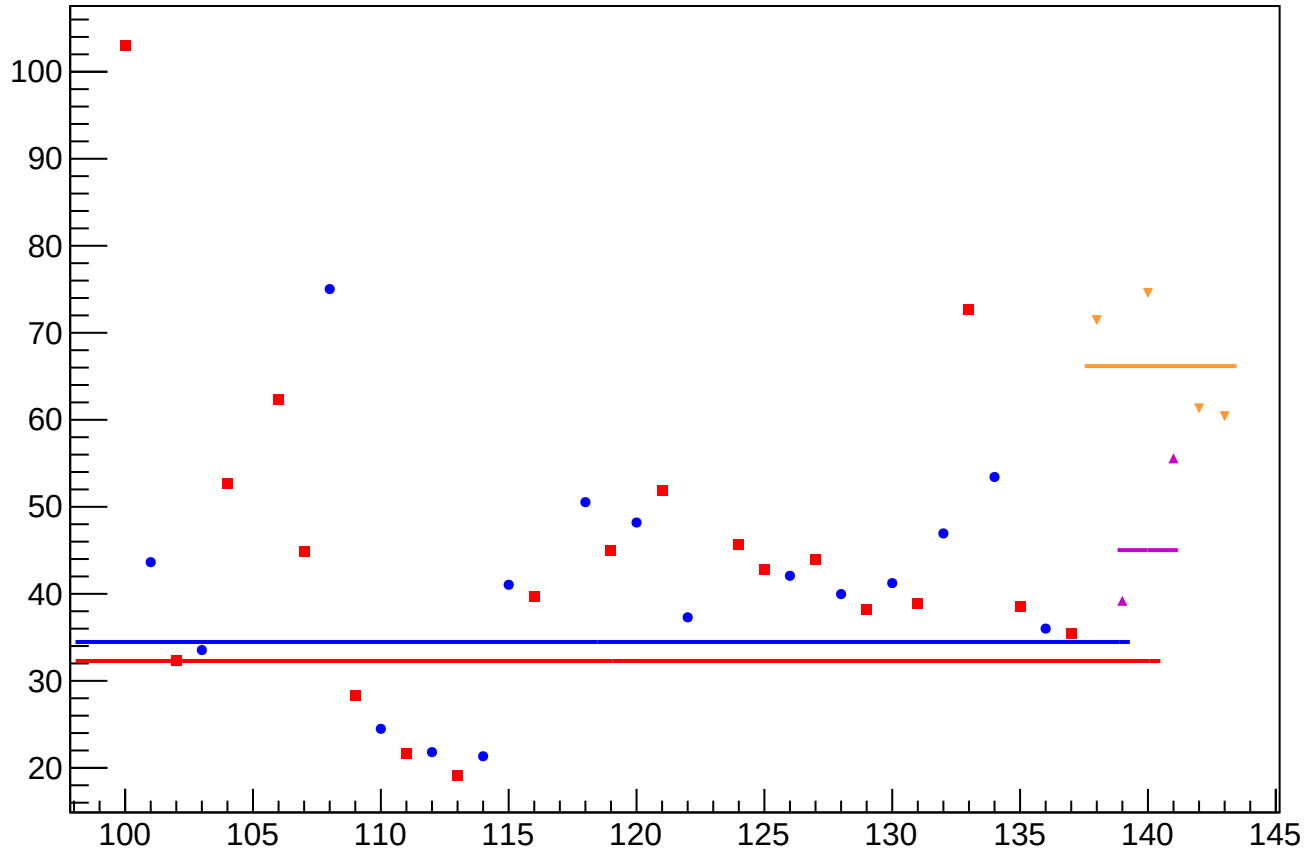
Left: -0.021+/-0.027 χ^2/NDF: 10.9/5

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.4/40



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 66.171+/-0.029 χ^2/NDF:46449.7/3

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 45.026+/-0.025 χ^2/NDF:95652.8/1

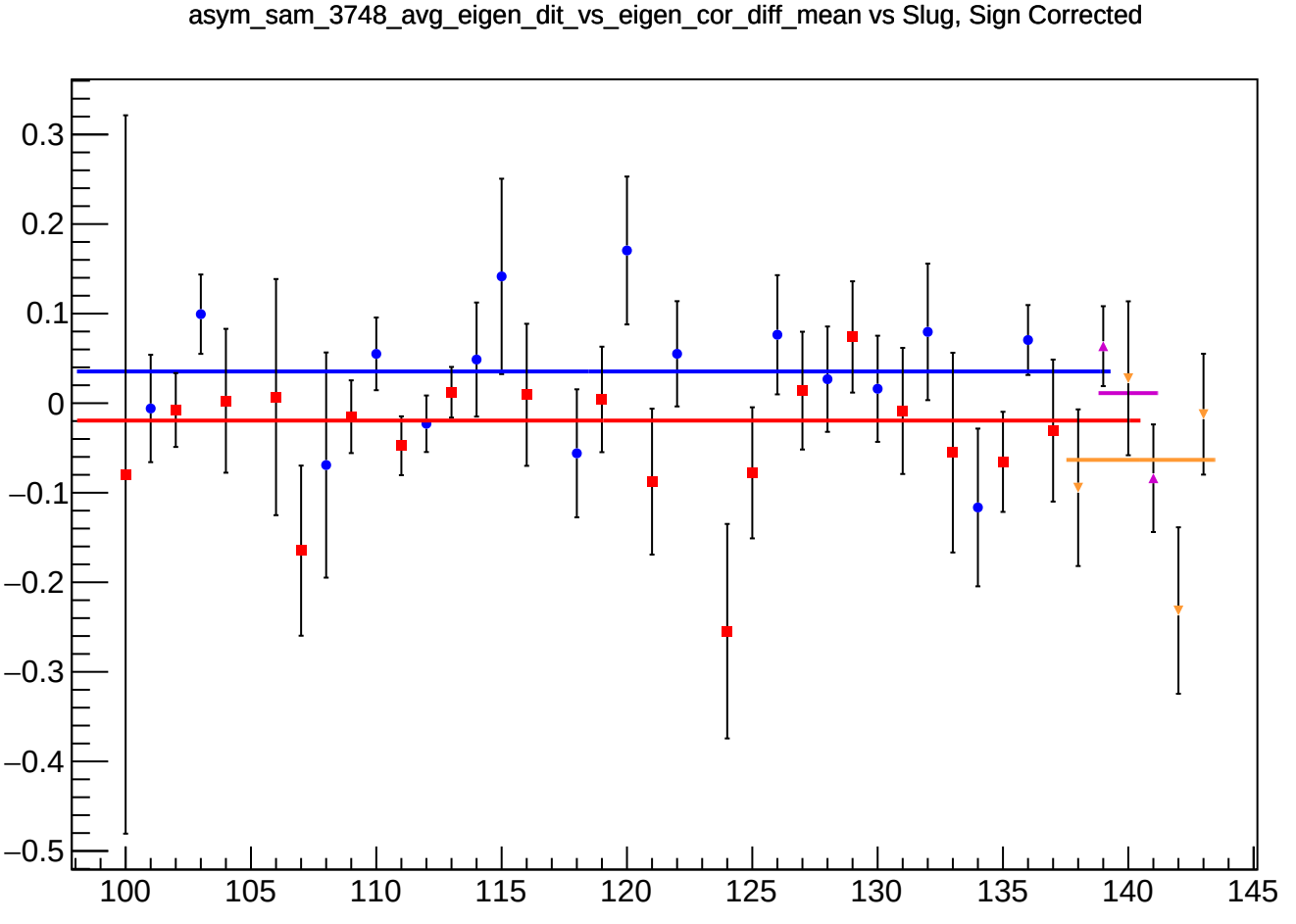
Left: 54.241+/-0.019 χ^2/NDF: 445693.1/5

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 35.848+/-0.009 χ^2/NDF:1417806.5/17

Out: 35.467+/-0.009 χ^2/NDF:2971171.7/22

All: 35.651+/-0.006 χ^2/NDF: 4389876.0/40



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.063+/-0.041 χ^2/NDF:5.1/3

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.036 χ^2/NDF:3.9/1

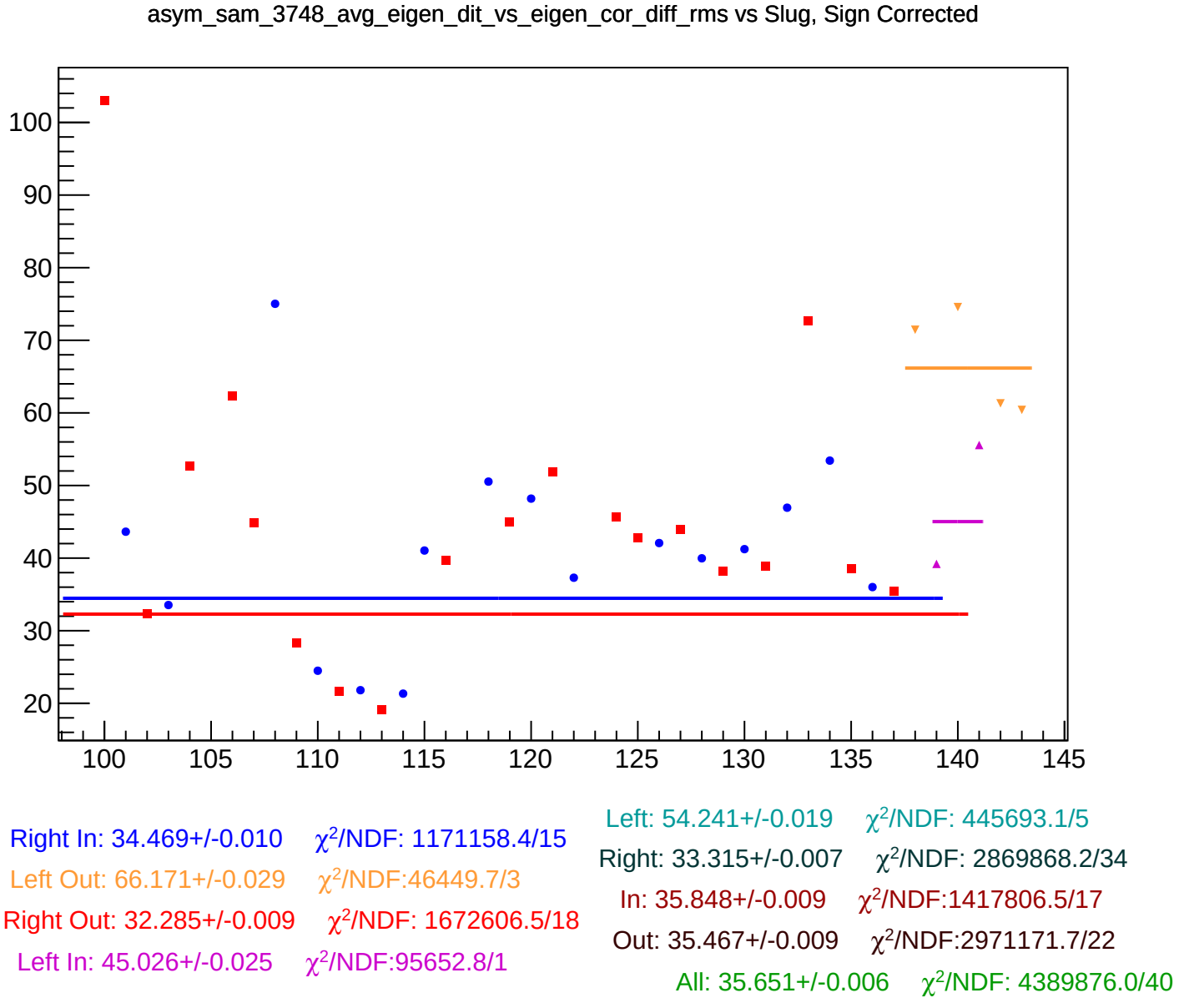
Left: -0.021+/-0.027 χ^2/NDF: 10.9/5

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.032+/-0.013 χ^2/NDF:21.2/17

Out: -0.024+/-0.012 χ^2/NDF:19.5/22

All: 0.003+/-0.009 χ^2/NDF: 50.4/40


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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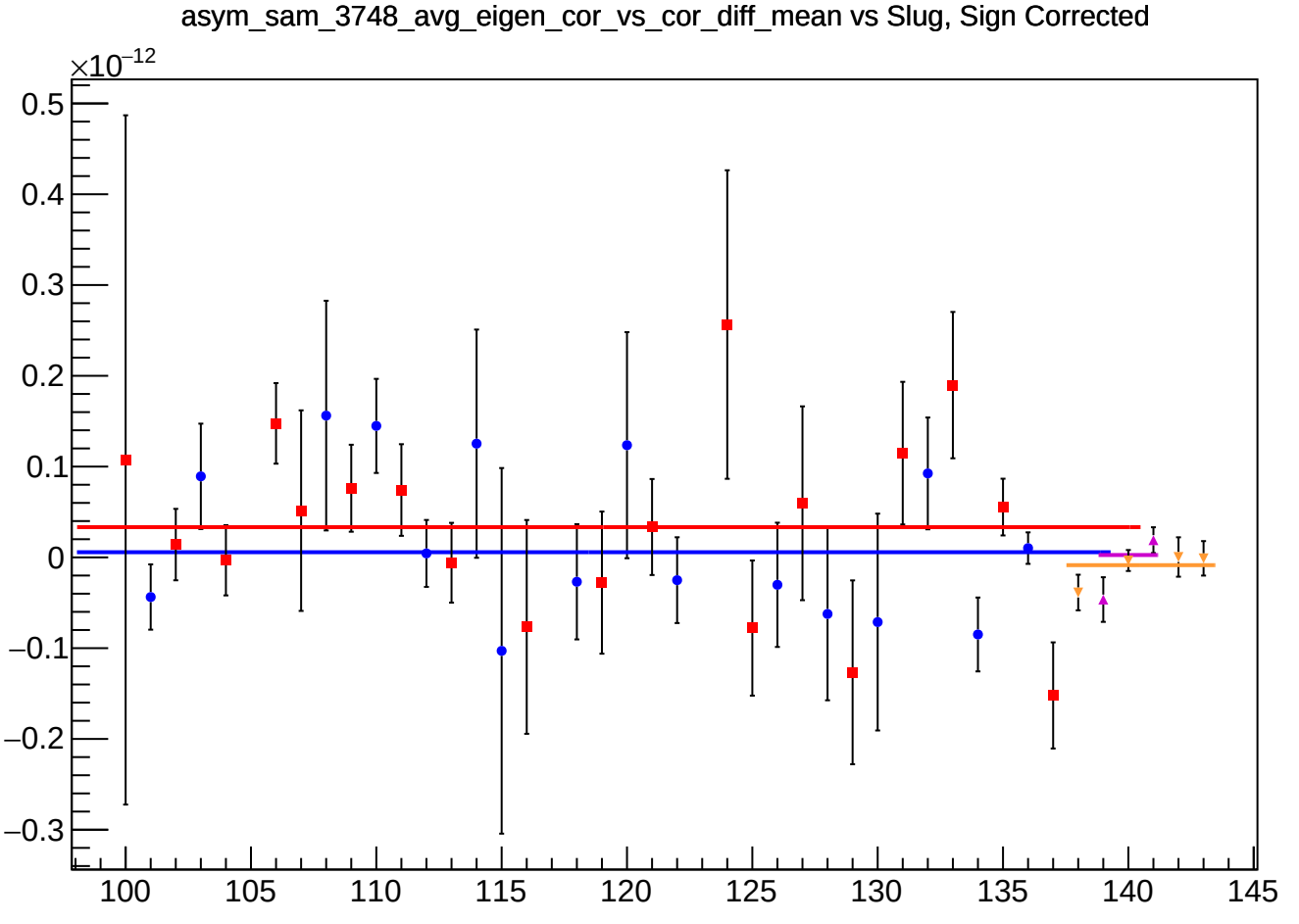
Right In: 34.469+/-0.010 χ2/NDF: 1171158.4/15
Left Out: 66.171+/-0.029 χ2/NDF:46449.7/3
Right Out: 32.285+/-0.009 χ2/NDF: 1672606.5/18
Left In: 45.026+/-0.025 χ2/NDF:95652.8/1
Left: 54.241+/-0.019 χ2/NDF: 445693.1/5
Right: 33.315+/-0.007 χ2/NDF: 2869868.2/34
In: 35.848+/-0.009 χ2/NDF:1417806.5/17
Out: 35.467+/-0.009 χ2/NDF:2971171.7/22
All: 35.651+/-0.006 χ2/NDF: 4389876.0/40


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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0.4
0.3
0.2
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−0.1
−0.2
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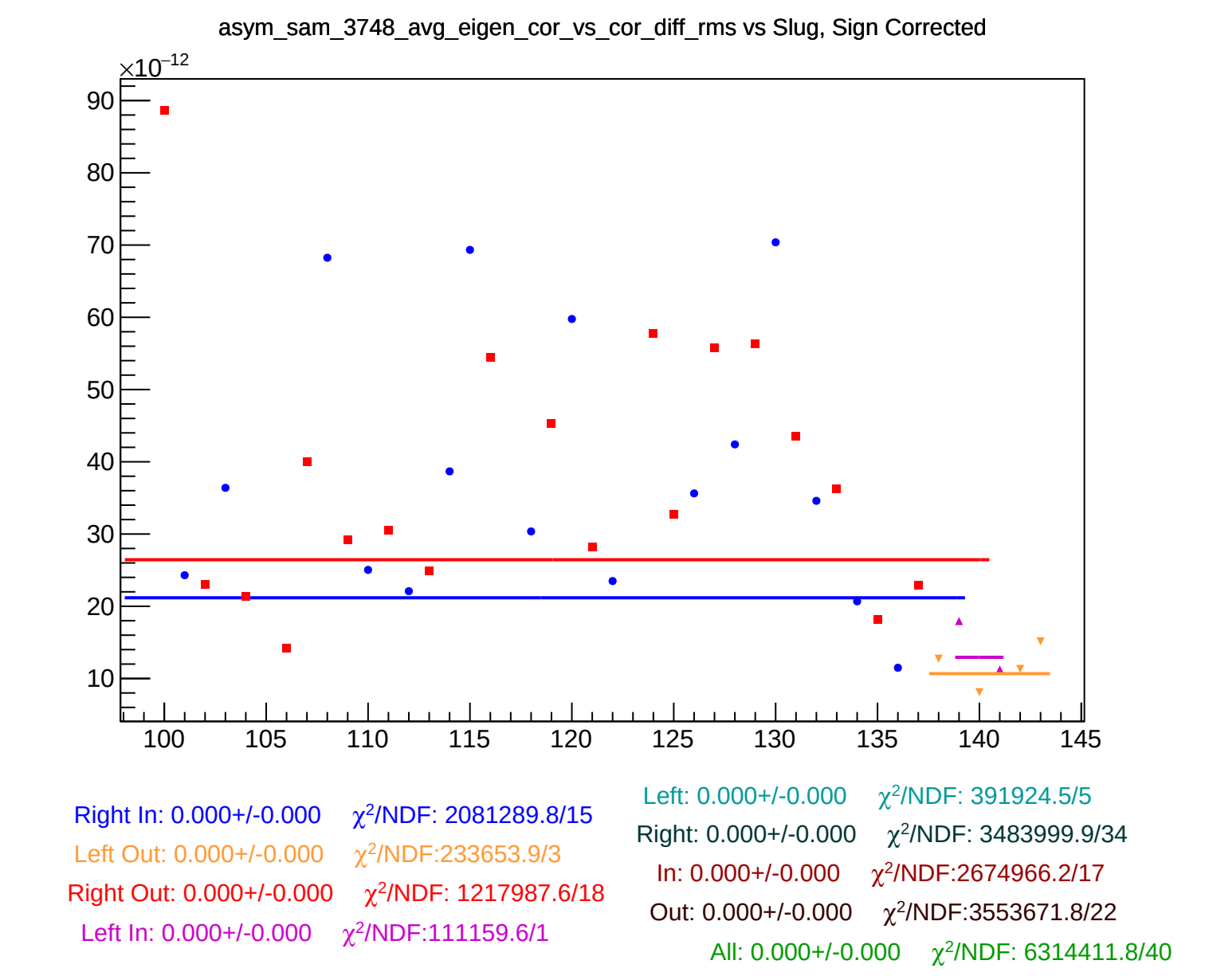
145
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:2.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:5.3/1
Left: -0.000+/-0.000 χ²/NDF: 8.8/5
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:28.9/17
Out: 0.000+/-0.000 χ²/NDF:43.8/22
All: 0.000+/-0.000 χ²/NDF: 72.7/40


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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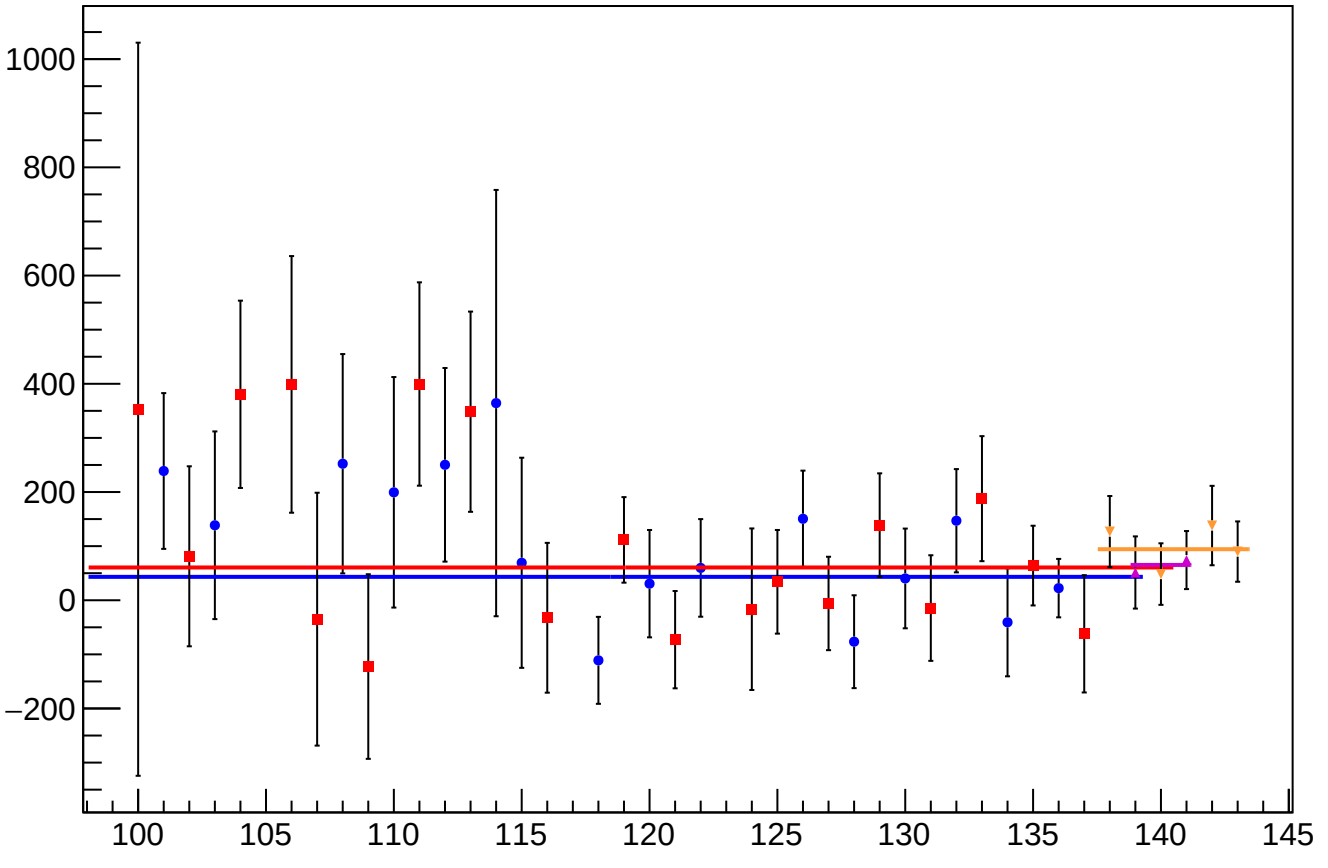
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:233653.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:111159.6/1
Left: 0.000+/-0.000 χ²/NDF: 391924.5/5
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:2674966.2/17
Out: 0.000+/-0.000 χ²/NDF:3553671.8/22
All: 0.000+/-0.000 χ²/NDF: 6314411.8/40



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.332+/-30.890 χ^2/NDF:1.3/3

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: 84.060+/-24.843 χ^2/NDF: 1.6/5

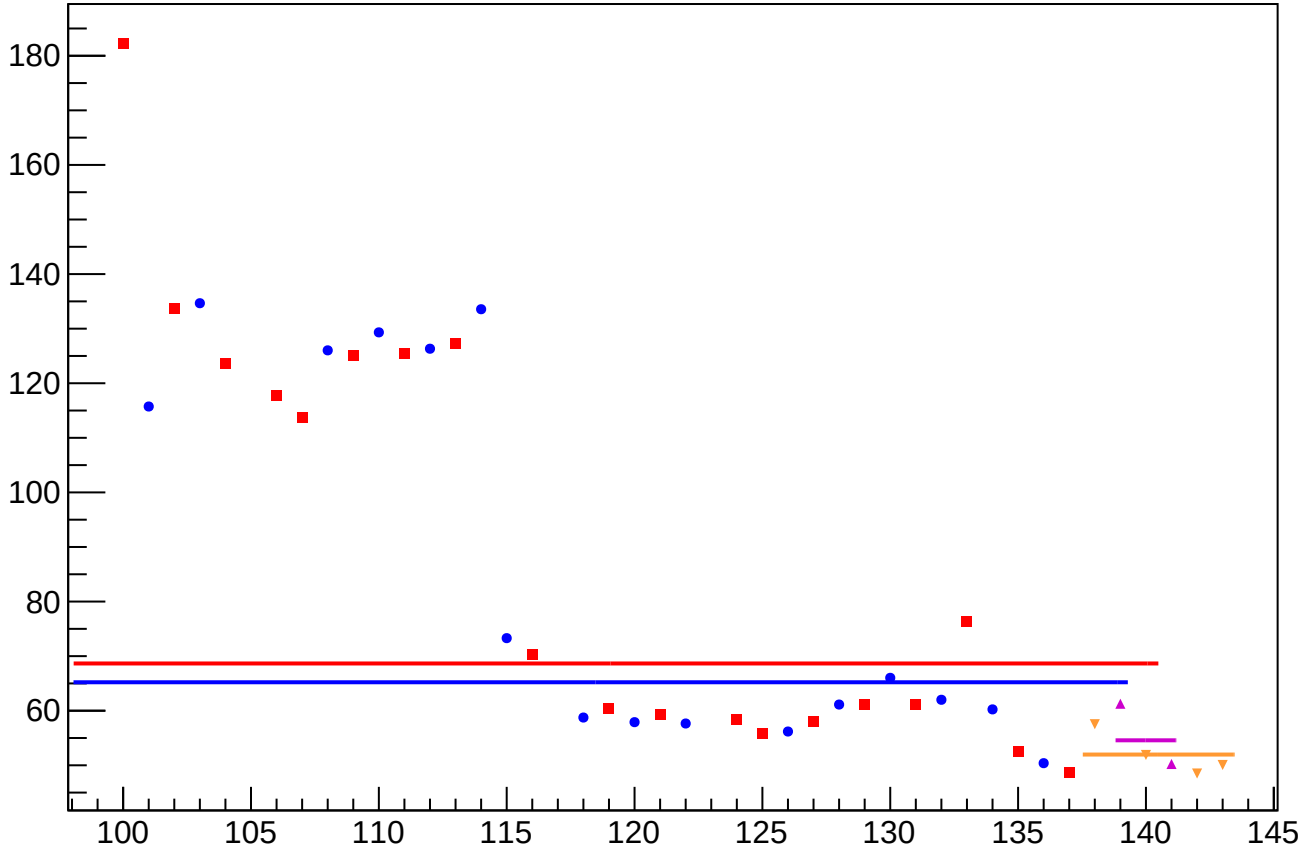
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 49.309+/-21.943 χ^2/NDF:15.2/17

Out: 75.135+/-20.284 χ^2/NDF:22.4/22

All: 63.235+/-14.895 χ^2/NDF: 38.3/40

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.7/3

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: 52.890+/-0.018 χ^2/NDF: 59411.4/5

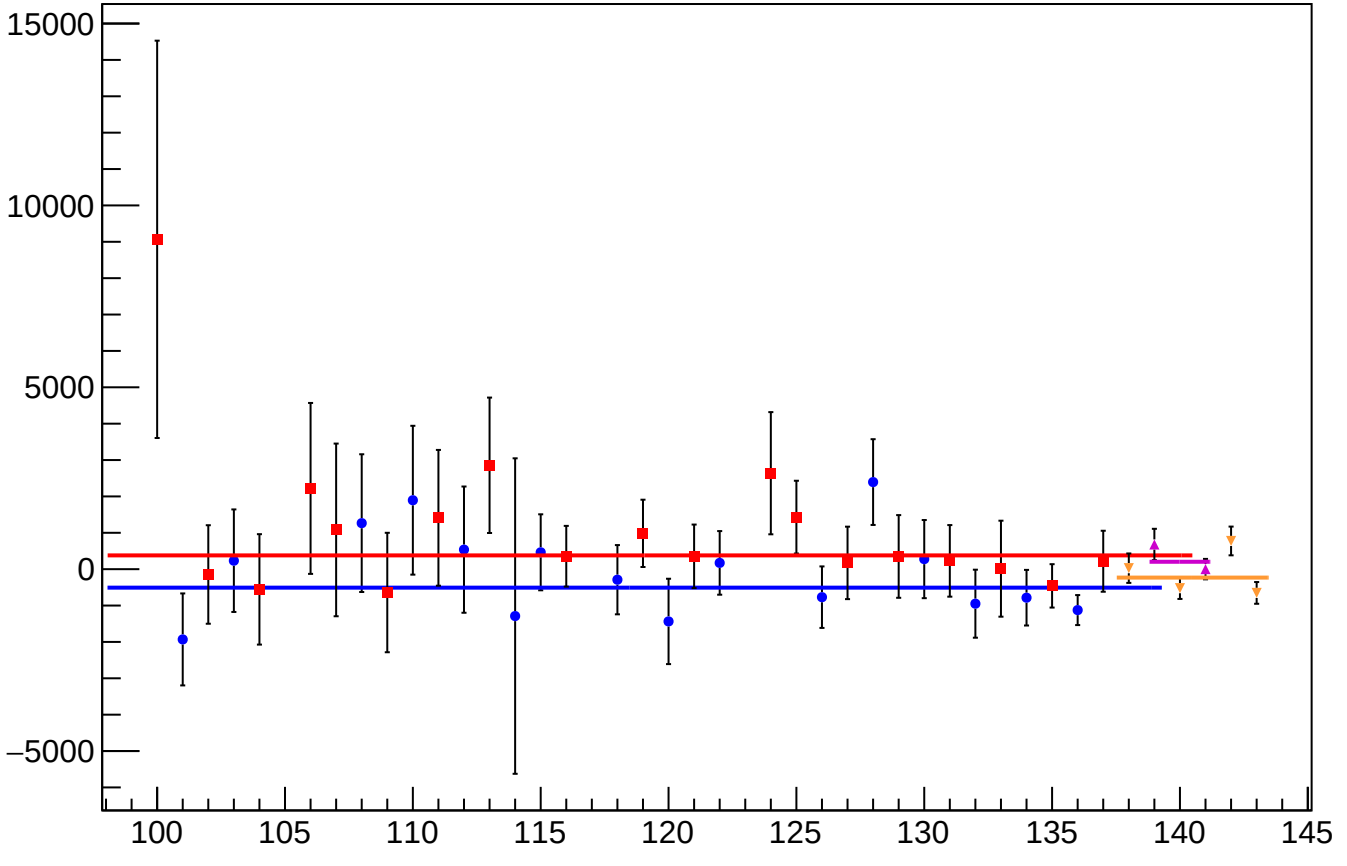
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 62.282+/-0.016 χ^2/NDF:1573527.3/17

Out: 61.461+/-0.014 χ^2/NDF:1994025.0/22

All: 61.839+/-0.011 χ^2/NDF: 3569063.2/40

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.391+/-168.690 χ^2/NDF:9.9/3

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: -83.915+/-137.135 χ^2/NDF: 13.8/5

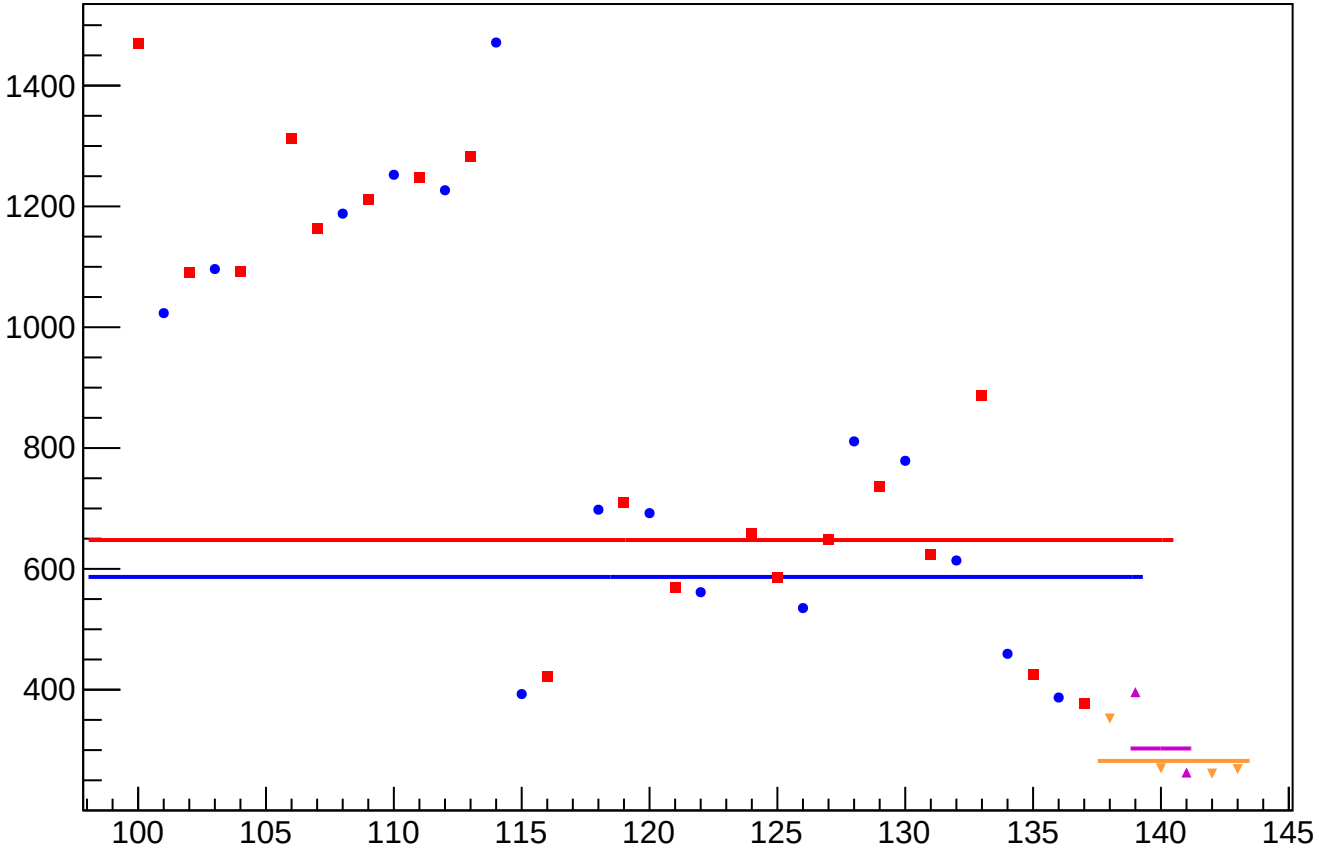
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -150.029+/-167.028 χ^2/NDF:21.9/17

Out: -47.037+/-140.926 χ^2/NDF:25.5/22

All: -89.866+/-107.710 χ^2/NDF: 47.7/40

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 282.109+/-0.119 χ^2/NDF:73339.6/3

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 302.662+/-0.167 χ^2/NDF:133675.7/1

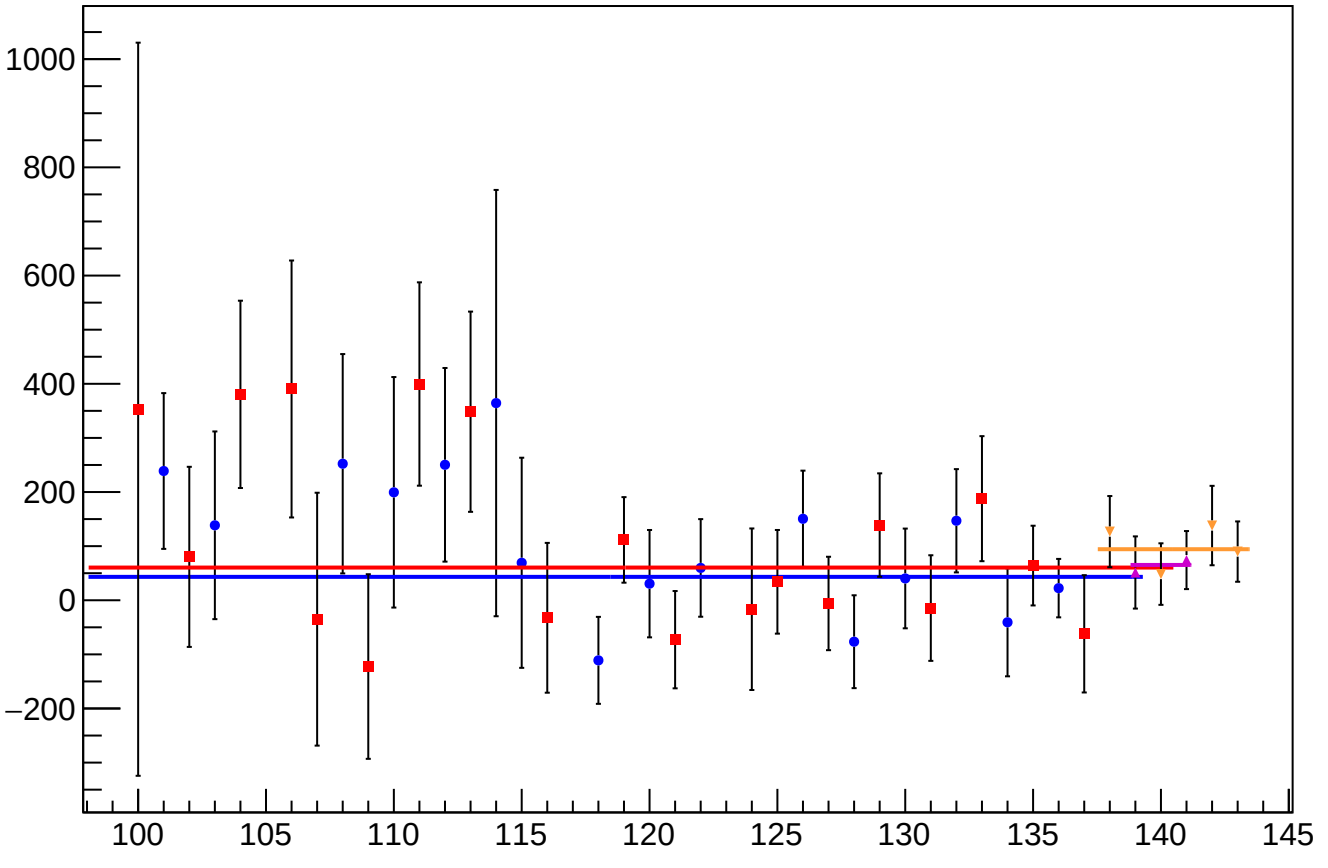
Left: 289.079+/-0.097 χ^2/NDF: 217083.9/5

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 443.778+/-0.118 χ^2/NDF:3632124.1/17

Out: 392.557+/-0.100 χ^2/NDF:5017242.5/22

All: 413.857+/-0.076 χ^2/NDF: 8759232.3/40



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.335+/-30.890 χ^2/NDF:1.3/3

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 65.256+/-41.803 χ^2/NDF:0.1/1

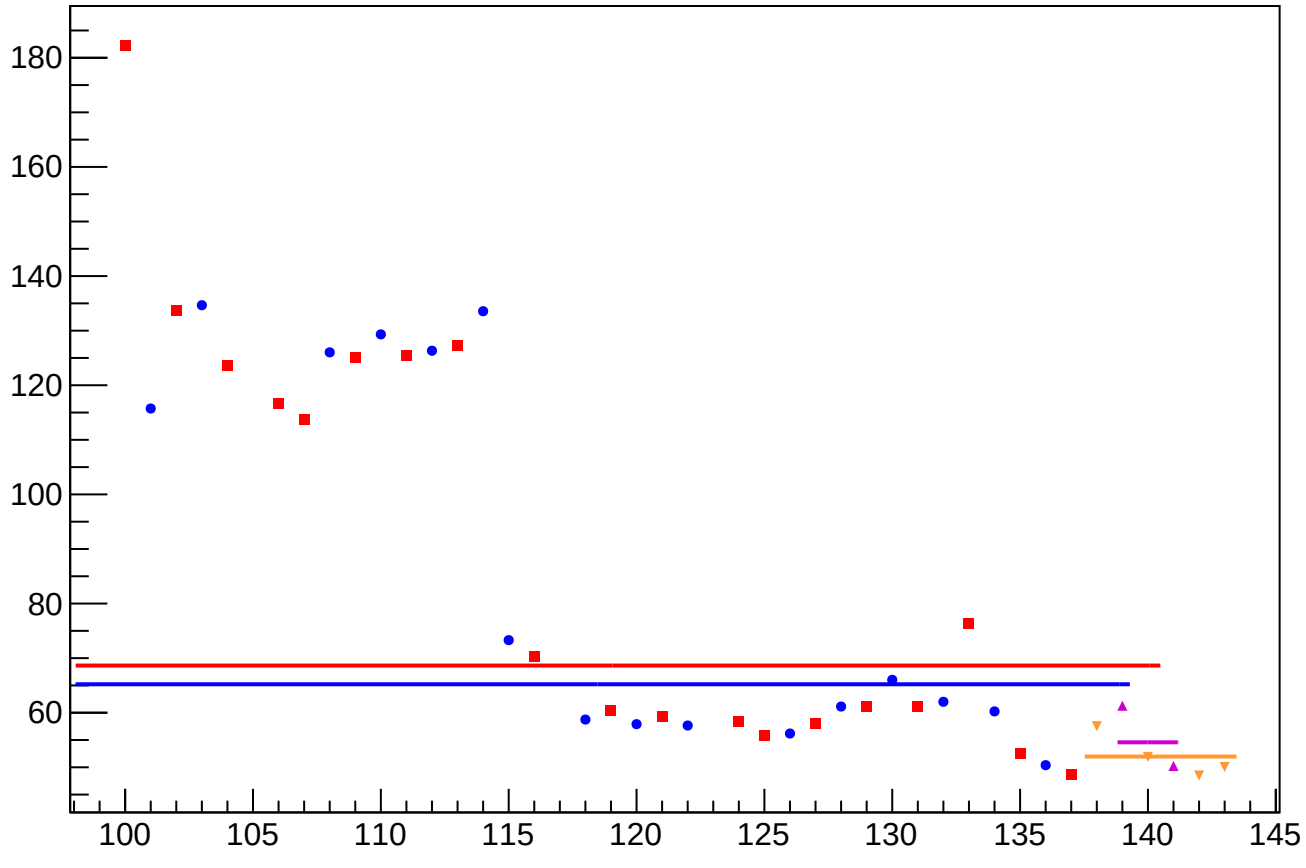
Left: 84.065+/-24.843 χ^2/NDF: 1.6/5

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 49.306+/-21.943 χ^2/NDF:15.2/17

Out: 75.051+/-20.284 χ^2/NDF:22.2/22

All: 63.188+/-14.895 χ^2/NDF: 38.2/40



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.6/3

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 54.578+/-0.030 χ^2/NDF:33257.7/1

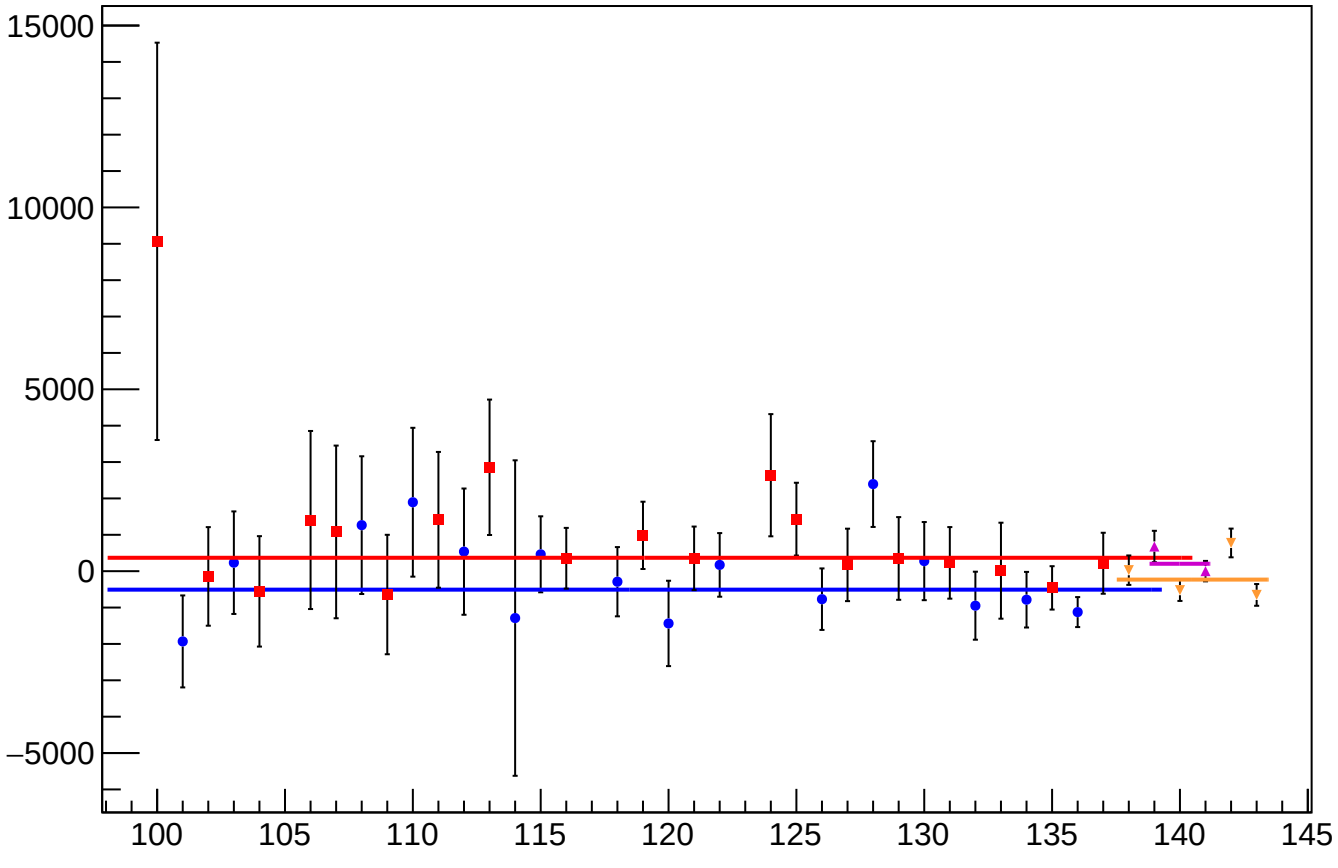
Left: 52.890+/-0.018 χ^2/NDF: 59411.4/5

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 62.282+/-0.016 χ^2/NDF:1573529.6/17

Out: 61.453+/-0.014 χ^2/NDF:1990101.2/22

All: 61.835+/-0.011 χ^2/NDF: 3565172.8/40



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -231.384+/-168.689 χ^2/NDF:9.9/3

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: -83.908+/-137.135 χ^2/NDF: 13.8/5

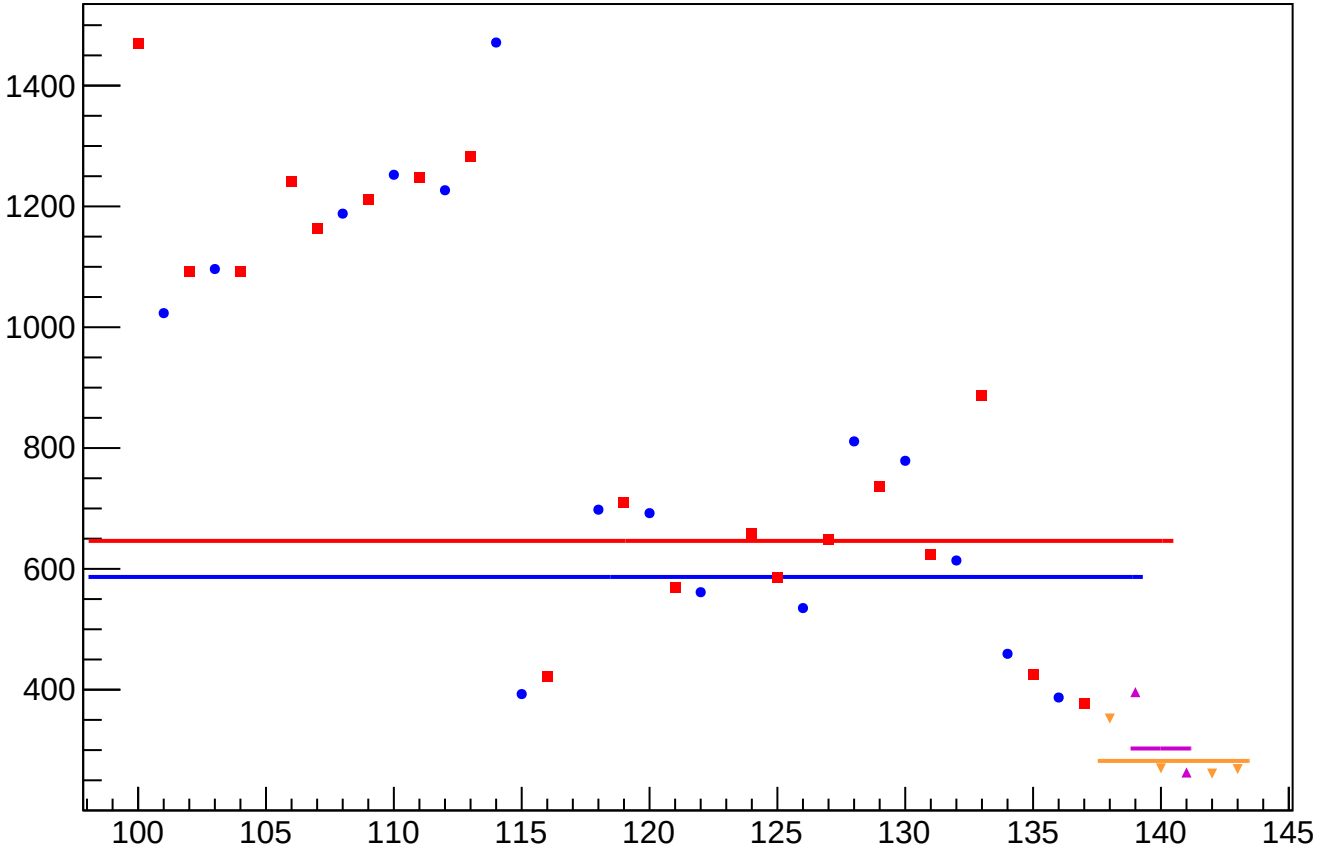
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -150.017+/-167.028 χ^2/NDF:21.9/17

Out: -50.347+/-140.947 χ^2/NDF:25.0/22

All: -91.801+/-107.719 χ^2/NDF: 47.1/40

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: 282.108+/-0.119 χ^2/NDF:73339.8/3

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 302.662+/-0.167 χ^2/NDF:133674.8/1

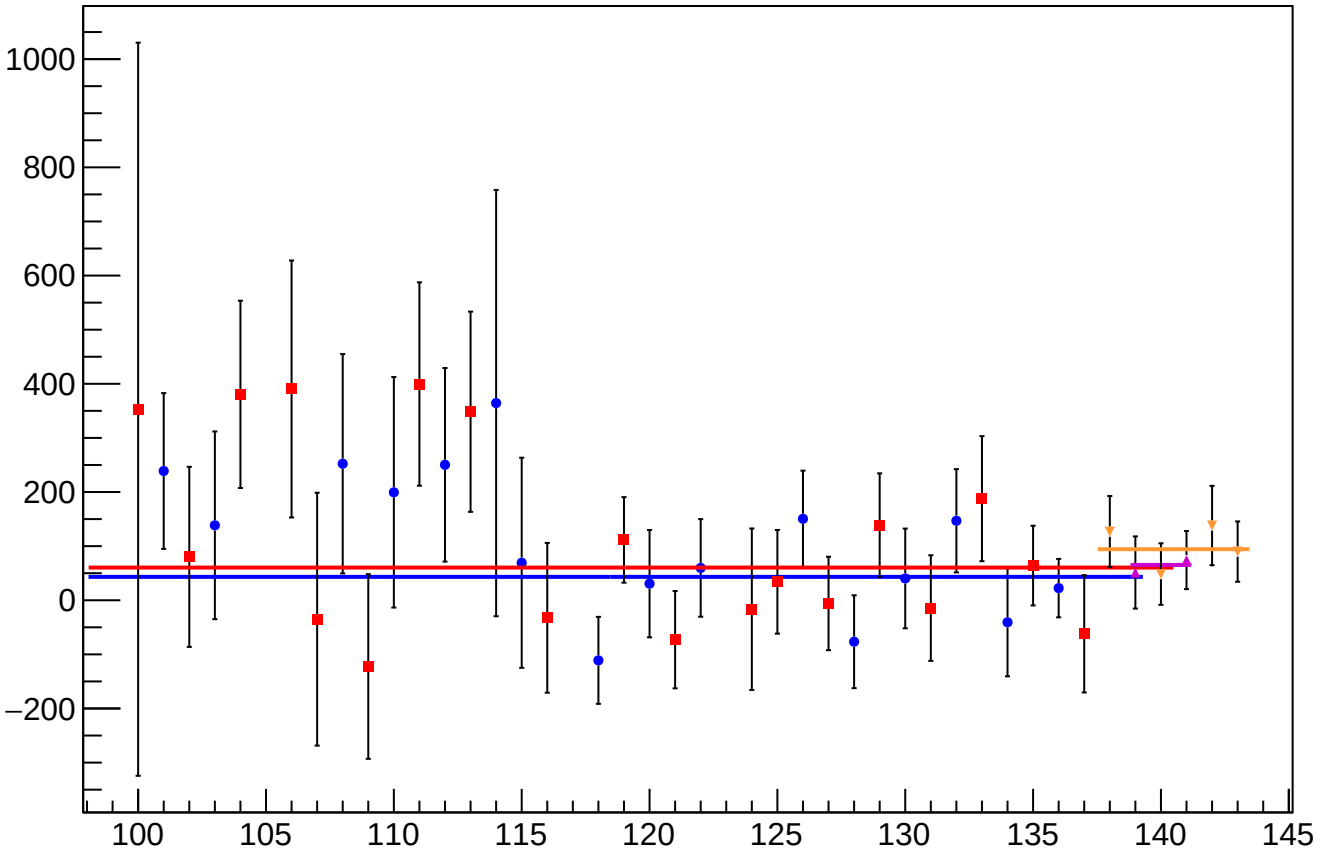
Left: 289.079+/-0.097 χ^2/NDF: 217083.7/5

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 443.777+/-0.118 χ^2/NDF:3632152.4/17

Out: 392.056+/-0.100 χ^2/NDF:4951033.2/22

All: 413.568+/-0.076 χ^2/NDF: 8695199.4/40



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 94.335+/-30.890 χ^2/NDF:1.3/3

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 65.256+/-41.803 χ^2/NDF:0.1/1

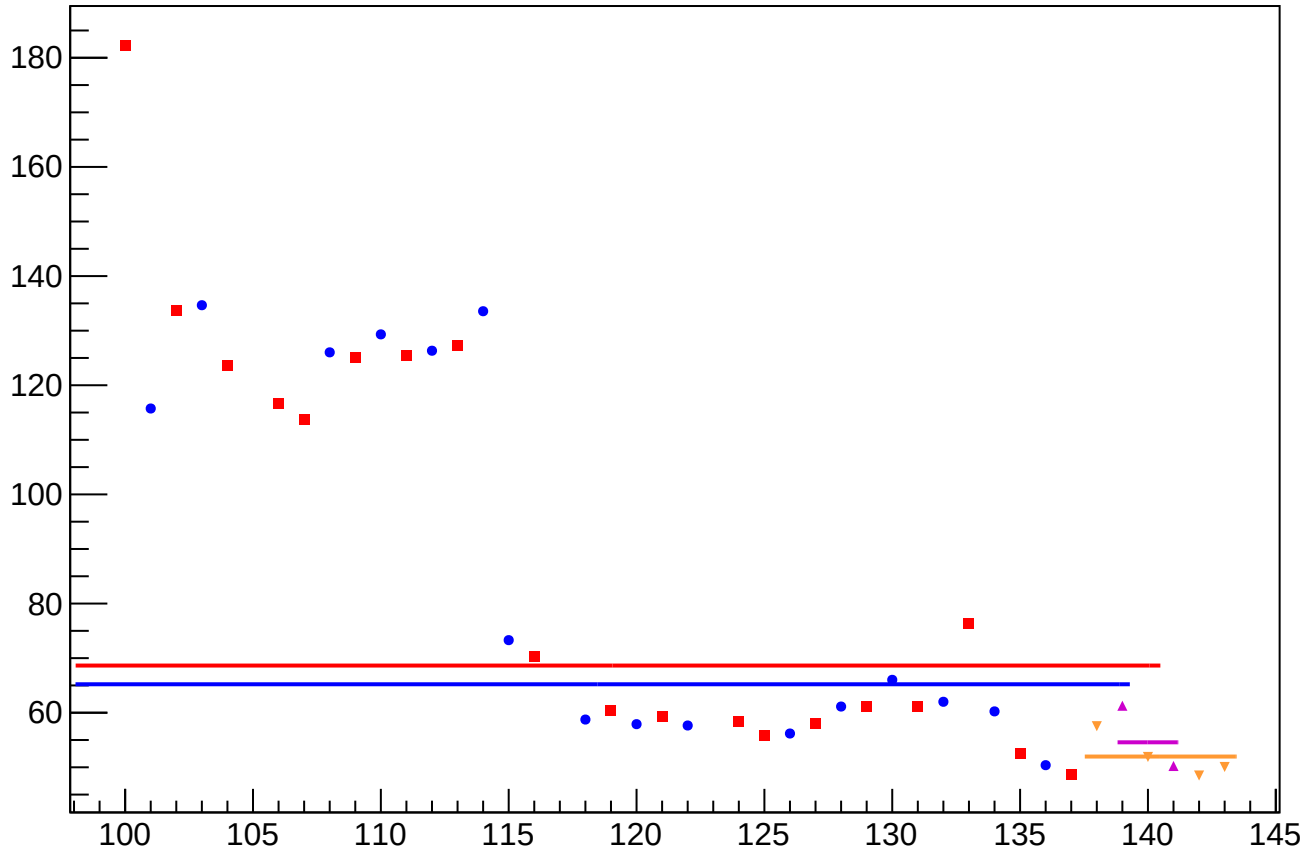
Left: 84.065+/-24.843 χ^2/NDF: 1.6/5

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 49.306+/-21.943 χ^2/NDF:15.2/17

Out: 75.051+/-20.284 χ^2/NDF:22.2/22

All: 63.188+/-14.895 χ^2/NDF: 38.2/40



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 51.969+/-0.022 χ^2/NDF:21113.6/3

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: 52.890+/-0.018 χ^2/NDF: 59411.4/5

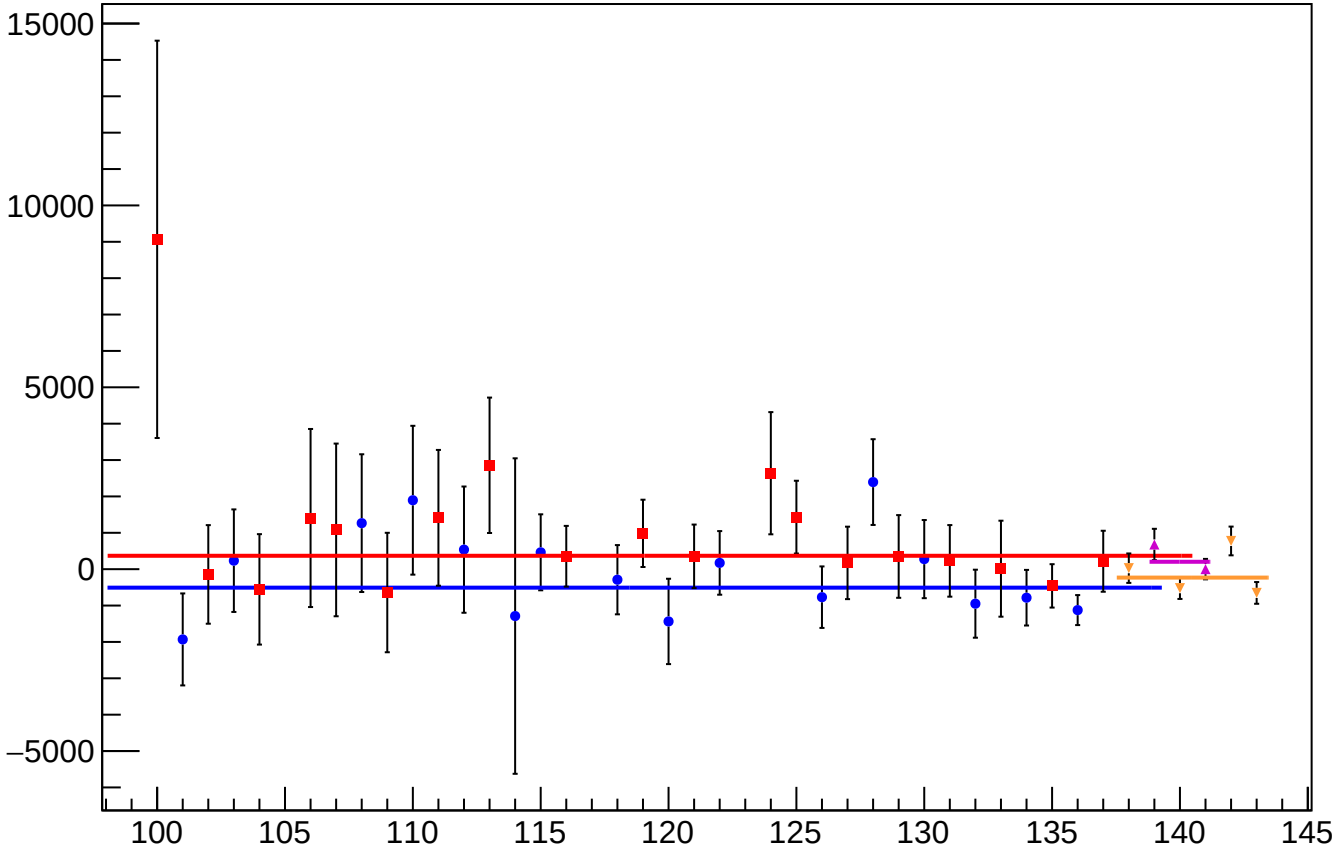
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 62.282+/-0.016 χ^2/NDF:1573529.6/17

Out: 61.453+/-0.014 χ^2/NDF:1990101.2/22

All: 61.835+/-0.011 χ^2/NDF: 3565172.8/40

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: -231.384+/-168.689 χ^2/NDF:9.9/3

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: -83.908+/-137.135 χ^2/NDF: 13.8/5

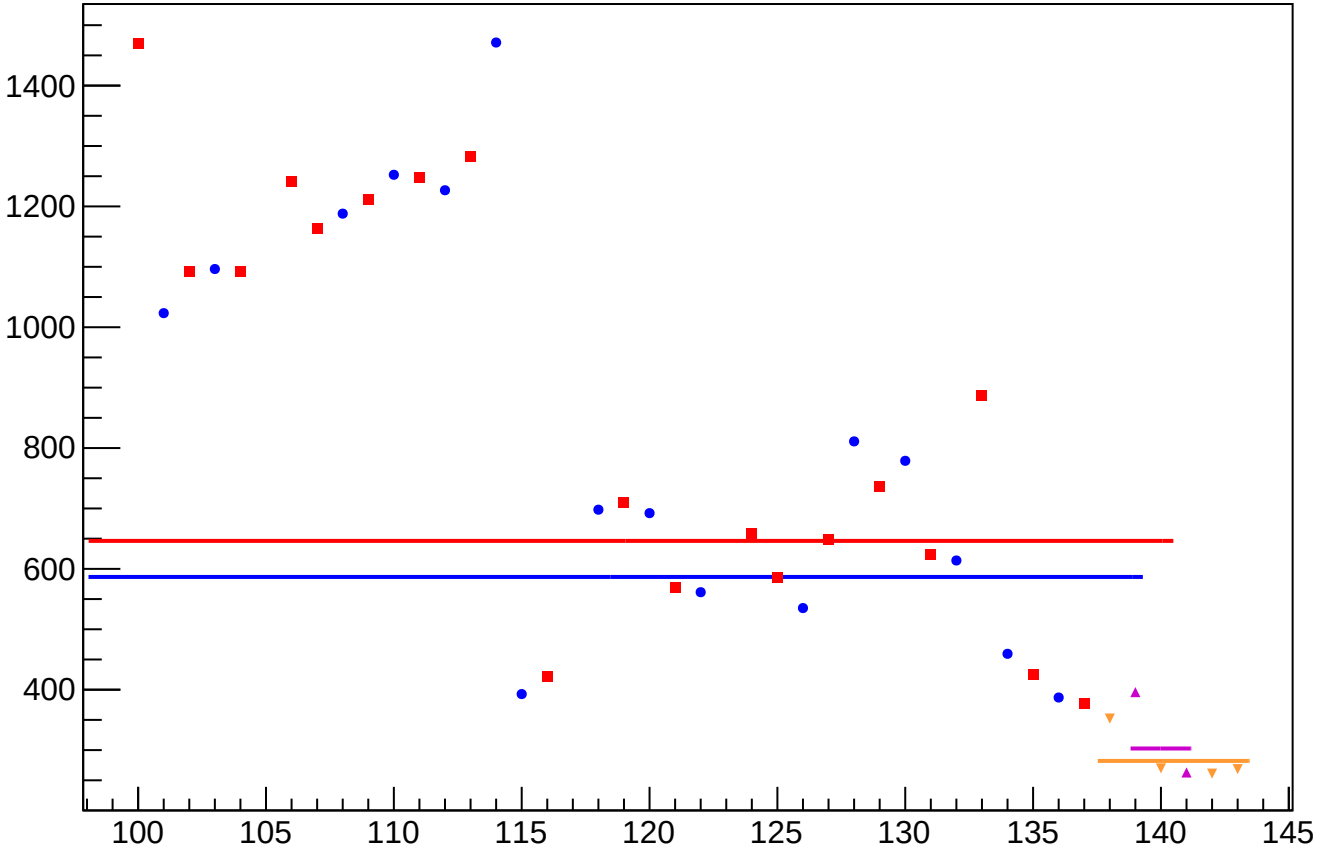
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -150.017+/-167.028 χ^2/NDF:21.9/17

Out: -50.347+/-140.947 χ^2/NDF:25.0/22

All: -91.801+/-107.719 χ^2/NDF: 47.1/40

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: 282.108+/-0.119 χ^2/NDF:73339.8/3

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 302.662+/-0.167 χ^2/NDF:133674.8/1

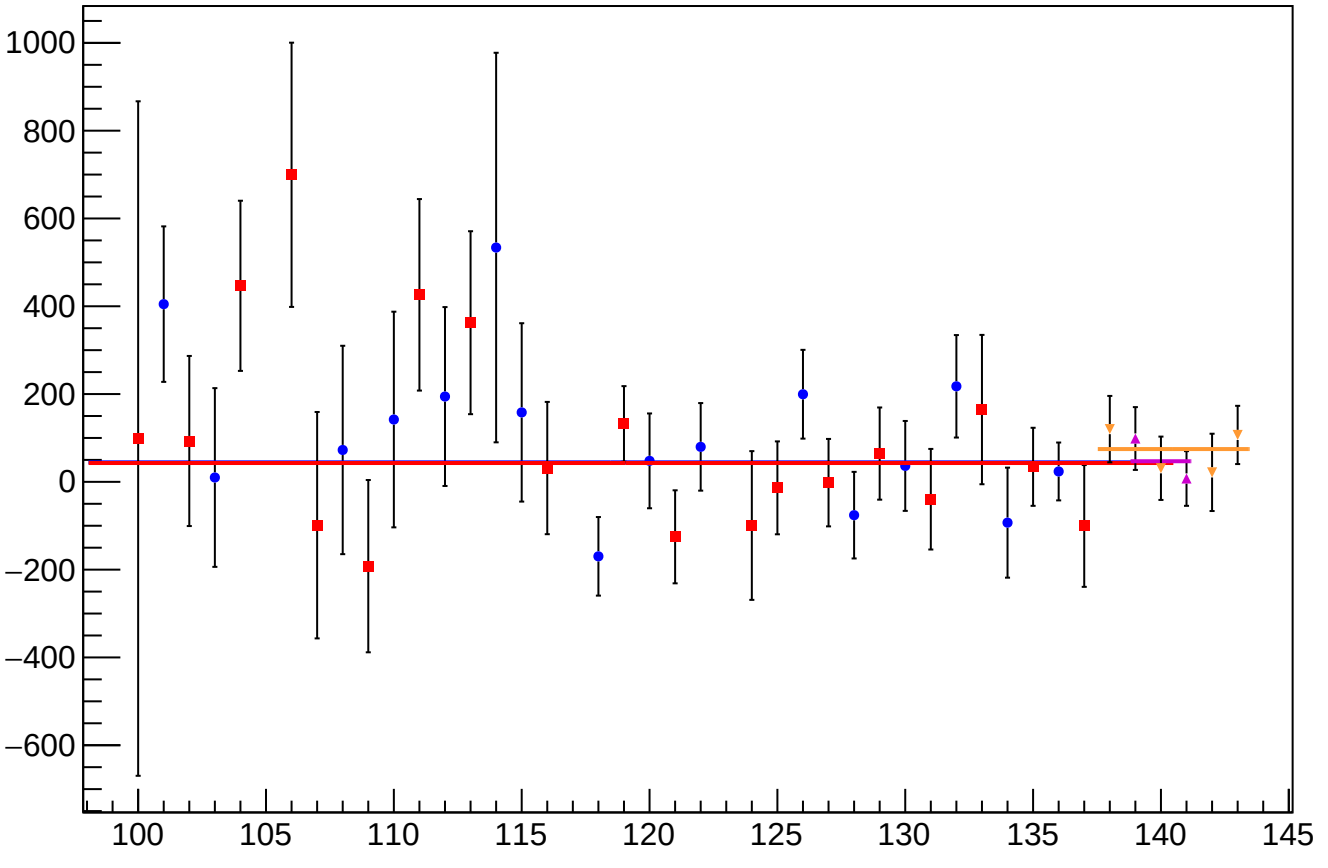
Left: 289.079+/-0.097 χ^2/NDF: 217083.7/5

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 443.777+/-0.118 χ^2/NDF:3632152.4/17

Out: 392.056+/-0.100 χ^2/NDF:4951033.2/22

All: 413.568+/-0.076 χ^2/NDF: 8695199.4/40



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 74.688+/-37.183 χ^2/NDF:1.3/3

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.943+/-46.978 χ^2/NDF:0.9/1

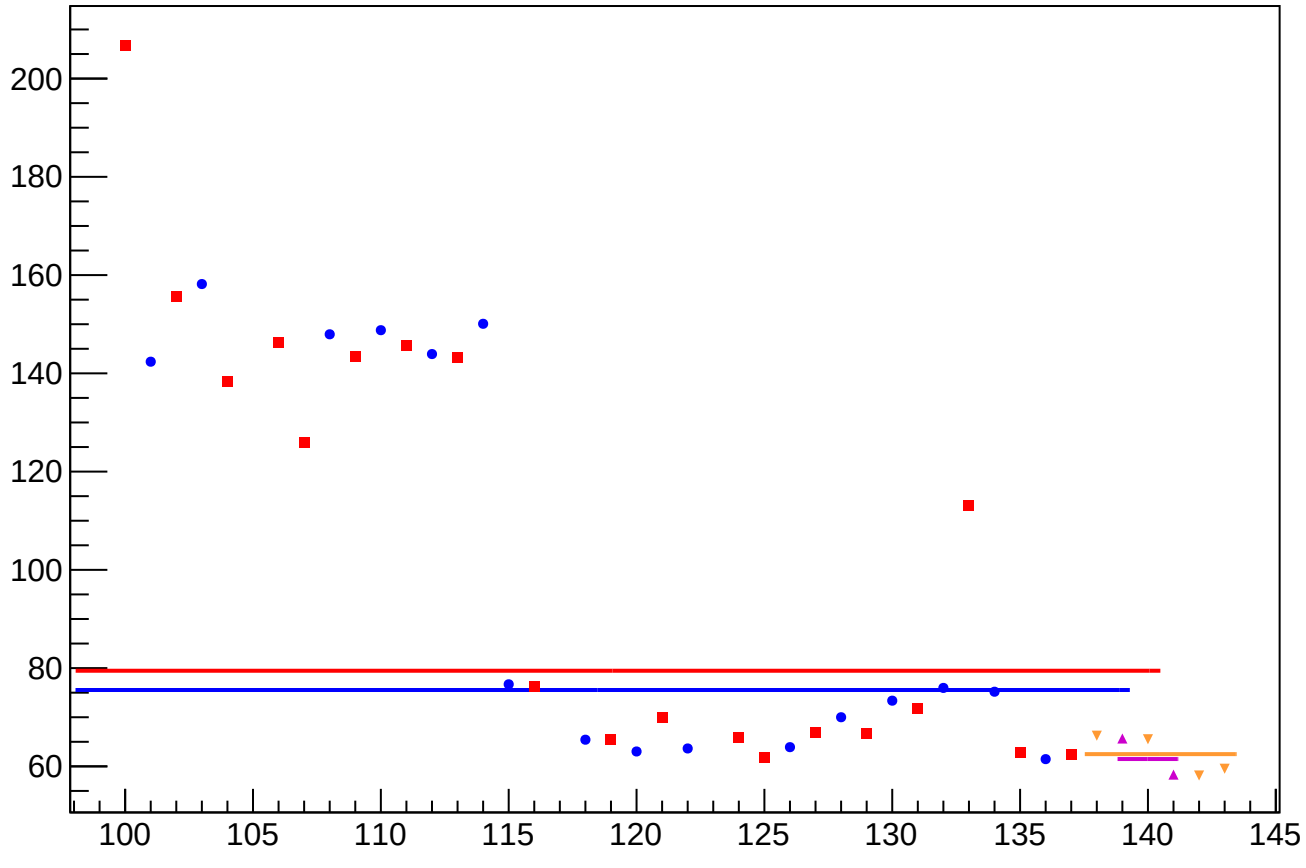
Left: 64.001+/-29.156 χ^2/NDF: 2.5/5

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.124+/-25.229 χ^2/NDF:20.5/17

Out: 56.058+/-23.922 χ^2/NDF:25.0/22

All: 50.882+/-17.359 χ^2/NDF: 45.7/40



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 62.492+/-0.026 χ^2/NDF:17338.2/3

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.493+/-0.033 χ^2/NDF:12009.7/1

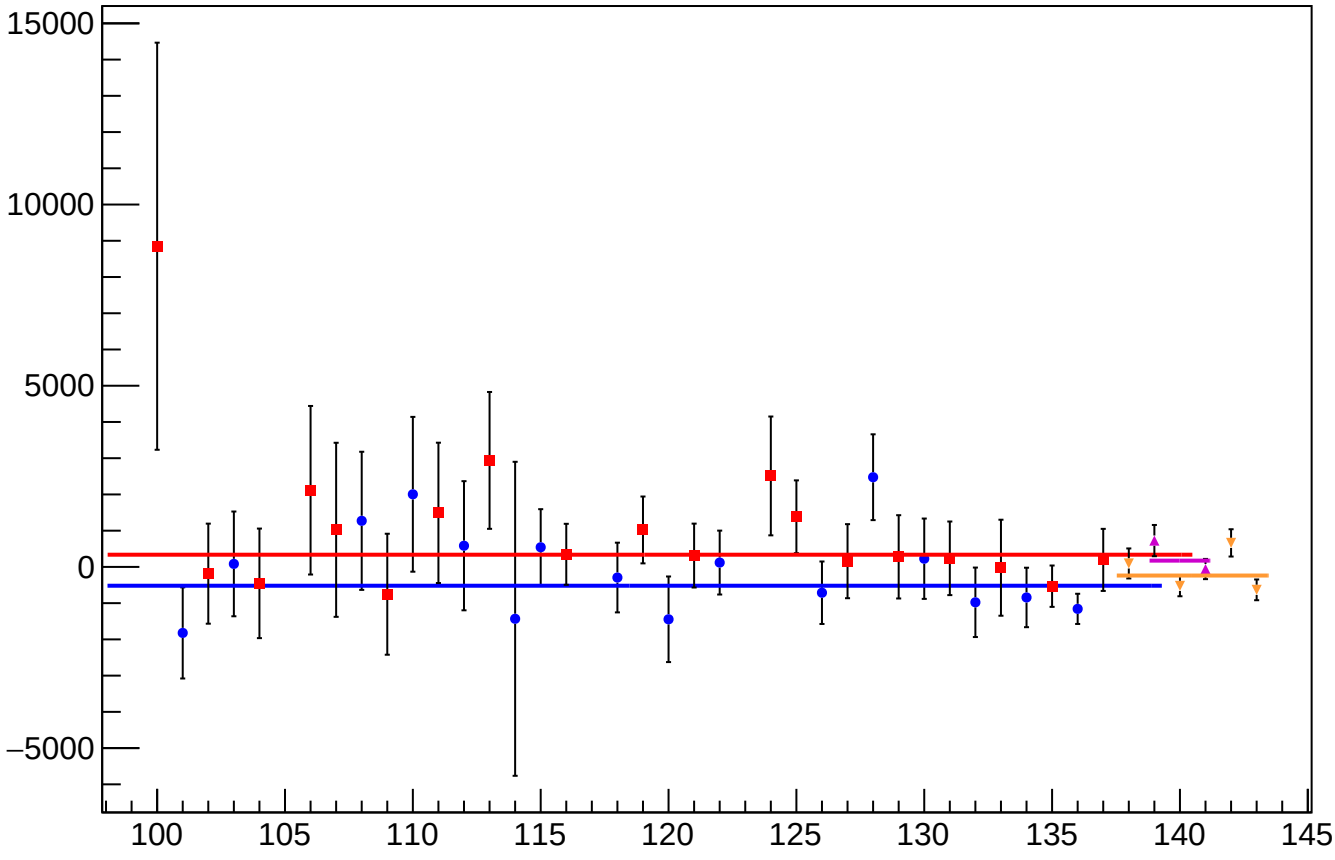
Left: 62.107+/-0.021 χ^2/NDF: 29903.3/5

Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 71.492+/-0.018 χ^2/NDF:1604874.9/17

Out: 72.440+/-0.017 χ^2/NDF:1945231.2/22

All: 71.991+/-0.012 χ^2/NDF: 3551592.5/40



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -238.051+/-163.761 χ^2/NDF:9.3/3

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 173.451+/-234.242 χ^2/NDF:2.3/1

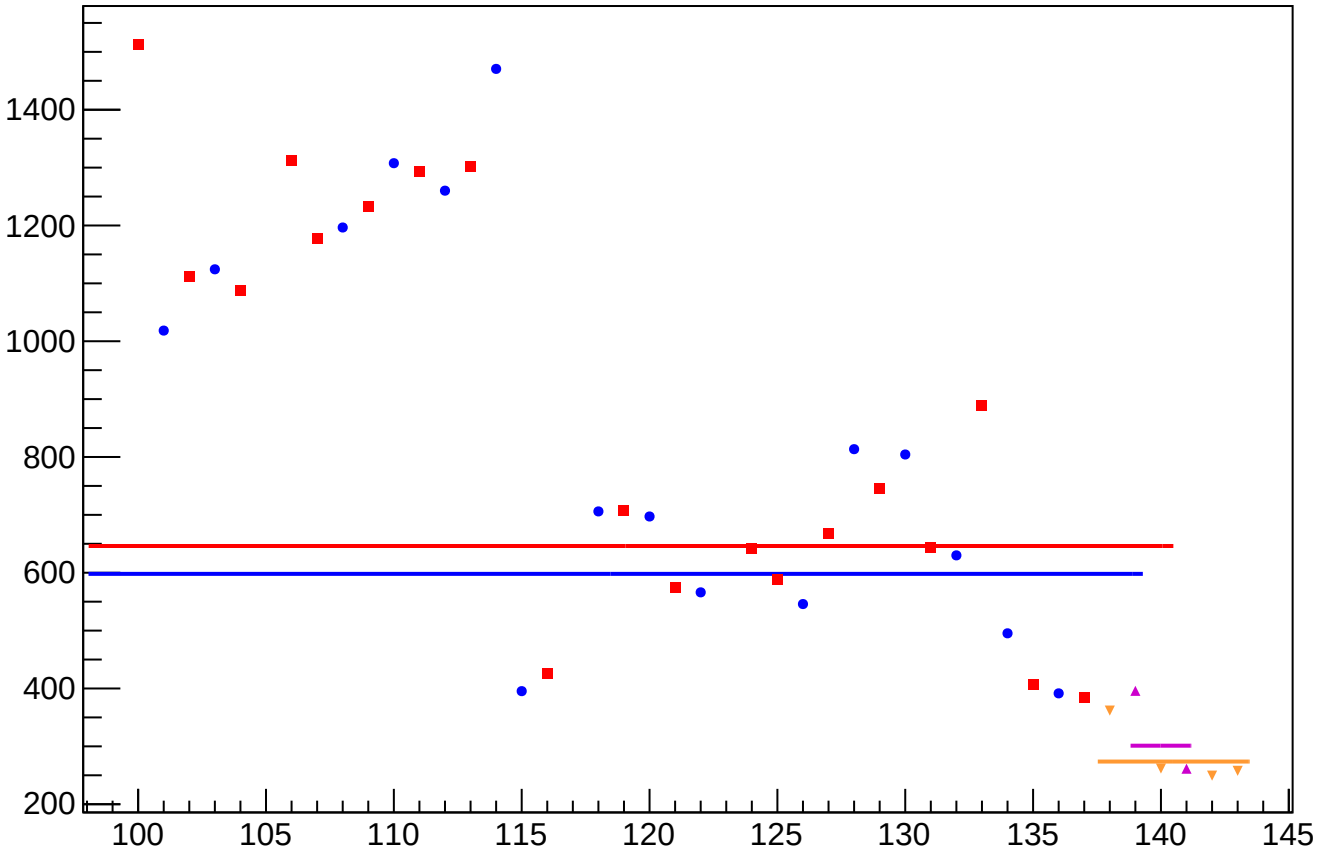
Left: -102.956+/-134.214 χ^2/NDF: 13.7/5

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -162.596+/-168.079 χ^2/NDF:22.4/17

Out: -71.717+/-138.047 χ^2/NDF:24.8/22

All: -108.326+/-106.678 χ^2/NDF: 47.3/40



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 273.738+/-0.116 χ^2/NDF:108698.6/3

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 301.148+/-0.166 χ^2/NDF:137337.1/1

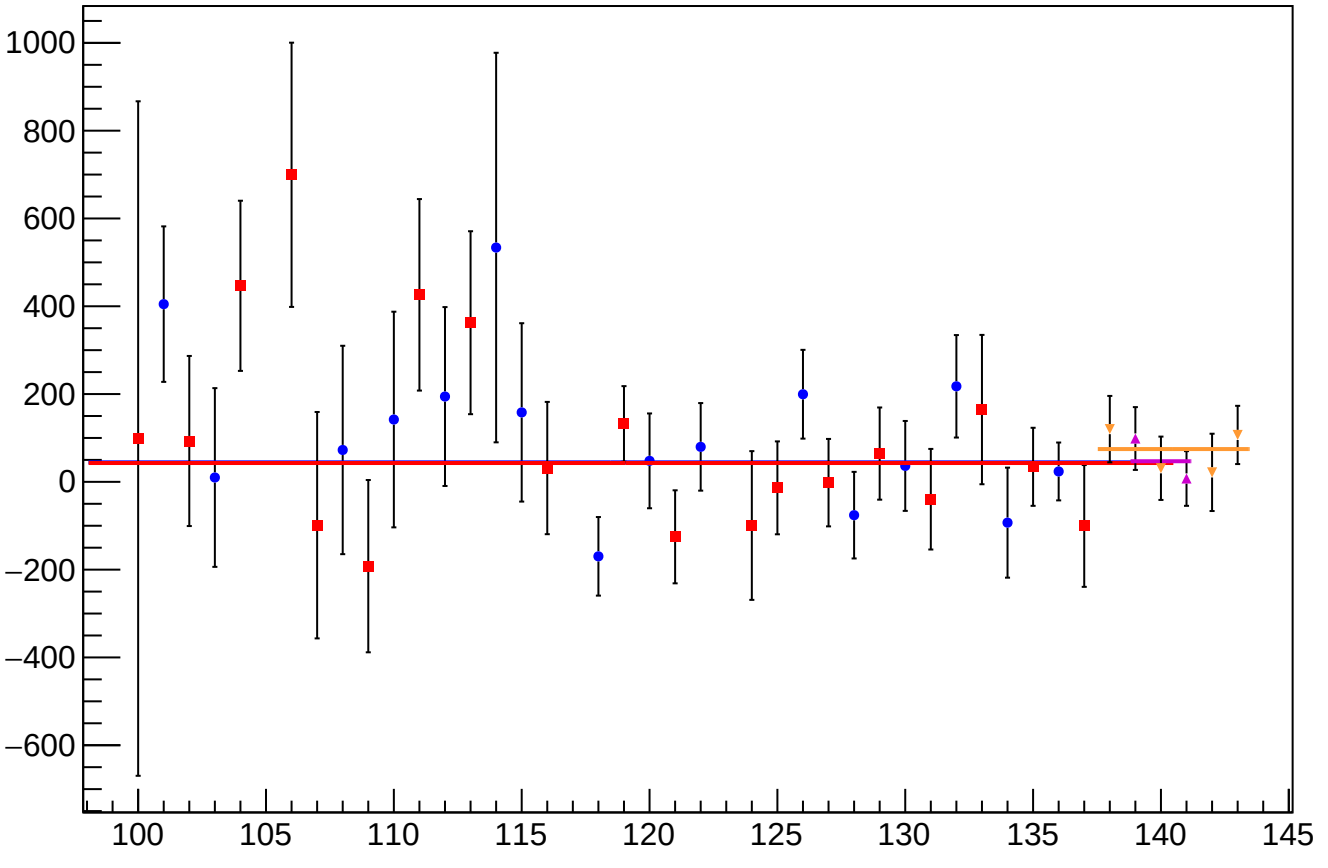
Left: 282.736+/-0.095 χ^2/NDF: 264430.3/5

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 445.180+/-0.119 χ^2/NDF:3743876.7/17

Out: 381.521+/-0.098 χ^2/NDF:5307991.7/22

All: 407.165+/-0.075 χ^2/NDF: 9223193.4/40



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 74.687+/-37.183 χ^2/NDF:1.3/3

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.943+/-46.978 χ^2/NDF:0.9/1

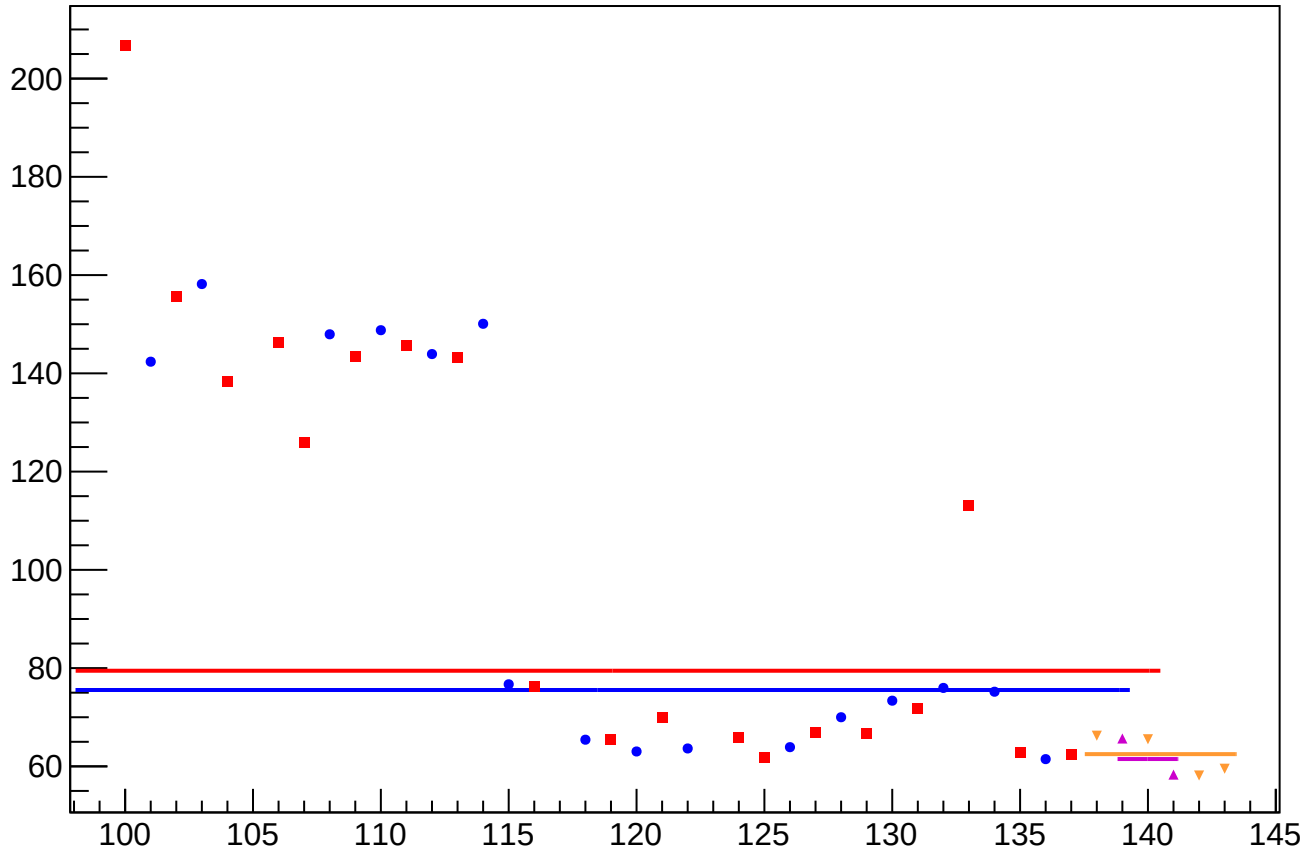
Left: 64.001+/-29.156 χ^2/NDF: 2.5/5

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.125+/-25.229 χ^2/NDF:20.5/17

Out: 56.058+/-23.922 χ^2/NDF:25.0/22

All: 50.882+/-17.359 χ^2/NDF: 45.7/40



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 62.492+/-0.026 χ^2/NDF:17337.7/3

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: 62.107+/-0.021 χ^2/NDF: 29902.9/5

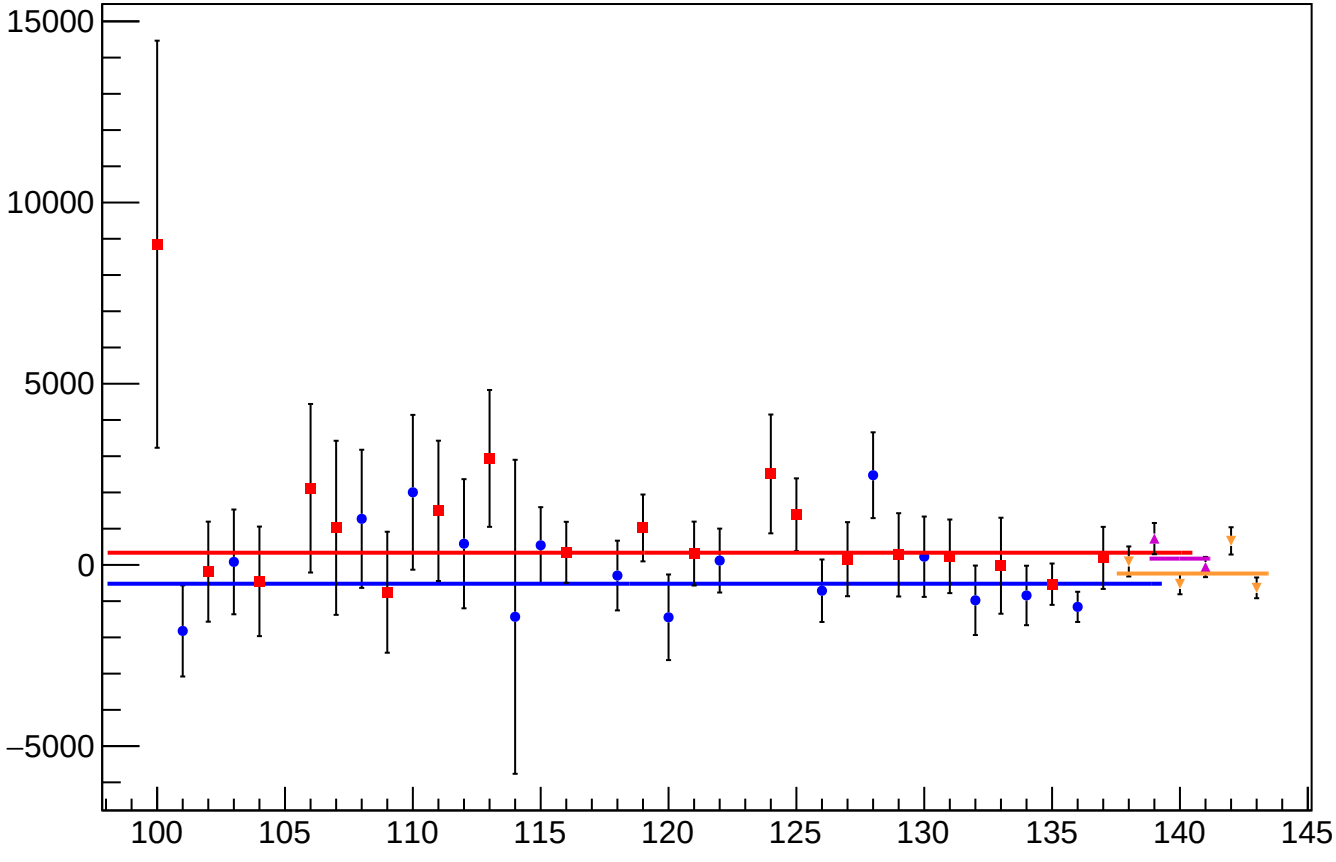
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 71.492+/-0.018 χ^2/NDF:1604851.3/17

Out: 72.440+/-0.017 χ^2/NDF:1945215.2/22

All: 71.991+/-0.012 χ^2/NDF: 3551553.1/40

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: -238.052+/-163.761 χ^2/NDF:9.3/3

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: -102.956+/-134.214 χ^2/NDF: 13.7/5

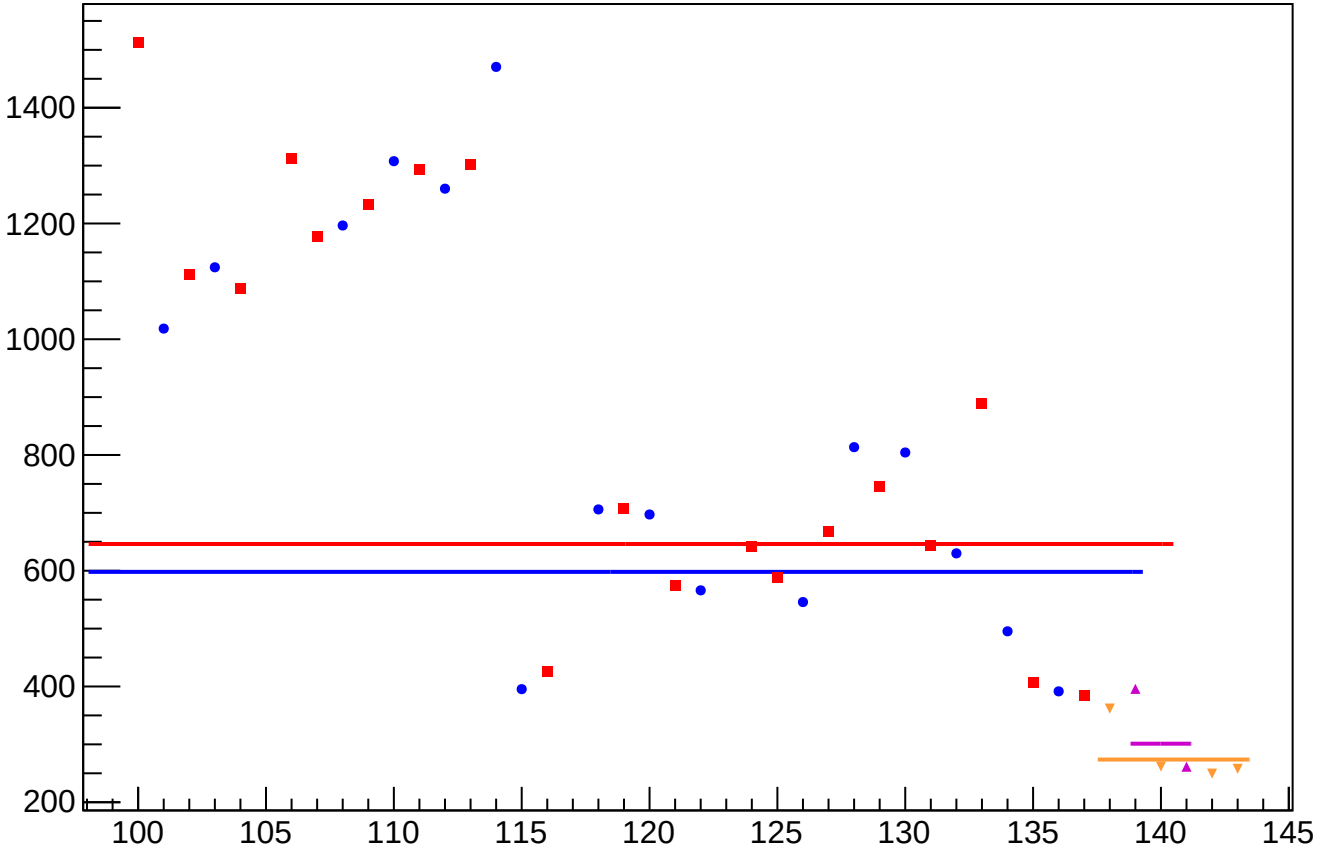
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -162.594+/-168.079 χ^2/NDF:22.4/17

Out: -71.717+/-138.047 χ^2/NDF:24.8/22

All: -108.325+/-106.678 χ^2/NDF: 47.3/40

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: 273.738+/-0.116 χ^2/NDF:108695.6/3

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: 282.736+/-0.095 χ^2/NDF: 264423.8/5

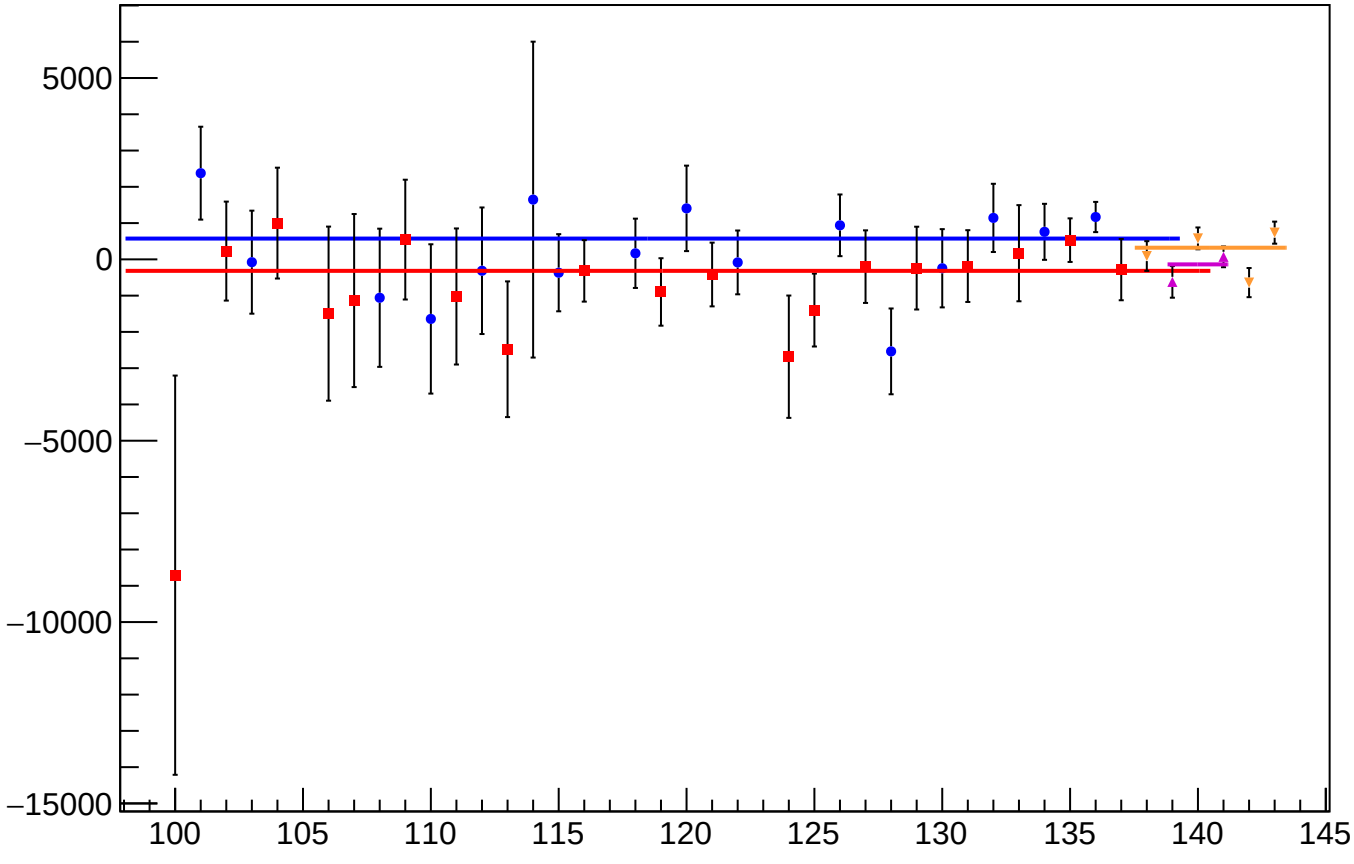
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 445.179+/-0.119 χ^2/NDF:3743861.0/17

Out: 381.520+/-0.098 χ^2/NDF:5307977.3/22

All: 407.164+/-0.075 χ^2/NDF: 9223162.3/40

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 321.088+/-171.573 χ^2/NDF:8.6/3

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: 165.119+/-139.445 χ^2/NDF: 12.8/5

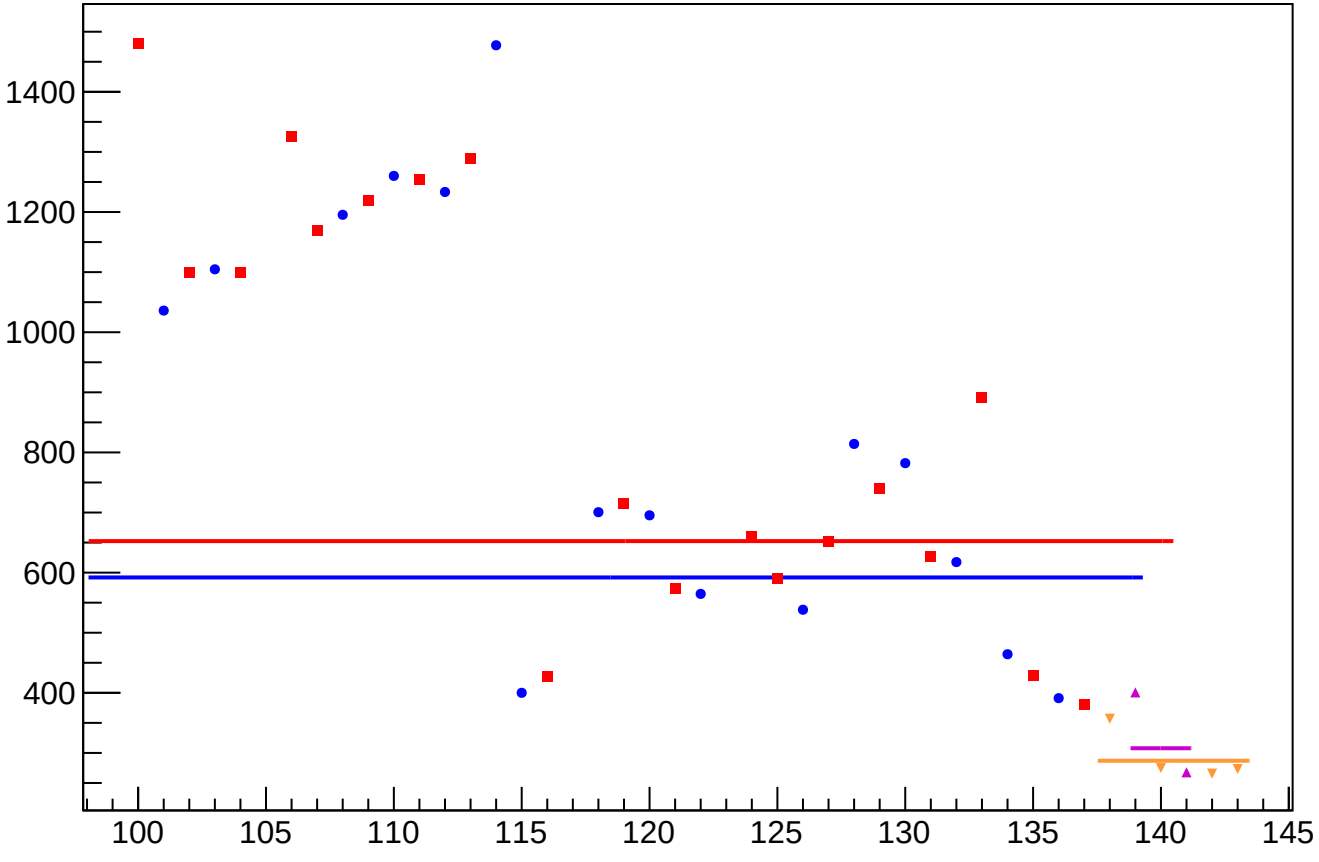
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 218.115+/-169.091 χ^2/NDF:22.7/17

Out: 125.731+/-142.907 χ^2/NDF:23.9/22

All: 164.224+/-109.147 χ^2/NDF: 46.8/40

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 287.005+/-0.121 χ^2/NDF:71302.5/3

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 307.808+/-0.169 χ^2/NDF:129881.2/1

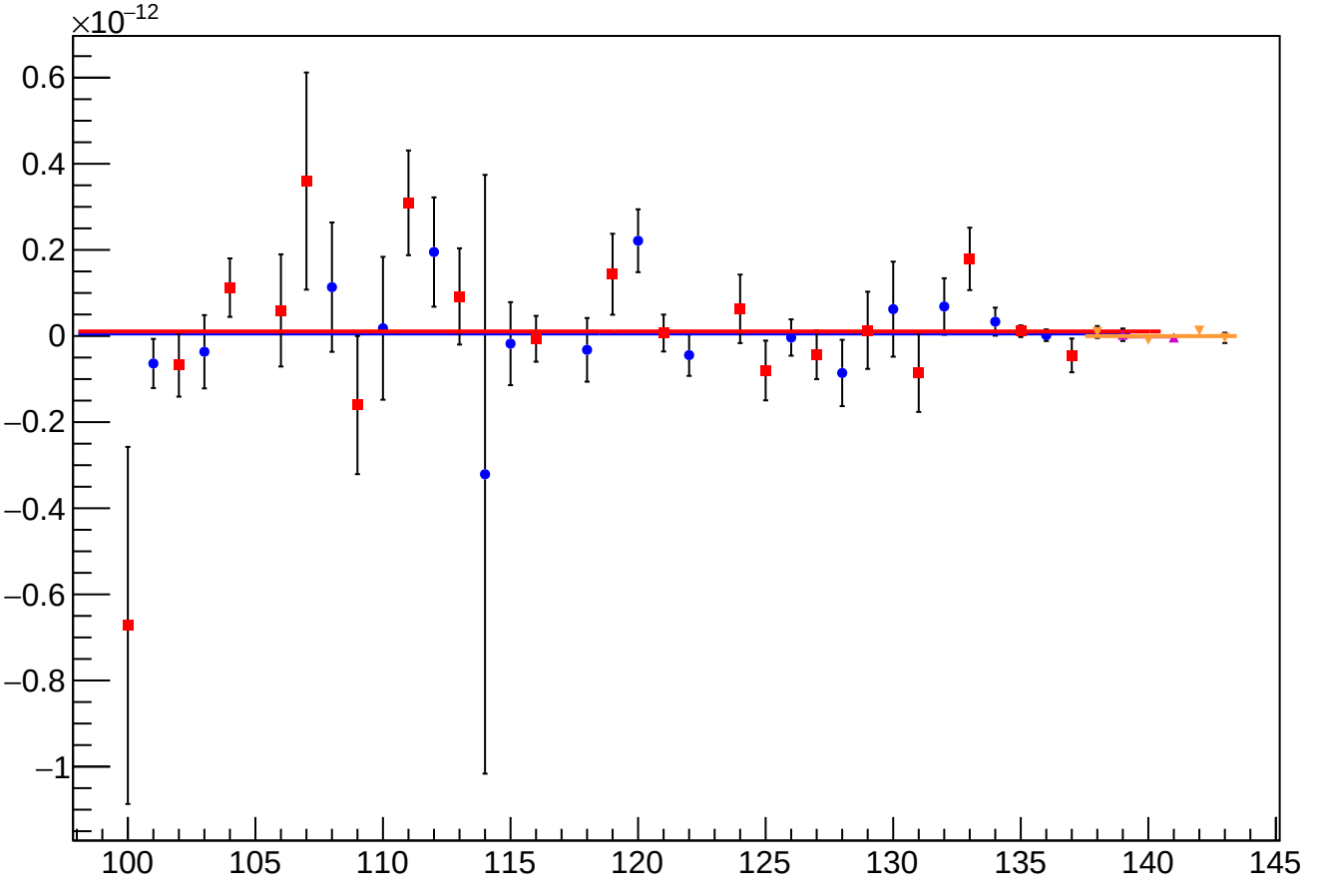
Left: 294.067+/-0.099 χ^2/NDF: 211164.2/5

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 450.140+/-0.120 χ^2/NDF:3577707.5/17

Out: 398.922+/-0.101 χ^2/NDF:4940108.3/22

All: 420.263+/-0.077 χ^2/NDF: 8624856.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.1/1

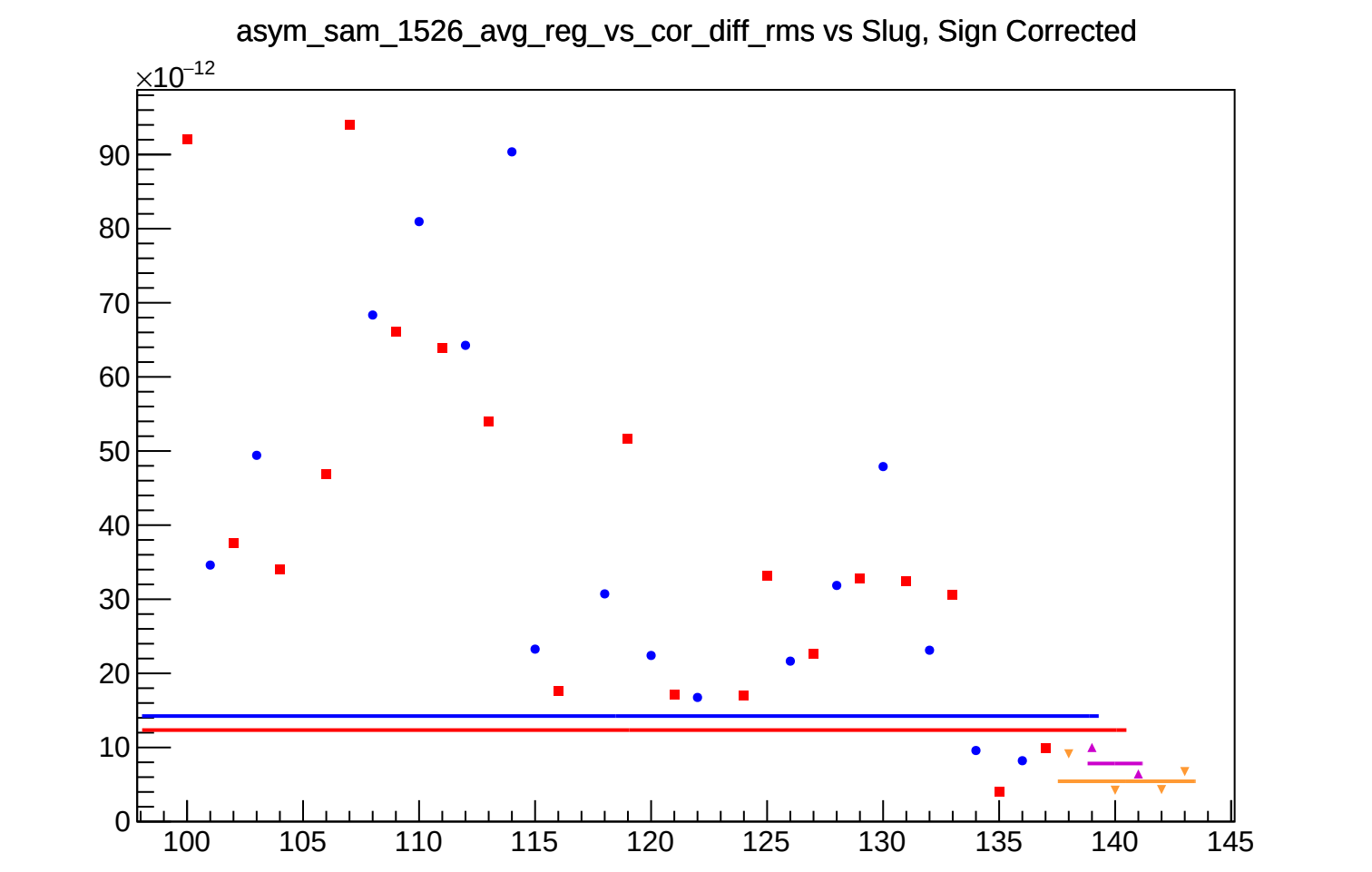
Left: -0.000+/-0.000 χ^2/NDF: 3.3/5

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:33.5/22

All: 0.000+/-0.000 χ^2/NDF: 52.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:234158.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:73509.5/1

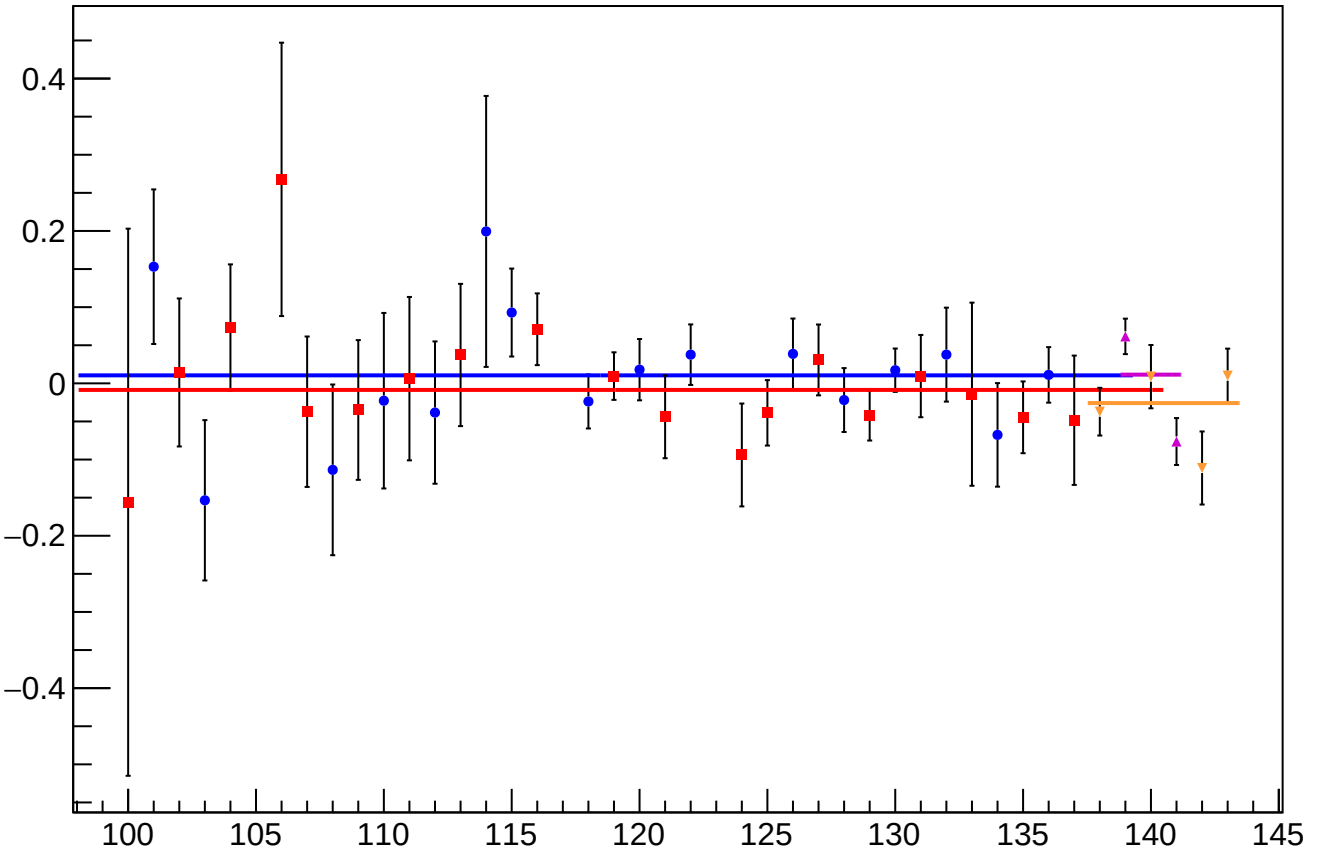
Left: 0.000+/-0.000 χ^2/NDF: 412291.9/5

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:4396025.8/22

All: 0.000+/-0.000 χ^2/NDF: 7796350.6/40



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.011+/-0.019 χ^2/NDF:12.8/1

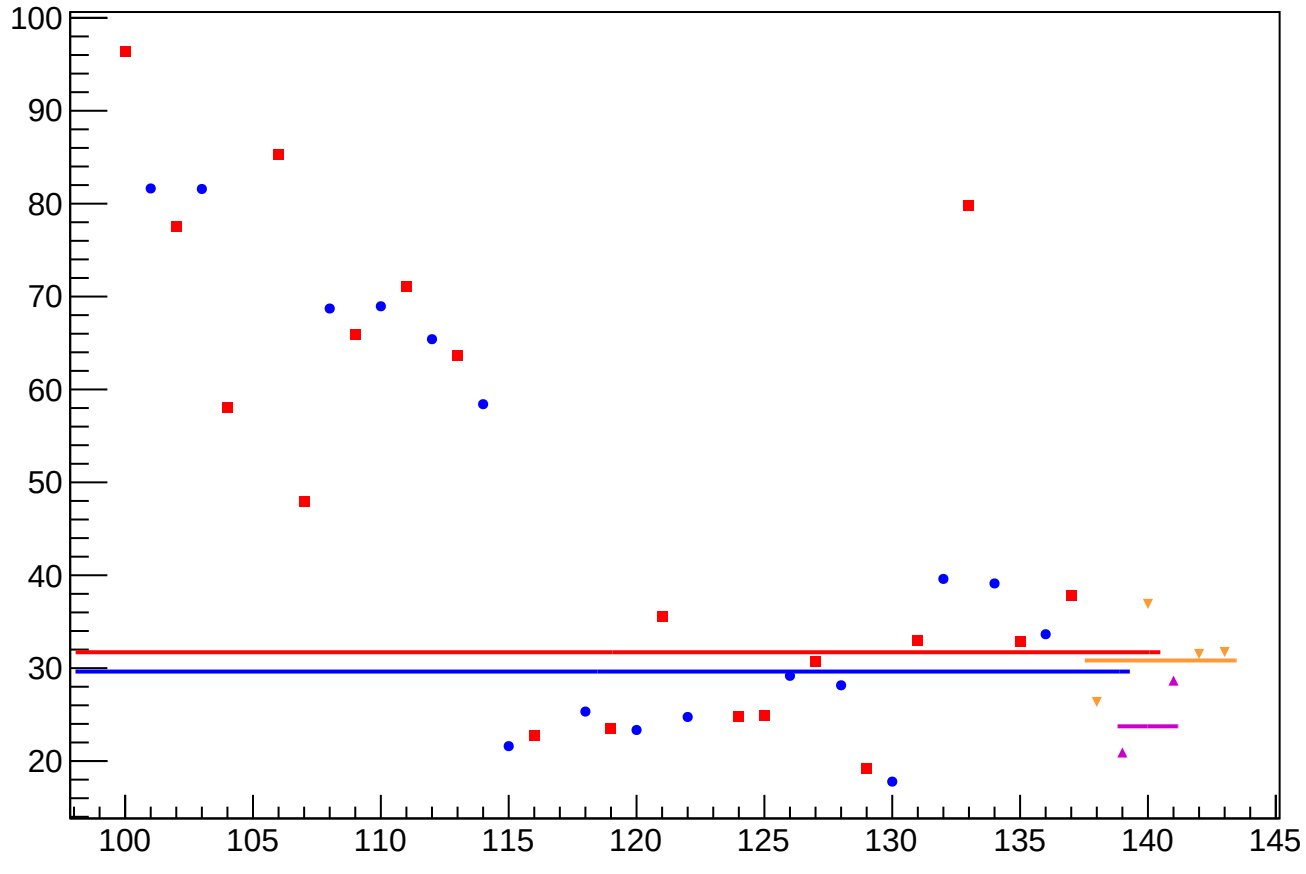
Left: -0.007+/-0.013 χ^2/NDF: 19.8/5

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.001+/-0.008 χ^2/NDF: 46.7/40



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.826+/-0.013 χ^2/NDF:85505.9/3

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 23.740+/-0.013 χ^2/NDF:80363.9/1

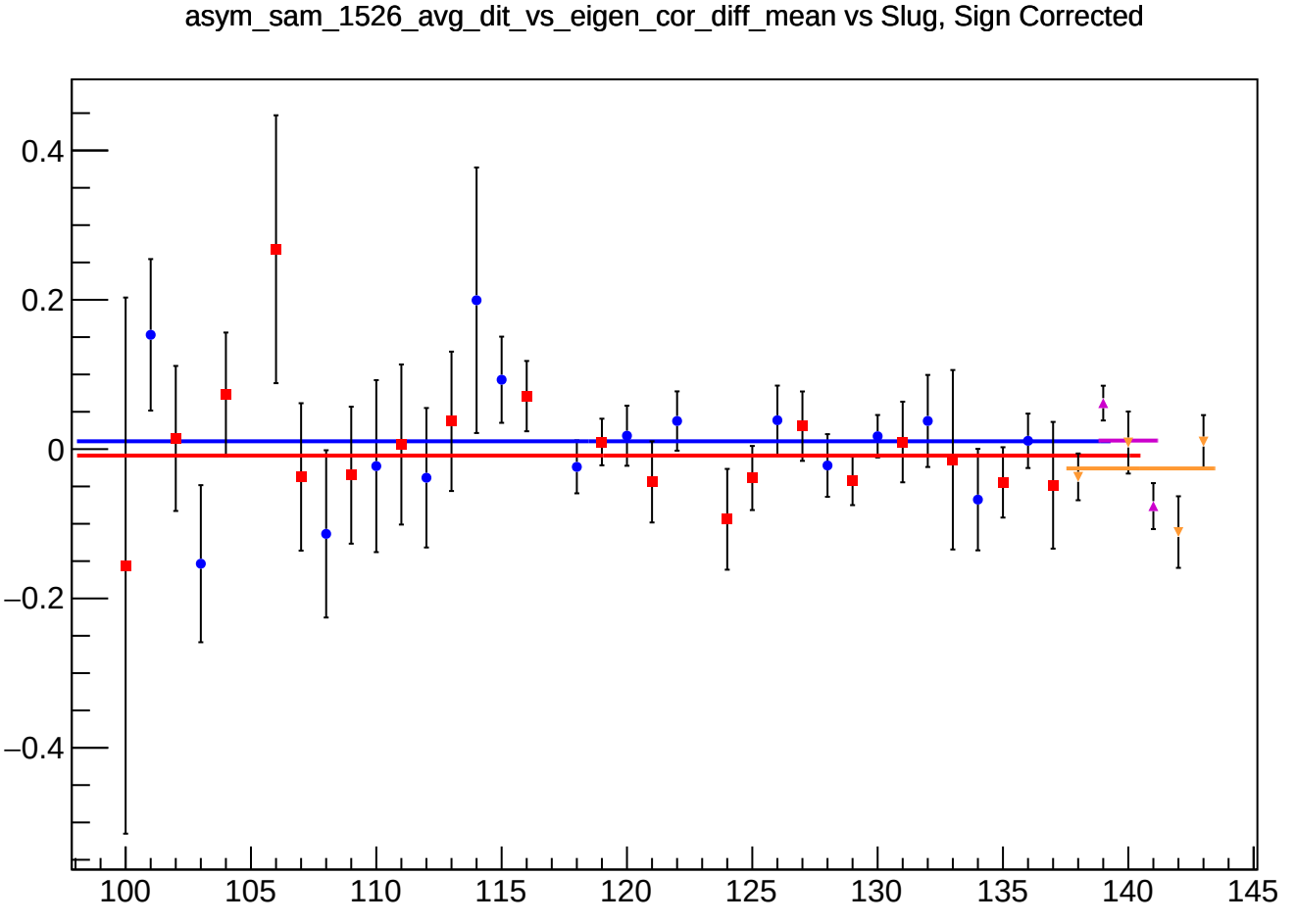
Left: 27.238+/-0.009 χ^2/NDF: 309692.3/5

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.784+/-0.007 χ^2/NDF:2667157.5/17

Out: 31.418+/-0.008 χ^2/NDF:2739948.8/22

All: 29.529+/-0.005 χ^2/NDF: 5524279.9/40



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.011+/-0.019 χ^2/NDF:12.8/1

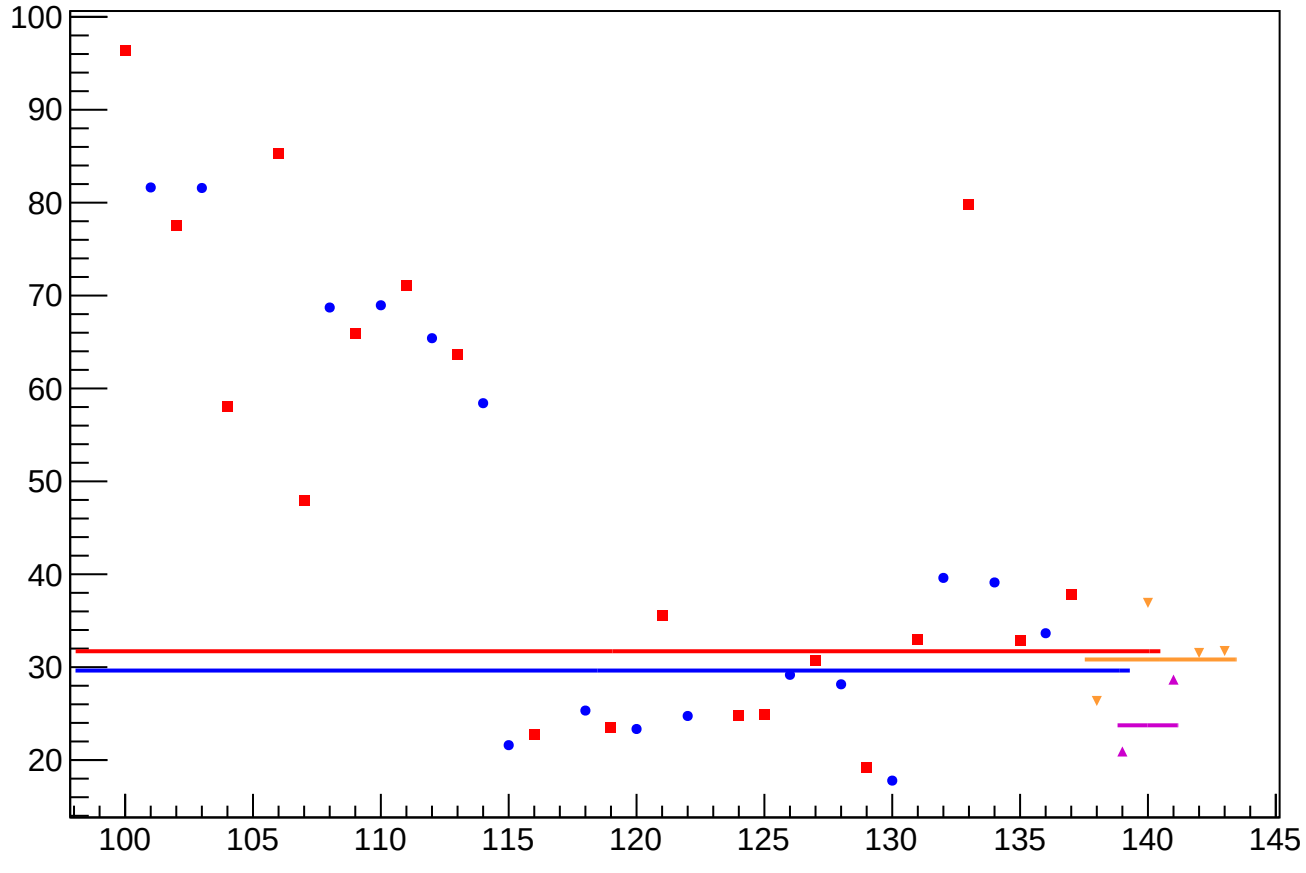
Left: -0.007+/-0.013 χ^2/NDF: 19.8/5

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.001+/-0.008 χ^2/NDF: 46.7/40



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.826+/-0.013 χ^2/NDF:85505.9/3

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 23.740+/-0.013 χ^2/NDF:80363.9/1

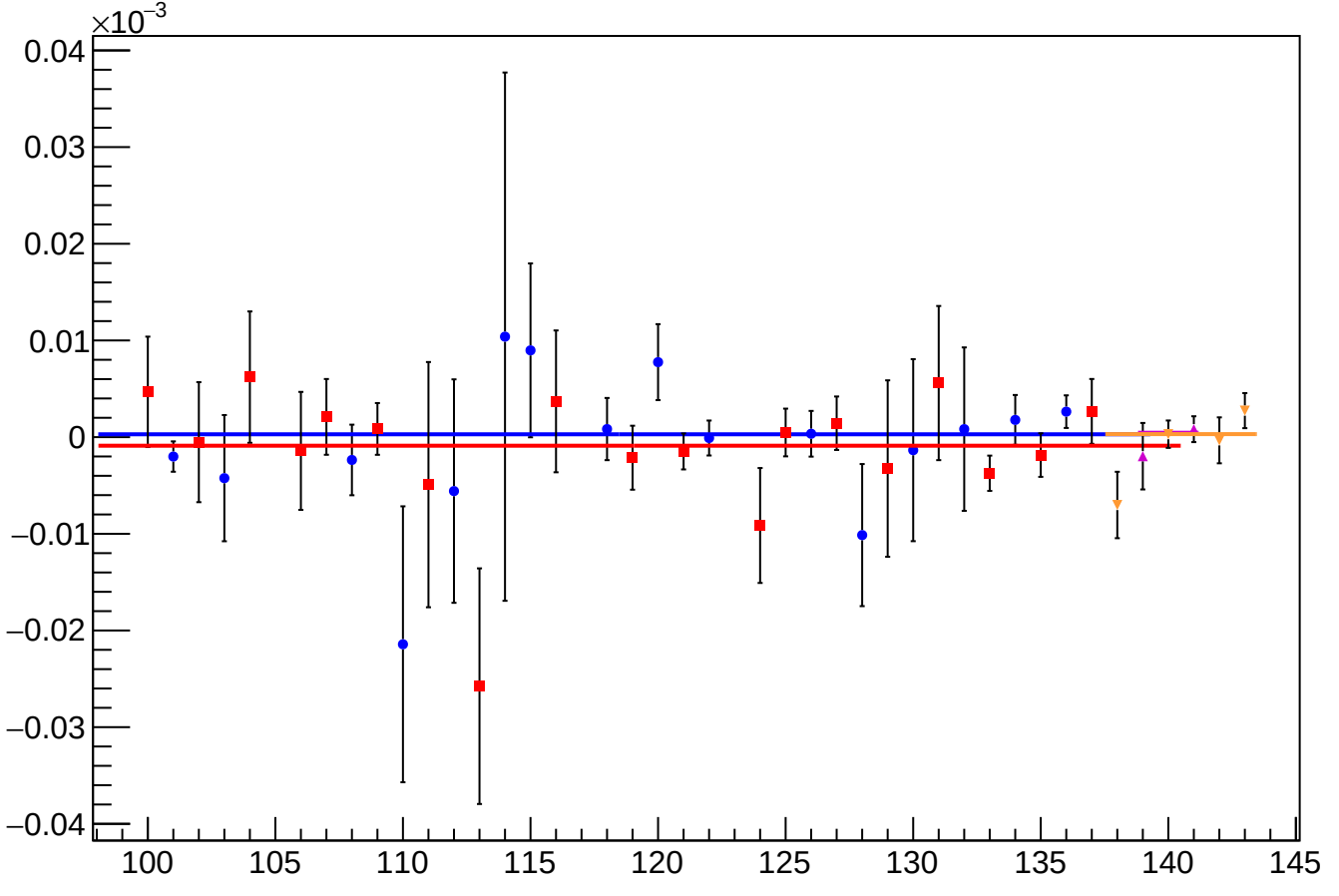
Left: 27.238+/-0.009 χ^2/NDF: 309692.3/5

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 27.784+/-0.007 χ^2/NDF:2667157.5/17

Out: 31.418+/-0.008 χ^2/NDF:2739948.8/22

All: 29.529+/-0.005 χ^2/NDF: 5524279.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/1

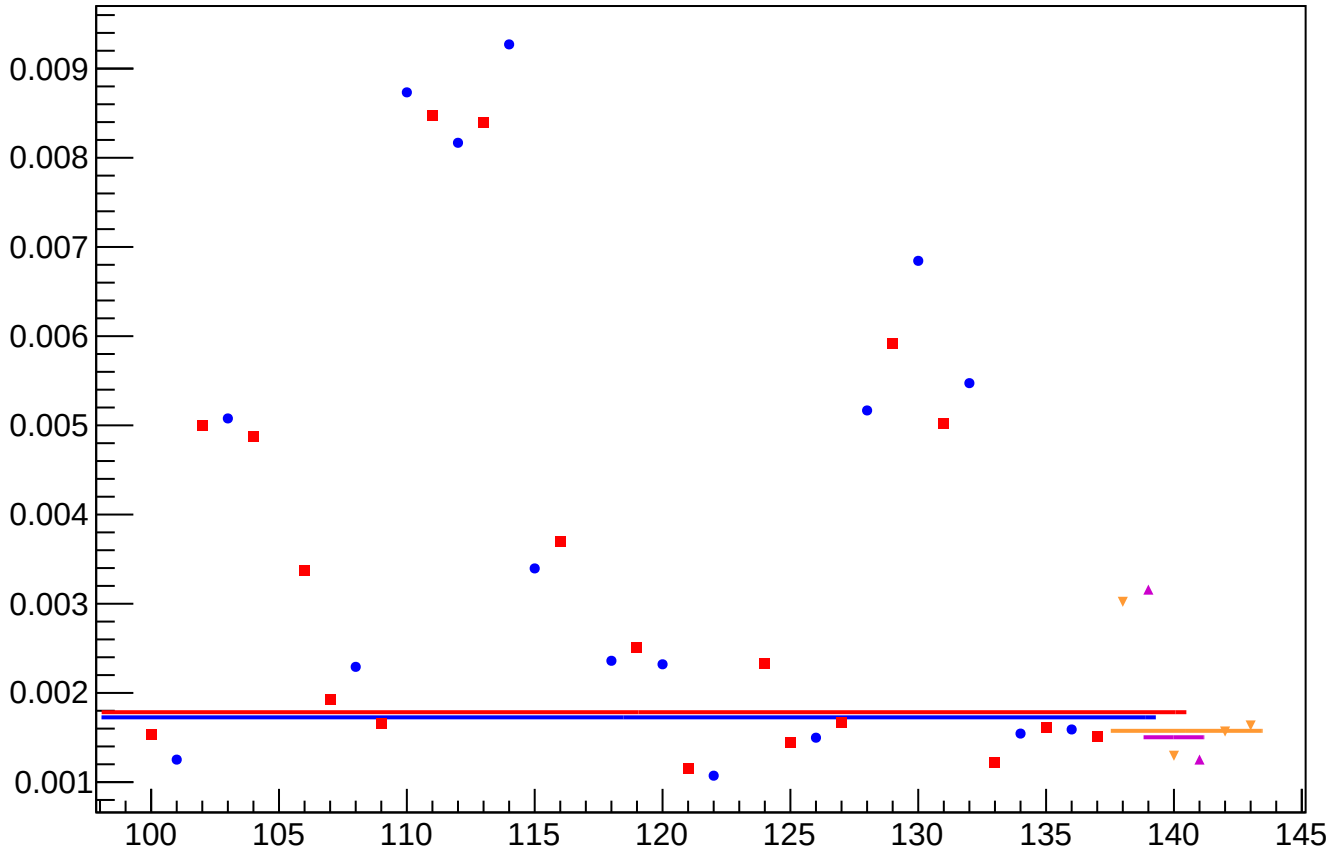
Left: 0.000+/-0.000 χ^2/NDF: 7.0/5

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:22.7/22

All: -0.000+/-0.000 χ^2/NDF: 38.8/40



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:434602.2/3

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:533502.2/1

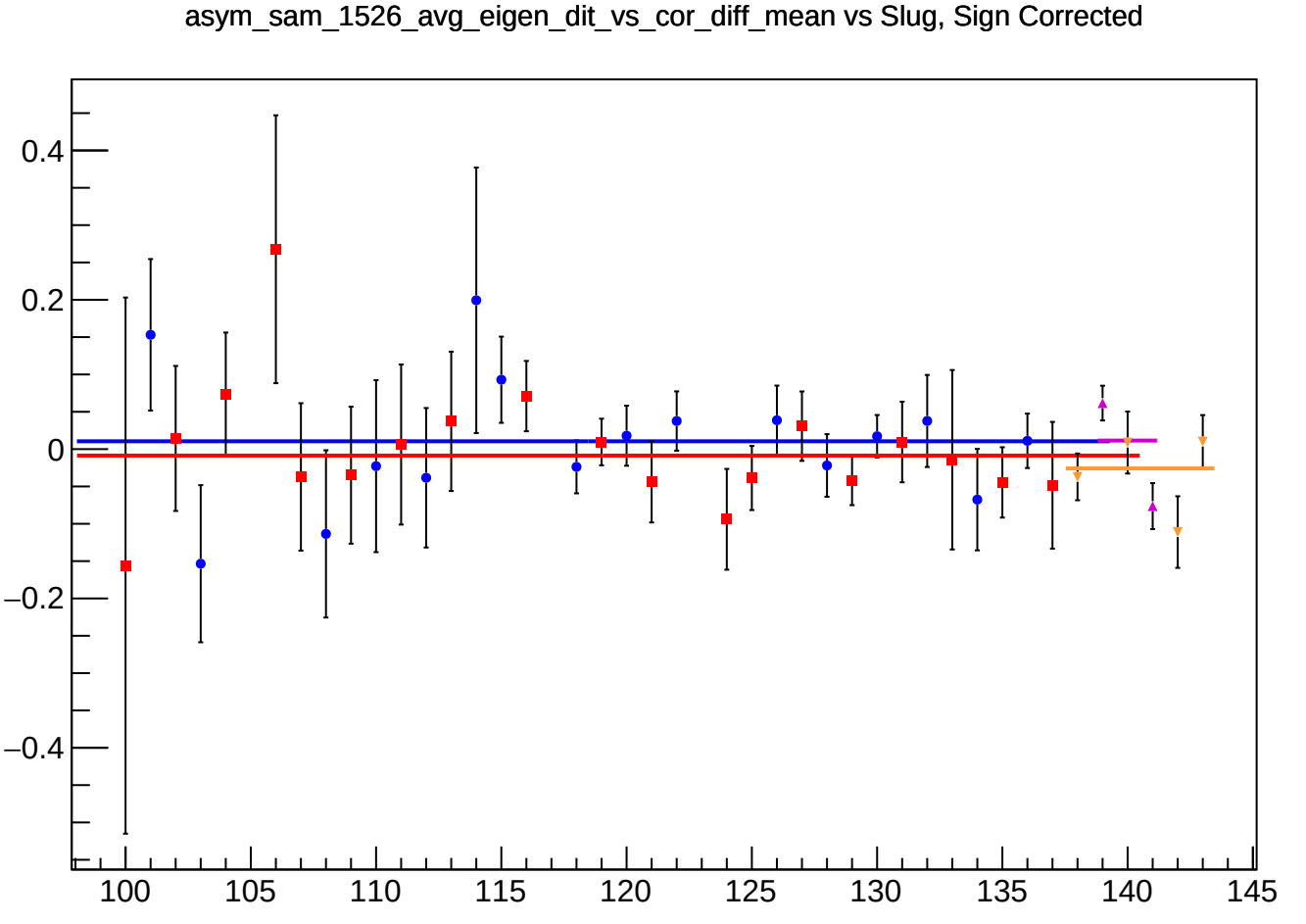
Left: 0.002+/-0.000 χ^2/NDF: 972278.7/5

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

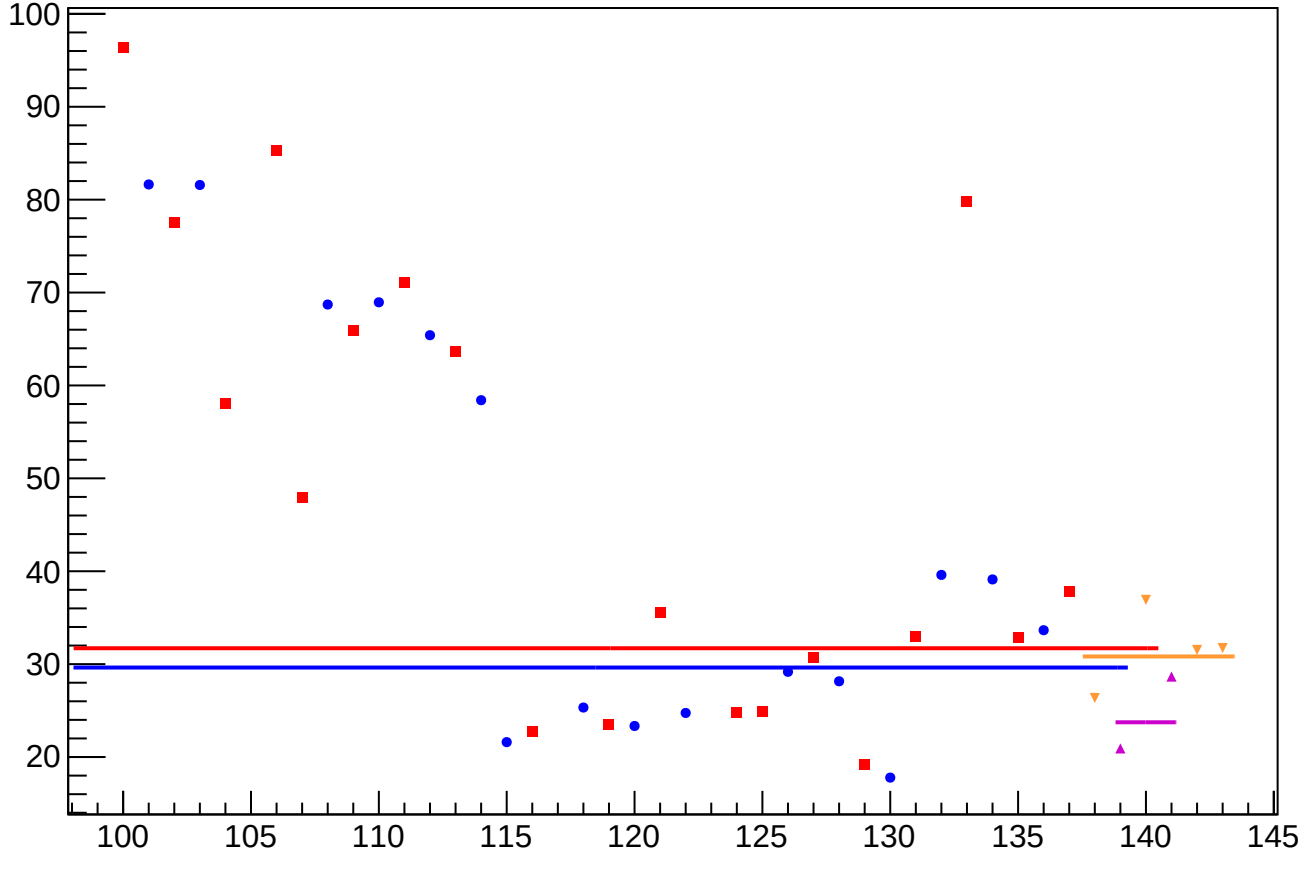
In: 0.002+/-0.000 χ^2/NDF:4512503.8/17

Out: 0.002+/-0.000 χ^2/NDF:4209932.1/22

All: 0.002+/-0.000 χ^2/NDF: 8725881.4/40


asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: -0.026+/-0.019 χ²/NDF:5.0/3
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.011+/-0.019 χ²/NDF:12.8/1
Left: -0.007+/-0.013 χ²/NDF: 19.8/5
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.011+/-0.010 χ²/NDF:25.9/17
Out: -0.014+/-0.011 χ²/NDF:18.0/22
All: -0.001+/-0.008 χ²/NDF: 46.7/40

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.826+/-0.013 χ^2/NDF:85512.8/3

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 23.740+/-0.013 χ^2/NDF:80361.9/1

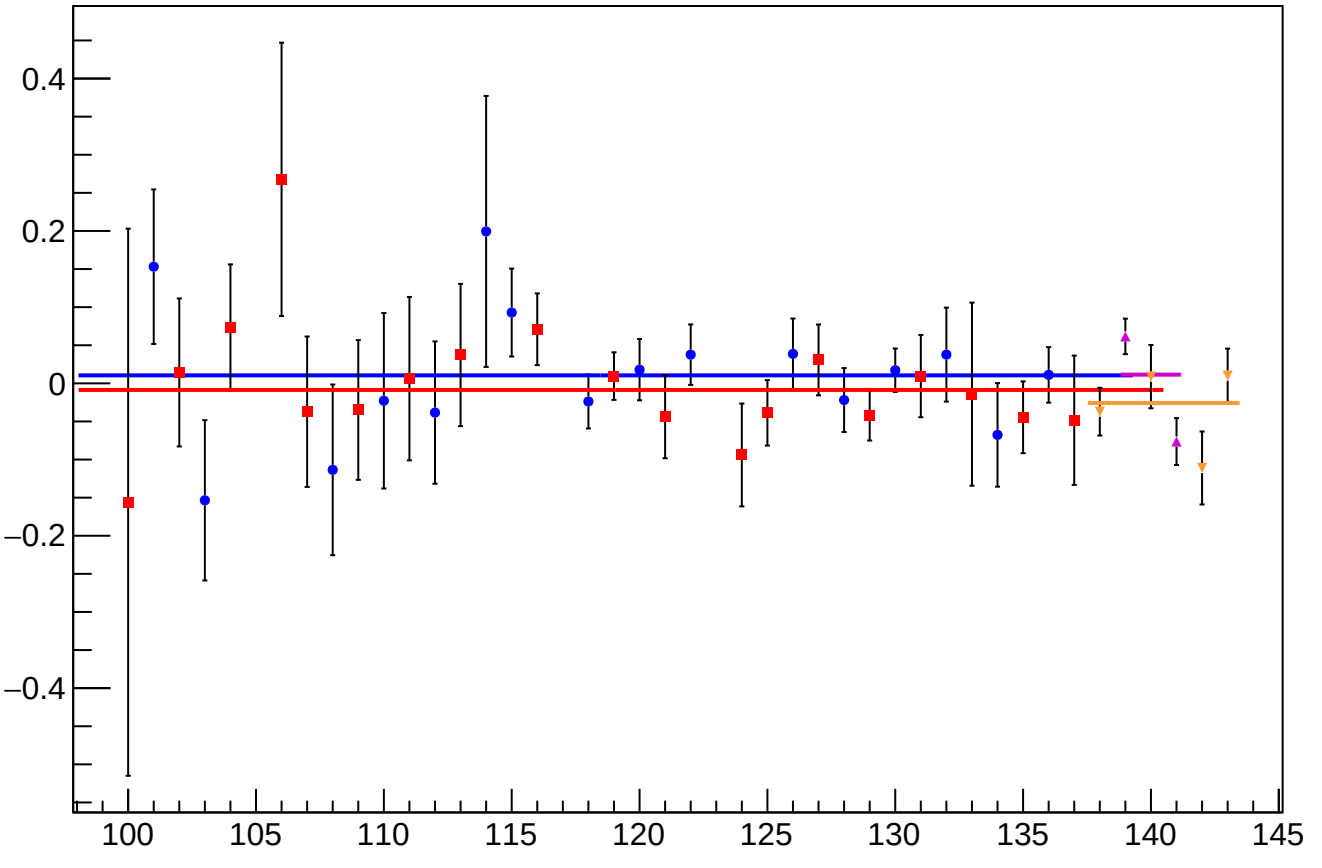
Left: 27.239+/-0.009 χ^2/NDF: 309684.4/5

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 27.784+/-0.007 χ^2/NDF:2667281.9/17

Out: 31.417+/-0.008 χ^2/NDF:2740114.7/22

All: 29.528+/-0.005 χ^2/NDF: 5524562.8/40



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.026+/-0.019 χ^2/NDF:5.0/3

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: -0.007+/-0.013 χ^2/NDF: 19.8/5

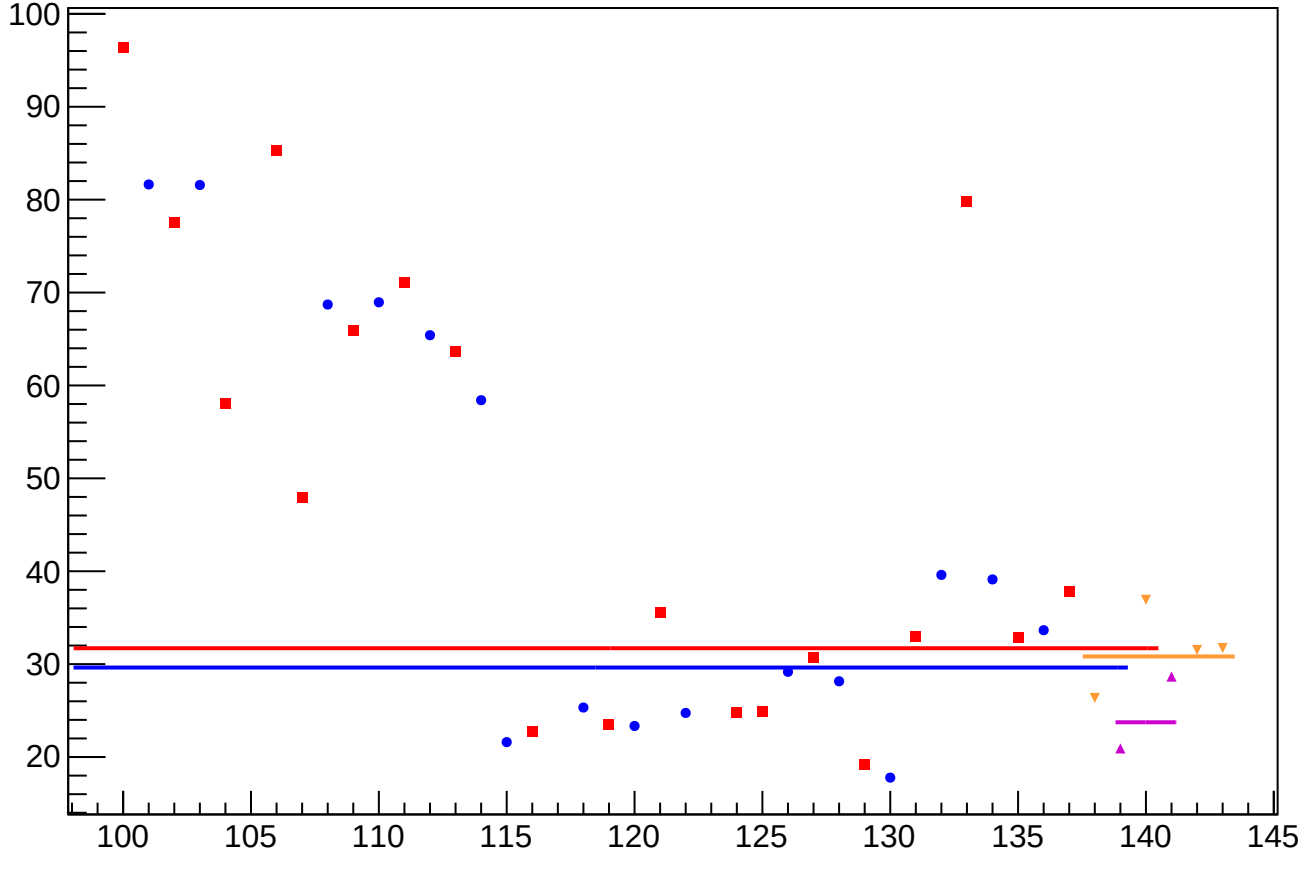
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.010 χ^2/NDF:25.9/17

Out: -0.014+/-0.011 χ^2/NDF:18.0/22

All: -0.001+/-0.008 χ^2/NDF: 46.7/40

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: 30.826+/-0.013 χ^2/NDF:85512.8/3

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 23.740+/-0.013 χ^2/NDF:80361.9/1

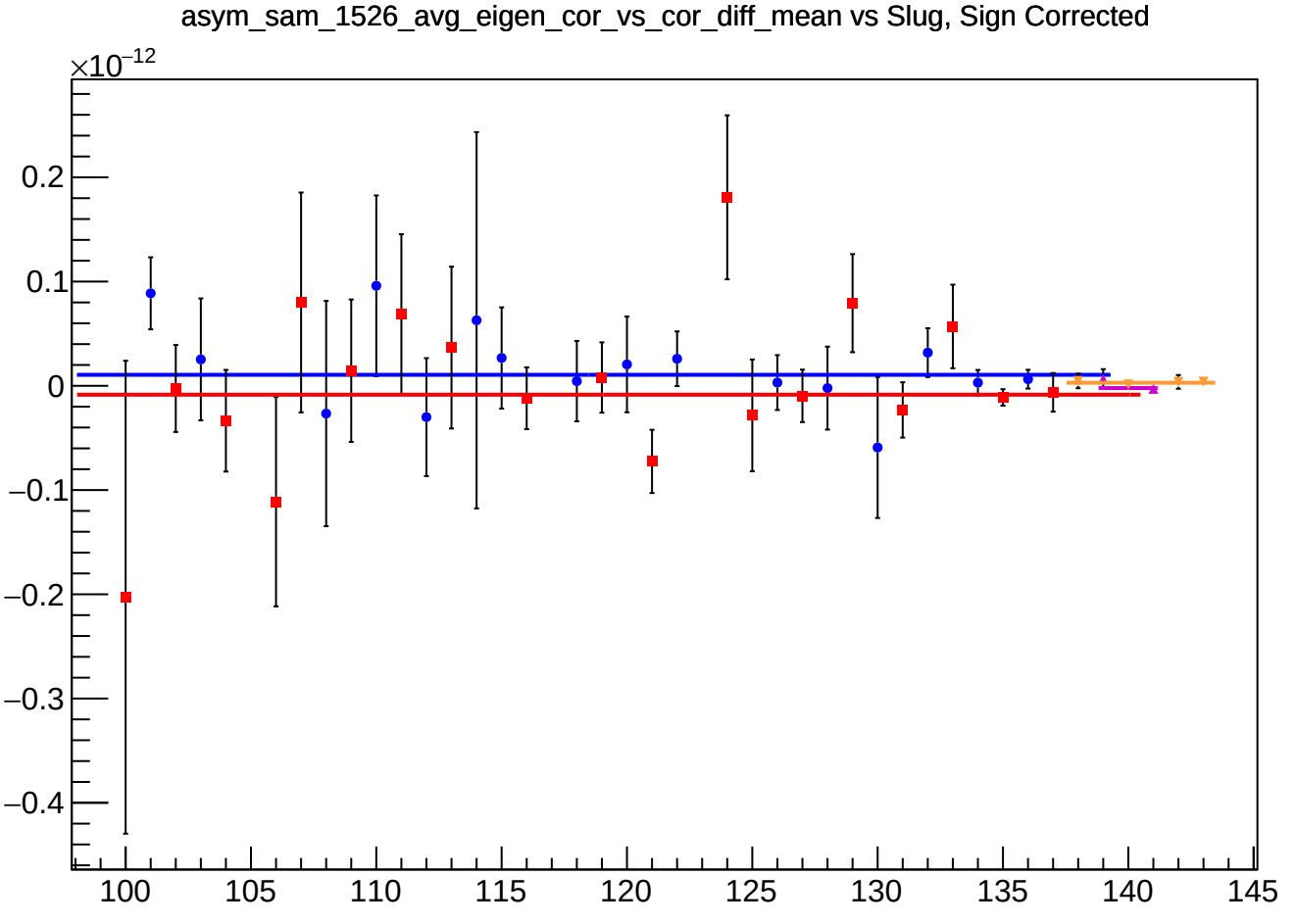
Left: 27.239+/-0.009 χ^2/NDF: 309684.4/5

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

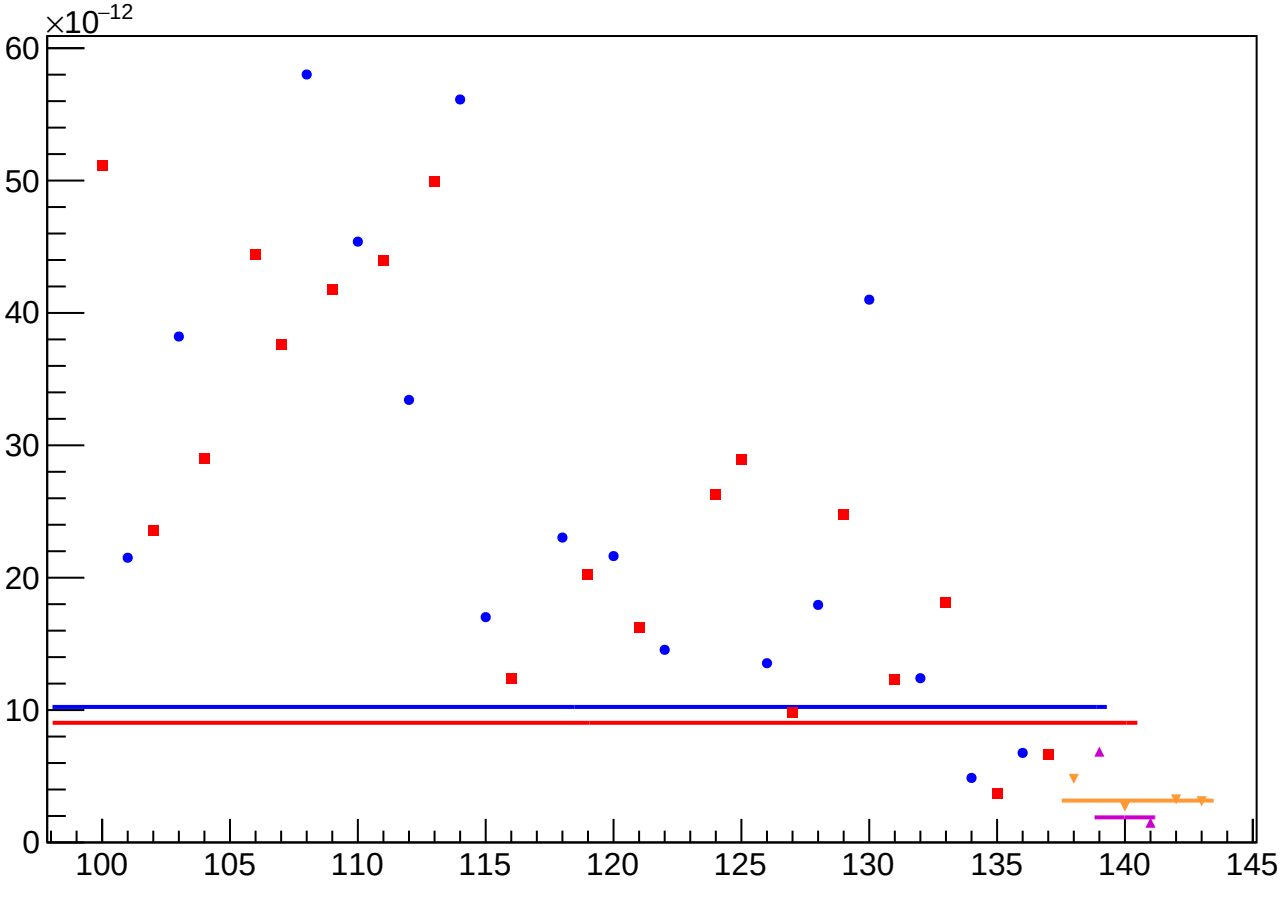
In: 27.784+/-0.007 χ^2/NDF:2667281.9/17

Out: 31.417+/-0.008 χ^2/NDF:2740114.7/22

All: 29.528+/-0.005 χ^2/NDF: 5524562.8/40


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
145
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/3
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: 3.3/5
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:24.9/22
All: 0.000+/-0.000 χ²/NDF: 39.9/40

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:140535.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:595359.1/1

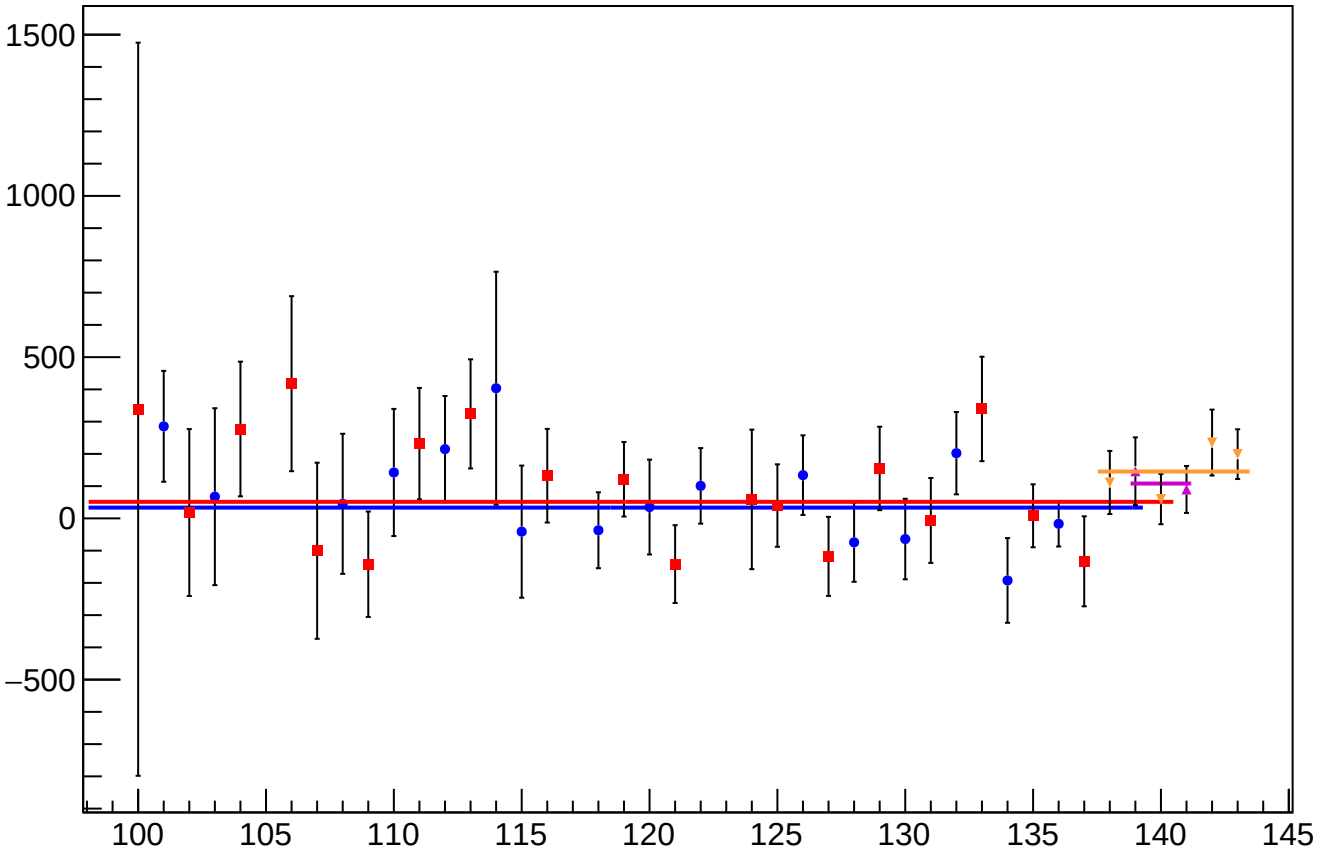
Left: 0.000+/-0.000 χ^2/NDF: 987643.5/5

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:6332667.7/22

All: 0.000+/-0.000 χ^2/NDF: 13824517.3/40



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.317+/-43.307 χ^2/NDF:2.6/3

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 108.038+/-59.822 χ^2/NDF:0.2/1

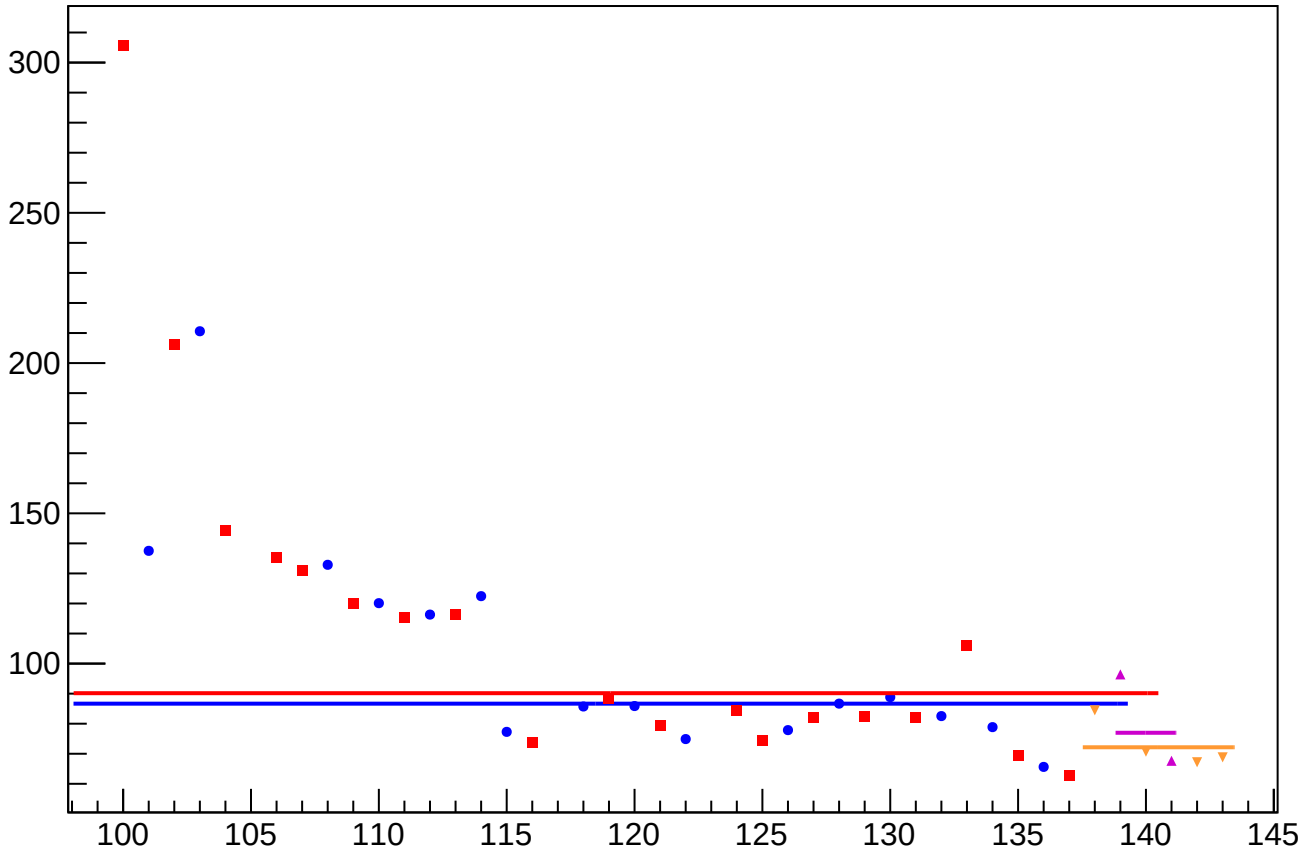
Left: 132.498+/-35.080 χ^2/NDF: 3.0/5

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 51.550+/-29.481 χ^2/NDF:14.2/17

Out: 88.275+/-27.151 χ^2/NDF:25.0/22

All: 71.421+/-19.972 χ^2/NDF: 40.0/40



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

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: 73.813+/-0.025 χ^2/NDF: 150544.5/5

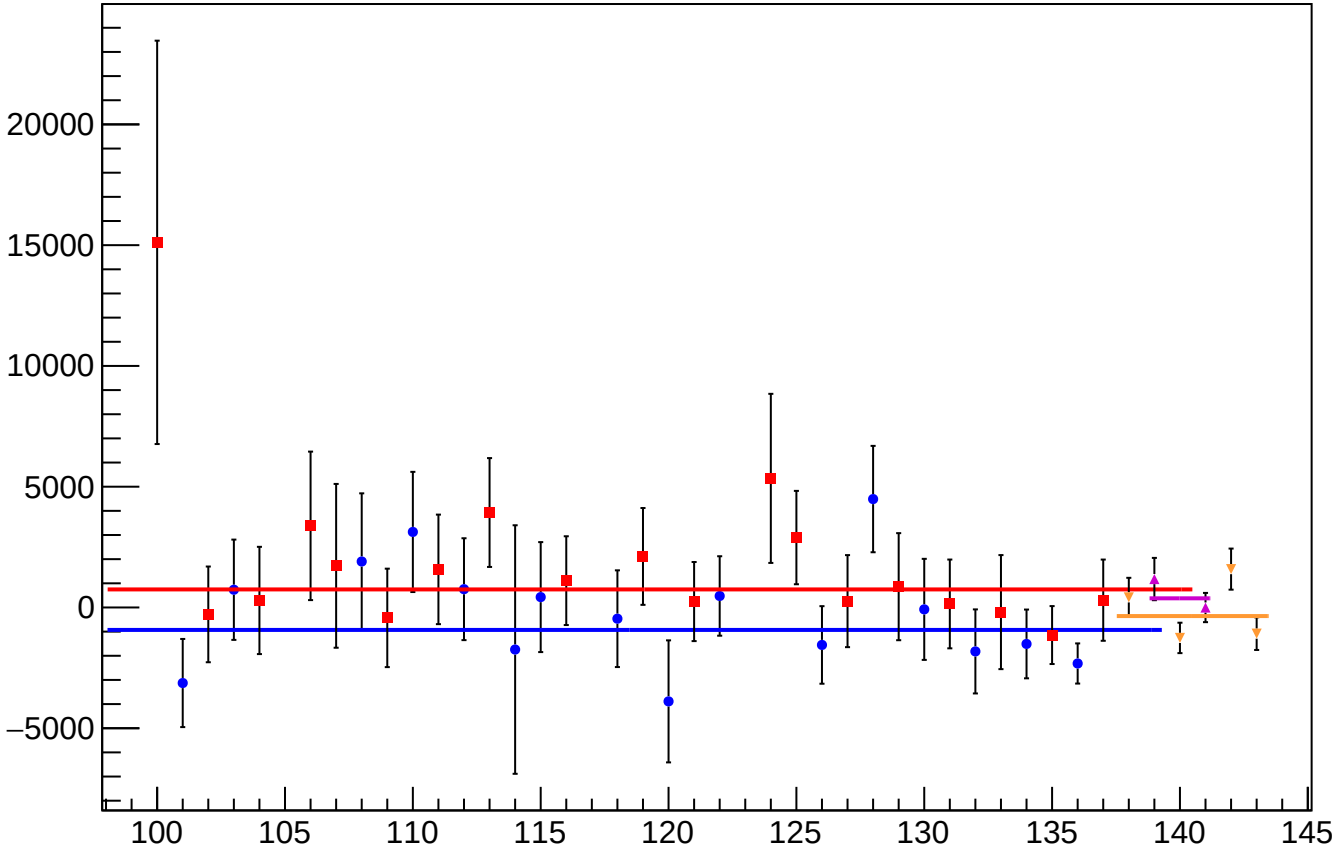
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 84.313+/-0.021 χ^2/NDF:1179706.3/17

Out: 83.078+/-0.019 χ^2/NDF:1400487.6/22

All: 83.645+/-0.014 χ^2/NDF: 2582094.1/40

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -356.046+/-362.238 χ^2/NDF:9.4/3

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 378.673+/-498.034 χ^2/NDF:1.2/1

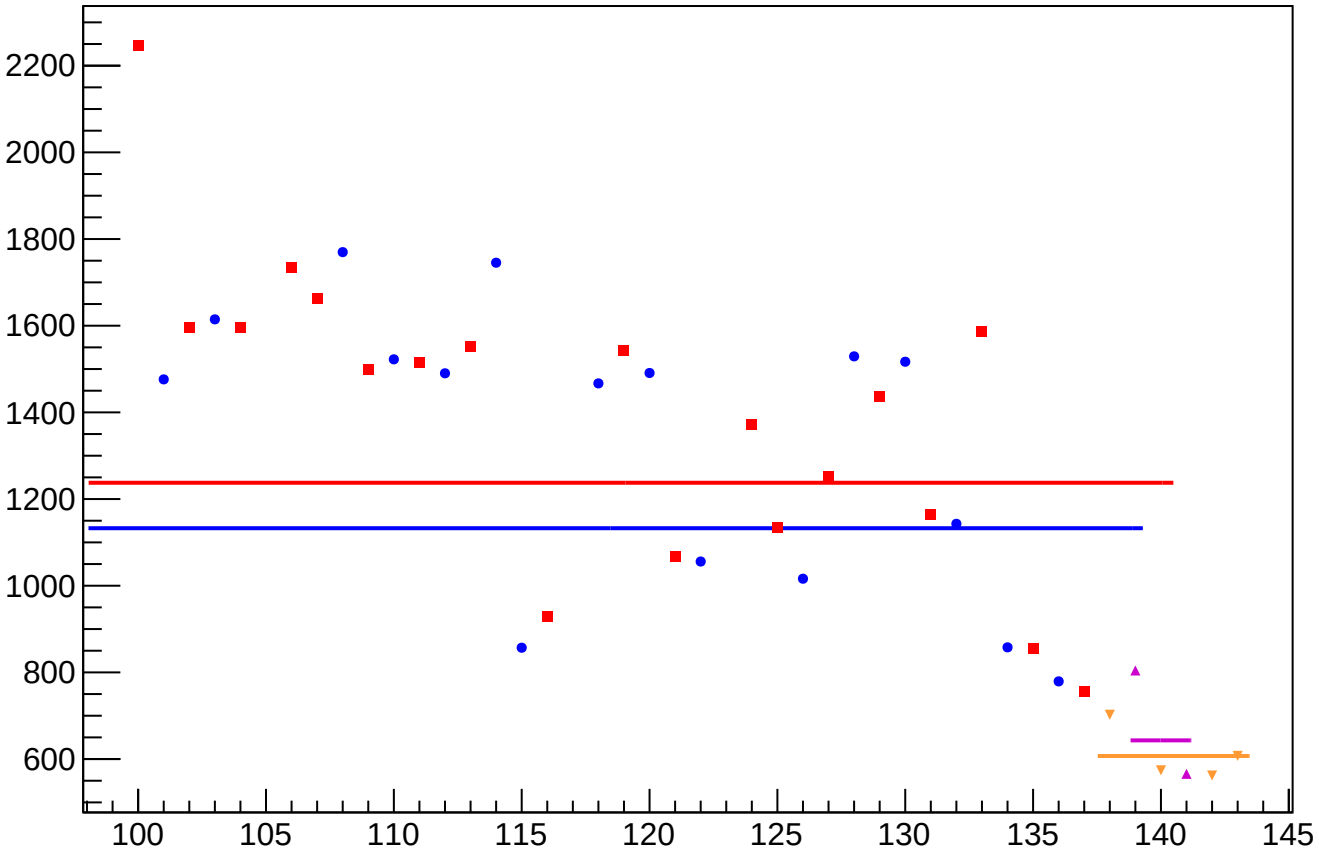
Left: -101.843+/-292.946 χ^2/NDF: 12.0/5

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -354.912+/-330.120 χ^2/NDF:23.6/17

Out: 57.389+/-286.433 χ^2/NDF:25.8/22

All: -119.693+/-216.348 χ^2/NDF: 50.4/40



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 607.083+/-0.256 χ^2/NDF:38832.5/3

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 643.133+/-0.352 χ^2/NDF:100315.2/1

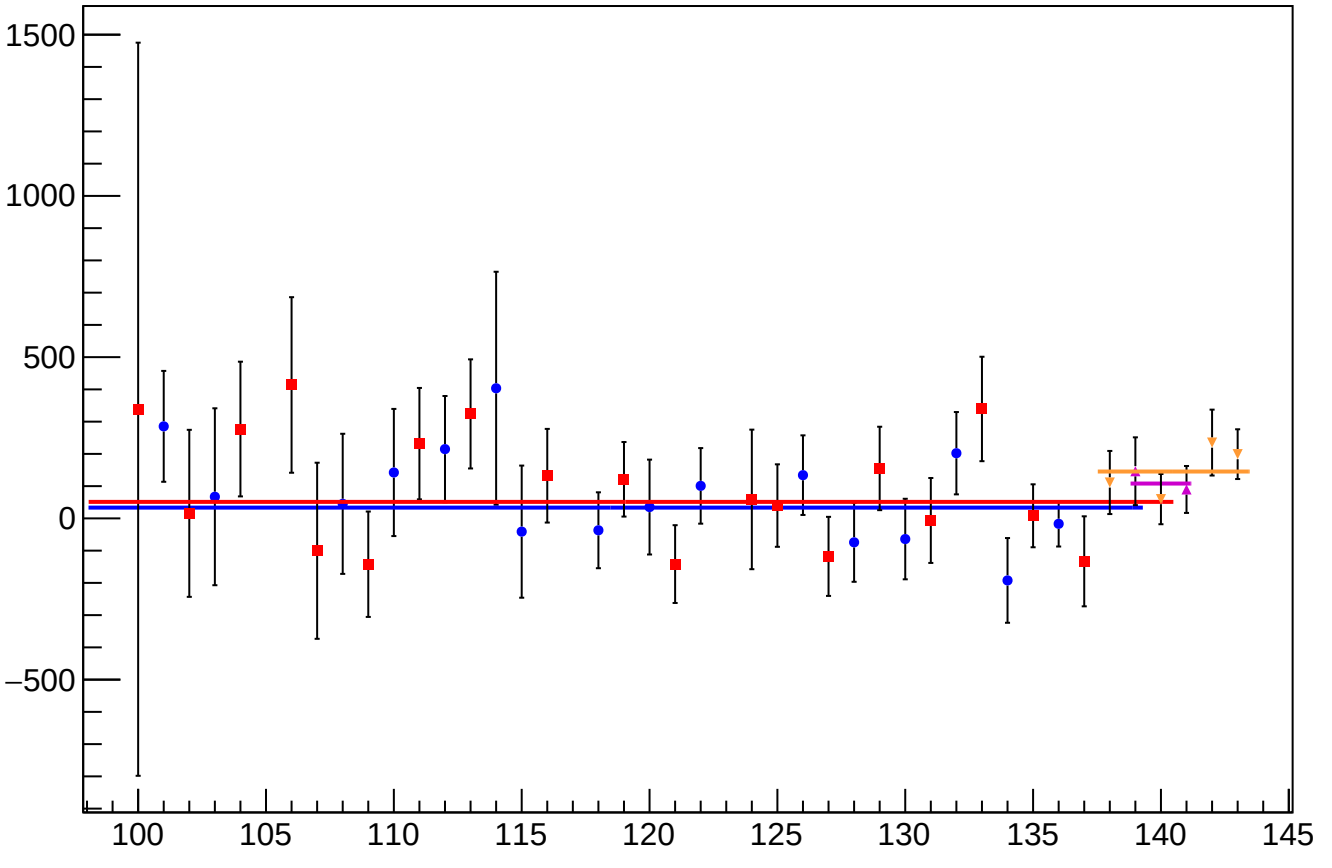
Left: 619.555+/-0.207 χ^2/NDF: 146001.2/5

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 917.593+/-0.233 χ^2/NDF:2307881.1/17

Out: 843.363+/-0.203 χ^2/NDF:3204840.0/22

All: 875.244+/-0.153 χ^2/NDF: 5570412.8/40



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.319+/-43.307 χ^2/NDF:2.6/3

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 108.042+/-59.822 χ^2/NDF:0.2/1

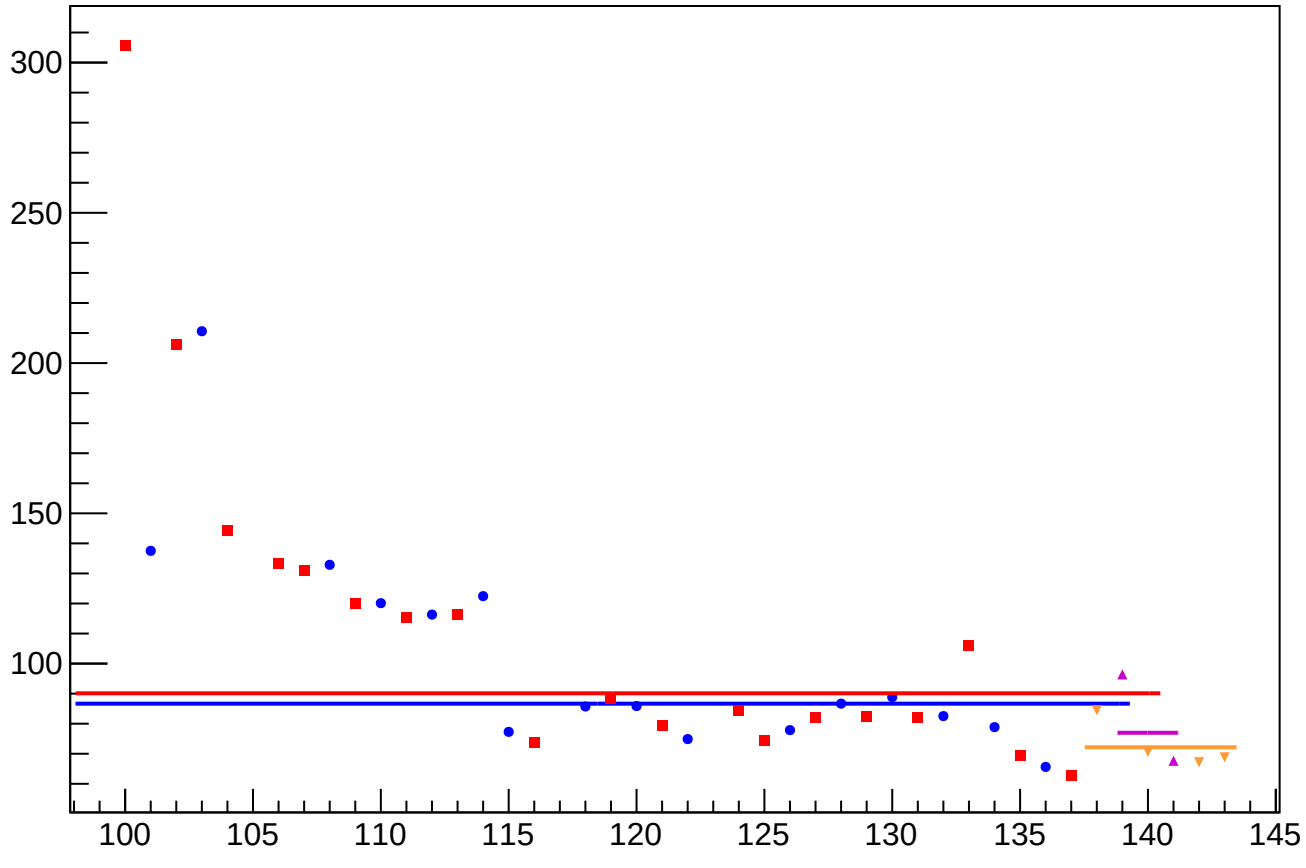
Left: 132.500+/-35.080 χ^2/NDF: 3.0/5

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 51.545+/-29.481 χ^2/NDF:14.2/17

Out: 88.189+/-27.152 χ^2/NDF:25.0/22

All: 71.371+/-19.972 χ^2/NDF: 40.0/40



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

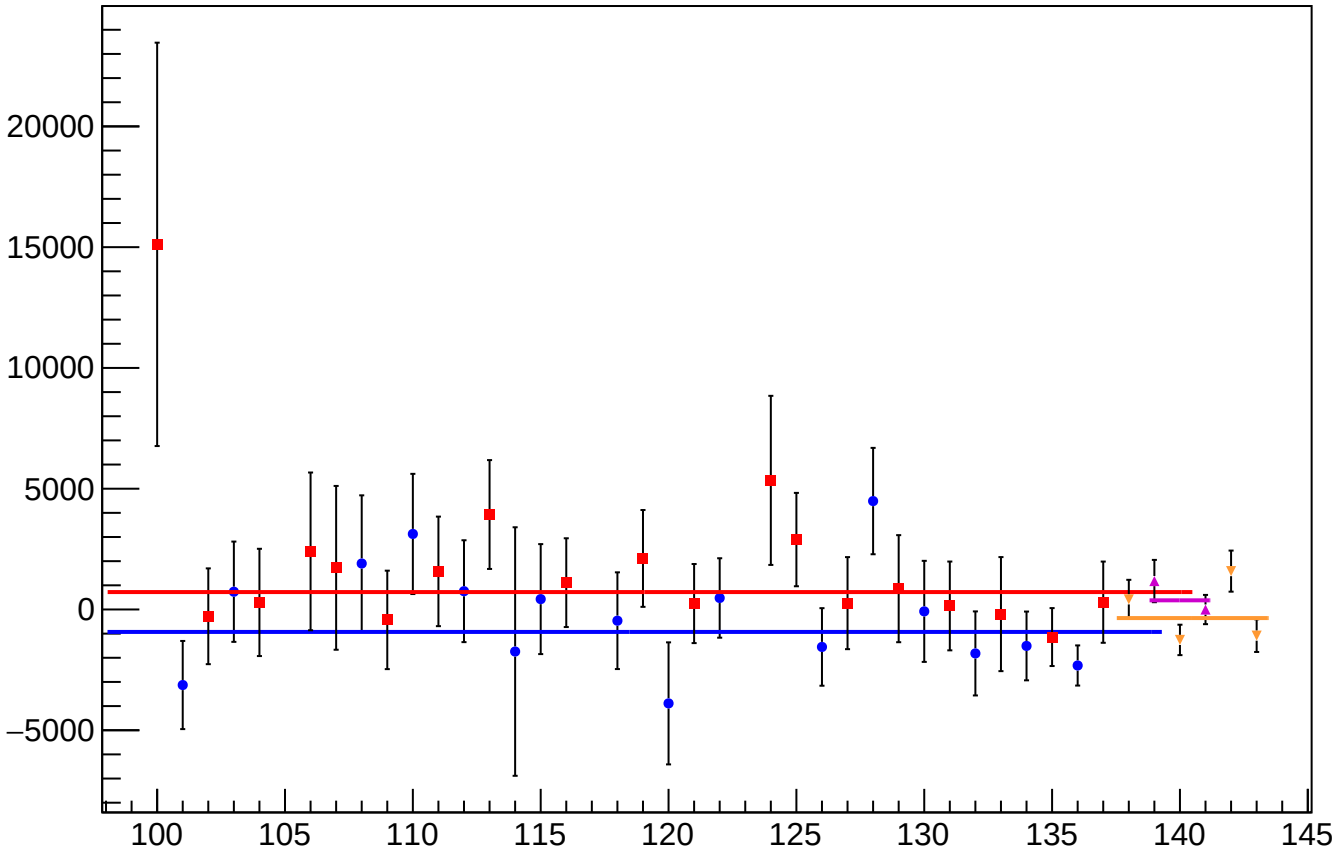
Left: 73.813+/-0.025 χ^2/NDF: 150544.5/5

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 84.313+/-0.021 χ^2/NDF:1179709.1/17

Out: 83.055+/-0.019 χ^2/NDF:1394920.9/22

All: 83.633+/-0.014 χ^2/NDF: 2576601.5/40



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -356.036+/-362.238 χ^2/NDF:9.4/3

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 378.677+/-498.034 χ^2/NDF:1.2/1

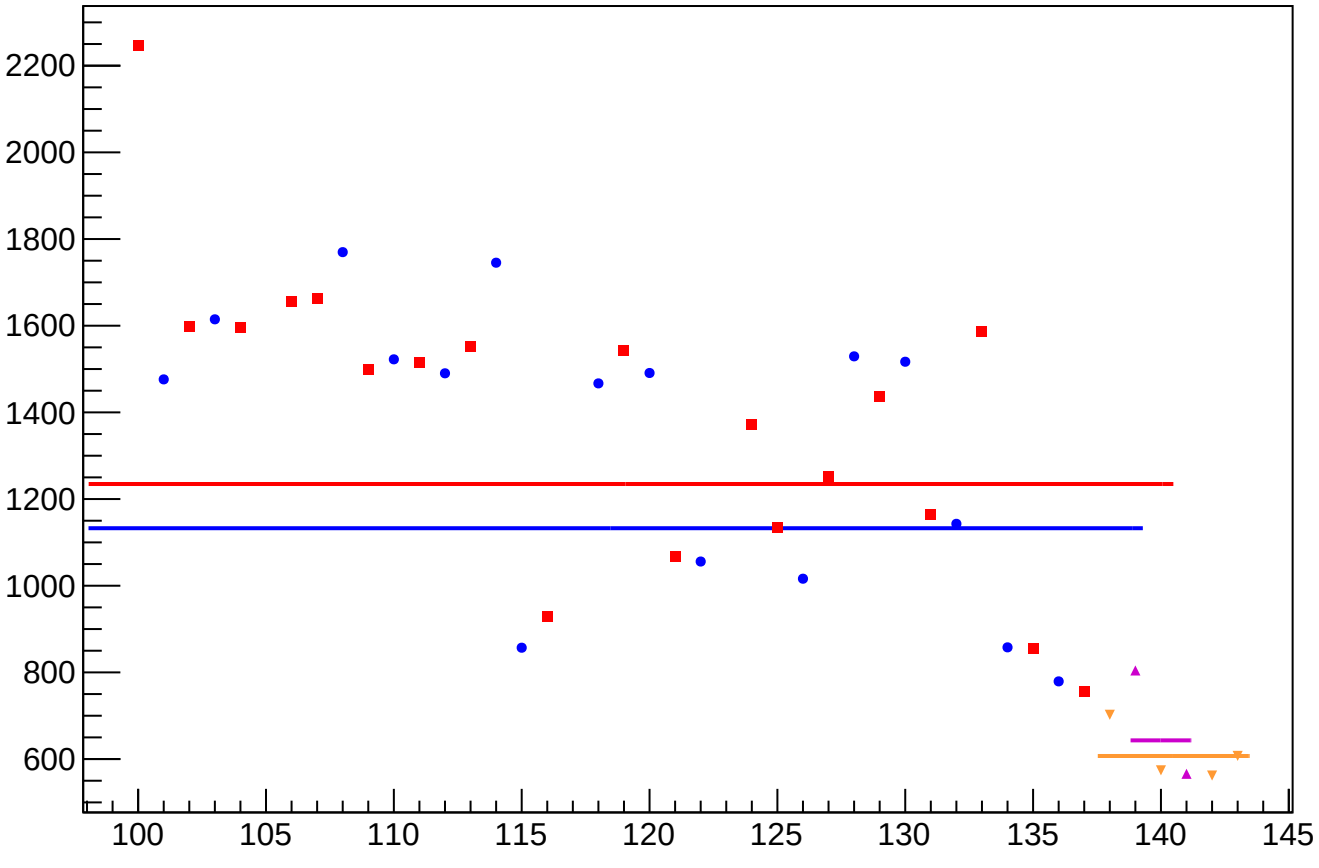
Left: -101.836+/-292.946 χ^2/NDF: 12.0/5

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -354.890+/-330.121 χ^2/NDF:23.6/17

Out: 46.741+/-286.579 χ^2/NDF:25.2/22

All: -125.858+/-216.411 χ^2/NDF: 49.7/40



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 607.082+/-0.256 χ^2/NDF:38832.6/3

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 643.133+/-0.352 χ^2/NDF:100314.2/1

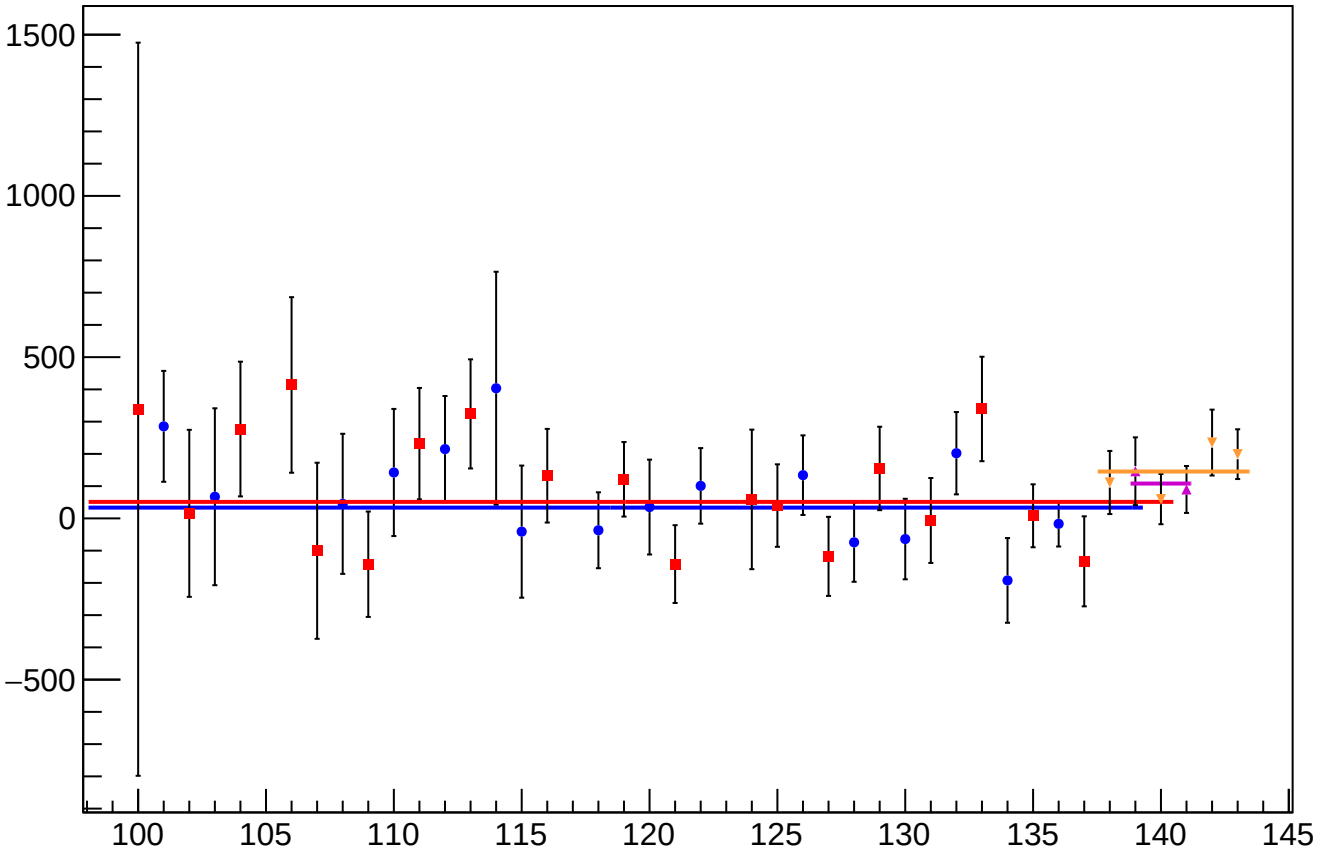
Left: 619.555+/-0.207 χ^2/NDF: 146000.7/5

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 917.594+/-0.233 χ^2/NDF:2307915.2/17

Out: 841.882+/-0.203 χ^2/NDF:3161259.5/22

All: 874.419+/-0.153 χ^2/NDF: 5529166.0/40



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 145.319+/-43.307 χ^2/NDF:2.6/3

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 108.042+/-59.822 χ^2/NDF:0.2/1

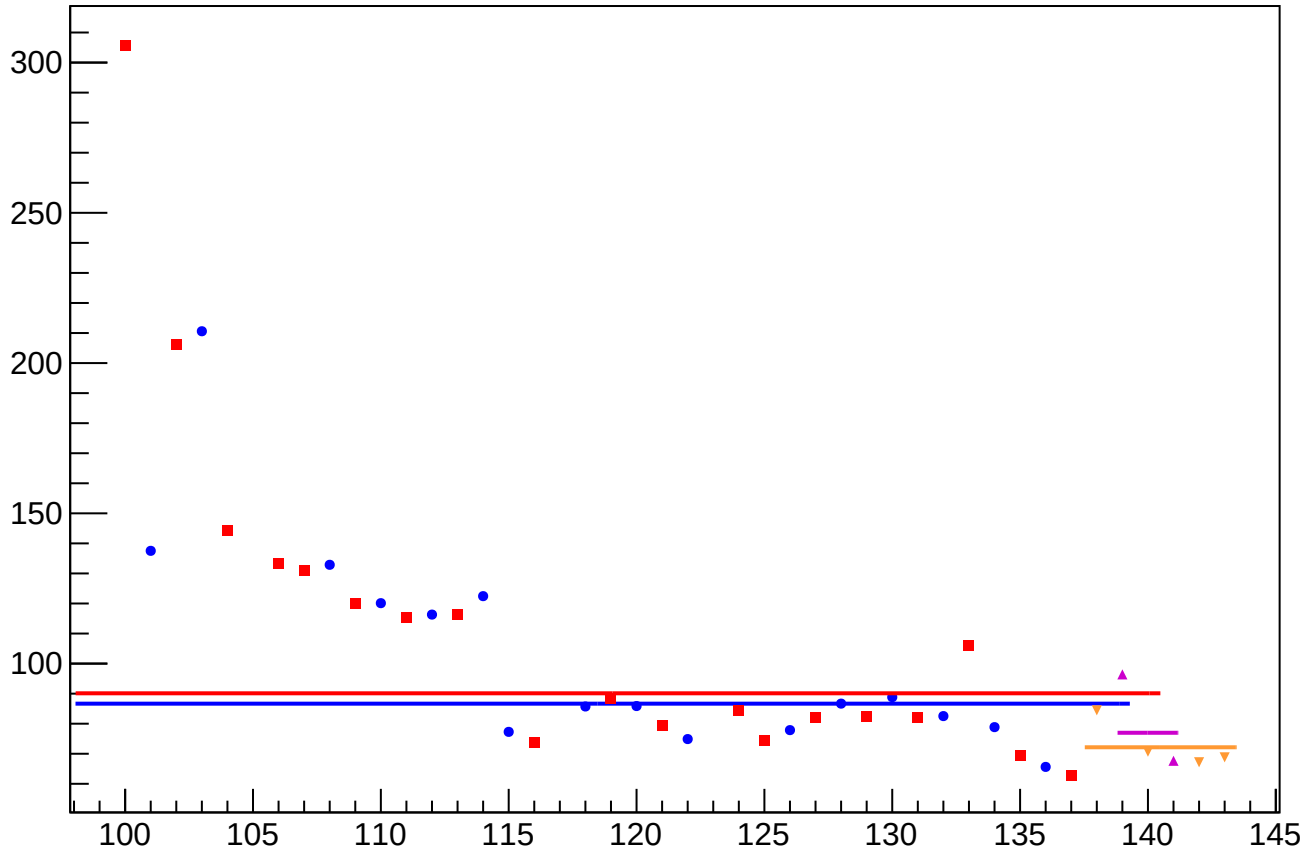
Left: 132.500+/-35.080 χ^2/NDF: 3.0/5

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 51.545+/-29.481 χ^2/NDF:14.2/17

Out: 88.189+/-27.152 χ^2/NDF:25.0/22

All: 71.371+/-19.972 χ^2/NDF: 40.0/40



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 72.153+/-0.031 χ^2/NDF:40822.4/3

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 76.979+/-0.042 χ^2/NDF:101183.8/1

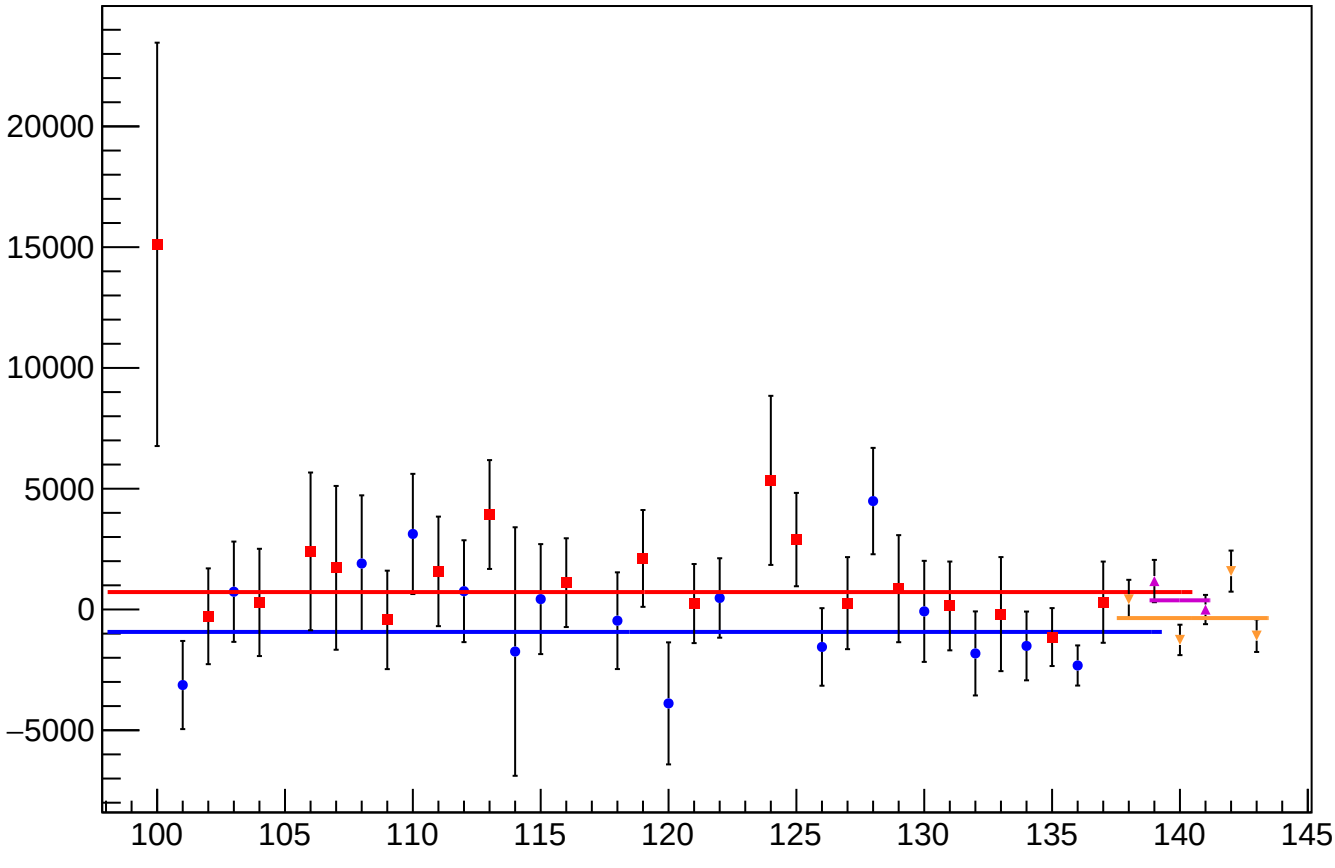
Left: 73.813+/-0.025 χ^2/NDF: 150544.5/5

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 84.313+/-0.021 χ^2/NDF:1179709.1/17

Out: 83.055+/-0.019 χ^2/NDF:1394920.9/22

All: 83.633+/-0.014 χ^2/NDF: 2576601.5/40



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -356.036+/-362.238 χ^2/NDF:9.4/3

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 378.677+/-498.034 χ^2/NDF:1.2/1

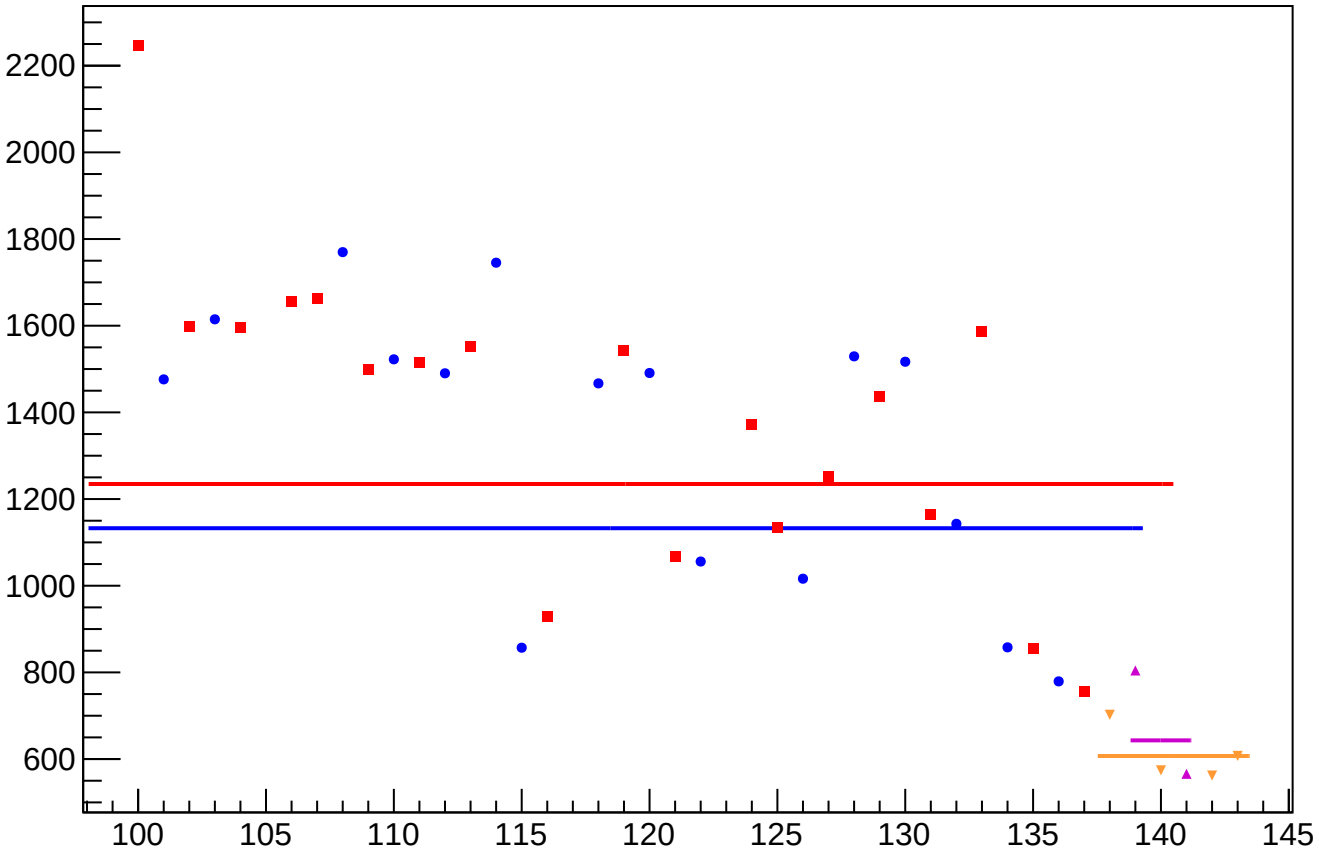
Left: -101.836+/-292.946 χ^2/NDF: 12.0/5

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -354.890+/-330.121 χ^2/NDF:23.6/17

Out: 46.741+/-286.579 χ^2/NDF:25.2/22

All: -125.858+/-216.411 χ^2/NDF: 49.7/40



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 607.082+/-0.256 χ^2/NDF:38832.6/3

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 643.133+/-0.352 χ^2/NDF:100314.2/1

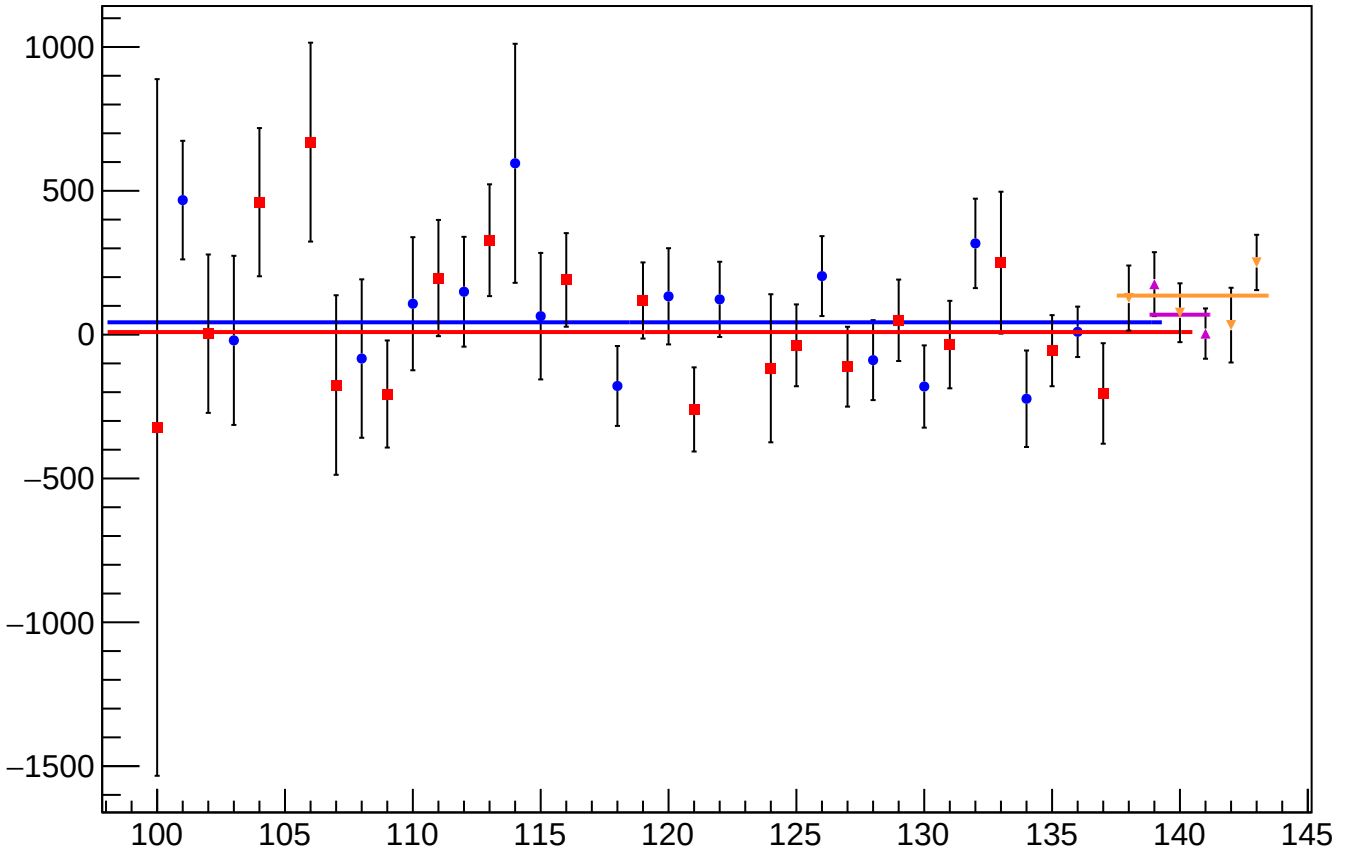
Left: 619.555+/-0.207 χ^2/NDF: 146000.7/5

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 917.594+/-0.233 χ^2/NDF:2307915.2/17

Out: 841.882+/-0.203 χ^2/NDF:3161259.5/22

All: 874.419+/-0.153 χ^2/NDF: 5529166.0/40



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 135.788+/-54.120 χ^2/NDF:2.4/3

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 69.390+/-68.733 χ^2/NDF:1.5/1

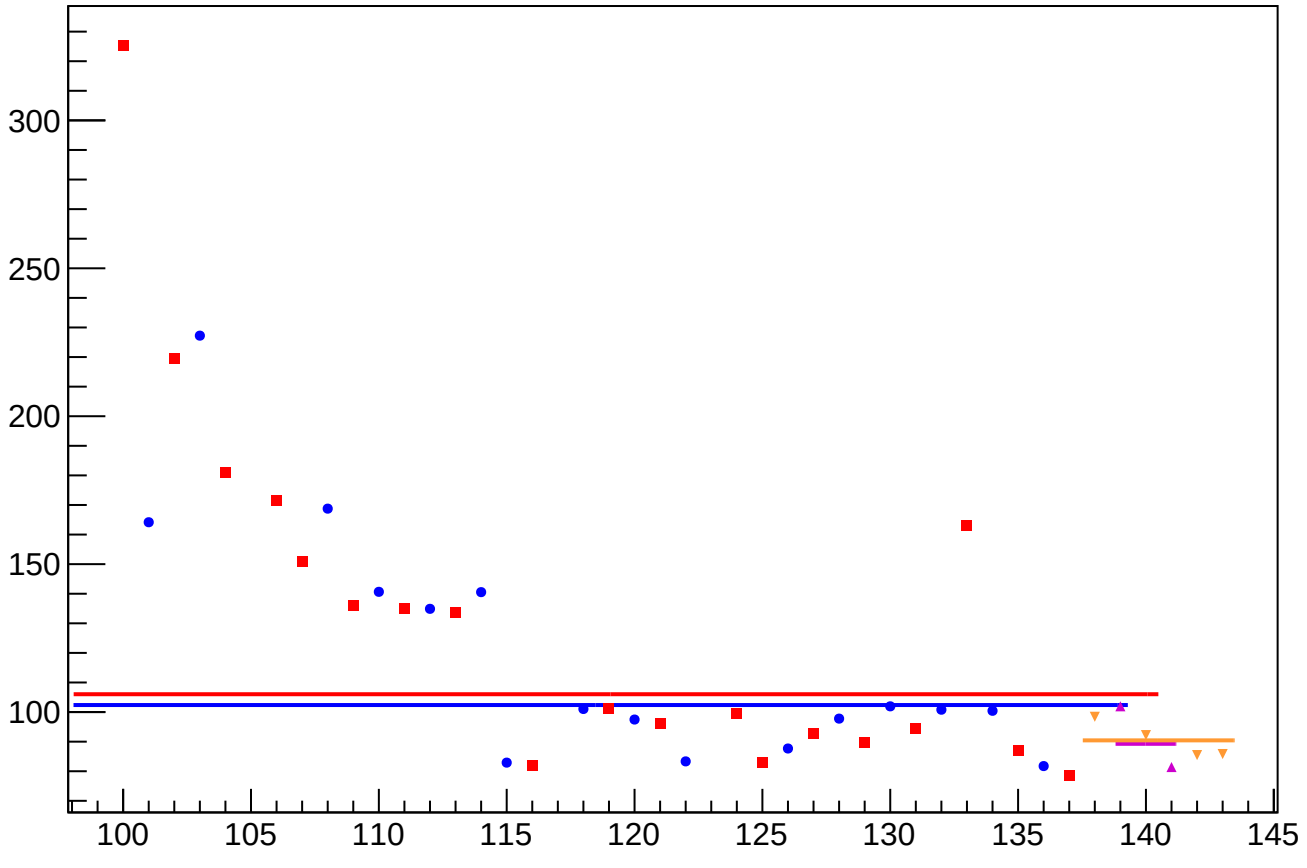
Left: 110.377+/-42.521 χ^2/NDF: 4.5/5

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 49.600+/-34.538 χ^2/NDF:21.9/17

Out: 55.310+/-32.711 χ^2/NDF:27.2/22

All: 52.610+/-23.750 χ^2/NDF: 49.1/40



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 90.435+/-0.038 χ^2/NDF:18110.7/3

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: 89.990+/-0.030 χ^2/NDF: 60619.8/5

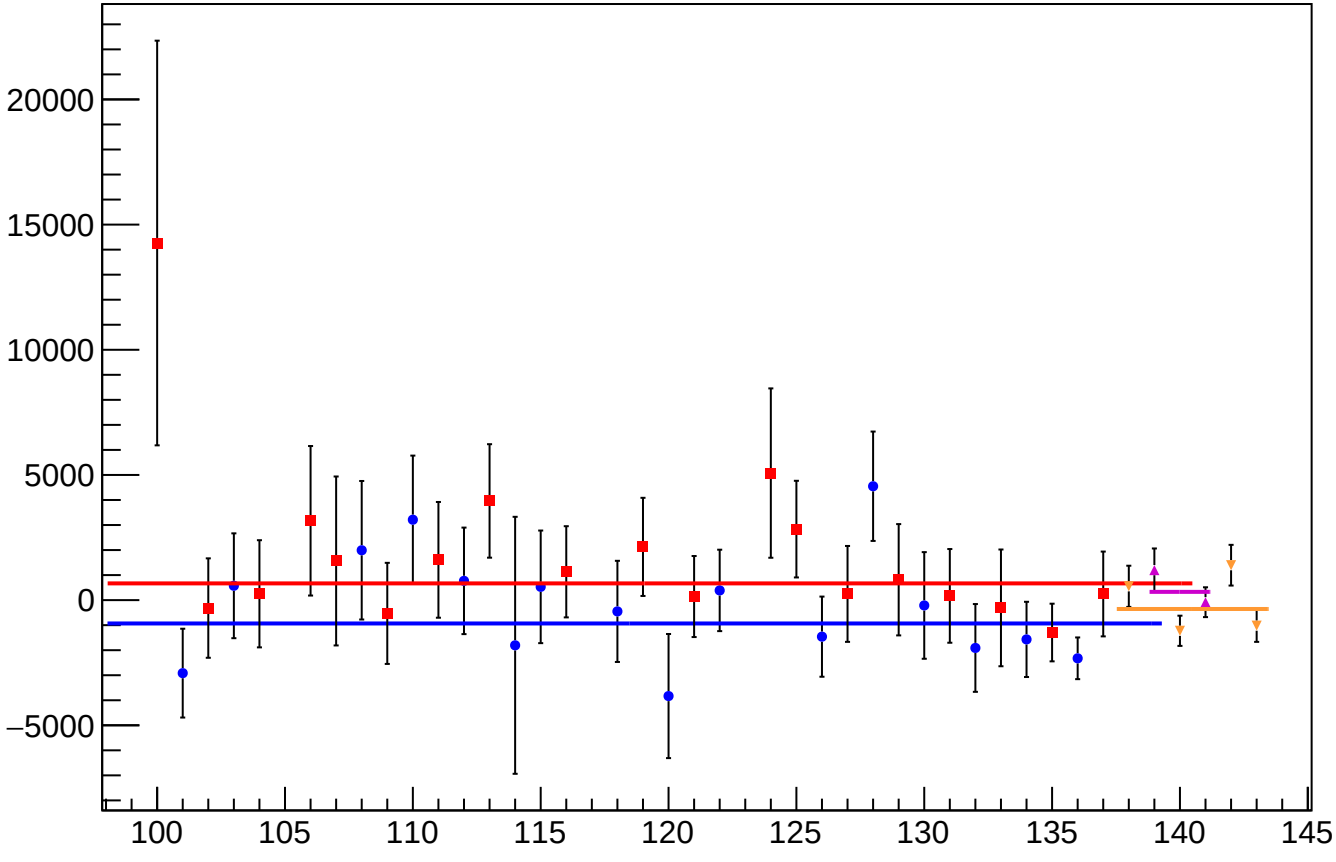
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 99.069+/-0.024 χ^2/NDF:1078831.7/17

Out: 100.334+/-0.023 χ^2/NDF:1314837.2/22

All: 99.736+/-0.017 χ^2/NDF: 2395084.6/40

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -353.731+/-350.836 χ^2/NDF:9.0/3

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 329.991+/-490.452 χ^2/NDF:1.5/1

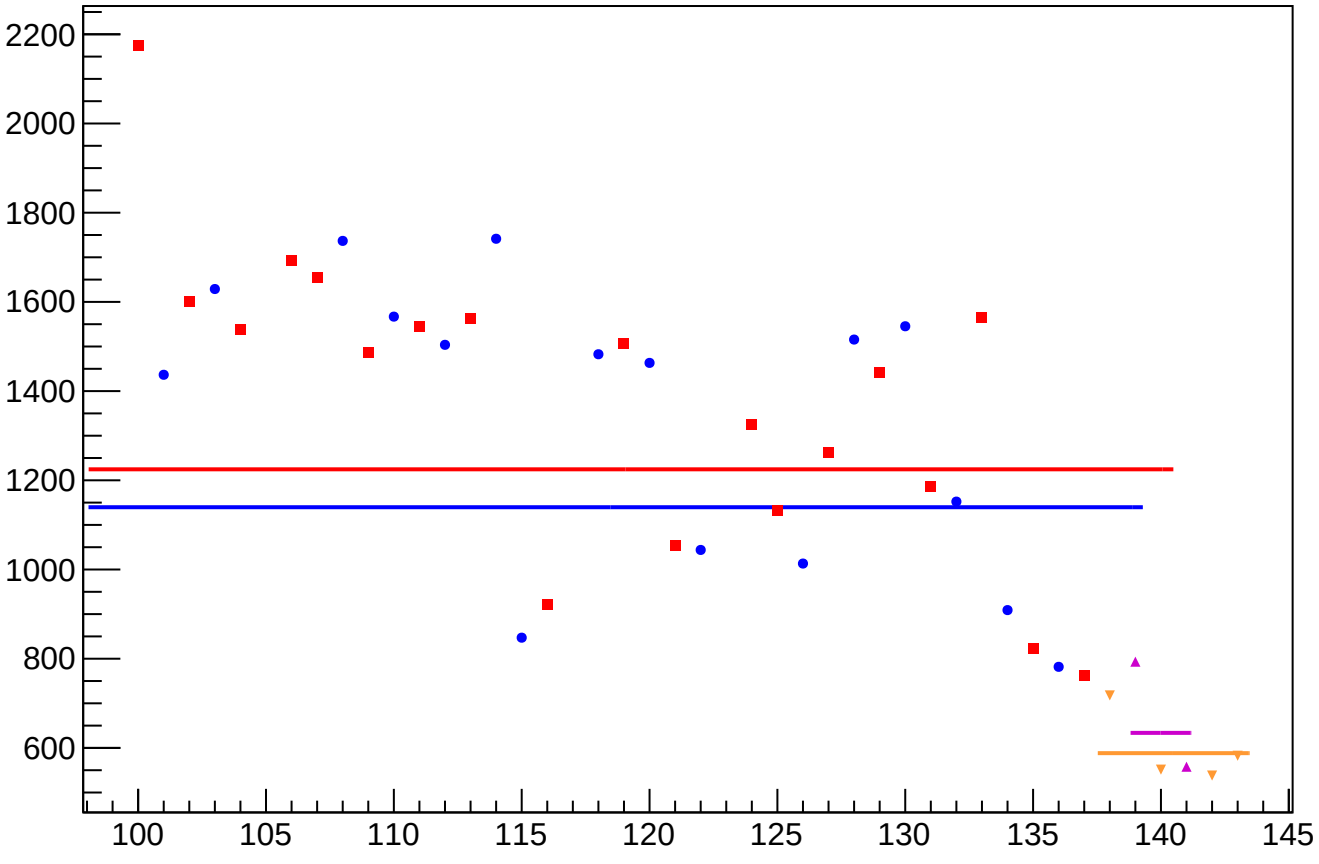
Left: -122.296+/-285.346 χ^2/NDF: 11.8/5

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -365.591+/-328.635 χ^2/NDF:23.6/17

Out: 18.915+/-279.672 χ^2/NDF:25.5/22

All: -142.588+/-212.987 χ^2/NDF: 50.0/40



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 588.252+/-0.248 χ^2/NDF:64855.5/3

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 633.724+/-0.347 χ^2/NDF:100693.4/1

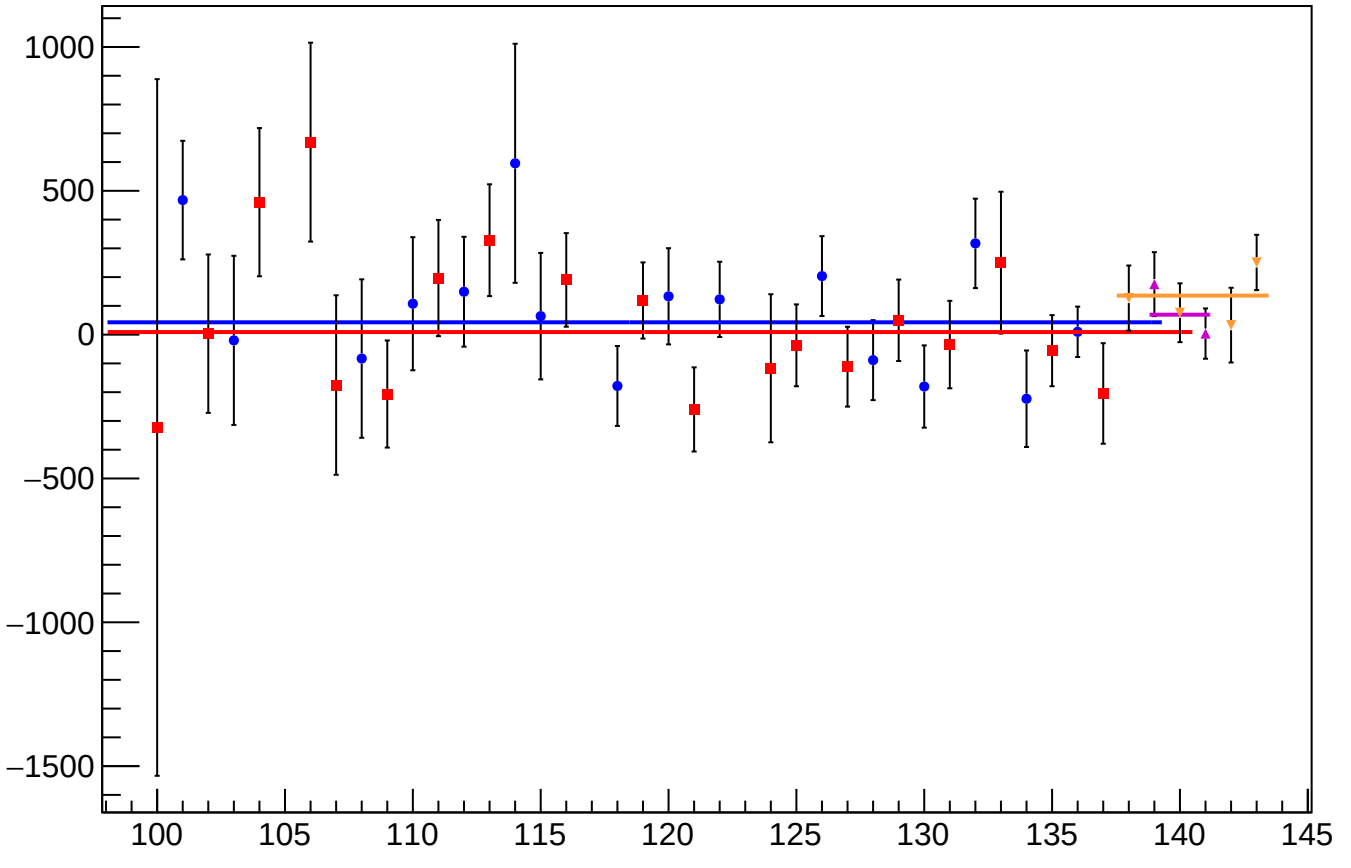
Left: 603.644+/-0.202 χ^2/NDF: 176921.5/5

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 912.500+/-0.232 χ^2/NDF:2366796.9/17

Out: 820.236+/-0.198 χ^2/NDF:3386081.3/22

All: 858.989+/-0.151 χ^2/NDF: 5844303.7/40



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 135.788+/-54.121 χ^2/NDF:2.4/3

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 69.391+/-68.733 χ^2/NDF:1.5/1

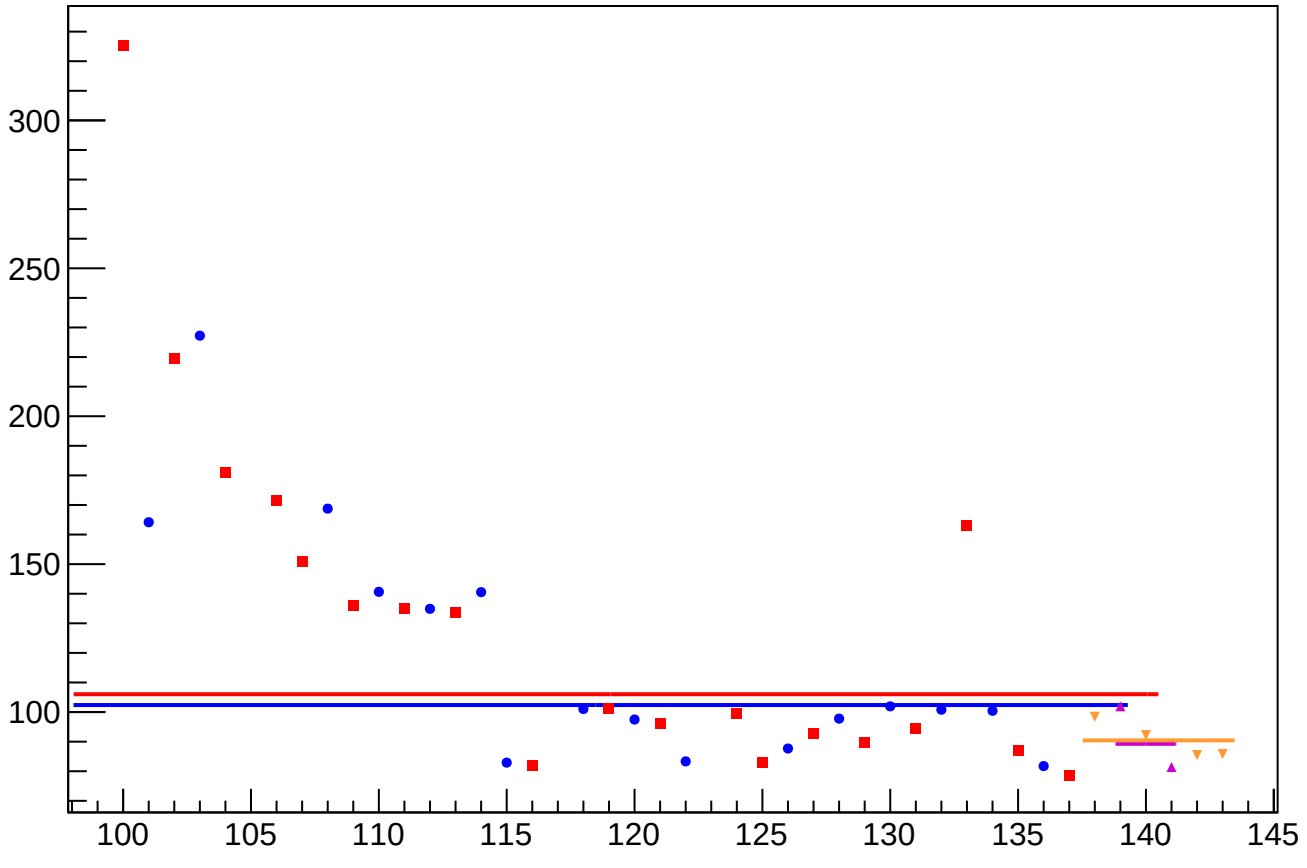
Left: 110.377+/-42.521 χ^2/NDF: 4.5/5

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 49.600+/-34.538 χ^2/NDF:21.9/17

Out: 55.308+/-32.711 χ^2/NDF:27.2/22

All: 52.609+/-23.750 χ^2/NDF: 49.1/40



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 90.435+/-0.038 χ^2/NDF:18109.0/3

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: 89.990+/-0.030 χ^2/NDF: 60617.5/5

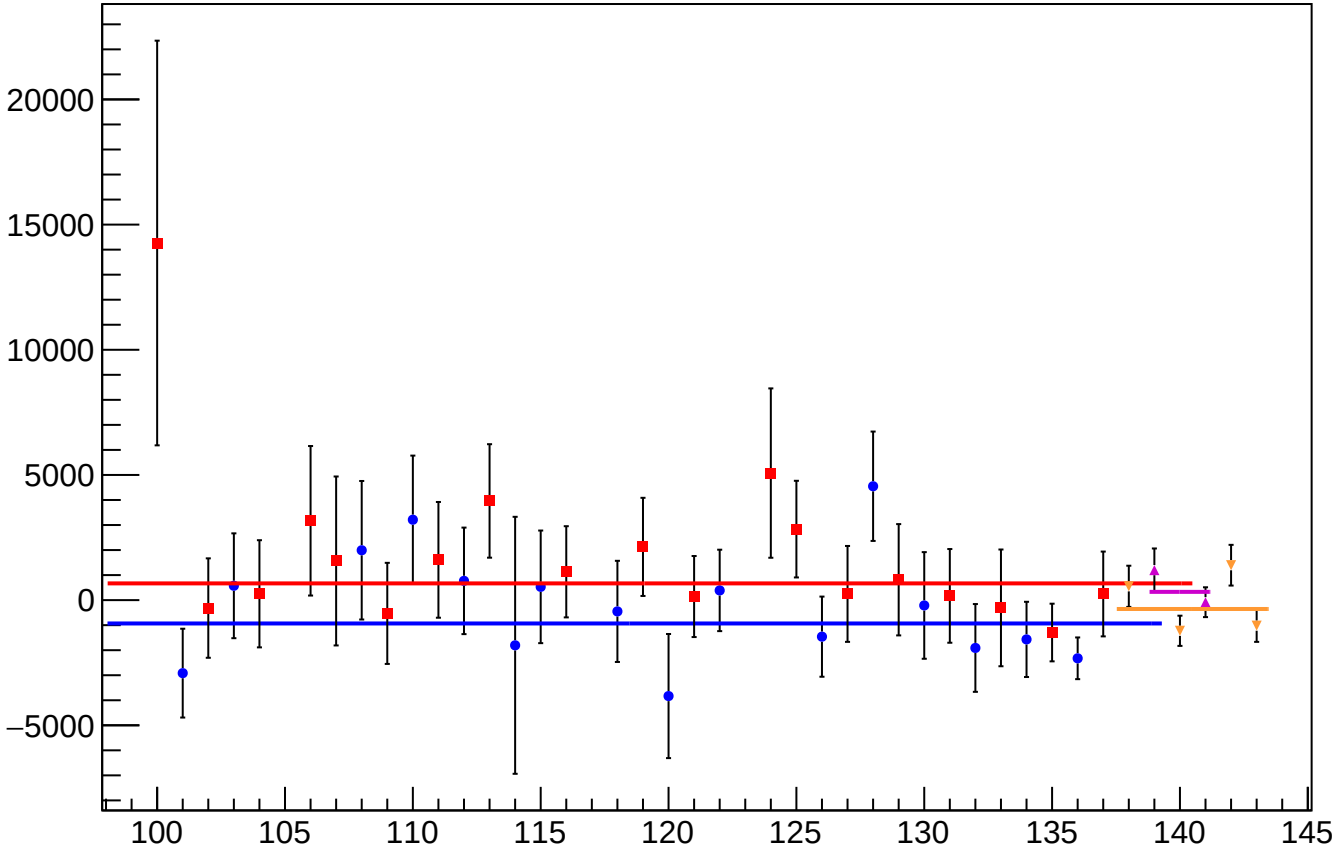
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 99.069+/-0.024 χ^2/NDF:1078822.1/17

Out: 100.334+/-0.023 χ^2/NDF:1314834.3/22

All: 99.736+/-0.017 χ^2/NDF: 2395072.3/40

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -353.733+/-350.835 χ^2/NDF:9.0/3

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: -122.297+/-285.345 χ^2/NDF: 11.8/5

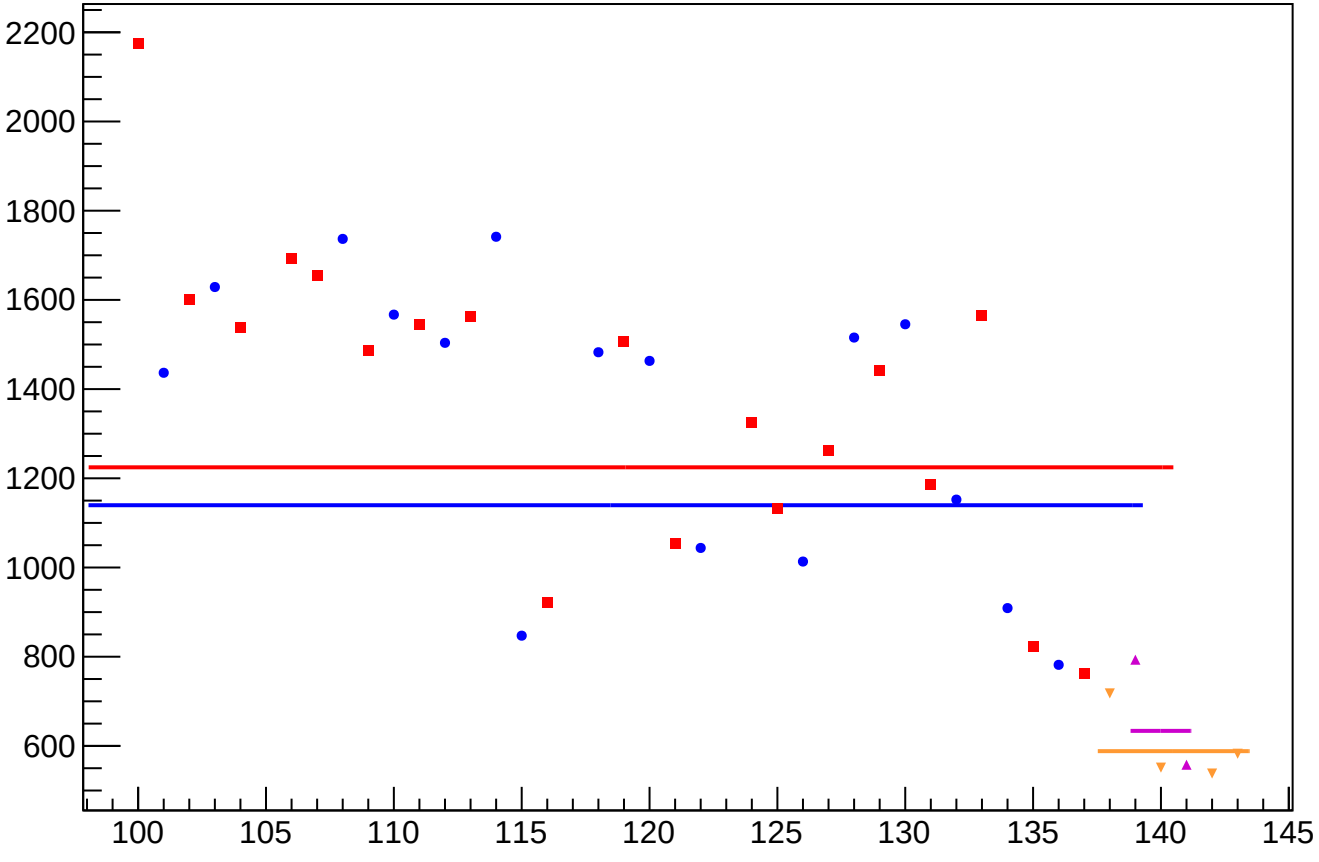
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -365.589+/-328.635 χ^2/NDF:23.6/17

Out: 18.915+/-279.672 χ^2/NDF:25.5/22

All: -142.587+/-212.987 χ^2/NDF: 50.0/40

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: 588.252+/-0.248 χ^2/NDF:64854.1/3

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 633.724+/-0.347 χ^2/NDF:100691.8/1

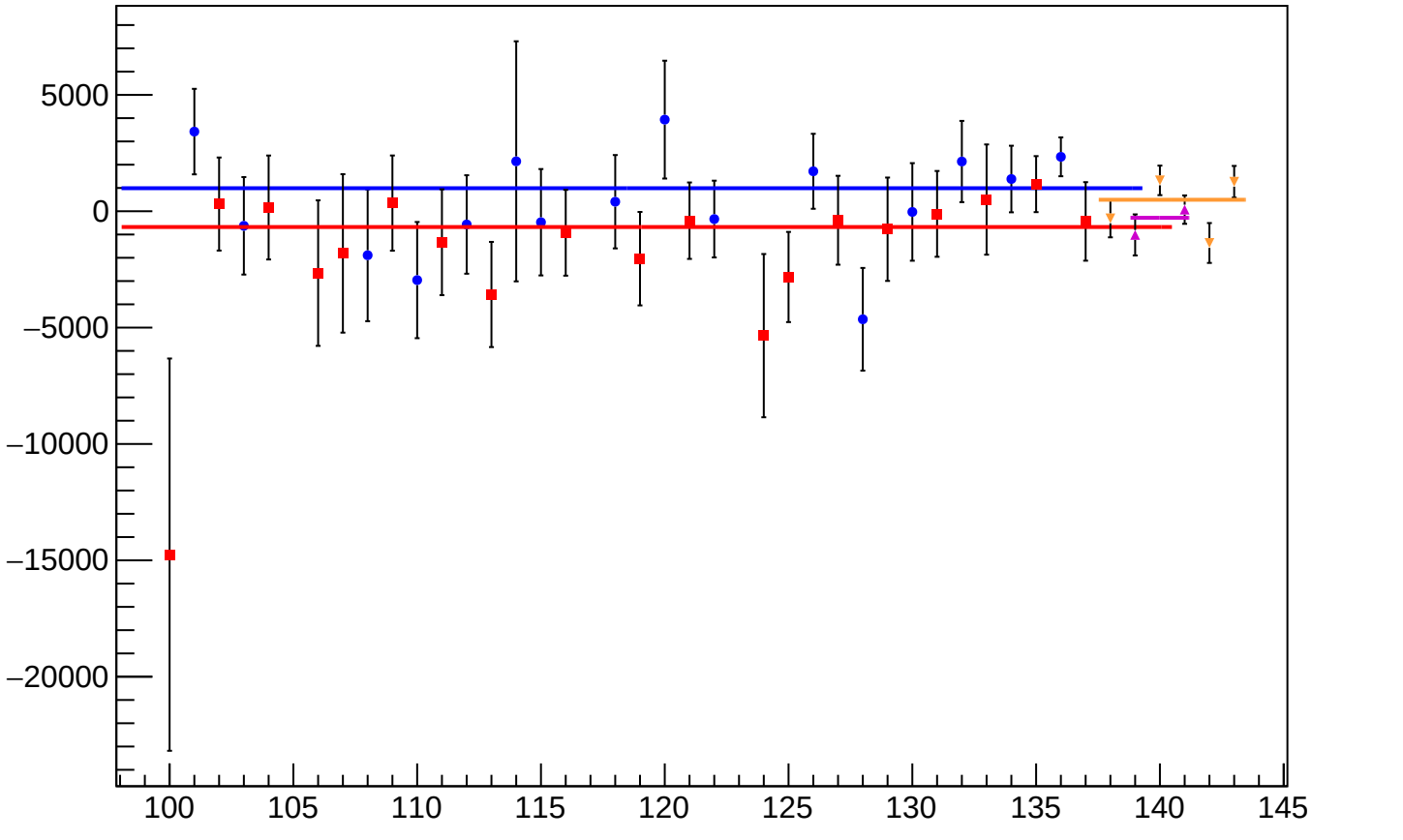
Left: 603.644+/-0.202 χ^2/NDF: 176918.5/5

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 912.499+/-0.232 χ^2/NDF:2366780.9/17

Out: 820.236+/-0.198 χ^2/NDF:3386065.0/22

All: 858.989+/-0.151 χ^2/NDF: 5844271.3/40



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 493.406+/-364.878 χ^2/NDF:8.7/3

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: 225.121+/-295.082 χ^2/NDF: 11.3/5

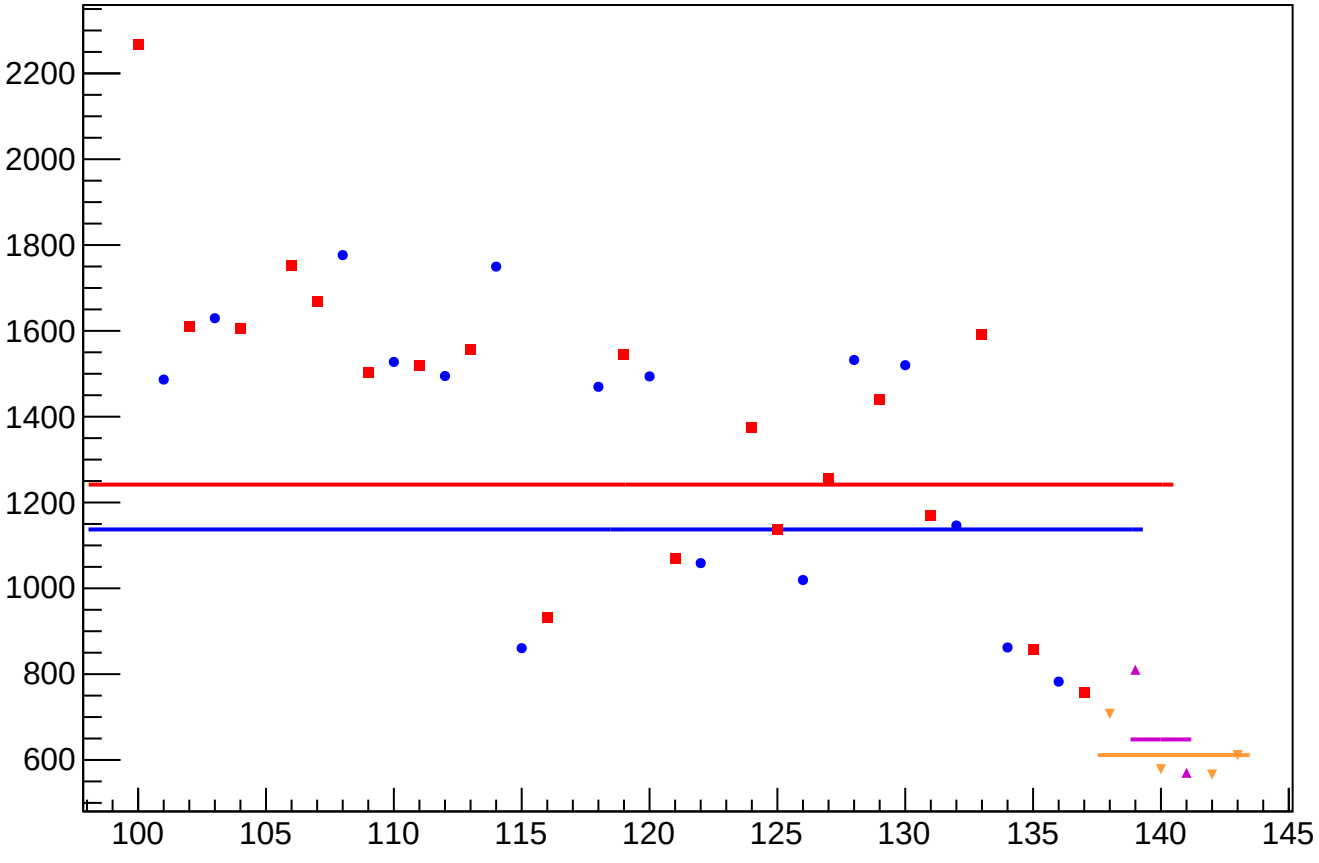
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 432.818+/-331.909 χ^2/NDF:23.7/17

Out: 52.630+/-288.138 χ^2/NDF:24.5/22

All: 216.018+/-217.586 χ^2/NDF: 48.9/40

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 611.472+/-0.258 χ^2/NDF:38770.1/3

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 647.816+/-0.355 χ^2/NDF:100265.5/1

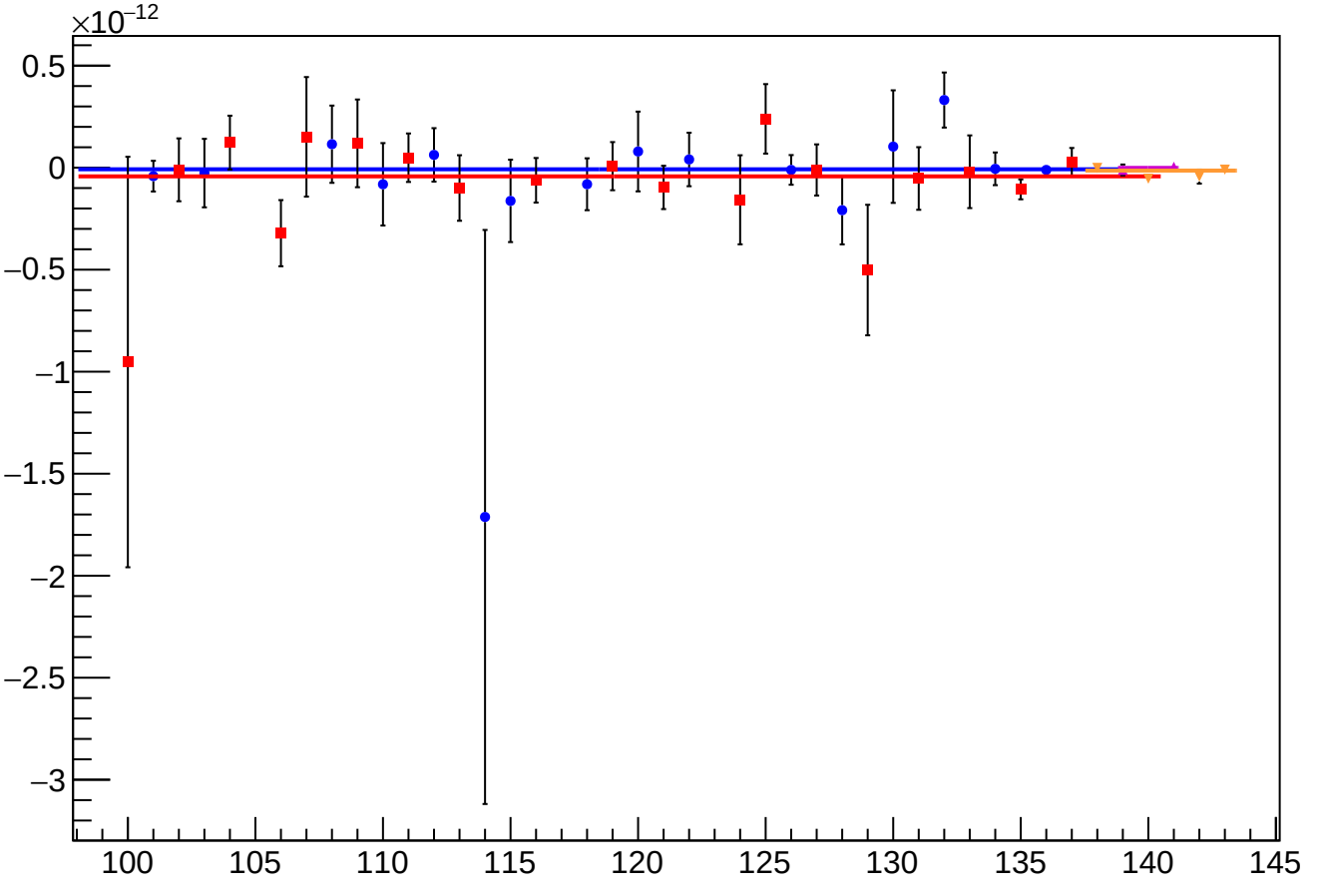
Left: 624.046+/-0.209 χ^2/NDF: 145900.9/5

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 922.995+/-0.235 χ^2/NDF:2294178.9/17

Out: 848.693+/-0.204 χ^2/NDF:3184100.7/22

All: 880.625+/-0.154 χ^2/NDF: 5535435.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:0.2/1

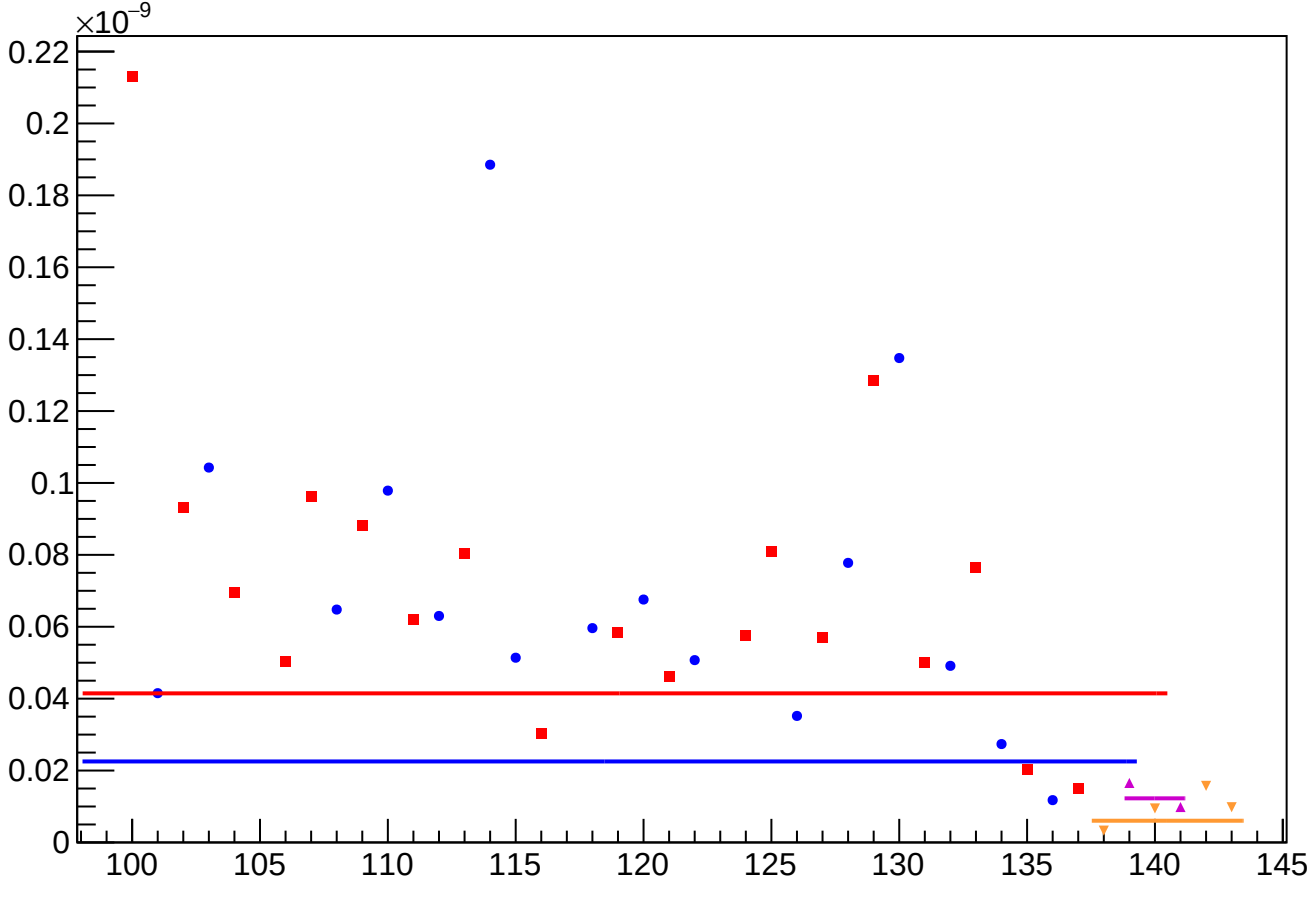
Left: -0.000+/-0.000 χ^2/NDF: 8.3/5

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:24.1/22

All: -0.000+/-0.000 χ^2/NDF: 36.9/40



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:463915.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:79975.2/1

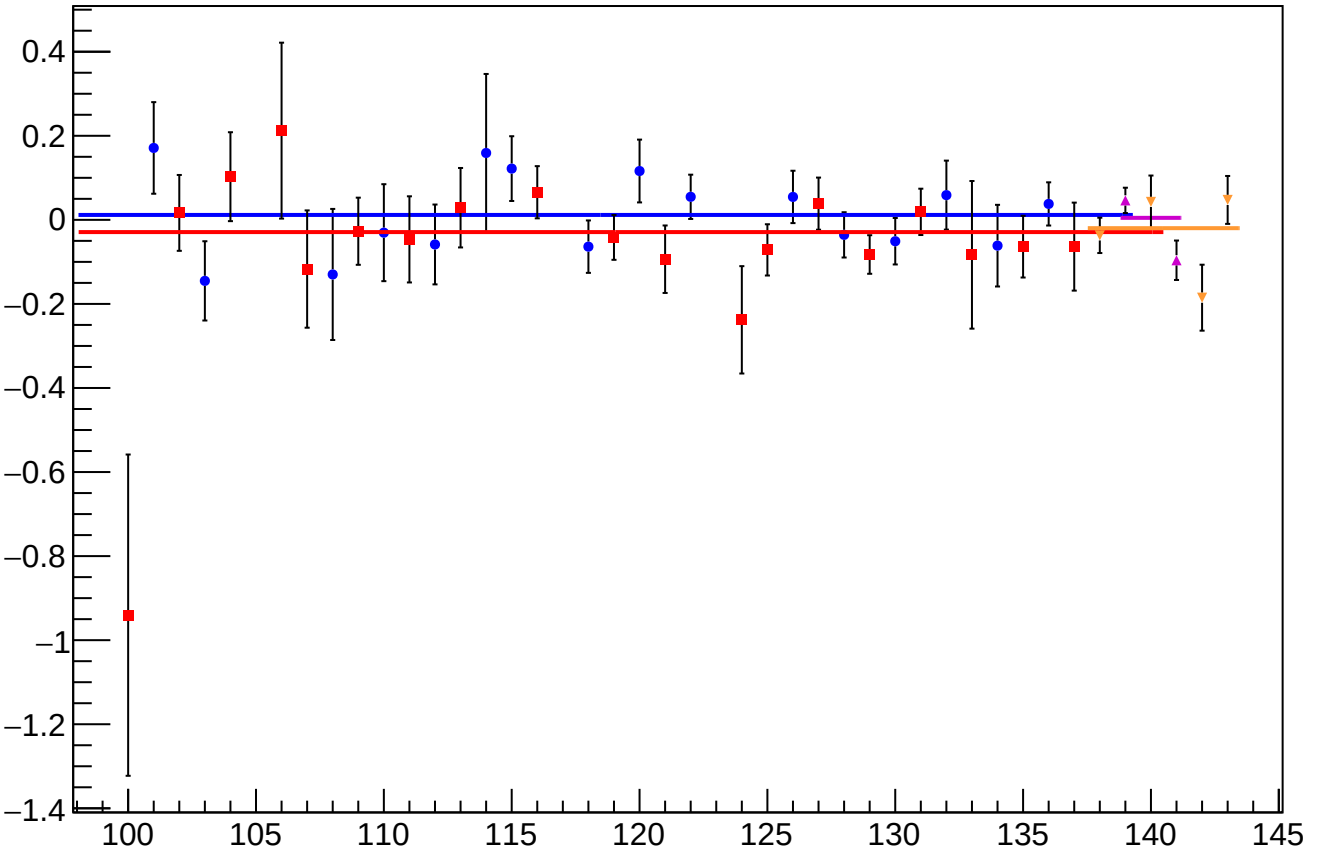
Left: 0.000+/-0.000 χ^2/NDF: 788374.4/5

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:5483534.4/22

All: 0.000+/-0.000 χ^2/NDF: 9511272.7/40



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

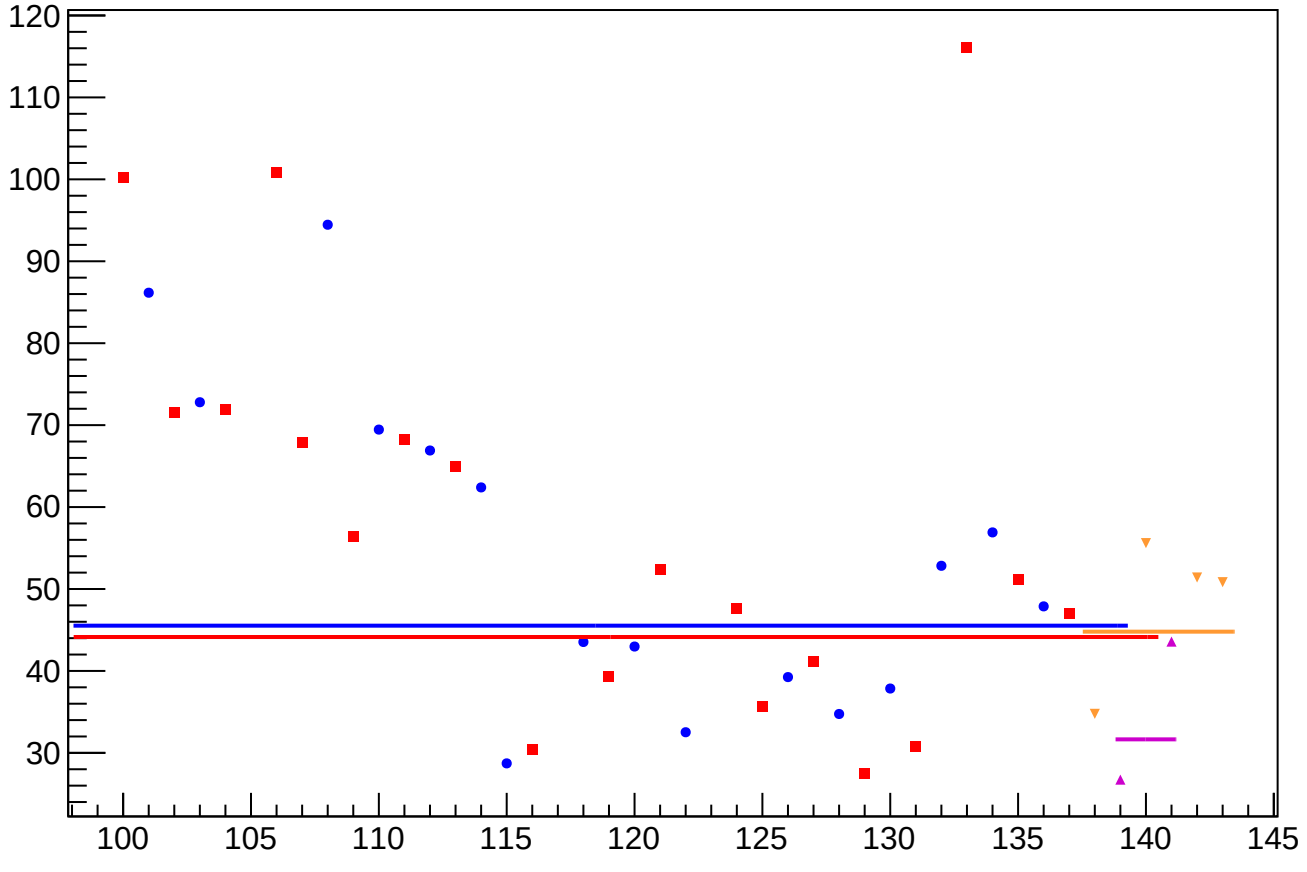
Left: -0.006+/-0.019 χ^2/NDF: 13.9/5

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+/-0.015 χ^2/NDF:26.6/22

All: -0.008+/-0.011 χ^2/NDF: 52.9/40



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.793+/-0.020 χ^2/NDF:209921.1/3

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 31.649+/-0.018 χ^2/NDF:182608.8/1

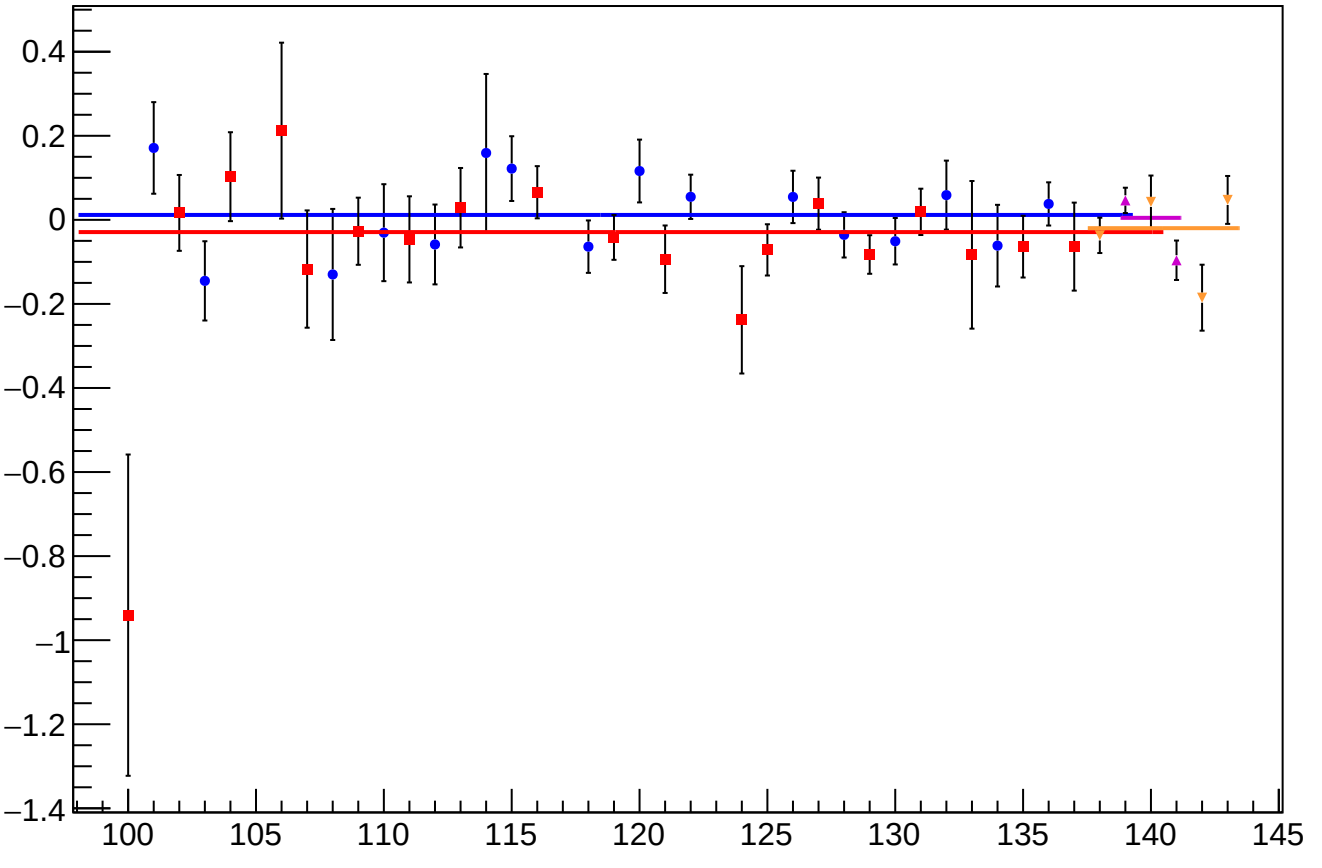
Left: 37.606+/-0.013 χ^2/NDF: 636383.0/5

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.763+/-0.010 χ^2/NDF:1830421.3/17

Out: 44.331+/-0.011 χ^2/NDF:1954129.7/22

All: 42.523+/-0.007 χ^2/NDF: 3841568.0/40



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

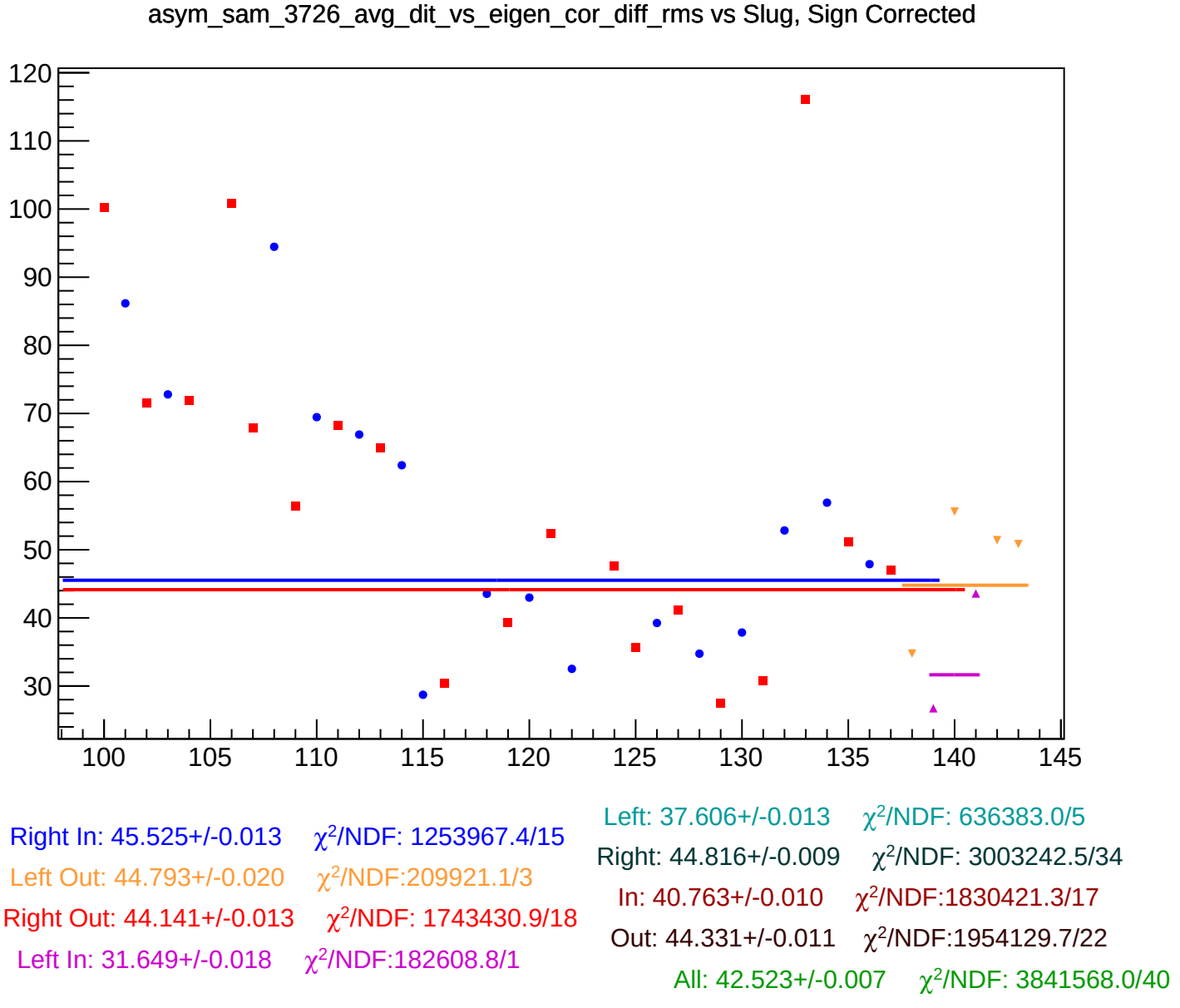
Left: -0.006+/-0.019 χ^2/NDF: 13.9/5

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+/-0.015 χ^2/NDF:26.6/22

All: -0.008+/-0.011 χ^2/NDF: 52.9/40


asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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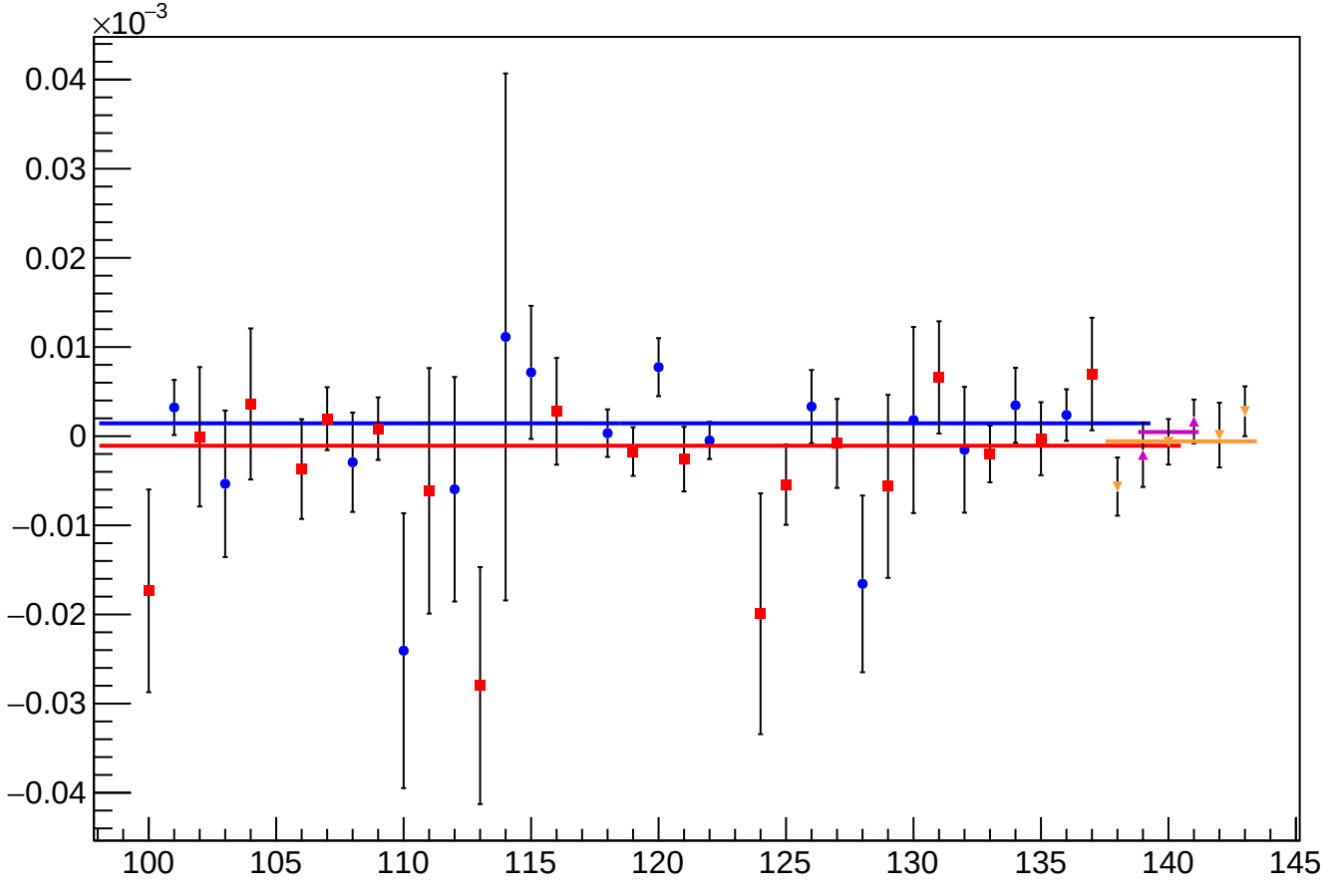
Right In: 45.525+/-0.013 χ2/NDF: 1253967.4/15
Left Out: 44.793+/-0.020 χ2/NDF:209921.1/3
Right Out: 44.141+/-0.013 χ2/NDF: 1743430.9/18
Left In: 31.649+/-0.018 χ2/NDF:182608.8/1
Left: 37.606+/-0.013 χ2/NDF: 636383.0/5
Right: 44.816+/-0.009 χ2/NDF: 3003242.5/34
In: 40.763+/-0.010 χ2/NDF:1830421.3/17
Out: 44.331+/-0.011 χ2/NDF:1954129.7/22
All: 42.523+/-0.007 χ2/NDF: 3841568.0/40



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/1

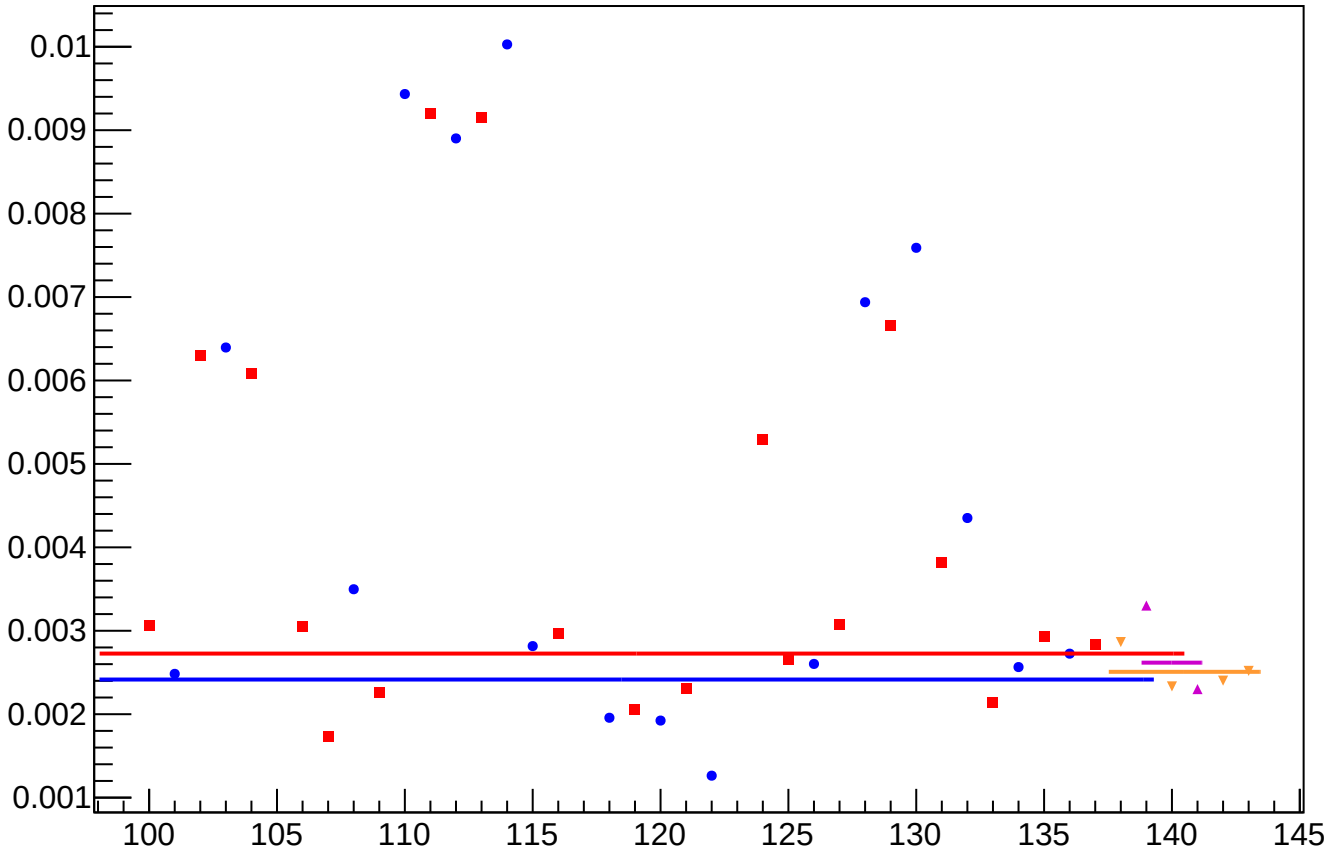
Left: -0.000+/-0.000 χ^2/NDF: 4.8/5

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:18.8/22

All: 0.000+/-0.000 χ^2/NDF: 36.6/40



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.003+/-0.000 χ^2/NDF:35002.6/3

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: 144054.3/5

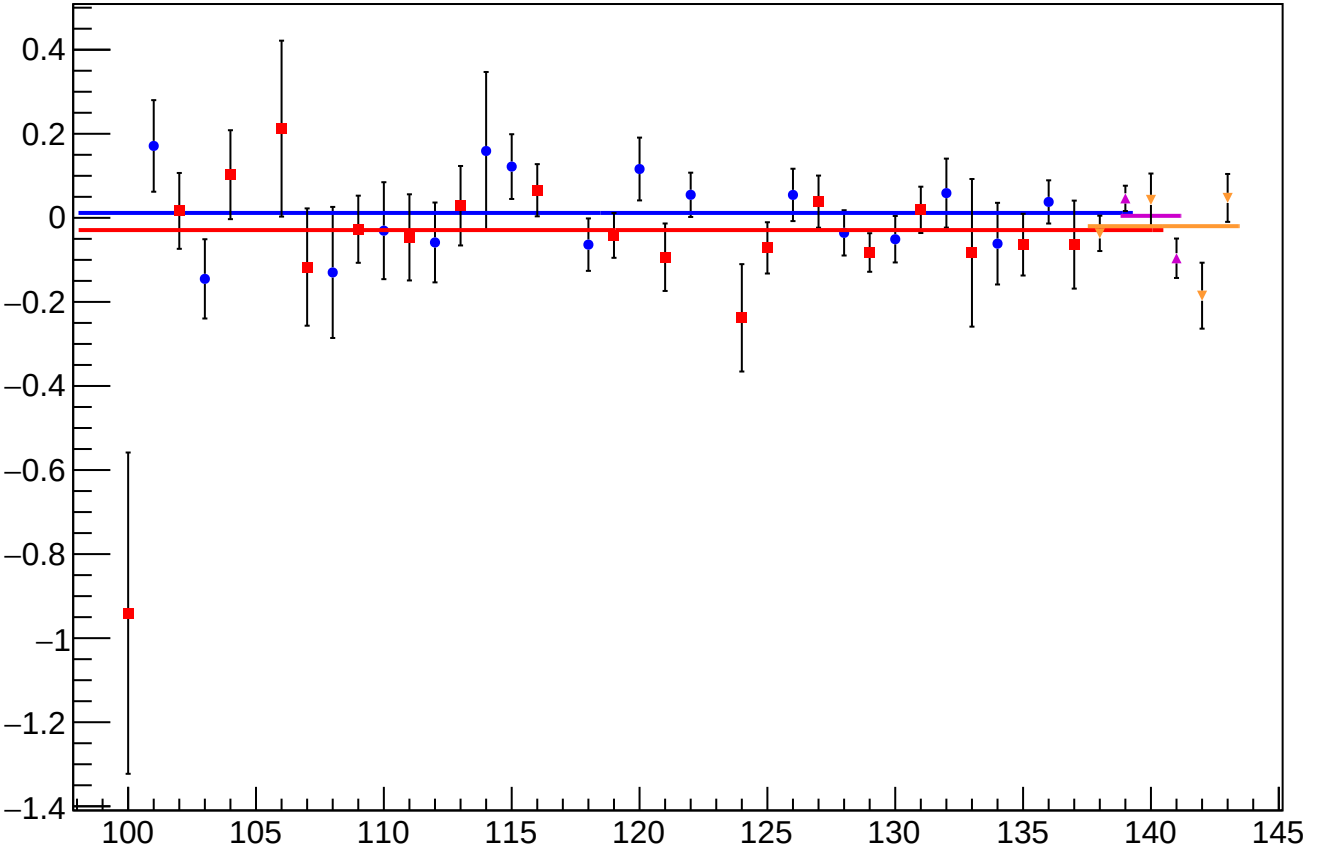
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3553062.9/17

Out: 0.003+/-0.000 χ^2/NDF:2567616.2/22

All: 0.003+/-0.000 χ^2/NDF: 6163959.3/40

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: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

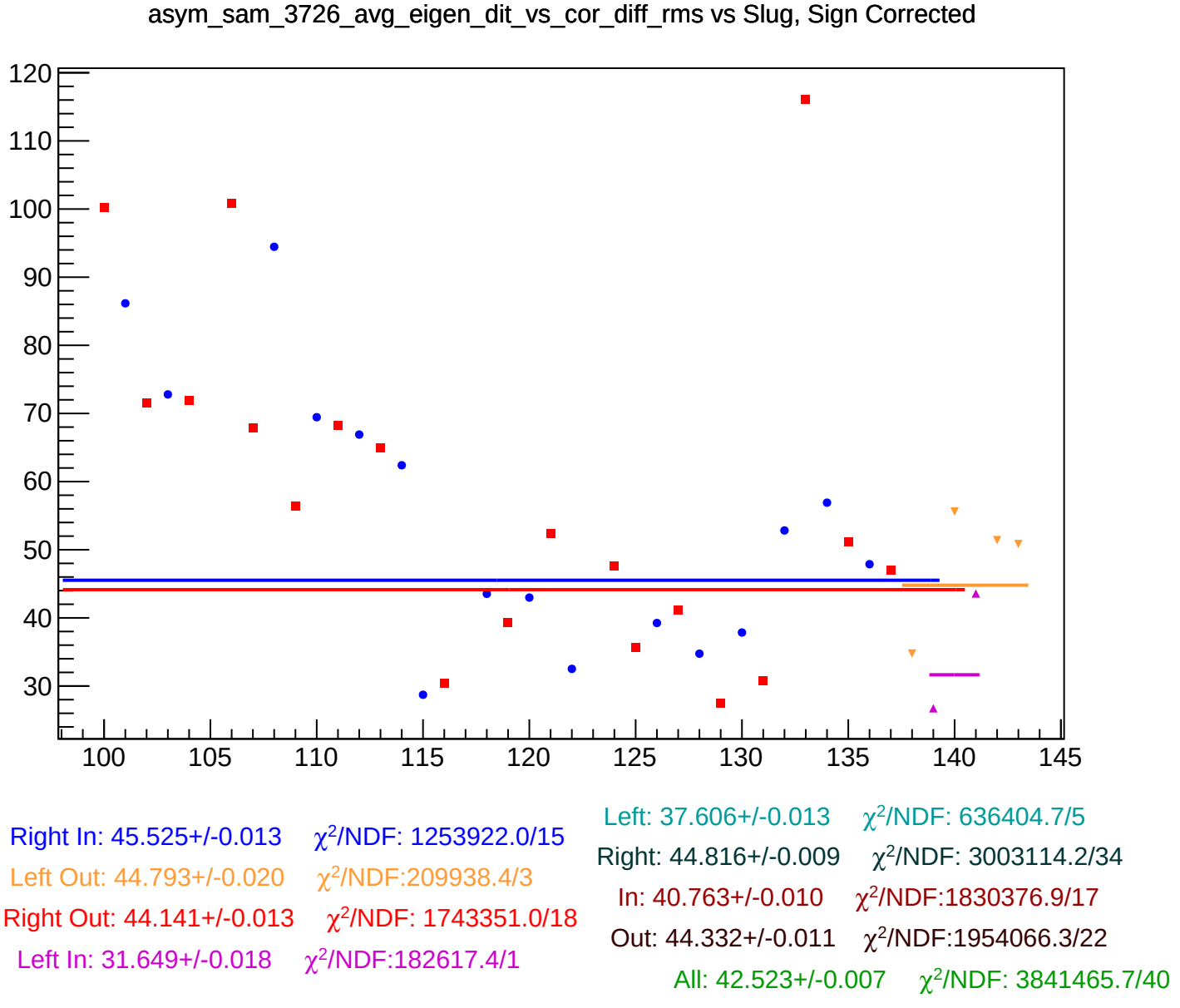
Left: -0.006+/-0.019 χ^2/NDF: 13.9/5

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+/-0.015 χ^2/NDF:26.6/22

All: -0.008+/-0.011 χ^2/NDF: 52.9/40


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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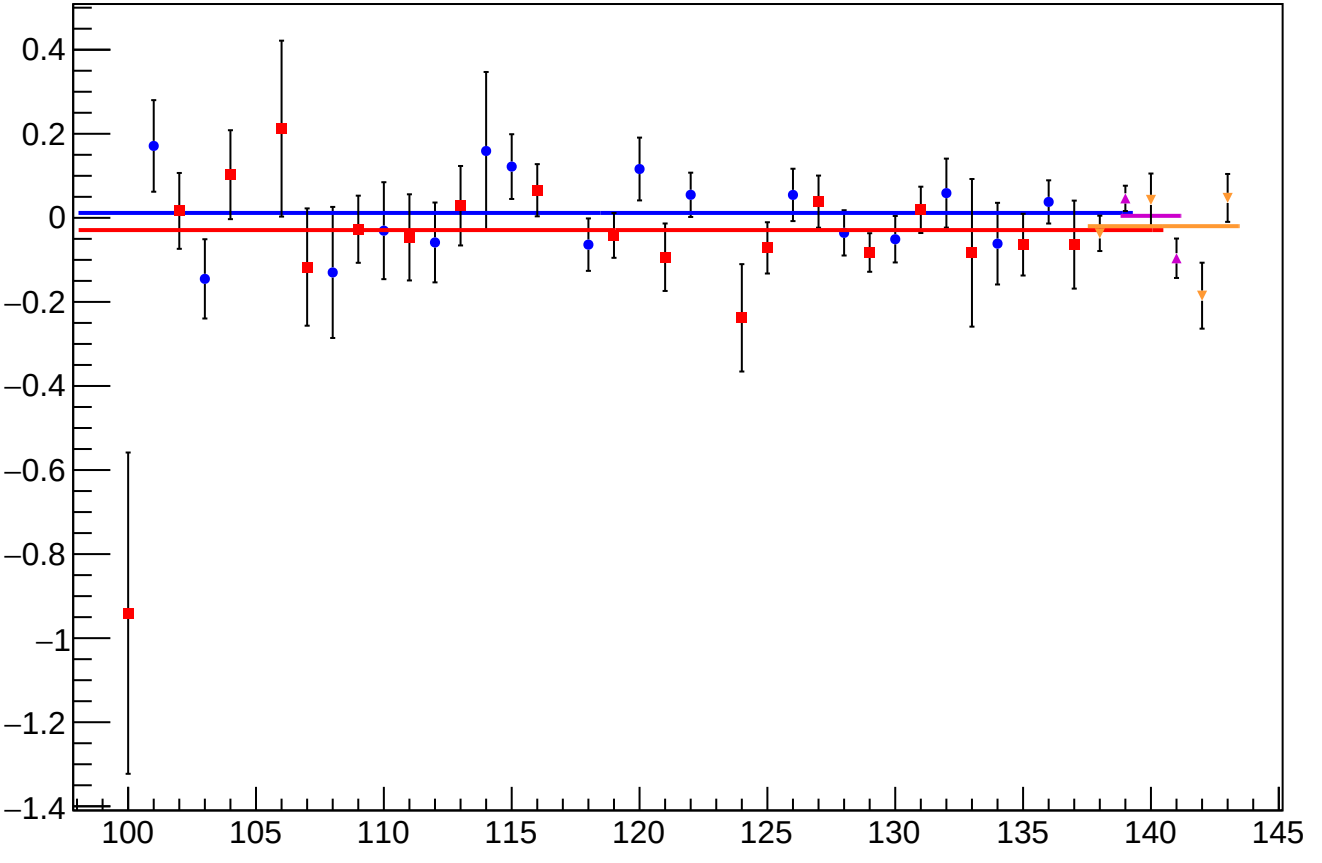
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 44.793+/-0.020 χ²/NDF:209938.4/3
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 31.649+/-0.018 χ²/NDF:182617.4/1
Left: 37.606+/-0.013 χ²/NDF: 636404.7/5
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 40.763+/-0.010 χ²/NDF:1830376.9/17
Out: 44.332+/-0.011 χ²/NDF:1954066.3/22
All: 42.523+/-0.007 χ²/NDF: 3841465.7/40

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: -0.020+/-0.028 χ^2/NDF:7.0/3

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.025 χ^2/NDF:6.5/1

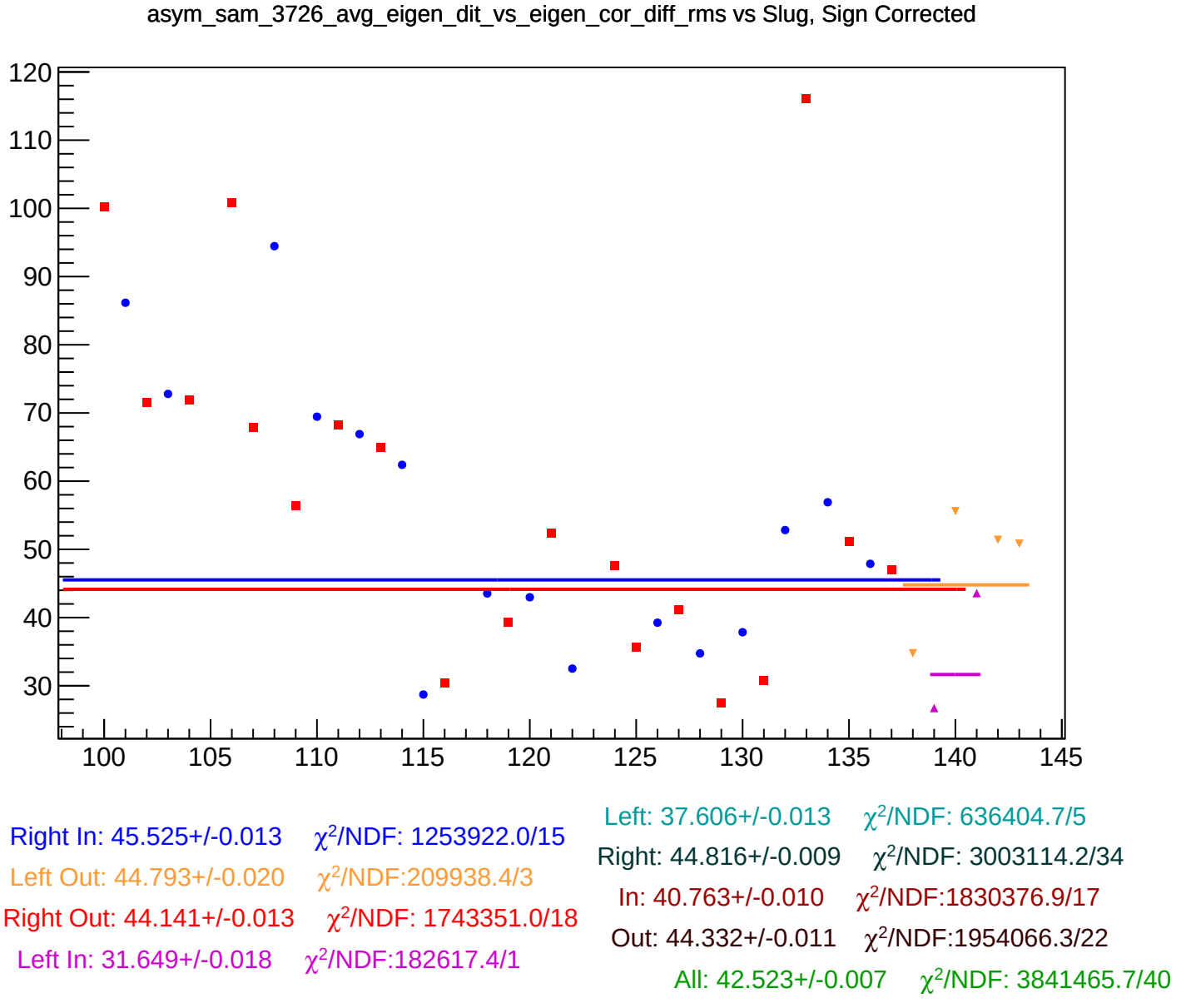
Left: -0.006+/-0.019 χ^2/NDF: 13.9/5

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+/-0.015 χ^2/NDF:26.6/22

All: -0.008+/-0.011 χ^2/NDF: 52.9/40


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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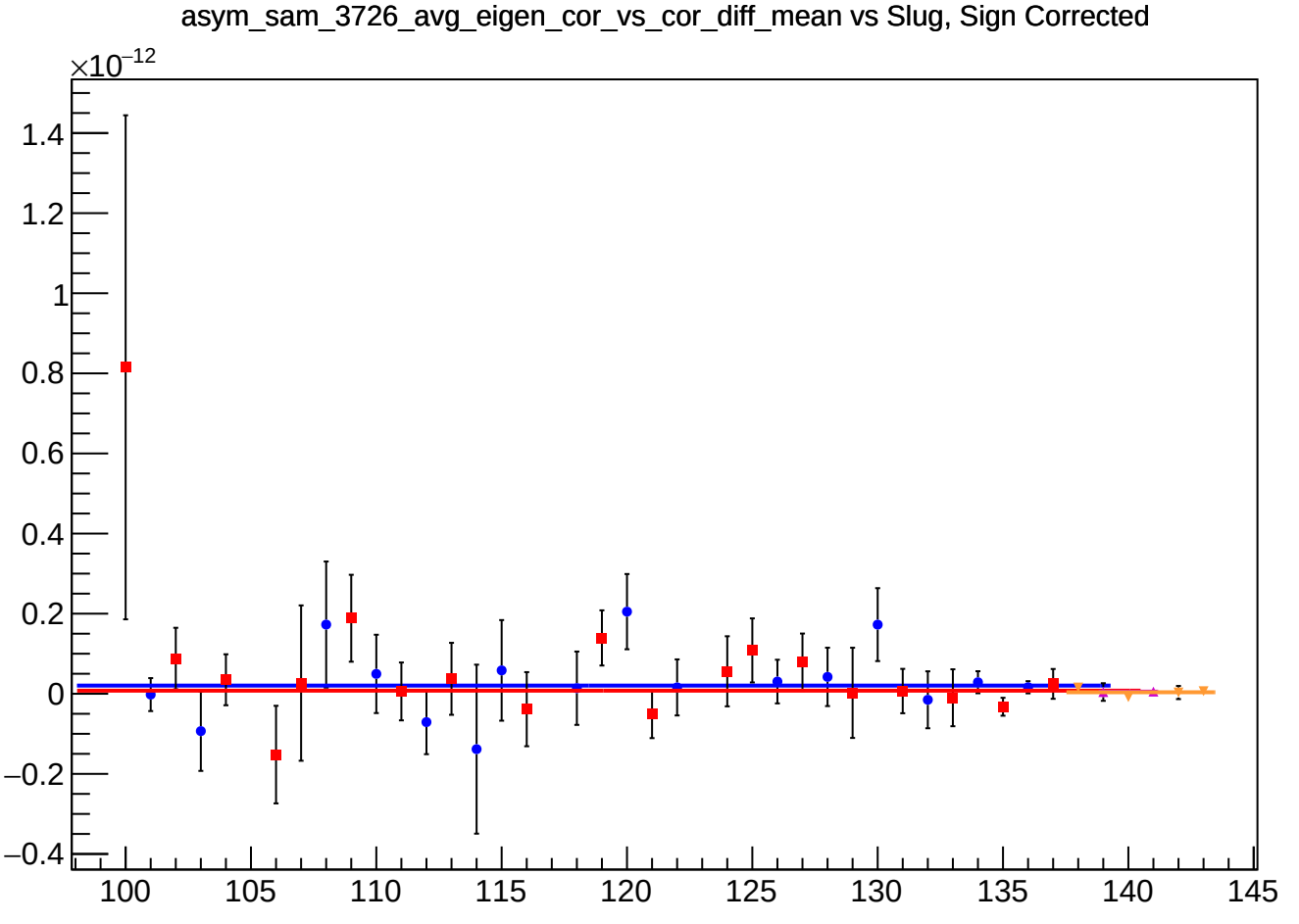
Right In: 45.525+/-0.013 χ2/NDF: 1253922.0/15
Left Out: 44.793+/-0.020 χ2/NDF:209938.4/3
Right Out: 44.141+/-0.013 χ2/NDF: 1743351.0/18
Left In: 31.649+/-0.018 χ2/NDF:182617.4/1
Left: 37.606+/-0.013 χ2/NDF: 636404.7/5
Right: 44.816+/-0.009 χ2/NDF: 3003114.2/34
In: 40.763+/-0.010 χ2/NDF:1830376.9/17
Out: 44.332+/-0.011 χ2/NDF:1954066.3/22
All: 42.523+/-0.007 χ2/NDF: 3841465.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

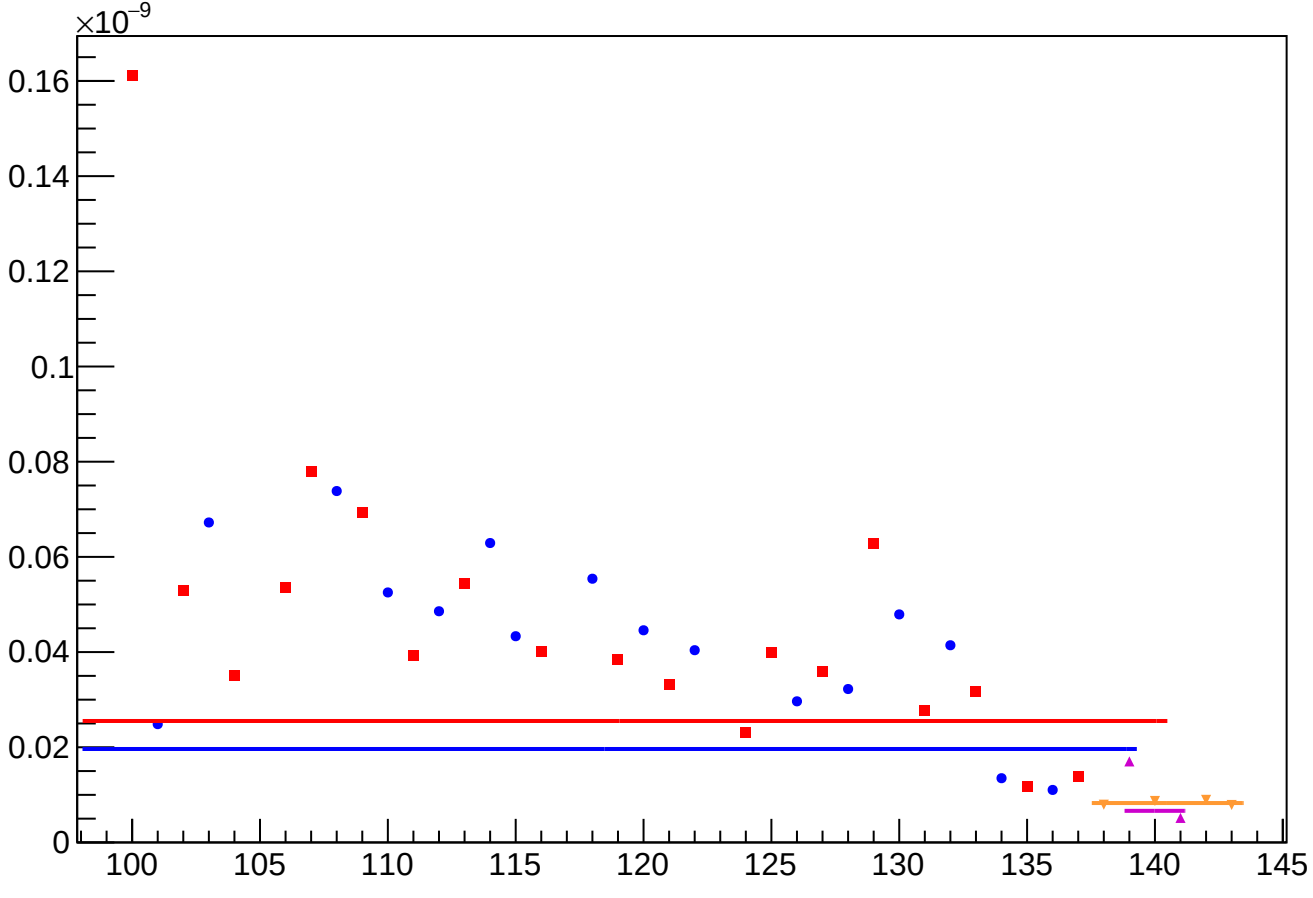
Left: 0.000+/-0.000 χ^2/NDF: 2.2/5

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:21.0/22

All: 0.000+/-0.000 χ^2/NDF: 34.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10799.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:510571.5/1

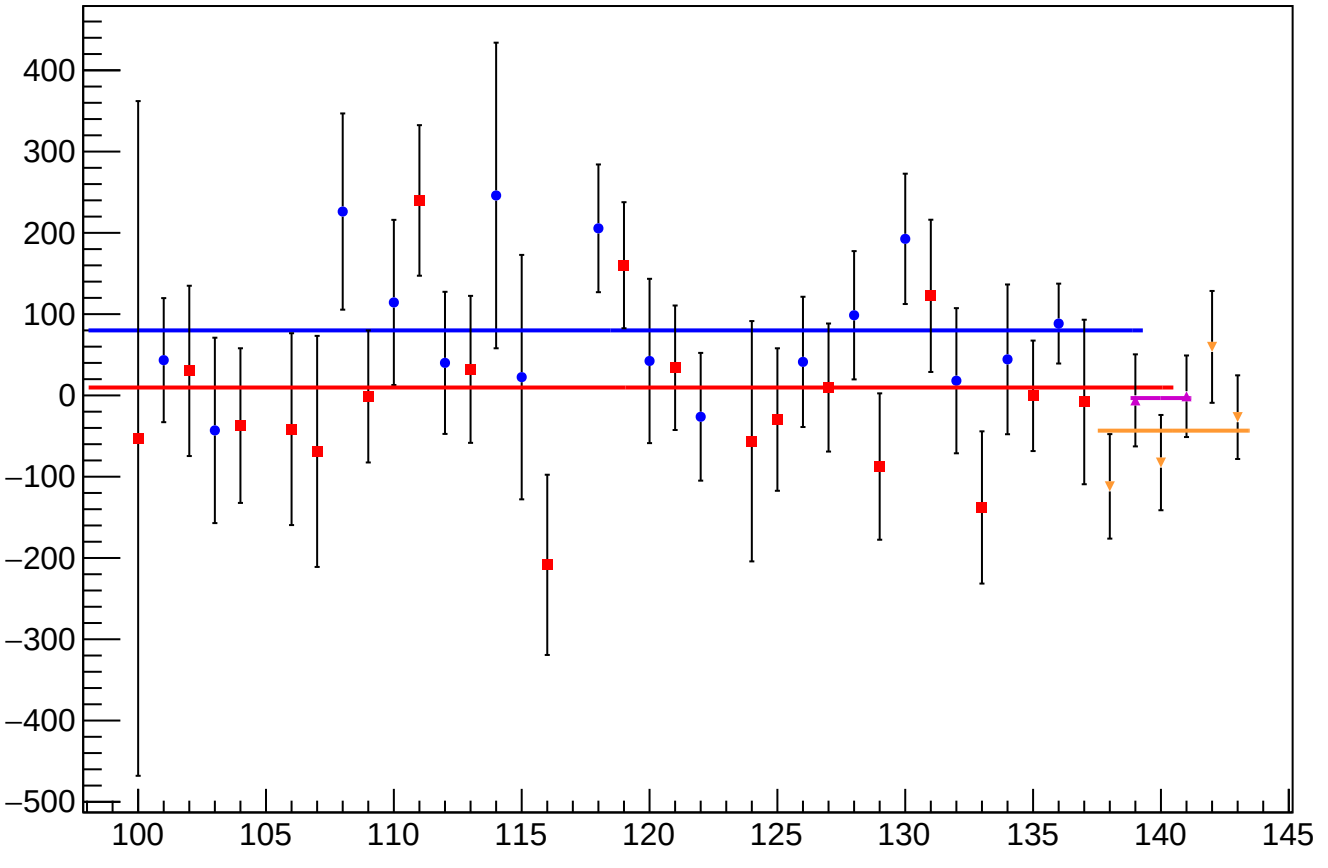
Left: 0.000+/-0.000 χ^2/NDF: 576570.8/5

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:5357835.8/22

All: 0.000+/-0.000 χ^2/NDF: 10934864.1/40



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.342+/-29.858 χ^2/NDF:3.9/3

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -3.255+/-37.553 χ^2/NDF:0.0/1

Left: -27.816+/-23.371 χ^2/NDF: 4.6/5

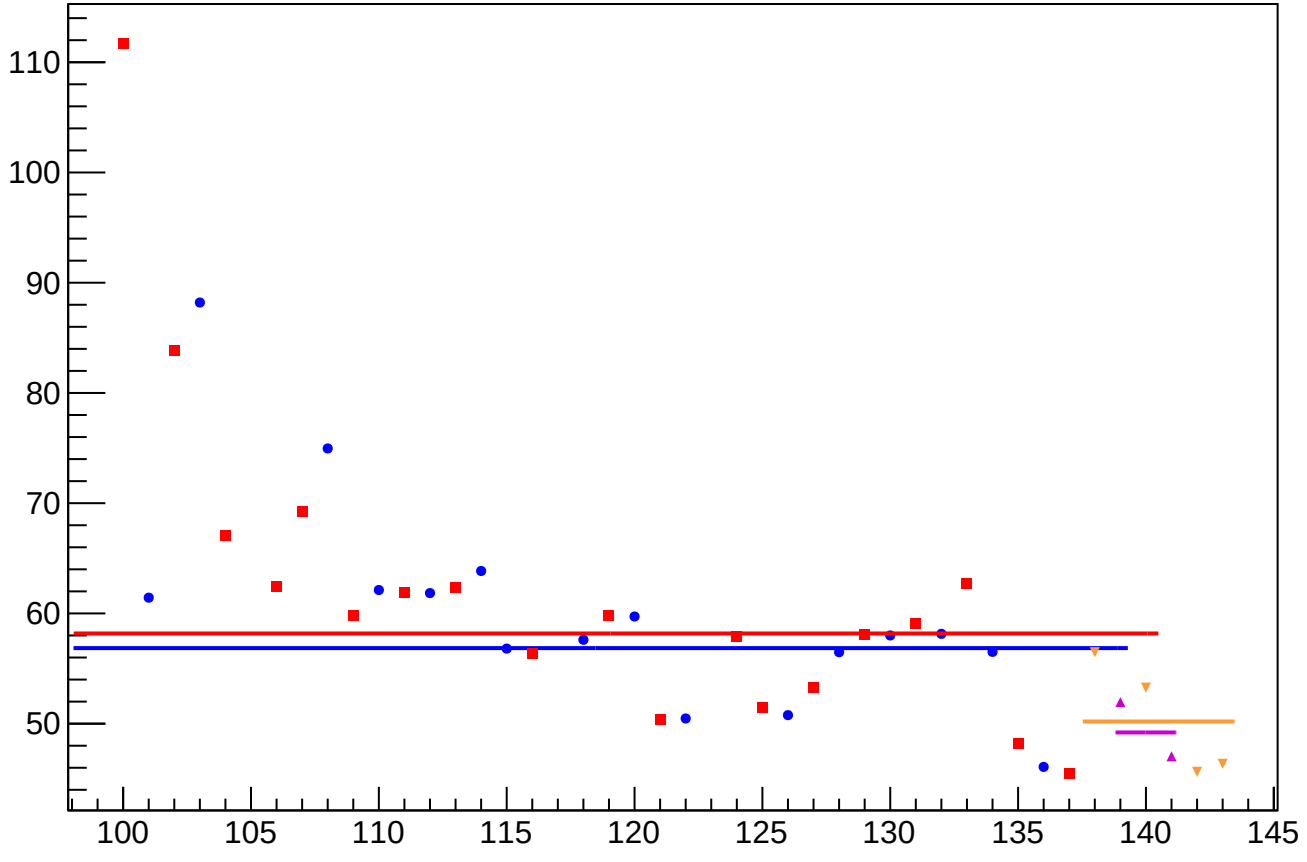
Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 59.479+/-18.642 χ^2/NDF:15.3/17

Out: -8.522+/-17.510 χ^2/NDF:26.4/22

All: 23.352+/-12.763 χ^2/NDF: 48.7/40

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

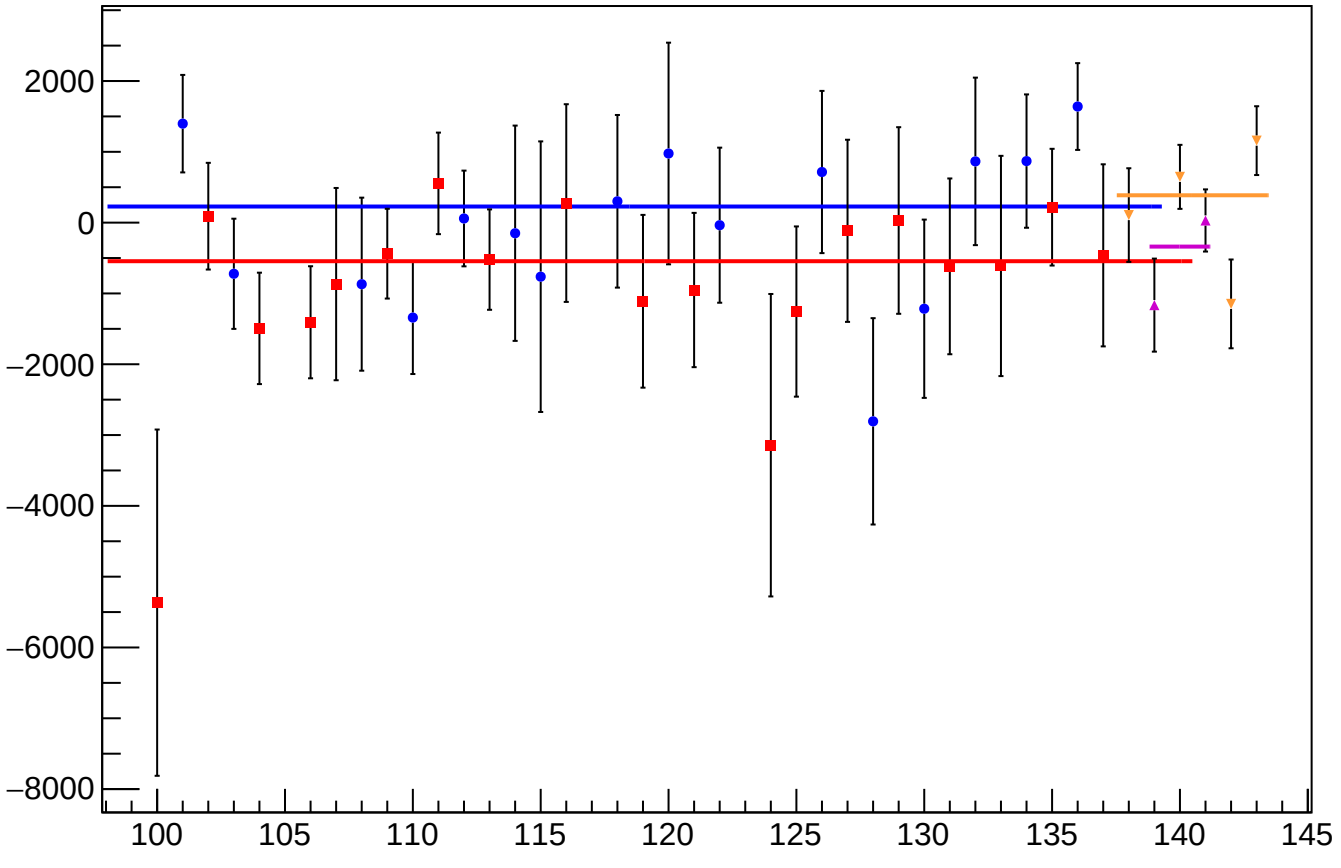
Left: 49.812+/-0.017 χ^2/NDF: 53832.5/5

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 54.969+/-0.013 χ^2/NDF:412604.1/17

Out: 55.436+/-0.012 χ^2/NDF:453030.9/22

All: 55.217+/-0.009 χ^2/NDF: 866301.1/40



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 386.304+/-267.633 χ^2/NDF:9.0/3

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: 132.876+/-215.828 χ^2/NDF: 13.9/5

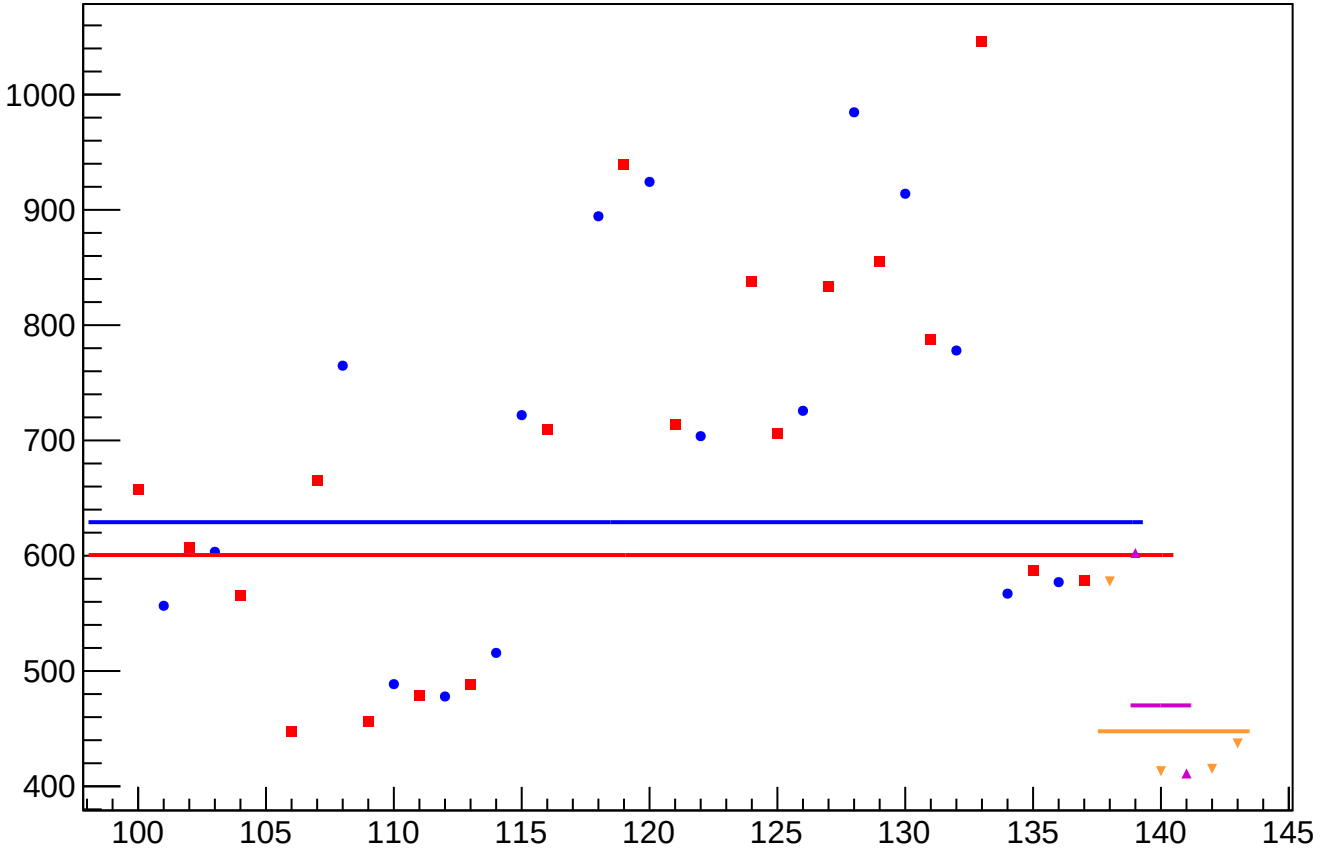
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 55.446+/-201.245 χ^2/NDF:25.6/17

Out: -154.721+/-173.223 χ^2/NDF:29.4/22

All: -65.277+/-131.286 χ^2/NDF: 55.7/40

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 447.731+/-0.189 χ^2/NDF:95334.2/3

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 470.178+/-0.258 χ^2/NDF:117128.4/1

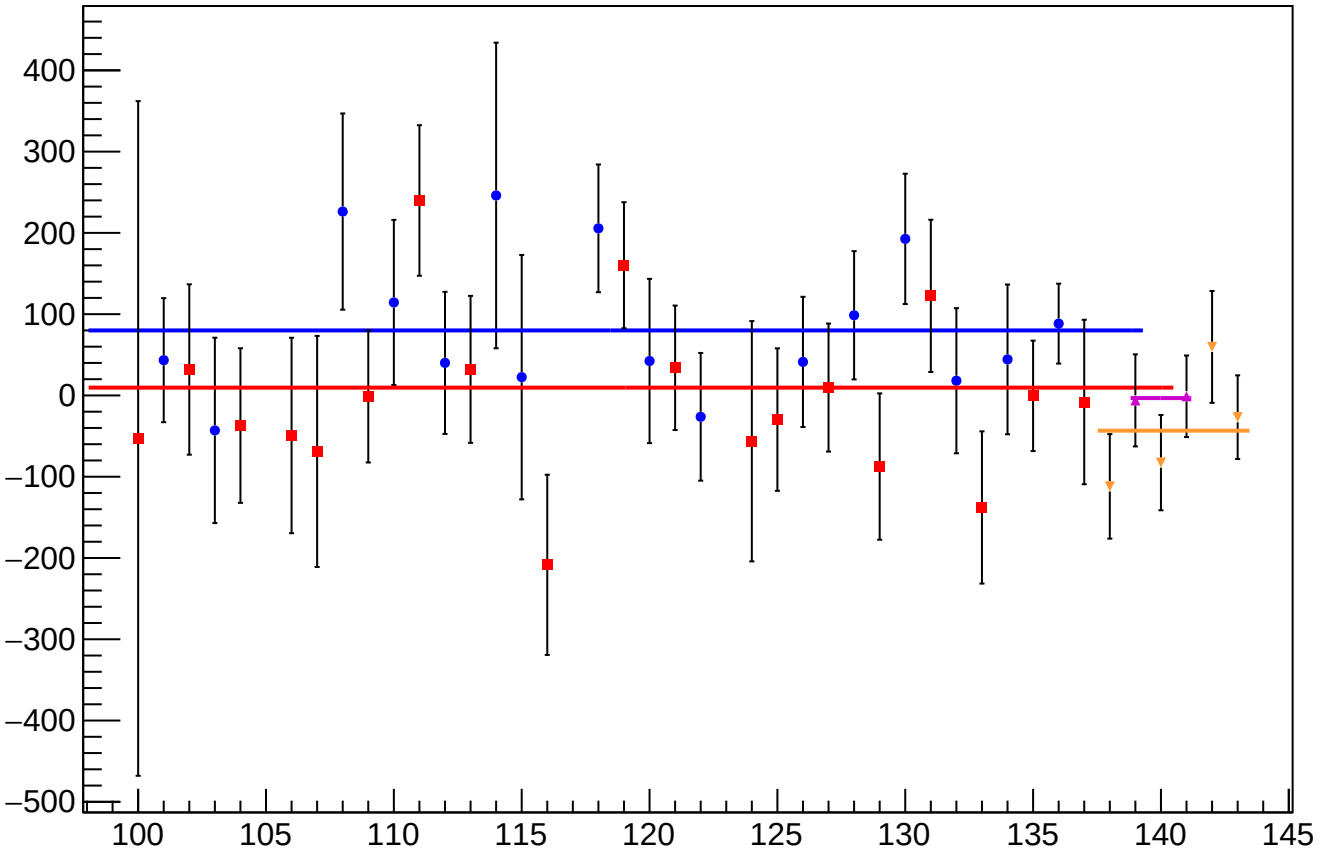
Left: 455.580+/-0.153 χ^2/NDF: 217382.1/5

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 580.784+/-0.142 χ^2/NDF:1073737.8/17

Out: 536.556+/-0.122 χ^2/NDF:1349076.5/22

All: 555.378+/-0.093 χ^2/NDF: 2478302.3/40



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.348+/-29.858 χ^2/NDF:3.9/3

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -3.256+/-37.553 χ^2/NDF:0.0/1

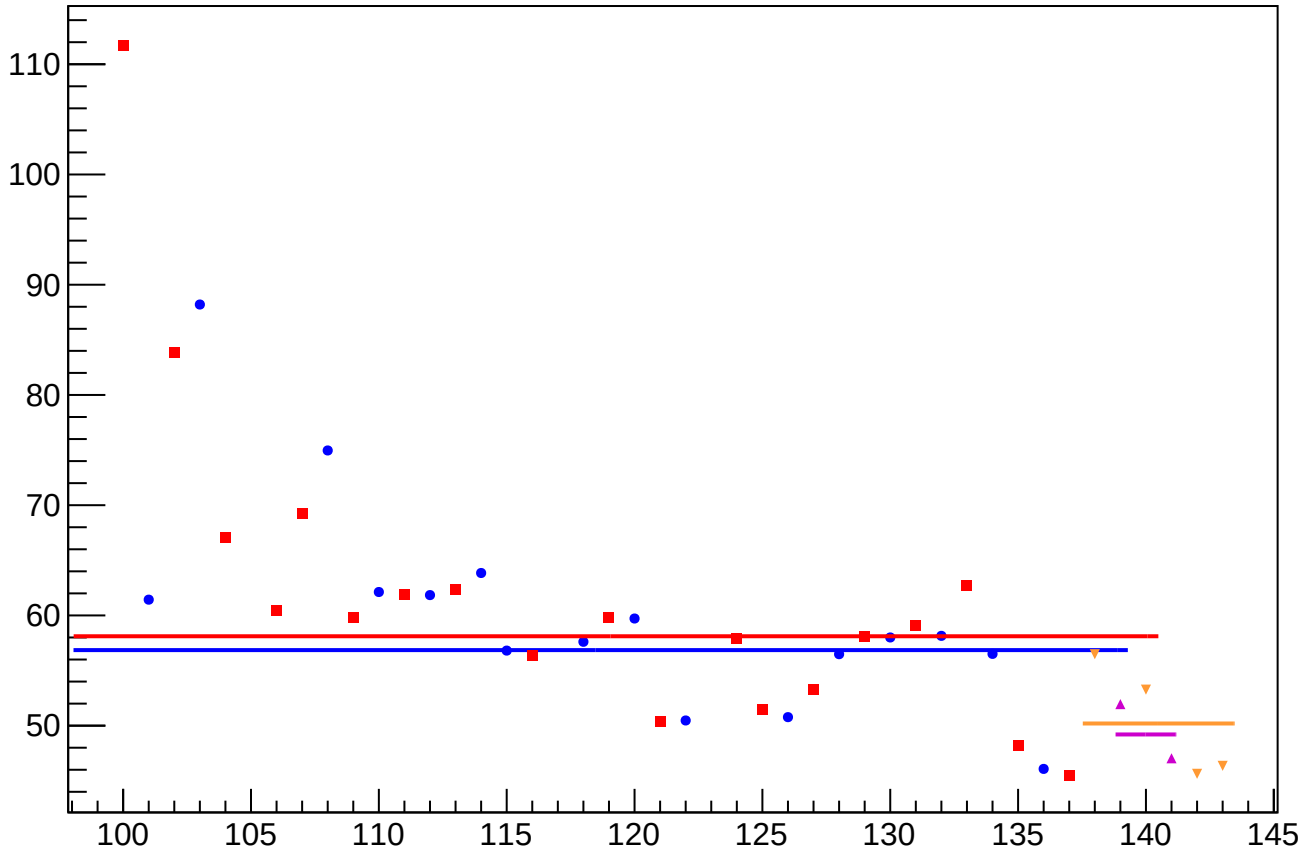
Left: -27.820+/-23.371 χ^2/NDF: 4.6/5

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 59.482+/-18.642 χ^2/NDF:15.3/17

Out: -8.612+/-17.517 χ^2/NDF:26.4/22

All: 23.319+/-12.766 χ^2/NDF: 48.7/40



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 49.203+/-0.027 χ^2/NDF:8436.6/1

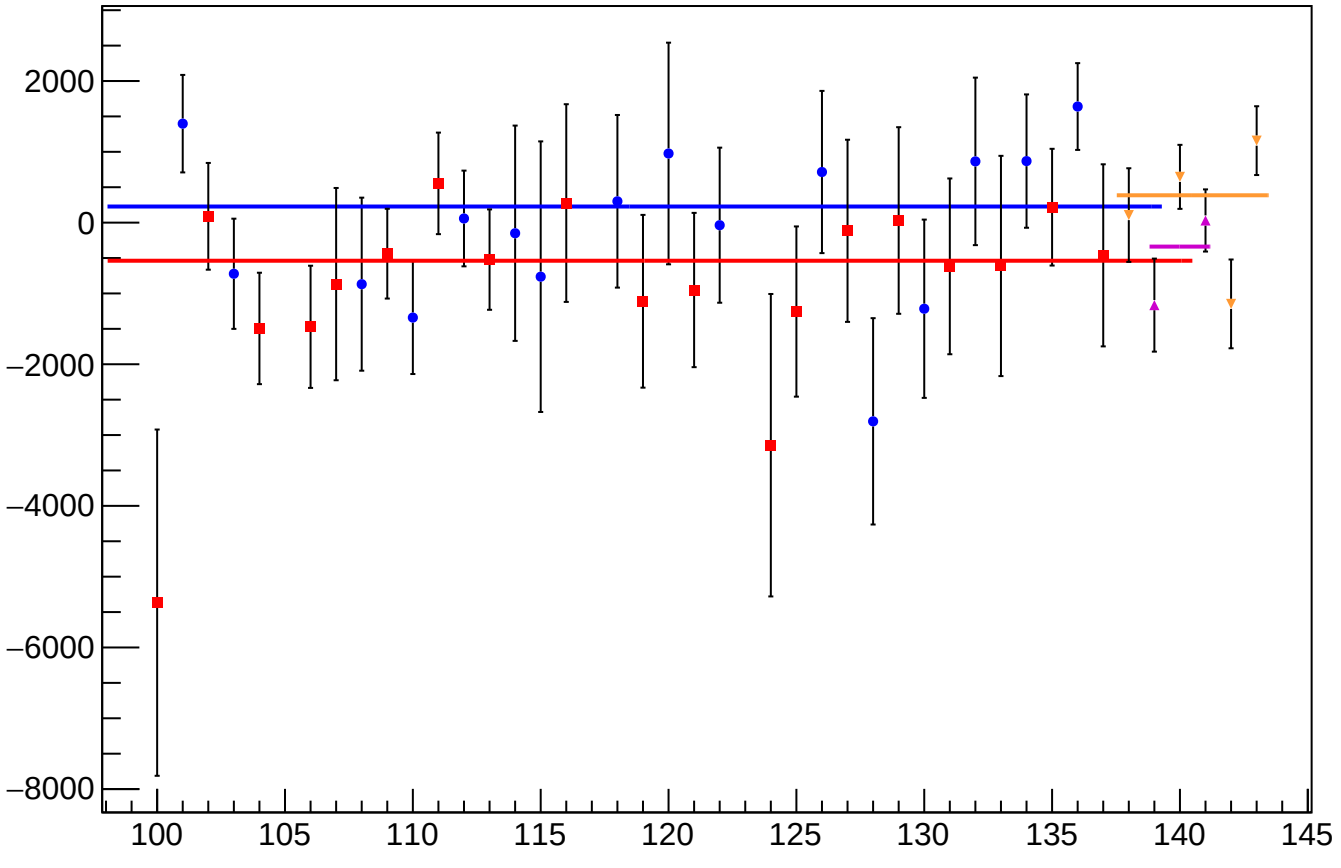
Left: 49.812+/-0.017 χ^2/NDF: 53832.5/5

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 54.969+/-0.013 χ^2/NDF:412607.9/17

Out: 55.387+/-0.012 χ^2/NDF:449614.1/22

All: 55.191+/-0.009 χ^2/NDF: 862756.3/40



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 386.296+/-267.633 χ^2/NDF:9.0/3

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: 132.869+/-215.828 χ^2/NDF: 13.9/5

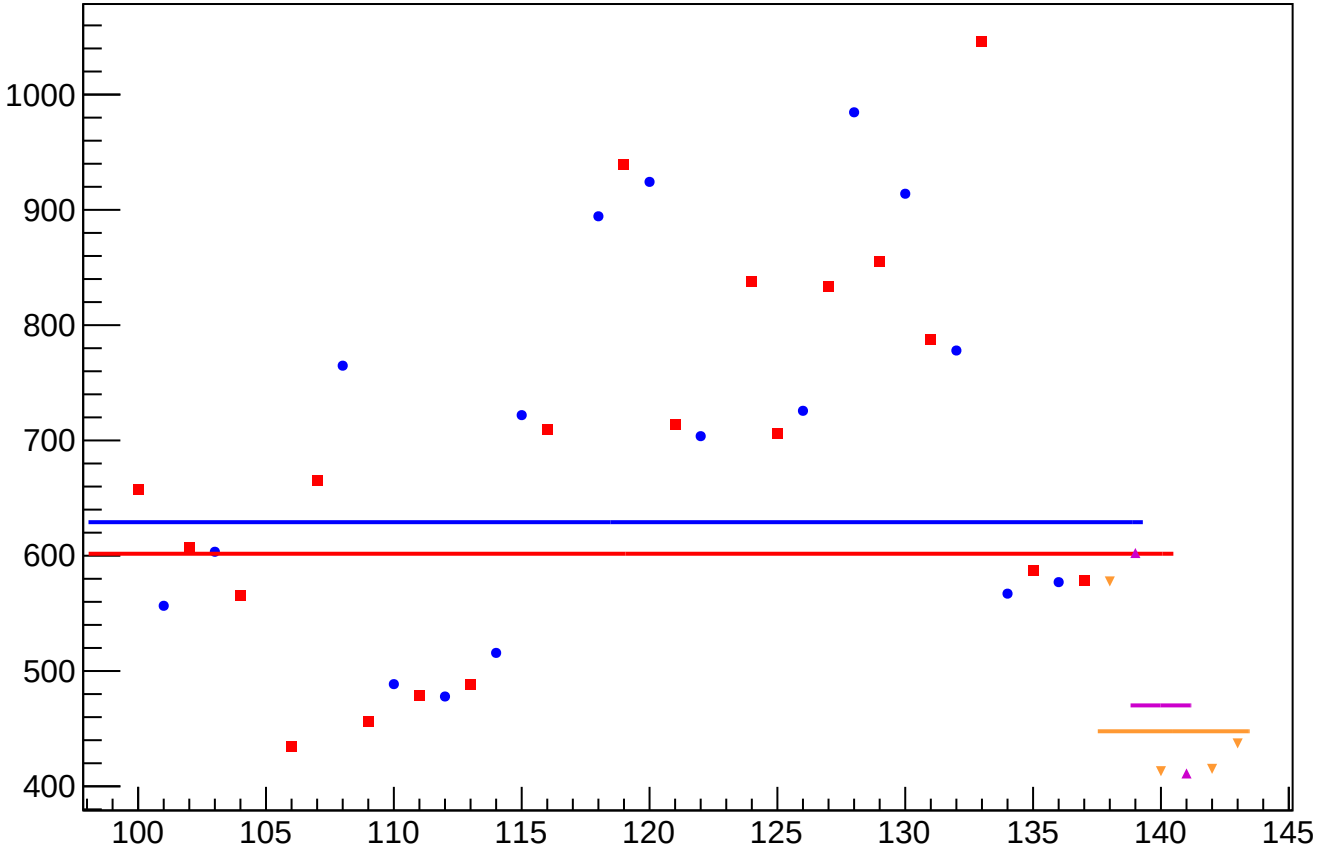
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 55.469+/-201.246 χ^2/NDF:25.6/17

Out: -147.872+/-173.890 χ^2/NDF:29.3/22

All: -60.951+/-131.576 χ^2/NDF: 55.4/40

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 447.730+/-0.189 χ^2/NDF:95333.9/3

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 470.178+/-0.258 χ^2/NDF:117127.1/1

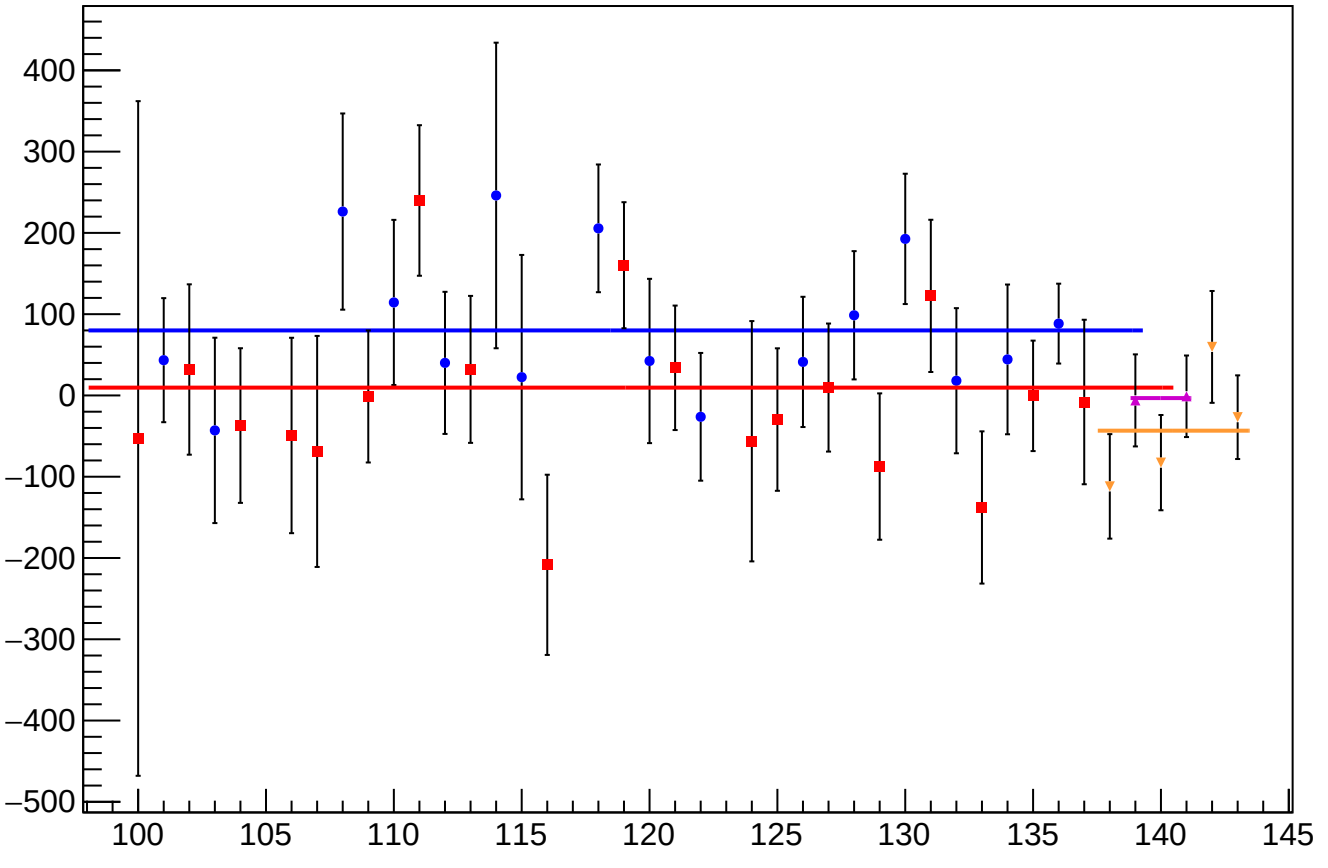
Left: 455.580+/-0.153 χ^2/NDF: 217380.9/5

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 580.787+/-0.142 χ^2/NDF:1073740.9/17

Out: 536.713+/-0.123 χ^2/NDF:1351979.7/22

All: 555.553+/-0.093 χ^2/NDF: 2480641.4/40



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.348+/-29.858 χ^2/NDF:3.9/3

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -3.256+/-37.553 χ^2/NDF:0.0/1

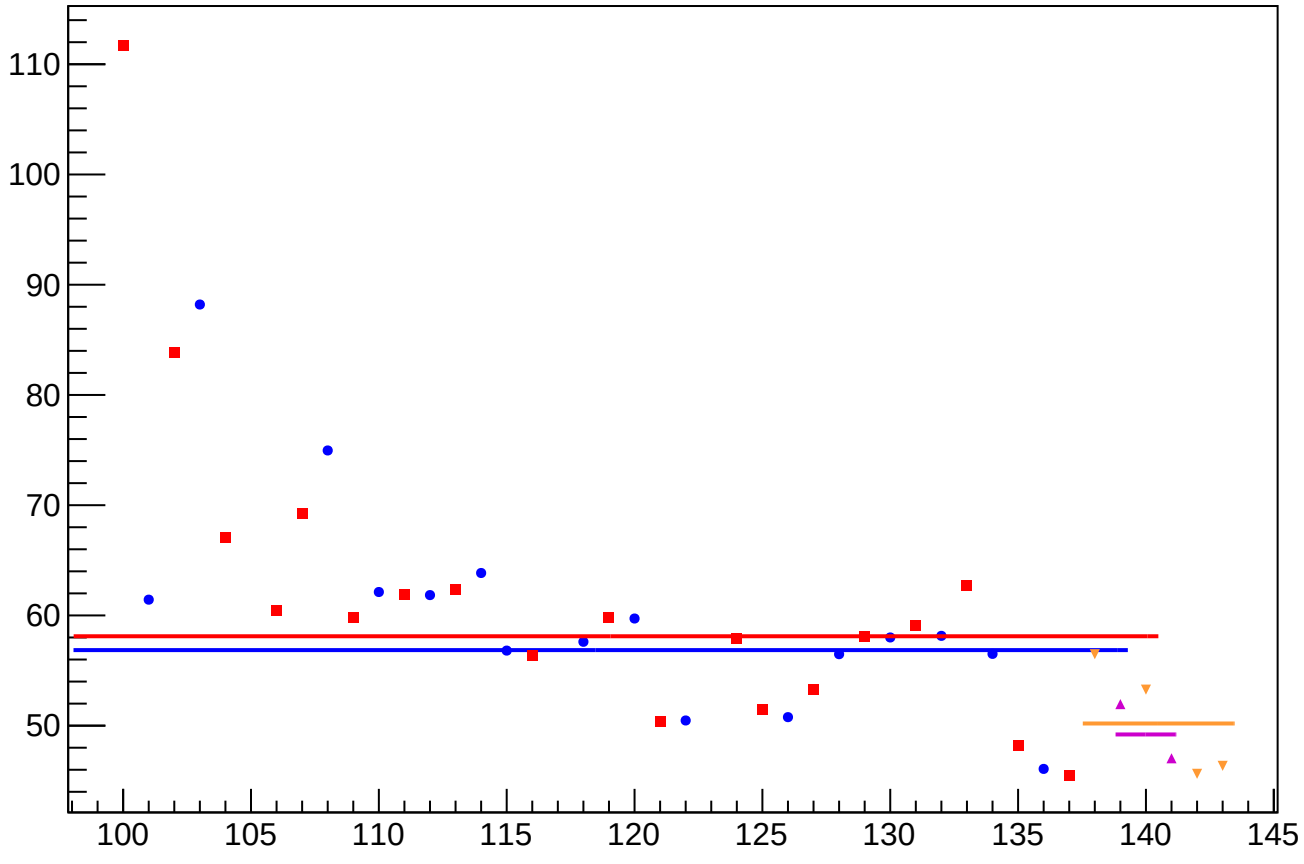
Left: -27.820+/-23.371 χ^2/NDF: 4.6/5

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 59.482+/-18.642 χ^2/NDF:15.3/17

Out: -8.612+/-17.517 χ^2/NDF:26.4/22

All: 23.319+/-12.766 χ^2/NDF: 48.7/40



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 50.197+/-0.021 χ^2/NDF:44537.1/3

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: 49.812+/-0.017 χ^2/NDF: 53832.5/5

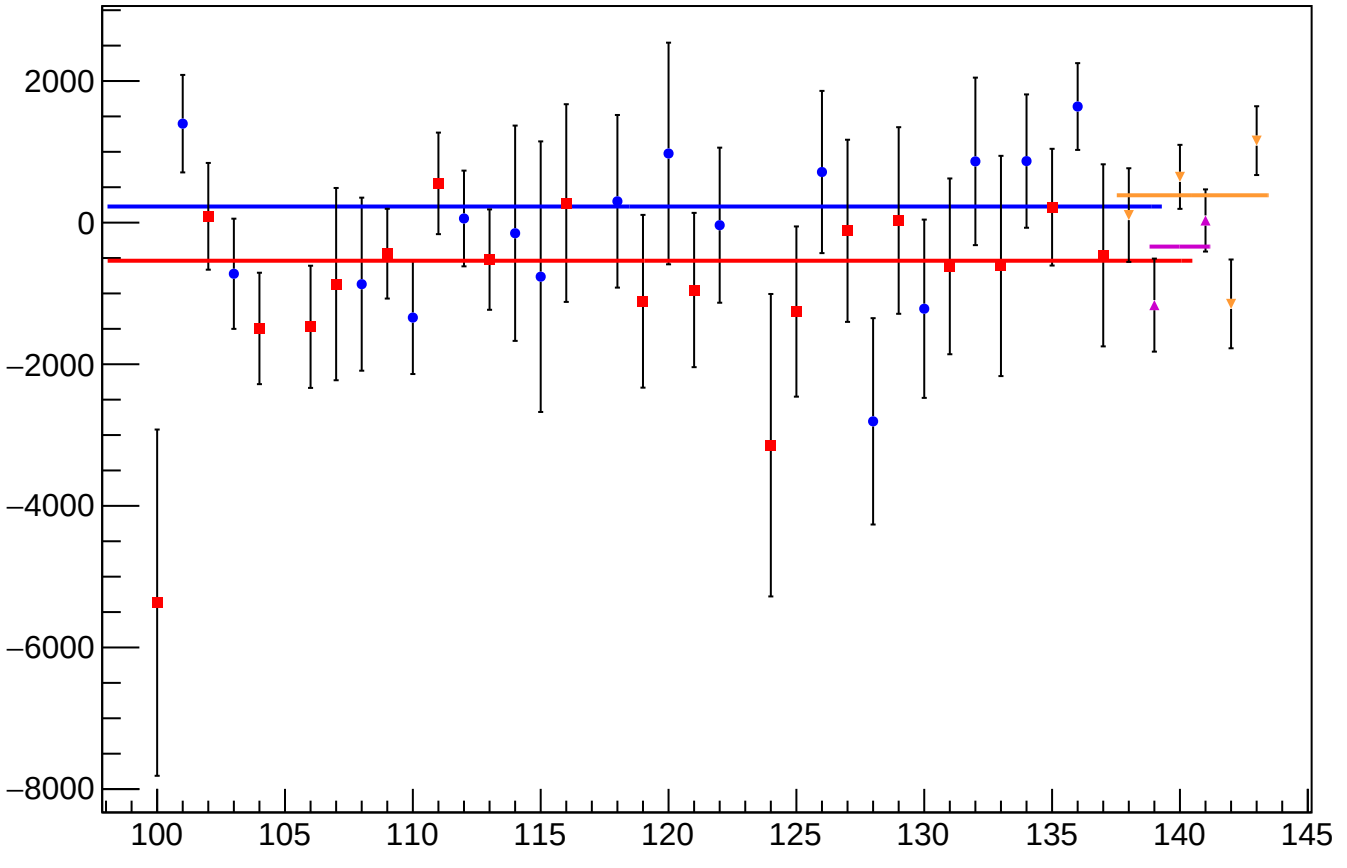
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 54.969+/-0.013 χ^2/NDF:412607.9/17

Out: 55.387+/-0.012 χ^2/NDF:449614.1/22

All: 55.191+/-0.009 χ^2/NDF: 862756.3/40

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: 386.296+/-267.633 χ^2/NDF:9.0/3

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: 132.869+/-215.828 χ^2/NDF: 13.9/5

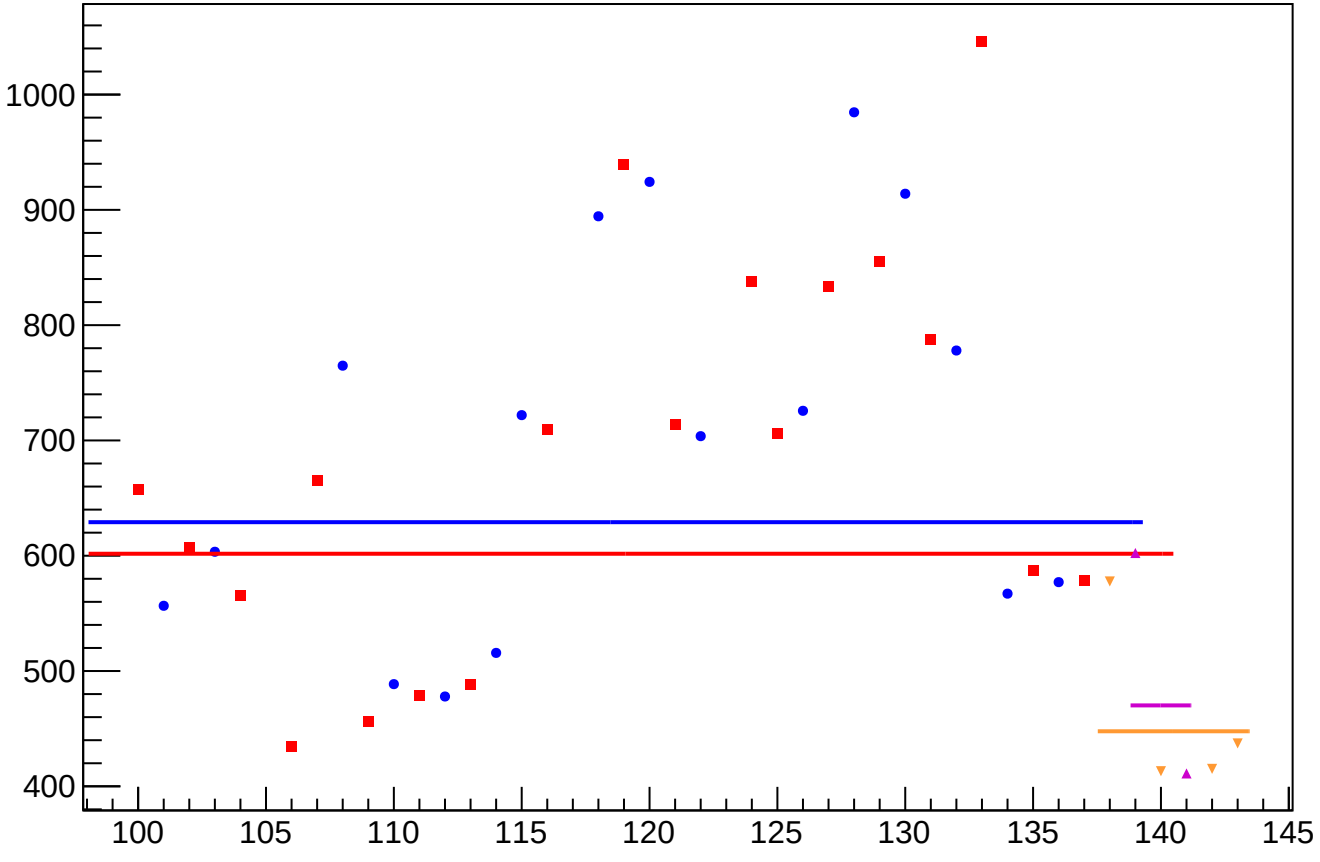
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 55.469+/-201.246 χ^2/NDF:25.6/17

Out: -147.872+/-173.890 χ^2/NDF:29.3/22

All: -60.951+/-131.576 χ^2/NDF: 55.4/40

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: 447.730+/-0.189 χ^2/NDF:95333.9/3

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 470.178+/-0.258 χ^2/NDF:117127.1/1

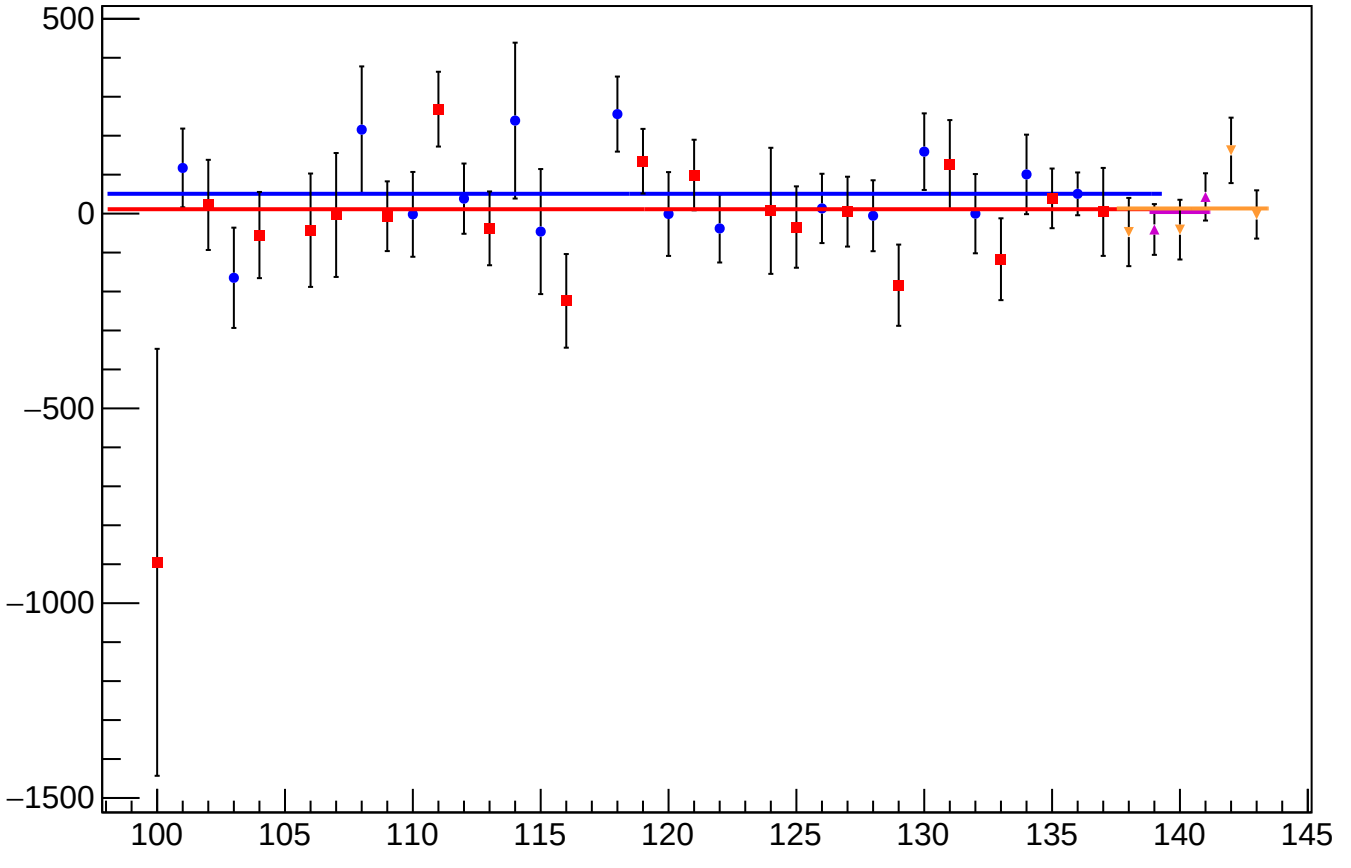
Left: 455.580+/-0.153 χ^2/NDF: 217380.9/5

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 580.787+/-0.142 χ^2/NDF:1073740.9/17

Out: 536.713+/-0.123 χ^2/NDF:1351979.7/22

All: 555.553+/-0.093 χ^2/NDF: 2480641.4/40



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: 13.169+/-37.718 χ^2/NDF:4.2/3

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 4.043+/-44.410 χ^2/NDF:0.9/1

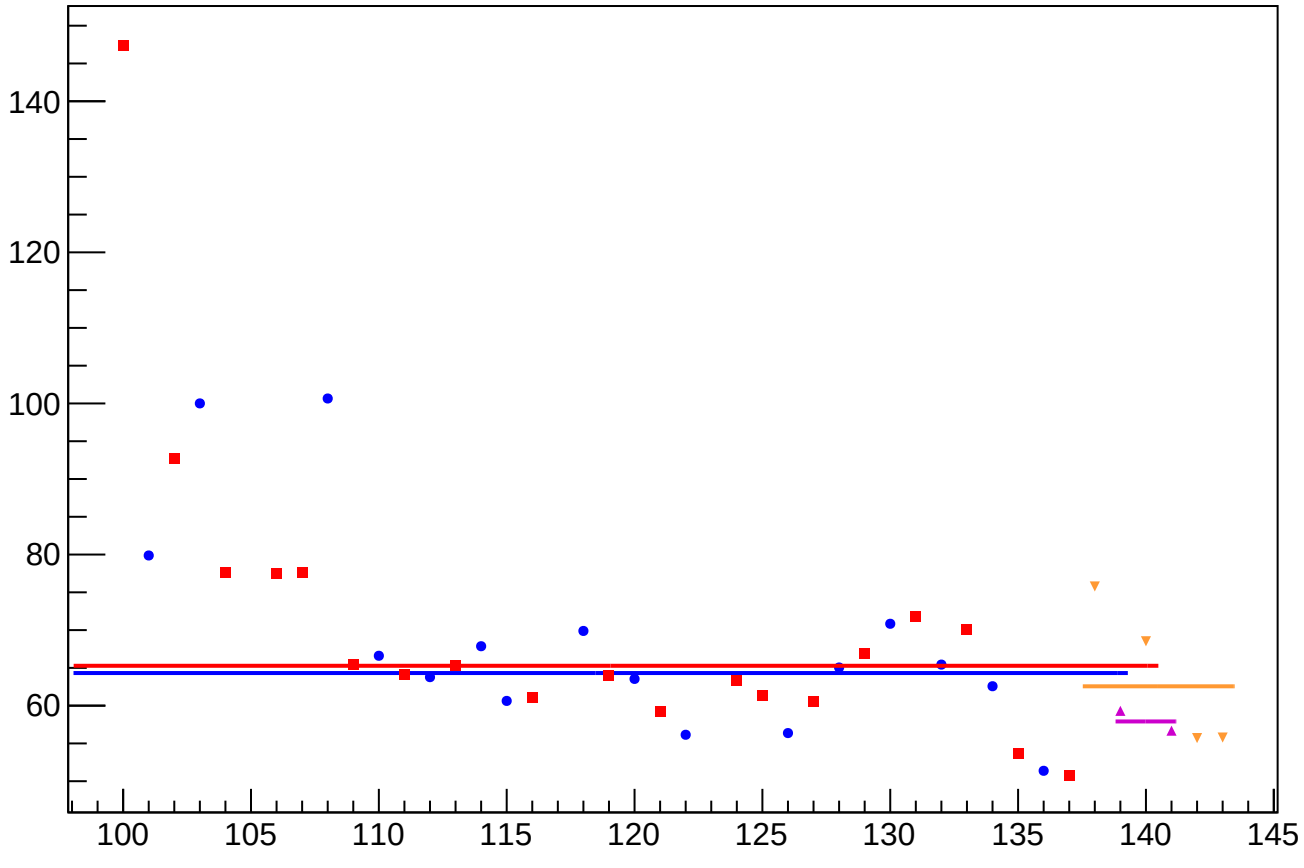
Left: 9.345+/-28.749 χ^2/NDF: 5.1/5

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 39.942+/-21.447 χ^2/NDF:15.5/17

Out: 11.821+/-20.442 χ^2/NDF:28.2/22

All: 25.208+/-14.797 χ^2/NDF: 44.7/40



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 62.560+/-0.027 χ^2/NDF:94915.3/3

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 57.909+/-0.031 χ^2/NDF:1738.1/1

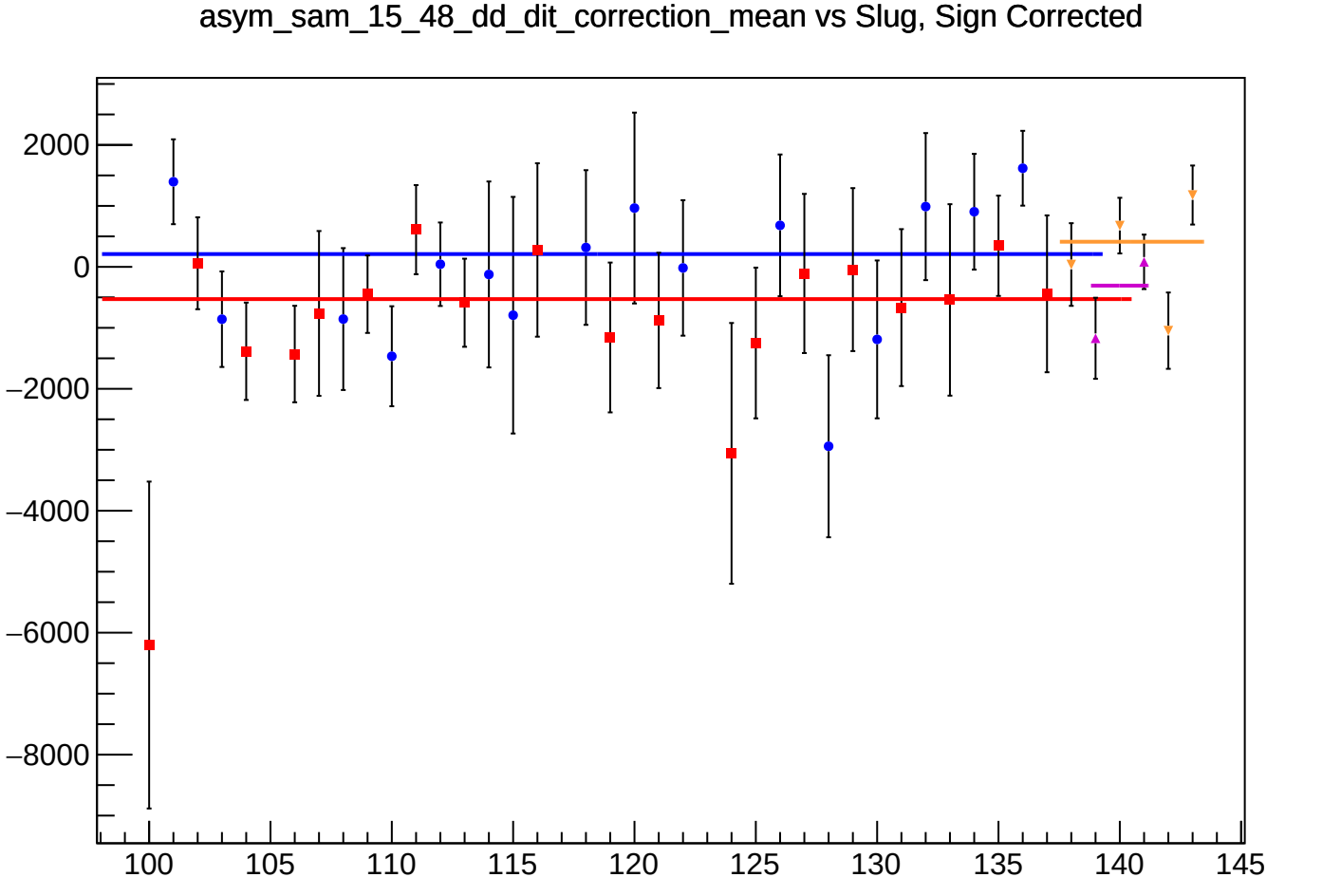
Left: 60.611+/-0.020 χ^2/NDF: 109397.0/5

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 62.822+/-0.015 χ^2/NDF:498618.2/17

Out: 64.479+/-0.014 χ^2/NDF:421383.9/22

All: 63.691+/-0.010 χ^2/NDF: 926255.9/40



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 412.236+/-269.234 χ^2/NDF:8.6/3

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -307.543+/-370.859 χ^2/NDF:2.4/1

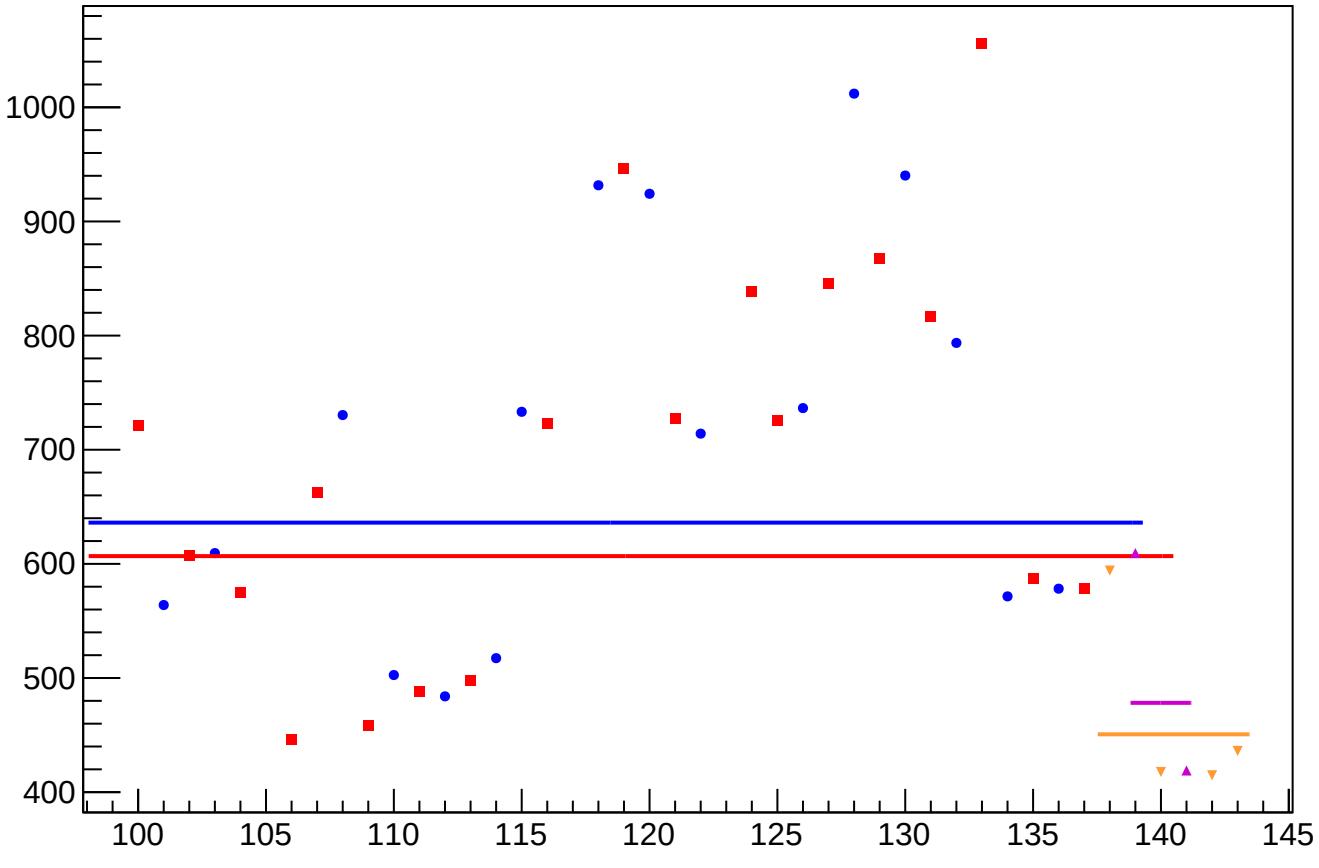
Left: 163.812+/-217.874 χ^2/NDF: 13.5/5

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 53.842+/-203.720 χ^2/NDF:26.2/17

Out: -132.352+/-174.735 χ^2/NDF:29.5/22

All: -53.432+/-132.631 χ^2/NDF: 56.2/40



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 450.675+/-0.190 χ^2/NDF:108408.2/3

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 478.260+/-0.262 χ^2/NDF:113088.7/1

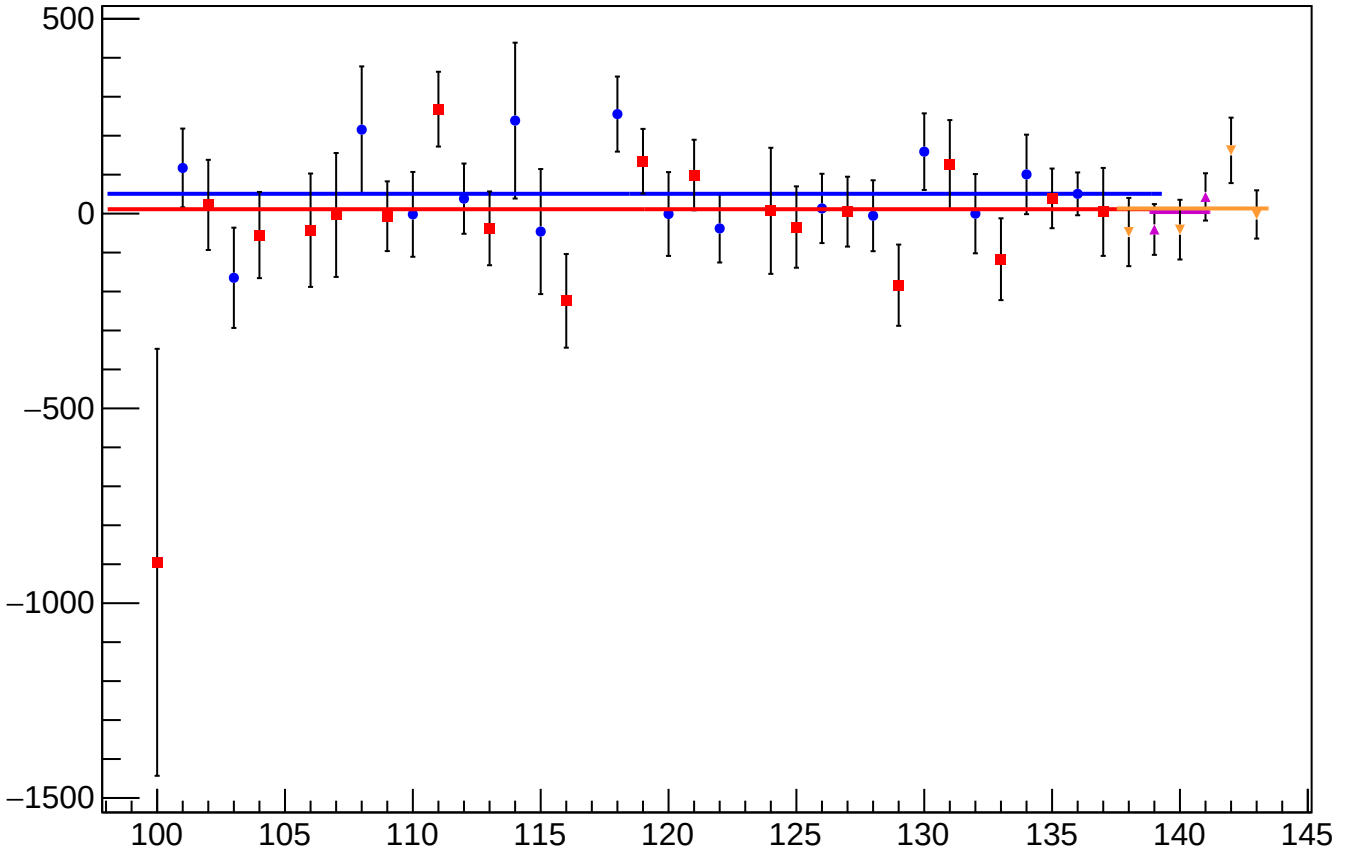
Left: 460.195+/-0.154 χ^2/NDF: 228743.2/5

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 588.502+/-0.144 χ^2/NDF:1071431.1/17

Out: 541.040+/-0.124 χ^2/NDF:1391557.5/22

All: 561.157+/-0.094 χ^2/NDF: 2525533.0/40



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: 13.169+/-37.718 χ^2/NDF:4.2/3

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 4.044+/-44.410 χ^2/NDF:0.9/1

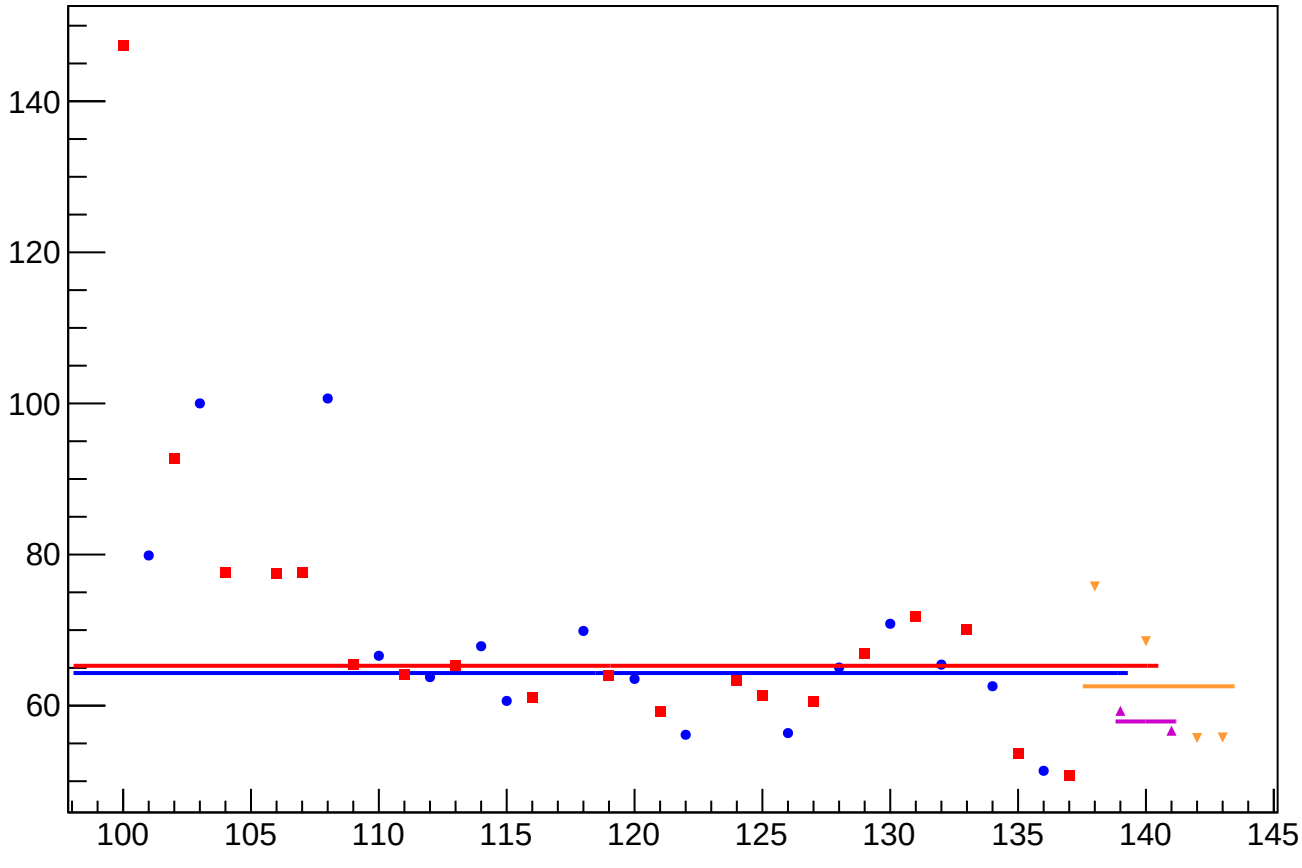
Left: 9.345+/-28.749 χ^2/NDF: 5.1/5

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 39.941+/-21.447 χ^2/NDF:15.5/17

Out: 11.821+/-20.442 χ^2/NDF:28.2/22

All: 25.207+/-14.797 χ^2/NDF: 44.7/40



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 62.560+/-0.027 χ^2/NDF:94910.0/3

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: 60.611+/-0.020 χ^2/NDF: 109392.7/5

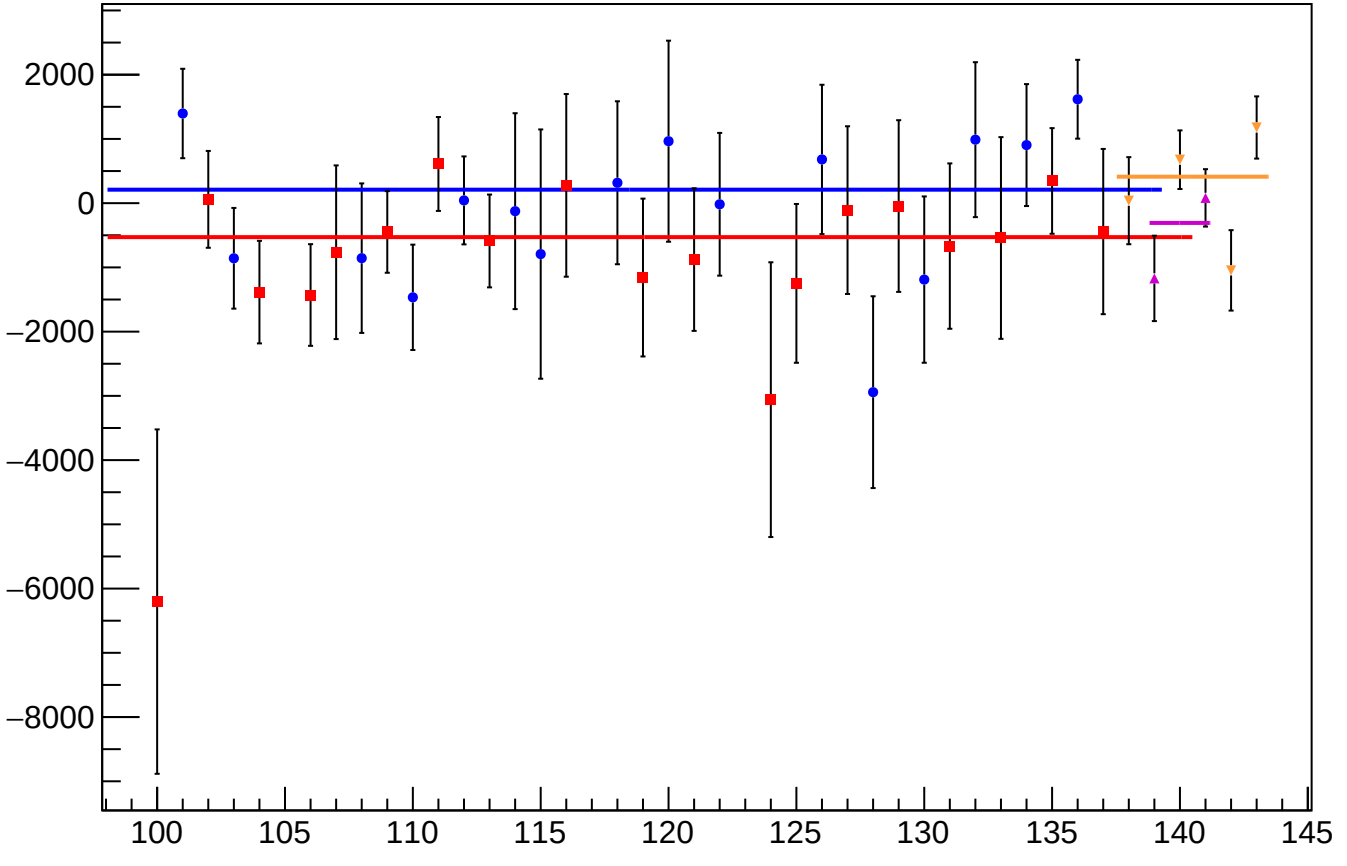
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 62.822+/-0.015 χ^2/NDF:498617.5/17

Out: 64.479+/-0.014 χ^2/NDF:421381.3/22

All: 63.690+/-0.010 χ^2/NDF: 926252.9/40

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: 412.237+/-269.234 χ^2/NDF:8.6/3

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: 163.812+/-217.873 χ^2/NDF: 13.5/5

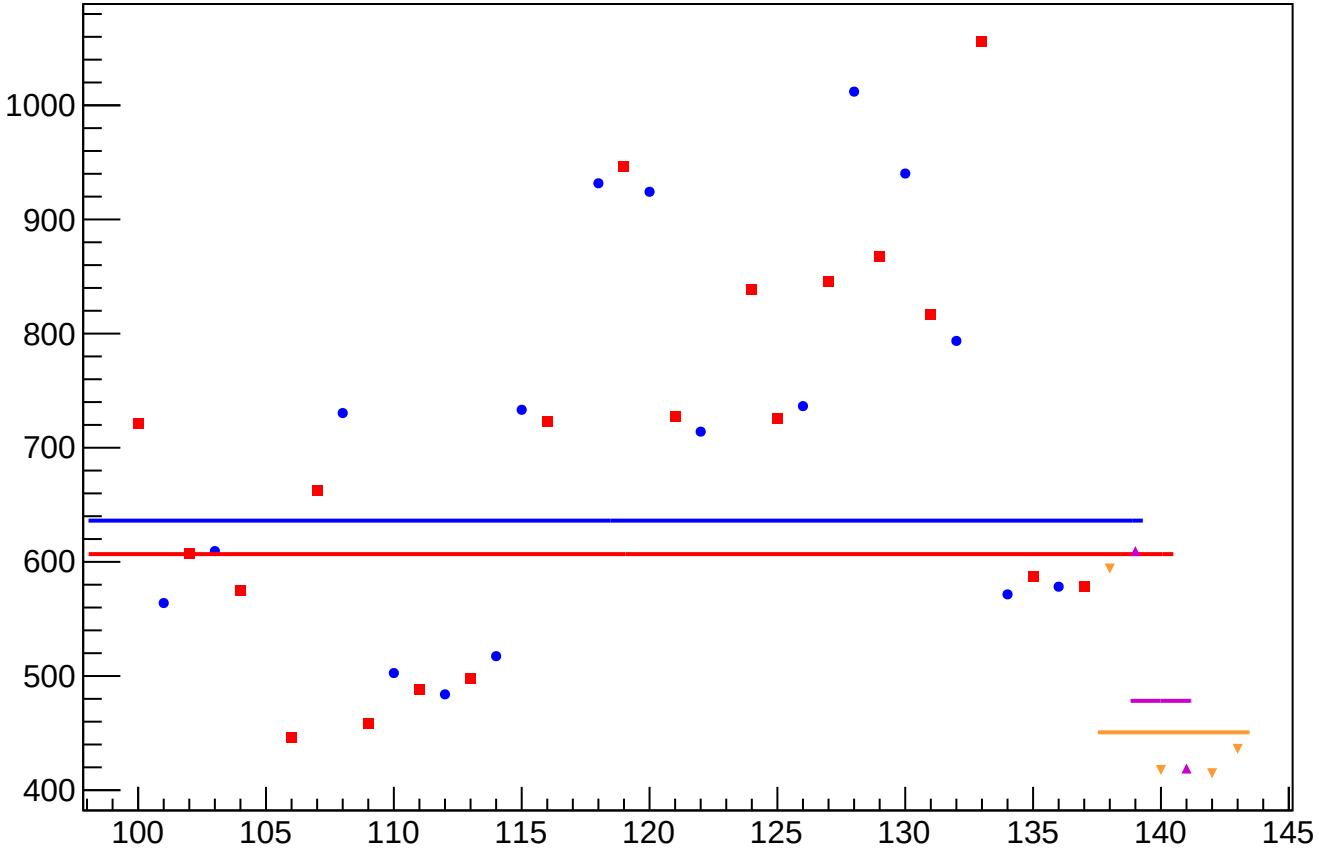
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 53.841+/-203.720 χ^2/NDF:26.2/17

Out: -132.351+/-174.735 χ^2/NDF:29.5/22

All: -53.432+/-132.631 χ^2/NDF: 56.2/40

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: 450.674+/-0.190 χ^2/NDF:108406.3/3

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: 460.194+/-0.154 χ^2/NDF: 228742.0/5

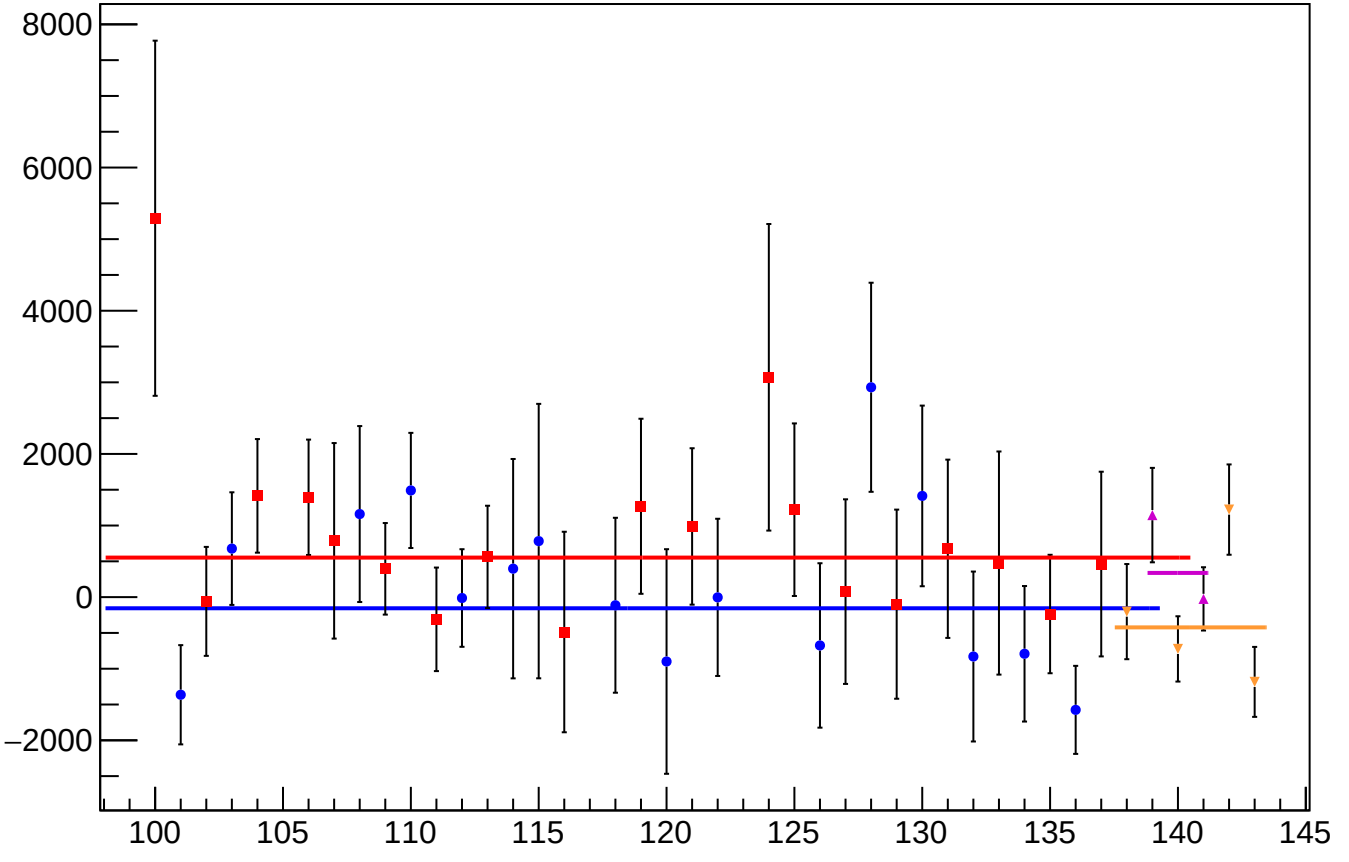
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 588.501+/-0.144 χ^2/NDF:1071440.0/17

Out: 541.039+/-0.124 χ^2/NDF:1391559.4/22

All: 561.156+/-0.094 χ^2/NDF: 2525543.0/40

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -422.660+/-269.441 χ^2/NDF:9.8/3

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: -156.332+/-217.216 χ^2/NDF: 14.7/5

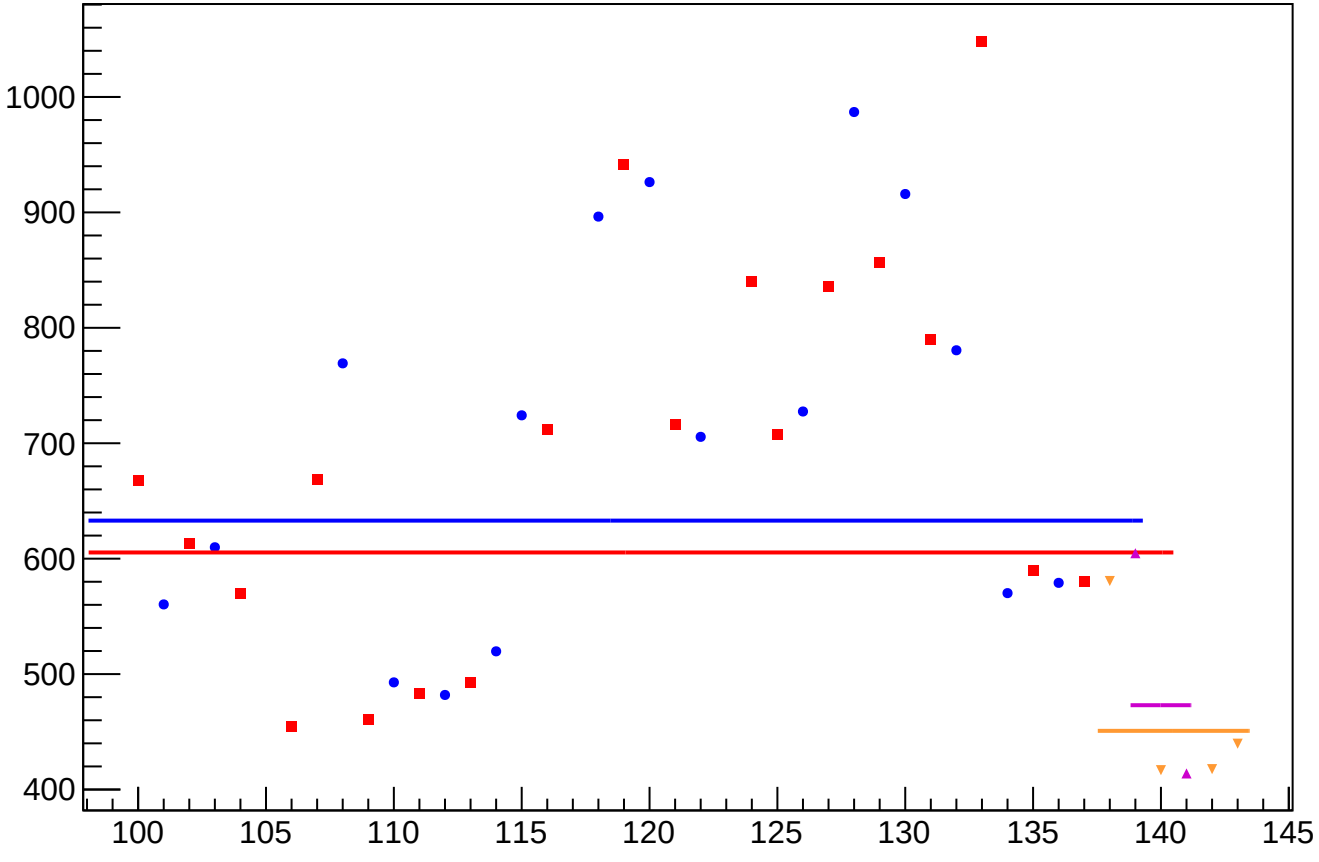
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -5.580+/-202.396 χ^2/NDF:25.9/17

Out: 143.563+/-174.444 χ^2/NDF:29.5/22

All: 79.994+/-132.137 χ^2/NDF: 55.7/40

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 450.834+/-0.191 χ^2/NDF:94032.9/3

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 473.050+/-0.260 χ^2/NDF:115514.1/1

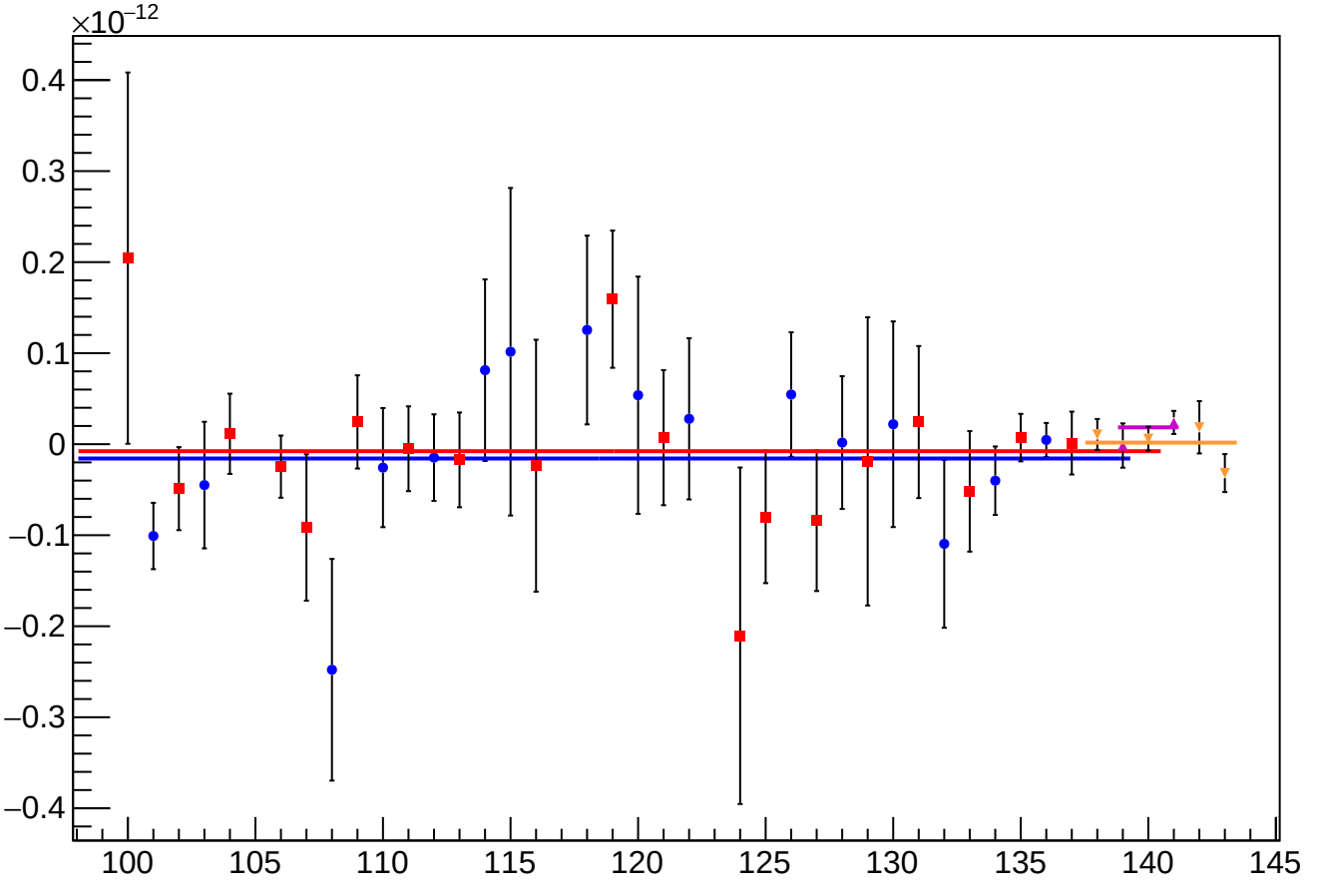
Left: 458.612+/-0.154 χ^2/NDF: 214307.3/5

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 584.360+/-0.143 χ^2/NDF:1060803.0/17

Out: 540.596+/-0.123 χ^2/NDF:1330179.1/22

All: 559.250+/-0.093 χ^2/NDF: 2444634.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/1

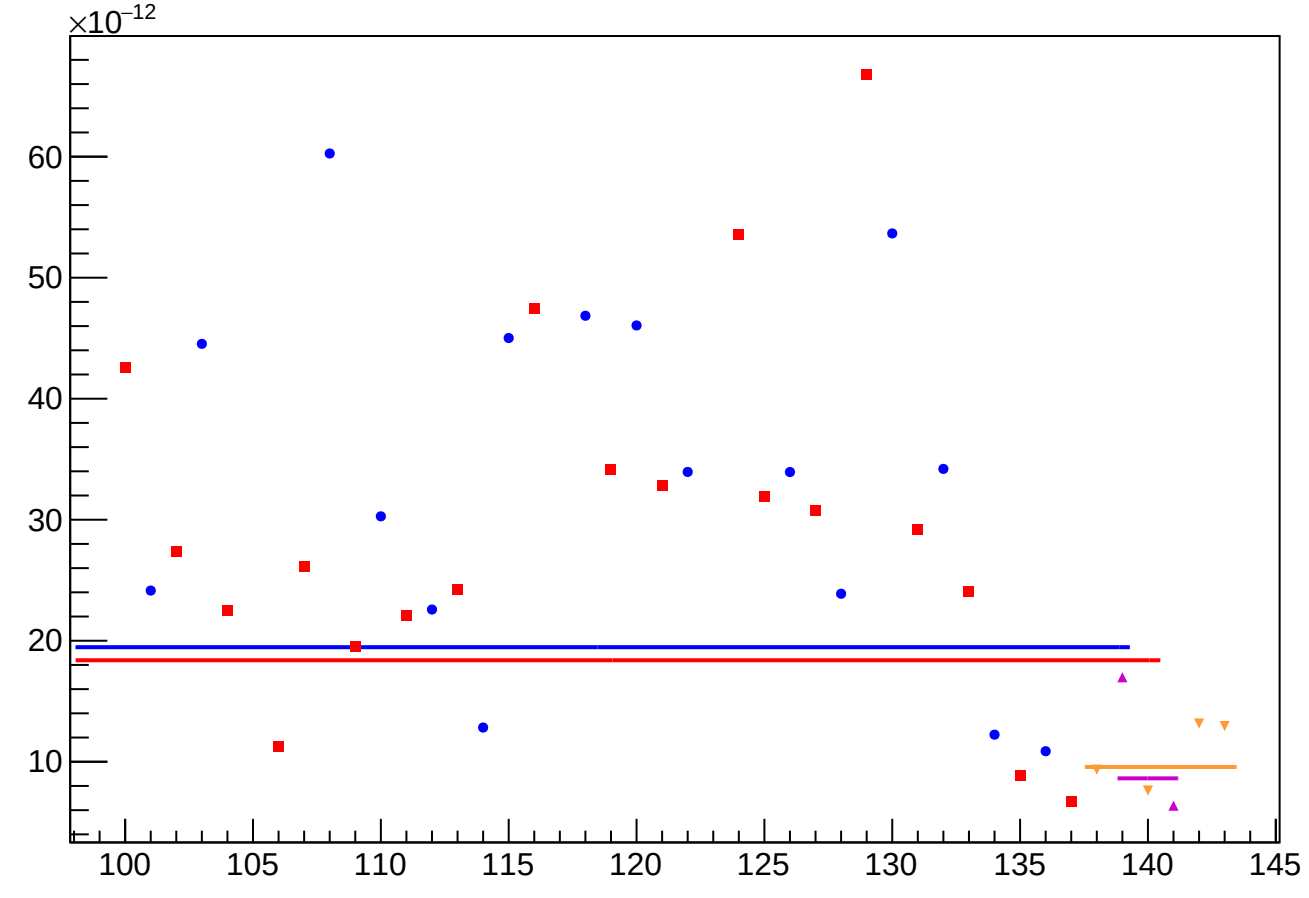
Left: 0.000+/-0.000 χ^2/NDF: 5.5/5

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:16.7/22

All: 0.000+/-0.000 χ^2/NDF: 38.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:128247.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:299386.1/1

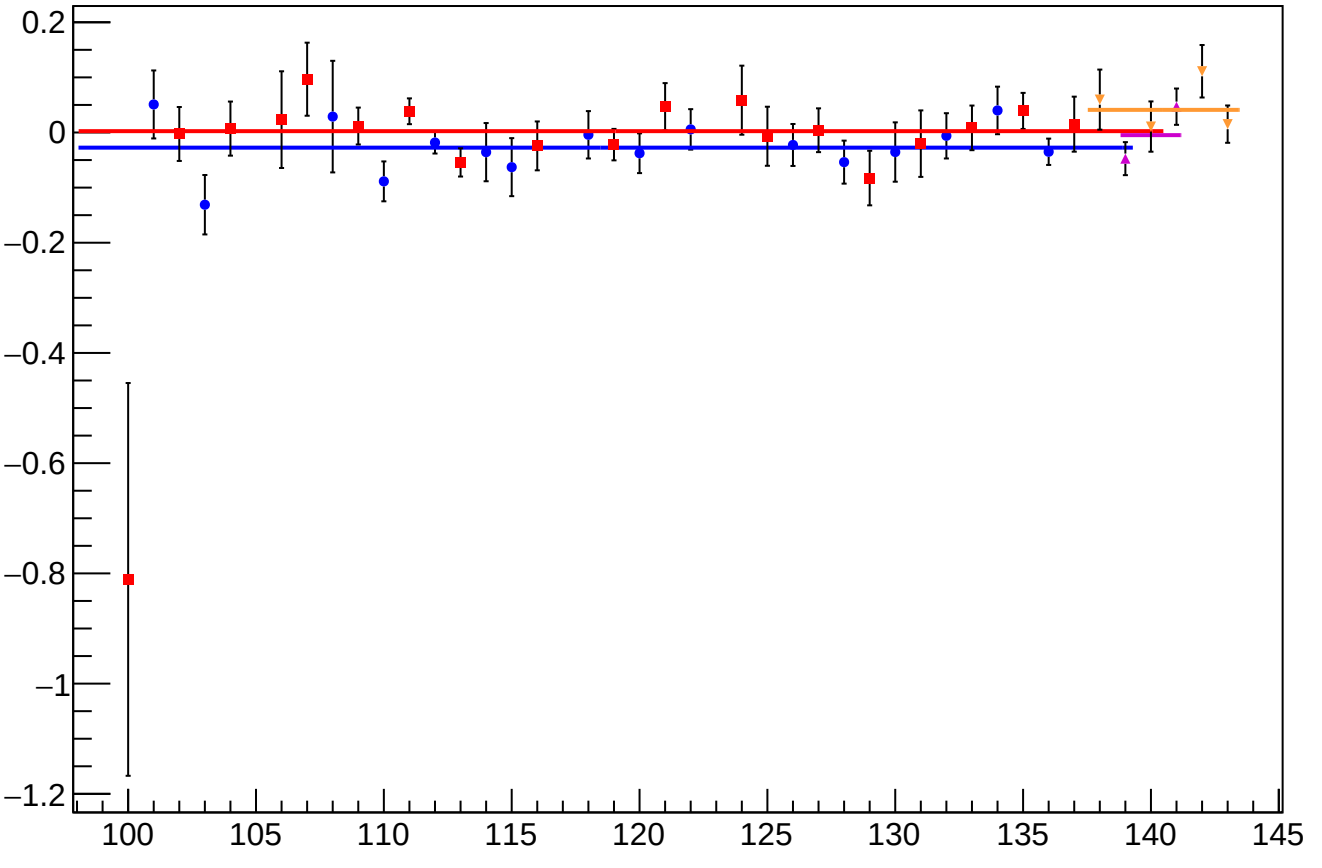
Left: 0.000+/-0.000 χ^2/NDF: 436296.9/5

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:2261810.6/22

All: 0.000+/-0.000 χ^2/NDF: 5132078.9/40



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

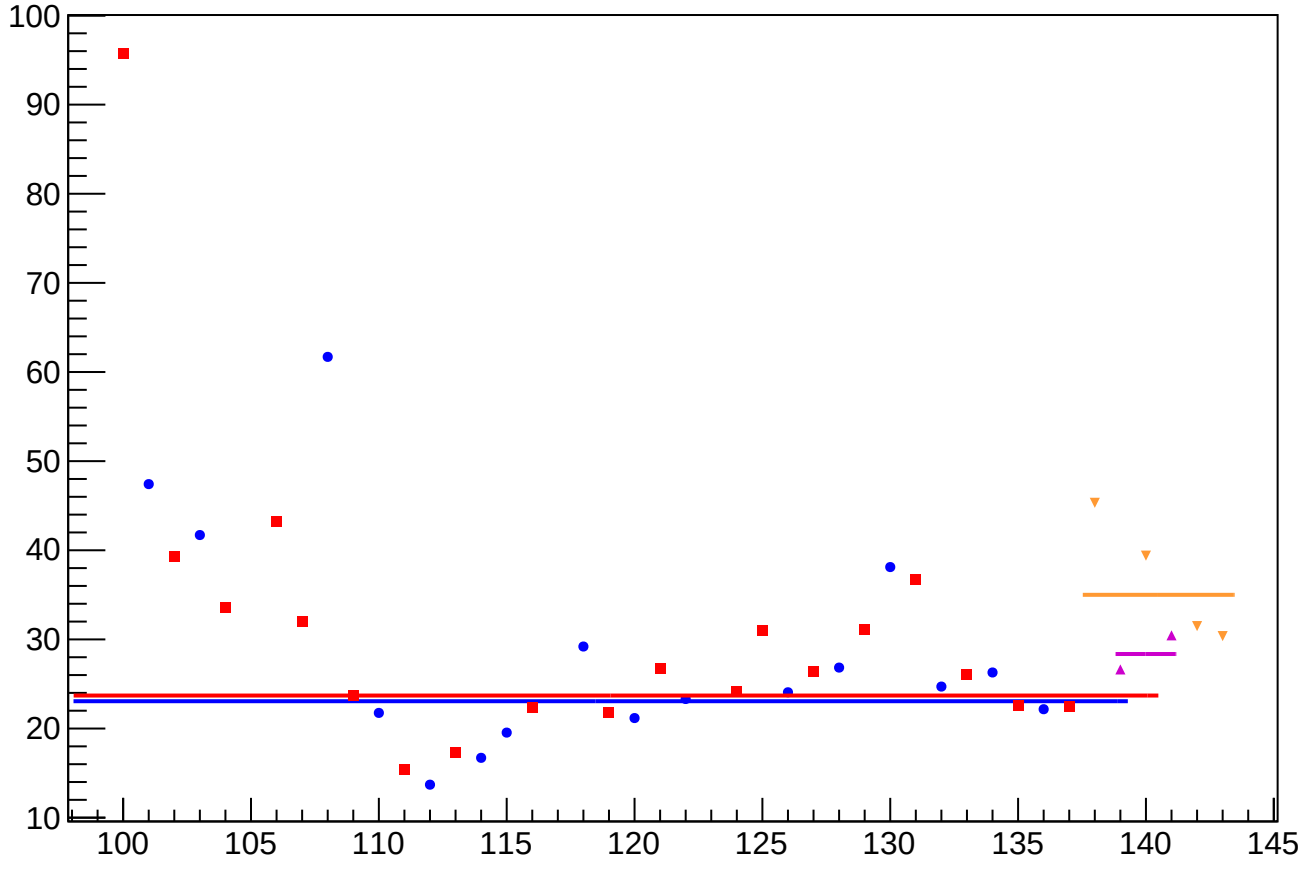
Left: 0.019+/-0.015 χ^2/NDF: 10.0/5

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.008+/-0.006 χ^2/NDF: 54.3/40



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 35.002+/-0.015 χ^2/NDF:138593.5/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 28.362+/-0.016 χ^2/NDF:14757.4/1

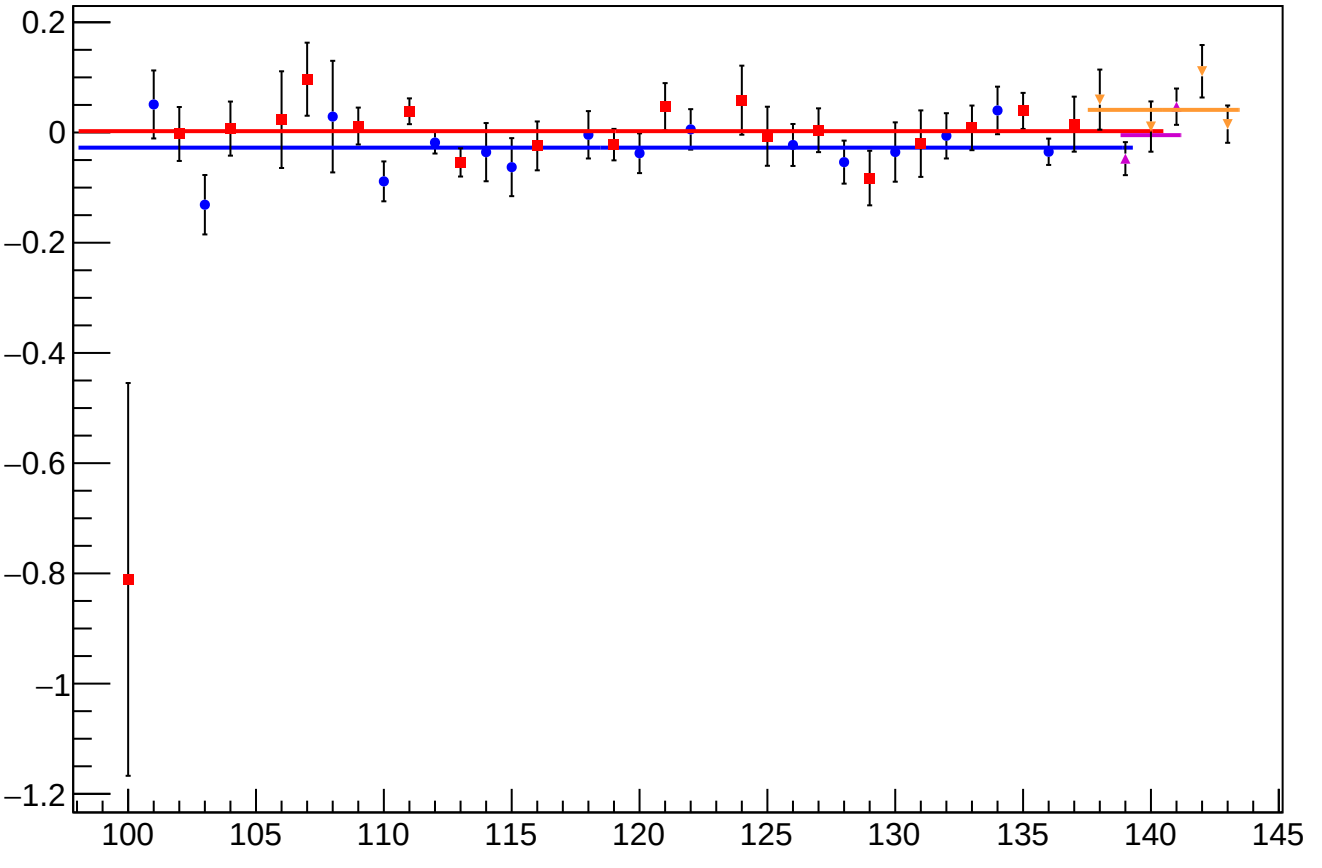
Left: 31.757+/-0.011 χ^2/NDF: 245151.5/5

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.872+/-0.006 χ^2/NDF:1676088.3/17

Out: 25.458+/-0.006 χ^2/NDF:1686614.5/22

All: 24.675+/-0.004 χ^2/NDF: 3396728.8/40



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

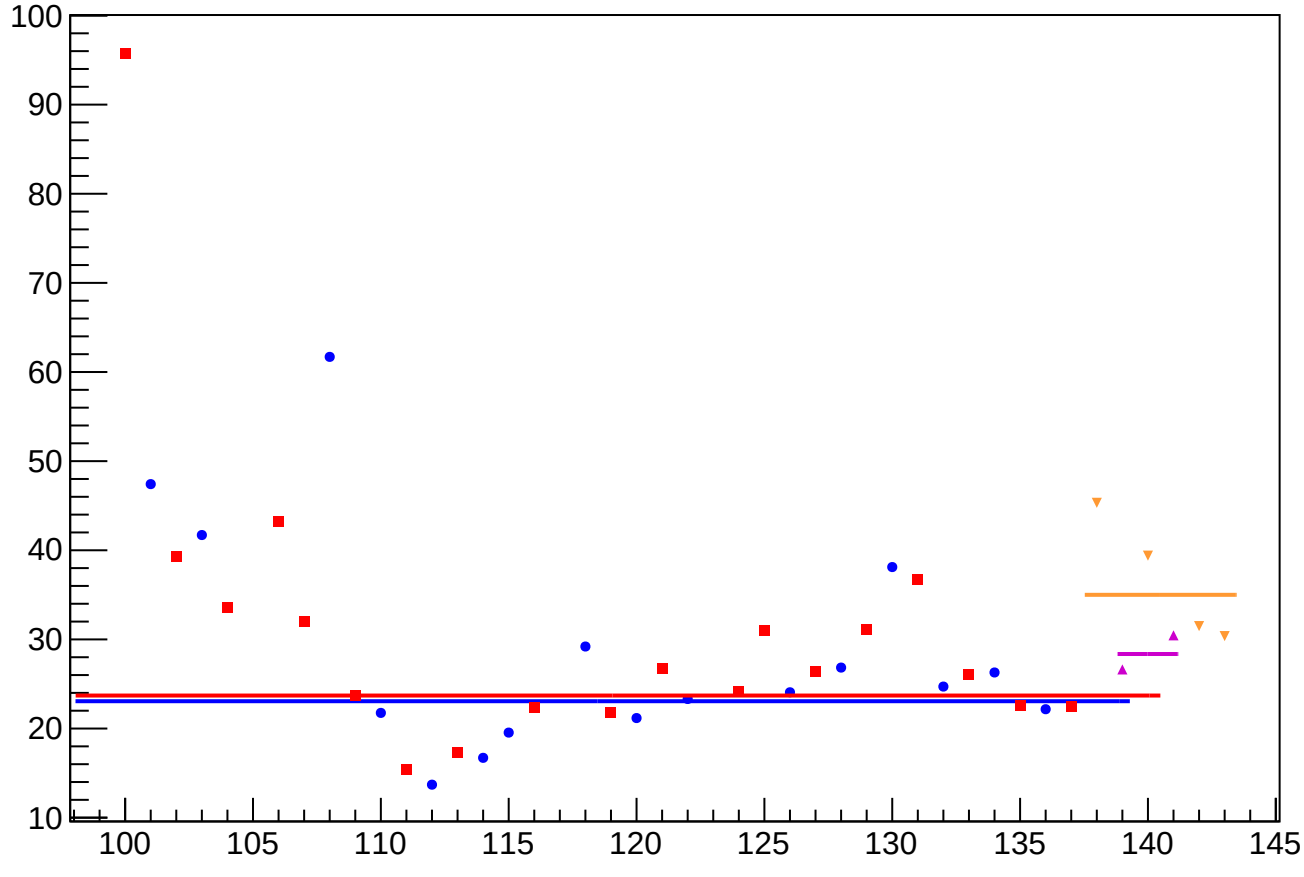
Left: 0.019+/-0.015 χ^2/NDF: 10.0/5

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.008+/-0.006 χ^2/NDF: 54.3/40



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 35.002+/-0.015 χ^2/NDF:138593.5/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 28.362+/-0.016 χ^2/NDF:14757.4/1

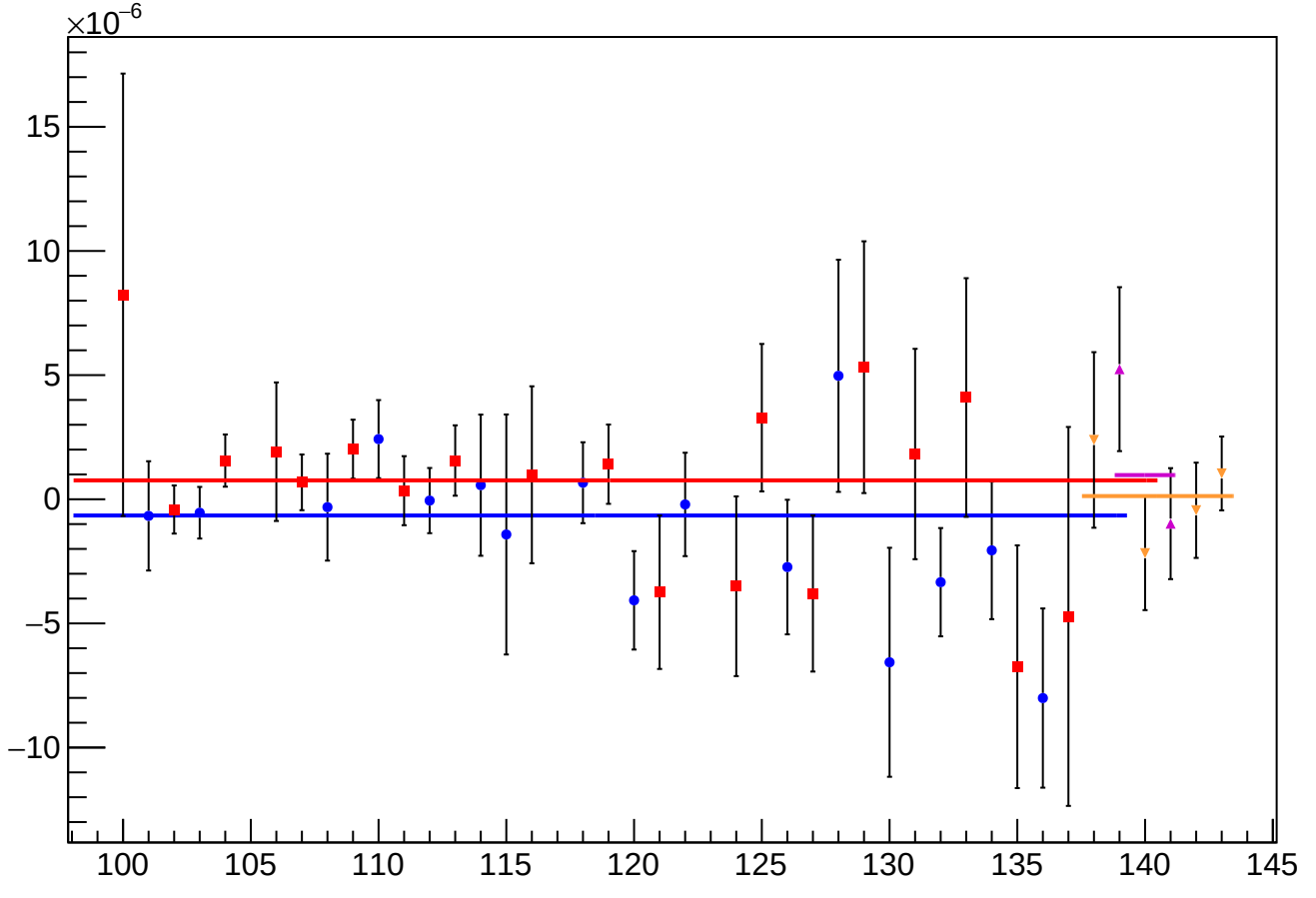
Left: 31.757+/-0.011 χ^2/NDF: 245151.5/5

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 23.872+/-0.006 χ^2/NDF:1676088.3/17

Out: 25.458+/-0.006 χ^2/NDF:1686614.5/22

All: 24.675+/-0.004 χ^2/NDF: 3396728.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

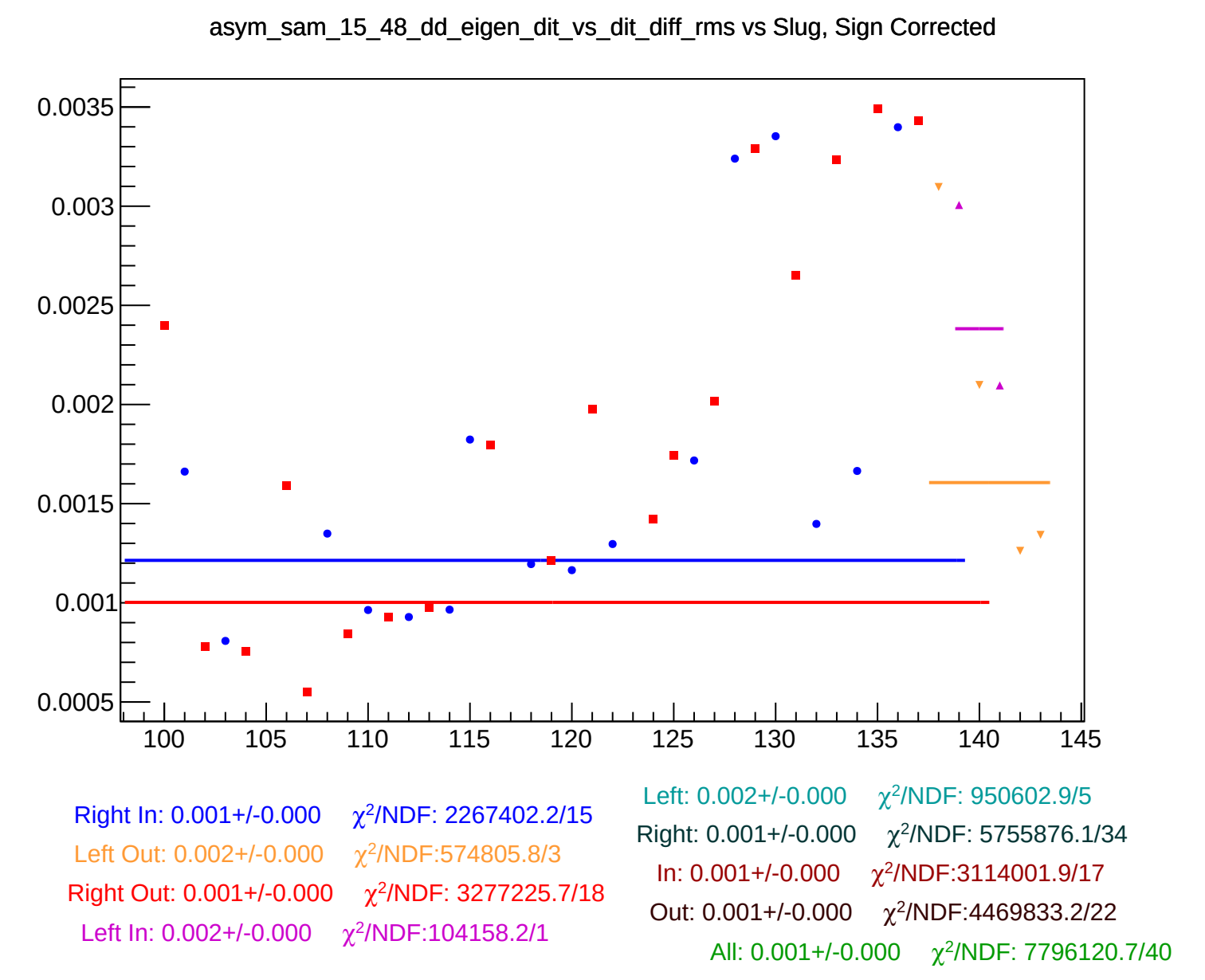
Left: 0.000+/-0.000 χ^2/NDF: 4.5/5

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:17.4/22

All: 0.000+/-0.000 χ^2/NDF: 42.0/40


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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0.0025
0.002
0.0015
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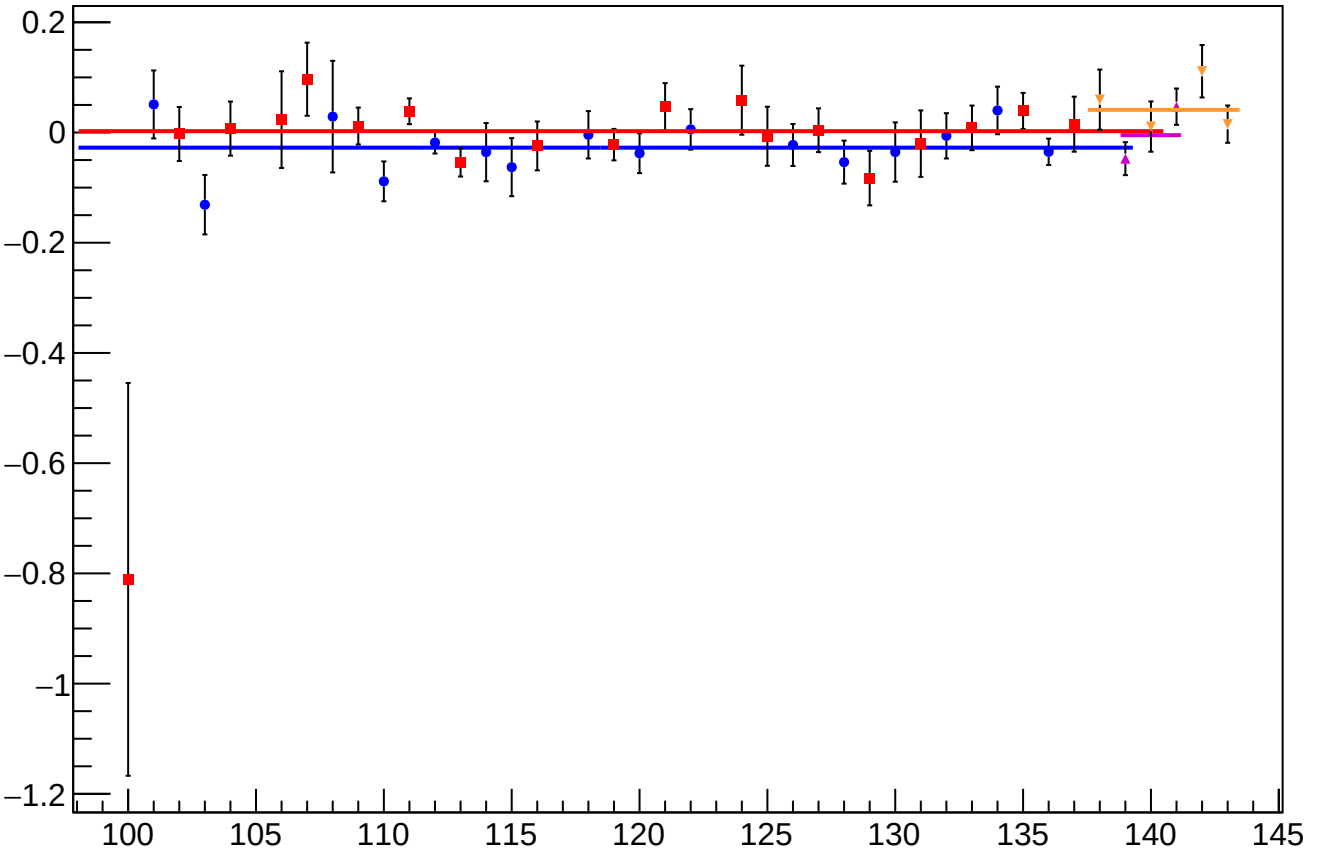
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.002+/-0.000 χ²/NDF:574805.8/3
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.002+/-0.000 χ²/NDF:104158.2/1
Left: 0.002+/-0.000 χ²/NDF: 950602.9/5
Right: 0.001+/-0.000 χ²/NDF: 5755876.1/34
In: 0.001+/-0.000 χ²/NDF:3114001.9/17
Out: 0.001+/-0.000 χ²/NDF:4469833.2/22
All: 0.001+/-0.000 χ²/NDF: 7796120.7/40



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

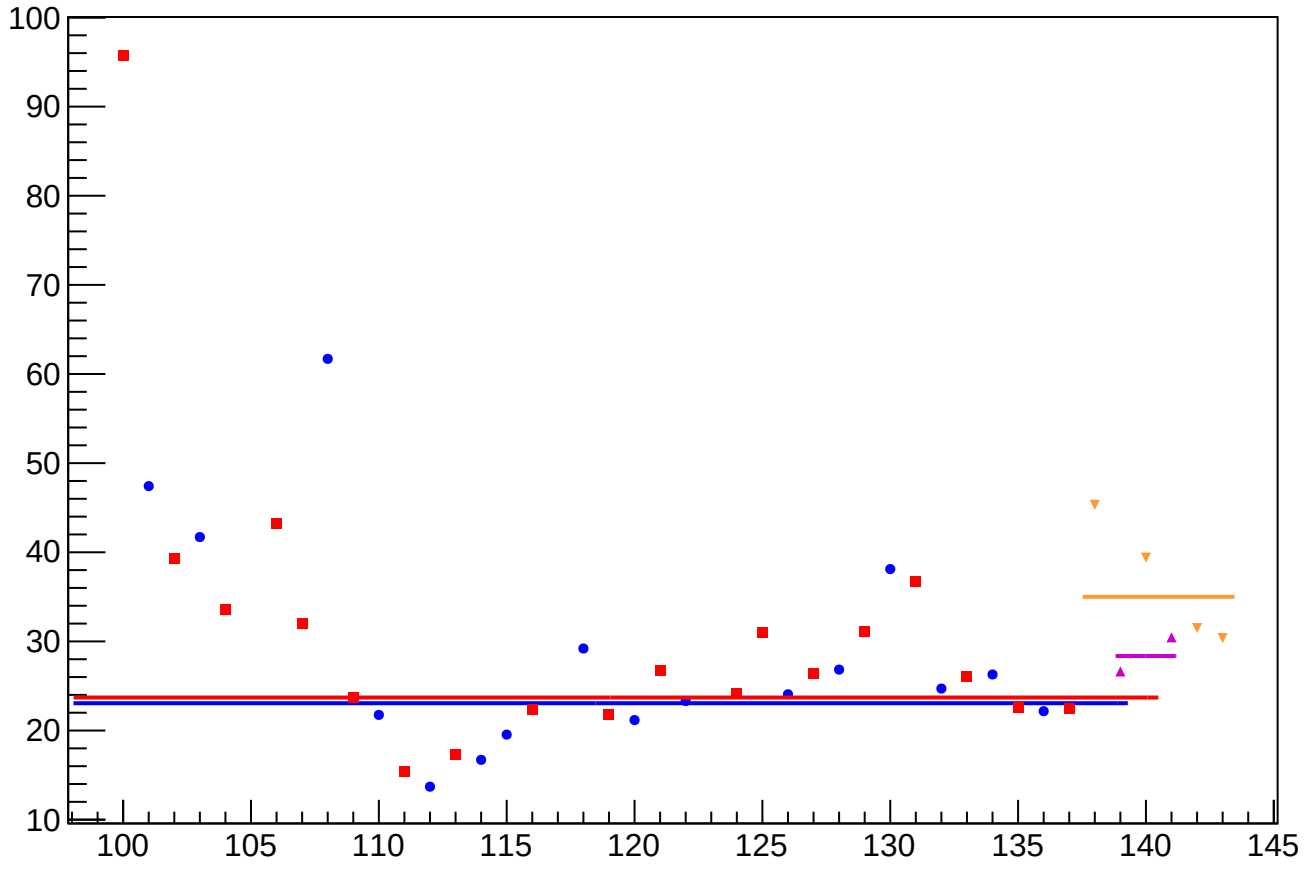
Left: 0.019+/-0.015 χ^2/NDF: 10.0/5

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.008+/-0.006 χ^2/NDF: 54.3/40



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 35.003+/-0.015 χ^2/NDF:138572.4/3

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 28.362+/-0.016 χ^2/NDF:14765.0/1

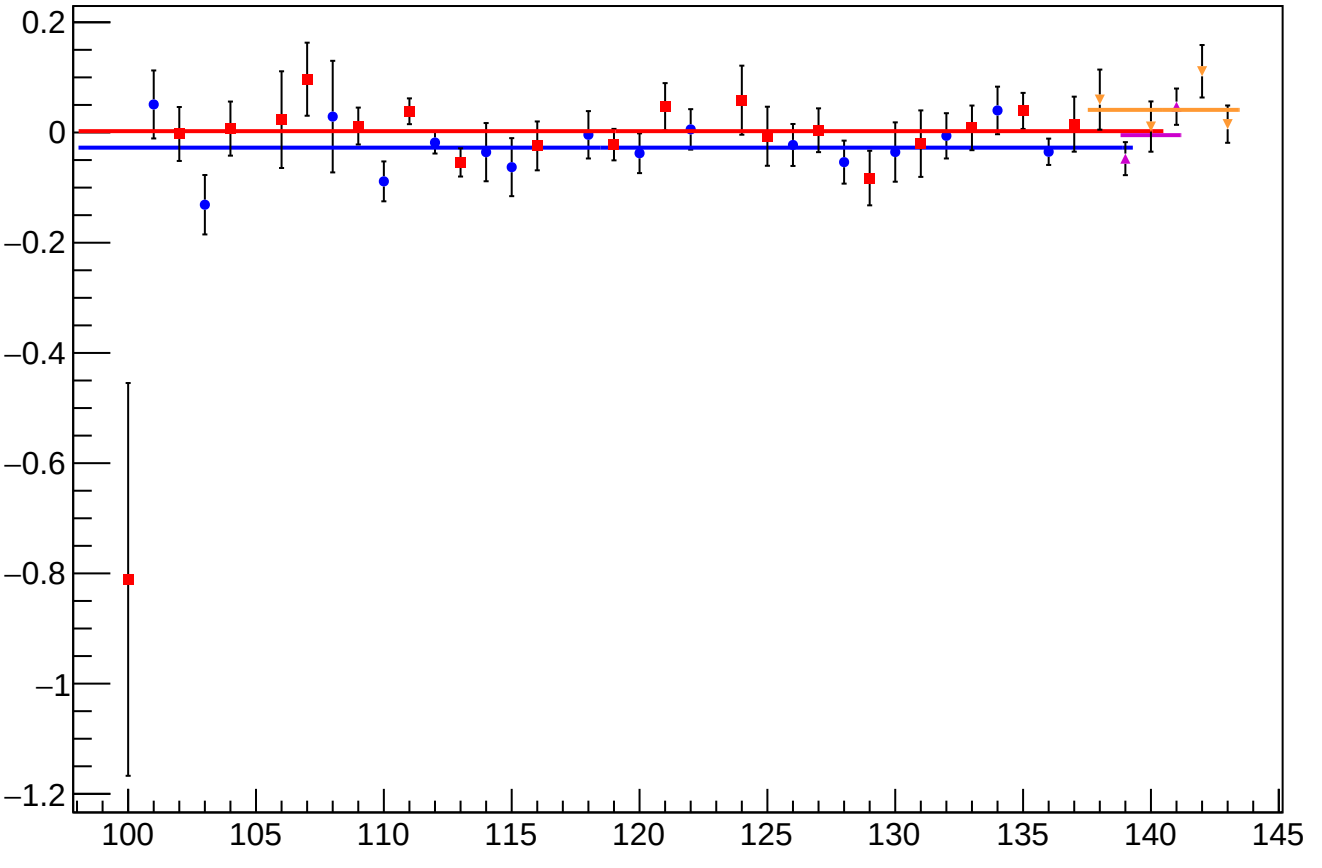
Left: 31.757+/-0.011 χ^2/NDF: 245159.3/5

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 23.872+/-0.006 χ^2/NDF:1676100.5/17

Out: 25.458+/-0.006 χ^2/NDF:1686662.3/22

All: 24.675+/-0.004 χ^2/NDF: 3396790.4/40



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.041+/-0.022 χ^2/NDF:3.3/3

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.005+/-0.022 χ^2/NDF:4.5/1

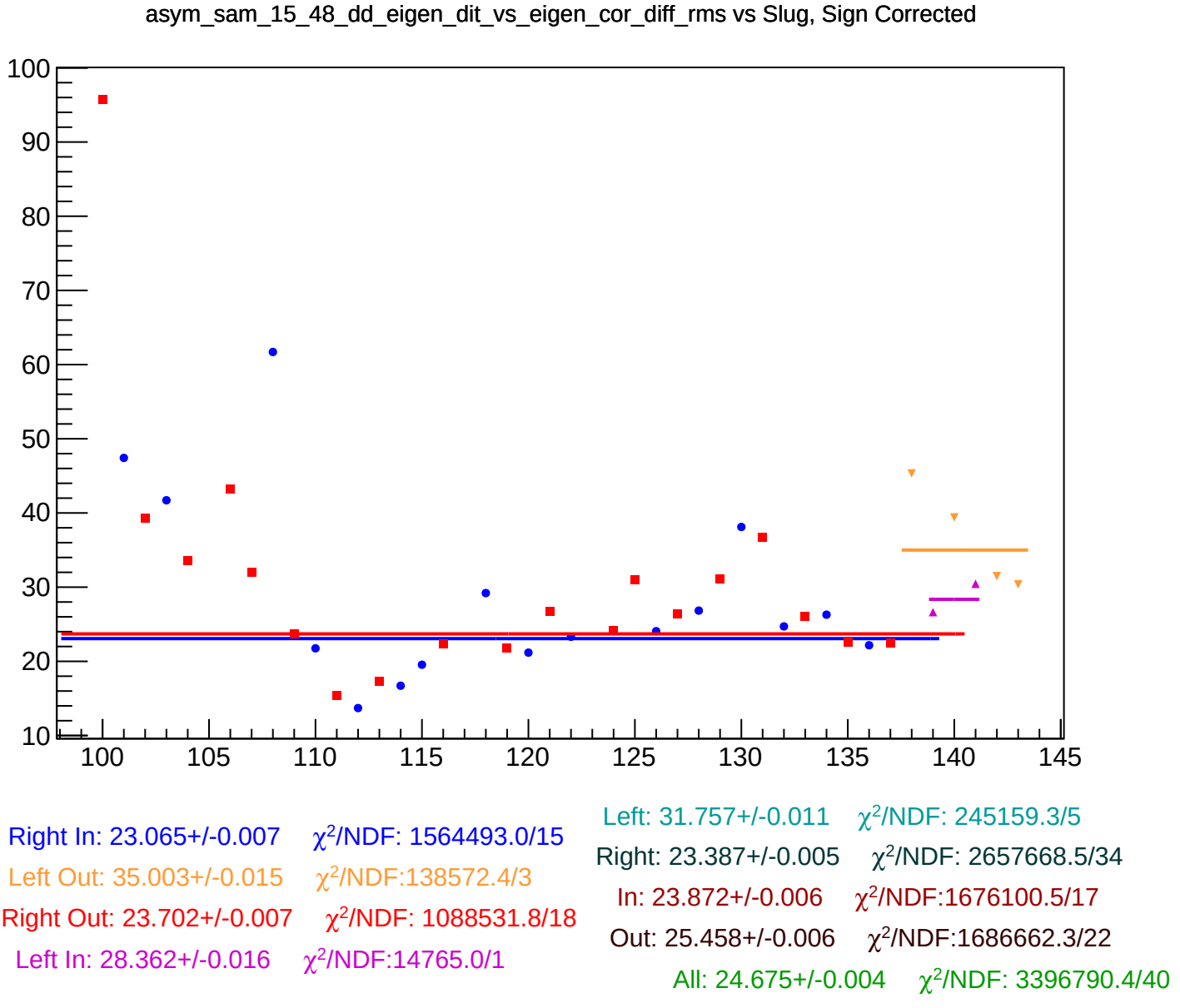
Left: 0.019+/-0.015 χ^2/NDF: 10.0/5

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.024+/-0.009 χ^2/NDF:19.0/17

Out: 0.008+/-0.009 χ^2/NDF:28.1/22

All: -0.008+/-0.006 χ^2/NDF: 54.3/40


asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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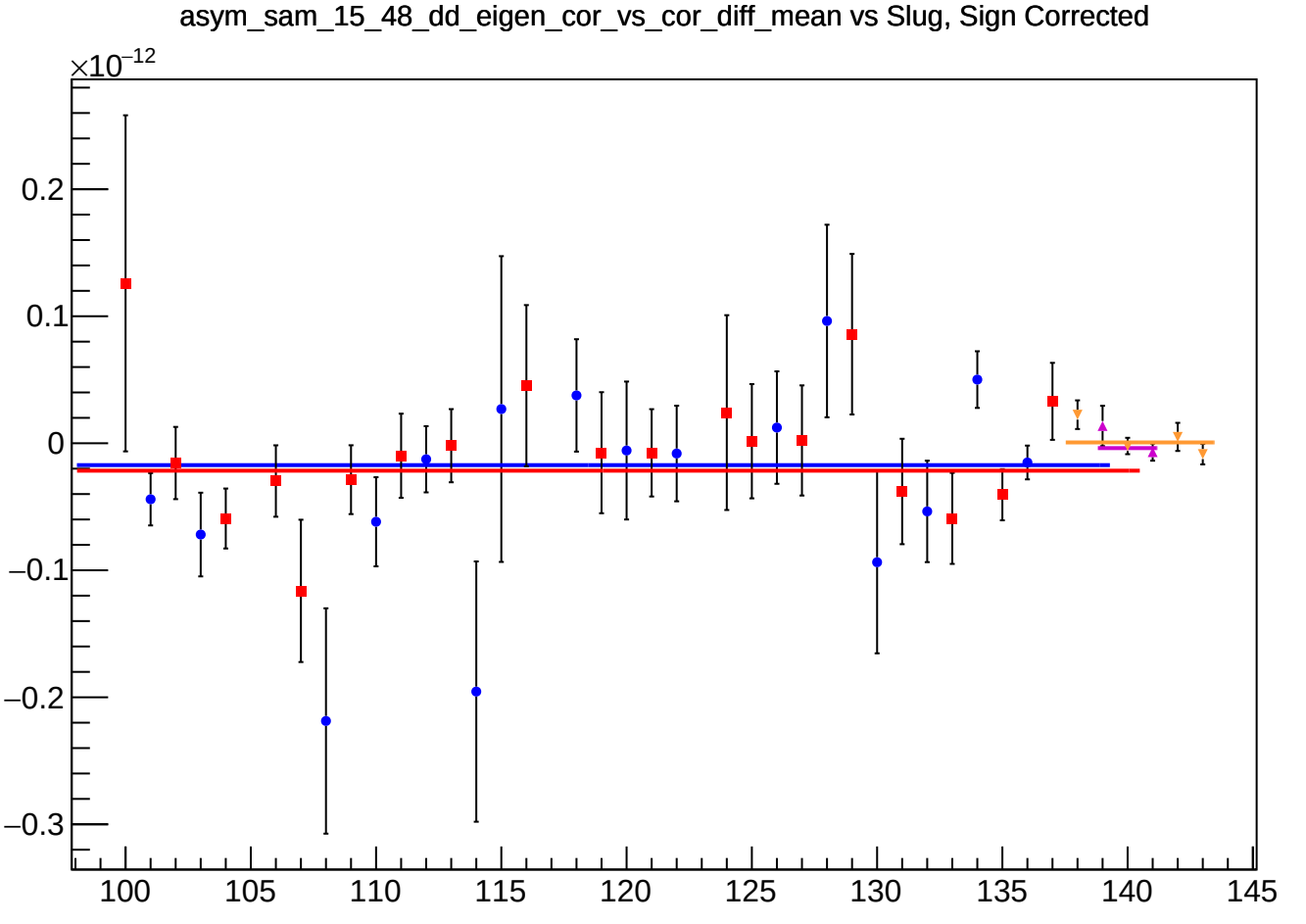
Right In: 23.065+/-0.007 χ²/NDF: 1564493.0/15
Left Out: 35.003+/-0.015 χ²/NDF:138572.4/3
Right Out: 23.702+/-0.007 χ²/NDF: 1088531.8/18
Left In: 28.362+/-0.016 χ²/NDF:14765.0/1
Left: 31.757+/-0.011 χ²/NDF: 245159.3/5
Right: 23.387+/-0.005 χ²/NDF: 2657668.5/34
In: 23.872+/-0.006 χ²/NDF:1676100.5/17
Out: 25.458+/-0.006 χ²/NDF:1686662.3/22
All: 24.675+/-0.004 χ²/NDF: 3396790.4/40


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
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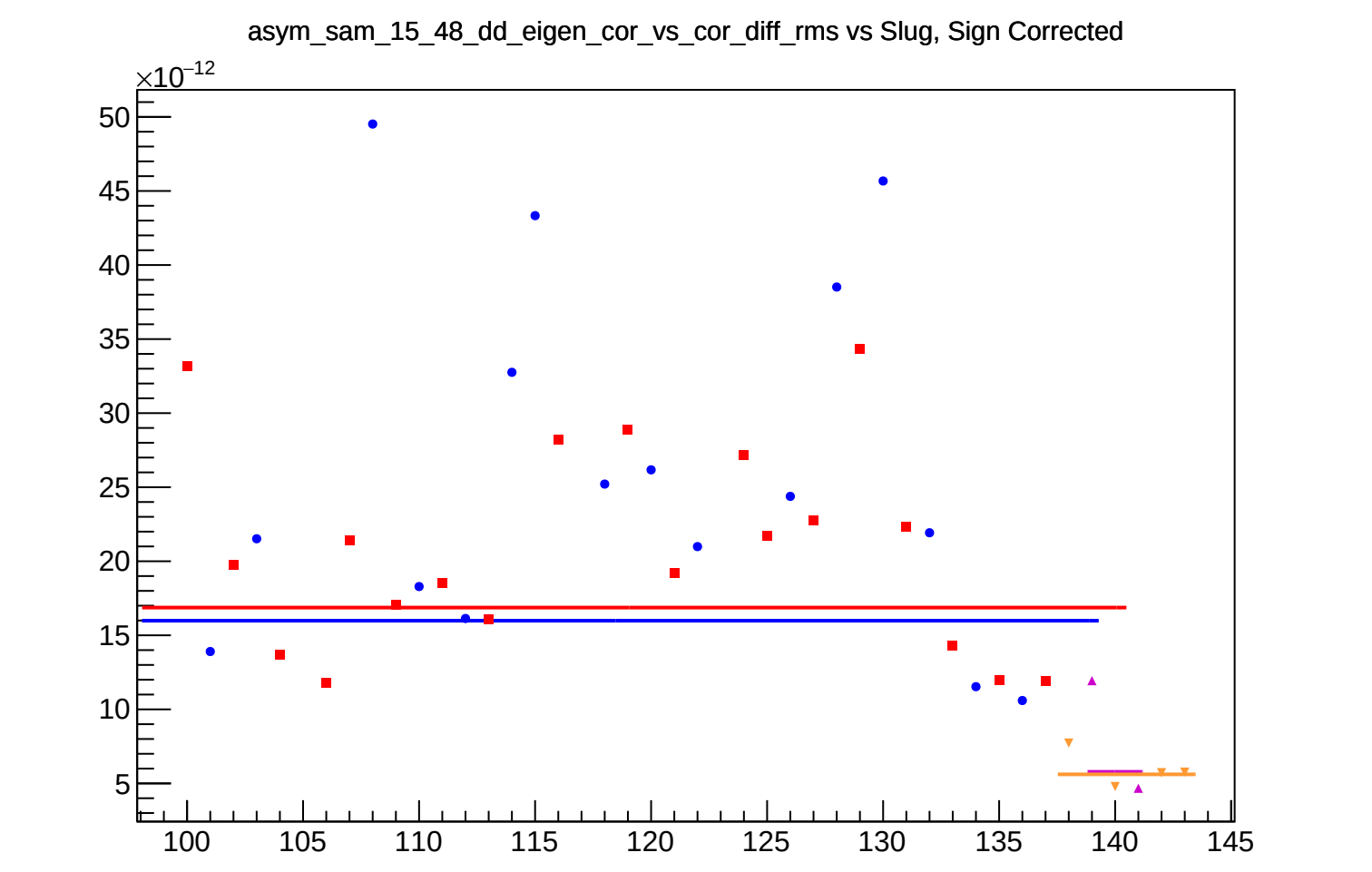
140
145
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/3
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:1.4/1
Left: -0.000+/-0.000 χ²/NDF: 7.2/5
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:33.1/17
Out: -0.000+/-0.000 χ²/NDF:29.5/22
All: -0.000+/-0.000 χ²/NDF: 63.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:103725.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:354073.9/1

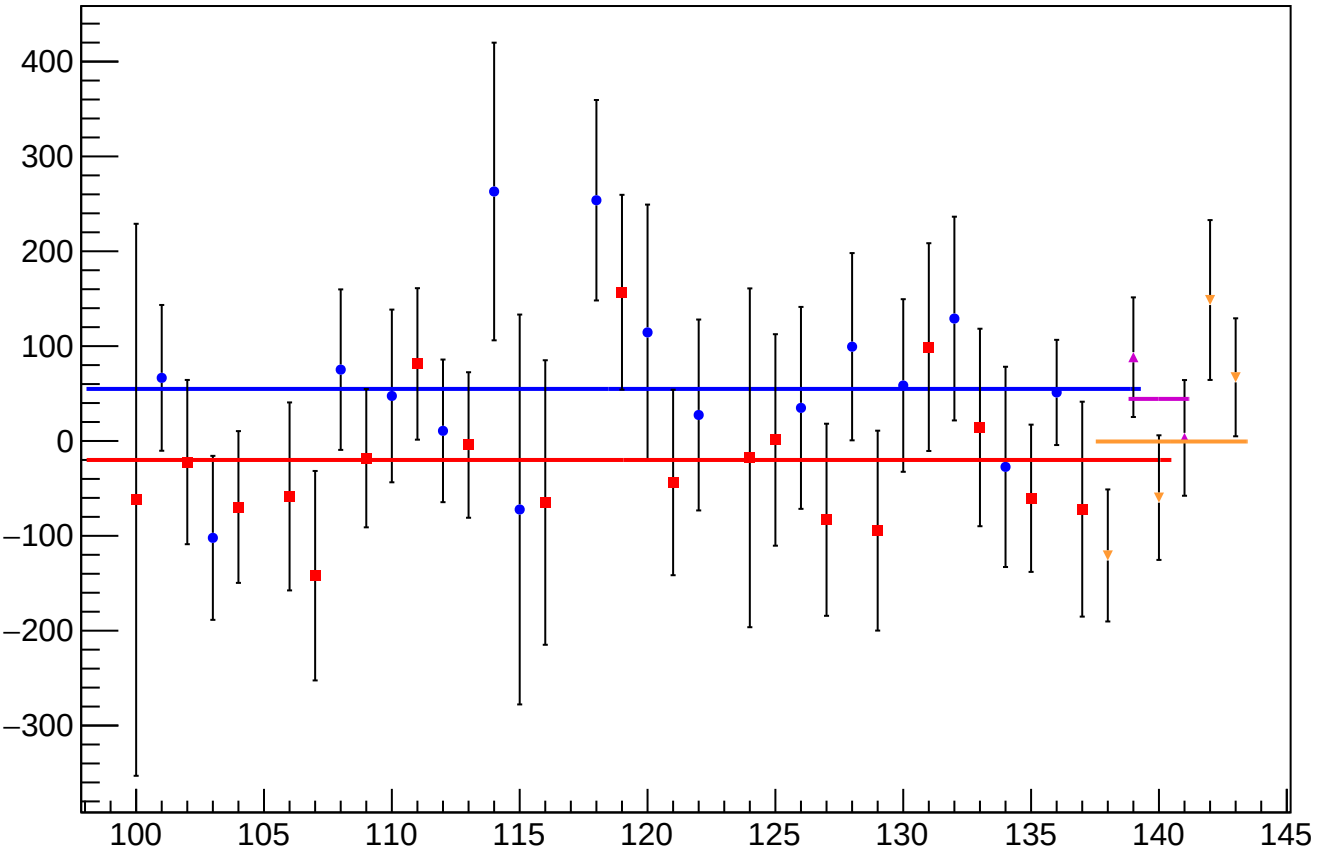
Left: 0.000+/-0.000 χ^2/NDF: 458821.6/5

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:4093805.0/22

All: 0.000+/-0.000 χ^2/NDF: 8457246.6/40


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
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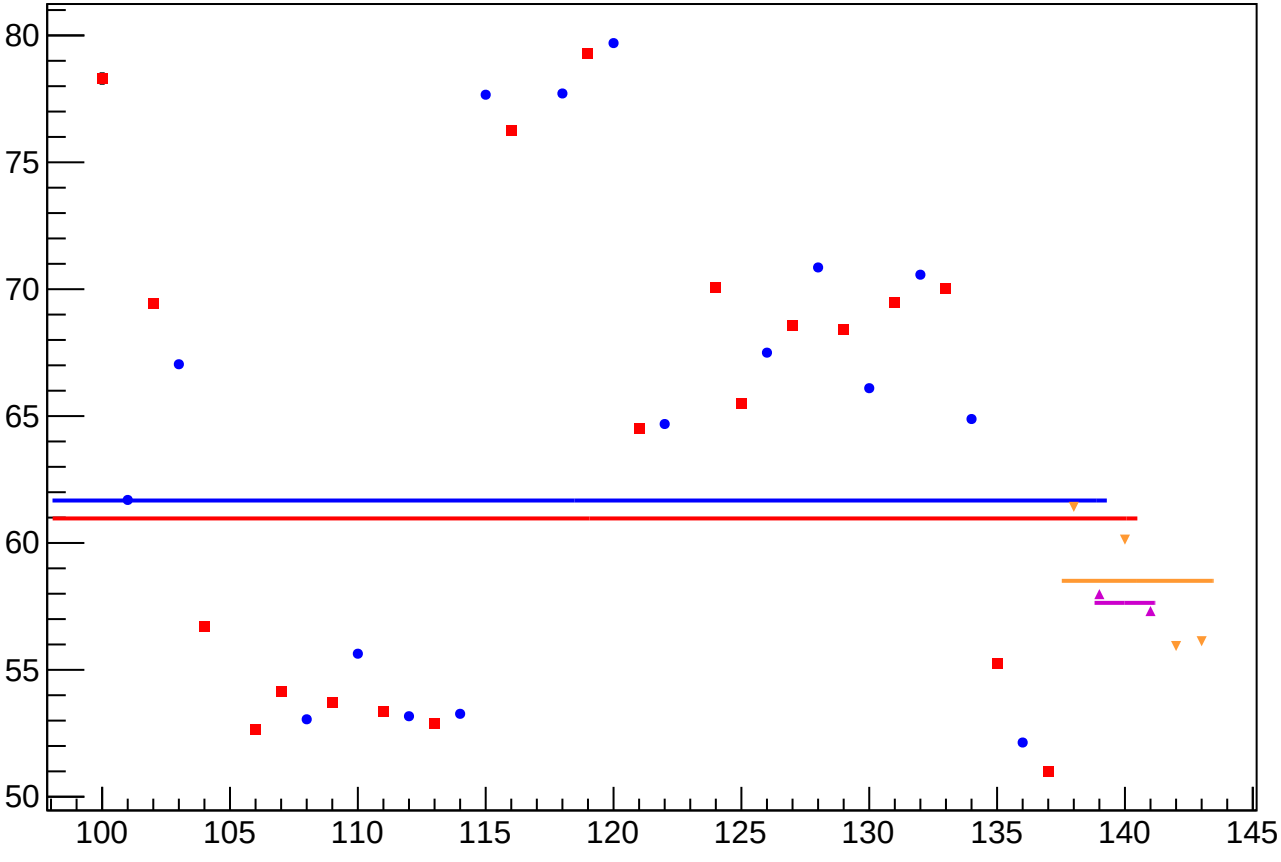
115
120
125
130
135
140
145
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: -0.551+/-34.554 χ²/NDF:8.1/3
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 44.365+/-43.841 χ²/NDF:0.9/1
Left: 16.660+/-27.138 χ²/NDF: 9.7/5
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 52.585+/-20.491 χ²/NDF:12.0/17
Out: -14.197+/-18.897 χ²/NDF:17.6/22
All: 16.495+/-13.892 χ²/NDF: 35.3/40

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

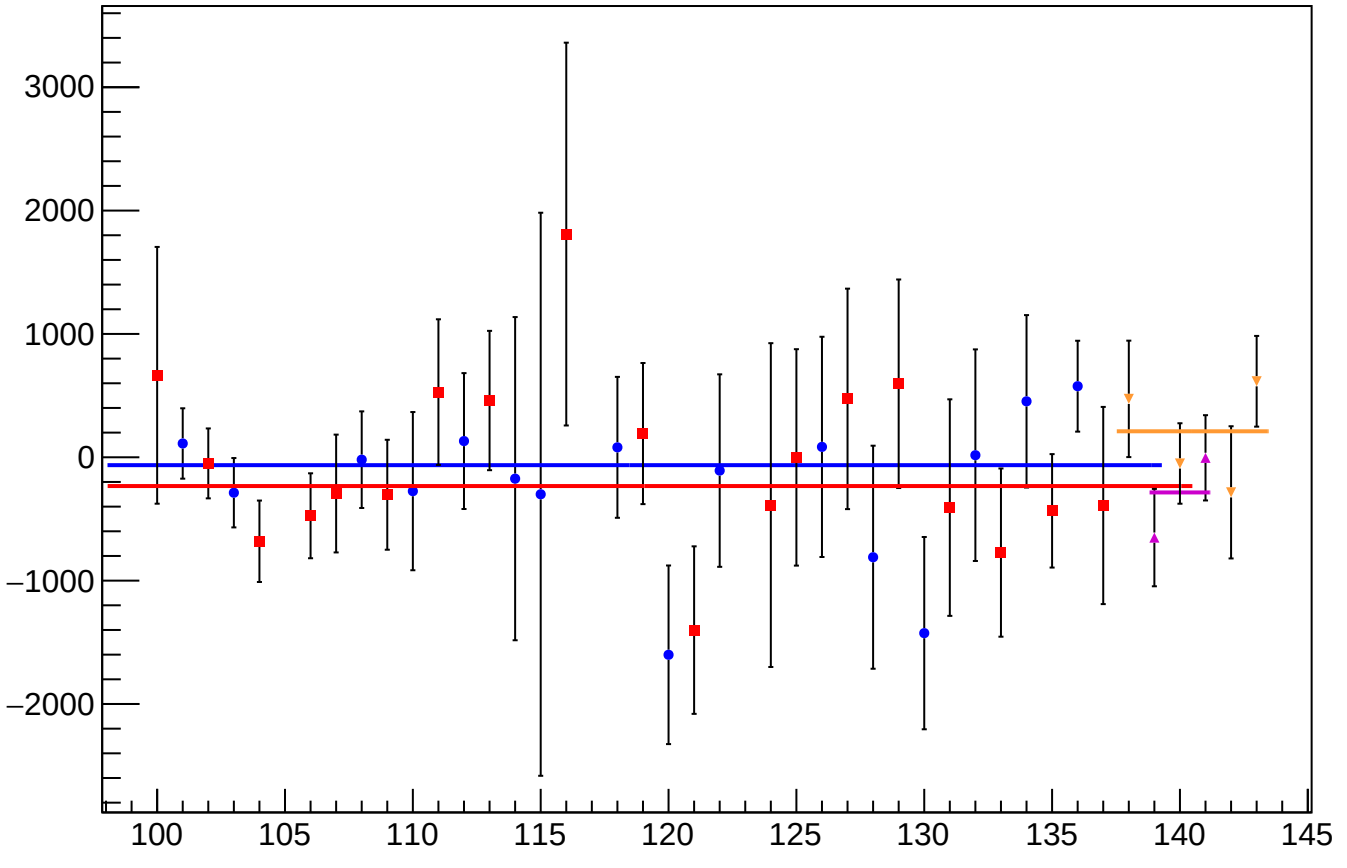
Left: 58.175+/-0.019 χ^2/NDF: 10114.9/5

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.792+/-0.014 χ^2/NDF:280453.1/17

Out: 60.231+/-0.013 χ^2/NDF:300793.1/22

All: 60.489+/-0.010 χ^2/NDF: 582054.8/40



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 210.733+/-200.939 χ^2/NDF:3.0/3

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: 25.382+/-159.003 χ^2/NDF: 6.8/5

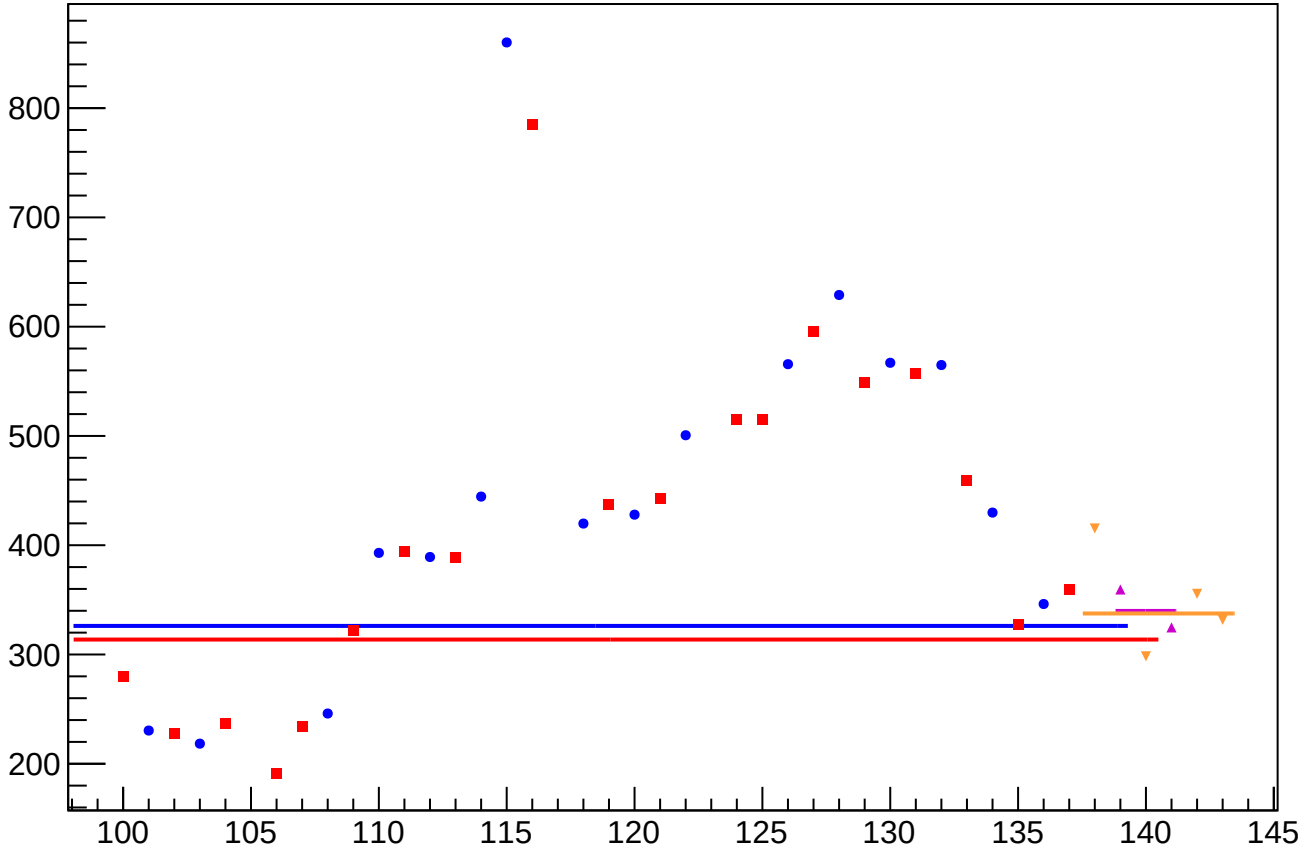
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -107.889+/-116.047 χ^2/NDF:15.3/17

Out: -112.502+/-104.777 χ^2/NDF:21.1/22

All: -110.430+/-77.768 χ^2/NDF: 36.4/40

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: 337.536+/-0.142 χ^2/NDF:86002.4/3

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 339.855+/-0.184 χ^2/NDF:8752.9/1

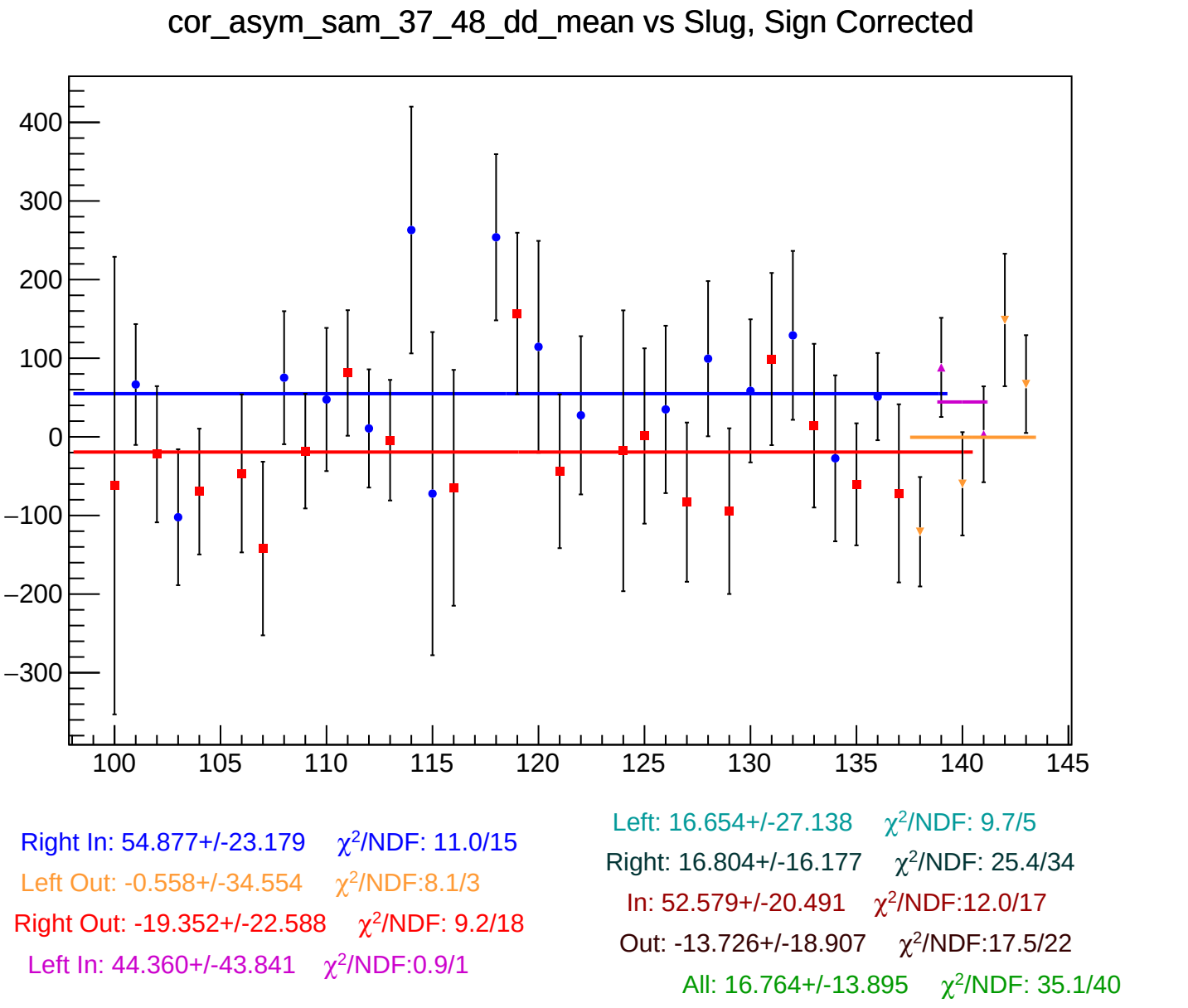
Left: 338.403+/-0.112 χ^2/NDF: 94854.8/5

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 328.877+/-0.082 χ^2/NDF:1747198.7/17

Out: 320.161+/-0.074 χ^2/NDF:1893889.0/22

All: 324.075+/-0.055 χ^2/NDF: 3647303.9/40


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
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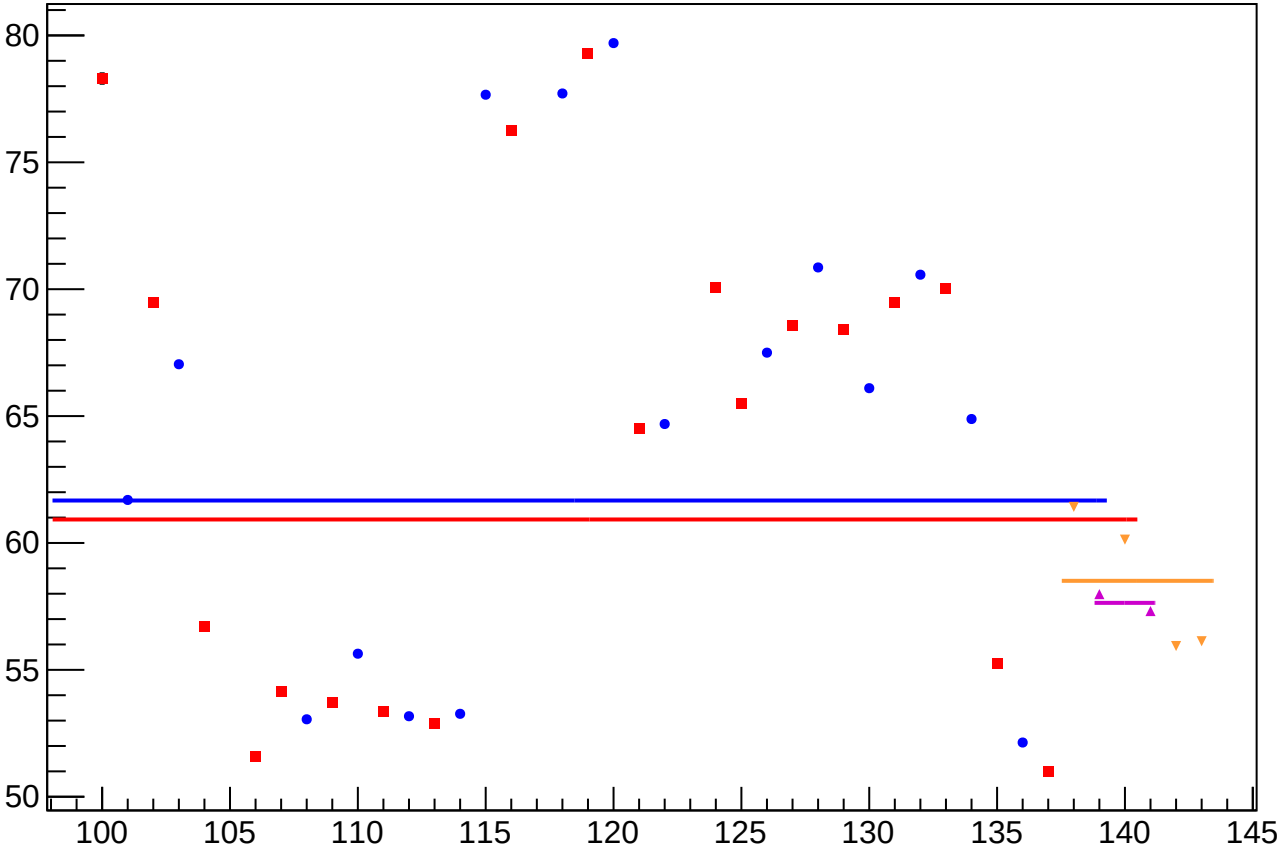
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -0.558+/-34.554 χ²/NDF:8.1/3
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 44.360+/-43.841 χ²/NDF:0.9/1
Left: 16.654+/-27.138 χ²/NDF: 9.7/5
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 52.579+/-20.491 χ²/NDF:12.0/17
Out: -13.726+/-18.907 χ²/NDF:17.5/22
All: 16.764+/-13.895 χ²/NDF: 35.1/40

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

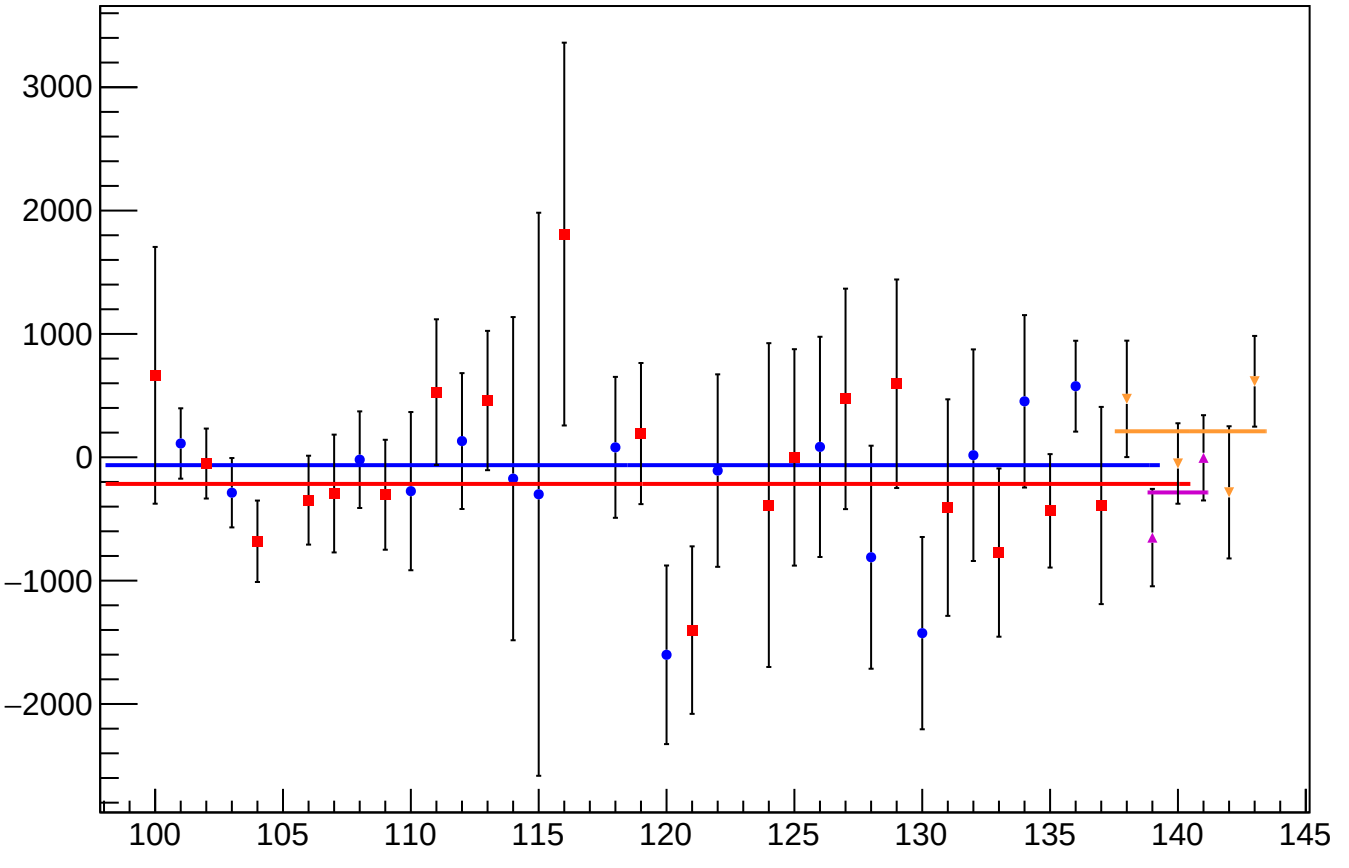
Left: 58.175+/-0.019 χ^2/NDF: 10114.9/5

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.792+/-0.014 χ^2/NDF:280453.3/17

Out: 60.202+/-0.013 χ^2/NDF:303952.8/22

All: 60.473+/-0.010 χ^2/NDF: 585301.2/40



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 210.726+/-200.939 χ^2/NDF:3.0/3

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -285.063+/-260.051 χ^2/NDF:1.5/1

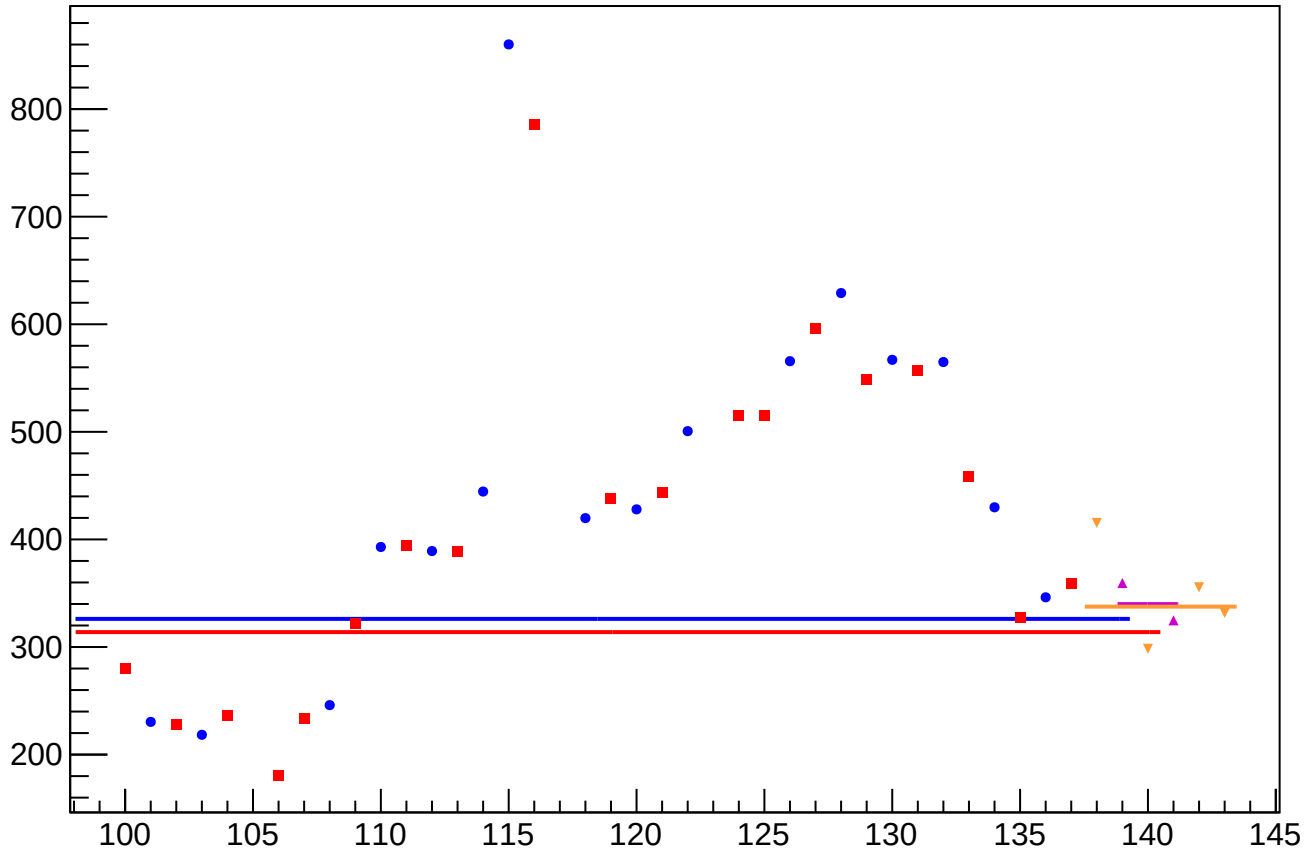
Left: 25.378+/-159.003 χ^2/NDF: 6.8/5

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -107.878+/-116.047 χ^2/NDF:15.3/17

Out: -98.948+/-105.211 χ^2/NDF:20.4/22

All: -102.977+/-77.945 χ^2/NDF: 35.7/40



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 337.536+/-0.142 χ^2/NDF:86002.3/3

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 339.855+/-0.184 χ^2/NDF:8752.5/1

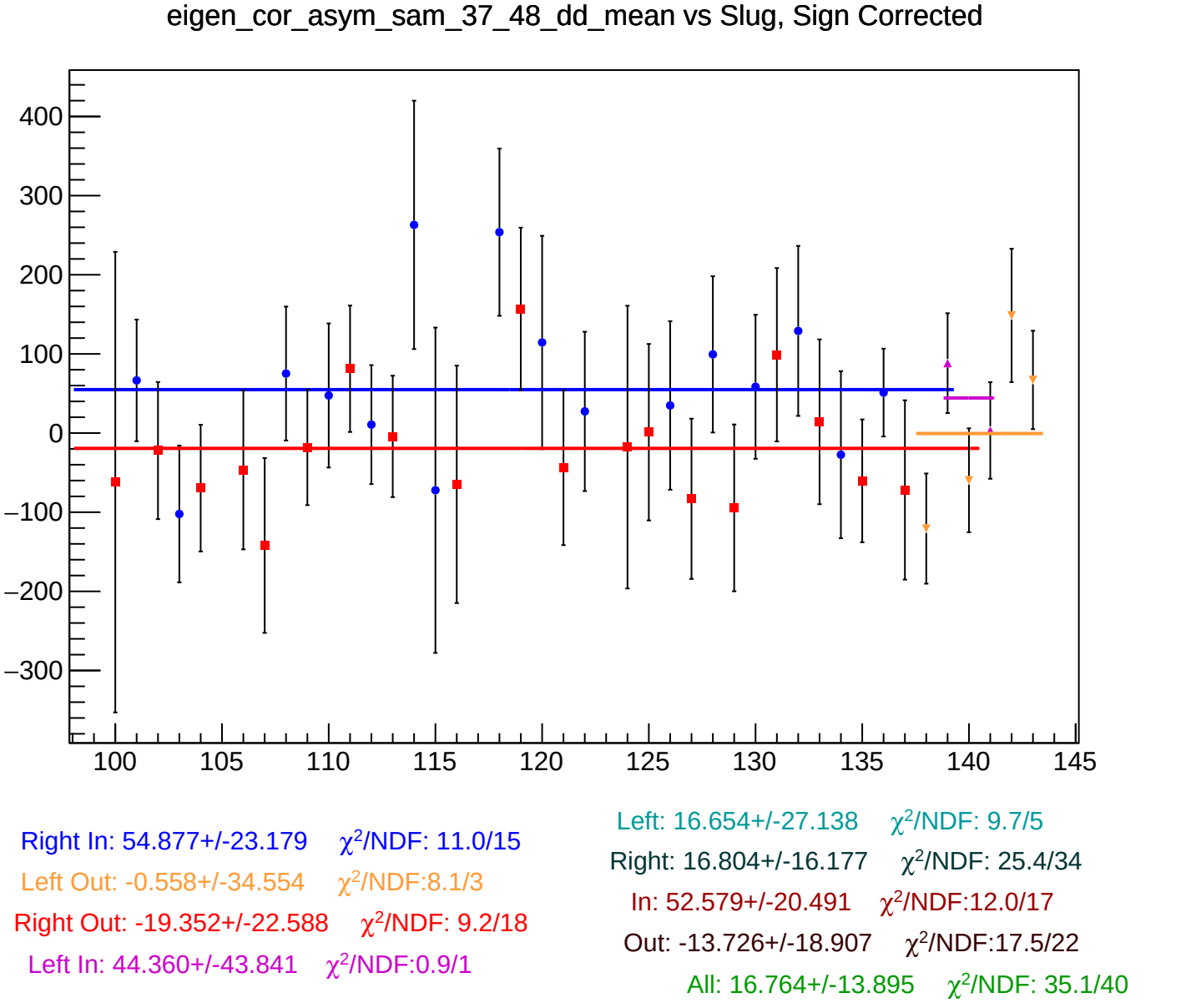
Left: 338.403+/-0.112 χ^2/NDF: 94854.4/5

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 328.879+/-0.082 χ^2/NDF:1747135.6/17

Out: 320.351+/-0.074 χ^2/NDF:1911934.8/22

All: 324.199+/-0.055 χ^2/NDF: 3664998.5/40


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
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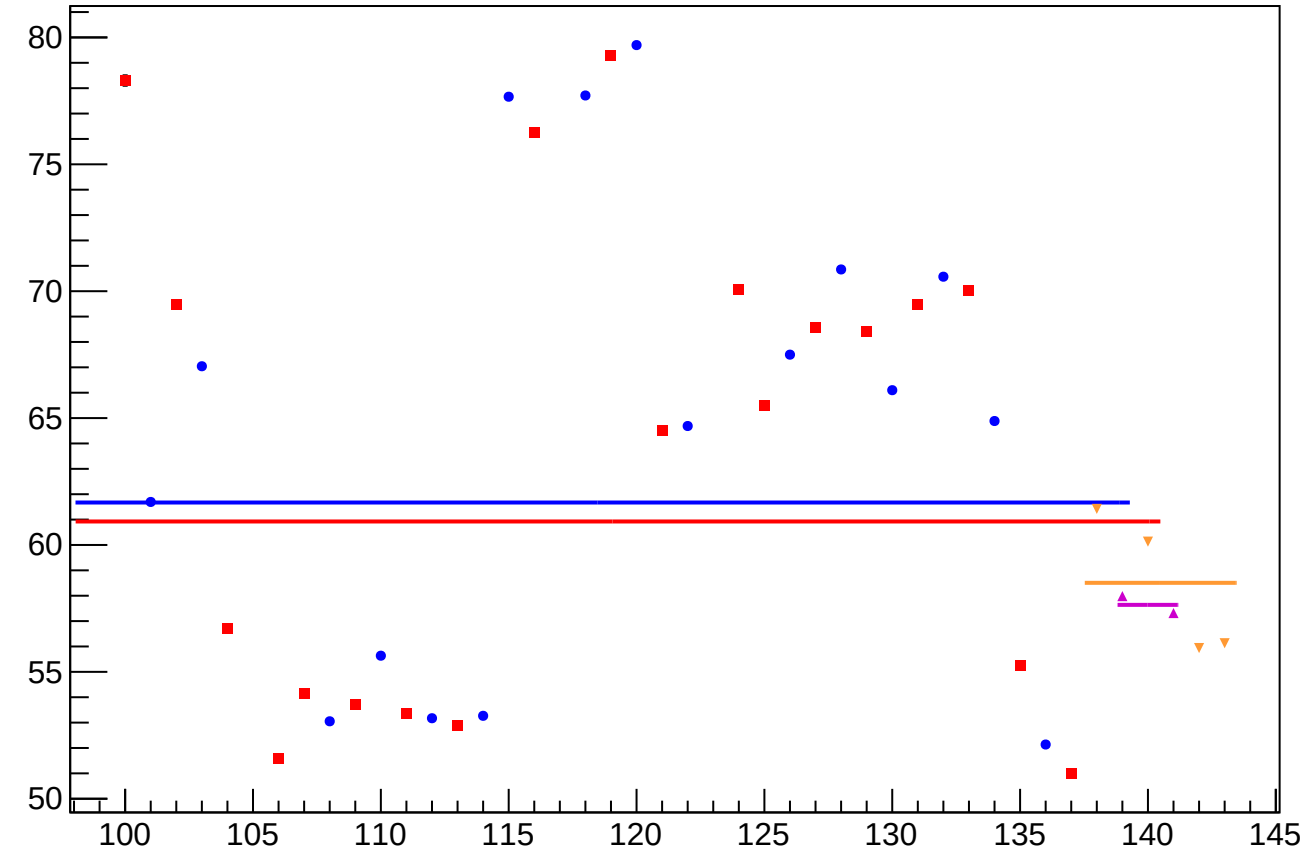
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -0.558+/-34.554 χ²/NDF:8.1/3
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 44.360+/-43.841 χ²/NDF:0.9/1
Left: 16.654+/-27.138 χ²/NDF: 9.7/5
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 52.579+/-20.491 χ²/NDF:12.0/17
Out: -13.726+/-18.907 χ²/NDF:17.5/22
All: 16.764+/-13.895 χ²/NDF: 35.1/40



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.508+/-0.024 χ^2/NDF:9514.9/3

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.640+/-0.031 χ^2/NDF:115.7/1

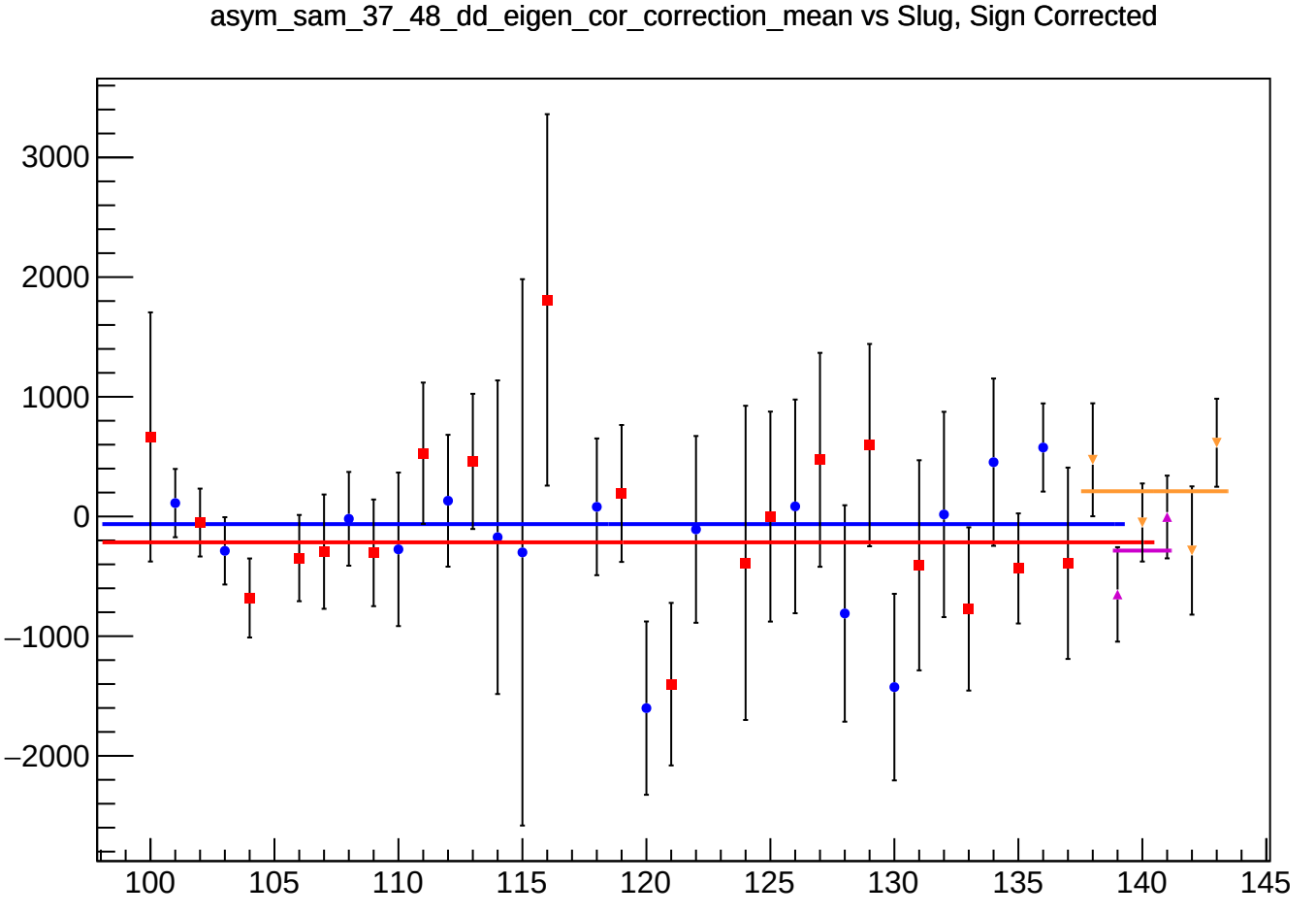
Left: 58.175+/-0.019 χ^2/NDF: 10114.9/5

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

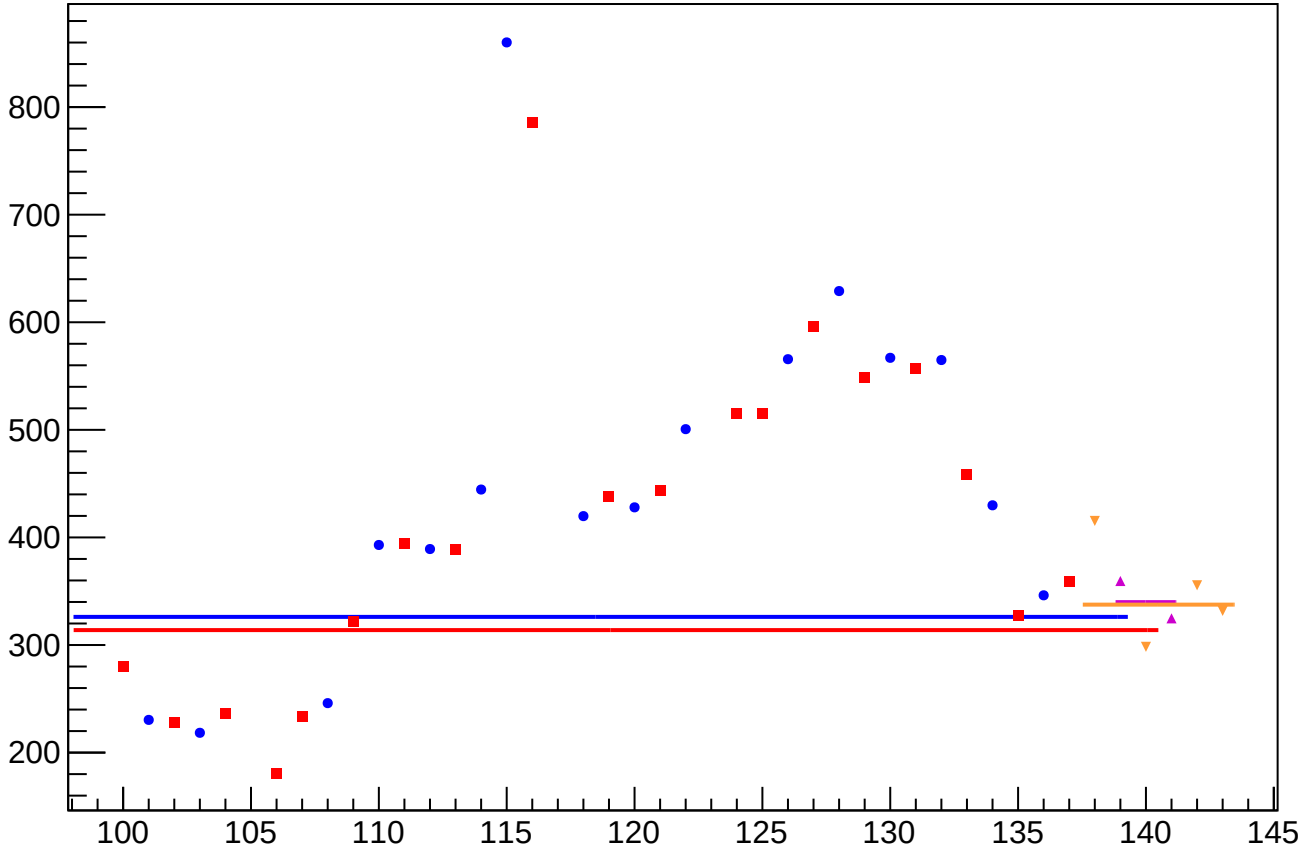
In: 60.792+/-0.014 χ^2/NDF:280453.3/17

Out: 60.202+/-0.013 χ^2/NDF:303952.8/22

All: 60.473+/-0.010 χ^2/NDF: 585301.2/40


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
105
110
115
120
125
130
135
140
145
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 210.726+/-200.939 χ²/NDF:3.0/3
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -285.063+/-260.051 χ²/NDF:1.5/1
Left: 25.378+/-159.003 χ²/NDF: 6.8/5
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -107.878+/-116.047 χ²/NDF:15.3/17
Out: -98.948+/-105.211 χ²/NDF:20.4/22
All: -102.977+/-77.945 χ²/NDF: 35.7/40

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: 337.536+/-0.142 χ^2/NDF:86002.3/3

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 339.855+/-0.184 χ^2/NDF:8752.5/1

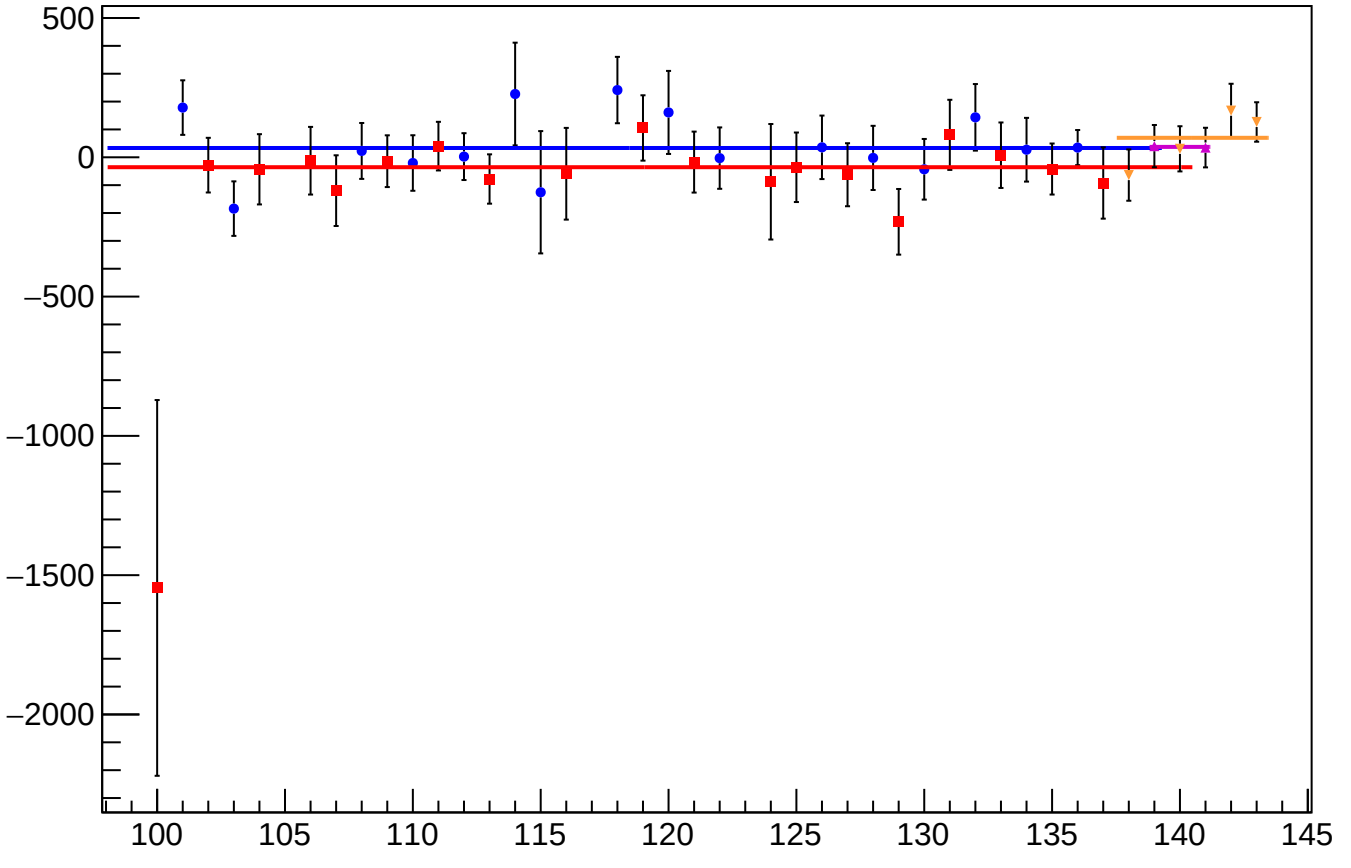
Left: 338.403+/-0.112 χ^2/NDF: 94854.4/5

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 328.879+/-0.082 χ^2/NDF:1747135.6/17

Out: 320.351+/-0.074 χ^2/NDF:1911934.8/22

All: 324.199+/-0.055 χ^2/NDF: 3664998.5/40



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 69.932+/-41.650 χ^2/NDF:4.0/3

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 37.332+/-51.869 χ^2/NDF:0.0/1

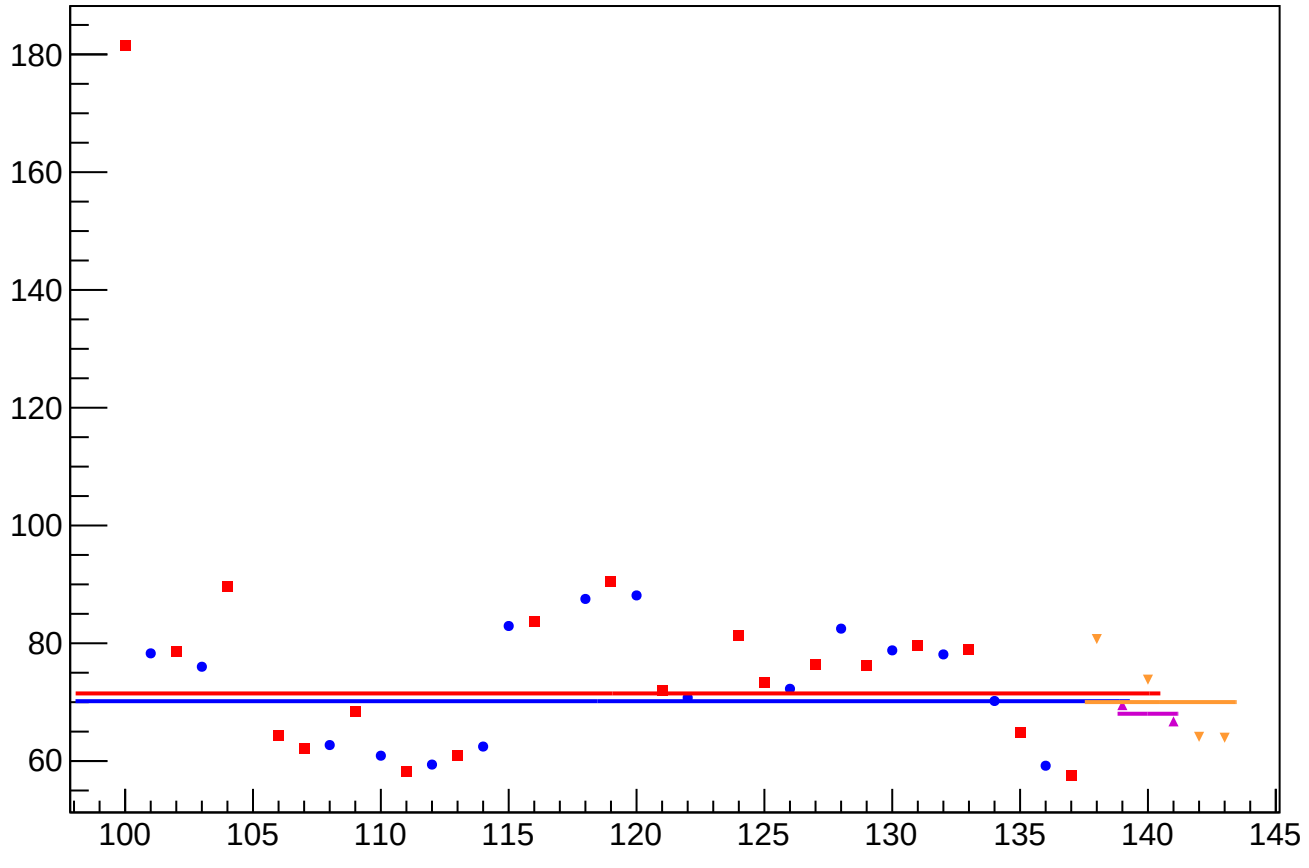
Left: 57.152+/-32.476 χ^2/NDF: 4.3/5

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 34.208+/-23.538 χ^2/NDF:14.5/17

Out: -5.114+/-22.380 χ^2/NDF:20.7/22

All: 13.556+/-16.219 χ^2/NDF: 36.7/40



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 70.015+/-0.029 χ^2/NDF:53456.2/3

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.034+/-0.037 χ^2/NDF:1412.5/1

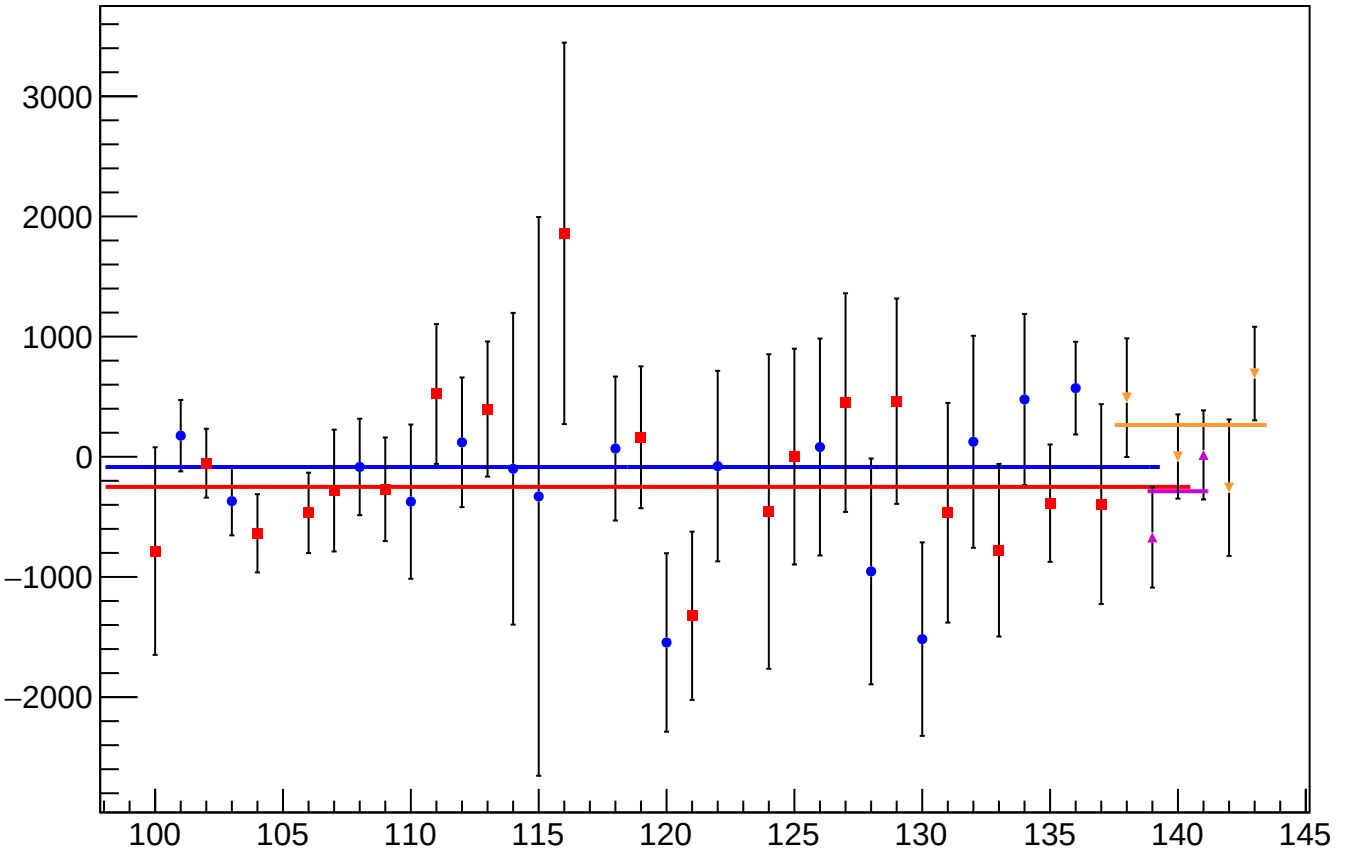
Left: 69.238+/-0.023 χ^2/NDF: 56642.6/5

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.728+/-0.017 χ^2/NDF:273349.1/17

Out: 71.059+/-0.016 χ^2/NDF:380938.5/22

All: 70.427+/-0.011 χ^2/NDF: 657647.7/40



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 264.753+/-213.477 χ^2/NDF:2.8/3

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: 59.562+/-169.158 χ^2/NDF: 6.8/5

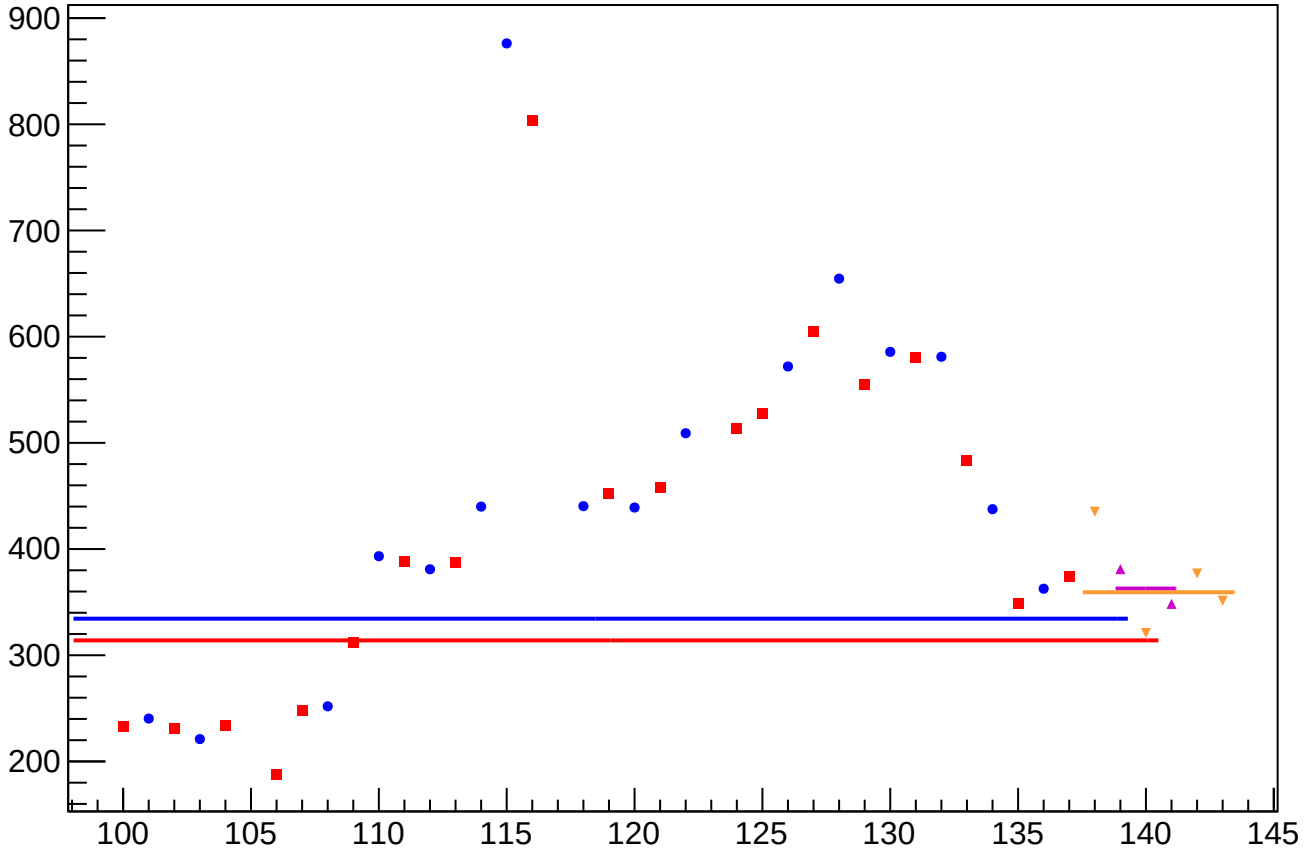
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -122.808+/-119.830 χ^2/NDF:15.6/17

Out: -121.563+/-106.771 χ^2/NDF:19.7/22

All: -122.114+/-79.717 χ^2/NDF: 35.3/40

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: 359.304+/-0.151 χ^2/NDF:73966.9/3

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 362.796+/-0.196 χ^2/NDF:6850.0/1

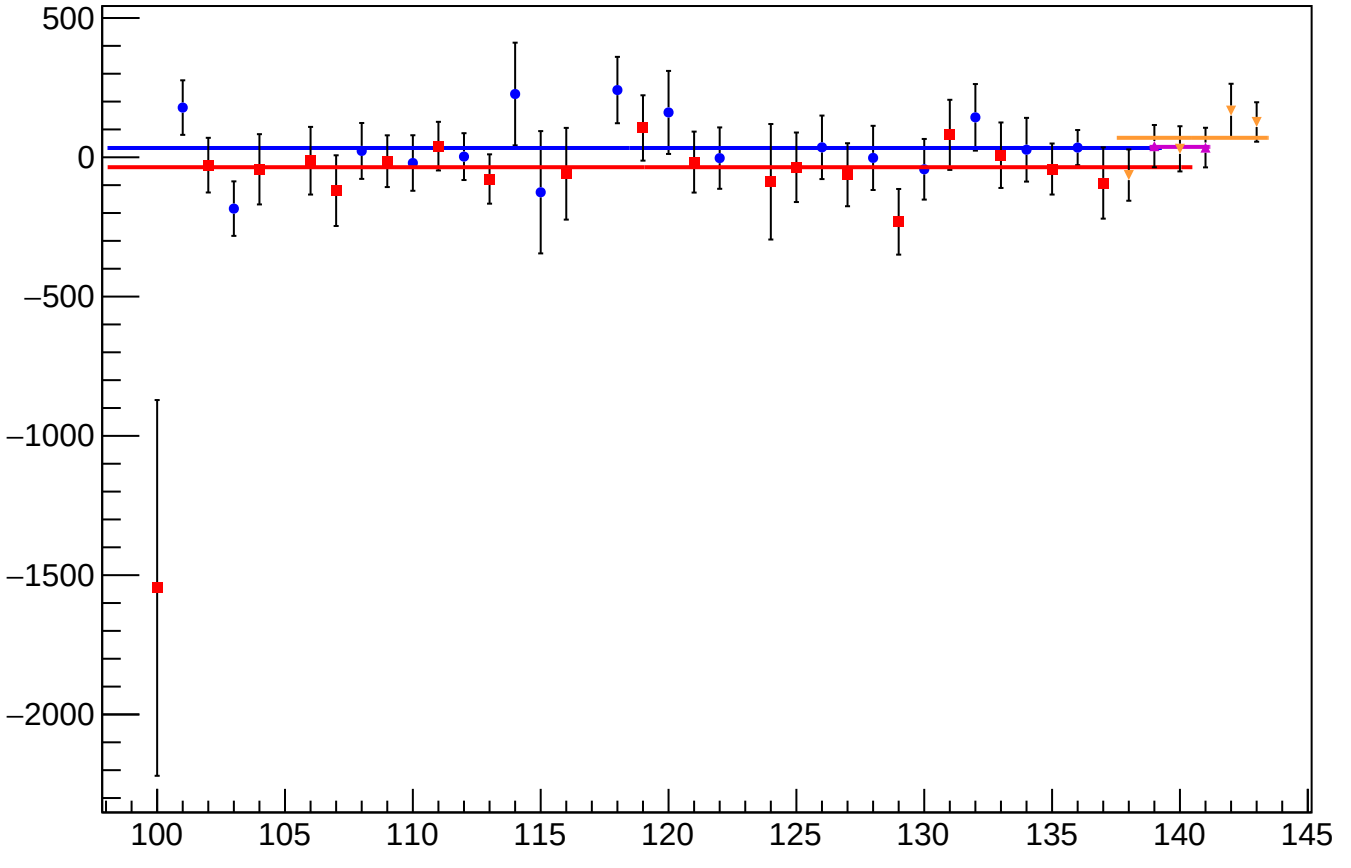
Left: 360.603+/-0.120 χ^2/NDF: 81016.1/5

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 339.728+/-0.085 χ^2/NDF:1754478.9/17

Out: 325.311+/-0.075 χ^2/NDF:2046200.7/22

All: 331.691+/-0.056 χ^2/NDF: 3816815.9/40



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 69.931+/-41.650 χ^2/NDF:4.0/3

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 37.334+/-51.869 χ^2/NDF:0.0/1

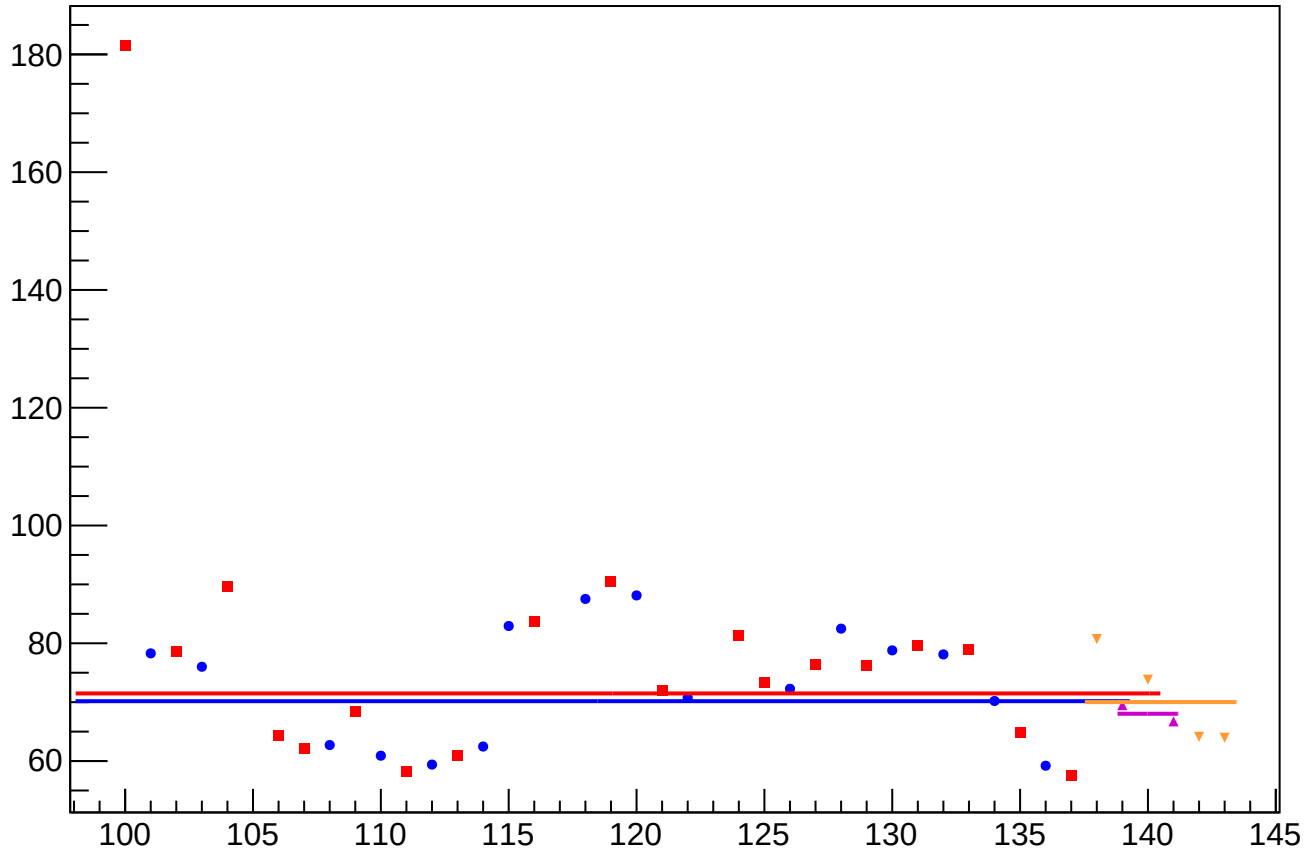
Left: 57.152+/-32.476 χ^2/NDF: 4.3/5

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 34.208+/-23.538 χ^2/NDF:14.5/17

Out: -5.115+/-22.380 χ^2/NDF:20.7/22

All: 13.555+/-16.219 χ^2/NDF: 36.7/40



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 70.015+/-0.029 χ^2/NDF:53453.1/3

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.034+/-0.037 χ^2/NDF:1412.4/1

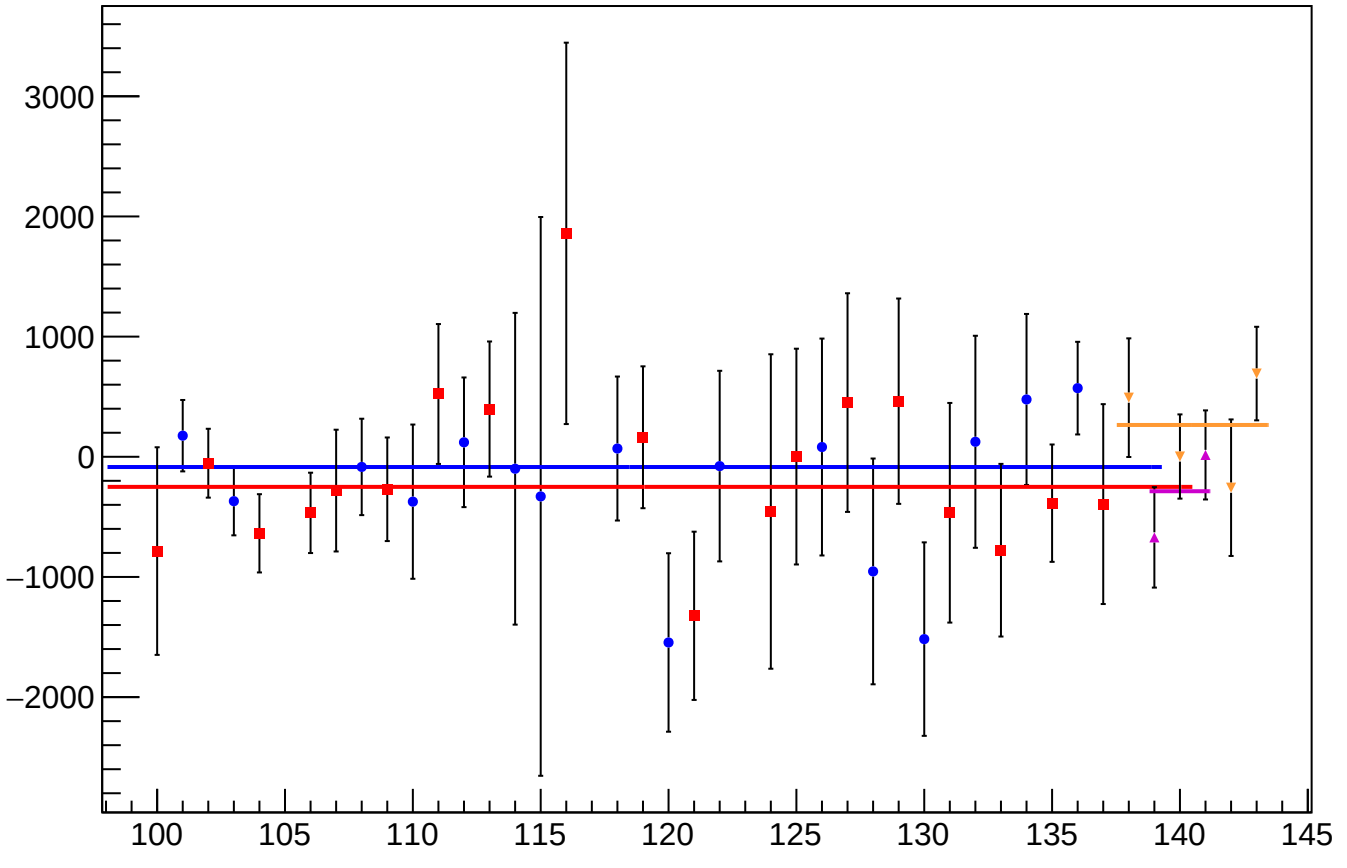
Left: 69.238+/-0.023 χ^2/NDF: 56640.0/5

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.728+/-0.017 χ^2/NDF:273353.2/17

Out: 71.059+/-0.016 χ^2/NDF:380942.2/22

All: 70.427+/-0.011 χ^2/NDF: 657655.6/40



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 264.753+/-213.477 χ^2/NDF:2.8/3

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: 59.562+/-169.158 χ^2/NDF: 6.8/5

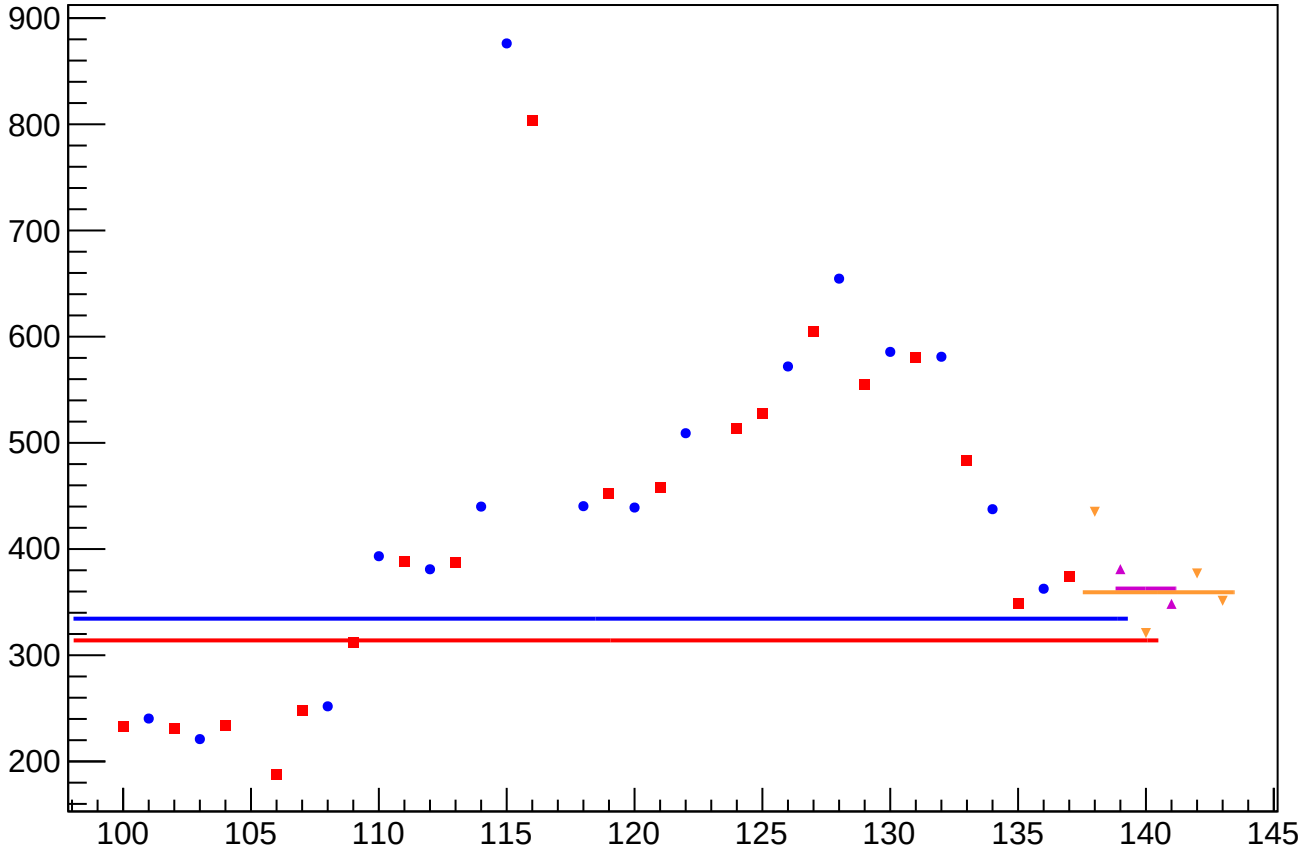
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -122.809+/-119.830 χ^2/NDF:15.6/17

Out: -121.563+/-106.771 χ^2/NDF:19.7/22

All: -122.114+/-79.717 χ^2/NDF: 35.3/40

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: 359.304+/-0.151 χ^2/NDF:73966.6/3

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 362.796+/-0.196 χ^2/NDF:6850.2/1

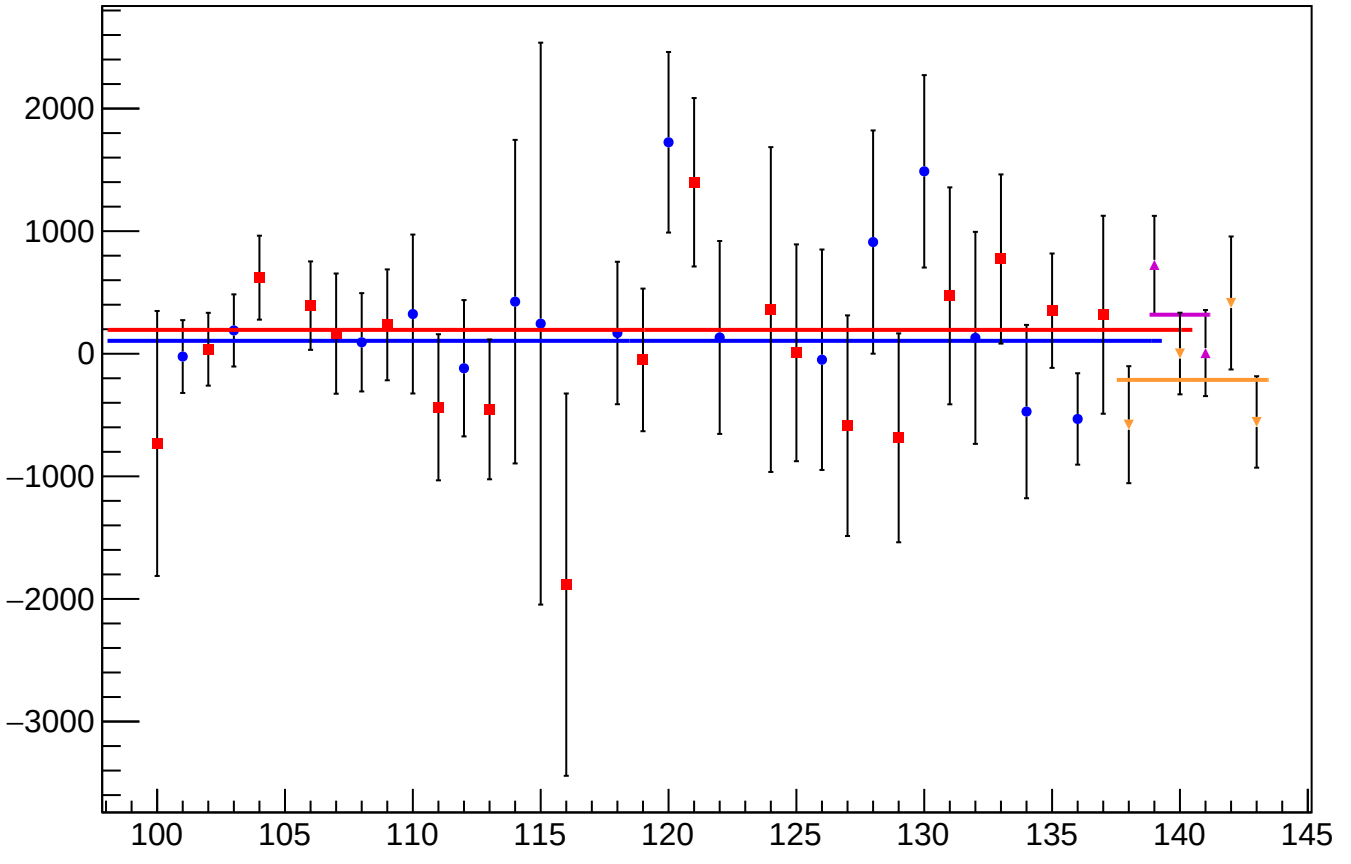
Left: 360.603+/-0.120 χ^2/NDF: 81015.9/5

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 339.728+/-0.085 χ^2/NDF:1754477.4/17

Out: 325.311+/-0.075 χ^2/NDF:2046198.0/22

All: 331.691+/-0.056 χ^2/NDF: 3816812.1/40



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -213.170+/-204.135 χ^2/NDF:3.2/3

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: -14.139+/-161.461 χ^2/NDF: 7.6/5

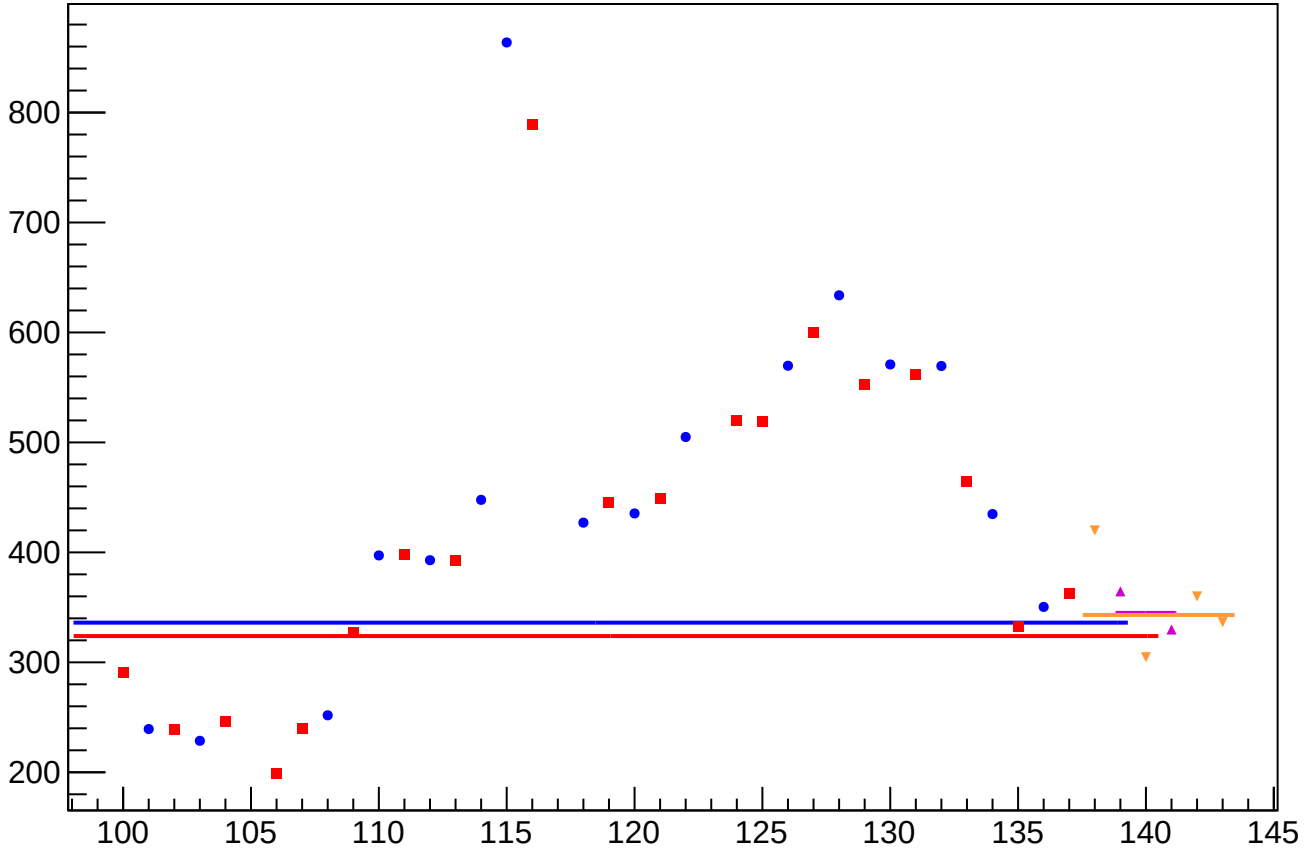
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 148.572+/-118.800 χ^2/NDF:15.3/17

Out: 81.930+/-107.342 χ^2/NDF:19.2/22

All: 111.883+/-79.646 χ^2/NDF: 34.7/40

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 343.089+/-0.144 χ^2/NDF:81194.3/3

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 344.960+/-0.187 χ^2/NDF:8493.8/1

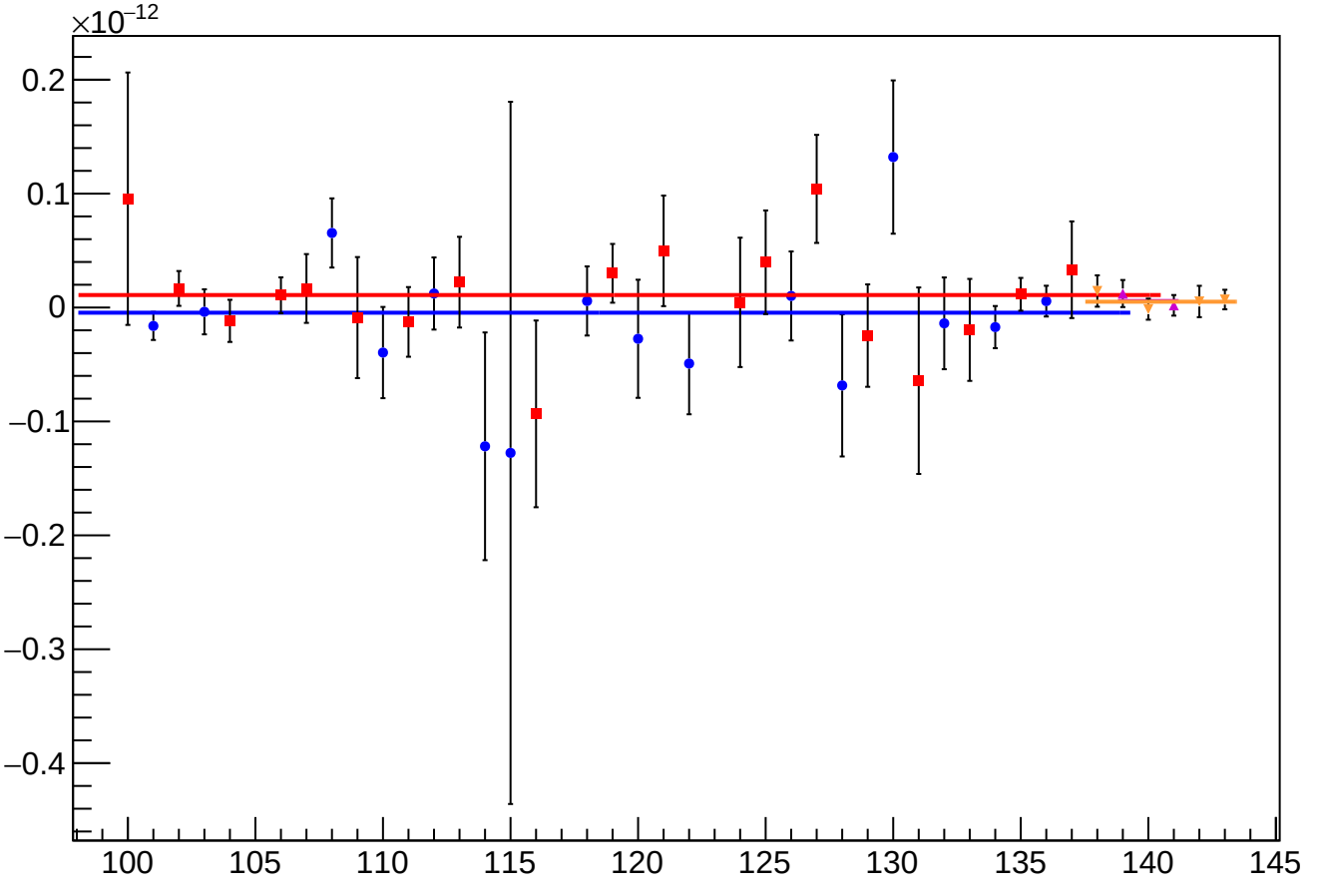
Left: 343.789+/-0.114 χ^2/NDF: 89751.0/5

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 337.889+/-0.084 χ^2/NDF:1629292.0/17

Out: 329.195+/-0.076 χ^2/NDF:1759420.1/22

All: 333.103+/-0.056 χ^2/NDF: 3394609.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

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: 1.5/5

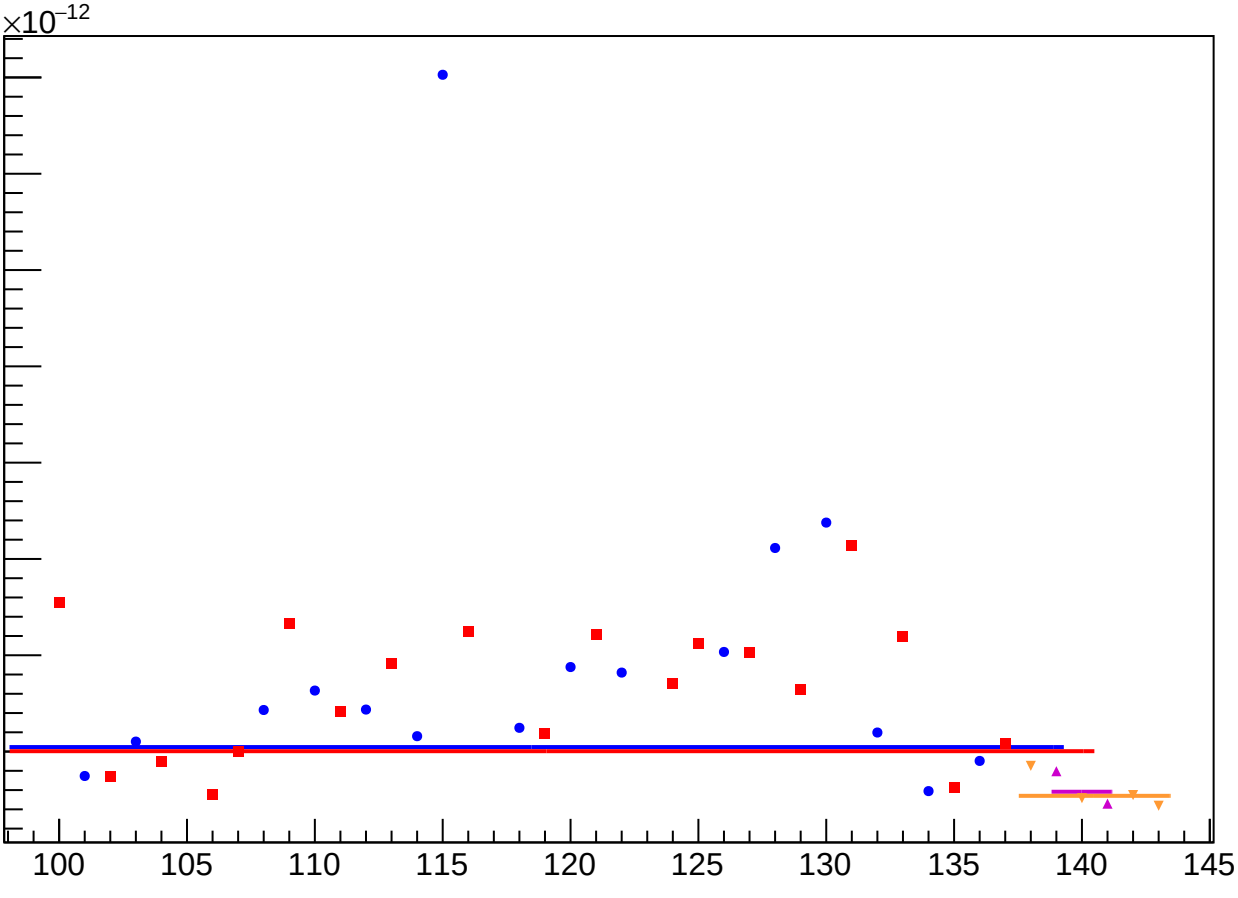
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:18.1/17

Out: 0.000+/-0.000 χ^2/NDF:13.9/22

All: 0.000+/-0.000 χ^2/NDF: 33.4/40

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:132235.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:101646.5/1

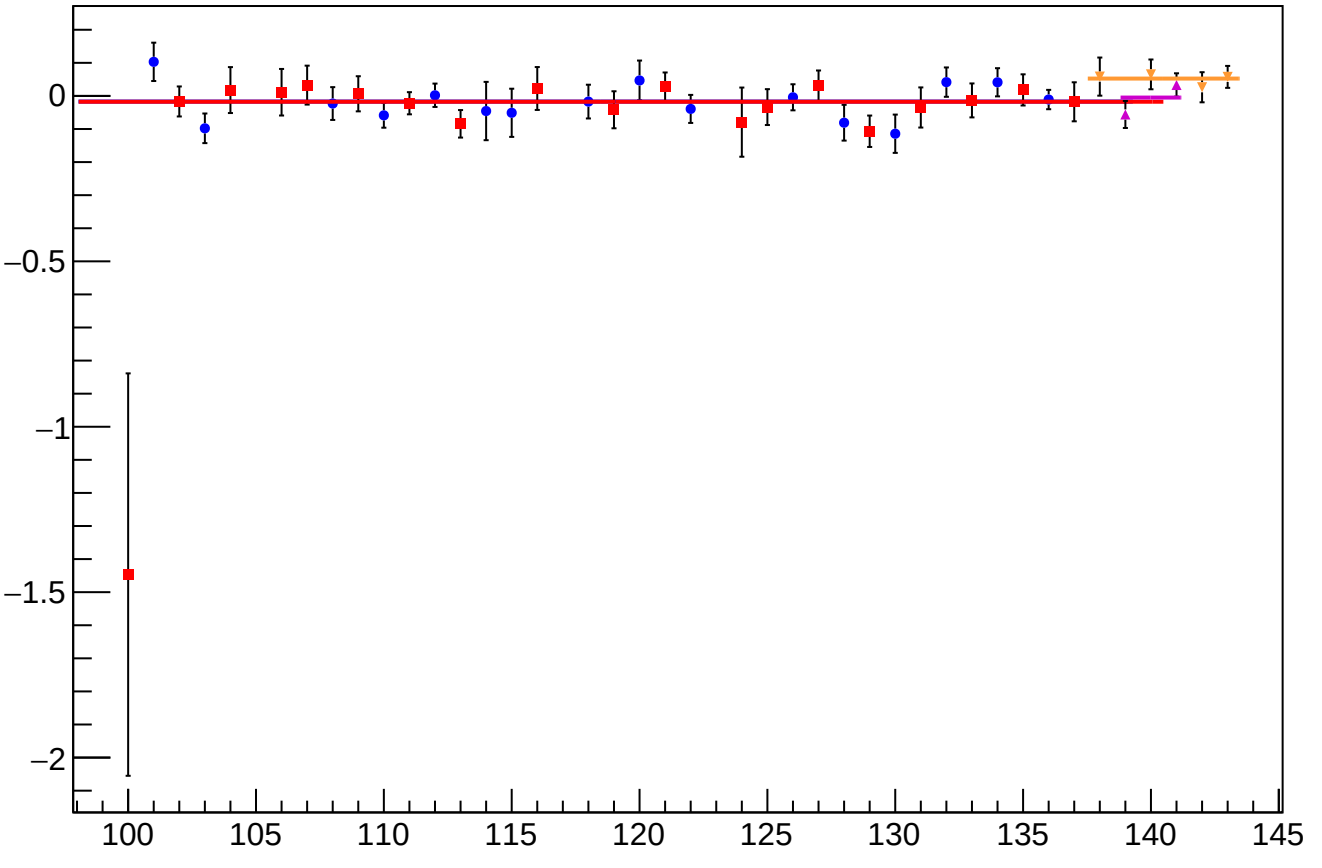
Left: 0.000+/-0.000 χ^2/NDF: 238357.4/5

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:2170103.9/22

All: 0.000+/-0.000 χ^2/NDF: 3980544.2/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.005+/-0.027 χ^2/NDF:2.7/1

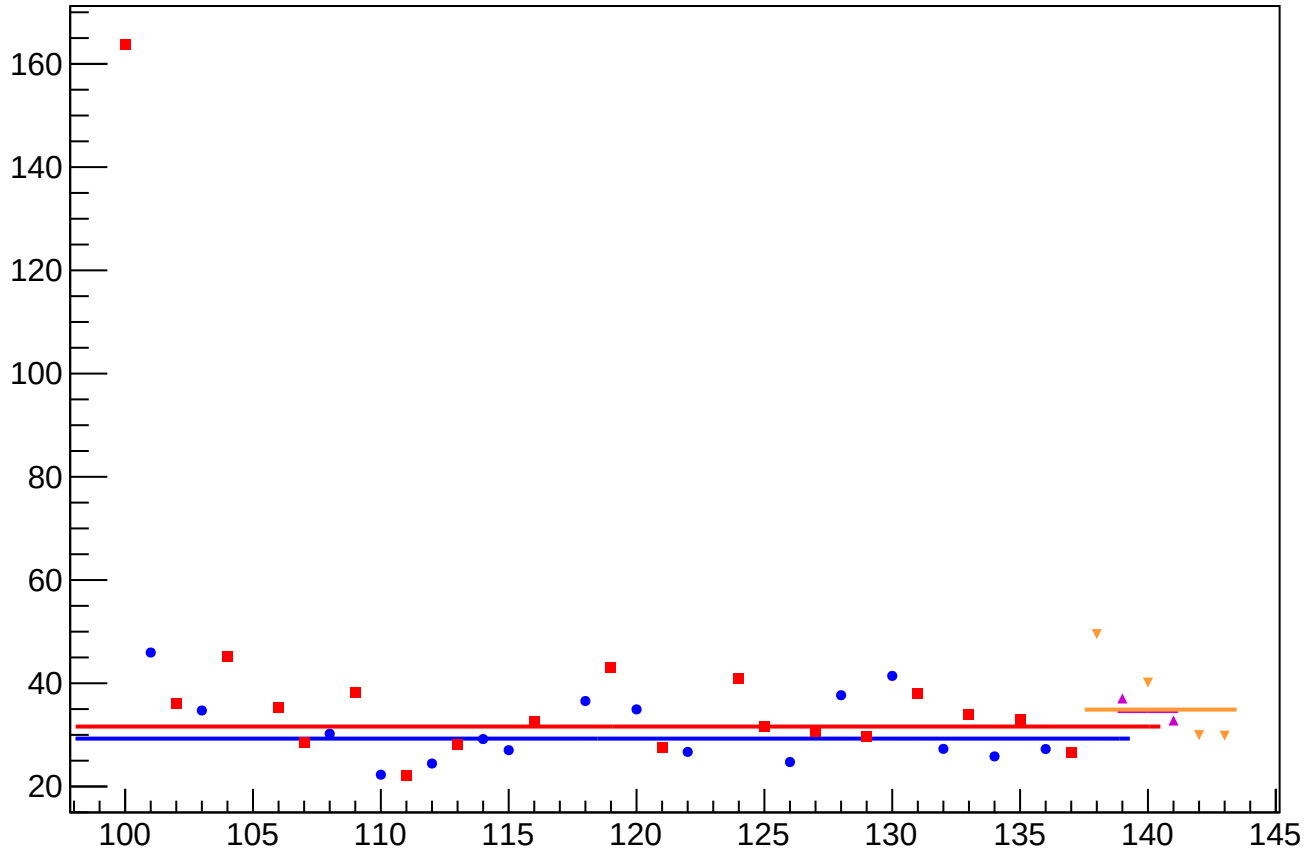
Left: 0.030+/-0.017 χ^2/NDF: 6.0/5

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.008+/-0.007 χ^2/NDF: 48.1/40



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 34.900+/-0.015 χ^2/NDF:225903.4/3

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 34.616+/-0.019 χ^2/NDF:12514.6/1

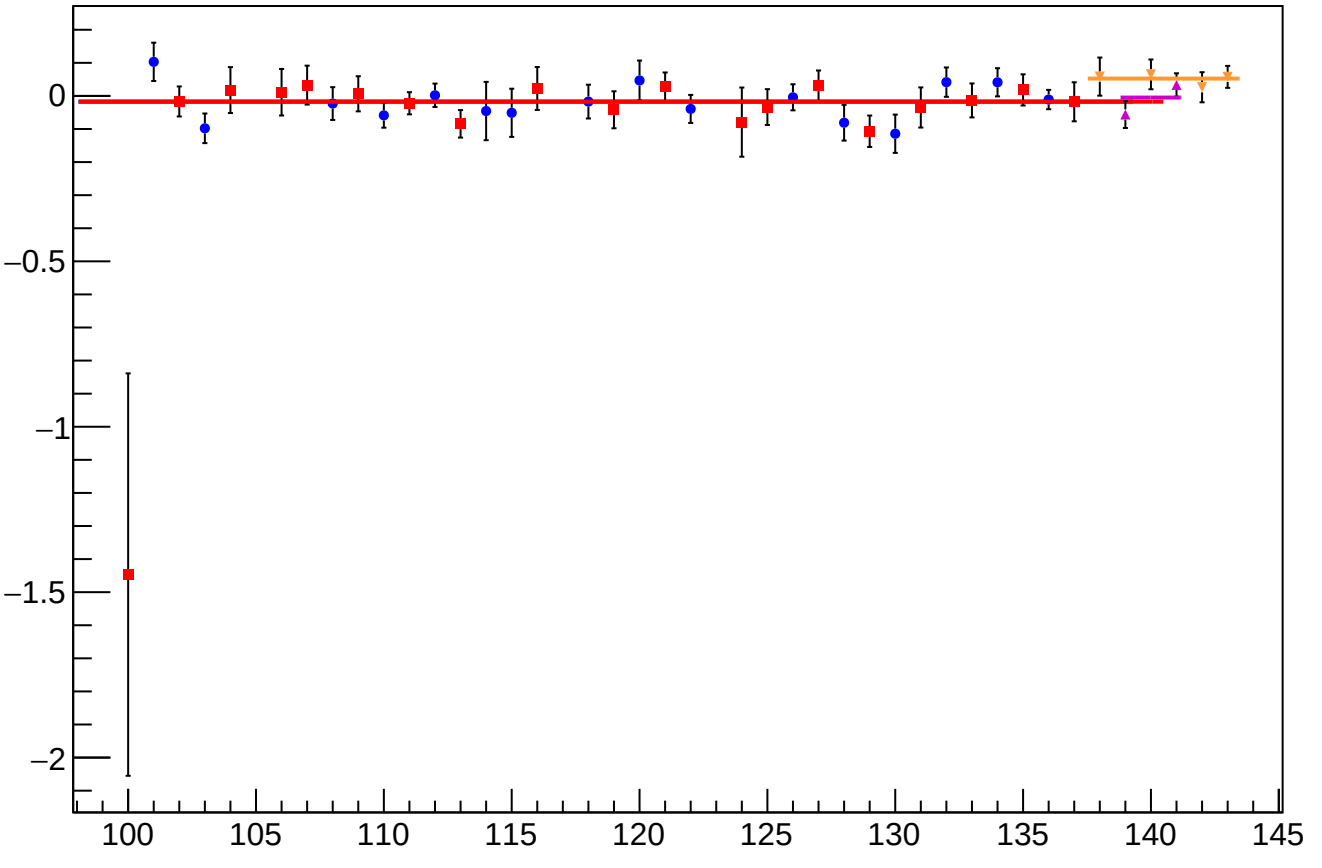
Left: 34.789+/-0.012 χ^2/NDF: 238556.2/5

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 30.095+/-0.007 χ^2/NDF:640858.1/17

Out: 32.410+/-0.007 χ^2/NDF:833882.2/22

All: 31.243+/-0.005 χ^2/NDF: 1523510.2/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

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: 0.030+/-0.017 χ^2/NDF: 6.0/5

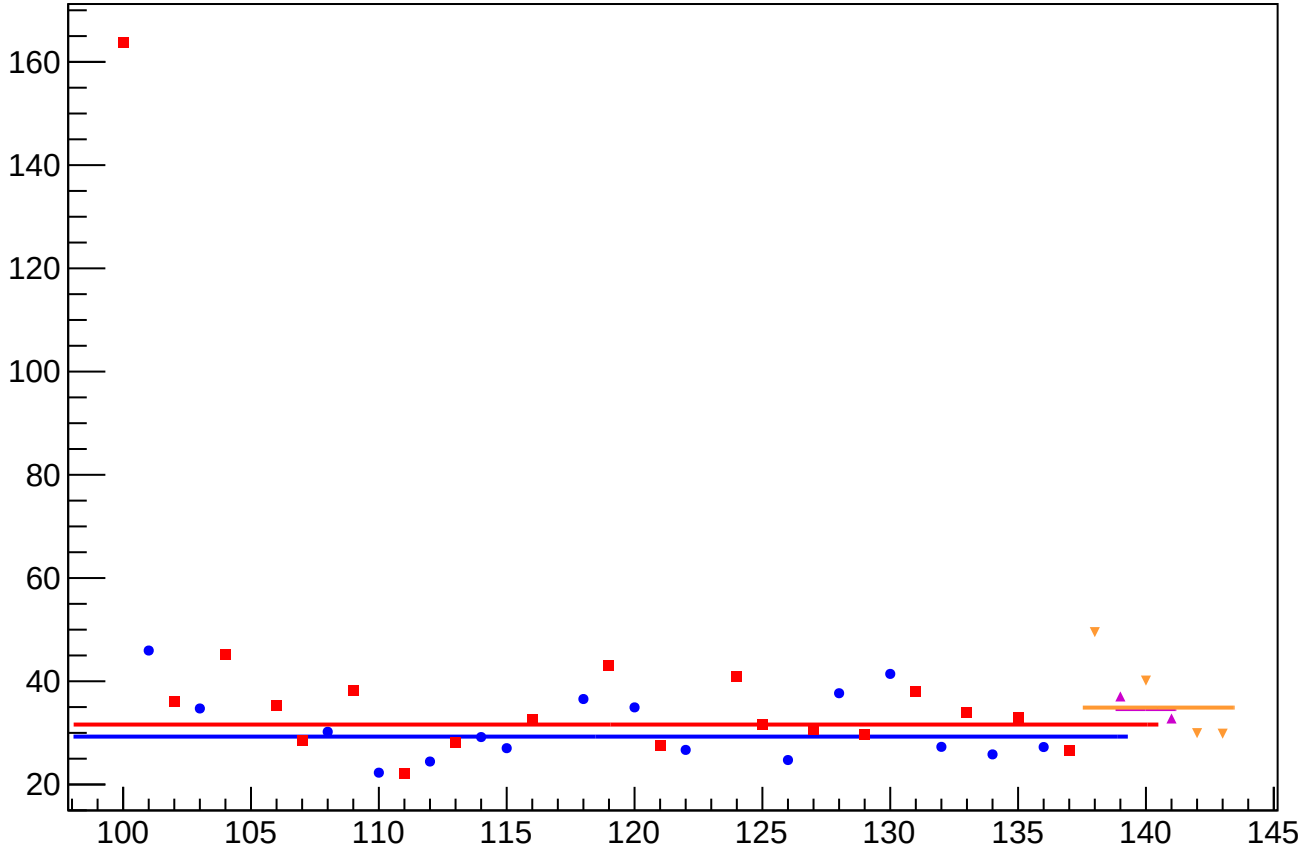
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.008+/-0.007 χ^2/NDF: 48.1/40

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: 34.900+/-0.015 χ^2/NDF:225903.4/3

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 34.616+/-0.019 χ^2/NDF:12514.6/1

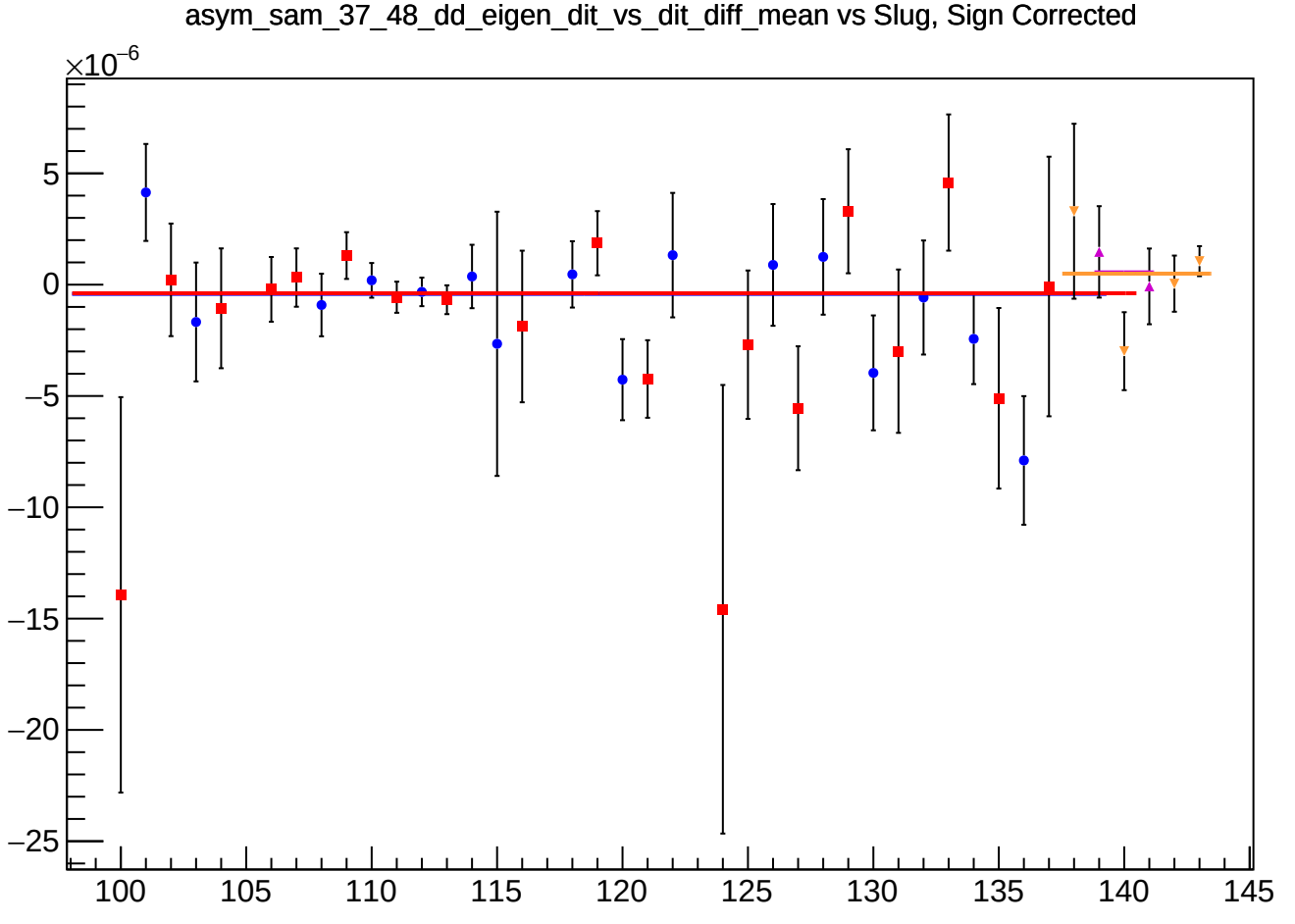
Left: 34.789+/-0.012 χ^2/NDF: 238556.2/5

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 30.095+/-0.007 χ^2/NDF:640858.1/17

Out: 32.410+/-0.007 χ^2/NDF:833882.2/22

All: 31.243+/-0.005 χ^2/NDF: 1523510.2/40



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/3

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/1

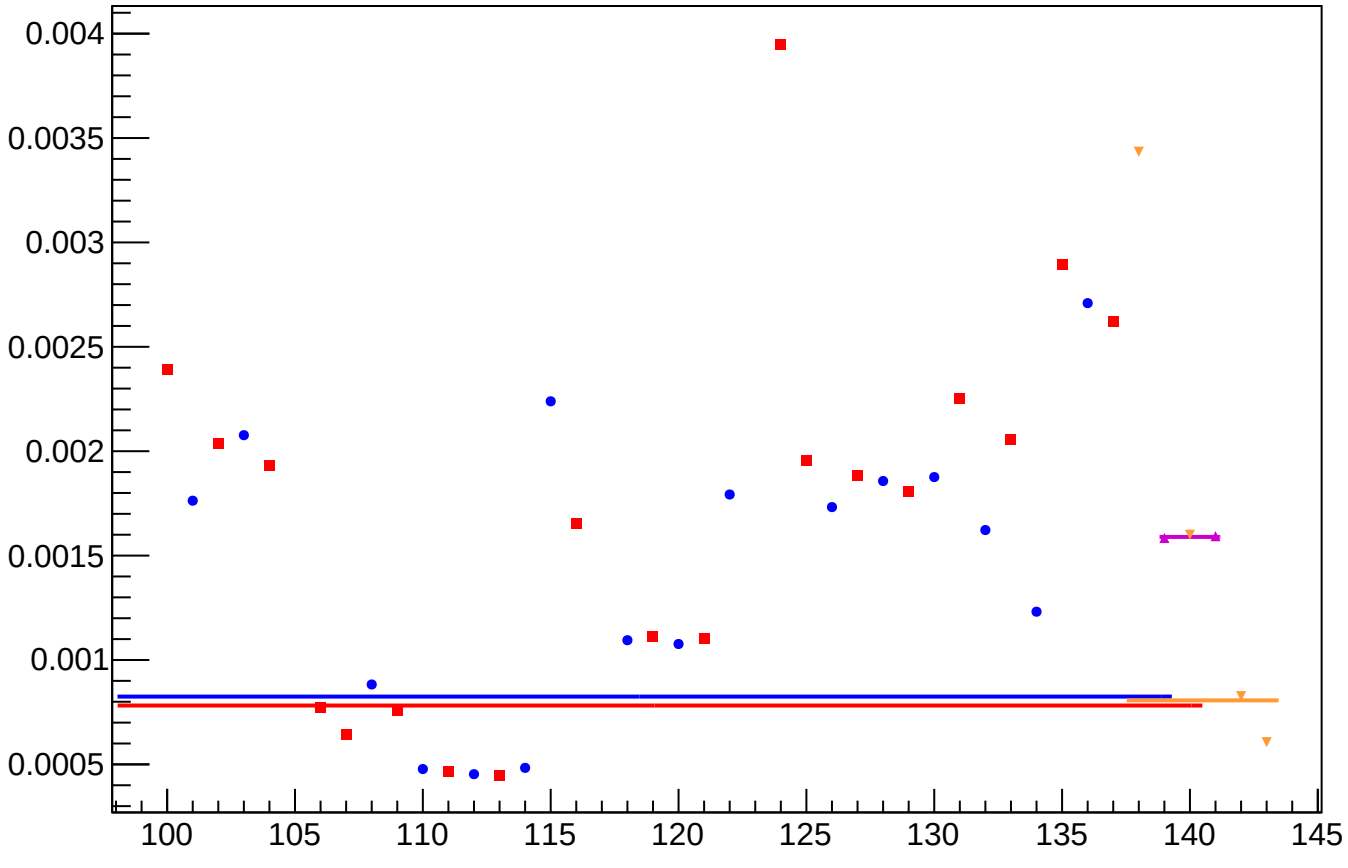
Left: 0.000+/-0.000 χ^2/NDF: 5.6/5

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:32.4/22

All: -0.000+/-0.000 χ^2/NDF: 54.7/40



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1482517.3/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.002+/-0.000 χ^2/NDF:21.7/1

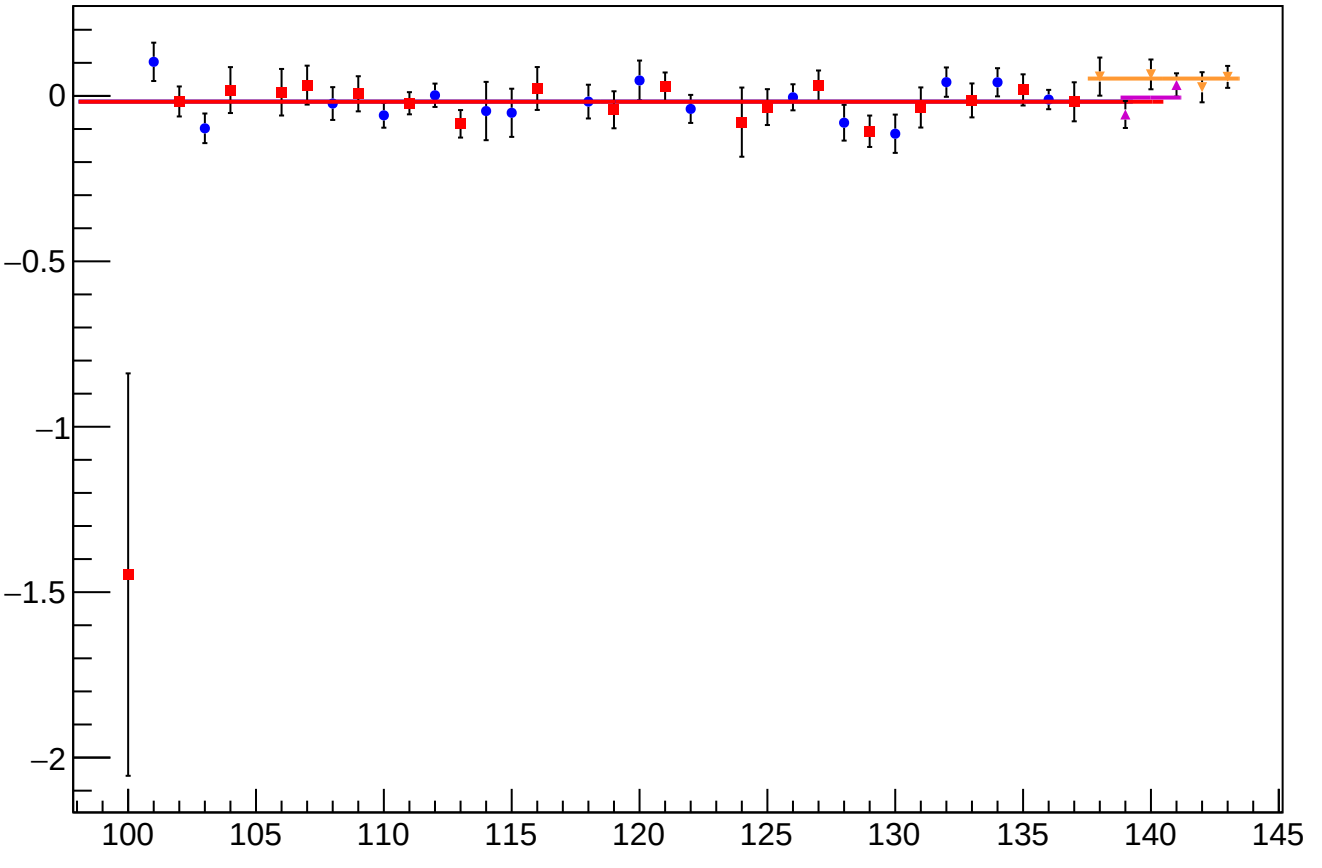
Left: 0.001+/-0.000 χ^2/NDF: 2087521.1/5

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:6123756.5/22

All: 0.001+/-0.000 χ^2/NDF: 11283427.4/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

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: 0.030+/-0.017 χ^2/NDF: 6.0/5

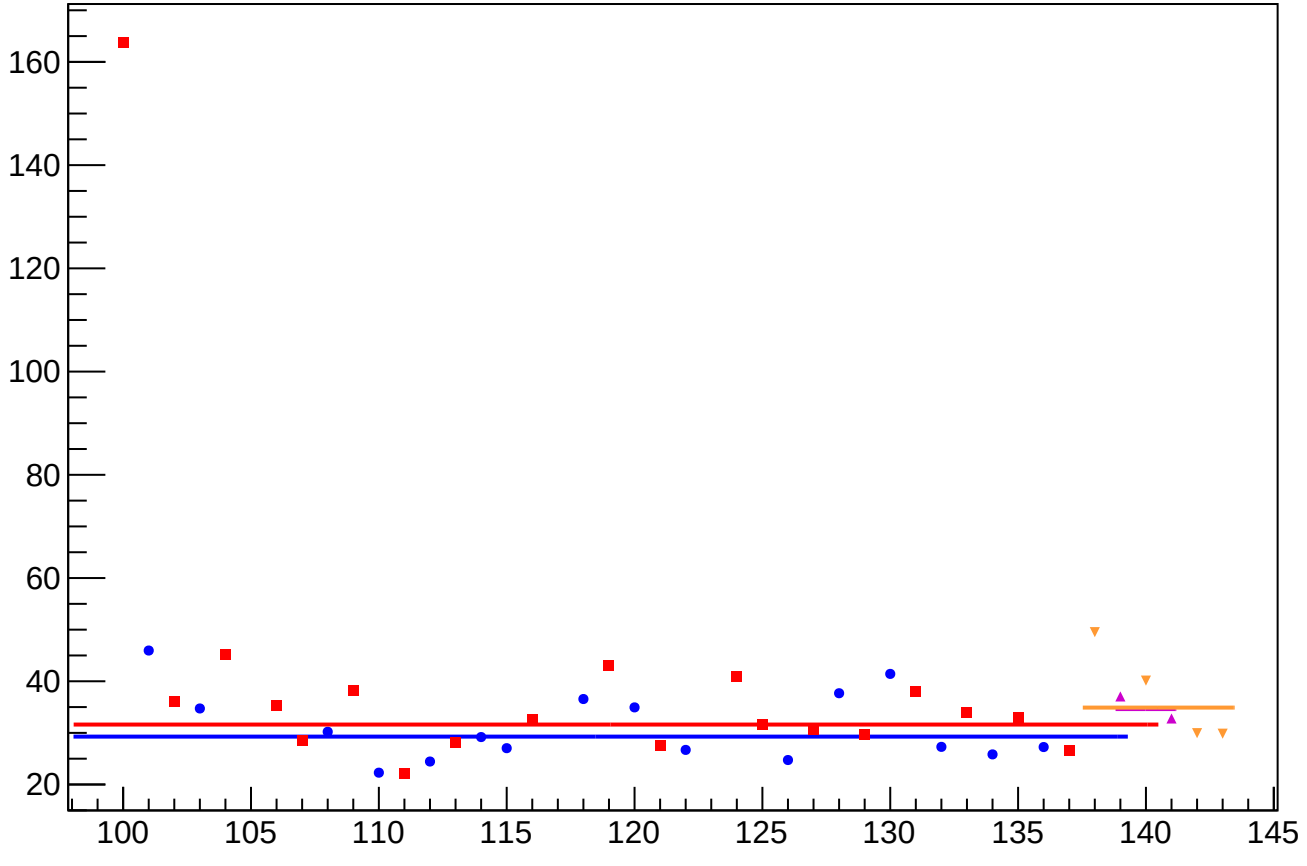
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.008+/-0.007 χ^2/NDF: 48.1/40

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: 34.900+/-0.015 χ^2/NDF:225881.2/3

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 34.615+/-0.019 χ^2/NDF:12515.0/1

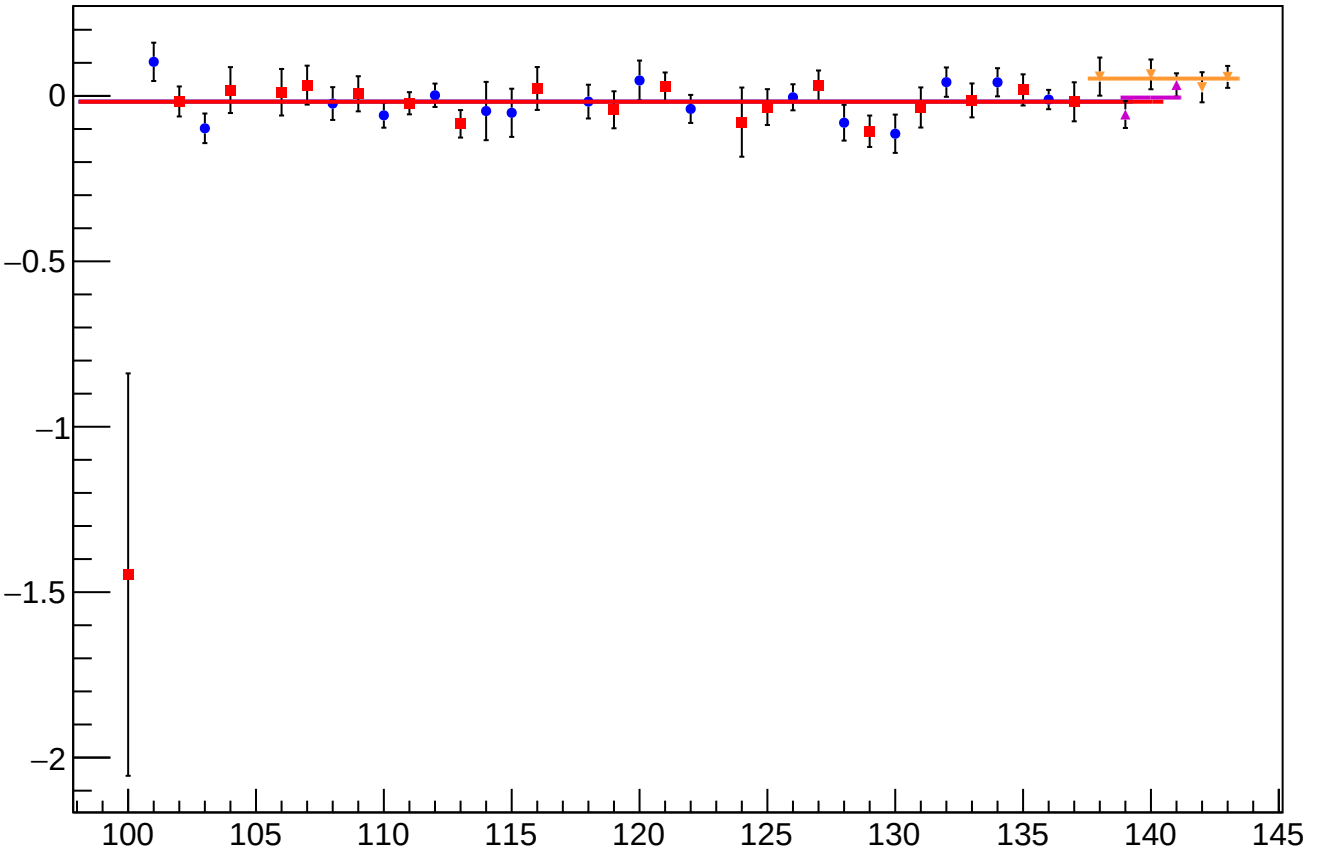
Left: 34.789+/-0.012 χ^2/NDF: 238535.2/5

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 30.095+/-0.007 χ^2/NDF:640837.8/17

Out: 32.411+/-0.007 χ^2/NDF:833850.5/22

All: 31.243+/-0.005 χ^2/NDF: 1523464.9/40



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.052+/-0.021 χ^2/NDF:0.4/3

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: 0.030+/-0.017 χ^2/NDF: 6.0/5

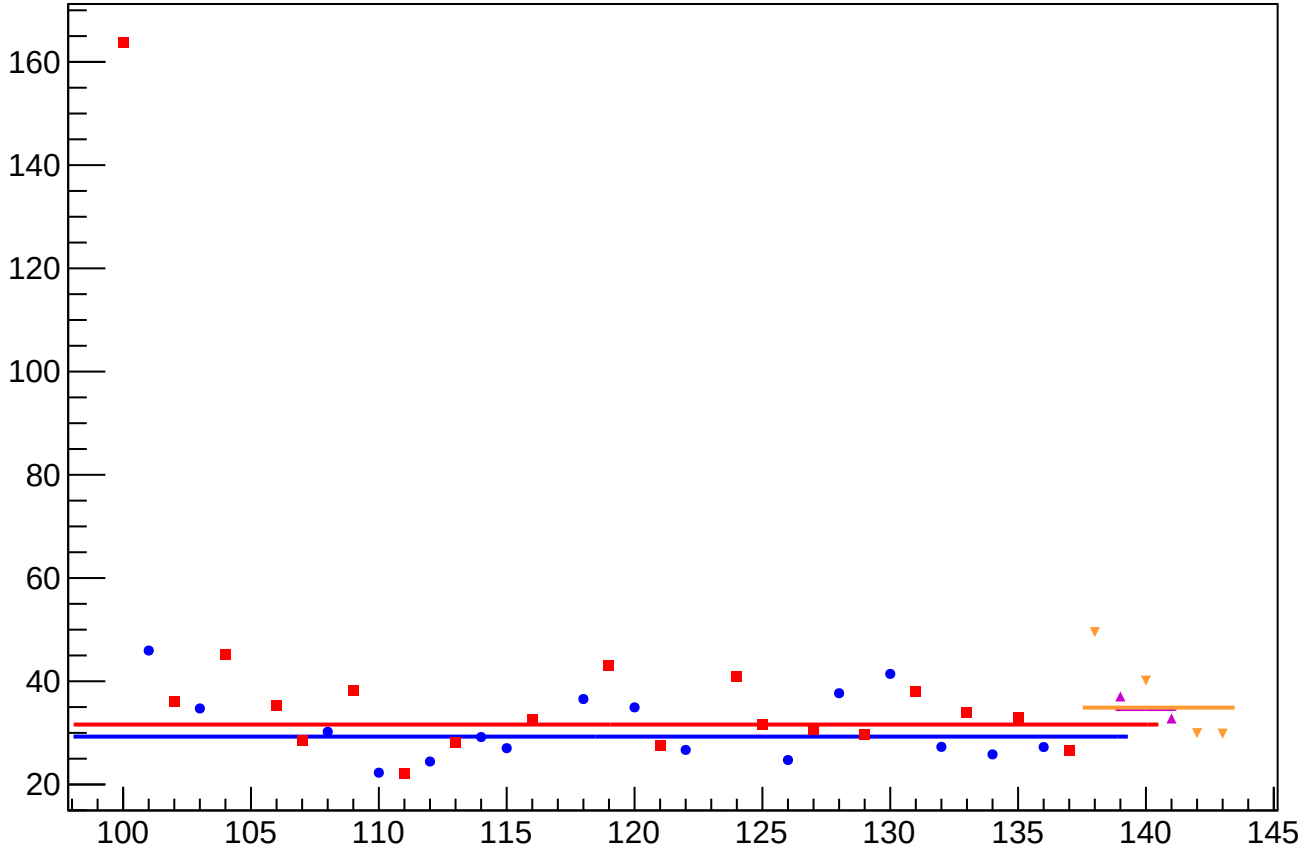
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.015+/-0.010 χ^2/NDF:21.7/17

Out: -0.001+/-0.011 χ^2/NDF:25.4/22

All: -0.008+/-0.007 χ^2/NDF: 48.1/40

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: 34.900+/-0.015 χ^2/NDF:225881.2/3

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 34.615+/-0.019 χ^2/NDF:12515.0/1

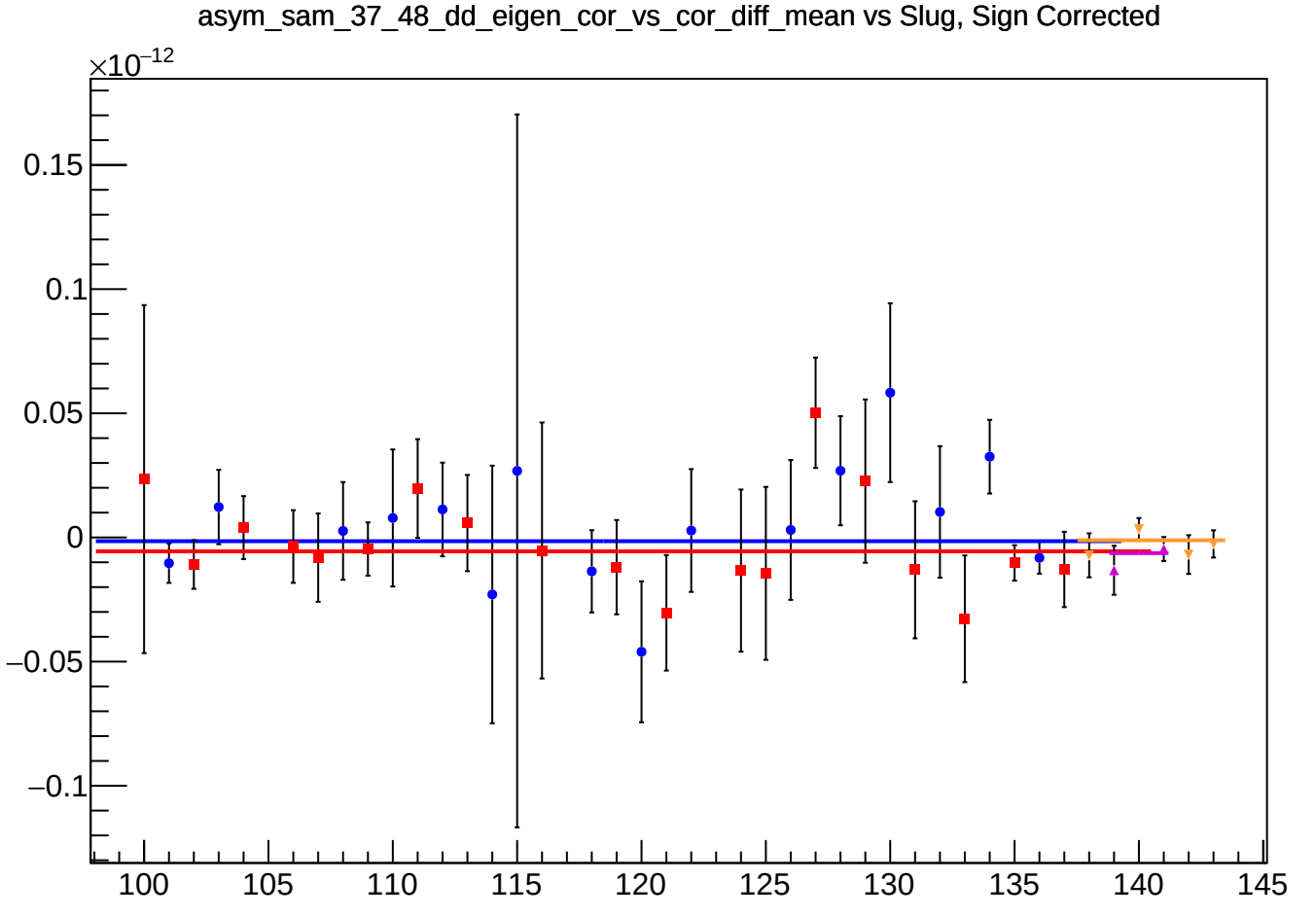
Left: 34.789+/-0.012 χ^2/NDF: 238535.2/5

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 30.095+/-0.007 χ^2/NDF:640837.8/17

Out: 32.411+/-0.007 χ^2/NDF:833850.5/22

All: 31.243+/-0.005 χ^2/NDF: 1523464.9/40



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/1

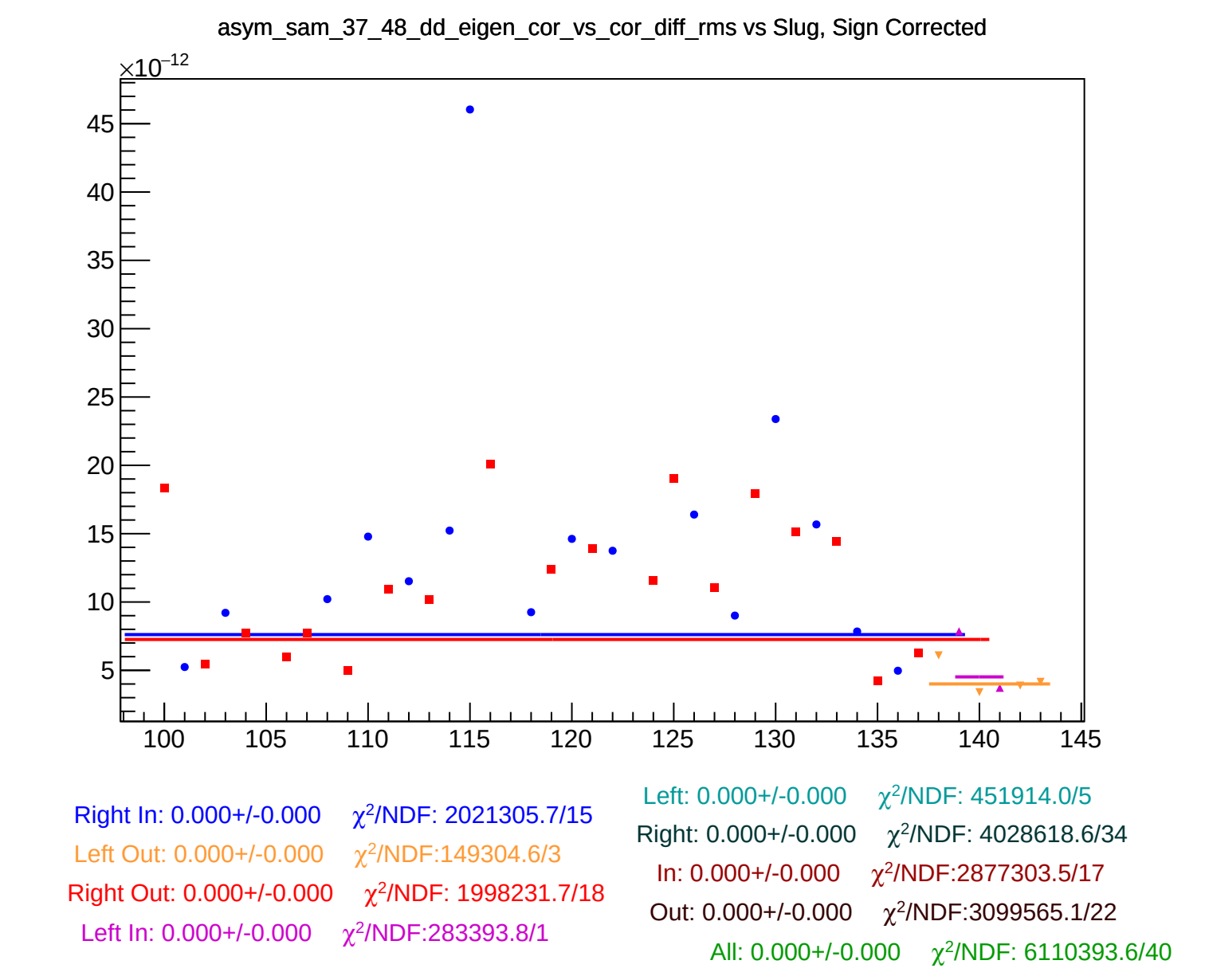
Left: -0.000+/-0.000 χ^2/NDF: 3.6/5

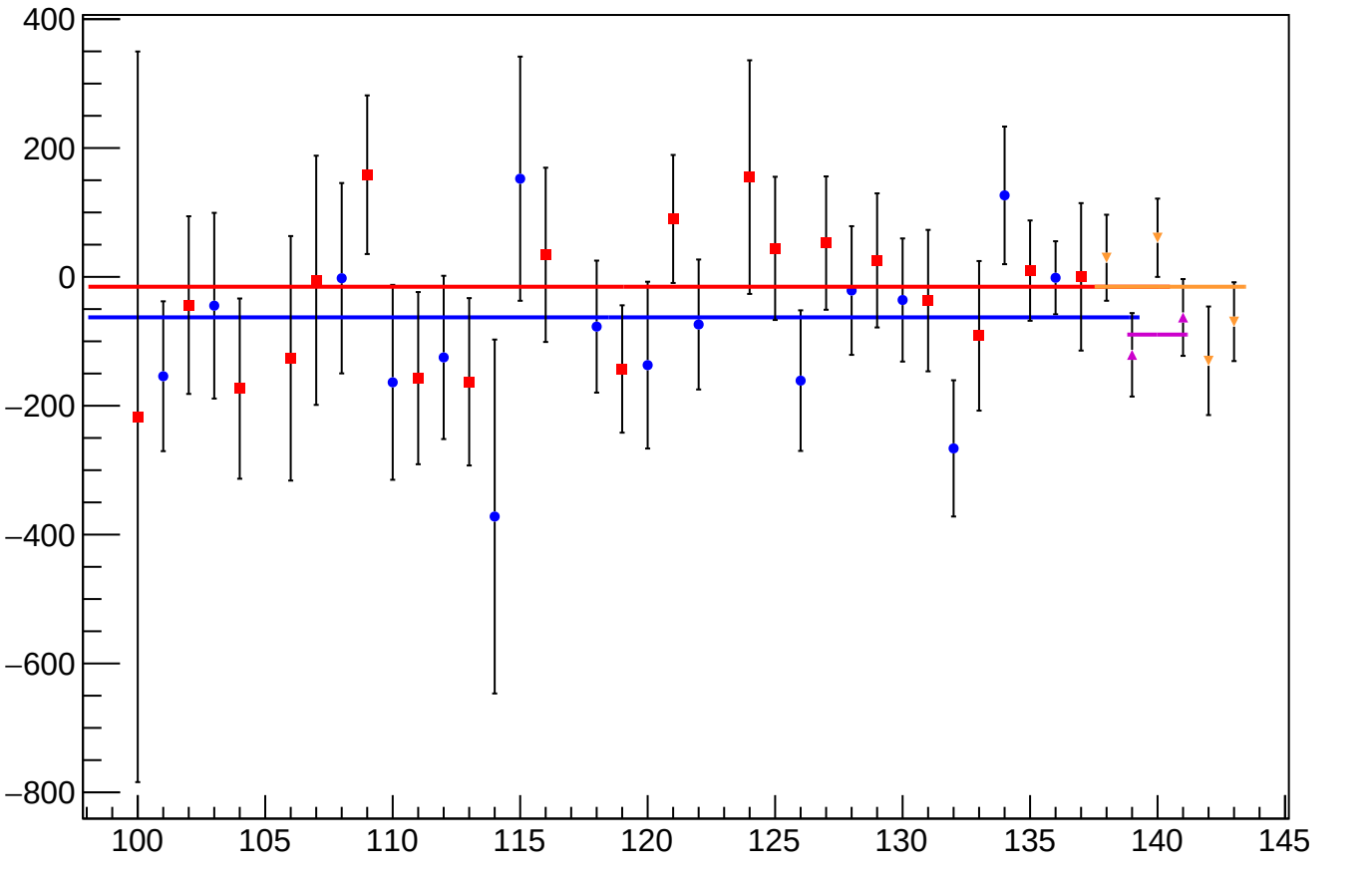
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.2/17

Out: -0.000+/-0.000 χ^2/NDF:16.3/22

All: -0.000+/-0.000 χ^2/NDF: 34.6/40


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:149304.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:283393.8/1
Left: 0.000+/-0.000 χ²/NDF: 451914.0/5
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:2877303.5/17
Out: 0.000+/-0.000 χ²/NDF:3099565.1/22
All: 0.000+/-0.000 χ²/NDF: 6110393.6/40



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.296+/-33.268 χ^2/NDF:4.7/3

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -89.554+/-43.852 χ^2/NDF:0.4/1

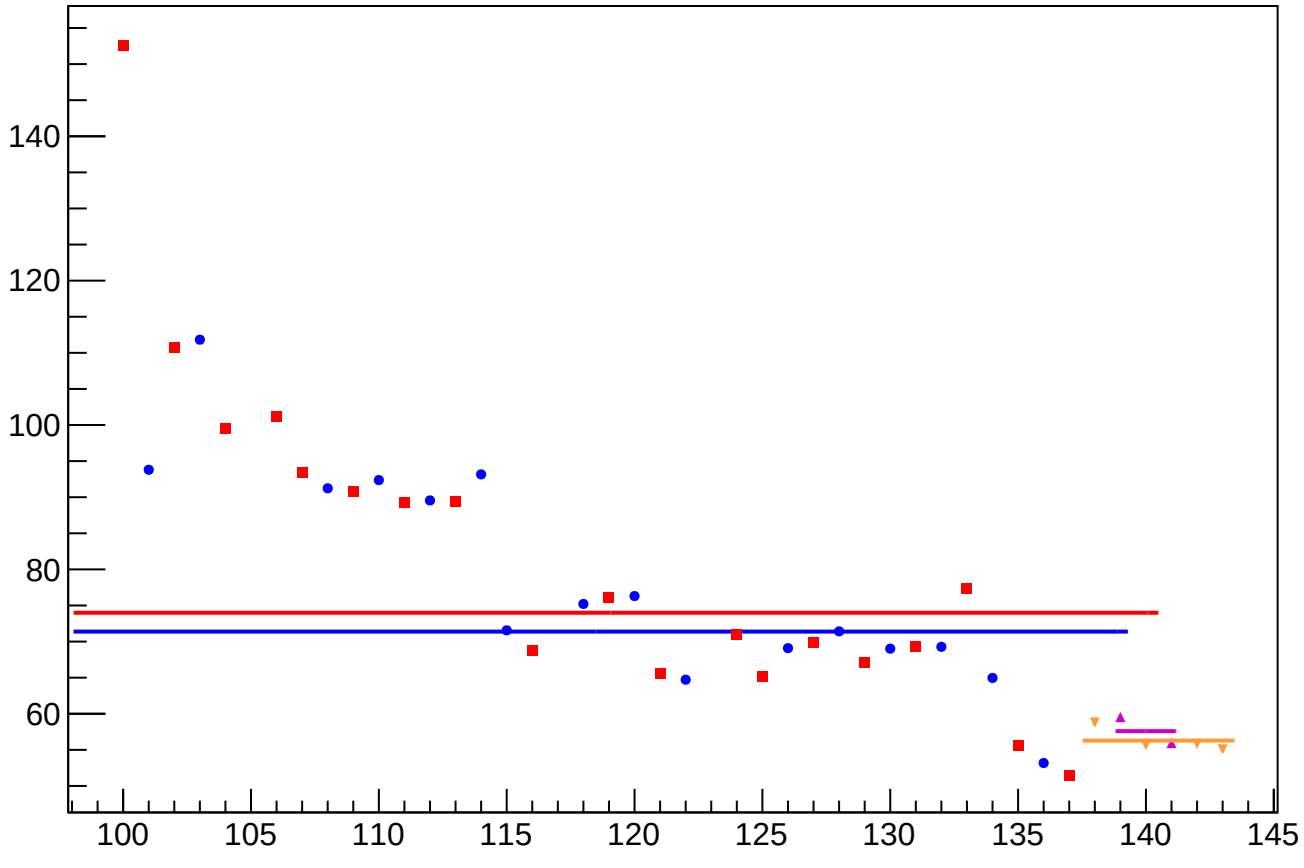
Left: -42.422+/-26.504 χ^2/NDF: 6.9/5

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -70.237+/-23.123 χ^2/NDF:14.2/17

Out: -15.291+/-21.319 χ^2/NDF:16.1/22

All: -40.537+/-15.674 χ^2/NDF: 33.4/40



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

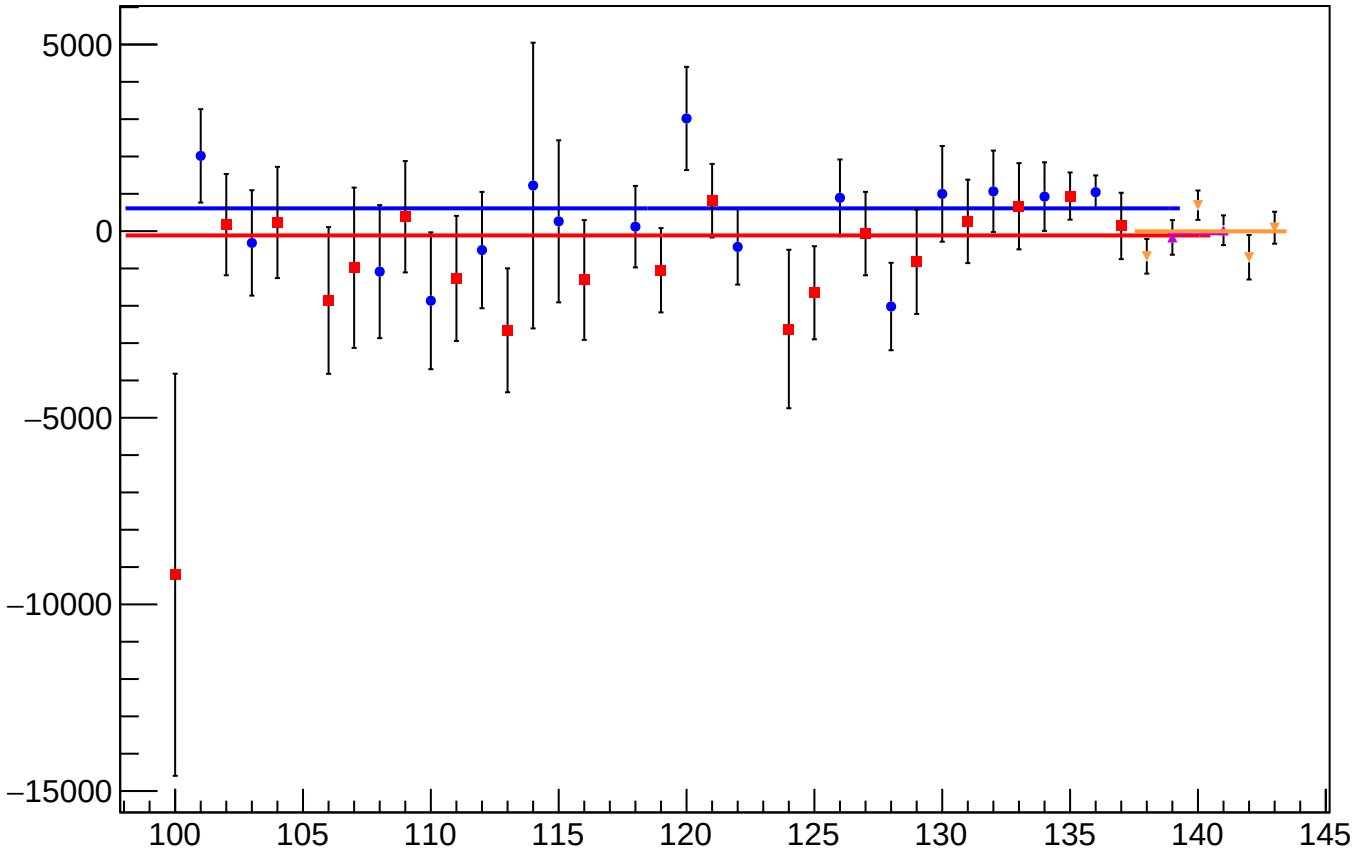
Left: 56.761+/-0.019 χ^2/NDF: 8339.4/5

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 67.549+/-0.016 χ^2/NDF:737080.4/17

Out: 66.721+/-0.015 χ^2/NDF:976359.0/22

All: 67.101+/-0.011 χ^2/NDF: 1714825.1/40



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -4.612+/-227.184 χ^2/NDF:6.7/3

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -57.556+/-302.438 χ^2/NDF:0.1/1

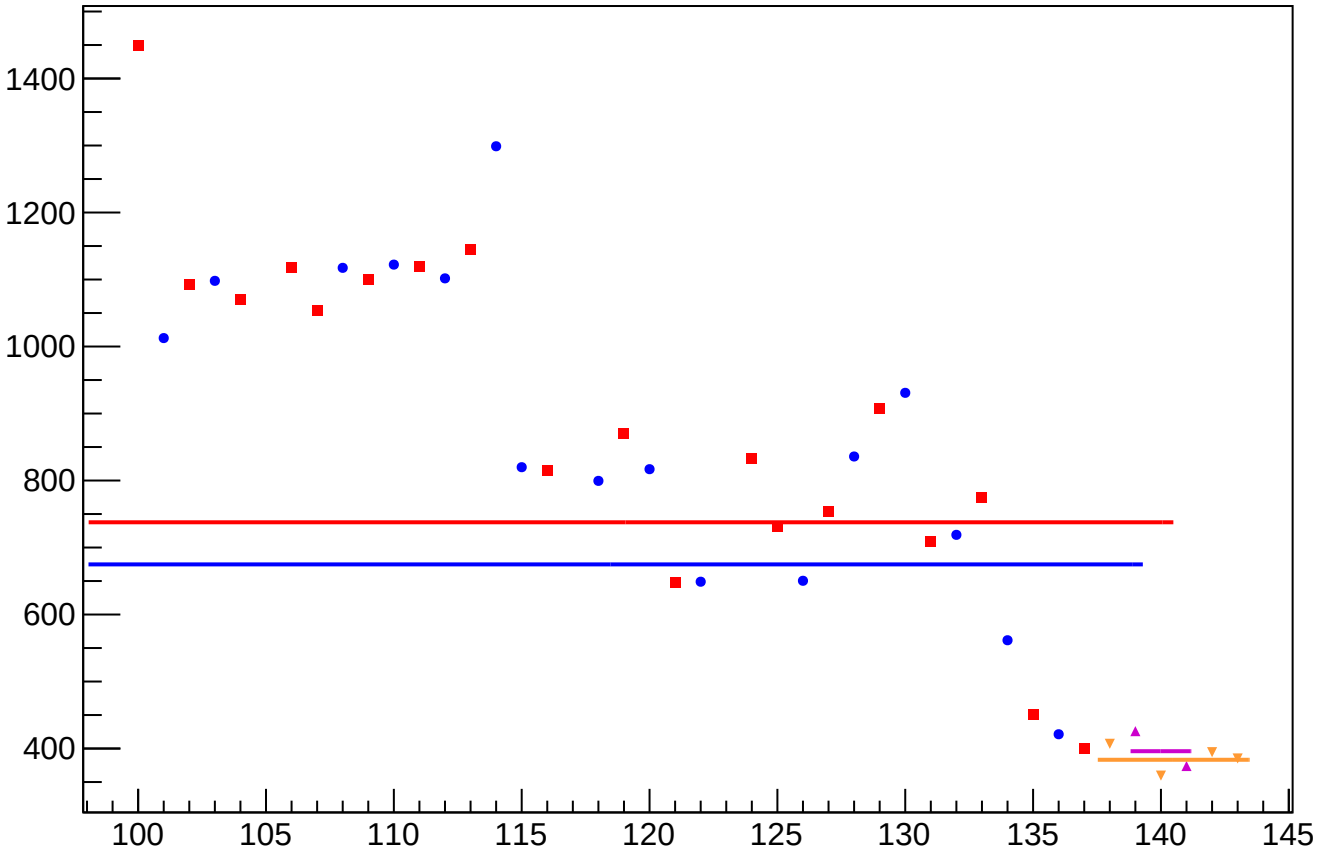
Left: -23.710+/-181.645 χ^2/NDF: 6.8/5

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 318.165+/-200.076 χ^2/NDF:18.5/17

Out: -47.486+/-177.482 χ^2/NDF:22.3/22

All: 113.536+/-132.771 χ^2/NDF: 42.7/40



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.2/3

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 396.019+/-0.214 χ^2/NDF:14462.3/1

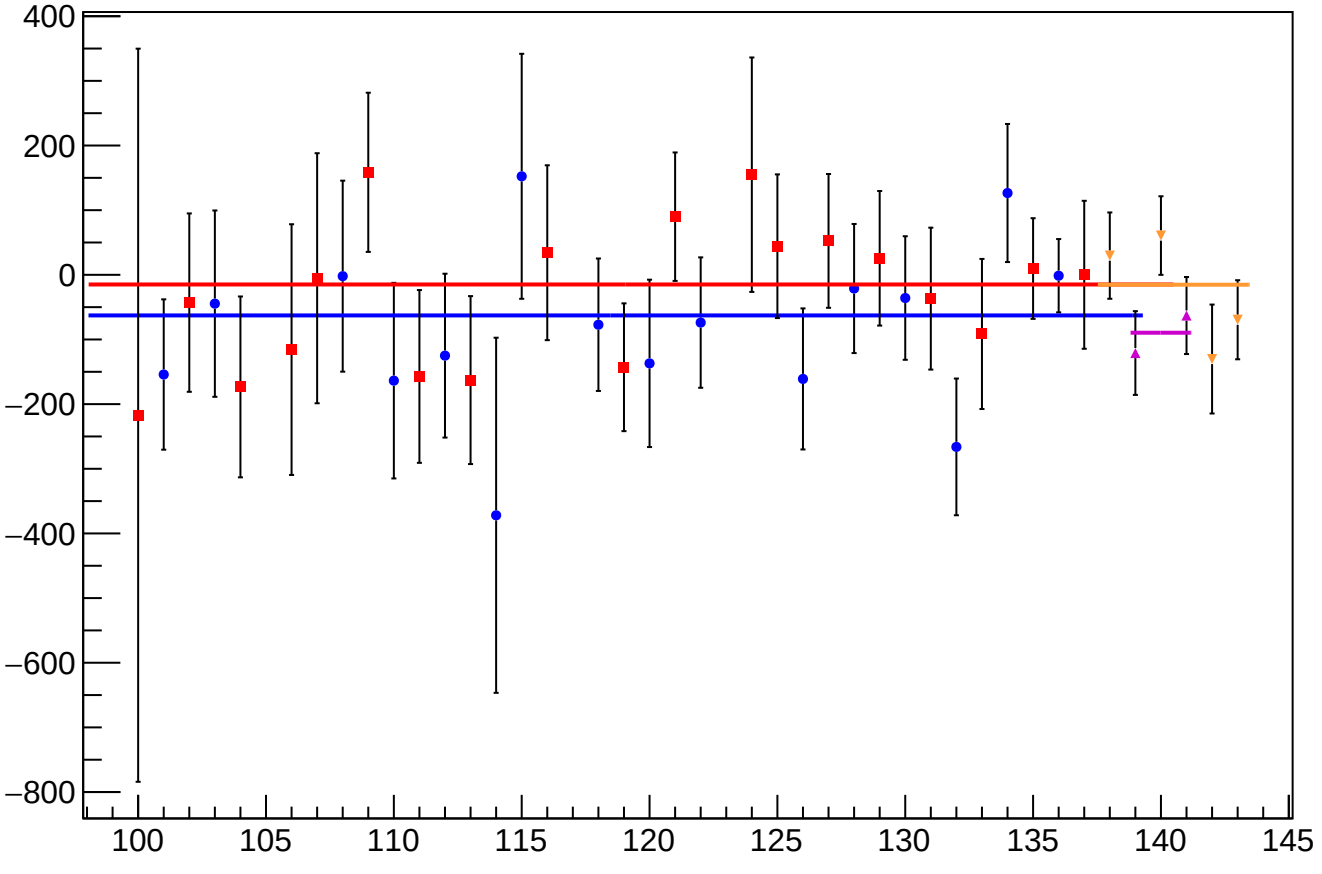
Left: 387.839+/-0.128 χ^2/NDF: 30003.1/5

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 552.811+/-0.141 χ^2/NDF:2587913.7/17

Out: 521.349+/-0.125 χ^2/NDF:3427152.7/22

All: 535.204+/-0.094 χ^2/NDF: 6042742.3/40



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.294+/-33.268 χ^2/NDF:4.7/3

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -89.557+/-43.852 χ^2/NDF:0.4/1

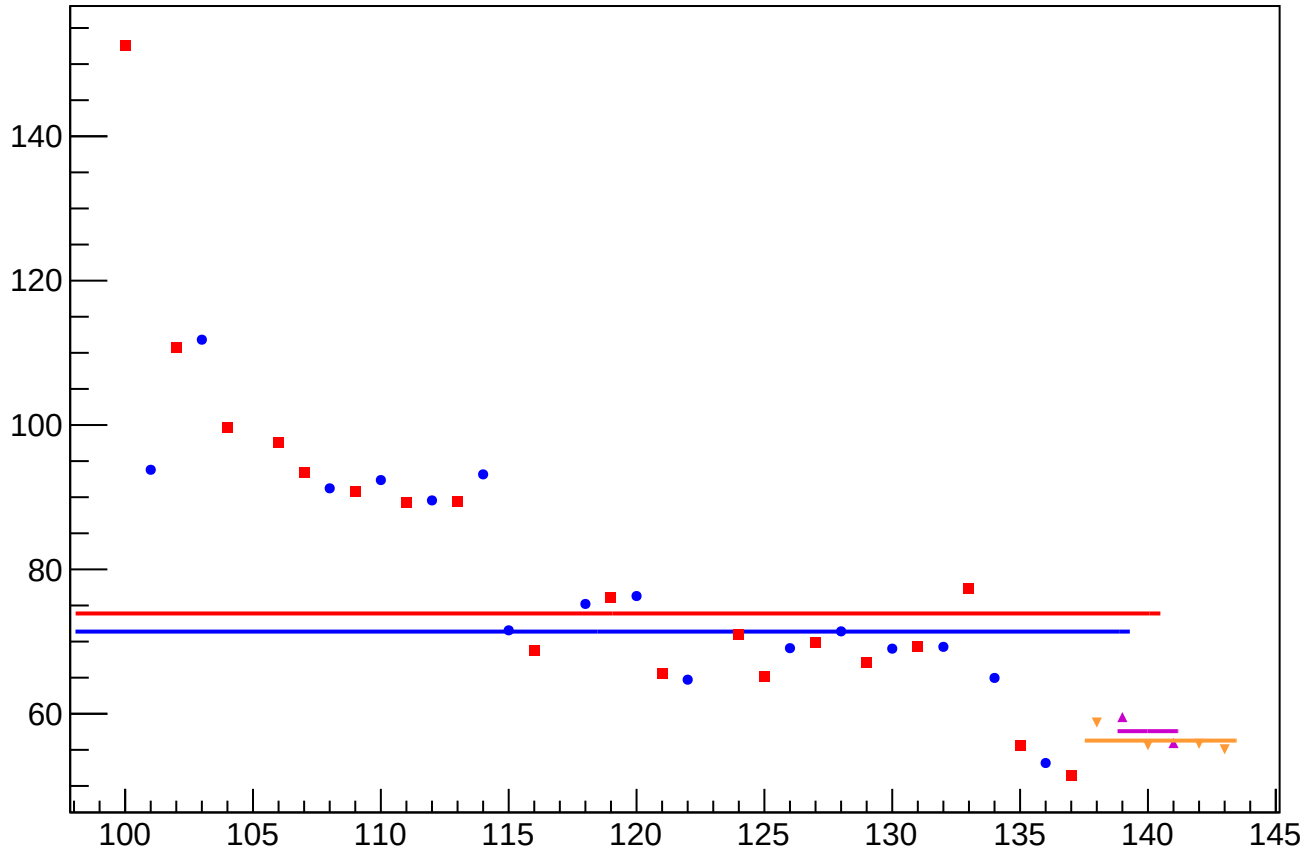
Left: -42.422+/-26.504 χ^2/NDF: 6.9/5

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -70.232+/-23.123 χ^2/NDF:14.2/17

Out: -15.081+/-21.325 χ^2/NDF:16.1/22

All: -40.429+/-15.676 χ^2/NDF: 33.3/40



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

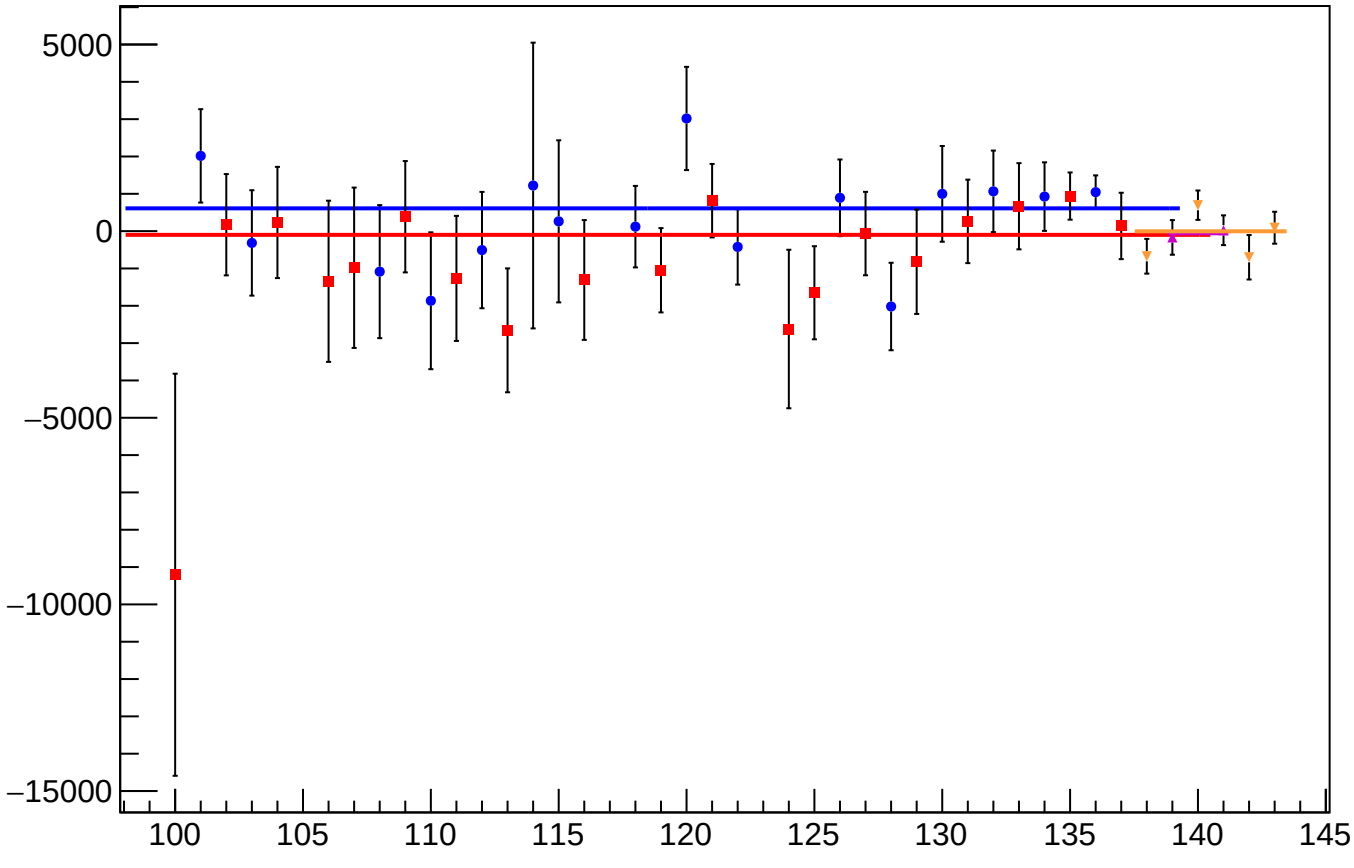
Left: 56.761+/-0.019 χ^2/NDF: 8339.4/5

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 67.549+/-0.016 χ^2/NDF:737082.9/17

Out: 66.658+/-0.015 χ^2/NDF:961046.2/22

All: 67.067+/-0.011 χ^2/NDF: 1699732.9/40



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -4.611+/-227.184 χ^2/NDF:6.7/3

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: -23.714+/-181.645 χ^2/NDF: 6.8/5

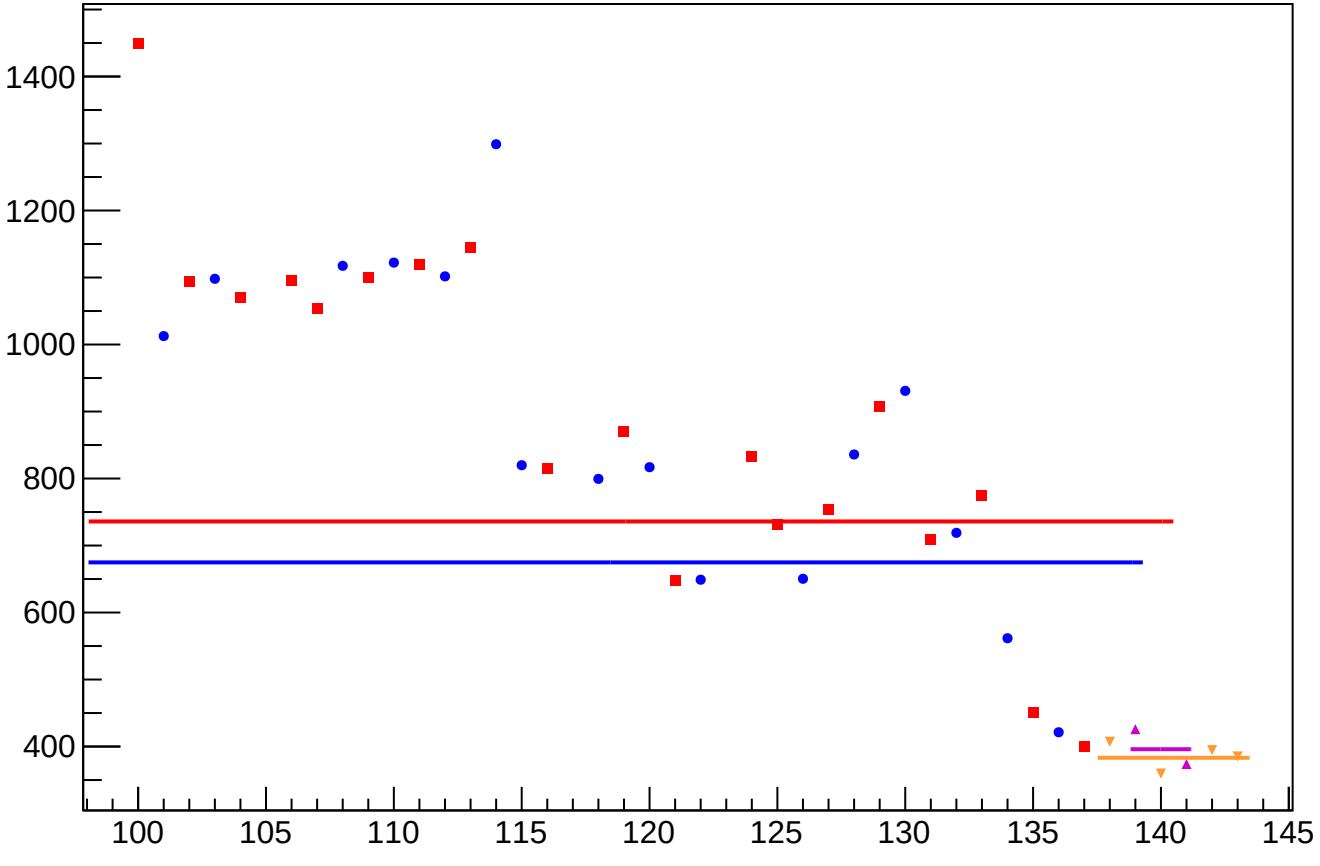
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 318.153+/-200.077 χ^2/NDF:18.5/17

Out: -41.527+/-177.608 χ^2/NDF:21.8/22

All: 116.991+/-132.824 χ^2/NDF: 42.2/40

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.7/3

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 396.019+/-0.214 χ^2/NDF:14462.0/1

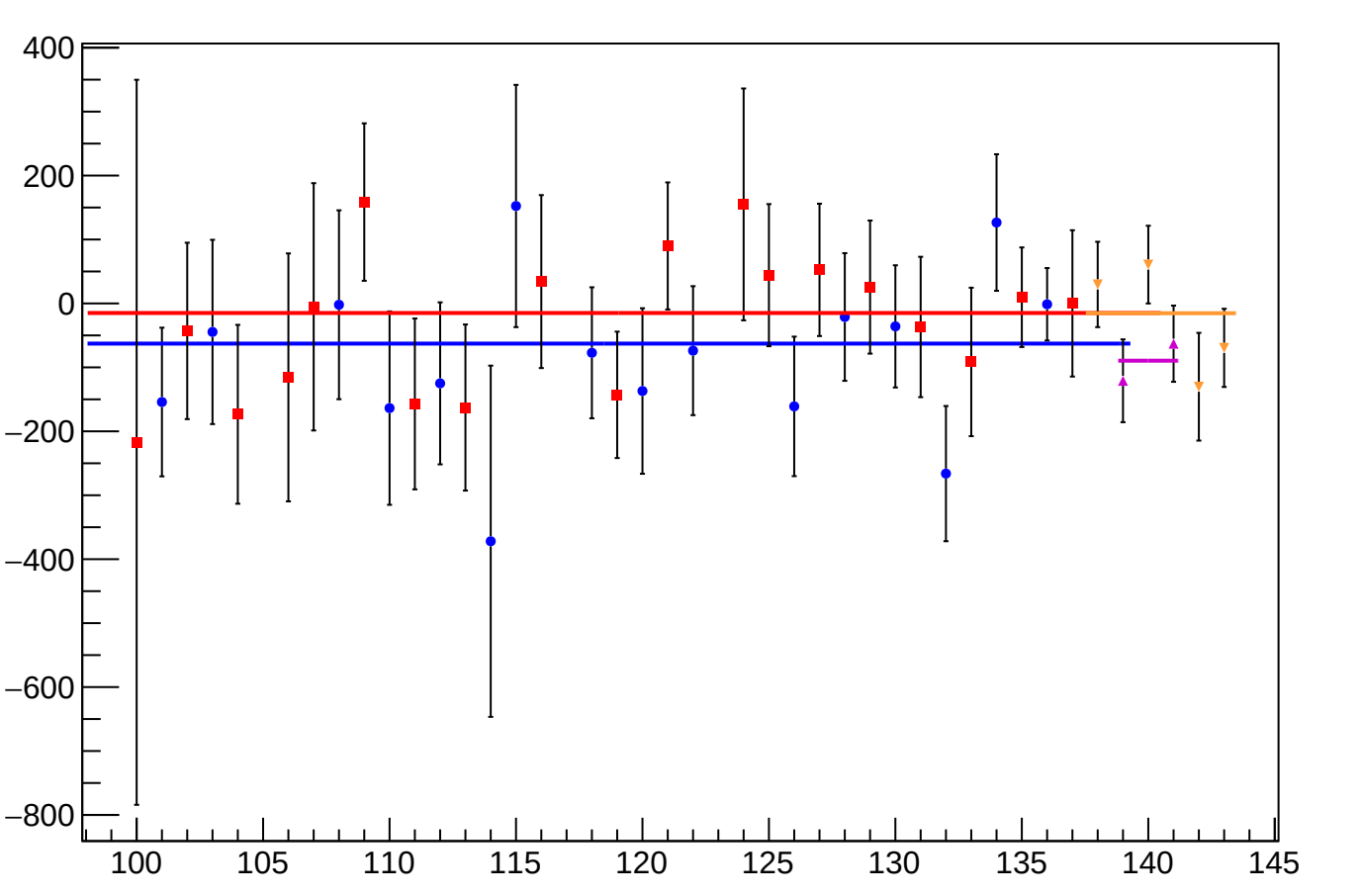
Left: 387.839+/-0.128 χ^2/NDF: 30003.3/5

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 552.811+/-0.141 χ^2/NDF:2587936.8/17

Out: 520.360+/-0.126 χ^2/NDF:3384461.5/22

All: 534.662+/-0.094 χ^2/NDF: 6001824.7/40



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -15.294+/-33.268 χ^2/NDF:4.7/3

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -89.557+/-43.852 χ^2/NDF:0.4/1

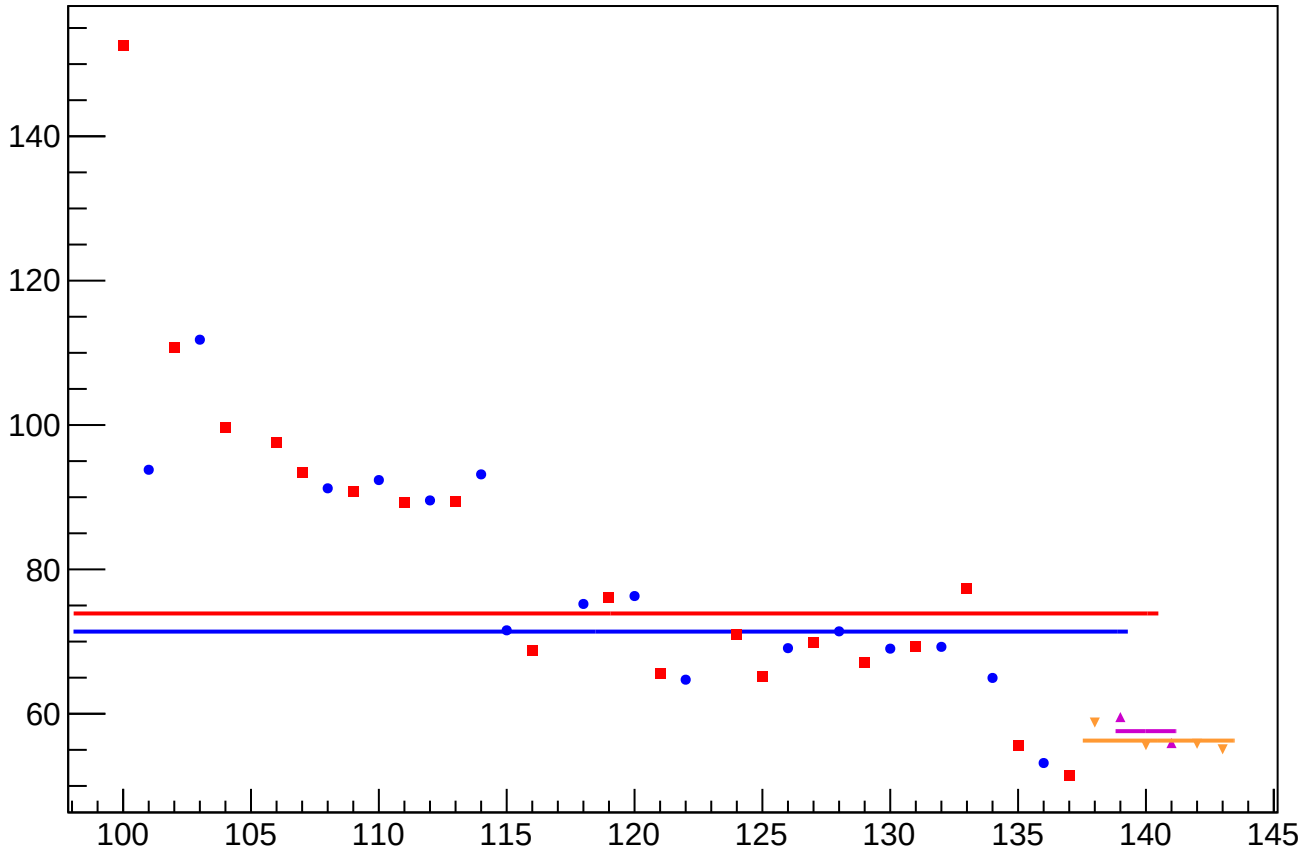
Left: -42.422+/-26.504 χ^2/NDF: 6.9/5

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -70.232+/-23.123 χ^2/NDF:14.2/17

Out: -15.081+/-21.325 χ^2/NDF:16.1/22

All: -40.429+/-15.676 χ^2/NDF: 33.3/40



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.283+/-0.024 χ^2/NDF:3861.9/3

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 57.592+/-0.031 χ^2/NDF:3347.3/1

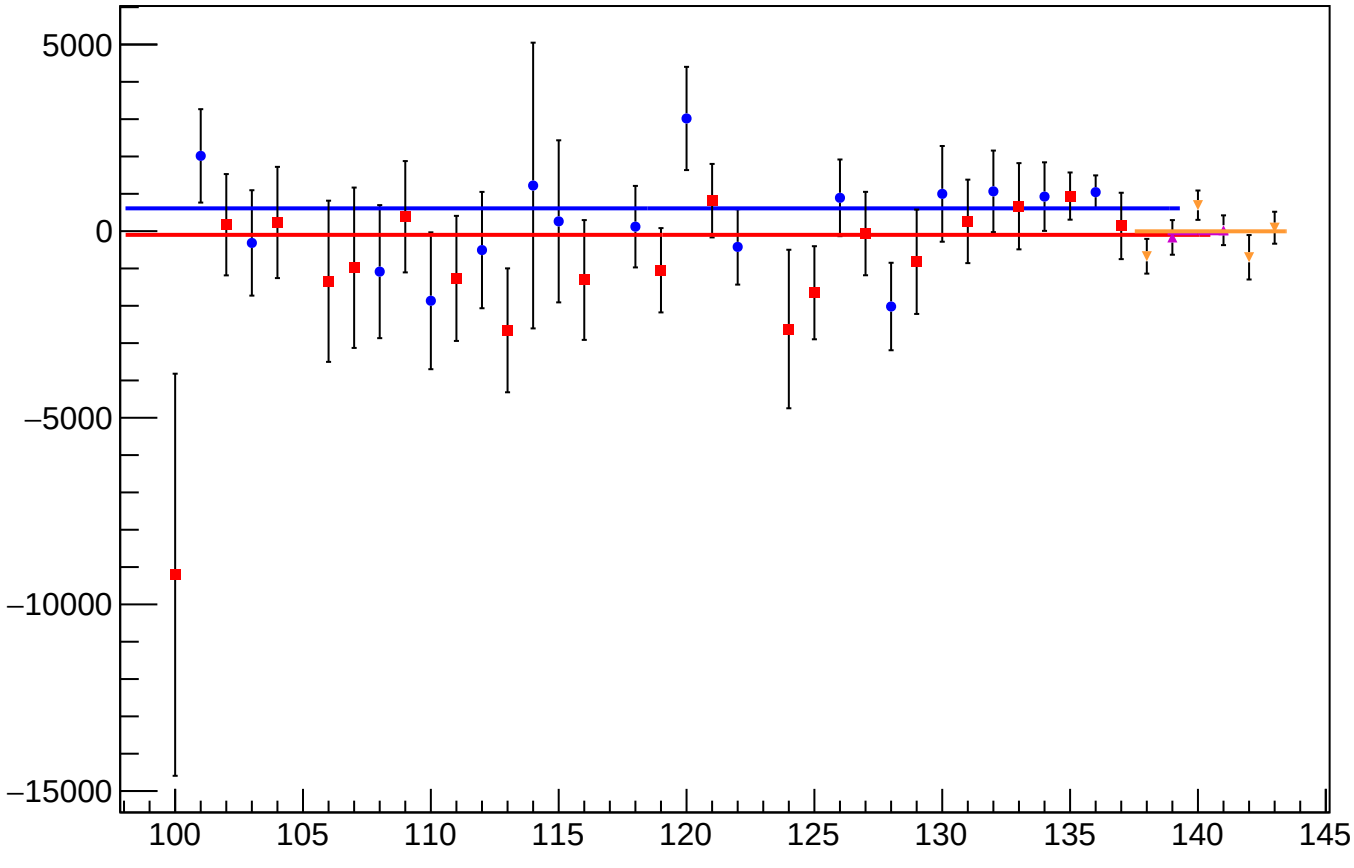
Left: 56.761+/-0.019 χ^2/NDF: 8339.4/5

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 67.549+/-0.016 χ^2/NDF:737082.9/17

Out: 66.658+/-0.015 χ^2/NDF:961046.2/22

All: 67.067+/-0.011 χ^2/NDF: 1699732.9/40



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -4.611+/-227.184 χ^2/NDF:6.7/3

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: -23.714+/-181.645 χ^2/NDF: 6.8/5

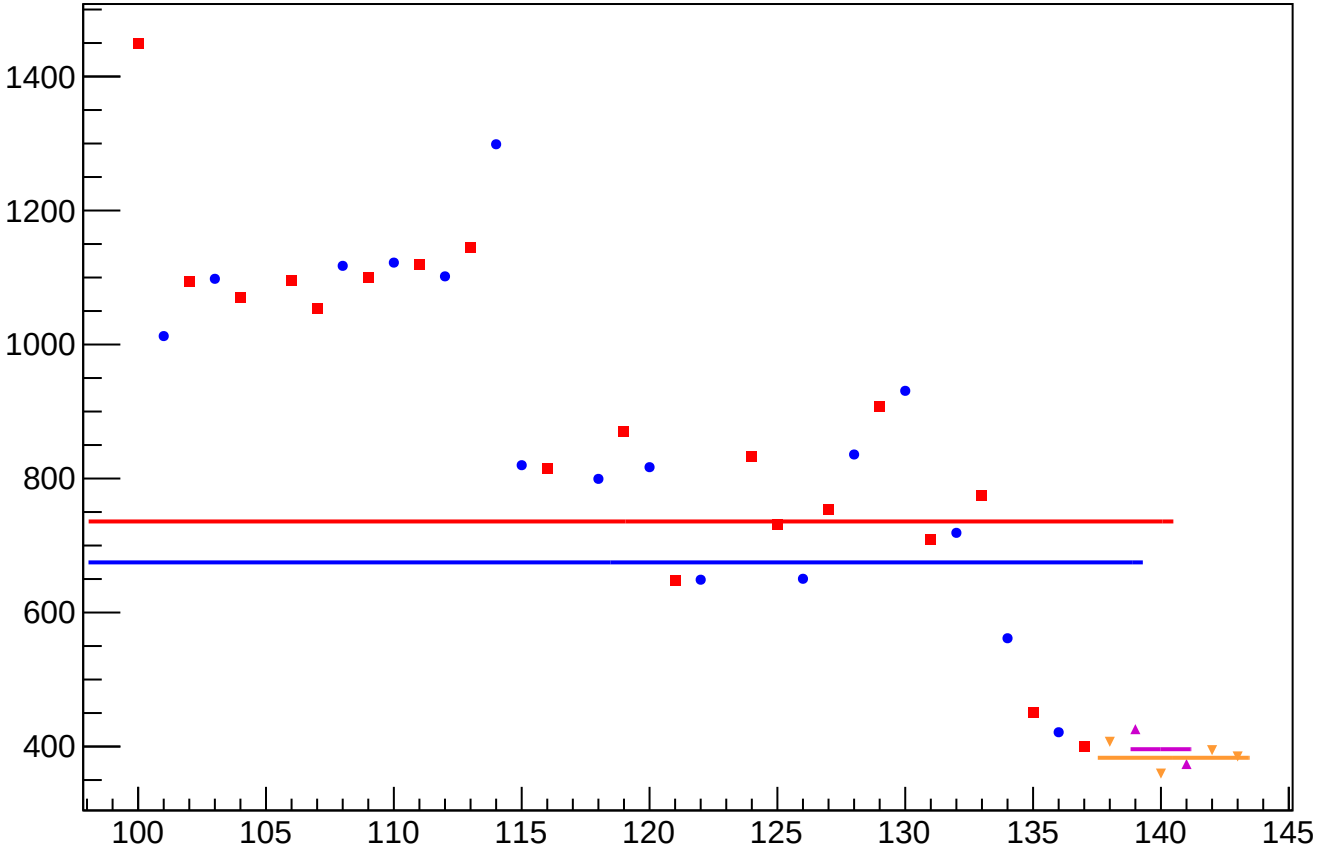
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 318.153+/-200.077 χ^2/NDF:18.5/17

Out: -41.527+/-177.608 χ^2/NDF:21.8/22

All: 116.991+/-132.824 χ^2/NDF: 42.2/40

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 383.224+/-0.161 χ^2/NDF:13252.7/3

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 396.019+/-0.214 χ^2/NDF:14462.0/1

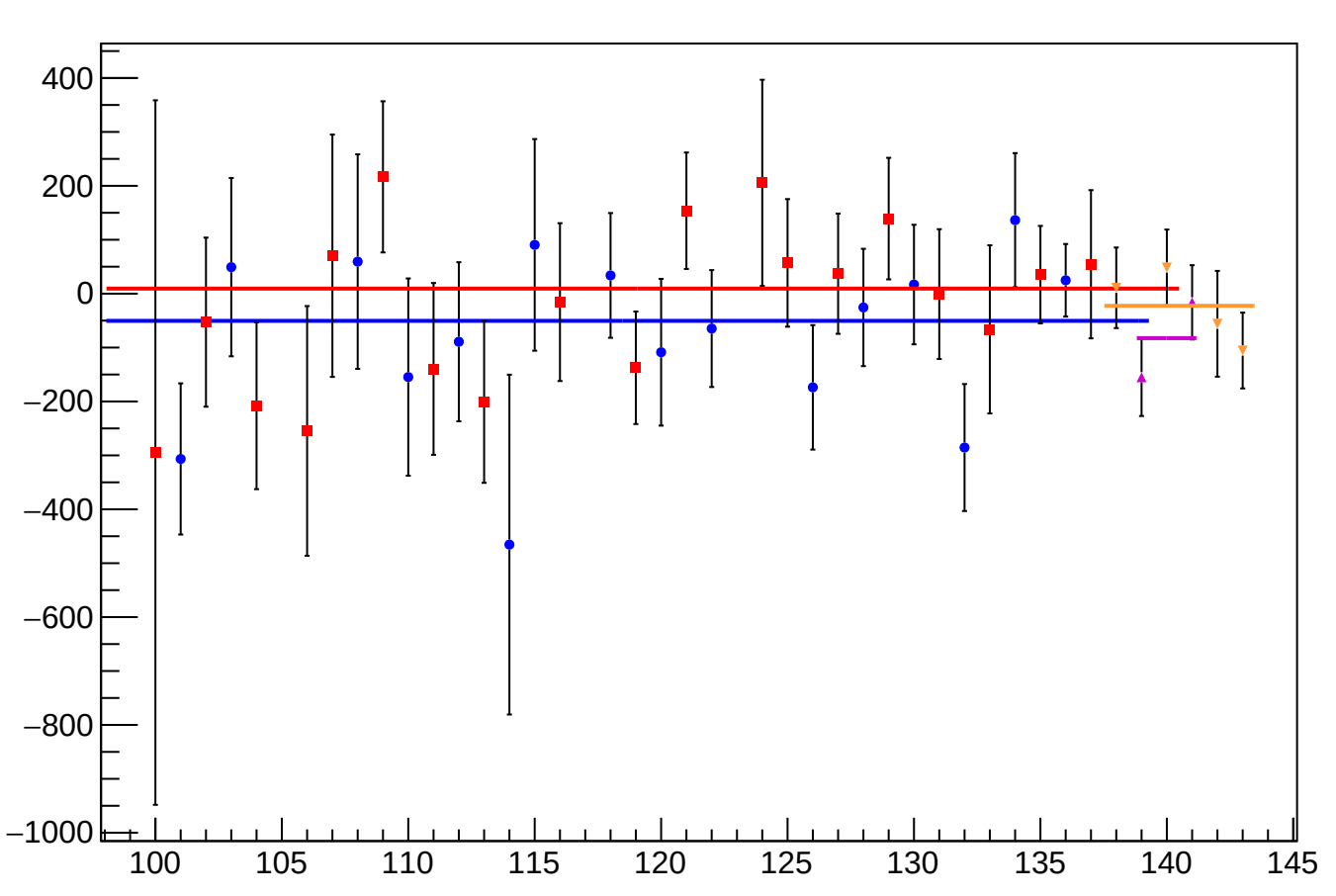
Left: 387.839+/-0.128 χ^2/NDF: 30003.3/5

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 552.811+/-0.141 χ^2/NDF:2587936.8/17

Out: 520.360+/-0.126 χ^2/NDF:3384461.5/22

All: 534.662+/-0.094 χ^2/NDF: 6001824.7/40



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.532+/-38.162 χ^2/NDF:2.7/3

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -82.547+/-49.754 χ^2/NDF:1.9/1

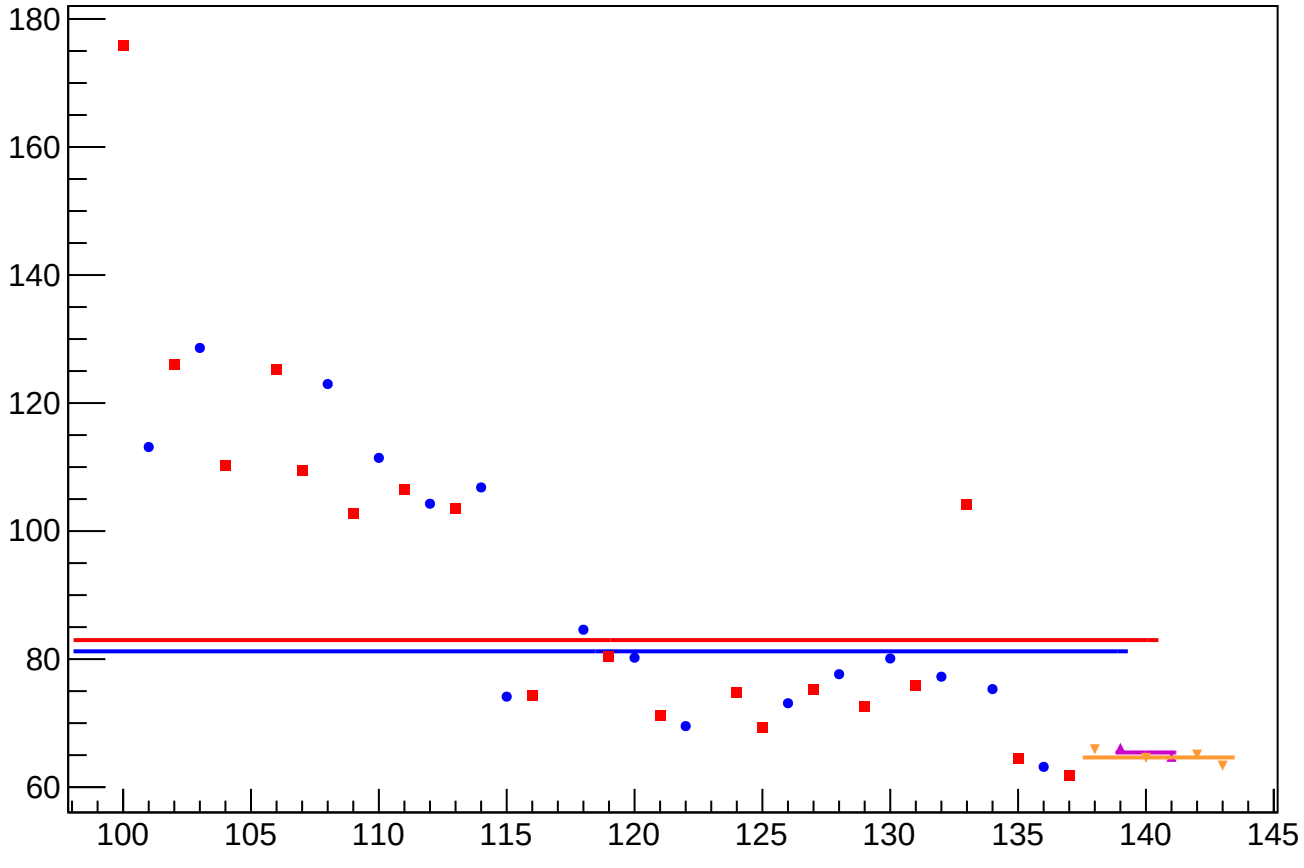
Left: -44.762+/-30.281 χ^2/NDF: 5.6/5

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -59.462+/-26.348 χ^2/NDF:18.7/17

Out: -3.422+/-24.171 χ^2/NDF:18.7/22

All: -29.031+/-17.811 χ^2/NDF: 39.8/40



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.638+/-0.027 χ^2/NDF:1281.3/3

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.414+/-0.035 χ^2/NDF:396.7/1

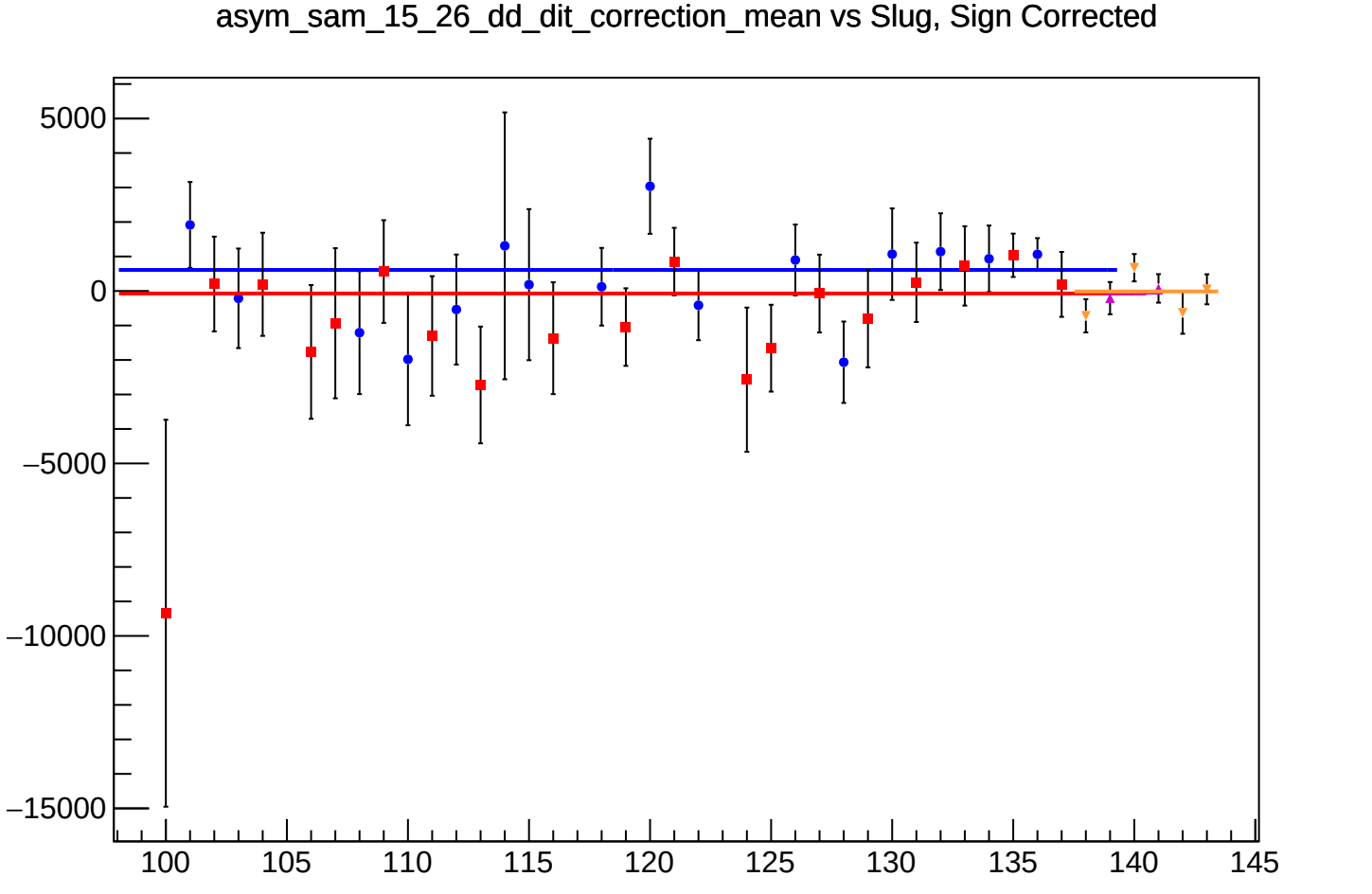
Left: 64.926+/-0.021 χ^2/NDF: 1984.1/5

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 76.786+/-0.019 χ^2/NDF:808467.5/17

Out: 75.617+/-0.017 χ^2/NDF:1008050.1/22

All: 76.151+/-0.013 χ^2/NDF: 1818656.7/40



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: -13.593+/-231.396 χ^2/NDF:6.2/3

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: -26.433+/-185.370 χ^2/NDF: 6.4/5

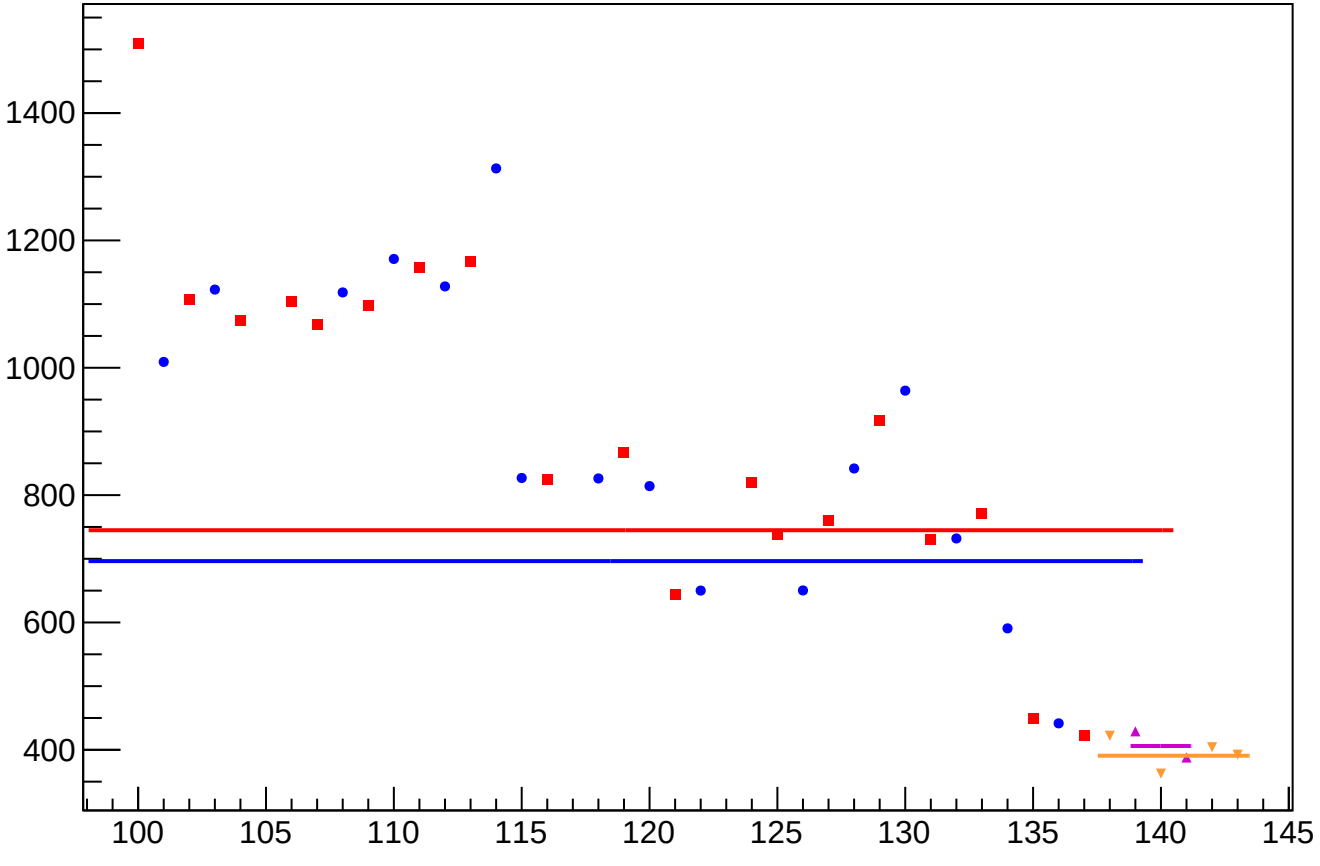
Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 320.704+/-205.207 χ^2/NDF:18.5/17

Out: -36.742+/-180.097 χ^2/NDF:22.4/22

All: 118.785+/-135.360 χ^2/NDF: 42.7/40

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 390.765+/-0.164 χ^2/NDF:19570.4/3

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 405.968+/-0.219 χ^2/NDF:8673.8/1

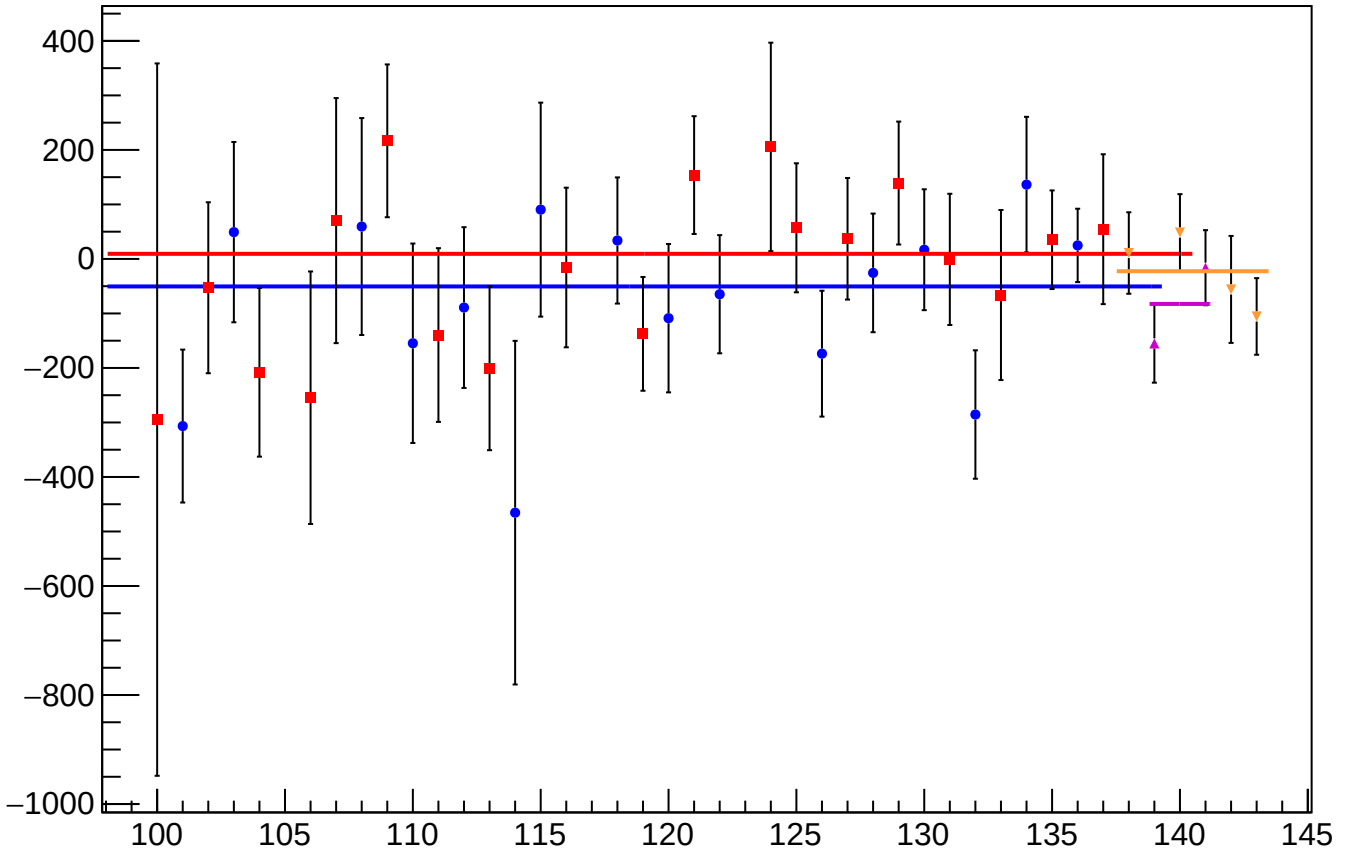
Left: 396.211+/-0.131 χ^2/NDF: 31337.3/5

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 568.876+/-0.145 χ^2/NDF:2510614.0/17

Out: 530.369+/-0.127 χ^2/NDF:3364464.4/22

All: 547.124+/-0.096 χ^2/NDF: 5914859.4/40



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -22.532+/-38.162 χ^2/NDF:2.7/3

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -82.546+/-49.754 χ^2/NDF:1.9/1

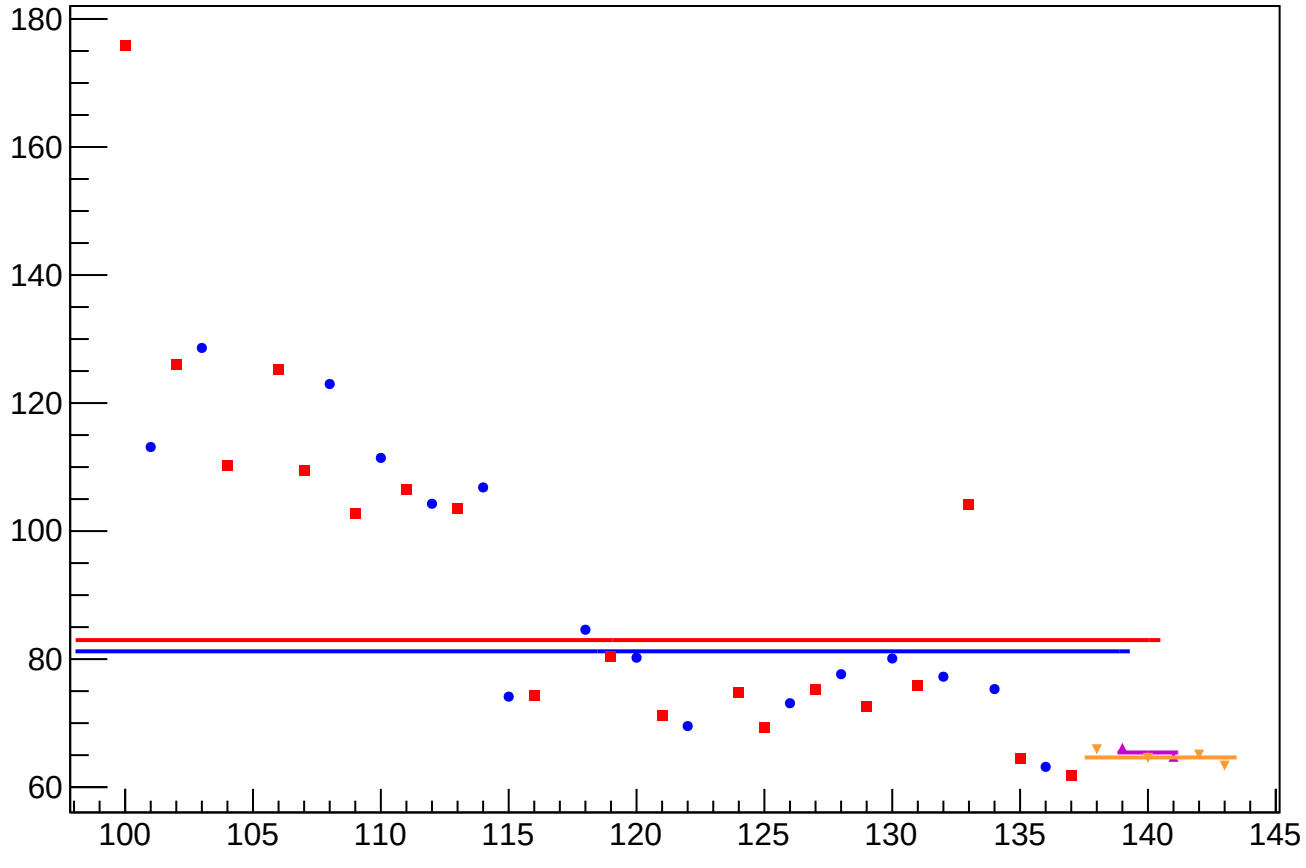
Left: -44.761+/-30.281 χ^2/NDF: 5.6/5

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -59.462+/-26.348 χ^2/NDF:18.7/17

Out: -3.421+/-24.171 χ^2/NDF:18.7/22

All: -29.031+/-17.811 χ^2/NDF: 39.8/40



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.639+/-0.027 χ^2/NDF:1281.3/3

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.415+/-0.035 χ^2/NDF:396.4/1

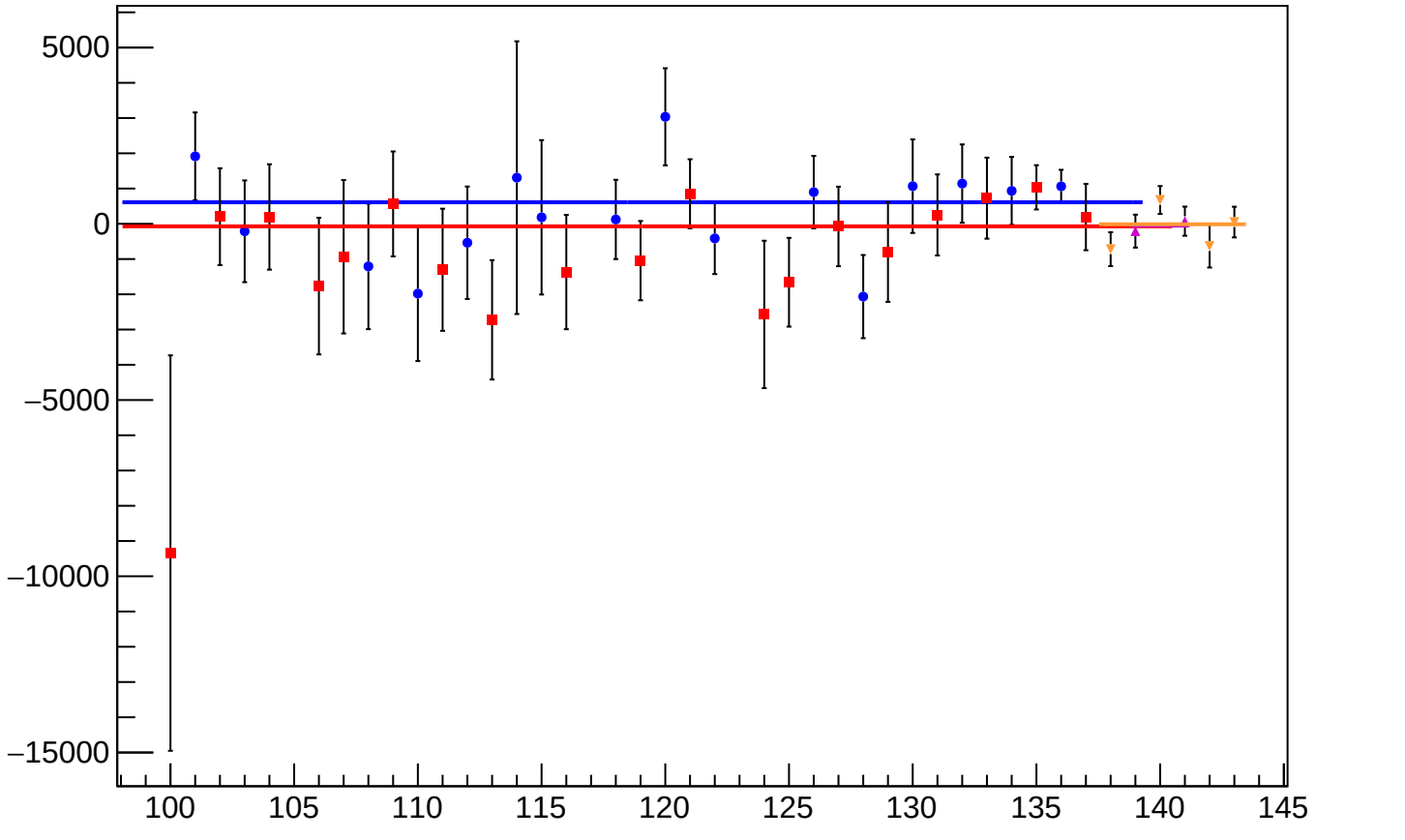
Left: 64.926+/-0.021 χ^2/NDF: 1984.0/5

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 76.786+/-0.019 χ^2/NDF:808438.6/17

Out: 75.617+/-0.017 χ^2/NDF:1008025.8/22

All: 76.151+/-0.013 χ^2/NDF: 1818603.1/40



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: -13.594+/-231.396 χ^2/NDF:6.2/3

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: -26.434+/-185.370 χ^2/NDF: 6.4/5

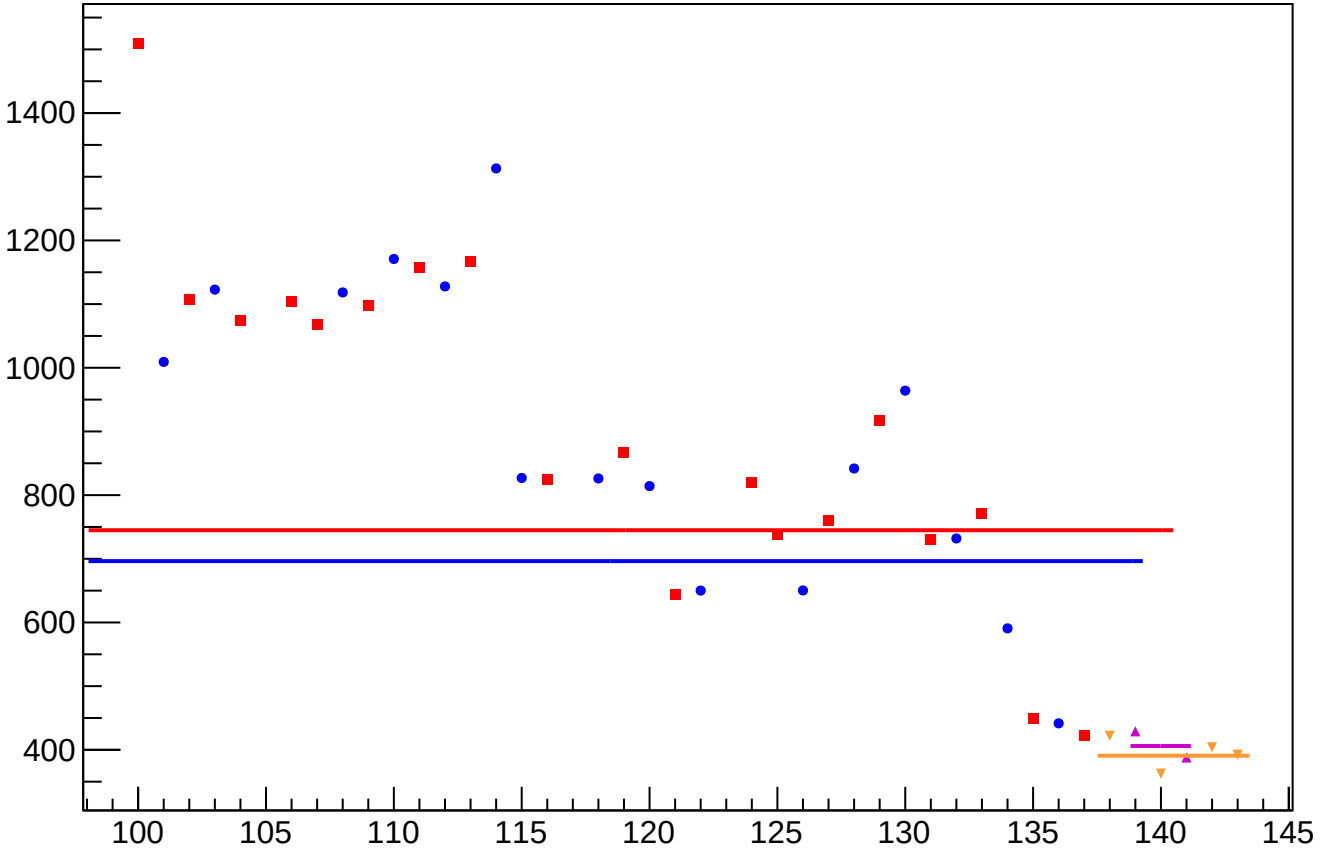
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 320.705+/-205.207 χ^2/NDF:18.5/17

Out: -36.743+/-180.097 χ^2/NDF:22.4/22

All: 118.784+/-135.360 χ^2/NDF: 42.7/40

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: 390.766+/-0.164 χ^2/NDF:19569.3/3

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: 396.212+/-0.131 χ^2/NDF: 31334.7/5

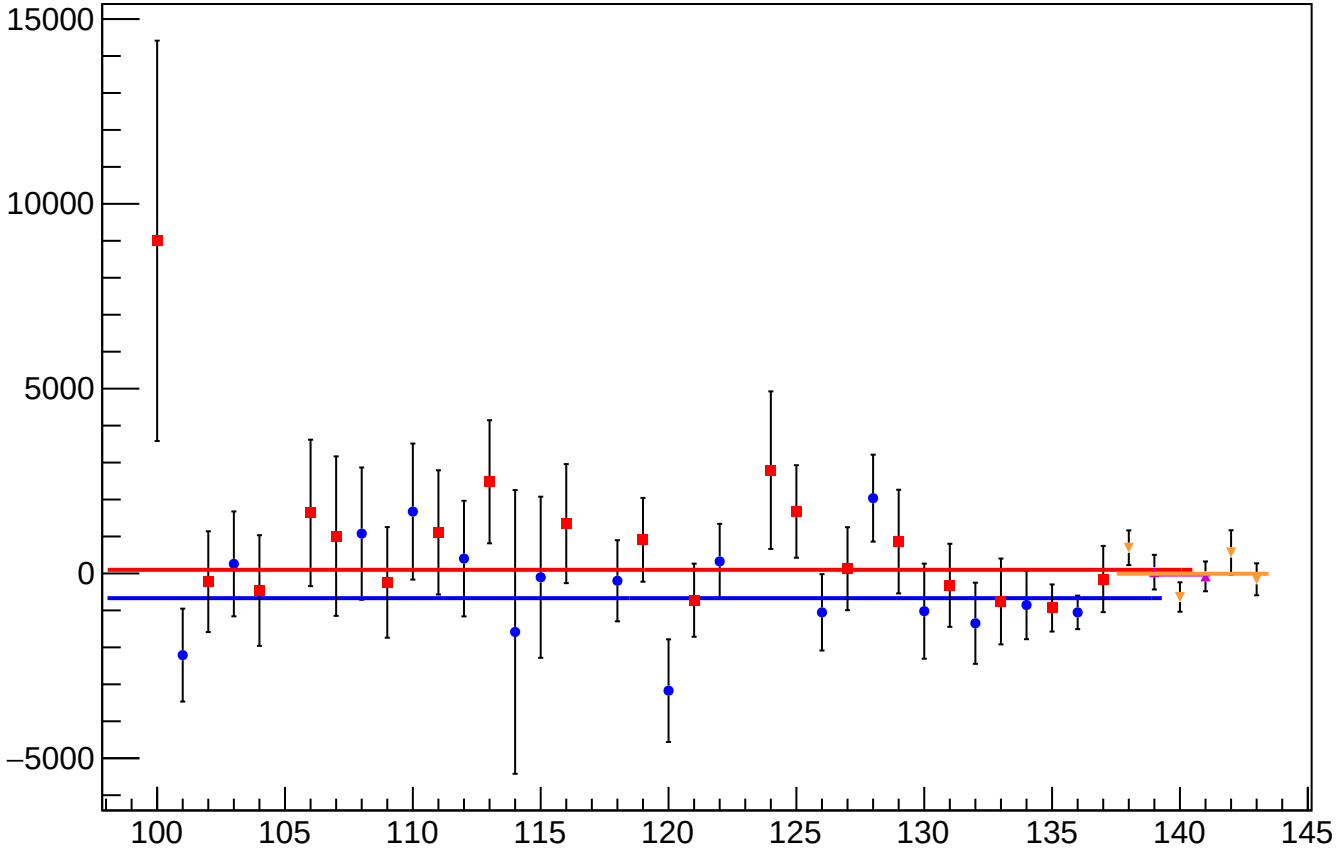
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 568.876+/-0.145 χ^2/NDF:2510587.6/17

Out: 530.370+/-0.127 χ^2/NDF:3364432.6/22

All: 547.124+/-0.096 χ^2/NDF: 5914800.1/40

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -8.390+/-229.646 χ^2/NDF:5.8/3

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: -16.442+/-183.597 χ^2/NDF: 5.8/5

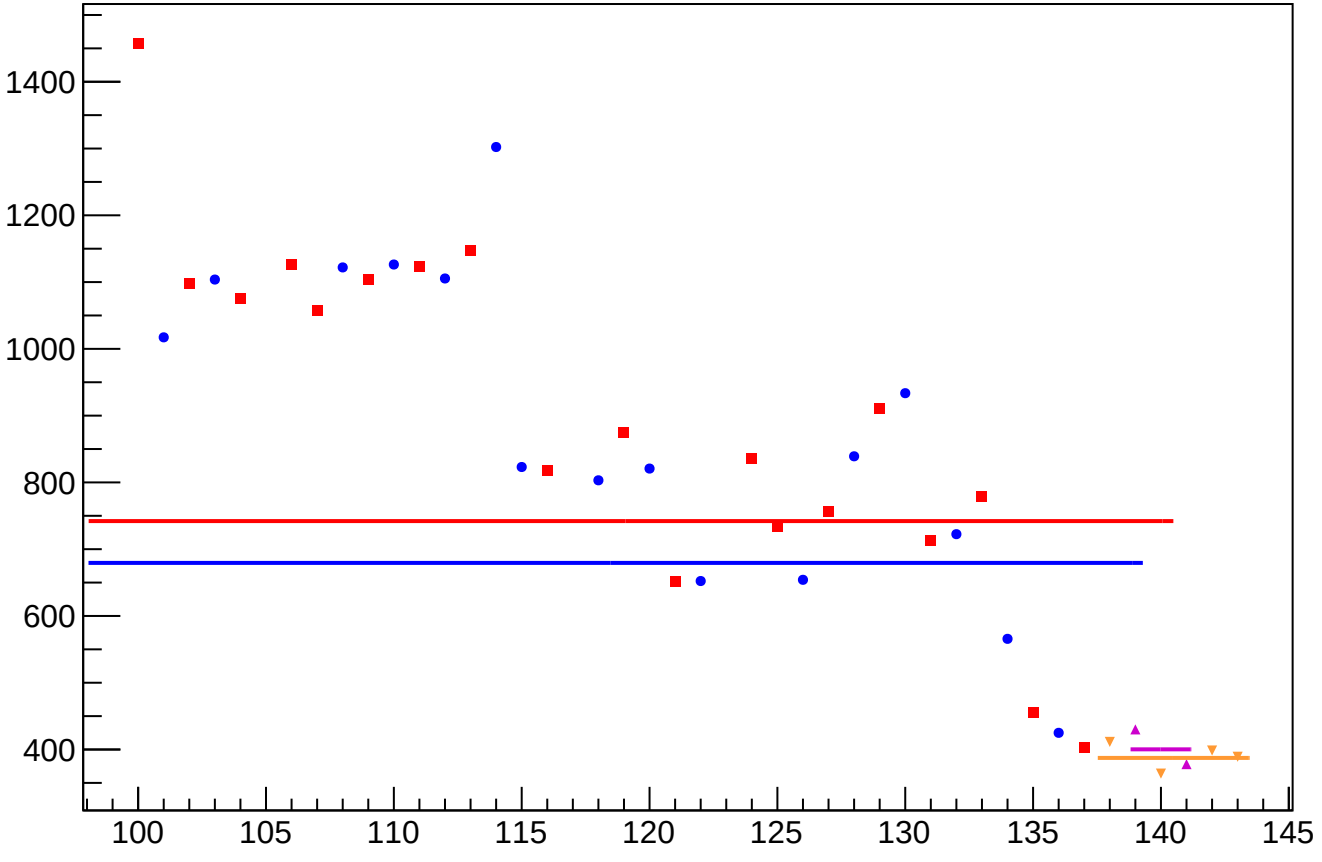
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -390.745+/-201.698 χ^2/NDF:18.6/17

Out: 33.337+/-179.036 χ^2/NDF:20.7/22

All: -153.551+/-133.896 χ^2/NDF: 41.8/40

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 387.416+/-0.162 χ^2/NDF:12898.4/3

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 400.249+/-0.216 χ^2/NDF:14162.2/1

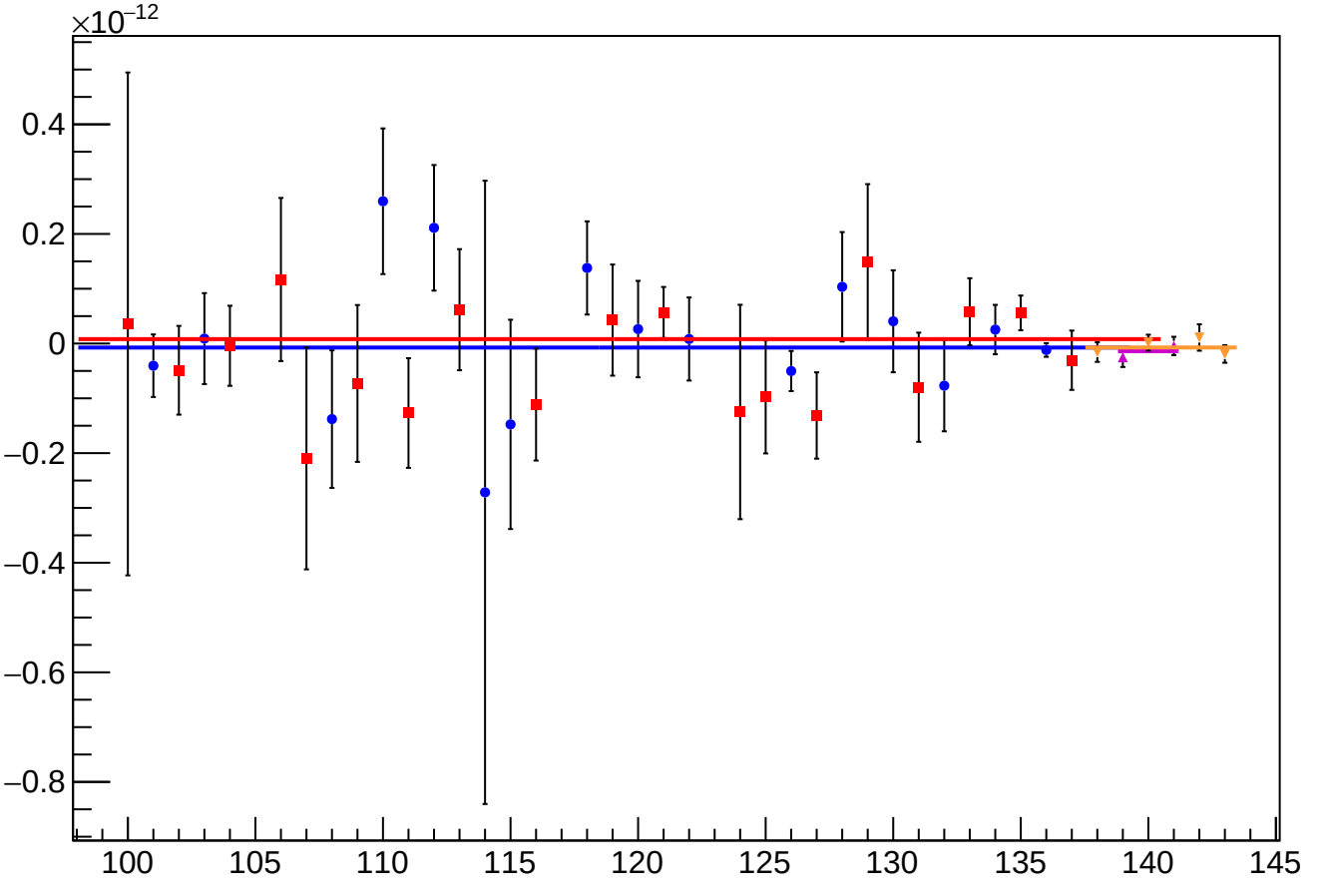
Left: 392.047+/-0.130 χ^2/NDF: 29314.2/5

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 557.870+/-0.143 χ^2/NDF:2557344.1/17

Out: 526.515+/-0.127 χ^2/NDF:3388204.6/22

All: 540.333+/-0.095 χ^2/NDF: 5972581.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

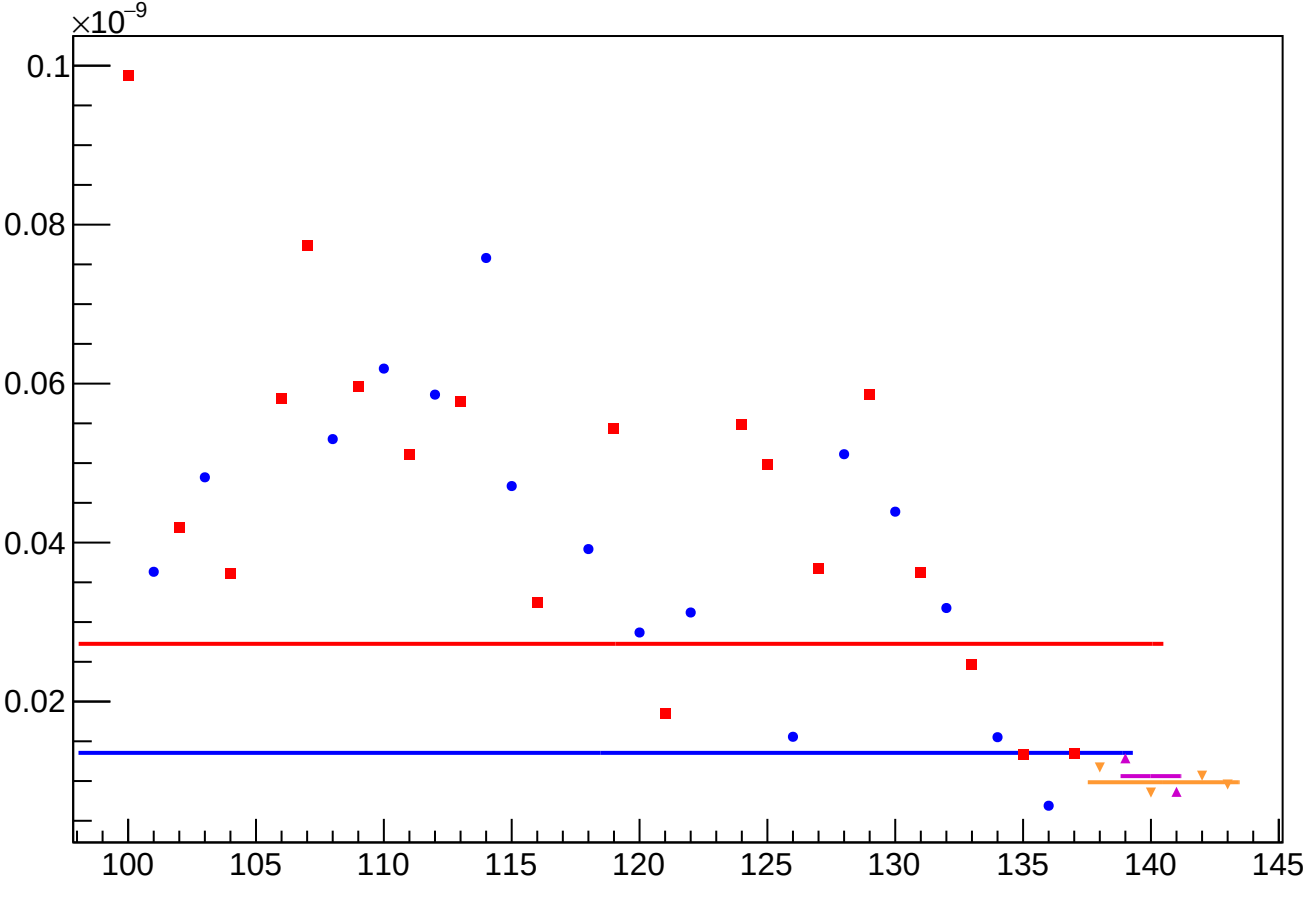
Left: -0.000+/-0.000 χ^2/NDF: 2.6/5

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:19.3/22

All: -0.000+/-0.000 χ^2/NDF: 37.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:40675.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:59620.1/1

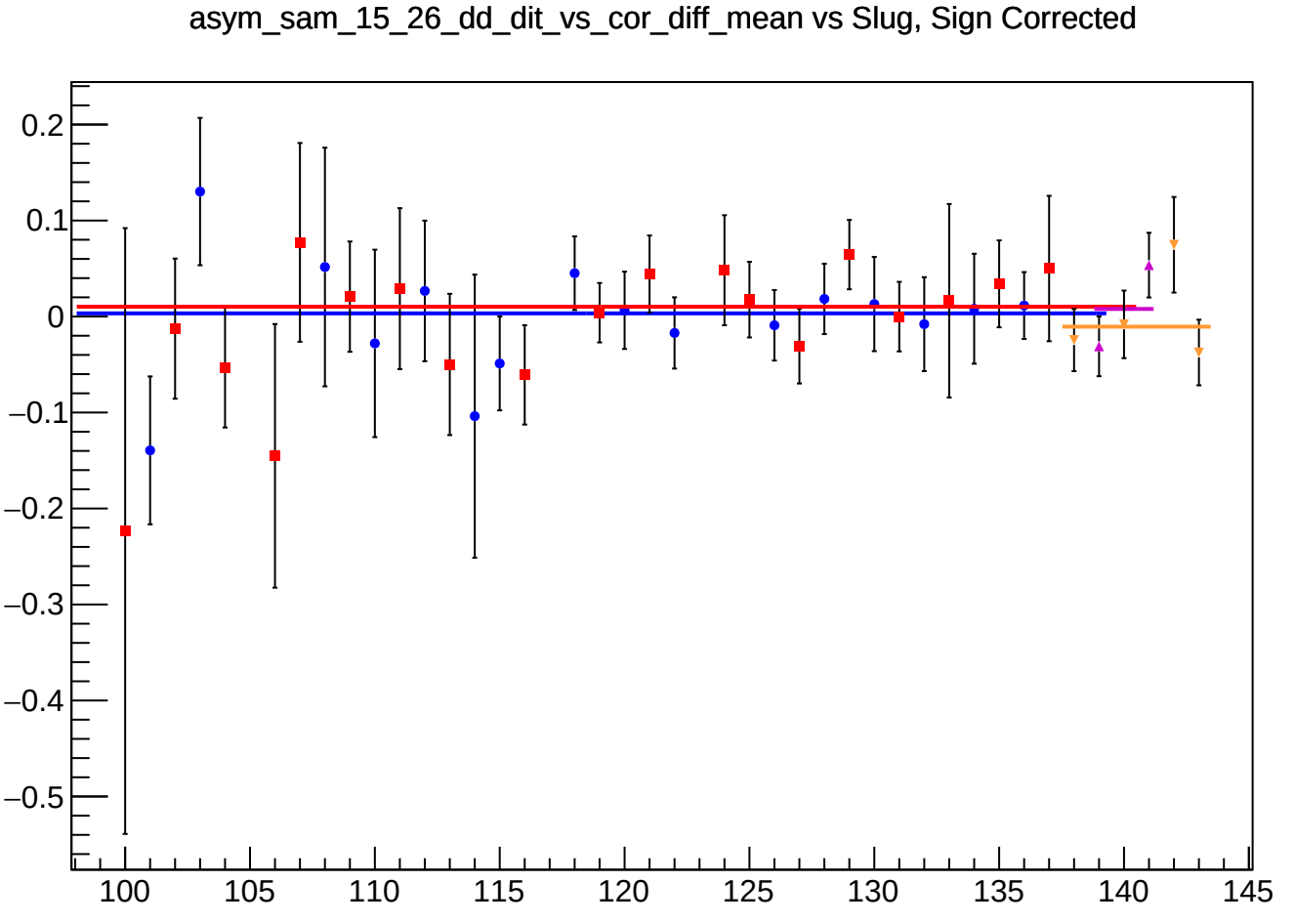
Left: 0.000+/-0.000 χ^2/NDF: 105633.2/5

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:3398340.7/22

All: 0.000+/-0.000 χ^2/NDF: 6585673.6/40



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

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: -0.003+/-0.014 χ^2/NDF: 7.5/5

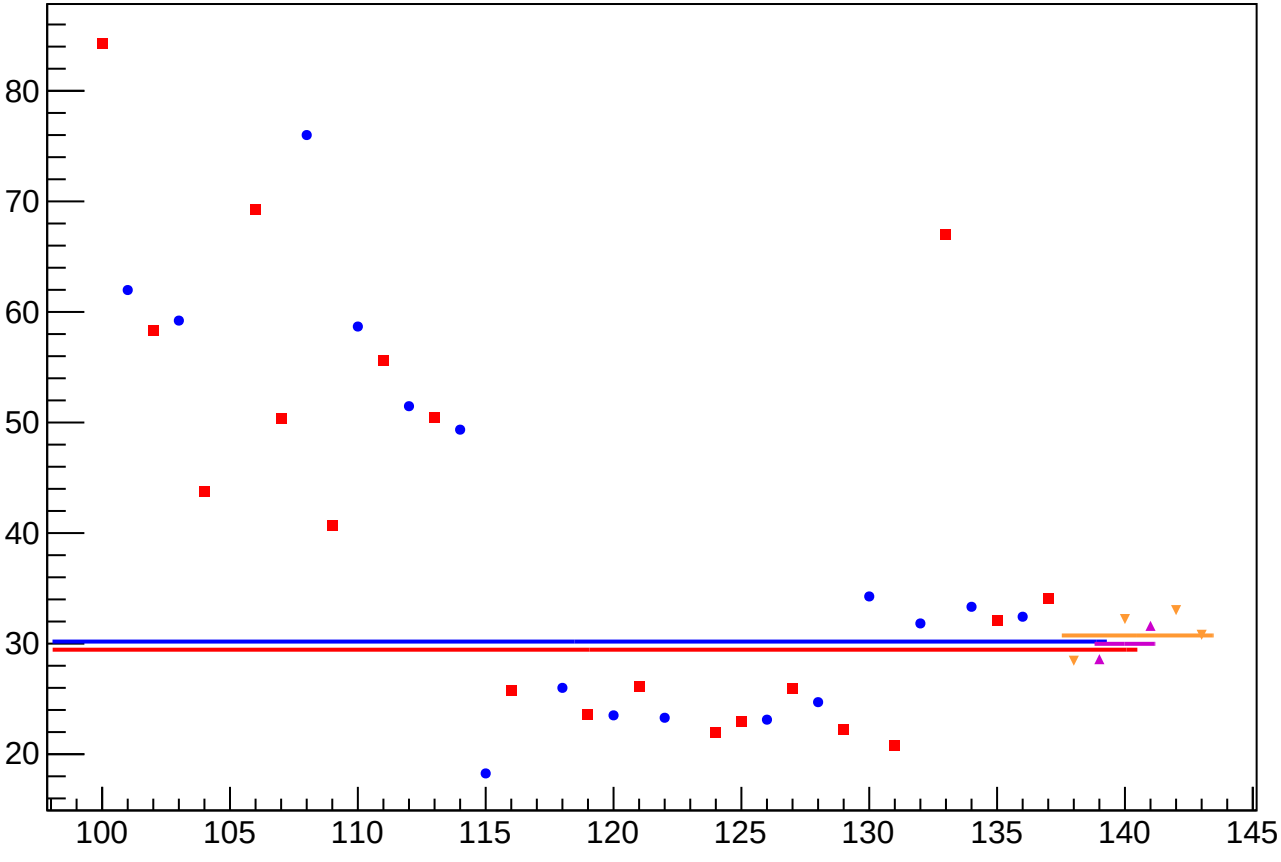
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.004+/-0.007 χ^2/NDF: 29.4/40

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.739+/-0.013 χ^2/NDF:17718.4/3

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.983+/-0.016 χ^2/NDF:8620.5/1

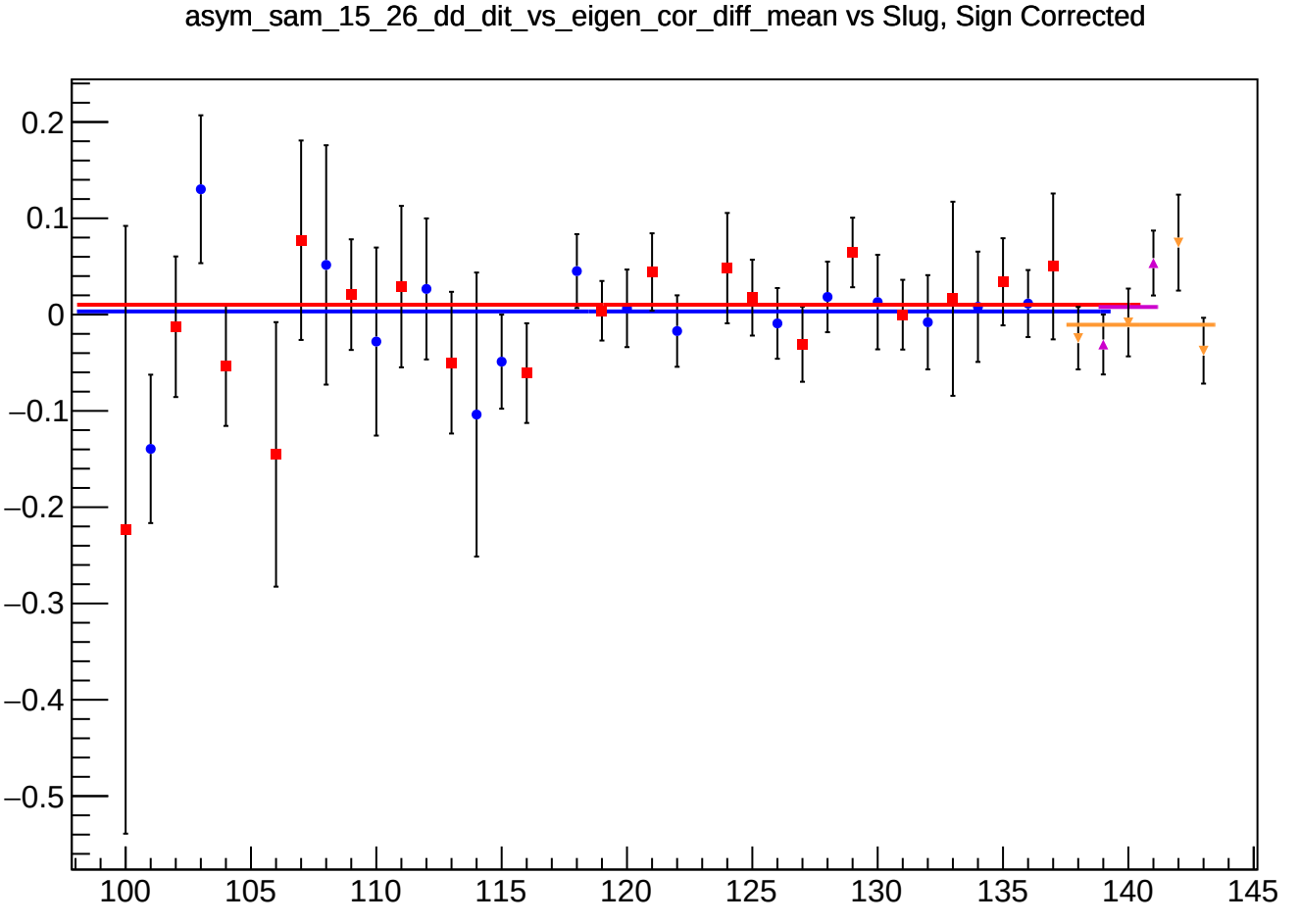
Left: 30.446+/-0.010 χ^2/NDF: 27675.3/5

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.141+/-0.008 χ^2/NDF:1696117.1/17

Out: 29.833+/-0.007 χ^2/NDF:1873389.5/22

All: 29.974+/-0.005 χ^2/NDF: 3570388.9/40



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.008+/-0.023 χ^2/NDF:3.4/1

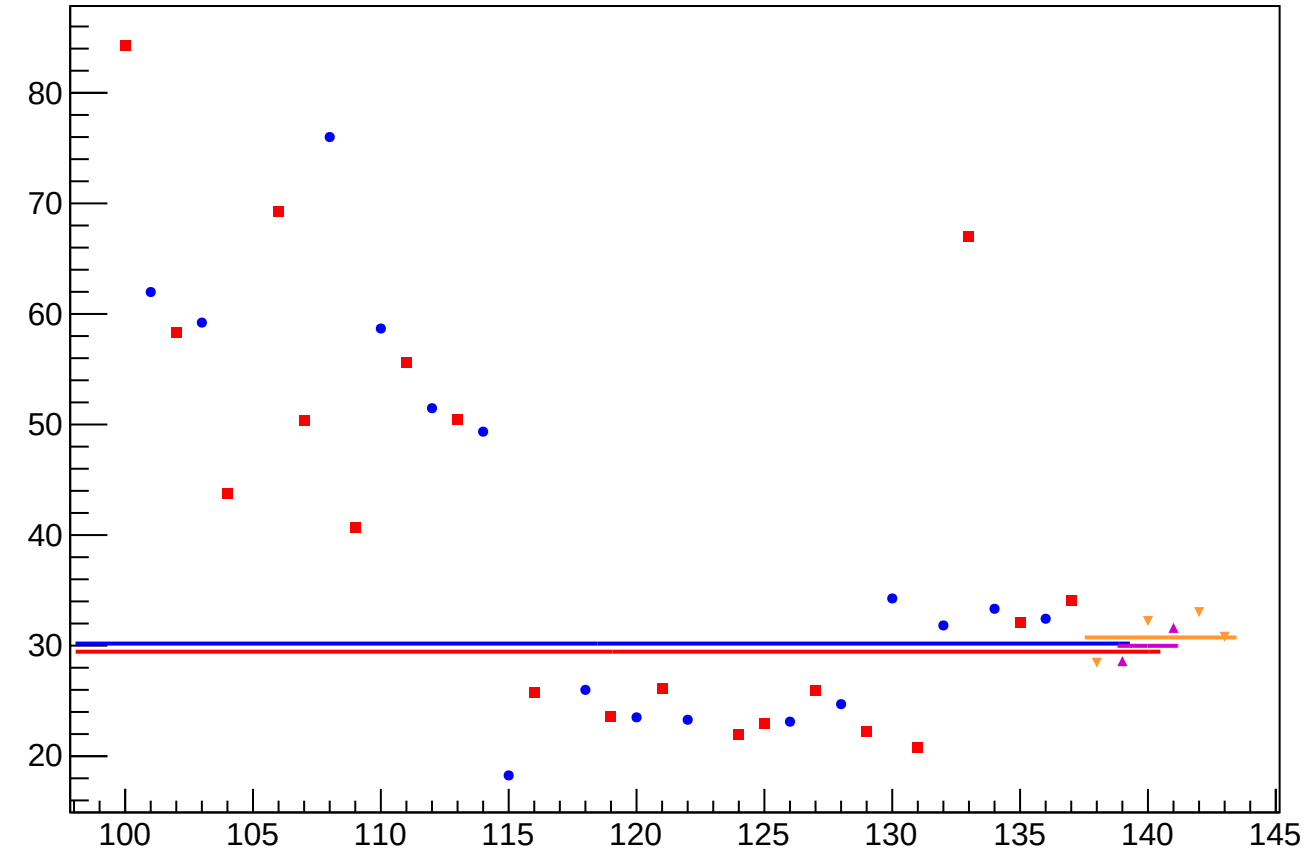
Left: -0.003+/-0.014 χ^2/NDF: 7.5/5

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.004+/-0.007 χ^2/NDF: 29.4/40



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.739+/-0.013 χ^2/NDF:17718.4/3

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: 30.446+/-0.010 χ^2/NDF: 27675.3/5

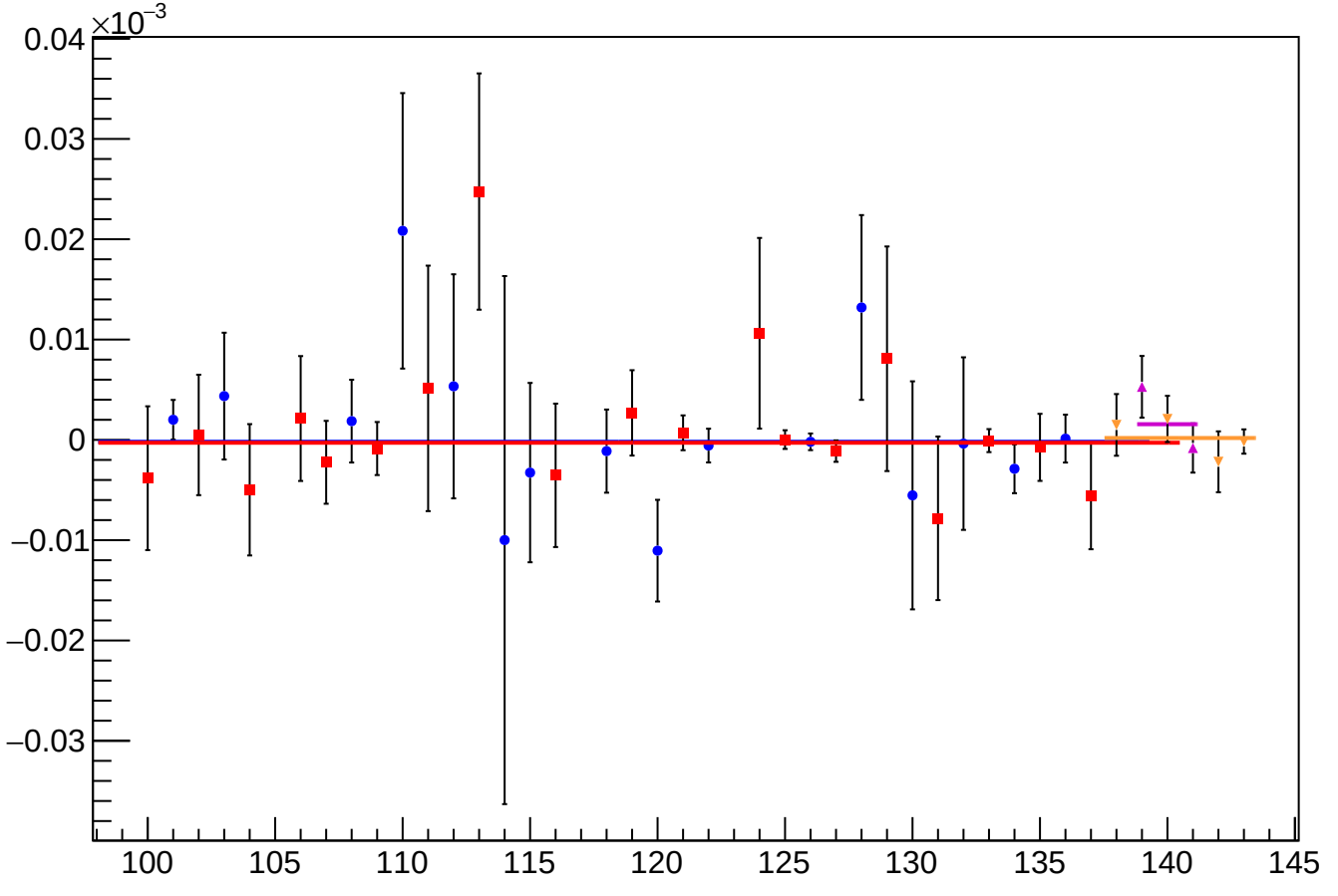
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.141+/-0.008 χ^2/NDF:1696117.1/17

Out: 29.833+/-0.007 χ^2/NDF:1873389.5/22

All: 29.974+/-0.005 χ^2/NDF: 3570388.9/40

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/1

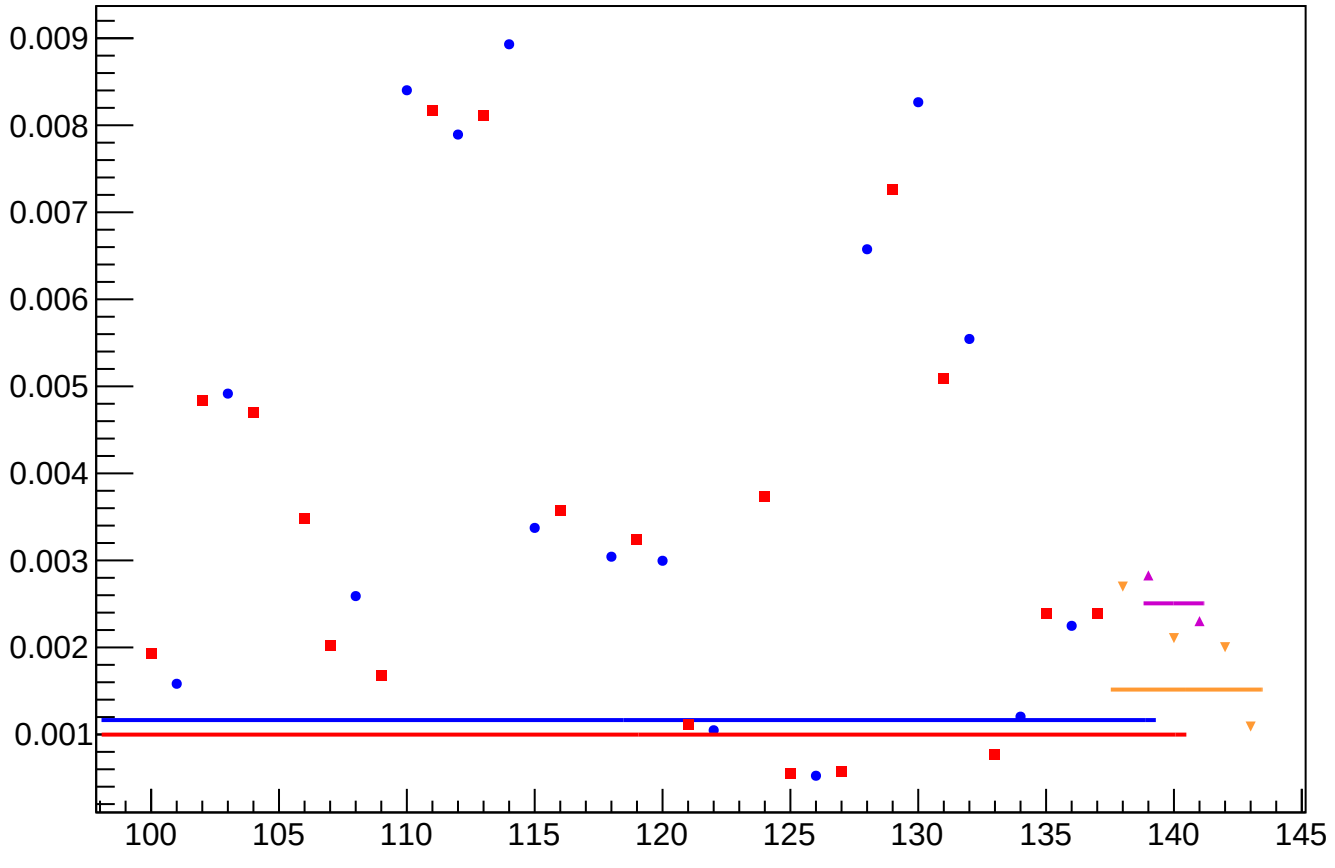
Left: 0.000+/-0.000 χ^2/NDF: 4.4/5

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:13.2/22

All: -0.000+/-0.000 χ^2/NDF: 29.5/40



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:725380.1/3

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.003+/-0.000 χ^2/NDF:35626.7/1

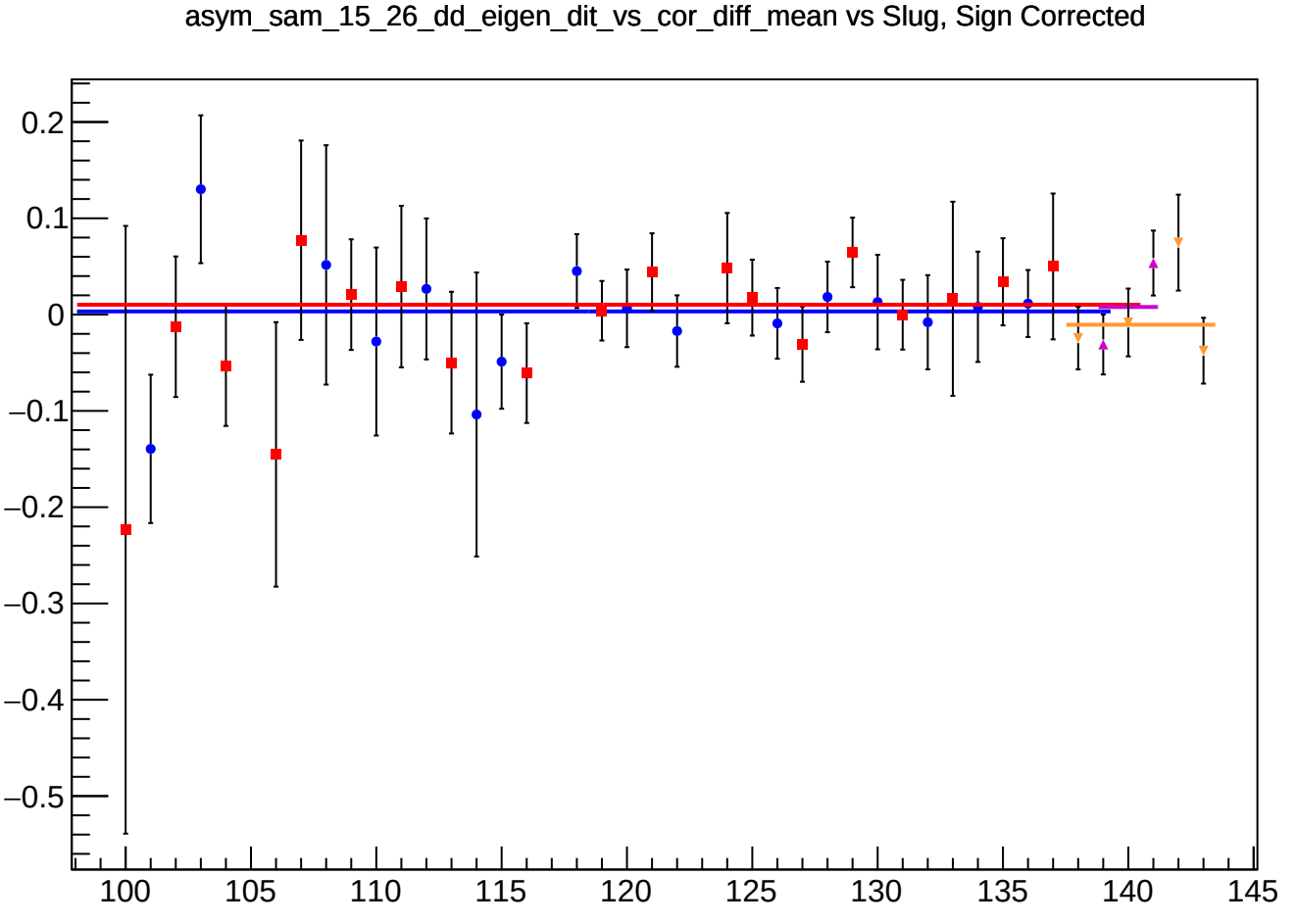
Left: 0.002+/-0.000 χ^2/NDF: 1187513.8/5

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:8110581.1/22

All: 0.001+/-0.000 χ^2/NDF: 16023600.8/40



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.011+/-0.018 χ^2/NDF:3.7/3

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.008+/-0.023 χ^2/NDF:3.4/1

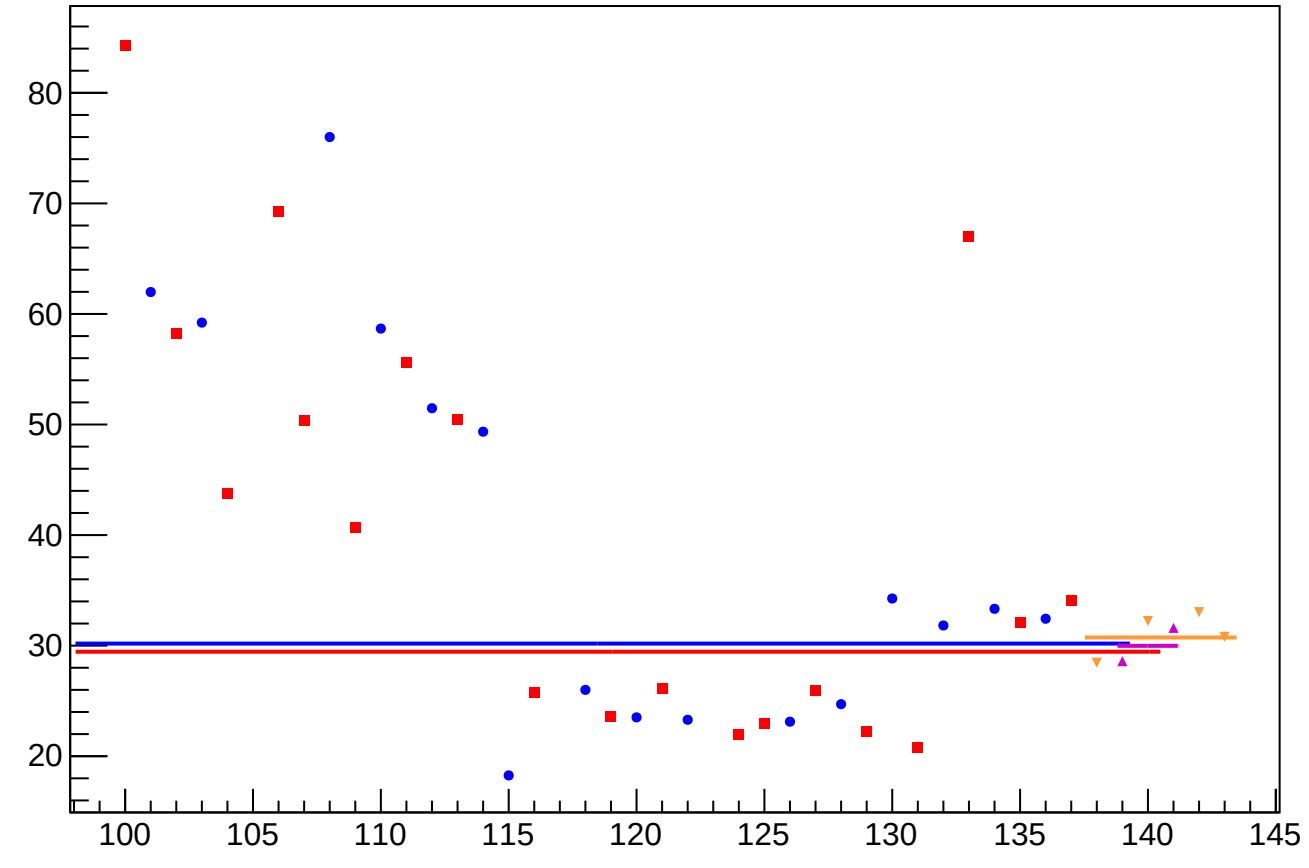
Left: -0.003+/-0.014 χ^2/NDF: 7.5/5

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.004+/-0.011 χ^2/NDF:13.5/17

Out: 0.004+/-0.010 χ^2/NDF:15.9/22

All: 0.004+/-0.007 χ^2/NDF: 29.4/40



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.739+/-0.013 χ^2/NDF:17717.9/3

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.984+/-0.016 χ^2/NDF:8624.0/1

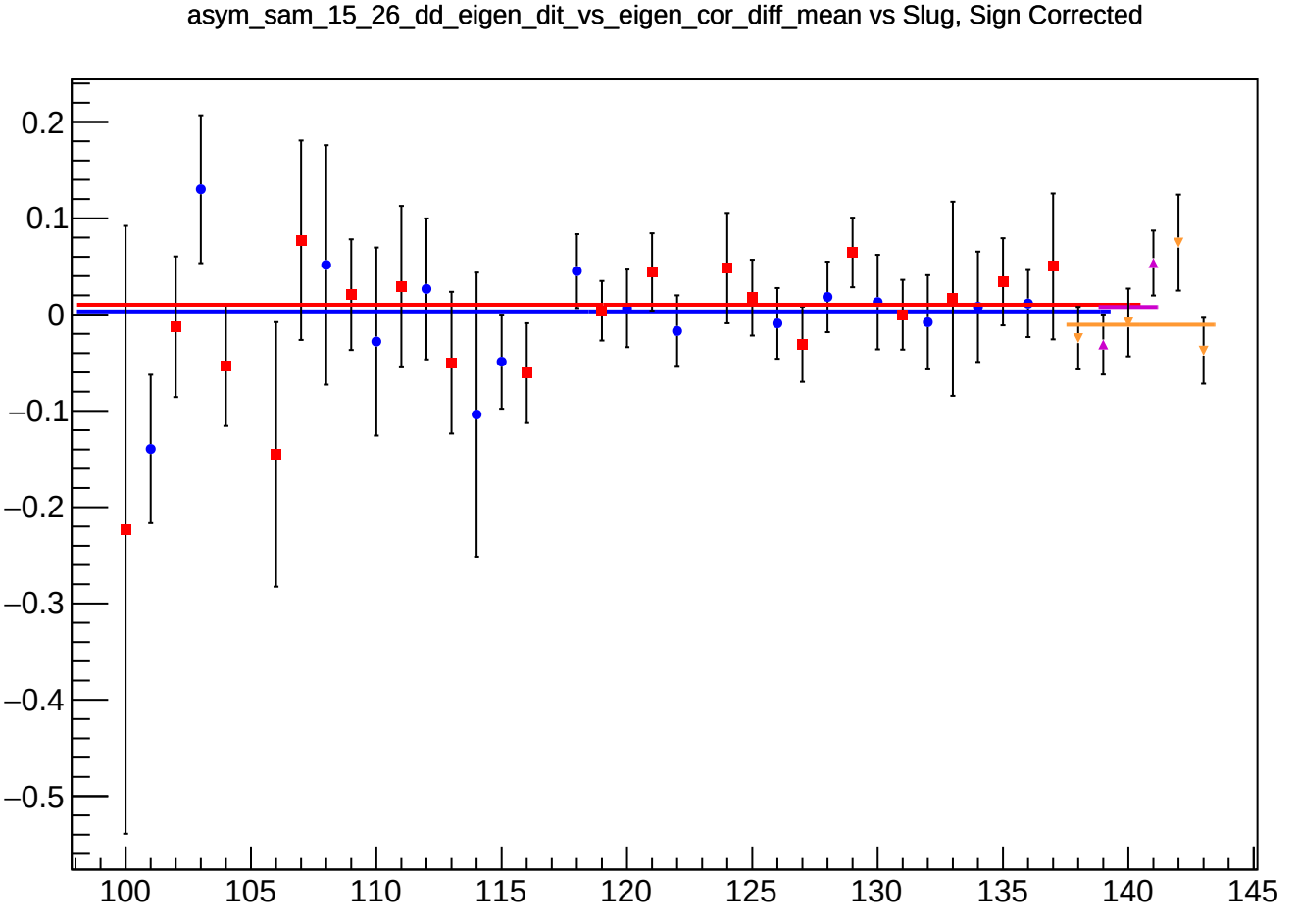
Left: 30.446+/-0.010 χ^2/NDF: 27677.2/5

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

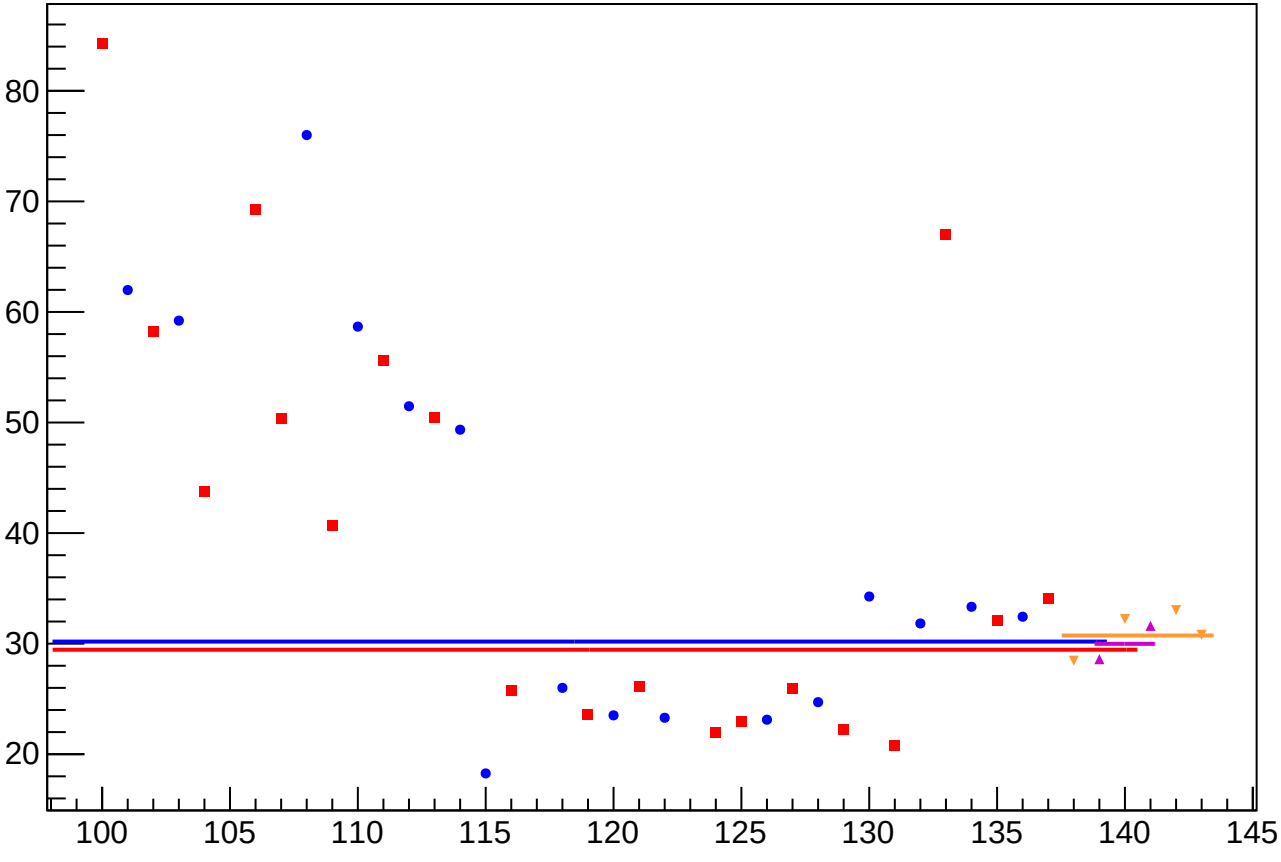
In: 30.141+/-0.008 χ^2/NDF:1695934.7/17

Out: 29.833+/-0.007 χ^2/NDF:1873395.1/22

All: 29.973+/-0.005 χ^2/NDF: 3570215.0/40


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
105
110
115
120
125
130
135
140
145
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.011+/-0.018 χ²/NDF:3.7/3
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.008+/-0.023 χ²/NDF:3.4/1
Left: -0.003+/-0.014 χ²/NDF: 7.5/5
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.004+/-0.011 χ²/NDF:13.5/17
Out: 0.004+/-0.010 χ²/NDF:15.9/22
All: 0.004+/-0.007 χ²/NDF: 29.4/40

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: 30.739+/-0.013 χ^2/NDF:17717.9/3

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.984+/-0.016 χ^2/NDF:8624.0/1

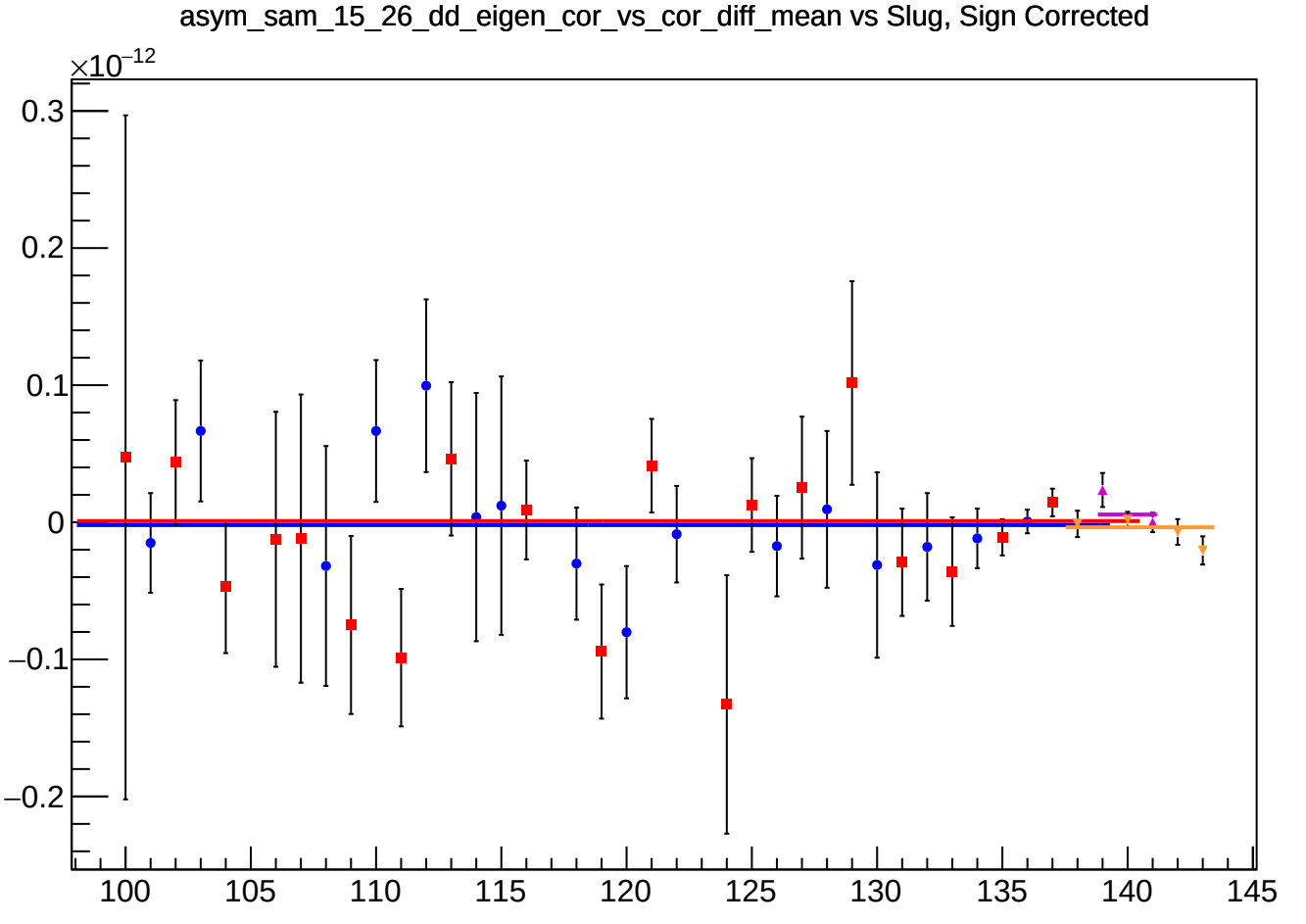
Left: 30.446+/-0.010 χ^2/NDF: 27677.2/5

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.141+/-0.008 χ^2/NDF:1695934.7/17

Out: 29.833+/-0.007 χ^2/NDF:1873395.1/22

All: 29.973+/-0.005 χ^2/NDF: 3570215.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/1

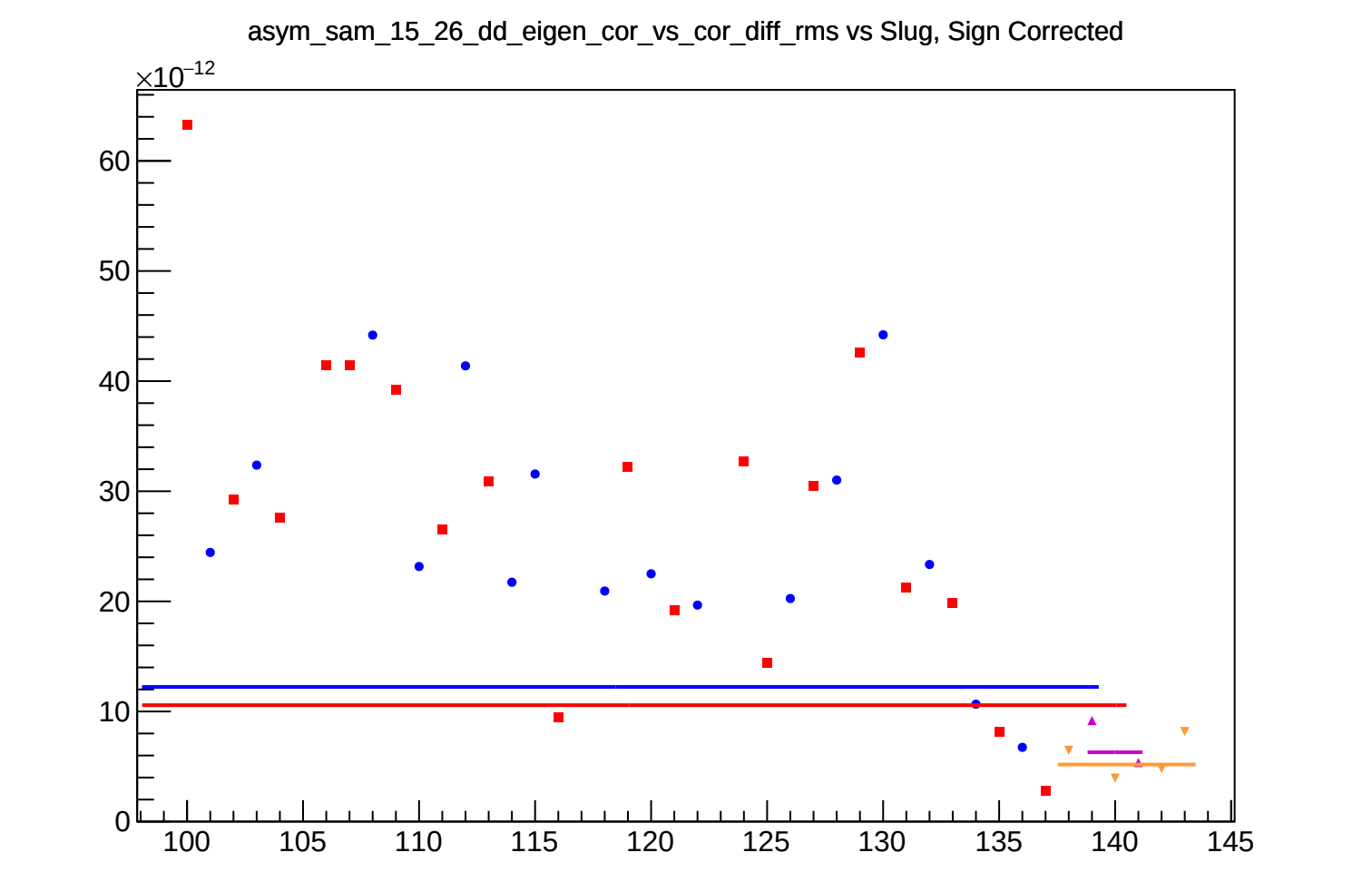
Left: -0.000+/-0.000 χ^2/NDF: 8.2/5

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:25.6/22

All: -0.000+/-0.000 χ^2/NDF: 40.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:302470.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:142906.6/1

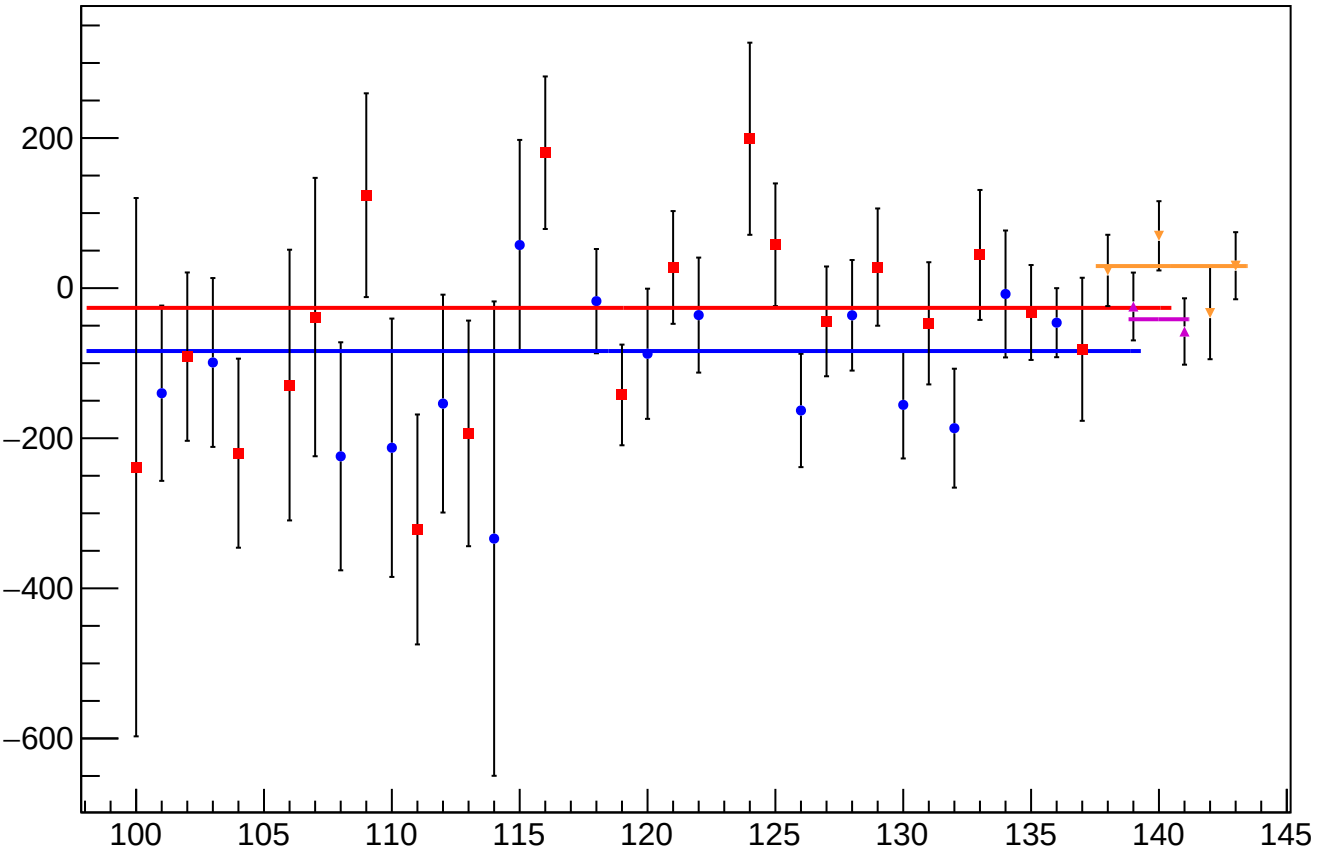
Left: 0.000+/-0.000 χ^2/NDF: 491704.9/5

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:4416944.3/17

Out: 0.000+/-0.000 χ^2/NDF:6035162.1/22

All: 0.000+/-0.000 χ^2/NDF: 10787059.5/40



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

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: 2.925+/-19.320 χ^2/NDF: 5.2/5

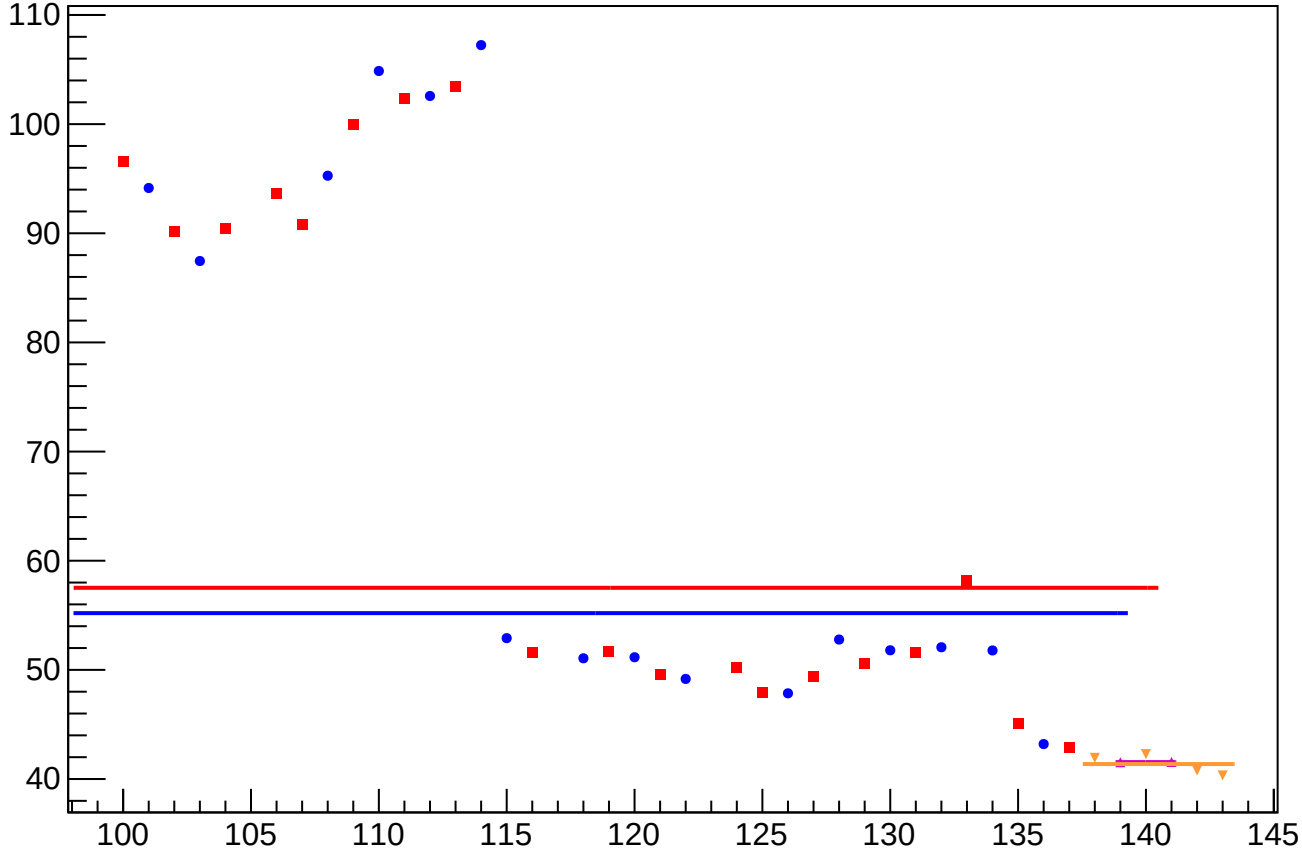
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -70.464+/-17.739 χ^2/NDF:12.1/17

Out: -1.249+/-16.370 χ^2/NDF:27.7/22

All: -33.084+/-12.030 χ^2/NDF: 47.9/40

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

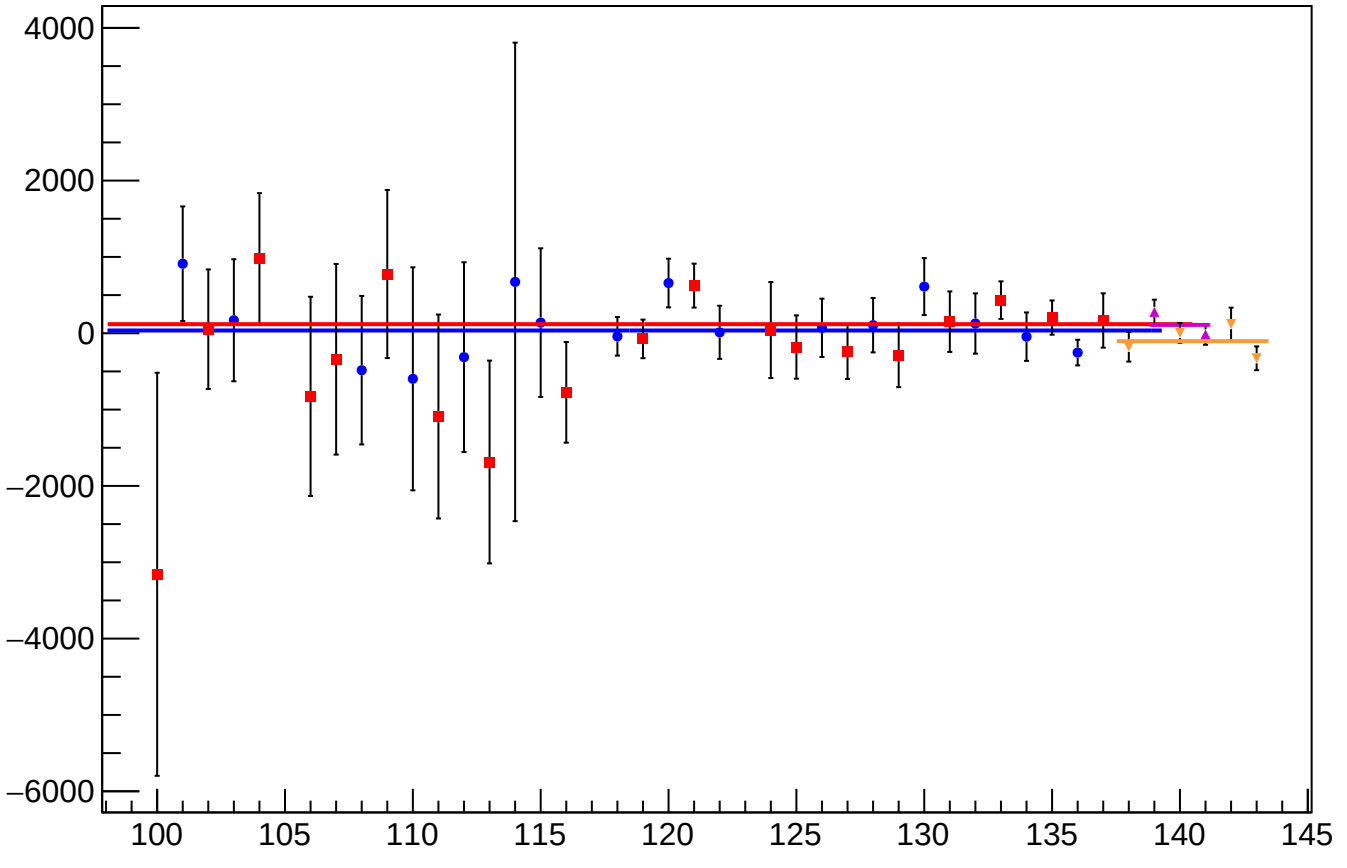
Left: 41.438+/-0.014 χ^2/NDF: 2373.1/5

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 50.898+/-0.013 χ^2/NDF:1408022.4/17

Out: 50.258+/-0.012 χ^2/NDF:1765723.5/22

All: 50.552+/-0.009 χ^2/NDF: 3175150.5/40



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.311+/-82.096 χ^2/NDF:4.0/3

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 109.626+/-103.683 χ^2/NDF:2.0/1

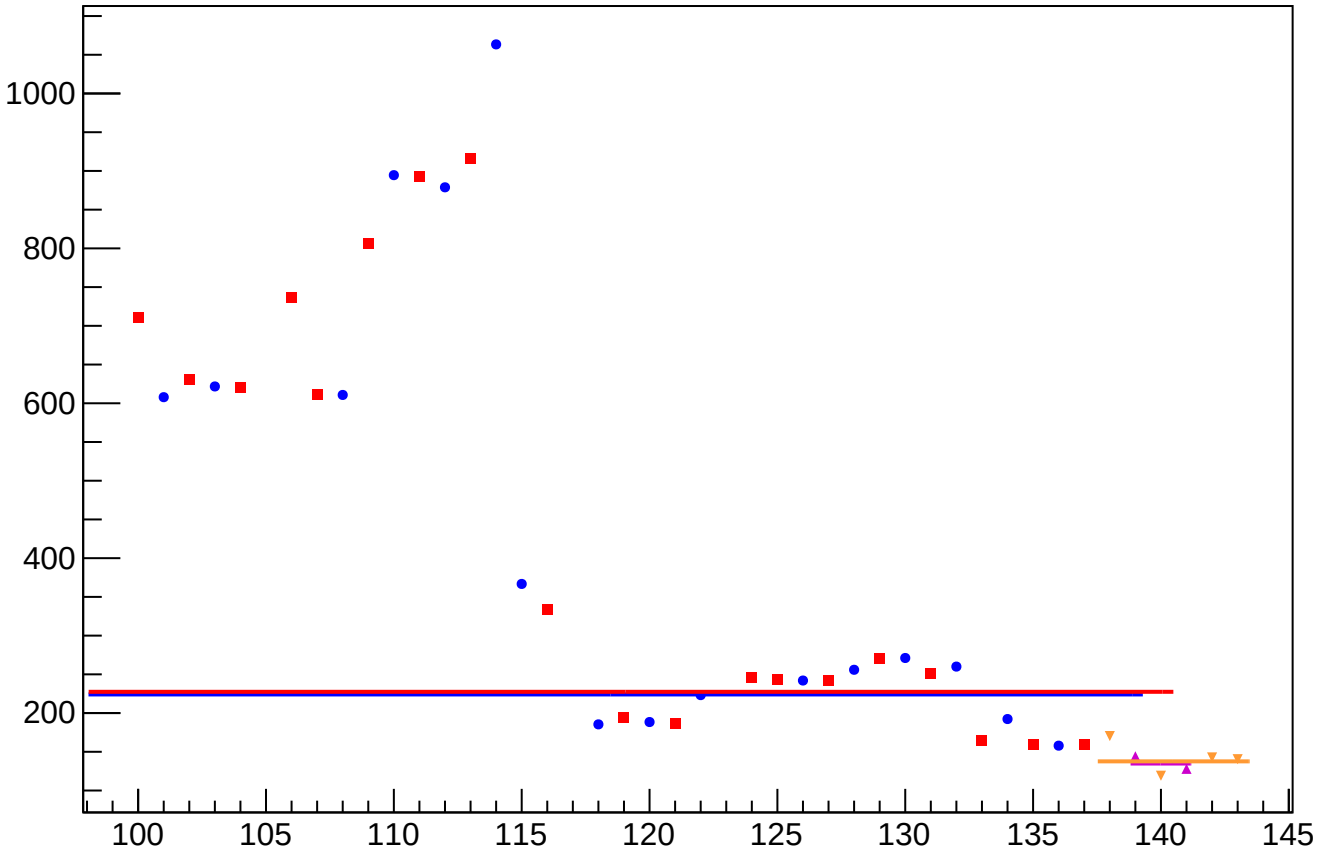
Left: -21.256+/-64.363 χ^2/NDF: 8.6/5

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 69.225+/-69.462 χ^2/NDF:13.7/17

Out: -9.148+/-62.347 χ^2/NDF:23.1/22

All: 25.821+/-46.398 χ^2/NDF: 37.5/40



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 137.638+/-0.058 χ^2/NDF:99110.4/3

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

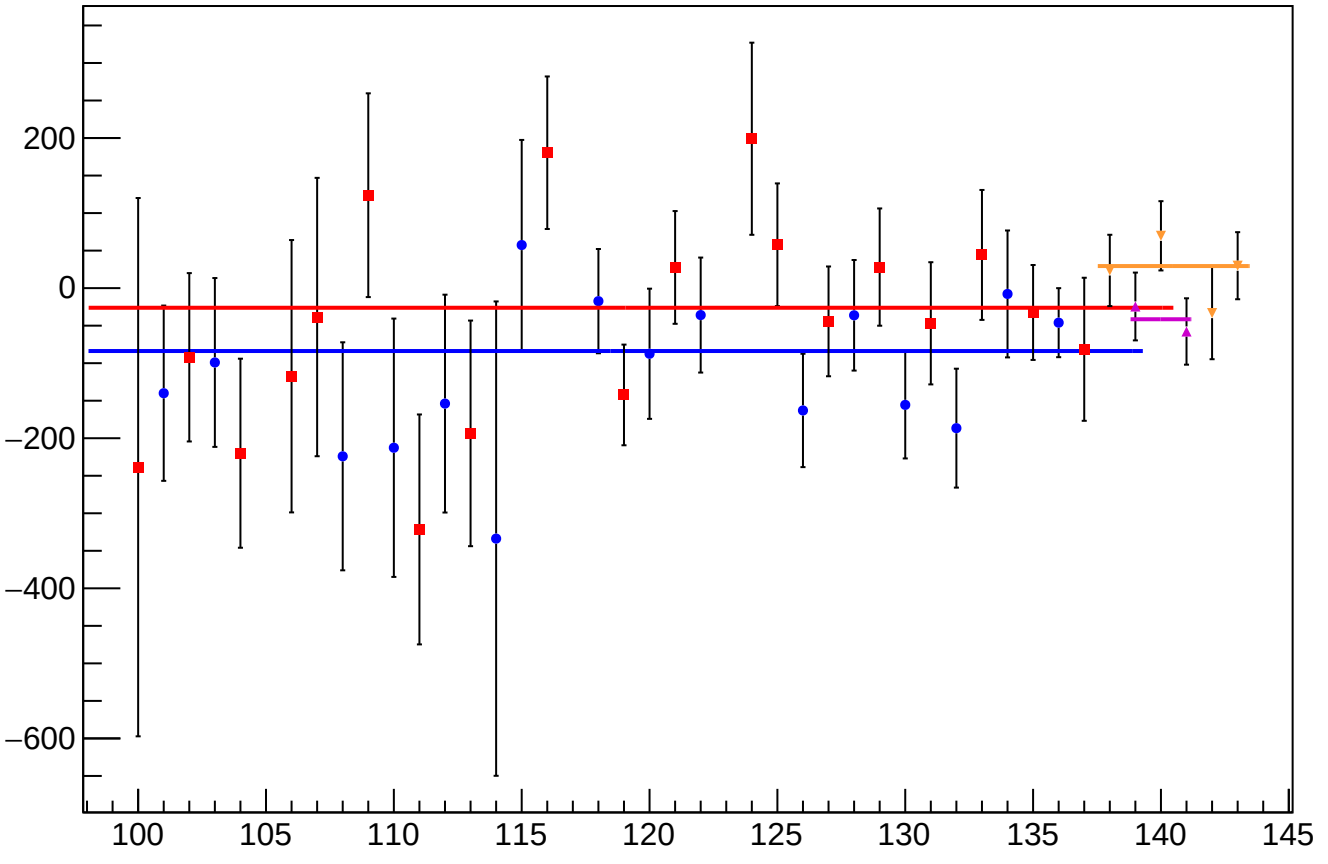
Left: 136.556+/-0.046 χ^2/NDF: 111913.2/5

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 184.001+/-0.049 χ^2/NDF:3796074.3/17

Out: 175.651+/-0.044 χ^2/NDF:4752862.2/22

All: 179.376+/-0.033 χ^2/NDF: 8564940.3/40



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.414+/-24.413 χ^2/NDF:1.8/3

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -41.466+/-31.601 χ^2/NDF:0.3/1

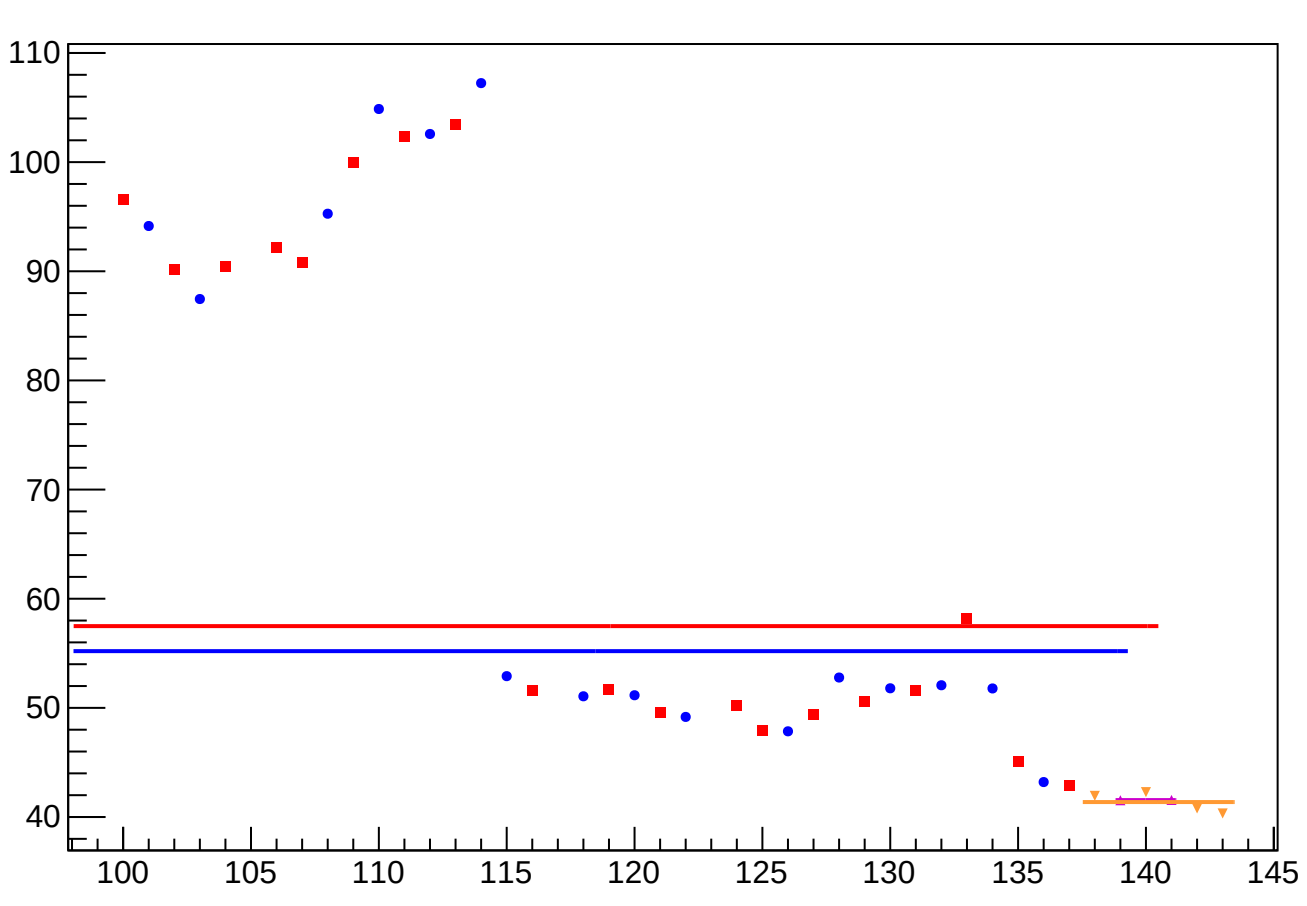
Left: 2.923+/-19.320 χ^2/NDF: 5.2/5

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -70.464+/-17.739 χ^2/NDF:12.1/17

Out: -1.159+/-16.371 χ^2/NDF:27.6/22

All: -33.037+/-12.031 χ^2/NDF: 47.9/40



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

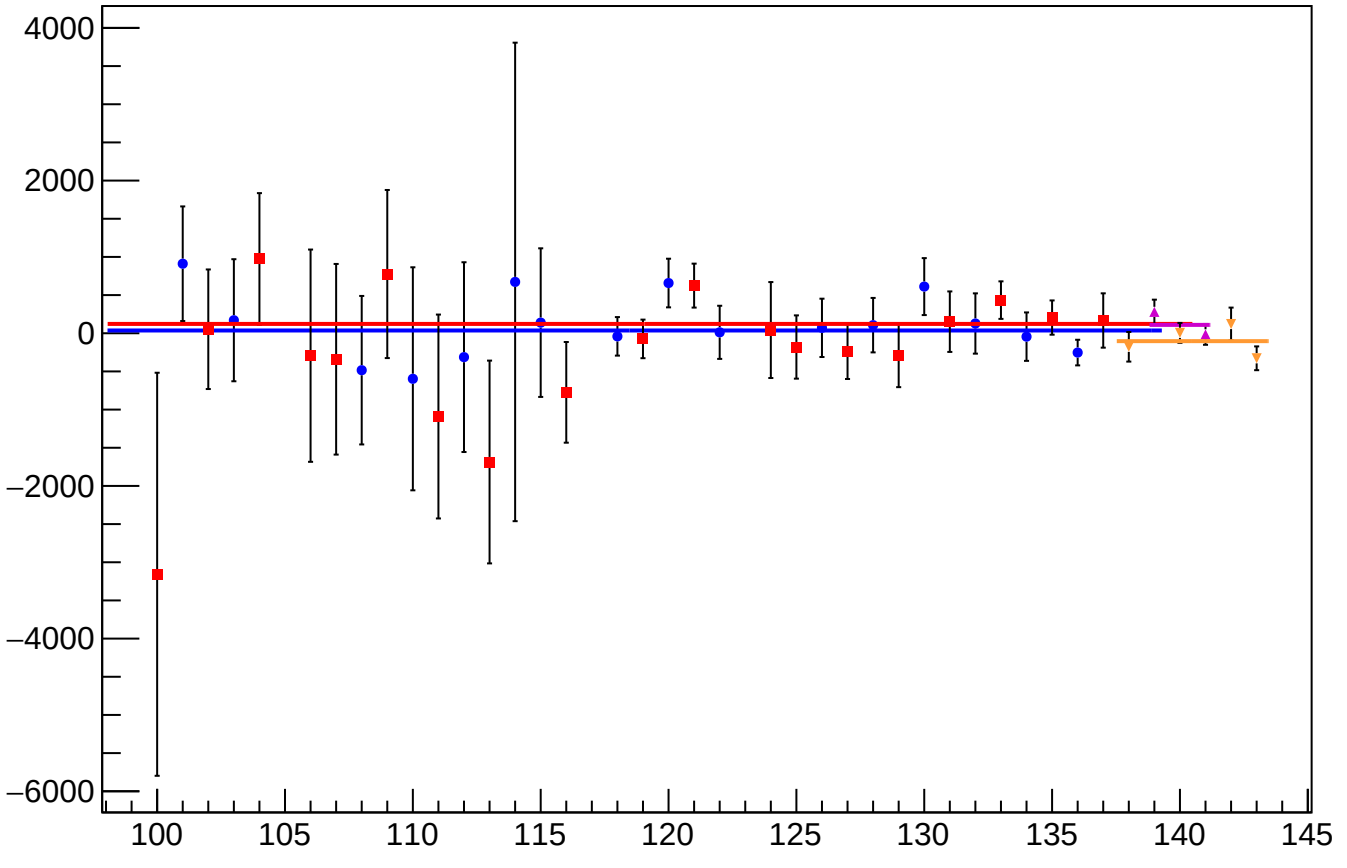
Left: 41.438+/-0.014 χ^2/NDF: 2373.1/5

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 50.898+/-0.013 χ^2/NDF:1408022.6/17

Out: 50.241+/-0.012 χ^2/NDF:1756556.0/22

All: 50.543+/-0.009 χ^2/NDF: 3166057.4/40



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.308+/-82.096 χ^2/NDF:4.0/3

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 109.626+/-103.683 χ^2/NDF:2.0/1

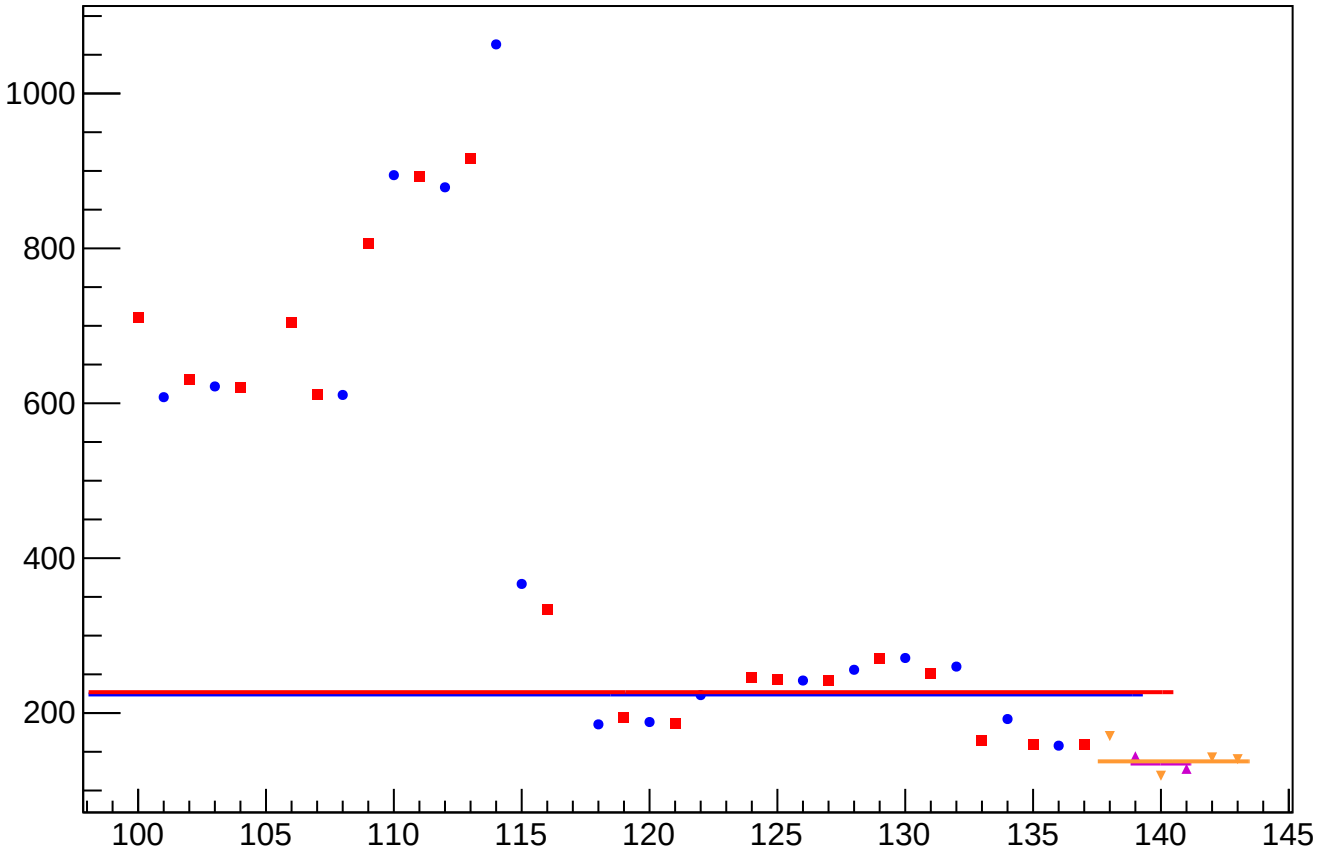
Left: -21.254+/-64.363 χ^2/NDF: 8.6/5

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 69.226+/-69.462 χ^2/NDF:13.7/17

Out: -7.860+/-62.356 χ^2/NDF:22.8/22

All: 26.539+/-46.402 χ^2/NDF: 37.1/40



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 137.638+/-0.058 χ^2/NDF:99109.2/3

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

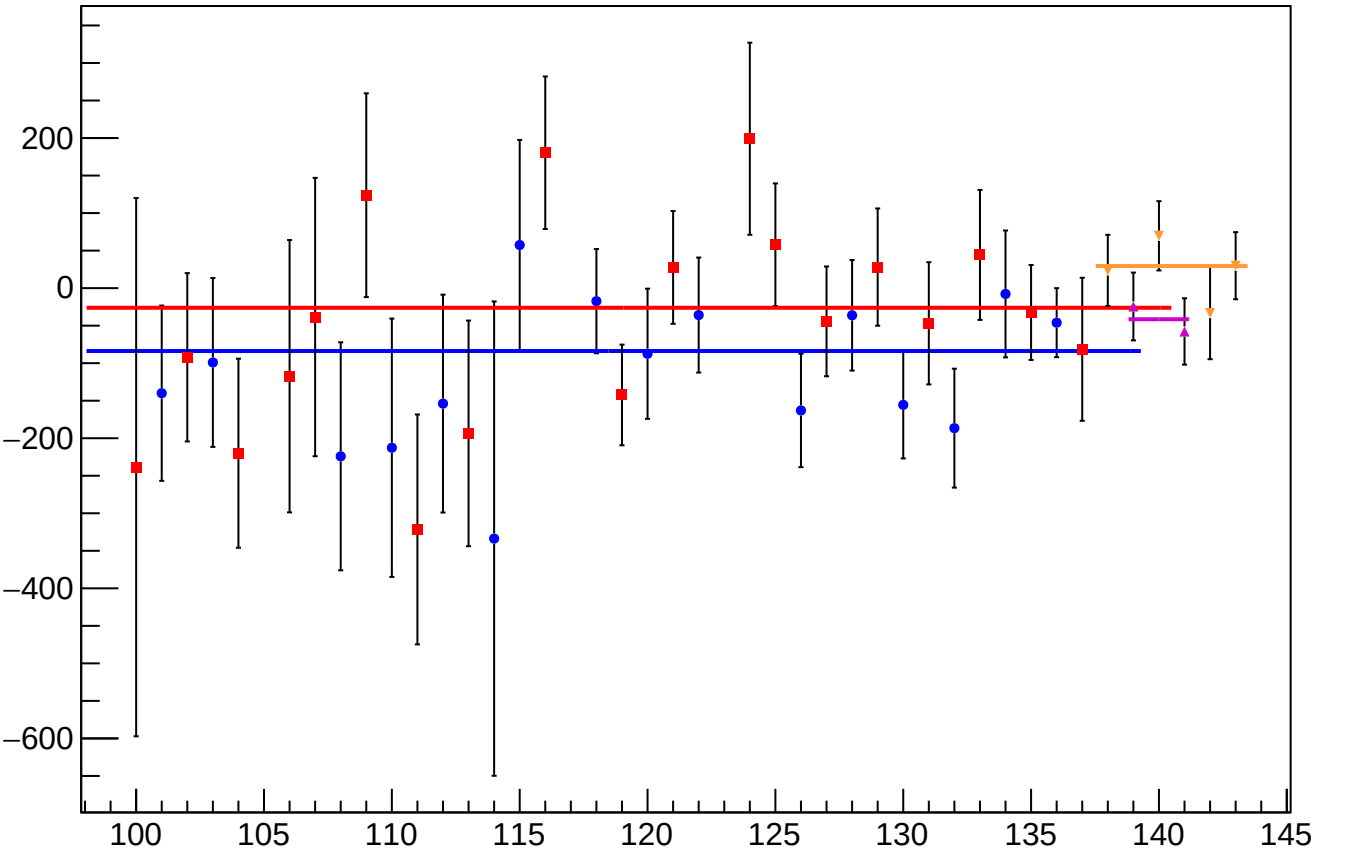
Left: 136.556+/-0.046 χ^2/NDF: 111912.1/5

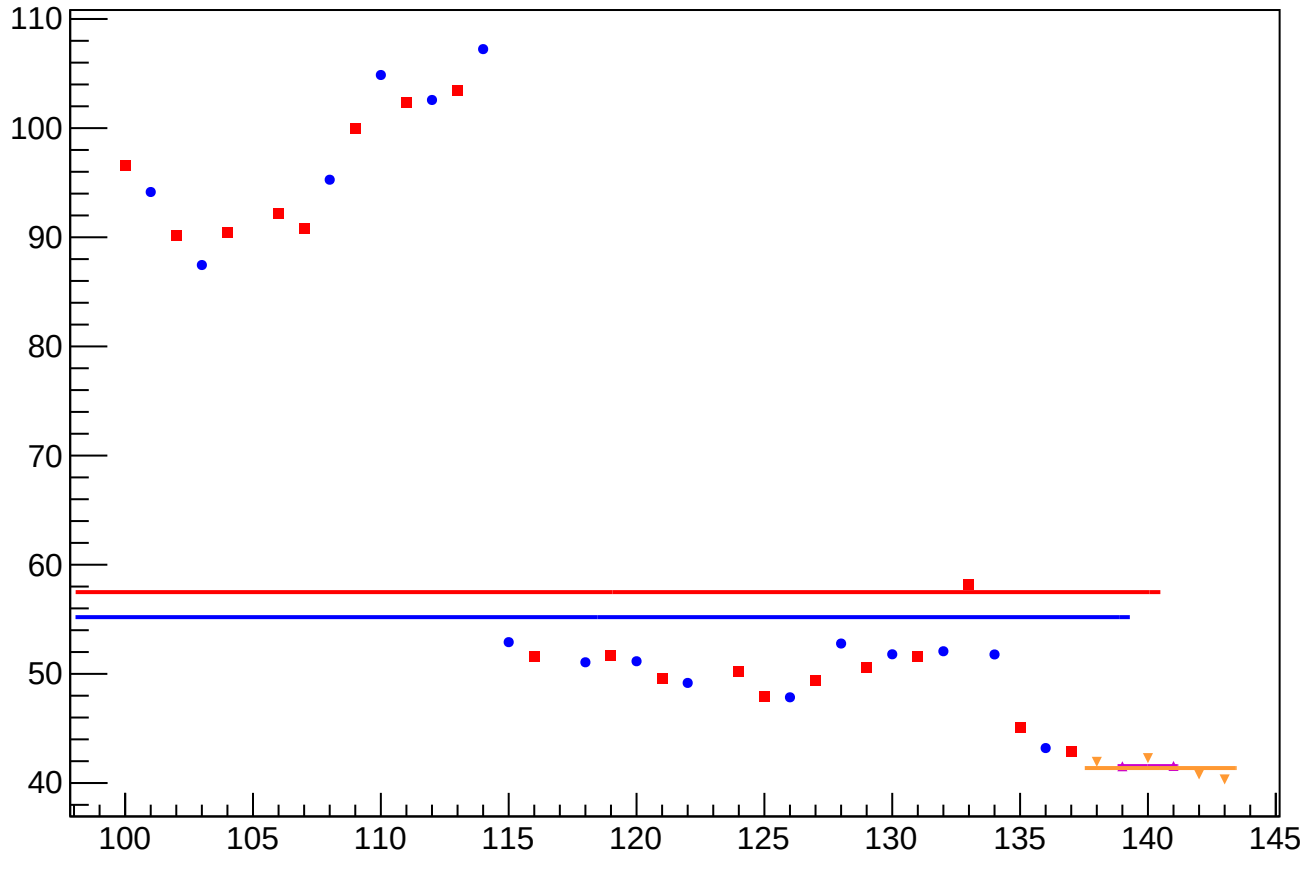
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 184.001+/-0.049 χ^2/NDF:3796080.8/17

Out: 175.434+/-0.044 χ^2/NDF:4672997.4/22

All: 179.257+/-0.033 χ^2/NDF: 8485923.7/40


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
140
145
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 29.414+/-24.413 χ²/NDF:1.8/3
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: -41.466+/-31.601 χ²/NDF:0.3/1
Left: 2.923+/-19.320 χ²/NDF: 5.2/5
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -70.464+/-17.739 χ²/NDF:12.1/17
Out: -1.159+/-16.371 χ²/NDF:27.6/22
All: -33.037+/-12.031 χ²/NDF: 47.9/40



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.371+/-0.017 χ^2/NDF:2331.8/3

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.551+/-0.022 χ^2/NDF:0.4/1

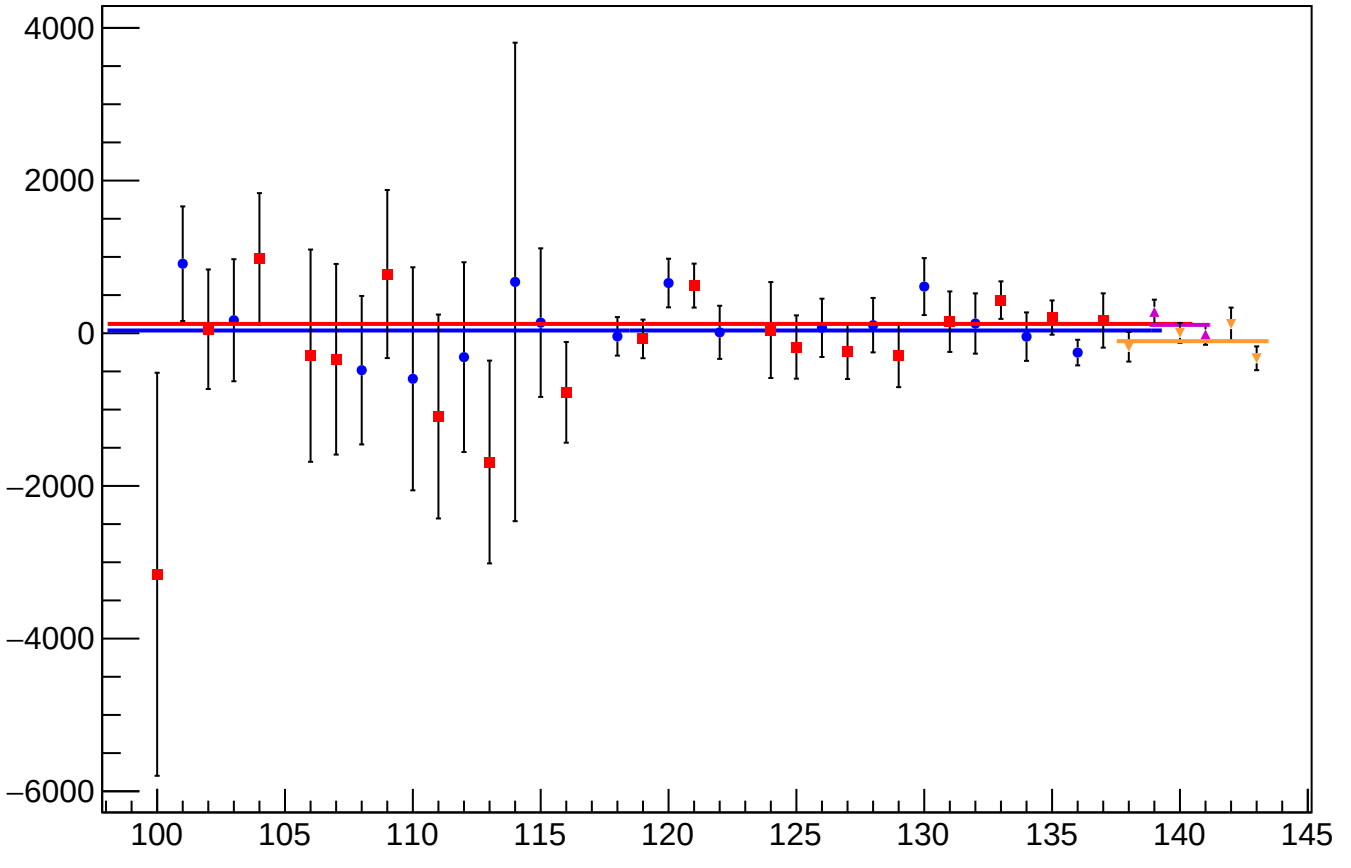
Left: 41.438+/-0.014 χ^2/NDF: 2373.1/5

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 50.898+/-0.013 χ^2/NDF:1408022.6/17

Out: 50.241+/-0.012 χ^2/NDF:1756556.0/22

All: 50.543+/-0.009 χ^2/NDF: 3166057.4/40



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -103.308+/-82.096 χ^2/NDF:4.0/3

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: -21.254+/-64.363 χ^2/NDF: 8.6/5

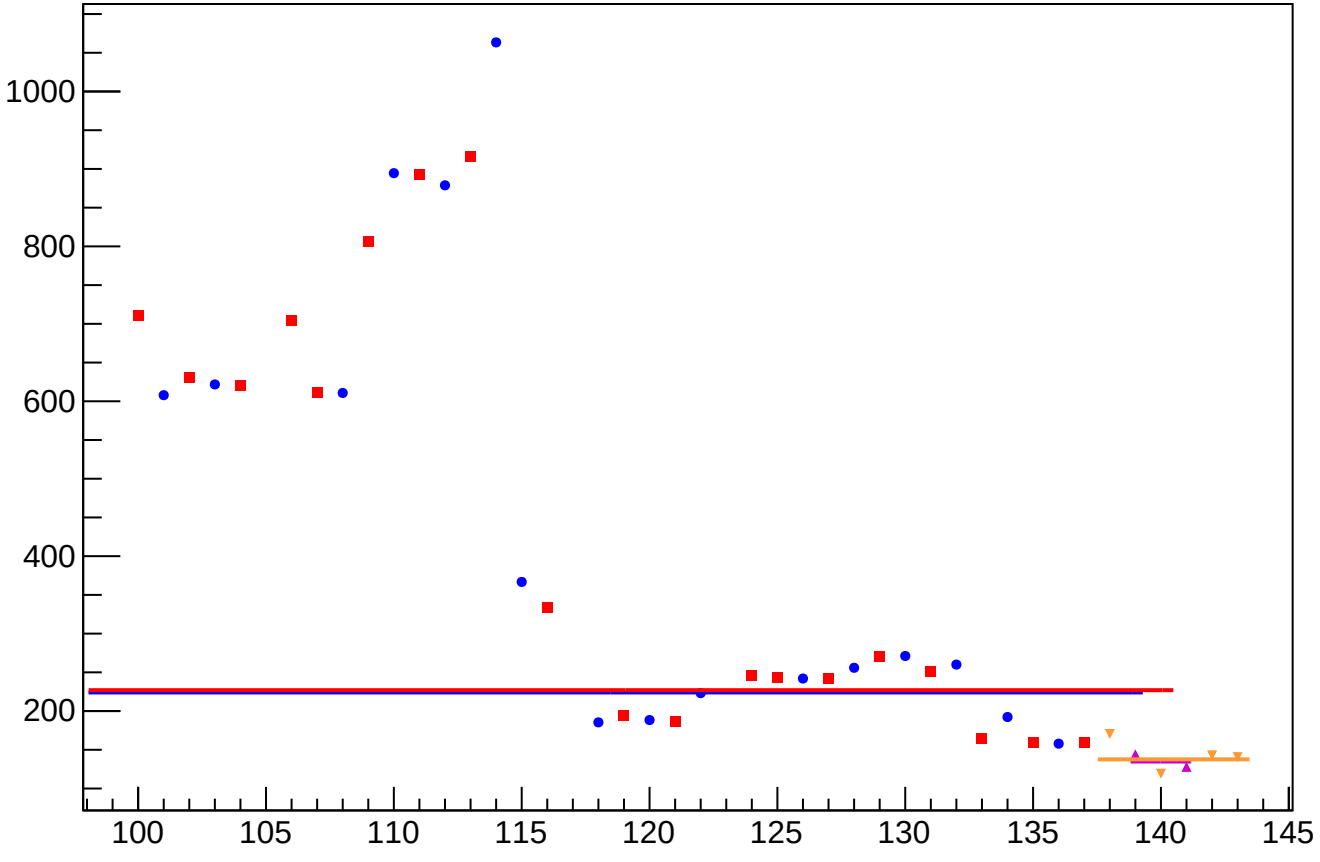
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 69.226+/-69.462 χ^2/NDF:13.7/17

Out: -7.860+/-62.356 χ^2/NDF:22.8/22

All: 26.539+/-46.402 χ^2/NDF: 37.1/40

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 137.638+/-0.058 χ^2/NDF:99109.2/3

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.829+/-0.073 χ^2/NDF:11900.7/1

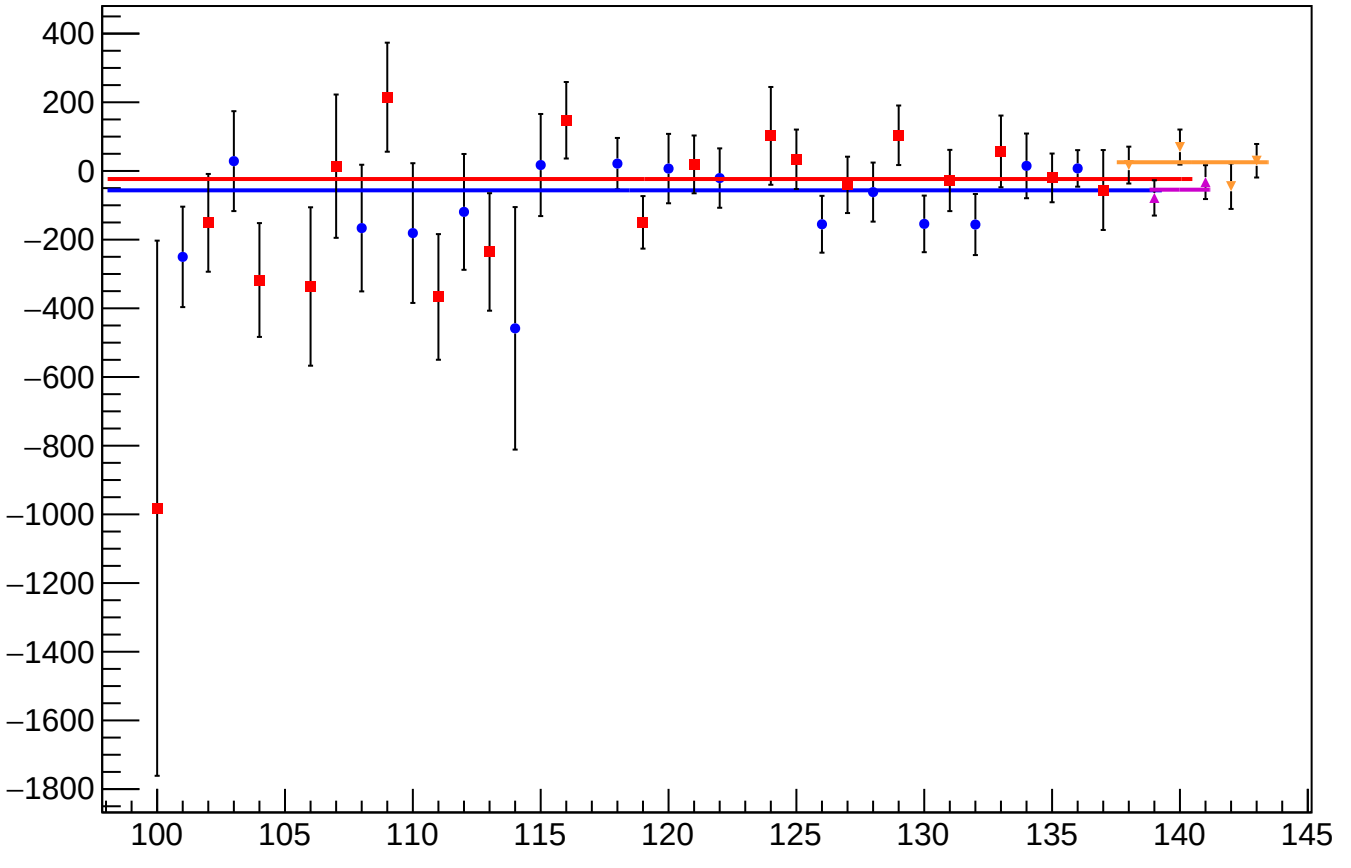
Left: 136.556+/-0.046 χ^2/NDF: 111912.1/5

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 184.001+/-0.049 χ^2/NDF:3796080.8/17

Out: 175.434+/-0.044 χ^2/NDF:4672997.4/22

All: 179.257+/-0.033 χ^2/NDF: 8485923.7/40



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.377+/-26.932 χ^2/NDF:1.9/3

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -54.533+/-35.595 χ^2/NDF:0.4/1

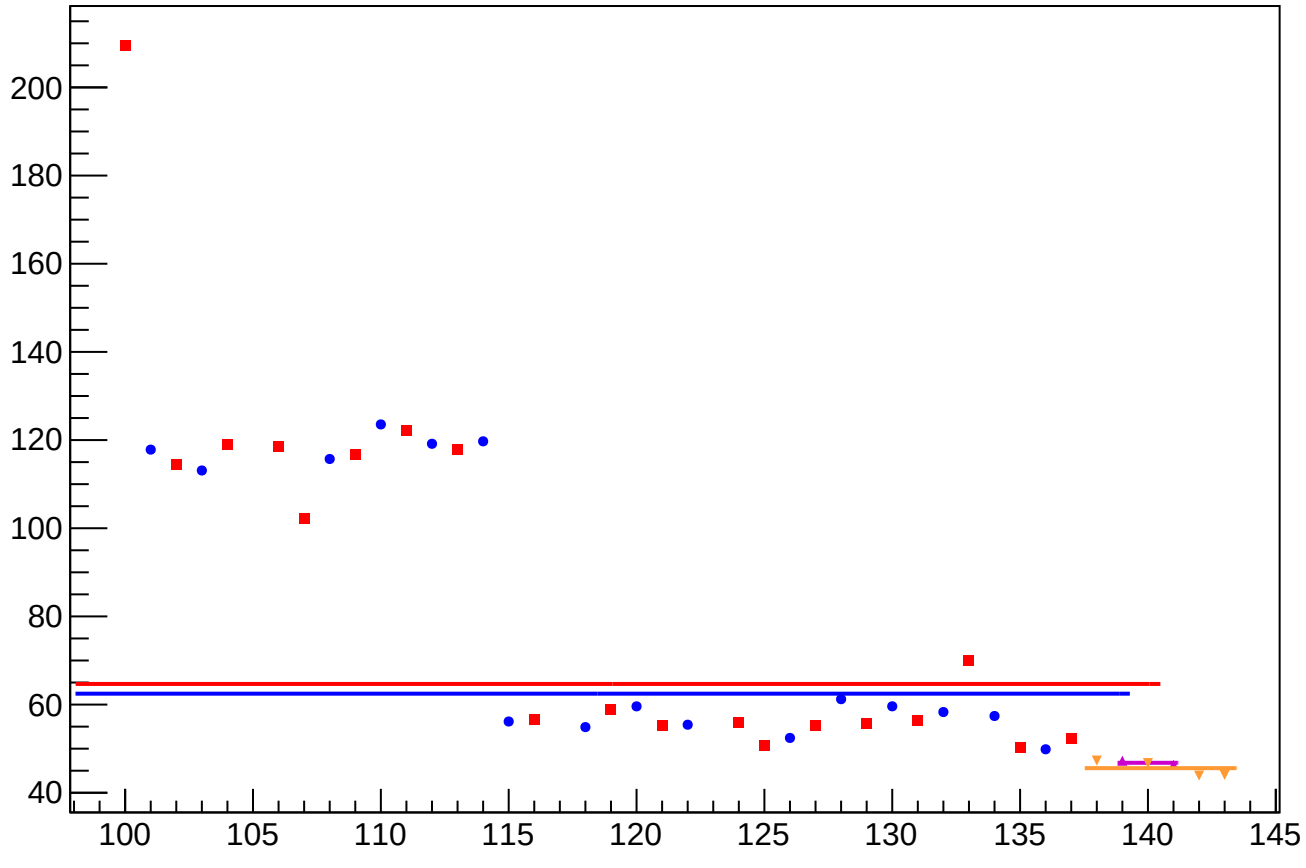
Left: -3.716+/-21.477 χ^2/NDF: 5.5/5

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -55.809+/-20.175 χ^2/NDF:12.7/17

Out: -0.720+/-18.386 χ^2/NDF:27.7/22

All: -25.713+/-13.589 χ^2/NDF: 44.5/40



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.581+/-0.019 χ^2/NDF:6306.8/3

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 46.791+/-0.025 χ^2/NDF:328.4/1

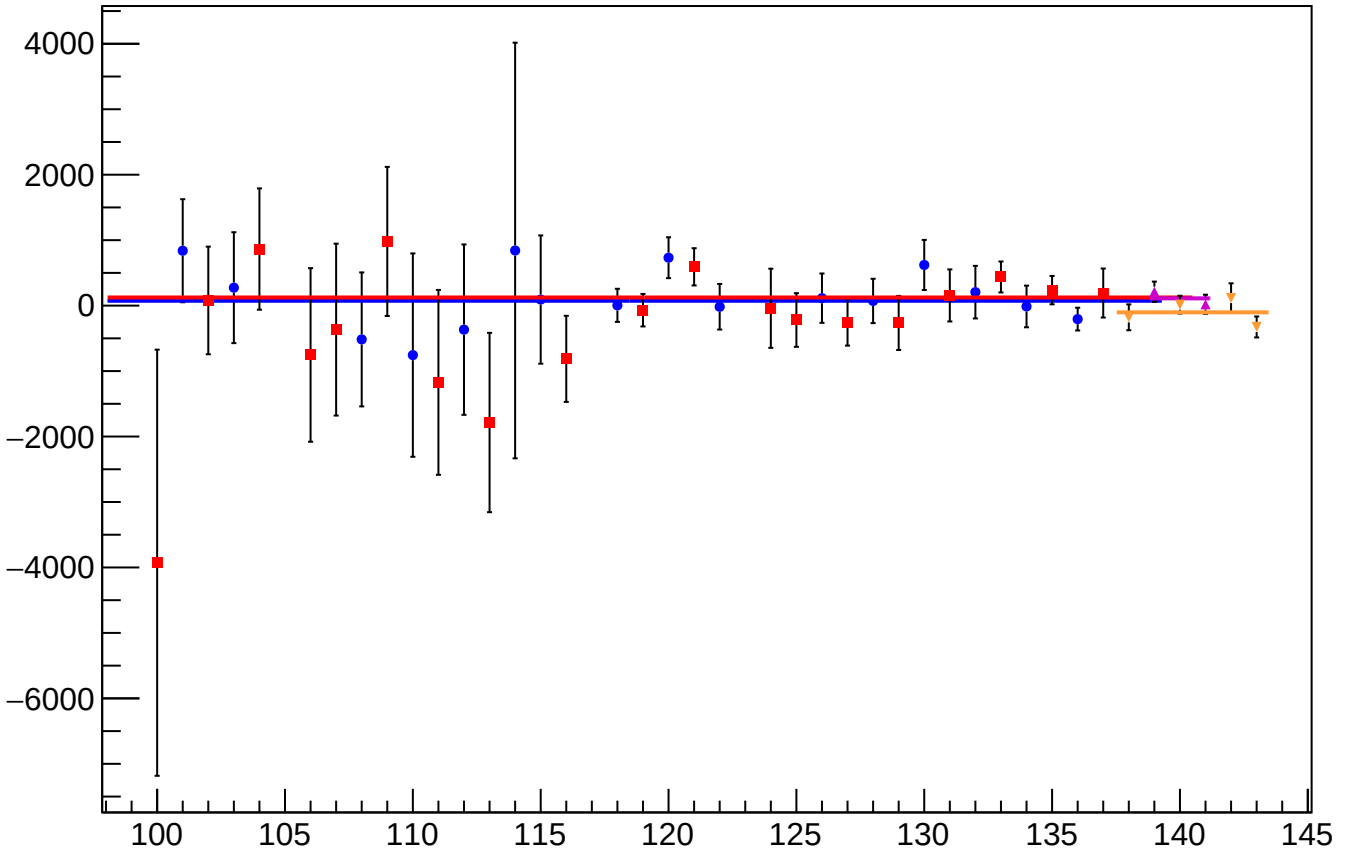
Left: 46.021+/-0.015 χ^2/NDF: 8106.6/5

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 57.436+/-0.014 χ^2/NDF:1612065.5/17

Out: 55.779+/-0.013 χ^2/NDF:2133851.5/22

All: 56.531+/-0.010 χ^2/NDF: 3753282.5/40



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -102.716+/-85.042 χ^2/NDF:3.8/3

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 111.011+/-106.229 χ^2/NDF:0.8/1

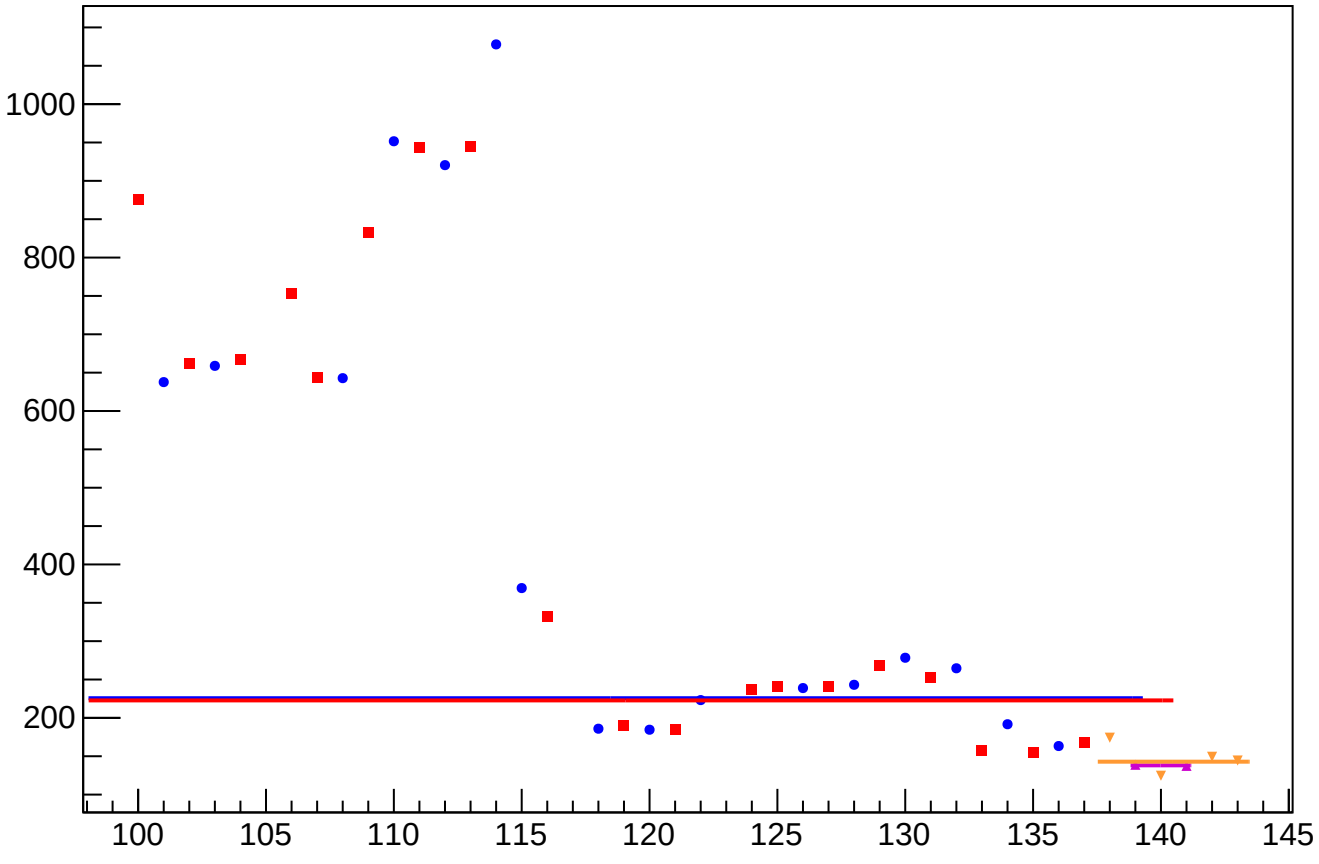
Left: -19.240+/-66.388 χ^2/NDF: 7.1/5

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 90.513+/-70.602 χ^2/NDF:12.1/17

Out: -1.375+/-63.263 χ^2/NDF:23.3/22

All: 39.546+/-47.116 χ^2/NDF: 36.3/40



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 142.903+/-0.060 χ^2/NDF:87989.6/3

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 138.143+/-0.075 χ^2/NDF:91.0/1

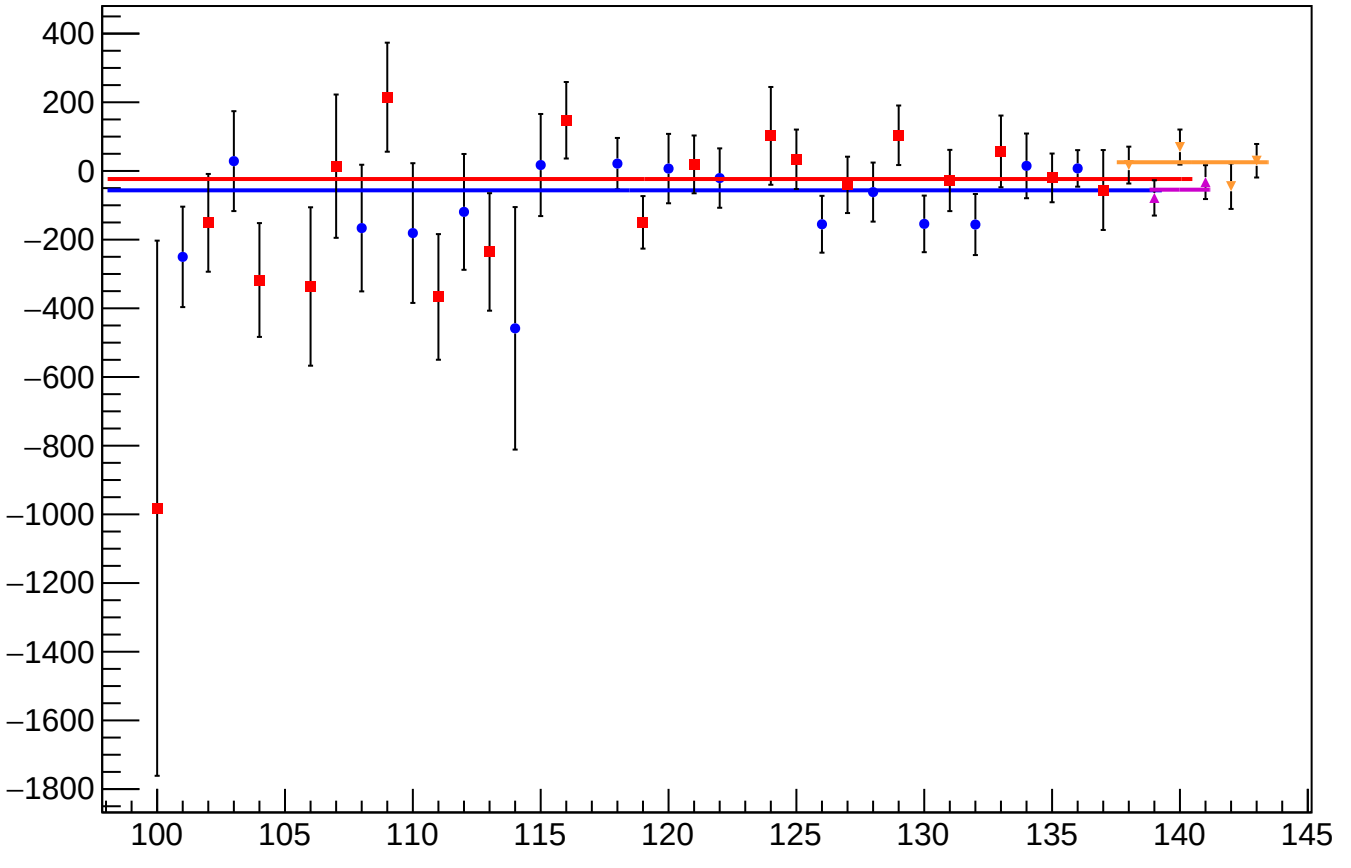
Left: 141.044+/-0.047 χ^2/NDF: 90528.3/5

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 186.976+/-0.050 χ^2/NDF:3783143.6/17

Out: 178.579+/-0.045 χ^2/NDF:4724264.8/22

All: 182.318+/-0.033 χ^2/NDF: 8523099.2/40



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 25.377+/-26.932 χ^2/NDF:1.9/3

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -54.532+/-35.595 χ^2/NDF:0.4/1

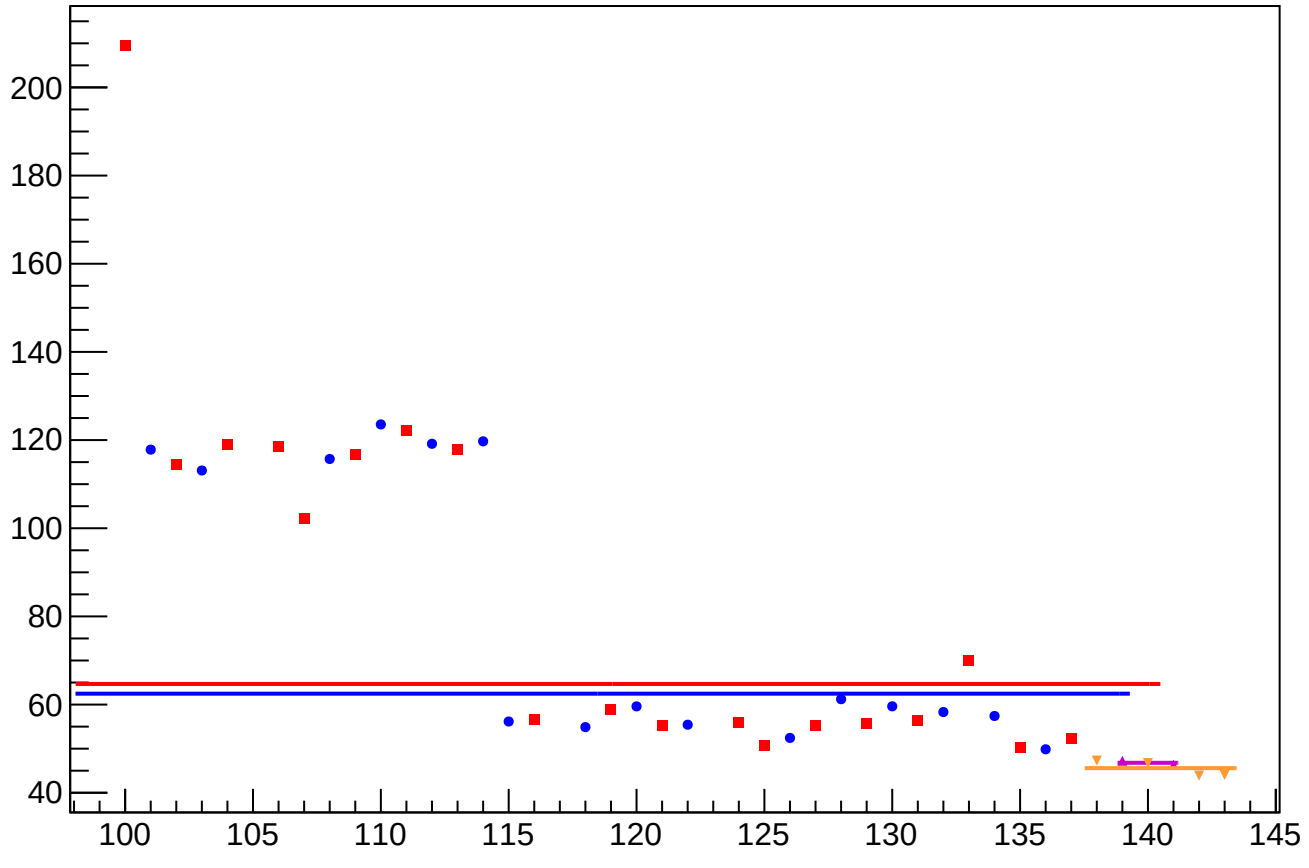
Left: -3.715+/-21.477 χ^2/NDF: 5.5/5

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -55.810+/-20.175 χ^2/NDF:12.7/17

Out: -0.721+/-18.386 χ^2/NDF:27.7/22

All: -25.715+/-13.589 χ^2/NDF: 44.5/40



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.581+/-0.019 χ^2/NDF:6305.6/3

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: 46.022+/-0.015 χ^2/NDF: 8104.5/5

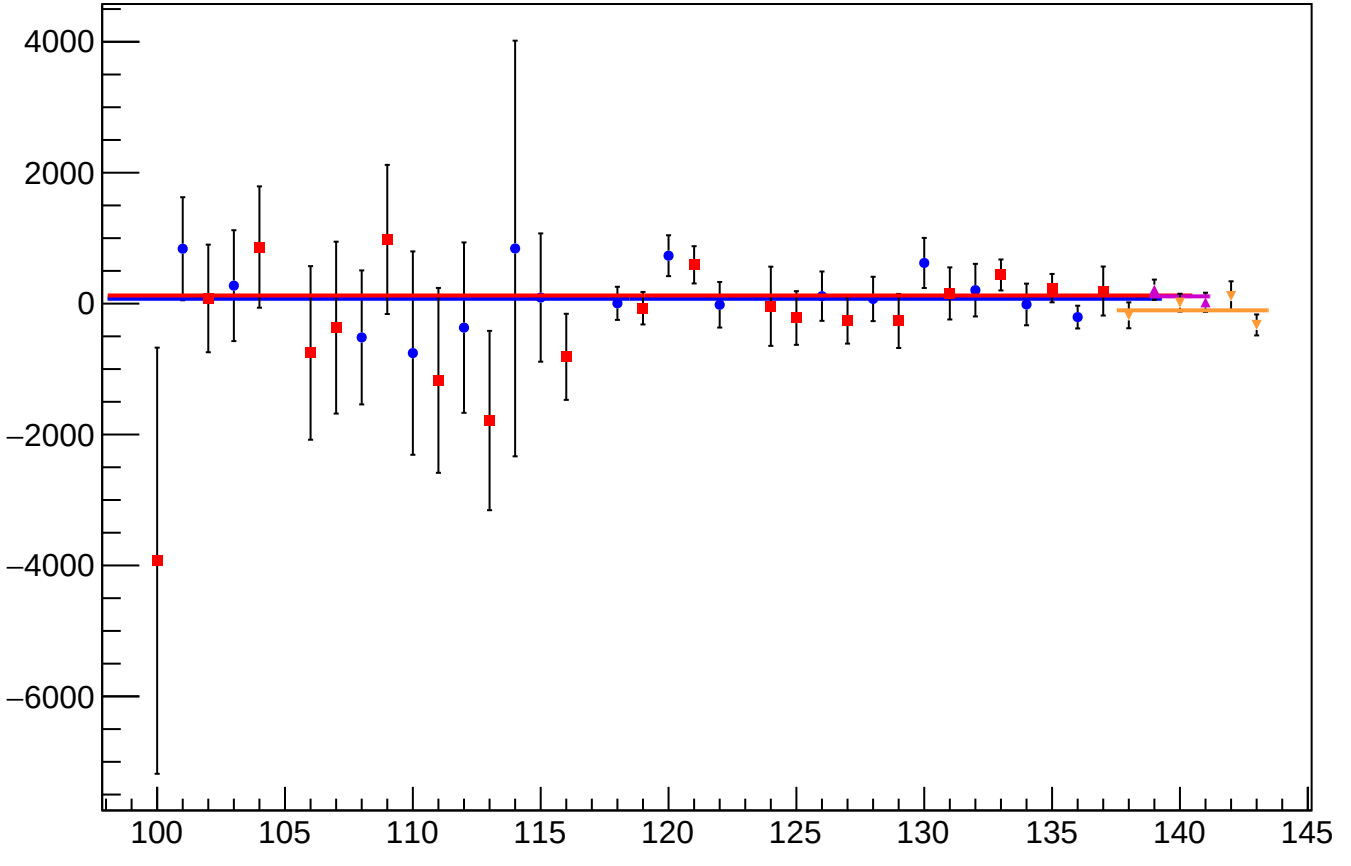
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 57.436+/-0.014 χ^2/NDF:1612027.4/17

Out: 55.779+/-0.013 χ^2/NDF:2133803.4/22

All: 56.531+/-0.010 χ^2/NDF: 3753193.7/40

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: -102.715+/-85.042 χ^2/NDF:3.8/3

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: -19.240+/-66.389 χ^2/NDF: 7.1/5

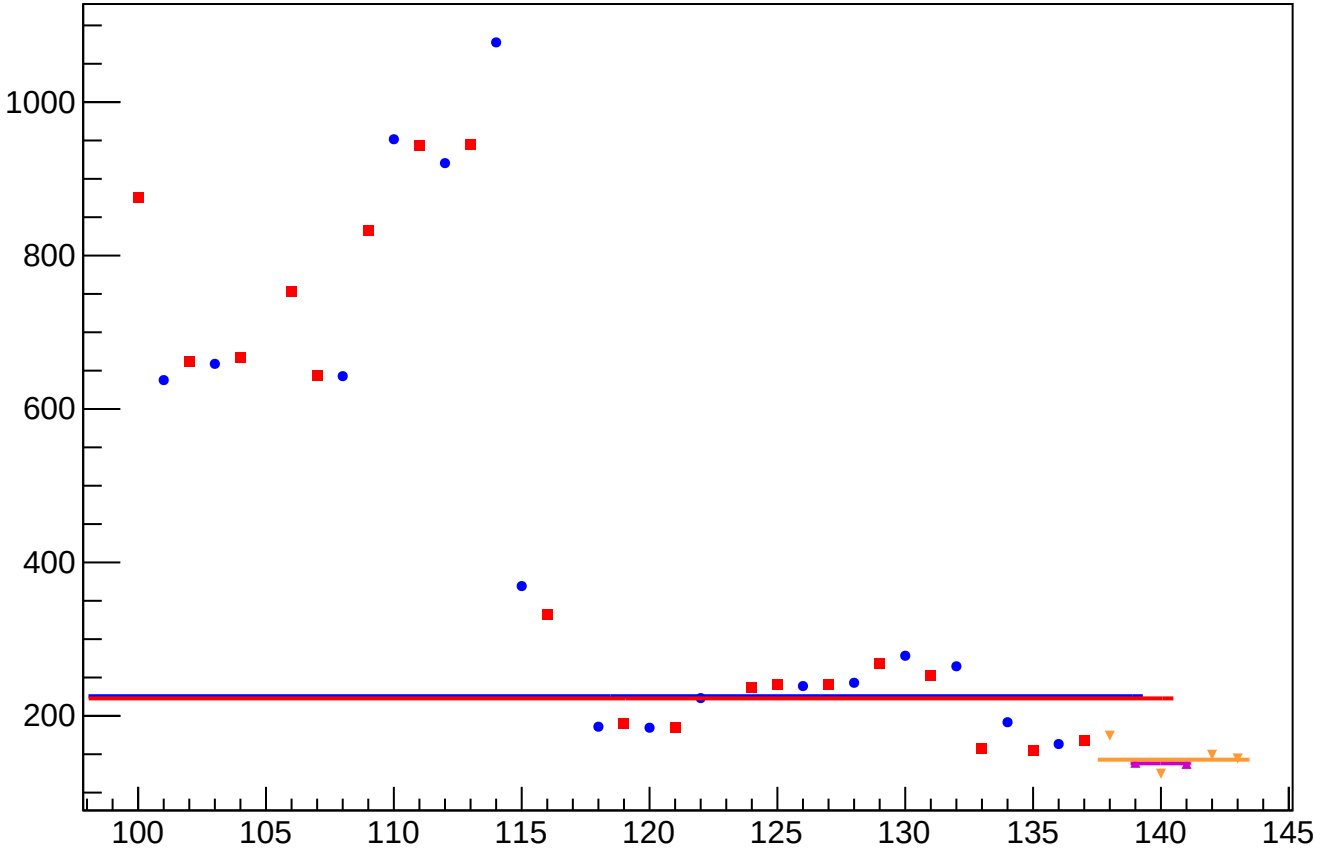
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 90.514+/-70.603 χ^2/NDF:12.1/17

Out: -1.375+/-63.263 χ^2/NDF:23.3/22

All: 39.547+/-47.116 χ^2/NDF: 36.3/40

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: 142.904+/-0.060 χ^2/NDF:87989.4/3

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: 141.045+/-0.047 χ^2/NDF: 90528.1/5

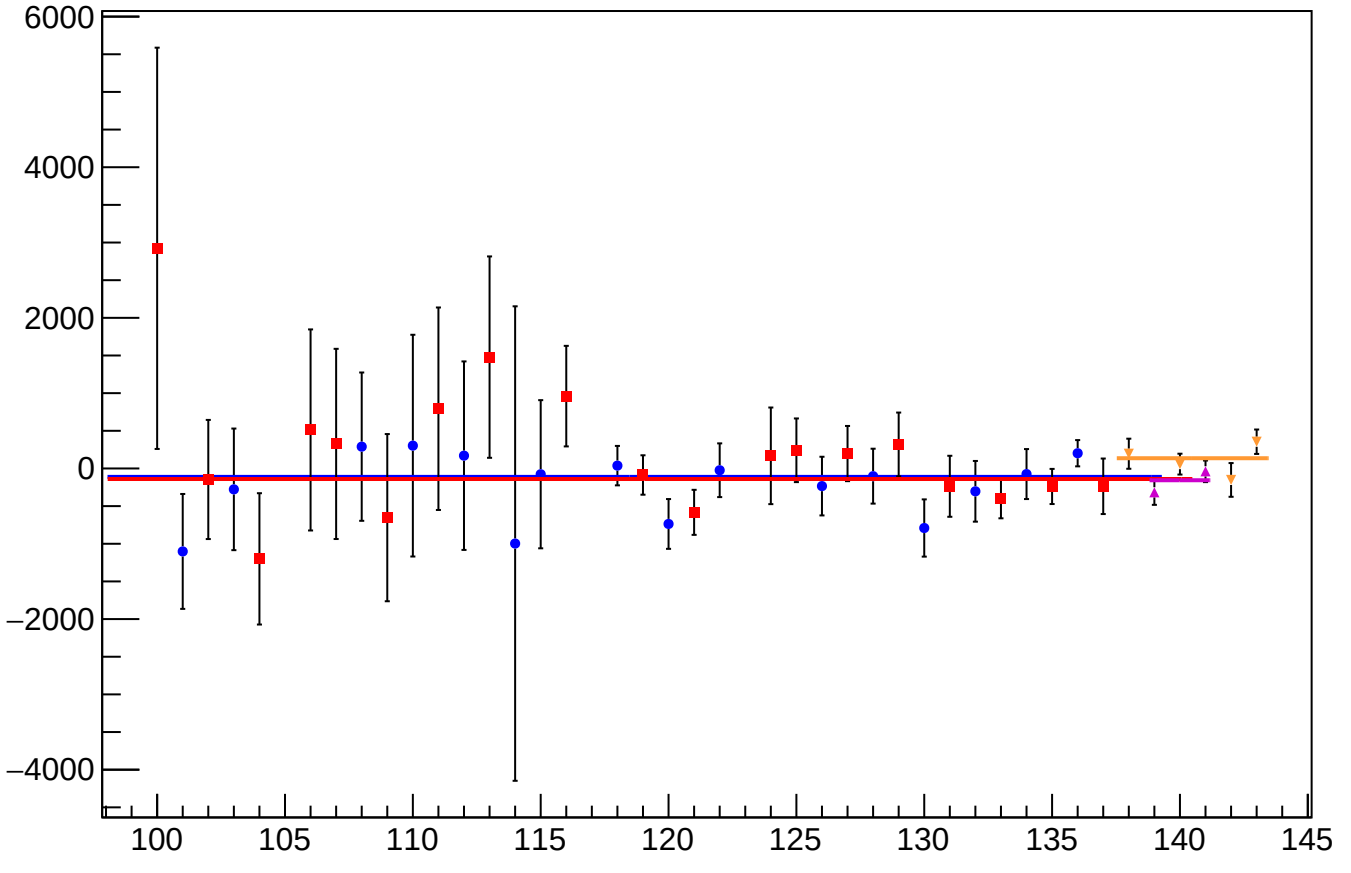
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 186.976+/-0.050 χ^2/NDF:3783110.3/17

Out: 178.580+/-0.045 χ^2/NDF:4724231.2/22

All: 182.319+/-0.033 χ^2/NDF: 8523031.2/40

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 135.855+/-85.984 χ^2/NDF:3.9/3

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: 23.305+/-67.431 χ^2/NDF: 10.0/5

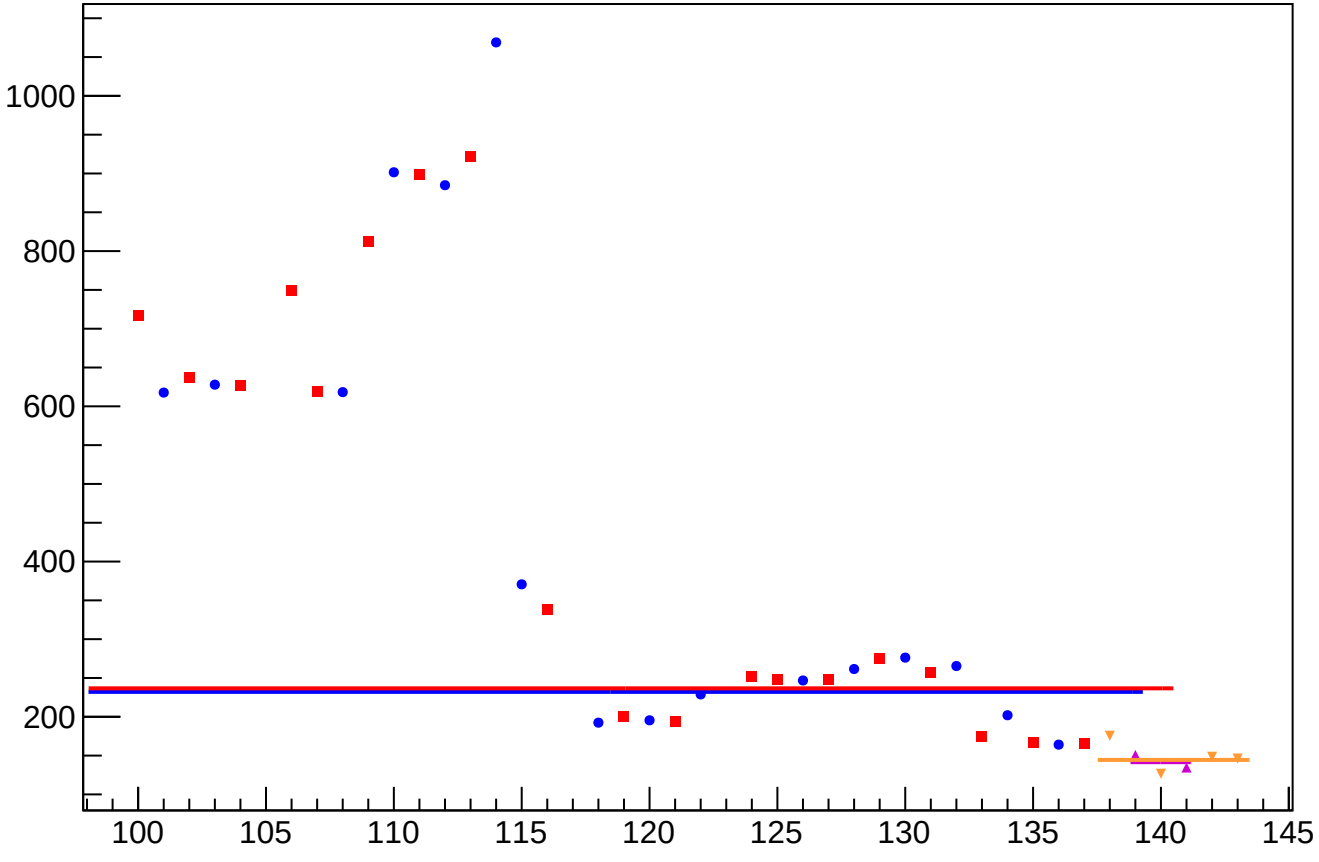
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -131.579+/-72.179 χ^2/NDF:14.5/17

Out: 17.491+/-64.966 χ^2/NDF:23.0/22

All: -49.225+/-48.287 χ^2/NDF: 39.8/40

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 144.419+/-0.061 χ^2/NDF:82499.5/3

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.529+/-0.077 χ^2/NDF:10820.3/1

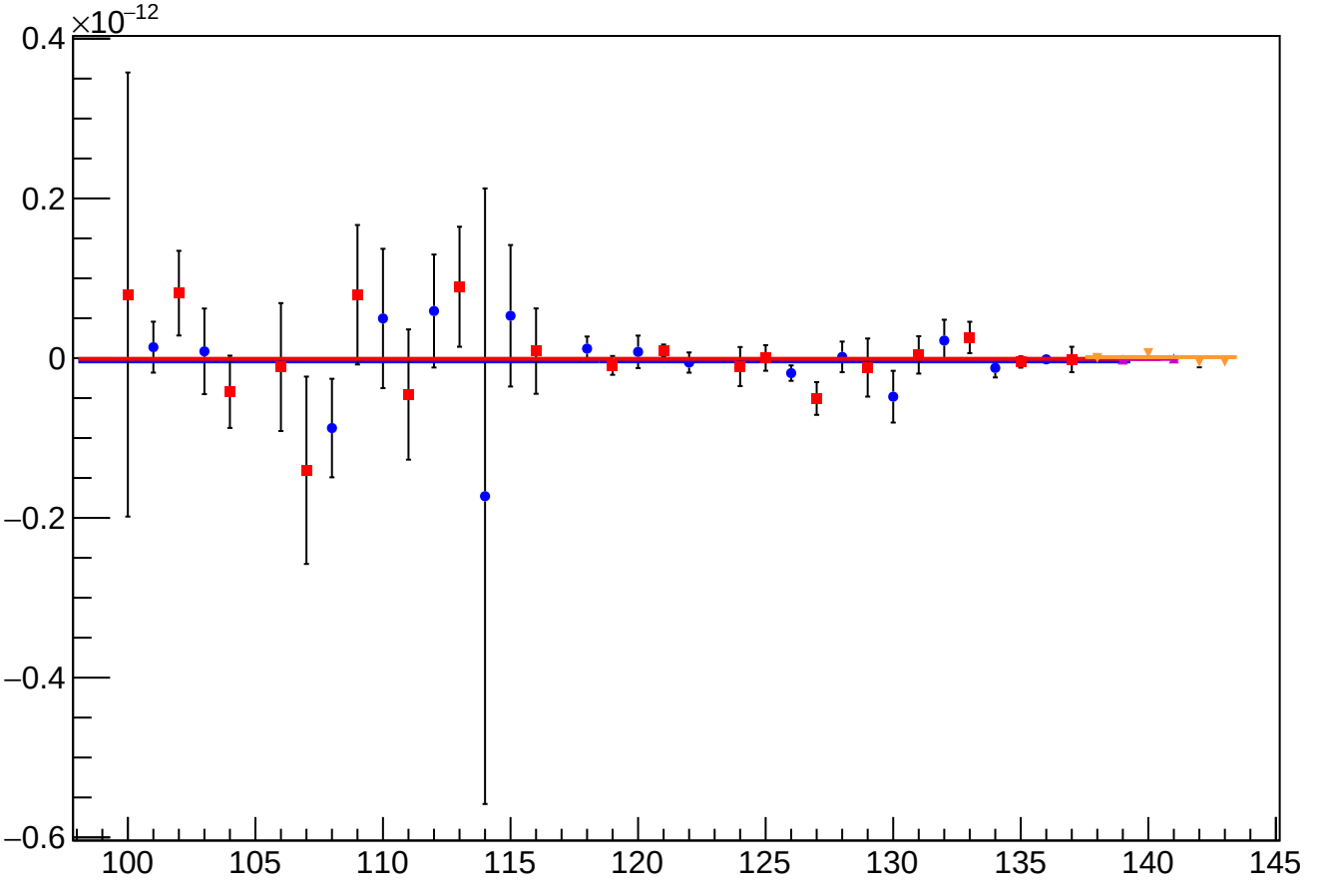
Left: 143.306+/-0.048 χ^2/NDF: 94190.0/5

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 192.151+/-0.051 χ^2/NDF:3672798.9/17

Out: 183.996+/-0.046 χ^2/NDF:4590948.7/22

All: 187.646+/-0.034 χ^2/NDF: 8277850.5/40



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.0/1

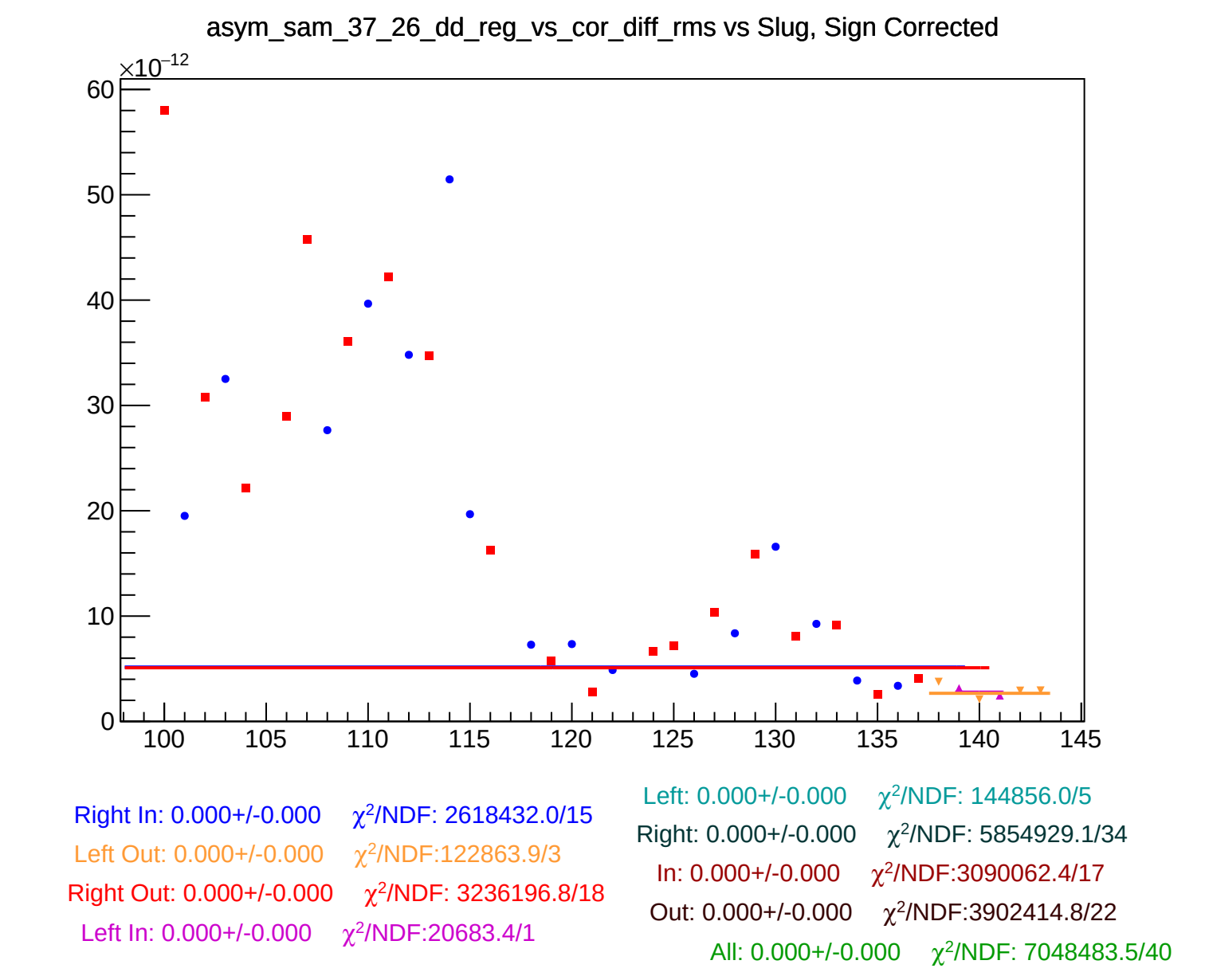
Left: 0.000+/-0.000 χ^2/NDF: 4.5/5

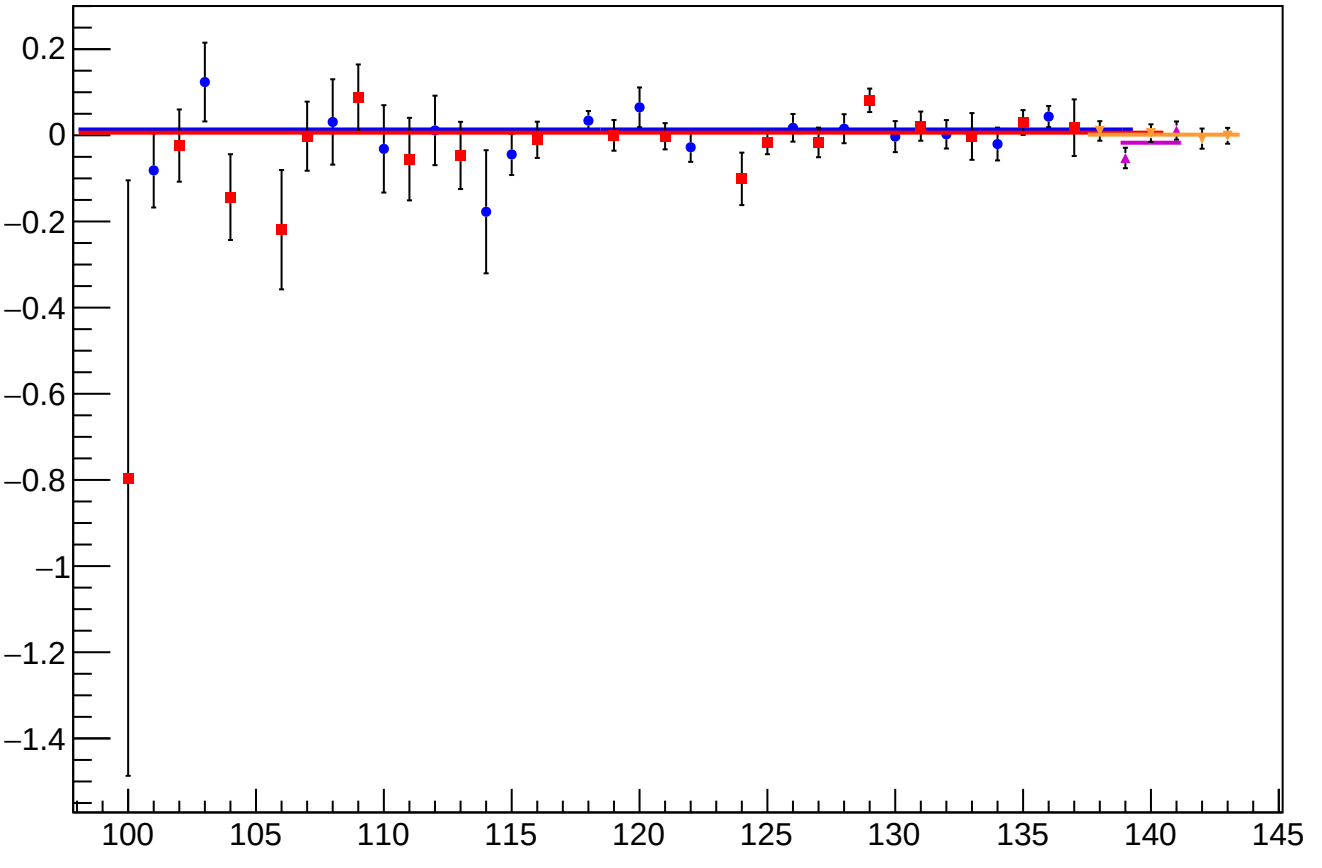
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:11.8/17

Out: 0.000+/-0.000 χ^2/NDF:22.4/22

All: -0.000+/-0.000 χ^2/NDF: 35.2/40


asym_sam_37_26_dd_reg_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
145
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:122863.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:20683.4/1
Left: 0.000+/-0.000 χ²/NDF: 144856.0/5
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:3090062.4/17
Out: 0.000+/-0.000 χ²/NDF:3902414.8/22
All: 0.000+/-0.000 χ²/NDF: 7048483.5/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.017+/-0.016 χ^2/NDF:4.0/1

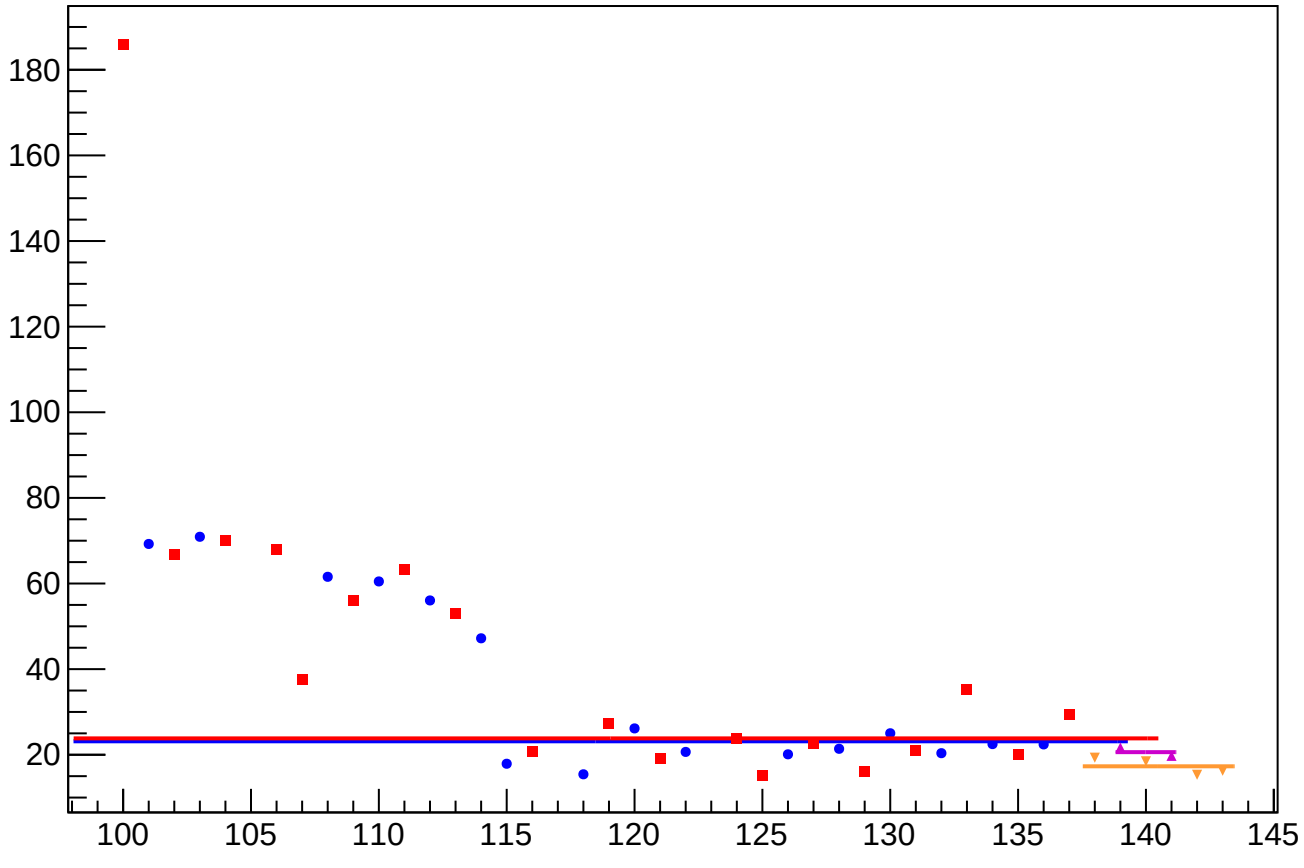
Left: -0.004+/-0.009 χ^2/NDF: 5.3/5

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.004+/-0.005 χ^2/NDF: 41.0/40



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.303+/-0.007 χ^2/NDF:42973.0/3

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 20.611+/-0.011 χ^2/NDF:7517.0/1

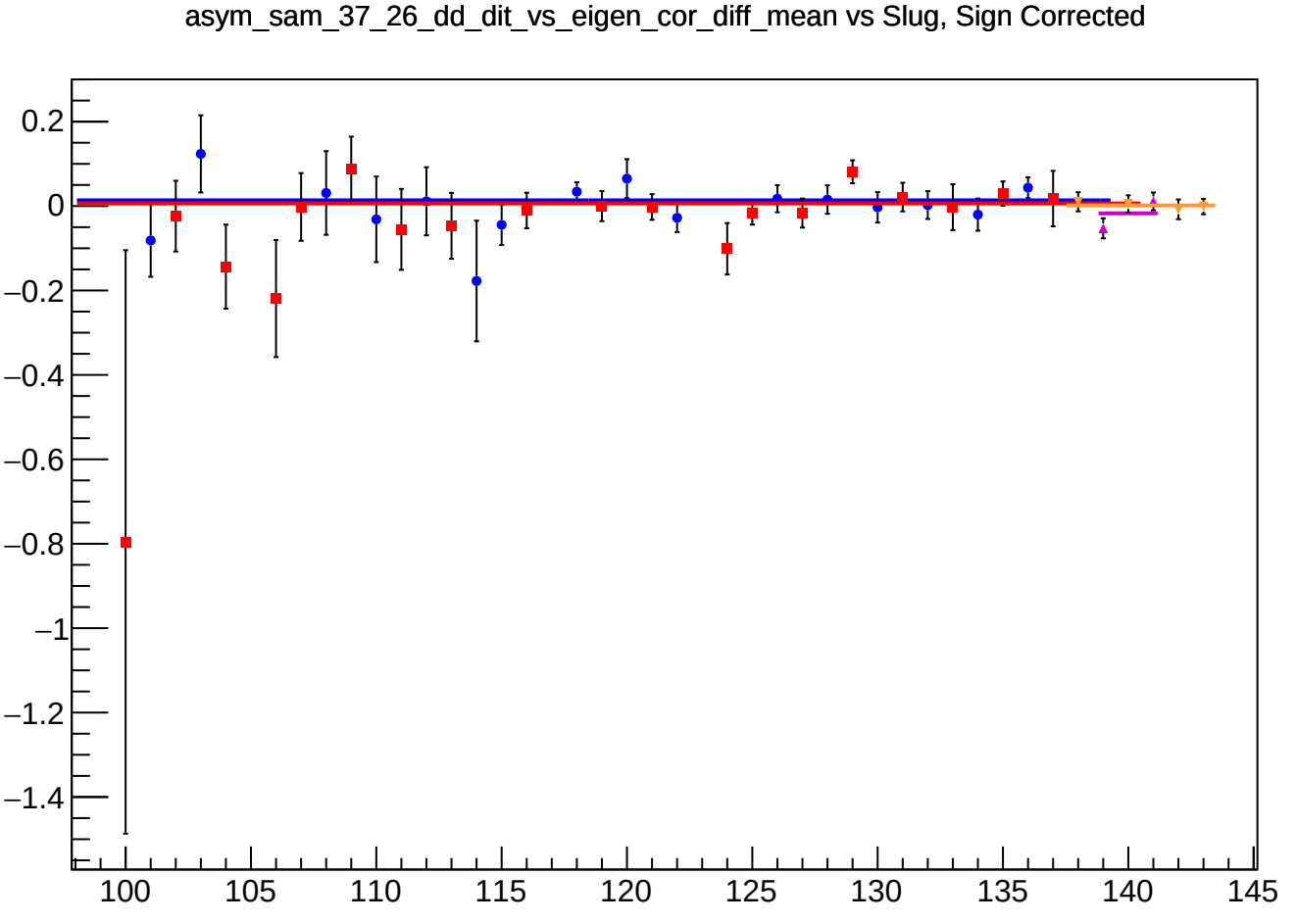
Left: 18.311+/-0.006 χ^2/NDF: 111305.8/5

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 22.438+/-0.006 χ^2/NDF:2450911.7/17

Out: 20.692+/-0.005 χ^2/NDF:3345029.3/22

All: 21.442+/-0.004 χ^2/NDF: 5845664.7/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

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+/-0.009 χ^2/NDF: 5.3/5

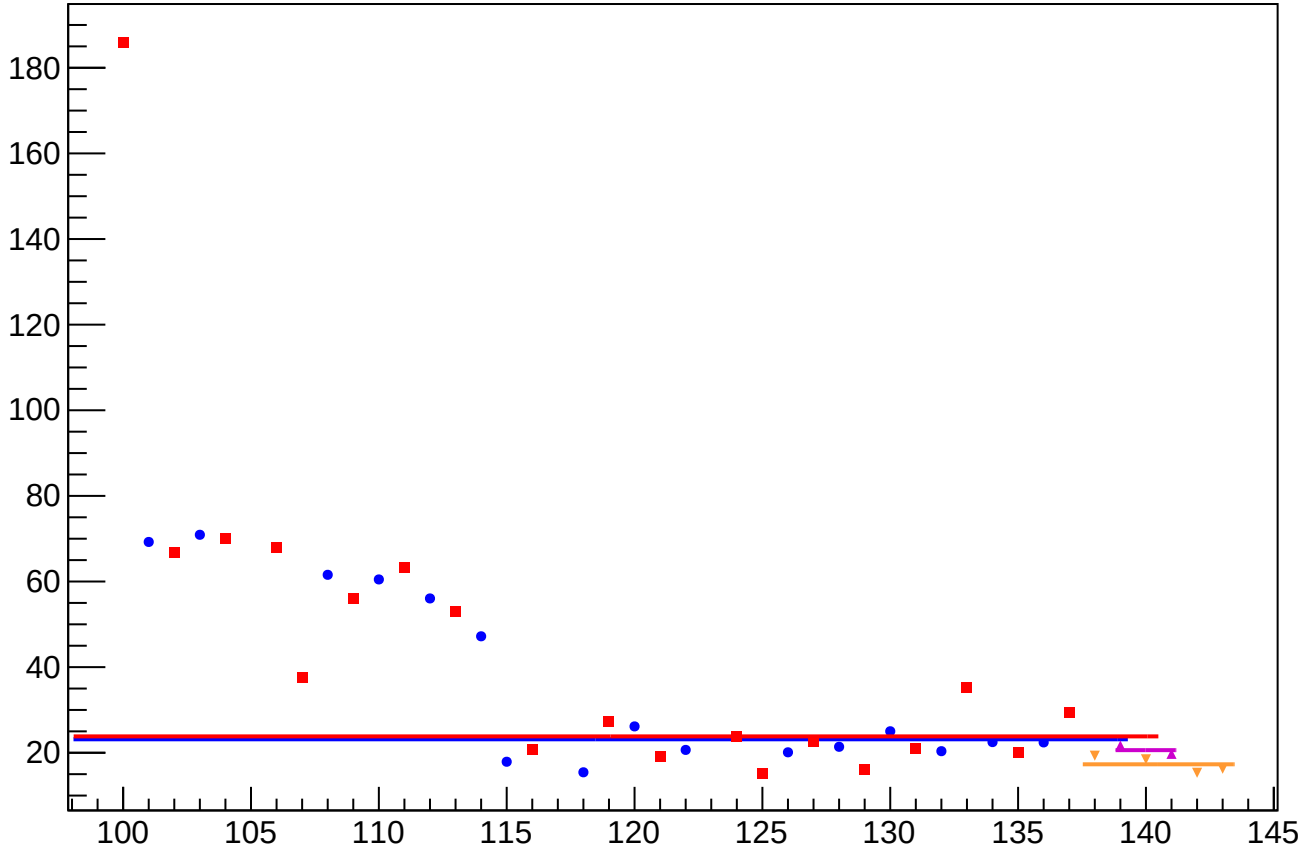
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.004+/-0.005 χ^2/NDF: 41.0/40

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: 17.303+/-0.007 χ^2/NDF:42973.0/3

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 20.611+/-0.011 χ^2/NDF:7517.0/1

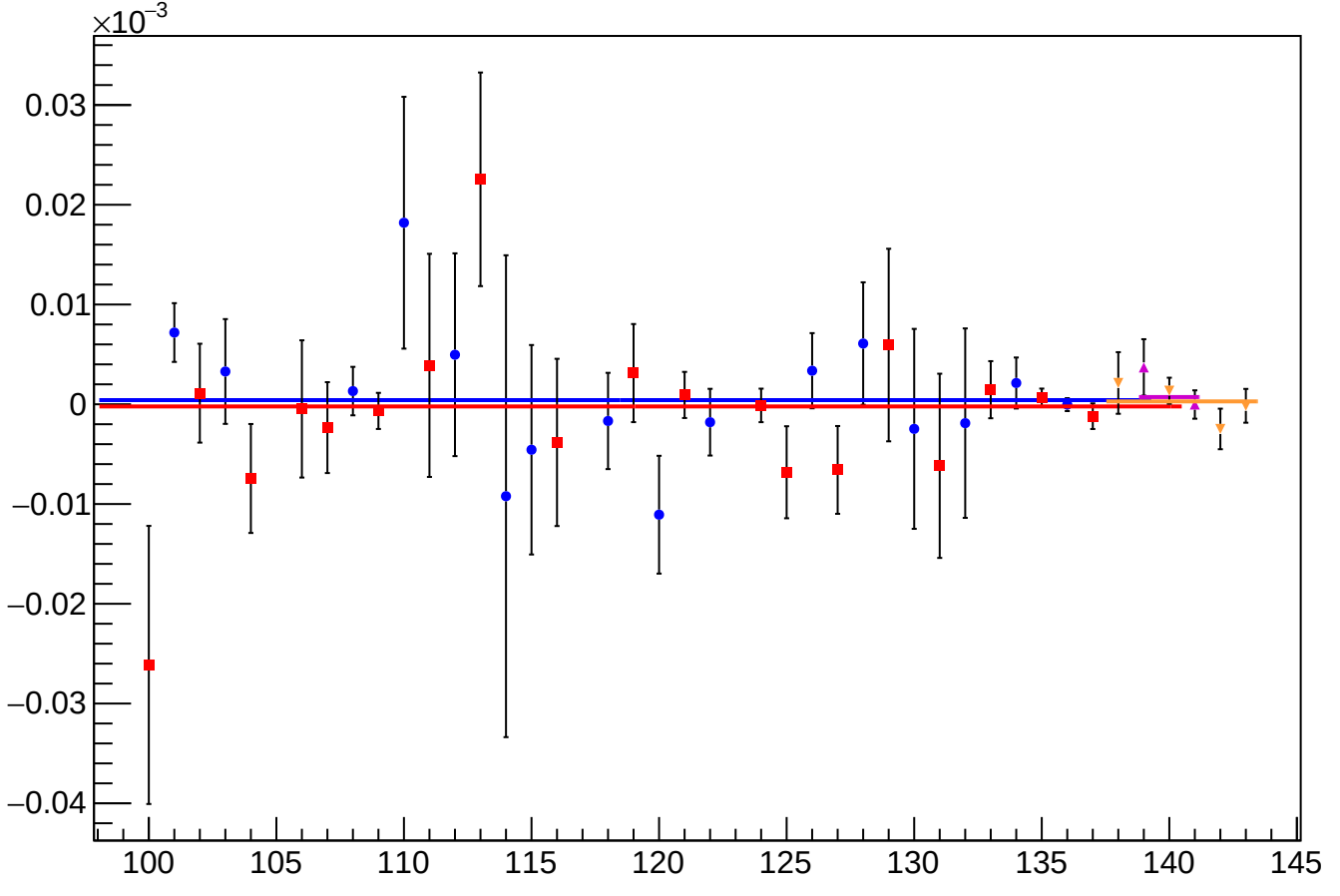
Left: 18.311+/-0.006 χ^2/NDF: 111305.8/5

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 22.438+/-0.006 χ^2/NDF:2450911.7/17

Out: 20.692+/-0.005 χ^2/NDF:3345029.3/22

All: 21.442+/-0.004 χ^2/NDF: 5845664.7/40



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/1

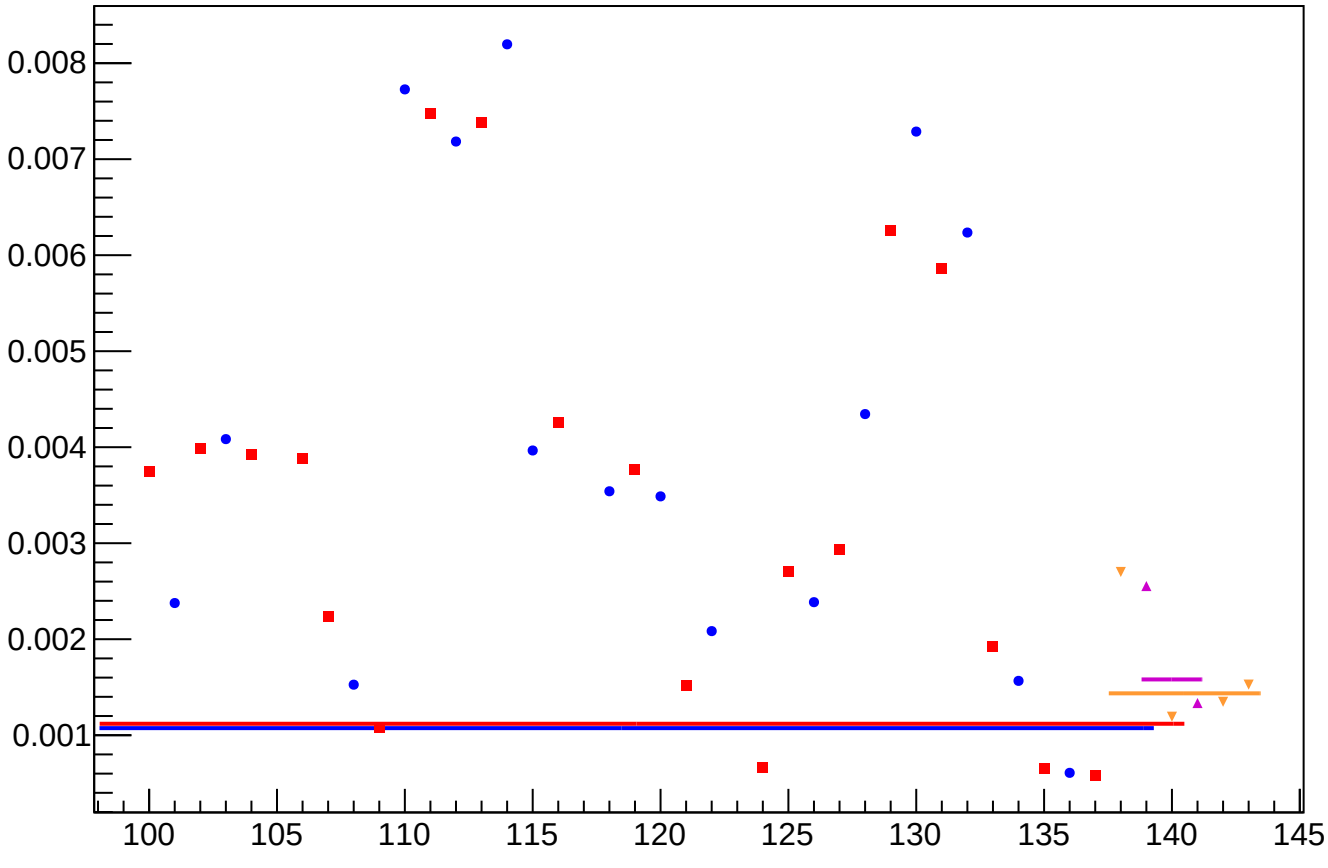
Left: 0.000+/-0.000 χ^2/NDF: 4.4/5

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:21.1/22

All: 0.000+/-0.000 χ^2/NDF: 38.3/40



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:414262.2/3

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.002+/-0.000 χ^2/NDF:296280.1/1

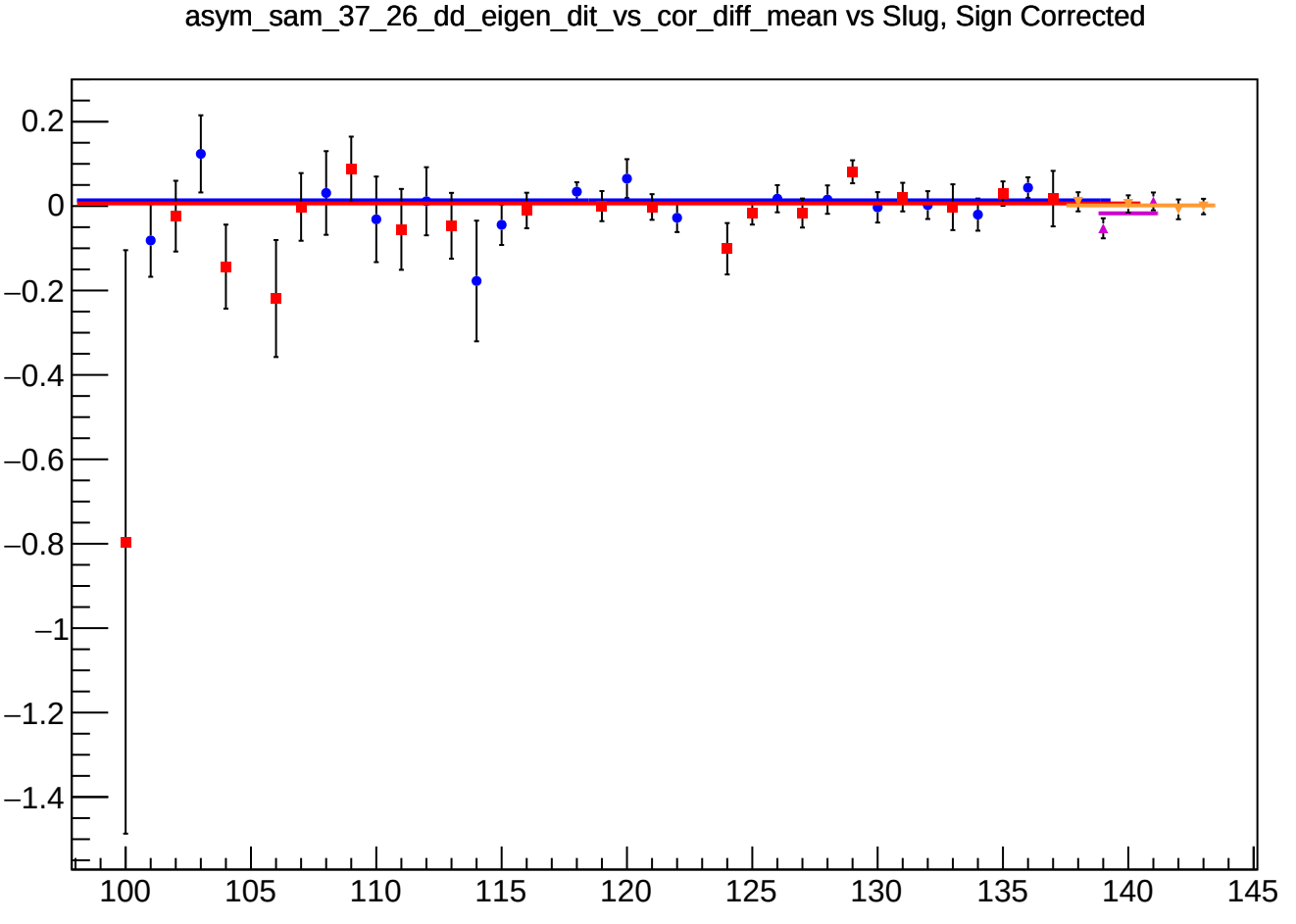
Left: 0.001+/-0.000 χ^2/NDF: 728077.3/5

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:7392619.0/22

All: 0.001+/-0.000 χ^2/NDF: 15013519.3/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

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+/-0.009 χ^2/NDF: 5.3/5

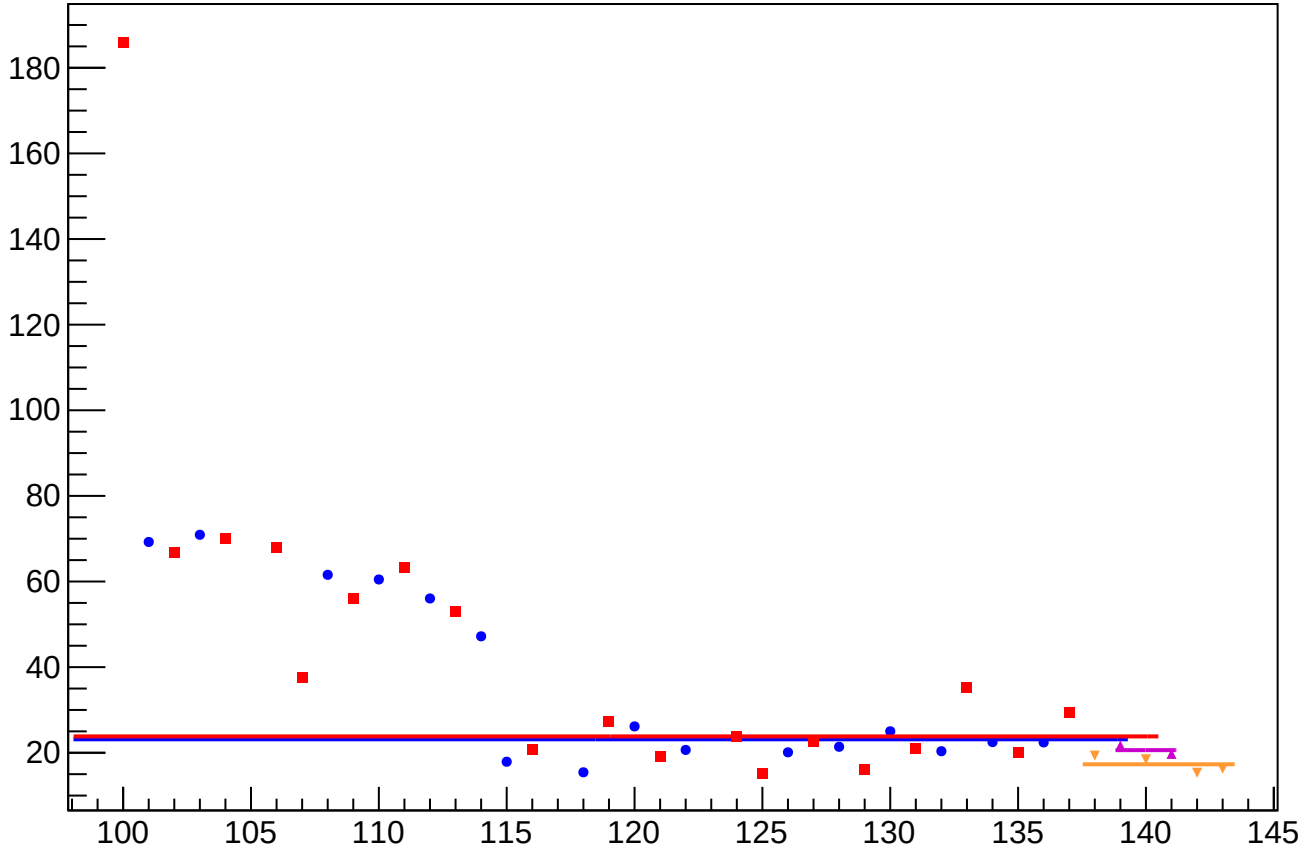
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.004+/-0.005 χ^2/NDF: 41.0/40

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 17.304+/-0.007 χ^2/NDF:42964.6/3

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 20.612+/-0.011 χ^2/NDF:7505.5/1

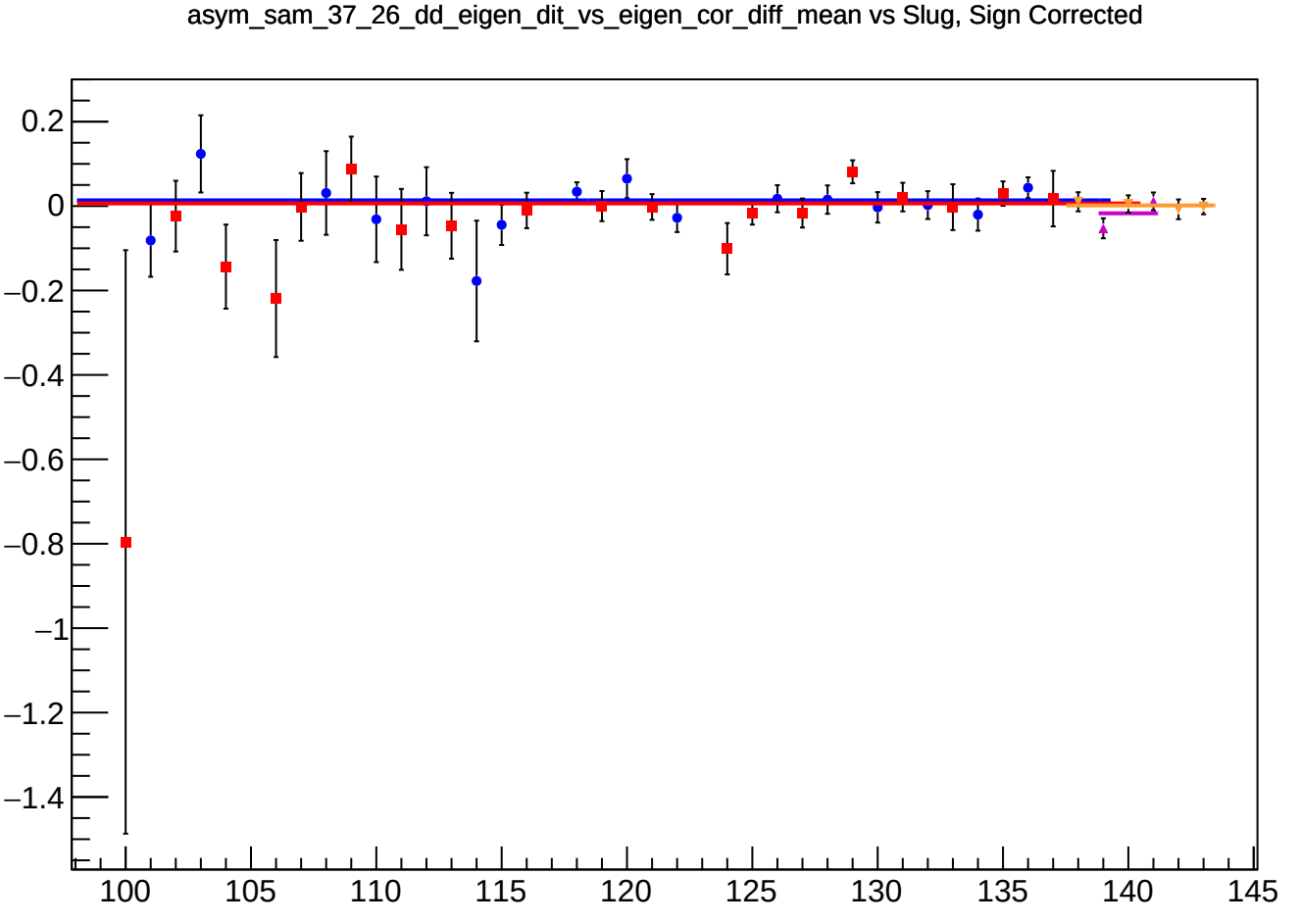
Left: 18.311+/-0.006 χ^2/NDF: 111271.2/5

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 22.437+/-0.006 χ^2/NDF:2450879.5/17

Out: 20.692+/-0.005 χ^2/NDF:3344816.1/22

All: 21.442+/-0.004 χ^2/NDF: 5845365.8/40



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.002+/-0.010 χ^2/NDF:0.3/3

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+/-0.009 χ^2/NDF: 5.3/5

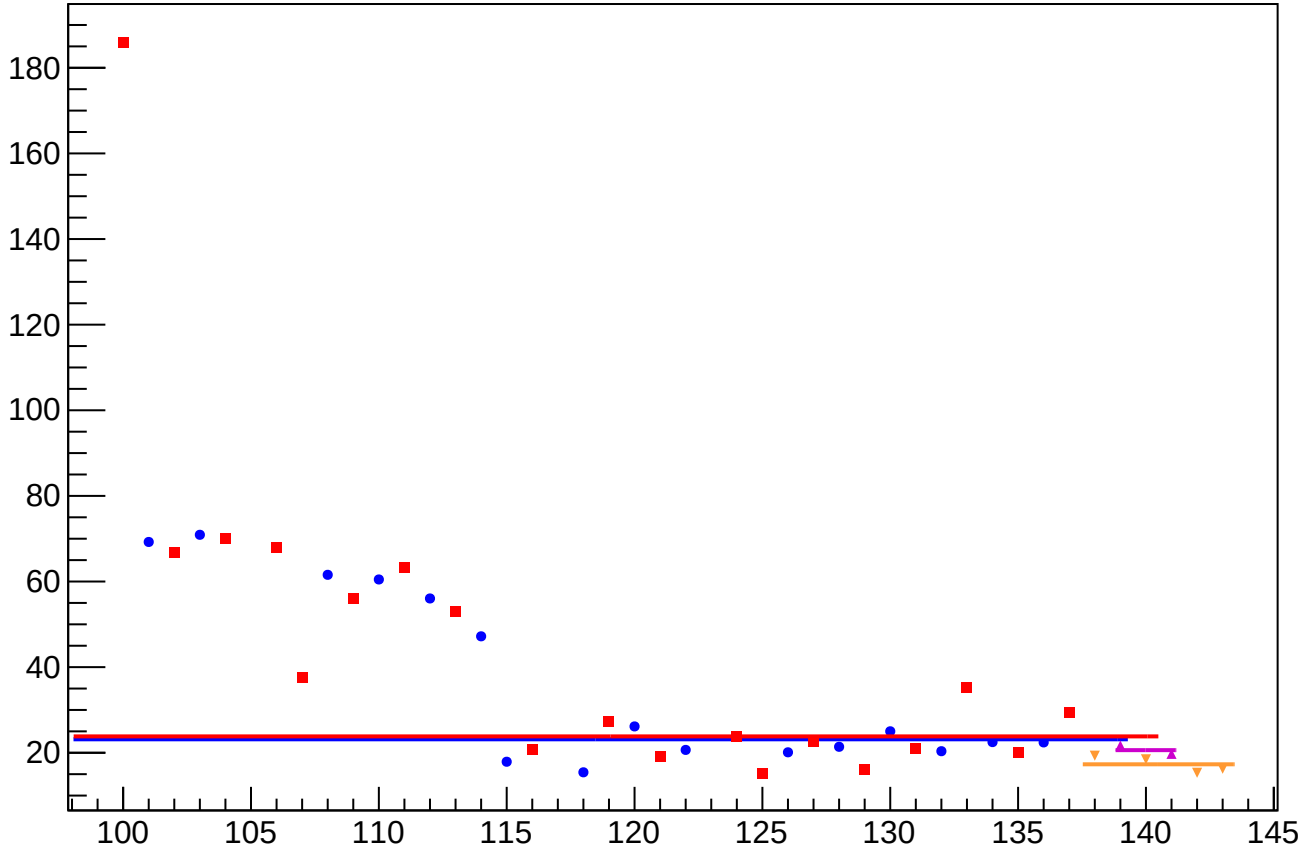
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.008 χ^2/NDF:19.0/17

Out: 0.004+/-0.007 χ^2/NDF:21.9/22

All: 0.004+/-0.005 χ^2/NDF: 41.0/40

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: 17.304+/-0.007 χ^2/NDF:42964.6/3

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 20.612+/-0.011 χ^2/NDF:7505.5/1

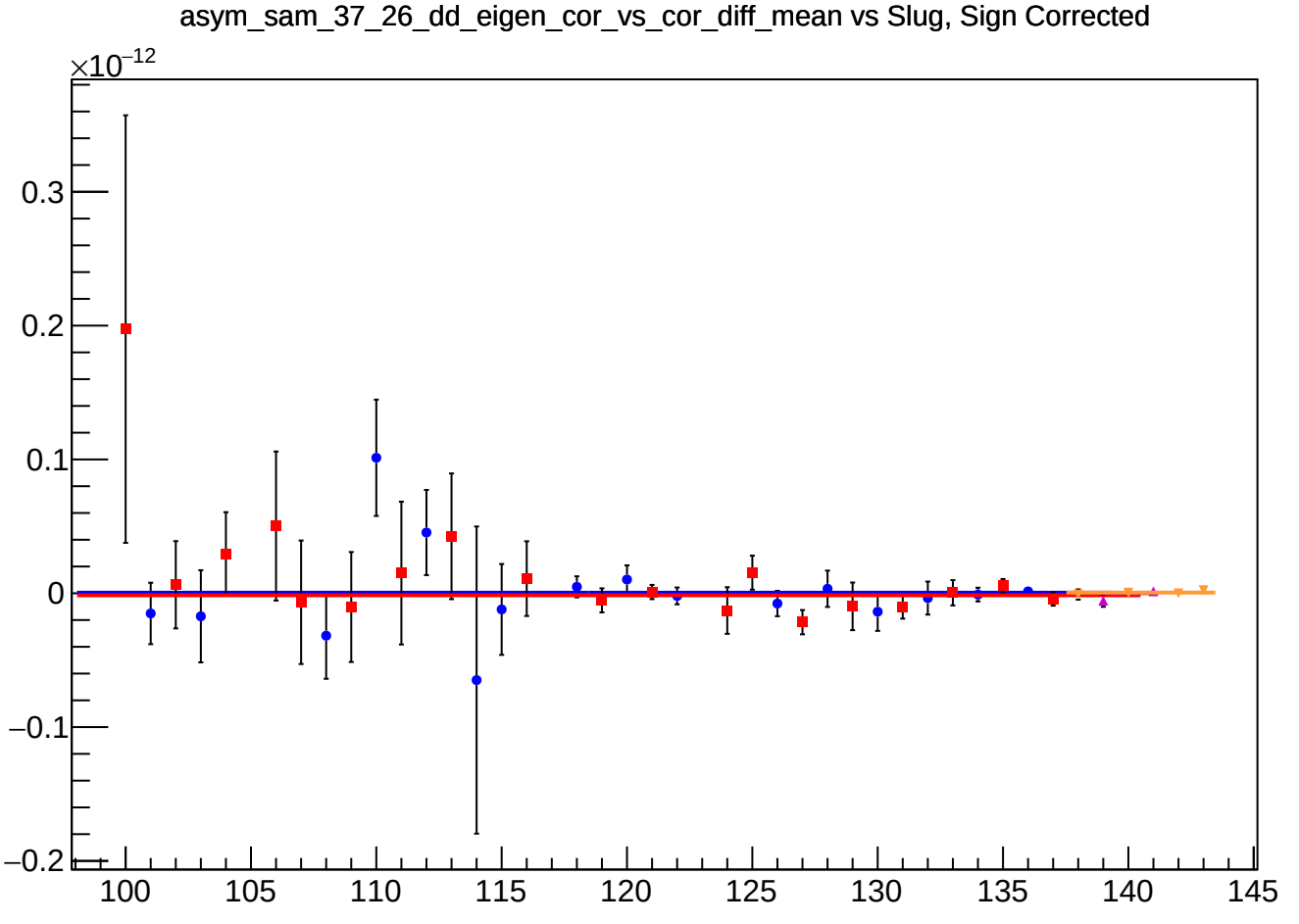
Left: 18.311+/-0.006 χ^2/NDF: 111271.2/5

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 22.437+/-0.006 χ^2/NDF:2450879.5/17

Out: 20.692+/-0.005 χ^2/NDF:3344816.1/22

All: 21.442+/-0.004 χ^2/NDF: 5845365.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

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: 2.4/5

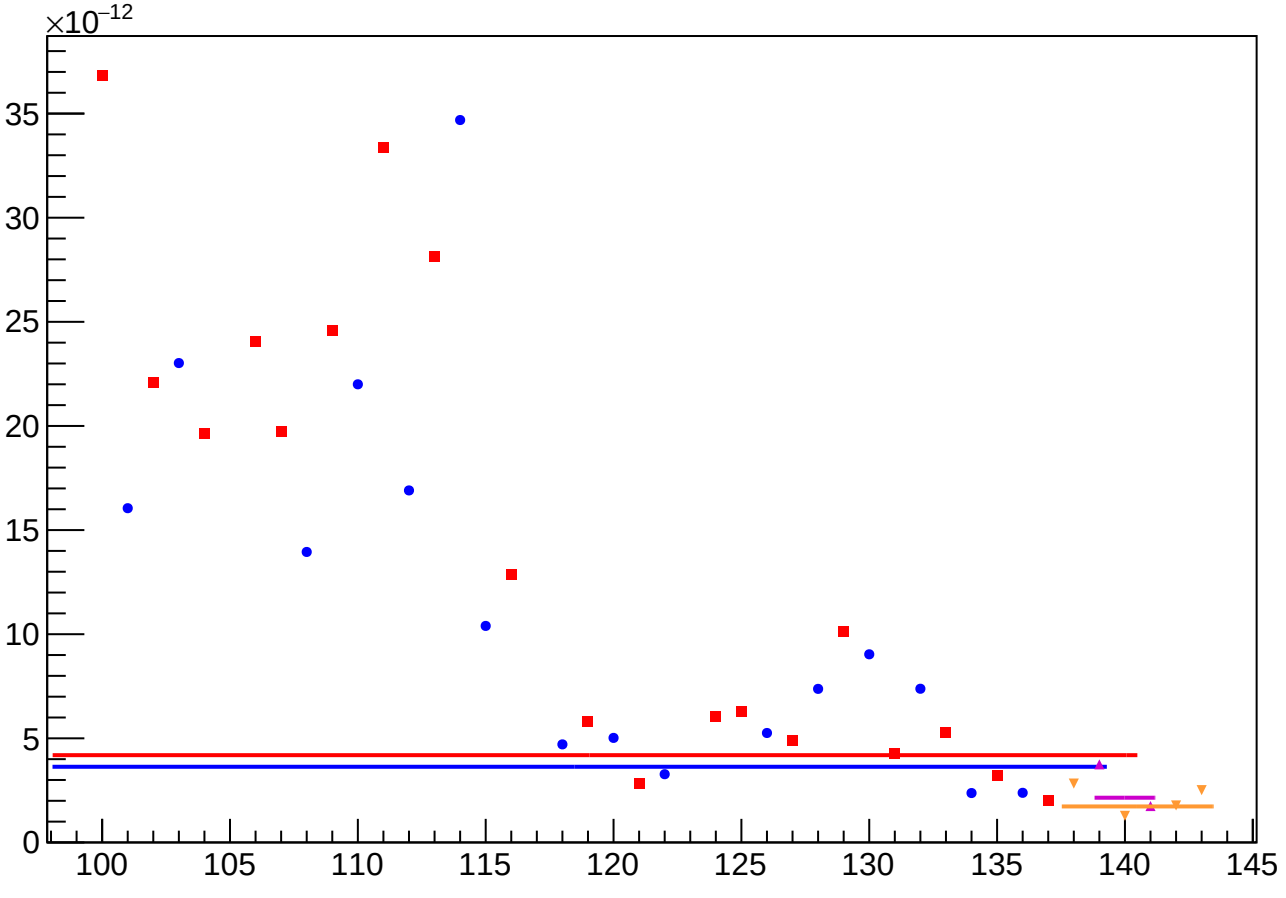
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:14.8/17

Out: 0.000+/-0.000 χ^2/NDF:16.6/22

All: 0.000+/-0.000 χ^2/NDF: 31.5/40

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:426275.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:308072.9/1

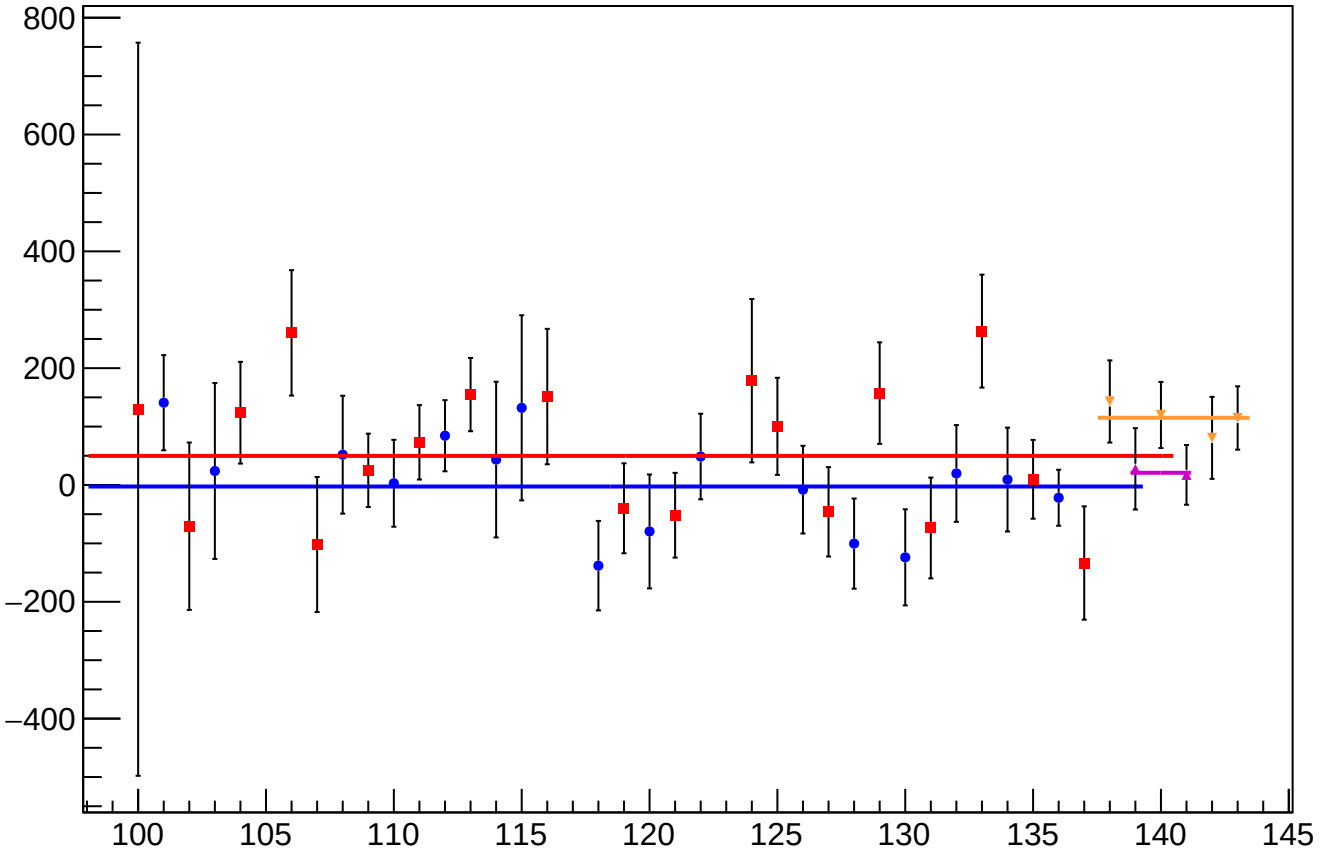
Left: 0.000+/-0.000 χ^2/NDF: 794678.5/5

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:4425885.5/17

Out: 0.000+/-0.000 χ^2/NDF:6559559.4/22

All: 0.000+/-0.000 χ^2/NDF: 11188996.7/40



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 115.084+/-30.744 χ^2/NDF:0.4/3

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: 81.410+/-24.642 χ^2/NDF: 3.8/5

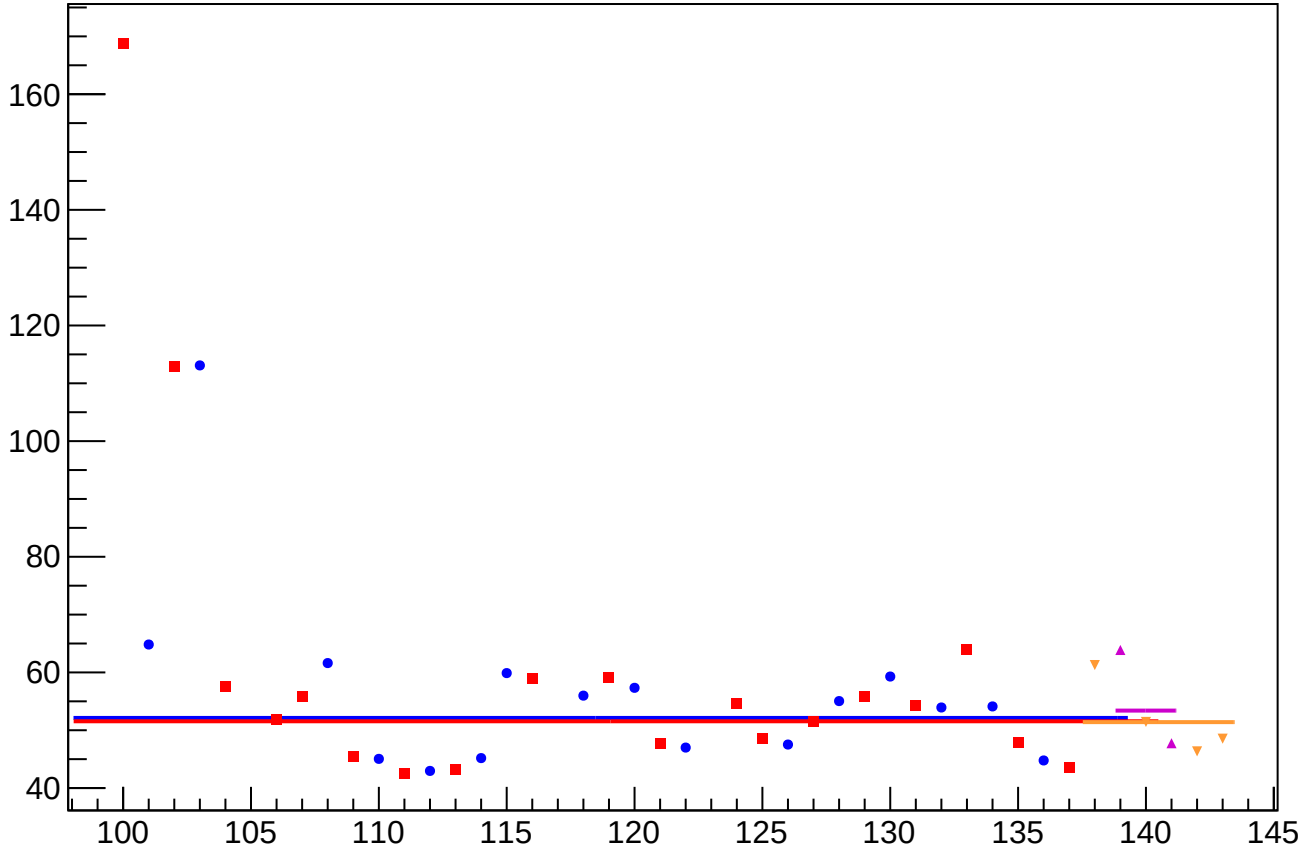
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 1.868+/-17.989 χ^2/NDF:14.9/17

Out: 68.701+/-16.540 χ^2/NDF:33.0/22

All: 38.085+/-12.176 χ^2/NDF: 55.3/40

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

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: 52.117+/-0.017 χ^2/NDF: 128024.8/5

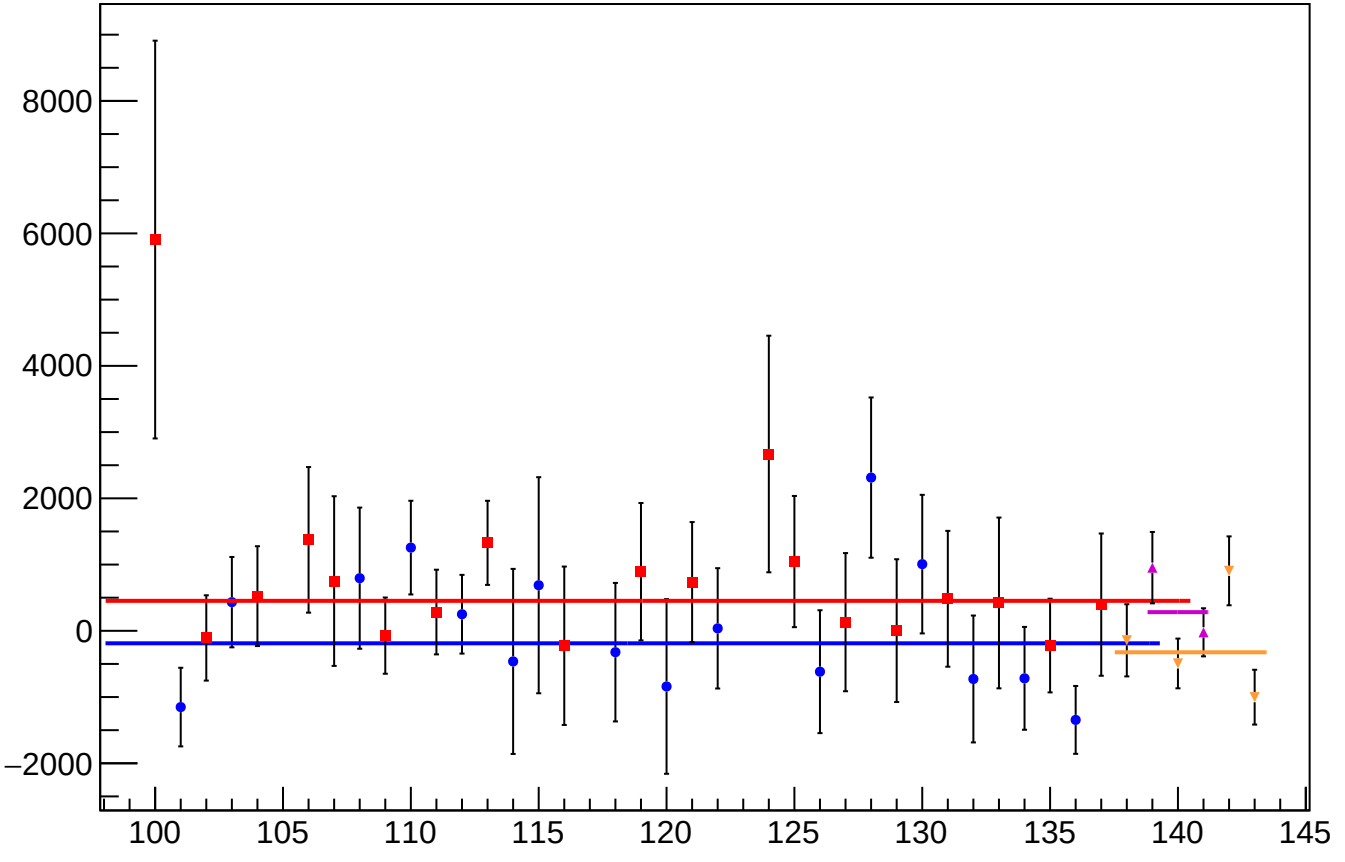
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 52.370+/-0.013 χ^2/NDF:634148.4/17

Out: 51.508+/-0.012 χ^2/NDF:694920.8/22

All: 51.903+/-0.009 χ^2/NDF: 1331560.9/40

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -324.143+/-223.580 χ^2/NDF:8.6/3

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: -108.787+/-179.519 χ^2/NDF: 13.5/5

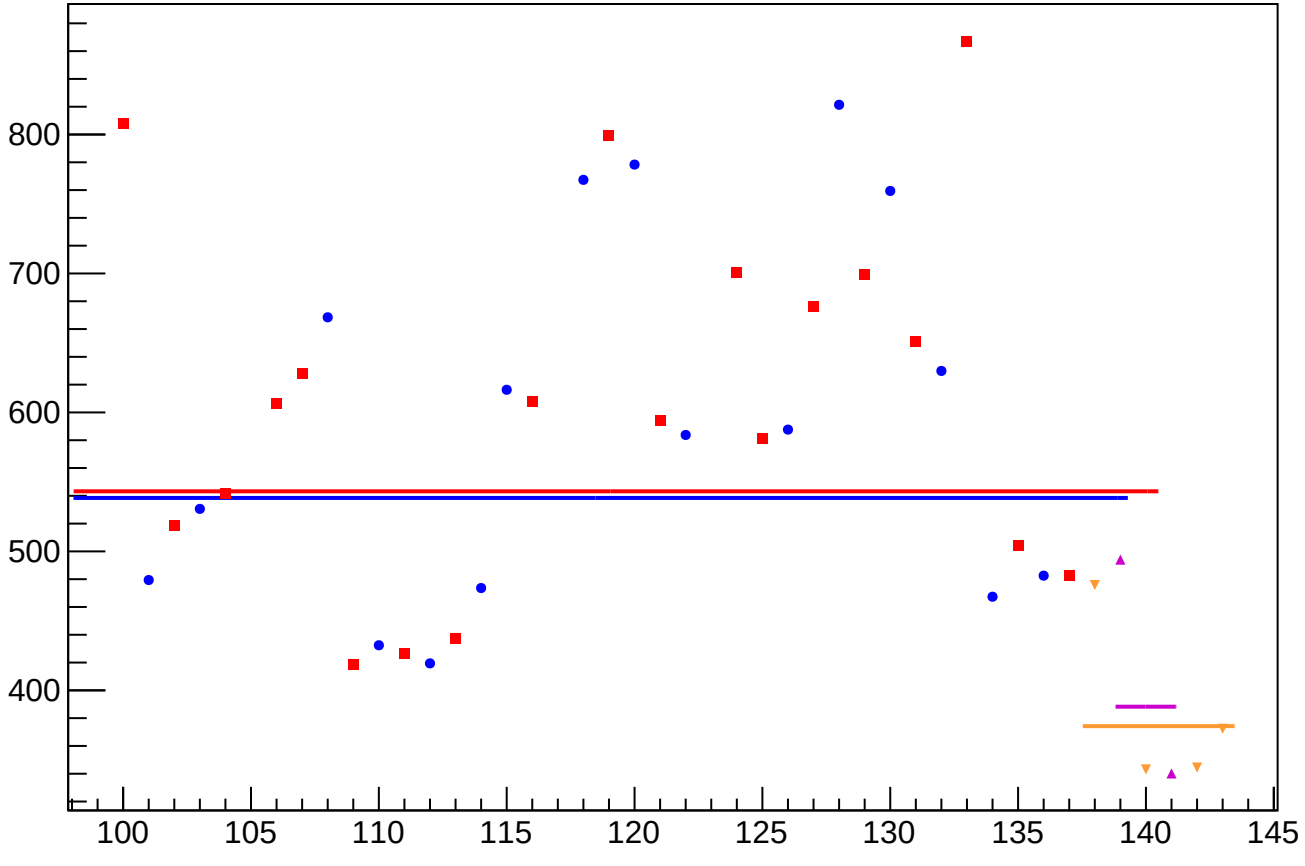
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -38.774+/-169.924 χ^2/NDF:25.3/17

Out: 99.845+/-150.664 χ^2/NDF:26.5/22

All: 38.833+/-112.733 χ^2/NDF: 52.1/40

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.2/3

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 388.241+/-0.213 χ^2/NDF:112093.2/1

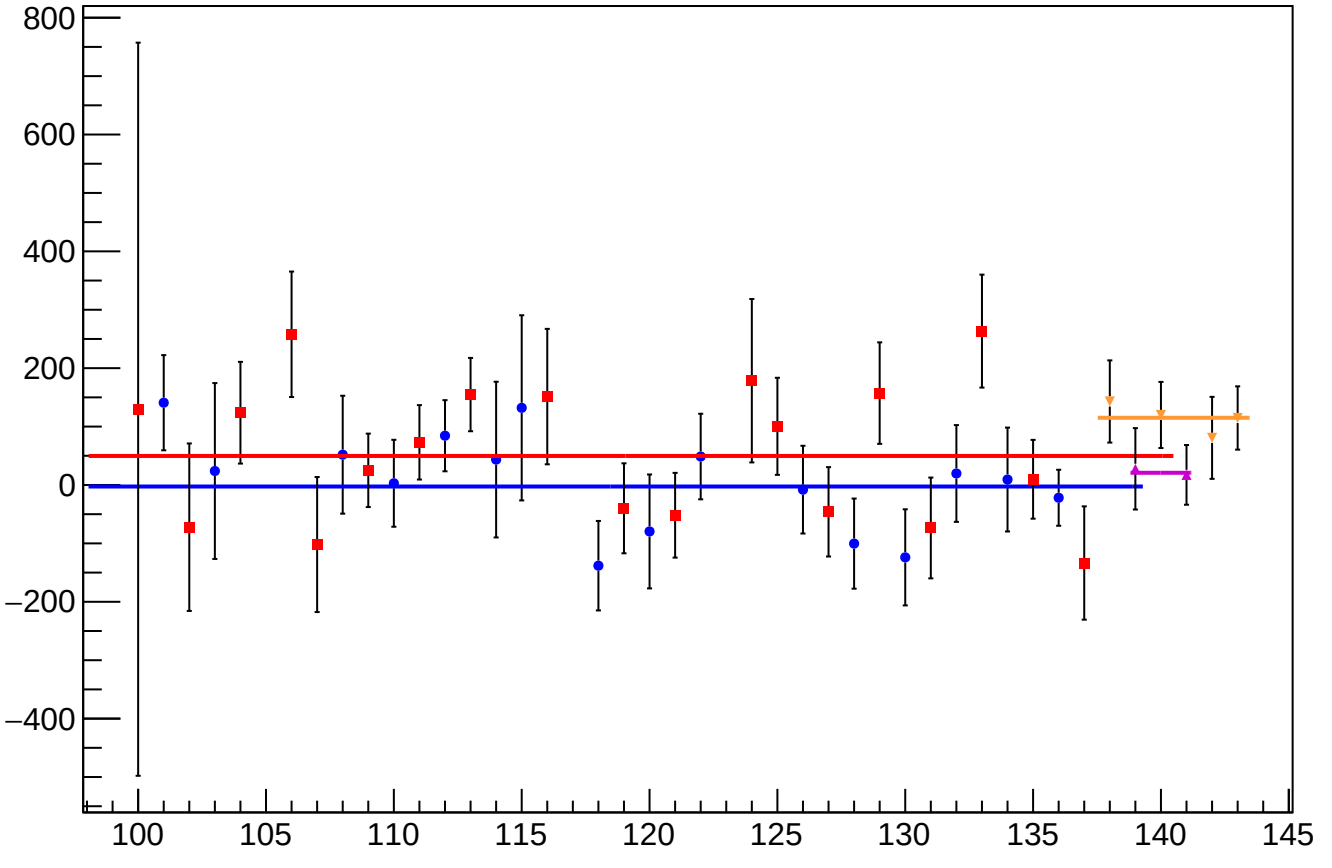
Left: 379.220+/-0.127 χ^2/NDF: 204773.5/5

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 490.645+/-0.120 χ^2/NDF:1065300.0/17

Out: 466.501+/-0.107 χ^2/NDF:1350769.6/22

All: 477.128+/-0.080 χ^2/NDF: 2438676.1/40



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 115.088+/-30.744 χ^2/NDF:0.4/3

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: 81.415+/-24.642 χ^2/NDF: 3.8/5

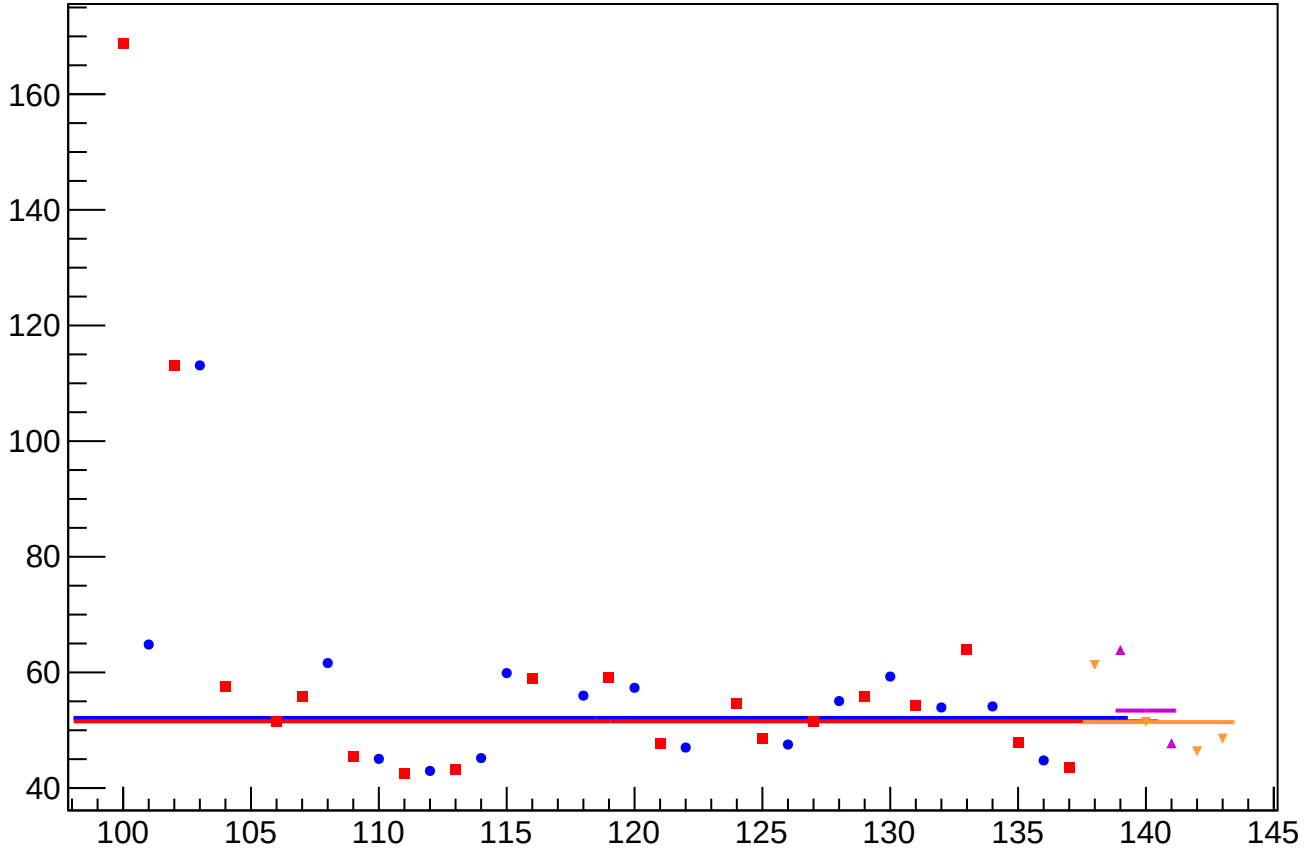
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 1.866+/-17.989 χ^2/NDF:14.9/17

Out: 68.621+/-16.540 χ^2/NDF:32.9/22

All: 38.039+/-12.176 χ^2/NDF: 55.2/40

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

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: 52.117+/-0.017 χ^2/NDF: 128024.7/5

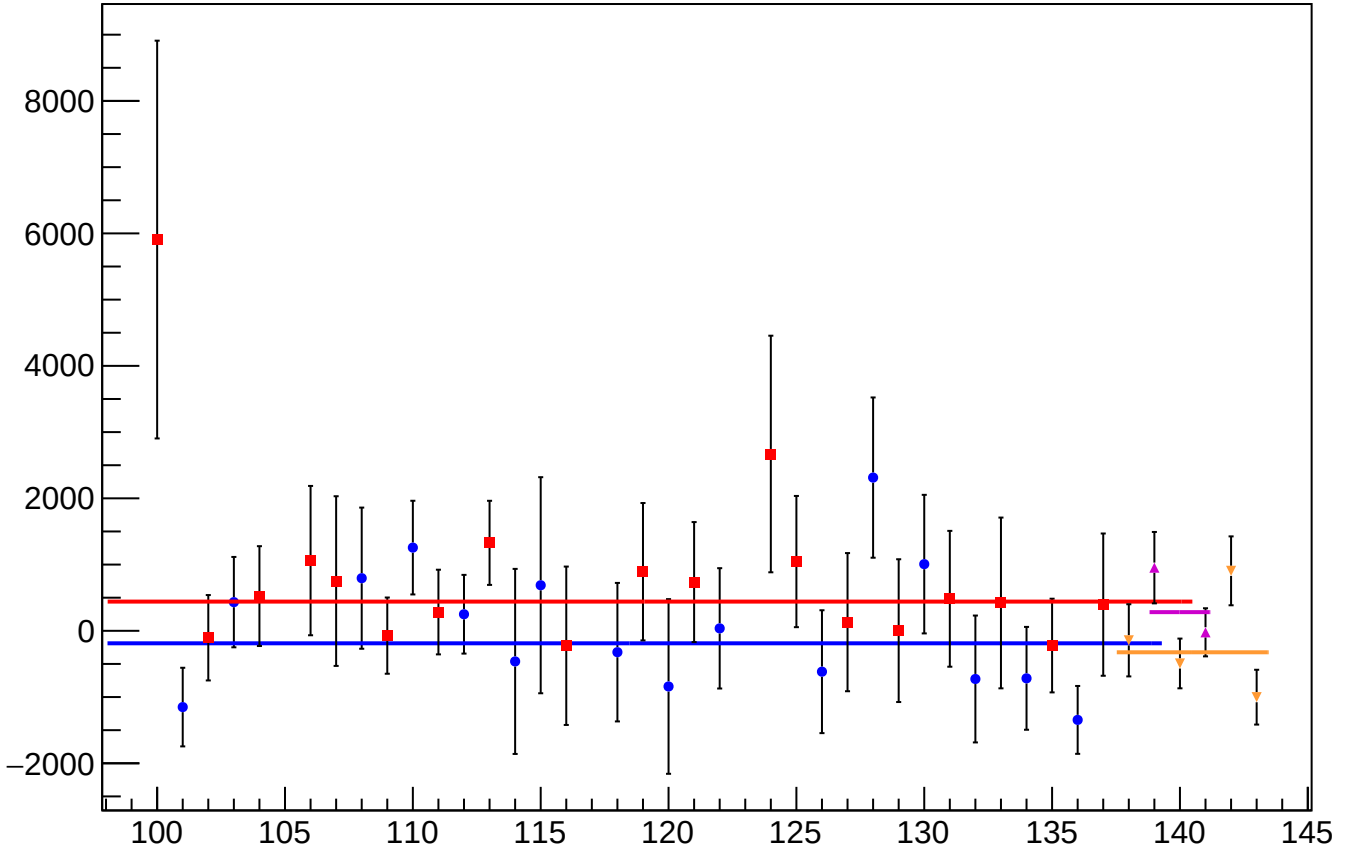
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 52.370+/-0.013 χ^2/NDF:634150.7/17

Out: 51.500+/-0.012 χ^2/NDF:695136.3/22

All: 51.899+/-0.009 χ^2/NDF: 1331821.0/40

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -324.135+/-223.579 χ^2/NDF:8.6/3

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 281.992+/-301.172 χ^2/NDF:2.3/1

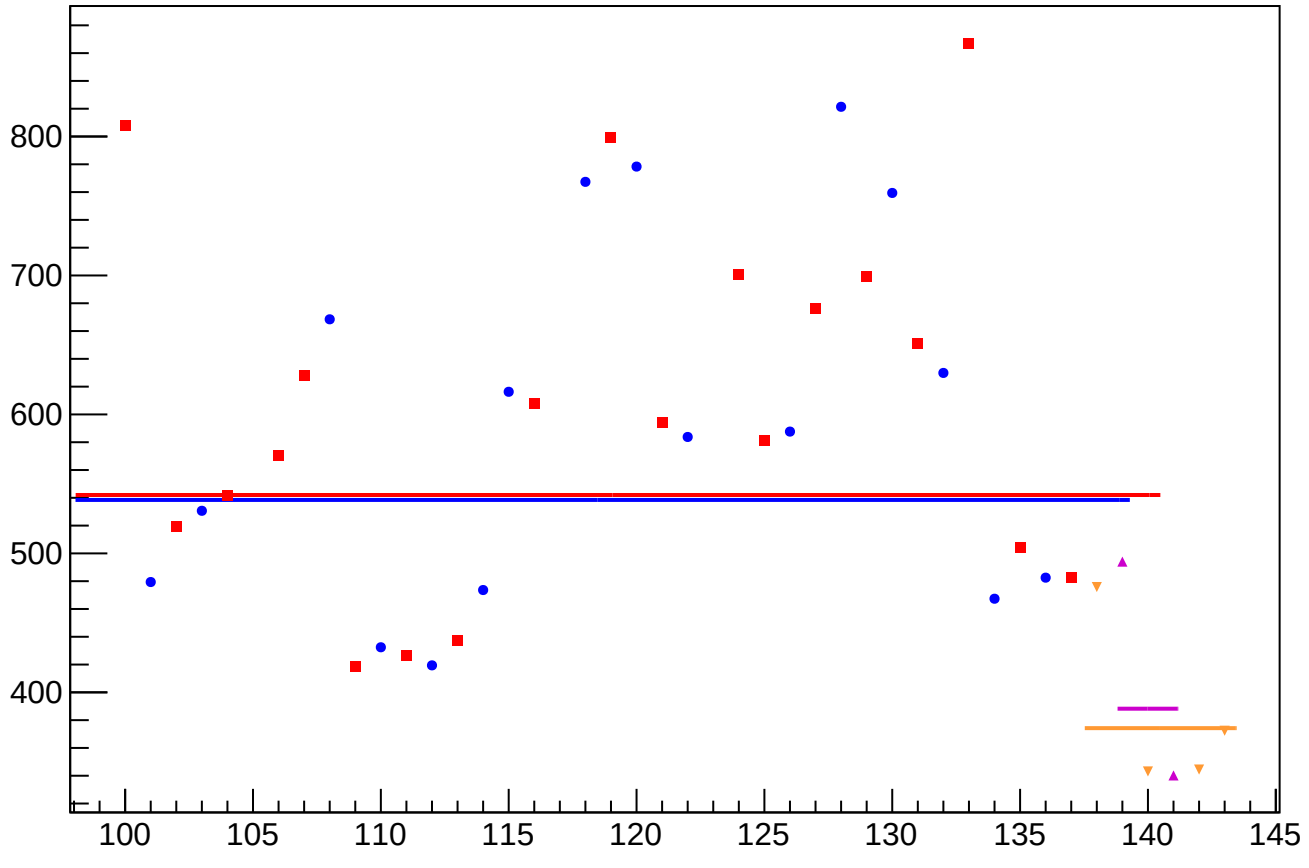
Left: -108.779+/-179.519 χ^2/NDF: 13.5/5

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -38.753+/-169.925 χ^2/NDF:25.3/17

Out: 93.283+/-150.742 χ^2/NDF:25.9/22

All: 35.136+/-112.766 χ^2/NDF: 51.5/40



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.248+/-0.158 χ^2/NDF:89897.4/3

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 388.241+/-0.213 χ^2/NDF:112091.7/1

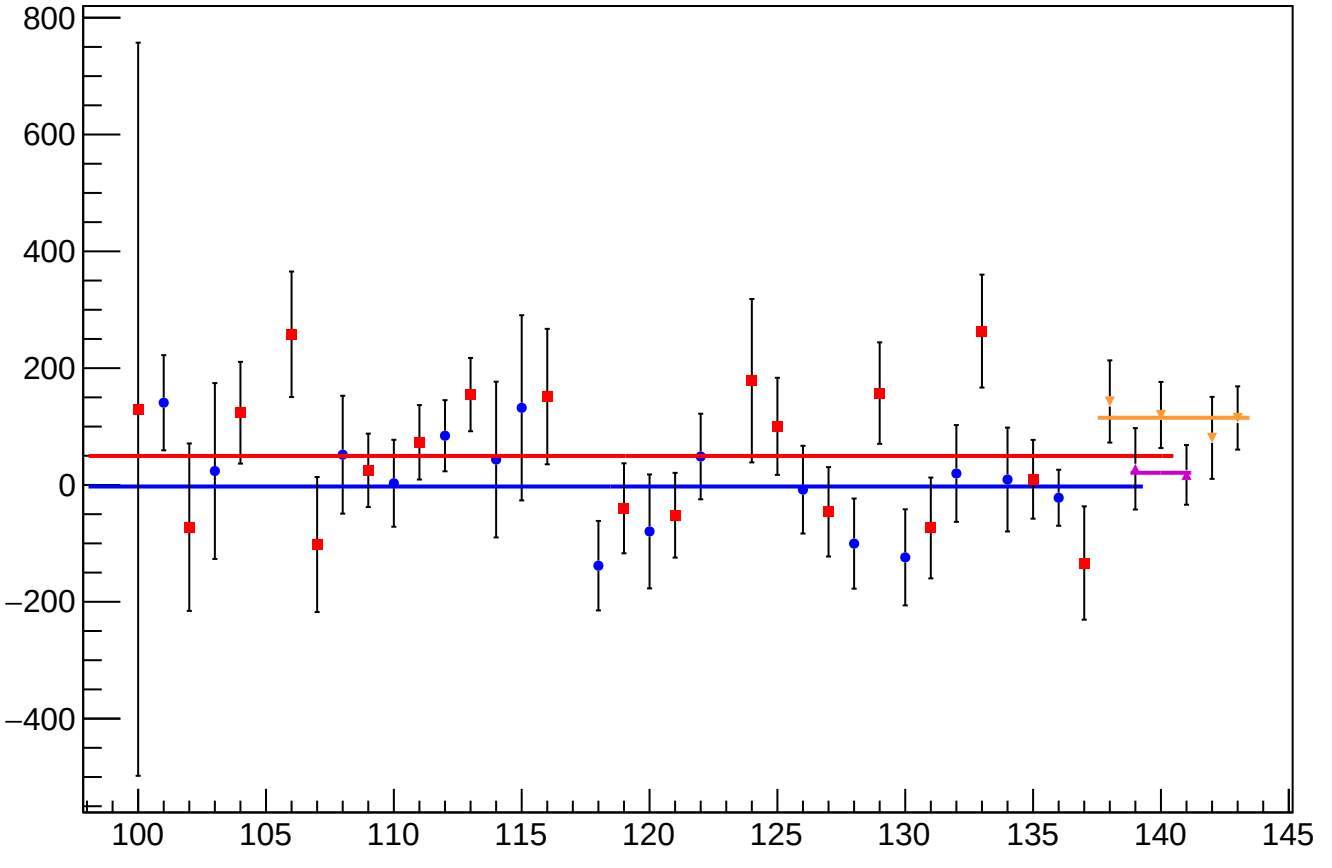
Left: 379.220+/-0.127 χ^2/NDF: 204772.6/5

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 490.649+/-0.120 χ^2/NDF:1065314.1/17

Out: 465.758+/-0.107 χ^2/NDF:1335742.2/22

All: 476.720+/-0.080 χ^2/NDF: 2425070.5/40



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 115.088+/-30.744 χ^2/NDF:0.4/3

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 20.914+/-41.210 χ^2/NDF:0.0/1

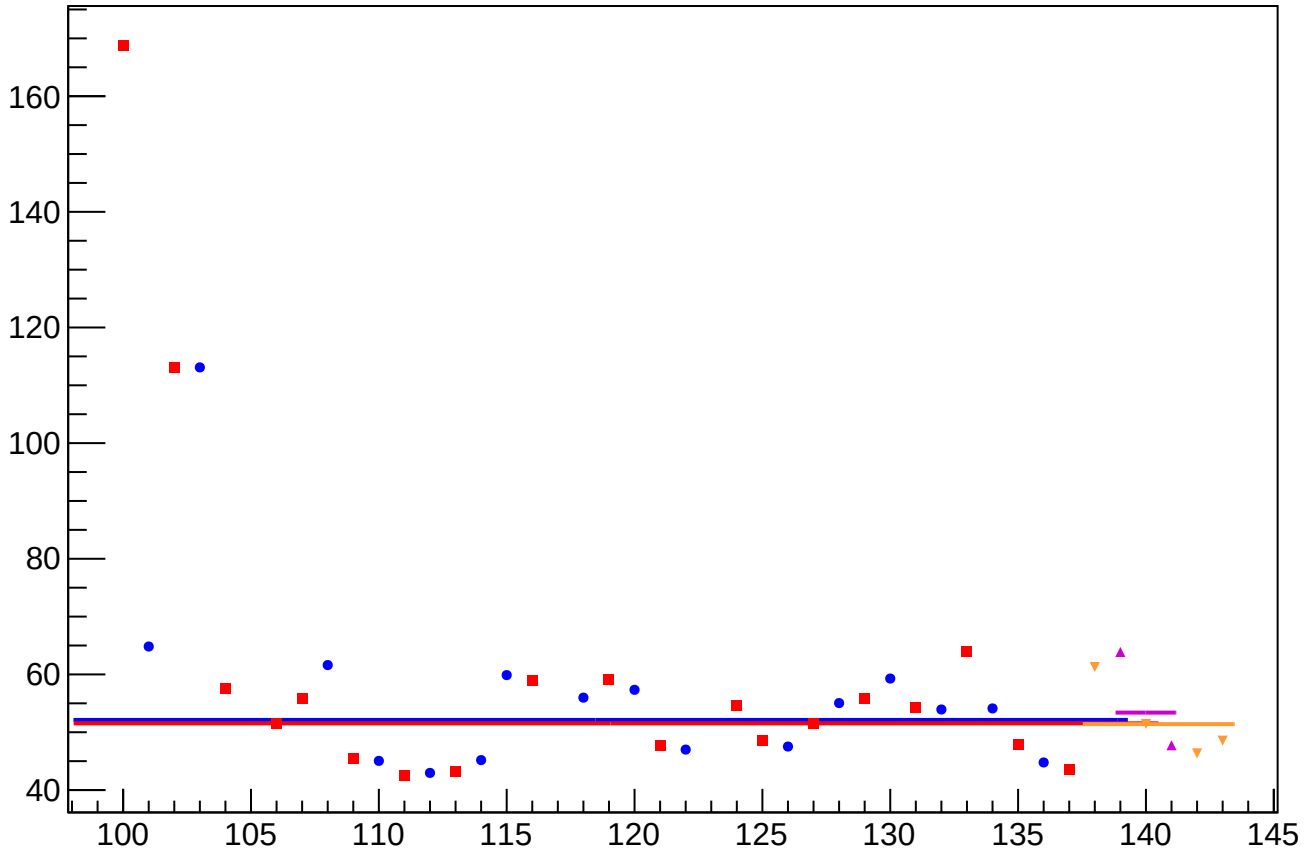
Left: 81.415+/-24.642 χ^2/NDF: 3.8/5

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 1.866+/-17.989 χ^2/NDF:14.9/17

Out: 68.621+/-16.540 χ^2/NDF:32.9/22

All: 38.039+/-12.176 χ^2/NDF: 55.2/40



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 51.404+/-0.022 χ^2/NDF:55324.1/3

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: 52.117+/-0.017 χ^2/NDF: 128024.7/5

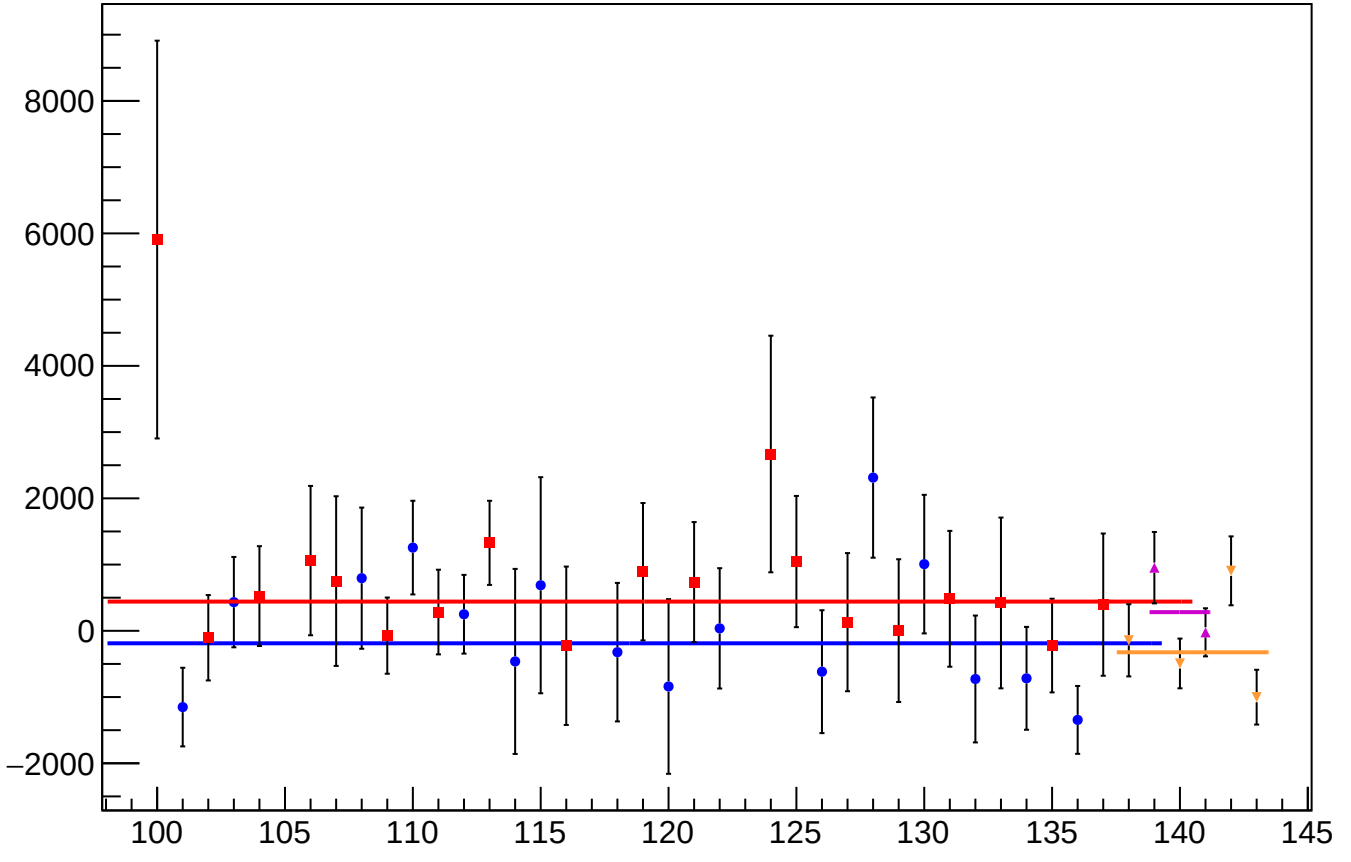
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 52.370+/-0.013 χ^2/NDF:634150.7/17

Out: 51.500+/-0.012 χ^2/NDF:695136.3/22

All: 51.899+/-0.009 χ^2/NDF: 1331821.0/40

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: -324.135+/-223.579 χ^2/NDF:8.6/3

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: -108.779+/-179.519 χ^2/NDF: 13.5/5

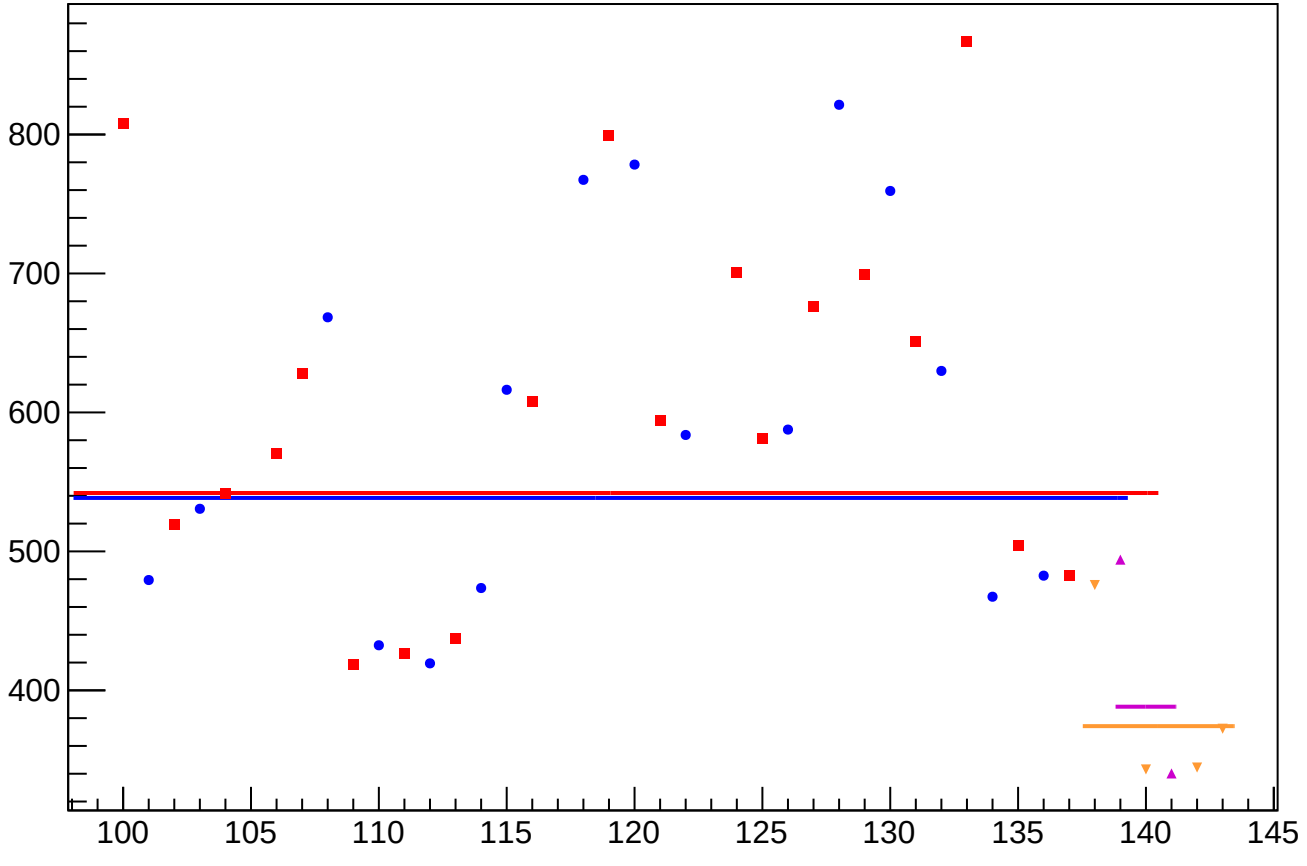
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -38.753+/-169.925 χ^2/NDF:25.3/17

Out: 93.283+/-150.742 χ^2/NDF:25.9/22

All: 35.136+/-112.766 χ^2/NDF: 51.5/40

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: 374.248+/-0.158 χ^2/NDF:89897.4/3

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 388.241+/-0.213 χ^2/NDF:112091.7/1

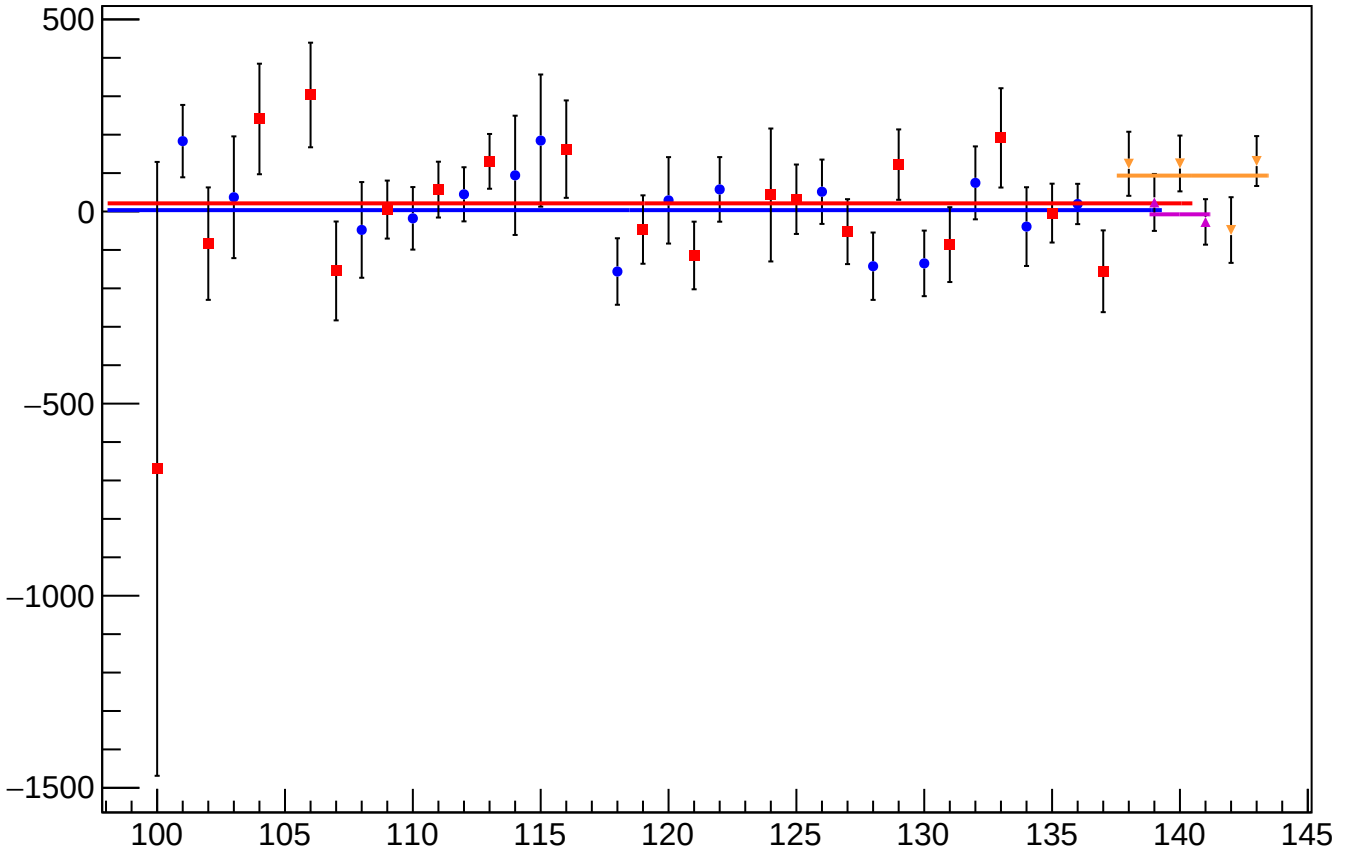
Left: 379.220+/-0.127 χ^2/NDF: 204772.6/5

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 490.649+/-0.120 χ^2/NDF:1065314.1/17

Out: 465.758+/-0.107 χ^2/NDF:1335742.2/22

All: 476.720+/-0.080 χ^2/NDF: 2425070.5/40



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 93.502+/-37.595 χ^2/NDF:3.4/3

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: 53.402+/-29.174 χ^2/NDF: 6.6/5

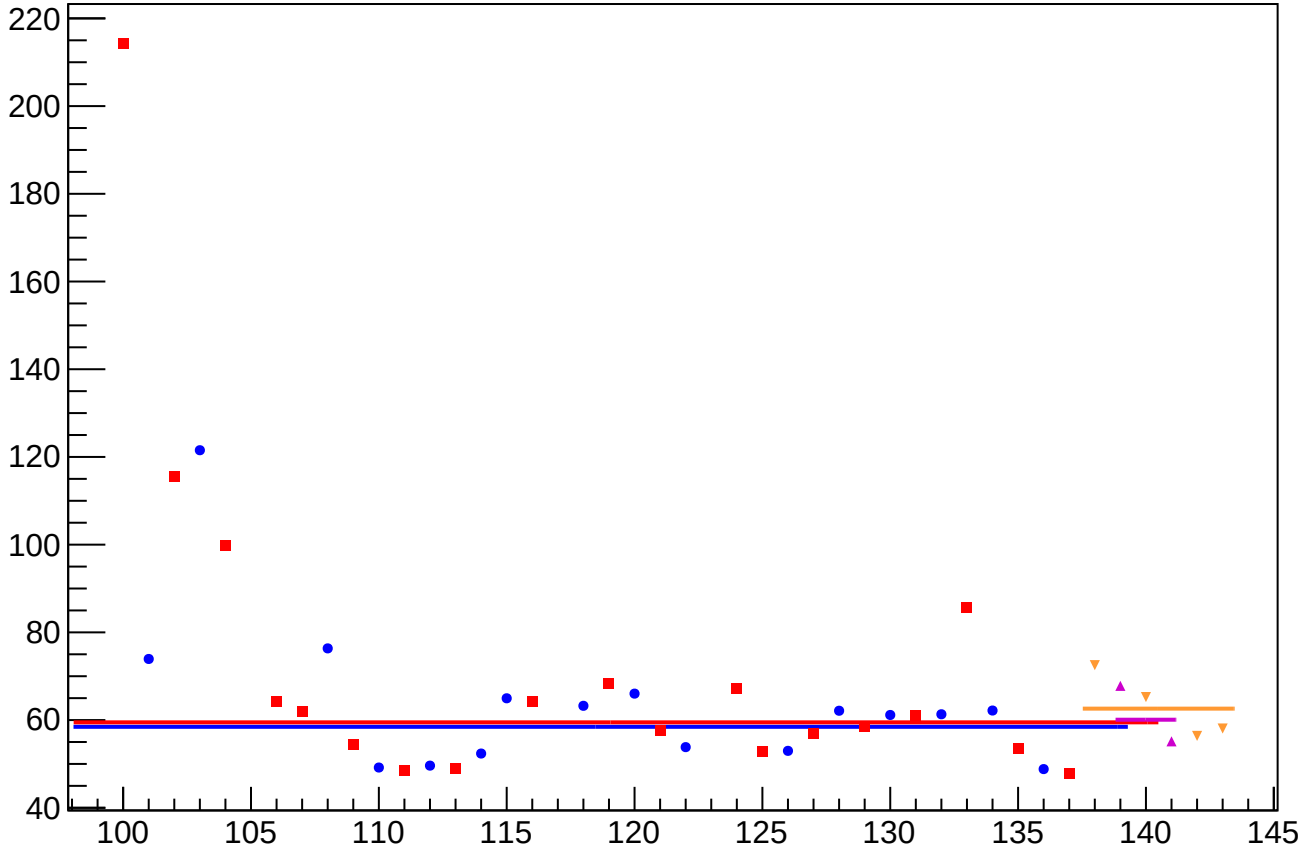
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 1.515+/-20.219 χ^2/NDF:16.5/17

Out: 40.642+/-19.475 χ^2/NDF:30.5/22

All: 21.811+/-14.027 χ^2/NDF: 49.0/40

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 62.608+/-0.027 χ^2/NDF:51238.3/3

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: 61.603+/-0.021 χ^2/NDF: 90419.2/5

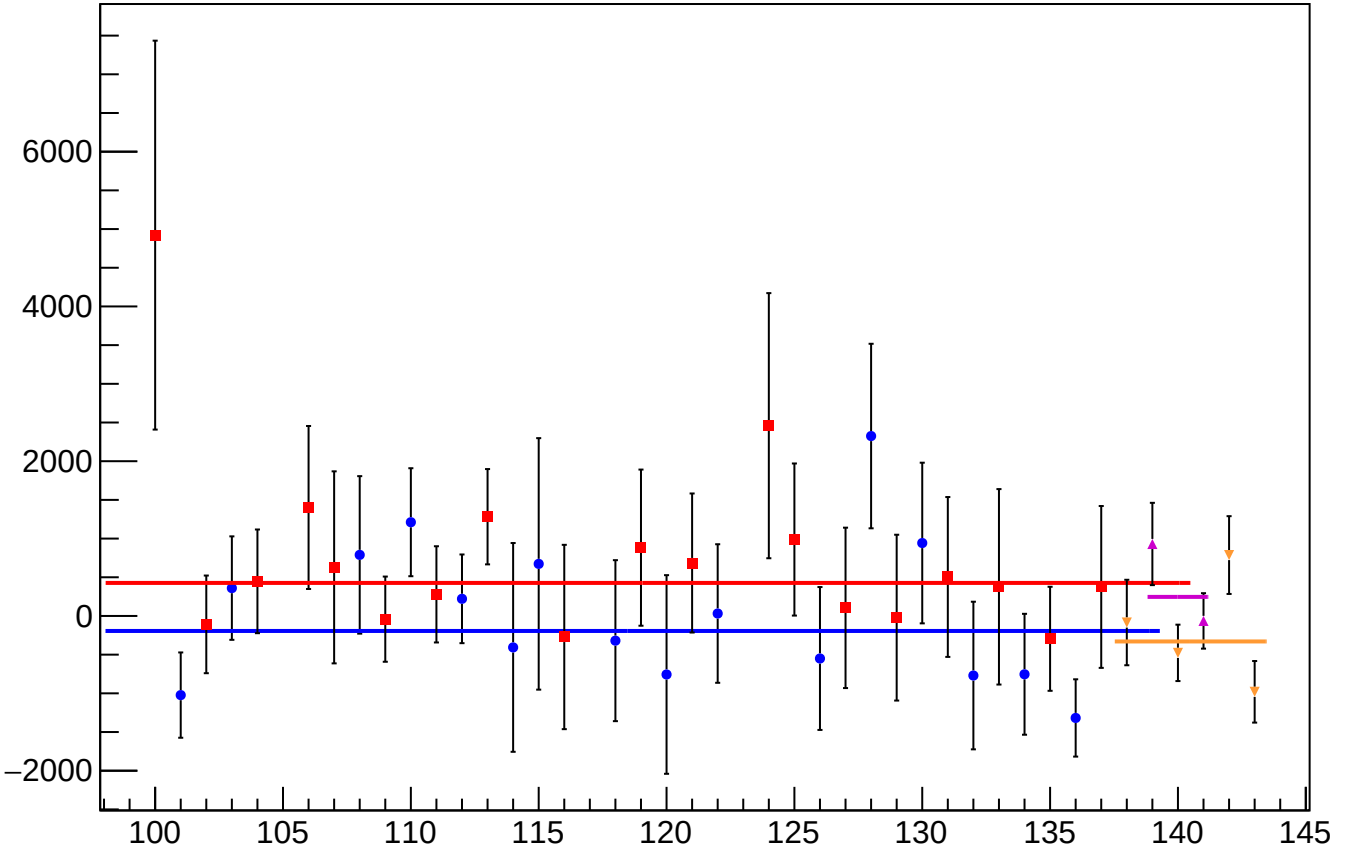
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.774+/-0.014 χ^2/NDF:620547.4/17

Out: 60.322+/-0.014 χ^2/NDF:846224.9/22

All: 59.577+/-0.010 χ^2/NDF: 1472855.6/40

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -329.506+/-217.779 χ^2/NDF:8.0/3

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 246.420+/-297.132 χ^2/NDF:2.4/1

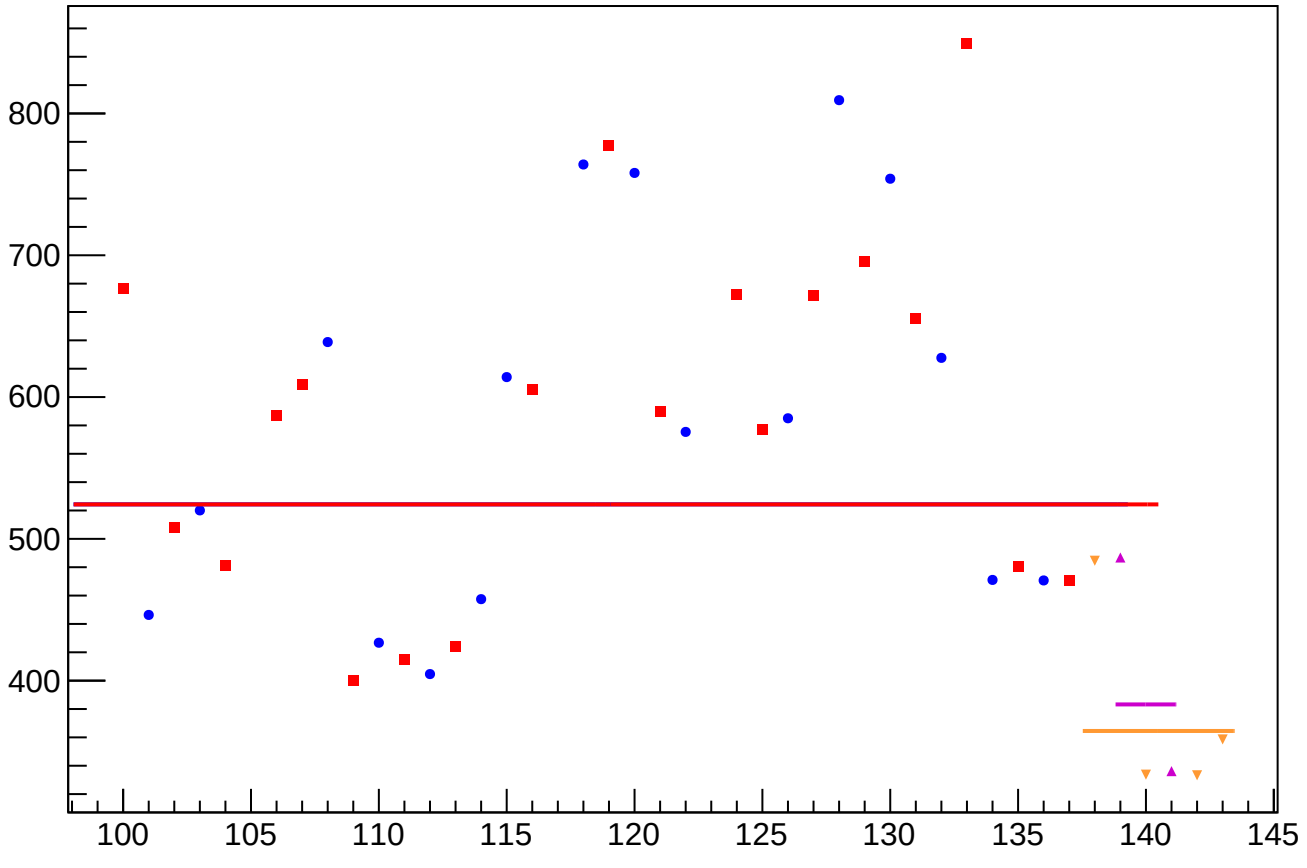
Left: -128.240+/-175.651 χ^2/NDF: 12.8/5

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -56.038+/-166.260 χ^2/NDF:24.7/17

Out: 86.527+/-146.097 χ^2/NDF:25.9/22

All: 24.409+/-109.746 χ^2/NDF: 51.0/40



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 364.515+/-0.154 χ^2/NDF:116984.2/3

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 383.236+/-0.210 χ^2/NDF:110429.7/1

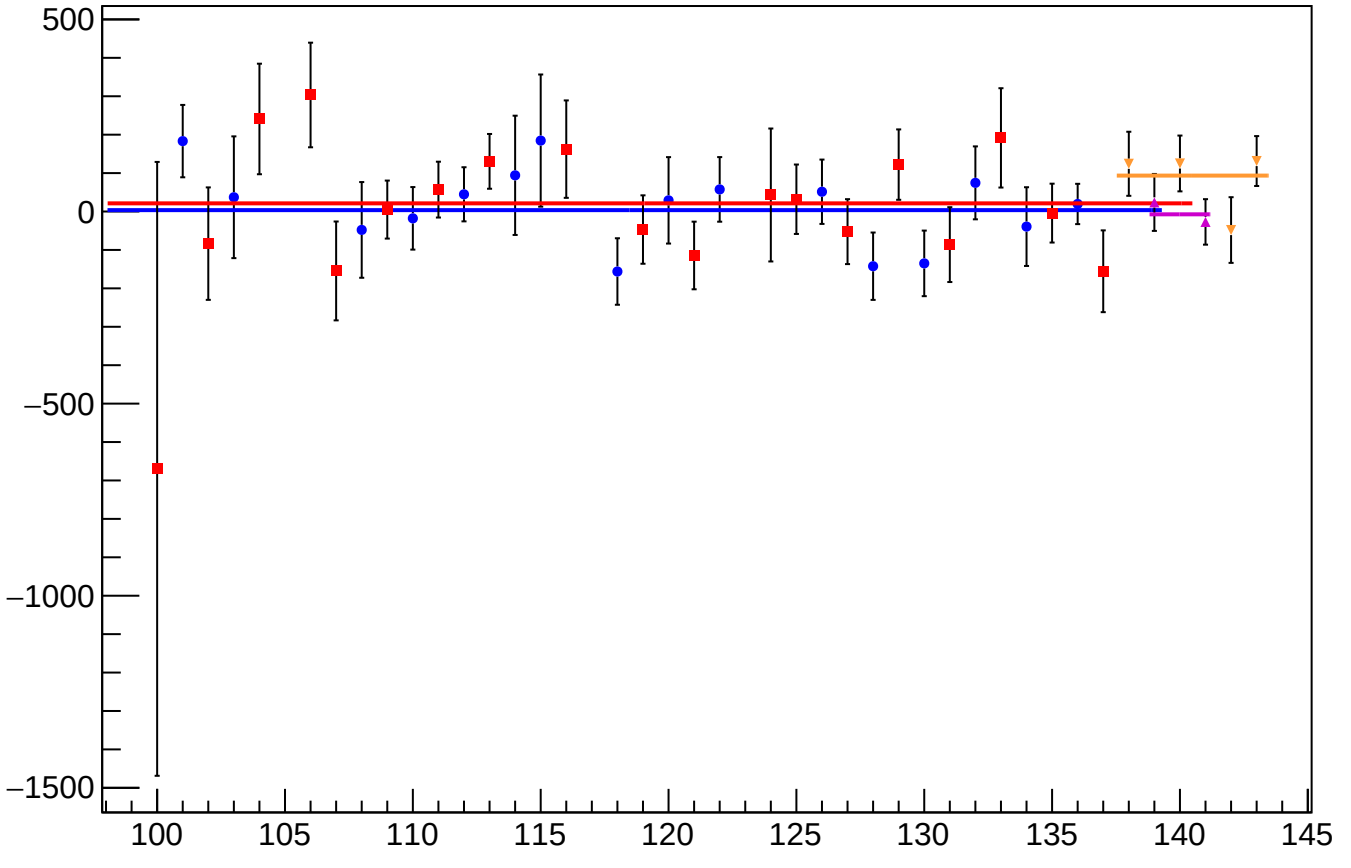
Left: 371.057+/-0.124 χ^2/NDF: 232578.8/5

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 480.152+/-0.118 χ^2/NDF:1078675.9/17

Out: 452.394+/-0.103 χ^2/NDF:1395201.1/22

All: 464.488+/-0.078 χ^2/NDF: 2505335.1/40



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 93.502+/-37.595 χ^2/NDF:3.4/3

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: 53.402+/-29.174 χ^2/NDF: 6.6/5

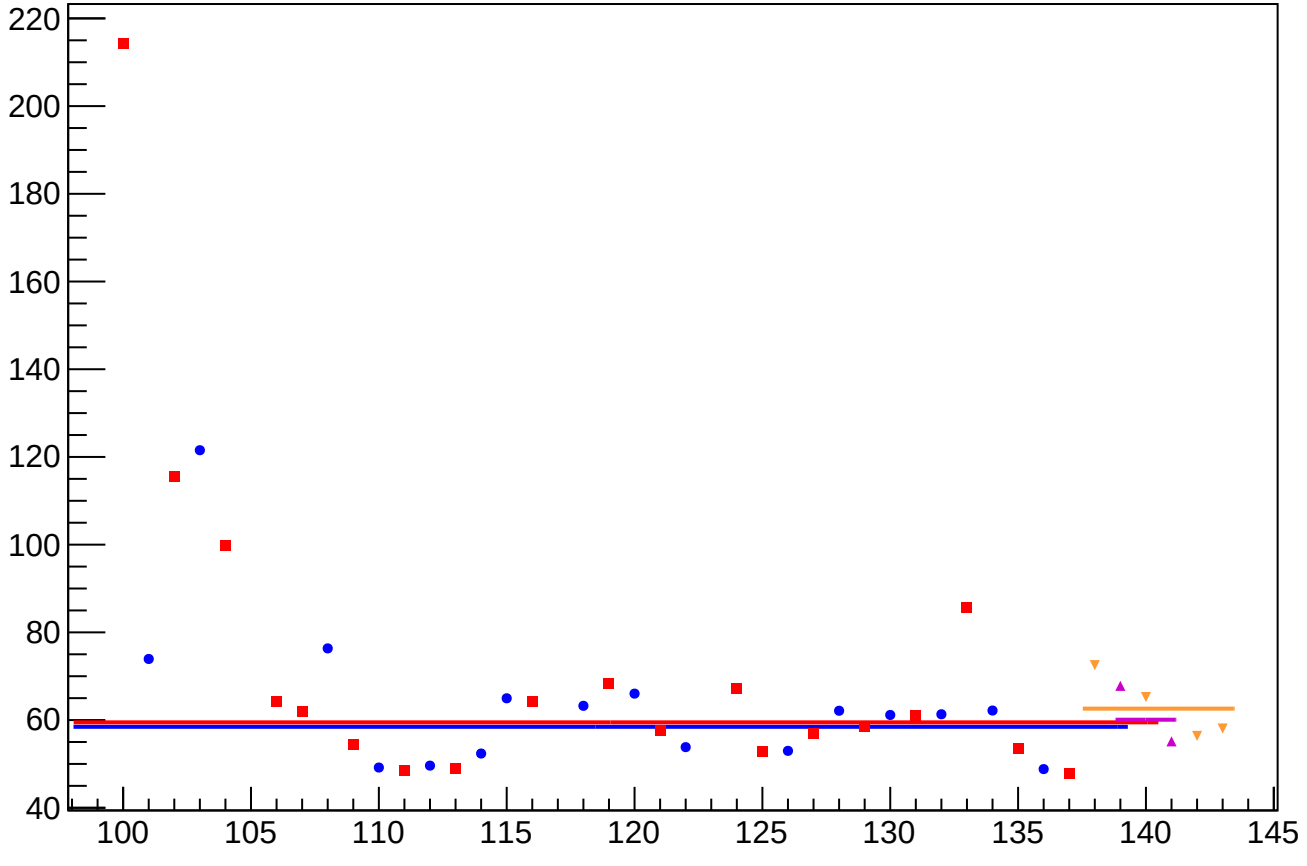
Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 1.515+/-20.219 χ^2/NDF:16.5/17

Out: 40.641+/-19.475 χ^2/NDF:30.5/22

All: 21.810+/-14.027 χ^2/NDF: 49.0/40

eigen_dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 62.609+/-0.027 χ^2/NDF:51236.6/3

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: 61.604+/-0.021 χ^2/NDF: 90416.3/5

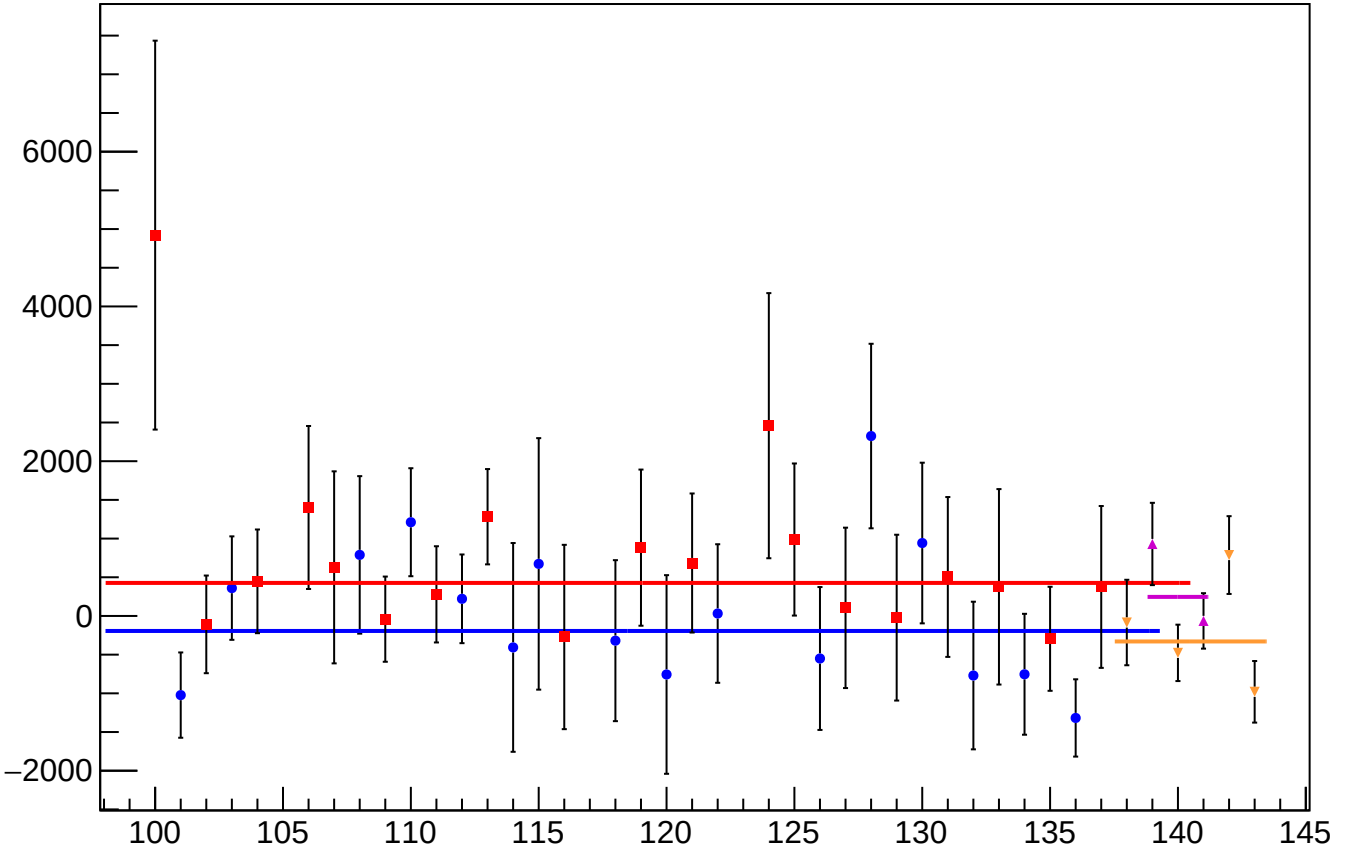
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.774+/-0.014 χ^2/NDF:620542.6/17

Out: 60.323+/-0.014 χ^2/NDF:846224.7/22

All: 59.578+/-0.010 χ^2/NDF: 1472851.0/40

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: -329.507+/-217.778 χ^2/NDF:8.0/3

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 246.420+/-297.132 χ^2/NDF:2.4/1

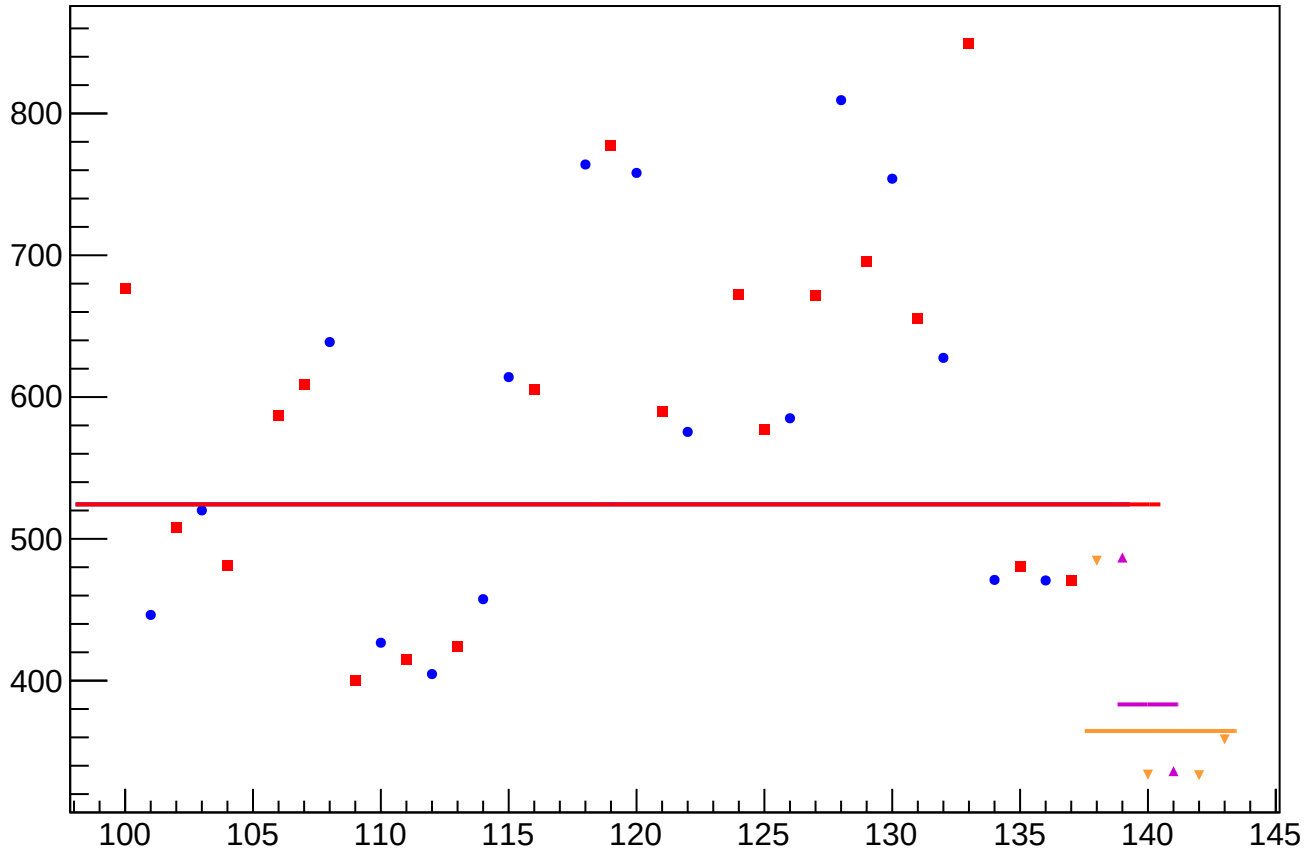
Left: -128.241+/-175.651 χ^2/NDF: 12.8/5

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -56.038+/-166.260 χ^2/NDF:24.7/17

Out: 86.527+/-146.097 χ^2/NDF:25.9/22

All: 24.409+/-109.746 χ^2/NDF: 51.0/40



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 364.515+/-0.154 χ^2/NDF:116985.3/3

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: 371.057+/-0.124 χ^2/NDF: 232580.5/5

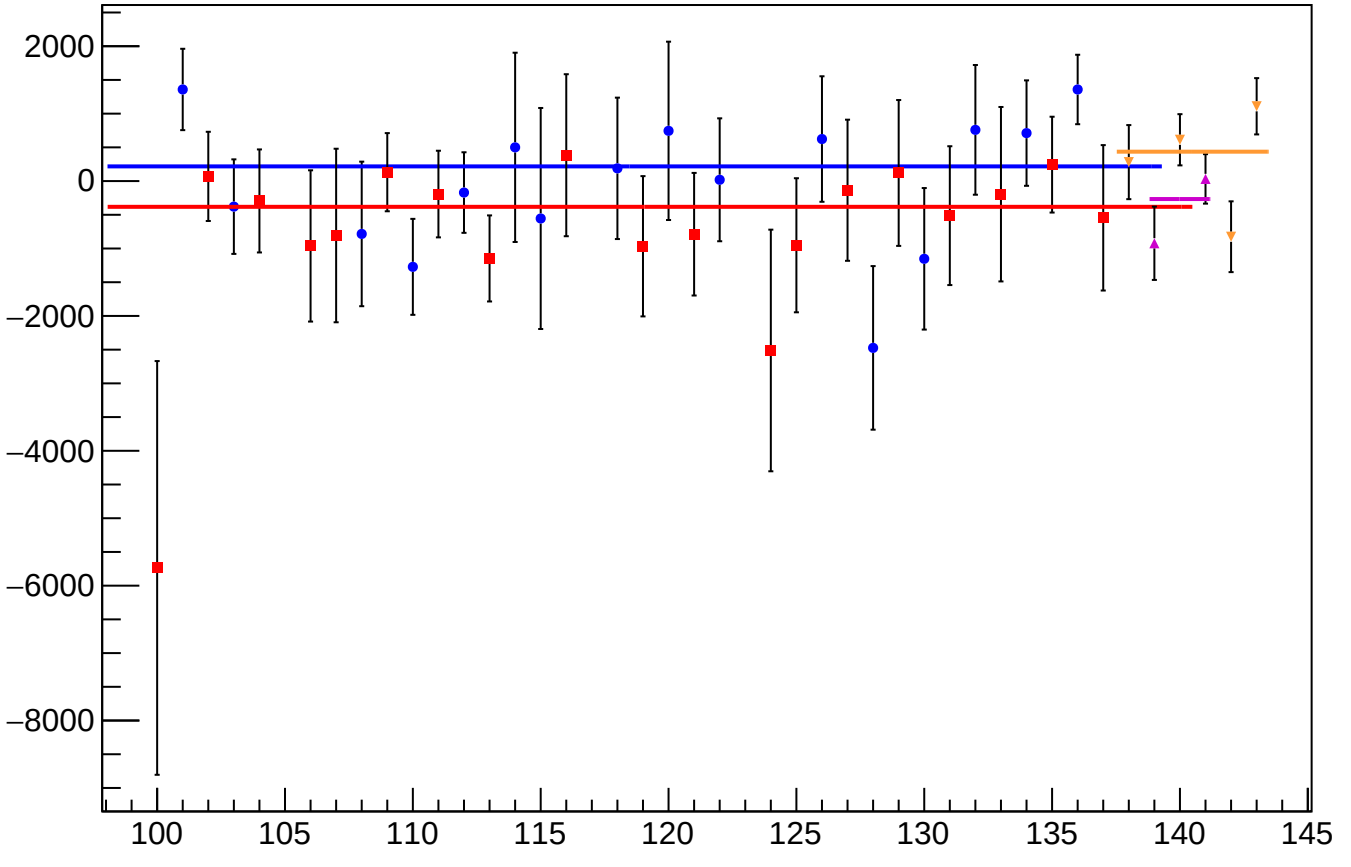
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 480.151+/-0.118 χ^2/NDF:1078676.6/17

Out: 452.393+/-0.103 χ^2/NDF:1395199.6/22

All: 464.488+/-0.078 χ^2/NDF: 2505334.5/40

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 435.846+/-225.762 χ^2/NDF:8.7/3

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: 186.240+/-181.254 χ^2/NDF: 14.2/5

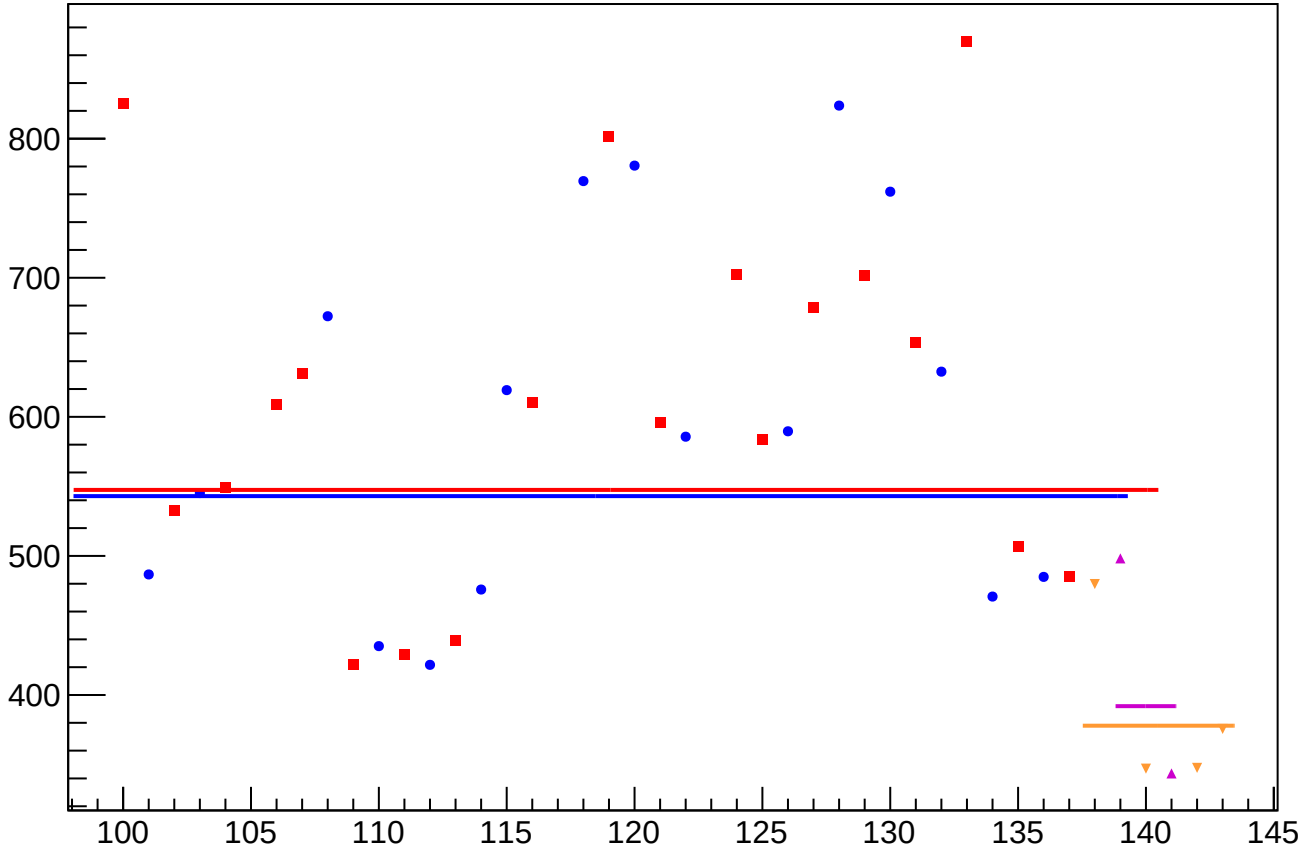
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 63.898+/-171.383 χ^2/NDF:26.7/17

Out: -11.160+/-152.004 χ^2/NDF:25.8/22

All: 21.888+/-113.720 χ^2/NDF: 52.7/40

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 377.924+/-0.160 χ^2/NDF:88746.1/3

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 391.976+/-0.215 χ^2/NDF:111214.5/1

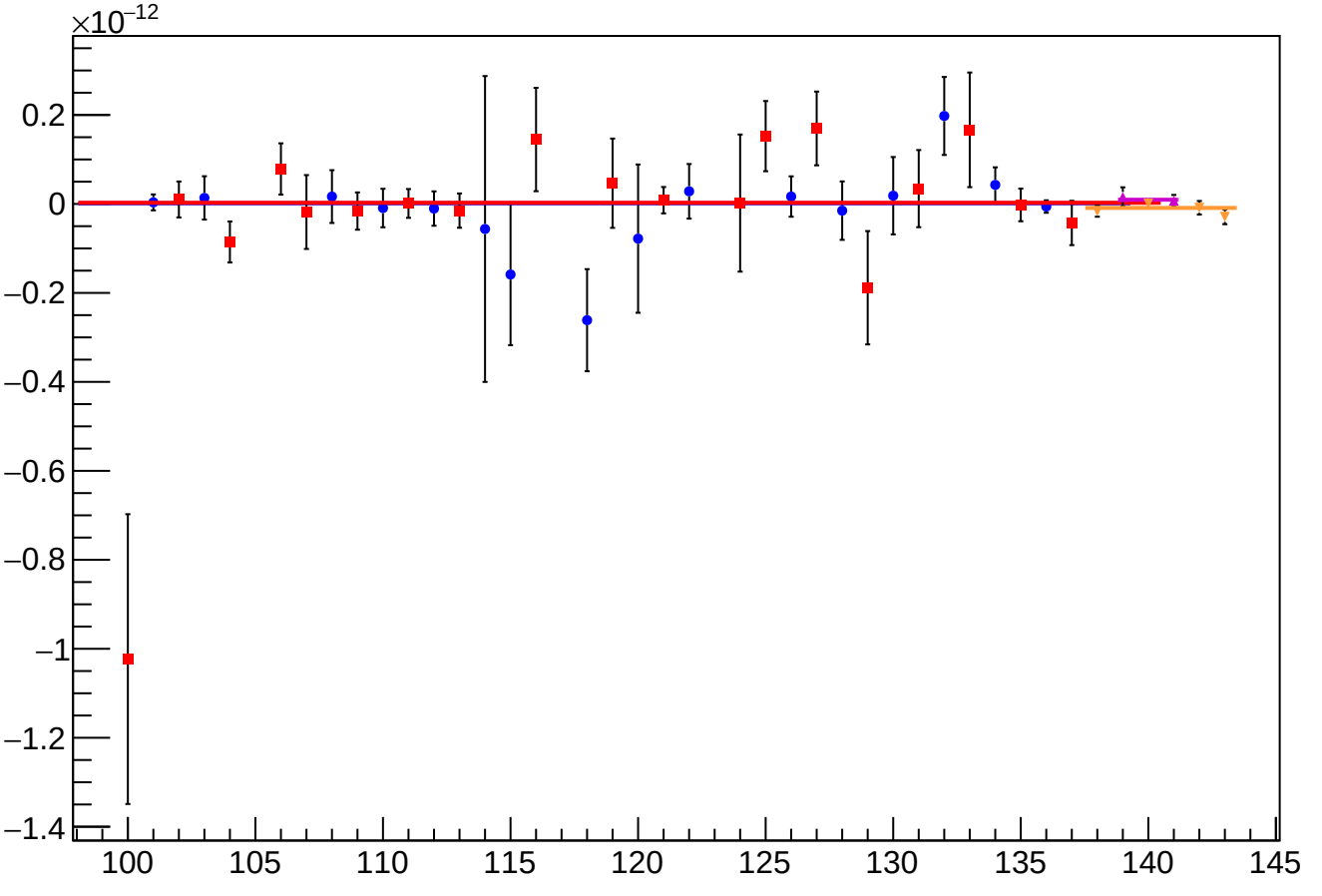
Left: 382.918+/-0.128 χ^2/NDF: 202714.6/5

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 495.008+/-0.121 χ^2/NDF:1053139.2/17

Out: 470.607+/-0.107 χ^2/NDF:1335632.3/22

All: 481.351+/-0.080 χ^2/NDF: 2411462.8/40



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

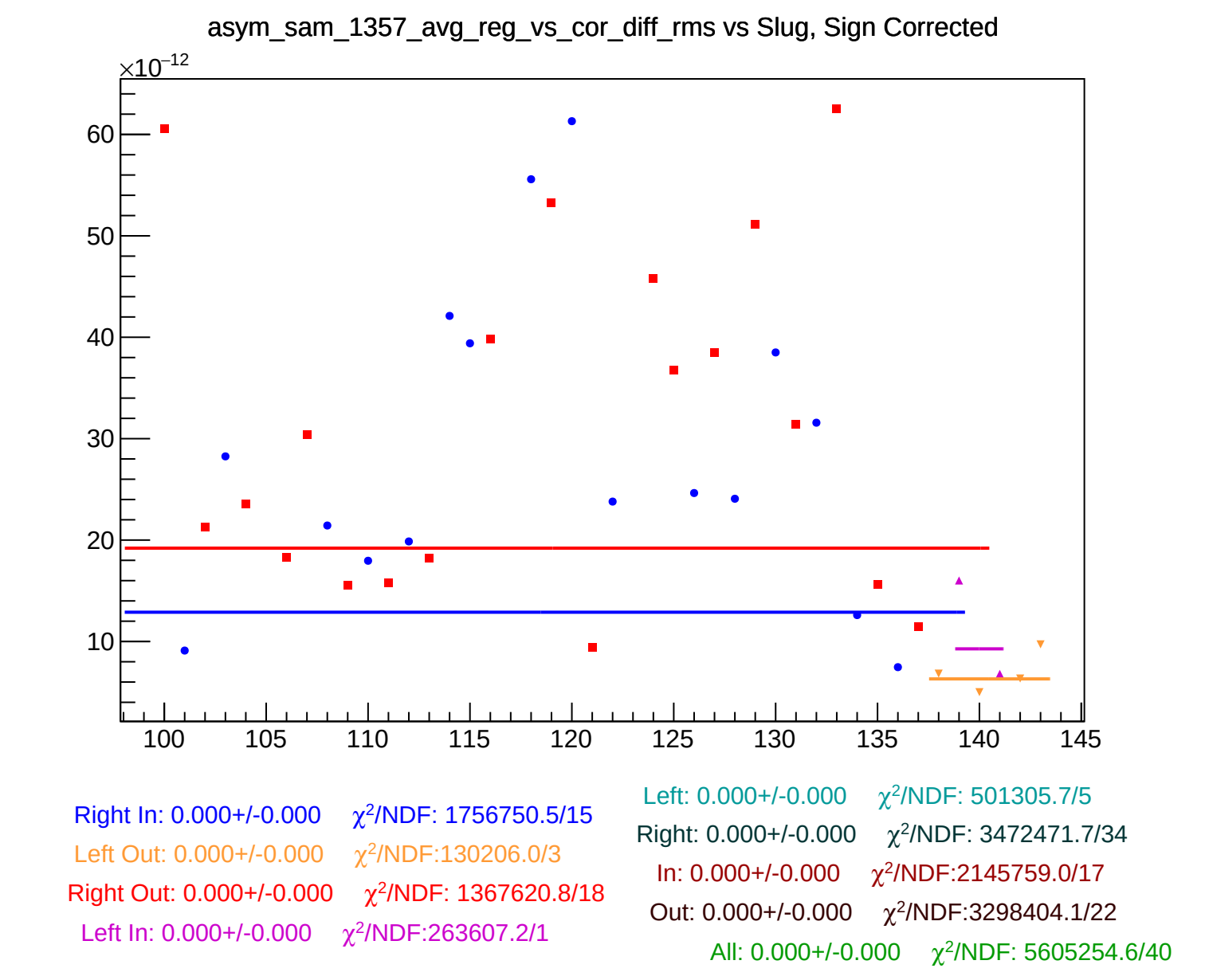
Left: -0.000+/-0.000 χ^2/NDF: 5.2/5

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:33.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.4/40


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
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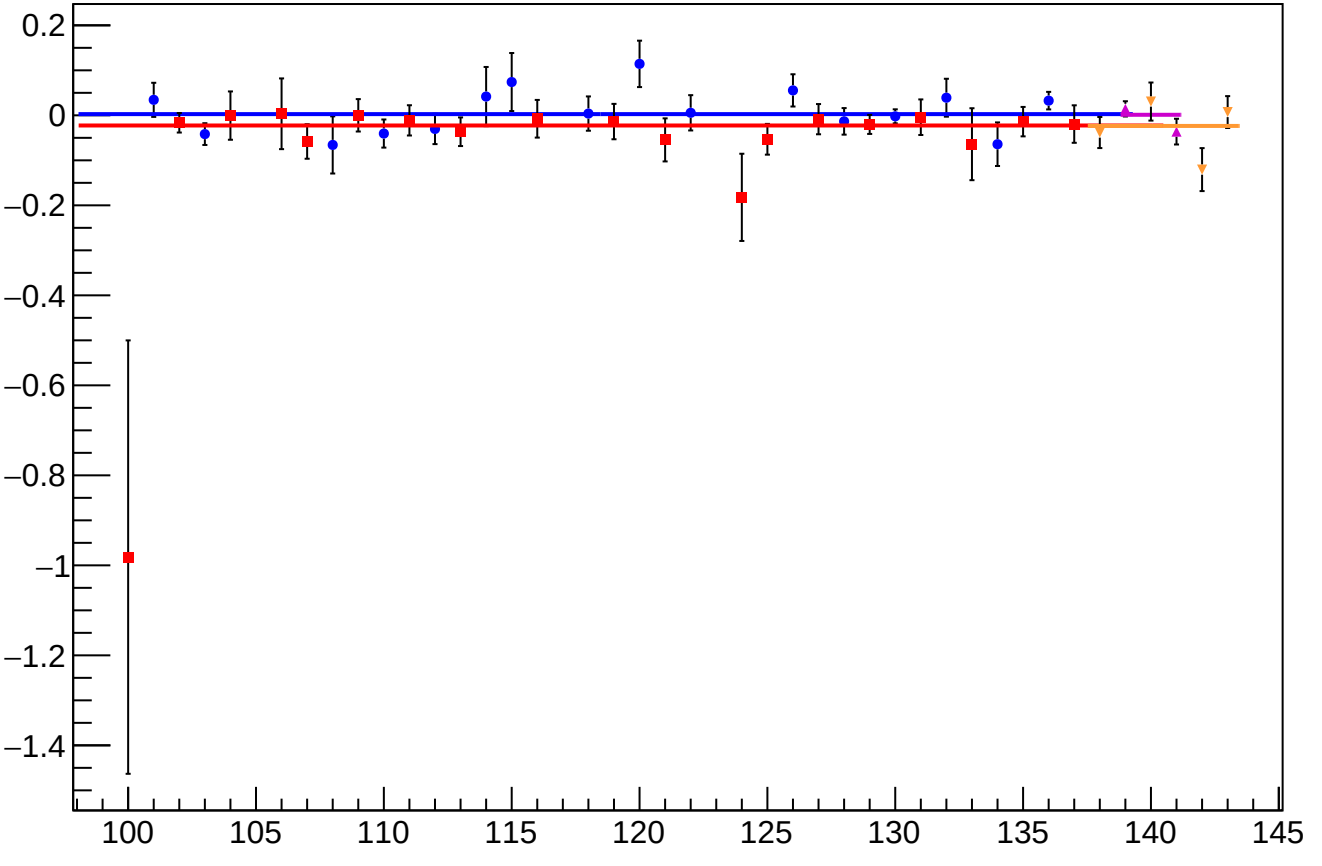
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:130206.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:263607.2/1
Left: 0.000+/-0.000 χ²/NDF: 501305.7/5
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:2145759.0/17
Out: 0.000+/-0.000 χ²/NDF:3298404.1/22
All: 0.000+/-0.000 χ²/NDF: 5605254.6/40

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.001+/-0.015 χ^2/NDF:2.3/1

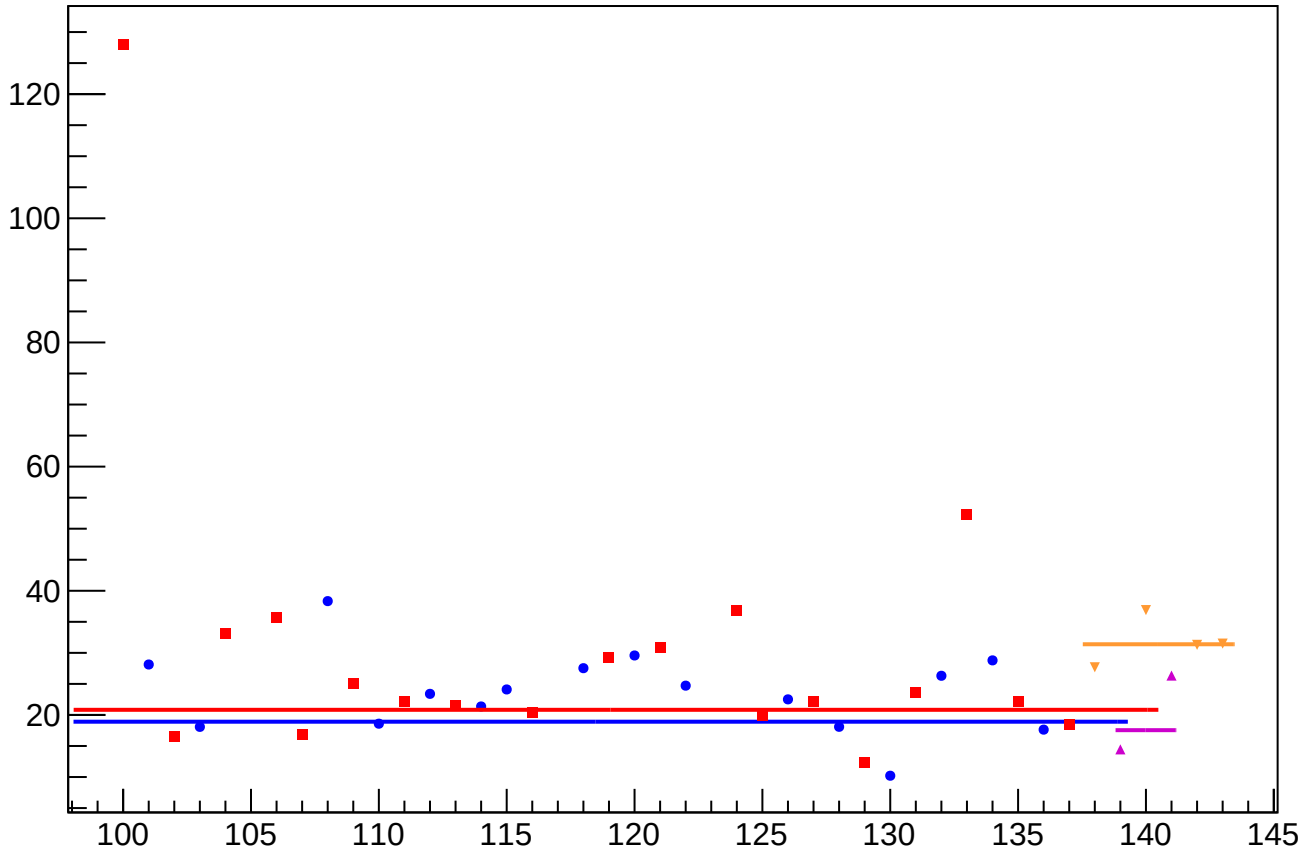
Left: -0.008+/-0.012 χ^2/NDF: 10.1/5

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.6/40



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 31.386+/-0.014 χ^2/NDF:57011.2/3

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: 22.518+/-0.008 χ^2/NDF: 959273.0/5

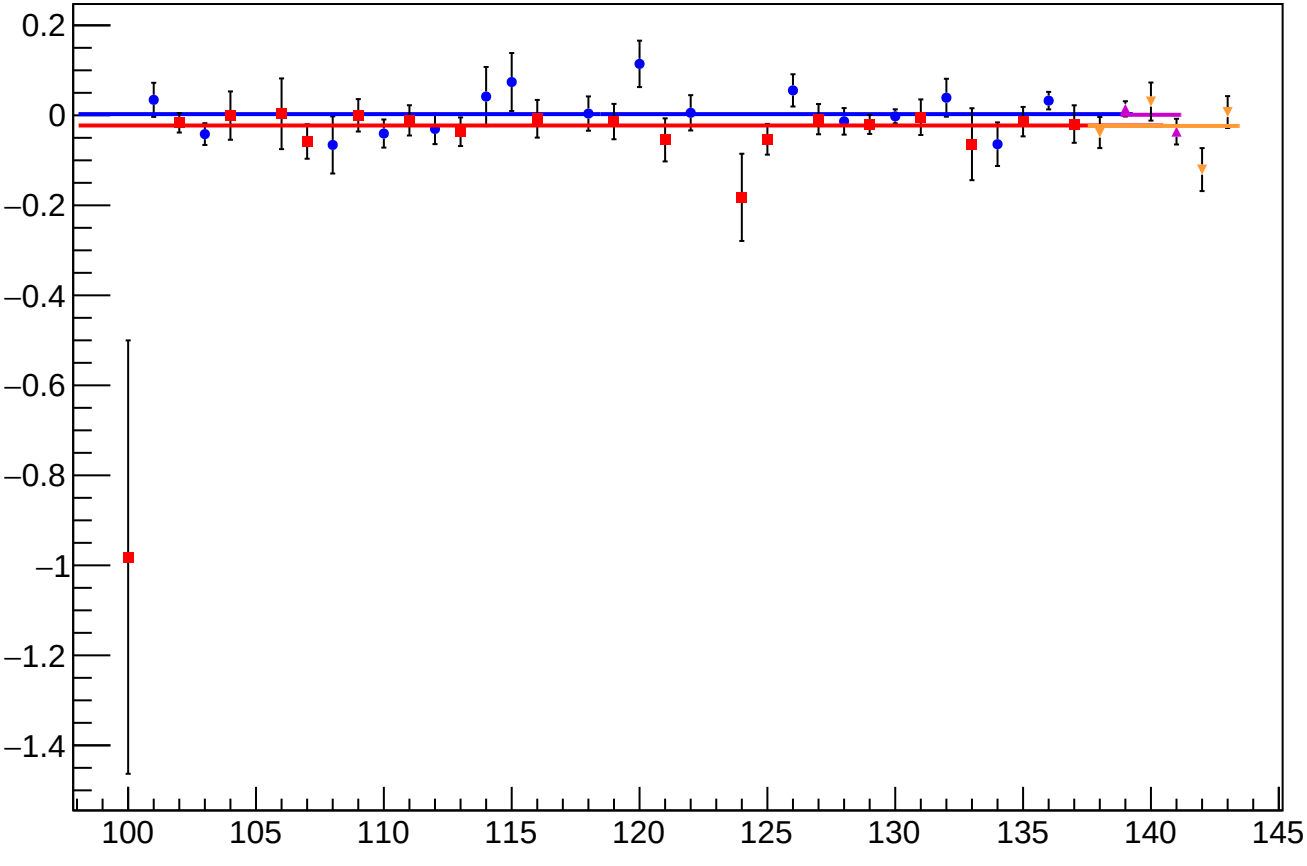
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.608+/-0.005 χ^2/NDF:1659451.4/17

Out: 22.498+/-0.005 χ^2/NDF:1843164.2/22

All: 20.322+/-0.004 χ^2/NDF: 3784418.5/40

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: -0.024+/-0.019 χ^2/NDF:6.7/3

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: -0.008+/-0.012 χ^2/NDF: 10.1/5

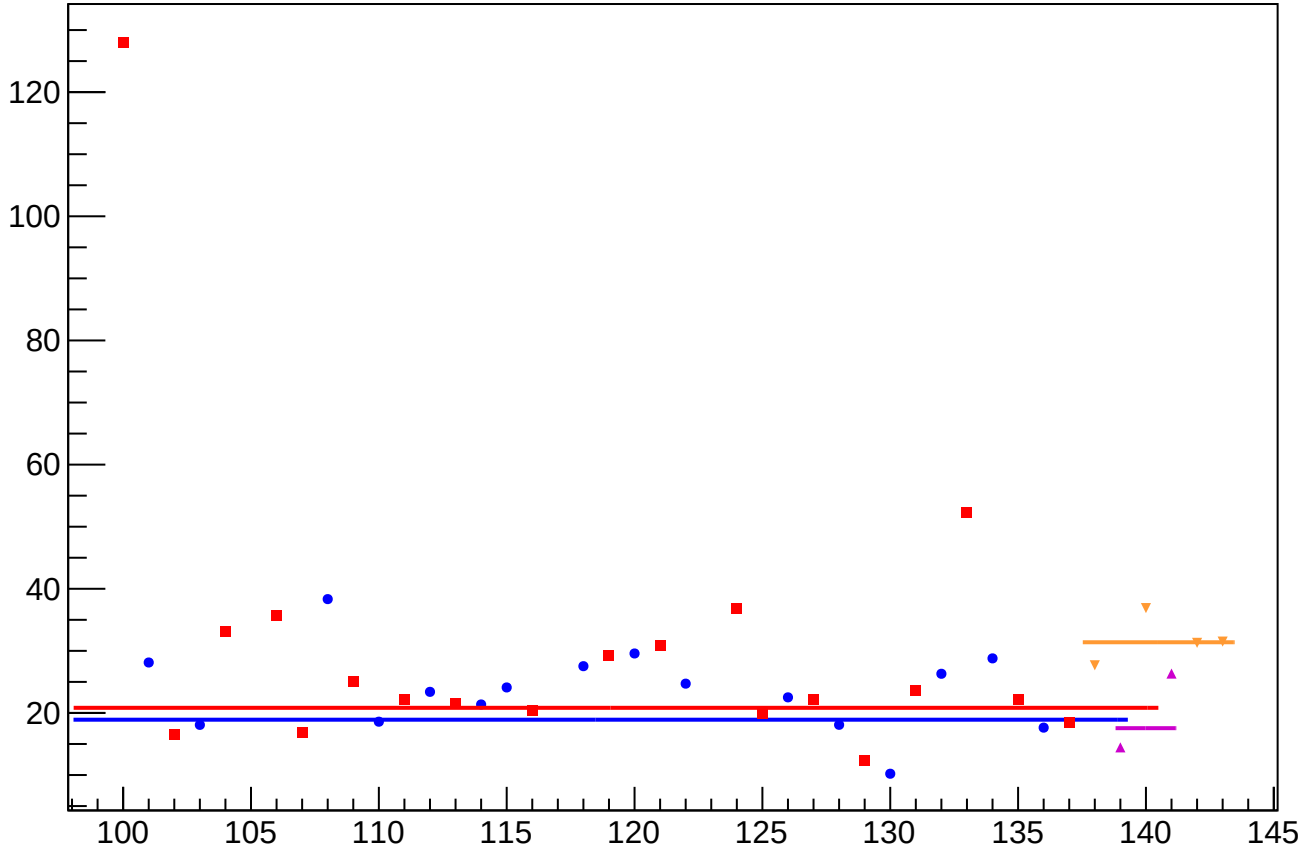
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.6/40

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: 31.386+/-0.014 χ^2/NDF:57011.2/3

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 17.547+/-0.010 χ^2/NDF:255500.4/1

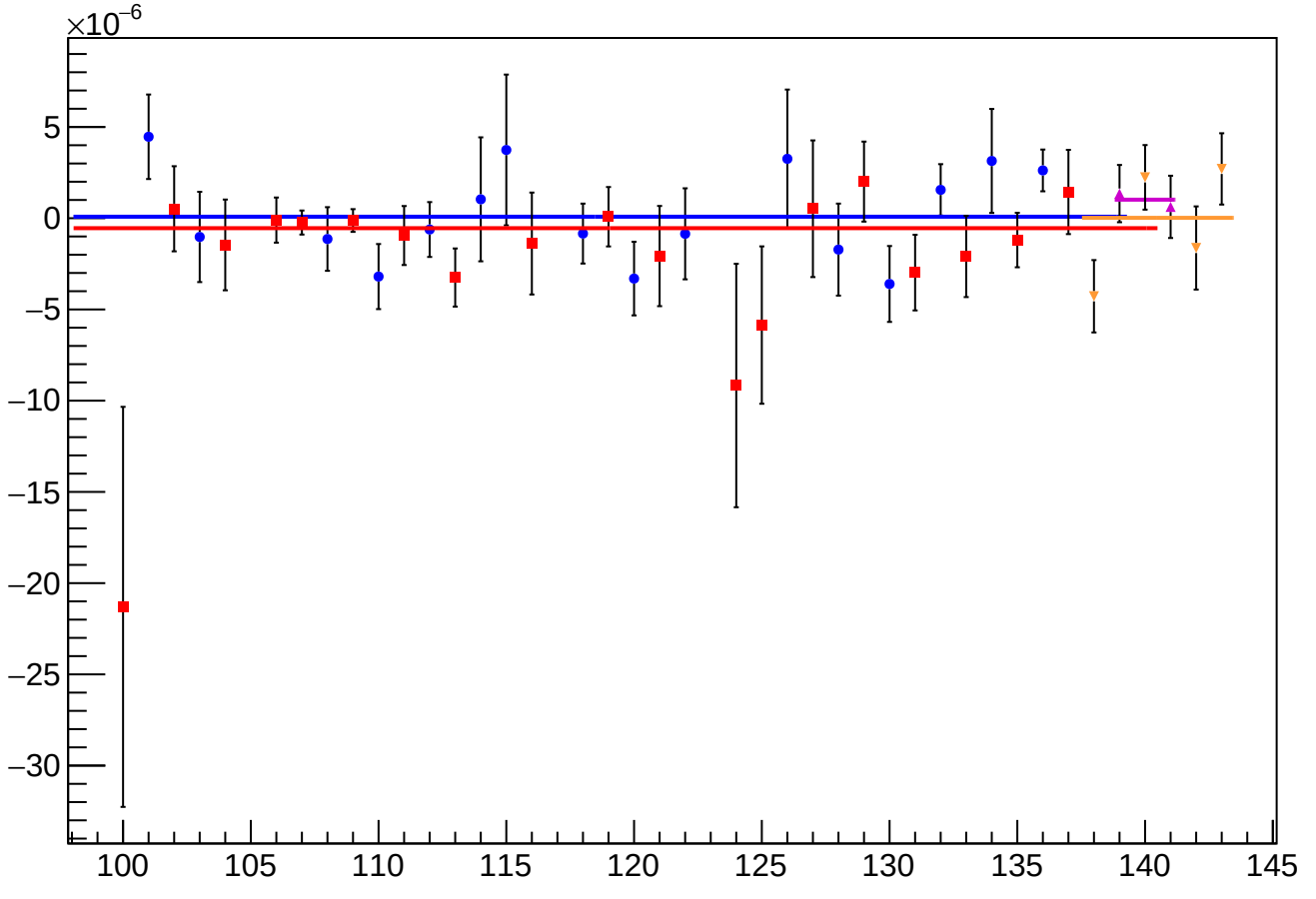
Left: 22.518+/-0.008 χ^2/NDF: 959273.0/5

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.608+/-0.005 χ^2/NDF:1659451.4/17

Out: 22.498+/-0.005 χ^2/NDF:1843164.2/22

All: 20.322+/-0.004 χ^2/NDF: 3784418.5/40



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/1

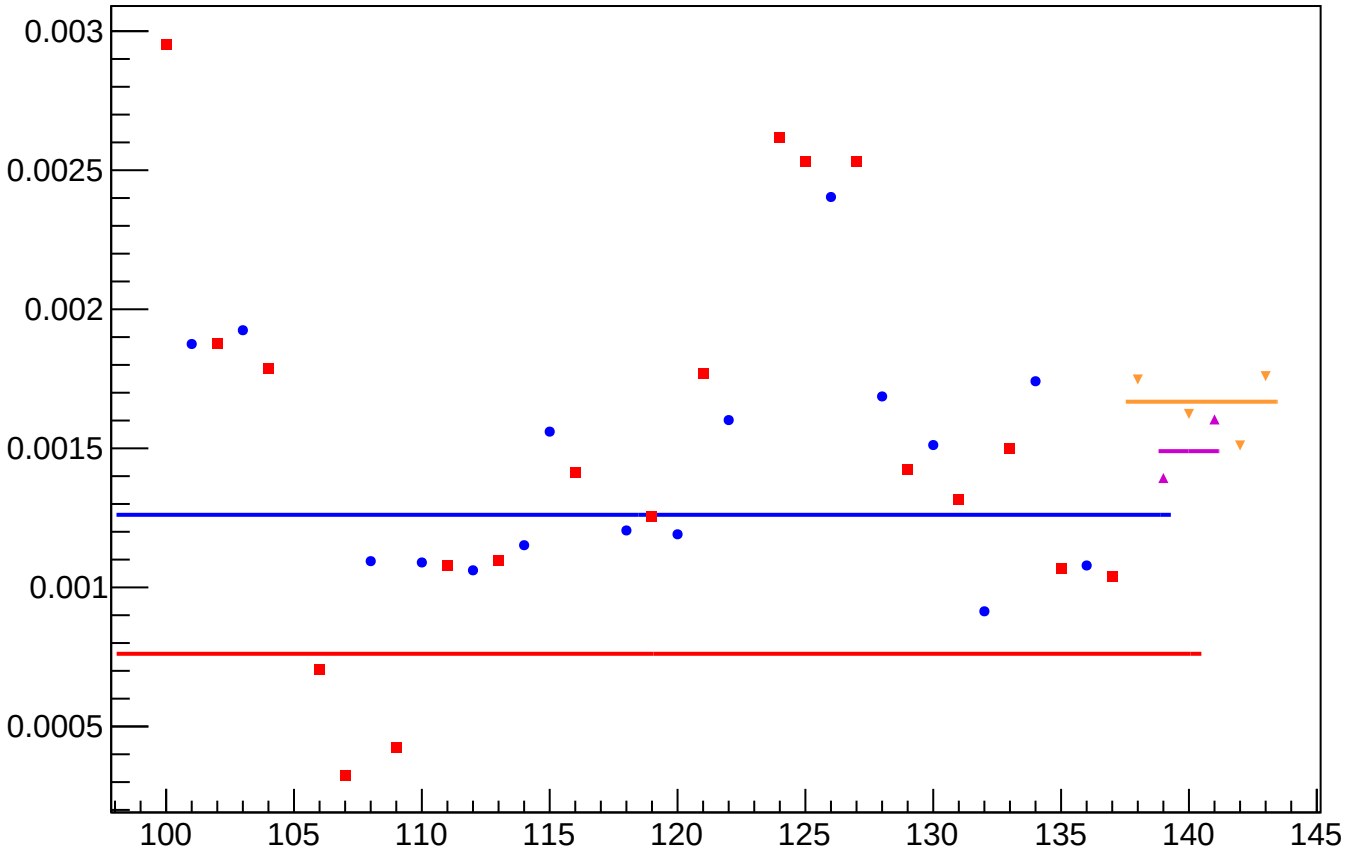
Left: 0.000+/-0.000 χ^2/NDF: 9.2/5

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:24.6/22

All: -0.000+/-0.000 χ^2/NDF: 50.5/40



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:18425.9/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:16520.5/1

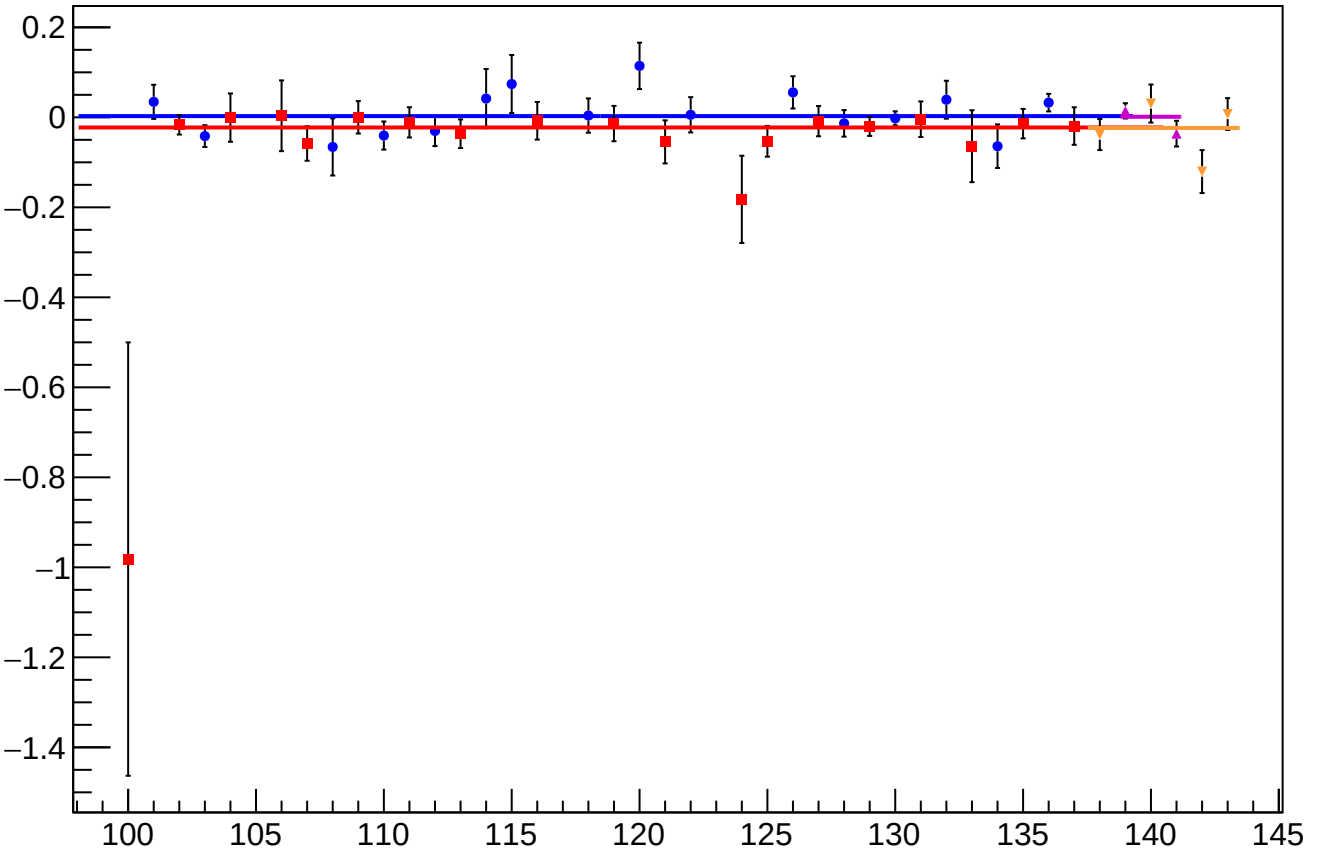
Left: 0.002+/-0.000 χ^2/NDF: 62351.2/5

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:6202394.7/22

All: 0.001+/-0.000 χ^2/NDF: 8459306.5/40



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.024+/-0.019 χ^2/NDF:6.7/3

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: -0.008+/-0.012 χ^2/NDF: 10.1/5

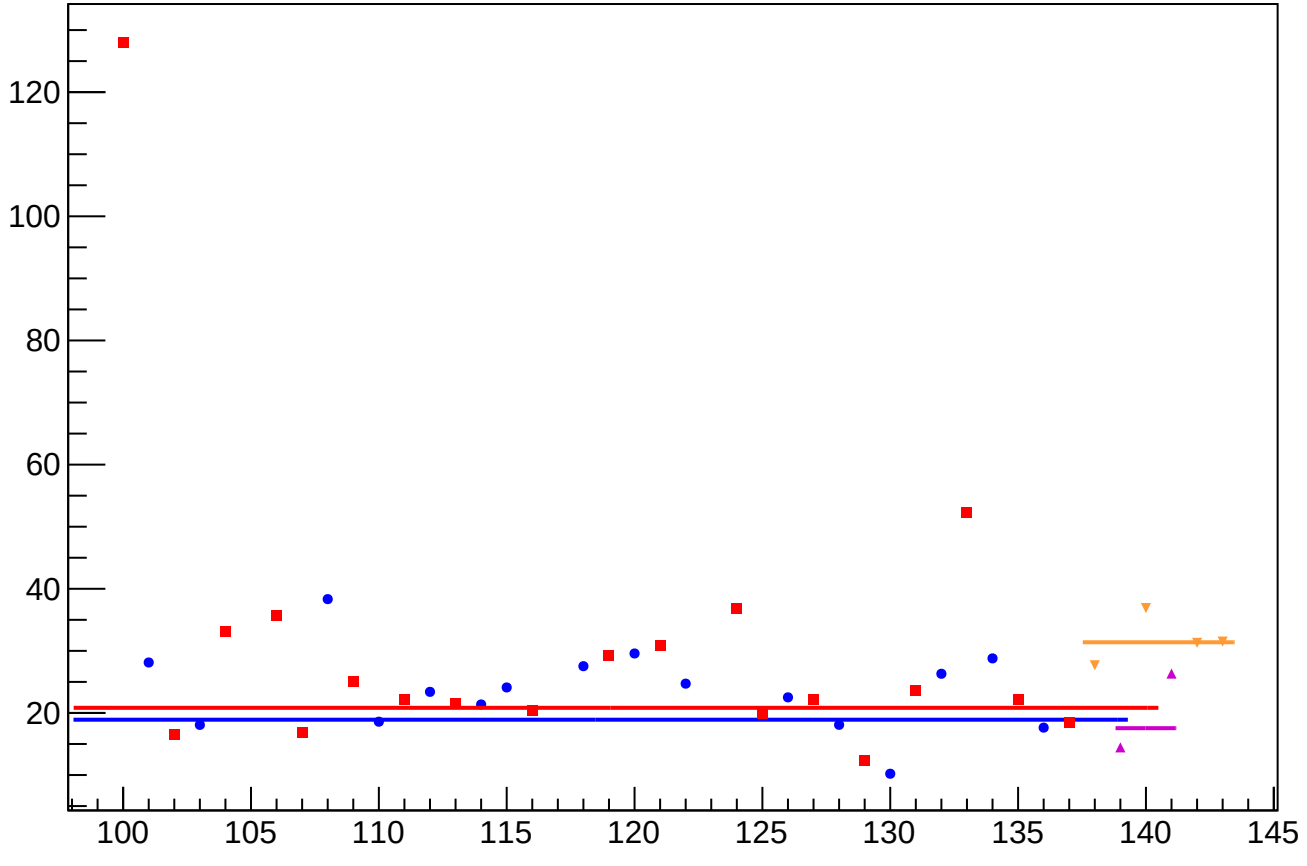
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.6/40

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: 31.387+/-0.014 χ^2/NDF:57012.6/3

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: 22.519+/-0.008 χ^2/NDF: 959215.1/5

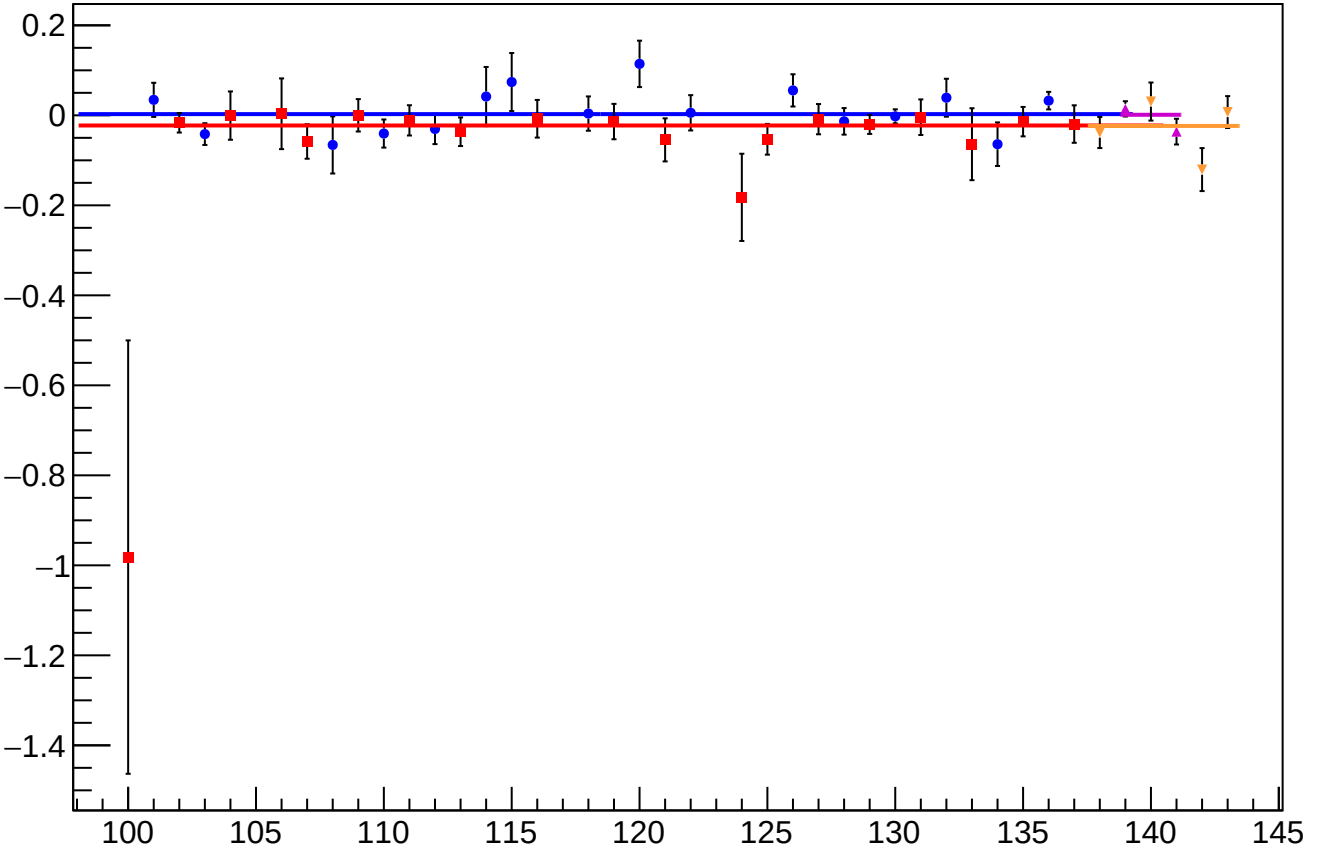
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.608+/-0.005 χ^2/NDF:1659313.3/17

Out: 22.499+/-0.005 χ^2/NDF:1843180.9/22

All: 20.323+/-0.004 χ^2/NDF: 3784254.4/40

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: -0.024+/-0.019 χ^2/NDF:6.7/3

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: -0.008+/-0.012 χ^2/NDF: 10.1/5

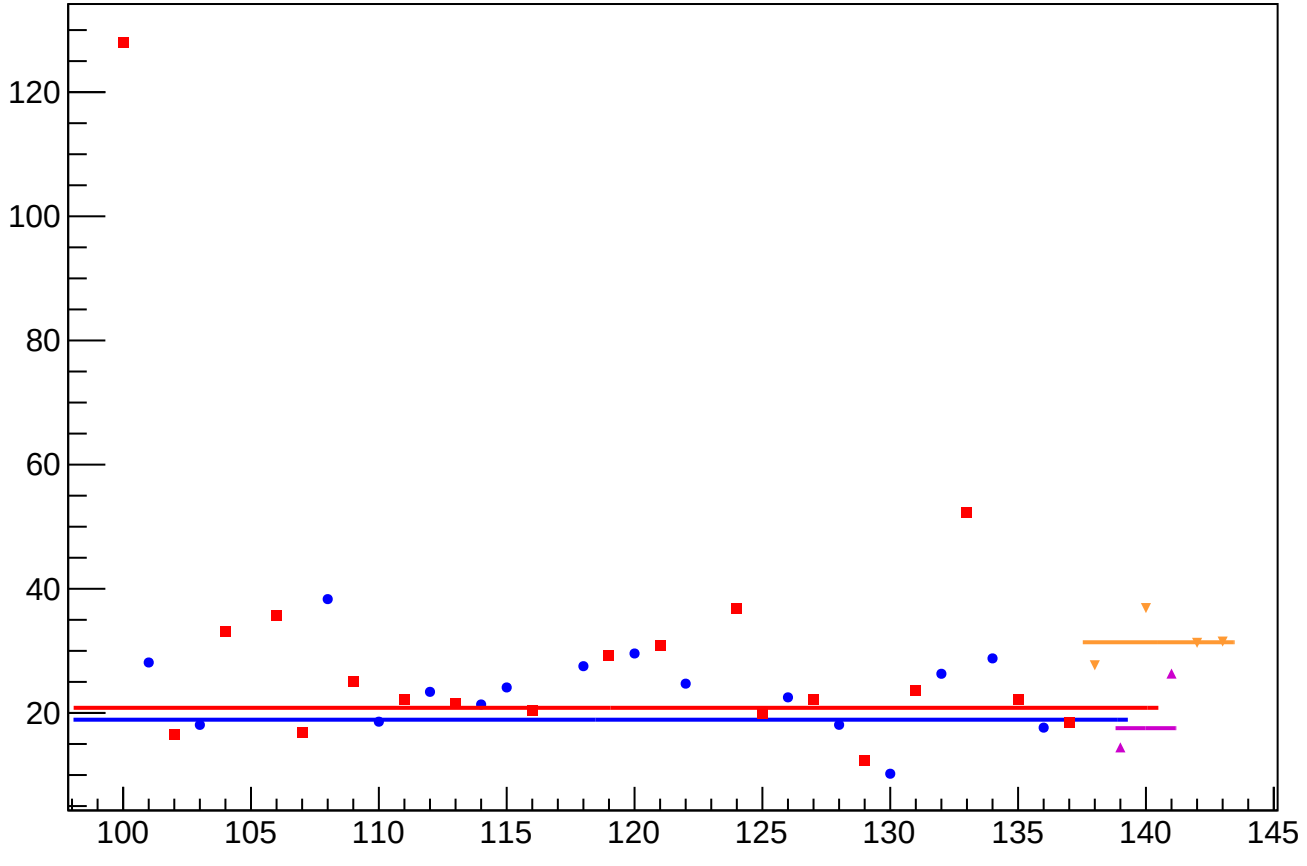
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.3/17

Out: -0.023+/-0.008 χ^2/NDF:17.5/22

All: -0.009+/-0.005 χ^2/NDF: 47.6/40

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: 31.387+/-0.014 χ^2/NDF:57012.6/3

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 17.548+/-0.010 χ^2/NDF:255485.3/1

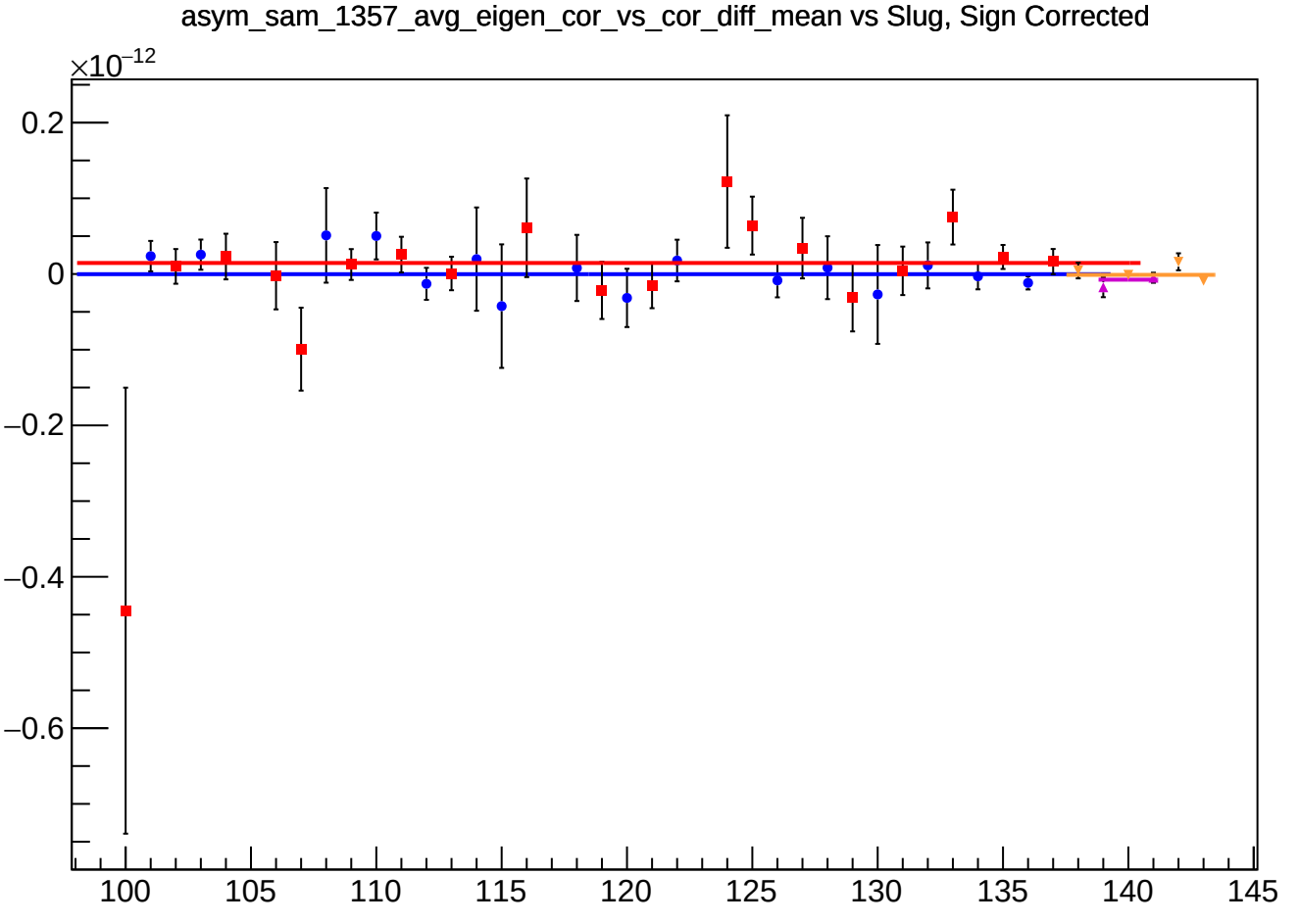
Left: 22.519+/-0.008 χ^2/NDF: 959215.1/5

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.608+/-0.005 χ^2/NDF:1659313.3/17

Out: 22.499+/-0.005 χ^2/NDF:1843180.9/22

All: 20.323+/-0.004 χ^2/NDF: 3784254.4/40



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/1

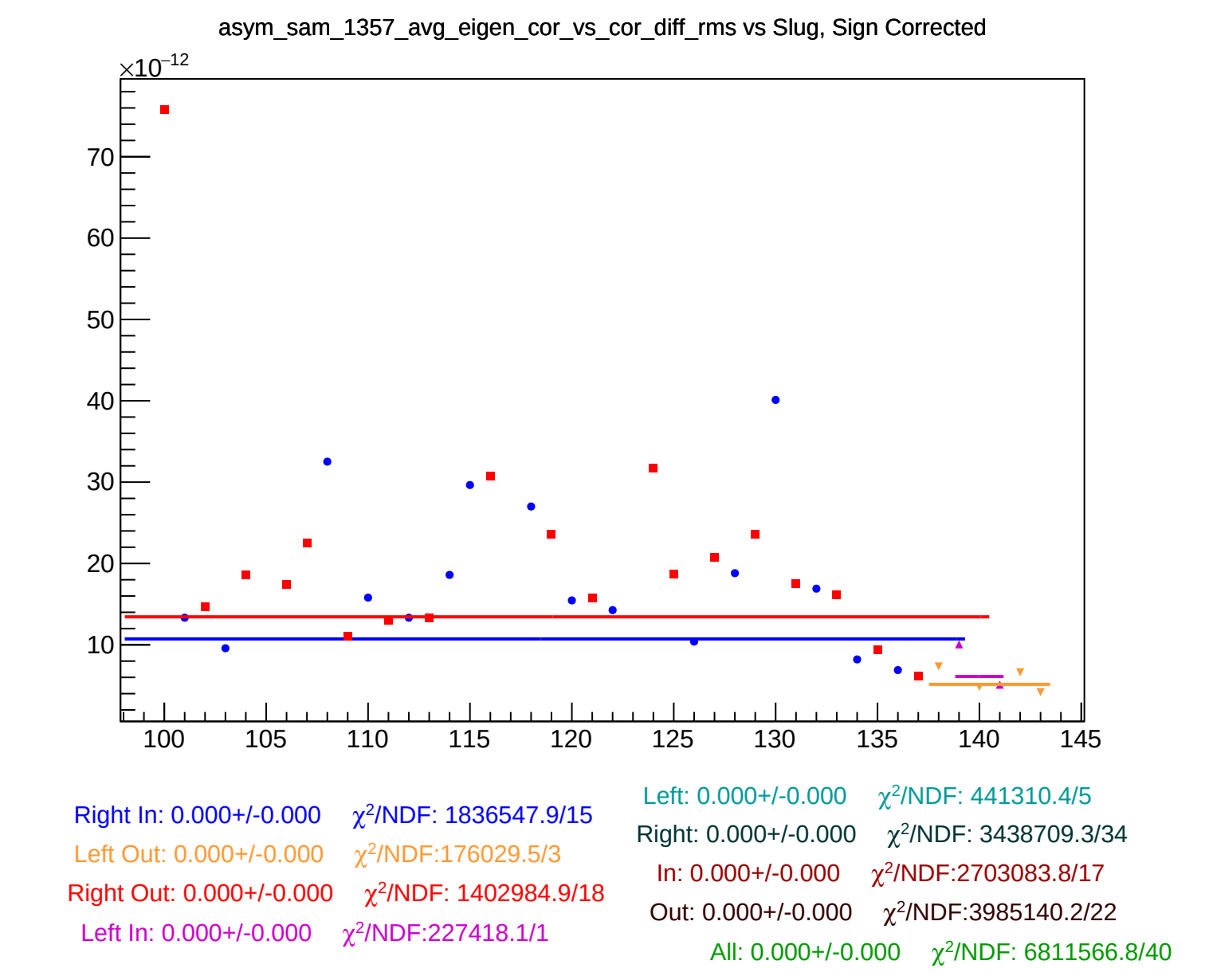
Left: -0.000+/-0.000 χ^2/NDF: 5.7/5

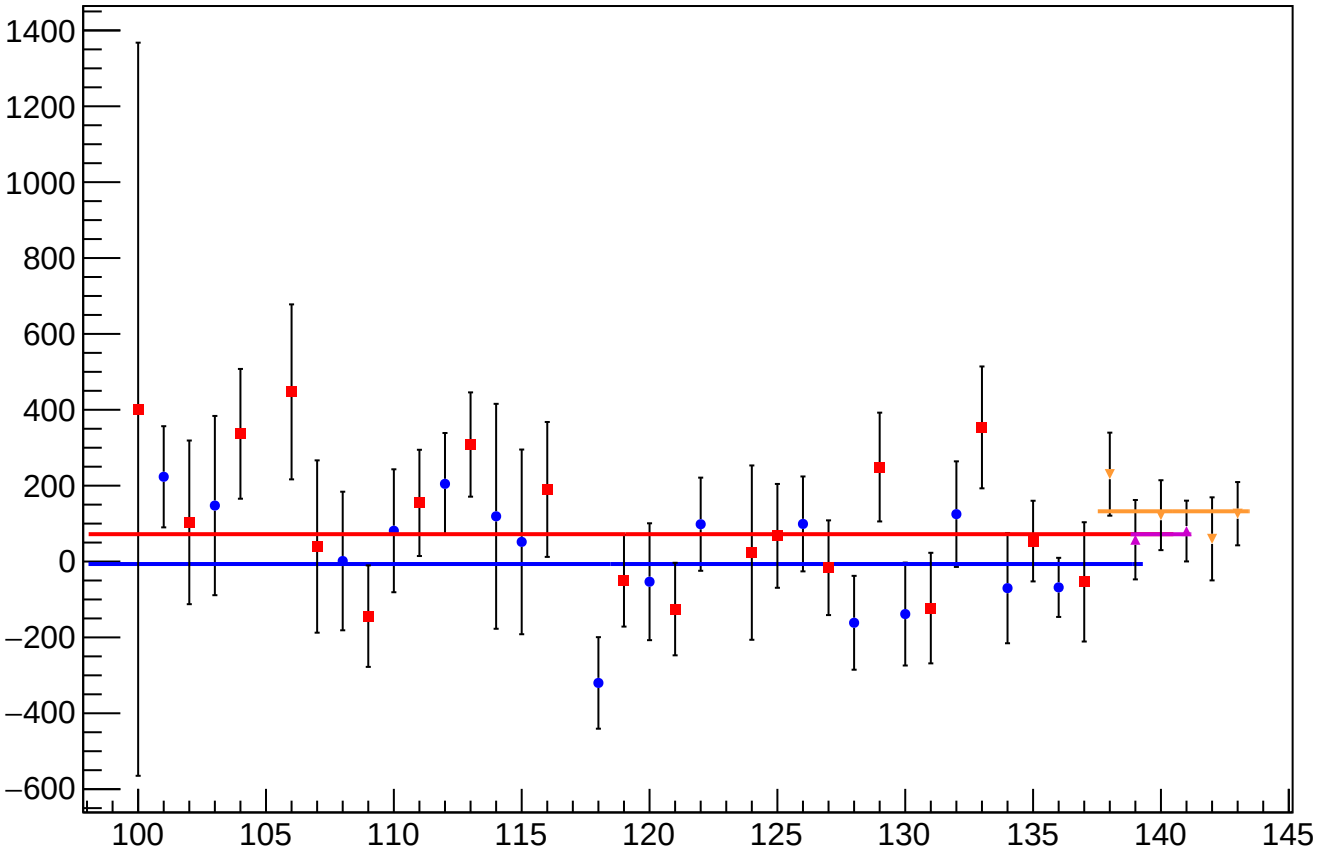
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:12.0/17

Out: 0.000+/-0.000 χ^2/NDF:26.1/22

All: 0.000+/-0.000 χ^2/NDF: 39.7/40


asym_sam_1357_avg_eigen_cor_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
145
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:176029.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:227418.1/1
Left: 0.000+/-0.000 χ²/NDF: 441310.4/5
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:2703083.8/17
Out: 0.000+/-0.000 χ²/NDF:3985140.2/22
All: 0.000+/-0.000 χ²/NDF: 6811566.8/40



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.418+/-48.305 χ^2/NDF:1.3/3

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: 110.297+/-38.469 χ^2/NDF: 1.9/5

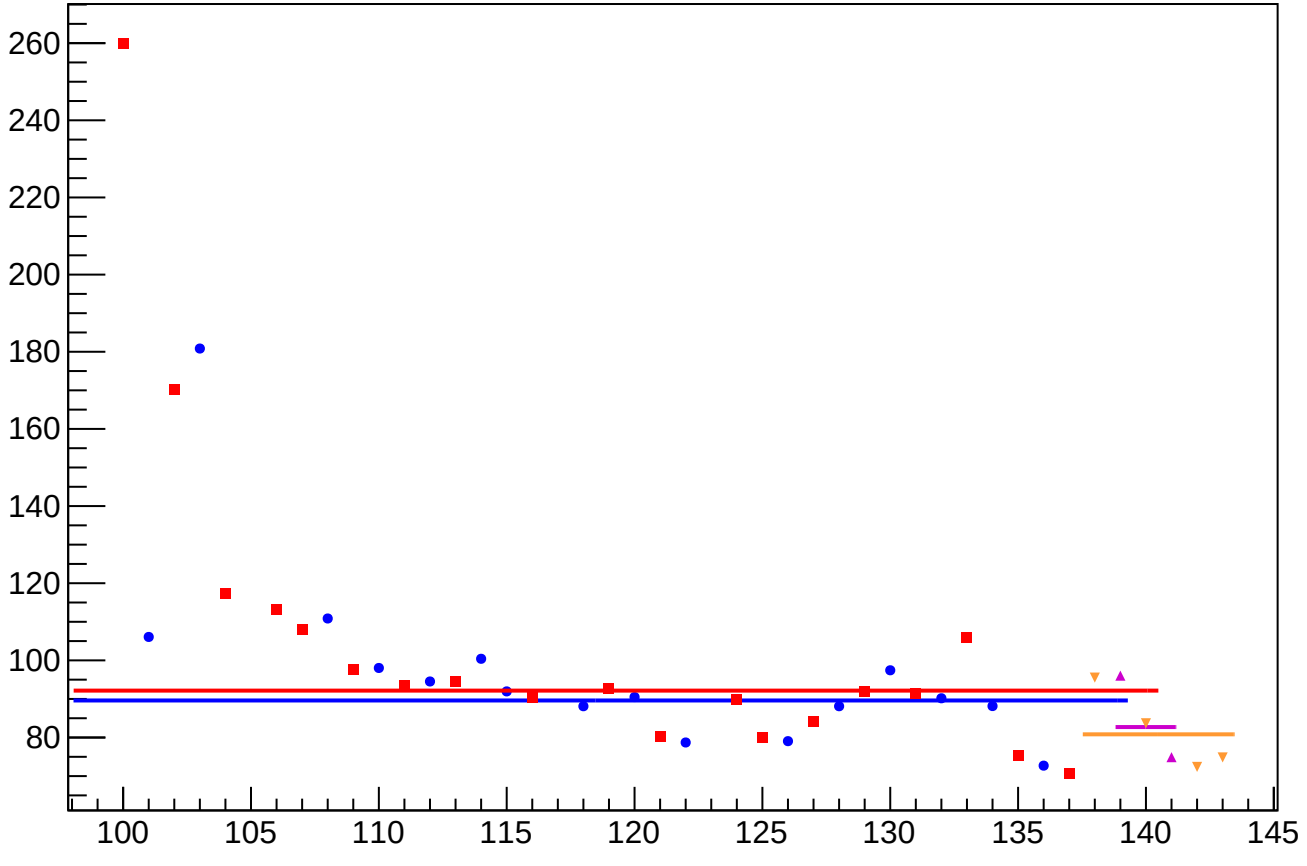
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 11.114+/-30.181 χ^2/NDF:20.1/17

Out: 92.789+/-28.280 χ^2/NDF:25.1/22

All: 54.605+/-20.636 χ^2/NDF: 49.1/40

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

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: 81.518+/-0.027 χ^2/NDF: 112792.3/5

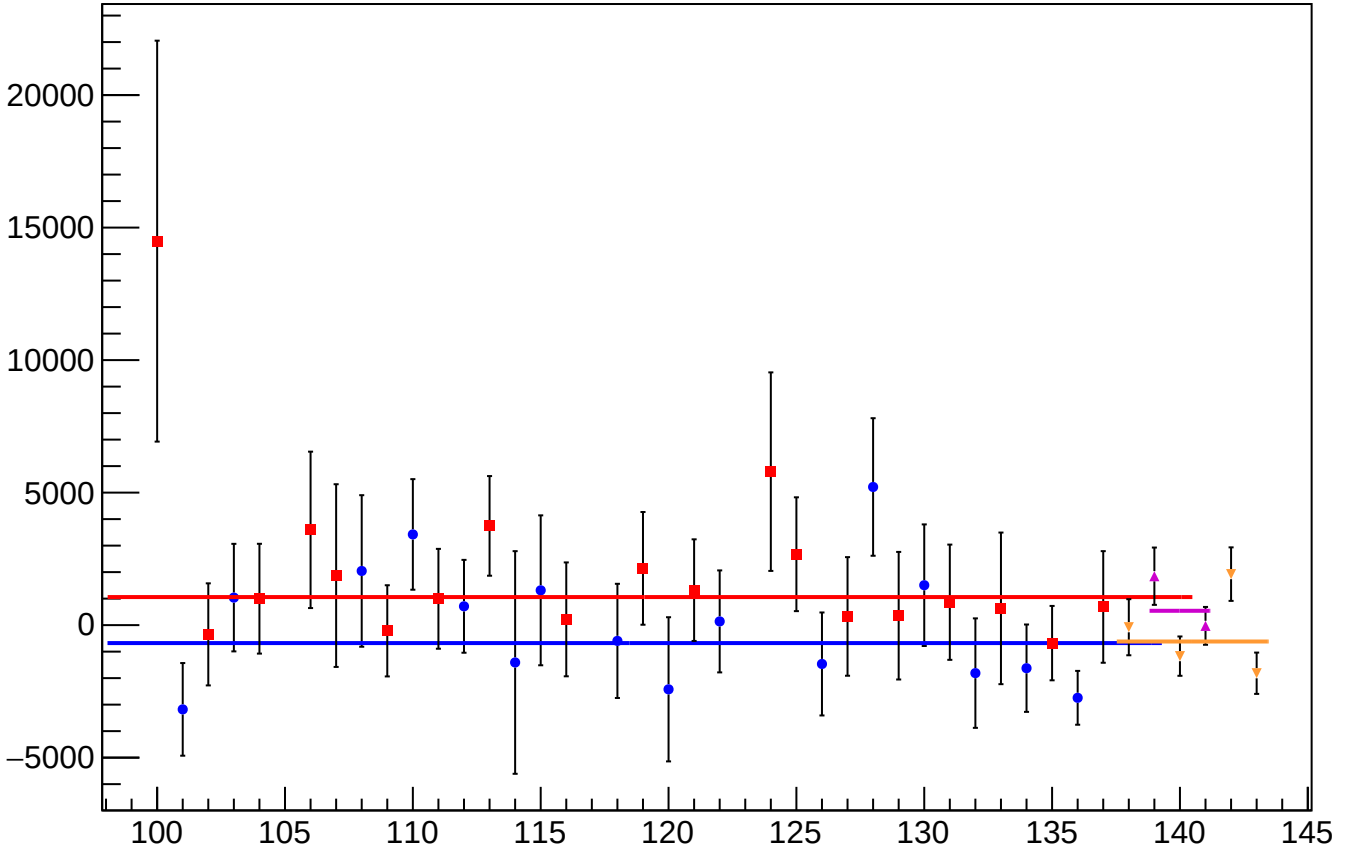
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 88.053+/-0.021 χ^2/NDF:567980.6/17

Out: 88.277+/-0.020 χ^2/NDF:674684.5/22

All: 88.172+/-0.015 χ^2/NDF: 1242723.8/40

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: -618.105+/-432.909 χ^2/NDF:9.5/3

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 540.870+/-595.634 χ^2/NDF:2.1/1

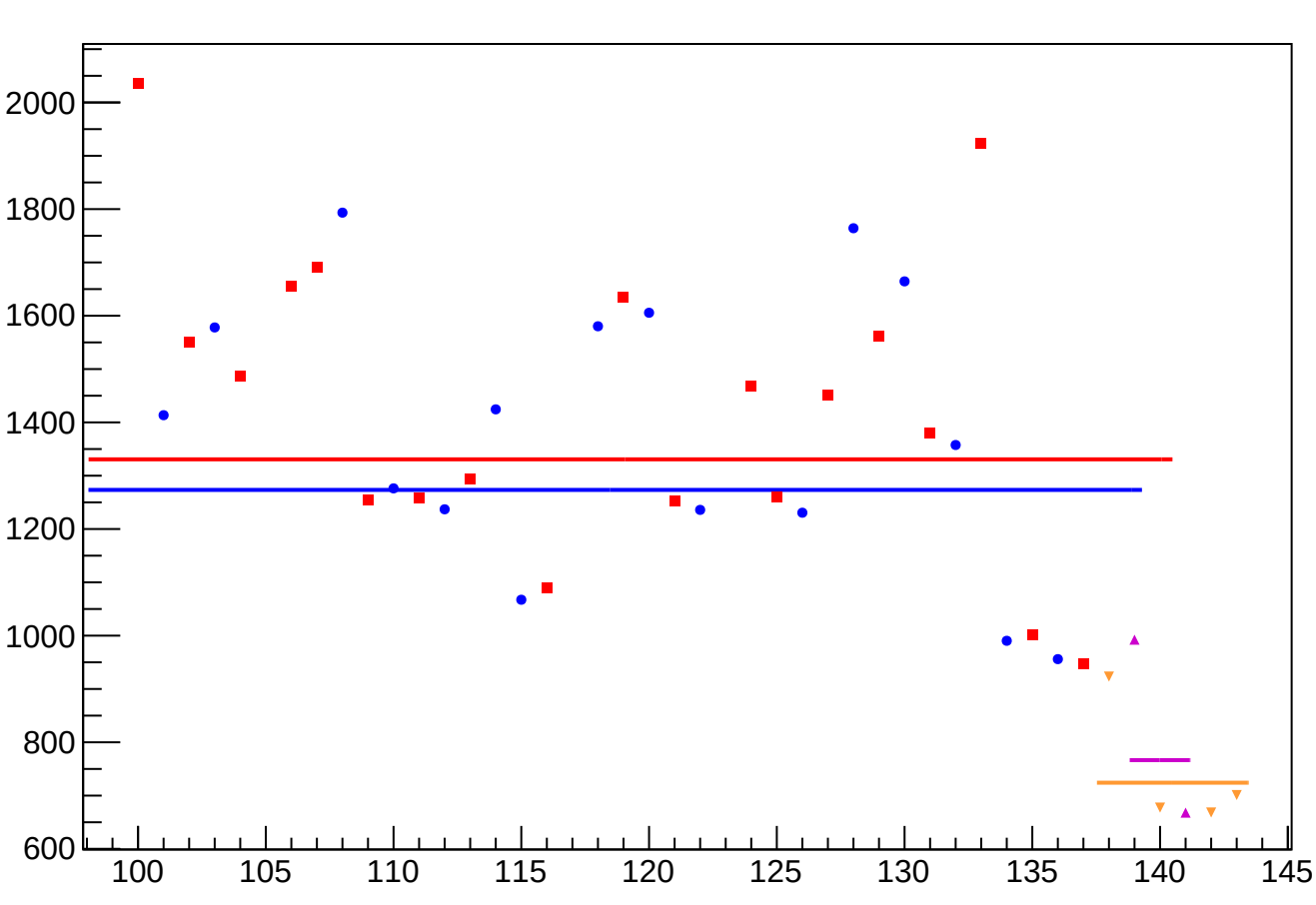
Left: -217.500+/-350.188 χ^2/NDF: 14.1/5

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -189.904+/-376.780 χ^2/NDF:24.9/17

Out: 106.379+/-326.252 χ^2/NDF:27.4/22

All: -20.578+/-246.639 χ^2/NDF: 52.7/40



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 724.212+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 766.513+/-0.421 χ^2/NDF:125385.0/1

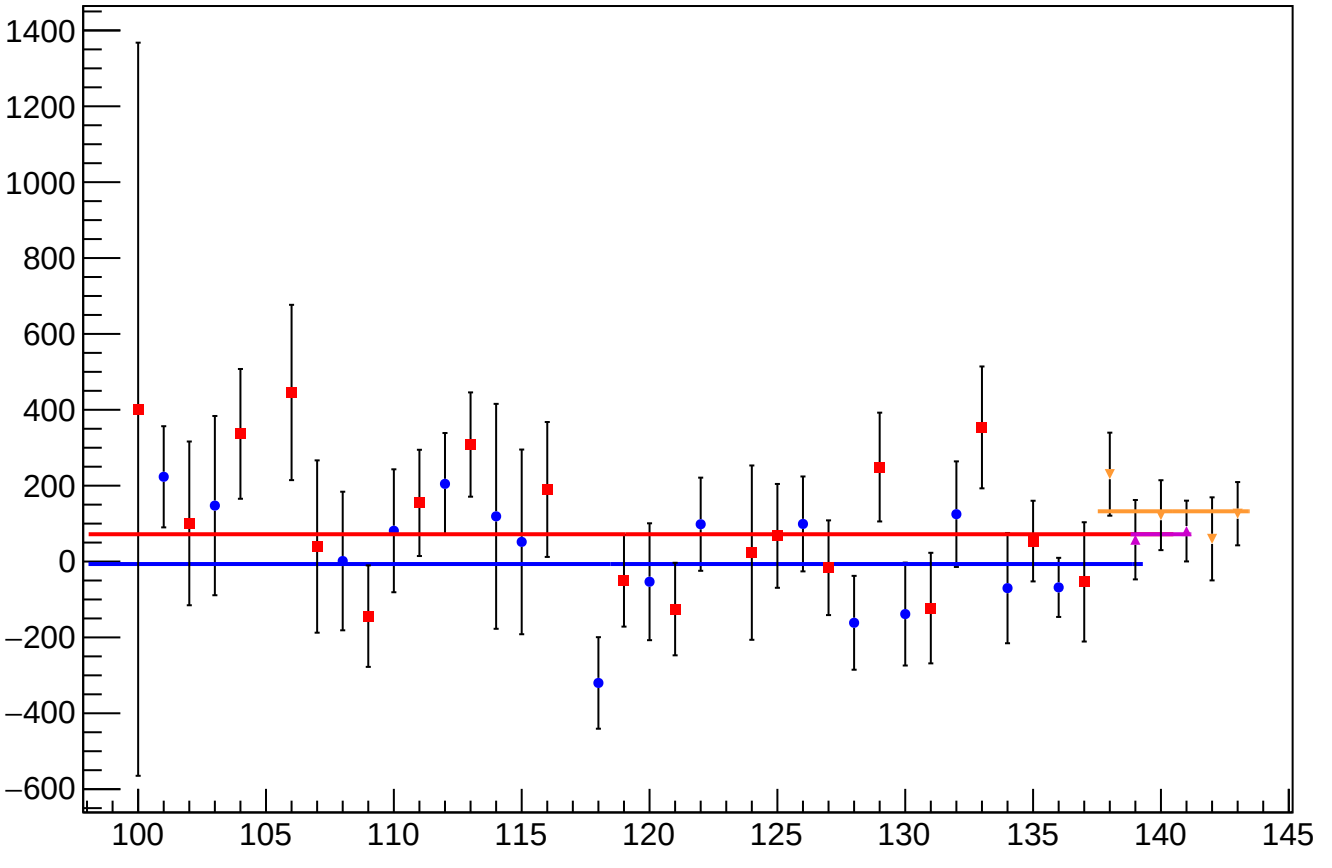
Left: 738.833+/-0.248 χ^2/NDF: 218558.0/5

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 1070.526+/-0.266 χ^2/NDF:1591485.6/17

Out: 986.236+/-0.231 χ^2/NDF:2253124.3/22

All: 1022.354+/-0.174 χ^2/NDF: 3901814.3/40



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 132.428+/-48.305 χ^2/NDF:1.3/3

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 71.951+/-63.609 χ^2/NDF:0.0/1

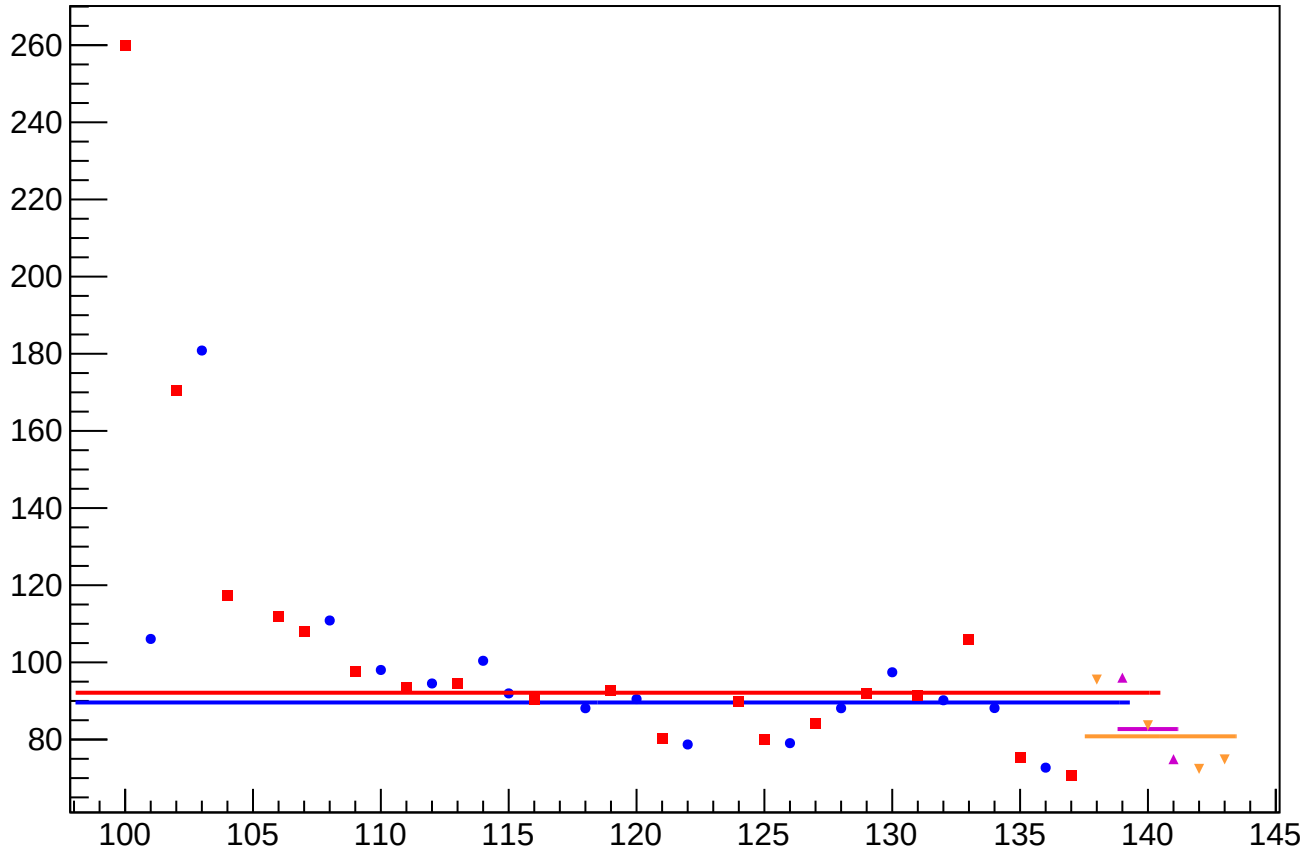
Left: 110.308+/-38.469 χ^2/NDF: 1.9/5

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 11.109+/-30.181 χ^2/NDF:20.1/17

Out: 92.700+/-28.281 χ^2/NDF:25.0/22

All: 54.554+/-20.637 χ^2/NDF: 49.1/40



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

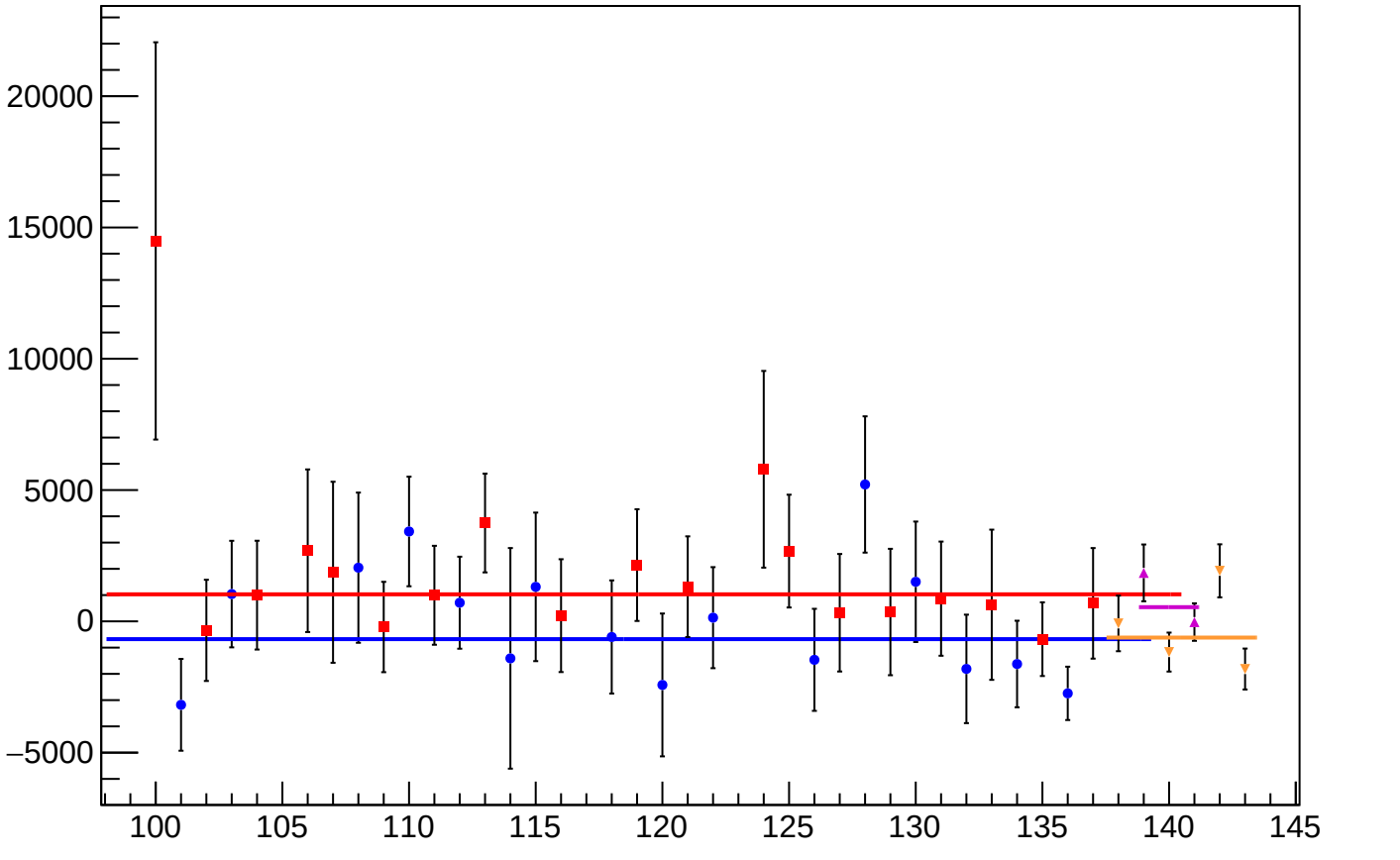
Left: 81.518+/-0.027 χ^2/NDF: 112792.3/5

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 88.053+/-0.021 χ^2/NDF:567984.2/17

Out: 88.256+/-0.020 χ^2/NDF:672510.7/22

All: 88.161+/-0.015 χ^2/NDF: 1240543.0/40



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -618.091+/-432.909 χ^2/NDF:9.5/3

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 540.885+/-595.635 χ^2/NDF:2.1/1

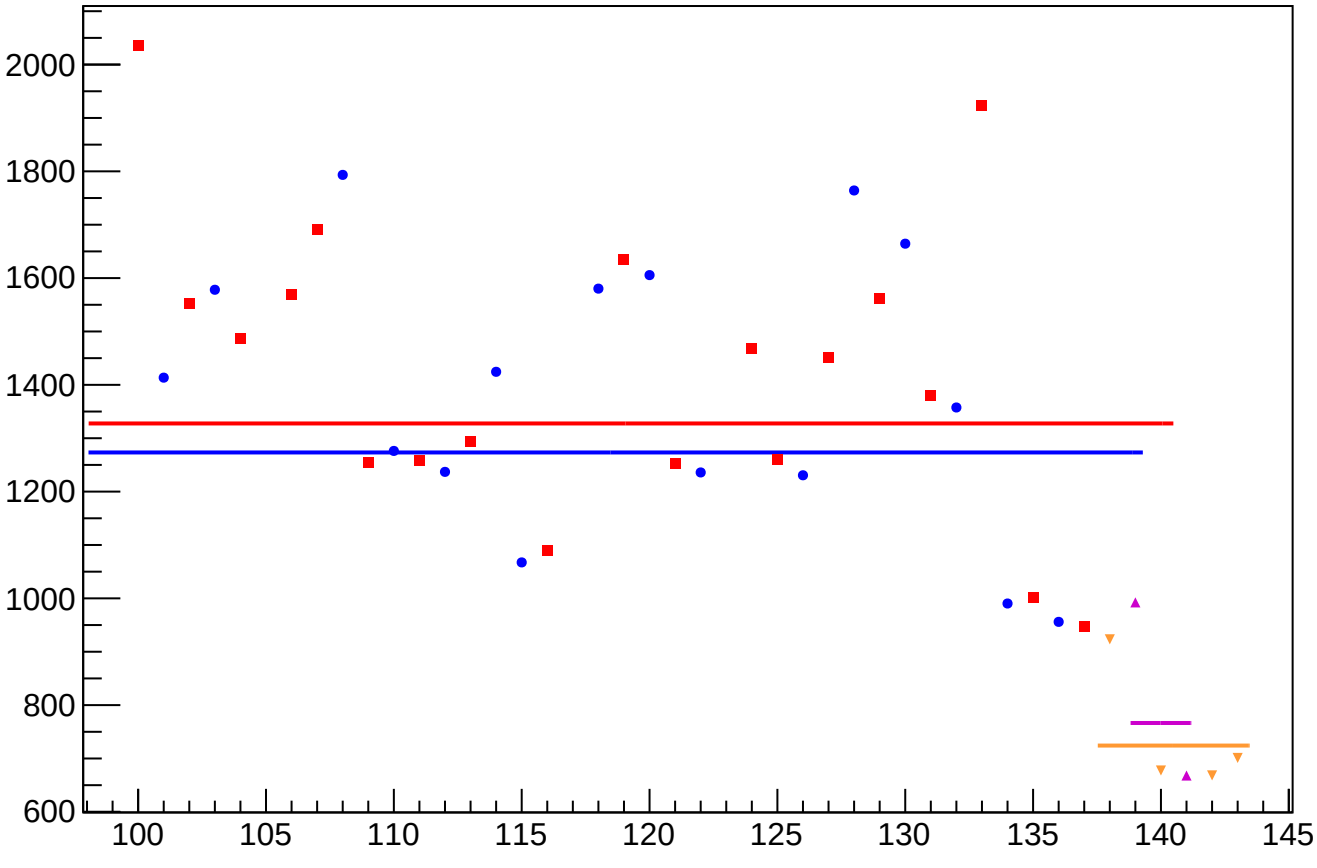
Left: -217.486+/-350.187 χ^2/NDF: 14.1/5

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -189.875+/-376.781 χ^2/NDF:24.9/17

Out: 92.613+/-326.441 χ^2/NDF:26.7/22

All: -28.512+/-246.721 χ^2/NDF: 51.9/40



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.211+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 766.514+/-0.421 χ^2/NDF:125383.7/1

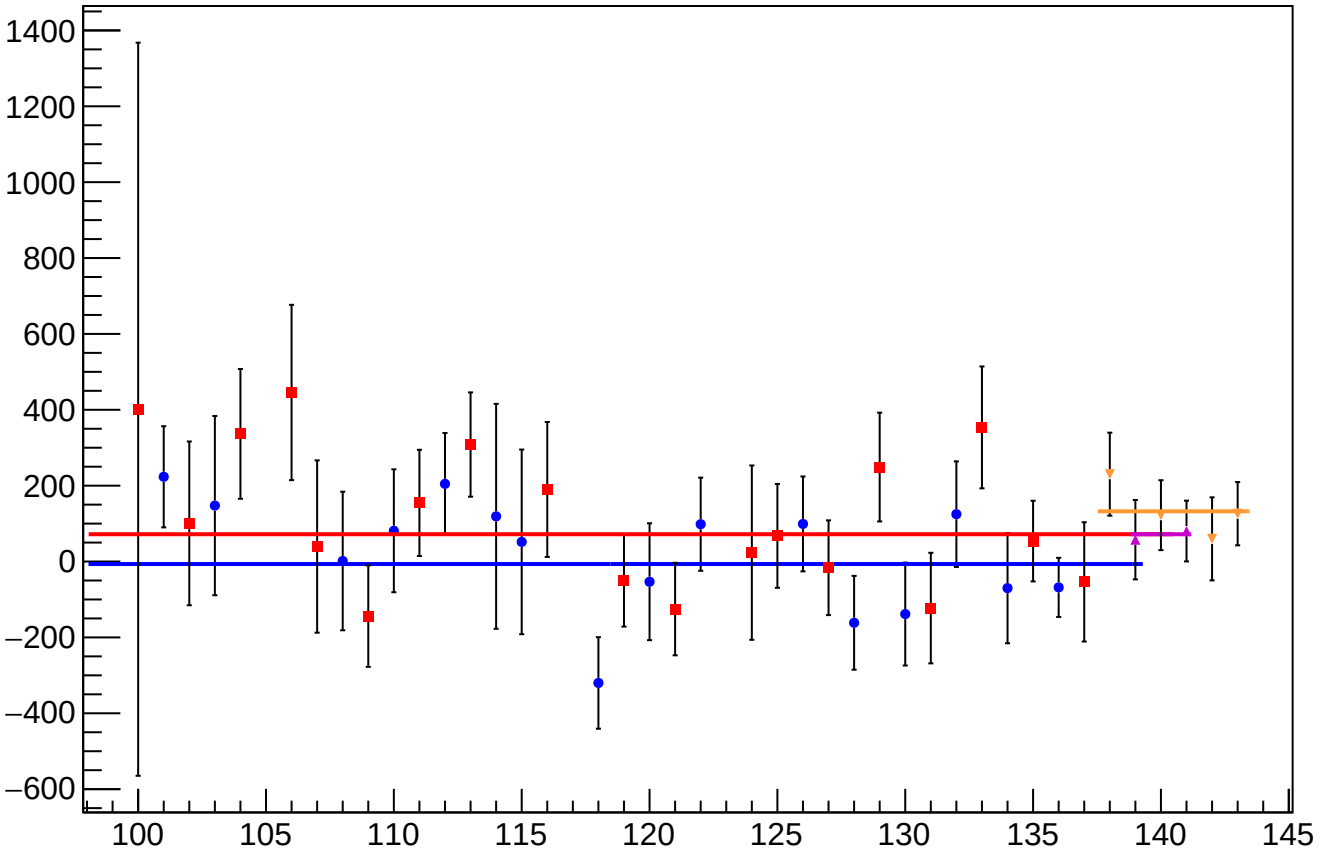
Left: 738.833+/-0.248 χ^2/NDF: 218557.3/5

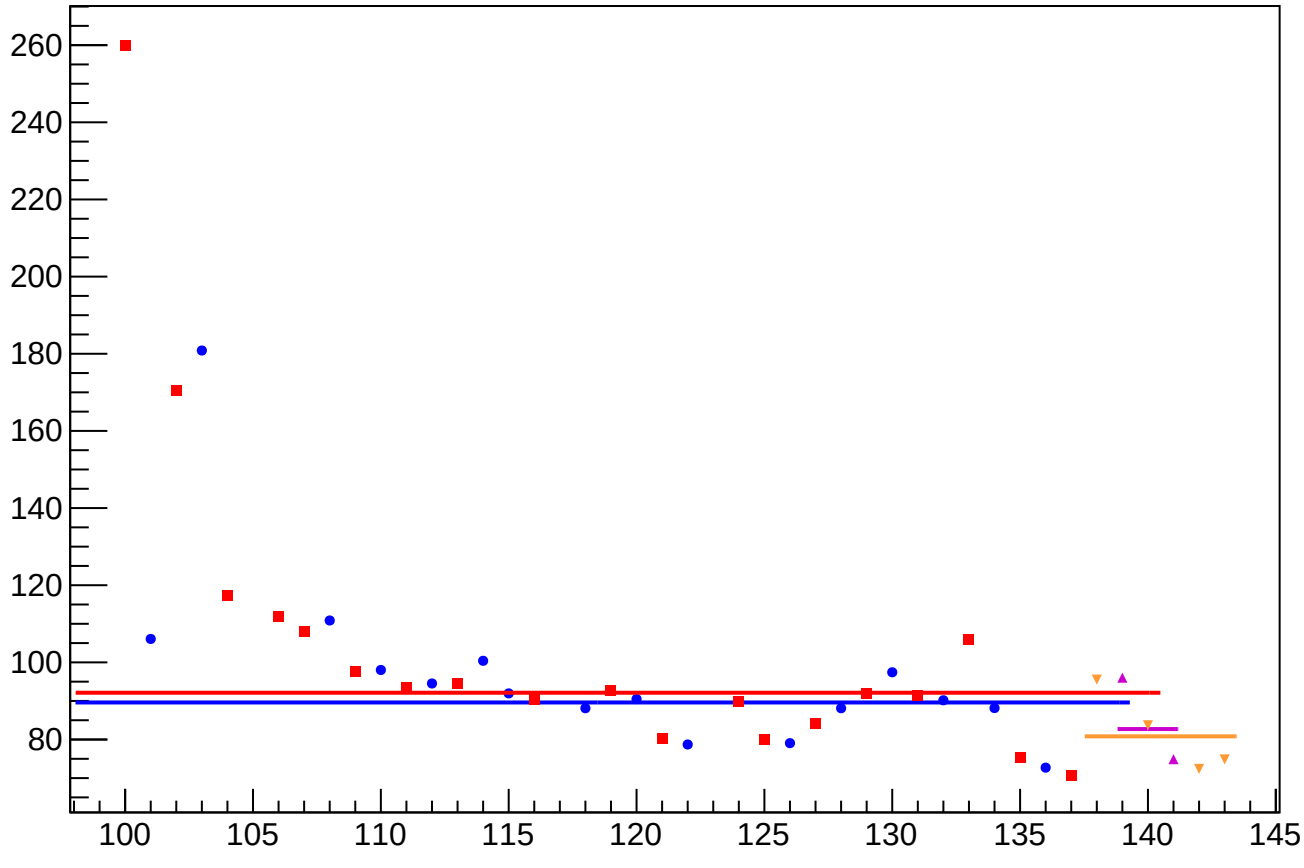
Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1070.528+/-0.266 χ^2/NDF:1591517.2/17

Out: 984.531+/-0.231 χ^2/NDF:2221483.1/22

All: 1021.405+/-0.174 χ^2/NDF: 3872514.1/40


eigen_cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
105
110
115
120
125
130
135
140
145
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 132.428+/-48.305 χ²/NDF:1.3/3
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 71.951+/-63.609 χ²/NDF:0.0/1
Left: 110.308+/-38.469 χ²/NDF: 1.9/5
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 11.109+/-30.181 χ²/NDF:20.1/17
Out: 92.700+/-28.281 χ²/NDF:25.0/22
All: 54.554+/-20.637 χ²/NDF: 49.1/40



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 80.828+/-0.034 χ^2/NDF:60254.7/3

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 82.715+/-0.045 χ^2/NDF:51421.8/1

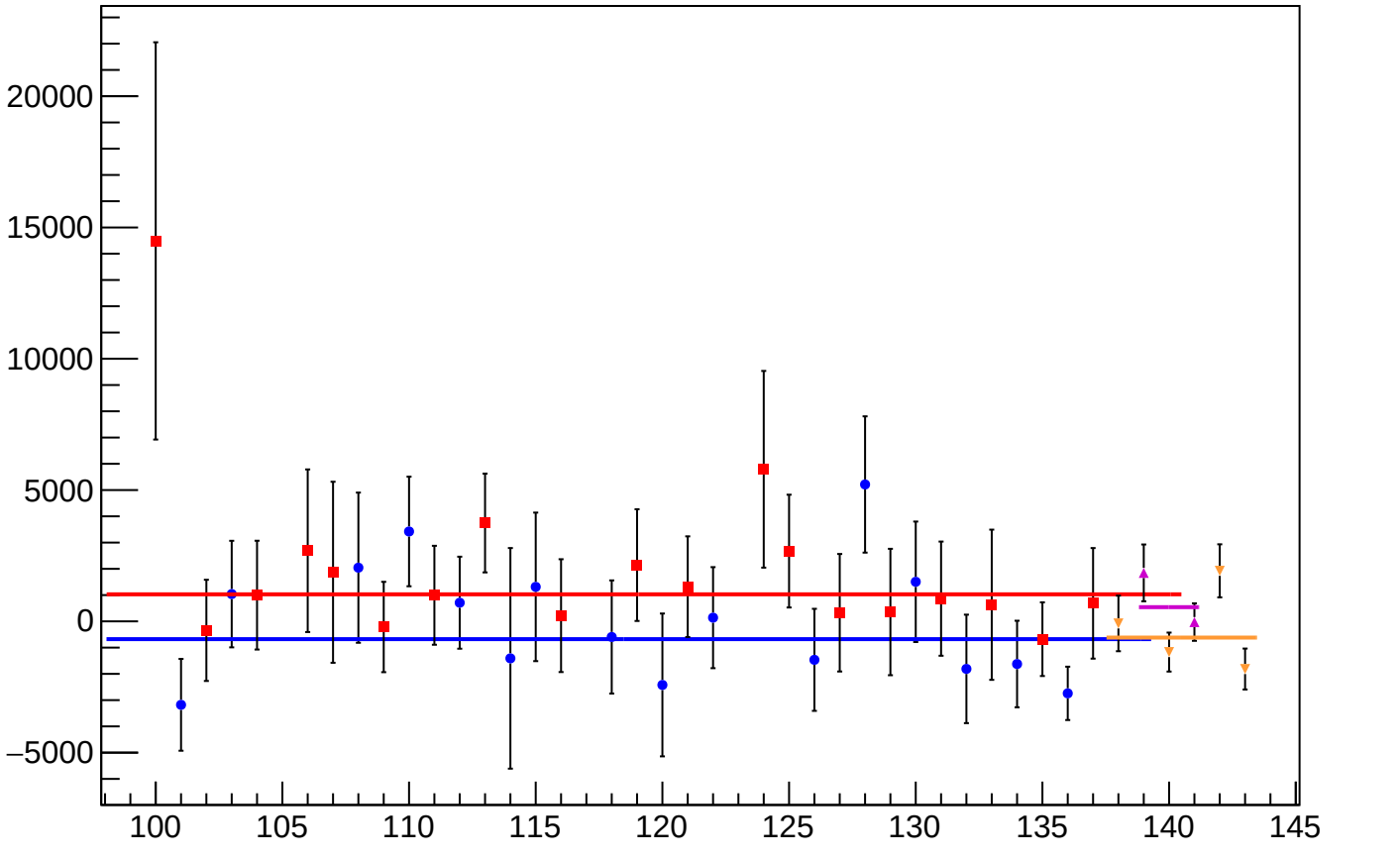
Left: 81.518+/-0.027 χ^2/NDF: 112792.3/5

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 88.053+/-0.021 χ^2/NDF:567984.2/17

Out: 88.256+/-0.020 χ^2/NDF:672510.7/22

All: 88.161+/-0.015 χ^2/NDF: 1240543.0/40



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -618.091+/-432.909 χ^2/NDF:9.5/3

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 540.885+/-595.635 χ^2/NDF:2.1/1

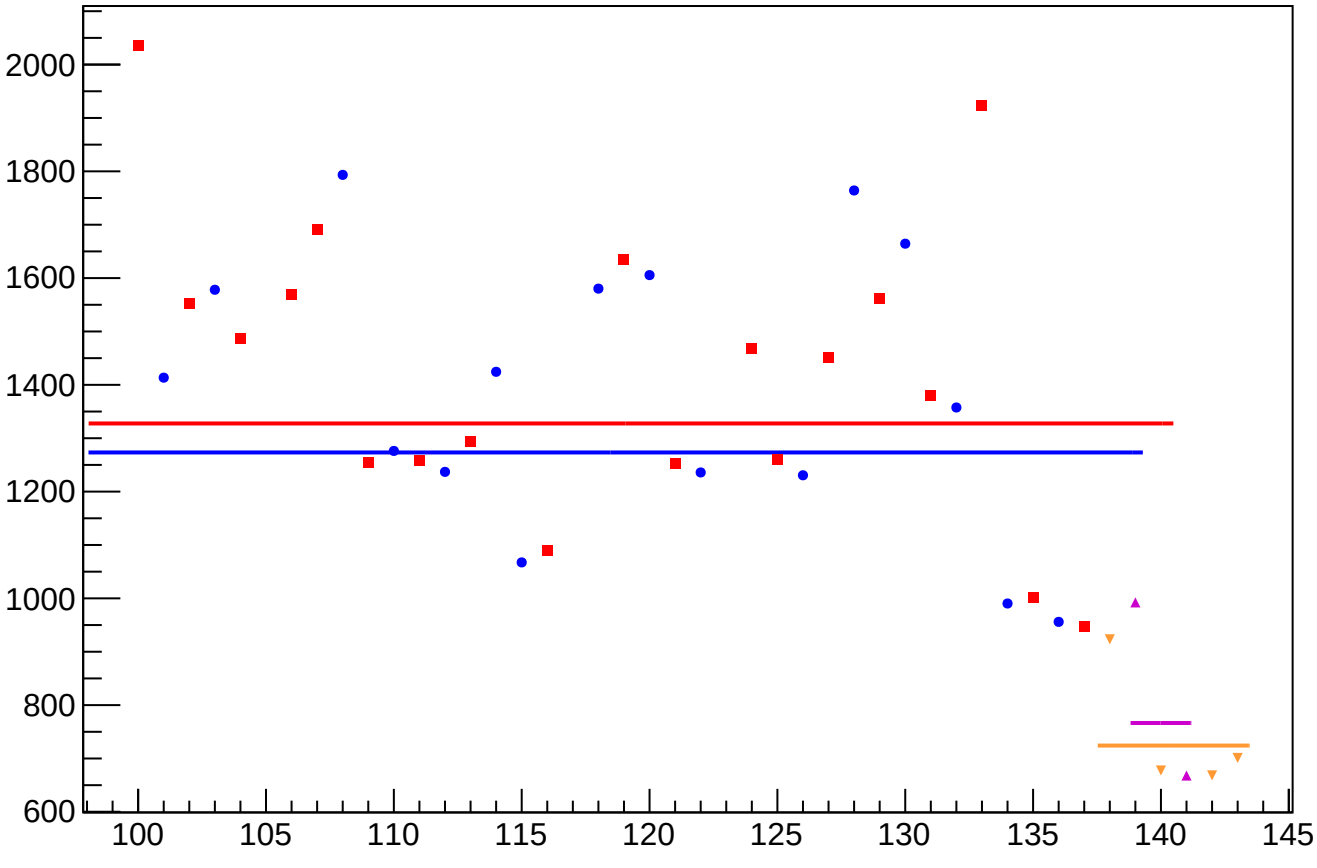
Left: -217.486+/-350.187 χ^2/NDF: 14.1/5

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -189.875+/-376.781 χ^2/NDF:24.9/17

Out: 92.613+/-326.441 χ^2/NDF:26.7/22

All: -28.512+/-246.721 χ^2/NDF: 51.9/40



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.211+/-0.306 χ^2/NDF:86572.5/3

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 766.514+/-0.421 χ^2/NDF:125383.7/1

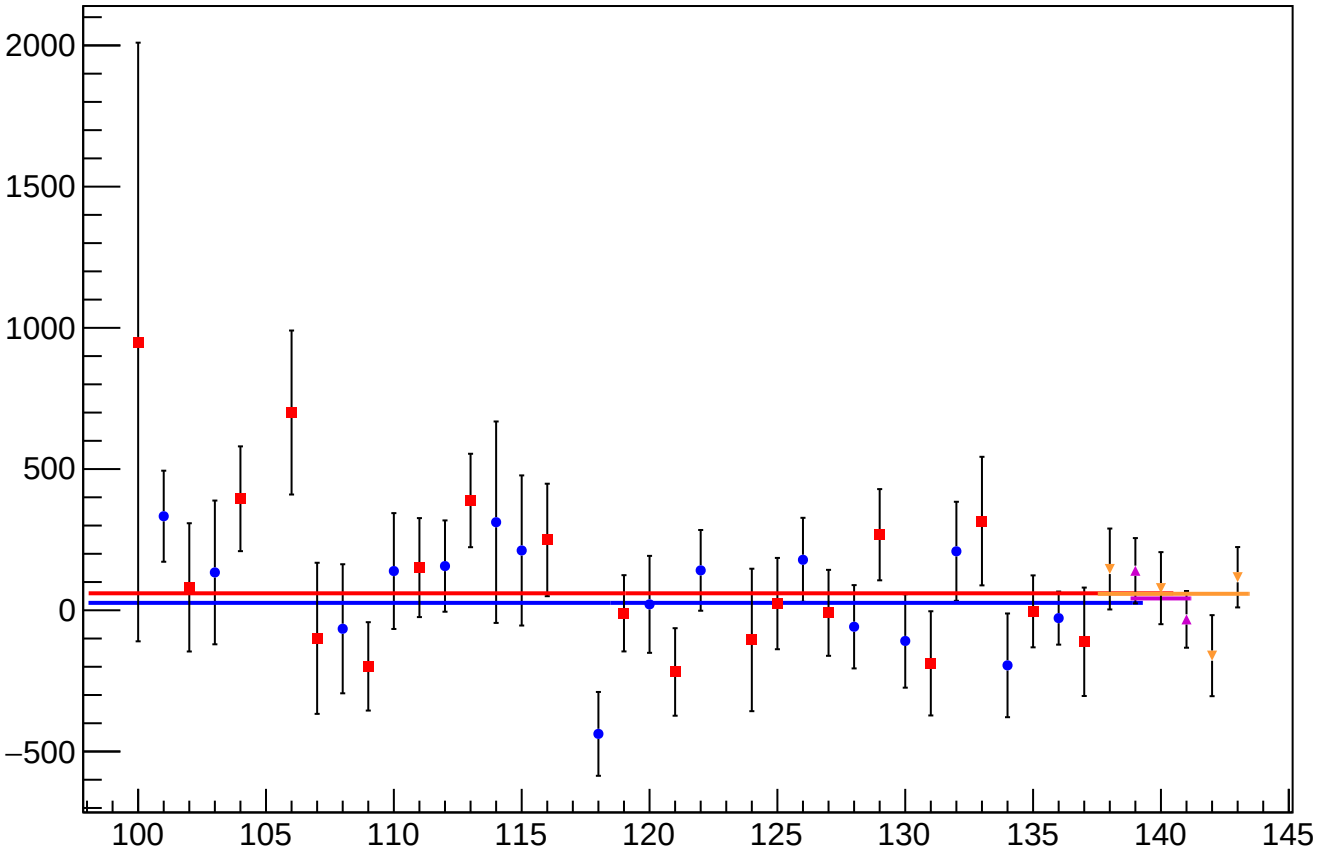
Left: 738.833+/-0.248 χ^2/NDF: 218557.3/5

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 1070.528+/-0.266 χ^2/NDF:1591517.2/17

Out: 984.531+/-0.231 χ^2/NDF:2221483.1/22

All: 1021.405+/-0.174 χ^2/NDF: 3872514.1/40



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 58.360+/-63.713 χ^2/NDF:3.0/3

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: 51.558+/-48.774 χ^2/NDF: 4.3/5

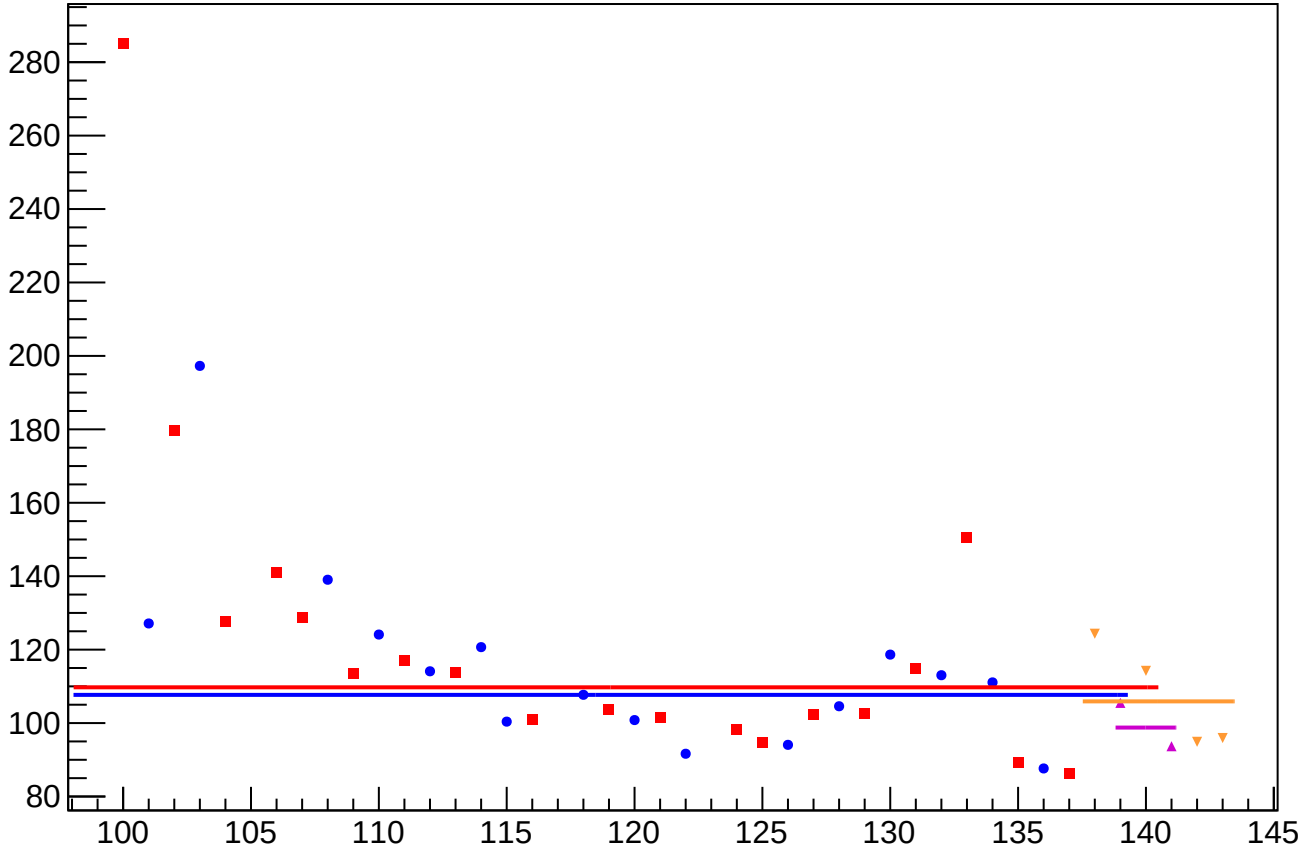
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 29.828+/-36.212 χ^2/NDF:22.7/17

Out: 59.595+/-34.790 χ^2/NDF:30.0/22

All: 45.308+/-25.088 χ^2/NDF: 53.0/40

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 105.910+/-0.045 χ^2/NDF:70810.7/3

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 98.774+/-0.054 χ^2/NDF:11892.7/1

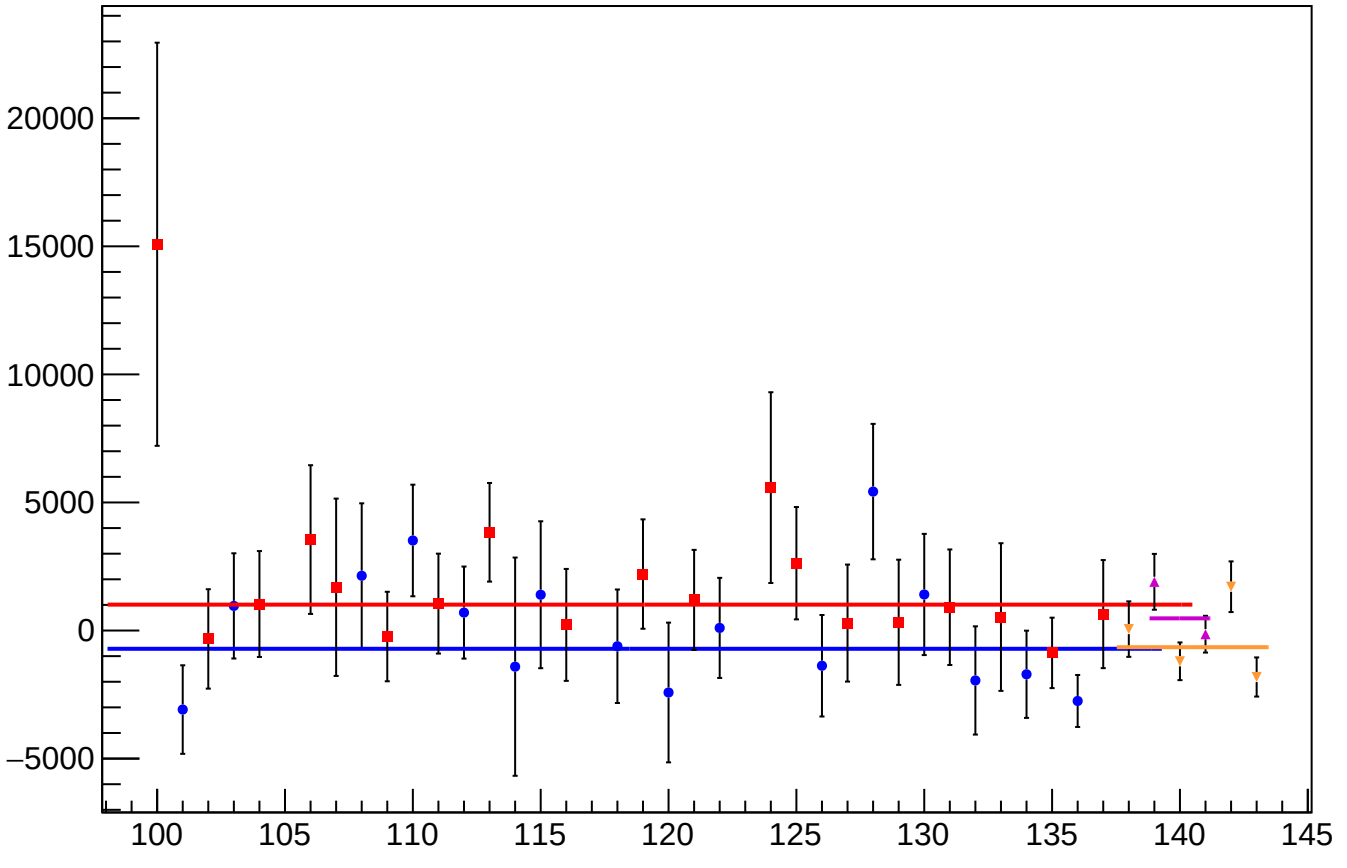
Left: 102.956+/-0.034 χ^2/NDF: 93088.9/5

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 105.648+/-0.026 χ^2/NDF:516320.8/17

Out: 108.598+/-0.025 χ^2/NDF:567668.0/22

All: 107.182+/-0.018 χ^2/NDF: 1090891.0/40



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -650.013+/-428.981 χ^2/NDF:9.0/3

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 475.378+/-599.173 χ^2/NDF:2.5/1

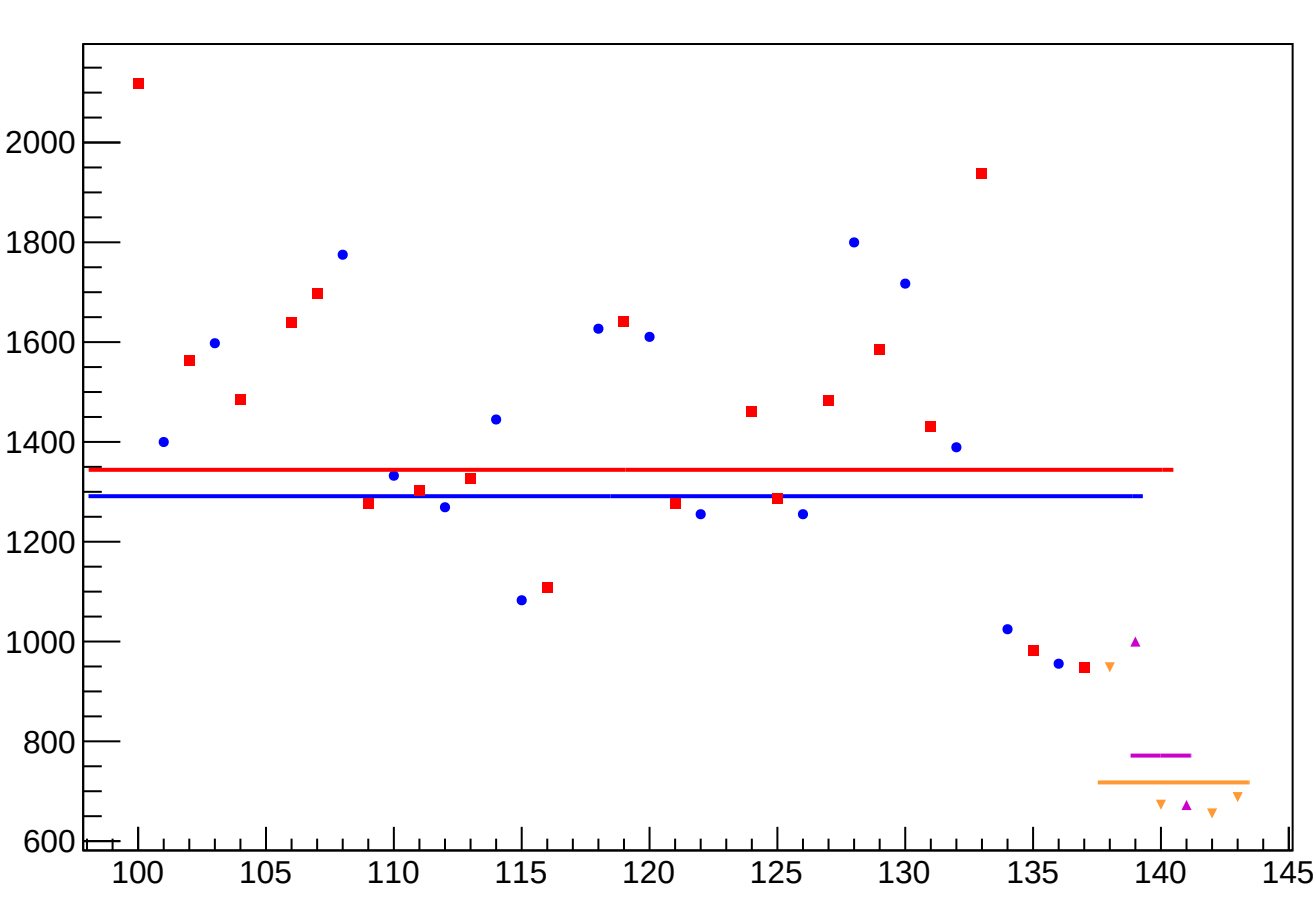
Left: -268.637+/-348.800 χ^2/NDF: 13.8/5

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -232.894+/-380.814 χ^2/NDF:24.9/17

Out: 51.837+/-325.953 χ^2/NDF:27.1/22

All: -68.560+/-247.629 χ^2/NDF: 52.3/40



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 717.657+/-0.303 χ^2/NDF:109005.2/3

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 771.426+/-0.424 χ^2/NDF:126079.4/1

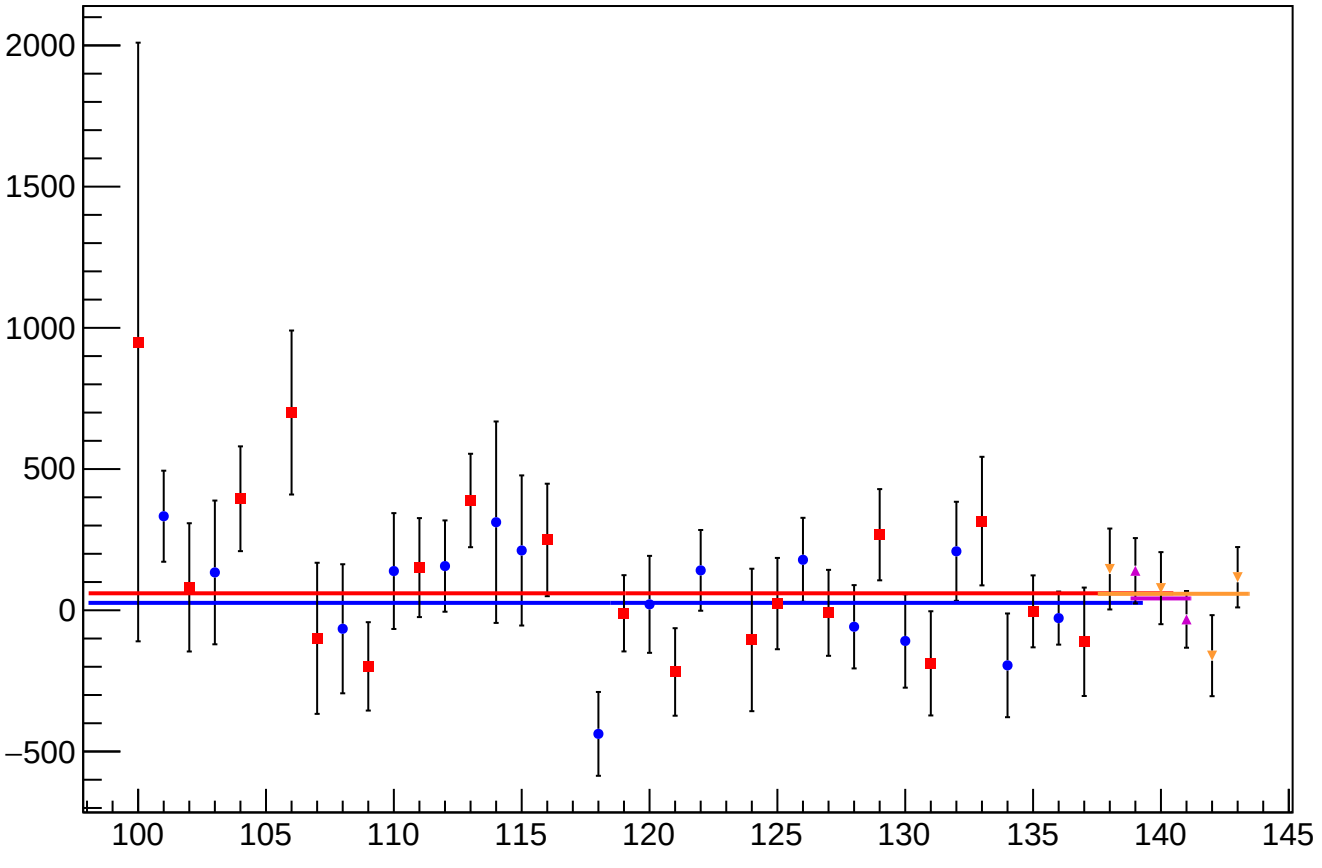
Left: 735.878+/-0.247 χ^2/NDF: 245732.8/5

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 1081.254+/-0.269 χ^2/NDF:1634156.7/17

Out: 982.434+/-0.230 χ^2/NDF:2402695.0/22

All: 1024.219+/-0.175 χ^2/NDF: 4114581.2/40



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 58.361+/-63.713 χ^2/NDF:3.0/3

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 41.927+/-75.806 χ^2/NDF:1.3/1

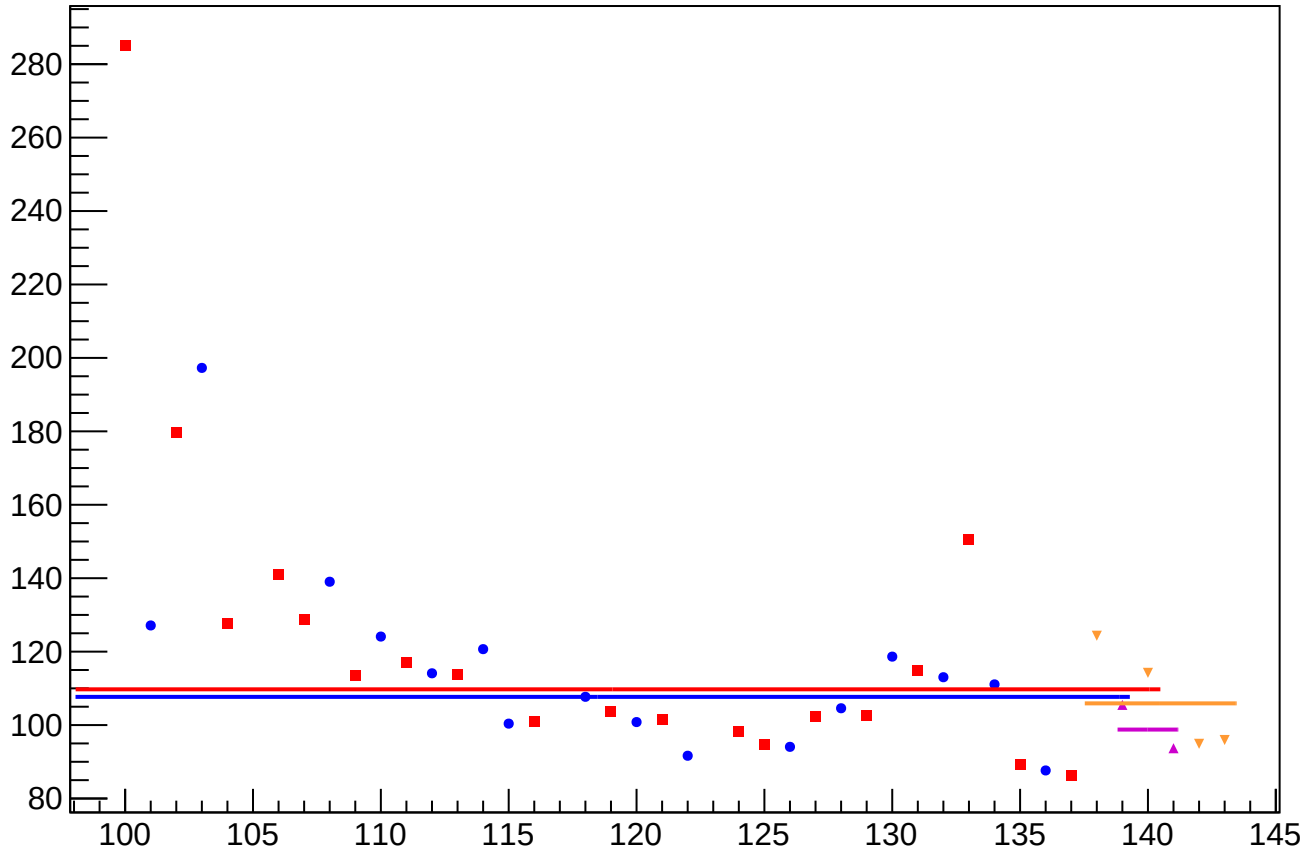
Left: 51.558+/-48.774 χ^2/NDF: 4.3/5

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 29.829+/-36.212 χ^2/NDF:22.7/17

Out: 59.594+/-34.790 χ^2/NDF:30.0/22

All: 45.307+/-25.088 χ^2/NDF: 53.0/40



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 105.910+/-0.045 χ^2/NDF:70807.7/3

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: 102.956+/-0.034 χ^2/NDF: 93085.1/5

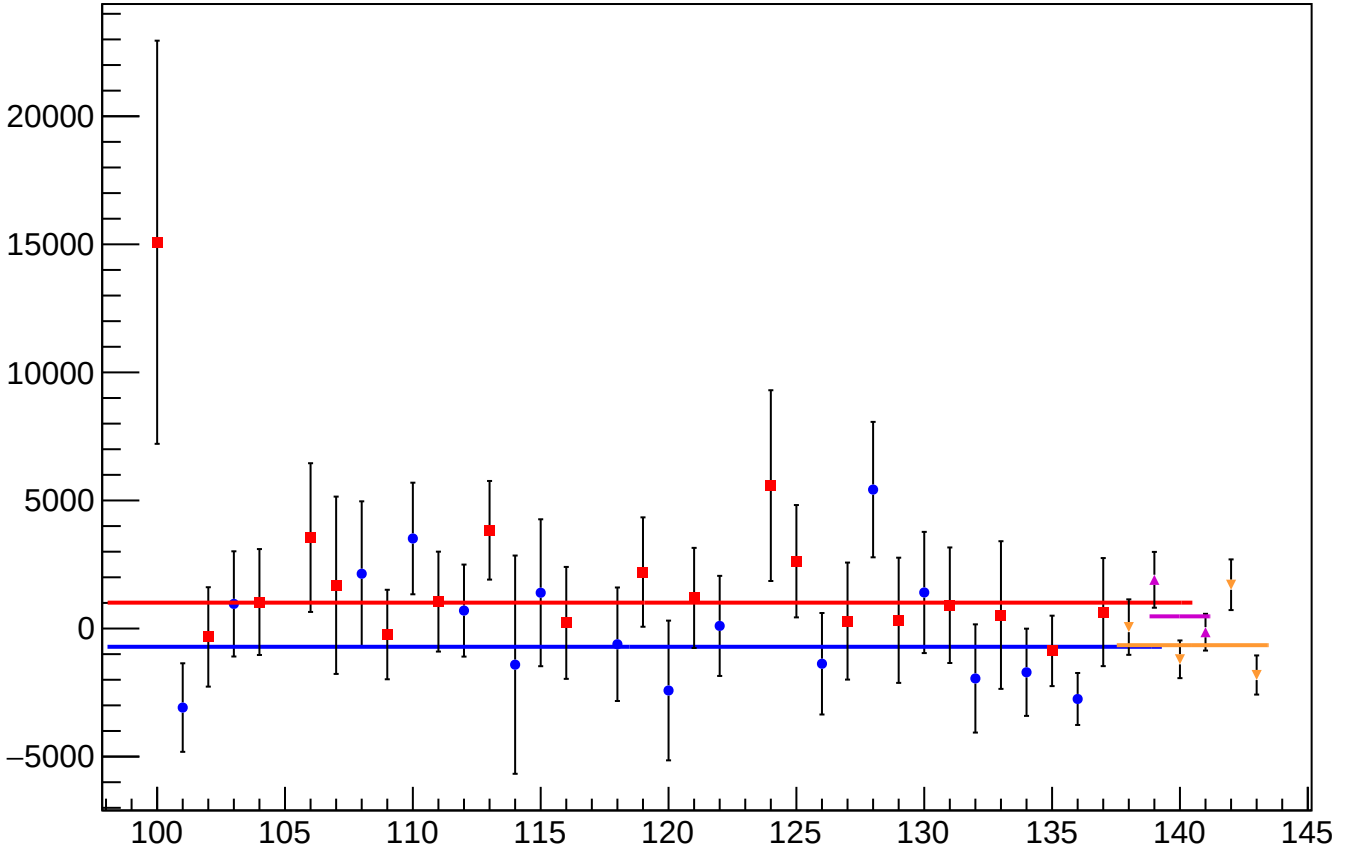
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 105.647+/-0.026 χ^2/NDF:516302.9/17

Out: 108.597+/-0.025 χ^2/NDF:567660.4/22

All: 107.181+/-0.018 χ^2/NDF: 1090866.1/40

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: -650.015+/-428.980 χ^2/NDF:9.0/3

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 475.379+/-599.171 χ^2/NDF:2.5/1

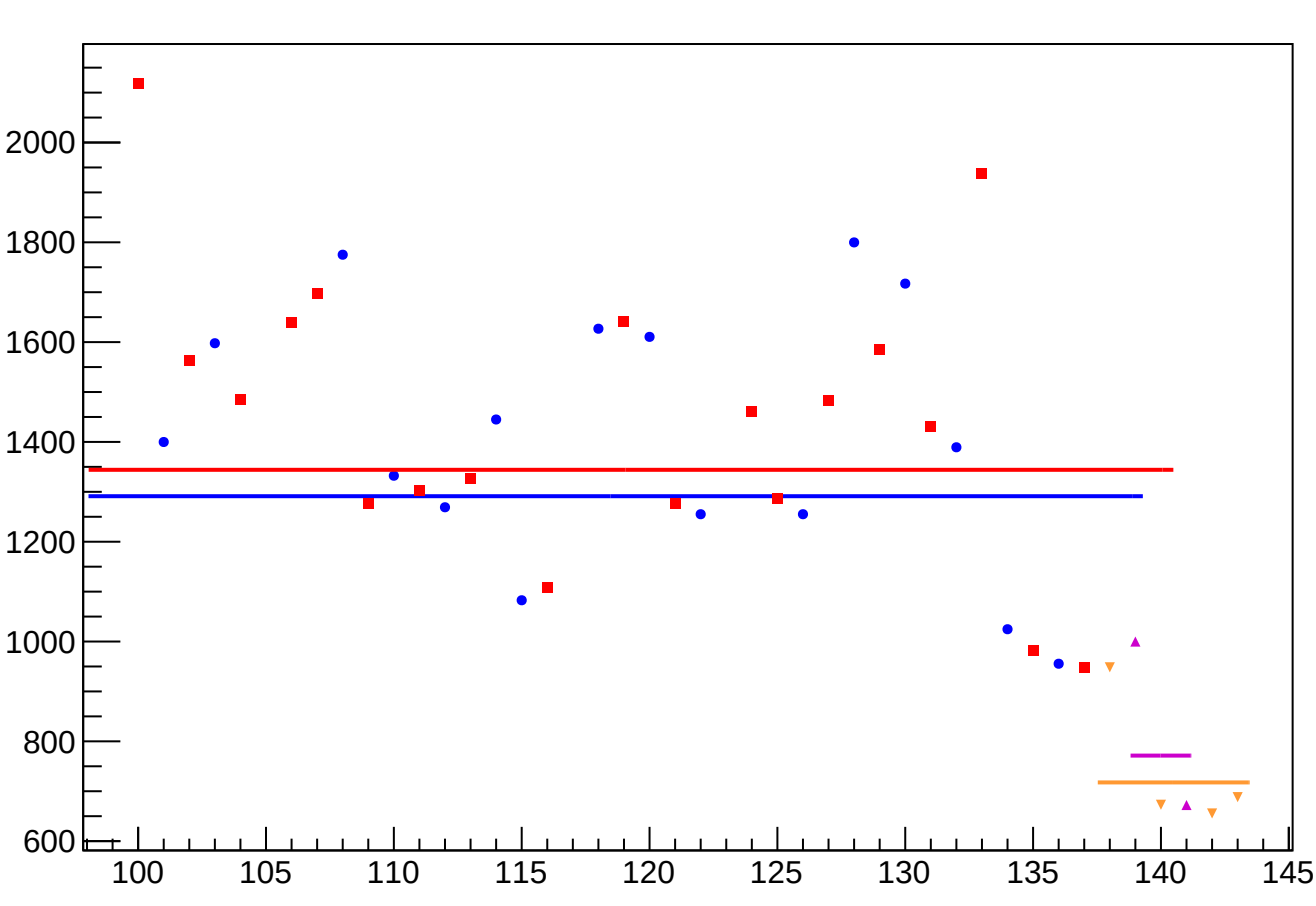
Left: -268.638+/-348.799 χ^2/NDF: 13.8/5

Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -232.890+/-380.813 χ^2/NDF:24.9/17

Out: 51.835+/-325.952 χ^2/NDF:27.1/22

All: -68.559+/-247.629 χ^2/NDF: 52.3/40



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 717.656+/-0.303 χ^2/NDF:109002.9/3

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: 735.877+/-0.247 χ^2/NDF: 245729.7/5

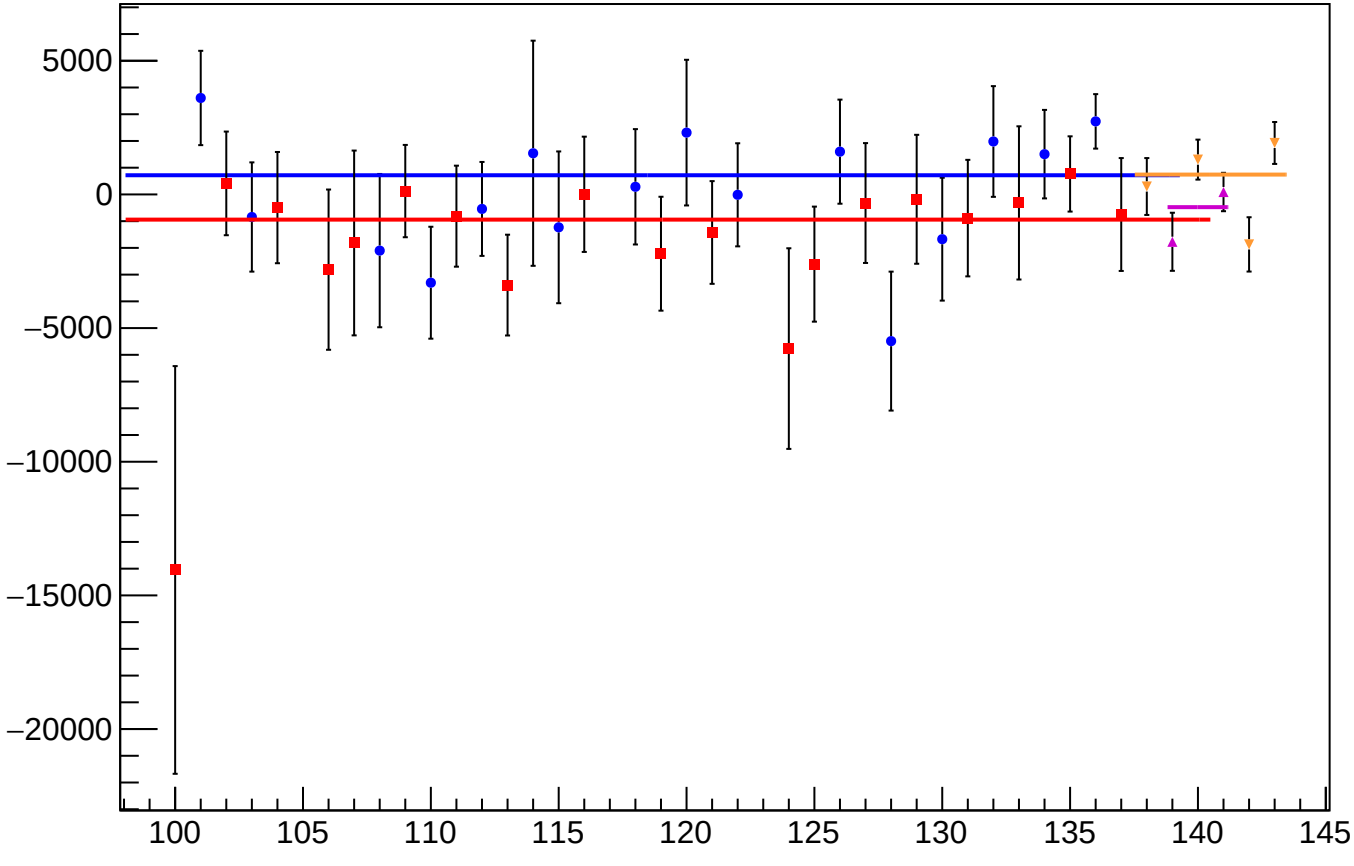
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 1081.251+/-0.269 χ^2/NDF:1634156.5/17

Out: 982.432+/-0.230 χ^2/NDF:2402688.0/22

All: 1024.217+/-0.175 χ^2/NDF: 4114572.7/40

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 742.440+/-435.730 χ^2/NDF:9.6/3

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: 320.987+/-352.395 χ^2/NDF: 14.4/5

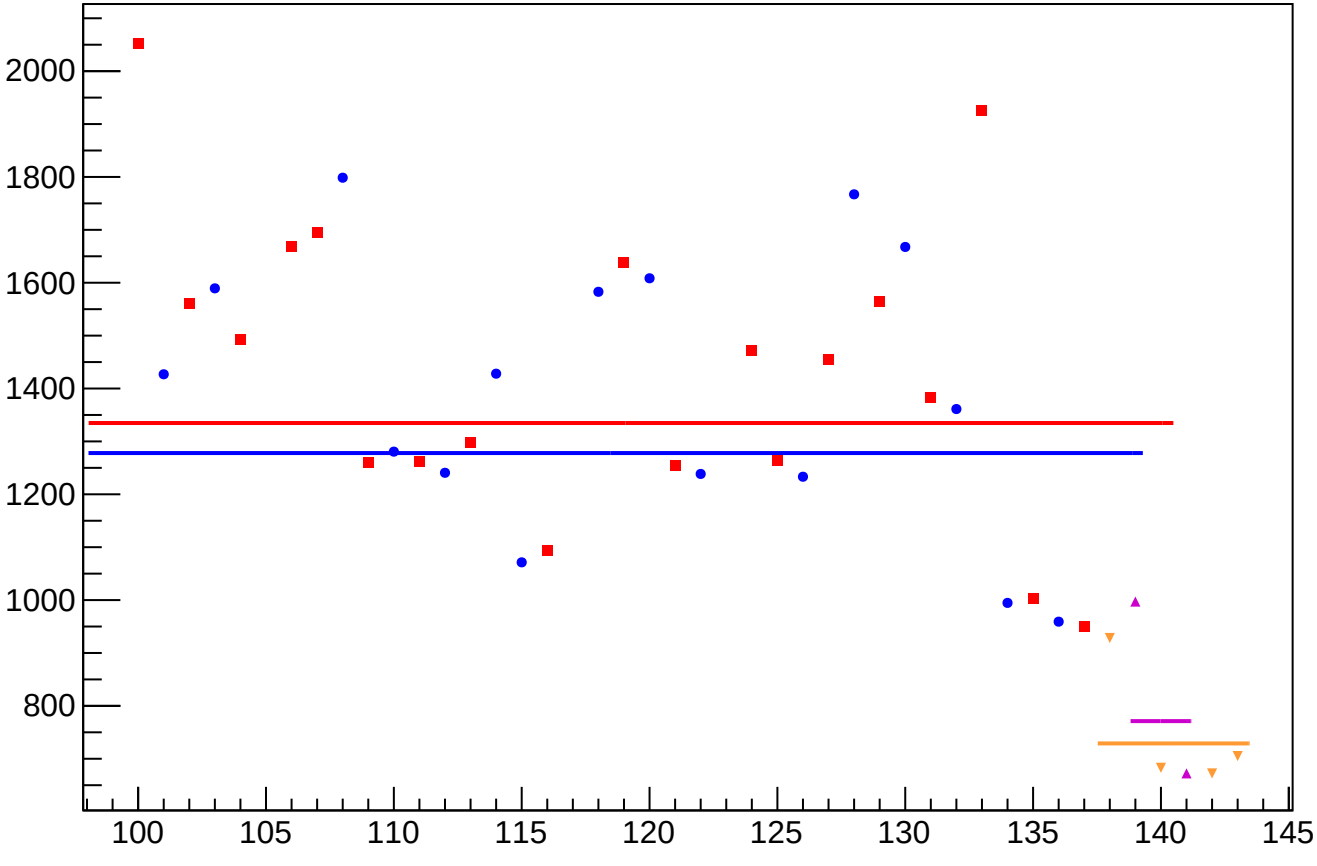
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 241.348+/-378.487 χ^2/NDF:25.4/17

Out: 12.010+/-327.941 χ^2/NDF:26.7/22

All: 110.354+/-247.848 χ^2/NDF: 52.3/40

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 728.980+/-0.308 χ^2/NDF:85881.1/3

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 771.165+/-0.424 χ^2/NDF:124419.9/1

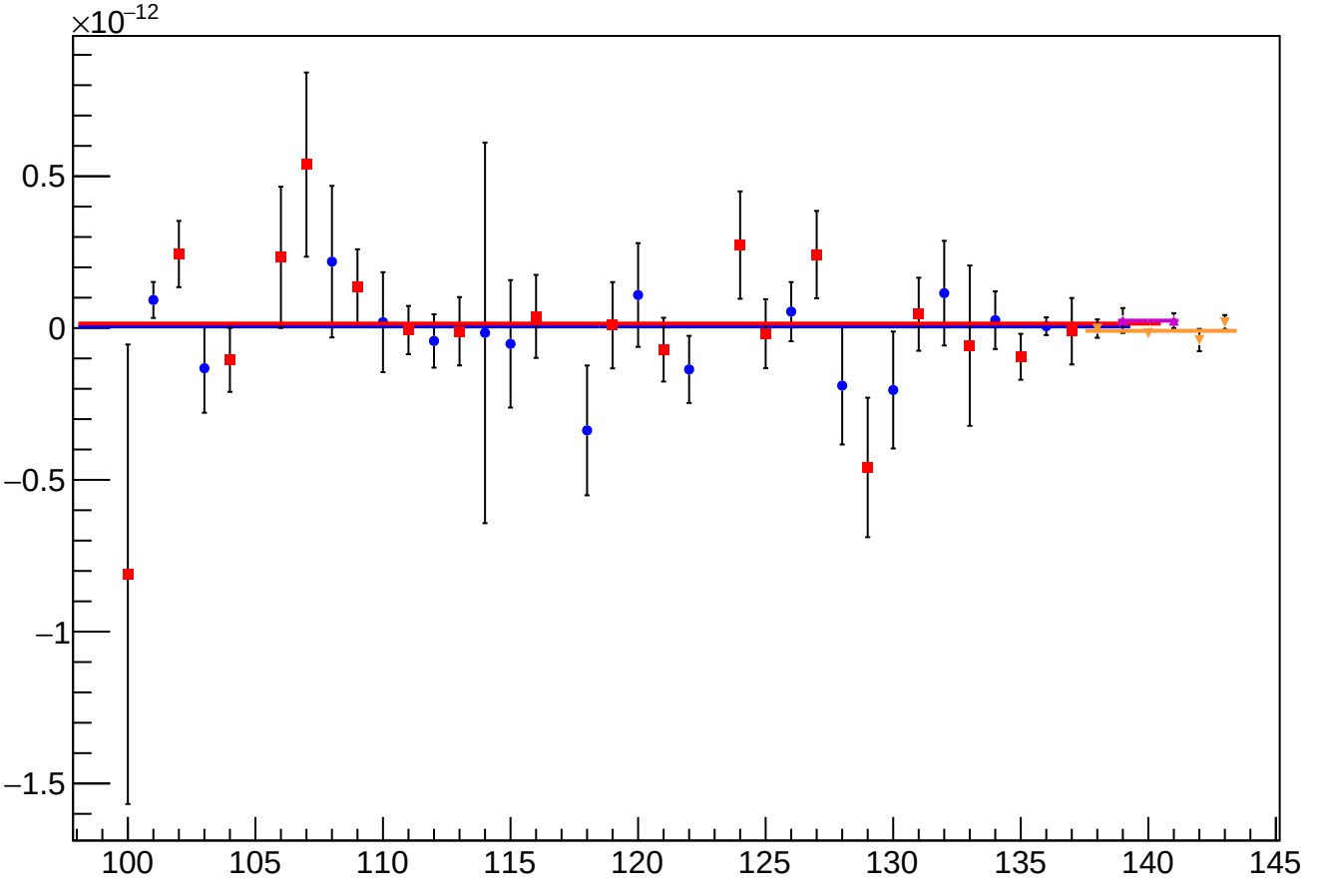
Left: 743.573+/-0.249 χ^2/NDF: 216785.8/5

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 1075.734+/-0.268 χ^2/NDF:1582072.7/17

Out: 991.625+/-0.232 χ^2/NDF:2233843.6/22

All: 1027.692+/-0.175 χ^2/NDF: 3872330.8/40



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

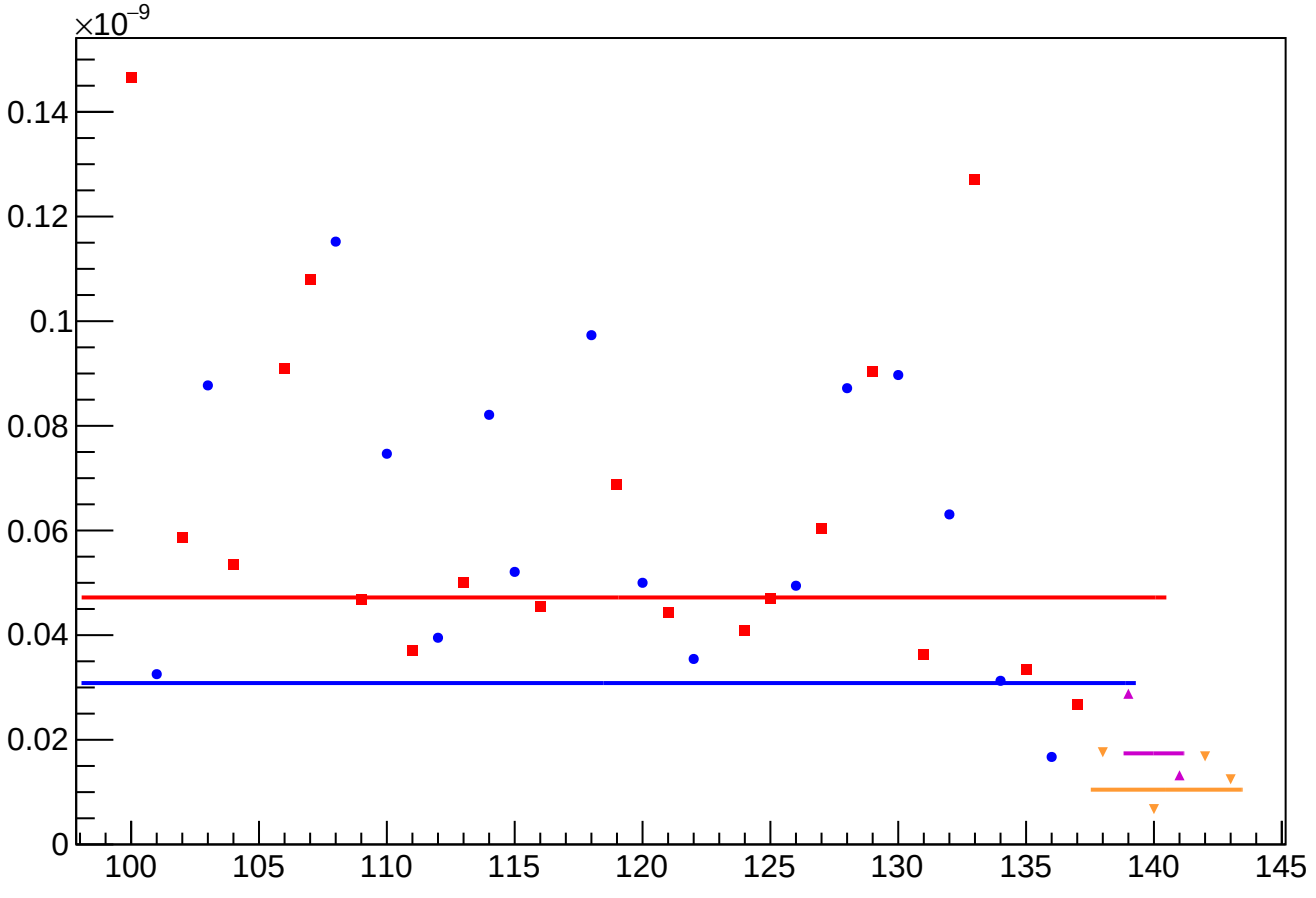
Left: -0.000+/-0.000 χ^2/NDF: 4.4/5

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:26.8/22

All: 0.000+/-0.000 χ^2/NDF: 40.1/40



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:305317.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:212234.1/1

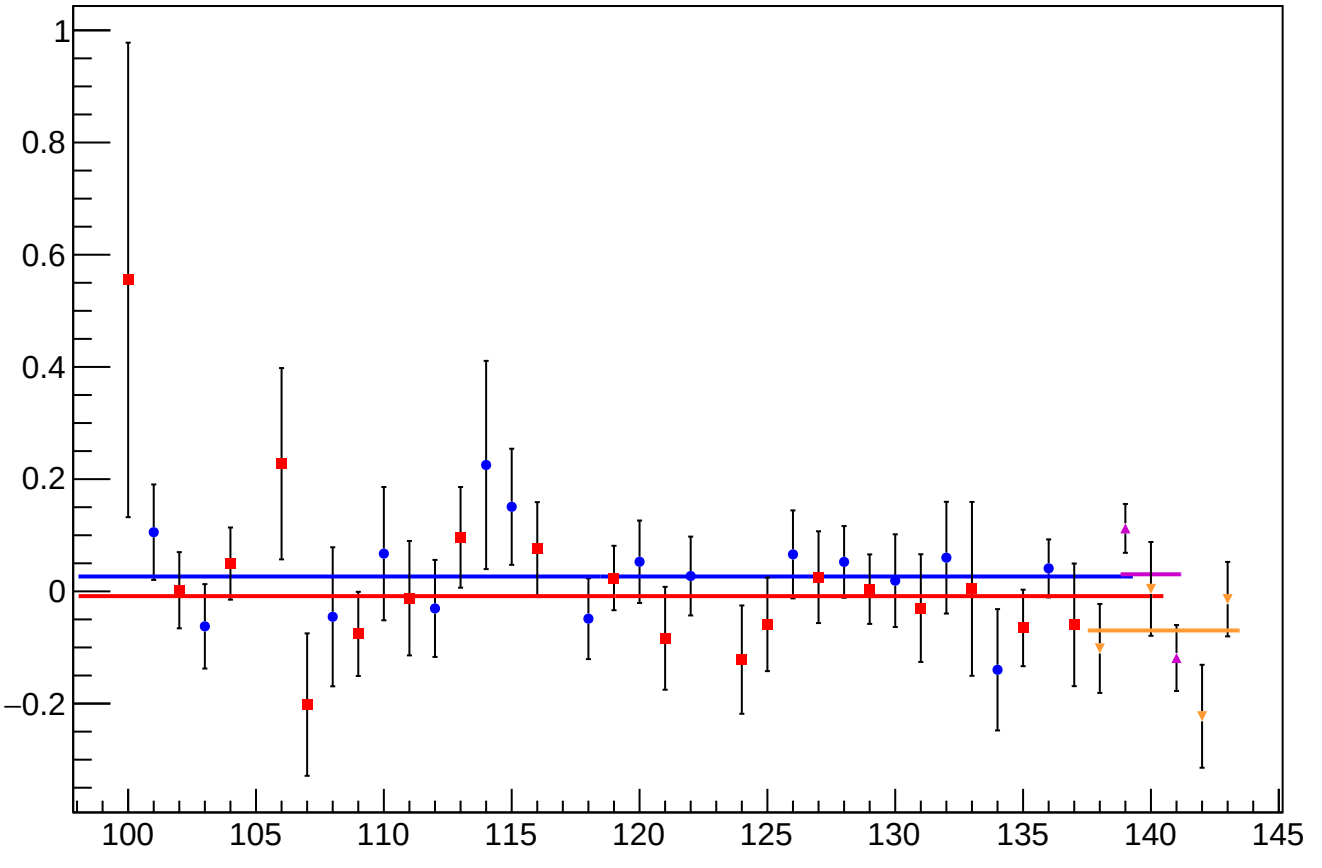
Left: 0.000+/-0.000 χ^2/NDF: 684757.4/5

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:3881667.4/22

All: 0.000+/-0.000 χ^2/NDF: 6842416.5/40



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.035 χ^2/NDF:10.0/1

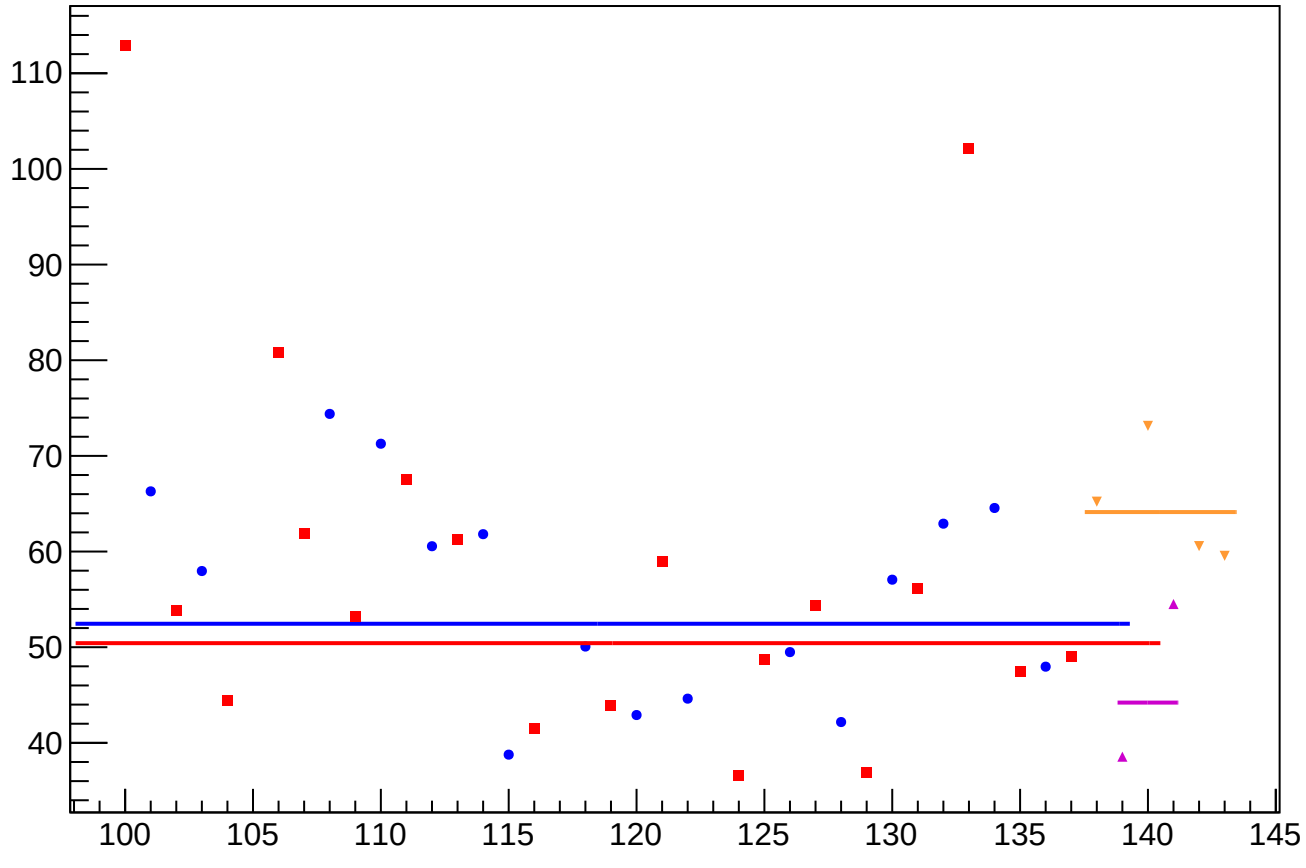
Left: -0.014+/-0.026 χ^2/NDF: 18.0/5

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.003+/-0.012 χ^2/NDF: 44.0/40



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.1/3

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: 53.022+/-0.018 χ^2/NDF: 417916.5/5

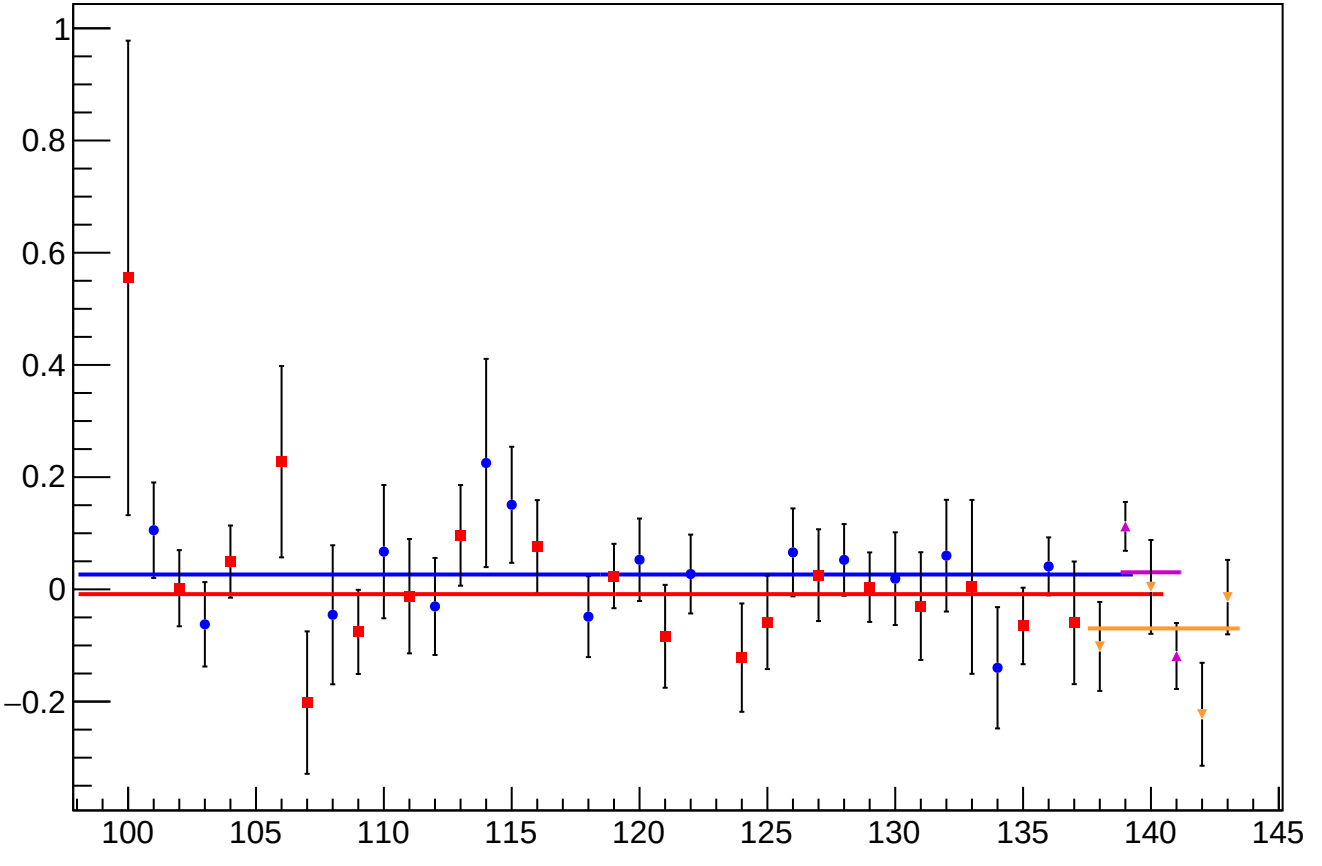
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.361+/-0.012 χ^2/NDF:595937.9/17

Out: 53.127+/-0.012 χ^2/NDF:908240.4/22

All: 51.757+/-0.009 χ^2/NDF: 1529060.3/40

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: -0.070+/-0.039 χ^2/NDF:4.4/3

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: -0.014+/-0.026 χ^2/NDF: 18.0/5

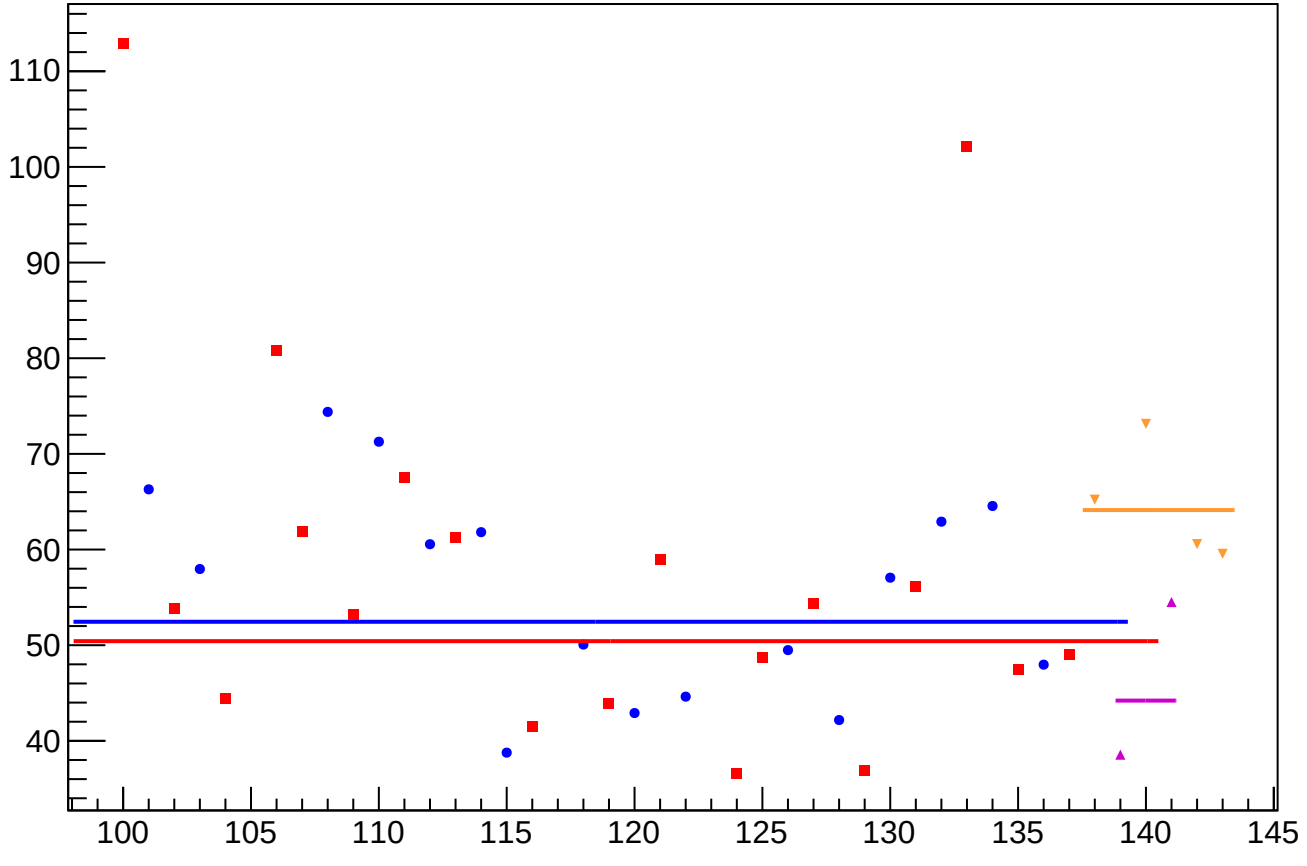
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.003+/-0.012 χ^2/NDF: 44.0/40

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.1/3

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 44.210+/-0.025 χ^2/NDF:95136.6/1

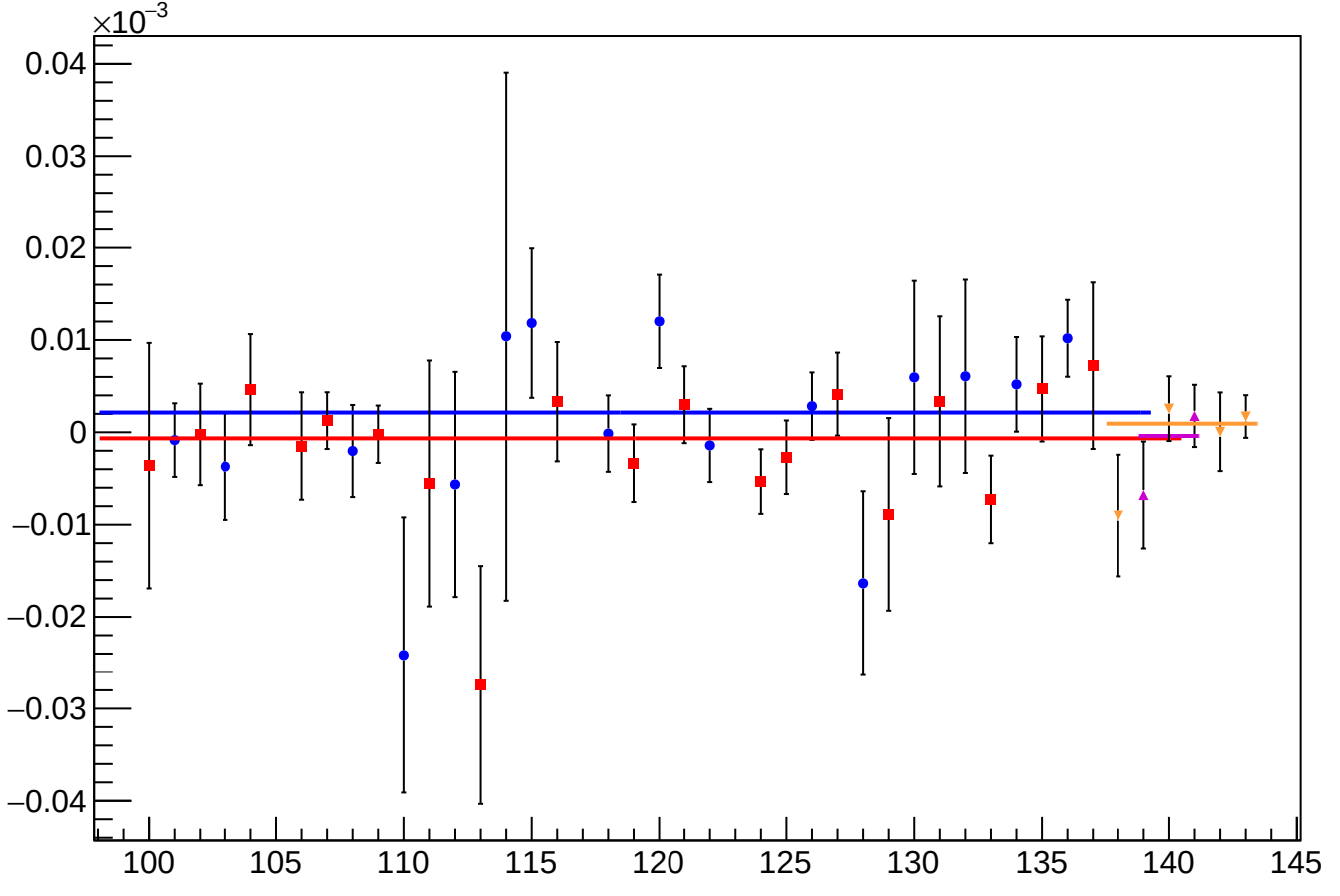
Left: 53.022+/-0.018 χ^2/NDF: 417916.5/5

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.361+/-0.012 χ^2/NDF:595937.9/17

Out: 53.127+/-0.012 χ^2/NDF:908240.4/22

All: 51.757+/-0.009 χ^2/NDF: 1529060.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/3

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: 4.4/5

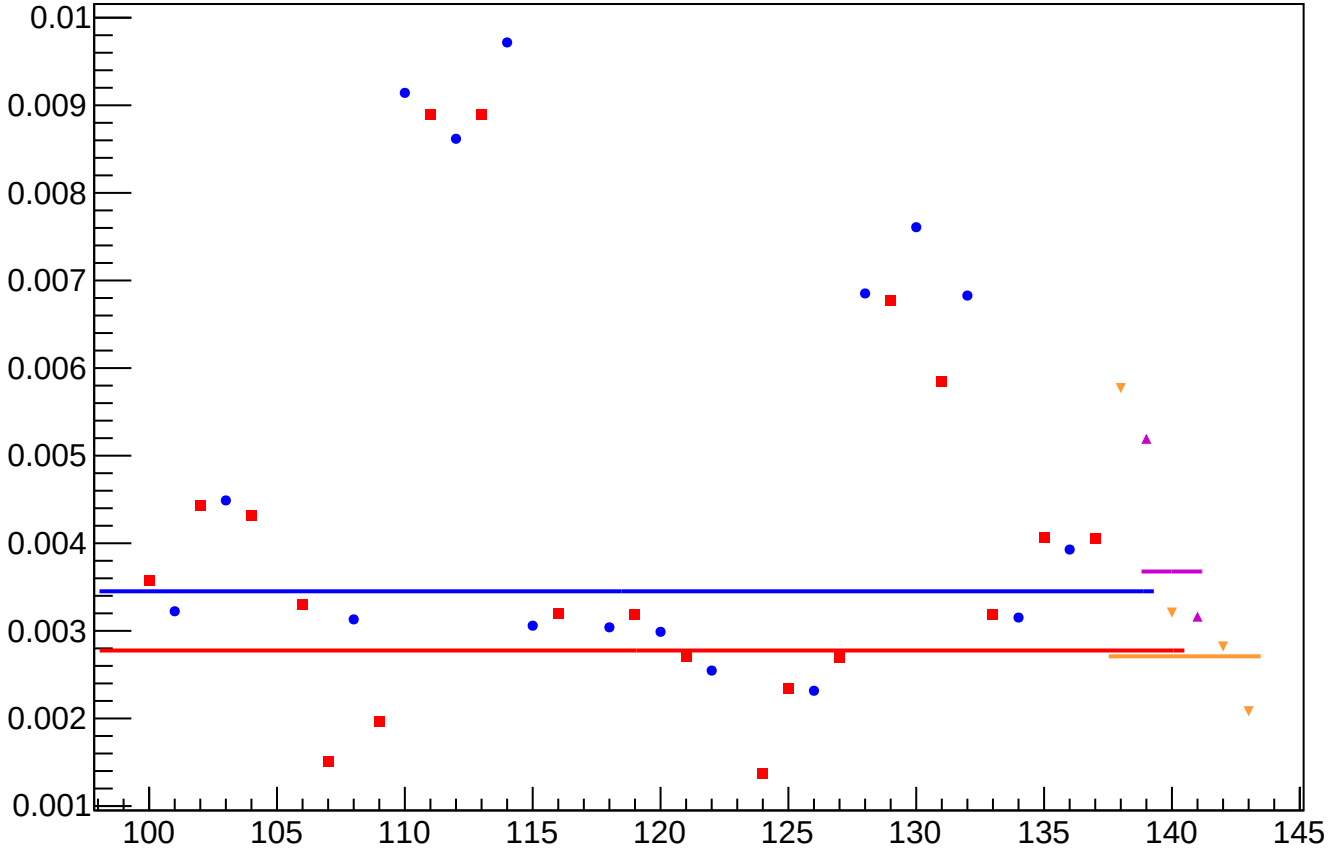
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/17

Out: -0.000+/-0.000 χ^2/NDF:18.1/22

All: 0.000+/-0.000 χ^2/NDF: 41.8/40

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: 0.003+/-0.000 χ^2/NDF:621629.7/3

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.004+/-0.000 χ^2/NDF:183756.4/1

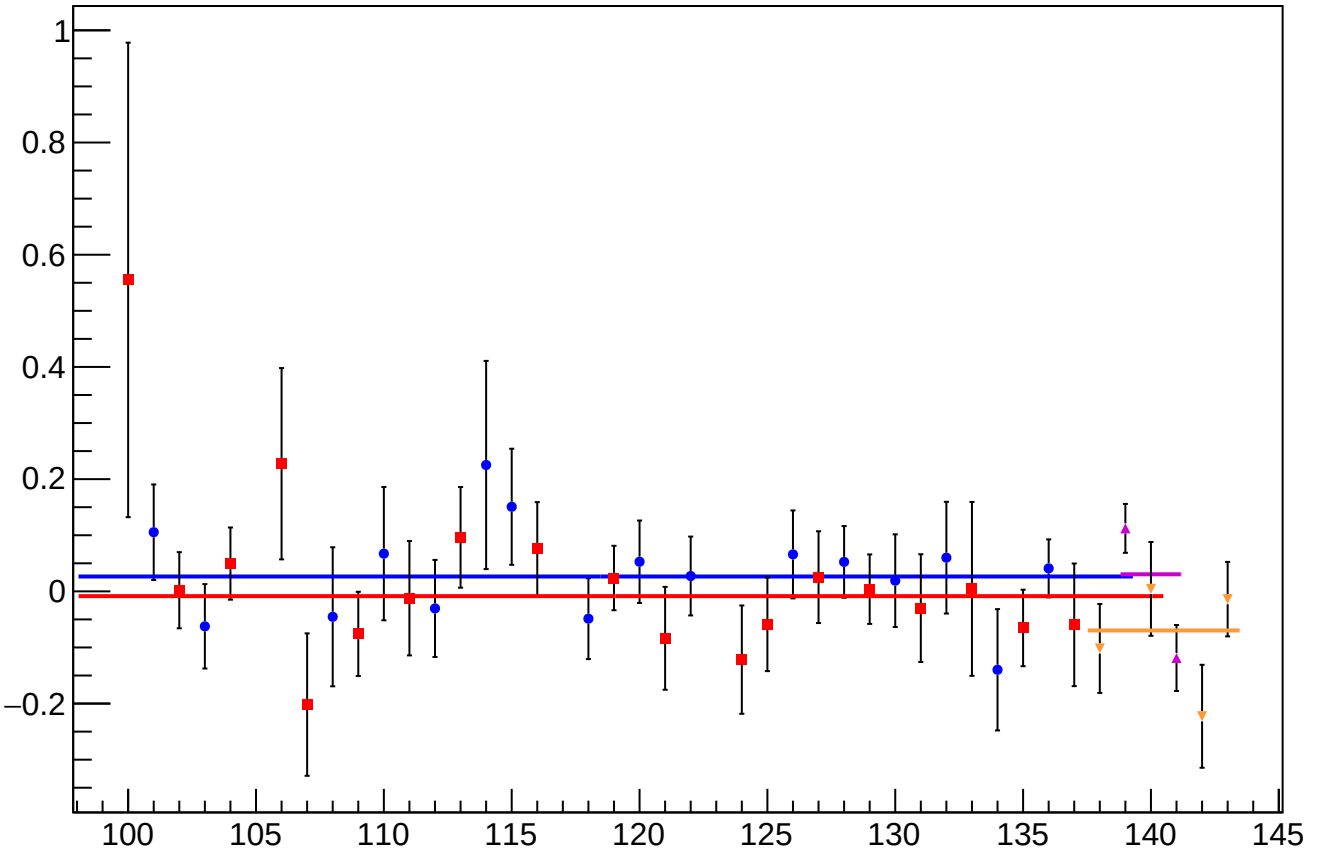
Left: 0.003+/-0.000 χ^2/NDF: 970134.9/5

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:3358663.0/22

All: 0.003+/-0.000 χ^2/NDF: 5944518.6/40



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.070+/-0.039 χ^2/NDF:4.4/3

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: -0.014+/-0.026 χ^2/NDF: 18.0/5

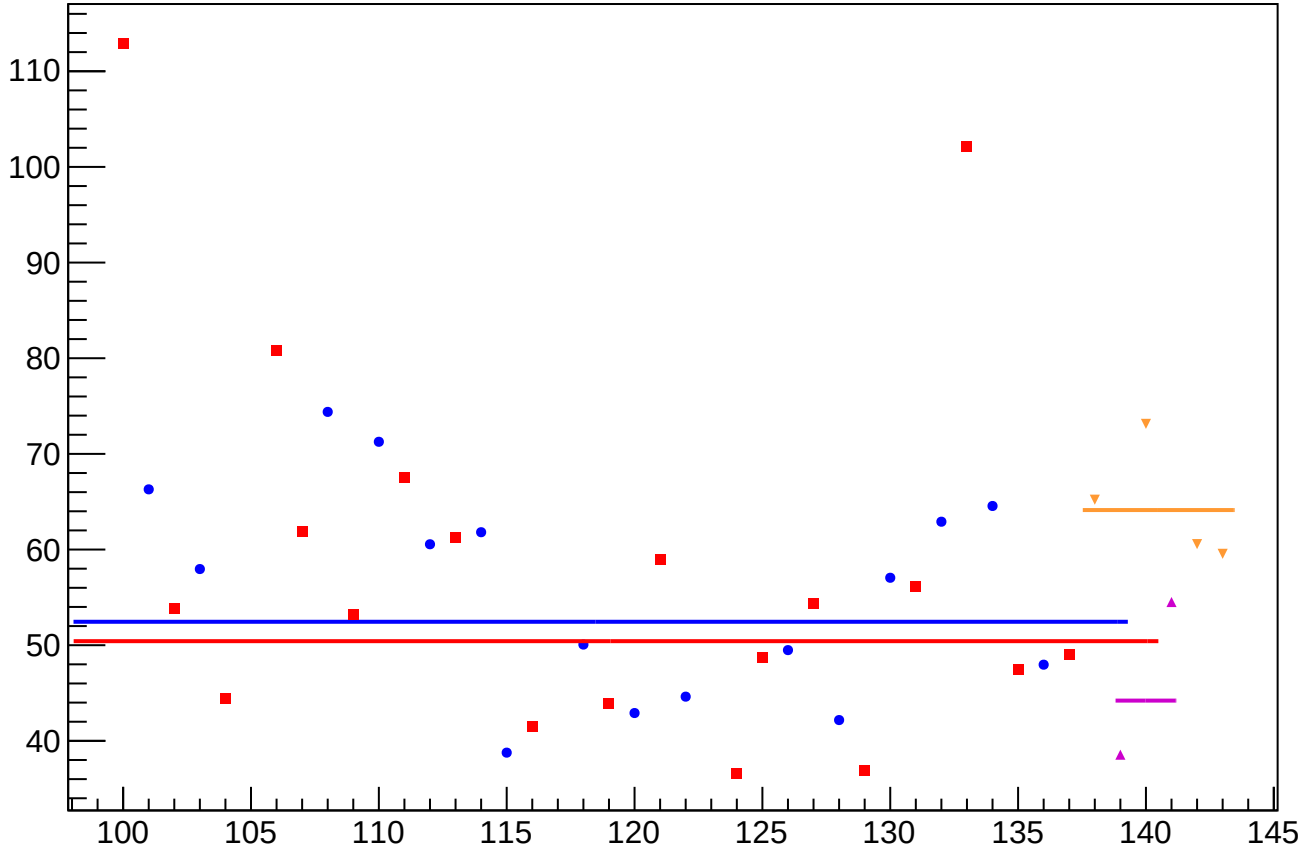
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.003+/-0.012 χ^2/NDF: 44.0/40

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.0/3

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: 53.021+/-0.018 χ^2/NDF: 417946.9/5

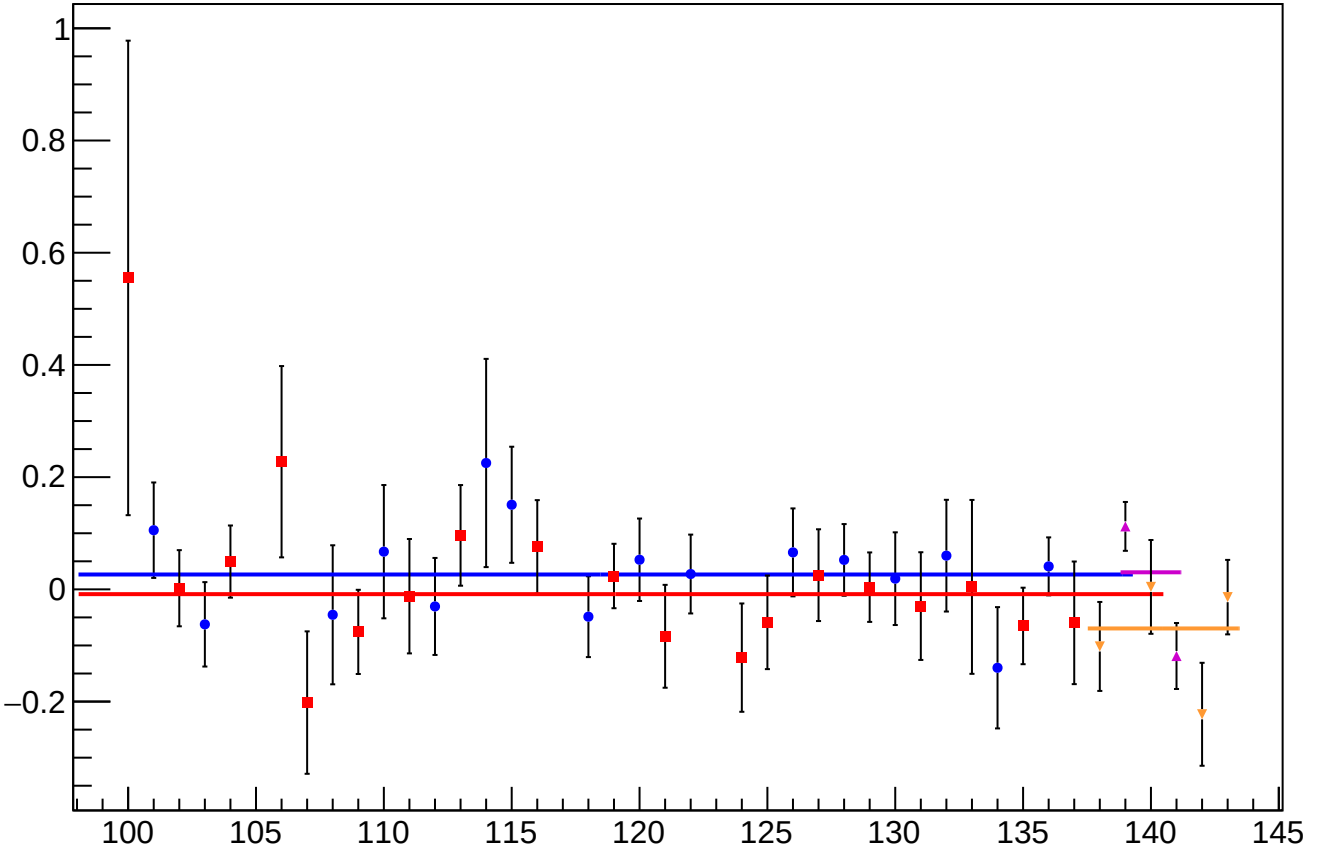
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.360+/-0.012 χ^2/NDF:595897.6/17

Out: 53.126+/-0.012 χ^2/NDF:908274.9/22

All: 51.757+/-0.009 χ^2/NDF: 1529054.7/40

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: -0.070+/-0.039 χ^2/NDF:4.4/3

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: -0.014+/-0.026 χ^2/NDF: 18.0/5

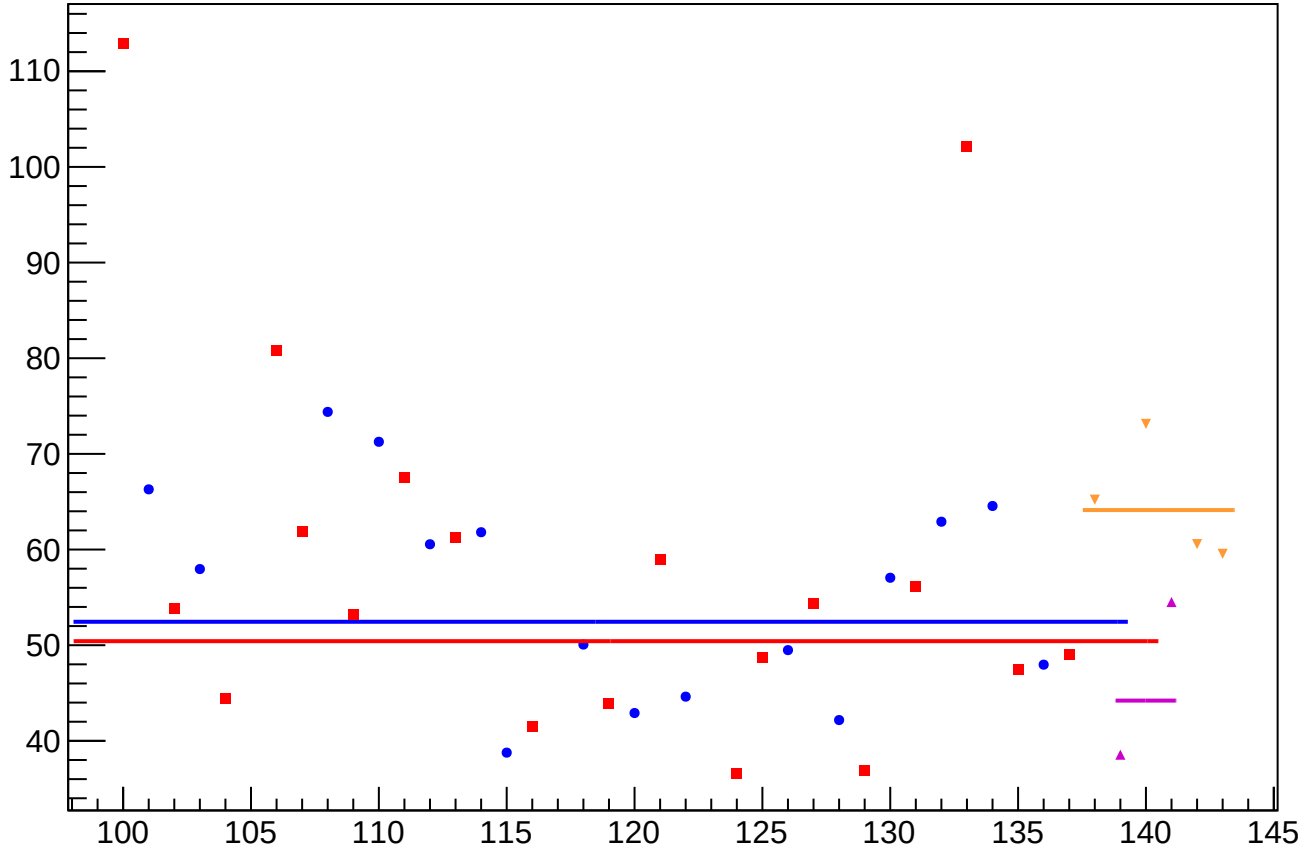
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.018 χ^2/NDF:19.9/17

Out: -0.021+/-0.017 χ^2/NDF:20.3/22

All: 0.003+/-0.012 χ^2/NDF: 44.0/40

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 64.128+/-0.028 χ^2/NDF:36118.0/3

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 44.209+/-0.025 χ^2/NDF:95151.7/1

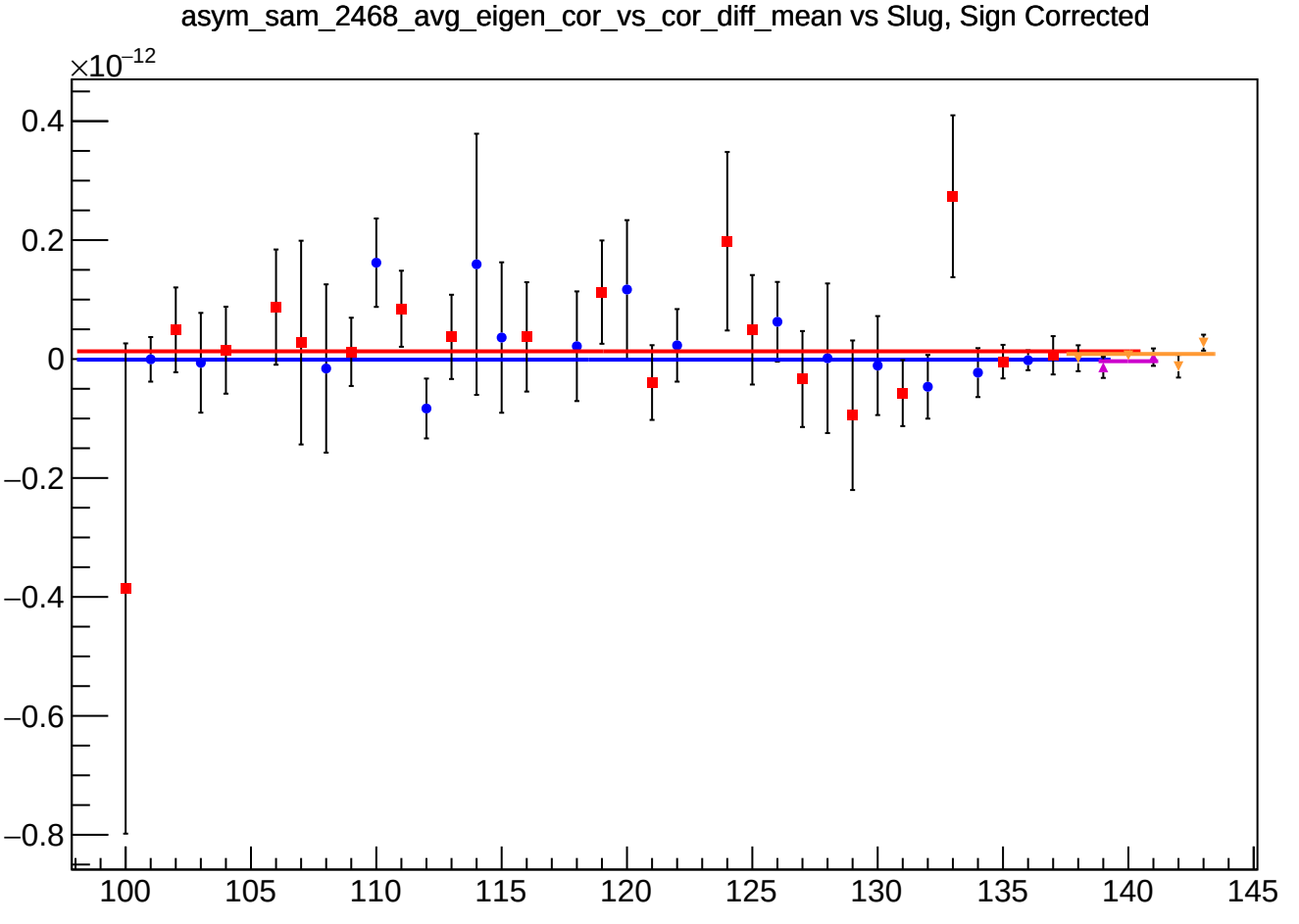
Left: 53.021+/-0.018 χ^2/NDF: 417946.9/5

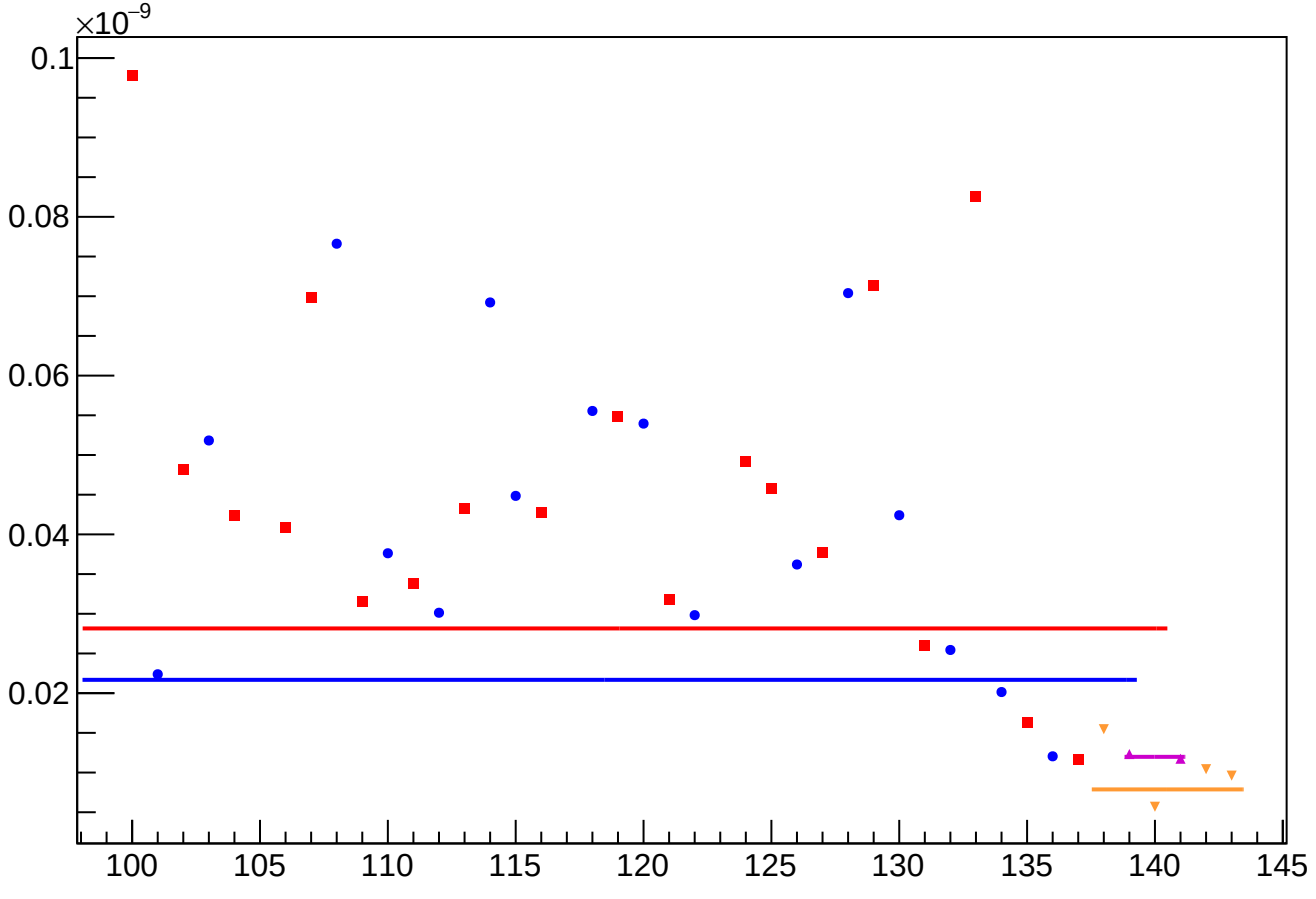
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.360+/-0.012 χ^2/NDF:595897.6/17

Out: 53.126+/-0.012 χ^2/NDF:908274.9/22

All: 51.757+/-0.009 χ^2/NDF: 1529054.7/40


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
145
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.4/3
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: 4.8/5
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:17.1/22
All: 0.000+/-0.000 χ²/NDF: 30.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:454067.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1294.9/1

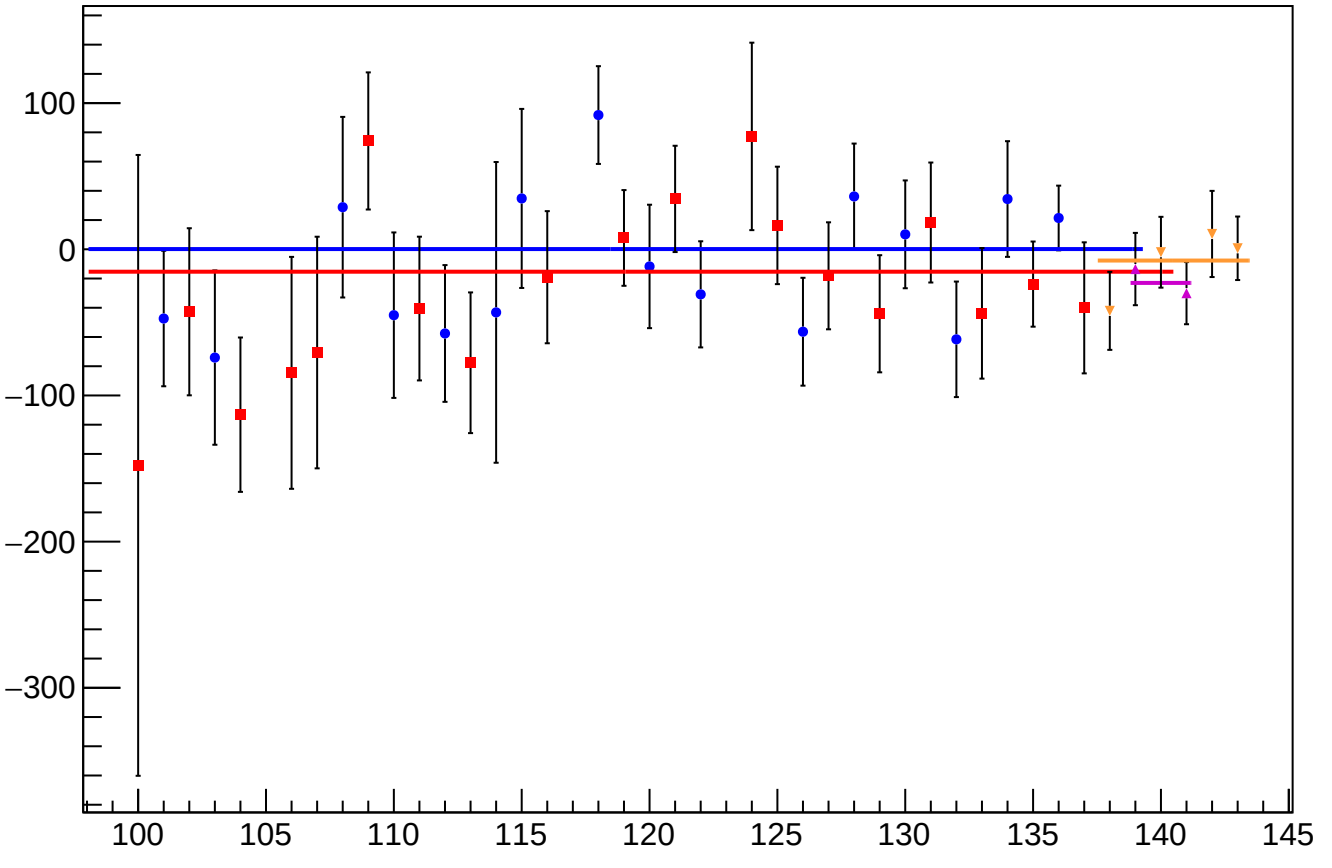
Left: 0.000+/-0.000 χ^2/NDF: 655617.2/5

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:6128826.8/22

All: 0.000+/-0.000 χ^2/NDF: 9939738.4/40



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.702+/-12.520 χ^2/NDF:2.3/3

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -23.004+/-16.124 χ^2/NDF:0.3/1

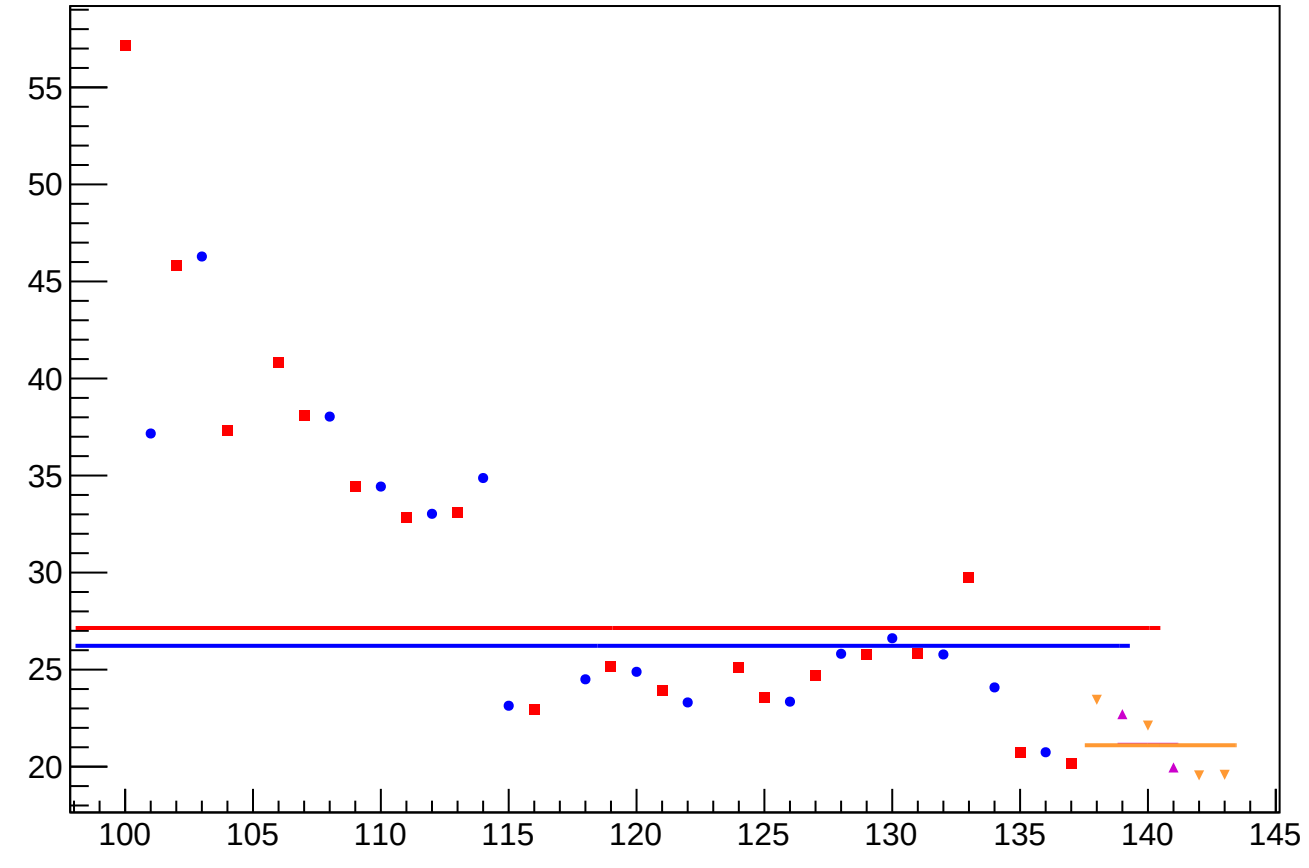
Left: -13.457+/-9.889 χ^2/NDF: 3.1/5

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.323+/-8.527 χ^2/NDF:23.1/17

Out: -12.264+/-7.939 χ^2/NDF:20.4/22

All: -9.506+/-5.811 χ^2/NDF: 43.7/40



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

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: 21.113+/-0.007 χ^2/NDF: 48474.9/5

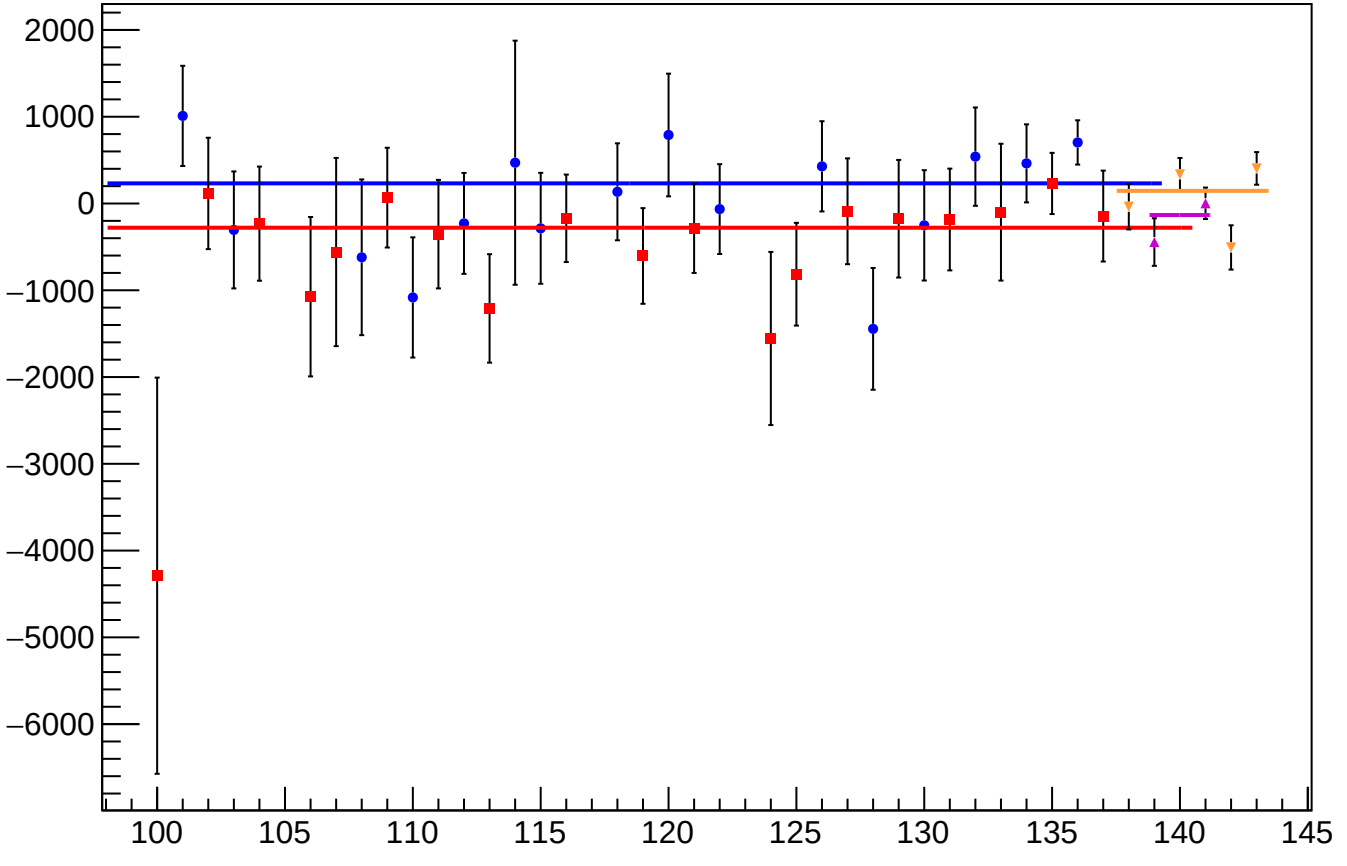
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 24.800+/-0.006 χ^2/NDF:834335.5/17

Out: 24.716+/-0.006 χ^2/NDF:1068167.7/22

All: 24.755+/-0.004 χ^2/NDF: 1902607.8/40

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.878+/-107.646 χ^2/NDF:9.9/3

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: 52.099+/-87.699 χ^2/NDF: 14.0/5

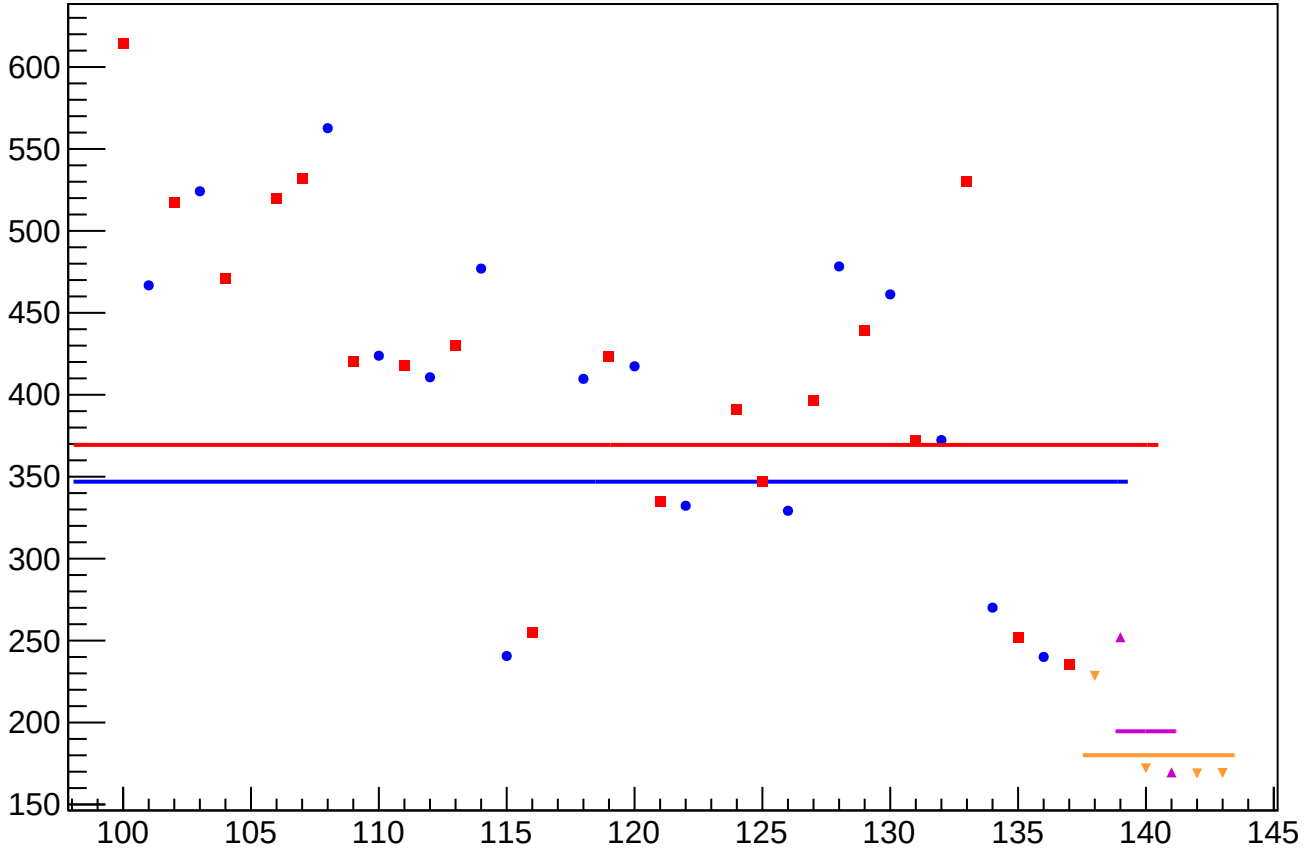
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 70.358+/-100.658 χ^2/NDF:24.7/17

Out: -12.050+/-85.329 χ^2/NDF:27.8/22

All: 22.408+/-65.089 χ^2/NDF: 52.9/40

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: 180.060+/-0.076 χ^2/NDF:82395.9/3

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 194.663+/-0.107 χ^2/NDF:125837.4/1

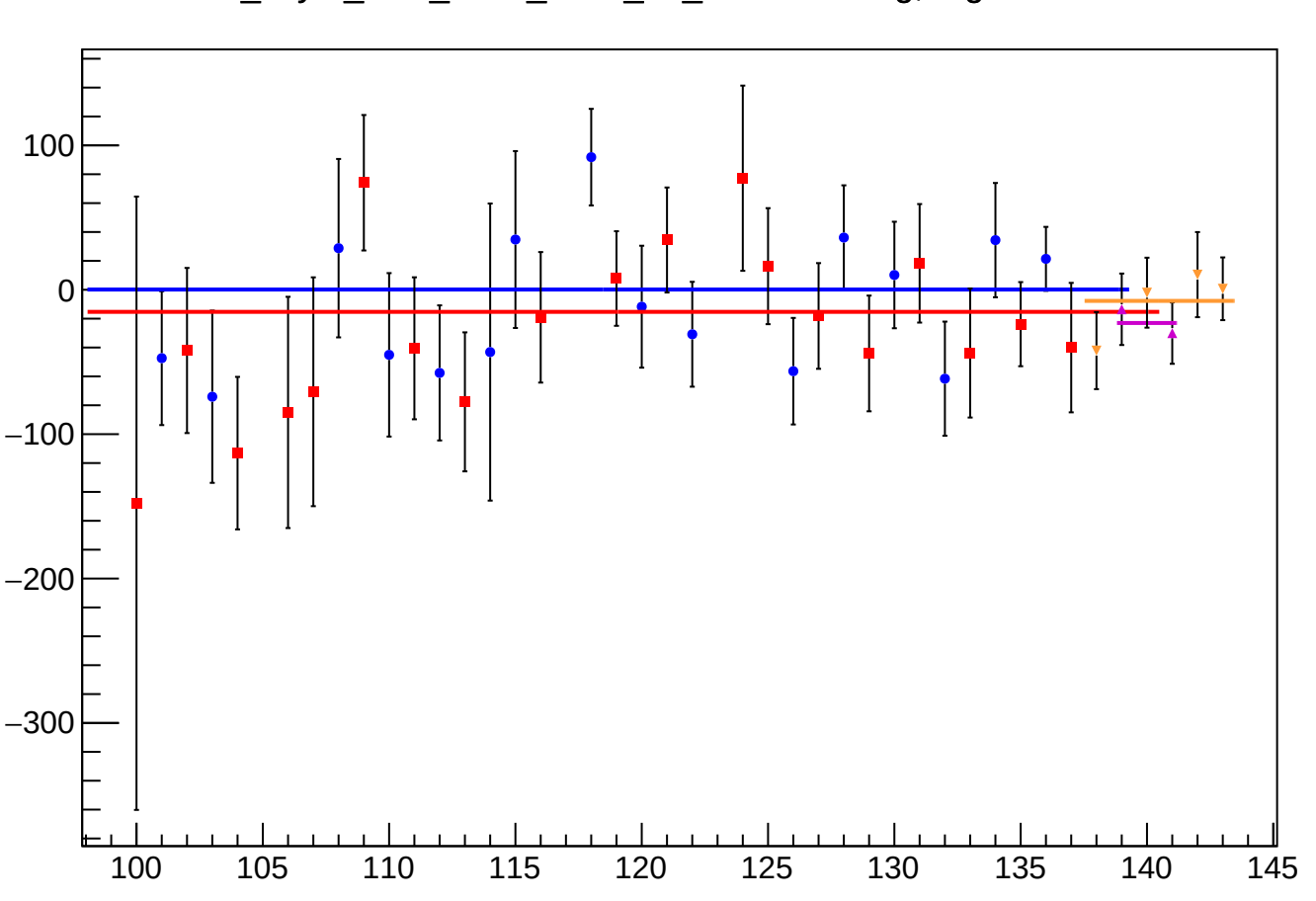
Left: 184.970+/-0.062 χ^2/NDF: 220609.8/5

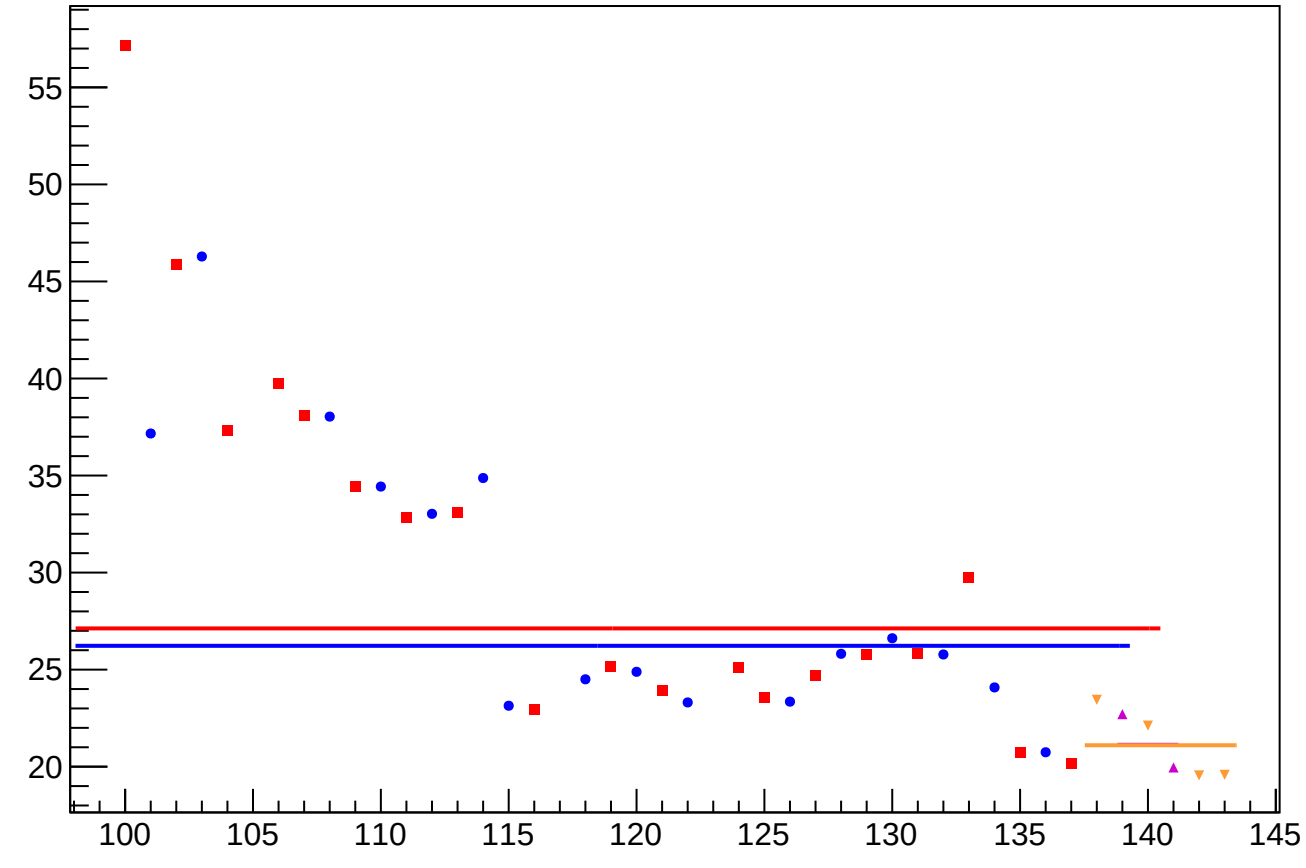
Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 279.498+/-0.071 χ^2/NDF:2313740.7/17

Out: 250.435+/-0.060 χ^2/NDF:3301178.6/22

All: 262.587+/-0.046 χ^2/NDF: 5711936.0/40


cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
105
110
115
120
125
130
135
140
145
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: -7.704+/-12.520 χ²/NDF:2.3/3
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -23.008+/-16.124 χ²/NDF:0.3/1
Left: -13.461+/-9.889 χ²/NDF: 3.1/5
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -6.322+/-8.527 χ²/NDF:23.1/17
Out: -12.240+/-7.940 χ²/NDF:20.4/22
All: -9.492+/-5.811 χ²/NDF: 43.7/40



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 21.127+/-0.011 χ^2/NDF:14177.7/1

Left: 21.113+/-0.007 χ^2/NDF: 48474.8/5

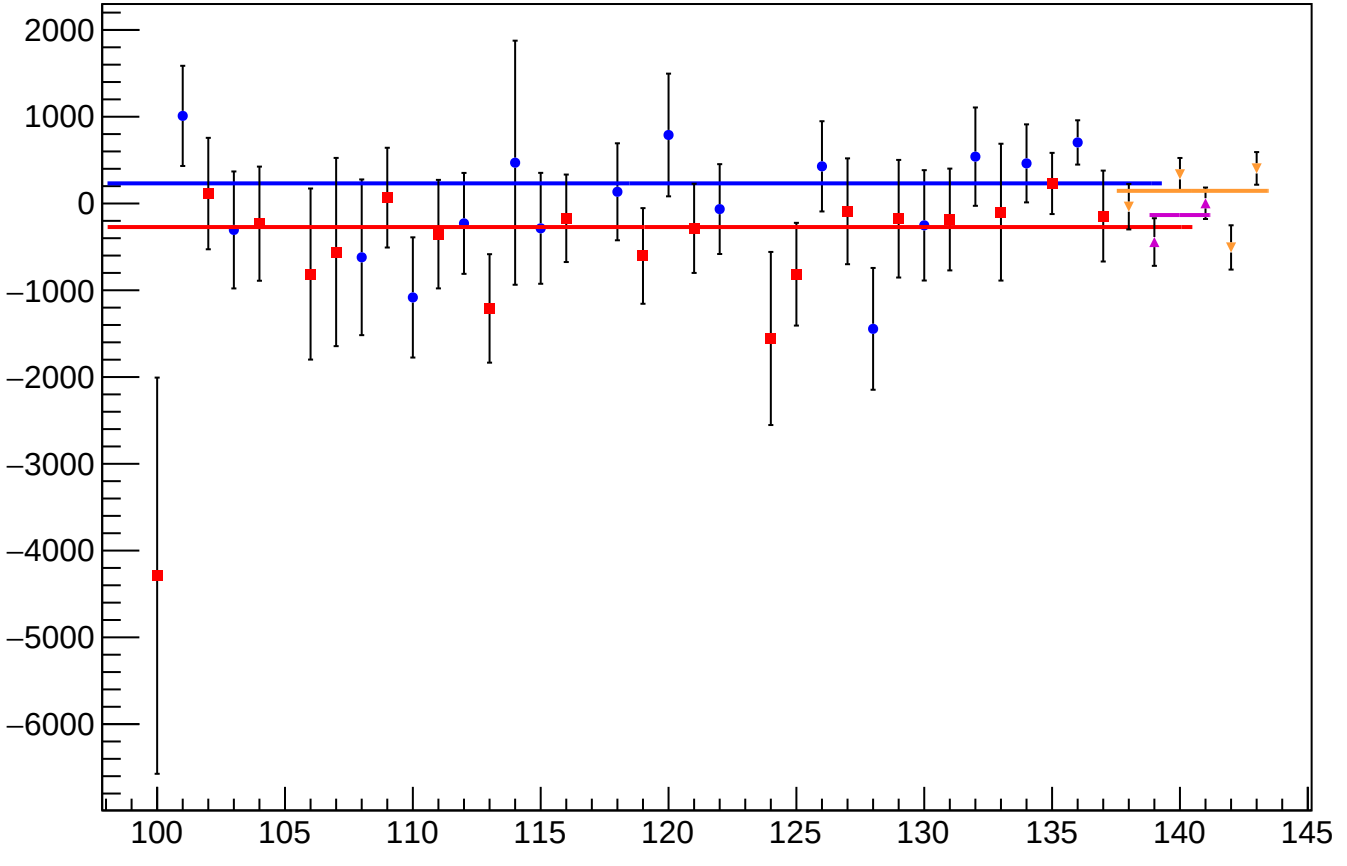
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 24.800+/-0.006 χ^2/NDF:834338.9/17

Out: 24.703+/-0.006 χ^2/NDF:1056370.2/22

All: 24.748+/-0.004 χ^2/NDF: 1890850.1/40

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: 145.874+/-107.646 χ^2/NDF:9.9/3

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -133.001+/-151.233 χ^2/NDF:1.8/1

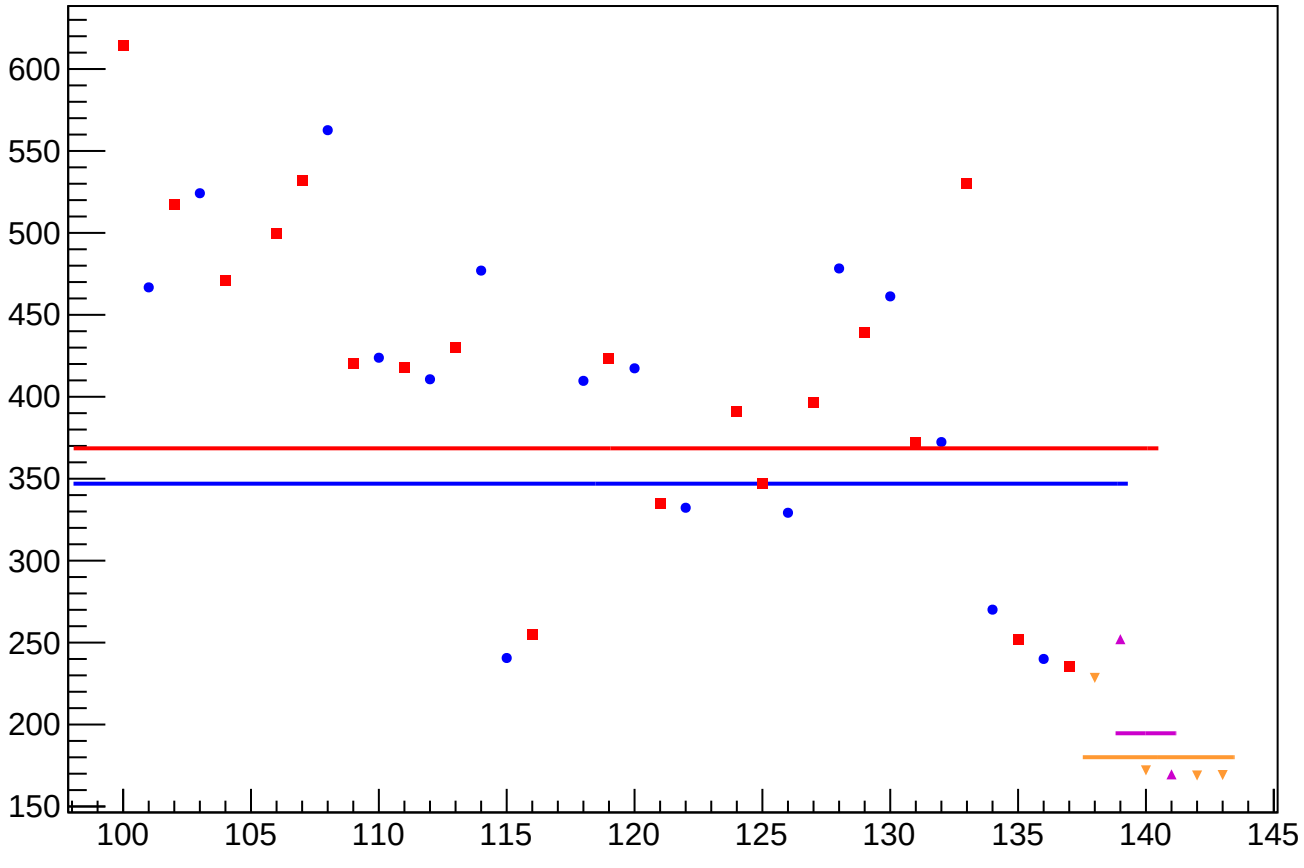
Left: 52.096+/-87.699 χ^2/NDF: 14.0/5

Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 70.353+/-100.658 χ^2/NDF:24.7/17

Out: -8.913+/-85.378 χ^2/NDF:27.1/22

All: 24.253+/-65.111 χ^2/NDF: 52.2/40



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.060+/-0.076 χ^2/NDF:82396.0/3

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 194.663+/-0.107 χ^2/NDF:125836.6/1

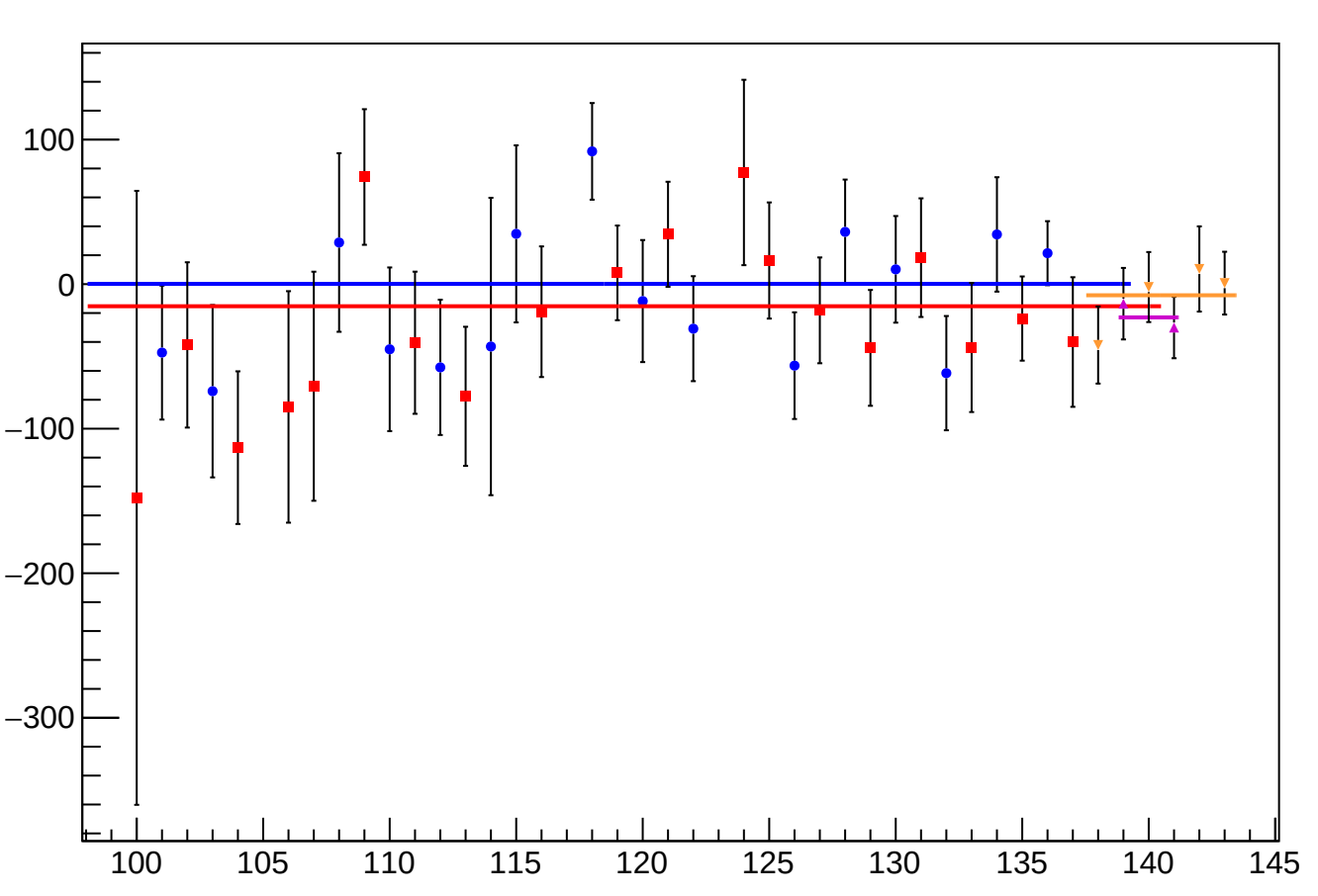
Left: 184.970+/-0.062 χ^2/NDF: 220609.5/5

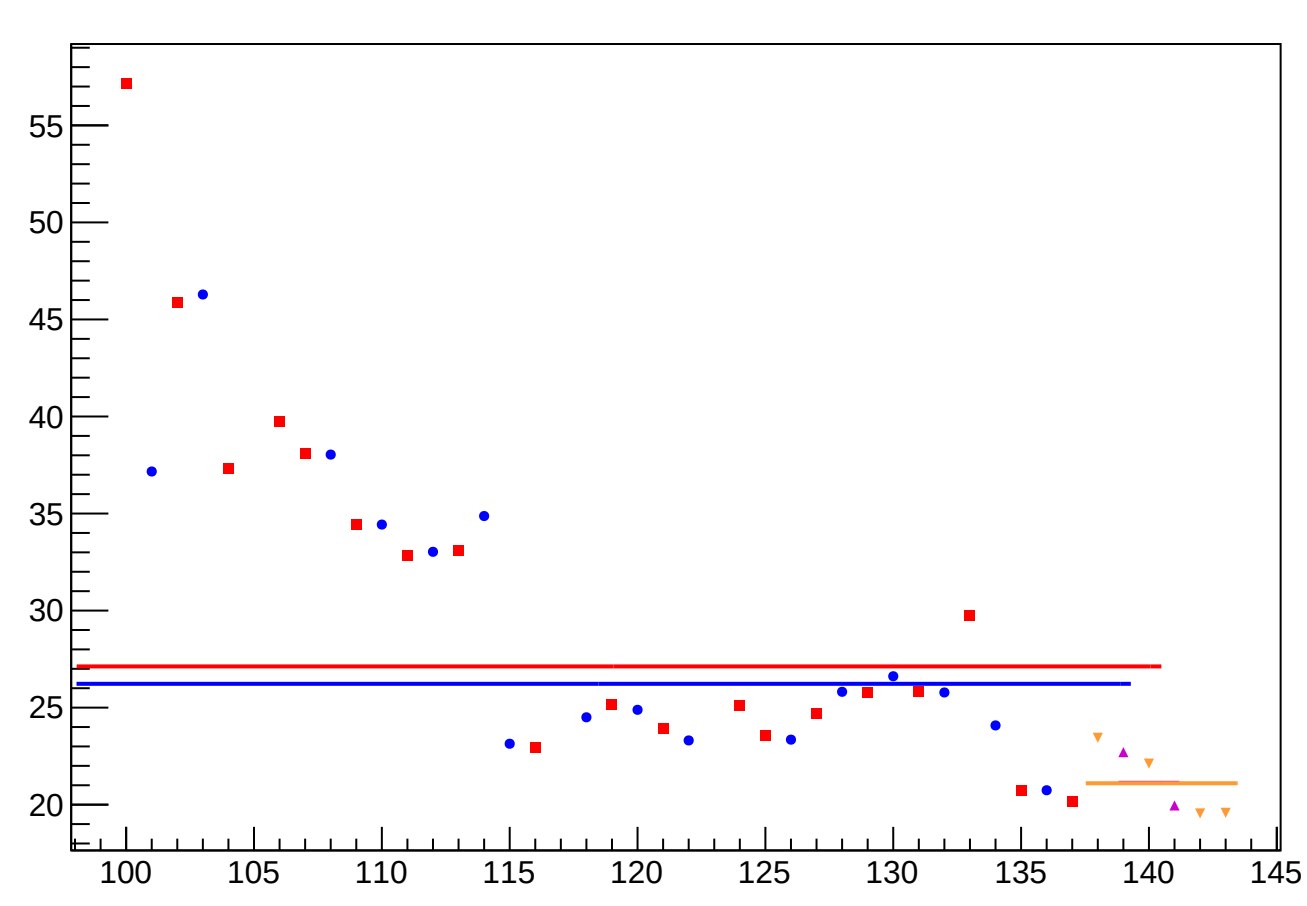
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 279.498+/-0.071 χ^2/NDF:2313766.8/17

Out: 249.976+/-0.060 χ^2/NDF:3257090.7/22

All: 262.328+/-0.046 χ^2/NDF: 5670914.9/40


eigen_cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
105
110
115
120
125
130
135
140
145
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: -7.704+/-12.520 χ²/NDF:2.3/3
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -23.008+/-16.124 χ²/NDF:0.3/1
Left: -13.461+/-9.889 χ²/NDF: 3.1/5
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -6.322+/-8.527 χ²/NDF:23.1/17
Out: -12.240+/-7.940 χ²/NDF:20.4/22
All: -9.492+/-5.811 χ²/NDF: 43.7/40



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 21.104+/-0.009 χ^2/NDF:34294.6/3

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 21.127+/-0.011 χ^2/NDF:14177.7/1

Left: 21.113+/-0.007 χ^2/NDF: 48474.8/5

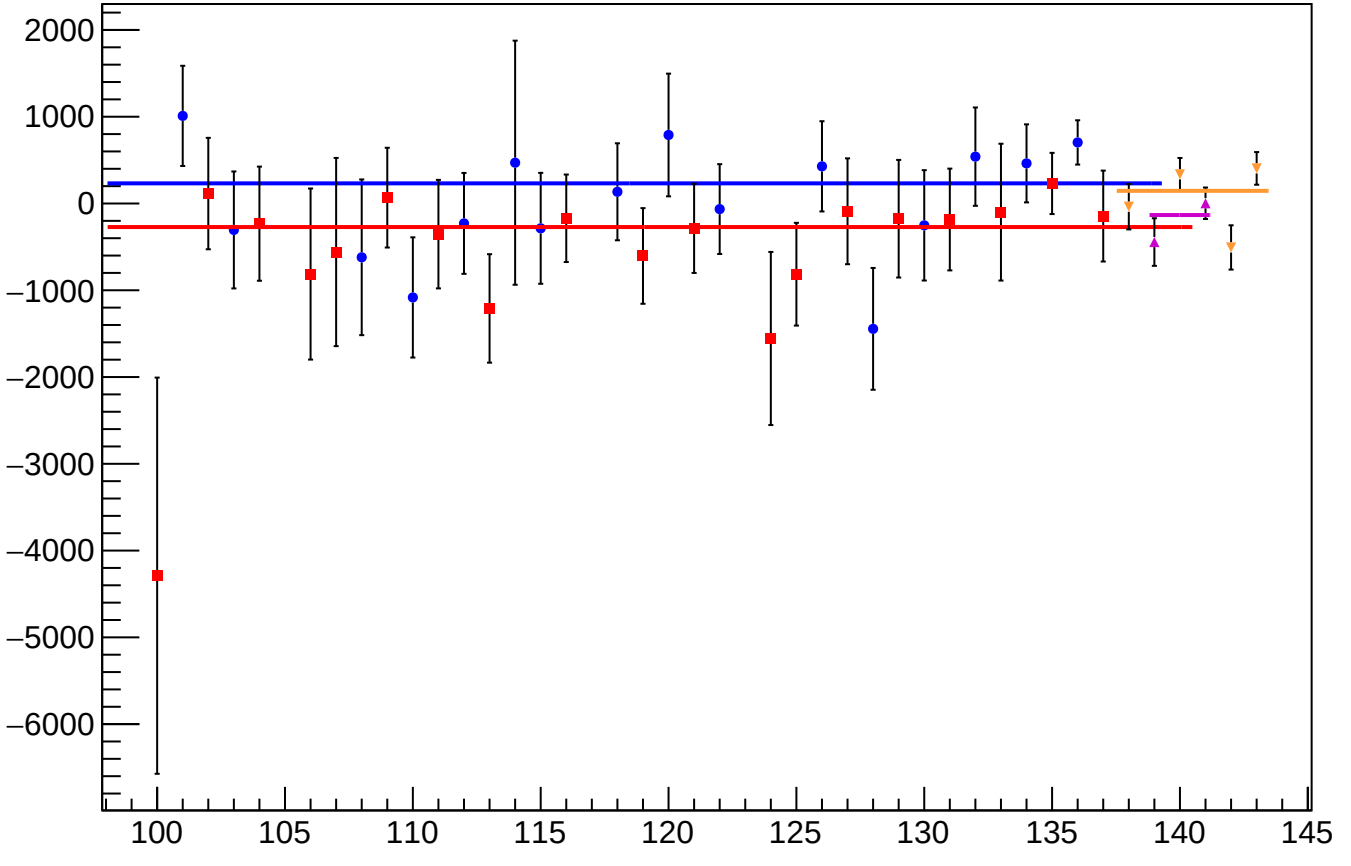
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 24.800+/-0.006 χ^2/NDF:834338.9/17

Out: 24.703+/-0.006 χ^2/NDF:1056370.2/22

All: 24.748+/-0.004 χ^2/NDF: 1890850.1/40

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 145.874+/-107.646 χ^2/NDF:9.9/3

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: 52.096+/-87.699 χ^2/NDF: 14.0/5

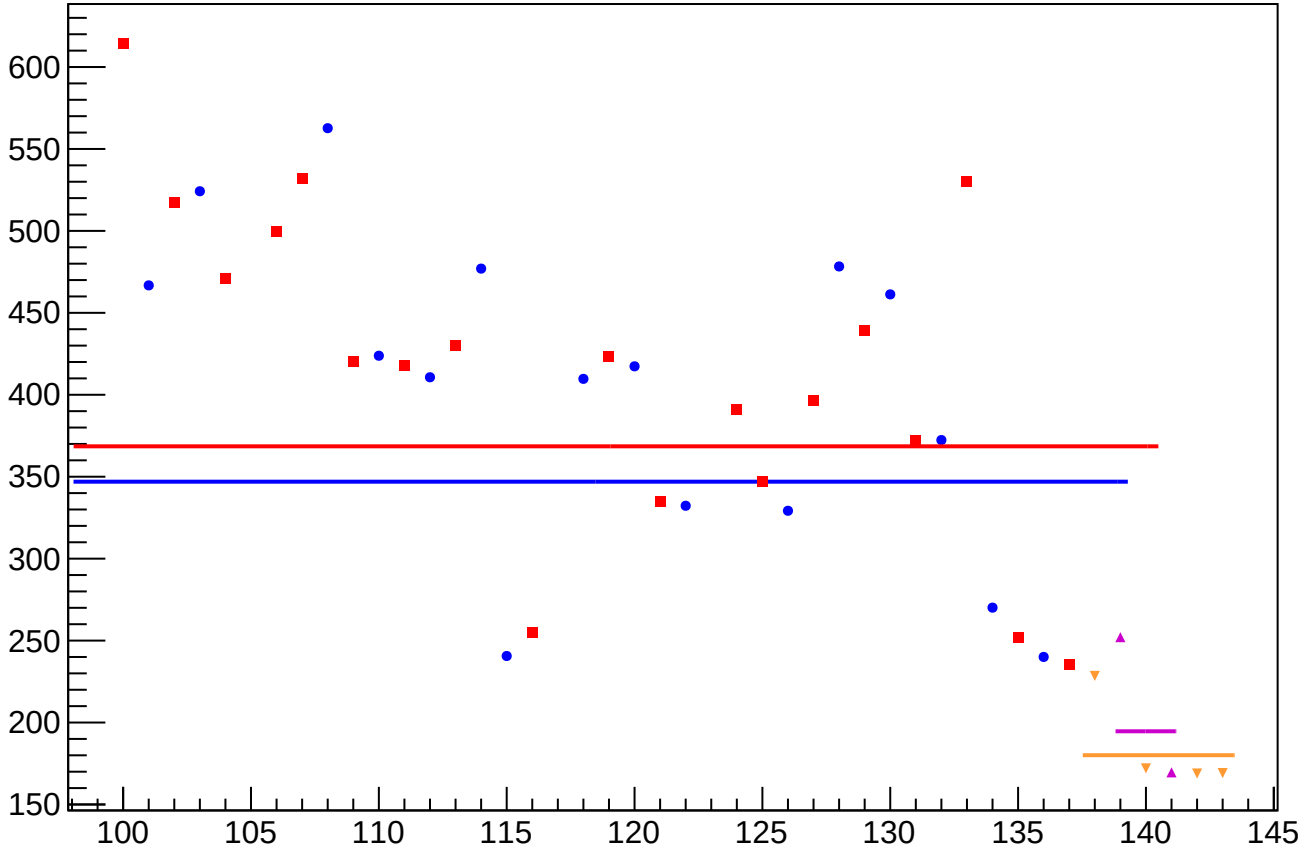
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 70.353+/-100.658 χ^2/NDF:24.7/17

Out: -8.913+/-85.378 χ^2/NDF:27.1/22

All: 24.253+/-65.111 χ^2/NDF: 52.2/40

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: 180.060+/-0.076 χ^2/NDF:82396.0/3

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 194.663+/-0.107 χ^2/NDF:125836.6/1

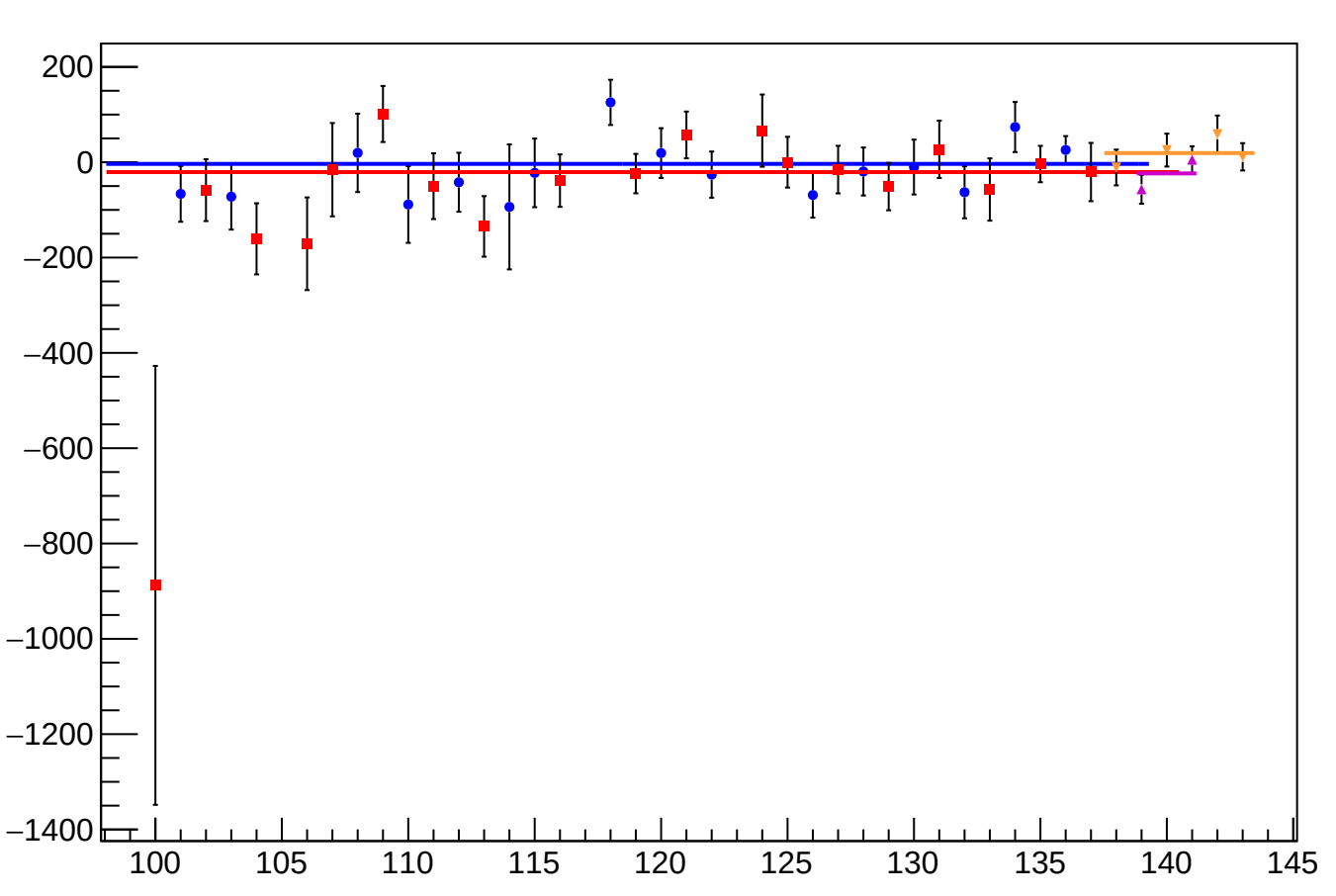
Left: 184.970+/-0.062 χ^2/NDF: 220609.5/5

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 279.498+/-0.071 χ^2/NDF:2313766.8/17

Out: 249.976+/-0.060 χ^2/NDF:3257090.7/22

All: 262.328+/-0.046 χ^2/NDF: 5670914.9/40



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 19.249+/-17.102 χ^2/NDF:1.8/3

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -23.401+/-20.636 χ^2/NDF:2.3/1

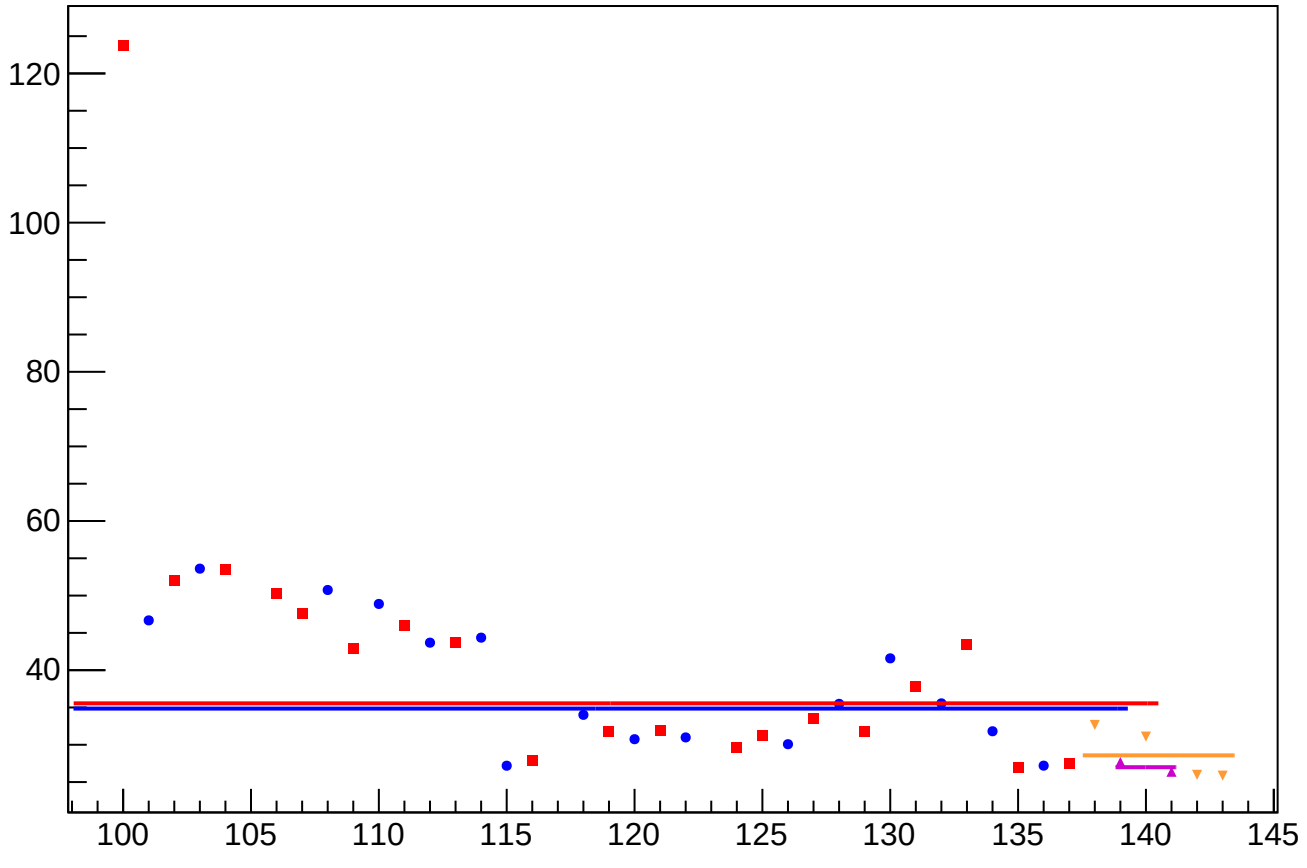
Left: 1.884+/-13.168 χ^2/NDF: 6.6/5

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.344+/-11.234 χ^2/NDF:21.4/17

Out: -5.318+/-10.584 χ^2/NDF:28.3/22

All: -7.211+/-7.704 χ^2/NDF: 49.7/40



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 28.581+/-0.012 χ^2/NDF:61096.7/3

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.992+/-0.015 χ^2/NDF:2002.2/1

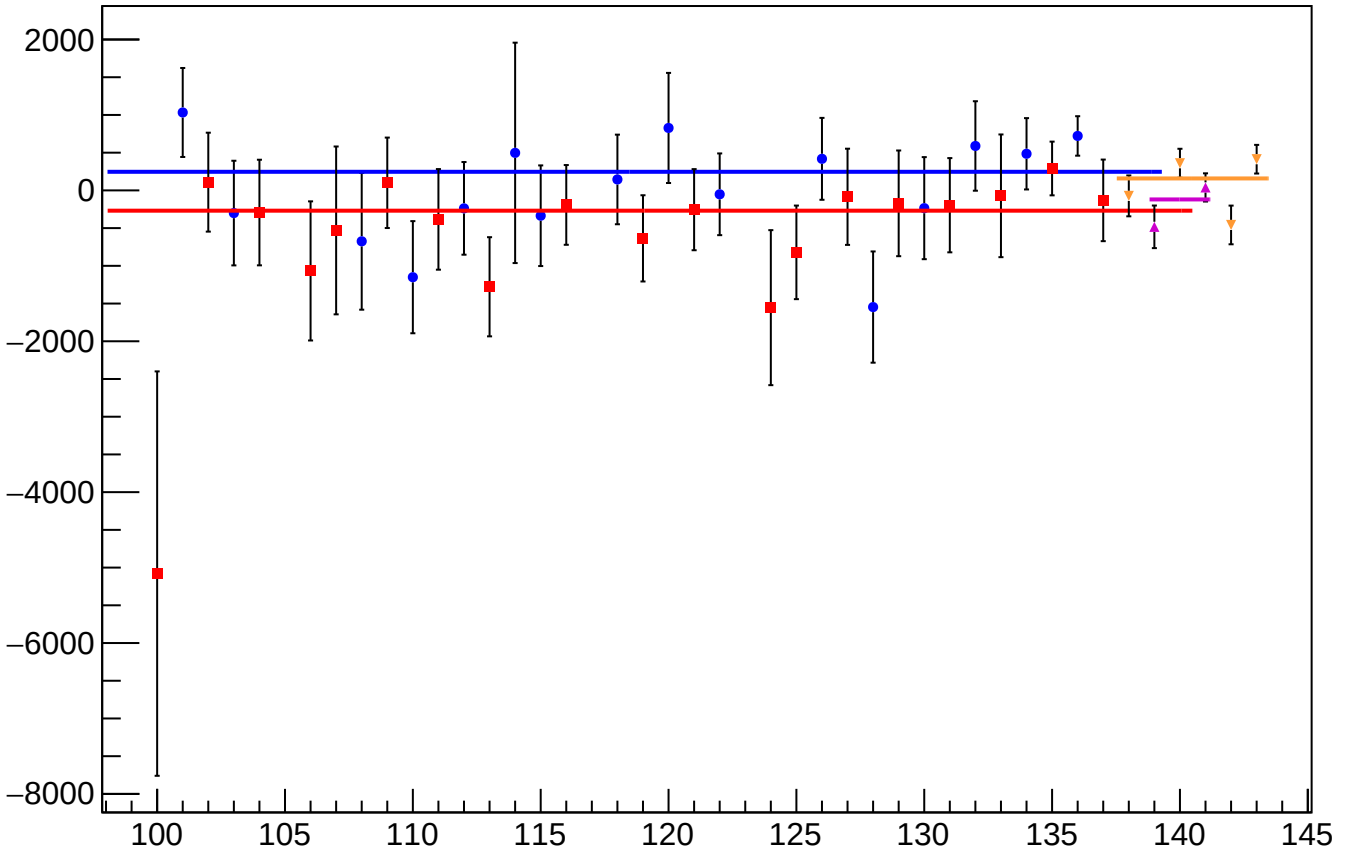
Left: 27.934+/-0.009 χ^2/NDF: 70122.3/5

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 32.522+/-0.008 χ^2/NDF:864205.8/17

Out: 32.882+/-0.007 χ^2/NDF:1046073.3/22

All: 32.713+/-0.005 χ^2/NDF: 1911371.7/40



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 158.414+/-109.315 χ^2/NDF:9.4/3

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: 66.632+/-89.493 χ^2/NDF: 13.9/5

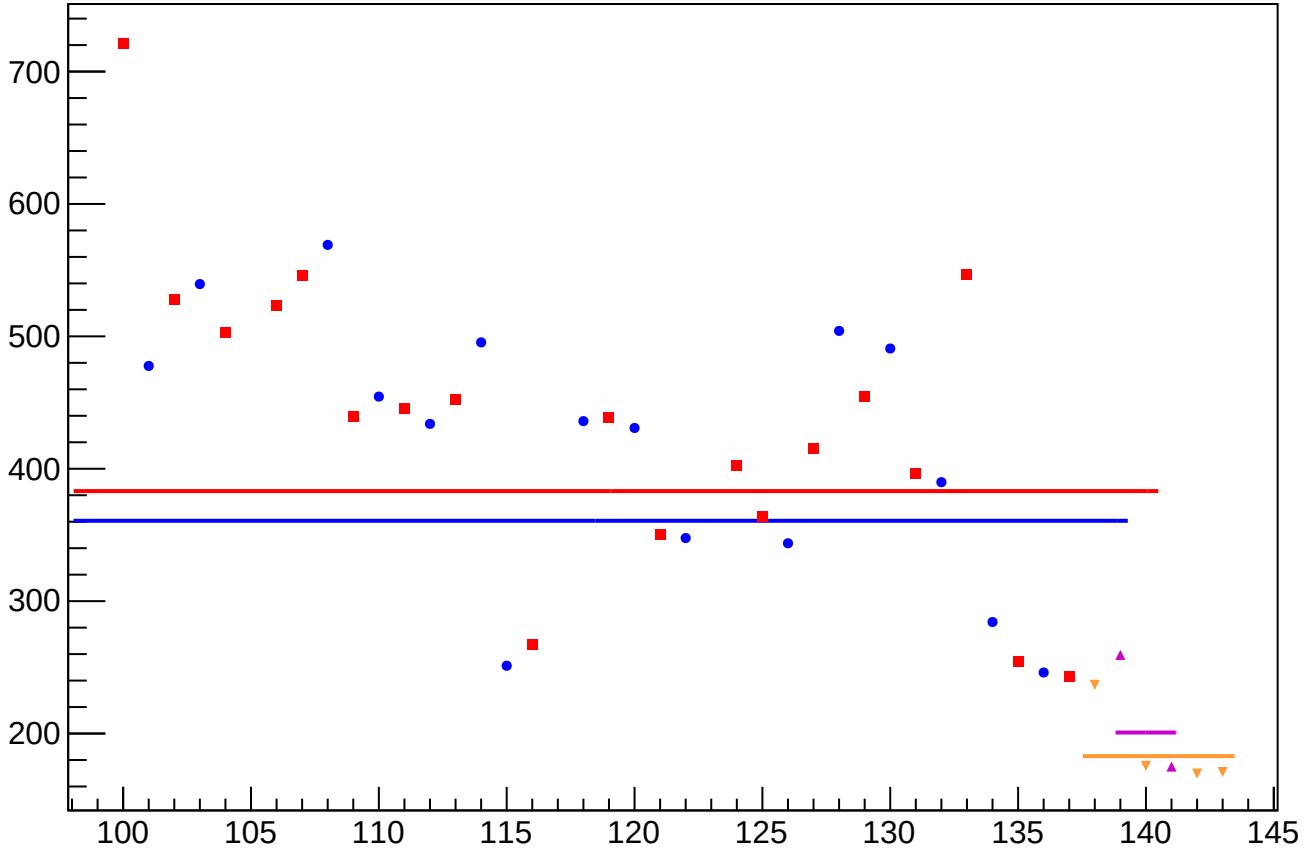
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 82.510+/-104.260 χ^2/NDF:25.2/17

Out: 3.956+/-87.353 χ^2/NDF:27.6/22

All: 36.356+/-66.958 χ^2/NDF: 53.1/40

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 182.925+/-0.077 χ^2/NDF:95299.6/3

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 200.763+/-0.110 χ^2/NDF:124120.6/1

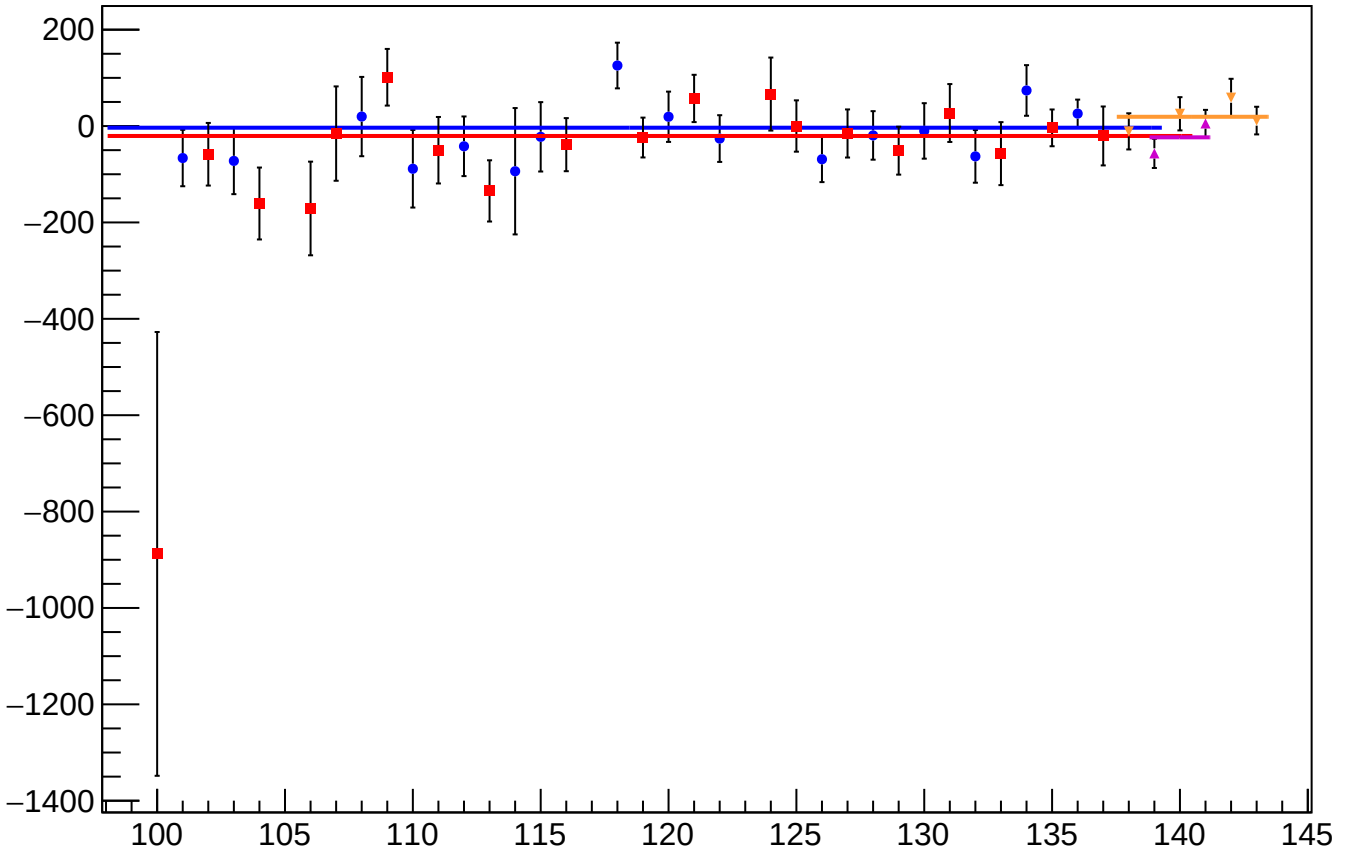
Left: 188.808+/-0.063 χ^2/NDF: 236982.1/5

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 289.112+/-0.074 χ^2/NDF:2380447.7/17

Out: 255.290+/-0.062 χ^2/NDF:3483232.1/22

All: 269.240+/-0.047 χ^2/NDF: 5987345.4/40



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 19.249+/-17.102 χ^2/NDF:1.8/3

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -23.399+/-20.636 χ^2/NDF:2.3/1

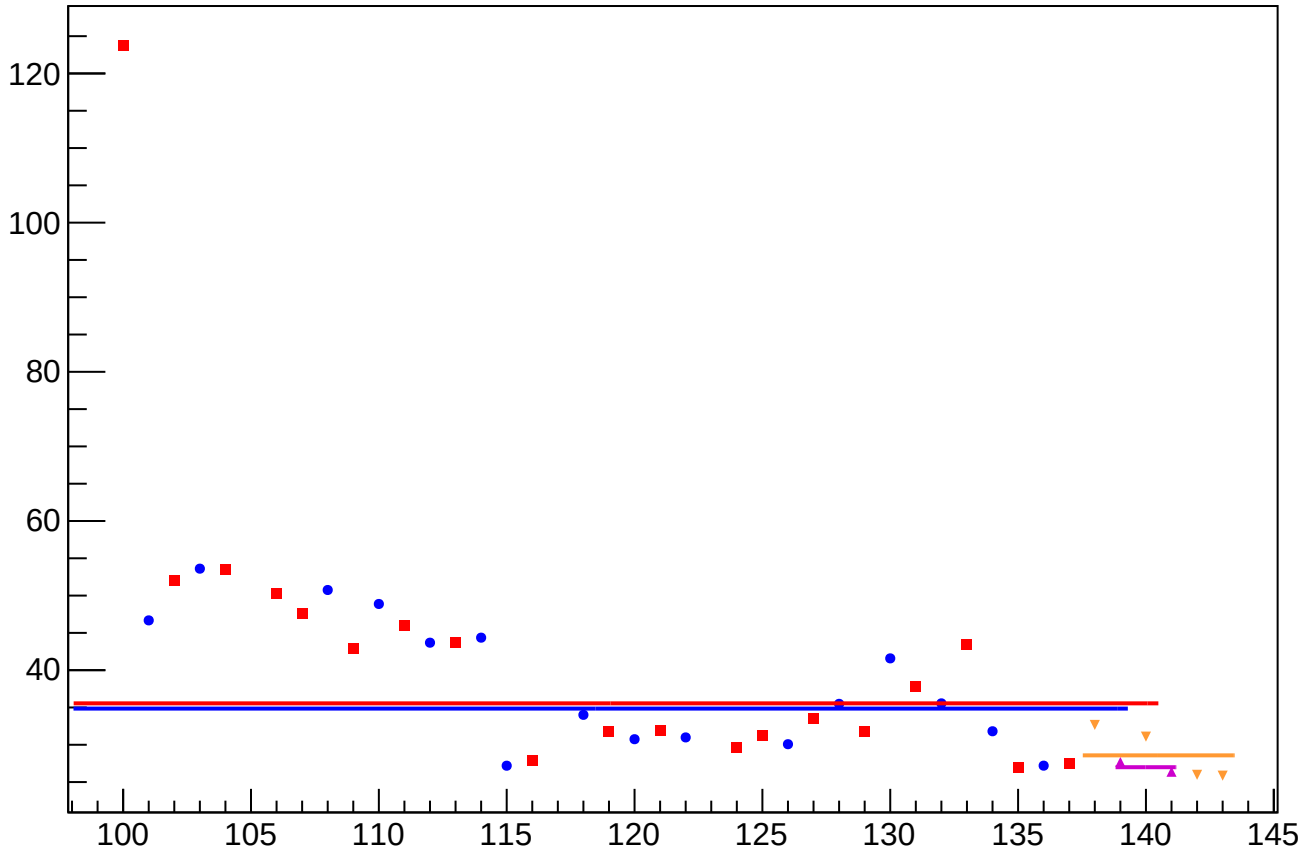
Left: 1.884+/-13.168 χ^2/NDF: 6.6/5

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.344+/-11.234 χ^2/NDF:21.4/17

Out: -5.318+/-10.584 χ^2/NDF:28.3/22

All: -7.211+/-7.704 χ^2/NDF: 49.7/40



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 28.580+/-0.012 χ^2/NDF:61089.6/3

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.992+/-0.015 χ^2/NDF:2000.4/1

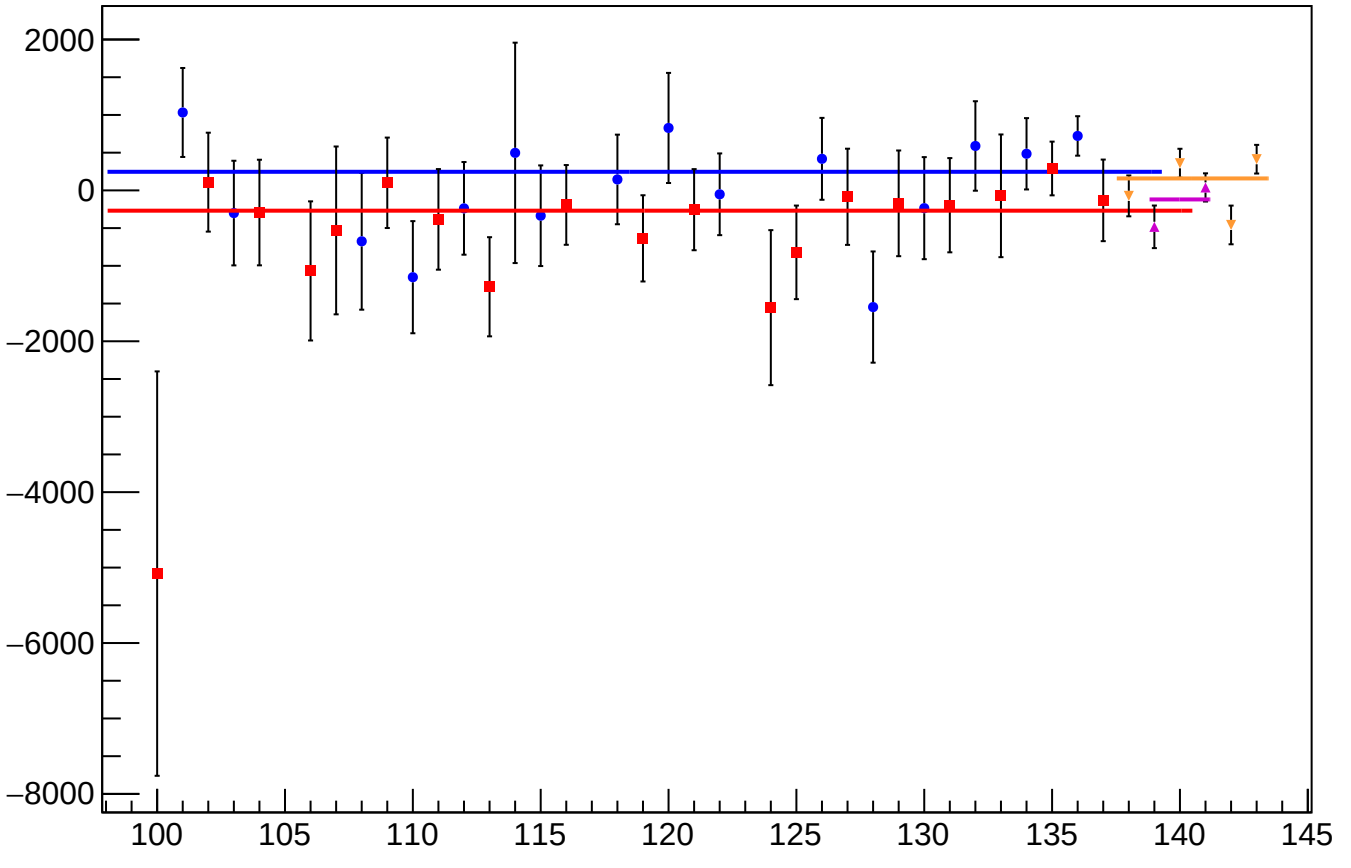
Left: 27.934+/-0.009 χ^2/NDF: 70115.0/5

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 32.521+/-0.008 χ^2/NDF:864143.6/17

Out: 32.882+/-0.007 χ^2/NDF:1046019.8/22

All: 32.712+/-0.005 χ^2/NDF: 1911257.0/40



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 158.414+/-109.314 χ^2/NDF:9.4/3

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: 66.632+/-89.493 χ^2/NDF: 13.9/5

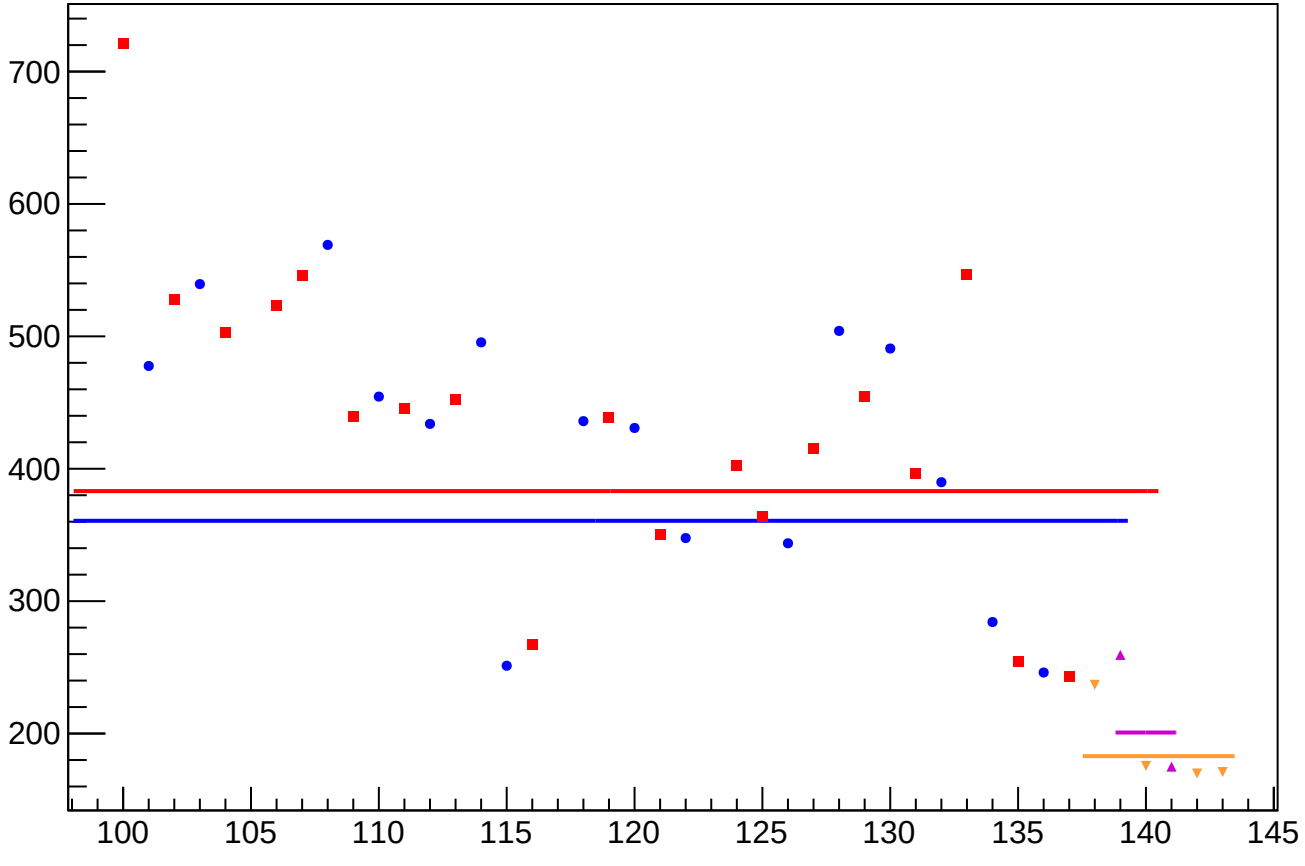
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 82.508+/-104.259 χ^2/NDF:25.2/17

Out: 3.956+/-87.352 χ^2/NDF:27.6/22

All: 36.355+/-66.957 χ^2/NDF: 53.1/40

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: 182.925+/-0.077 χ^2/NDF:95293.0/3

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 200.762+/-0.110 χ^2/NDF:124118.1/1

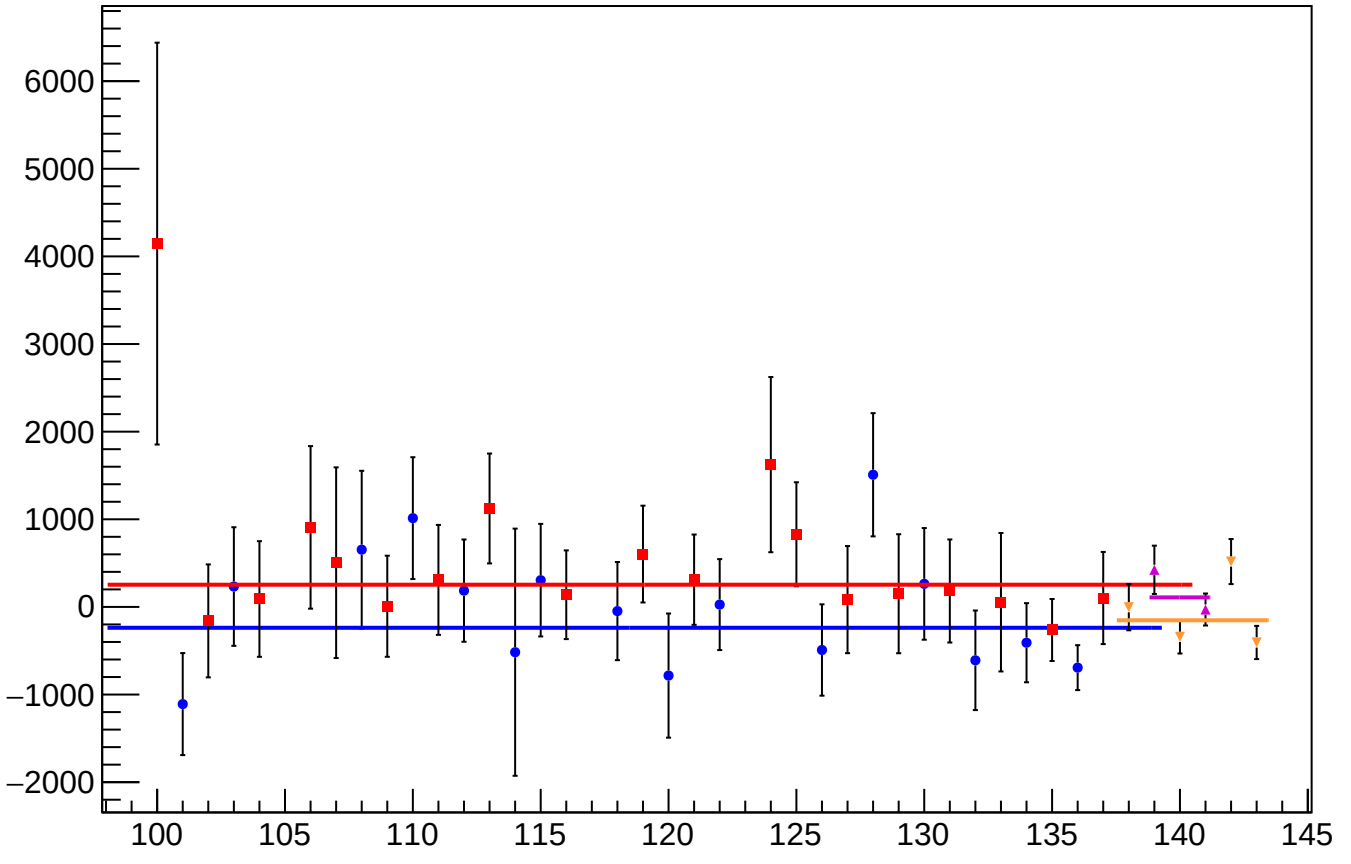
Left: 188.807+/-0.063 χ^2/NDF: 236971.8/5

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 289.111+/-0.074 χ^2/NDF:2380446.6/17

Out: 255.289+/-0.062 χ^2/NDF:3483216.2/22

All: 269.239+/-0.047 χ^2/NDF: 5987324.3/40



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -152.539+/-108.412 χ^2/NDF:9.9/3

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 108.610+/-152.165 χ^2/NDF:1.9/1

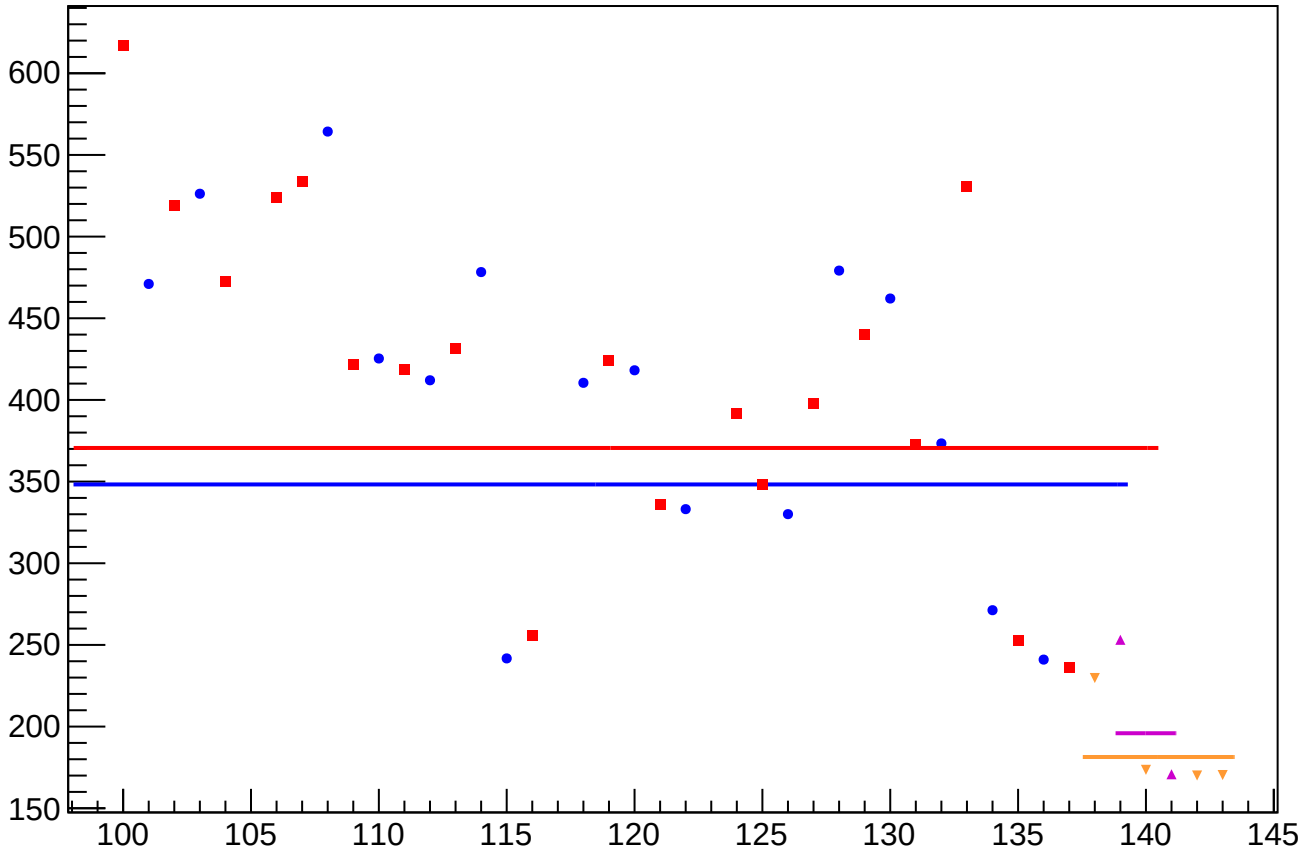
Left: -64.612+/-88.295 χ^2/NDF: 13.7/5

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -84.923+/-101.131 χ^2/NDF:24.7/17

Out: -0.912+/-85.811 χ^2/NDF:26.8/22

All: -36.079+/-65.431 χ^2/NDF: 51.9/40



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 181.372+/-0.077 χ^2/NDF:81512.5/3

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 195.924+/-0.108 χ^2/NDF:124124.4/1

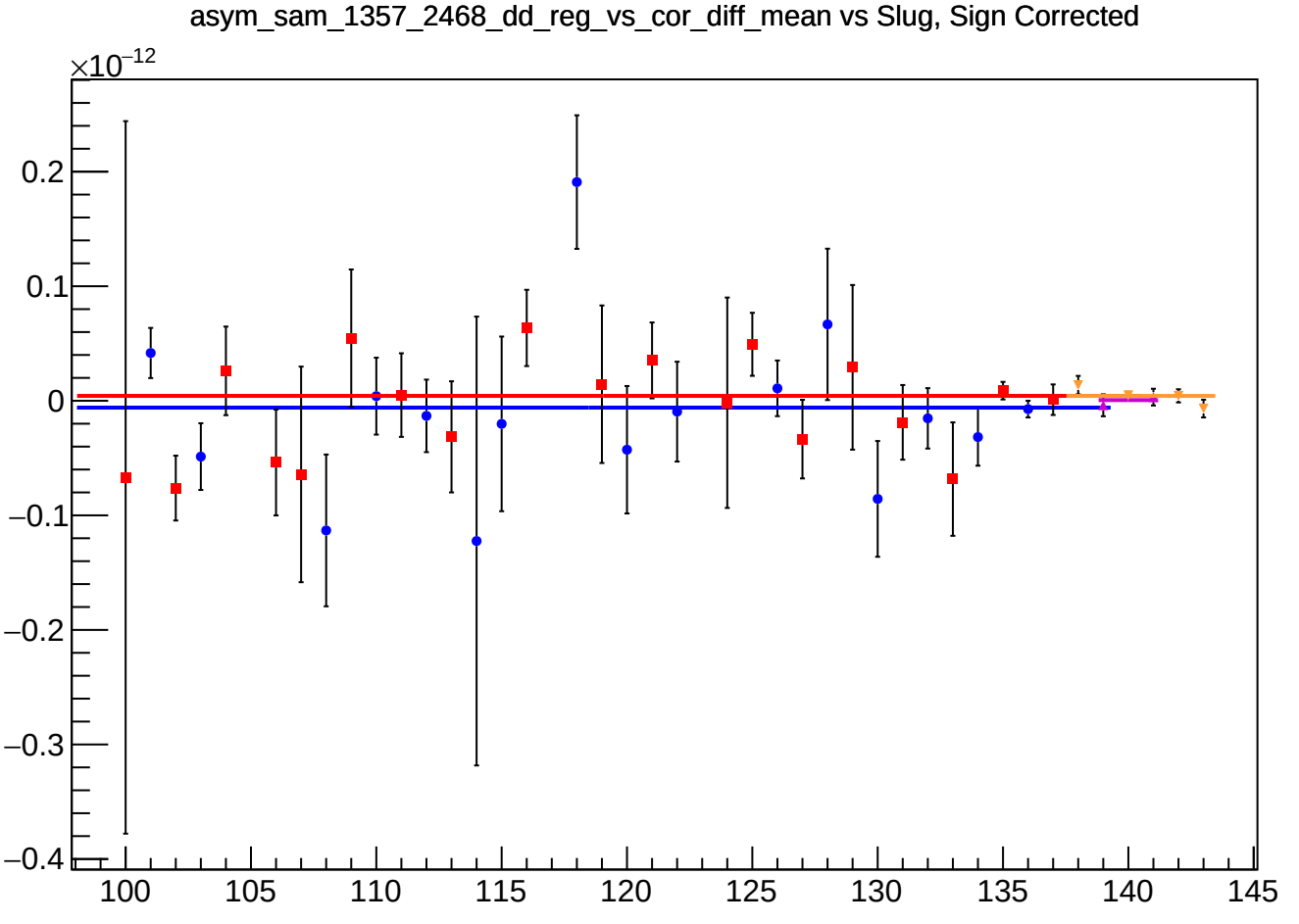
Left: 186.272+/-0.062 χ^2/NDF: 217769.9/5

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 280.968+/-0.072 χ^2/NDF:2299918.1/17

Out: 252.039+/-0.061 χ^2/NDF:3274775.8/22

All: 264.149+/-0.046 χ^2/NDF: 5669837.1/40



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

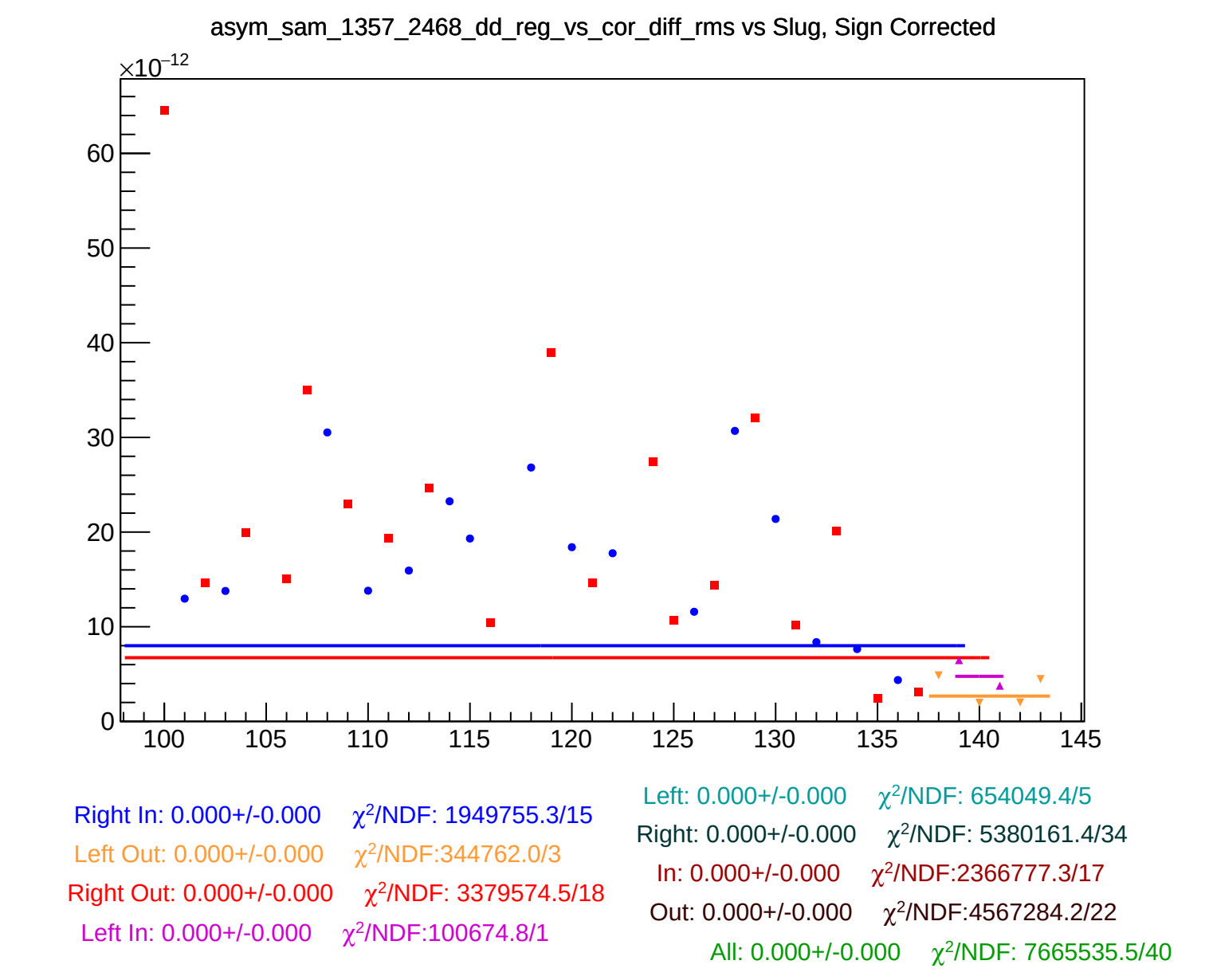
Left: 0.000+/-0.000 χ^2/NDF: 4.1/5

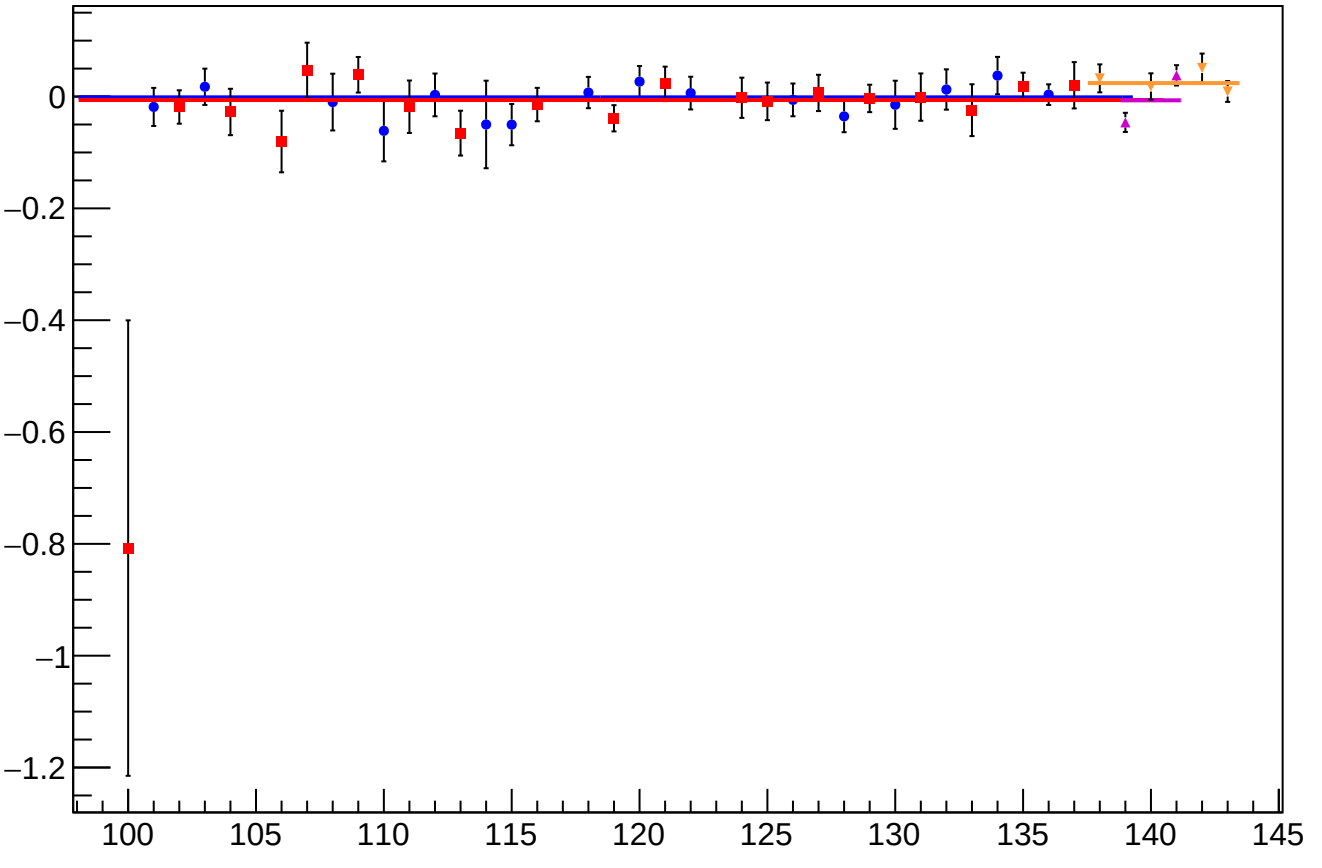
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:28.3/17

Out: 0.000+/-0.000 χ^2/NDF:26.4/22

All: 0.000+/-0.000 χ^2/NDF: 56.9/40


asym_sam_1357_2468_dd_reg_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
145
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:344762.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:100674.8/1
Left: 0.000+/-0.000 χ²/NDF: 654049.4/5
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:2366777.3/17
Out: 0.000+/-0.000 χ²/NDF:4567284.2/22
All: 0.000+/-0.000 χ²/NDF: 7665535.5/40



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.024+/-0.011 χ^2/NDF:1.9/3

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: 0.010+/-0.008 χ^2/NDF: 16.6/5

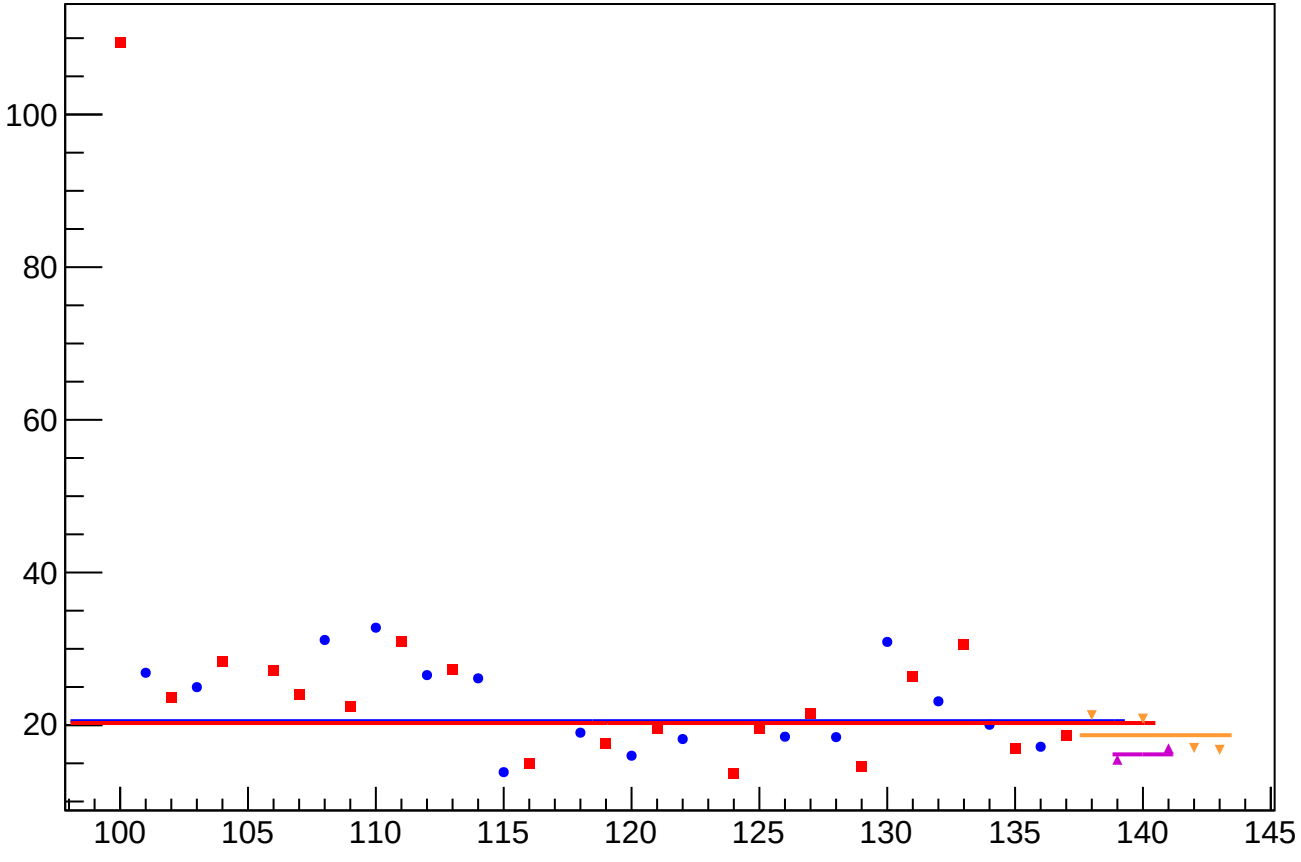
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.005 χ^2/NDF: 43.2/40

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: 18.688+/-0.008 χ^2/NDF:68418.0/3

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: 17.552+/-0.006 χ^2/NDF: 120080.6/5

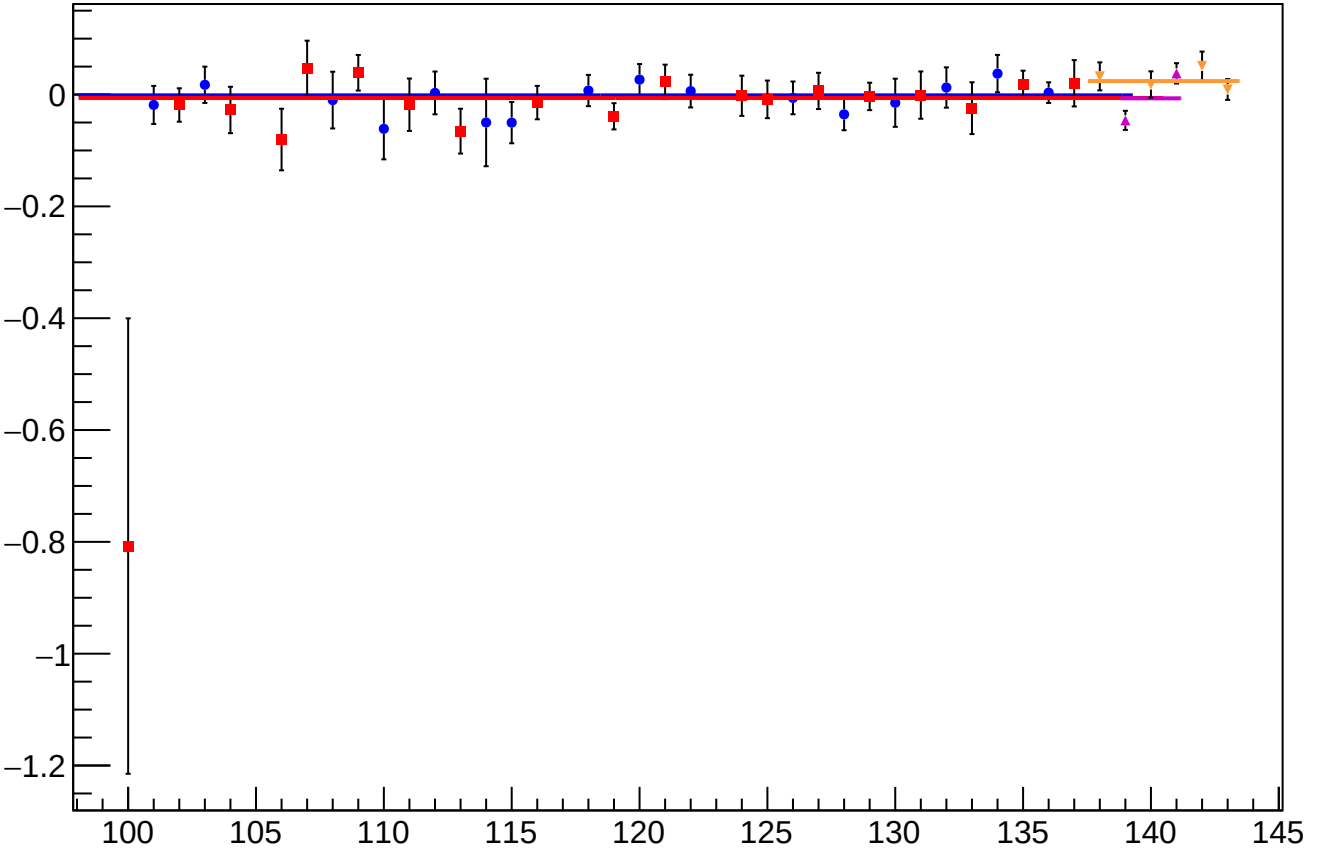
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 19.240+/-0.005 χ^2/NDF:884631.9/17

Out: 19.761+/-0.005 χ^2/NDF:959452.8/22

All: 19.512+/-0.003 χ^2/NDF: 1850284.0/40

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: 0.024+/-0.011 χ^2/NDF:1.9/3

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: 0.010+/-0.008 χ^2/NDF: 16.6/5

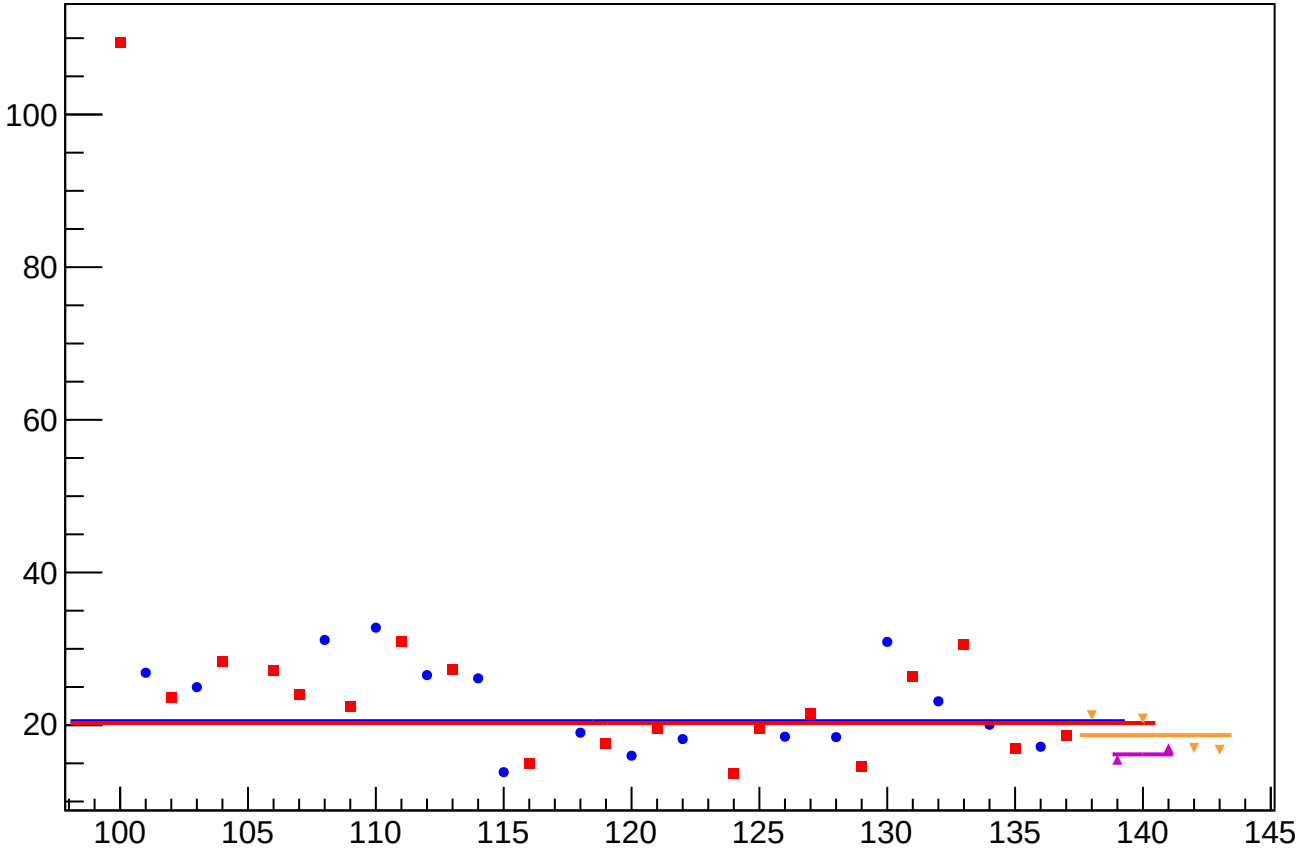
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.005 χ^2/NDF: 43.2/40

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: 18.688+/-0.008 χ^2/NDF:68418.0/3

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.174+/-0.009 χ^2/NDF:7084.9/1

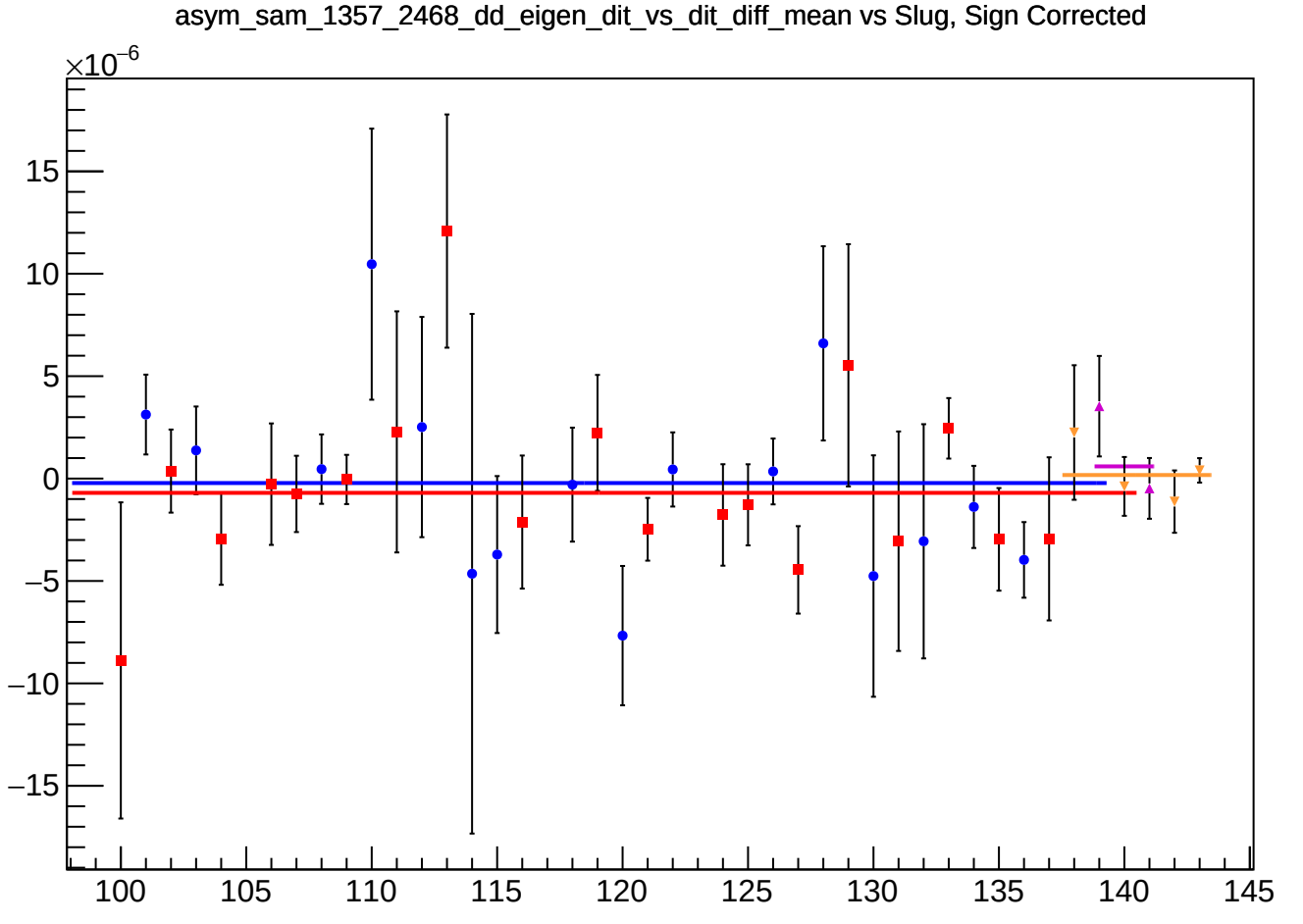
Left: 17.552+/-0.006 χ^2/NDF: 120080.6/5

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 19.240+/-0.005 χ^2/NDF:884631.9/17

Out: 19.761+/-0.005 χ^2/NDF:959452.8/22

All: 19.512+/-0.003 χ^2/NDF: 1850284.0/40



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

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: 3.5/5

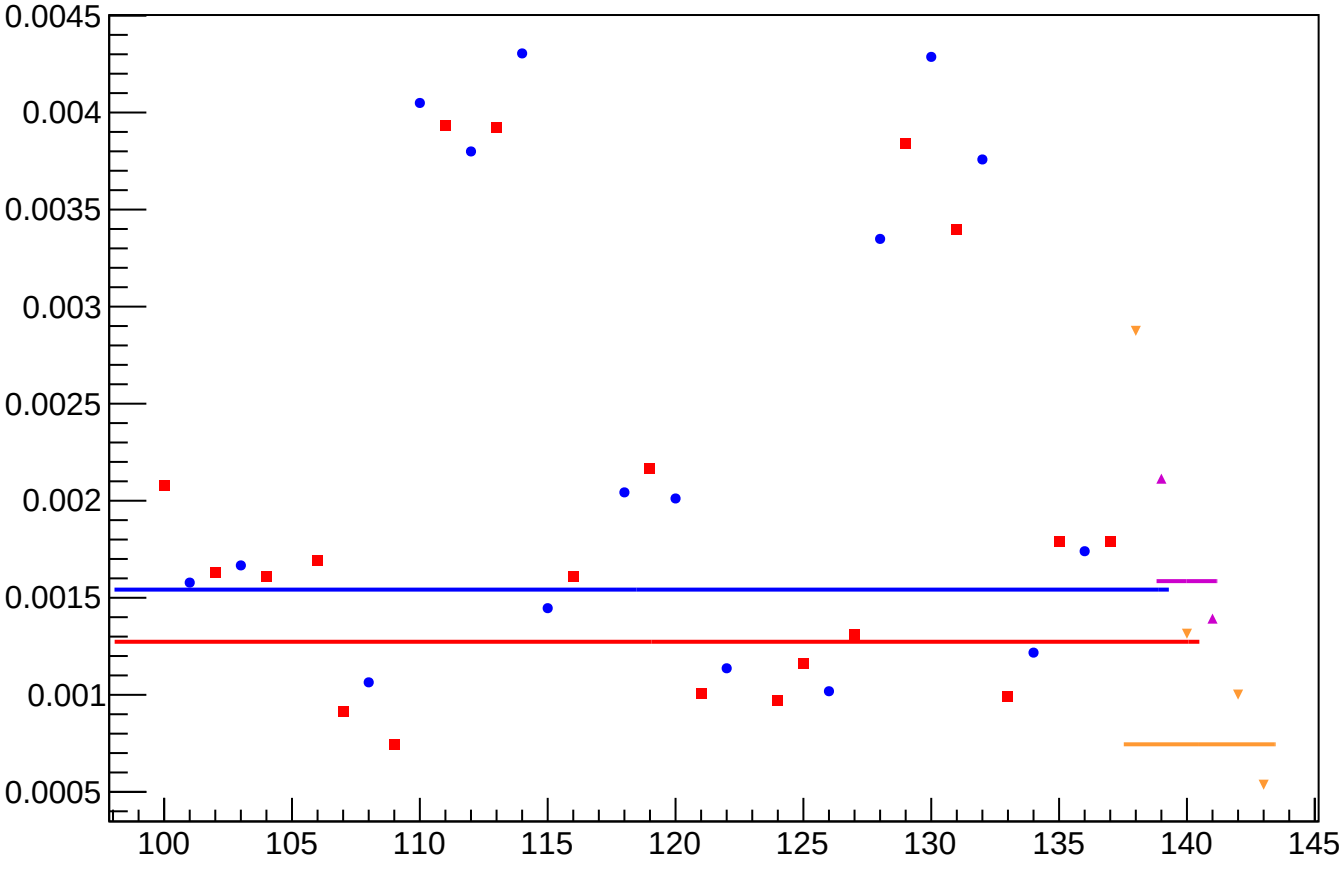
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:22.2/17

Out: -0.000+/-0.000 χ^2/NDF:23.8/22

All: -0.000+/-0.000 χ^2/NDF: 46.1/40

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: 0.001+/-0.000 χ^2/NDF:1455317.9/3

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: 0.001+/-0.000 χ^2/NDF: 2336143.0/5

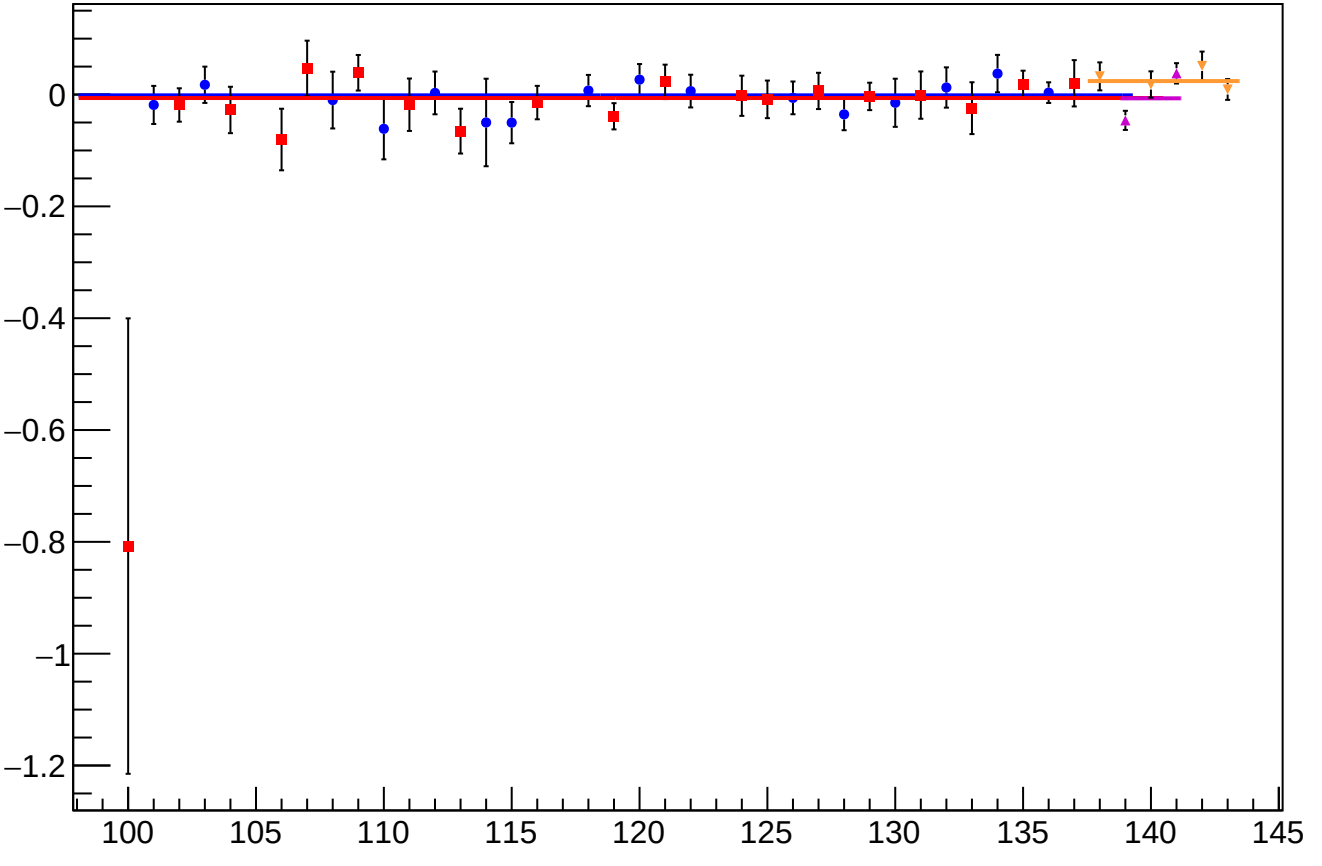
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.002+/-0.000 χ^2/NDF:2545170.3/17

Out: 0.001+/-0.000 χ^2/NDF:5162516.5/22

All: 0.001+/-0.000 χ^2/NDF: 9031581.1/40

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: 0.024+/-0.011 χ^2/NDF:1.9/3

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: 0.010+/-0.008 χ^2/NDF: 16.6/5

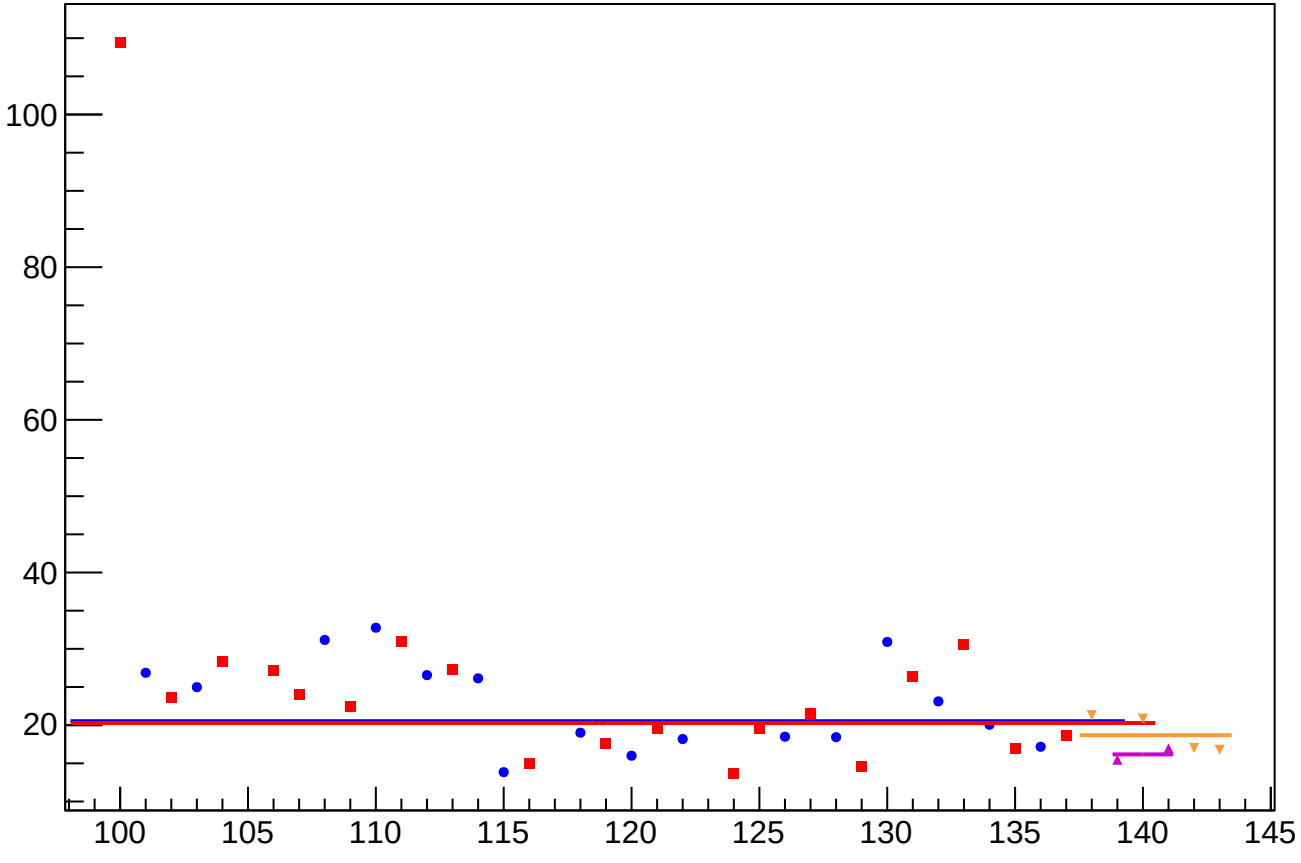
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.005 χ^2/NDF: 43.2/40

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: 18.688+/-0.008 χ^2/NDF:68400.7/3

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: 17.551+/-0.006 χ^2/NDF: 120091.8/5

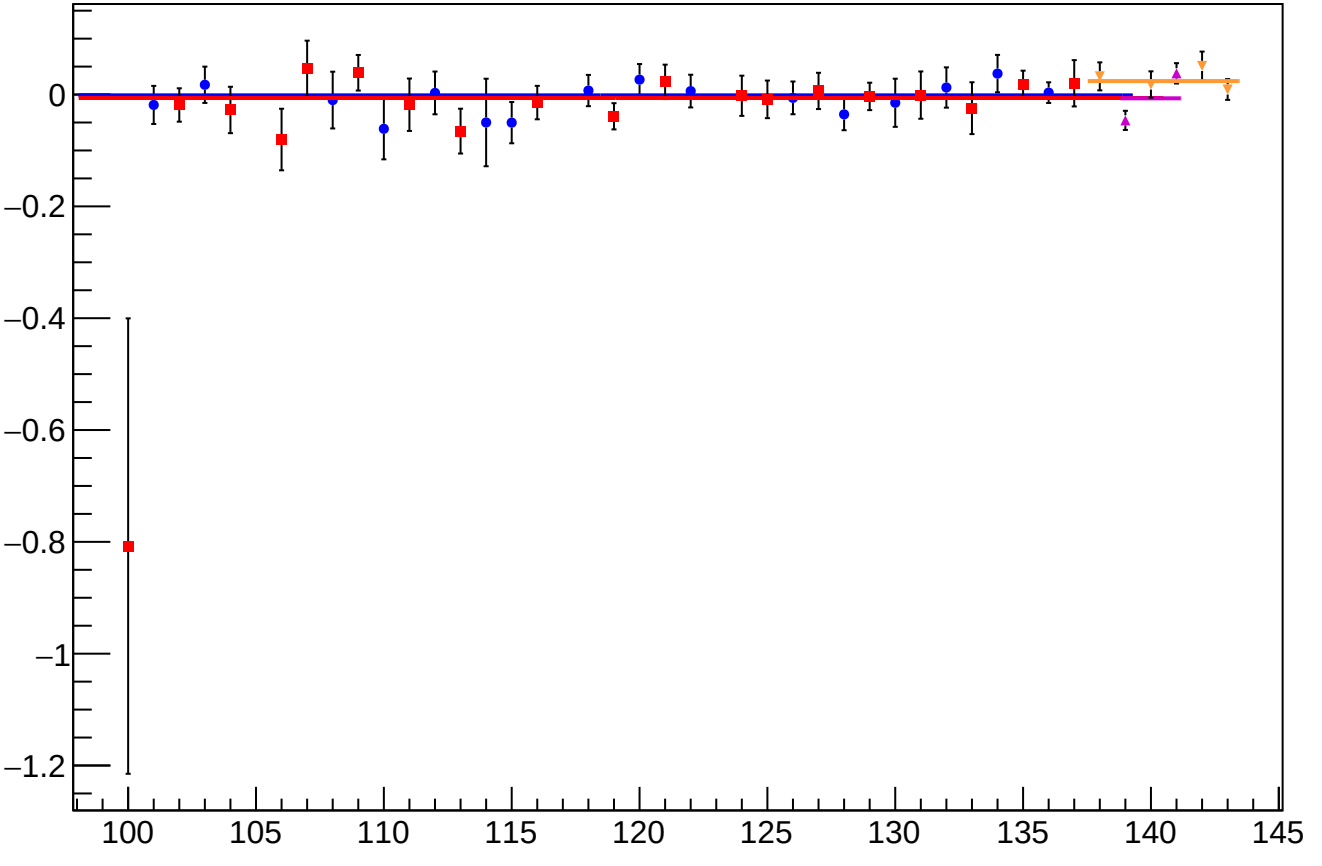
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 19.239+/-0.005 χ^2/NDF:884530.6/17

Out: 19.761+/-0.005 χ^2/NDF:959424.6/22

All: 19.512+/-0.003 χ^2/NDF: 1850156.6/40

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: 0.024+/-0.011 χ^2/NDF:1.9/3

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: 0.010+/-0.008 χ^2/NDF: 16.6/5

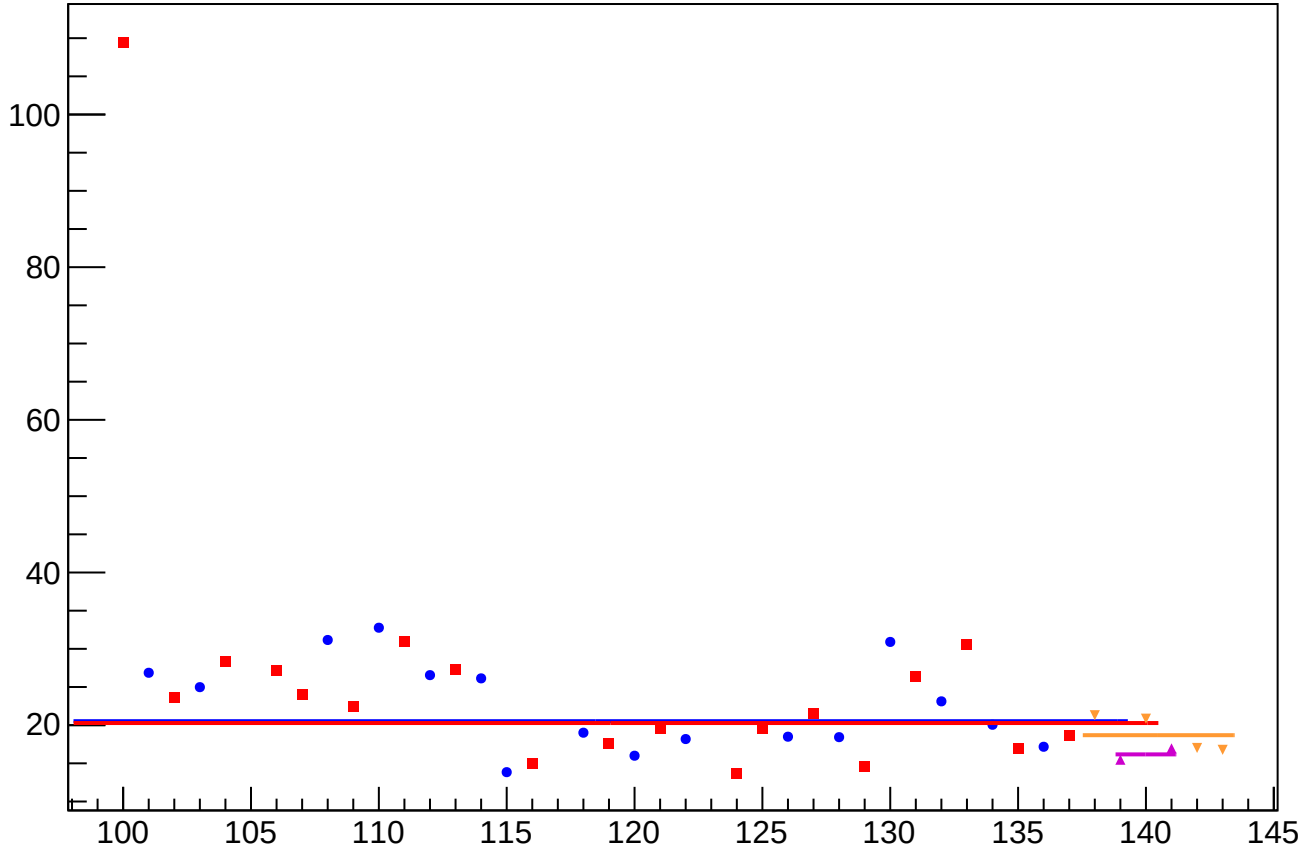
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.007 χ^2/NDF:19.7/17

Out: 0.004+/-0.006 χ^2/NDF:23.0/22

All: 0.001+/-0.005 χ^2/NDF: 43.2/40

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: 18.688+/-0.008 χ^2/NDF:68400.7/3

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.174+/-0.009 χ^2/NDF:7095.8/1

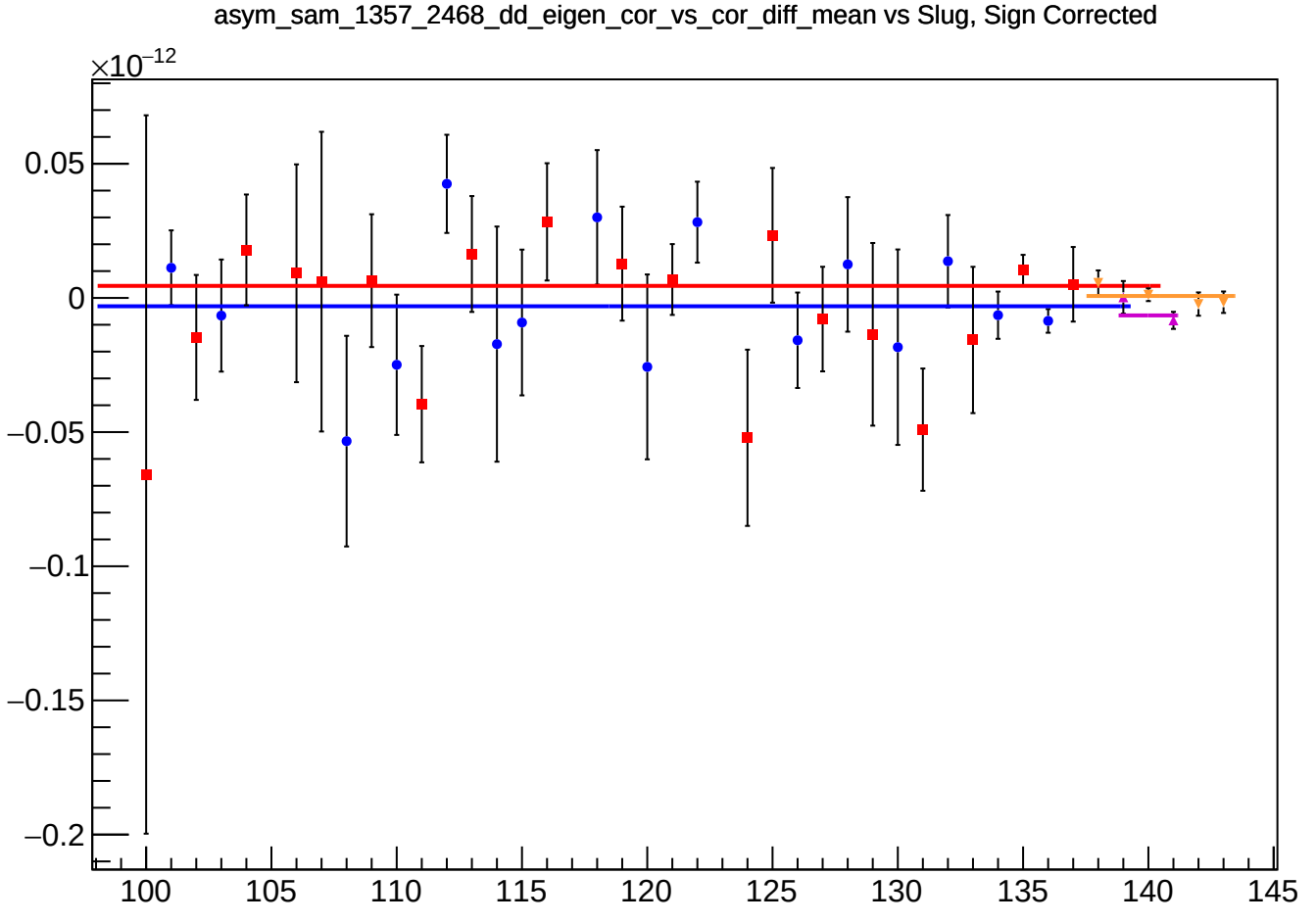
Left: 17.551+/-0.006 χ^2/NDF: 120091.8/5

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 19.239+/-0.005 χ^2/NDF:884530.6/17

Out: 19.761+/-0.005 χ^2/NDF:959424.6/22

All: 19.512+/-0.003 χ^2/NDF: 1850156.6/40



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/1

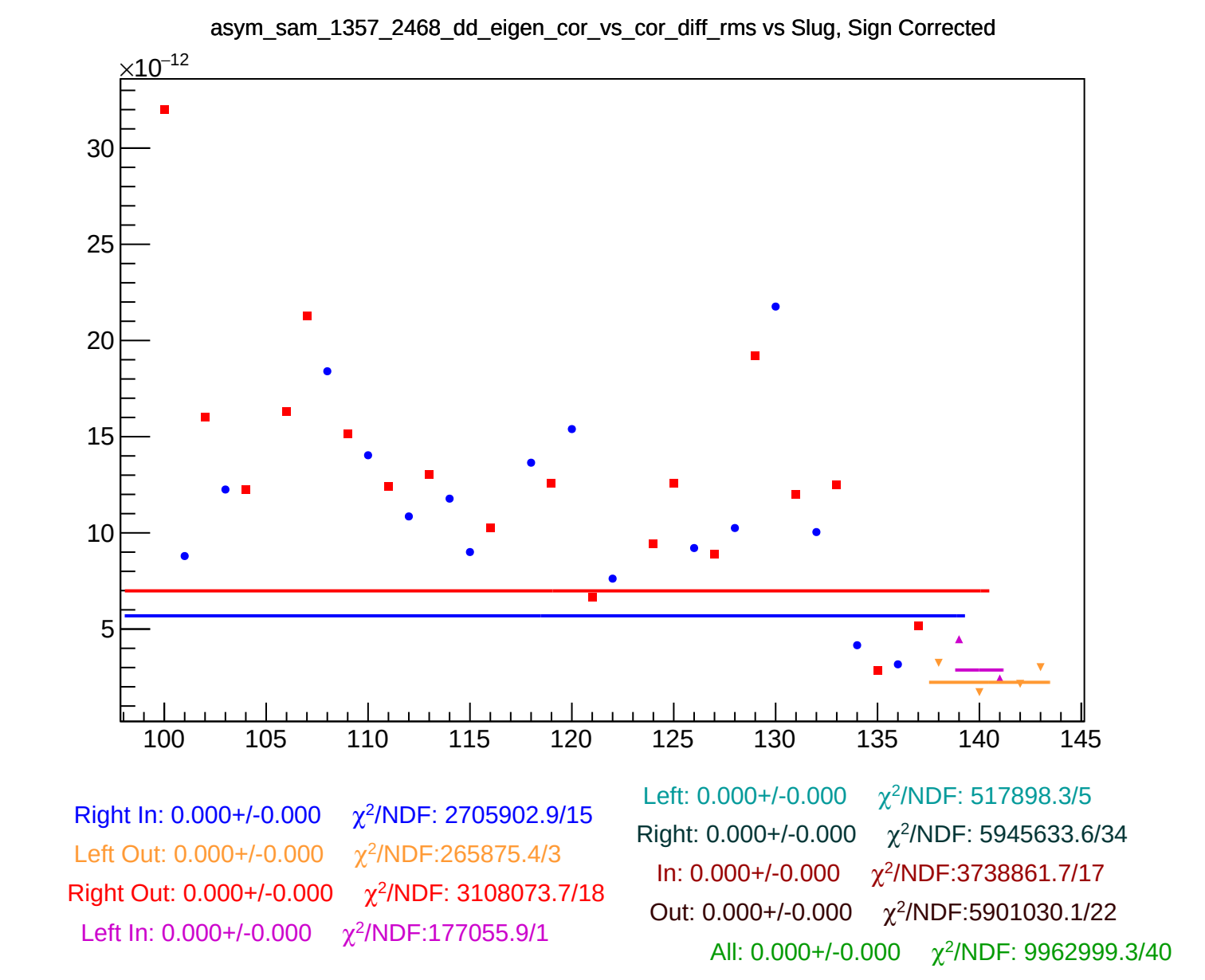
Left: -0.000+/-0.000 χ^2/NDF: 8.3/5

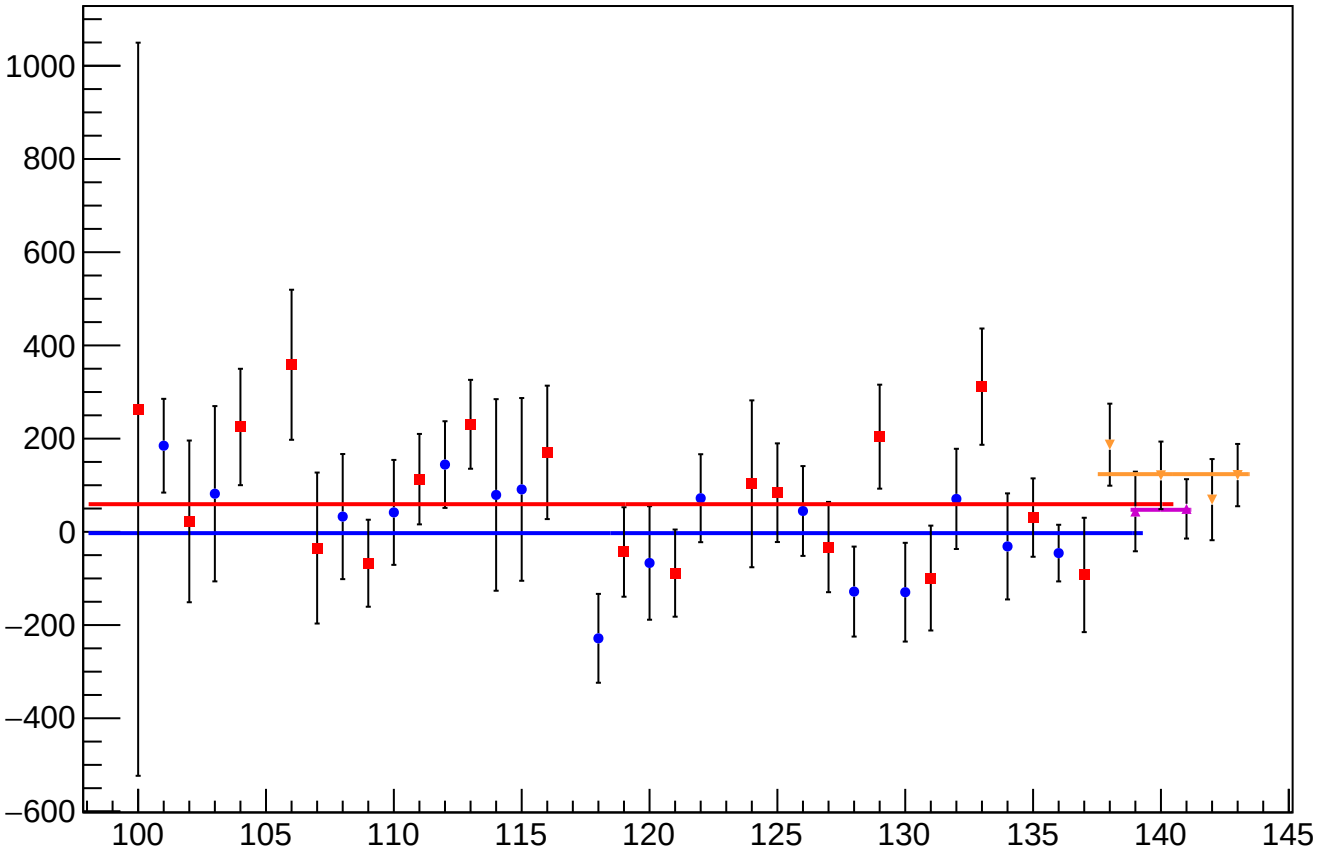
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:22.2/17

Out: 0.000+/-0.000 χ^2/NDF:21.4/22

All: -0.000+/-0.000 χ^2/NDF: 49.4/40


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
105
110
115
120
125
130
135
140
145
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:265875.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:177055.9/1
Left: 0.000+/-0.000 χ²/NDF: 517898.3/5
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:3738861.7/17
Out: 0.000+/-0.000 χ²/NDF:5901030.1/22
All: 0.000+/-0.000 χ²/NDF: 9962999.3/40



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.793+/-38.486 χ^2/NDF:0.9/3

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 47.304+/-51.067 χ^2/NDF:0.0/1

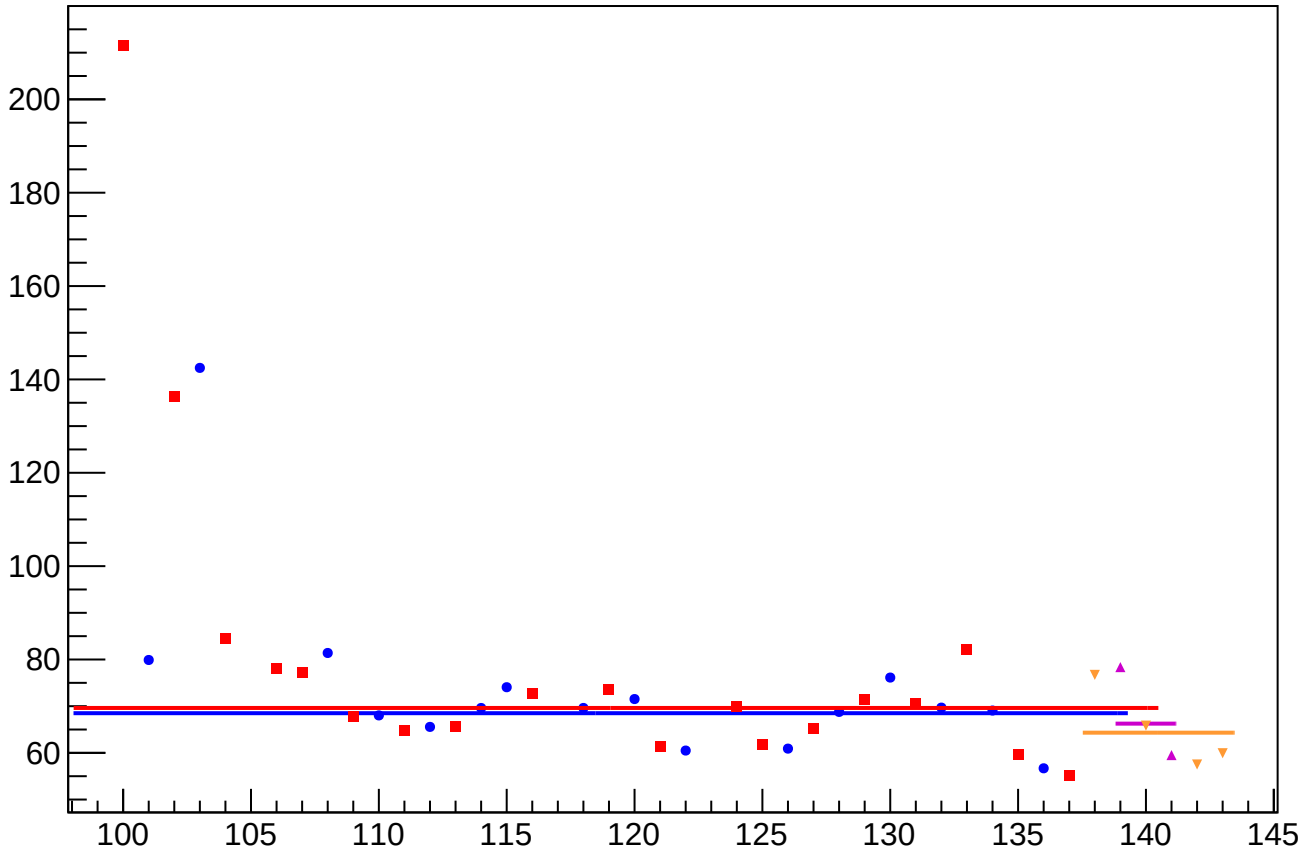
Left: 96.086+/-30.735 χ^2/NDF: 2.3/5

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 7.675+/-23.320 χ^2/NDF:18.5/17

Out: 79.951+/-21.760 χ^2/NDF:28.5/22

All: 46.311+/-15.910 χ^2/NDF: 52.1/40



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

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: 65.027+/-0.022 χ^2/NDF: 125792.5/5

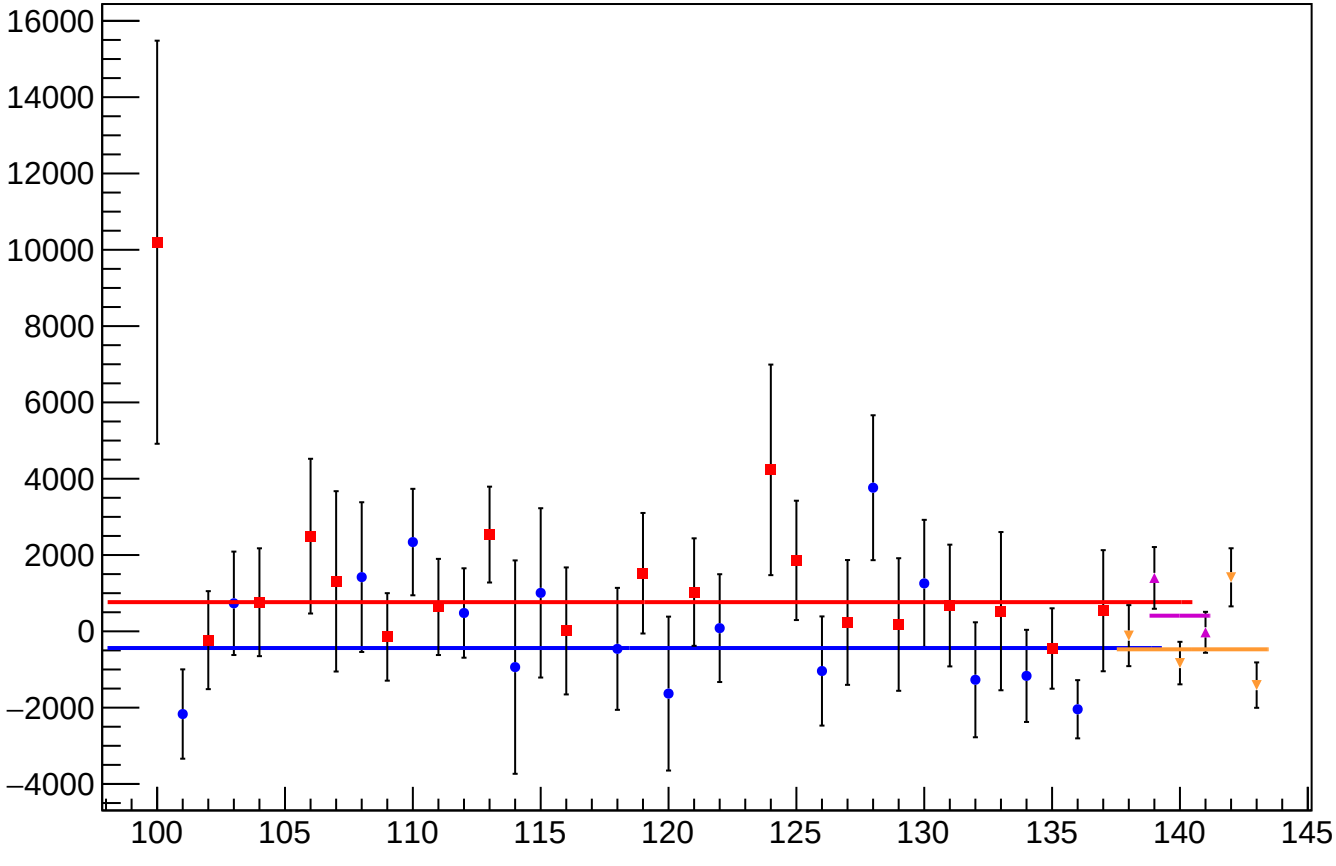
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 68.032+/-0.016 χ^2/NDF:537473.6/17

Out: 67.927+/-0.015 χ^2/NDF:607541.7/22

All: 67.976+/-0.011 χ^2/NDF: 1145036.9/40

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: -471.198+/-327.282 χ^2/NDF:9.2/3

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: -163.740+/-264.087 χ^2/NDF: 13.9/5

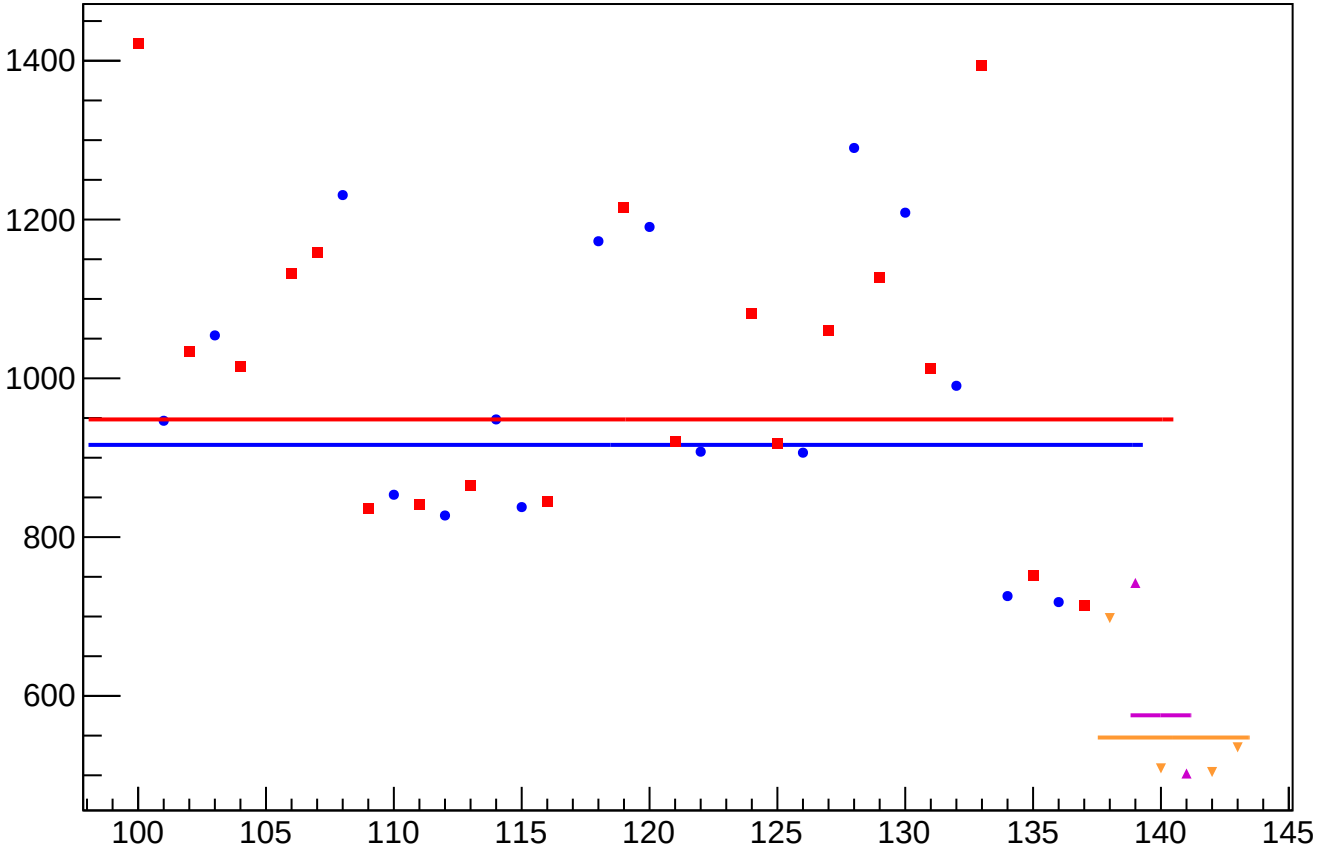
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -116.708+/-275.048 χ^2/NDF:24.9/17

Out: 100.300+/-240.017 χ^2/NDF:27.2/22

All: 6.487+/-180.843 χ^2/NDF: 52.5/40

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: 547.591+/-0.231 χ^2/NDF:87869.1/3

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122279.0/1

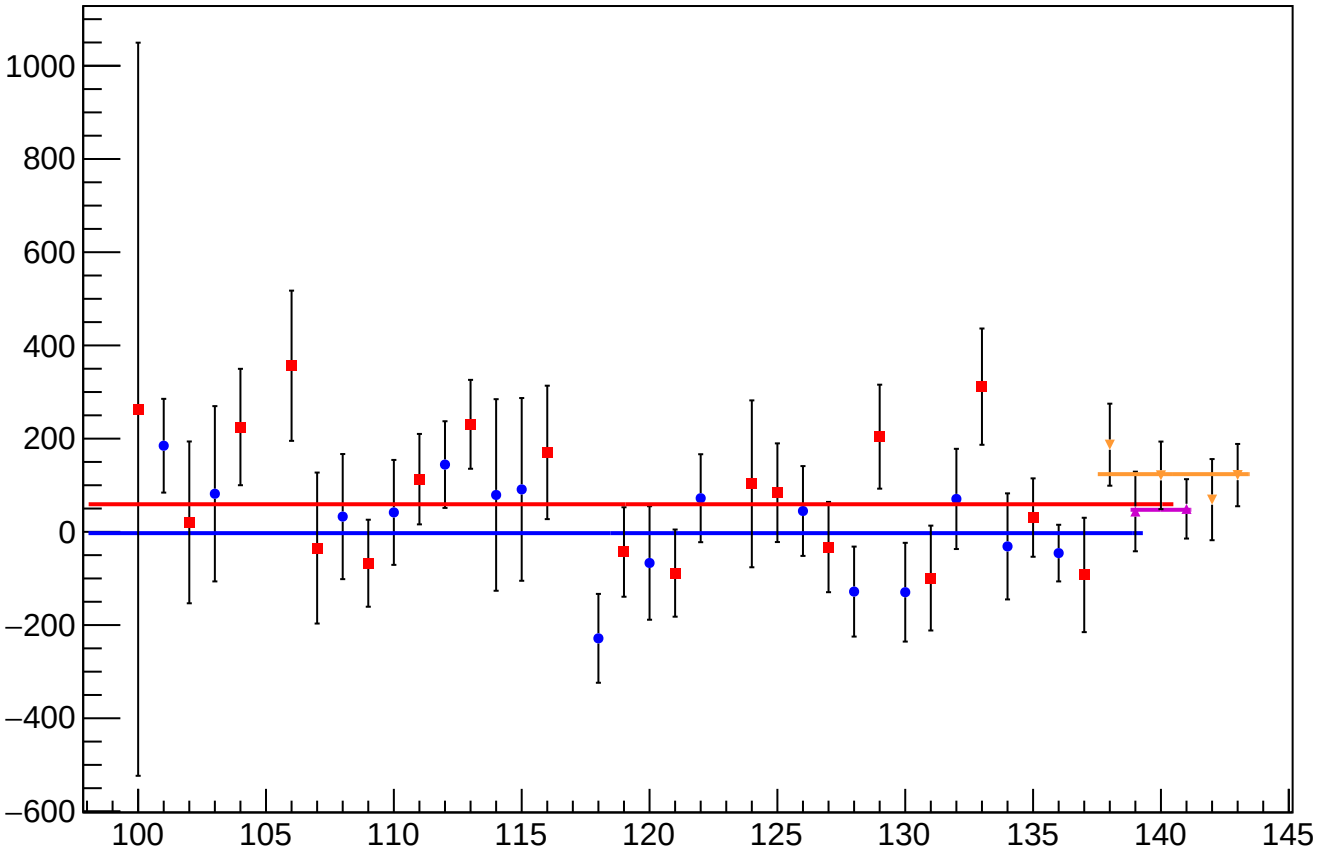
Left: 557.355+/-0.187 χ^2/NDF: 215250.1/5

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 787.268+/-0.194 χ^2/NDF:1352805.0/17

Out: 732.759+/-0.170 χ^2/NDF:1888254.9/22

All: 756.323+/-0.128 χ^2/NDF: 3285653.4/40



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.800+/-38.486 χ^2/NDF:0.9/3

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 47.312+/-51.067 χ^2/NDF:0.0/1

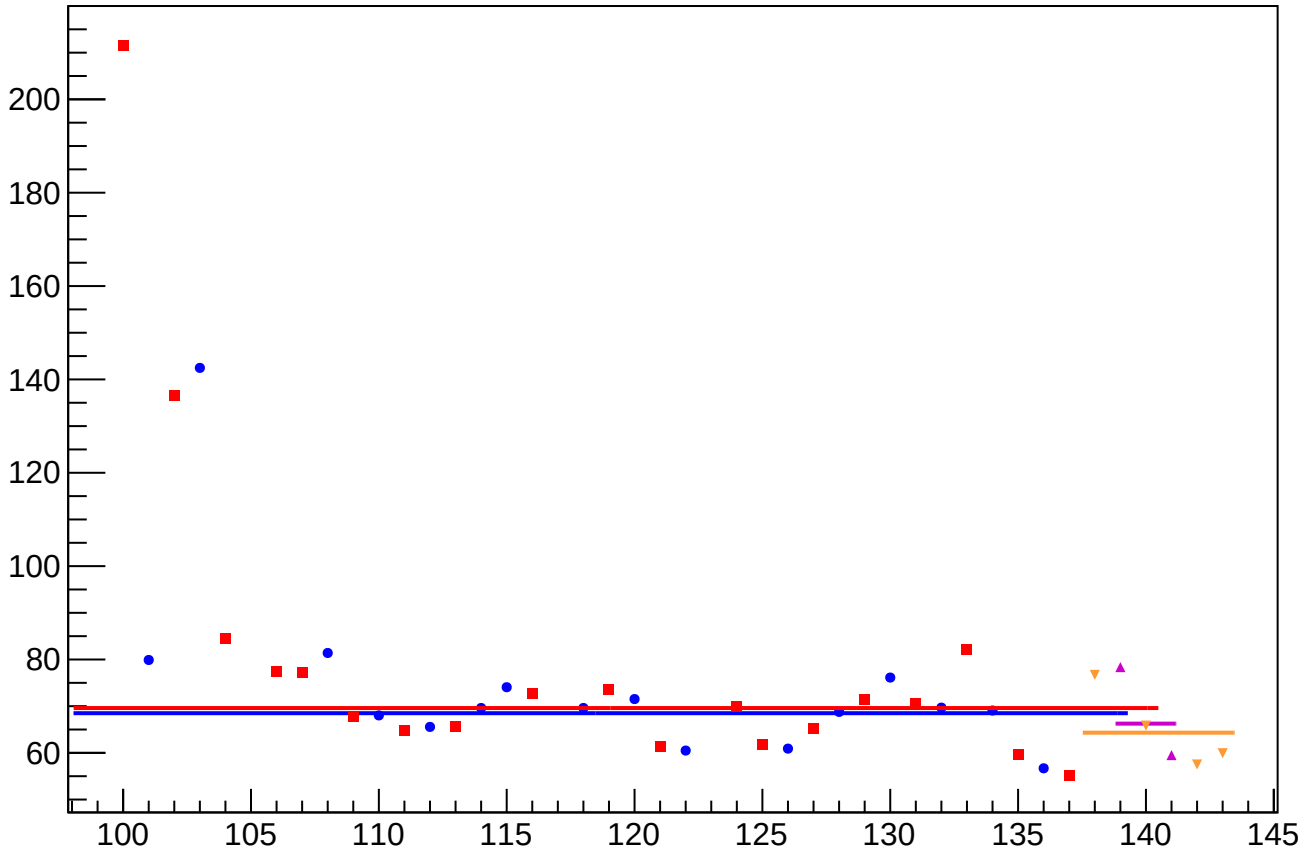
Left: 96.094+/-30.735 χ^2/NDF: 2.3/5

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 7.671+/-23.320 χ^2/NDF:18.5/17

Out: 79.871+/-21.761 χ^2/NDF:28.5/22

All: 46.266+/-15.910 χ^2/NDF: 52.1/40



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

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: 65.027+/-0.022 χ^2/NDF: 125792.5/5

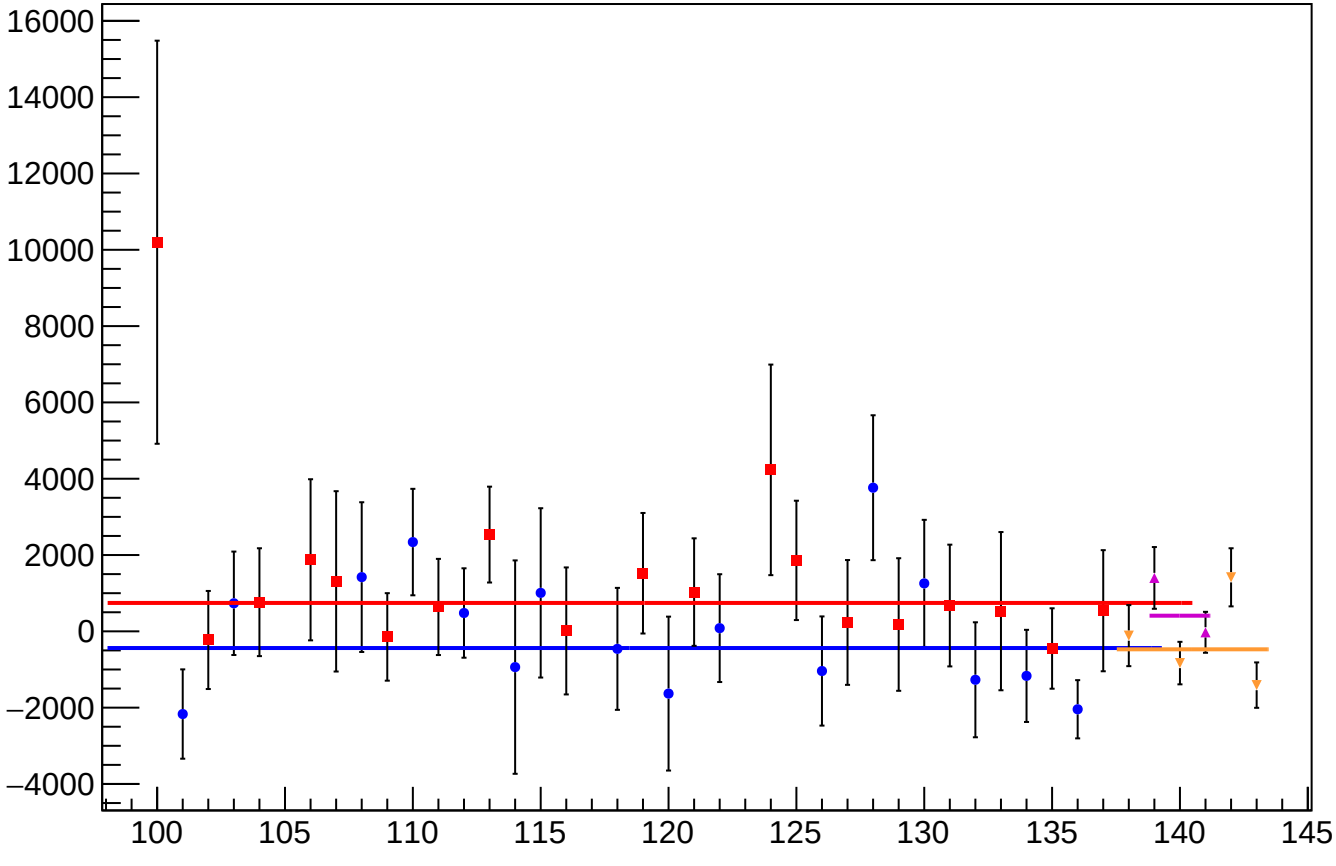
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 68.032+/-0.016 χ^2/NDF:537476.6/17

Out: 67.914+/-0.015 χ^2/NDF:606739.1/22

All: 67.969+/-0.011 χ^2/NDF: 1144243.1/40

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: -471.187+/-327.281 χ^2/NDF:9.2/3

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 410.042+/-447.093 χ^2/NDF:2.2/1

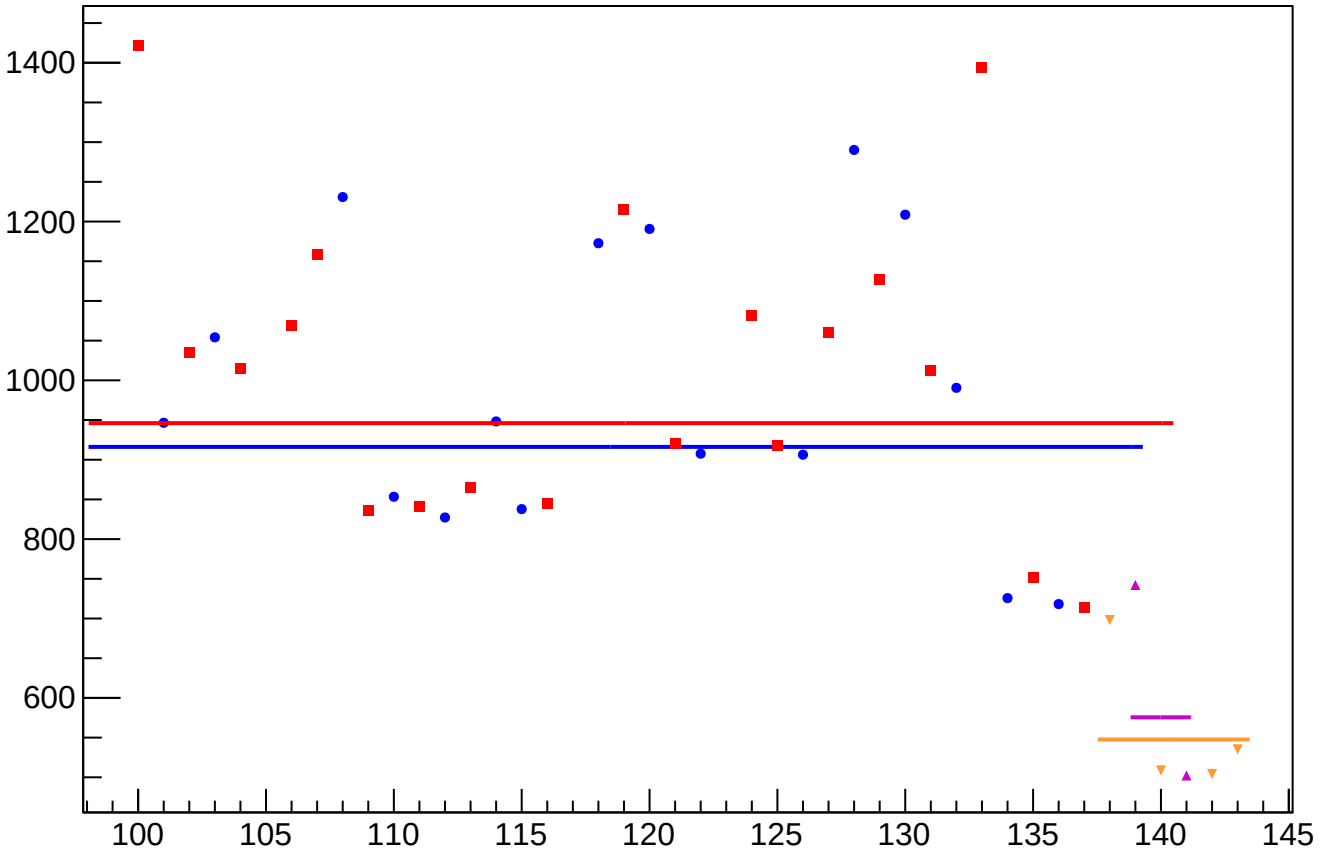
Left: -163.729+/-264.087 χ^2/NDF: 13.9/5

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -116.683+/-275.049 χ^2/NDF:24.9/17

Out: 89.876+/-240.154 χ^2/NDF:26.5/22

All: 0.523+/-180.902 χ^2/NDF: 51.7/40



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 547.591+/-0.231 χ^2/NDF:87869.2/3

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122277.7/1

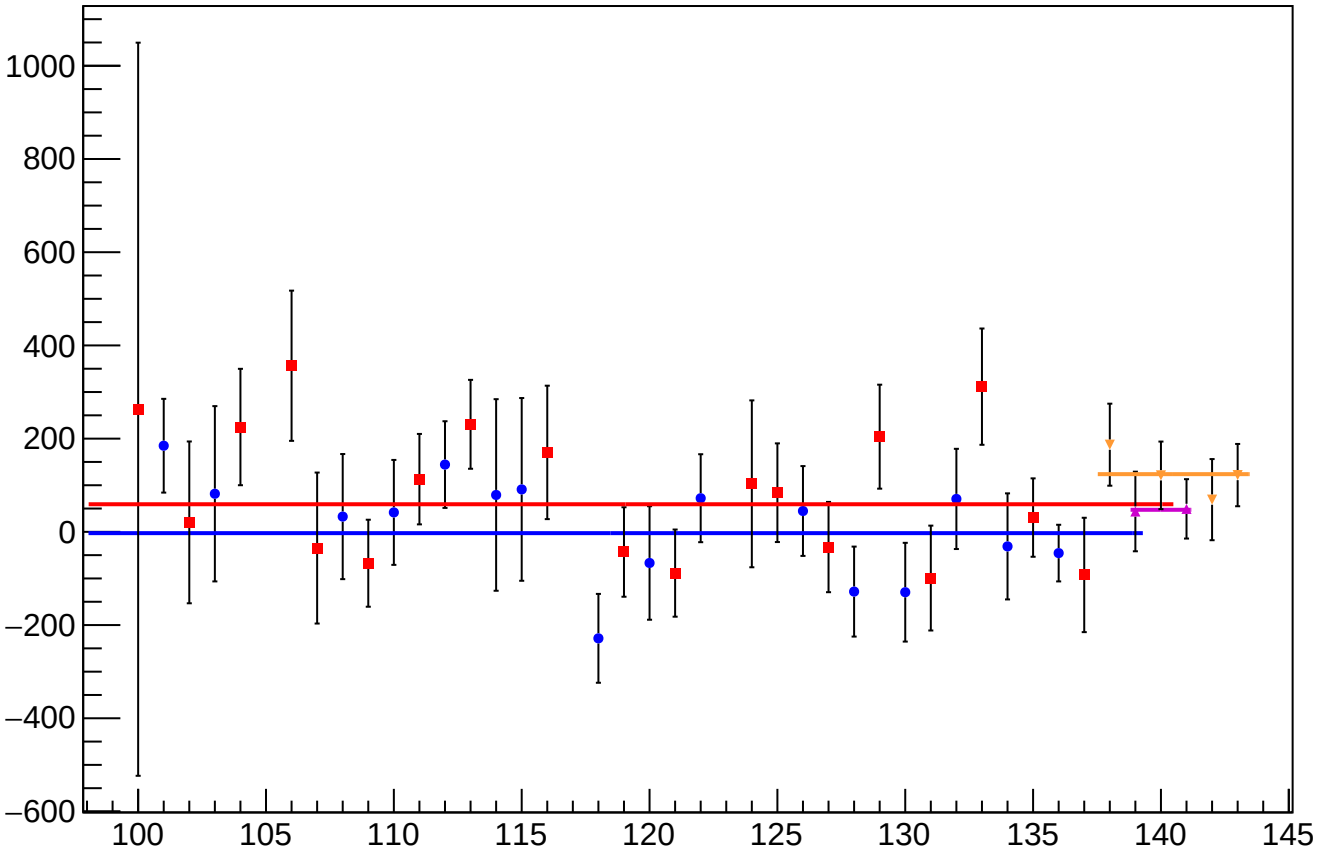
Left: 557.355+/-0.187 χ^2/NDF: 215249.3/5

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 787.270+/-0.194 χ^2/NDF:1352836.3/17

Out: 731.524+/-0.170 χ^2/NDF:1861883.1/22

All: 755.638+/-0.128 χ^2/NDF: 3261337.0/40



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 123.800+/-38.486 χ^2/NDF:0.9/3

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 47.312+/-51.067 χ^2/NDF:0.0/1

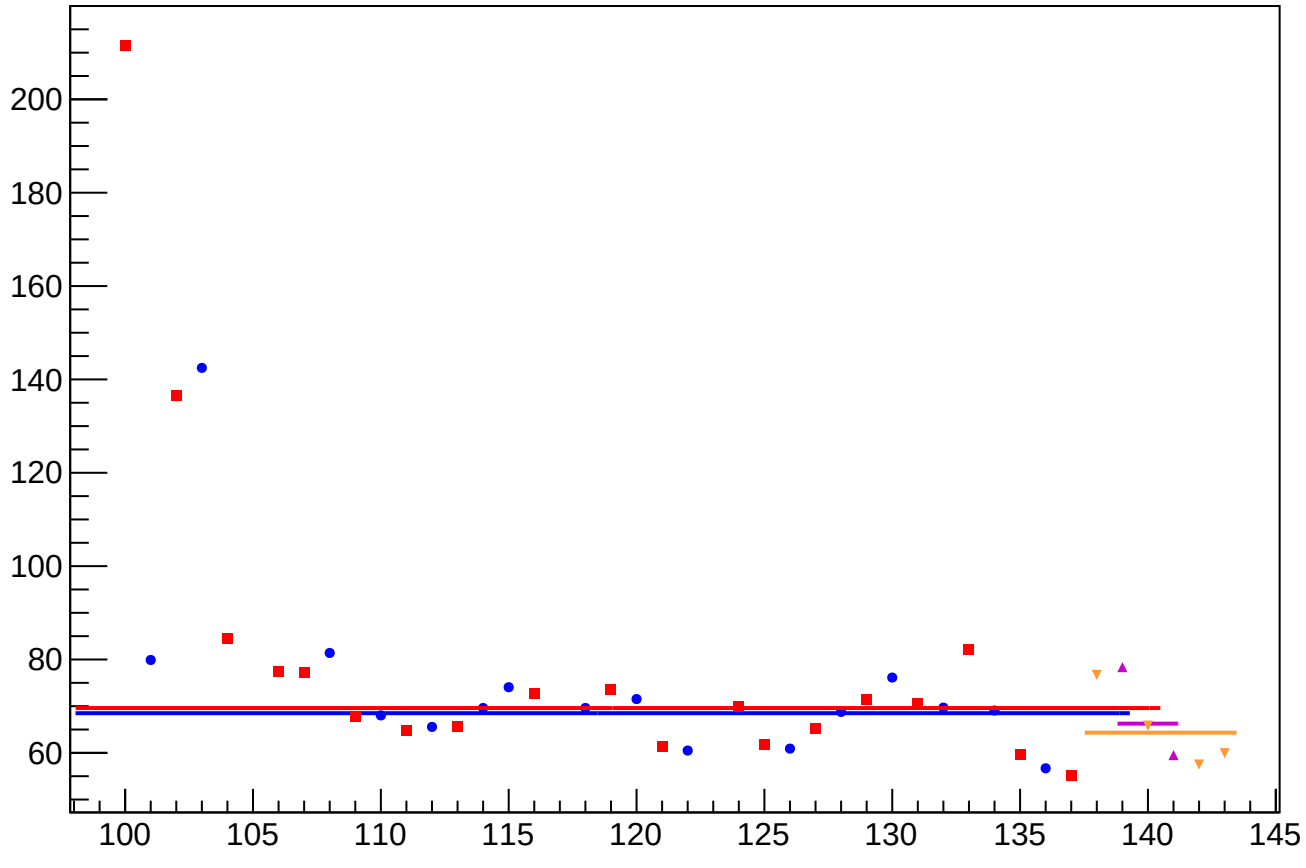
Left: 96.094+/-30.735 χ^2/NDF: 2.3/5

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 7.671+/-23.320 χ^2/NDF:18.5/17

Out: 79.871+/-21.761 χ^2/NDF:28.5/22

All: 46.266+/-15.910 χ^2/NDF: 52.1/40



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 64.326+/-0.027 χ^2/NDF:61390.1/3

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: 65.027+/-0.022 χ^2/NDF: 125792.5/5

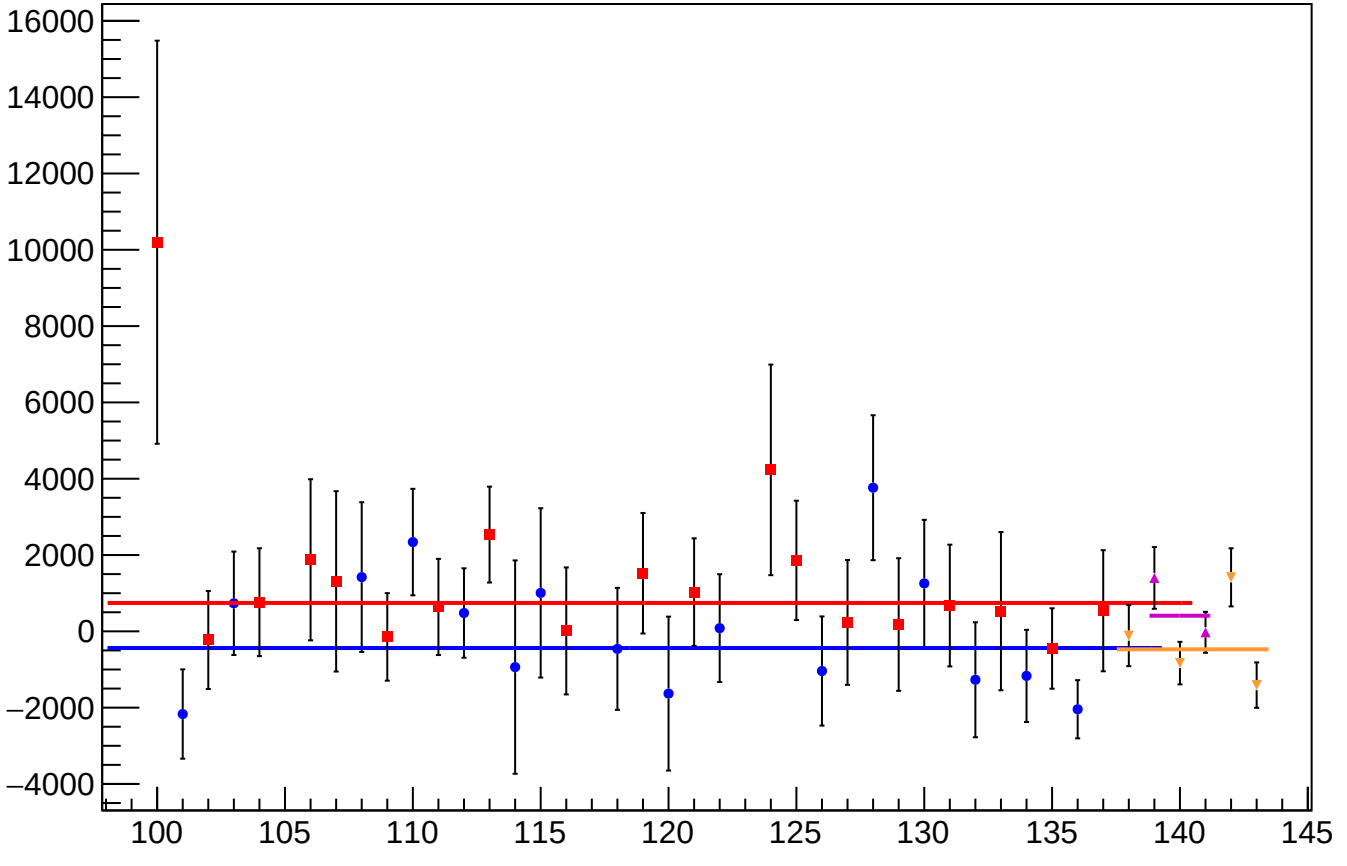
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 68.032+/-0.016 χ^2/NDF:537476.6/17

Out: 67.914+/-0.015 χ^2/NDF:606739.1/22

All: 67.969+/-0.011 χ^2/NDF: 1144243.1/40

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: -471.187+/-327.281 χ^2/NDF:9.2/3

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 410.042+/-447.093 χ^2/NDF:2.2/1

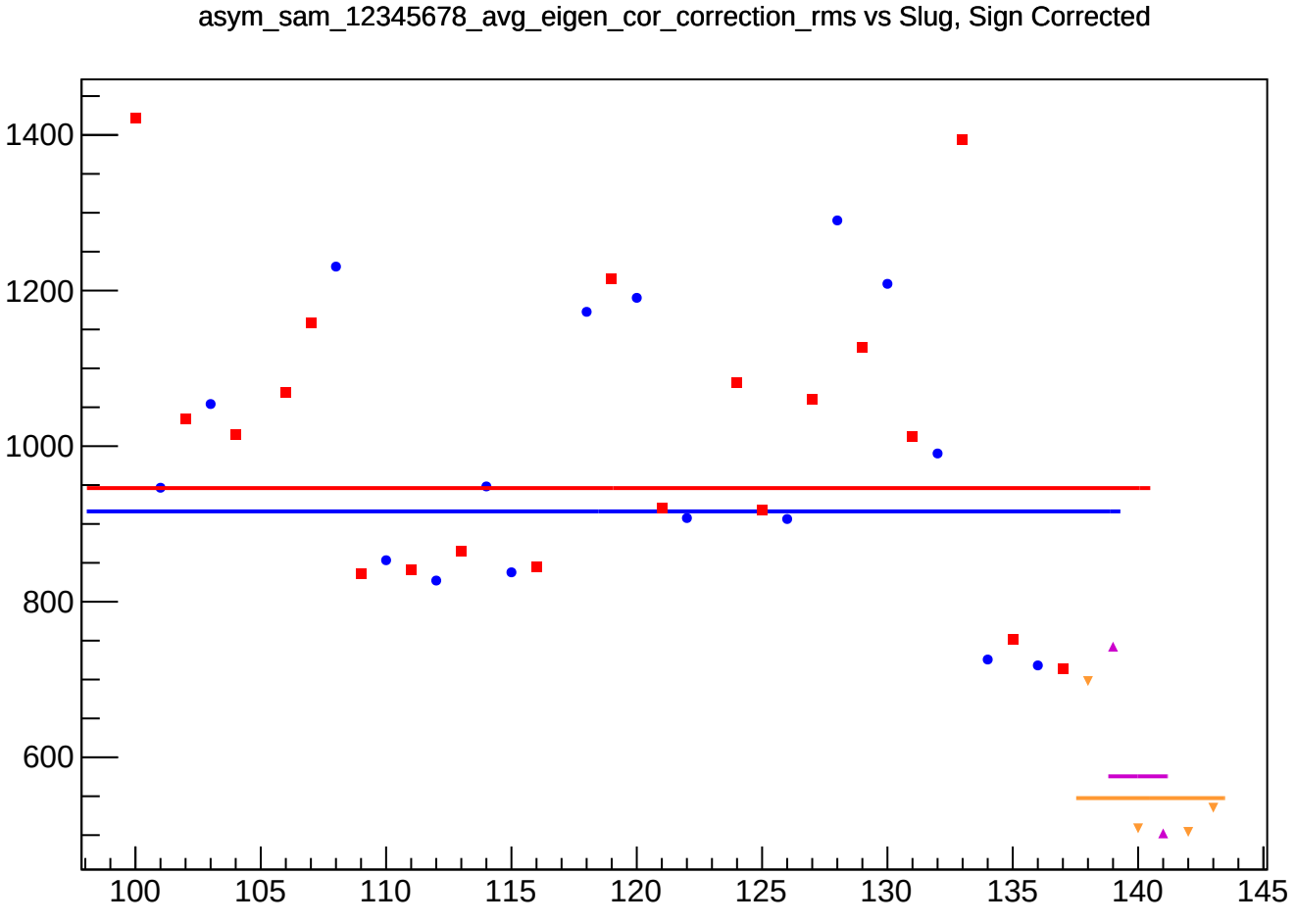
Left: -163.729+/-264.087 χ^2/NDF: 13.9/5

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -116.683+/-275.049 χ^2/NDF:24.9/17

Out: 89.876+/-240.154 χ^2/NDF:26.5/22

All: 0.523+/-180.902 χ^2/NDF: 51.7/40



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 547.591+/-0.231 χ^2/NDF:87869.2/3

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 575.577+/-0.316 χ^2/NDF:122277.7/1

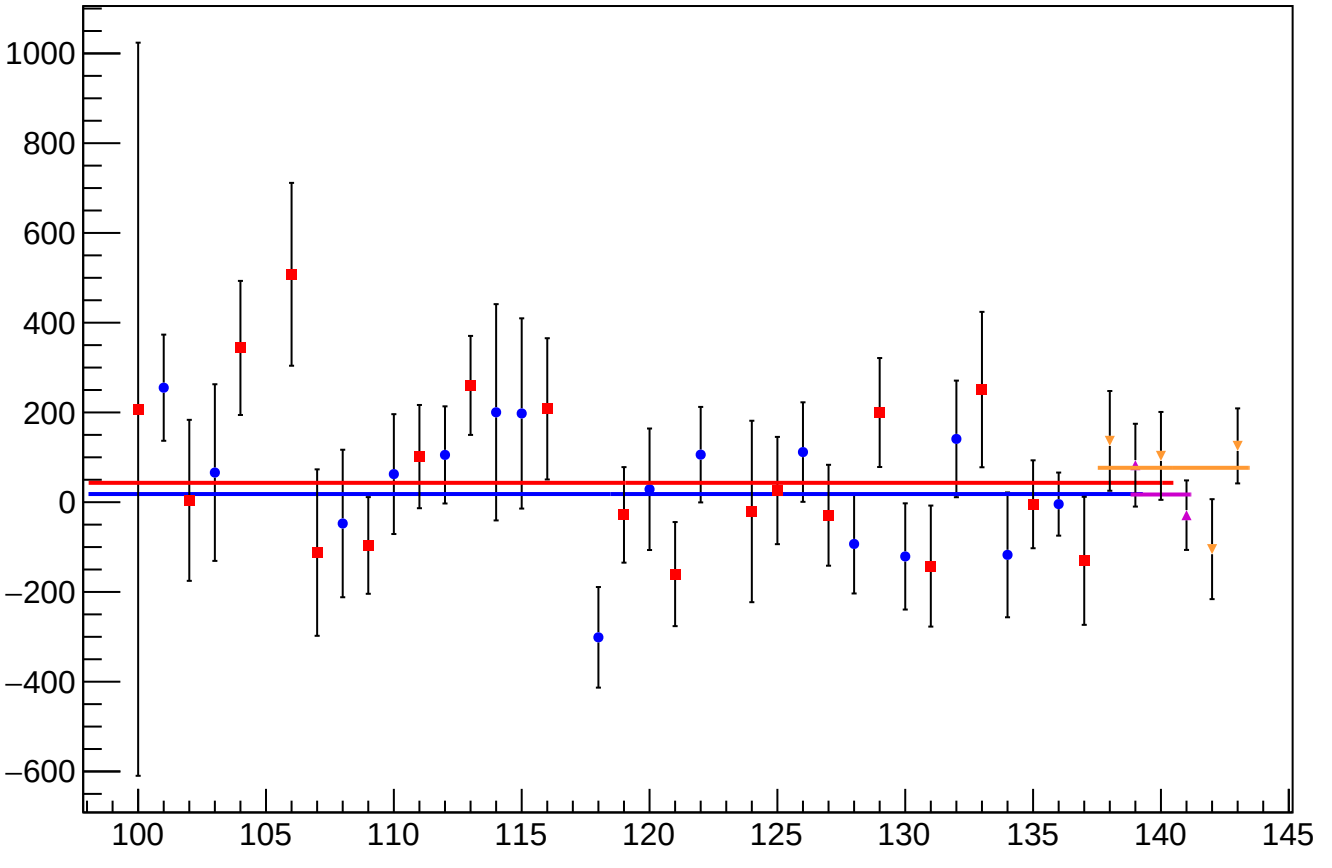
Left: 557.355+/-0.187 χ^2/NDF: 215249.3/5

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 787.270+/-0.194 χ^2/NDF:1352836.3/17

Out: 731.524+/-0.170 χ^2/NDF:1861883.1/22

All: 755.638+/-0.128 χ^2/NDF: 3261337.0/40



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 76.621+/-49.451 χ^2/NDF:3.4/3

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 17.147+/-59.328 χ^2/NDF:0.9/1

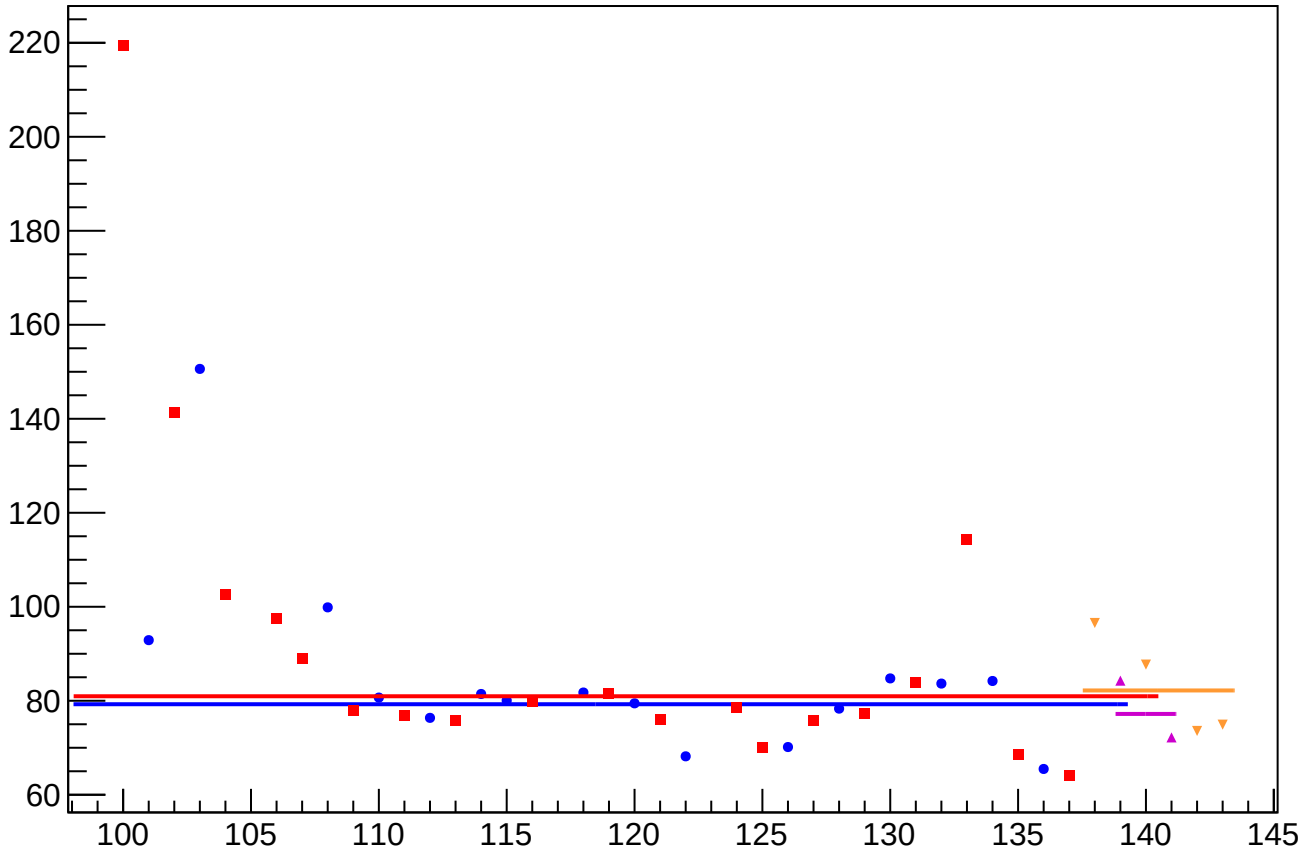
Left: 52.240+/-37.986 χ^2/NDF: 4.8/5

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 17.962+/-27.017 χ^2/NDF:21.0/17

Out: 52.461+/-26.087 χ^2/NDF:31.4/22

All: 35.816+/-18.766 χ^2/NDF: 53.2/40



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 82.193+/-0.035 χ^2/NDF:66801.2/3

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: 80.145+/-0.027 χ^2/NDF: 95263.3/5

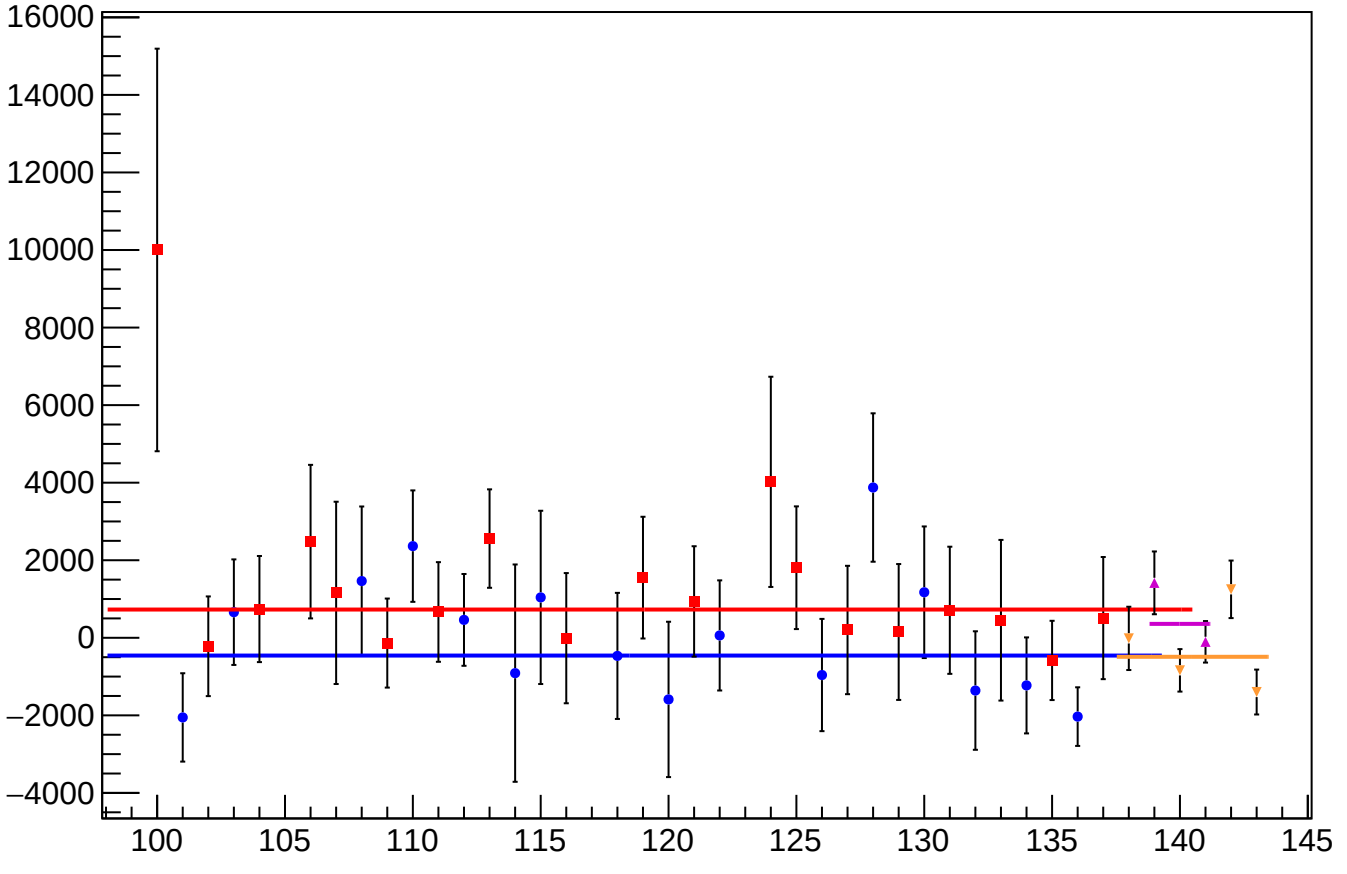
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 78.835+/-0.019 χ^2/NDF:466968.7/17

Out: 81.302+/-0.018 χ^2/NDF:581882.9/22

All: 80.111+/-0.013 χ^2/NDF: 1057482.8/40

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: -490.009+/-322.147 χ^2/NDF:8.7/3

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: -199.442+/-261.255 χ^2/NDF: 13.5/5

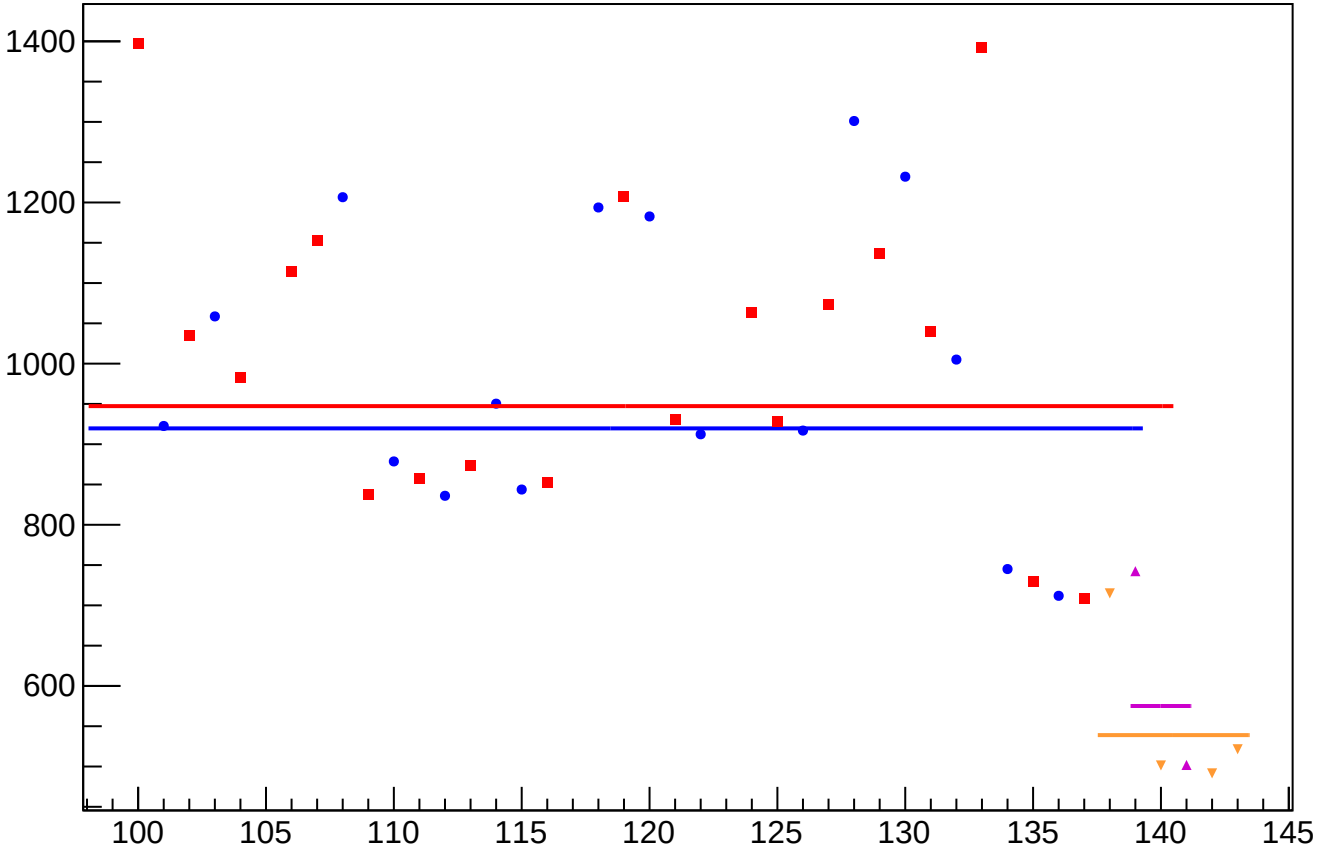
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -147.130+/-275.502 χ^2/NDF:24.8/17

Out: 64.522+/-237.823 χ^2/NDF:26.7/22

All: -25.852+/-180.026 χ^2/NDF: 51.9/40

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: 538.980+/-0.228 χ^2/NDF:112461.8/3

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 575.105+/-0.316 χ^2/NDF:122793.1/1

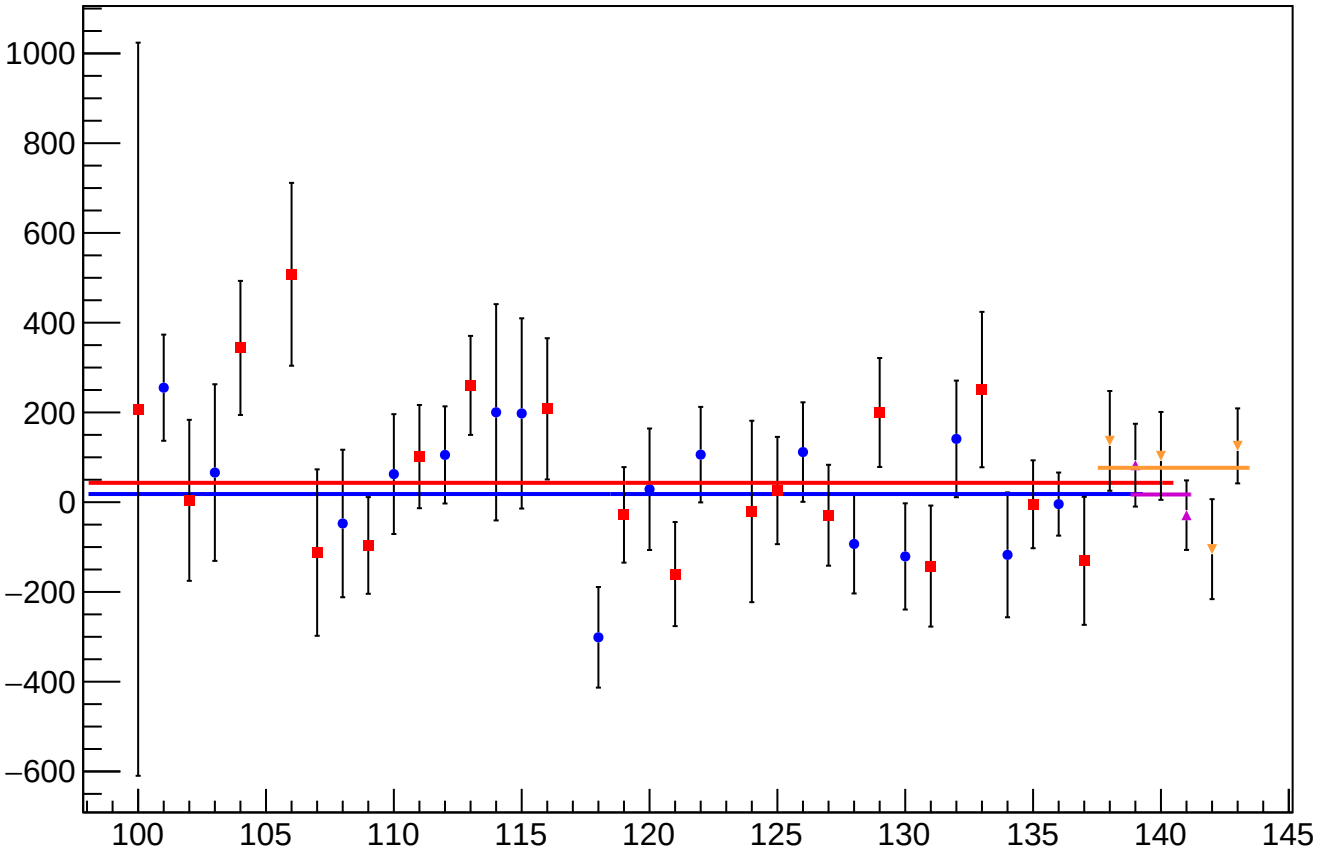
Left: 551.346+/-0.185 χ^2/NDF: 243864.0/5

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 788.487+/-0.195 χ^2/NDF:1375654.0/17

Out: 724.751+/-0.168 χ^2/NDF:1999768.9/22

All: 751.966+/-0.127 χ^2/NDF: 3436757.0/40



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 76.621+/-49.451 χ^2/NDF:3.4/3

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 17.148+/-59.328 χ^2/NDF:0.9/1

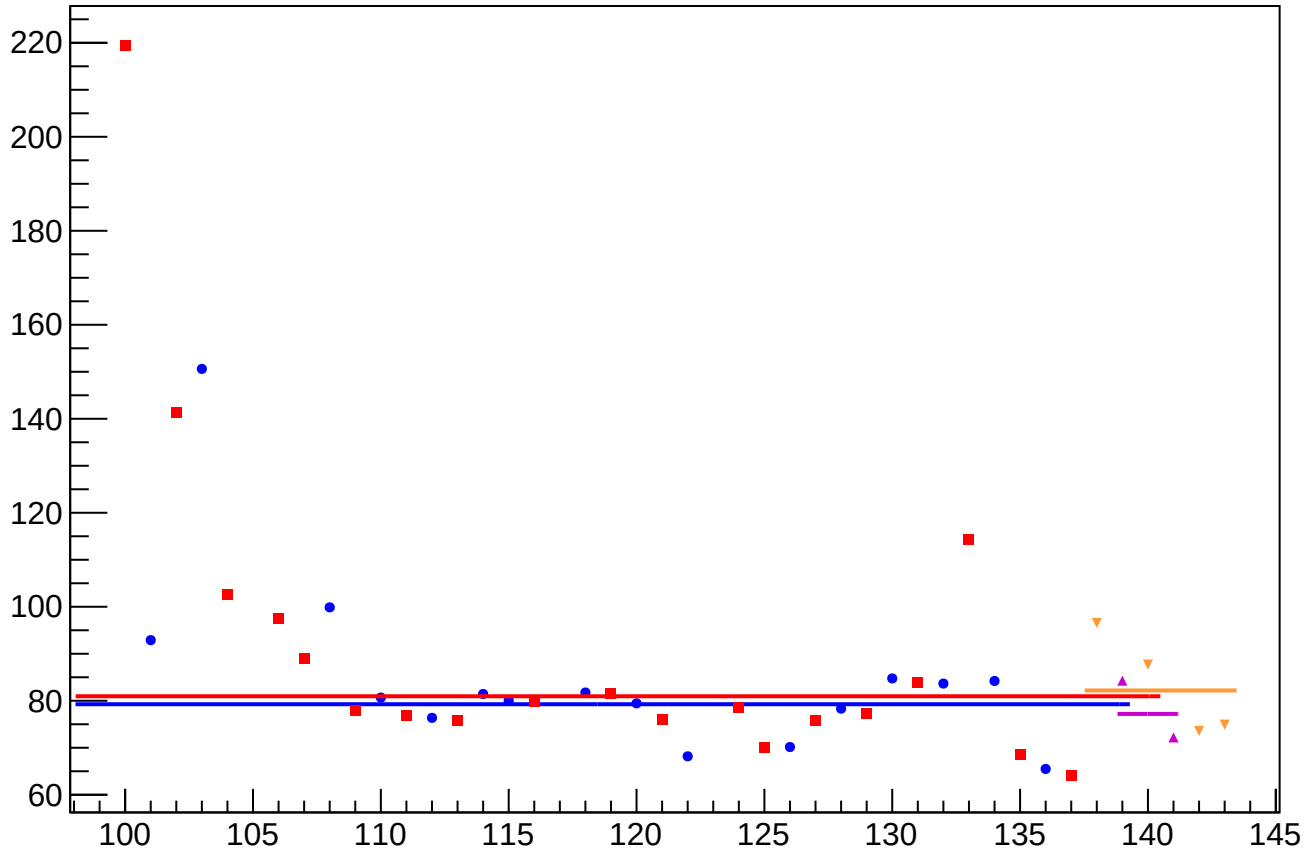
Left: 52.240+/-37.986 χ^2/NDF: 4.8/5

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 17.962+/-27.017 χ^2/NDF:21.0/17

Out: 52.460+/-26.087 χ^2/NDF:31.4/22

All: 35.815+/-18.766 χ^2/NDF: 53.2/40



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 82.193+/-0.035 χ^2/NDF:66799.0/3

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: 80.145+/-0.027 χ^2/NDF: 95260.4/5

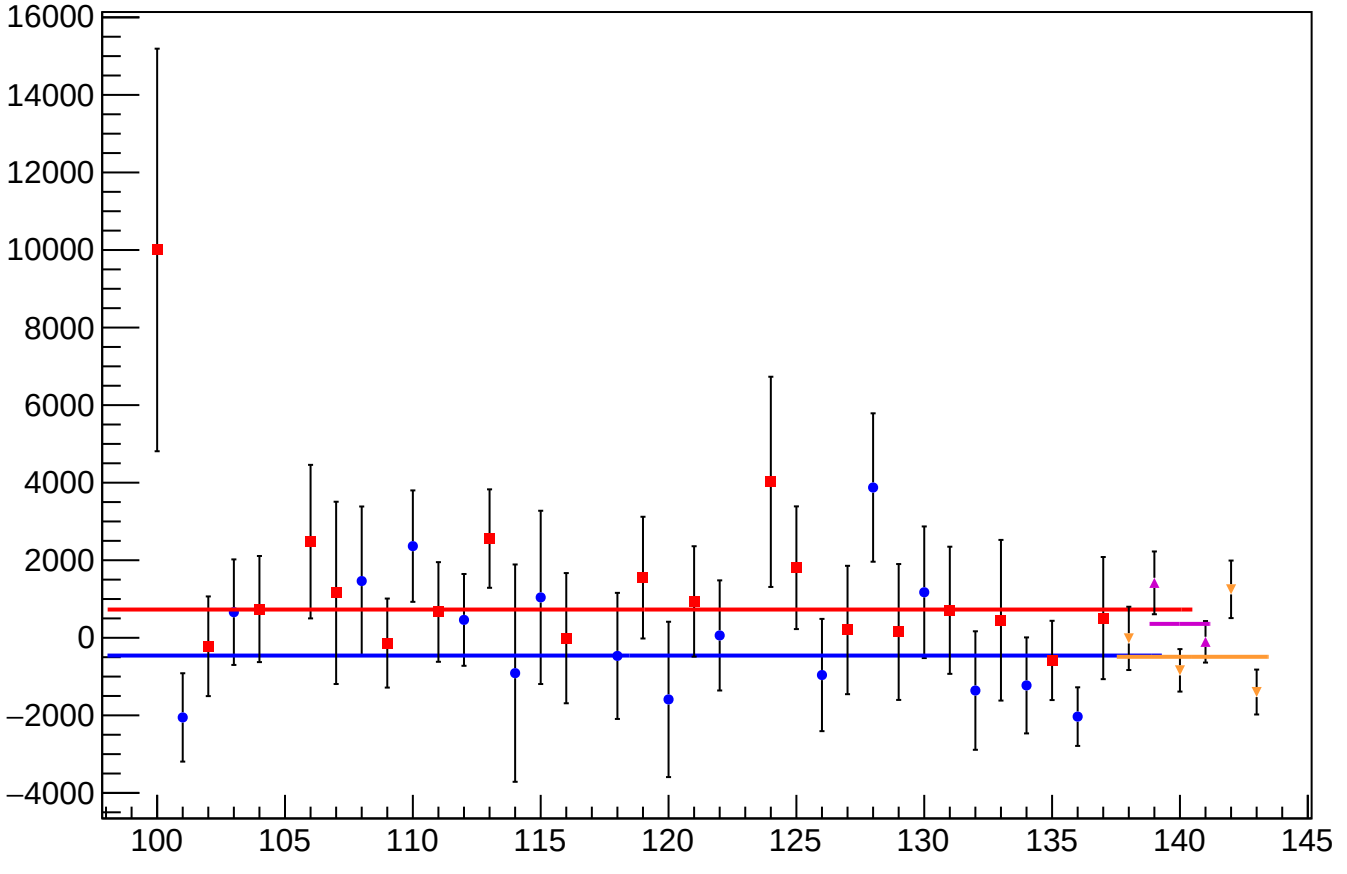
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 78.835+/-0.019 χ^2/NDF:466964.6/17

Out: 81.302+/-0.018 χ^2/NDF:581890.0/22

All: 80.111+/-0.013 χ^2/NDF: 1057486.2/40

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: -490.011+/-322.147 χ^2/NDF:8.7/3

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: -199.443+/-261.254 χ^2/NDF: 13.5/5

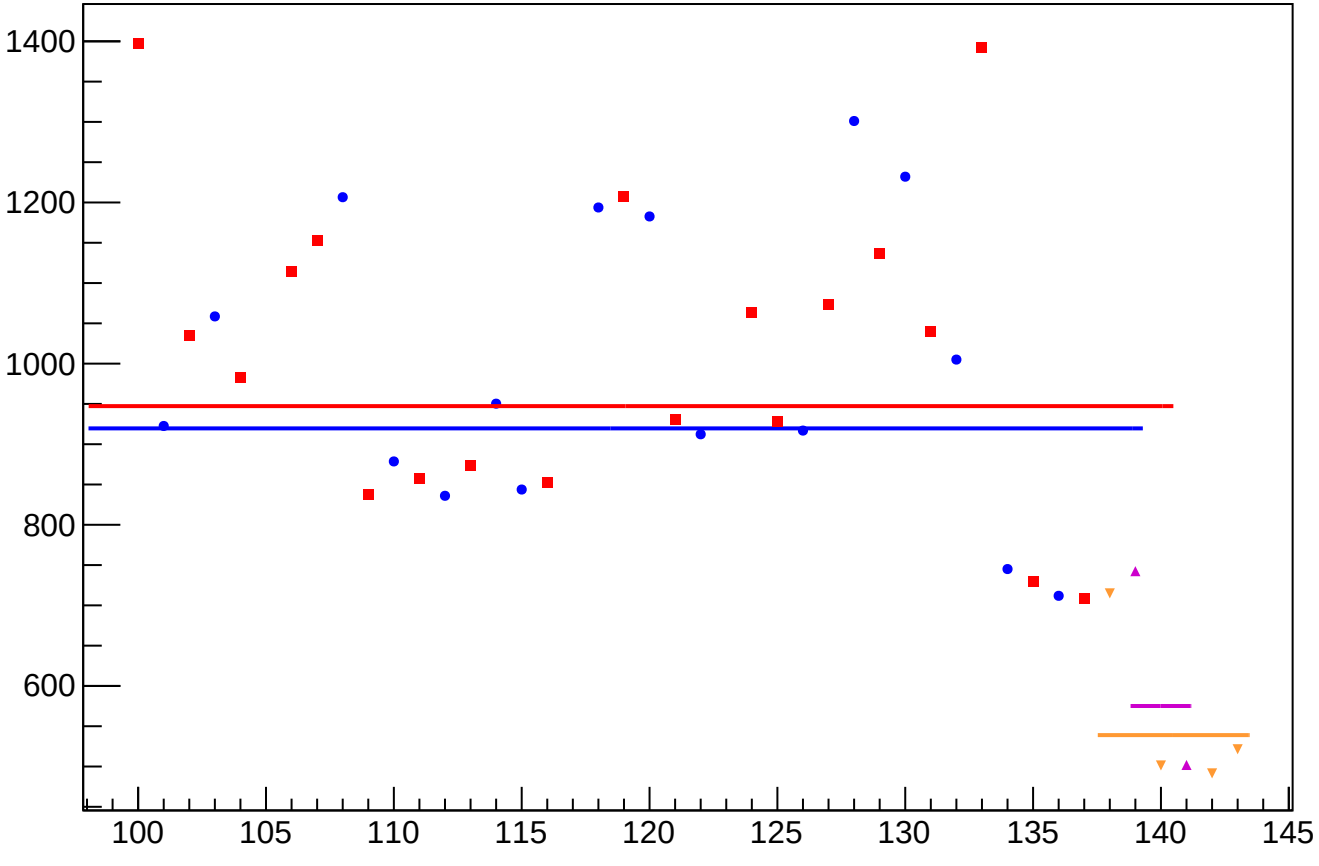
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -147.128+/-275.501 χ^2/NDF:24.8/17

Out: 64.521+/-237.823 χ^2/NDF:26.7/22

All: -25.851+/-180.025 χ^2/NDF: 51.9/40

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: 538.979+/-0.228 χ^2/NDF:112460.8/3

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 575.104+/-0.316 χ^2/NDF:122793.1/1

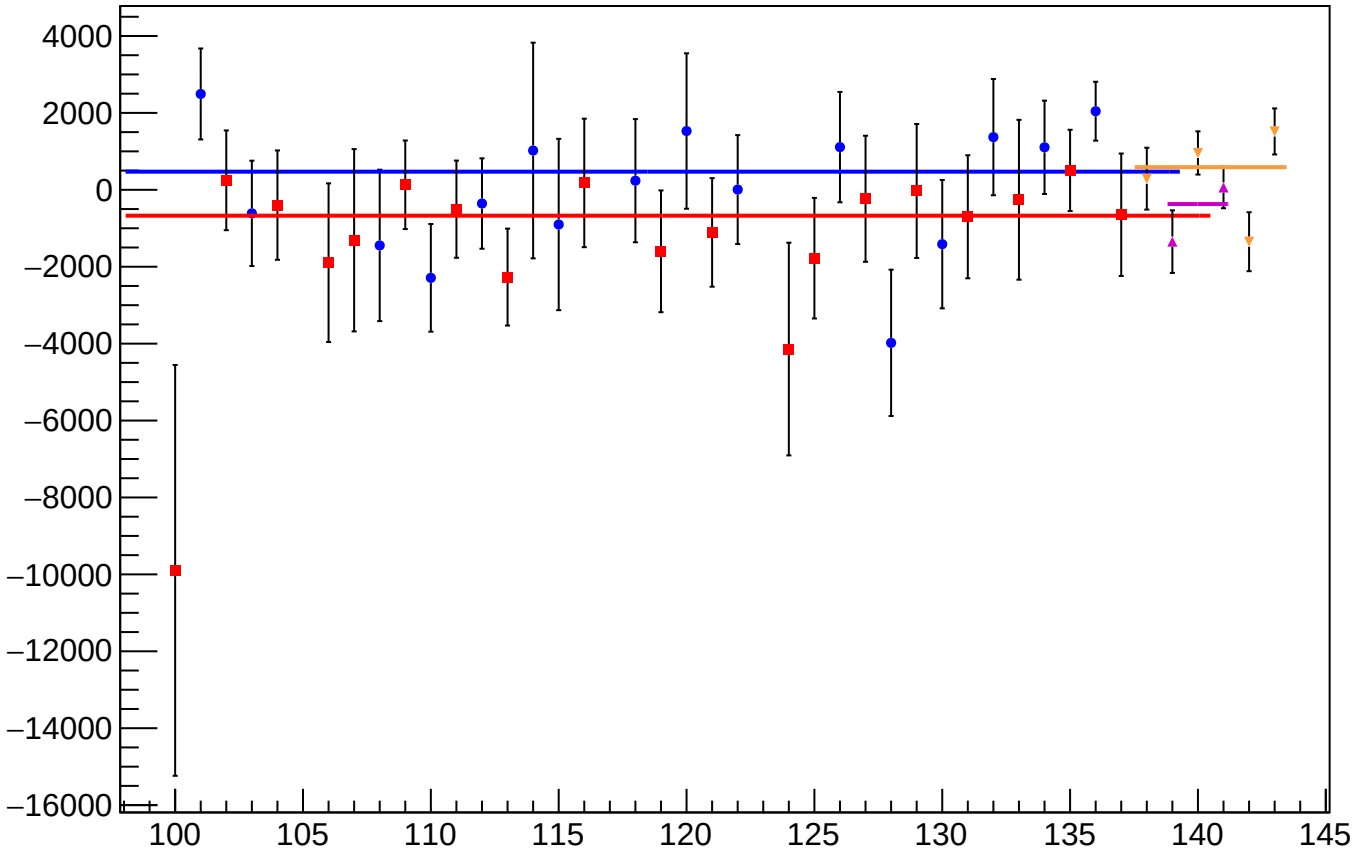
Left: 551.345+/-0.185 χ^2/NDF: 243862.8/5

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 788.485+/-0.195 χ^2/NDF:1375653.5/17

Out: 724.750+/-0.168 χ^2/NDF:1999764.1/22

All: 751.965+/-0.127 χ^2/NDF: 3436751.1/40



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 589.061+/-329.640 χ^2/NDF:9.4/3

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -369.695+/-450.084 χ^2/NDF:2.1/1

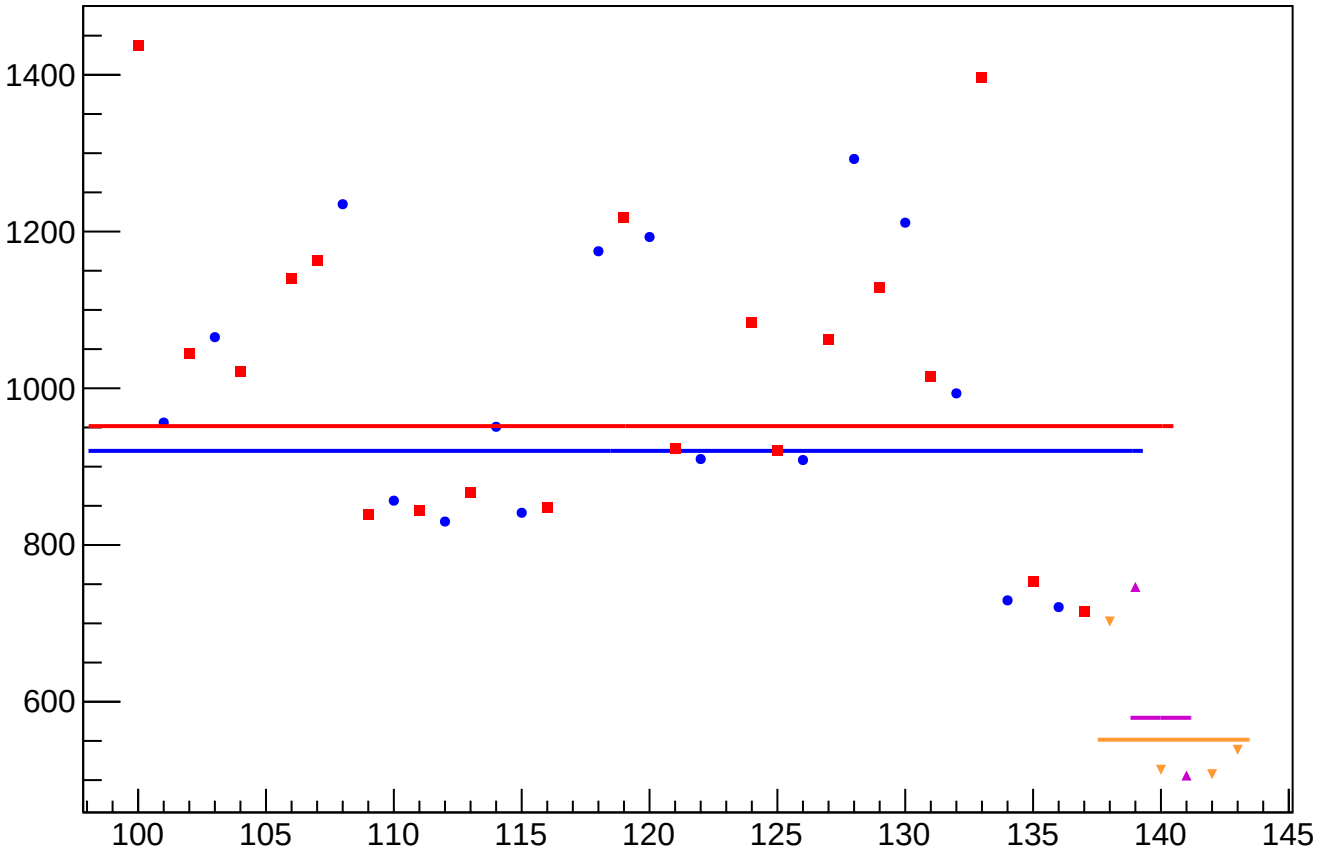
Left: 254.330+/-265.942 χ^2/NDF: 14.4/5

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 154.404+/-276.477 χ^2/NDF:25.7/17

Out: 4.066+/-241.405 χ^2/NDF:26.5/22

All: 69.100+/-181.843 χ^2/NDF: 52.4/40



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 551.568+/-0.233 χ^2/NDF:87098.4/3

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 579.508+/-0.318 χ^2/NDF:121401.8/1

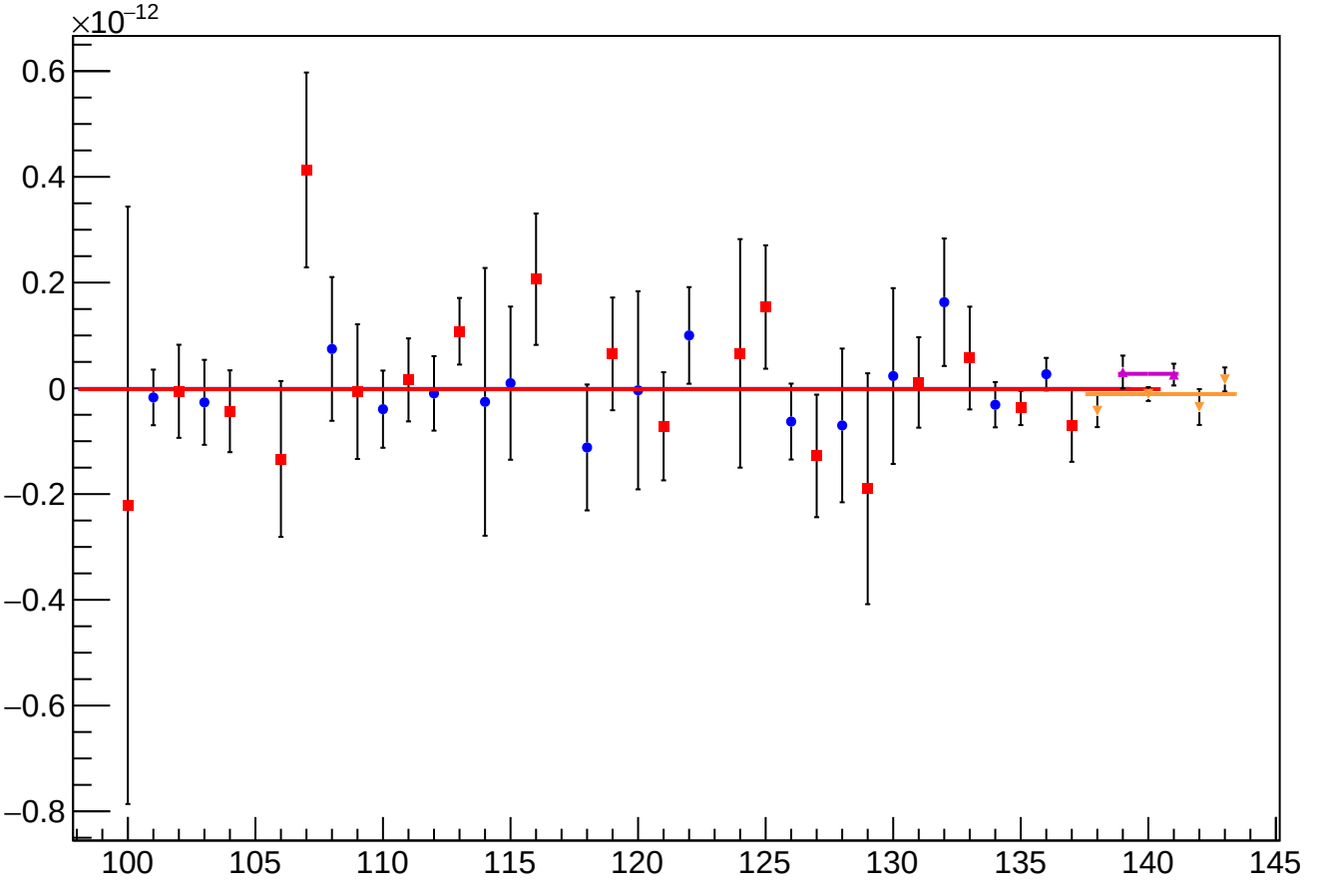
Left: 561.323+/-0.188 χ^2/NDF: 213516.7/5

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 791.597+/-0.195 χ^2/NDF:1343306.1/17

Out: 737.119+/-0.171 χ^2/NDF:1869823.5/22

All: 760.685+/-0.129 χ^2/NDF: 3257190.8/40



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:0.0/1

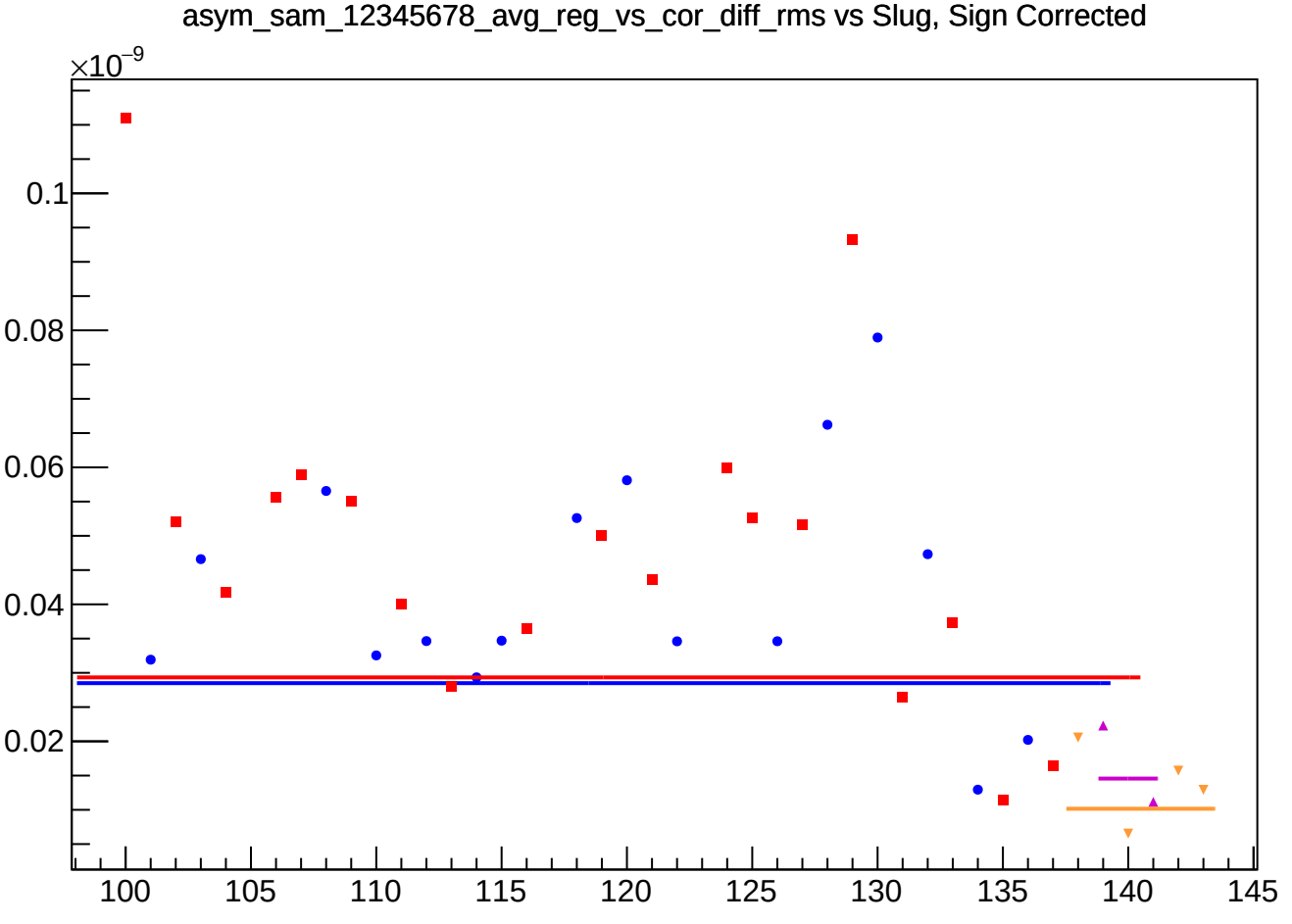
Left: -0.000+/-0.000 χ^2/NDF: 6.8/5

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:22.7/22

All: -0.000+/-0.000 χ^2/NDF: 33.2/40



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:464820.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:178784.1/1

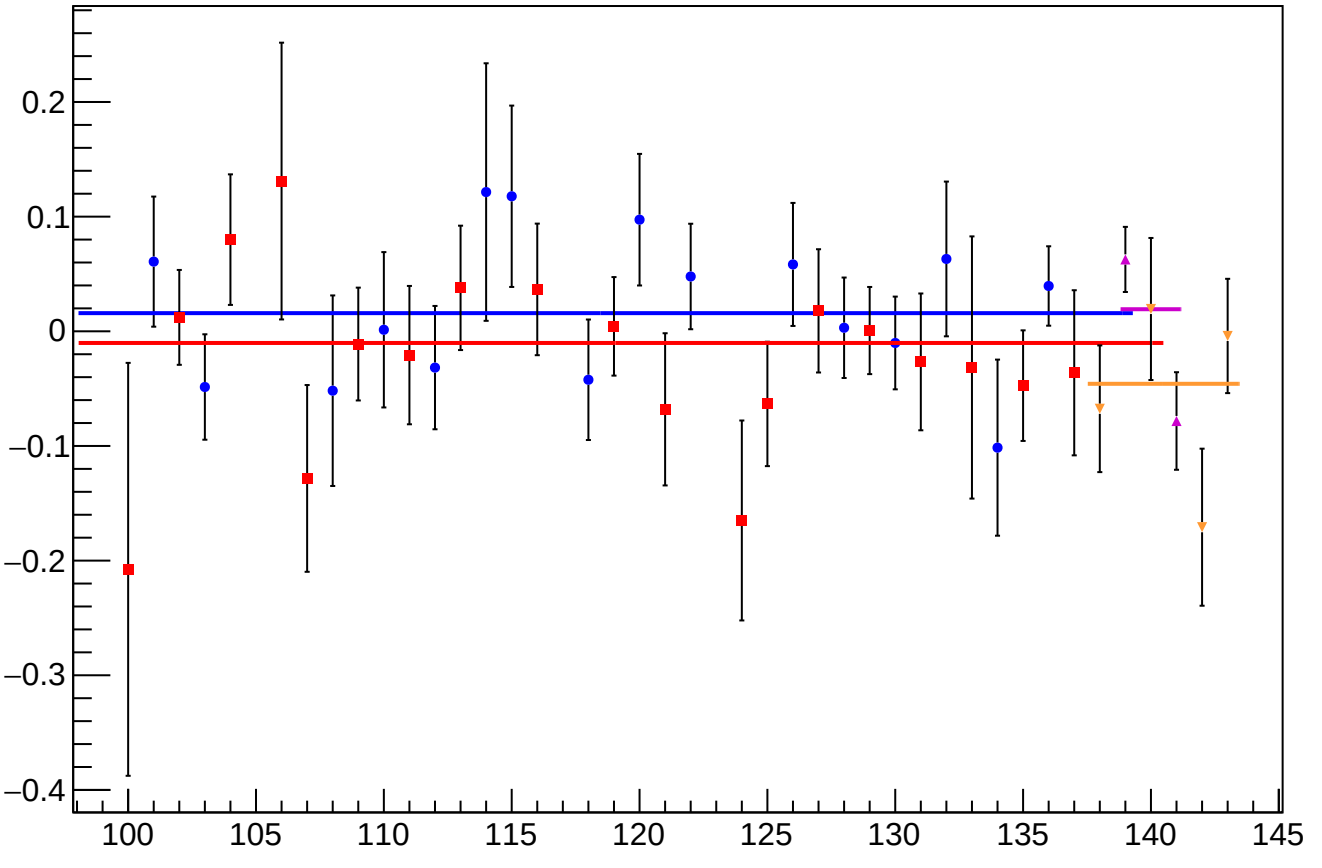
Left: 0.000+/-0.000 χ^2/NDF: 741139.1/5

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:3662126.6/22

All: 0.000+/-0.000 χ^2/NDF: 6050171.5/40



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

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+/-0.018 χ^2/NDF: 15.9/5

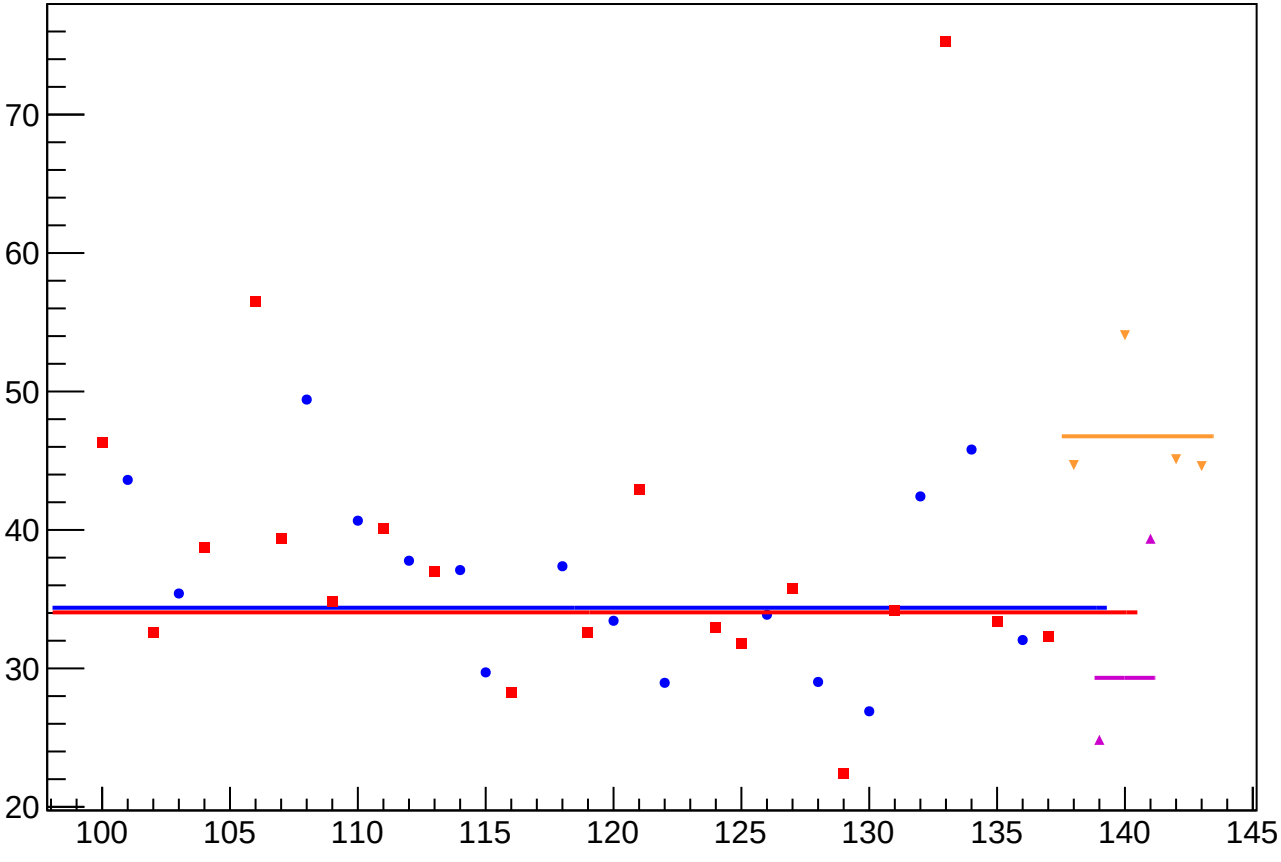
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.001+/-0.008 χ^2/NDF: 48.0/40

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 46.764+/-0.020 χ^2/NDF:35518.9/3

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: 36.328+/-0.013 χ^2/NDF: 635135.1/5

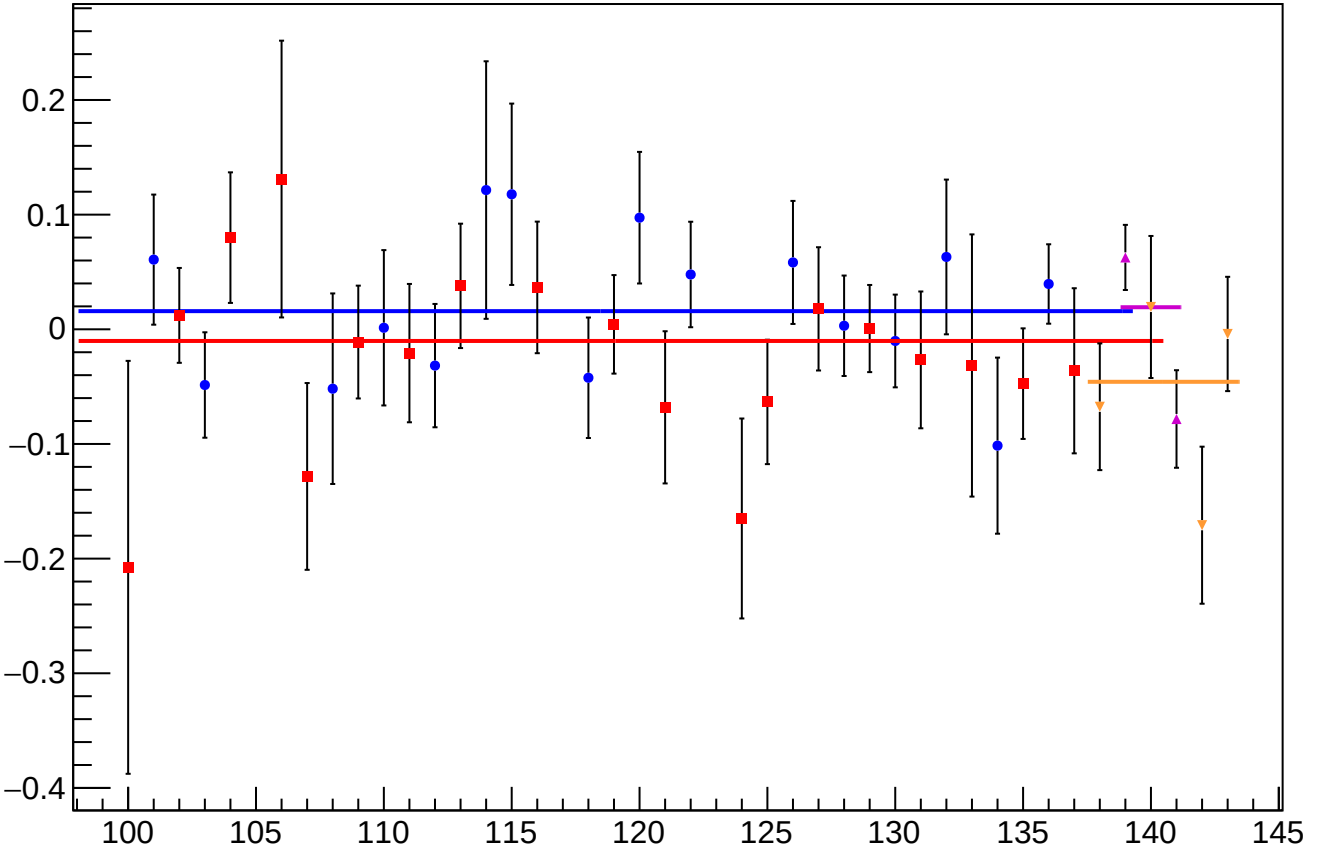
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.150+/-0.008 χ^2/NDF:598670.2/17

Out: 36.254+/-0.008 χ^2/NDF:1000021.9/22

All: 34.656+/-0.006 χ^2/NDF: 1667565.3/40

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: -0.046+/-0.029 χ^2/NDF:5.3/3

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+/-0.018 χ^2/NDF: 15.9/5

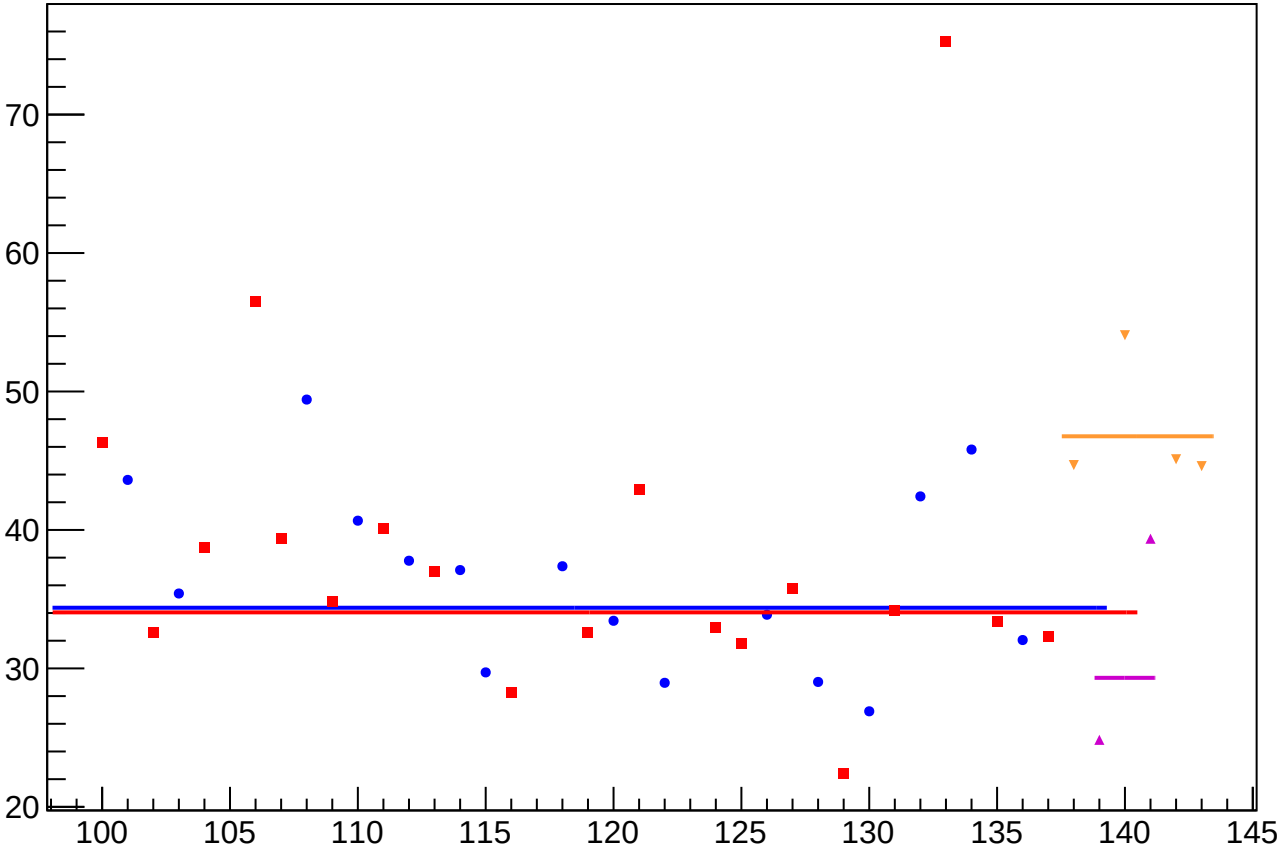
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.001+/-0.008 χ^2/NDF: 48.0/40

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: 46.764+/-0.020 χ^2/NDF:35518.9/3

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 29.319+/-0.017 χ^2/NDF:161263.9/1

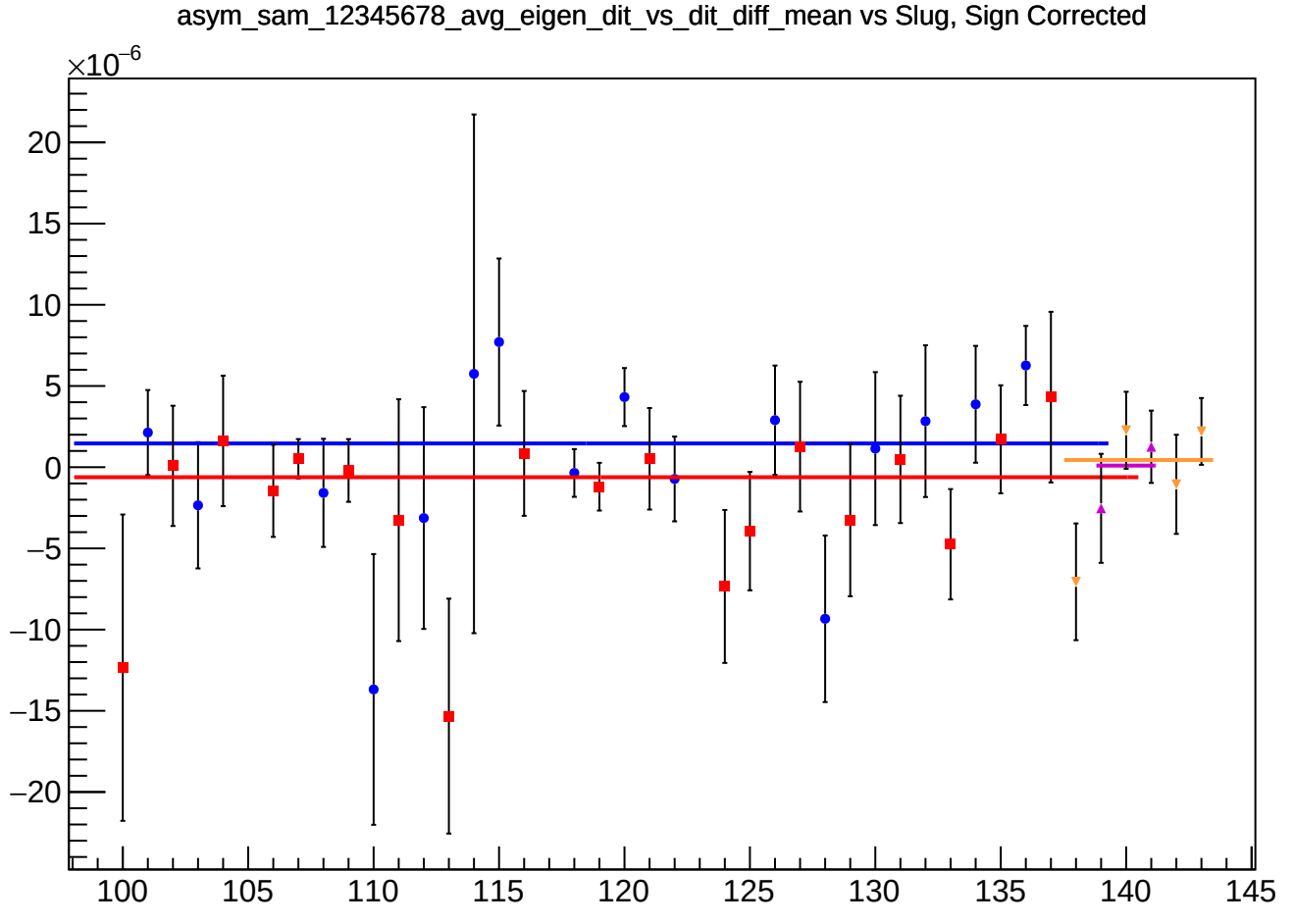
Left: 36.328+/-0.013 χ^2/NDF: 635135.1/5

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.150+/-0.008 χ^2/NDF:598670.2/17

Out: 36.254+/-0.008 χ^2/NDF:1000021.9/22

All: 34.656+/-0.006 χ^2/NDF: 1667565.3/40



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

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: 6.8/5

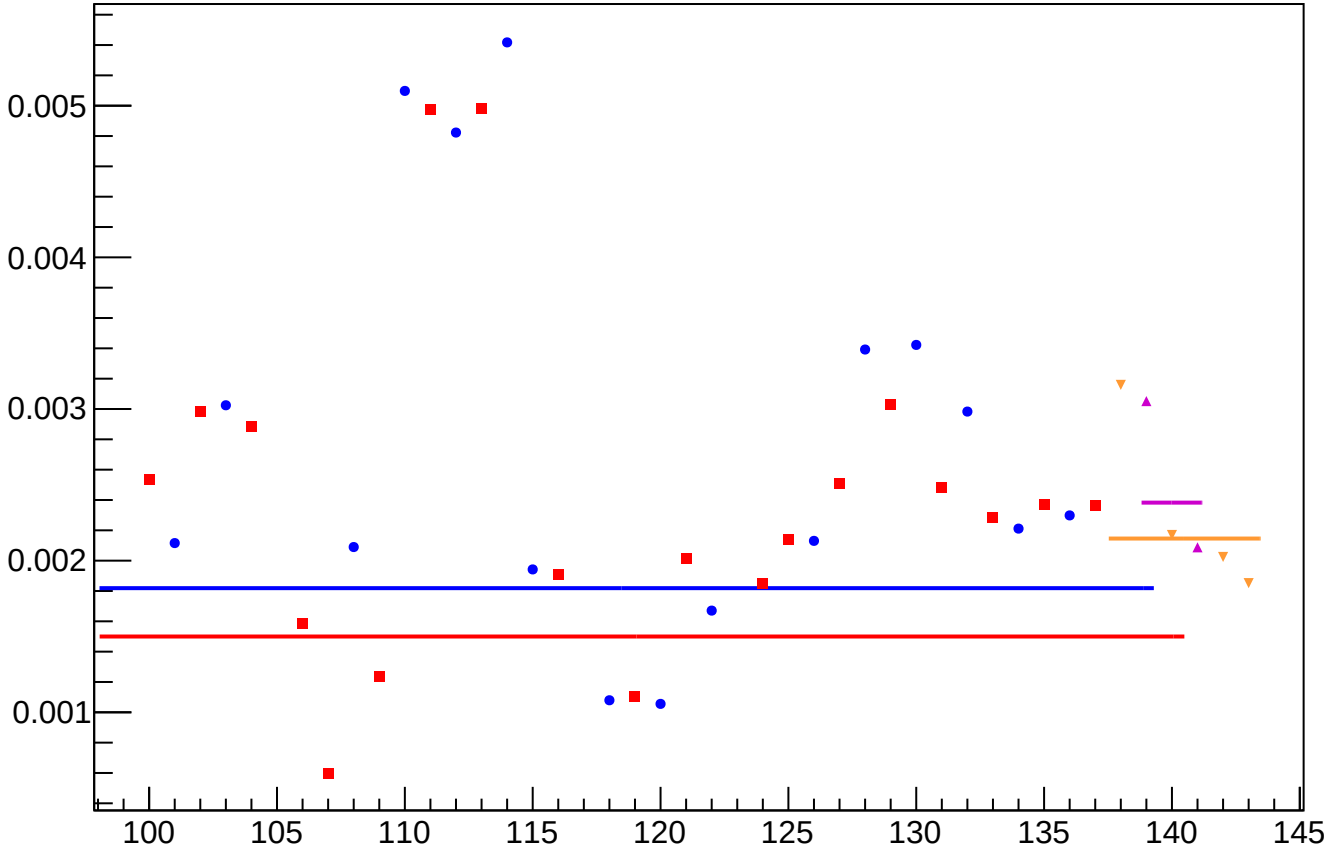
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/17

Out: -0.000+/-0.000 χ^2/NDF:20.4/22

All: 0.000+/-0.000 χ^2/NDF: 46.1/40

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:203248.1/3

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: 339902.0/5

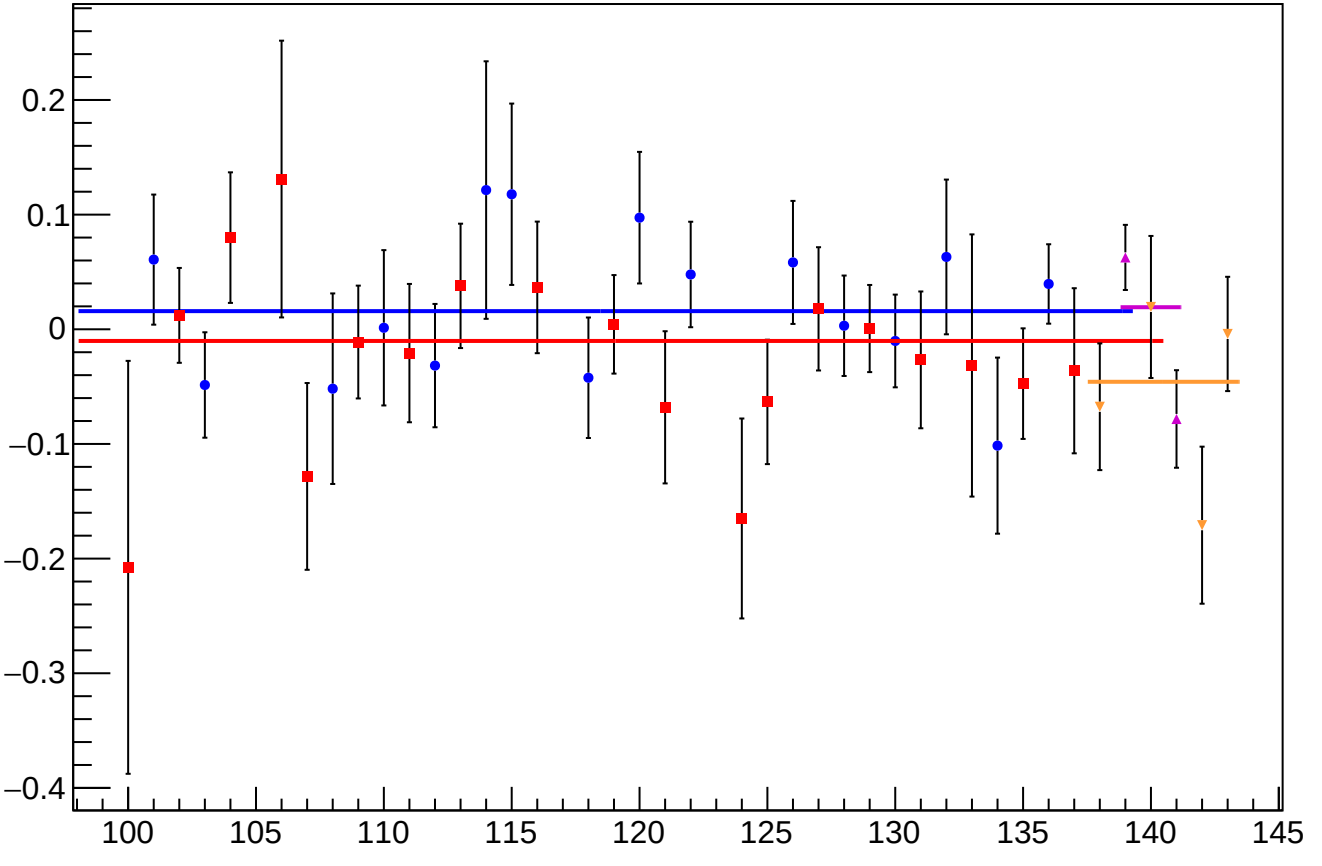
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2843712.6/17

Out: 0.002+/-0.000 χ^2/NDF:4292739.0/22

All: 0.002+/-0.000 χ^2/NDF: 7313193.3/40

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: -0.046+/-0.029 χ^2/NDF:5.3/3

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.019+/-0.024 χ^2/NDF:7.6/1

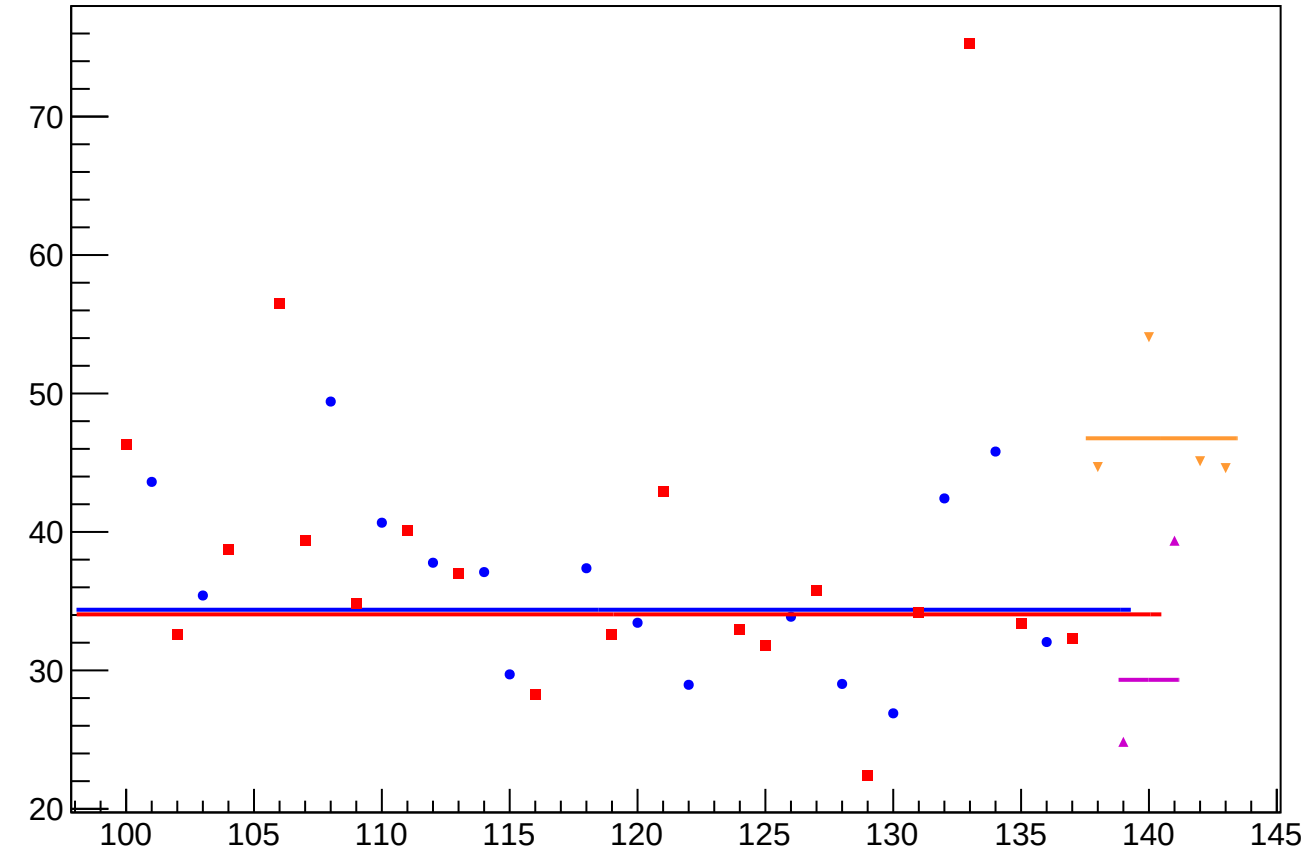
Left: -0.007+/-0.018 χ^2/NDF: 15.9/5

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.001+/-0.008 χ^2/NDF: 48.0/40



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 46.764+/-0.020 χ^2/NDF:35522.0/3

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 29.319+/-0.017 χ^2/NDF:161266.8/1

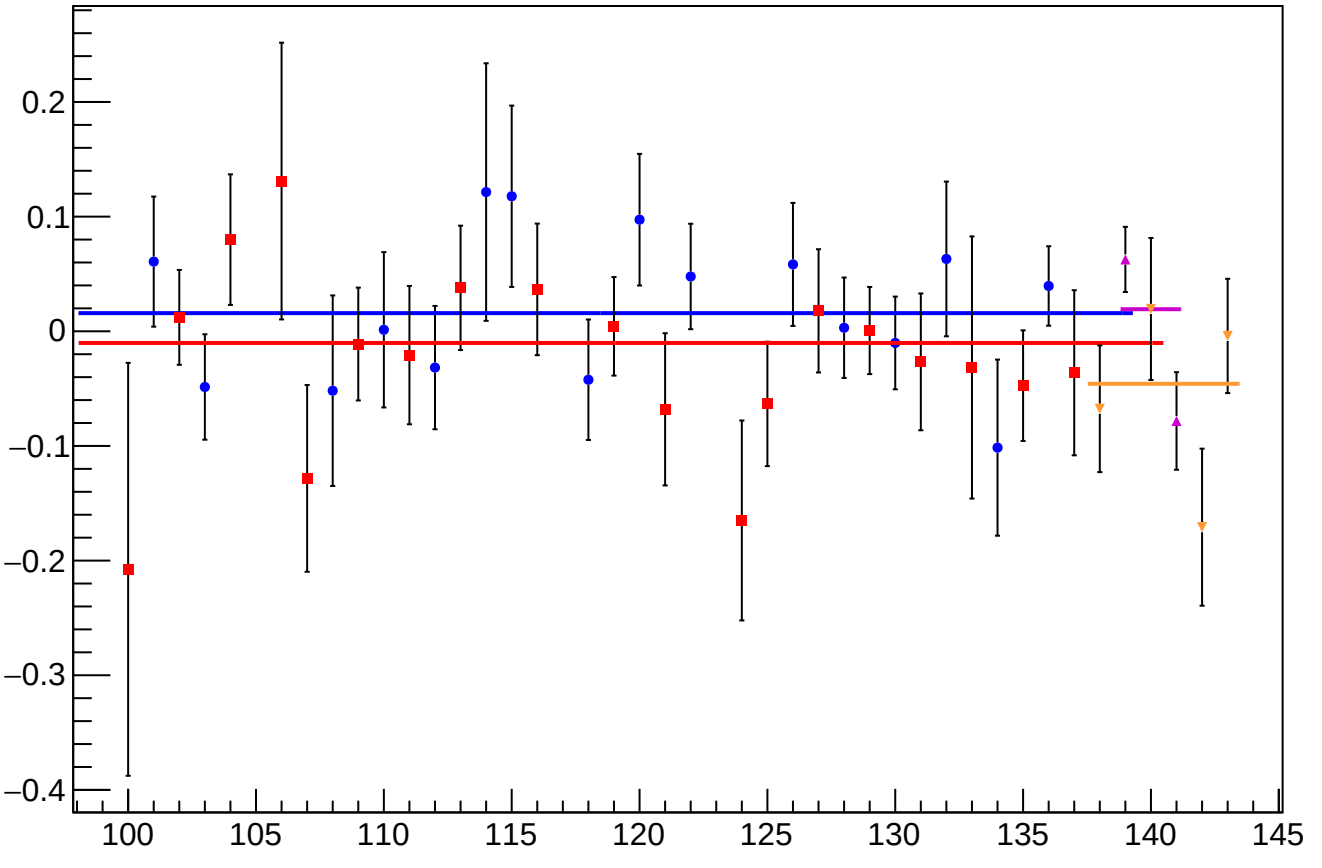
Left: 36.329+/-0.013 χ^2/NDF: 635133.8/5

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.149+/-0.008 χ^2/NDF:598702.8/17

Out: 36.254+/-0.008 χ^2/NDF:1000104.8/22

All: 34.655+/-0.006 χ^2/NDF: 1667682.3/40



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.046+/-0.029 χ^2/NDF:5.3/3

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+/-0.018 χ^2/NDF: 15.9/5

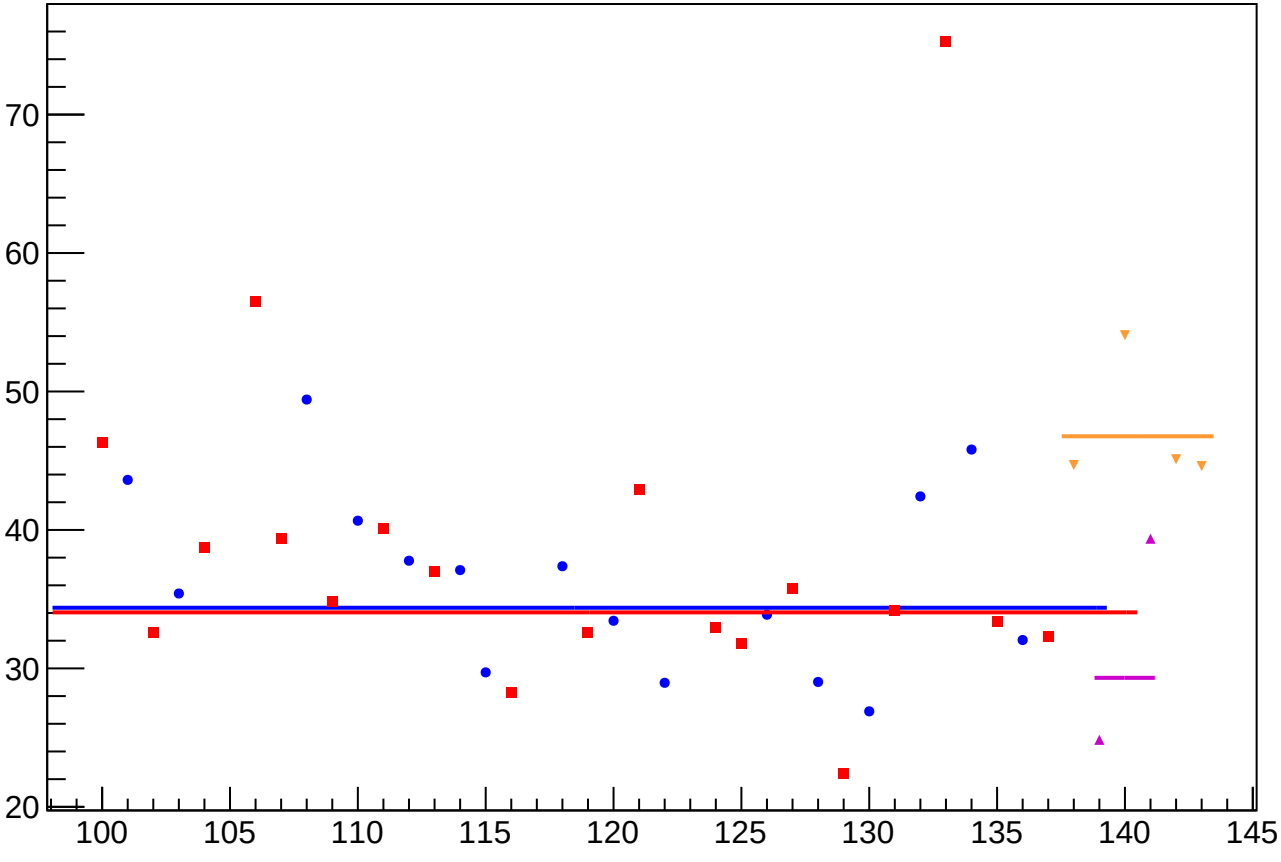
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.017+/-0.012 χ^2/NDF:22.4/17

Out: -0.016+/-0.012 χ^2/NDF:21.7/22

All: 0.001+/-0.008 χ^2/NDF: 48.0/40

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: 46.764+/-0.020 χ^2/NDF:35522.0/3

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: 36.329+/-0.013 χ^2/NDF: 635133.8/5

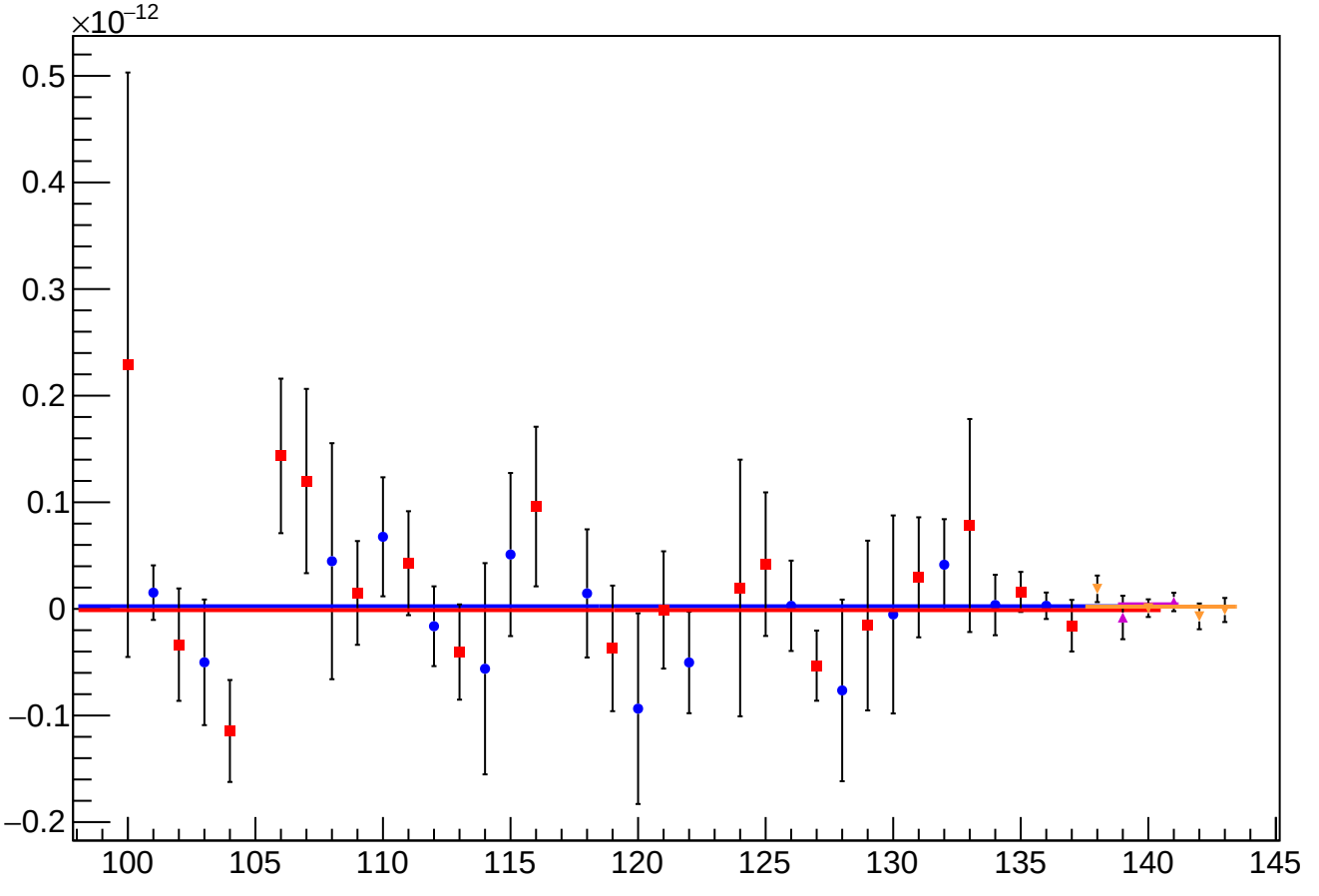
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.149+/-0.008 χ^2/NDF:598702.8/17

Out: 36.254+/-0.008 χ^2/NDF:1000104.8/22

All: 34.655+/-0.006 χ^2/NDF: 1667682.3/40

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:2.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/1

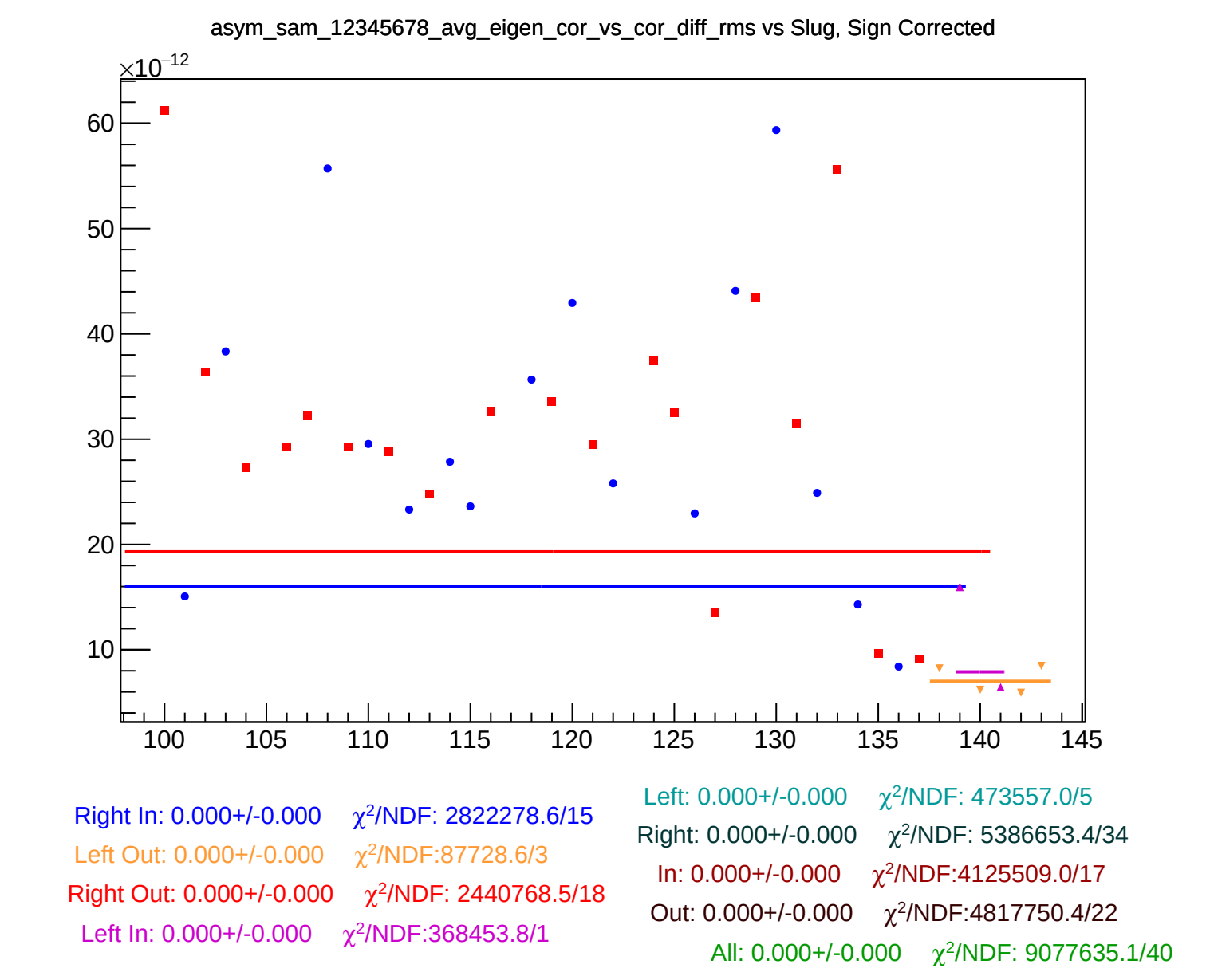
Left: 0.000+/-0.000 χ^2/NDF: 3.0/5

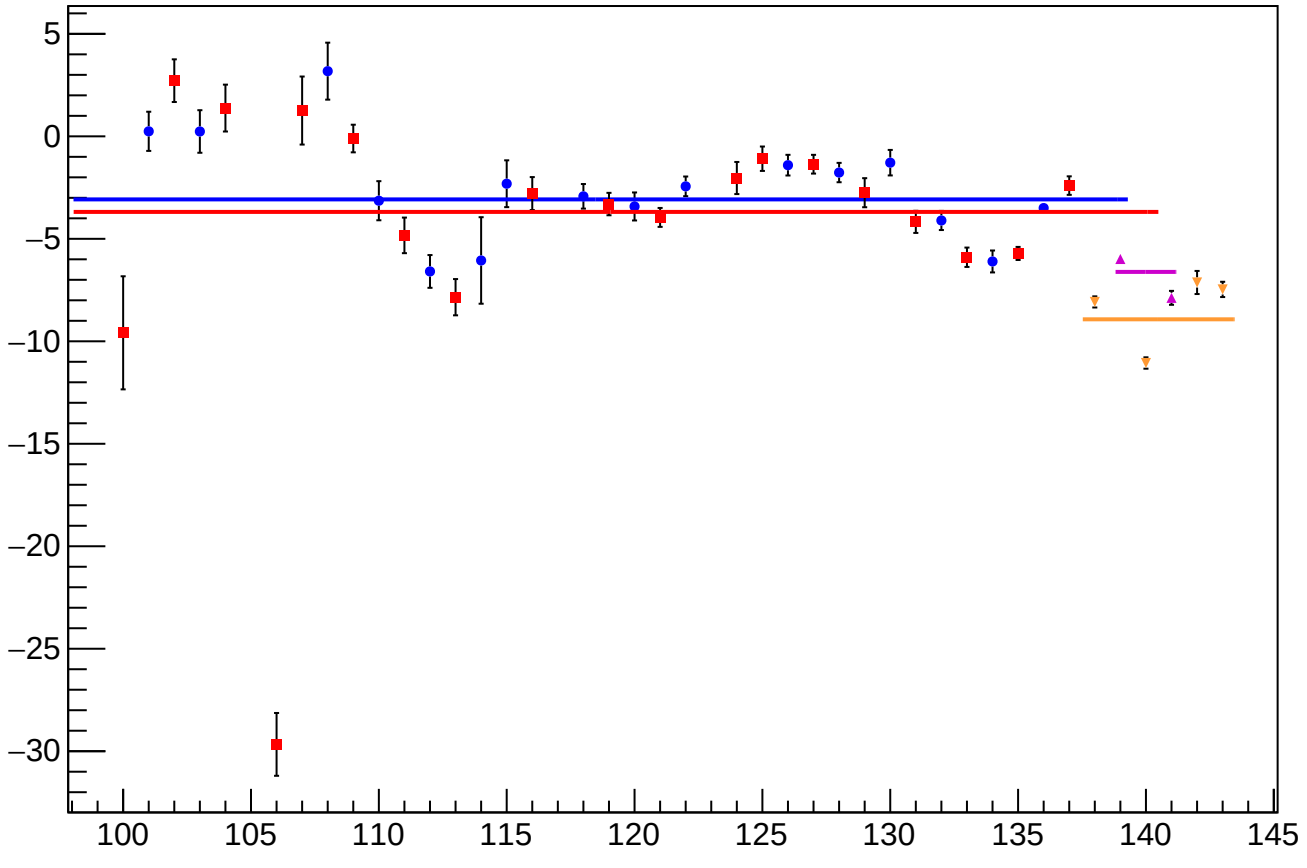
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:8.1/17

Out: 0.000+/-0.000 χ^2/NDF:24.1/22

All: 0.000+/-0.000 χ^2/NDF: 32.3/40


asym_sam_12345678_avg_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
145
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:87728.6/3
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:368453.8/1
Left: 0.000+/-0.000 χ²/NDF: 473557.0/5
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4125509.0/17
Out: 0.000+/-0.000 χ²/NDF:4817750.4/22
All: 0.000+/-0.000 χ²/NDF: 9077635.1/40



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.928+/-0.165 χ^2/NDF:94.2/3

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.614+/-0.196 χ^2/NDF:20.8/1

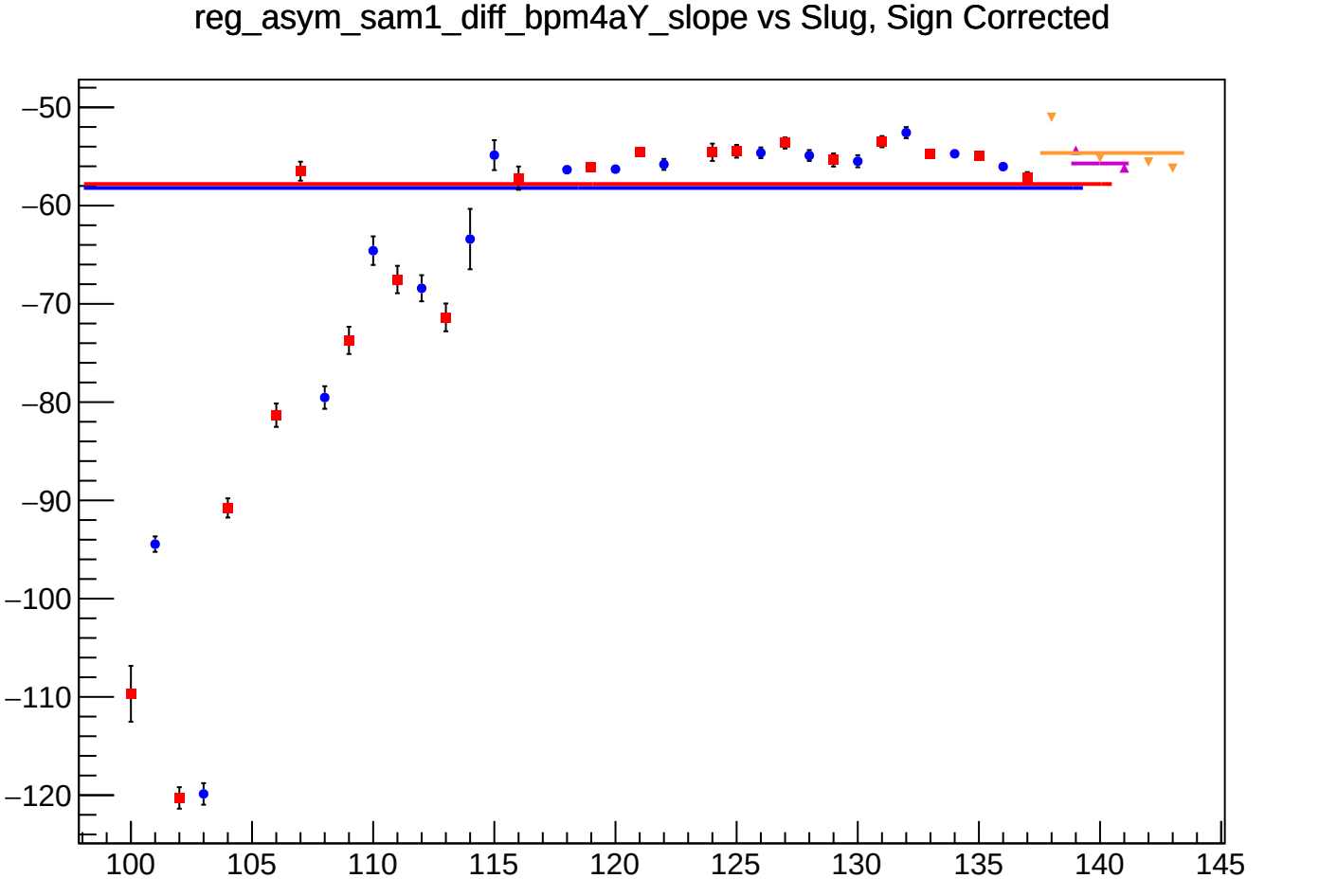
Left: -7.971+/-0.126 χ^2/NDF: 196.6/5

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.217+/-0.111 χ^2/NDF:375.2/17

Out: -5.889+/-0.107 χ^2/NDF:1216.1/22

All: -5.088+/-0.077 χ^2/NDF: 1708.8/40



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.643+/-0.143 χ^2/NDF:177.5/3

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.712+/-0.217 χ^2/NDF:13.1/1

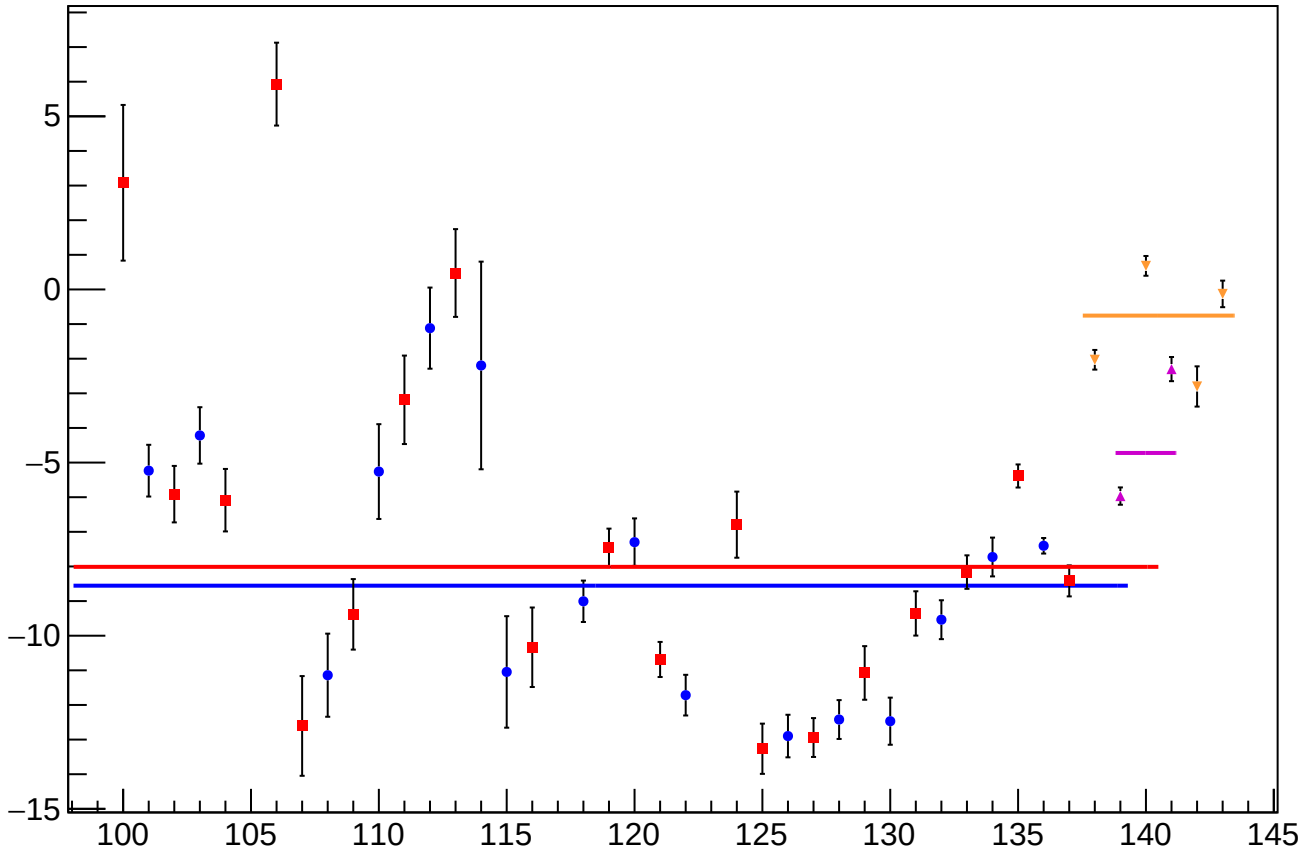
Left: -54.966+/-0.119 χ^2/NDF: 207.5/5

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.507+/-0.115 χ^2/NDF:6234.6/17

Out: -56.274+/-0.099 χ^2/NDF:6222.3/22

All: -56.801+/-0.075 χ^2/NDF: 12522.7/40



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -0.755+/-0.170 χ^2/NDF:60.6/3

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -4.722+/-0.203 χ^2/NDF:73.0/1

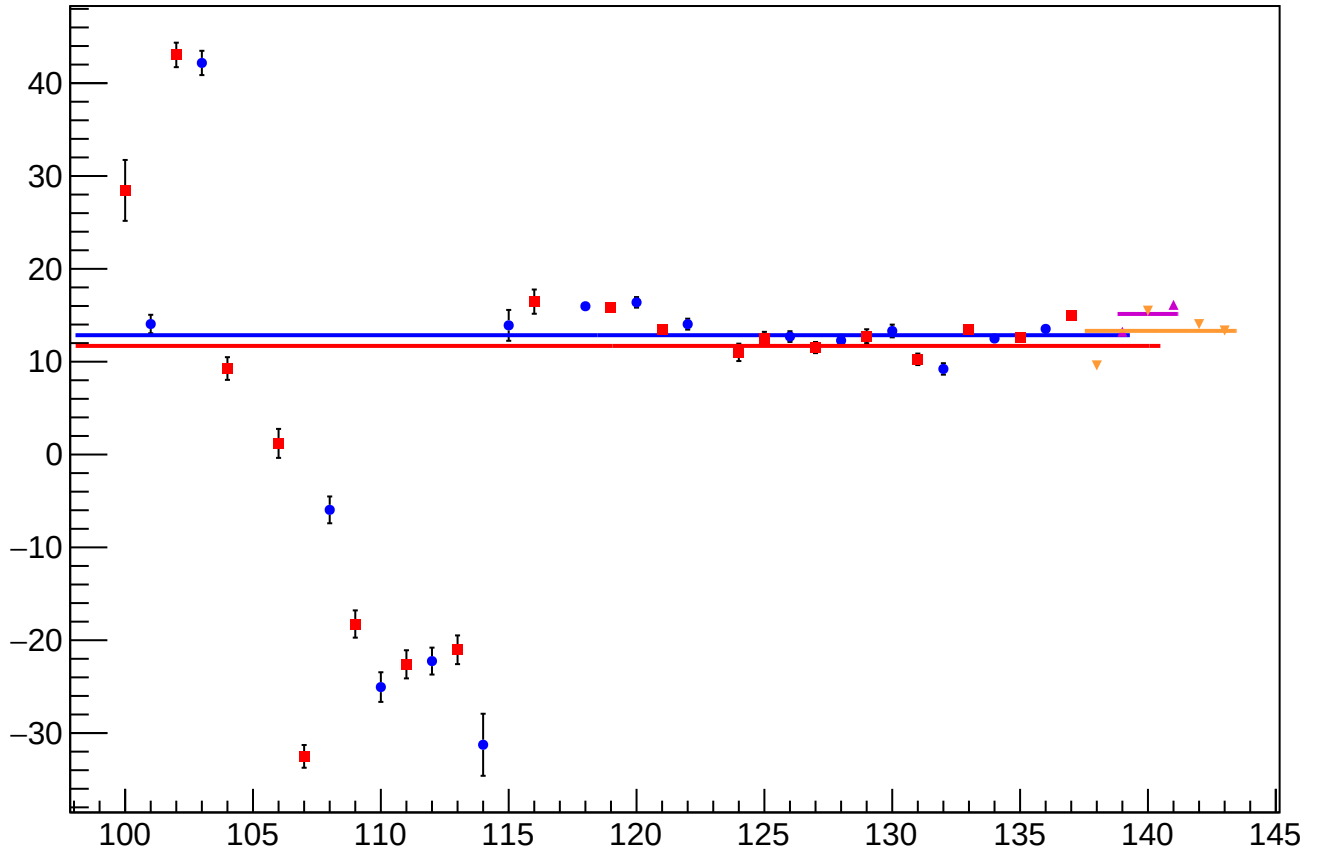
Left: -2.393+/-0.131 χ^2/NDF: 357.2/5

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.266+/-0.118 χ^2/NDF:609.7/17

Out: -4.775+/-0.114 χ^2/NDF:1553.9/22

All: -5.976+/-0.082 χ^2/NDF: 2394.7/40



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.319+/-0.167 χ^2/NDF:180.2/3

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 15.142+/-0.242 χ^2/NDF:32.2/1

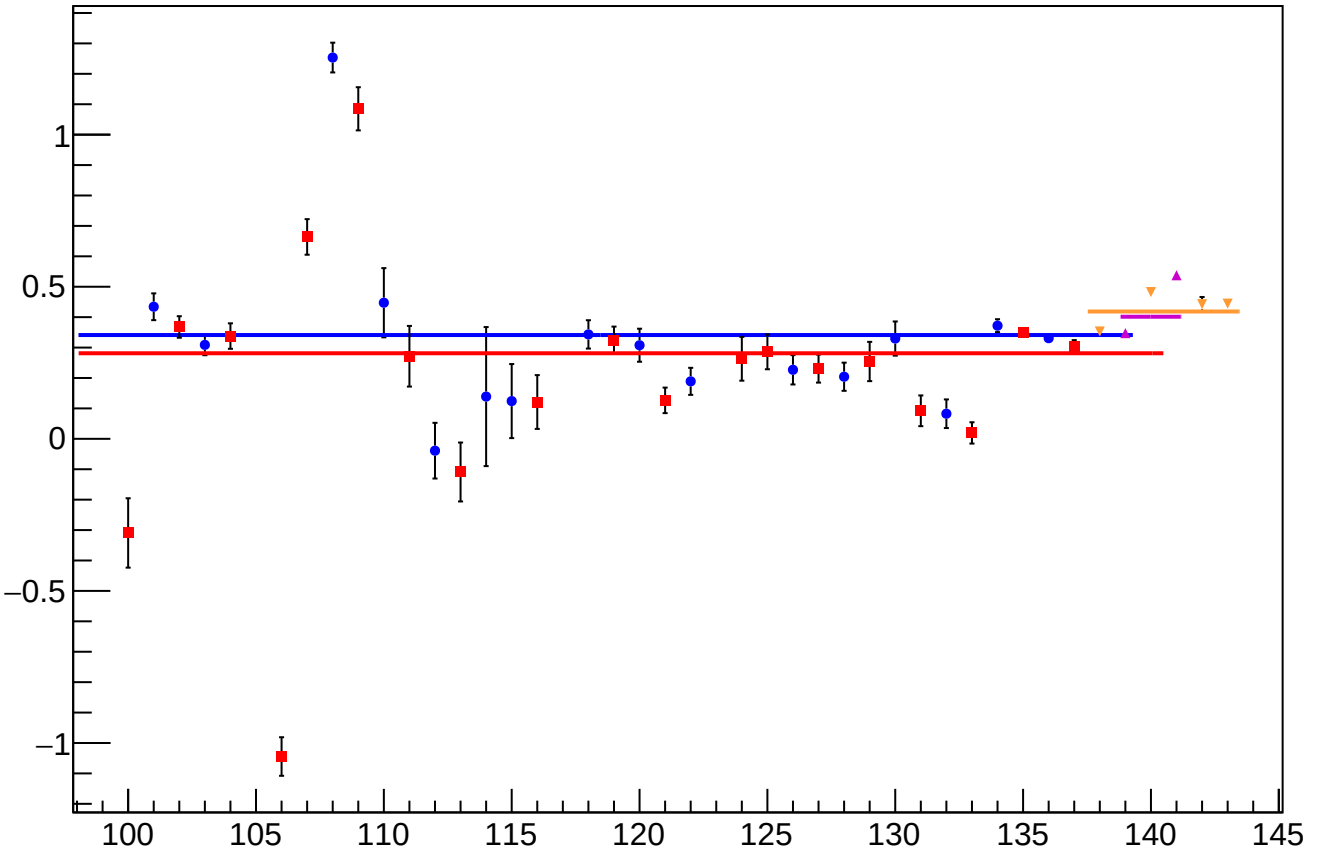
Left: 13.907+/-0.137 χ^2/NDF: 250.9/5

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.491+/-0.128 χ^2/NDF:2225.3/17

Out: 12.450+/-0.114 χ^2/NDF:3729.6/22

All: 12.910+/-0.085 χ^2/NDF: 5992.0/40



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.419+/-0.007 χ^2/NDF:65.1/3

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.401+/-0.008 χ^2/NDF:128.8/1

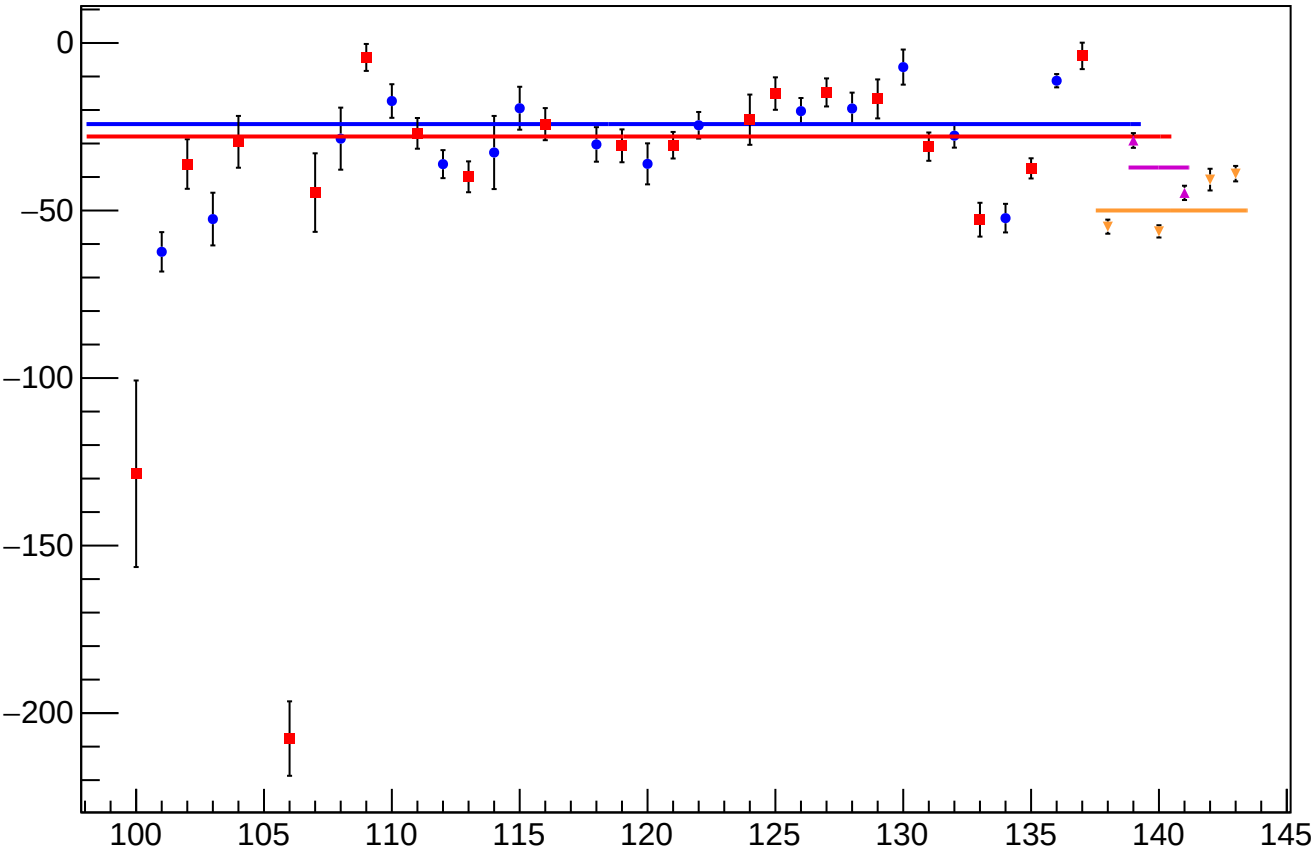
Left: 0.411+/-0.005 χ^2/NDF: 196.7/5

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.373+/-0.005 χ^2/NDF:594.0/17

Out: 0.363+/-0.005 χ^2/NDF:998.5/22

All: 0.368+/-0.004 χ^2/NDF: 1594.1/40



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.988+/-1.114 χ^2/NDF:47.6/3

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -37.165+/-1.533 χ^2/NDF:26.0/1

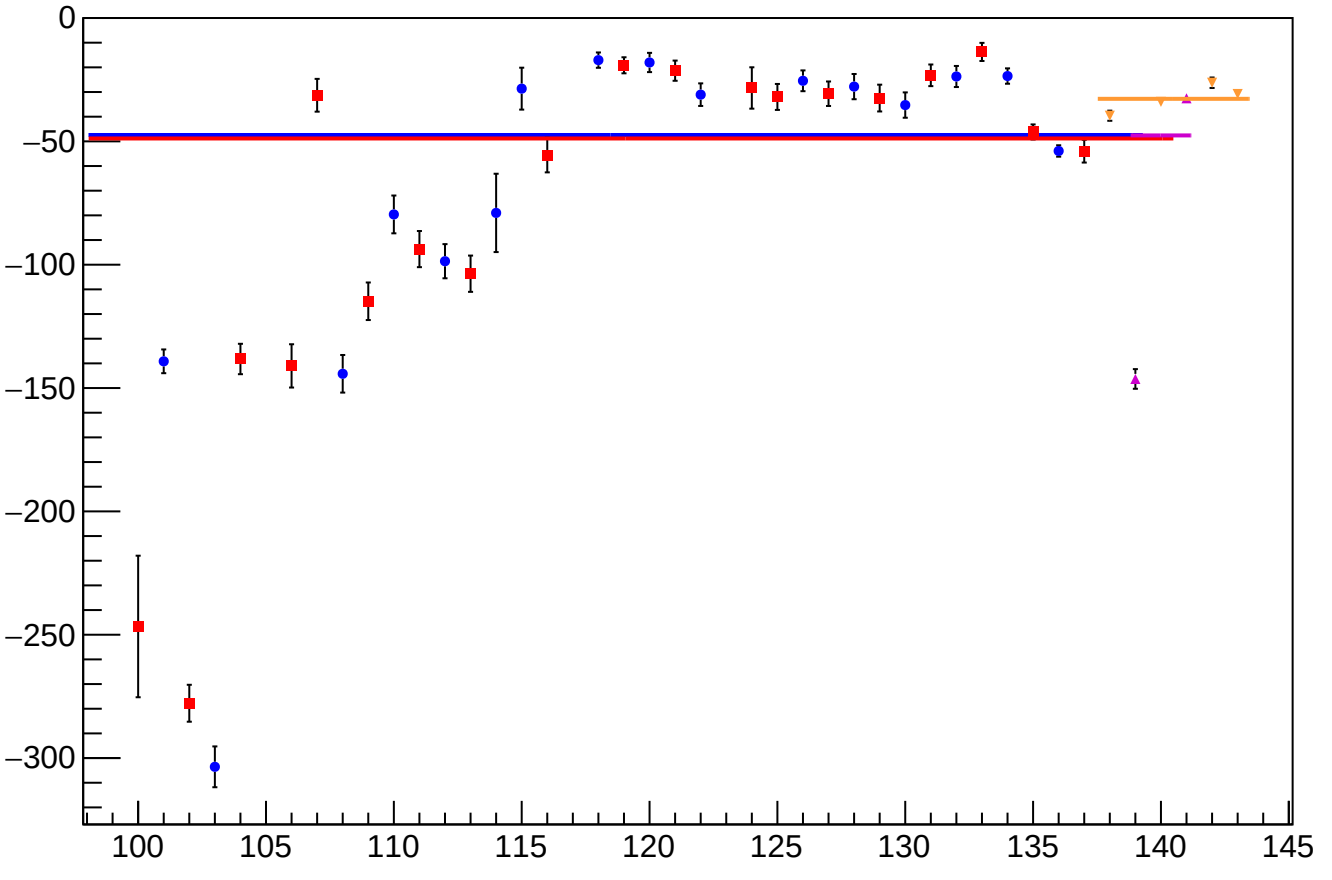
Left: -45.556+/-0.901 χ^2/NDF: 119.4/5

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -28.538+/-0.886 χ^2/NDF:244.3/17

Out: -39.173+/-0.796 χ^2/NDF:653.5/22

All: -34.427+/-0.592 χ^2/NDF: 977.5/40



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -32.760+/-0.894 χ^2/NDF:22.6/3

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -47.596+/-1.450 χ^2/NDF:707.1/1

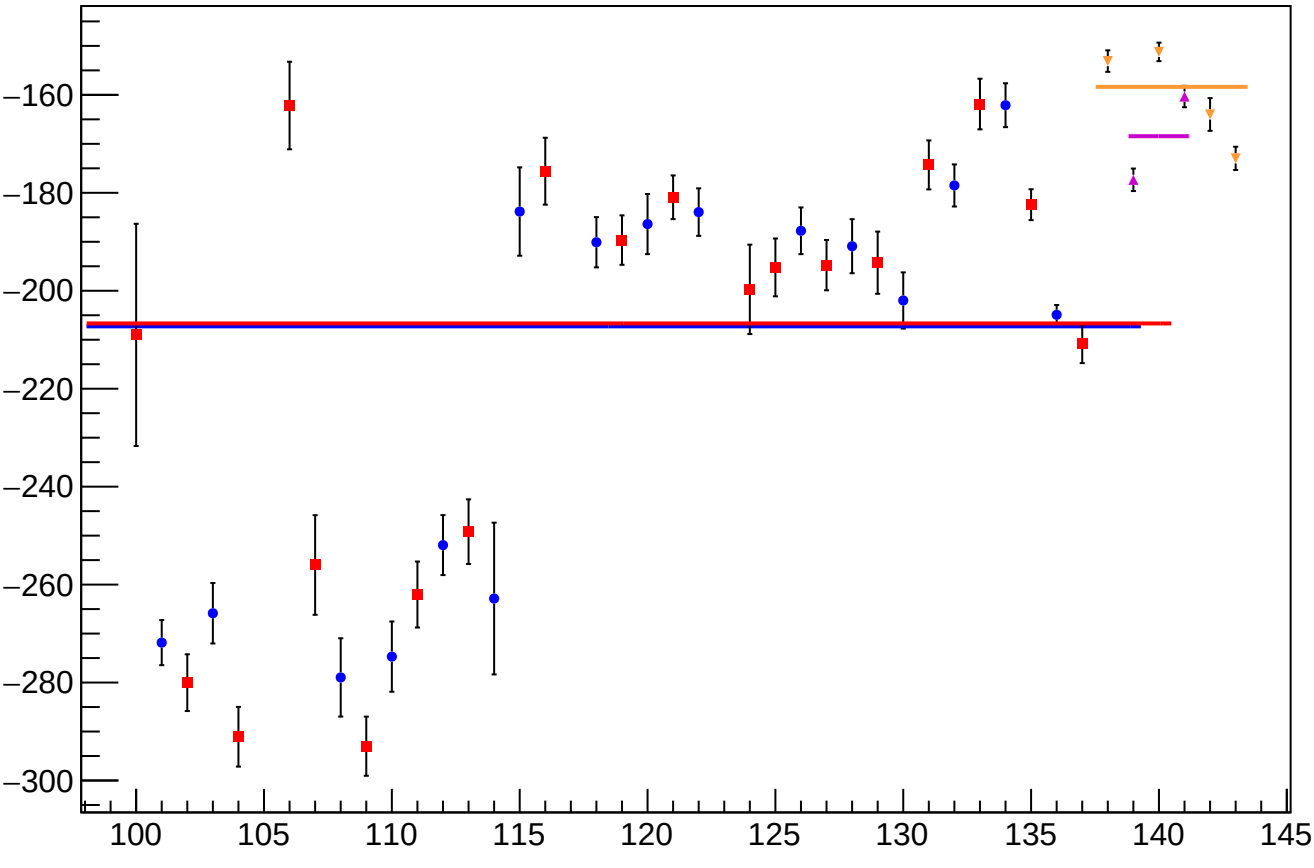
Left: -36.845+/-0.761 χ^2/NDF: 805.5/5

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -47.485+/-0.877 χ^2/NDF:2580.6/17

Out: -38.602+/-0.713 χ^2/NDF:1914.8/22

All: -42.138+/-0.553 χ^2/NDF: 4557.1/40



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -158.370+/-1.150 χ^2/NDF:60.8/3

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -168.441+/-1.584 χ^2/NDF:28.7/1

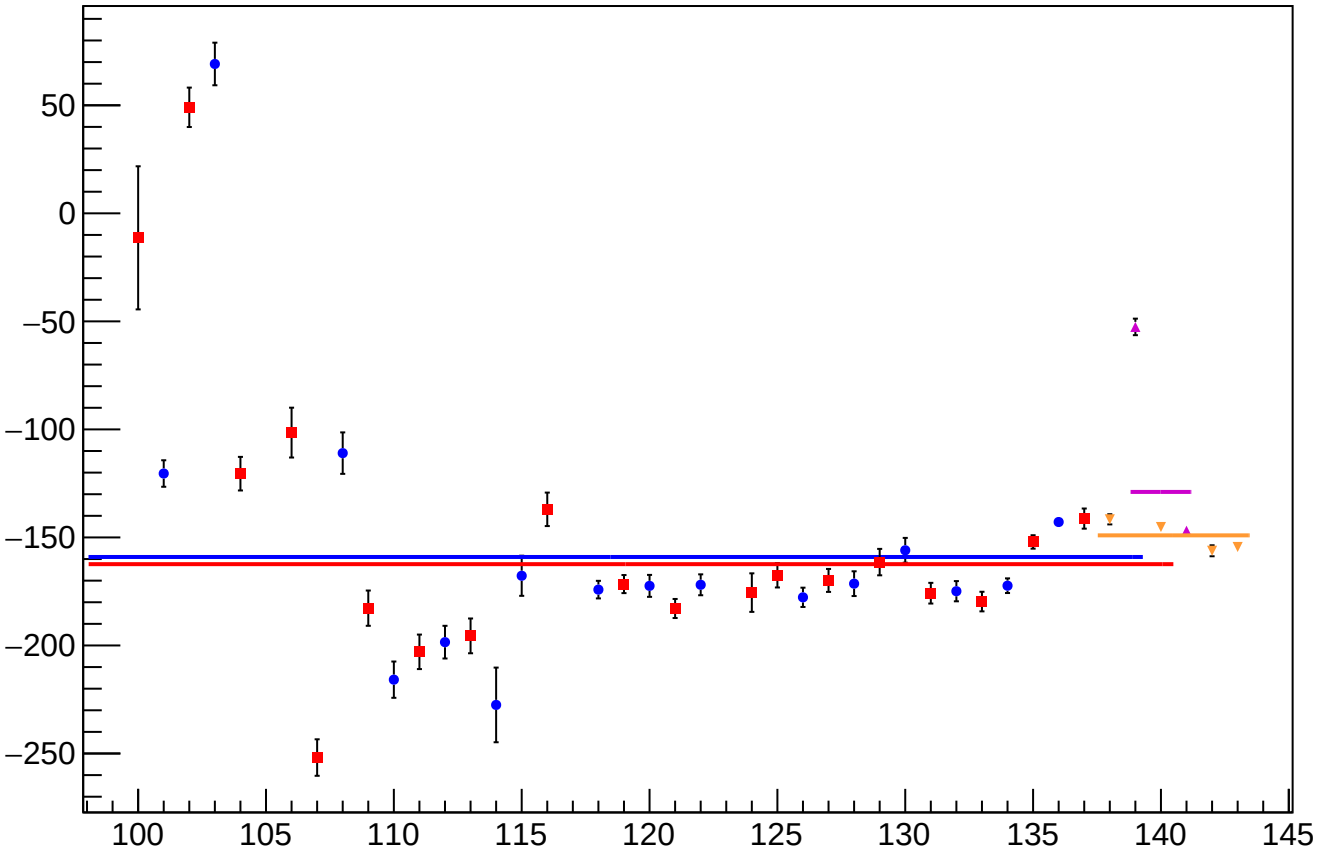
Left: -161.847+/-0.931 χ^2/NDF: 116.0/5

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -193.437+/-0.945 χ^2/NDF:1163.9/17

Out: -179.963+/-0.855 χ^2/NDF:1818.3/22

All: -186.028+/-0.634 χ^2/NDF: 3093.9/40



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.041+/-1.060 χ^2/NDF:29.7/3

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -128.940+/-1.668 χ^2/NDF:492.9/1

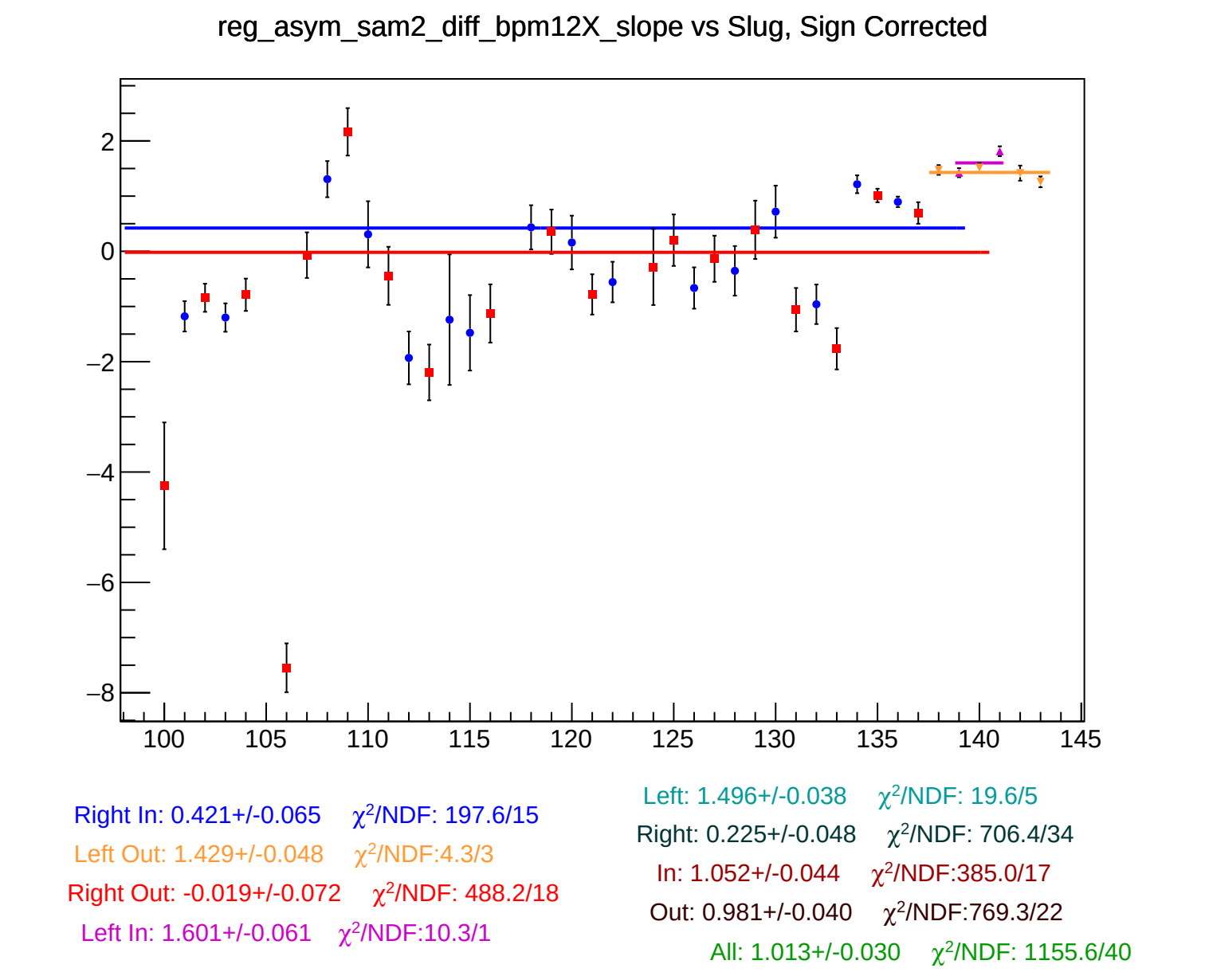
Left: -143.260+/-0.895 χ^2/NDF: 626.1/5

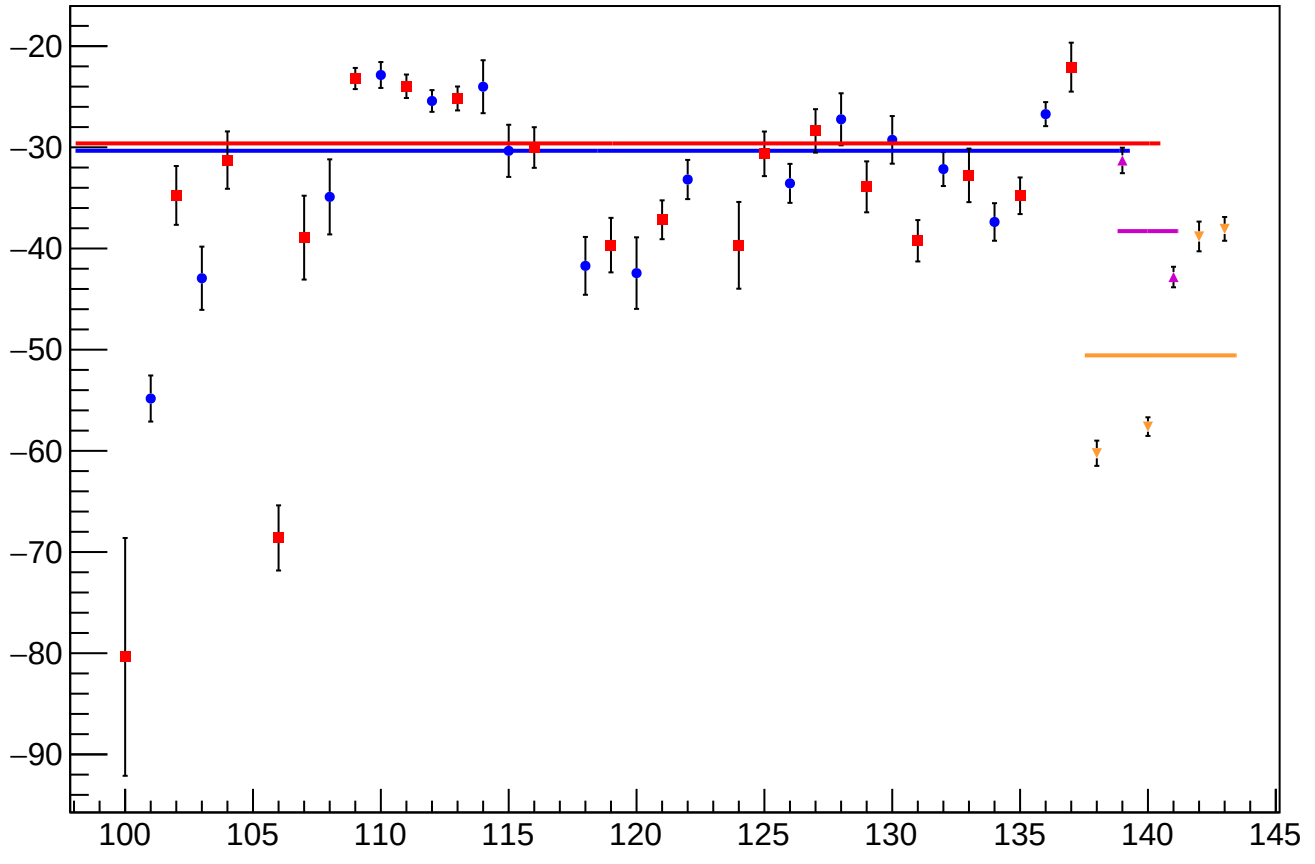
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.495+/-0.988 χ^2/NDF:1520.3/17

Out: -154.246+/-0.827 χ^2/NDF:964.0/22

All: -151.874+/-0.634 χ^2/NDF: 2504.2/40


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
105
110
115
120
125
130
135
140
145
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.429+/-0.048 χ²/NDF:4.3/3
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.601+/-0.061 χ²/NDF:10.3/1
Left: 1.496+/-0.038 χ²/NDF: 19.6/5
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.052+/-0.044 χ²/NDF:385.0/17
Out: 0.981+/-0.040 χ²/NDF:769.3/22
All: 1.013+/-0.030 χ²/NDF: 1155.6/40



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -50.562+/-0.576 χ^2/NDF:296.0/3

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -38.281+/-0.790 χ^2/NDF:50.8/1

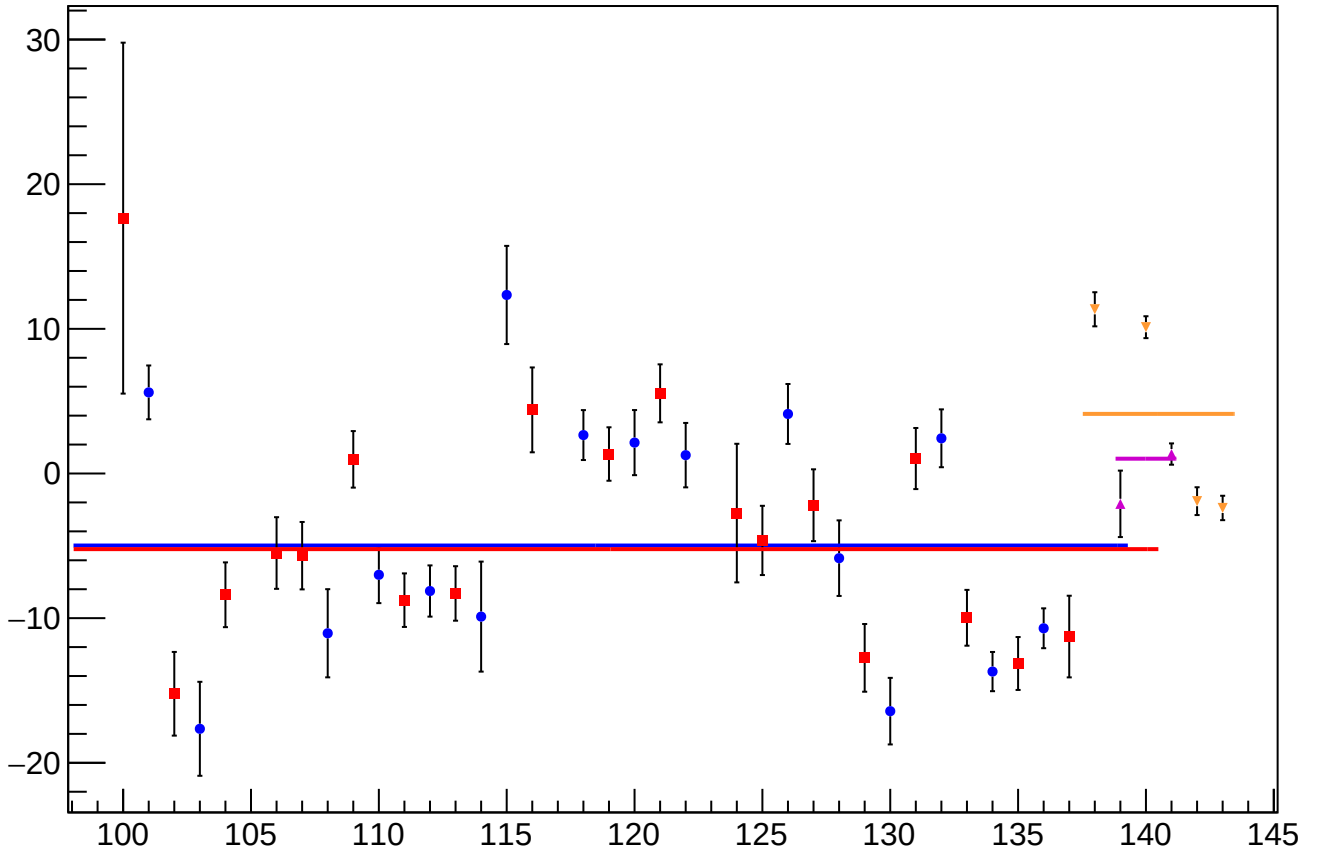
Left: -46.296+/-0.466 χ^2/NDF: 504.5/5

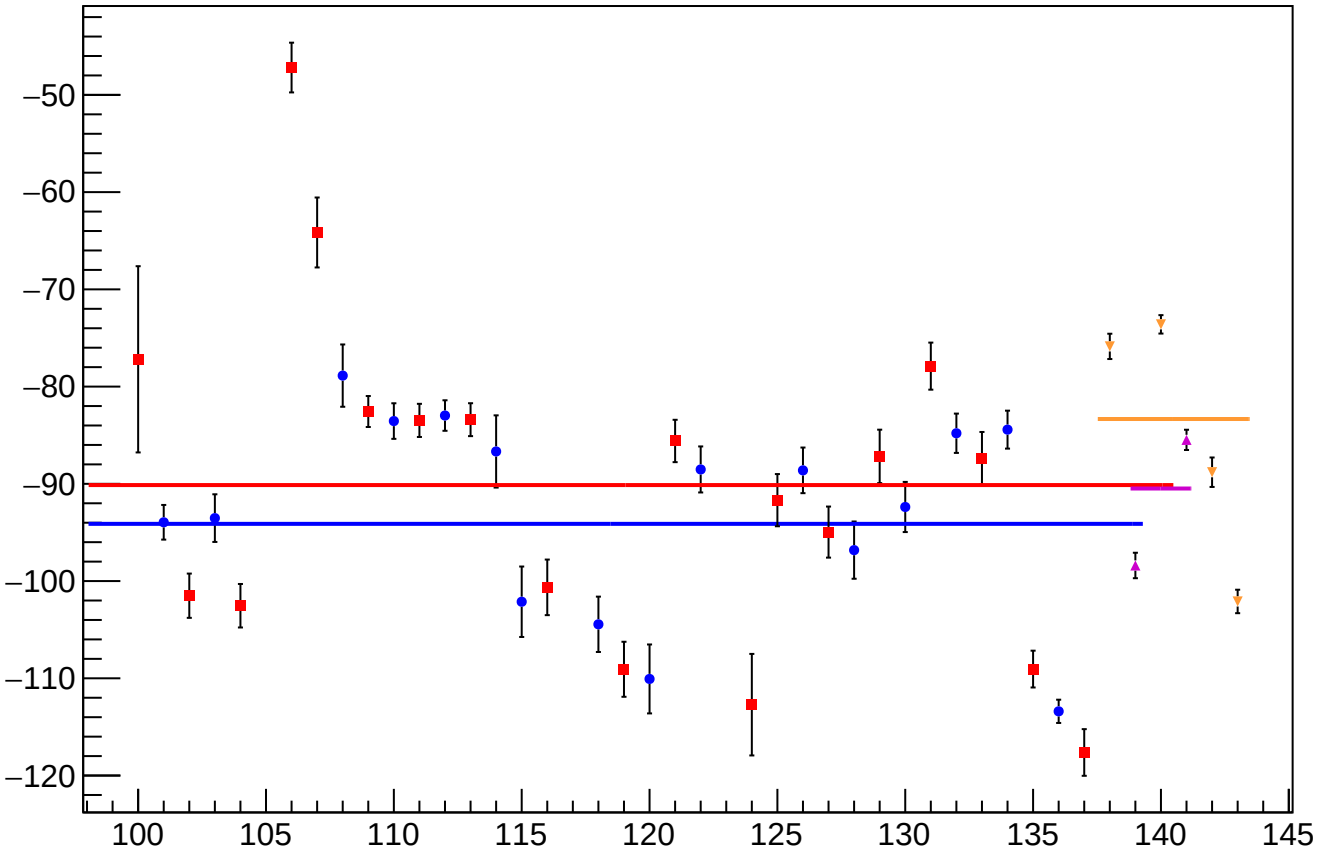
Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -32.403+/-0.403 χ^2/NDF:379.1/17

Out: -37.557+/-0.355 χ^2/NDF:1445.4/22

All: -35.303+/-0.266 χ^2/NDF: 1916.8/40


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
105
110
115
120
125
130
135
140
145
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: 4.121+/-0.449 χ²/NDF:199.2/3
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: 1.024+/-0.701 χ²/NDF:2.0/1
Left: 3.219+/-0.378 χ²/NDF: 215.1/5
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -2.904+/-0.412 χ²/NDF:287.3/17
Out: 0.157+/-0.341 χ²/NDF:519.3/22
All: -1.087+/-0.263 χ²/NDF: 839.3/40



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -83.333+/-0.595 χ^2/NDF:393.4/3

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -90.481+/-0.815 χ^2/NDF:59.6/1

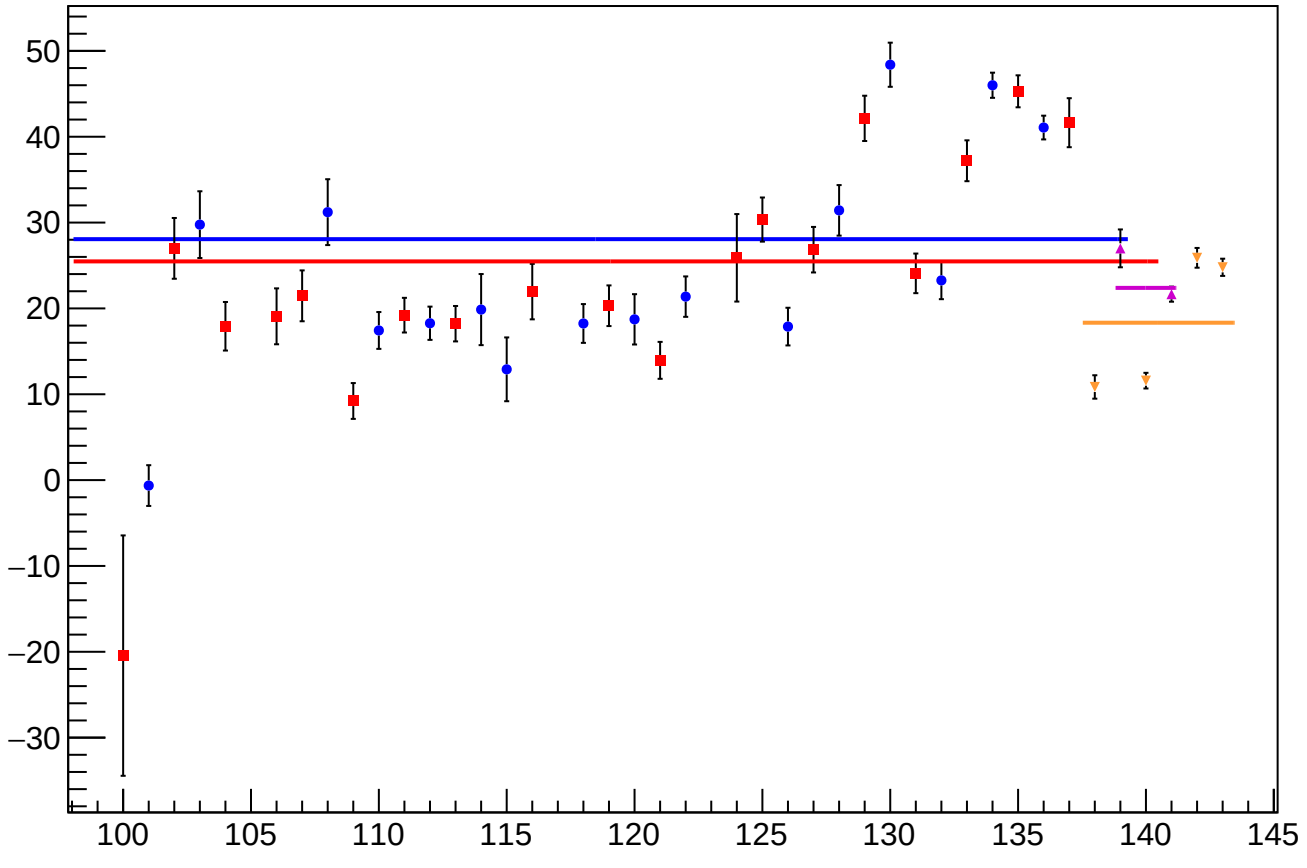
Left: -85.816+/-0.480 χ^2/NDF: 503.2/5

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -93.015+/-0.448 χ^2/NDF:540.3/17

Out: -87.038+/-0.401 χ^2/NDF:1253.9/22

All: -89.693+/-0.299 χ^2/NDF: 1893.0/40



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 18.334+/-0.535 χ^2/NDF:169.5/3

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 22.392+/-0.816 χ^2/NDF:5.1/1

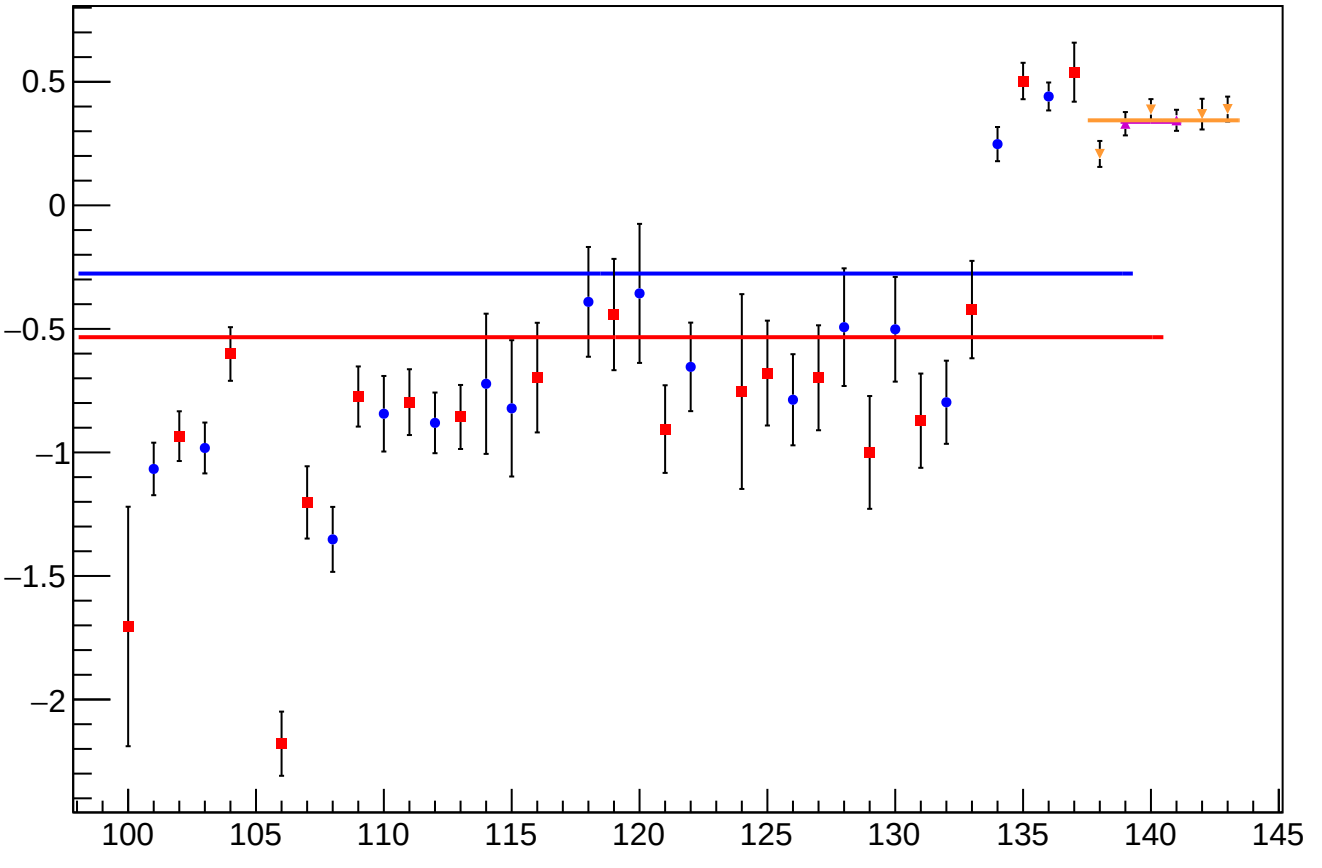
Left: 19.555+/-0.448 χ^2/NDF: 191.8/5

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.212+/-0.467 χ^2/NDF:620.7/17

Out: 21.557+/-0.397 χ^2/NDF:604.5/22

All: 23.509+/-0.302 χ^2/NDF: 1283.0/40



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.344+/-0.025 χ^2/NDF:8.8/3

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.338+/-0.032 χ^2/NDF:0.0/1

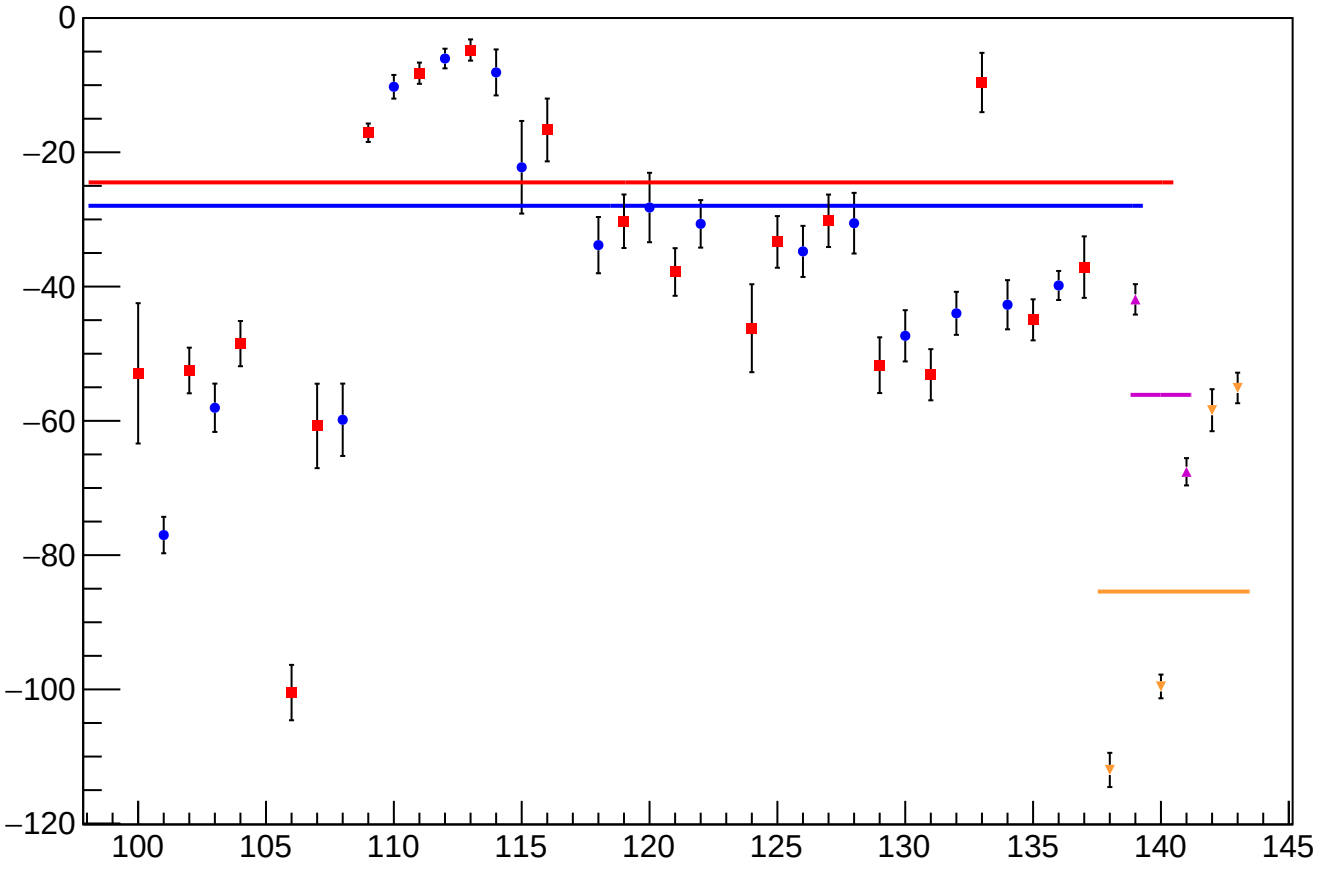
Left: 0.342+/-0.020 χ^2/NDF: 8.8/5

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.021+/-0.022 χ^2/NDF:650.0/17

Out: 0.020+/-0.020 χ^2/NDF:969.0/22

All: 0.020+/-0.015 χ^2/NDF: 1619.0/40



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -85.423+/-1.140 χ^2/NDF:424.9/3

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -56.128+/-1.512 χ^2/NDF:71.3/1

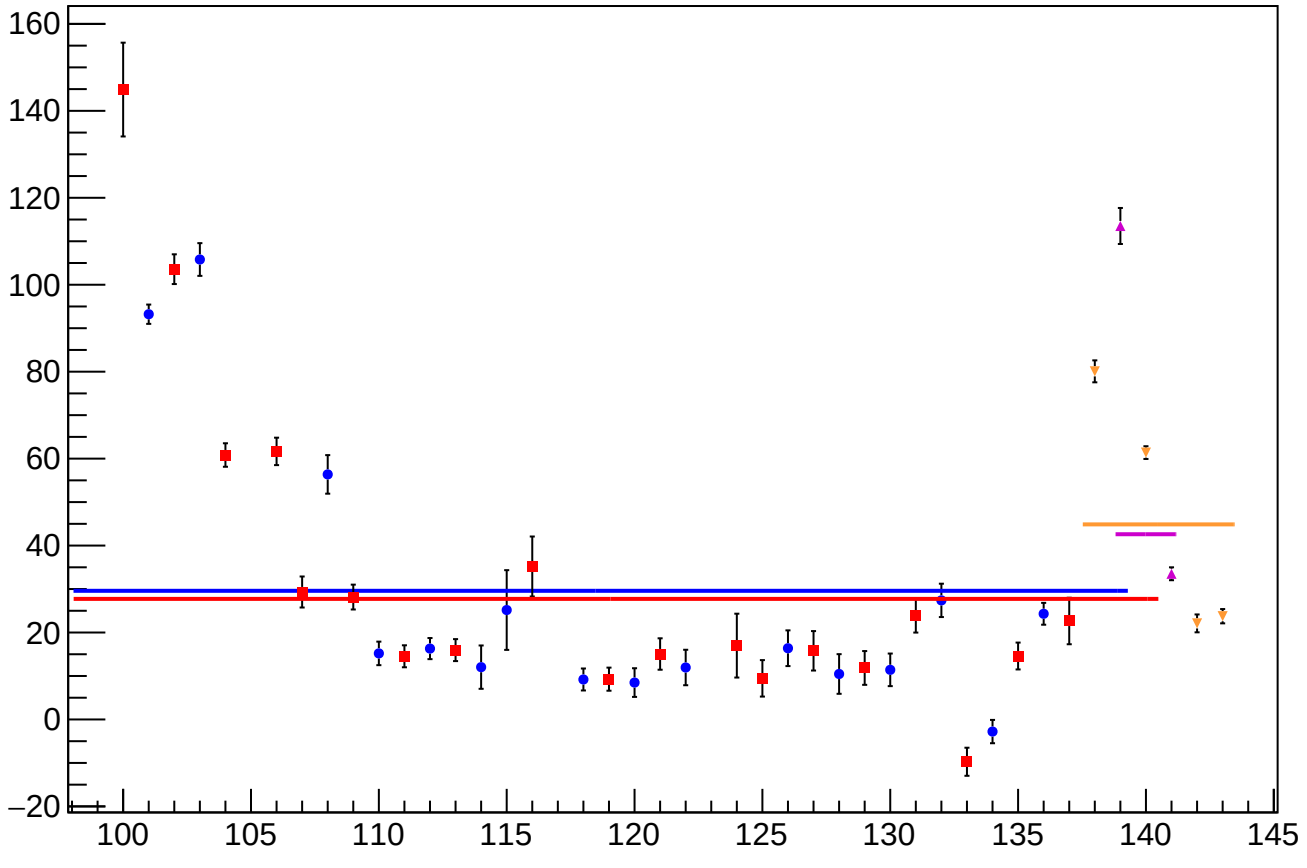
Left: -74.811+/-0.910 χ^2/NDF: 735.5/5

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -33.262+/-0.656 χ^2/NDF:1247.5/17

Out: -39.889+/-0.573 χ^2/NDF:3551.0/22

All: -37.019+/-0.431 χ^2/NDF: 4856.5/40



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 44.872+/-0.902 χ^2/NDF:608.7/3

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 42.608+/-1.397 χ^2/NDF:330.5/1

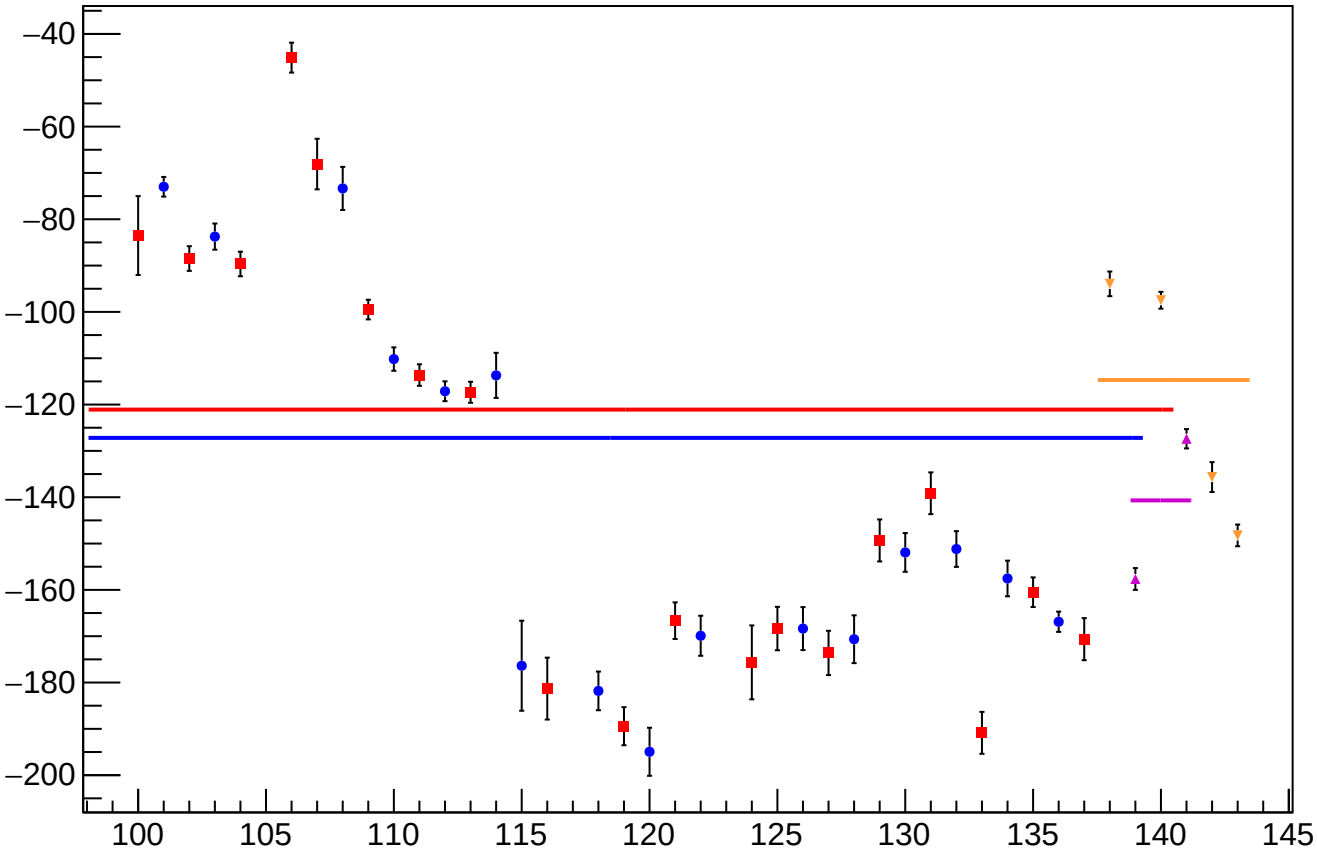
Left: 44.205+/-0.758 χ^2/NDF: 941.1/5

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 32.851+/-0.699 χ^2/NDF:2061.2/17

Out: 35.246+/-0.597 χ^2/NDF:1996.4/22

All: 34.235+/-0.454 χ^2/NDF: 4064.4/40



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -114.687+/-1.176 χ^2/NDF:398.5/3

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: -124.099+/-0.939 χ^2/NDF: 668.1/5

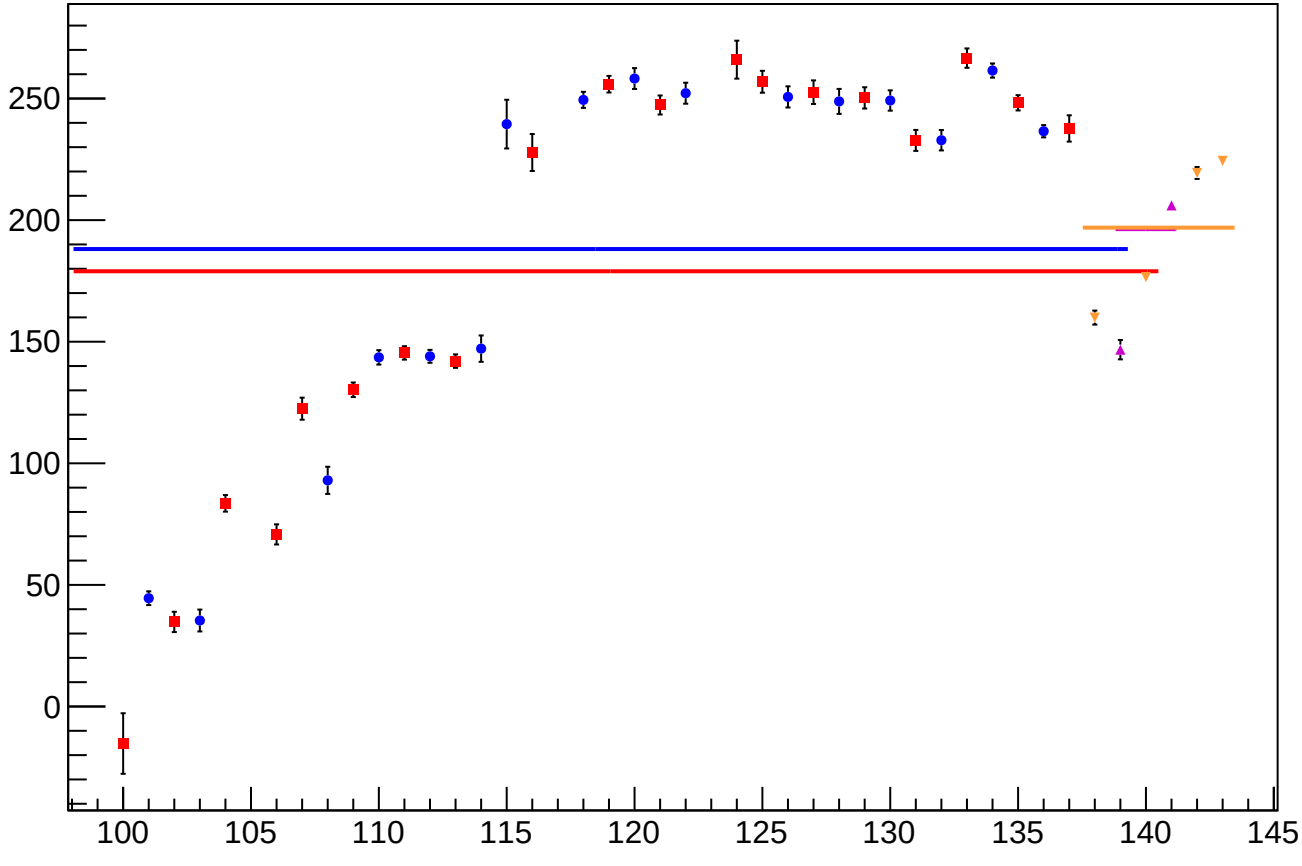
Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -130.161+/-0.732 χ^2/NDF:2329.1/17

Out: -119.069+/-0.660 χ^2/NDF:2816.1/22

All: -124.041+/-0.490 χ^2/NDF: 5271.7/40

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.910+/-1.071 χ^2/NDF:580.1/3

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 196.296+/-1.613 χ^2/NDF:185.8/1

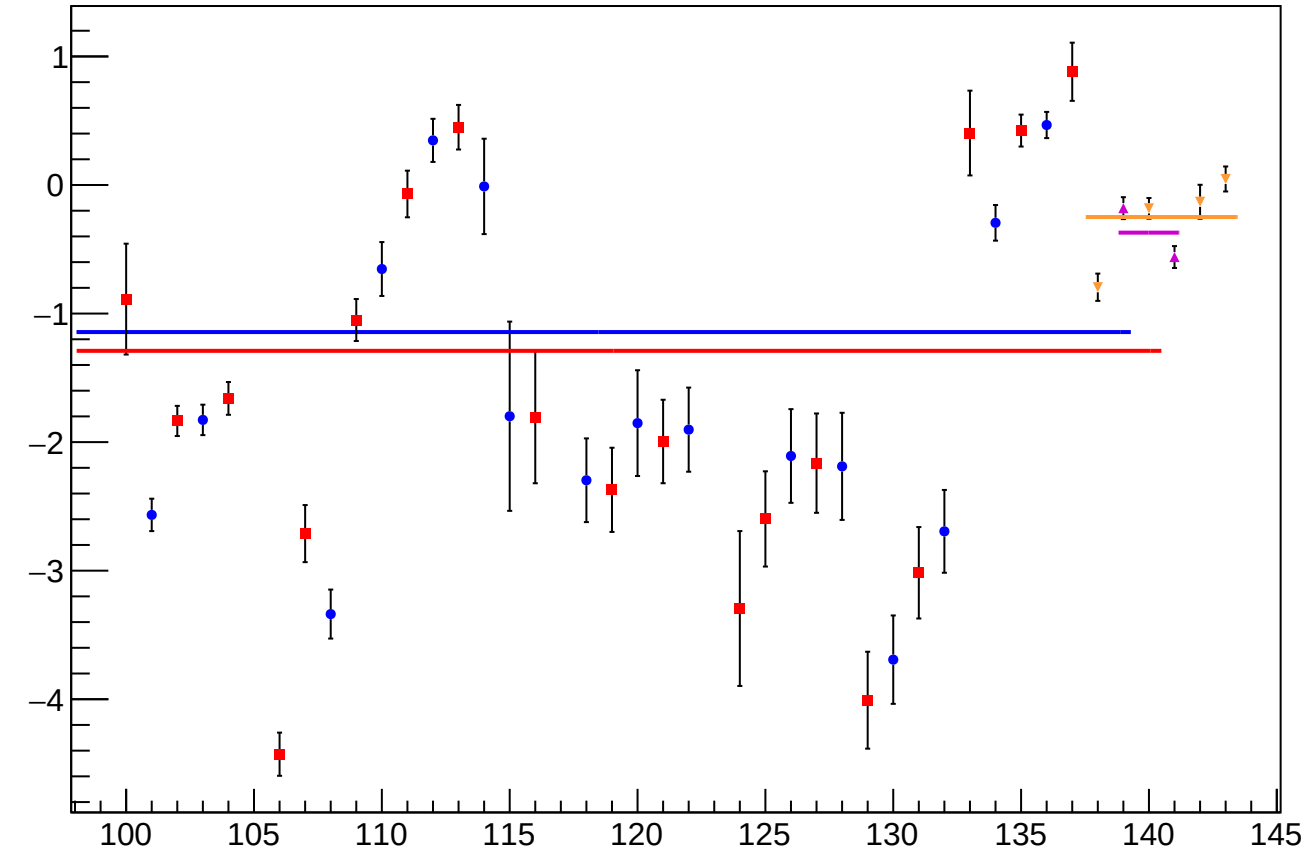
Left: 196.722+/-0.892 χ^2/NDF: 766.0/5

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 190.110+/-0.798 χ^2/NDF:7323.9/17

Out: 186.472+/-0.693 χ^2/NDF:7412.1/22

All: 188.035+/-0.523 χ^2/NDF: 14747.8/40



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.249+/-0.050 χ^2/NDF:37.3/3

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.371+/-0.060 χ^2/NDF:10.0/1

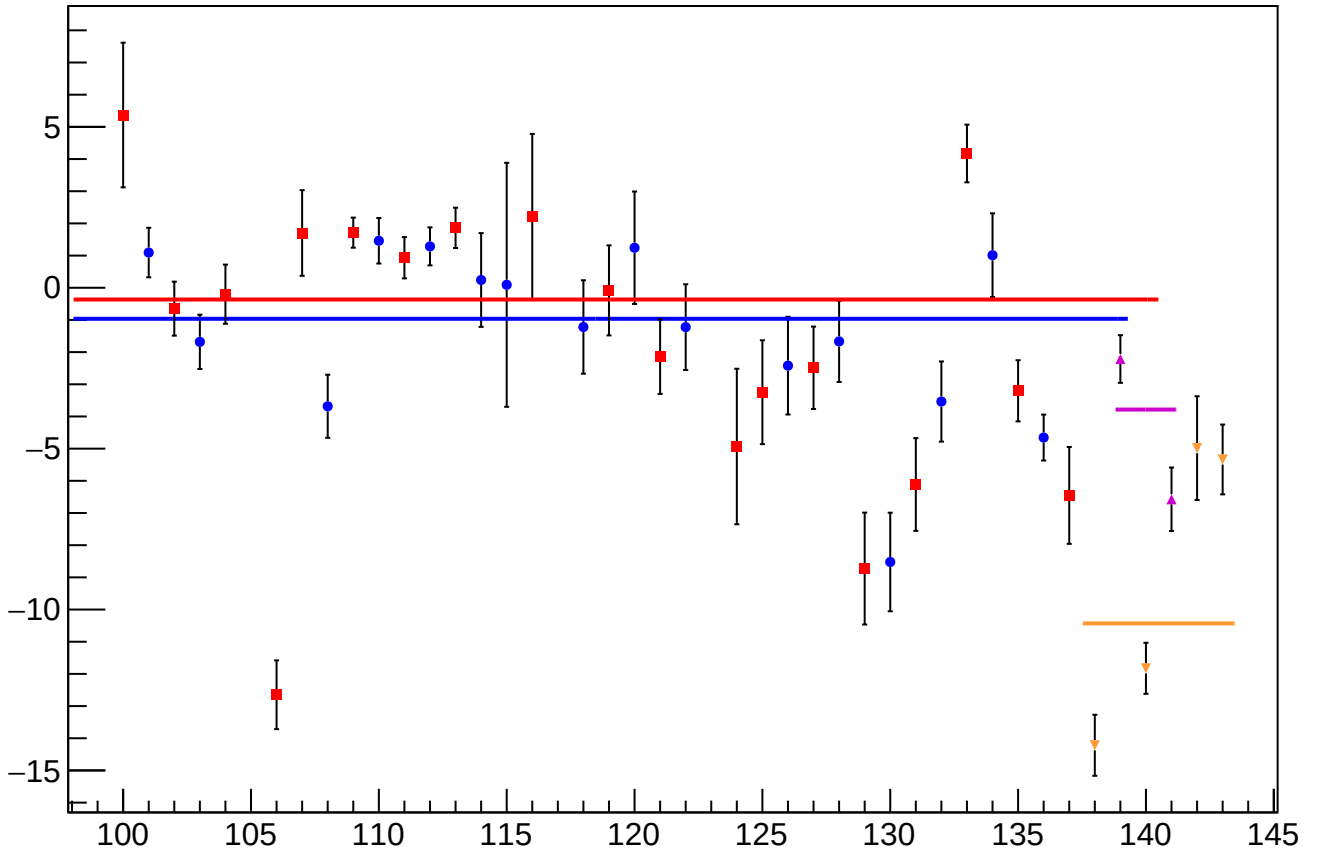
Left: -0.298+/-0.038 χ^2/NDF: 49.7/5

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.843+/-0.038 χ^2/NDF:898.2/17

Out: -0.792+/-0.034 χ^2/NDF:1265.6/22

All: -0.816+/-0.025 χ^2/NDF: 2164.7/40



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -10.431+/-0.504 χ^2/NDF:52.5/3

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.785+/-0.593 χ^2/NDF:12.5/1

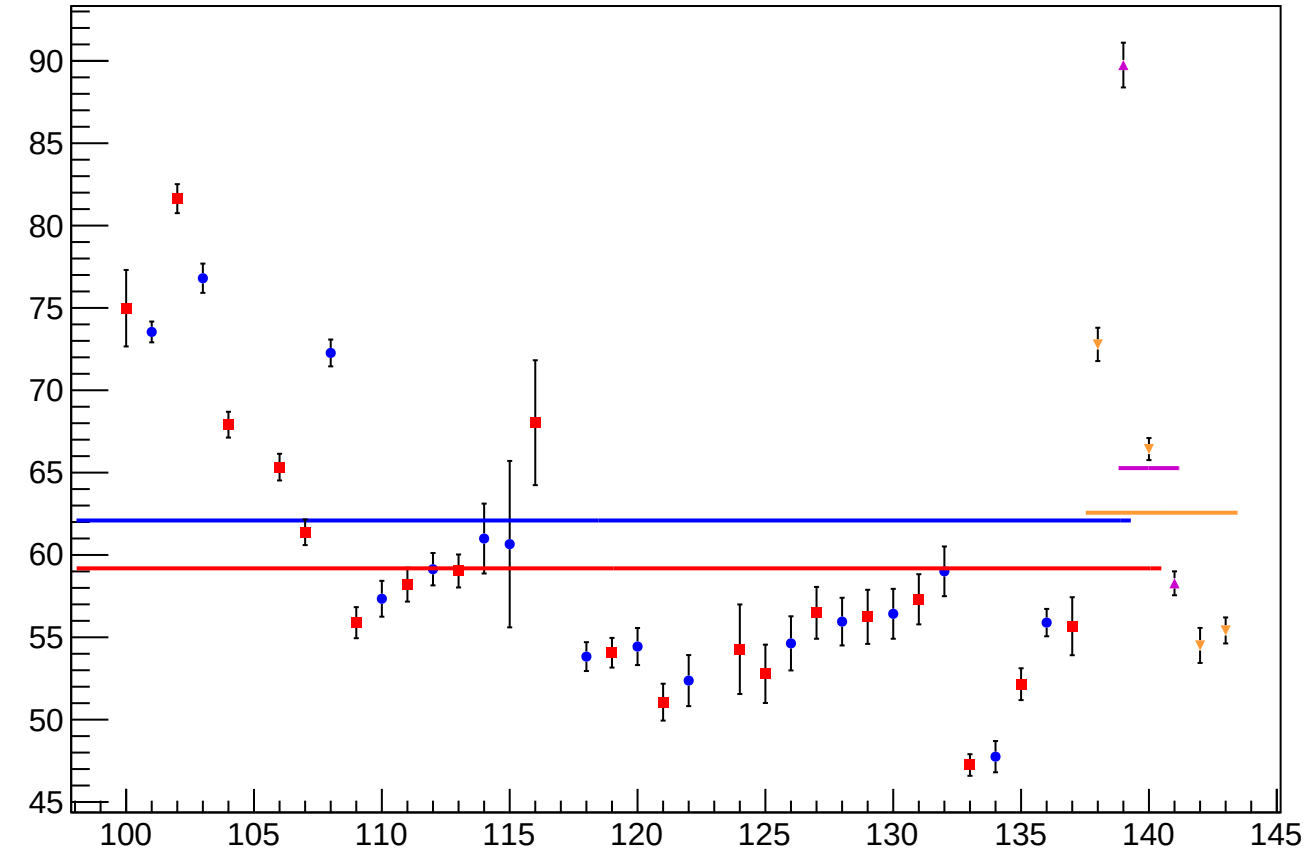
Left: -7.640+/-0.384 χ^2/NDF: 137.9/5

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.400+/-0.233 χ^2/NDF:134.8/17

Out: -2.021+/-0.204 χ^2/NDF:666.1/22

All: -1.751+/-0.154 χ^2/NDF: 805.0/40



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 62.565+/-0.419 χ^2/NDF:274.7/3

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 65.273+/-0.641 χ^2/NDF:417.0/1

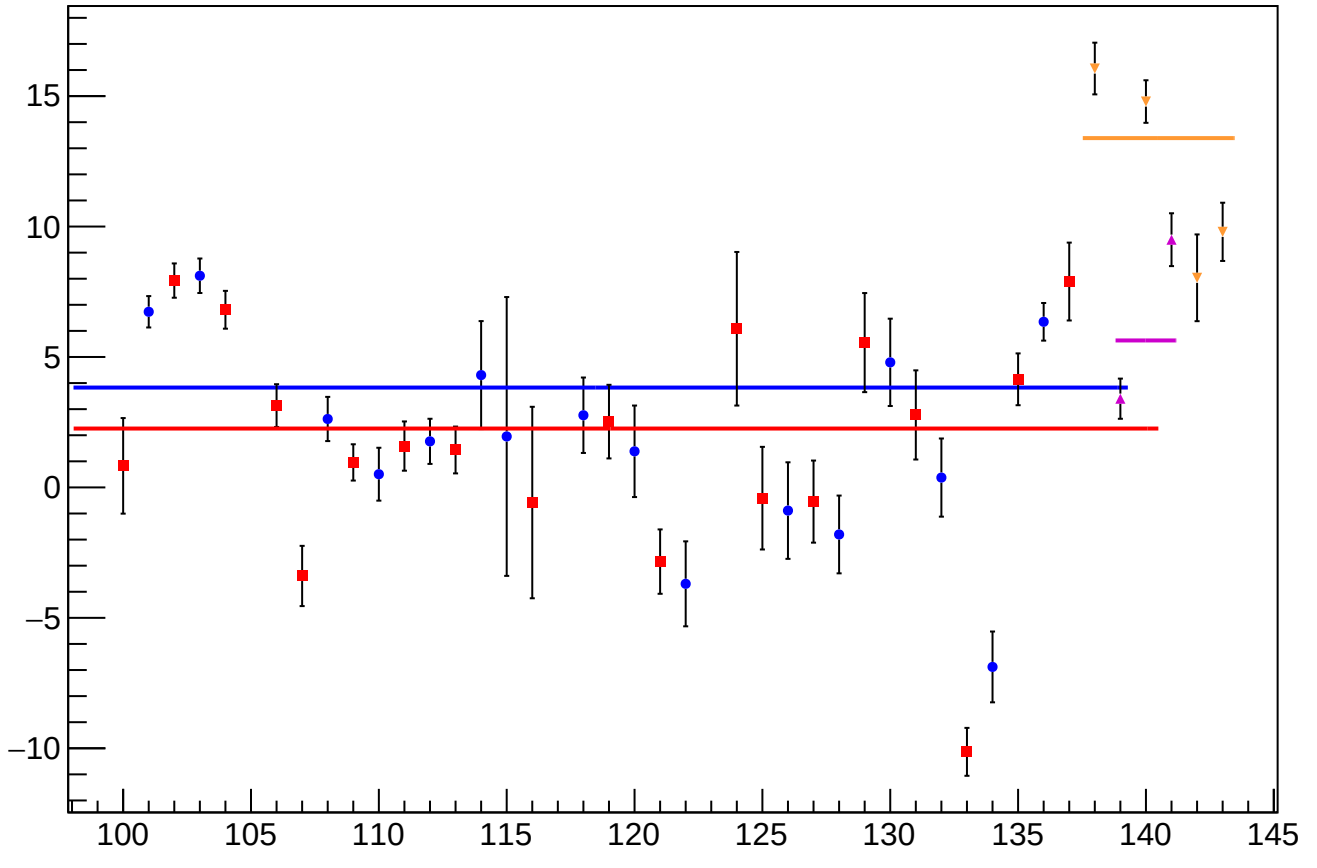
Left: 63.377+/-0.351 χ^2/NDF: 704.2/5

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 62.559+/-0.245 χ^2/NDF:1739.3/17

Out: 60.042+/-0.211 χ^2/NDF:1725.4/22

All: 61.111+/-0.160 χ^2/NDF: 3525.3/40



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 13.390+/-0.521 χ^2/NDF:30.9/3

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 5.634+/-0.613 χ^2/NDF:23.0/1

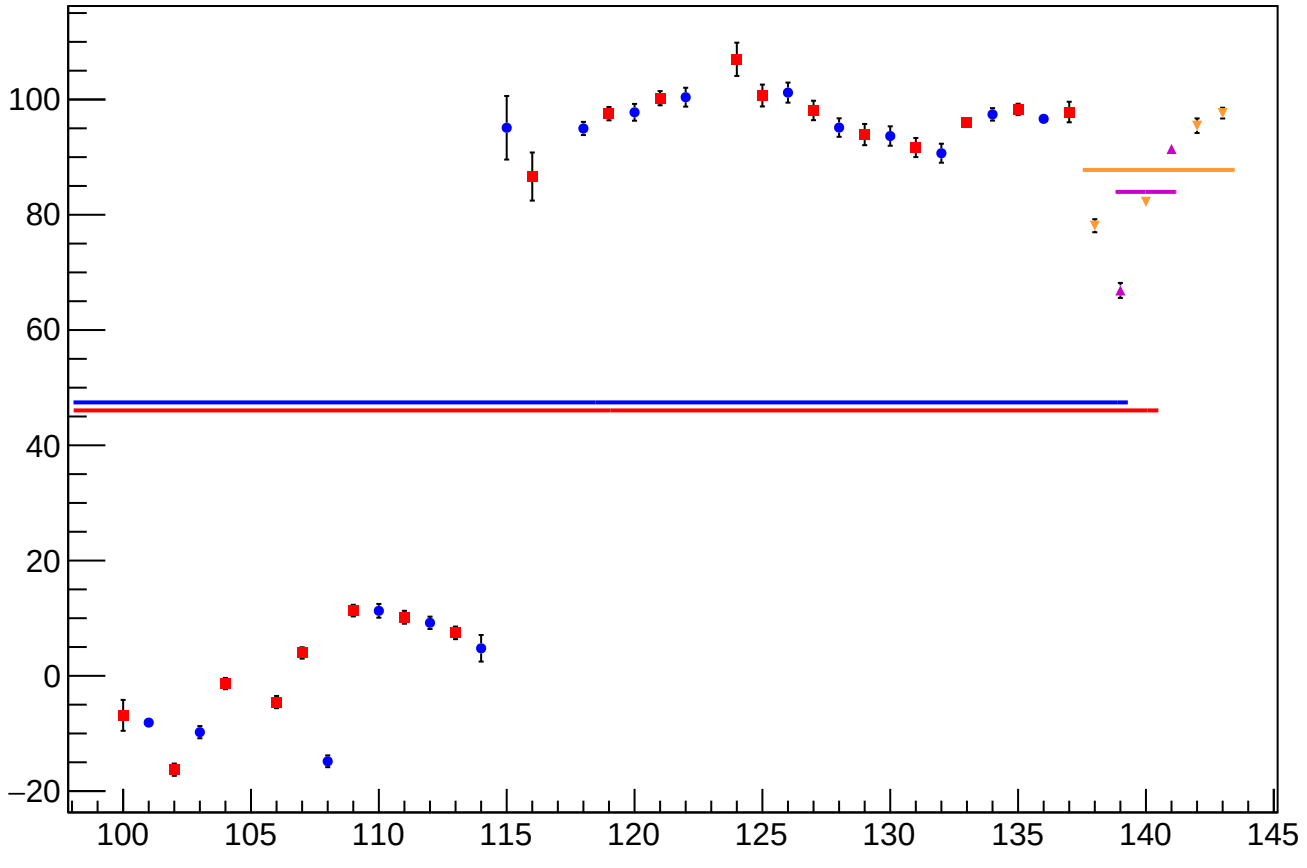
Left: 10.137+/-0.397 χ^2/NDF: 146.9/5

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.113+/-0.243 χ^2/NDF:238.9/17

Out: 4.293+/-0.223 χ^2/NDF:776.1/22

All: 4.211+/-0.164 χ^2/NDF: 1015.3/40



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 87.778+/-0.493 χ^2/NDF:269.2/3

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 83.969+/-0.719 χ^2/NDF:246.2/1

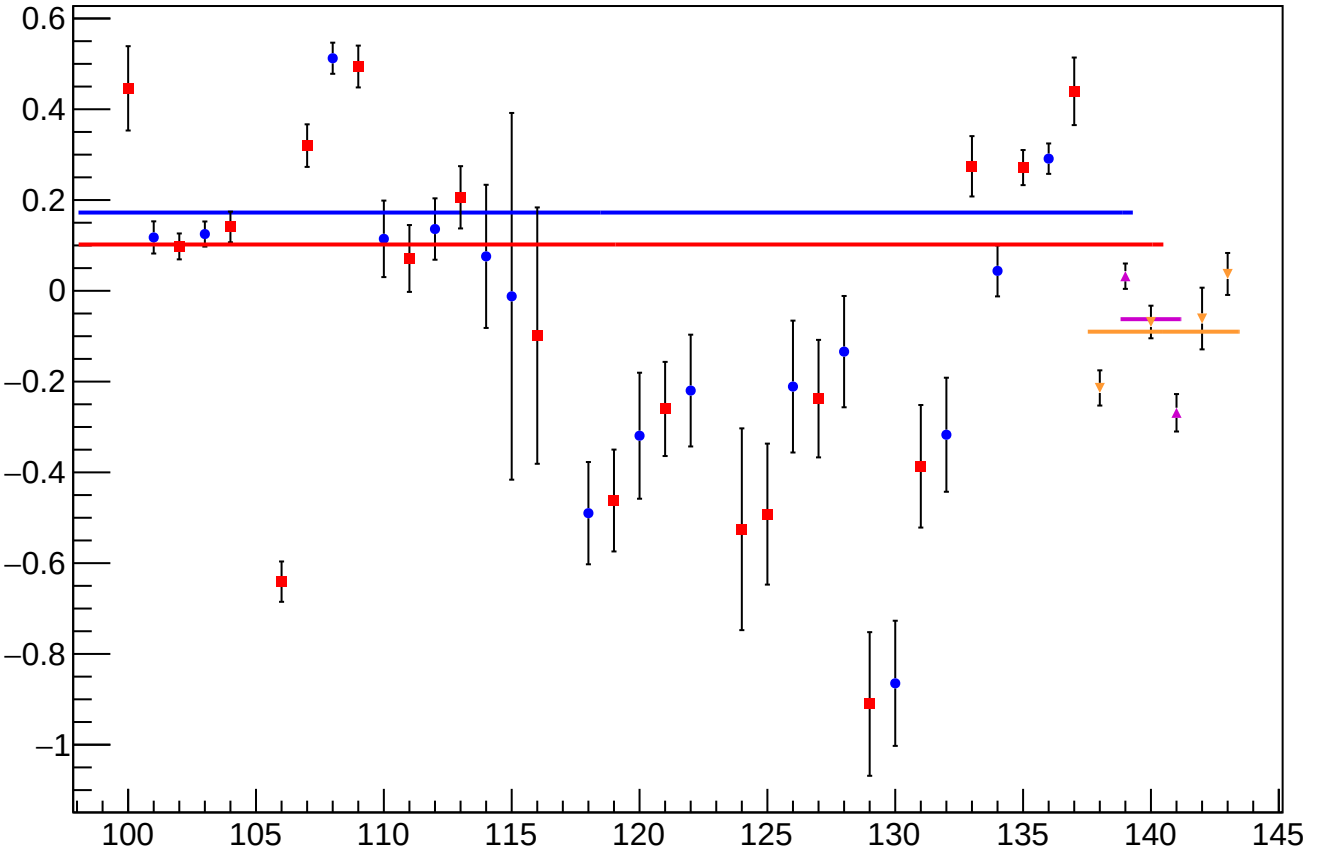
Left: 86.559+/-0.407 χ^2/NDF: 534.5/5

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 53.109+/-0.283 χ^2/NDF:29313.9/17

Out: 56.462+/-0.246 χ^2/NDF:34535.2/22

All: 55.017+/-0.186 χ^2/NDF: 63928.8/40



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.090+/-0.022 χ^2/NDF:18.3/3

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.062+/-0.023 χ^2/NDF:36.5/1

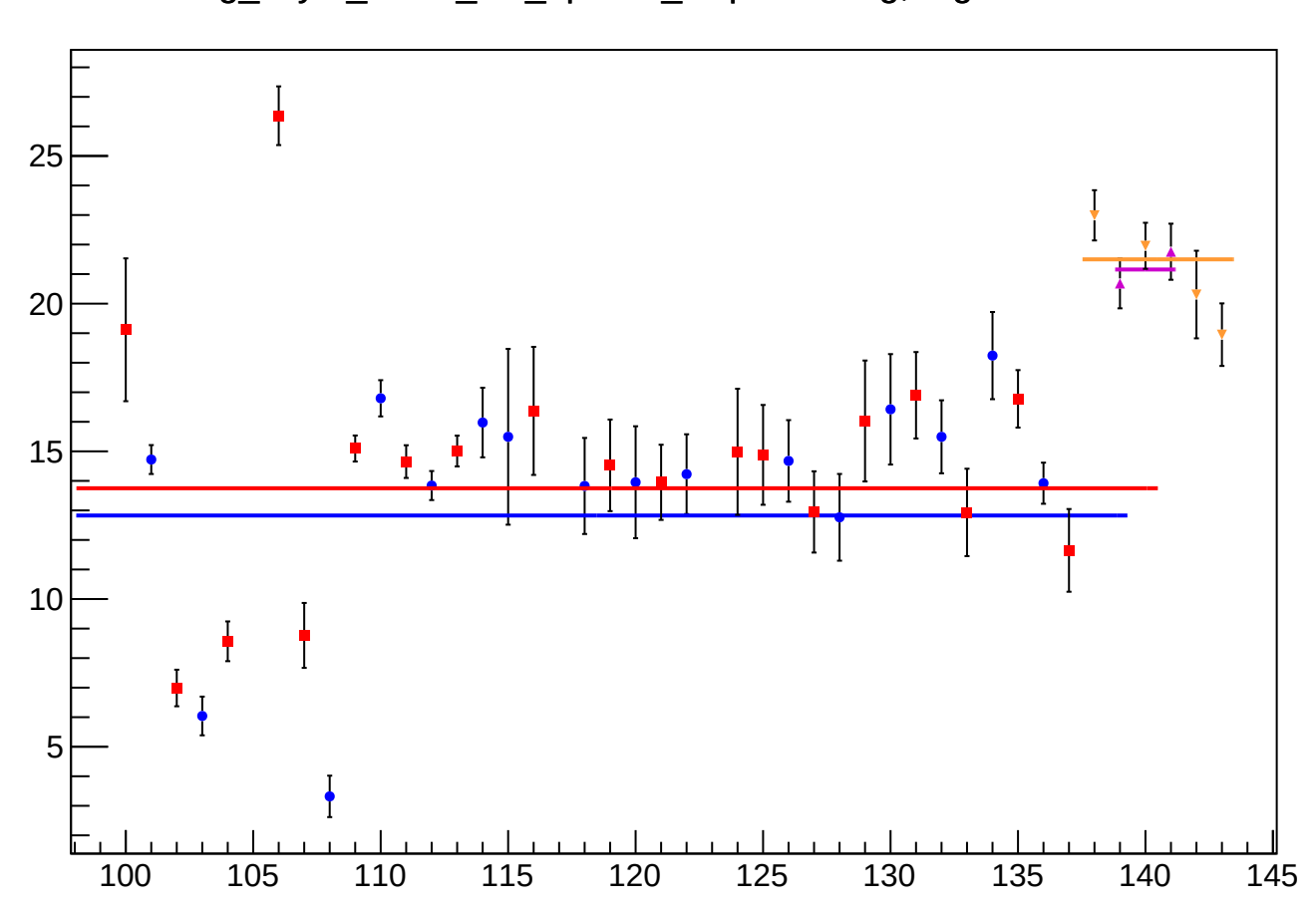
Left: -0.077+/-0.016 χ^2/NDF: 55.5/5

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.109+/-0.012 χ^2/NDF:376.4/17

Out: 0.049+/-0.011 χ^2/NDF:633.6/22

All: 0.077+/-0.008 χ^2/NDF: 1023.0/40



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.499+/-0.478 χ^2/NDF:9.9/3

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.156+/-0.630 χ^2/NDF:0.7/1

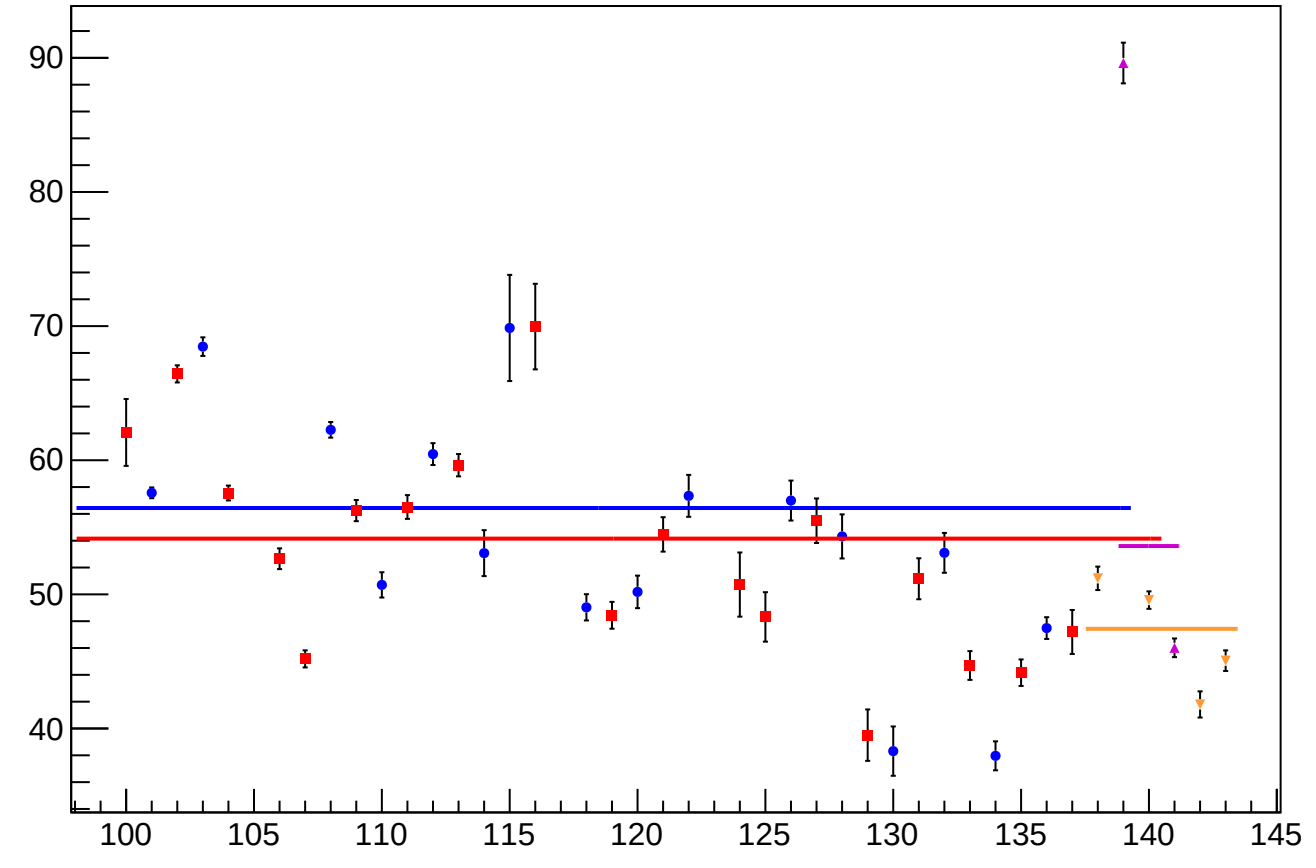
Left: 21.374+/-0.381 χ^2/NDF: 10.8/5

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 13.690+/-0.203 χ^2/NDF:545.5/17

Out: 14.944+/-0.188 χ^2/NDF:635.9/22

All: 14.365+/-0.138 χ^2/NDF: 1202.0/40



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 47.431+/-0.395 χ^2/NDF:72.3/3

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 53.602+/-0.633 χ^2/NDF:682.2/1

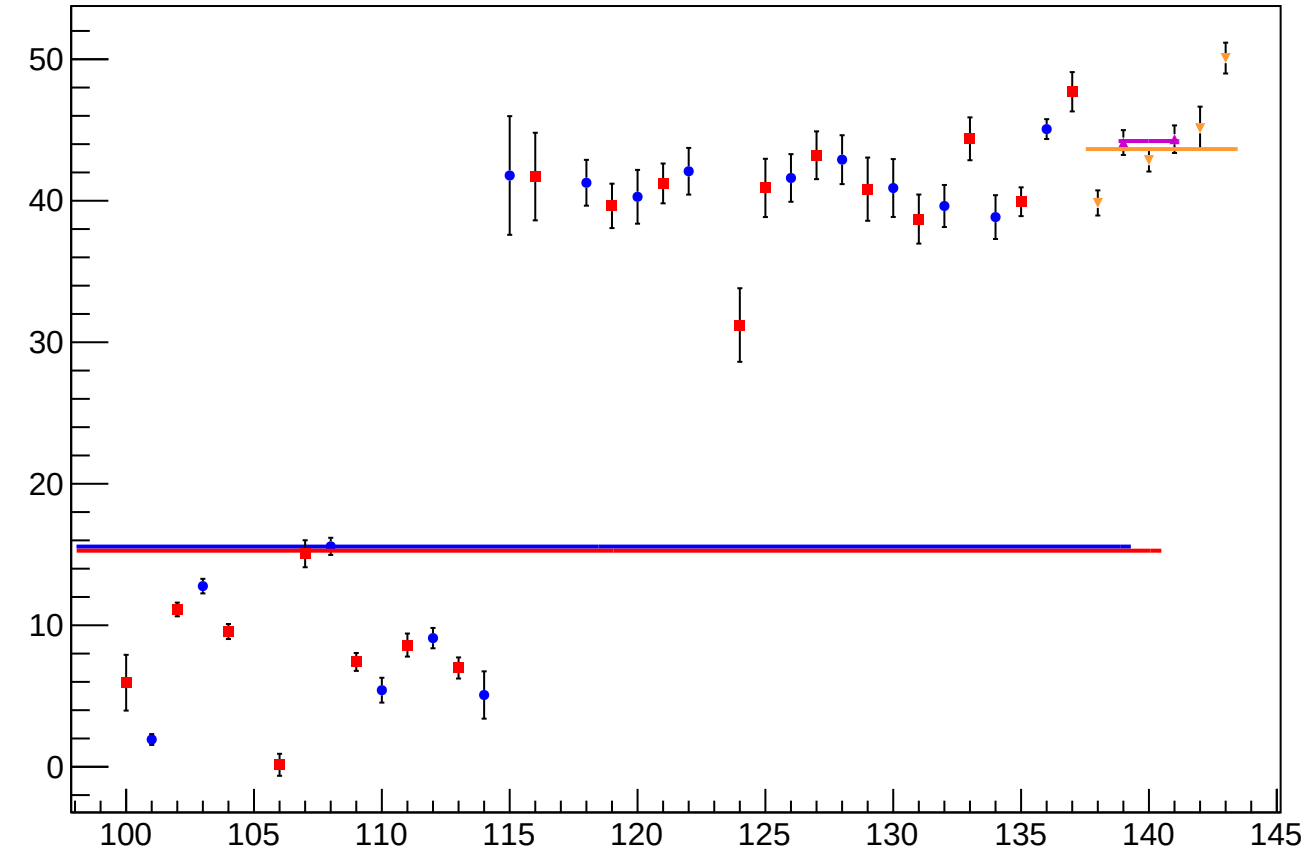
Left: 49.162+/-0.335 χ^2/NDF: 822.9/5

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 56.128+/-0.209 χ^2/NDF:1788.1/17

Out: 52.515+/-0.195 χ^2/NDF:1297.9/22

All: 54.195+/-0.143 χ^2/NDF: 3245.3/40



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 43.651+/-0.494 χ^2/NDF:55.1/3

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 44.220+/-0.652 χ^2/NDF:0.0/1

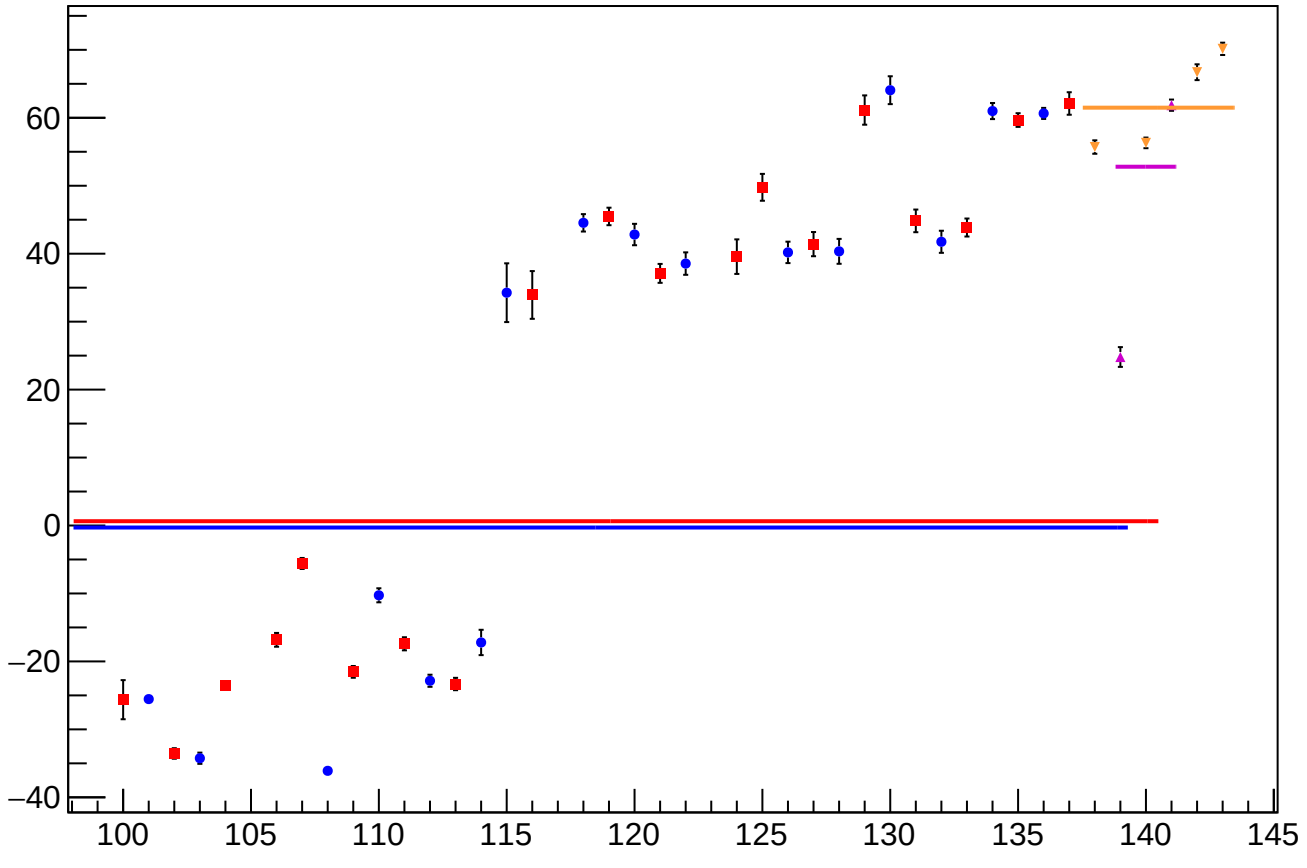
Left: 43.859+/-0.394 χ^2/NDF: 55.6/5

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 18.349+/-0.203 χ^2/NDF:6920.7/17

Out: 19.934+/-0.200 χ^2/NDF:6683.3/22

All: 19.153+/-0.143 χ^2/NDF: 13634.9/40



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 61.489+/-0.466 χ^2/NDF:189.1/3

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 52.800+/-0.719 χ^2/NDF:490.2/1

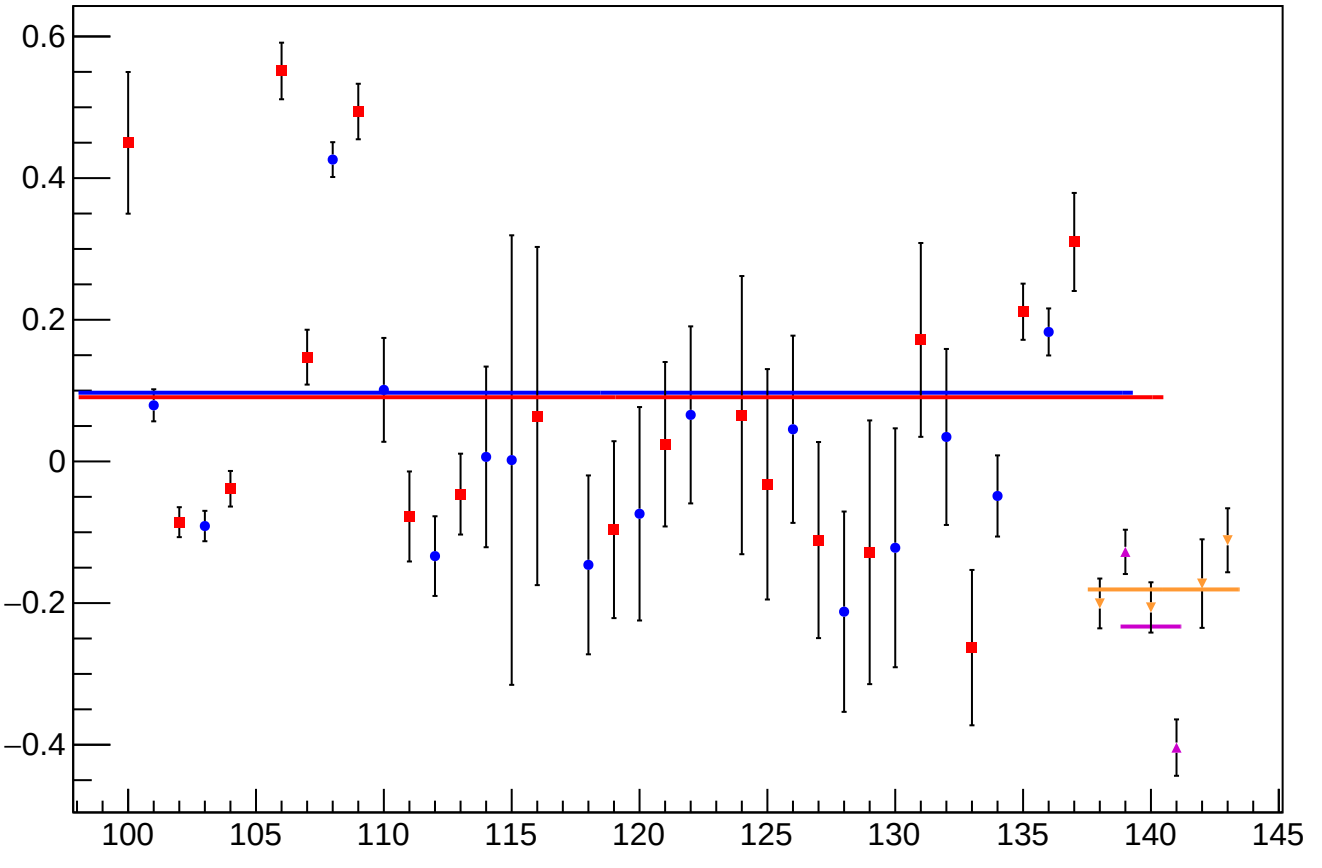
Left: 58.919+/-0.391 χ^2/NDF: 782.2/5

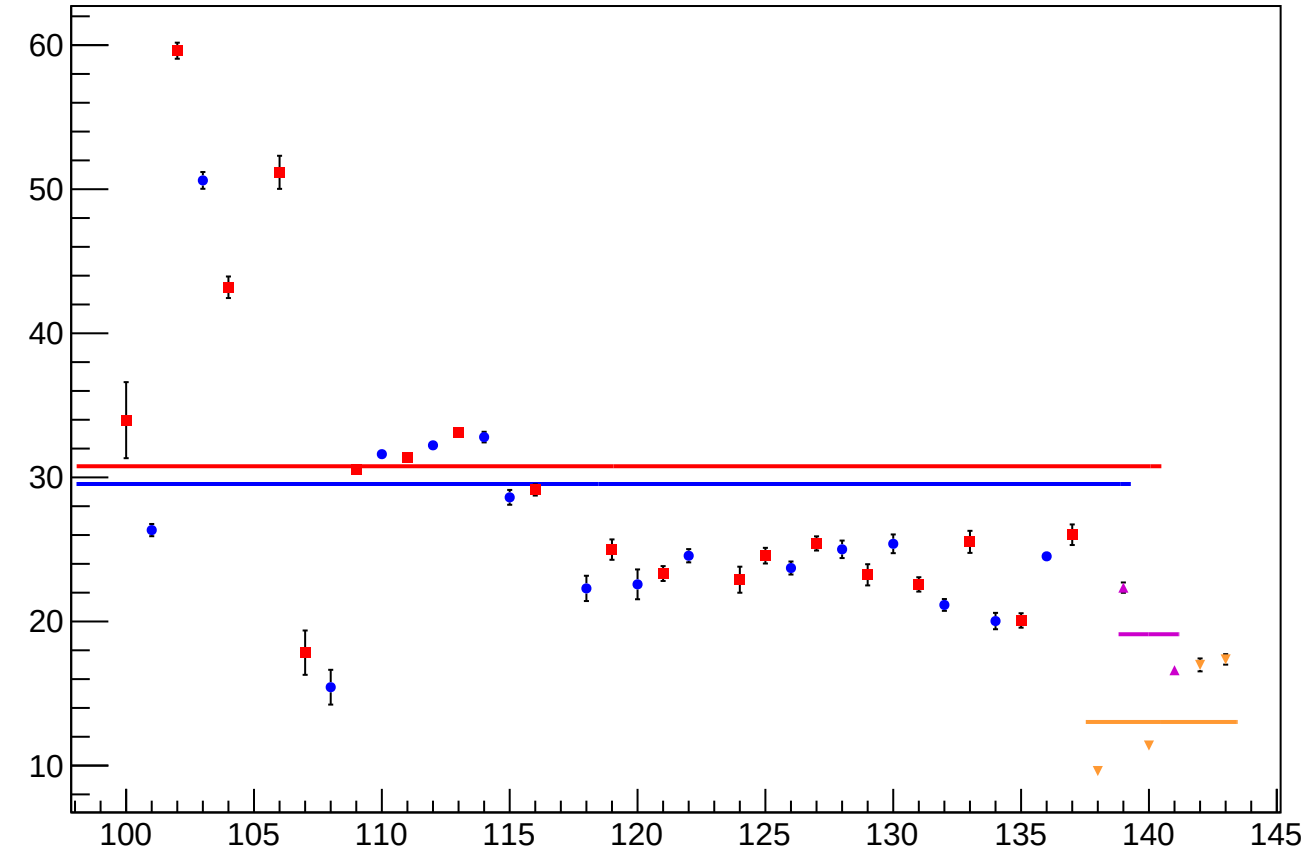
Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 5.899+/-0.246 χ^2/NDF:26335.1/17

Out: 15.382+/-0.229 χ^2/NDF:29134.1/22

All: 10.964+/-0.168 χ^2/NDF: 56264.9/40


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.097+/-0.011 χ²/NDF: 299.1/15
Left Out: -0.181+/-0.021 χ²/NDF:3.2/3
Right Out: 0.091+/-0.011 χ²/NDF: 399.5/18
Left In: -0.233+/-0.025 χ²/NDF:29.8/1
Left: -0.202+/-0.016 χ²/NDF: 35.7/5
Right: 0.094+/-0.008 χ²/NDF: 698.7/34
In: 0.040+/-0.010 χ²/NDF:478.1/17
Out: 0.027+/-0.010 χ²/NDF:535.2/22
All: 0.034+/-0.007 χ²/NDF: 1014.2/40



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.027+/-0.169 χ^2/NDF:363.0/3

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 19.115+/-0.236 χ^2/NDF:145.3/1

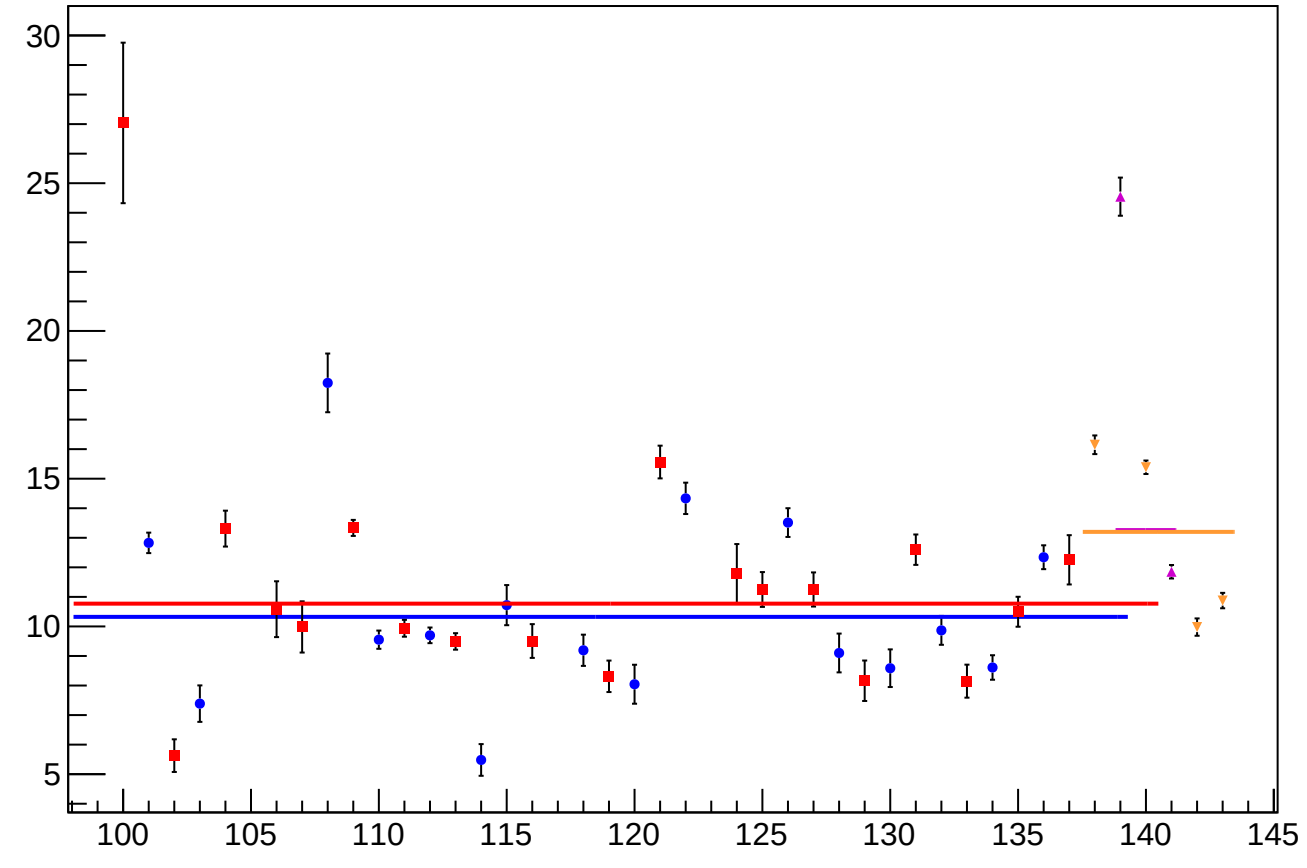
Left: 15.100+/-0.138 χ^2/NDF: 947.9/5

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 28.165+/-0.086 χ^2/NDF:5215.3/17

Out: 27.529+/-0.072 χ^2/NDF:14405.2/22

All: 27.794+/-0.055 χ^2/NDF: 19652.5/40



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 13.200+/-0.134 χ^2/NDF:378.6/3

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 13.260+/-0.215 χ^2/NDF:343.7/1

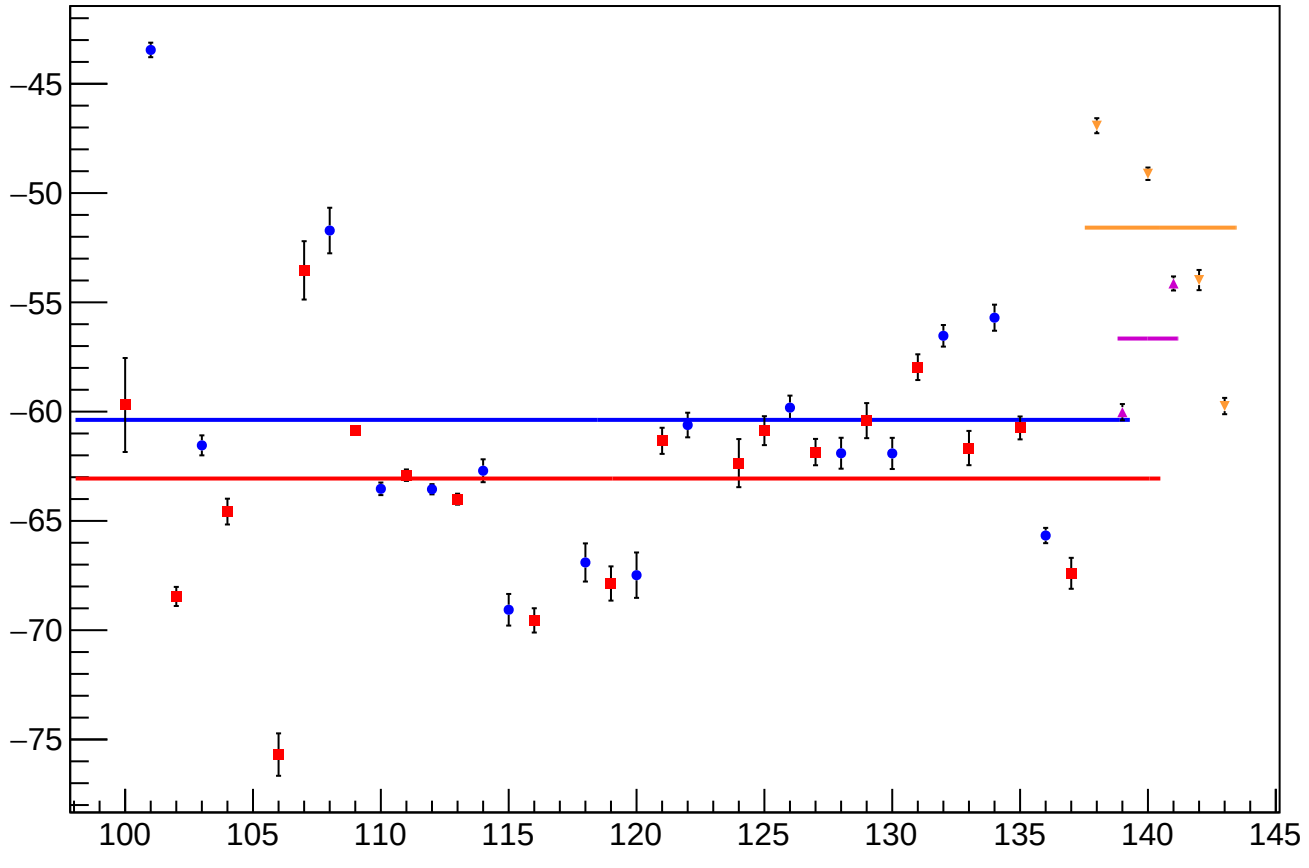
Left: 13.217+/-0.114 χ^2/NDF: 722.4/5

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.967+/-0.101 χ^2/NDF:891.9/17

Out: 11.777+/-0.086 χ^2/NDF:986.2/22

All: 11.434+/-0.066 χ^2/NDF: 1915.4/40



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.582+/-0.175 χ^2/NDF:764.6/3

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -56.656+/-0.244 χ^2/NDF:143.2/1

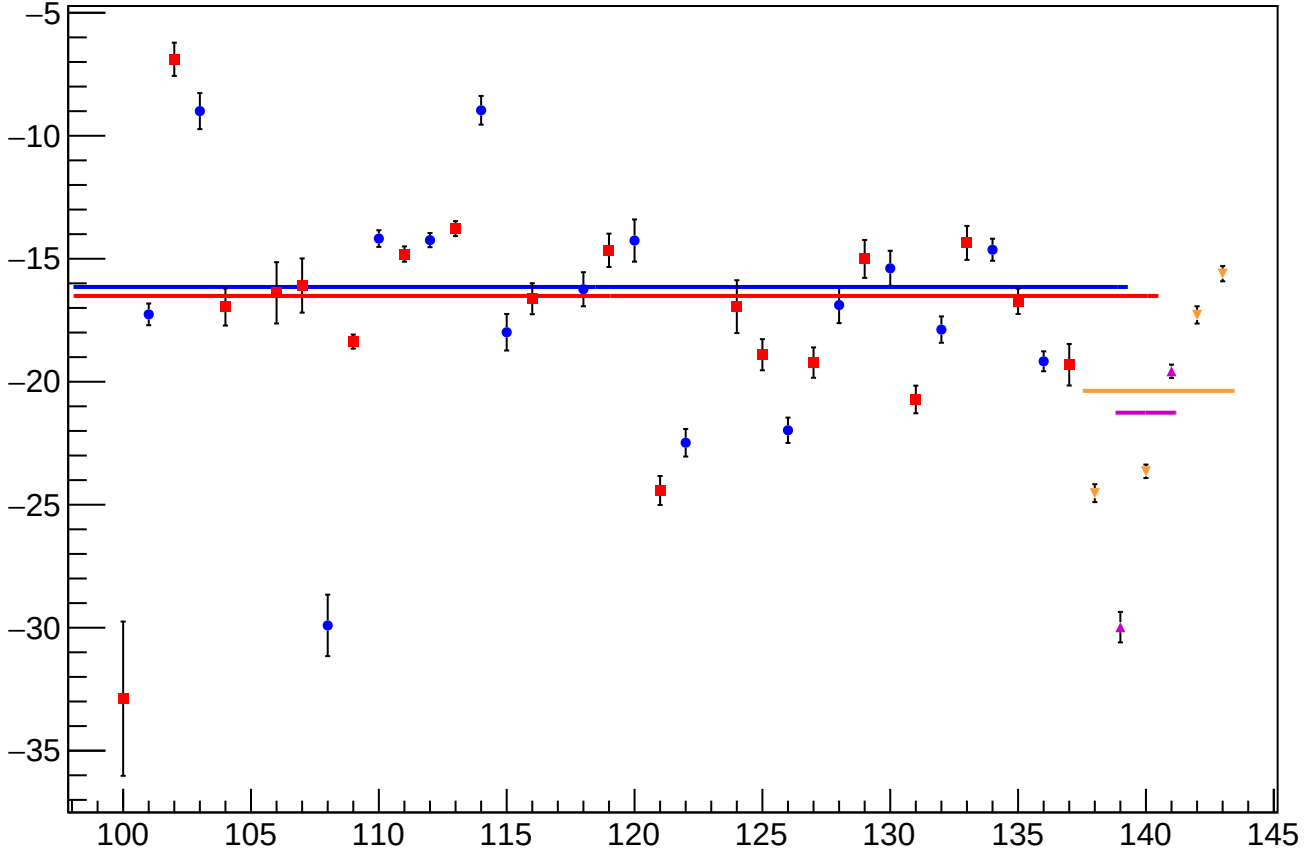
Left: -53.310+/-0.142 χ^2/NDF: 1194.2/5

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -59.718+/-0.103 χ^2/NDF:3932.9/17

Out: -59.926+/-0.091 χ^2/NDF:4737.6/22

All: -59.834+/-0.068 χ^2/NDF: 8672.8/40



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -20.370+/-0.160 χ^2/NDF:585.5/3

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -21.258+/-0.249 χ^2/NDF:236.6/1

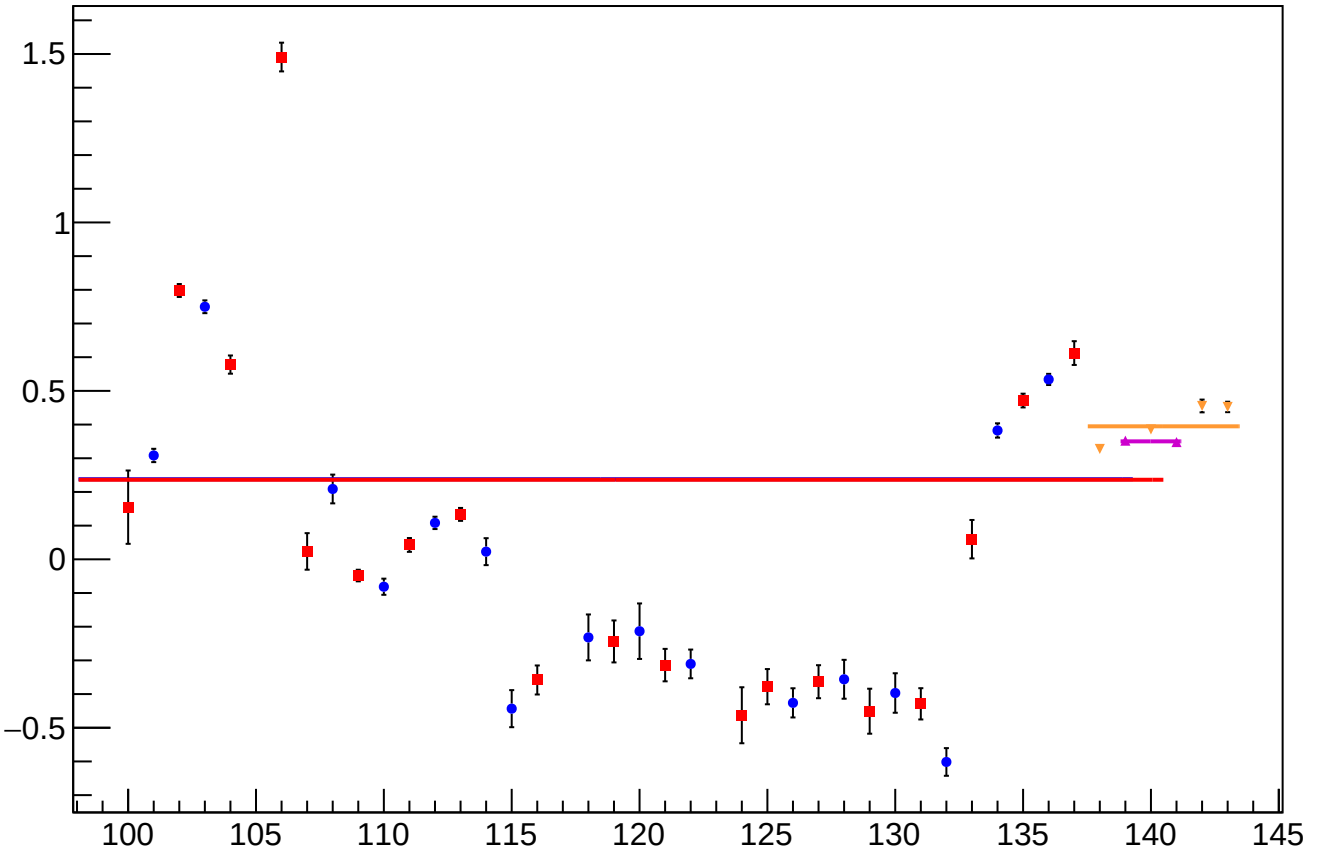
Left: -20.629+/-0.134 χ^2/NDF: 831.1/5

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.204+/-0.113 χ^2/NDF:1367.7/17

Out: -17.974+/-0.098 χ^2/NDF:1633.3/22

All: -17.643+/-0.074 χ^2/NDF: 3027.4/40



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.395+/-0.007 χ^2/NDF:47.9/3

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.350+/-0.009 χ^2/NDF:0.0/1

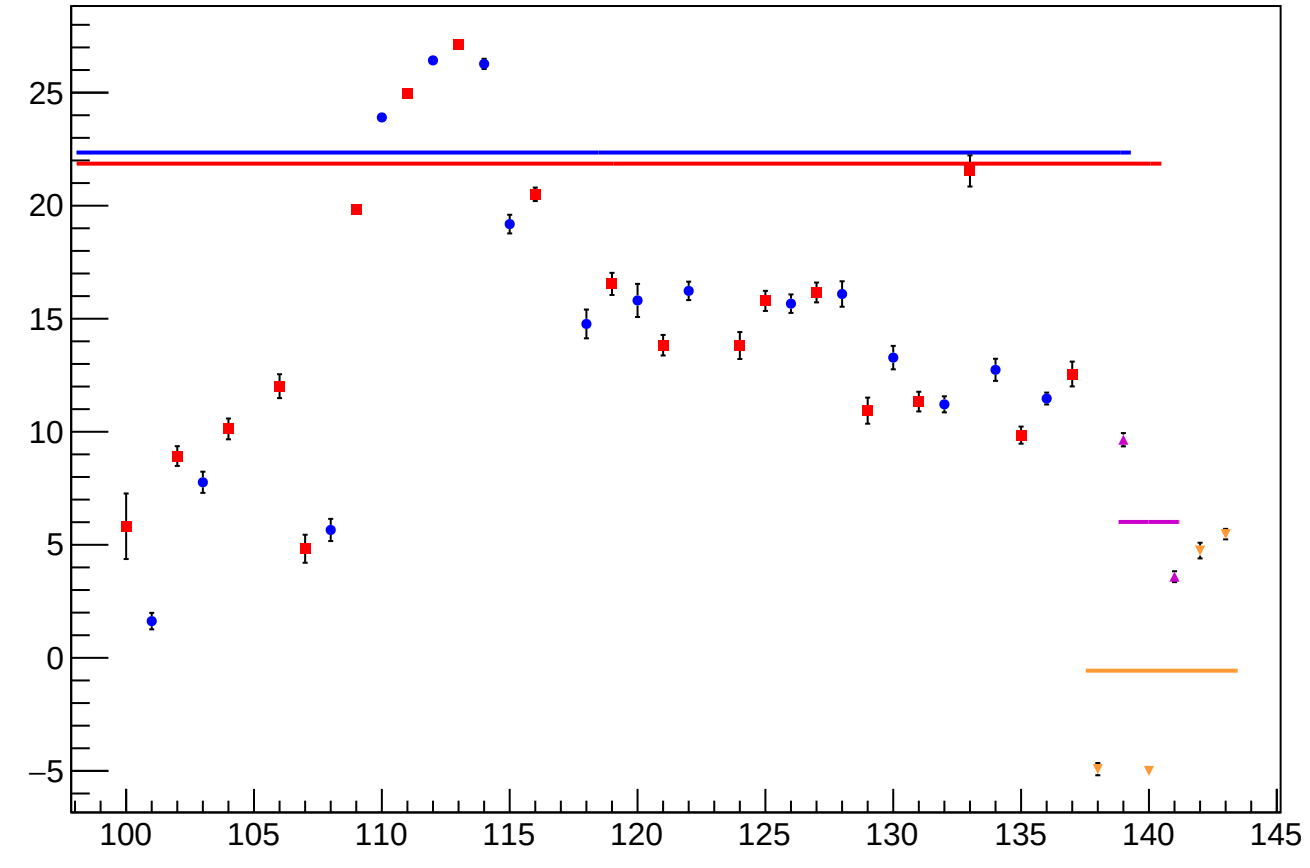
Left: 0.378+/-0.006 χ^2/NDF: 62.0/5

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.279+/-0.006 χ^2/NDF:2724.9/17

Out: 0.312+/-0.005 χ^2/NDF:3883.1/22

All: 0.297+/-0.004 χ^2/NDF: 6627.7/40



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -0.568+/-0.127 χ^2/NDF:1599.4/3

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 6.011+/-0.186 χ^2/NDF:253.4/1

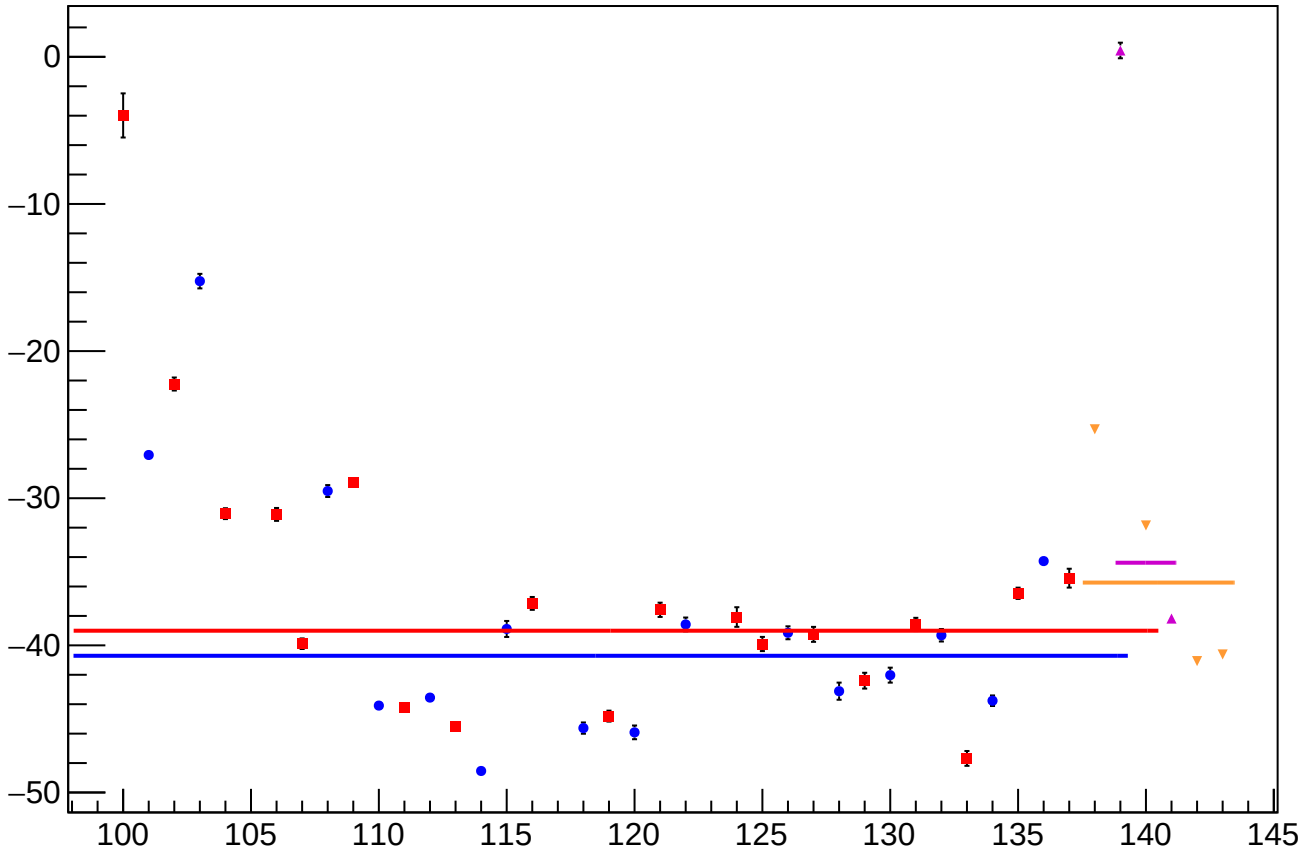
Left: 1.511+/-0.105 χ^2/NDF: 2704.6/5

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 20.973+/-0.054 χ^2/NDF:19624.8/17

Out: 19.218+/-0.043 χ^2/NDF:39940.5/22

All: 19.906+/-0.034 χ^2/NDF: 60204.6/40



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -35.733+/-0.099 χ^2/NDF:3459.8/3

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -34.384+/-0.166 χ^2/NDF:4769.3/1

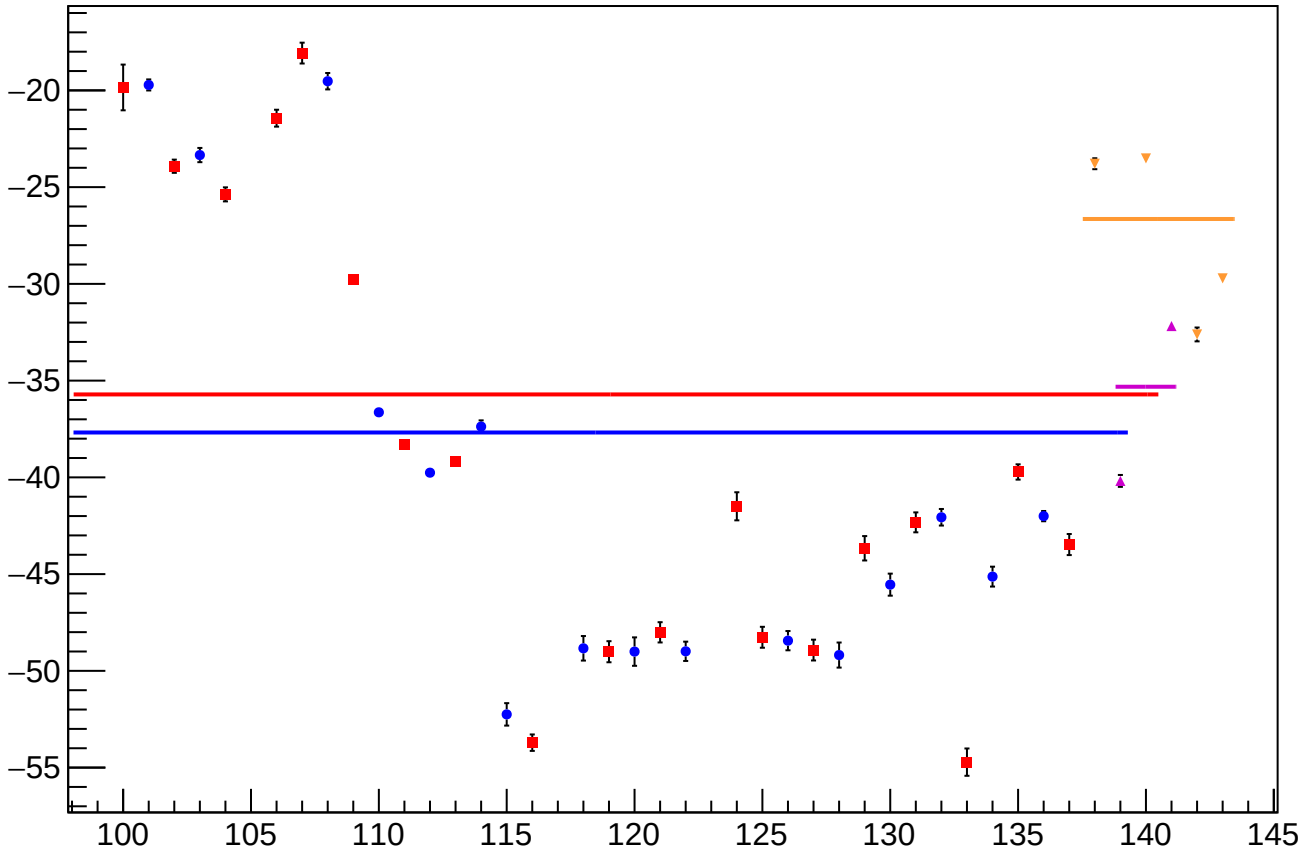
Left: -35.379+/-0.085 χ^2/NDF: 8277.6/5

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.606+/-0.070 χ^2/NDF:13742.1/17

Out: -37.898+/-0.058 χ^2/NDF:14279.0/22

All: -38.596+/-0.044 χ^2/NDF: 28378.3/40



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -26.646+/-0.131 χ^2/NDF:747.3/3

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -35.316+/-0.192 χ^2/NDF:411.9/1

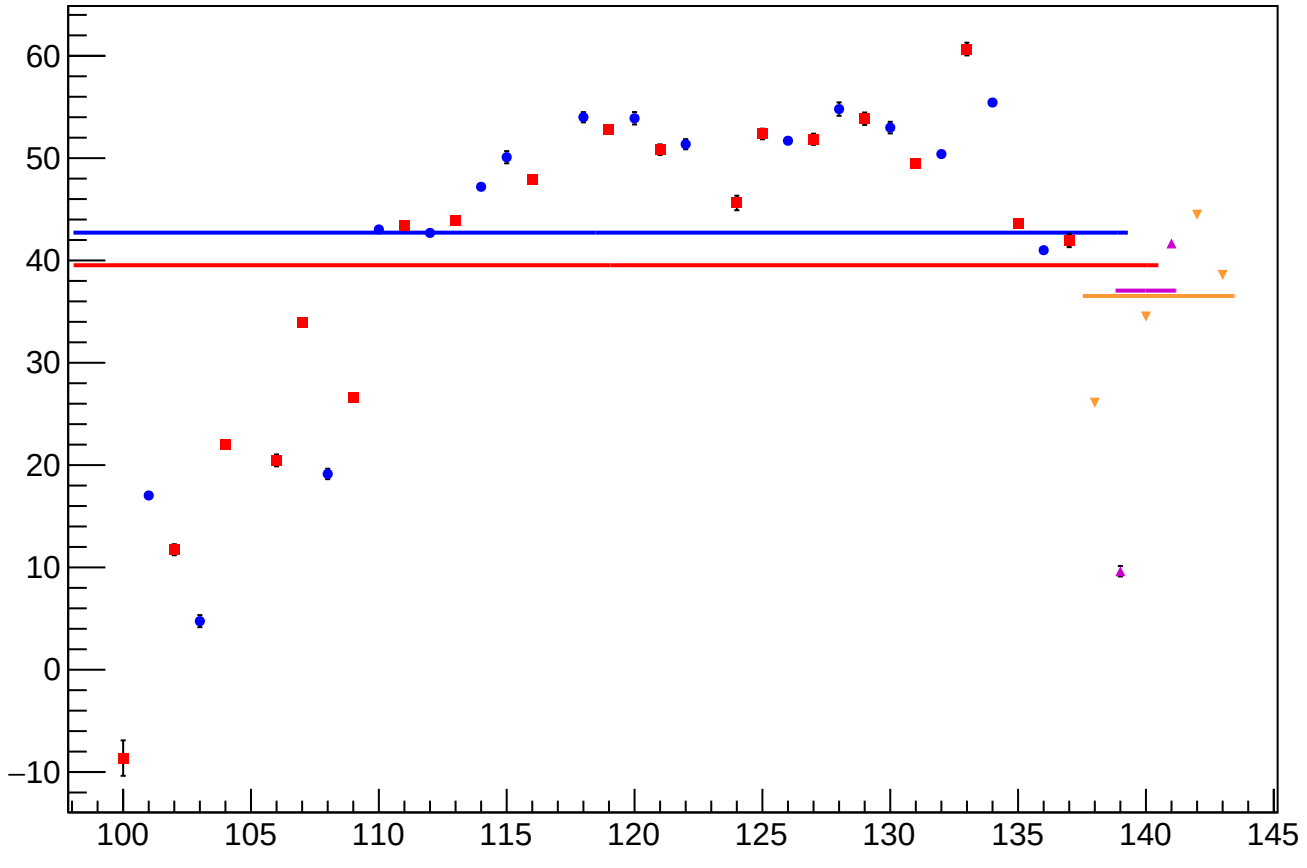
Left: -29.382+/-0.108 χ^2/NDF: 2547.6/5

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.378+/-0.069 χ^2/NDF:11397.5/17

Out: -33.946+/-0.058 χ^2/NDF:17895.5/22

All: -35.362+/-0.044 χ^2/NDF: 30752.0/40



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 36.526+/-0.118 χ^2/NDF:2245.6/3

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 37.054+/-0.193 χ^2/NDF:3391.7/1

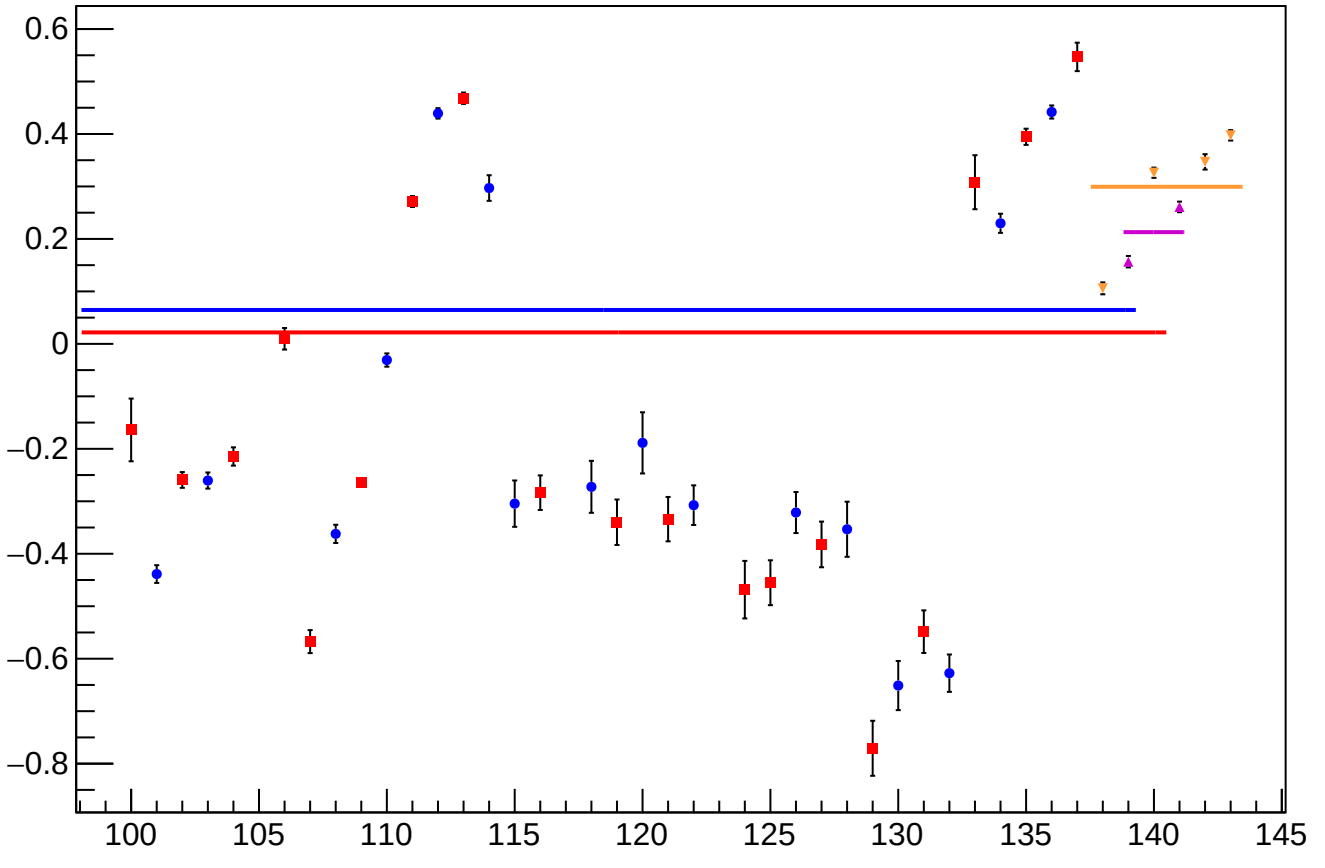
Left: 36.669+/-0.101 χ^2/NDF: 5642.8/5

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.798+/-0.078 χ^2/NDF:18877.1/17

Out: 38.615+/-0.065 χ^2/NDF:20675.9/22

All: 39.926+/-0.050 χ^2/NDF: 40536.5/40



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.299+/-0.006 χ^2/NDF:405.6/3

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.213+/-0.007 χ^2/NDF:49.3/1

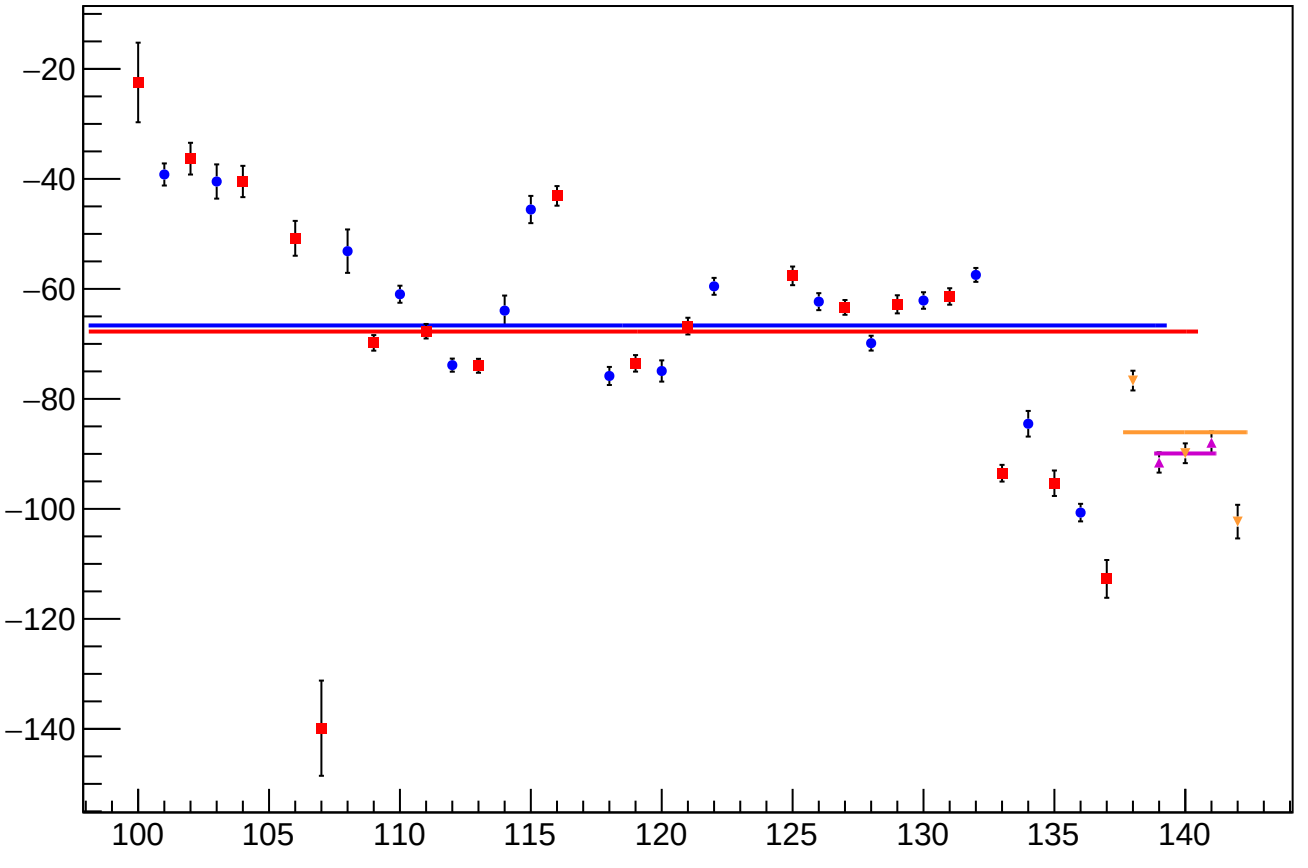
Left: 0.269+/-0.004 χ^2/NDF: 542.5/5

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.109+/-0.004 χ^2/NDF:5827.3/17

Out: 0.130+/-0.003 χ^2/NDF:8365.6/22

All: 0.121+/-0.003 χ^2/NDF: 14208.1/40



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -86.068+/-1.173 χ^2/NDF:60.2/2

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -89.924+/-1.358 χ^2/NDF:1.7/1

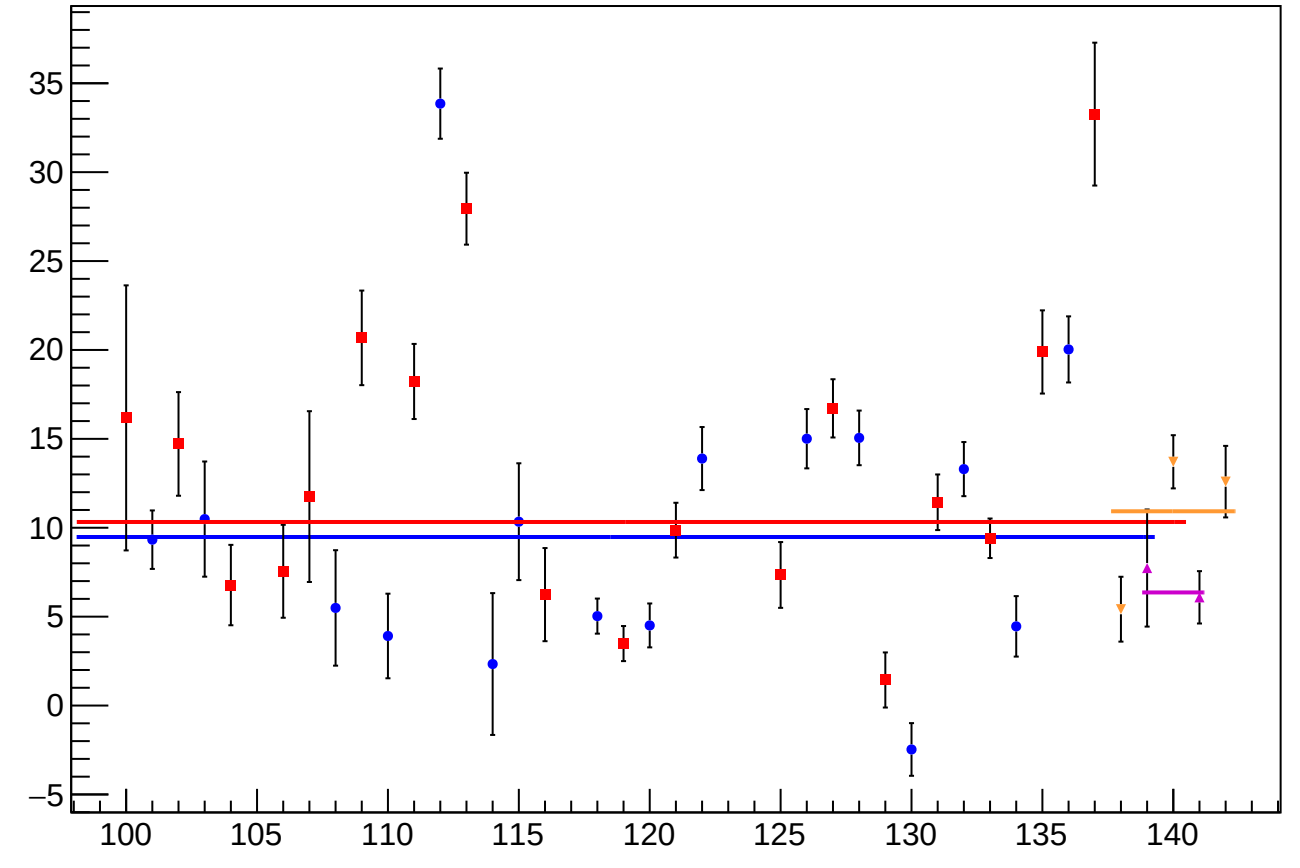
Left: -87.716+/-0.888 χ^2/NDF: 66.6/4

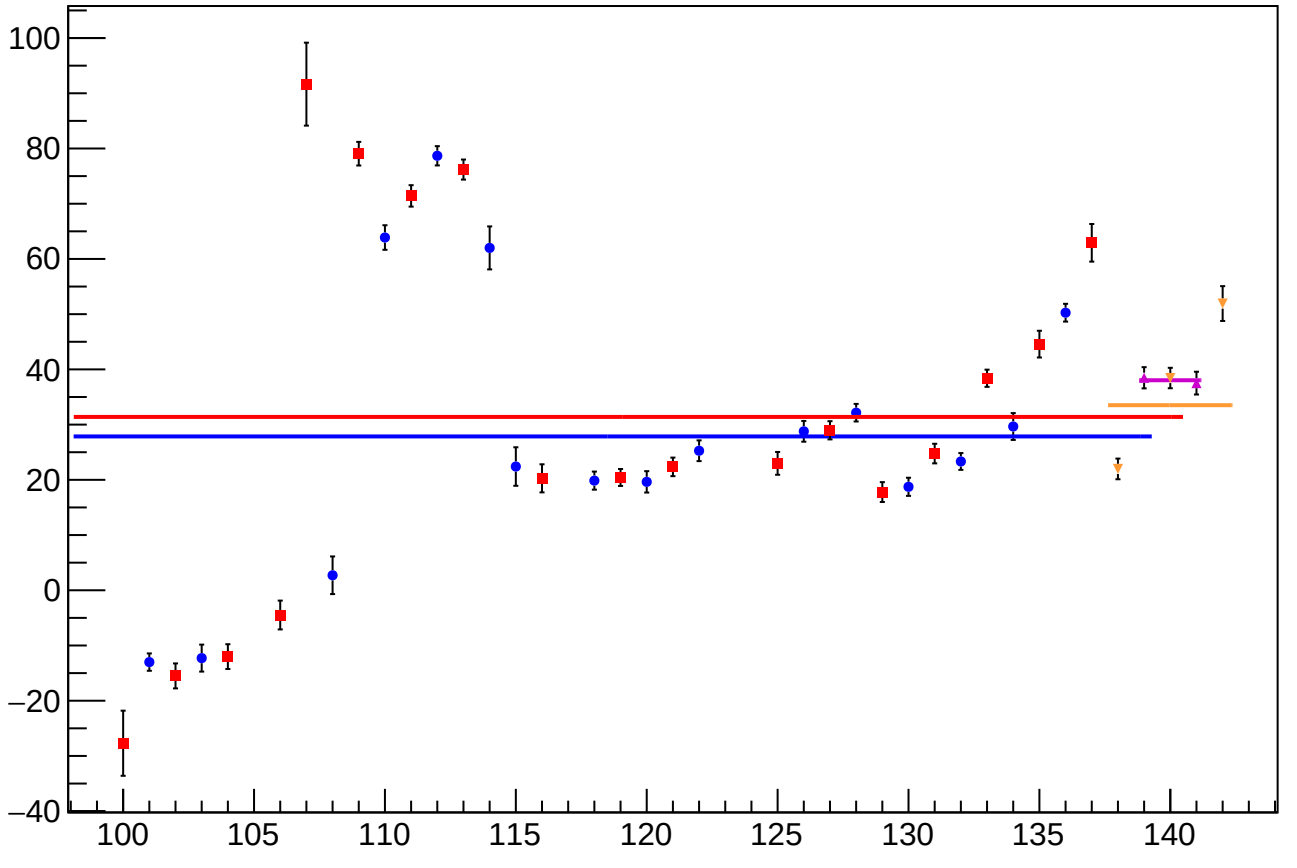
Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -68.735+/-0.407 χ^2/NDF:1321.7/17

Out: -69.832+/-0.395 χ^2/NDF:1531.8/20

All: -69.299+/-0.283 χ^2/NDF: 2857.3/38


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
105
110
115
120
125
130
135
140
Right In: 9.480+/-0.428 χ²/NDF: 341.9/15
Left Out: 10.927+/-1.003 χ²/NDF:13.3/2
Right Out: 10.324+/-0.436 χ²/NDF: 263.4/17
Left In: 6.361+/-1.344 χ²/NDF:0.2/1
Left: 9.294+/-0.804 χ²/NDF: 20.9/4
Right: 9.895+/-0.305 χ²/NDF: 607.3/33
In: 9.192+/-0.408 χ²/NDF:347.0/17
Out: 10.420+/-0.400 χ²/NDF:277.0/20
All: 9.819+/-0.285 χ²/NDF: 628.6/38



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 33.516+/-1.214 χ^2/NDF:79.2/2

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 38.033+/-1.406 χ^2/NDF:0.1/1

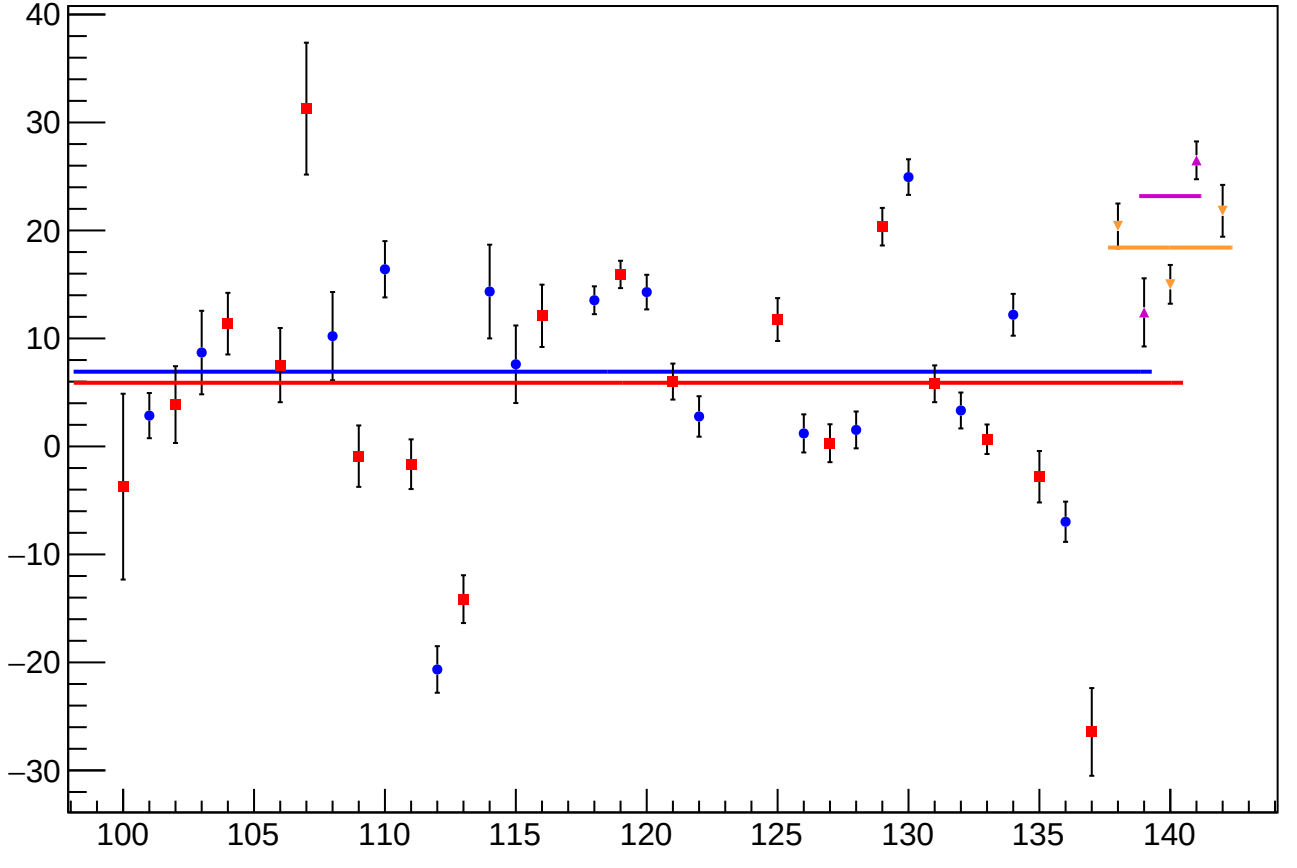
Left: 35.446+/-0.919 χ^2/NDF: 85.2/4

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 28.932+/-0.456 χ^2/NDF:2520.9/17

Out: 31.688+/-0.452 χ^2/NDF:3093.2/20

All: 30.322+/-0.321 χ^2/NDF: 5632.6/38



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.417+/-1.182 χ^2/NDF:6.5/2

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 23.182+/-1.531 χ^2/NDF:15.2/1

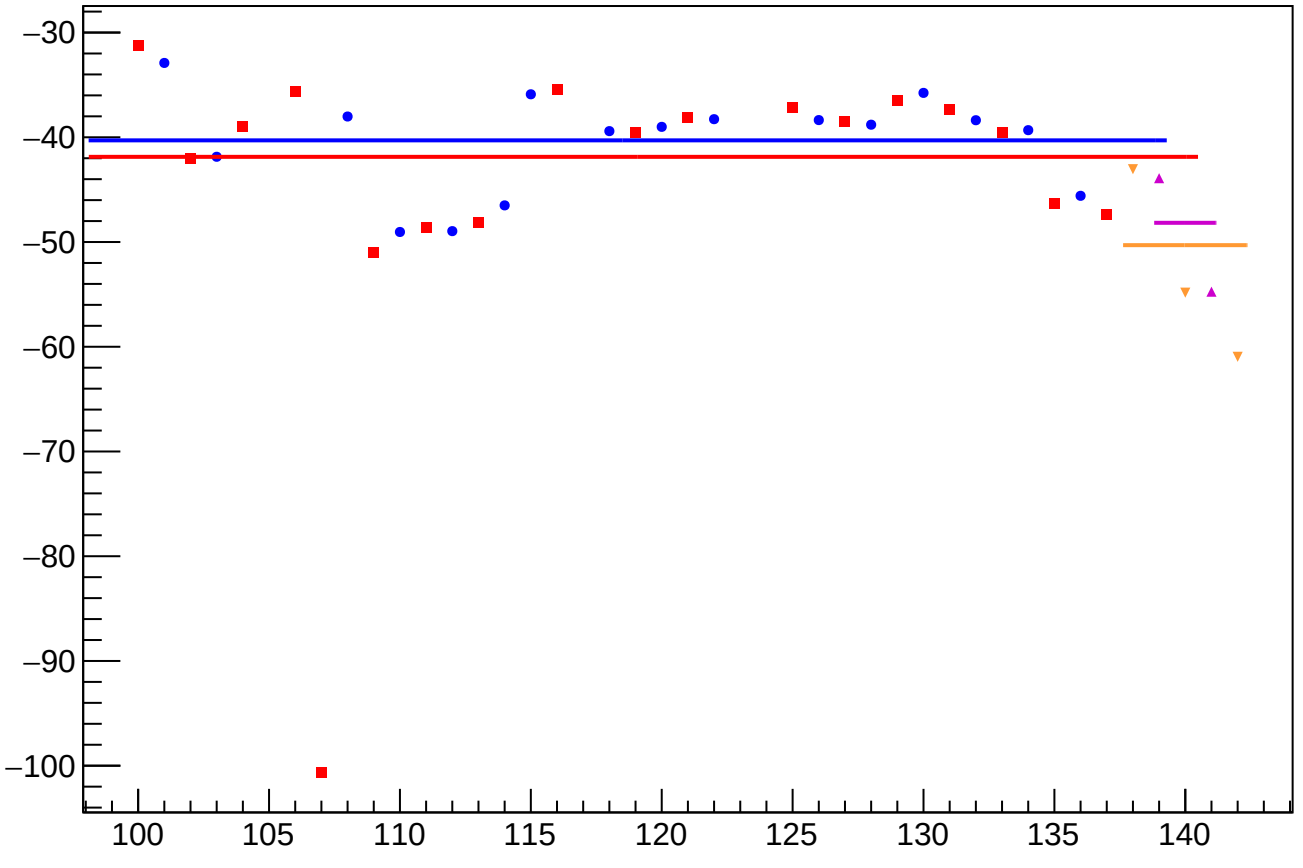
Left: 20.196+/-0.935 χ^2/NDF: 27.8/4

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 8.464+/-0.471 χ^2/NDF:561.7/17

Out: 7.809+/-0.462 χ^2/NDF:469.3/20

All: 8.130+/-0.330 χ^2/NDF: 1032.0/38



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -50.300+/-0.051 χ^2/NDF:19338.5/2

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -48.166+/-0.053 χ^2/NDF:9975.9/1

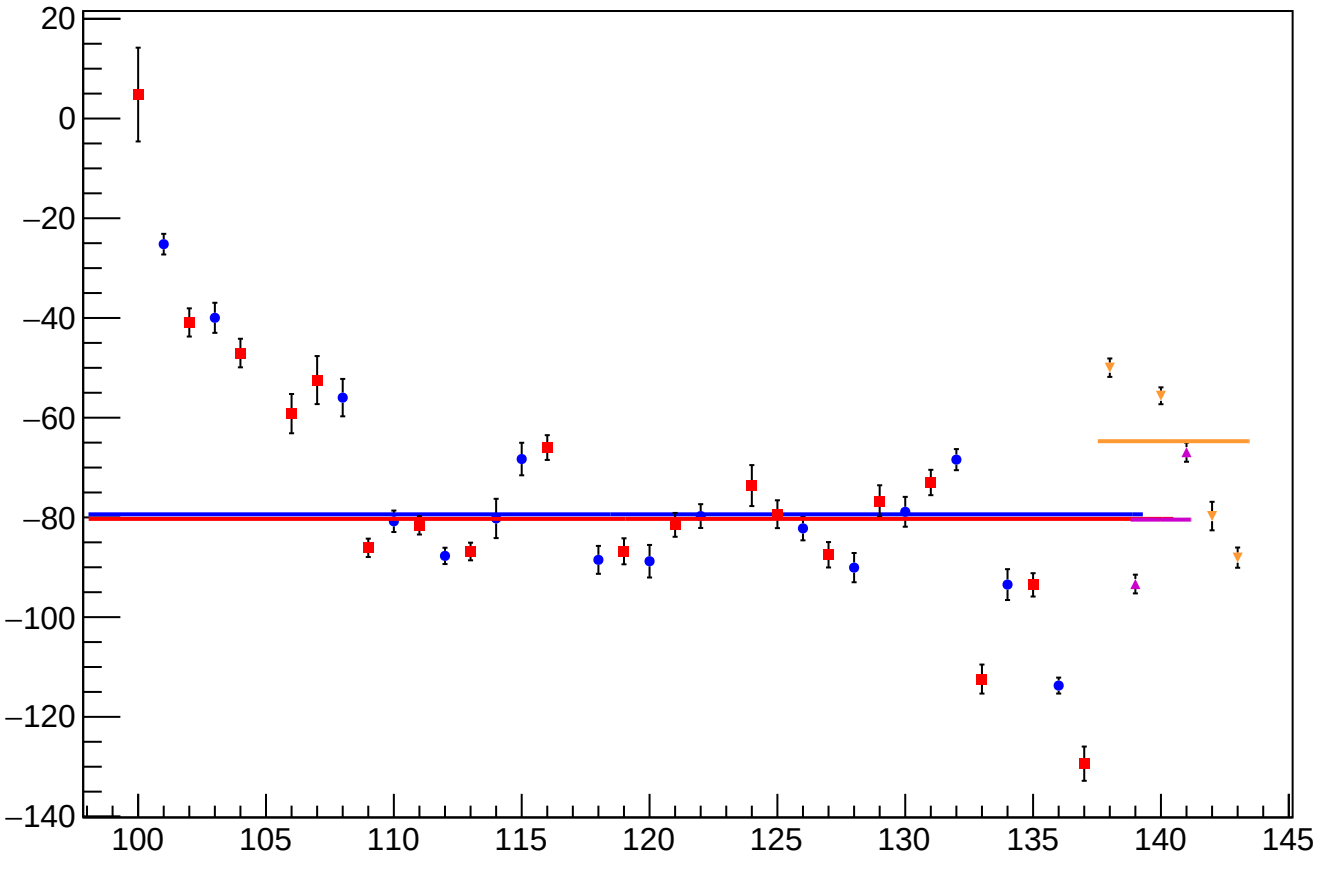
Left: -49.278+/-0.037 χ^2/NDF: 30159.7/4

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.339+/-0.027 χ^2/NDF:46972.3/17

Out: -44.275+/-0.027 χ^2/NDF:97771.7/20

All: -43.302+/-0.019 χ^2/NDF: 147301.3/38



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -64.714+/-0.996 χ^2/NDF:252.7/3

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -80.442+/-1.344 χ^2/NDF:96.7/1

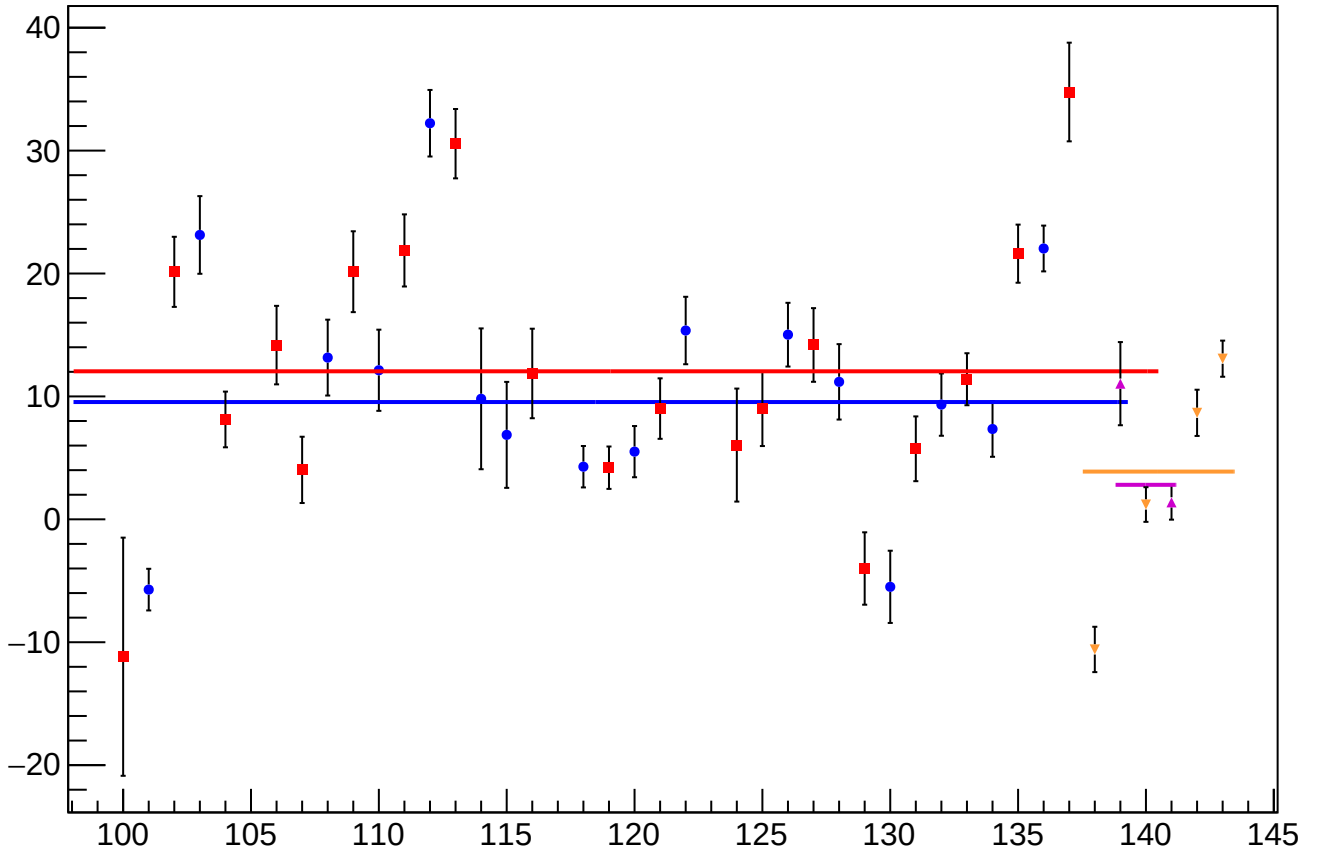
Left: -70.291+/-0.800 χ^2/NDF: 437.8/5

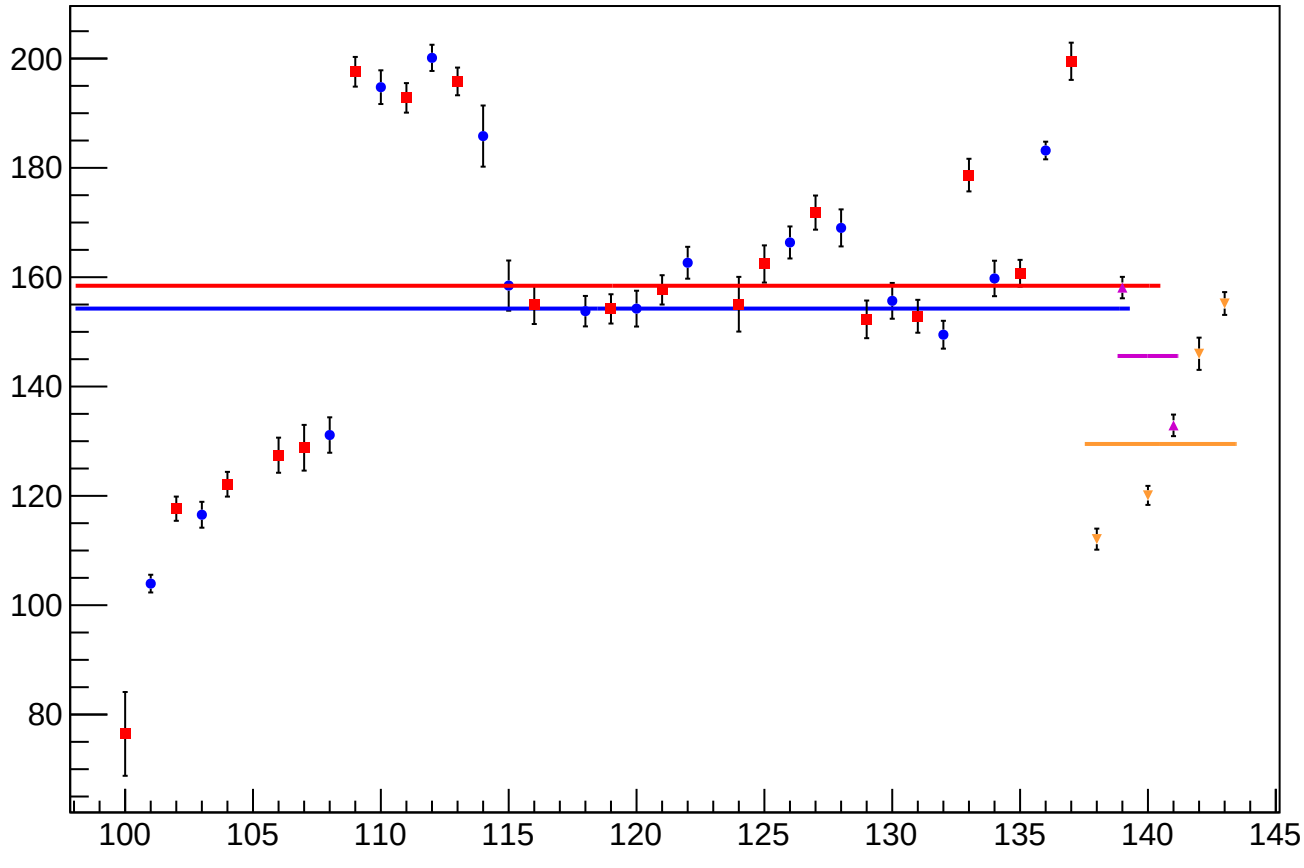
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.564+/-0.556 χ^2/NDF:1573.1/17

Out: -76.106+/-0.517 χ^2/NDF:1346.2/22

All: -77.707+/-0.379 χ^2/NDF: 2940.1/40


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
145
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 3.884+/-0.805 χ²/NDF:110.7/3
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.807+/-1.300 χ²/NDF:6.9/1
Left: 3.586+/-0.684 χ²/NDF: 118.1/5
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 8.290+/-0.561 χ²/NDF:295.9/17
Out: 8.903+/-0.499 χ²/NDF:369.7/22
All: 8.632+/-0.373 χ²/NDF: 666.2/40



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.494+/-1.029 χ^2/NDF:293.8/3

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 145.588+/-1.390 χ^2/NDF:82.2/1

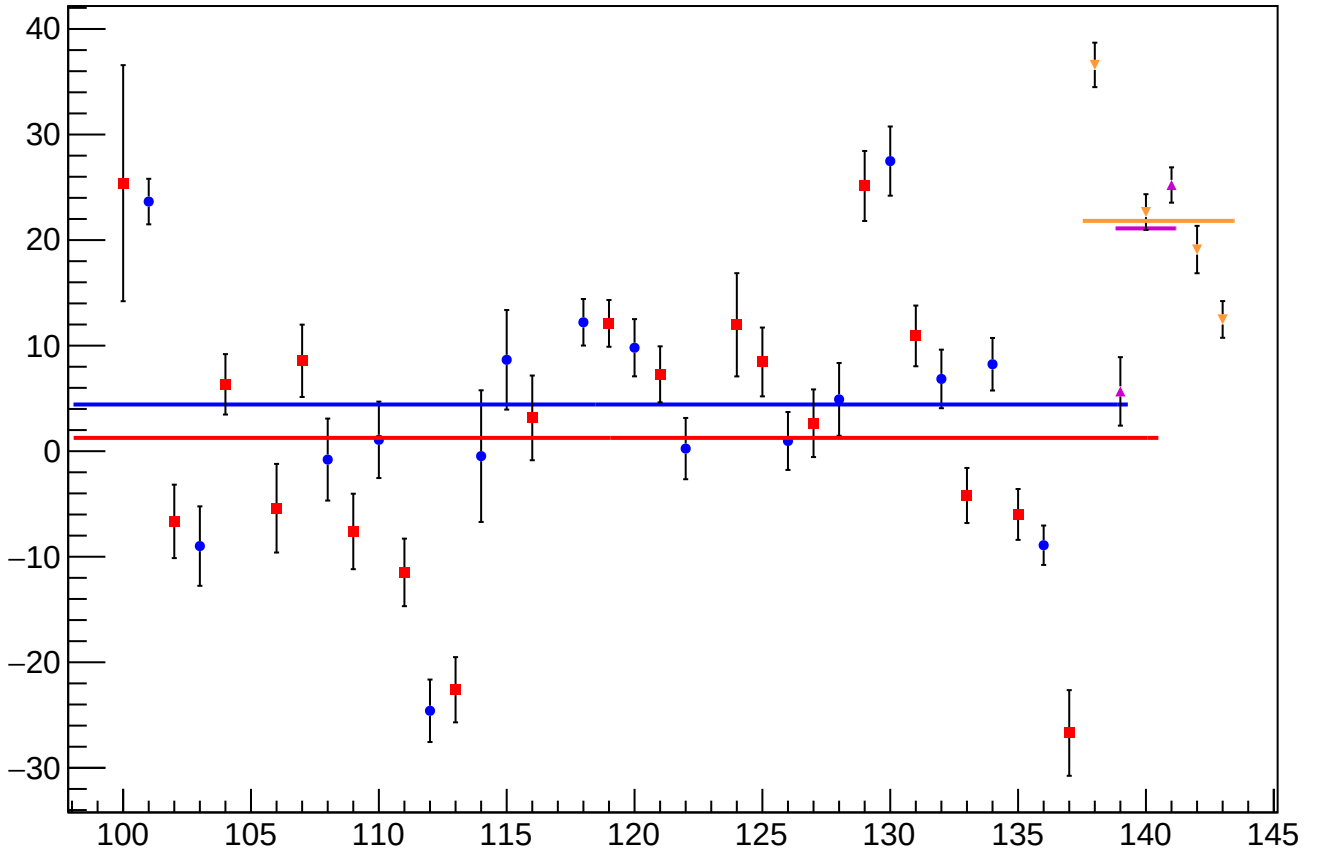
Left: 135.192+/-0.827 χ^2/NDF: 462.6/5

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 152.658+/-0.597 χ^2/NDF:2327.6/17

Out: 149.593+/-0.569 χ^2/NDF:2507.2/22

All: 151.050+/-0.412 χ^2/NDF: 4848.6/40



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 21.818+/-0.952 χ^2/NDF:79.7/3

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 21.107+/-1.488 χ^2/NDF:28.7/1

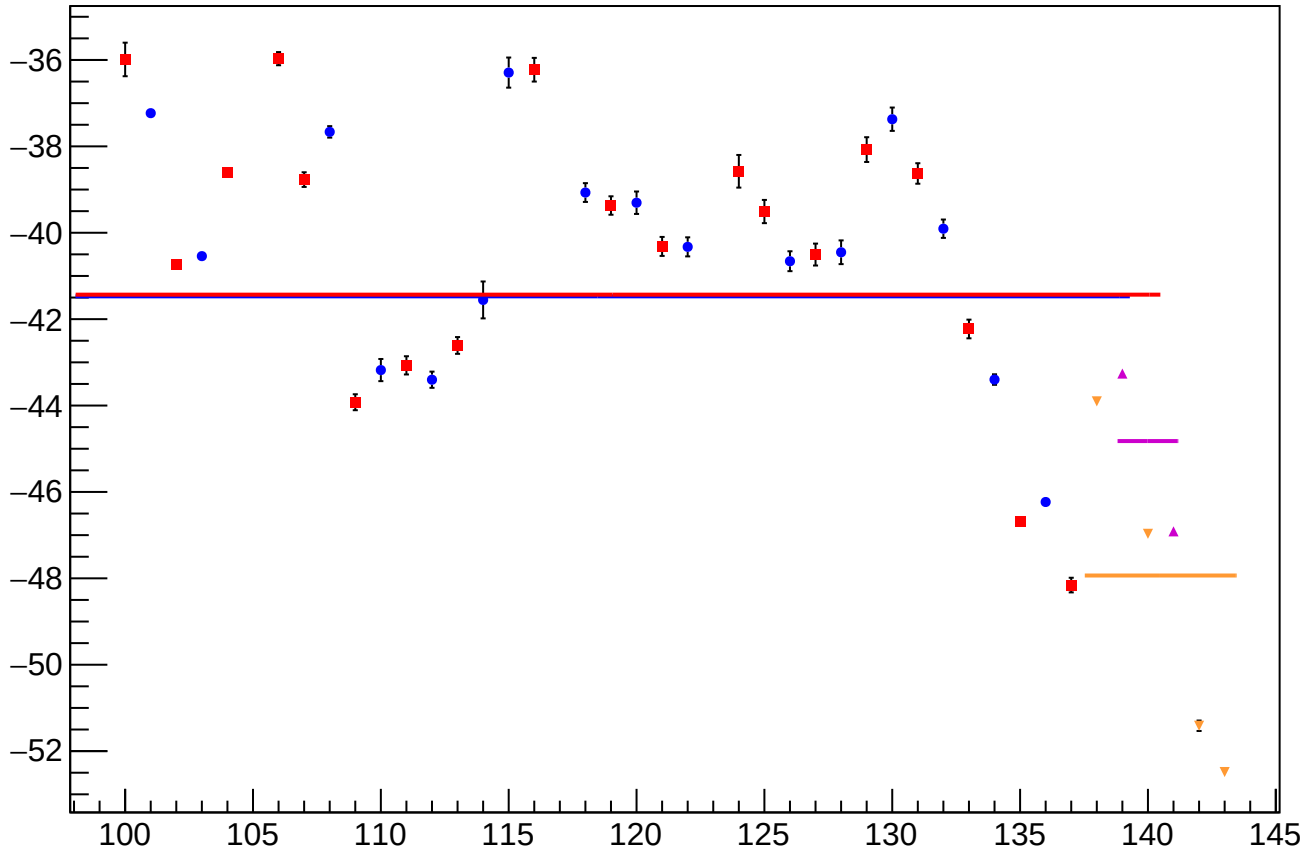
Left: 21.611+/-0.802 χ^2/NDF: 108.6/5

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 7.547+/-0.644 χ^2/NDF:447.0/17

Out: 8.893+/-0.580 χ^2/NDF:637.8/22

All: 8.290+/-0.431 χ^2/NDF: 1087.2/40



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -47.935+/-0.043 χ^2/NDF:6463.8/3

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: -46.688+/-0.033 χ^2/NDF: 9712.0/5

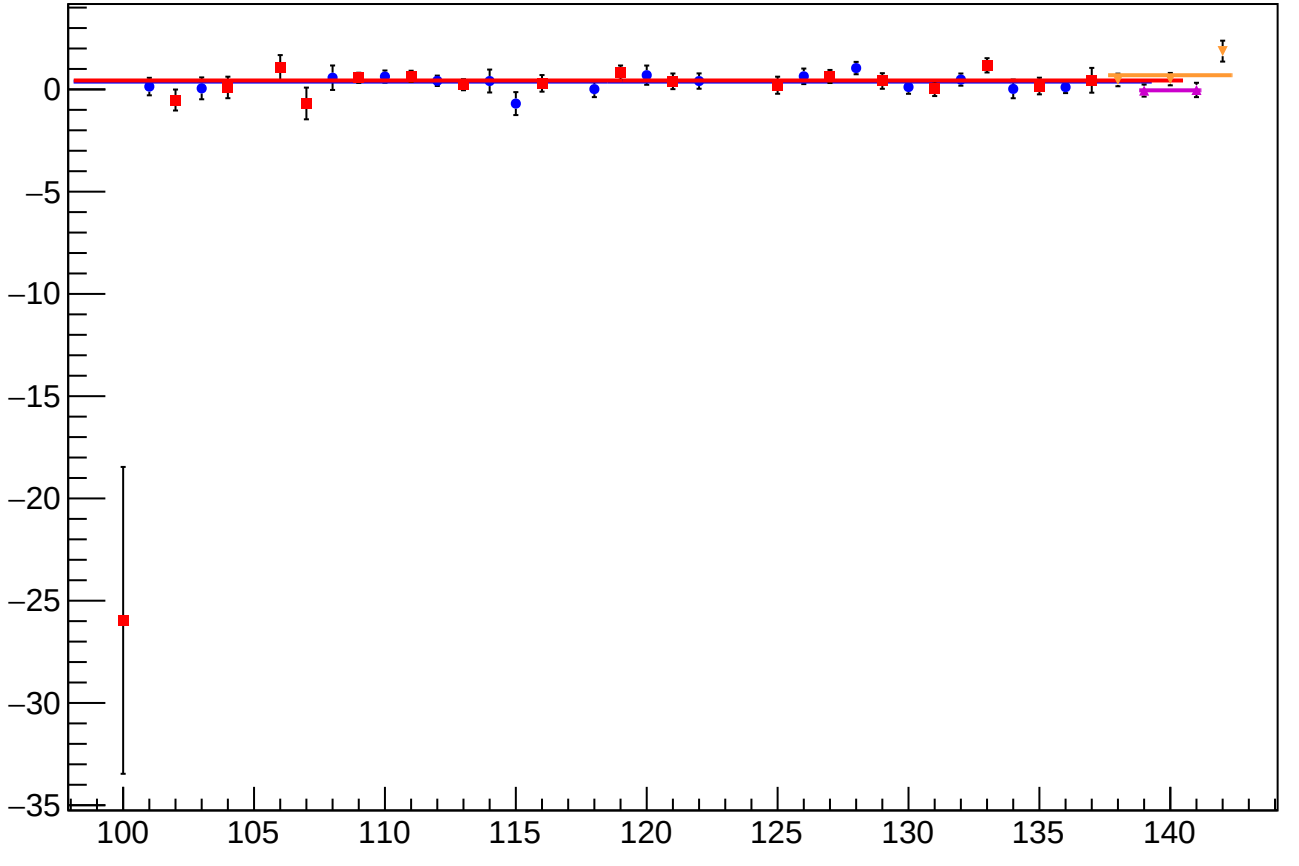
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -42.618+/-0.031 χ^2/NDF:11725.3/17

Out: -44.394+/-0.029 χ^2/NDF:27022.4/22

All: -43.558+/-0.021 χ^2/NDF: 40495.3/40

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.693+/-0.199 χ^2/NDF:6.3/2

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: 0.370+/-0.150 χ^2/NDF: 12.3/4

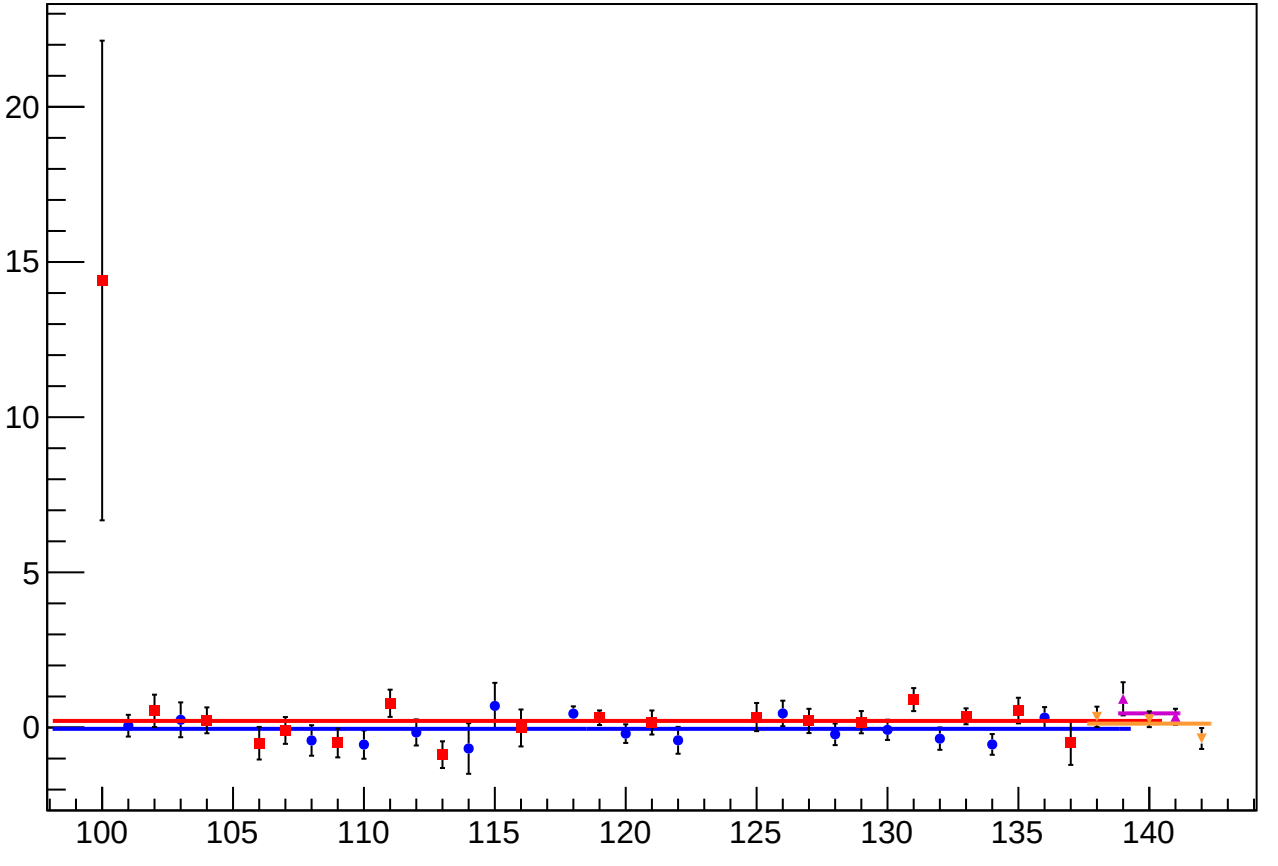
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.321+/-0.085 χ^2/NDF:17.1/17

Out: 0.480+/-0.082 χ^2/NDF:36.6/20

All: 0.404+/-0.059 χ^2/NDF: 55.5/38

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.125+/-0.173 χ^2/NDF:2.8/2

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.456+/-0.233 χ^2/NDF:1.0/1

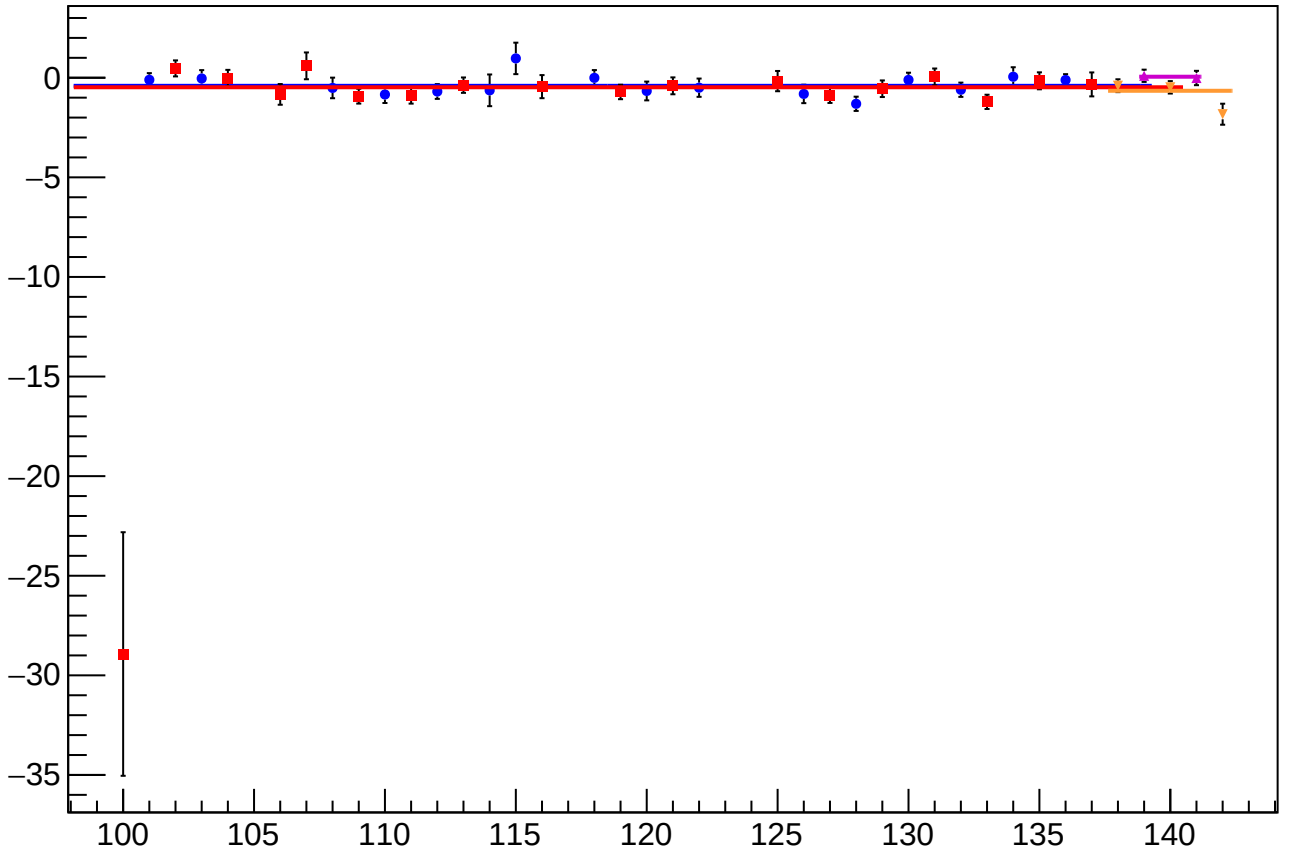
Left: 0.243+/-0.139 χ^2/NDF: 5.0/4

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.028+/-0.087 χ^2/NDF:19.9/17

Out: 0.193+/-0.083 χ^2/NDF:25.4/20

All: 0.114+/-0.060 χ^2/NDF: 47.2/38



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.655+/-0.206 χ^2/NDF:5.9/2

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: 0.051+/-0.234 χ^2/NDF:0.1/1

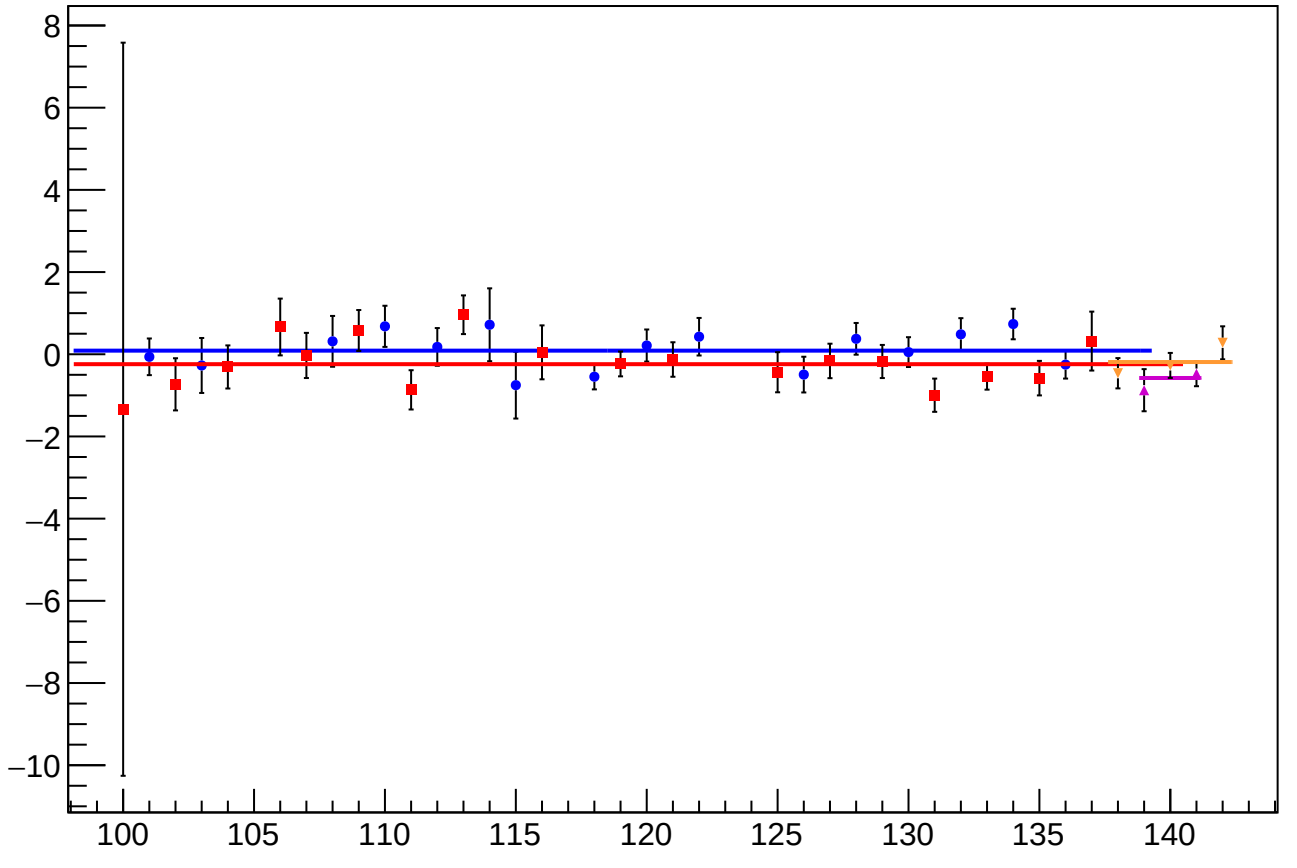
Left: -0.346+/-0.155 χ^2/NDF: 11.1/4

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.331+/-0.094 χ^2/NDF:21.0/17

Out: -0.514+/-0.093 χ^2/NDF:48.7/20

All: -0.424+/-0.066 χ^2/NDF: 71.7/38



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.189+/-0.203 χ^2/NDF:2.0/2

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.578+/-0.263 χ^2/NDF:0.5/1

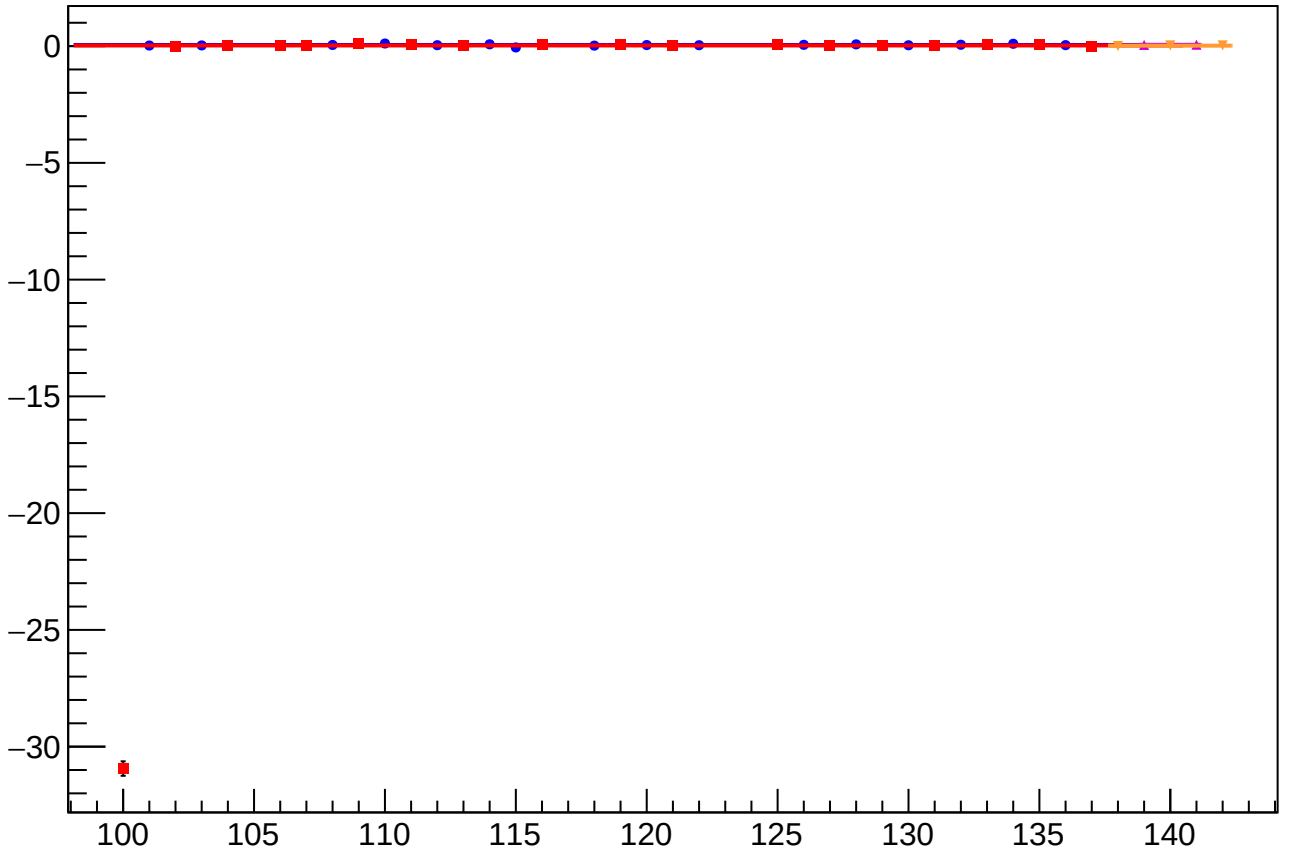
Left: -0.334+/-0.160 χ^2/NDF: 3.8/4

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.009+/-0.100 χ^2/NDF:21.8/17

Out: -0.230+/-0.096 χ^2/NDF:21.6/20

All: -0.123+/-0.069 χ^2/NDF: 46.0/38



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.020+/-0.009 χ^2/NDF:2.0/2

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.055+/-0.009 χ^2/NDF:0.2/1

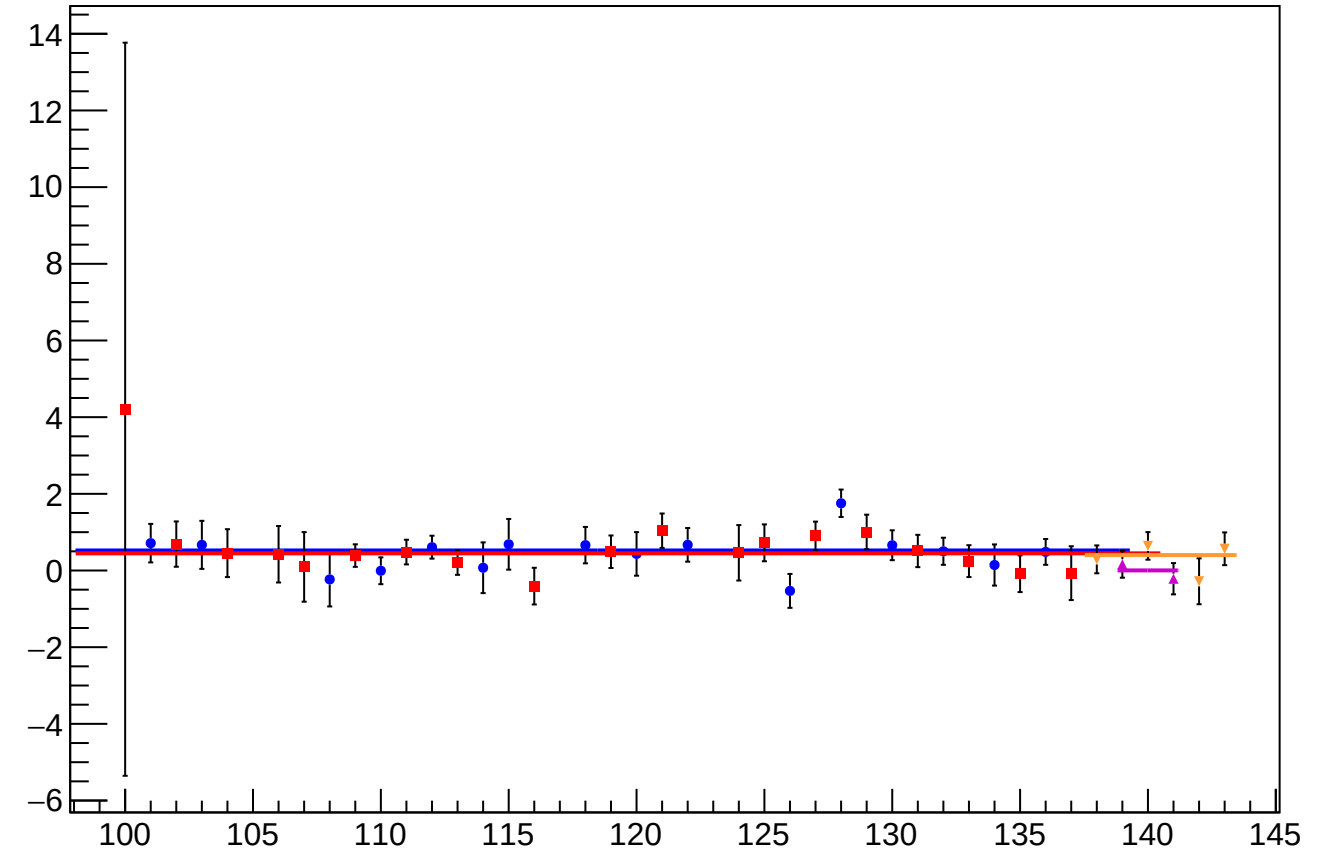
Left: 0.037+/-0.006 χ^2/NDF: 10.7/4

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:10023.5/20

All: 0.038+/-0.004 χ^2/NDF: 10056.3/38



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.402+/-0.206 χ^2/NDF:2.0/3

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: 0.003+/-0.266 χ^2/NDF:0.5/1

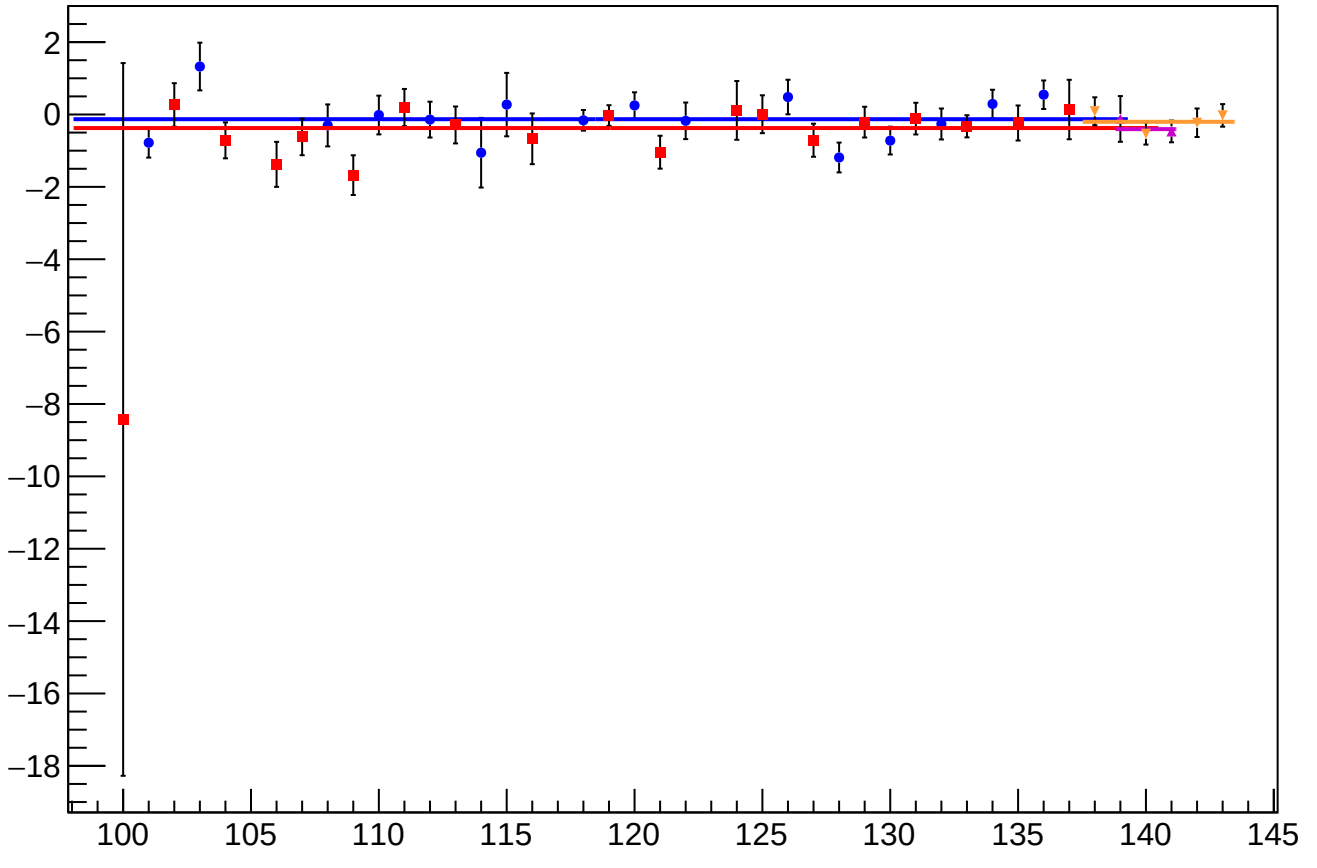
Left: 0.252+/-0.163 χ^2/NDF: 3.9/5

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.448+/-0.100 χ^2/NDF:26.4/17

Out: 0.438+/-0.094 χ^2/NDF:13.4/22

All: 0.443+/-0.068 χ^2/NDF: 39.8/40



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.202+/-0.170 χ^2/NDF:2.1/3

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.405+/-0.271 χ^2/NDF:0.2/1

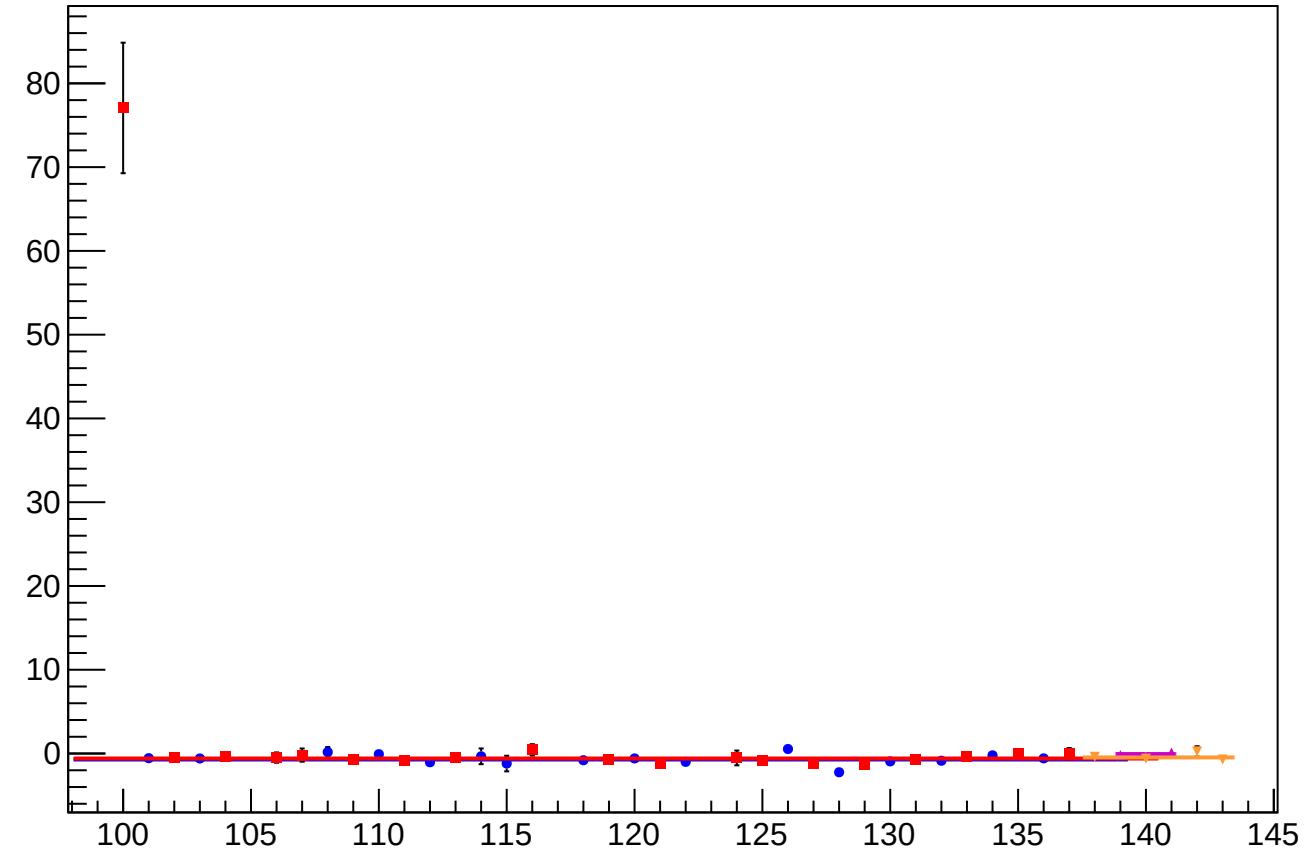
Left: -0.259+/-0.144 χ^2/NDF: 2.7/5

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.170+/-0.103 χ^2/NDF:25.7/17

Out: -0.323+/-0.093 χ^2/NDF:21.0/22

All: -0.254+/-0.069 χ^2/NDF: 47.9/40



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.468+/-0.213 χ^2/NDF:1.9/3

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: -0.317+/-0.168 χ^2/NDF: 3.5/5

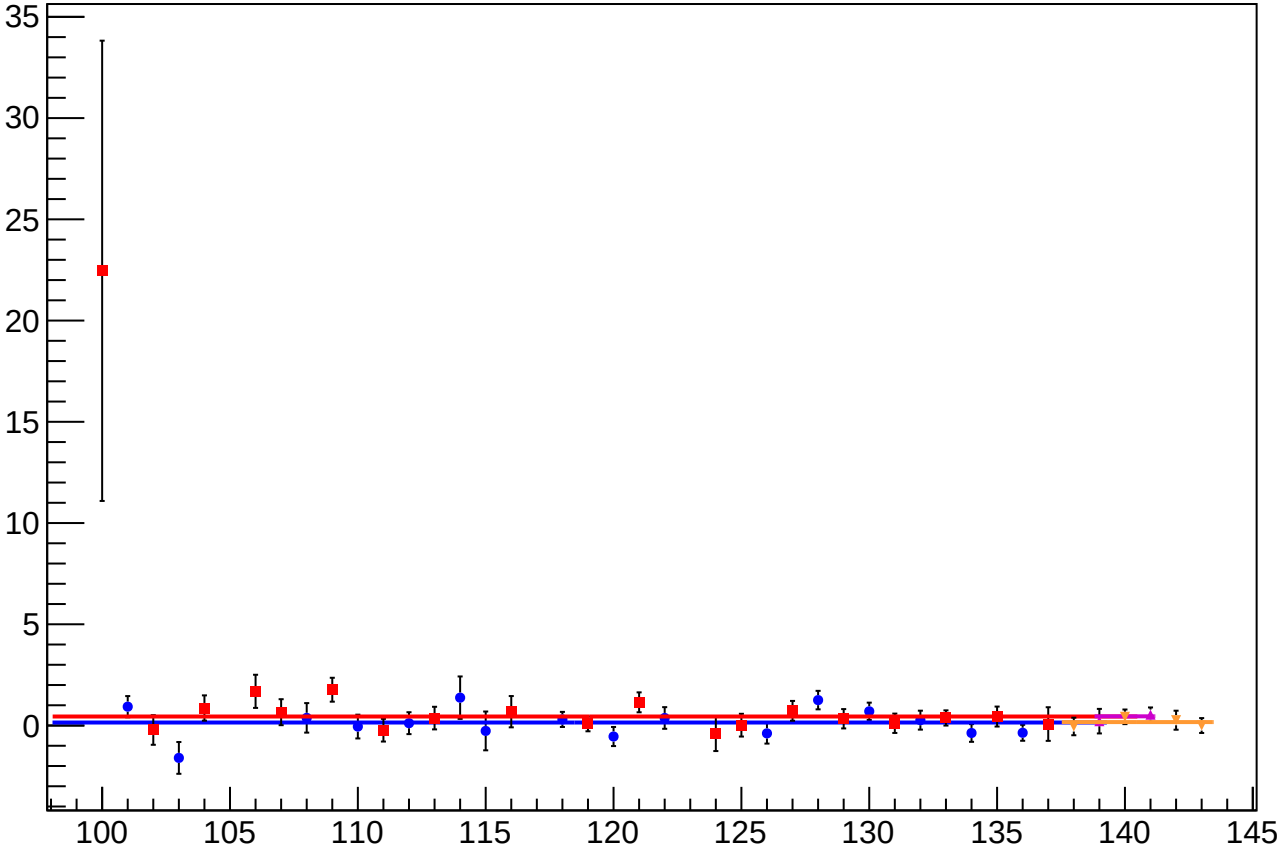
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.607+/-0.111 χ^2/NDF:29.9/17

Out: -0.566+/-0.106 χ^2/NDF:113.1/22

All: -0.585+/-0.077 χ^2/NDF: 143.0/40

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.170+/-0.200 χ^2/NDF:1.0/3

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.454+/-0.307 χ^2/NDF:0.2/1

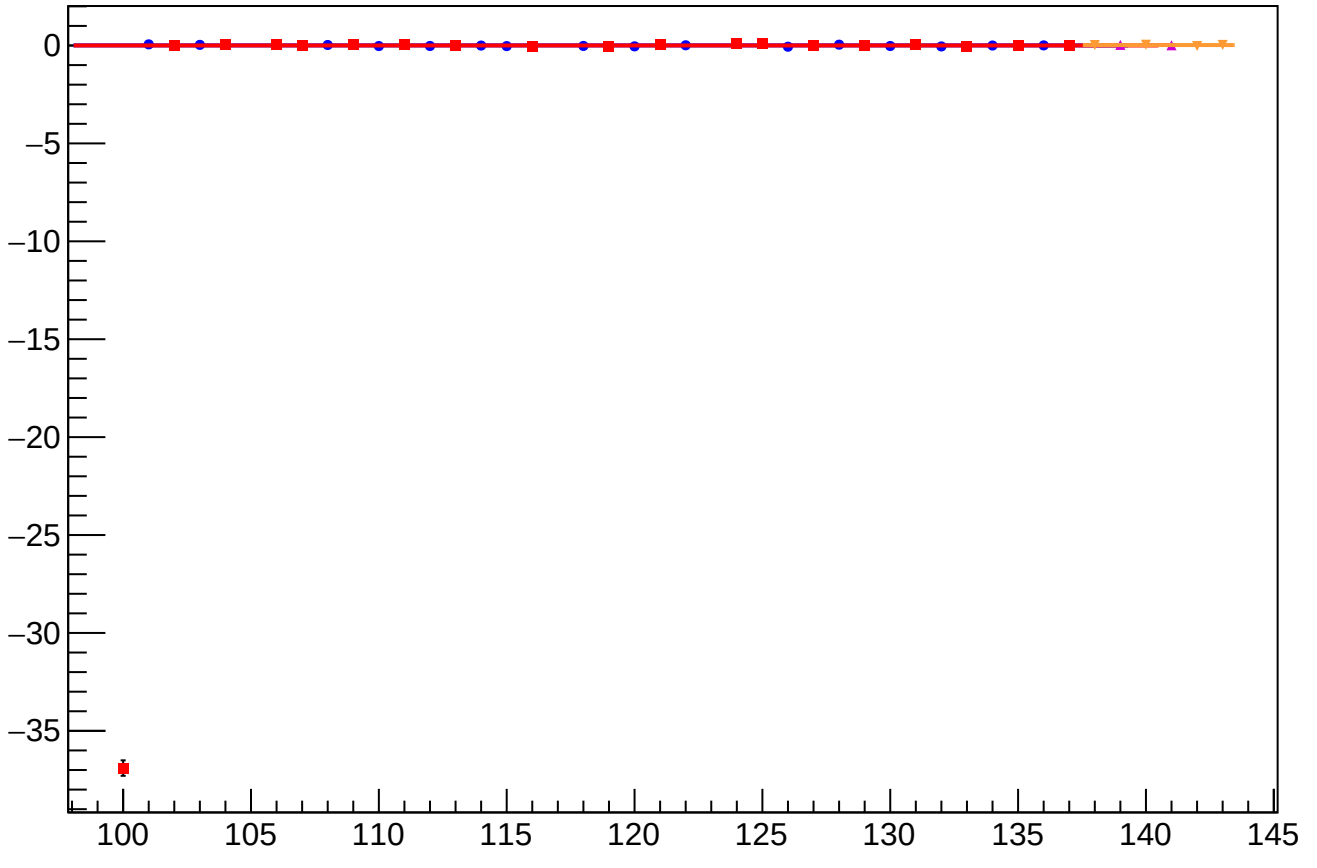
Left: 0.254+/-0.168 χ^2/NDF: 1.8/5

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.193+/-0.118 χ^2/NDF:24.3/17

Out: 0.365+/-0.108 χ^2/NDF:22.1/22

All: 0.287+/-0.080 χ^2/NDF: 47.5/40



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.023+/-0.009 χ^2/NDF:5.2/3

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.025+/-0.010 χ^2/NDF:1.0/1

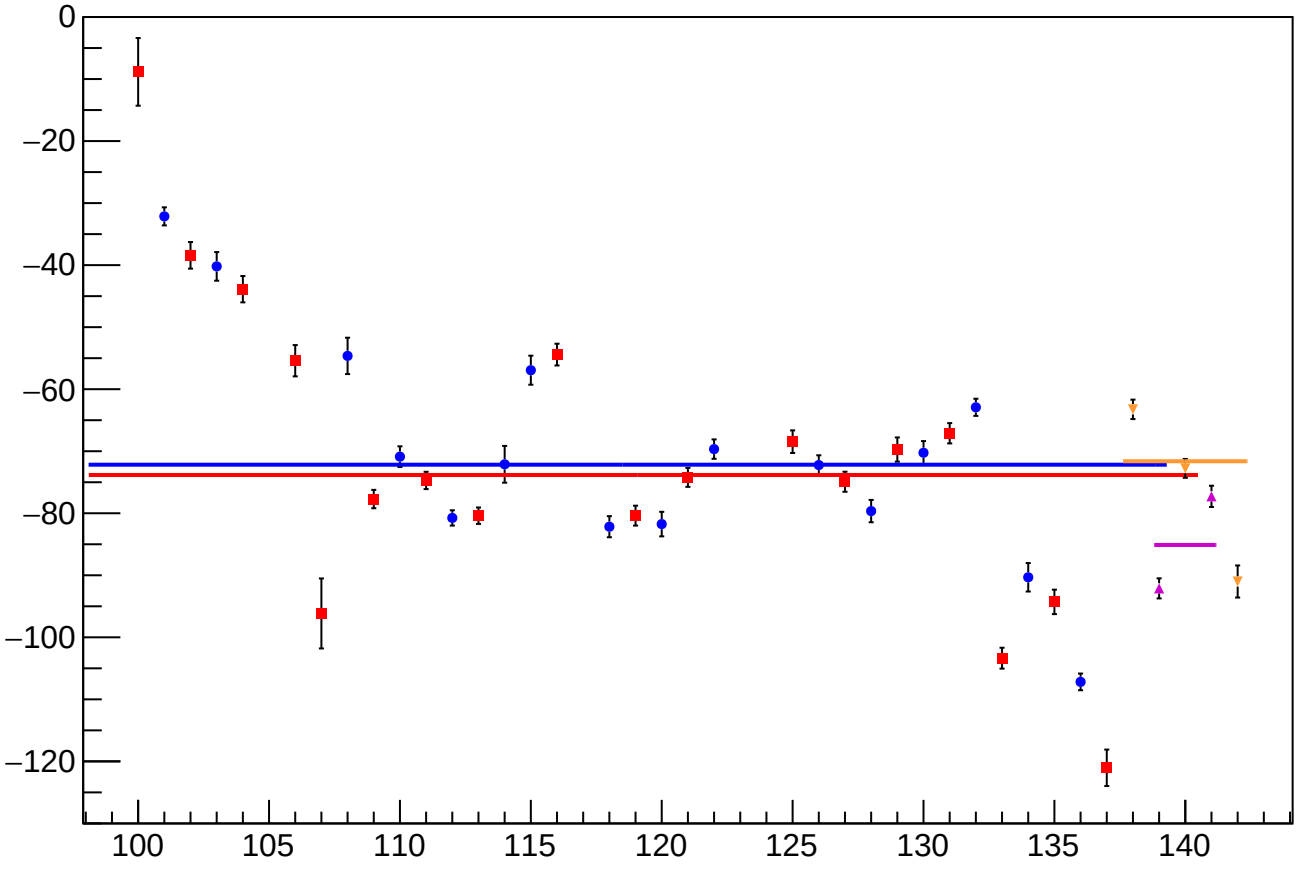
Left: 0.024+/-0.007 χ^2/NDF: 6.2/5

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:8761.8/22

All: 0.012+/-0.004 χ^2/NDF: 8782.7/40



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -71.613+/-1.006 χ^2/NDF:85.2/2

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -85.111+/-1.176 χ^2/NDF:39.7/1

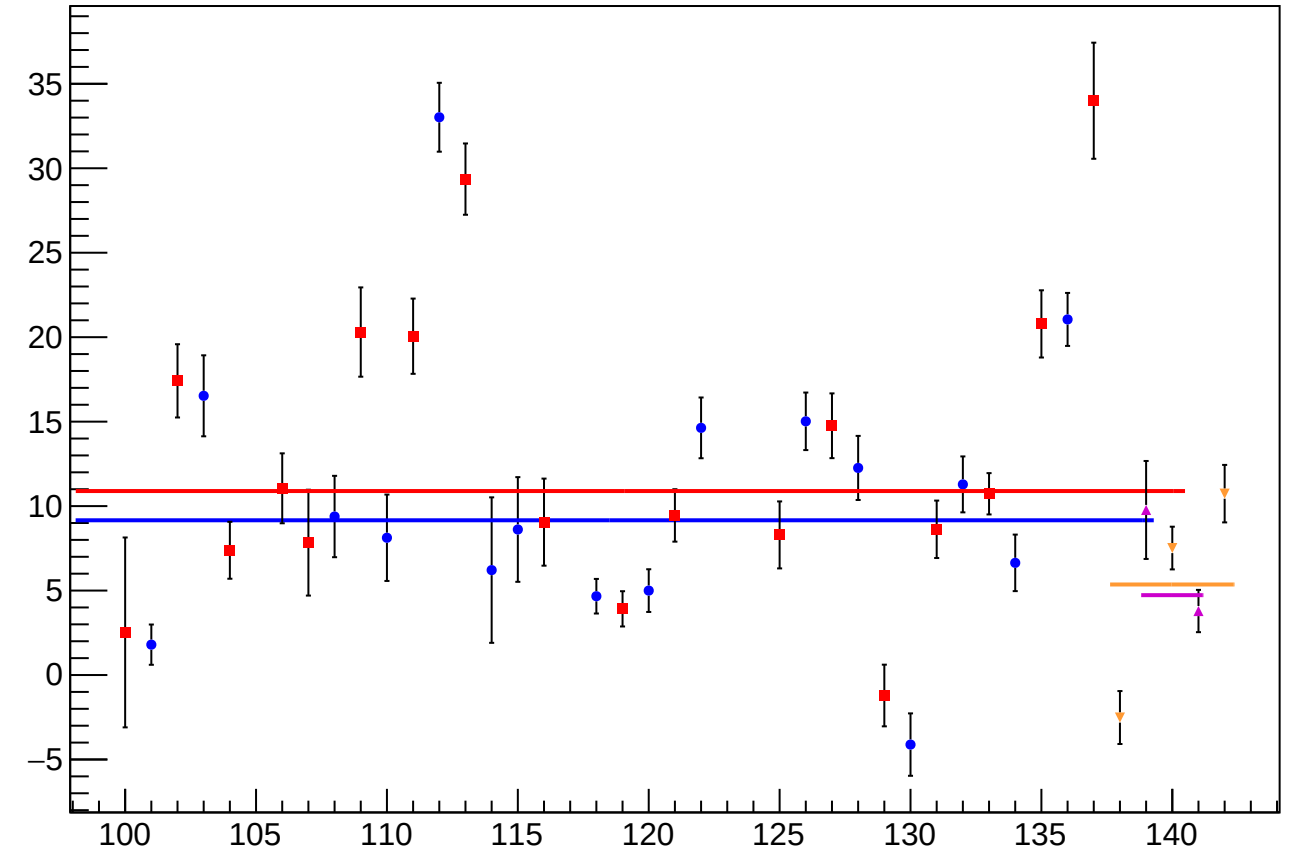
Left: -77.315+/-0.764 χ^2/NDF: 200.9/4

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -73.711+/-0.405 χ^2/NDF:2082.3/17

Out: -73.487+/-0.396 χ^2/NDF:1647.0/20

All: -73.596+/-0.283 χ^2/NDF: 3729.4/38



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.360+/-0.852 χ^2/NDF:38.2/2

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: 5.136+/-0.684 χ^2/NDF: 41.9/4

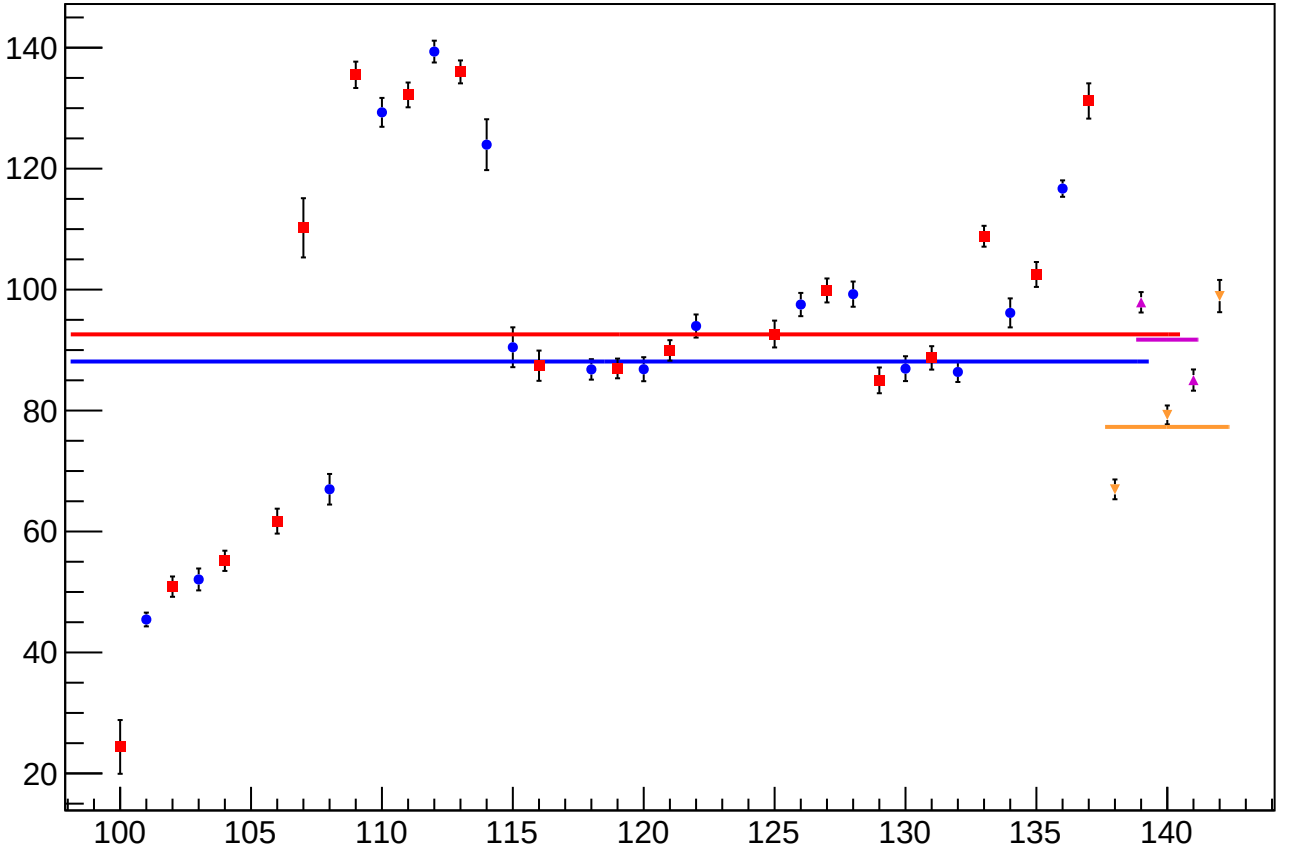
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 8.627+/-0.399 χ^2/NDF:368.8/17

Out: 9.726+/-0.391 χ^2/NDF:361.6/20

All: 9.187+/-0.279 χ^2/NDF: 734.3/38

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: 77.295+/-1.041 χ^2/NDF:107.2/2

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 91.723+/-1.217 χ^2/NDF:27.9/1

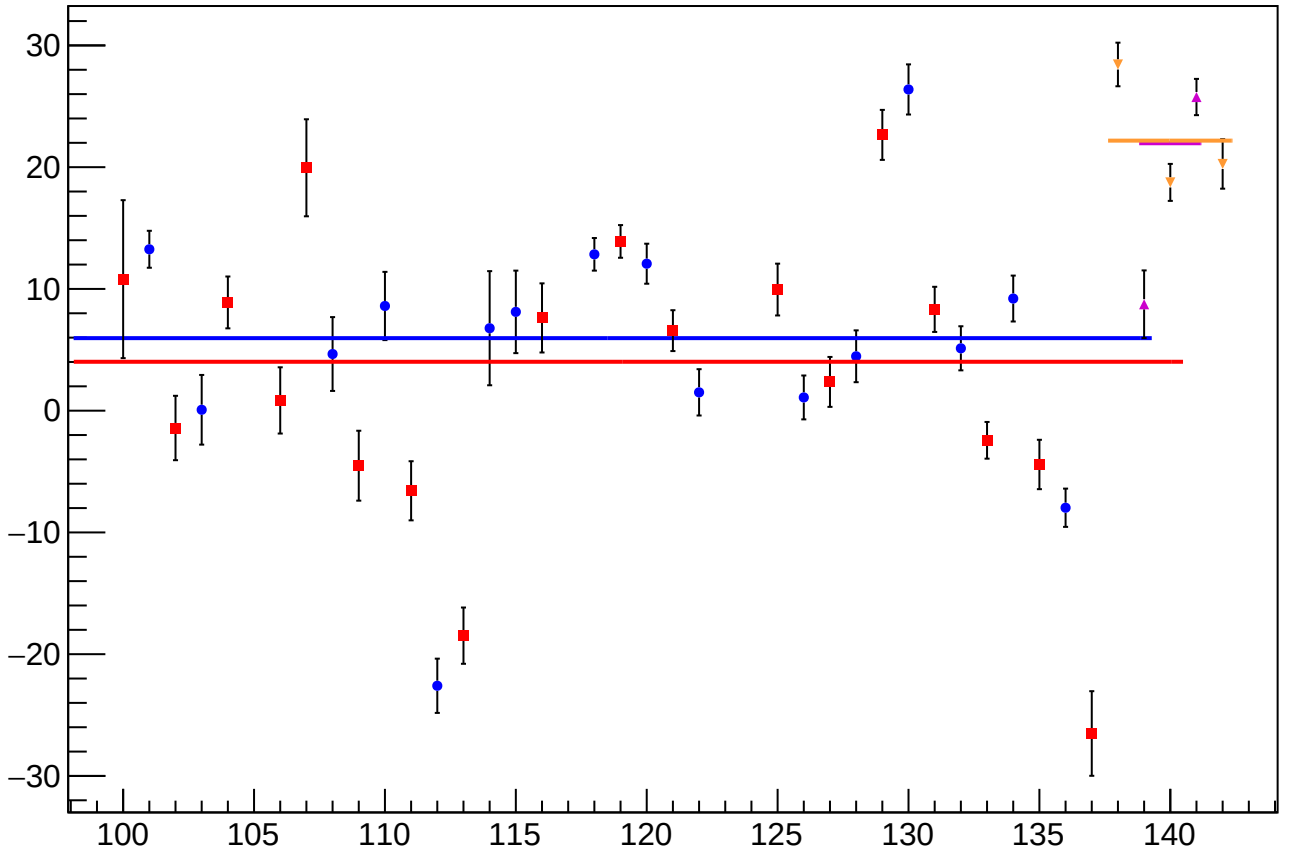
Left: 83.391+/-0.791 χ^2/NDF: 216.2/4

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 88.576+/-0.437 χ^2/NDF:3597.2/17

Out: 89.884+/-0.438 χ^2/NDF:3496.0/20

All: 89.229+/-0.310 χ^2/NDF: 7097.7/38



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 22.180+/-1.006 χ^2/NDF:18.2/2

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 21.965+/-1.313 χ^2/NDF:29.1/1

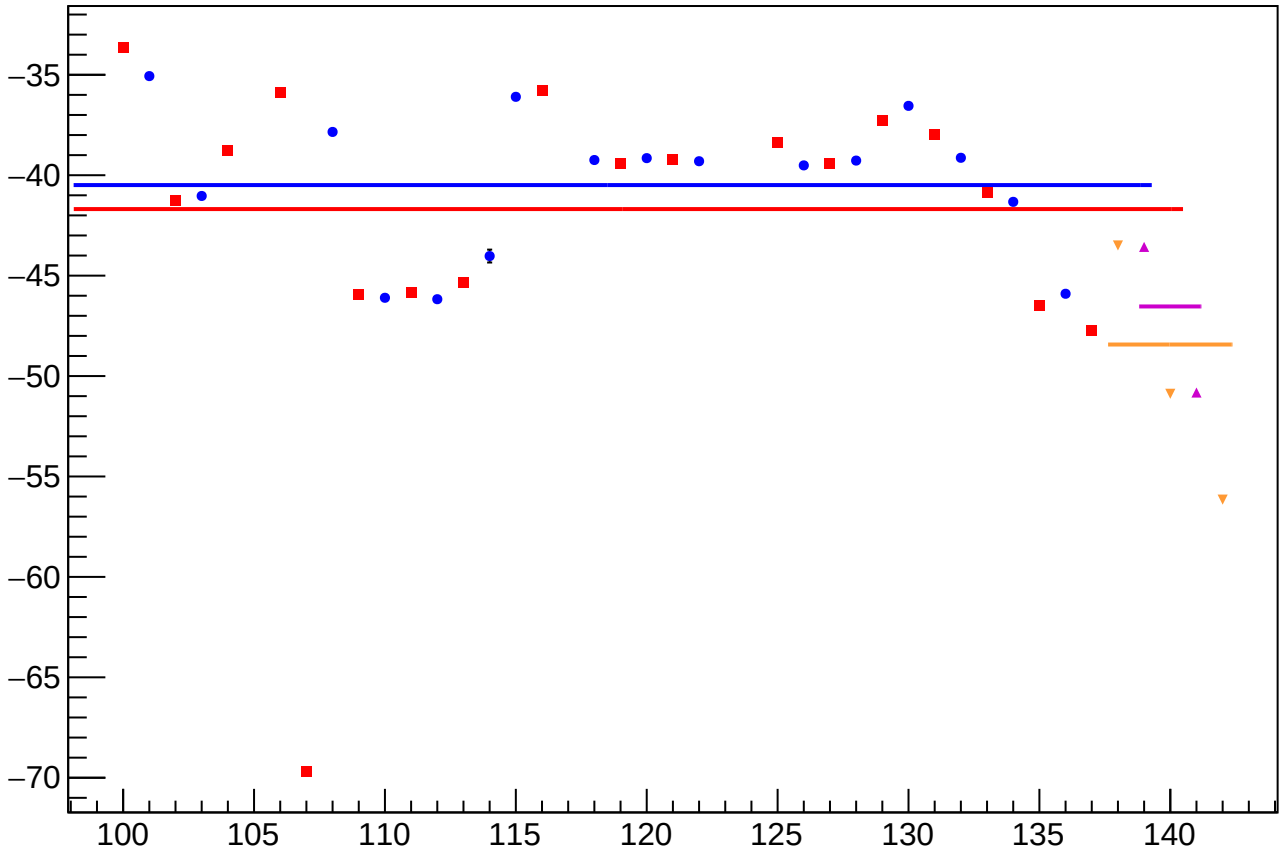
Left: 22.101+/-0.799 χ^2/NDF: 47.3/4

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 7.948+/-0.463 χ^2/NDF:586.1/17

Out: 7.725+/-0.455 χ^2/NDF:695.2/20

All: 7.835+/-0.324 χ^2/NDF: 1281.4/38



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -48.430+/-0.044 χ^2/NDF:11902.2/2

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -46.535+/-0.046 χ^2/NDF:5991.1/1

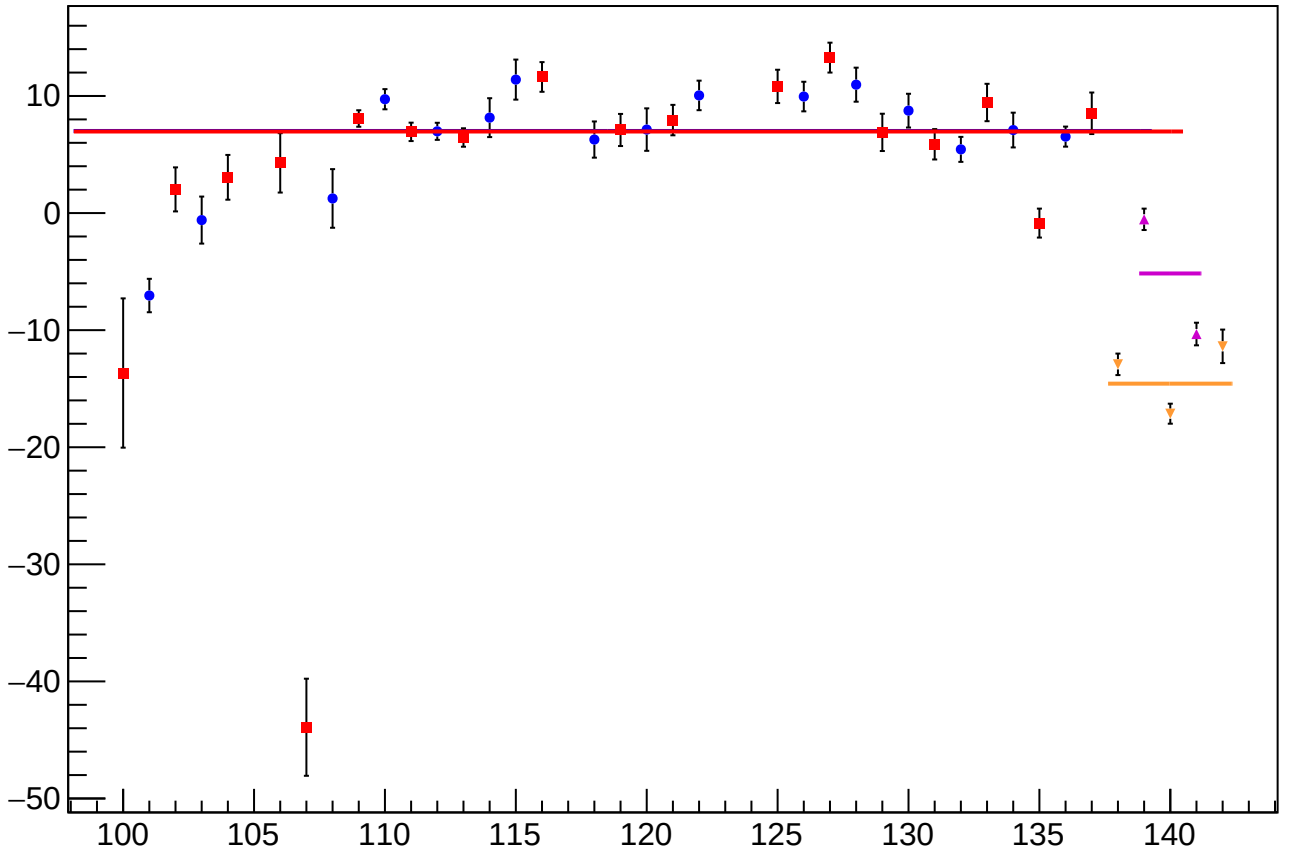
Left: -47.531+/-0.032 χ^2/NDF: 18783.3/4

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -42.148+/-0.024 χ^2/NDF:36612.5/17

Out: -43.770+/-0.024 χ^2/NDF:65164.1/20

All: -42.952+/-0.017 χ^2/NDF: 104017.1/38



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -14.569+/-0.573 χ^2/NDF:17.2/2

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.159+/-0.664 χ^2/NDF:54.3/1

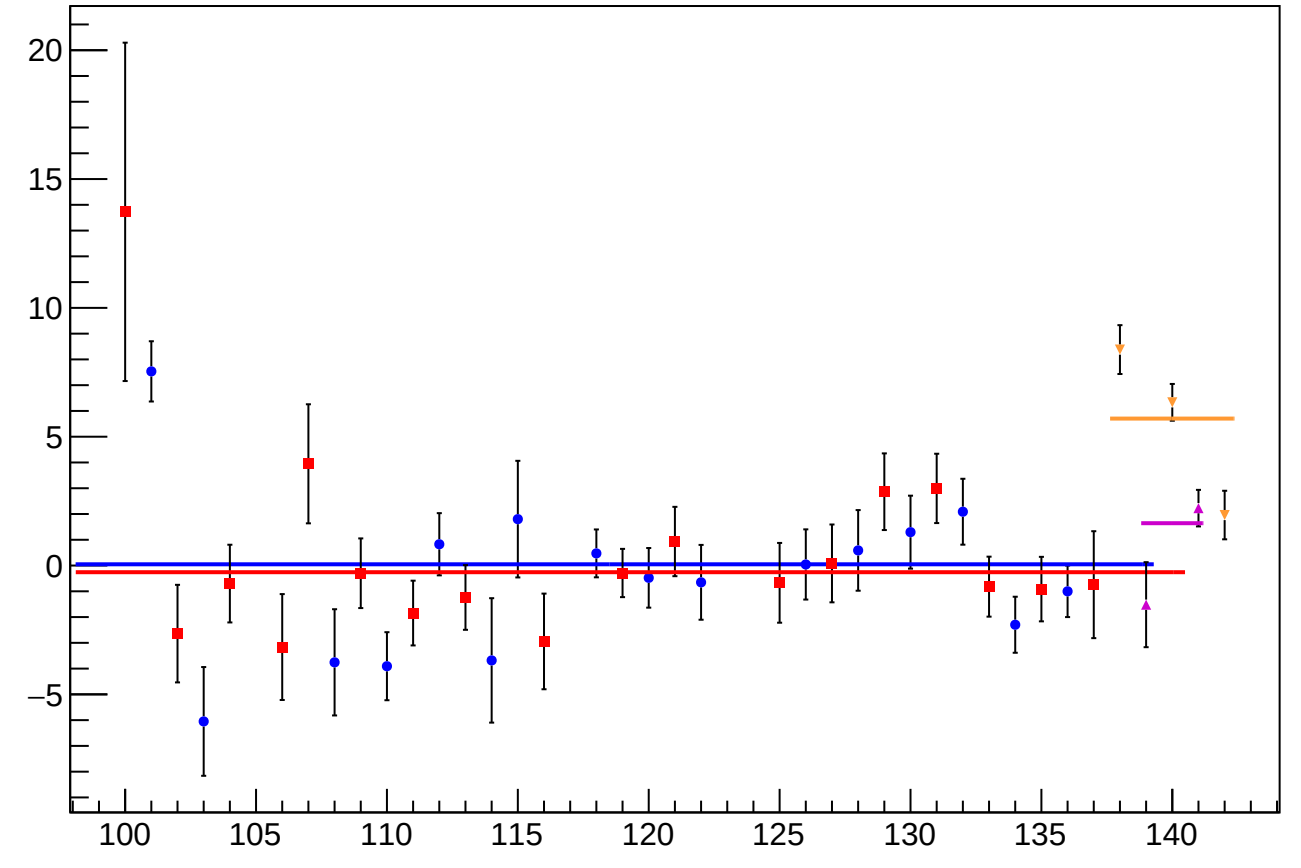
Left: -10.550+/-0.434 χ^2/NDF: 186.6/4

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 4.841+/-0.280 χ^2/NDF:486.7/17

Out: 2.381+/-0.265 χ^2/NDF:1394.1/20

All: 3.540+/-0.192 χ^2/NDF: 1921.5/38



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 5.704+/-0.488 χ^2/NDF:24.5/2

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 1.643+/-0.652 χ^2/NDF:4.4/1

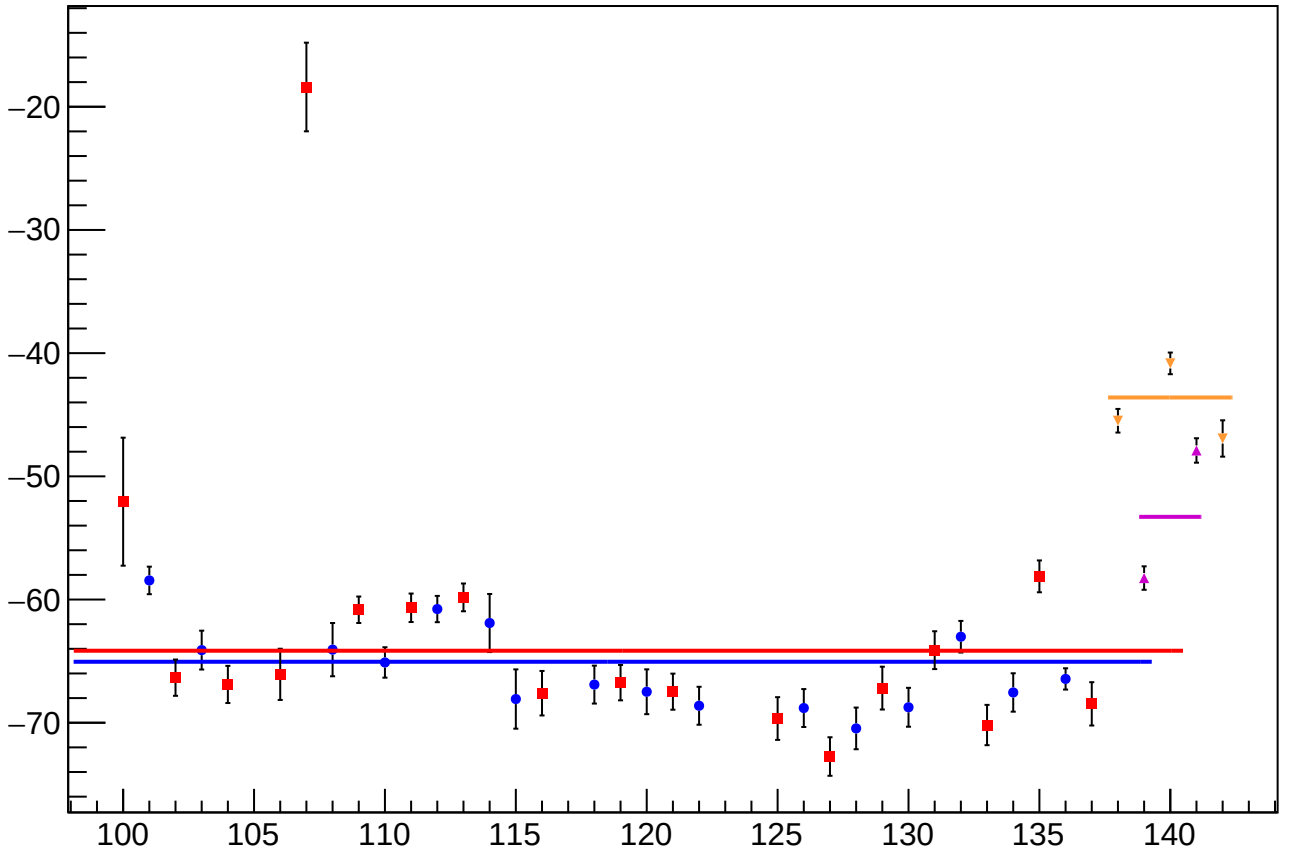
Left: 4.245+/-0.390 χ^2/NDF: 53.8/4

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.376+/-0.295 χ^2/NDF:84.1/17

Out: 1.725+/-0.281 χ^2/NDF:151.8/20

All: 1.083+/-0.204 χ^2/NDF: 246.8/38



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -43.598+/-0.593 χ^2/NDF:18.9/2

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.288+/-0.687 χ^2/NDF:56.8/1

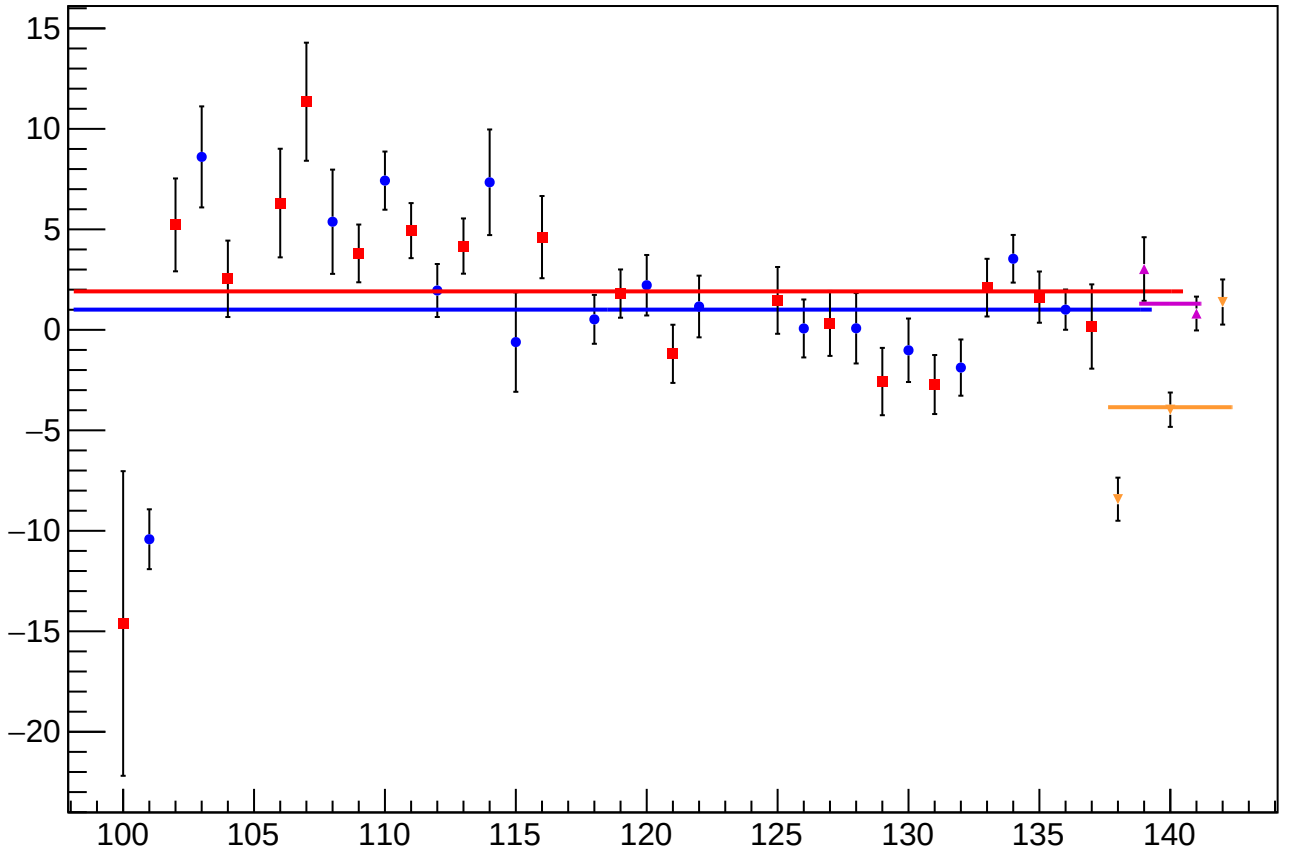
Left: -47.739+/-0.449 χ^2/NDF: 189.7/4

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -62.581+/-0.315 χ^2/NDF:381.4/17

Out: -58.612+/-0.308 χ^2/NDF:1199.7/20

All: -60.555+/-0.220 χ^2/NDF: 1662.3/38



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -3.849+/-0.574 χ^2/NDF:40.0/2

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 1.300+/-0.743 χ^2/NDF:1.5/1

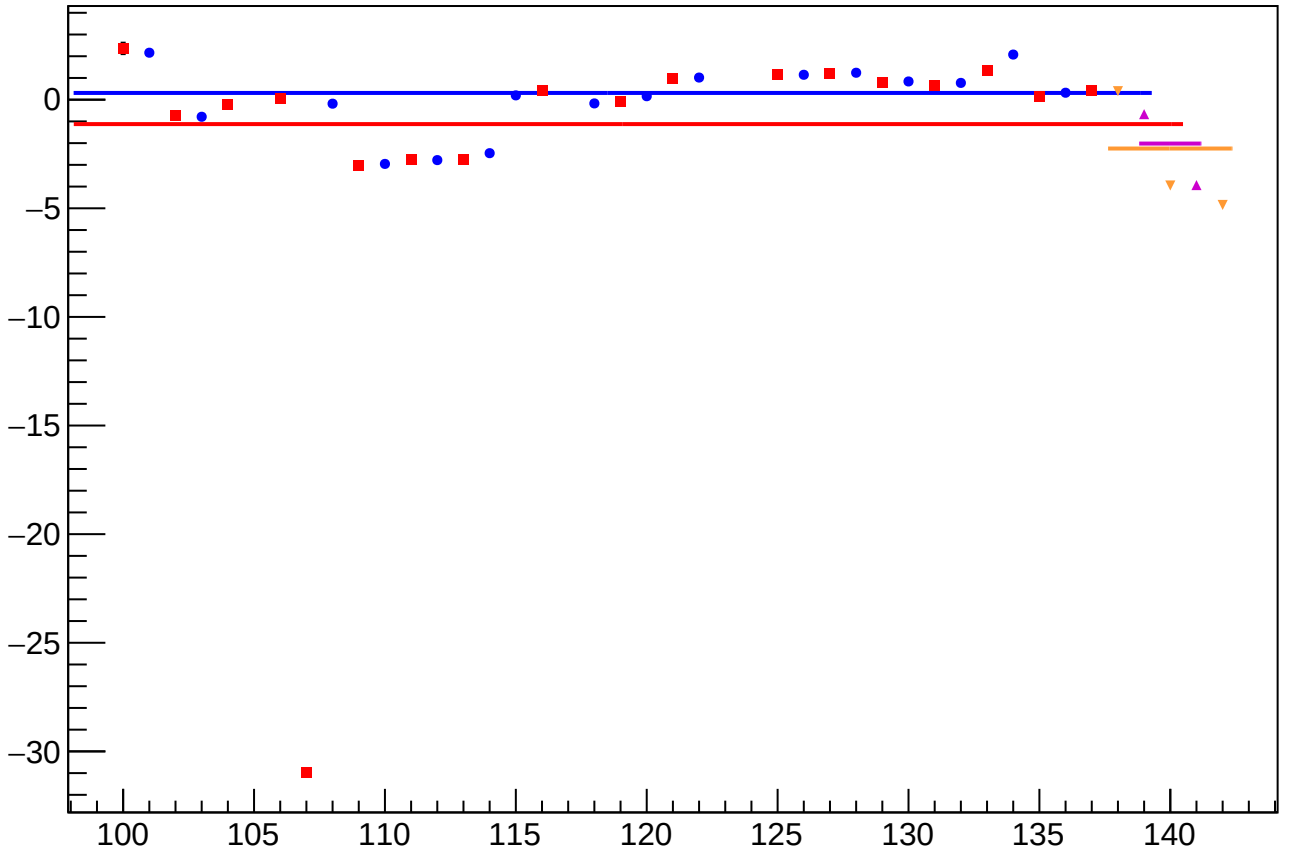
Left: -1.923+/-0.454 χ^2/NDF: 71.5/4

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.066+/-0.335 χ^2/NDF:110.9/17

Out: 0.097+/-0.322 χ^2/NDF:163.4/20

All: 0.563+/-0.232 χ^2/NDF: 278.6/38



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.248+/-0.025 χ^2/NDF:8611.1/2

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: -2.140+/-0.018 χ^2/NDF: 12471.6/4

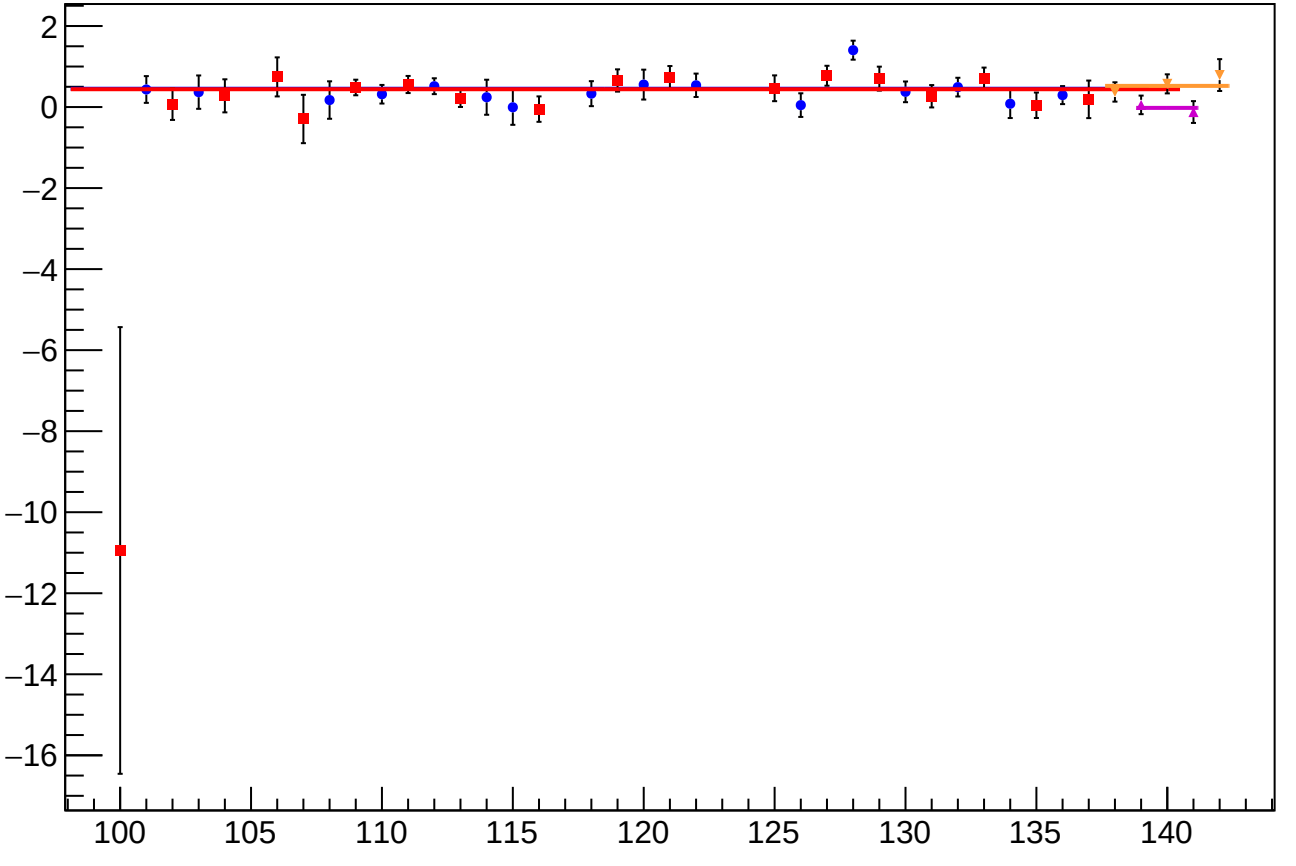
Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.612+/-0.016 χ^2/NDF:13513.1/17

Out: -1.625+/-0.017 χ^2/NDF:56100.9/20

All: -1.113+/-0.012 χ^2/NDF: 71508.5/38

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.522+/-0.154 χ^2/NDF:0.9/2

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.021+/-0.174 χ^2/NDF:0.2/1

Left: 0.284+/-0.116 χ^2/NDF: 6.6/4

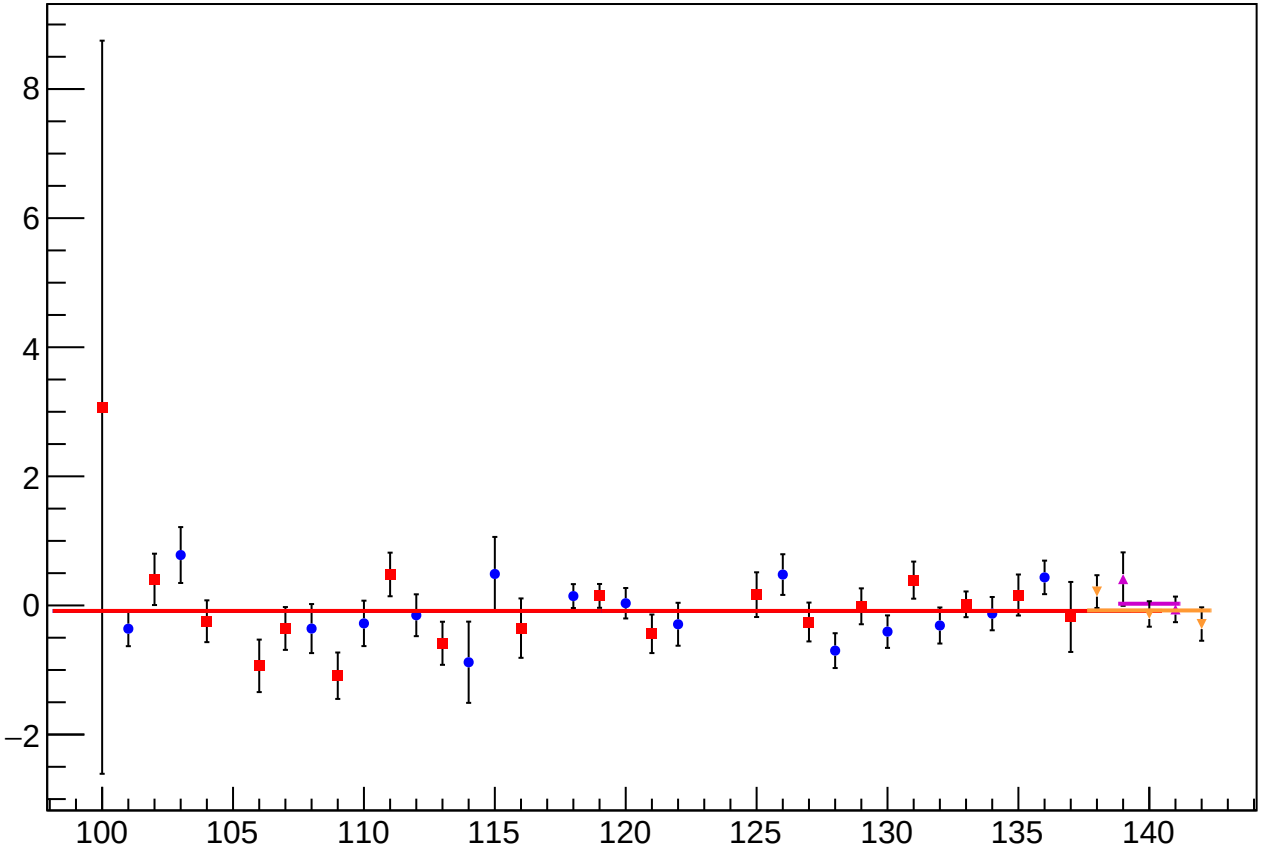
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.384+/-0.066 χ^2/NDF:29.2/17

Out: 0.454+/-0.063 χ^2/NDF:19.7/20

All: 0.420+/-0.046 χ^2/NDF: 49.5/38

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: -0.078+/-0.133 χ^2/NDF:2.1/2

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: 0.026+/-0.179 χ^2/NDF:1.0/1

Left: -0.040+/-0.107 χ^2/NDF: 3.3/4

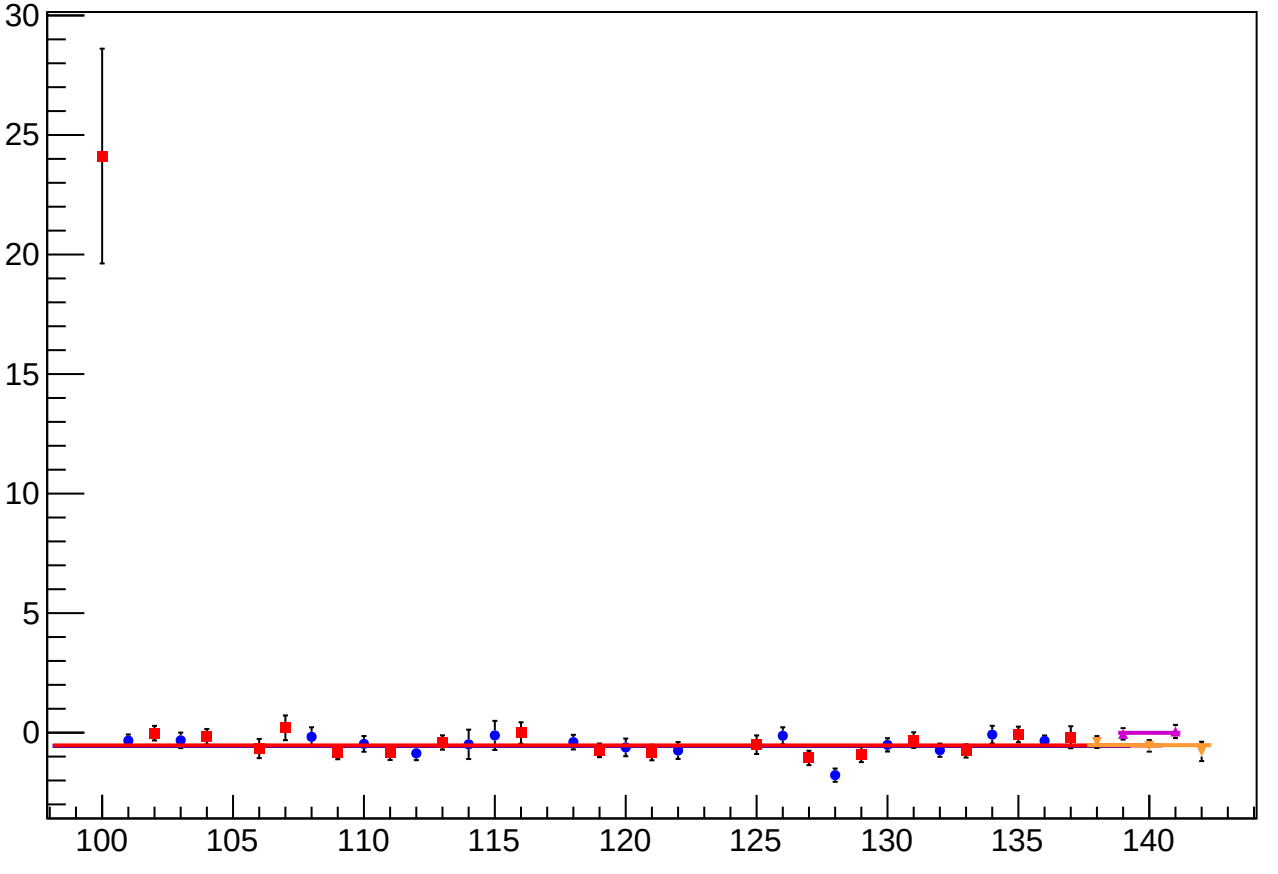
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.070+/-0.068 χ^2/NDF:26.8/17

Out: -0.084+/-0.064 χ^2/NDF:29.9/20

All: -0.077+/-0.047 χ^2/NDF: 56.7/38

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: -0.522+/-0.160 χ^2/NDF:0.7/2

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.007+/-0.181 χ^2/NDF:0.1/1

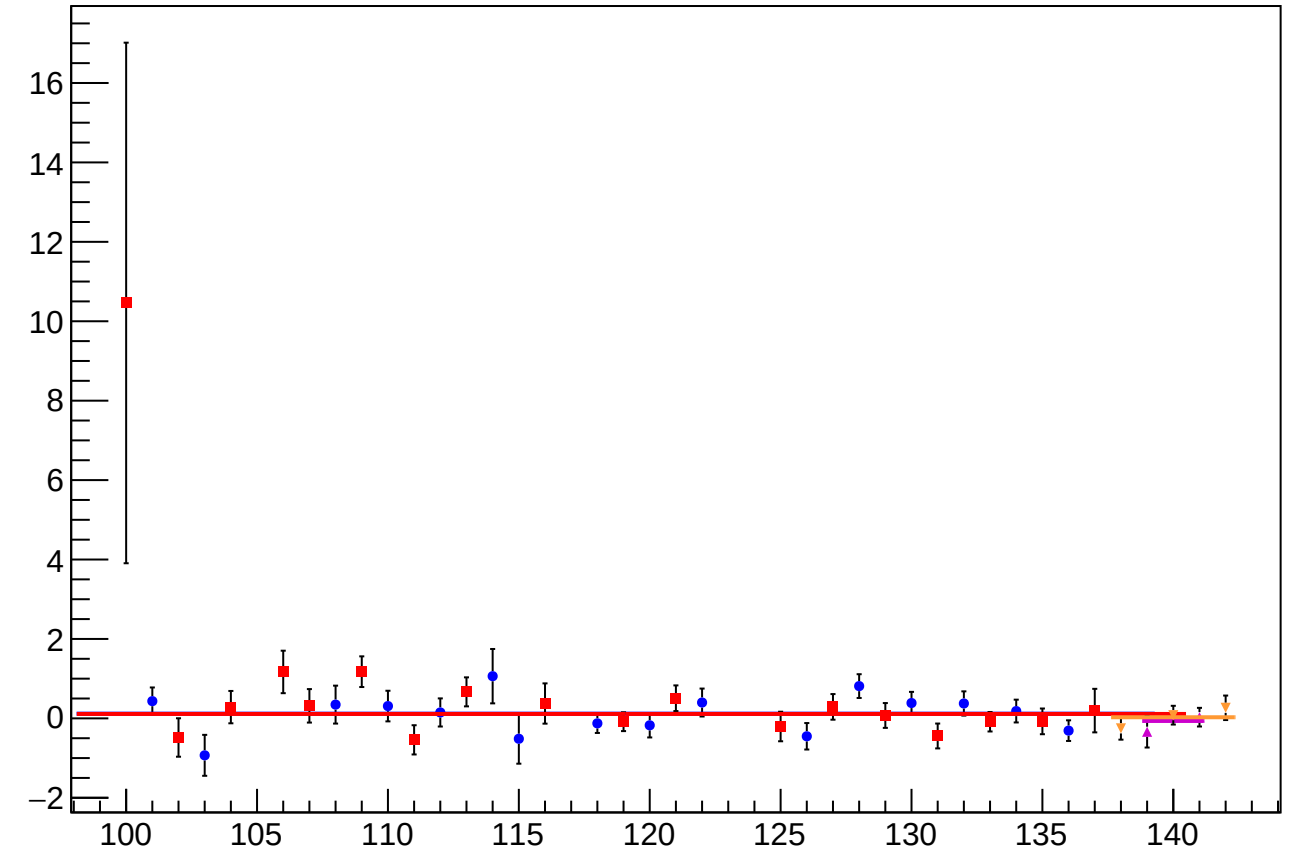
Left: -0.296+/-0.120 χ^2/NDF: 5.3/4

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.468+/-0.073 χ^2/NDF:36.2/17

Out: -0.531+/-0.072 χ^2/NDF:49.9/20

All: -0.500+/-0.051 χ^2/NDF: 86.5/38



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: 0.028+/-0.157 χ^2/NDF:1.6/2

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: -0.065+/-0.202 χ^2/NDF:0.6/1

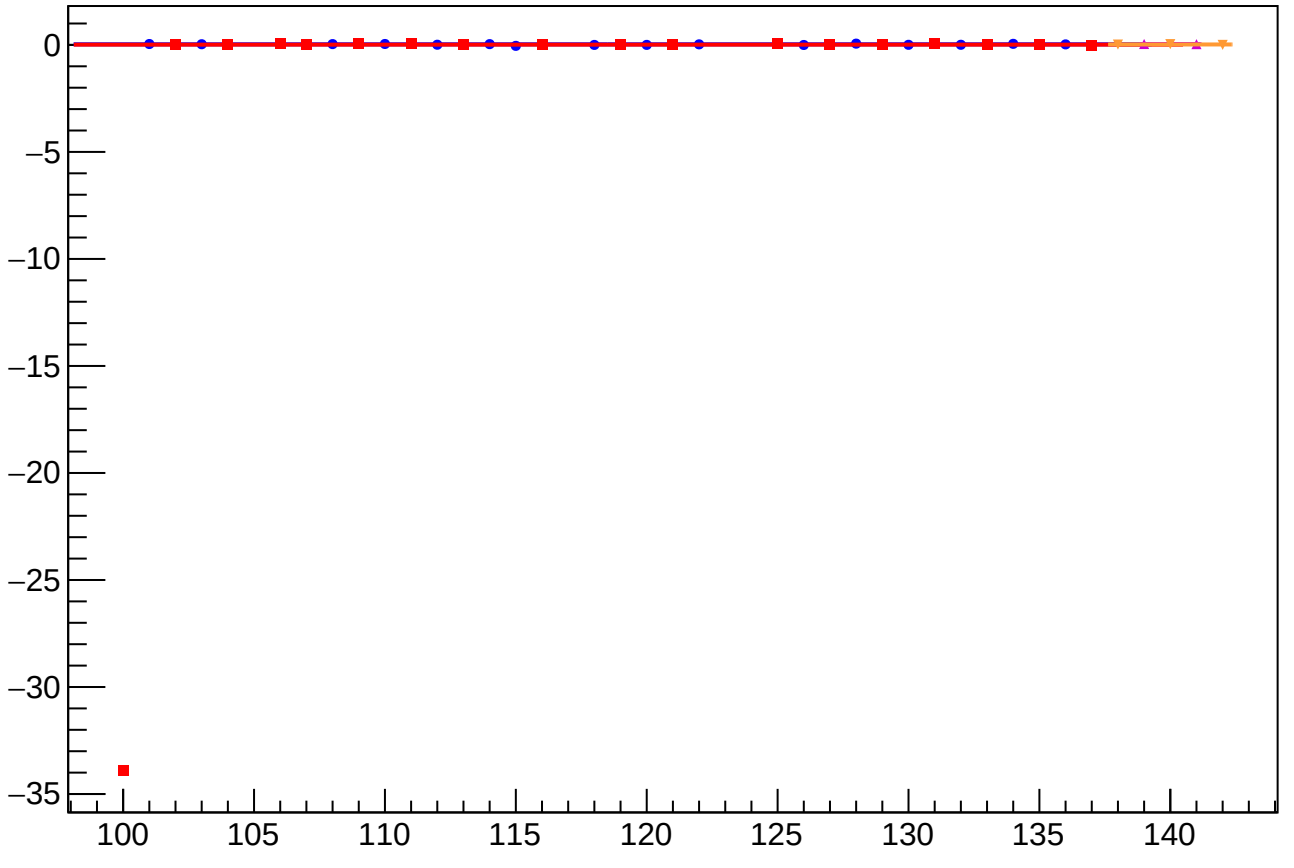
Left: -0.007+/-0.124 χ^2/NDF: 2.4/4

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.091+/-0.077 χ^2/NDF:25.0/17

Out: 0.092+/-0.075 χ^2/NDF:30.8/20

All: 0.092+/-0.054 χ^2/NDF: 55.8/38



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.021+/-0.007 χ^2/NDF:3.7/2

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.040+/-0.007 χ^2/NDF:0.2/1

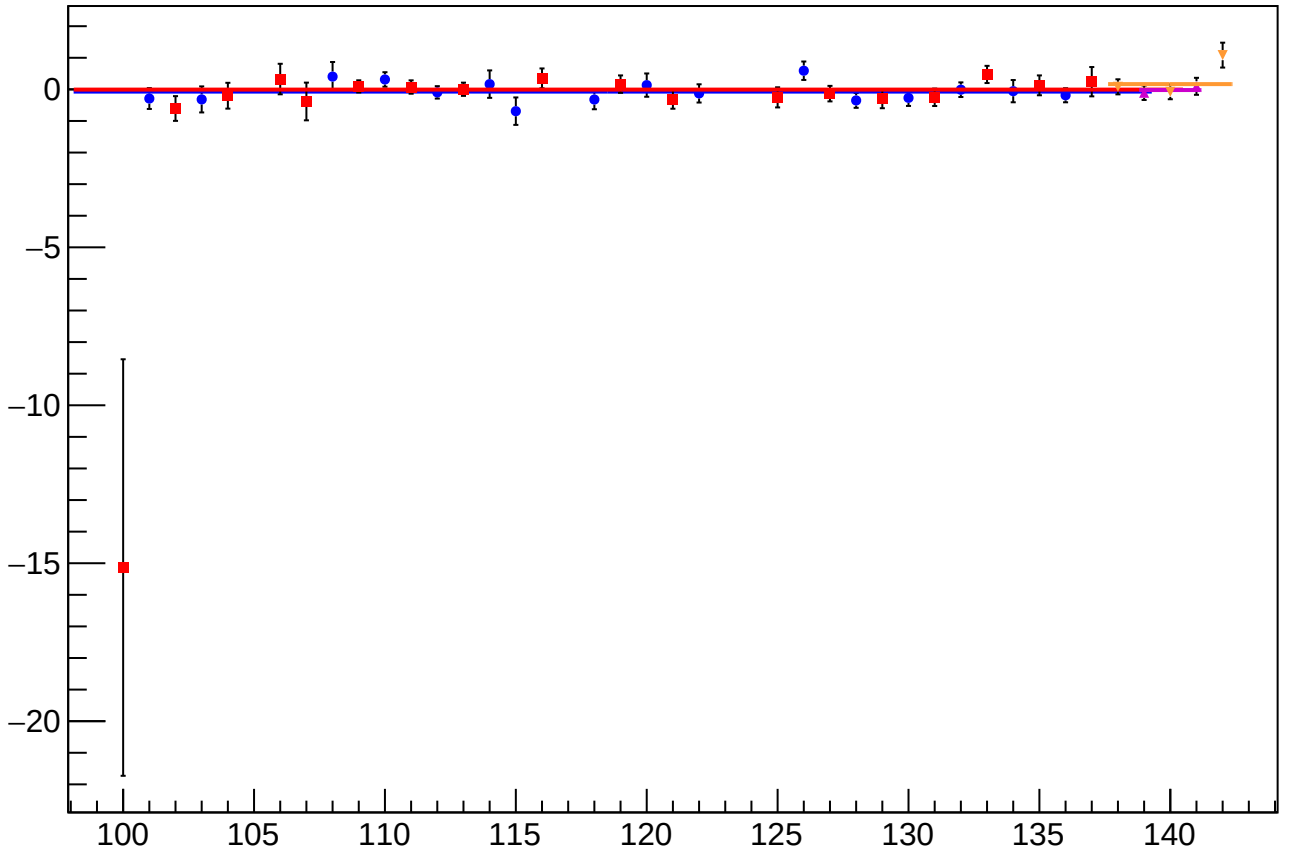
Left: 0.030+/-0.005 χ^2/NDF: 8.3/4

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.004 χ^2/NDF:17.2/17

Out: 0.015+/-0.004 χ^2/NDF:22266.9/20

All: 0.023+/-0.003 χ^2/NDF: 22293.3/38



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.167+/-0.154 χ^2/NDF:6.6/2

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: -0.021+/-0.174 χ^2/NDF:0.3/1

Left: 0.084+/-0.115 χ^2/NDF: 7.6/4

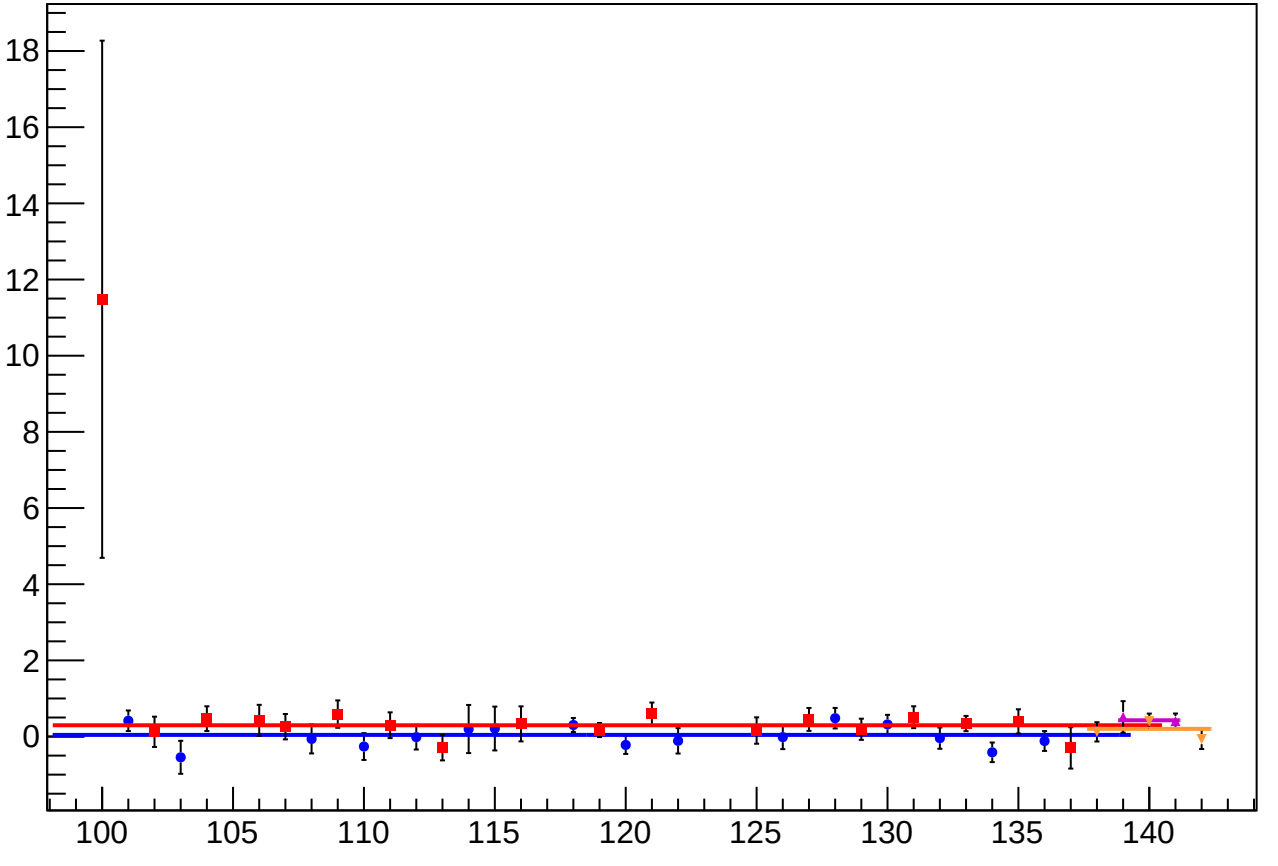
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.063+/-0.066 χ^2/NDF:15.9/17

Out: 0.022+/-0.063 χ^2/NDF:25.8/20

All: -0.019+/-0.046 χ^2/NDF: 42.6/38

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.202+/-0.134 χ^2/NDF:2.2/2

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.427+/-0.179 χ^2/NDF:0.1/1

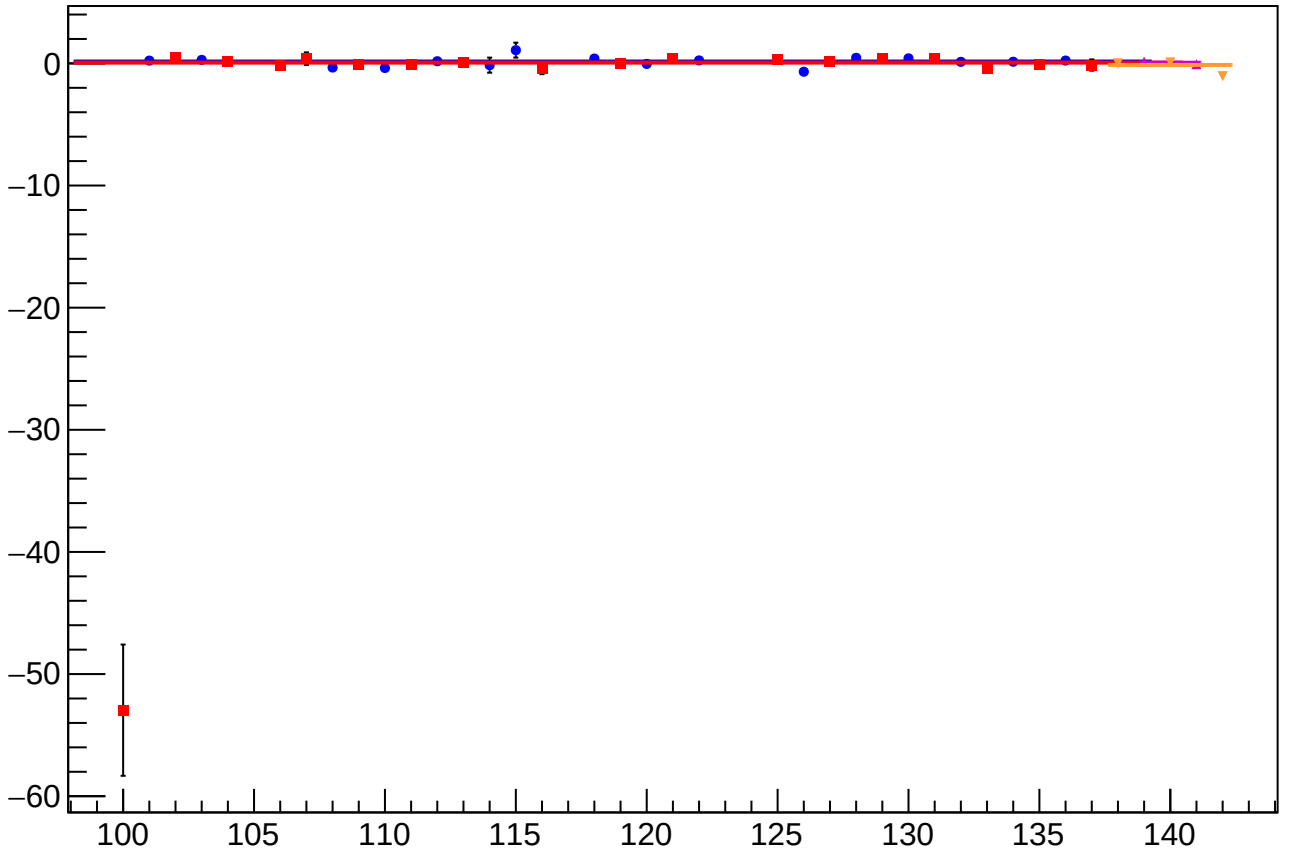
Left: 0.283+/-0.107 χ^2/NDF: 3.3/4

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.099+/-0.068 χ^2/NDF:19.7/17

Out: 0.274+/-0.065 χ^2/NDF:13.6/20

All: 0.191+/-0.047 χ^2/NDF: 36.9/38



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.127+/-0.160 χ^2/NDF:6.1/2

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: 0.055+/-0.180 χ^2/NDF:0.3/1

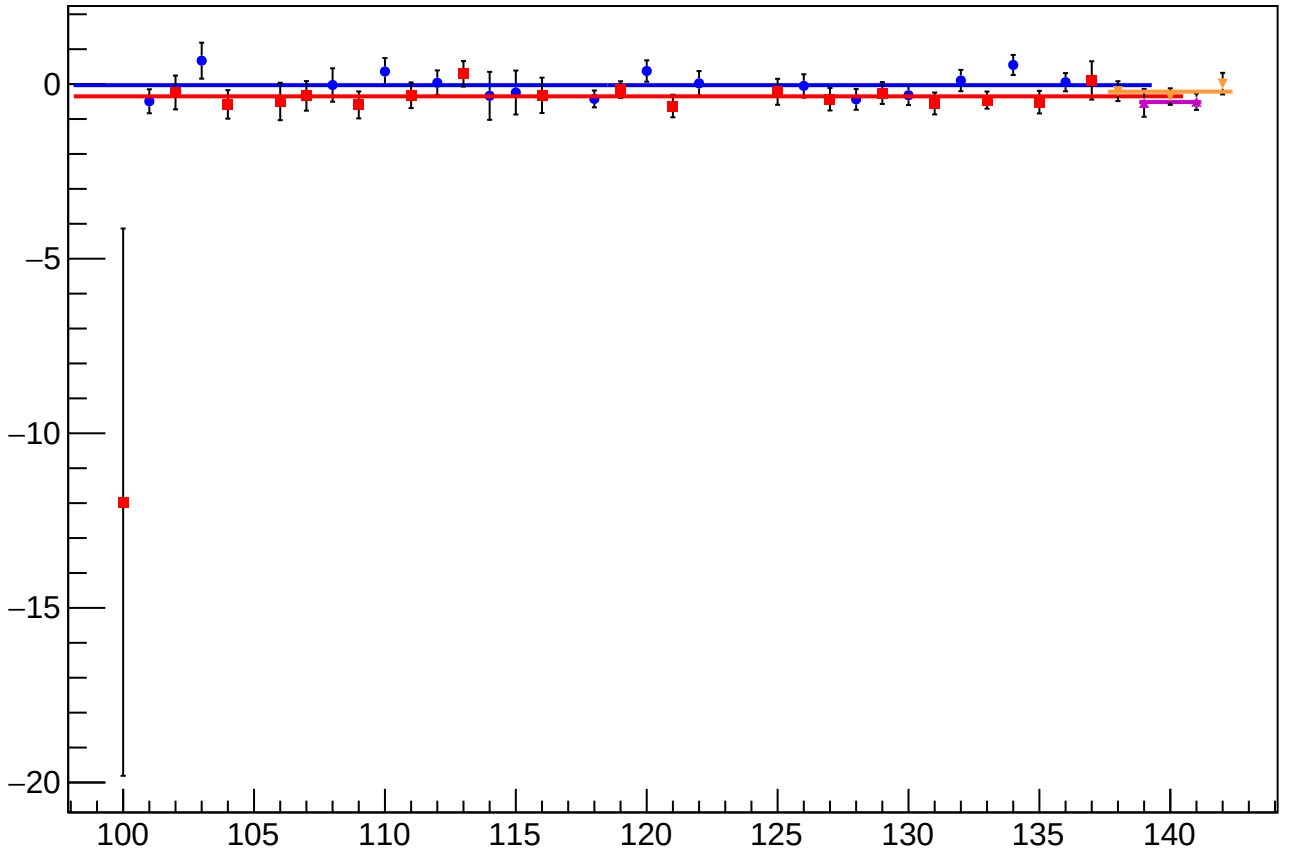
Left: -0.047+/-0.120 χ^2/NDF: 7.0/4

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.137+/-0.073 χ^2/NDF:16.2/17

Out: 0.026+/-0.072 χ^2/NDF:116.6/20

All: 0.081+/-0.051 χ^2/NDF: 133.9/38



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.215+/-0.157 χ^2/NDF:0.9/2

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.513+/-0.202 χ^2/NDF:0.0/1

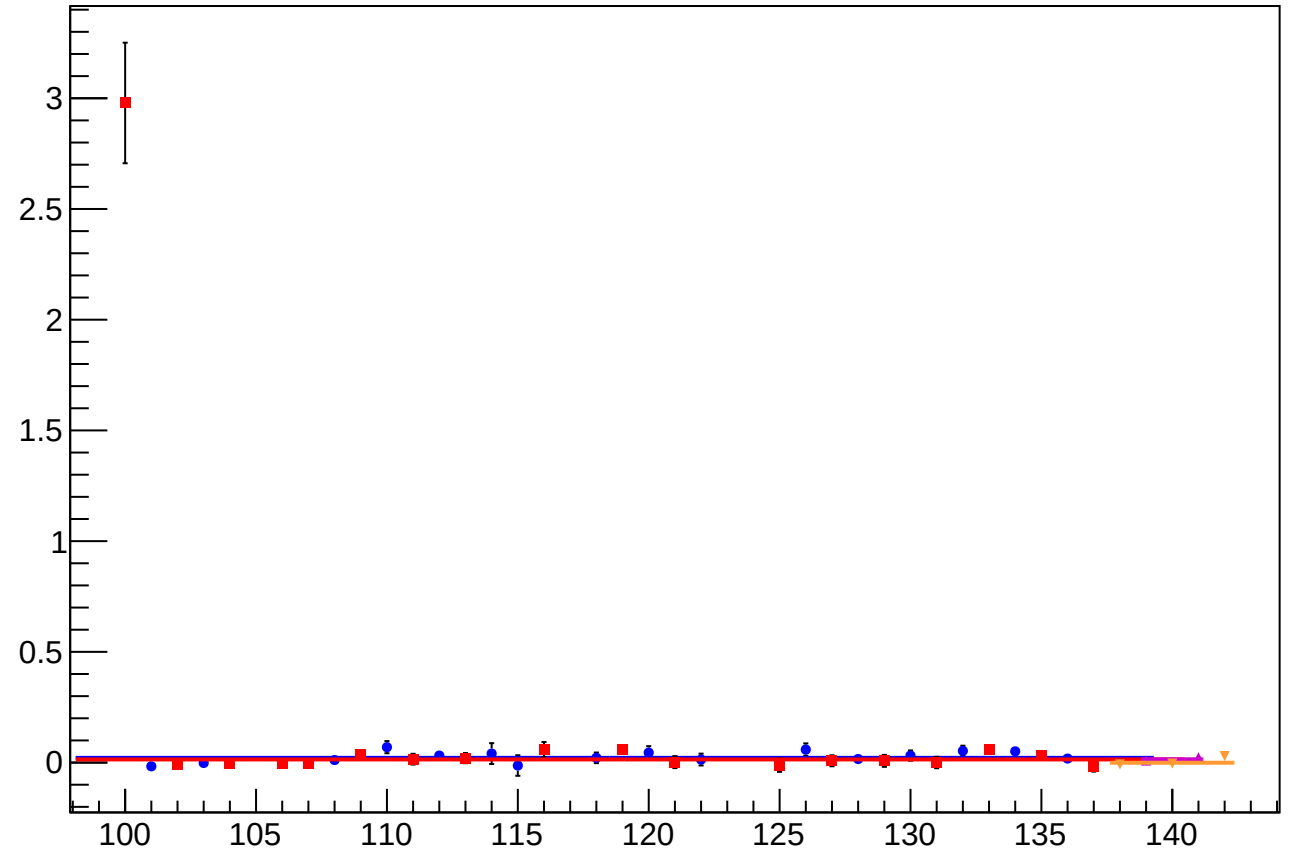
Left: -0.327+/-0.124 χ^2/NDF: 2.3/4

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.101+/-0.077 χ^2/NDF:21.7/17

Out: -0.320+/-0.075 χ^2/NDF:10.9/20

All: -0.214+/-0.054 χ^2/NDF: 36.7/38



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.007 χ^2/NDF:4.0/2

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.015+/-0.007 χ^2/NDF:1.2/1

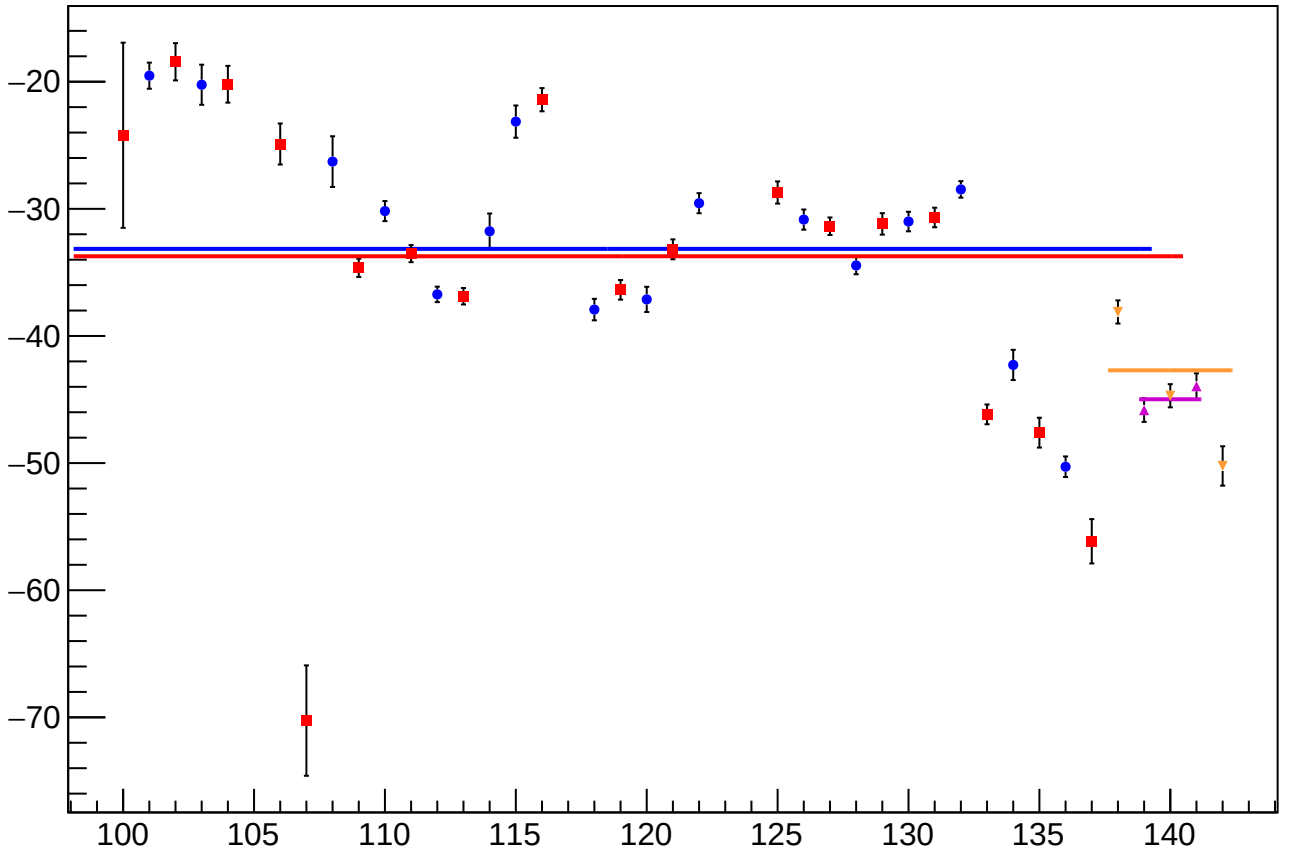
Left: 0.007+/-0.005 χ^2/NDF: 7.8/4

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.019+/-0.004 χ^2/NDF:24.3/17

Out: 0.009+/-0.004 χ^2/NDF:148.2/20

All: 0.014+/-0.003 χ^2/NDF: 175.8/38



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -42.702+/-0.594 χ^2/NDF:53.9/2

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -44.978+/-0.688 χ^2/NDF:1.8/1

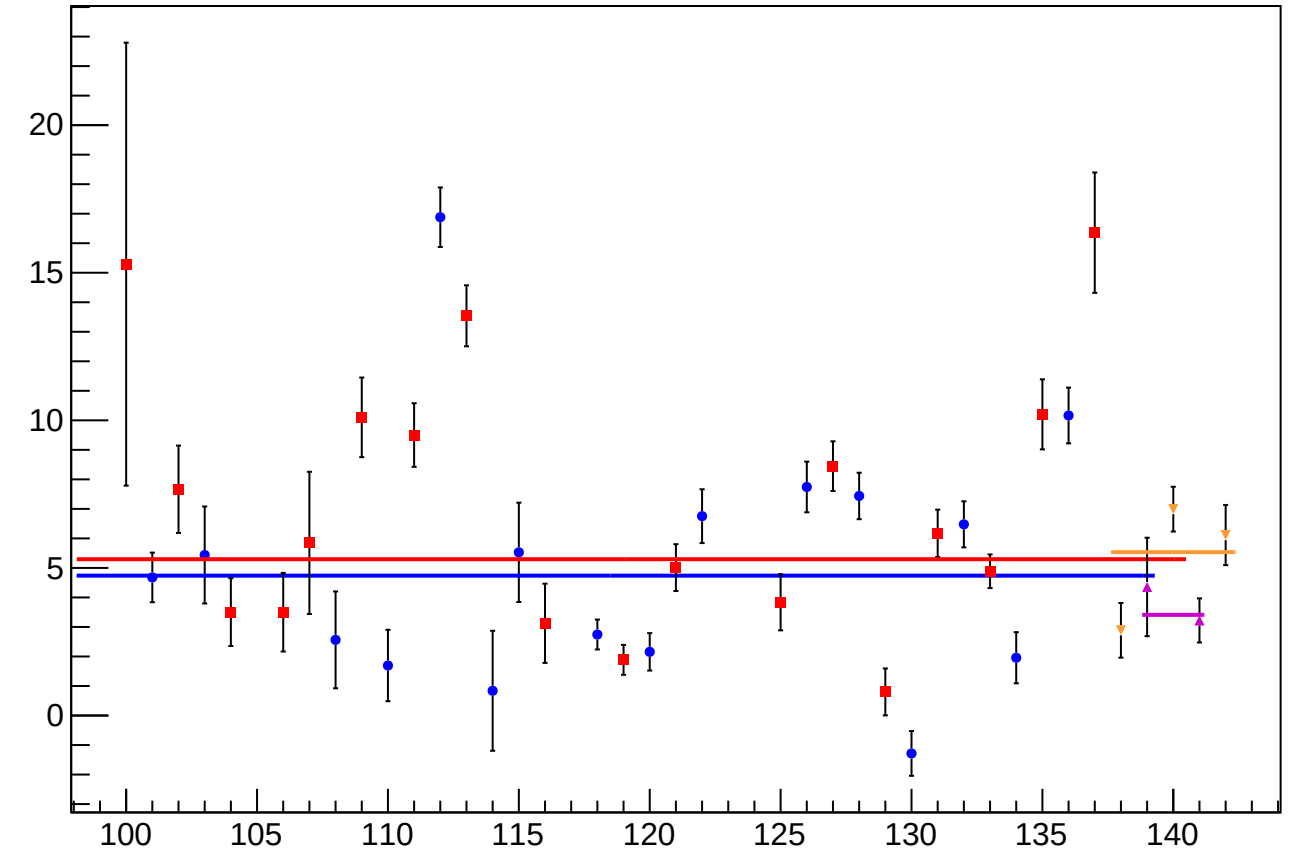
Left: -43.675+/-0.450 χ^2/NDF: 62.0/4

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -34.228+/-0.208 χ^2/NDF:1284.6/17

Out: -34.767+/-0.202 χ^2/NDF:1403.8/20

All: -34.505+/-0.145 χ^2/NDF: 2691.9/38



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 5.535+/-0.508 χ^2/NDF:12.2/2

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 3.411+/-0.681 χ^2/NDF:0.4/1

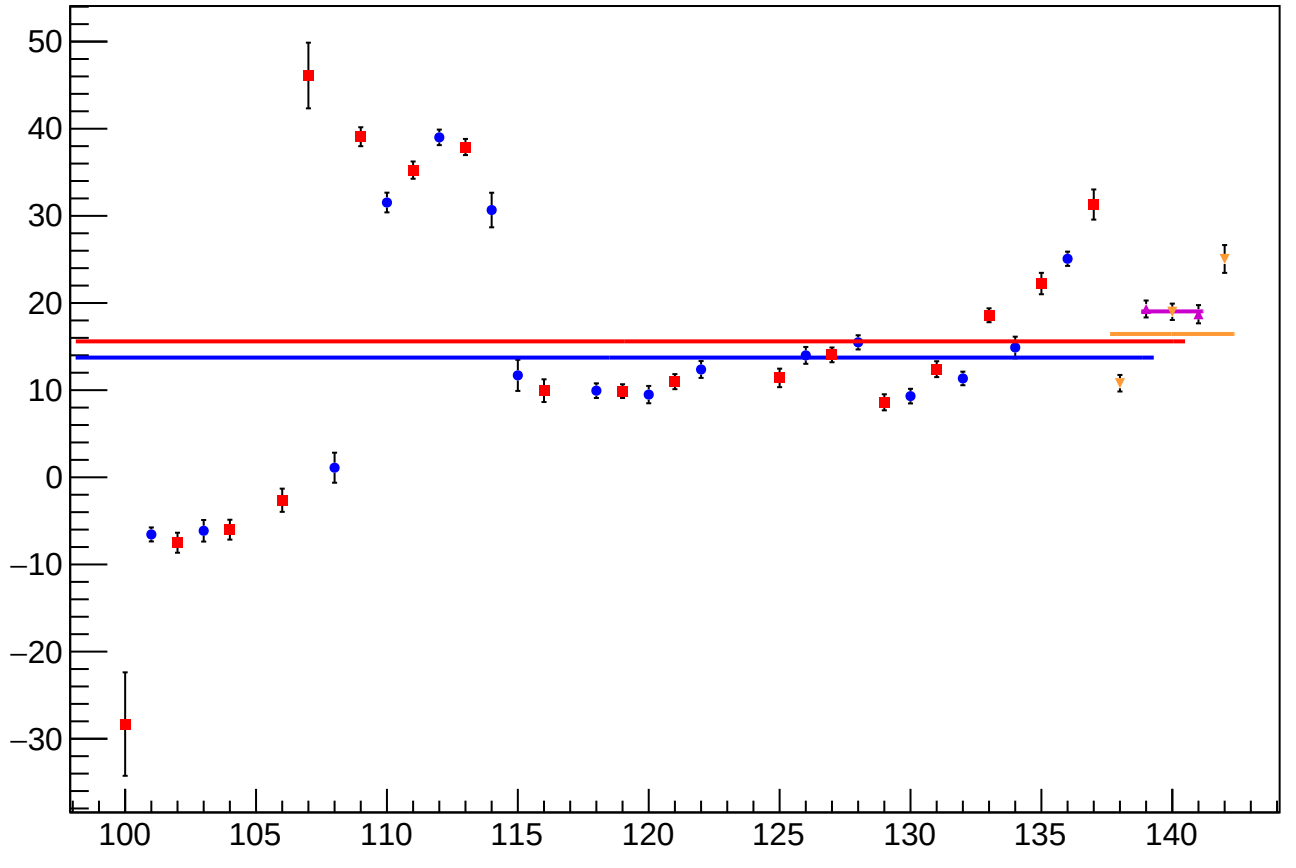
Left: 4.775+/-0.408 χ^2/NDF: 18.8/4

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.614+/-0.209 χ^2/NDF:333.4/17

Out: 5.334+/-0.204 χ^2/NDF:257.4/20

All: 4.981+/-0.146 χ^2/NDF: 596.9/38



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 16.449+/-0.615 χ^2/NDF:71.9/2

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 19.038+/-0.712 χ^2/NDF:0.2/1

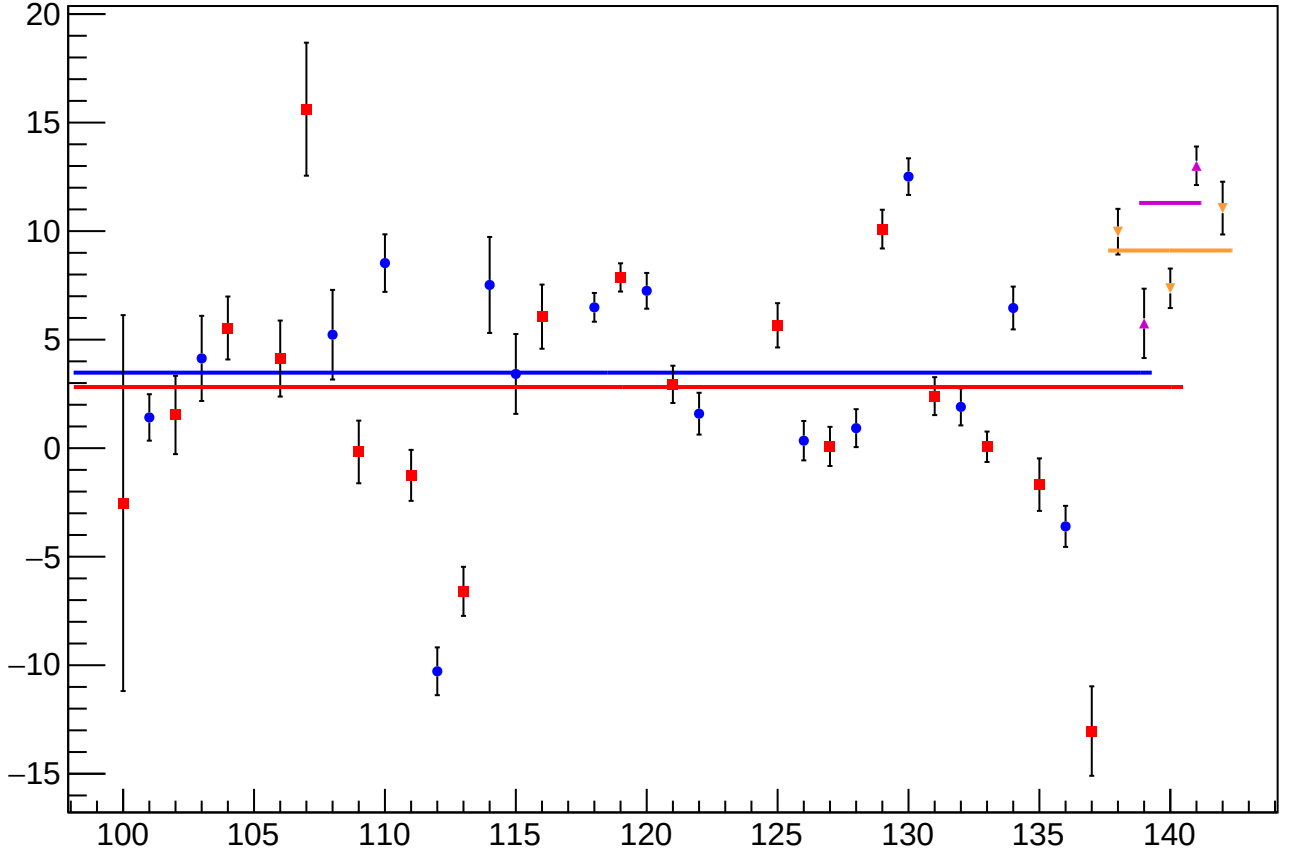
Left: 17.556+/-0.466 χ^2/NDF: 79.6/4

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.306+/-0.233 χ^2/NDF:2399.5/17

Out: 15.719+/-0.232 χ^2/NDF:2899.8/20

All: 15.017+/-0.164 χ^2/NDF: 5317.8/38



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.107+/-0.599 χ^2/NDF:6.9/2

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 11.298+/-0.776 χ^2/NDF:15.8/1

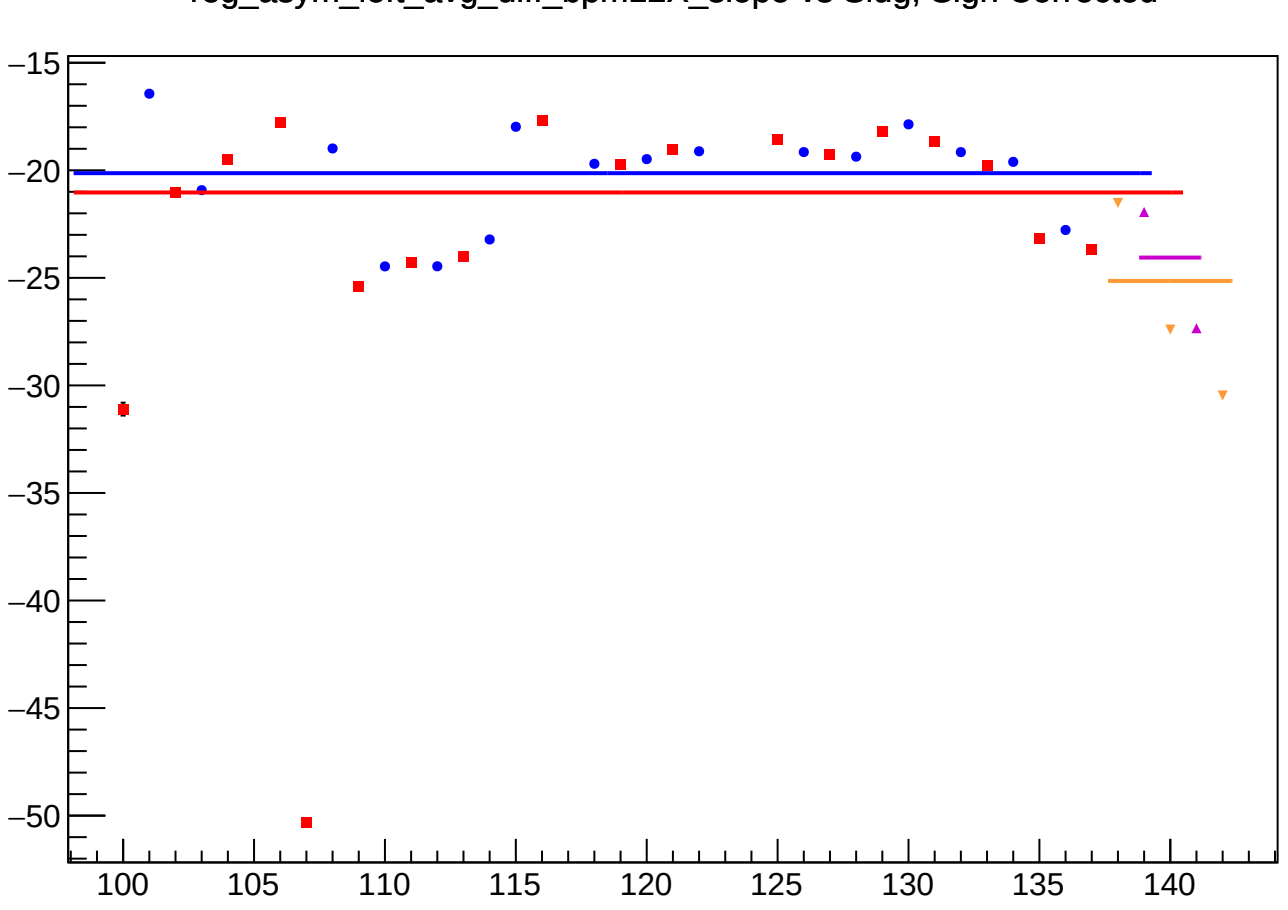
Left: 9.926+/-0.474 χ^2/NDF: 27.7/4

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 4.234+/-0.241 χ^2/NDF:535.2/17

Out: 3.796+/-0.236 χ^2/NDF:445.3/20

All: 4.011+/-0.169 χ^2/NDF: 982.1/38



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -25.142+/-0.026 χ^2/NDF:18794.7/2

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -24.058+/-0.027 χ^2/NDF:9666.8/1

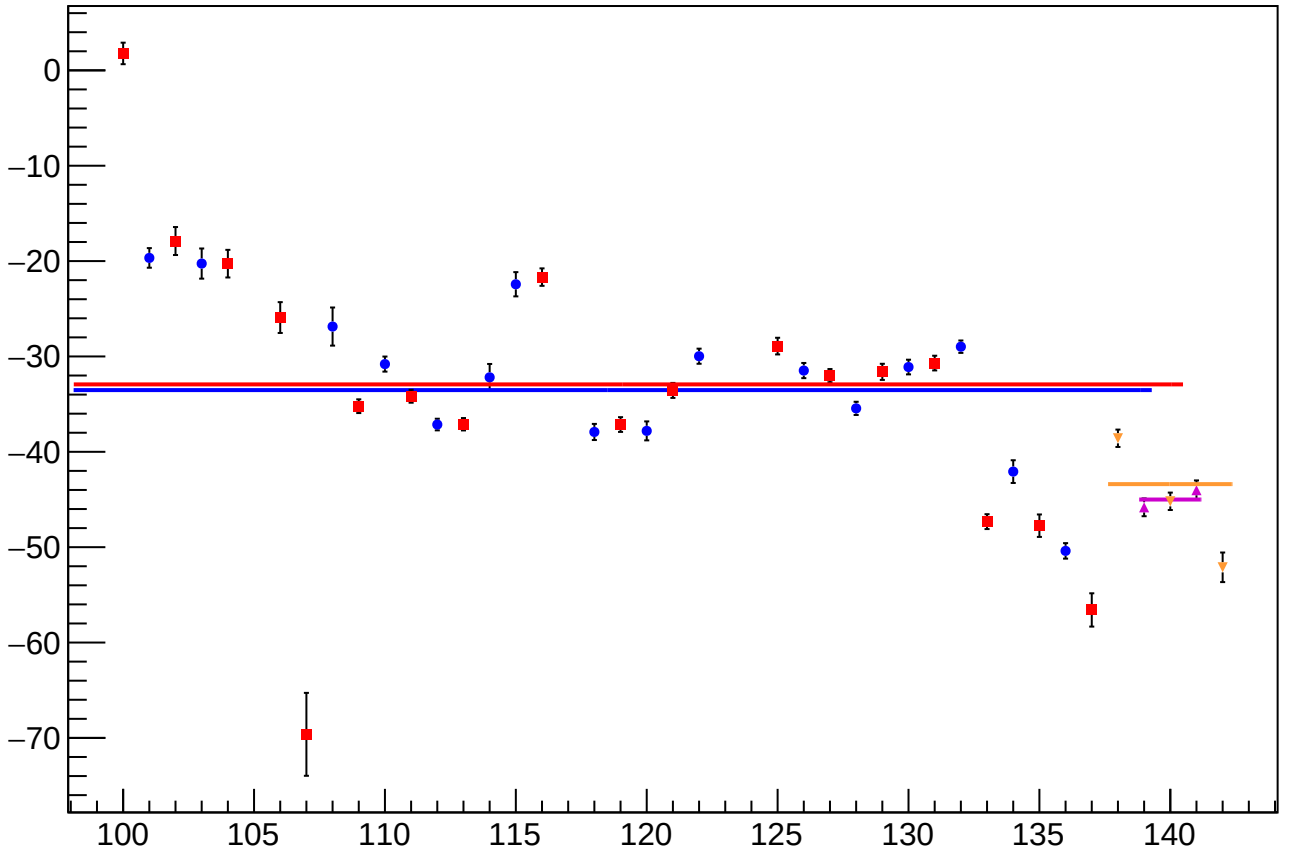
Left: -24.623+/-0.019 χ^2/NDF: 29312.5/4

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.163+/-0.014 χ^2/NDF:45264.4/17

Out: -22.224+/-0.014 χ^2/NDF:94439.4/20

All: -21.689+/-0.010 χ^2/NDF: 142651.1/38



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -43.388+/-0.595 χ^2/NDF:63.4/2

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -45.004+/-0.689 χ^2/NDF:1.7/1

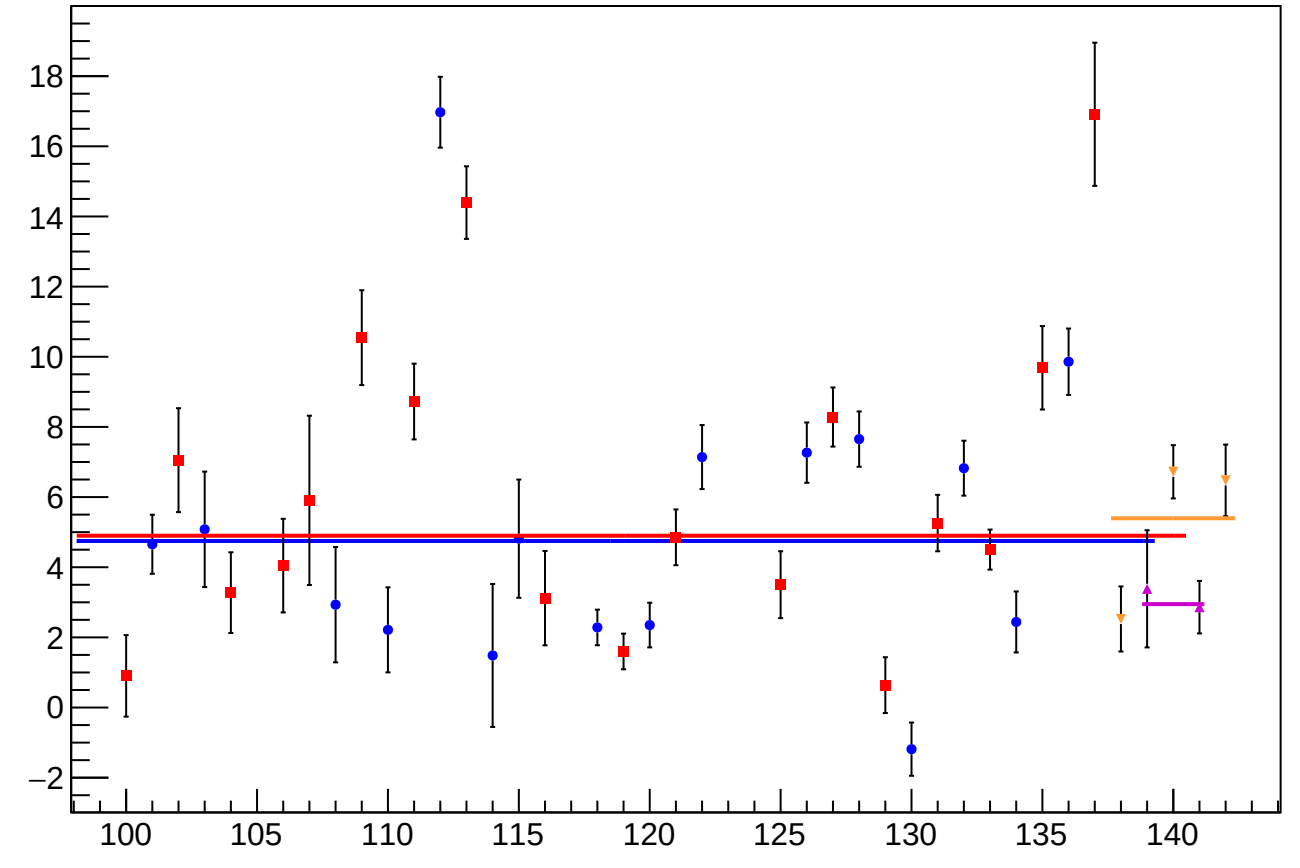
Left: -44.078+/-0.451 χ^2/NDF: 68.2/4

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -34.575+/-0.208 χ^2/NDF:1262.2/17

Out: -34.103+/-0.199 χ^2/NDF:2507.2/20

All: -34.329+/-0.144 χ^2/NDF: 3772.1/38



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 5.395+/-0.509 χ^2/NDF:13.7/2

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 2.948+/-0.683 χ^2/NDF:0.1/1

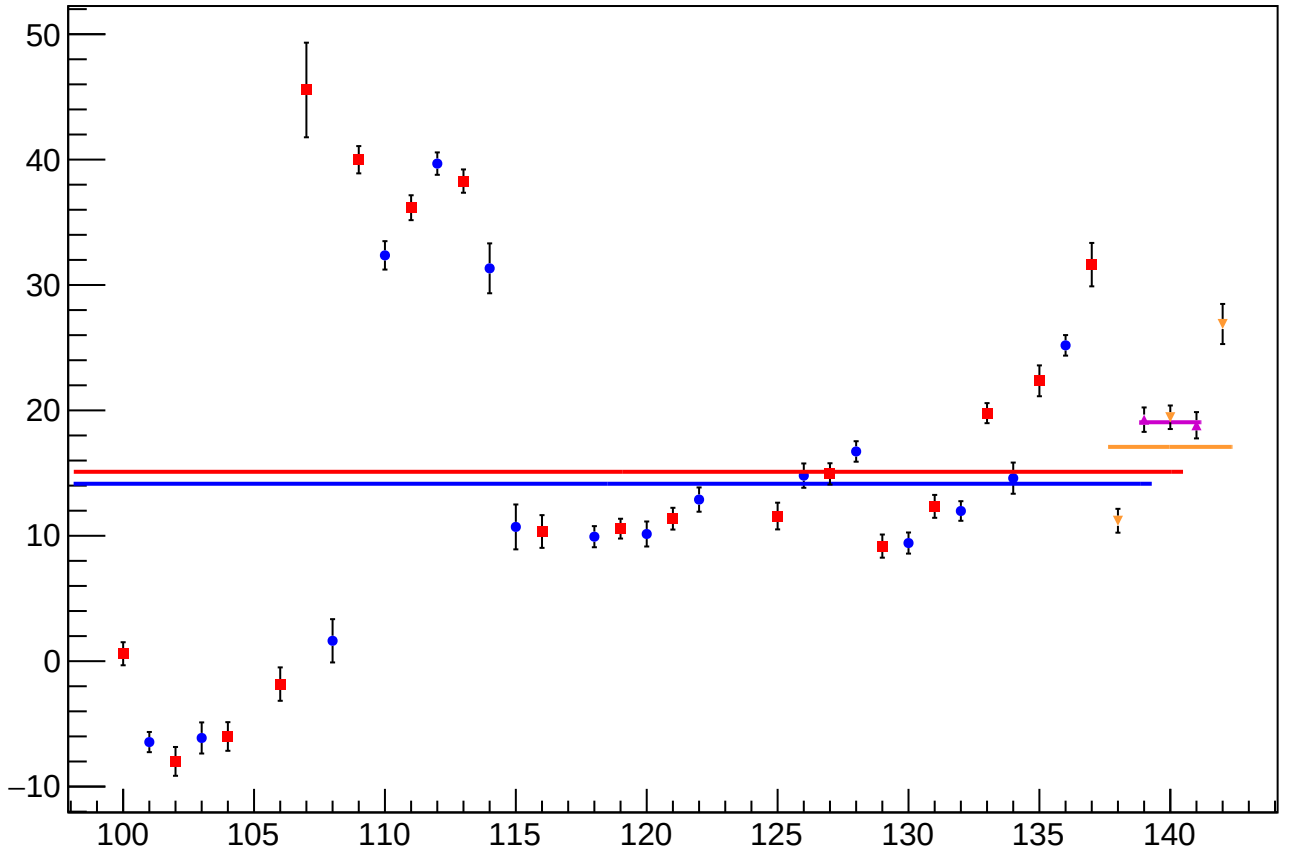
Left: 4.521+/-0.408 χ^2/NDF: 22.1/4

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.580+/-0.209 χ^2/NDF:332.1/17

Out: 4.976+/-0.202 χ^2/NDF:287.6/20

All: 4.785+/-0.145 χ^2/NDF: 621.5/38



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 17.089+/-0.616 χ^2/NDF:82.3/2

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 19.054+/-0.714 χ^2/NDF:0.1/1

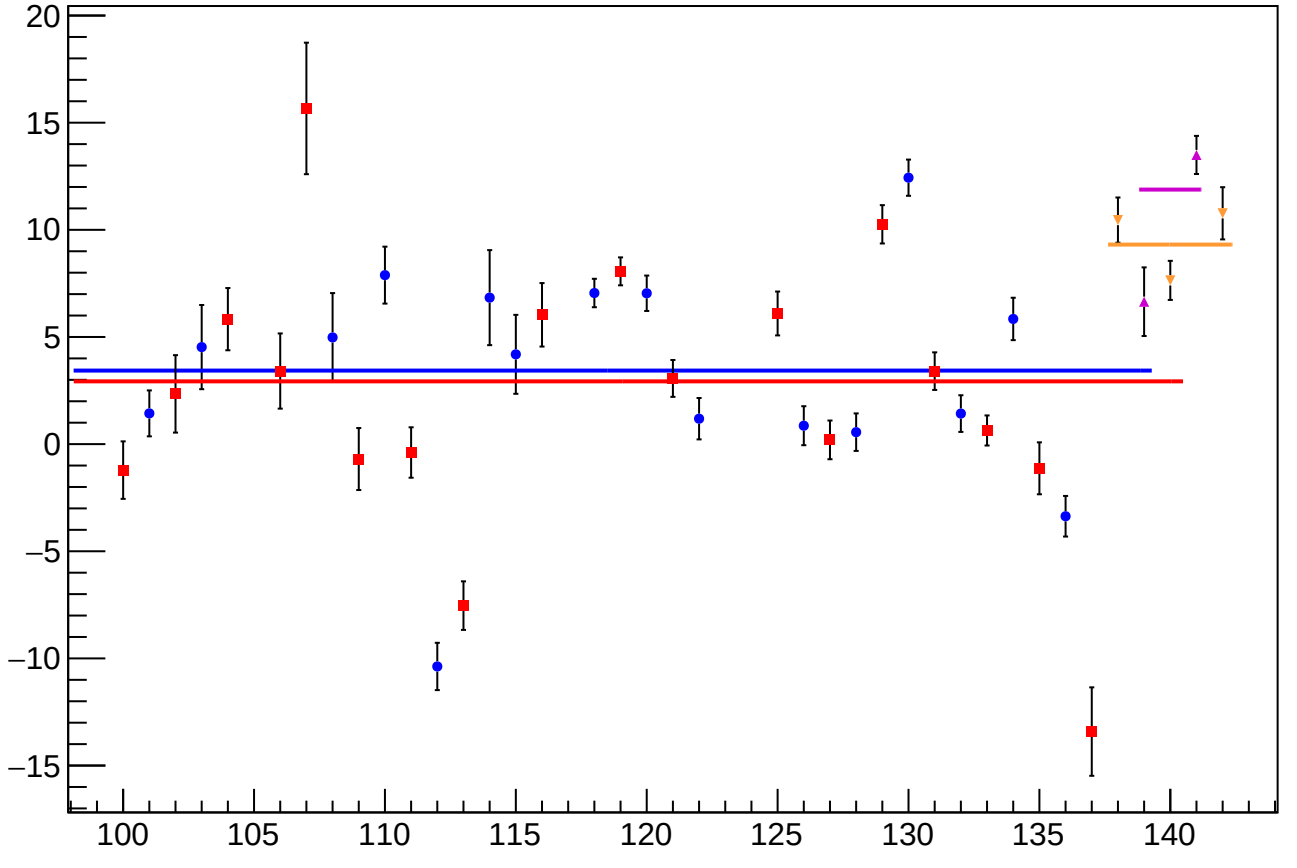
Left: 17.929+/-0.467 χ^2/NDF: 86.7/4

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.675+/-0.234 χ^2/NDF:2444.6/17

Out: 15.368+/-0.225 χ^2/NDF:3193.5/20

All: 15.034+/-0.162 χ^2/NDF: 5642.7/38



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.312+/-0.600 χ^2/NDF:6.0/2

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 11.878+/-0.778 χ^2/NDF:14.0/1

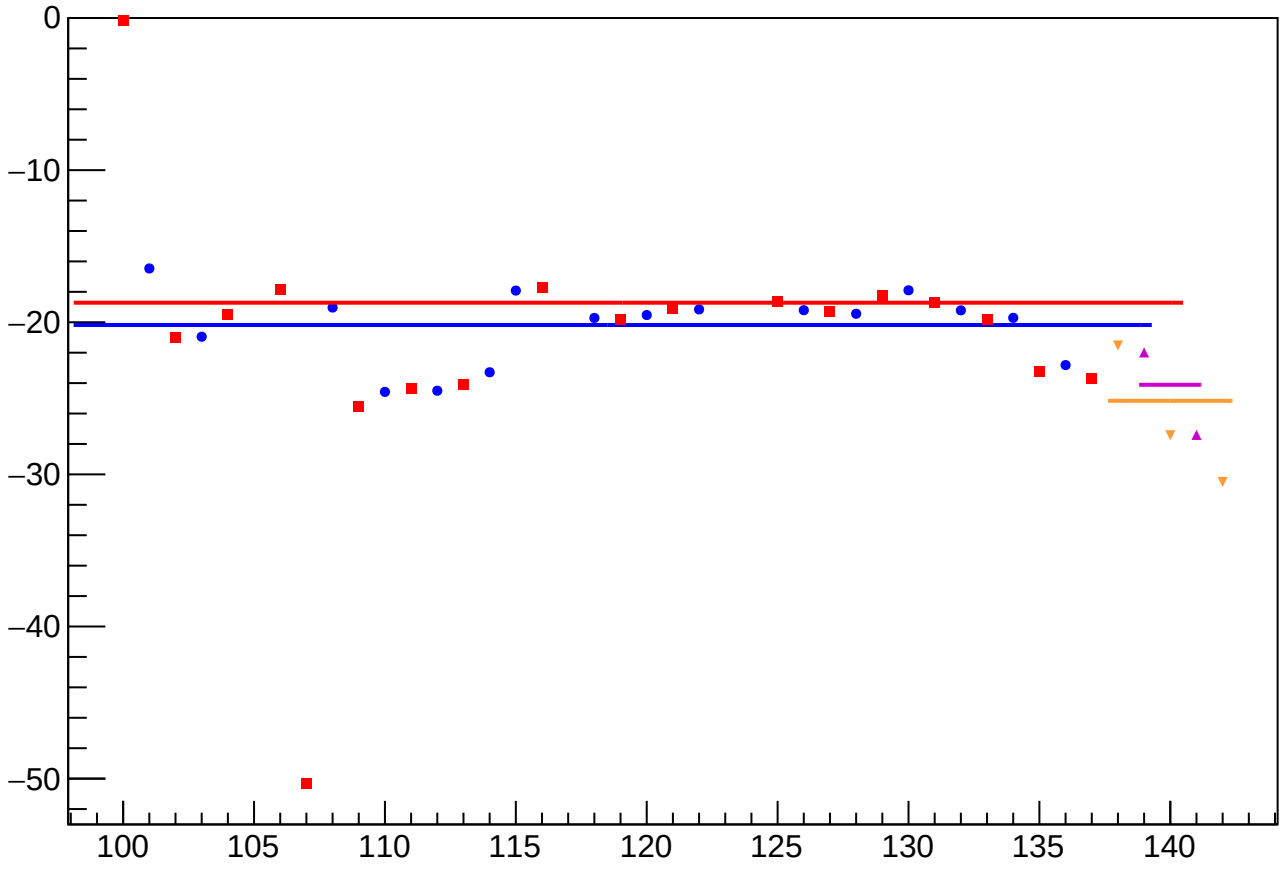
Left: 10.269+/-0.475 χ^2/NDF: 26.8/4

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 4.247+/-0.242 χ^2/NDF:544.5/17

Out: 3.894+/-0.233 χ^2/NDF:469.7/20

All: 4.064+/-0.168 χ^2/NDF: 1015.3/38



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -25.161+/-0.026 χ^2/NDF:18836.4/2

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -24.111+/-0.027 χ^2/NDF:9665.1/1

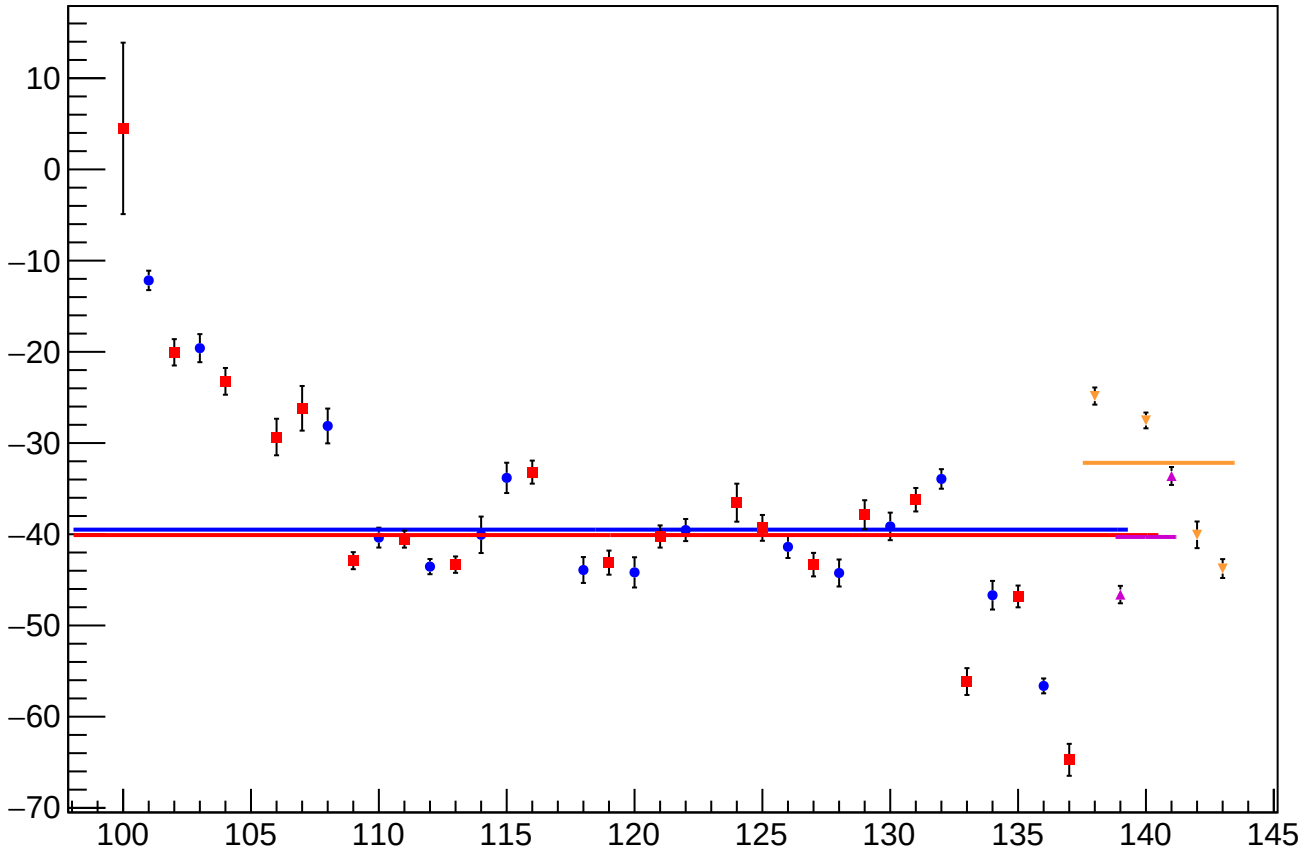
Left: -24.658+/-0.019 χ^2/NDF: 29296.4/4

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.212+/-0.014 χ^2/NDF:45259.4/17

Out: -20.436+/-0.013 χ^2/NDF:299336.7/20

All: -20.811+/-0.010 χ^2/NDF: 346232.3/38



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.169+/-0.508 χ^2/NDF:243.8/3

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -40.295+/-0.685 χ^2/NDF:90.1/1

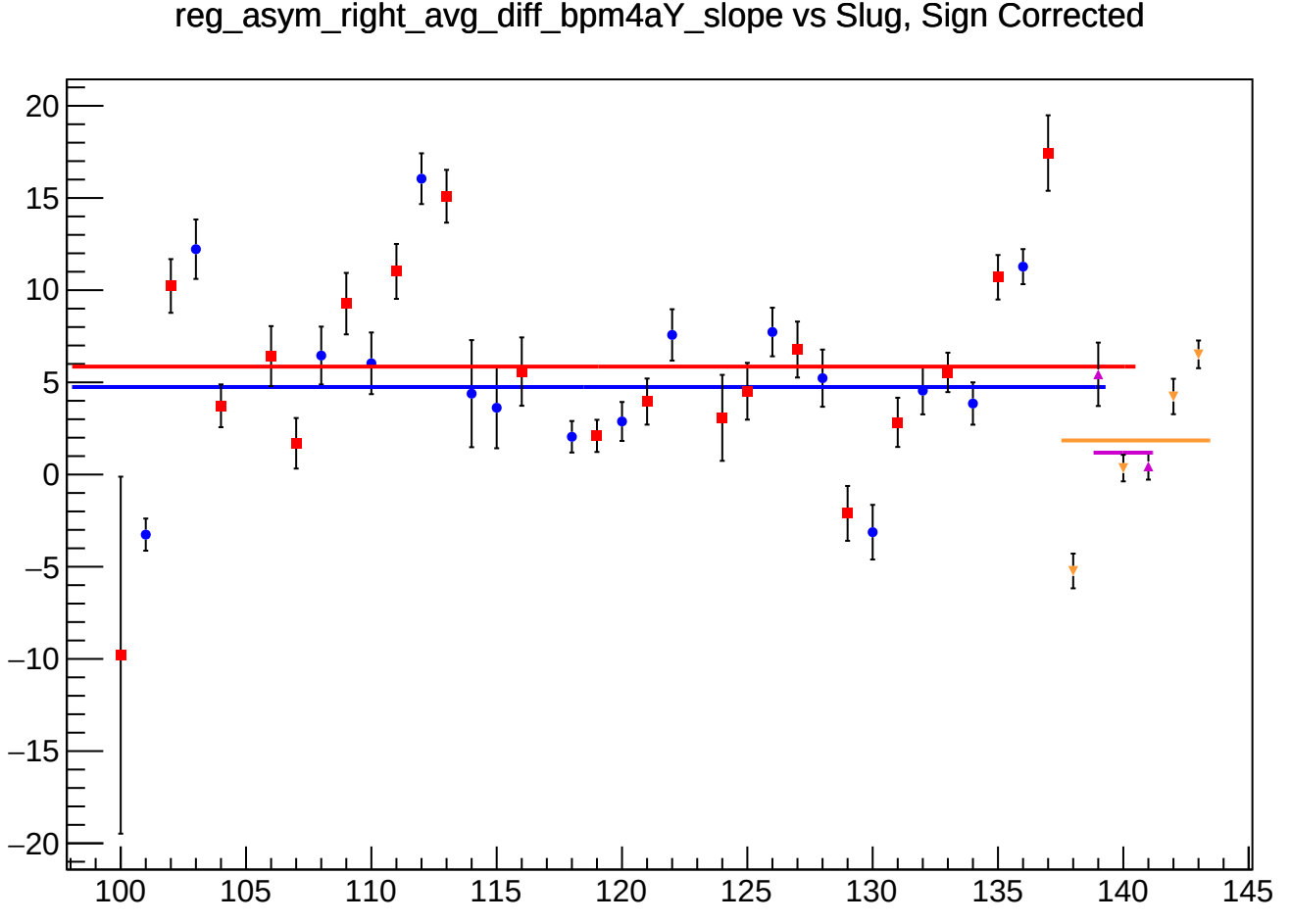
Left: -35.057+/-0.408 χ^2/NDF: 424.6/5

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.630+/-0.283 χ^2/NDF:1508.3/17

Out: -37.973+/-0.263 χ^2/NDF:1256.5/22

All: -38.740+/-0.193 χ^2/NDF: 2783.2/40



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.850+/-0.411 χ^2/NDF:105.7/3

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.187+/-0.664 χ^2/NDF:7.2/1

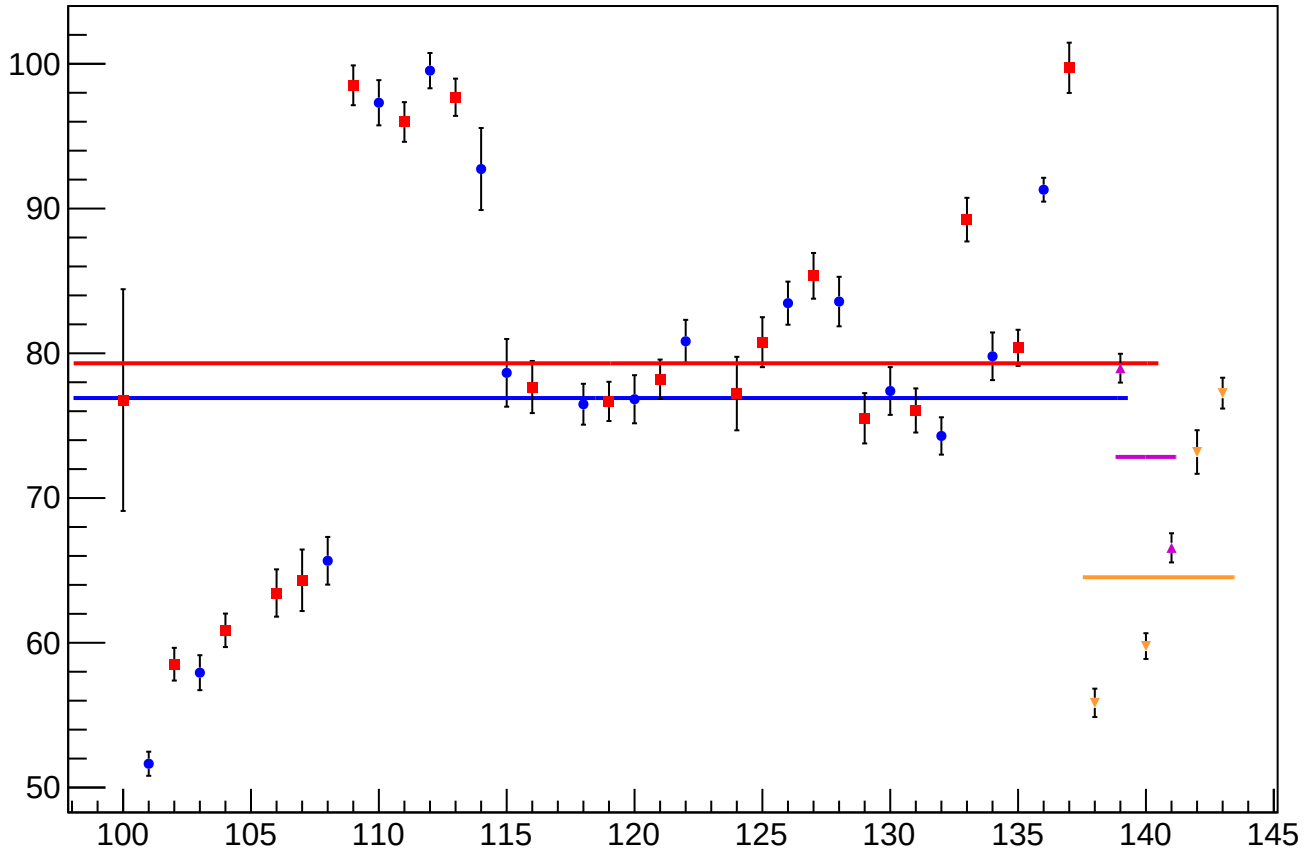
Left: 1.666+/-0.350 χ^2/NDF: 113.6/5

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 4.089+/-0.285 χ^2/NDF:304.5/17

Out: 4.321+/-0.254 χ^2/NDF:351.8/22

All: 4.218+/-0.190 χ^2/NDF: 656.6/40



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 64.526+/-0.525 χ^2/NDF:282.3/3

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 72.842+/-0.708 χ^2/NDF:76.8/1

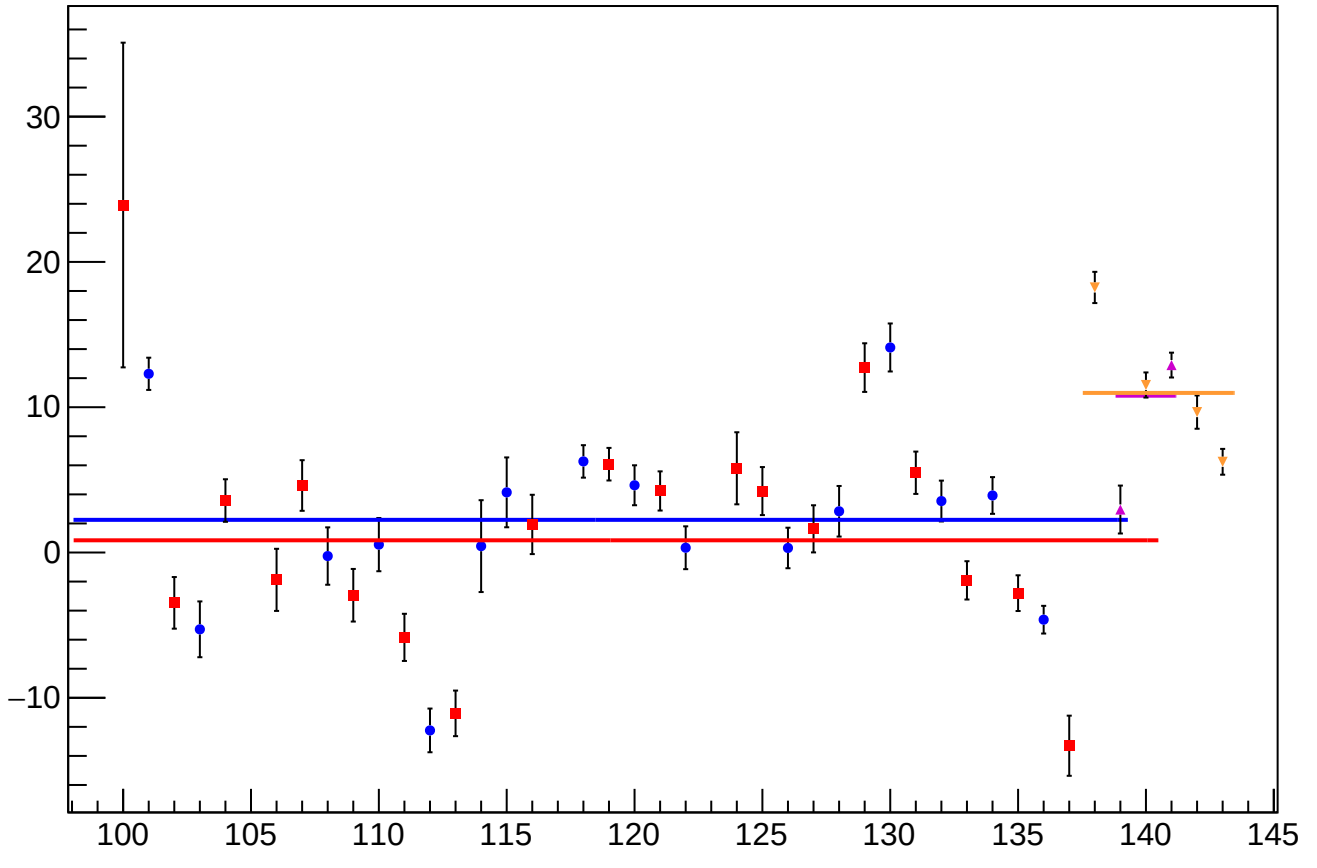
Left: 67.477+/-0.422 χ^2/NDF: 448.0/5

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 76.159+/-0.304 χ^2/NDF:2219.6/17

Out: 74.803+/-0.290 χ^2/NDF:2329.4/22

All: 75.449+/-0.210 χ^2/NDF: 4559.4/40



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 10.984+/-0.486 χ^2/NDF:75.8/3

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 10.793+/-0.759 χ^2/NDF:28.7/1

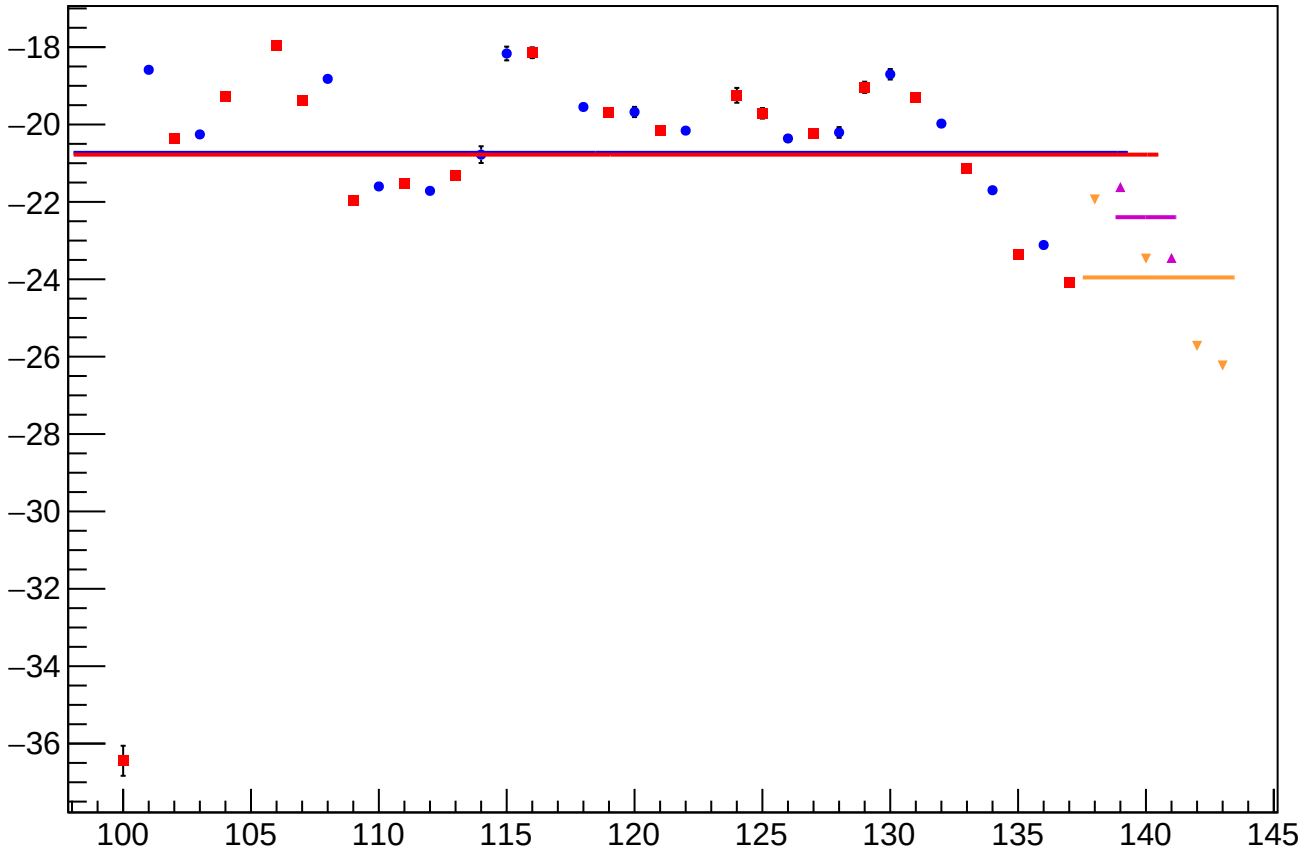
Left: 10.929+/-0.409 χ^2/NDF: 104.5/5

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 3.839+/-0.328 χ^2/NDF:451.4/17

Out: 4.587+/-0.295 χ^2/NDF:606.6/22

All: 4.251+/-0.219 χ^2/NDF: 1060.9/40



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -23.953+/-0.022 χ^2/NDF:6246.4/3

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -22.395+/-0.027 χ^2/NDF:1132.8/1

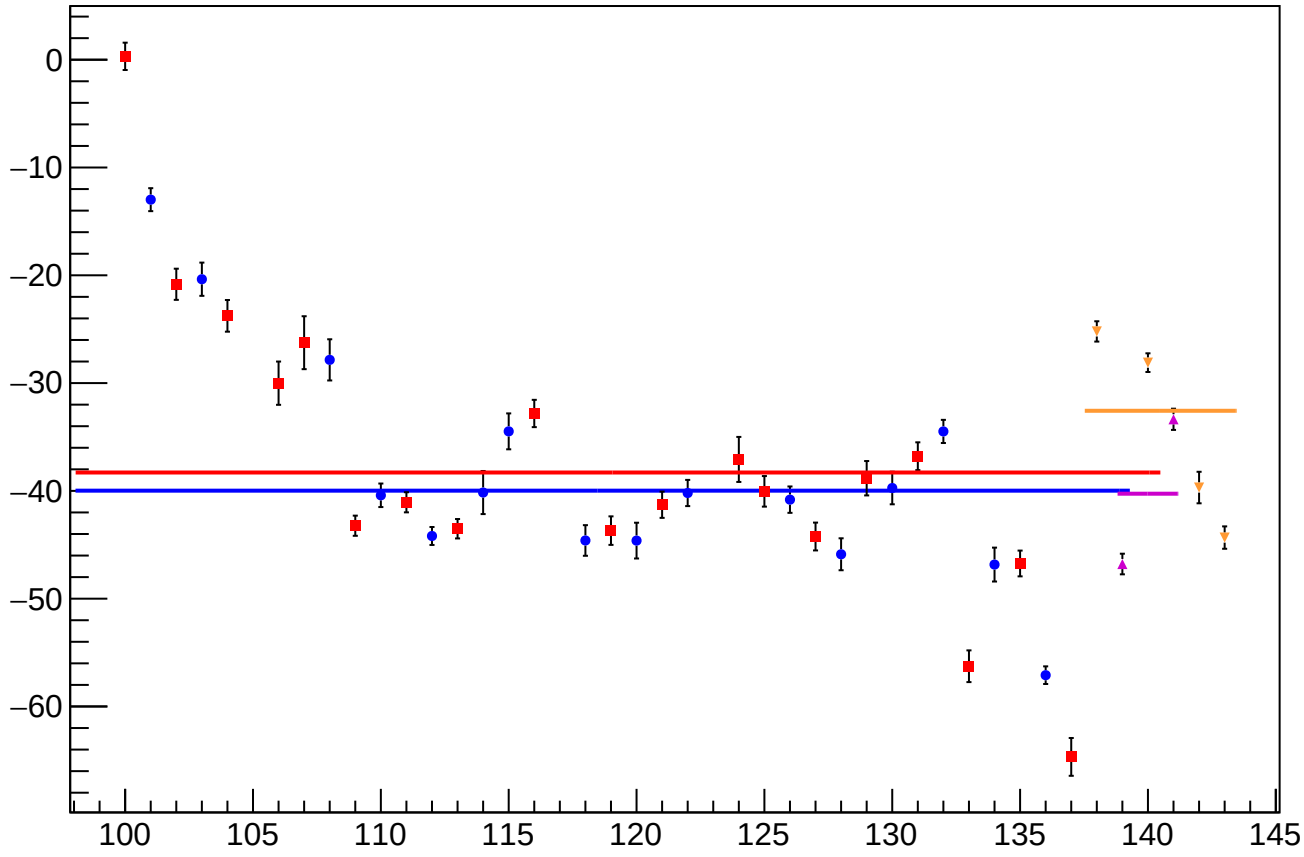
Left: -23.328+/-0.017 χ^2/NDF: 9384.4/5

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -21.302+/-0.016 χ^2/NDF:11277.1/17

Out: -22.227+/-0.015 χ^2/NDF:26955.9/22

All: -21.790+/-0.011 χ^2/NDF: 40055.1/40



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.569+/-0.509 χ^2/NDF:239.6/3

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -40.262+/-0.686 χ^2/NDF:95.7/1

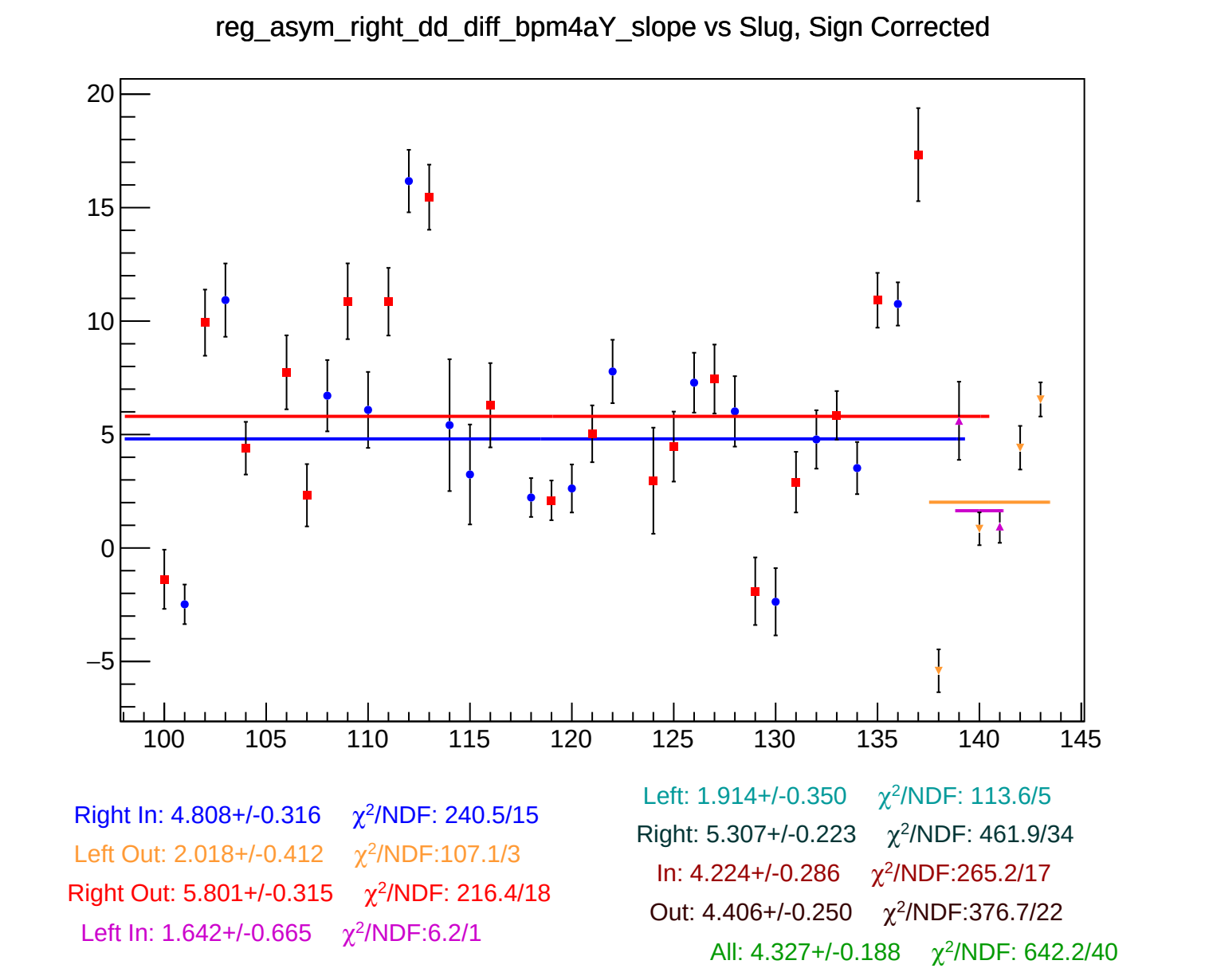
Left: -35.303+/-0.409 χ^2/NDF: 416.3/5

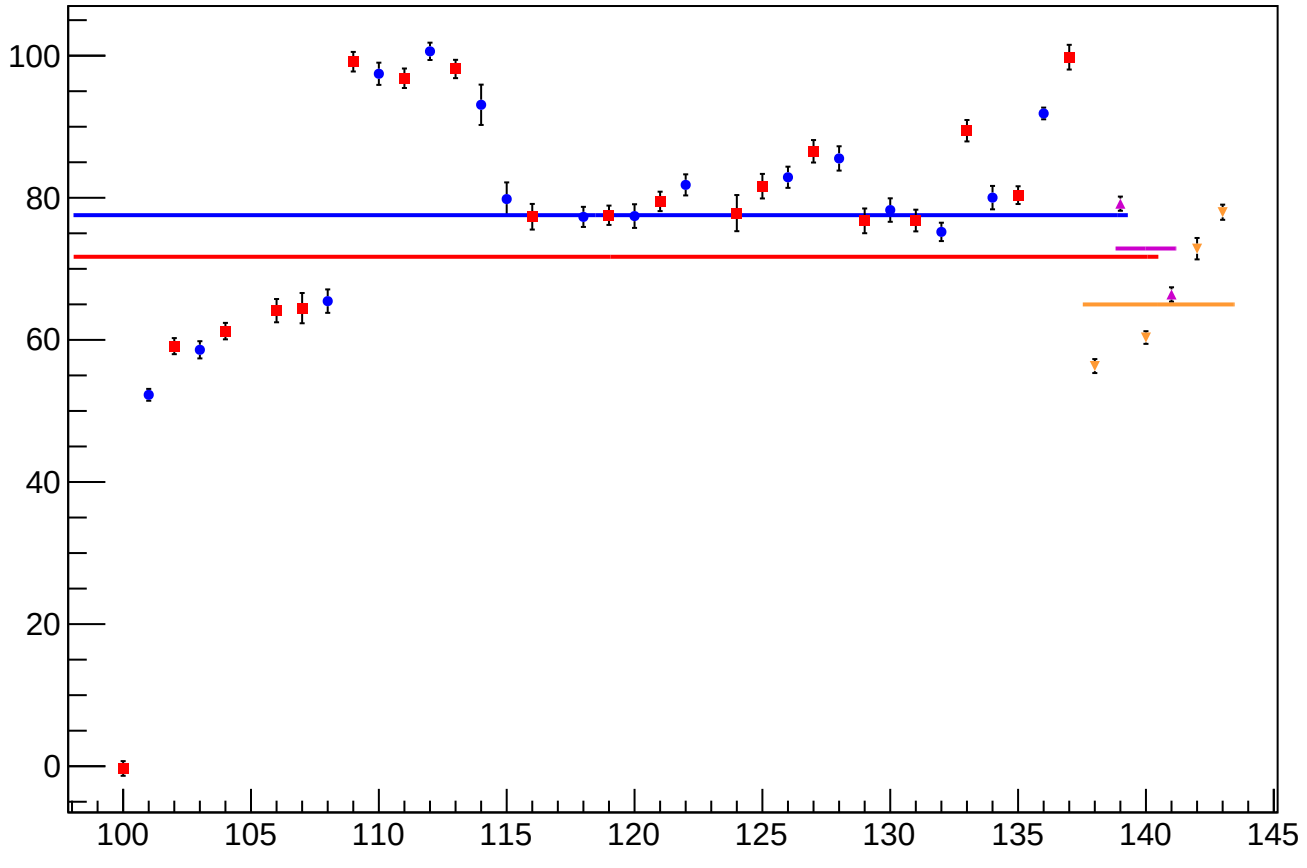
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -40.028+/-0.283 χ^2/NDF:1494.2/17

Out: -36.827+/-0.258 χ^2/NDF:2107.3/22

All: -38.277+/-0.191 χ^2/NDF: 3671.3/40


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
105
110
115
120
125
130
135
140
145
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 2.018+/-0.412 χ²/NDF:107.1/3
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.642+/-0.665 χ²/NDF:6.2/1
Left: 1.914+/-0.350 χ²/NDF: 113.6/5
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.224+/-0.286 χ²/NDF:265.2/17
Out: 4.406+/-0.250 χ²/NDF:376.7/22
All: 4.327+/-0.188 χ²/NDF: 642.2/40



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.989+/-0.526 χ^2/NDF:279.9/3

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 72.861+/-0.710 χ^2/NDF:81.0/1

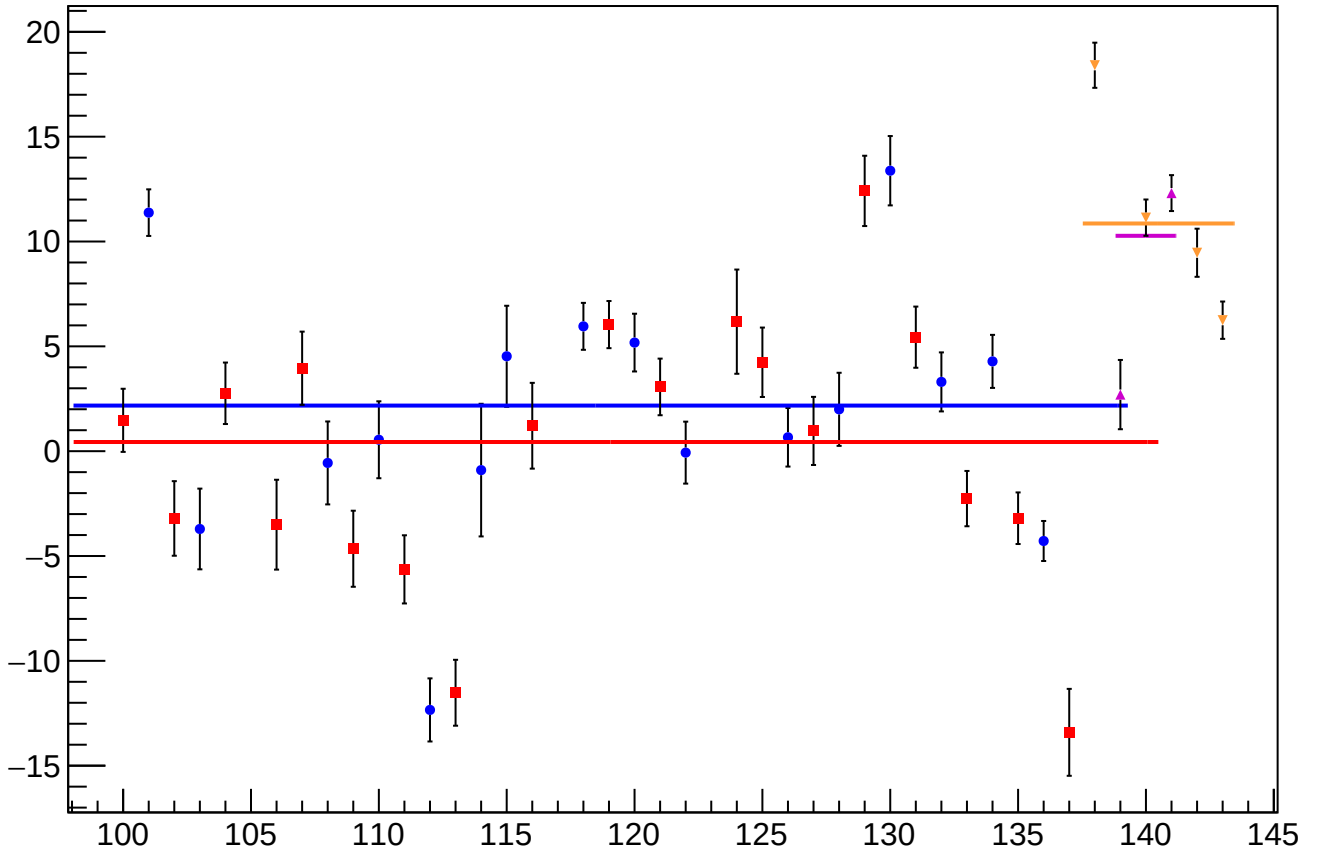
Left: 67.783+/-0.423 χ^2/NDF: 440.4/5

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 76.689+/-0.305 χ^2/NDF:2235.0/17

Out: 69.801+/-0.280 χ^2/NDF:7300.0/22

All: 72.953+/-0.206 χ^2/NDF: 9812.2/40



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 10.860+/-0.487 χ^2/NDF:77.6/3

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 10.272+/-0.761 χ^2/NDF:26.7/1

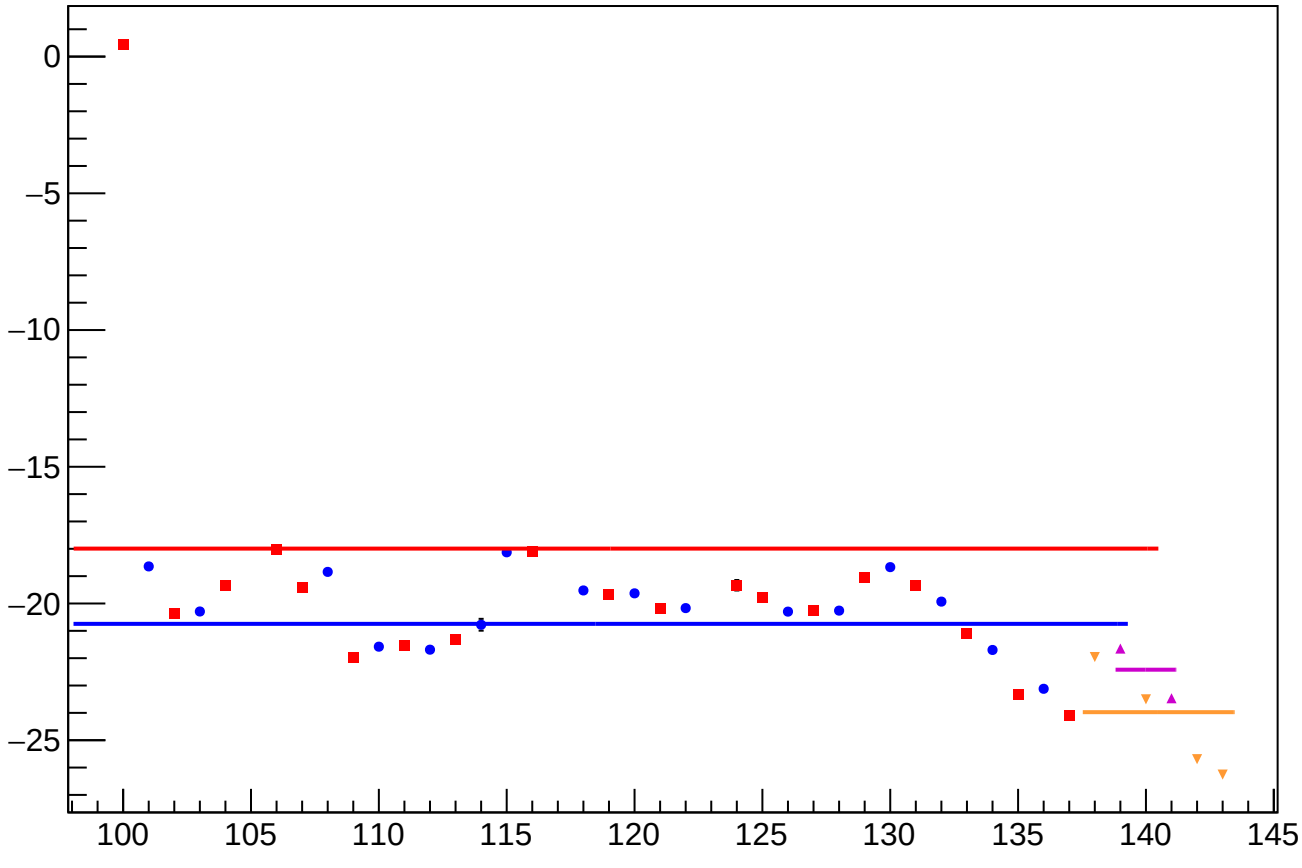
Left: 10.689+/-0.410 χ^2/NDF: 104.7/5

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.681+/-0.328 χ^2/NDF:409.2/17

Out: 4.146+/-0.291 χ^2/NDF:626.7/22

All: 3.941+/-0.217 χ^2/NDF: 1037.0/40



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -23.974+/-0.022 χ^2/NDF:6184.0/3

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -22.421+/-0.027 χ^2/NDF:1109.9/1

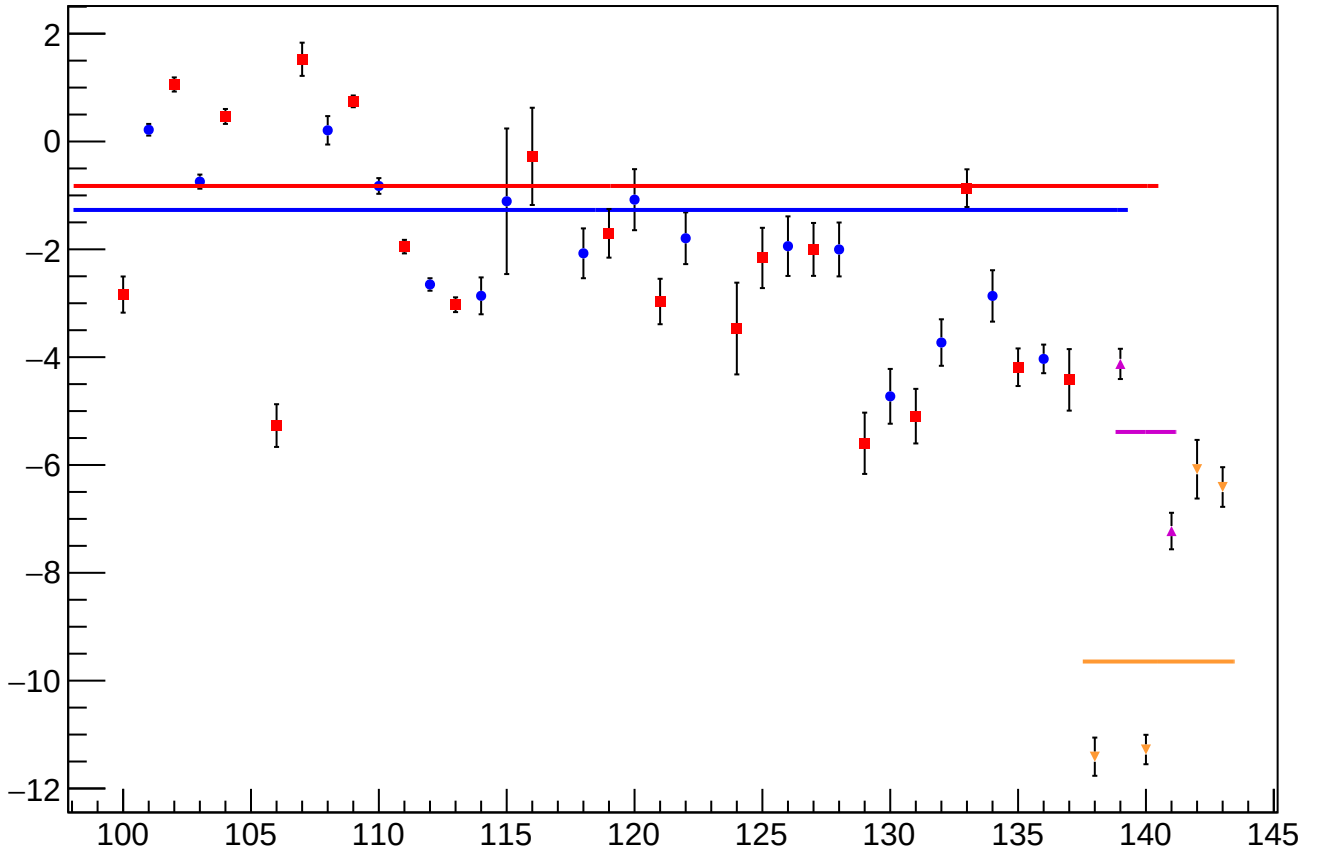
Left: -23.351+/-0.017 χ^2/NDF: 9279.6/5

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -21.318+/-0.016 χ^2/NDF:11166.1/17

Out: -20.519+/-0.014 χ^2/NDF:199155.0/22

All: -20.881+/-0.011 χ^2/NDF: 211726.6/40



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -9.645+/-0.176 χ^2/NDF:181.1/3

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.387+/-0.216 χ^2/NDF:49.7/1

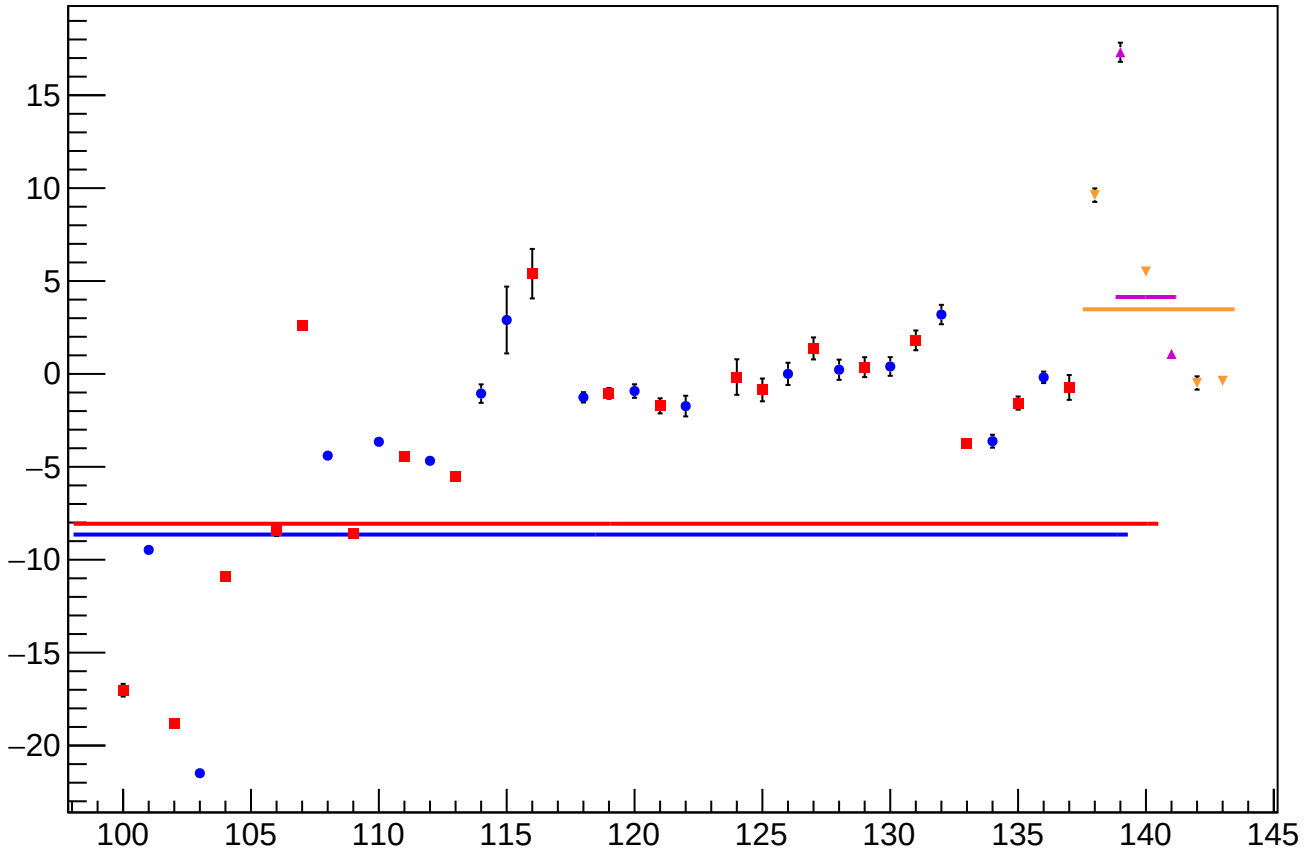
Left: -7.943+/-0.137 χ^2/NDF: 464.0/5

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.516+/-0.053 χ^2/NDF:1007.8/17

Out: -1.507+/-0.049 χ^2/NDF:3874.9/22

All: -1.511+/-0.036 χ^2/NDF: 4882.7/40



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 3.479+/-0.144 χ^2/NDF:694.5/3

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 4.140+/-0.224 χ^2/NDF:805.7/1

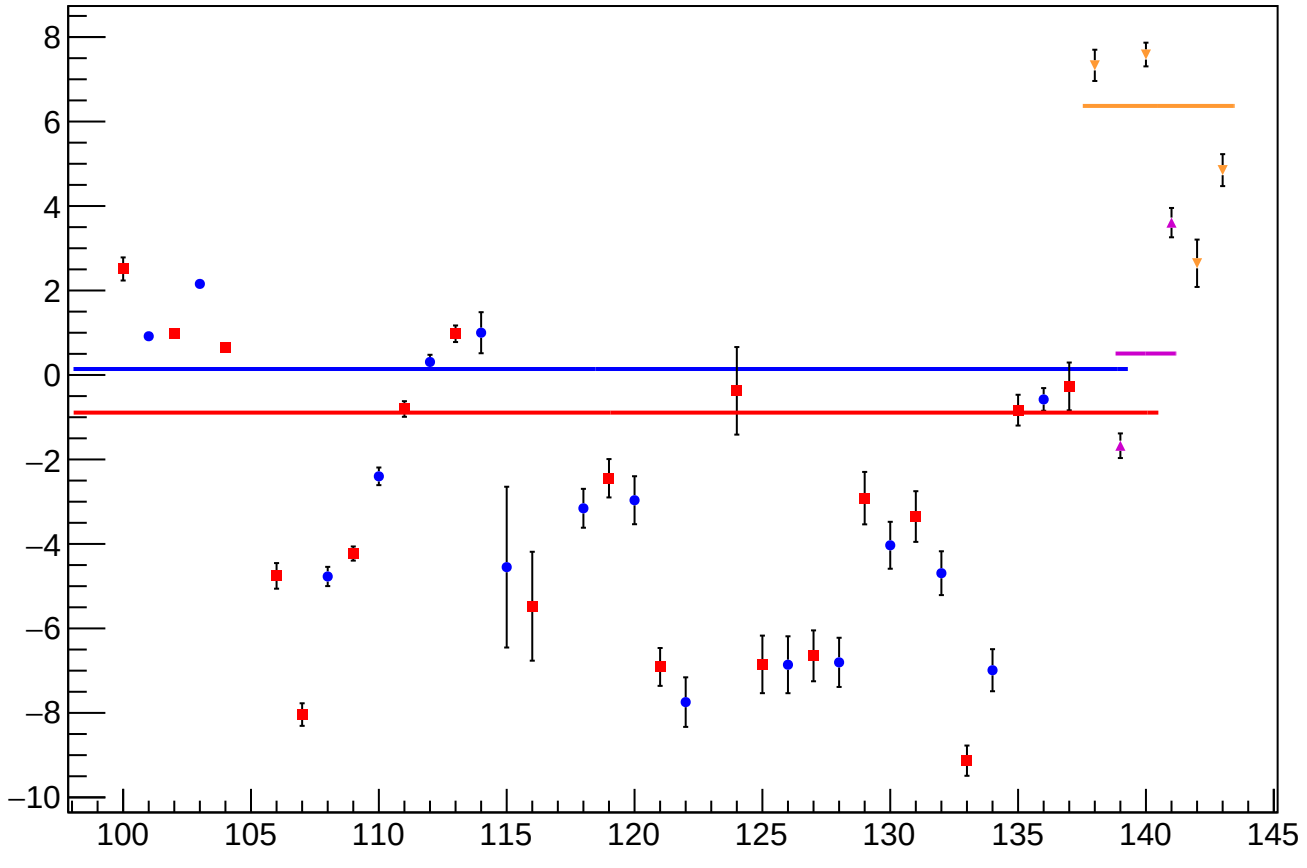
Left: 3.672+/-0.121 χ^2/NDF: 1506.4/5

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -7.868+/-0.055 χ^2/NDF:17698.6/17

Out: -6.470+/-0.053 χ^2/NDF:20680.8/22

All: -7.146+/-0.038 χ^2/NDF: 38710.6/40



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 6.370+/-0.182 χ^2/NDF:85.8/3

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.508+/-0.223 χ^2/NDF:135.6/1

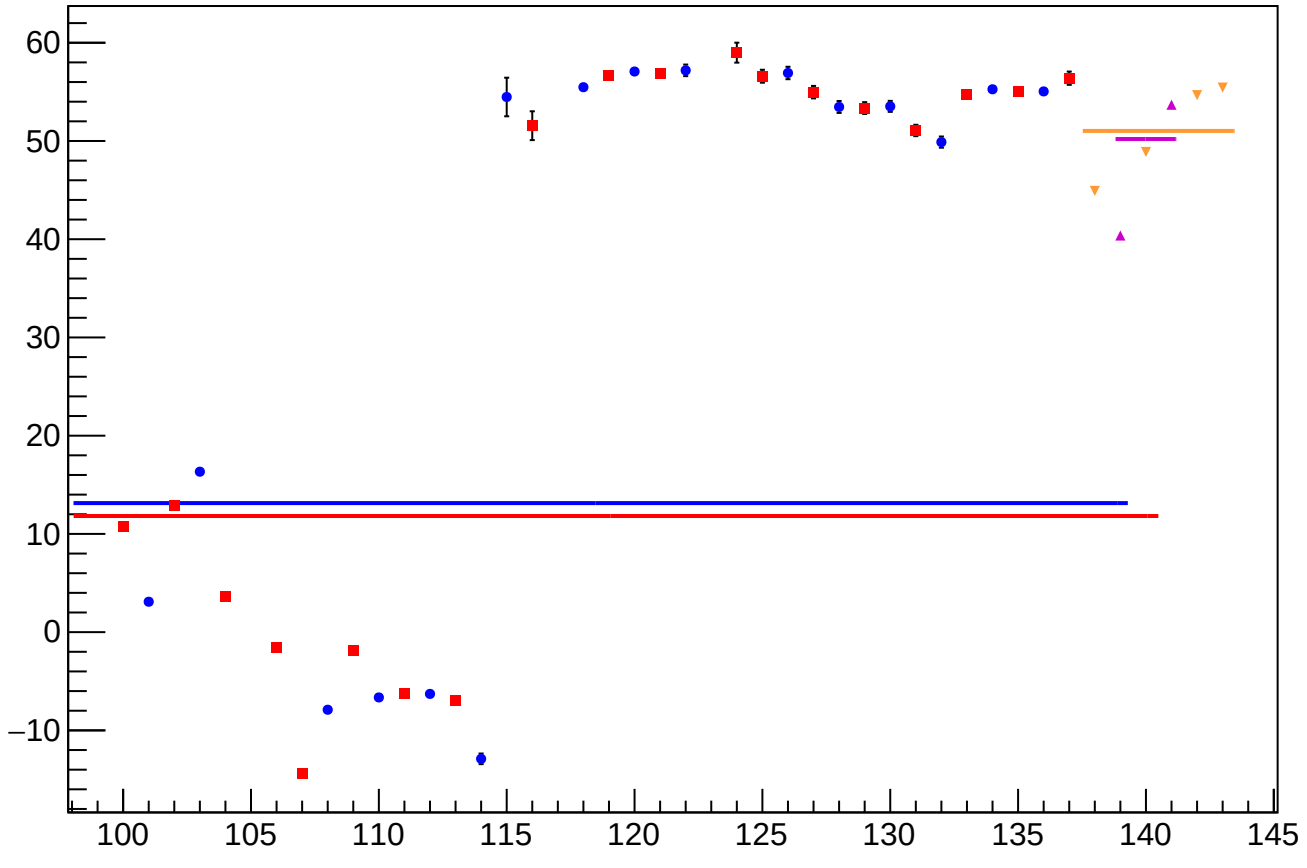
Left: 4.029+/-0.141 χ^2/NDF: 635.4/5

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.161+/-0.052 χ^2/NDF:2097.9/17

Out: -0.312+/-0.051 χ^2/NDF:4535.1/22

All: -0.076+/-0.036 χ^2/NDF: 6675.1/40



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.025+/-0.170 χ^2/NDF:548.6/3

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.200+/-0.253 χ^2/NDF:533.9/1

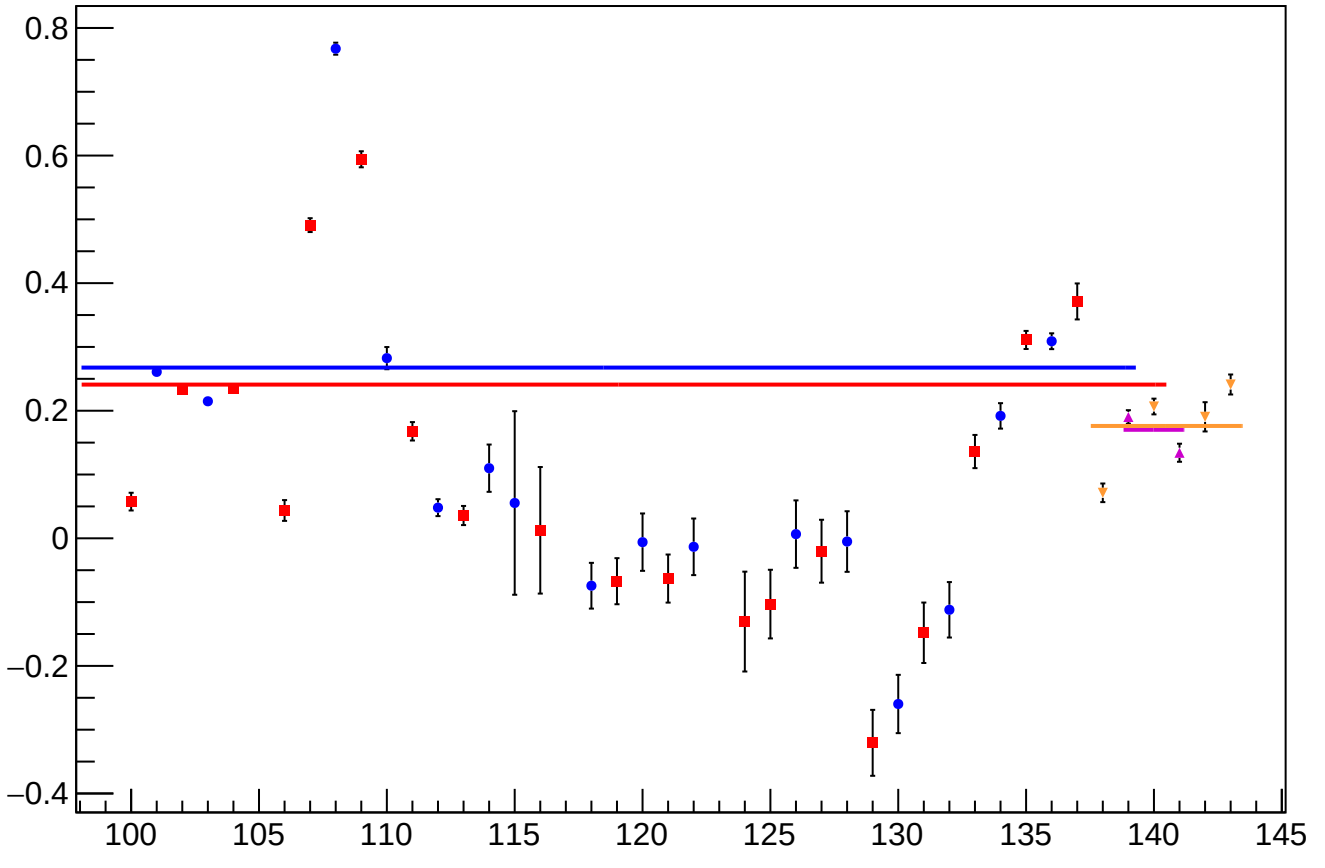
Left: 50.769+/-0.141 χ^2/NDF: 1089.8/5

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 15.622+/-0.066 χ^2/NDF:129068.7/17

Out: 17.214+/-0.063 χ^2/NDF:164634.8/22

All: 16.451+/-0.045 χ^2/NDF: 294009.7/40



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.176+/-0.008 χ^2/NDF:75.3/3

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.170+/-0.008 χ^2/NDF:10.1/1

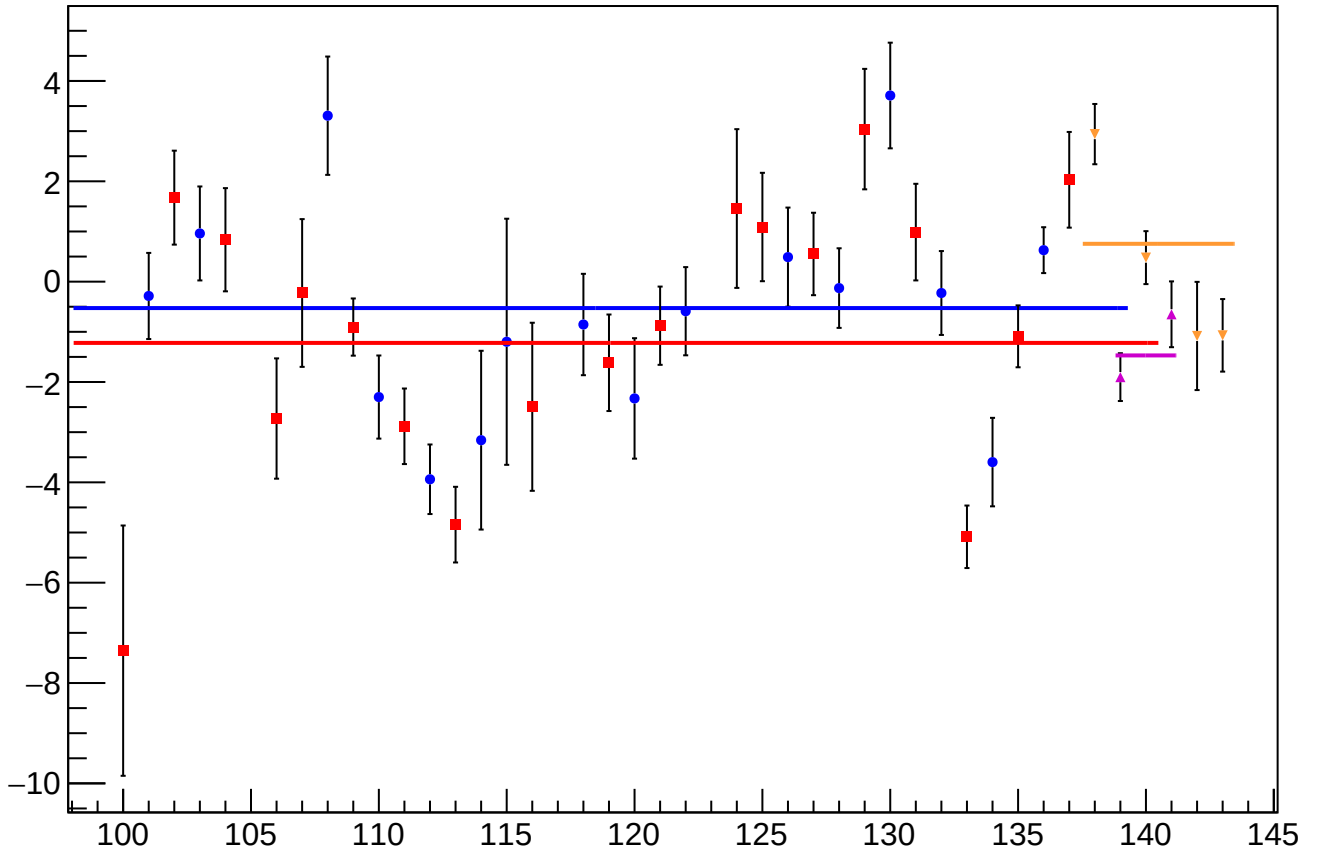
Left: 0.173+/-0.006 χ^2/NDF: 85.6/5

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:2478.6/22

All: 0.245+/-0.002 χ^2/NDF: 6372.4/40



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 0.754+/-0.331 χ^2/NDF:22.8/3

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.470+/-0.385 χ^2/NDF:2.4/1

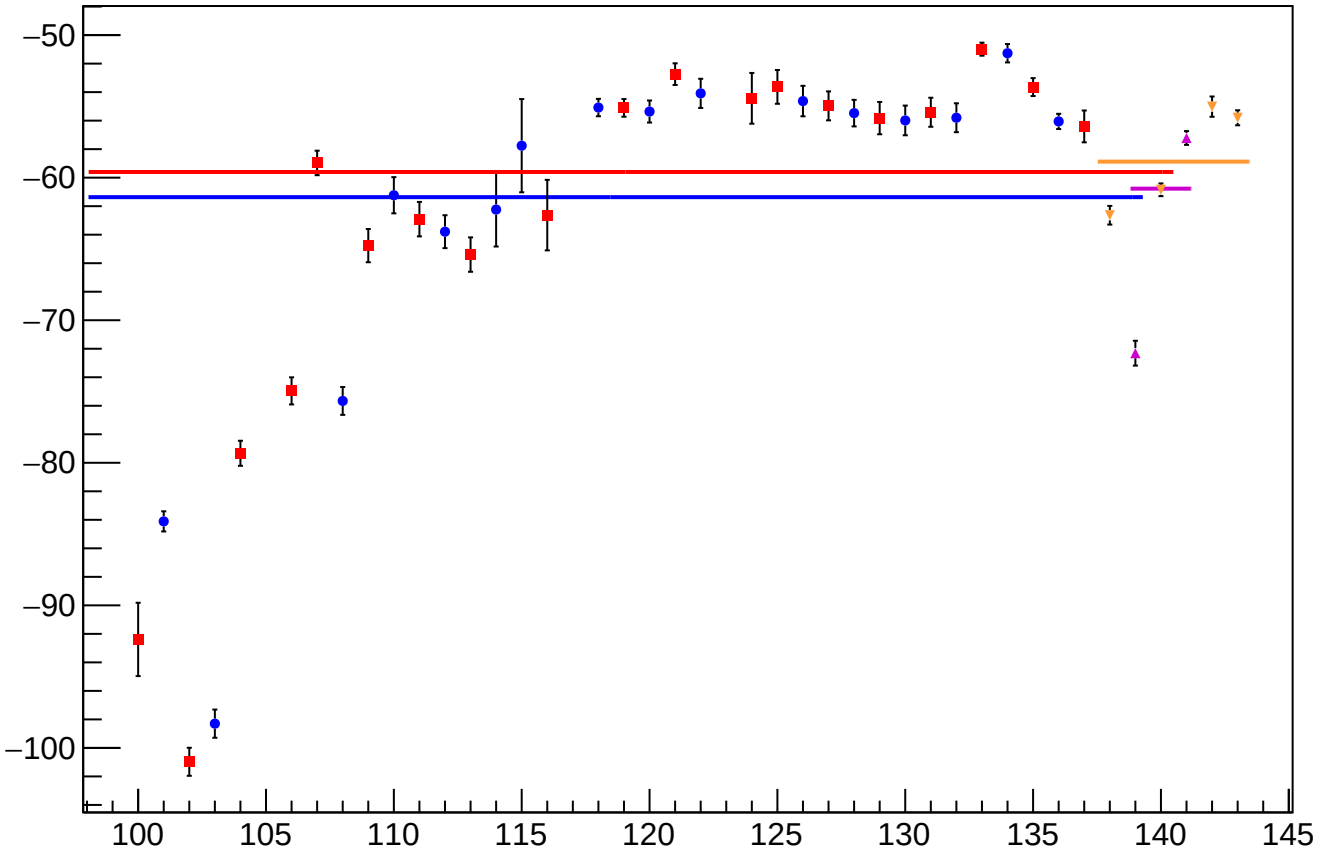
Left: -0.190+/-0.251 χ^2/NDF: 44.4/5

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.754+/-0.189 χ^2/NDF:89.7/17

Out: -0.675+/-0.174 χ^2/NDF:179.5/22

All: -0.711+/-0.128 χ^2/NDF: 269.3/40



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.876+/-0.278 χ^2/NDF:116.1/3

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -60.771+/-0.423 χ^2/NDF:229.6/1

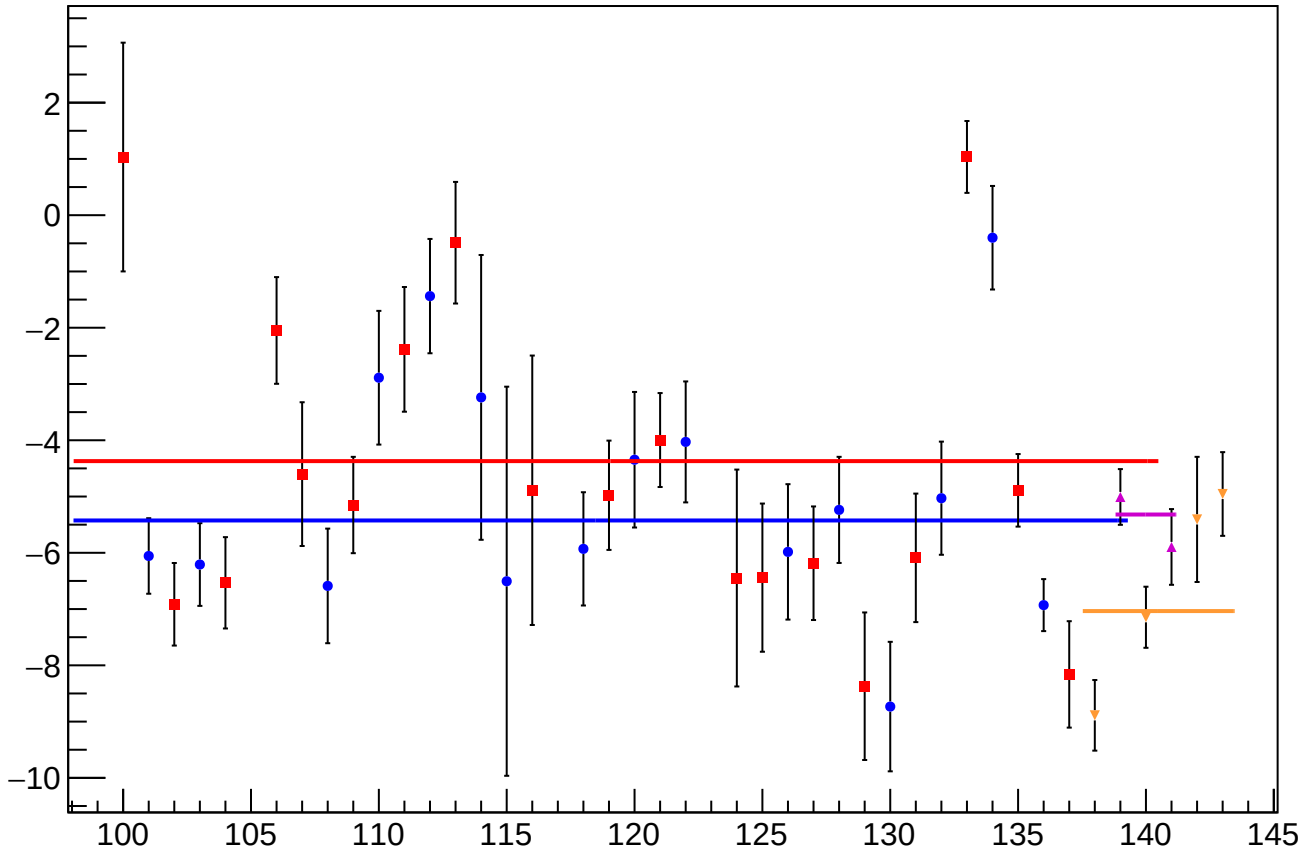
Left: -59.448+/-0.232 χ^2/NDF: 359.7/5

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -61.241+/-0.194 χ^2/NDF:3582.3/17

Out: -59.343+/-0.166 χ^2/NDF:3541.8/22

All: -60.142+/-0.126 χ^2/NDF: 7179.2/40



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.036+/-0.342 χ^2/NDF:18.7/3

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: -6.309+/-0.260 χ^2/NDF: 30.5/5

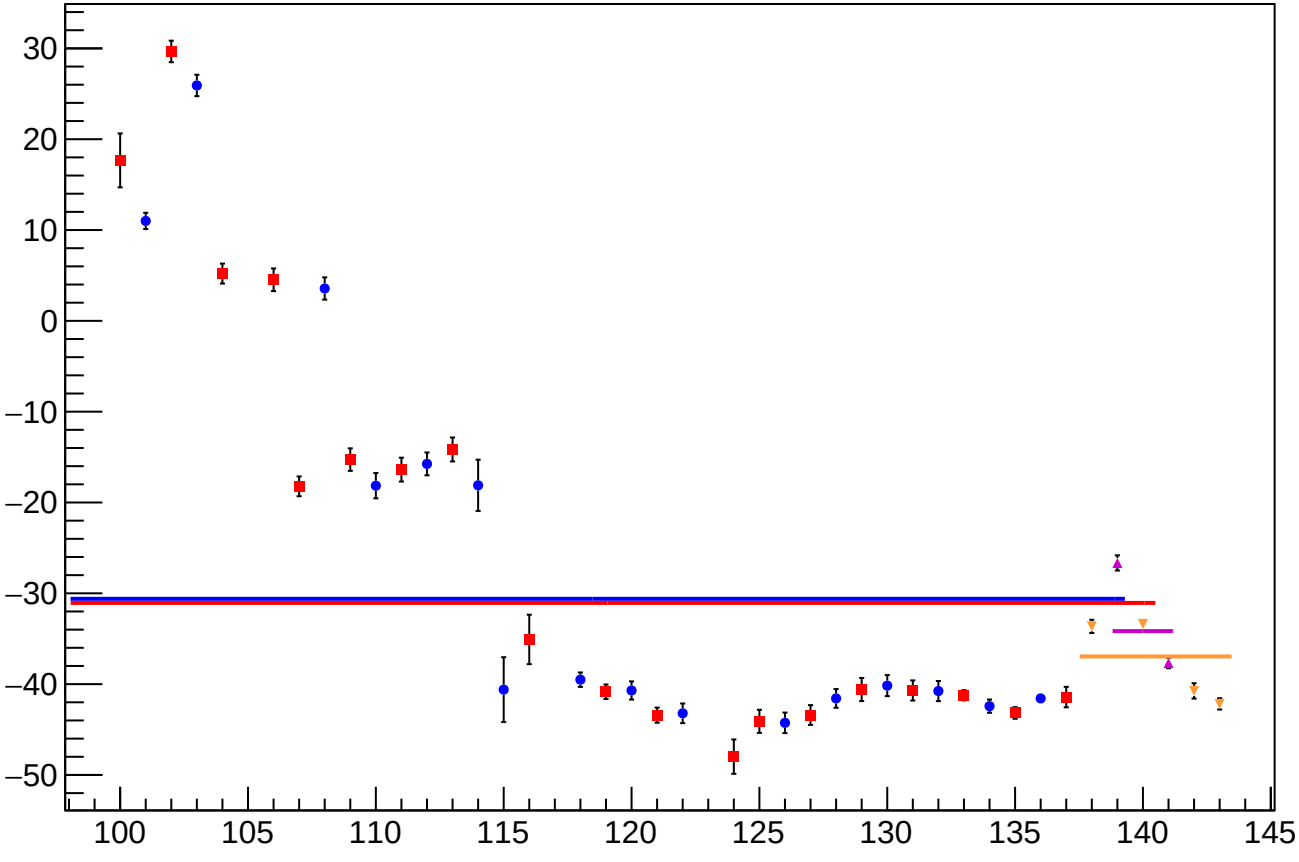
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.399+/-0.199 χ^2/NDF:77.1/17

Out: -5.163+/-0.187 χ^2/NDF:218.0/22

All: -5.273+/-0.136 χ^2/NDF: 295.9/40

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: -36.952+/-0.327 χ^2/NDF:156.2/3

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -34.160+/-0.473 χ^2/NDF:118.2/1

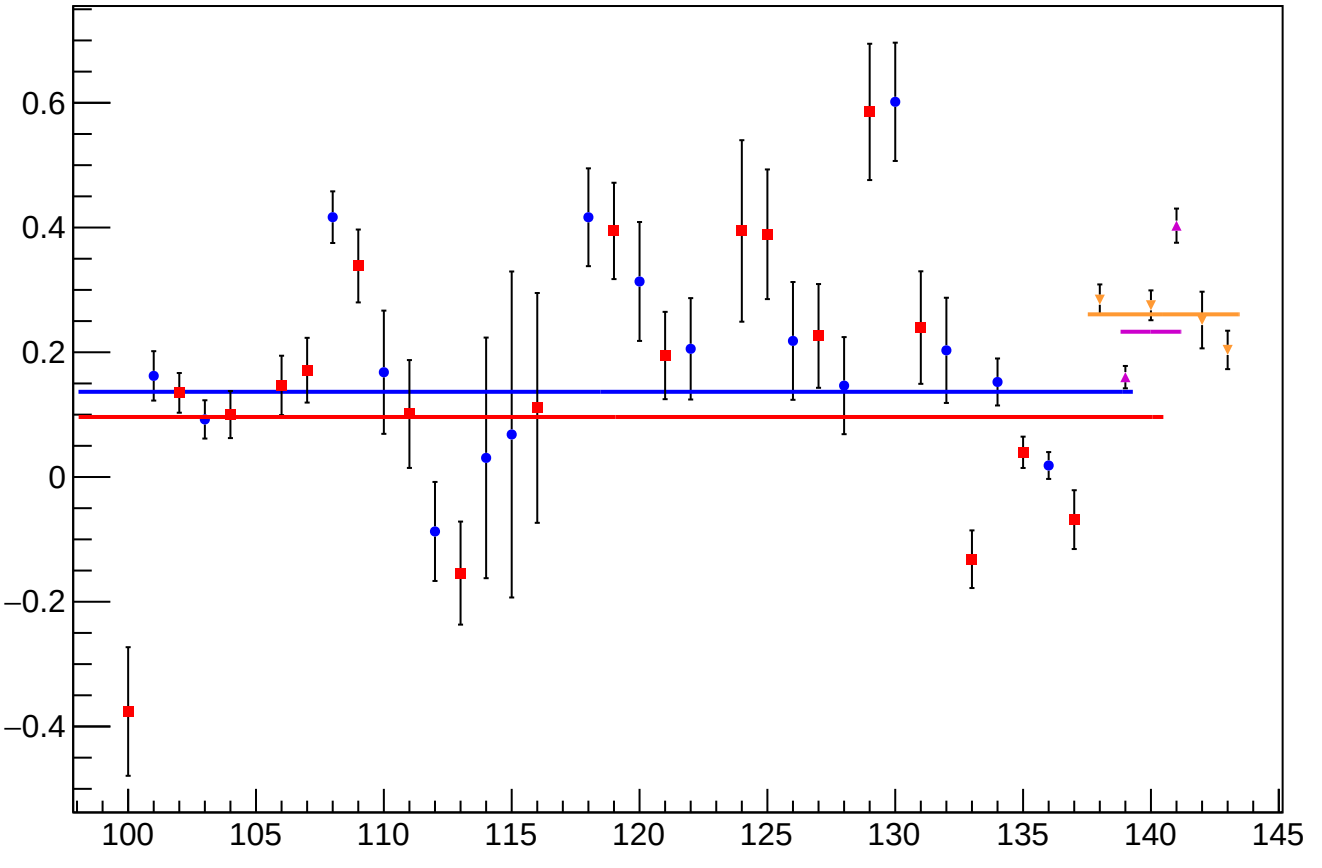
Left: -36.050+/-0.269 χ^2/NDF: 298.0/5

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

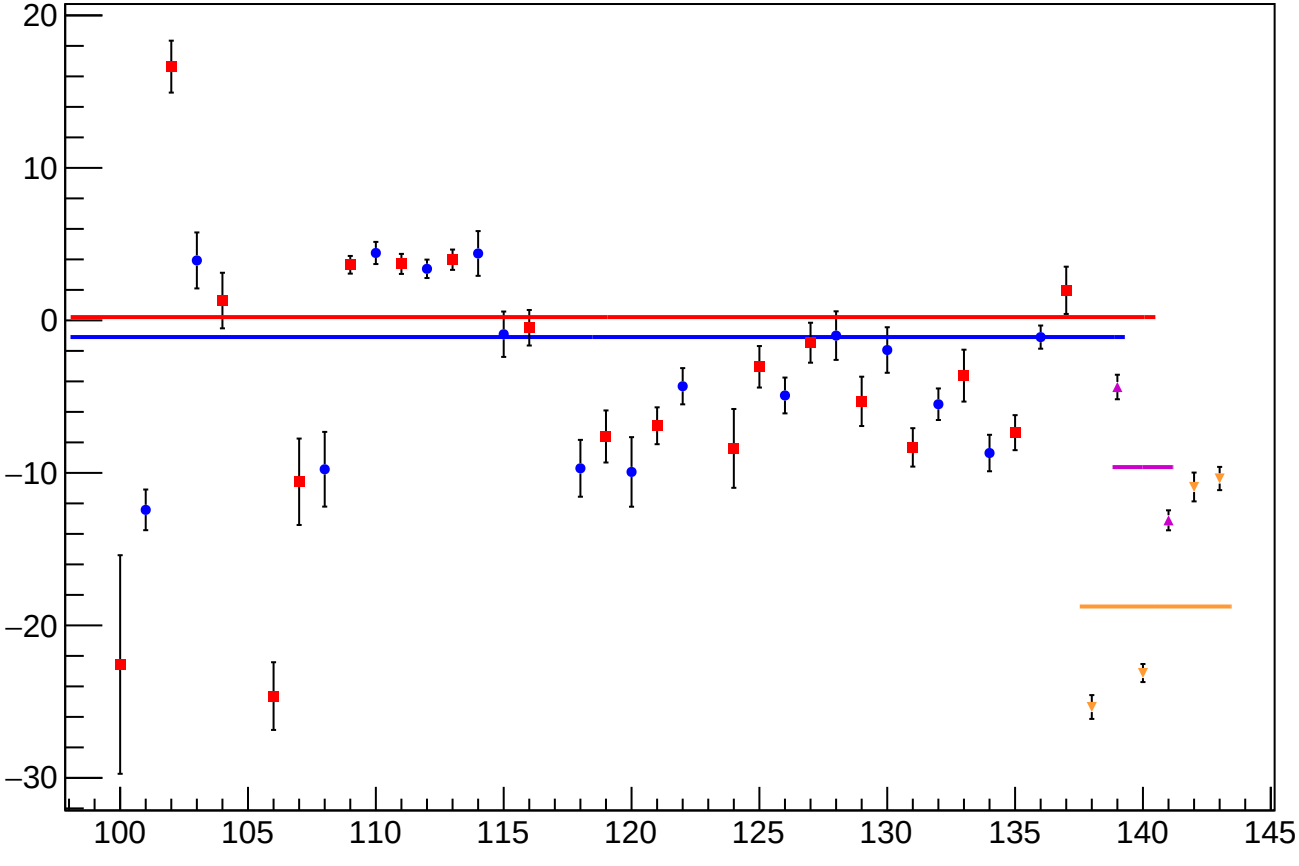
In: -31.379+/-0.221 χ^2/NDF:7100.5/17

Out: -33.098+/-0.192 χ^2/NDF:7345.6/22

All: -32.356+/-0.145 χ^2/NDF: 14480.6/40


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
105
110
115
120
125
130
135
140
145
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.261+/-0.014 χ²/NDF:4.8/3
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.233+/-0.015 χ²/NDF:55.0/1
Left: 0.248+/-0.010 χ²/NDF: 61.6/5
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.176+/-0.010 χ²/NDF:208.6/17
Out: 0.167+/-0.009 χ²/NDF:229.0/22
All: 0.171+/-0.007 χ²/NDF: 438.0/40

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: -18.761+/-0.369 χ^2/NDF:315.7/3

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: -15.602+/-0.299 χ^2/NDF: 598.6/5

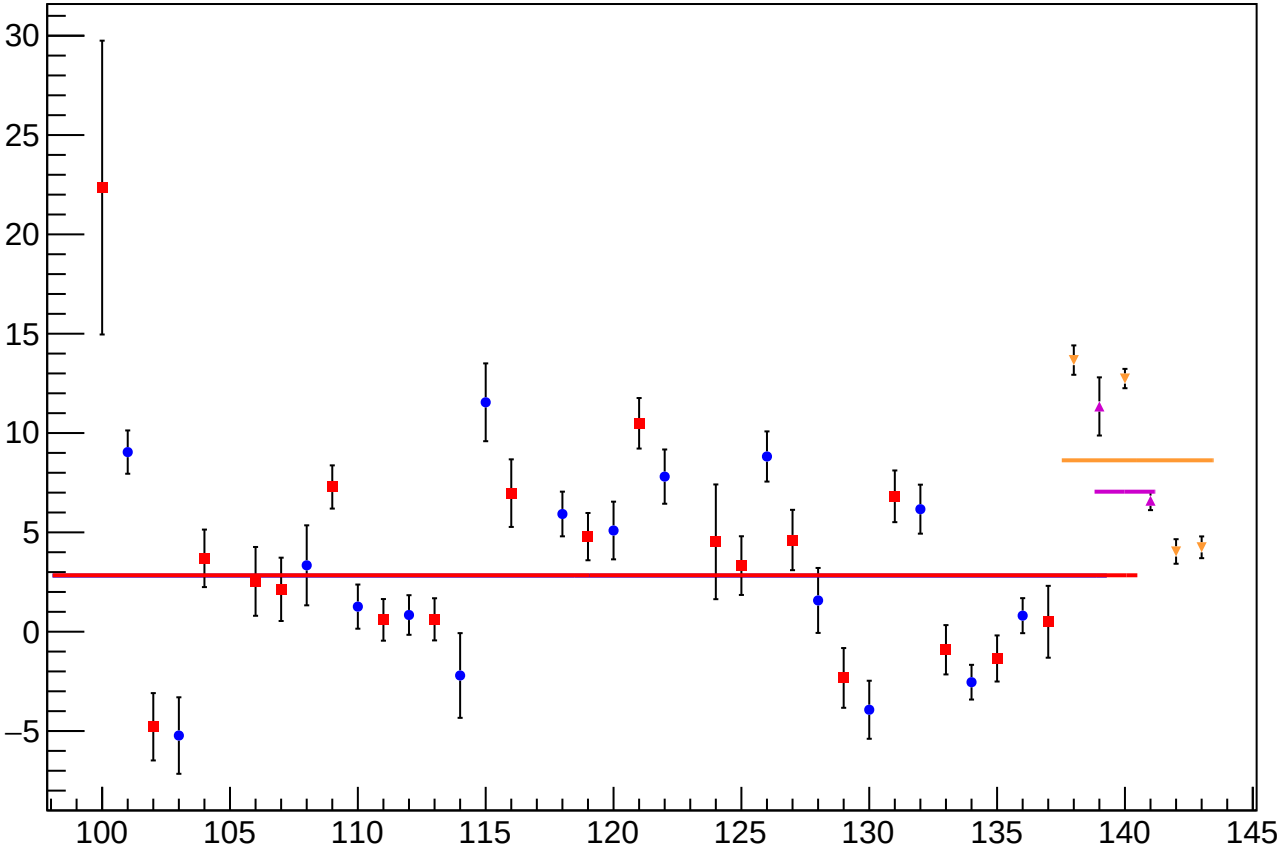
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -3.085+/-0.246 χ^2/NDF:618.8/17

Out: -6.274+/-0.216 χ^2/NDF:2575.0/22

All: -4.884+/-0.162 χ^2/NDF: 3288.9/40

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 8.626+/-0.289 χ^2/NDF:237.1/3

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 7.048+/-0.452 χ^2/NDF:9.5/1

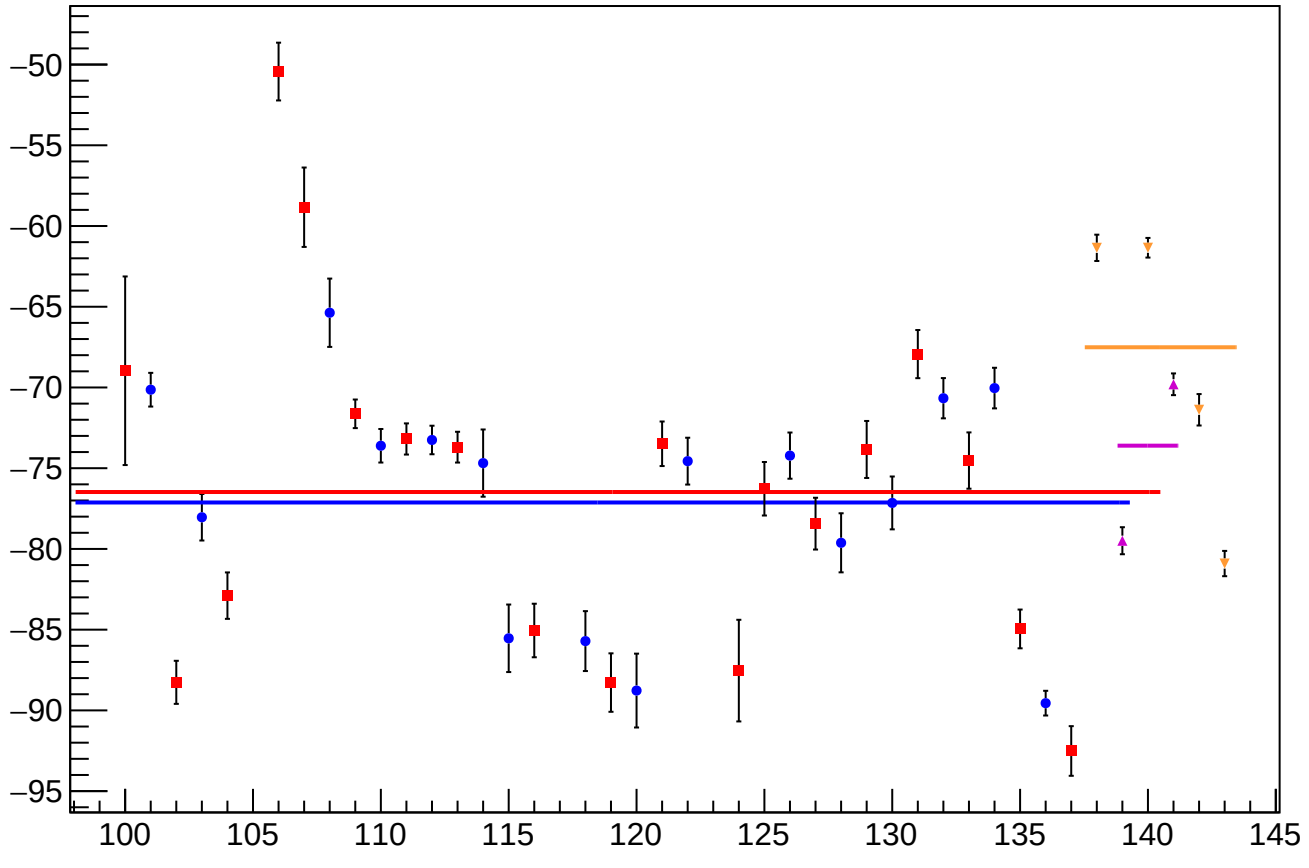
Left: 8.170+/-0.243 χ^2/NDF: 255.3/5

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 4.193+/-0.258 χ^2/NDF:268.0/17

Out: 6.052+/-0.215 χ^2/NDF:561.0/22

All: 5.289+/-0.165 χ^2/NDF: 859.7/40



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -67.510+/-0.381 χ^2/NDF:468.0/3

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -73.604+/-0.524 χ^2/NDF:81.4/1

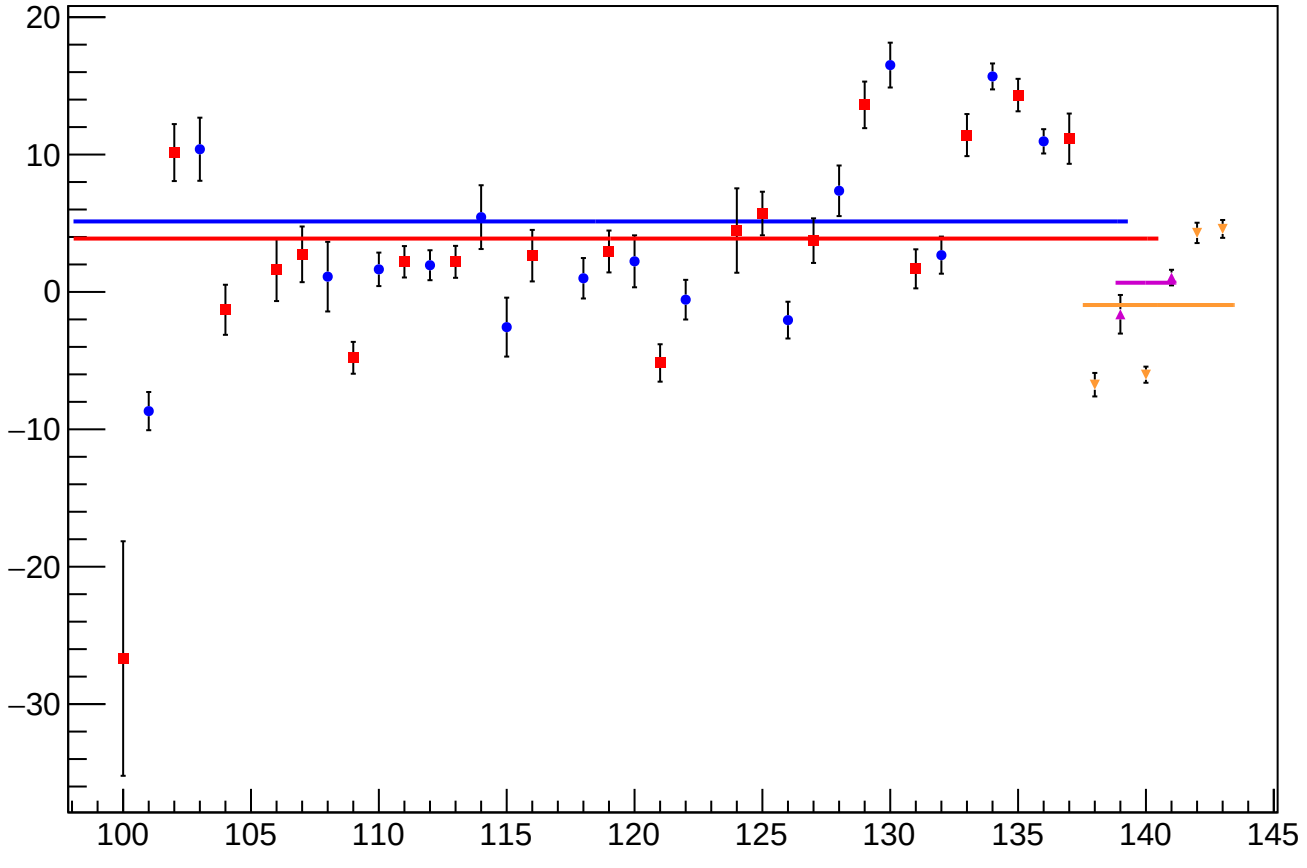
Left: -69.616+/-0.308 χ^2/NDF: 637.8/5

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -76.141+/-0.277 χ^2/NDF:617.2/17

Out: -72.652+/-0.249 χ^2/NDF:1481.4/22

All: -74.209+/-0.185 χ^2/NDF: 2186.4/40



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: -0.951+/-0.344 χ^2/NDF:243.6/3

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 0.670+/-0.526 χ^2/NDF:3.1/1

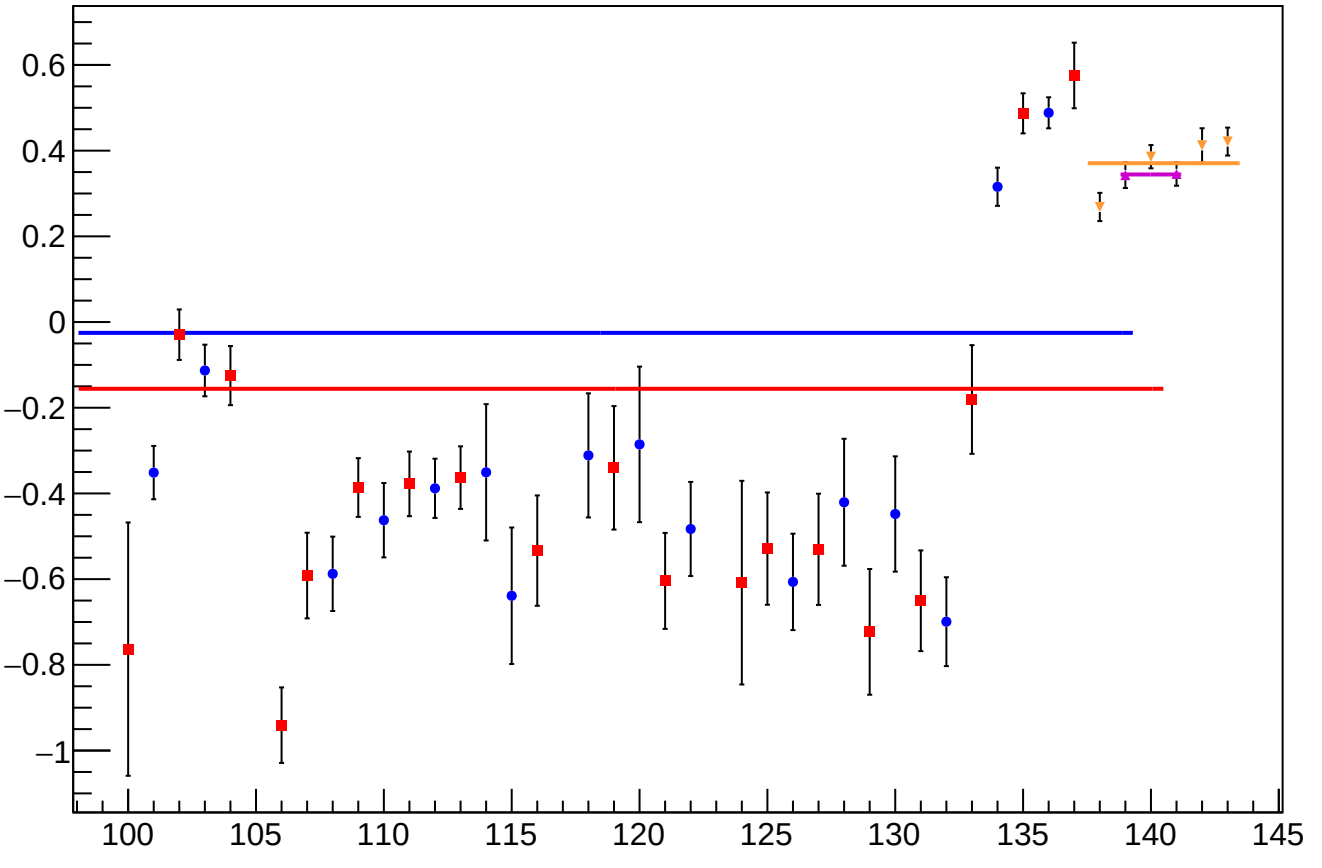
Left: -0.467+/-0.288 χ^2/NDF: 253.3/5

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.765+/-0.291 χ^2/NDF:465.3/17

Out: 1.345+/-0.249 χ^2/NDF:629.1/22

All: 2.367+/-0.189 χ^2/NDF: 1134.2/40



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.371+/-0.016 χ^2/NDF:13.4/3

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.344+/-0.020 χ^2/NDF:0.0/1

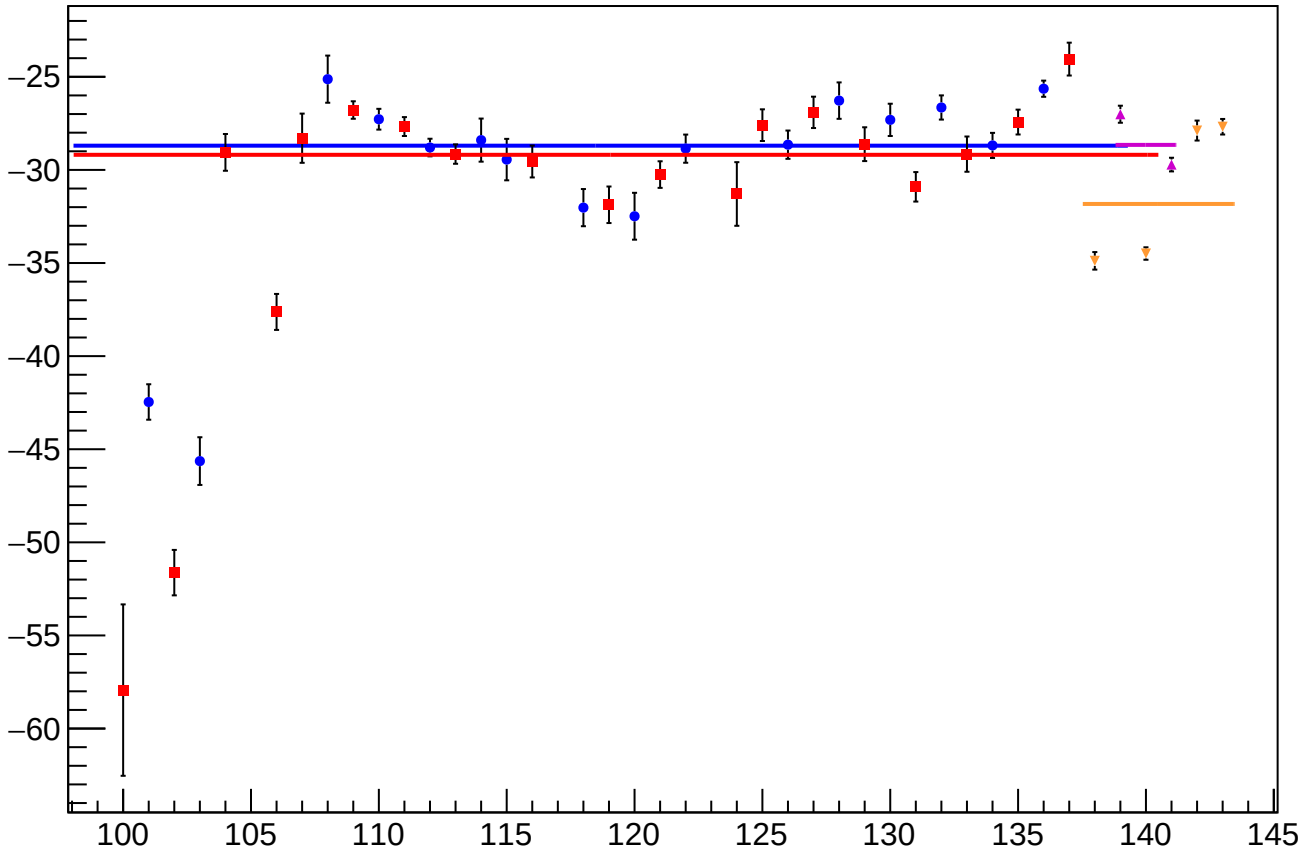
Left: 0.361+/-0.013 χ^2/NDF: 14.5/5

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.147+/-0.014 χ^2/NDF:689.5/17

Out: 0.166+/-0.013 χ^2/NDF:923.1/22

All: 0.157+/-0.009 χ^2/NDF: 1613.7/40



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -31.828+/-0.210 χ^2/NDF:257.8/3

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -28.656+/-0.286 χ^2/NDF:21.3/1

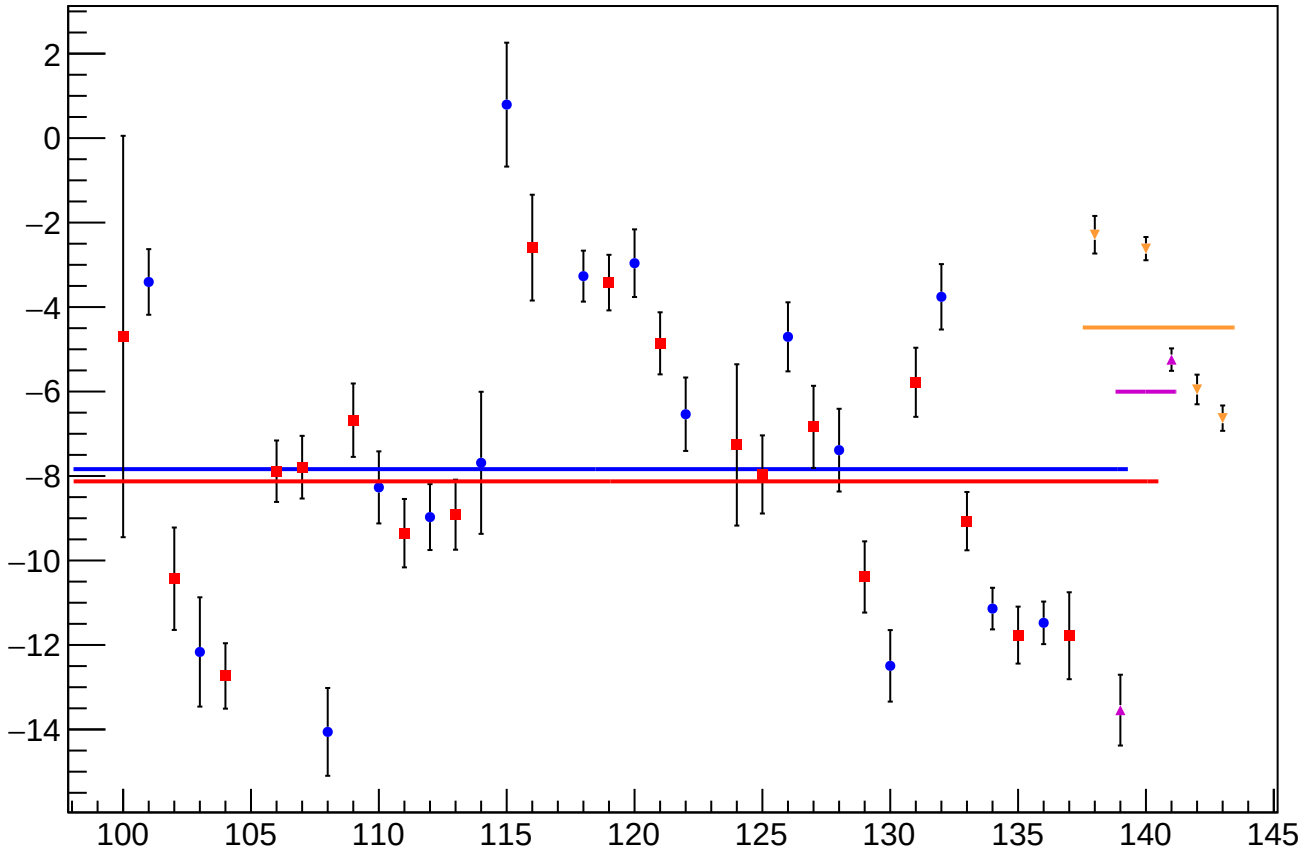
Left: -30.716+/-0.169 χ^2/NDF: 358.8/5

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -28.686+/-0.156 χ^2/NDF:508.6/17

Out: -30.314+/-0.137 χ^2/NDF:905.5/22

All: -29.603+/-0.103 χ^2/NDF: 1475.6/40



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -4.484+/-0.163 χ^2/NDF:139.1/3

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.004+/-0.254 χ^2/NDF:89.1/1

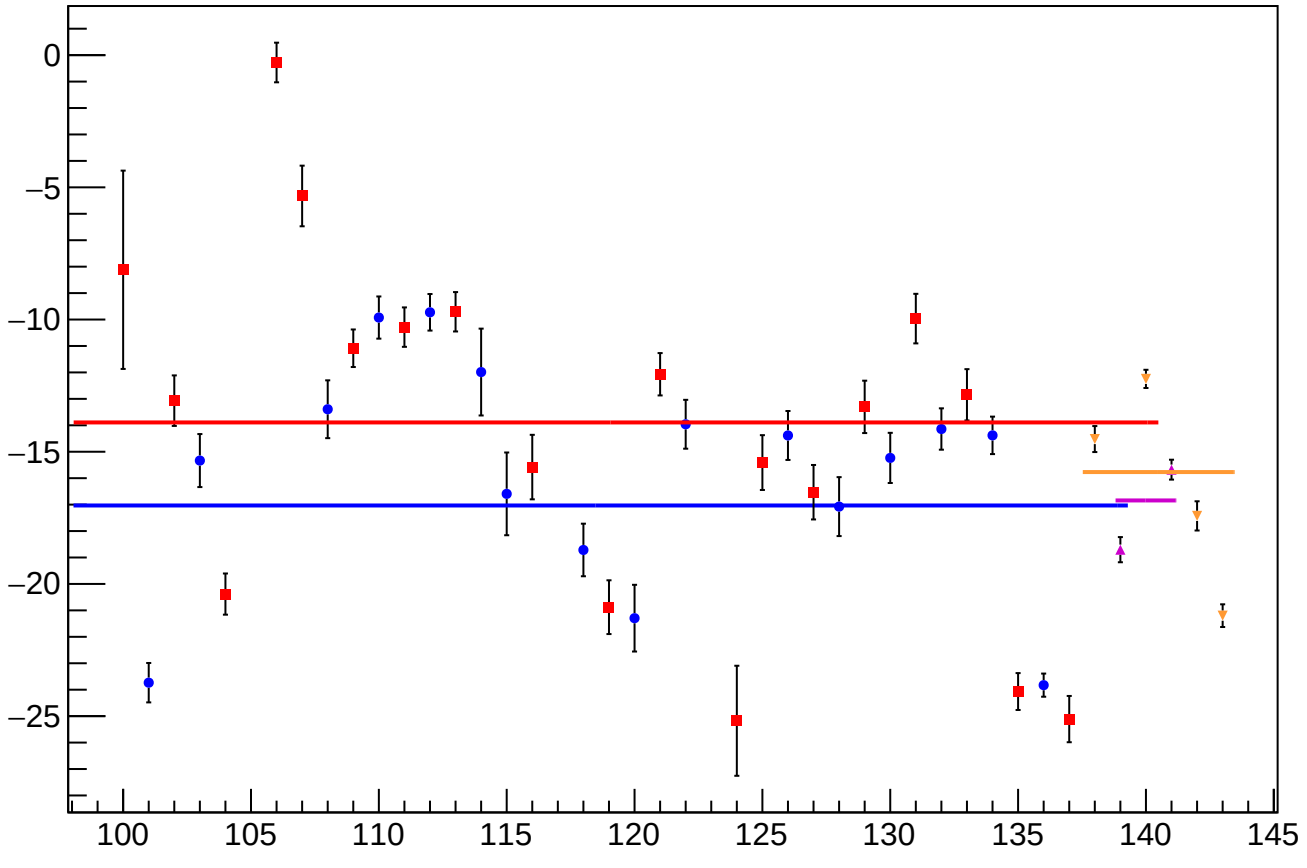
Left: -4.929+/-0.137 χ^2/NDF: 253.6/5

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.156+/-0.155 χ^2/NDF:505.2/17

Out: -5.970+/-0.126 χ^2/NDF:539.5/22

All: -6.442+/-0.097 χ^2/NDF: 1080.1/40



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -15.769+/-0.217 χ^2/NDF:280.1/3

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -16.842+/-0.295 χ^2/NDF:24.9/1

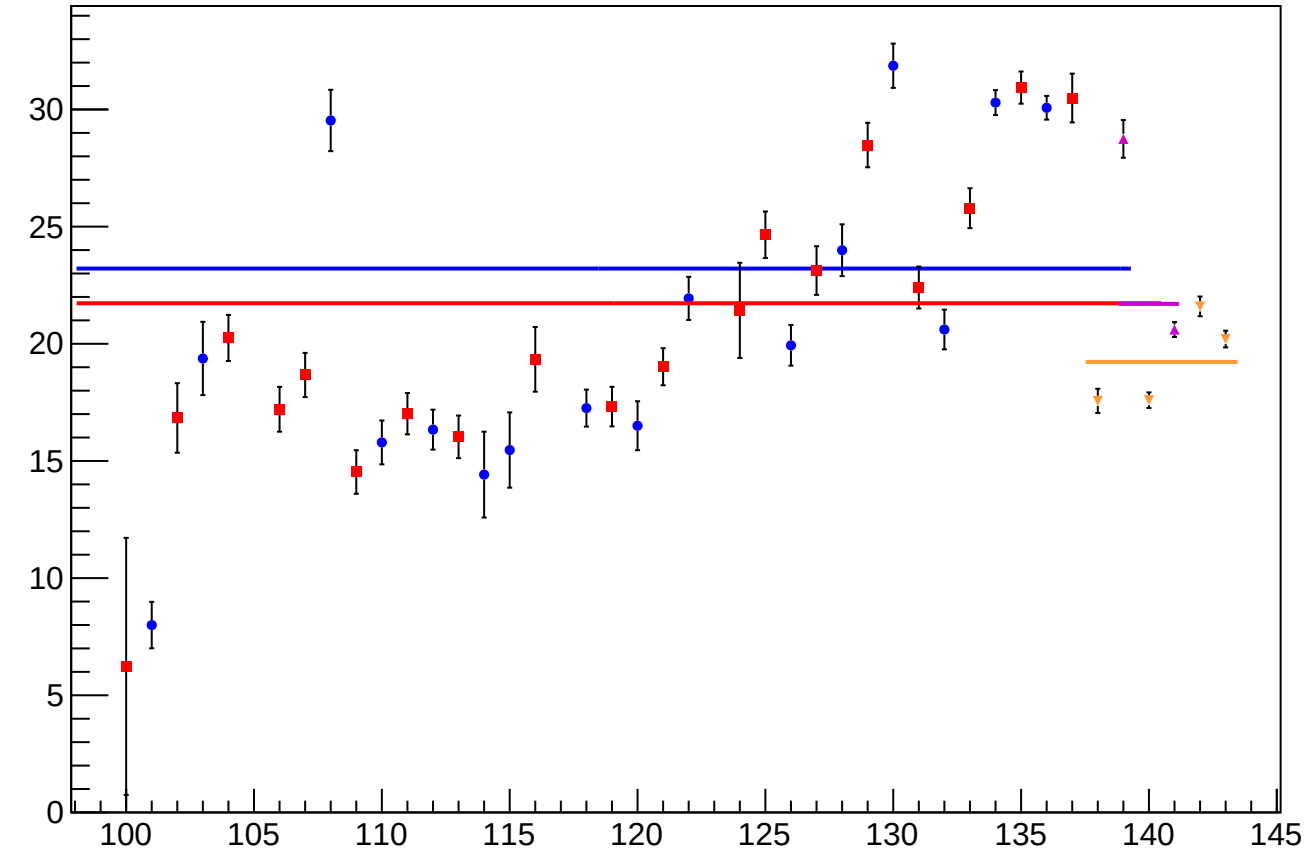
Left: -16.145+/-0.175 χ^2/NDF: 313.6/5

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -16.969+/-0.171 χ^2/NDF:626.3/17

Out: -14.797+/-0.151 χ^2/NDF:1336.3/22

All: -15.747+/-0.113 χ^2/NDF: 2053.6/40



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 19.227+/-0.195 χ^2/NDF:74.0/3

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.704+/-0.295 χ^2/NDF:88.4/1

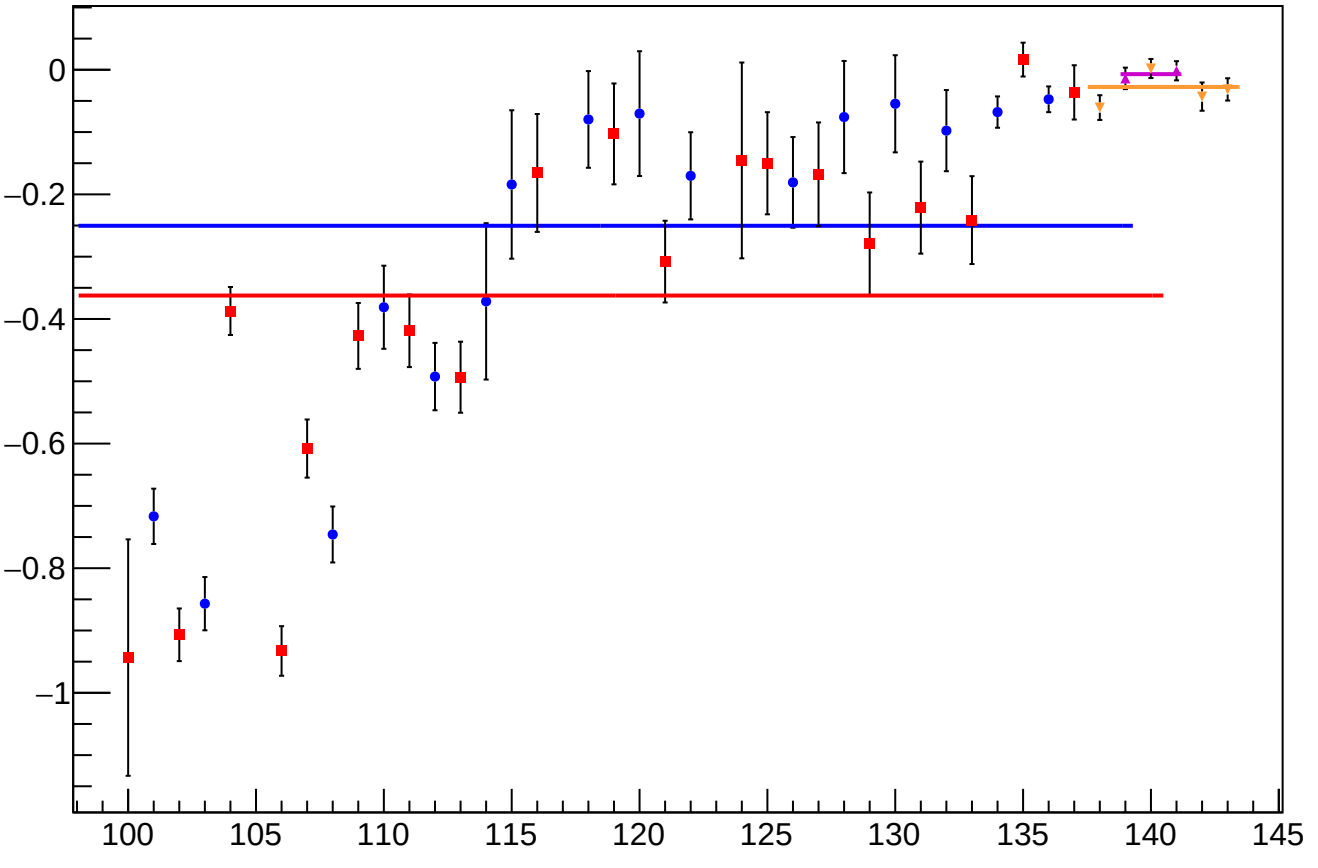
Left: 19.977+/-0.163 χ^2/NDF: 211.4/5

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.679+/-0.175 χ^2/NDF:1113.5/17

Out: 20.302+/-0.147 χ^2/NDF:703.3/22

All: 21.283+/-0.113 χ^2/NDF: 1924.6/40



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.028+/-0.009 χ^2/NDF:7.0/3

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.007+/-0.011 χ^2/NDF:0.3/1

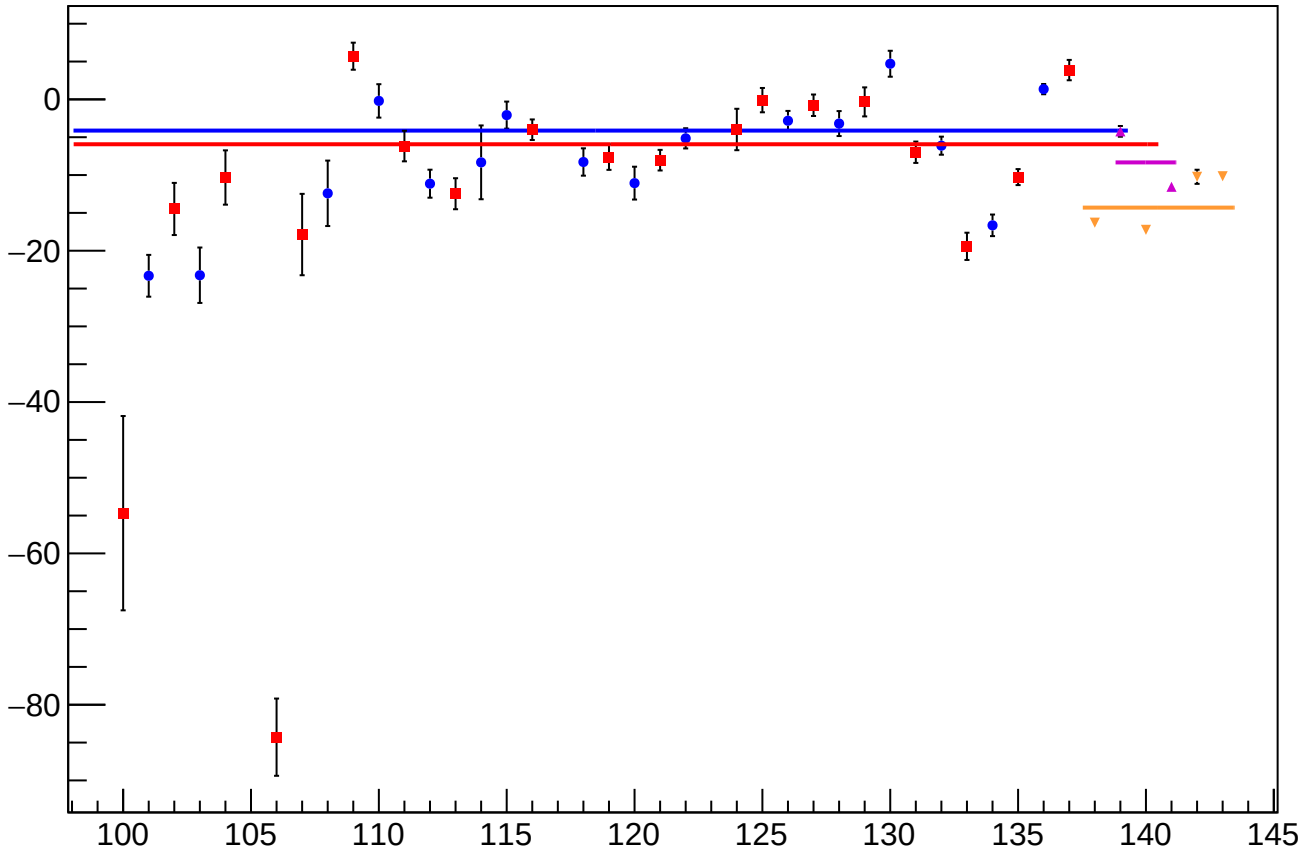
Left: -0.020+/-0.007 χ^2/NDF: 9.3/5

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.127+/-0.008 χ^2/NDF:855.0/17

Out: -0.147+/-0.007 χ^2/NDF:1184.7/22

All: -0.138+/-0.005 χ^2/NDF: 2043.0/40



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -14.303+/-0.336 χ^2/NDF:94.3/3

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -8.330+/-0.470 χ^2/NDF:59.9/1

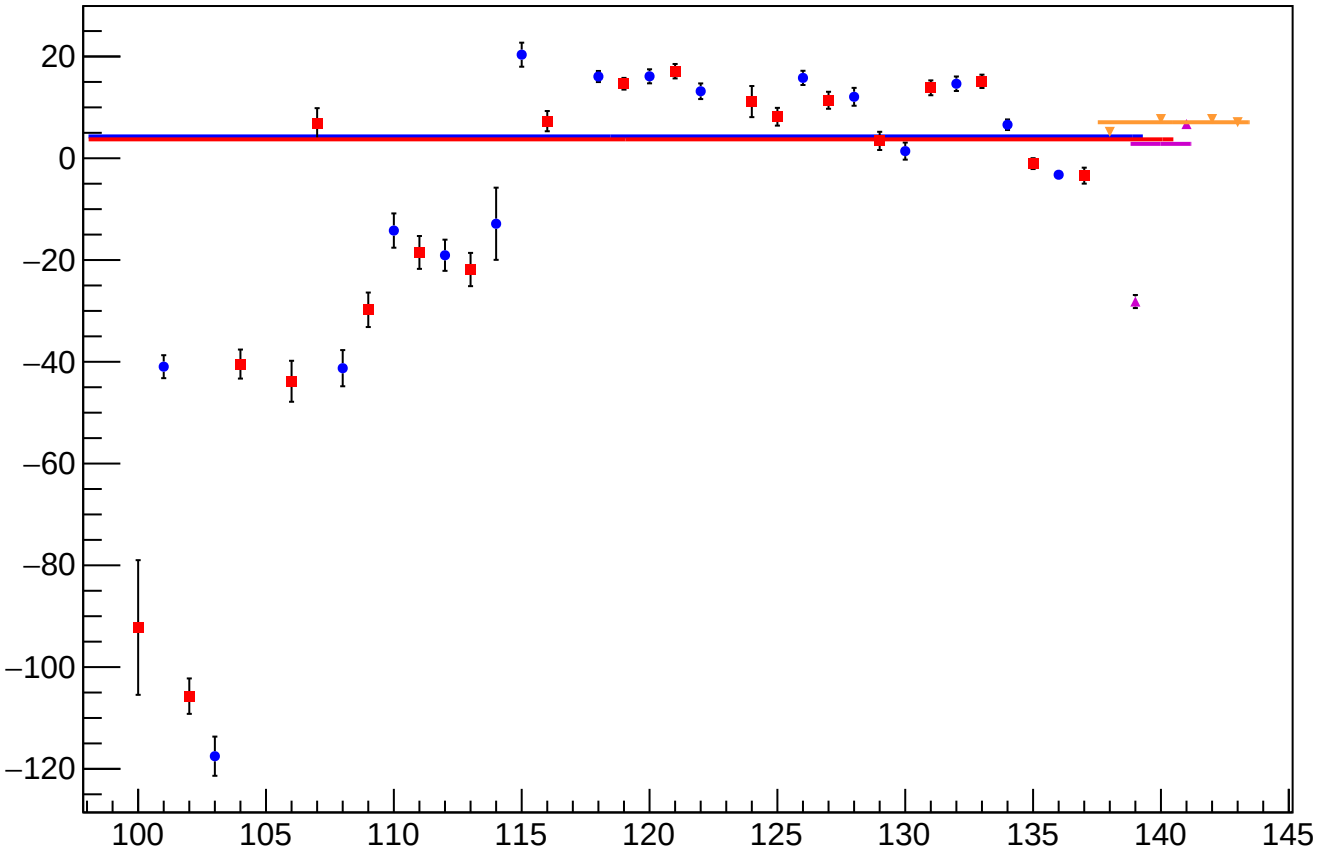
Left: -12.281+/-0.273 χ^2/NDF: 261.1/5

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -5.797+/-0.296 χ^2/NDF:396.1/17

Out: -10.916+/-0.259 χ^2/NDF:828.0/22

All: -8.696+/-0.195 χ^2/NDF: 1393.2/40



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 7.077+/-0.265 χ^2/NDF:11.7/3

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 2.831+/-0.430 χ^2/NDF:653.8/1

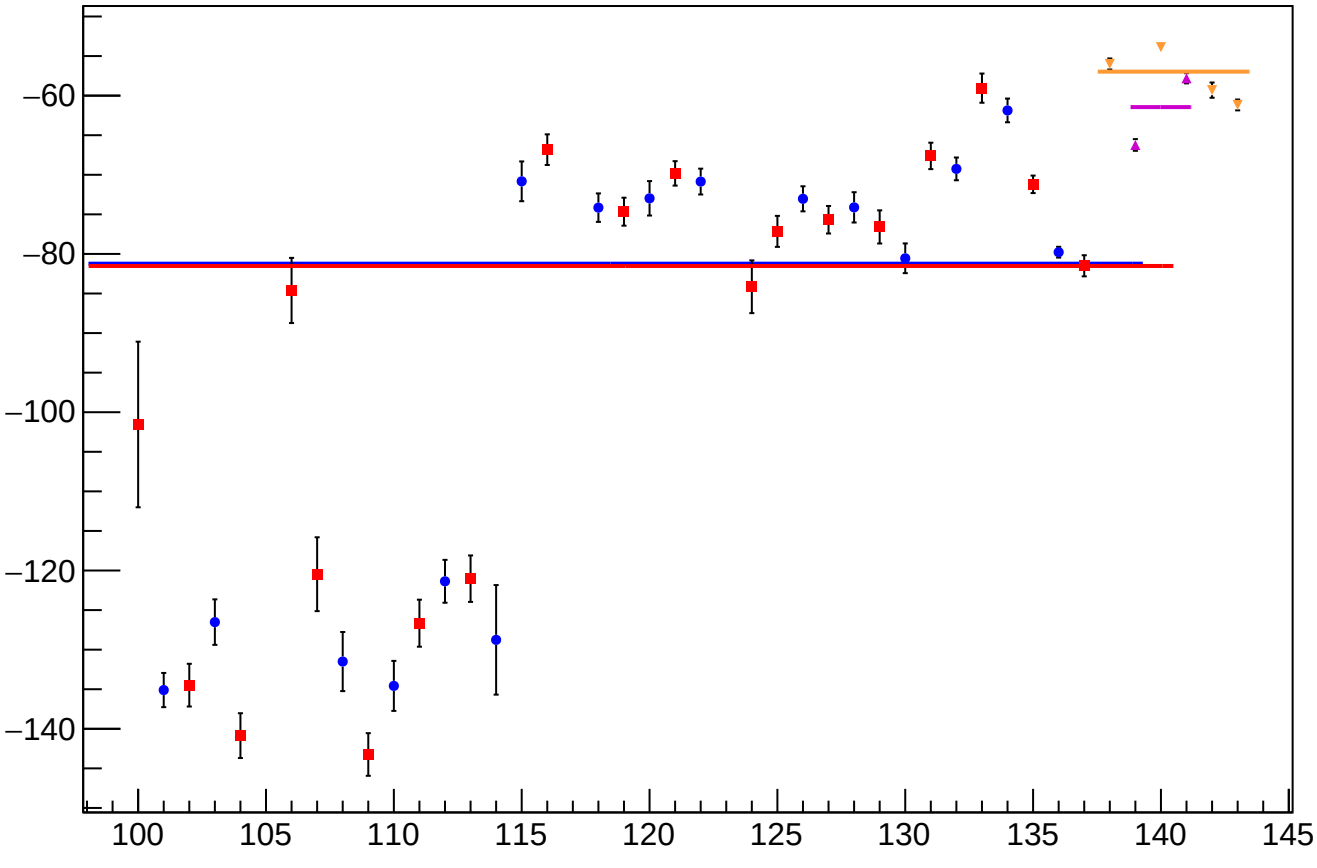
Left: 5.907+/-0.226 χ^2/NDF: 736.3/5

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 3.641+/-0.287 χ^2/NDF:2829.3/17

Out: 6.128+/-0.225 χ^2/NDF:2064.3/22

All: 5.183+/-0.177 χ^2/NDF: 4940.3/40



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -56.969+/-0.347 χ^2/NDF:74.5/3

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -61.448+/-0.485 χ^2/NDF:74.1/1

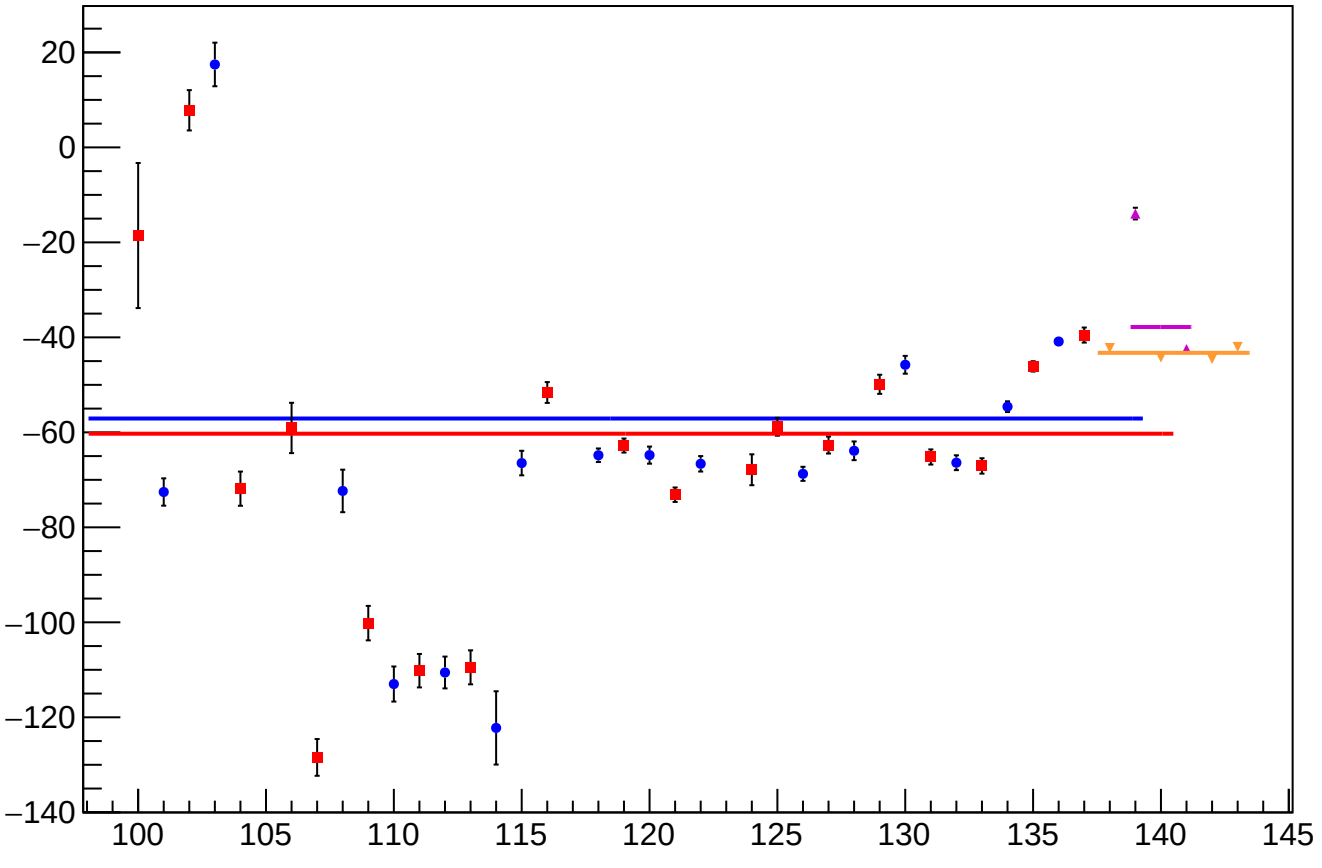
Left: -58.484+/-0.282 χ^2/NDF: 205.0/5

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -72.827+/-0.316 χ^2/NDF:3002.1/17

Out: -65.829+/-0.277 χ^2/NDF:4176.2/22

All: -68.872+/-0.208 χ^2/NDF: 7455.2/40



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -43.256+/-0.315 χ^2/NDF:12.9/3

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -37.818+/-0.498 χ^2/NDF:447.5/1

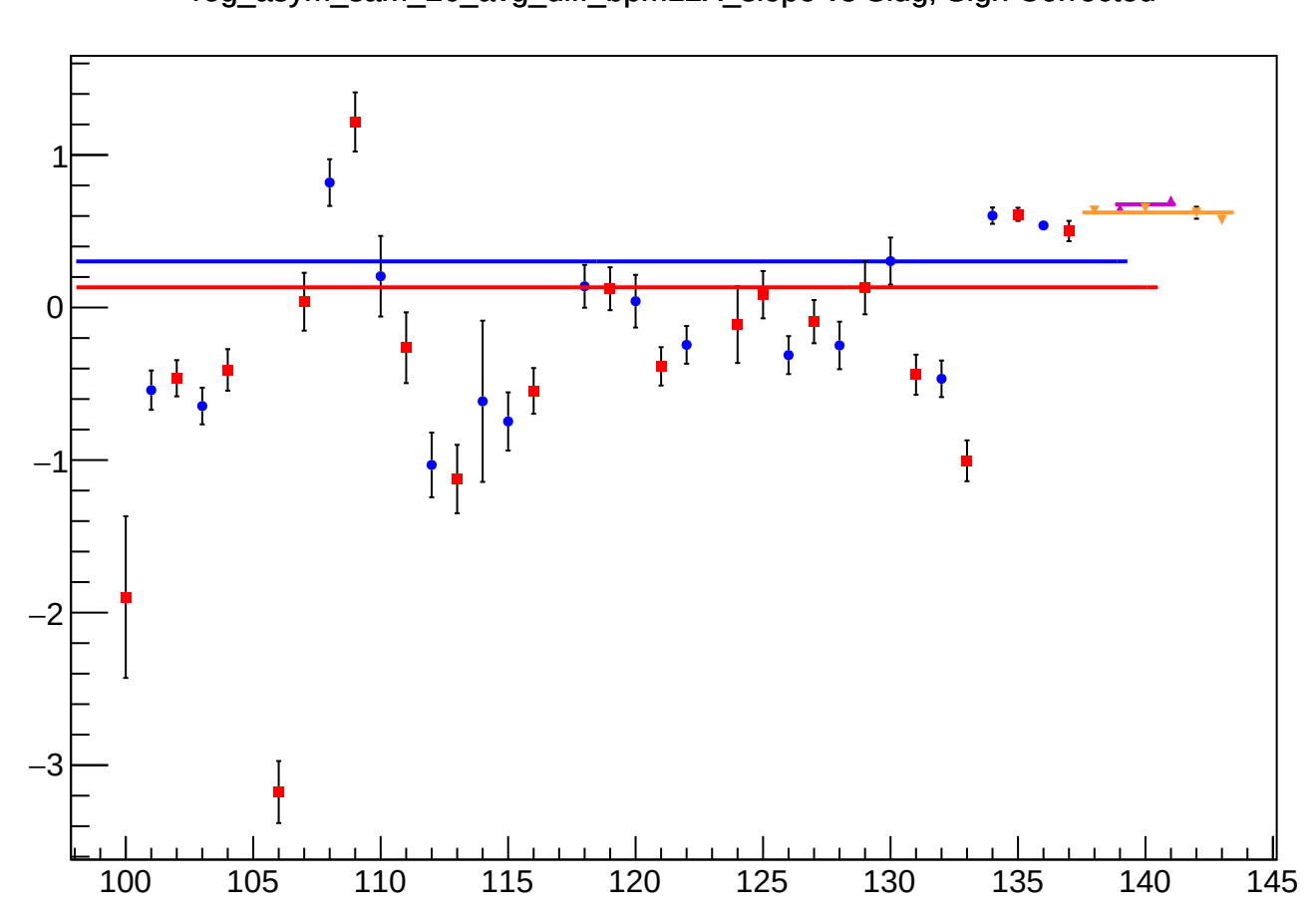
Left: -41.699+/-0.266 χ^2/NDF: 545.6/5

Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -48.947+/-0.324 χ^2/NDF:2839.9/17

Out: -48.543+/-0.262 χ^2/NDF:2506.2/22

All: -48.703+/-0.204 χ^2/NDF: 5347.0/40



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.623+/-0.015 χ^2/NDF:4.4/3

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.676+/-0.019 χ^2/NDF:2.1/1

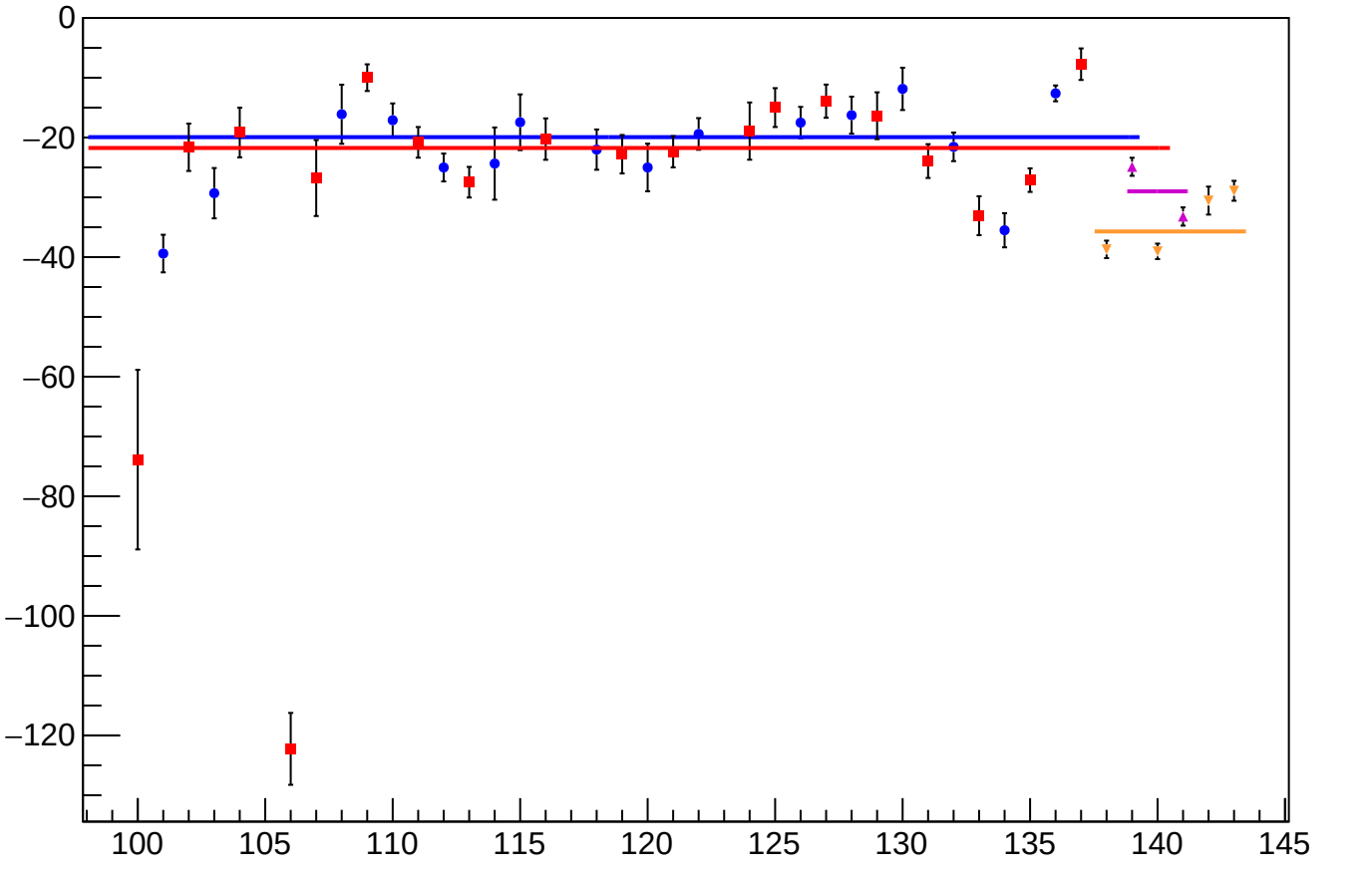
Left: 0.643+/-0.012 χ^2/NDF: 11.6/5

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.527+/-0.014 χ^2/NDF:536.7/17

Out: 0.508+/-0.013 χ^2/NDF:939.5/22

All: 0.516+/-0.010 χ^2/NDF: 1477.2/40



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.708+/-0.789 χ^2/NDF:32.3/3

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -29.001+/-1.074 χ^2/NDF:15.0/1

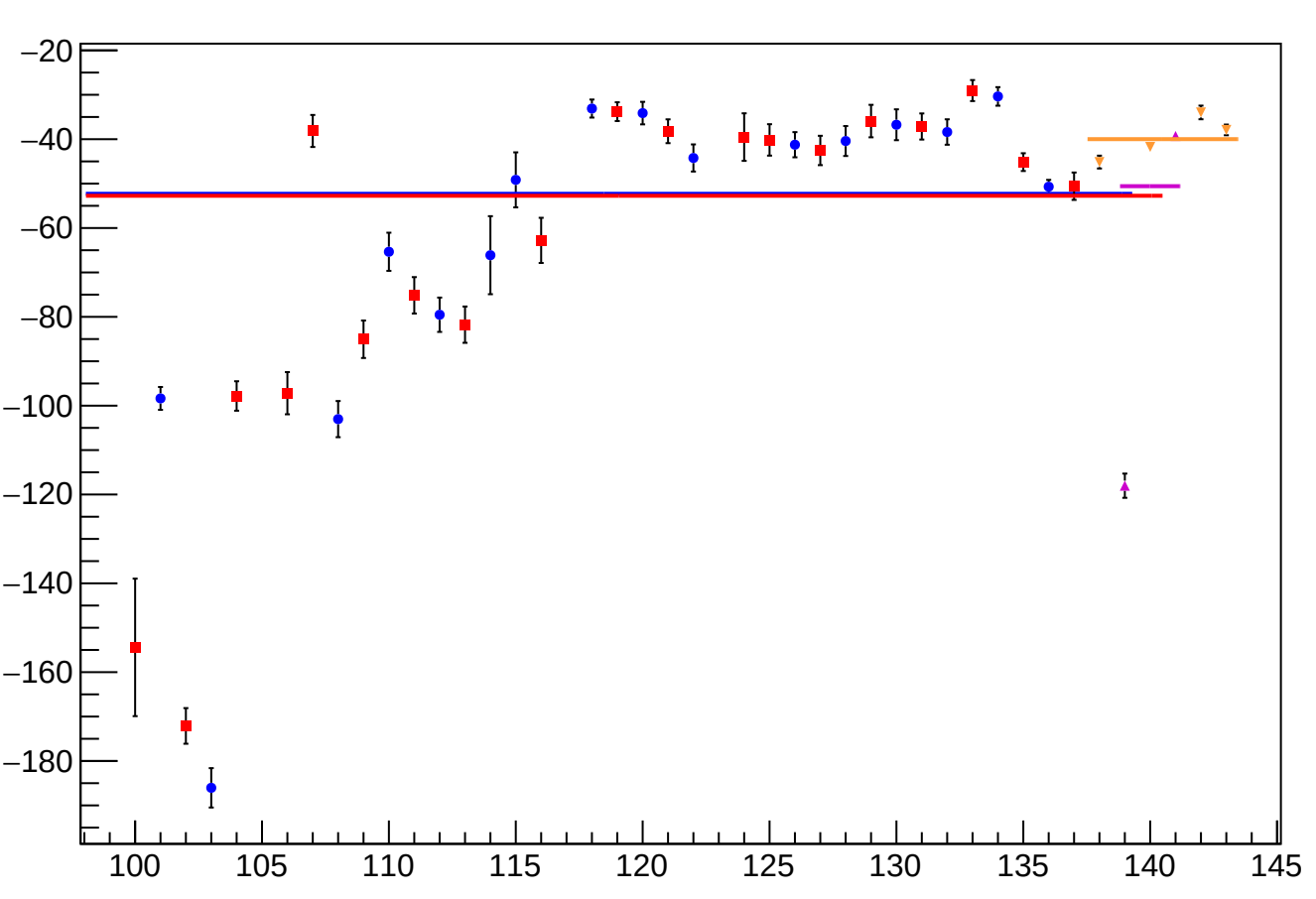
Left: -33.357+/-0.636 χ^2/NDF: 72.7/5

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -22.611+/-0.583 χ^2/NDF:185.8/17

Out: -28.031+/-0.529 χ^2/NDF:593.0/22

All: -25.584+/-0.392 χ^2/NDF: 826.2/40



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.988+/-0.638 χ^2/NDF:33.7/3

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -50.577+/-1.033 χ^2/NDF:714.4/1

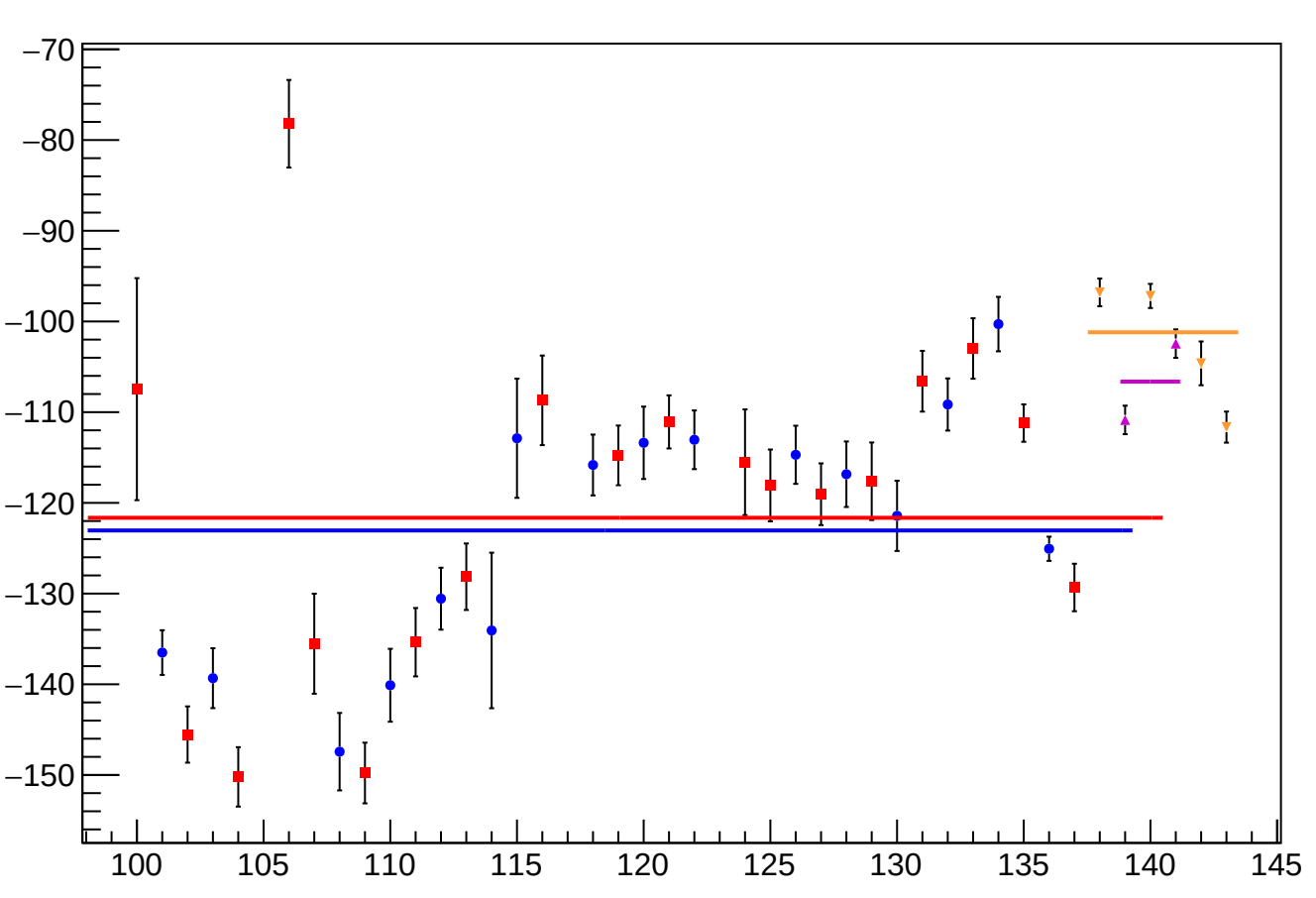
Left: -42.913+/-0.543 χ^2/NDF: 824.1/5

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -51.747+/-0.584 χ^2/NDF:2494.4/17

Out: -45.356+/-0.486 χ^2/NDF:1864.3/22

All: -47.968+/-0.373 χ^2/NDF: 4429.6/40



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.193+/-0.815 χ^2/NDF:56.6/3

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -106.633+/-1.110 χ^2/NDF:14.4/1

Left: -103.098+/-0.657 χ^2/NDF: 86.6/5

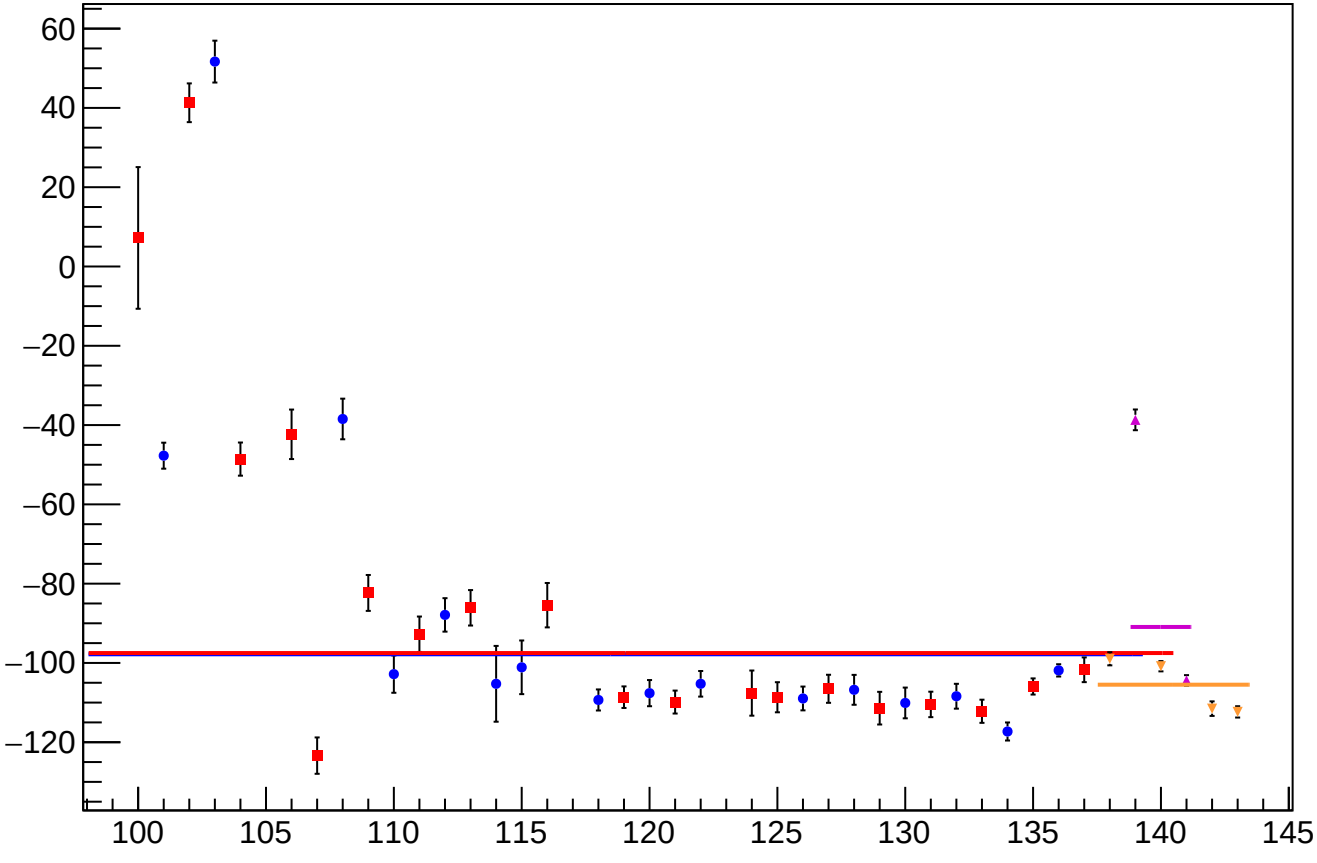
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -117.898+/-0.621 χ^2/NDF:391.1/17

Out: -111.591+/-0.571 χ^2/NDF:801.5/22

All: -114.480+/-0.421 χ^2/NDF: 1248.4/40

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: -105.486+/-0.756 χ^2/NDF:62.5/3

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: -101.274+/-0.637 χ^2/NDF: 672.0/5

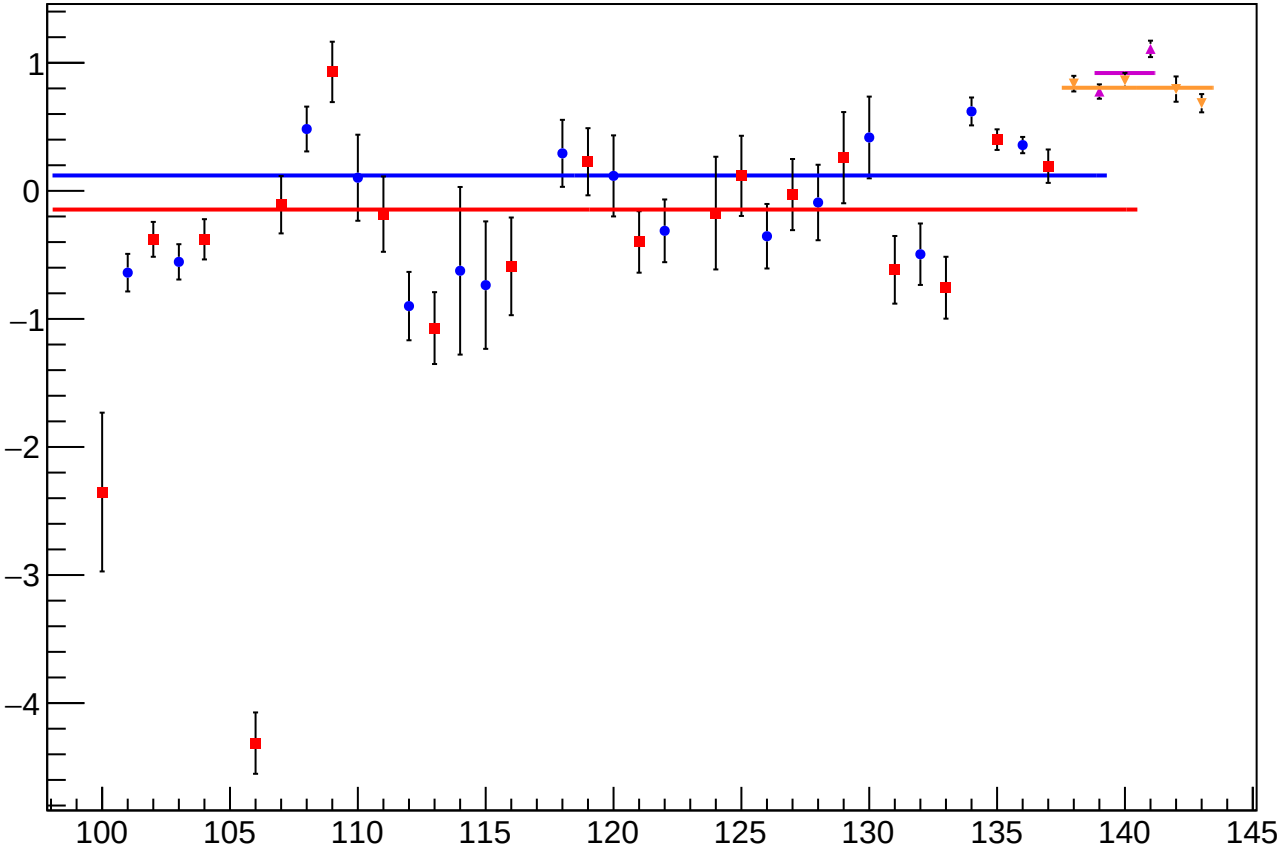
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -95.681+/-0.659 χ^2/NDF:1856.2/17

Out: -101.928+/-0.563 χ^2/NDF:1348.7/22

All: -99.295+/-0.428 χ^2/NDF: 3256.9/40

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.805+/-0.034 χ^2/NDF:4.1/3

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: 0.851+/-0.027 χ^2/NDF: 23.8/5

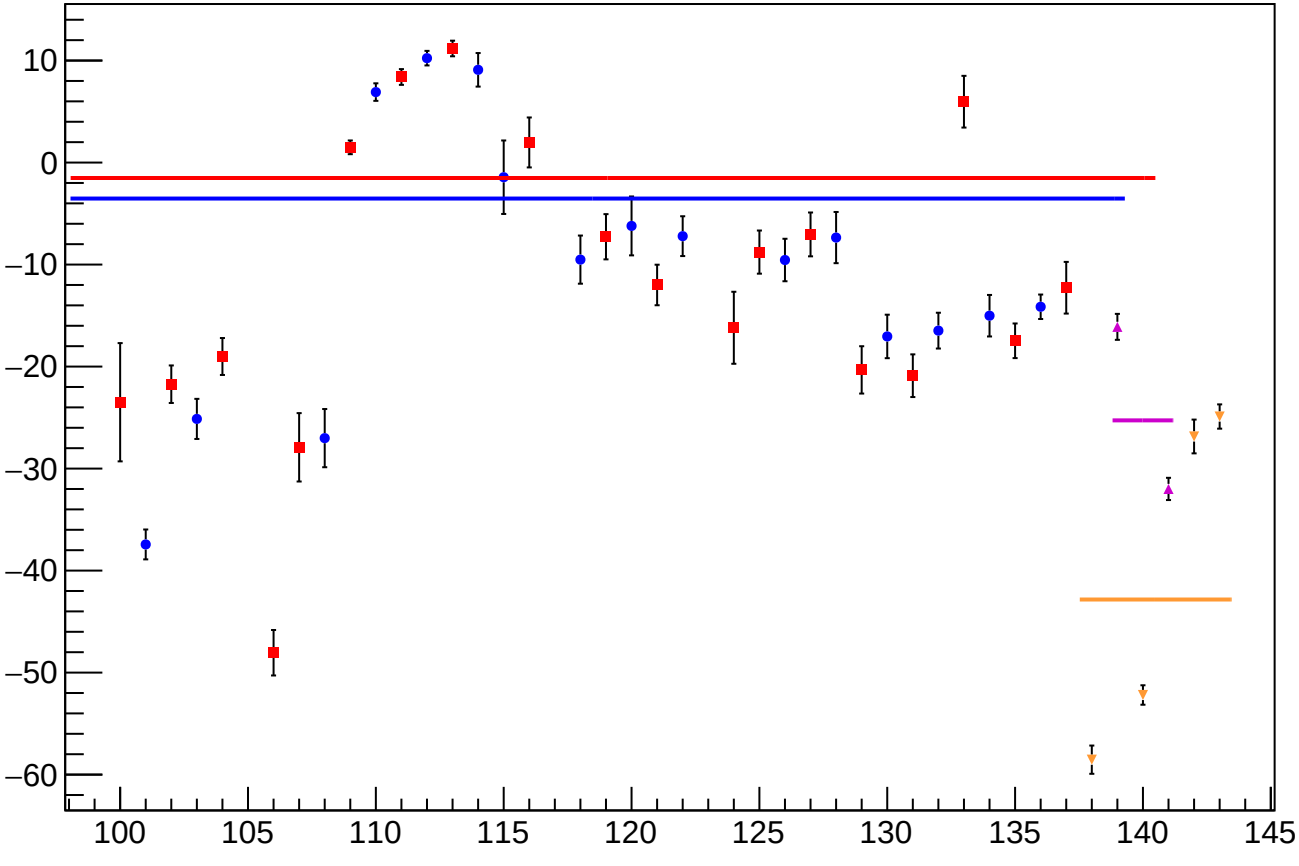
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.510+/-0.030 χ^2/NDF:322.9/17

Out: 0.456+/-0.027 χ^2/NDF:709.1/22

All: 0.481+/-0.020 χ^2/NDF: 1033.9/40

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: -42.835+/-0.610 χ^2/NDF:545.1/3

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: -36.660+/-0.491 χ^2/NDF: 926.9/5

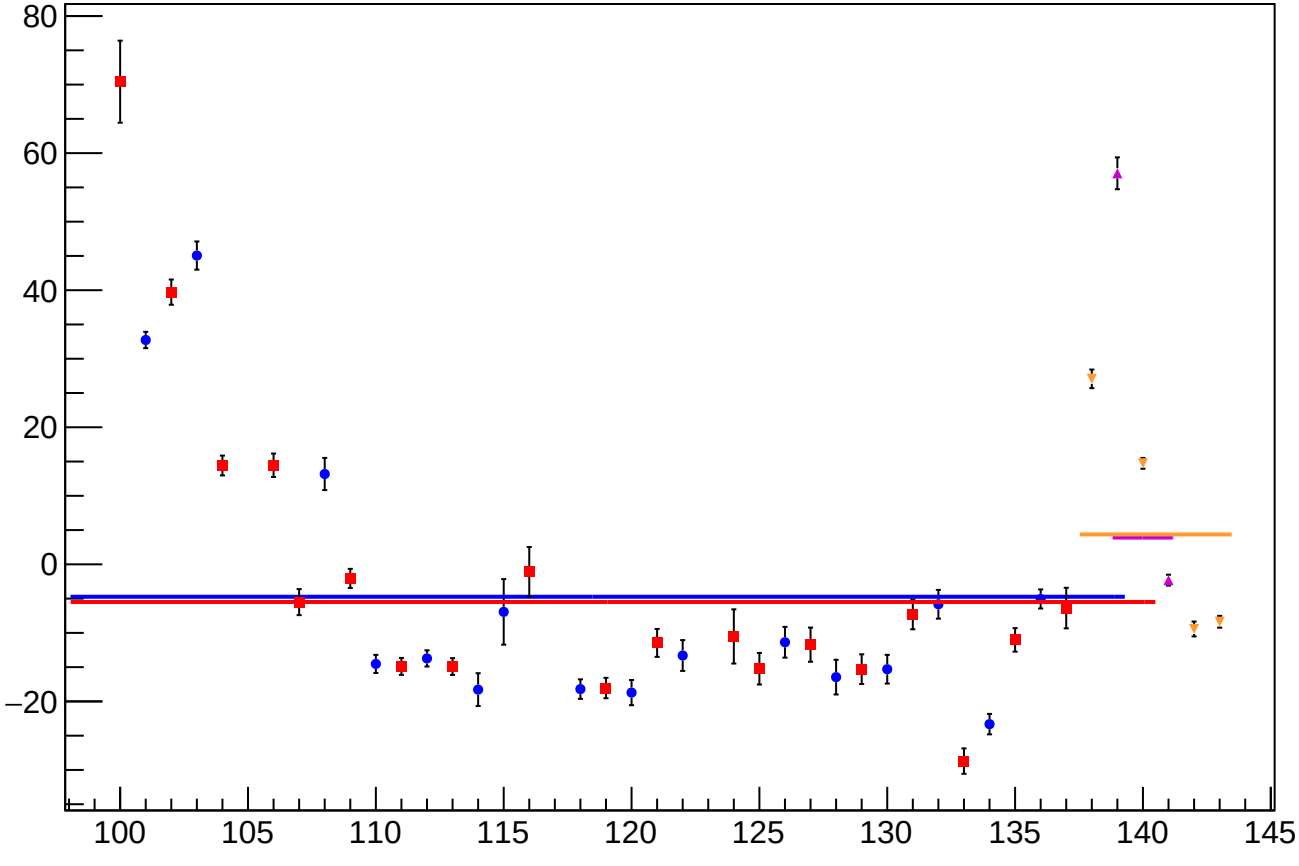
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -7.260+/-0.343 χ^2/NDF:2190.8/17

Out: -11.251+/-0.296 χ^2/NDF:5582.6/22

All: -9.547+/-0.224 χ^2/NDF: 7851.0/40

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: 4.364+/-0.480 χ^2/NDF:832.4/3

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: 3.907+/-0.752 χ^2/NDF:584.1/1

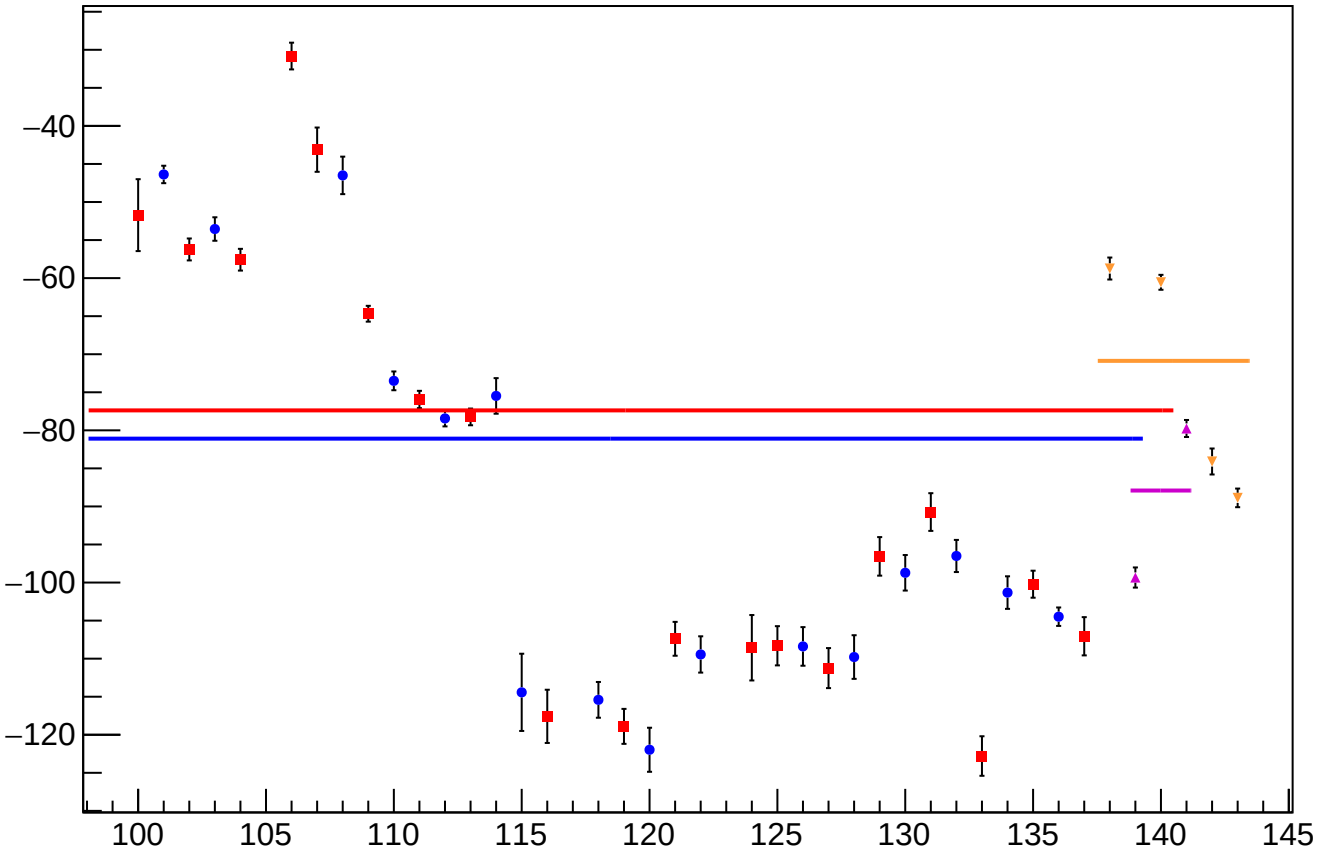
Left: 4.232+/-0.405 χ^2/NDF: 1416.7/5

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -2.595+/-0.374 χ^2/NDF:2831.4/17

Out: -1.192+/-0.317 χ^2/NDF:2578.7/22

All: -1.779+/-0.242 χ^2/NDF: 5418.2/40



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -70.872+/-0.629 χ^2/NDF:457.5/3

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: -76.859+/-0.506 χ^2/NDF: 843.2/5

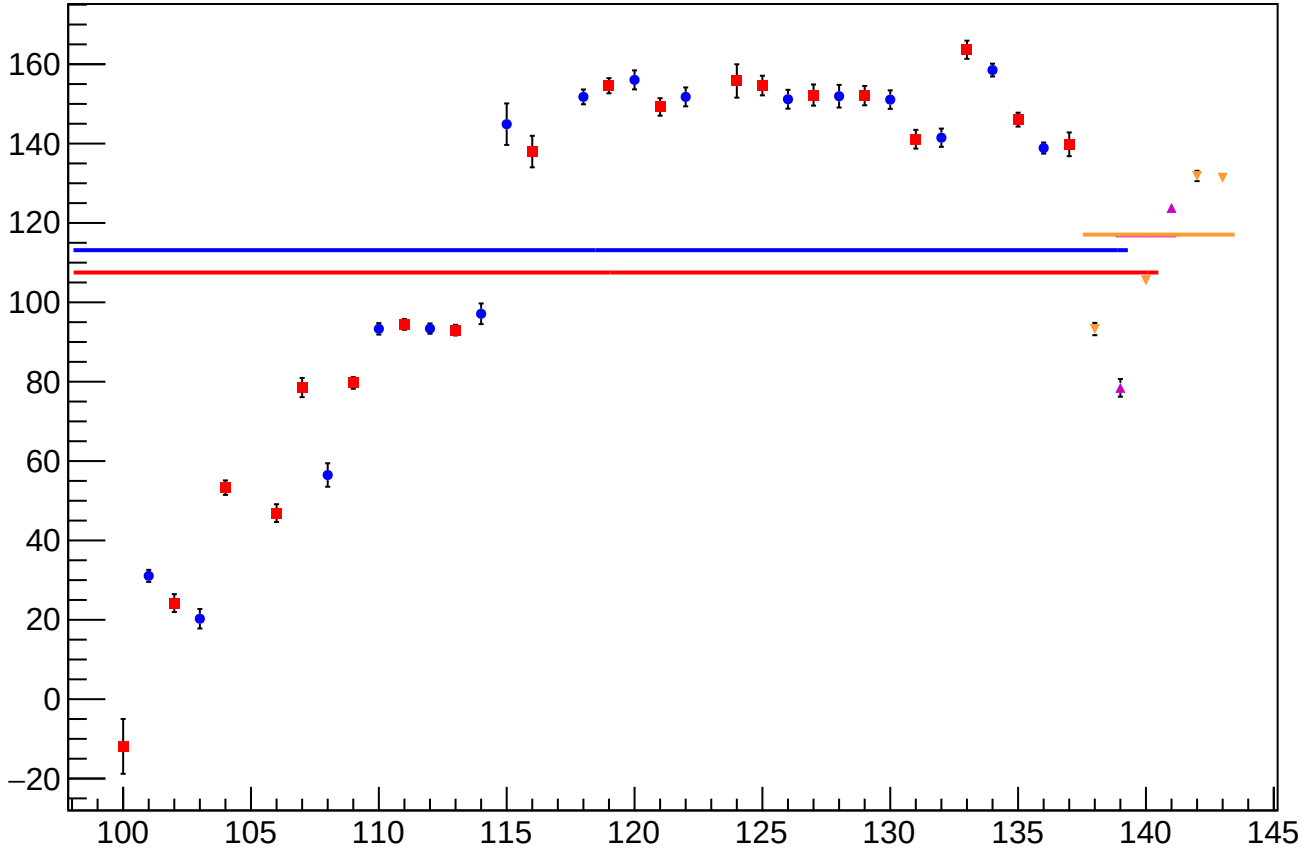
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -82.513+/-0.390 χ^2/NDF:3048.4/17

Out: -75.393+/-0.347 χ^2/NDF:3661.5/22

All: -78.543+/-0.259 χ^2/NDF: 6895.8/40

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: 117.060+/-0.570 χ^2/NDF:707.7/3

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 116.886+/-0.871 χ^2/NDF:350.0/1

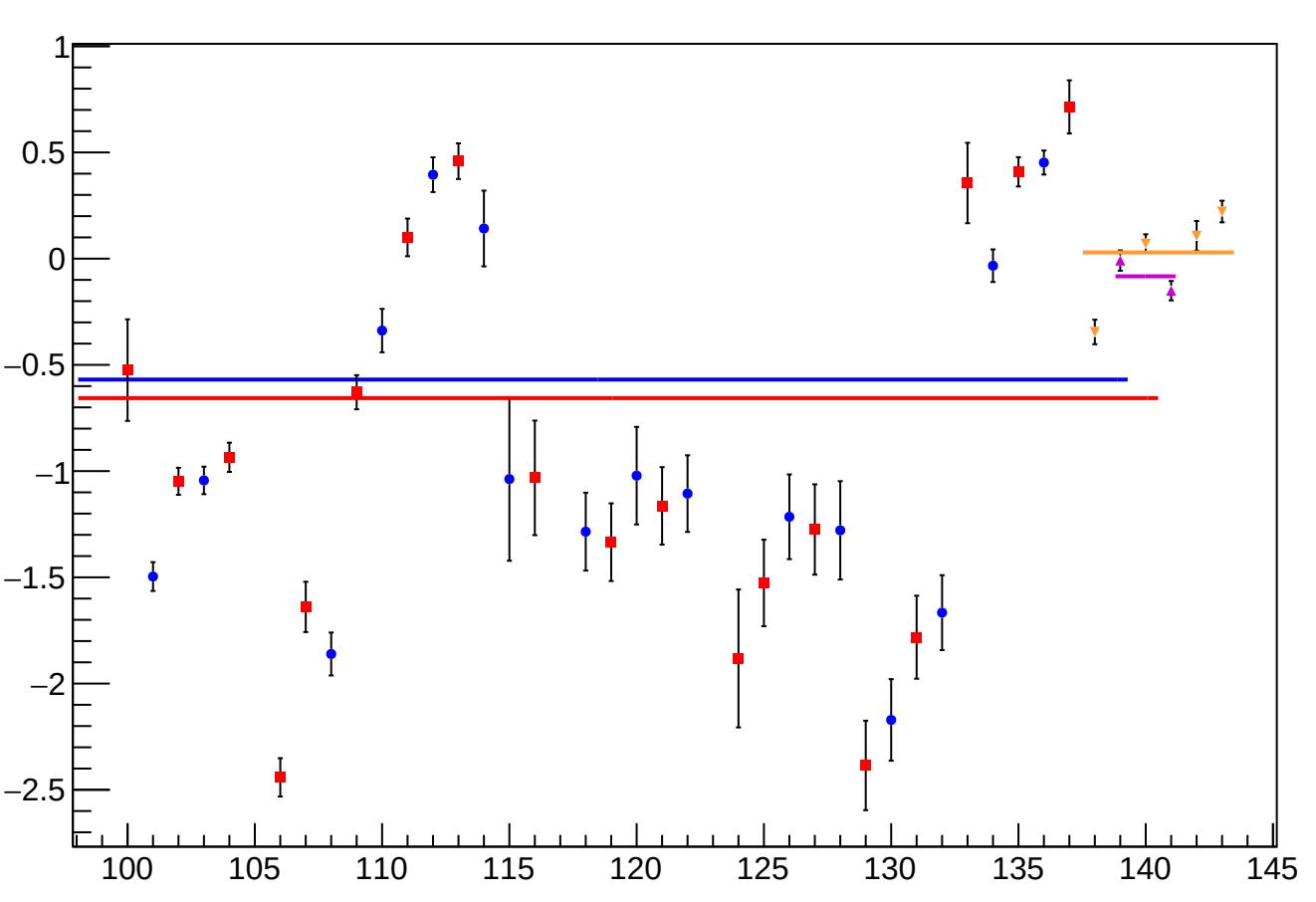
Left: 117.008+/-0.477 χ^2/NDF: 1057.8/5

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 114.040+/-0.426 χ^2/NDF:8568.2/17

Out: 111.468+/-0.367 χ^2/NDF:8415.9/22

All: 112.562+/-0.278 χ^2/NDF: 17005.0/40



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.029+/-0.027 χ^2/NDF:58.5/3

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.083+/-0.033 χ^2/NDF:4.6/1

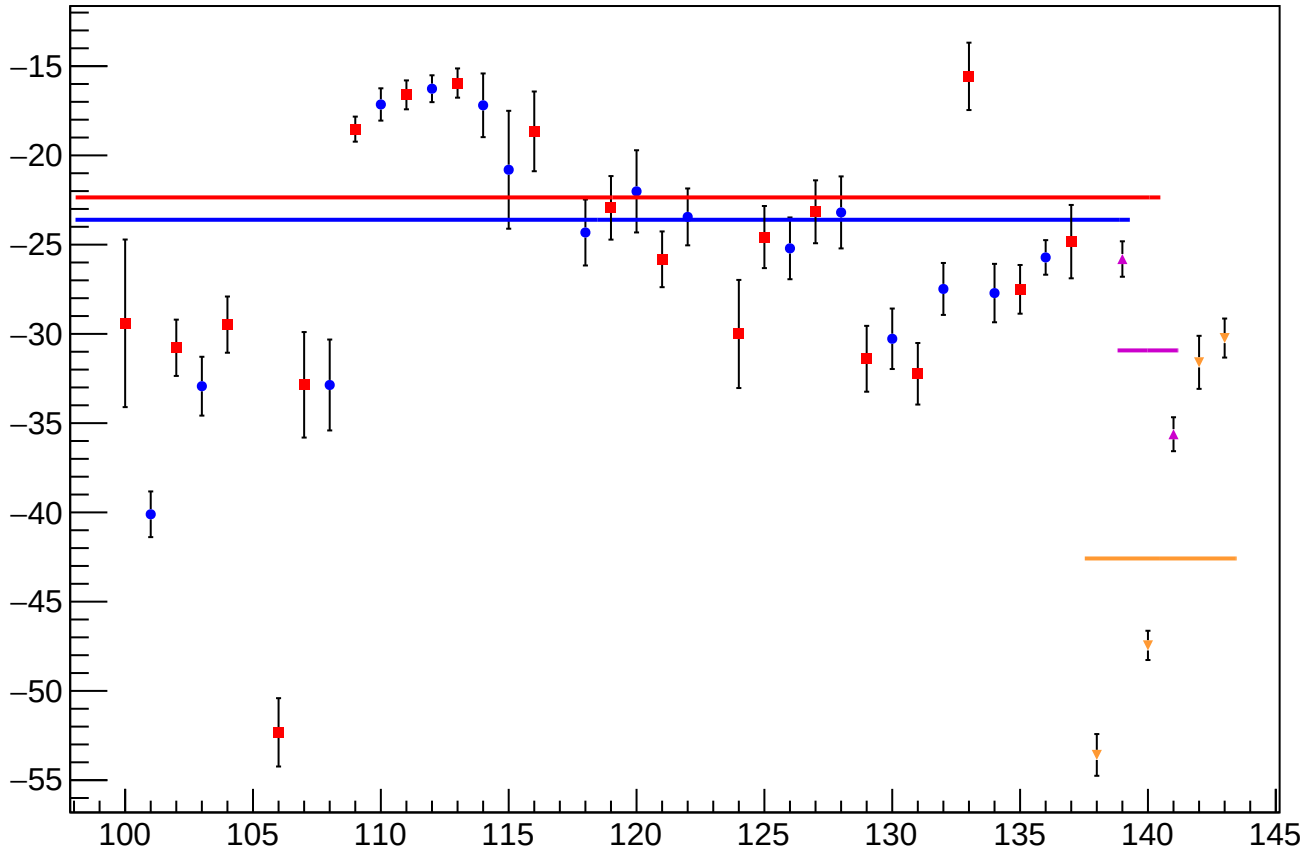
Left: -0.015+/-0.021 χ^2/NDF: 70.1/5

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.385+/-0.020 χ^2/NDF:1236.5/17

Out: -0.331+/-0.018 χ^2/NDF:1724.6/22

All: -0.355+/-0.014 χ^2/NDF: 2965.0/40



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -42.581+/-0.534 χ^2/NDF:306.1/3

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -30.926+/-0.687 χ^2/NDF:51.0/1

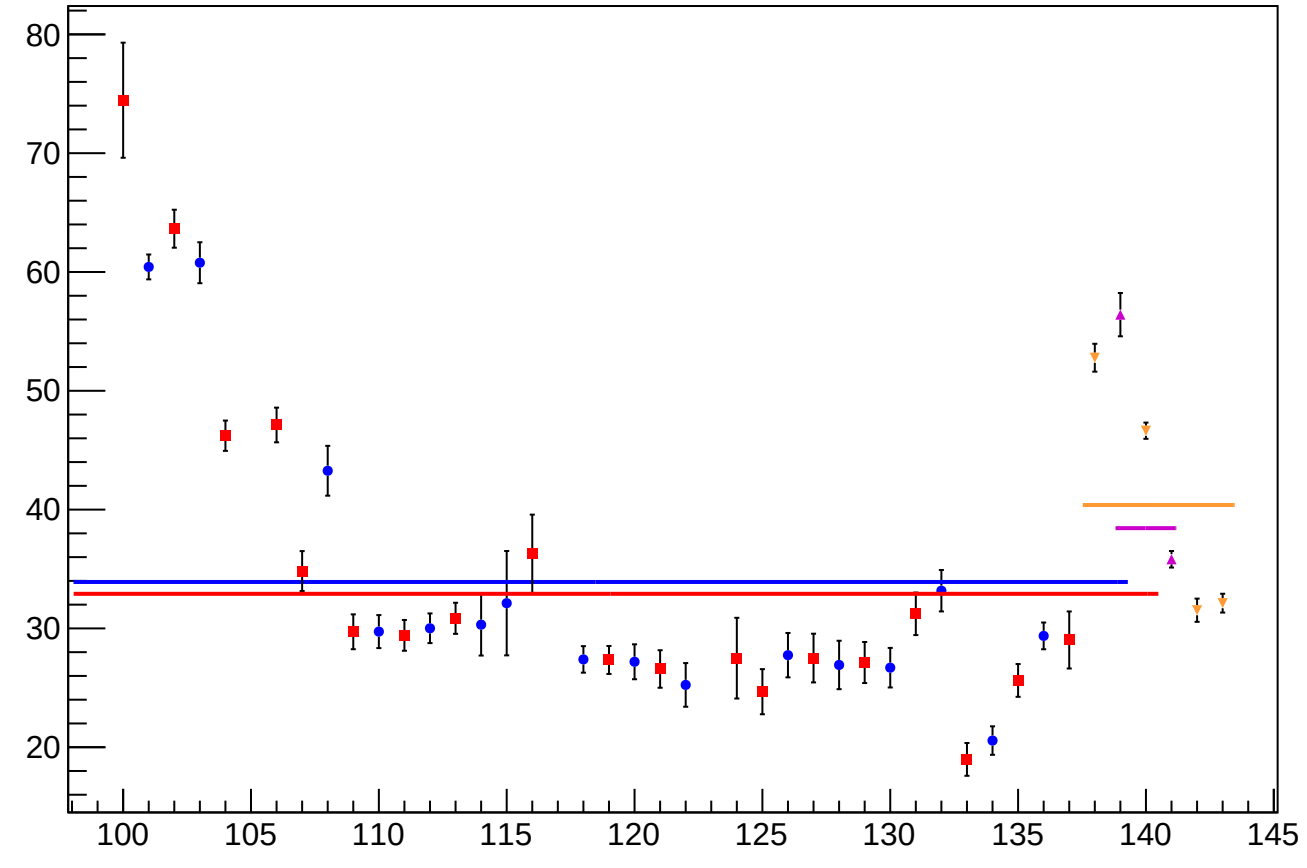
Left: -38.193+/-0.421 χ^2/NDF: 536.6/5

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.104+/-0.311 χ^2/NDF:547.7/17

Out: -27.746+/-0.276 χ^2/NDF:1911.2/22

All: -26.582+/-0.206 χ^2/NDF: 2499.4/40



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 40.386+/-0.426 χ^2/NDF:386.6/3

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 38.439+/-0.650 χ^2/NDF:111.4/1

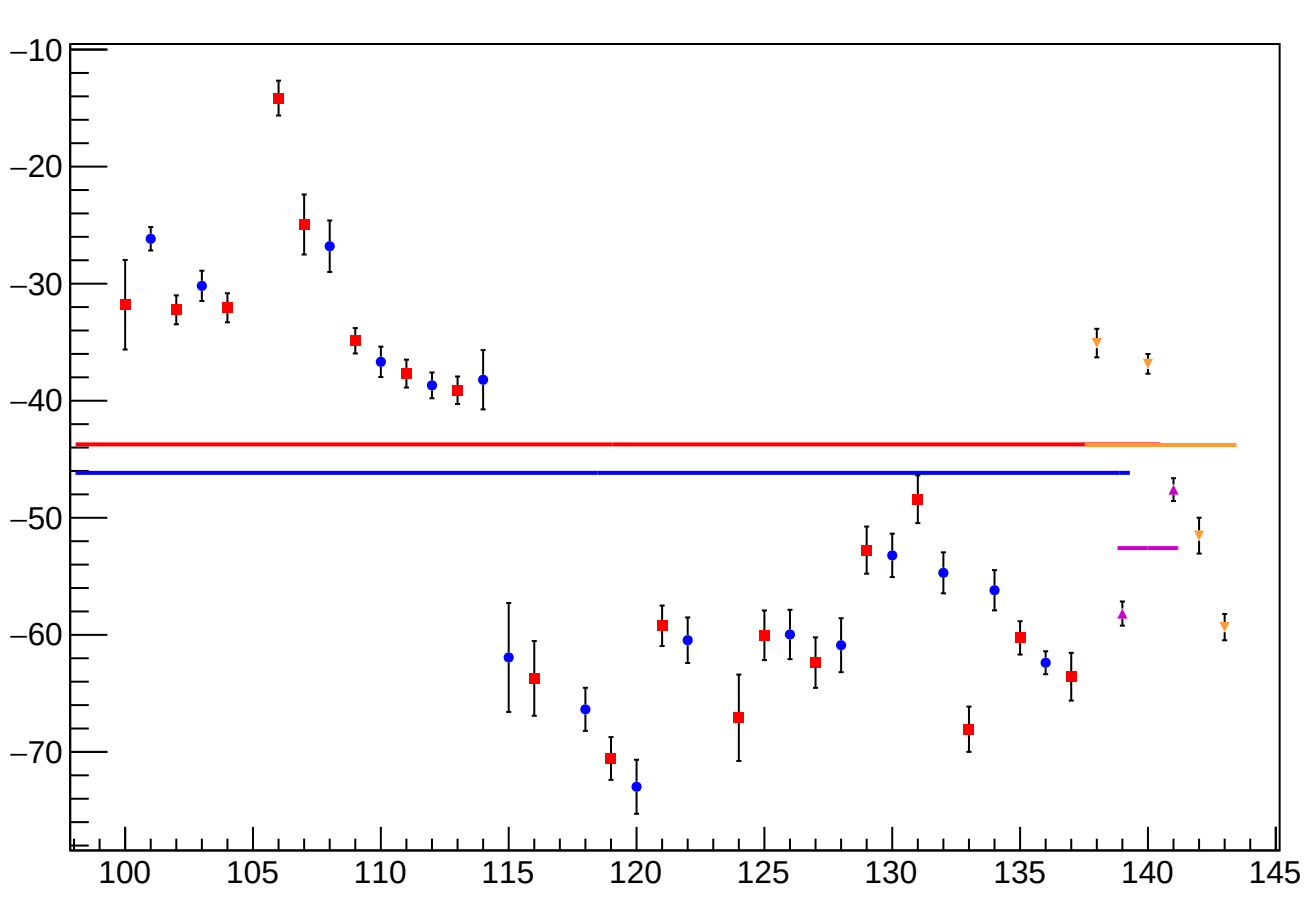
Left: 39.802+/-0.356 χ^2/NDF: 504.3/5

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 35.042+/-0.325 χ^2/NDF:1332.3/17

Out: 36.153+/-0.280 χ^2/NDF:1436.1/22

All: 35.679+/-0.212 χ^2/NDF: 2775.1/40



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -43.779+/-0.551 χ^2/NDF:335.5/3

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -52.590+/-0.709 χ^2/NDF:55.6/1

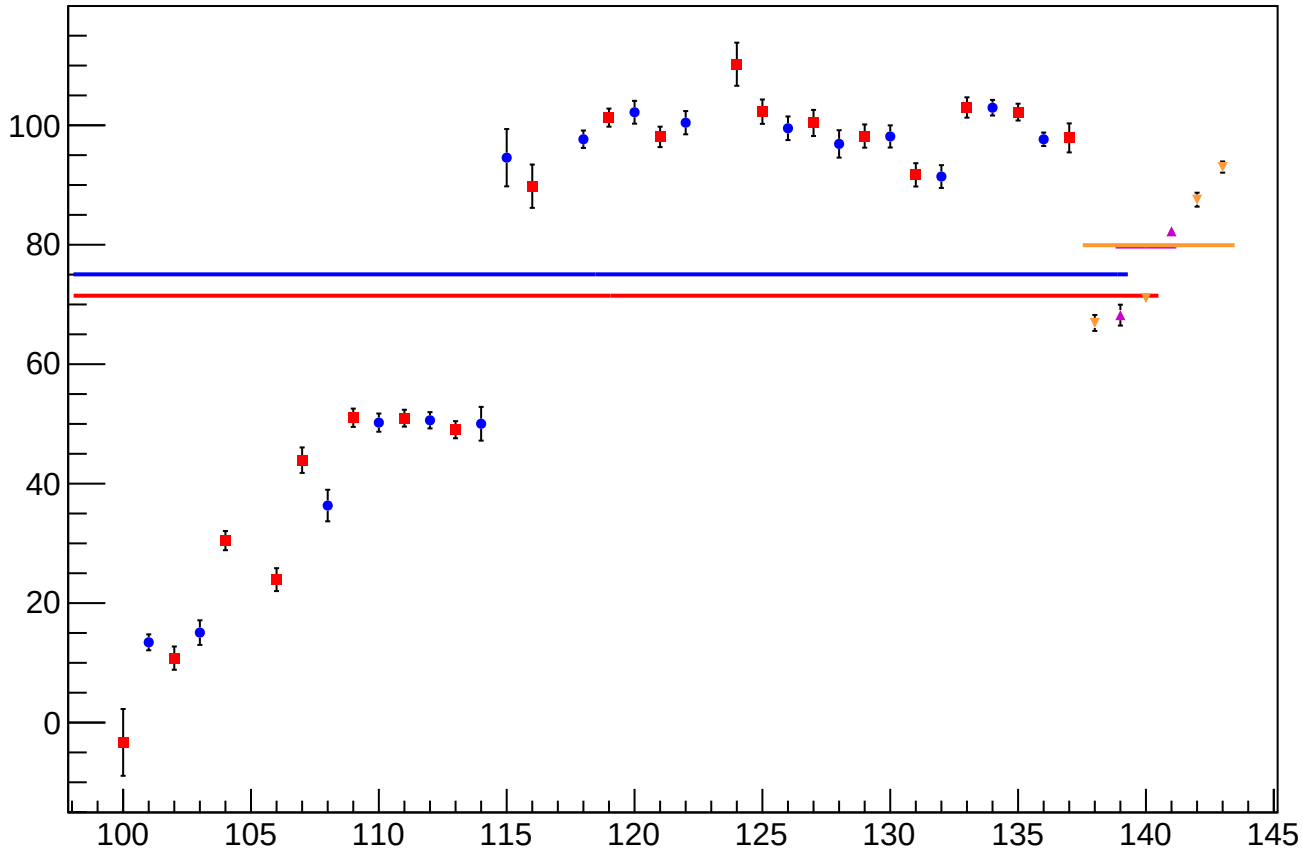
Left: -47.094+/-0.435 χ^2/NDF: 487.4/5

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.652+/-0.342 χ^2/NDF:1608.3/17

Out: -43.746+/-0.312 χ^2/NDF:1998.9/22

All: -45.522+/-0.230 χ^2/NDF: 3678.5/40



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.925+/-0.505 χ^2/NDF:449.8/3

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 79.691+/-0.748 χ^2/NDF:52.6/1

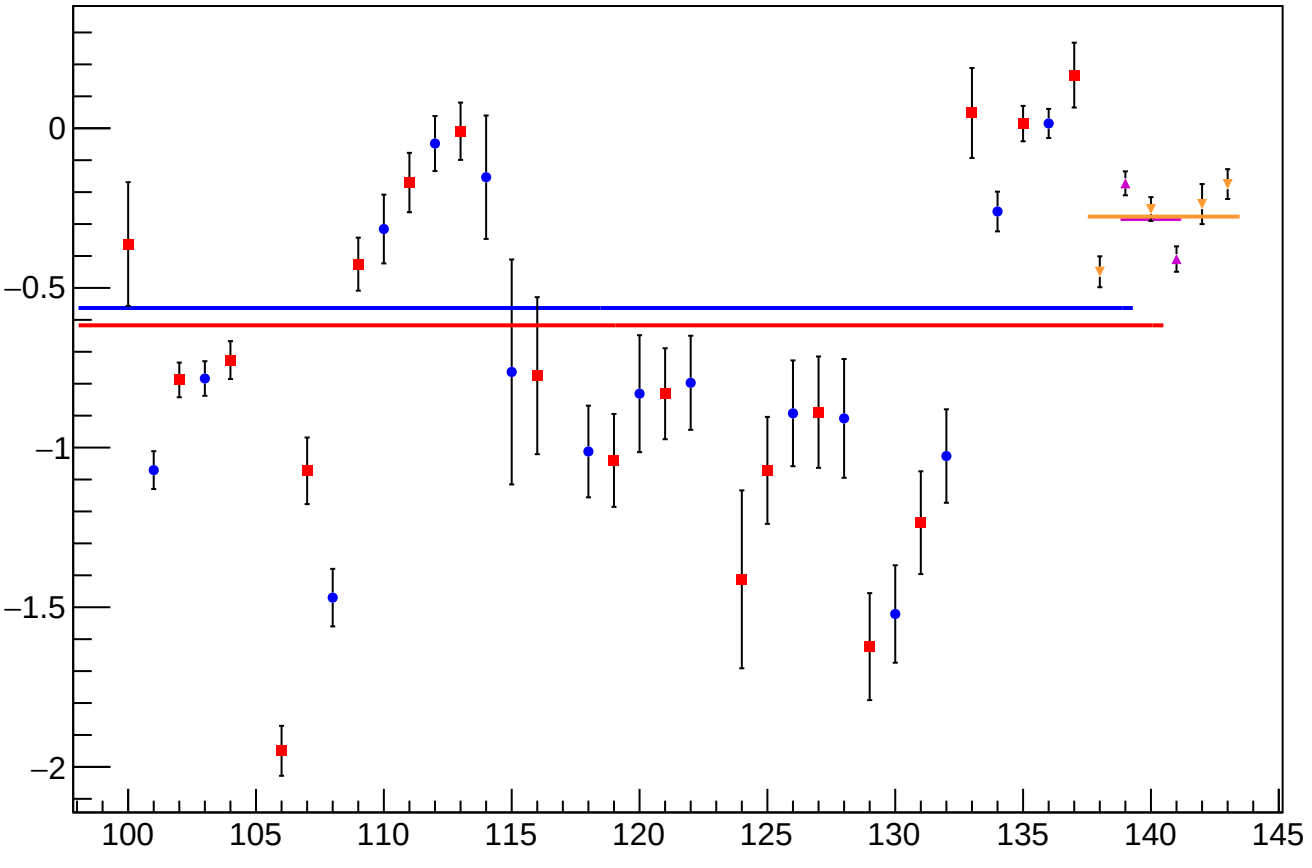
Left: 79.852+/-0.418 χ^2/NDF: 502.5/5

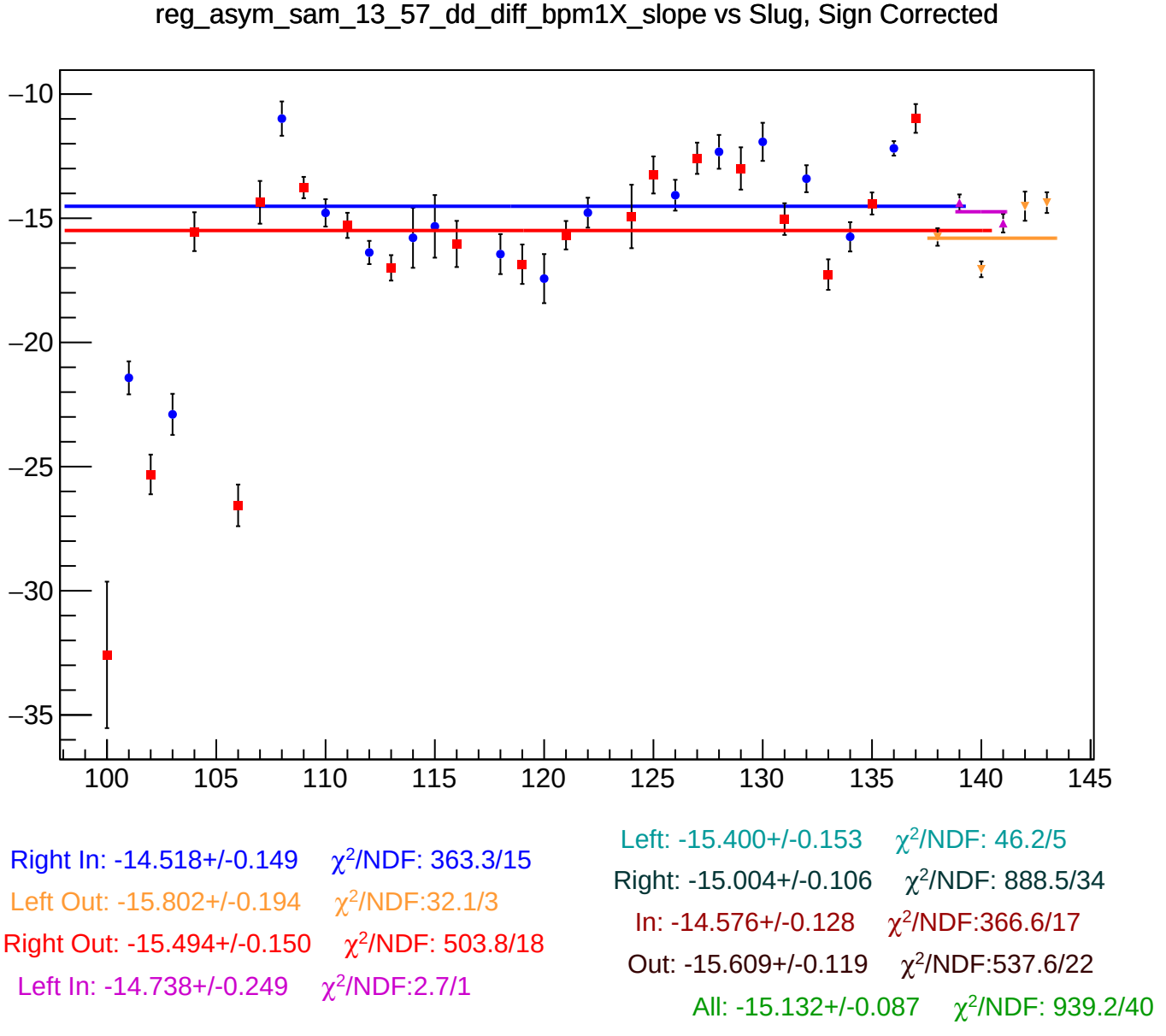
Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

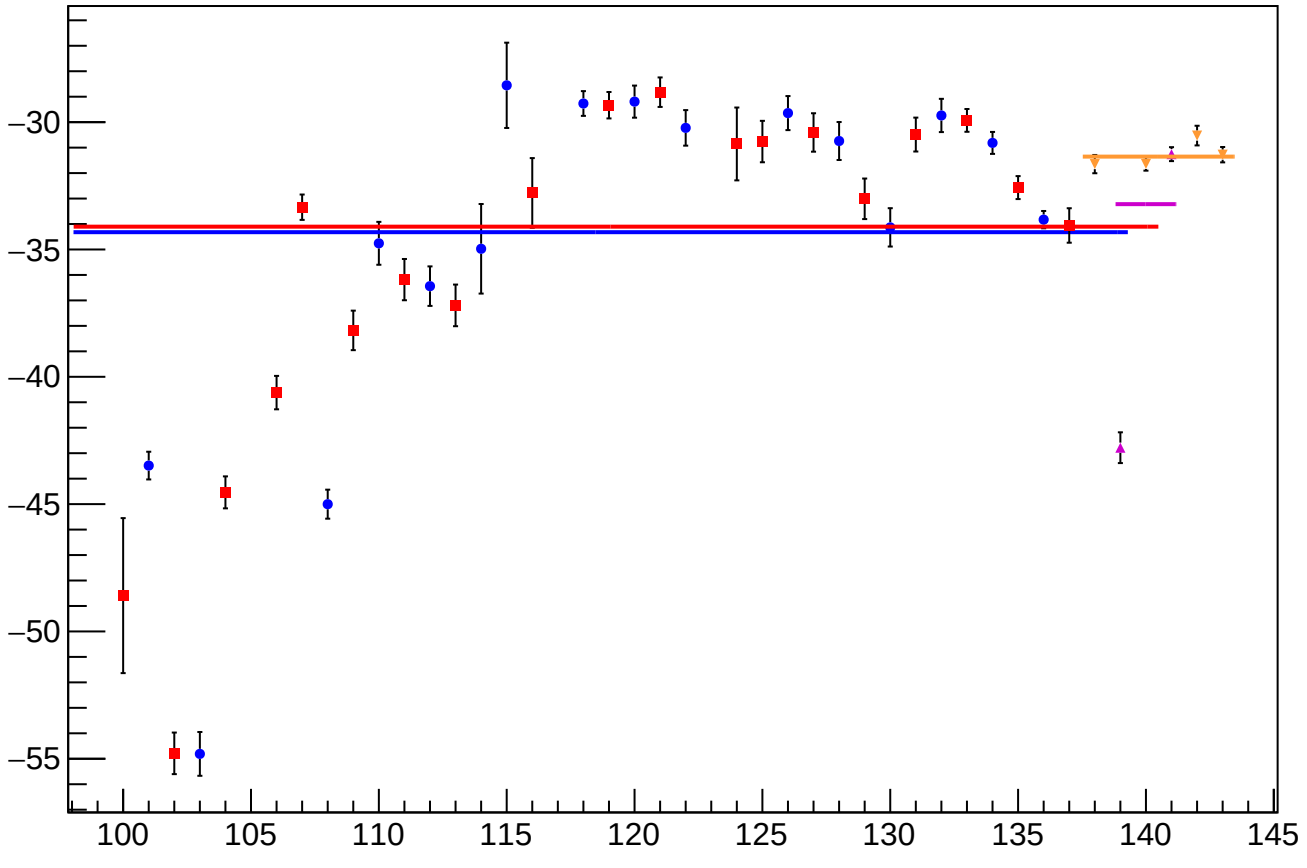
In: 76.187+/-0.371 χ^2/NDF:5910.0/17

Out: 74.982+/-0.325 χ^2/NDF:6242.1/22

All: 75.506+/-0.245 χ^2/NDF: 12158.0/40


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
105
110
115
120
125
130
135
140
145
Right In: -0.563+/-0.022 χ²/NDF: 493.0/15
Left Out: -0.277+/-0.023 χ²/NDF:18.3/3
Right Out: -0.617+/-0.022 χ²/NDF: 690.0/18
Left In: -0.284+/-0.027 χ²/NDF:18.8/1
Left: -0.280+/-0.018 χ²/NDF: 37.1/5
Right: -0.590+/-0.016 χ²/NDF: 1186.0/34
In: -0.452+/-0.017 χ²/NDF:574.6/17
Out: -0.454+/-0.016 χ²/NDF:820.9/22
All: -0.453+/-0.012 χ²/NDF: 1395.5/40


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
145
Right In: -14.518+/-0.149 χ2/NDF: 363.3/15
Left Out: -15.802+/-0.194 χ2/NDF:32.1/3
Right Out: -15.494+/-0.150 χ2/NDF: 503.8/18
Left In: -14.738+/-0.249 χ2/NDF:2.7/1
Left: -15.400+/-0.153 χ2/NDF: 46.2/5
Right: -15.004+/-0.106 χ2/NDF: 888.5/34
In: -14.576+/-0.128 χ2/NDF:366.6/17
Out: -15.609+/-0.119 χ2/NDF:537.6/22
All: -15.132+/-0.087 χ2/NDF: 939.2/40



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.353+/-0.159 χ^2/NDF:6.5/3

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: -31.891+/-0.134 χ^2/NDF: 348.3/5

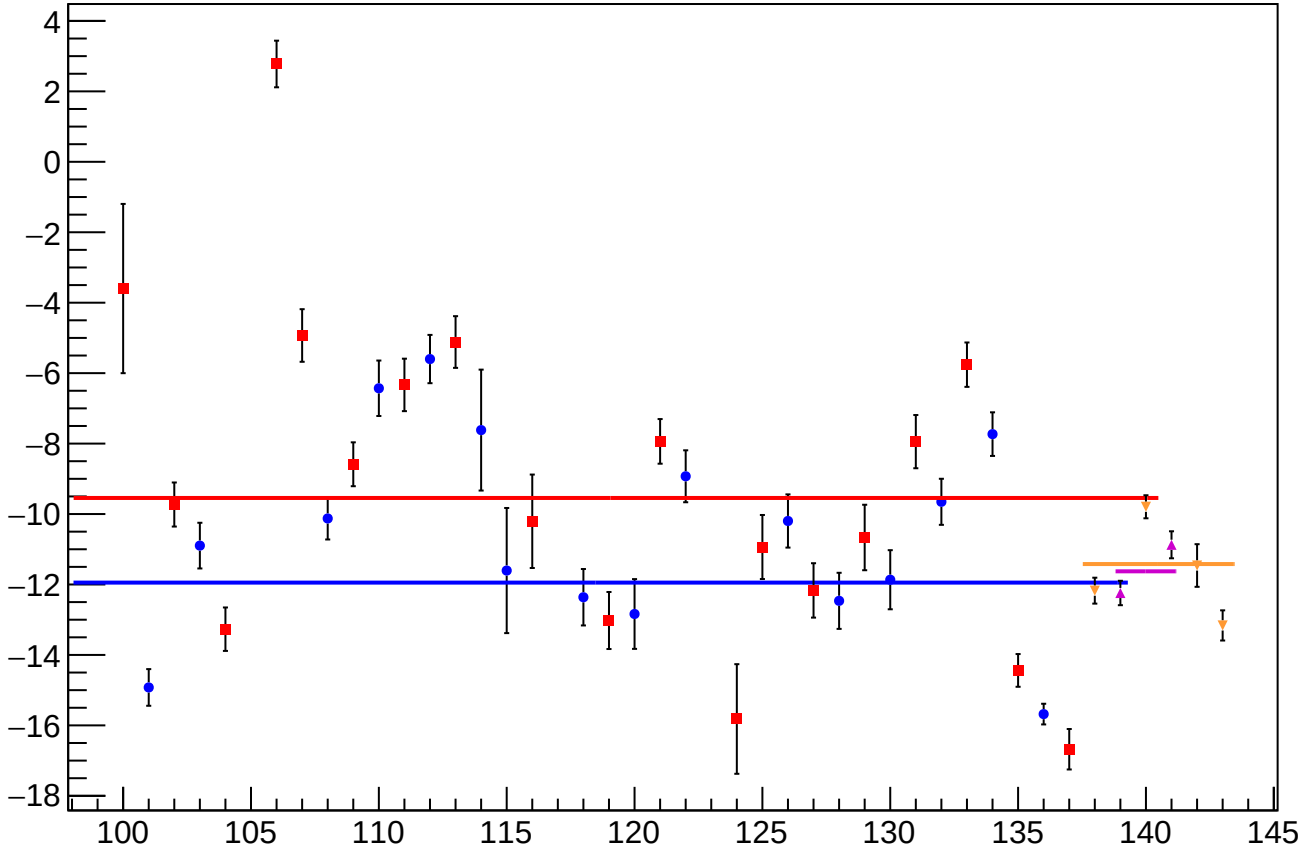
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -34.019+/-0.131 χ^2/NDF:1936.6/17

Out: -32.769+/-0.111 χ^2/NDF:1595.8/22

All: -33.291+/-0.084 χ^2/NDF: 3585.9/40

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: -11.420+/-0.200 χ^2/NDF:45.5/3

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -11.627+/-0.257 χ^2/NDF:7.0/1

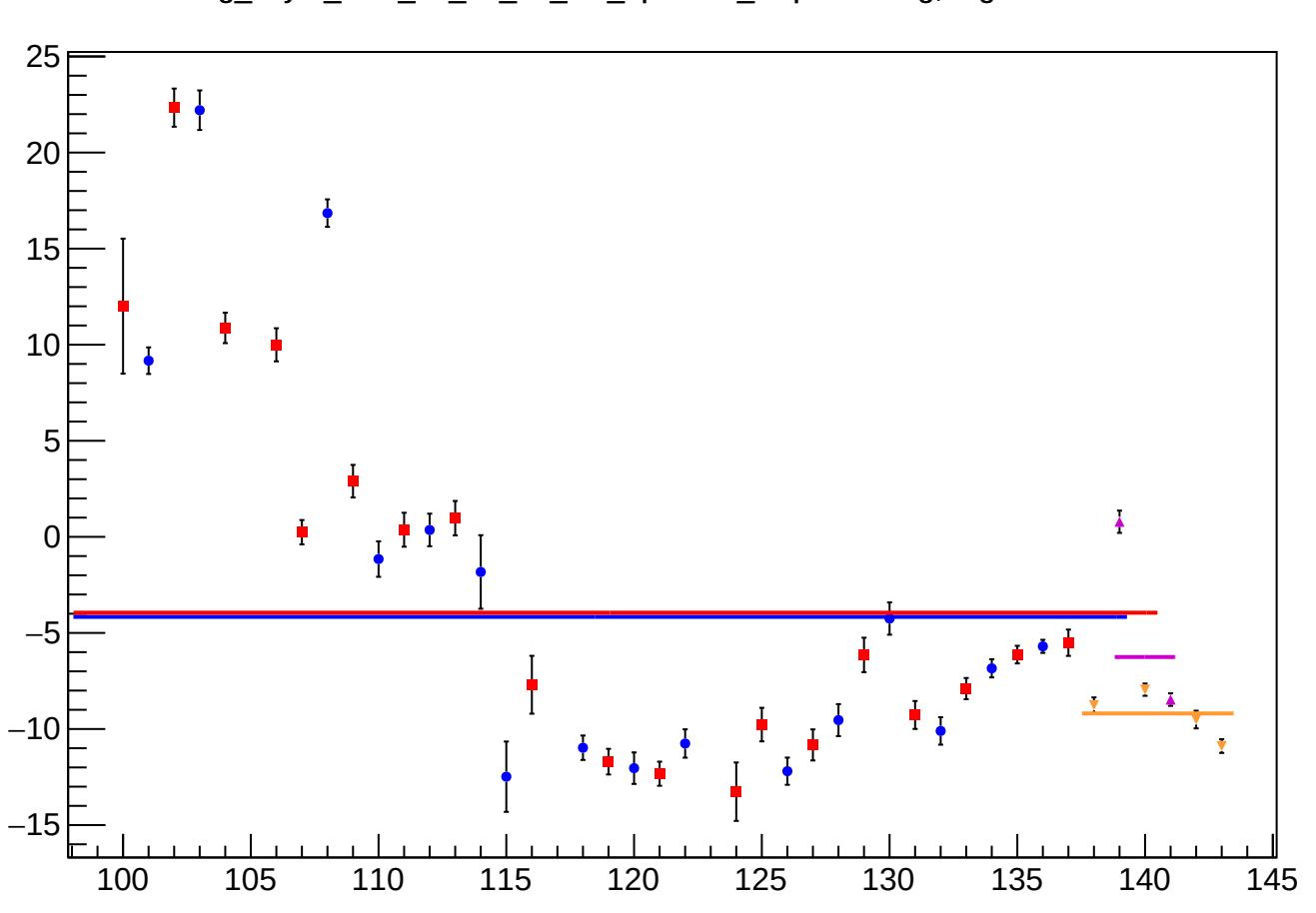
Left: -11.498+/-0.158 χ^2/NDF: 52.9/5

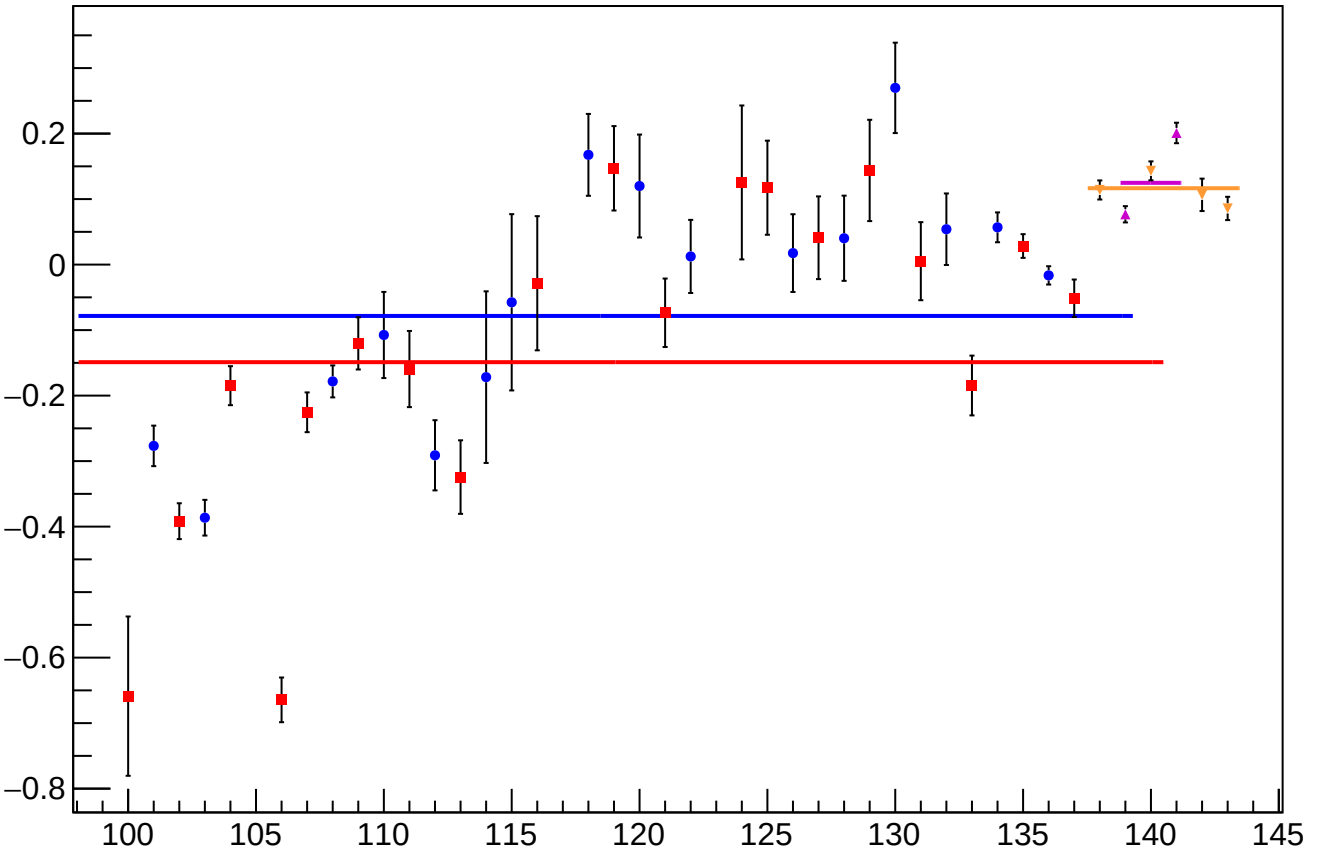
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -11.857+/-0.136 χ^2/NDF:438.1/17

Out: -10.303+/-0.127 χ^2/NDF:944.8/22

All: -11.030+/-0.093 χ^2/NDF: 1452.5/40


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
105
110
115
120
125
130
135
140
145
Right In: -4.163+/-0.172 χ²/NDF: 2525.0/15
Left Out: -9.192+/-0.187 χ²/NDF:39.4/3
Right Out: -3.947+/-0.176 χ²/NDF: 2110.2/18
Left In: -6.253+/-0.284 χ²/NDF:193.7/1
Left: -8.299+/-0.156 χ²/NDF: 307.8/5
Right: -4.057+/-0.123 χ²/NDF: 4636.0/34
In: -4.724+/-0.147 χ²/NDF:2758.4/17
Out: -6.405+/-0.128 χ²/NDF:2565.7/22
All: -5.679+/-0.097 χ²/NDF: 5398.3/40



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.117+/-0.008 χ^2/NDF:6.6/3

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.125+/-0.010 χ^2/NDF:38.6/1

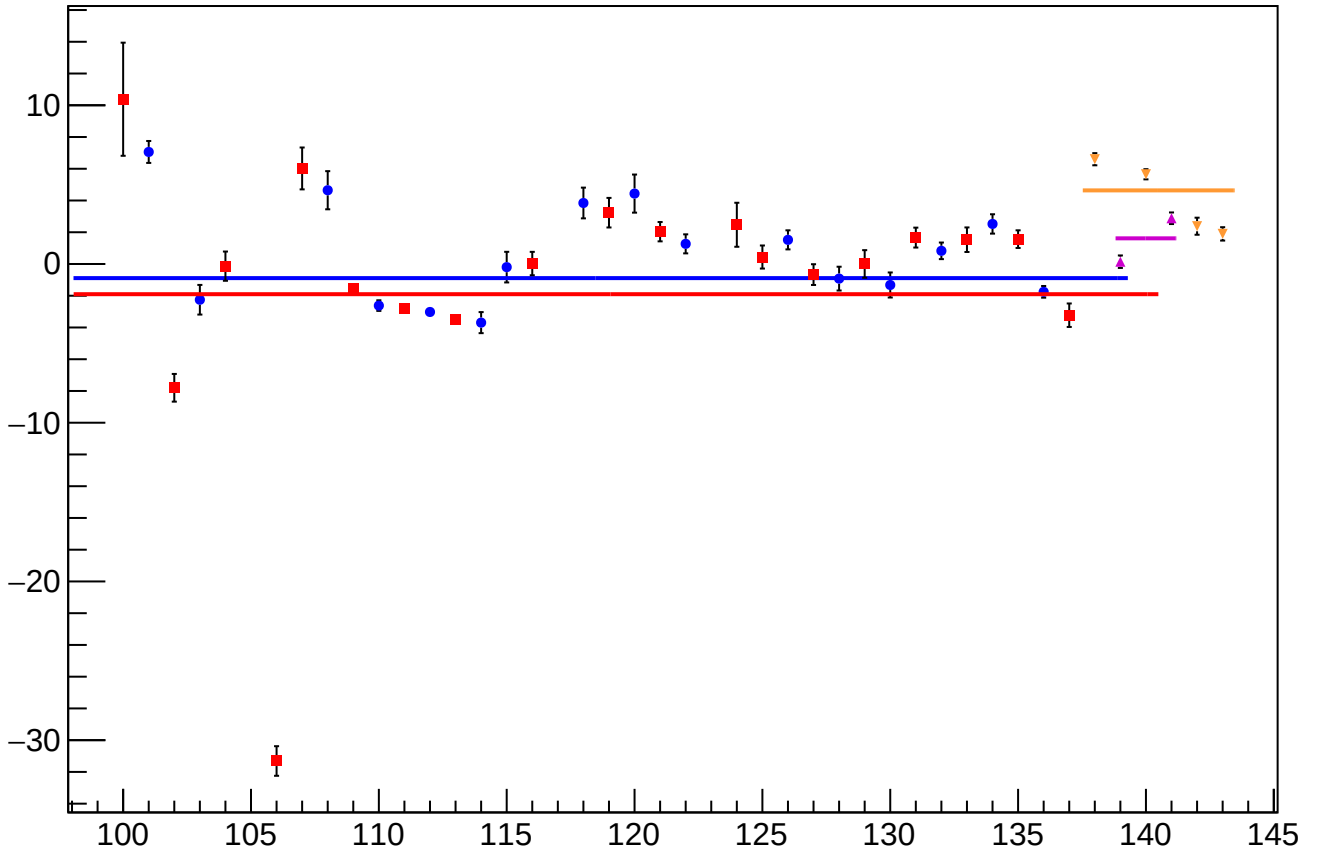
Left: 0.120+/-0.006 χ^2/NDF: 45.6/5

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.010+/-0.006 χ^2/NDF:603.0/17

Out: -0.005+/-0.006 χ^2/NDF:994.6/22

All: 0.002+/-0.004 χ^2/NDF: 1600.6/40



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 4.637+/-0.198 χ^2/NDF:96.3/3

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.616+/-0.268 χ^2/NDF:26.0/1

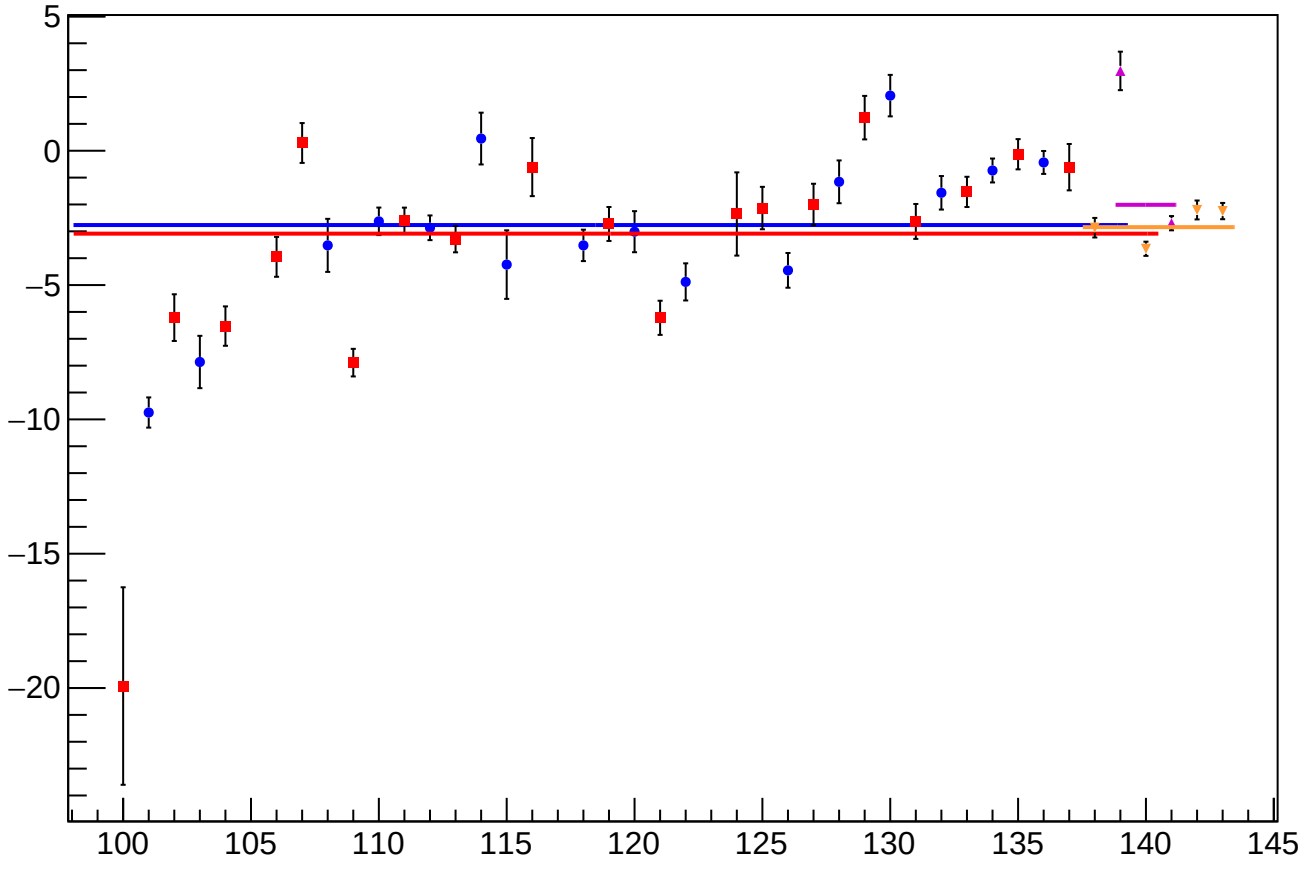
Left: 3.572+/-0.159 χ^2/NDF: 204.7/5

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.372+/-0.122 χ^2/NDF:475.8/17

Out: 0.039+/-0.108 χ^2/NDF:2198.7/22

All: -0.141+/-0.081 χ^2/NDF: 2680.9/40



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.844+/-0.157 χ^2/NDF:16.5/3

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -2.013+/-0.249 χ^2/NDF:55.0/1

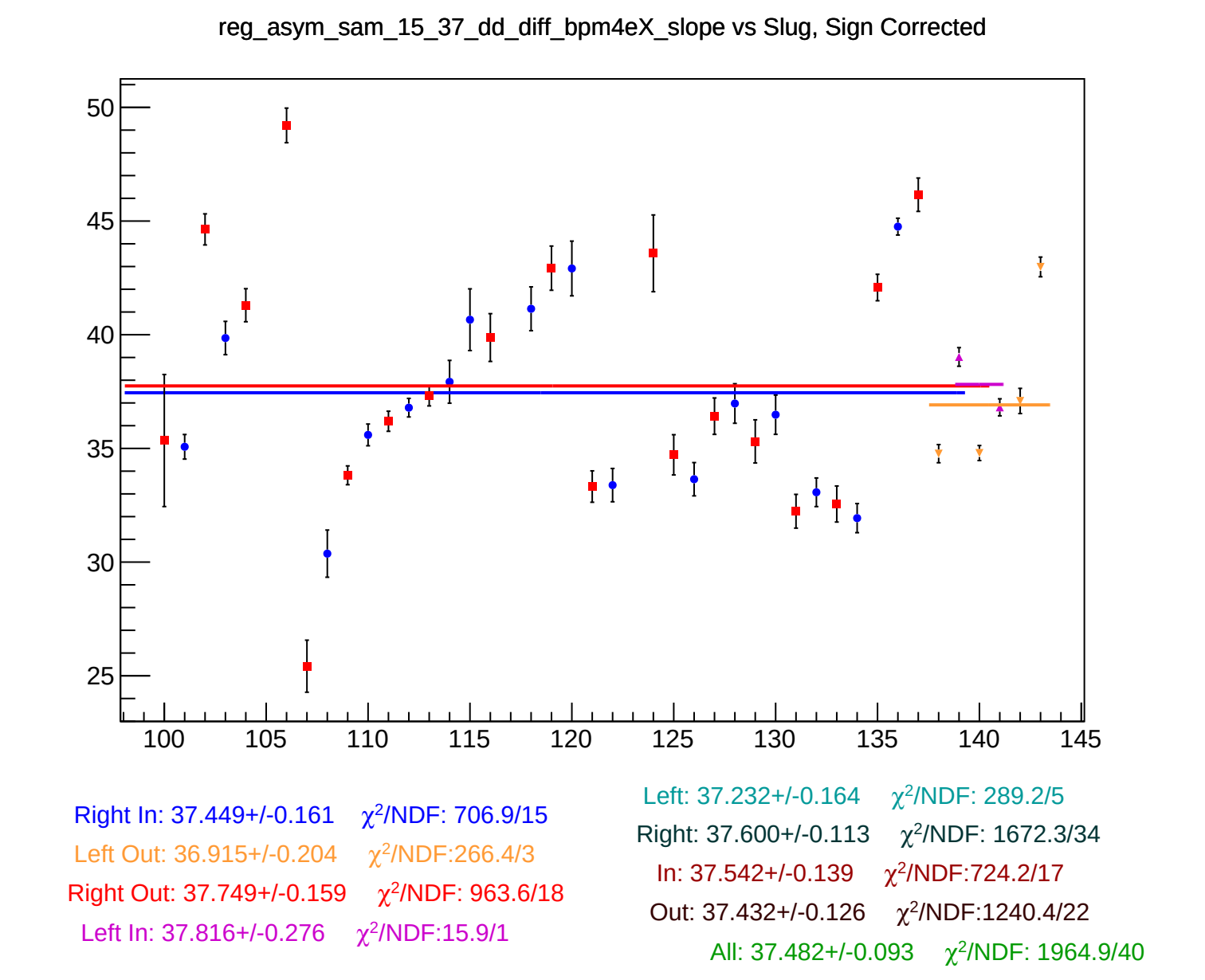
Left: -2.608+/-0.133 χ^2/NDF: 79.5/5

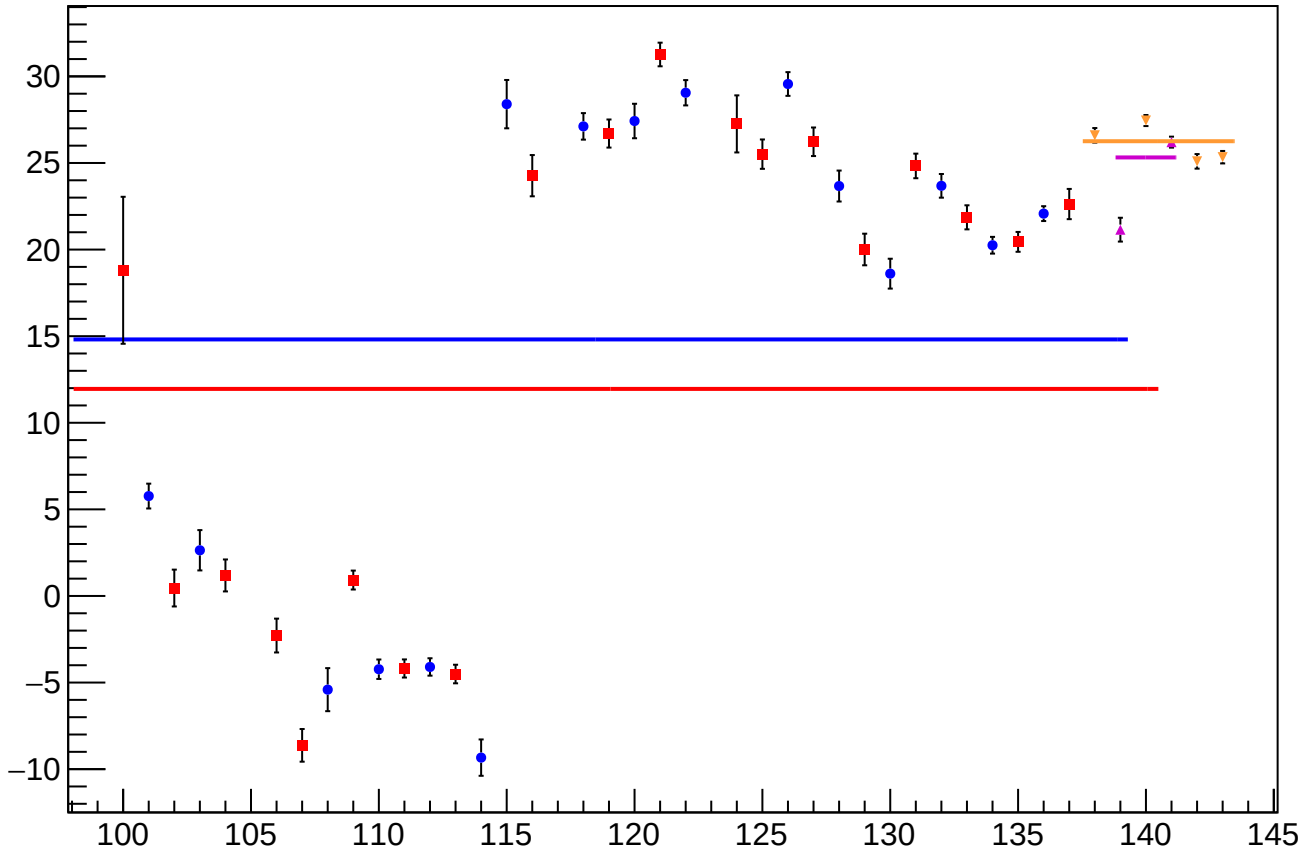
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.553+/-0.132 χ^2/NDF:371.7/17

Out: -2.964+/-0.111 χ^2/NDF:290.1/22

All: -2.794+/-0.085 χ^2/NDF: 667.5/40


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
100
105
110
115
120
125
130
135
140
145
Right In: 37.449+/-0.161 χ2/NDF: 706.9/15
Left Out: 36.915+/-0.204 χ2/NDF:266.4/3
Right Out: 37.749+/-0.159 χ2/NDF: 963.6/18
Left In: 37.816+/-0.276 χ2/NDF:15.9/1
Left: 37.232+/-0.164 χ2/NDF: 289.2/5
Right: 37.600+/-0.113 χ2/NDF: 1672.3/34
In: 37.542+/-0.139 χ2/NDF:724.2/17
Out: 37.432+/-0.126 χ2/NDF:1240.4/22
All: 37.482+/-0.093 χ2/NDF: 1964.9/40



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 26.257+/-0.186 χ^2/NDF:28.9/3

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 25.320+/-0.288 χ^2/NDF:44.6/1

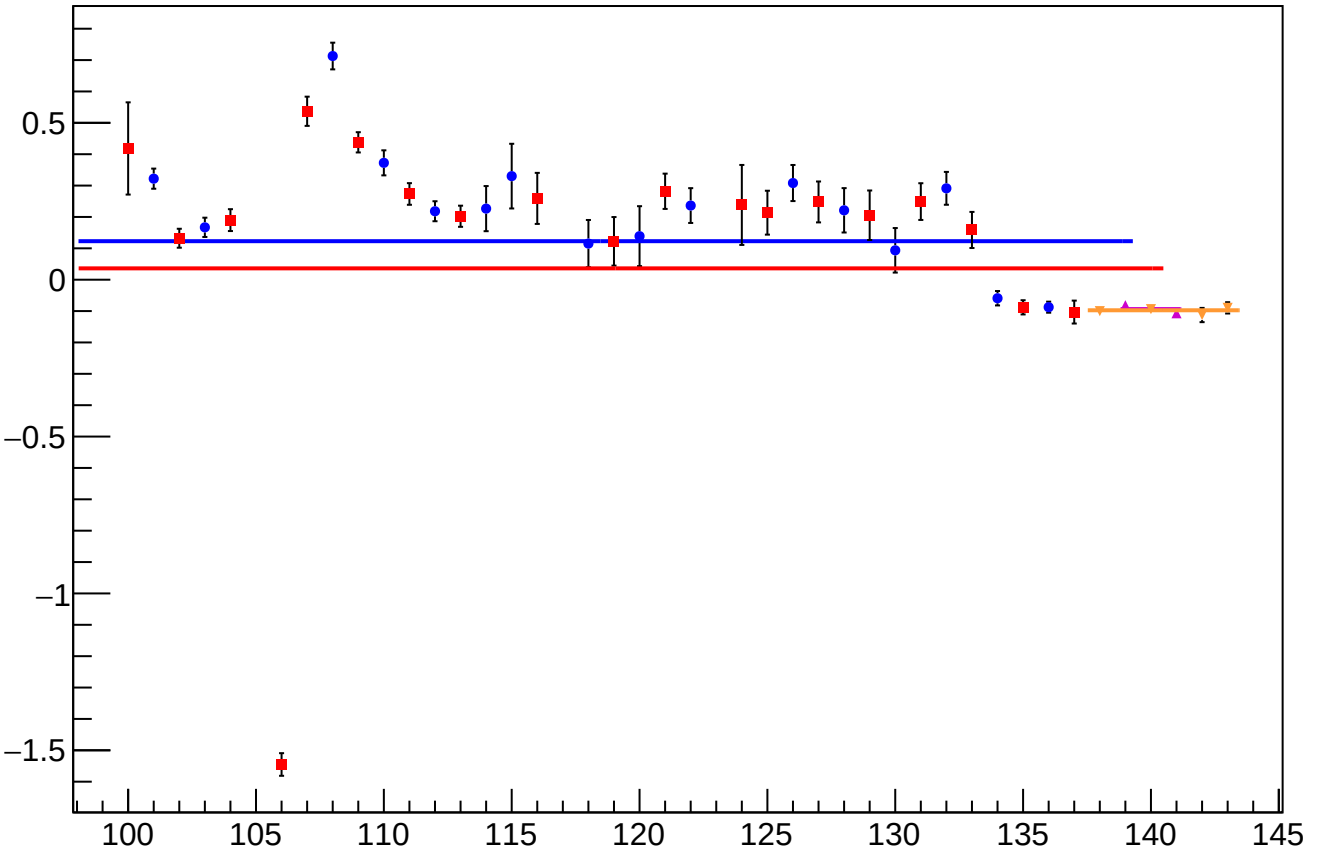
Left: 25.980+/-0.156 χ^2/NDF: 80.9/5

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 17.625+/-0.149 χ^2/NDF:6708.8/17

Out: 18.738+/-0.128 χ^2/NDF:9237.1/22

All: 18.264+/-0.097 χ^2/NDF: 15978.0/40



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.097+/-0.009 χ^2/NDF:0.7/3

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.094+/-0.011 χ^2/NDF:1.5/1

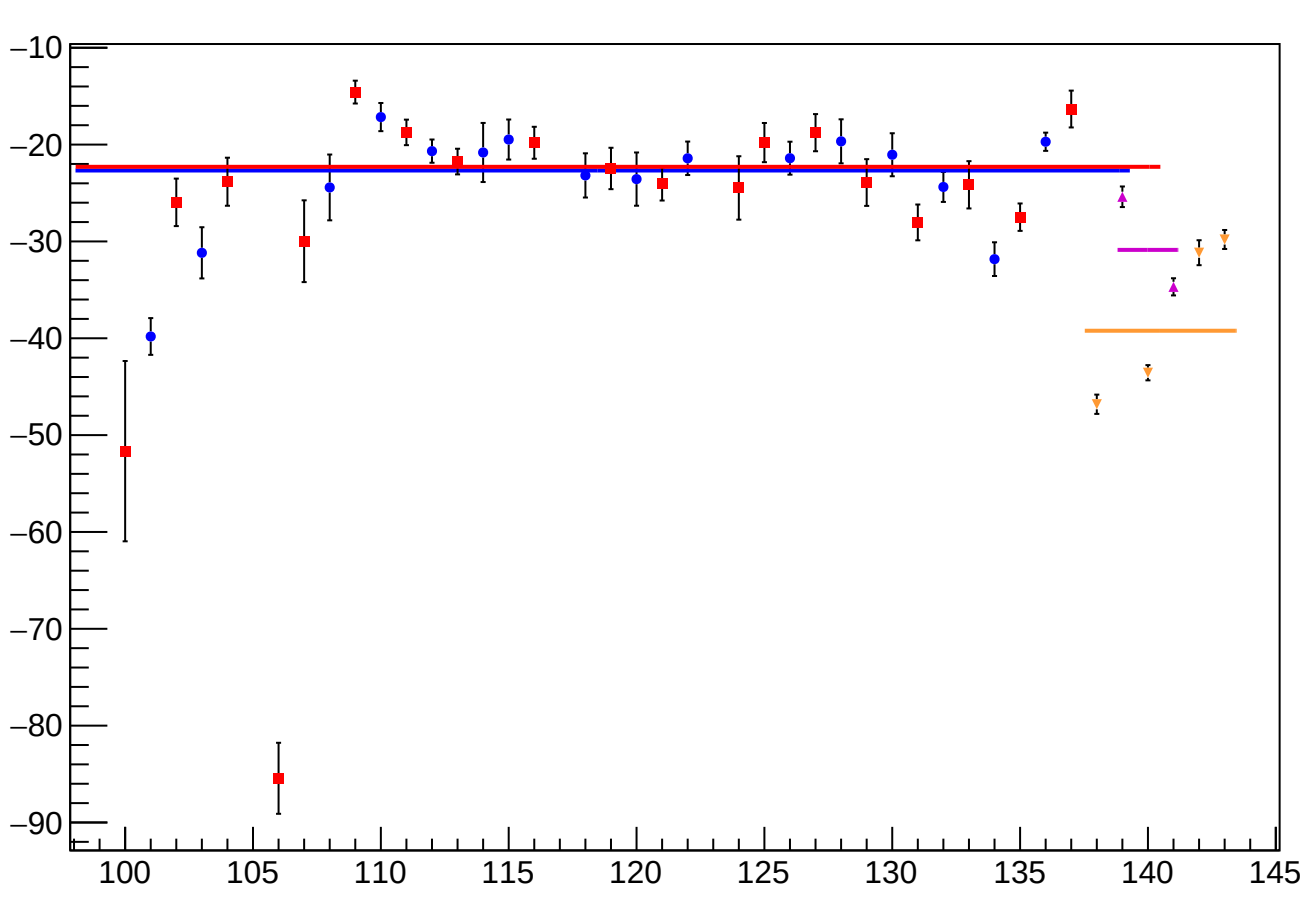
Left: -0.096+/-0.007 χ^2/NDF: 2.3/5

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: 0.028+/-0.007 χ^2/NDF:754.0/17

Out: -0.039+/-0.006 χ^2/NDF:2520.7/22

All: -0.009+/-0.005 χ^2/NDF: 3323.6/40



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -39.222+/-0.484 χ^2/NDF:219.9/3

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -30.873+/-0.681 χ^2/NDF:45.1/1

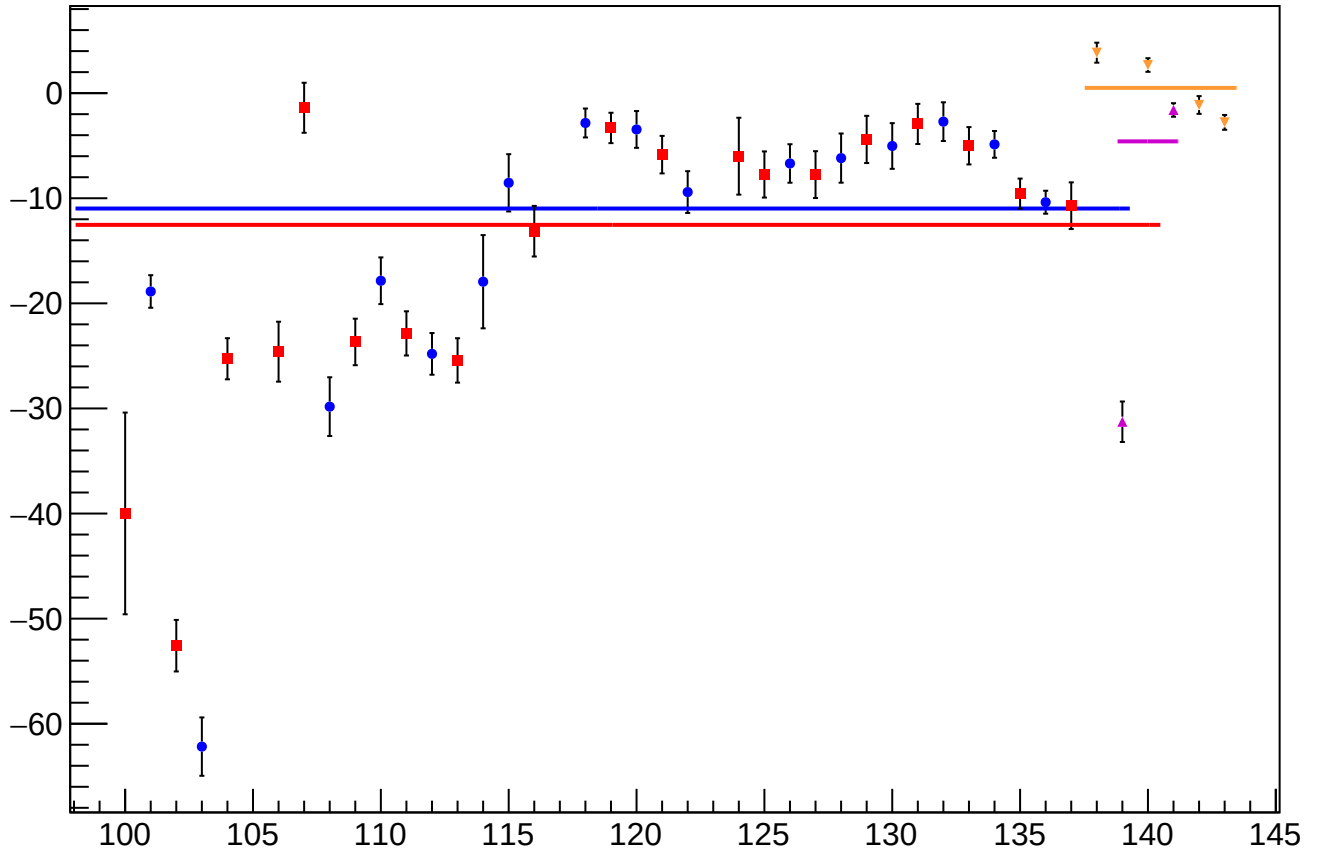
Left: -36.418+/-0.395 χ^2/NDF: 364.9/5

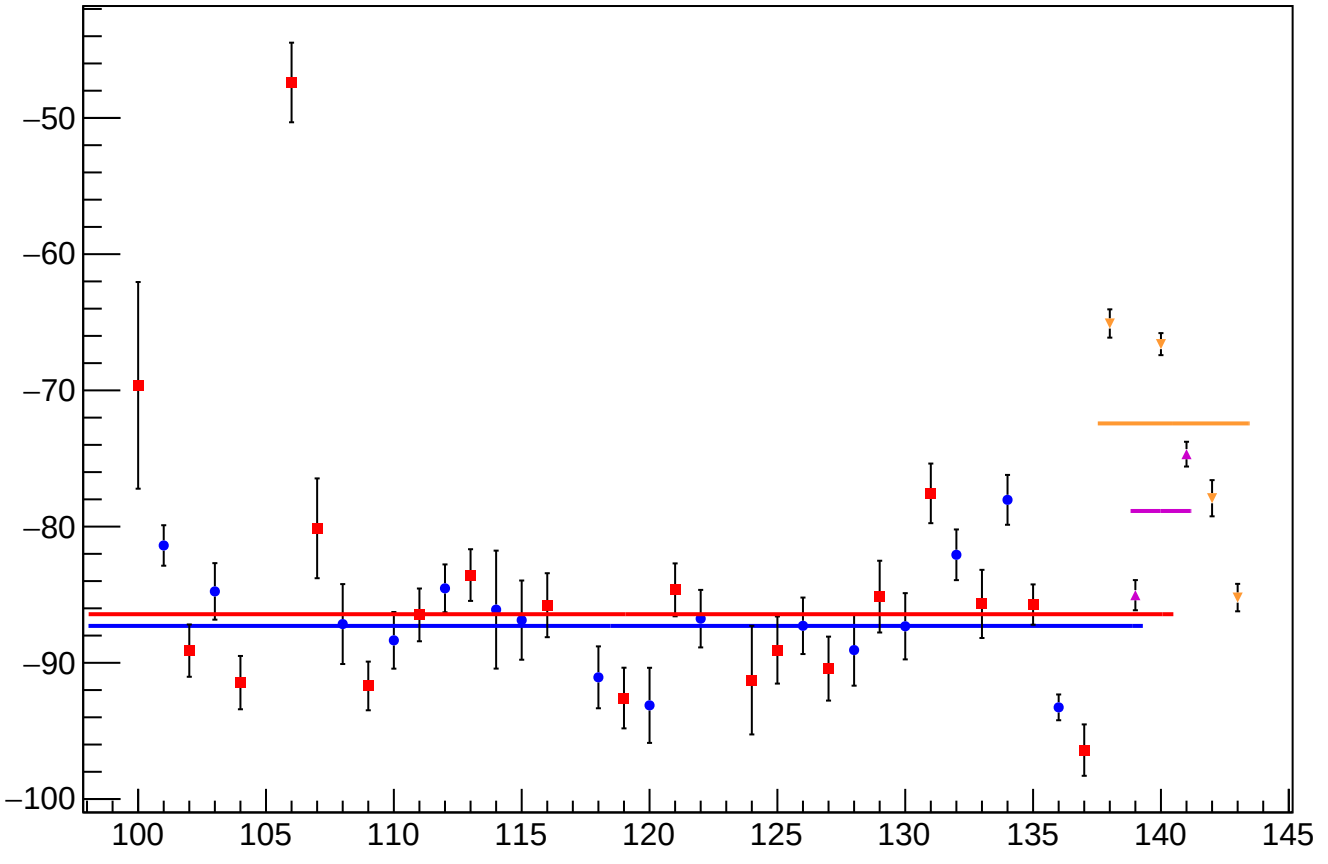
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -25.047+/-0.366 χ^2/NDF:302.6/17

Out: -29.858+/-0.324 χ^2/NDF:1301.4/22

All: -27.749+/-0.243 χ^2/NDF: 1700.9/40


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
105
110
115
120
125
130
135
140
145
Right In: -10.978+/-0.453 χ²/NDF: 587.3/15
Left Out: 0.500+/-0.381 χ²/NDF:49.0/3
Right Out: -12.533+/-0.481 χ²/NDF: 572.3/18
Left In: -4.590+/-0.611 χ²/NDF:213.4/1
Left: -0.923+/-0.323 χ²/NDF: 312.4/5
Right: -11.710+/-0.330 χ²/NDF: 1165.1/34
In: -8.711+/-0.364 χ²/NDF:871.2/17
Out: -4.520+/-0.299 χ²/NDF:1072.5/22
All: -6.205+/-0.231 χ²/NDF: 2022.8/40



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.426+/-0.500 χ^2/NDF:279.6/3

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -78.853+/-0.703 χ^2/NDF:52.2/1

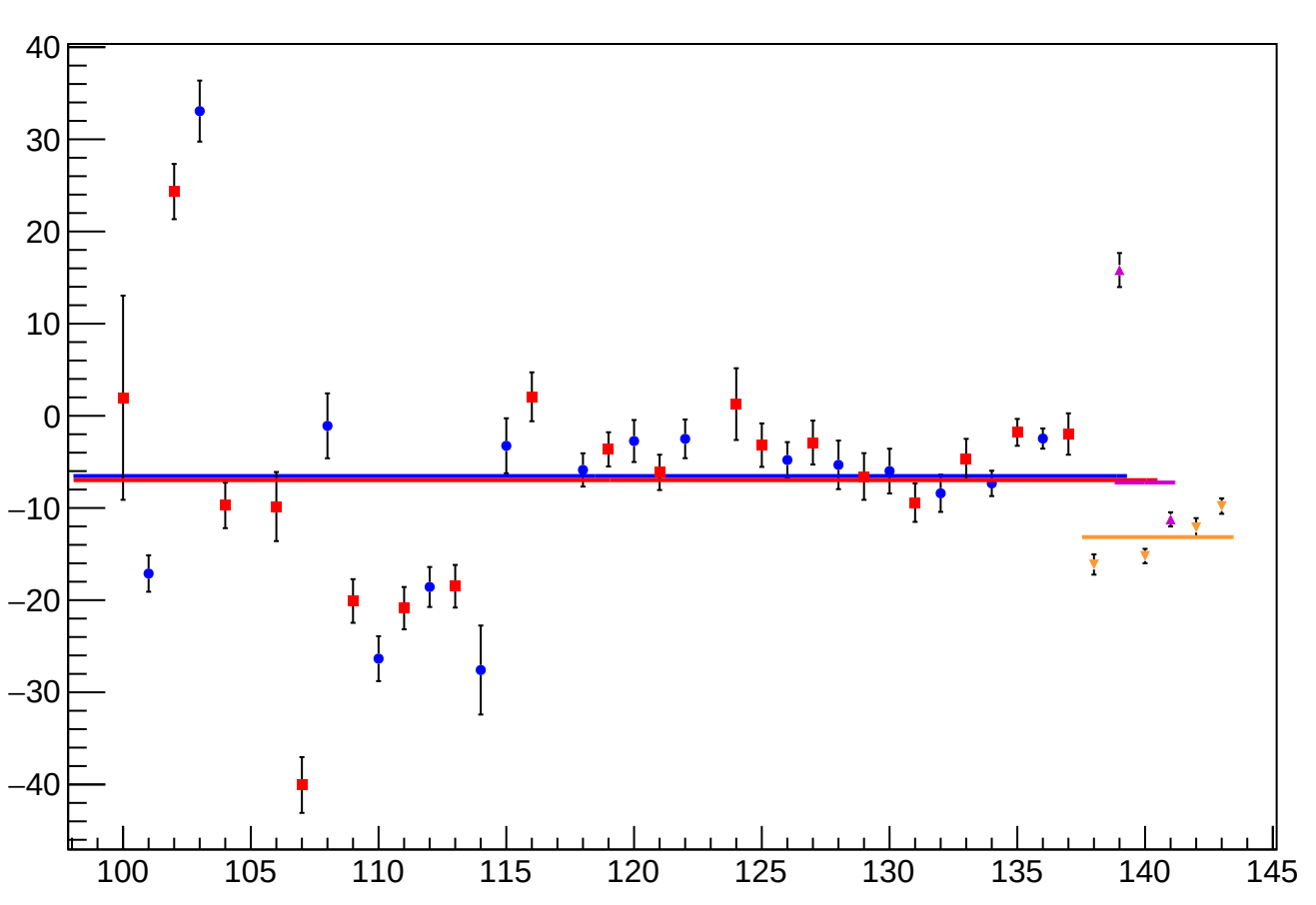
Left: -74.584+/-0.407 χ^2/NDF: 387.3/5

Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -84.603+/-0.397 χ^2/NDF:251.6/17

Out: -79.342+/-0.356 χ^2/NDF:932.3/22

All: -81.685+/-0.265 χ^2/NDF: 1281.4/40



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.161+/-0.453 χ^2/NDF:31.4/3

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -7.239+/-0.710 χ^2/NDF:182.7/1

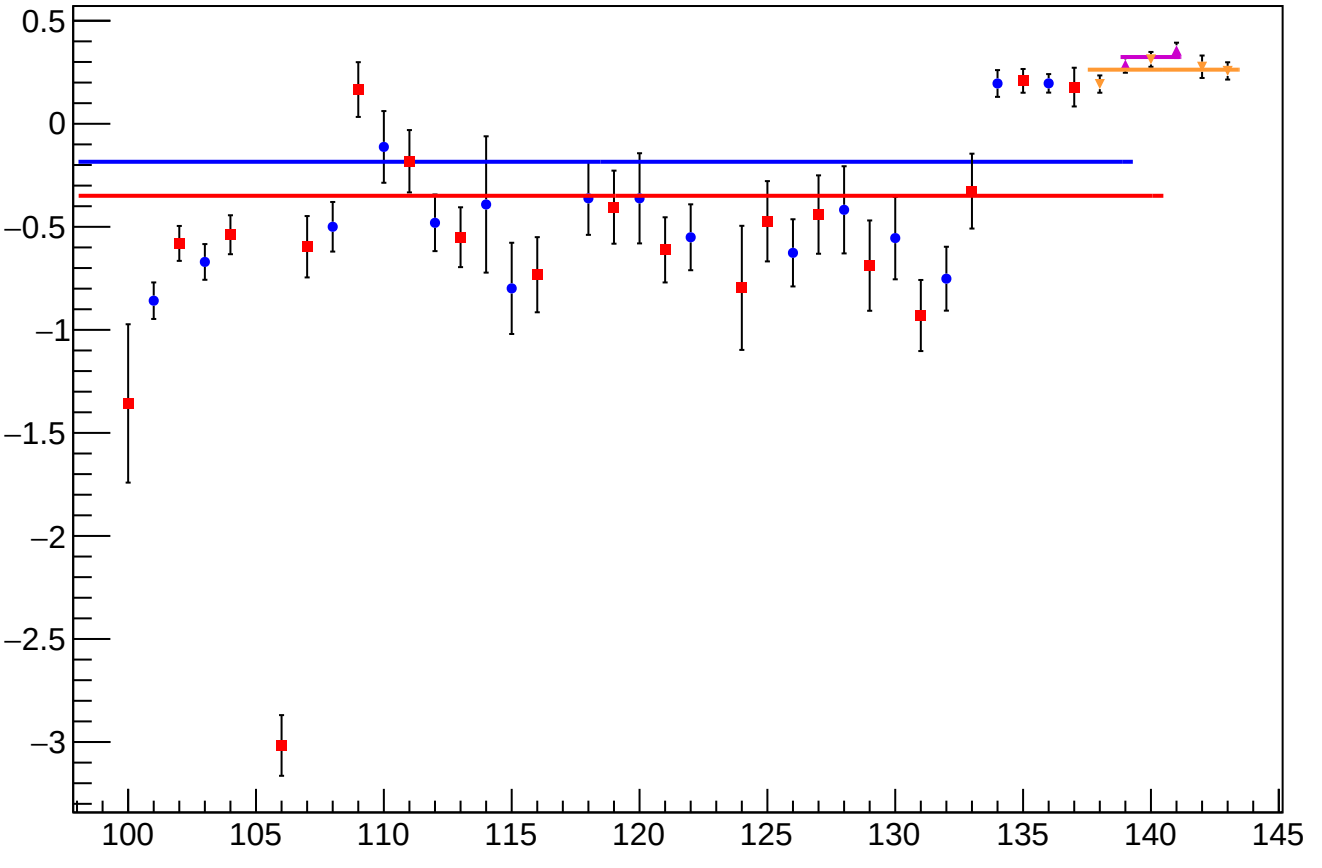
Left: -11.447+/-0.382 χ^2/NDF: 263.6/5

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -6.774+/-0.413 χ^2/NDF:497.3/17

Out: -10.617+/-0.347 χ^2/NDF:476.4/22

All: -9.024+/-0.266 χ^2/NDF: 1024.4/40



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.263+/-0.021 χ^2/NDF:4.8/3

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.324+/-0.027 χ^2/NDF:1.6/1

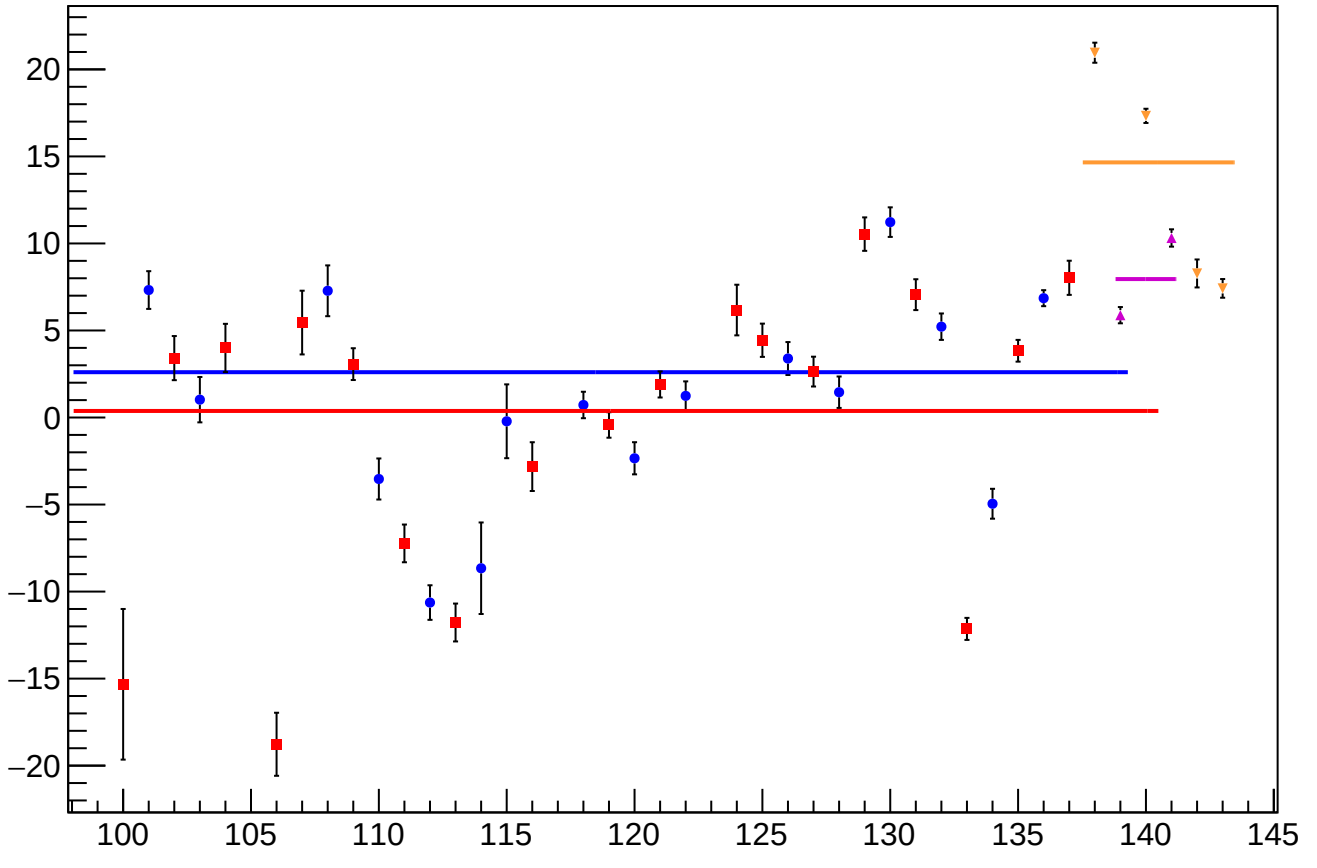
Left: 0.286+/-0.017 χ^2/NDF: 9.6/5

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.066+/-0.019 χ^2/NDF:426.7/17

Out: 0.054+/-0.017 χ^2/NDF:808.2/22

All: 0.059+/-0.013 χ^2/NDF: 1235.2/40



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 14.657+/-0.267 χ^2/NDF:407.1/3

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 7.954+/-0.341 χ^2/NDF:42.2/1

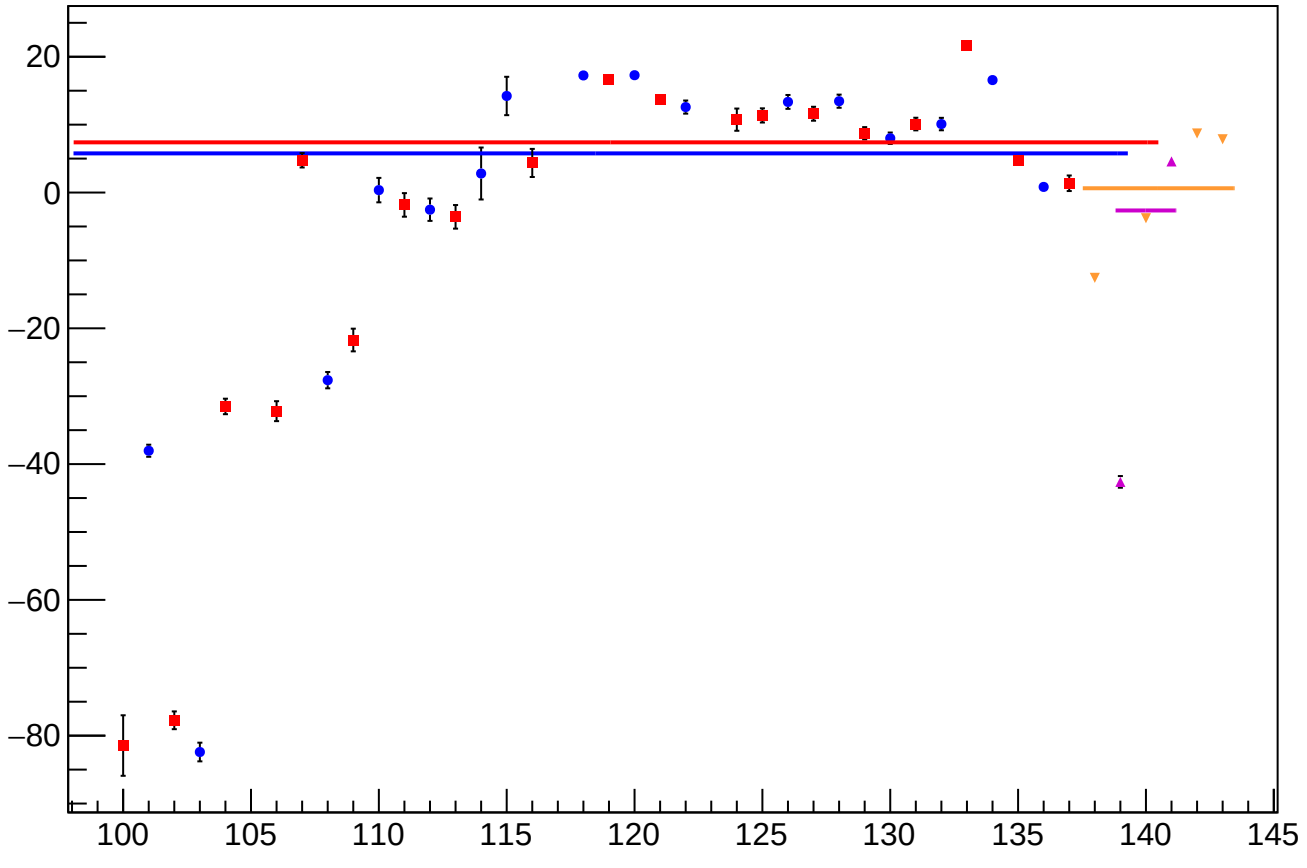
Left: 12.106+/-0.210 χ^2/NDF: 689.0/5

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 4.219+/-0.187 χ^2/NDF:787.4/17

Out: 6.220+/-0.171 χ^2/NDF:3127.3/22

All: 5.311+/-0.126 χ^2/NDF: 3977.1/40



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 0.631+/-0.215 χ^2/NDF:1258.1/3

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: -2.641+/-0.336 χ^2/NDF:2560.4/1

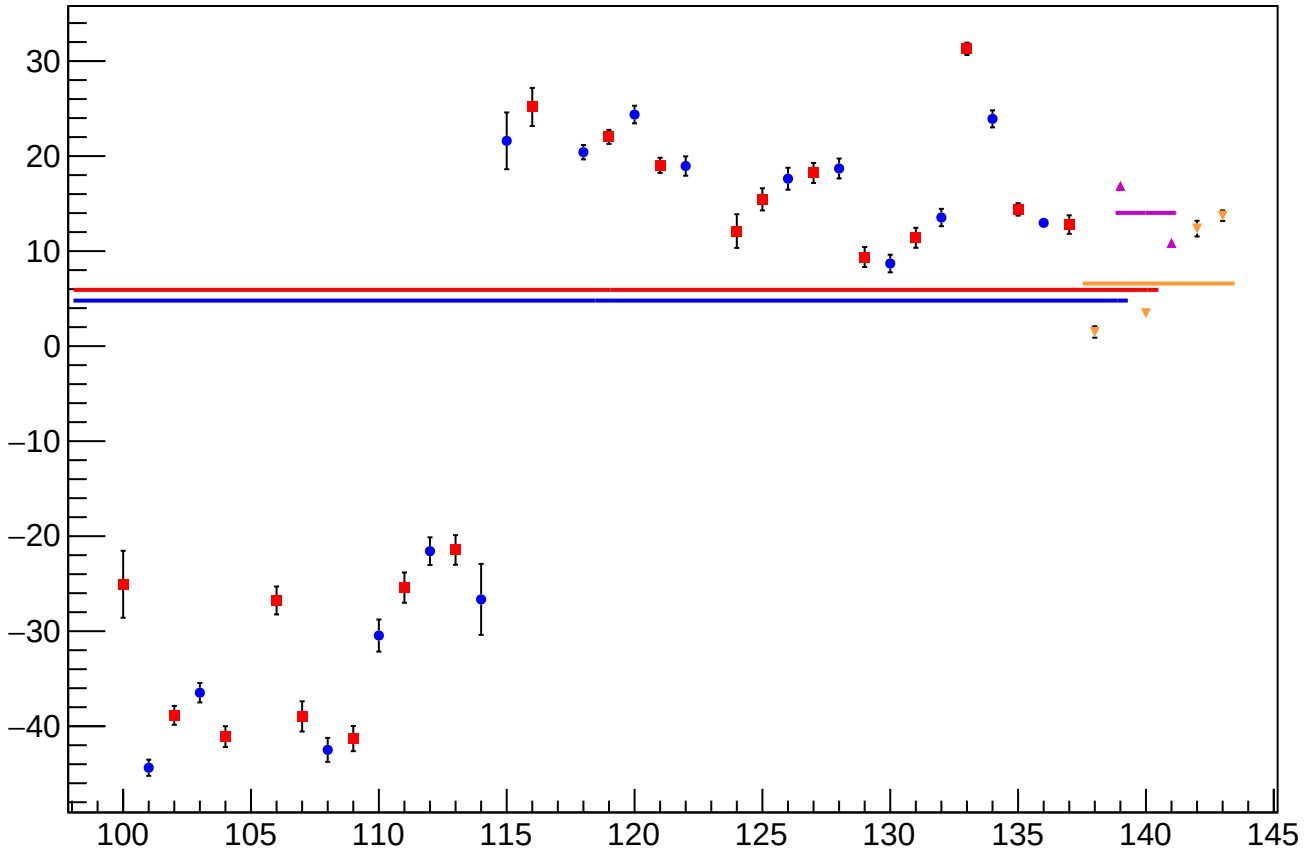
Left: -0.319+/-0.181 χ^2/NDF: 3885.9/5

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 3.408+/-0.178 χ^2/NDF:11945.1/17

Out: 4.108+/-0.150 χ^2/NDF:10158.4/22

All: 3.818+/-0.115 χ^2/NDF: 22112.6/40



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 6.591+/-0.276 χ^2/NDF:343.3/3

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 14.019+/-0.352 χ^2/NDF:72.5/1

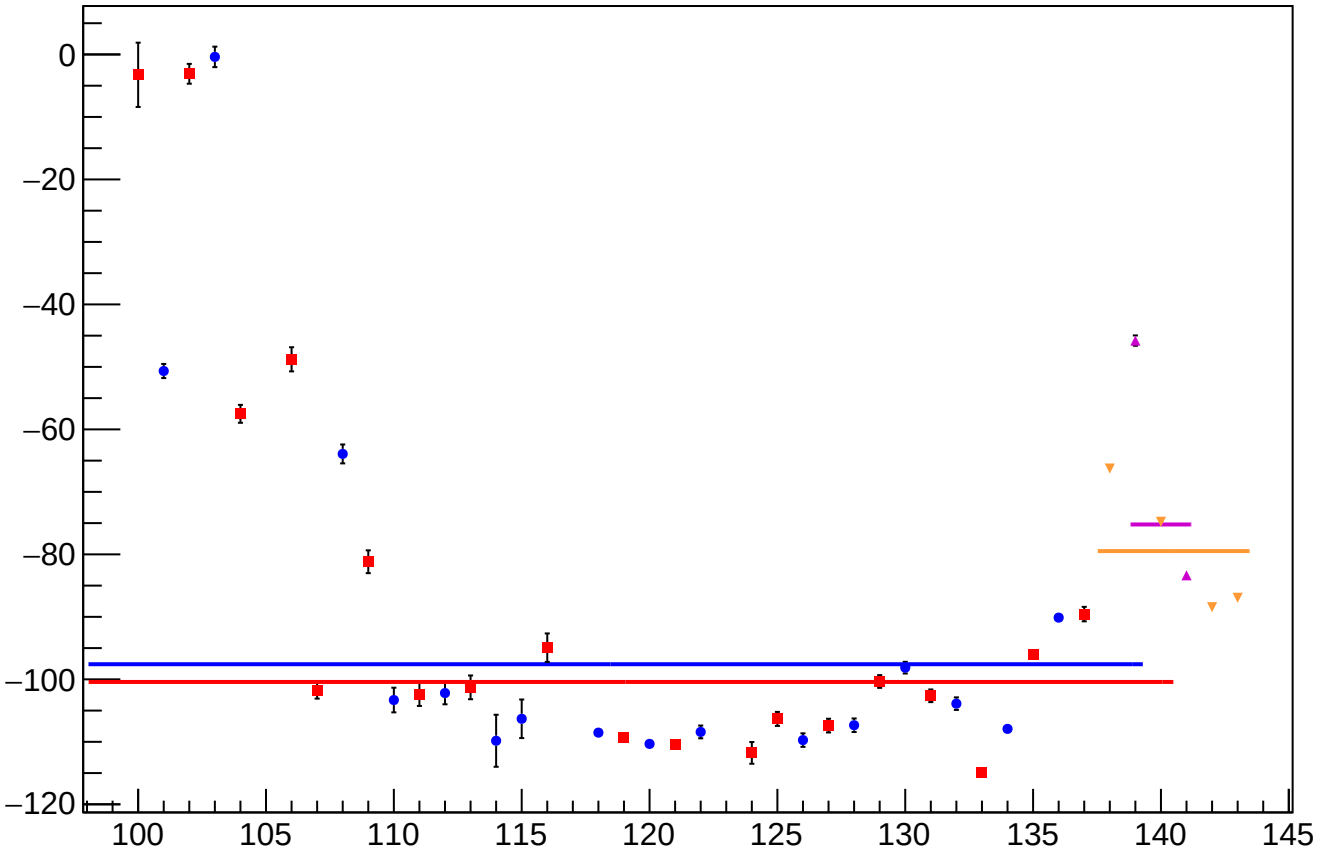
Left: 9.415+/-0.217 χ^2/NDF: 692.0/5

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 7.679+/-0.197 χ^2/NDF:10041.6/17

Out: 6.210+/-0.181 χ^2/NDF:10406.0/22

All: 6.883+/-0.133 χ^2/NDF: 20477.9/40



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -79.475+/-0.255 χ^2/NDF:995.0/3

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -75.216+/-0.384 χ^2/NDF:1624.7/1

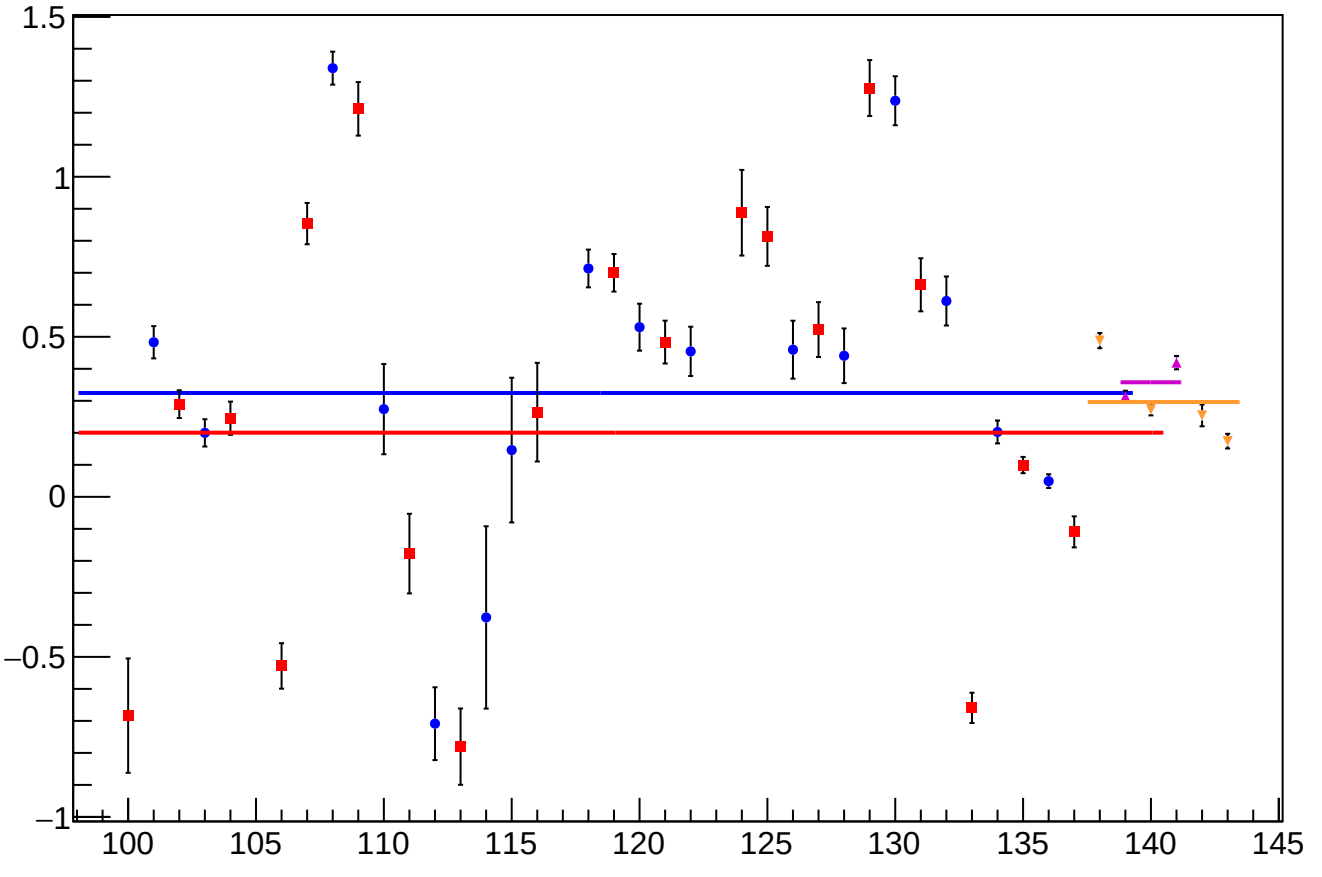
Left: -78.174+/-0.212 χ^2/NDF: 2705.3/5

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -91.232+/-0.205 χ^2/NDF:11200.1/17

Out: -90.520+/-0.175 χ^2/NDF:11680.2/22

All: -90.821+/-0.133 χ^2/NDF: 22887.2/40



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.296+/-0.012 χ^2/NDF:96.2/3

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.358+/-0.013 χ^2/NDF:14.8/1

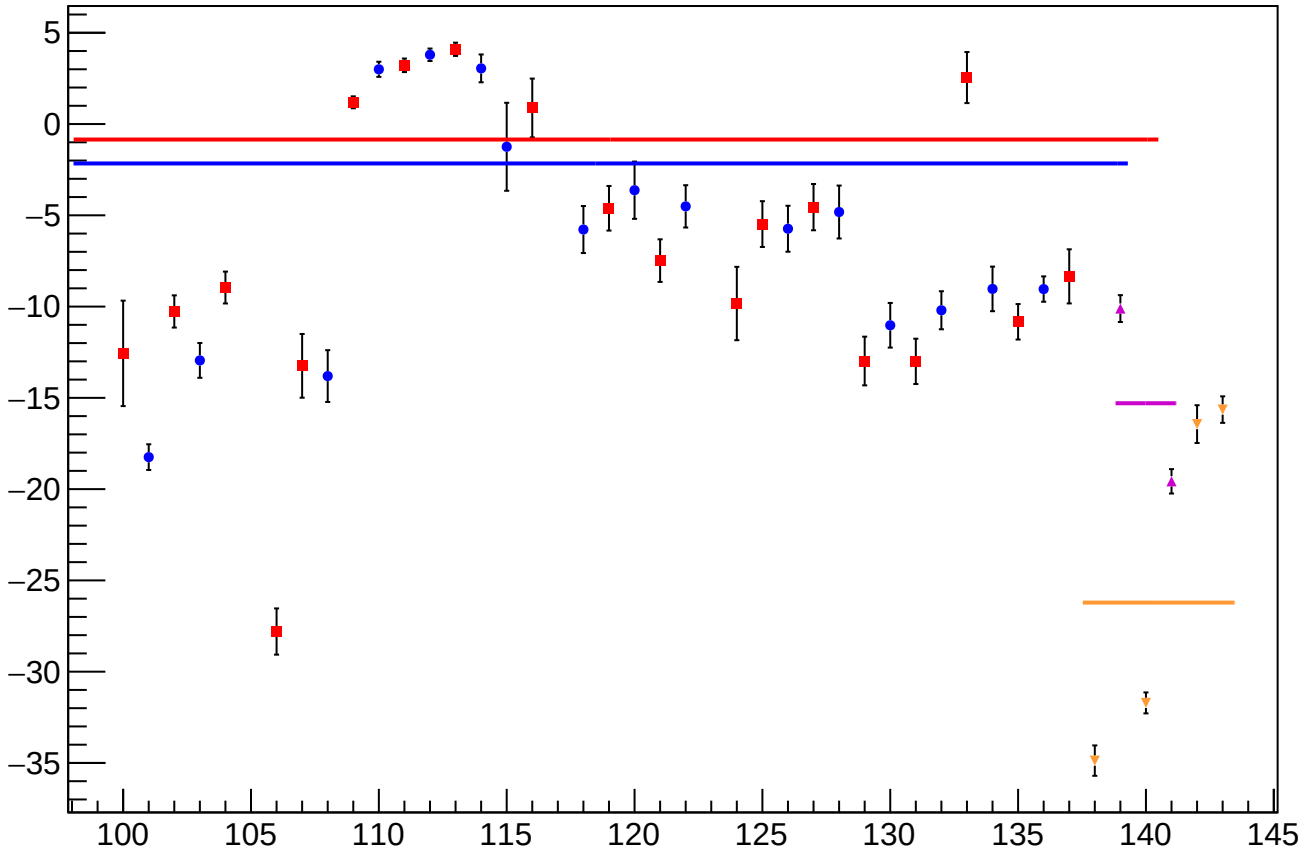
Left: 0.322+/-0.009 χ^2/NDF: 123.0/5

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.341+/-0.009 χ^2/NDF:904.5/17

Out: 0.257+/-0.009 χ^2/NDF:1330.6/22

All: 0.296+/-0.006 χ^2/NDF: 2277.1/40



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -26.216+/-0.370 χ^2/NDF:501.1/3

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: -22.301+/-0.296 χ^2/NDF: 904.1/5

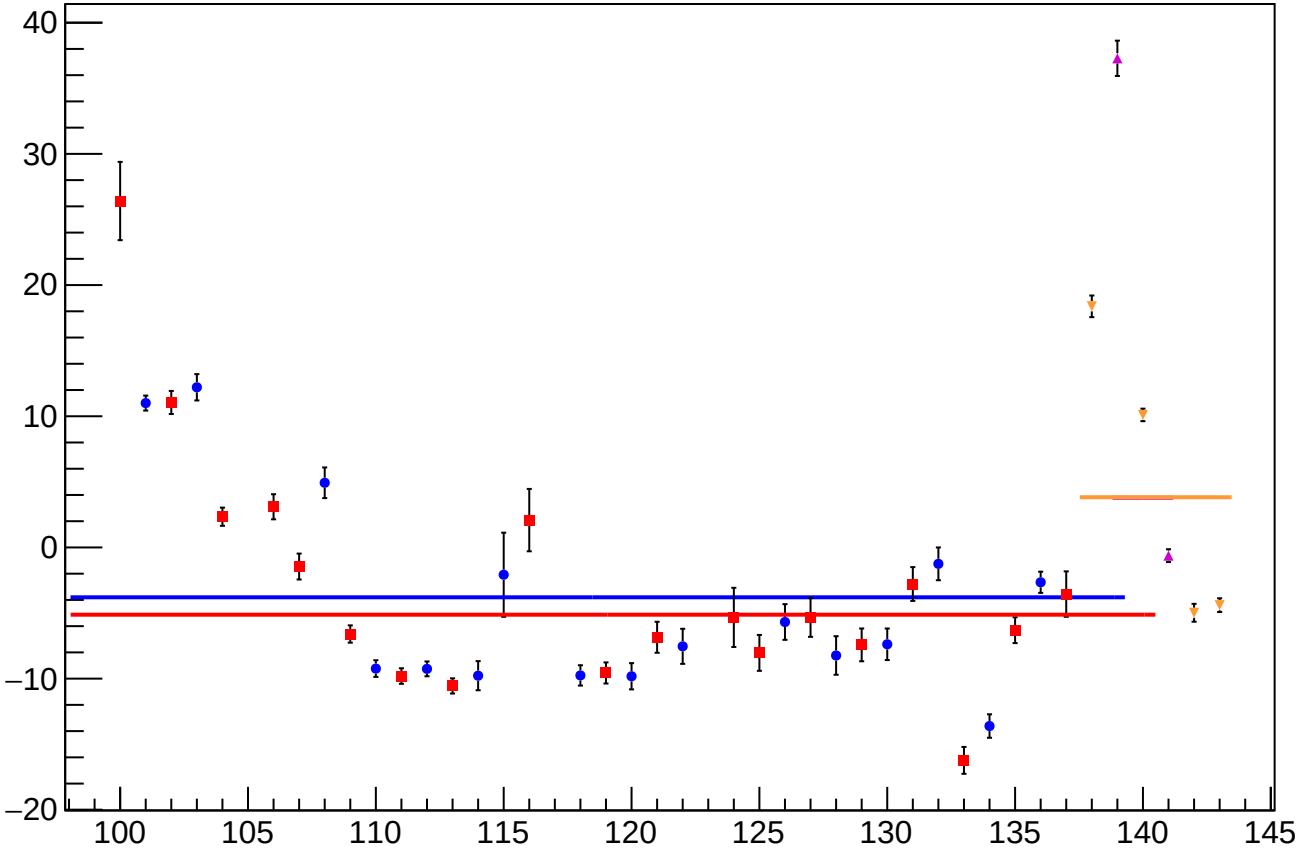
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -3.878+/-0.179 χ^2/NDF:2194.1/17

Out: -5.289+/-0.155 χ^2/NDF:5846.0/22

All: -4.685+/-0.117 χ^2/NDF: 8075.7/40

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: 3.828+/-0.293 χ^2/NDF:896.6/3

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: 3.786+/-0.459 χ^2/NDF:700.8/1

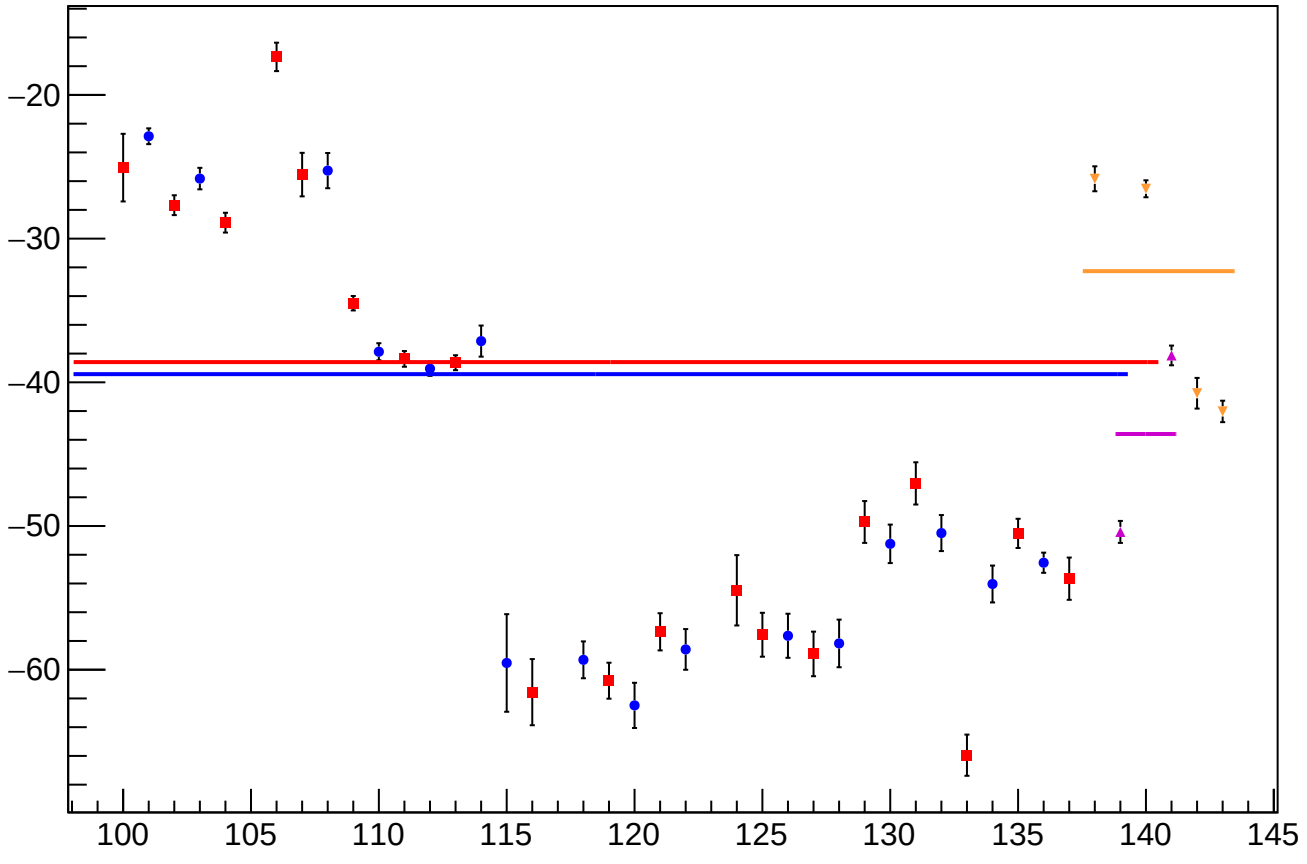
Left: 3.816+/-0.247 χ^2/NDF: 1597.5/5

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.324+/-0.203 χ^2/NDF:2346.3/17

Out: -1.923+/-0.175 χ^2/NDF:2476.5/22

All: -2.095+/-0.133 χ^2/NDF: 4825.0/40



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -32.264+/-0.382 χ^2/NDF:383.4/3

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: -36.324+/-0.306 χ^2/NDF: 842.1/5

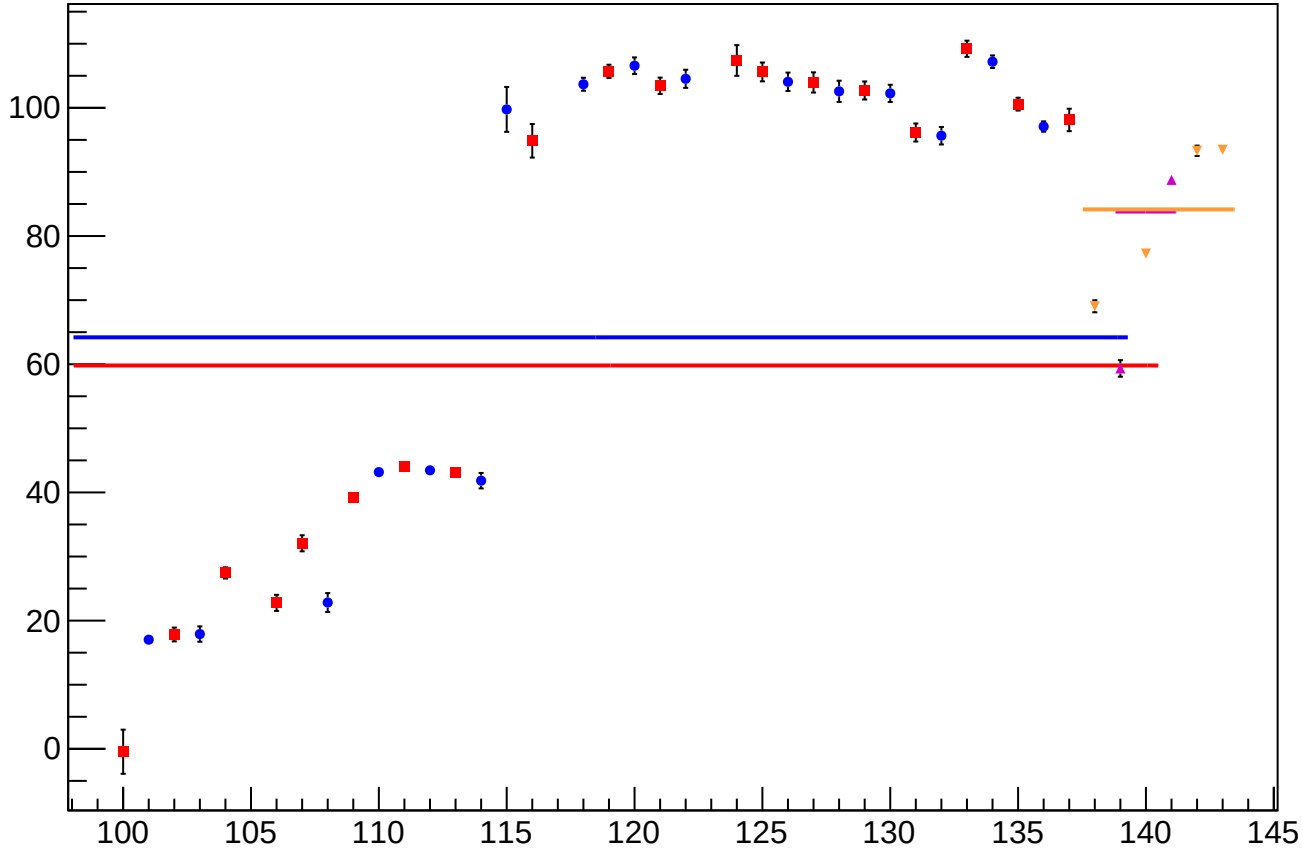
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.111+/-0.206 χ^2/NDF:3156.6/17

Out: -37.094+/-0.186 χ^2/NDF:3365.4/22

All: -38.445+/-0.138 χ^2/NDF: 6640.1/40

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.156+/-0.348 χ^2/NDF:751.8/3

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.821+/-0.530 χ^2/NDF:431.1/1

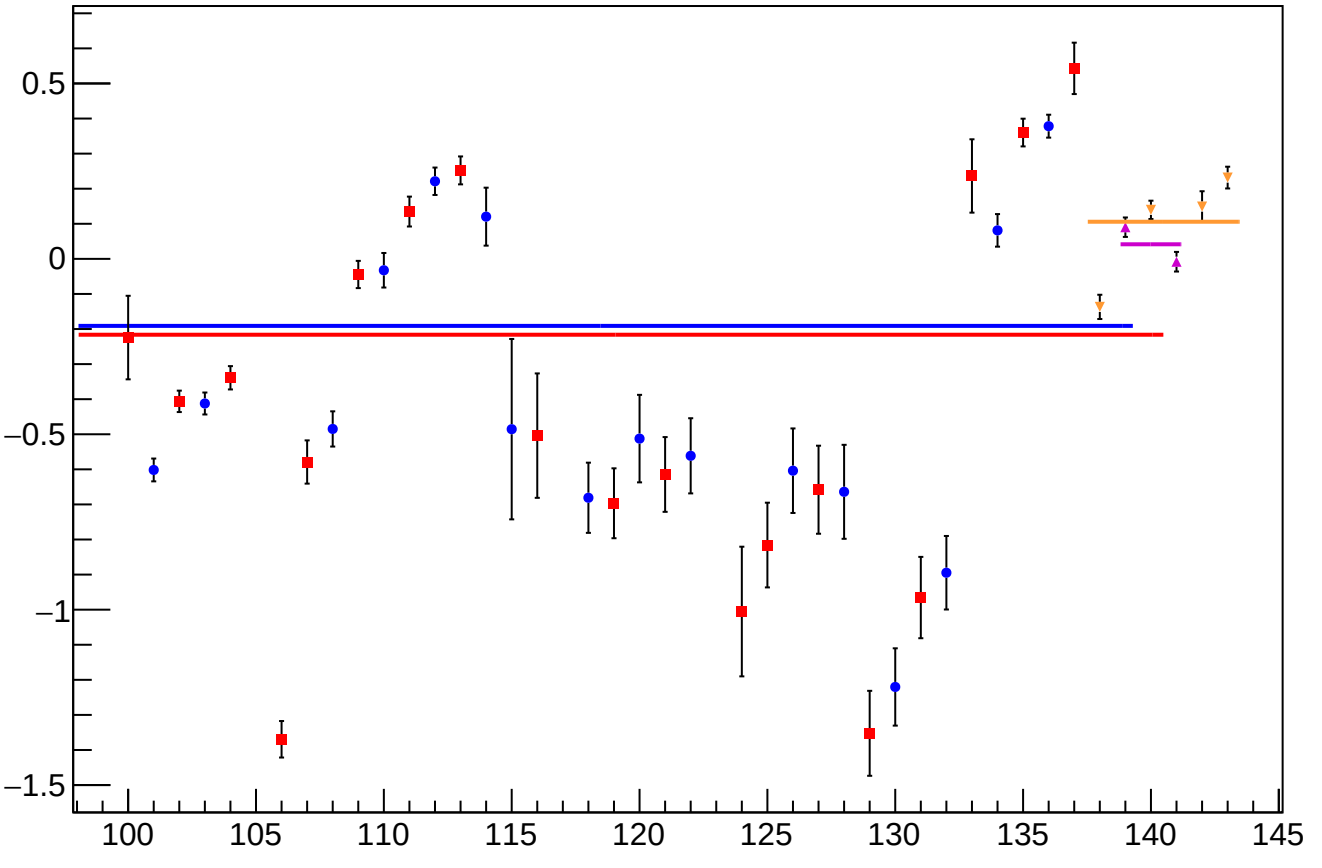
Left: 84.055+/-0.291 χ^2/NDF: 1183.1/5

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 67.946+/-0.232 χ^2/NDF:20137.5/17

Out: 68.042+/-0.202 χ^2/NDF:21424.9/22

All: 68.000+/-0.152 χ^2/NDF: 41562.4/40



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.106+/-0.016 χ^2/NDF:68.4/3

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: 0.080+/-0.012 χ^2/NDF: 81.1/5

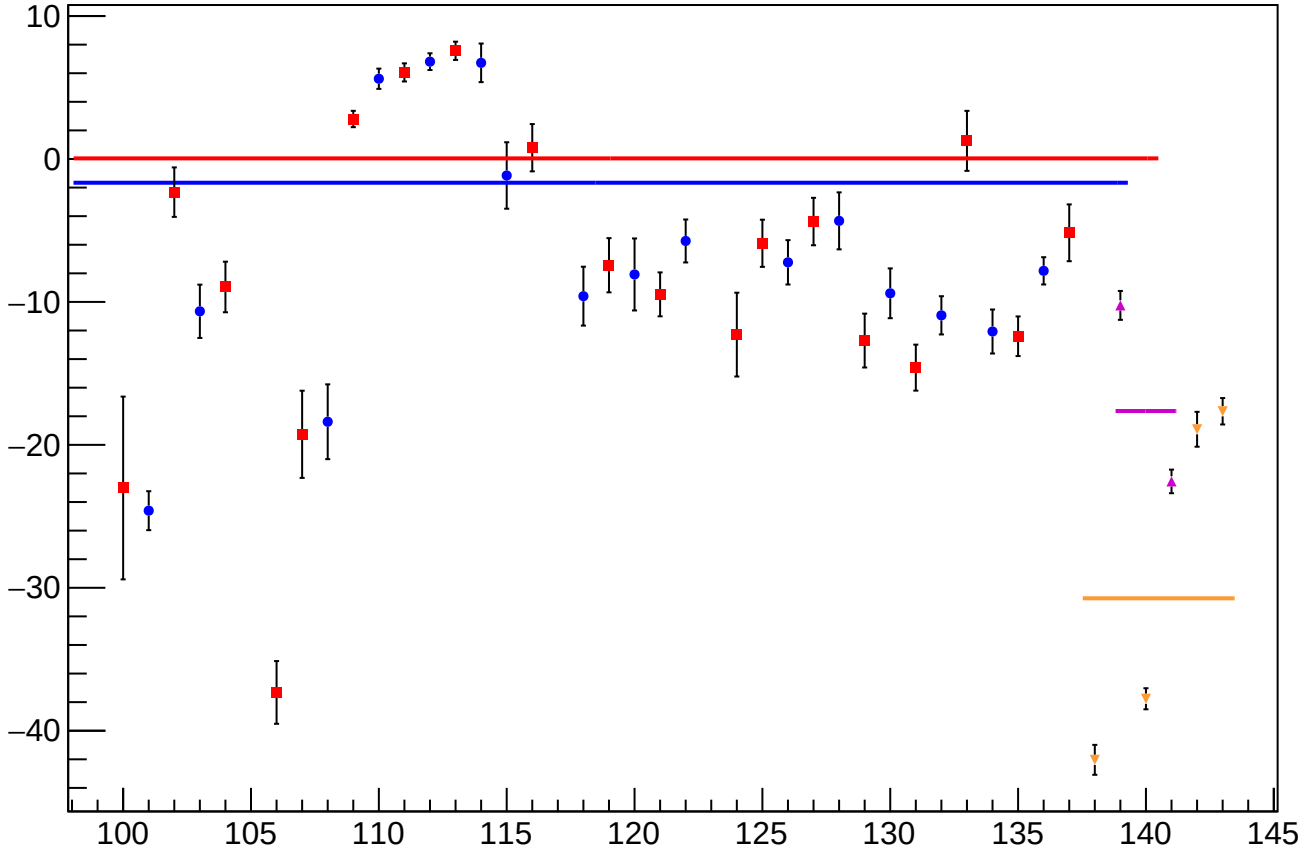
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.117+/-0.011 χ^2/NDF:1019.8/17

Out: -0.090+/-0.010 χ^2/NDF:1680.0/22

All: -0.102+/-0.007 χ^2/NDF: 2703.2/40

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: -30.735+/-0.466 χ^2/NDF:501.9/3

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -17.631+/-0.639 χ^2/NDF:89.1/1

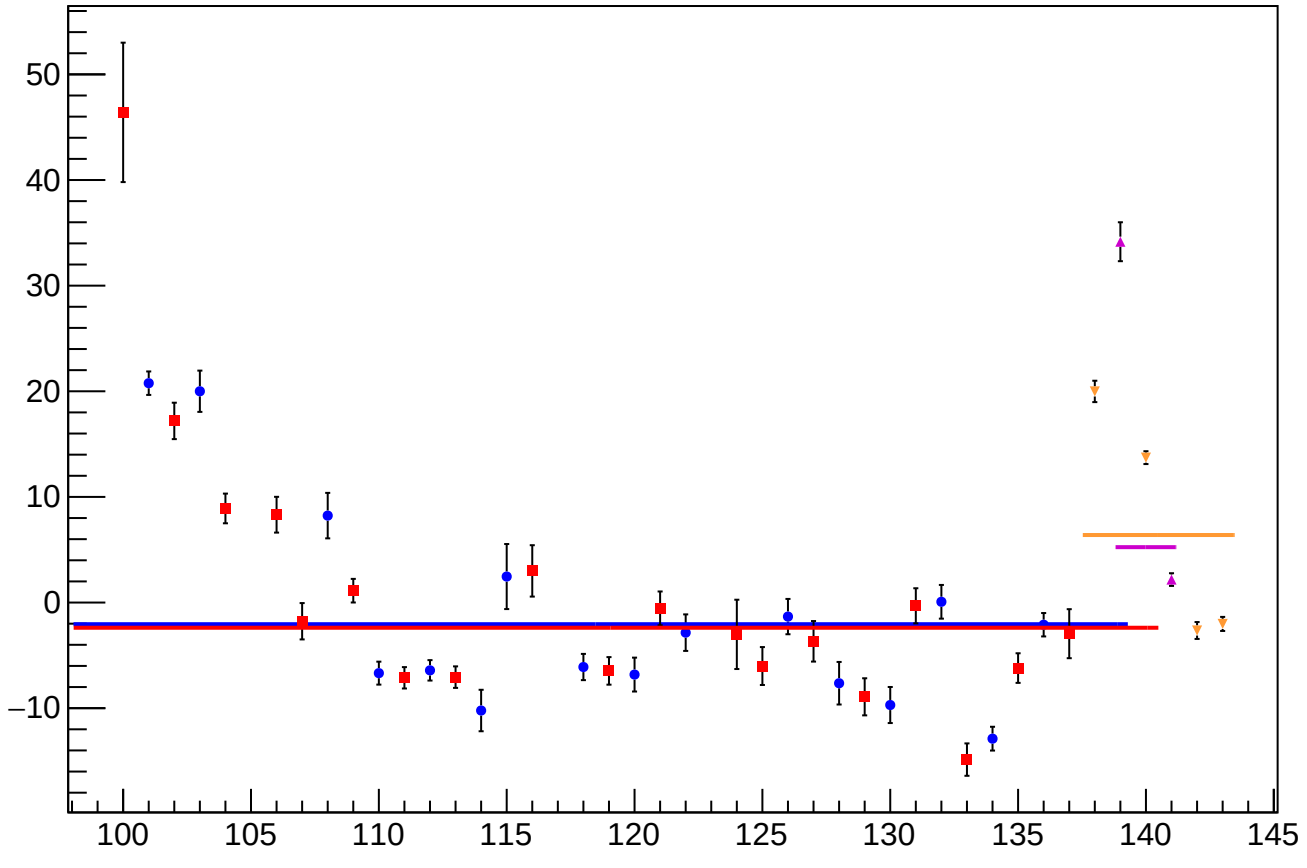
Left: -26.181+/-0.377 χ^2/NDF: 865.3/5

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -4.673+/-0.278 χ^2/NDF:1496.2/17

Out: -8.194+/-0.241 χ^2/NDF:4622.5/22

All: -6.678+/-0.182 χ^2/NDF: 6210.4/40



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 6.393+/-0.365 χ^2/NDF:613.0/3

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 5.244+/-0.571 χ^2/NDF:272.4/1

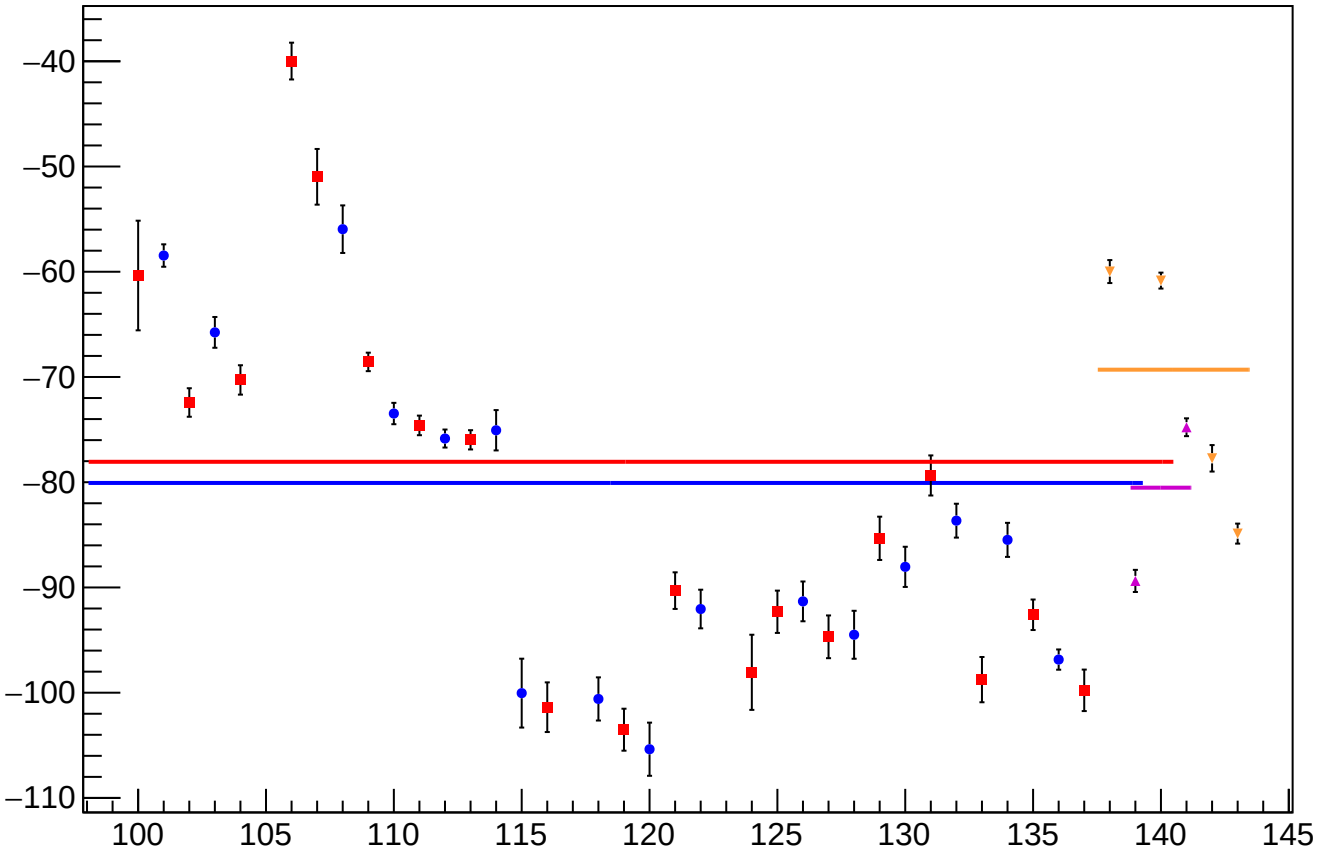
Left: 6.059+/-0.308 χ^2/NDF: 888.3/5

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.006+/-0.302 χ^2/NDF:1161.8/17

Out: 1.884+/-0.255 χ^2/NDF:1360.9/22

All: 1.099+/-0.195 χ^2/NDF: 2545.6/40



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -69.306+/-0.481 χ^2/NDF:511.2/3

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -80.519+/-0.659 χ^2/NDF:117.1/1

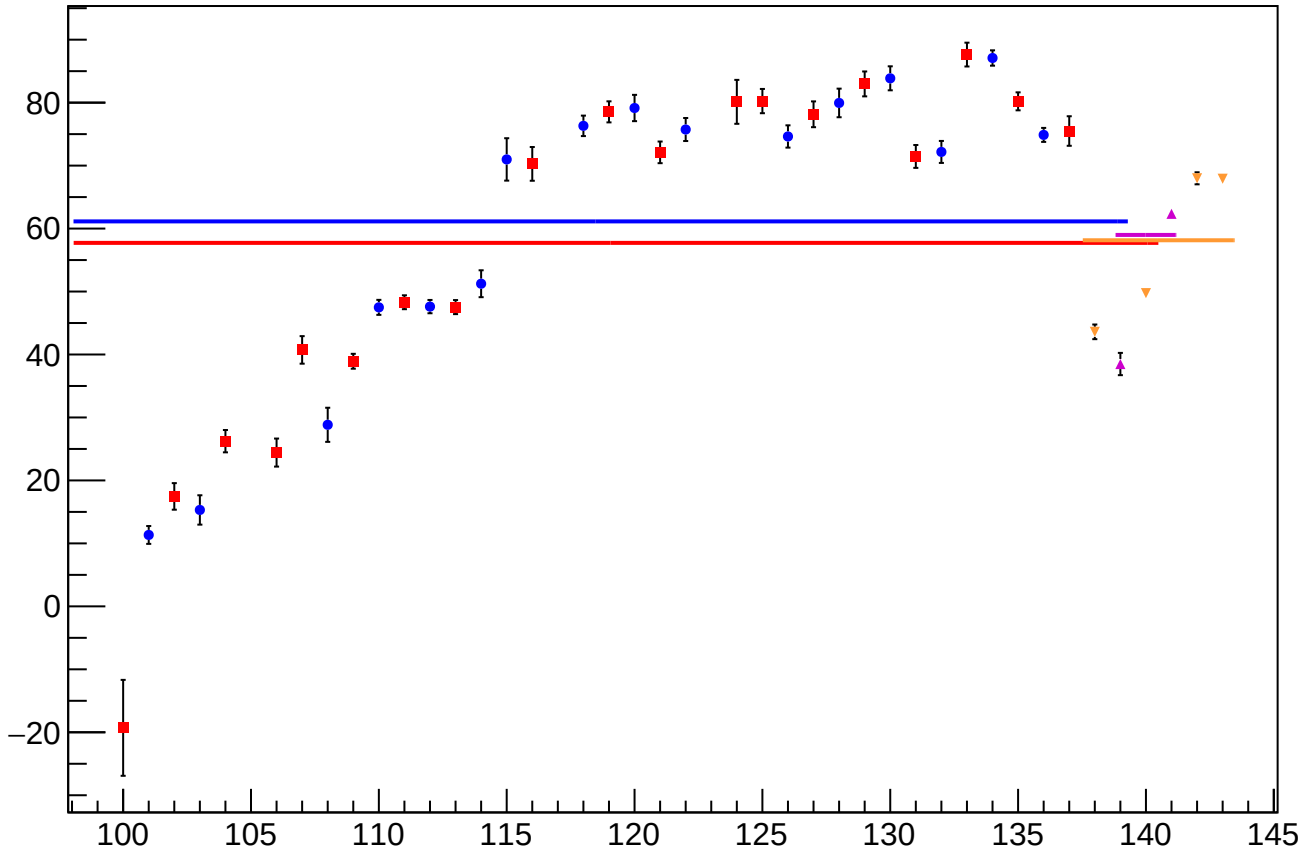
Left: -73.202+/-0.389 χ^2/NDF: 817.0/5

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -80.174+/-0.319 χ^2/NDF:1504.6/17

Out: -74.990+/-0.285 χ^2/NDF:2287.3/22

All: -77.291+/-0.212 χ^2/NDF: 3938.9/40



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.142+/-0.434 χ^2/NDF:546.6/3

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.990+/-0.663 χ^2/NDF:156.4/1

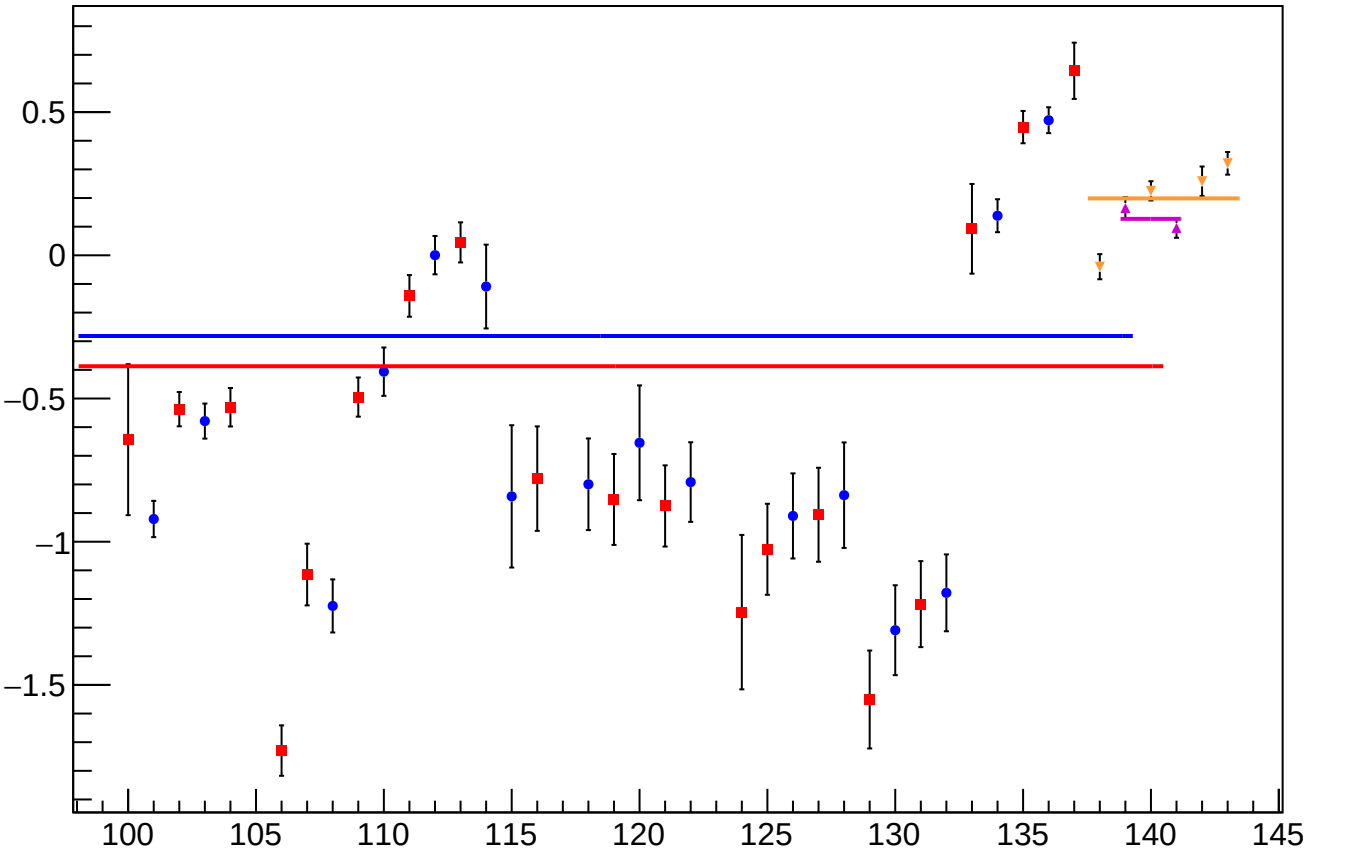
Left: 58.396+/-0.363 χ^2/NDF: 704.1/5

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.564+/-0.343 χ^2/NDF:3393.3/17

Out: 57.918+/-0.294 χ^2/NDF:3322.7/22

All: 59.040+/-0.223 χ^2/NDF: 6750.3/40



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.199+/-0.020 χ^2/NDF:41.1/3

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.127+/-0.026 χ^2/NDF:1.8/1

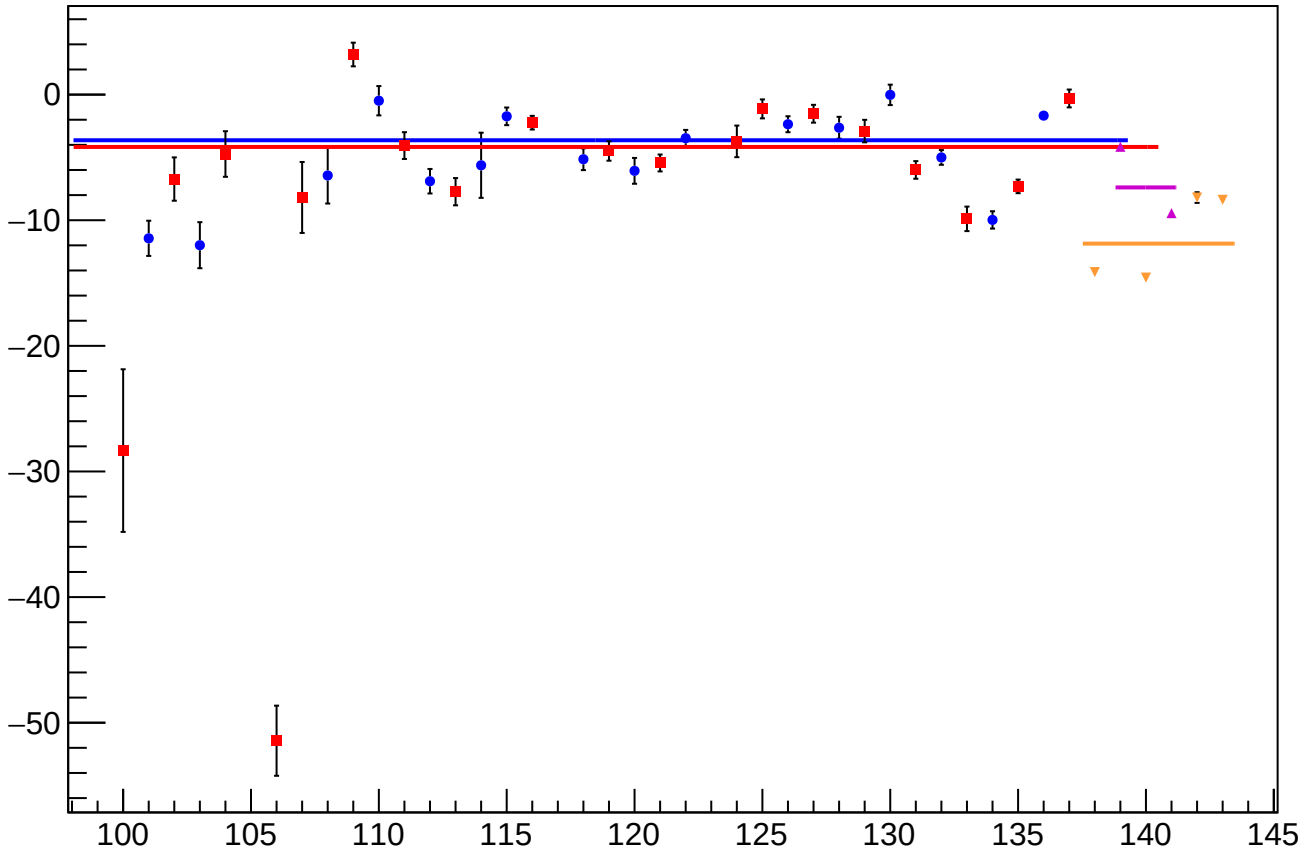
Left: 0.171+/-0.016 χ^2/NDF: 47.7/5

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.111+/-0.017 χ^2/NDF:879.3/17

Out: -0.073+/-0.015 χ^2/NDF:1244.3/22

All: -0.090+/-0.011 χ^2/NDF: 2126.6/40



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -11.862+/-0.162 χ^2/NDF:344.0/3

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: -10.369+/-0.133 χ^2/NDF: 723.1/5

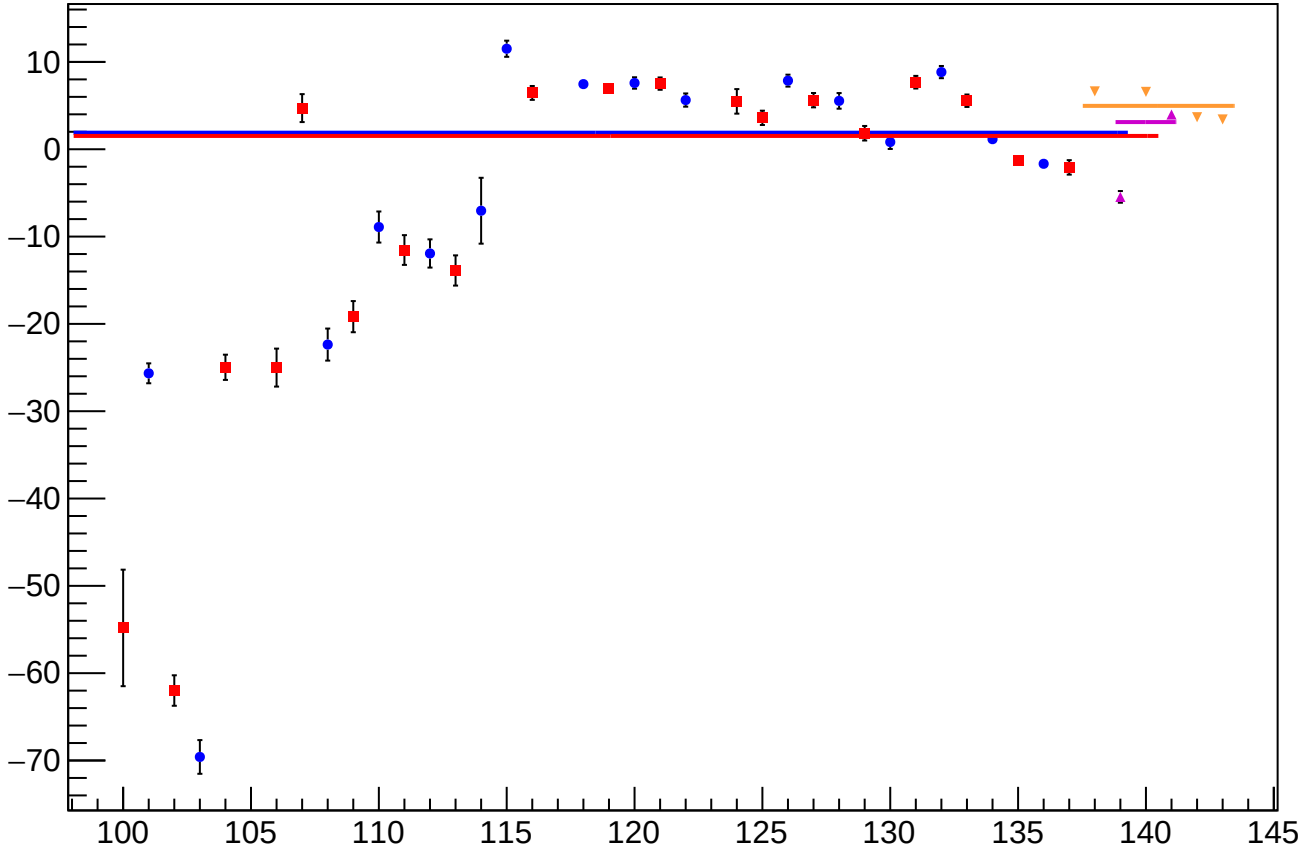
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.152+/-0.146 χ^2/NDF:520.0/17

Out: -8.794+/-0.126 χ^2/NDF:1769.0/22

All: -7.239+/-0.095 χ^2/NDF: 2646.1/40

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: 4.969+/-0.127 χ^2/NDF:147.5/3

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.112+/-0.203 χ^2/NDF:180.4/1

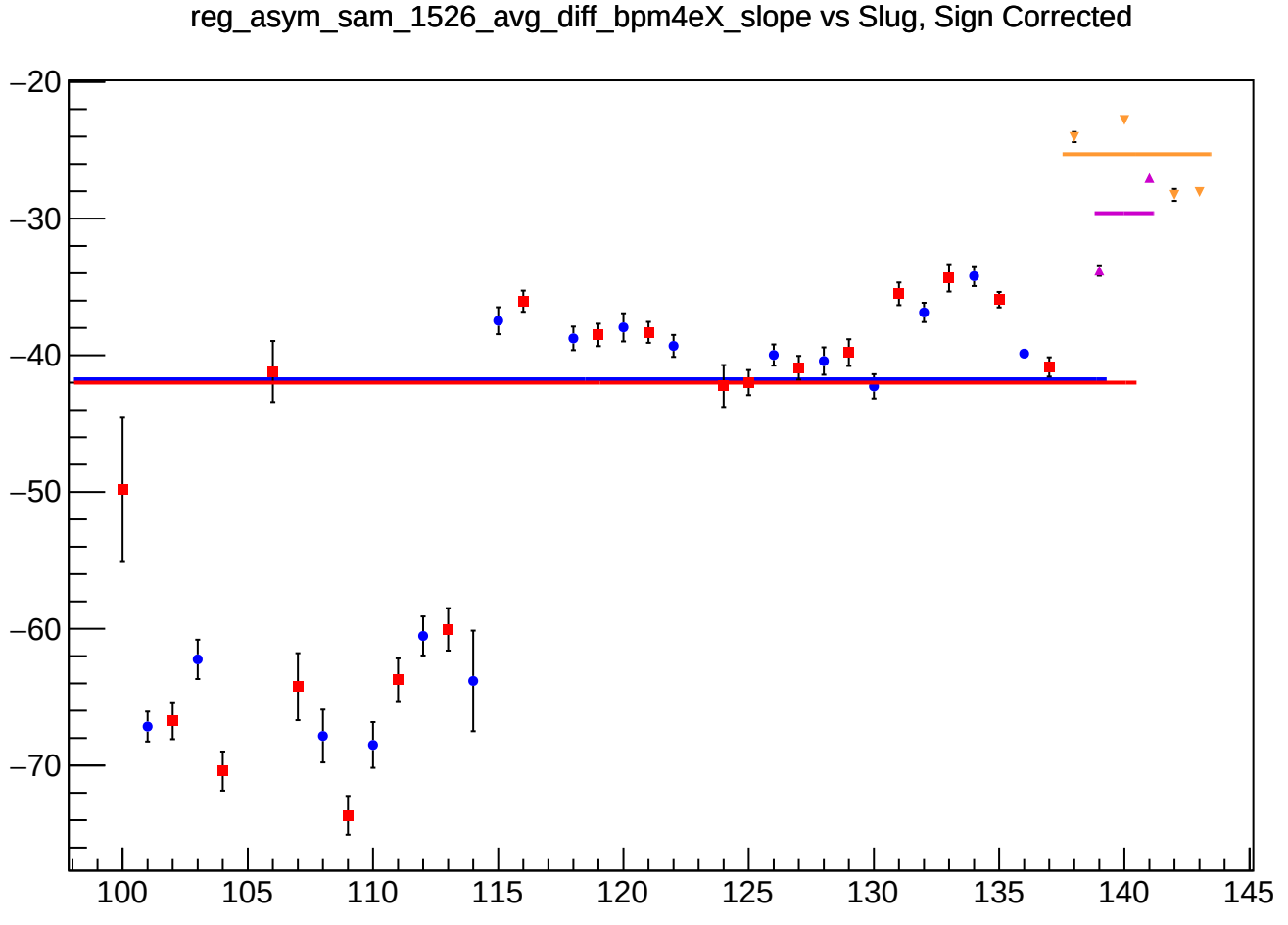
Left: 4.448+/-0.107 χ^2/NDF: 388.2/5

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.462+/-0.138 χ^2/NDF:3037.8/17

Out: 4.039+/-0.108 χ^2/NDF:2906.9/22

All: 3.441+/-0.085 χ^2/NDF: 6025.4/40



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -25.290+/-0.168 χ^2/NDF:215.8/3

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -29.608+/-0.237 χ^2/NDF:192.8/1

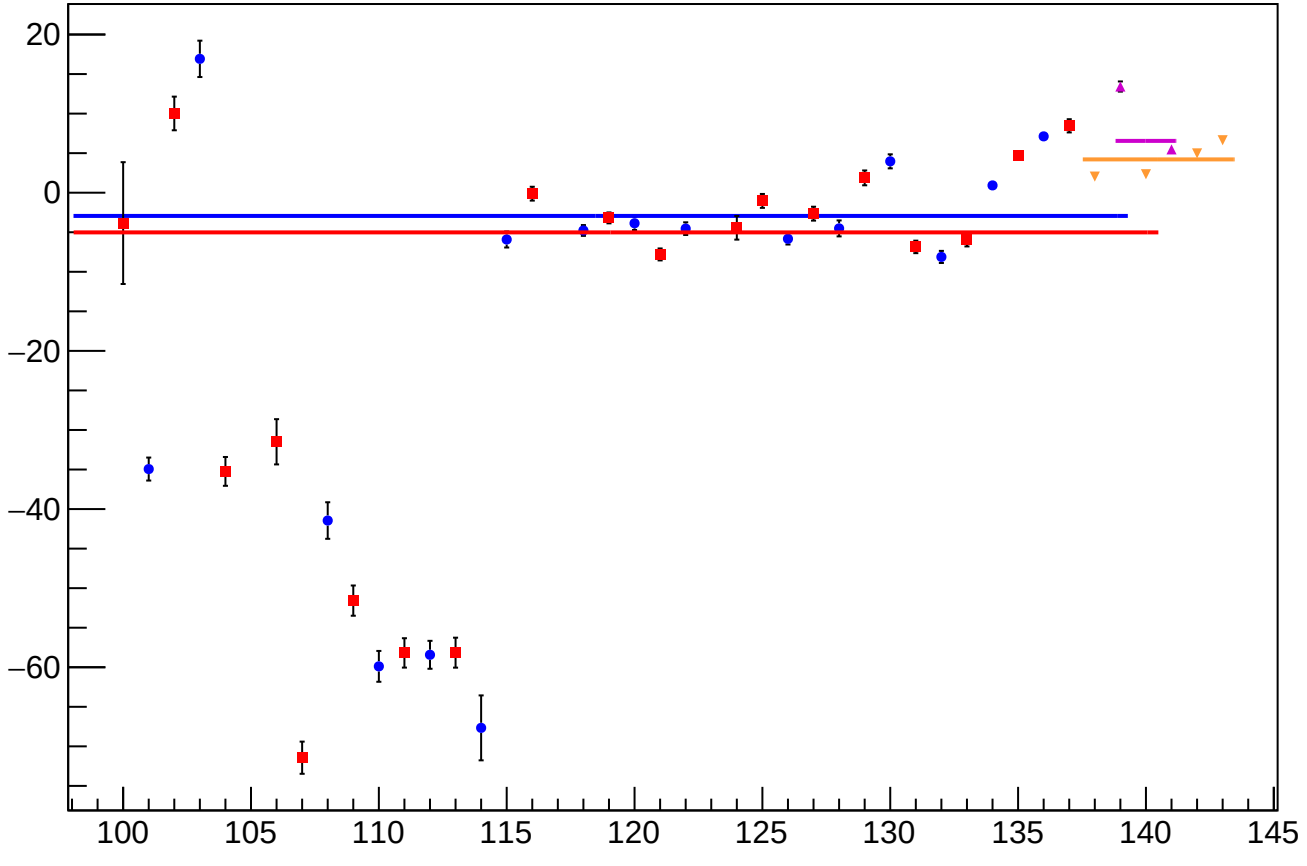
Left: -26.731+/-0.137 χ^2/NDF: 630.2/5

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -36.472+/-0.156 χ^2/NDF:3313.8/17

Out: -31.140+/-0.135 χ^2/NDF:5683.1/22

All: -33.423+/-0.102 χ^2/NDF: 9664.0/40



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 4.210+/-0.151 χ^2/NDF:169.8/3

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 6.550+/-0.236 χ^2/NDF:132.5/1

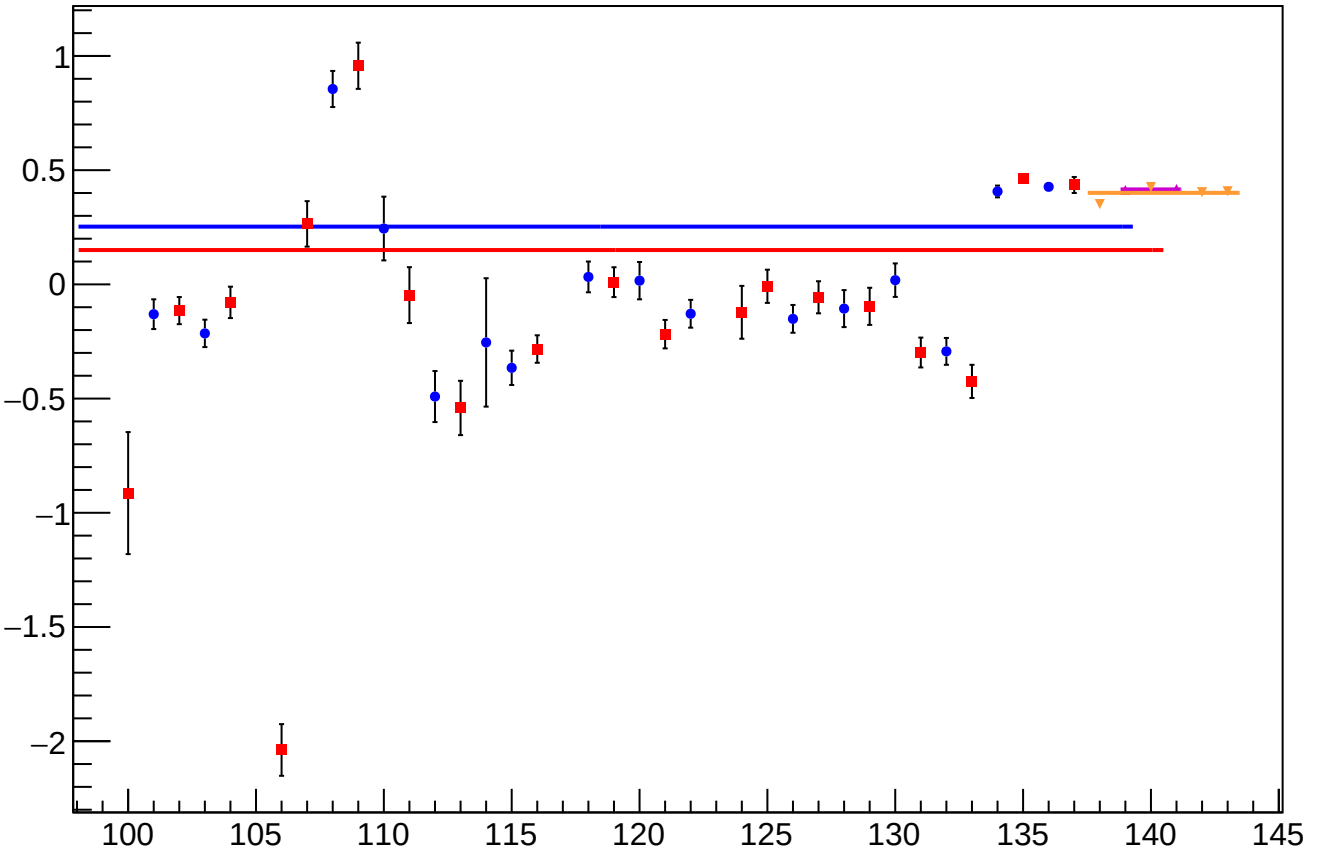
Left: 4.887+/-0.127 χ^2/NDF: 372.1/5

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 1.246+/-0.157 χ^2/NDF:4760.6/17

Out: 1.468+/-0.126 χ^2/NDF:5661.1/22

All: 1.381+/-0.098 χ^2/NDF: 10422.9/40



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.401+/-0.007 χ^2/NDF:15.5/3

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.416+/-0.009 χ^2/NDF:0.1/1

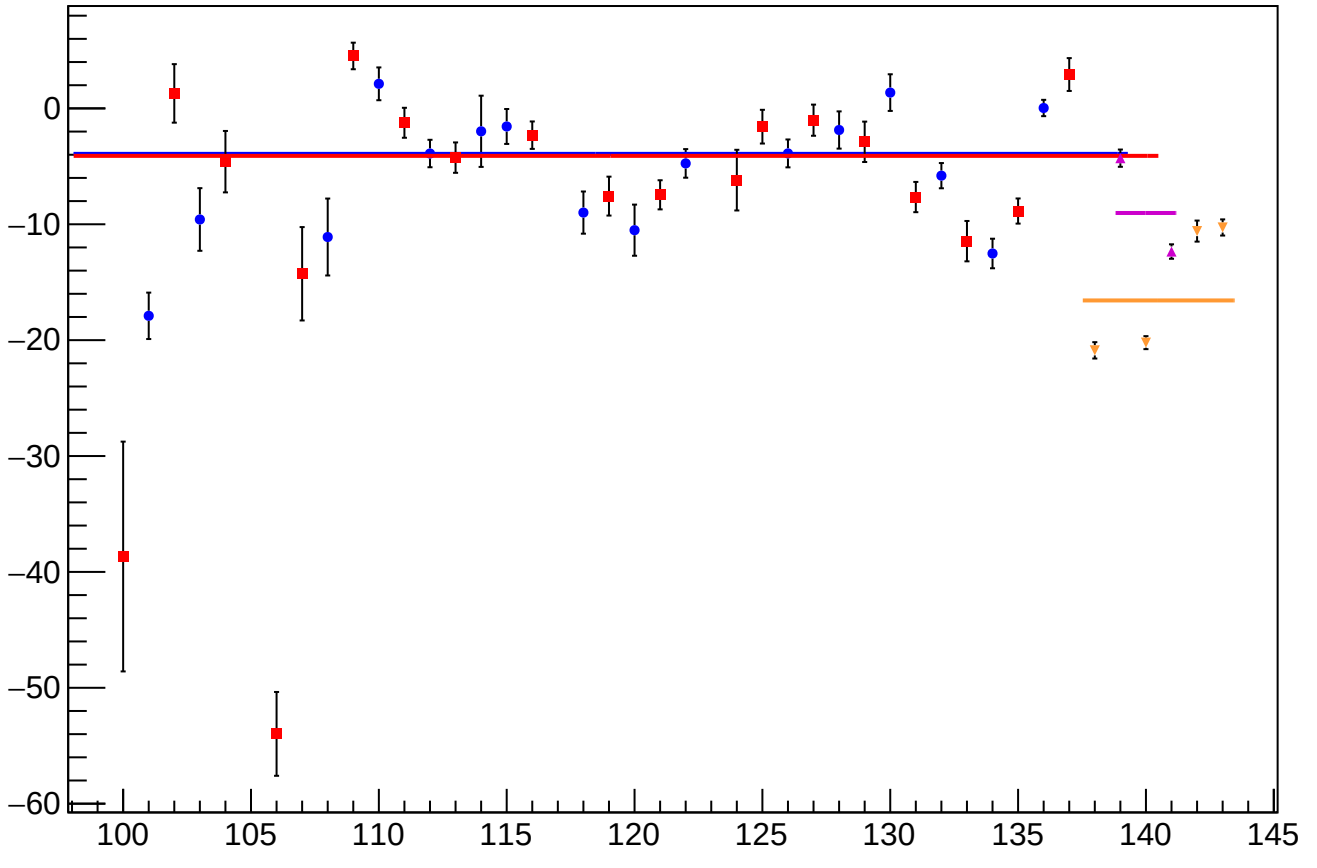
Left: 0.406+/-0.006 χ^2/NDF: 17.3/5

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.352+/-0.007 χ^2/NDF:754.0/17

Out: 0.346+/-0.006 χ^2/NDF:1307.9/22

All: 0.349+/-0.005 χ^2/NDF: 2062.3/40



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -16.573+/-0.344 χ^2/NDF:204.4/3

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: -14.003+/-0.279 χ^2/NDF: 437.1/5

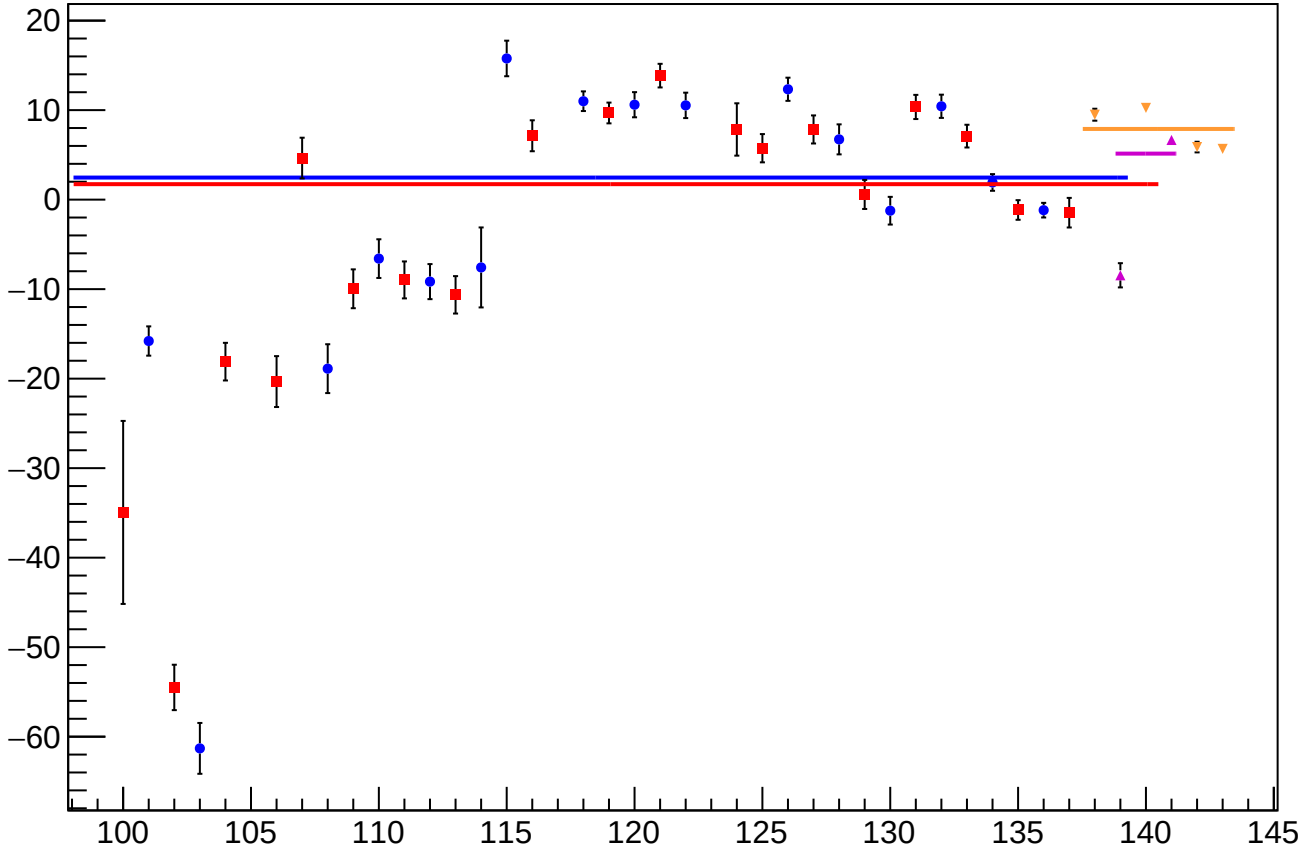
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -5.675+/-0.280 χ^2/NDF:332.2/17

Out: -10.564+/-0.248 χ^2/NDF:1205.1/22

All: -8.422+/-0.186 χ^2/NDF: 1708.1/40

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: 7.897+/-0.270 χ^2/NDF:63.0/3

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.141+/-0.430 χ^2/NDF:112.2/1

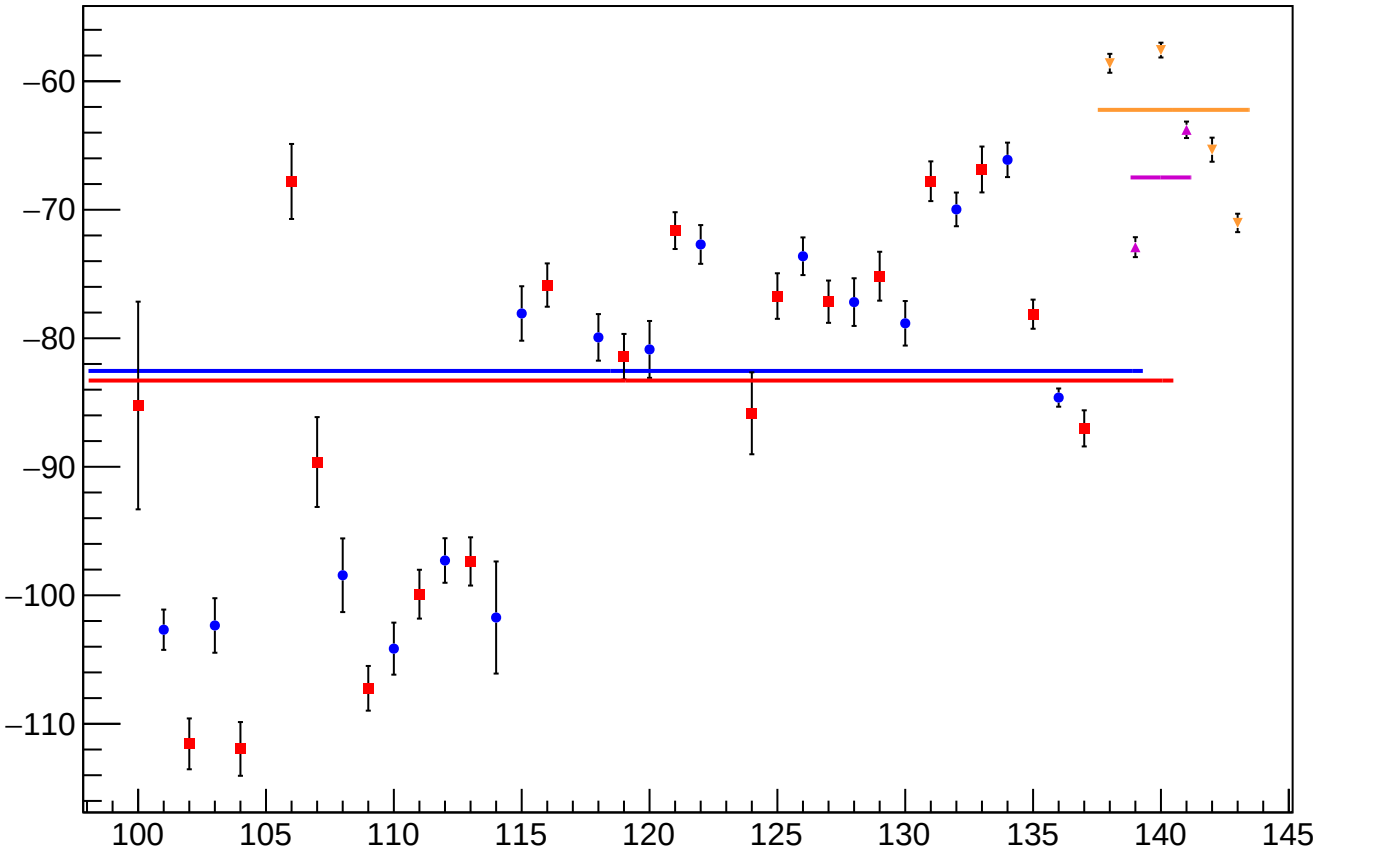
Left: 7.119+/-0.228 χ^2/NDF: 204.8/5

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.556+/-0.275 χ^2/NDF:1181.9/17

Out: 5.875+/-0.221 χ^2/NDF:1217.8/22

All: 4.963+/-0.172 χ^2/NDF: 2442.9/40



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -62.227+/-0.355 χ^2/NDF:250.9/3

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: -64.018+/-0.288 χ^2/NDF: 408.1/5

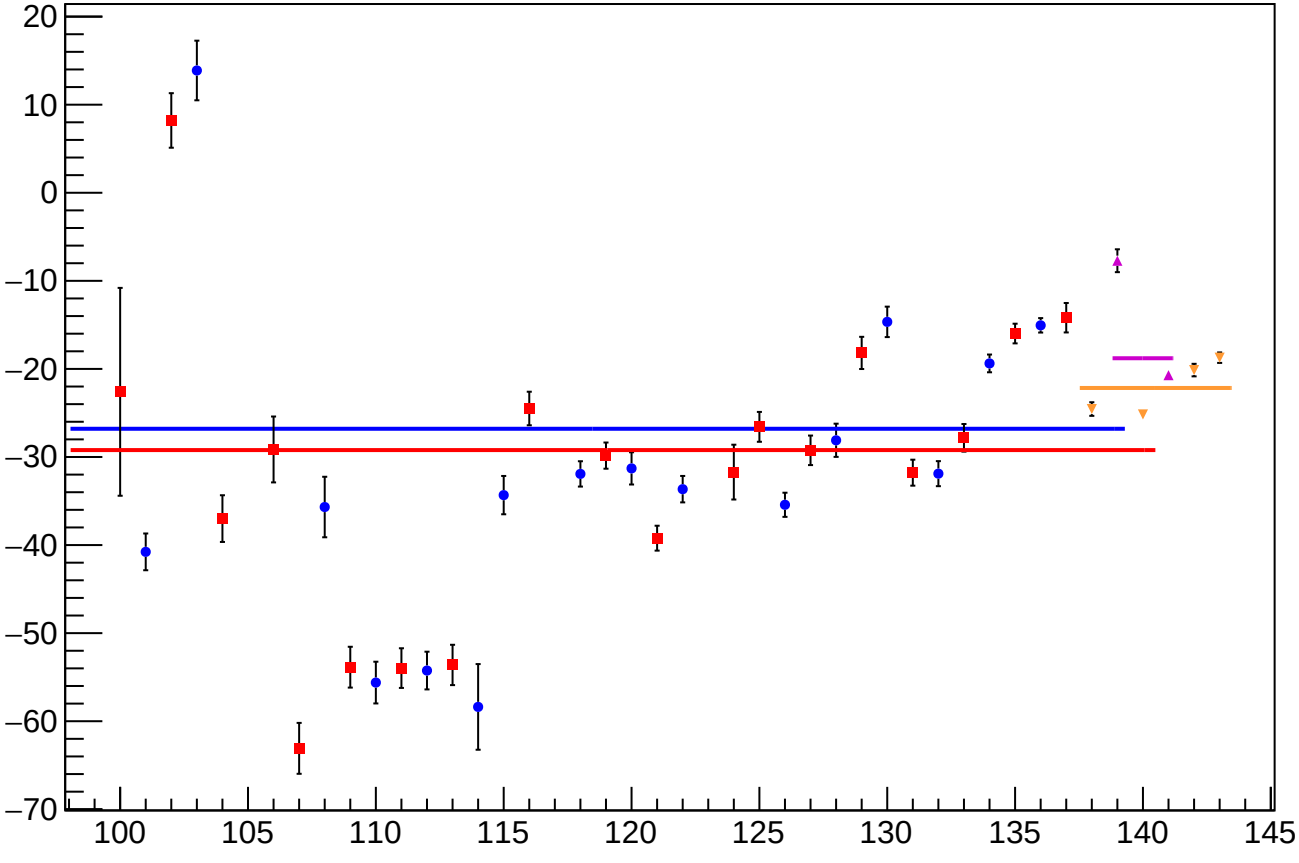
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -76.864+/-0.303 χ^2/NDF:1500.0/17

Out: -71.143+/-0.270 χ^2/NDF:2834.3/22

All: -73.668+/-0.201 χ^2/NDF: 4533.1/40

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: -22.163+/-0.321 χ^2/NDF:80.3/3

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -18.789+/-0.499 χ^2/NDF:85.3/1

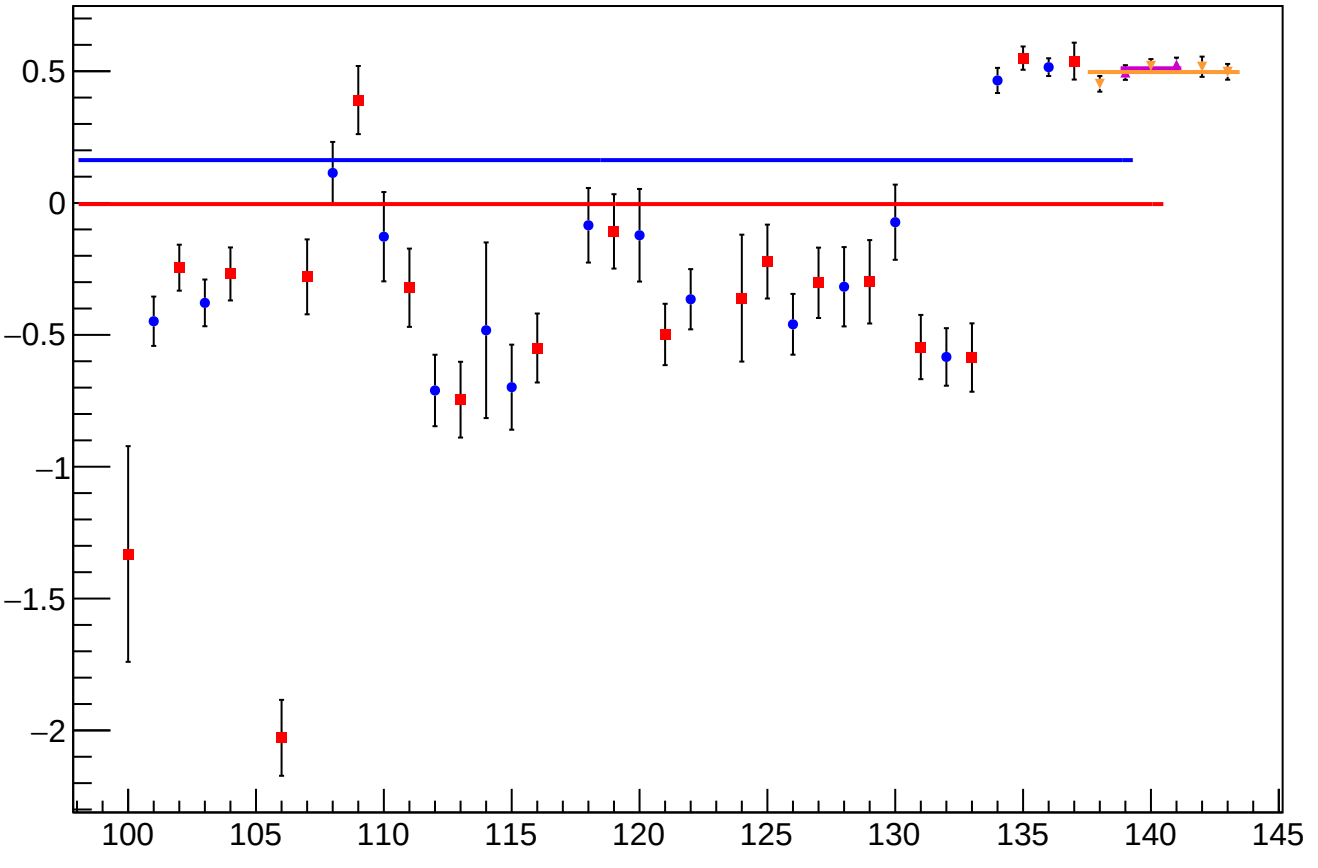
Left: -21.177+/-0.270 χ^2/NDF: 197.9/5

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -23.709+/-0.310 χ^2/NDF:1206.7/17

Out: -24.679+/-0.257 χ^2/NDF:1213.2/22

All: -24.283+/-0.198 χ^2/NDF: 2425.7/40



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.015 χ^2/NDF:3.4/3

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: 0.502+/-0.012 χ^2/NDF: 4.3/5

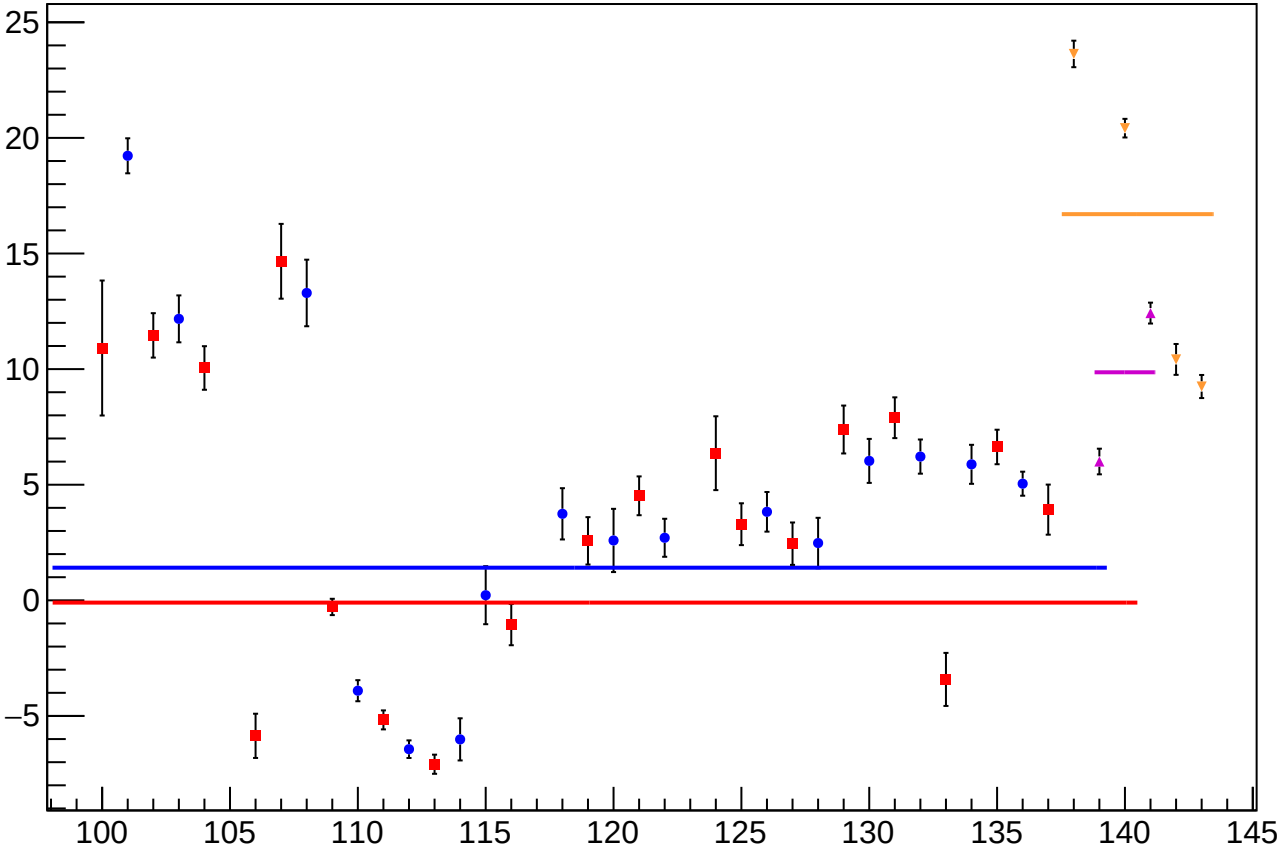
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.357+/-0.014 χ^2/NDF:570.6/17

Out: 0.359+/-0.013 χ^2/NDF:882.1/22

All: 0.358+/-0.010 χ^2/NDF: 1452.8/40

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 16.702+/-0.254 χ^2/NDF:542.7/3

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 9.863+/-0.350 χ^2/NDF:80.5/1

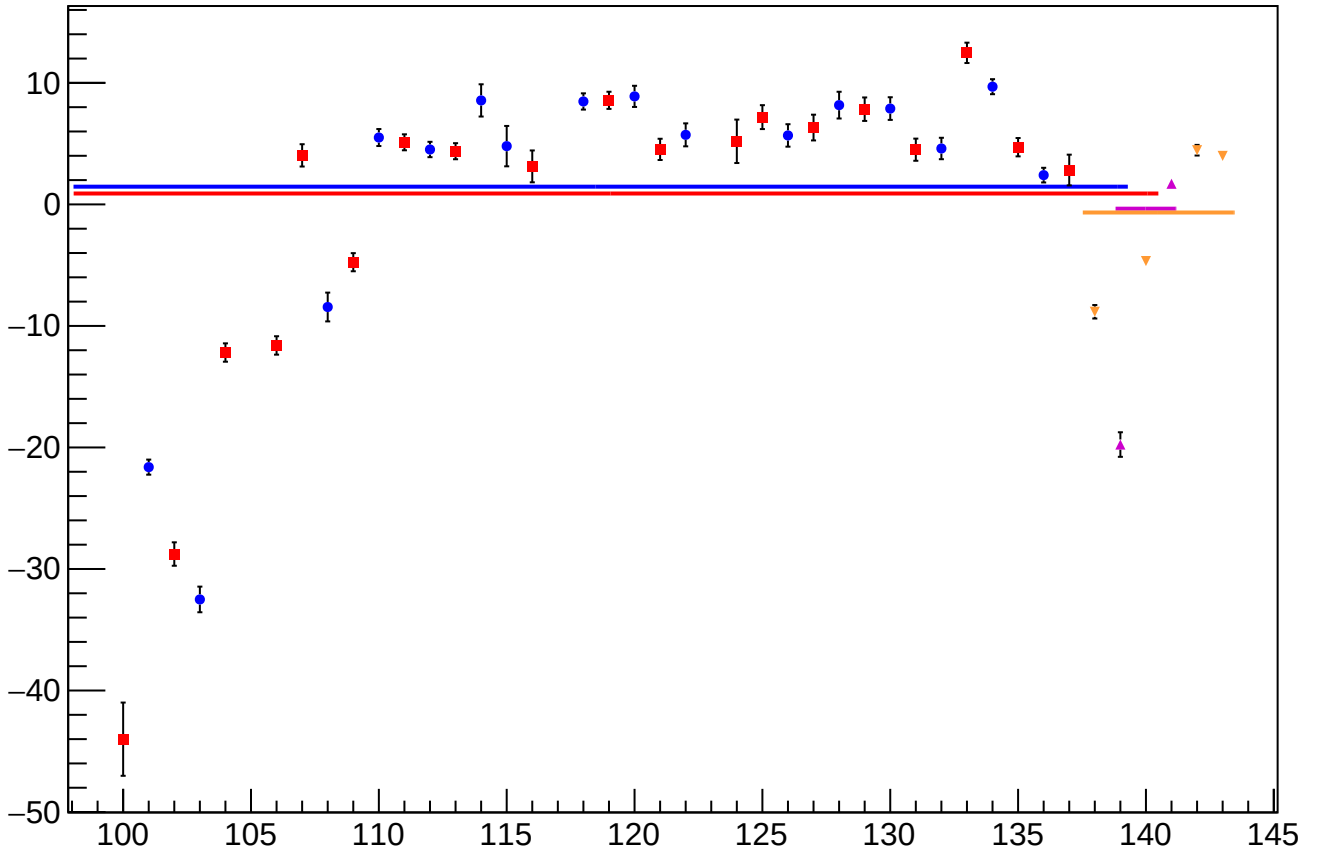
Left: 14.341+/-0.206 χ^2/NDF: 872.9/5

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 3.226+/-0.162 χ^2/NDF:2059.9/17

Out: 4.980+/-0.140 χ^2/NDF:4734.8/22

All: 4.233+/-0.106 χ^2/NDF: 6861.8/40



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: -0.667+/-0.199 χ^2/NDF:666.4/3

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: -0.352+/-0.313 χ^2/NDF:407.4/1

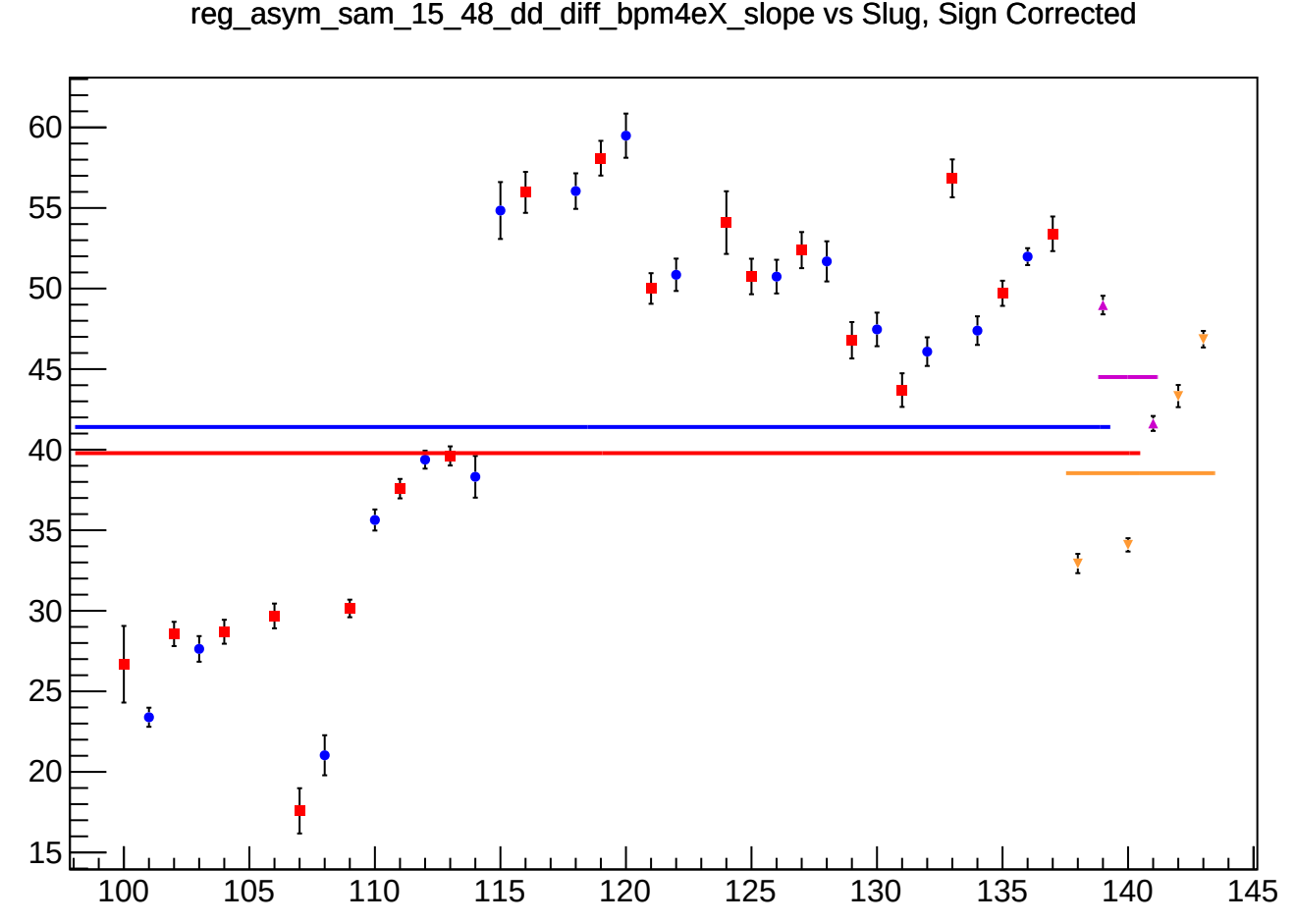
Left: -0.576+/-0.168 χ^2/NDF: 1074.5/5

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 0.920+/-0.170 χ^2/NDF:3511.2/17

Out: 0.103+/-0.142 χ^2/NDF:3073.9/22

All: 0.437+/-0.109 χ^2/NDF: 6598.7/40



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 38.542+/-0.262 χ^2/NDF:514.0/3

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 44.508+/-0.361 χ^2/NDF:98.5/1

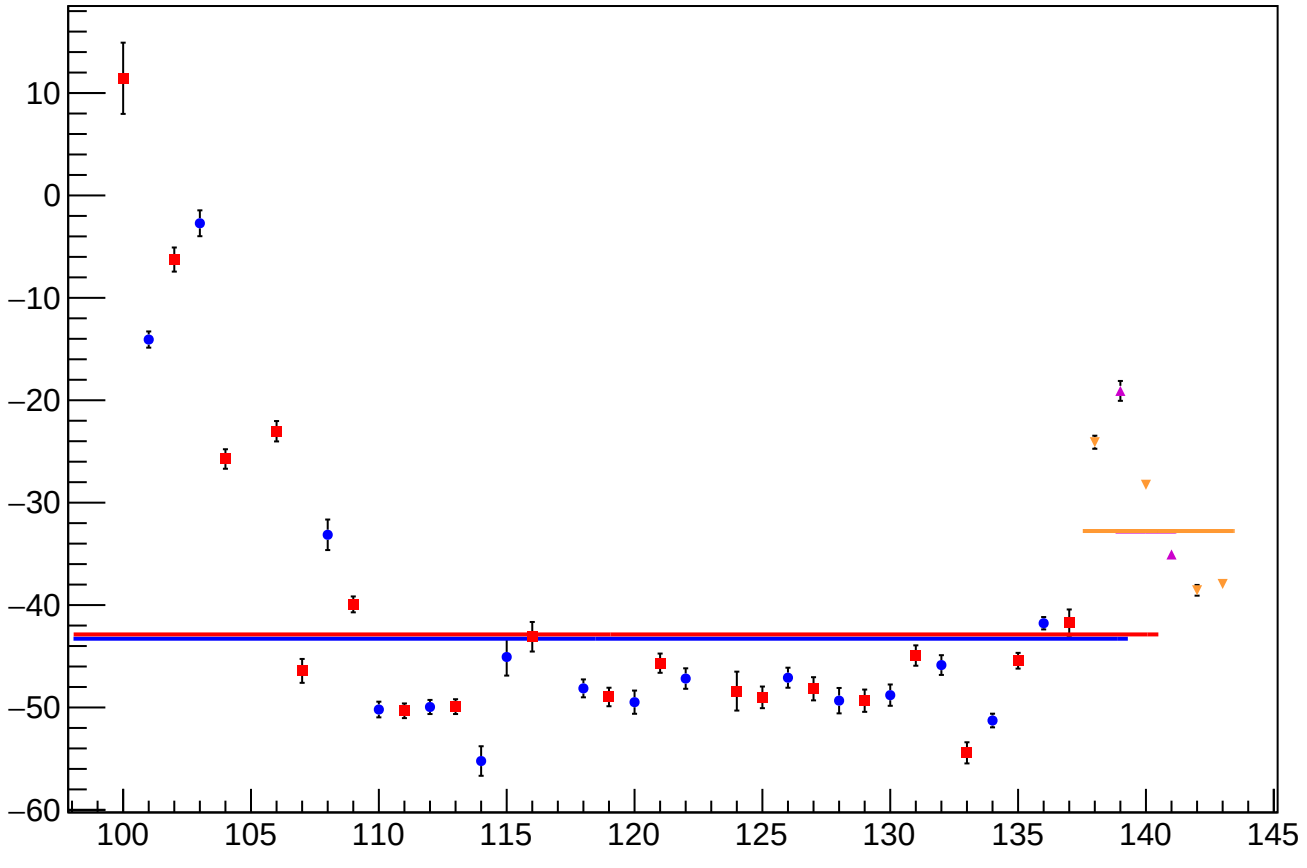
Left: 40.601+/-0.212 χ^2/NDF: 791.1/5

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 42.193+/-0.182 χ^2/NDF:2899.5/17

Out: 39.319+/-0.160 χ^2/NDF:3181.8/22

All: 40.577+/-0.120 χ^2/NDF: 6221.7/40



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.769+/-0.237 χ^2/NDF:581.2/3

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -32.822+/-0.363 χ^2/NDF:233.0/1

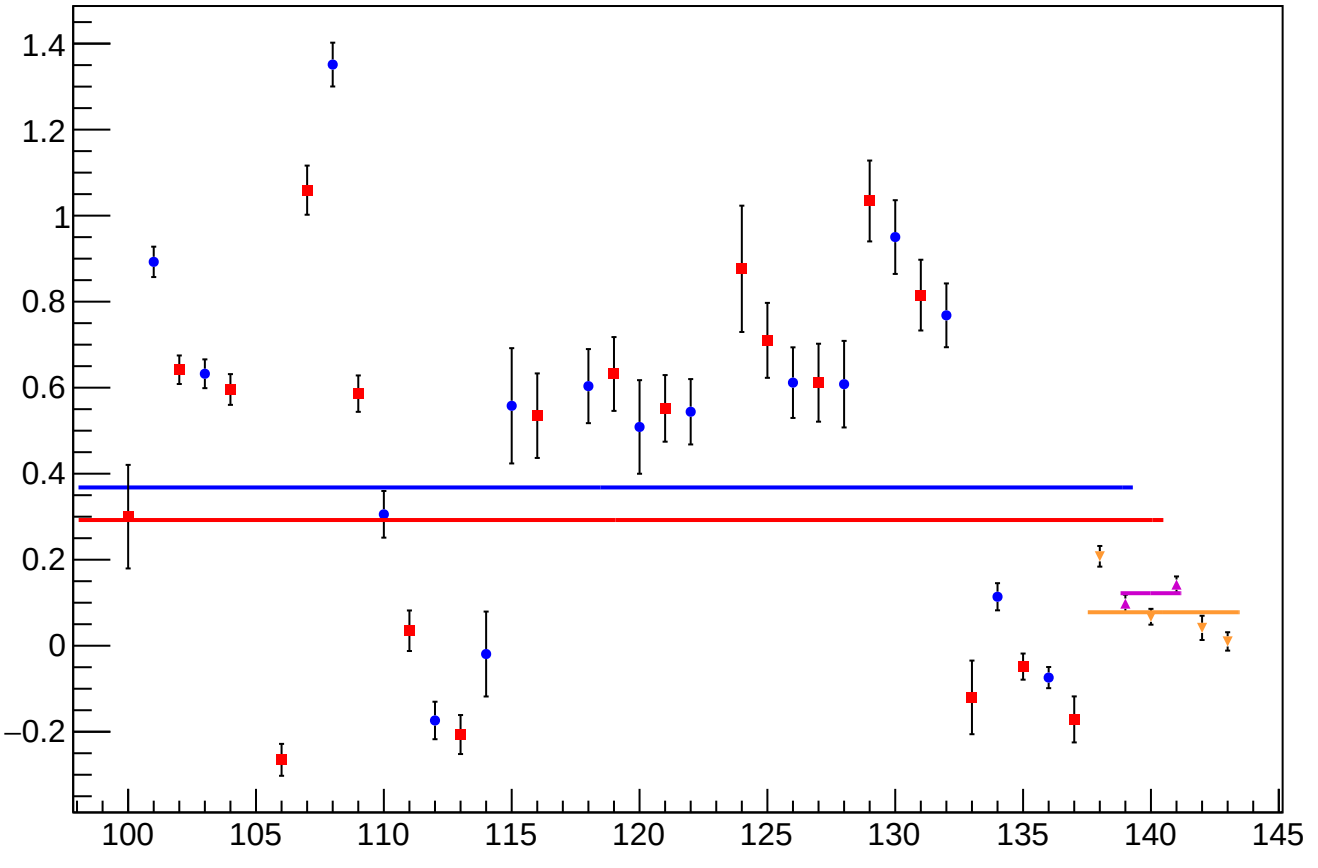
Left: -32.785+/-0.198 χ^2/NDF: 814.2/5

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -40.303+/-0.194 χ^2/NDF:3811.6/17

Out: -37.984+/-0.165 χ^2/NDF:3975.5/22

All: -38.955+/-0.125 χ^2/NDF: 7870.1/40



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.078+/-0.011 χ^2/NDF:41.3/3

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: 0.095+/-0.009 χ^2/NDF: 50.0/5

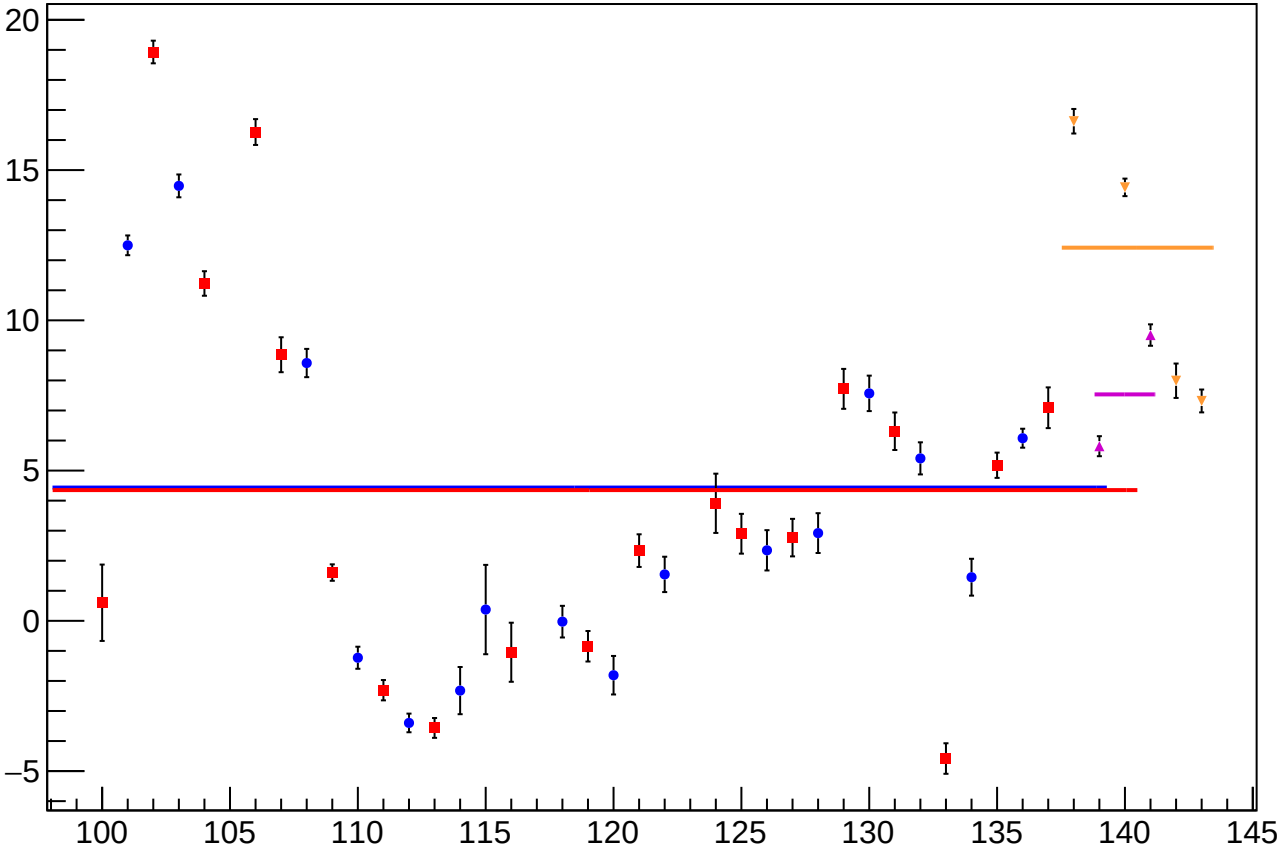
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.262+/-0.009 χ^2/NDF:1498.6/17

Out: 0.176+/-0.008 χ^2/NDF:1411.2/22

All: 0.214+/-0.006 χ^2/NDF: 2958.9/40

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 12.418+/-0.190 χ^2/NDF:393.2/3

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 7.536+/-0.244 χ^2/NDF:57.4/1

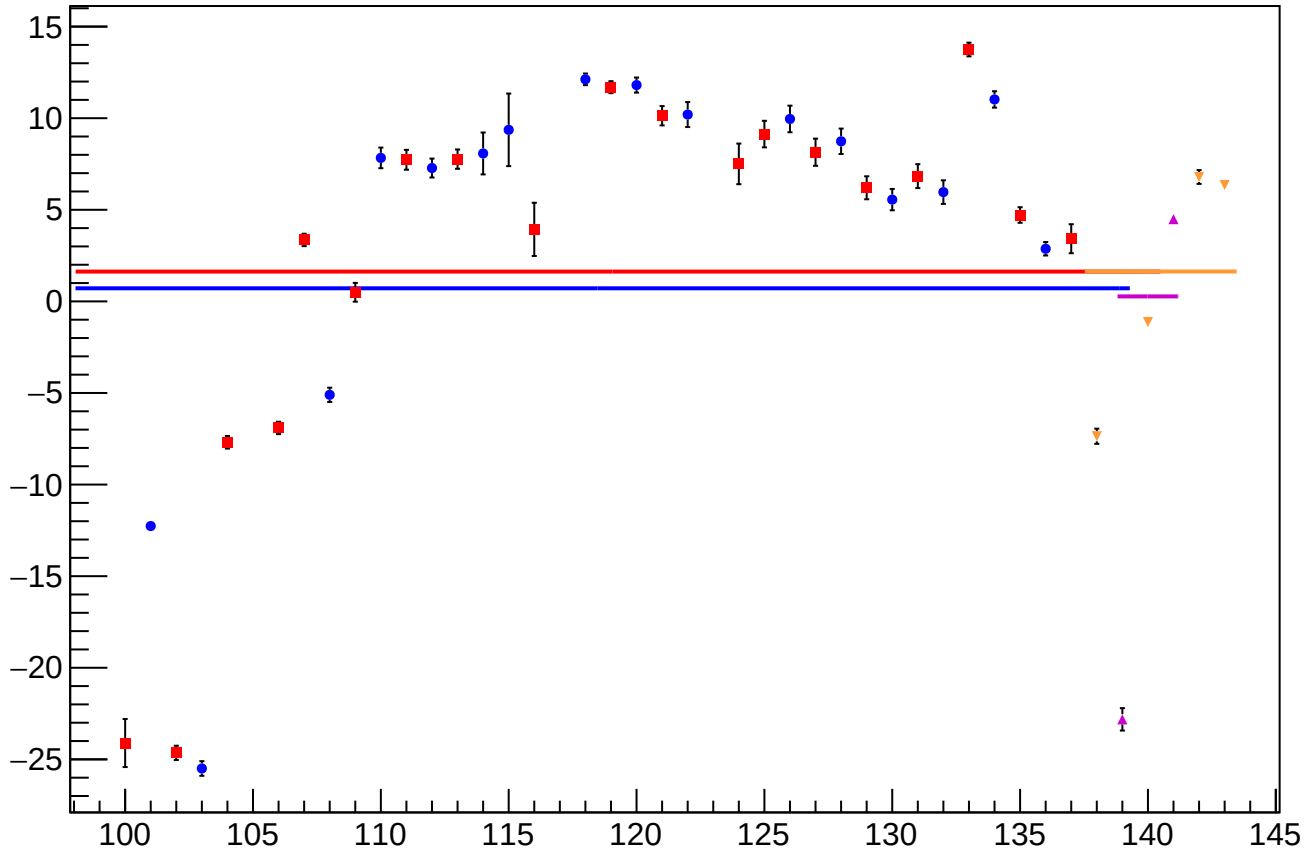
Left: 10.572+/-0.150 χ^2/NDF: 700.5/5

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.016+/-0.105 χ^2/NDF:2811.1/17

Out: 6.352+/-0.095 χ^2/NDF:5955.1/22

All: 5.756+/-0.070 χ^2/NDF: 8855.2/40



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 1.631+/-0.153 χ^2/NDF:1080.8/3

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 0.272+/-0.240 χ^2/NDF:1684.1/1

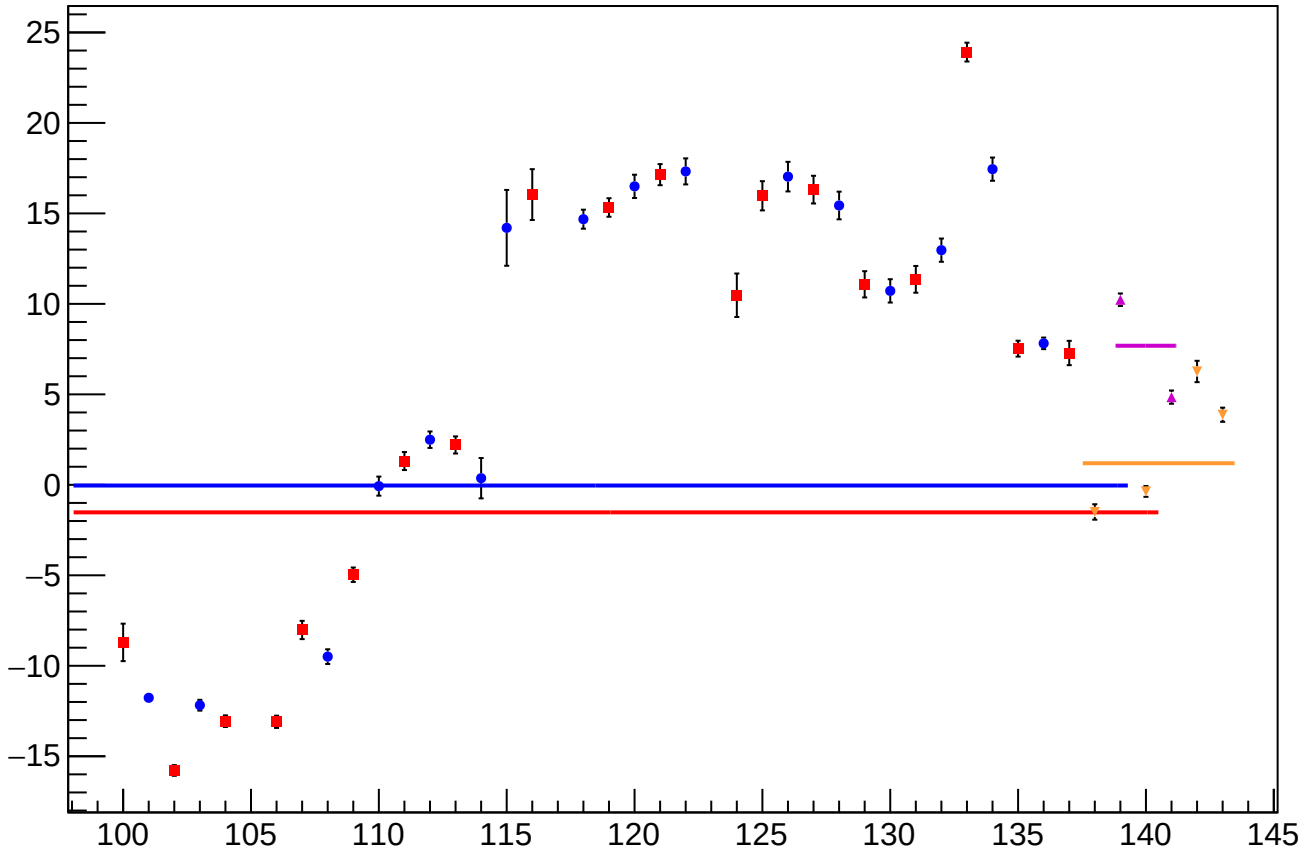
Left: 1.240+/-0.129 χ^2/NDF: 2787.6/5

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 0.631+/-0.104 χ^2/NDF:12140.8/17

Out: 1.628+/-0.090 χ^2/NDF:10336.4/22

All: 1.204+/-0.068 χ^2/NDF: 22529.5/40



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 1.193+/-0.196 χ^2/NDF:187.6/3

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 7.687+/-0.252 χ^2/NDF:114.0/1

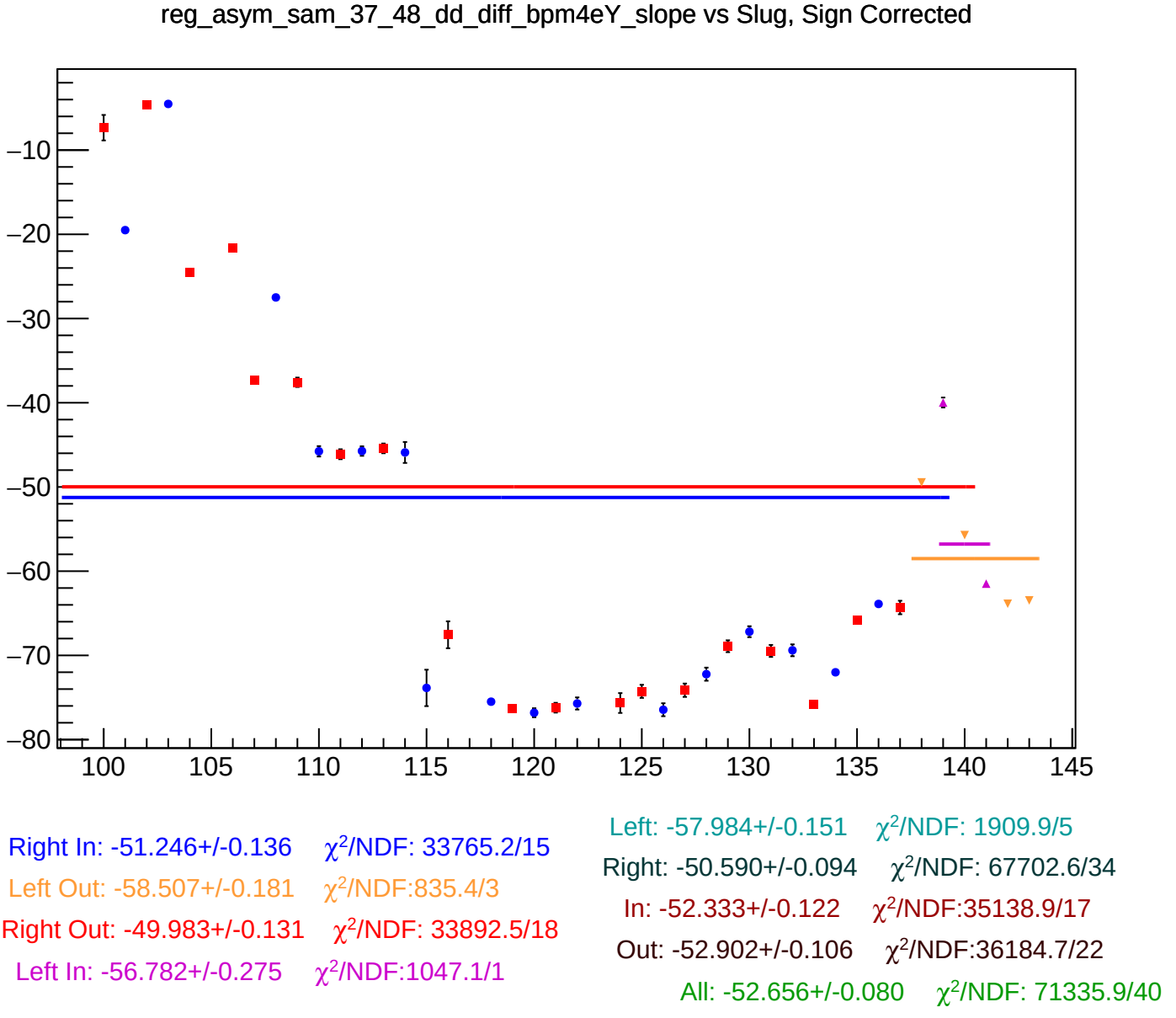
Left: 3.645+/-0.155 χ^2/NDF: 716.1/5

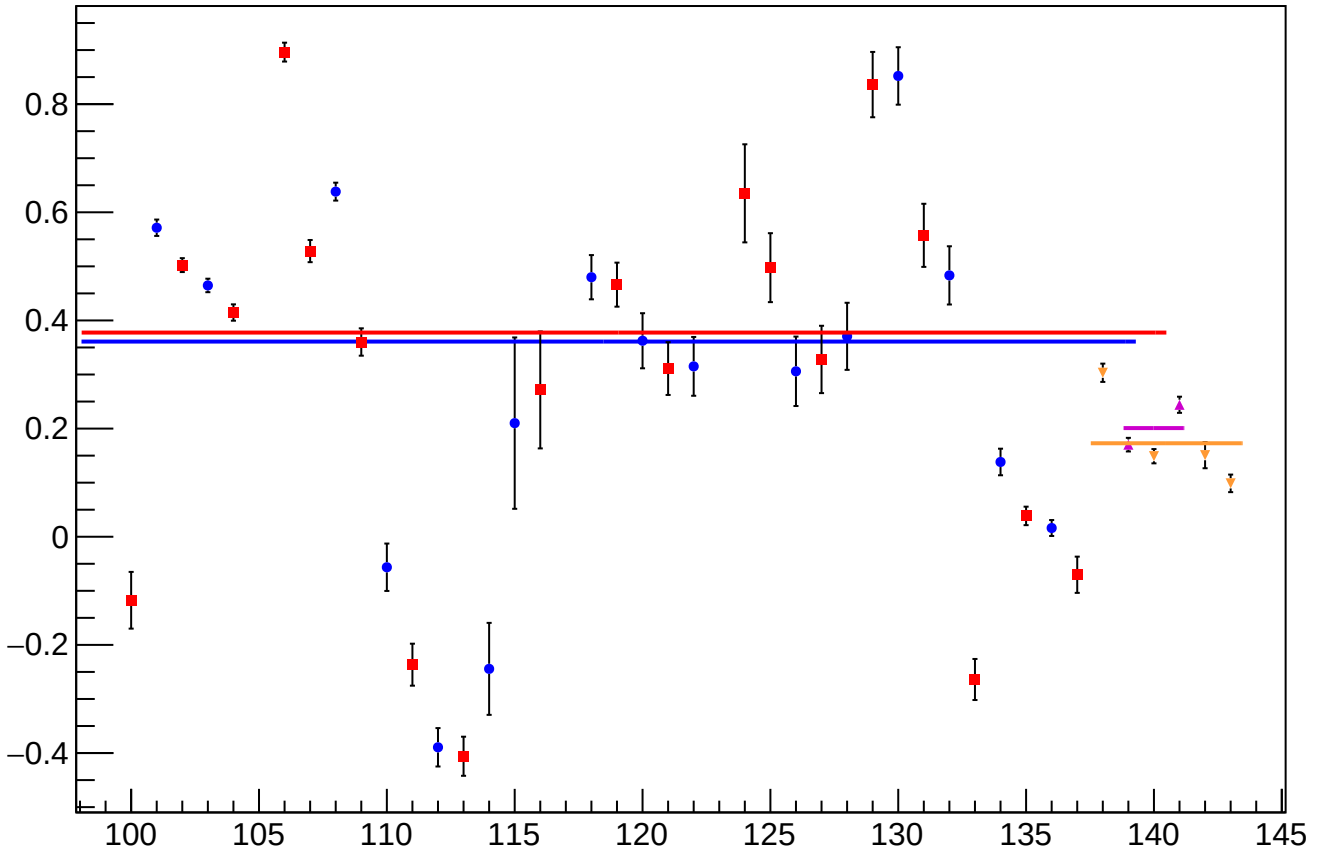
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 1.381+/-0.108 χ^2/NDF:10157.6/17

Out: -0.825+/-0.099 χ^2/NDF:12460.4/22

All: 0.186+/-0.073 χ^2/NDF: 22844.6/40


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
105
110
115
120
125
130
135
140
145
Right In: -51.246+/-0.136 χ²/NDF: 33765.2/15
Left Out: -58.507+/-0.181 χ²/NDF:835.4/3
Right Out: -49.983+/-0.131 χ²/NDF: 33892.5/18
Left In: -56.782+/-0.275 χ²/NDF:1047.1/1
Left: -57.984+/-0.151 χ²/NDF: 1909.9/5
Right: -50.590+/-0.094 χ²/NDF: 67702.6/34
In: -52.333+/-0.122 χ²/NDF:35138.9/17
Out: -52.902+/-0.106 χ²/NDF:36184.7/22
All: -52.656+/-0.080 χ²/NDF: 71335.9/40



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.173+/-0.008 χ^2/NDF:84.5/3

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.201+/-0.010 χ^2/NDF:14.3/1

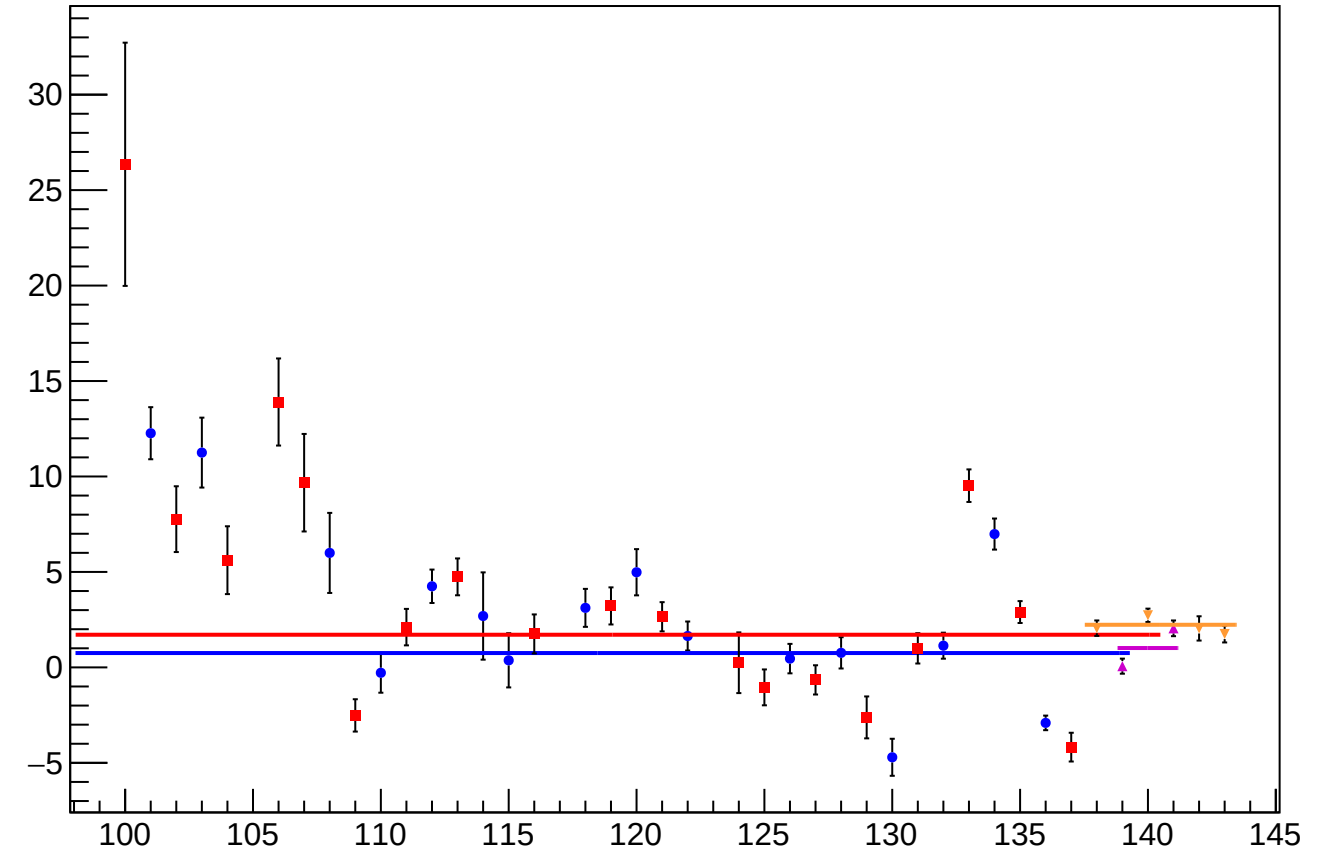
Left: 0.185+/-0.006 χ^2/NDF: 103.6/5

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.312+/-0.005 χ^2/NDF:2066.6/17

Out: 0.305+/-0.005 χ^2/NDF:3273.2/22

All: 0.308+/-0.004 χ^2/NDF: 5340.8/40



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.232+/-0.214 χ^2/NDF:3.5/3

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: 1.793+/-0.171 χ^2/NDF: 27.3/5

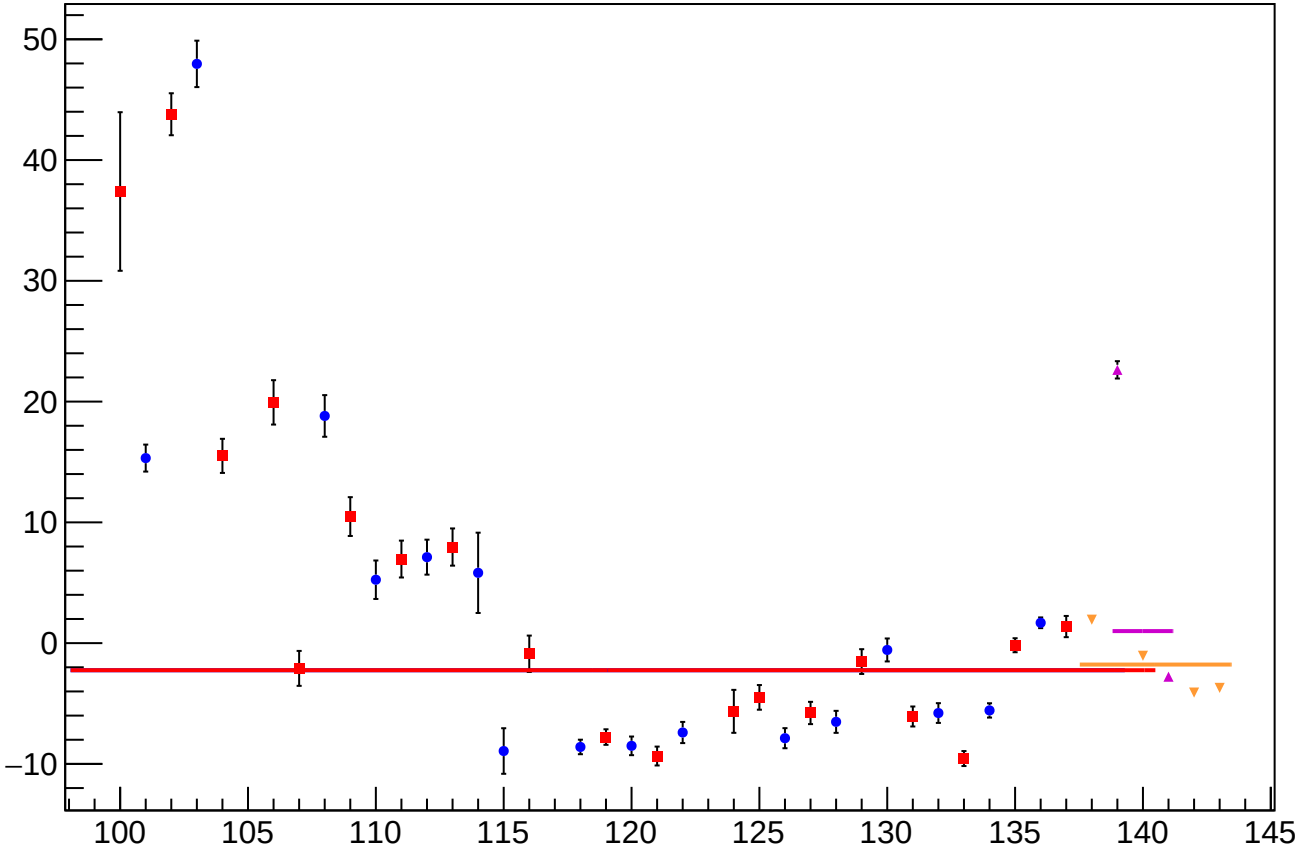
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.845+/-0.170 χ^2/NDF:342.7/17

Out: 1.982+/-0.154 χ^2/NDF:300.2/22

All: 1.469+/-0.114 χ^2/NDF: 667.4/40

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: -1.774+/-0.172 χ^2/NDF:162.0/3

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: -1.002+/-0.146 χ^2/NDF: 1300.5/5

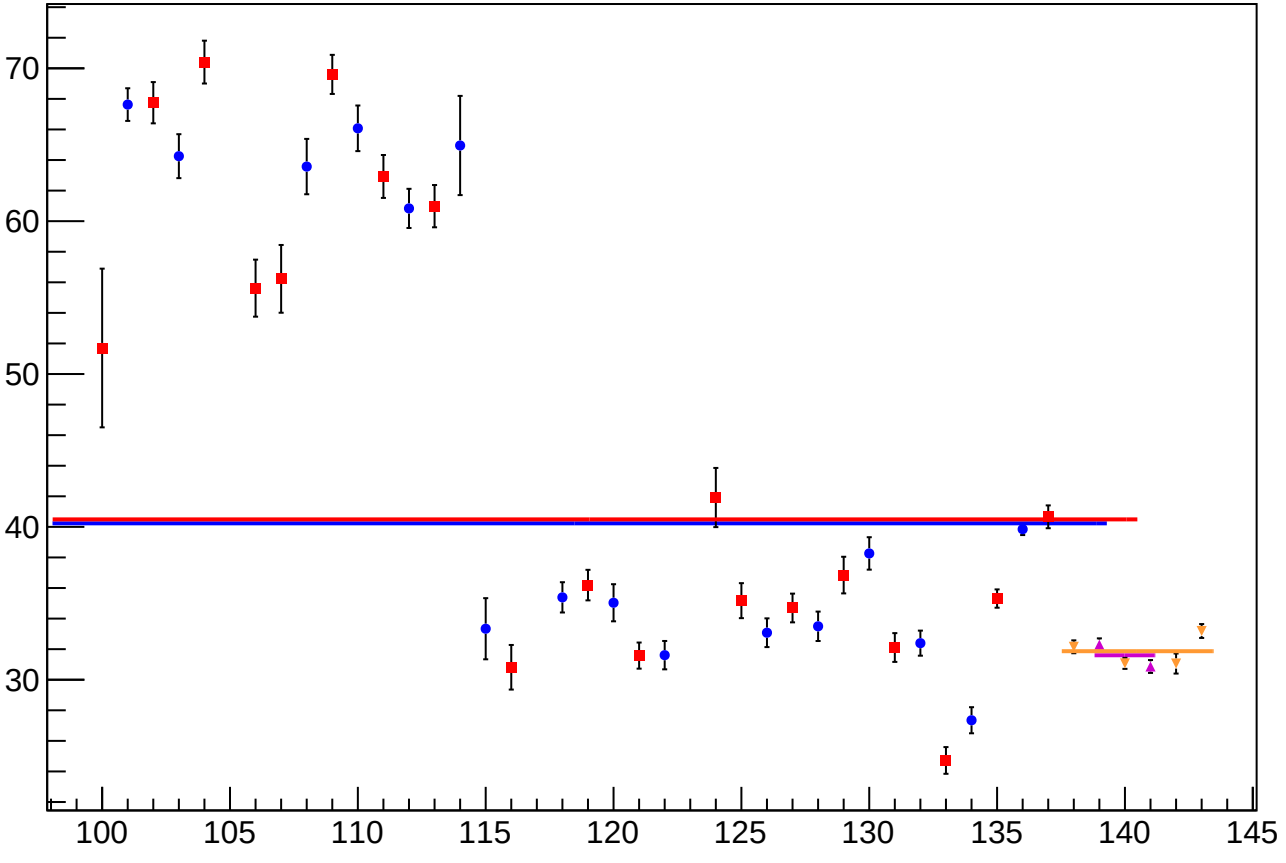
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -1.023+/-0.170 χ^2/NDF:2724.1/17

Out: -1.943+/-0.137 χ^2/NDF:1720.3/22

All: -1.579+/-0.107 χ^2/NDF: 4462.2/40

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 31.867+/-0.221 χ^2/NDF:15.3/3

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 31.601+/-0.294 χ^2/NDF:5.9/1

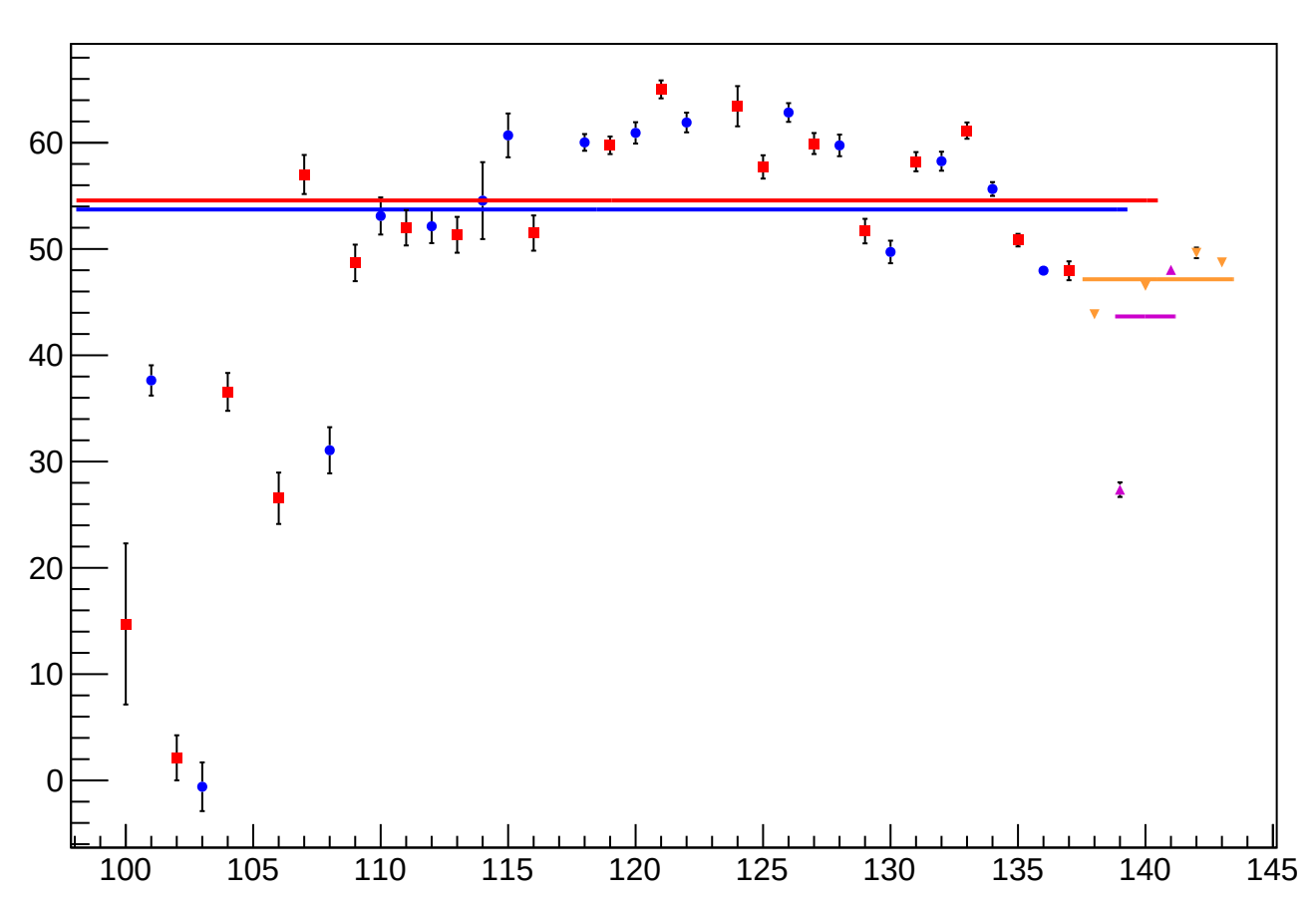
Left: 31.771+/-0.177 χ^2/NDF: 21.7/5

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 36.933+/-0.182 χ^2/NDF:2828.6/17

Out: 35.640+/-0.166 χ^2/NDF:3380.2/22

All: 36.226+/-0.122 χ^2/NDF: 6236.4/40



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 47.151+/-0.204 χ^2/NDF:98.3/3

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.655+/-0.317 χ^2/NDF:709.5/1

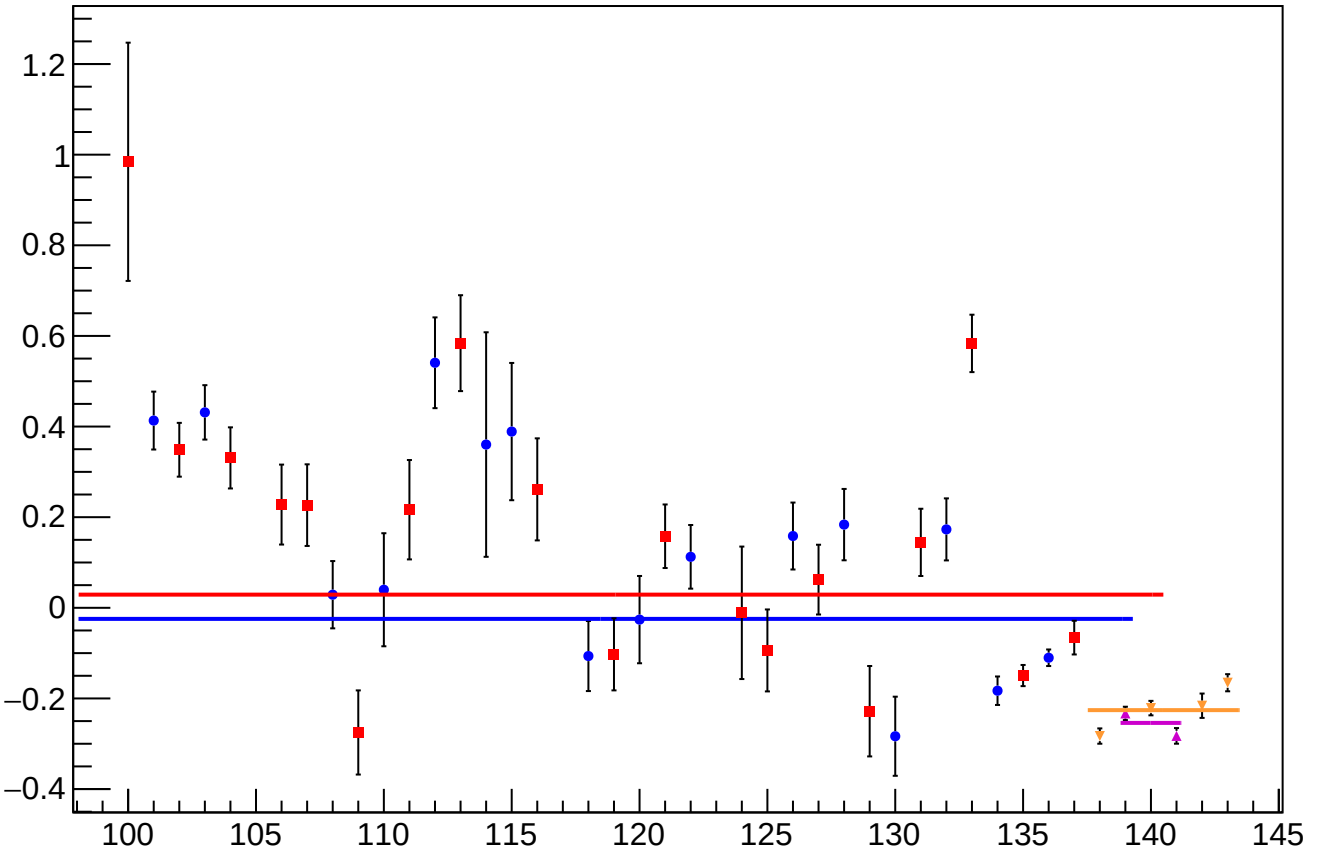
Left: 46.128+/-0.172 χ^2/NDF: 893.7/5

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 50.072+/-0.191 χ^2/NDF:2713.8/17

Out: 50.028+/-0.160 χ^2/NDF:1953.6/22

All: 50.046+/-0.122 χ^2/NDF: 4667.5/40



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.226+/-0.009 χ^2/NDF:21.9/3

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.254+/-0.011 χ^2/NDF:4.8/1

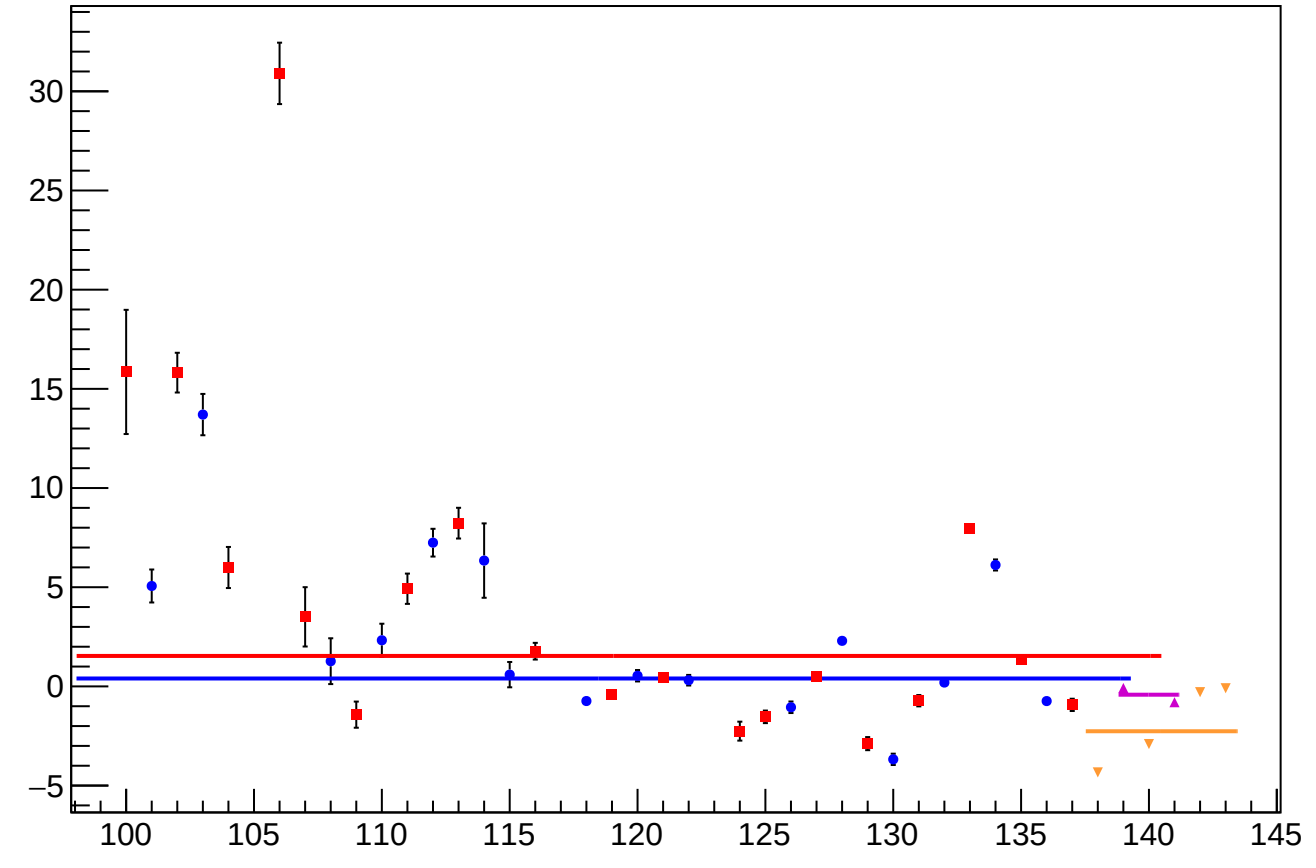
Left: -0.237+/-0.007 χ^2/NDF: 30.4/5

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.154+/-0.008 χ^2/NDF:416.3/17

Out: -0.150+/-0.008 χ^2/NDF:523.0/22

All: -0.152+/-0.006 χ^2/NDF: 939.5/40



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -2.261+/-0.080 χ^2/NDF:416.4/3

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.419+/-0.100 χ^2/NDF:12.8/1

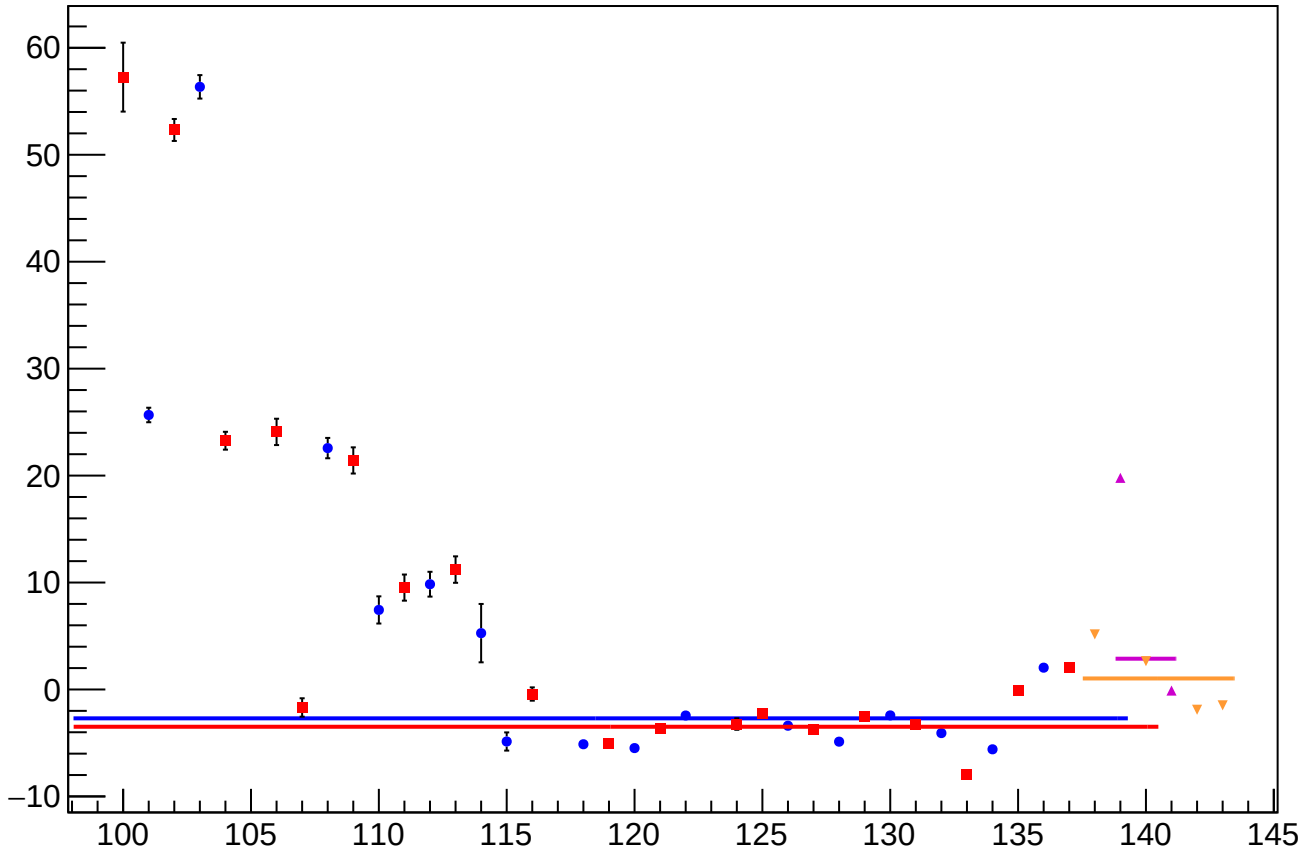
Left: -1.545+/-0.062 χ^2/NDF: 635.7/5

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.095+/-0.061 χ^2/NDF:1151.9/17

Out: -0.321+/-0.056 χ^2/NDF:3981.2/22

All: -0.132+/-0.041 χ^2/NDF: 5158.4/40



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 1.030+/-0.064 χ^2/NDF:1627.3/3

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: 2.877+/-0.098 χ^2/NDF:5200.1/1

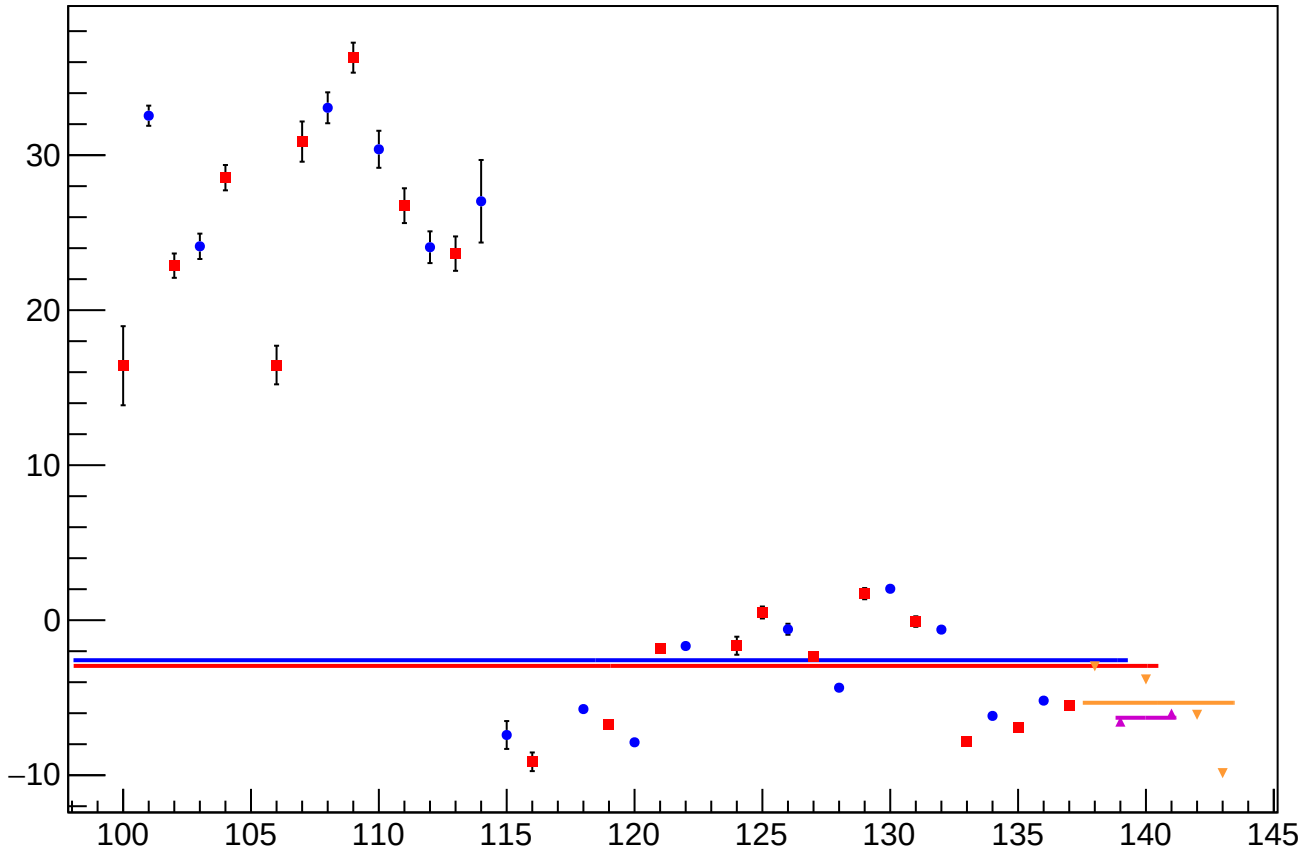
Left: 1.582+/-0.054 χ^2/NDF: 7074.5/5

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.800+/-0.057 χ^2/NDF:14420.6/17

Out: -1.006+/-0.048 χ^2/NDF:11017.5/22

All: -0.922+/-0.037 χ^2/NDF: 25445.8/40



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.327+/-0.082 χ^2/NDF:1042.1/3

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.294+/-0.103 χ^2/NDF:6.3/1

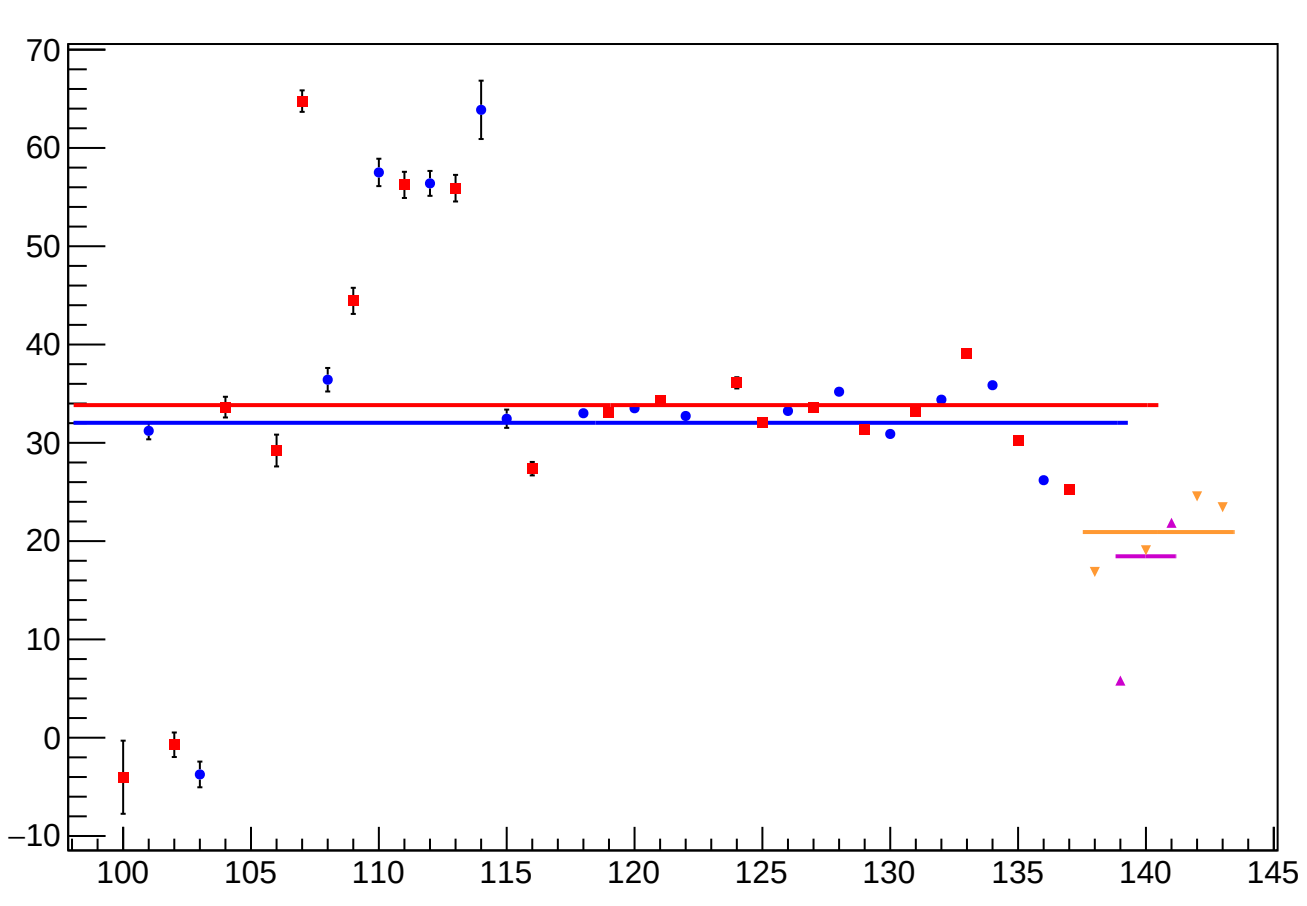
Left: -5.702+/-0.064 χ^2/NDF: 1101.8/5

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -4.037+/-0.065 χ^2/NDF:8948.3/17

Out: -4.173+/-0.059 χ^2/NDF:9642.2/22

All: -4.111+/-0.044 χ^2/NDF: 18592.9/40



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.923+/-0.076 χ^2/NDF:1363.8/3

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.457+/-0.113 χ^2/NDF:3398.6/1

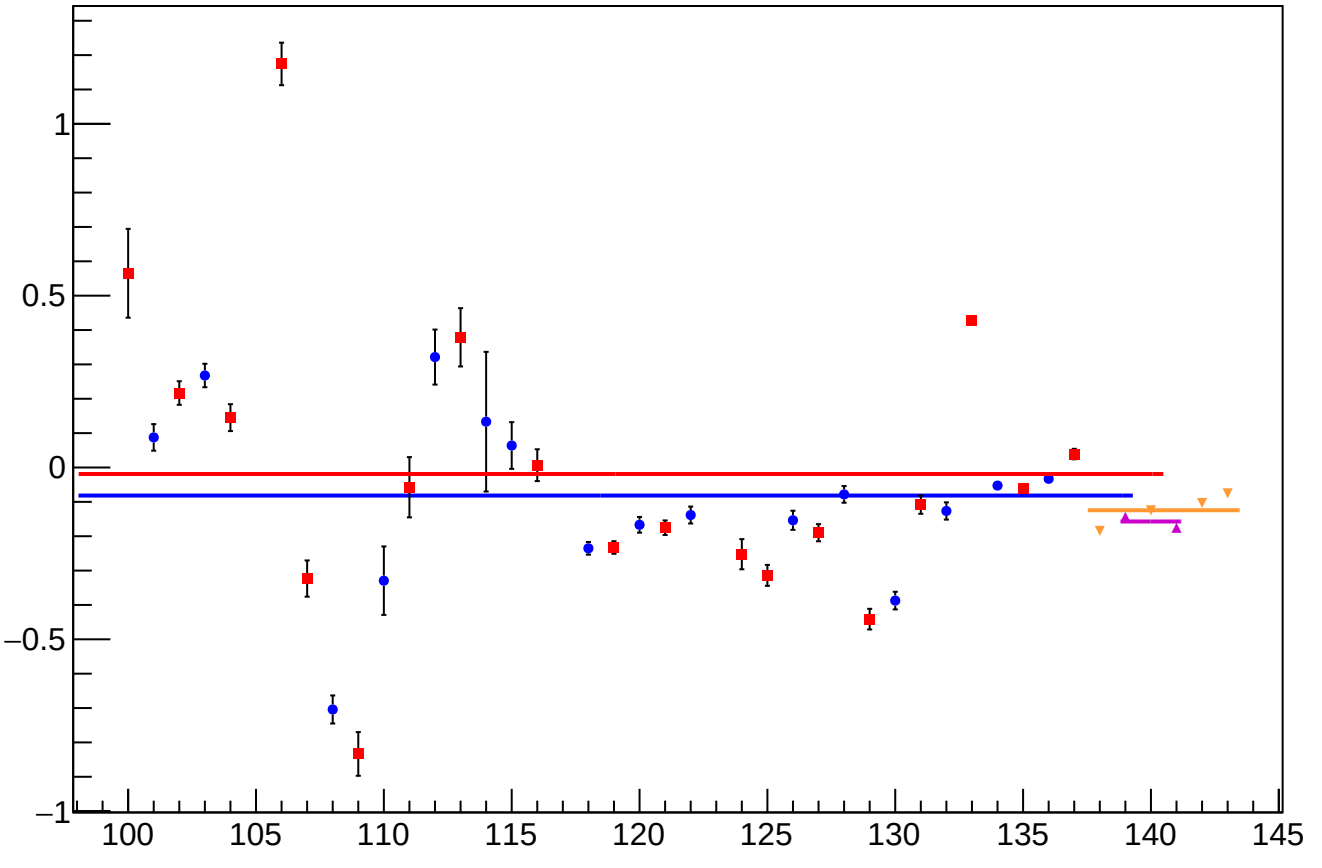
Left: 20.149+/-0.063 χ^2/NDF: 5091.3/5

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 27.387+/-0.066 χ^2/NDF:16214.0/17

Out: 26.934+/-0.056 χ^2/NDF:18983.2/22

All: 27.123+/-0.043 χ^2/NDF: 35224.7/40



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.124+/-0.003 χ^2/NDF:124.1/3

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.157+/-0.004 χ^2/NDF:15.6/1

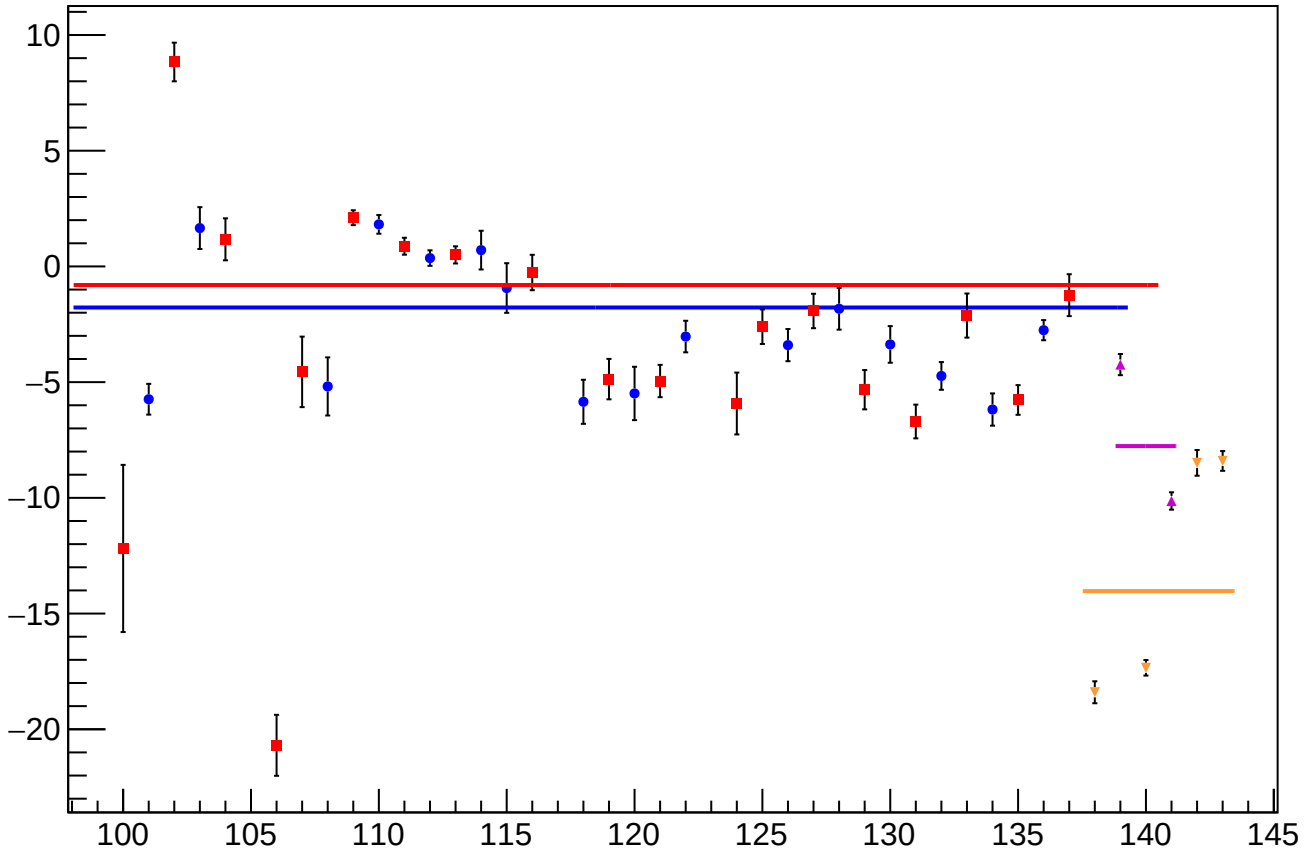
Left: -0.139+/-0.003 χ^2/NDF: 178.1/5

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.127+/-0.003 χ^2/NDF:850.4/17

Out: -0.092+/-0.003 χ^2/NDF:2682.2/22

All: -0.108+/-0.002 χ^2/NDF: 3600.8/40



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -14.029+/-0.213 χ^2/NDF:455.9/3

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -7.763+/-0.290 χ^2/NDF:99.4/1

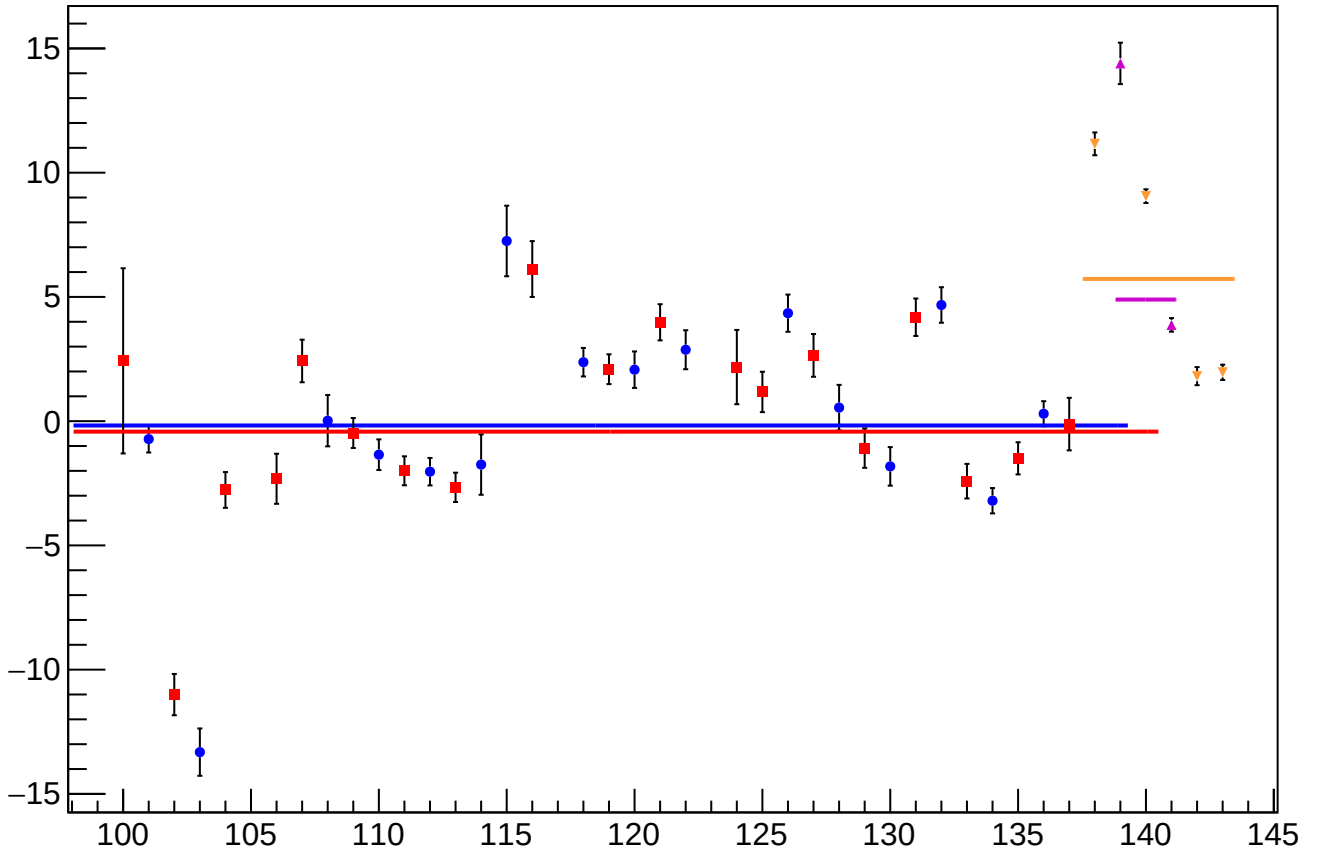
Left: -11.834+/-0.172 χ^2/NDF: 859.0/5

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.135+/-0.138 χ^2/NDF:727.0/17

Out: -5.126+/-0.122 χ^2/NDF:3788.5/22

All: -4.256+/-0.091 χ^2/NDF: 4632.3/40



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 5.725+/-0.167 χ^2/NDF:550.3/3

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: 5.481+/-0.140 χ^2/NDF: 701.6/5

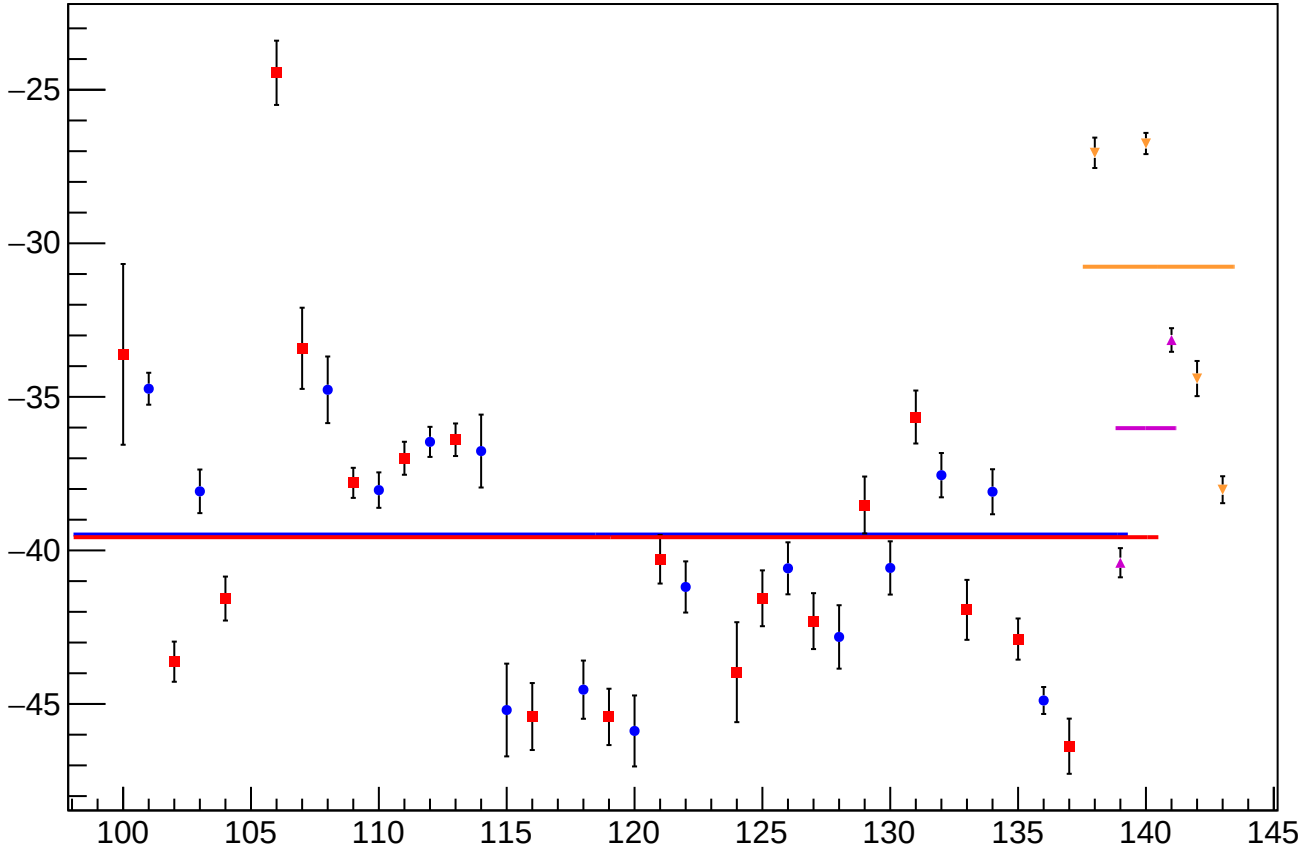
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.387+/-0.144 χ^2/NDF:811.5/17

Out: 2.838+/-0.121 χ^2/NDF:1554.3/22

All: 2.234+/-0.093 χ^2/NDF: 2425.1/40

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: -30.762+/-0.220 χ^2/NDF:506.0/3

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: -32.604+/-0.177 χ^2/NDF: 847.4/5

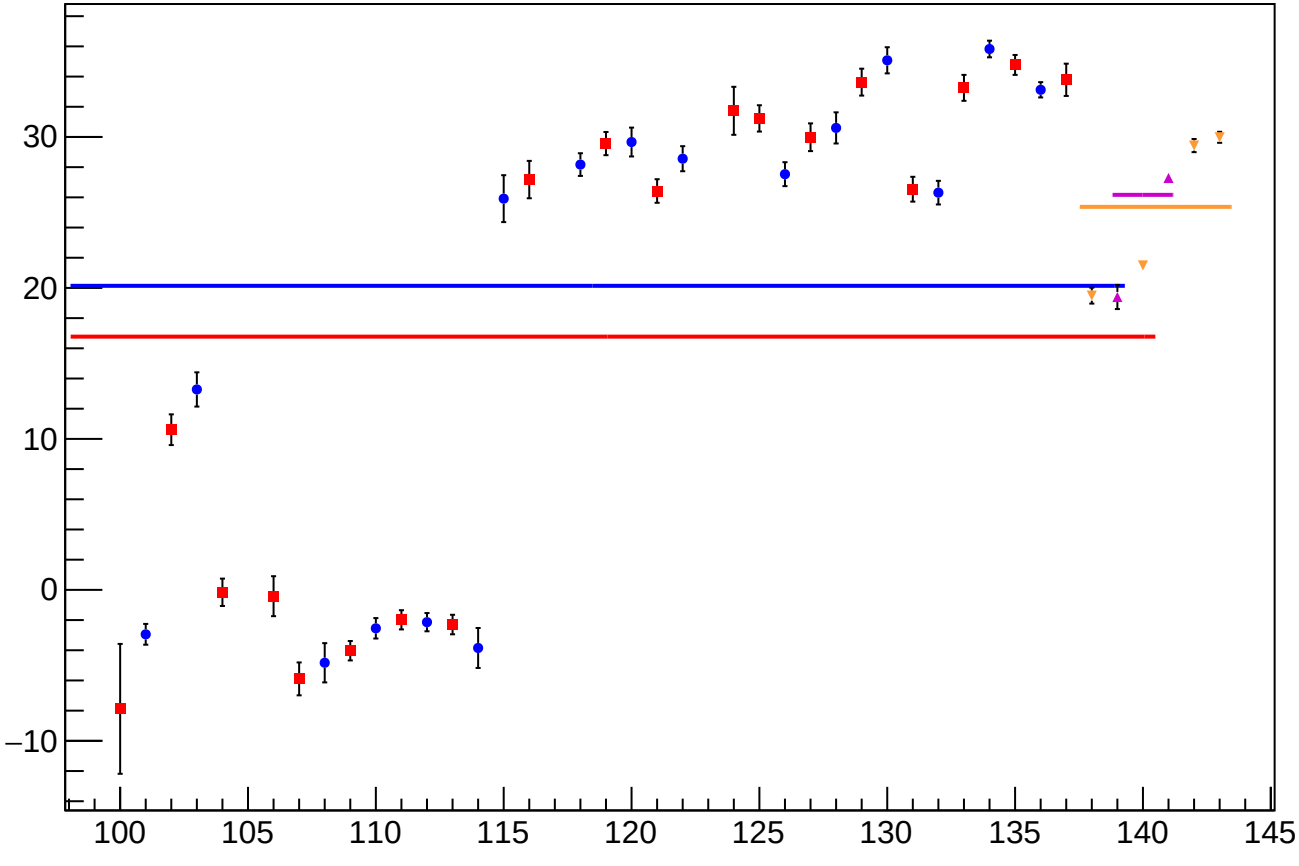
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -38.561+/-0.154 χ^2/NDF:648.4/17

Out: -36.007+/-0.140 χ^2/NDF:2017.5/22

All: -37.157+/-0.104 χ^2/NDF: 2816.3/40

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 25.371+/-0.198 χ^2/NDF:506.4/3

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.166+/-0.301 χ^2/NDF:83.3/1

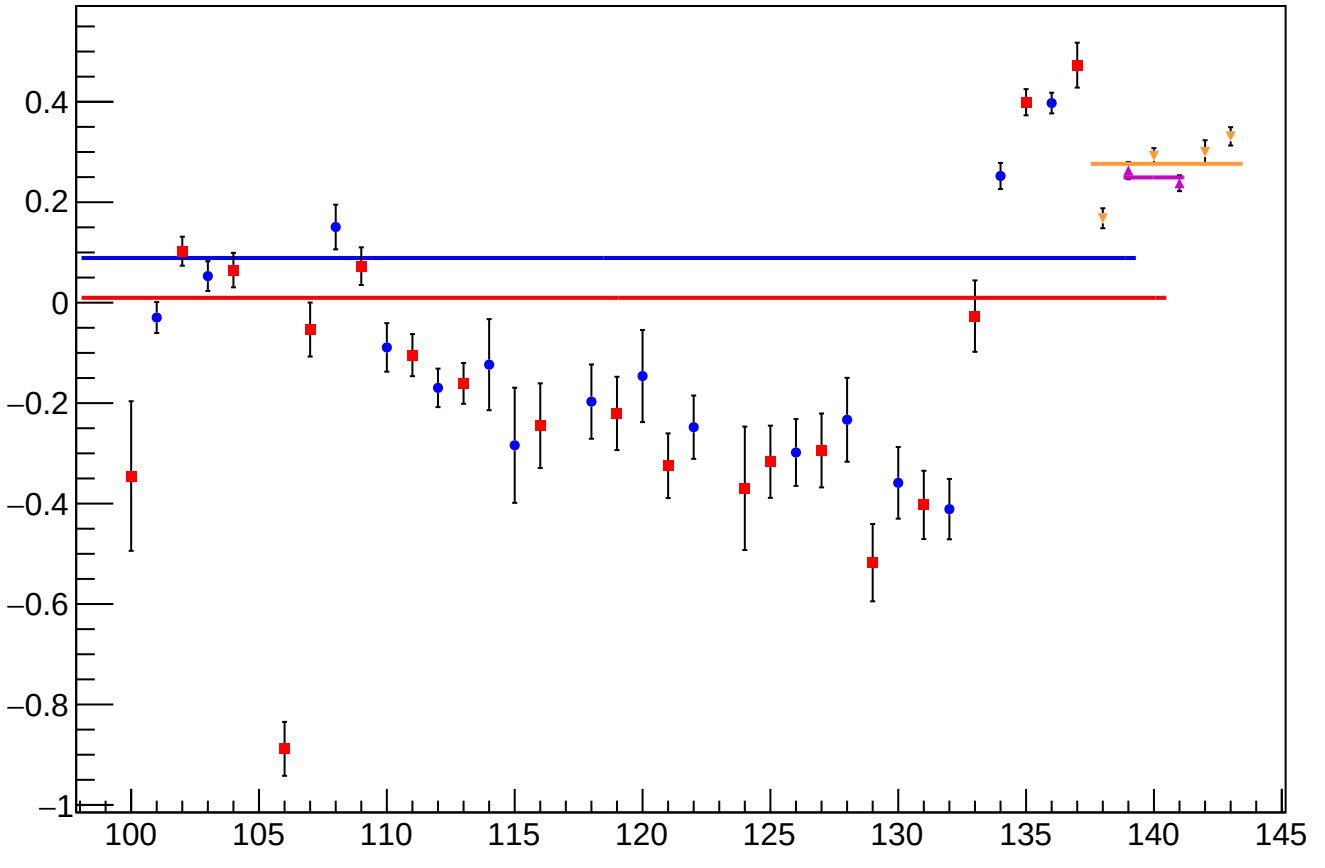
Left: 25.612+/-0.166 χ^2/NDF: 594.6/5

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 21.916+/-0.164 χ^2/NDF:7050.3/17

Out: 21.101+/-0.141 χ^2/NDF:8177.8/22

All: 21.448+/-0.107 χ^2/NDF: 15242.4/40



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.276+/-0.009 χ^2/NDF:40.8/3

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.249+/-0.012 χ^2/NDF:1.2/1

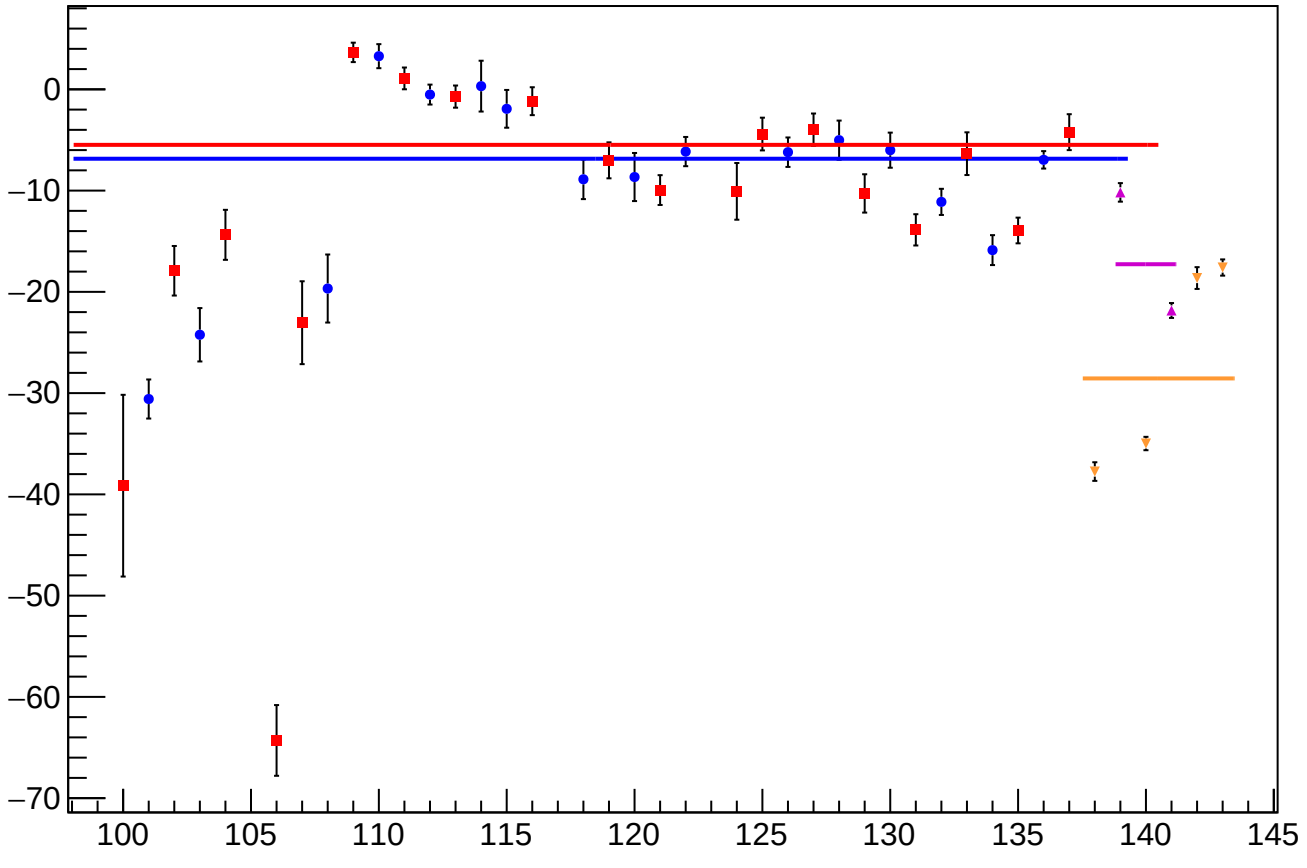
Left: 0.266+/-0.007 χ^2/NDF: 45.3/5

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.161+/-0.008 χ^2/NDF:671.2/17

Out: 0.166+/-0.007 χ^2/NDF:1218.8/22

All: 0.163+/-0.005 χ^2/NDF: 1890.2/40



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -28.550+/-0.412 χ^2/NDF:466.5/3

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -17.271+/-0.573 χ^2/NDF:98.7/1

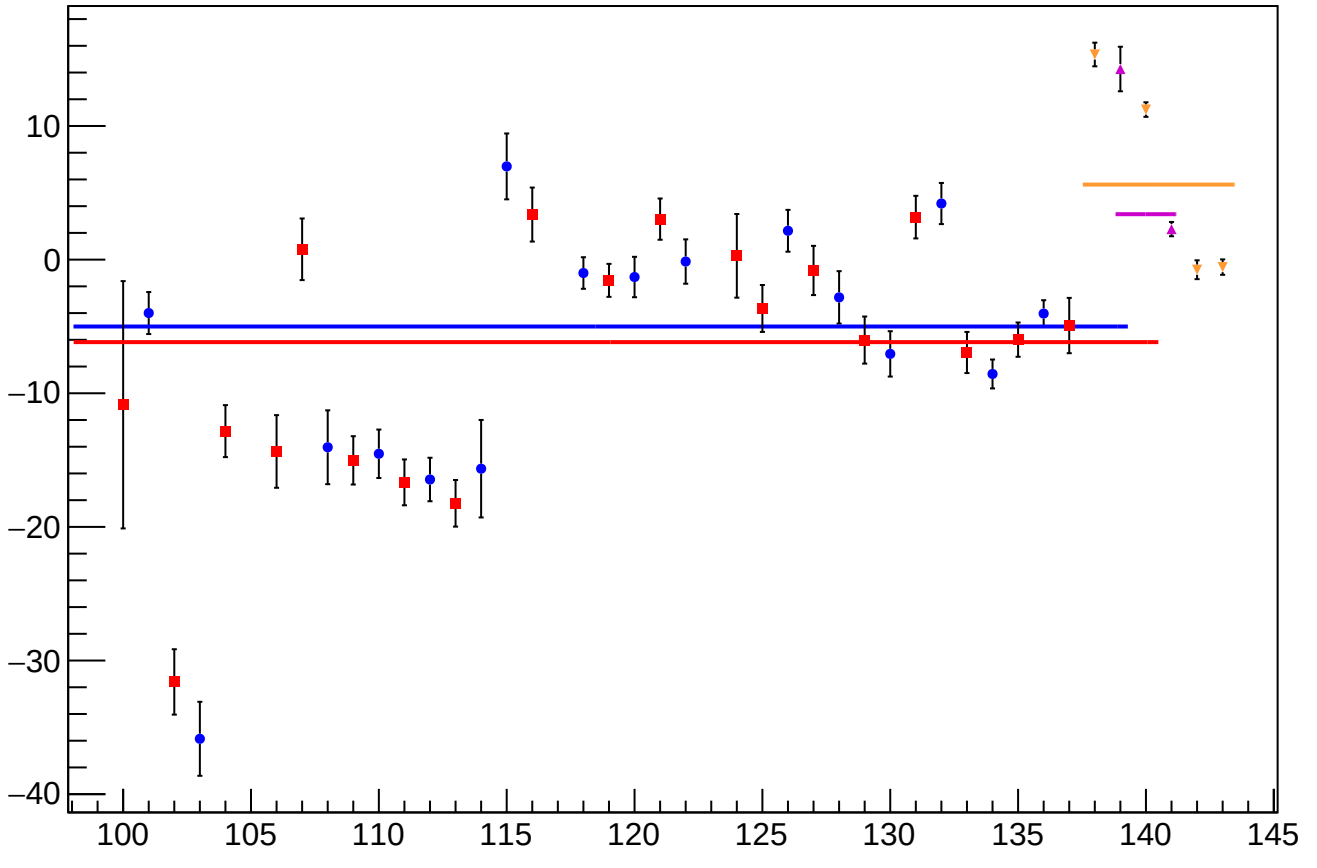
Left: -24.708+/-0.334 χ^2/NDF: 820.6/5

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -9.983+/-0.314 χ^2/NDF:719.9/17

Out: -15.754+/-0.275 χ^2/NDF:2813.2/22

All: -13.252+/-0.207 χ^2/NDF: 3724.3/40



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 5.617+/-0.322 χ^2/NDF:423.6/3

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 3.399+/-0.509 χ^2/NDF:46.9/1

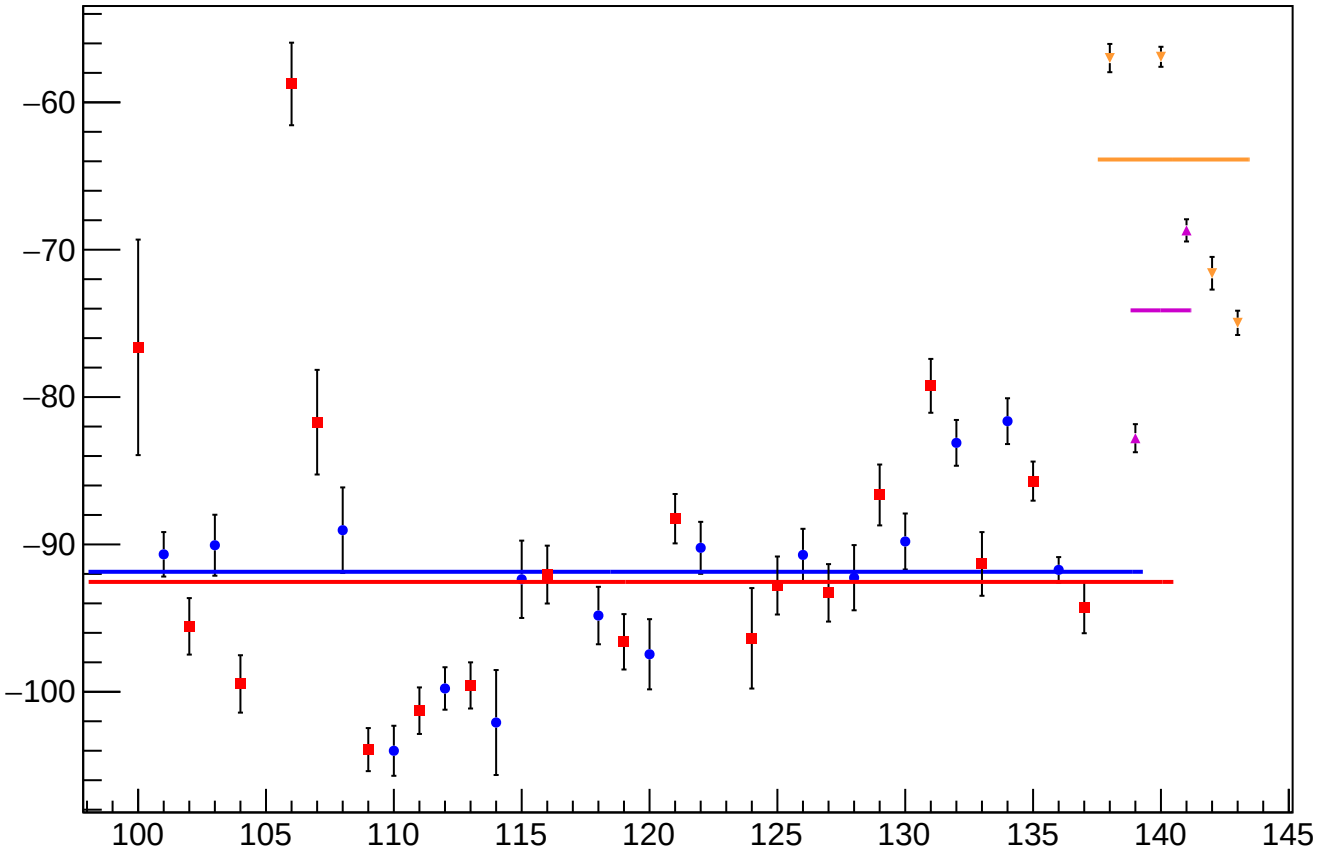
Left: 4.983+/-0.272 χ^2/NDF: 484.1/5

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -1.840+/-0.312 χ^2/NDF:558.8/17

Out: 1.213+/-0.255 χ^2/NDF:1294.7/22

All: -0.006+/-0.197 χ^2/NDF: 1910.9/40



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -63.879+/-0.425 χ^2/NDF:386.1/3

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -74.115+/-0.591 χ^2/NDF:134.7/1

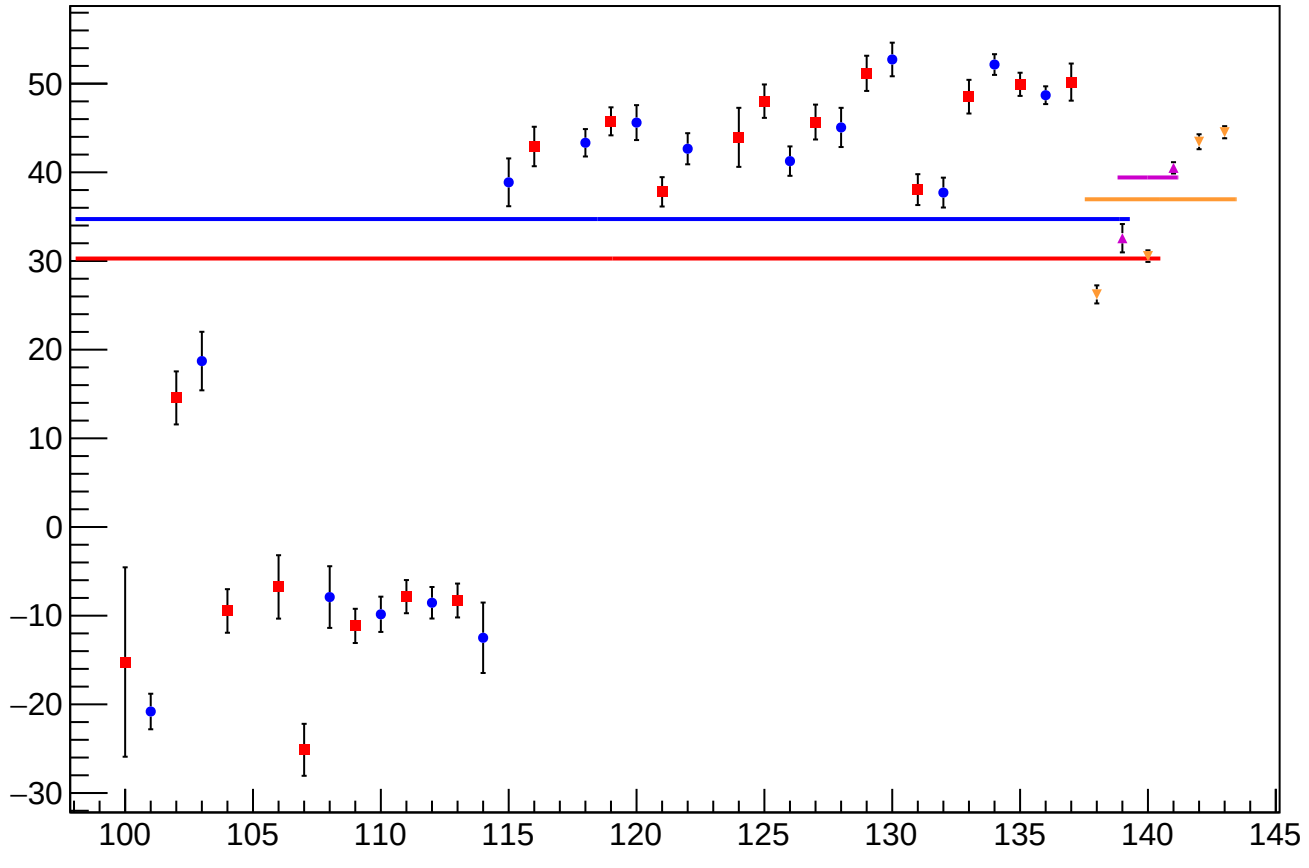
Left: -67.364+/-0.345 χ^2/NDF: 718.5/5

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -85.830+/-0.345 χ^2/NDF:906.5/17

Out: -77.734+/-0.305 χ^2/NDF:2974.2/22

All: -81.295+/-0.229 χ^2/NDF: 4189.9/40



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 36.960+/-0.383 χ^2/NDF:387.5/3

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 39.419+/-0.592 χ^2/NDF:21.3/1

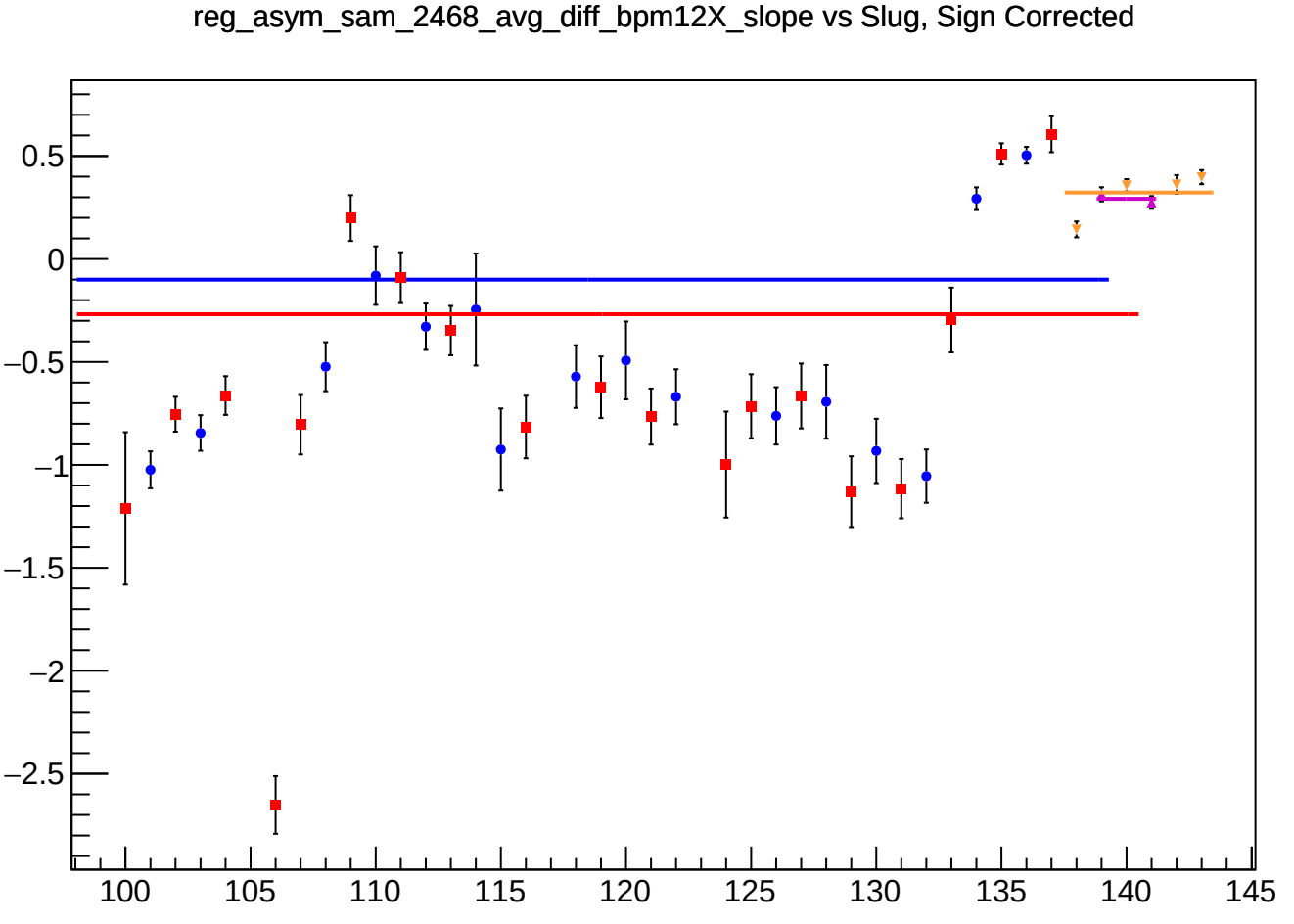
Left: 37.685+/-0.321 χ^2/NDF: 421.0/5

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 36.409+/-0.354 χ^2/NDF:2870.7/17

Out: 34.277+/-0.296 χ^2/NDF:3421.2/22

All: 35.154+/-0.227 χ^2/NDF: 6313.2/40



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.323+/-0.018 χ^2/NDF:28.4/3

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.292+/-0.023 χ^2/NDF:0.7/1

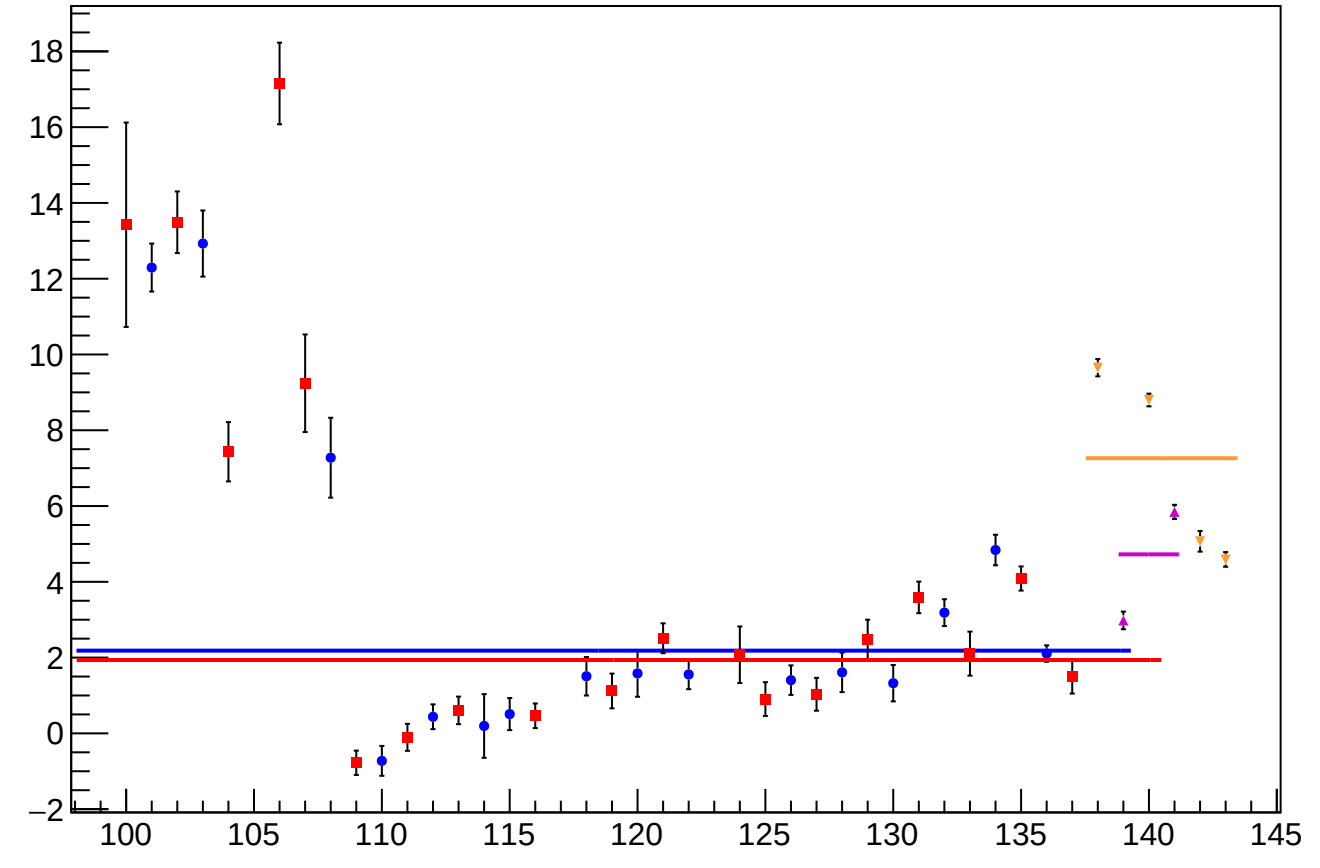
Left: 0.311+/-0.014 χ^2/NDF: 30.2/5

Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.105+/-0.017 χ^2/NDF:772.0/17

Out: 0.135+/-0.015 χ^2/NDF:1194.5/22

All: 0.122+/-0.011 χ^2/NDF: 1968.2/40



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 7.262+/-0.103 χ^2/NDF:449.1/3

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: 6.420+/-0.084 χ^2/NDF: 744.2/5

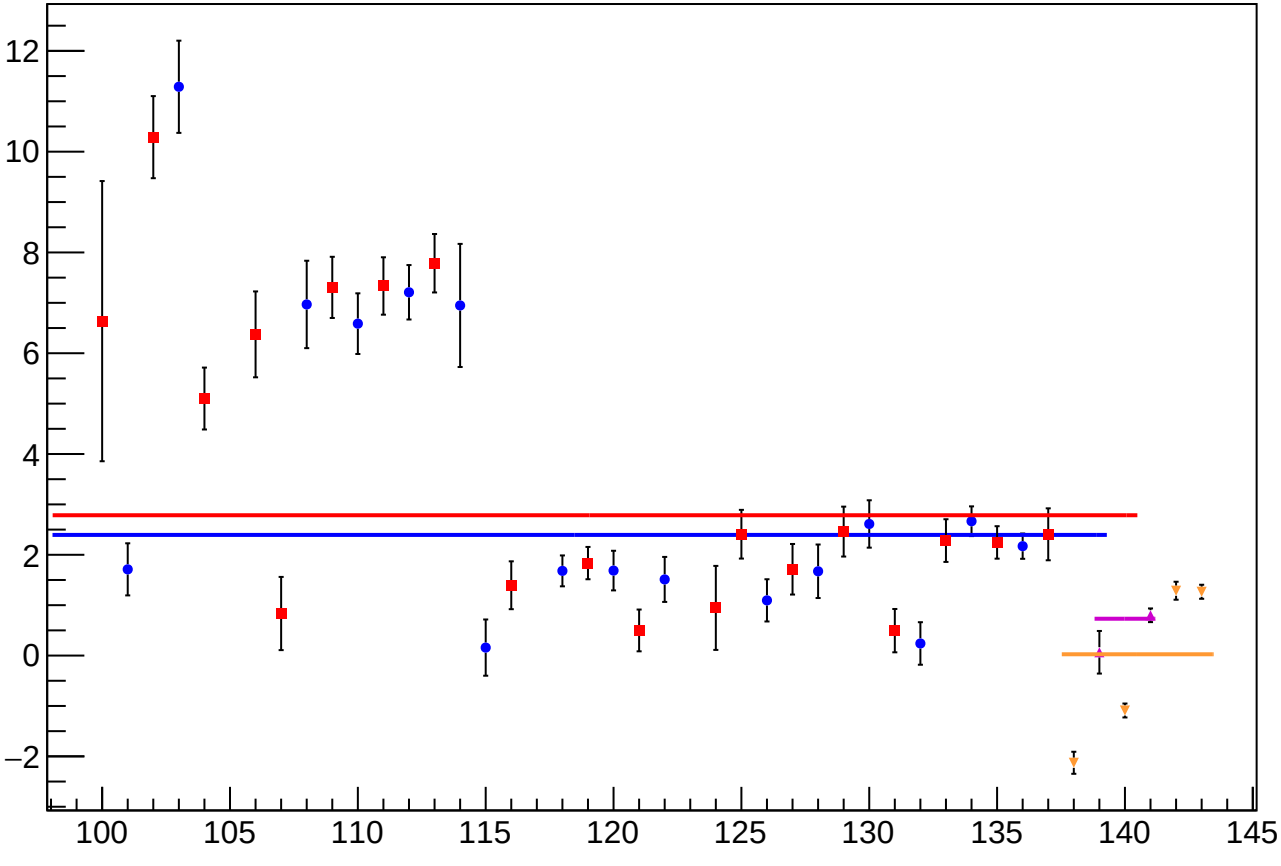
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.052+/-0.085 χ^2/NDF:891.8/17

Out: 4.673+/-0.074 χ^2/NDF:2476.0/22

All: 3.980+/-0.056 χ^2/NDF: 3575.0/40

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: 0.026+/-0.080 χ^2/NDF:291.3/3

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.731+/-0.129 χ^2/NDF:2.7/1

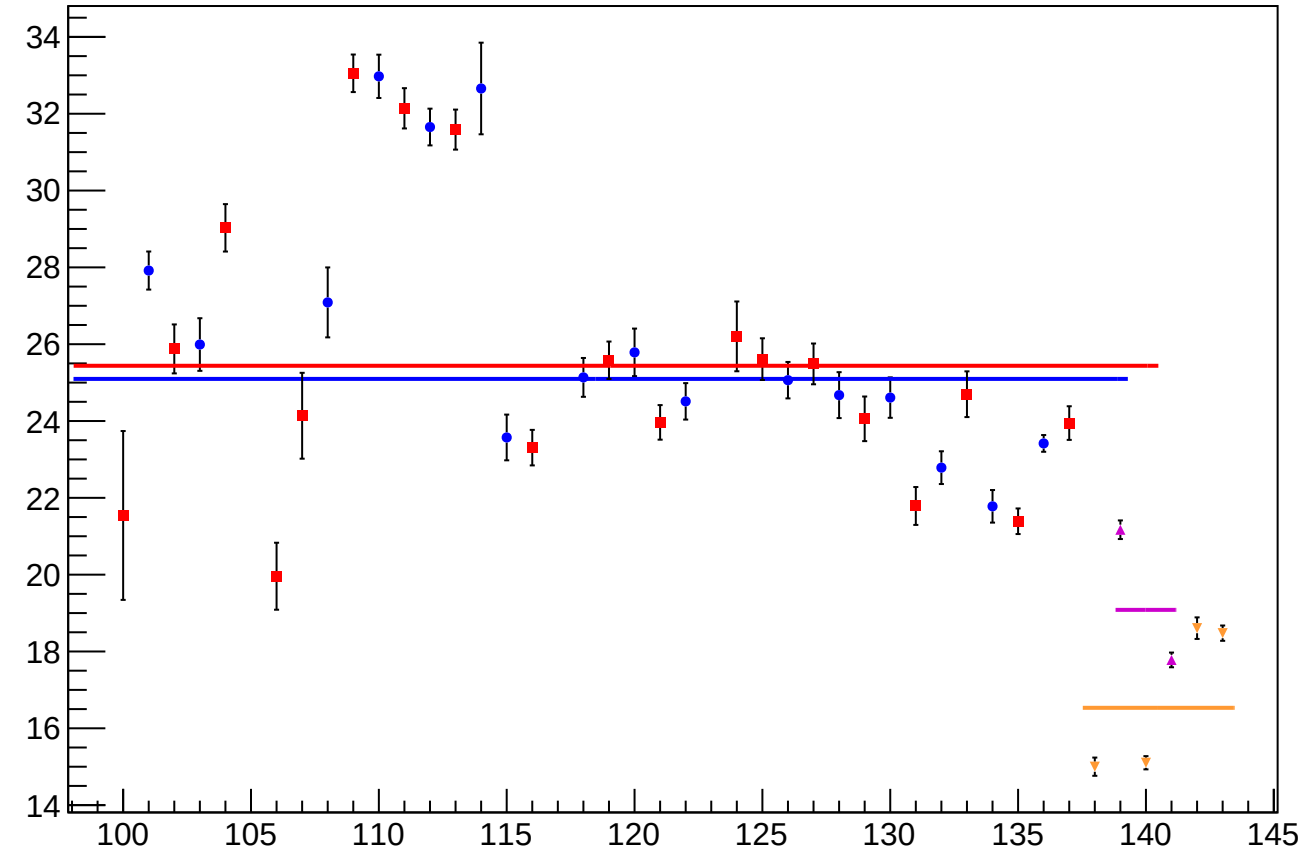
Left: 0.221+/-0.068 χ^2/NDF: 315.6/5

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.708+/-0.083 χ^2/NDF:434.0/17

Out: 0.917+/-0.066 χ^2/NDF:1086.0/22

All: 1.222+/-0.052 χ^2/NDF: 1575.7/40



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.533+/-0.106 χ^2/NDF:260.2/3

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 19.083+/-0.150 χ^2/NDF:120.4/1

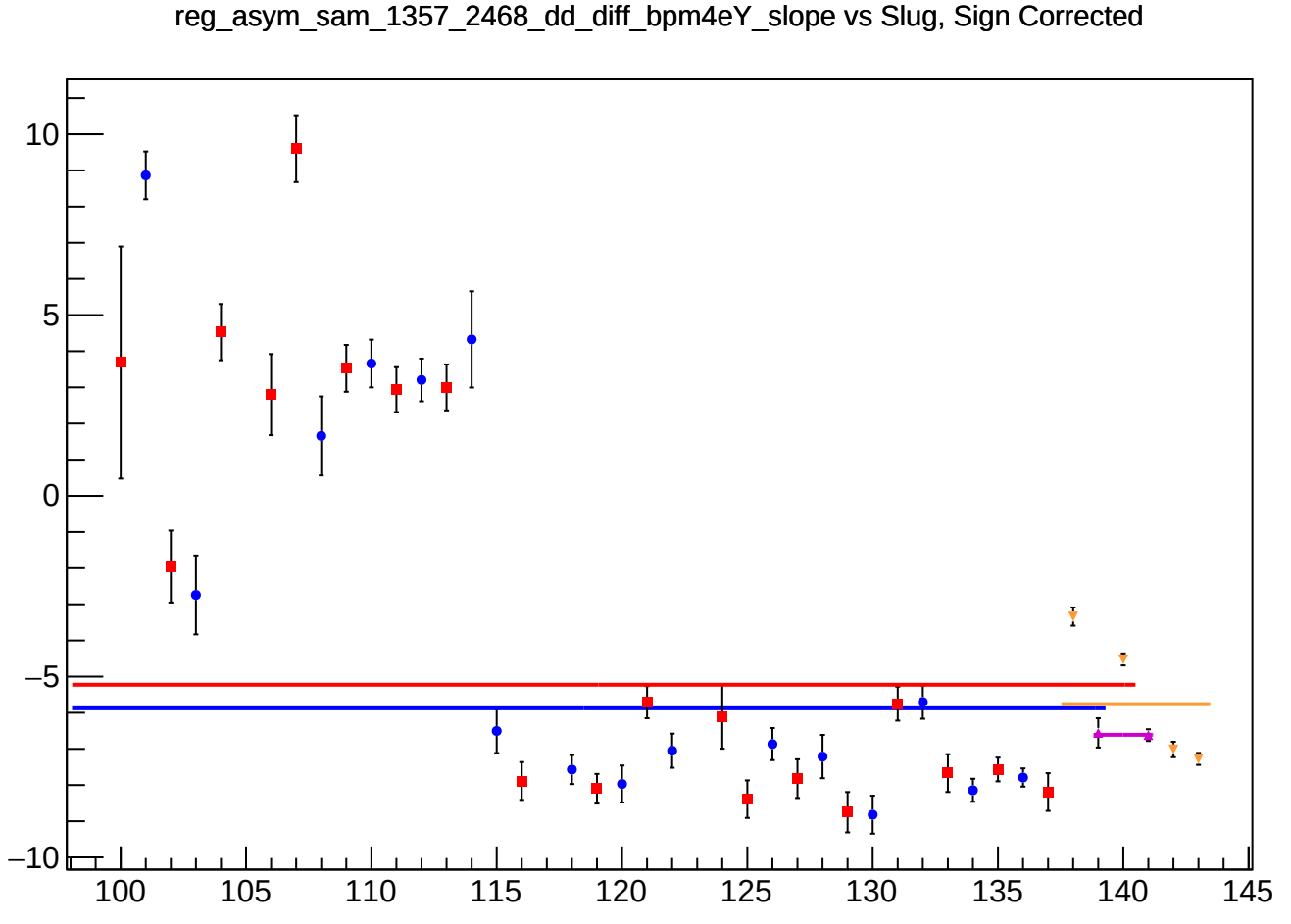
Left: 17.379+/-0.087 χ^2/NDF: 573.0/5

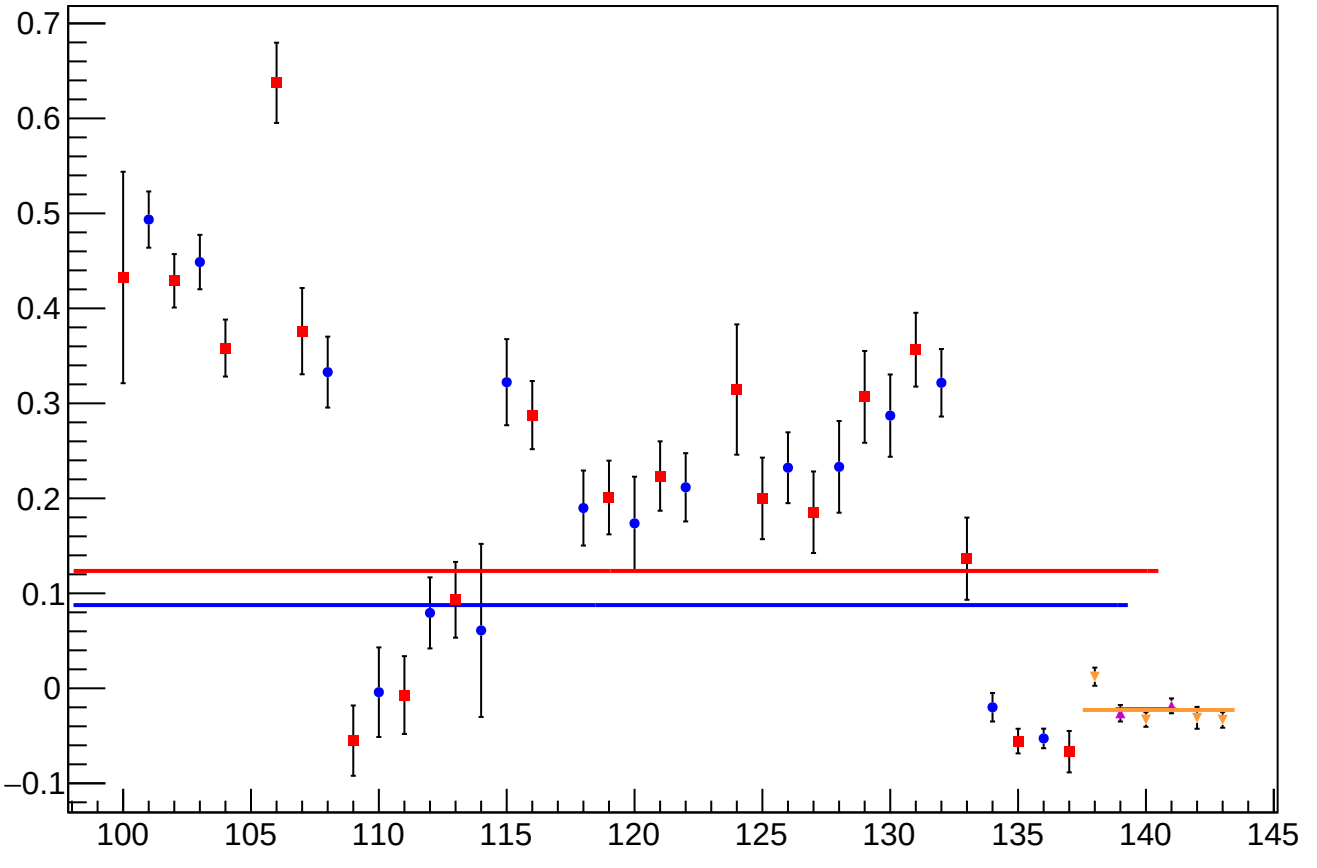
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 22.814+/-0.093 χ^2/NDF:1736.6/17

Out: 20.286+/-0.081 χ^2/NDF:4120.3/22

All: 21.375+/-0.061 χ^2/NDF: 6281.5/40


reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
10
5
0
−5
−10
100
105
110
115
120
125
130
135
140
145
Right In: -5.876+/-0.121 χ²/NDF: 1251.4/15
Left Out: -5.762+/-0.095 χ²/NDF:265.8/3
Right Out: -5.225+/-0.129 χ²/NDF: 1292.0/18
Left In: -6.609+/-0.150 χ²/NDF:0.0/1
Left: -6.005+/-0.080 χ²/NDF: 288.5/5
Right: -5.573+/-0.088 χ²/NDF: 2556.9/34
In: -6.164+/-0.094 χ²/NDF:1265.9/17
Out: -5.573+/-0.077 χ²/NDF:1568.9/22
All: -5.809+/-0.059 χ²/NDF: 2858.5/40



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.023+/-0.004 χ^2/NDF:17.2/3

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.022+/-0.006 χ^2/NDF:0.4/1

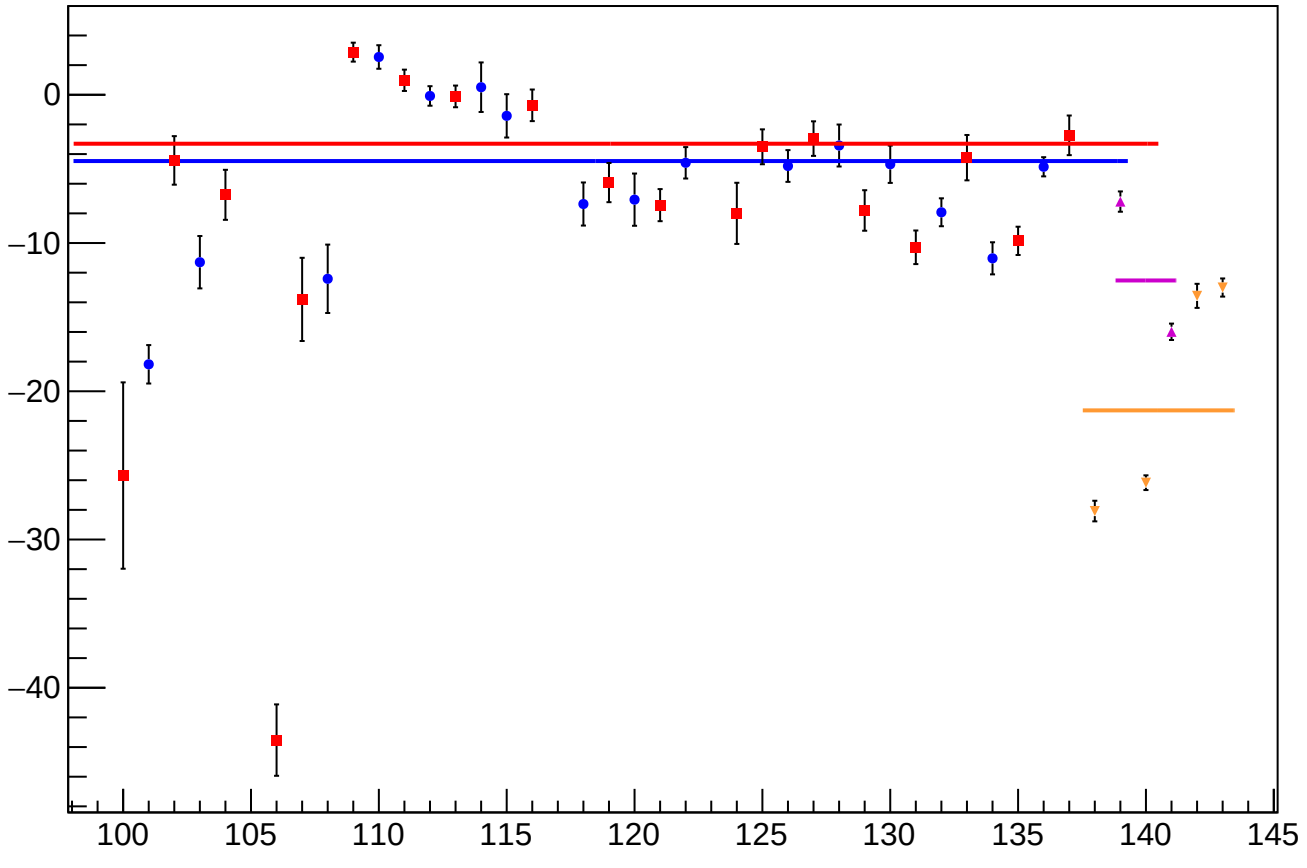
Left: -0.022+/-0.004 χ^2/NDF: 17.7/5

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.026+/-0.004 χ^2/NDF:923.6/17

Out: 0.017+/-0.004 χ^2/NDF:1070.0/22

All: 0.021+/-0.003 χ^2/NDF: 1996.1/40



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -21.290+/-0.311 χ^2/NDF:465.9/3

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -12.526+/-0.430 χ^2/NDF:99.6/1

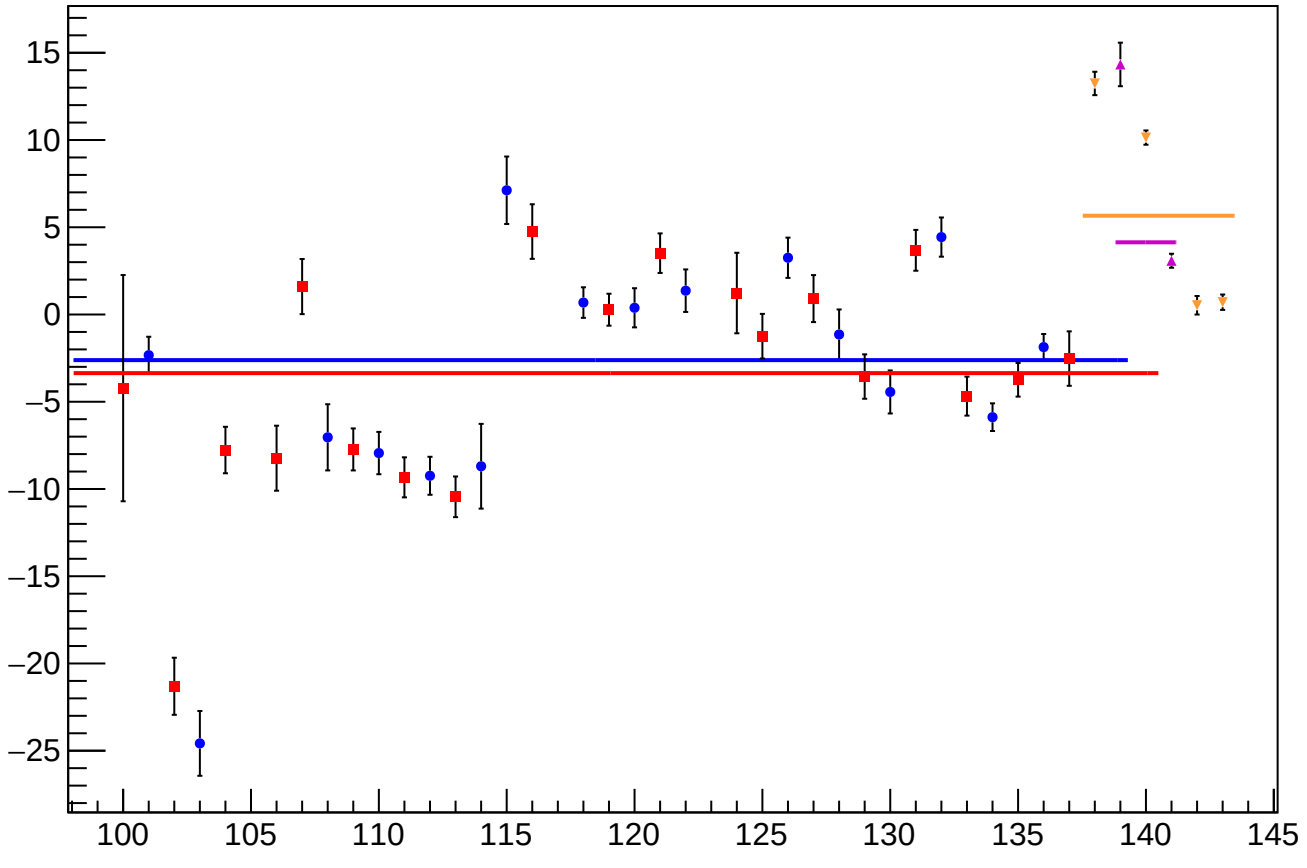
Left: -18.276+/-0.252 χ^2/NDF: 837.9/5

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -6.728+/-0.228 χ^2/NDF:683.8/17

Out: -10.720+/-0.200 χ^2/NDF:3011.9/22

All: -8.982+/-0.150 χ^2/NDF: 3869.1/40



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 5.661+/-0.243 χ^2/NDF:467.5/3

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 4.137+/-0.382 χ^2/NDF:73.7/1

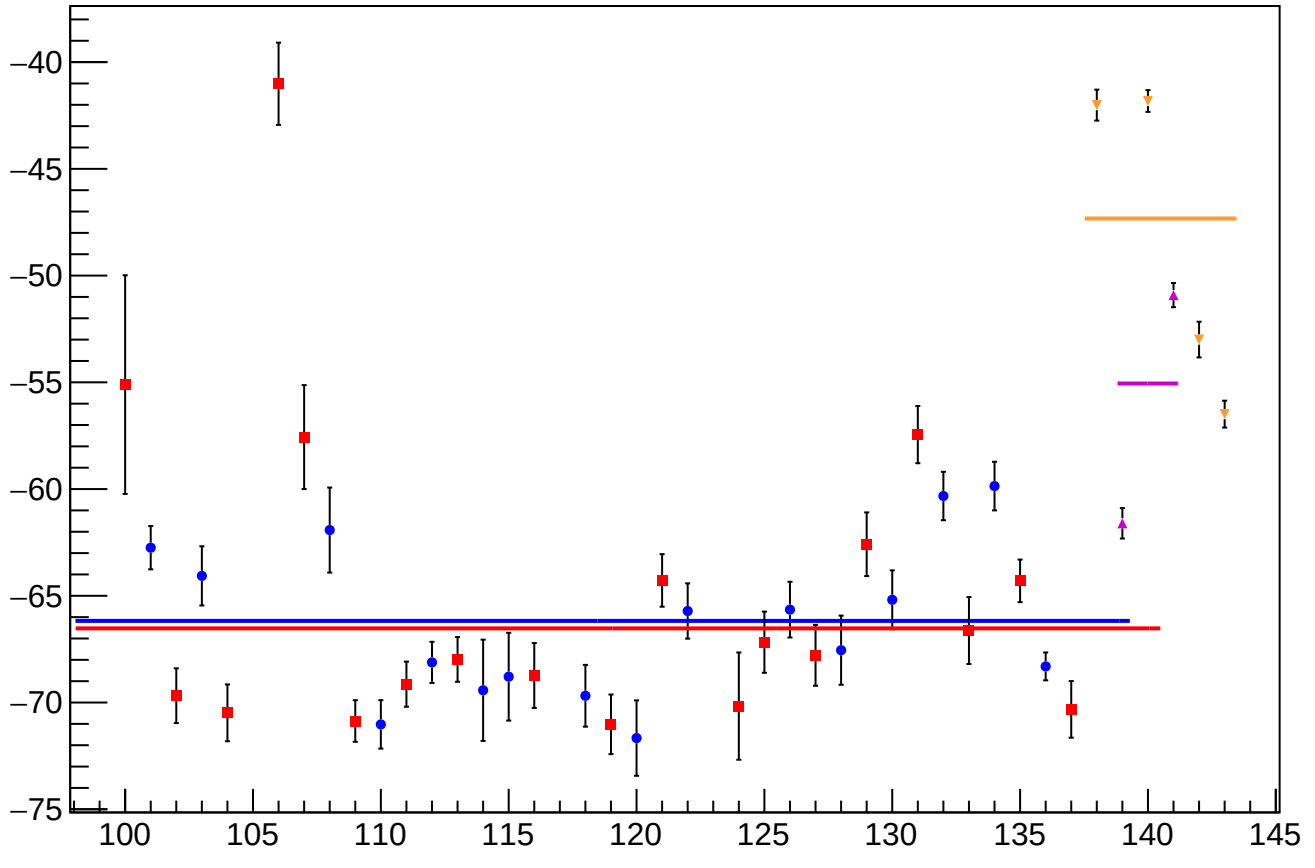
Left: 5.222+/-0.205 χ^2/NDF: 552.4/5

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.196+/-0.229 χ^2/NDF:625.6/17

Out: 2.063+/-0.189 χ^2/NDF:1375.1/22

All: 1.149+/-0.146 χ^2/NDF: 2058.7/40



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -47.327+/-0.321 χ^2/NDF:427.9/3

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -55.055+/-0.444 χ^2/NDF:137.7/1

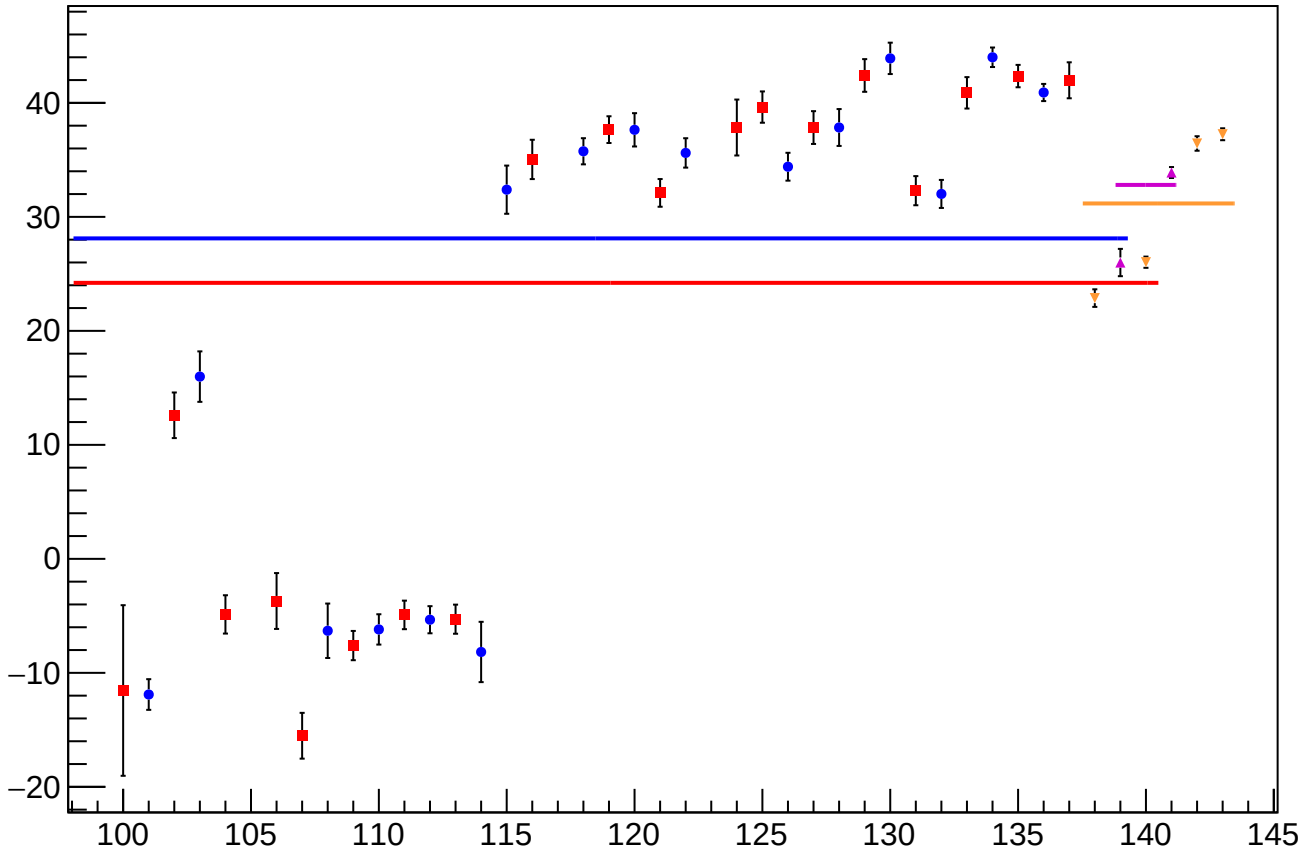
Left: -49.983+/-0.260 χ^2/NDF: 764.7/5

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -62.619+/-0.251 χ^2/NDF:693.9/17

Out: -57.190+/-0.224 χ^2/NDF:2585.5/22

All: -59.597+/-0.167 χ^2/NDF: 3539.8/40



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 31.176+/-0.290 χ^2/NDF:428.4/3

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: 31.660+/-0.243 χ^2/NDF: 475.3/5

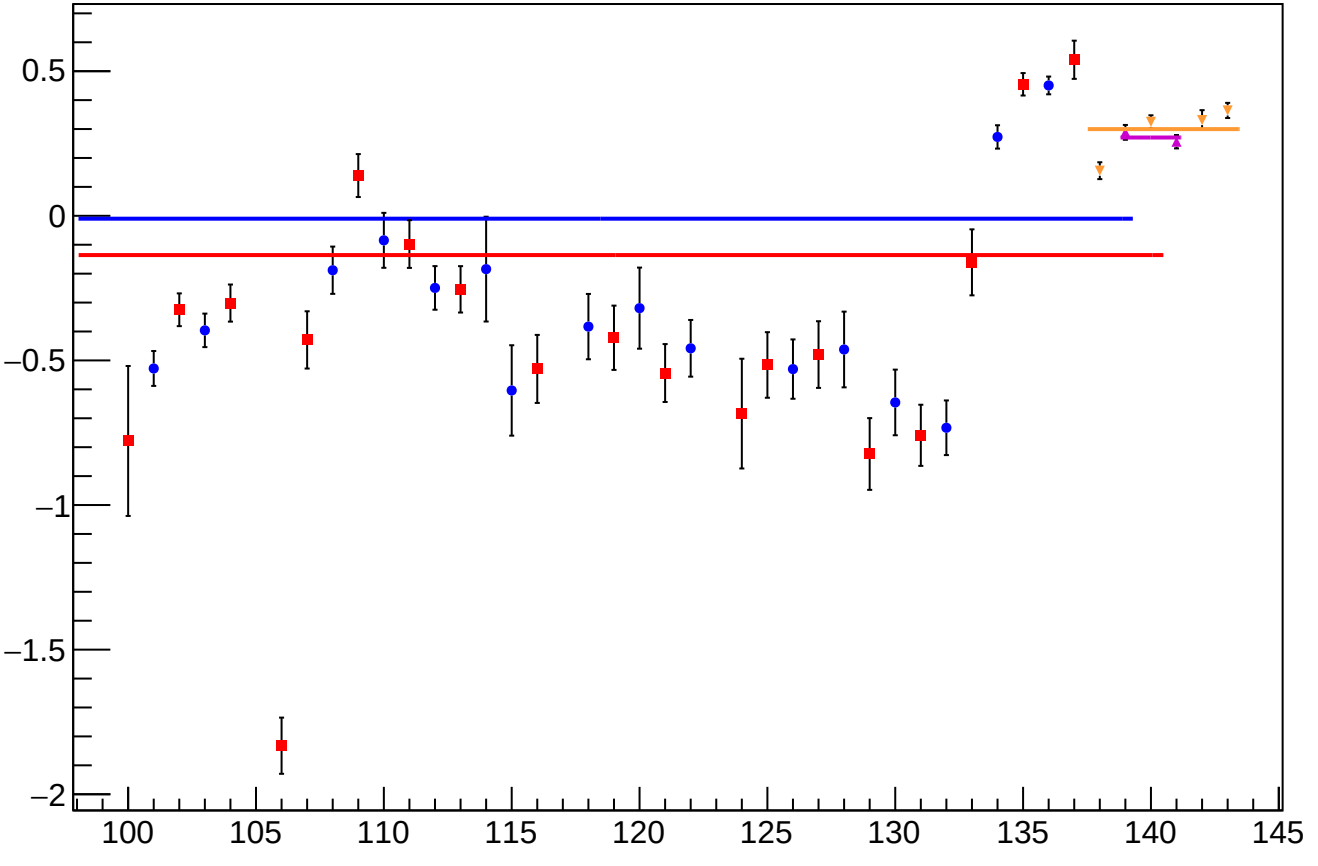
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 29.712+/-0.260 χ^2/NDF:3838.5/17

Out: 28.204+/-0.219 χ^2/NDF:4516.9/22

All: 28.832+/-0.168 χ^2/NDF: 8375.1/40

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.300+/-0.014 χ^2/NDF:32.5/3

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.271+/-0.017 χ^2/NDF:0.9/1

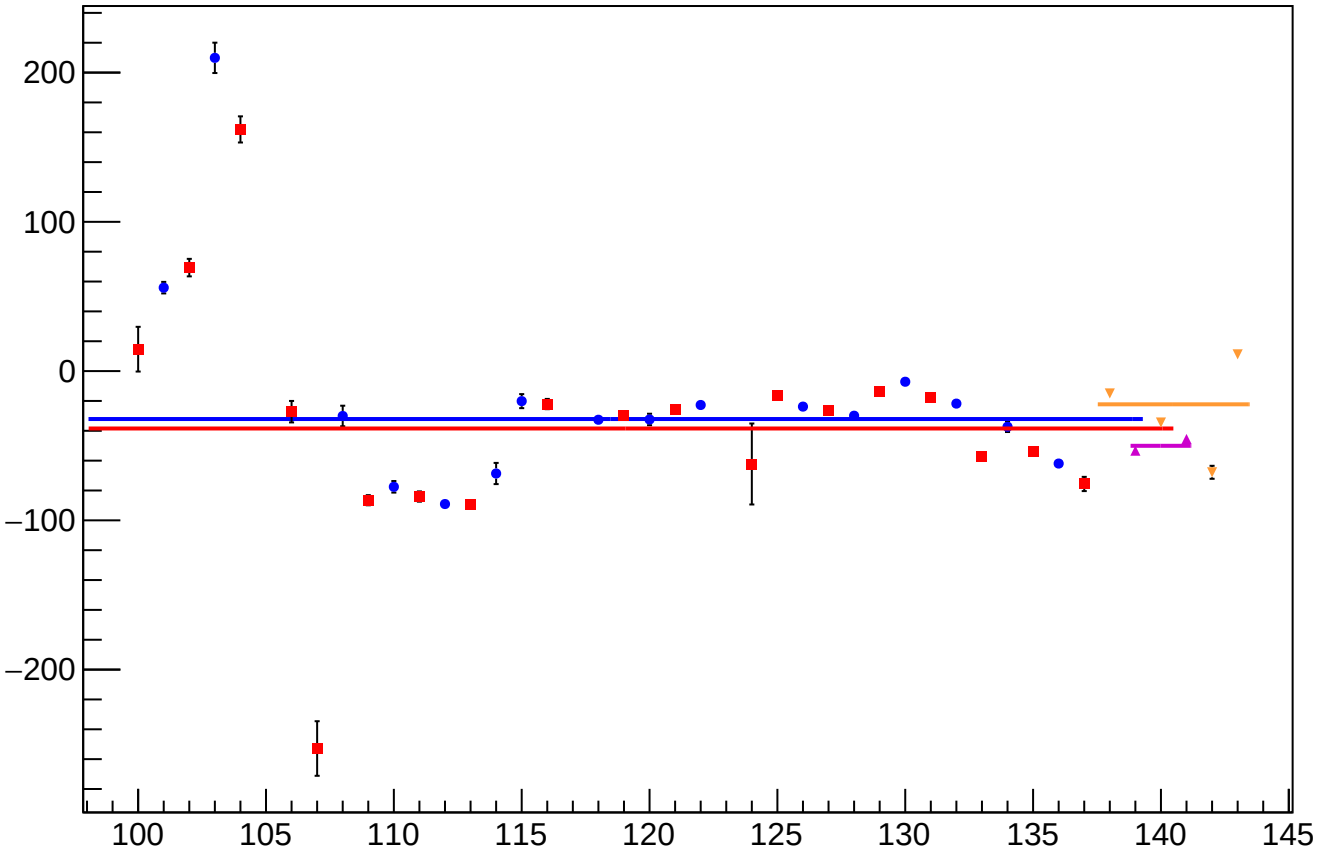
Left: 0.289+/-0.011 χ^2/NDF: 35.1/5

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.131+/-0.012 χ^2/NDF:720.4/17

Out: 0.151+/-0.011 χ^2/NDF:1203.0/22

All: 0.142+/-0.008 χ^2/NDF: 1924.7/40



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -22.261+/-1.461 χ^2/NDF:244.1/3

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -50.059+/-1.856 χ^2/NDF:4.3/1

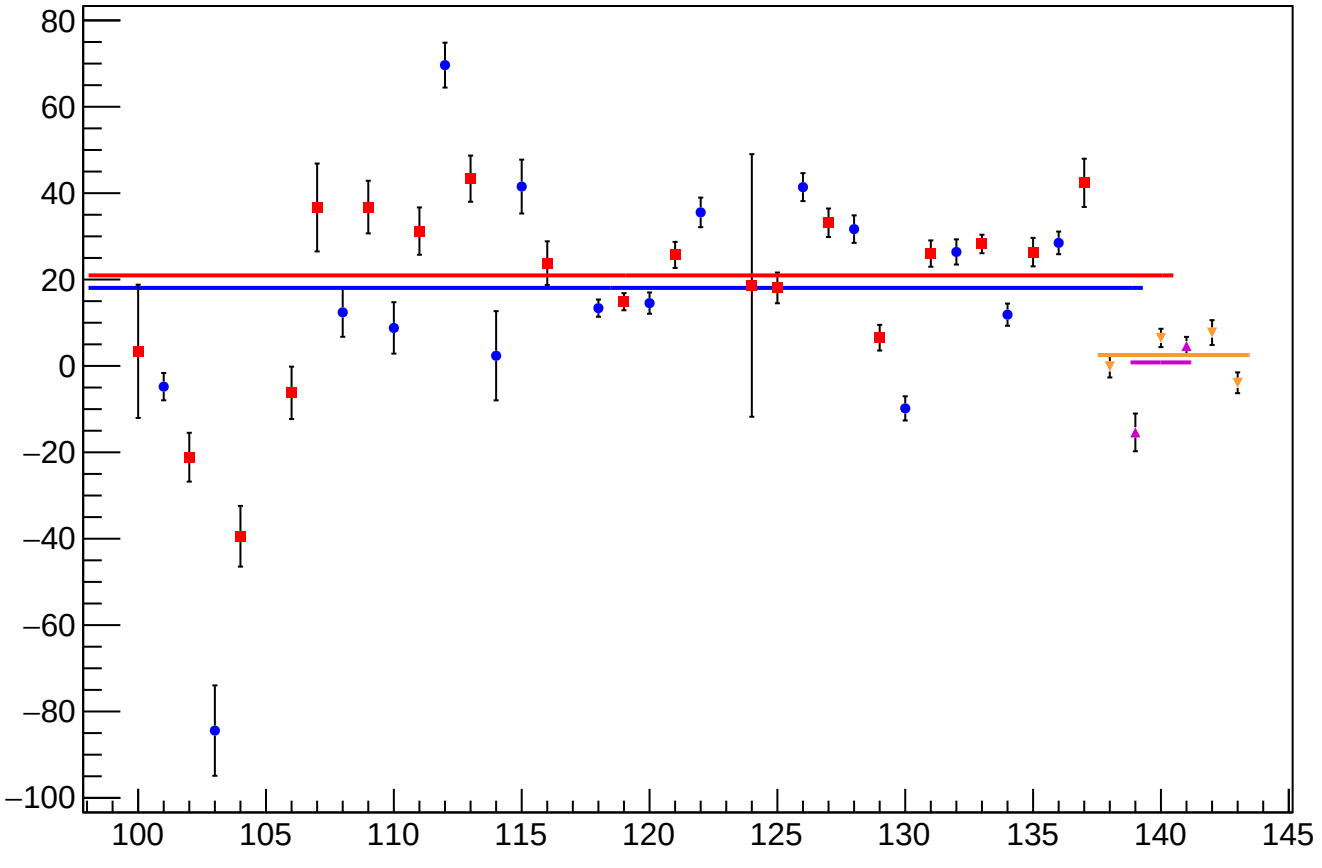
Left: -32.902+/-1.148 χ^2/NDF: 387.0/5

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -35.184+/-0.767 χ^2/NDF:1959.3/17

Out: -34.262+/-0.744 χ^2/NDF:2307.7/22

All: -34.709+/-0.534 χ^2/NDF: 4267.8/40



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 2.531+/-1.224 χ^2/NDF:14.9/3

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 0.816+/-1.903 χ^2/NDF:17.0/1

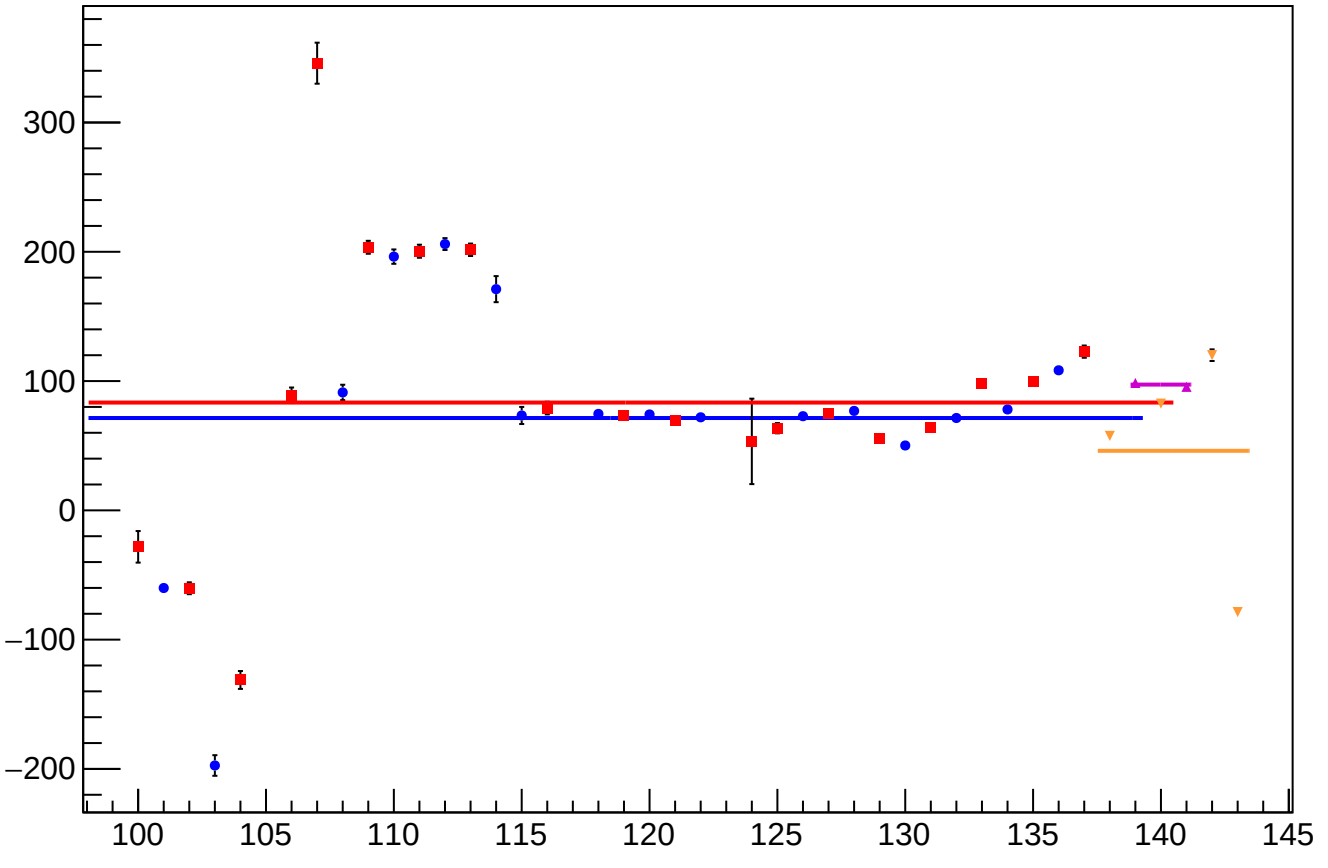
Left: 2.030+/-1.029 χ^2/NDF: 32.5/5

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 15.352+/-0.755 χ^2/NDF:585.8/17

Out: 14.788+/-0.708 χ^2/NDF:428.4/22

All: 15.052+/-0.517 χ^2/NDF: 1014.4/40



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 46.055+/-1.512 χ^2/NDF:1837.0/3

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 97.281+/-1.922 χ^2/NDF:0.6/1

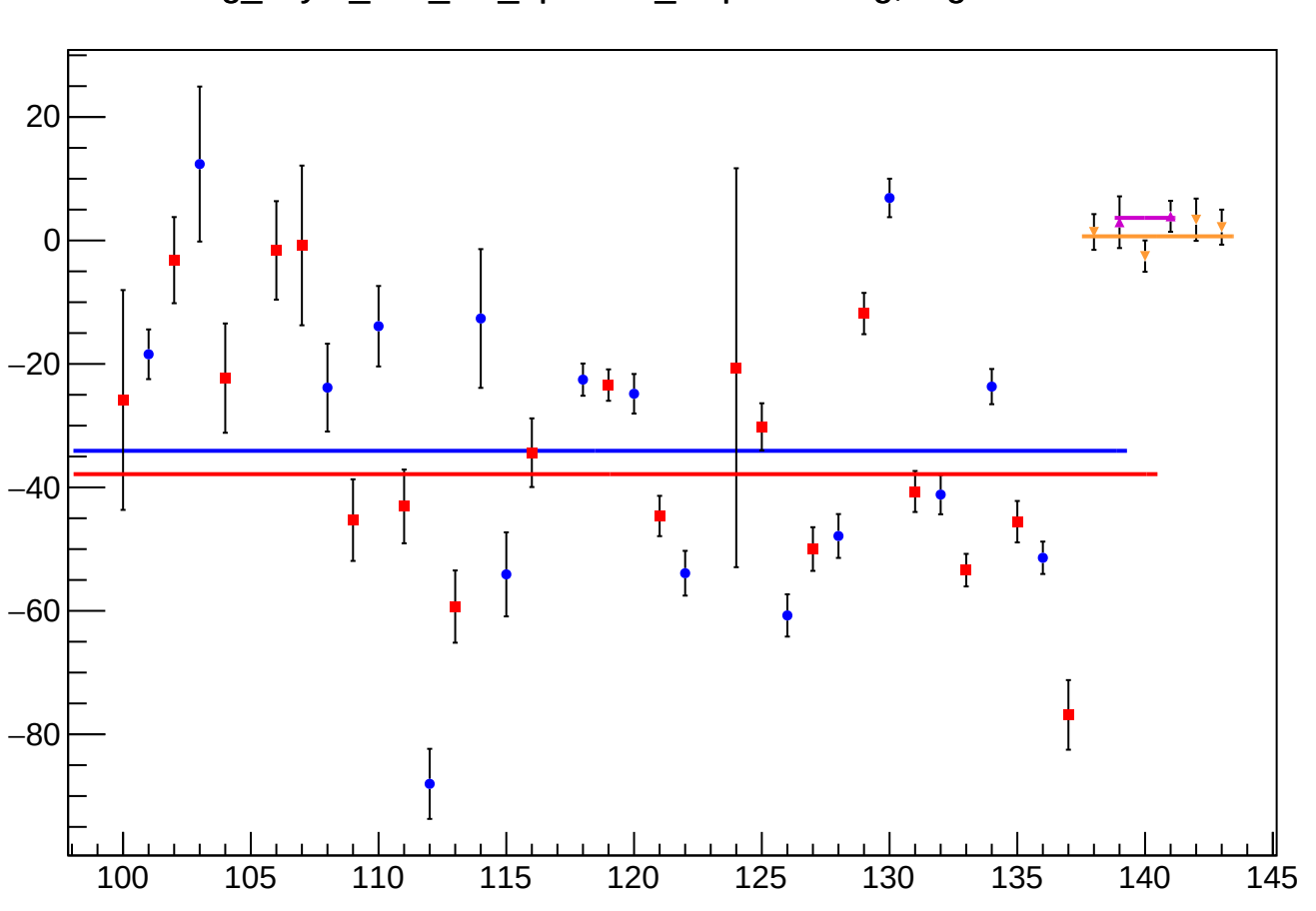
Left: 65.635+/-1.188 χ^2/NDF: 2276.6/5

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 76.338+/-0.838 χ^2/NDF:4966.8/17

Out: 72.256+/-0.825 χ^2/NDF:6562.4/22

All: 74.266+/-0.588 χ^2/NDF: 11541.3/40



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: 0.673+/-1.437 χ^2/NDF:2.5/3

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: 3.661+/-2.152 χ^2/NDF:0.0/1

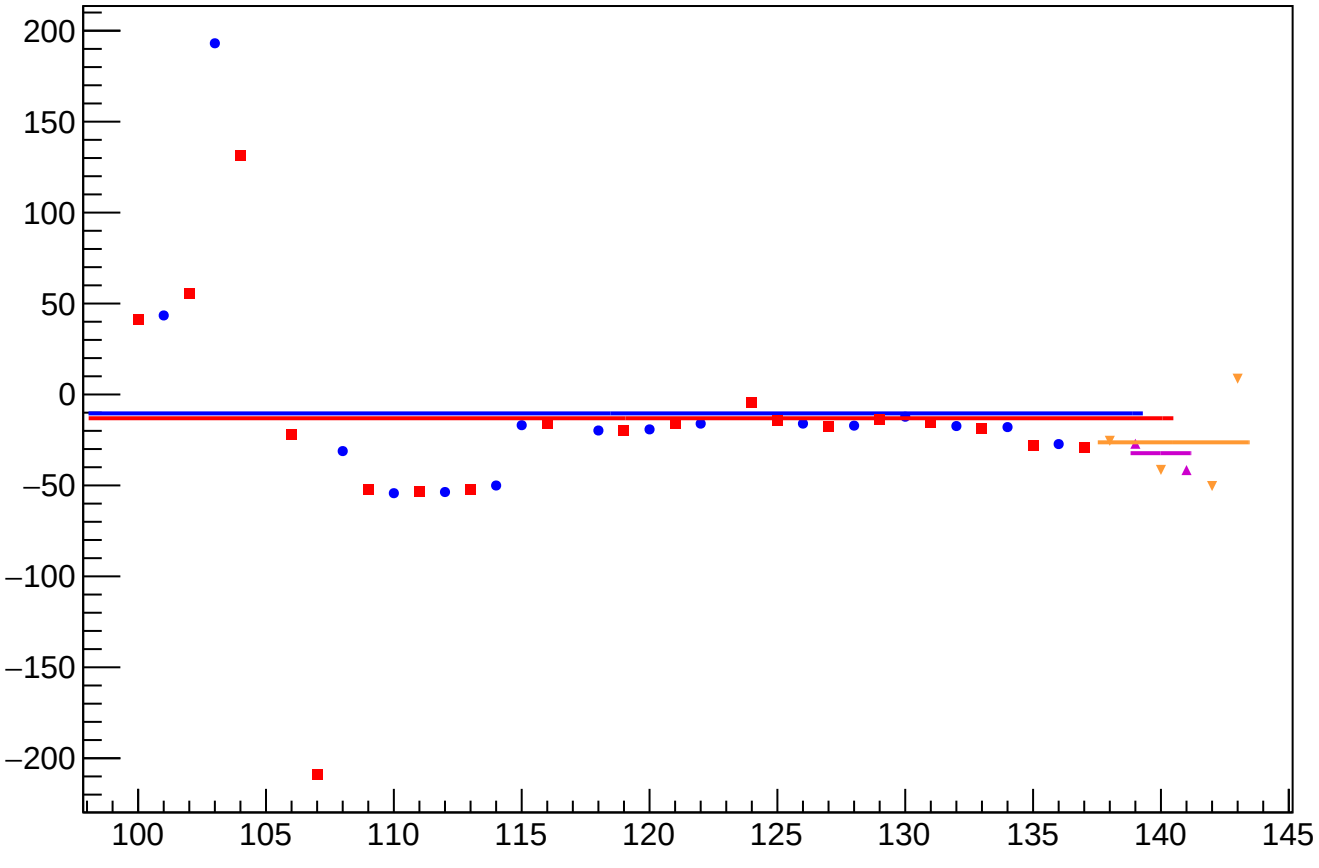
Left: 1.594+/-1.195 χ^2/NDF: 3.9/5

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -28.005+/-0.863 χ^2/NDF:769.3/17

Out: -25.389+/-0.817 χ^2/NDF:763.5/22

All: -26.626+/-0.593 χ^2/NDF: 1537.6/40



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -26.309+/-0.063 χ^2/NDF:95973.4/3

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: -28.875+/-0.047 χ^2/NDF: 109134.4/5

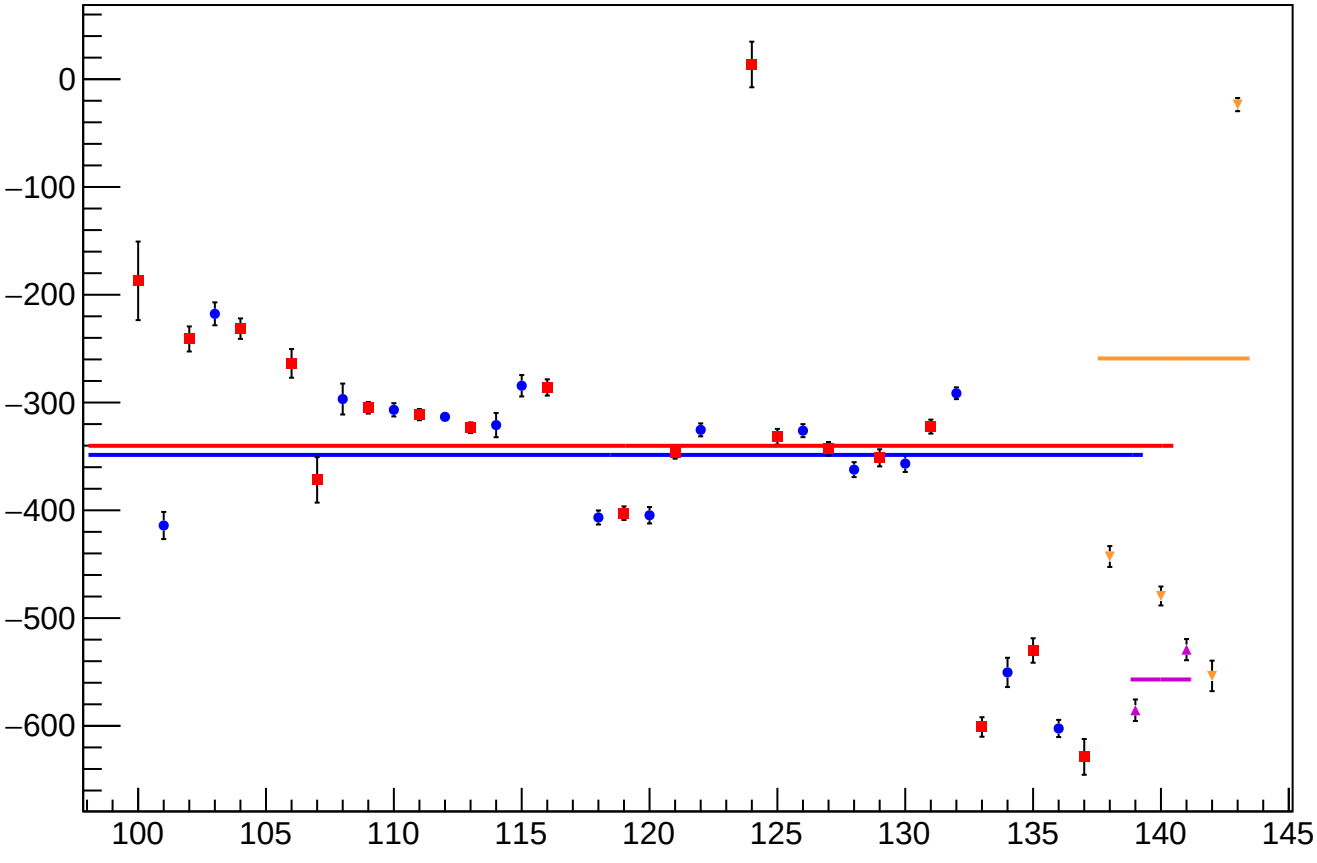
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -18.772+/-0.045 χ^2/NDF:588323.5/17

Out: -19.681+/-0.044 χ^2/NDF:567884.2/22

All: -19.230+/-0.031 χ^2/NDF: 1156416.4/40

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -259.095+/-4.252 χ^2/NDF:2902.8/3

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -556.956+/-7.022 χ^2/NDF:16.0/1

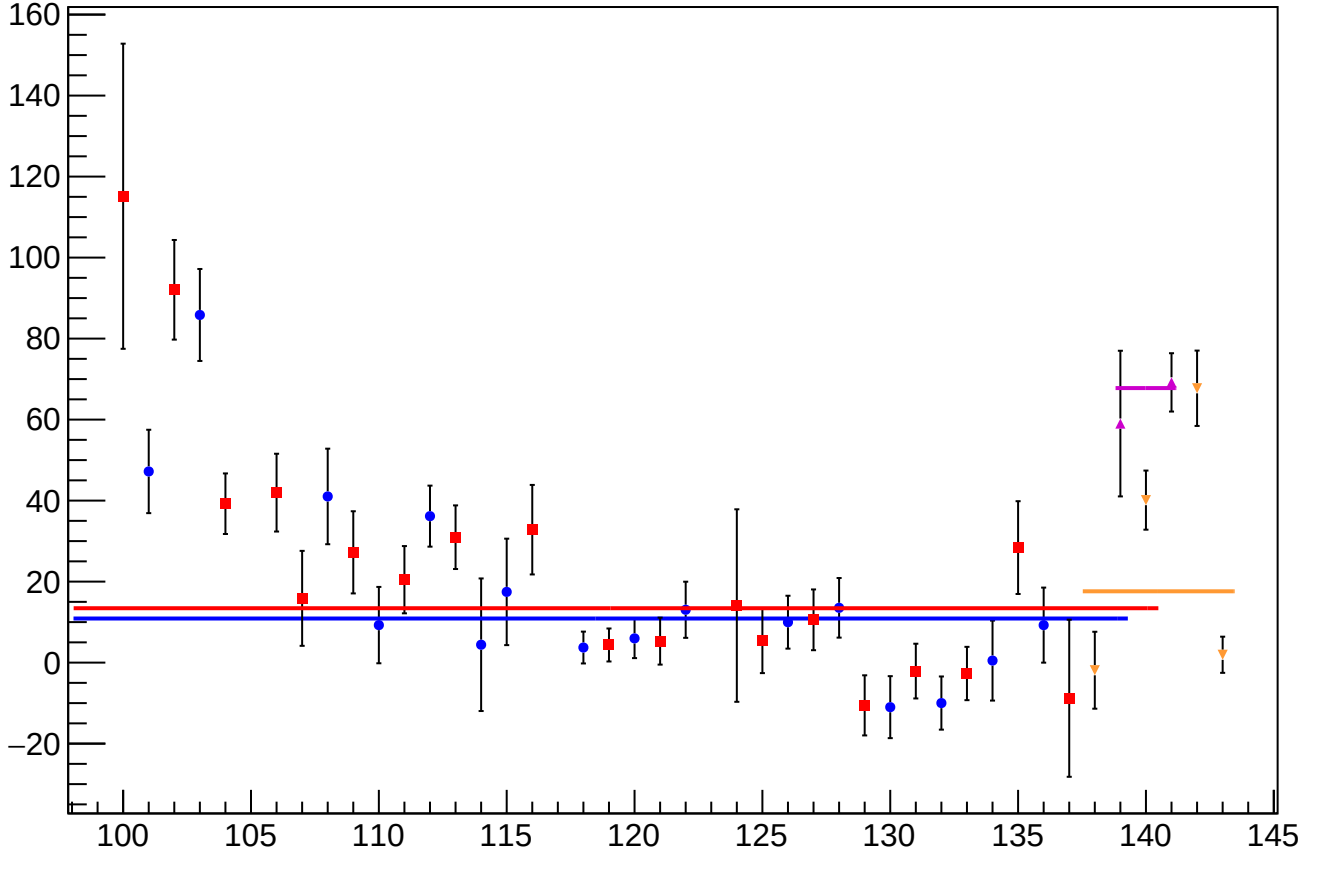
Left: -339.017+/-3.637 χ^2/NDF: 4235.3/5

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -361.765+/-1.766 χ^2/NDF:2699.1/17

Out: -328.298+/-1.626 χ^2/NDF:5410.1/22

All: -343.650+/-1.196 χ^2/NDF: 8303.6/40



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 17.606+/-3.304 χ^2/NDF:55.1/3

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 67.782+/-6.685 χ^2/NDF:0.3/1

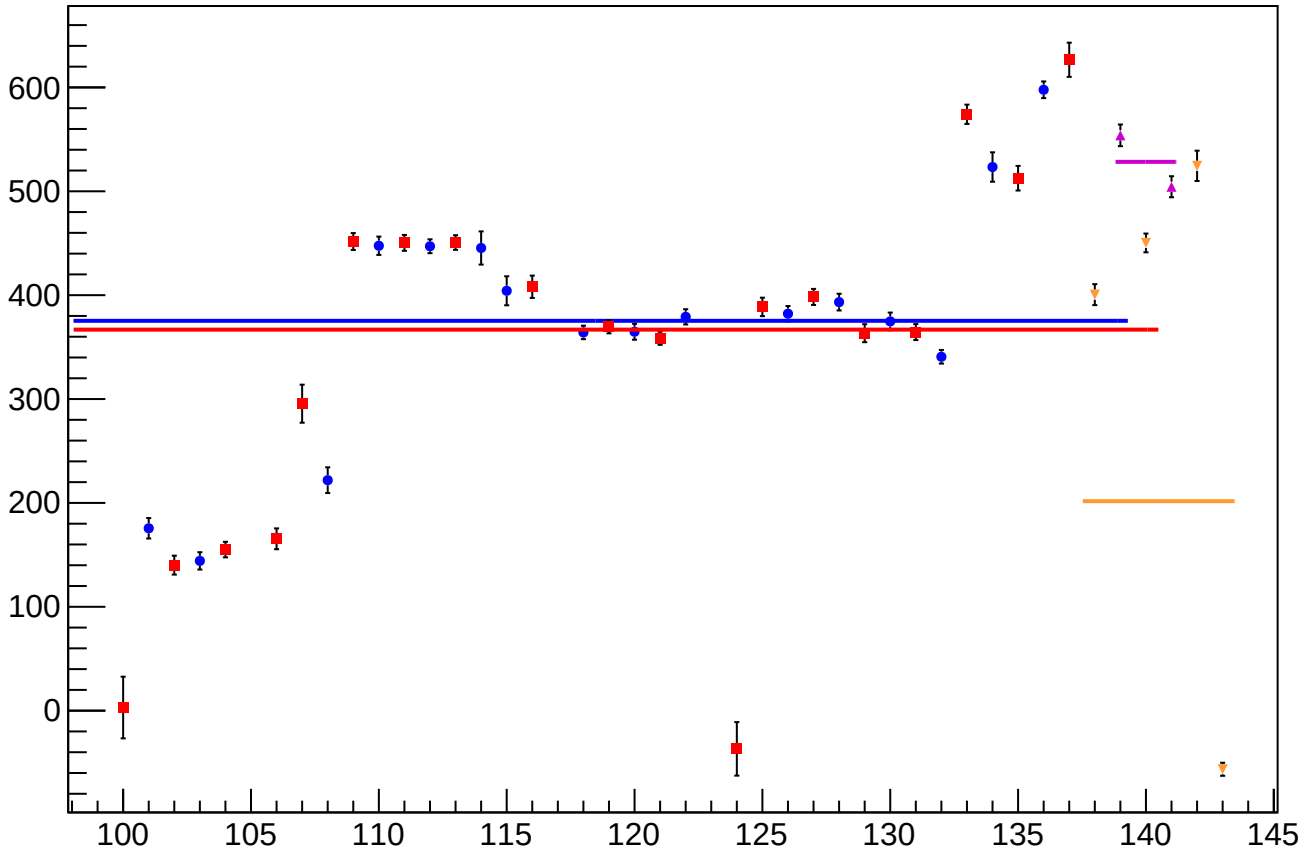
Left: 27.459+/-2.962 χ^2/NDF: 100.6/5

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 14.906+/-1.776 χ^2/NDF:165.8/17

Out: 14.428+/-1.617 χ^2/NDF:168.7/22

All: 14.644+/-1.196 χ^2/NDF: 334.6/40



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 201.686+/-4.386 χ^2/NDF:3313.8/3

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 528.360+/-7.261 χ^2/NDF:11.6/1

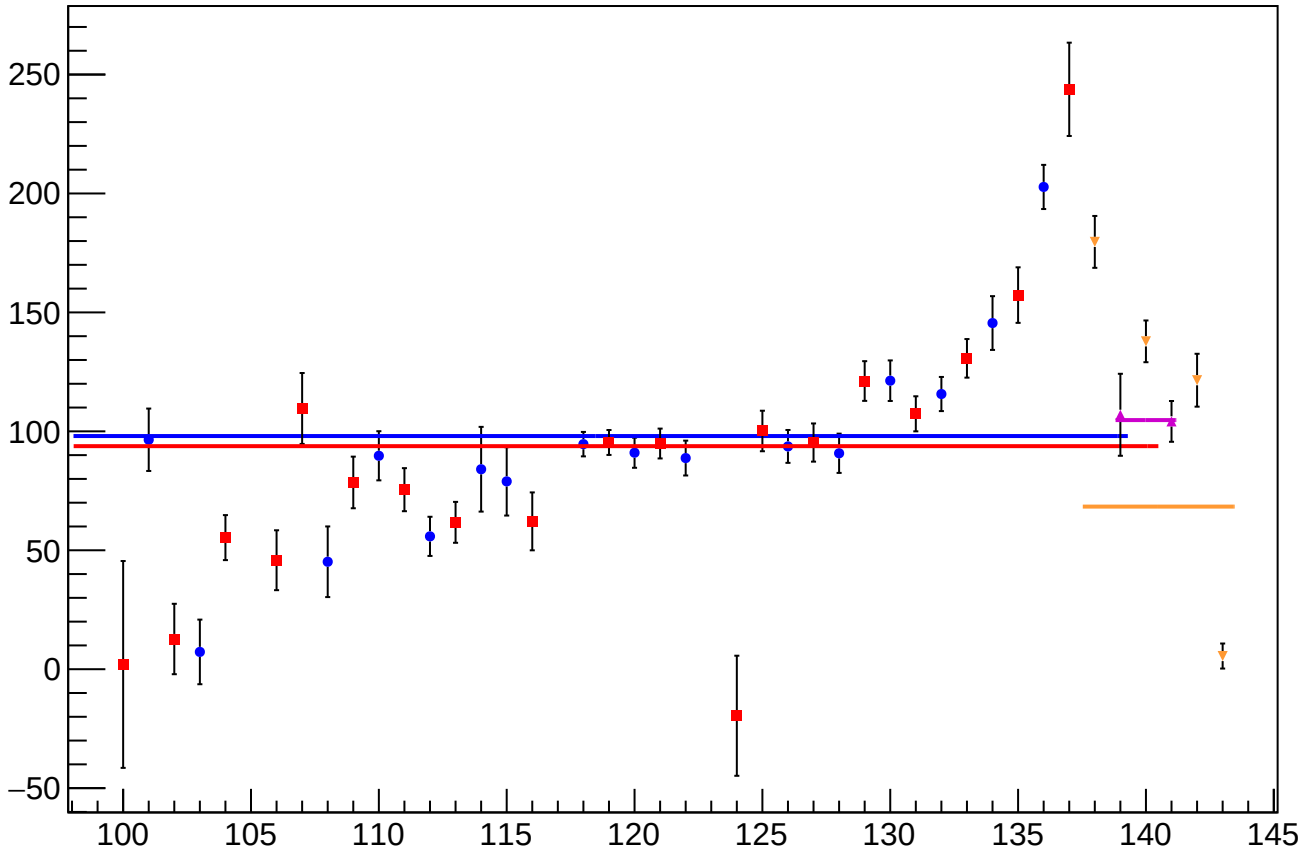
Left: 289.032+/-3.755 χ^2/NDF: 4808.3/5

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 387.162+/-2.020 χ^2/NDF:2870.9/17

Out: 337.240+/-1.857 χ^2/NDF:8018.3/22

All: 360.106+/-1.367 χ^2/NDF: 11220.4/40



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 68.361+/-3.904 χ^2/NDF:332.2/3

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 104.732+/-7.676 χ^2/NDF:0.0/1

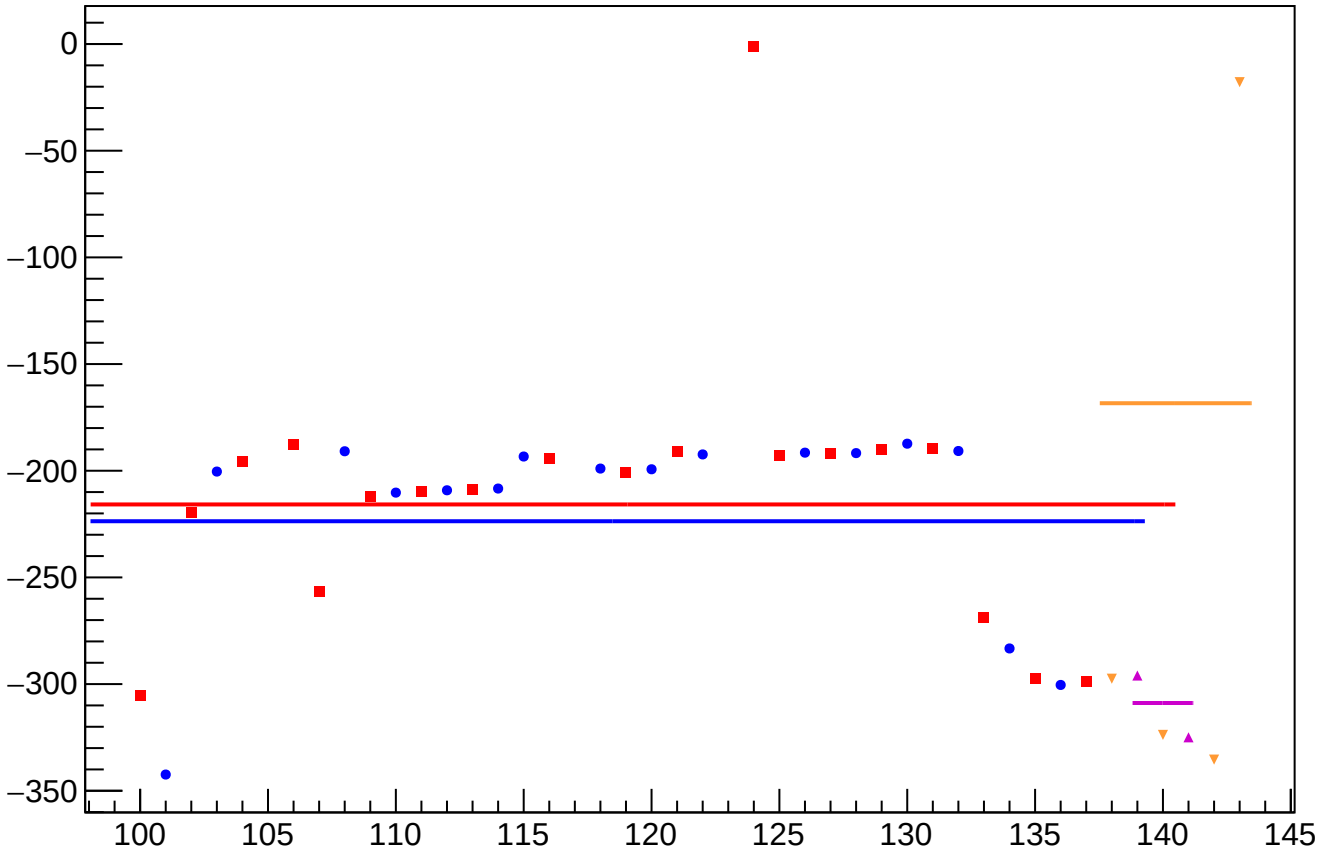
Left: 75.837+/-3.480 χ^2/NDF: 350.0/5

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 98.507+/-2.065 χ^2/NDF:250.2/17

Out: 87.908+/-1.876 χ^2/NDF:601.9/22

All: 92.699+/-1.388 χ^2/NDF: 866.5/40



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -168.355+/-0.184 χ^2/NDF:658890.7/3

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -308.863+/-0.277 χ^2/NDF:2701.2/1

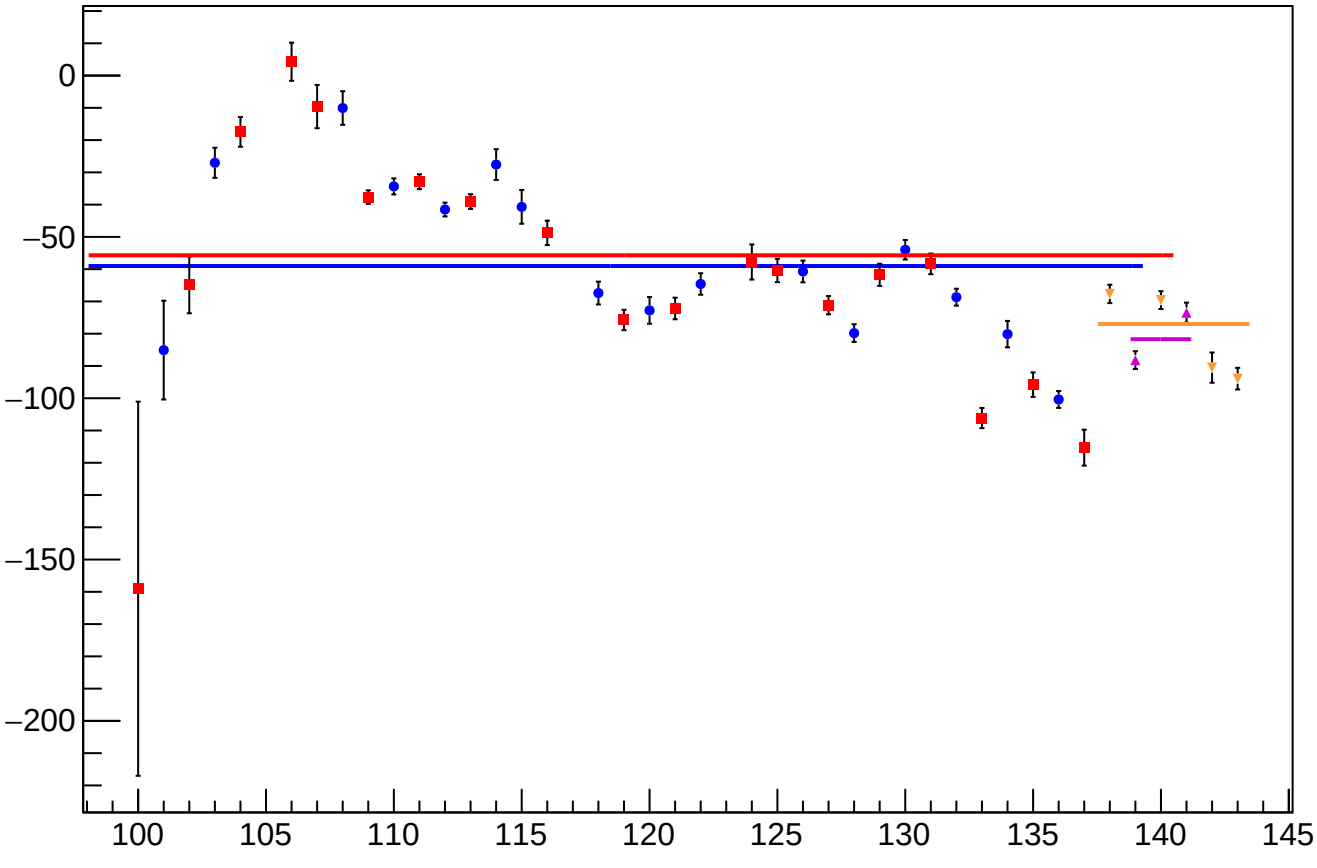
Left: -211.309+/-0.153 χ^2/NDF: 840455.4/5

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -240.680+/-0.124 χ^2/NDF:200030.1/17

Out: -199.272+/-0.108 χ^2/NDF:783875.5/22

All: -217.259+/-0.082 χ^2/NDF: 1047276.4/40



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -77.000+/-1.603 χ^2/NDF:51.8/3

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -81.702+/-2.066 χ^2/NDF:12.5/1

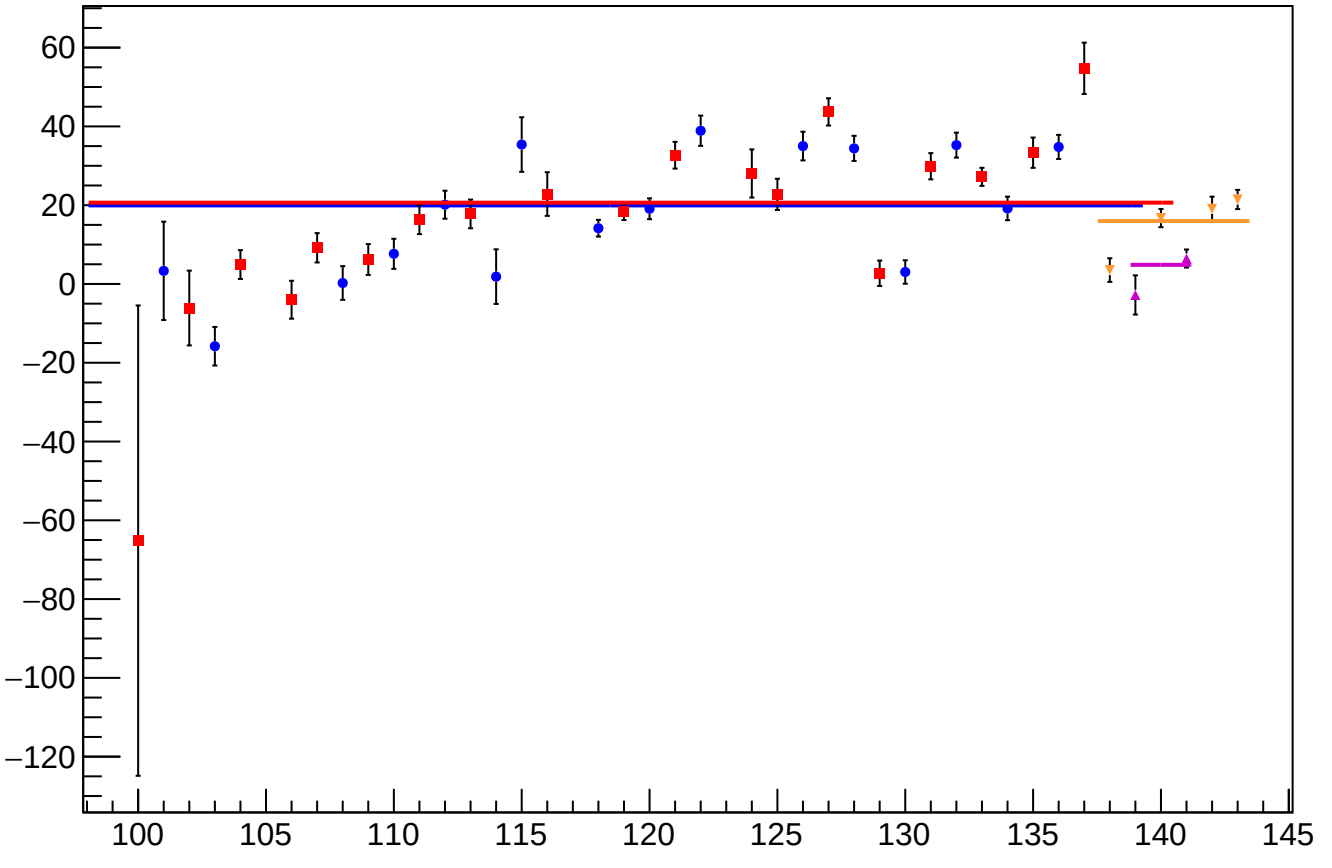
Left: -78.767+/-1.266 χ^2/NDF: 67.5/5

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -62.176+/-0.770 χ^2/NDF:843.5/17

Out: -59.863+/-0.709 χ^2/NDF:1235.0/22

All: -60.924+/-0.521 χ^2/NDF: 2083.4/40



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 15.977+/-1.323 χ^2/NDF:23.3/3

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 4.851+/-2.079 χ^2/NDF:2.8/1

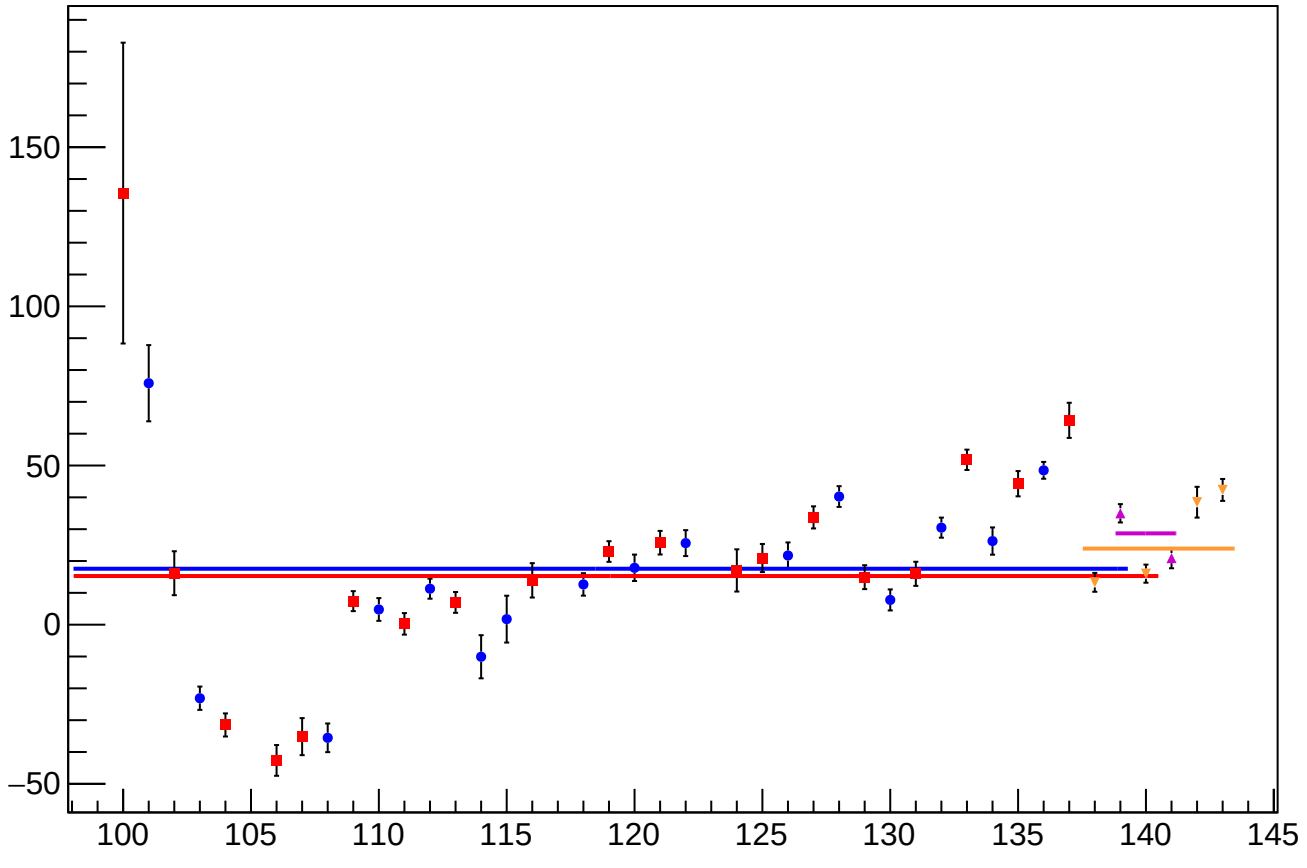
Left: 12.769+/-1.116 χ^2/NDF: 46.6/5

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 17.708+/-0.800 χ^2/NDF:294.9/17

Out: 19.294+/-0.711 χ^2/NDF:256.9/22

All: 18.594+/-0.532 χ^2/NDF: 554.1/40



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 23.901+/-1.657 χ^2/NDF:58.1/3

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 28.679+/-2.138 χ^2/NDF:10.7/1

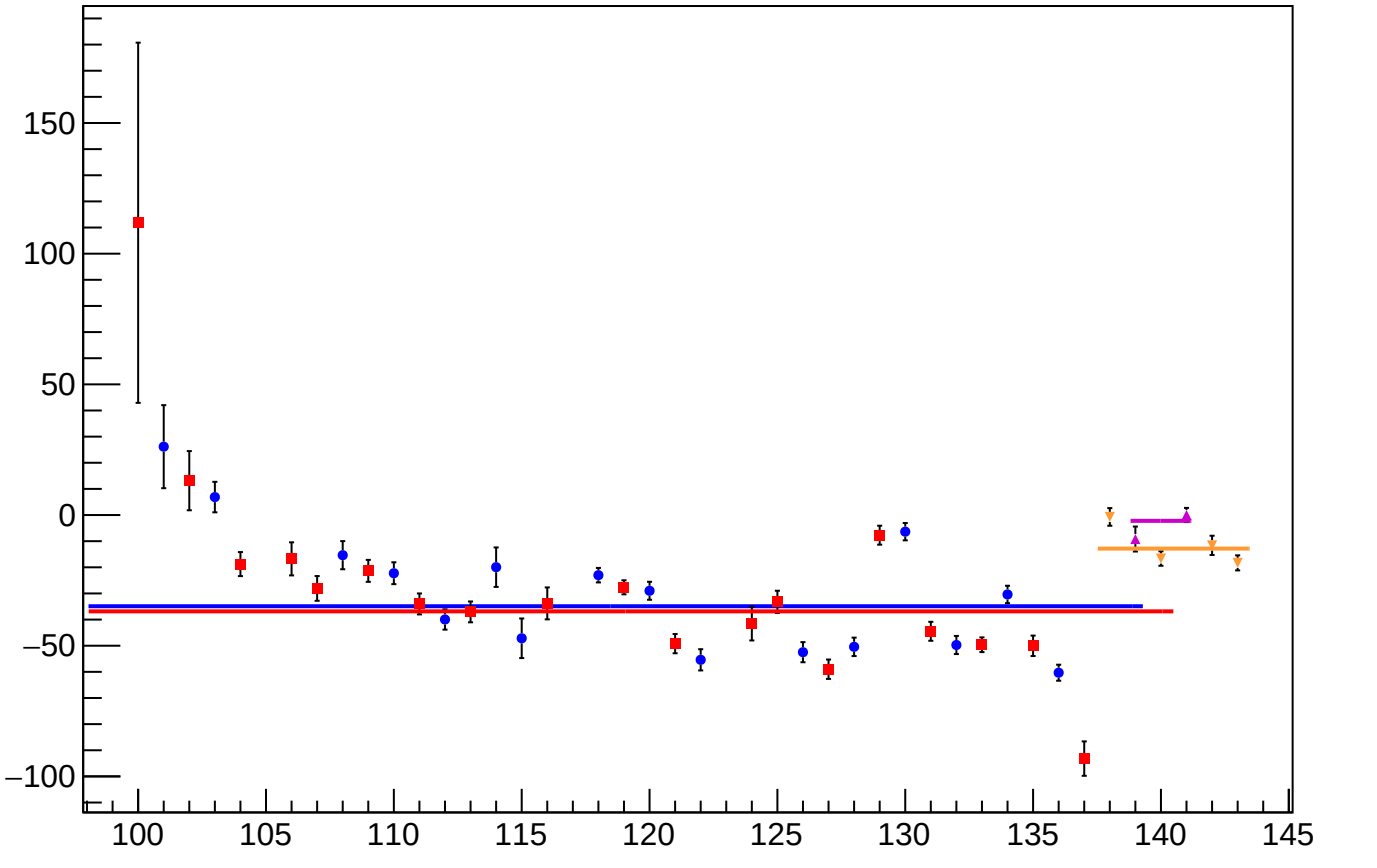
Left: 25.694+/-1.310 χ^2/NDF: 72.0/5

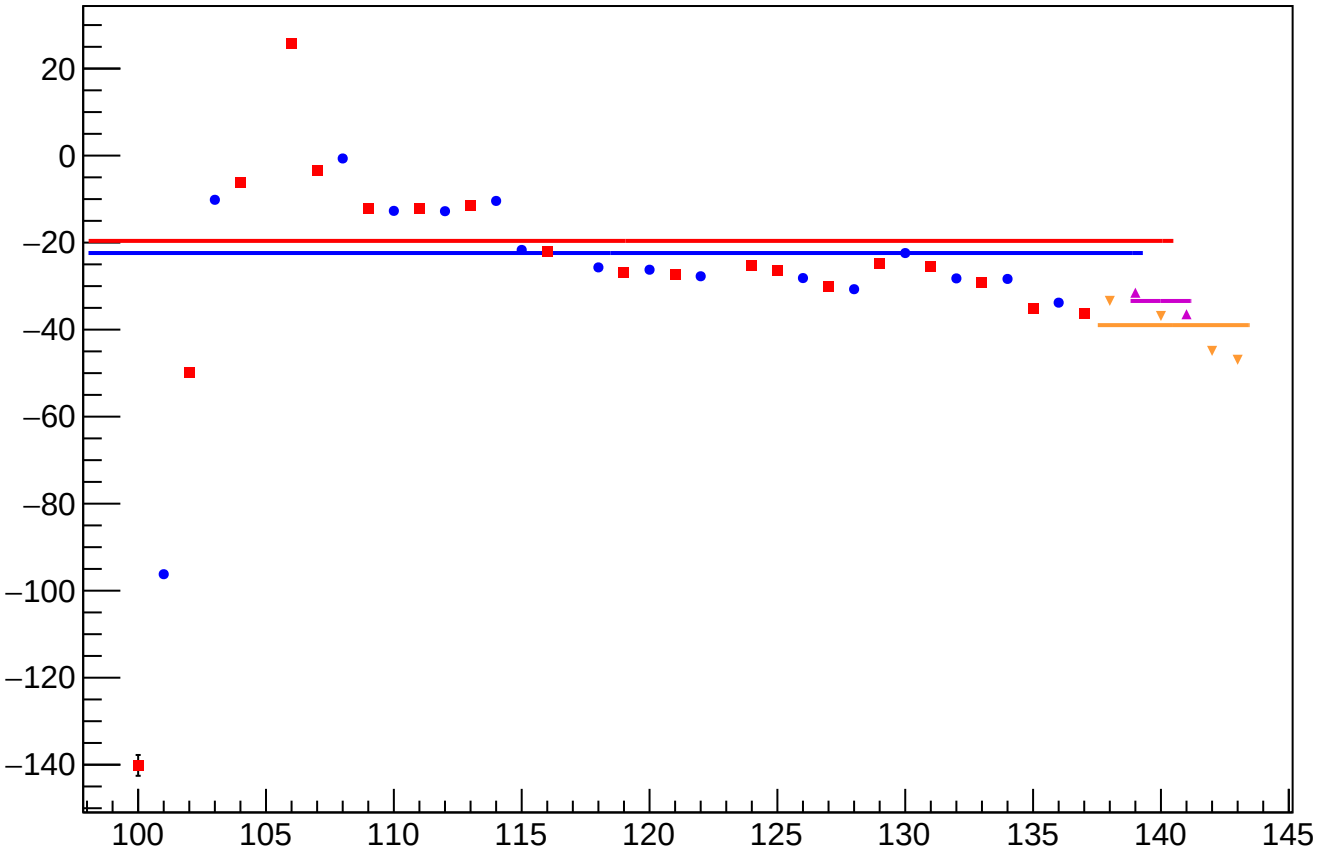
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 19.426+/-0.873 χ^2/NDF:579.4/17

Out: 17.361+/-0.814 χ^2/NDF:808.7/22

All: 18.321+/-0.595 χ^2/NDF: 1391.1/40


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
105
110
115
120
125
130
135
140
145
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -12.839+/-1.556 χ²/NDF:18.5/3
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -2.226+/-2.359 χ²/NDF:2.8/1
Left: -9.621+/-1.299 χ²/NDF: 35.4/5
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -30.004+/-0.913 χ²/NDF:512.5/17
Out: -30.138+/-0.823 χ²/NDF:491.5/22
All: -30.078+/-0.611 χ²/NDF: 1004.0/40



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -38.966+/-0.069 χ^2/NDF:6551.2/3

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -33.413+/-0.081 χ^2/NDF:890.6/1

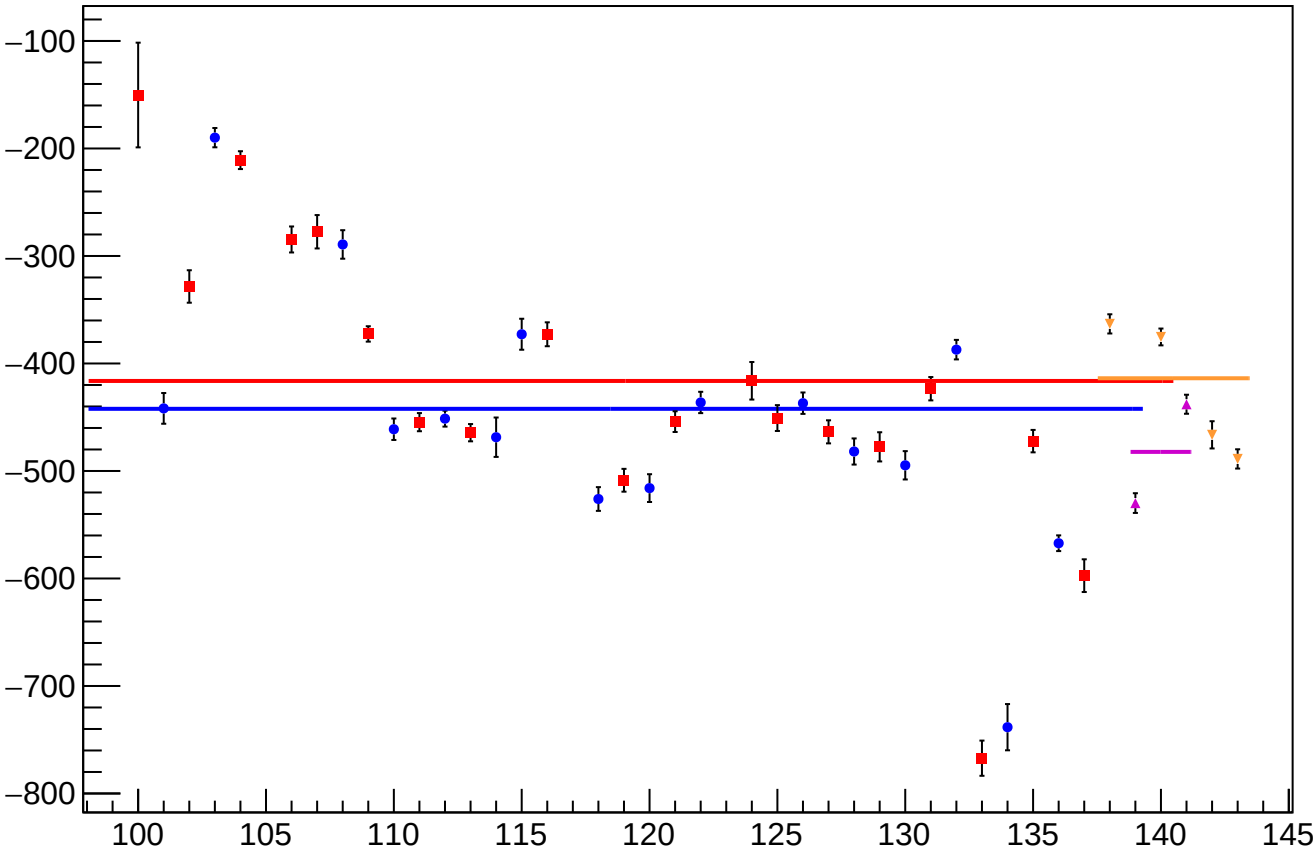
Left: -36.622+/-0.052 χ^2/NDF: 10184.1/5

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -26.176+/-0.047 χ^2/NDF:59677.5/17

Out: -27.868+/-0.045 χ^2/NDF:135683.7/22

All: -27.063+/-0.033 χ^2/NDF: 196033.7/40



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -413.754+/-4.585 χ^2/NDF:143.6/3

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -482.245+/-6.369 χ^2/NDF:52.0/1

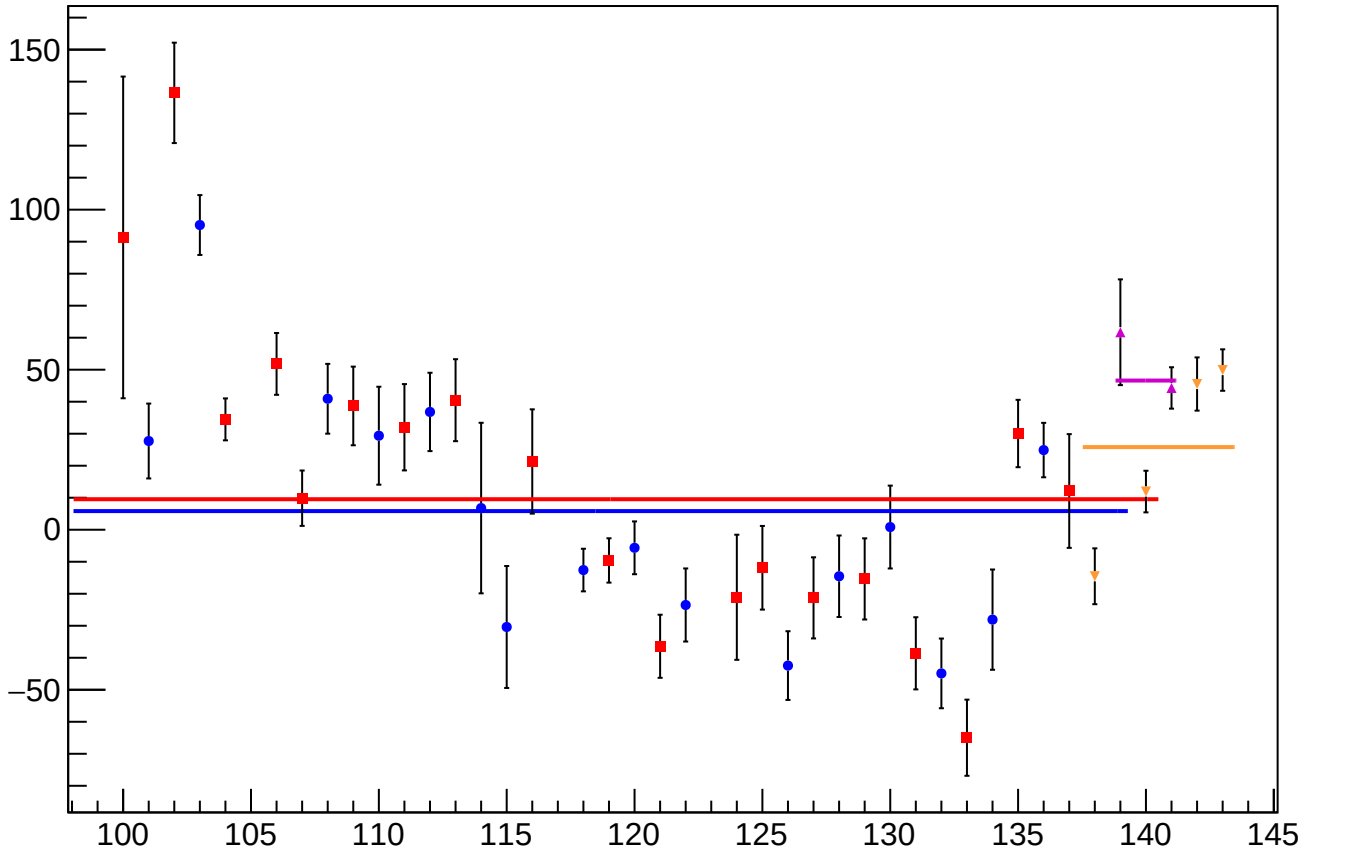
Left: -437.133+/-3.721 χ^2/NDF: 271.7/5

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -448.215+/-2.472 χ^2/NDF:1674.7/17

Out: -415.677+/-2.210 χ^2/NDF:1897.6/22

All: -430.135+/-1.648 χ^2/NDF: 3668.6/40



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 25.819+/-3.649 χ^2/NDF:45.4/3

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 46.610+/-6.021 χ^2/NDF:1.0/1

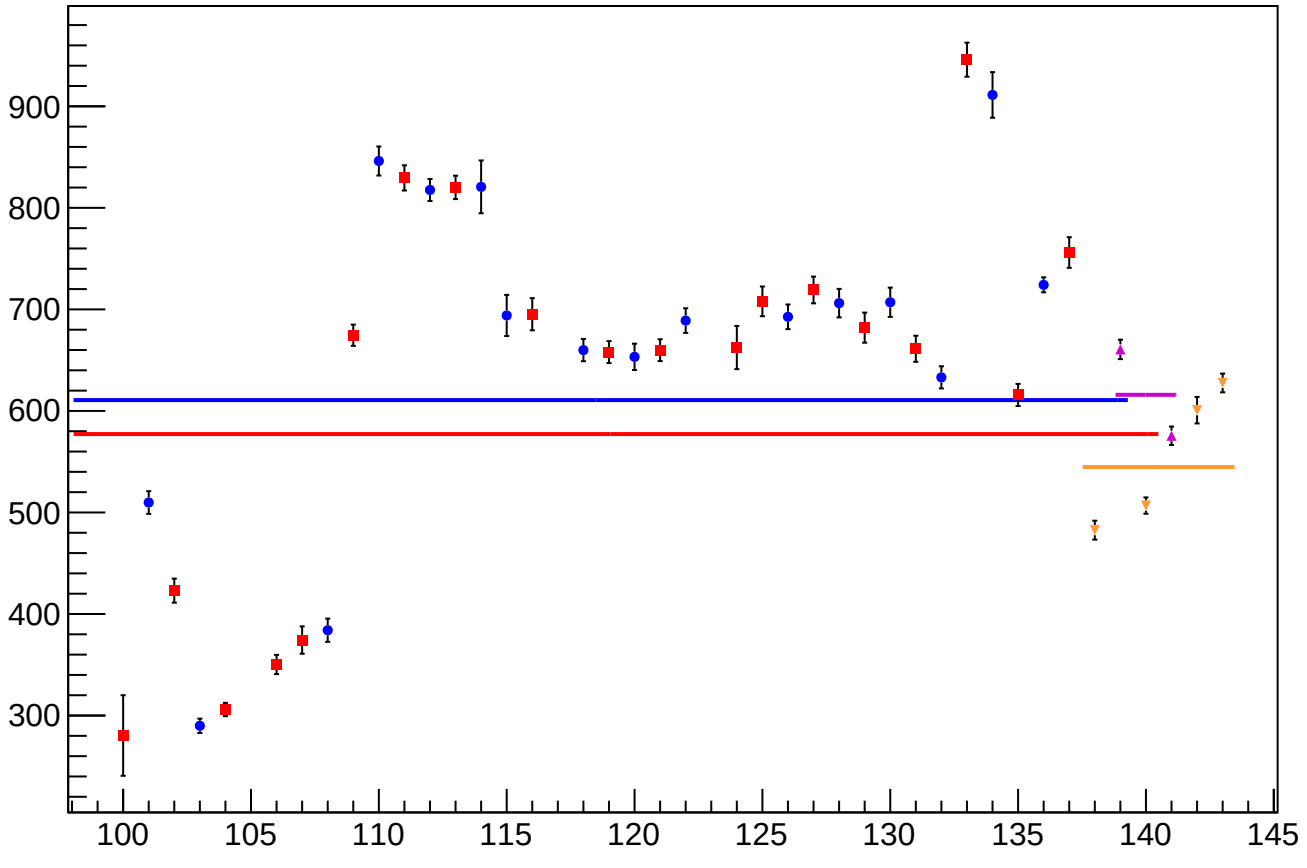
Left: 31.404+/-3.121 χ^2/NDF: 55.1/5

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 12.771+/-2.485 χ^2/NDF:227.2/17

Out: 14.896+/-2.094 χ^2/NDF:280.9/22

All: 14.014+/-1.601 χ^2/NDF: 508.5/40



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 544.752+/-4.734 χ^2/NDF:165.9/3

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 615.878+/-6.584 χ^2/NDF:41.6/1

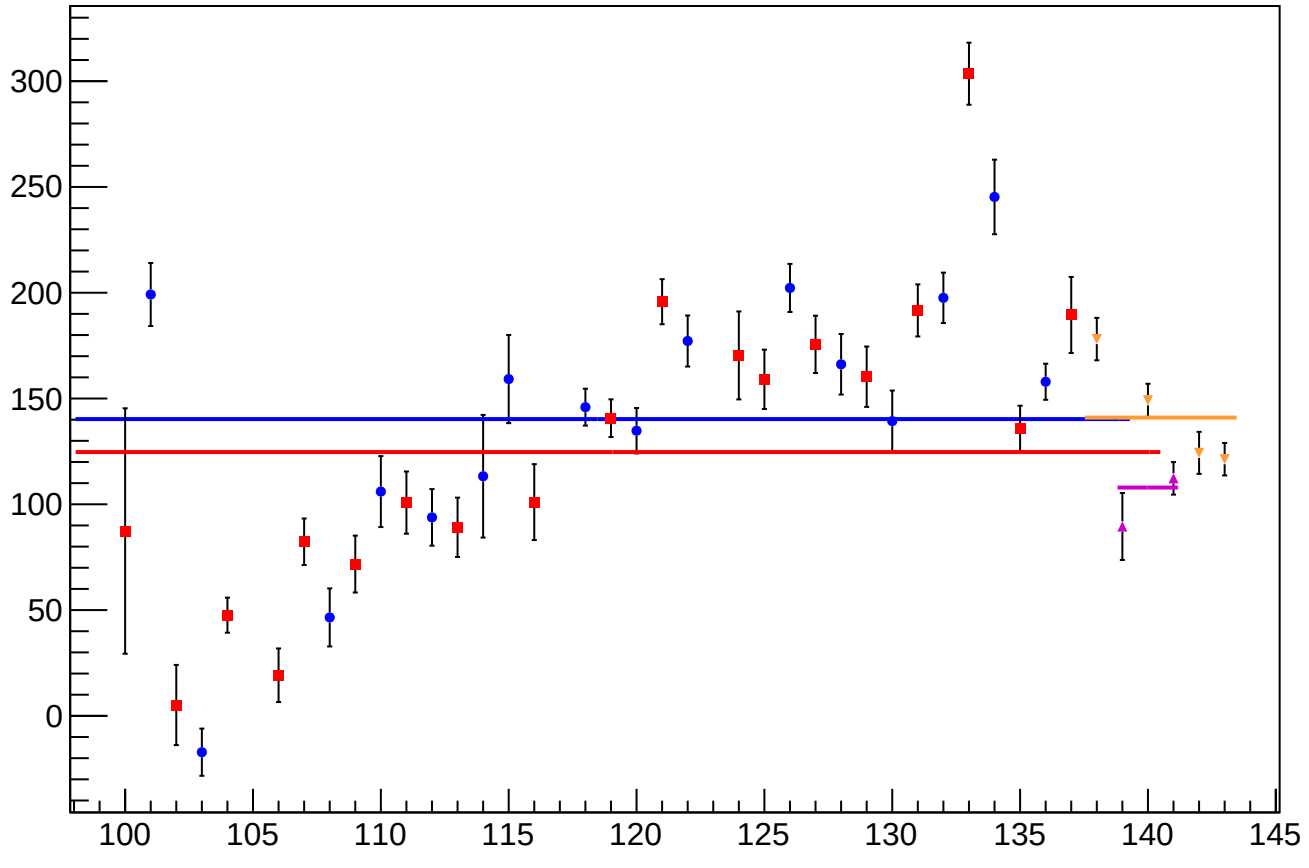
Left: 568.995+/-3.844 χ^2/NDF: 284.5/5

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 611.509+/-2.648 χ^2/NDF:3934.7/17

Out: 568.995+/-2.381 χ^2/NDF:5001.3/22

All: 588.003+/-1.771 χ^2/NDF: 9078.5/40



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 140.986+/-4.327 χ^2/NDF:24.2/3

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 107.923+/-6.924 χ^2/NDF:1.7/1

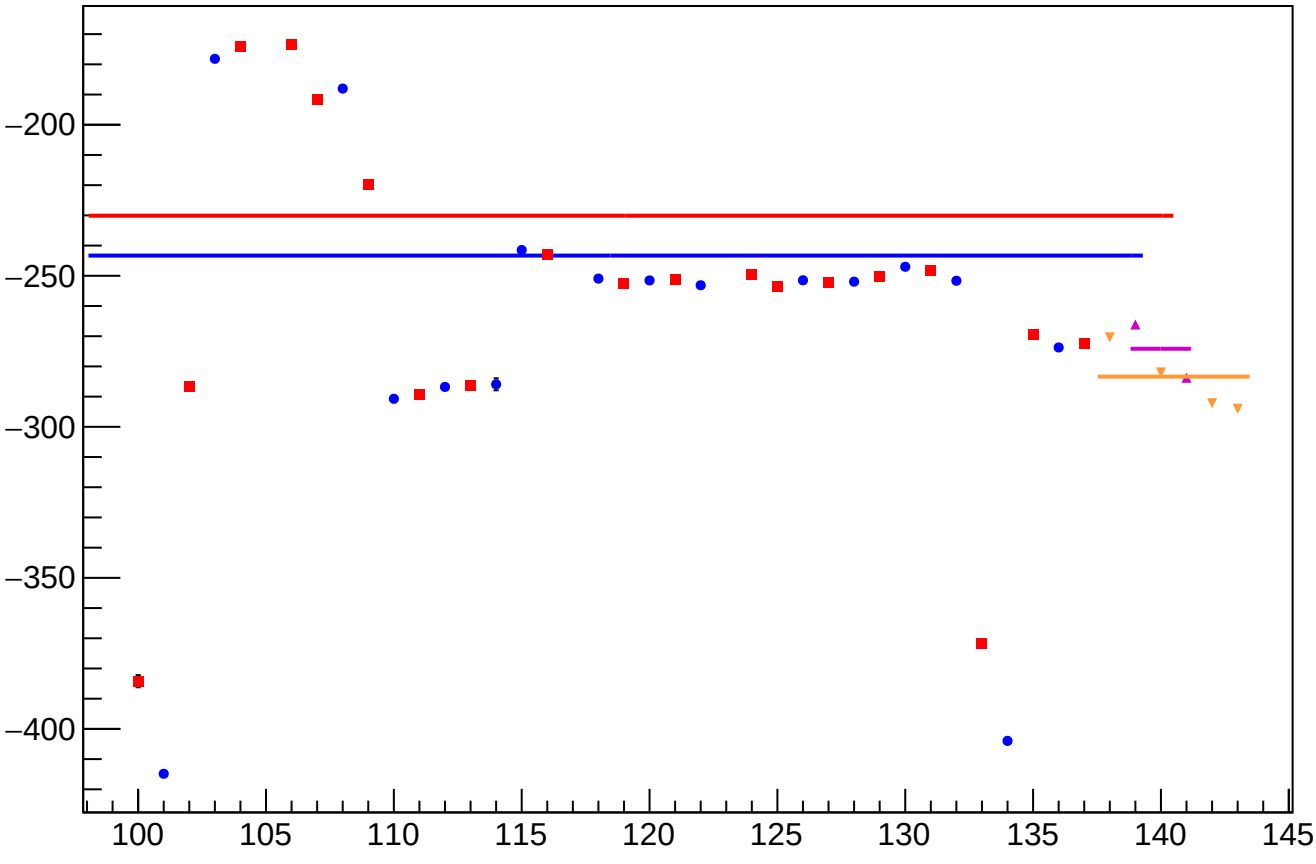
Left: 131.700+/-3.669 χ^2/NDF: 42.2/5

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 134.726+/-2.868 χ^2/NDF:405.1/17

Out: 129.934+/-2.453 χ^2/NDF:542.3/22

All: 131.959+/-1.864 χ^2/NDF: 949.1/40



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -283.376+/-0.200 χ^2/NDF:2254.2/3

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -274.157+/-0.252 χ^2/NDF:1218.7/1

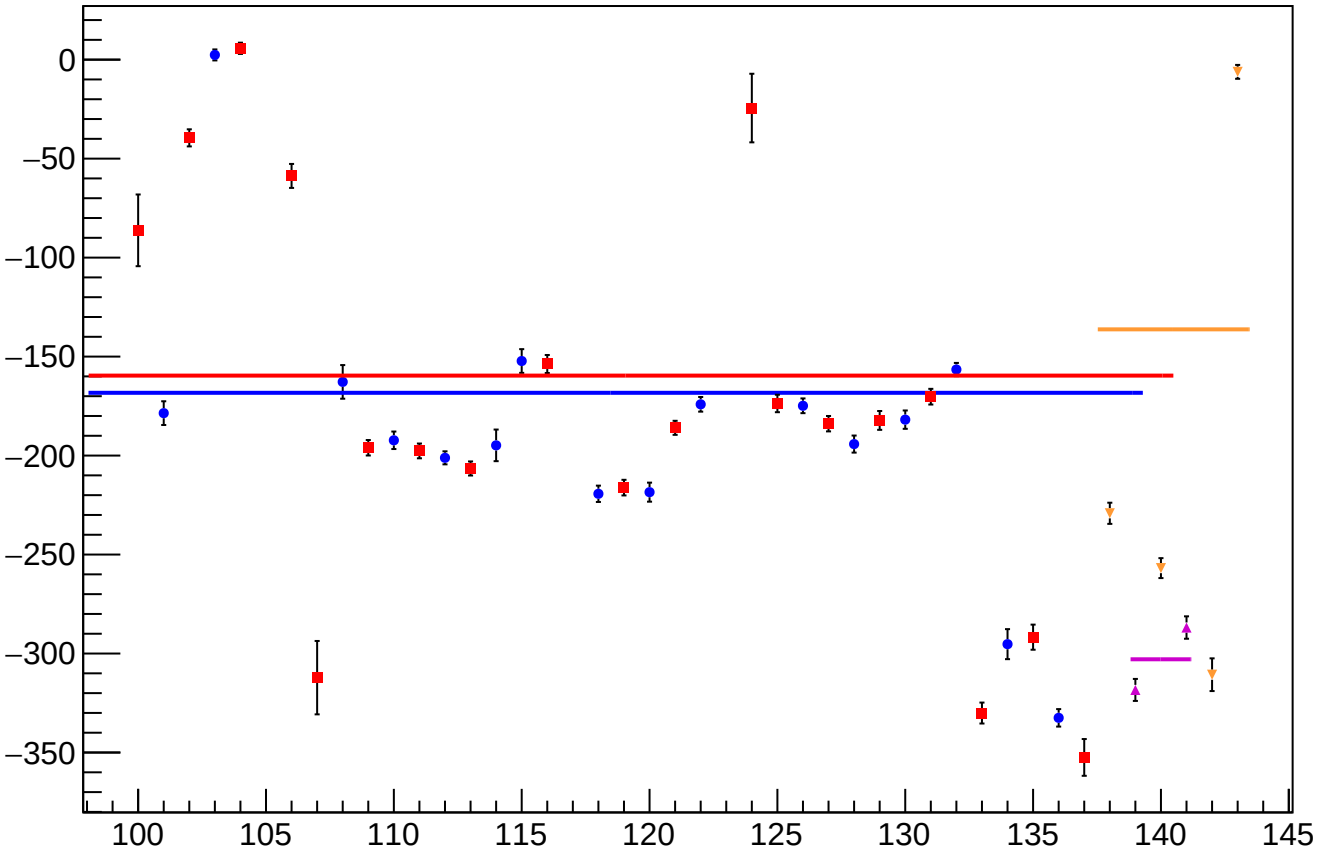
Left: -279.818+/-0.156 χ^2/NDF: 4296.3/5

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.383+/-0.137 χ^2/NDF:185306.9/17

Out: -250.532+/-0.124 χ^2/NDF:148632.2/22

All: -251.365+/-0.092 χ^2/NDF: 334040.1/40



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -136.241+/-2.424 χ^2/NDF:2695.0/3

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -302.909+/-3.965 χ^2/NDF:15.8/1

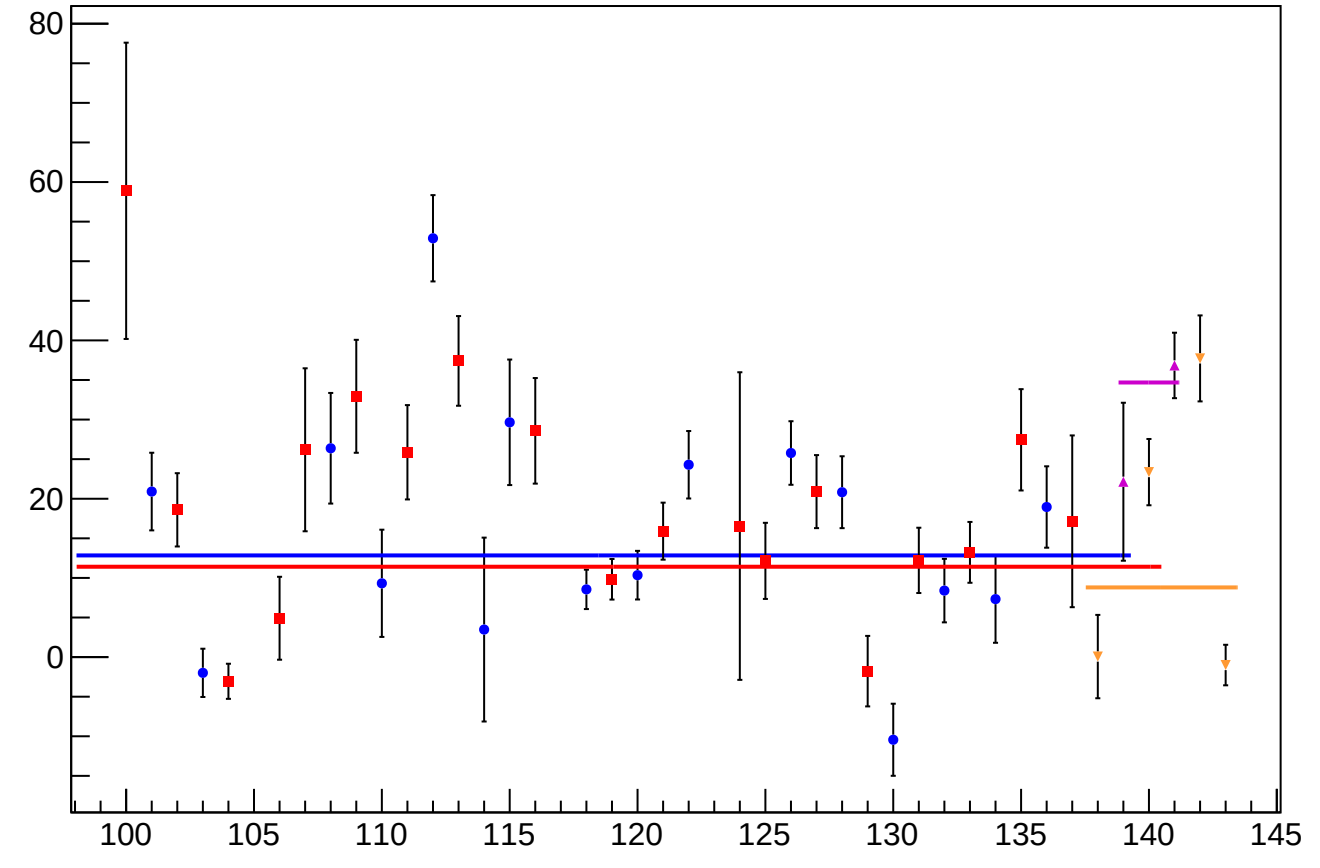
Left: -181.568+/-2.068 χ^2/NDF: 3997.0/5

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -177.520+/-1.038 χ^2/NDF:6996.9/17

Out: -155.955+/-0.958 χ^2/NDF:9971.3/22

All: -165.867+/-0.704 χ^2/NDF: 17201.3/40



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.800+/-1.891 χ^2/NDF:57.9/3

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 34.684+/-3.820 χ^2/NDF:1.8/1

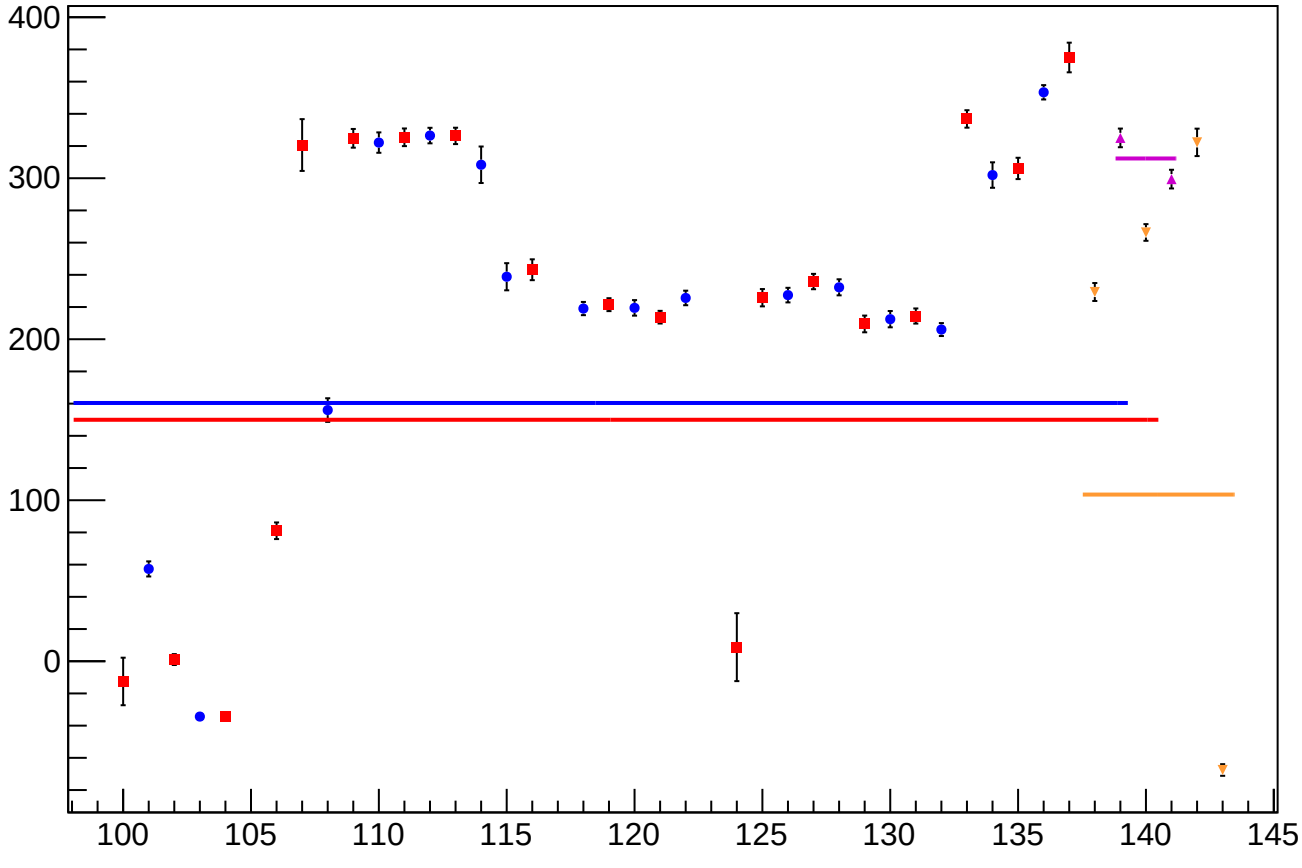
Left: 13.894+/-1.694 χ^2/NDF: 96.6/5

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.449+/-1.036 χ^2/NDF:175.8/17

Out: 10.810+/-0.908 χ^2/NDF:178.9/22

All: 12.391+/-0.683 χ^2/NDF: 361.8/40



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 103.522+/-2.500 χ^2/NDF:4401.9/3

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 312.264+/-4.102 χ^2/NDF:9.7/1

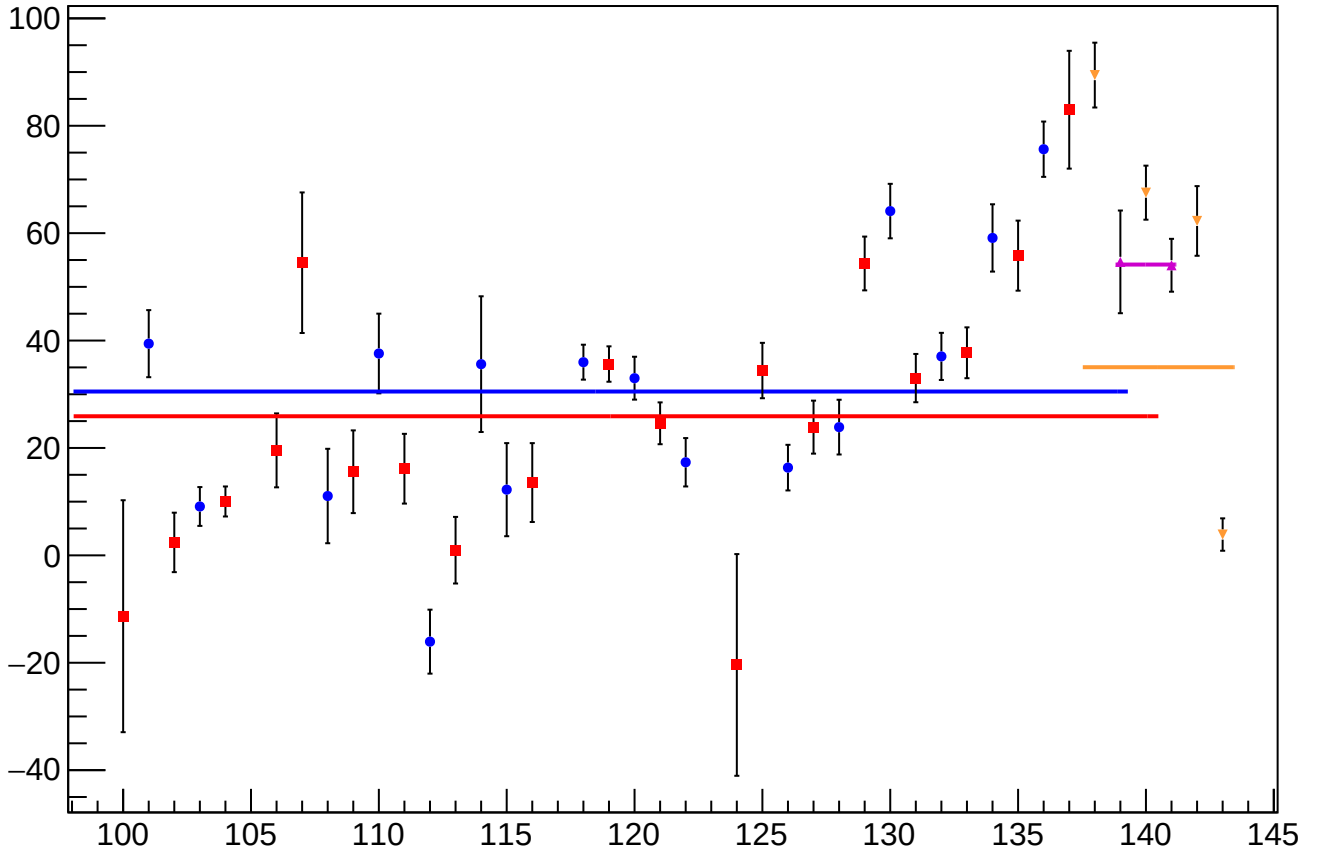
Left: 160.078+/-2.135 χ^2/NDF: 6299.9/5

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 171.279+/-1.097 χ^2/NDF:15232.2/17

Out: 142.364+/-1.012 χ^2/NDF:20955.6/22

All: 155.652+/-0.744 χ^2/NDF: 36562.9/40



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 35.037+/-2.233 χ^2/NDF:247.3/3

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.154+/-4.376 χ^2/NDF:0.0/1

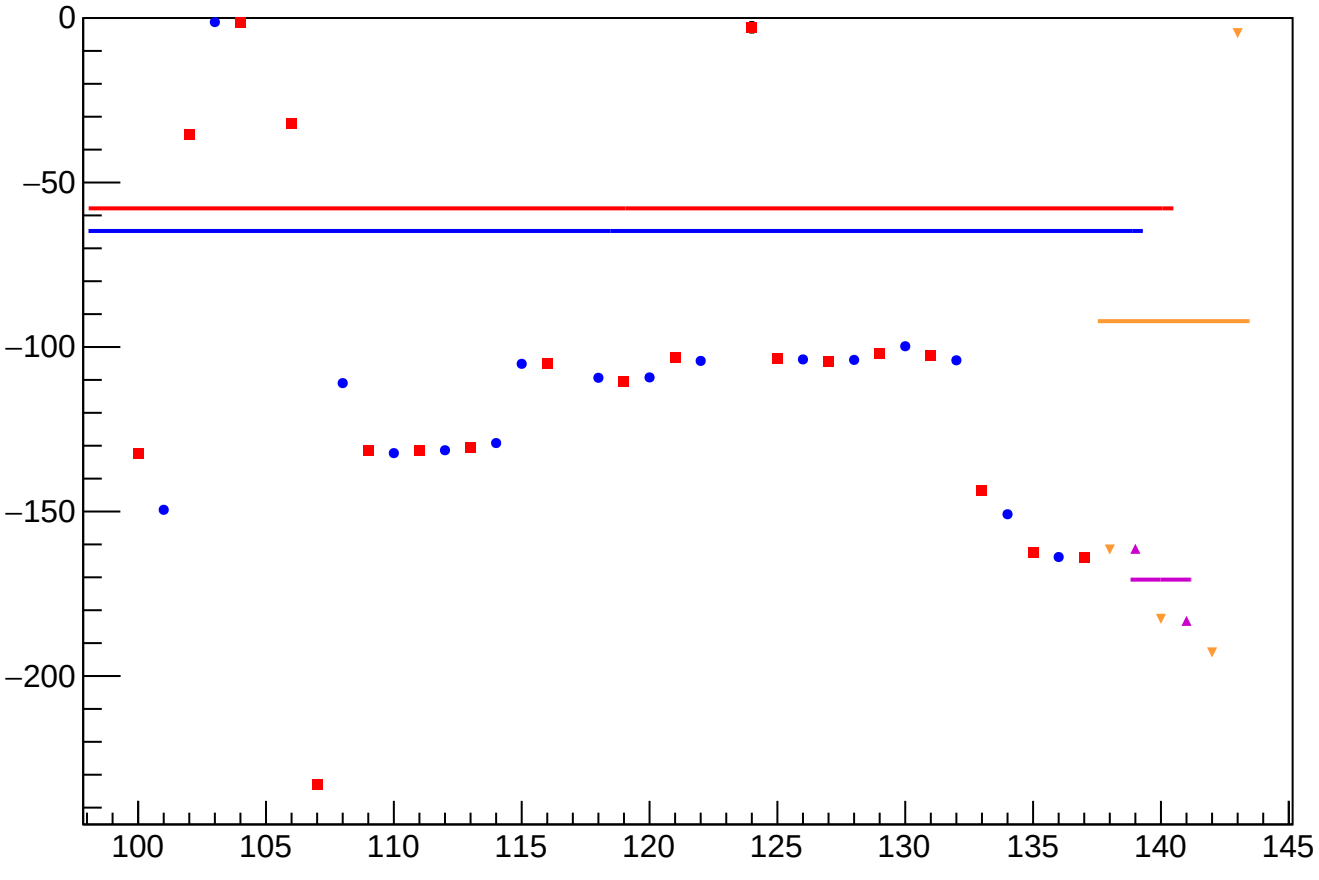
Left: 38.986+/-1.989 χ^2/NDF: 262.4/5

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 32.305+/-1.206 χ^2/NDF:303.9/17

Out: 27.985+/-1.066 χ^2/NDF:448.0/22

All: 29.880+/-0.799 χ^2/NDF: 759.1/40



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -92.137+/-0.105 χ^2/NDF:673553.0/3

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -170.699+/-0.156 χ^2/NDF:4832.6/1

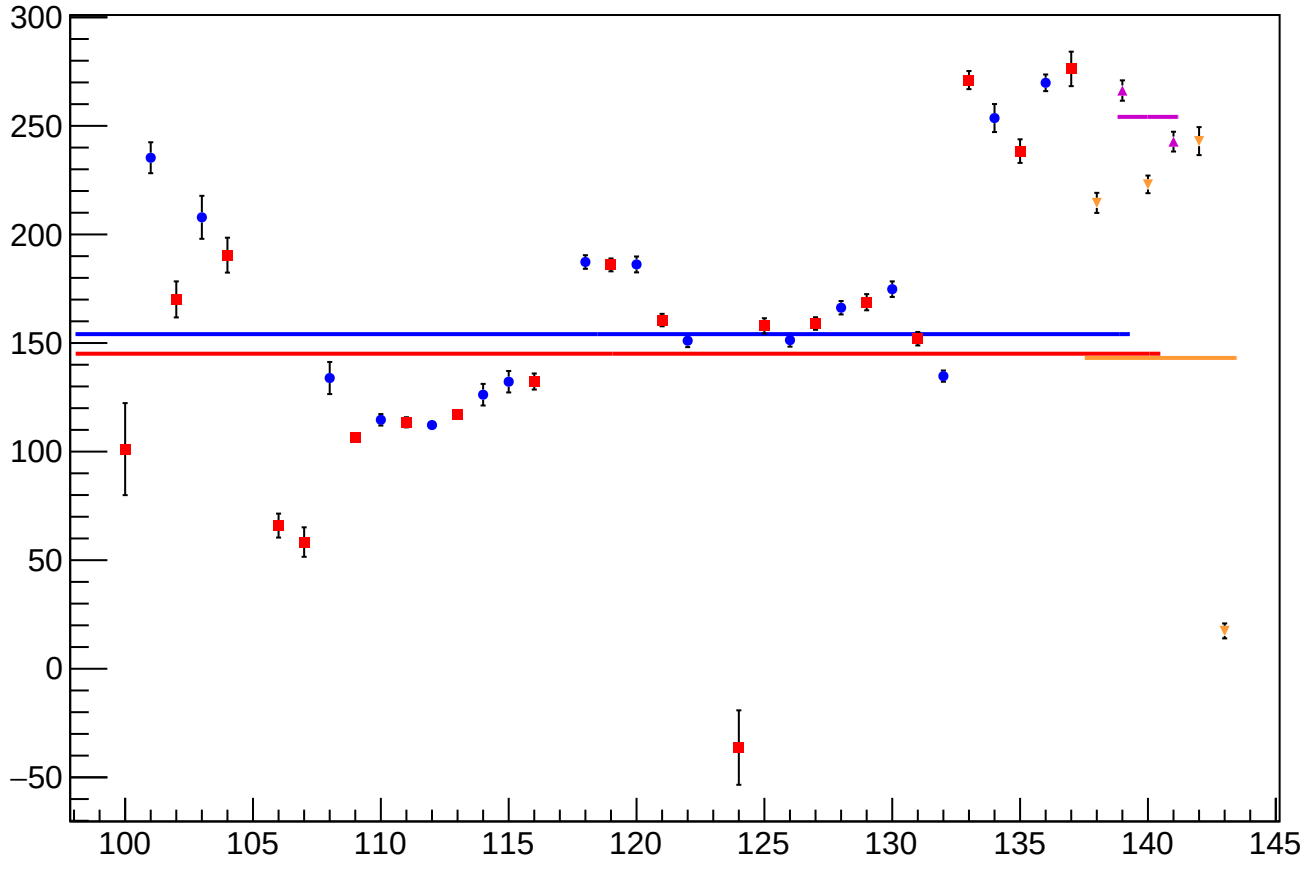
Left: -116.534+/-0.087 χ^2/NDF: 853505.5/5

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -79.928+/-0.059 χ^2/NDF:1445141.0/17

Out: -66.797+/-0.053 χ^2/NDF:1628715.2/22

All: -72.710+/-0.040 χ^2/NDF: 3101047.5/40



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 143.141+/-2.153 χ^2/NDF:2197.6/3

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 254.144+/-3.270 χ^2/NDF:12.9/1

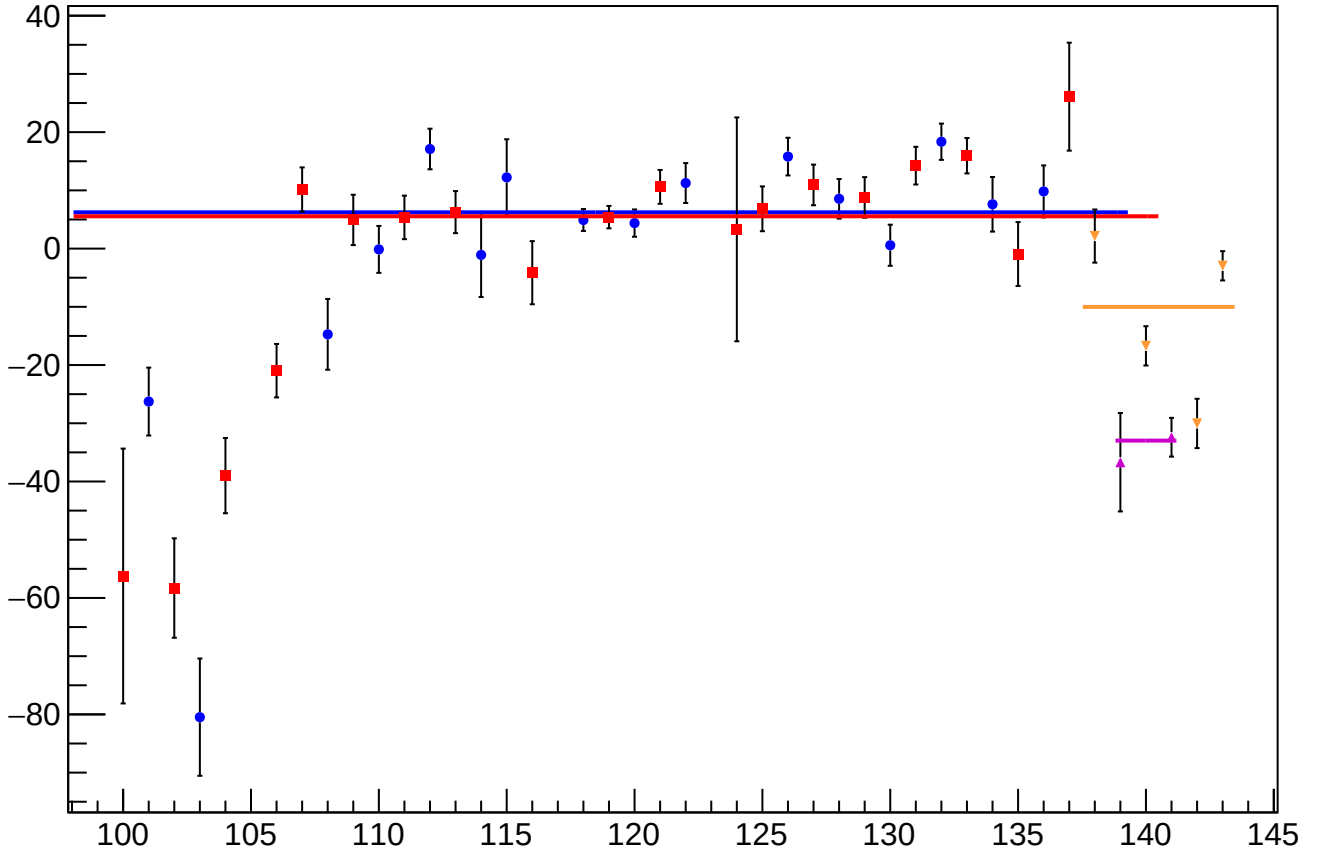
Left: 176.705+/-1.798 χ^2/NDF: 3014.5/5

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 160.698+/-0.840 χ^2/NDF:3168.5/17

Out: 144.834+/-0.771 χ^2/NDF:5156.7/22

All: 152.090+/-0.568 χ^2/NDF: 8518.7/40



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -10.017+/-1.690 χ^2/NDF:41.3/3

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -32.974+/-3.099 χ^2/NDF:0.2/1

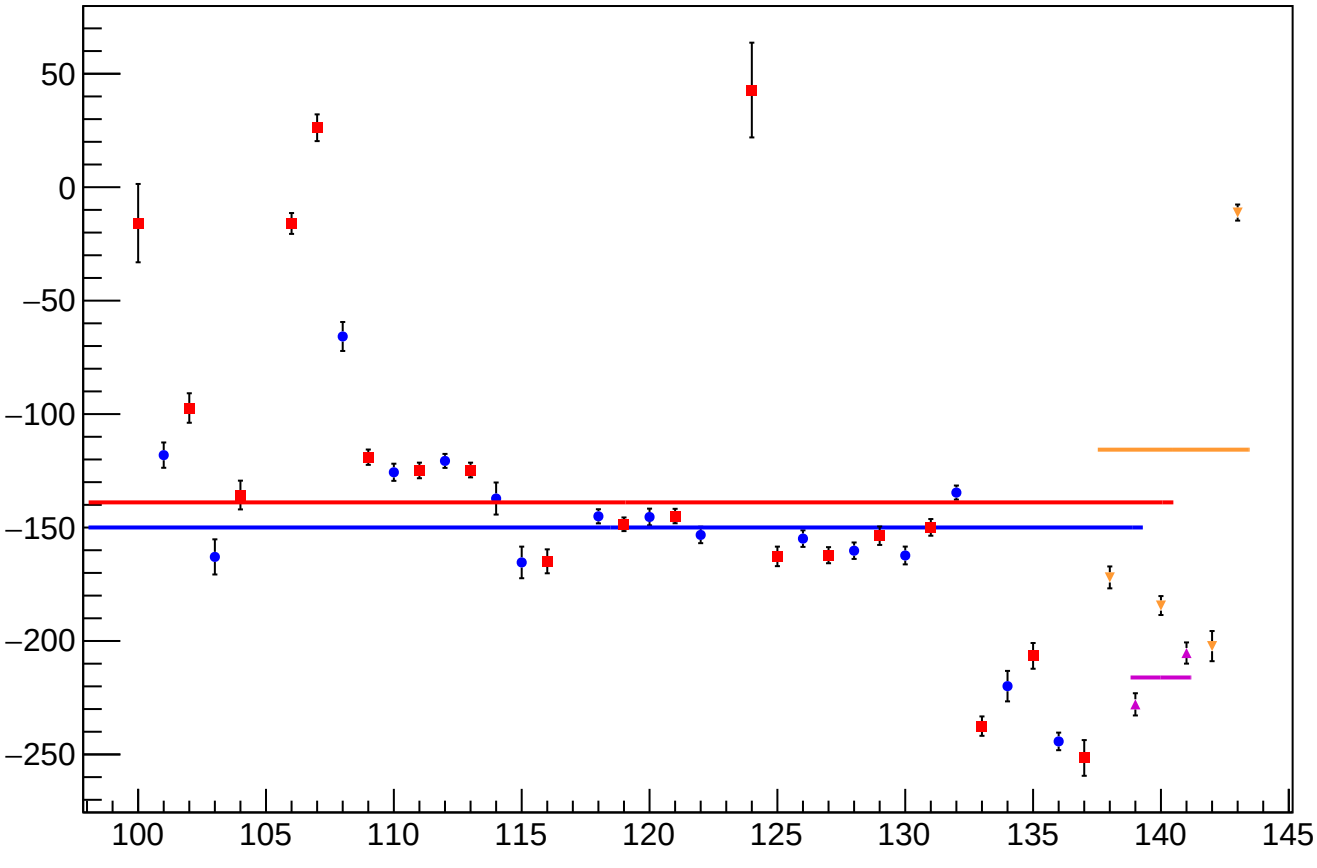
Left: -15.282+/-1.484 χ^2/NDF: 83.8/5

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 3.241+/-0.855 χ^2/NDF:310.2/17

Out: 2.173+/-0.787 χ^2/NDF:288.8/22

All: 2.663+/-0.579 χ^2/NDF: 599.8/40



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -115.679+/-2.221 χ^2/NDF:1446.5/3

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -216.088+/-3.380 χ^2/NDF:11.2/1

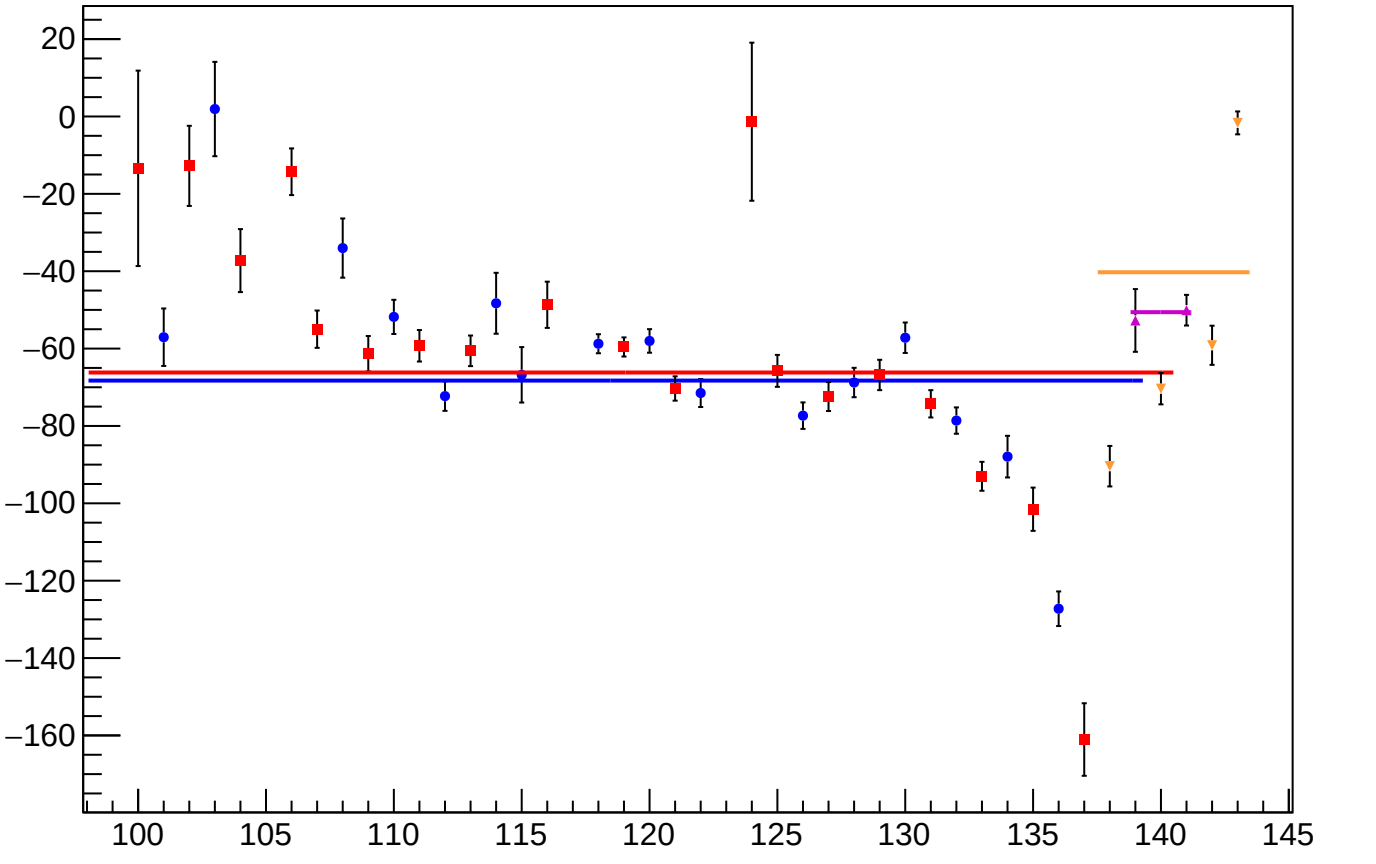
Left: -145.965+/-1.856 χ^2/NDF: 2073.9/5

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -155.544+/-0.981 χ^2/NDF:1461.0/17

Out: -135.040+/-0.907 χ^2/NDF:4288.6/22

All: -144.484+/-0.666 χ^2/NDF: 5985.0/40



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -40.265+/-1.998 χ^2/NDF:330.8/3

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -50.585+/-3.560 χ^2/NDF:0.1/1

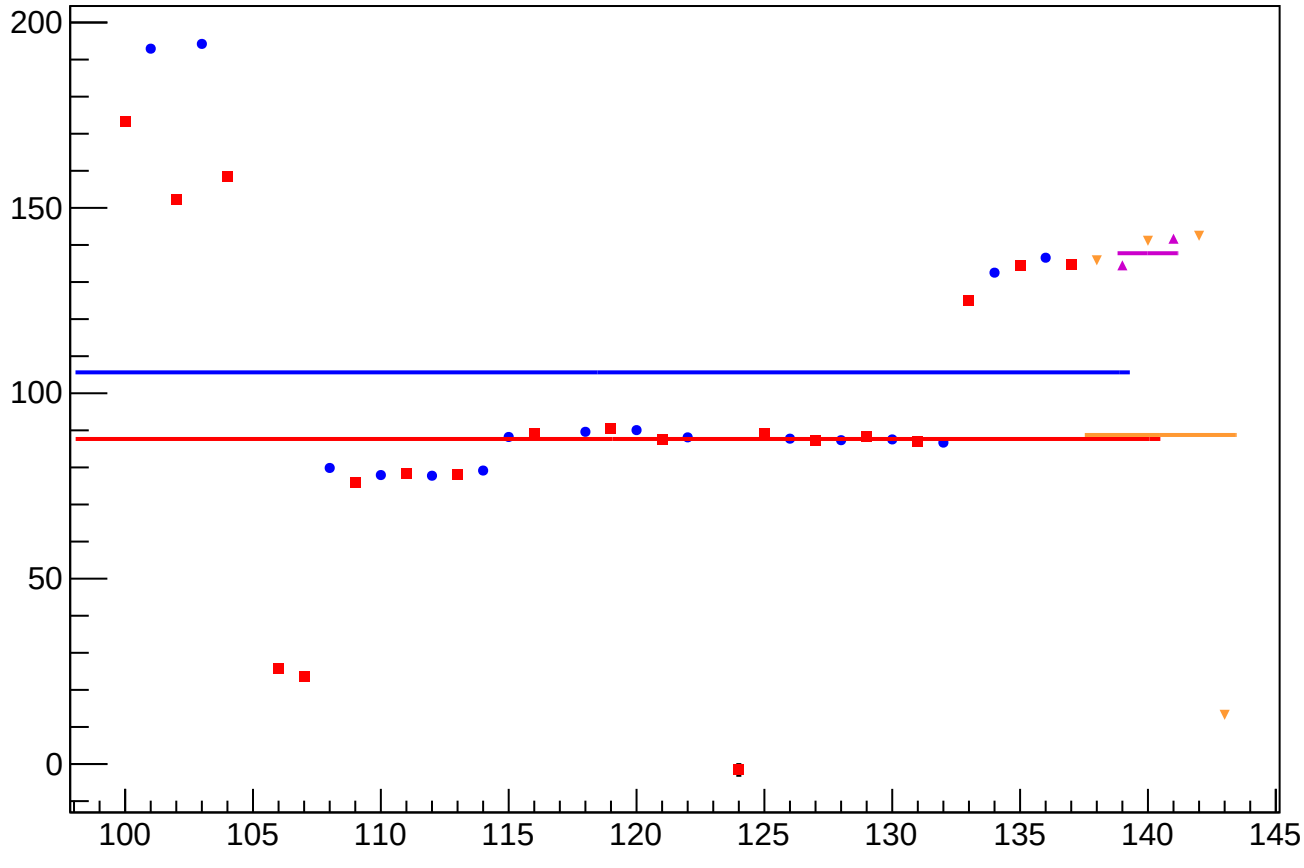
Left: -42.737+/-1.743 χ^2/NDF: 337.3/5

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -66.898+/-0.992 χ^2/NDF:338.2/17

Out: -60.795+/-0.911 χ^2/NDF:822.4/22

All: -63.587+/-0.671 χ^2/NDF: 1181.2/40



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 88.753+/-0.093 χ^2/NDF:440542.6/3

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 137.769+/-0.129 χ^2/NDF:766.7/1

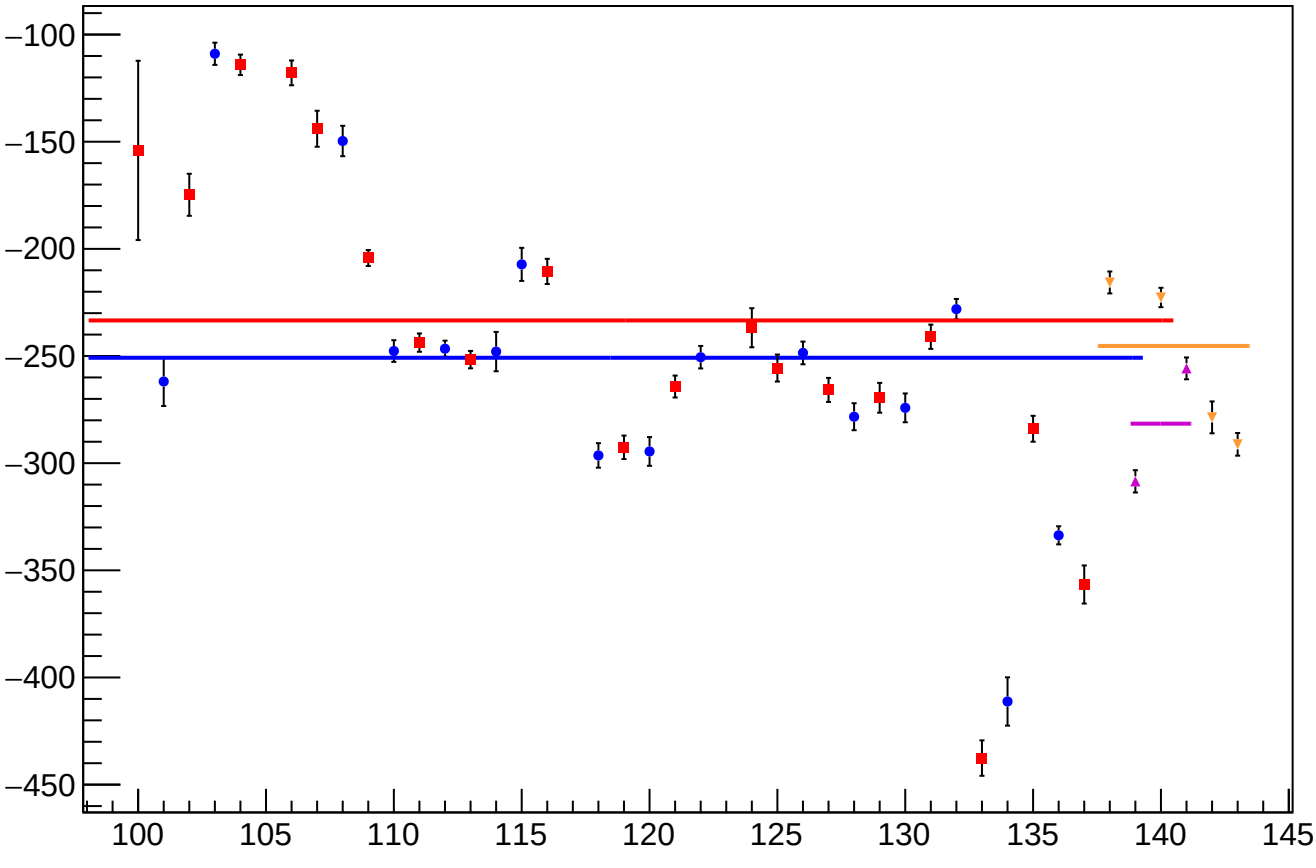
Left: 105.540+/-0.076 χ^2/NDF: 536096.9/5

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 113.074+/-0.062 χ^2/NDF:287987.6/17

Out: 88.031+/-0.054 χ^2/NDF:815093.1/22

All: 98.735+/-0.041 χ^2/NDF: 1196197.6/40



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -245.296+/-2.663 χ^2/NDF:153.9/3

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -281.572+/-3.641 χ^2/NDF:52.4/1

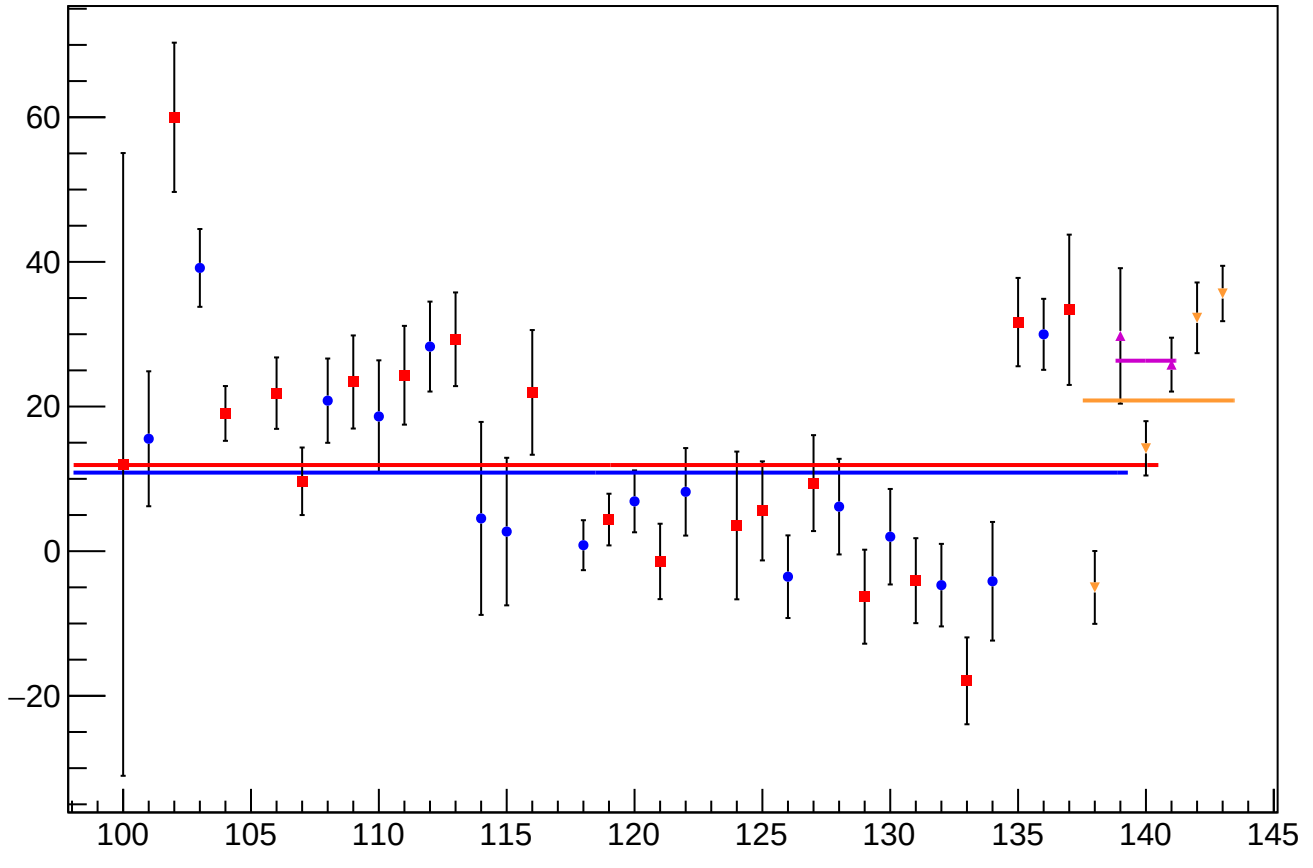
Left: -257.938+/-2.150 χ^2/NDF: 270.9/5

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -254.963+/-1.338 χ^2/NDF:1849.8/17

Out: -235.781+/-1.192 χ^2/NDF:2548.4/22

All: -244.273+/-0.890 χ^2/NDF: 4512.8/40



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.837+/-2.130 χ^2/NDF:49.9/3

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 26.337+/-3.461 χ^2/NDF:0.2/1

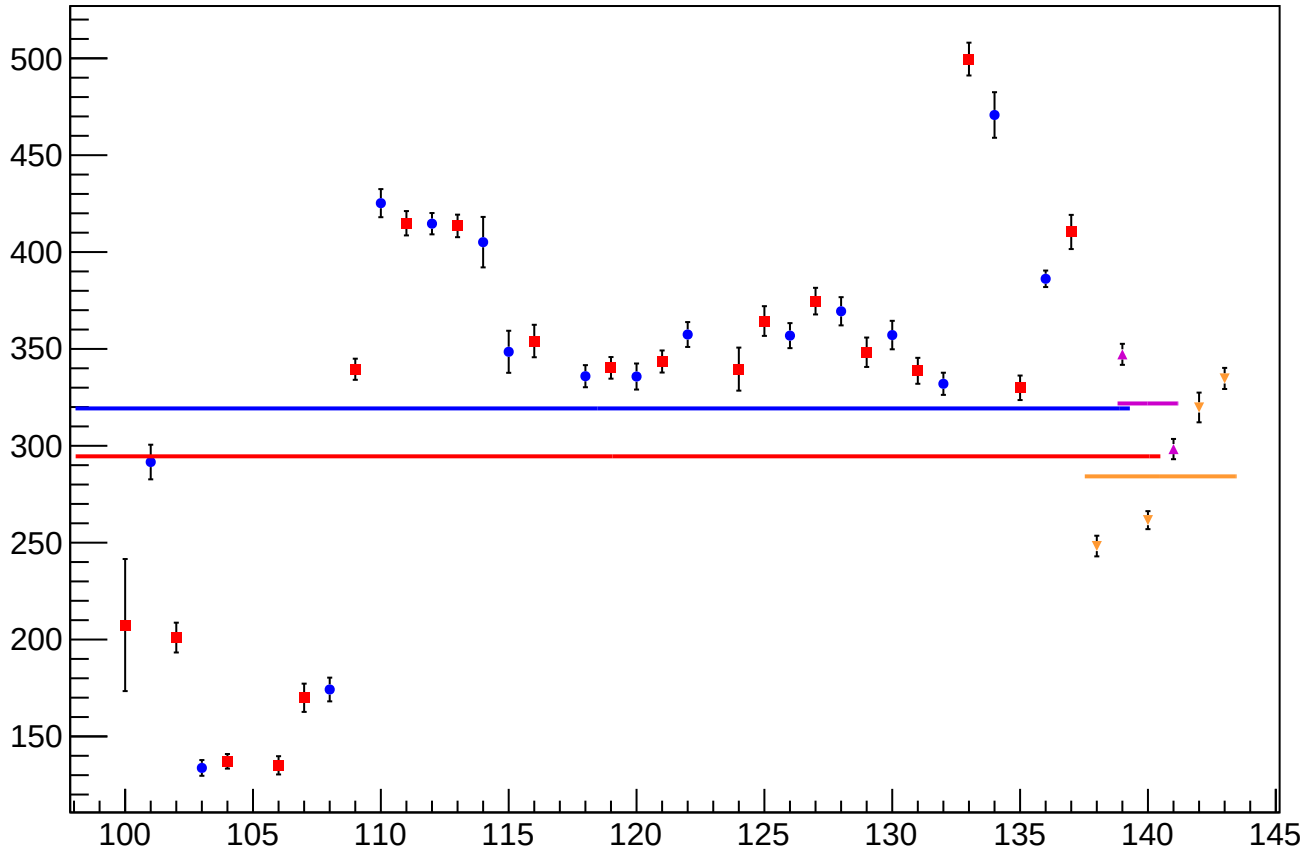
Left: 22.348+/-1.814 χ^2/NDF: 51.8/5

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 13.230+/-1.353 χ^2/NDF:101.7/17

Out: 14.517+/-1.151 χ^2/NDF:174.2/22

All: 13.977+/-0.877 χ^2/NDF: 276.5/40



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 284.220+/-2.750 χ^2/NDF:176.9/3

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 321.852+/-3.764 χ^2/NDF:42.1/1

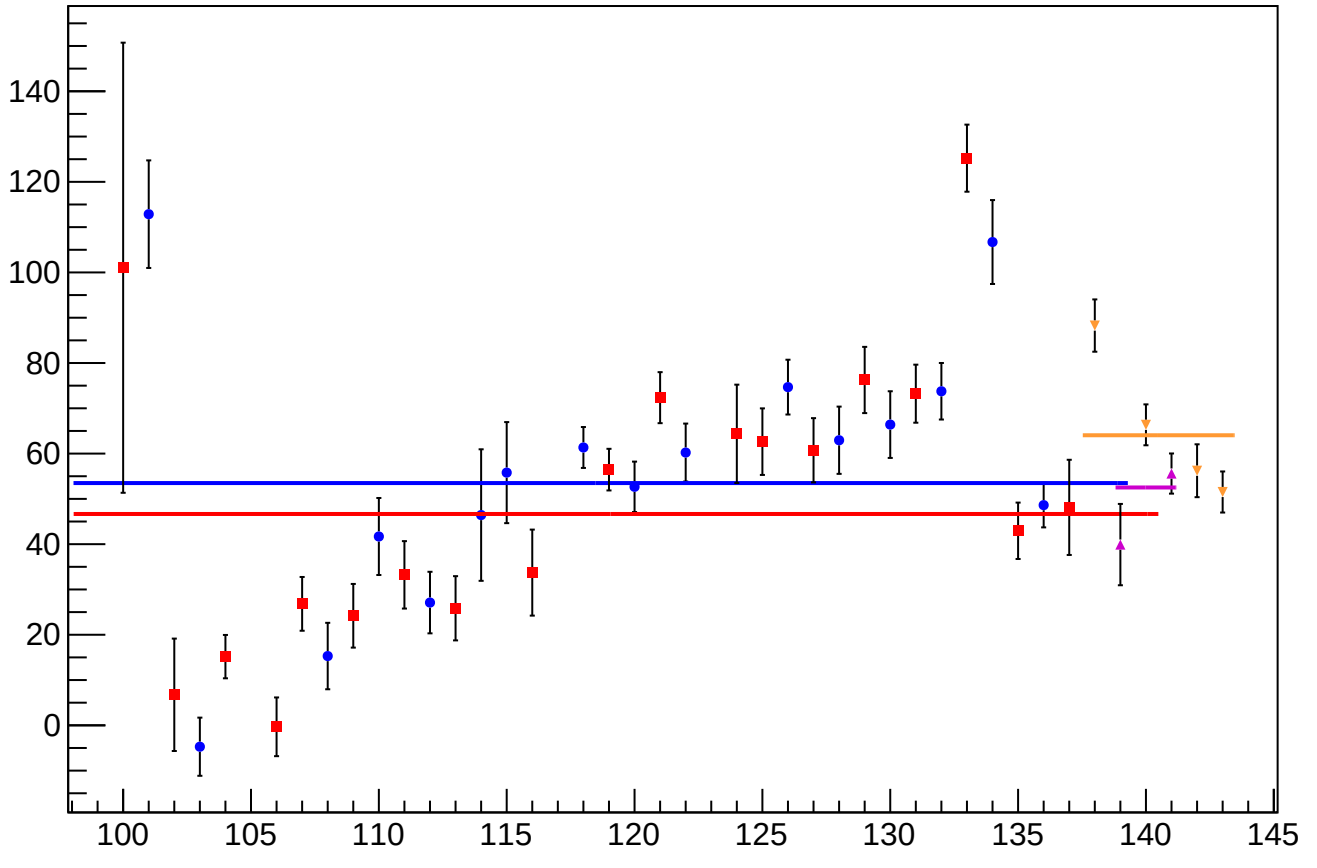
Left: 297.314+/-2.221 χ^2/NDF: 284.2/5

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 319.679+/-1.462 χ^2/NDF:3835.4/17

Out: 292.240+/-1.304 χ^2/NDF:5691.0/22

All: 304.403+/-0.973 χ^2/NDF: 9722.7/40



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 64.048+/-2.524 χ^2/NDF:27.3/3

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 52.518+/-3.975 χ^2/NDF:2.5/1

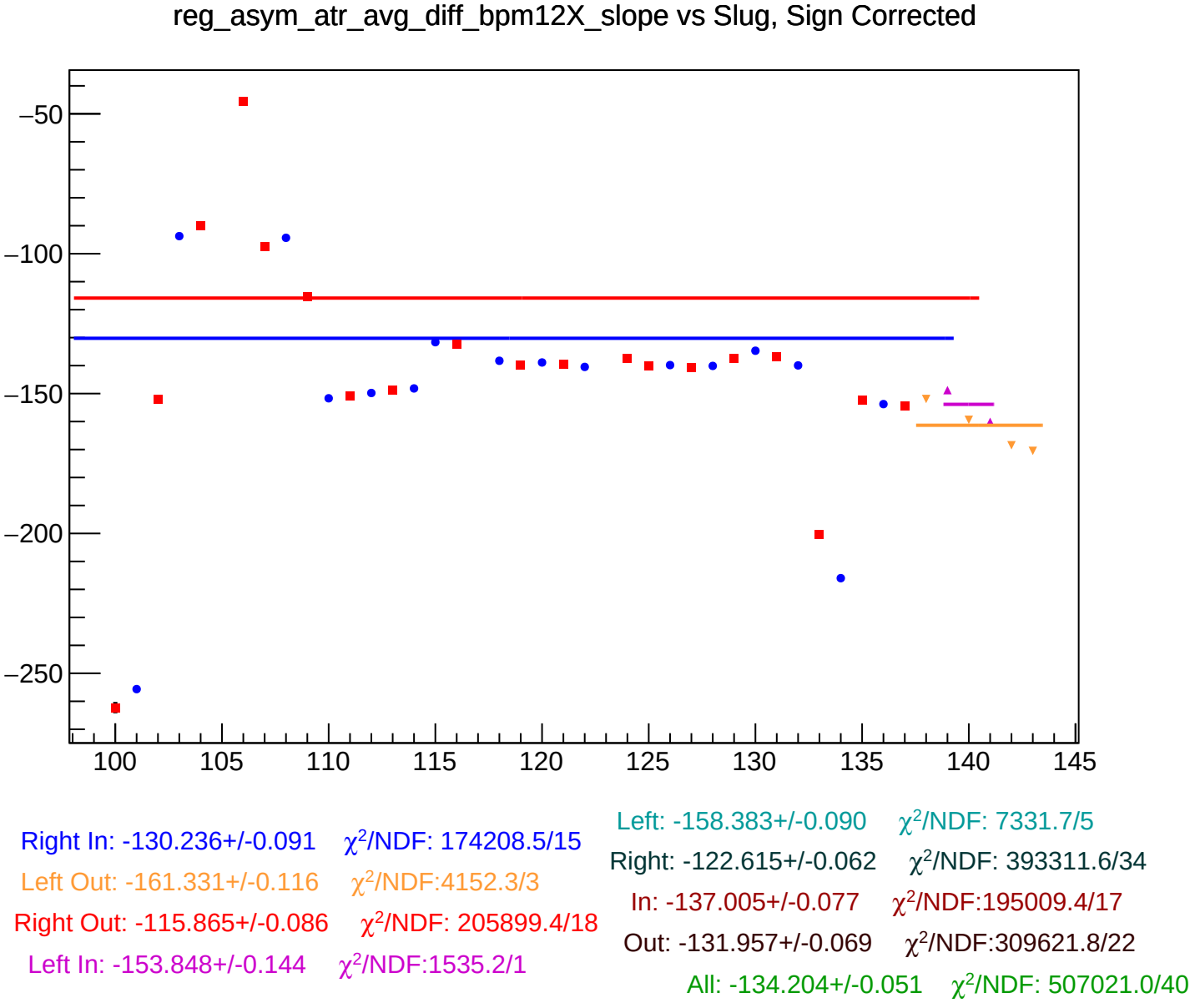
Left: 60.736+/-2.131 χ^2/NDF: 35.7/5

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

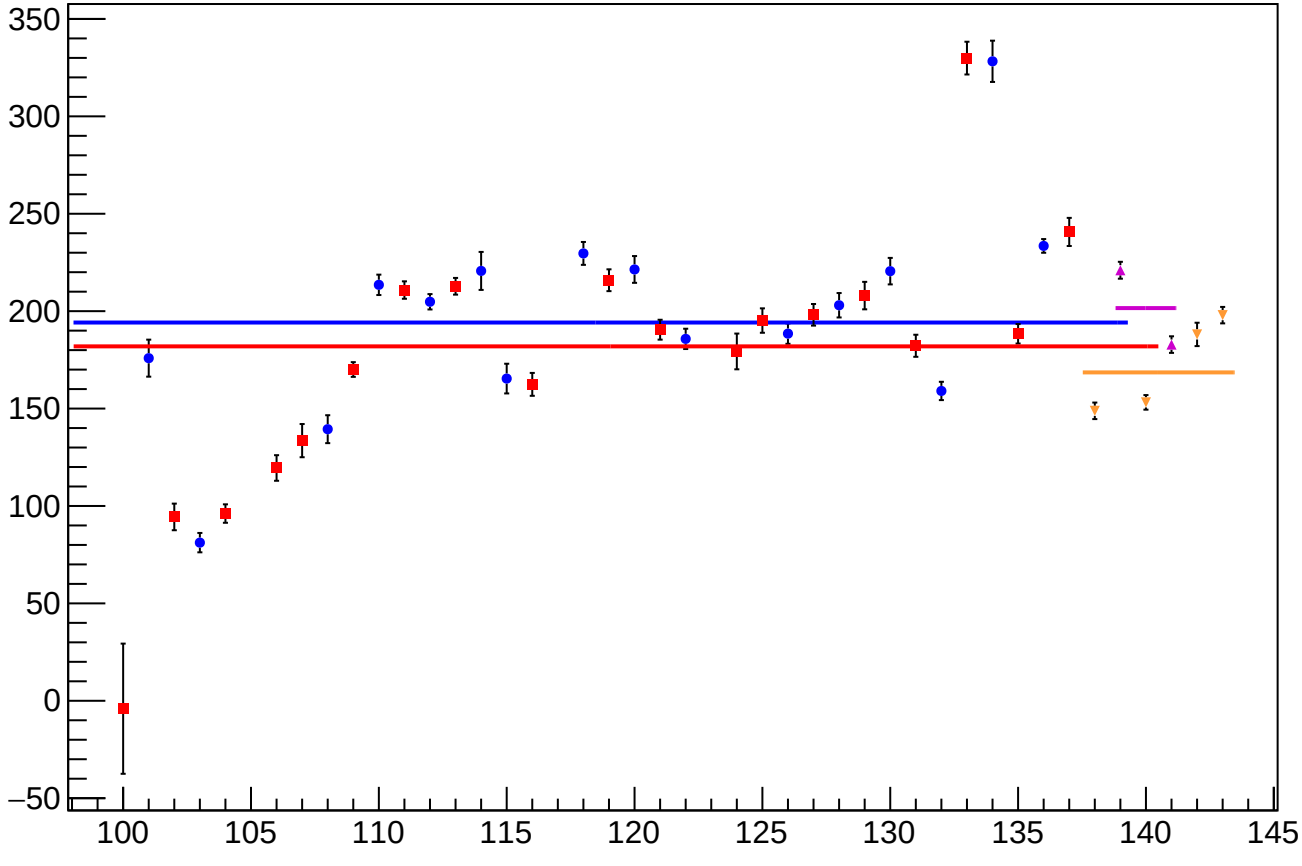
In: 53.343+/-1.562 χ^2/NDF:219.7/17

Out: 51.620+/-1.347 χ^2/NDF:386.8/22

All: 52.355+/-1.020 χ^2/NDF: 607.3/40


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
105
110
115
120
125
130
135
140
145
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -161.331+/-0.116 χ²/NDF:4152.3/3
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -153.848+/-0.144 χ²/NDF:1535.2/1
Left: -158.383+/-0.090 χ²/NDF: 7331.7/5
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -137.005+/-0.077 χ²/NDF:195009.4/17
Out: -131.957+/-0.069 χ²/NDF:309621.8/22
All: -134.204+/-0.051 χ²/NDF: 507021.0/40

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: 168.562+/-2.178 χ^2/NDF:97.5/3

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.574+/-3.037 χ^2/NDF:39.5/1

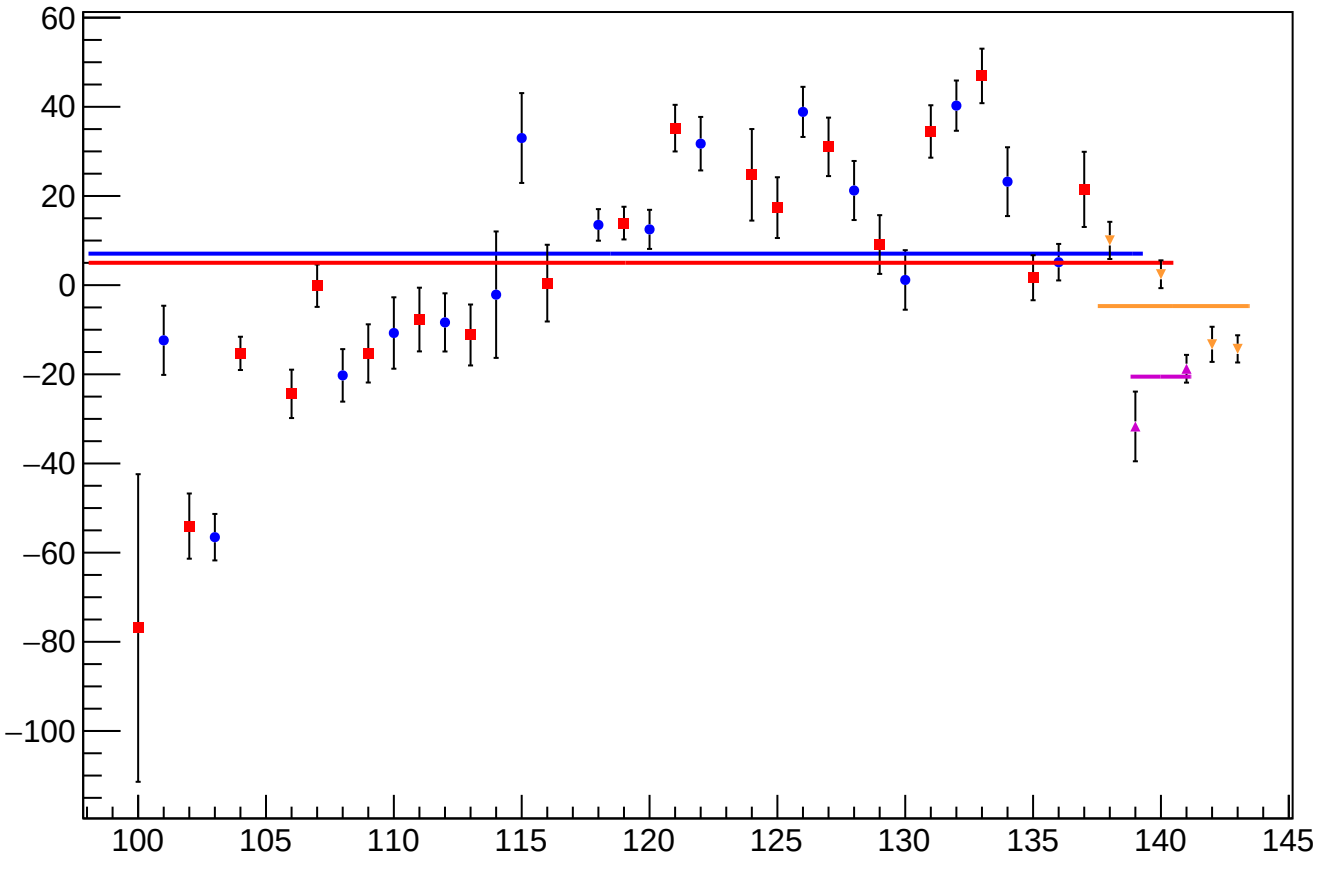
Left: 179.777+/-1.770 χ^2/NDF: 215.0/5

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 195.473+/-1.276 χ^2/NDF:1079.5/17

Out: 178.331+/-1.130 χ^2/NDF:1329.9/22

All: 185.864+/-0.846 χ^2/NDF: 2510.5/40



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -4.695+/-1.735 χ^2/NDF:32.4/3

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -20.524+/-2.892 χ^2/NDF:2.4/1

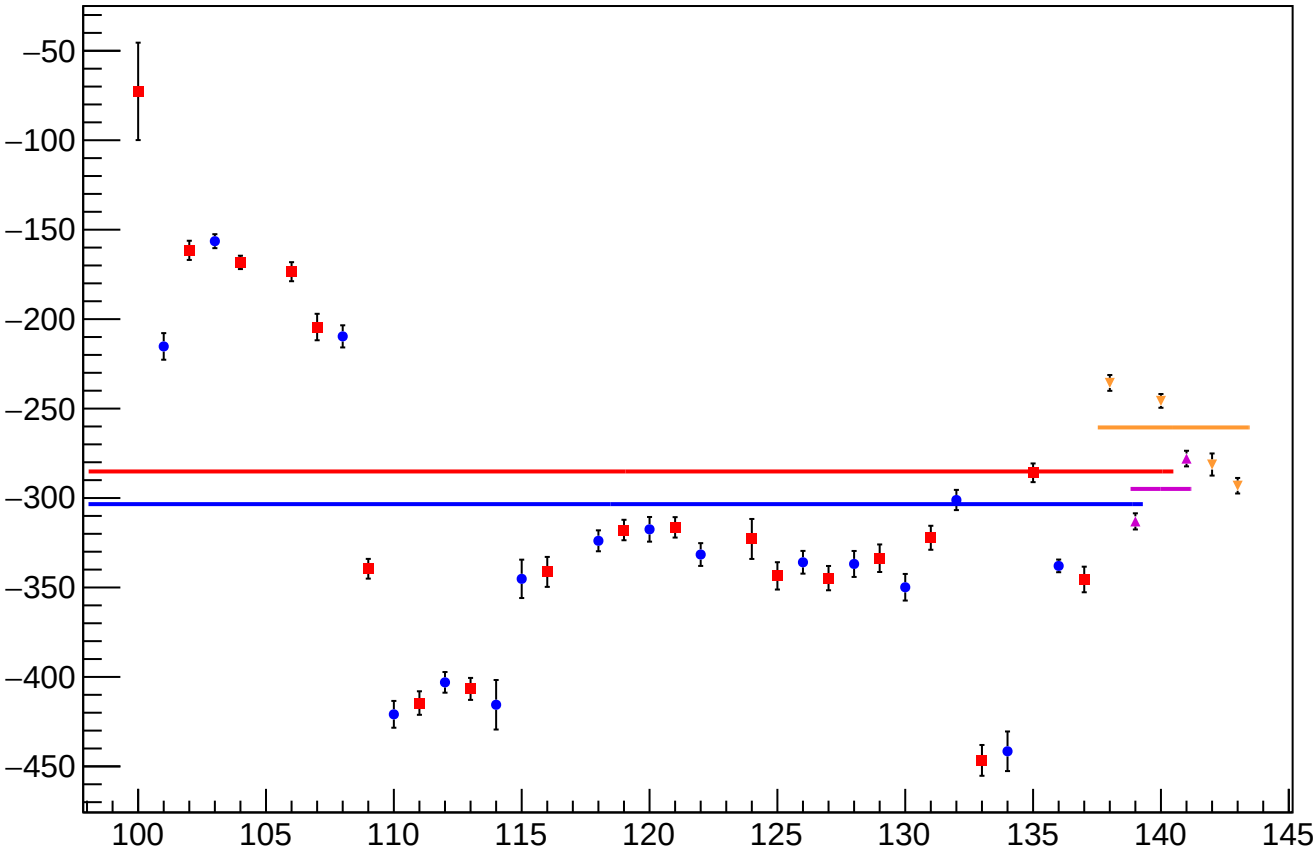
Left: -8.886+/-1.488 χ^2/NDF: 56.8/5

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 1.567+/-1.291 χ^2/NDF:367.8/17

Out: 1.337+/-1.068 χ^2/NDF:340.3/22

All: 1.430+/-0.823 χ^2/NDF: 708.2/40



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -260.541+/-2.249 χ^2/NDF:114.0/3

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -294.903+/-3.139 χ^2/NDF:31.2/1

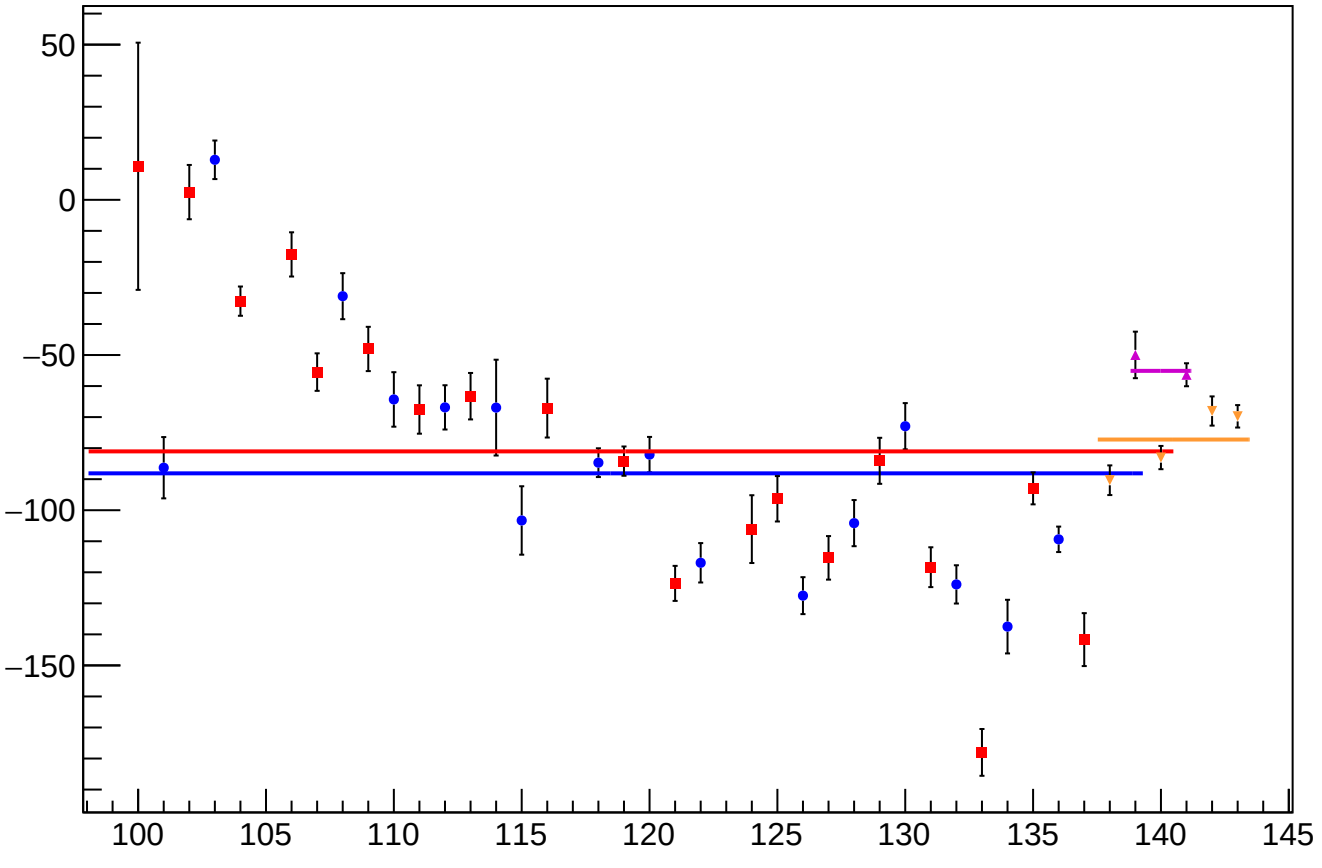
Left: -272.198+/-1.828 χ^2/NDF: 224.4/5

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -301.775+/-1.375 χ^2/NDF:2822.7/17

Out: -277.918+/-1.219 χ^2/NDF:3953.4/22

All: -288.417+/-0.912 χ^2/NDF: 6944.5/40



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -77.227+/-2.056 χ^2/NDF:18.0/3

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -55.104+/-3.320 χ^2/NDF:0.6/1

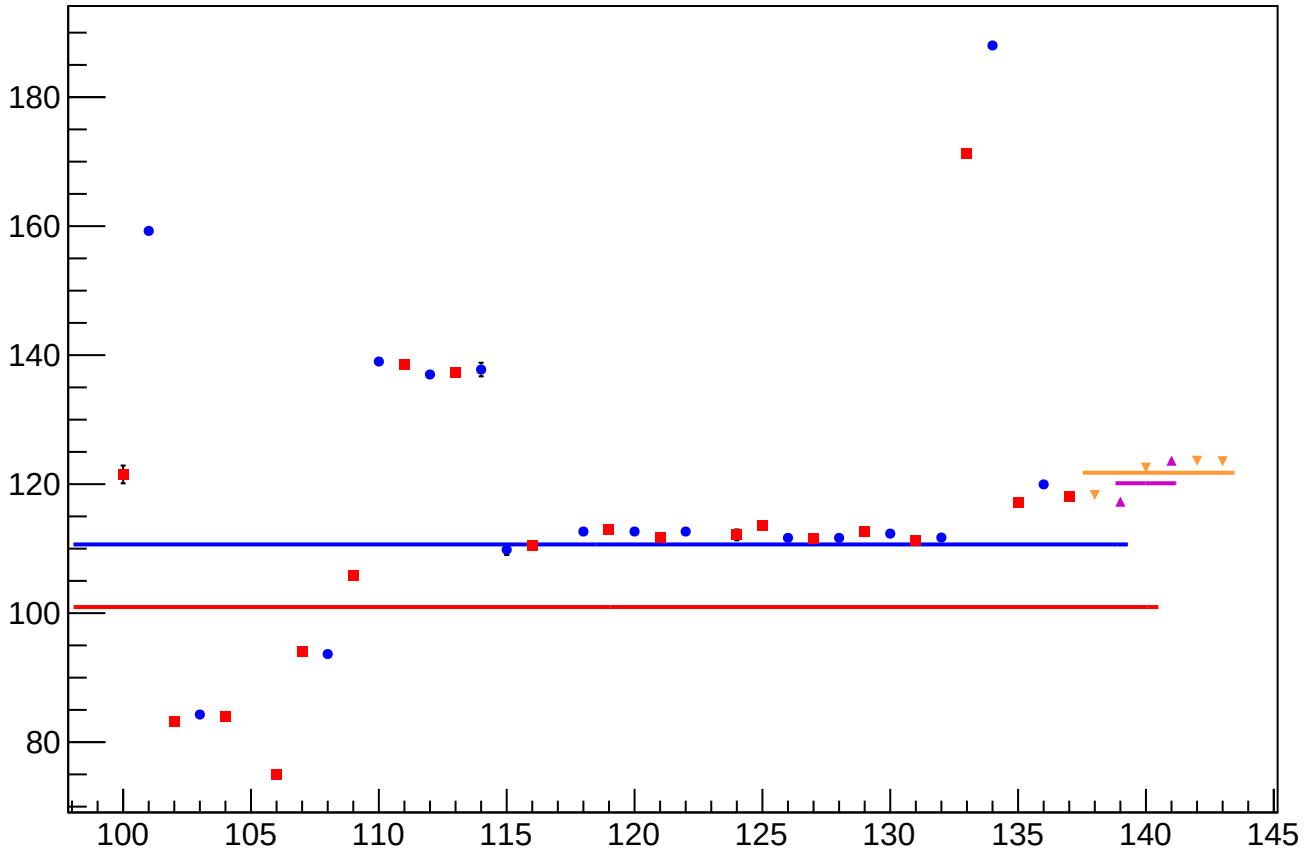
Left: -71.097+/-1.748 χ^2/NDF: 50.7/5

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -81.548+/-1.481 χ^2/NDF:591.7/17

Out: -79.640+/-1.247 χ^2/NDF:697.7/22

All: -80.432+/-0.954 χ^2/NDF: 1290.4/40



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 121.774+/-0.095 χ^2/NDF:545.2/3

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 120.138+/-0.120 χ^2/NDF:695.1/1

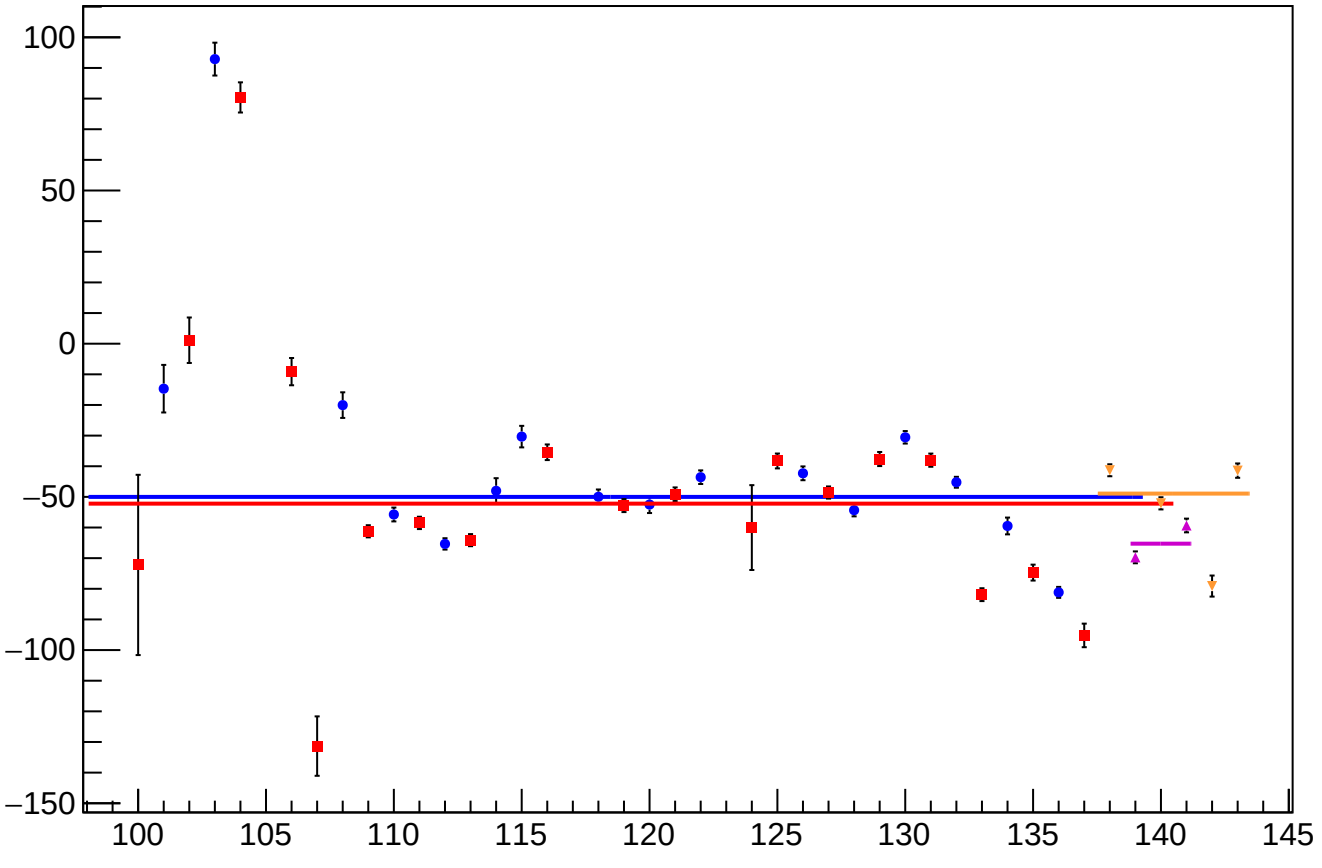
Left: 121.146+/-0.074 χ^2/NDF: 1355.0/5

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 113.864+/-0.070 χ^2/NDF:88355.9/17

Out: 109.750+/-0.062 χ^2/NDF:90501.6/22

All: 111.549+/-0.046 χ^2/NDF: 180813.2/40



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -48.928+/-1.132 χ^2/NDF:105.0/3

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -65.274+/-1.467 χ^2/NDF:12.3/1

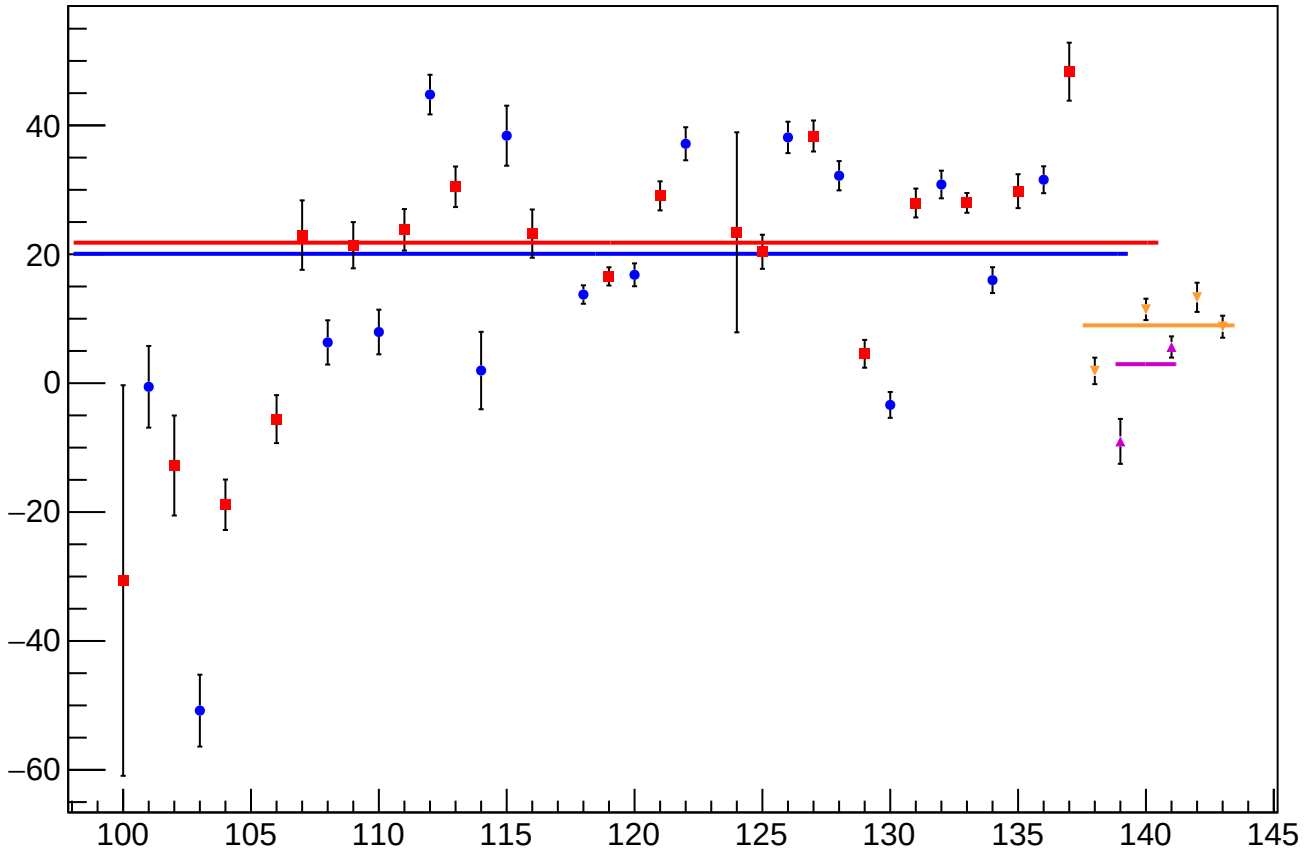
Left: -55.027+/-0.896 χ^2/NDF: 195.2/5

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -52.258+/-0.563 χ^2/NDF:1432.0/17

Out: -51.478+/-0.534 χ^2/NDF:1681.9/22

All: -51.847+/-0.387 χ^2/NDF: 3114.9/40



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.969+/-0.938 χ^2/NDF:17.8/3

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 2.948+/-1.488 χ^2/NDF:14.4/1

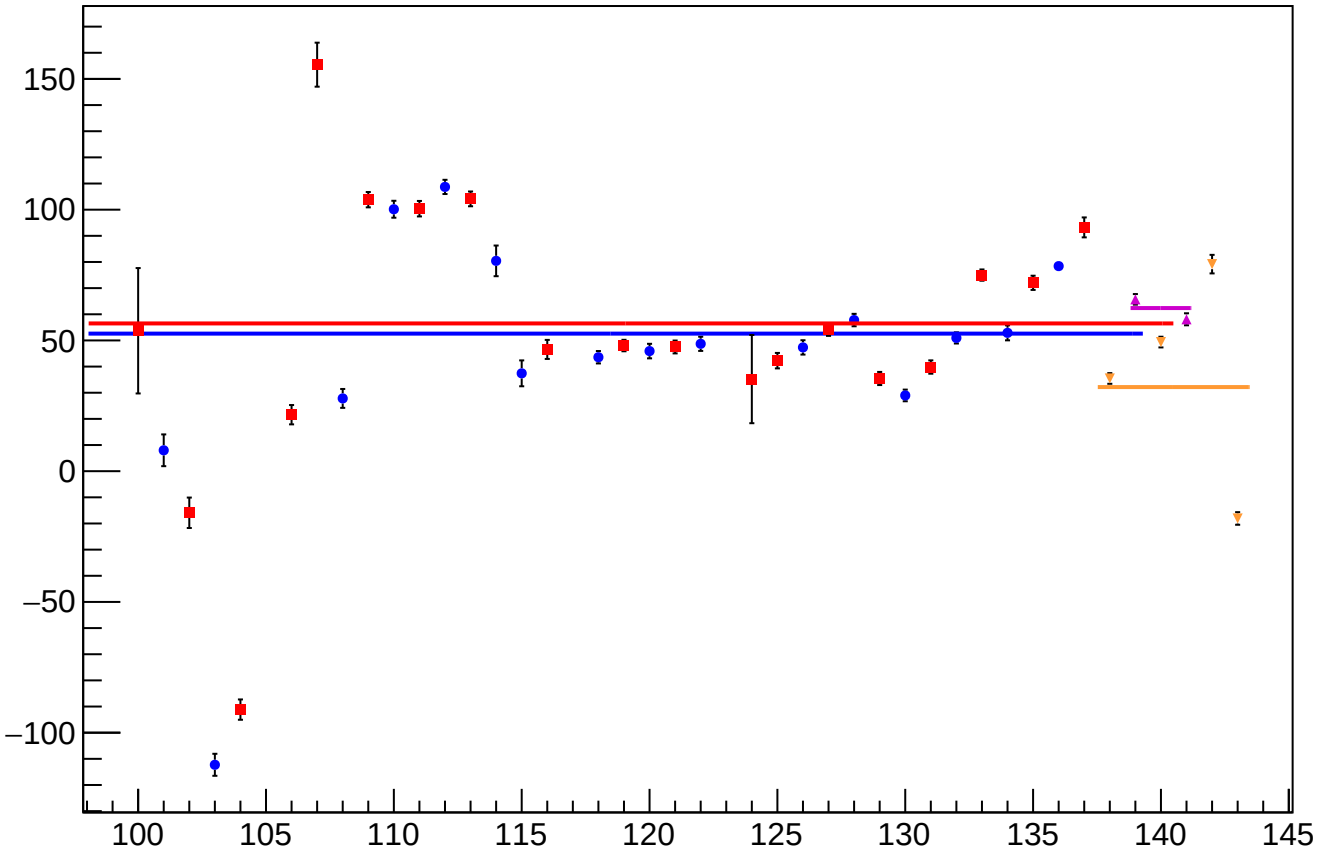
Left: 7.257+/-0.794 χ^2/NDF: 43.9/5

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 17.594+/-0.566 χ^2/NDF:763.9/17

Out: 17.881+/-0.518 χ^2/NDF:544.1/22

All: 17.750+/-0.382 χ^2/NDF: 1308.2/40



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 32.162+/-1.170 χ^2/NDF:683.6/3

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 62.378+/-1.519 χ^2/NDF:6.2/1

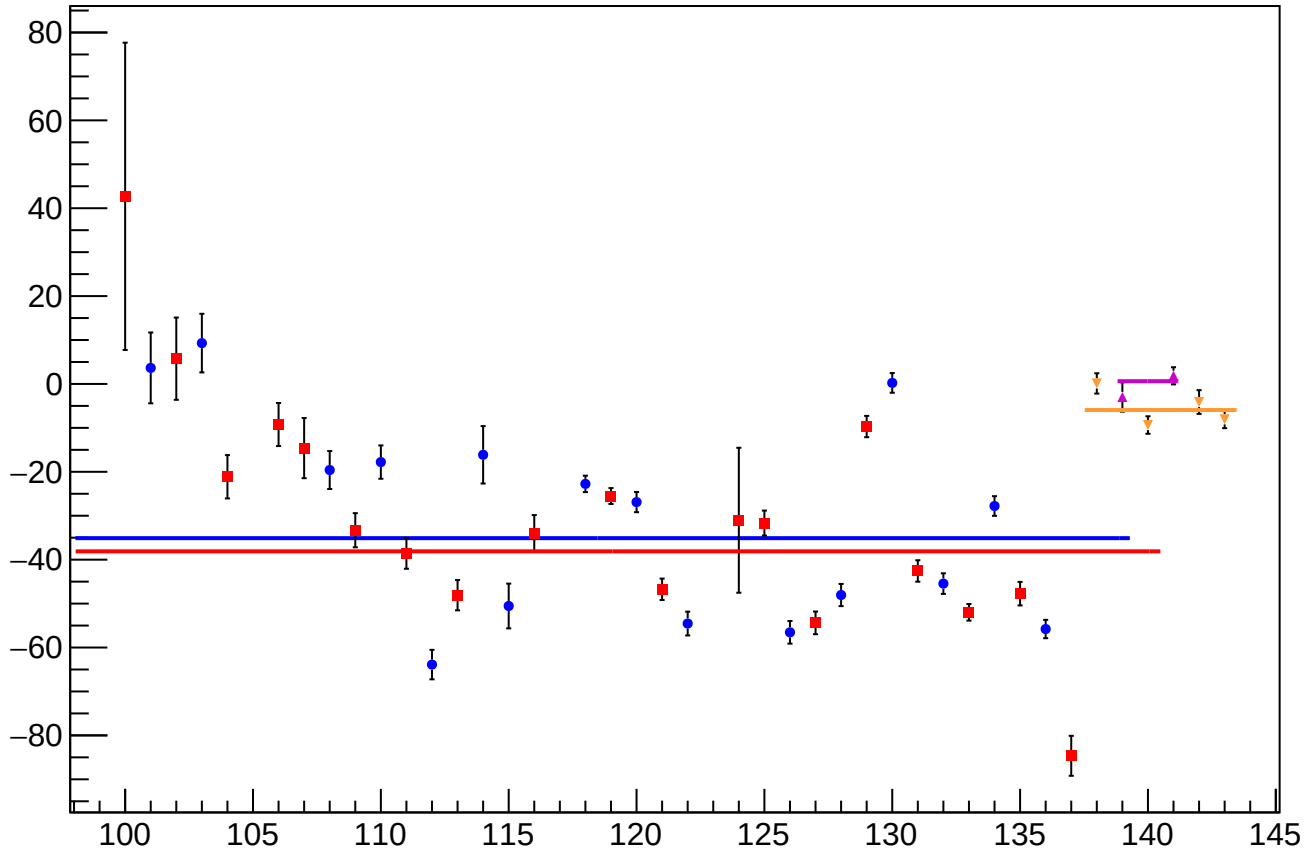
Left: 43.415+/-0.927 χ^2/NDF: 938.1/5

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 54.302+/-0.633 χ^2/NDF:2699.8/17

Out: 50.011+/-0.604 χ^2/NDF:3966.4/22

All: 52.056+/-0.437 χ^2/NDF: 6690.3/40



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -5.940+/-1.103 χ^2/NDF:11.3/3

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: 0.627+/-1.686 χ^2/NDF:1.5/1

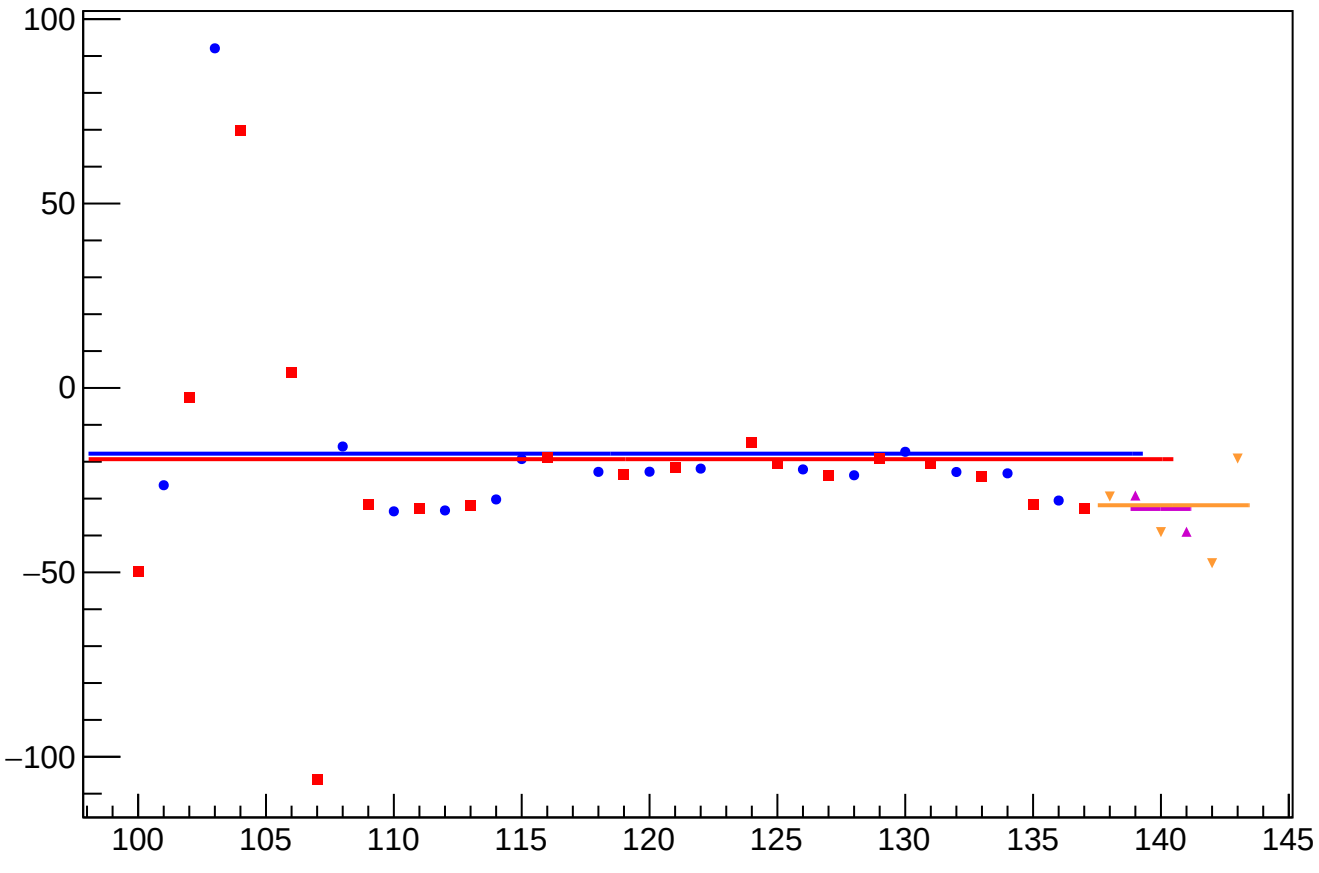
Left: -3.973+/-0.923 χ^2/NDF: 23.5/5

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -29.849+/-0.647 χ^2/NDF:1157.8/17

Out: -28.606+/-0.599 χ^2/NDF:1125.8/22

All: -29.180+/-0.439 χ^2/NDF: 2285.7/40



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -31.802+/-0.049 χ^2/NDF:35048.6/3

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -32.803+/-0.057 χ^2/NDF:6893.2/1

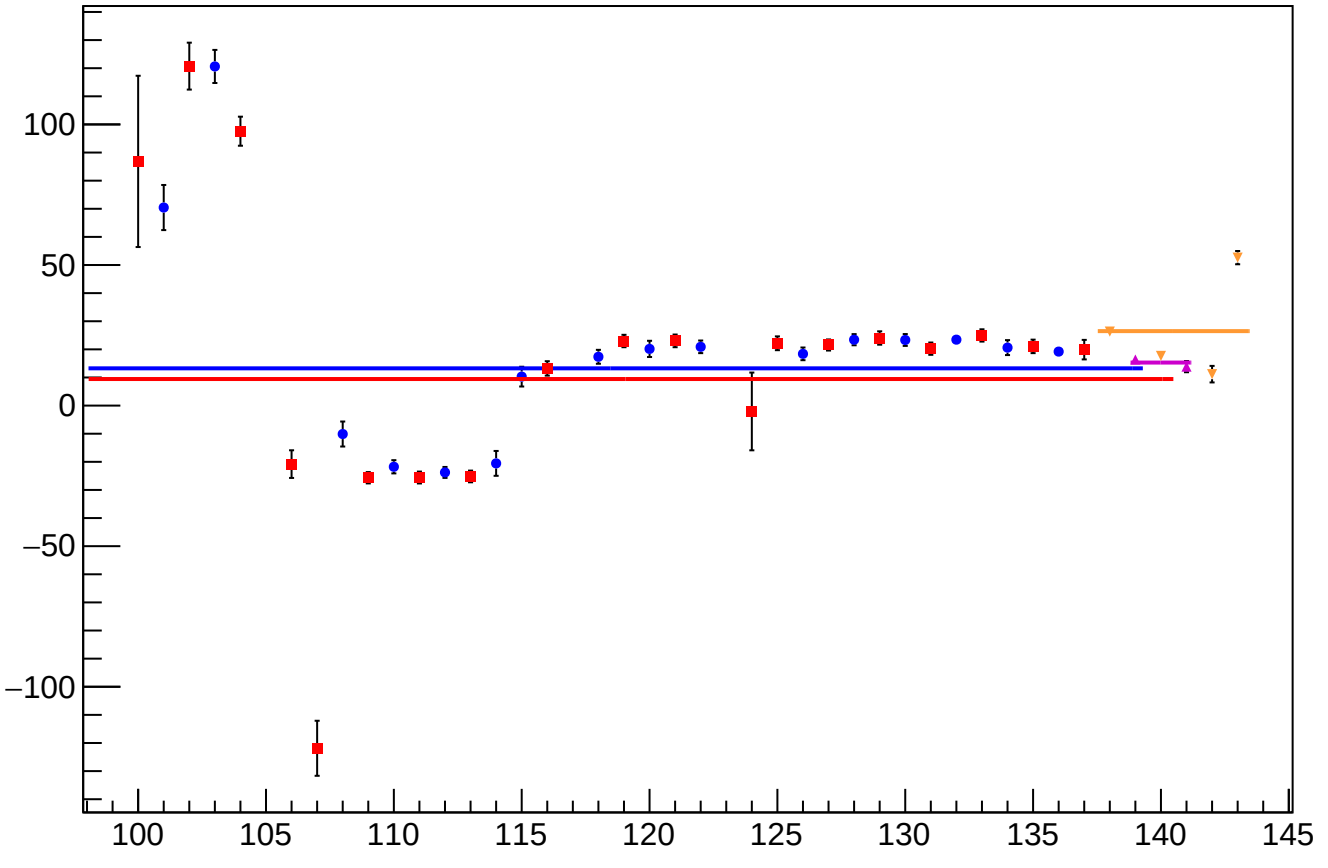
Left: -32.223+/-0.037 χ^2/NDF: 42120.0/5

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -23.277+/-0.034 χ^2/NDF:476780.7/17

Out: -25.222+/-0.033 χ^2/NDF:414438.5/22

All: -24.279+/-0.024 χ^2/NDF: 892859.1/40



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 26.487+/-1.034 χ^2/NDF:175.2/3

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.305+/-1.303 χ^2/NDF:0.9/1

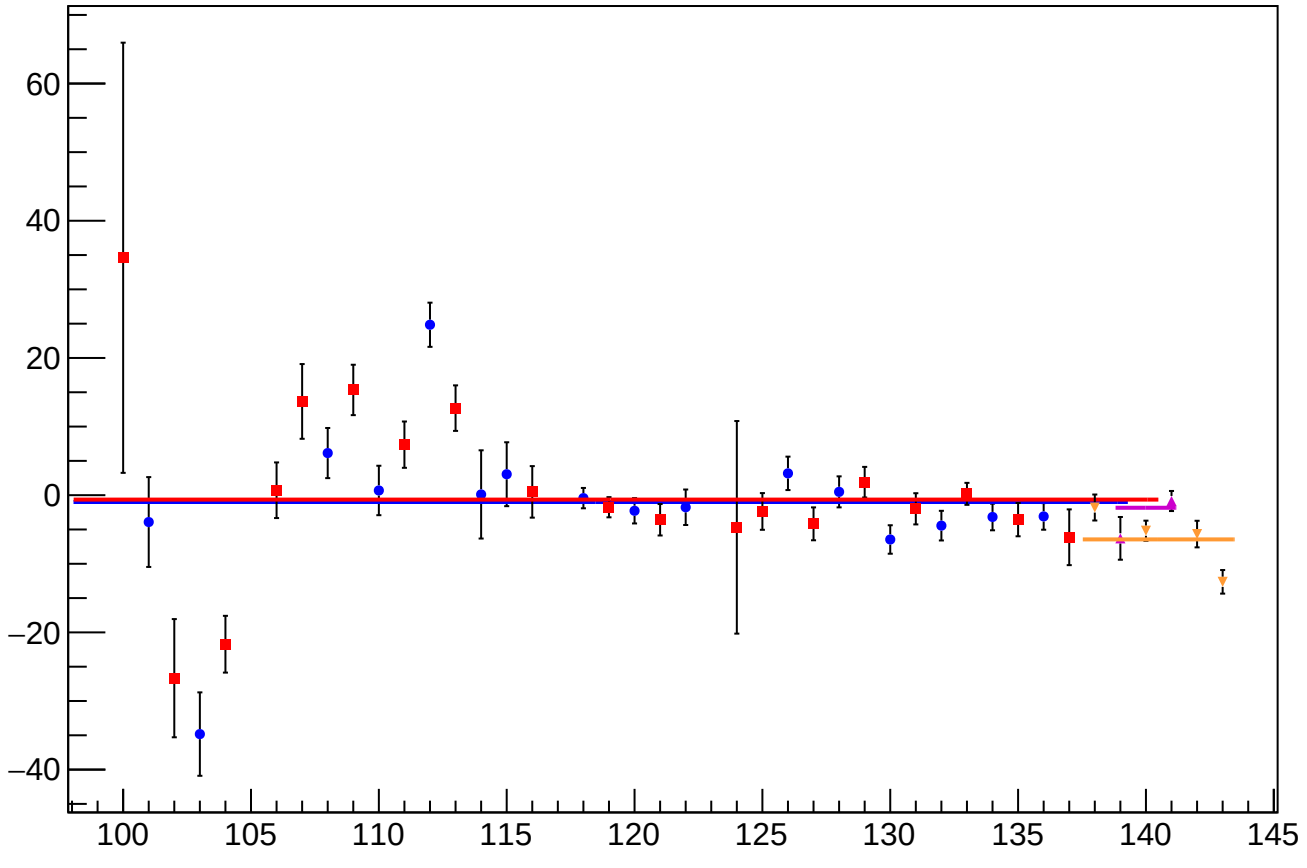
Left: 22.165+/-0.810 χ^2/NDF: 221.3/5

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.624+/-0.556 χ^2/NDF:1185.4/17

Out: 13.902+/-0.529 χ^2/NDF:2212.3/22

All: 13.770+/-0.383 χ^2/NDF: 3397.9/40



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -6.447+/-0.861 χ^2/NDF:19.9/3

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.835+/-1.325 χ^2/NDF:2.5/1

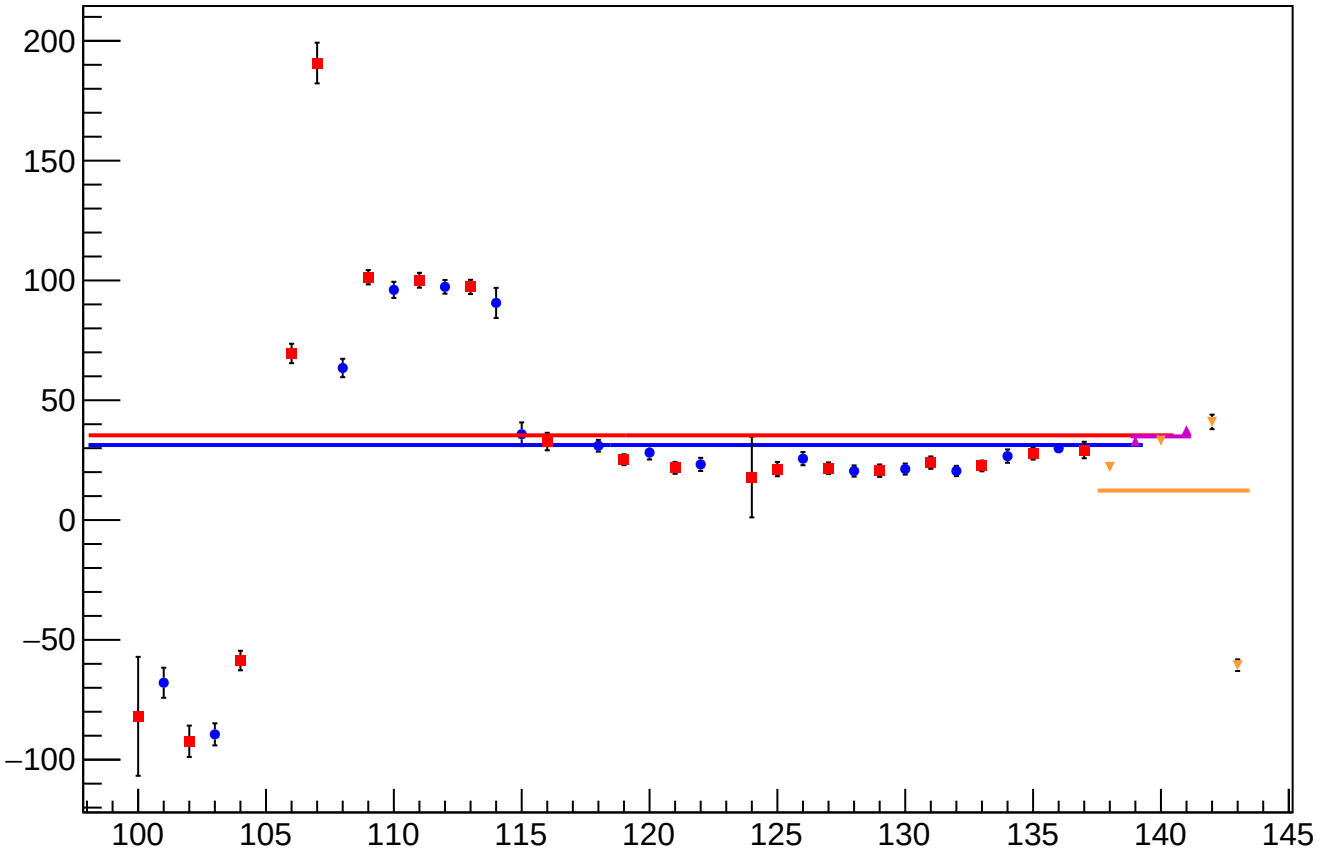
Left: -5.078+/-0.722 χ^2/NDF: 30.9/5

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.144+/-0.561 χ^2/NDF:119.2/17

Out: -2.691+/-0.511 χ^2/NDF:143.5/22

All: -1.989+/-0.378 χ^2/NDF: 266.8/40



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 12.326+/-1.069 χ^2/NDF:1153.4/3

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 34.923+/-1.348 χ^2/NDF:2.8/1

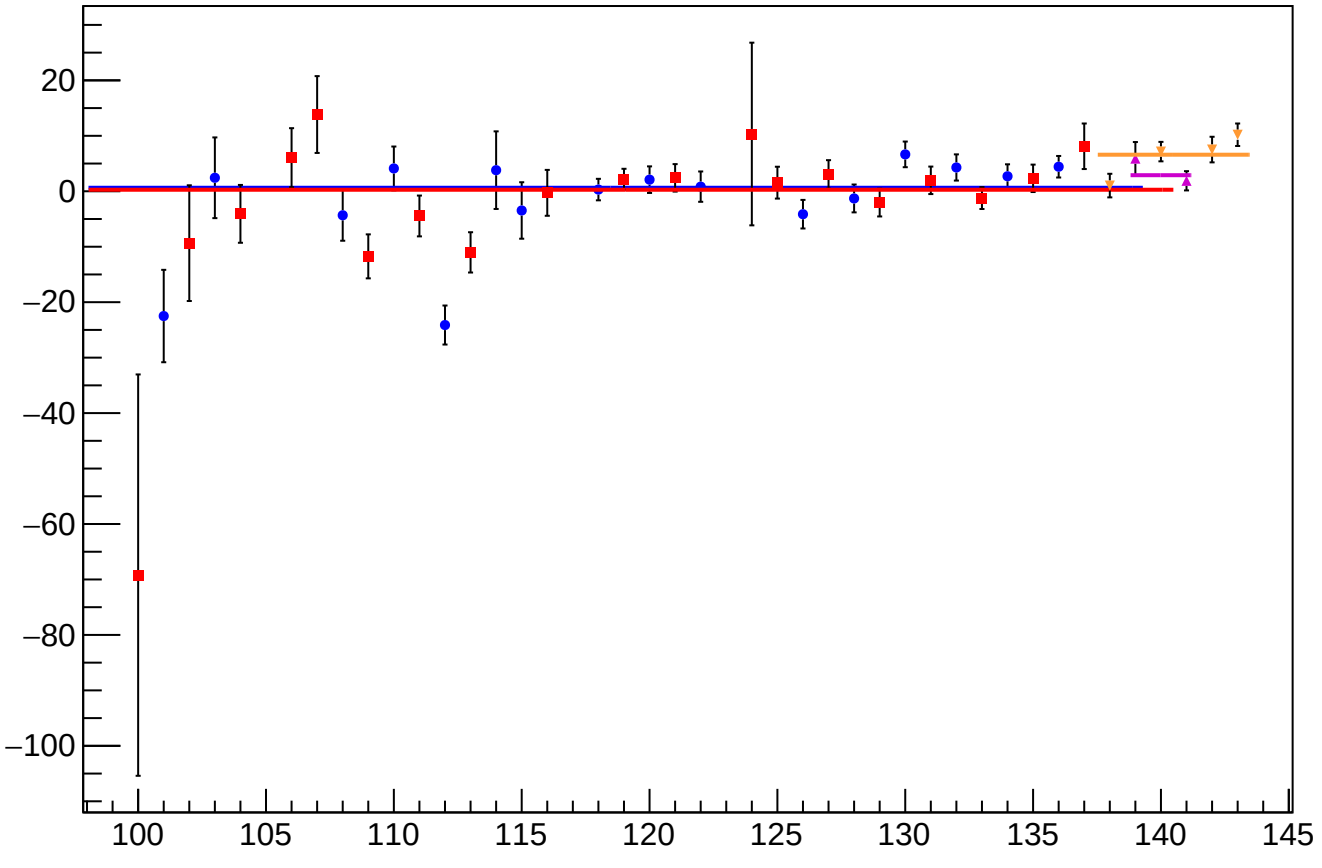
Left: 21.050+/-0.838 χ^2/NDF: 1328.6/5

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 32.077+/-0.621 χ^2/NDF:2094.3/17

Out: 28.218+/-0.596 χ^2/NDF:4371.3/22

All: 30.066+/-0.430 χ^2/NDF: 6485.7/40



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 6.593+/-1.012 χ^2/NDF:10.3/3

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.898+/-1.501 χ^2/NDF:1.3/1

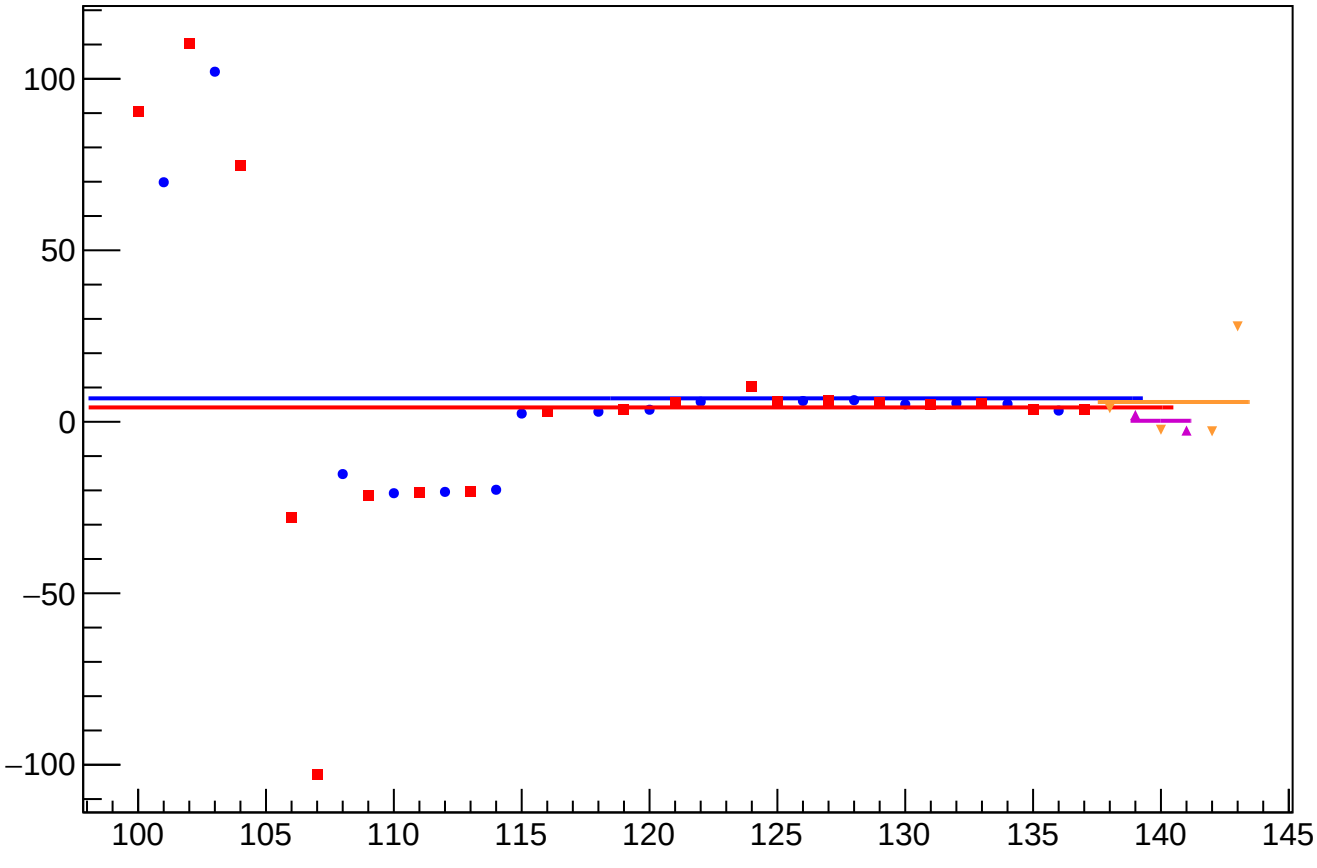
Left: 5.438+/-0.839 χ^2/NDF: 15.8/5

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.042+/-0.638 χ^2/NDF:81.6/17

Out: 2.423+/-0.590 χ^2/NDF:76.5/22

All: 1.786+/-0.433 χ^2/NDF: 160.7/40



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 5.773+/-0.044 χ^2/NDF:63557.5/3

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: 0.295+/-0.051 χ^2/NDF:1883.7/1

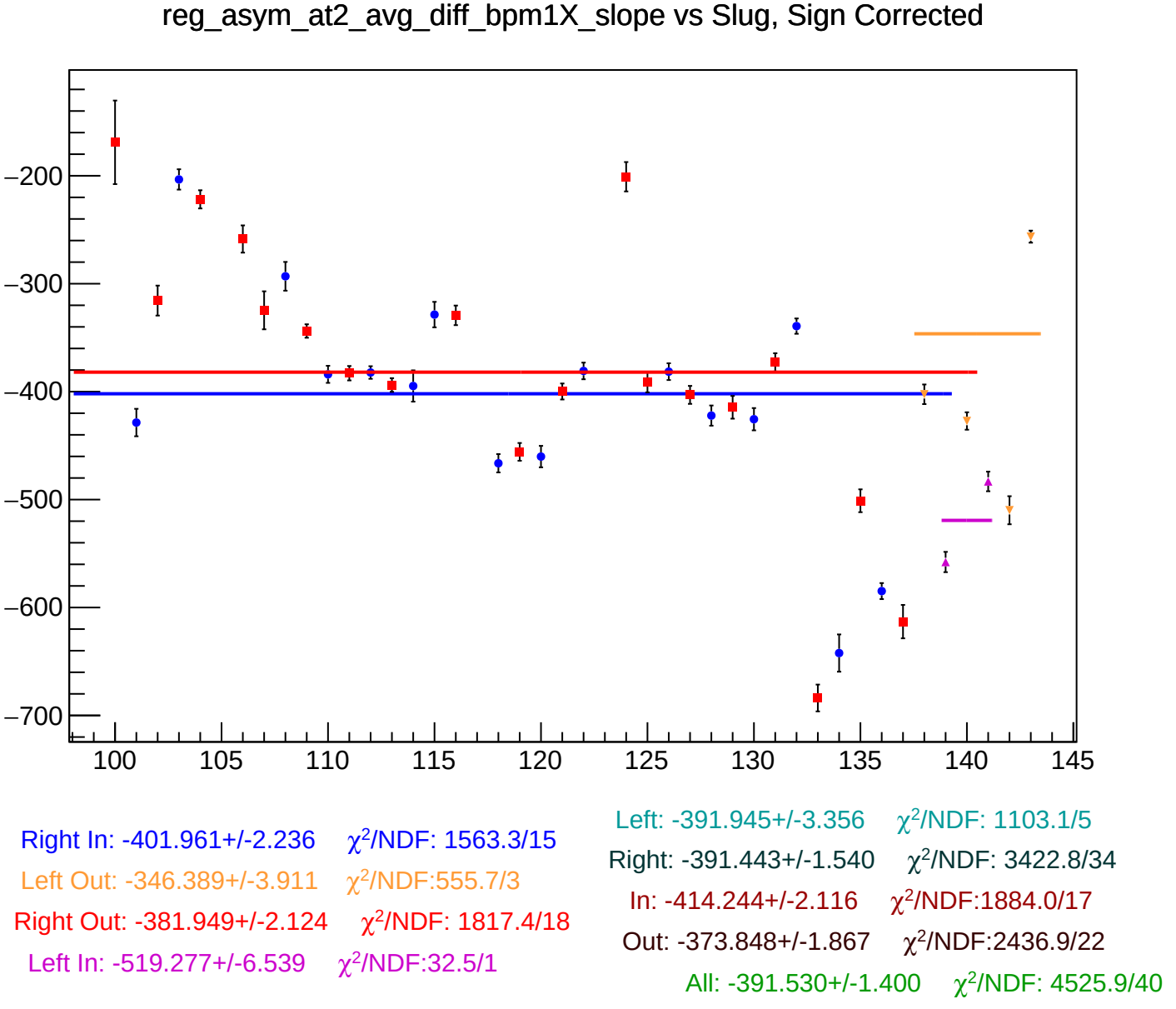
Left: 3.402+/-0.033 χ^2/NDF: 72031.7/5

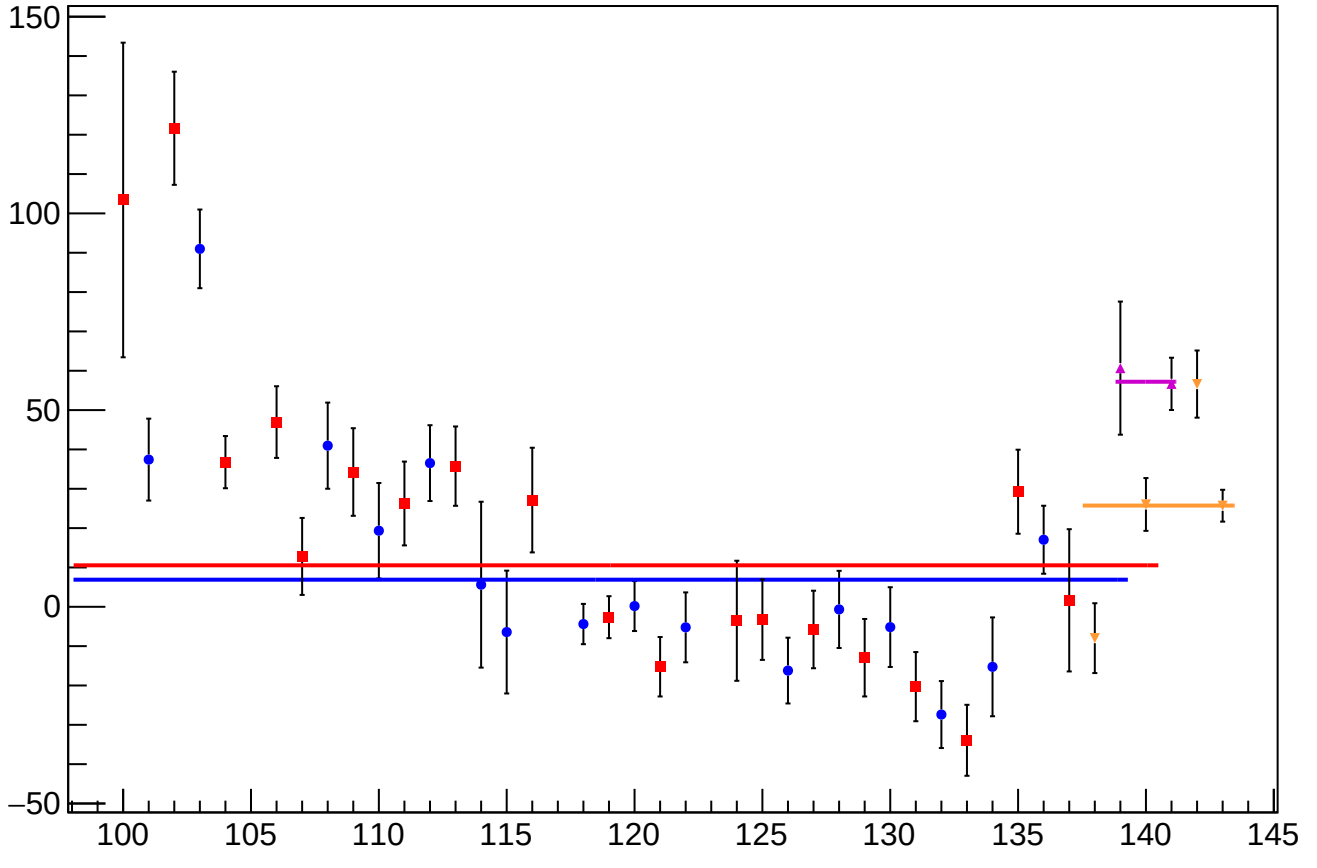
Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 4.119+/-0.033 χ^2/NDF:332527.6/17

Out: 5.015+/-0.032 χ^2/NDF:498713.2/22

All: 4.577+/-0.023 χ^2/NDF: 831622.9/40


reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−200
−300
−400
−500
−600
−700
100
105
110
115
120
125
130
135
140
145
Right In: -401.961+/-2.236 χ²/NDF: 1563.3/15
Left Out: -346.389+/-3.911 χ²/NDF:555.7/3
Right Out: -381.949+/-2.124 χ²/NDF: 1817.4/18
Left In: -519.277+/-6.539 χ²/NDF:32.5/1
Left: -391.945+/-3.356 χ²/NDF: 1103.1/5
Right: -391.443+/-1.540 χ²/NDF: 3422.8/34
In: -414.244+/-2.116 χ²/NDF:1884.0/17
Out: -373.848+/-1.867 χ²/NDF:2436.9/22
All: -391.530+/-1.400 χ²/NDF: 4525.9/40



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 25.734+/-3.019 χ^2/NDF:27.5/3

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: 31.792+/-2.713 χ^2/NDF: 48.5/5

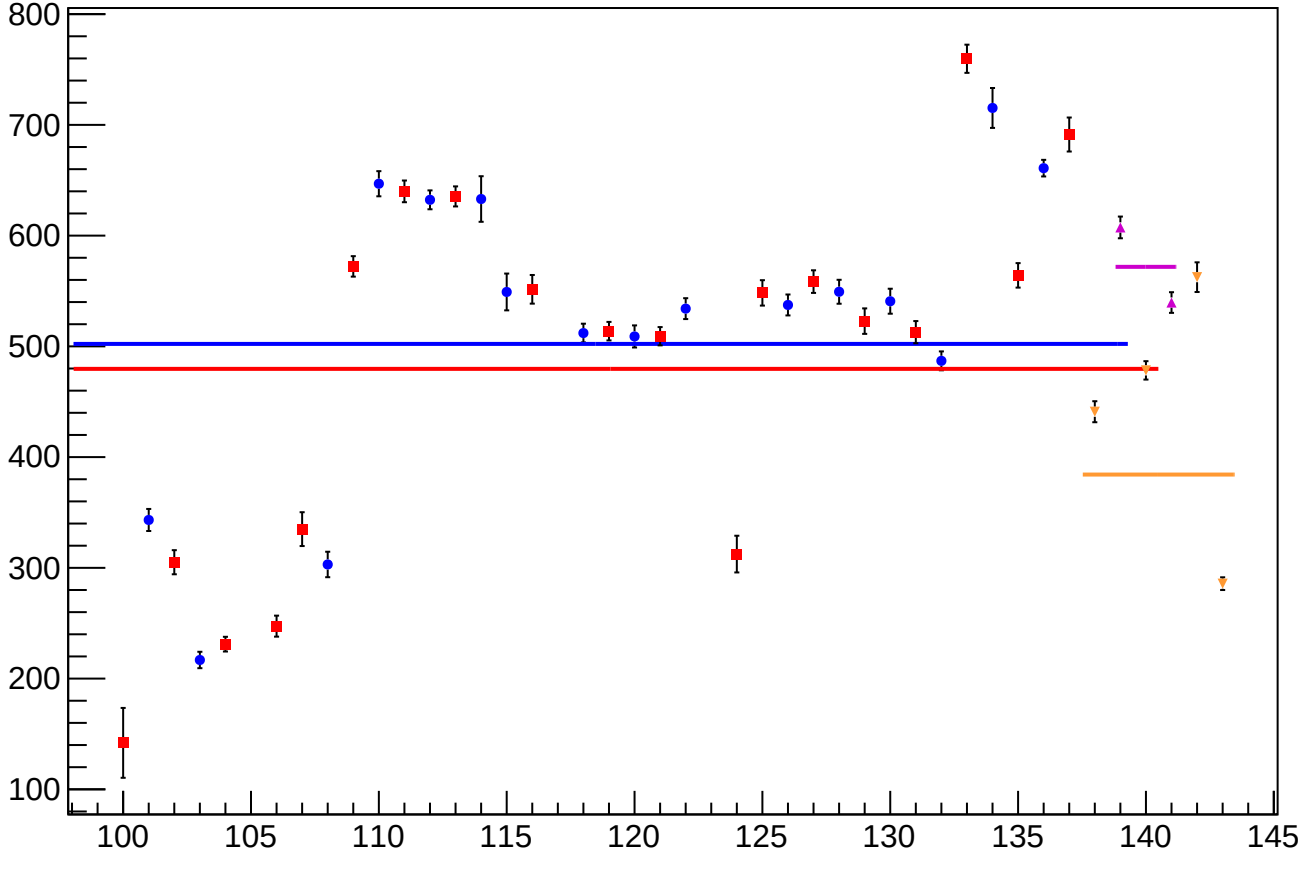
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 12.838+/-2.126 χ^2/NDF:196.9/17

Out: 15.803+/-1.776 χ^2/NDF:224.1/22

All: 14.584+/-1.363 χ^2/NDF: 422.1/40

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: 384.239+/-4.033 χ^2/NDF:635.0/3

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 571.807+/-6.759 χ^2/NDF:25.1/1

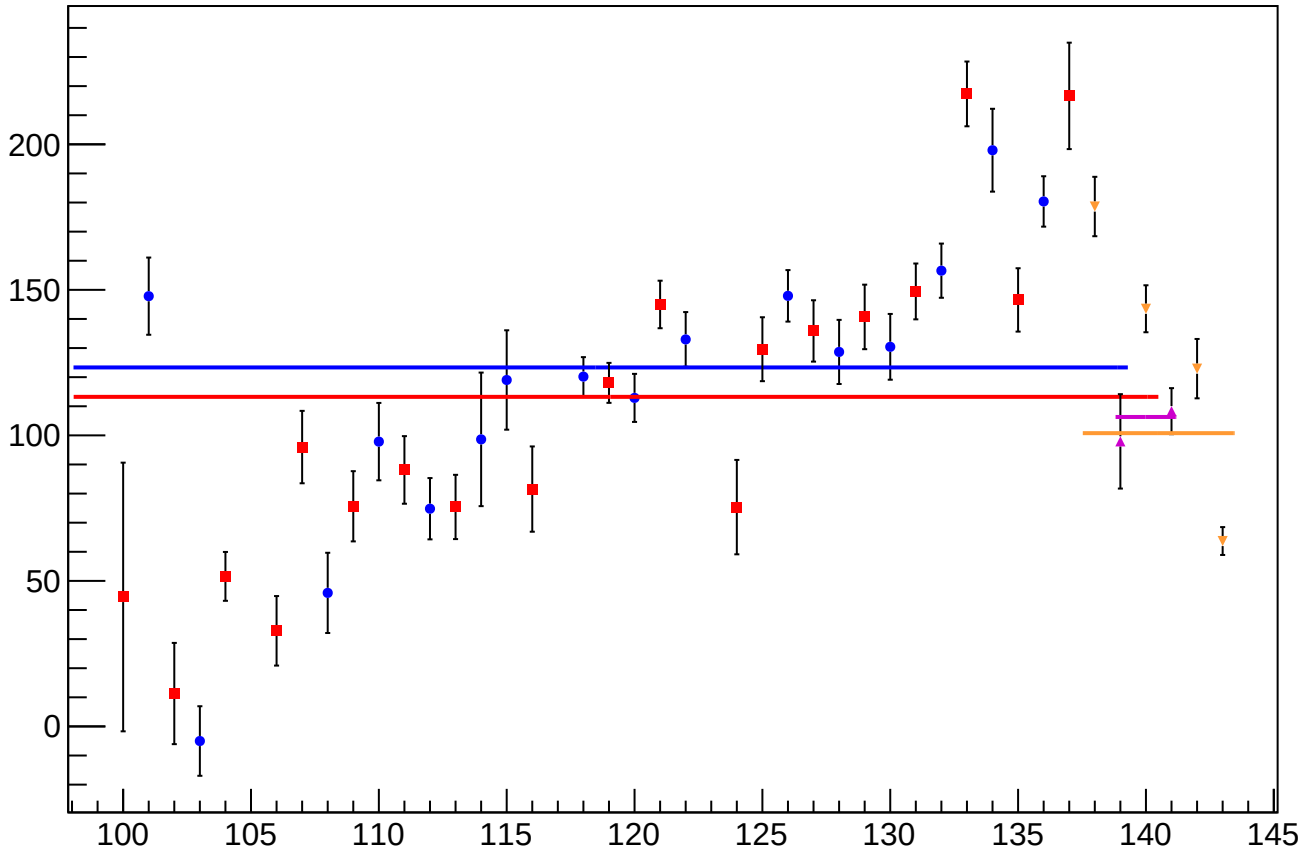
Left: 433.485+/-3.464 χ^2/NDF: 1228.0/5

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 510.545+/-2.339 χ^2/NDF:3253.6/17

Out: 454.733+/-2.062 χ^2/NDF:5187.2/22

All: 479.142+/-1.547 χ^2/NDF: 8761.2/40



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 100.762+/-3.576 χ^2/NDF:150.9/3

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 106.323+/-7.110 χ^2/NDF:0.3/1

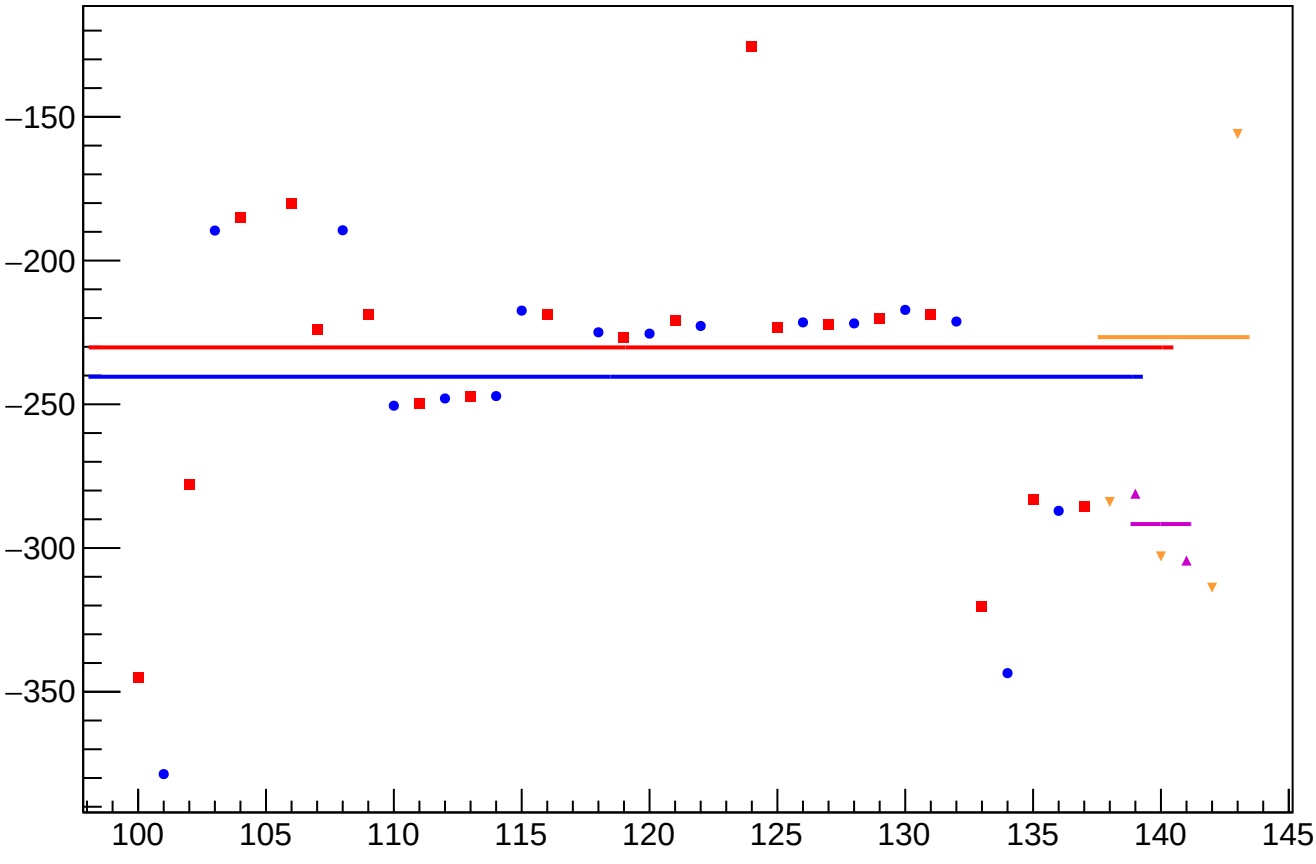
Left: 101.885+/-3.195 χ^2/NDF: 151.8/5

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 121.299+/-2.464 χ^2/NDF:276.7/17

Out: 109.042+/-2.073 χ^2/NDF:504.8/22

All: 114.123+/-1.587 χ^2/NDF: 796.0/40



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -226.629+/-0.169 χ^2/NDF:177158.3/3

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -291.654+/-0.258 χ^2/NDF:2010.9/1

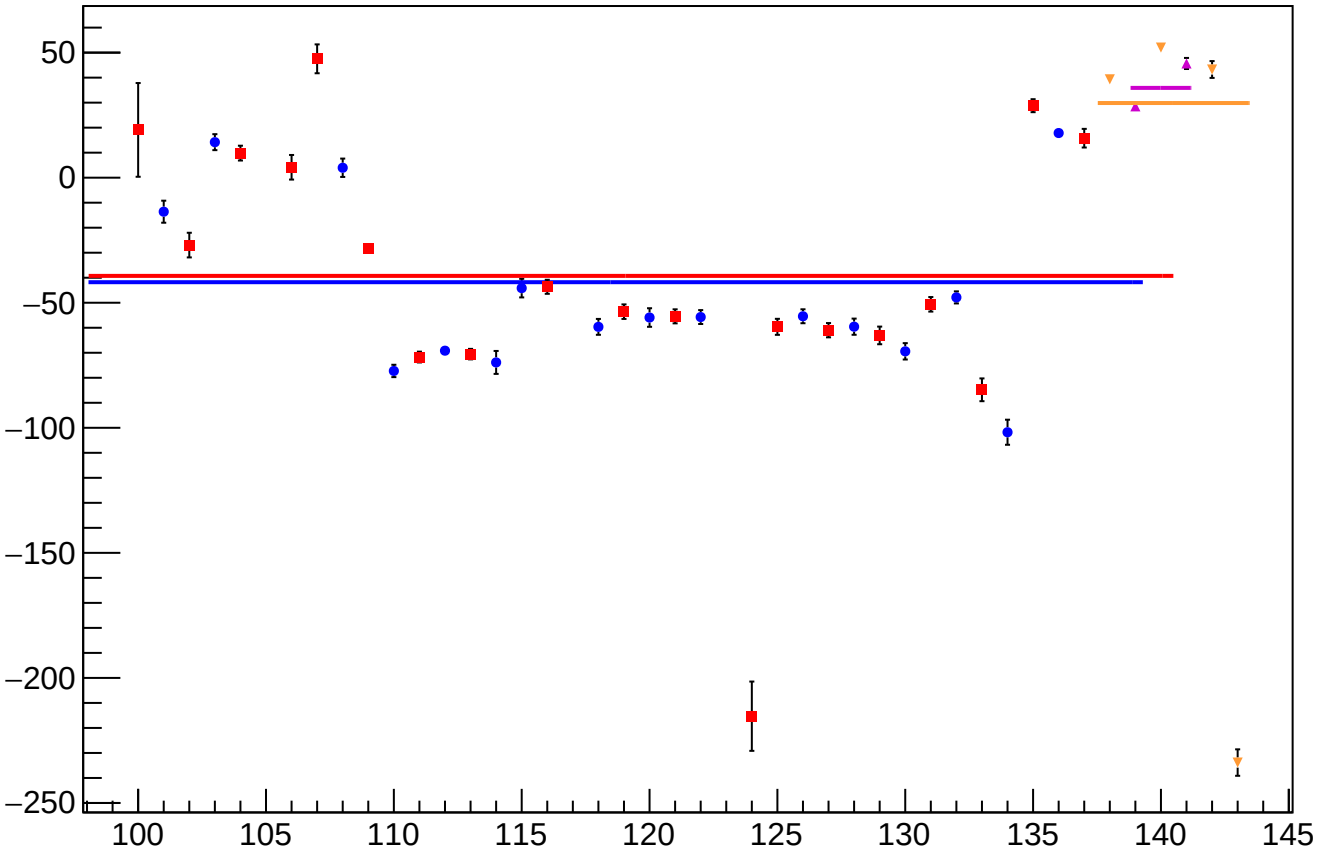
Left: -246.177+/-0.142 χ^2/NDF: 223506.6/5

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -253.416+/-0.130 χ^2/NDF:165540.5/17

Out: -228.675+/-0.111 χ^2/NDF:260845.1/22

All: -239.074+/-0.084 χ^2/NDF: 447348.5/40



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 29.849+/-1.244 χ^2/NDF:2652.1/3

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 35.899+/-1.453 χ^2/NDF:34.1/1

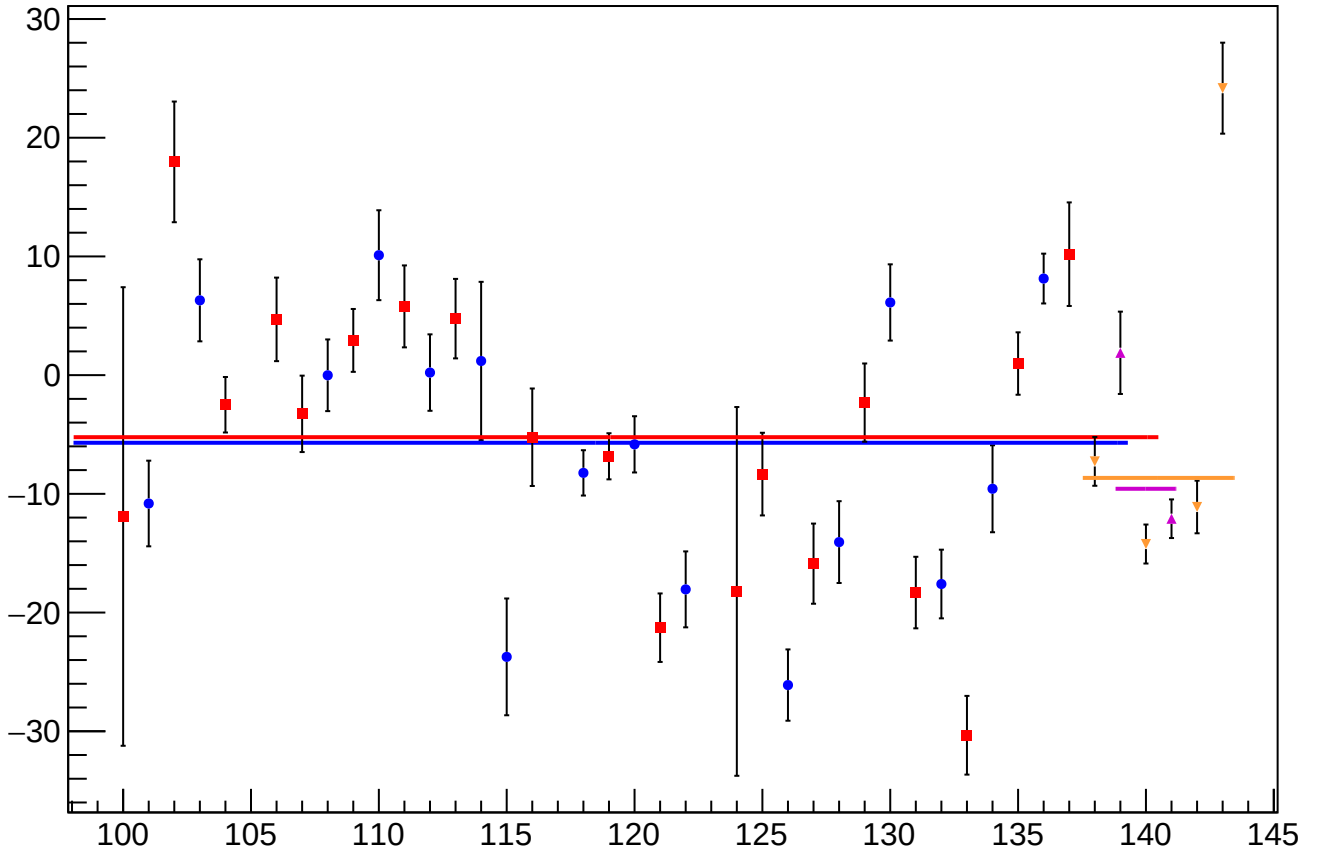
Left: 32.407+/-0.945 χ^2/NDF: 2696.2/5

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -26.364+/-0.647 χ^2/NDF:4731.1/17

Out: -23.371+/-0.596 χ^2/NDF:7508.1/22

All: -24.745+/-0.439 χ^2/NDF: 12250.7/40



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -8.658+/-1.066 χ^2/NDF:86.6/3

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -9.573+/-1.473 χ^2/NDF:13.3/1

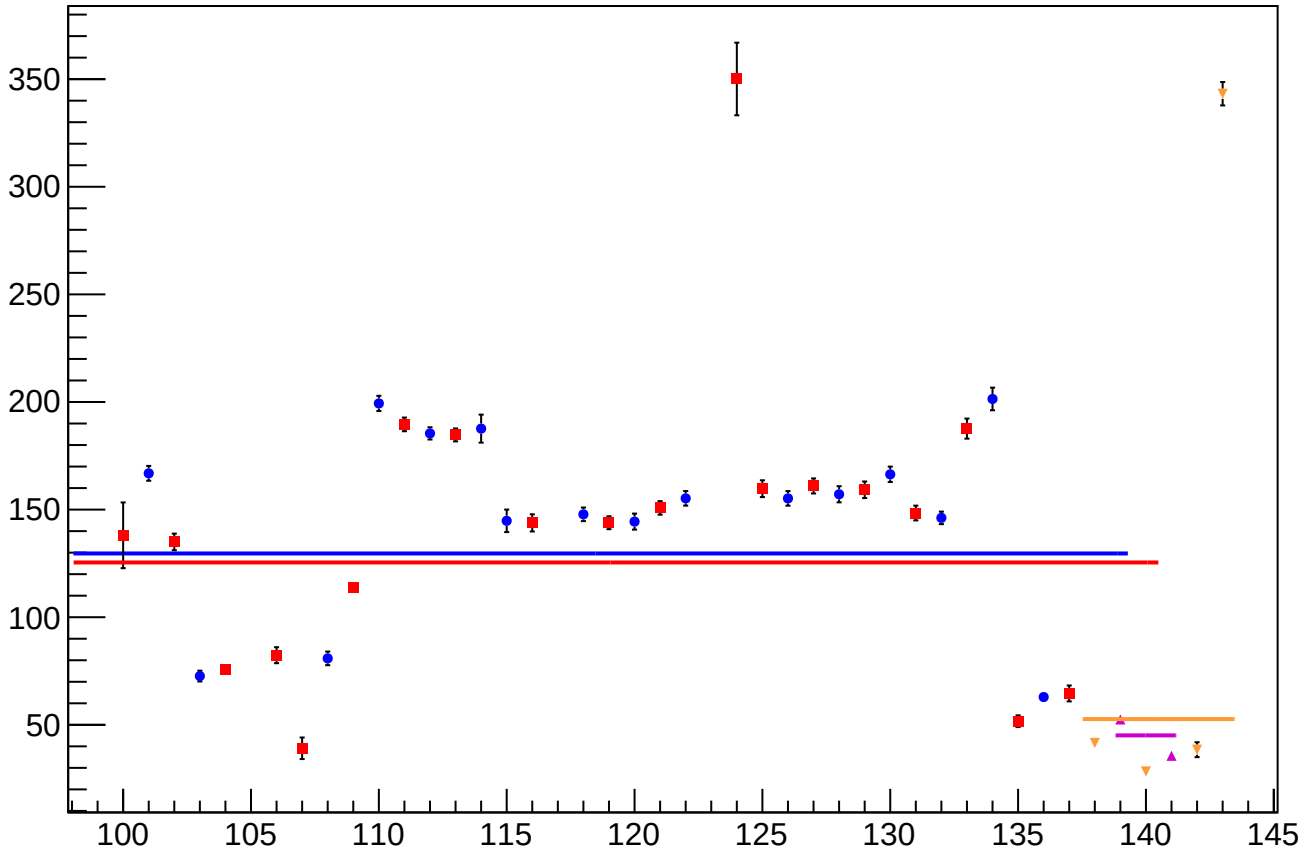
Left: -8.972+/-0.864 χ^2/NDF: 100.1/5

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -6.500+/-0.671 χ^2/NDF:215.5/17

Out: -6.342+/-0.608 χ^2/NDF:290.9/22

All: -6.413+/-0.450 χ^2/NDF: 506.4/40



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 52.669+/-1.287 χ^2/NDF:3045.2/3

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.095+/-1.504 χ^2/NDF:31.0/1

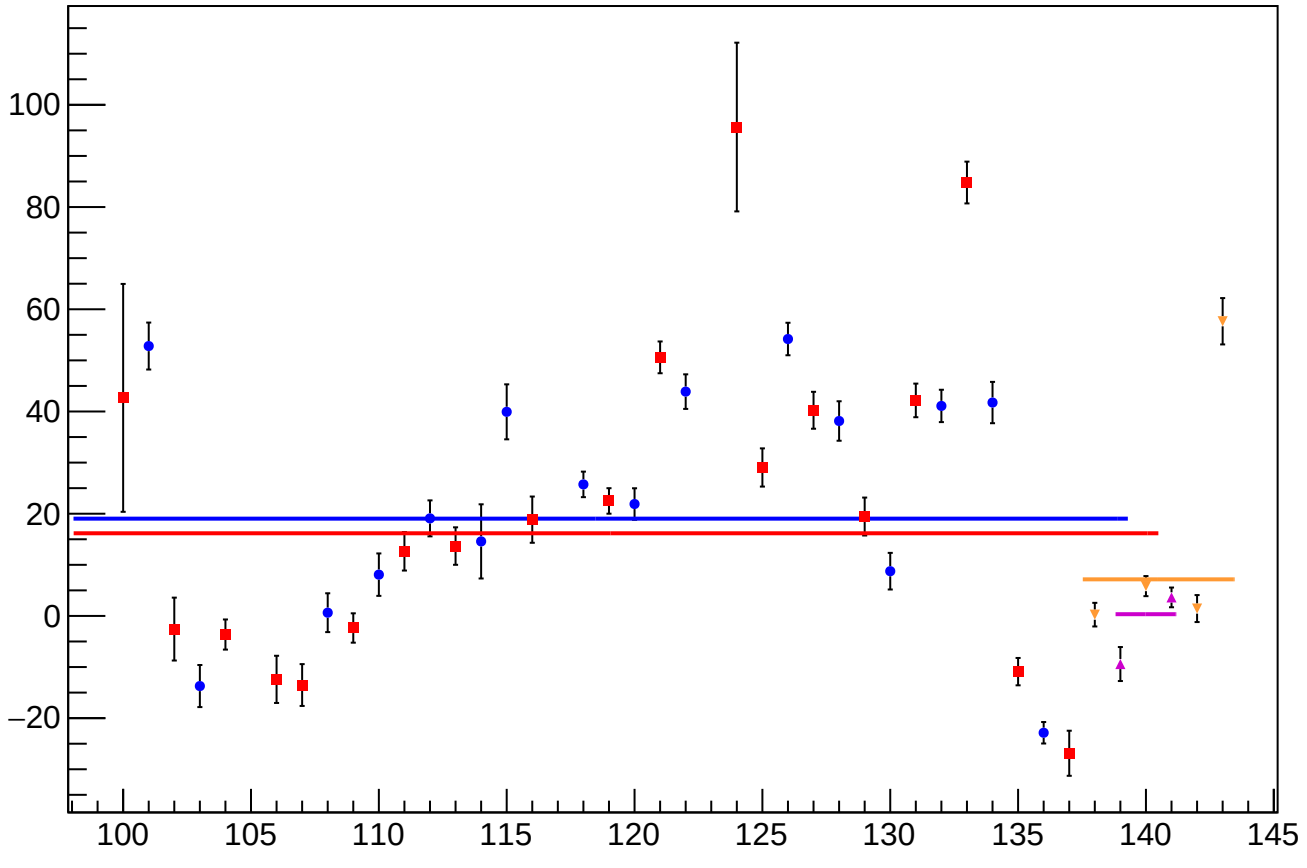
Left: 49.467+/-0.978 χ^2/NDF: 3090.8/5

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 110.960+/-0.707 χ^2/NDF:6116.2/17

Out: 105.537+/-0.673 χ^2/NDF:8869.5/22

All: 108.117+/-0.487 χ^2/NDF: 15016.5/40



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 7.158+/-1.252 χ^2/NDF:138.1/3

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: 0.341+/-1.669 χ^2/NDF:11.5/1

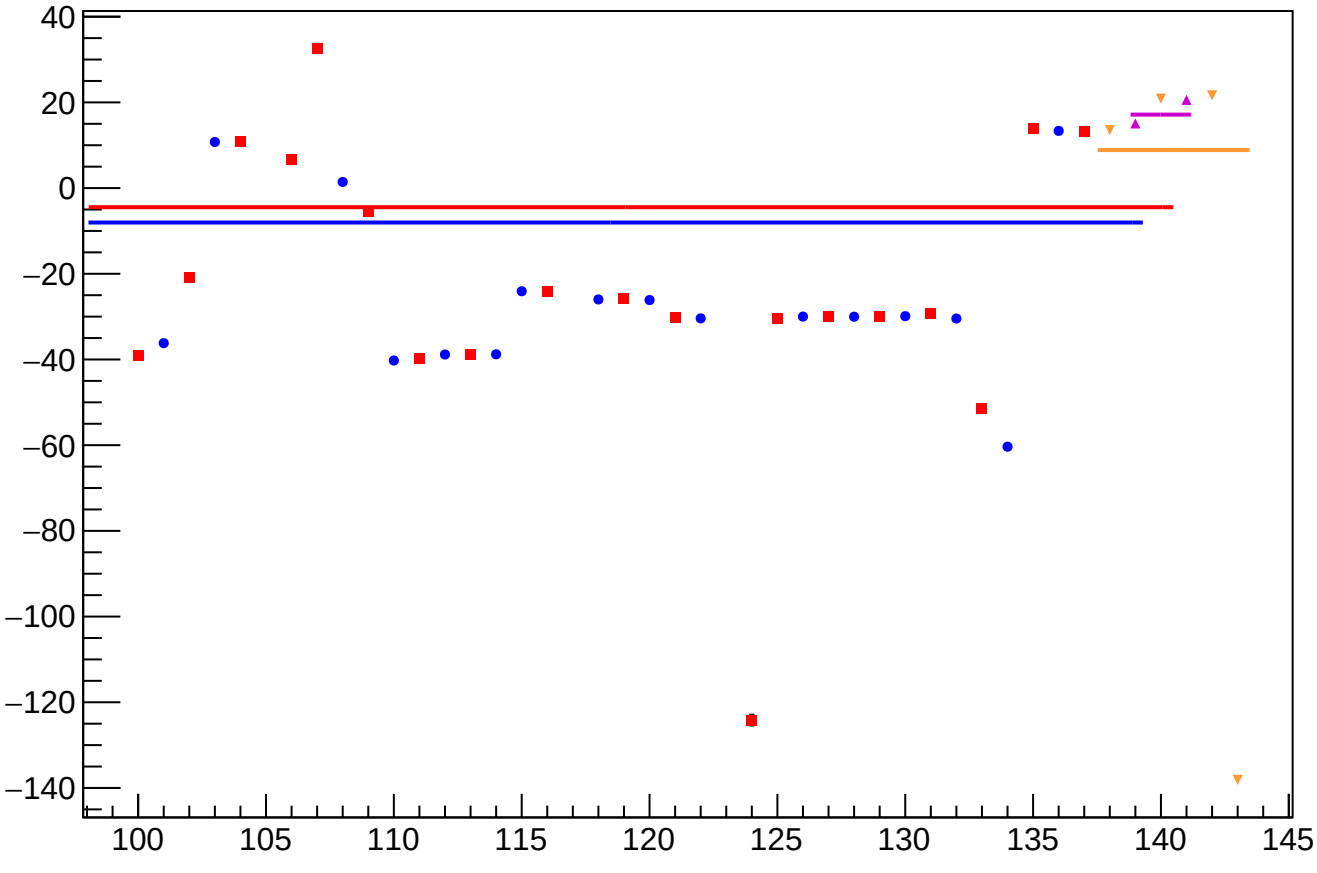
Left: 4.705+/-1.001 χ^2/NDF: 160.3/5

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 15.115+/-0.764 χ^2/NDF:968.7/17

Out: 13.346+/-0.701 χ^2/NDF:1115.0/22

All: 14.154+/-0.517 χ^2/NDF: 2086.5/40



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 8.878+/-0.053 χ^2/NDF:450530.8/3

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.146+/-0.057 χ^2/NDF:2211.0/1

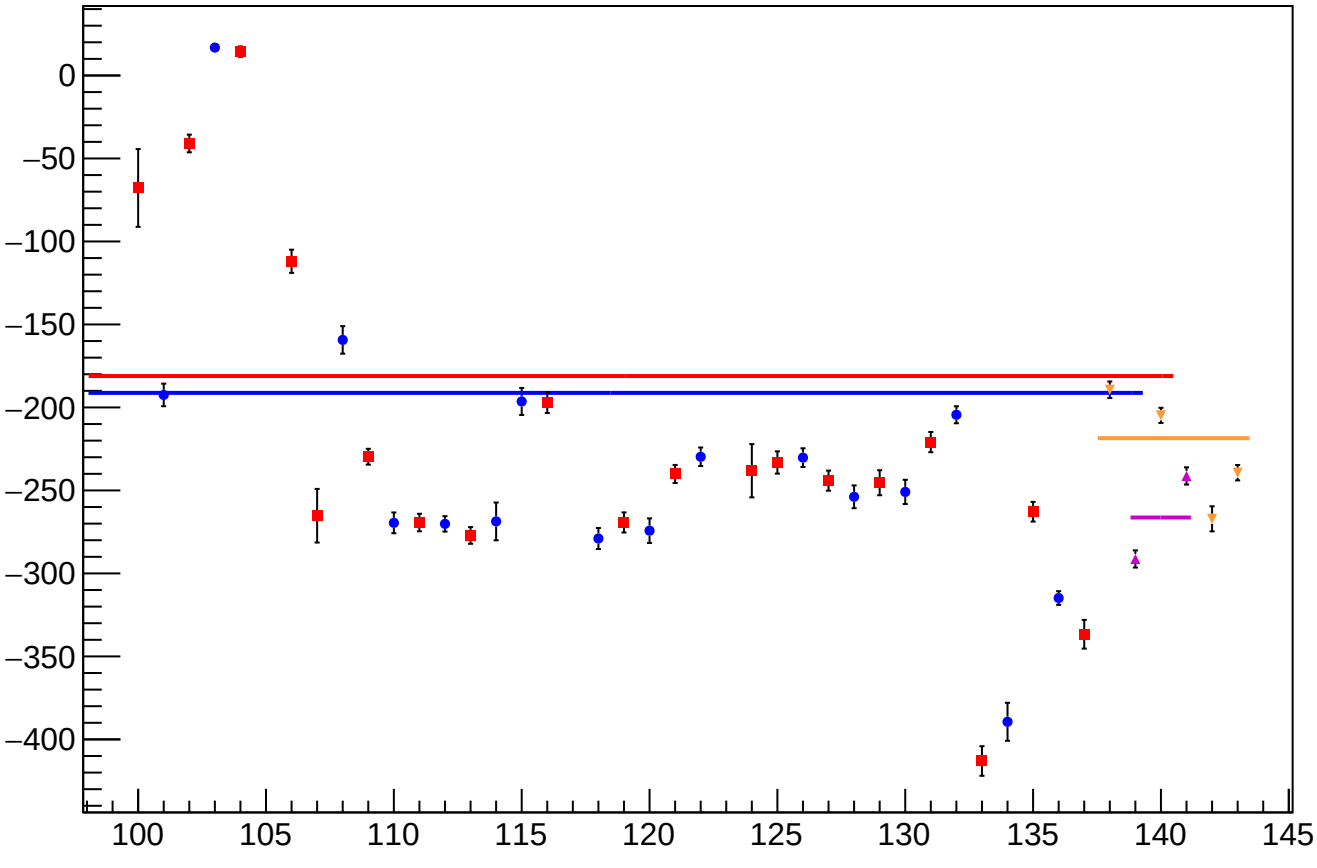
Left: 12.774+/-0.039 χ^2/NDF: 464022.2/5

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 1.934+/-0.036 χ^2/NDF:389663.9/17

Out: 1.329+/-0.035 χ^2/NDF:714217.4/22

All: 1.628+/-0.025 χ^2/NDF: 1104027.1/40



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -218.519+/-2.567 χ^2/NDF:104.5/3

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -266.311+/-3.664 χ^2/NDF:46.6/1

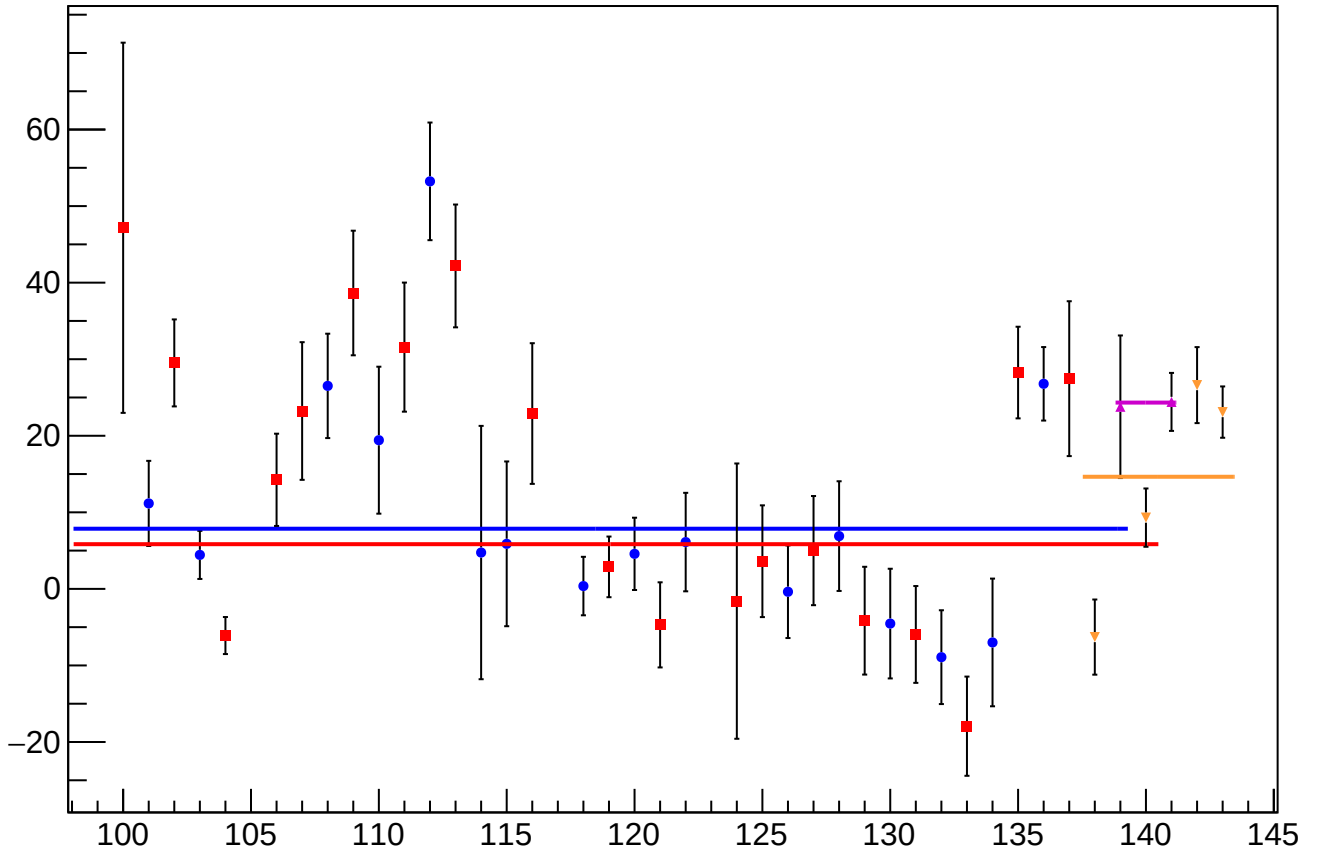
Left: -234.256+/-2.102 χ^2/NDF: 265.3/5

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -201.013+/-1.323 χ^2/NDF:7636.5/17

Out: -189.497+/-1.217 χ^2/NDF:7643.4/22

All: -194.777+/-0.896 χ^2/NDF: 15321.0/40



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 14.645+/-2.041 χ^2/NDF:32.3/3

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 24.334+/-3.509 χ^2/NDF:0.0/1

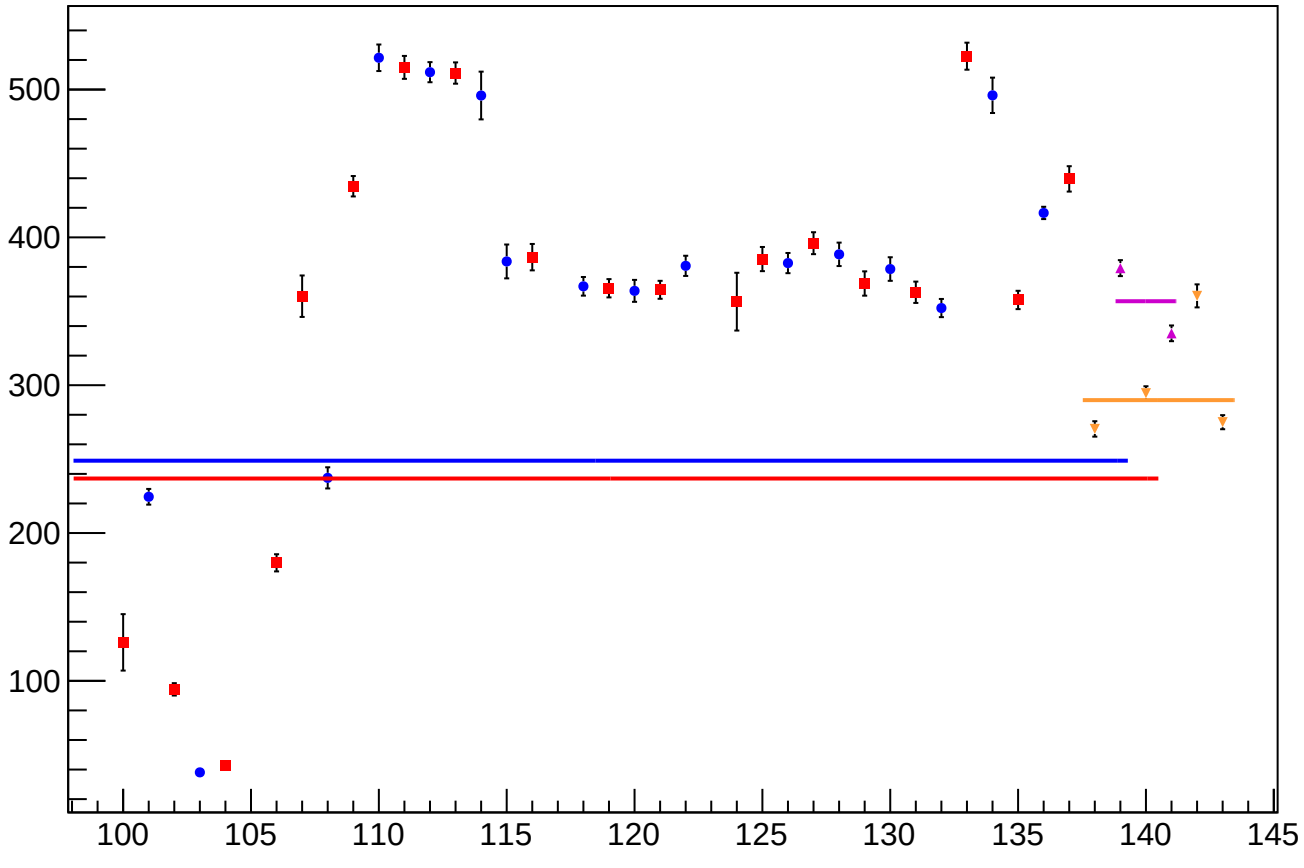
Left: 17.095+/-1.764 χ^2/NDF: 38.0/5

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 10.228+/-1.331 χ^2/NDF:99.8/17

Out: 8.534+/-1.129 χ^2/NDF:187.1/22

All: 9.243+/-0.861 χ^2/NDF: 287.8/40



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 289.903+/-2.651 χ^2/NDF:106.7/3

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 356.805+/-3.789 χ^2/NDF:33.9/1

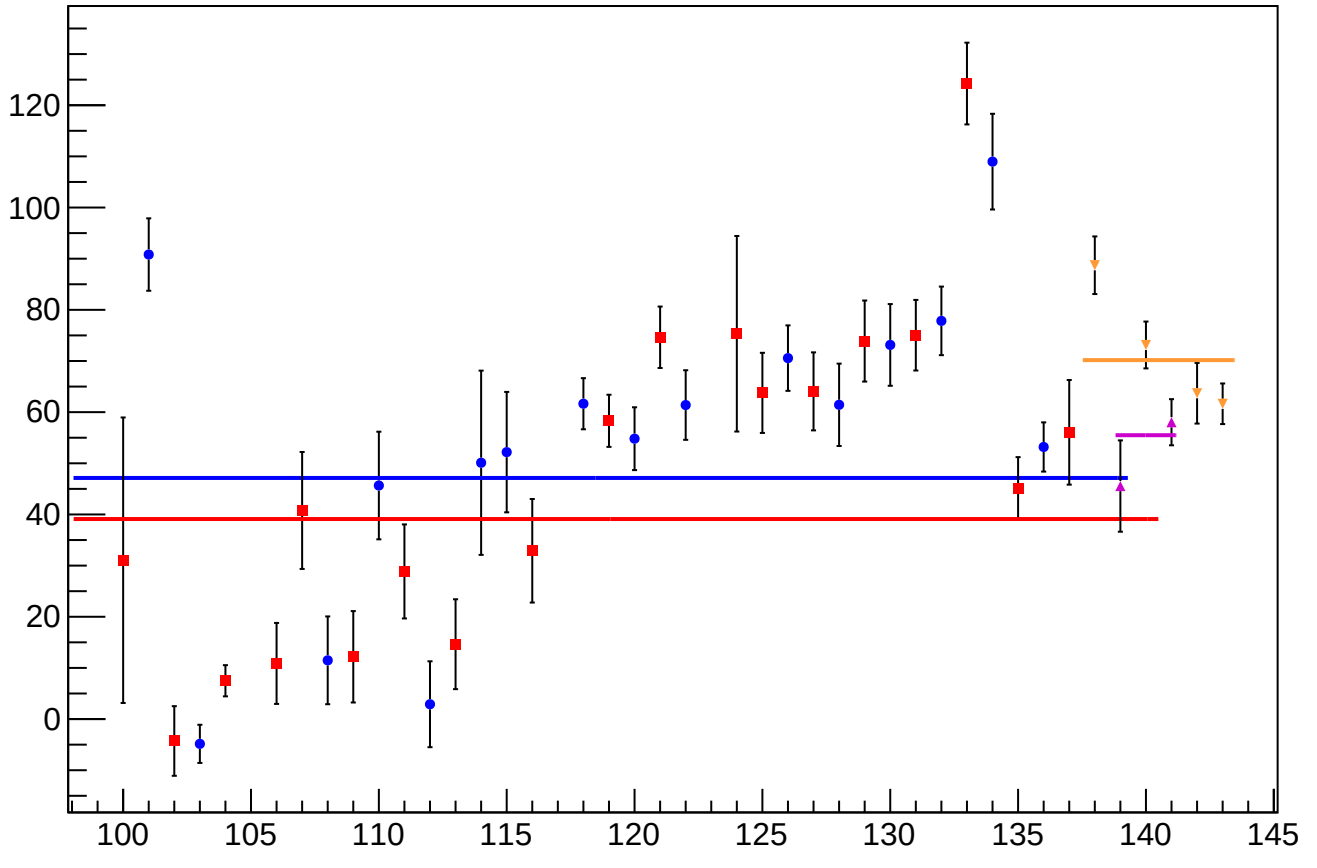
Left: 311.887+/-2.172 χ^2/NDF: 349.9/5

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 262.247+/-1.331 χ^2/NDF:16046.7/17

Out: 248.526+/-1.243 χ^2/NDF:16076.4/22

All: 254.915+/-0.908 χ^2/NDF: 32179.9/40



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 70.171+/-2.417 χ^2/NDF:17.1/3

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 55.493+/-4.025 χ^2/NDF:1.6/1

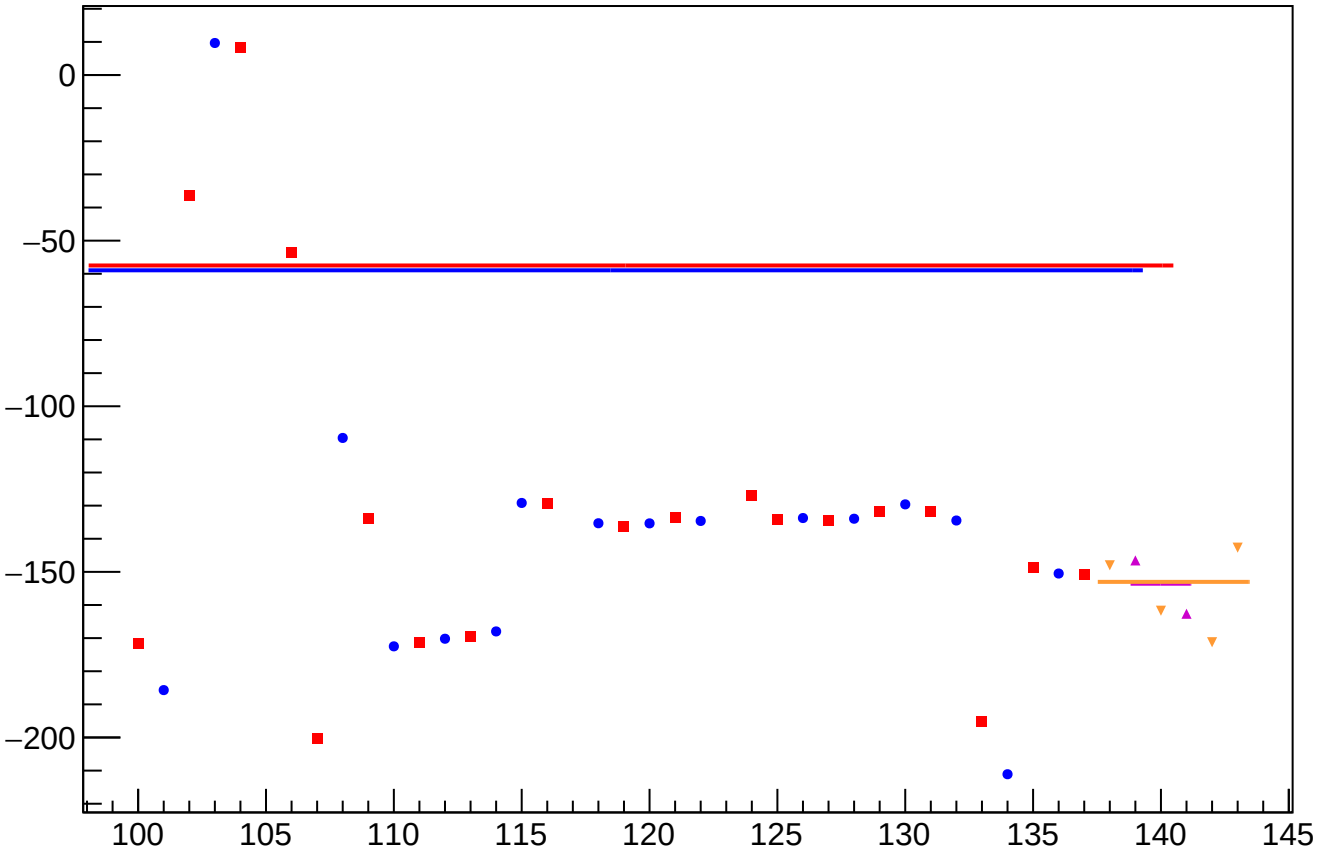
Left: 66.280+/-2.072 χ^2/NDF: 28.4/5

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 48.361+/-1.541 χ^2/NDF:390.6/17

Out: 48.535+/-1.332 χ^2/NDF:548.6/22

All: 48.461+/-1.008 χ^2/NDF: 939.1/40



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -153.017+/-0.111 χ^2/NDF:8244.4/3

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -153.577+/-0.144 χ^2/NDF:3061.9/1

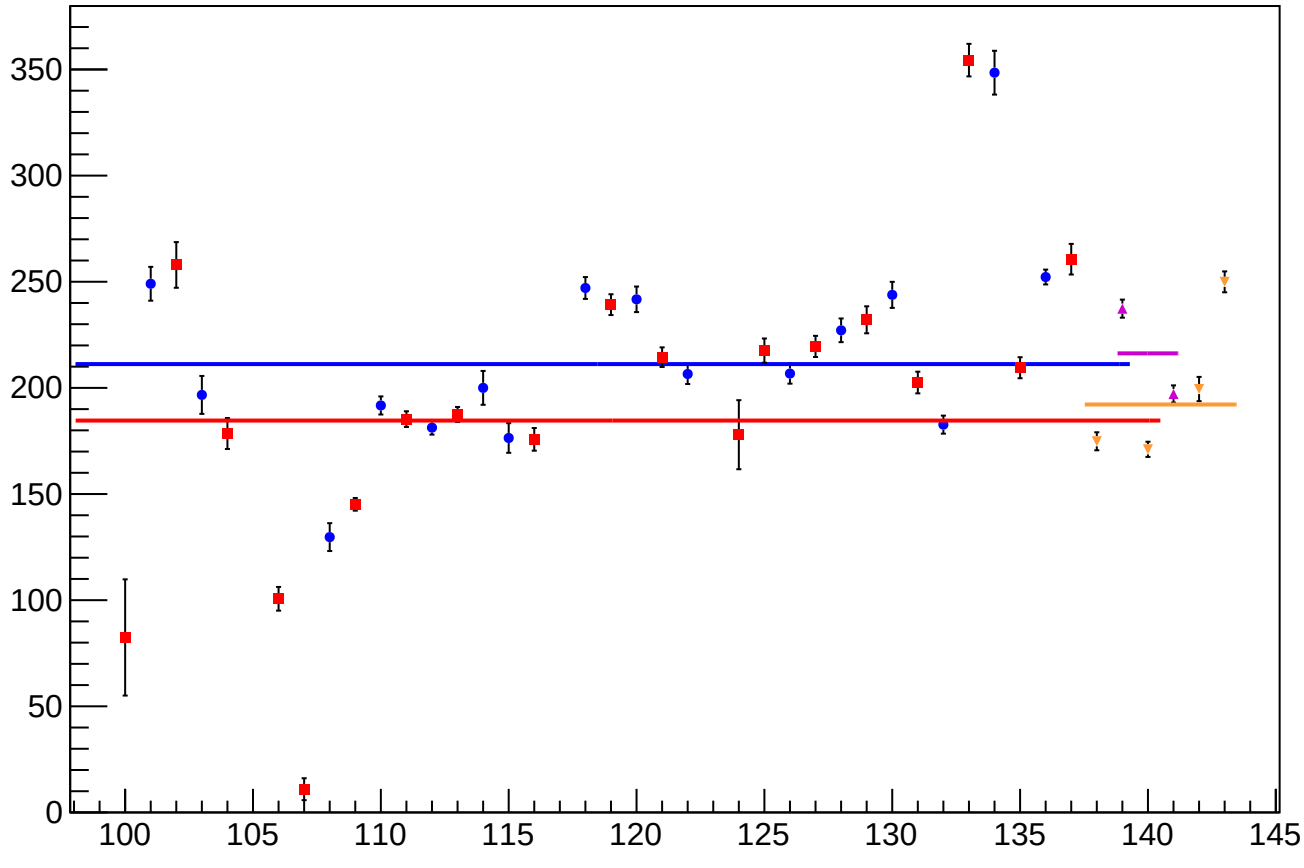
Left: -153.227+/-0.088 χ^2/NDF: 11315.6/5

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -78.066+/-0.065 χ^2/NDF:1573139.3/17

Out: -86.858+/-0.062 χ^2/NDF:1388117.1/22

All: -82.674+/-0.045 χ^2/NDF: 2970887.7/40



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 192.177+/-2.207 χ^2/NDF:190.7/3

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 216.264+/-2.938 χ^2/NDF:46.7/1

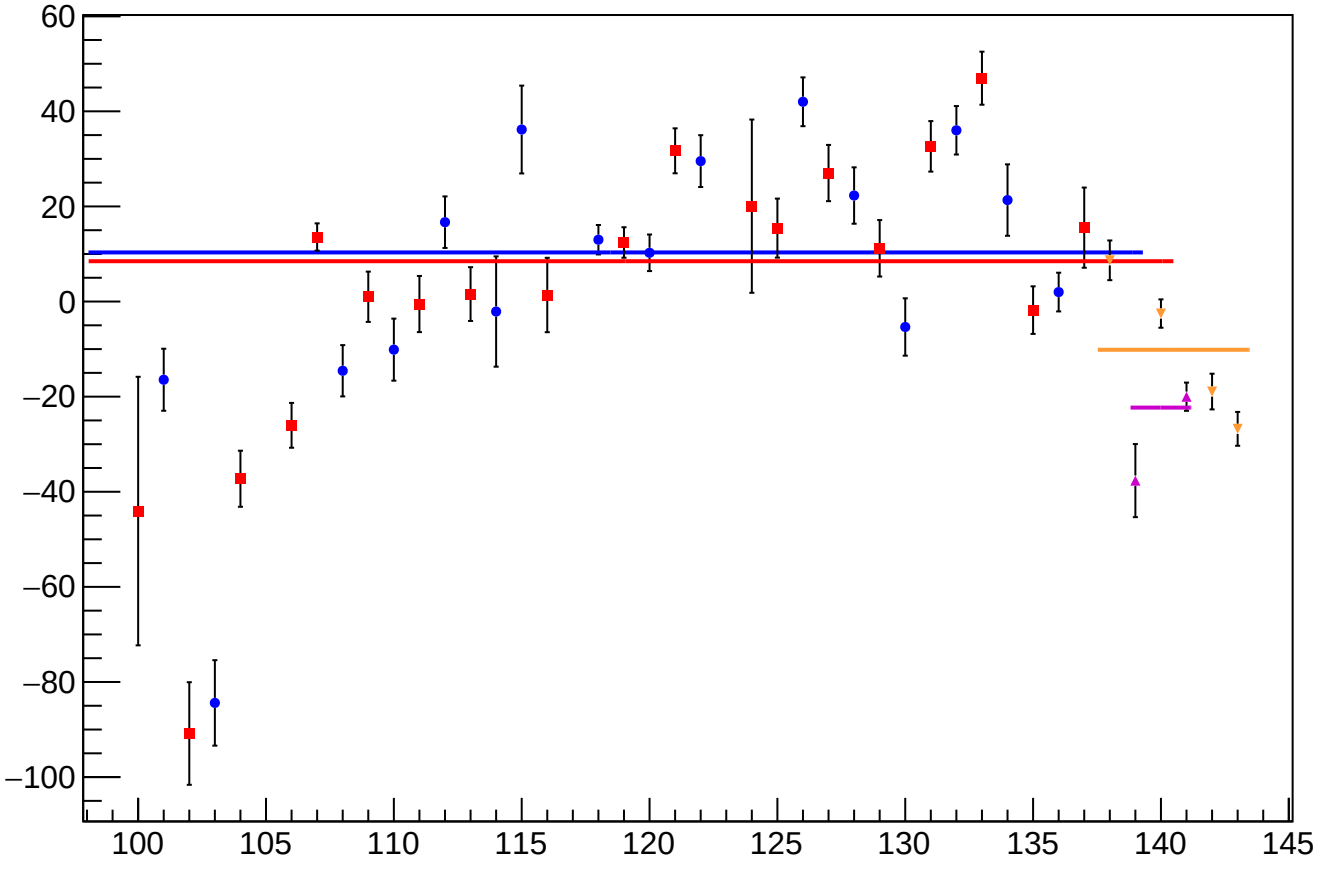
Left: 200.867+/-1.765 χ^2/NDF: 280.4/5

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 212.033+/-1.186 χ^2/NDF:832.2/17

Out: 186.326+/-1.050 χ^2/NDF:2740.1/22

All: 197.627+/-0.786 χ^2/NDF: 3835.8/40



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -10.142+/-1.769 χ^2/NDF:54.1/3

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -22.303+/-2.769 χ^2/NDF:4.6/1

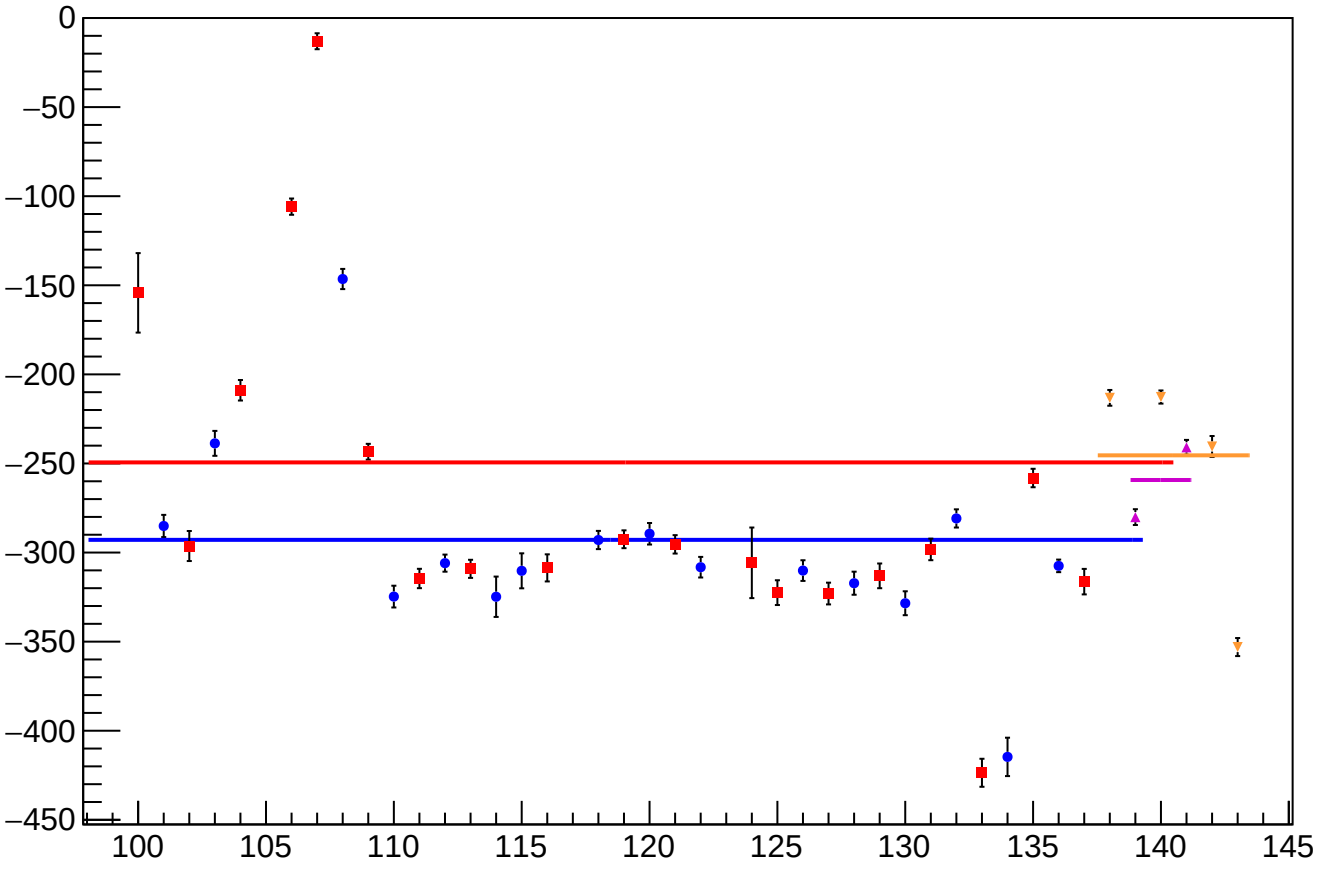
Left: -13.665+/-1.491 χ^2/NDF: 72.4/5

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 4.193+/-1.201 χ^2/NDF:380.6/17

Out: 2.445+/-1.007 χ^2/NDF:451.4/22

All: 3.167+/-0.772 χ^2/NDF: 833.2/40



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -245.441+/-2.280 χ^2/NDF:584.3/3

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -259.281+/-3.036 χ^2/NDF:41.4/1

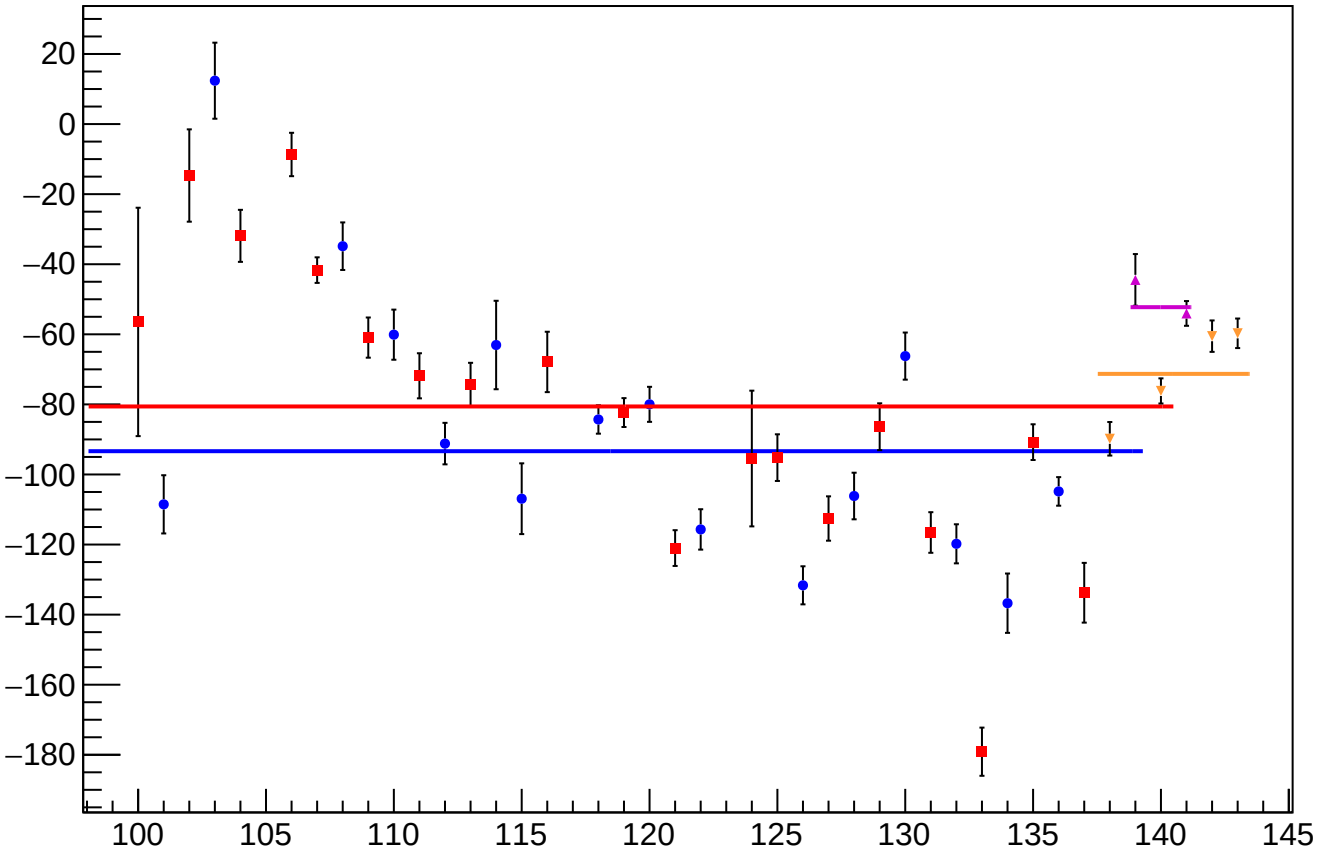
Left: -250.430+/-1.823 χ^2/NDF: 639.0/5

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -286.511+/-1.321 χ^2/NDF:1124.1/17

Out: -248.356+/-1.173 χ^2/NDF:5955.0/22

All: -265.180+/-0.877 χ^2/NDF: 7545.3/40



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -71.294+/-2.097 χ^2/NDF:30.1/3

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -52.255+/-3.185 χ^2/NDF:1.4/1

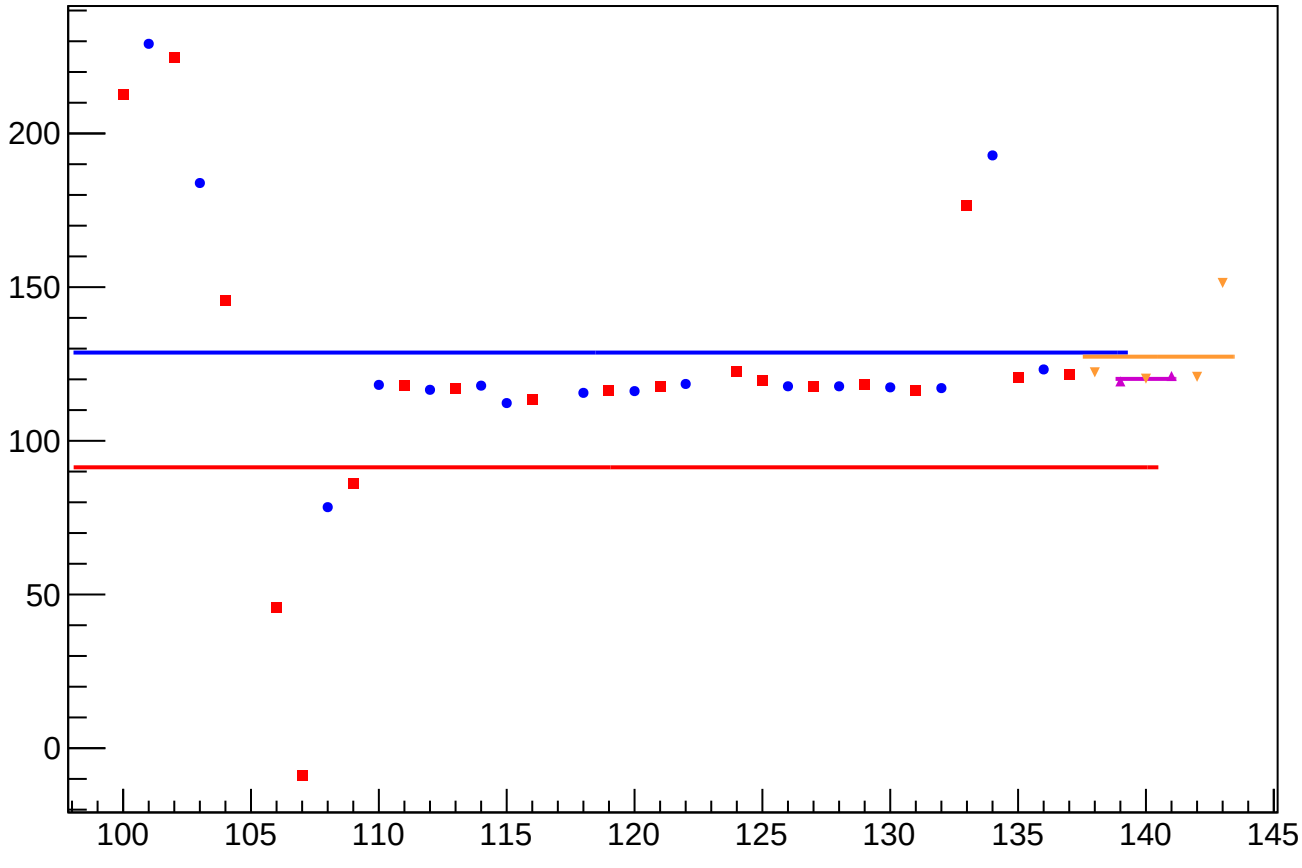
Left: -65.538+/-1.751 χ^2/NDF: 56.4/5

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -85.616+/-1.382 χ^2/NDF:491.8/17

Out: -77.657+/-1.178 χ^2/NDF:758.9/22

All: -81.005+/-0.897 χ^2/NDF: 1270.0/40



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 127.379+/-0.096 χ^2/NDF:16372.2/3

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 120.149+/-0.116 χ^2/NDF:56.4/1

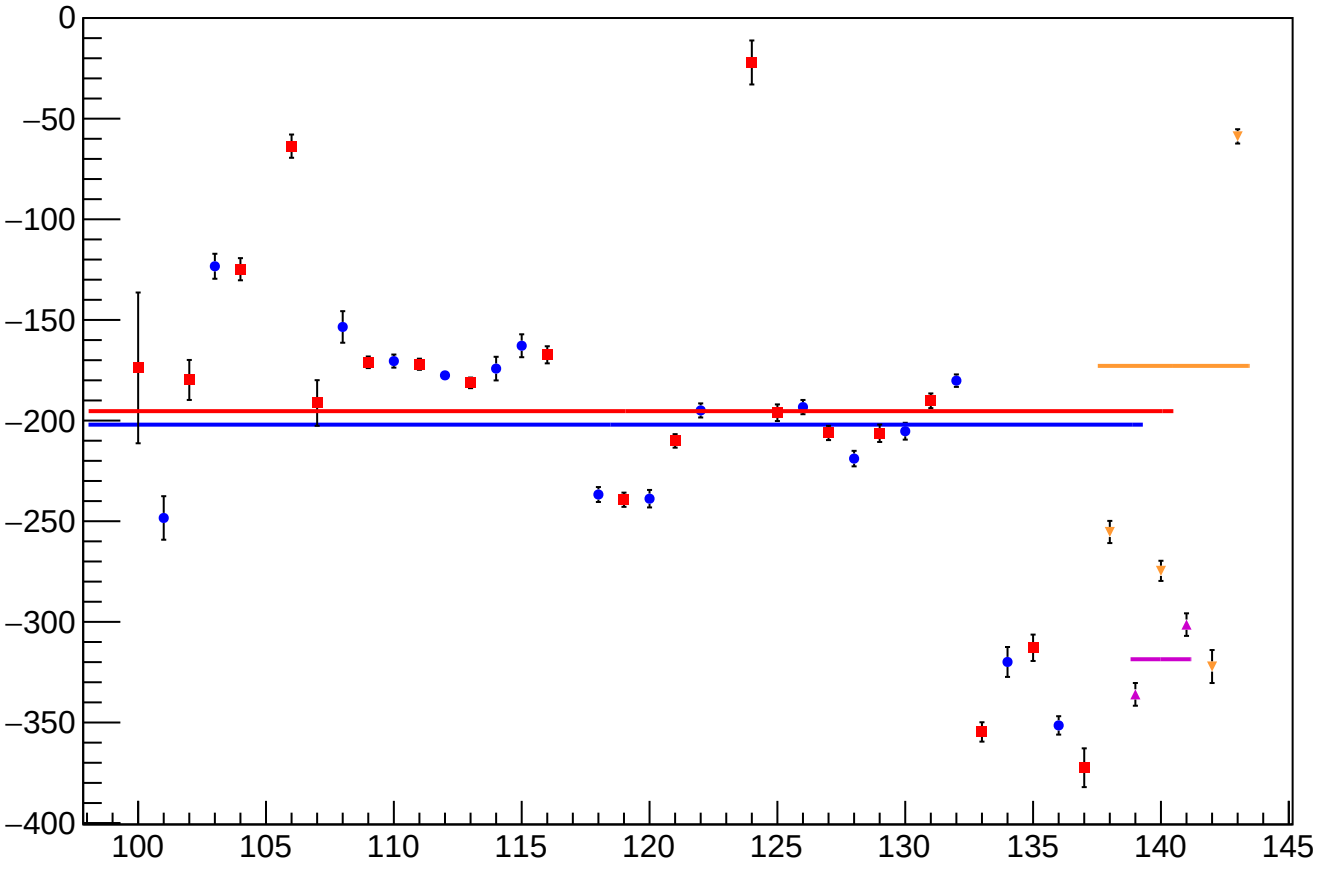
Left: 124.444+/-0.074 χ^2/NDF: 18725.3/5

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 125.544+/-0.071 χ^2/NDF:186997.8/17

Out: 105.908+/-0.061 χ^2/NDF:704915.6/22

All: 114.291+/-0.046 χ^2/NDF: 936067.2/40



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -172.824+/-2.449 χ^2/NDF:1996.8/3

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -318.568+/-3.979 χ^2/NDF:19.0/1

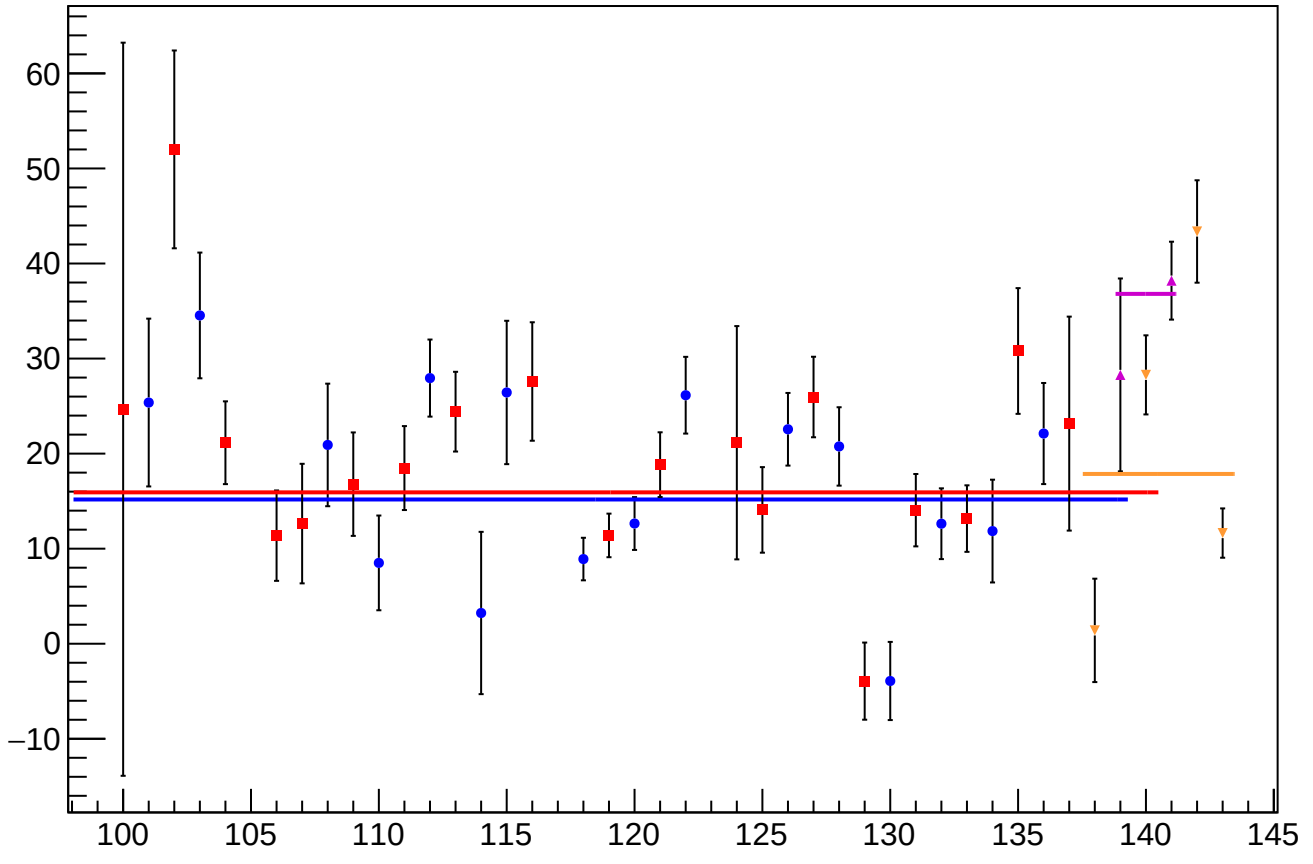
Left: -212.863+/-2.086 χ^2/NDF: 2988.6/5

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -209.259+/-0.992 χ^2/NDF:2863.8/17

Out: -192.239+/-0.905 χ^2/NDF:5170.3/22

All: -199.974+/-0.669 χ^2/NDF: 8194.8/40



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 17.862+/-1.908 χ^2/NDF:43.6/3

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: 21.676+/-1.705 χ^2/NDF: 64.3/5

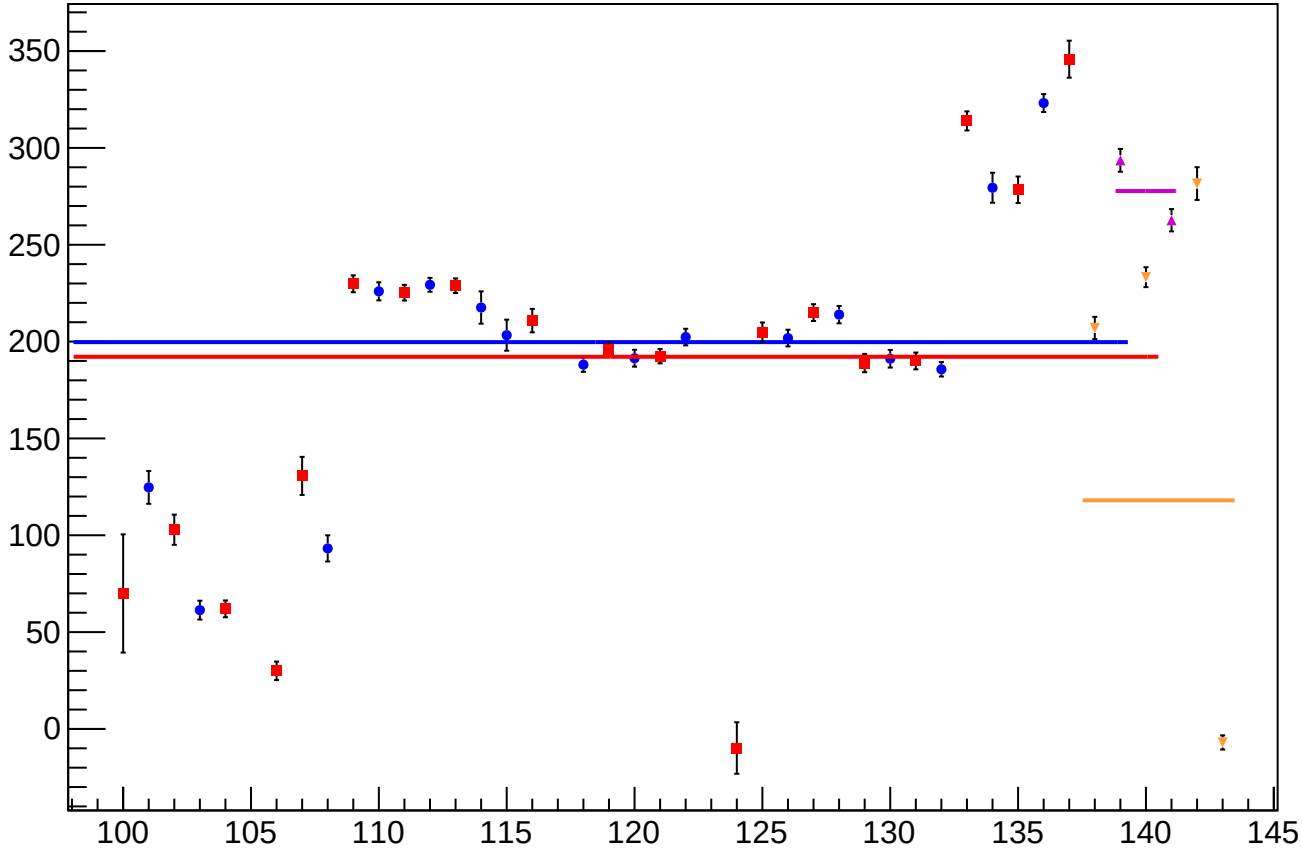
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 16.703+/-1.010 χ^2/NDF:103.3/17

Out: 16.367+/-0.911 χ^2/NDF:107.9/22

All: 16.518+/-0.676 χ^2/NDF: 211.3/40

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: 118.033+/-2.527 χ^2/NDF:2281.8/3

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 277.757+/-4.115 χ^2/NDF:14.1/1

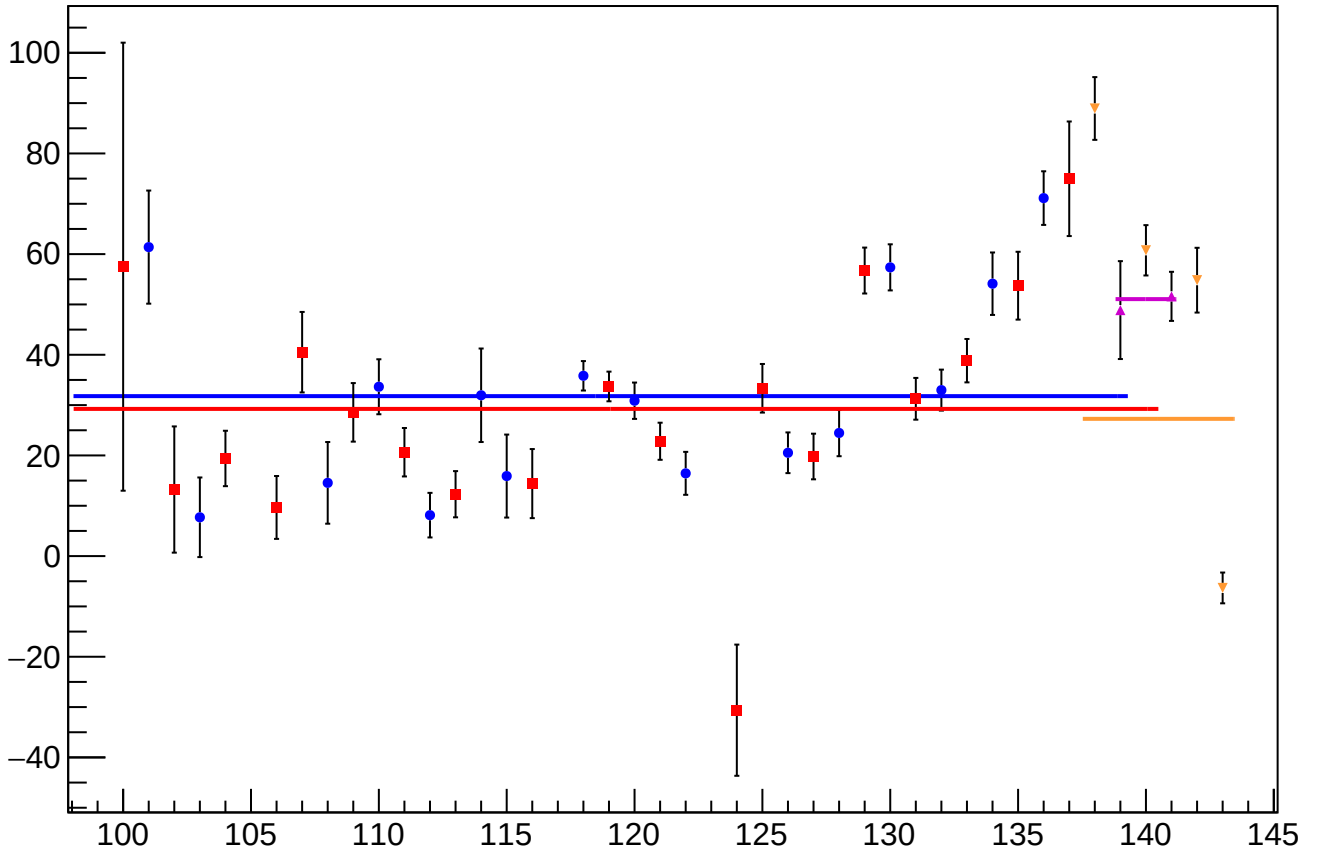
Left: 161.758+/-2.153 χ^2/NDF: 3390.0/5

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 205.797+/-1.148 χ^2/NDF:2447.3/17

Out: 179.426+/-1.047 χ^2/NDF:6771.8/22

All: 191.398+/-0.774 χ^2/NDF: 9507.2/40



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 27.269+/-2.254 χ^2/NDF:281.7/3

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 51.058+/-4.360 χ^2/NDF:0.1/1

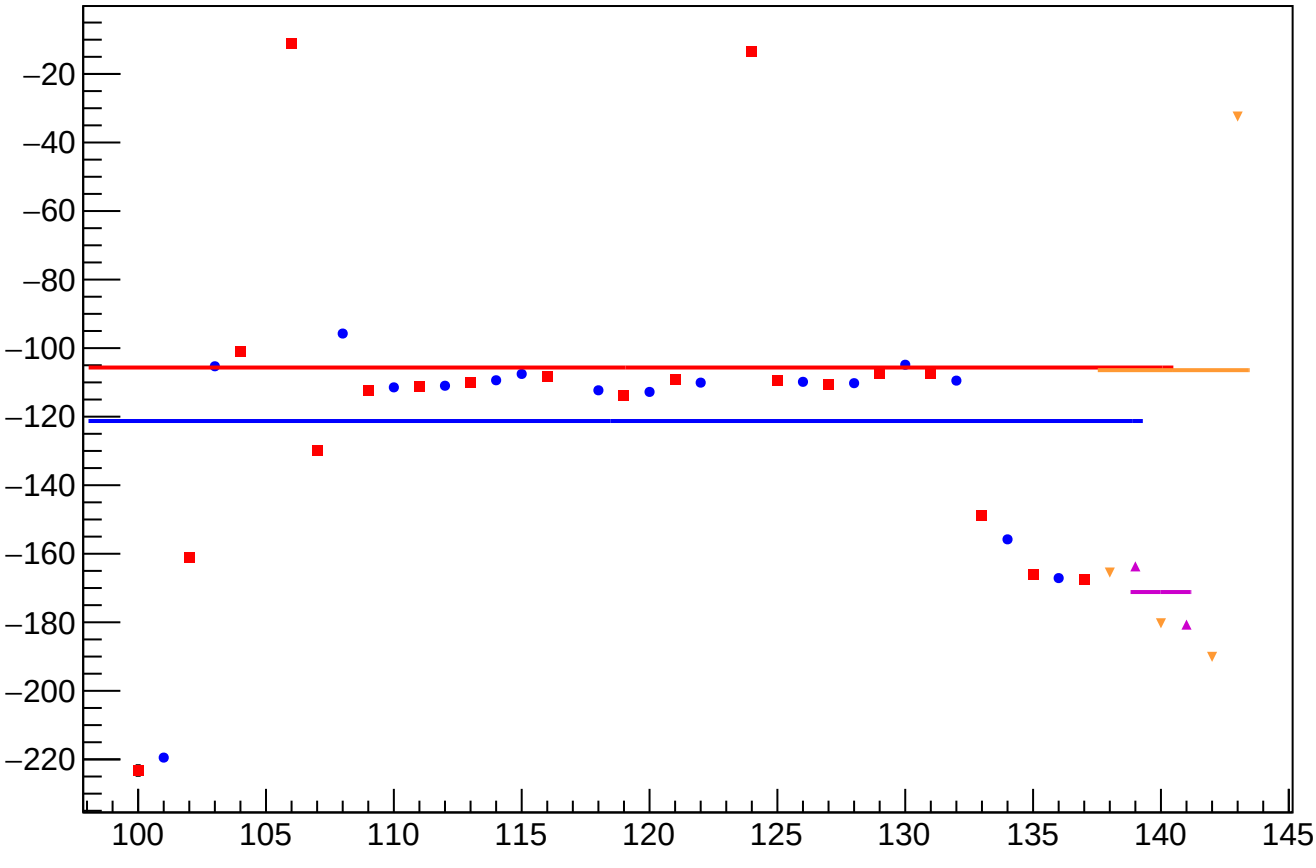
Left: 32.287+/-2.002 χ^2/NDF: 305.2/5

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 33.174+/-1.172 χ^2/NDF:195.2/17

Out: 28.810+/-1.057 χ^2/NDF:423.2/22

All: 30.768+/-0.785 χ^2/NDF: 626.0/40



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -106.431+/-0.106 χ^2/NDF:464200.6/3

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -171.171+/-0.157 χ^2/NDF:2898.6/1

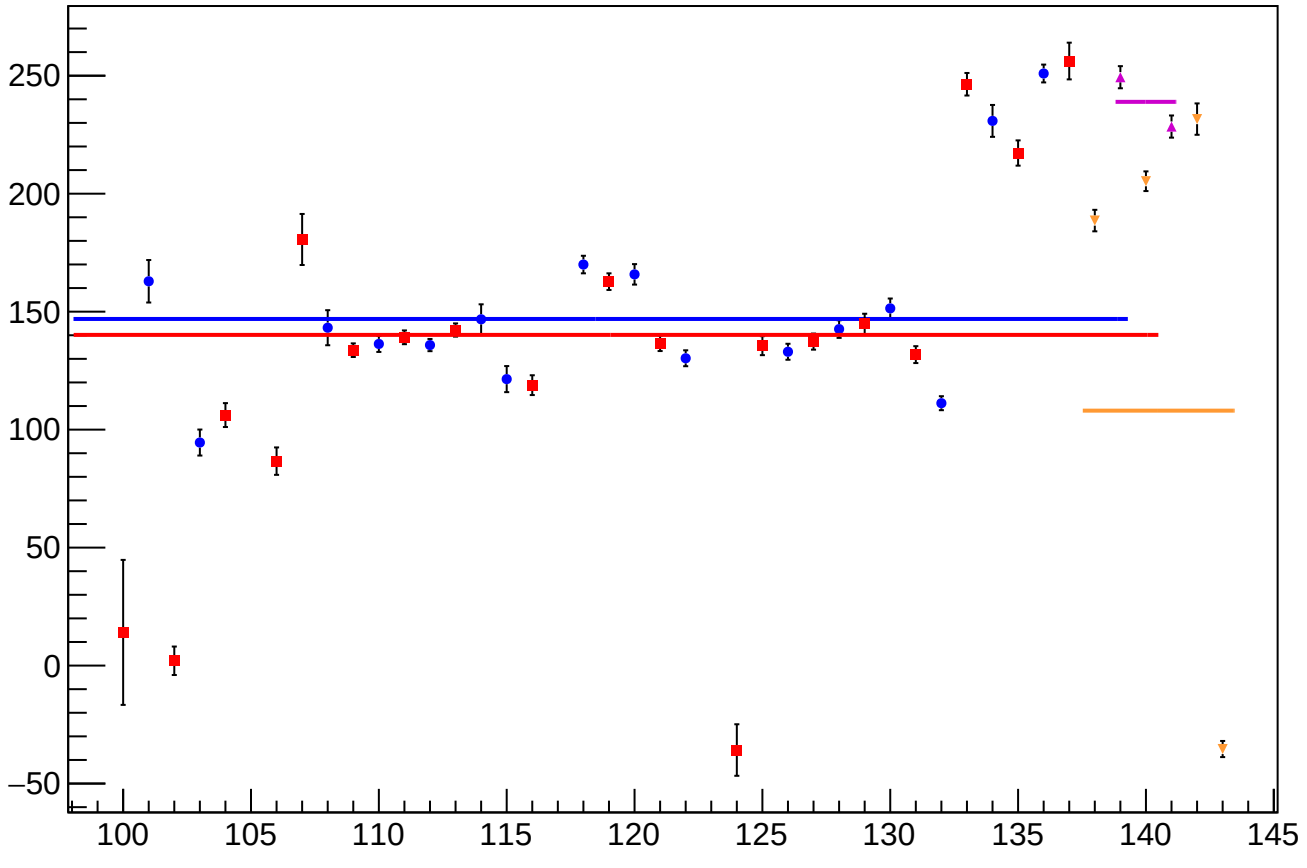
Left: -126.695+/-0.088 χ^2/NDF: 584325.8/5

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -131.424+/-0.071 χ^2/NDF:203050.0/17

Out: -105.917+/-0.061 χ^2/NDF:819329.8/22

All: -116.806+/-0.046 χ^2/NDF: 1096971.0/40



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 108.049+/-2.162 χ^2/NDF:2961.7/3

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 238.922+/-3.318 χ^2/NDF:9.9/1

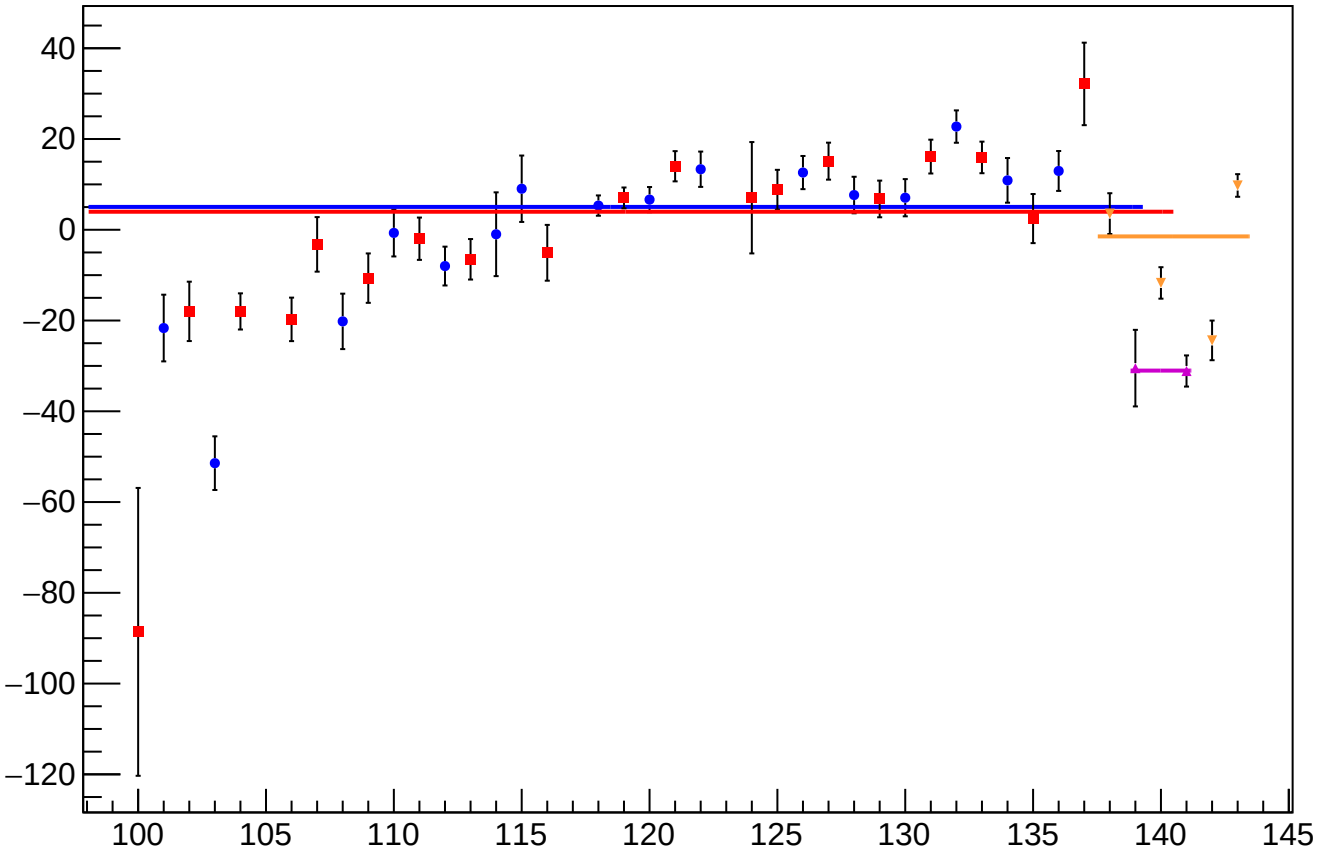
Left: 147.057+/-1.812 χ^2/NDF: 4063.5/5

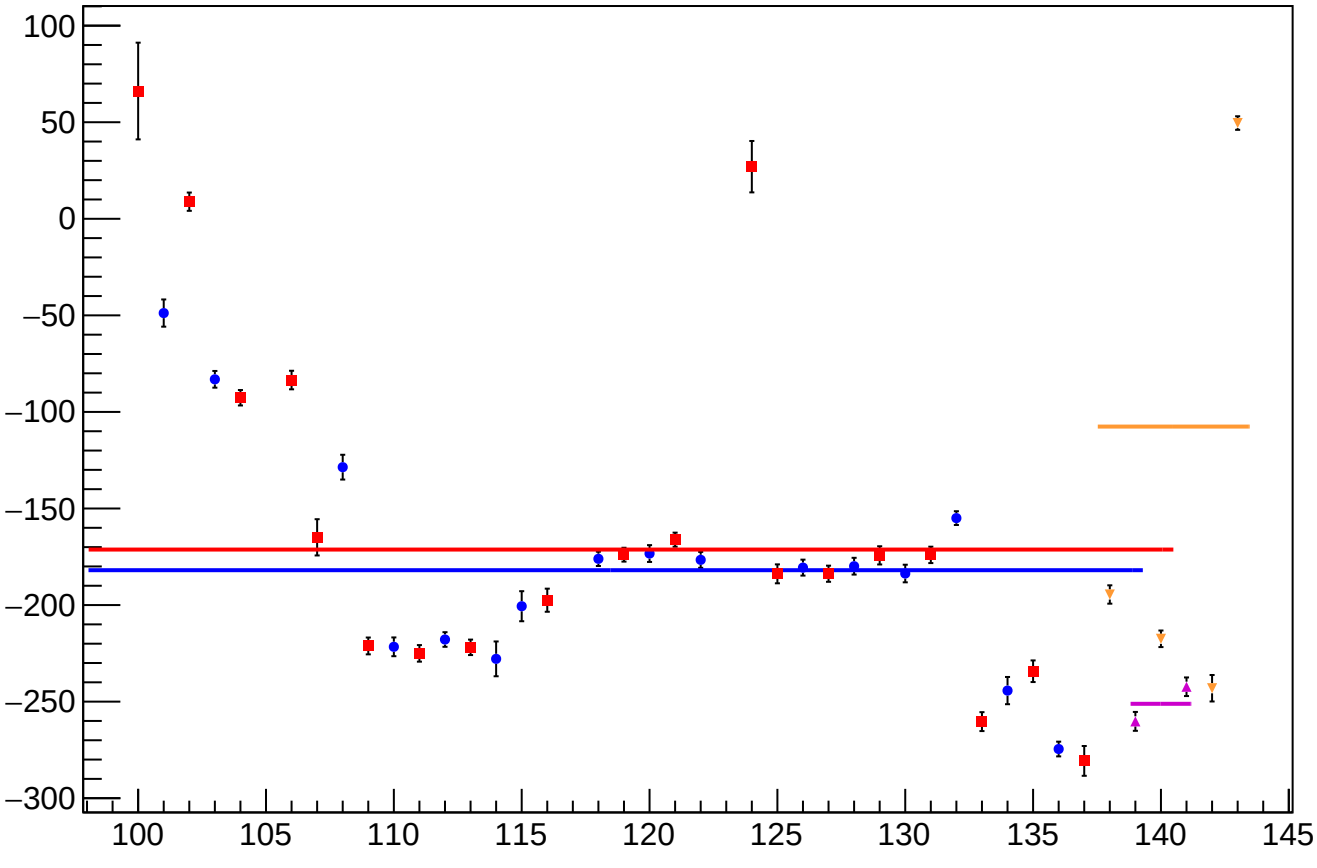
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 154.613+/-0.960 χ^2/NDF:2016.5/17

Out: 134.866+/-0.877 χ^2/NDF:5096.4/22

All: 143.851+/-0.648 χ^2/NDF: 7343.3/40


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
105
110
115
120
125
130
135
140
145
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -1.465+/-1.700 χ²/NDF:57.8/3
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -31.032+/-3.180 χ²/NDF:0.0/1
Left: -8.037+/-1.499 χ²/NDF: 125.0/5
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 1.668+/-0.972 χ²/NDF:288.5/17
Out: 2.552+/-0.870 χ²/NDF:210.2/22
All: 2.159+/-0.648 χ²/NDF: 499.2/40



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -107.585+/-2.232 χ^2/NDF:3379.2/3

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -251.129+/-3.431 χ^2/NDF:6.8/1

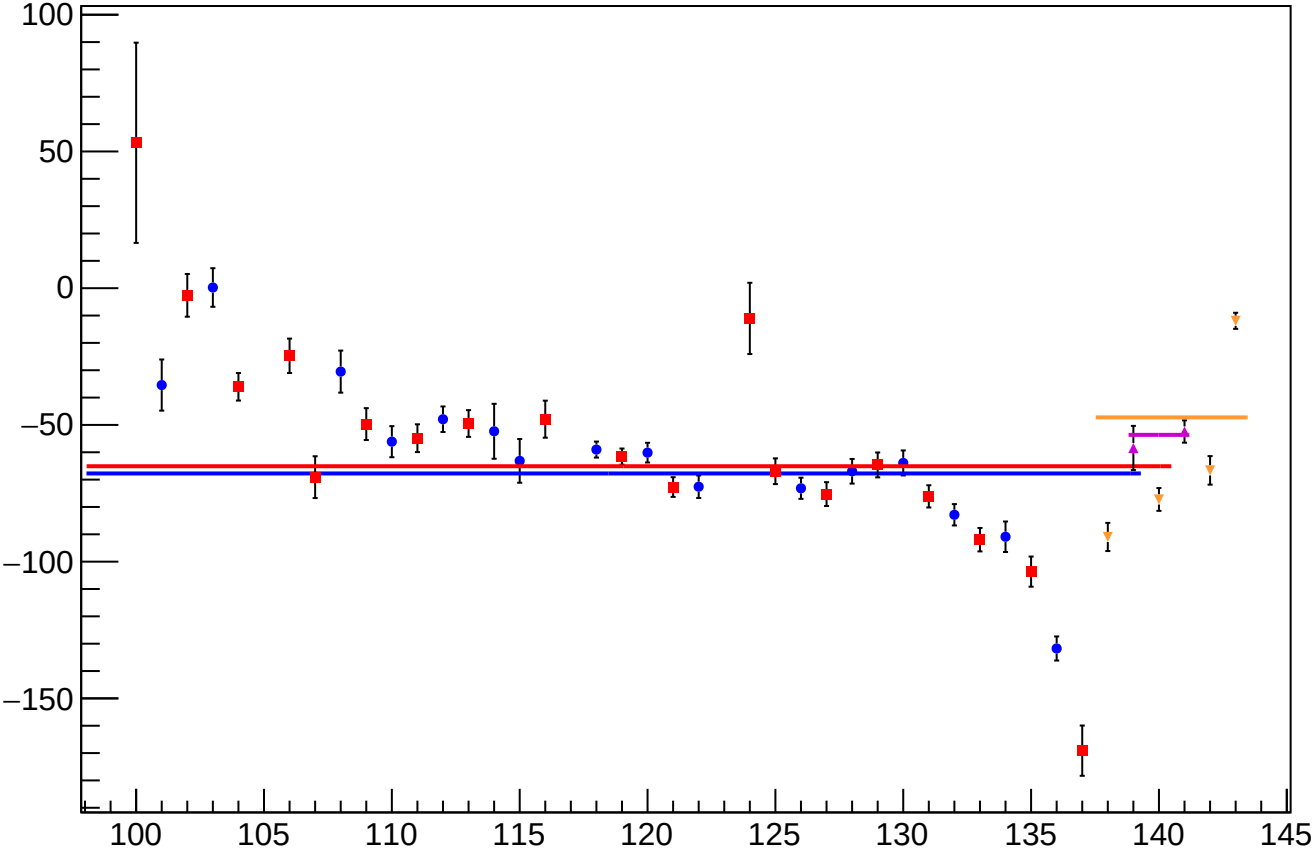
Left: -150.252+/-1.871 χ^2/NDF: 4615.9/5

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -188.976+/-1.094 χ^2/NDF:2242.5/17

Out: -158.612+/-0.995 χ^2/NDF:7659.9/22

All: -172.356+/-0.736 χ^2/NDF: 10324.2/40



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -47.251+/-2.009 χ^2/NDF:282.1/3

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -53.632+/-3.647 χ^2/NDF:0.4/1

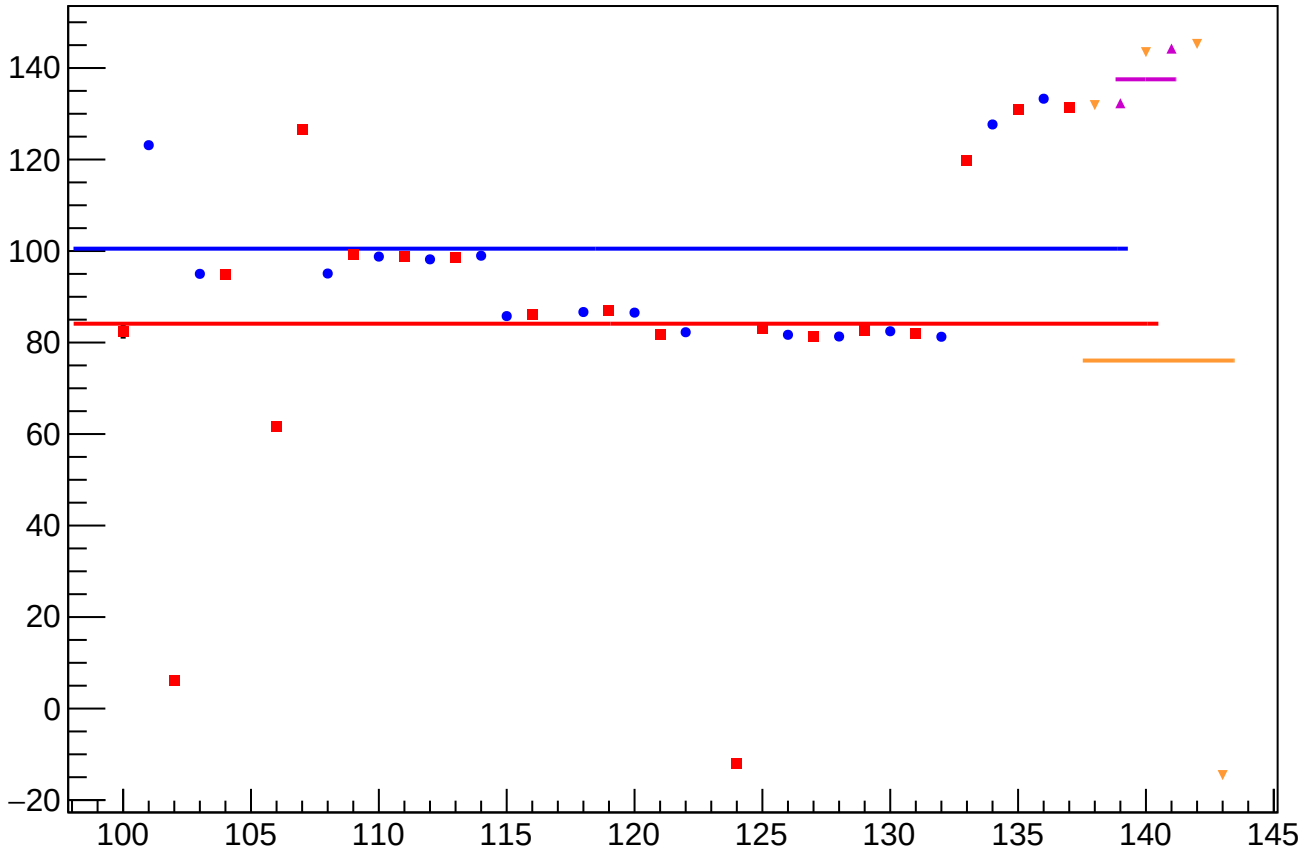
Left: -48.737+/-1.760 χ^2/NDF: 284.9/5

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -66.406+/-1.124 χ^2/NDF:428.0/17

Out: -60.603+/-1.009 χ^2/NDF:770.2/22

All: -63.193+/-0.751 χ^2/NDF: 1213.0/40



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 76.065+/-0.093 χ^2/NDF:655782.3/3

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: 96.870+/-0.076 χ^2/NDF: 804135.8/5

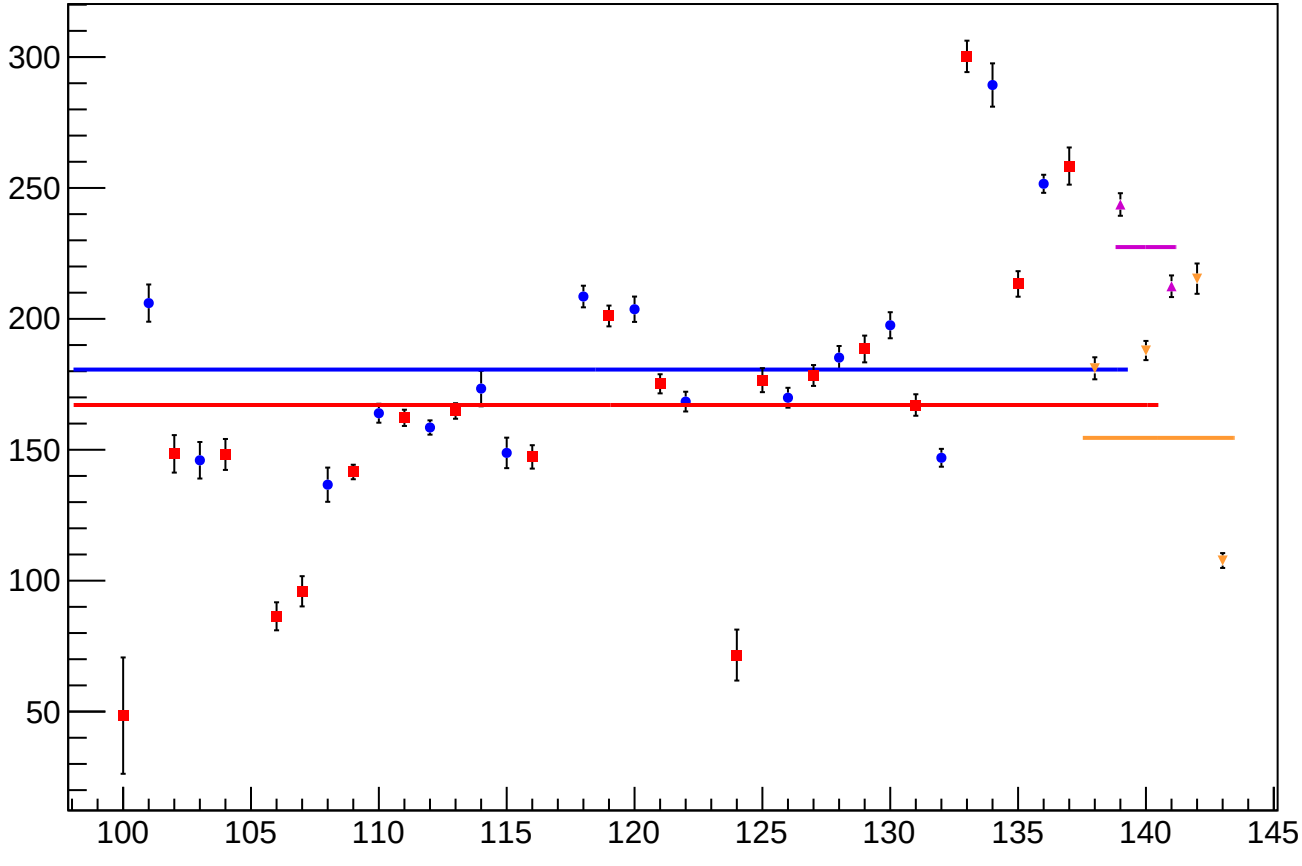
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 109.495+/-0.064 χ^2/NDF:130262.5/17

Out: 81.266+/-0.056 χ^2/NDF:924361.8/22

All: 93.334+/-0.042 χ^2/NDF: 1164724.0/40

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: 154.542+/-1.874 χ^2/NDF:504.9/3

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.422+/-2.984 χ^2/NDF:27.3/1

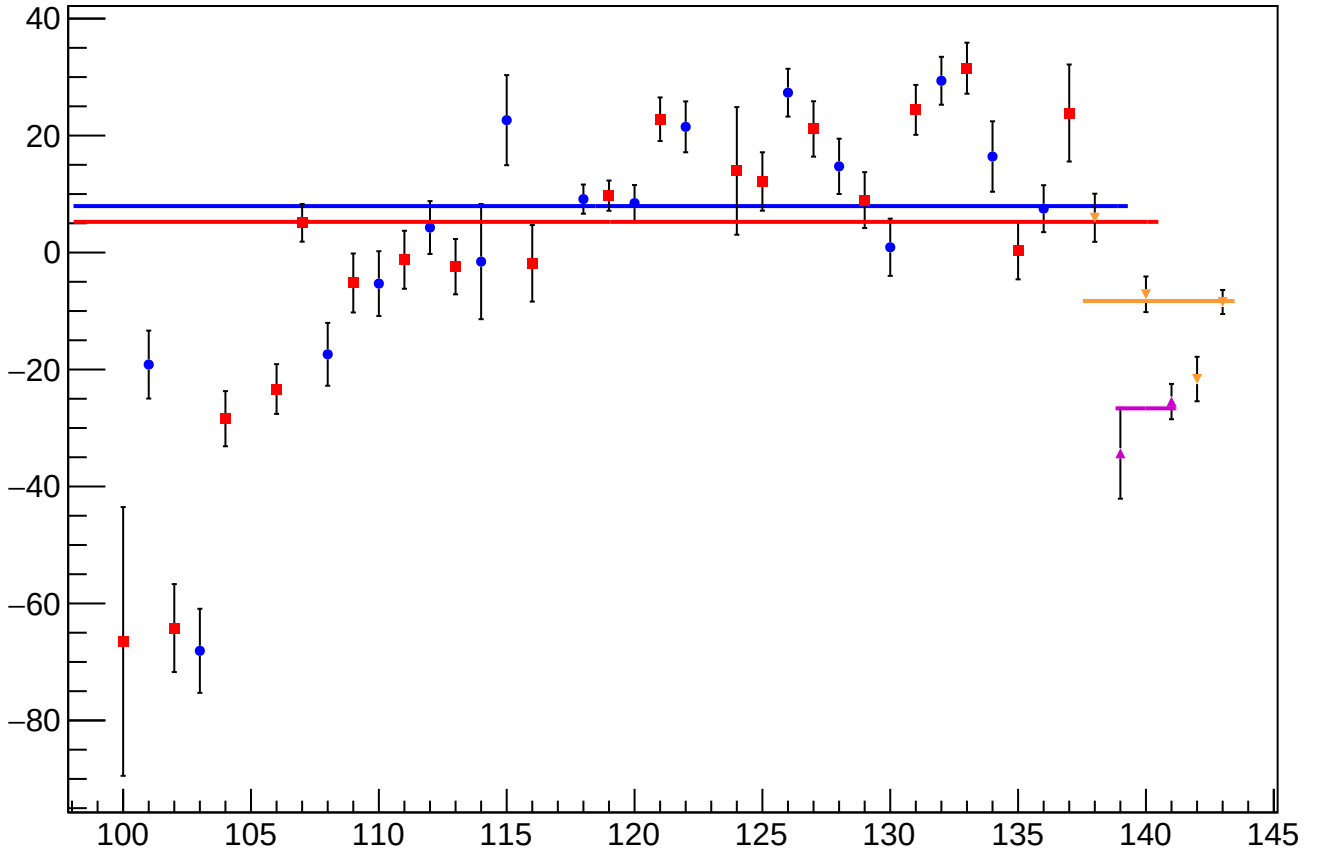
Left: 175.164+/-1.587 χ^2/NDF: 960.0/5

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 186.140+/-1.024 χ^2/NDF:1237.7/17

Out: 164.229+/-0.896 χ^2/NDF:2024.1/22

All: 173.741+/-0.674 χ^2/NDF: 3521.1/40



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

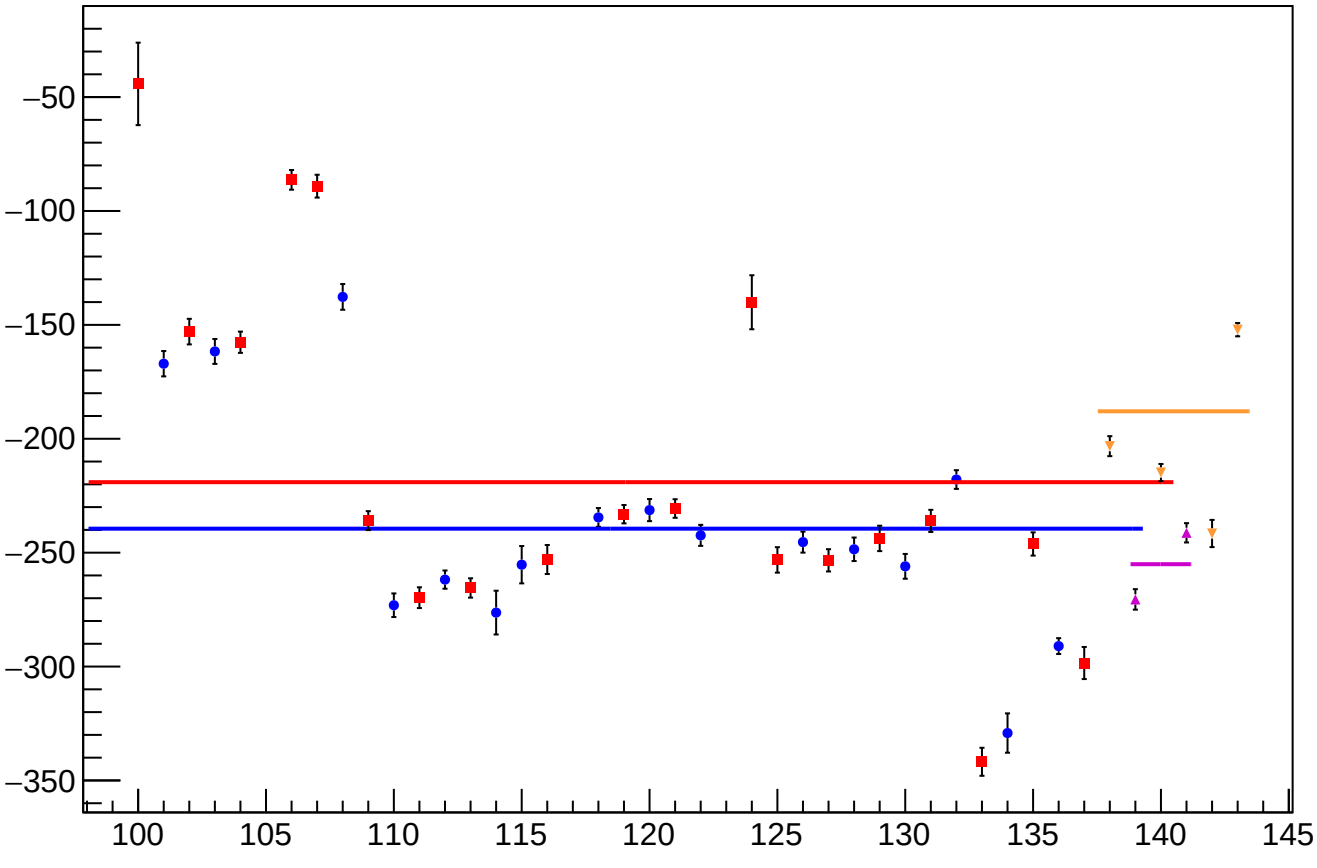
Left: -12.157+/-1.293 χ^2/NDF: 59.1/5

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.267+/-1.035 χ^2/NDF:364.5/17

Out: 0.547+/-0.858 χ^2/NDF:383.7/22

All: 1.655+/-0.661 χ^2/NDF: 752.3/40



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -187.932+/-1.934 χ^2/NDF:294.1/3

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -255.062+/-3.084 χ^2/NDF:22.4/1

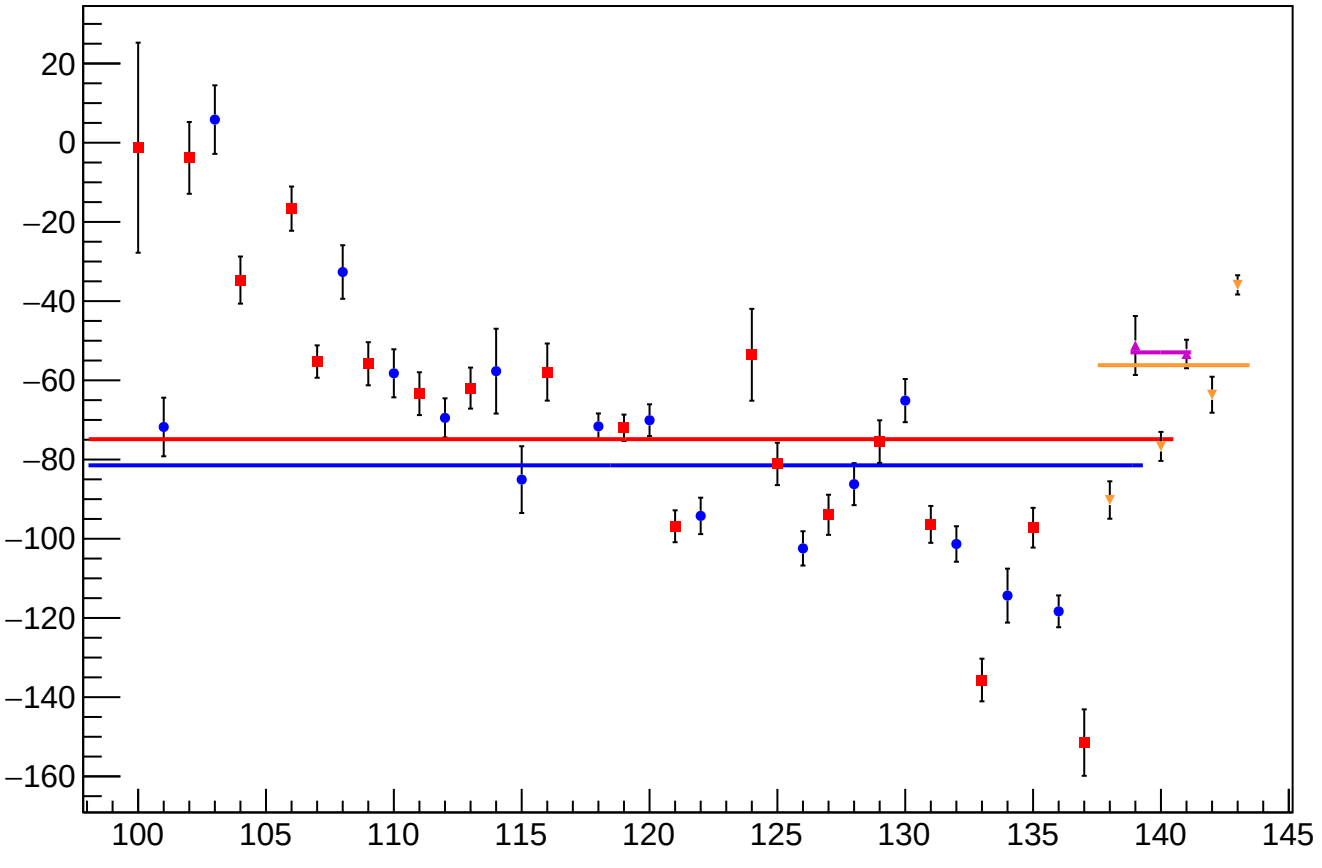
Left: -206.873+/-1.638 χ^2/NDF: 656.6/5

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.655+/-1.155 χ^2/NDF:1206.6/17

Out: -210.646+/-1.005 χ^2/NDF:3532.5/22

All: -224.009+/-0.758 χ^2/NDF: 5149.4/40



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.172+/-1.724 χ^2/NDF:155.2/3

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: -55.458+/-1.522 χ^2/NDF: 156.1/5

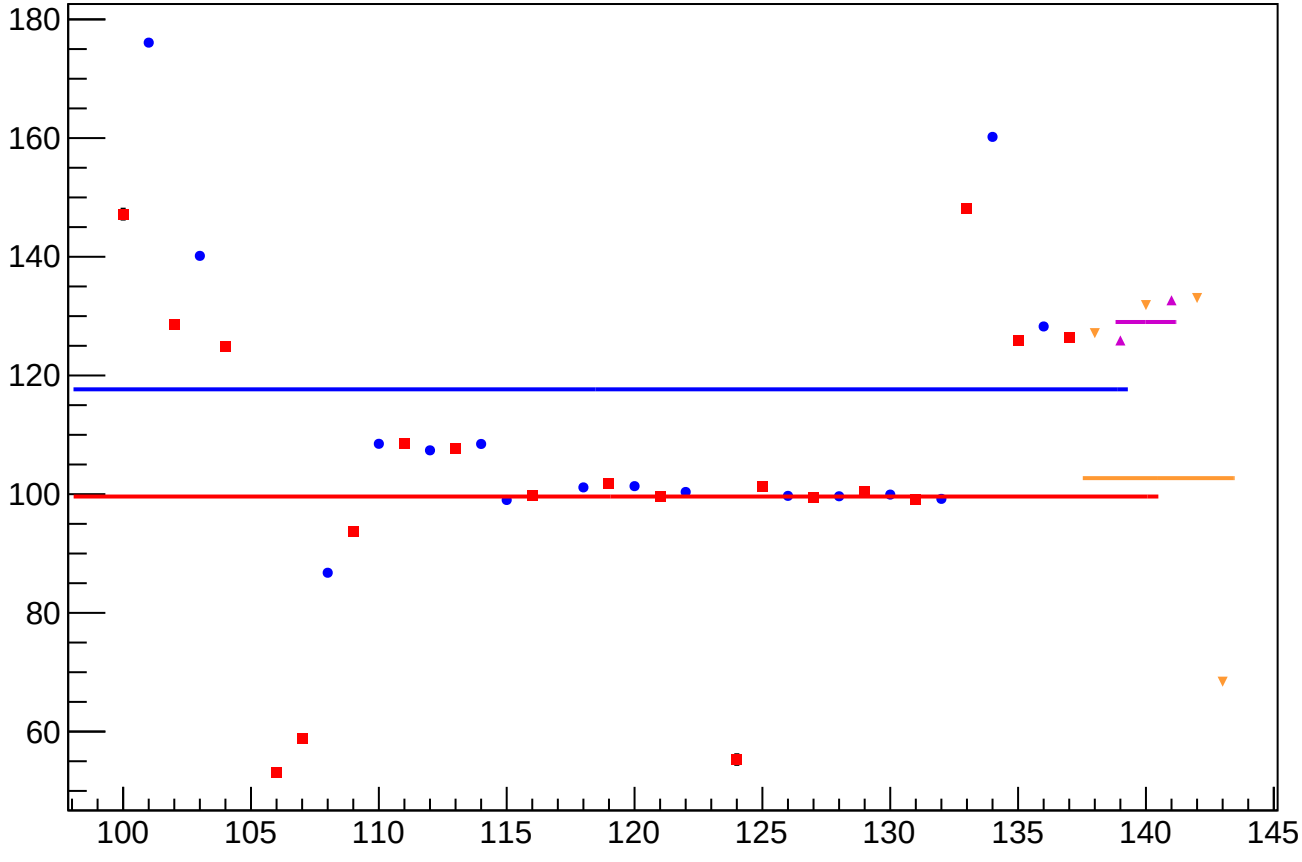
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.572+/-1.196 χ^2/NDF:433.5/17

Out: -68.558+/-1.001 χ^2/NDF:809.7/22

All: -72.274+/-0.768 χ^2/NDF: 1276.6/40

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: 102.702+/-0.081 χ^2/NDF:144069.0/3

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

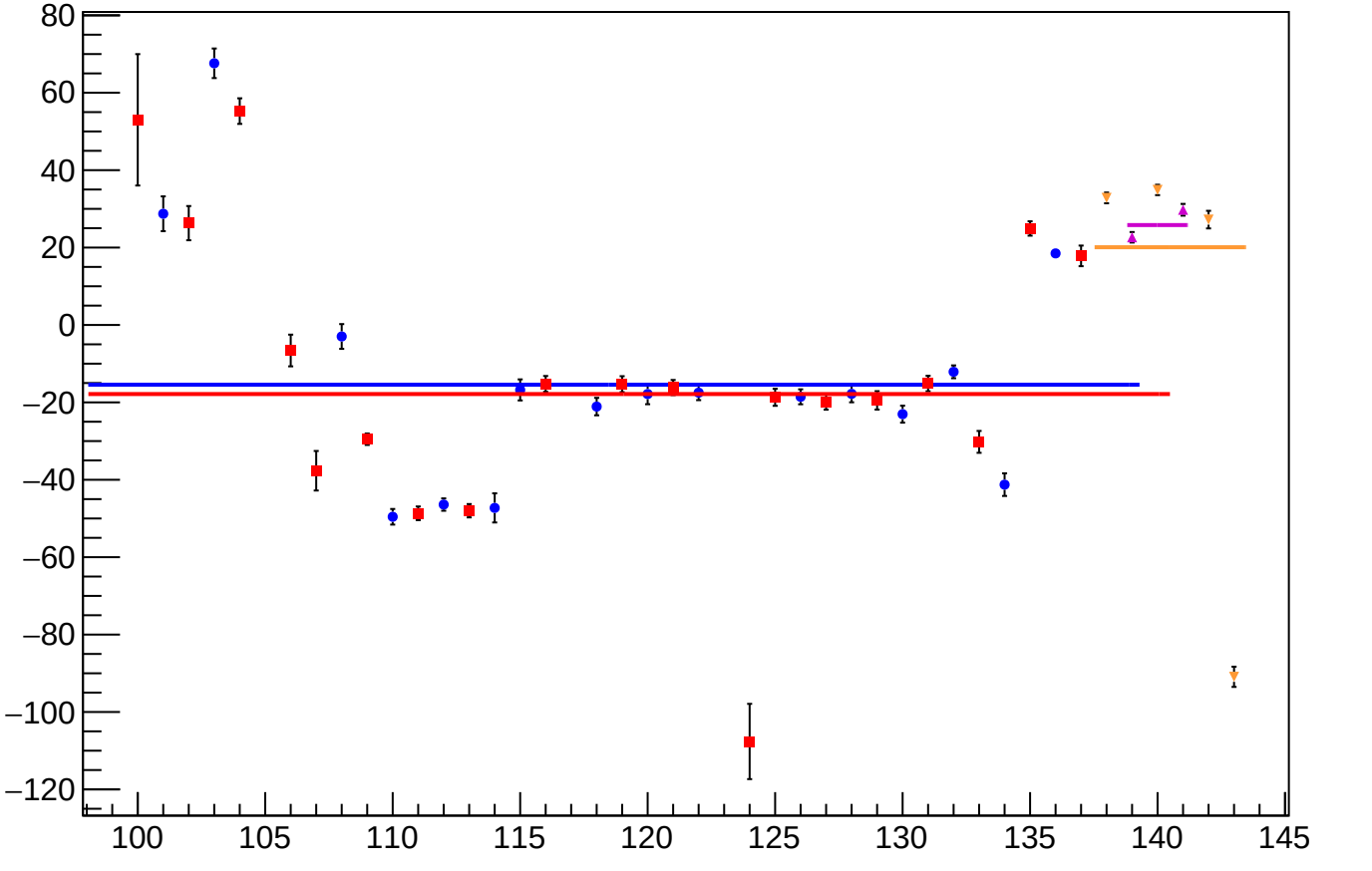
Left: 111.159+/-0.067 χ^2/NDF: 178635.1/5

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.133+/-0.065 χ^2/NDF:102638.7/17

Out: 100.932+/-0.053 χ^2/NDF:311136.9/22

All: 108.995+/-0.041 χ^2/NDF: 471435.6/40



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 20.084+/-0.840 χ^2/NDF:2021.7/3

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: 22.424+/-0.646 χ^2/NDF: 2052.9/5

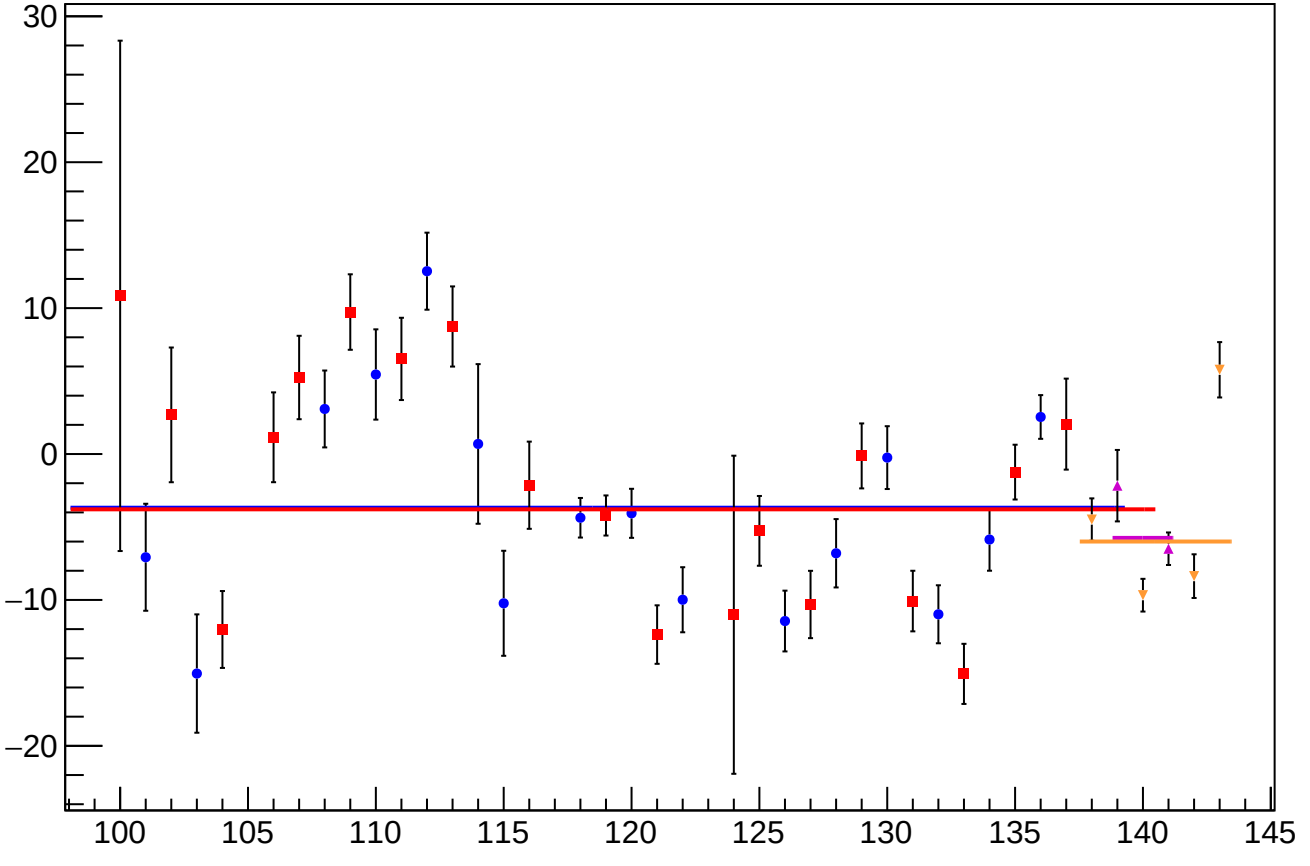
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -6.311+/-0.476 χ^2/NDF:3432.3/17

Out: -7.057+/-0.448 χ^2/NDF:5606.1/22

All: -6.706+/-0.326 χ^2/NDF: 9039.7/40

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: -5.996+/-0.708 χ^2/NDF:52.9/3

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: -5.915+/-0.581 χ^2/NDF: 55.5/5

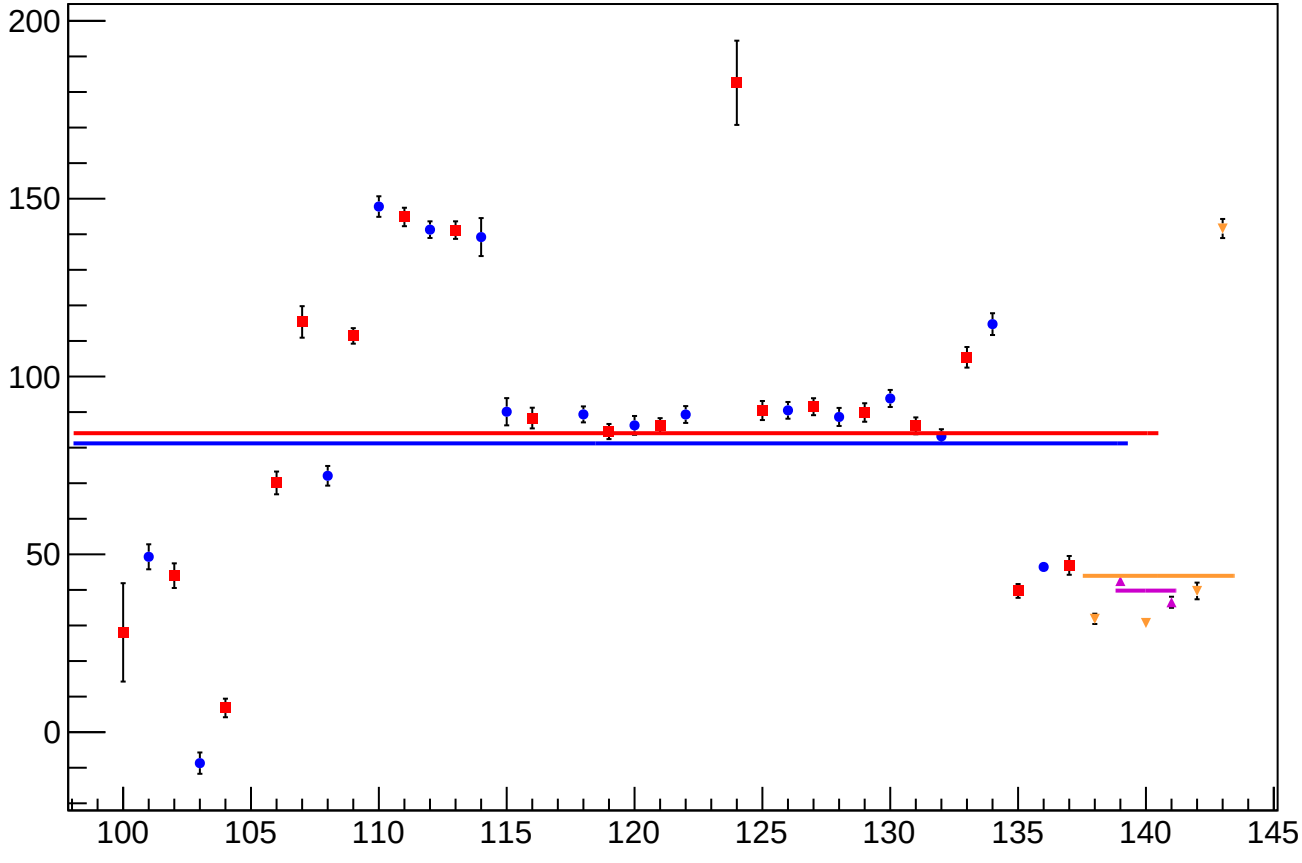
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -4.152+/-0.485 χ^2/NDF:129.8/17

Out: -4.646+/-0.441 χ^2/NDF:220.0/22

All: -4.422+/-0.326 χ^2/NDF: 350.4/40

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: 43.964+/-0.869 χ^2/NDF:1486.8/3

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.803+/-1.047 χ^2/NDF:8.1/1

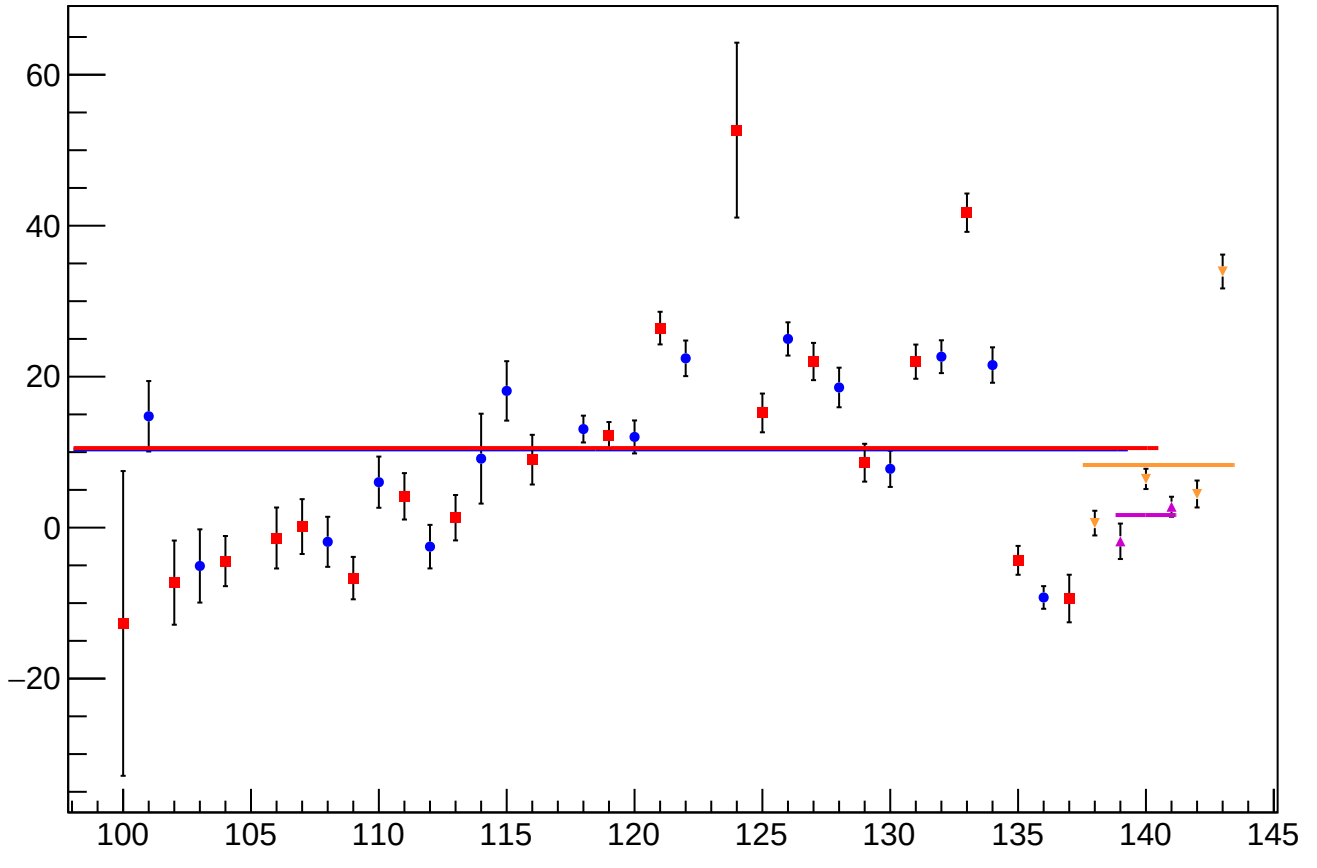
Left: 42.266+/-0.669 χ^2/NDF: 1504.2/5

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 70.780+/-0.525 χ^2/NDF:4409.5/17

Out: 70.644+/-0.503 χ^2/NDF:6110.4/22

All: 70.709+/-0.363 χ^2/NDF: 10519.9/40



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 8.296+/-0.833 χ^2/NDF:159.5/3

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.668+/-1.152 χ^2/NDF:2.9/1

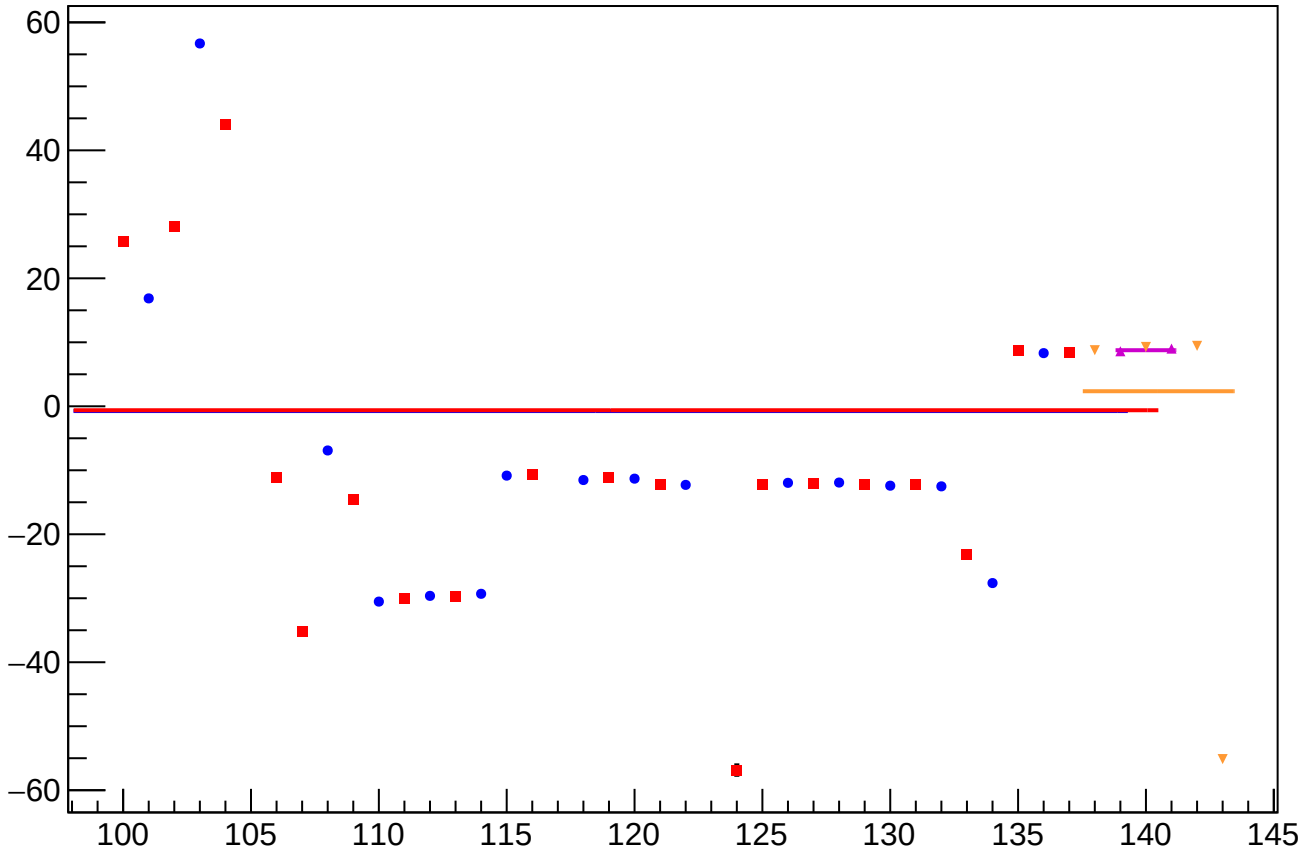
Left: 6.021+/-0.675 χ^2/NDF: 184.1/5

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 8.381+/-0.550 χ^2/NDF:406.7/17

Out: 9.706+/-0.508 χ^2/NDF:634.8/22

All: 9.097+/-0.373 χ^2/NDF: 1044.6/40



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.353+/-0.036 χ^2/NDF:295615.6/3

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.764+/-0.039 χ^2/NDF:26.2/1

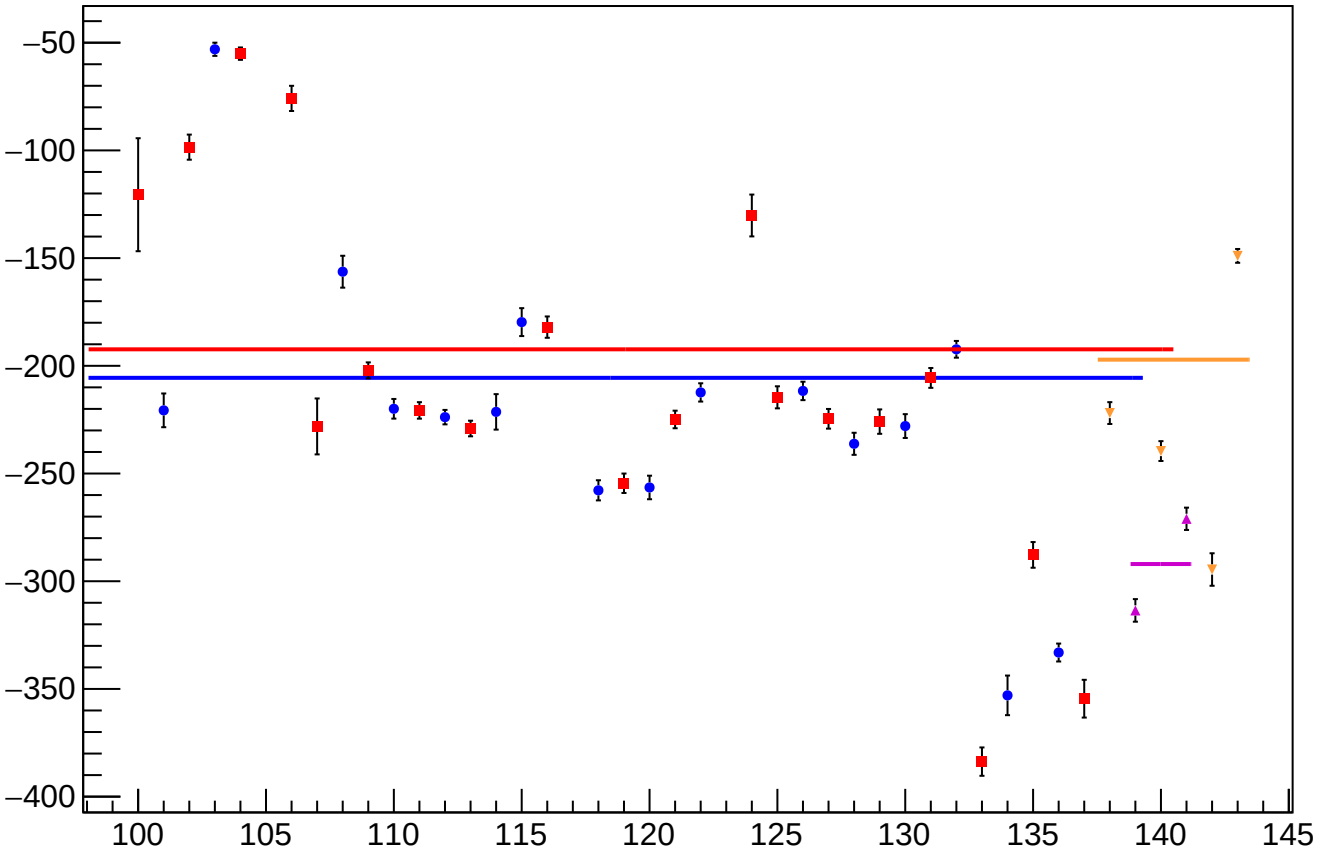
Left: 5.275+/-0.027 χ^2/NDF: 309977.7/5

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.554+/-0.027 χ^2/NDF:399775.3/17

Out: 0.916+/-0.026 χ^2/NDF:615376.9/22

All: 2.205+/-0.019 χ^2/NDF: 1020199.0/40



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -197.141+/-2.231 χ^2/NDF:501.2/3

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: -222.596+/-1.909 χ^2/NDF: 1019.7/5

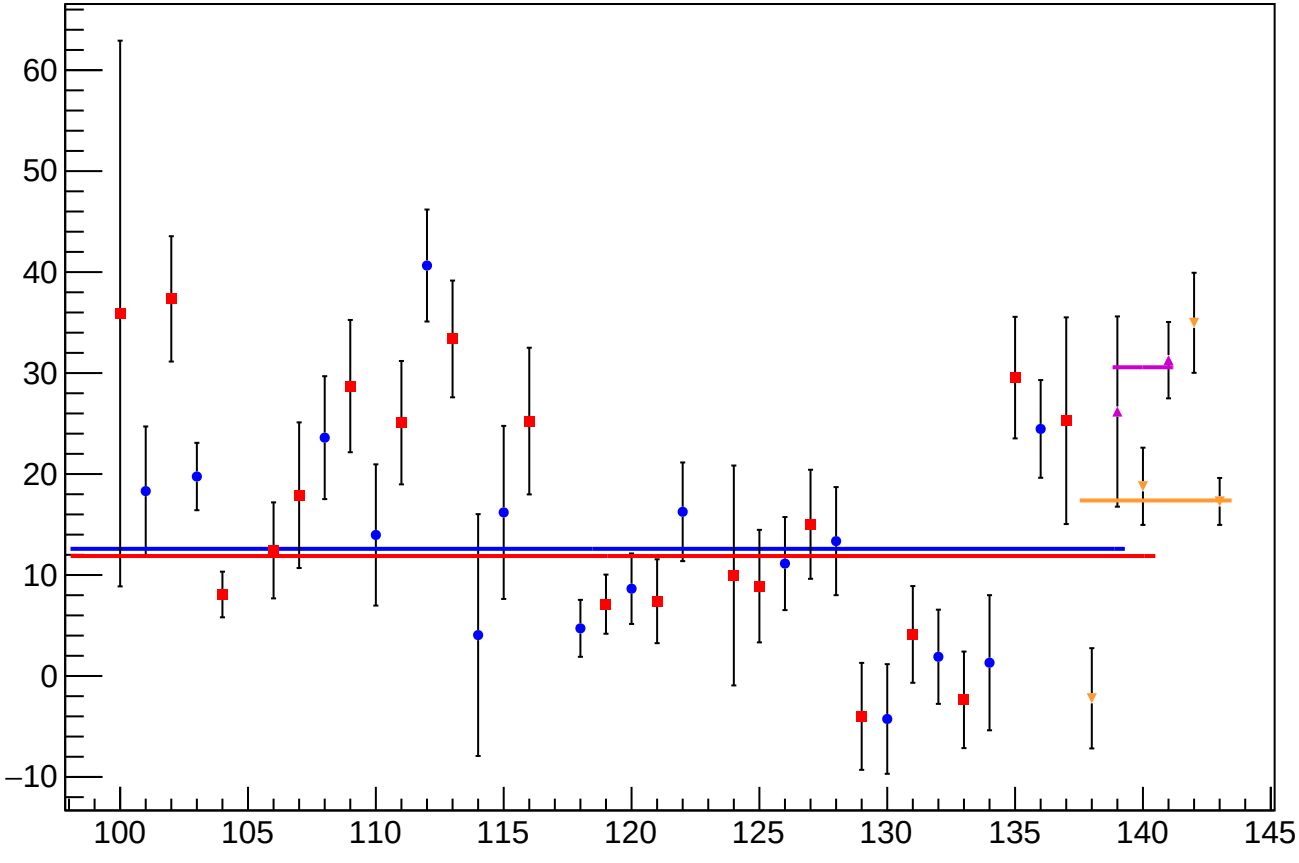
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -213.676+/-1.128 χ^2/NDF:4588.1/17

Out: -193.314+/-1.003 χ^2/NDF:5474.8/22

All: -202.304+/-0.749 χ^2/NDF: 10244.9/40

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: 17.383+/-1.729 χ^2/NDF:28.3/3

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: 19.958+/-1.551 χ^2/NDF: 39.9/5

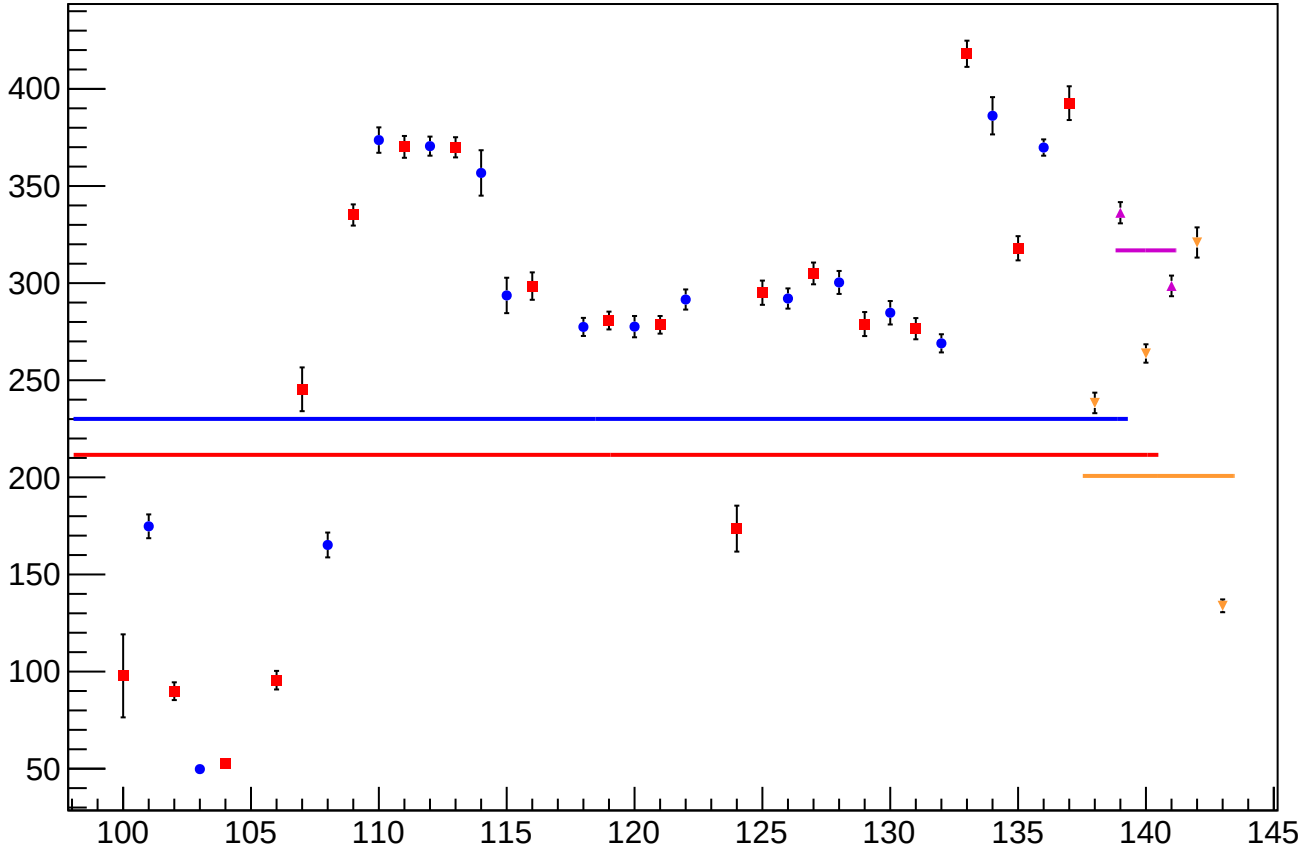
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 14.482+/-1.138 χ^2/NDF:92.2/17

Out: 13.510+/-0.941 χ^2/NDF:120.4/22

All: 13.905+/-0.725 χ^2/NDF: 213.1/40

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: 200.738+/-2.301 χ^2/NDF:877.7/3

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 316.864+/-3.810 χ^2/NDF:24.4/1

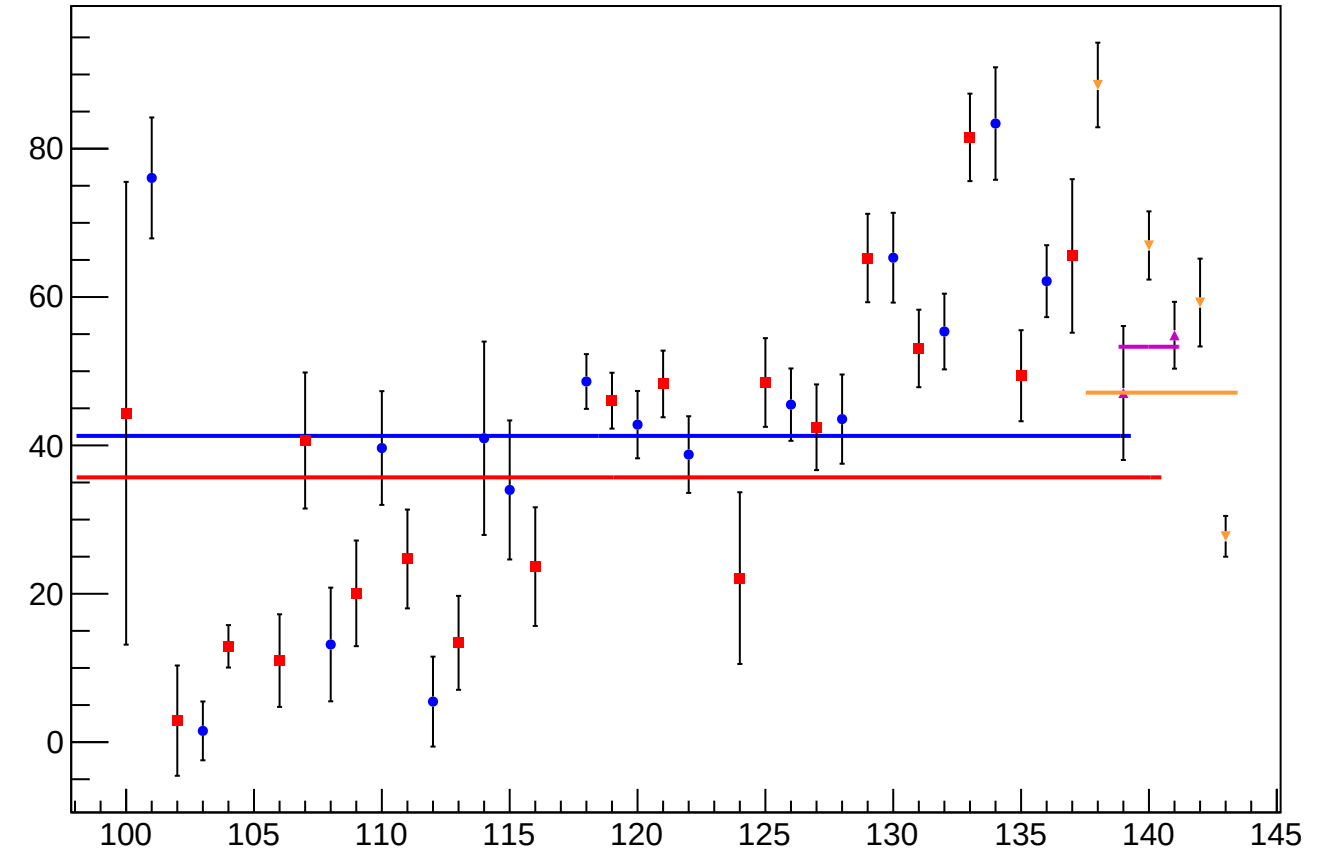
Left: 231.778+/-1.970 χ^2/NDF: 1582.8/5

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 238.645+/-1.196 χ^2/NDF:9867.6/17

Out: 209.283+/-1.061 χ^2/NDF:12367.4/22

All: 222.211+/-0.794 χ^2/NDF: 22572.4/40



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 47.112+/-2.047 χ^2/NDF:125.3/3

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 53.299+/-4.030 χ^2/NDF:0.6/1

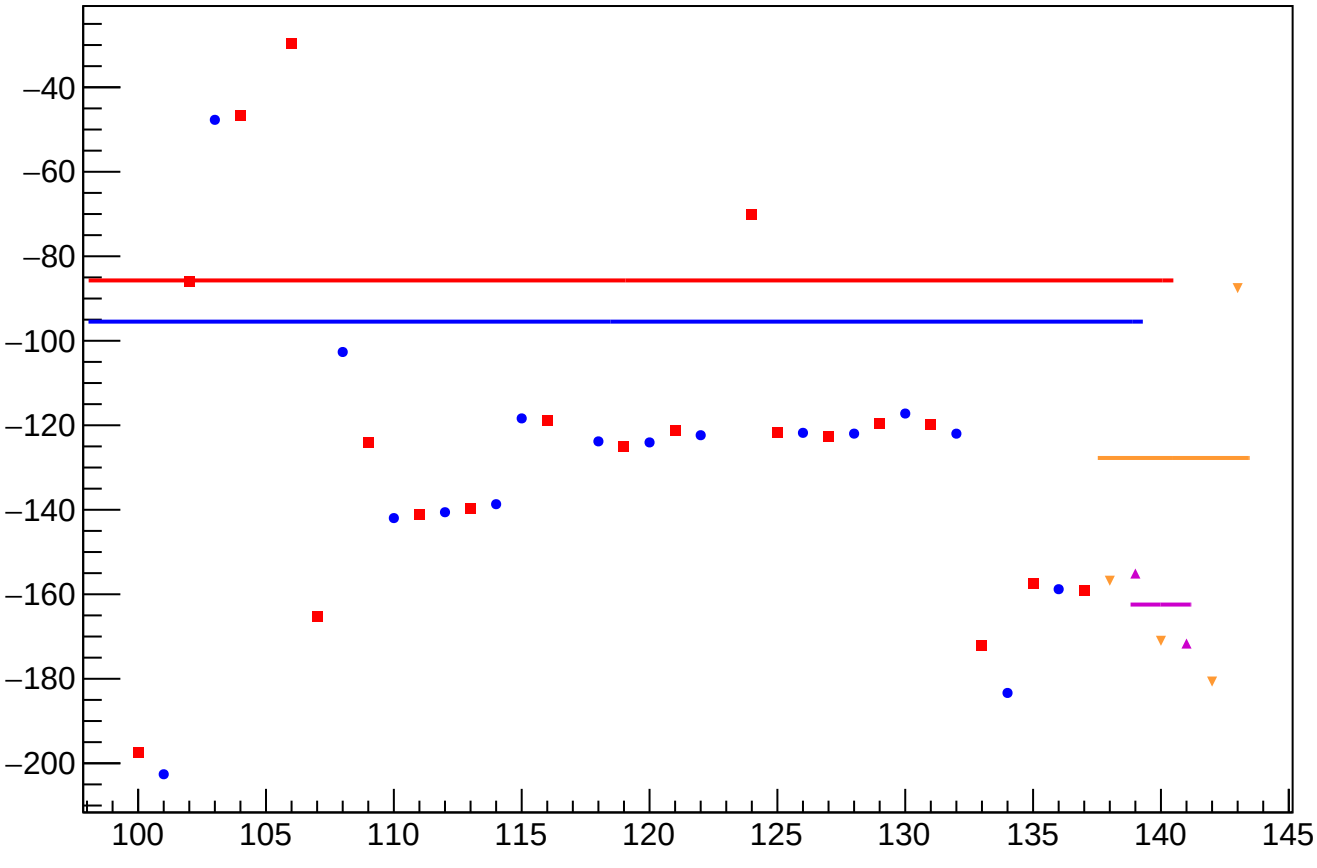
Left: 48.380+/-1.825 χ^2/NDF: 127.8/5

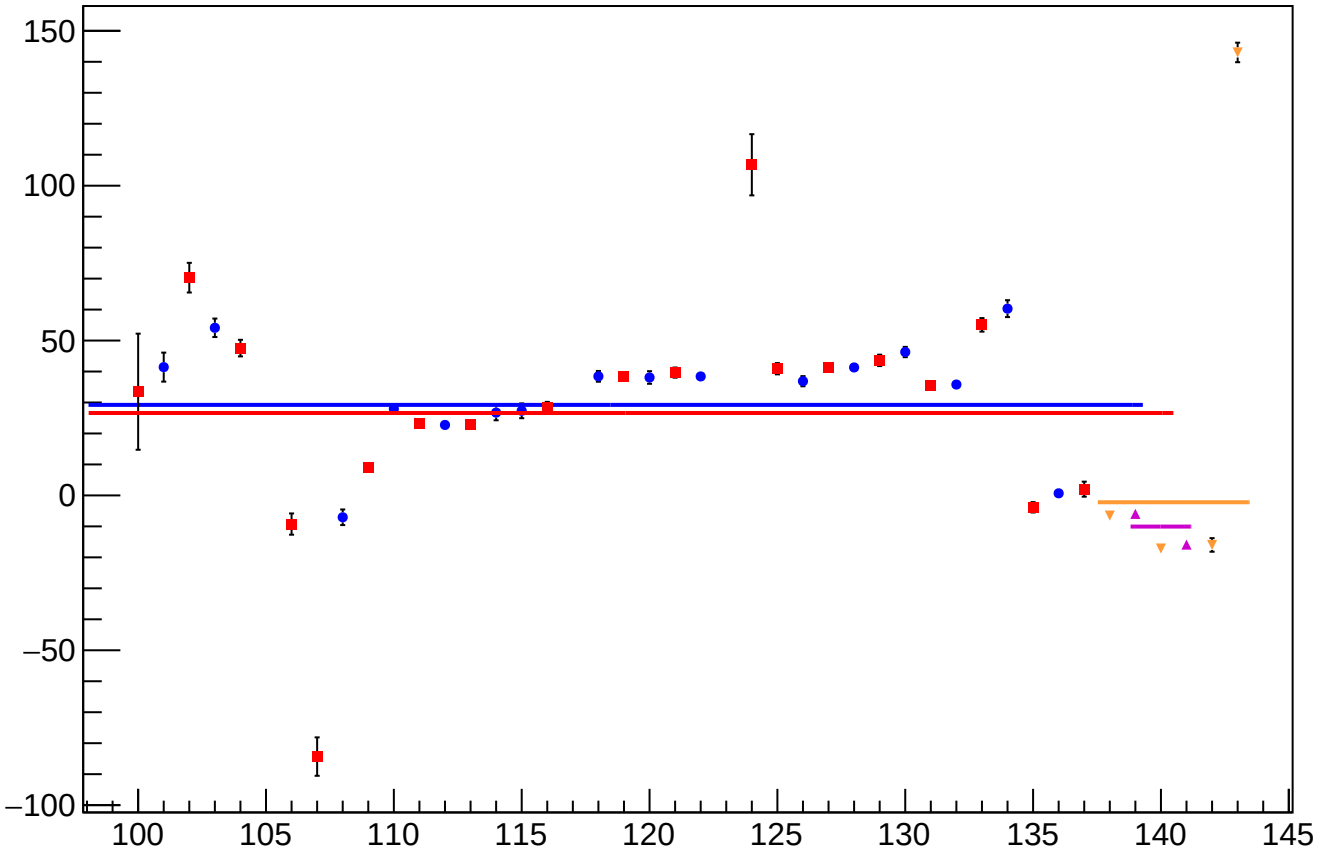
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 42.571+/-1.320 χ^2/NDF:254.3/17

Out: 39.036+/-1.107 χ^2/NDF:400.5/22

All: 40.496+/-0.849 χ^2/NDF: 659.0/40


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
105
110
115
120
125
130
135
140
145
Right In: -95.468+/-0.069 χ²/NDF: 519953.8/15
Left Out: -127.737+/-0.097 χ²/NDF:173662.3/3
Right Out: -85.716+/-0.067 χ²/NDF: 482604.9/18
Left In: -162.434+/-0.145 χ²/NDF:3211.5/1
Left: -138.371+/-0.080 χ²/NDF: 216454.1/5
Right: -90.413+/-0.048 χ²/NDF: 1012777.7/34
In: -107.931+/-0.063 χ²/NDF:696189.9/17
Out: -99.360+/-0.055 χ²/NDF:784181.7/22
All: -103.092+/-0.041 χ²/NDF: 1490936.4/40



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.211+/-0.805 χ^2/NDF:2303.5/3

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.061+/-0.939 χ^2/NDF:27.1/1

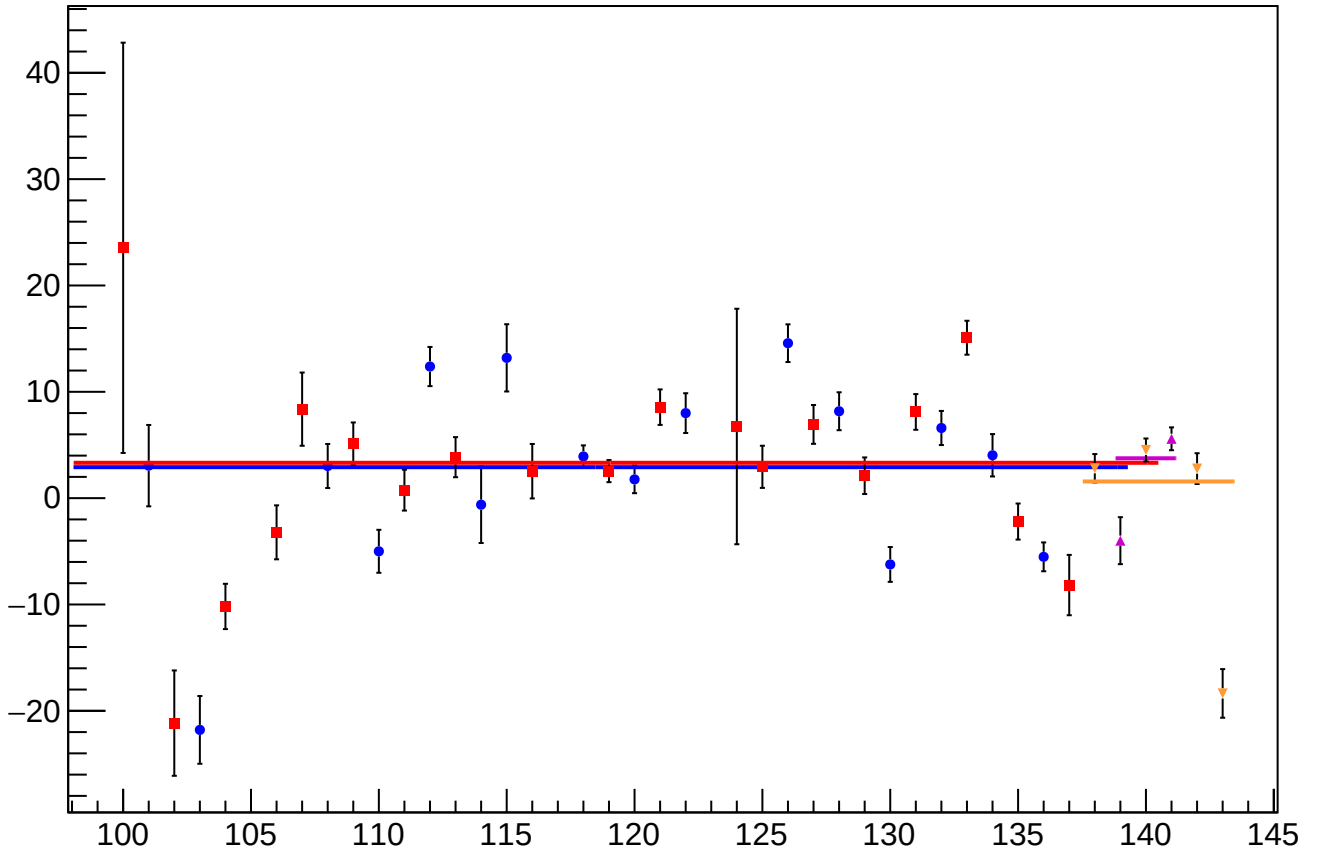
Left: -5.537+/-0.611 χ^2/NDF: 2370.9/5

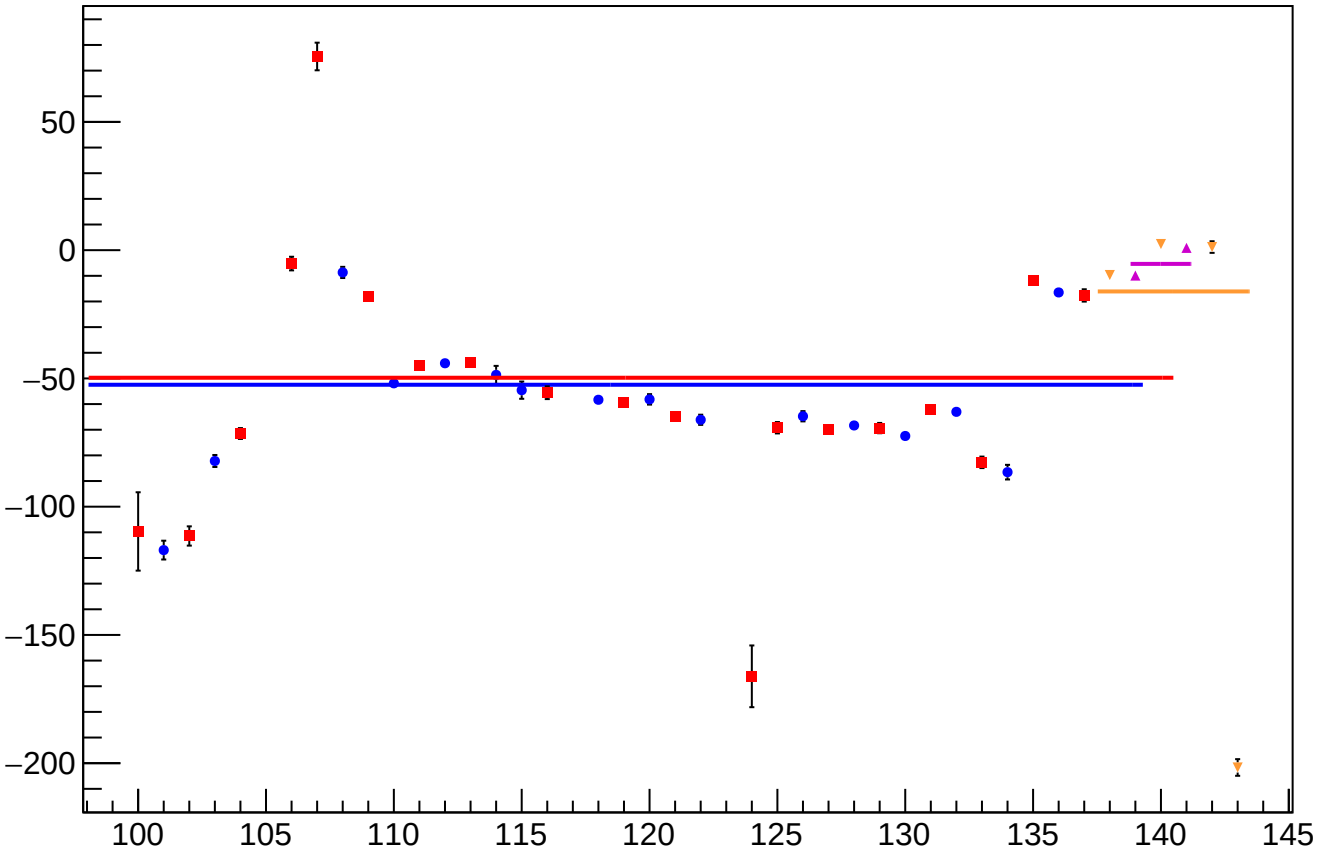
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 22.562+/-0.387 χ^2/NDF:2825.1/17

Out: 20.575+/-0.368 χ^2/NDF:5238.2/22

All: 21.520+/-0.267 χ^2/NDF: 8077.2/40


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
105
110
115
120
125
130
135
140
145
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 1.569+/-0.692 χ²/NDF:85.0/3
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 3.750+/-0.966 χ²/NDF:15.2/1
Left: 2.309+/-0.563 χ²/NDF: 103.6/5
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 3.058+/-0.402 χ²/NDF:265.8/17
Out: 2.798+/-0.379 χ²/NDF:271.3/22
All: 2.920+/-0.276 χ²/NDF: 537.3/40



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -16.092+/-0.833 χ^2/NDF:3547.4/3

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: -11.542+/-0.632 χ^2/NDF: 3648.0/5

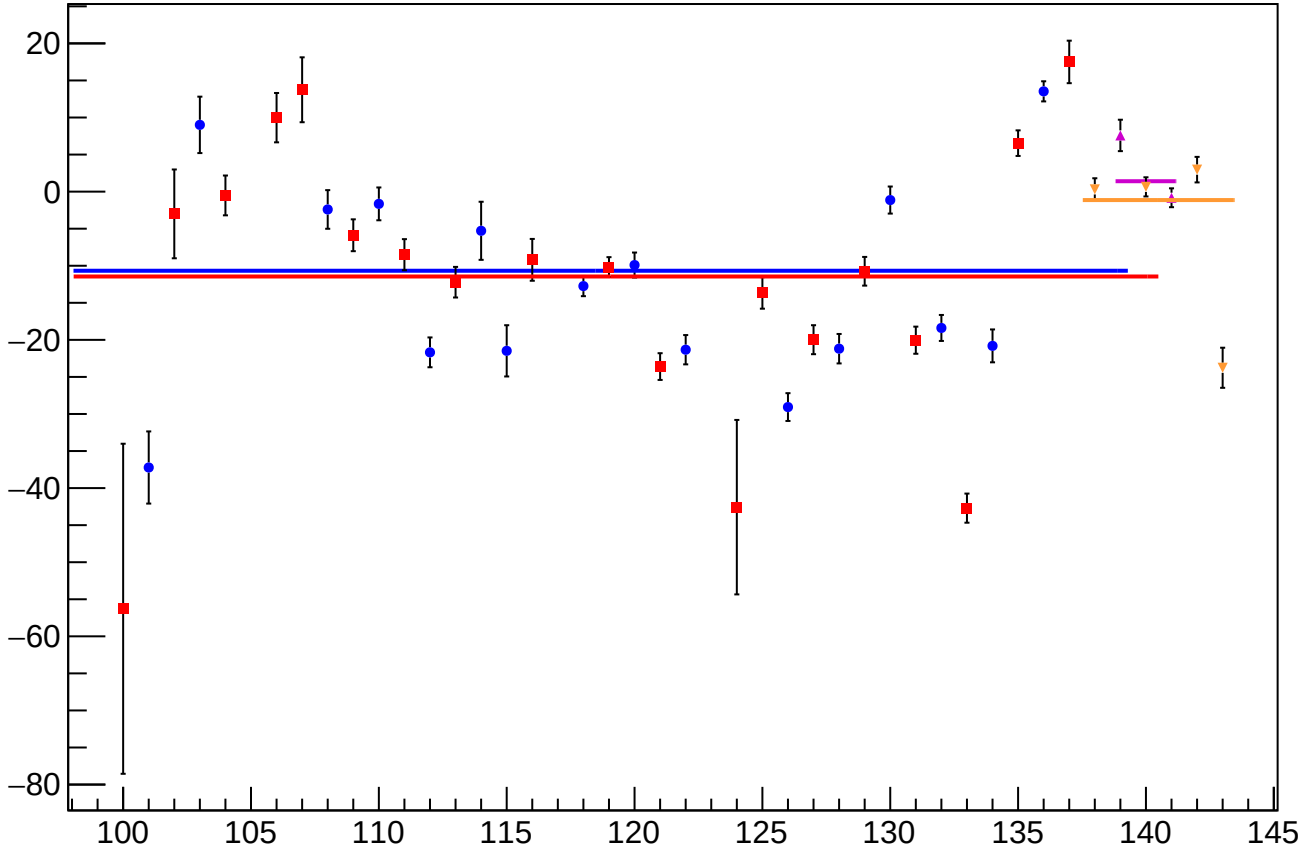
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -42.986+/-0.436 χ^2/NDF:4237.8/17

Out: -40.981+/-0.425 χ^2/NDF:7763.6/22

All: -41.958+/-0.304 χ^2/NDF: 12012.2/40

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: -1.138+/-0.812 χ^2/NDF:78.5/3

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 1.405+/-1.091 χ^2/NDF:11.6/1

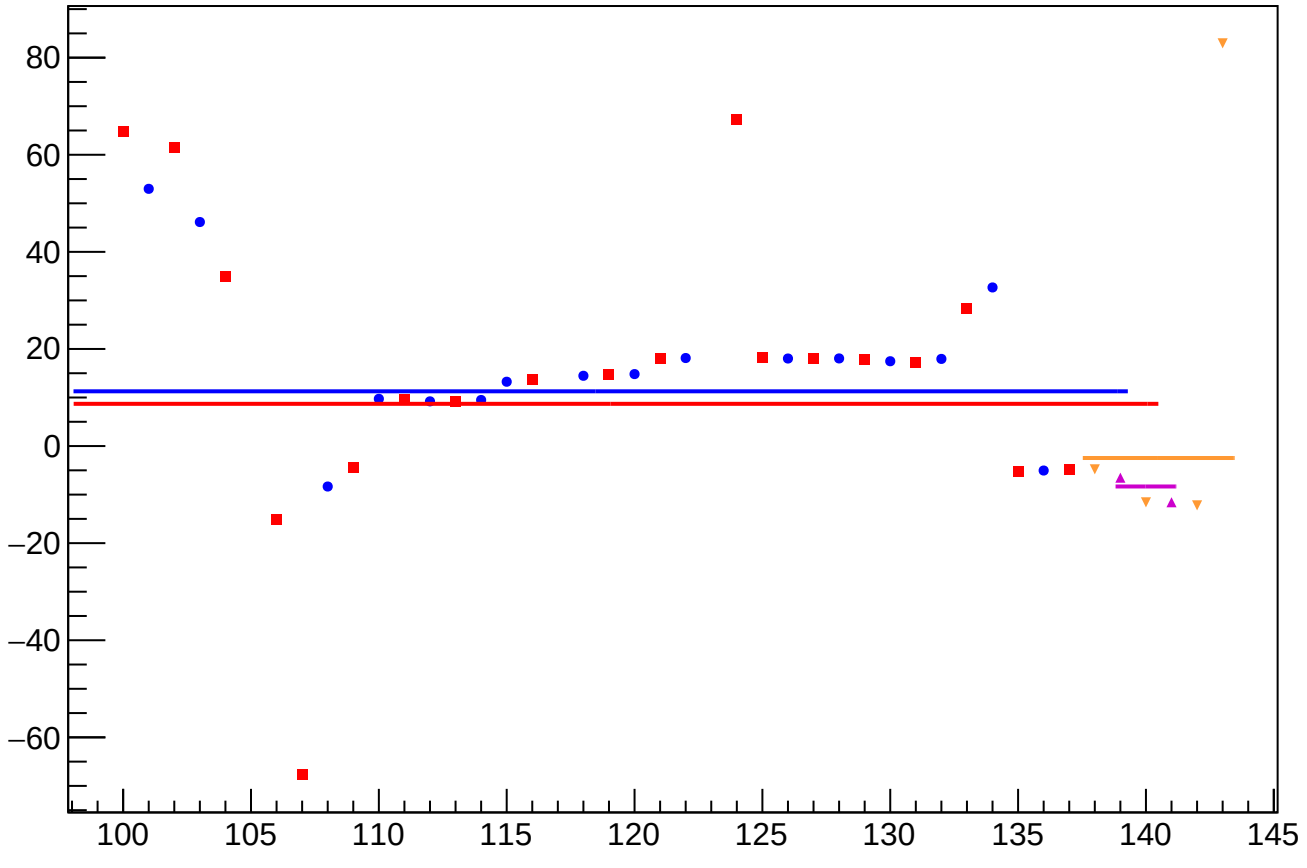
Left: -0.232+/-0.651 χ^2/NDF: 93.5/5

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -8.541+/-0.459 χ^2/NDF:778.8/17

Out: -8.482+/-0.436 χ^2/NDF:859.1/22

All: -8.510+/-0.316 χ^2/NDF: 1638.0/40



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.462+/-0.034 χ^2/NDF:436912.9/3

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.327+/-0.037 χ^2/NDF:4418.5/1

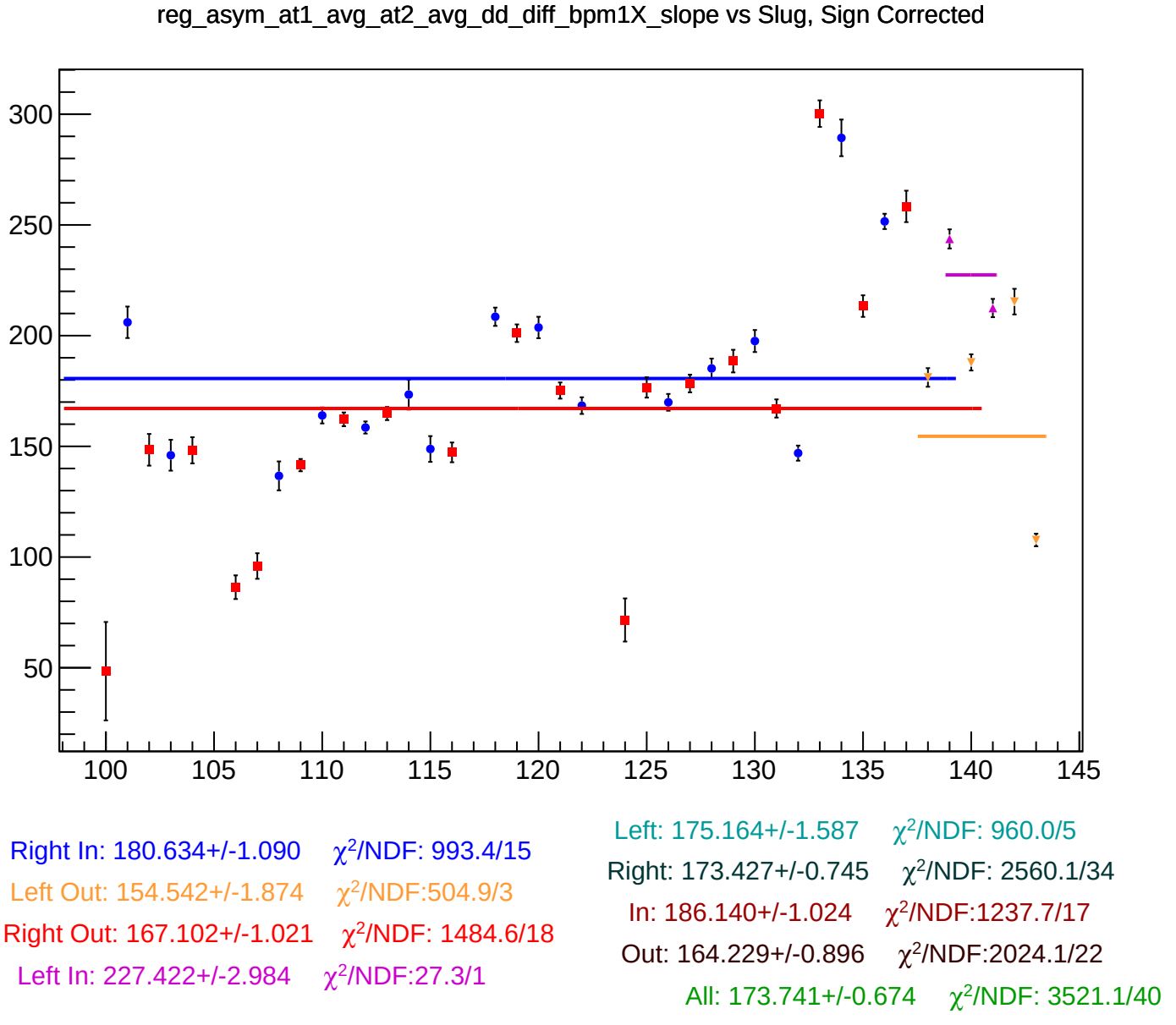
Left: -5.229+/-0.025 χ^2/NDF: 454969.5/5

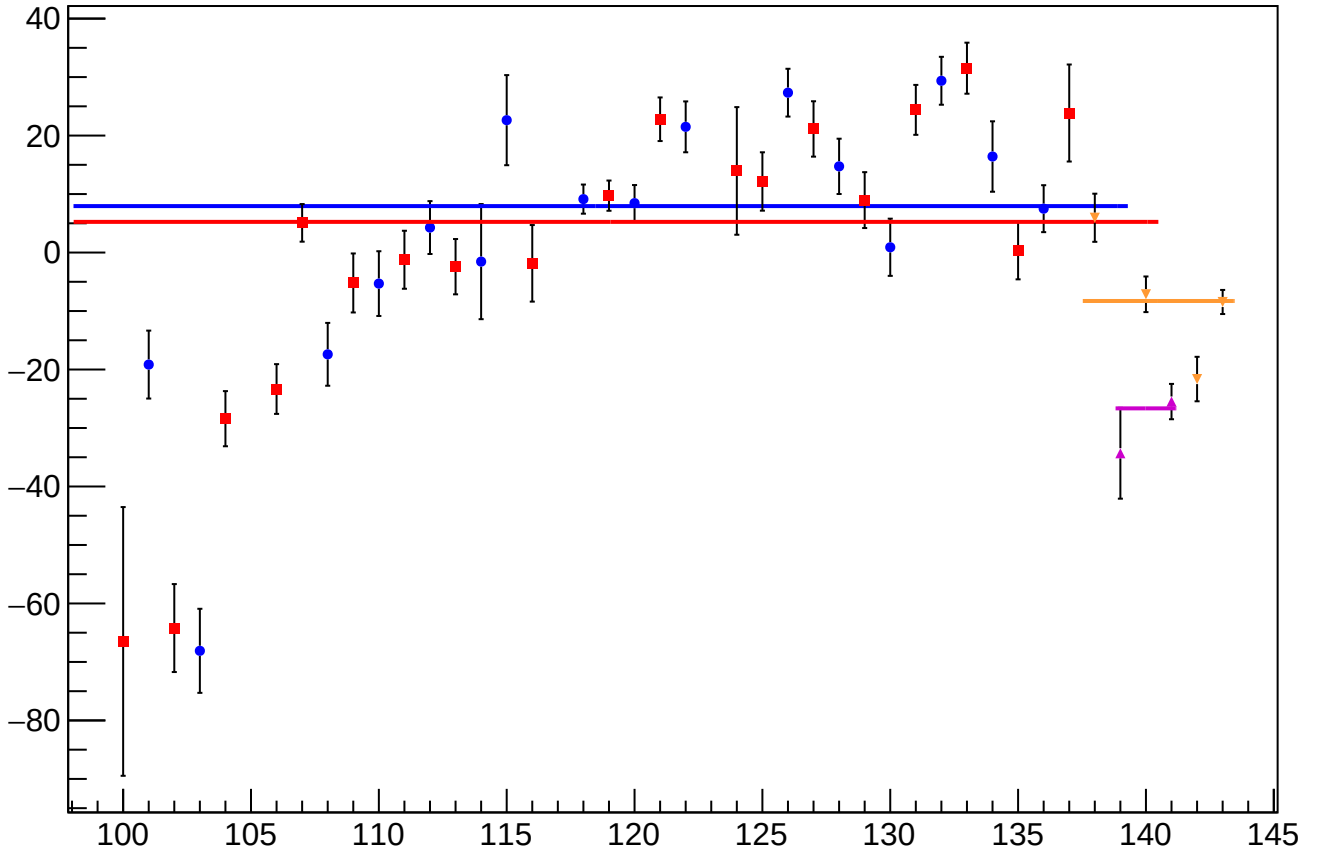
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 3.398+/-0.023 χ^2/NDF:526269.1/17

Out: 3.638+/-0.023 χ^2/NDF:930261.2/22

All: 3.518+/-0.016 χ^2/NDF: 1456583.7/40


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
105
110
115
120
125
130
135
140
145
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 154.542+/-1.874 χ²/NDF:504.9/3
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 227.422+/-2.984 χ²/NDF:27.3/1
Left: 175.164+/-1.587 χ²/NDF: 960.0/5
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 186.140+/-1.024 χ²/NDF:1237.7/17
Out: 164.229+/-0.896 χ²/NDF:2024.1/22
All: 173.741+/-0.674 χ²/NDF: 3521.1/40



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

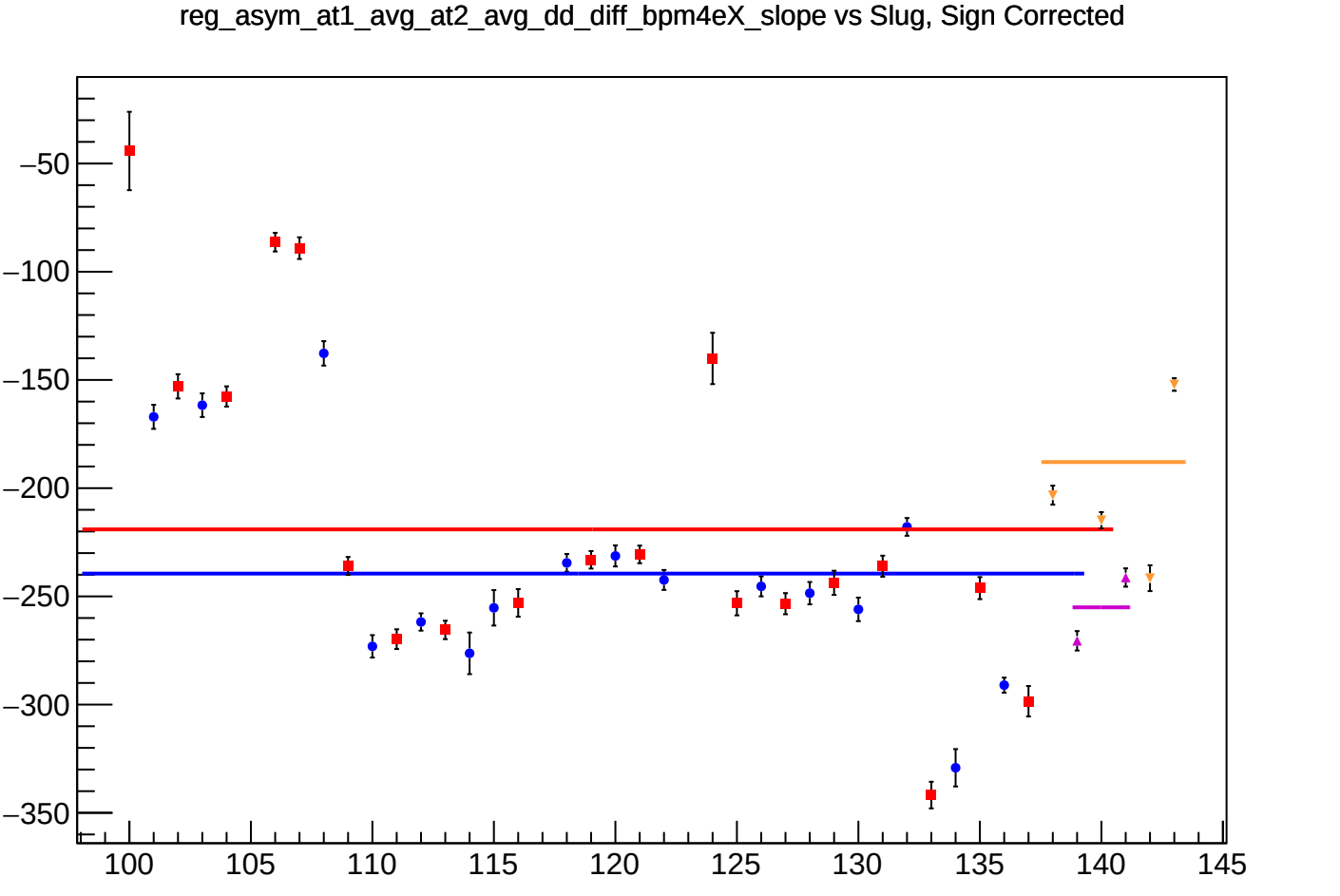
Left: -12.157+/-1.293 χ^2/NDF: 59.1/5

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.267+/-1.035 χ^2/NDF:364.5/17

Out: 0.547+/-0.858 χ^2/NDF:383.7/22

All: 1.655+/-0.661 χ^2/NDF: 752.3/40



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -187.932+/-1.934 χ^2/NDF:294.1/3

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: -206.873+/-1.638 χ^2/NDF: 656.6/5

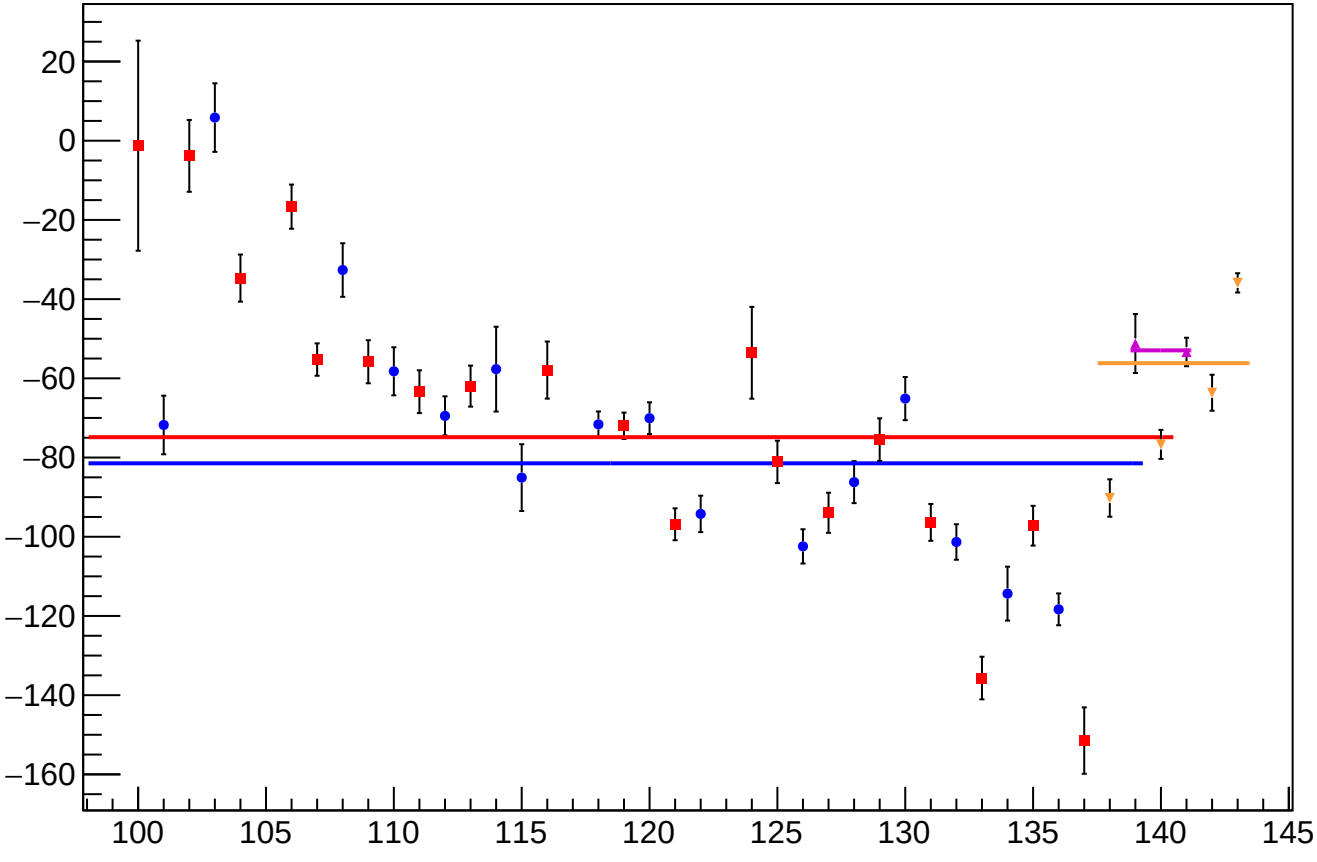
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.655+/-1.155 χ^2/NDF:1206.6/17

Out: -210.646+/-1.005 χ^2/NDF:3532.5/22

All: -224.009+/-0.758 χ^2/NDF: 5149.4/40

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: -56.172+/-1.724 χ^2/NDF:155.2/3

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: -55.458+/-1.522 χ^2/NDF: 156.1/5

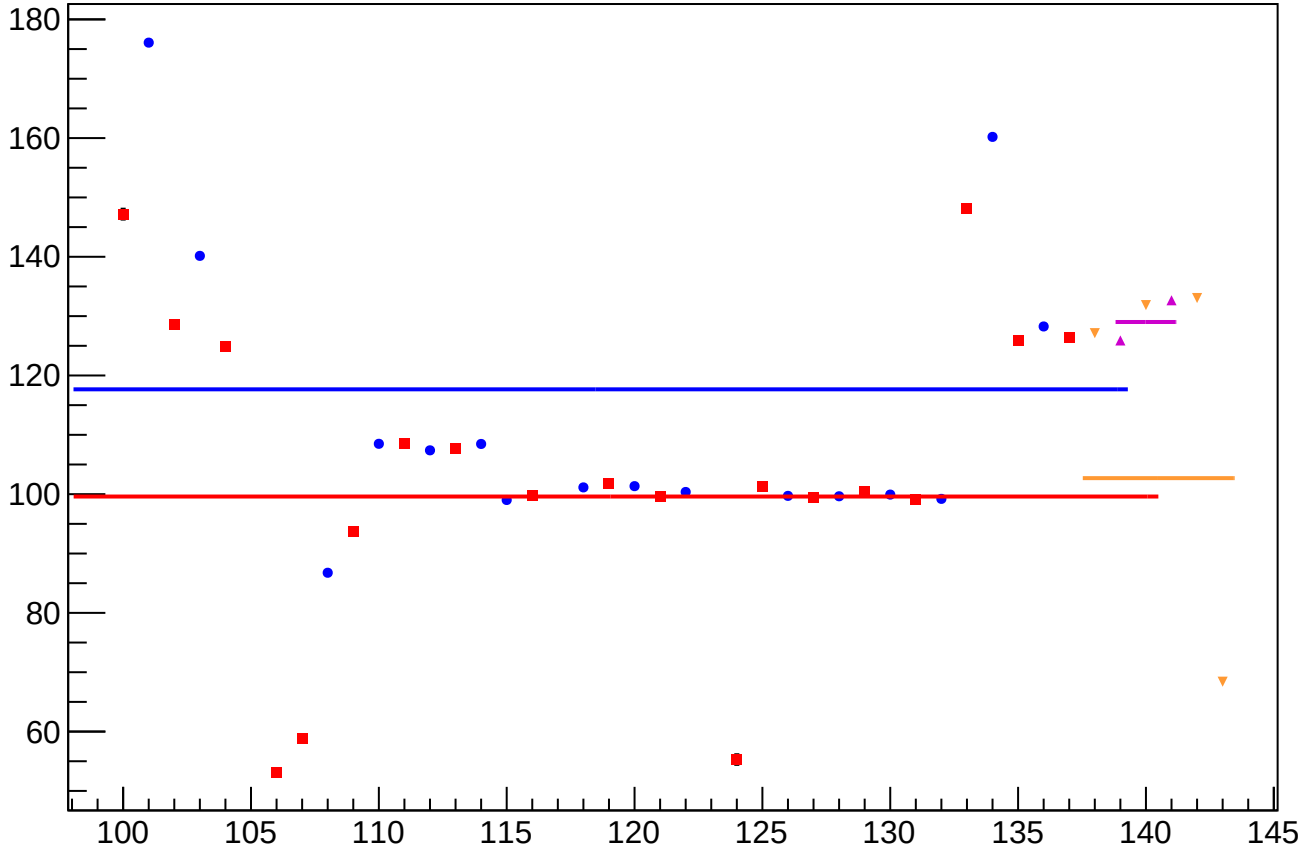
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.572+/-1.196 χ^2/NDF:433.5/17

Out: -68.558+/-1.001 χ^2/NDF:809.7/22

All: -72.274+/-0.768 χ^2/NDF: 1276.6/40

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: 102.702+/-0.081 χ^2/NDF:144069.0/3

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: 111.159+/-0.067 χ^2/NDF: 178635.1/5

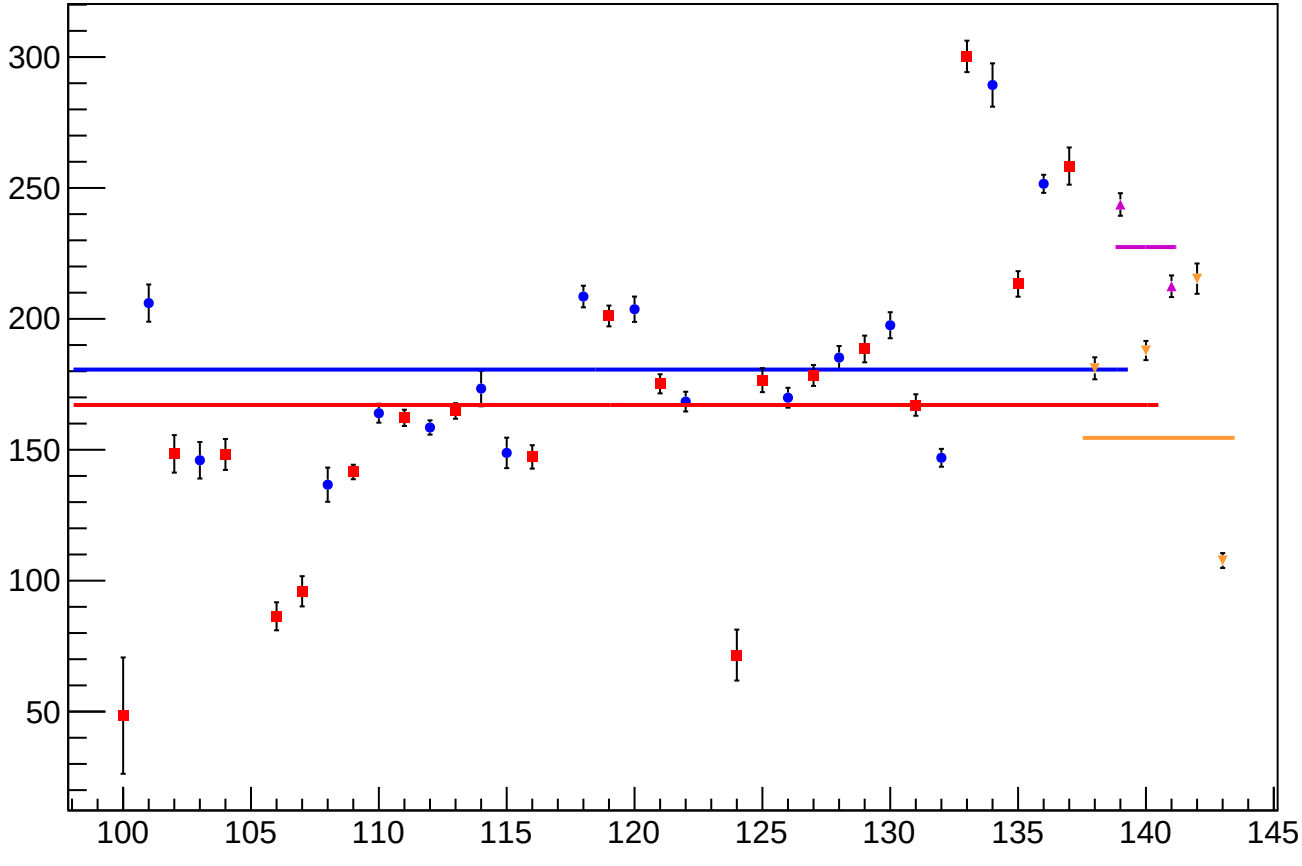
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.133+/-0.065 χ^2/NDF:102638.7/17

Out: 100.932+/-0.053 χ^2/NDF:311136.9/22

All: 108.995+/-0.041 χ^2/NDF: 471435.6/40

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: 154.542+/-1.874 χ^2/NDF:504.9/3

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: 175.164+/-1.587 χ^2/NDF: 960.0/5

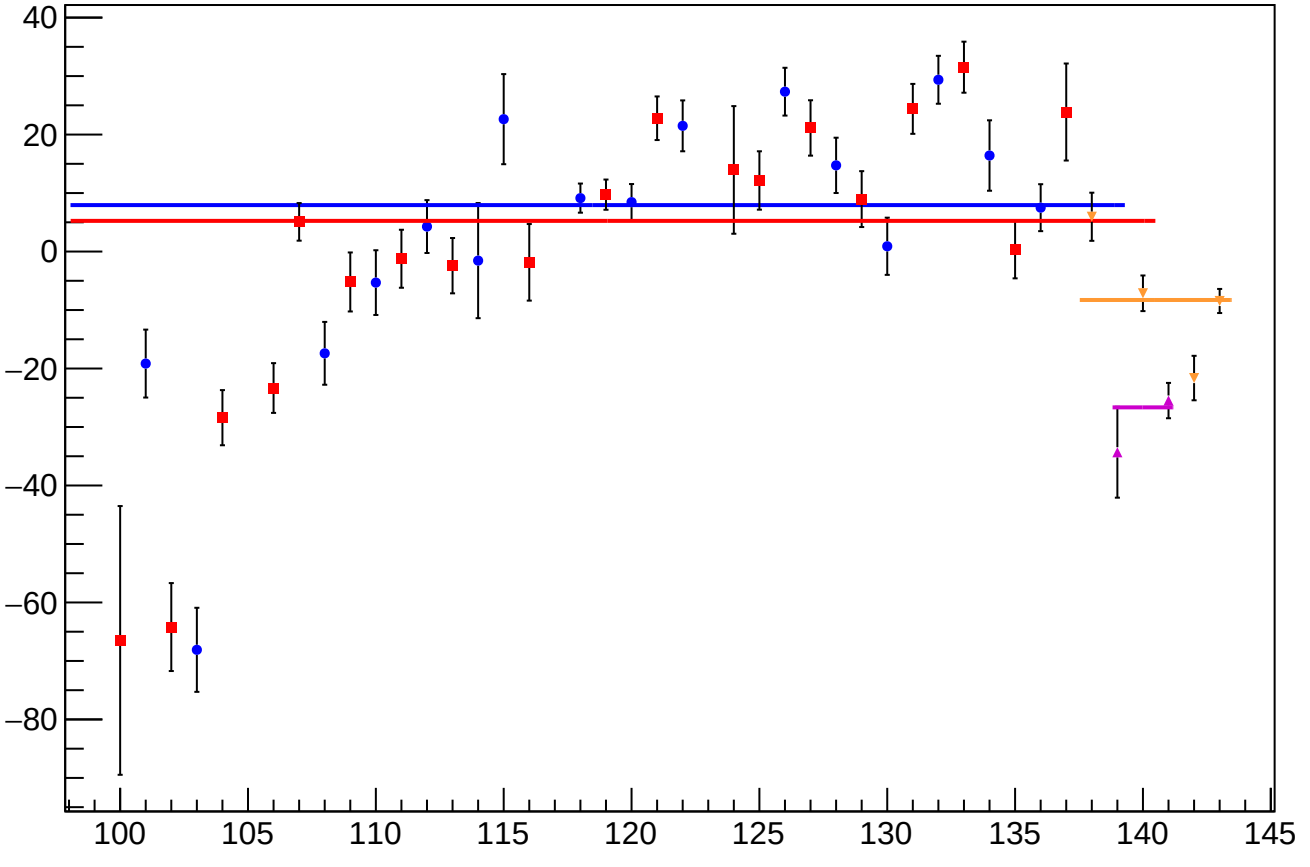
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 186.140+/-1.024 χ^2/NDF:1237.7/17

Out: 164.229+/-0.896 χ^2/NDF:2024.1/22

All: 173.741+/-0.674 χ^2/NDF: 3521.1/40

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -8.282+/-1.456 χ^2/NDF:24.4/3

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -26.643+/-2.816 χ^2/NDF:1.1/1

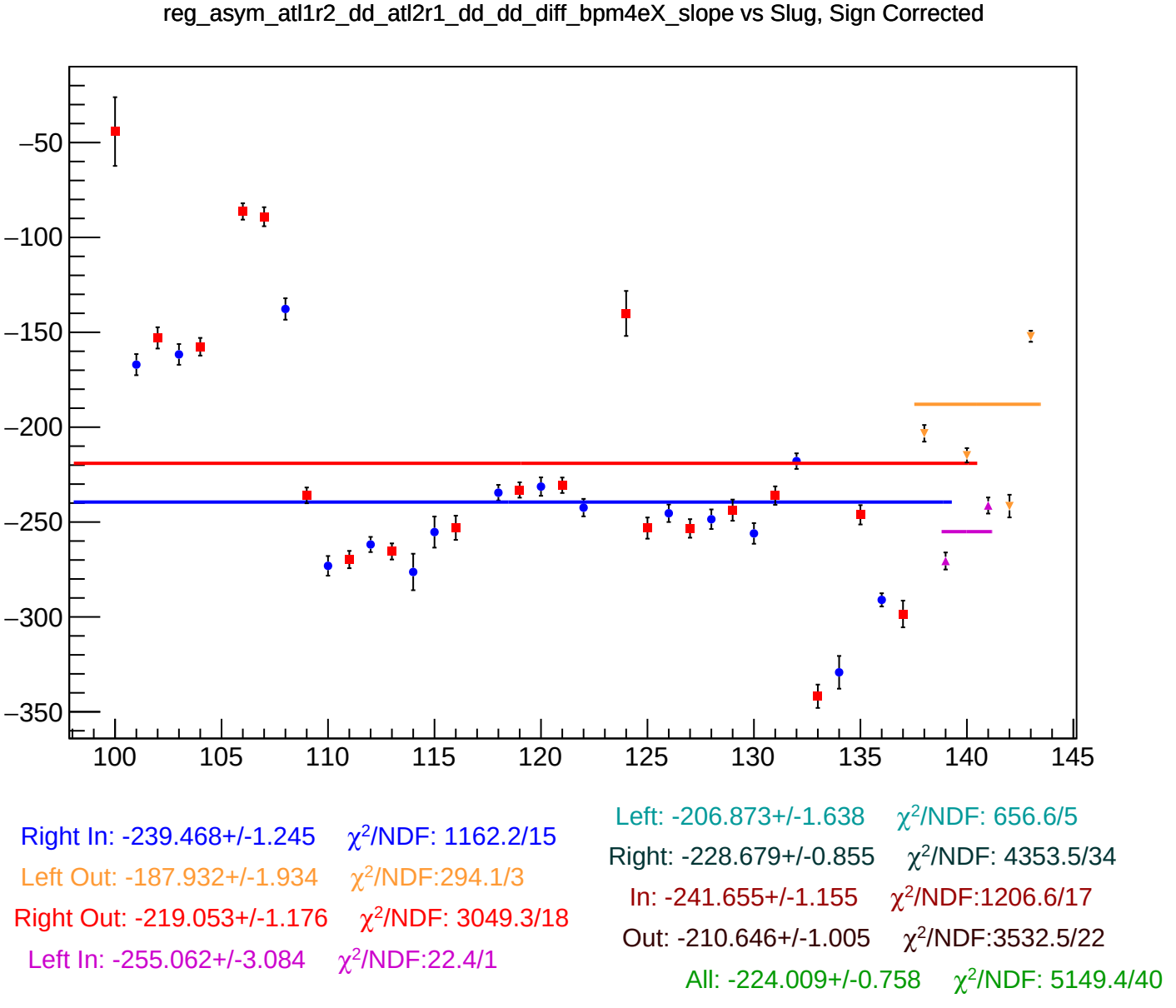
Left: -12.157+/-1.293 χ^2/NDF: 59.1/5

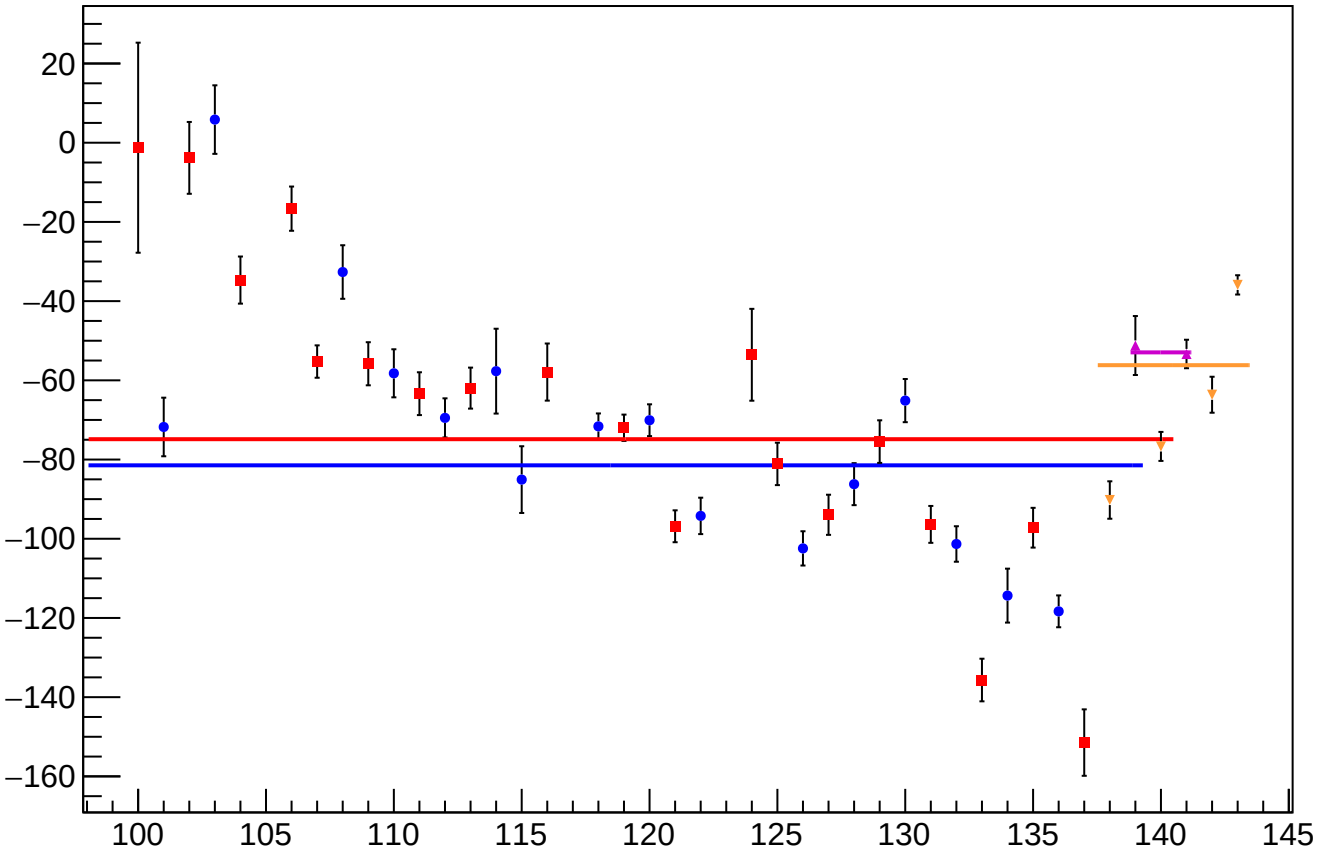
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.267+/-1.035 χ^2/NDF:364.5/17

Out: 0.547+/-0.858 χ^2/NDF:383.7/22

All: 1.655+/-0.661 χ^2/NDF: 752.3/40


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
105
110
115
120
125
130
135
140
145
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -187.932+/-1.934 χ²/NDF:294.1/3
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -255.062+/-3.084 χ²/NDF:22.4/1
Left: -206.873+/-1.638 χ²/NDF: 656.6/5
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -241.655+/-1.155 χ²/NDF:1206.6/17
Out: -210.646+/-1.005 χ²/NDF:3532.5/22
All: -224.009+/-0.758 χ²/NDF: 5149.4/40



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.172+/-1.724 χ^2/NDF:155.2/3

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -52.941+/-3.238 χ^2/NDF:0.1/1

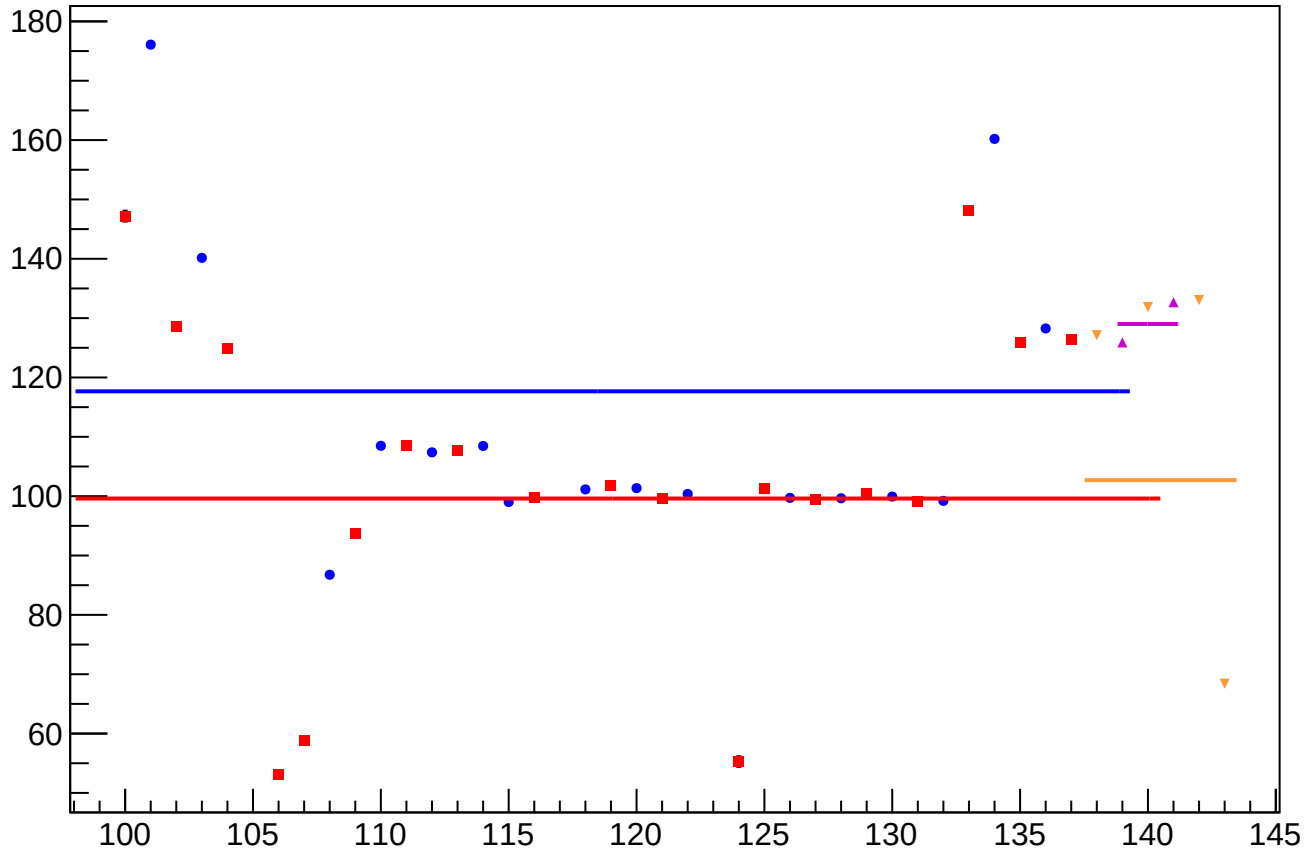
Left: -55.458+/-1.522 χ^2/NDF: 156.1/5

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.572+/-1.196 χ^2/NDF:433.5/17

Out: -68.558+/-1.001 χ^2/NDF:809.7/22

All: -72.274+/-0.768 χ^2/NDF: 1276.6/40



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 102.702+/-0.081 χ^2/NDF:144069.0/3

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.012+/-0.118 χ^2/NDF:818.0/1

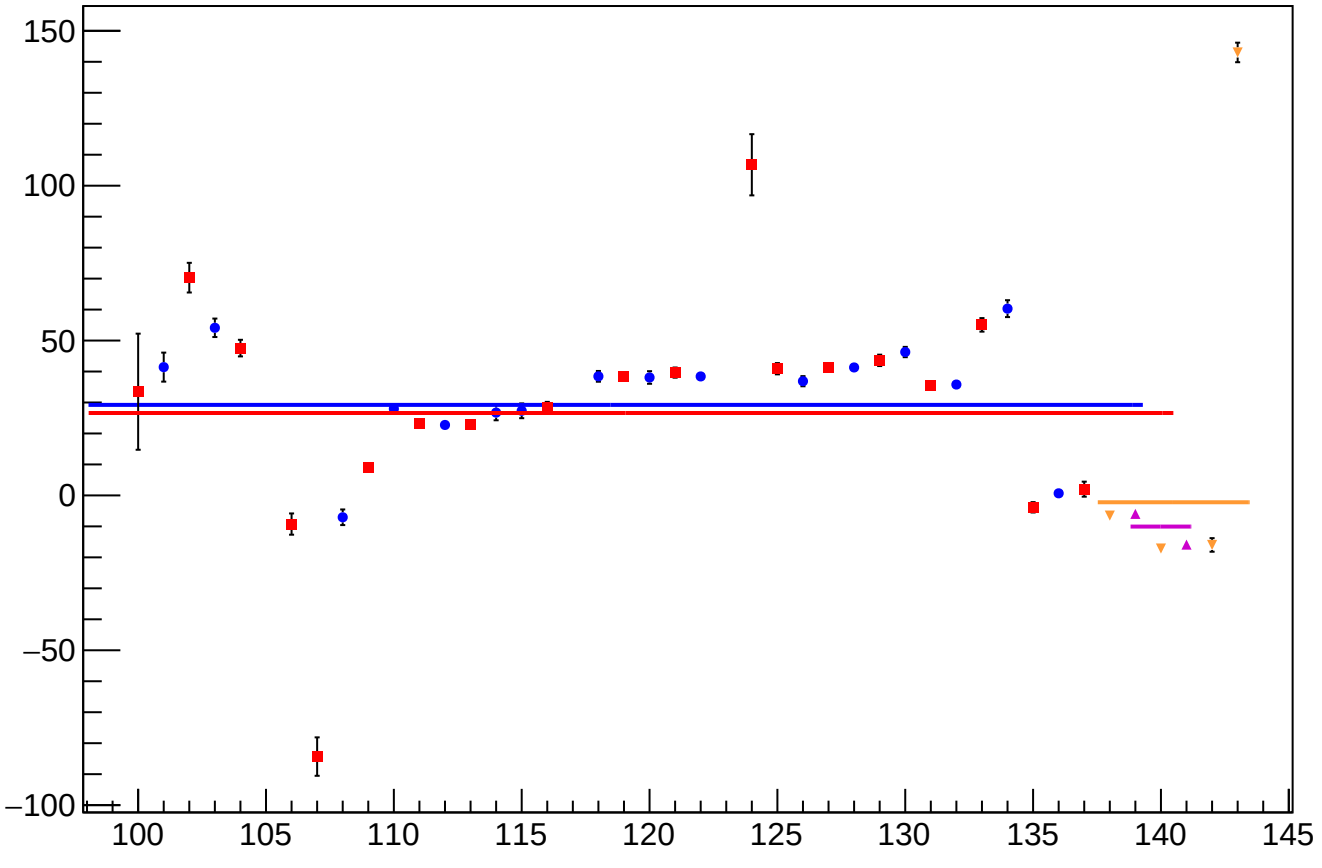
Left: 111.159+/-0.067 χ^2/NDF: 178635.1/5

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.133+/-0.065 χ^2/NDF:102638.7/17

Out: 100.932+/-0.053 χ^2/NDF:311136.9/22

All: 108.995+/-0.041 χ^2/NDF: 471435.6/40



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -2.211+/-0.805 χ^2/NDF:2303.5/3

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.061+/-0.939 χ^2/NDF:27.1/1

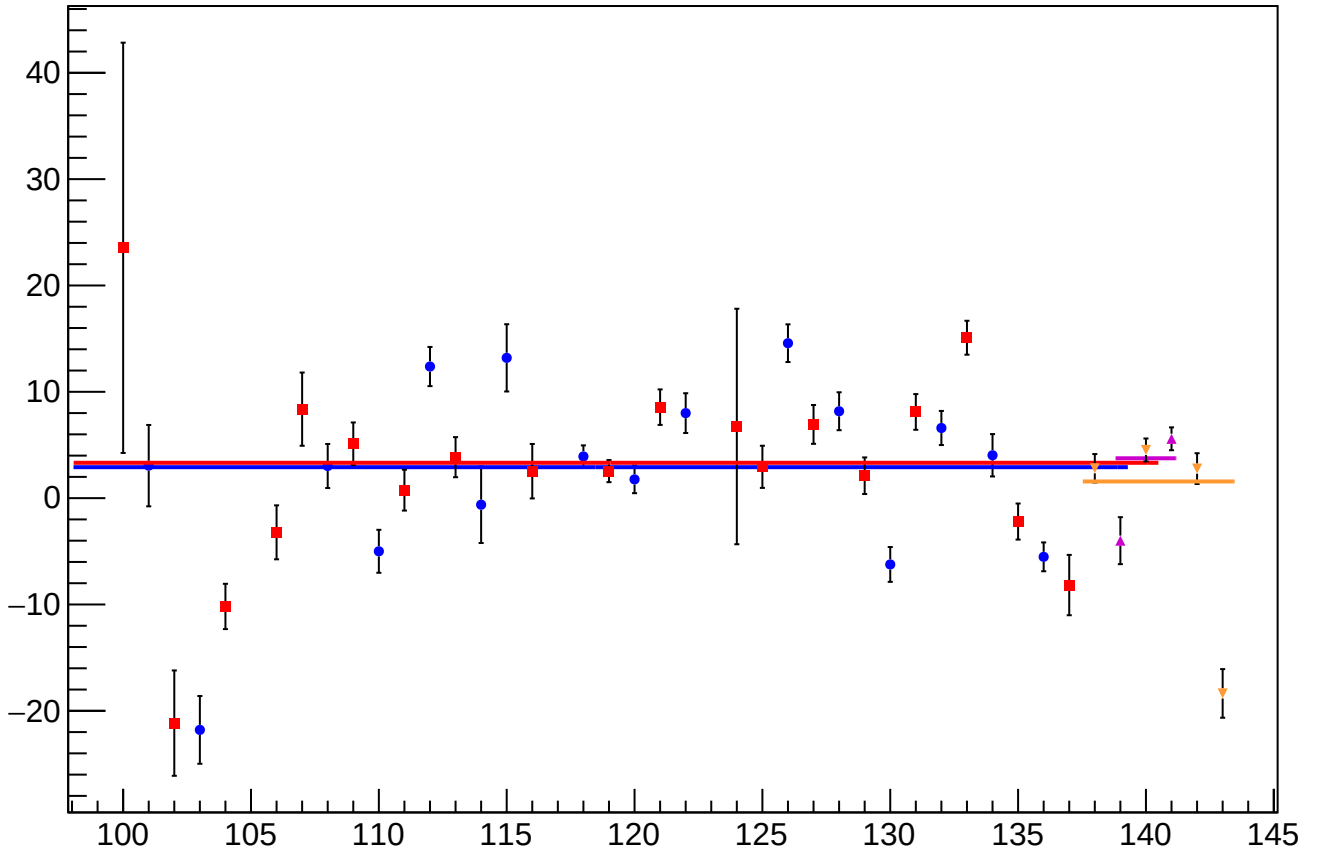
Left: -5.537+/-0.611 χ^2/NDF: 2370.9/5

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 22.562+/-0.387 χ^2/NDF:2825.1/17

Out: 20.575+/-0.368 χ^2/NDF:5238.2/22

All: 21.520+/-0.267 χ^2/NDF: 8077.2/40



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.569+/-0.692 χ^2/NDF:85.0/3

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 3.750+/-0.966 χ^2/NDF:15.2/1

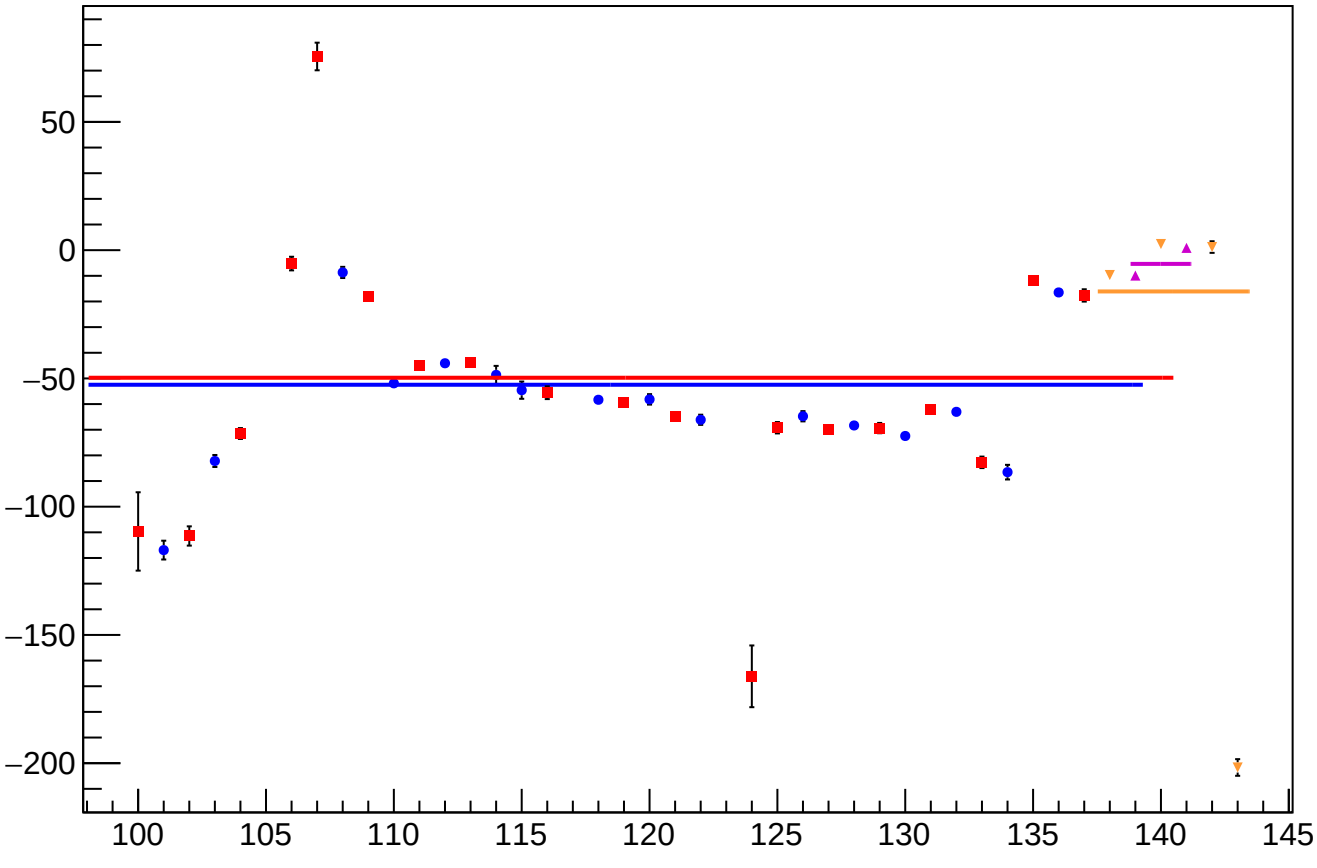
Left: 2.309+/-0.563 χ^2/NDF: 103.6/5

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 3.058+/-0.402 χ^2/NDF:265.8/17

Out: 2.798+/-0.379 χ^2/NDF:271.3/22

All: 2.920+/-0.276 χ^2/NDF: 537.3/40



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -16.092+/-0.833 χ^2/NDF:3547.4/3

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: -11.542+/-0.632 χ^2/NDF: 3648.0/5

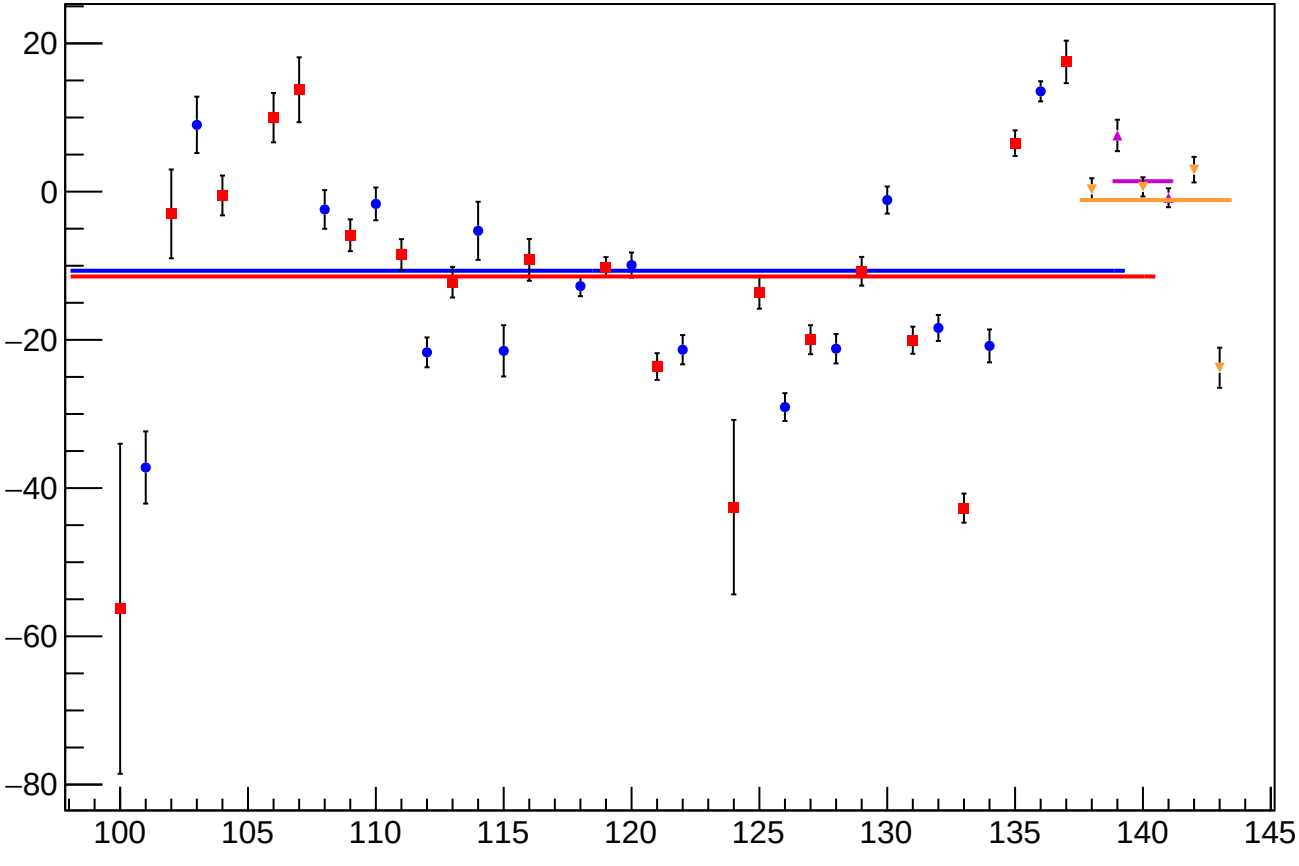
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -42.986+/-0.436 χ^2/NDF:4237.8/17

Out: -40.981+/-0.425 χ^2/NDF:7763.6/22

All: -41.958+/-0.304 χ^2/NDF: 12012.2/40

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: -1.138+/-0.812 χ^2/NDF:78.5/3

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: -0.232+/-0.651 χ^2/NDF: 93.5/5

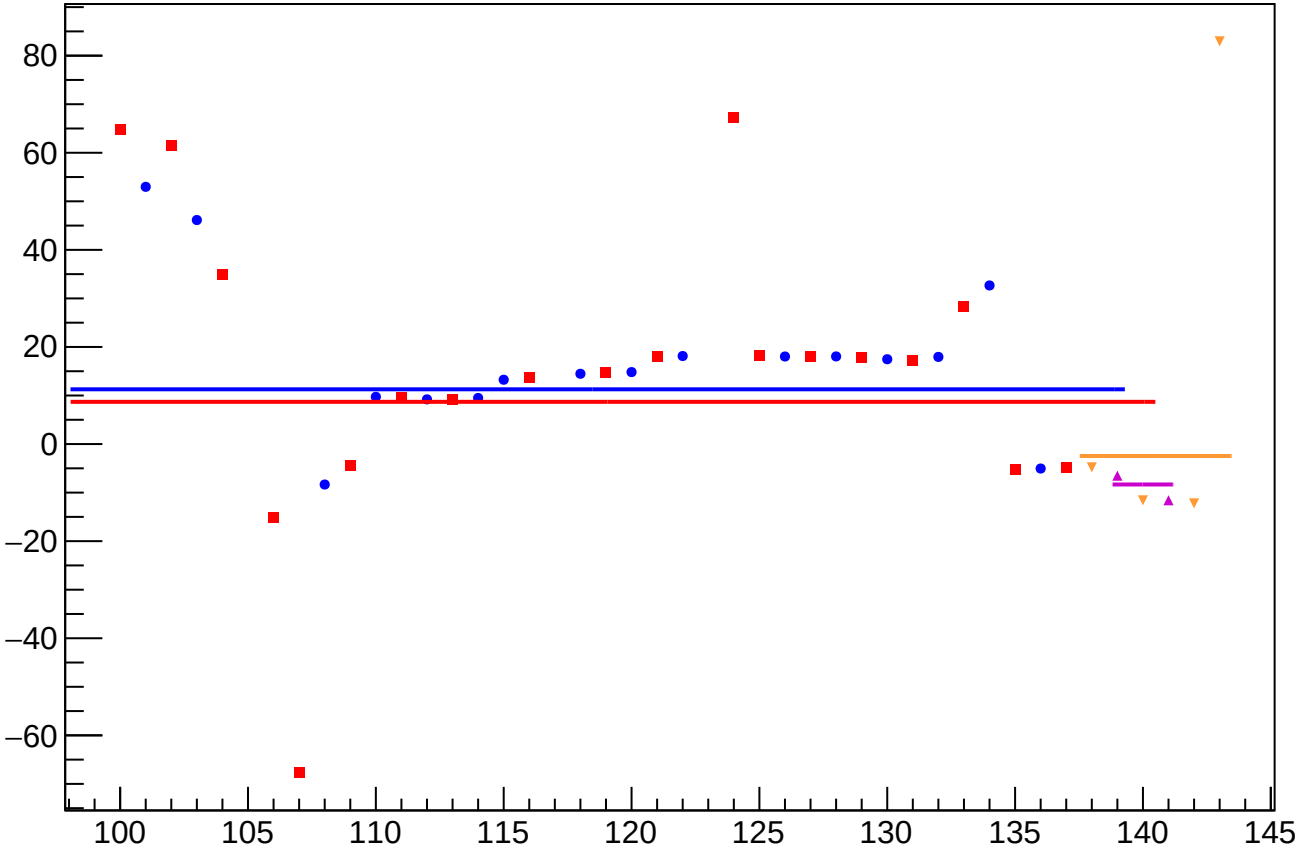
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -8.541+/-0.459 χ^2/NDF:778.8/17

Out: -8.482+/-0.436 χ^2/NDF:859.1/22

All: -8.510+/-0.316 χ^2/NDF: 1638.0/40

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -2.462+/-0.034 χ^2/NDF:436912.9/3

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.327+/-0.037 χ^2/NDF:4418.5/1

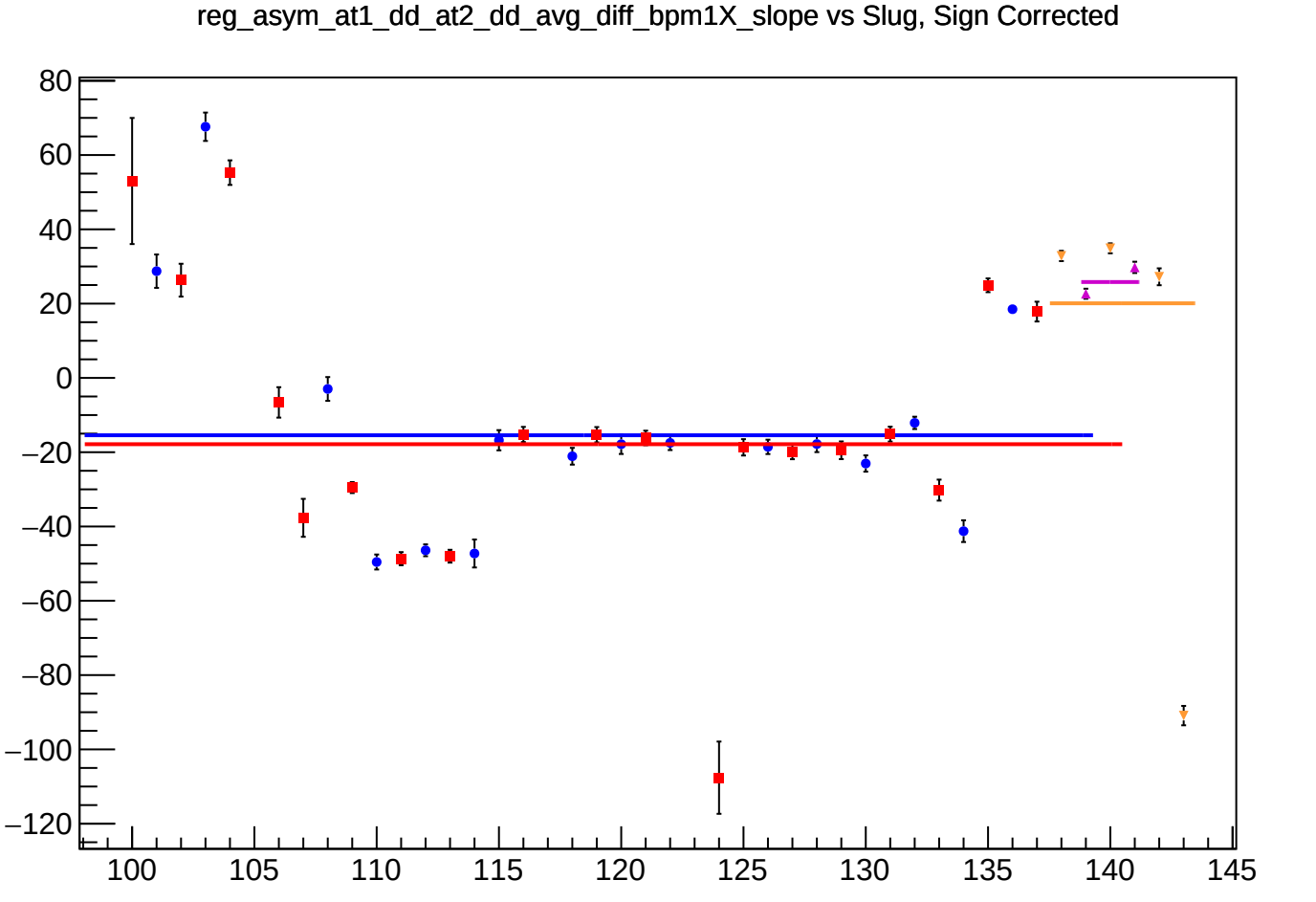
Left: -5.229+/-0.025 χ^2/NDF: 454969.5/5

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

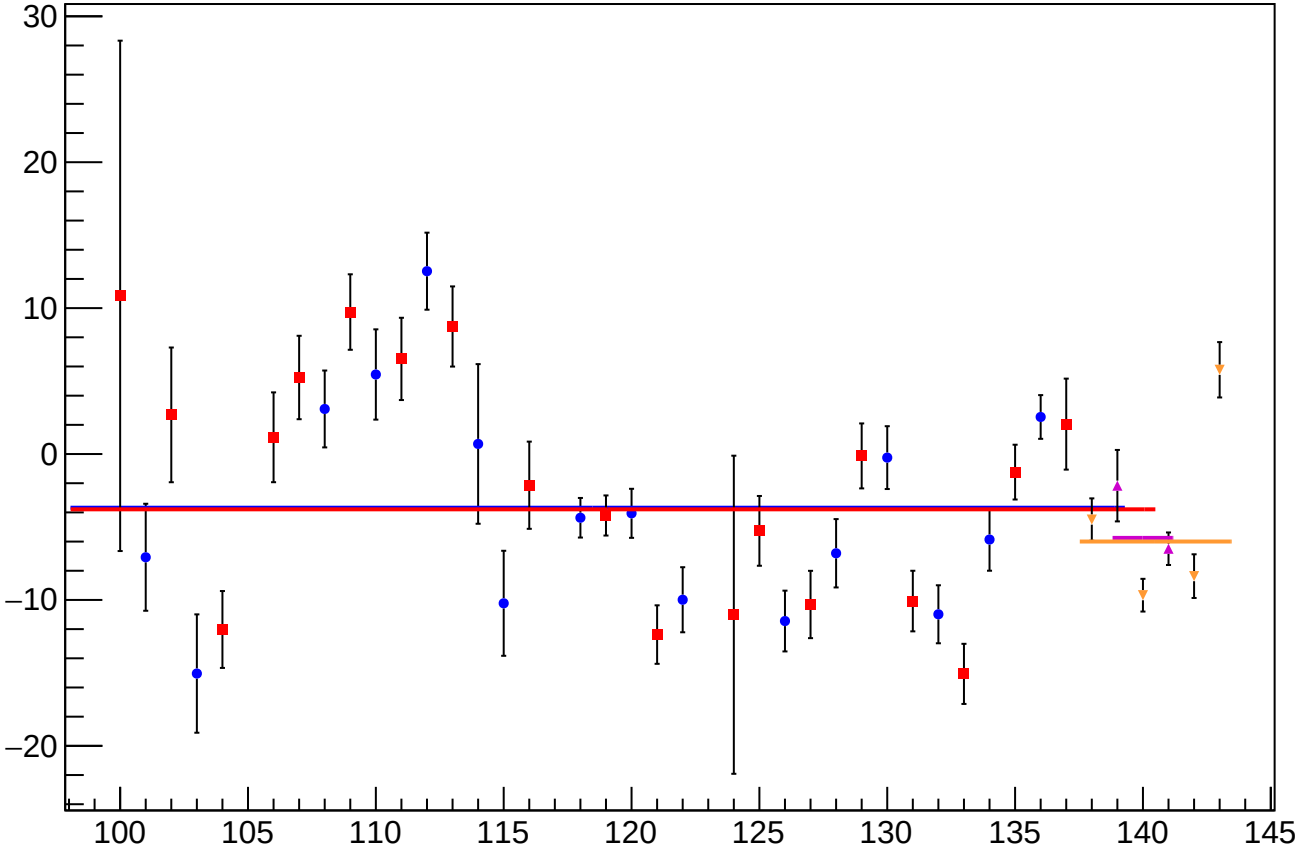
In: 3.398+/-0.023 χ^2/NDF:526269.1/17

Out: 3.638+/-0.023 χ^2/NDF:930261.2/22

All: 3.518+/-0.016 χ^2/NDF: 1456583.7/40


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
145
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 20.084+/-0.840 χ²/NDF:2021.7/3
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.816+/-1.011 χ²/NDF:12.2/1
Left: 22.424+/-0.646 χ²/NDF: 2052.9/5
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: -6.311+/-0.476 χ²/NDF:3432.3/17
Out: -7.057+/-0.448 χ²/NDF:5606.1/22
All: -6.706+/-0.326 χ²/NDF: 9039.7/40

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -5.996+/-0.708 χ^2/NDF:52.9/3

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: -5.915+/-0.581 χ^2/NDF: 55.5/5

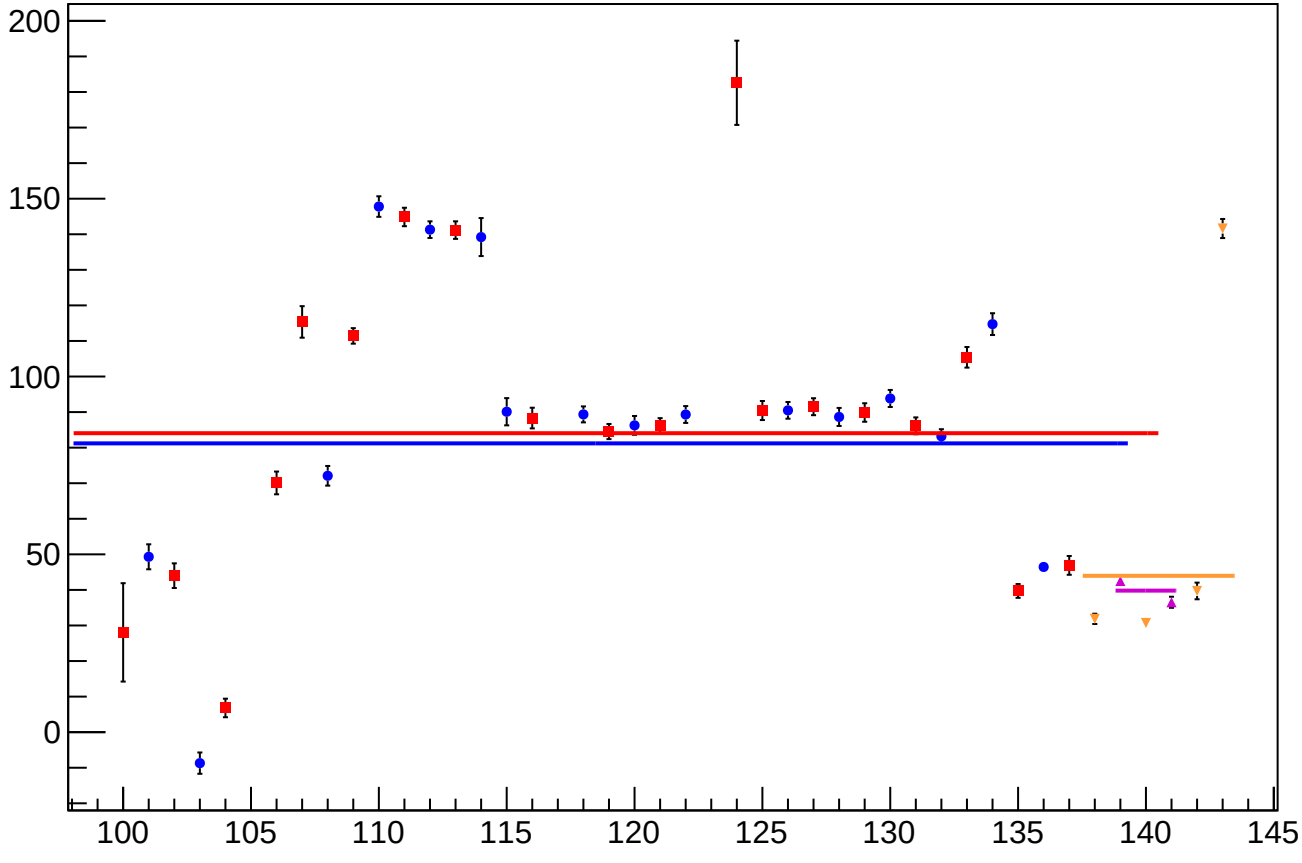
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -4.152+/-0.485 χ^2/NDF:129.8/17

Out: -4.646+/-0.441 χ^2/NDF:220.0/22

All: -4.422+/-0.326 χ^2/NDF: 350.4/40

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.964+/-0.869 χ^2/NDF:1486.8/3

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 39.803+/-1.047 χ^2/NDF:8.1/1

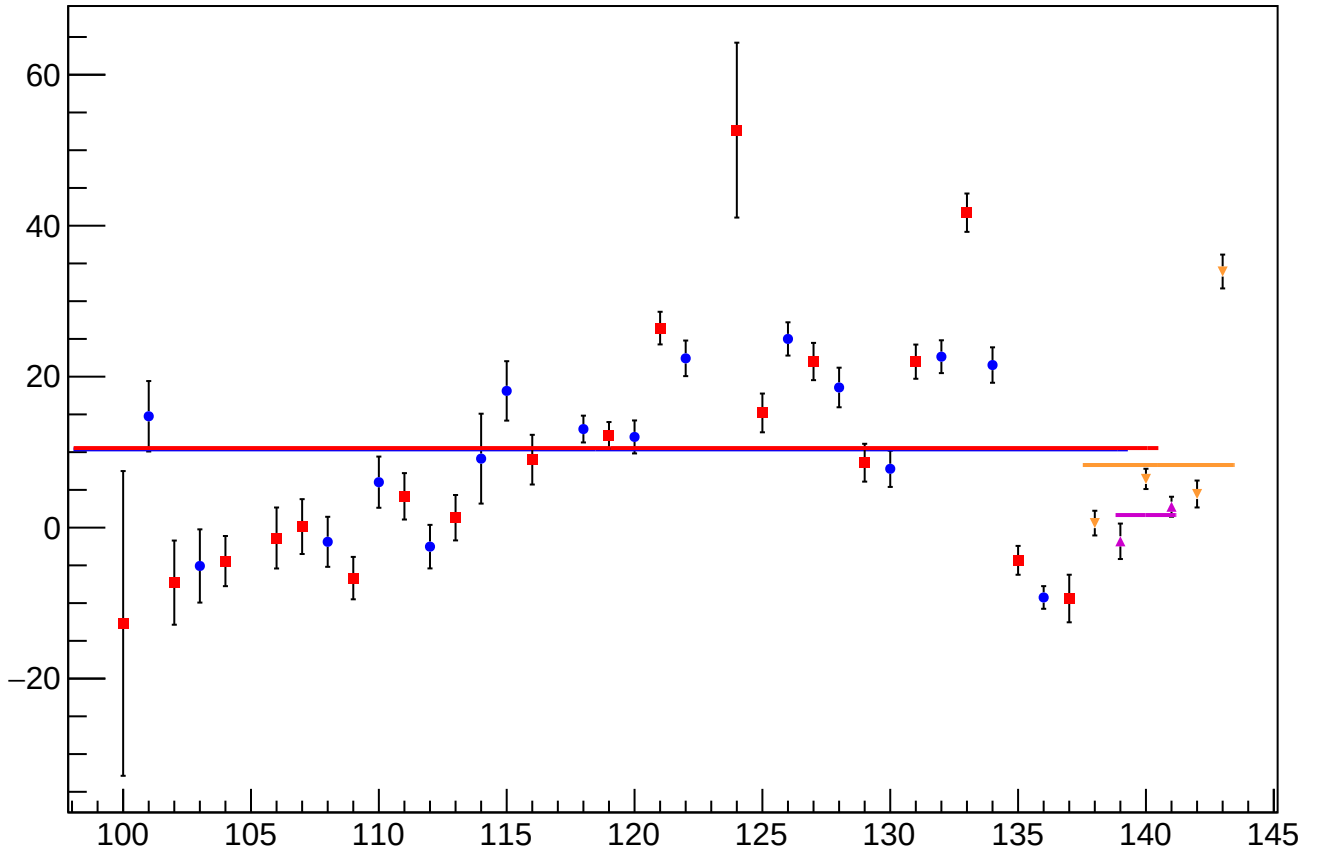
Left: 42.266+/-0.669 χ^2/NDF: 1504.2/5

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 70.780+/-0.525 χ^2/NDF:4409.5/17

Out: 70.644+/-0.503 χ^2/NDF:6110.4/22

All: 70.709+/-0.363 χ^2/NDF: 10519.9/40



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 8.296+/-0.833 χ^2/NDF:159.5/3

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 1.668+/-1.152 χ^2/NDF:2.9/1

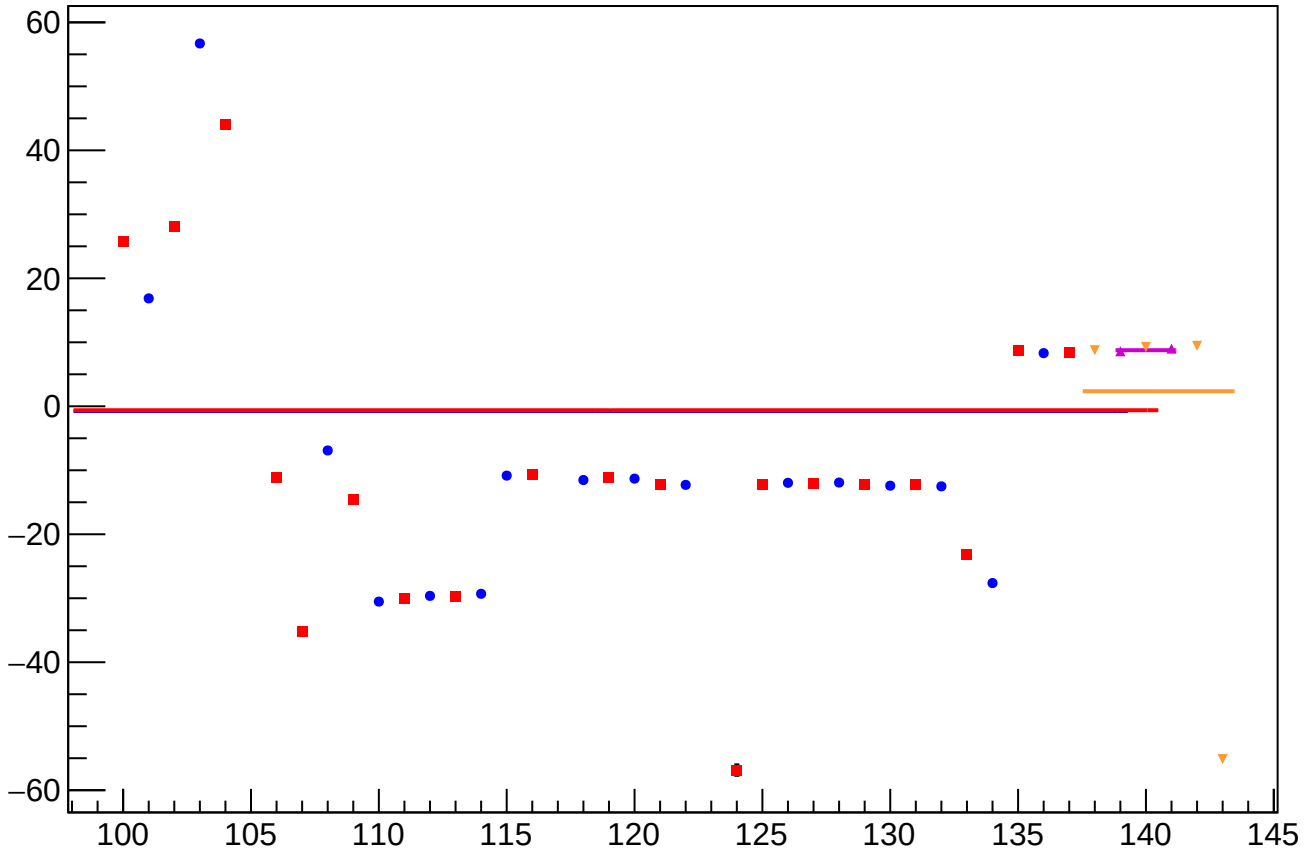
Left: 6.021+/-0.675 χ^2/NDF: 184.1/5

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 8.381+/-0.550 χ^2/NDF:406.7/17

Out: 9.706+/-0.508 χ^2/NDF:634.8/22

All: 9.097+/-0.373 χ^2/NDF: 1044.6/40



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 2.353+/-0.036 χ^2/NDF:295615.6/3

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: 5.275+/-0.027 χ^2/NDF: 309977.7/5

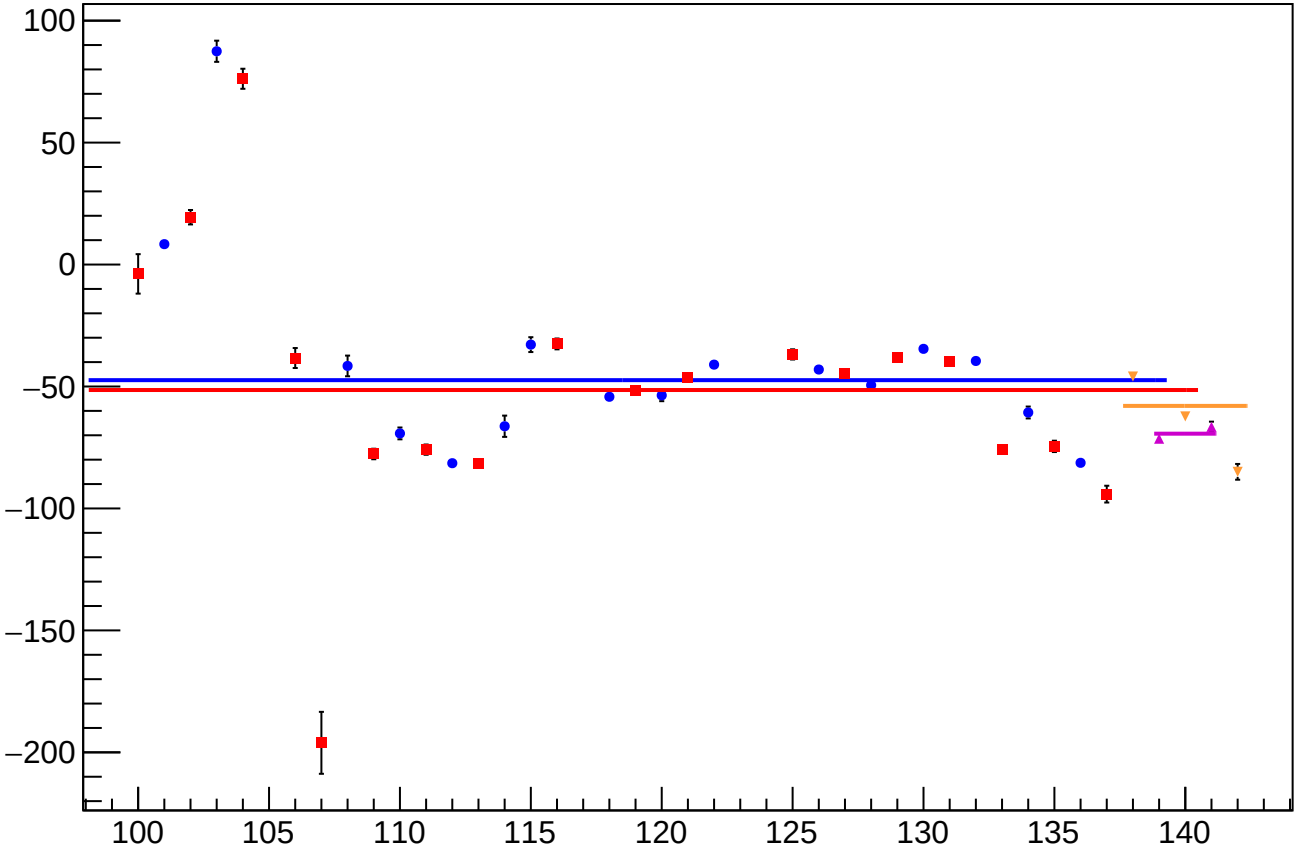
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 3.554+/-0.027 χ^2/NDF:399775.3/17

Out: 0.916+/-0.026 χ^2/NDF:615376.9/22

All: 2.205+/-0.019 χ^2/NDF: 1020199.0/40

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: -57.953+/-1.197 χ^2/NDF:121.2/2

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -69.345+/-1.374 χ^2/NDF:3.1/1

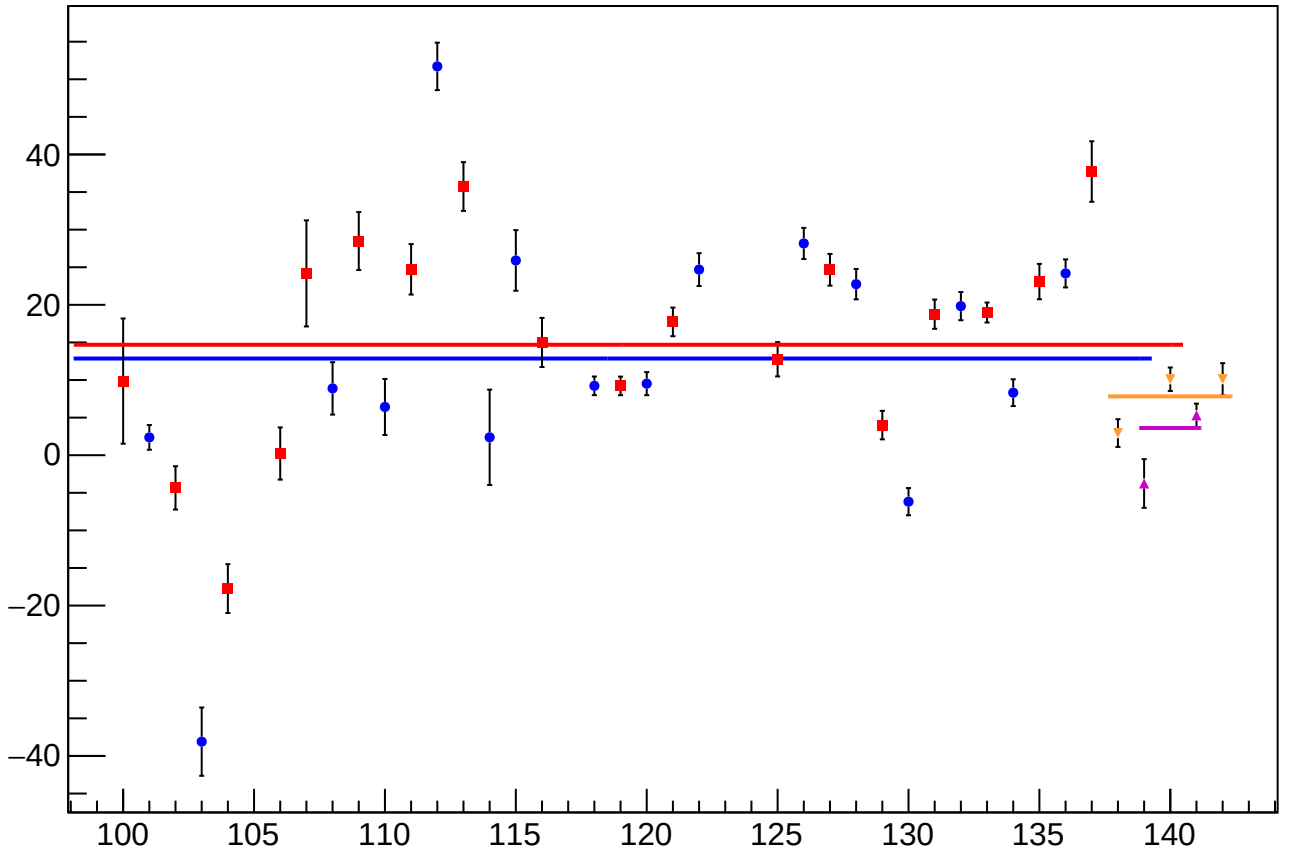
Left: -62.870+/-0.903 χ^2/NDF: 163.4/4

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -50.288+/-0.499 χ^2/NDF:2993.6/17

Out: -52.560+/-0.496 χ^2/NDF:3018.5/20

All: -51.430+/-0.352 χ^2/NDF: 6022.5/38



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.822+/-1.040 χ^2/NDF:10.3/2

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 3.618+/-1.398 χ^2/NDF:6.4/1

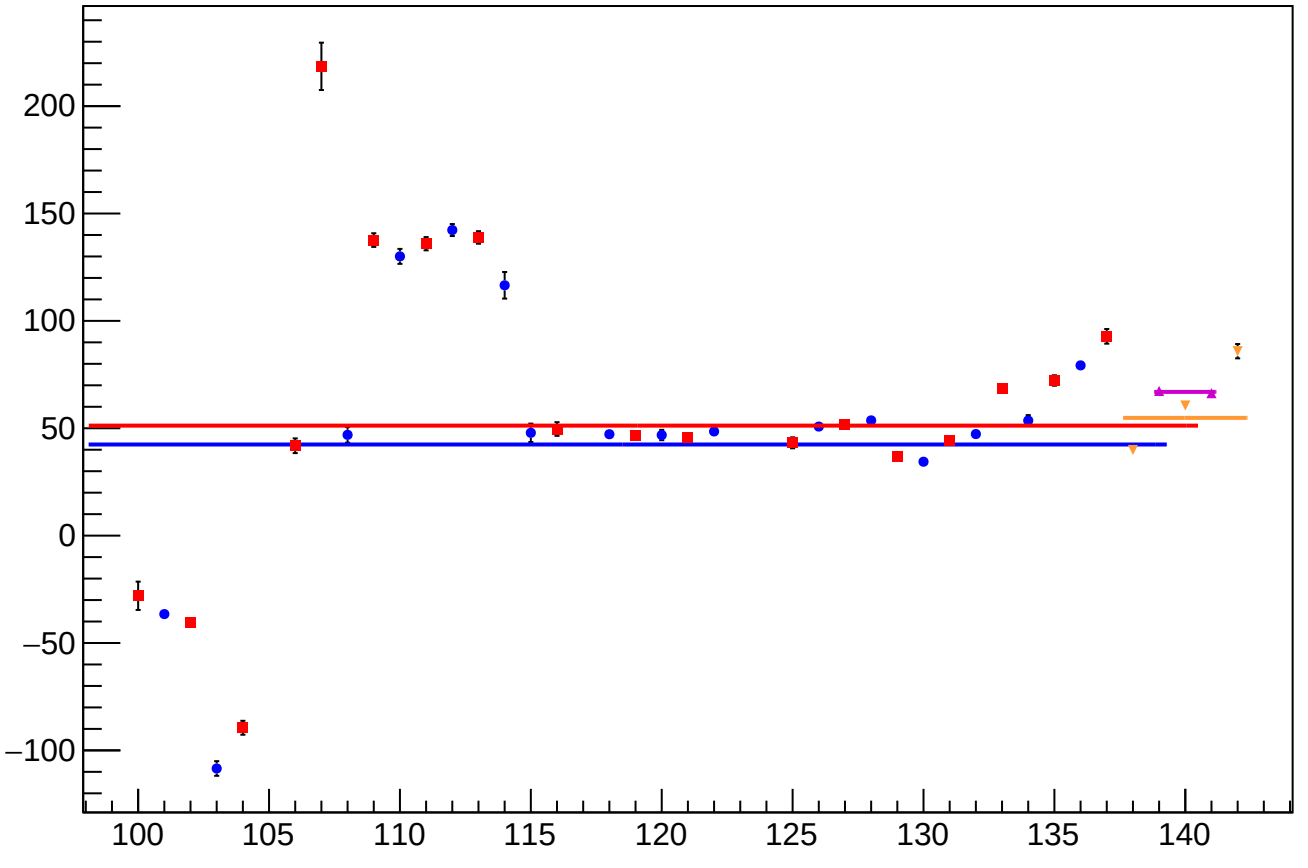
Left: 6.324+/-0.835 χ^2/NDF: 22.5/4

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 11.742+/-0.486 χ^2/NDF:670.3/17

Out: 13.214+/-0.482 χ^2/NDF:408.6/20

All: 12.484+/-0.342 χ^2/NDF: 1083.5/38



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 54.832+/-1.240 χ^2/NDF:160.8/2

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 66.929+/-1.423 χ^2/NDF:0.1/1

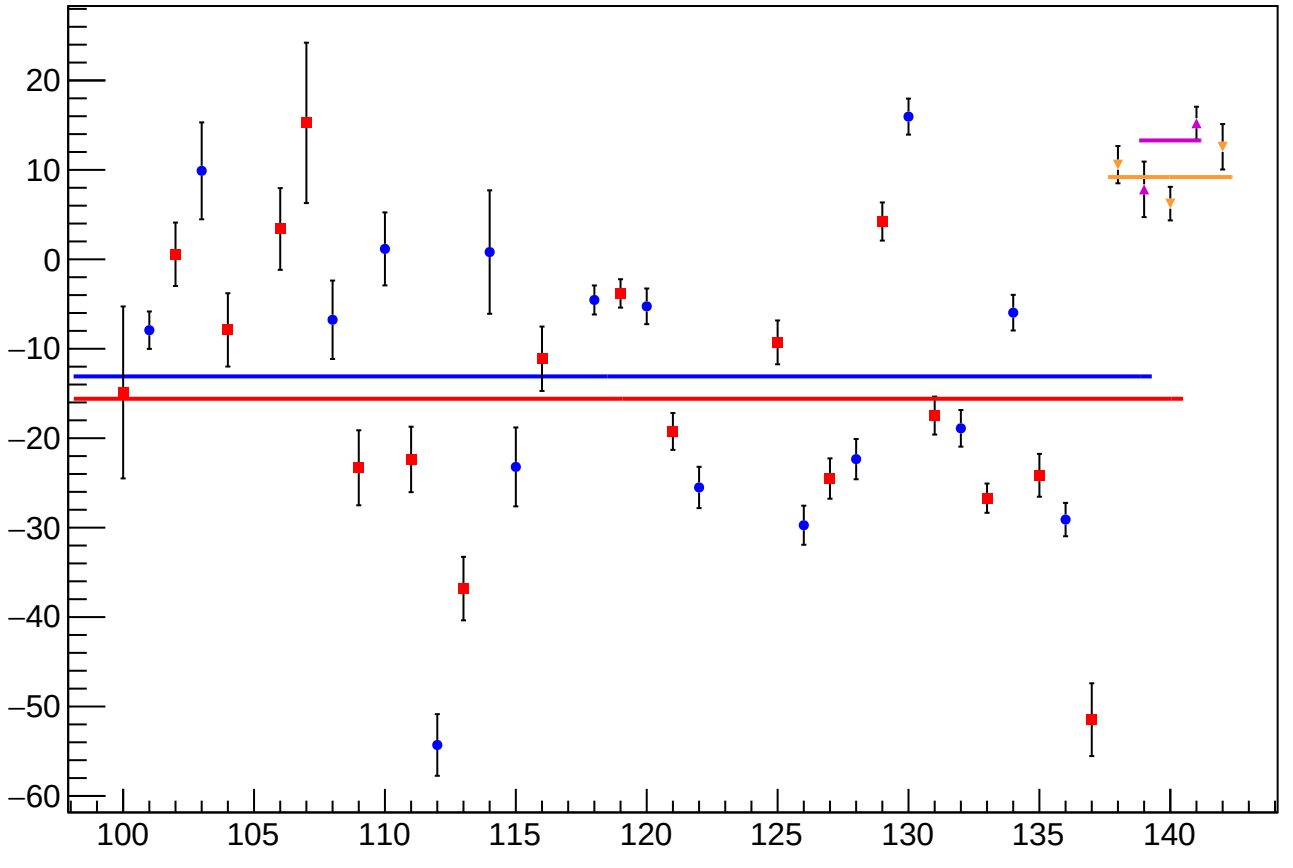
Left: 60.053+/-0.935 χ^2/NDF: 202.0/4

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 45.970+/-0.541 χ^2/NDF:7422.5/17

Out: 51.937+/-0.551 χ^2/NDF:6778.9/20

All: 48.897+/-0.386 χ^2/NDF: 14261.1/38



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 9.197+/-1.221 χ^2/NDF:4.7/2

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 13.294+/-1.584 χ^2/NDF:4.2/1

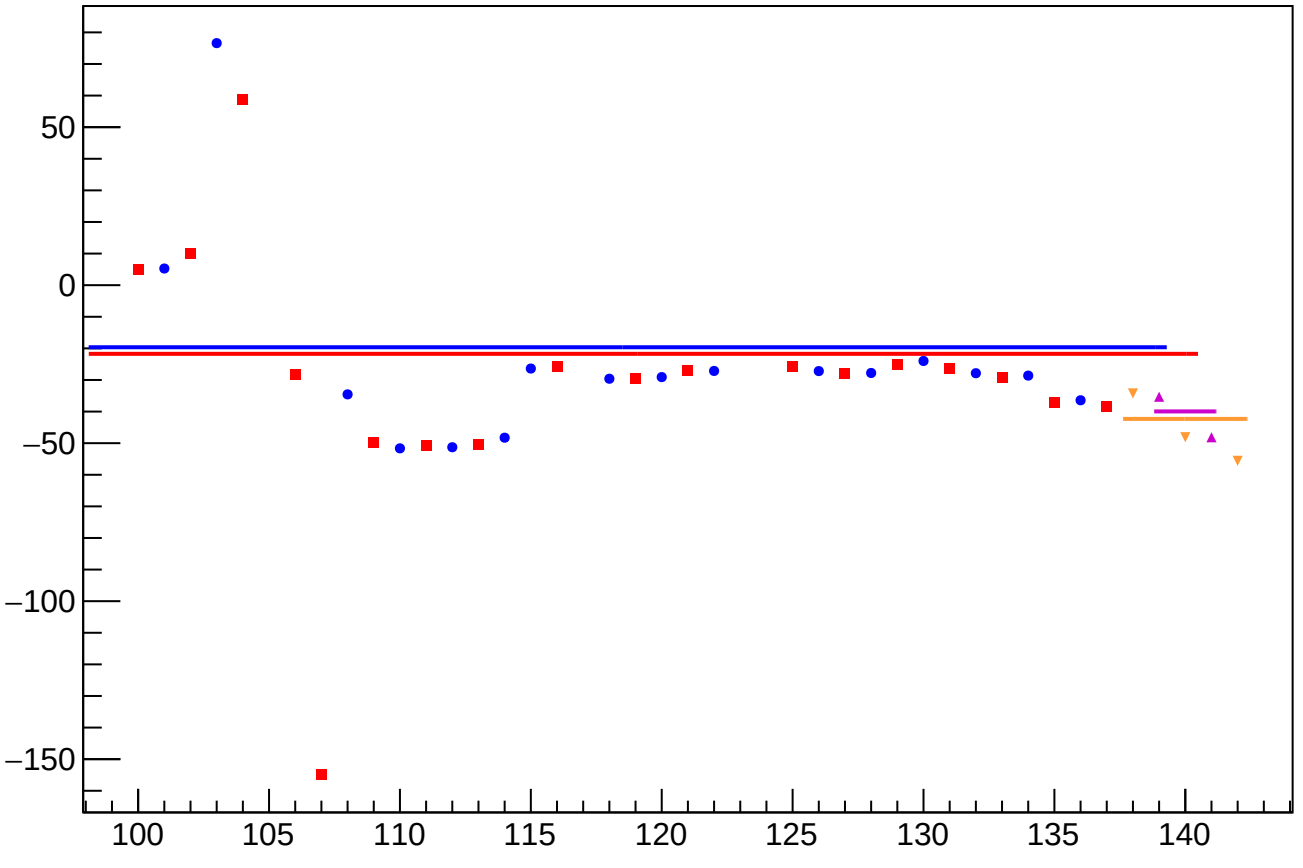
Left: 10.725+/-0.967 χ^2/NDF: 13.1/4

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -9.781+/-0.561 χ^2/NDF:886.8/17

Out: -10.422+/-0.558 χ^2/NDF:732.5/20

All: -10.103+/-0.395 χ^2/NDF: 1620.0/38



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -42.318+/-0.052 χ^2/NDF:26144.1/2

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -39.951+/-0.053 χ^2/NDF:13343.3/1

Left: -41.175+/-0.037 χ^2/NDF: 40504.2/4

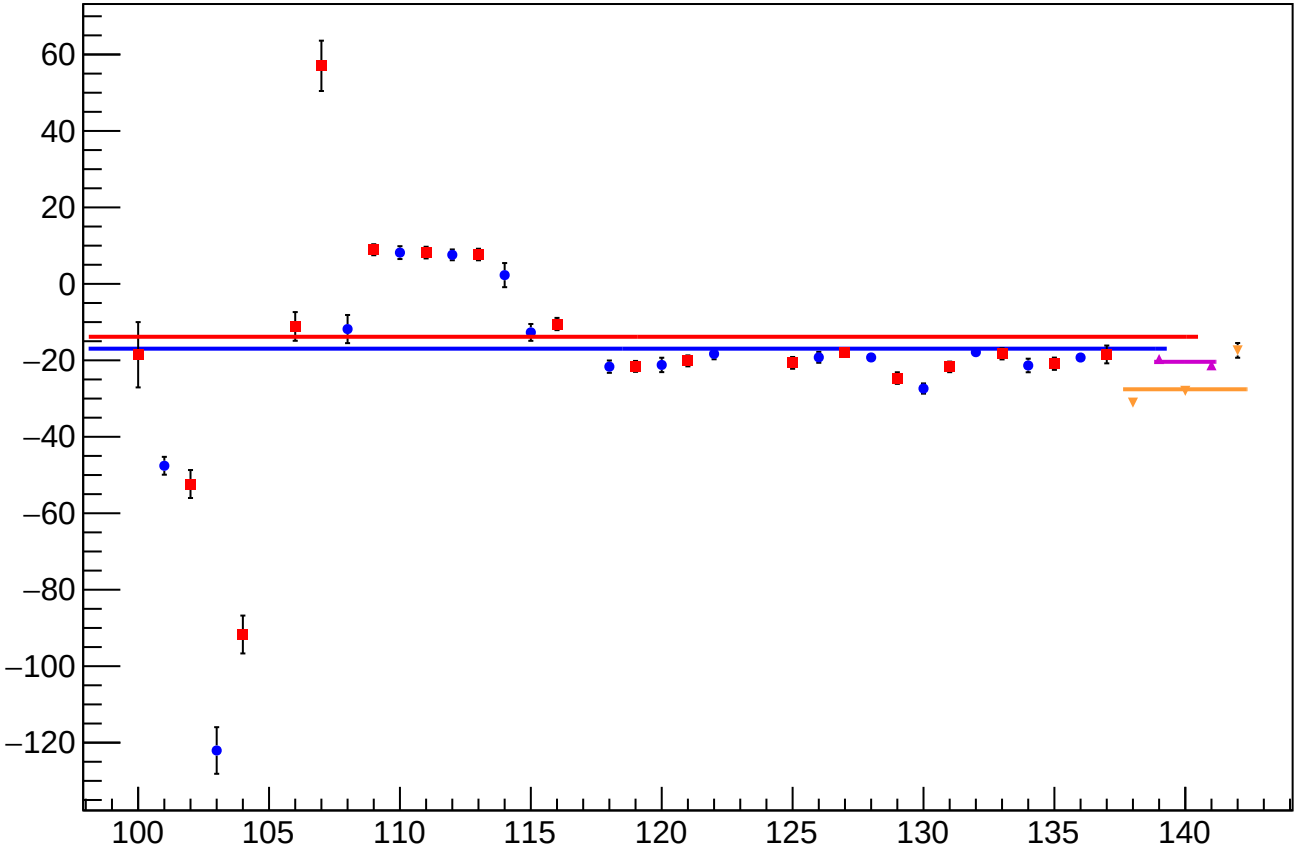
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -26.017+/-0.030 χ^2/NDF:759508.6/17

Out: -29.191+/-0.031 χ^2/NDF:674379.3/20

All: -27.545+/-0.022 χ^2/NDF: 1439307.7/38

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.570+/-0.762 χ^2/NDF:36.5/2

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: -24.445+/-0.573 χ^2/NDF: 76.0/4

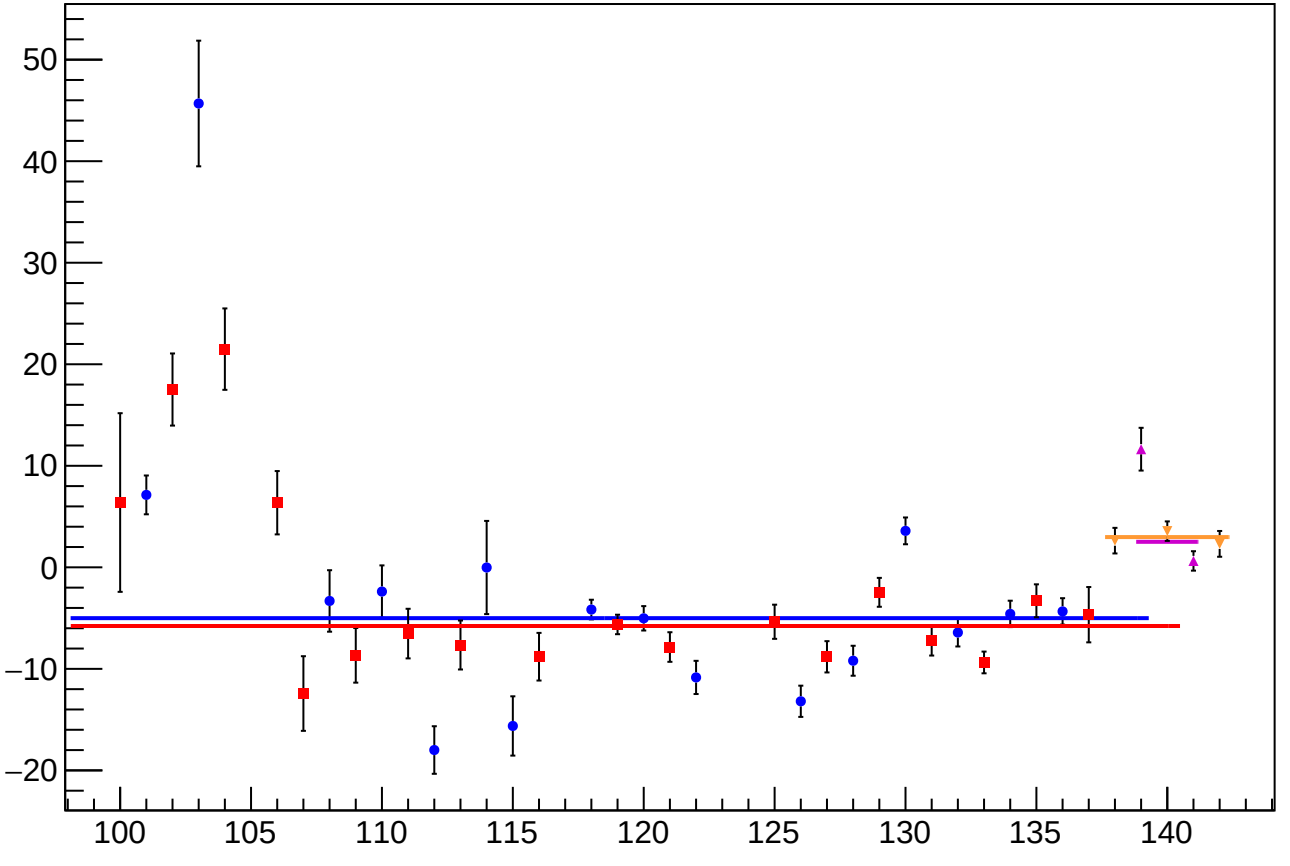
Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -17.560+/-0.366 χ^2/NDF:1142.0/17

Out: -16.912+/-0.360 χ^2/NDF:1621.9/20

All: -17.231+/-0.257 χ^2/NDF: 2765.5/38

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: 2.979+/-0.654 χ^2/NDF:0.7/2

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: 2.512+/-0.871 χ^2/NDF:22.6/1

Left: 2.810+/-0.523 χ^2/NDF: 23.6/4

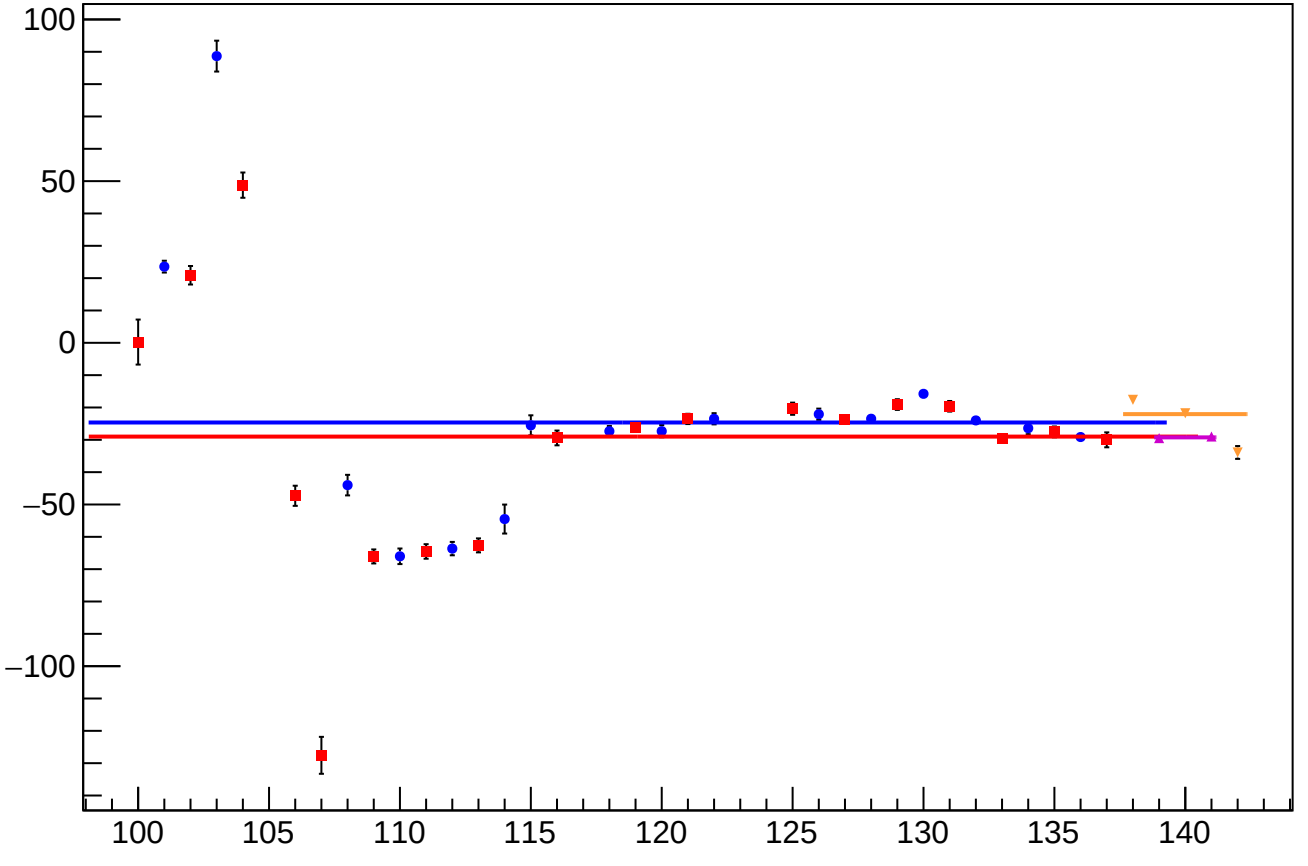
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.689+/-0.364 χ^2/NDF:331.9/17

Out: -3.229+/-0.353 χ^2/NDF:267.0/20

All: -3.452+/-0.254 χ^2/NDF: 599.7/38

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: -22.051+/-0.788 χ^2/NDF:48.1/2

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -29.242+/-0.898 χ^2/NDF:0.1/1

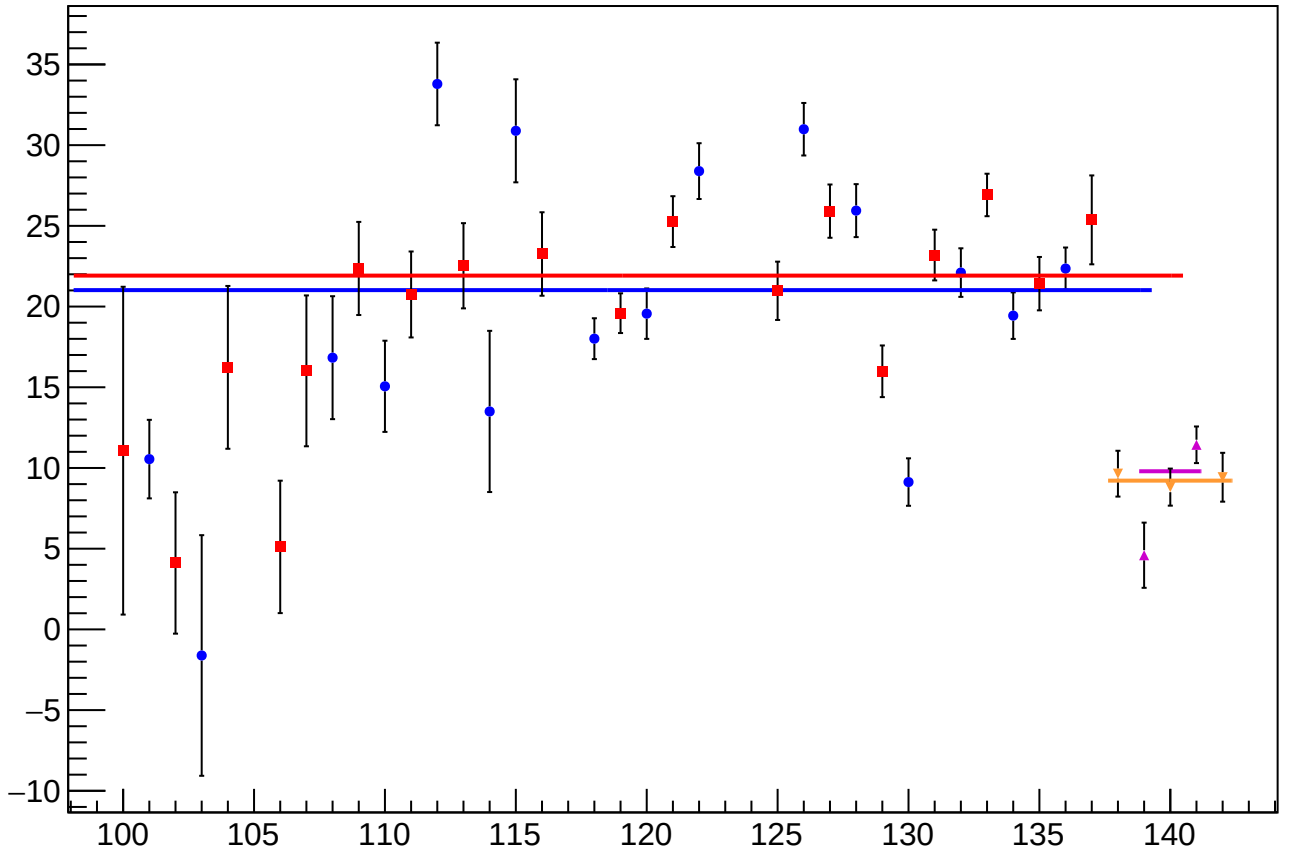
Left: -25.180+/-0.593 χ^2/NDF: 84.3/4

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.580+/-0.406 χ^2/NDF:2072.8/17

Out: -27.150+/-0.407 χ^2/NDF:2057.3/20

All: -26.363+/-0.287 χ^2/NDF: 4137.6/38



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 9.216+/-0.769 χ^2/NDF:0.2/2

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 9.796+/-0.989 χ^2/NDF:8.7/1

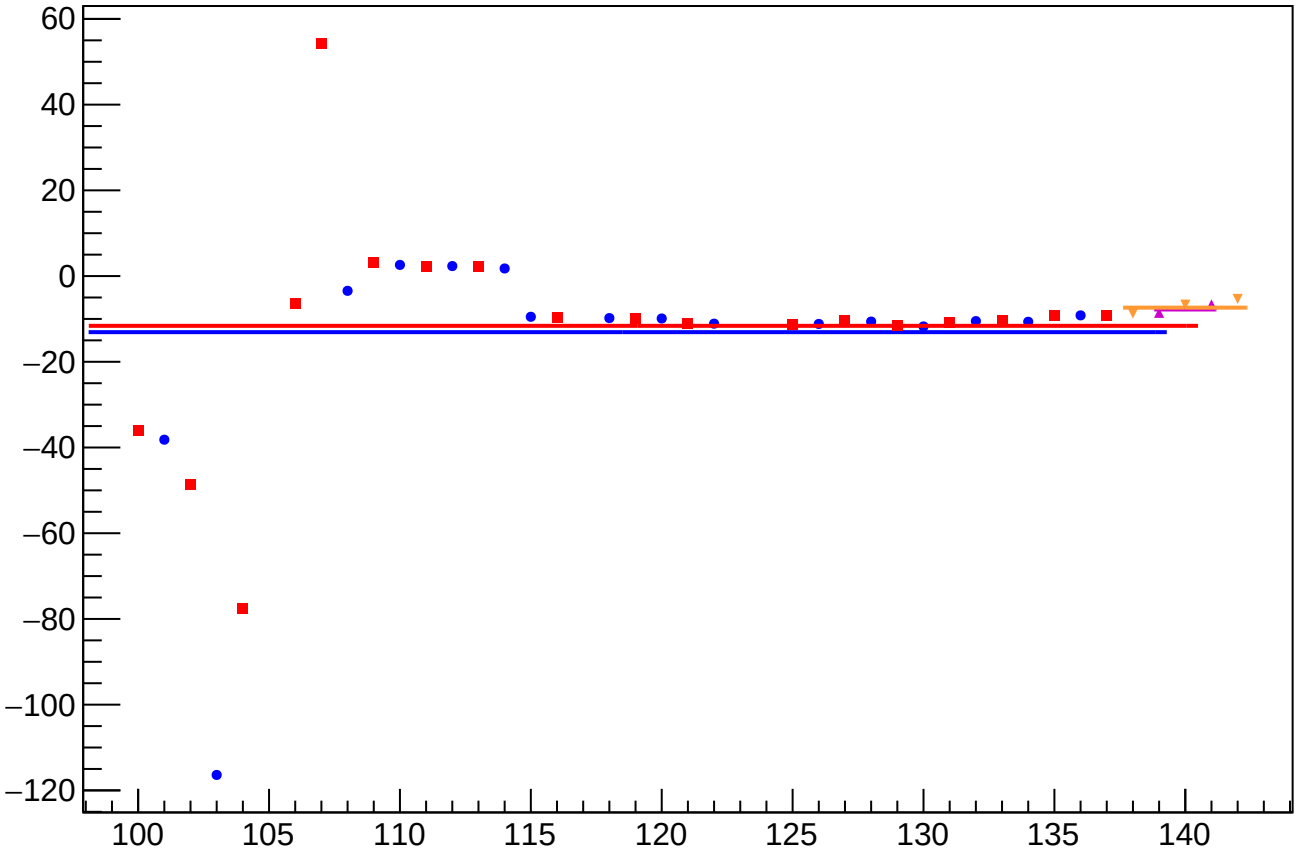
Left: 9.435+/-0.607 χ^2/NDF: 9.2/4

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 19.036+/-0.416 χ^2/NDF:324.4/17

Out: 18.373+/-0.406 χ^2/NDF:279.5/20

All: 18.697+/-0.291 χ^2/NDF: 605.2/38



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.364+/-0.033 χ^2/NDF:1578.5/2

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -7.799+/-0.034 χ^2/NDF:801.5/1

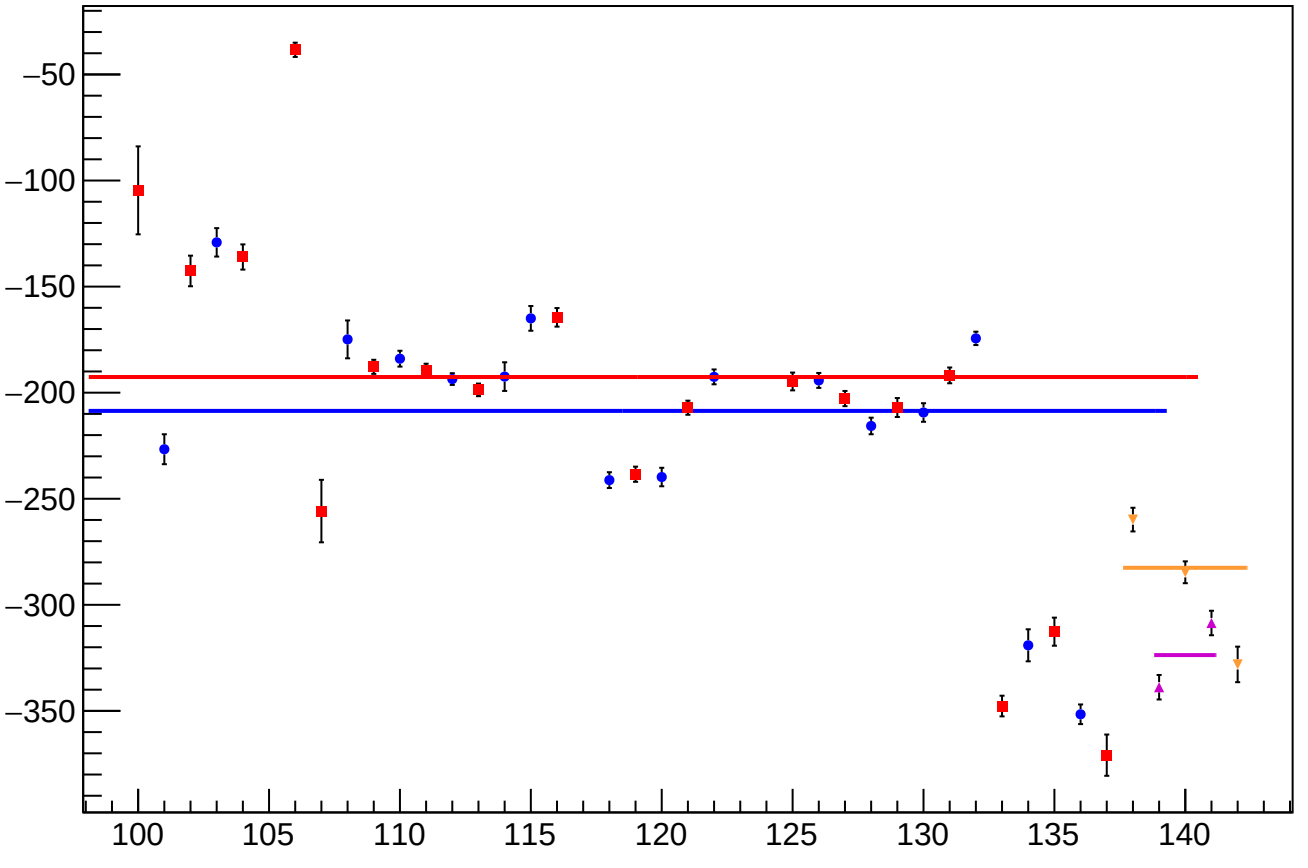
Left: -7.574+/-0.024 χ^2/NDF: 2464.9/4

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.907+/-0.022 χ^2/NDF:360014.9/17

Out: -9.616+/-0.022 χ^2/NDF:324634.5/20

All: -10.282+/-0.016 χ^2/NDF: 686349.7/38



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -282.542+/-3.449 χ^2/NDF:46.3/2

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -323.694+/-4.084 χ^2/NDF:13.7/1

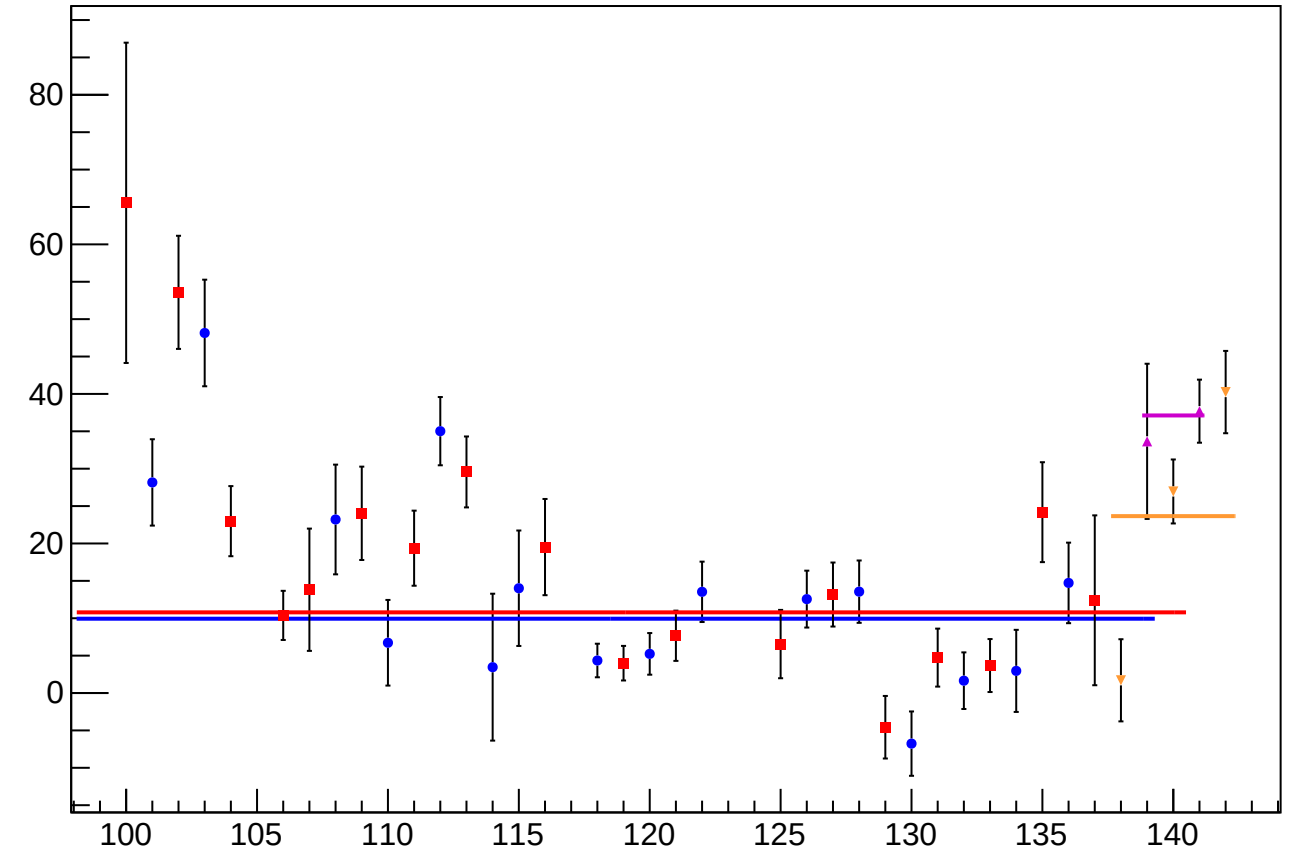
Left: -299.674+/-2.635 χ^2/NDF: 119.3/4

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -215.934+/-1.032 χ^2/NDF:2508.5/17

Out: -199.575+/-0.959 χ^2/NDF:4880.5/20

All: -207.160+/-0.703 χ^2/NDF: 7523.8/38



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 23.657+/-2.877 χ^2/NDF:25.7/2

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 37.120+/-3.907 χ^2/NDF:0.1/1

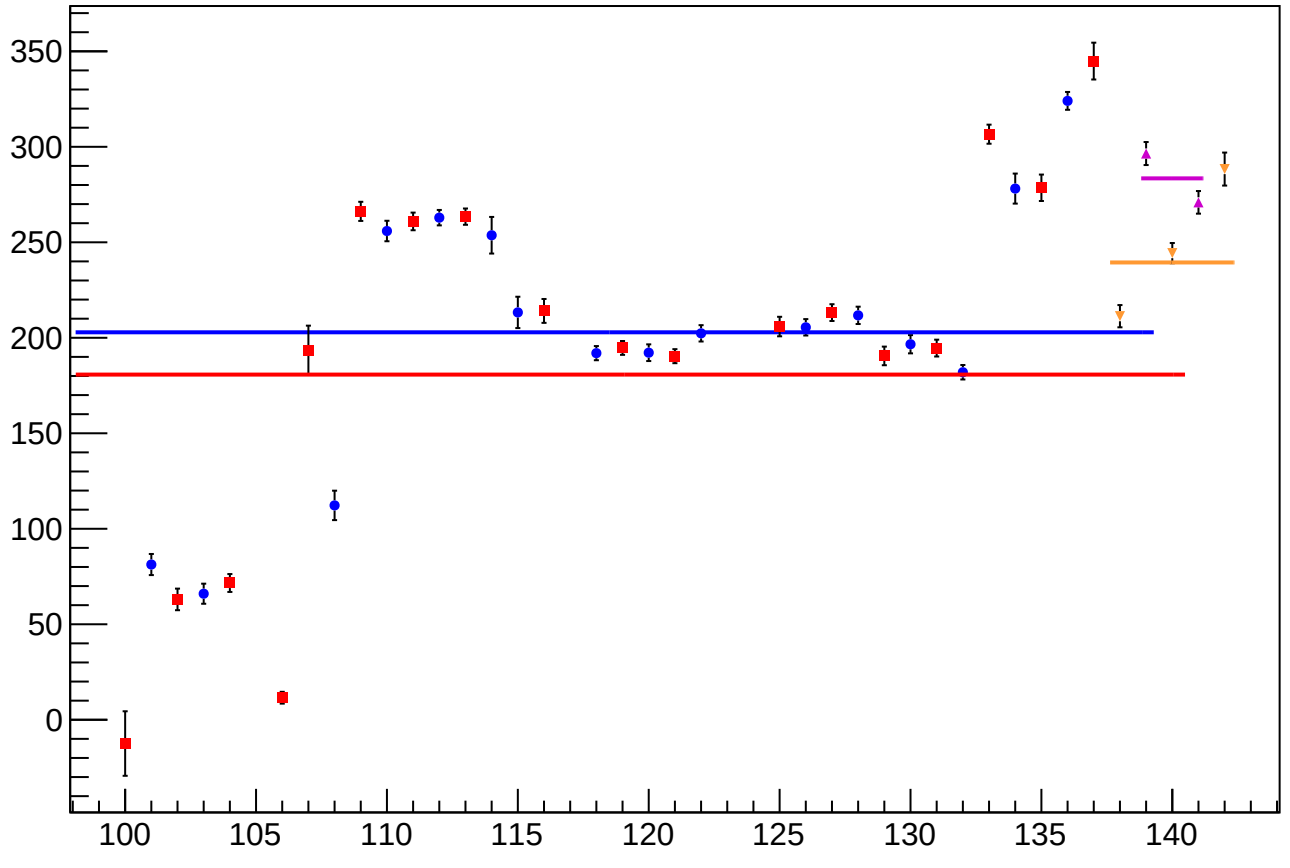
Left: 28.391+/-2.317 χ^2/NDF: 33.5/4

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 11.820+/-1.028 χ^2/NDF:151.7/17

Out: 12.284+/-0.981 χ^2/NDF:148.4/20

All: 12.063+/-0.710 χ^2/NDF: 300.3/38



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 239.444+/-3.568 χ^2/NDF:56.2/2

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 283.473+/-4.224 χ^2/NDF:9.1/1

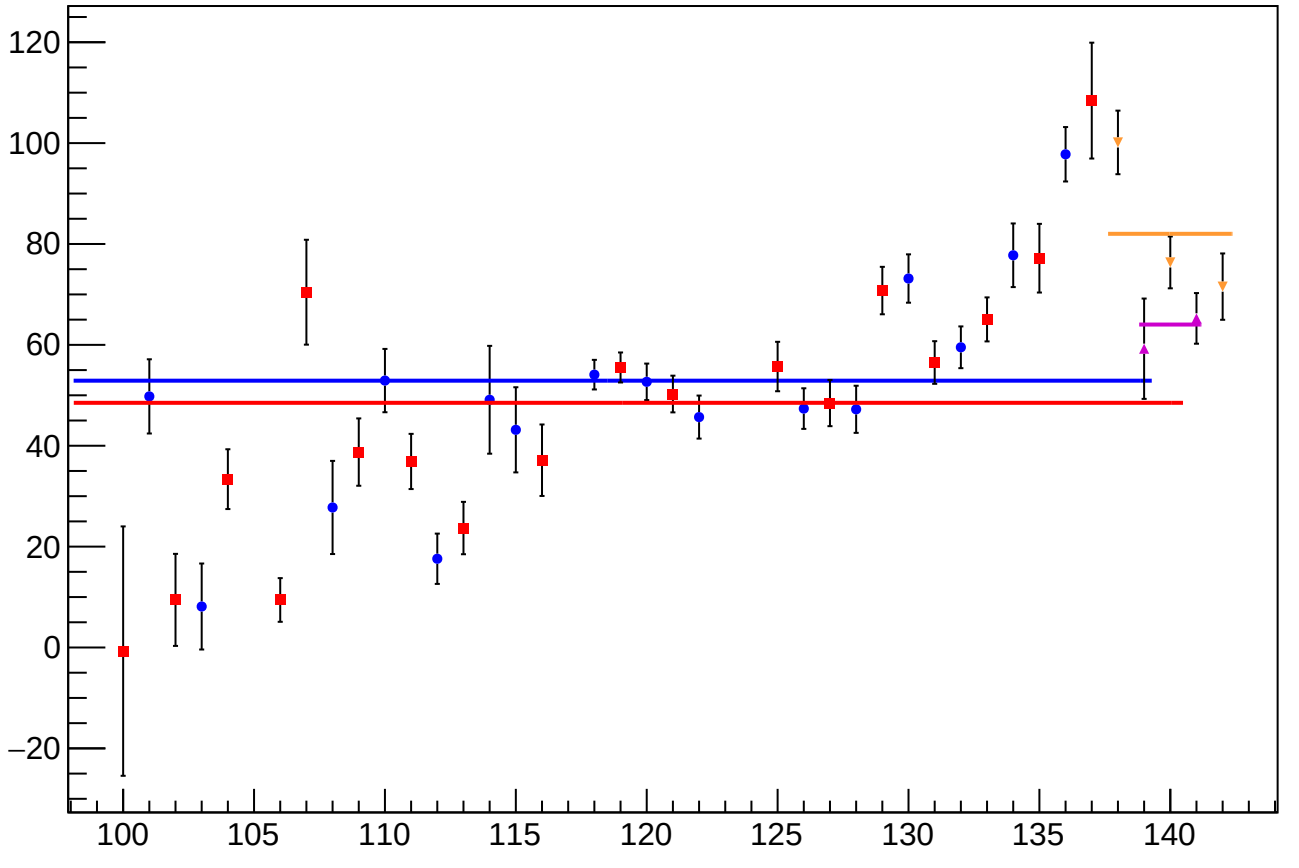
Left: 257.778+/-2.726 χ^2/NDF: 128.8/4

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 209.132+/-1.177 χ^2/NDF:2809.2/17

Out: 186.201+/-1.089 χ^2/NDF:6649.7/20

All: 196.777+/-0.799 χ^2/NDF: 9663.4/38



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 82.016+/-3.408 χ^2/NDF:12.0/2

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 64.028+/-4.482 χ^2/NDF:0.3/1

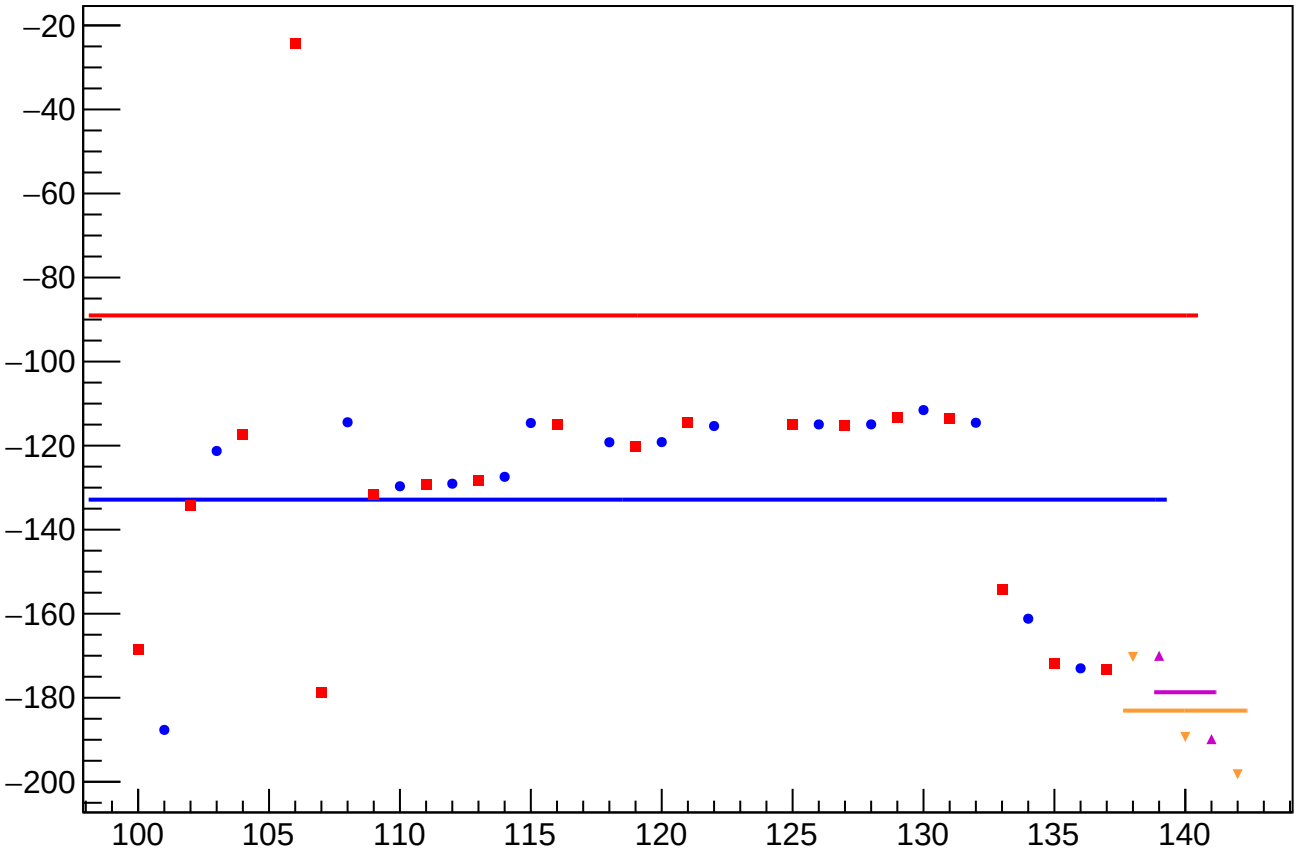
Left: 75.427+/-2.713 χ^2/NDF: 22.5/4

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 53.692+/-1.196 χ^2/NDF:204.3/17

Out: 52.285+/-1.144 χ^2/NDF:337.8/20

All: 52.957+/-0.827 χ^2/NDF: 542.8/38



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -183.061+/-0.151 χ^2/NDF:5511.4/2

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -178.688+/-0.161 χ^2/NDF:3741.9/1

Left: -181.018+/-0.110 χ^2/NDF: 9647.4/4

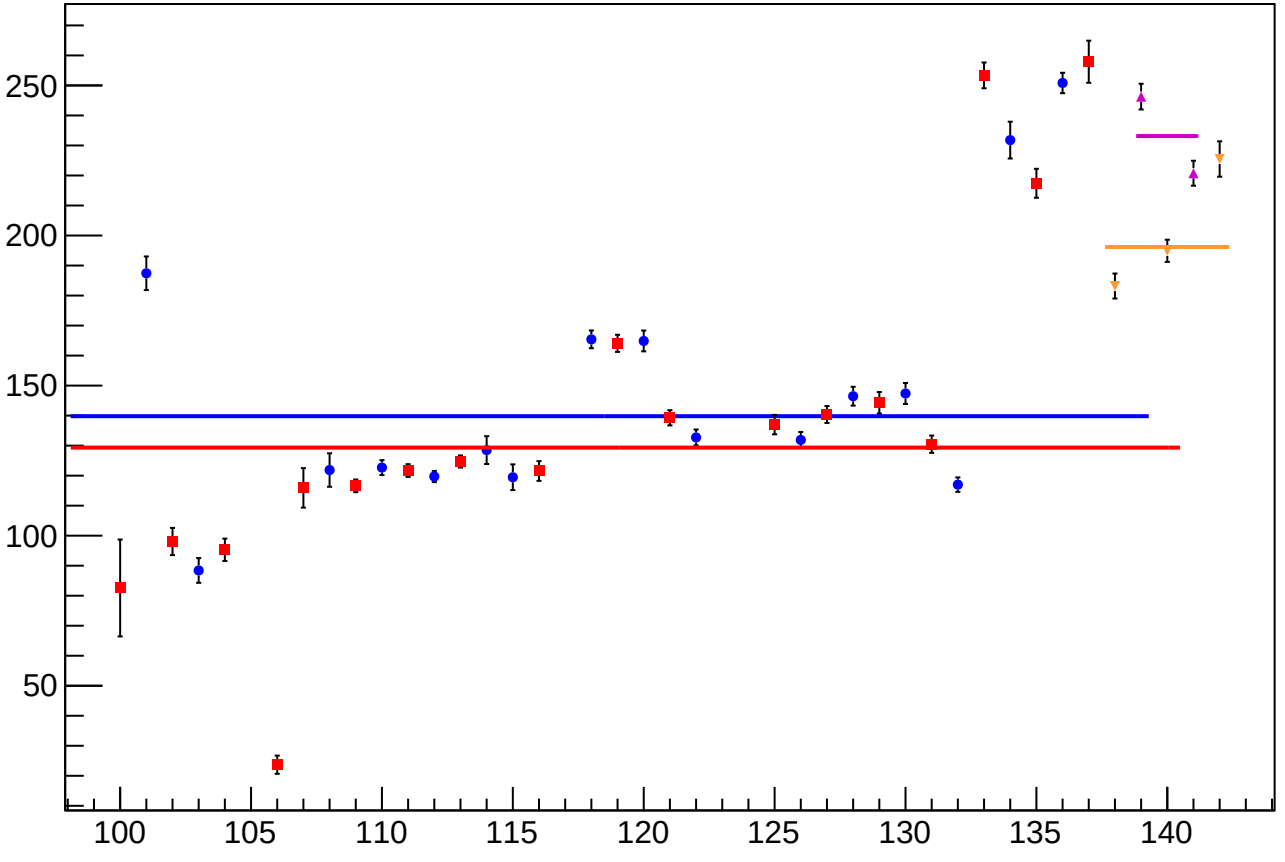
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -142.198+/-0.073 χ^2/NDF:161934.4/17

Out: -103.474+/-0.059 χ^2/NDF:1063744.3/20

All: -118.889+/-0.046 χ^2/NDF: 1396974.9/38

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 196.175+/-2.504 χ^2/NDF:34.6/2

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: 211.454+/-1.918 χ^2/NDF: 143.0/4

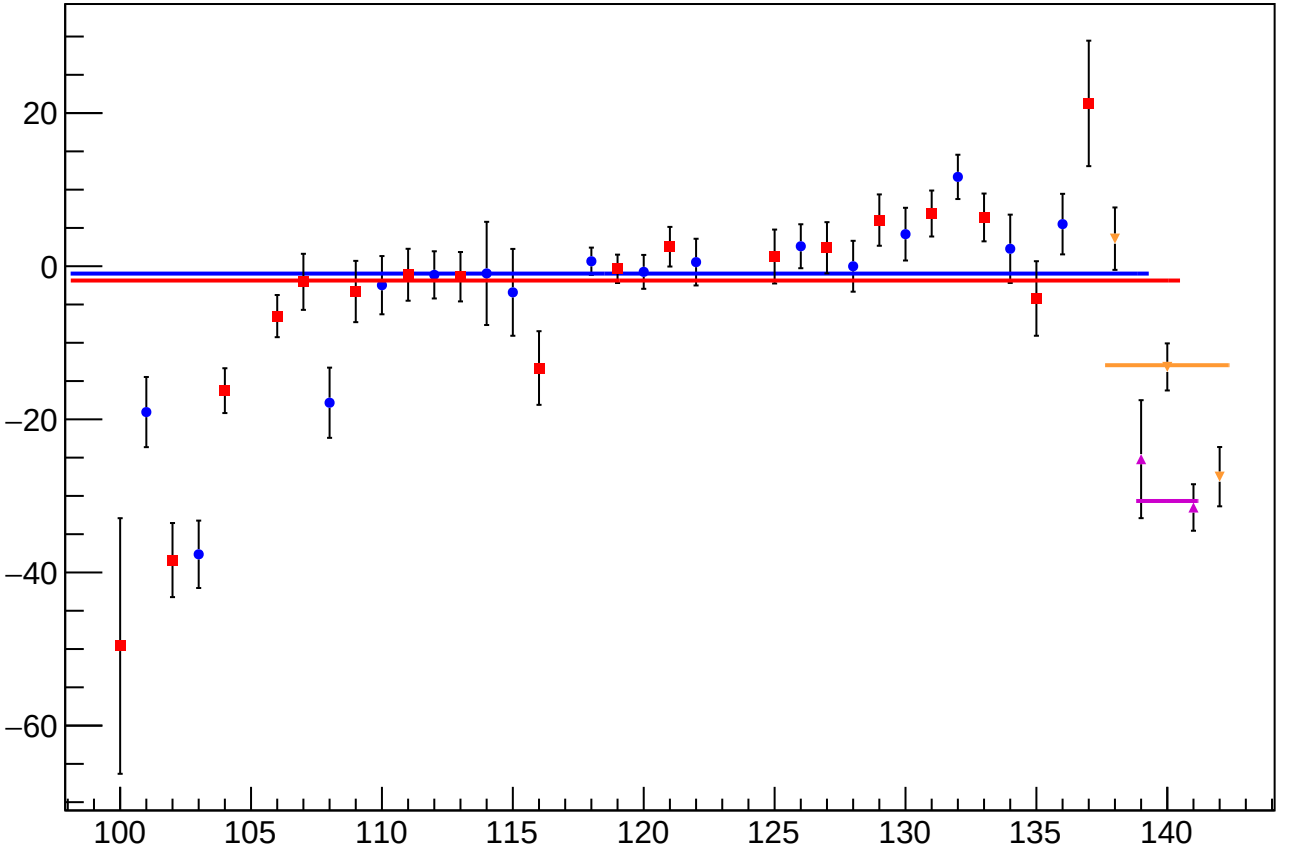
Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 145.850+/-0.759 χ^2/NDF:2899.0/17

Out: 134.637+/-0.705 χ^2/NDF:3814.3/20

All: 139.829+/-0.516 χ^2/NDF: 6830.5/38

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -12.928+/-2.073 χ^2/NDF:30.6/2

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -30.663+/-2.826 χ^2/NDF:0.6/1

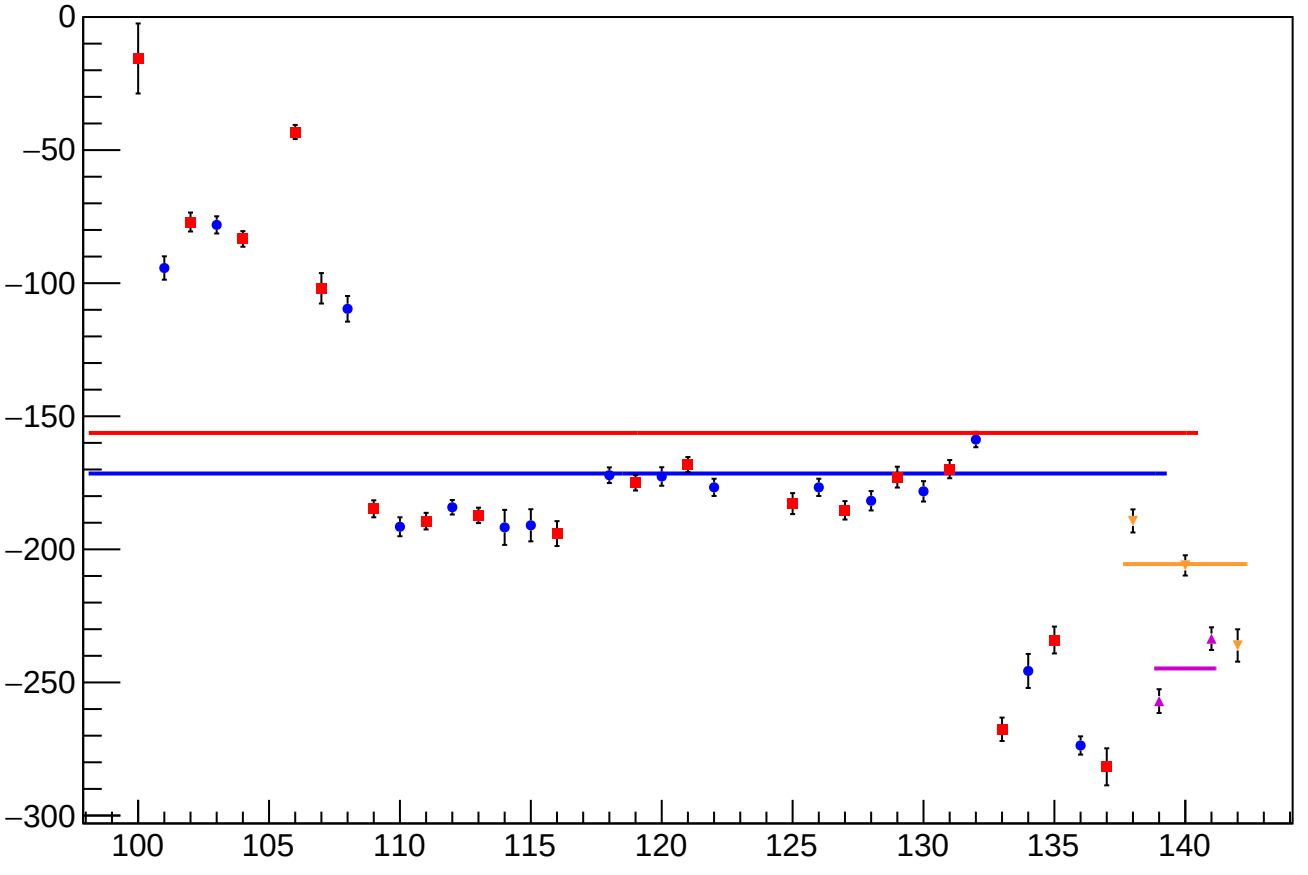
Left: -19.132+/-1.672 χ^2/NDF: 56.8/4

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.208+/-0.777 χ^2/NDF:228.7/17

Out: -3.251+/-0.733 χ^2/NDF:188.7/20

All: -3.231+/-0.533 χ^2/NDF: 417.4/38



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -205.540+/-2.589 χ^2/NDF:39.3/2

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -244.748+/-3.083 χ^2/NDF:14.4/1

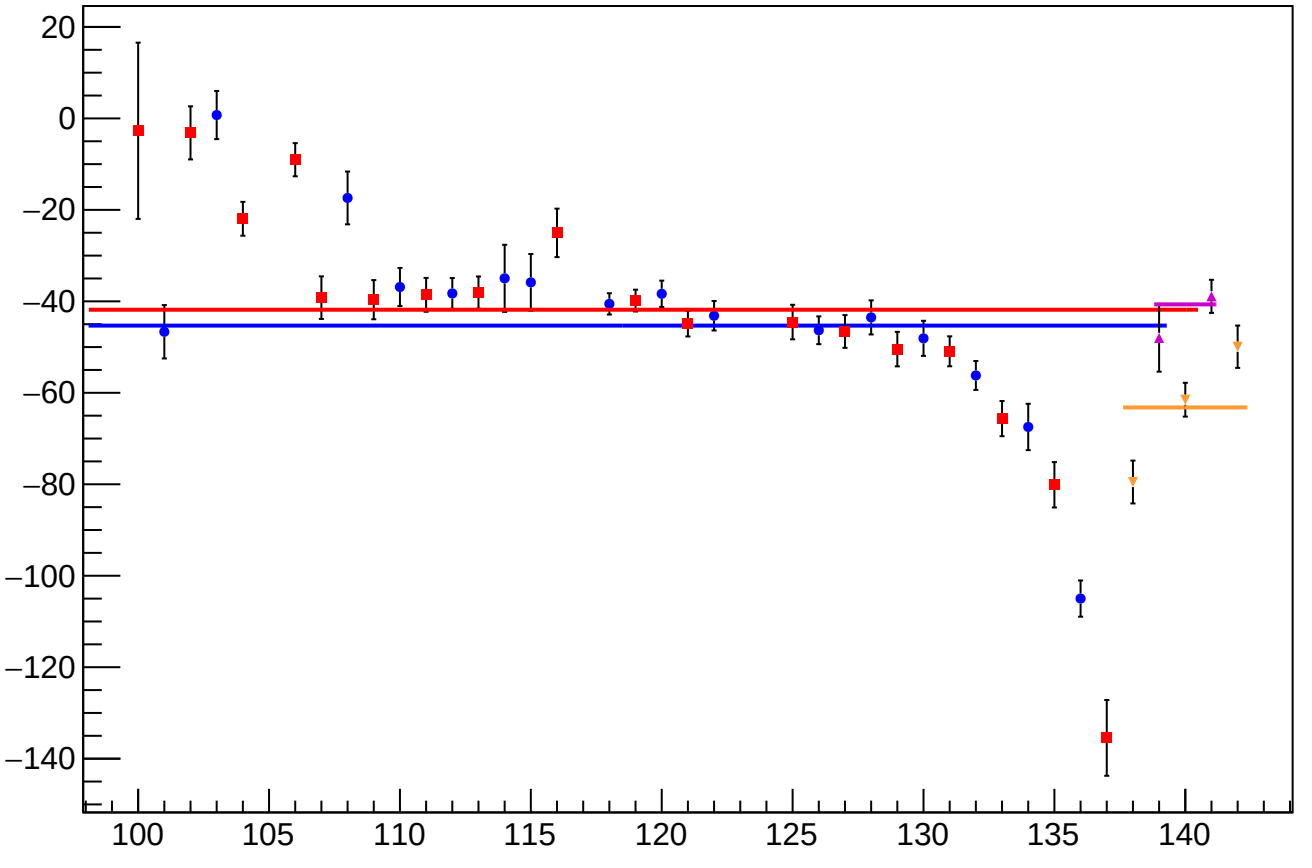
Left: -221.752+/-1.983 χ^2/NDF: 148.5/4

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

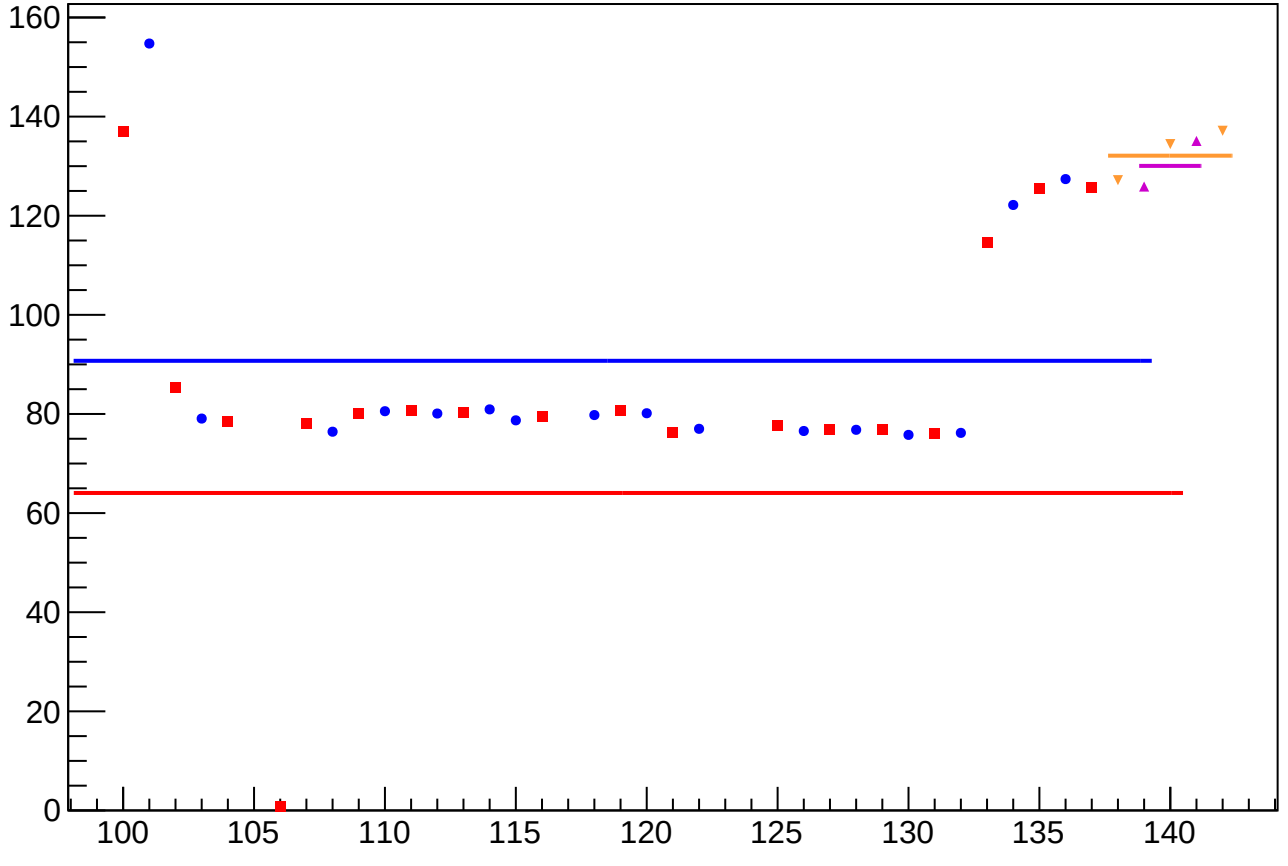
In: -177.337+/-0.870 χ^2/NDF:2976.6/17

Out: -161.028+/-0.805 χ^2/NDF:5270.9/20

All: -168.554+/-0.591 χ^2/NDF: 8436.7/38


reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
105
110
115
120
125
130
135
140
Right In: -45.304+/-0.938 χ²/NDF: 382.0/15
Left Out: -63.200+/-2.458 χ²/NDF:20.6/2
Right Out: -41.832+/-0.909 χ²/NDF: 414.2/17
Left In: -40.664+/-3.248 χ²/NDF:1.2/1
Left: -54.994+/-1.960 χ²/NDF: 52.4/4
Right: -43.515+/-0.653 χ²/NDF: 803.4/33
In: -44.947+/-0.901 χ²/NDF:385.1/17
Out: -44.405+/-0.853 χ²/NDF:501.3/20
All: -44.661+/-0.619 χ²/NDF: 886.7/38

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: 132.115+/-0.109 χ^2/NDF:1395.6/2

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 130.055+/-0.118 χ^2/NDF:1512.6/1

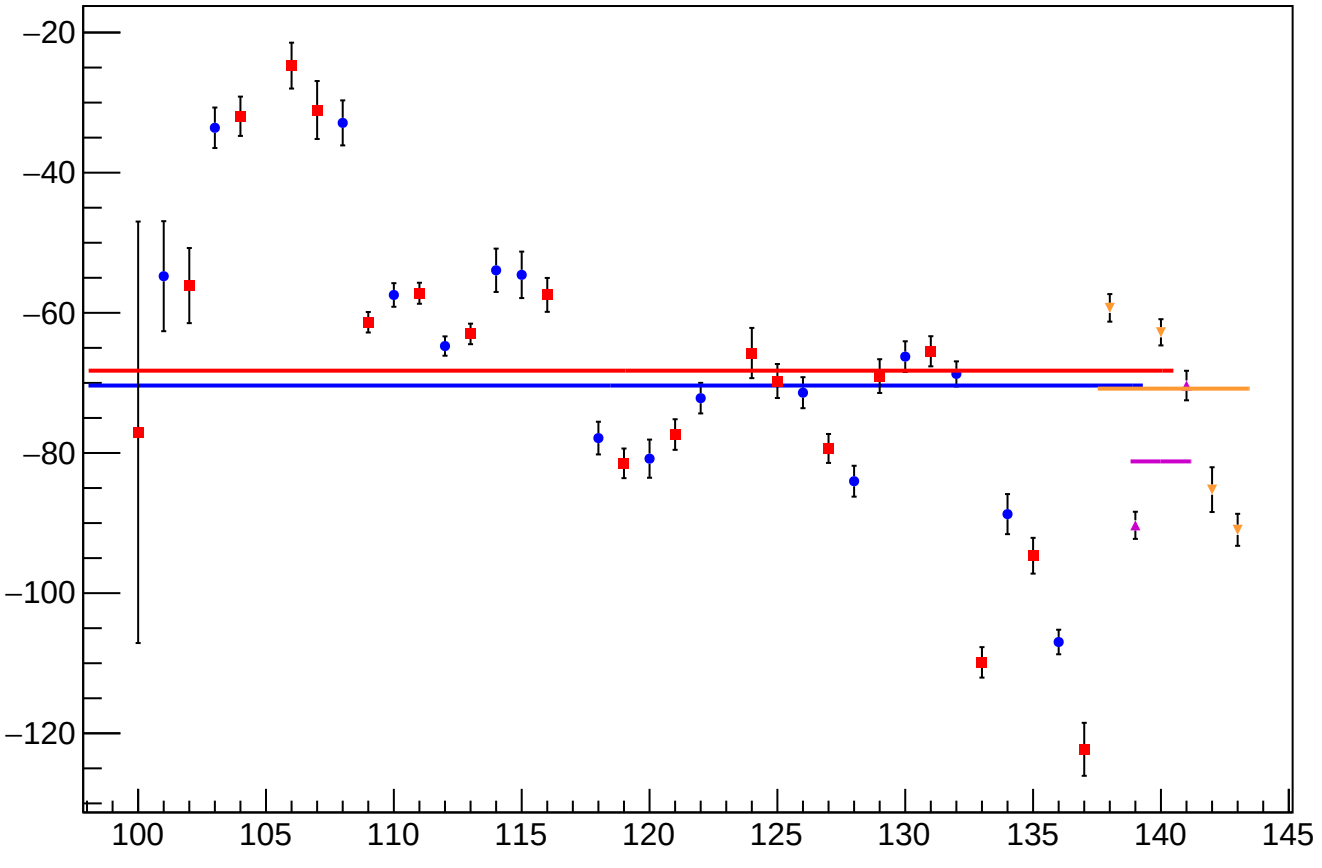
Left: 131.161+/-0.080 χ^2/NDF: 3072.5/4

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 98.506+/-0.052 χ^2/NDF:252129.3/17

Out: 75.539+/-0.045 χ^2/NDF:983844.2/20

All: 85.279+/-0.034 χ^2/NDF: 1346700.0/38



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -70.816+/-1.095 χ^2/NDF:151.0/3

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -81.202+/-1.425 χ^2/NDF:48.6/1

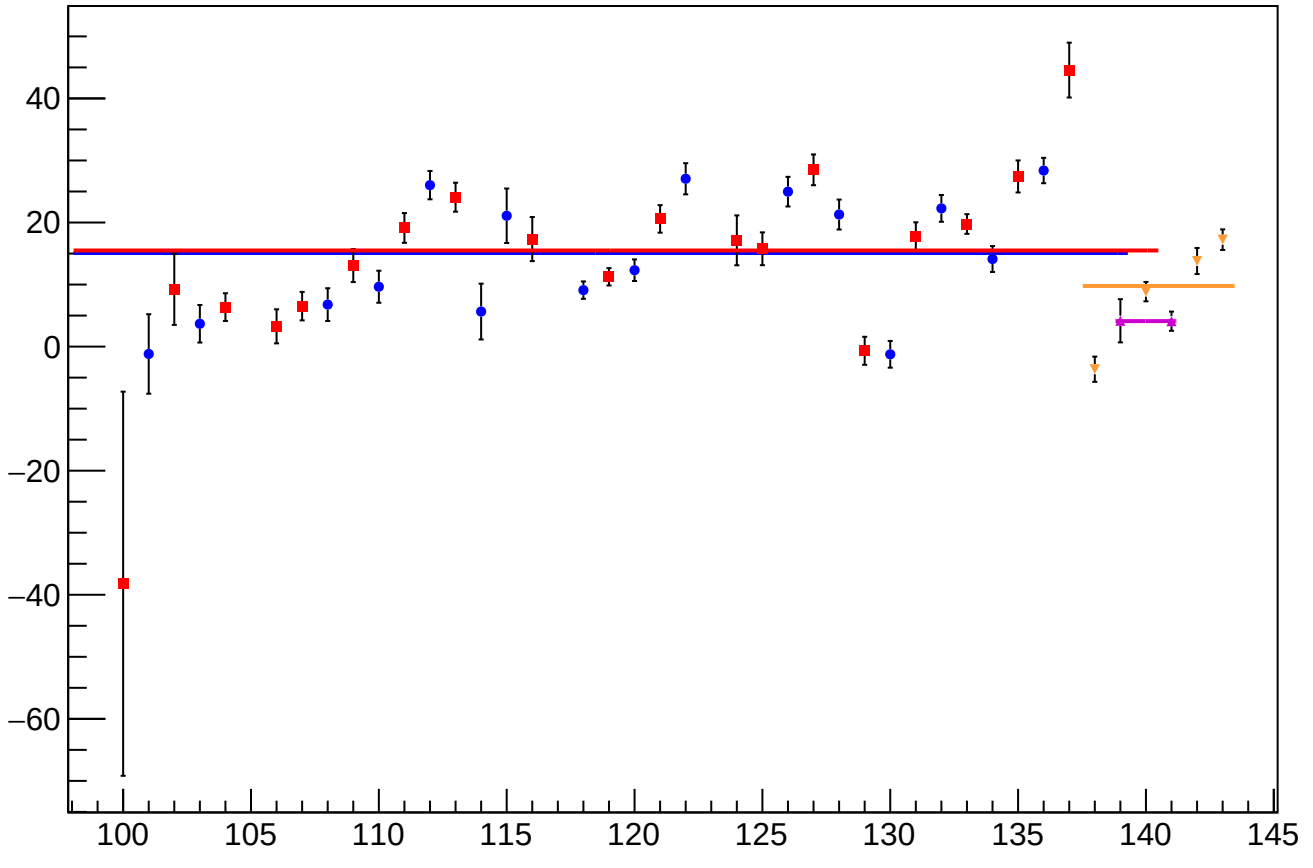
Left: -74.671+/-0.868 χ^2/NDF: 232.9/5

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -71.812+/-0.519 χ^2/NDF:1073.5/17

Out: -68.734+/-0.475 χ^2/NDF:1461.4/22

All: -70.134+/-0.350 χ^2/NDF: 2554.0/40



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.773+/-0.898 χ^2/NDF:67.8/3

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 4.107+/-1.414 χ^2/NDF:0.0/1

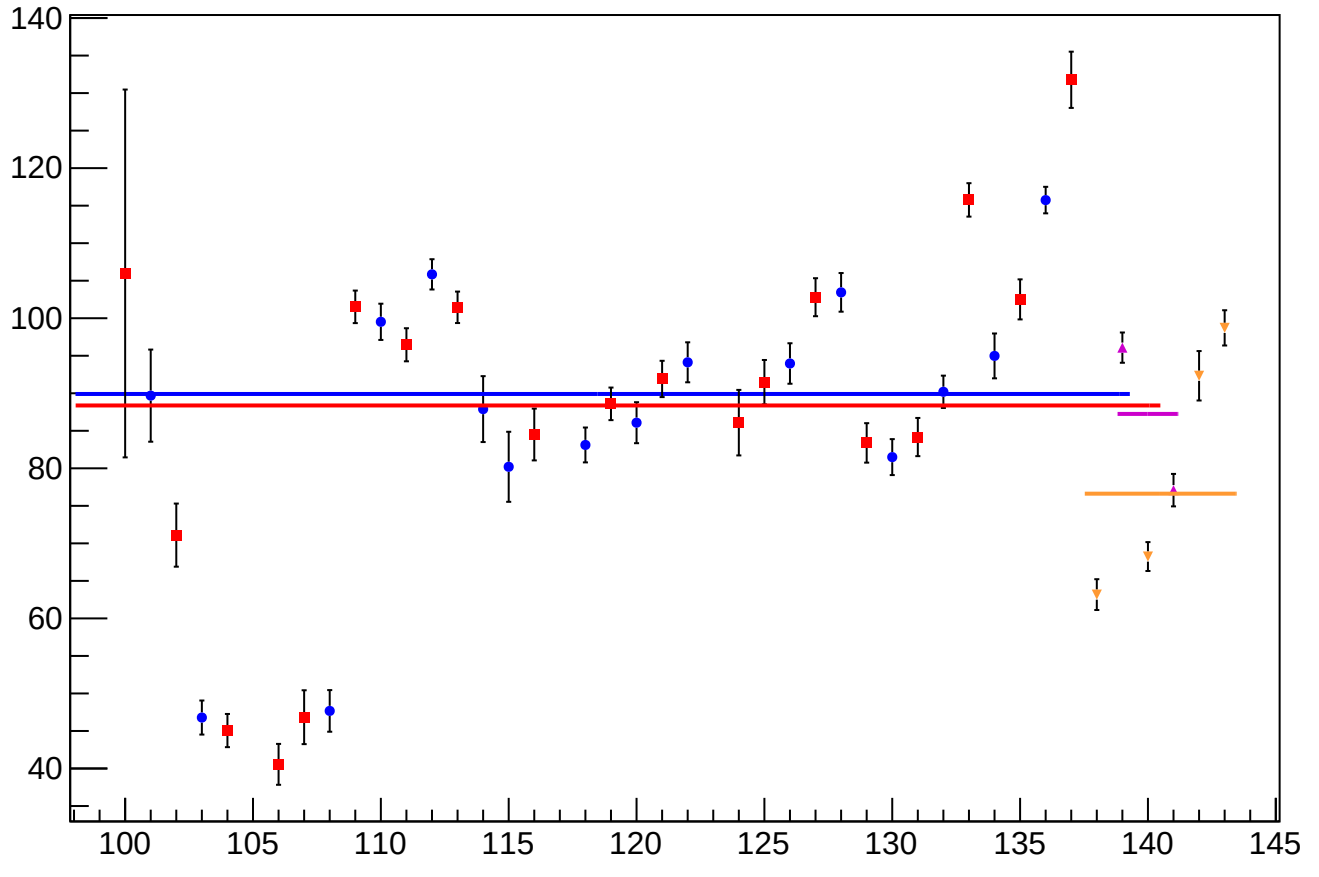
Left: 8.145+/-0.758 χ^2/NDF: 79.2/5

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 13.506+/-0.537 χ^2/NDF:294.1/17

Out: 13.897+/-0.474 χ^2/NDF:336.3/22

All: 13.726+/-0.355 χ^2/NDF: 630.7/40



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 76.622+/-1.132 χ^2/NDF:173.1/3

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 87.249+/-1.475 χ^2/NDF:41.2/1

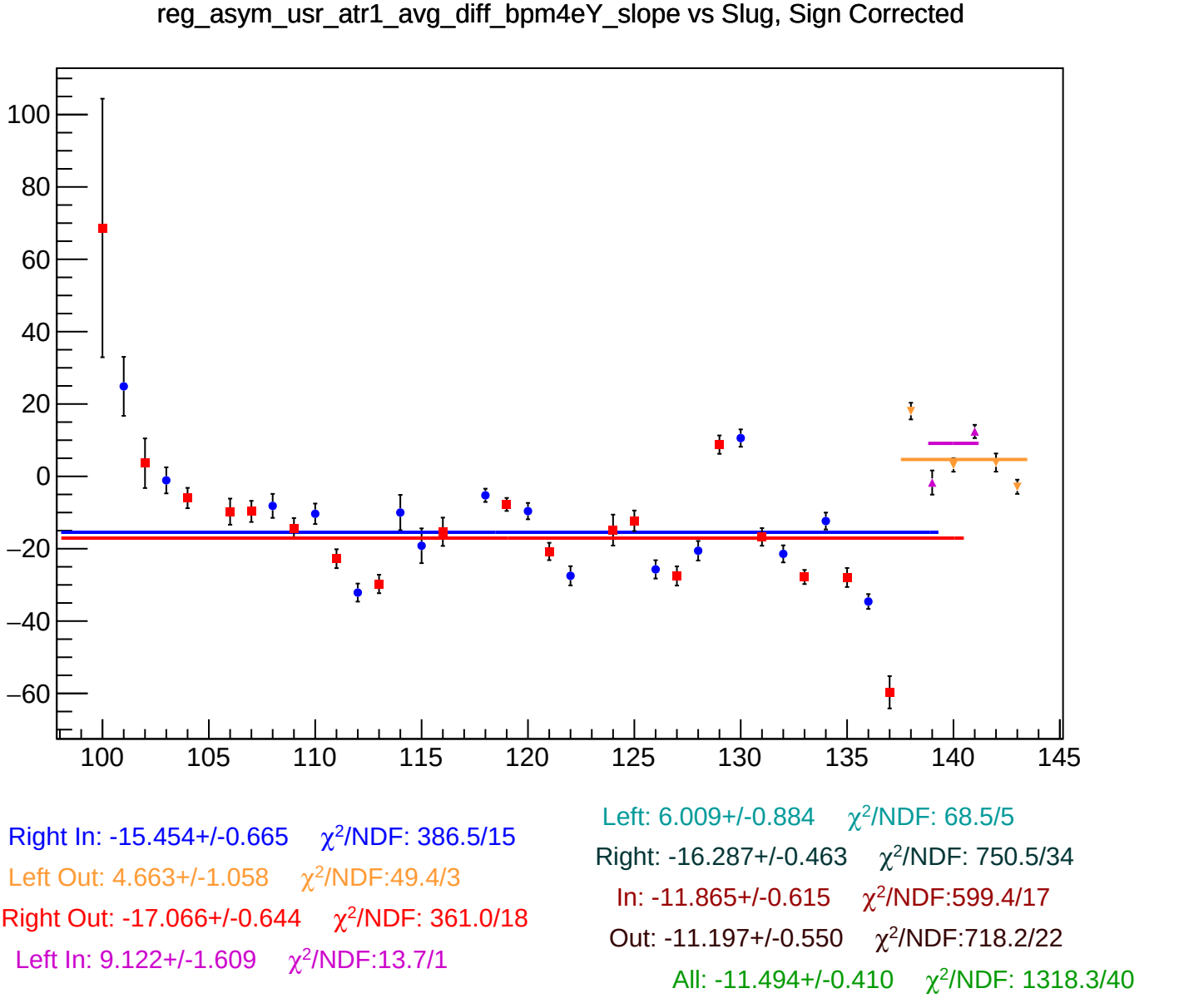
Left: 80.559+/-0.898 χ^2/NDF: 247.0/5

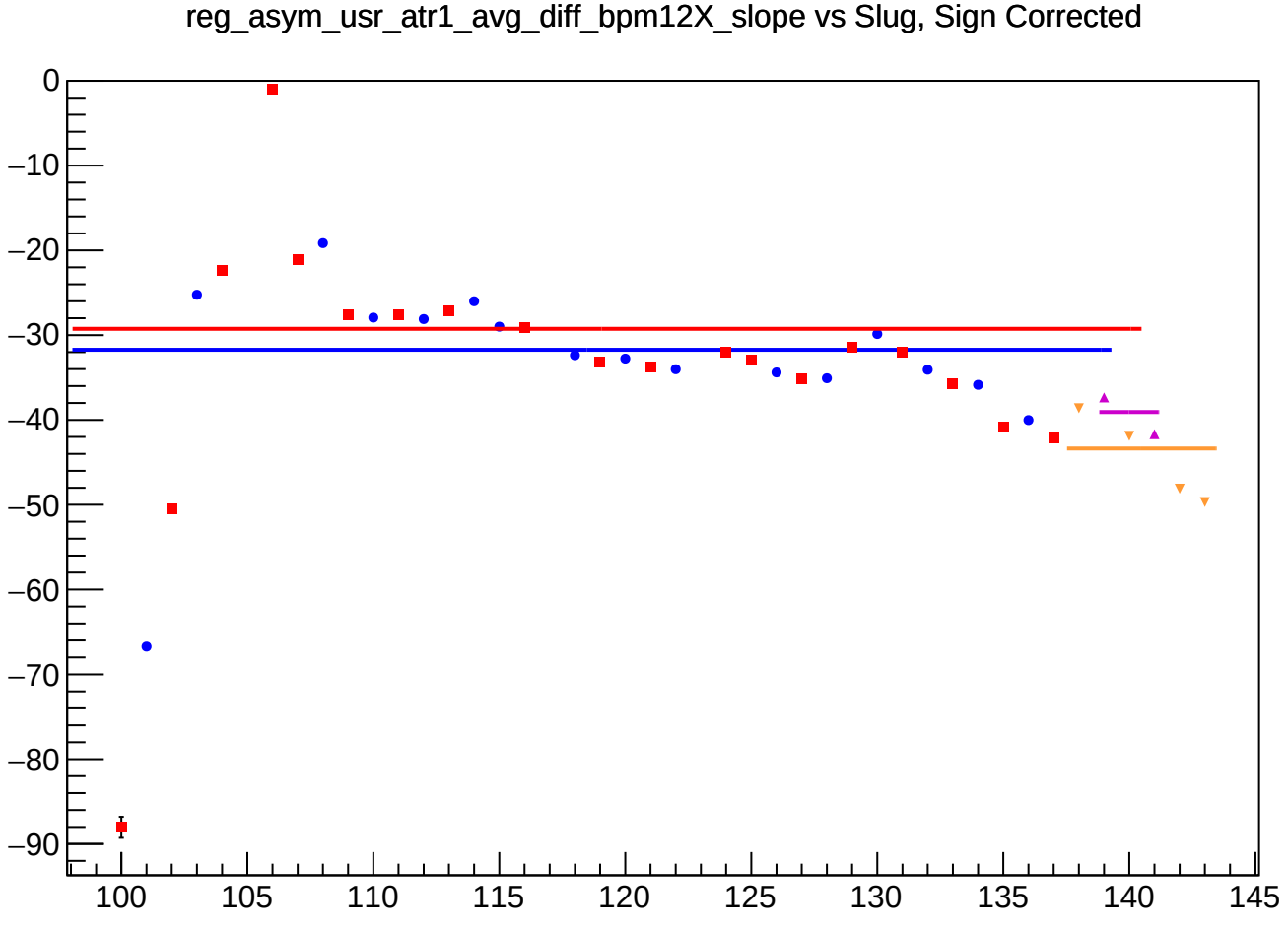
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 89.485+/-0.588 χ^2/NDF:991.7/17

Out: 85.679+/-0.542 χ^2/NDF:1545.1/22

All: 87.429+/-0.398 χ^2/NDF: 2559.4/40


reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
140
145
Right In: -15.454+/-0.665 χ2/NDF: 386.5/15
Left Out: 4.663+/-1.058 χ2/NDF:49.4/3
Right Out: -17.066+/-0.644 χ2/NDF: 361.0/18
Left In: 9.122+/-1.609 χ2/NDF:13.7/1
Left: 6.009+/-0.884 χ2/NDF: 68.5/5
Right: -16.287+/-0.463 χ2/NDF: 750.5/34
In: -11.865+/-0.615 χ2/NDF:599.4/17
Out: -11.197+/-0.550 χ2/NDF:718.2/22
All: -11.494+/-0.410 χ2/NDF: 1318.3/40



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -43.366+/-0.047 χ^2/NDF:9143.3/3

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -39.067+/-0.056 χ^2/NDF:1447.0/1

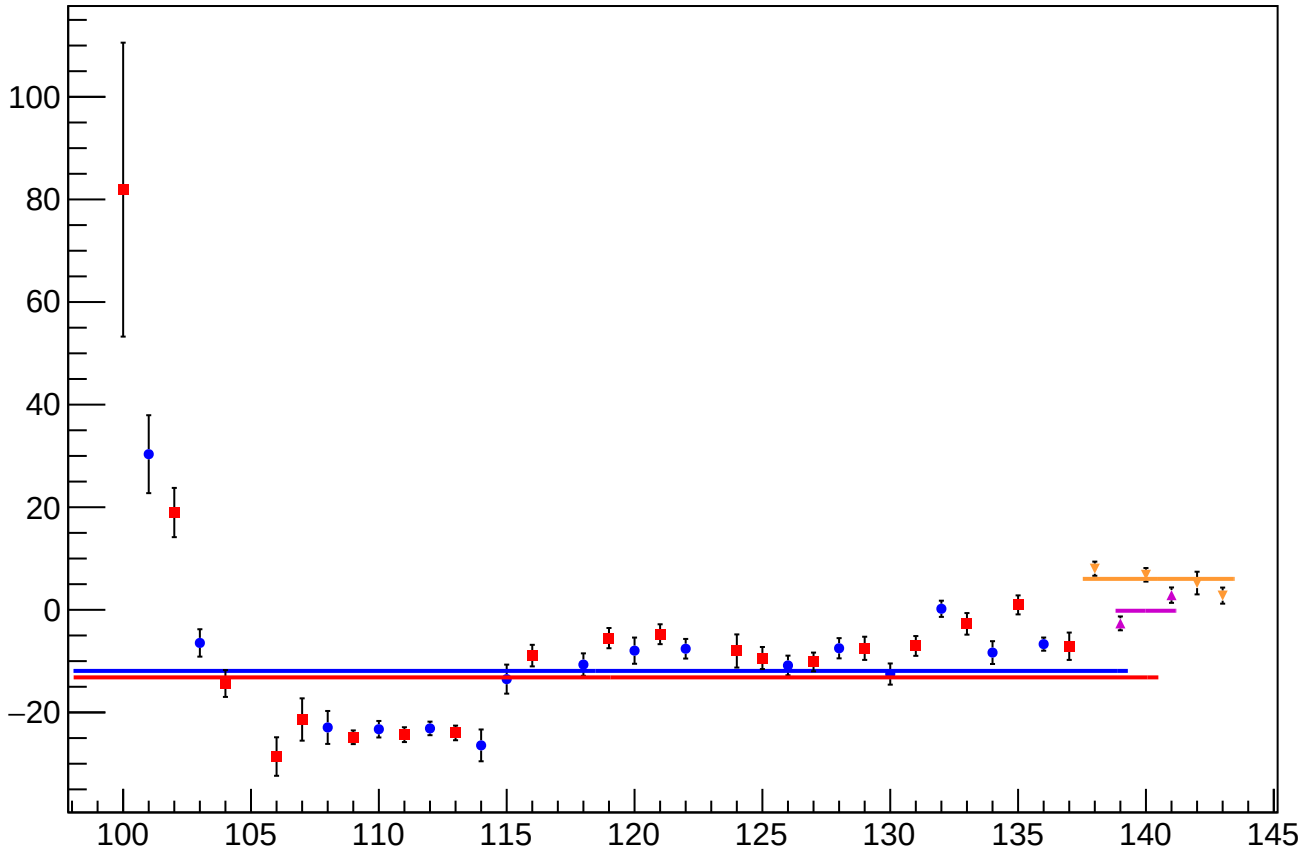
Left: -41.569+/-0.036 χ^2/NDF: 14050.6/5

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -34.097+/-0.032 χ^2/NDF:52825.7/17

Out: -34.869+/-0.030 χ^2/NDF:158106.5/22

All: -34.507+/-0.022 χ^2/NDF: 211247.4/40



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 6.034+/-0.765 χ^2/NDF:6.9/3

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: 3.753+/-0.609 χ^2/NDF: 38.5/5

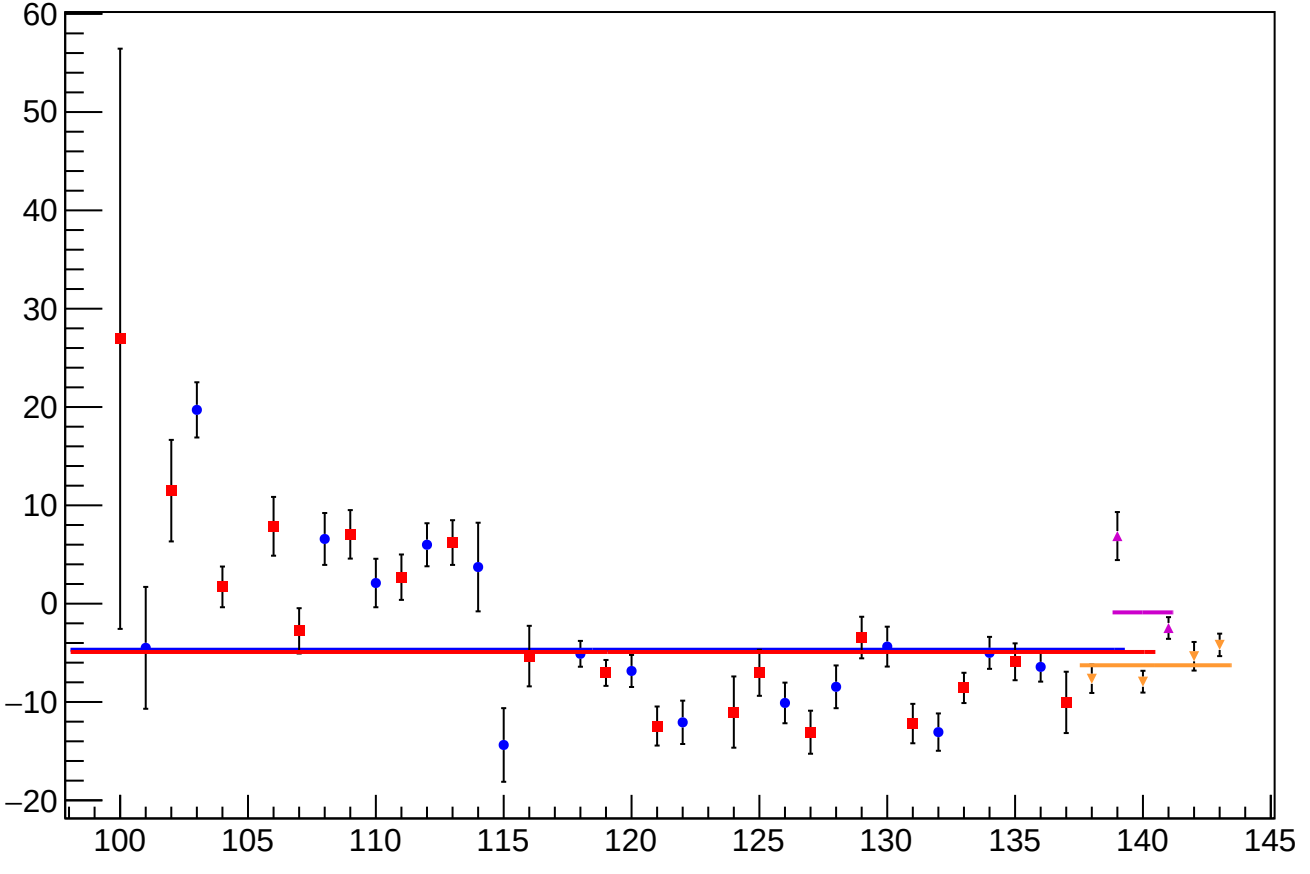
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -9.603+/-0.445 χ^2/NDF:398.9/17

Out: -7.745+/-0.407 χ^2/NDF:880.2/22

All: -8.590+/-0.300 χ^2/NDF: 1288.7/40

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: -6.266+/-0.628 χ^2/NDF:6.9/3

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -0.888+/-1.006 χ^2/NDF:12.2/1

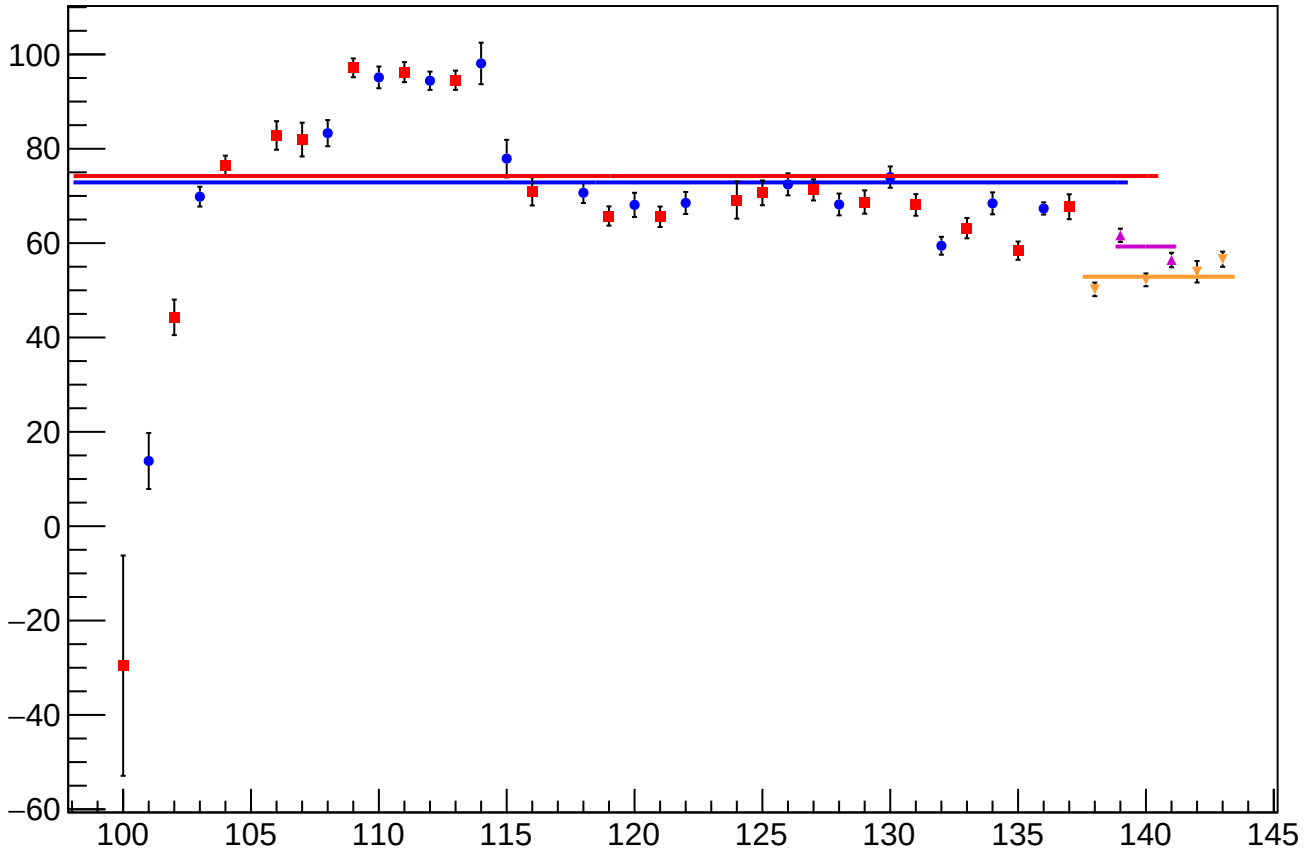
Left: -4.757+/-0.533 χ^2/NDF: 39.6/5

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.893+/-0.460 χ^2/NDF:202.5/17

Out: -5.454+/-0.397 χ^2/NDF:165.5/22

All: -4.787+/-0.301 χ^2/NDF: 374.6/40



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 52.866+/-0.791 χ^2/NDF:9.2/3

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 59.277+/-1.040 χ^2/NDF:6.3/1

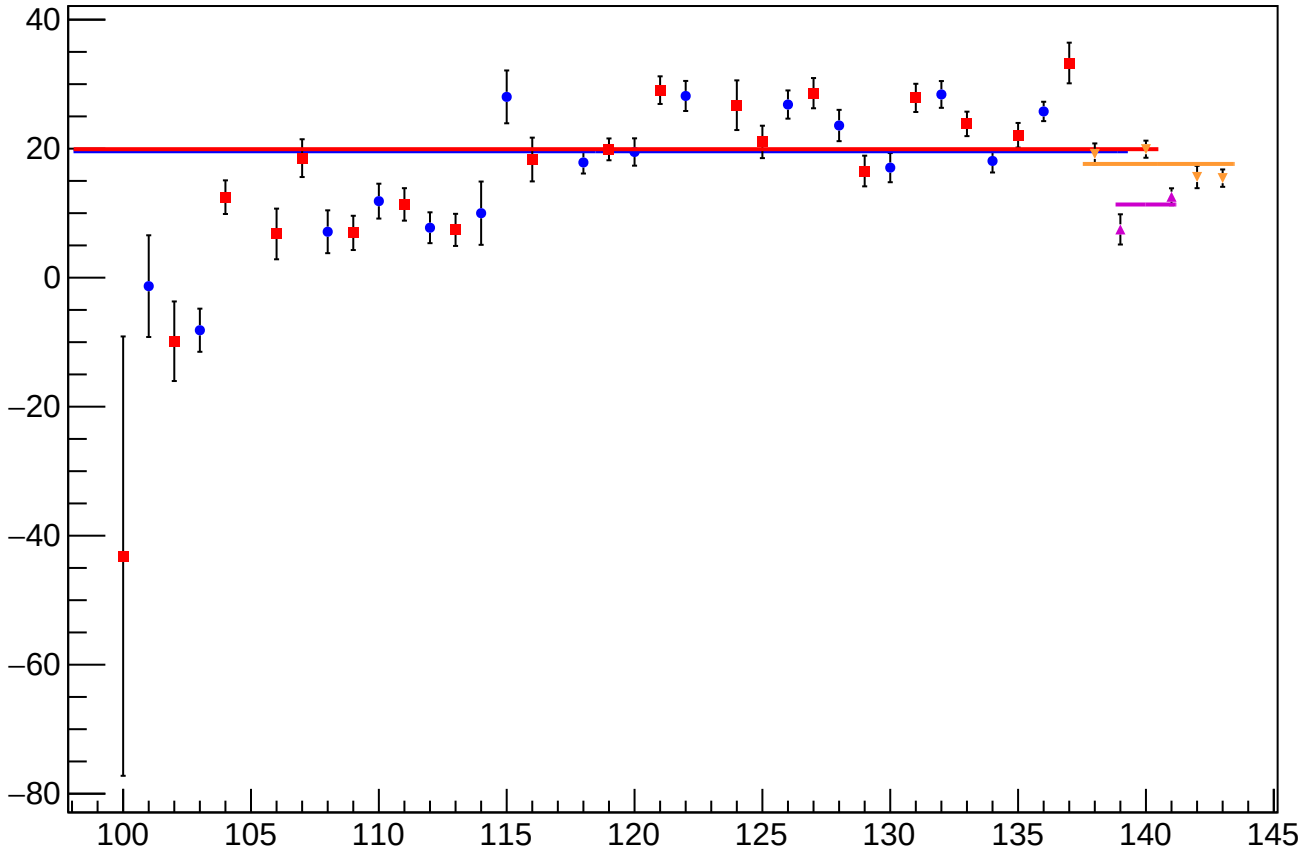
Left: 55.216+/-0.629 χ^2/NDF: 39.6/5

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.765+/-0.497 χ^2/NDF:588.8/17

Out: 67.049+/-0.458 χ^2/NDF:1079.5/22

All: 68.298+/-0.337 χ^2/NDF: 1684.5/40



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 17.632+/-0.739 χ^2/NDF:7.9/3

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 11.342+/-1.143 χ^2/NDF:3.6/1

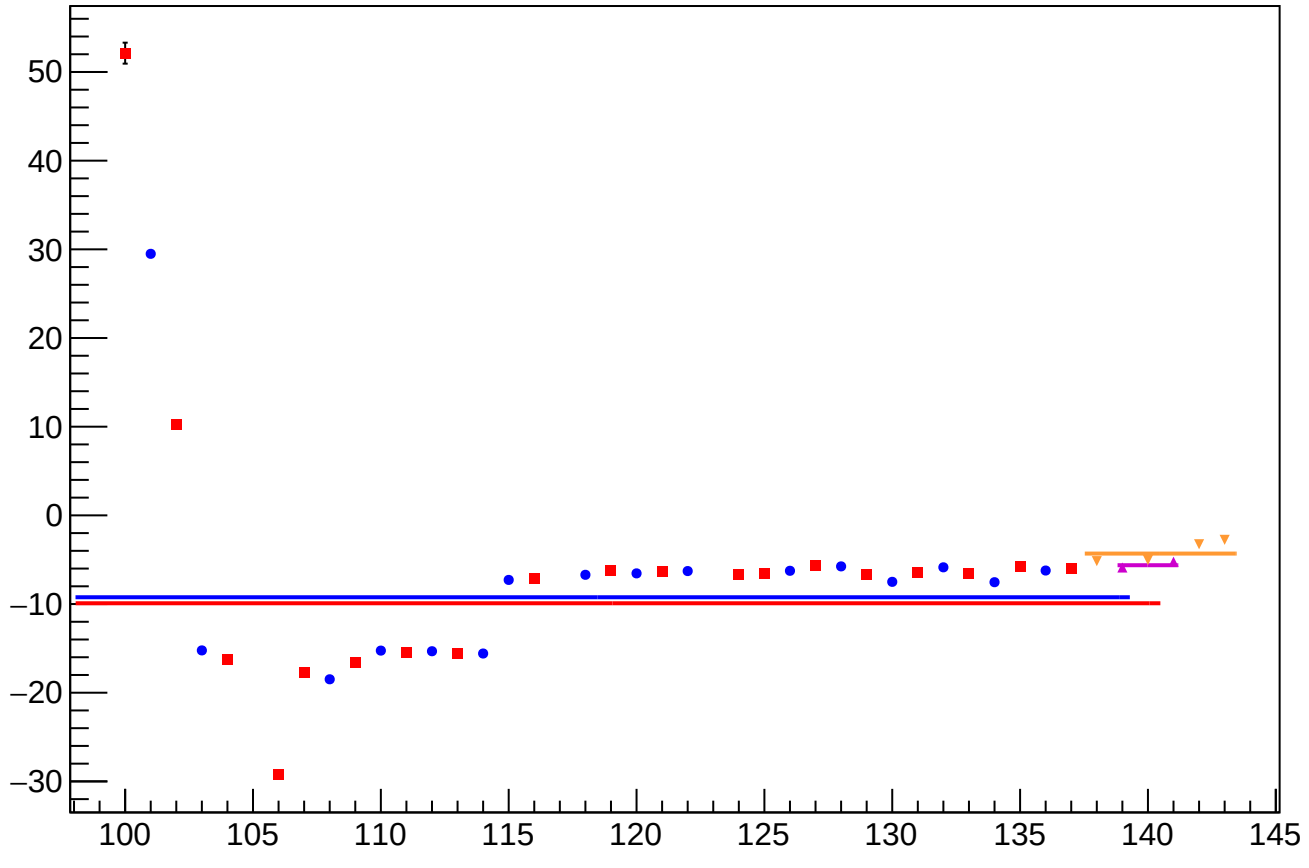
Left: 15.777+/-0.621 χ^2/NDF: 32.8/5

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.883+/-0.521 χ^2/NDF:240.9/17

Out: 19.038+/-0.459 χ^2/NDF:195.1/22

All: 18.533+/-0.344 χ^2/NDF: 438.8/40



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -4.309+/-0.033 χ^2/NDF:1036.7/3

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -5.622+/-0.039 χ^2/NDF:66.6/1

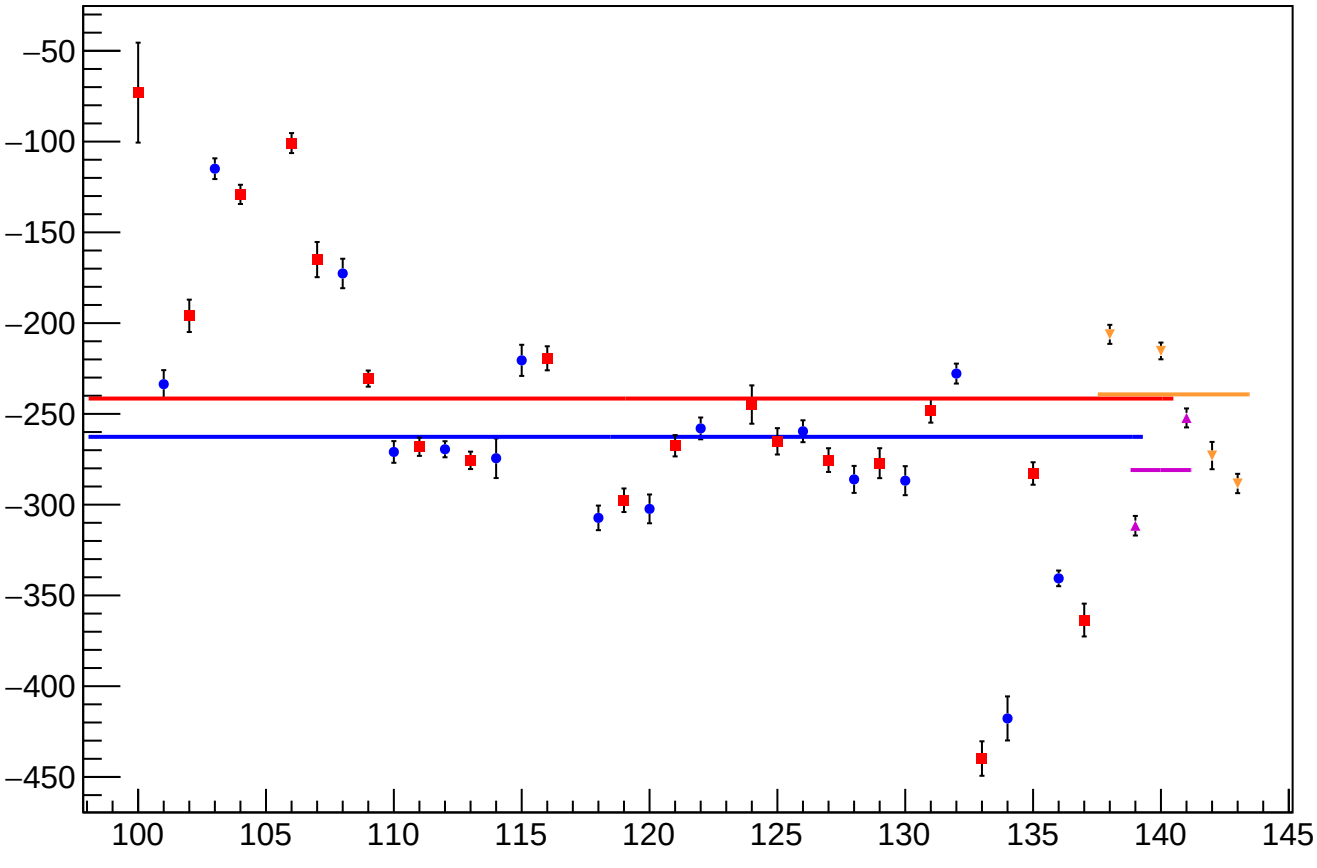
Left: -4.850+/-0.025 χ^2/NDF: 1759.7/5

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -7.749+/-0.025 χ^2/NDF:36204.1/17

Out: -6.983+/-0.024 χ^2/NDF:68745.8/22

All: -7.344+/-0.017 χ^2/NDF: 105437.6/40



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -239.257+/-2.710 χ^2/NDF:171.6/3

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -280.934+/-3.755 χ^2/NDF:62.5/1

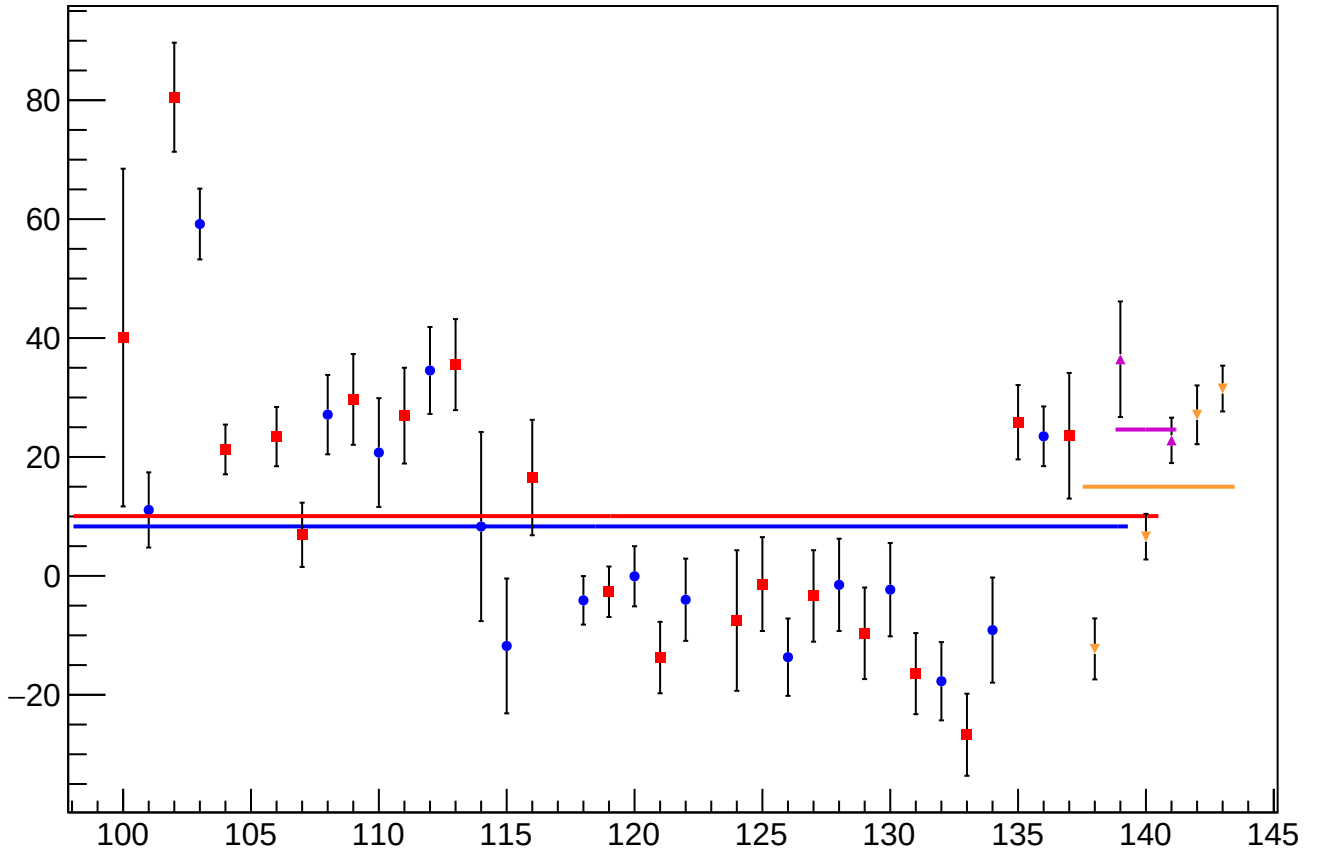
Left: -253.527+/-2.197 χ^2/NDF: 315.1/5

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.495+/-1.483 χ^2/NDF:1536.8/17

Out: -241.007+/-1.316 χ^2/NDF:2310.7/22

All: -251.802+/-0.984 χ^2/NDF: 4000.0/40



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 15.000+/-2.159 χ^2/NDF:57.5/3

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: 17.593+/-1.845 χ^2/NDF: 64.5/5

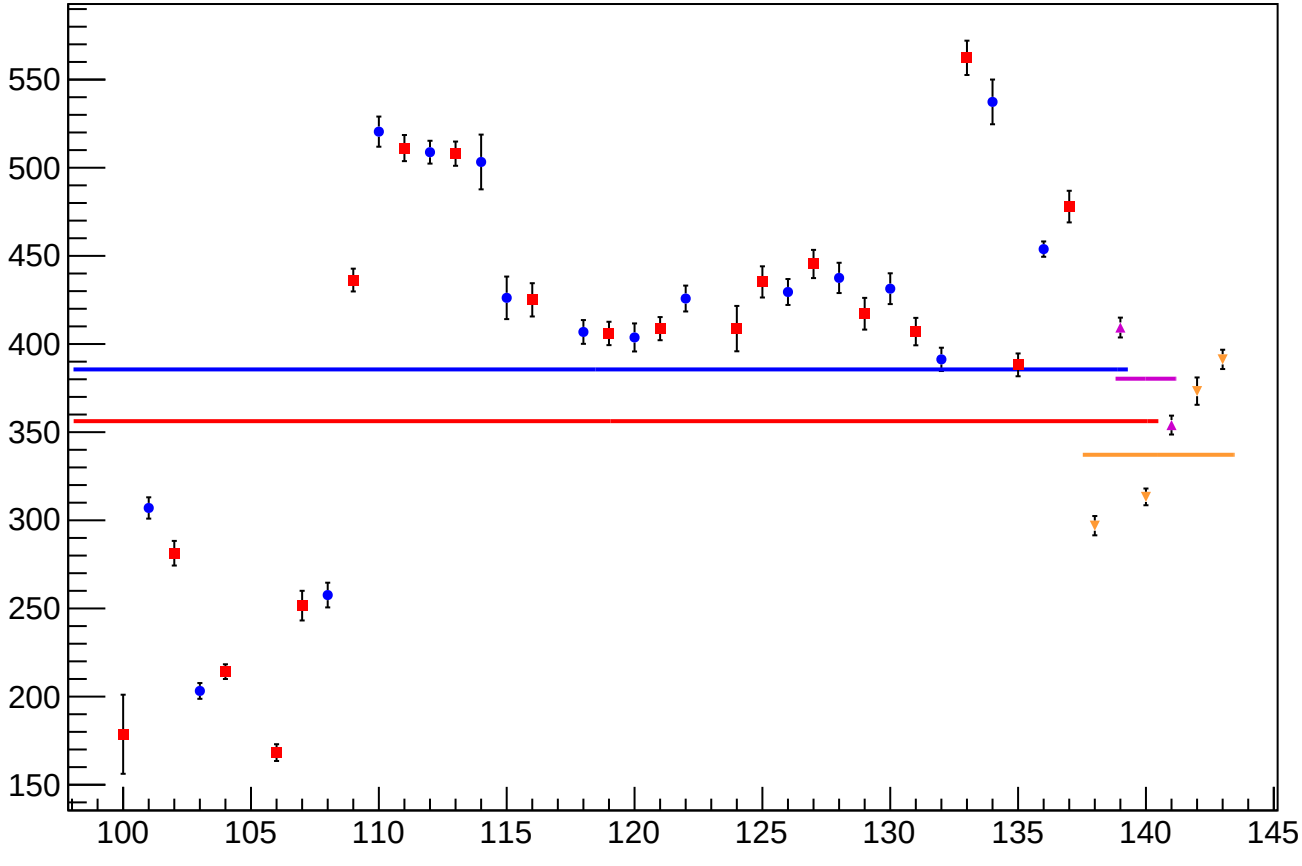
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 11.193+/-1.492 χ^2/NDF:176.7/17

Out: 11.719+/-1.253 χ^2/NDF:248.4/22

All: 11.501+/-0.960 χ^2/NDF: 425.1/40

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: 337.177+/-2.798 χ^2/NDF:198.6/3

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 380.327+/-3.882 χ^2/NDF:50.7/1

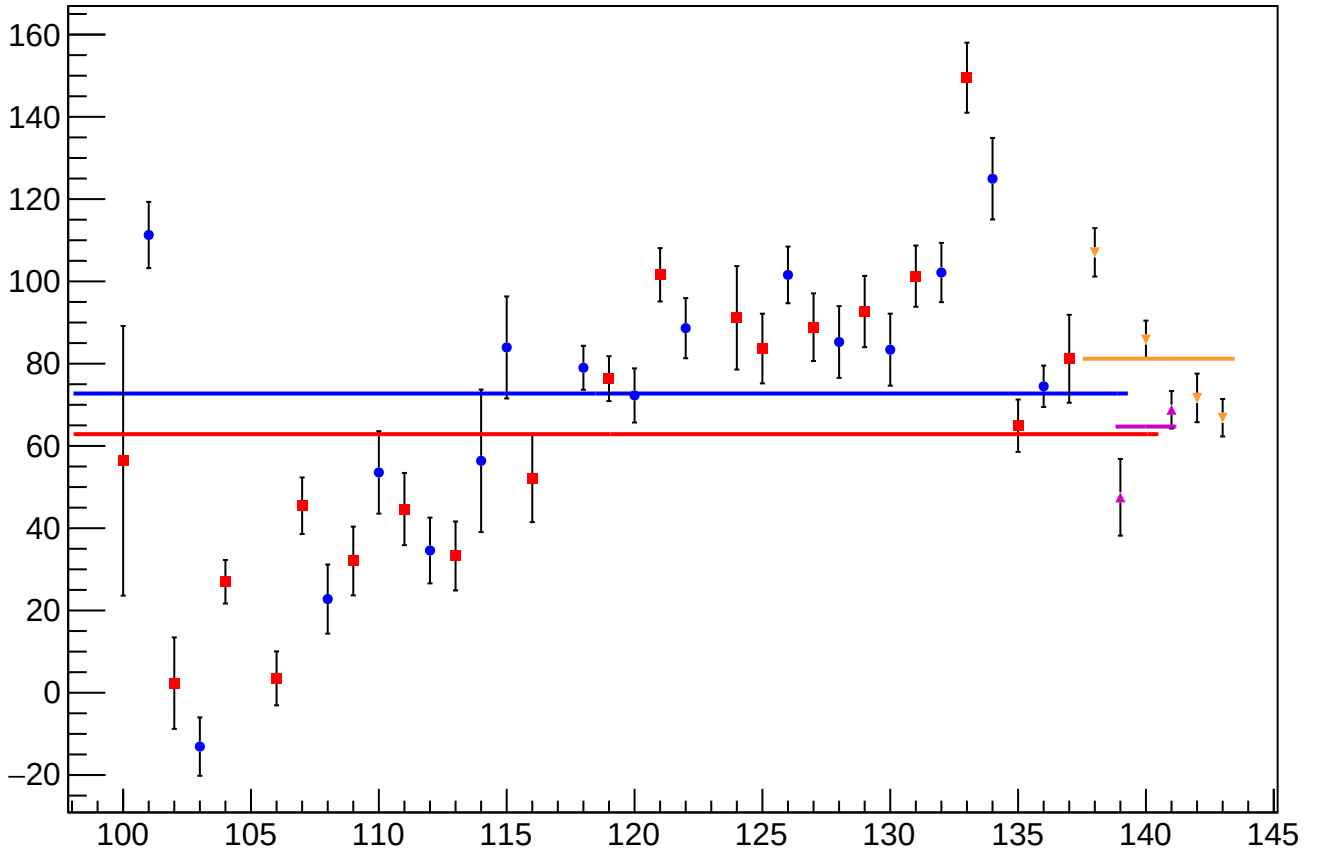
Left: 351.930+/-2.270 χ^2/NDF: 330.6/5

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 384.708+/-1.589 χ^2/NDF:3425.3/17

Out: 351.340+/-1.419 χ^2/NDF:5503.4/22

All: 366.139+/-1.059 χ^2/NDF: 9173.9/40



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 81.206+/-2.560 χ^2/NDF:32.8/3

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 64.712+/-4.085 χ^2/NDF:4.2/1

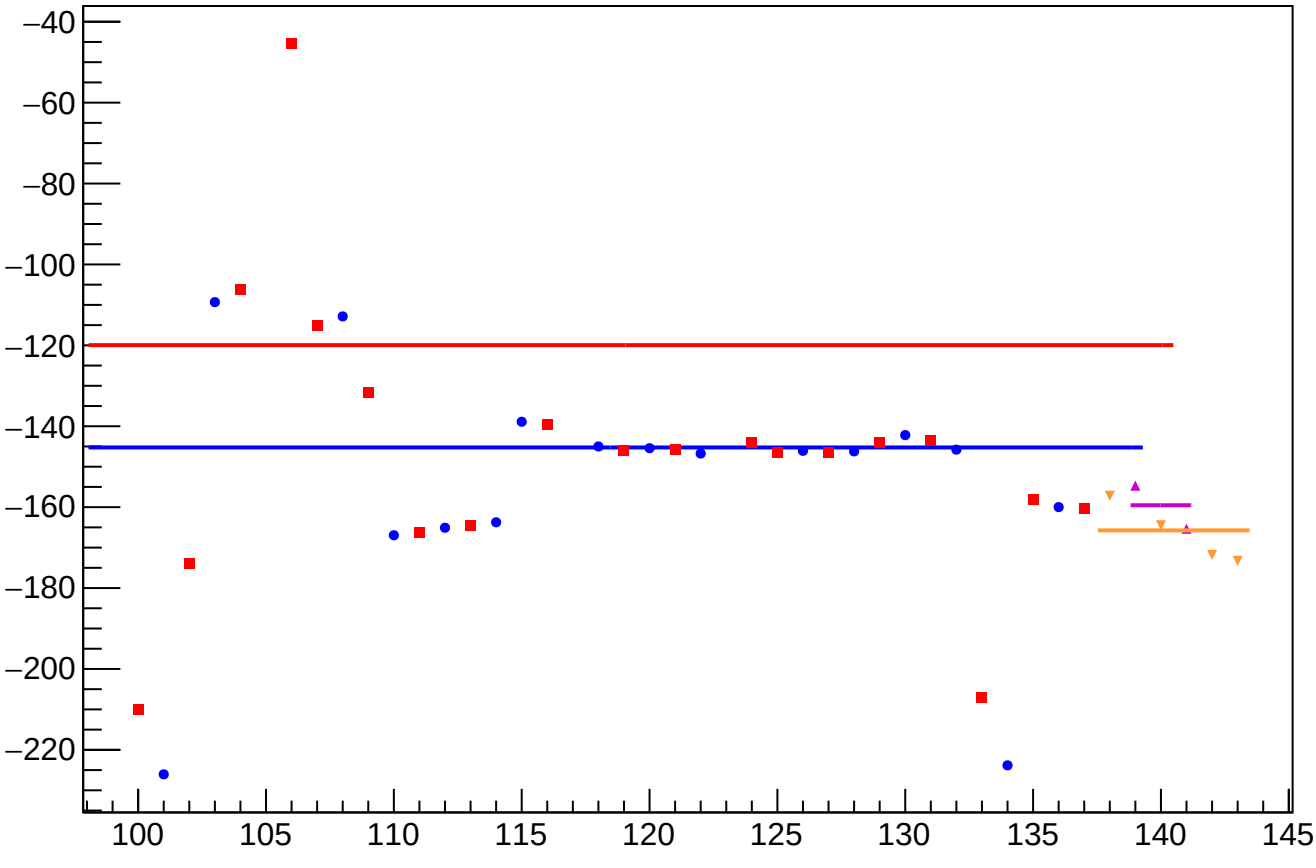
Left: 76.556+/-2.169 χ^2/NDF: 48.7/5

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 71.316+/-1.720 χ^2/NDF:311.7/17

Out: 68.908+/-1.470 χ^2/NDF:470.8/22

All: 69.924+/-1.117 χ^2/NDF: 783.6/40



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -165.744+/-0.118 χ^2/NDF:2994.5/3

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -159.528+/-0.148 χ^2/NDF:1277.3/1

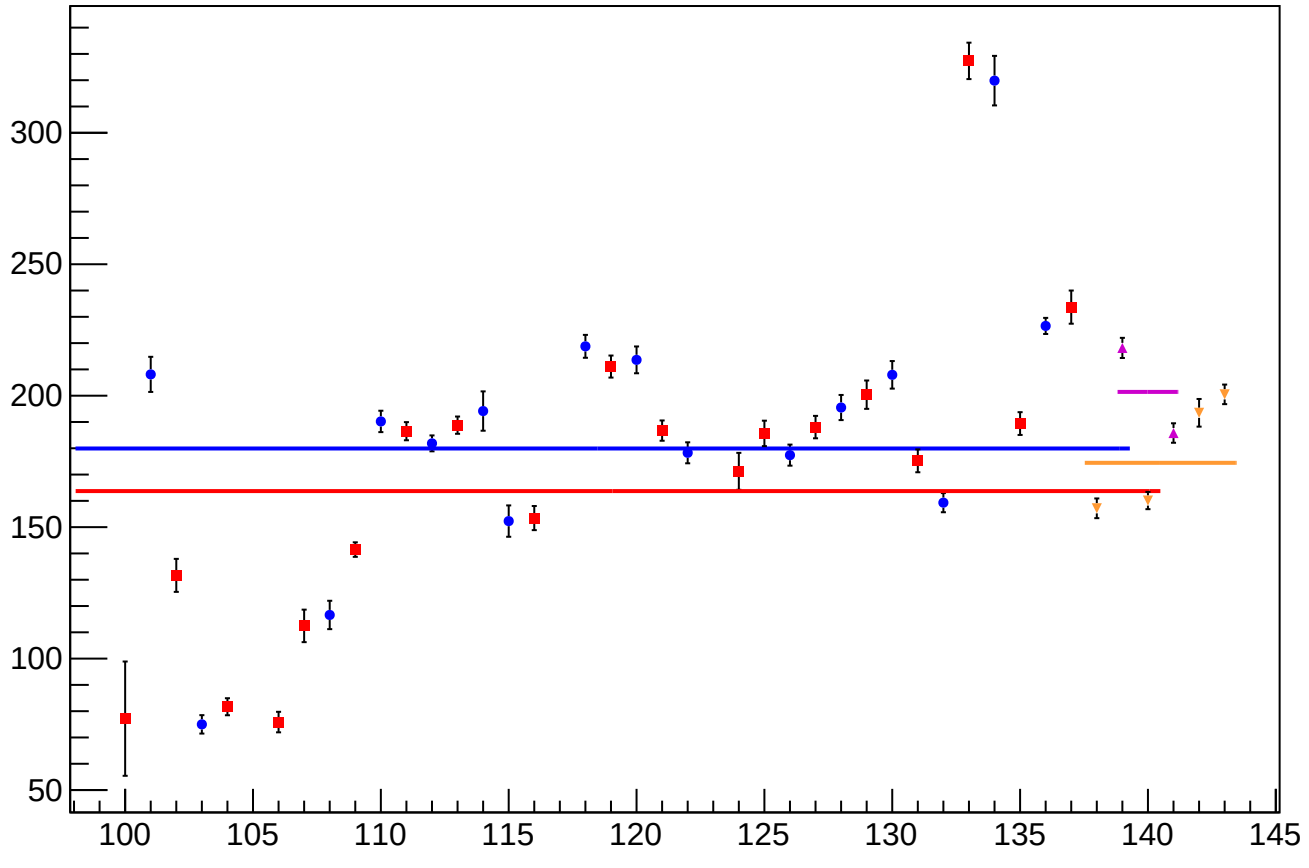
Left: -163.337+/-0.092 χ^2/NDF: 5347.6/5

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -149.606+/-0.082 χ^2/NDF:139772.8/17

Out: -136.559+/-0.071 χ^2/NDF:369458.0/22

All: -142.154+/-0.054 χ^2/NDF: 523701.8/40



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 174.468+/-1.916 χ^2/NDF:102.5/3

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 201.443+/-2.663 χ^2/NDF:36.9/1

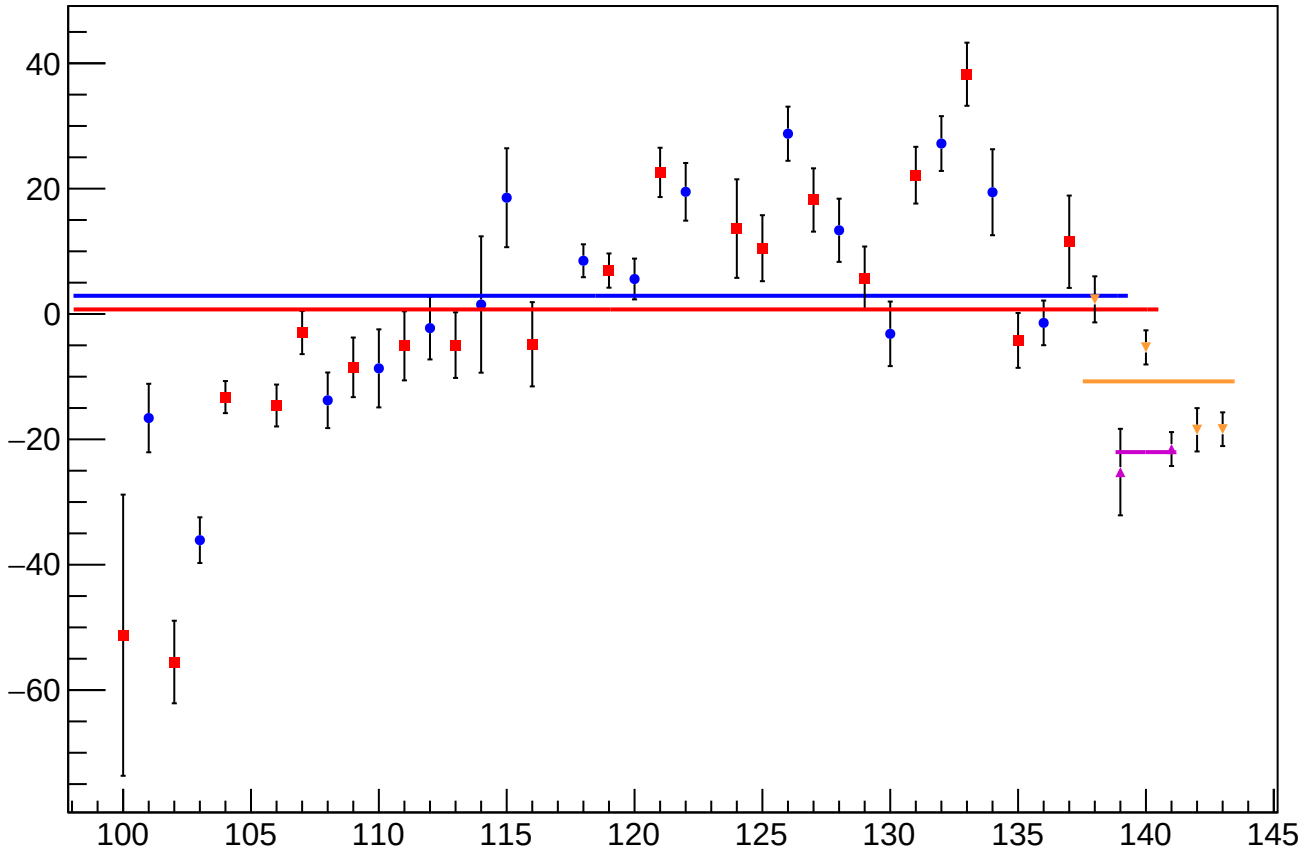
Left: 183.667+/-1.555 χ^2/NDF: 207.0/5

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 183.000+/-1.008 χ^2/NDF:1825.6/17

Out: 166.023+/-0.887 χ^2/NDF:2544.0/22

All: 173.435+/-0.666 χ^2/NDF: 4529.5/40



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.750+/-1.524 χ^2/NDF:29.7/3

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -22.036+/-2.520 χ^2/NDF:0.2/1

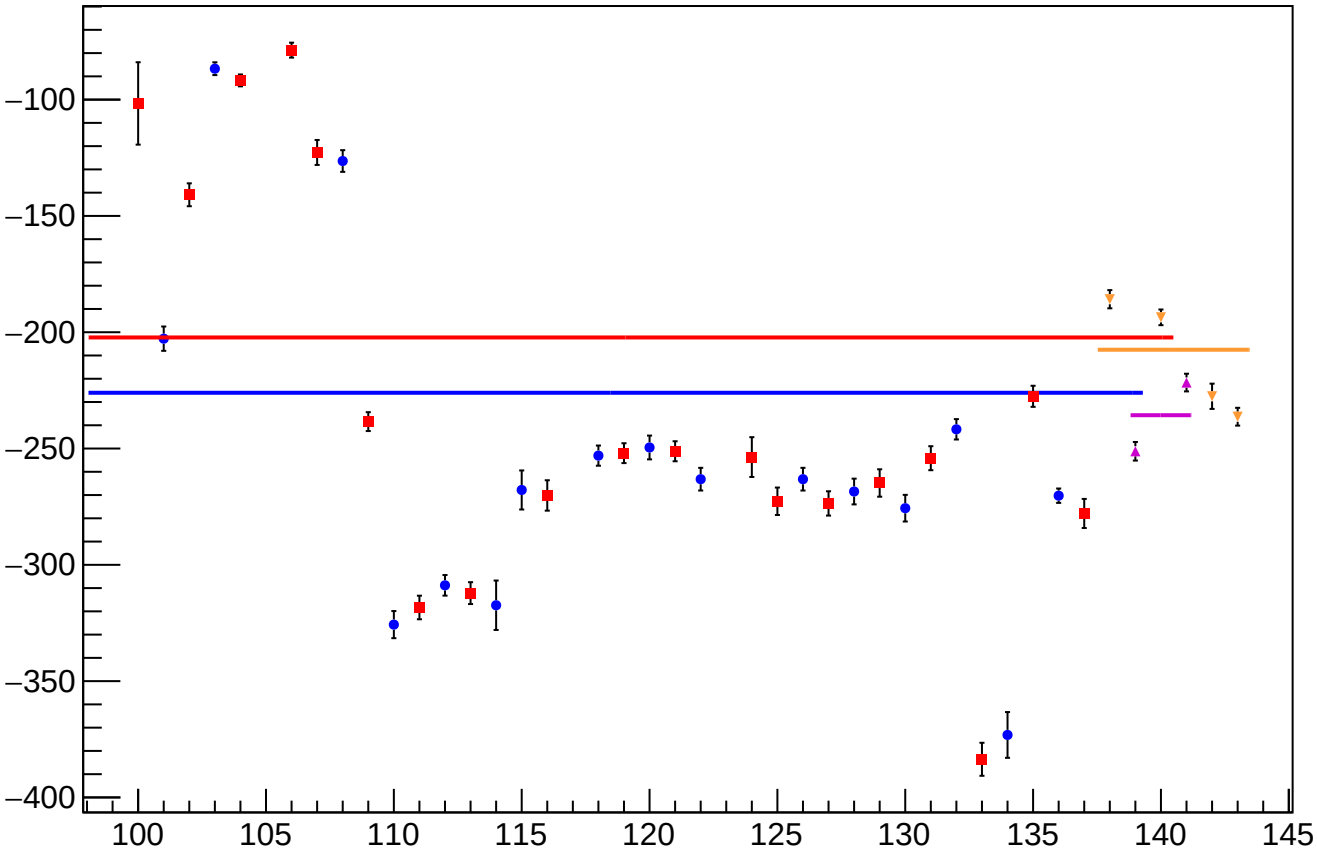
Left: -13.772+/-1.304 χ^2/NDF: 44.6/5

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.114+/-1.012 χ^2/NDF:329.9/17

Out: -2.786+/-0.843 χ^2/NDF:342.7/22

All: -2.100+/-0.648 χ^2/NDF: 674.2/40



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -207.525+/-1.978 χ^2/NDF:118.1/3

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: -217.111+/-1.606 χ^2/NDF: 215.8/5

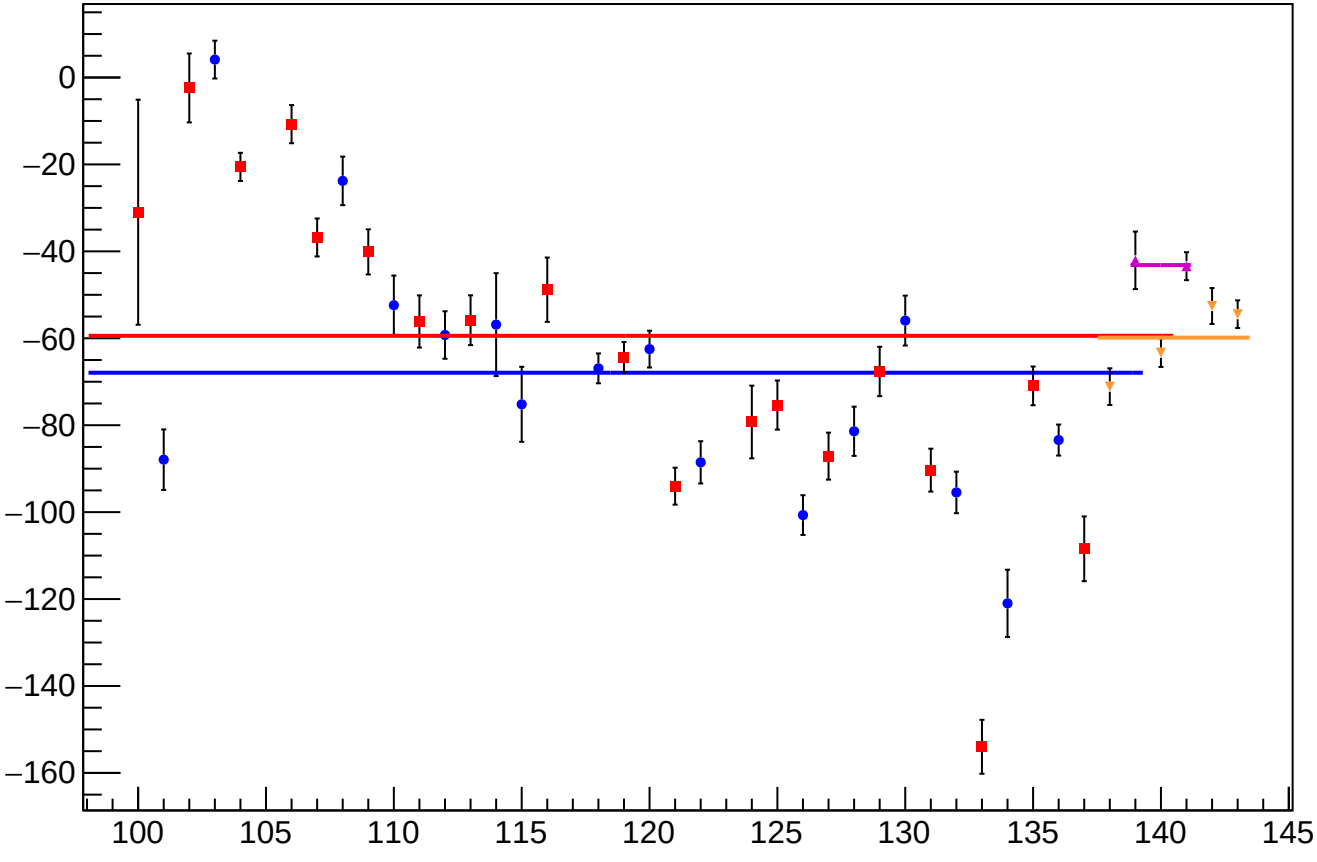
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -227.515+/-1.081 χ^2/NDF:4578.2/17

Out: -203.472+/-0.953 χ^2/NDF:6814.3/22

All: -213.985+/-0.715 χ^2/NDF: 11671.1/40

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -59.850+/-1.806 χ^2/NDF:14.2/3

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: -55.177+/-1.533 χ^2/NDF: 38.2/5

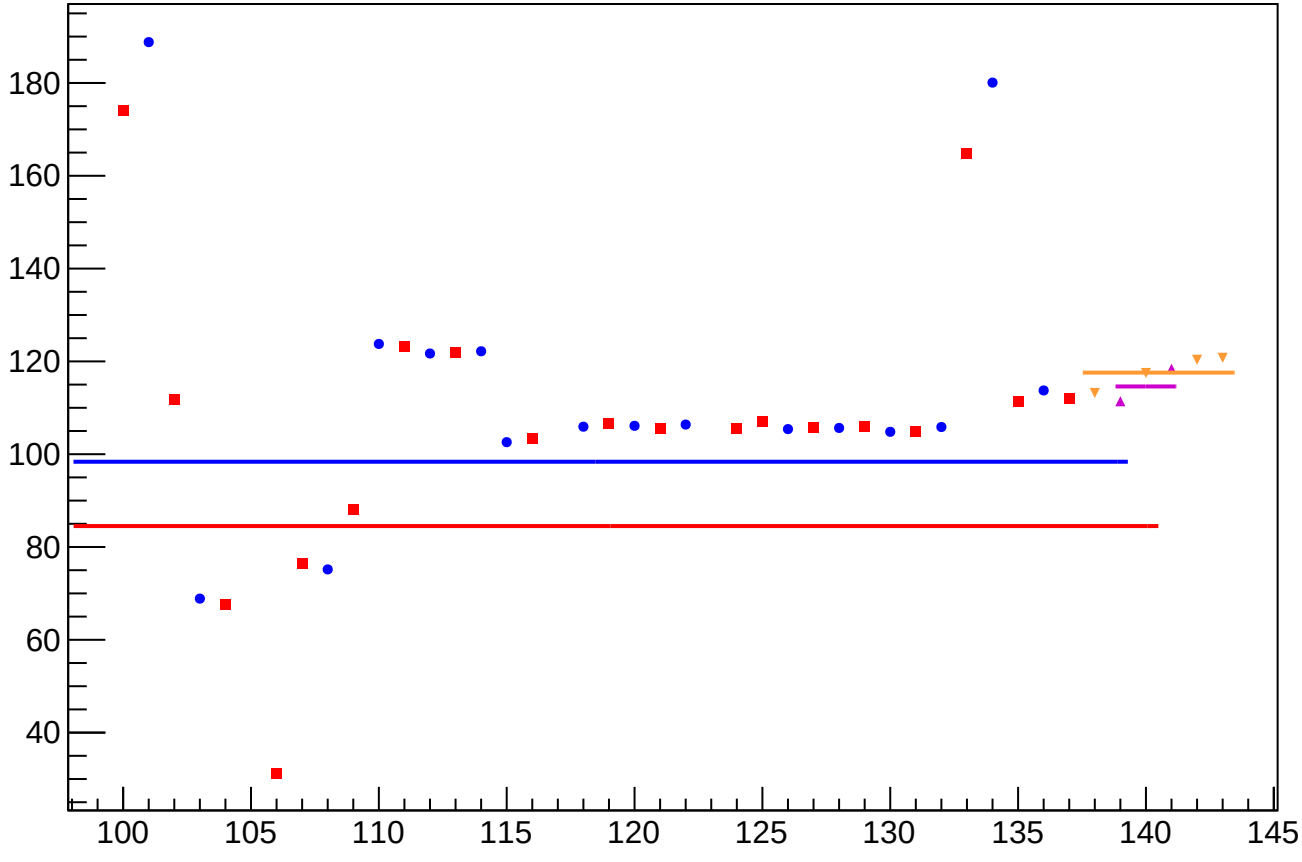
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -63.891+/-1.169 χ^2/NDF:595.3/17

Out: -59.555+/-0.990 χ^2/NDF:809.1/22

All: -61.366+/-0.756 χ^2/NDF: 1412.4/40

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: 117.584+/-0.083 χ^2/NDF:1332.7/3

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 114.601+/-0.105 χ^2/NDF:1098.0/1

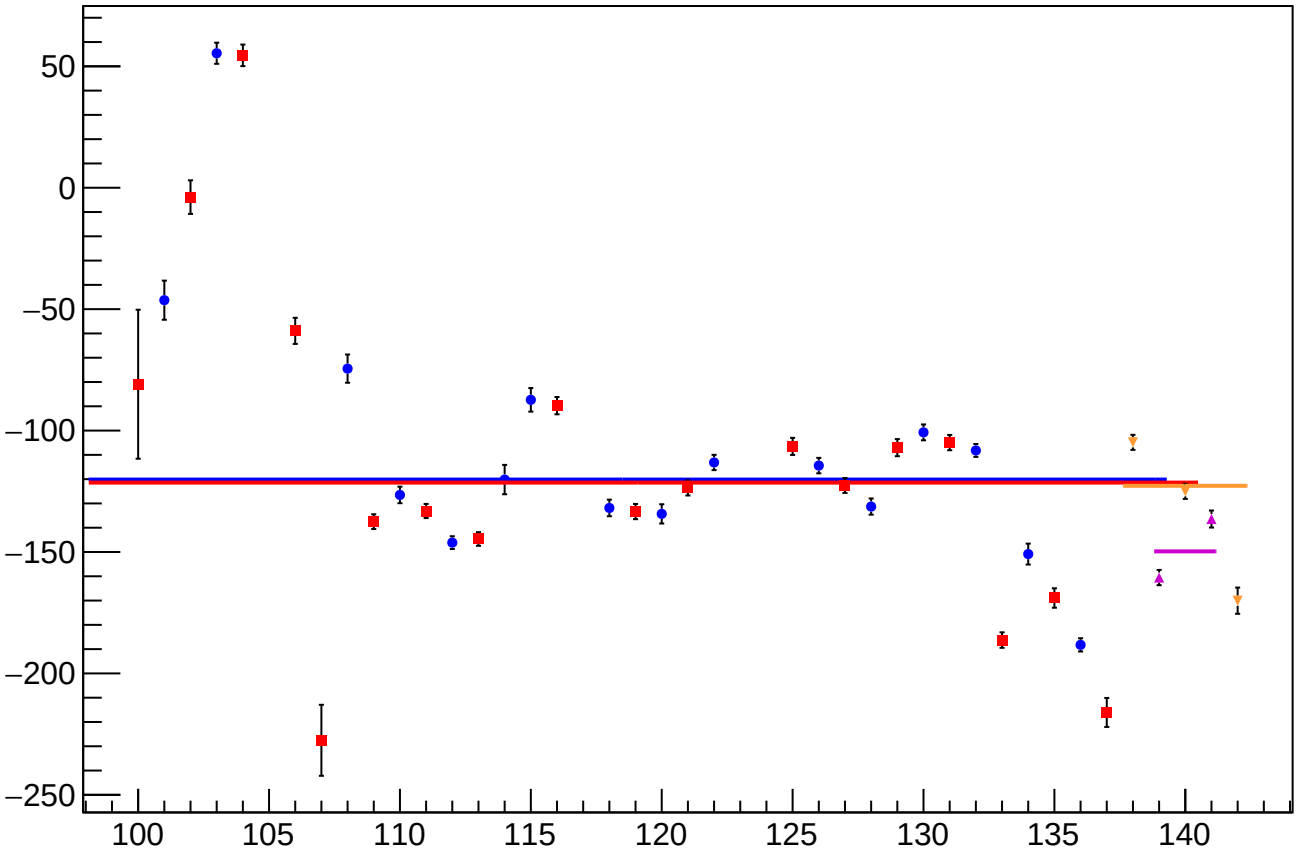
Left: 116.434+/-0.065 χ^2/NDF: 2924.7/5

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 102.961+/-0.056 χ^2/NDF:246567.8/17

Out: 95.958+/-0.049 χ^2/NDF:373220.1/22

All: 99.000+/-0.037 χ^2/NDF: 628651.2/40



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -122.748+/-2.035 χ^2/NDF:110.8/2

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -149.738+/-2.342 χ^2/NDF:26.2/1

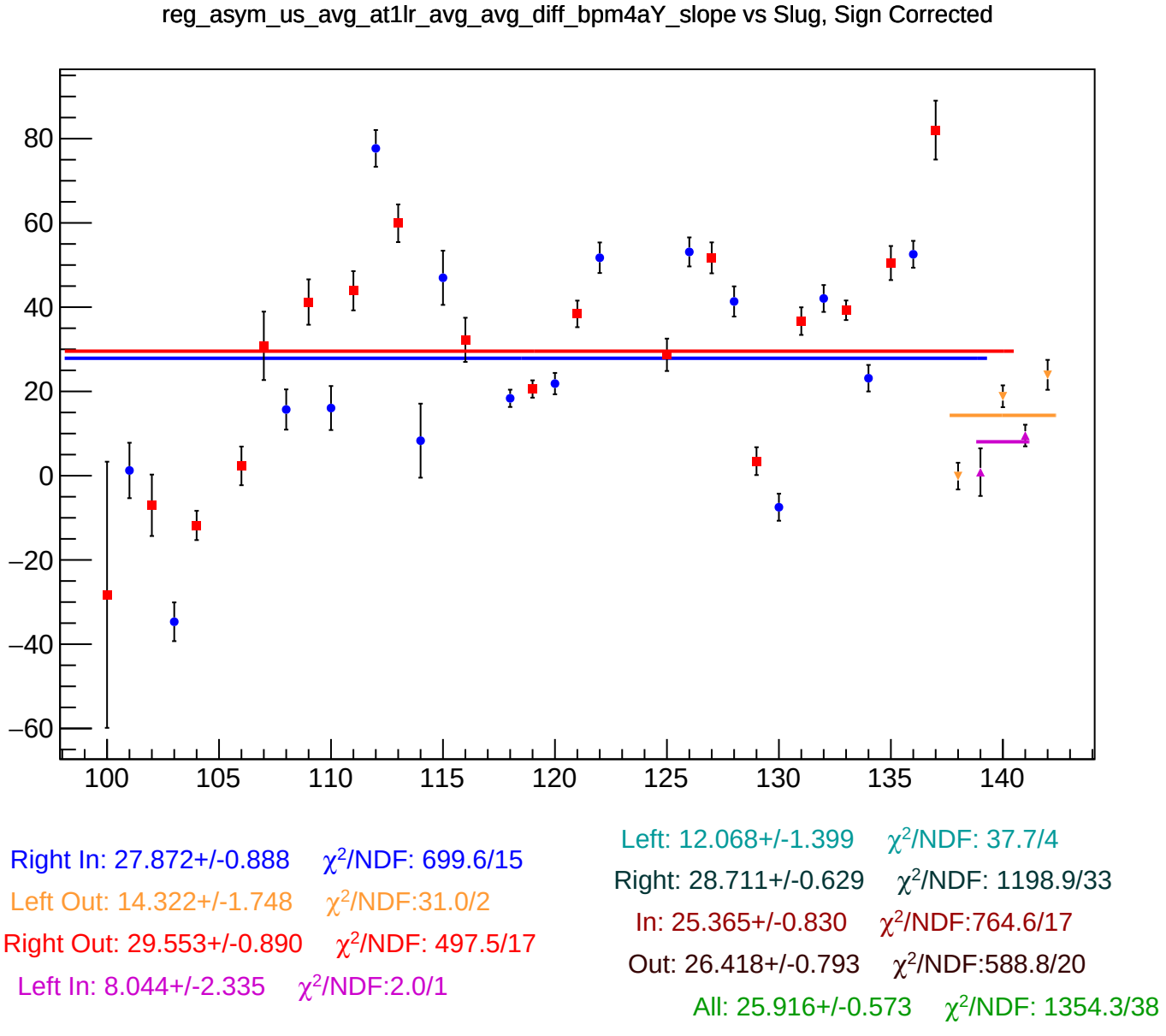
Left: -134.360+/-1.536 χ^2/NDF: 212.7/4

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

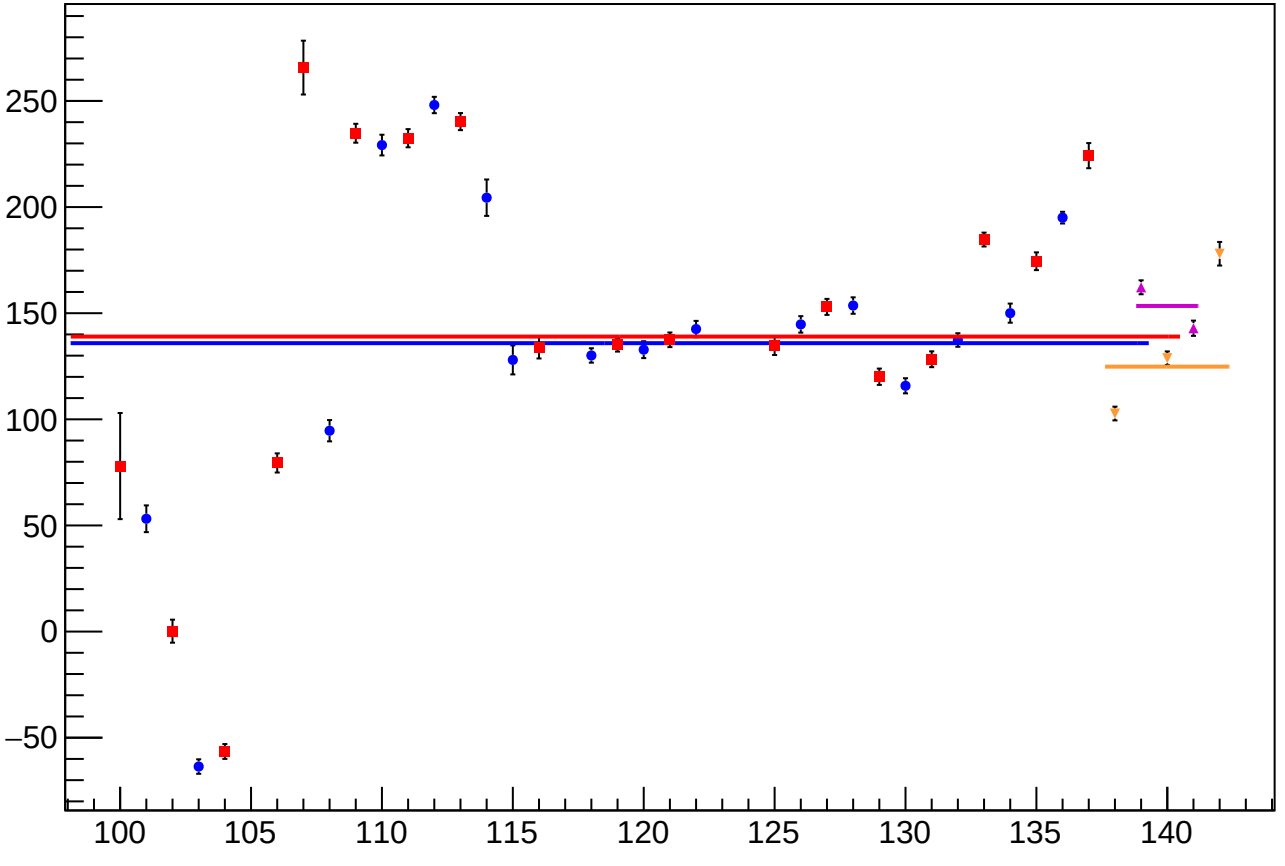
In: -123.912+/-0.832 χ^2/NDF:2856.6/17

Out: -121.626+/-0.804 χ^2/NDF:3237.5/20

All: -122.729+/-0.578 χ^2/NDF: 6098.0/38


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
105
110
115
120
125
130
135
140
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 14.322+/-1.748 χ²/NDF:31.0/2
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 8.044+/-2.335 χ²/NDF:2.0/1
Left: 12.068+/-1.399 χ²/NDF: 37.7/4
Right: 28.711+/-0.629 χ²/NDF: 1198.9/33
In: 25.365+/-0.830 χ²/NDF:764.6/17
Out: 26.418+/-0.793 χ²/NDF:588.8/20
All: 25.916+/-0.573 χ²/NDF: 1354.3/38

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 124.824+/-2.107 χ^2/NDF:139.6/2

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: 137.124+/-1.590 χ^2/NDF: 234.5/4

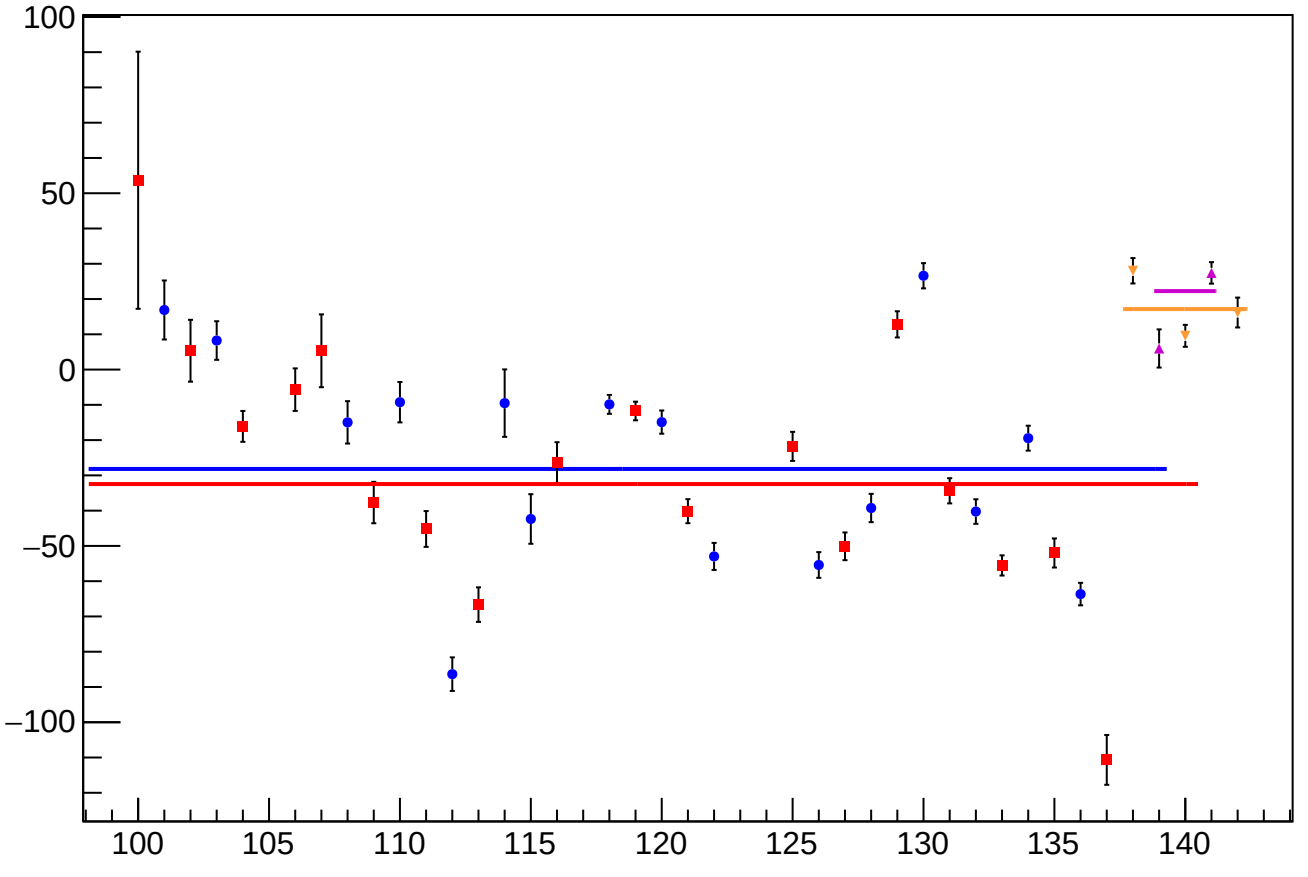
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 138.425+/-0.923 χ^2/NDF:5524.1/17

Out: 136.388+/-0.902 χ^2/NDF:6332.9/20

All: 137.383+/-0.645 χ^2/NDF: 11859.5/38

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: 17.155+/-2.058 χ^2/NDF:15.1/2

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 22.251+/-2.655 χ^2/NDF:11.9/1

Left: 19.067+/-1.627 χ^2/NDF: 29.3/4

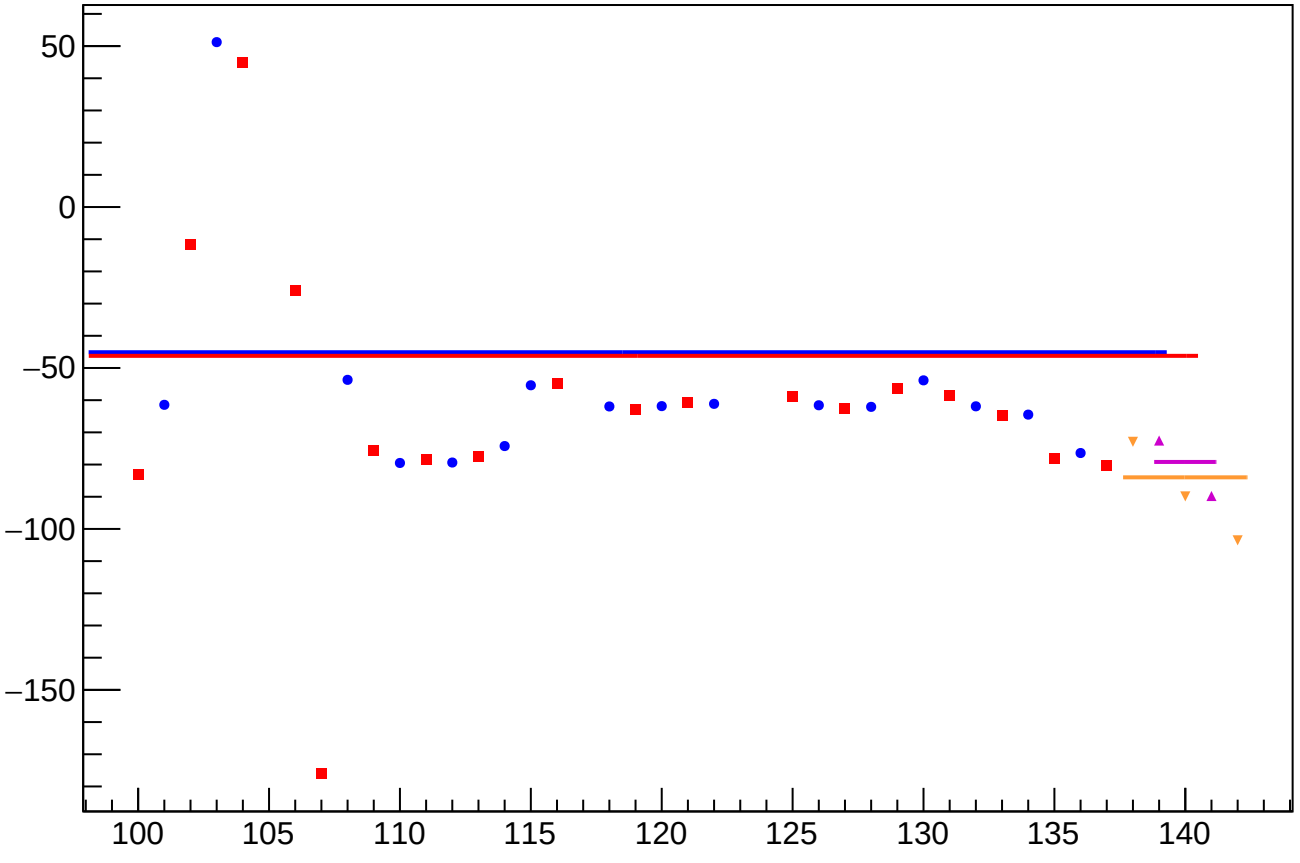
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -21.667+/-0.954 χ^2/NDF:1117.2/17

Out: -22.560+/-0.919 χ^2/NDF:1061.3/20

All: -22.130+/-0.662 χ^2/NDF: 2178.9/38

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: -83.973+/-0.088 χ^2/NDF:16485.4/2

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -79.190+/-0.091 χ^2/NDF:8432.8/1

Left: -81.669+/-0.063 χ^2/NDF: 26338.8/4

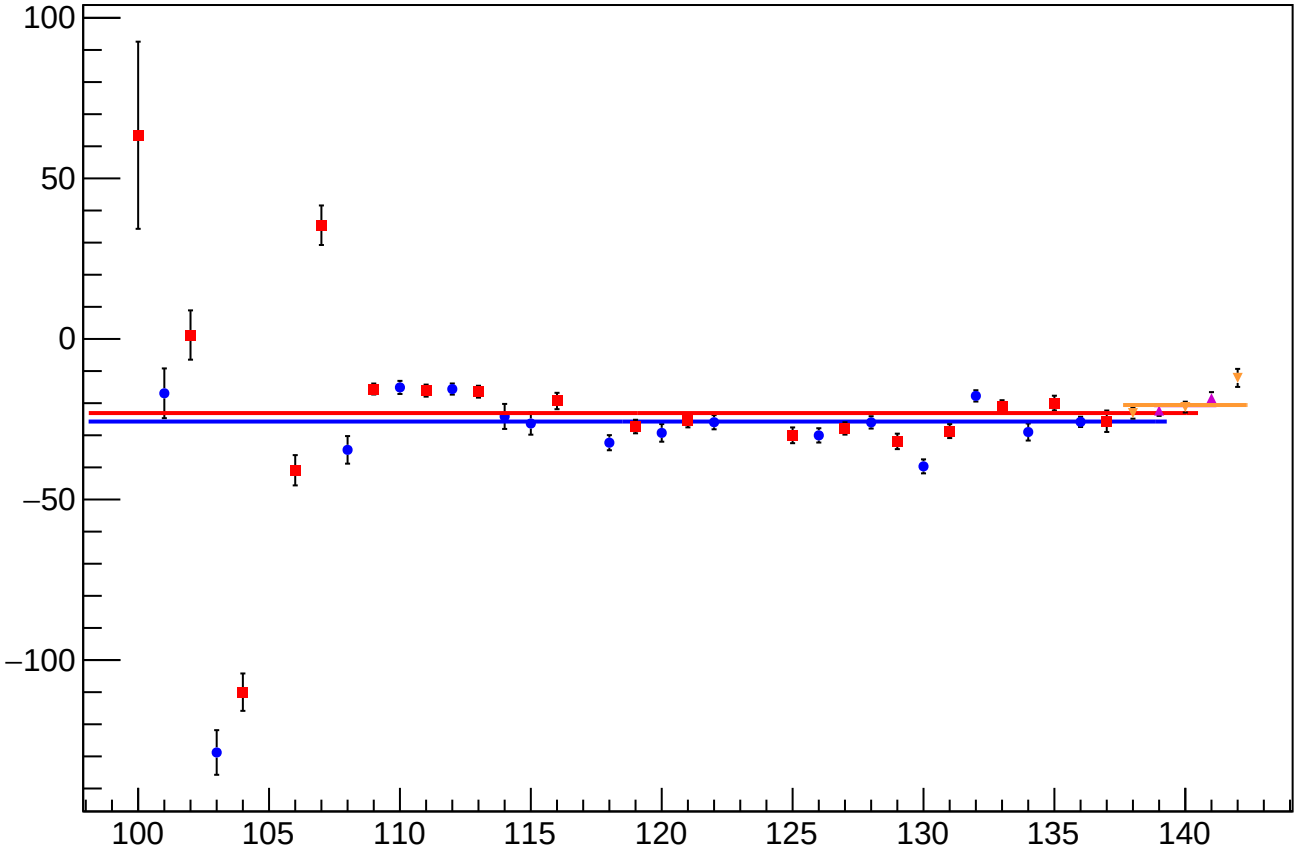
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -55.411+/-0.050 χ^2/NDF:680752.9/17

Out: -58.895+/-0.051 χ^2/NDF:632150.7/20

All: -57.126+/-0.036 χ^2/NDF: 1315272.0/38

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: -20.575+/-1.108 χ^2/NDF:11.3/2

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -20.631+/-1.257 χ^2/NDF:2.3/1

Left: -20.599+/-0.831 χ^2/NDF: 13.6/4

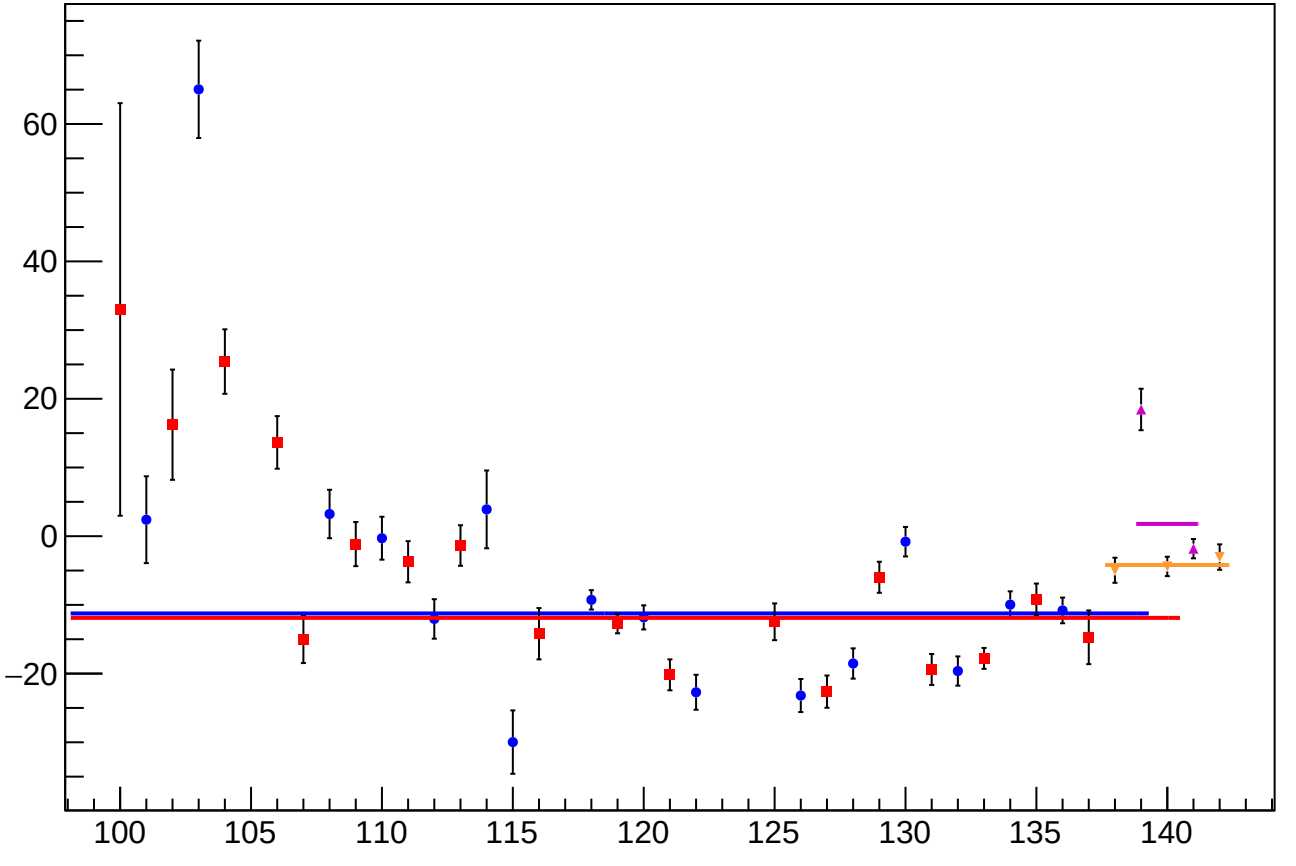
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -24.802+/-0.534 χ^2/NDF:378.7/17

Out: -22.538+/-0.515 χ^2/NDF:452.4/20

All: -23.629+/-0.371 χ^2/NDF: 840.4/38

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: -4.193+/-0.956 χ^2/NDF:0.6/2

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: 1.787+/-1.273 χ^2/NDF:37.0/1

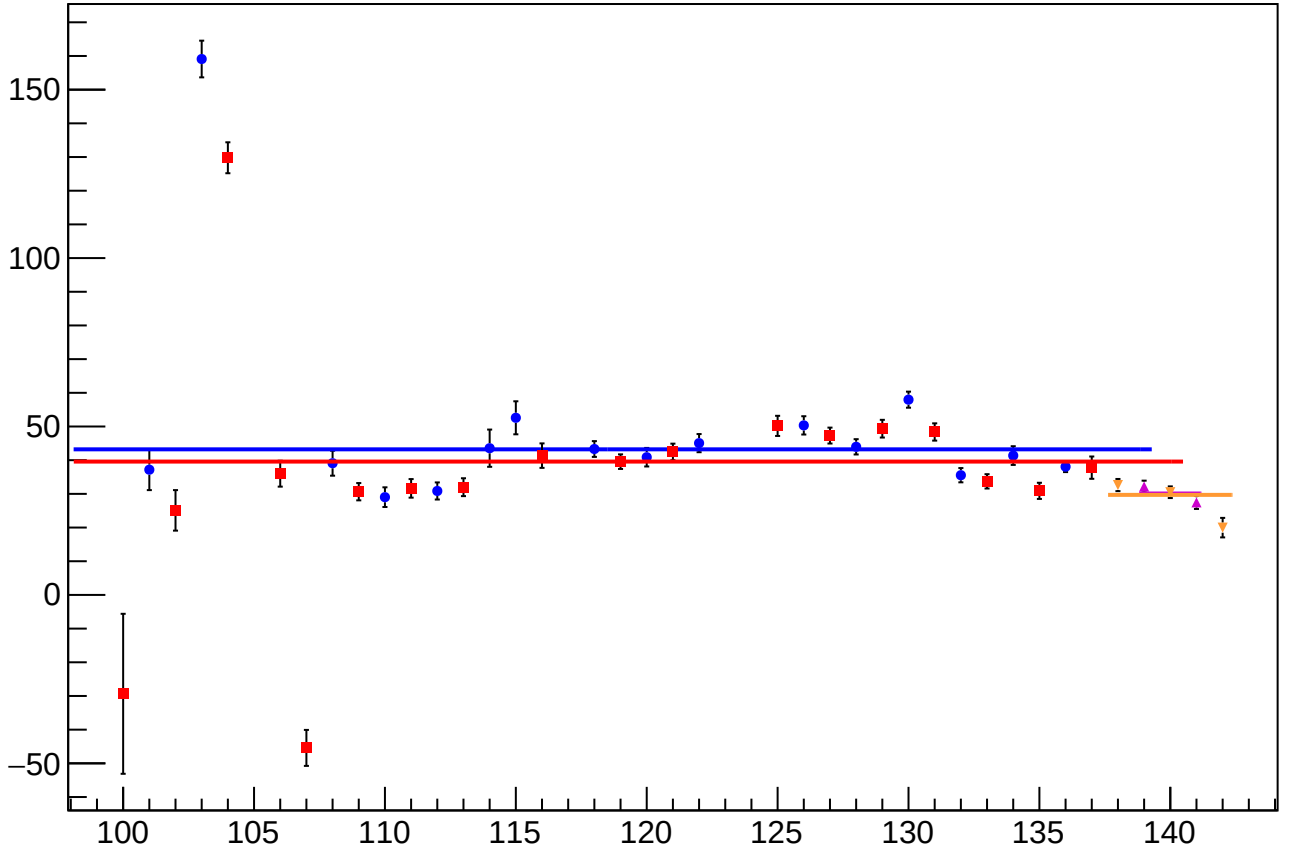
Left: -2.037+/-0.764 χ^2/NDF: 51.7/4

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.877+/-0.543 χ^2/NDF:393.9/17

Out: -9.678+/-0.512 χ^2/NDF:271.3/20

All: -9.300+/-0.373 χ^2/NDF: 666.3/38



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 29.700+/-1.147 χ^2/NDF:14.1/2

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 30.107+/-1.301 χ^2/NDF:3.2/1

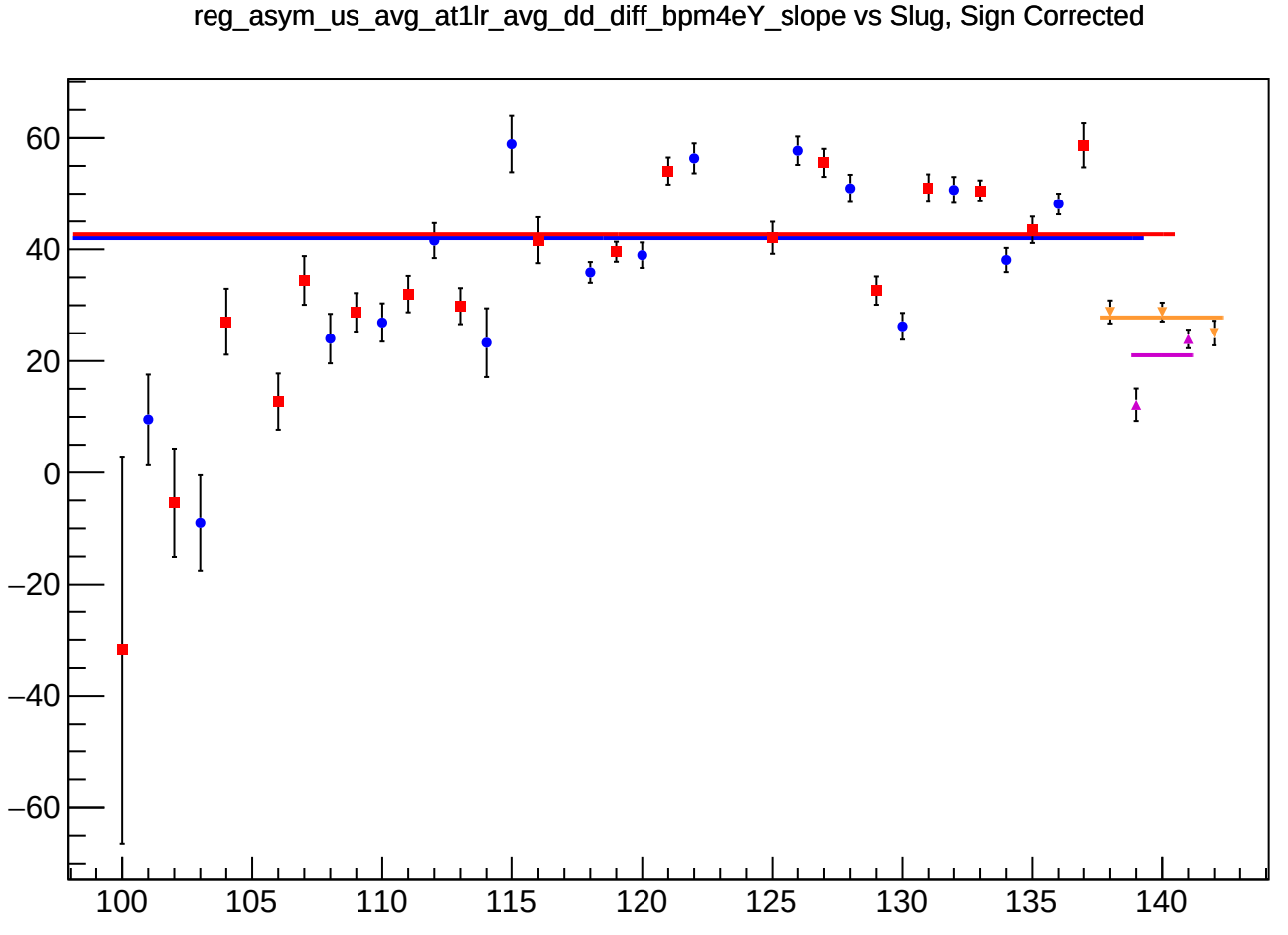
Left: 29.878+/-0.860 χ^2/NDF: 17.4/4

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 40.419+/-0.601 χ^2/NDF:659.2/17

Out: 36.991+/-0.588 χ^2/NDF:822.9/20

All: 38.666+/-0.420 χ^2/NDF: 1498.6/38



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 27.806+/-1.122 χ^2/NDF:2.2/2

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 21.034+/-1.443 χ^2/NDF:12.5/1

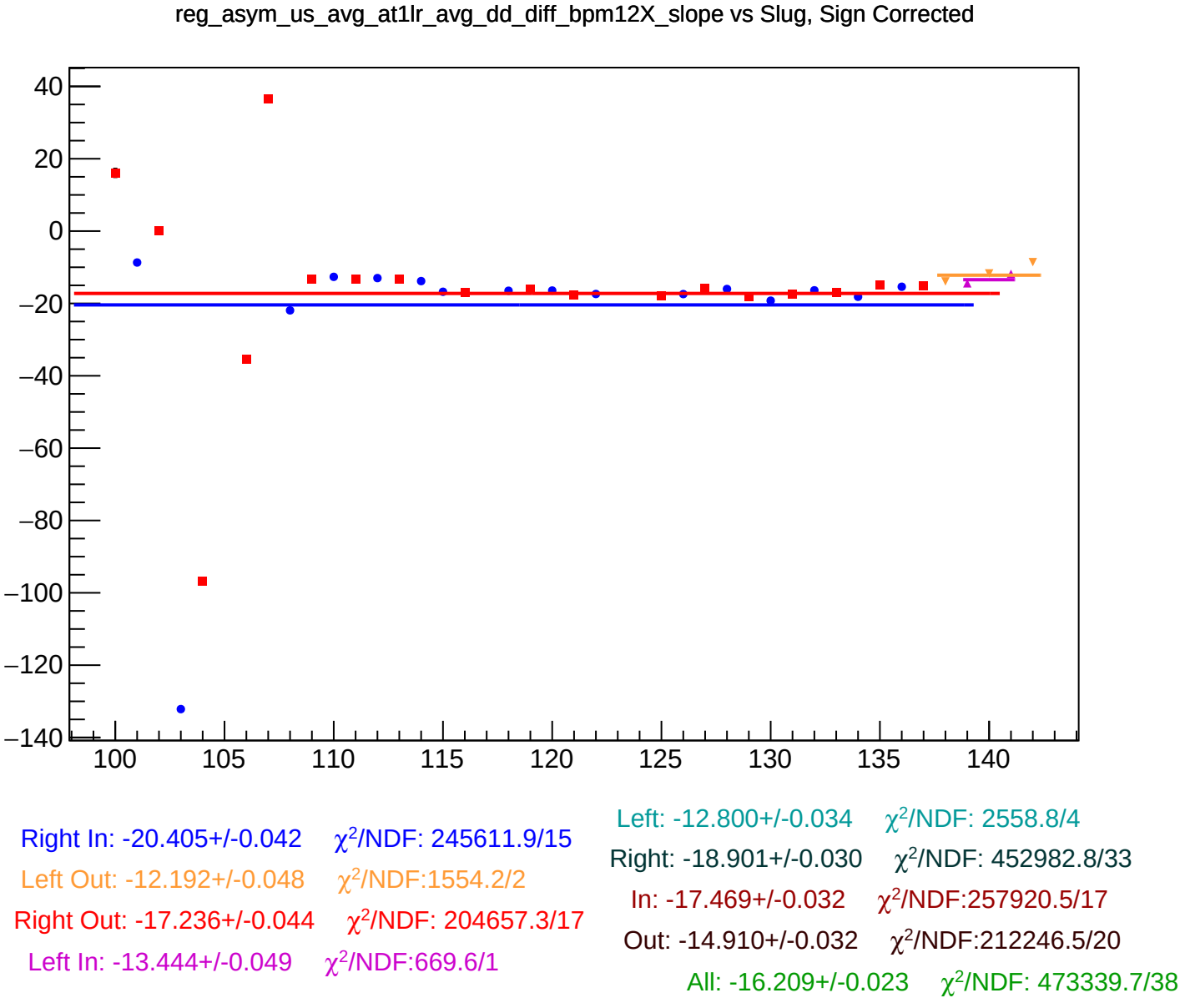
Left: 25.254+/-0.886 χ^2/NDF: 28.4/4

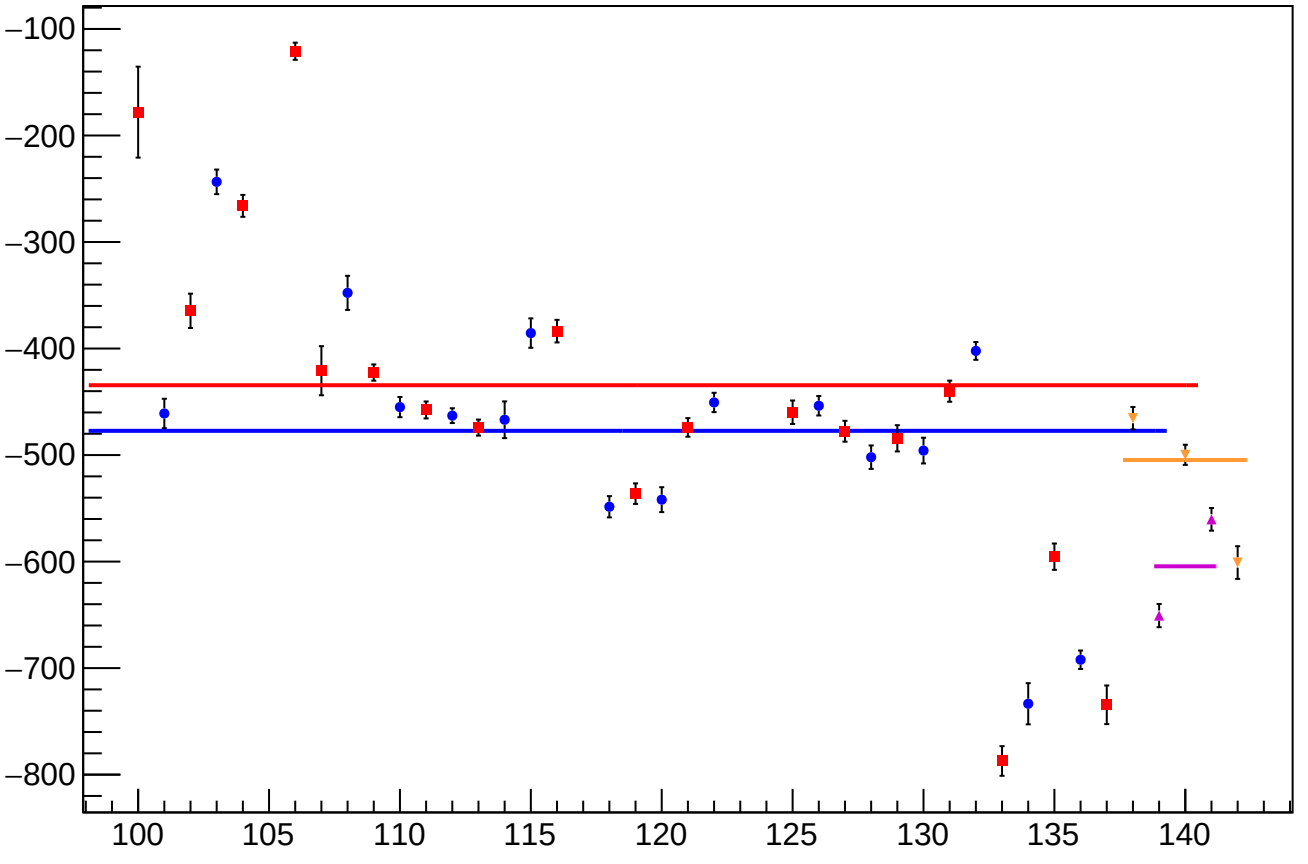
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 38.160+/-0.618 χ^2/NDF:457.8/17

Out: 38.568+/-0.591 χ^2/NDF:359.8/20

All: 38.373+/-0.427 χ^2/NDF: 817.8/38


reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
105
110
115
120
125
130
135
140
Right In: -20.405+/-0.042 χ²/NDF: 245611.9/15
Left Out: -12.192+/-0.048 χ²/NDF:1554.2/2
Right Out: -17.236+/-0.044 χ²/NDF: 204657.3/17
Left In: -13.444+/-0.049 χ²/NDF:669.6/1
Left: -12.800+/-0.034 χ²/NDF: 2558.8/4
Right: -18.901+/-0.030 χ²/NDF: 452982.8/33
In: -17.469+/-0.032 χ²/NDF:257920.5/17
Out: -14.910+/-0.032 χ²/NDF:212246.5/20
All: -16.209+/-0.023 χ²/NDF: 473339.7/38



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -504.621+/-6.393 χ^2/NDF:53.5/2

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -604.428+/-7.616 χ^2/NDF:35.2/1

Left: -545.876+/-4.896 χ^2/NDF: 189.5/4

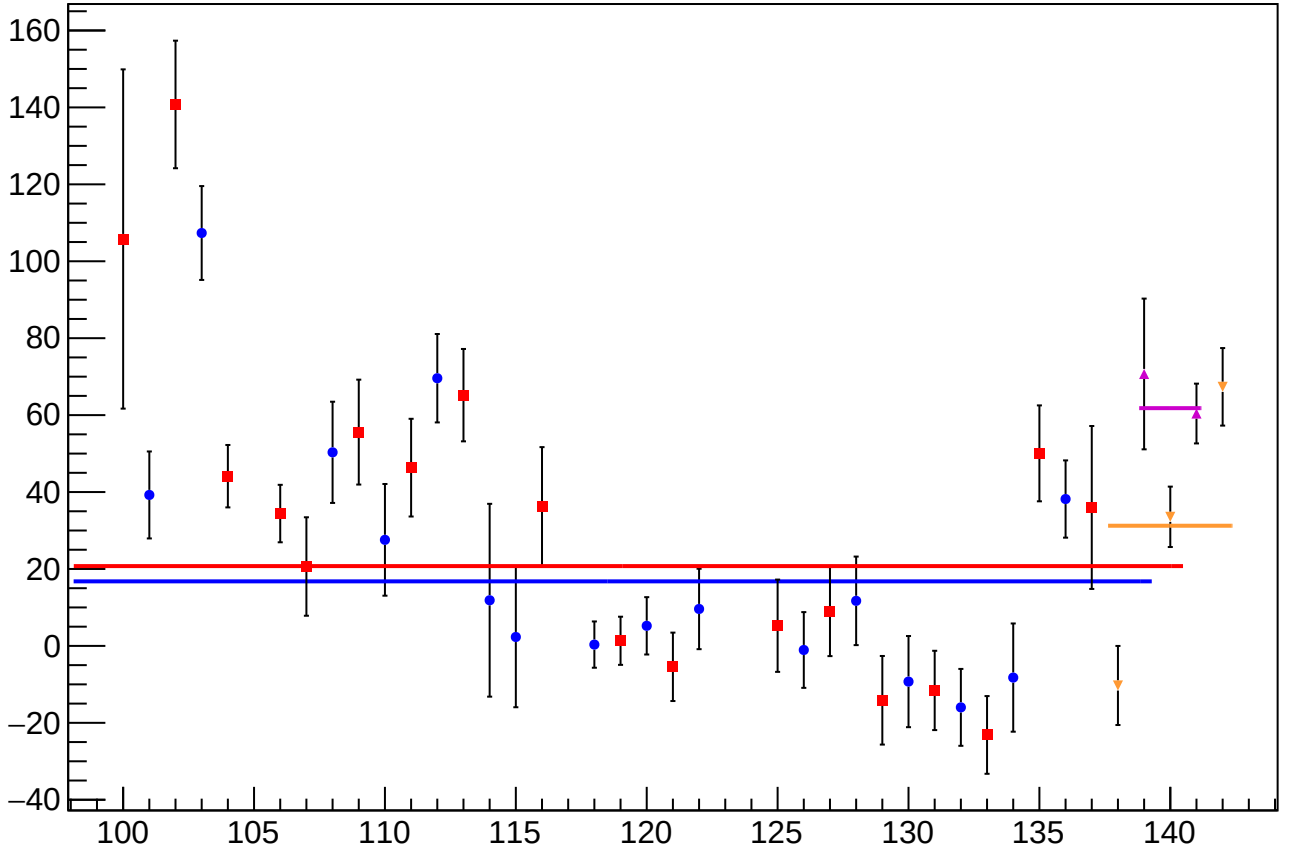
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -490.834+/-2.489 χ^2/NDF:1795.1/17

Out: -443.515+/-2.299 χ^2/NDF:3320.4/20

All: -465.304+/-1.689 χ^2/NDF: 5310.5/38

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: 31.241+/-5.305 χ^2/NDF:29.2/2

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: 41.950+/-4.276 χ^2/NDF: 41.1/4

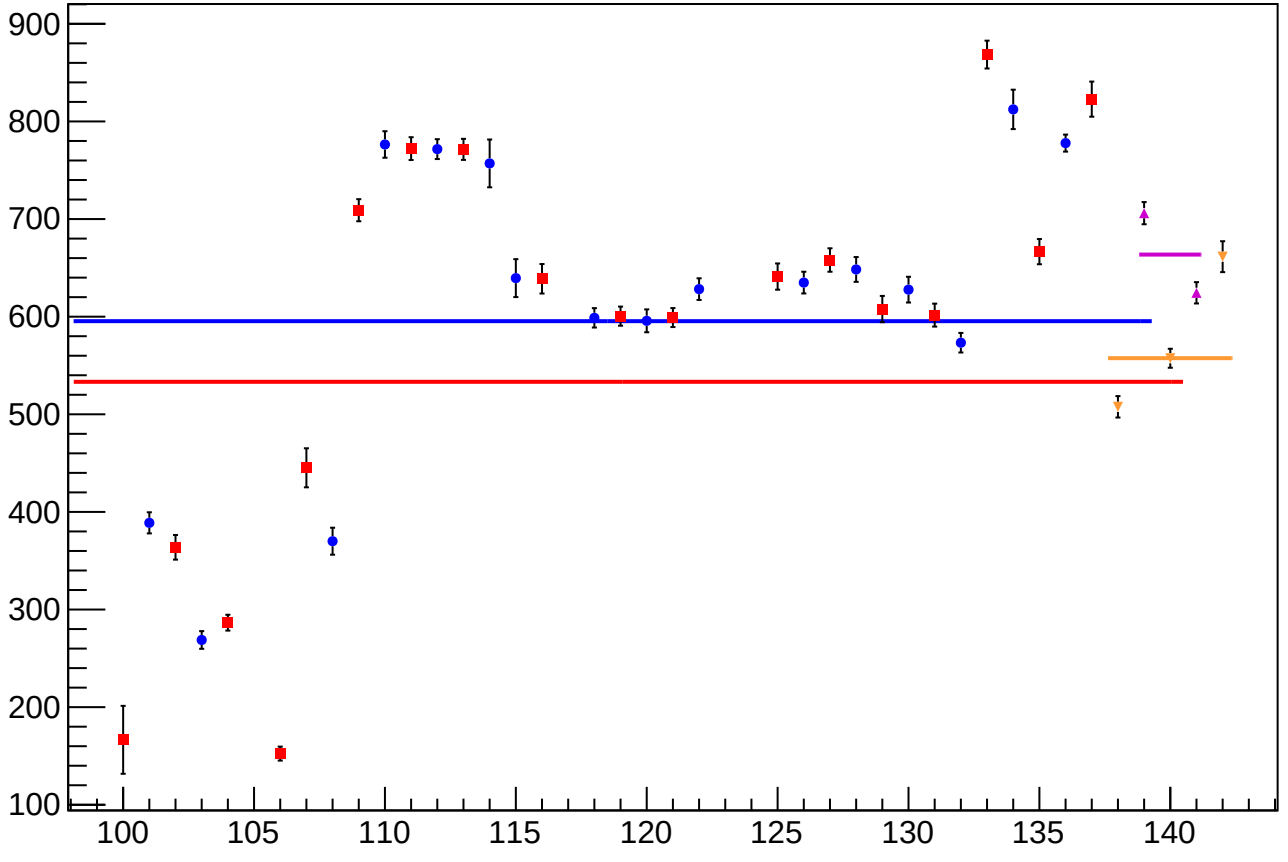
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 22.135+/-2.492 χ^2/NDF:159.4/17

Out: 22.716+/-2.297 χ^2/NDF:190.4/20

All: 22.449+/-1.689 χ^2/NDF: 349.8/38

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: 557.511+/-6.611 χ^2/NDF:63.8/2

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: 601.382+/-5.063 χ^2/NDF: 197.1/4

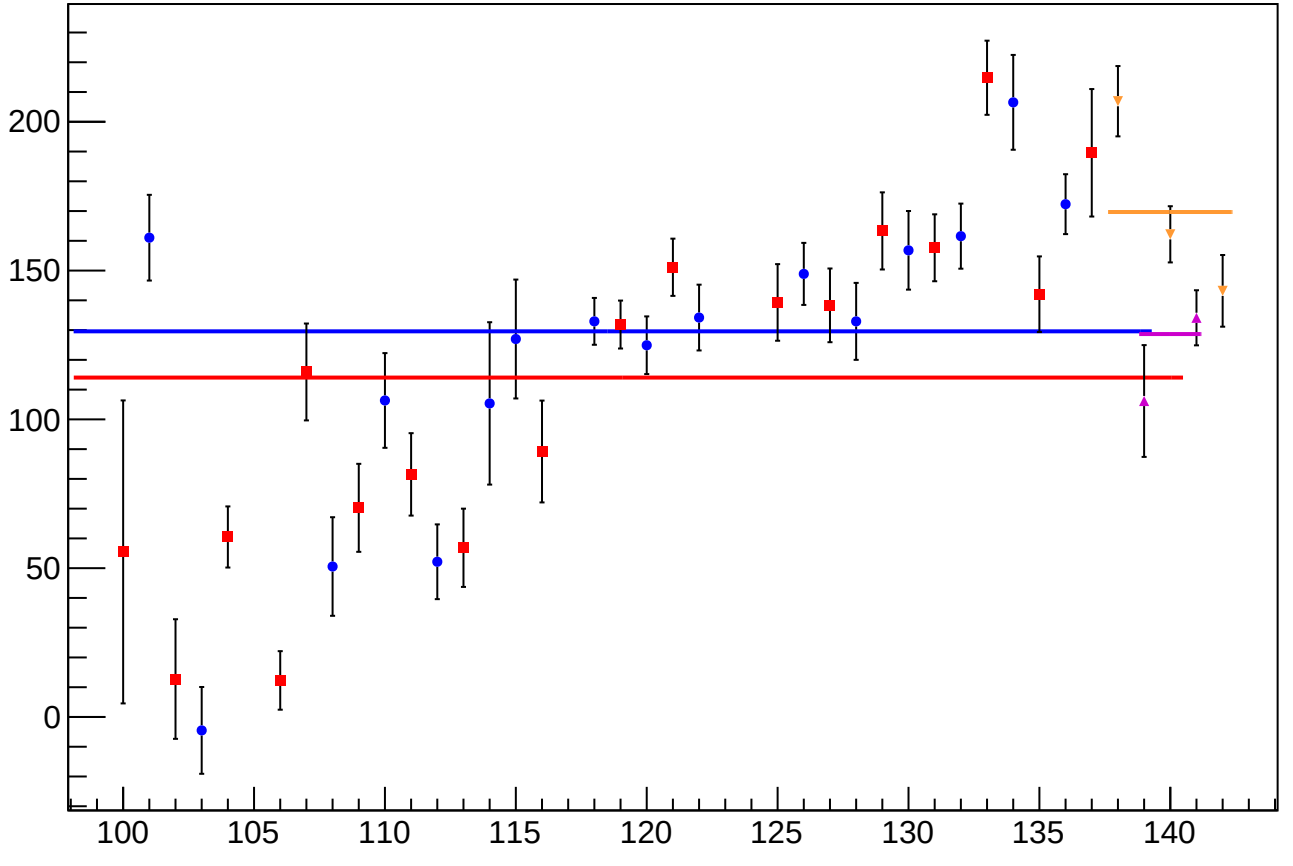
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 603.700+/-2.746 χ^2/NDF:3152.4/17

Out: 536.848+/-2.536 χ^2/NDF:6578.1/20

All: 567.623+/-1.863 χ^2/NDF: 10050.5/38

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 169.682+/-6.290 χ^2/NDF:15.4/2

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: 154.726+/-5.014 χ^2/NDF: 32.7/4

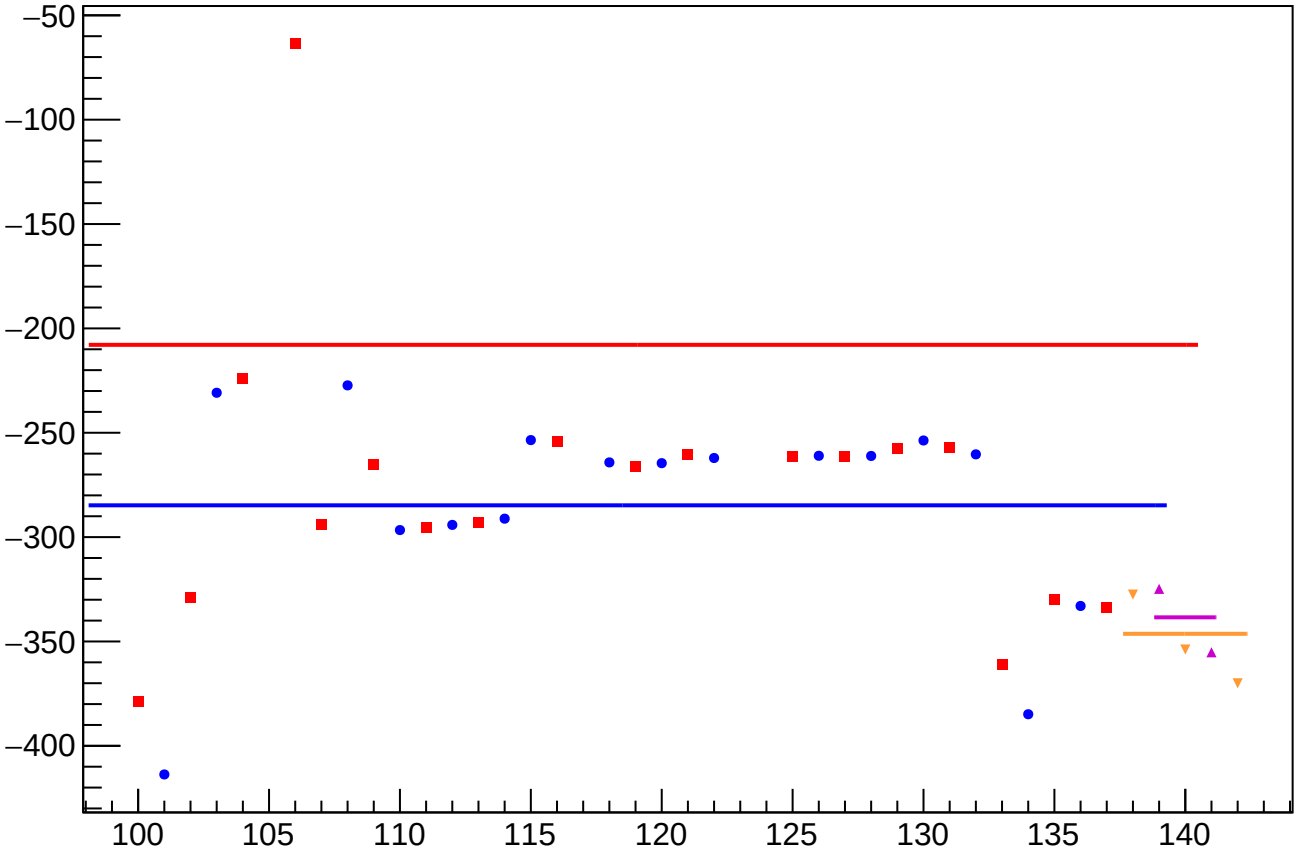
Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 129.475+/-2.888 χ^2/NDF:213.0/17

Out: 124.223+/-2.690 χ^2/NDF:415.2/20

All: 126.663+/-1.969 χ^2/NDF: 630.0/38

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -346.328+/-0.280 χ^2/NDF:3440.2/2

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: -342.666+/-0.205 χ^2/NDF: 6341.3/4

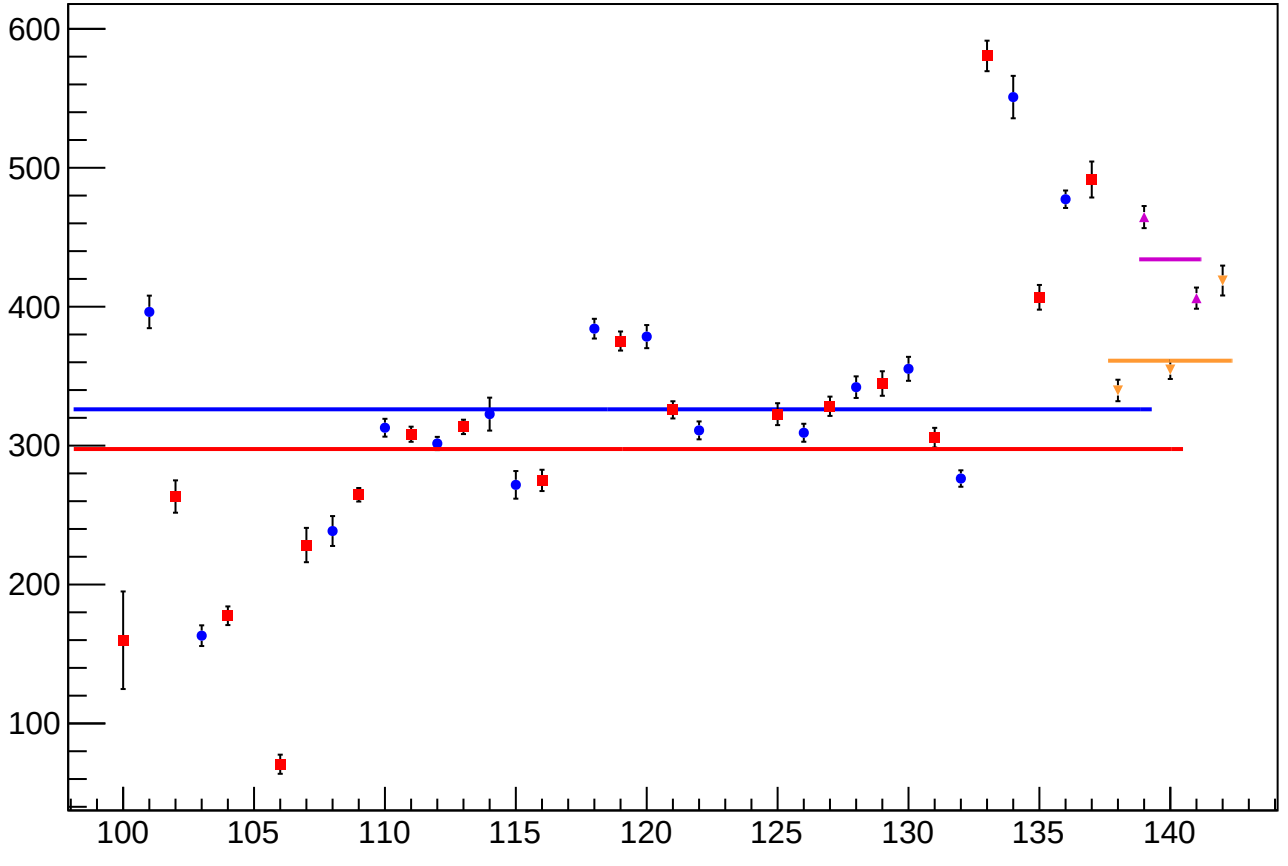
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -298.653+/-0.153 χ^2/NDF:130547.0/17

Out: -238.448+/-0.131 χ^2/NDF:731217.3/20

All: -264.027+/-0.100 χ^2/NDF: 950977.9/38

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: 361.133+/-4.602 χ^2/NDF:37.3/2

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: 391.151+/-3.530 χ^2/NDF: 168.8/4

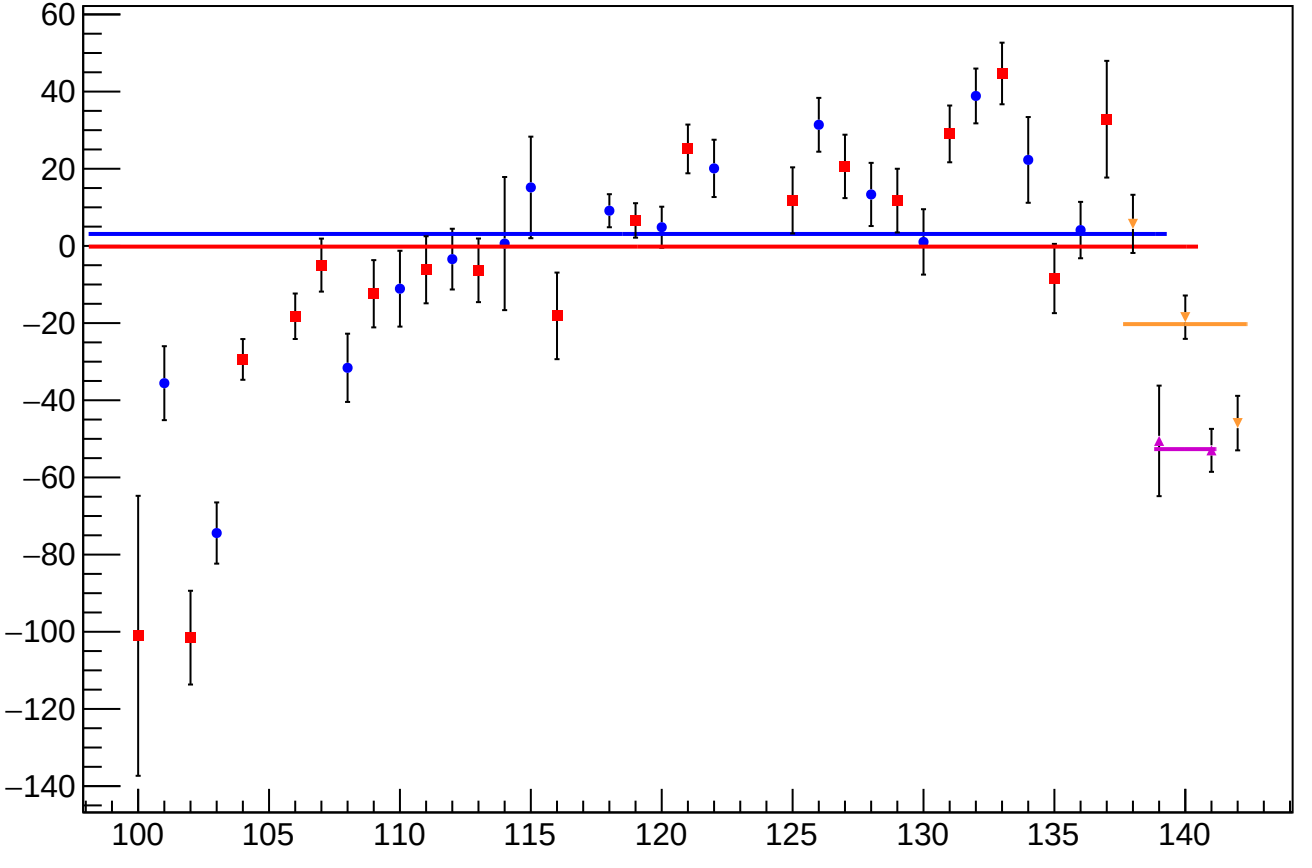
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 337.165+/-1.759 χ^2/NDF:2016.4/17

Out: 305.450+/-1.623 χ^2/NDF:2980.0/20

All: 320.033+/-1.193 χ^2/NDF: 5172.0/38

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: -20.266+/-3.799 χ^2/NDF:25.2/2

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -52.661+/-5.188 χ^2/NDF:0.0/1

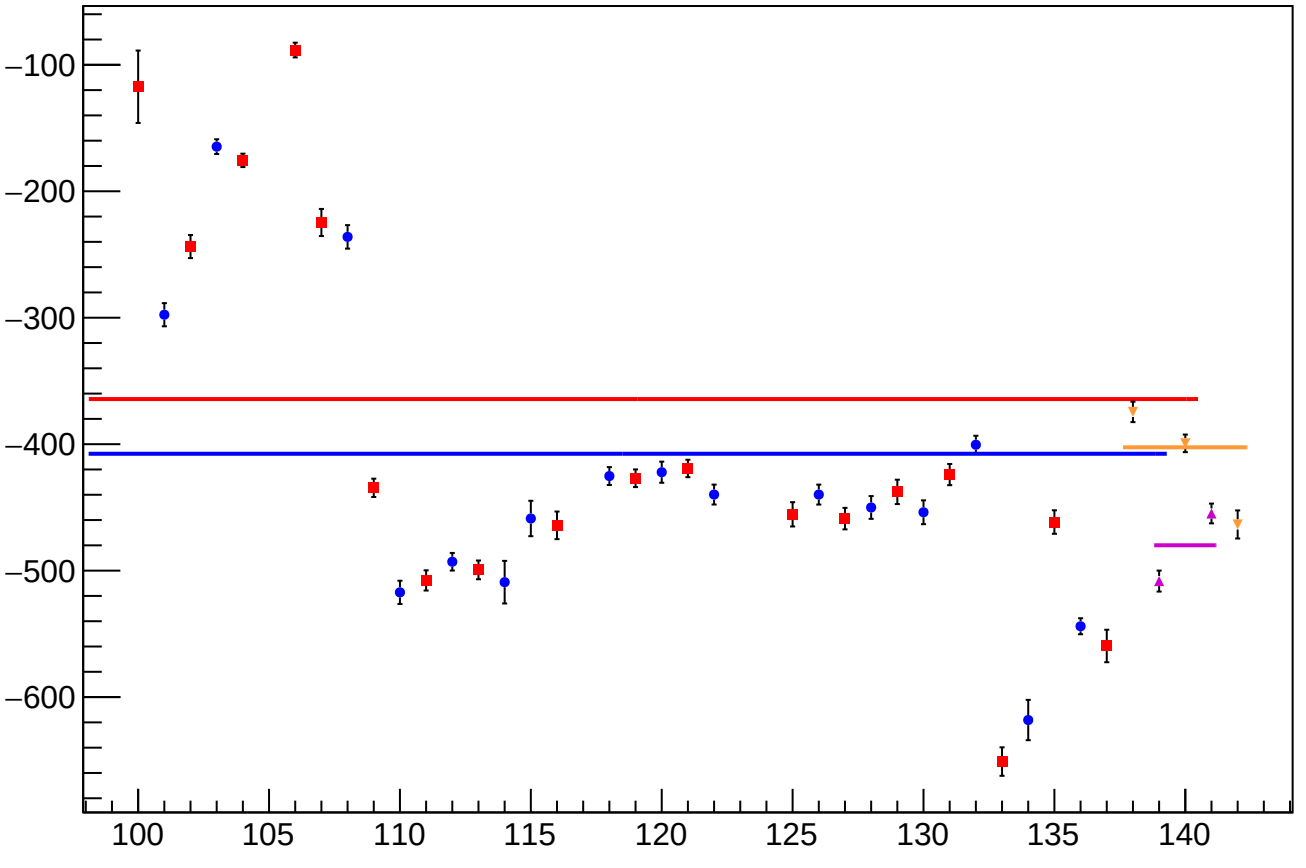
Left: -31.571+/-3.065 χ^2/NDF: 50.6/4

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -3.445+/-1.778 χ^2/NDF:286.5/17

Out: -3.833+/-1.620 χ^2/NDF:253.2/20

All: -3.657+/-1.197 χ^2/NDF: 539.8/38



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -402.481+/-4.758 χ^2/NDF:42.5/2

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -479.945+/-5.688 χ^2/NDF:22.0/1

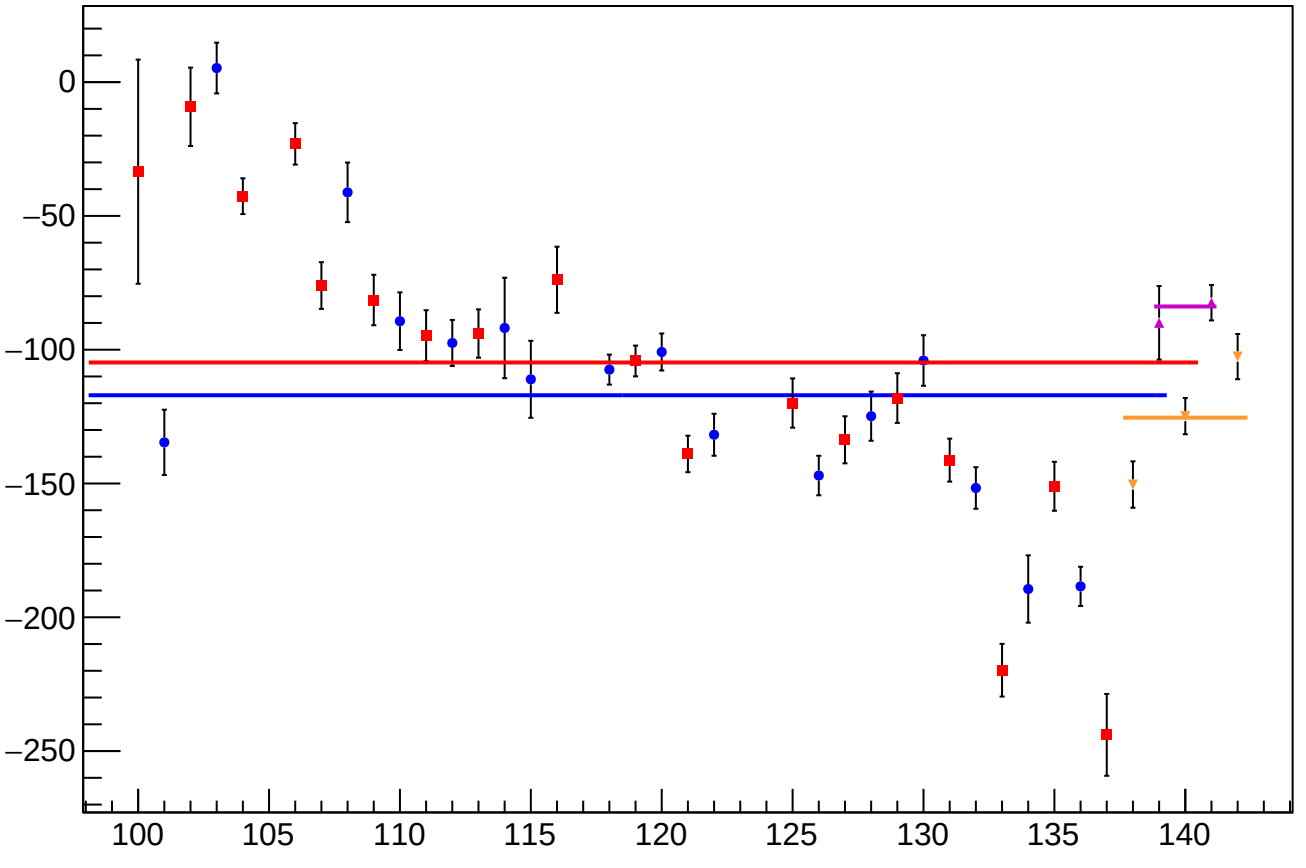
Left: -434.368+/-3.650 χ^2/NDF: 173.6/4

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -416.065+/-1.948 χ^2/NDF:3445.4/17

Out: -369.773+/-1.798 χ^2/NDF:6318.0/20

All: -391.068+/-1.321 χ^2/NDF: 10068.3/38



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -125.405+/-4.507 χ^2/NDF:15.6/2

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: -110.315+/-3.597 χ^2/NDF: 46.8/4

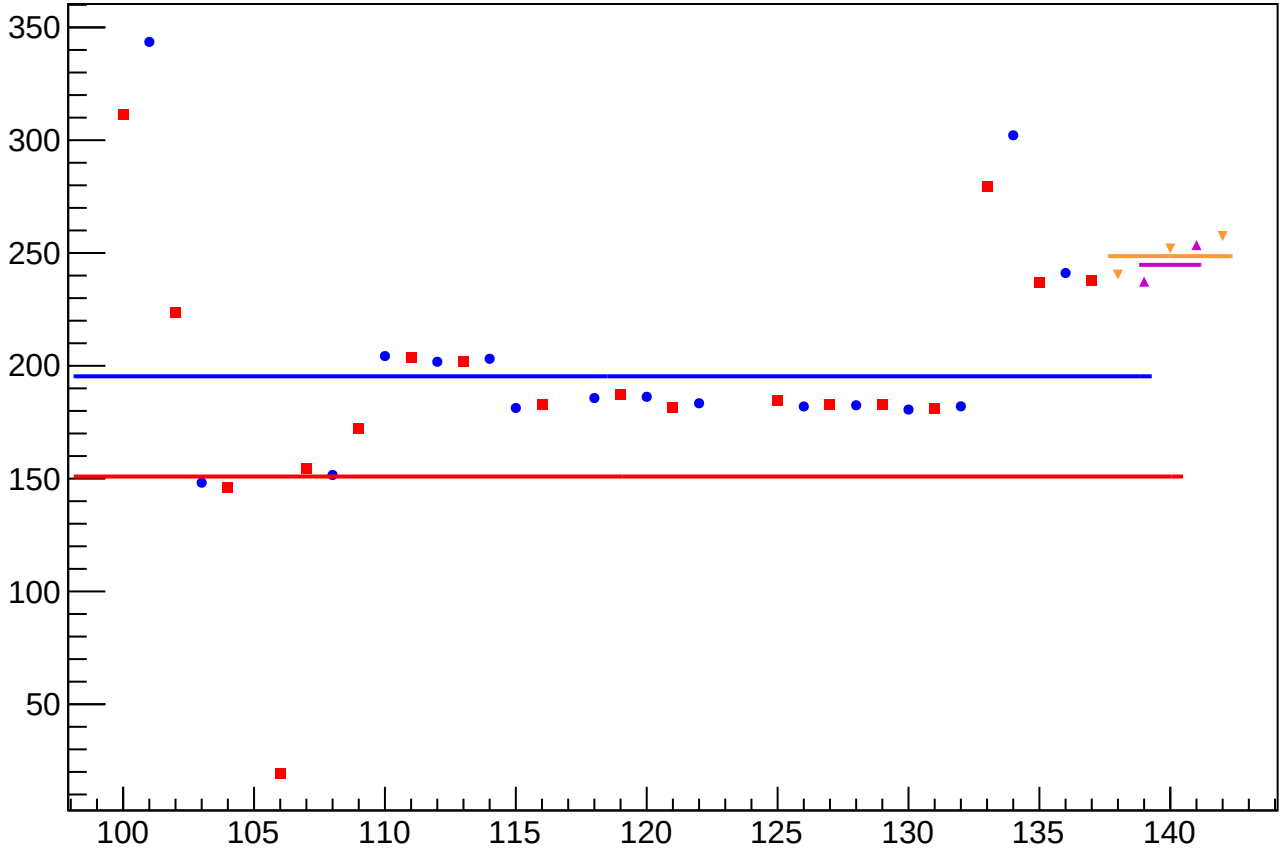
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -113.071+/-2.060 χ^2/NDF:435.3/17

Out: -108.432+/-1.897 χ^2/NDF:608.0/20

All: -110.561+/-1.395 χ^2/NDF: 1046.0/38

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: 248.613+/-0.201 χ^2/NDF:1134.9/2

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 244.756+/-0.218 χ^2/NDF:1376.1/1

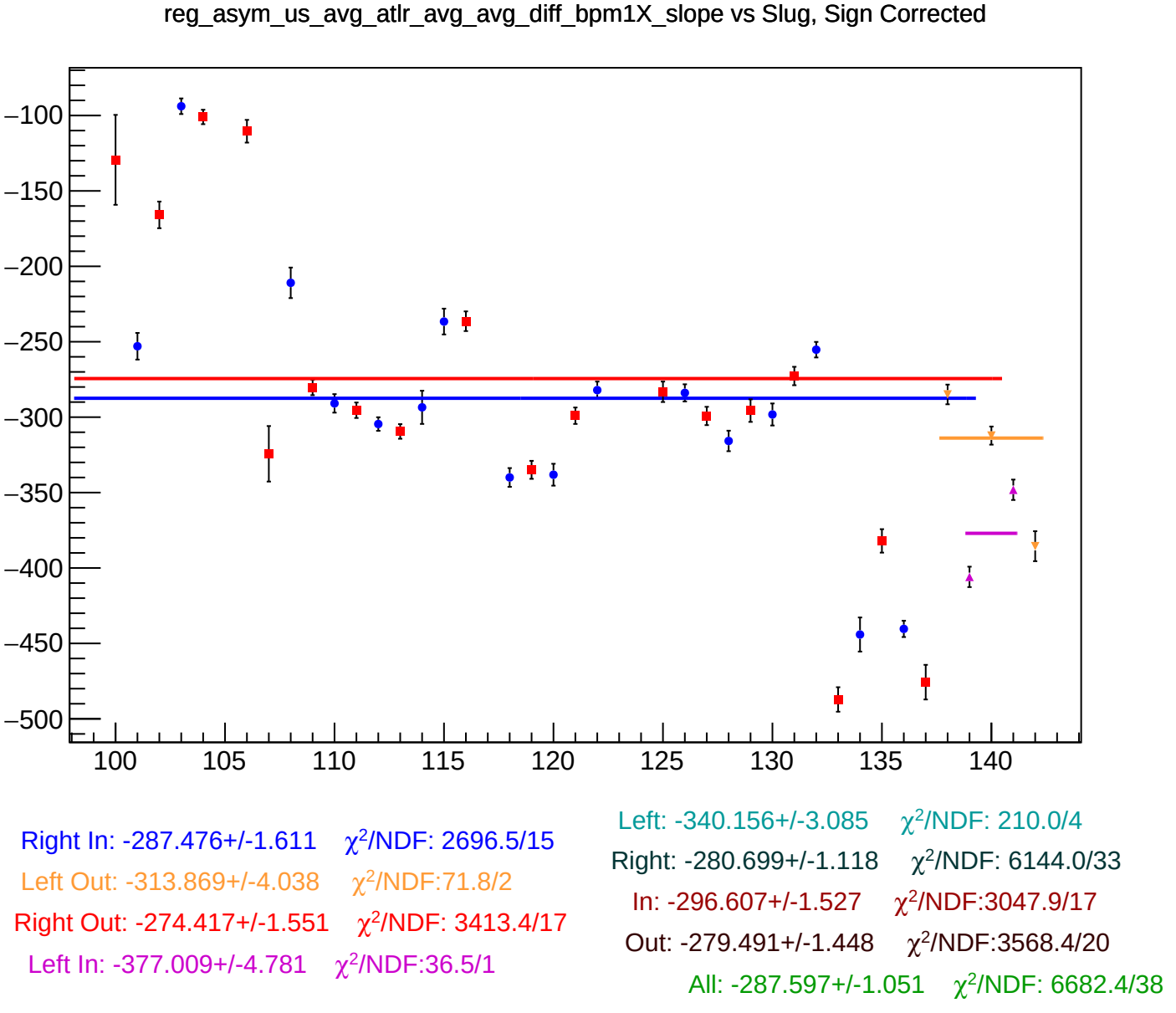
Left: 246.833+/-0.148 χ^2/NDF: 2680.3/4

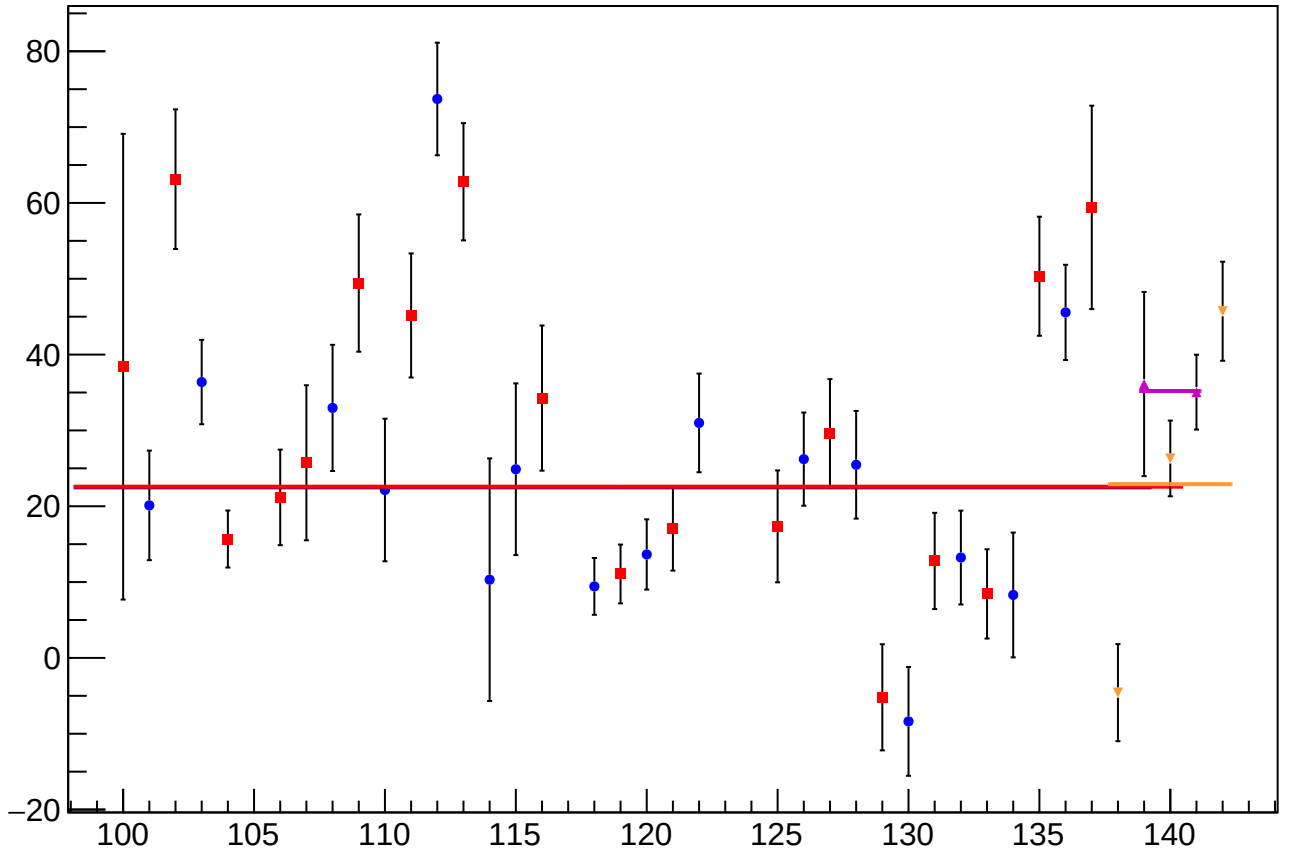
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 207.555+/-0.108 χ^2/NDF:217168.8/17

Out: 173.432+/-0.097 χ^2/NDF:681444.7/20

All: 188.584+/-0.072 χ^2/NDF: 953963.7/38


reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
−450
−500
100
105
110
115
120
125
130
135
140
Right In: -287.476+/-1.611 χ2/NDF: 2696.5/15
Left Out: -313.869+/-4.038 χ2/NDF:71.8/2
Right Out: -274.417+/-1.551 χ2/NDF: 3413.4/17
Left In: -377.009+/-4.781 χ2/NDF:36.5/1
Left: -340.156+/-3.085 χ2/NDF: 210.0/4
Right: -280.699+/-1.118 χ2/NDF: 6144.0/33
In: -296.607+/-1.527 χ2/NDF:3047.9/17
Out: -279.491+/-1.448 χ2/NDF:3568.4/20
All: -287.597+/-1.051 χ2/NDF: 6682.4/38



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 22.915+/-3.372 χ^2/NDF:31.1/2

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: 27.240+/-2.714 χ^2/NDF: 35.8/4

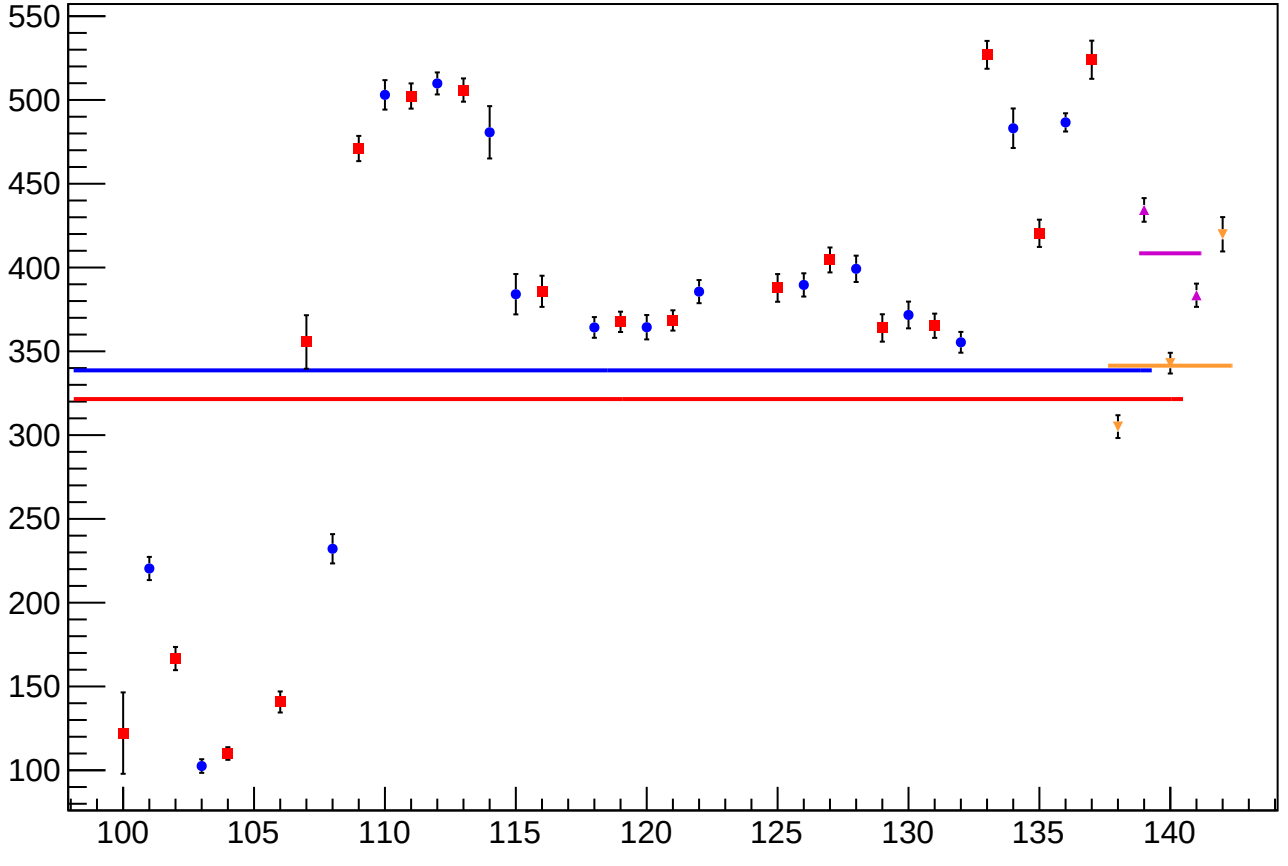
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 23.910+/-1.528 χ^2/NDF:118.3/17

Out: 22.639+/-1.423 χ^2/NDF:154.4/20

All: 23.230+/-1.041 χ^2/NDF: 273.1/38

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 341.439+/-4.177 χ^2/NDF:87.2/2

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 408.485+/-4.944 χ^2/NDF:26.5/1

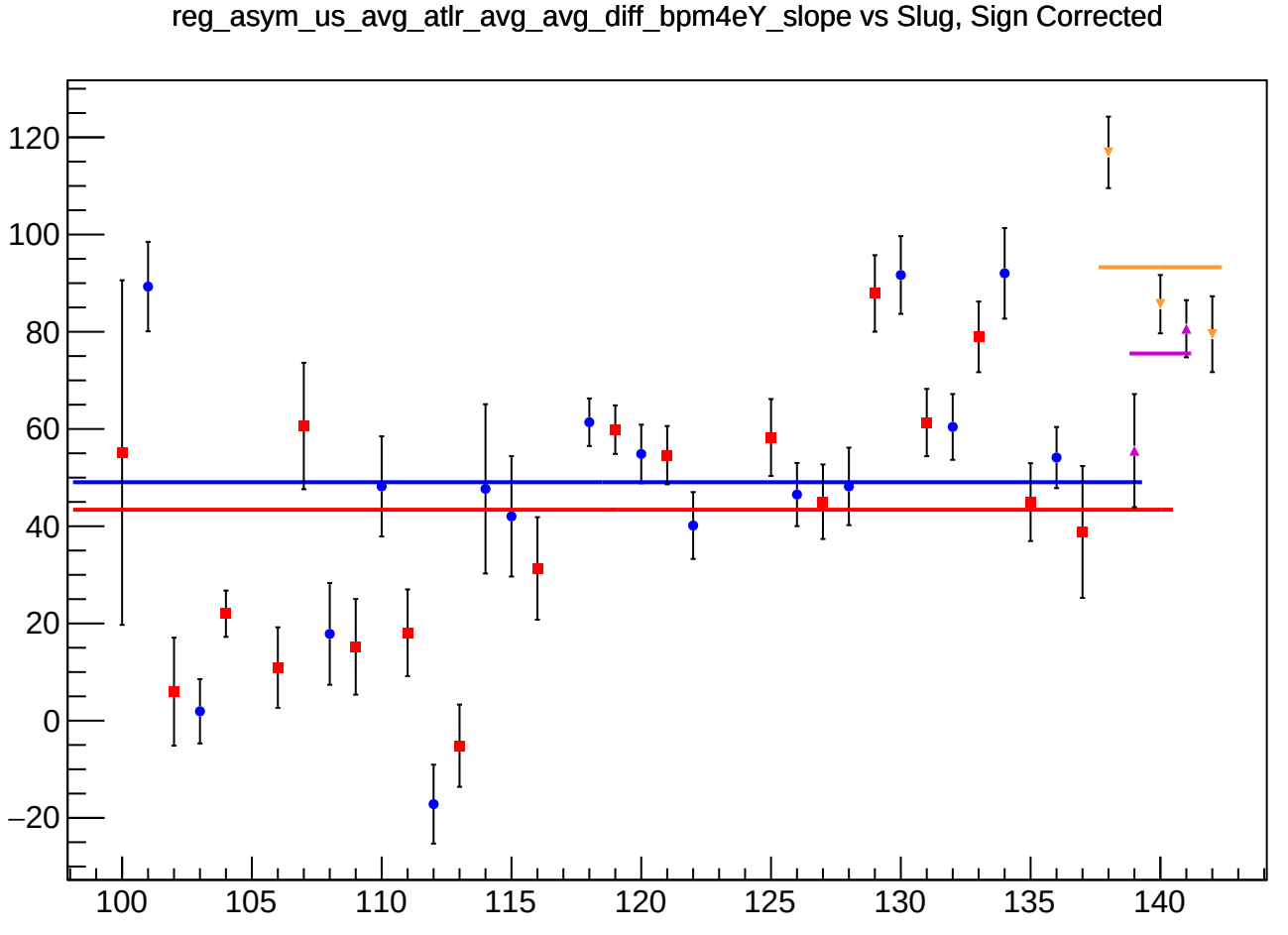
Left: 369.359+/-3.191 χ^2/NDF: 221.0/4

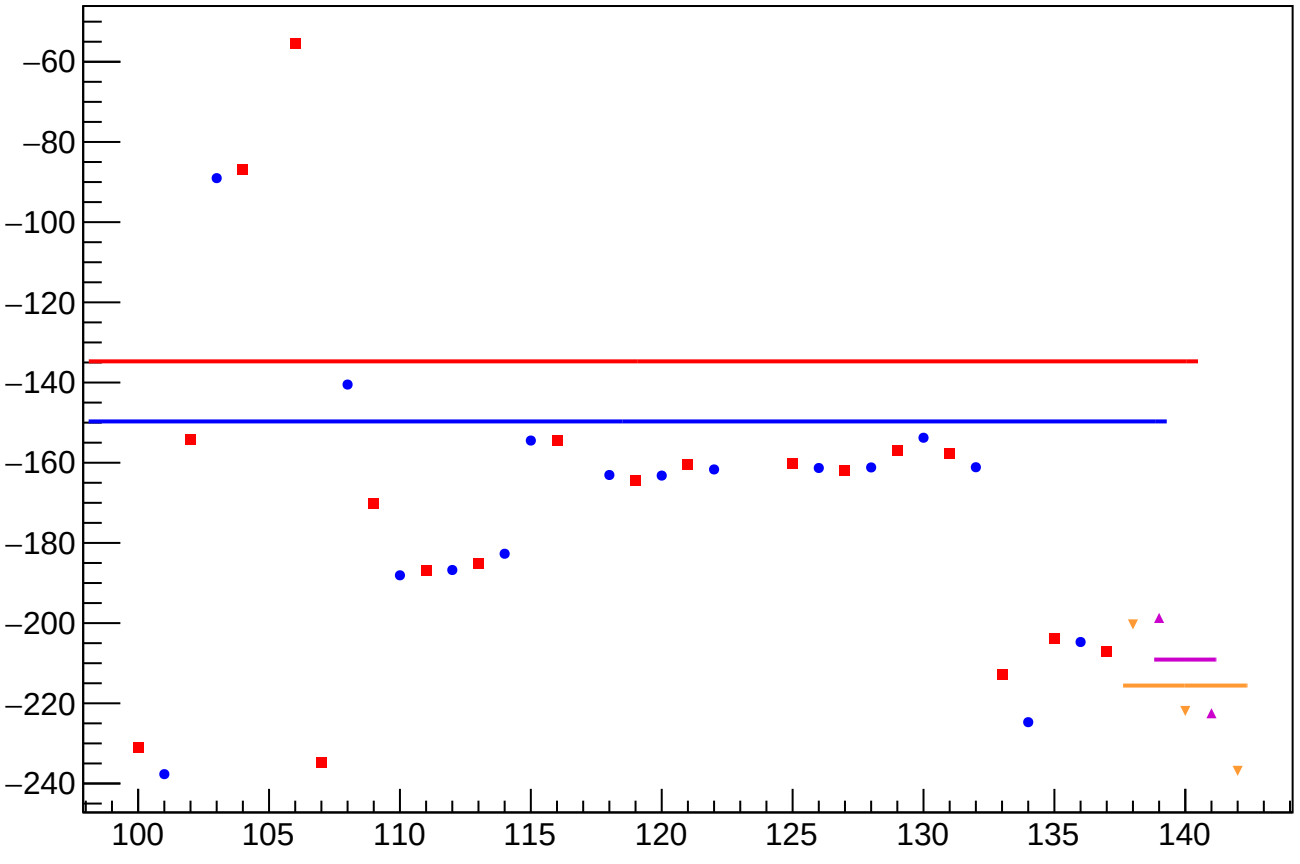
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 346.395+/-1.648 χ^2/NDF:6246.5/17

Out: 324.317+/-1.570 χ^2/NDF:7827.6/20

All: 334.819+/-1.137 χ^2/NDF: 14168.2/38


reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
120
100
80
60
40
20
0
−20
100
105
110
115
120
125
130
135
140
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 93.280+/-3.994 χ²/NDF:15.0/2
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 75.530+/-5.247 χ²/NDF:3.7/1
Left: 86.769+/-3.178 χ²/NDF: 26.0/4
Right: 46.149+/-1.314 χ²/NDF: 392.6/33
In: 52.072+/-1.772 χ²/NDF:234.2/17
Out: 52.078+/-1.667 χ²/NDF:323.9/20
All: 52.076+/-1.214 χ²/NDF: 558.1/38



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -215.571+/-0.176 χ^2/NDF:6190.0/2

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -209.093+/-0.188 χ^2/NDF:3925.7/1

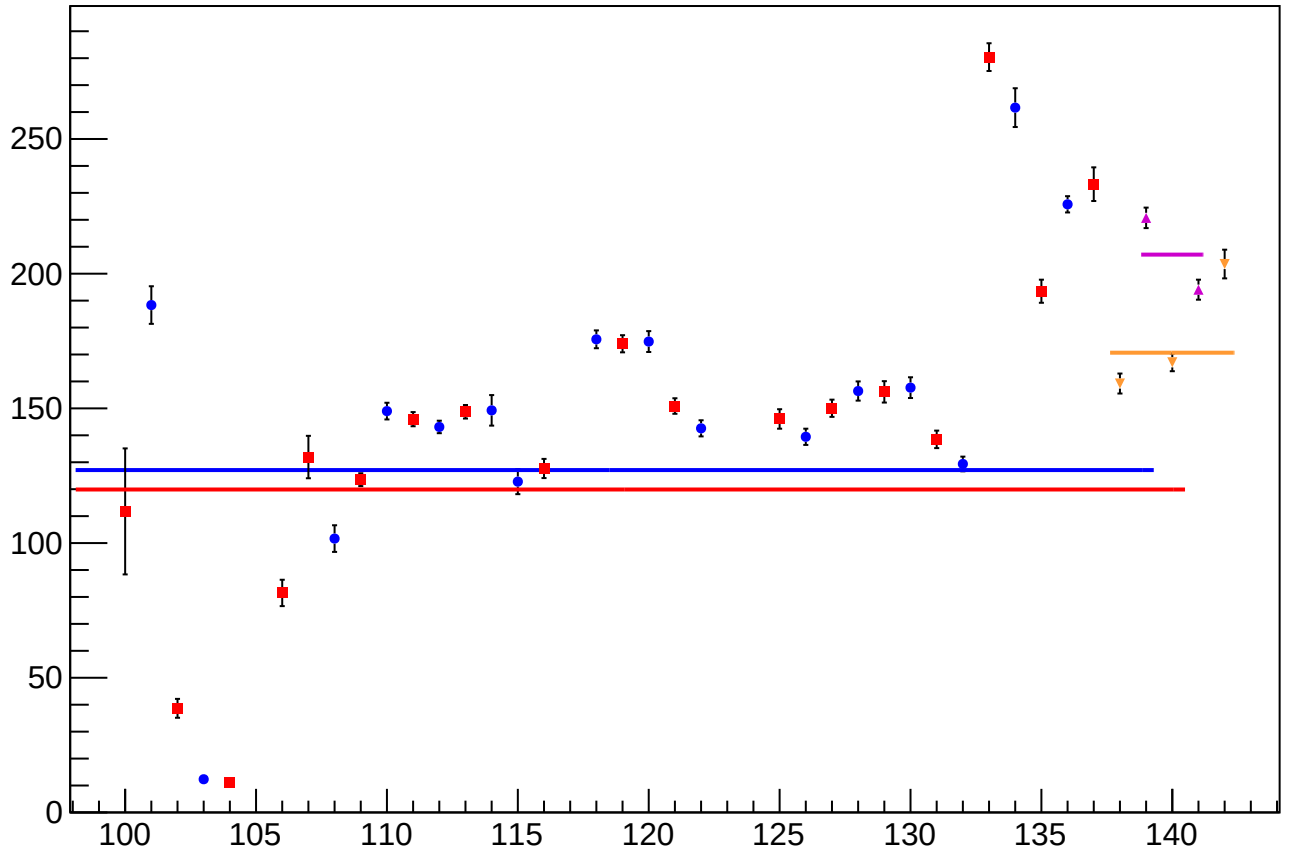
Left: -212.542+/-0.129 χ^2/NDF: 10746.4/4

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -162.939+/-0.089 χ^2/NDF:337765.2/17

Out: -153.488+/-0.085 χ^2/NDF:480170.0/20

All: -158.002+/-0.061 χ^2/NDF: 823841.5/38



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 170.669+/-2.238 χ^2/NDF:48.9/2

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.081+/-2.658 χ^2/NDF:25.1/1

Left: 185.773+/-1.712 χ^2/NDF: 183.8/4

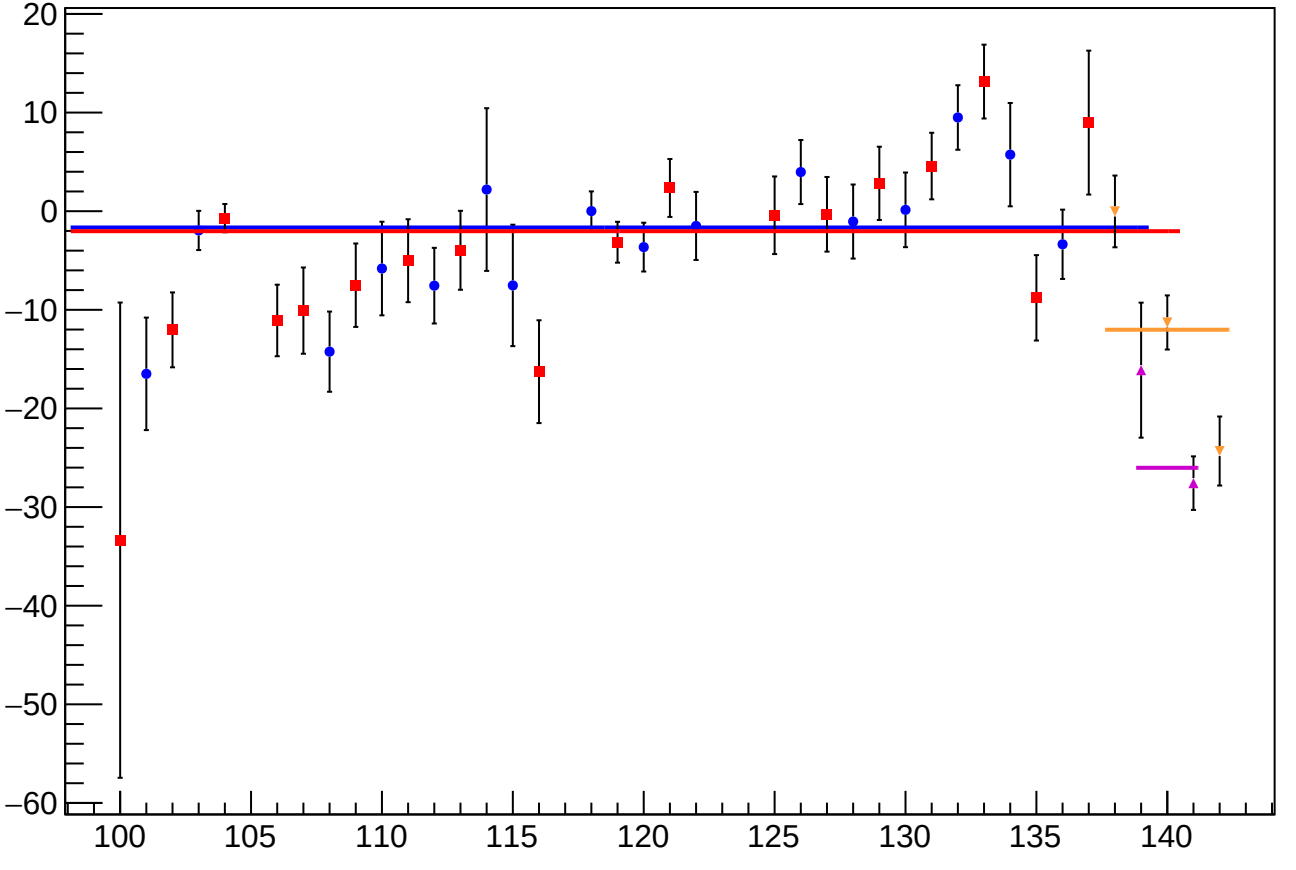
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 133.908+/-0.776 χ^2/NDF:7016.6/17

Out: 125.315+/-0.732 χ^2/NDF:7158.3/20

All: 129.361+/-0.532 χ^2/NDF: 14239.9/38

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: -12.018+/-1.857 χ^2/NDF:23.3/2

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -26.018+/-2.524 χ^2/NDF:2.4/1

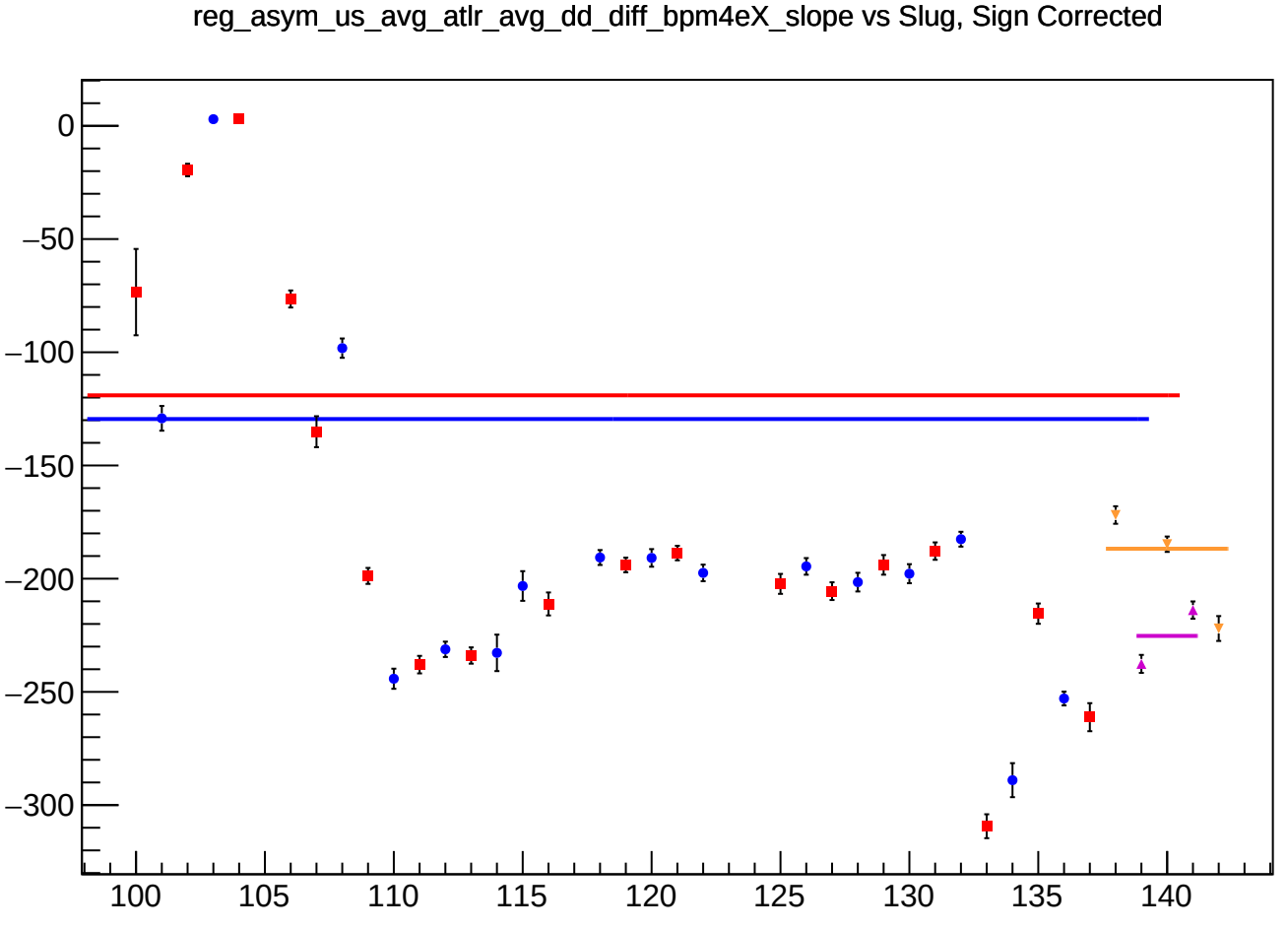
Left: -16.935+/-1.496 χ^2/NDF: 45.7/4

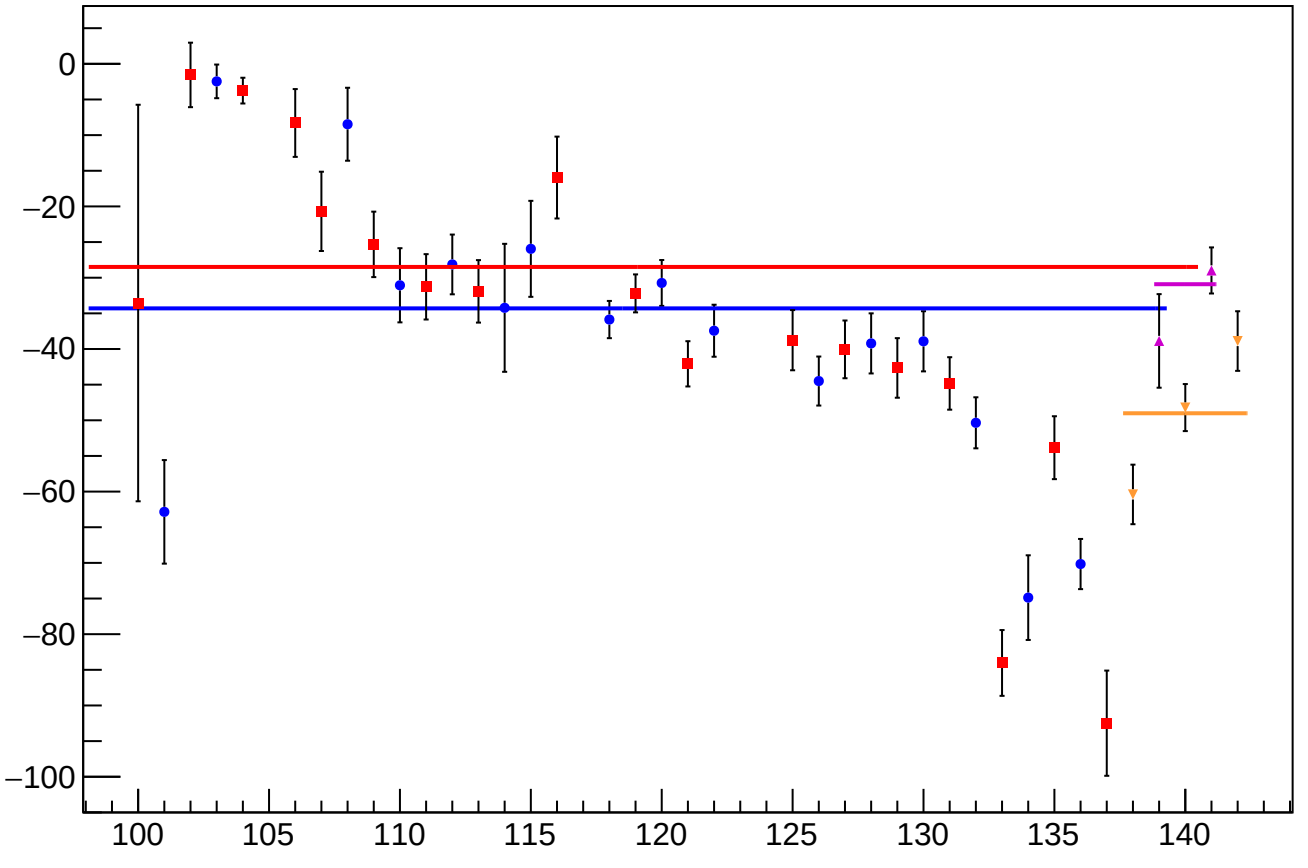
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -4.044+/-0.791 χ^2/NDF:125.6/17

Out: -3.494+/-0.711 χ^2/NDF:106.6/20

All: -3.740+/-0.529 χ^2/NDF: 232.4/38


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
105
110
115
120
125
130
135
140
Right In: -129.497+/-0.846 χ²/NDF: 14687.9/15
Left Out: -186.770+/-2.314 χ²/NDF:56.3/2
Right Out: -119.022+/-0.813 χ²/NDF: 16177.3/17
Left In: -225.275+/-2.748 χ²/NDF:18.7/1
Left: -202.748+/-1.770 χ²/NDF: 189.9/4
Right: -124.047+/-0.586 χ²/NDF: 30944.8/33
In: -137.796+/-0.809 χ²/NDF:15816.1/17
Out: -126.461+/-0.767 χ²/NDF:16996.5/20
All: -131.826+/-0.557 χ²/NDF: 32915.9/38



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -49.014+/-2.201 χ^2/NDF:13.4/2

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -30.910+/-2.899 χ^2/NDF:1.8/1

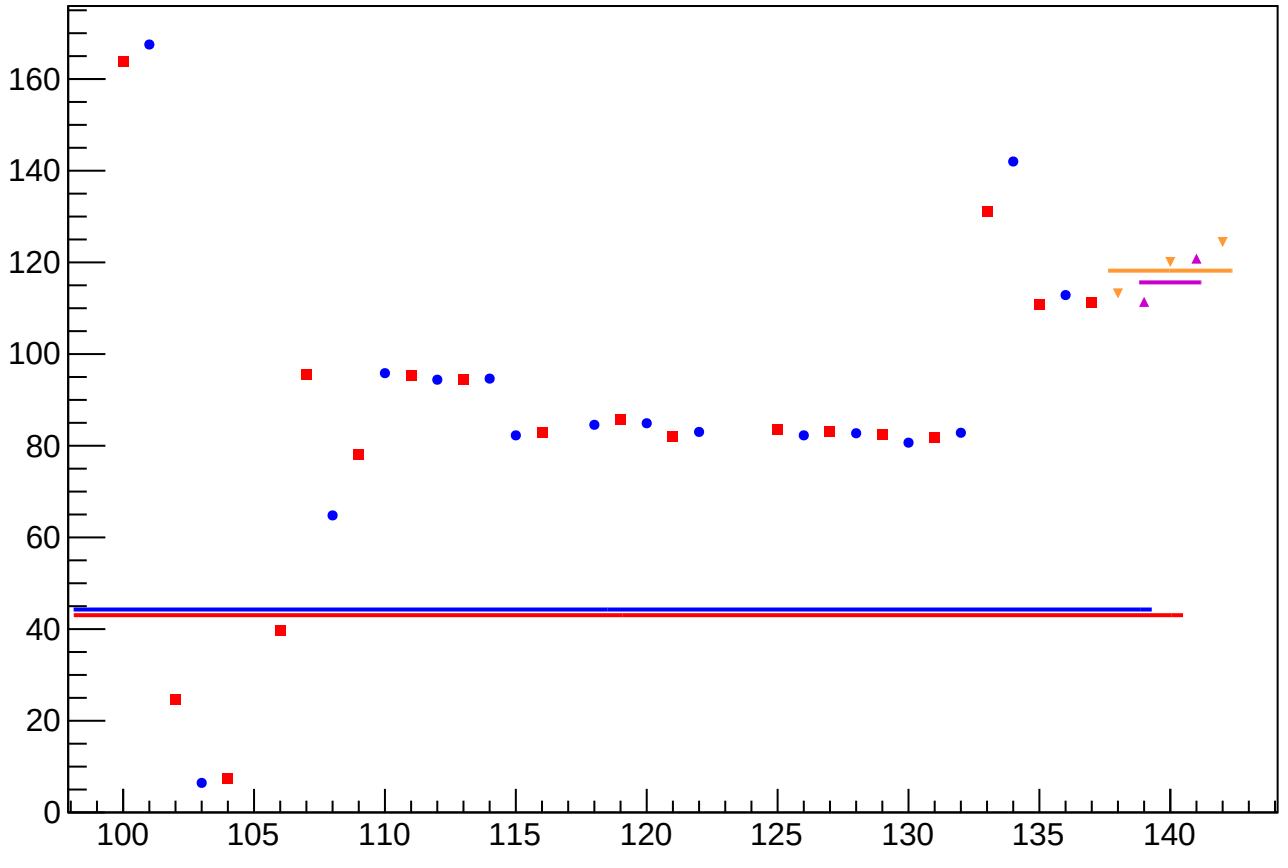
Left: -42.396+/-1.753 χ^2/NDF: 39.9/4

Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -33.961+/-0.918 χ^2/NDF:414.4/17

Out: -31.467+/-0.838 χ^2/NDF:655.7/20

All: -32.601+/-0.619 χ^2/NDF: 1074.1/38



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 118.196+/-0.098 χ^2/NDF:1939.4/2

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.637+/-0.105 χ^2/NDF:2001.5/1

Left: 117.006+/-0.072 χ^2/NDF: 4259.2/4

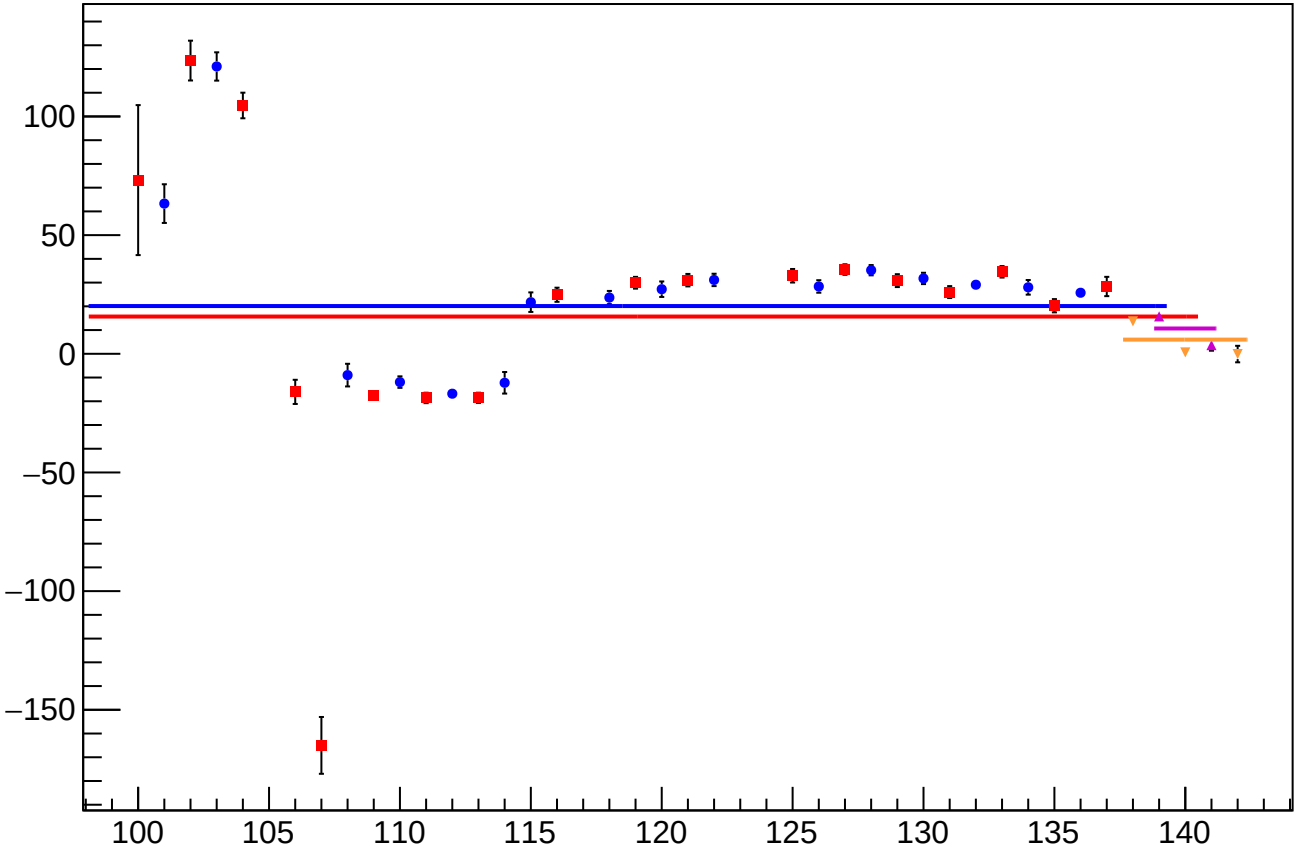
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 55.339+/-0.041 χ^2/NDF:1478026.5/17

Out: 56.180+/-0.041 χ^2/NDF:1294186.9/20

All: 55.764+/-0.029 χ^2/NDF: 2772422.9/38

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.971+/-1.355 χ^2/NDF:23.4/2

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 10.661+/-1.527 χ^2/NDF:15.4/1

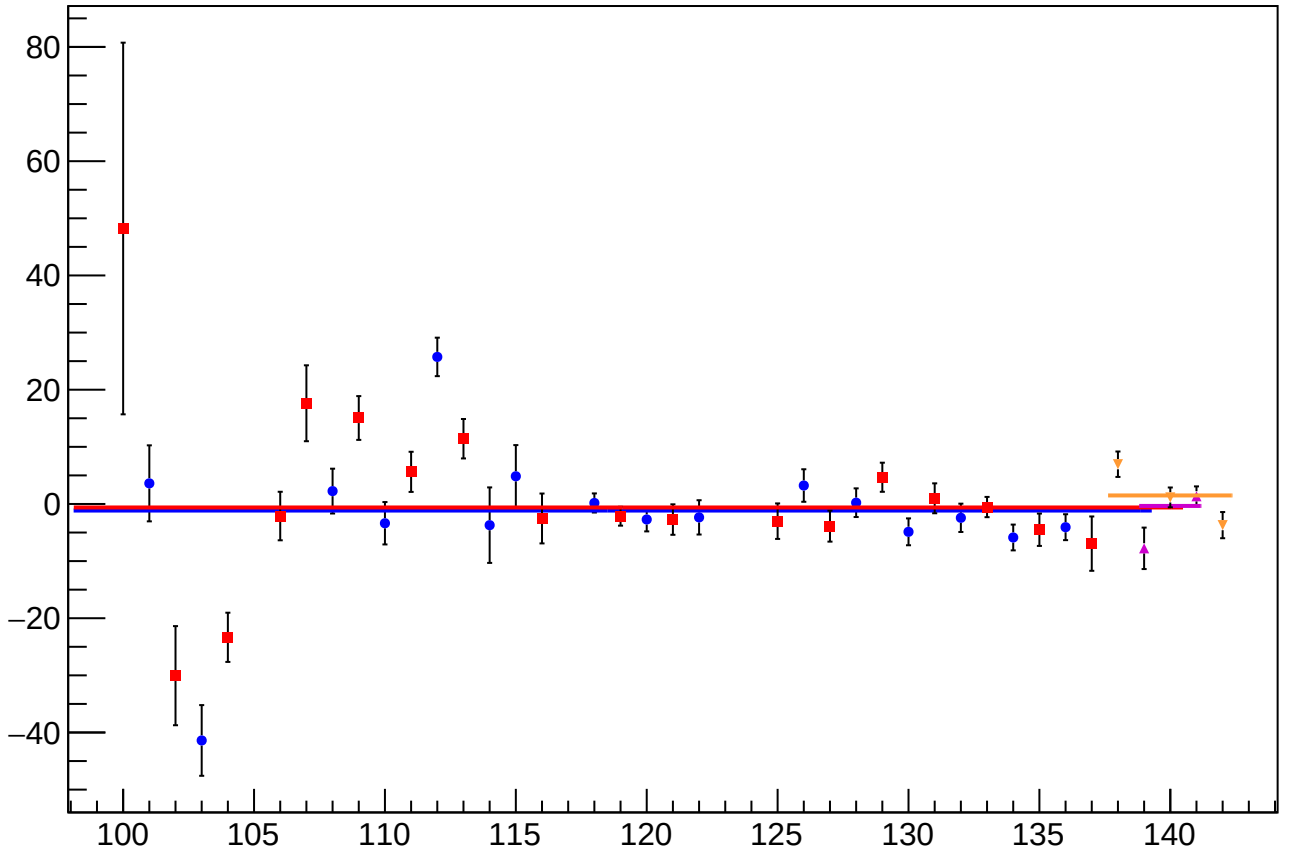
Left: 8.037+/-1.013 χ^2/NDF: 44.0/4

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 18.525+/-0.627 χ^2/NDF:1095.4/17

Out: 13.733+/-0.609 χ^2/NDF:1838.3/20

All: 16.062+/-0.437 χ^2/NDF: 2963.8/38



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 1.492+/-1.175 χ^2/NDF:11.2/2

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.344+/-1.562 χ^2/NDF:5.1/1

Left: 0.828+/-0.939 χ^2/NDF: 17.2/4

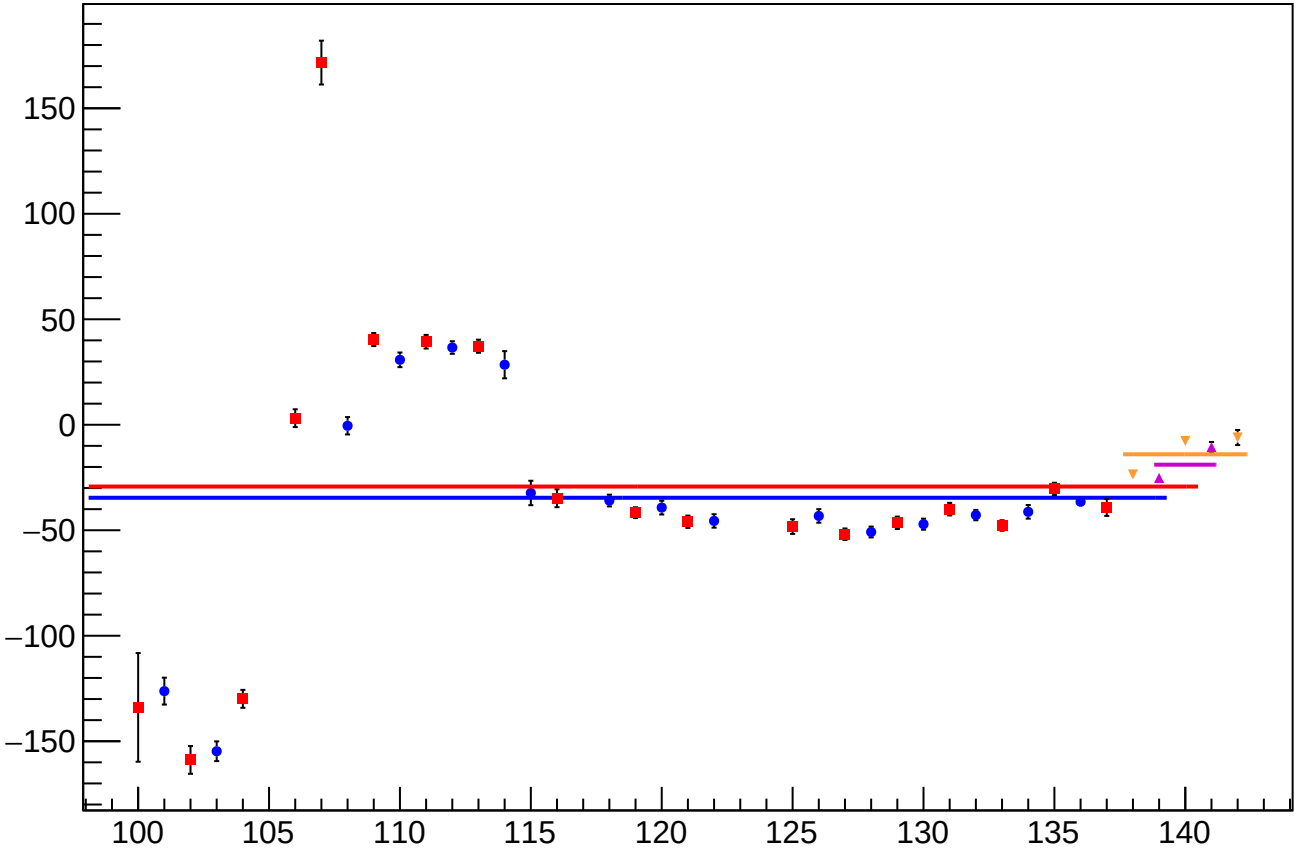
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -1.016+/-0.638 χ^2/NDF:127.2/17

Out: -0.047+/-0.610 χ^2/NDF:106.9/20

All: -0.510+/-0.441 χ^2/NDF: 235.3/38

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: -14.001+/-1.403 χ^2/NDF:32.9/2

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -18.922+/-1.580 χ^2/NDF:21.0/1

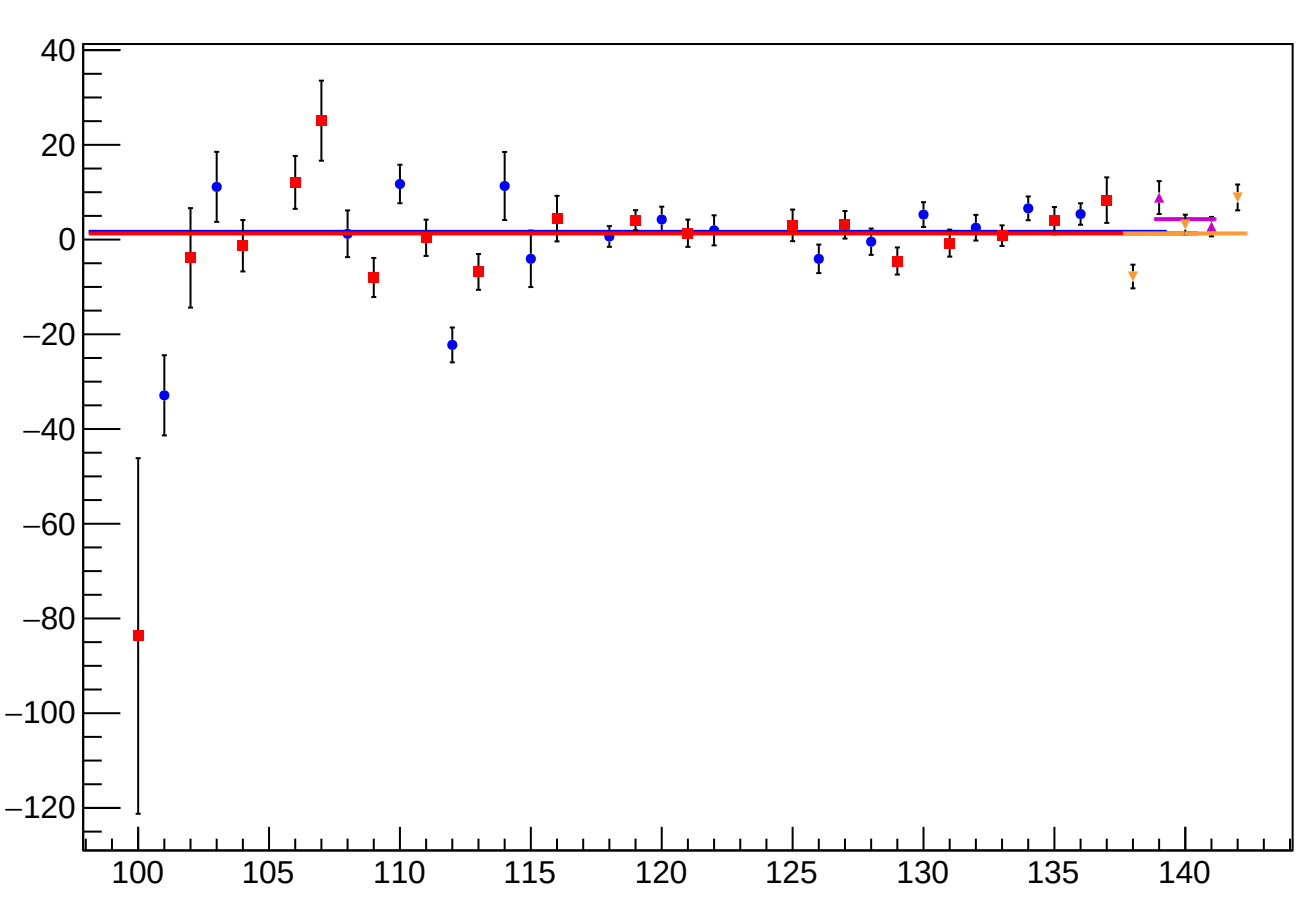
Left: -16.170+/-1.049 χ^2/NDF: 59.3/4

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -31.488+/-0.704 χ^2/NDF:2158.3/17

Out: -25.530+/-0.695 χ^2/NDF:3203.5/20

All: -28.470+/-0.494 χ^2/NDF: 5398.1/38



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 1.292+/-1.378 χ^2/NDF:21.9/2

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.314+/-1.767 χ^2/NDF:2.3/1

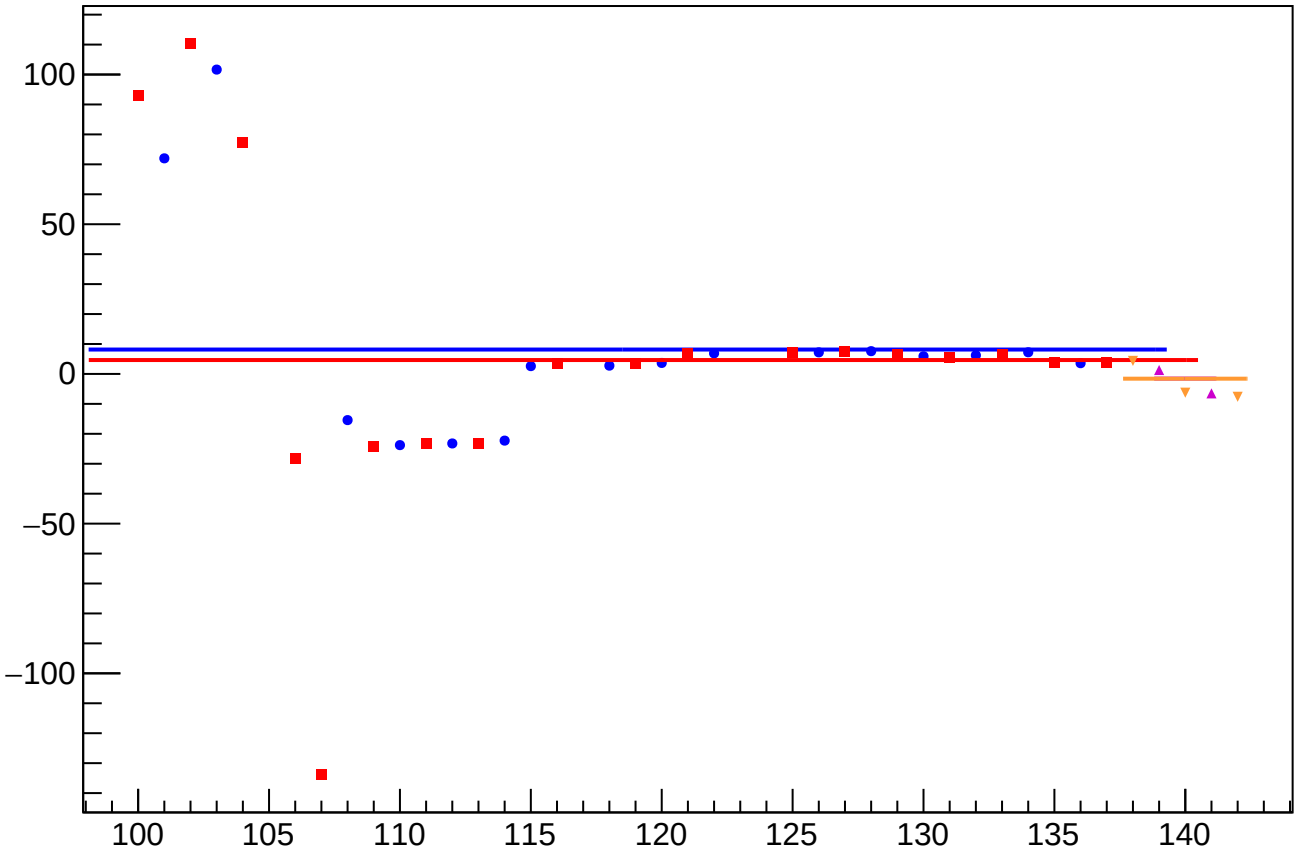
Left: 2.435+/-1.086 χ^2/NDF: 26.0/4

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.084+/-0.726 χ^2/NDF:87.5/17

Out: 1.297+/-0.702 χ^2/NDF:59.4/20

All: 1.677+/-0.505 χ^2/NDF: 147.5/38



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.588+/-0.058 χ^2/NDF:8978.6/2

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.559+/-0.059 χ^2/NDF:3994.3/1

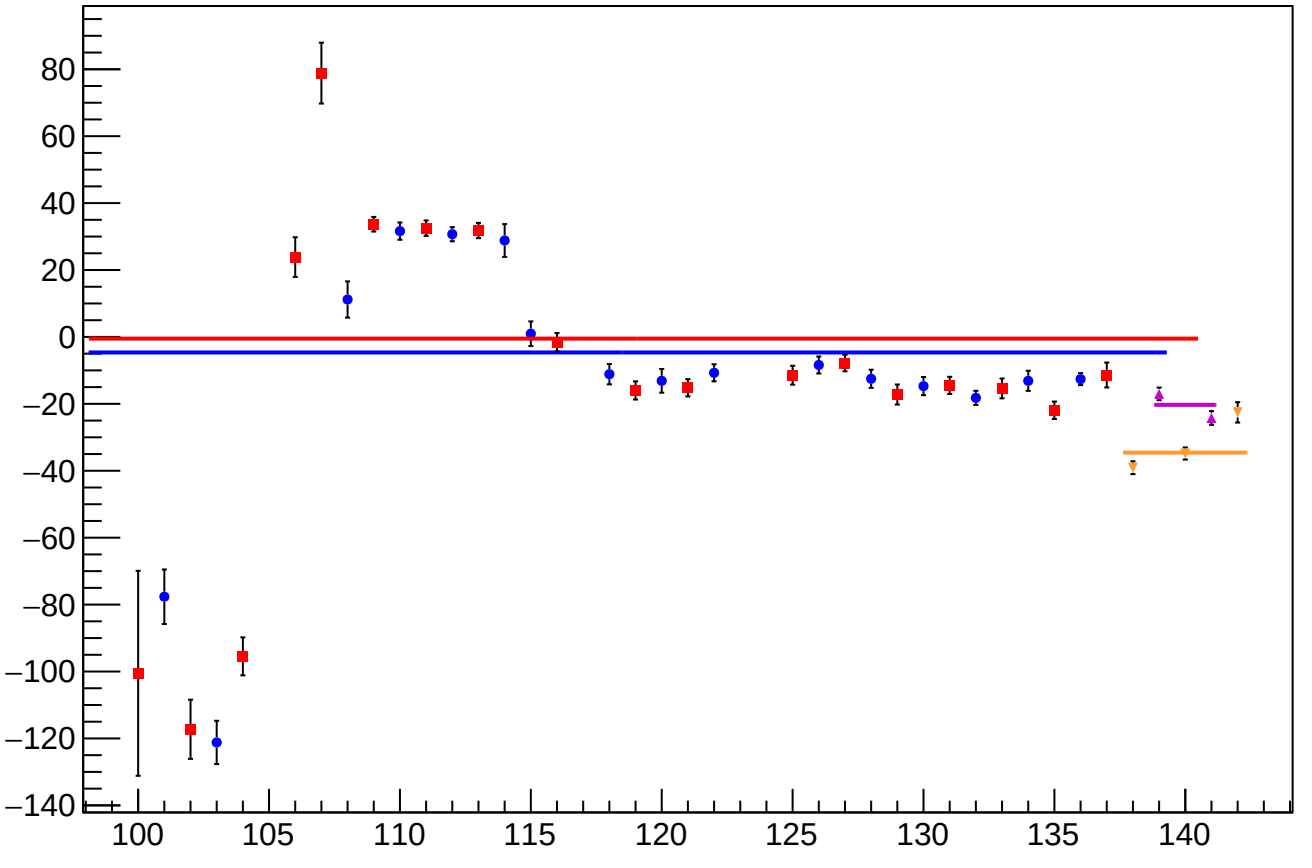
Left: -1.574+/-0.042 χ^2/NDF: 12973.0/4

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 4.284+/-0.038 χ^2/NDF:333364.6/17

Out: 1.891+/-0.039 χ^2/NDF:462187.1/20

All: 3.122+/-0.027 χ^2/NDF: 797524.6/38



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -34.582+/-1.212 χ^2/NDF:21.1/2

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -20.307+/-1.395 χ^2/NDF:6.6/1

Left: -28.441+/-0.915 χ^2/NDF: 87.4/4

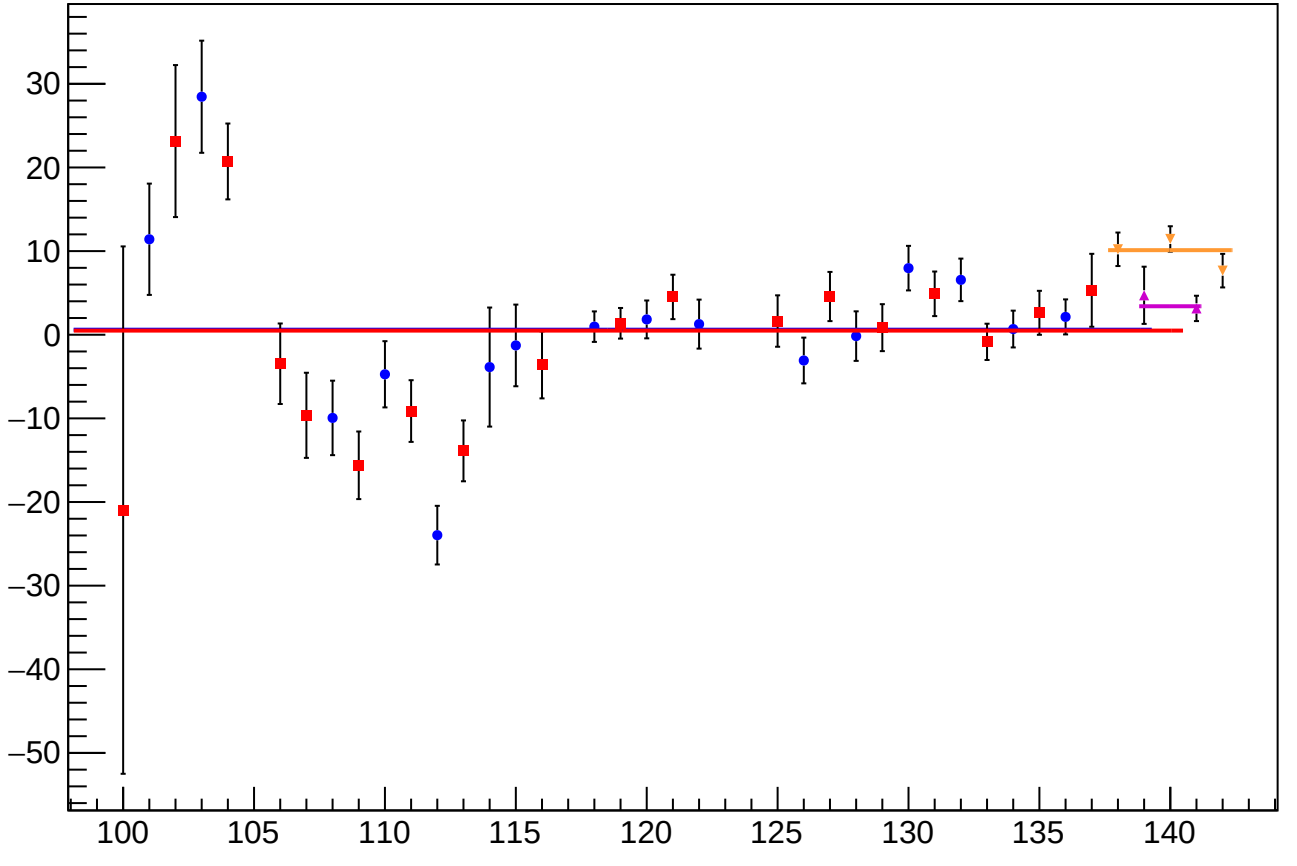
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -7.876+/-0.634 χ^2/NDF:1153.0/17

Out: -9.229+/-0.613 χ^2/NDF:2067.2/20

All: -8.575+/-0.441 χ^2/NDF: 3222.5/38

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 10.113+/-1.036 χ^2/NDF:2.3/2

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 3.406+/-1.385 χ^2/NDF:0.2/1

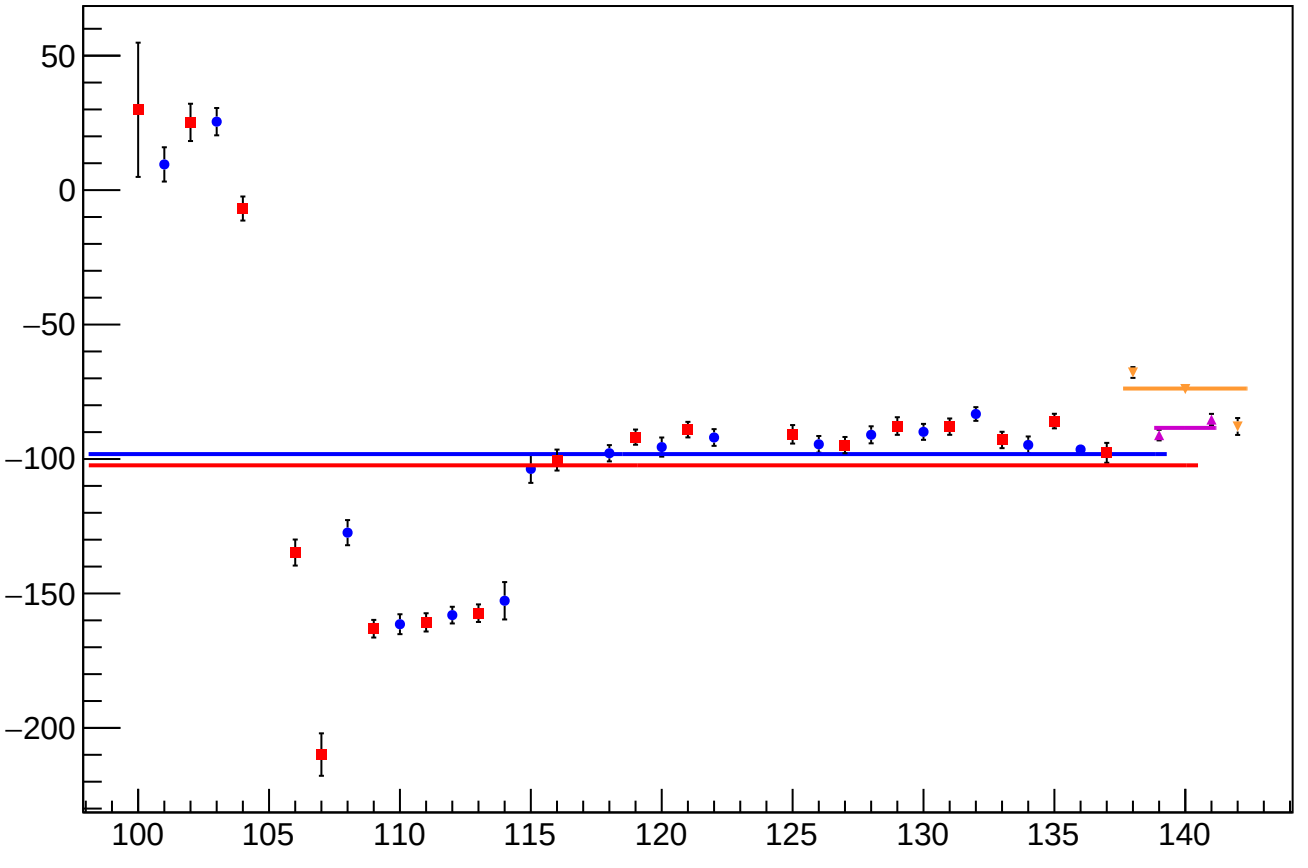
Left: 7.707+/-0.830 χ^2/NDF: 17.5/4

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.207+/-0.644 χ^2/NDF:96.3/17

Out: 3.830+/-0.610 χ^2/NDF:138.7/20

All: 2.589+/-0.443 χ^2/NDF: 243.7/38



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -73.793+/-1.254 χ^2/NDF:29.0/2

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.423+/-1.443 χ^2/NDF:4.0/1

Left: -80.089+/-0.947 χ^2/NDF: 91.5/4

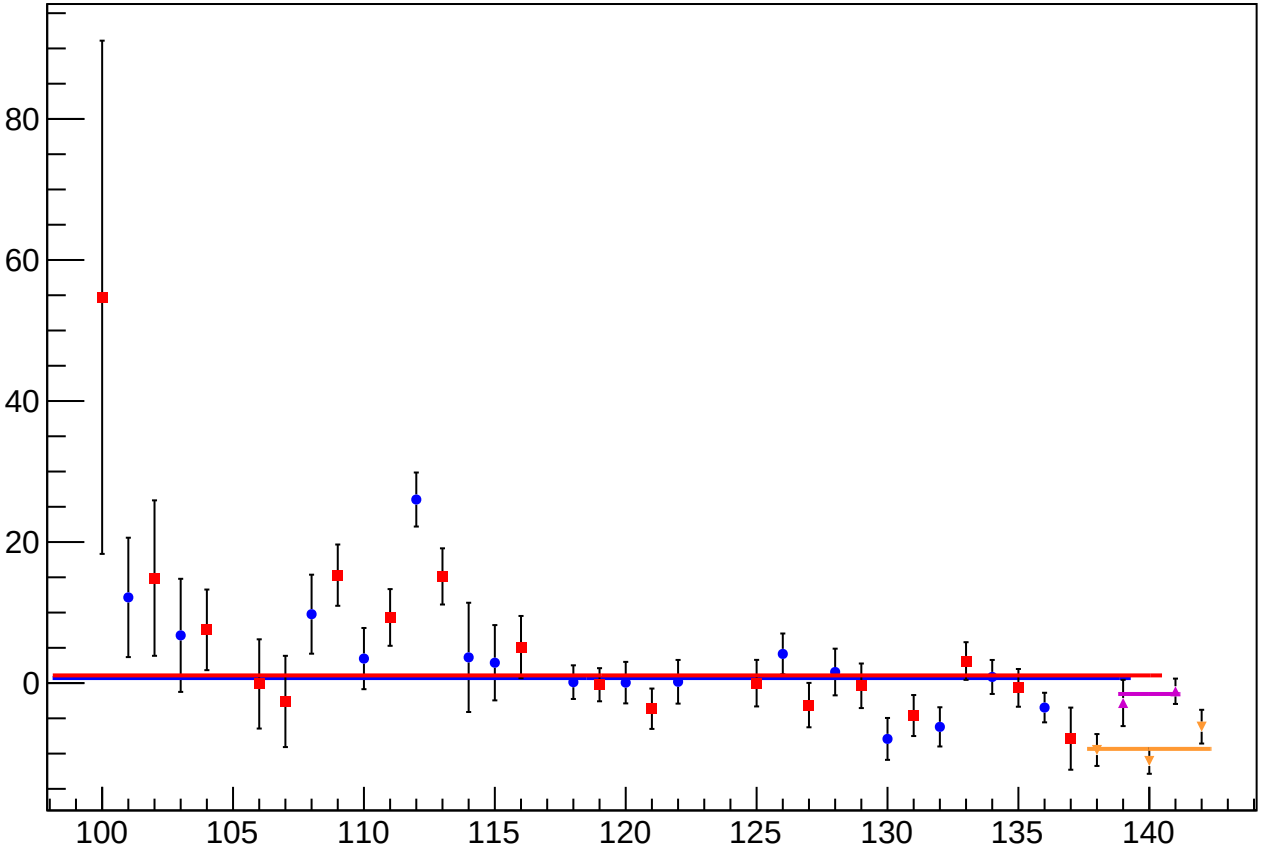
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.821+/-0.708 χ^2/NDF:1738.5/17

Out: -93.551+/-0.696 χ^2/NDF:2505.2/20

All: -94.667+/-0.496 χ^2/NDF: 4249.0/38

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: -9.331+/-1.219 χ^2/NDF:2.6/2

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.545+/-1.576 χ^2/NDF:0.2/1

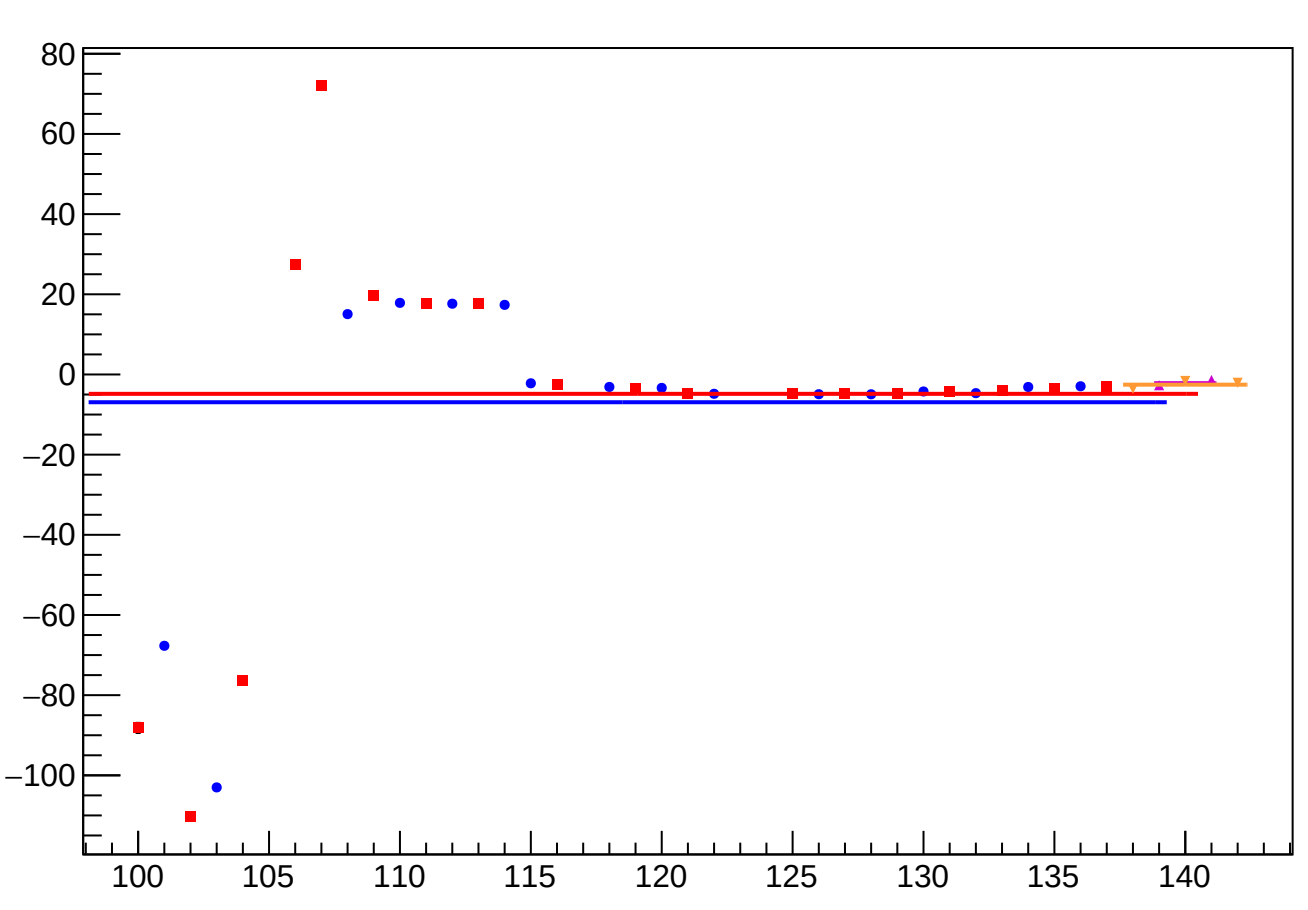
Left: -6.417+/-0.964 χ^2/NDF: 18.1/4

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.229+/-0.728 χ^2/NDF:71.4/17

Out: -2.355+/-0.701 χ^2/NDF:99.2/20

All: -1.113+/-0.505 χ^2/NDF: 177.2/38



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.545+/-0.052 χ^2/NDF:306.0/2

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -2.163+/-0.055 χ^2/NDF:139.4/1

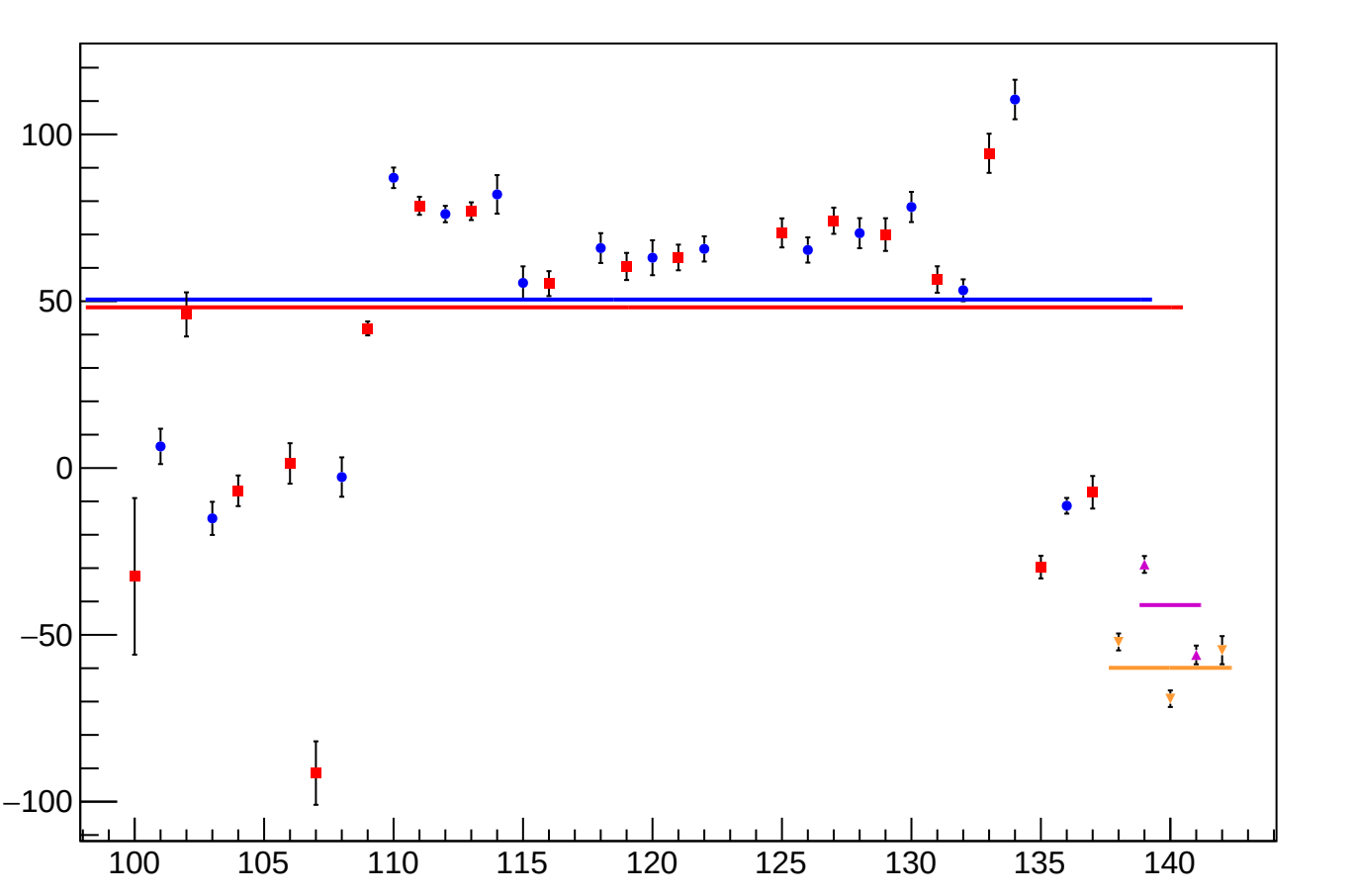
Left: -2.362+/-0.038 χ^2/NDF: 471.0/4

Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -4.824+/-0.036 χ^2/NDF:269581.8/17

Out: -3.678+/-0.037 χ^2/NDF:340617.2/20

All: -4.264+/-0.026 χ^2/NDF: 610686.2/38



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -59.881+/-1.635 χ^2/NDF:24.9/2

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -41.068+/-1.875 χ^2/NDF:51.8/1

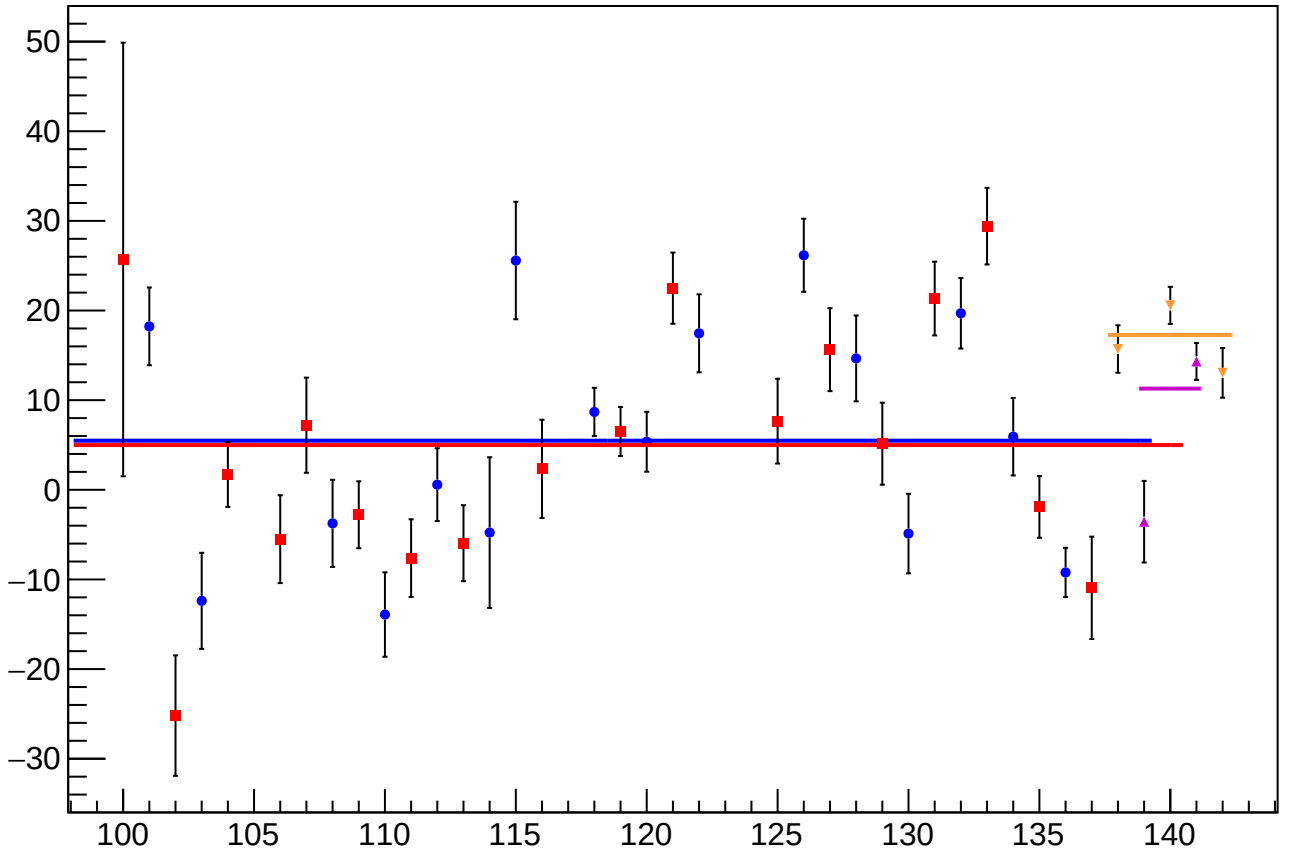
Left: -51.754+/-1.232 χ^2/NDF: 133.9/4

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 31.309+/-0.858 χ^2/NDF:3441.5/17

Out: 22.426+/-0.798 χ^2/NDF:4872.3/20

All: 26.545+/-0.584 χ^2/NDF: 8371.3/38



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 17.267+/-1.407 χ^2/NDF:5.2/2

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 11.293+/-1.873 χ^2/NDF:12.8/1

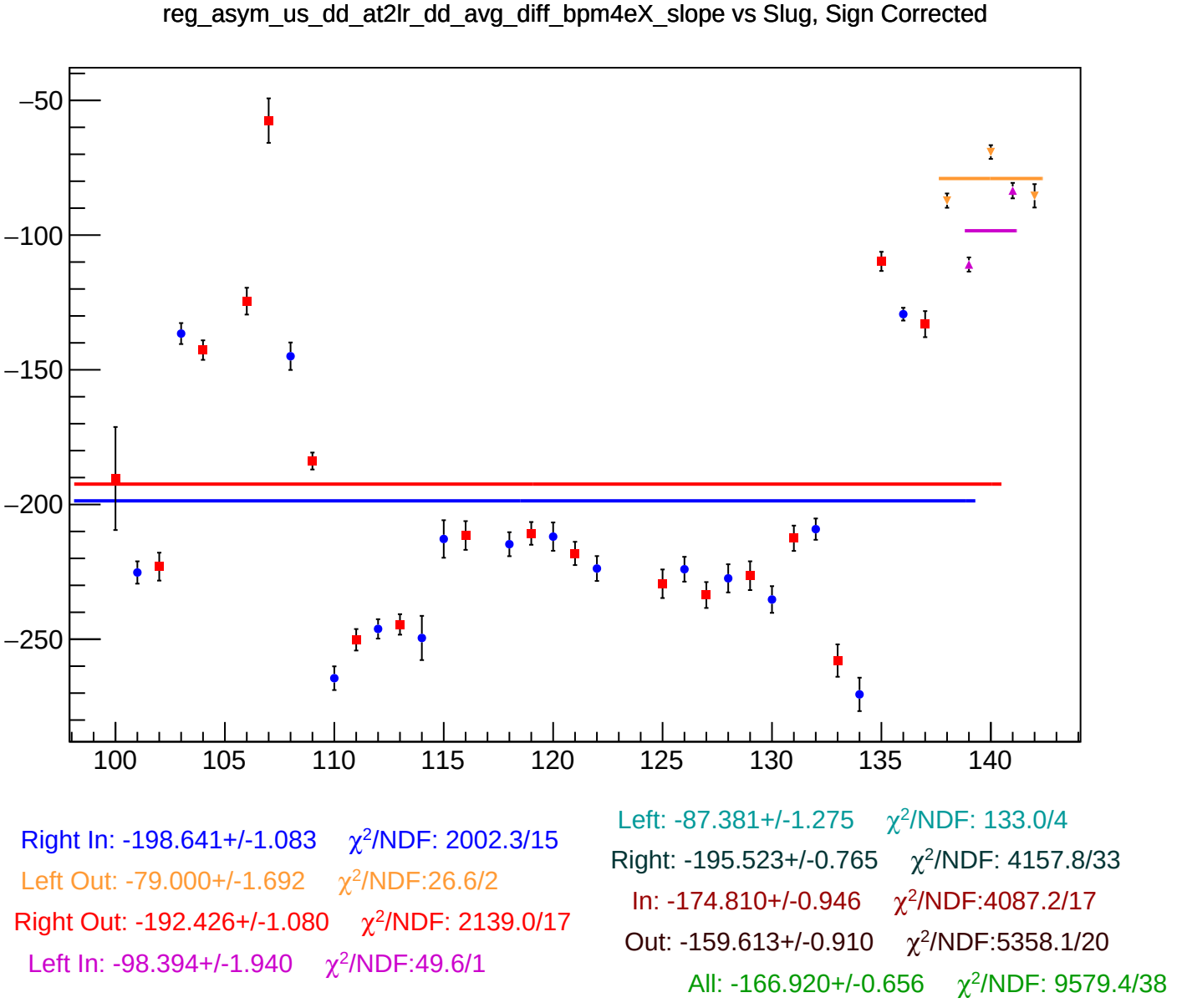
Left: 15.112+/-1.125 χ^2/NDF: 24.5/4

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

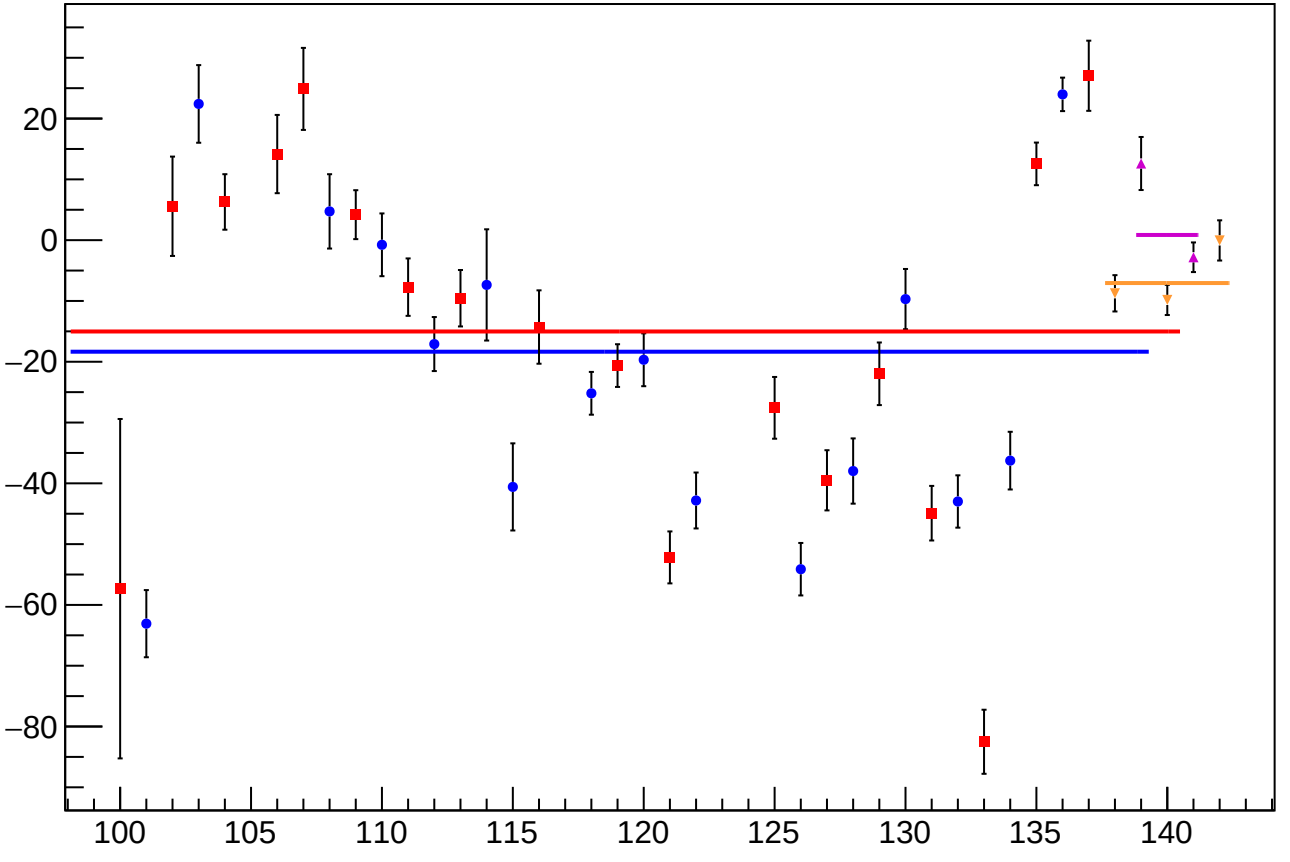
In: 6.813+/-0.897 χ^2/NDF:158.4/17

Out: 9.235+/-0.827 χ^2/NDF:186.9/20

All: 8.122+/-0.608 χ^2/NDF: 349.2/38


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: -79.000+/-1.692 χ²/NDF:26.6/2
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -98.394+/-1.940 χ²/NDF:49.6/1
Left: -87.381+/-1.275 χ²/NDF: 133.0/4
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -174.810+/-0.946 χ²/NDF:4087.2/17
Out: -159.613+/-0.910 χ²/NDF:5358.1/20
All: -166.920+/-0.656 χ²/NDF: 9579.4/38

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -7.054+/-1.653 χ^2/NDF:6.1/2

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 0.856+/-2.128 χ^2/NDF:9.5/1

Left: -4.077+/-1.305 χ^2/NDF: 24.2/4

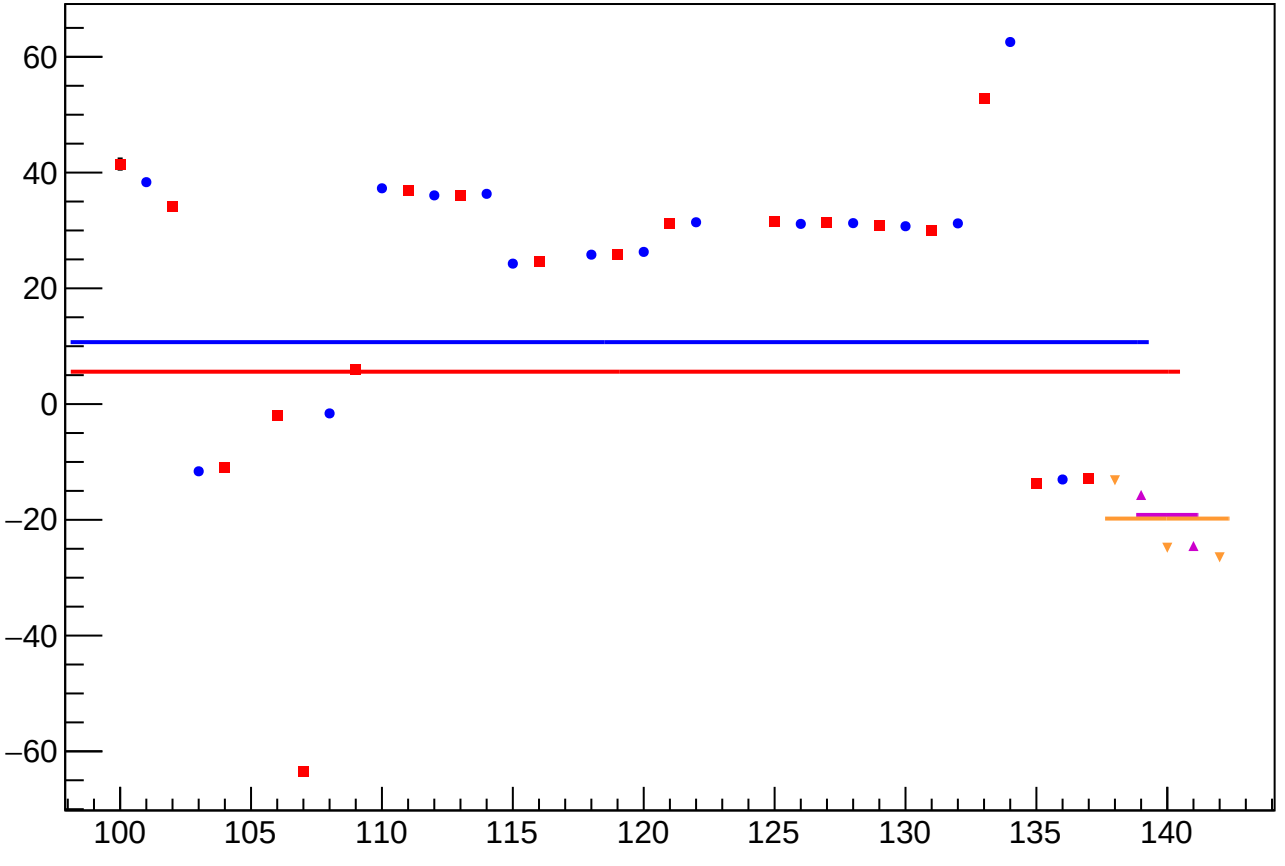
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -13.953+/-1.018 χ^2/NDF:616.2/17

Out: -12.387+/-0.951 χ^2/NDF:568.1/20

All: -13.116+/-0.695 χ^2/NDF: 1185.6/38

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: -19.784+/-0.070 χ^2/NDF:7419.1/2

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: -19.481+/-0.051 χ^2/NDF: 10914.4/4

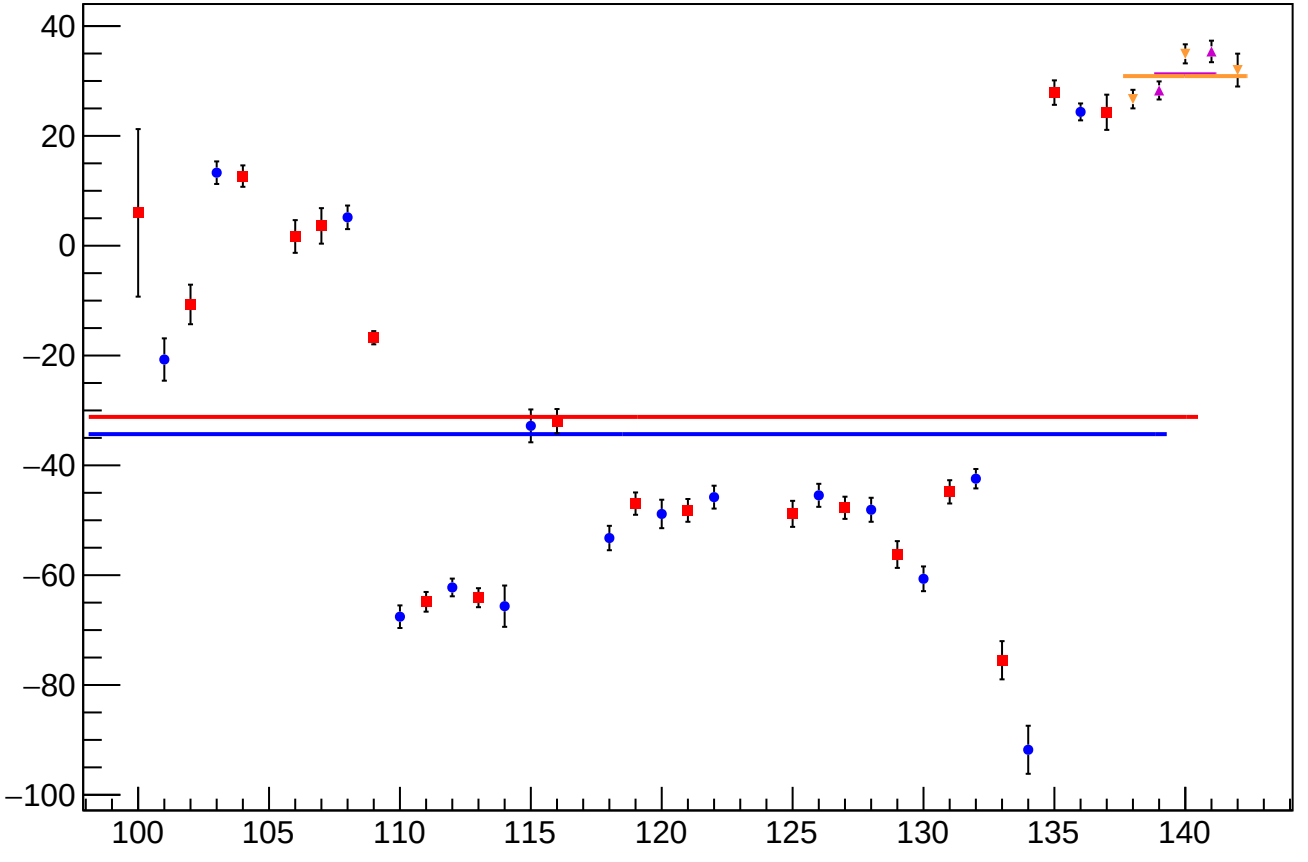
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -1.977+/-0.048 χ^2/NDF:264006.5/17

Out: -5.810+/-0.047 χ^2/NDF:233909.2/20

All: -3.914+/-0.034 χ^2/NDF: 501176.9/38

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: 30.889+/-1.123 χ^2/NDF:11.7/2

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 31.213+/-1.261 χ^2/NDF:7.7/1

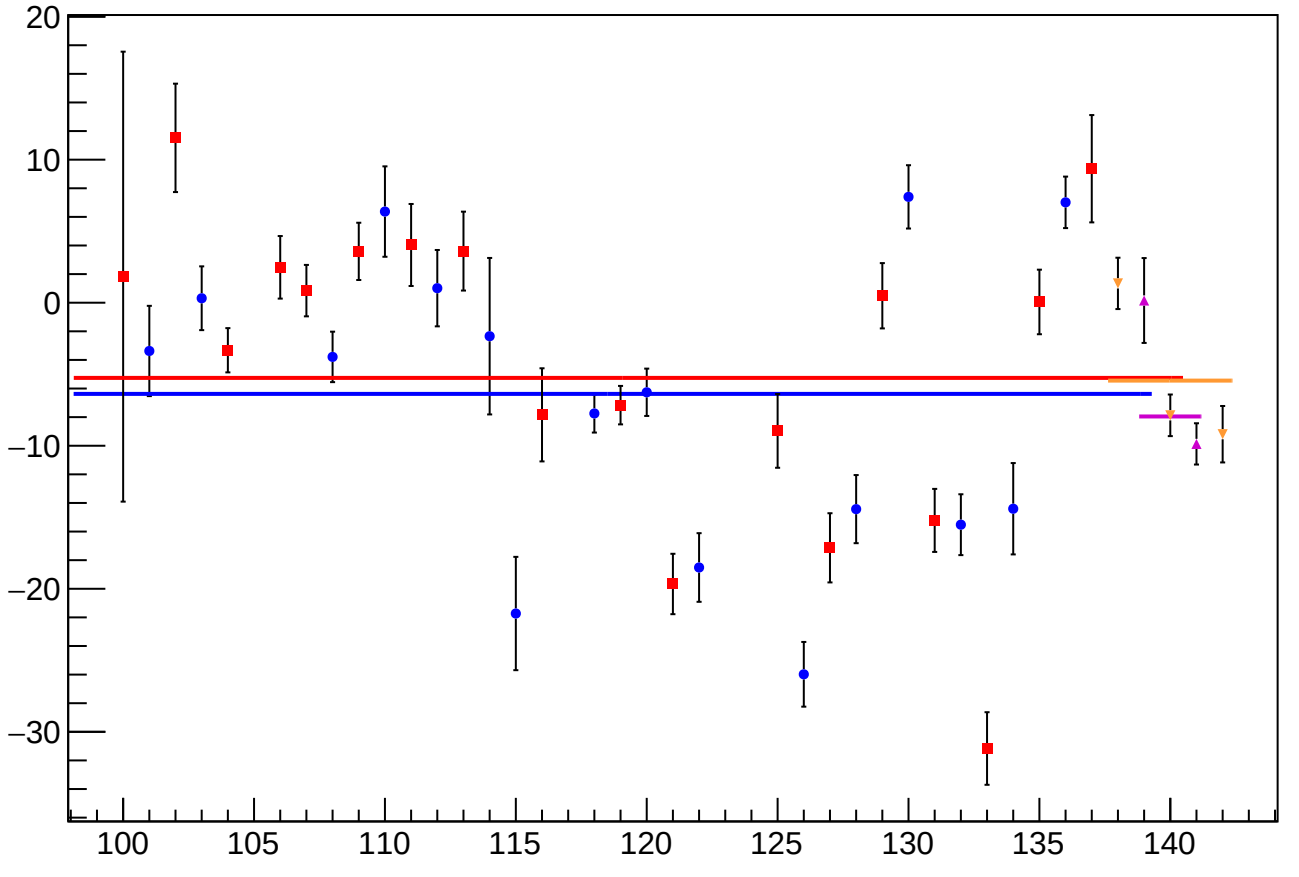
Left: 31.032+/-0.838 χ^2/NDF: 19.4/4

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -23.909+/-0.502 χ^2/NDF:5780.4/17

Out: -20.362+/-0.469 χ^2/NDF:5735.1/20

All: -22.013+/-0.343 χ^2/NDF: 11542.2/38



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -5.446+/-0.981 χ^2/NDF:20.7/2

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: -6.357+/-0.782 χ^2/NDF: 32.3/4

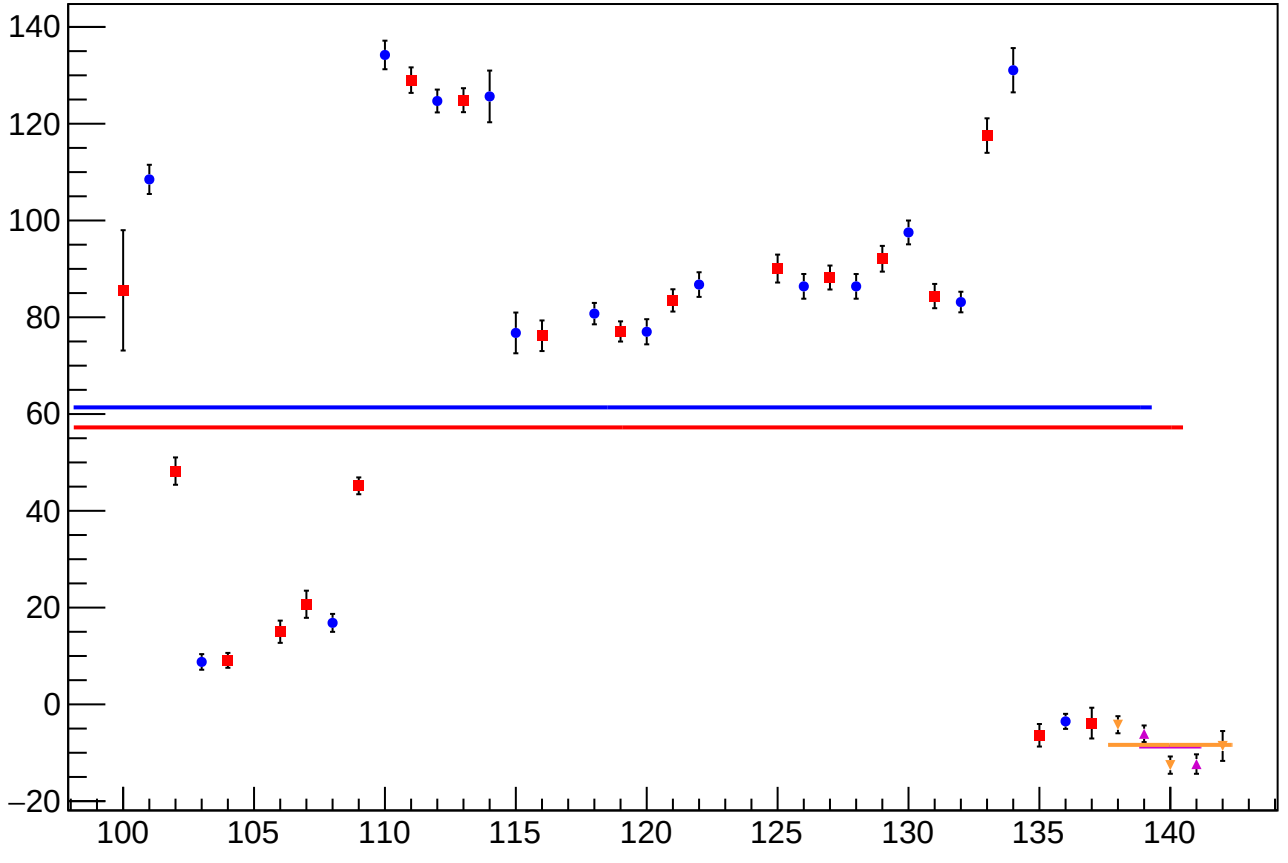
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -6.618+/-0.509 χ^2/NDF:294.1/17

Out: -5.300+/-0.468 χ^2/NDF:333.7/20

All: -5.903+/-0.345 χ^2/NDF: 631.4/38

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: -8.369+/-1.163 χ^2/NDF:11.1/2

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.711+/-1.305 χ^2/NDF:5.6/1

Left: -8.520+/-0.868 χ^2/NDF: 16.7/4

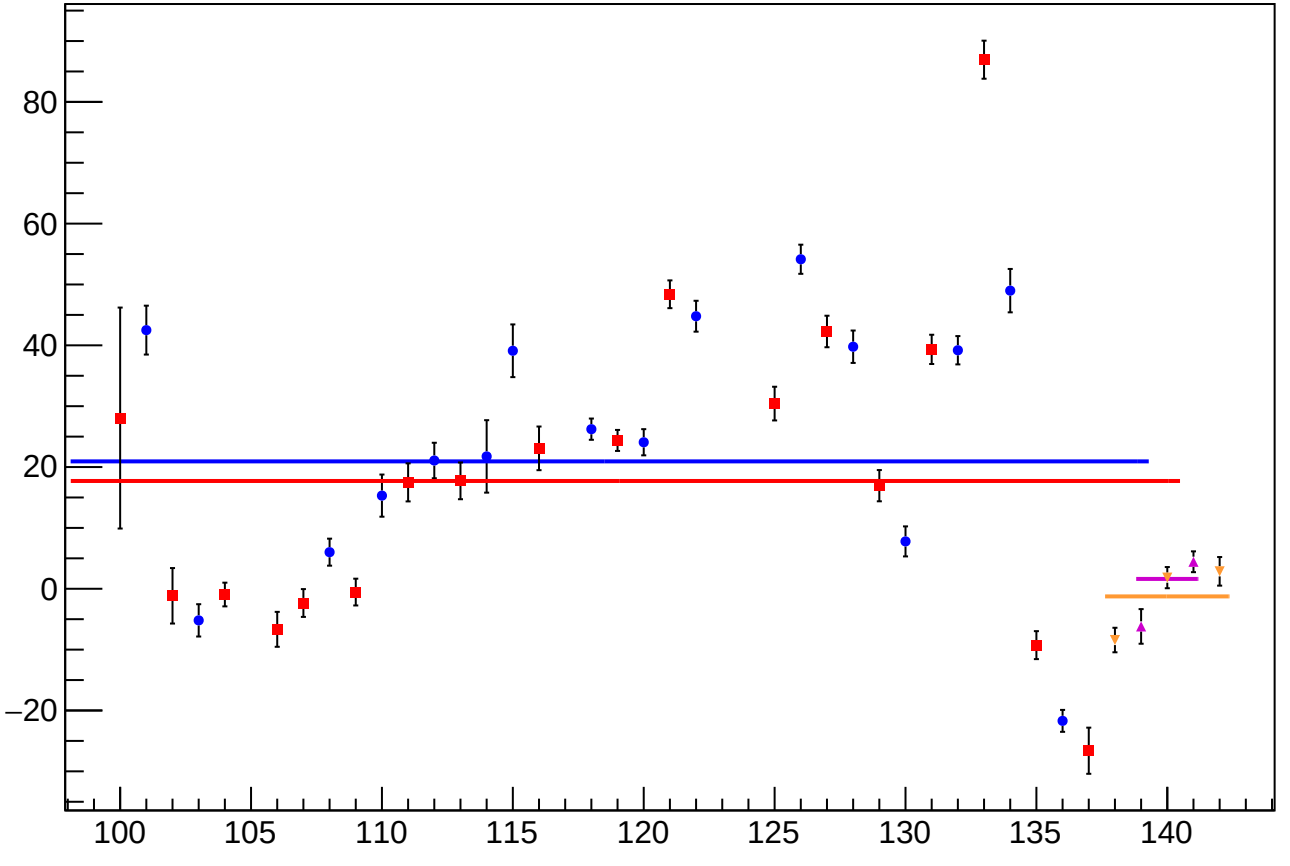
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 49.345+/-0.541 χ^2/NDF:8459.9/17

Out: 44.164+/-0.519 χ^2/NDF:7827.1/20

All: 46.649+/-0.375 χ^2/NDF: 16334.7/38

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.257+/-1.149 χ^2/NDF:18.9/2

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: 1.616+/-1.466 χ^2/NDF:10.2/1

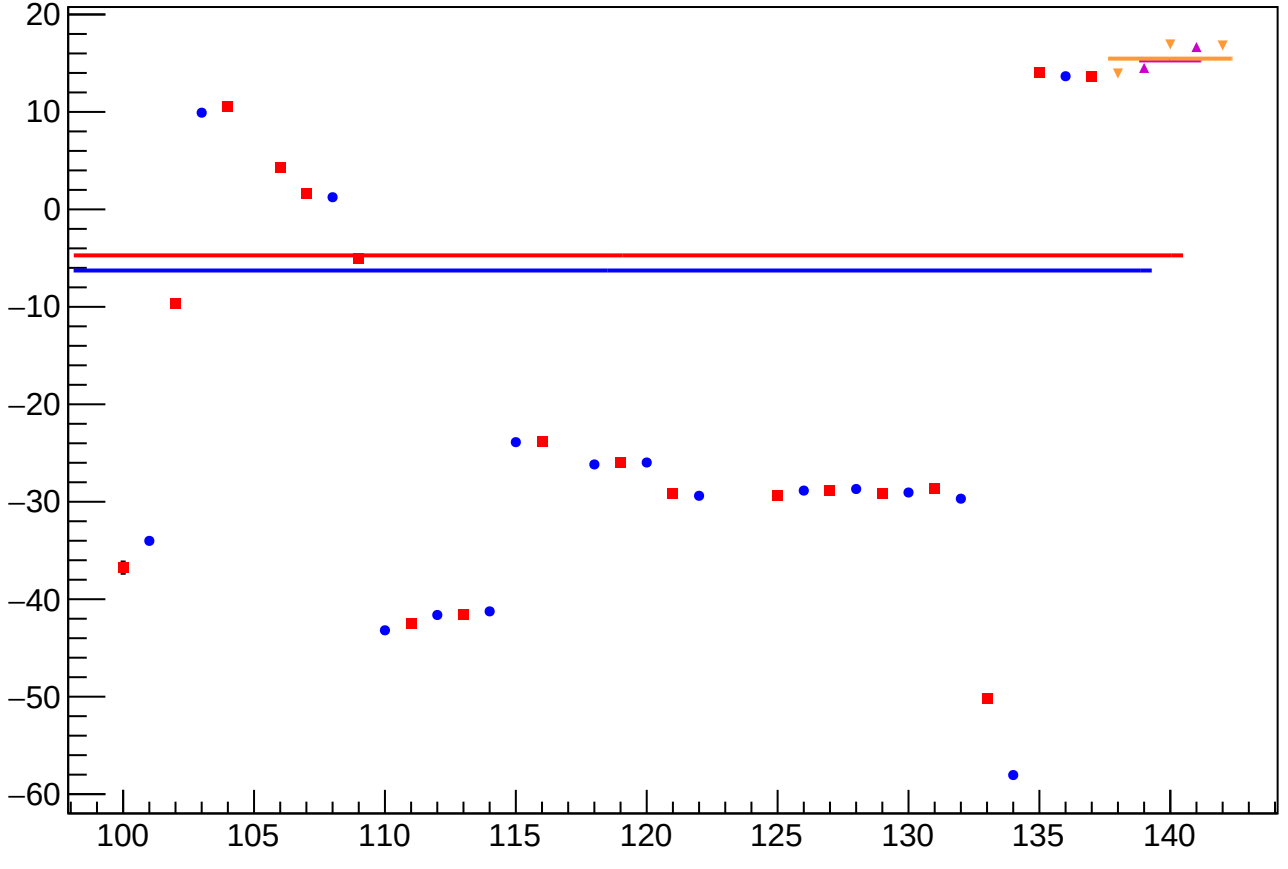
Left: -0.164+/-0.904 χ^2/NDF: 31.5/4

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 17.837+/-0.587 χ^2/NDF:1401.5/17

Out: 13.452+/-0.544 χ^2/NDF:1712.2/20

All: 15.481+/-0.399 χ^2/NDF: 3143.7/38



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.470+/-0.048 χ^2/NDF:937.7/2

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.284+/-0.049 χ^2/NDF:439.1/1

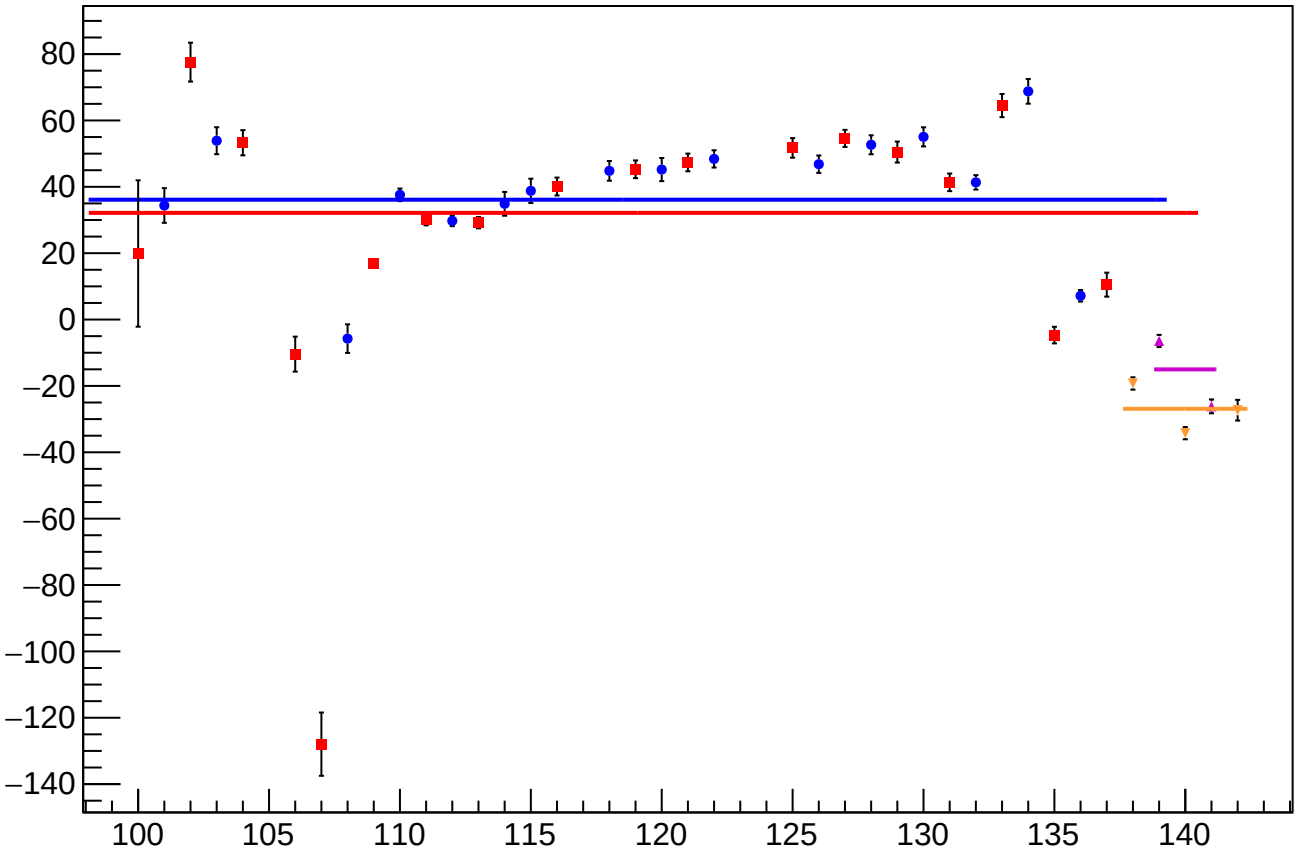
Left: 15.379+/-0.034 χ^2/NDF: 1384.1/4

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 0.565+/-0.028 χ^2/NDF:542870.5/17

Out: 1.914+/-0.028 χ^2/NDF:425615.1/20

All: 1.240+/-0.020 χ^2/NDF: 969678.5/38



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -26.896+/-1.212 χ^2/NDF:32.5/2

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: -21.723+/-0.910 χ^2/NDF: 124.5/4

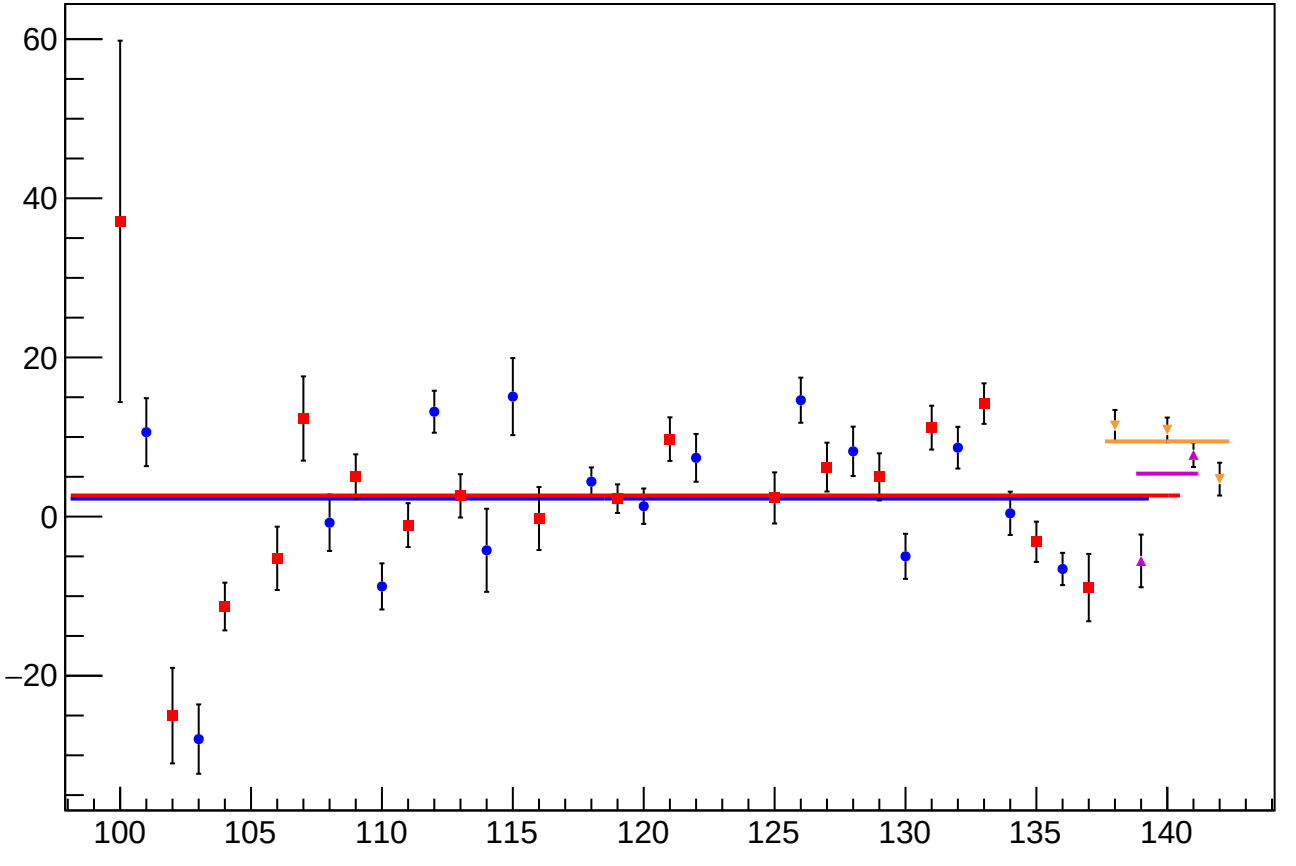
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 26.679+/-0.593 χ^2/NDF:1793.1/17

Out: 19.565+/-0.559 χ^2/NDF:3015.6/20

All: 22.916+/-0.407 χ^2/NDF: 4884.9/38

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: 9.446+/-1.048 χ^2/NDF:7.2/2

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: 7.986+/-0.838 χ^2/NDF: 25.9/4

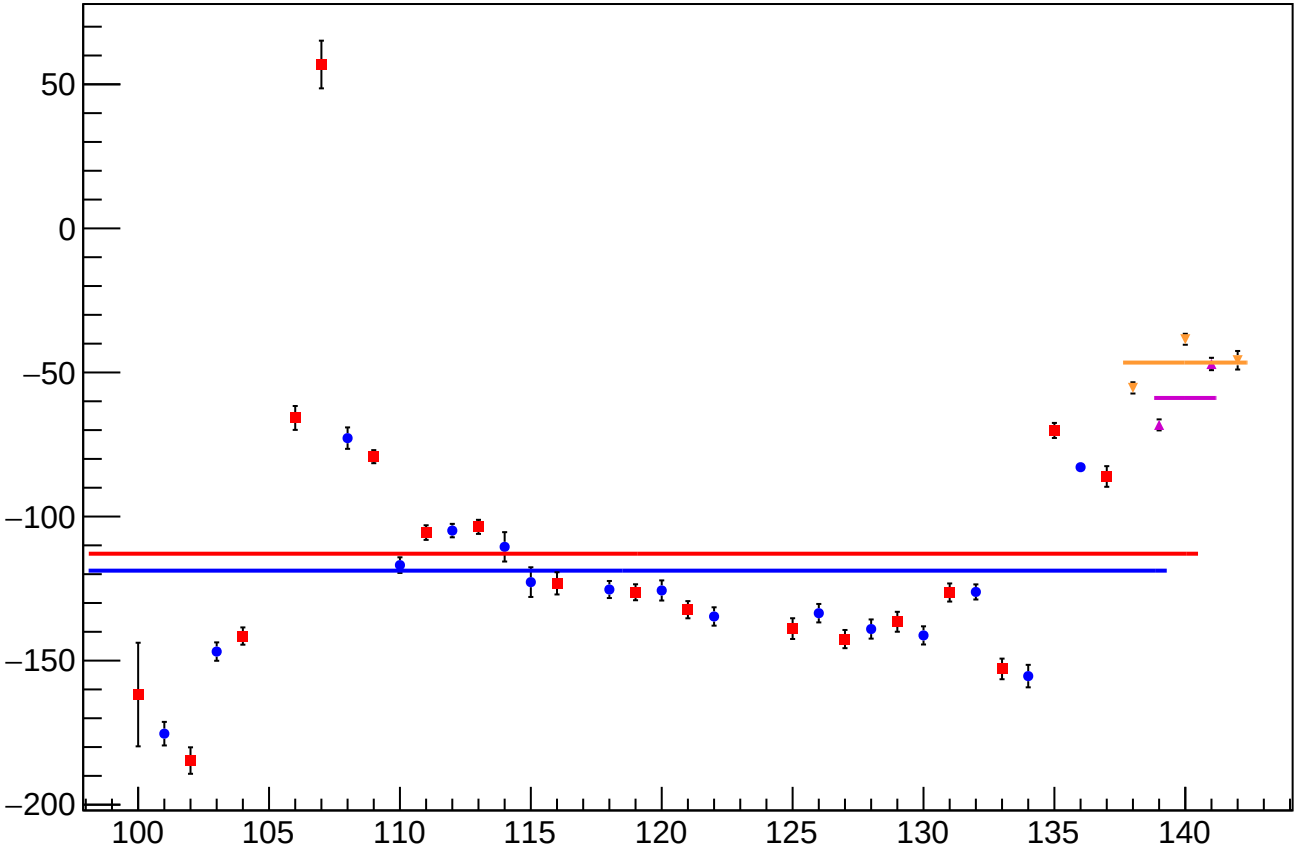
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 2.897+/-0.627 χ^2/NDF:169.4/17

Out: 4.811+/-0.591 χ^2/NDF:143.1/20

All: 3.911+/-0.430 χ^2/NDF: 317.4/38

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: -46.567+/-1.255 χ^2/NDF:38.4/2

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.846+/-1.428 χ^2/NDF:54.1/1

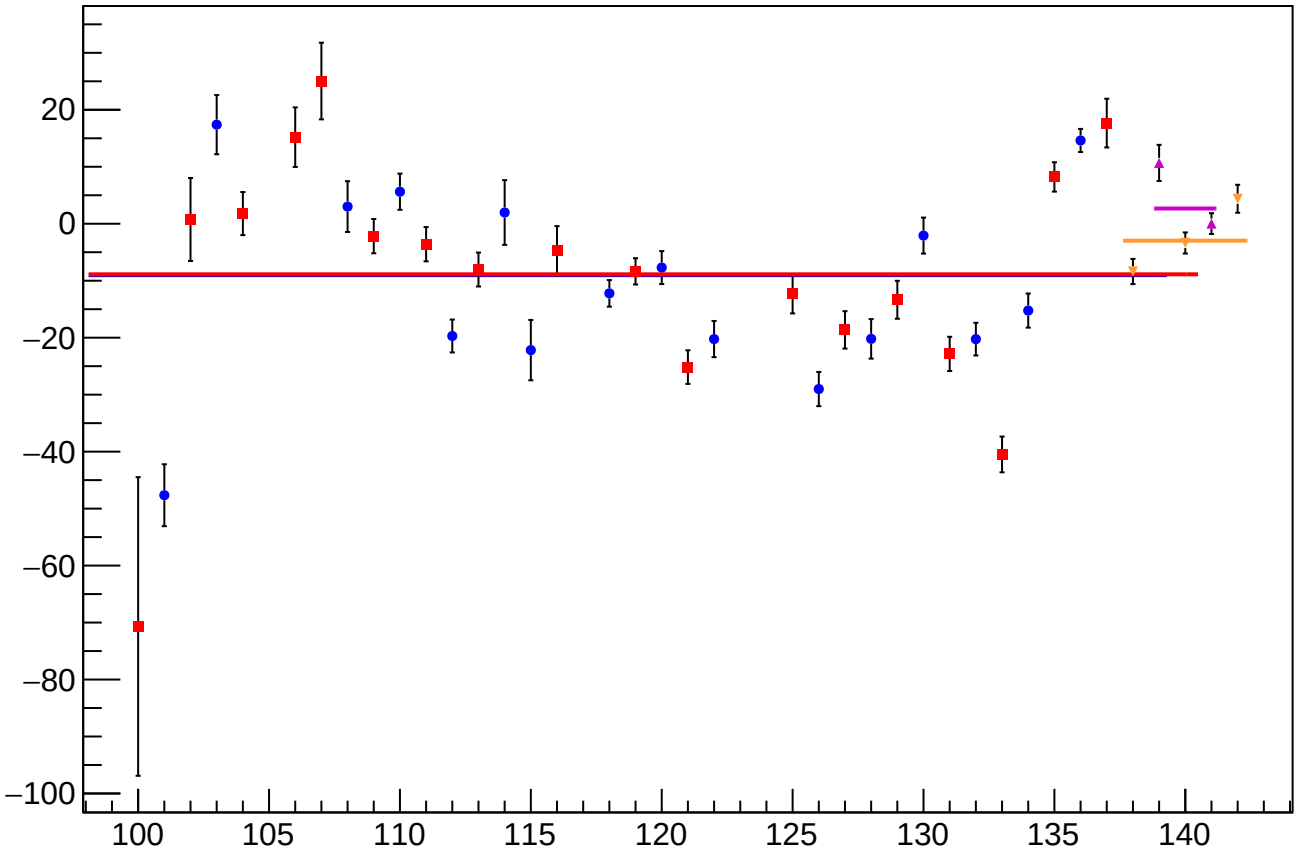
Left: -51.915+/-0.943 χ^2/NDF: 134.2/4

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -105.636+/-0.669 χ^2/NDF:2548.7/17

Out: -95.058+/-0.651 χ^2/NDF:3945.0/20

All: -100.202+/-0.466 χ^2/NDF: 6622.2/38



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: -2.970+/-1.230 χ^2/NDF:15.0/2

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 2.673+/-1.582 χ^2/NDF:8.5/1

Left: -0.844+/-0.971 χ^2/NDF: 31.4/4

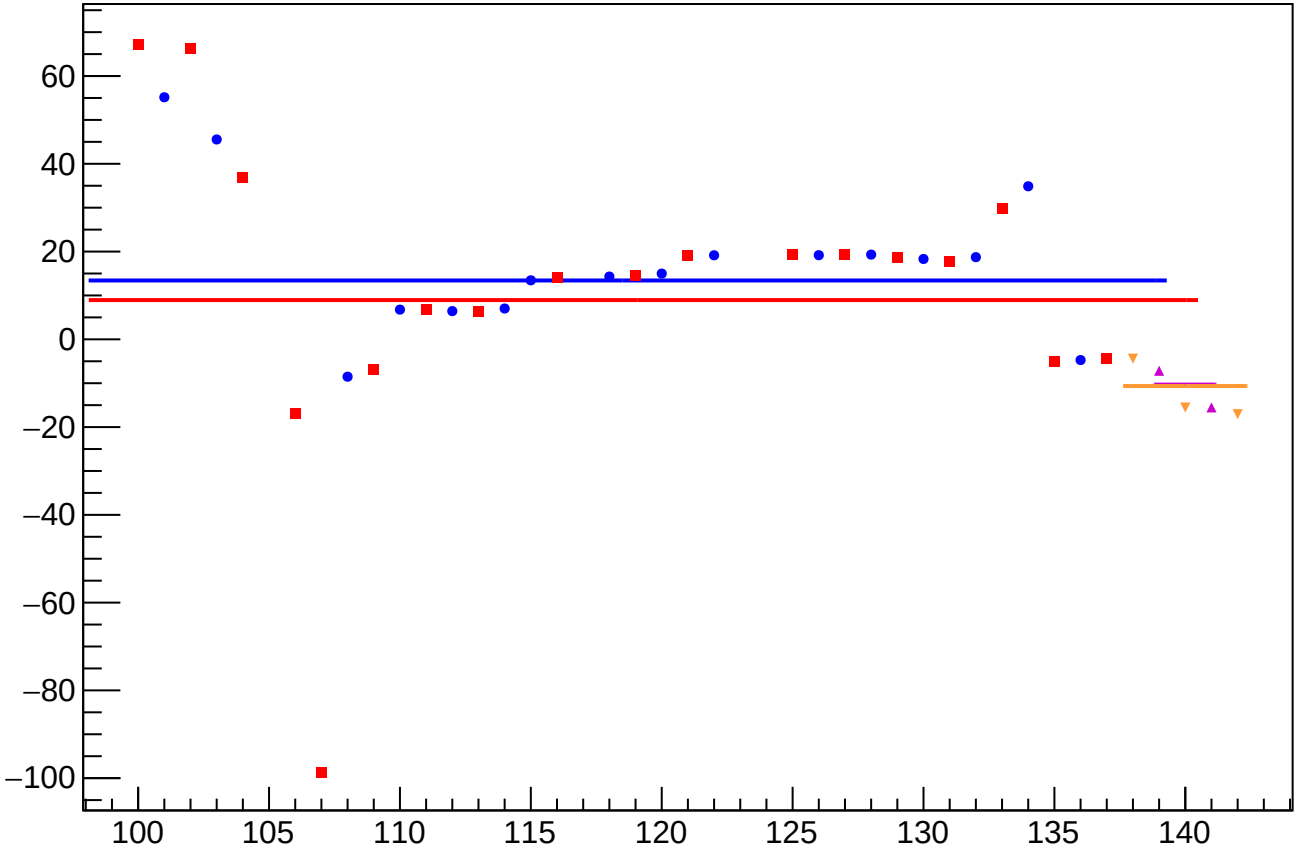
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -6.660+/-0.711 χ^2/NDF:410.1/17

Out: -7.089+/-0.677 χ^2/NDF:349.8/20

All: -6.885+/-0.490 χ^2/NDF: 760.1/38

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: -10.644+/-0.052 χ^2/NDF:12366.0/2

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.319+/-0.054 χ^2/NDF:5660.3/1

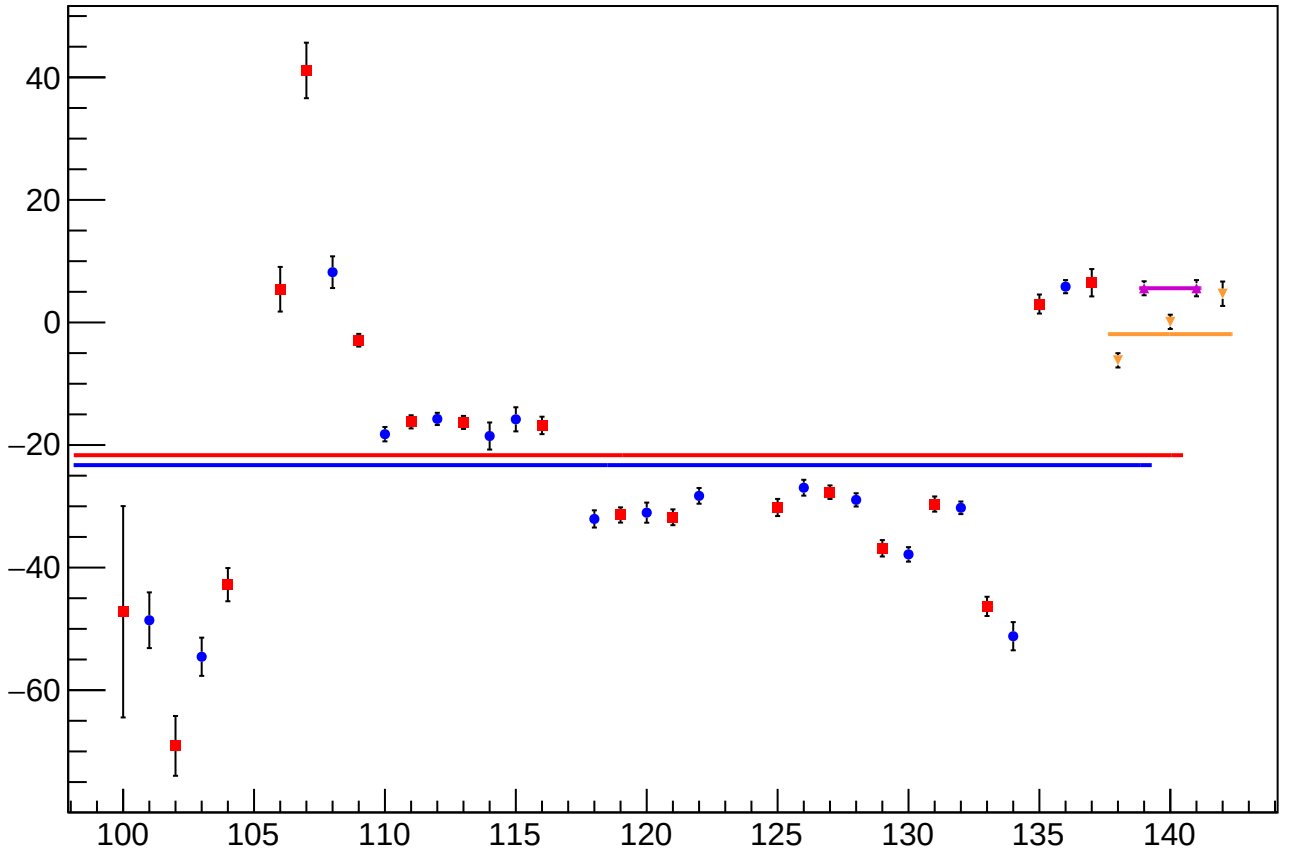
Left: -10.486+/-0.037 χ^2/NDF: 18045.2/4

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: 3.573+/-0.035 χ^2/NDF:303235.3/17

Out: 0.071+/-0.035 χ^2/NDF:380836.9/20

All: 1.843+/-0.025 χ^2/NDF: 689120.1/38



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -1.906+/-0.762 χ^2/NDF:27.3/2

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.586+/-0.865 χ^2/NDF:0.0/1

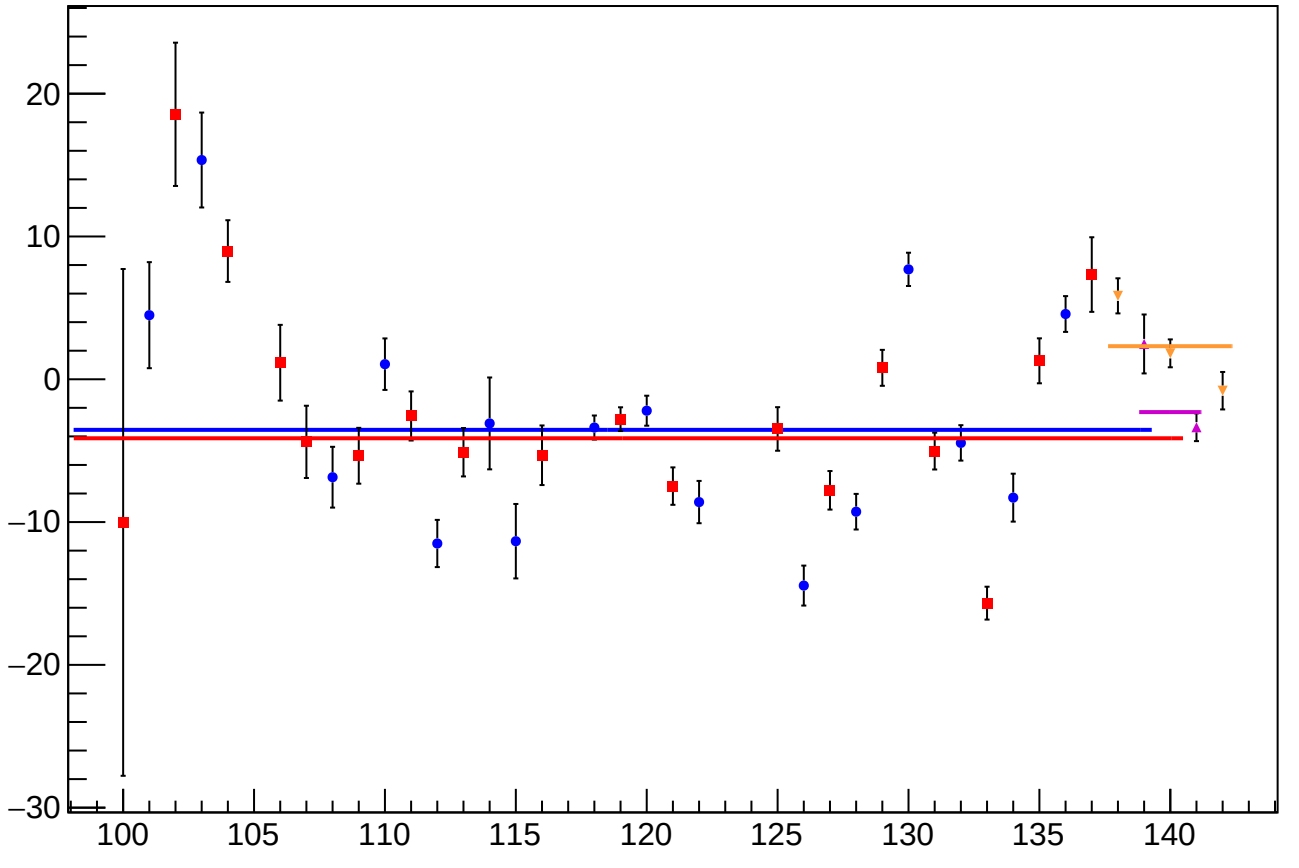
Left: 1.367+/-0.572 χ^2/NDF: 69.6/4

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -19.215+/-0.325 χ^2/NDF:2523.9/17

Out: -18.263+/-0.316 χ^2/NDF:2397.2/20

All: -18.726+/-0.227 χ^2/NDF: 4925.5/38



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 2.317+/-0.661 χ^2/NDF:14.1/2

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -2.298+/-0.880 χ^2/NDF:6.5/1

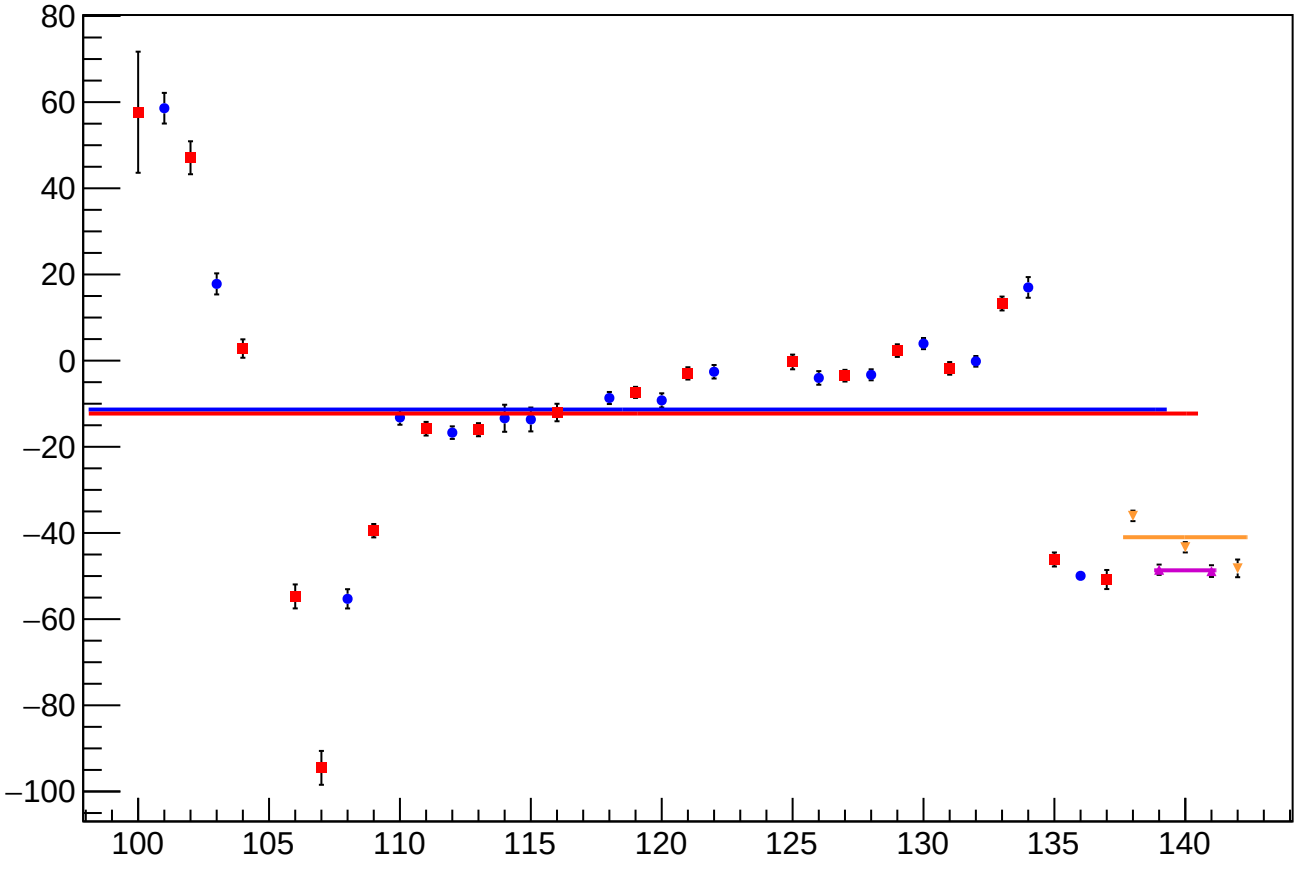
Left: 0.654+/-0.528 χ^2/NDF: 38.3/4

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -3.361+/-0.335 χ^2/NDF:325.0/17

Out: -2.588+/-0.323 χ^2/NDF:314.1/20

All: -2.960+/-0.233 χ^2/NDF: 641.8/38



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -40.985+/-0.789 χ^2/NDF:32.7/2

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.669+/-0.896 χ^2/NDF:0.0/1

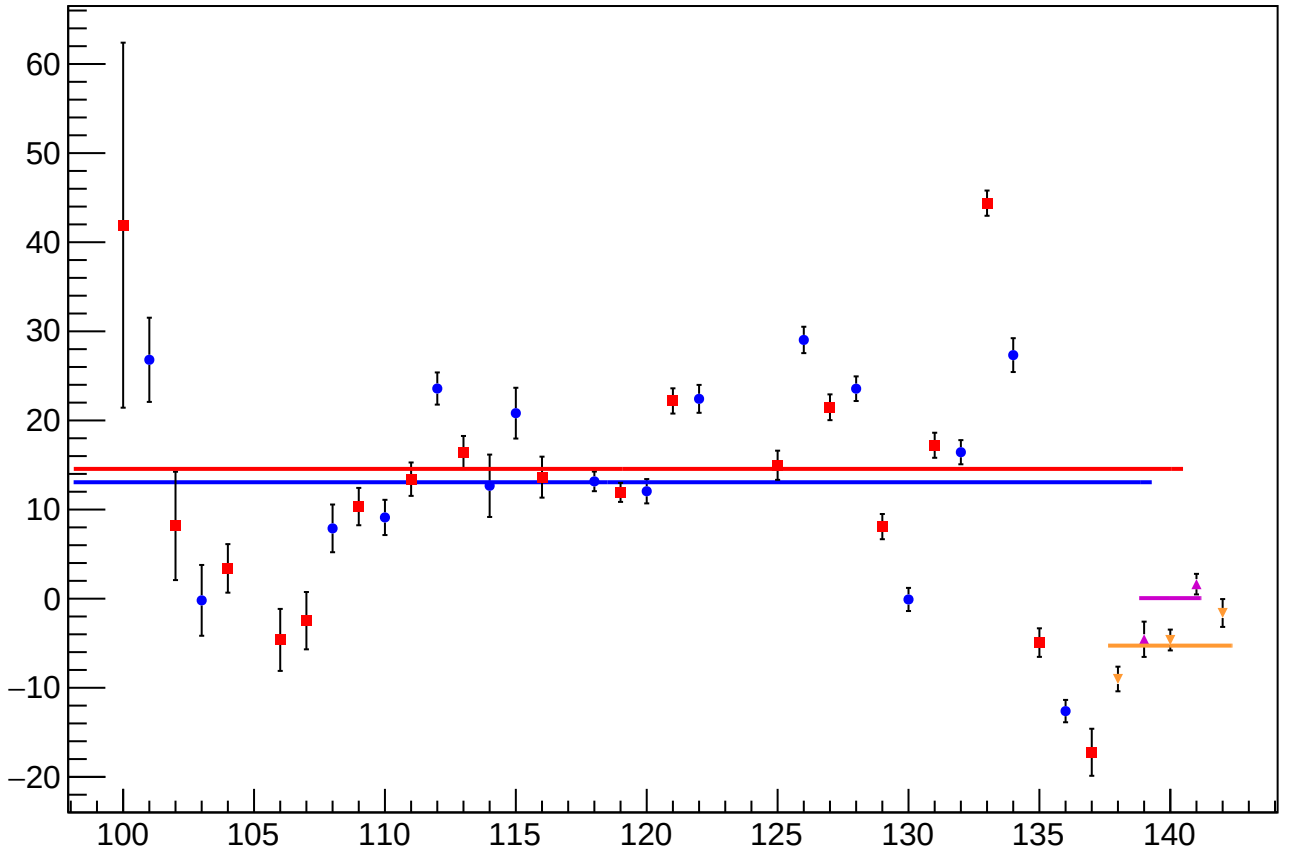
Left: -44.343+/-0.592 χ^2/NDF: 74.2/4

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -17.705+/-0.370 χ^2/NDF:4101.5/17

Out: -18.455+/-0.366 χ^2/NDF:3661.4/20

All: -18.084+/-0.260 χ^2/NDF: 7764.9/38



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -5.268+/-0.775 χ^2/NDF:13.1/2

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: 0.061+/-0.997 χ^2/NDF:7.3/1

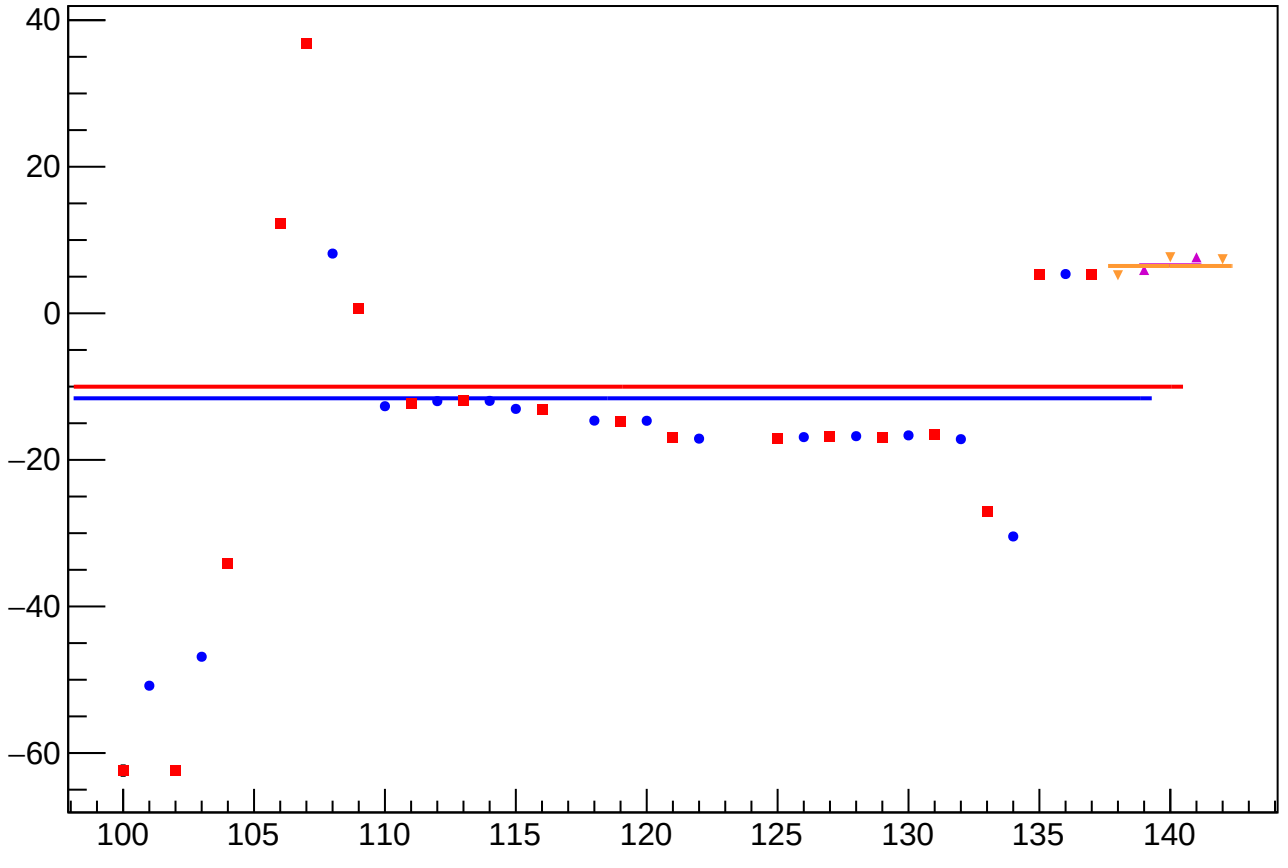
Left: -3.261+/-0.612 χ^2/NDF: 38.2/4

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 11.147+/-0.383 χ^2/NDF:1015.8/17

Out: 10.020+/-0.371 χ^2/NDF:1421.0/20

All: 10.565+/-0.266 χ^2/NDF: 2441.3/38



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.460+/-0.033 χ^2/NDF:1325.8/2

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.558+/-0.034 χ^2/NDF:612.8/1

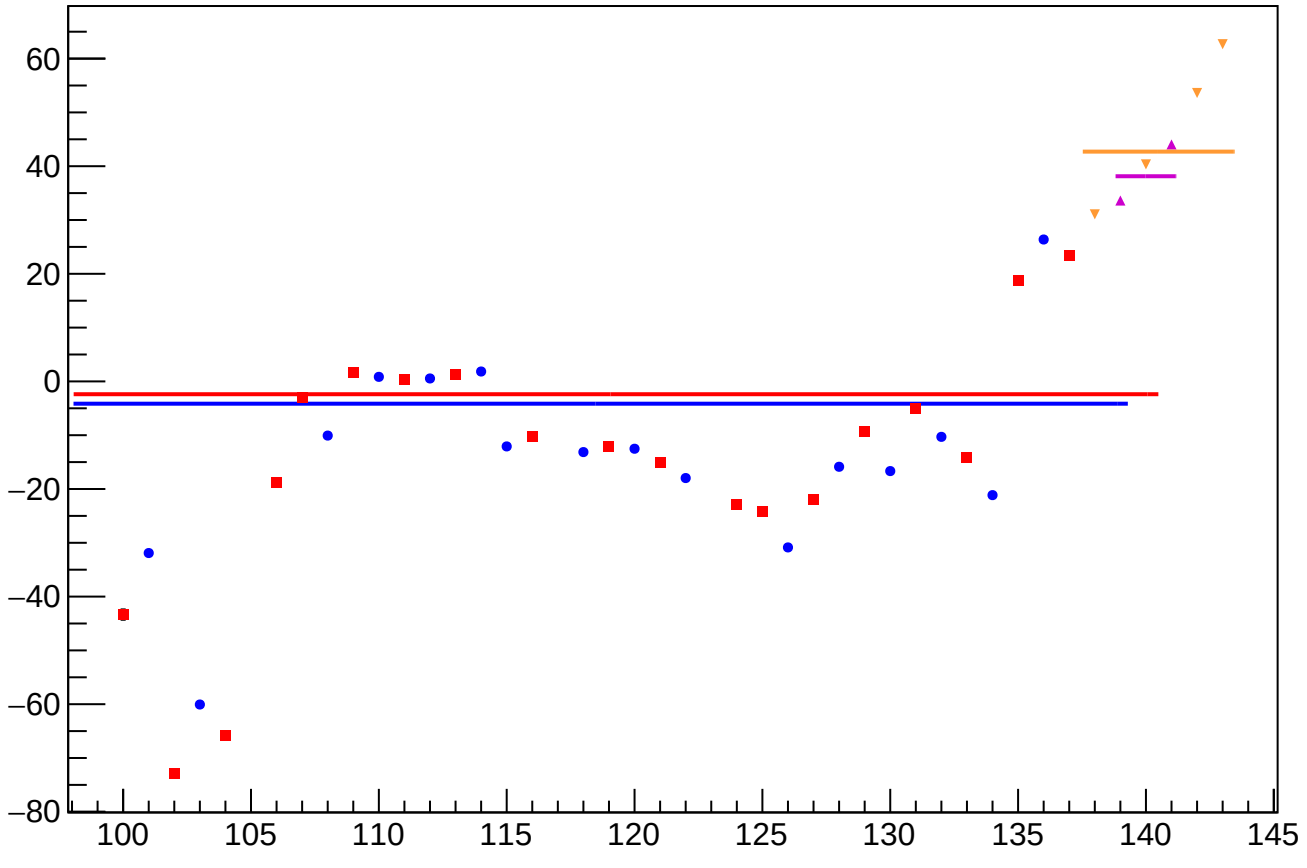
Left: 6.507+/-0.024 χ^2/NDF: 1943.0/4

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -4.730+/-0.021 χ^2/NDF:541192.0/17

Out: -3.219+/-0.021 χ^2/NDF:546155.6/20

All: -3.985+/-0.015 χ^2/NDF: 1089962.7/38



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 42.712+/-0.124 χ^2/NDF:9349.7/3

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 38.135+/-0.148 χ^2/NDF:1214.8/1

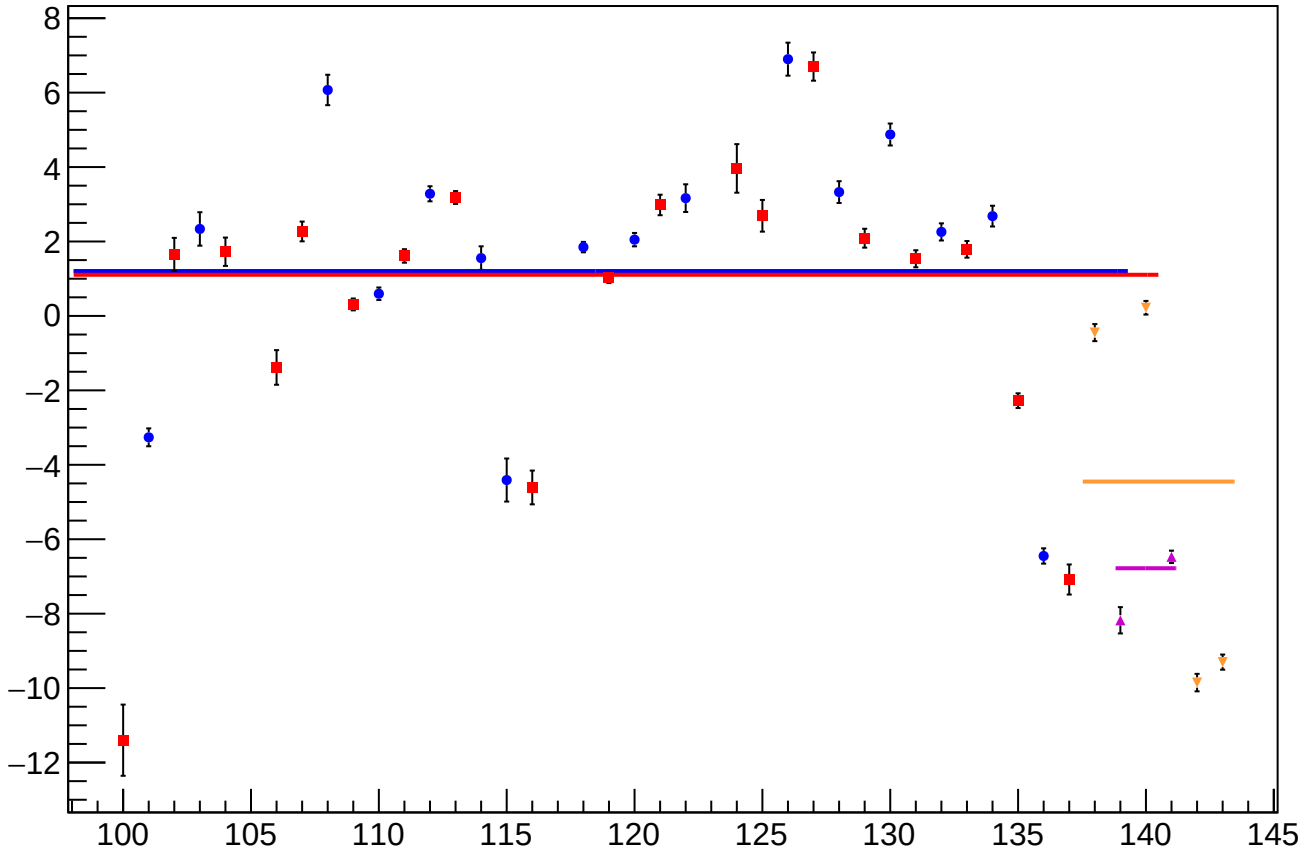
Left: 40.832+/-0.095 χ^2/NDF: 11127.2/5

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.926+/-0.051 χ^2/NDF:148185.4/17

Out: 3.129+/-0.043 χ^2/NDF:206862.7/22

All: 2.214+/-0.033 χ^2/NDF: 356127.2/40



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -4.451+/-0.105 χ^2/NDF:2050.3/3

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -6.779+/-0.150 χ^2/NDF:19.1/1

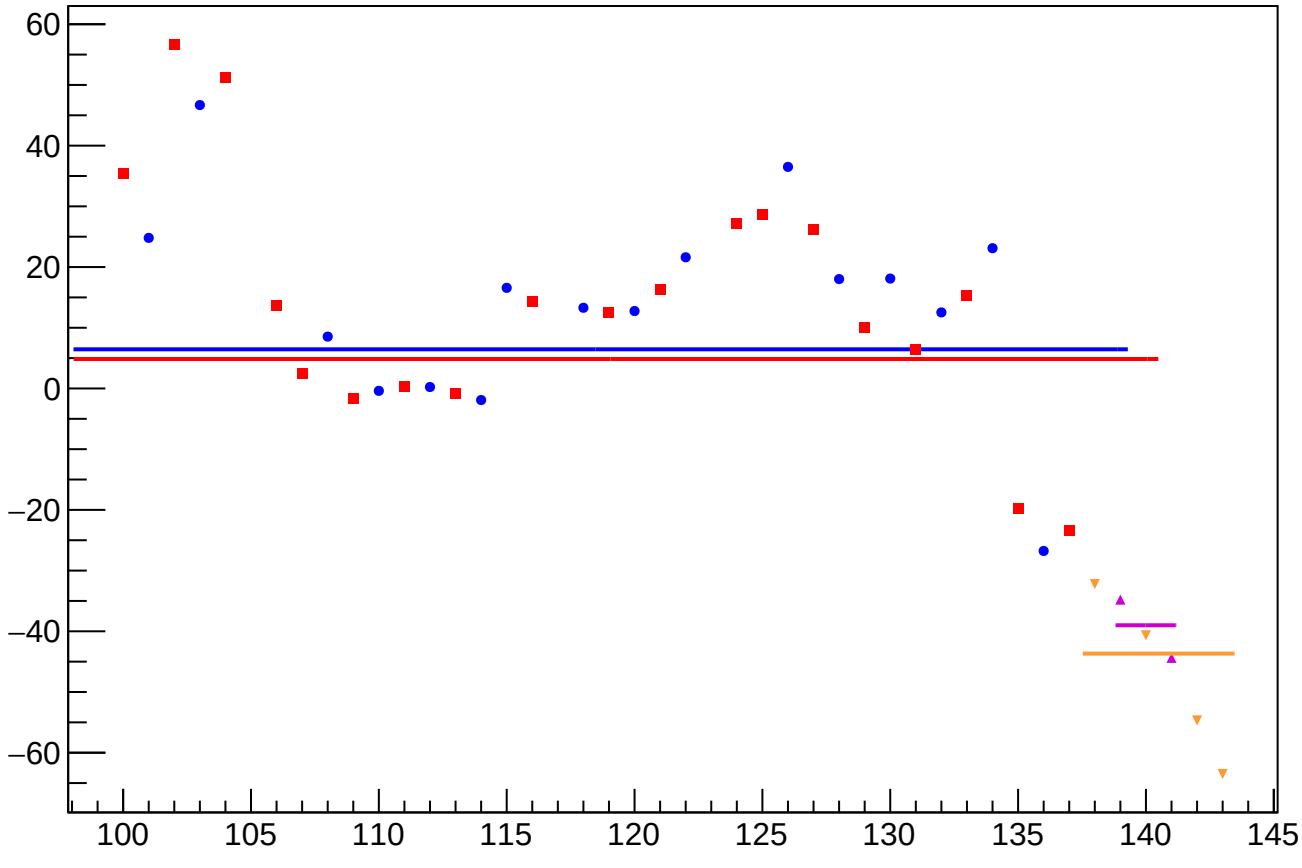
Left: -5.214+/-0.086 χ^2/NDF: 2231.2/5

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.092+/-0.056 χ^2/NDF:5039.1/17

Out: -0.170+/-0.050 χ^2/NDF:5802.9/22

All: -0.053+/-0.037 χ^2/NDF: 10854.1/40



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -43.674+/-0.128 χ^2/NDF:8648.6/3

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -39.009+/-0.153 χ^2/NDF:965.6/1

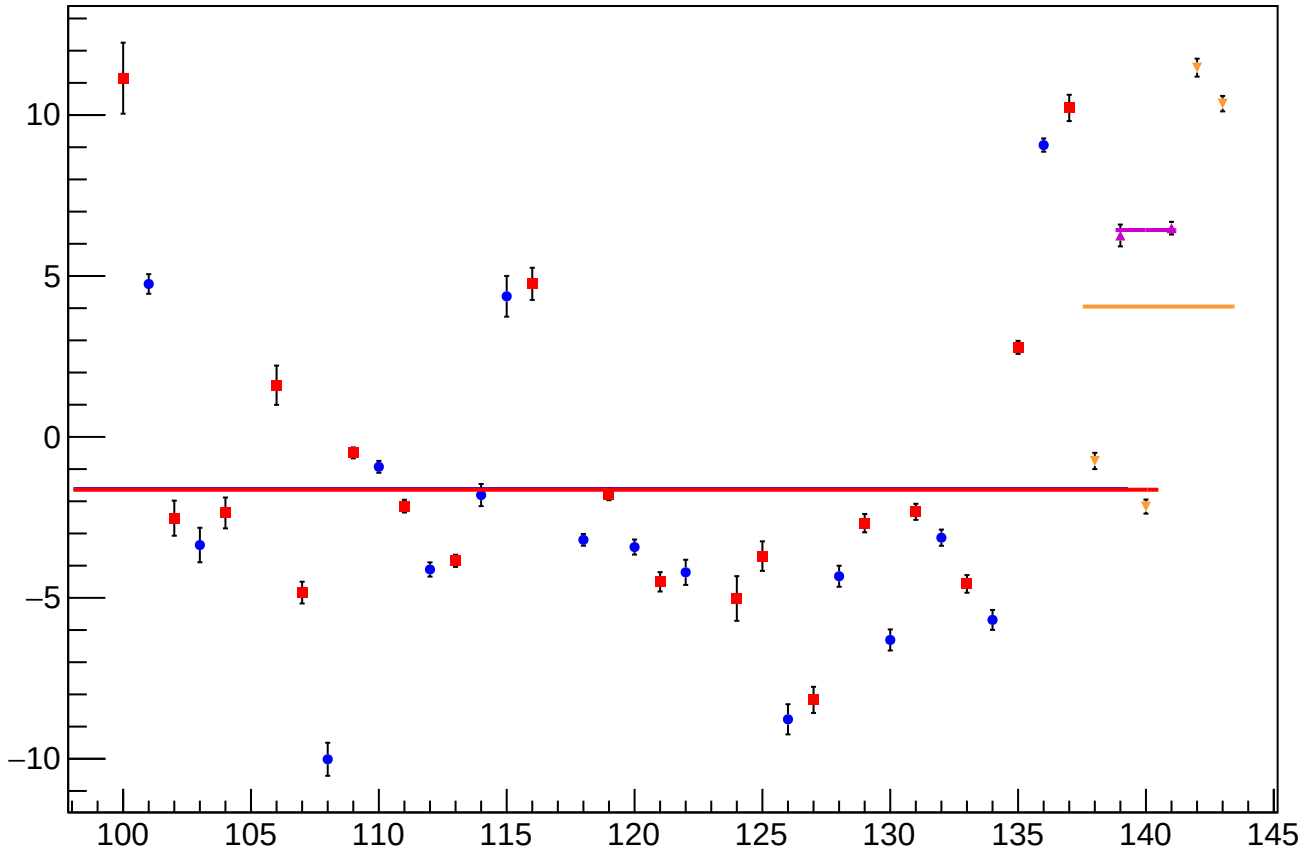
Left: -41.758+/-0.098 χ^2/NDF: 10159.8/5

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.513+/-0.060 χ^2/NDF:146107.9/17

Out: -3.691+/-0.054 χ^2/NDF:202412.6/22

All: -2.278+/-0.040 χ^2/NDF: 350077.8/40



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 4.050+/-0.122 χ^2/NDF:2559.3/3

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 6.429+/-0.170 χ^2/NDF:0.3/1

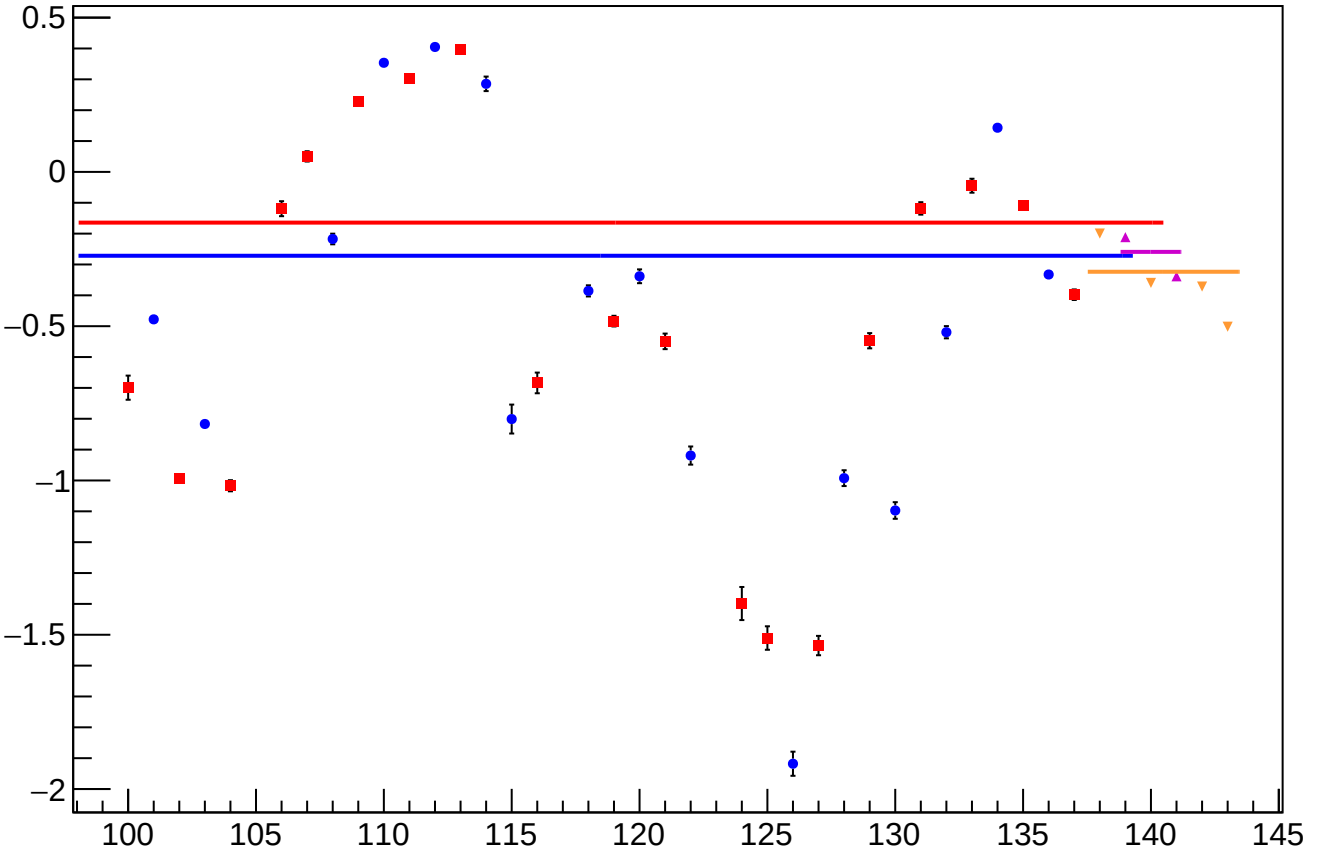
Left: 4.863+/-0.099 χ^2/NDF: 2688.6/5

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.466+/-0.064 χ^2/NDF:6446.3/17

Out: -0.403+/-0.057 χ^2/NDF:6710.3/22

All: -0.431+/-0.043 χ^2/NDF: 13157.2/40



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.324+/-0.005 χ^2/NDF:478.3/3

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.259+/-0.006 χ^2/NDF:114.2/1

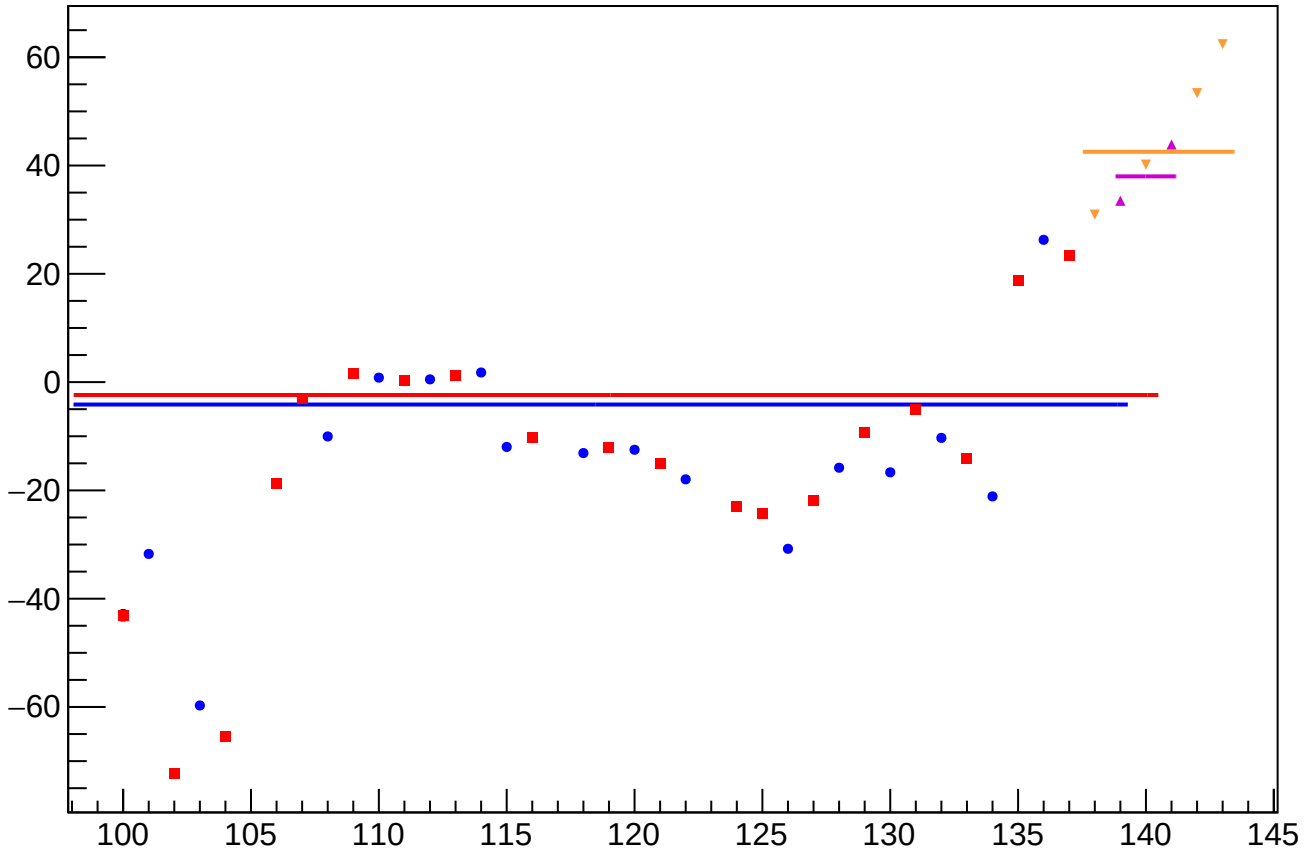
Left: -0.295+/-0.004 χ^2/NDF: 661.4/5

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.267+/-0.003 χ^2/NDF:12165.5/17

Out: -0.220+/-0.003 χ^2/NDF:16585.4/22

All: -0.241+/-0.002 χ^2/NDF: 28861.1/40



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 42.539+/-0.123 χ^2/NDF:9315.1/3

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 37.996+/-0.148 χ^2/NDF:1215.0/1

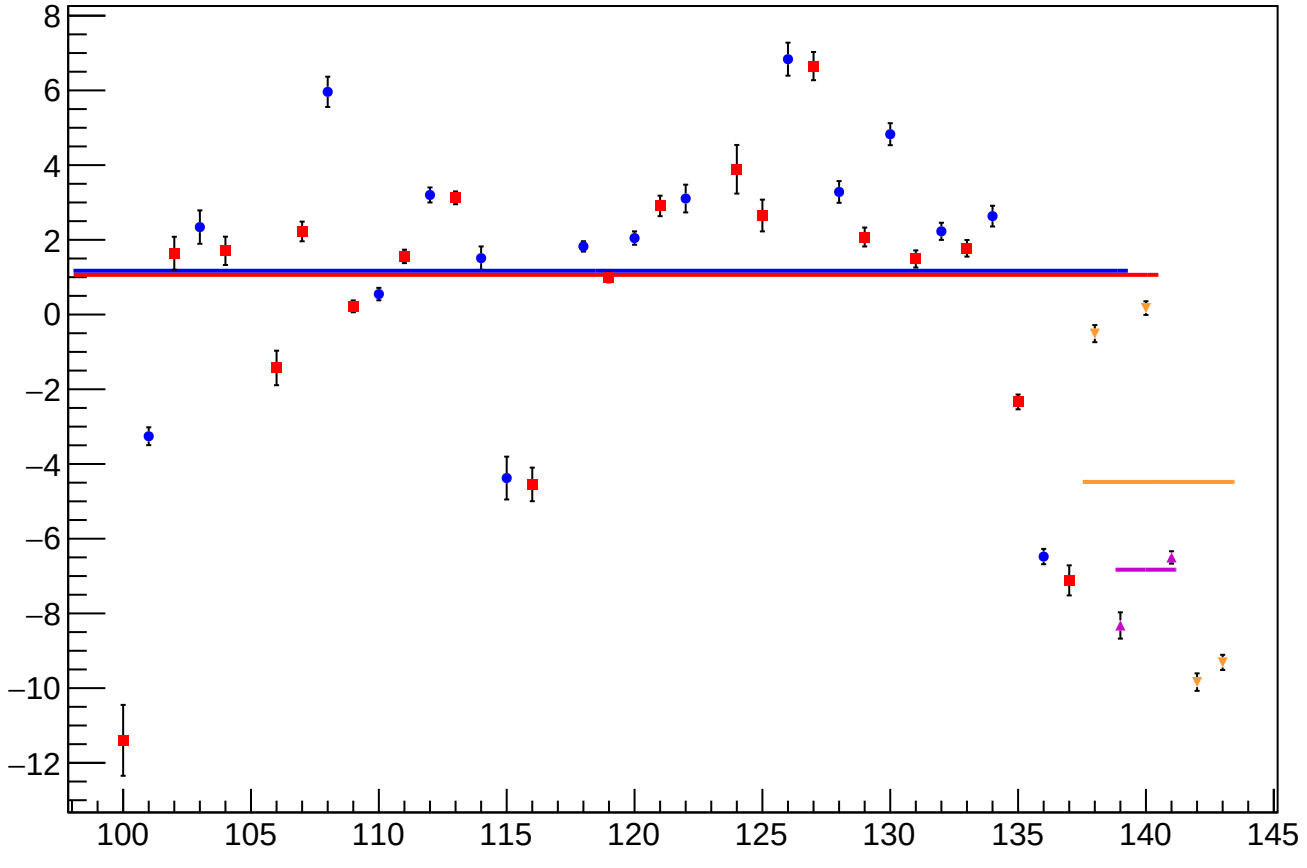
Left: 40.674+/-0.095 χ^2/NDF: 11088.0/5

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.887+/-0.051 χ^2/NDF:148152.1/17

Out: 3.079+/-0.043 χ^2/NDF:206679.5/22

All: 2.169+/-0.033 χ^2/NDF: 355912.7/40



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -4.480+/-0.104 χ^2/NDF:2040.8/3

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -6.830+/-0.150 χ^2/NDF:21.9/1

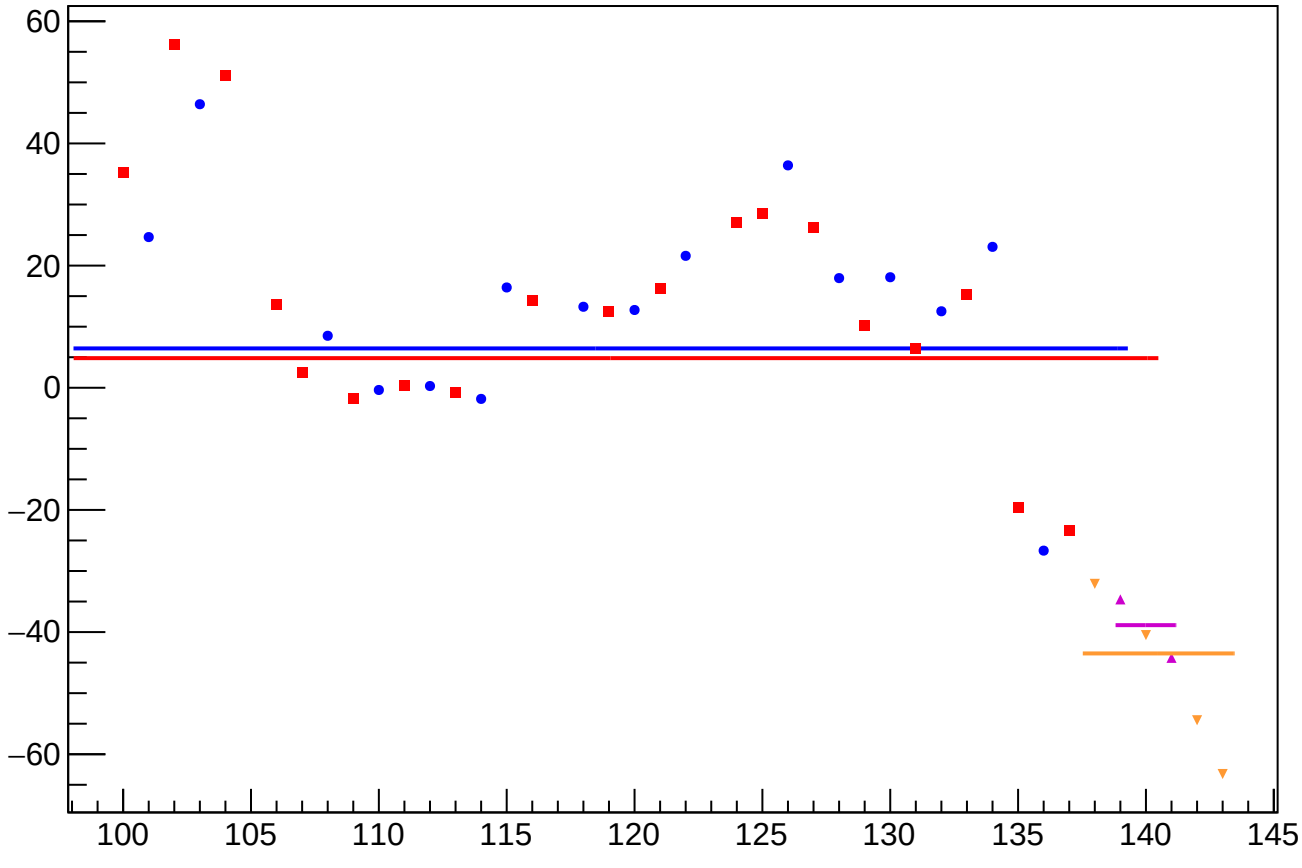
Left: -5.250+/-0.086 χ^2/NDF: 2228.4/5

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.060+/-0.056 χ^2/NDF:5068.0/17

Out: -0.207+/-0.050 χ^2/NDF:5808.0/22

All: -0.088+/-0.037 χ^2/NDF: 10888.7/40



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -43.496+/-0.128 χ^2/NDF:8616.4/3

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -38.865+/-0.153 χ^2/NDF:966.3/1

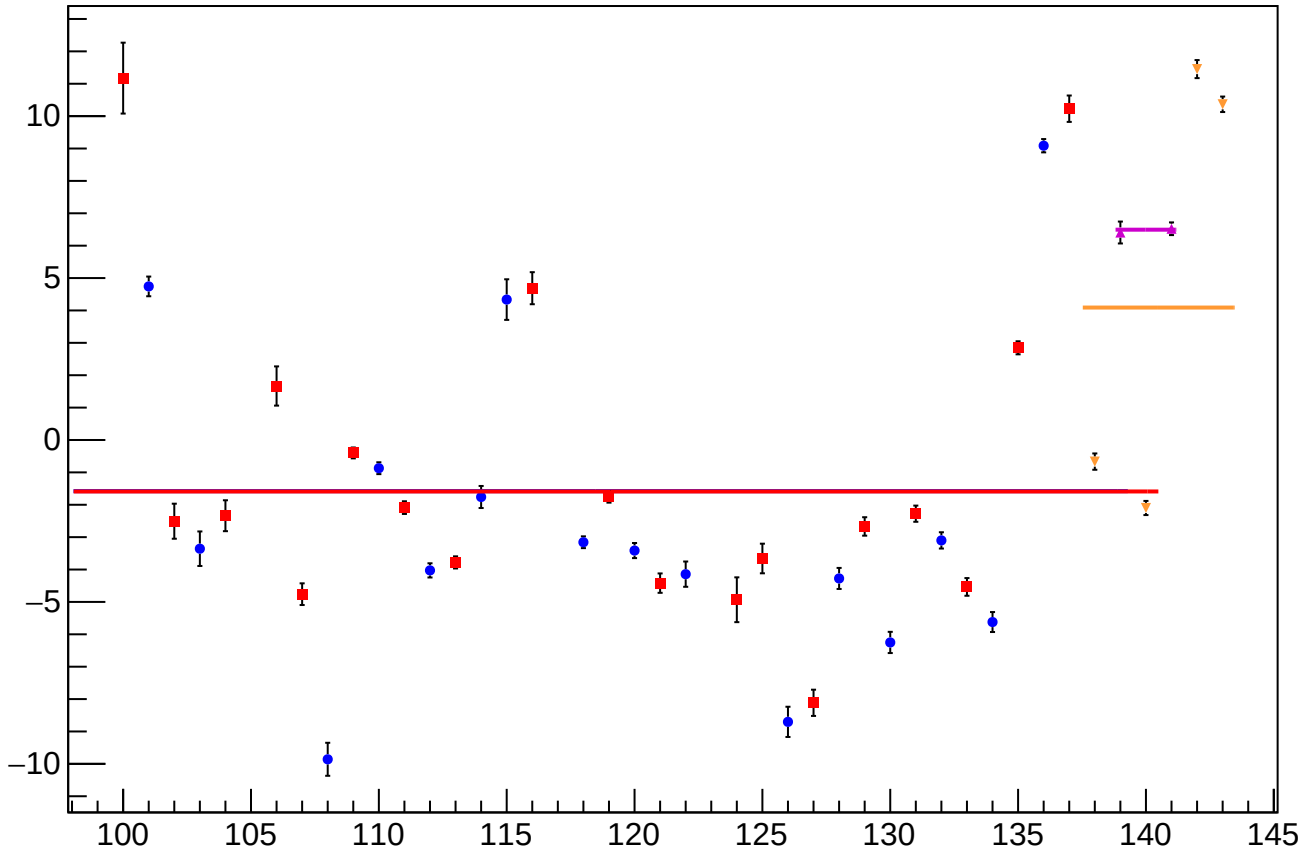
Left: -41.595+/-0.098 χ^2/NDF: 10123.9/5

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.471+/-0.060 χ^2/NDF:146061.2/17

Out: -3.630+/-0.053 χ^2/NDF:202237.1/22

All: -2.225+/-0.040 χ^2/NDF: 349853.7/40



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 4.089+/-0.122 χ^2/NDF:2546.4/3

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 6.494+/-0.169 χ^2/NDF:0.1/1

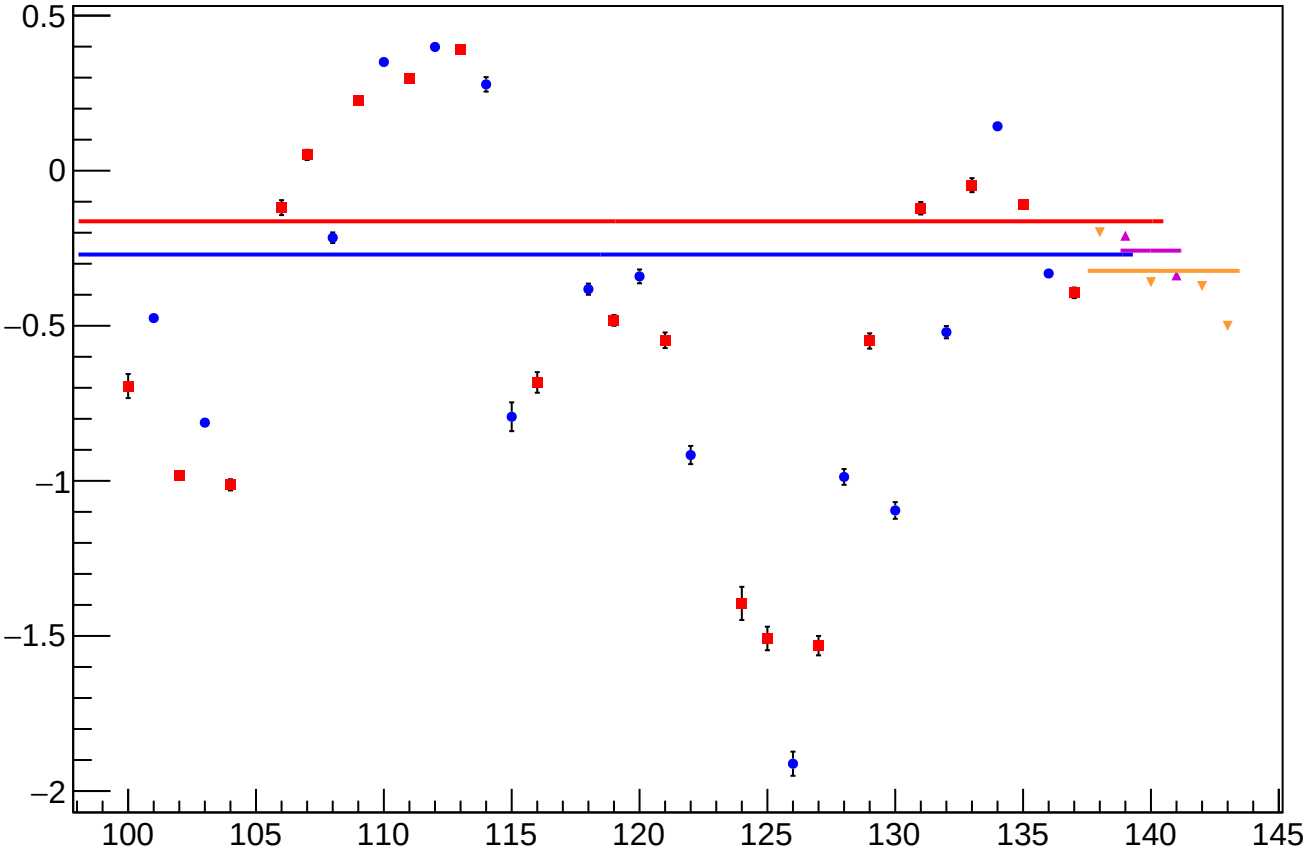
Left: 4.911+/-0.099 χ^2/NDF: 2678.9/5

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.426+/-0.064 χ^2/NDF:6468.9/17

Out: -0.358+/-0.057 χ^2/NDF:6712.8/22

All: -0.388+/-0.043 χ^2/NDF: 13182.4/40



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.323+/-0.005 χ^2/NDF:481.4/3

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.258+/-0.006 χ^2/NDF:116.5/1

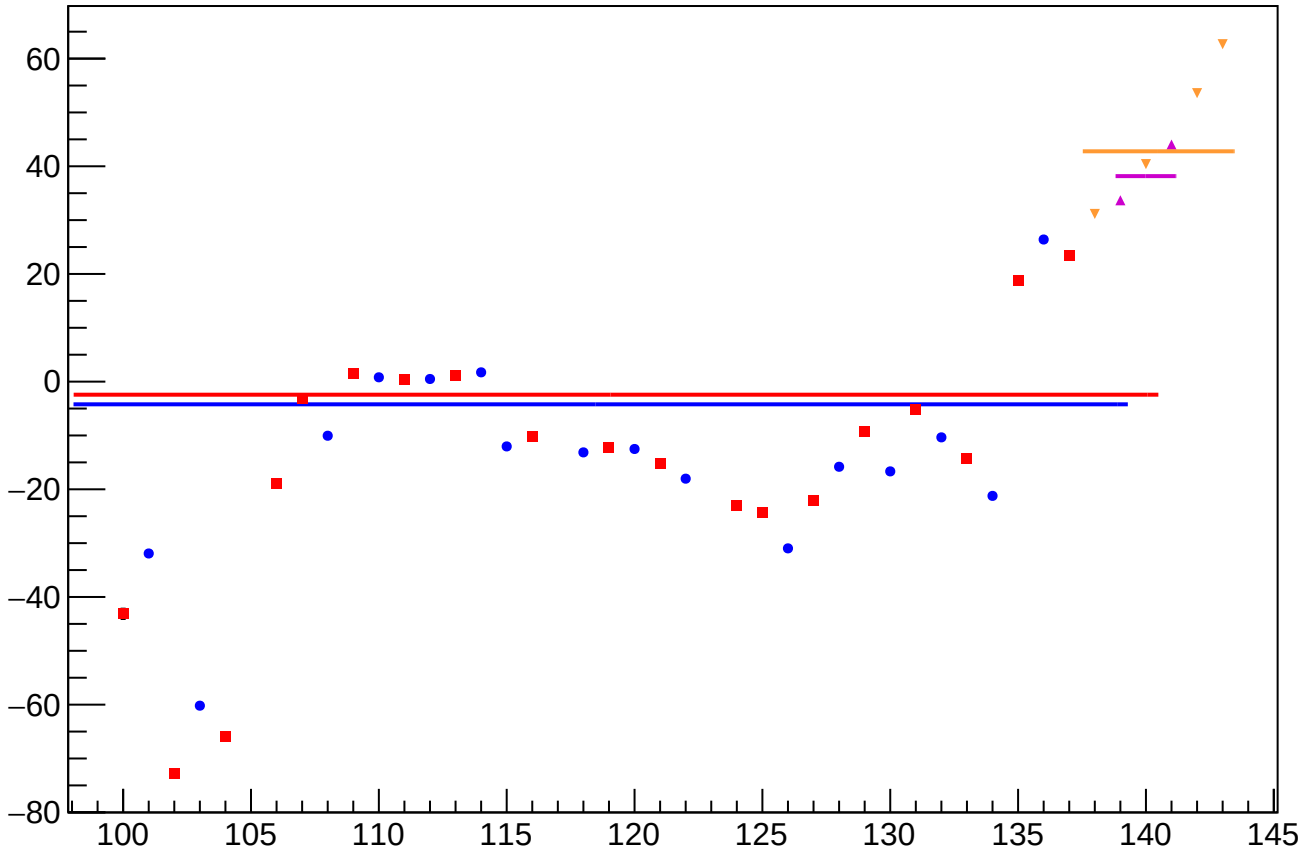
Left: -0.294+/-0.004 χ^2/NDF: 668.9/5

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.266+/-0.003 χ^2/NDF:12156.0/17

Out: -0.218+/-0.003 χ^2/NDF:16610.0/22

All: -0.240+/-0.002 χ^2/NDF: 28875.7/40



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 42.781+/-0.124 χ^2/NDF:9267.2/3

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 38.172+/-0.148 χ^2/NDF:1194.9/1

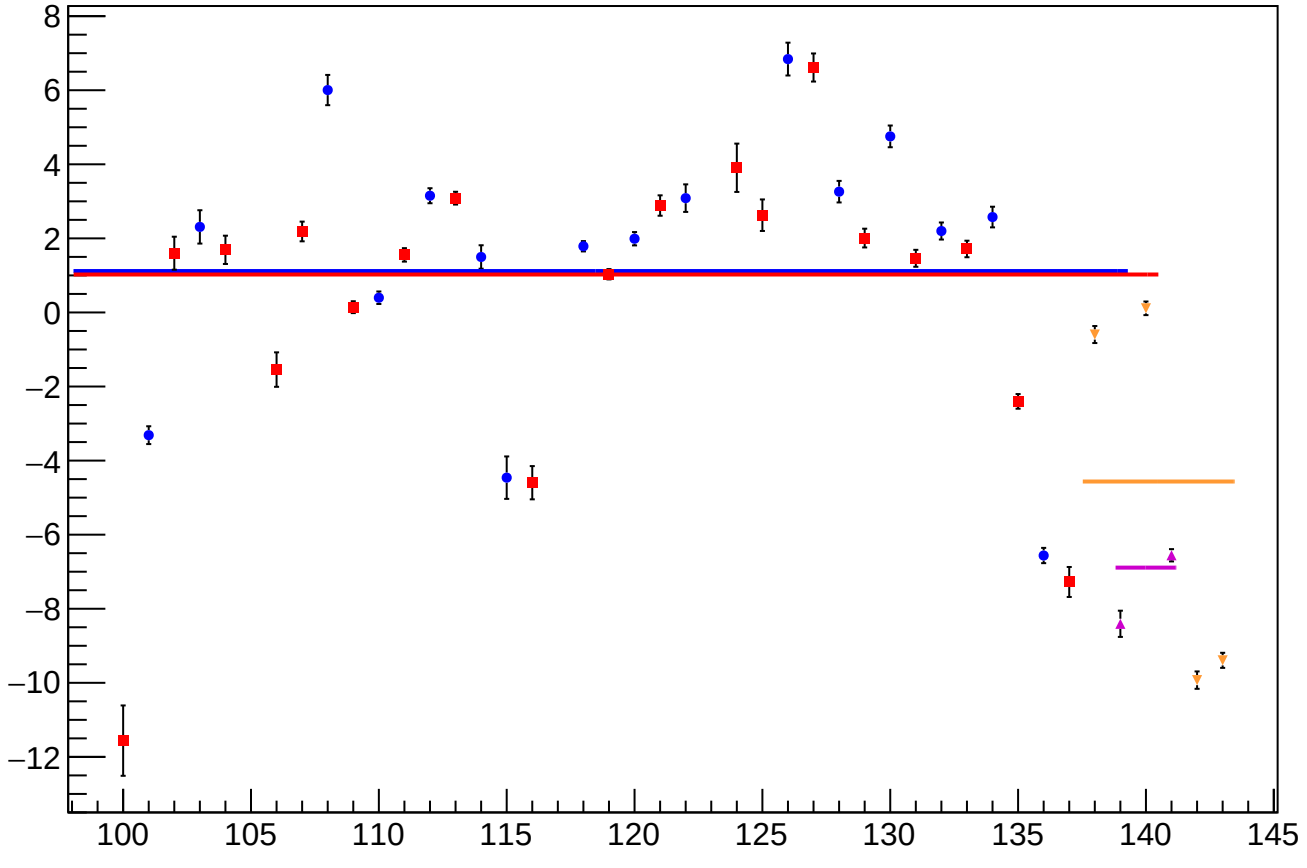
Left: 40.888+/-0.095 χ^2/NDF: 11031.2/5

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.862+/-0.051 χ^2/NDF:148296.6/17

Out: 3.094+/-0.043 χ^2/NDF:207040.2/22

All: 2.167+/-0.033 χ^2/NDF: 356442.2/40



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -4.565+/-0.105 χ^2/NDF:2030.3/3

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -6.890+/-0.150 χ^2/NDF:22.4/1

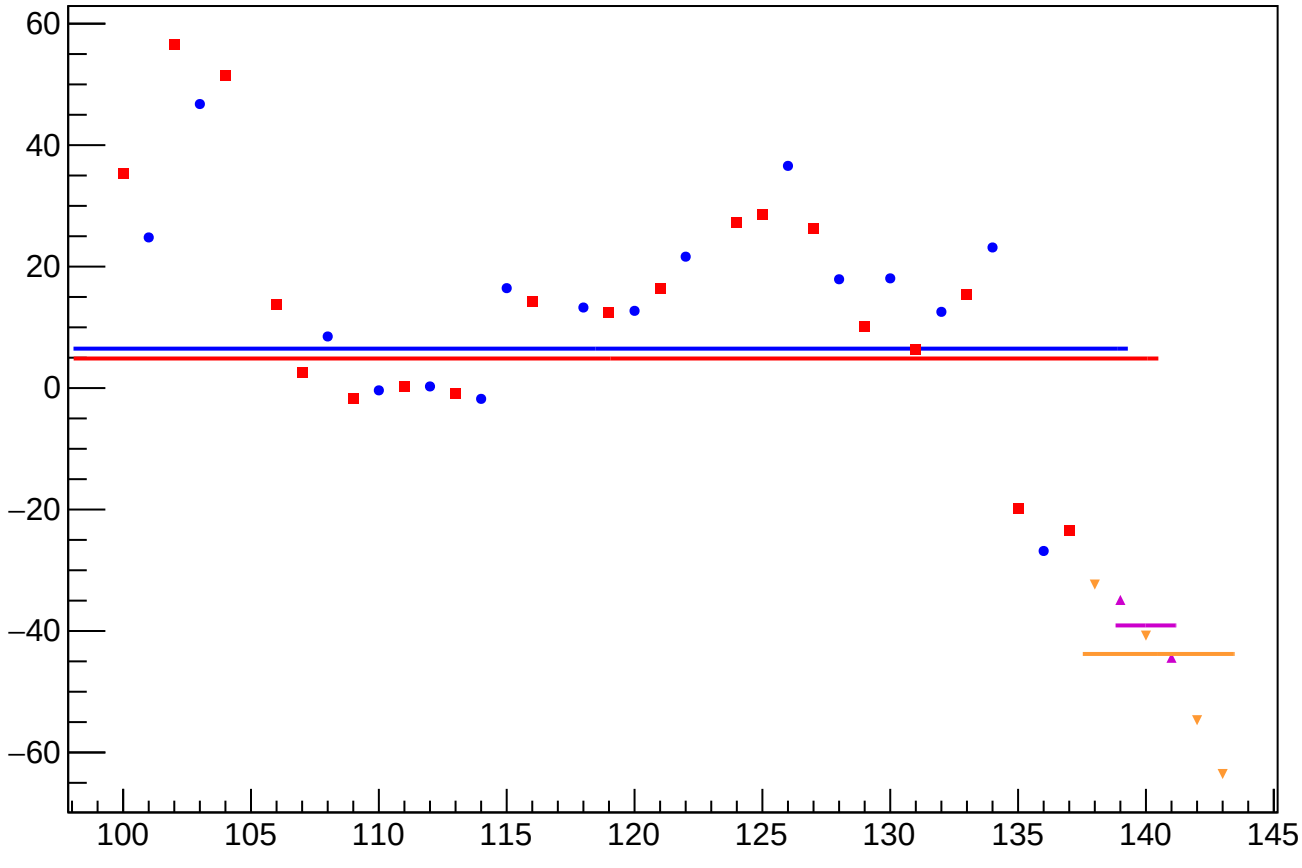
Left: -5.327+/-0.086 χ^2/NDF: 2213.6/5

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.004+/-0.056 χ^2/NDF:5058.7/17

Out: -0.258+/-0.050 χ^2/NDF:5829.2/22

All: -0.141+/-0.037 χ^2/NDF: 10899.9/40



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -43.780+/-0.128 χ^2/NDF:8573.8/3

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -39.084+/-0.154 χ^2/NDF:948.7/1

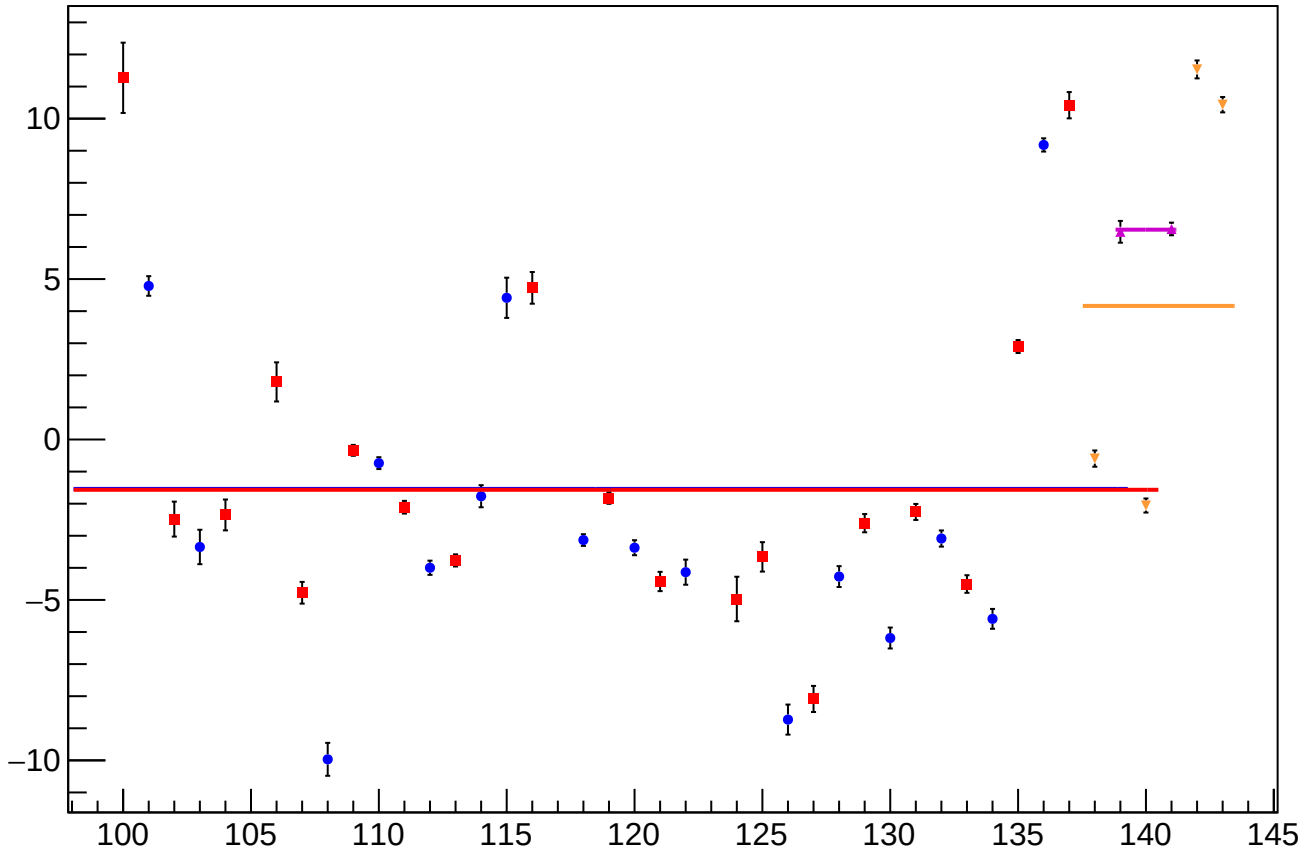
Left: -41.852+/-0.098 χ^2/NDF: 10073.9/5

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.478+/-0.060 χ^2/NDF:146239.6/17

Out: -3.688+/-0.054 χ^2/NDF:202630.2/22

All: -2.260+/-0.040 χ^2/NDF: 350457.2/40



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 4.163+/-0.123 χ^2/NDF:2534.1/3

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: 4.975+/-0.099 χ^2/NDF: 2662.5/5

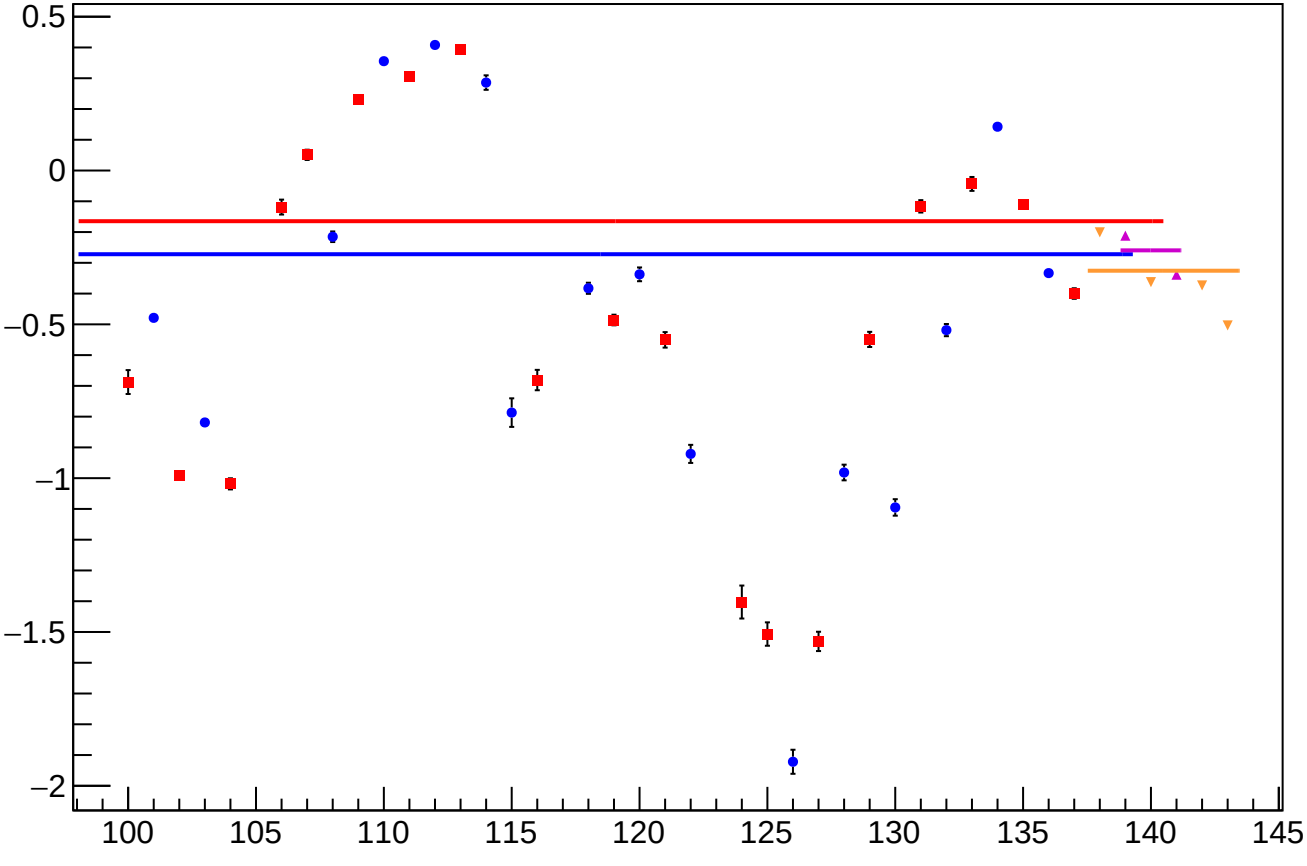
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.383+/-0.064 χ^2/NDF:6467.0/17

Out: -0.323+/-0.057 χ^2/NDF:6740.6/22

All: -0.349+/-0.043 χ^2/NDF: 13208.1/40

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: -0.326+/-0.005 χ^2/NDF:480.7/3

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.259+/-0.006 χ^2/NDF:113.7/1

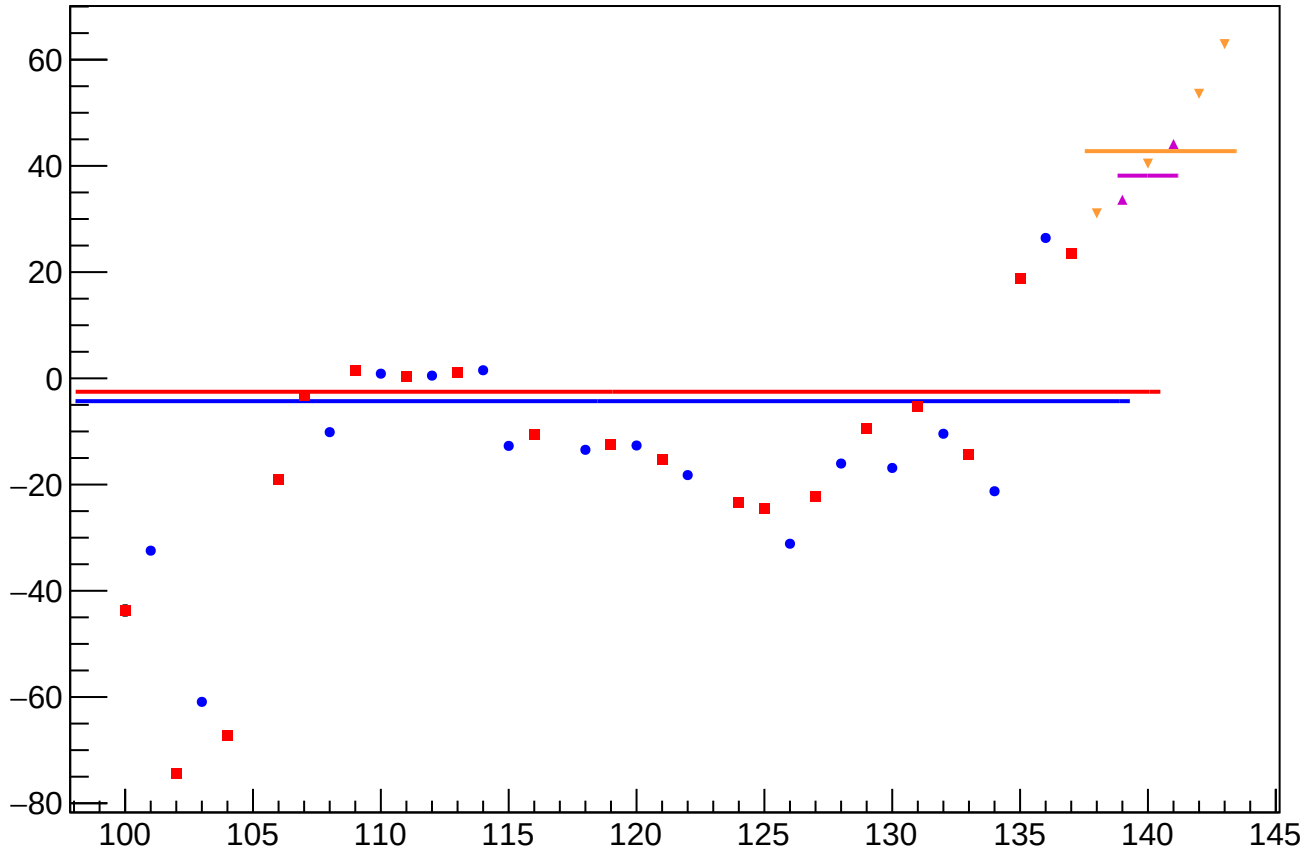
Left: -0.296+/-0.004 χ^2/NDF: 666.9/5

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.268+/-0.003 χ^2/NDF:12180.5/17

Out: -0.221+/-0.003 χ^2/NDF:16593.2/22

All: -0.242+/-0.002 χ^2/NDF: 28881.0/40



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 42.777+/-0.125 χ^2/NDF:9245.0/3

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 38.164+/-0.150 χ^2/NDF:1201.9/1

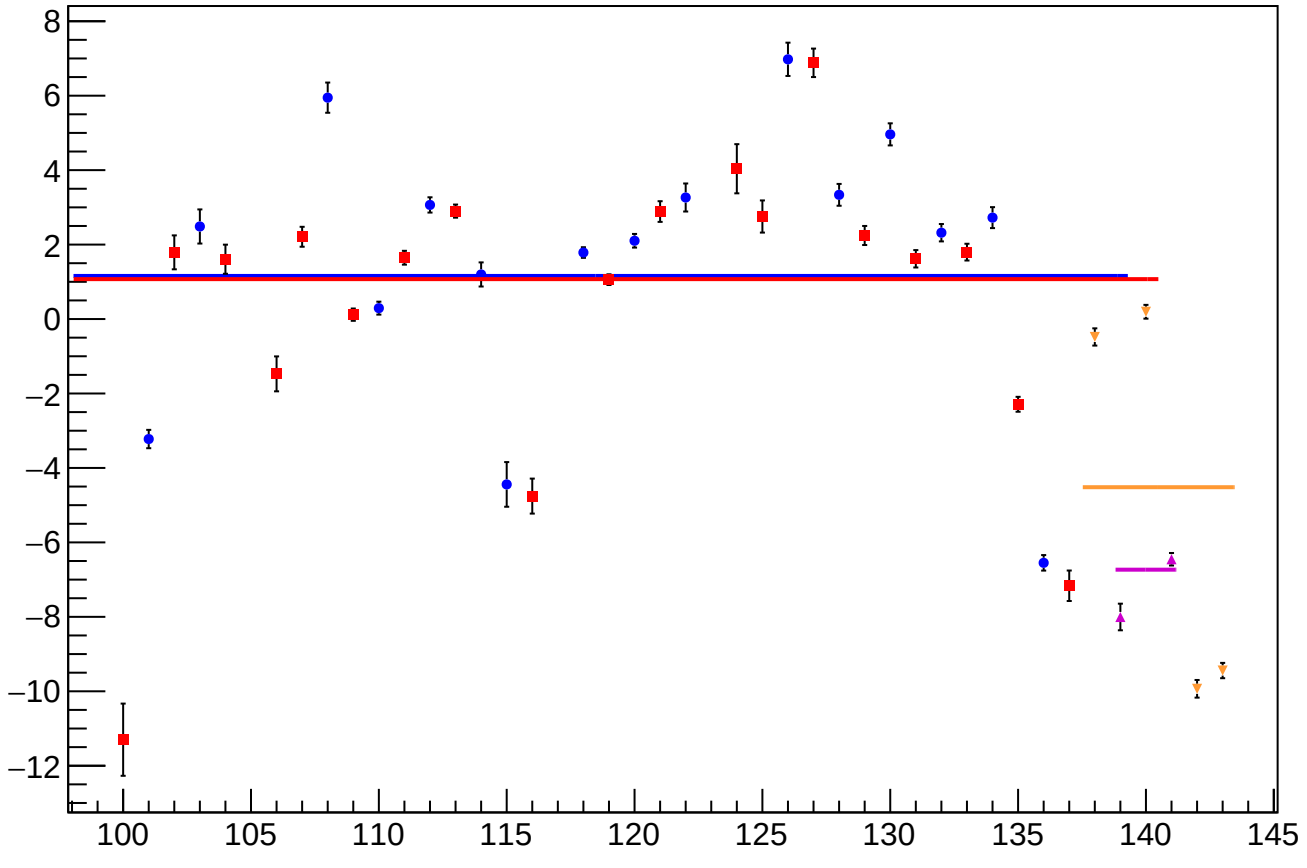
Left: 40.886+/-0.096 χ^2/NDF: 11005.4/5

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.860+/-0.052 χ^2/NDF:145891.2/17

Out: 3.138+/-0.044 χ^2/NDF:204132.9/22

All: 2.188+/-0.034 χ^2/NDF: 351133.3/40



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -4.518+/-0.106 χ^2/NDF:2044.2/3

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -6.733+/-0.152 χ^2/NDF:15.4/1

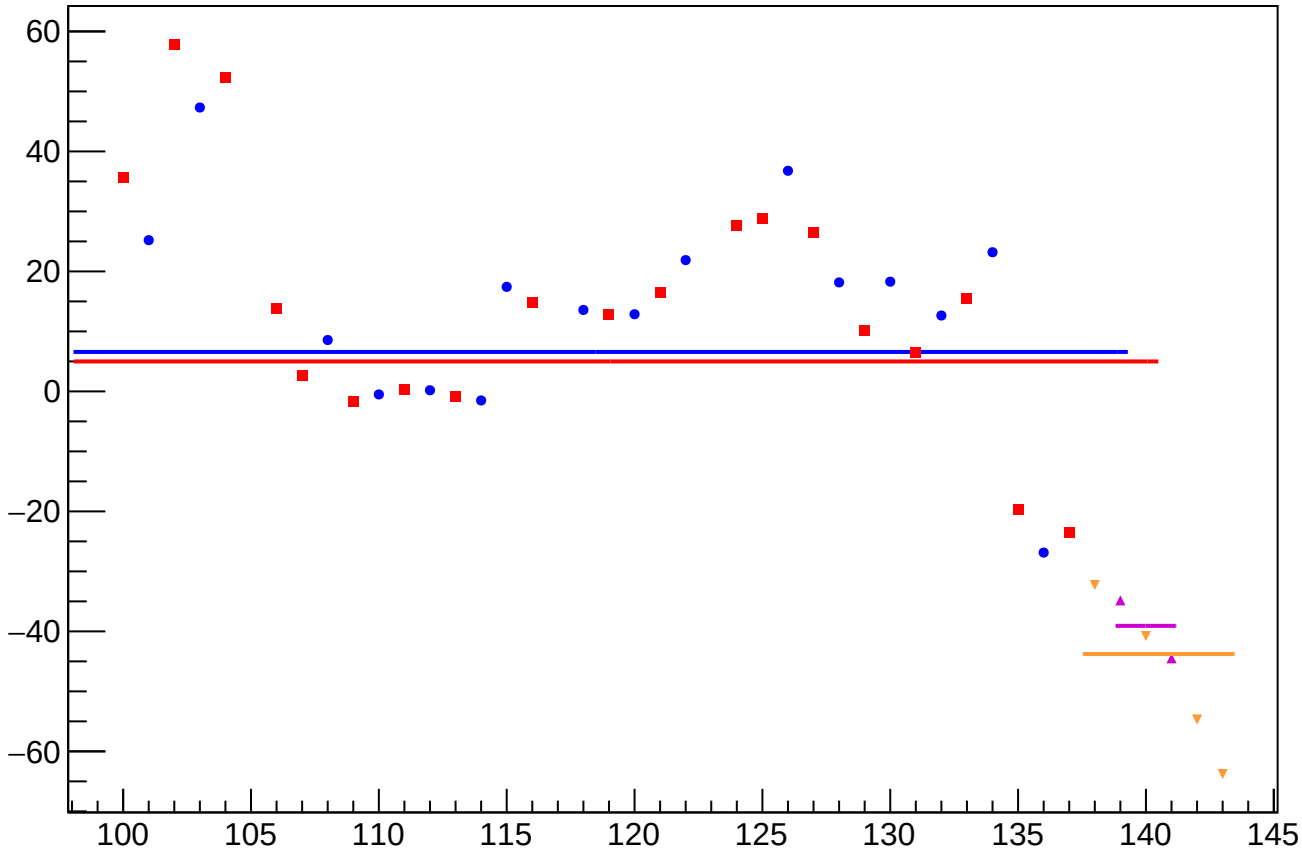
Left: -5.242+/-0.087 χ^2/NDF: 2202.6/5

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.047+/-0.057 χ^2/NDF:4880.7/17

Out: -0.229+/-0.051 χ^2/NDF:5732.4/22

All: -0.106+/-0.038 χ^2/NDF: 10626.2/40



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -43.778+/-0.129 χ^2/NDF:8545.8/3

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -39.079+/-0.155 χ^2/NDF:954.2/1

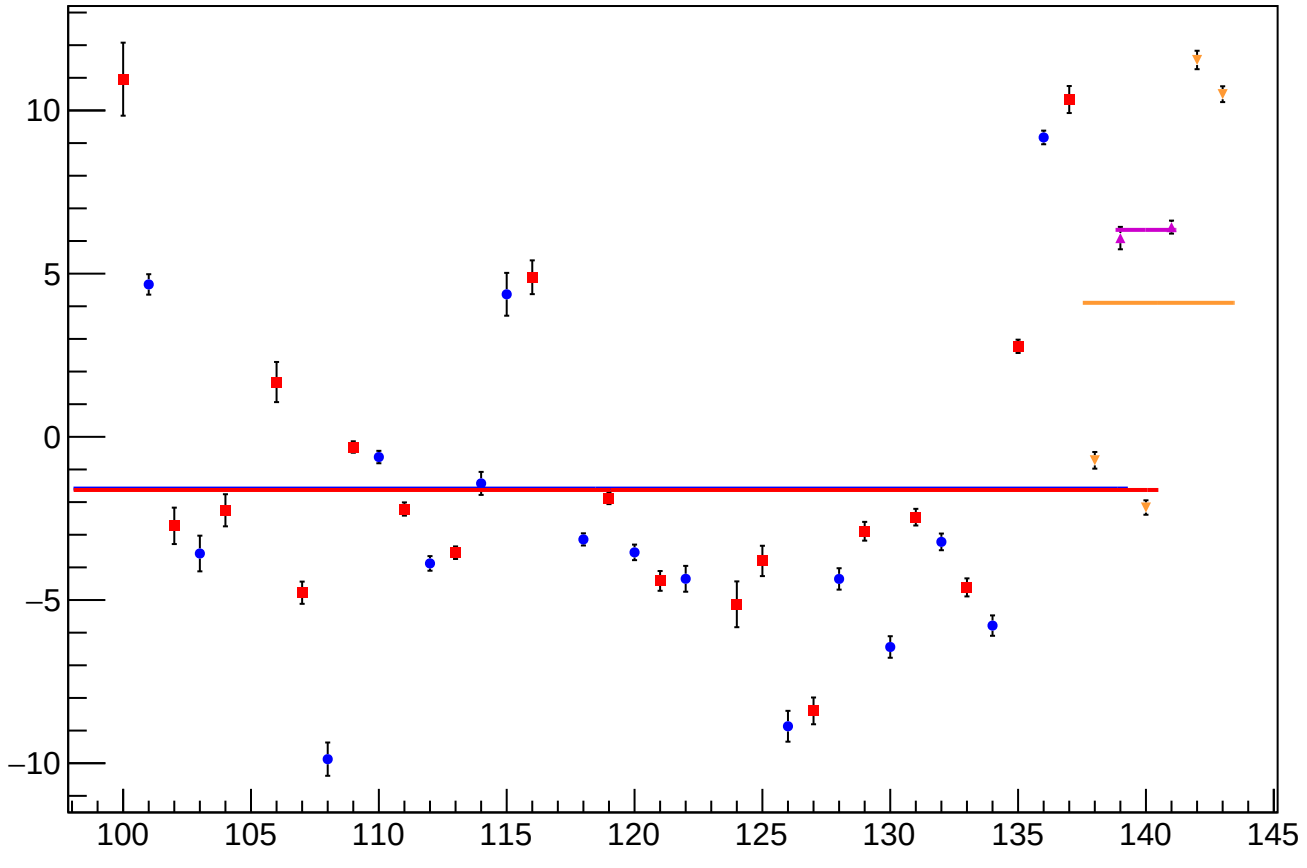
Left: -41.852+/-0.099 χ^2/NDF: 10041.2/5

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.488+/-0.061 χ^2/NDF:143863.2/17

Out: -3.746+/-0.055 χ^2/NDF:199741.6/22

All: -2.293+/-0.041 χ^2/NDF: 345184.0/40



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 4.106+/-0.124 χ^2/NDF:2547.4/3

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 6.341+/-0.172 χ^2/NDF:0.7/1

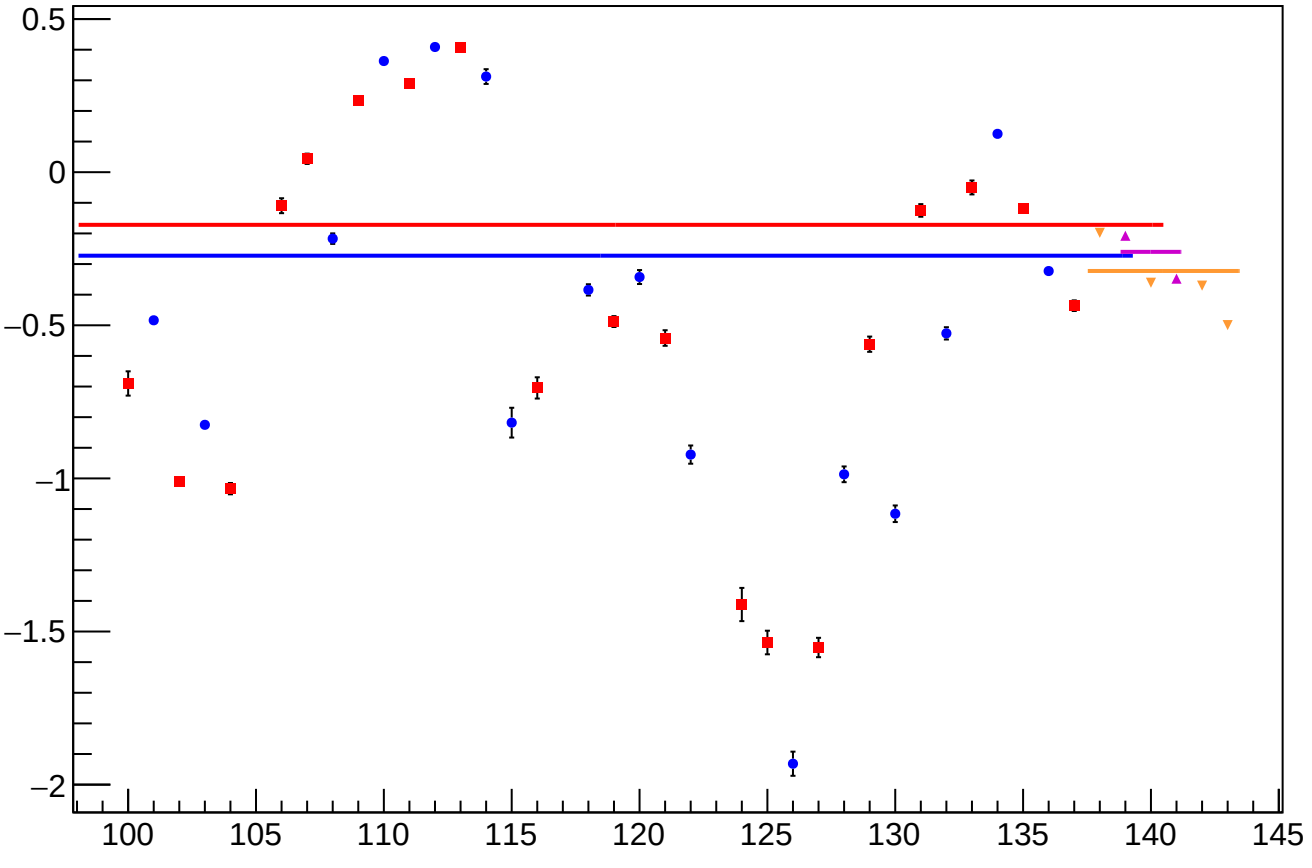
Left: 4.868+/-0.100 χ^2/NDF: 2659.2/5

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.439+/-0.065 χ^2/NDF:6287.1/17

Out: -0.363+/-0.058 χ^2/NDF:6642.4/22

All: -0.397+/-0.043 χ^2/NDF: 12930.3/40



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.323+/-0.005 χ^2/NDF:469.3/3

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.260+/-0.006 χ^2/NDF:135.7/1

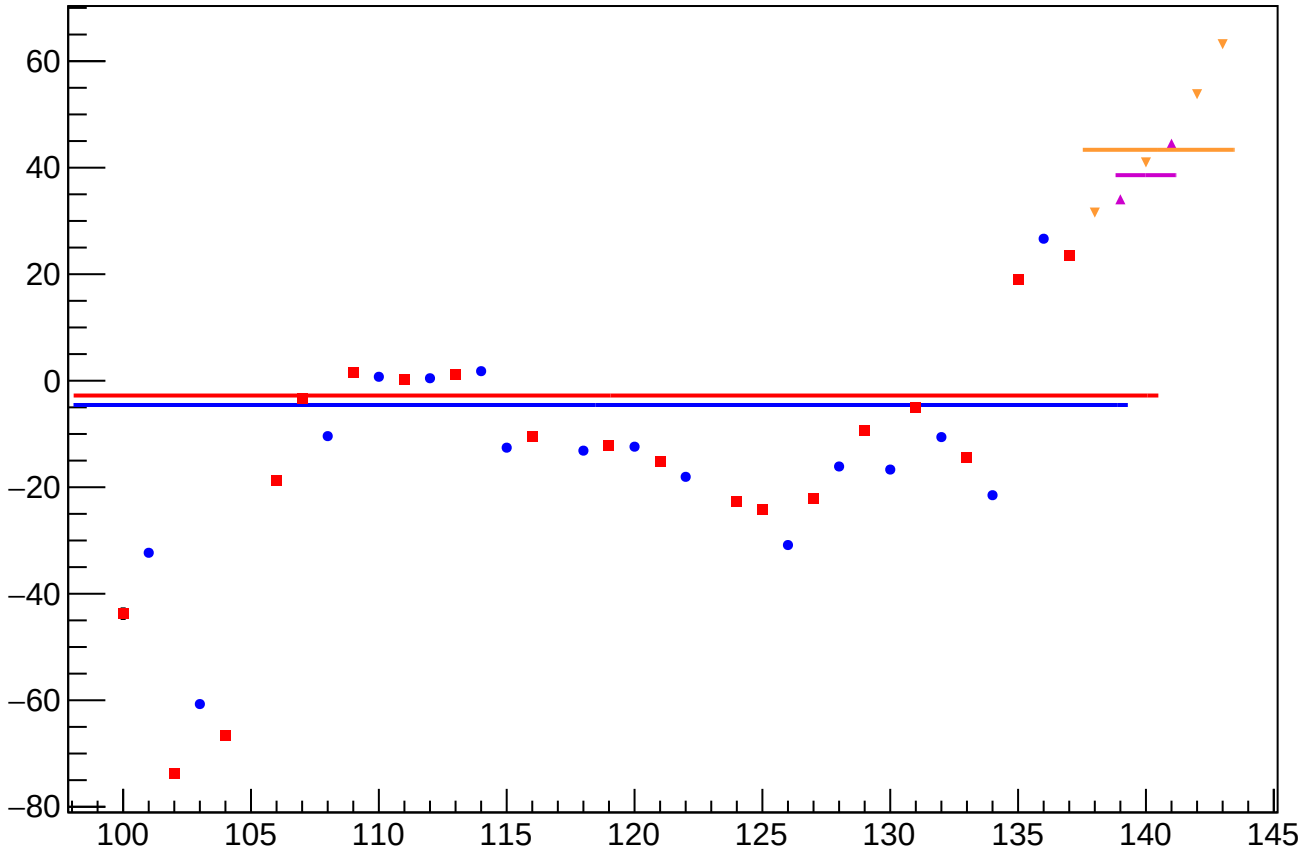
Left: -0.295+/-0.004 χ^2/NDF: 668.3/5

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.268+/-0.003 χ^2/NDF:11995.0/17

Out: -0.225+/-0.003 χ^2/NDF:16323.6/22

All: -0.245+/-0.002 χ^2/NDF: 28407.7/40



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 43.359+/-0.128 χ^2/NDF:8751.8/3

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 38.597+/-0.153 χ^2/NDF:1143.1/1

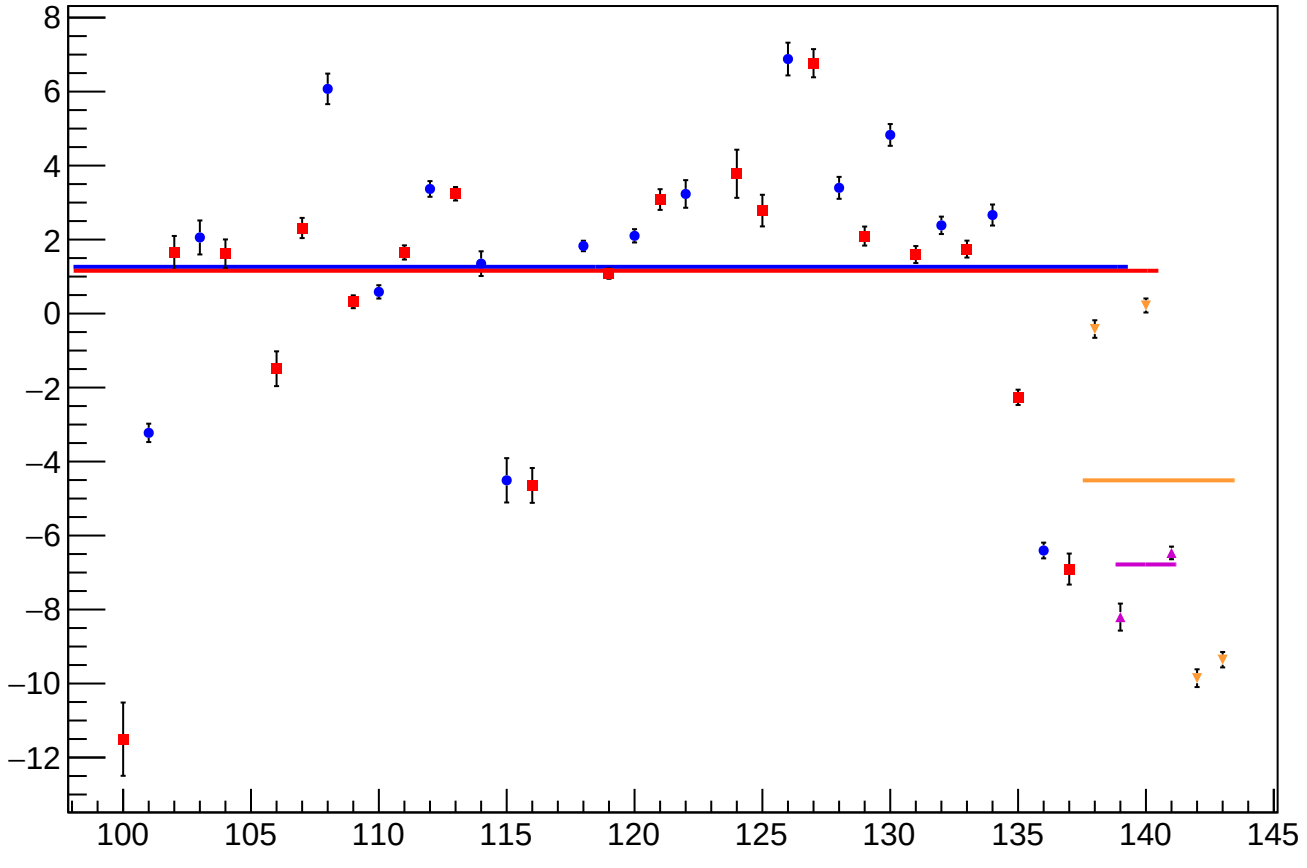
Left: 41.405+/-0.098 χ^2/NDF: 10465.9/5

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.669+/-0.053 χ^2/NDF:143674.2/17

Out: 3.044+/-0.045 χ^2/NDF:200842.3/22

All: 2.046+/-0.035 χ^2/NDF: 345669.8/40



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -4.508+/-0.108 χ^2/NDF:1954.7/3

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -6.782+/-0.155 χ^2/NDF:18.5/1

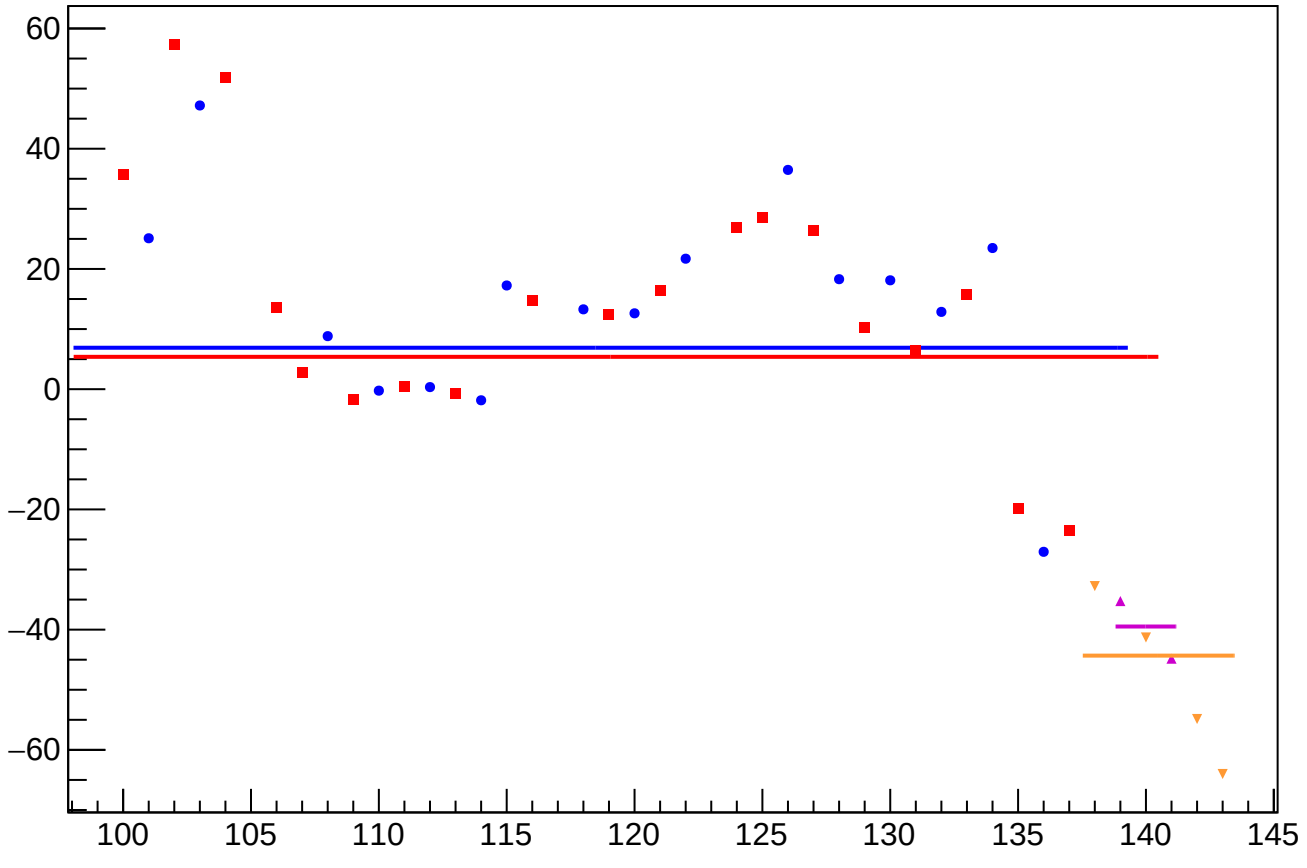
Left: -5.250+/-0.089 χ^2/NDF: 2118.1/5

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.152+/-0.058 χ^2/NDF:4784.9/17

Out: -0.150+/-0.052 χ^2/NDF:5566.3/22

All: -0.015+/-0.039 χ^2/NDF: 10366.5/40



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -44.321+/-0.132 χ^2/NDF:8084.1/3

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -39.479+/-0.158 χ^2/NDF:902.8/1

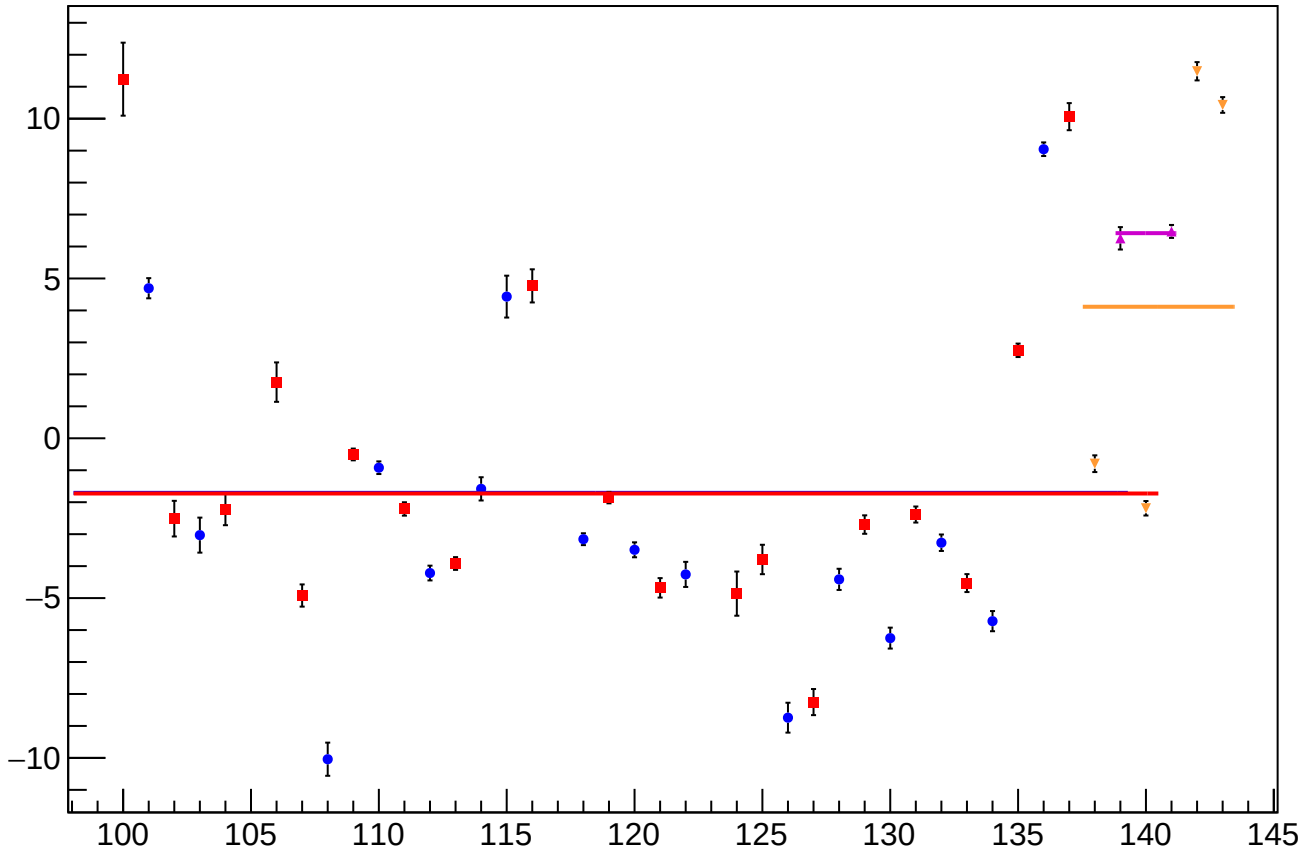
Left: -42.335+/-0.101 χ^2/NDF: 9538.1/5

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -0.209+/-0.062 χ^2/NDF:141547.8/17

Out: -3.519+/-0.056 χ^2/NDF:196556.1/22

All: -2.034+/-0.042 χ^2/NDF: 339676.2/40



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 4.115+/-0.126 χ^2/NDF:2450.0/3

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 6.418+/-0.176 χ^2/NDF:0.3/1

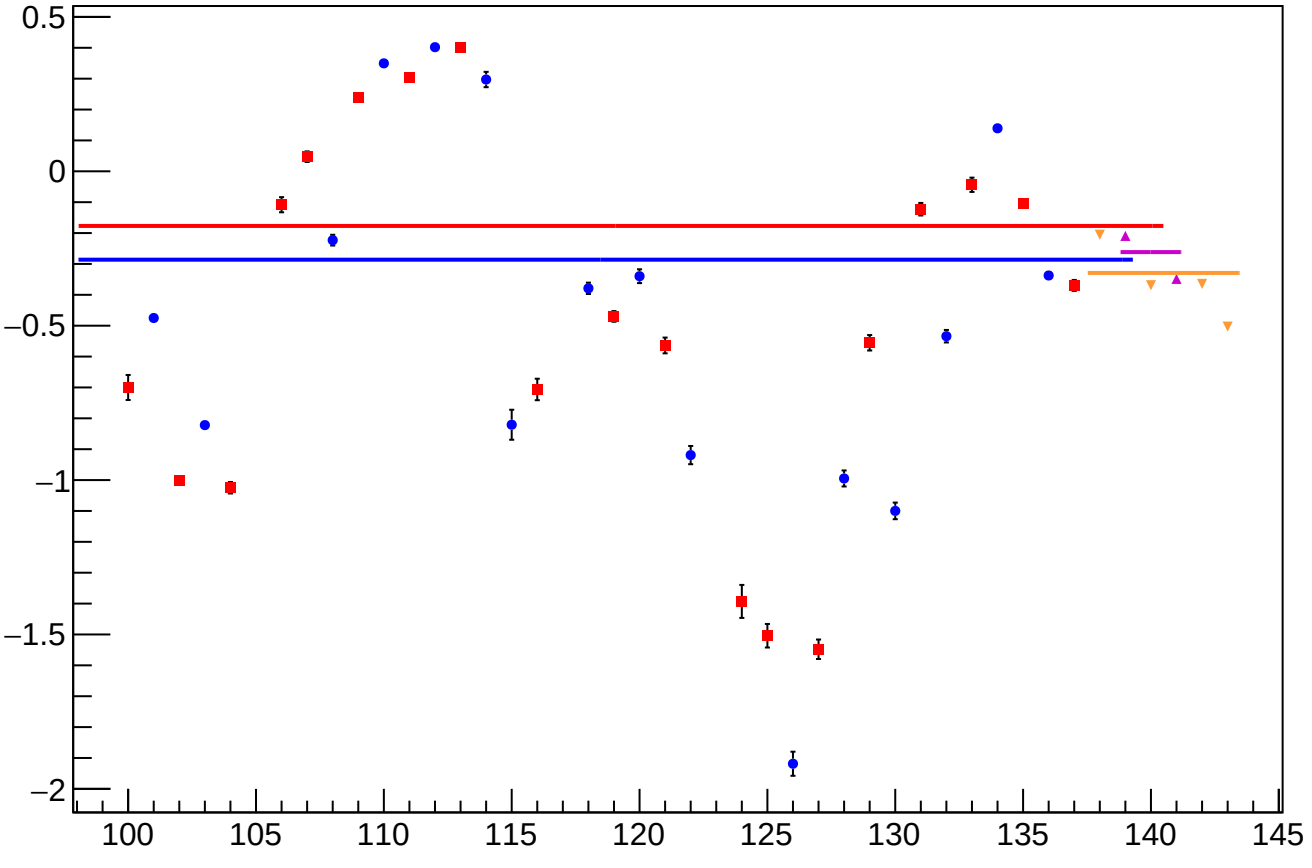
Left: 4.899+/-0.102 χ^2/NDF: 2563.8/5

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.549+/-0.066 χ^2/NDF:6127.8/17

Out: -0.446+/-0.059 χ^2/NDF:6434.7/22

All: -0.492+/-0.044 χ^2/NDF: 12563.9/40



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.329+/-0.005 χ^2/NDF:436.6/3

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.262+/-0.006 χ^2/NDF:128.8/1

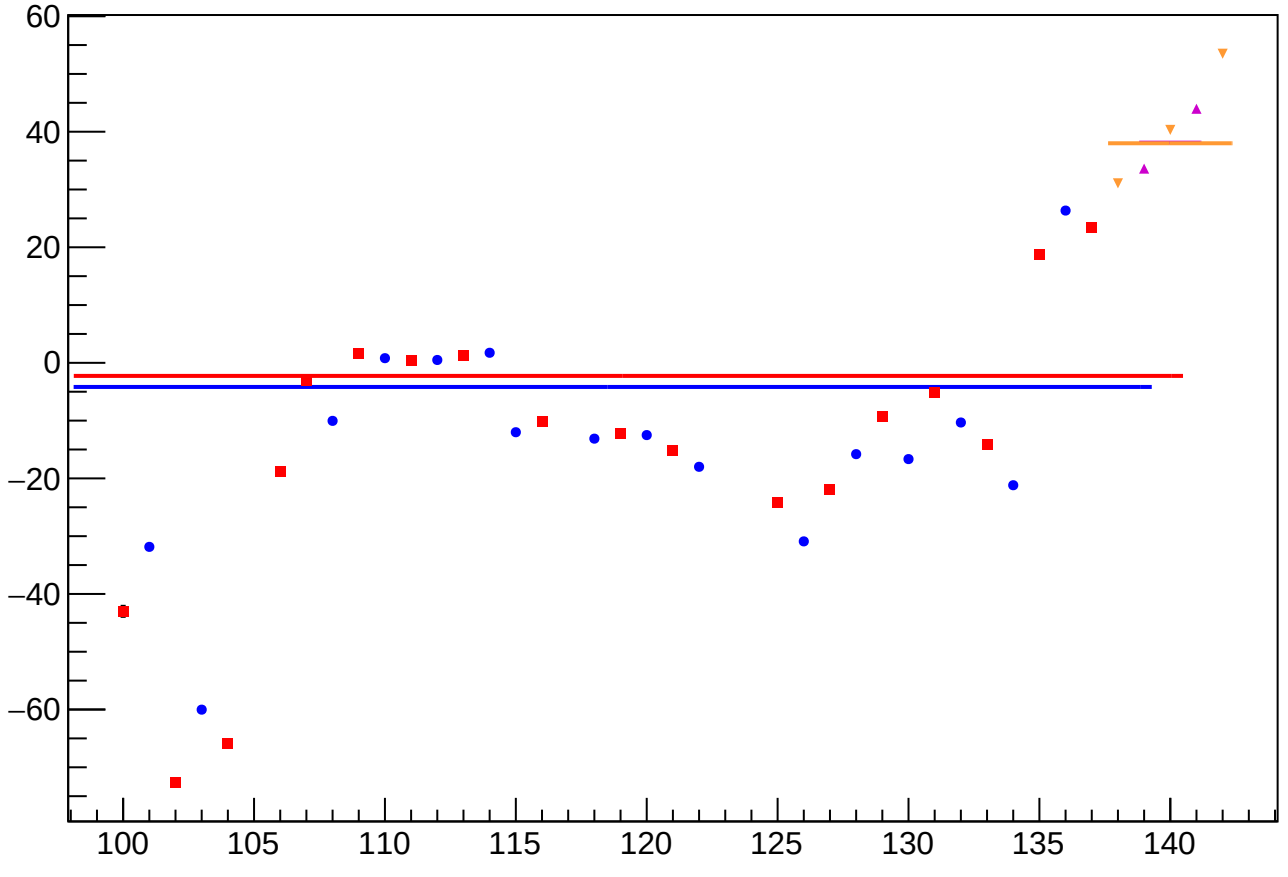
Left: -0.299+/-0.004 χ^2/NDF: 636.3/5

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.278+/-0.003 χ^2/NDF:11501.2/17

Out: -0.230+/-0.003 χ^2/NDF:15724.4/22

All: -0.252+/-0.002 χ^2/NDF: 27327.7/40



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 38.000+/-0.137 χ^2/NDF:3194.4/2

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: 38.049+/-0.101 χ^2/NDF: 4399.5/4

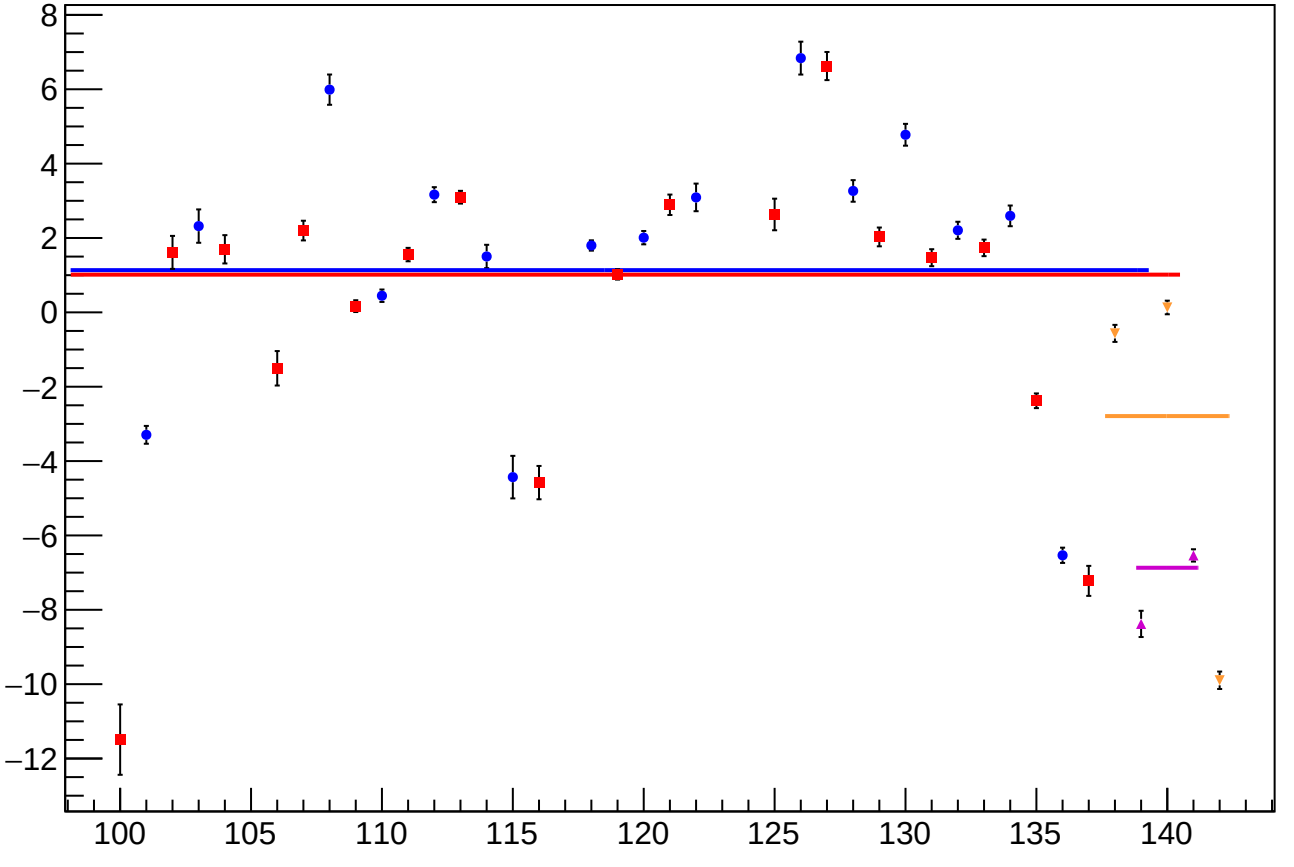
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.874+/-0.051 χ^2/NDF:148567.7/17

Out: 1.813+/-0.044 χ^2/NDF:160210.9/20

All: 1.417+/-0.033 χ^2/NDF: 308974.1/38

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: -2.790+/-0.122 χ^2/NDF:1268.6/2

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -6.869+/-0.150 χ^2/NDF:22.3/1

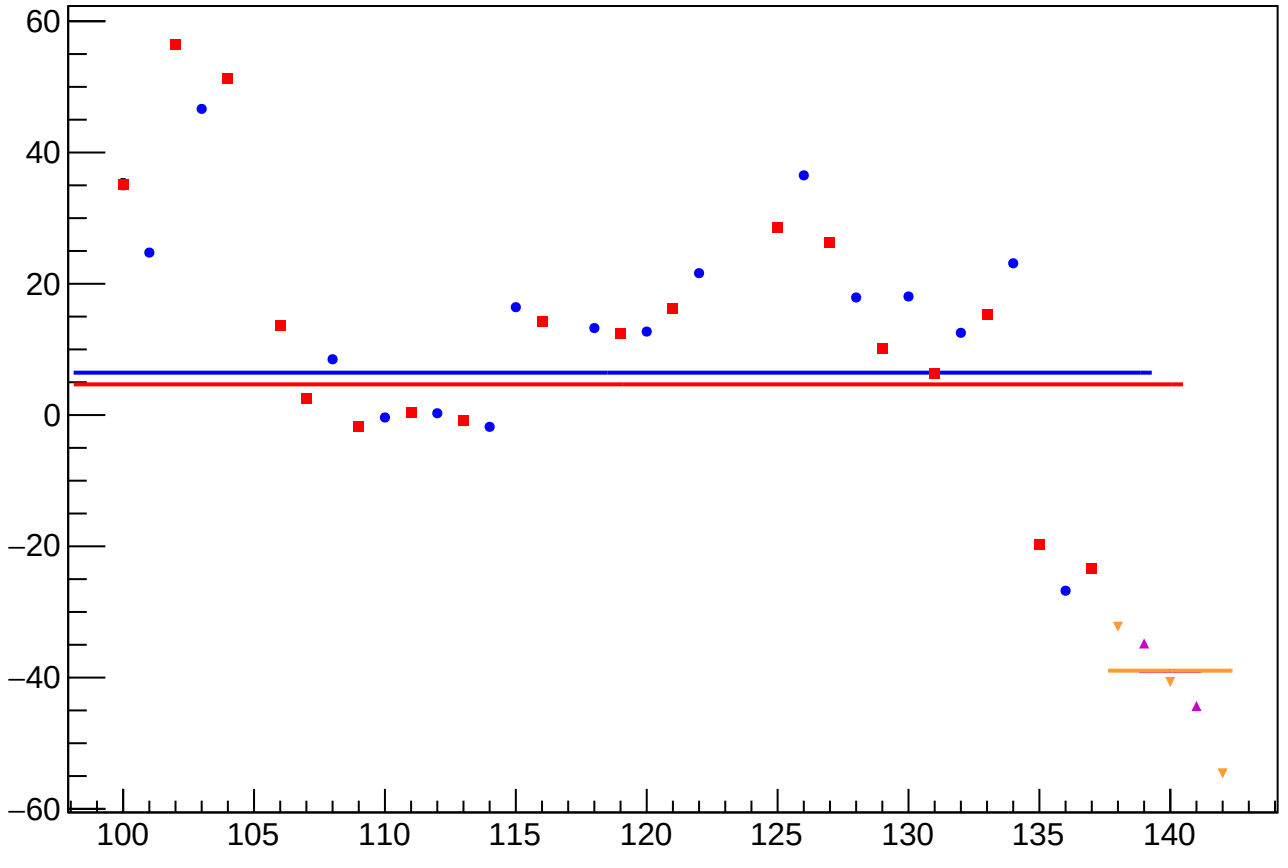
Left: -4.417+/-0.095 χ^2/NDF: 1736.3/4

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.024+/-0.056 χ^2/NDF:5074.7/17

Out: 0.329+/-0.052 χ^2/NDF:3657.6/20

All: 0.188+/-0.038 χ^2/NDF: 8748.5/38



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -38.942+/-0.142 χ^2/NDF:2887.8/2

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -39.003+/-0.153 χ^2/NDF:957.1/1

Left: -38.970+/-0.104 χ^2/NDF: 3845.0/4

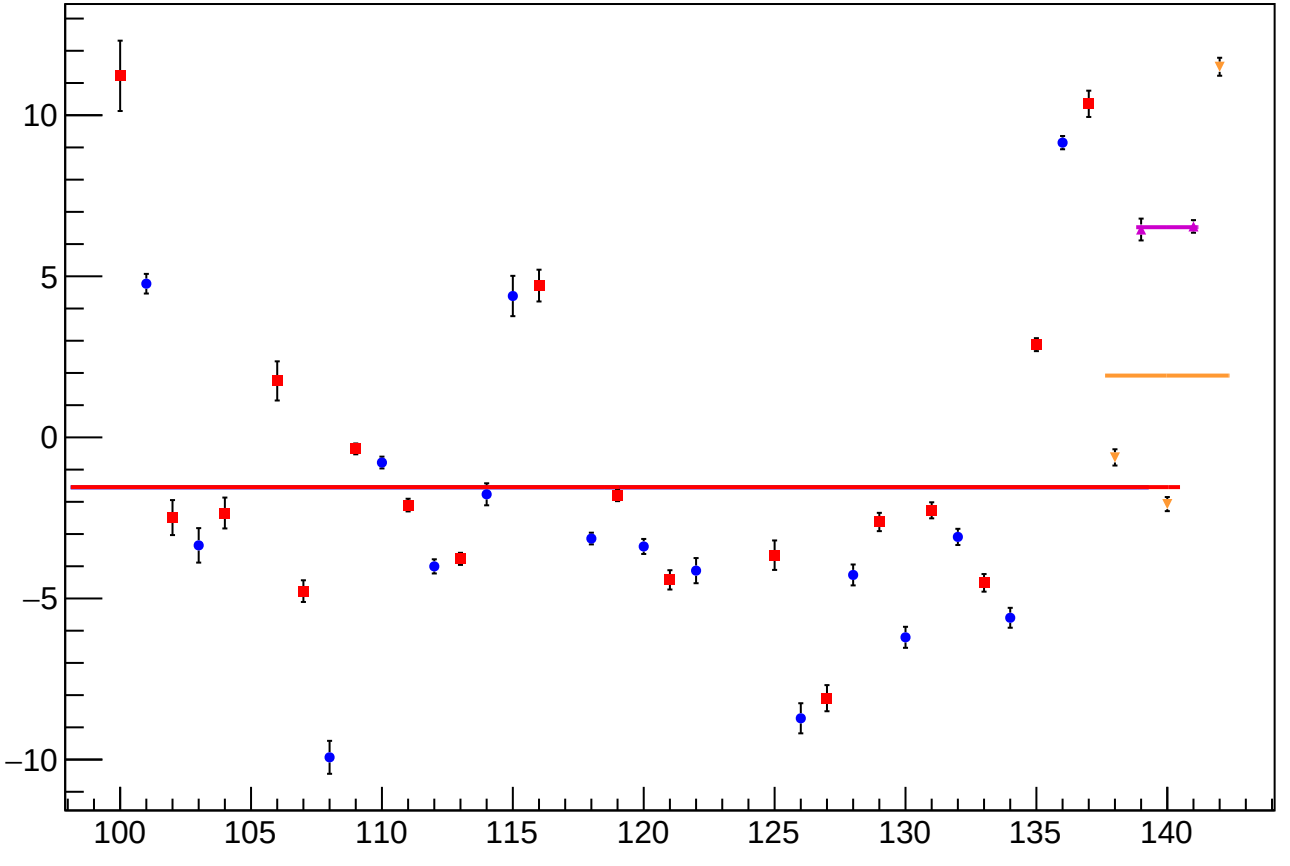
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.480+/-0.060 χ^2/NDF:146497.4/17

Out: -1.745+/-0.055 χ^2/NDF:157529.1/20

All: -1.170+/-0.040 χ^2/NDF: 304270.4/38

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 1.919+/-0.142 χ^2/NDF:1613.3/2

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 6.524+/-0.170 χ^2/NDF:0.1/1

Left: 3.819+/-0.109 χ^2/NDF: 2045.8/4

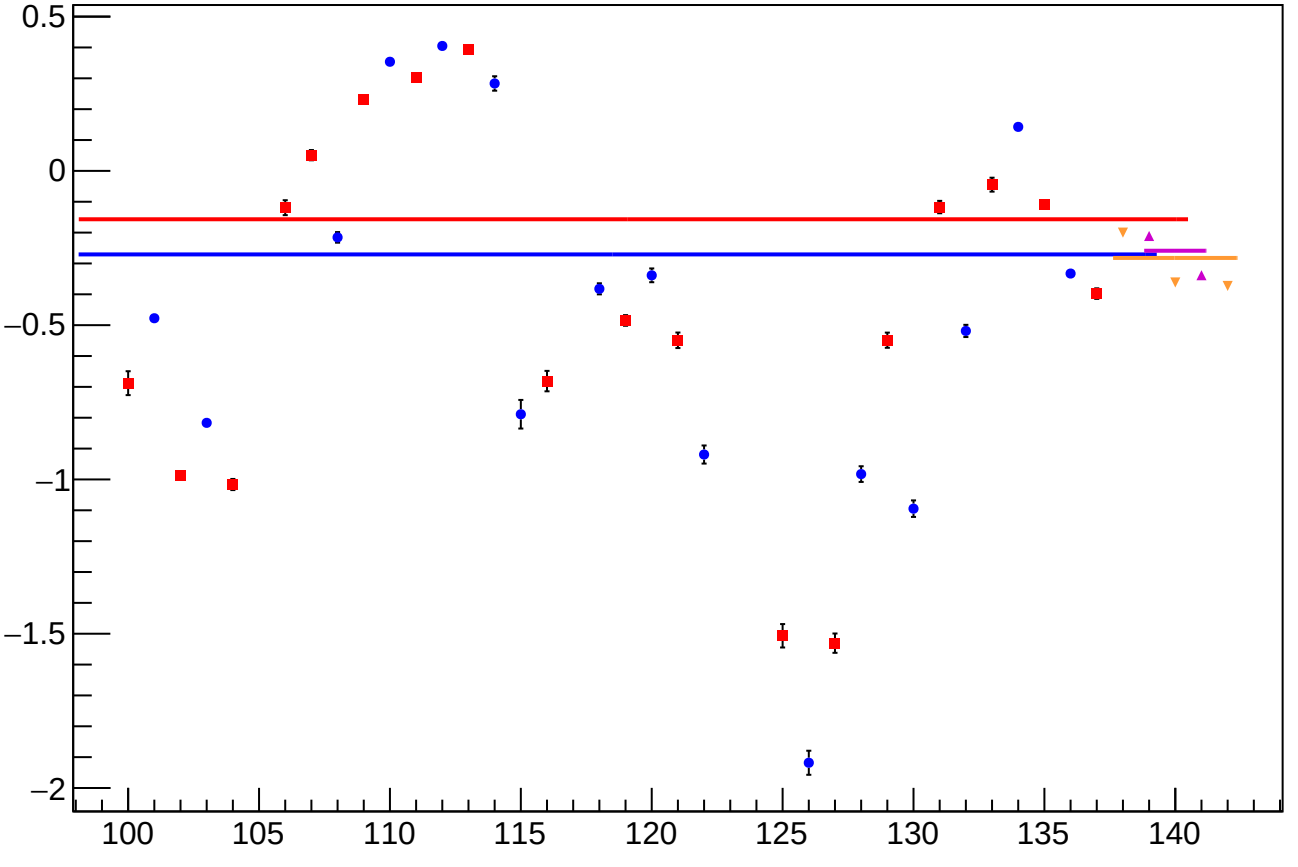
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.398+/-0.064 χ^2/NDF:6484.1/17

Out: -0.952+/-0.059 χ^2/NDF:4577.3/20

All: -0.699+/-0.043 χ^2/NDF: 11101.9/38

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: -0.282+/-0.006 χ^2/NDF:203.3/2

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.259+/-0.006 χ^2/NDF:115.0/1

Left: -0.270+/-0.004 χ^2/NDF: 326.4/4

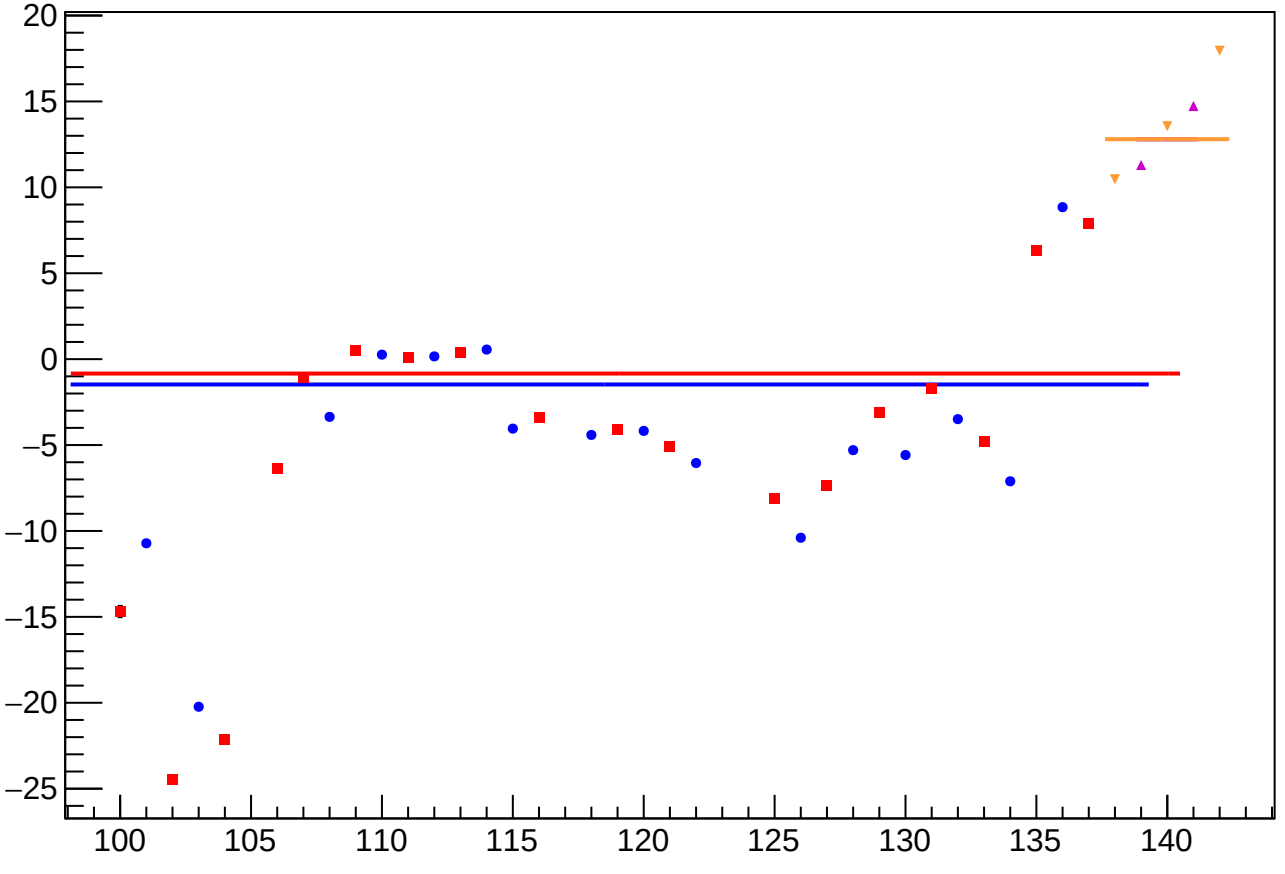
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.267+/-0.003 χ^2/NDF:12213.9/17

Out: -0.194+/-0.003 χ^2/NDF:15550.1/20

All: -0.228+/-0.002 χ^2/NDF: 28008.1/38

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: 12.802+/-0.047 χ^2/NDF:3083.0/2

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: 12.798+/-0.034 χ^2/NDF: 4231.0/4

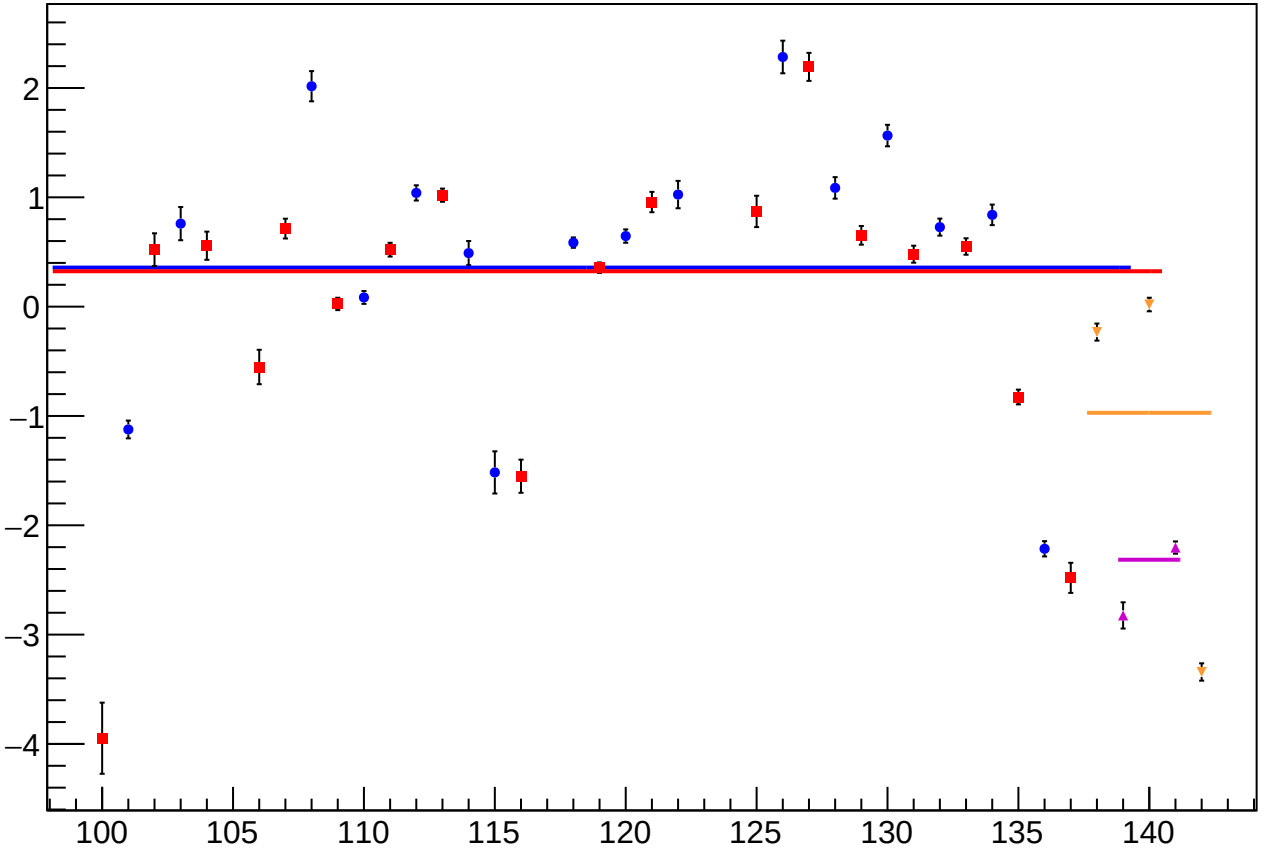
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.269+/-0.018 χ^2/NDF:145669.3/17

Out: 0.601+/-0.015 χ^2/NDF:157517.5/20

All: 0.459+/-0.011 χ^2/NDF: 303392.6/38

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: -0.971+/-0.041 χ^2/NDF:1239.0/2

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: -1.507+/-0.032 χ^2/NDF: 1680.8/4

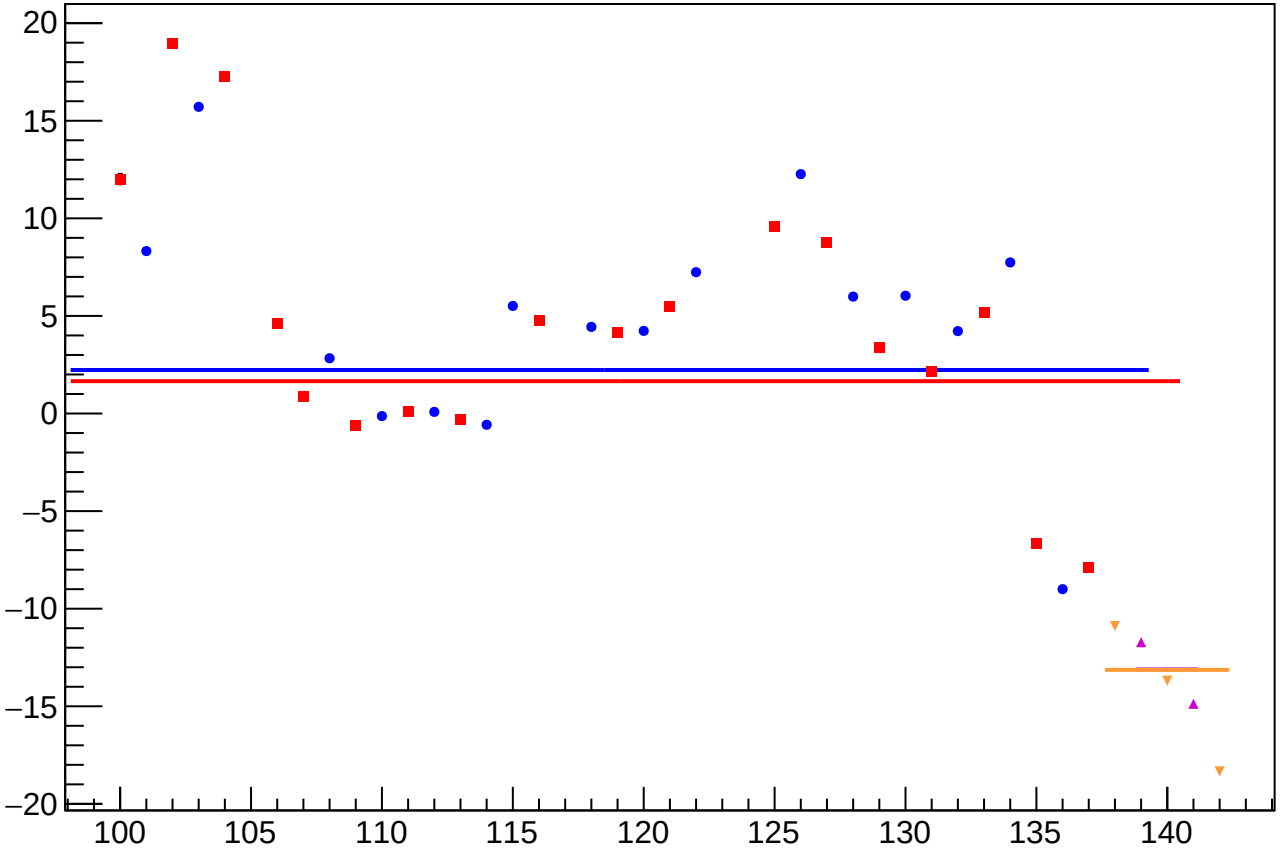
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.019+/-0.019 χ^2/NDF:4938.3/17

Out: 0.085+/-0.018 χ^2/NDF:3594.3/20

All: 0.037+/-0.013 χ^2/NDF: 8548.6/38

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: -13.134+/-0.048 χ^2/NDF:2787.4/2

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -13.112+/-0.052 χ^2/NDF:909.9/1

Left: -13.124+/-0.035 χ^2/NDF: 3697.3/4

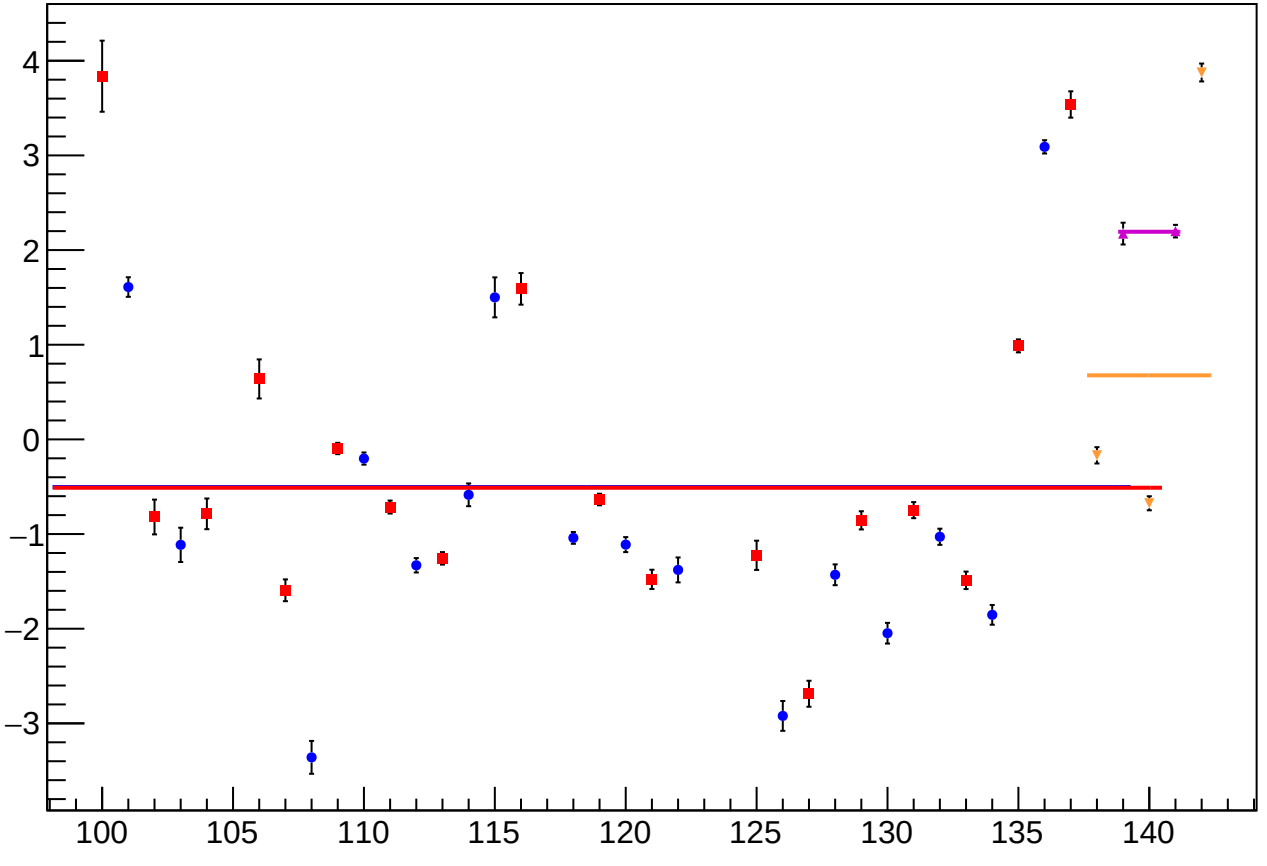
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.147+/-0.020 χ^2/NDF:143663.8/17

Out: -0.586+/-0.019 χ^2/NDF:154921.5/20

All: -0.384+/-0.014 χ^2/NDF: 298834.9/38

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: 0.677+/-0.048 χ^2/NDF:1576.7/2

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 2.193+/-0.058 χ^2/NDF:0.0/1

Left: 1.303+/-0.037 χ^2/NDF: 1983.9/4

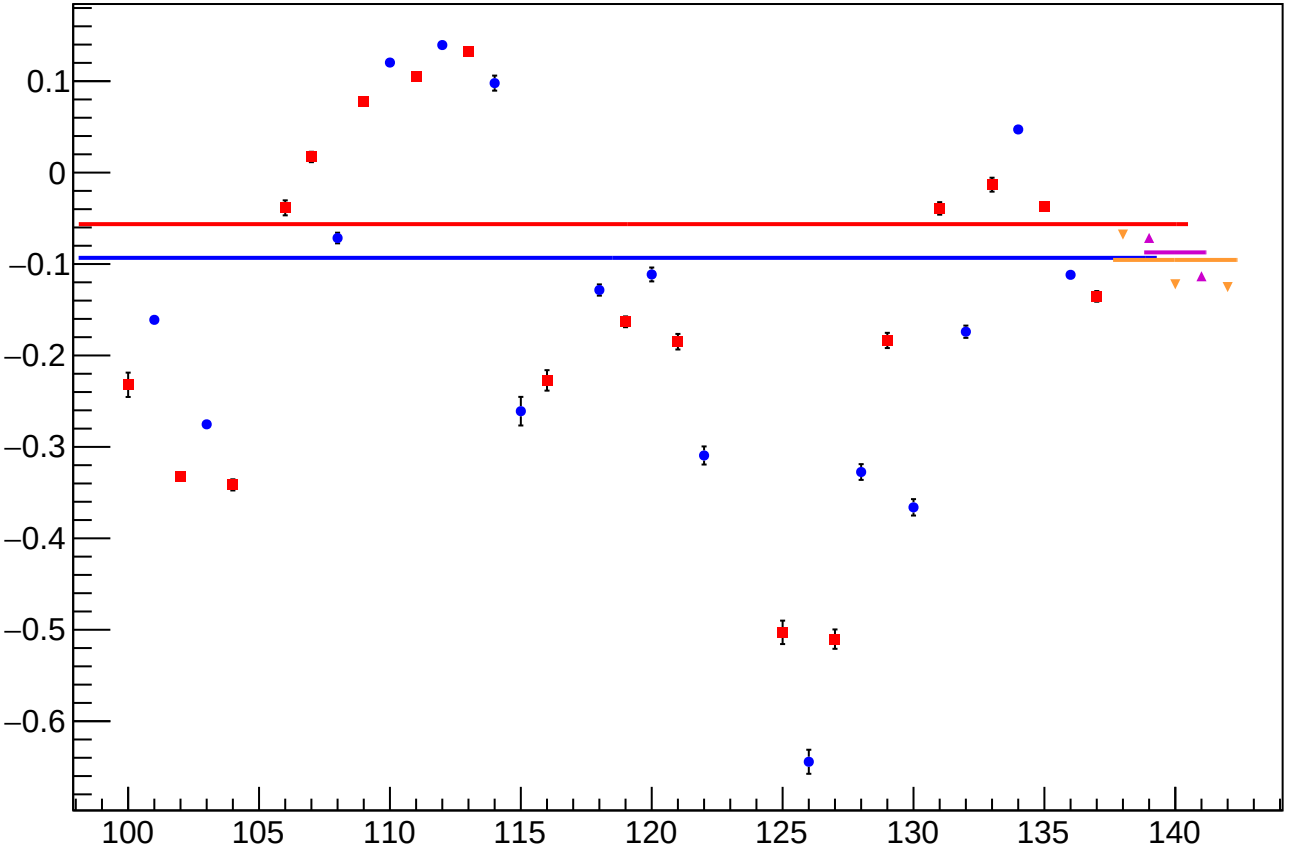
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.113+/-0.022 χ^2/NDF:6322.6/17

Out: -0.303+/-0.020 χ^2/NDF:4499.2/20

All: -0.215+/-0.015 χ^2/NDF: 10862.3/38

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: -0.096+/-0.002 χ^2/NDF:197.3/2

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.087+/-0.002 χ^2/NDF:108.4/1

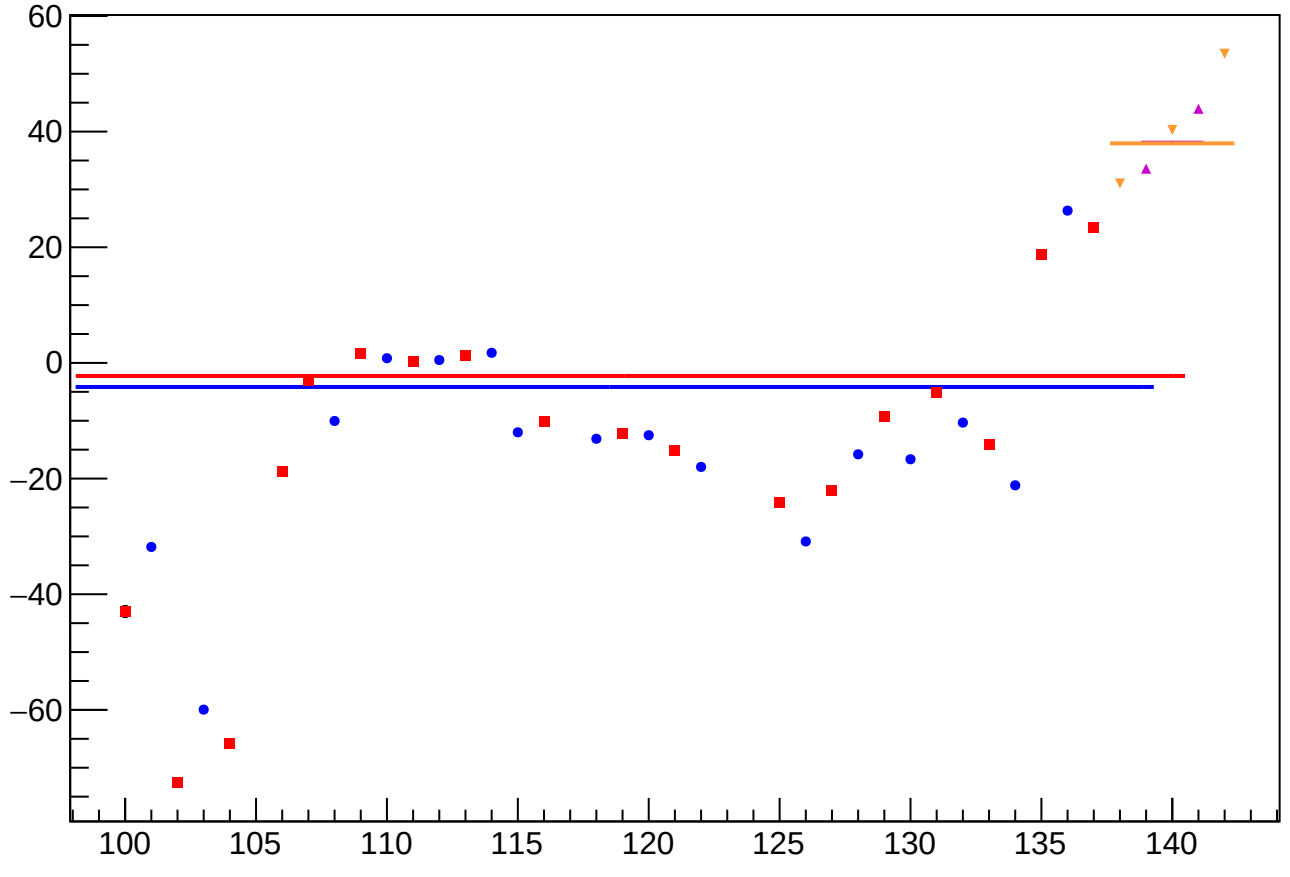
Left: -0.091+/-0.001 χ^2/NDF: 314.5/4

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.091+/-0.001 χ^2/NDF:11857.0/17

Out: -0.068+/-0.001 χ^2/NDF:14928.8/20

All: -0.079+/-0.001 χ^2/NDF: 26995.3/38



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 37.965+/-0.137 χ^2/NDF:3199.2/2

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 38.079+/-0.148 χ^2/NDF:1208.5/1

Left: 38.018+/-0.100 χ^2/NDF: 4408.0/4

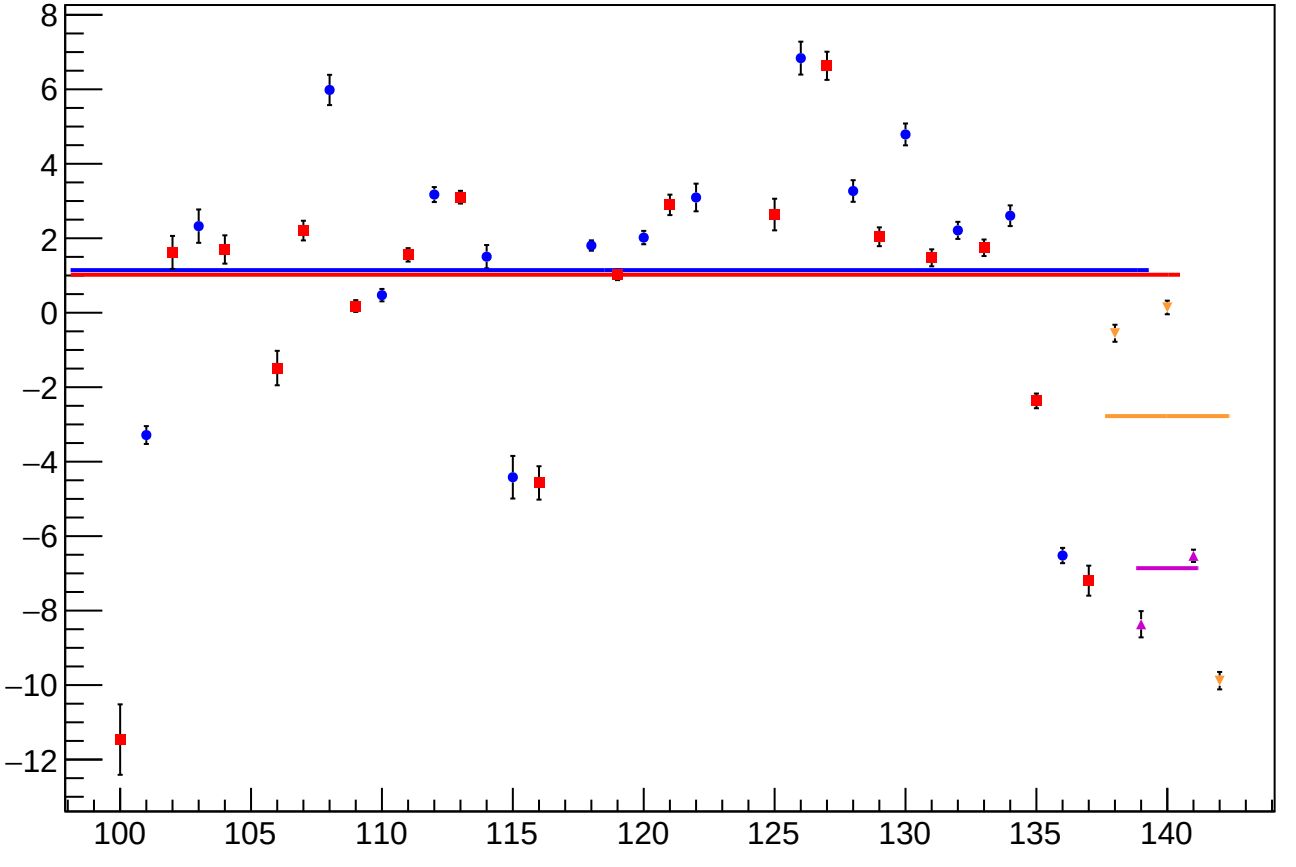
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.878+/-0.051 χ^2/NDF:148584.1/17

Out: 1.813+/-0.044 χ^2/NDF:160202.9/20

All: 1.419+/-0.033 χ^2/NDF: 308981.1/38

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: -2.776+/-0.122 χ^2/NDF:1269.6/2

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -6.860+/-0.150 χ^2/NDF:22.3/1

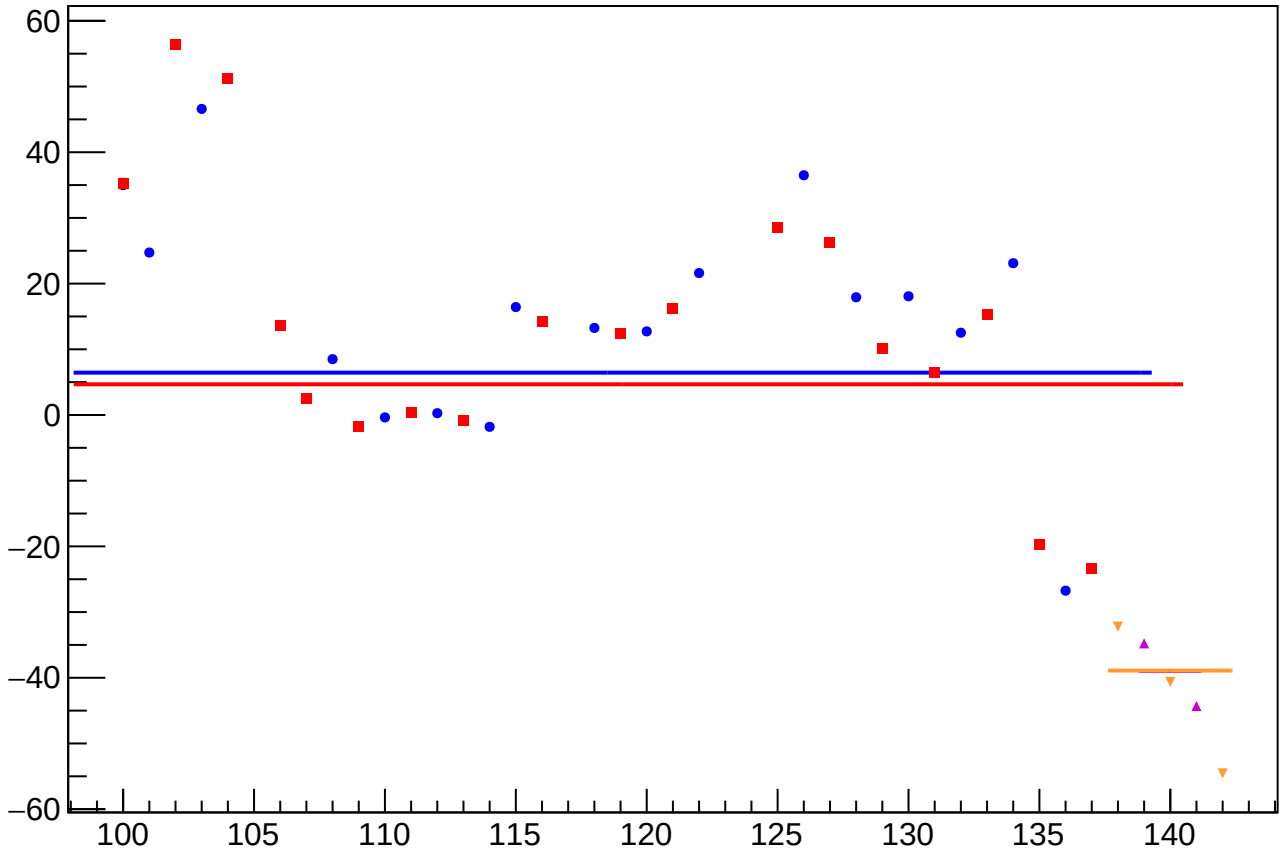
Left: -4.405+/-0.095 χ^2/NDF: 1739.0/4

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.033+/-0.056 χ^2/NDF:5077.9/17

Out: 0.338+/-0.052 χ^2/NDF:3655.3/20

All: 0.197+/-0.038 χ^2/NDF: 8749.3/38



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -38.900+/-0.142 χ^2/NDF:2892.2/2

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -38.970+/-0.153 χ^2/NDF:960.4/1

Left: -38.932+/-0.104 χ^2/NDF: 3852.7/4

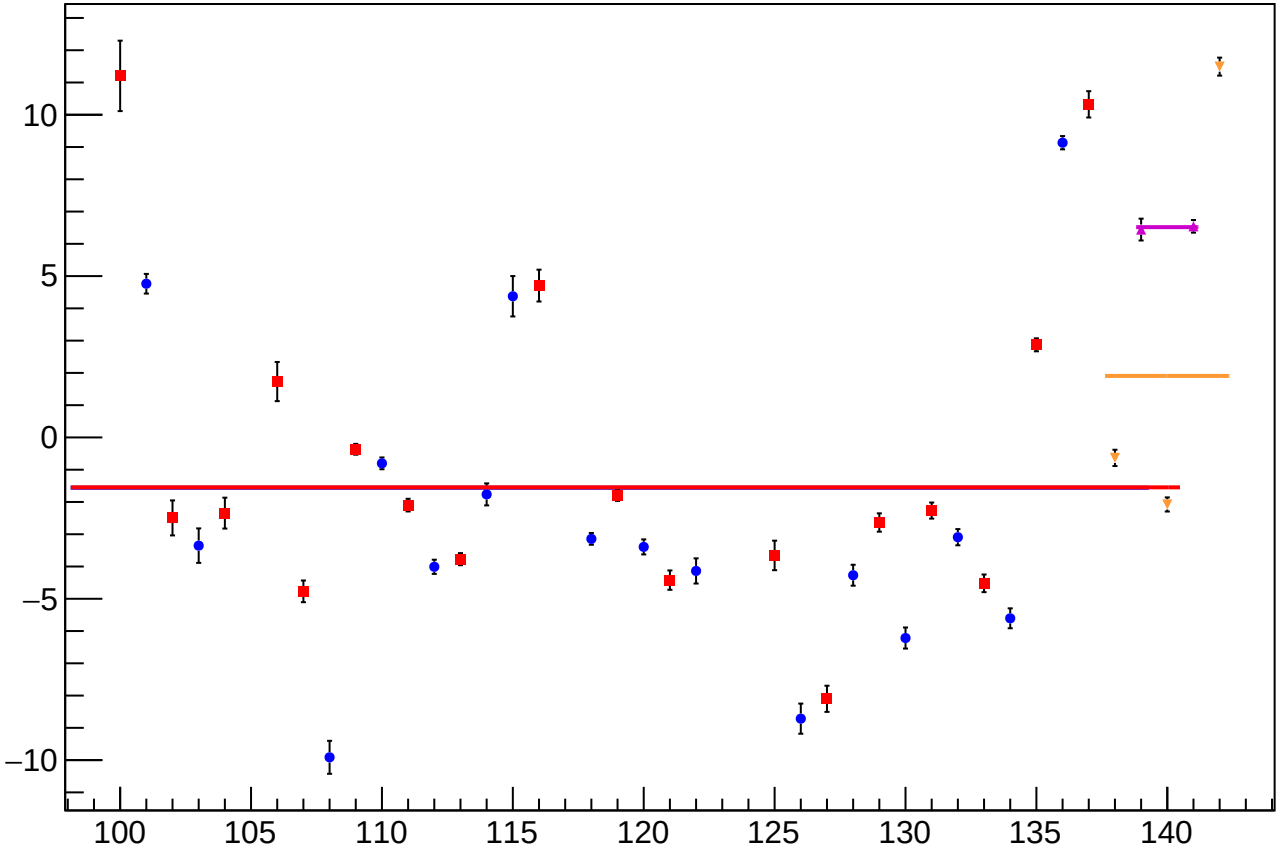
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.480+/-0.060 χ^2/NDF:146507.9/17

Out: -1.739+/-0.054 χ^2/NDF:157515.0/20

All: -1.167+/-0.040 χ^2/NDF: 304265.1/38

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: 1.907+/-0.142 χ^2/NDF:1614.5/2

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 6.517+/-0.170 χ^2/NDF:0.1/1

Left: 3.809+/-0.109 χ^2/NDF: 2048.6/4

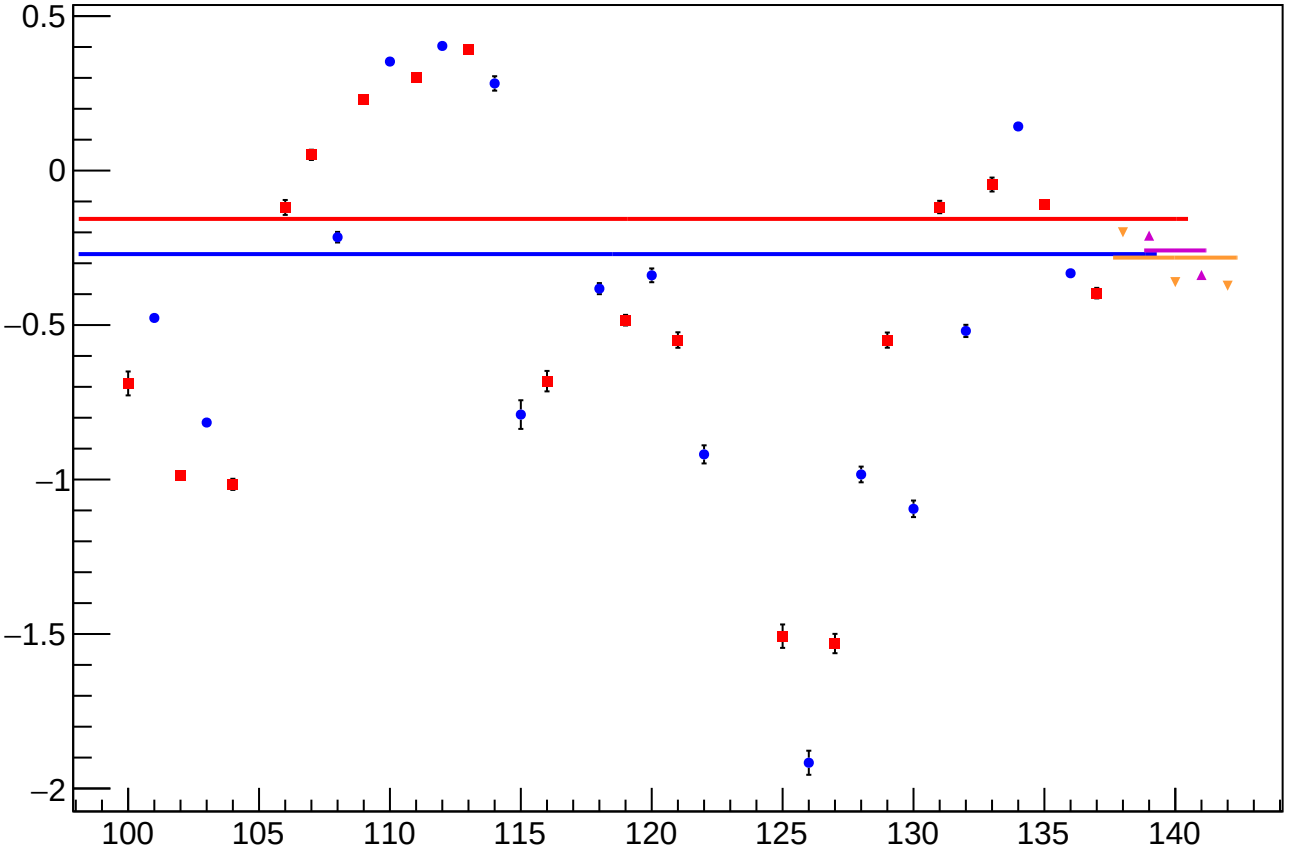
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.405+/-0.064 χ^2/NDF:6486.6/17

Out: -0.957+/-0.059 χ^2/NDF:4574.1/20

All: -0.705+/-0.043 χ^2/NDF: 11101.0/38

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: -0.282+/-0.006 χ^2/NDF:203.4/2

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.259+/-0.006 χ^2/NDF:115.5/1

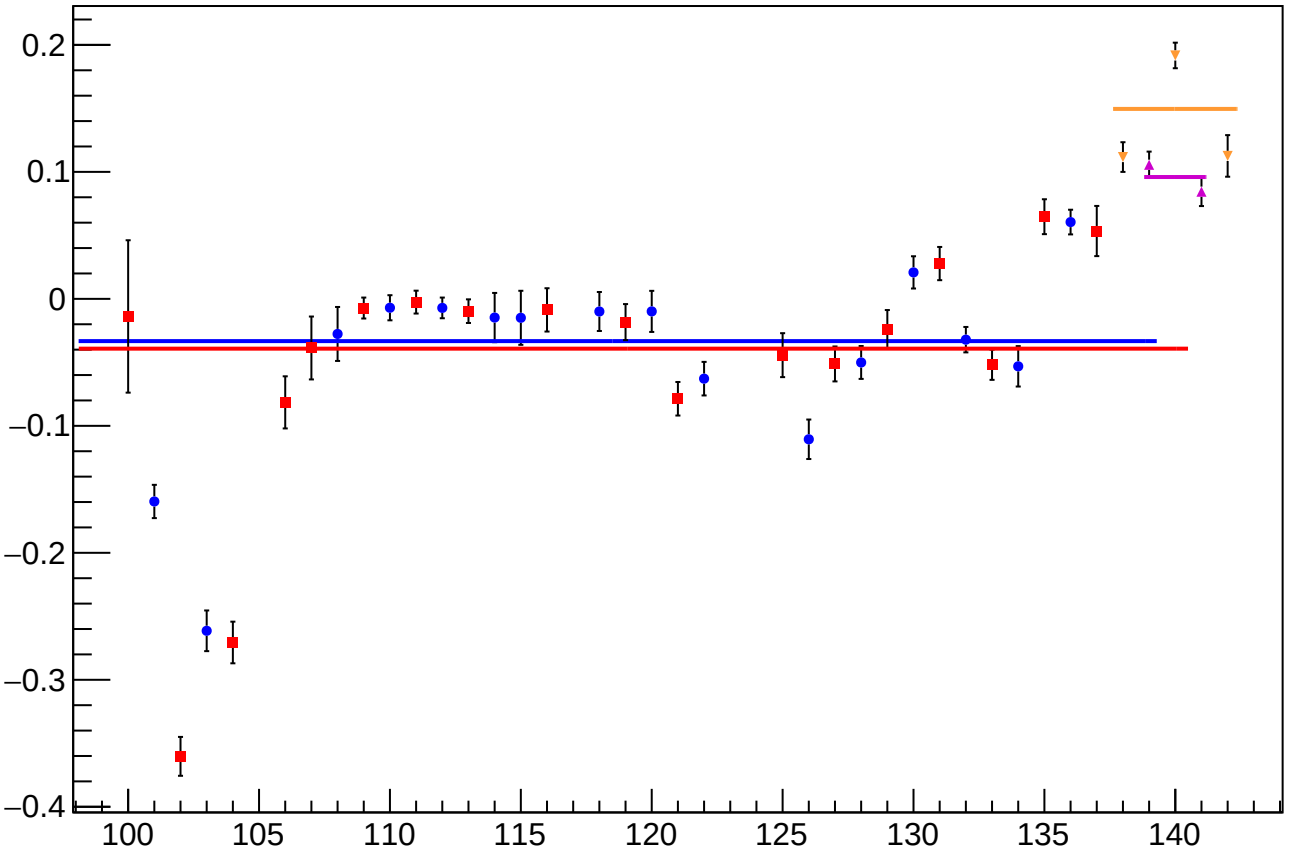
Left: -0.270+/-0.004 χ^2/NDF: 327.0/4

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.266+/-0.003 χ^2/NDF:12215.1/17

Out: -0.194+/-0.003 χ^2/NDF:15561.7/20

All: -0.228+/-0.002 χ^2/NDF: 28021.9/38



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.150+/-0.007 χ^2/NDF:33.1/2

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: 0.125+/-0.005 χ^2/NDF: 62.1/4

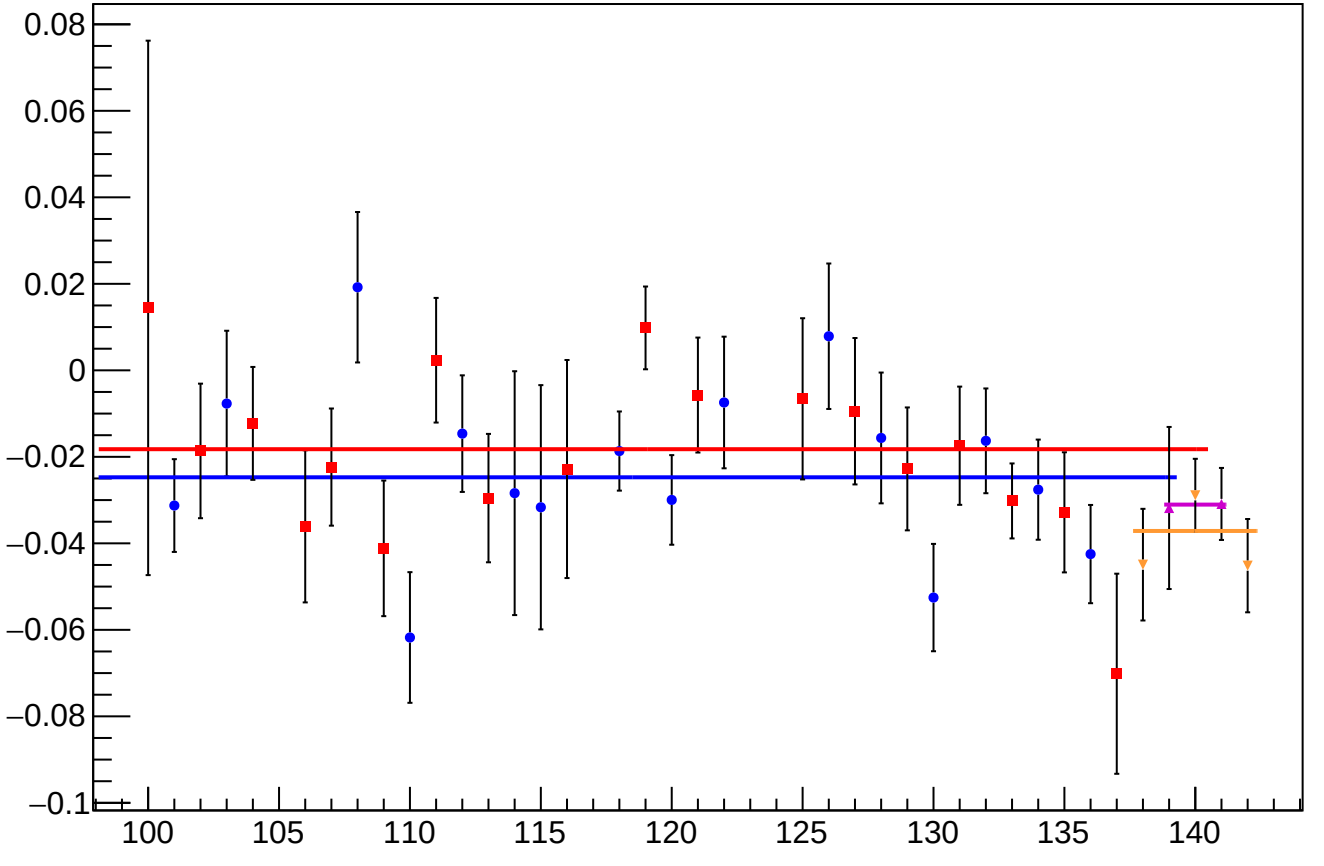
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.014+/-0.003 χ^2/NDF:708.3/17

Out: -0.006+/-0.003 χ^2/NDF:1455.9/20

All: -0.010+/-0.002 χ^2/NDF: 2167.6/38

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.037+/-0.006 χ^2/NDF:1.9/2

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.008 χ^2/NDF:0.0/1

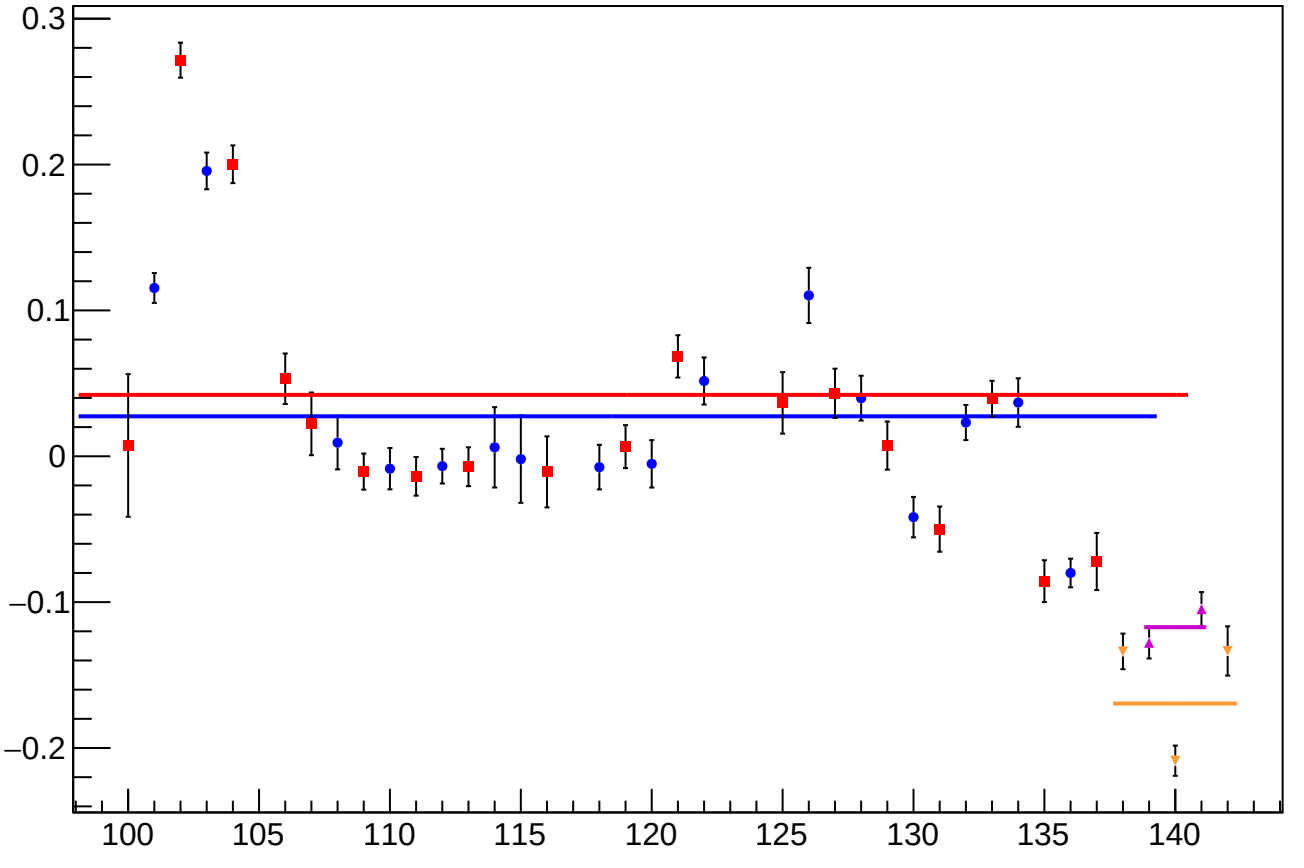
Left: -0.035+/-0.005 χ^2/NDF: 2.3/4

Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.003 χ^2/NDF:29.1/17

Out: -0.023+/-0.003 χ^2/NDF:34.3/20

All: -0.024+/-0.002 χ^2/NDF: 63.9/38



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.169+/-0.007 χ^2/NDF:27.4/2

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.117+/-0.008 χ^2/NDF:2.1/1

Left: -0.146+/-0.005 χ^2/NDF: 53.7/4

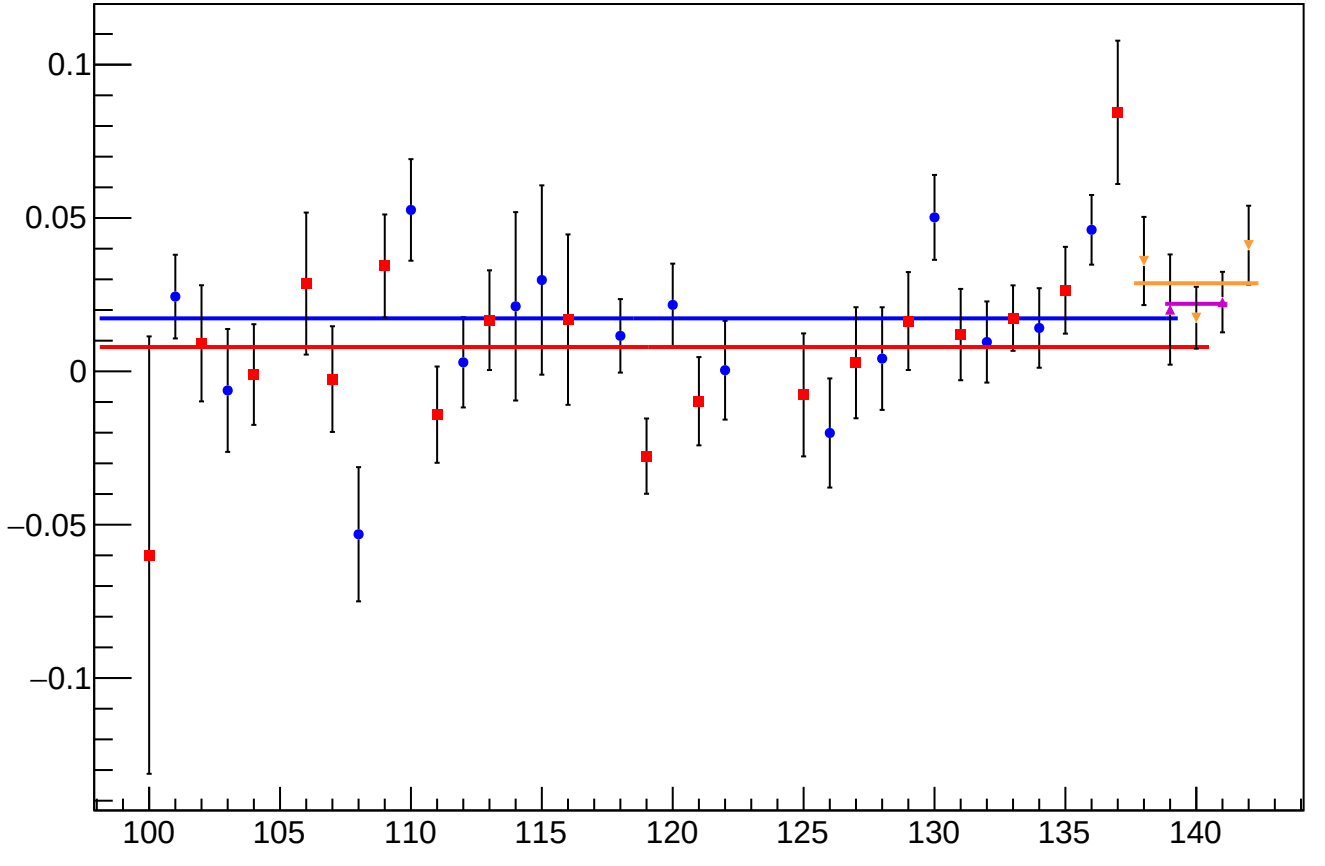
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: 0.003+/-0.003 χ^2/NDF:725.8/17

Out: -0.001+/-0.003 χ^2/NDF:1455.5/20

All: 0.001+/-0.002 χ^2/NDF: 2182.2/38

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: 0.029+/-0.007 χ^2/NDF:2.4/2

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.009 χ^2/NDF:0.0/1

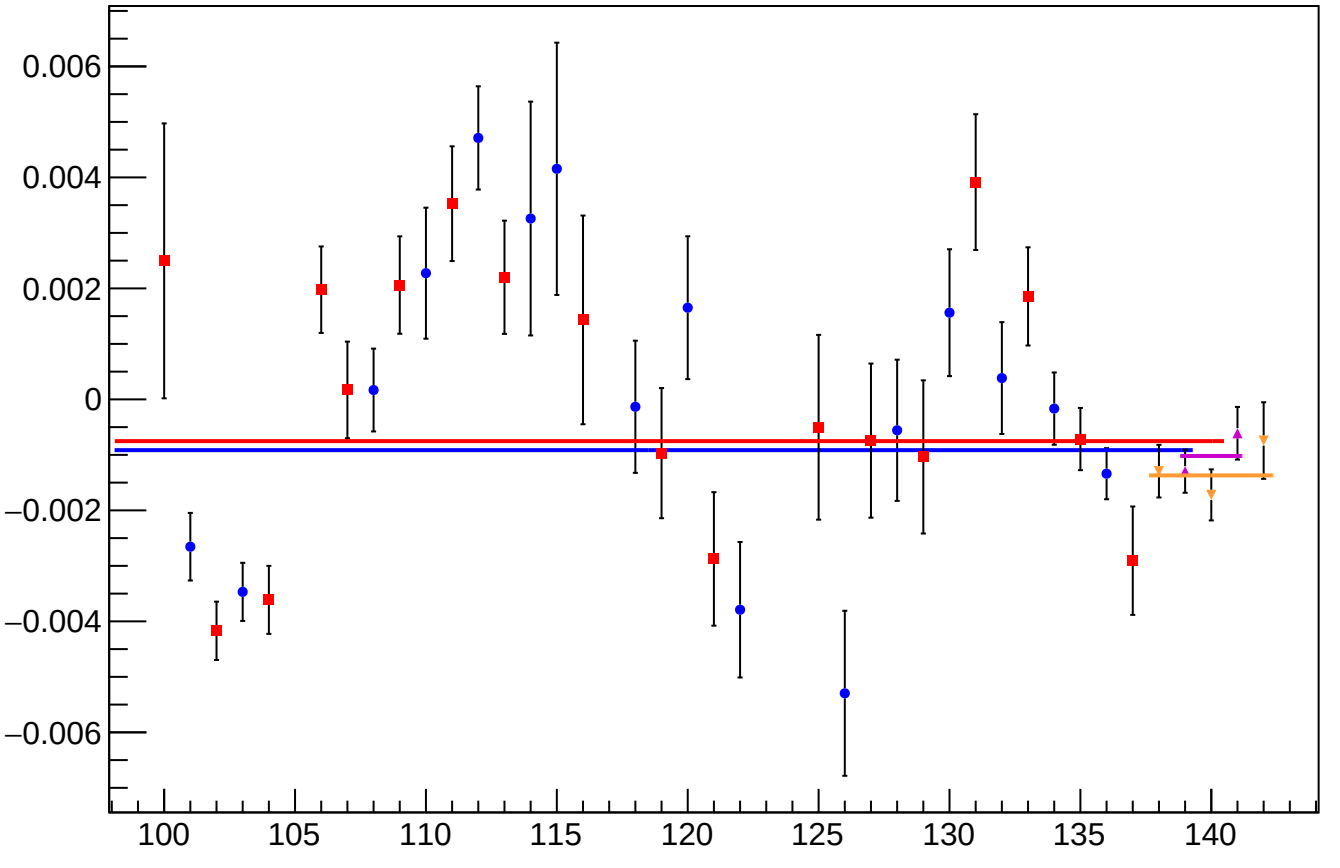
Left: 0.026+/-0.005 χ^2/NDF: 2.8/4

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.018+/-0.004 χ^2/NDF:36.9/17

Out: 0.013+/-0.003 χ^2/NDF:40.6/20

All: 0.015+/-0.002 χ^2/NDF: 78.6/38



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:1.4/2

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:1.2/1

Left: -0.001+/-0.000 χ^2/NDF: 3.4/4

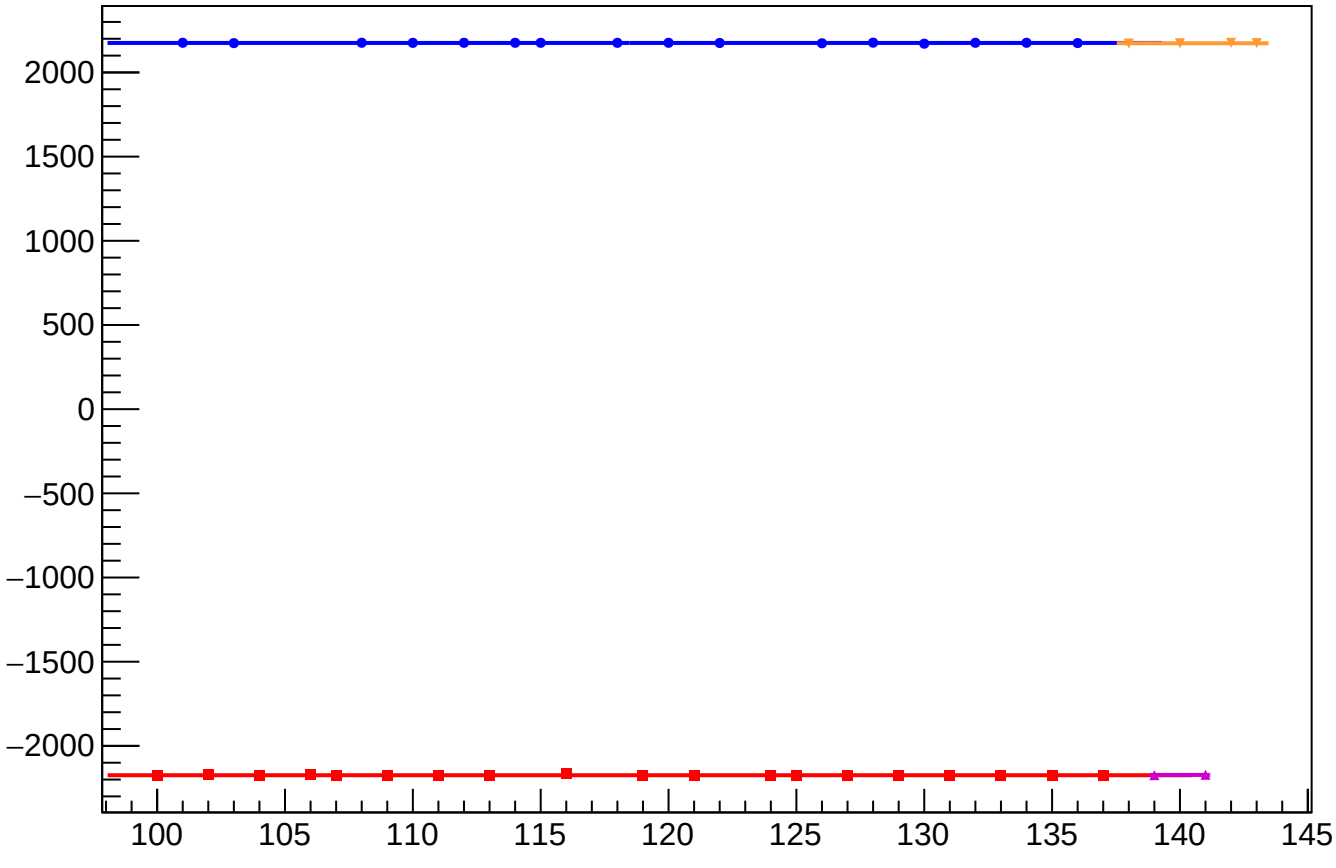
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:115.4/17

Out: -0.001+/-0.000 χ^2/NDF:151.9/20

All: -0.001+/-0.000 χ^2/NDF: 267.3/38

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2173.418+/-0.000 χ^2/NDF:5630102460878185339567249503027 20.0/3

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

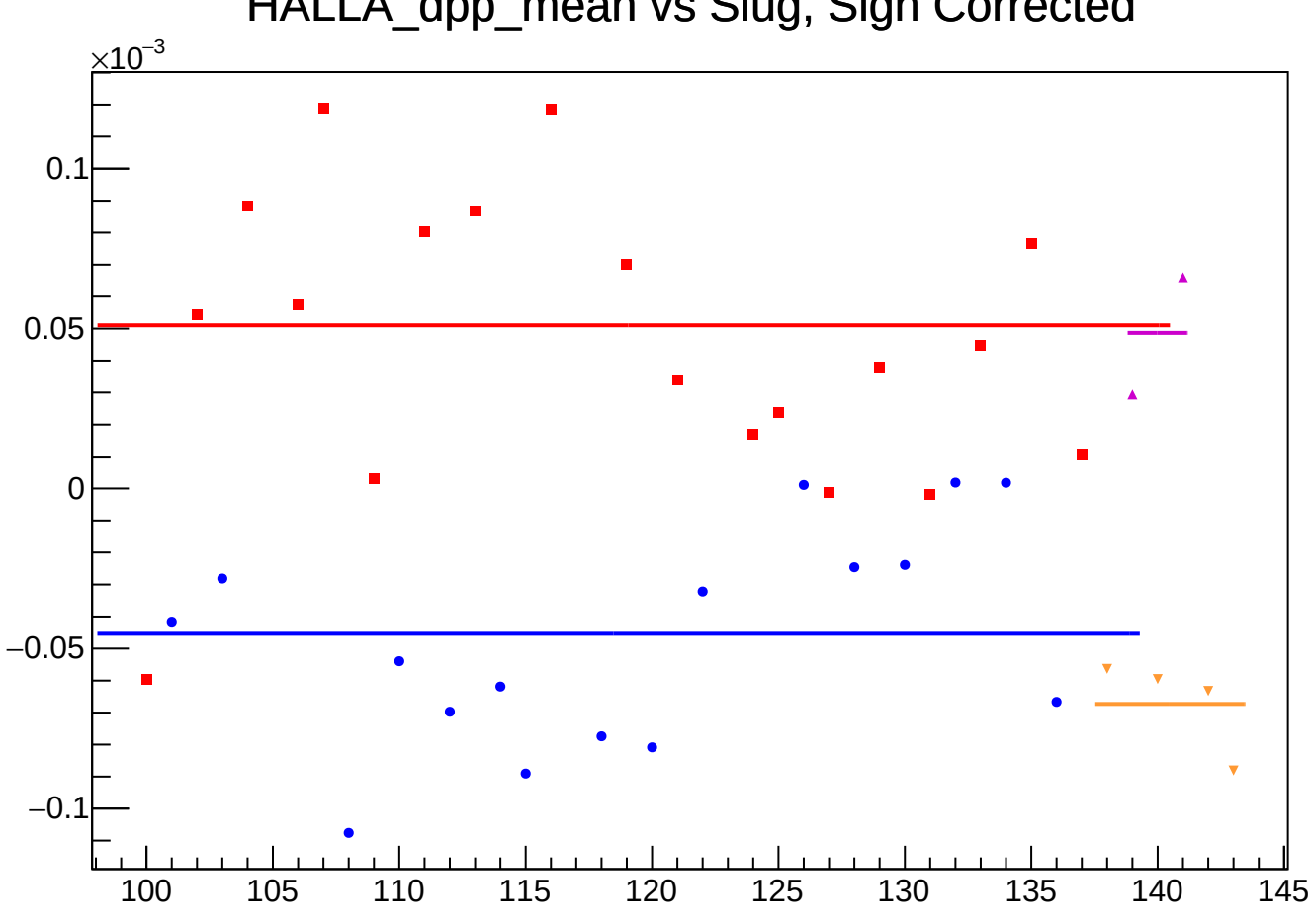
Left: 550.574+/-0.000 χ^2/NDF: 2094667836687573

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

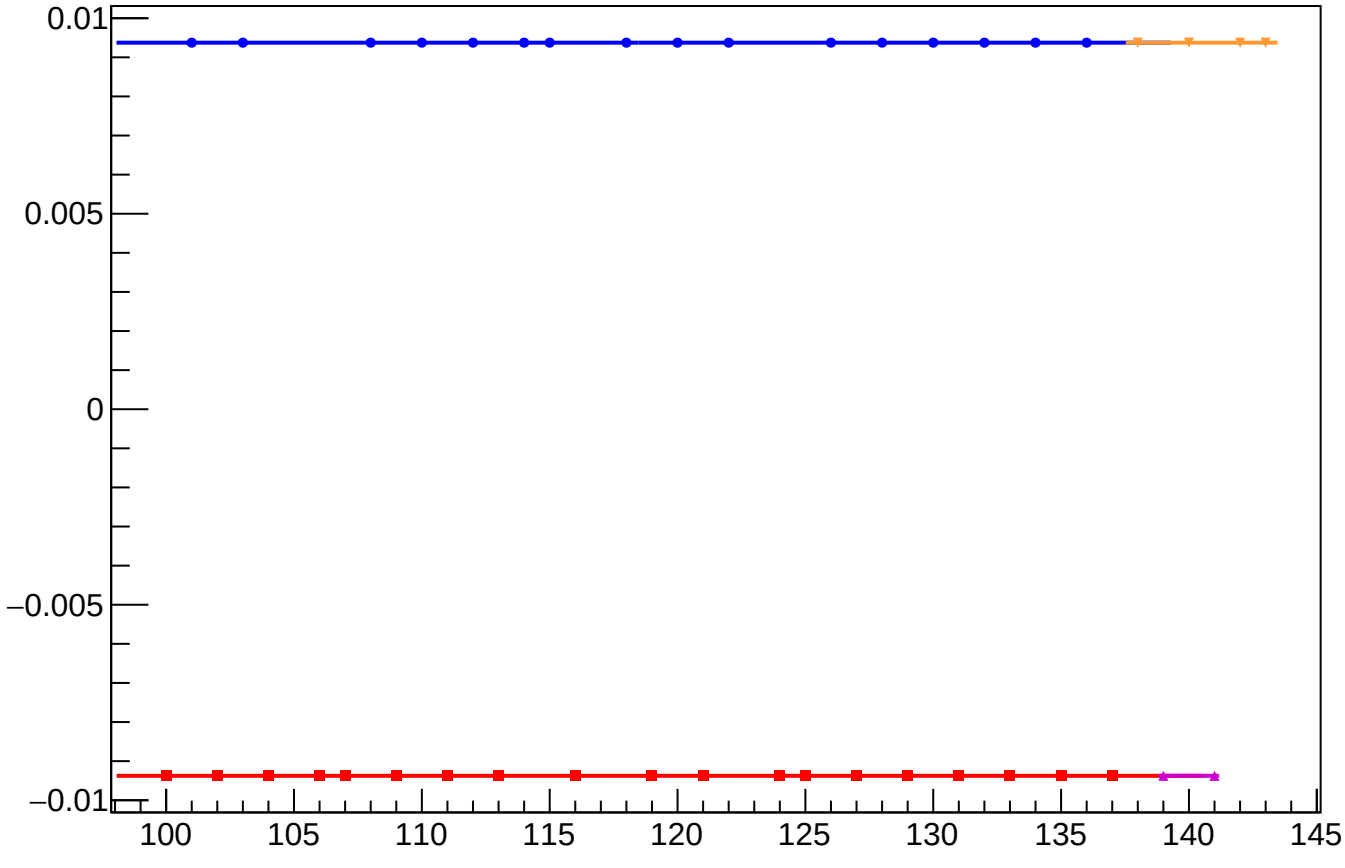
In: 1336.918+/-0.000 χ^2/NDF:270065424800778

Out: -956.136+/-0.000 χ^2/NDF:404113455611011

All: 108.082+/-0.000 χ^2/NDF: 93285172074


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
145
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:5206025341720707307929 6.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: 0.000+/-0.000 χ²/NDF:5943470580267303200358 4.0/1
Left: -0.000+/-0.000 χ²/NDF: 16029197636836118
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: -0.000+/-0.000 χ²/NDF:203622168289672510
Out: 0.000+/-0.000 χ²/NDF:405744218761953686
All: -0.000+/-0.000 χ²/NDF: 7095364007238

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:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

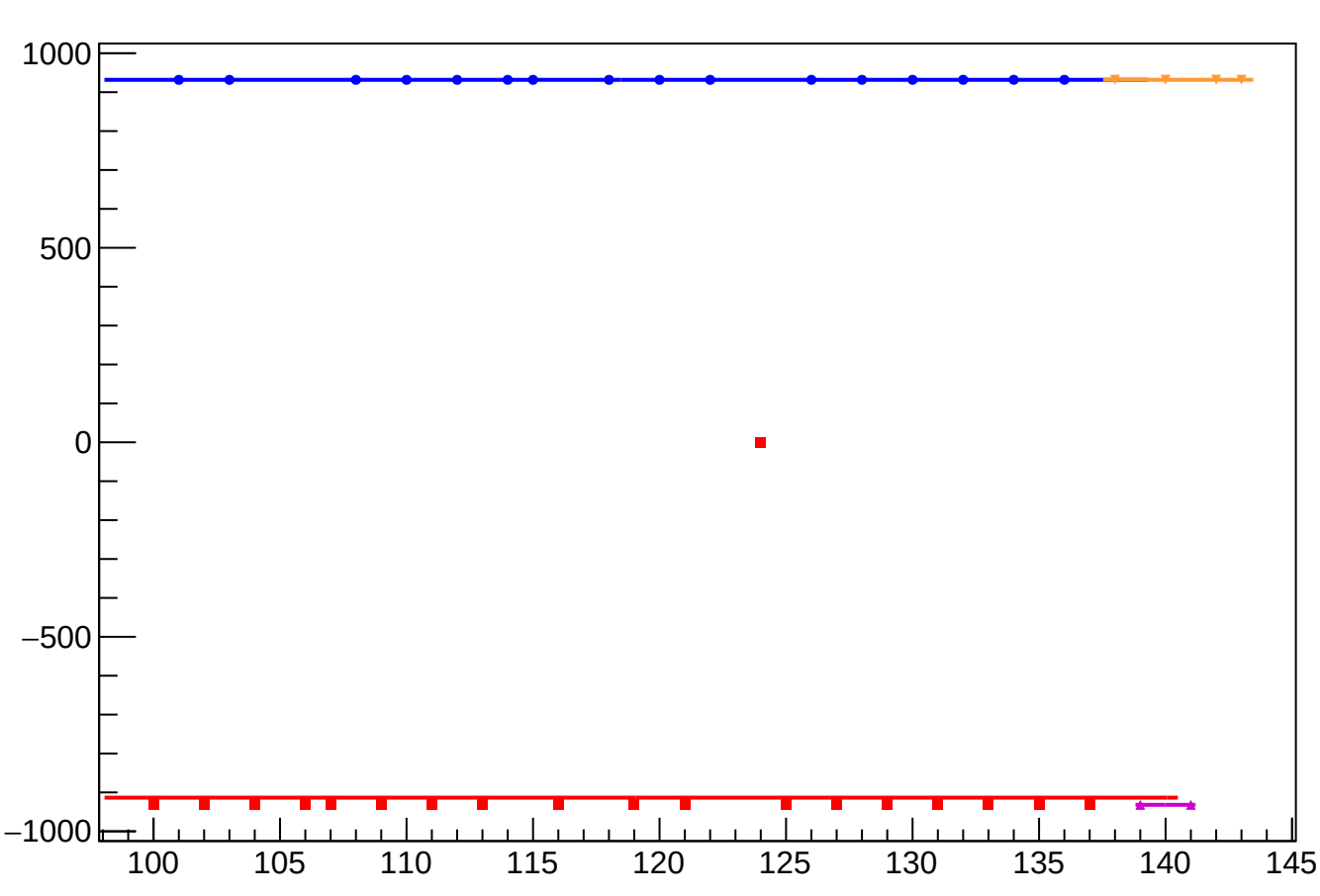
Left: 0.002+/-0.000 χ^2/NDF: 389900613132910211

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 17342091127401



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.873+/-0.000 χ^2/NDF:131823683028416141328761487 36.0/3

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.872+/-0.000 χ^2/NDF:18601691247532760569437224 96.0/1

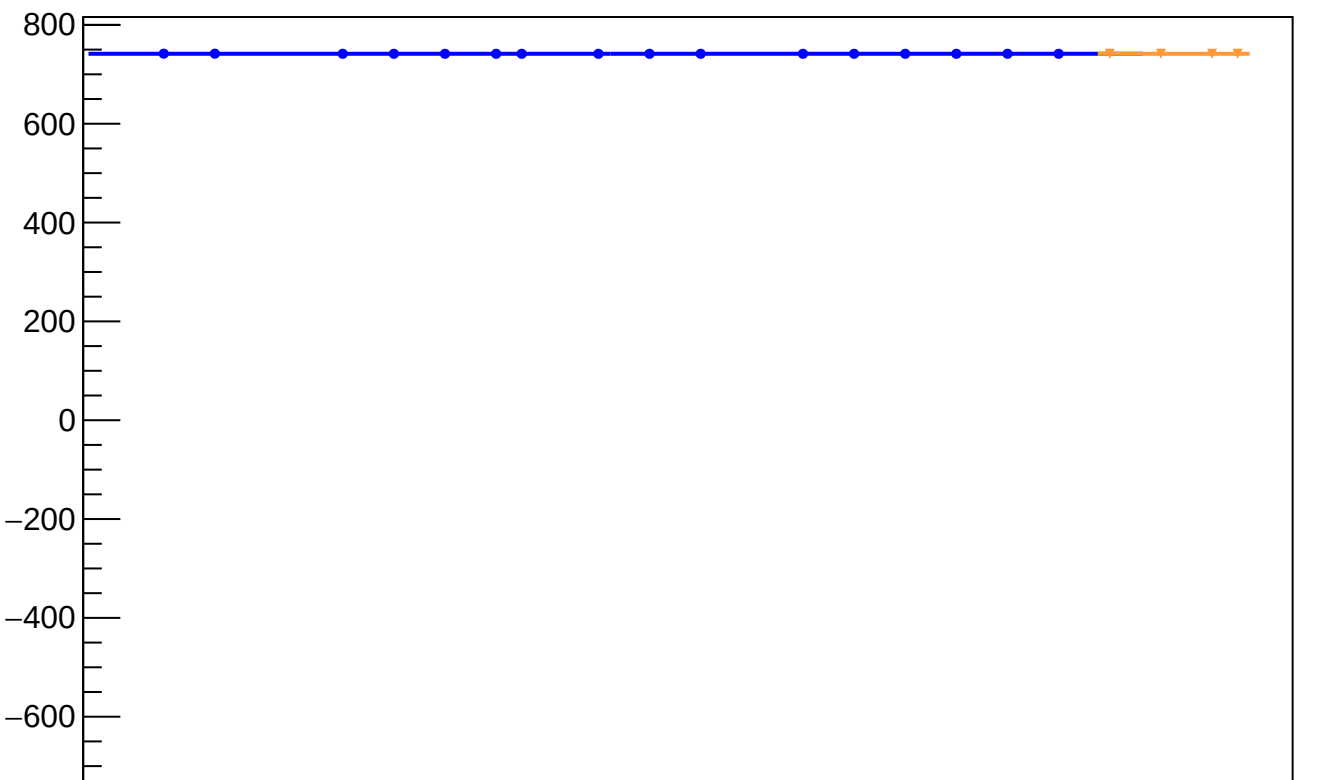
Left: 235.918+/-0.000 χ^2/NDF: 385233512072313

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 572.440+/-0.000 χ^2/NDF:49621875738626669

Out: -396.409+/-0.000 χ^2/NDF:740744043126478

All: 53.239+/-0.000 χ^2/NDF: 1698742028147



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:123466399495366354417420861 44.0/3

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.527+/-0.000 χ^2/NDF:201194220247773143282116198 4.0/1

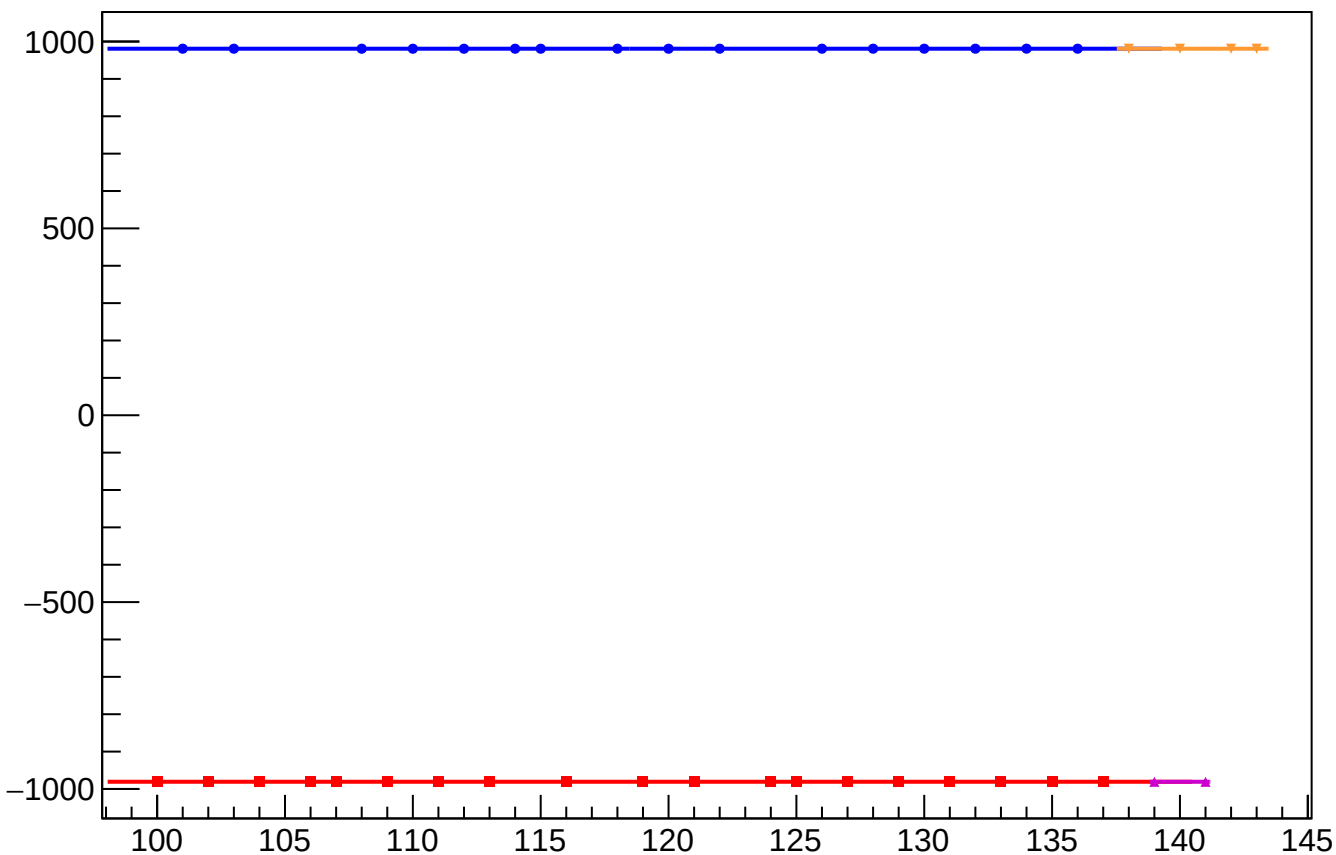
Left: 187.729+/-0.000 χ^2/NDF: 243930066685241 9

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

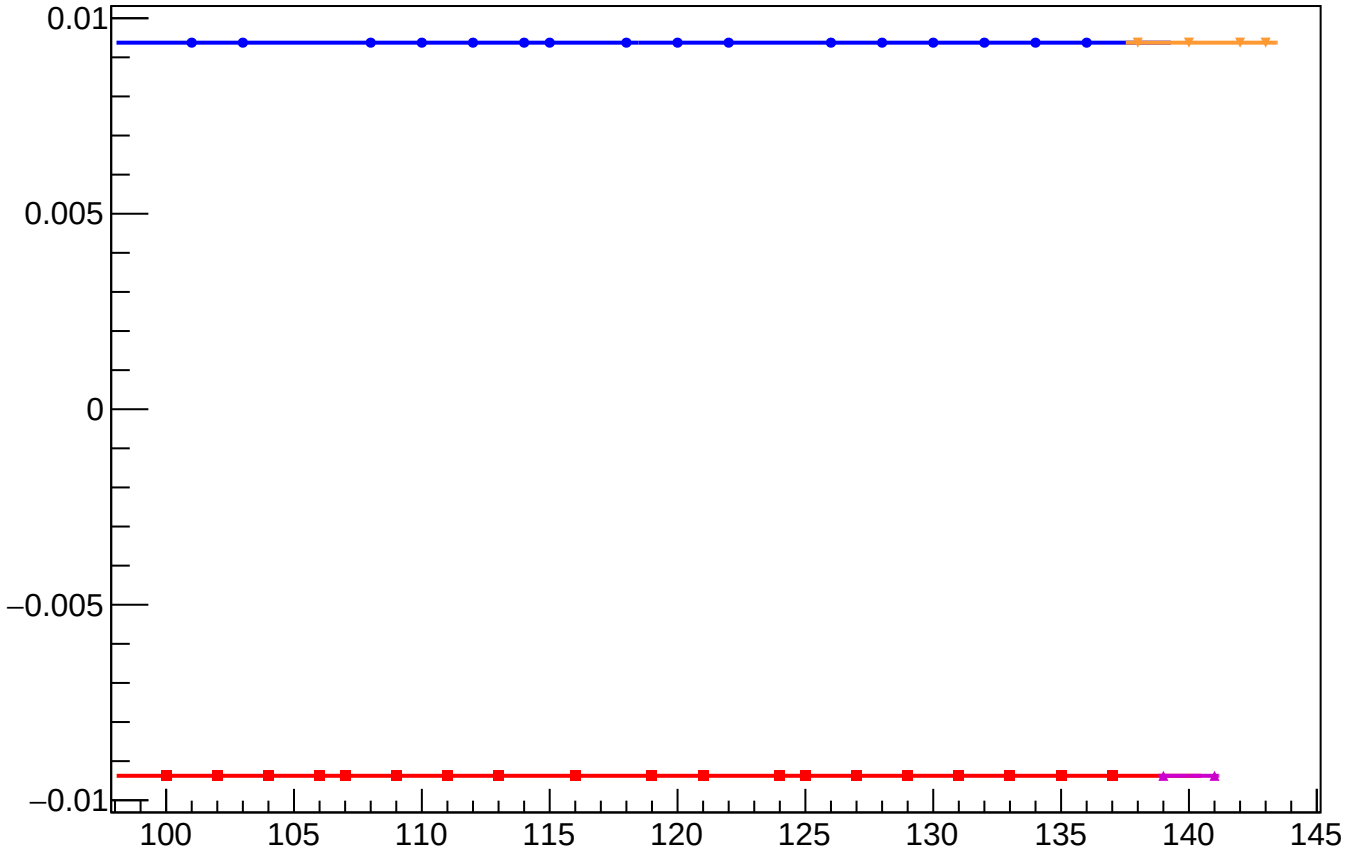
In: 455.612+/-0.000 χ^2/NDF:3142586042941990

Out: -326.028+/-0.000 χ^2/NDF:470238624445854

All: 36.735+/-0.000 χ^2/NDF: 1085060674622


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
105
110
115
120
125
130
135
140
145
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Left Out: 980.762+/-0.000 χ²/NDF:20521900974520299311889121280/3
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Left In: -980.762+/-0.000 χ²/NDF:42062819278796583349308620 8.0/1
Left: 248.294+/-0.000 χ²/NDF: 4267160928389986
Right: -14.307+/-0.000 χ²/NDF: 1446386008808569
In: 602.593+/-0.000 χ²/NDF:5497367624948733
Out: -431.138+/-0.000 χ²/NDF:822519301061357
All: 48.622+/-0.000 χ²/NDF: 189795589467

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:0.0/3

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: 0.002+/-0.000 χ^2/NDF: 389900613132910211

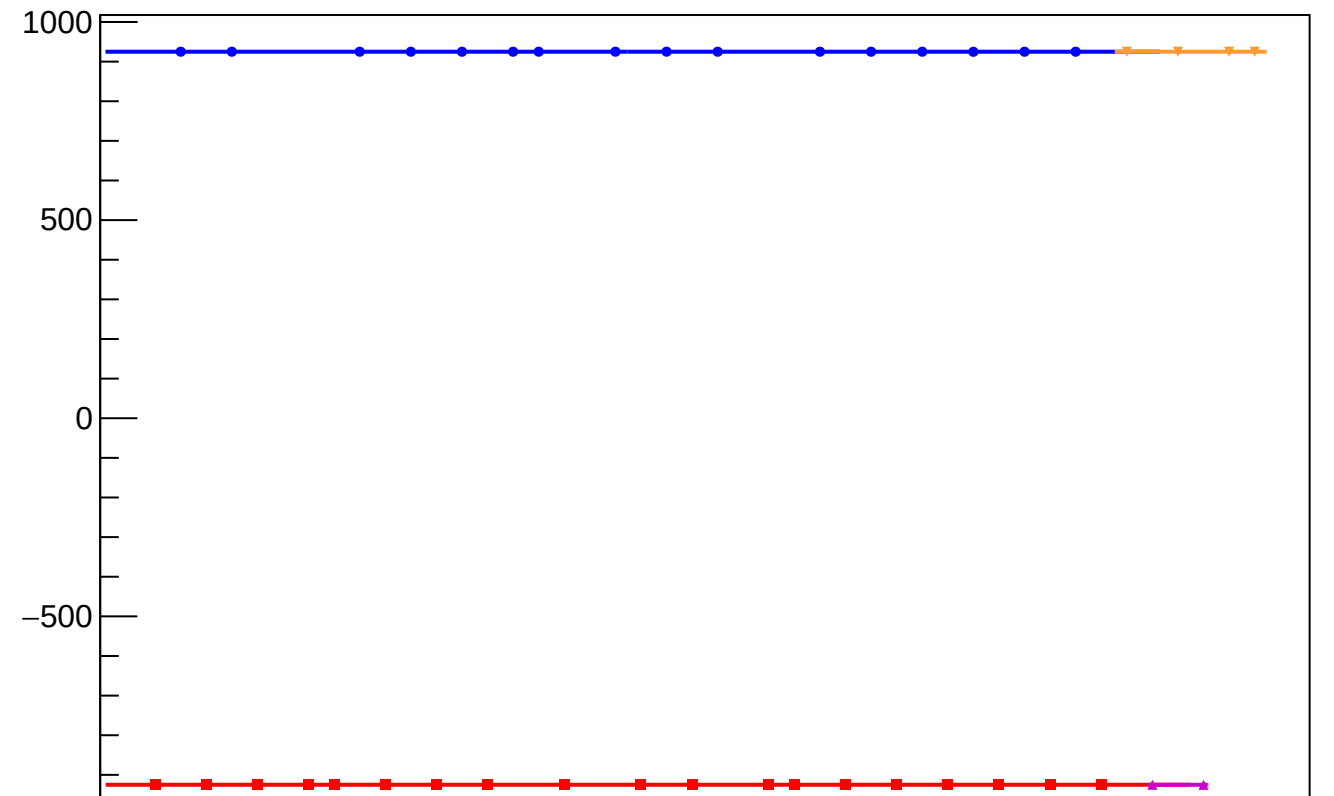
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057796

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 17342091127401

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.988+/-0.000 χ^2/NDF:1179852977164938619429175951 36.0/3

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

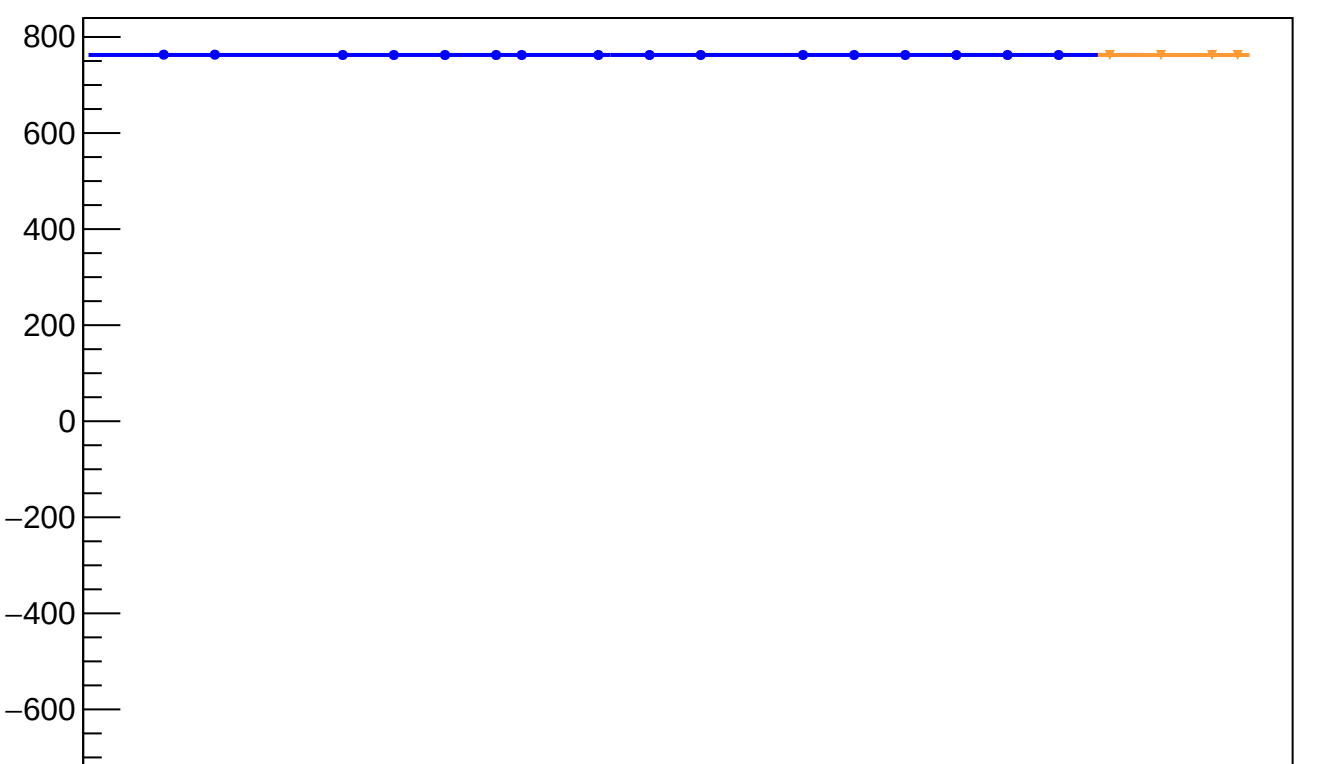
Left: 234.170+/-0.000 χ^2/NDF: 3795675444387084

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 568.273+/-0.000 χ^2/NDF:4889631291936982

Out: -406.636+/-0.000 χ^2/NDF:731645841438339

All: 45.825+/-0.000 χ^2/NDF: 168818306567



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.490+/-0.000 χ^2/NDF:1327693102705916820546230681 6.0/3

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.490+/-0.000 χ^2/NDF:59692340727062448563740999 68.0/1

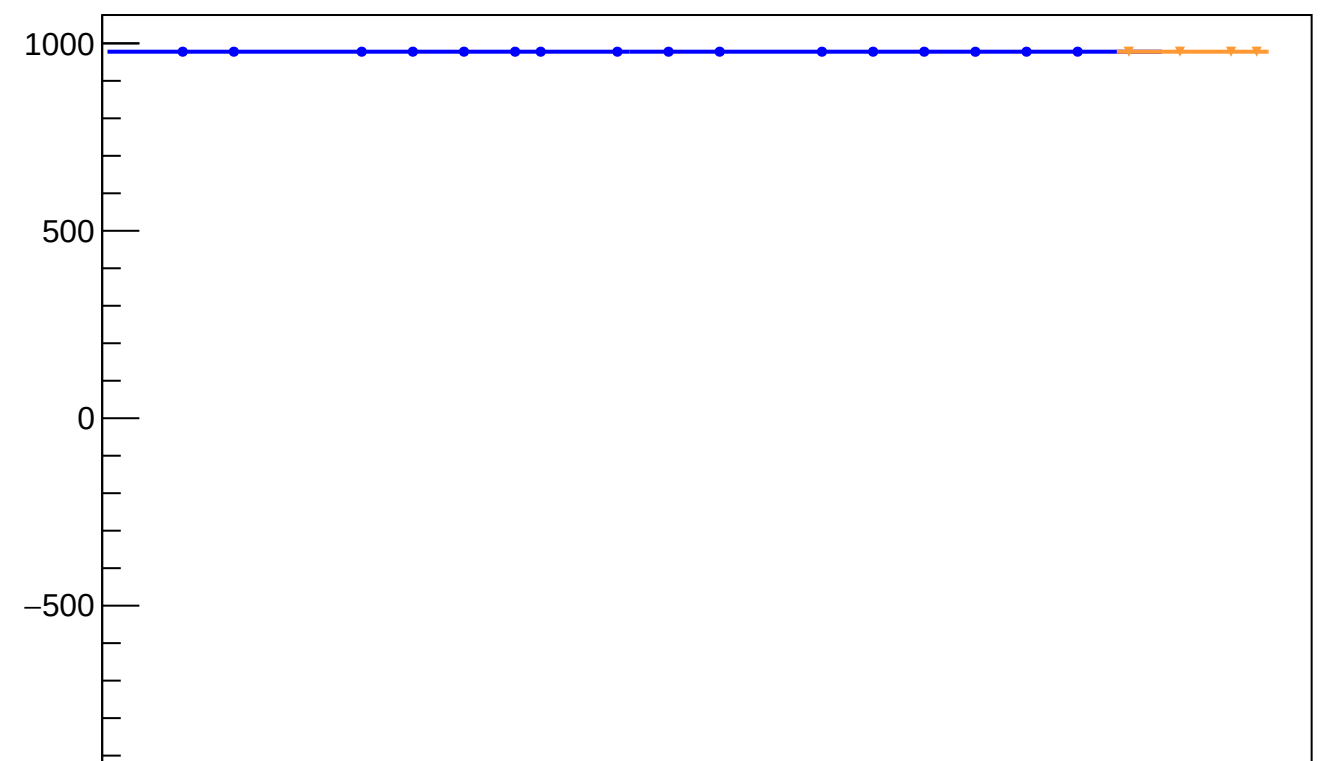
Left: 193.035+/-0.000 χ^2/NDF: 2579169452491038

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 468.555+/-0.000 χ^2/NDF:33231210009684611

Out: -335.300+/-0.000 χ^2/NDF:497251769475139

All: 37.773+/-0.000 χ^2/NDF: 1147454711708



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.769+/-0.000 χ^2/NDF:32203140604949140519386506854 4.0/3

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.787+/-0.000 χ^2/NDF:45251028547333468676324274995 2.0/1

Left: 247.530+/-0.000 χ^2/NDF: 4241229398384995

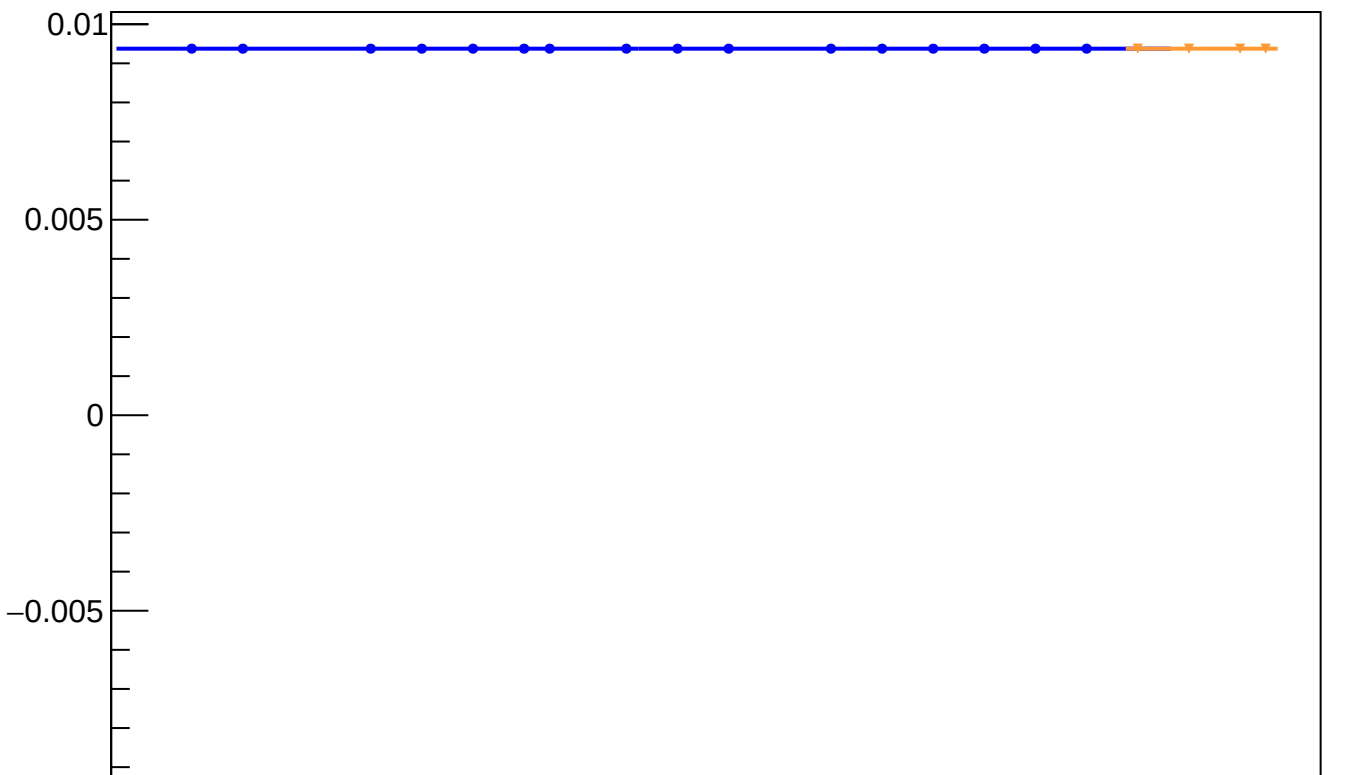
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 600.701+/-0.000 χ^2/NDF:54636199489043317

Out: -429.834+/-0.000 χ^2/NDF:81751910198974

All: 48.443+/-0.000 χ^2/NDF: 188633494264

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:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

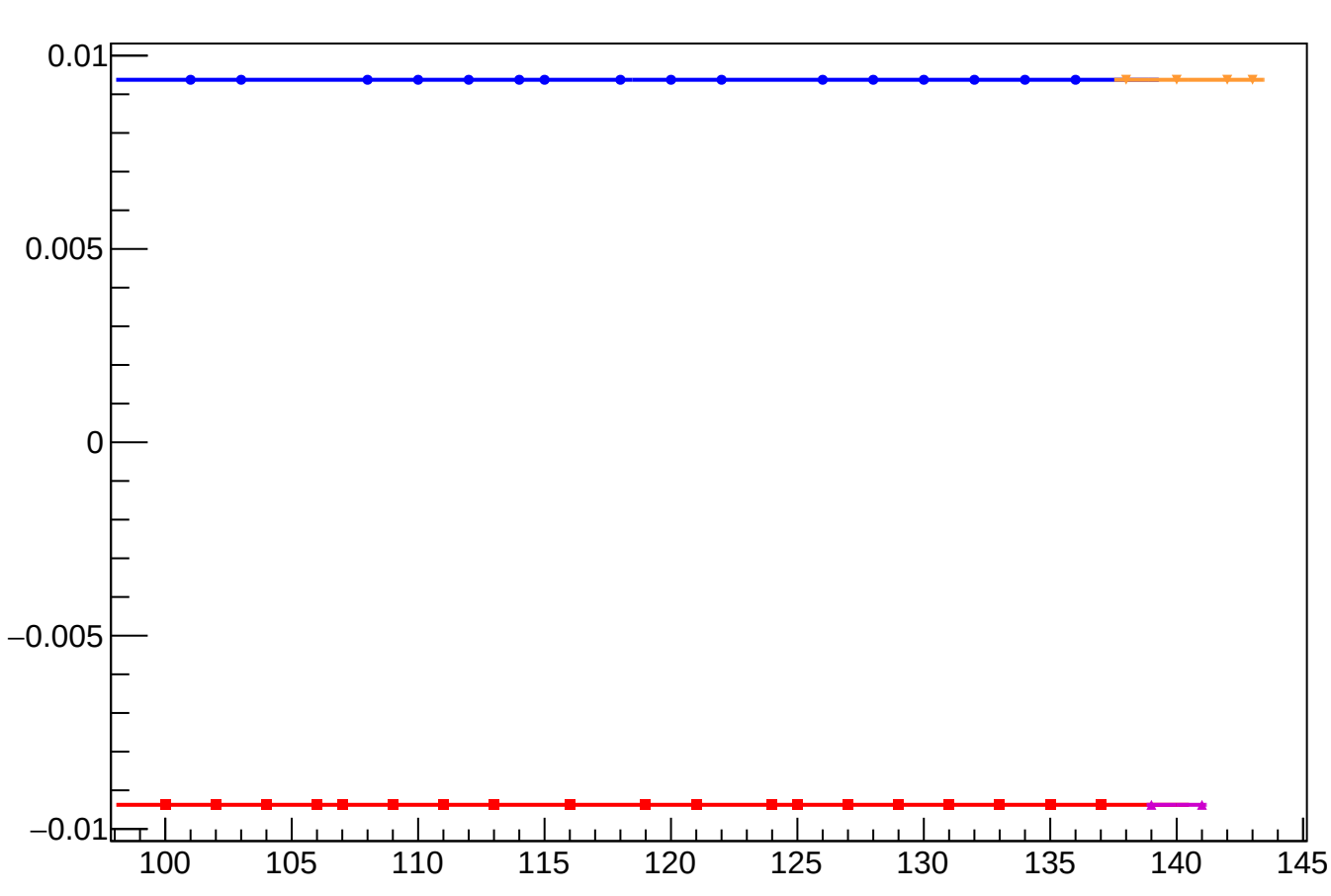
Left: 0.002+/-0.000 χ^2/NDF: 389900613132910211

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 17342091127401



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/3

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: 0.002+/-0.000 χ^2/NDF: 389900613132910211

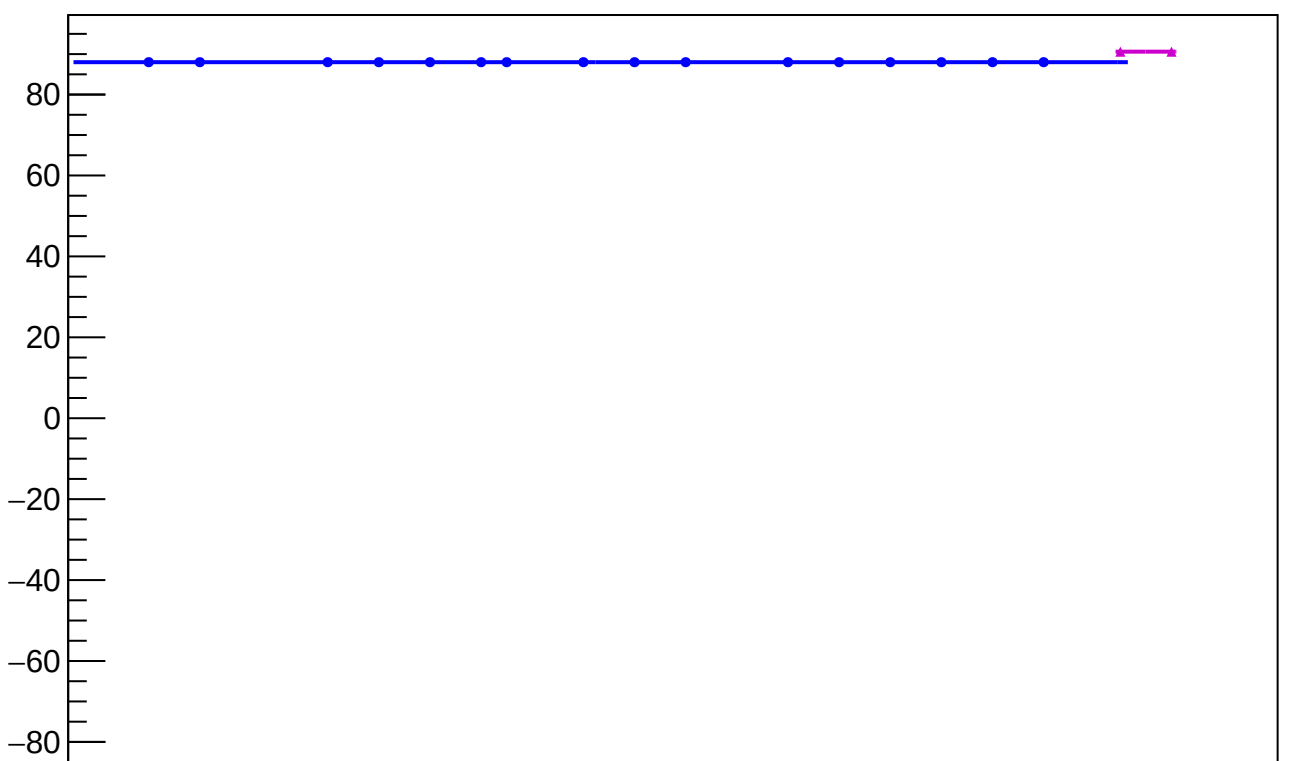
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:5022863051470577960

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 17342091127401

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:2520315.9/3

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:185994.5/1

Left: -22.937+/-0.000 χ^2/NDF: 3641338221492252

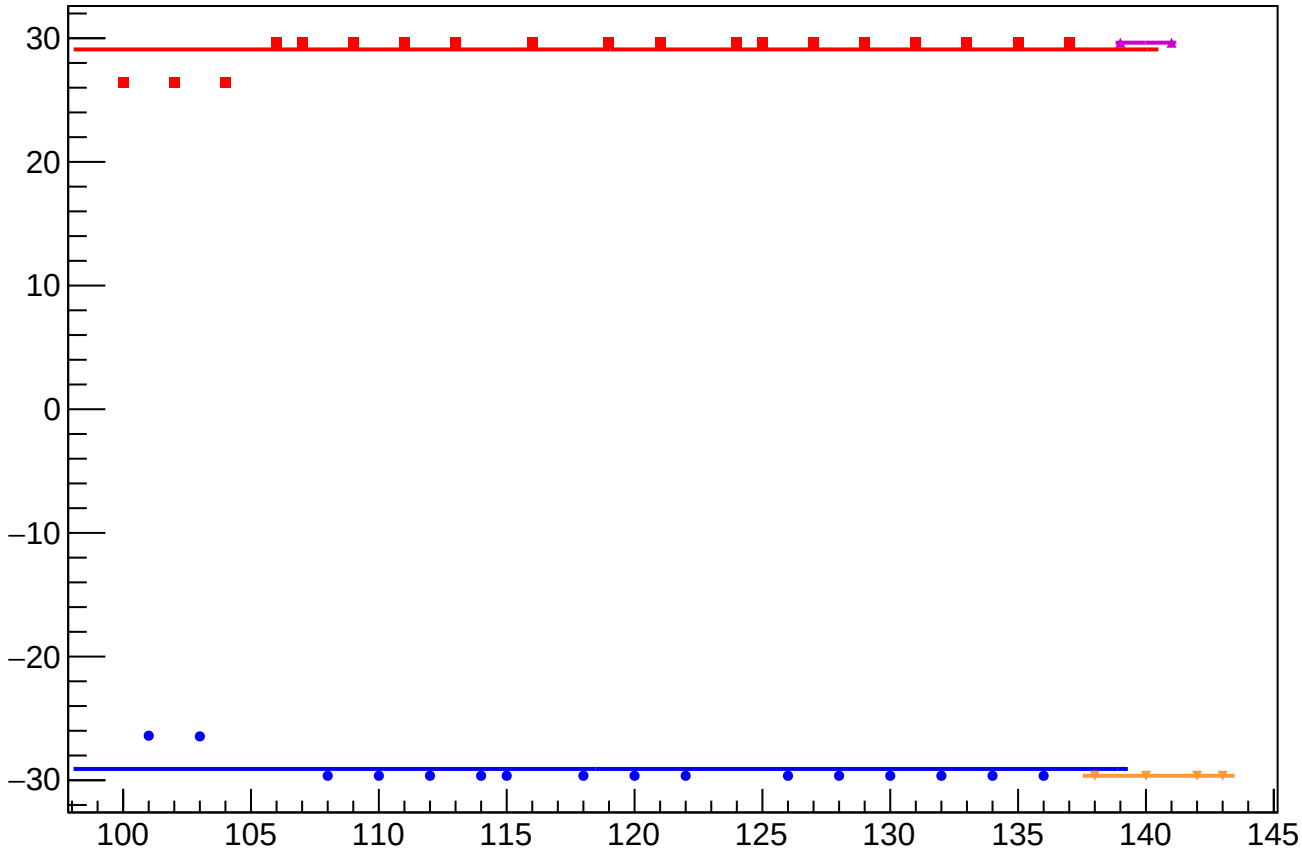
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.502+/-0.000 χ^2/NDF:964773958393733590

Out: -88.731+/-0.000 χ^2/NDF:1440687565349641

All: -6.476+/-0.000 χ^2/NDF: 1545526697861

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:147939.8/3

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: -7.504+/-0.000 χ^2/NDF: 389752014430551 93

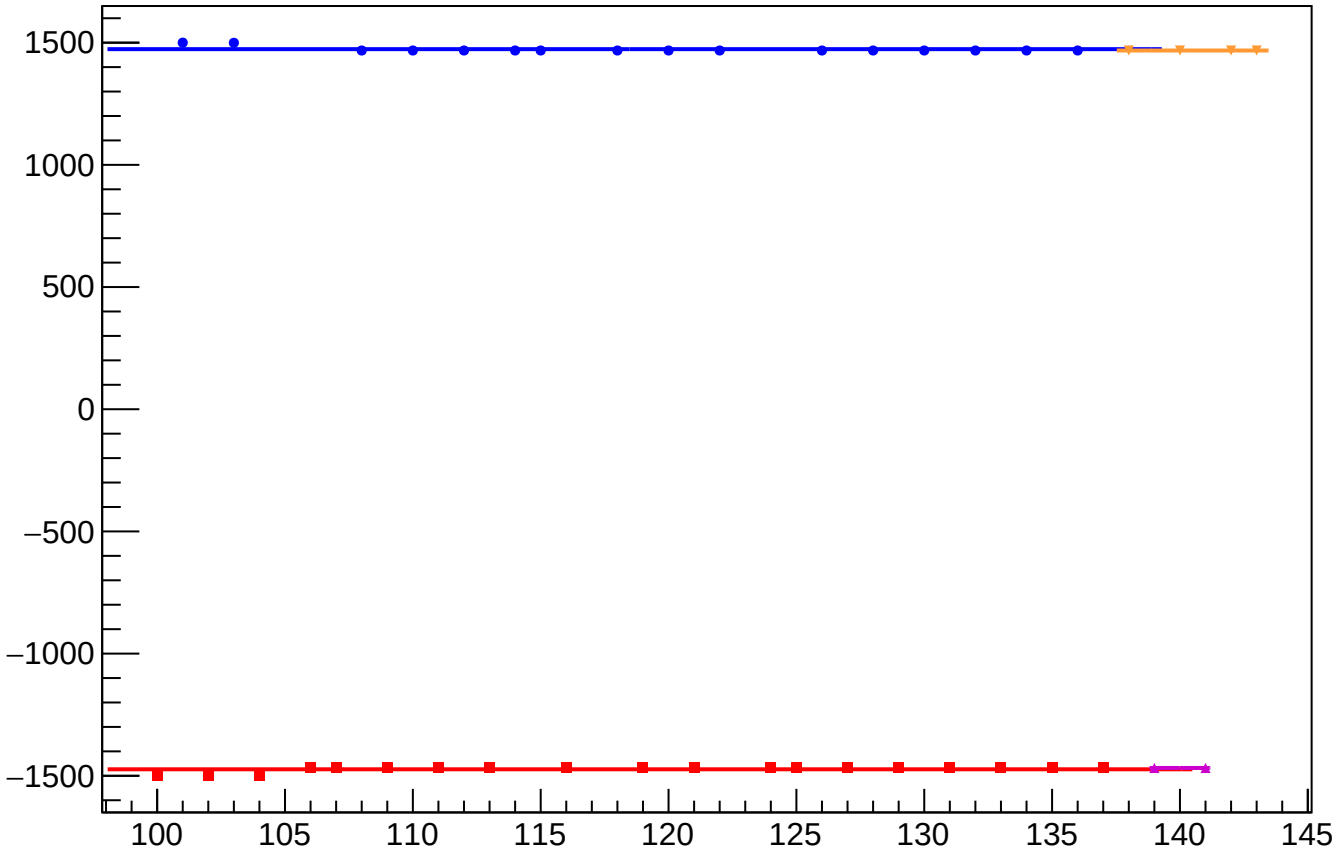
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: -17.762+/-0.000 χ^2/NDF:493826803870297 44

Out: 12.636+/-0.000 χ^2/NDF:738602573374993 21

All: -1.472+/-0.000 χ^2/NDF: 16870358033 50

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:238848401.9/3

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: 371.640+/-0.000 χ^2/NDF: 9559853274660151

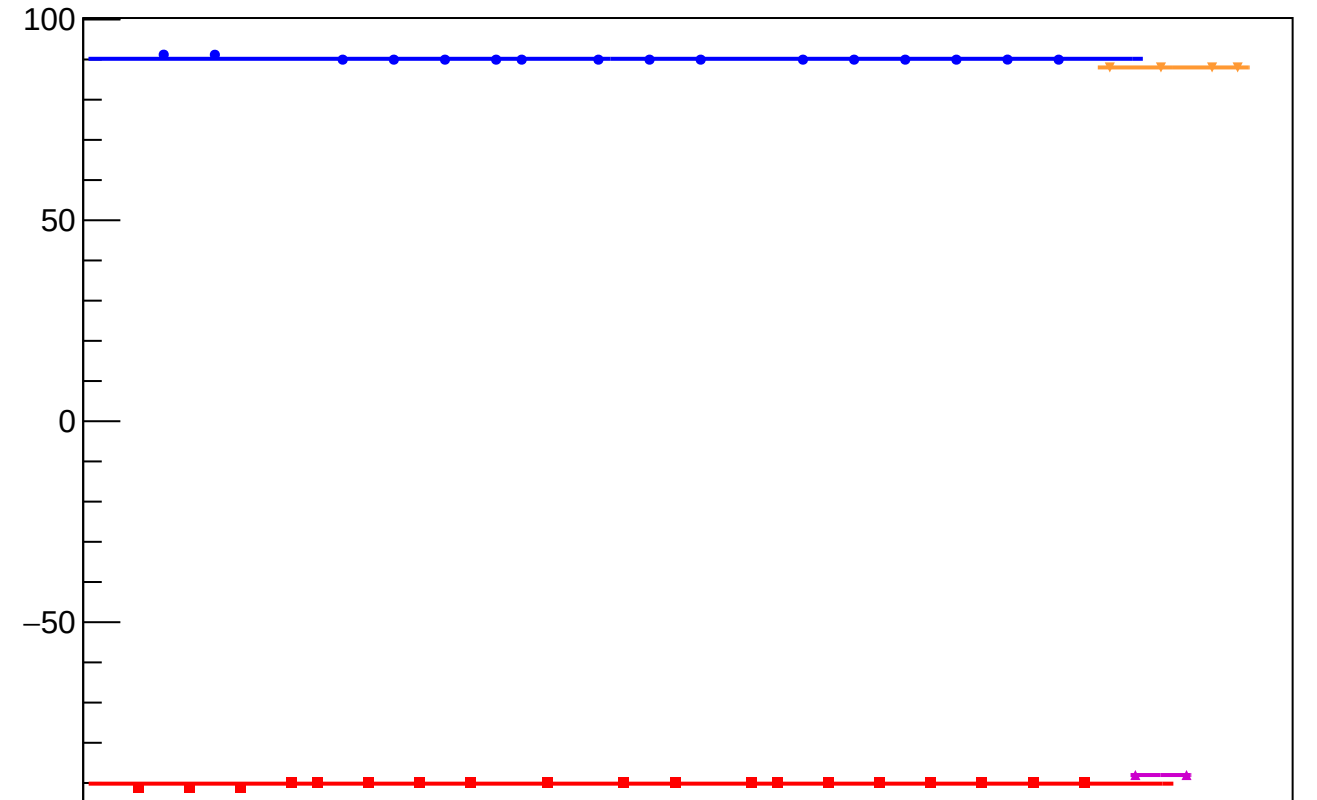
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 906.326+/-0.000 χ^2/NDF:12362557531196480

Out: -649.254+/-0.000 χ^2/NDF:184969858828502

All: 72.699+/-0.000 χ^2/NDF: 427639227379

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:2231327.8/3

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: 22.284+/-0.000 χ^2/NDF: 34370118719480302

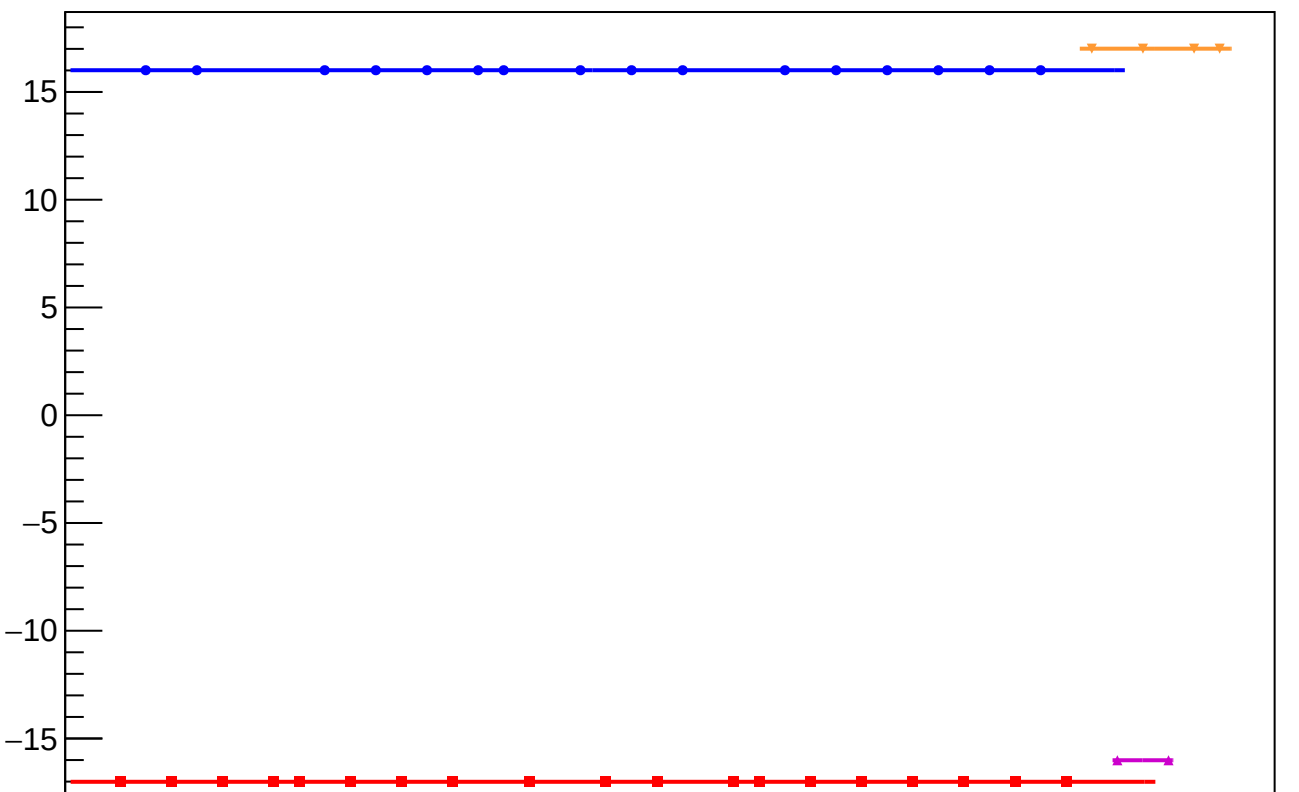
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 55.815+/-0.000 χ^2/NDF:4536779096502759

Out: -40.242+/-0.000 χ^2/NDF:6788136980133955

All: 4.339+/-0.000 χ^2/NDF: 1586416561218

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:92173246199212508027289 6.0/3

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: 4.304+/-0.000 χ^2/NDF: 108655262380081957

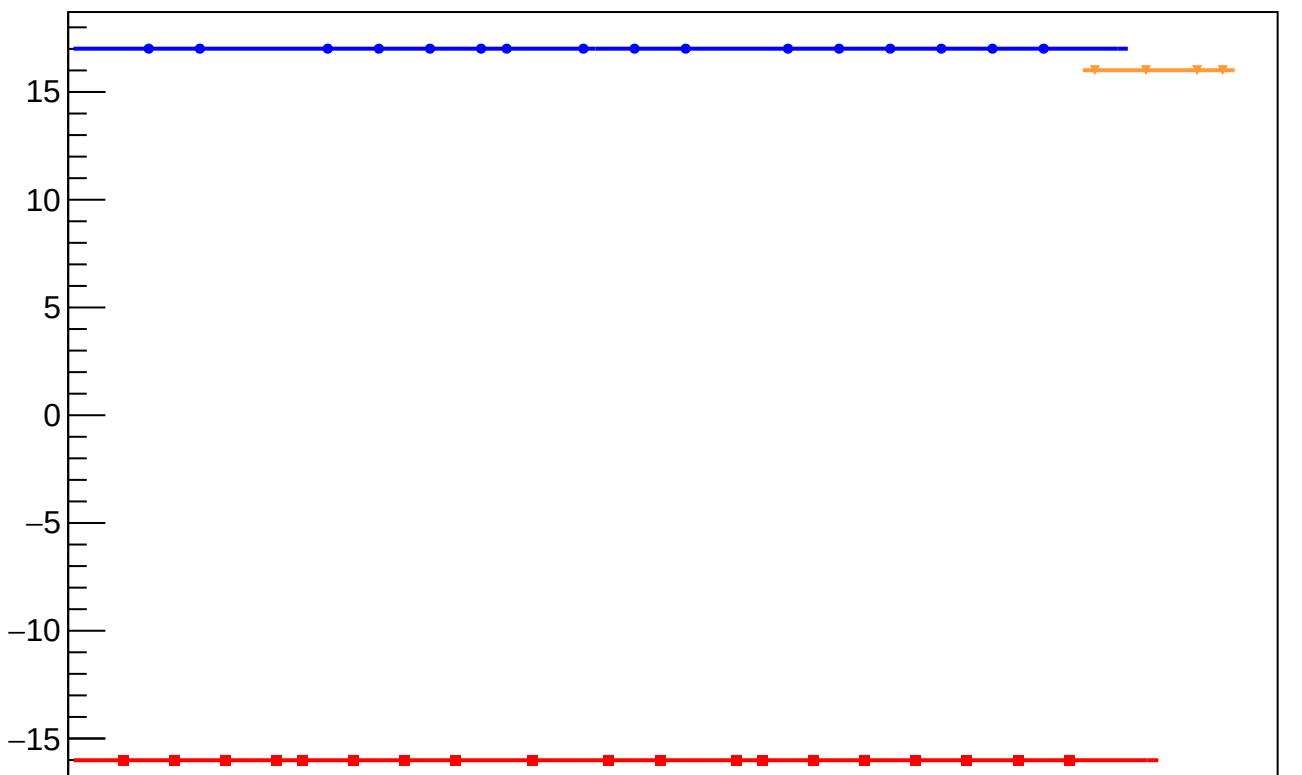
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 10.006+/-0.000 χ^2/NDF:134941996274414309

Out: -7.754+/-0.000 χ^2/NDF:21818624606494447

All: 0.695+/-0.000 χ^2/NDF: 4959931885747

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:26164.9/3

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1173.8/1

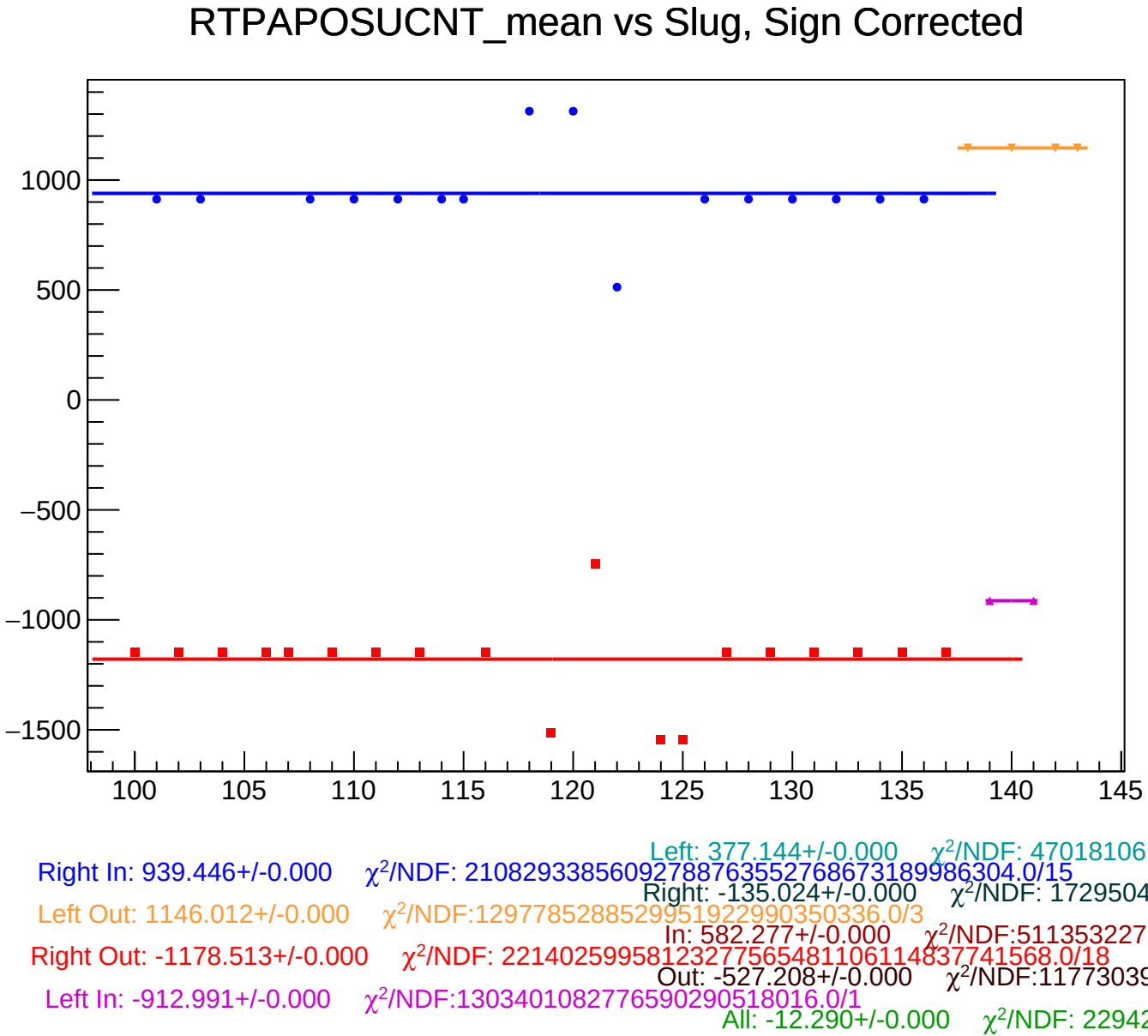
Left: 3.680+/-0.000 χ^2/NDF: 12091289792993468

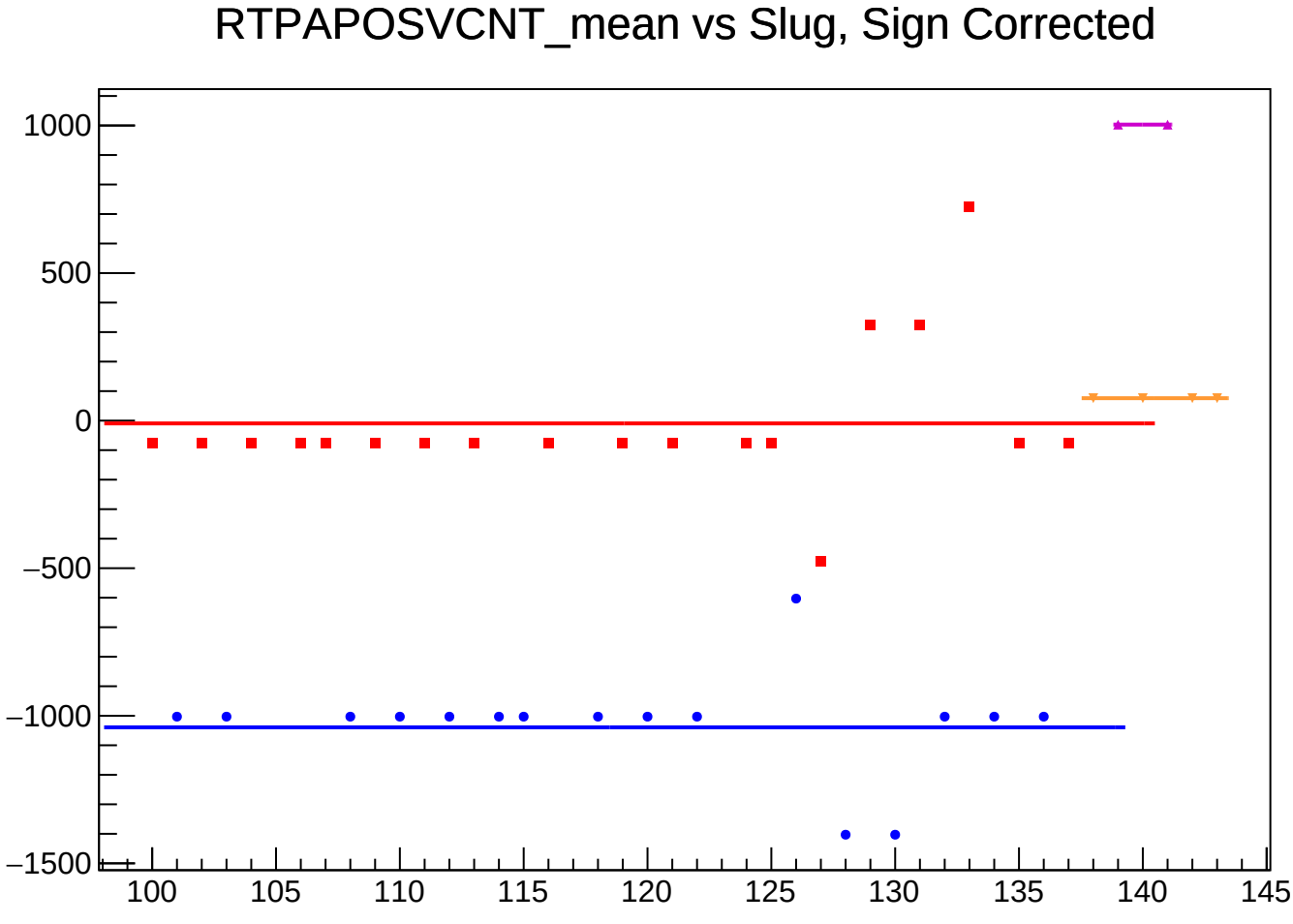
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

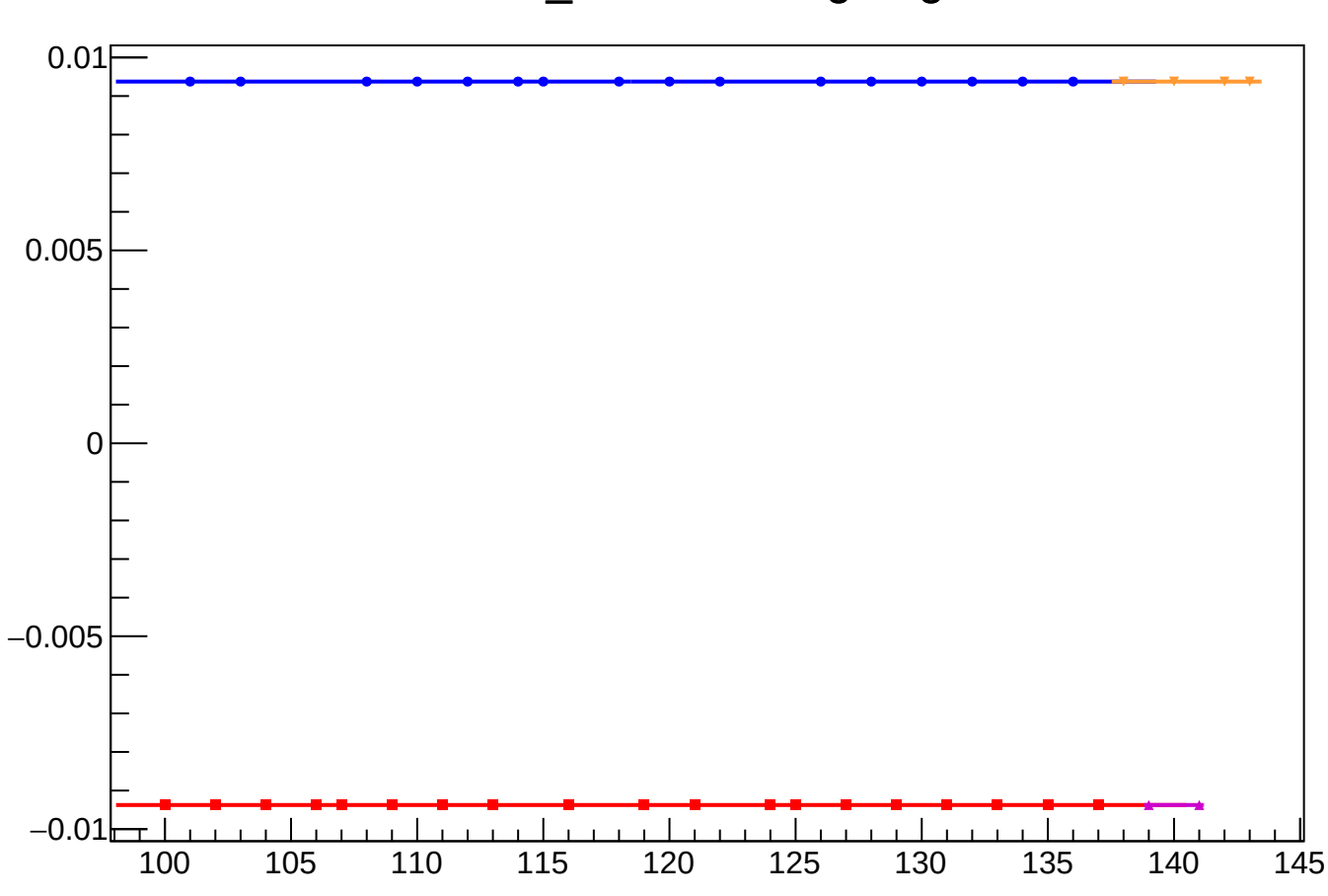
In: 10.198+/-0.000 χ^2/NDF:16382384640178693

Out: -7.004+/-0.000 χ^2/NDF:21884823754760783

All: 0.834+/-0.000 χ^2/NDF: 52506023656121


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
140
145
Left: 377.144+/-0.000 χ²/NDF: 4701810617643331
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
Left Out: 1146.012+/-0.000 χ²/NDF:12977852885299519229903503336.0/3
In: 582.277+/-0.000 χ²/NDF:5113532272109633
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Out: -527.208+/-0.000 χ²/NDF:117730395740946
Left In: -912.991+/-0.000 χ²/NDF:13034010827765902905180 16.0/1
All: -12.290+/-0.000 χ²/NDF: 229422762634


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
105
110
115
120
125
130
135
140
145
Left: 422.162+/-0.000 χ²/NDF: 9529957662865443
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911104.0/15
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
Left Out: 76.012+/-0.000 χ²/NDF:19651220502375647446701178888.0/3
In: -645.409+/-0.000 χ²/NDF:6187009880569457
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409992.0/18
Out: 14.510+/-0.000 χ²/NDF:47618069121416554
Left In: 1002.990+/-0.000 χ²/NDF:87017011574707556569841664.0/1
All: -291.762+/-0.000 χ²/NDF: 88056066324



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/3

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/1

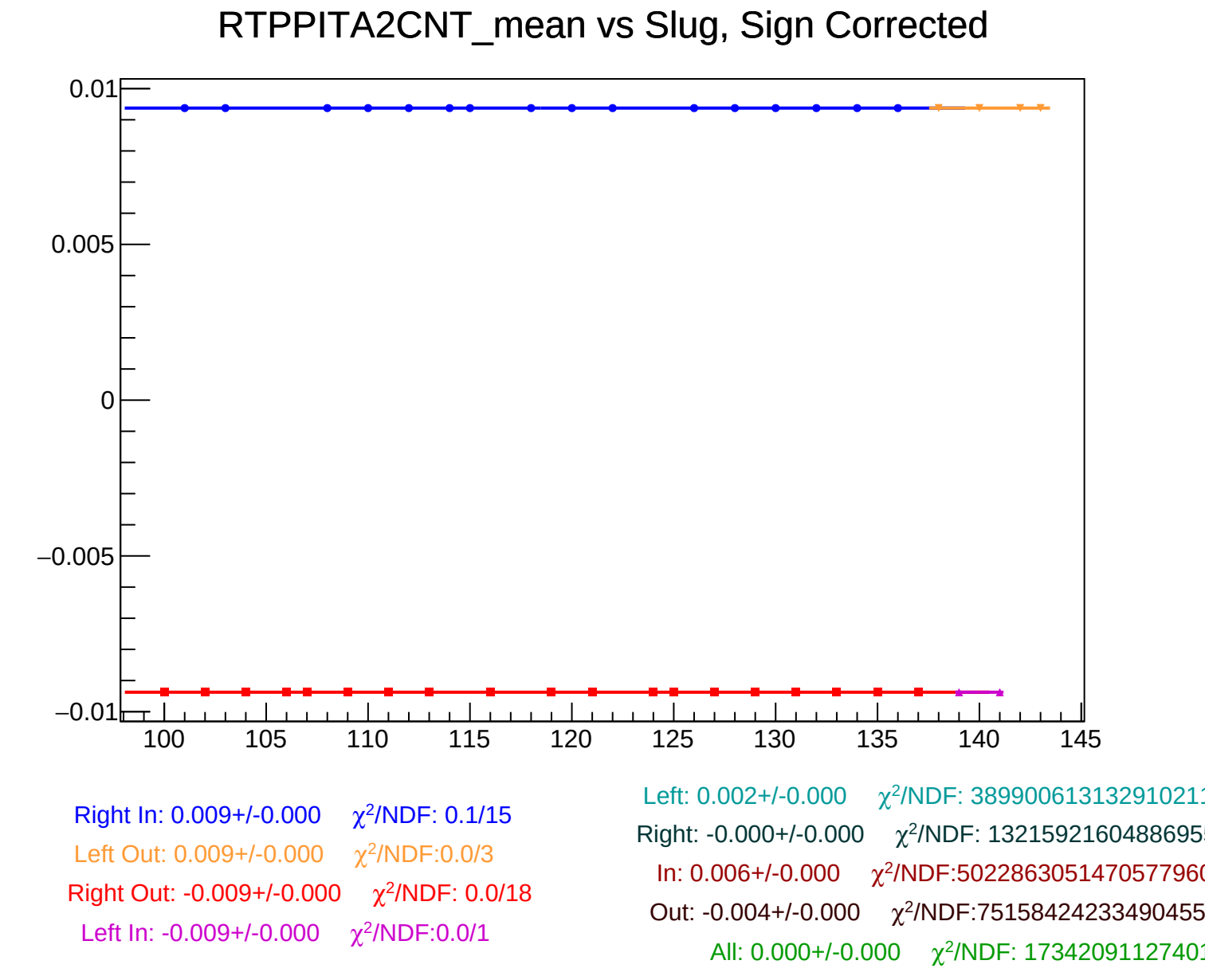
Left: 0.002+/-0.000 χ^2/NDF: 389900613132910211

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.006+/-0.000 χ^2/NDF:502286305147057960

Out: -0.004+/-0.000 χ^2/NDF:75158424233490455

All: 0.000+/-0.000 χ^2/NDF: 17342091127401


RTPPITA2CNT_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
105
110
115
120
125
130
135
140
145
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/3
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/1
Left: 0.002+/-0.000 χ²/NDF: 389900613132910211
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.006+/-0.000 χ²/NDF:502286305147057960
Out: -0.004+/-0.000 χ²/NDF:75158424233490455
All: 0.000+/-0.000 χ²/NDF: 17342091127401