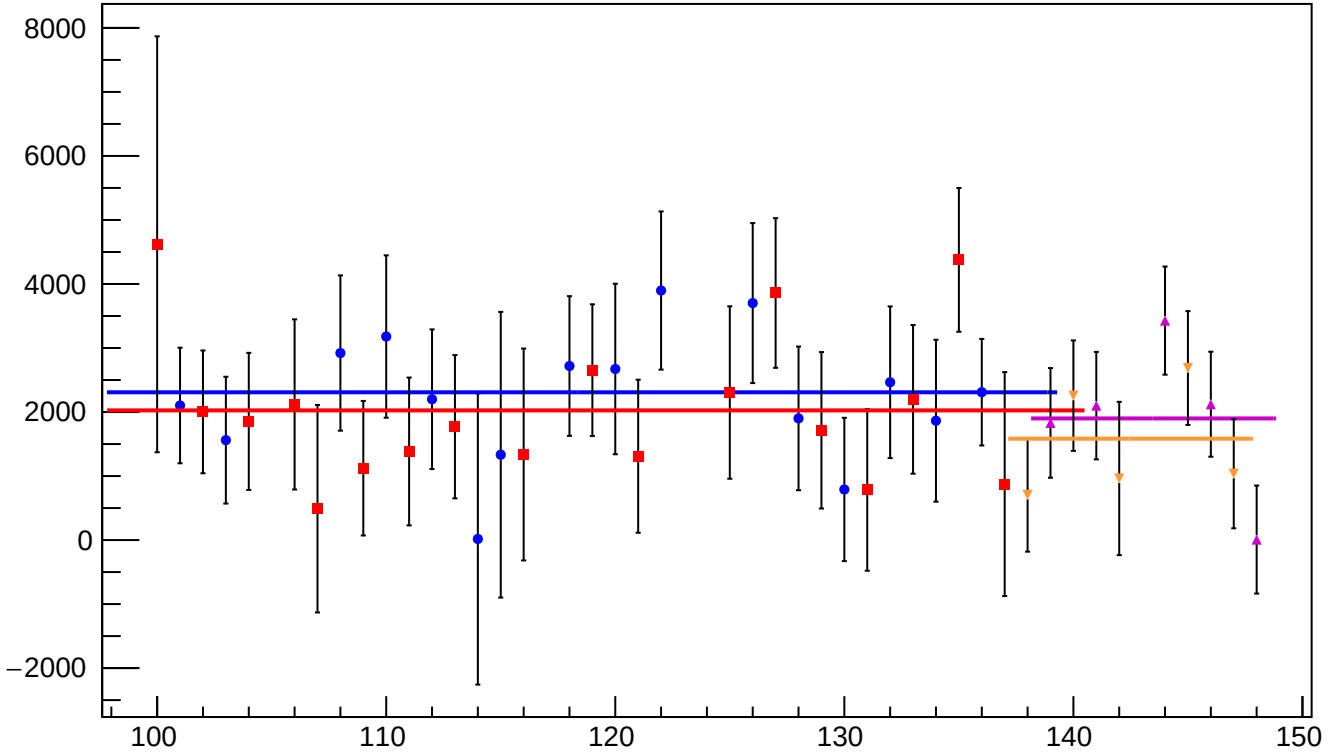
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

Left In: 1899.953+/-375.934 χ^2/NDF:8.4/4

Left: 1755.296+/-277.055 χ^2/NDF: 12.6/9

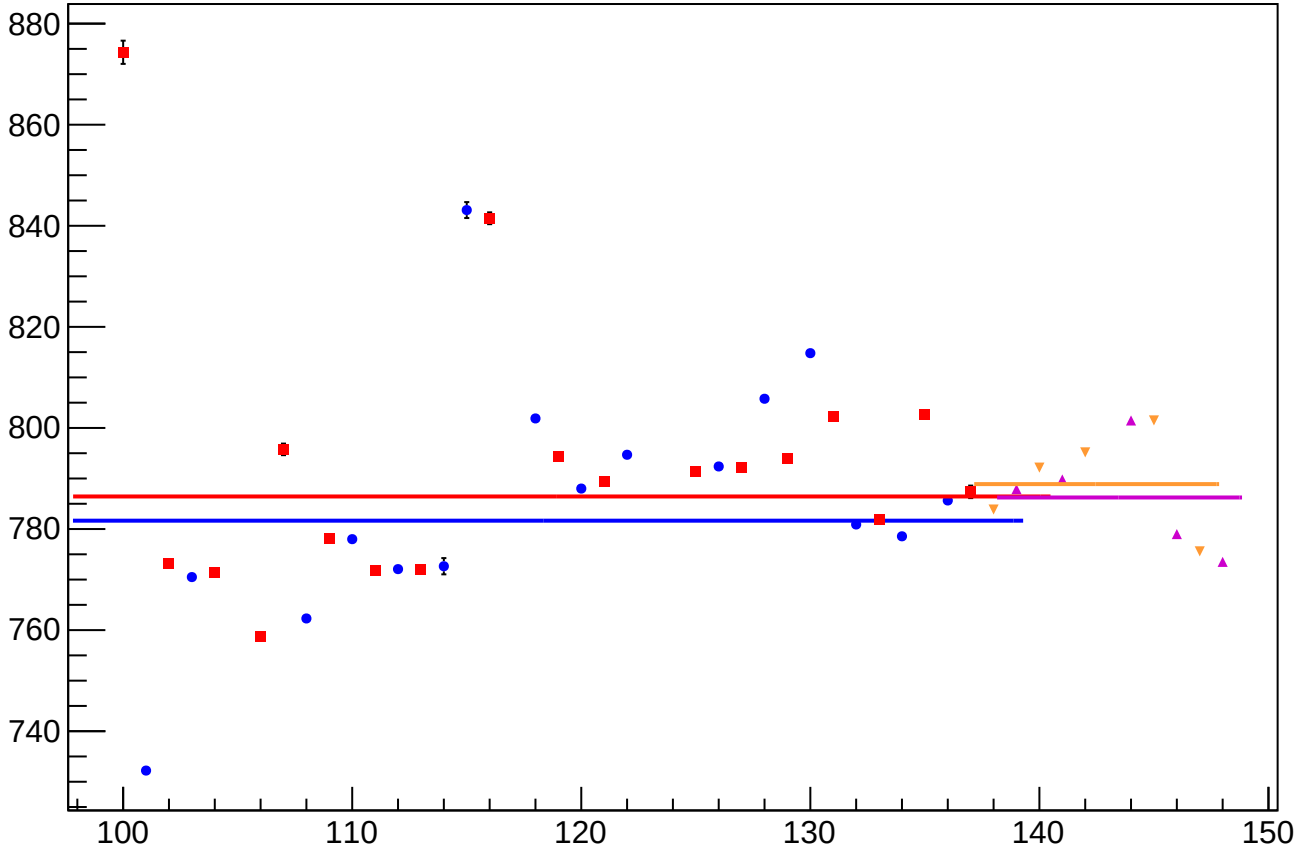
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2155.583+/-229.833 χ^2/NDF:17.0/20

Out: 1878.221+/-236.630 χ^2/NDF:16.5/22

All: 2020.943+/-164.867 χ^2/NDF: 34.2/43

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

Left In: 786.243+/-0.266 χ^2/NDF:1306.4/4

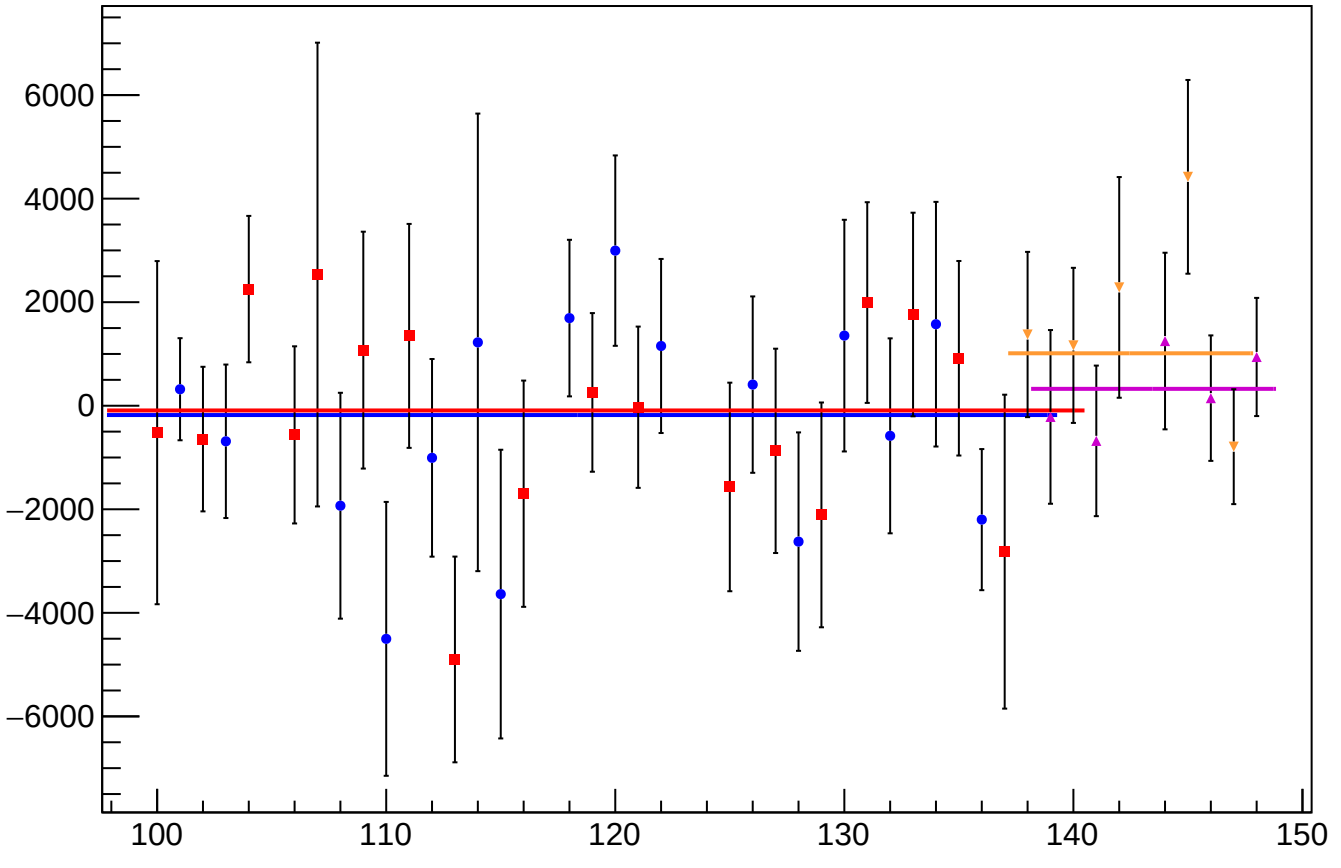
Left: 787.453+/-0.196 χ^2/NDF: 2388.3/9

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

In: 783.369+/-0.163 χ^2/NDF:13812.0/20

Out: 787.259+/-0.167 χ^2/NDF:8285.7/22

All: 785.257+/-0.117 χ^2/NDF: 22375.9/43



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

Left In: 326.067+/-617.702 χ^2/NDF:1.2/4

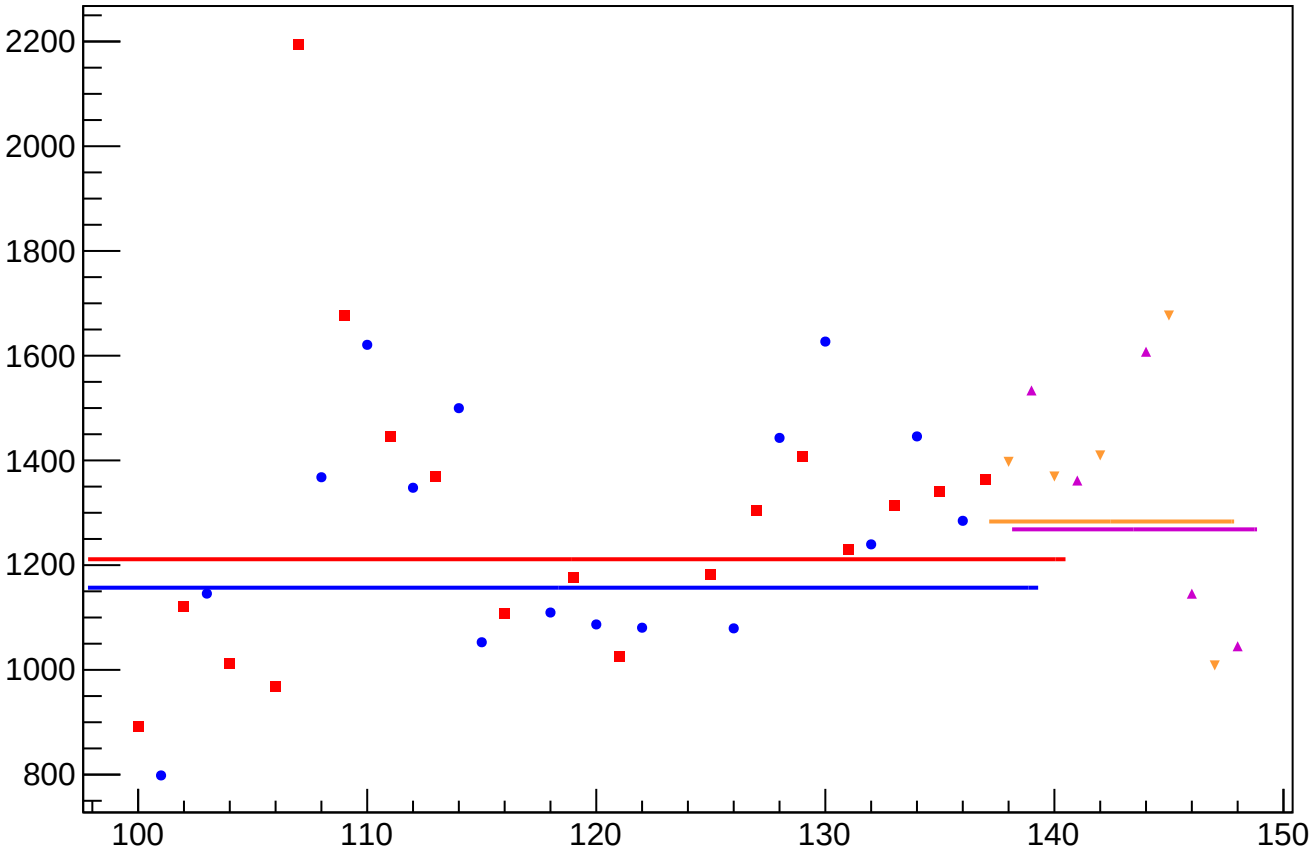
Left: 636.024+/-457.541 χ^2/NDF: 8.1/9

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

In: -9.212+/-358.792 χ^2/NDF:17.0/20

Out: 249.242+/-378.226 χ^2/NDF:23.4/22

All: 113.205+/-260.304 χ^2/NDF: 40.7/43



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

Left: 1275.119+/-0.324 χ^2/NDF: 469808.8/9

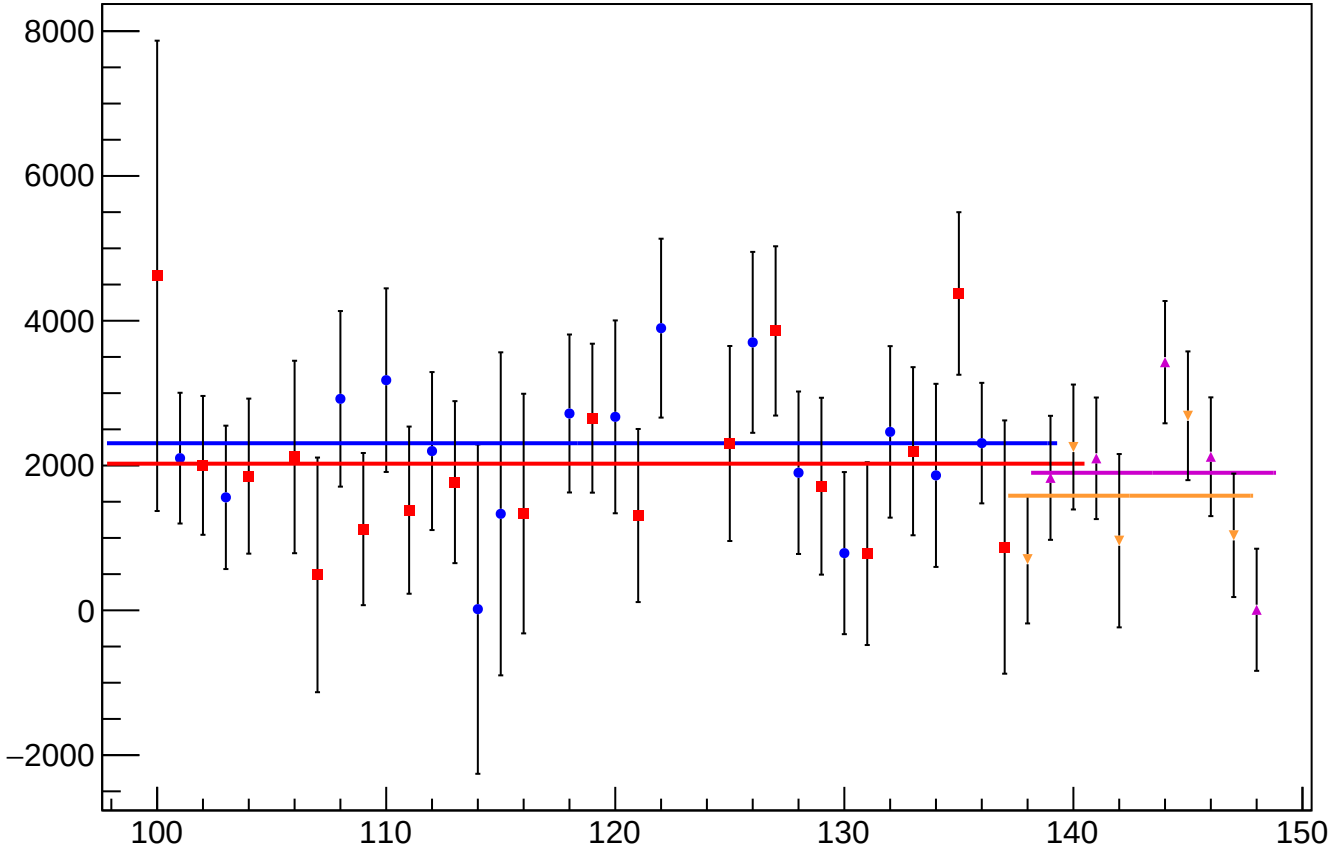
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1194.532+/-0.254 χ^2/NDF:846645.5/20

Out: 1233.498+/-0.267 χ^2/NDF:648062.0/22

All: 1212.988+/-0.184 χ^2/NDF: 1505880.3/43

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

Left In: 1899.953+/-375.934 χ^2/NDF:8.4/4

Left: 1755.296+/-277.055 χ^2/NDF: 12.6/9

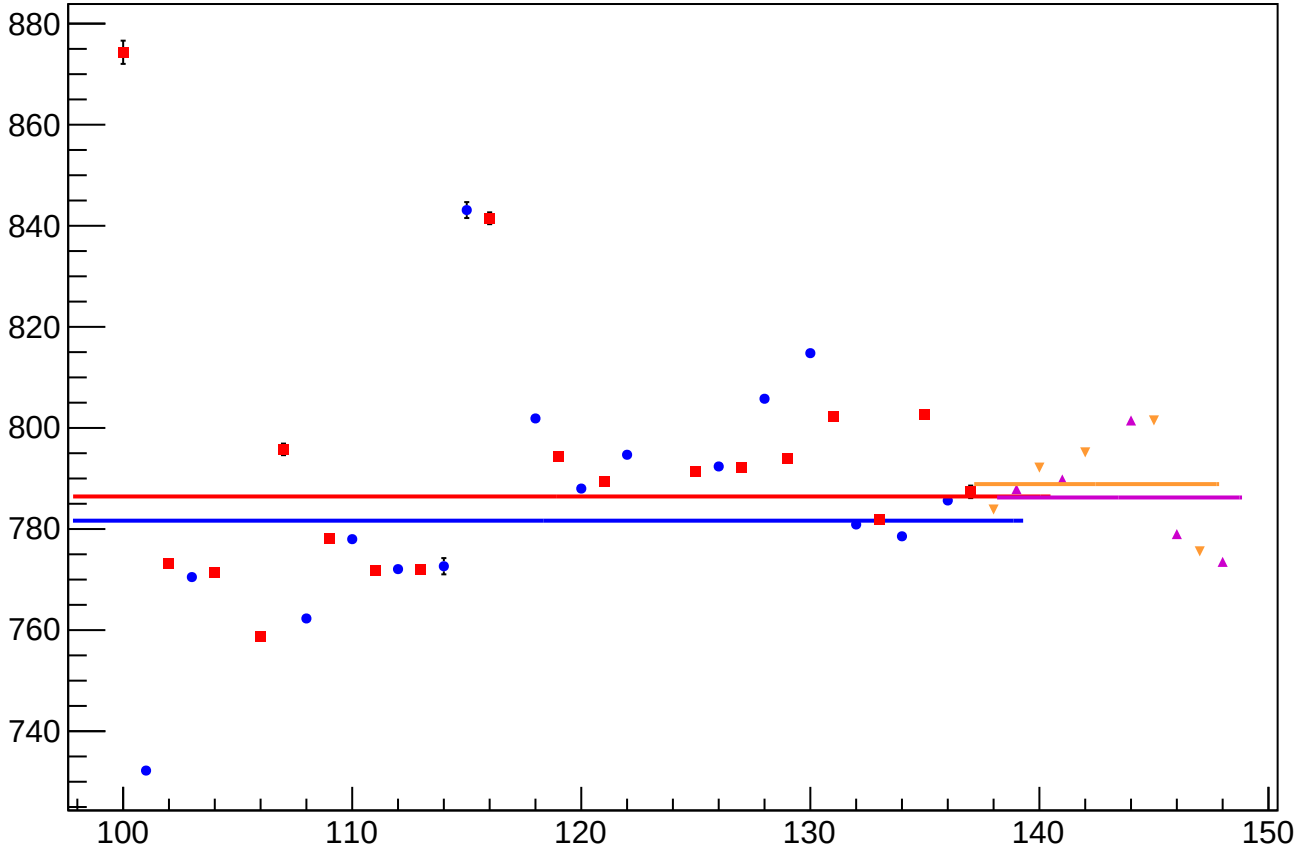
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2155.583+/-229.833 χ^2/NDF:17.0/20

Out: 1878.221+/-236.630 χ^2/NDF:16.5/22

All: 2020.943+/-164.867 χ^2/NDF: 34.2/43

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

Left In: 786.243+/-0.266 χ^2/NDF:1306.4/4

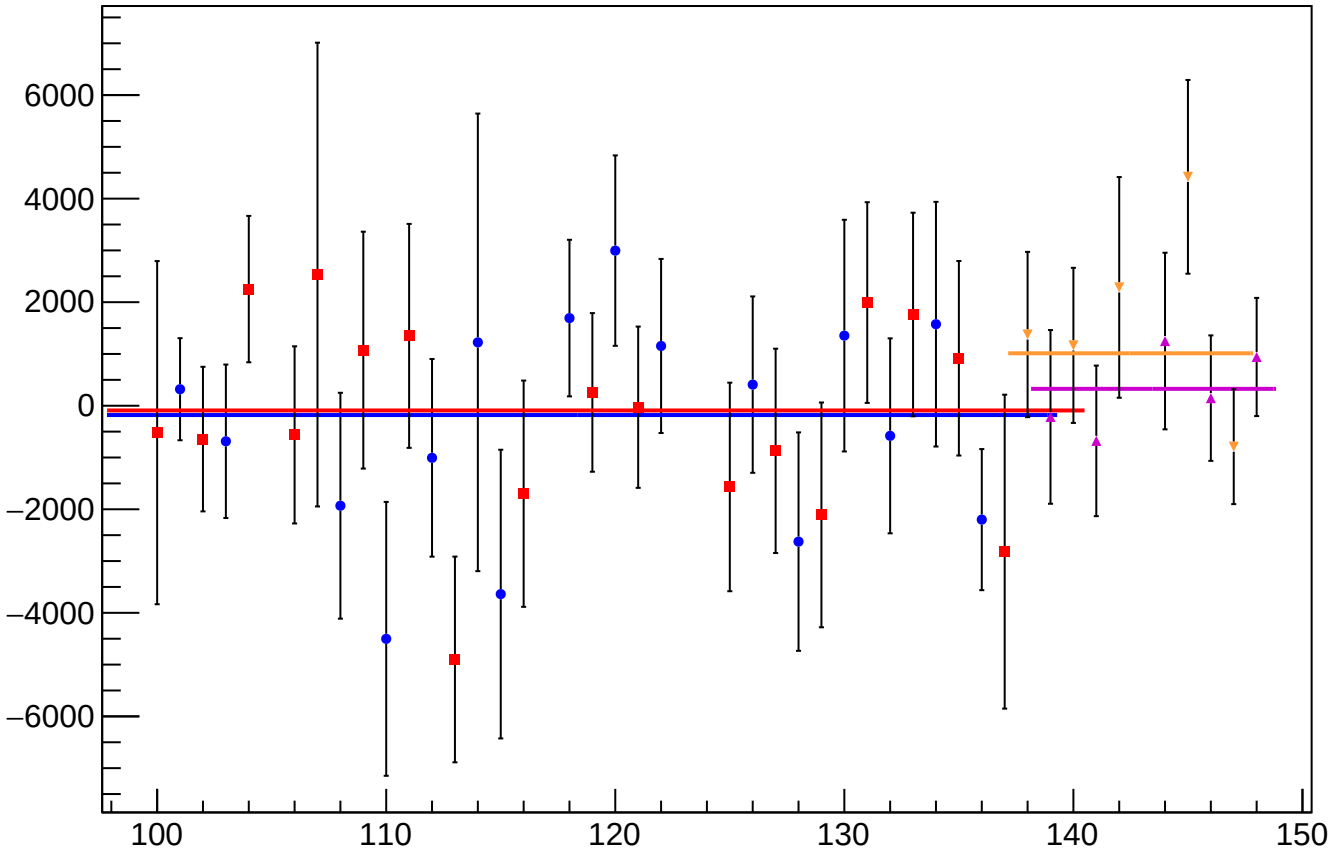
Left: 787.453+/-0.196 χ^2/NDF: 2388.3/9

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

In: 783.369+/-0.163 χ^2/NDF:13812.0/20

Out: 787.259+/-0.167 χ^2/NDF:8285.7/22

All: 785.257+/-0.117 χ^2/NDF: 22375.9/43



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

Left In: 326.067+/-617.702 χ^2/NDF:1.2/4

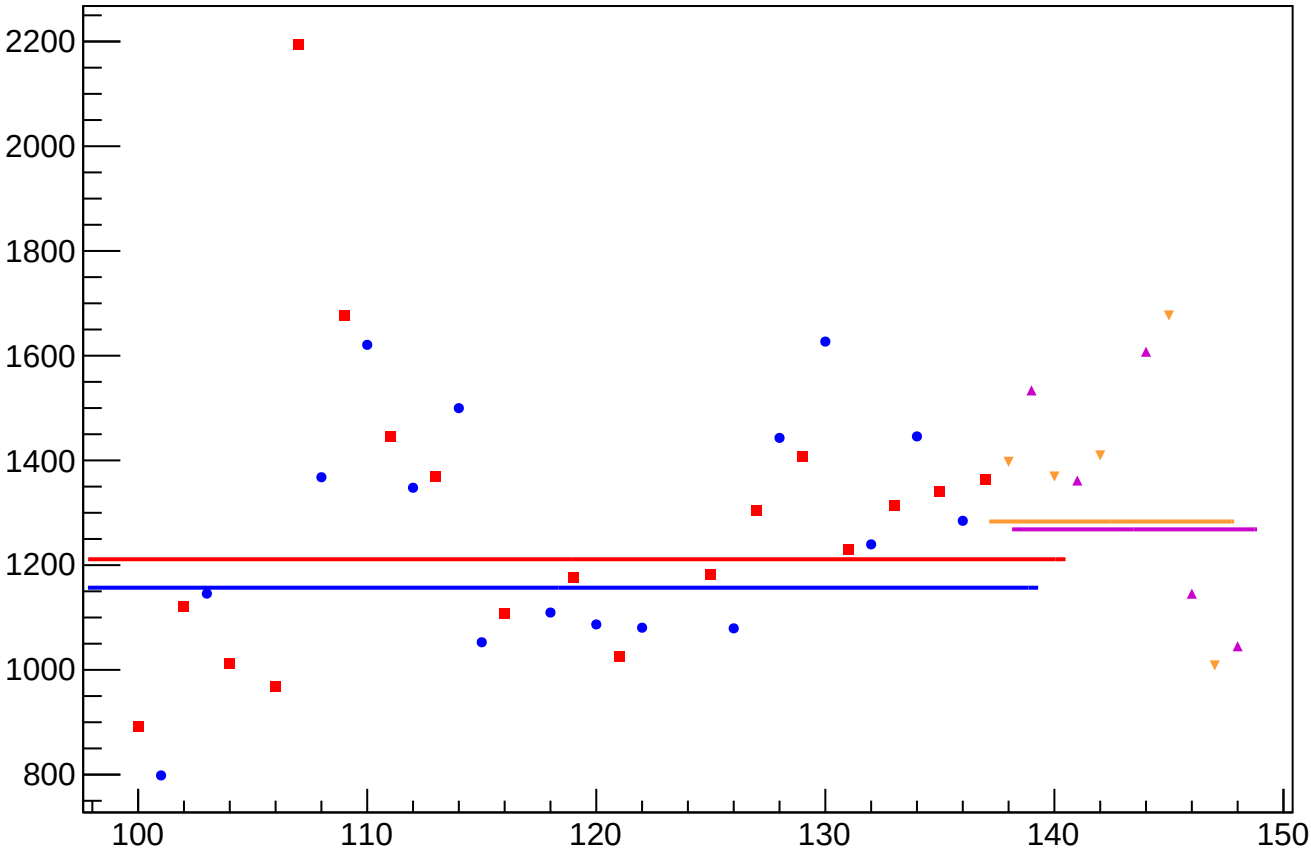
Left: 636.024+/-457.541 χ^2/NDF: 8.1/9

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

In: -9.212+/-358.792 χ^2/NDF:17.0/20

Out: 249.242+/-378.226 χ^2/NDF:23.4/22

All: 113.205+/-260.304 χ^2/NDF: 40.7/43



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

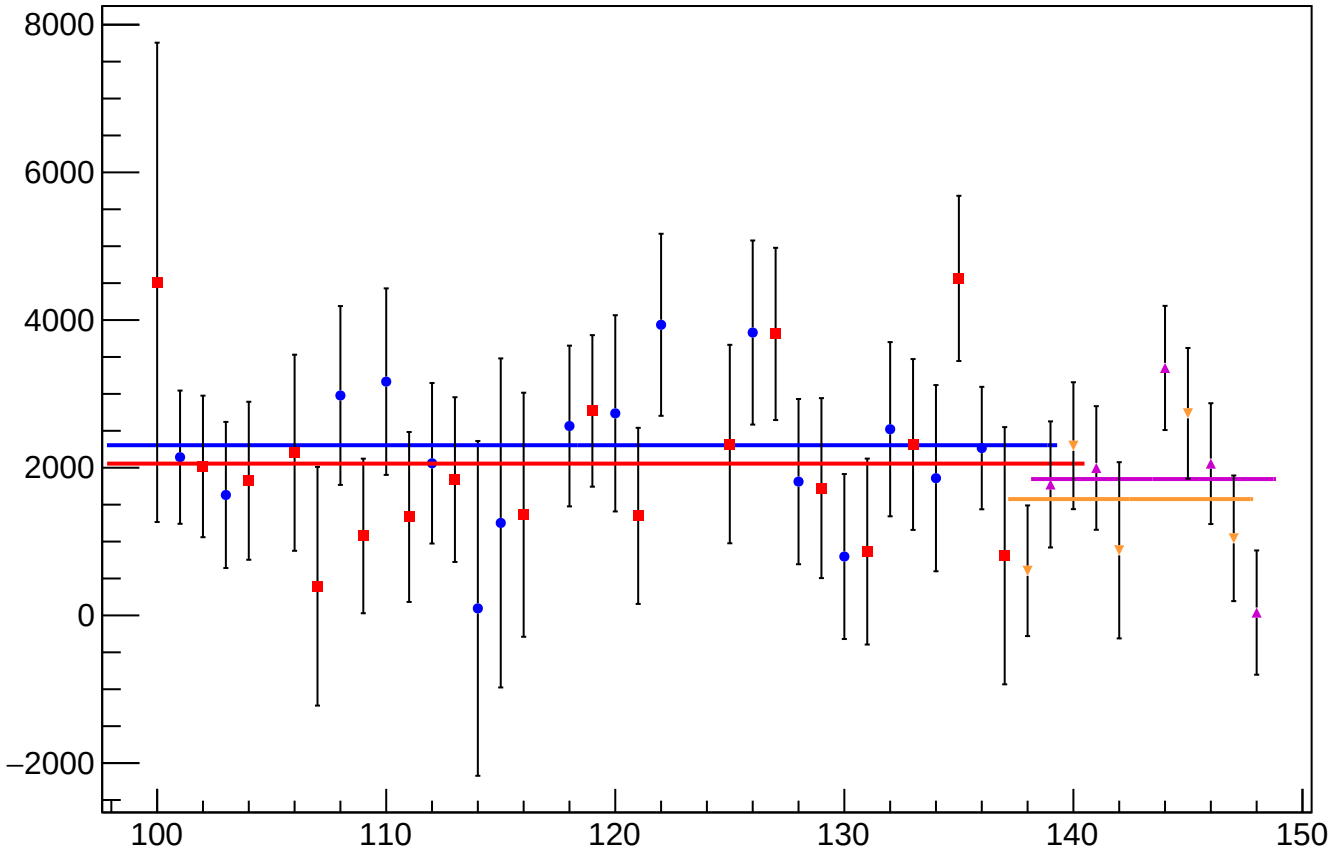
Left: 1275.119+/-0.324 χ^2/NDF: 469808.8/9

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

In: 1194.532+/-0.254 χ^2/NDF:846645.5/20

Out: 1233.498+/-0.267 χ^2/NDF:648062.0/22

All: 1212.988+/-0.184 χ^2/NDF: 1505880.3/43



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

Left Out: 1575.596+/-408.511 χ^2/NDF:4.4/4

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

Left In: 1846.723+/-374.815 χ^2/NDF:7.9/4

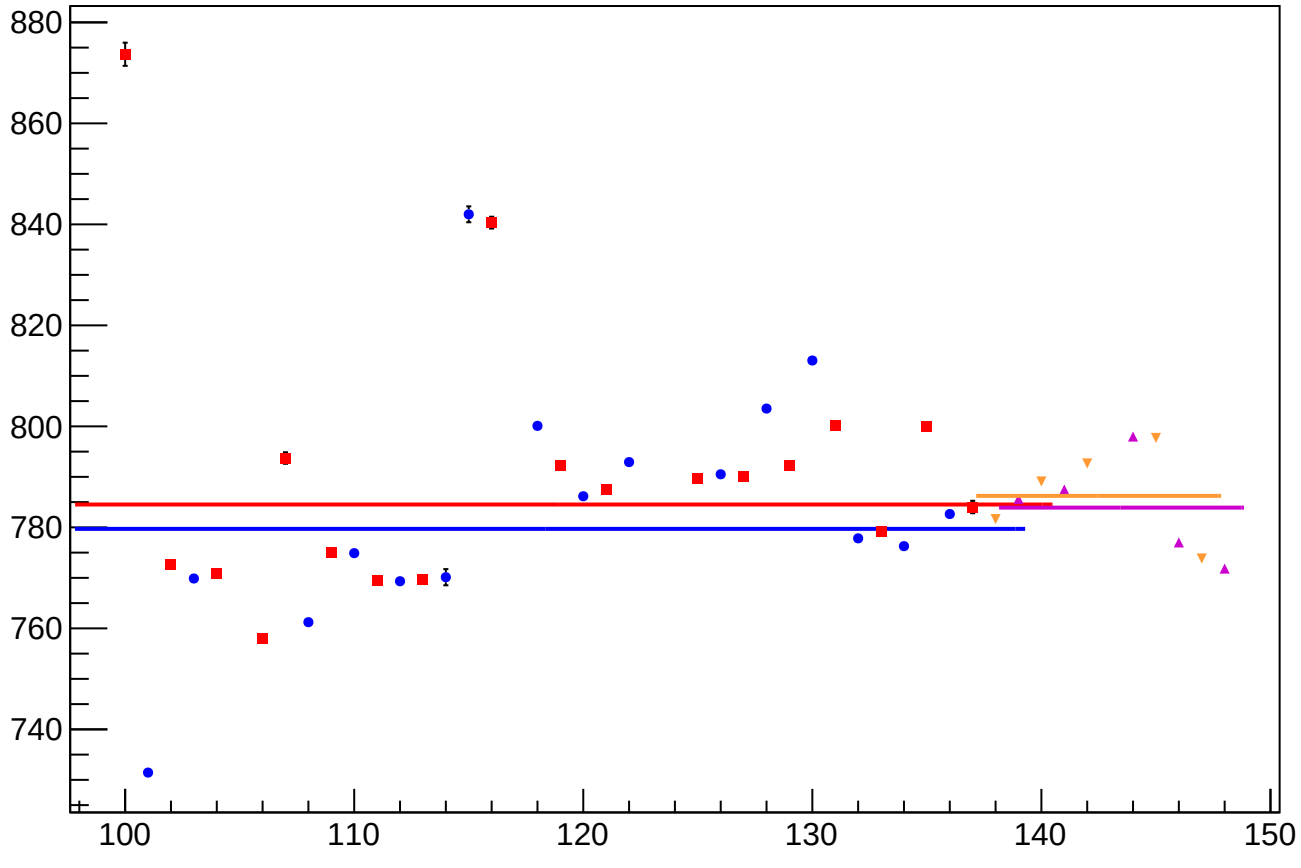
Left: 1722.801+/-276.180 χ^2/NDF: 12.5/9

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

In: 2133.518+/-229.216 χ^2/NDF:16.9/20

Out: 1895.474+/-235.978 χ^2/NDF:18.2/22

All: 2017.955+/-164.419 χ^2/NDF: 35.6/43



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

Left Out: 786.237+/-0.289 χ^2/NDF:895.3/4

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

Left In: 783.912+/-0.265 χ^2/NDF:1158.4/4

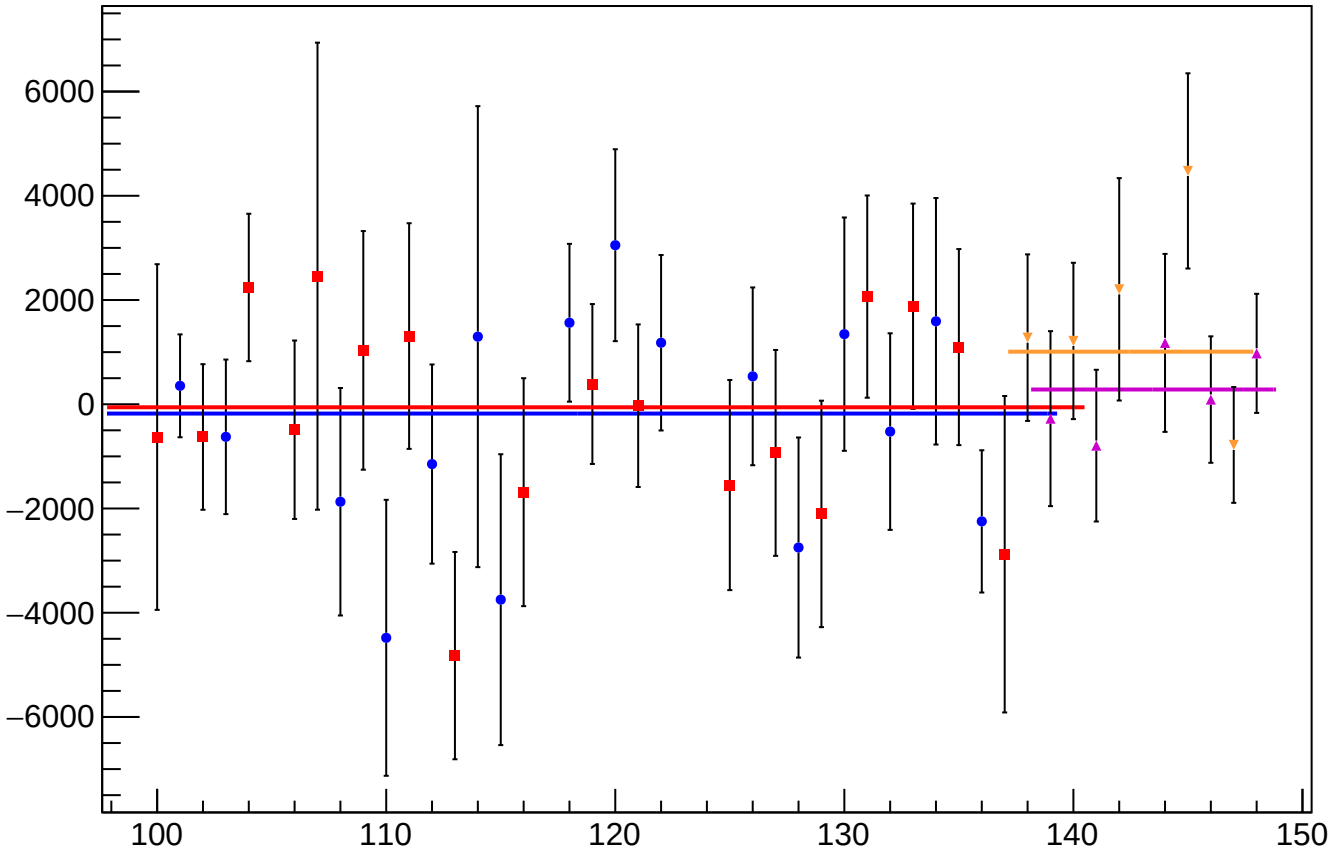
Left: 784.975+/-0.195 χ^2/NDF: 2088.8/9

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

In: 781.276+/-0.162 χ^2/NDF:13376.5/20

Out: 785.096+/-0.167 χ^2/NDF:8078.7/22

All: 783.131+/-0.116 χ^2/NDF: 21724.9/43



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

Left Out: 1008.798+/-681.844 χ^2/NDF:6.4/4

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

Left In: 283.017+/-618.358 χ^2/NDF:1.3/4

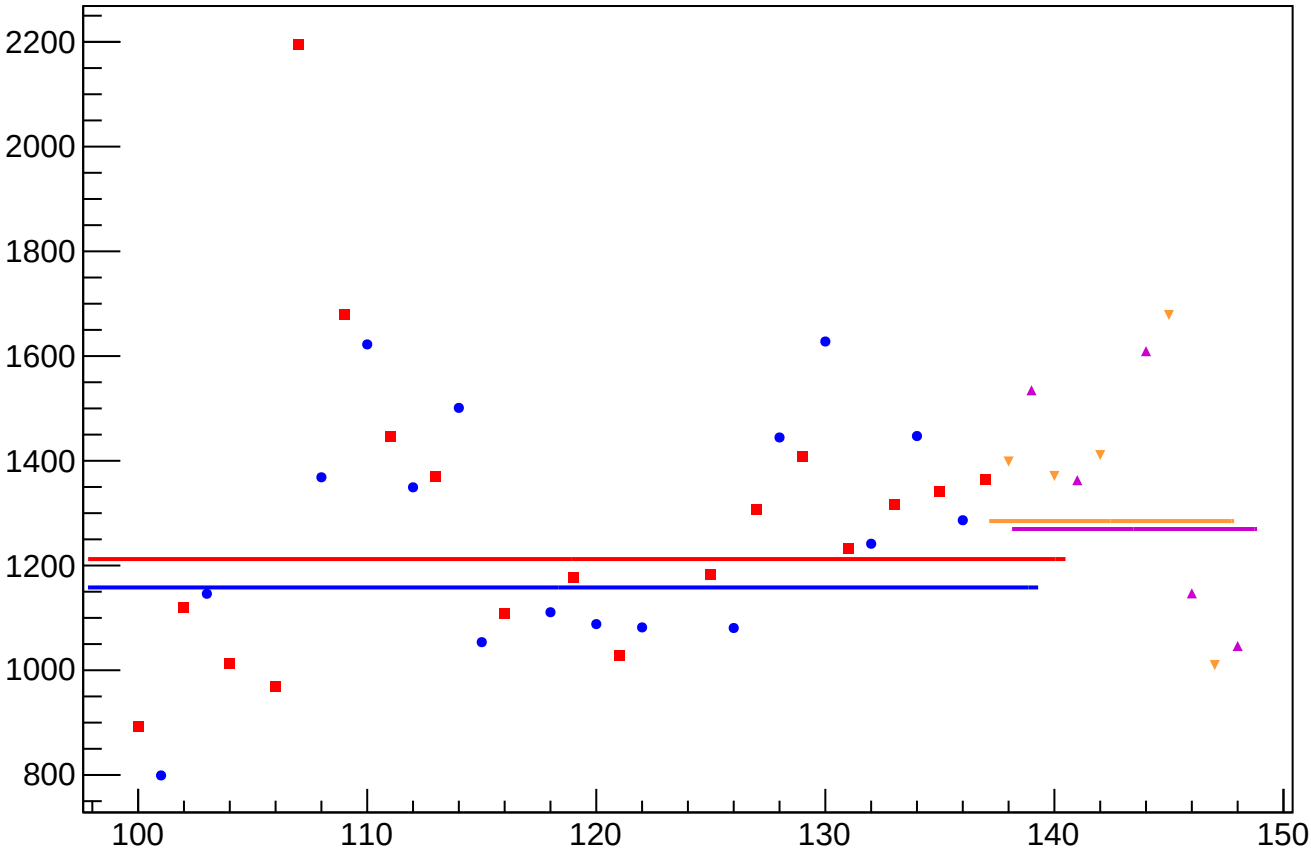
Left: 610.553+/-458.049 χ^2/NDF: 8.3/9

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

In: -22.771+/-359.162 χ^2/NDF:17.4/20

Out: 270.871+/-378.595 χ^2/NDF:23.3/22

All: 116.320+/-260.565 χ^2/NDF: 41.0/43



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

Left Out: 1284.896+/-0.482 χ^2/NDF:234508.2/4

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

Left In: 1269.725+/-0.437 χ^2/NDF:234130.9/4

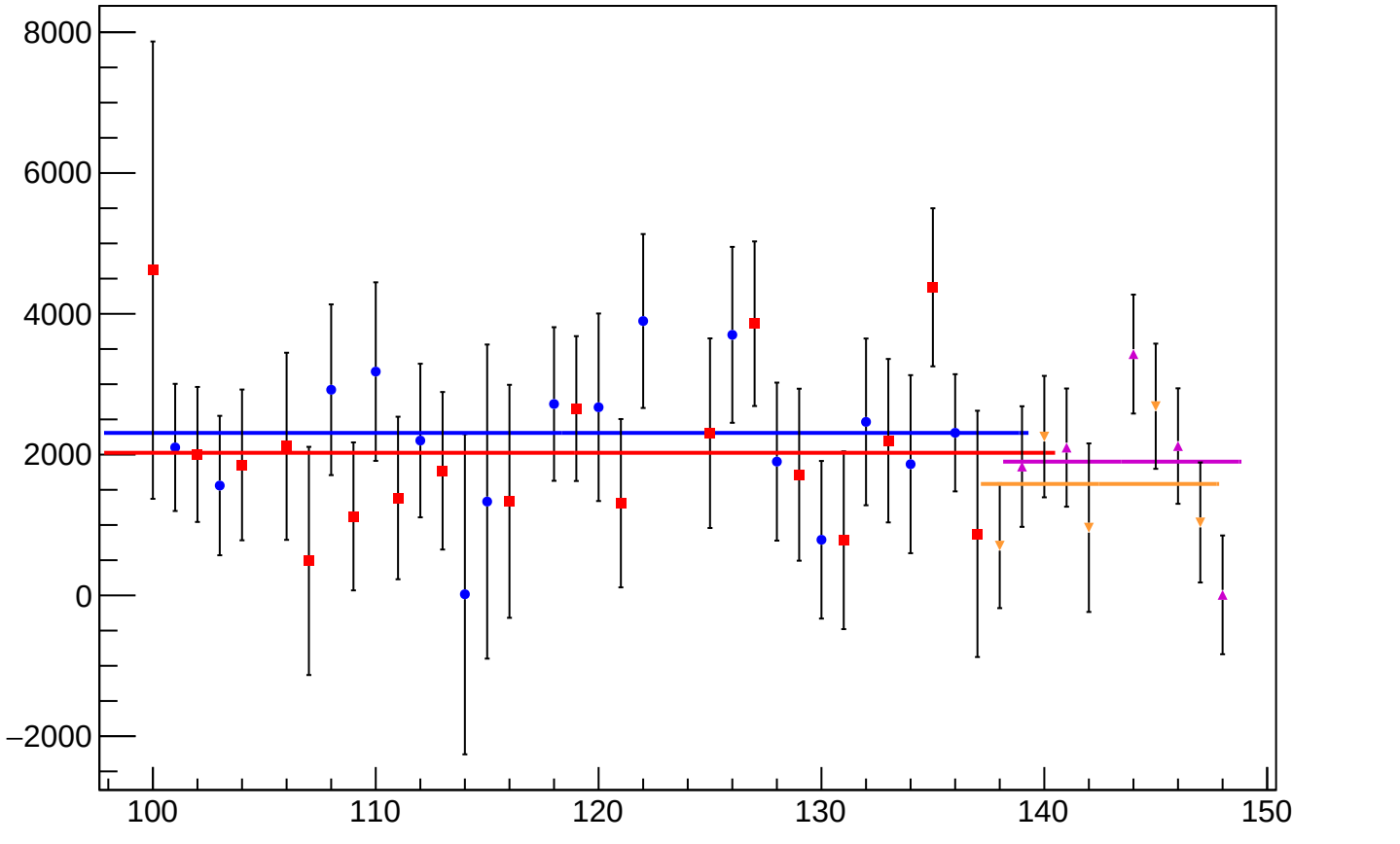
Left: 1276.571+/-0.324 χ^2/NDF: 469182.4/9

Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1195.781+/-0.254 χ^2/NDF:846436.2/20

Out: 1234.714+/-0.268 χ^2/NDF:648108.1/22

All: 1214.222+/-0.184 χ^2/NDF: 1505676.3/43



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

Left In: 1899.953+/-375.934 χ^2/NDF:8.4/4

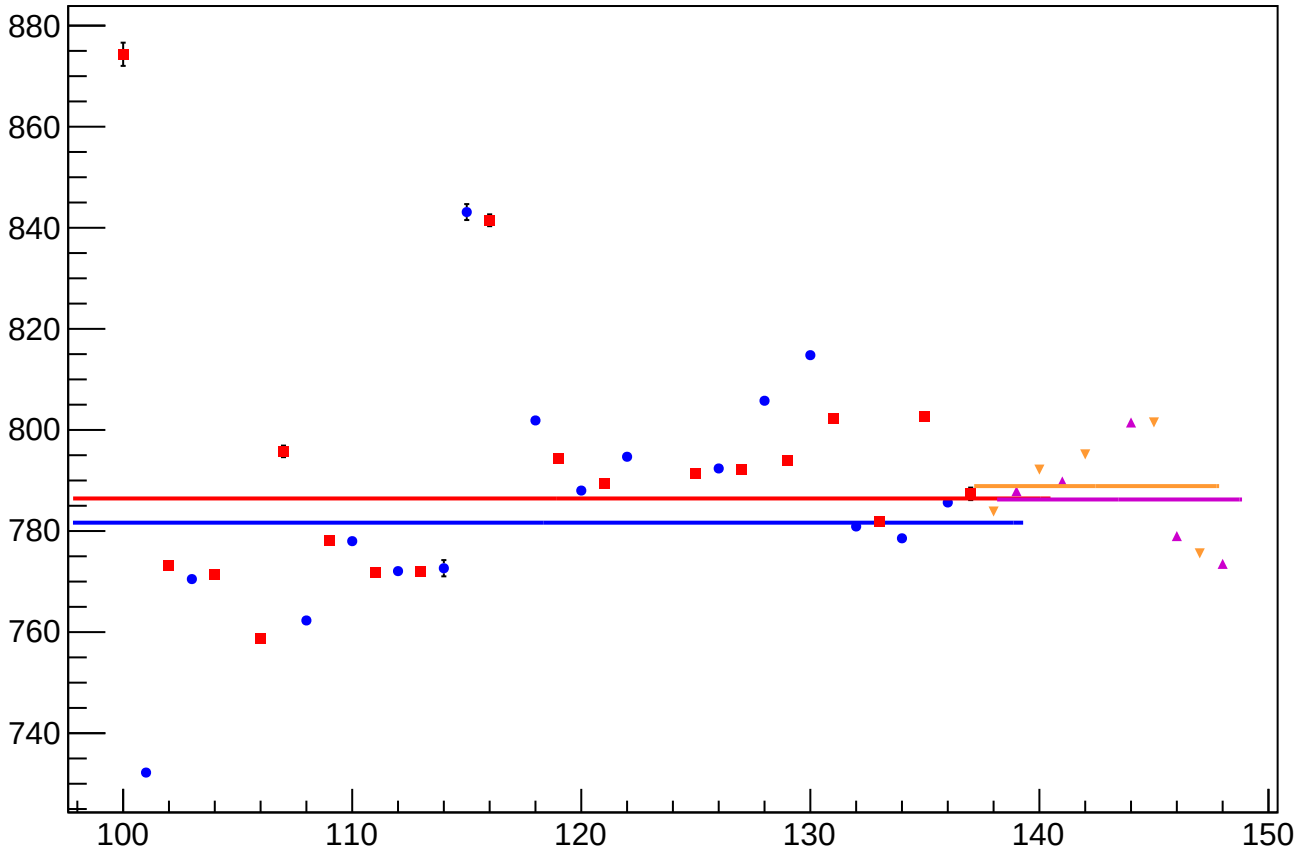
Left: 1755.296+/-277.055 χ^2/NDF: 12.6/9

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

In: 2155.583+/-229.833 χ^2/NDF:17.0/20

Out: 1878.221+/-236.630 χ^2/NDF:16.5/22

All: 2020.943+/-164.867 χ^2/NDF: 34.2/43



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

Left In: 786.243+/-0.266 χ^2/NDF:1306.4/4

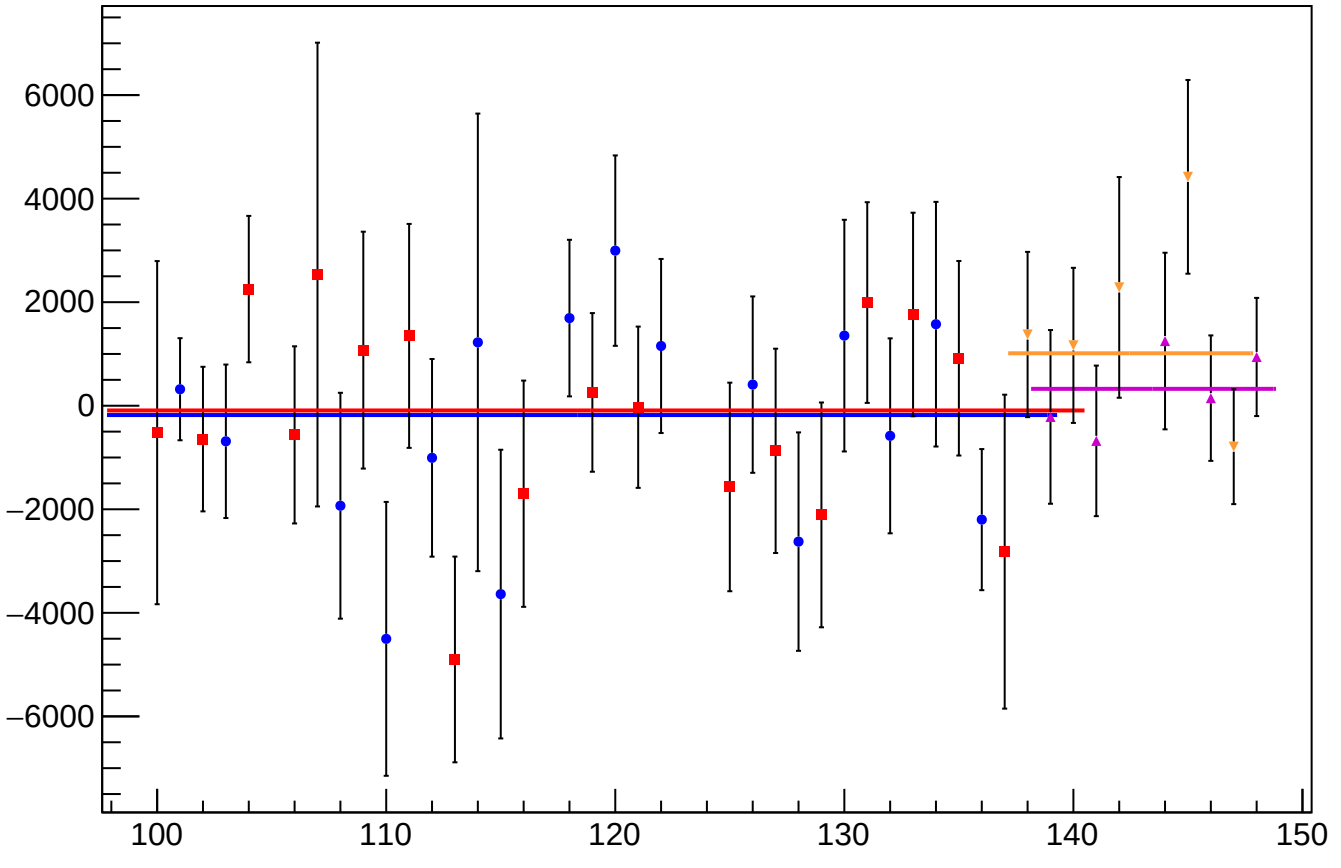
Left: 787.453+/-0.196 χ^2/NDF: 2388.3/9

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

In: 783.369+/-0.163 χ^2/NDF:13812.0/20

Out: 787.259+/-0.167 χ^2/NDF:8285.7/22

All: 785.257+/-0.117 χ^2/NDF: 22375.9/43



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

Left In: 326.067+/-617.702 χ^2/NDF:1.2/4

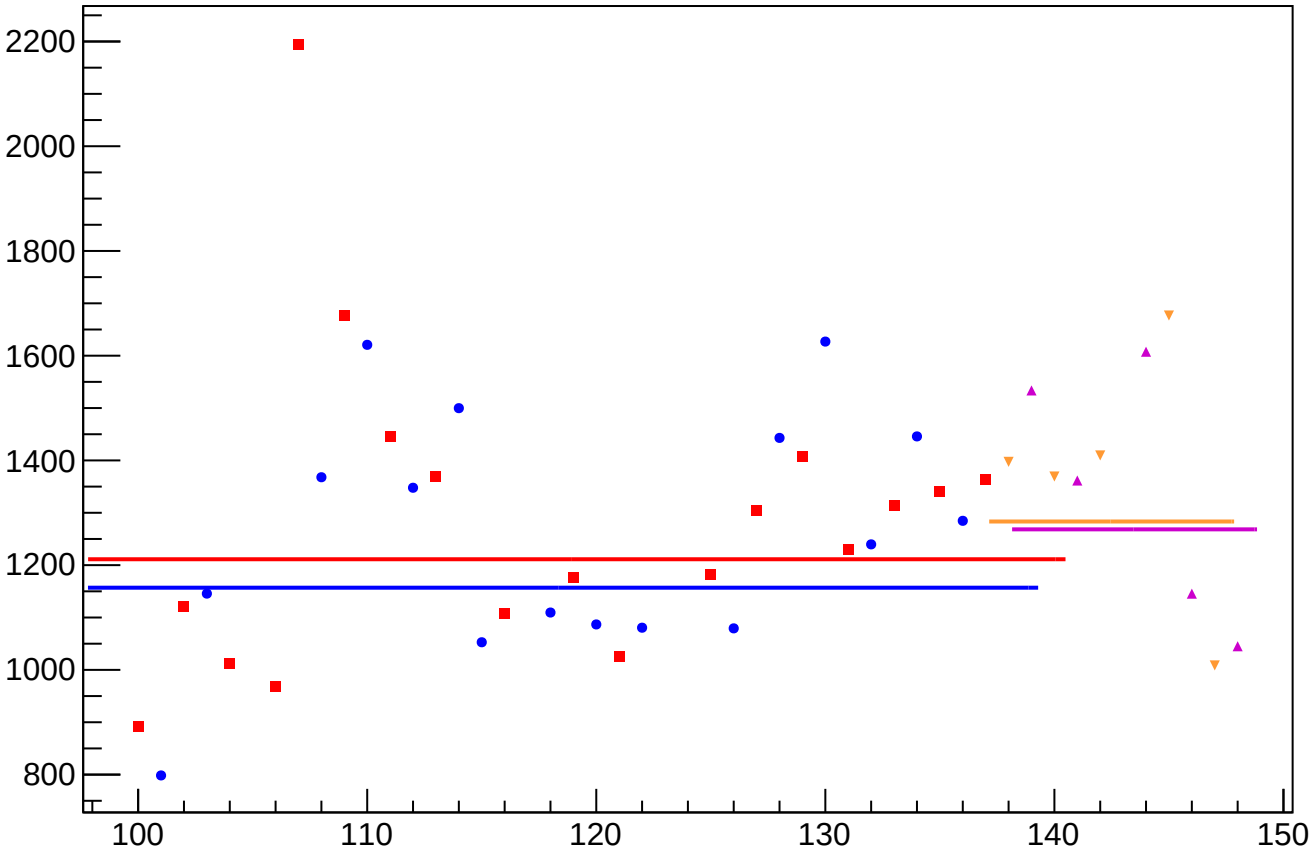
Left: 636.024+/-457.541 χ^2/NDF: 8.1/9

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

In: -9.212+/-358.792 χ^2/NDF:17.0/20

Out: 249.242+/-378.226 χ^2/NDF:23.4/22

All: 113.205+/-260.304 χ^2/NDF: 40.7/43



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

Left In: 1268.345+/-0.437 χ^2/NDF:234425.5/4

Left: 1275.119+/-0.324 χ^2/NDF: 469808.8/9

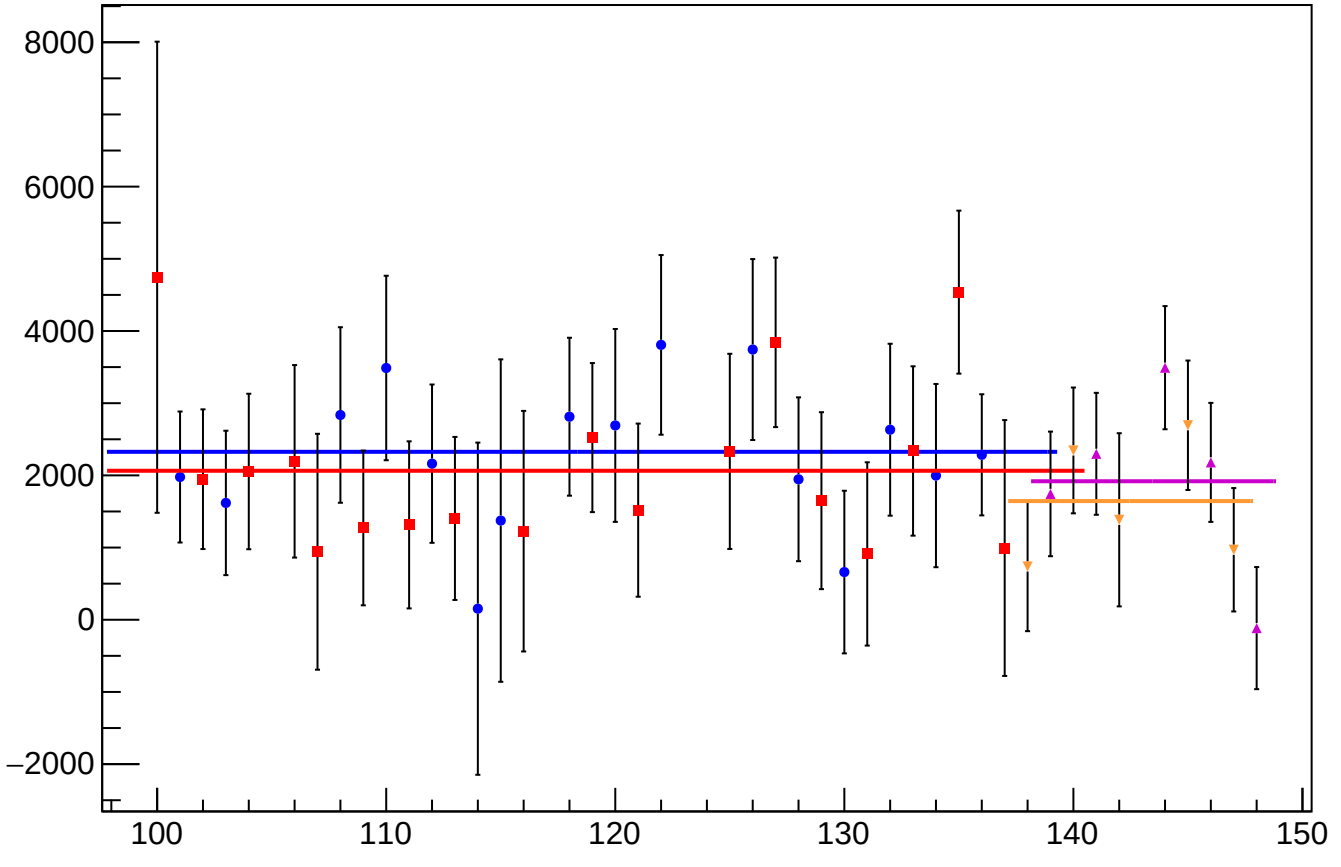
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1194.532+/-0.254 χ^2/NDF:846645.5/20

Out: 1233.498+/-0.267 χ^2/NDF:648062.0/22

All: 1212.988+/-0.184 χ^2/NDF: 1505880.3/43

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1644.011+/-412.753 χ^2/NDF:3.7/4

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

Left In: 1918.793+/-378.291 χ^2/NDF:9.5/4

Left: 1793.350+/-278.881 χ^2/NDF: 13.5/9

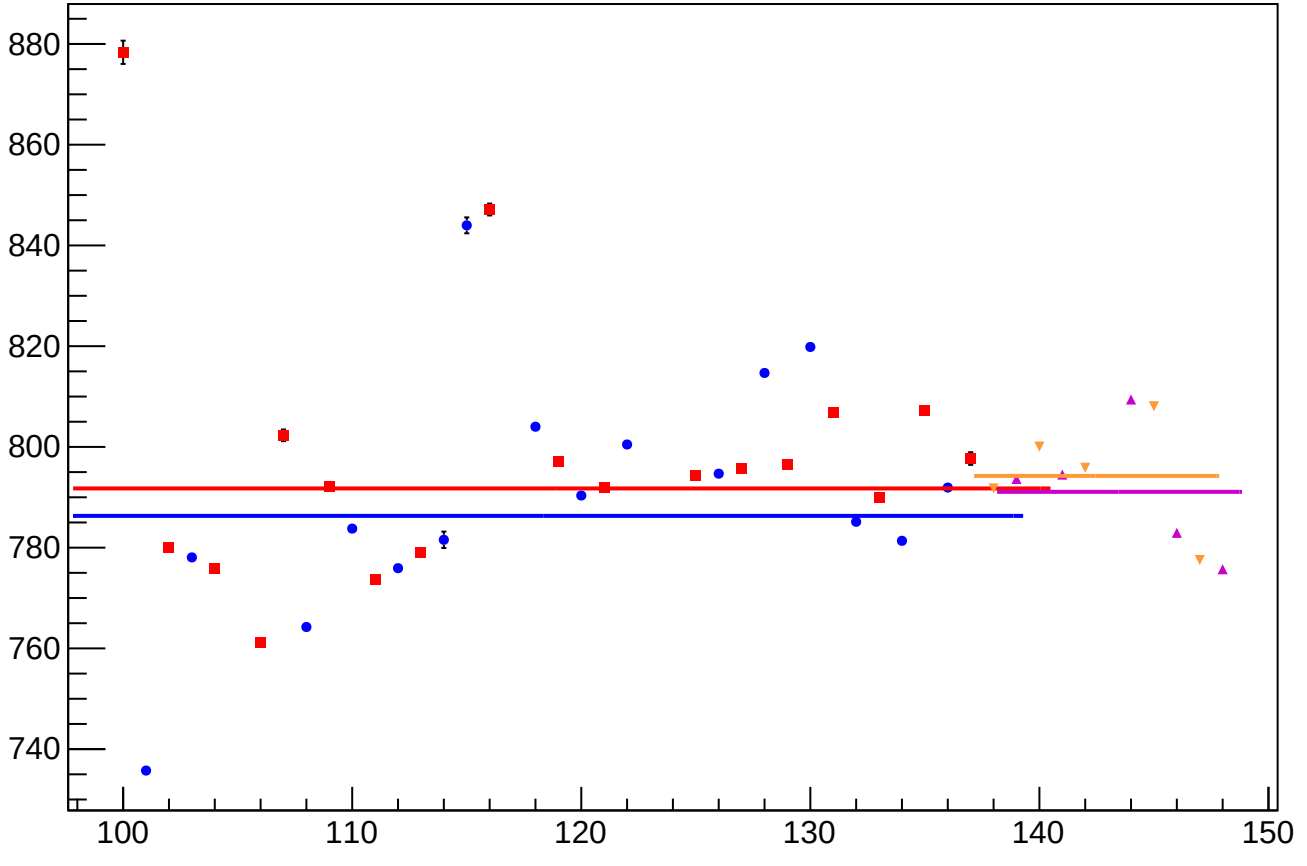
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2174.119+/-231.236 χ^2/NDF:18.4/20

Out: 1924.033+/-238.265 χ^2/NDF:16.0/22

All: 2052.819+/-165.938 χ^2/NDF: 35.0/43

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.245+/-0.292 χ^2/NDF:1346.7/4

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

Left In: 791.082+/-0.267 χ^2/NDF:1830.0/4

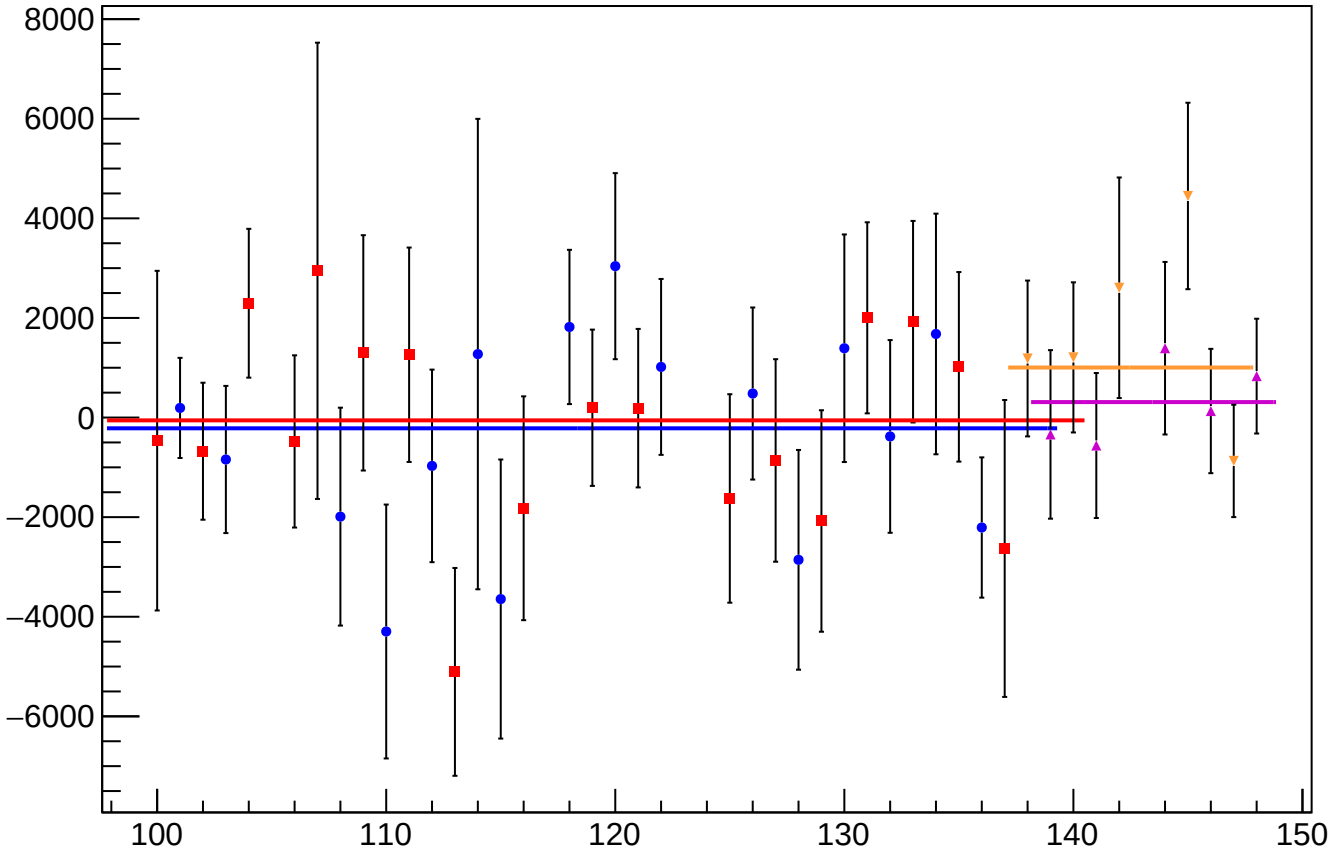
Left: 792.526+/-0.197 χ^2/NDF: 3240.5/9

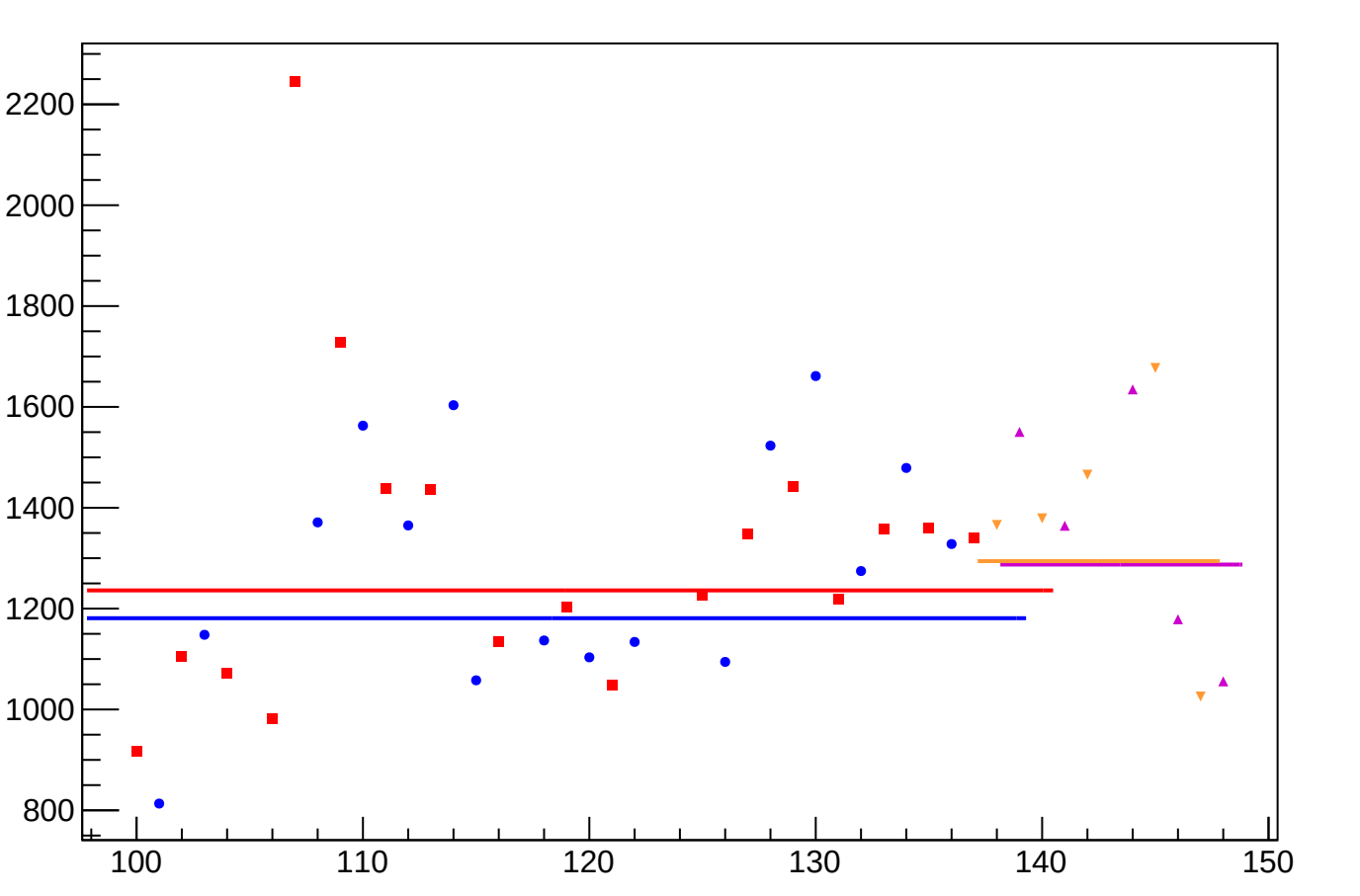
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 788.093+/-0.164 χ^2/NDF:14600.5/20

Out: 792.586+/-0.168 χ^2/NDF:8410.2/22

All: 790.272+/-0.117 χ^2/NDF: 23377.0/43


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: 1004.528+/-686.296 χ²/NDF:6.7/4
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 310.359+/-626.389 χ²/NDF:1.1/4
Left: 625.830+/-462.656 χ²/NDF: 8.4/9
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -37.184+/-365.219 χ²/NDF:16.9/20
Out: 276.134+/-384.379 χ²/NDF:23.5/22
All: 111.472+/-264.763 χ²/NDF: 40.7/43



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

Left Out: 1294.172+/-0.485 χ^2/NDF:219557.4/4

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

Left In: 1287.386+/-0.443 χ^2/NDF:230171.5/4

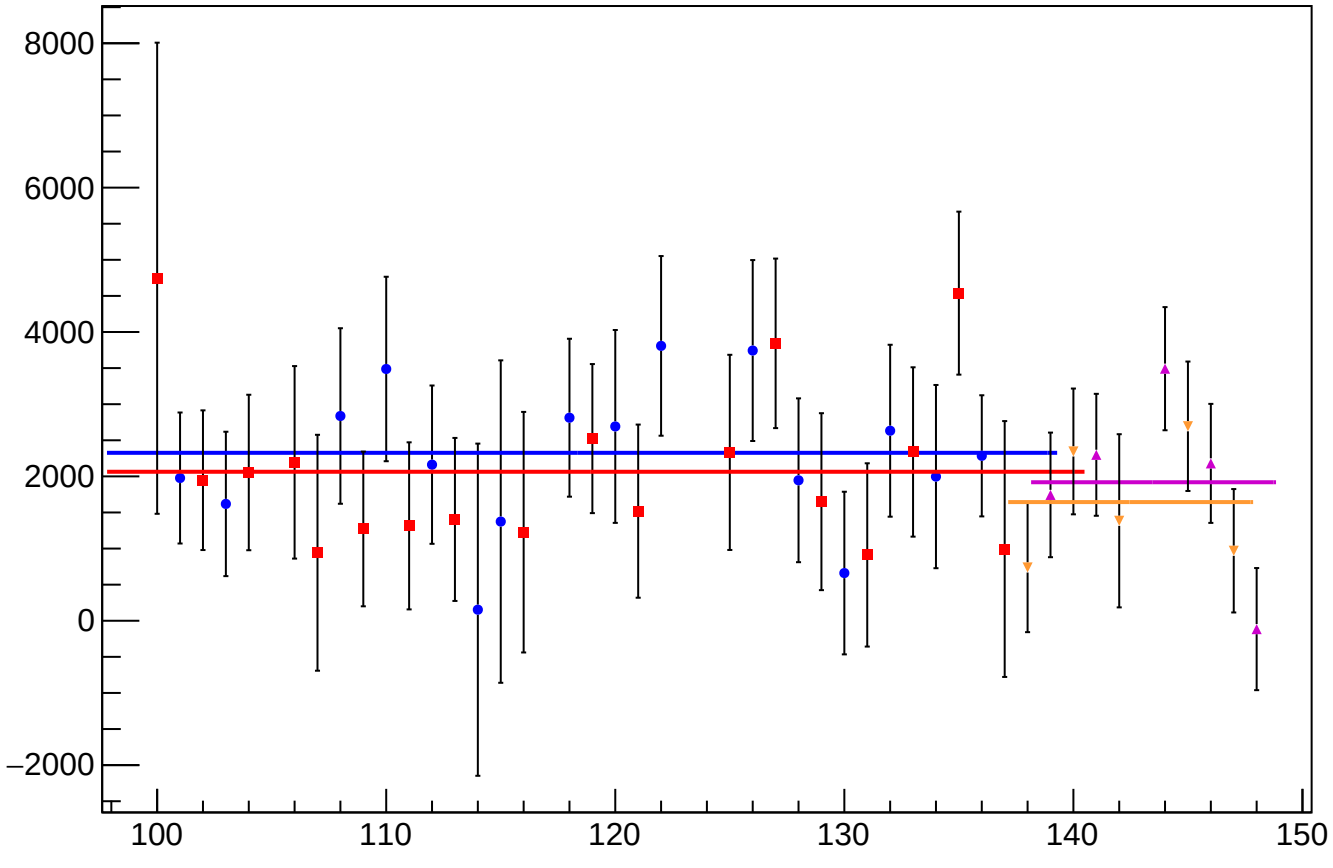
Left: 1290.470+/-0.327 χ^2/NDF: 449835.6/9

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

In: 1217.165+/-0.258 χ^2/NDF:839360.1/20

Out: 1254.340+/-0.272 χ^2/NDF:626616.0/22

All: 1234.803+/-0.187 χ^2/NDF: 1475807.7/43



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

Left Out: 1644.013+/-412.753 χ^2/NDF:3.7/4

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

Left In: 1918.793+/-378.291 χ^2/NDF:9.5/4

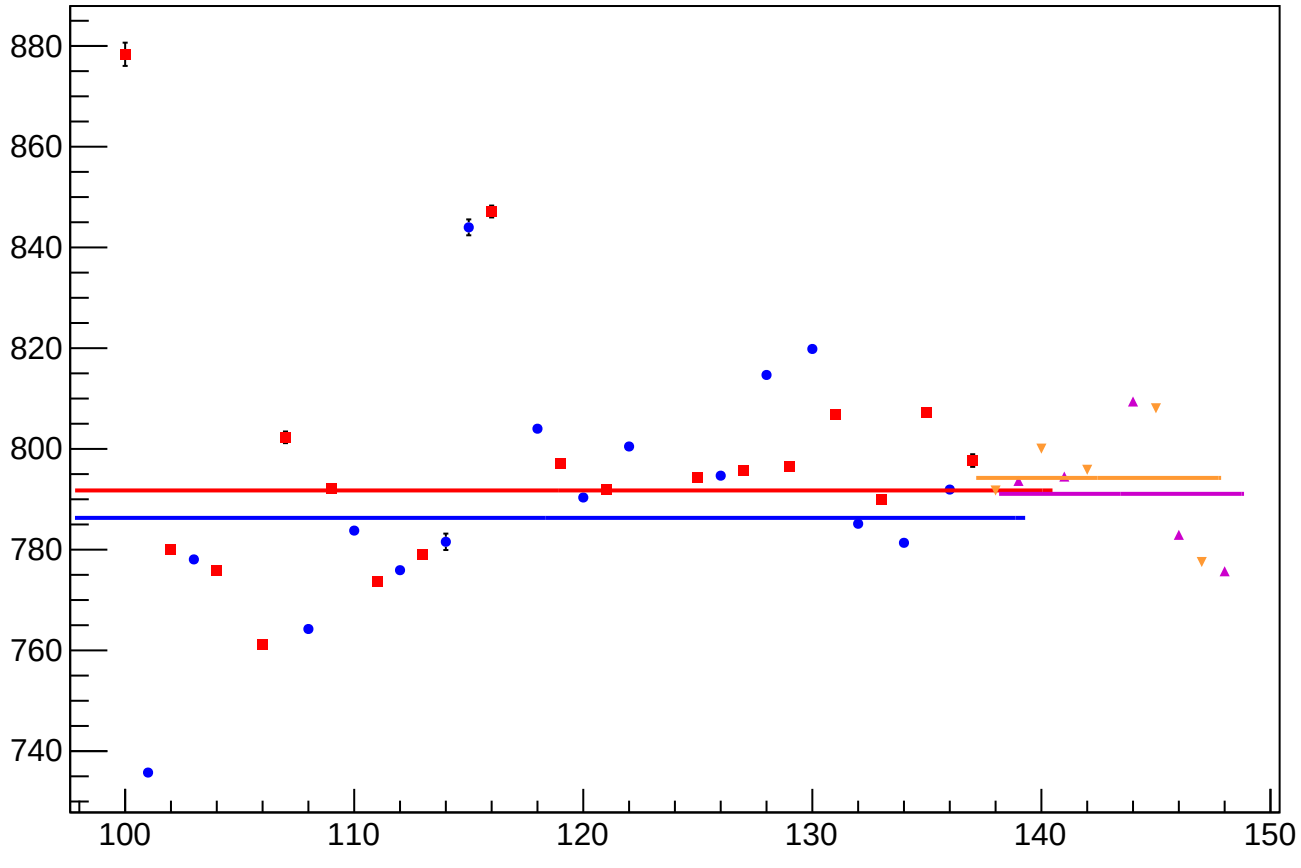
Left: 1793.351+/-278.881 χ^2/NDF: 13.5/9

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

In: 2174.119+/-231.236 χ^2/NDF:18.4/20

Out: 1924.032+/-238.265 χ^2/NDF:16.0/22

All: 2052.819+/-165.938 χ^2/NDF: 35.0/43



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

Left Out: 794.245+/-0.292 χ^2/NDF:1346.6/4

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

Left In: 791.082+/-0.267 χ^2/NDF:1830.0/4

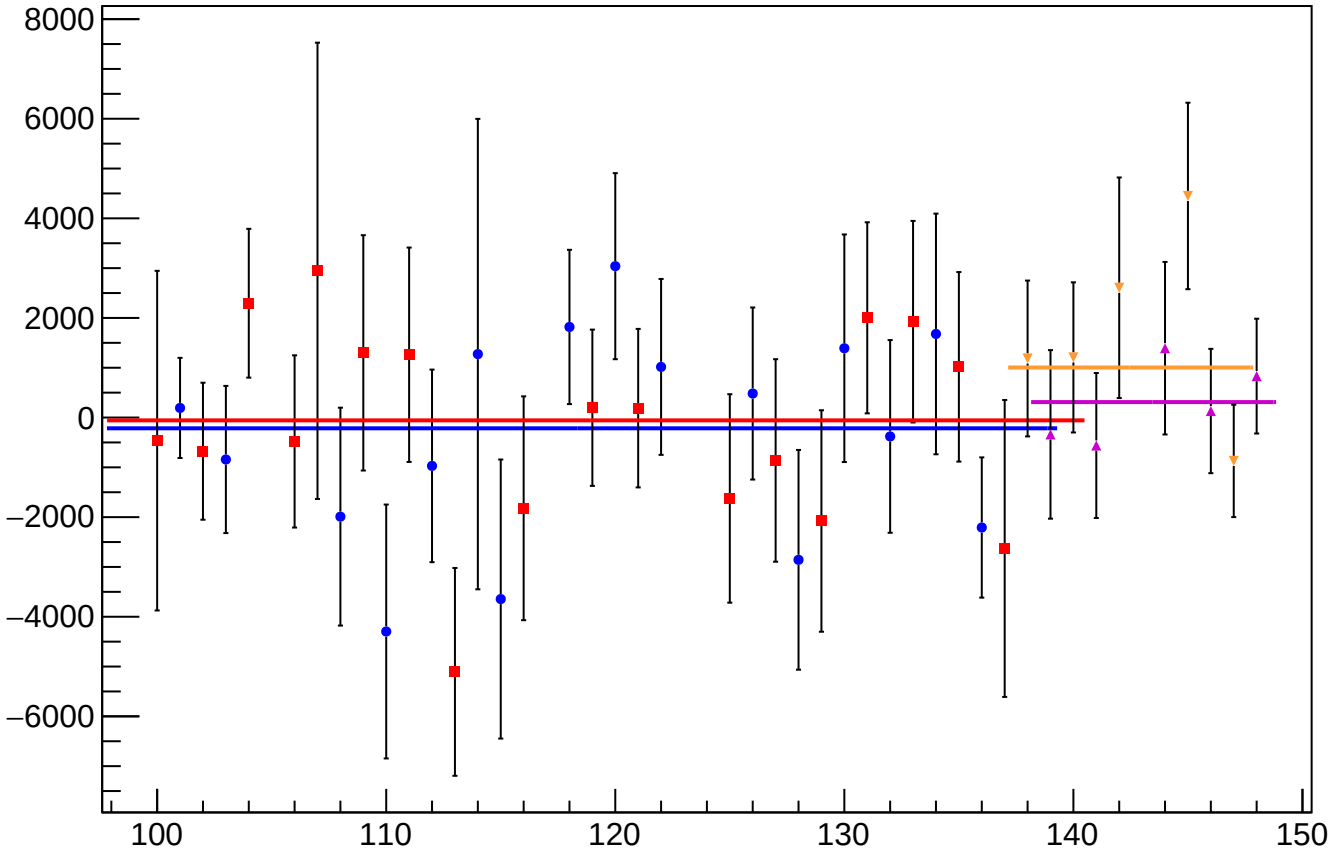
Left: 792.526+/-0.197 χ^2/NDF: 3240.5/9

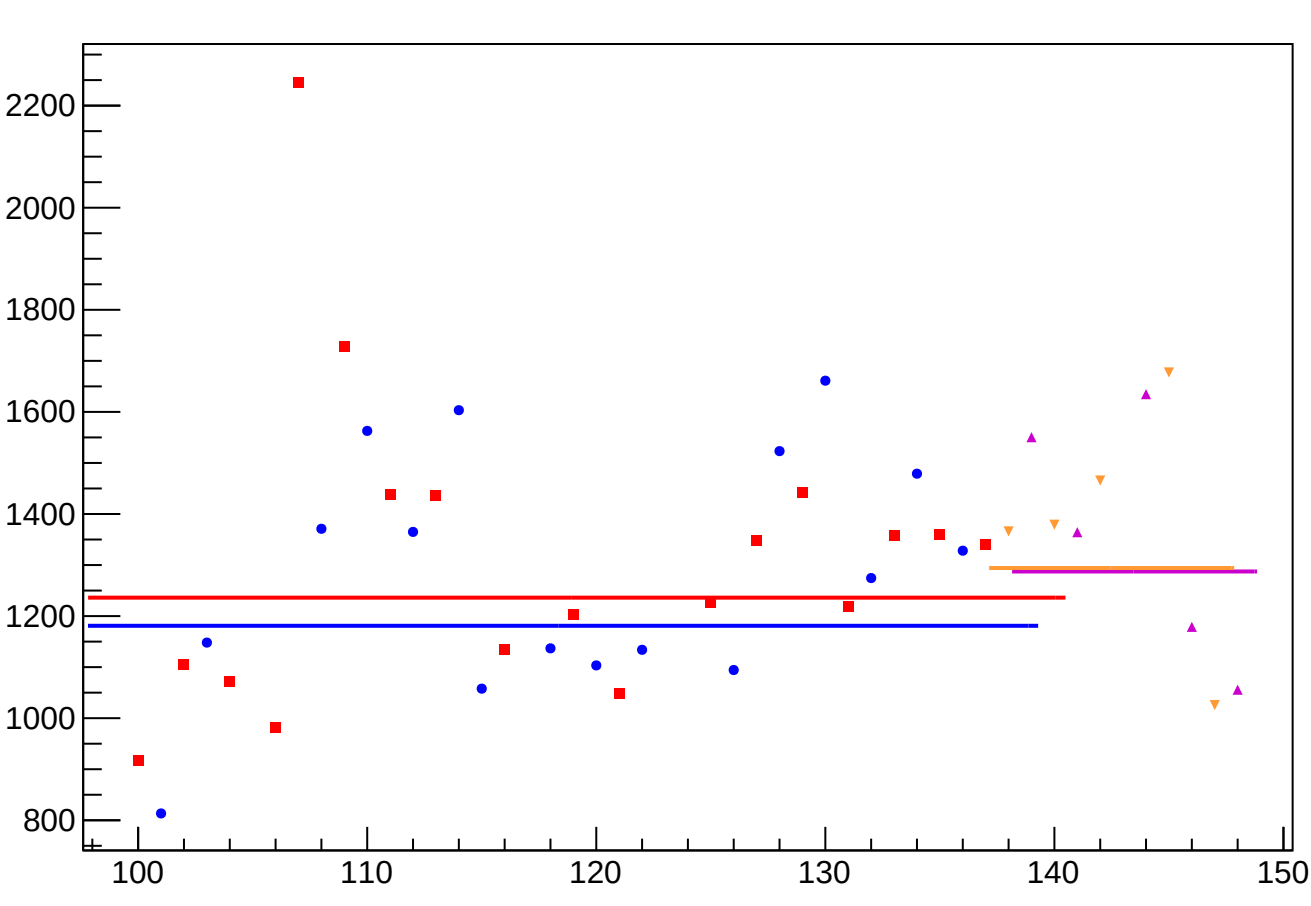
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 788.093+/-0.164 χ^2/NDF:14600.5/20

Out: 792.586+/-0.168 χ^2/NDF:8410.2/22

All: 790.272+/-0.117 χ^2/NDF: 23376.9/43


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -216.183+/-449.536 χ²/NDF: 15.3/15
Left Out: 1004.526+/-686.297 χ²/NDF:6.7/4
Right Out: -56.784+/-463.977 χ²/NDF: 15.1/17
Left In: 310.359+/-626.390 χ²/NDF:1.1/4
Left: 625.828+/-462.657 χ²/NDF: 8.4/9
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -37.185+/-365.218 χ²/NDF:16.9/20
Out: 276.132+/-384.378 χ²/NDF:23.5/22
All: 111.470+/-264.763 χ²/NDF: 40.7/43



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

Left Out: 1294.174+/-0.485 χ^2/NDF:219558.5/4

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

Left In: 1287.389+/-0.443 χ^2/NDF:230172.3/4

Left: 1290.473+/-0.327 χ^2/NDF: 449837.4/9

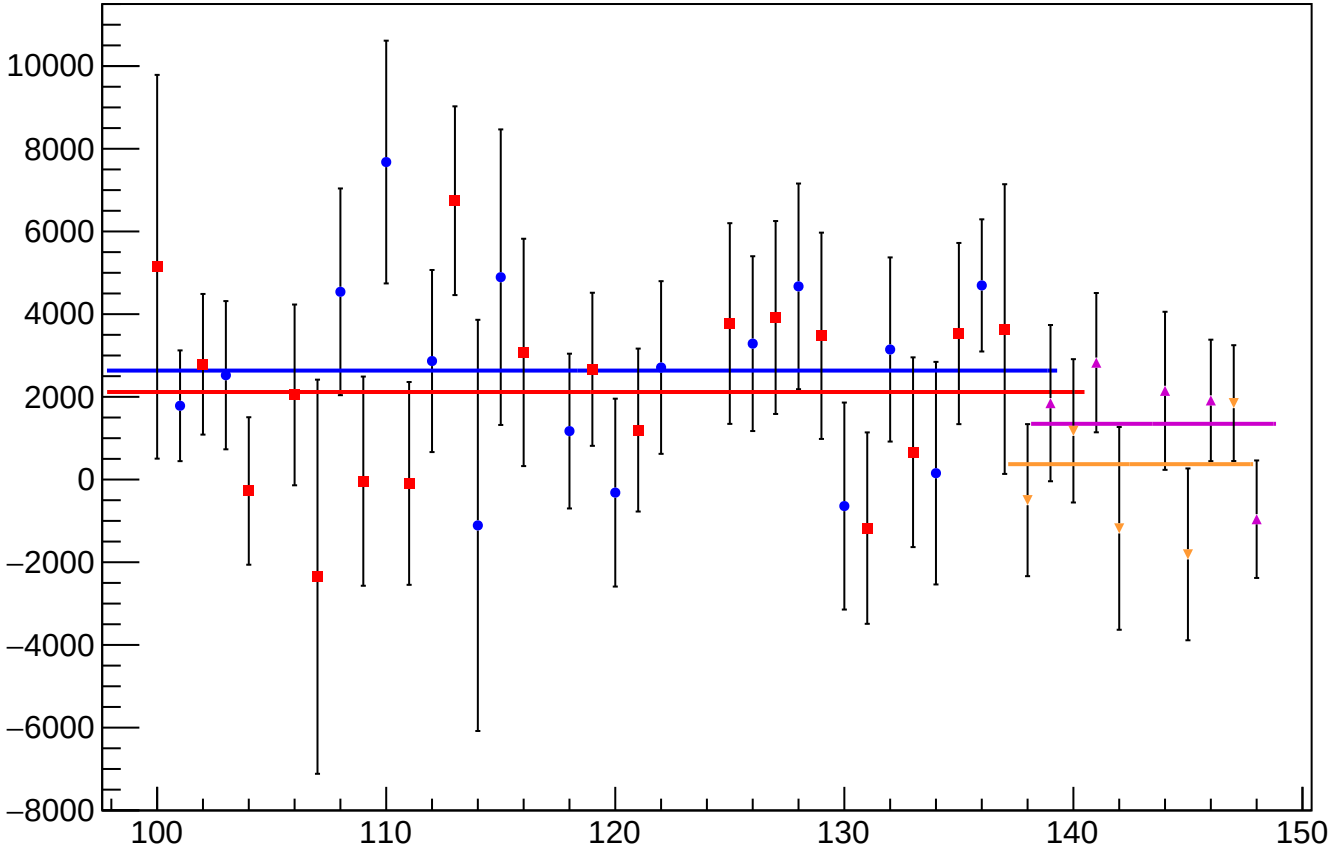
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1217.164+/-0.258 χ^2/NDF:839362.6/20

Out: 1254.338+/-0.272 χ^2/NDF:626617.5/22

All: 1234.801+/-0.187 χ^2/NDF: 1475811.5/43

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 371.866+/-806.786 χ^2/NDF:3.1/4

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

Left In: 1347.656+/-732.286 χ^2/NDF:3.8/4

Left: 906.884+/-542.234 χ^2/NDF: 7.7/9

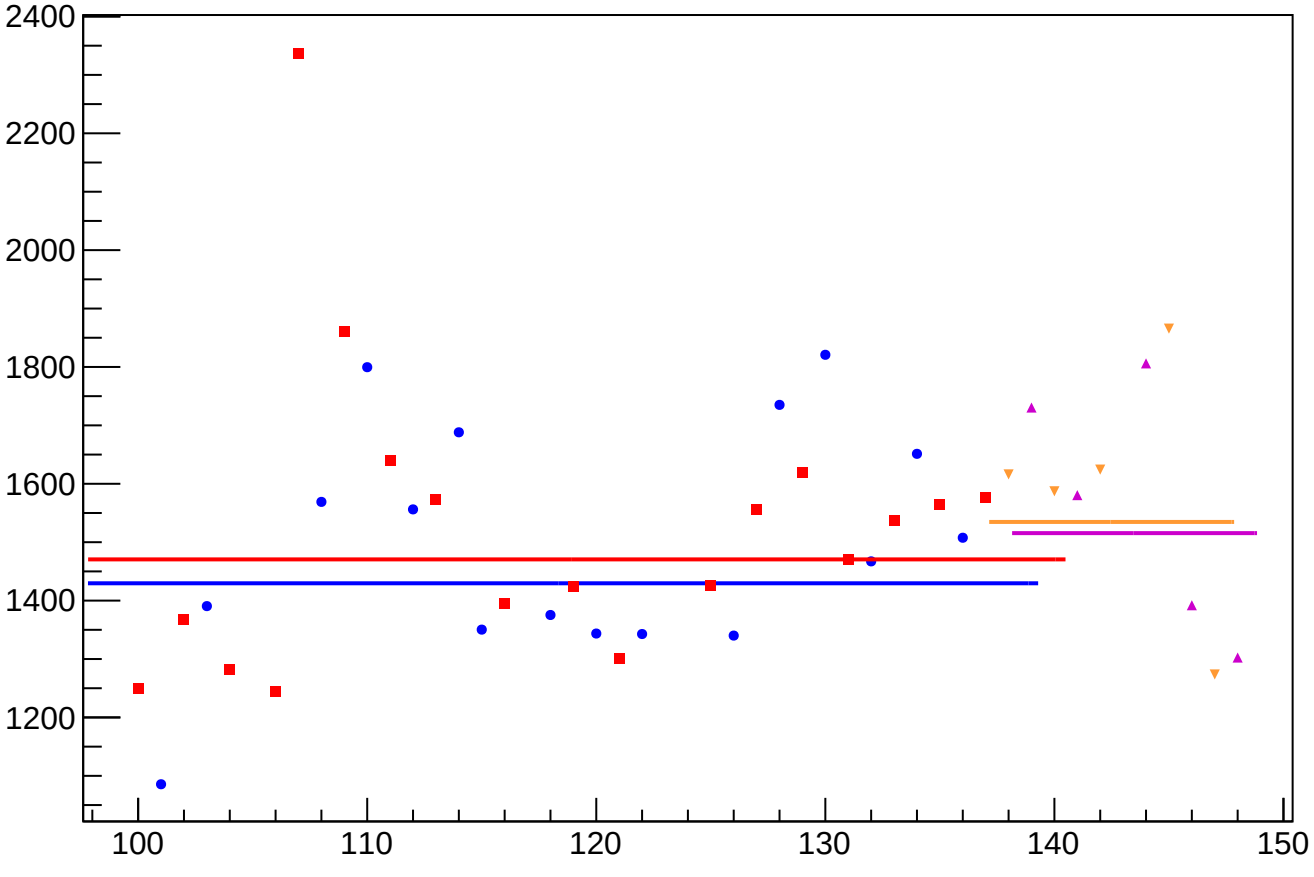
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2183.943+/-433.584 χ^2/NDF:18.1/20

Out: 1566.869+/-453.023 χ^2/NDF:20.0/22

All: 1888.929+/-313.237 χ^2/NDF: 39.0/43

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1534.684+/-0.570 χ^2/NDF:128648.1/4

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

Left In: 1515.529+/-0.518 χ^2/NDF:134161.9/4

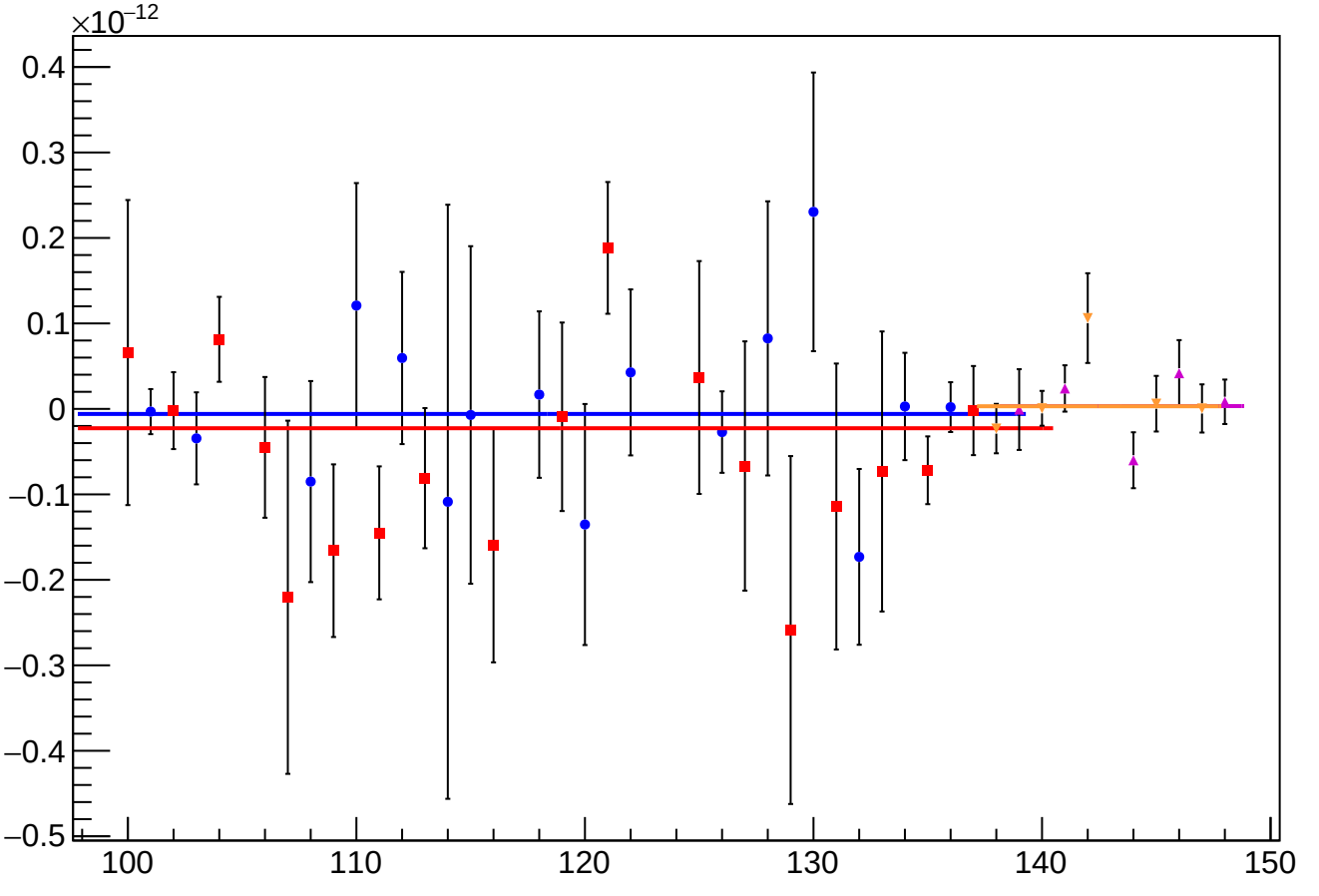
Left: 1524.181+/-0.383 χ^2/NDF: 263428.1/9

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

In: 1459.760+/-0.307 χ^2/NDF:445412.2/20

Out: 1490.782+/-0.320 χ^2/NDF:355364.9/22

All: 1474.591+/-0.221 χ^2/NDF: 805671.8/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/4

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

Left In: 0.000+/-0.000 χ^2/NDF:5.4/4

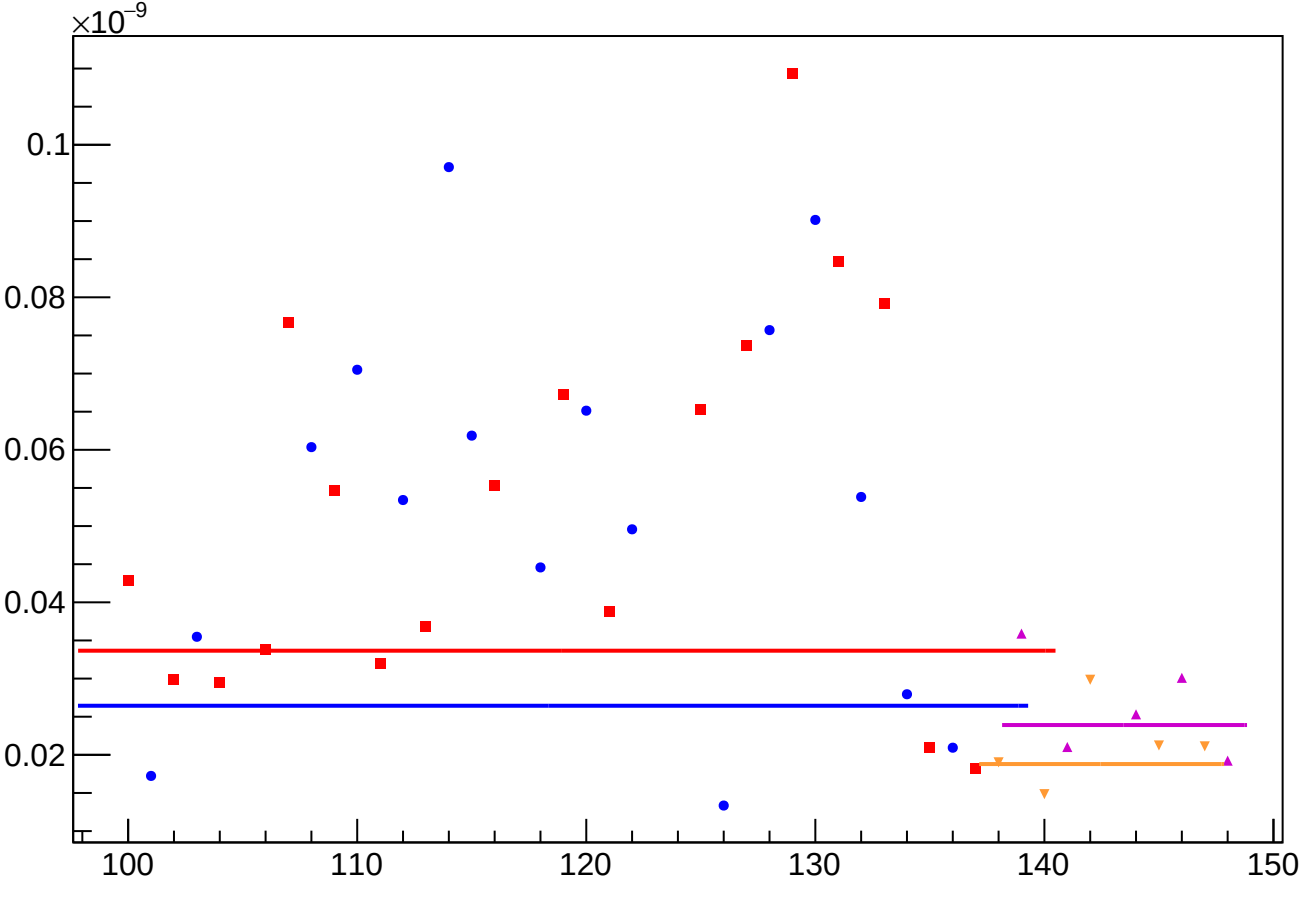
Left: 0.000+/-0.000 χ^2/NDF: 10.1/9

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

In: -0.000+/-0.000 χ^2/NDF:14.1/20

Out: -0.000+/-0.000 χ^2/NDF:29.1/22

All: -0.000+/-0.000 χ^2/NDF: 43.3/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:188637.9/4

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

Left In: 0.000+/-0.000 χ^2/NDF:270908.7/4

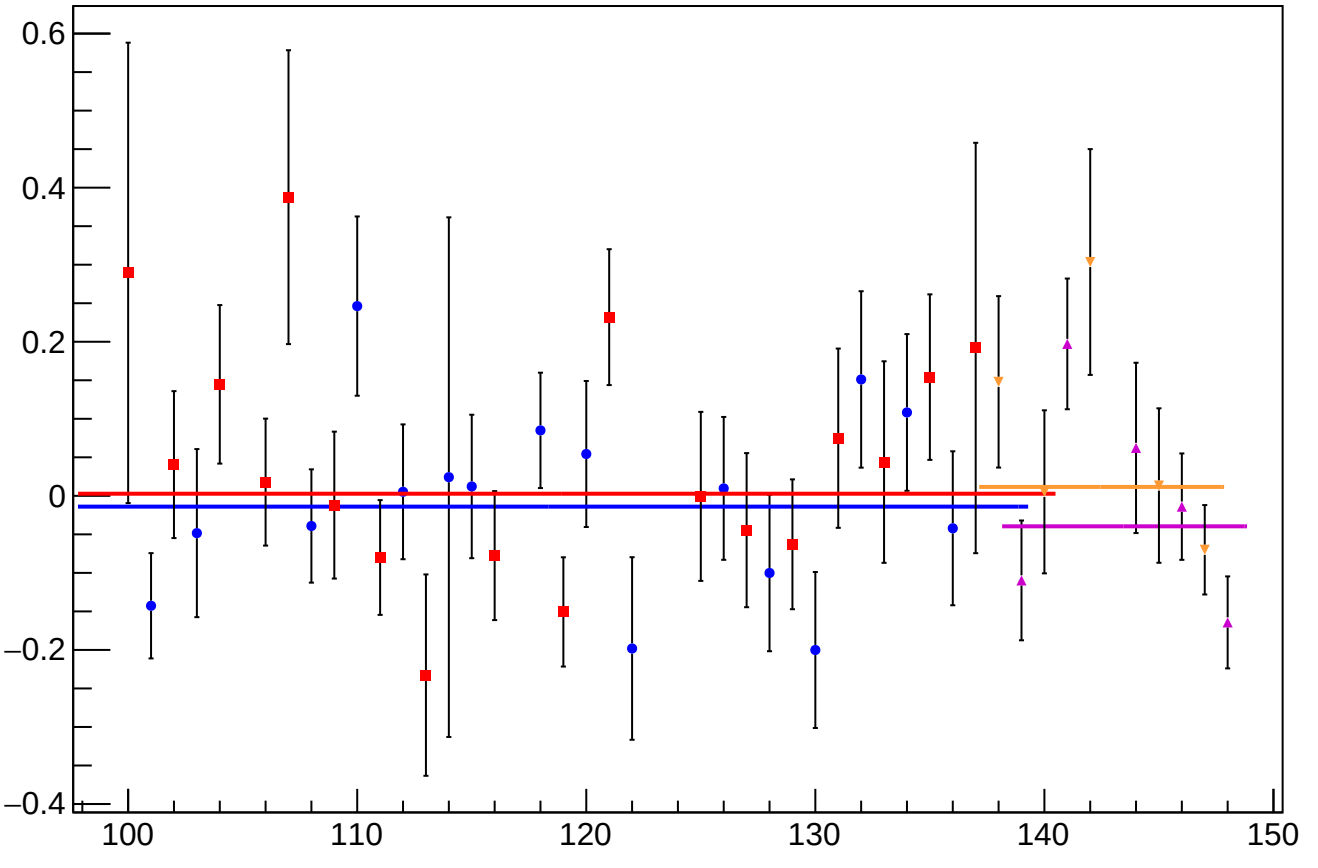
Left: 0.000+/-0.000 χ^2/NDF: 602348.4/9

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

In: 0.000+/-0.000 χ^2/NDF:2438800.5/20

Out: 0.000+/-0.000 χ^2/NDF:2796566.1/22

All: 0.000+/-0.000 χ^2/NDF: 5253910.3/43



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: -0.040+/-0.034 χ^2/NDF:14.0/4

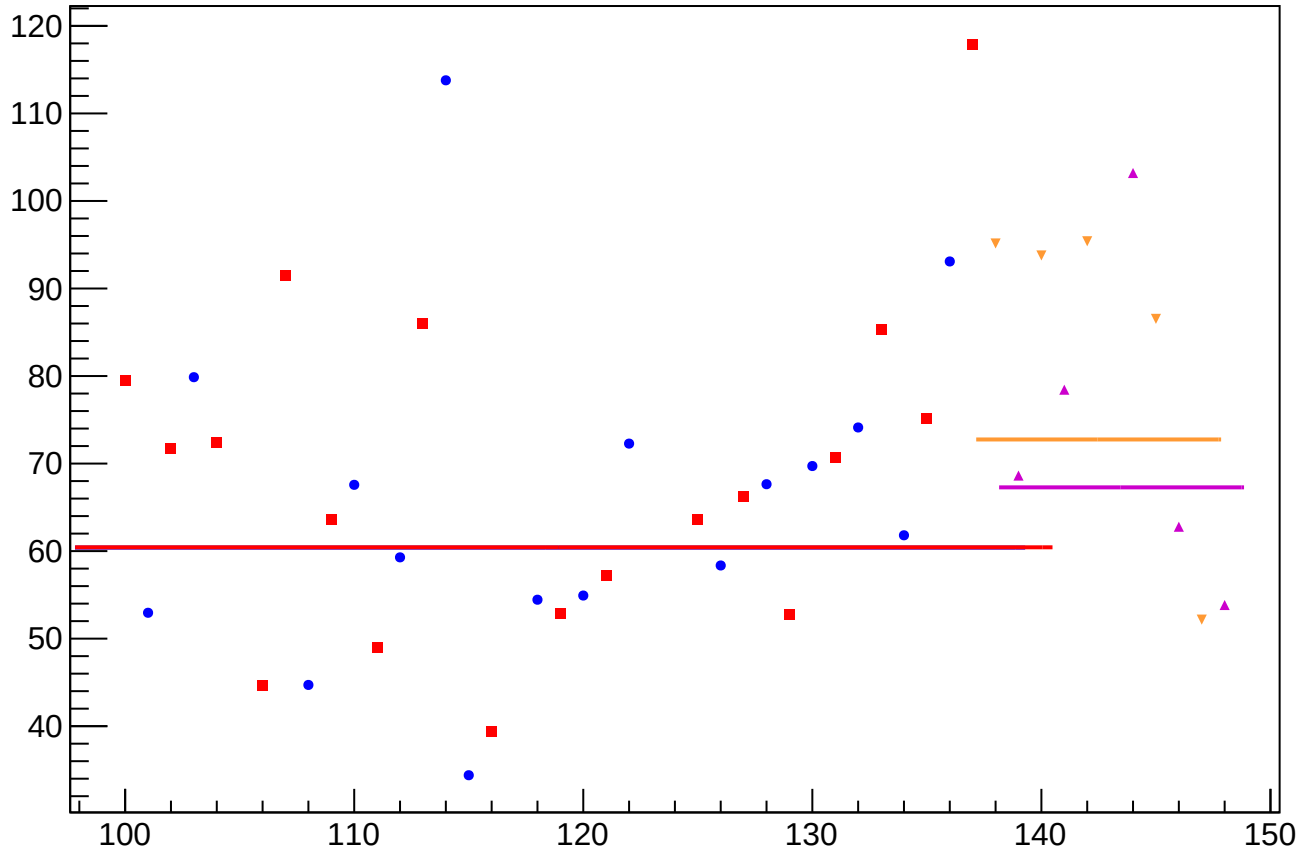
Left: -0.019+/-0.026 χ^2/NDF: 22.4/9

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.009+/-0.014 χ^2/NDF: 71.9/43



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

Left Out: 72.753+/-0.029 χ^2/NDF:497068.0/4

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

Left In: 67.282+/-0.024 χ^2/NDF:356200.7/4

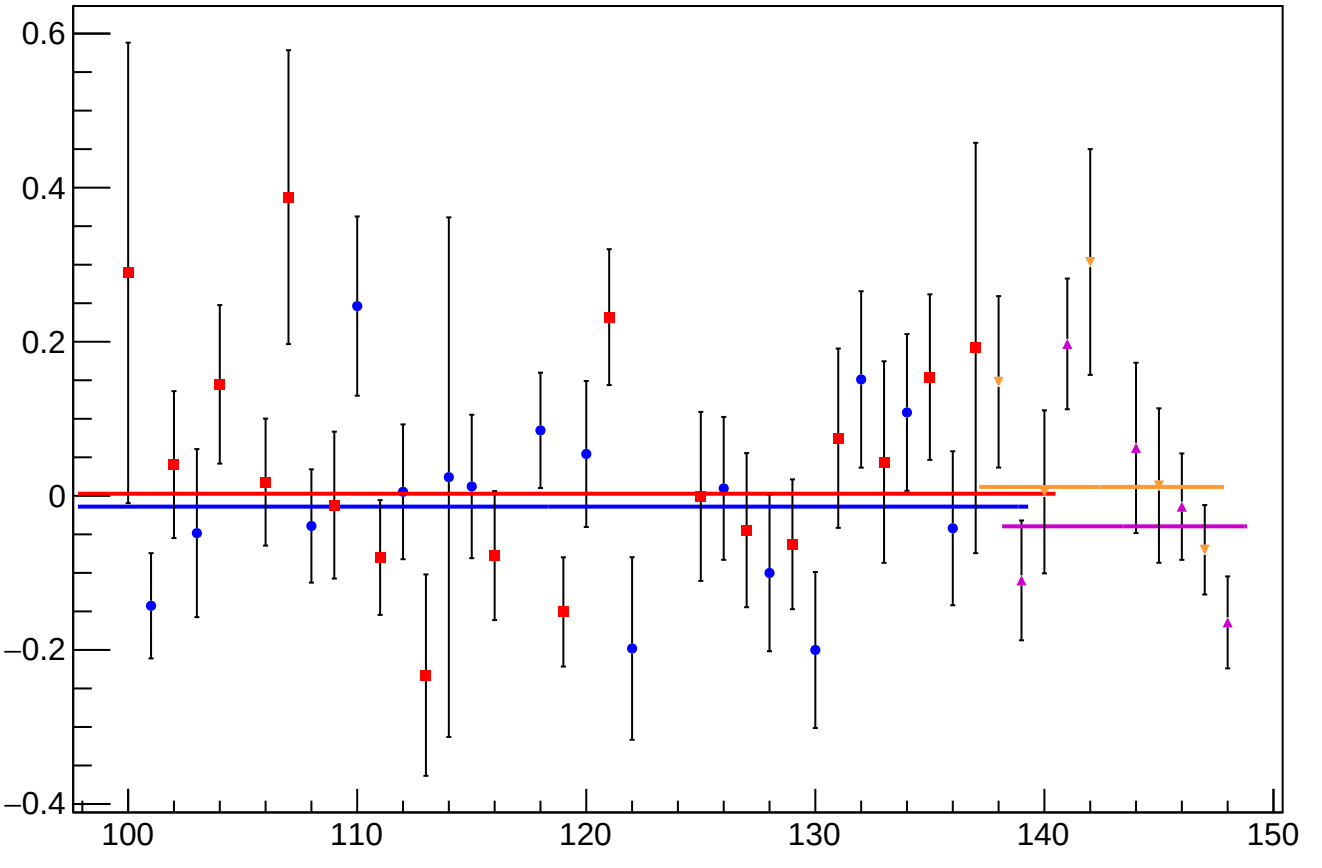
Left: 69.534+/-0.018 χ^2/NDF: 874872.8/9

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

In: 62.691+/-0.014 χ^2/NDF:1114755.3/20

Out: 63.609+/-0.014 χ^2/NDF:1346314.2/22

All: 63.126+/-0.010 χ^2/NDF: 2463176.1/43



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: -0.040+/-0.034 χ^2/NDF:14.0/4

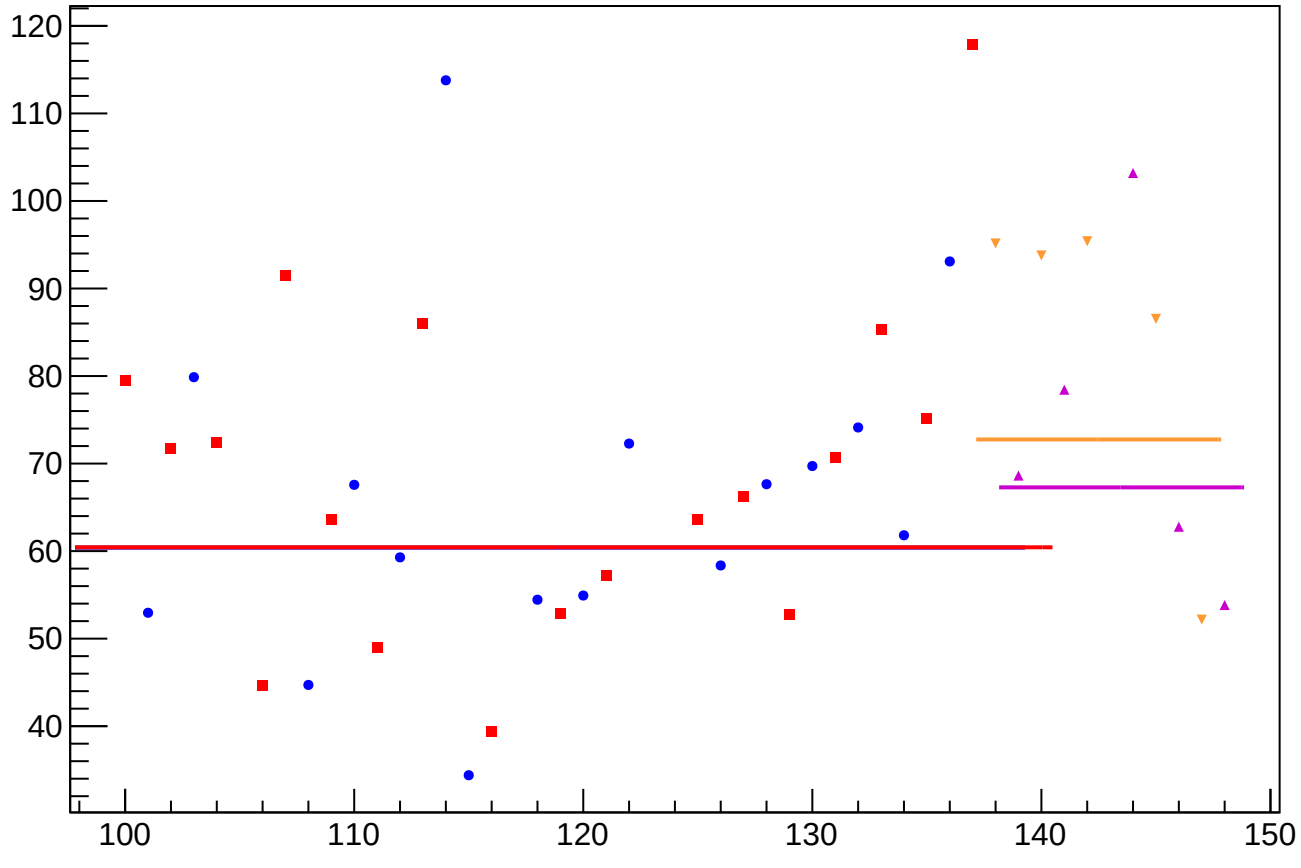
Left: -0.019+/-0.026 χ^2/NDF: 22.4/9

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.009+/-0.014 χ^2/NDF: 71.9/43



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

Left Out: 72.753+/-0.029 χ^2/NDF:497068.0/4

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

Left In: 67.282+/-0.024 χ^2/NDF:356200.7/4

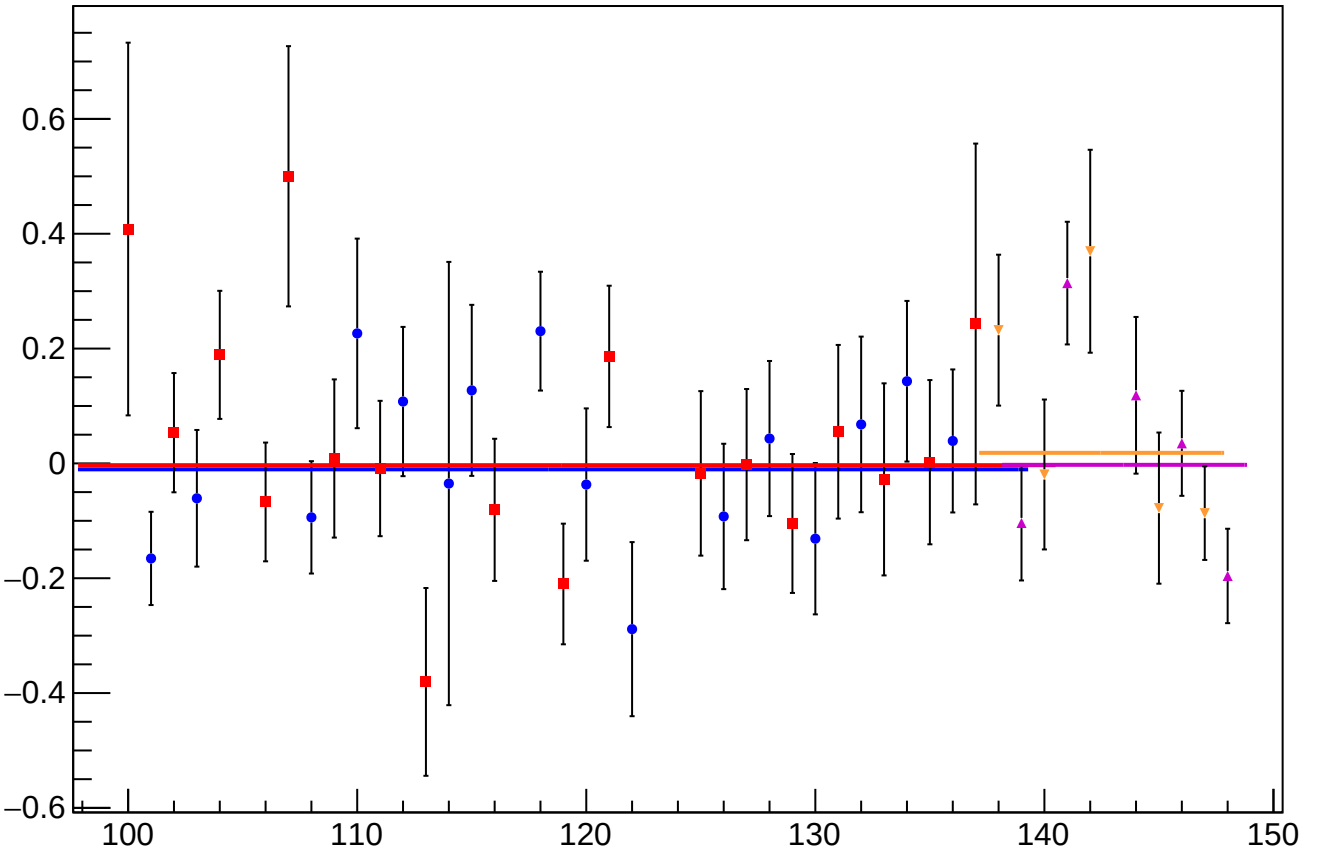
Left: 69.534+/-0.018 χ^2/NDF: 874872.8/9

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

In: 62.691+/-0.014 χ^2/NDF:1114755.3/20

Out: 63.609+/-0.014 χ^2/NDF:1346314.2/22

All: 63.126+/-0.010 χ^2/NDF: 2463176.1/43



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

Left Out: 0.018+/-0.053 χ^2/NDF:8.9/4

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

Left In: -0.002+/-0.044 χ^2/NDF:16.3/4

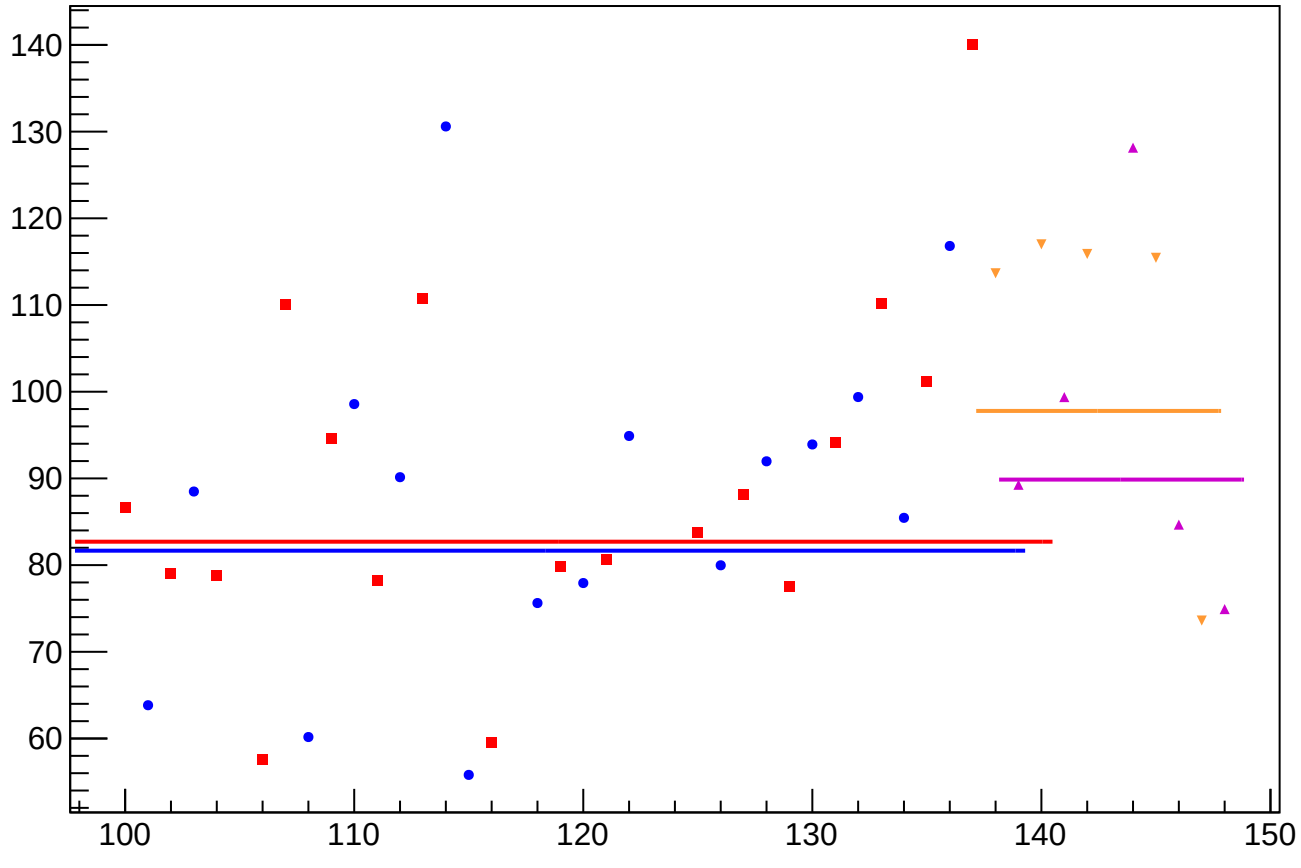
Left: 0.006+/-0.034 χ^2/NDF: 25.3/9

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

In: -0.008+/-0.026 χ^2/NDF:36.5/20

Out: 0.003+/-0.027 χ^2/NDF:32.7/22

All: -0.003+/-0.019 χ^2/NDF: 69.2/43



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

Left Out: 97.784+/-0.037 χ^2/NDF:305766.3/4

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

Left In: 89.864+/-0.031 χ^2/NDF:245835.2/4

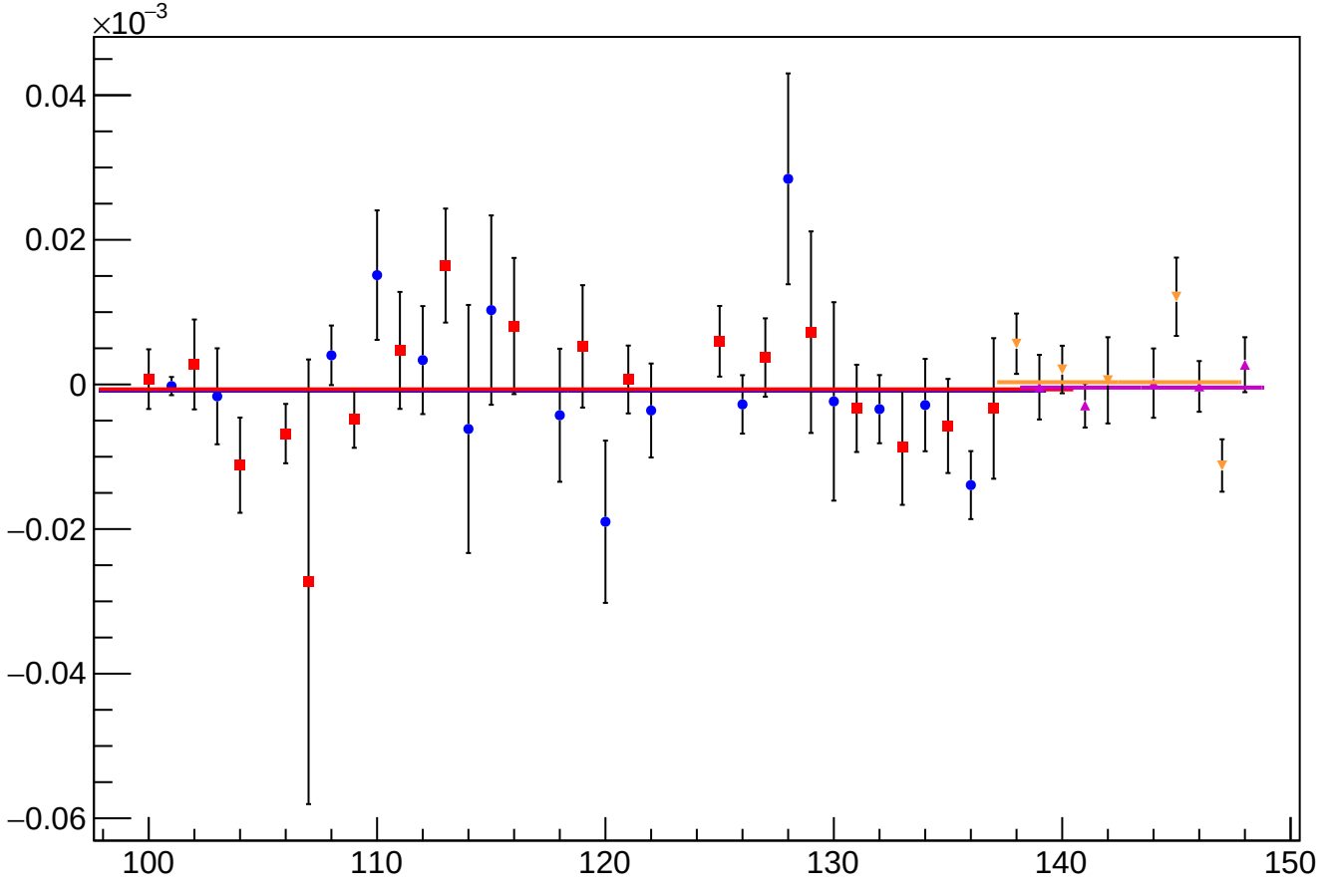
Left: 93.131+/-0.024 χ^2/NDF: 577920.2/9

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

In: 84.426+/-0.018 χ^2/NDF:853038.4/20

Out: 86.692+/-0.019 χ^2/NDF:898316.1/22

All: 85.496+/-0.013 χ^2/NDF: 1758669.2/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/4

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

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

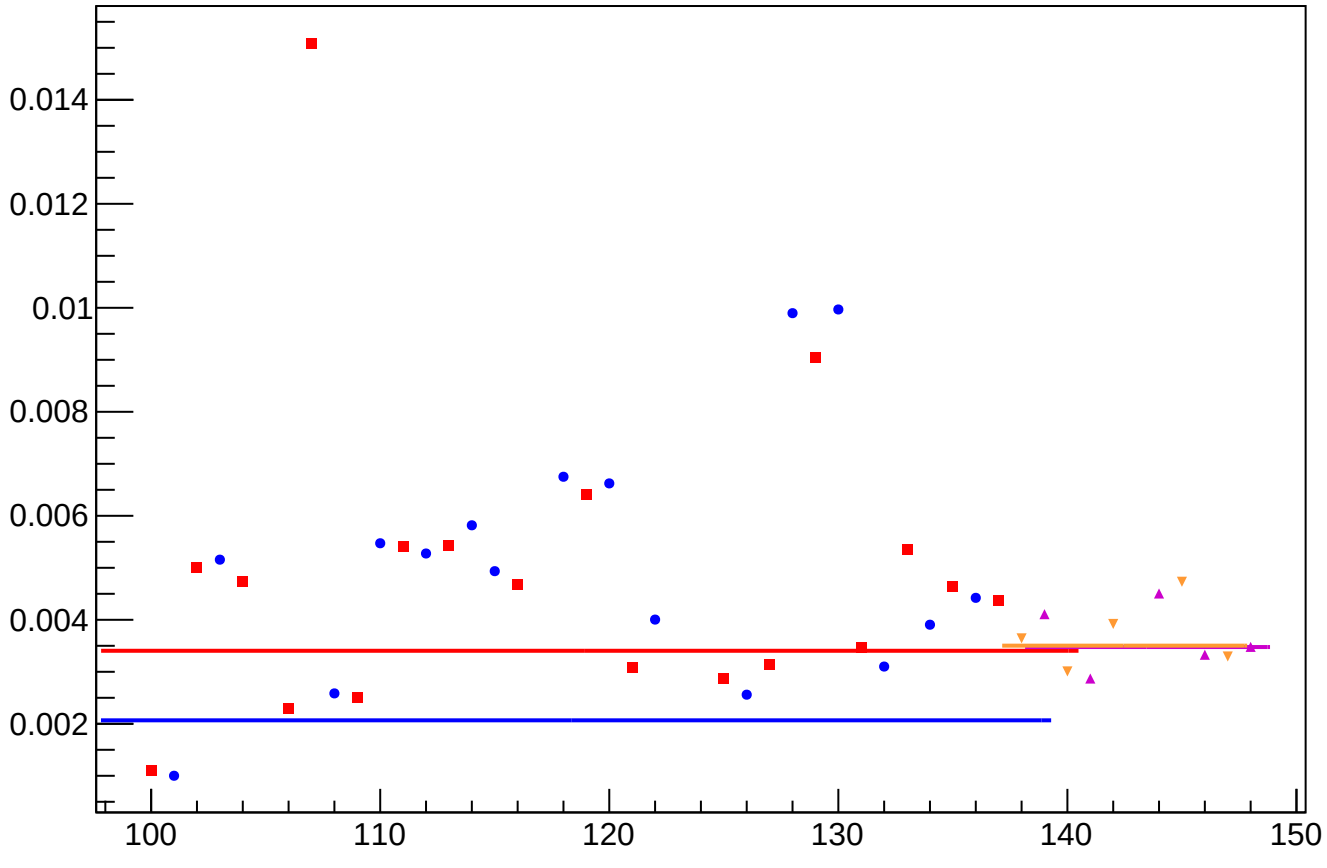
Left: -0.000+/-0.000 χ^2/NDF: 18.2/9

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

In: -0.000+/-0.000 χ^2/NDF:22.7/20

Out: -0.000+/-0.000 χ^2/NDF:35.3/22

All: -0.000+/-0.000 χ^2/NDF: 58.1/43



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

Left Out: 0.004+/-0.000 χ^2/NDF:167195.0/4

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

Left In: 0.003+/-0.000 χ^2/NDF:214169.3/4

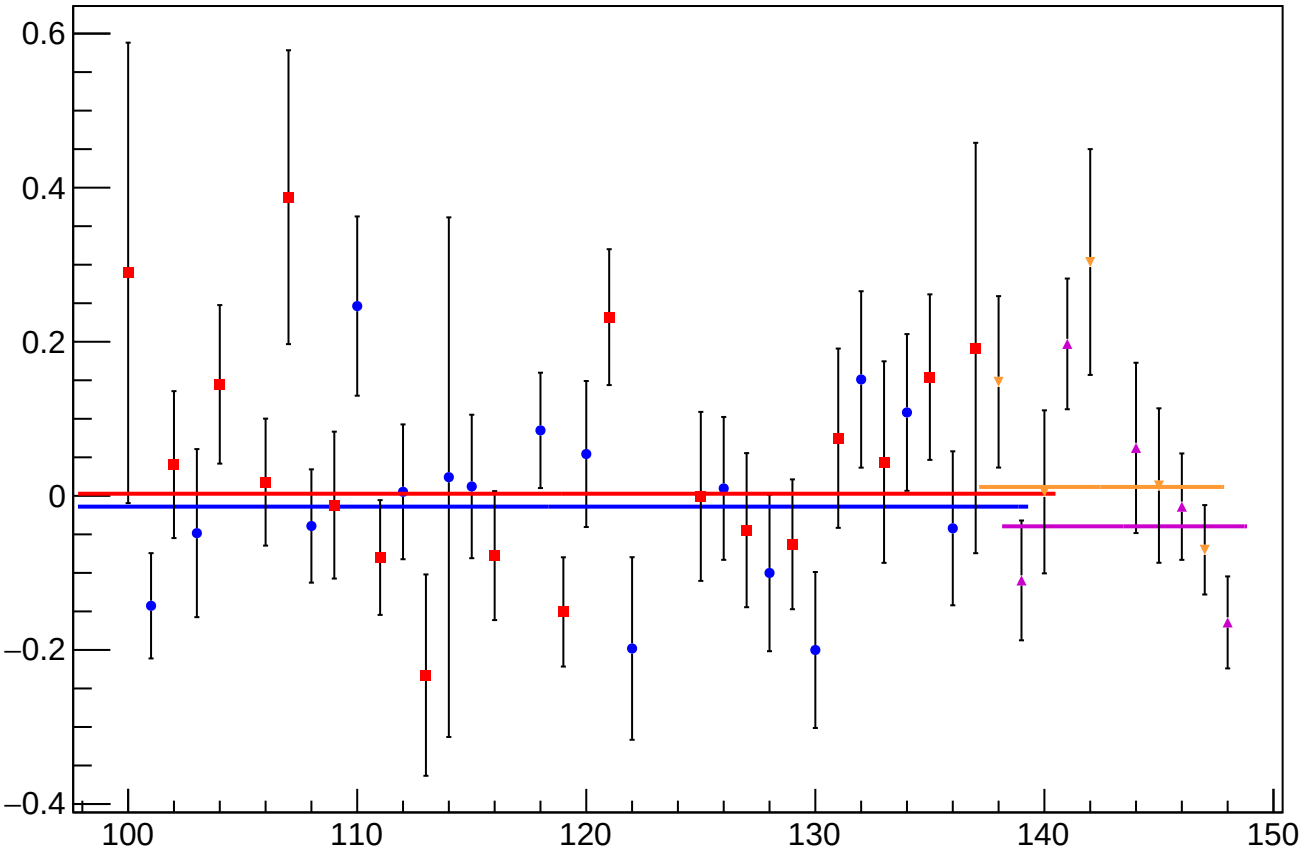
Left: 0.003+/-0.000 χ^2/NDF: 381589.3/9

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

In: 0.002+/-0.000 χ^2/NDF:7054807.5/20

Out: 0.003+/-0.000 χ^2/NDF:2662030.1/22

All: 0.003+/-0.000 χ^2/NDF: 10708795.8/43



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: -0.040+/-0.034 χ^2/NDF:14.0/4

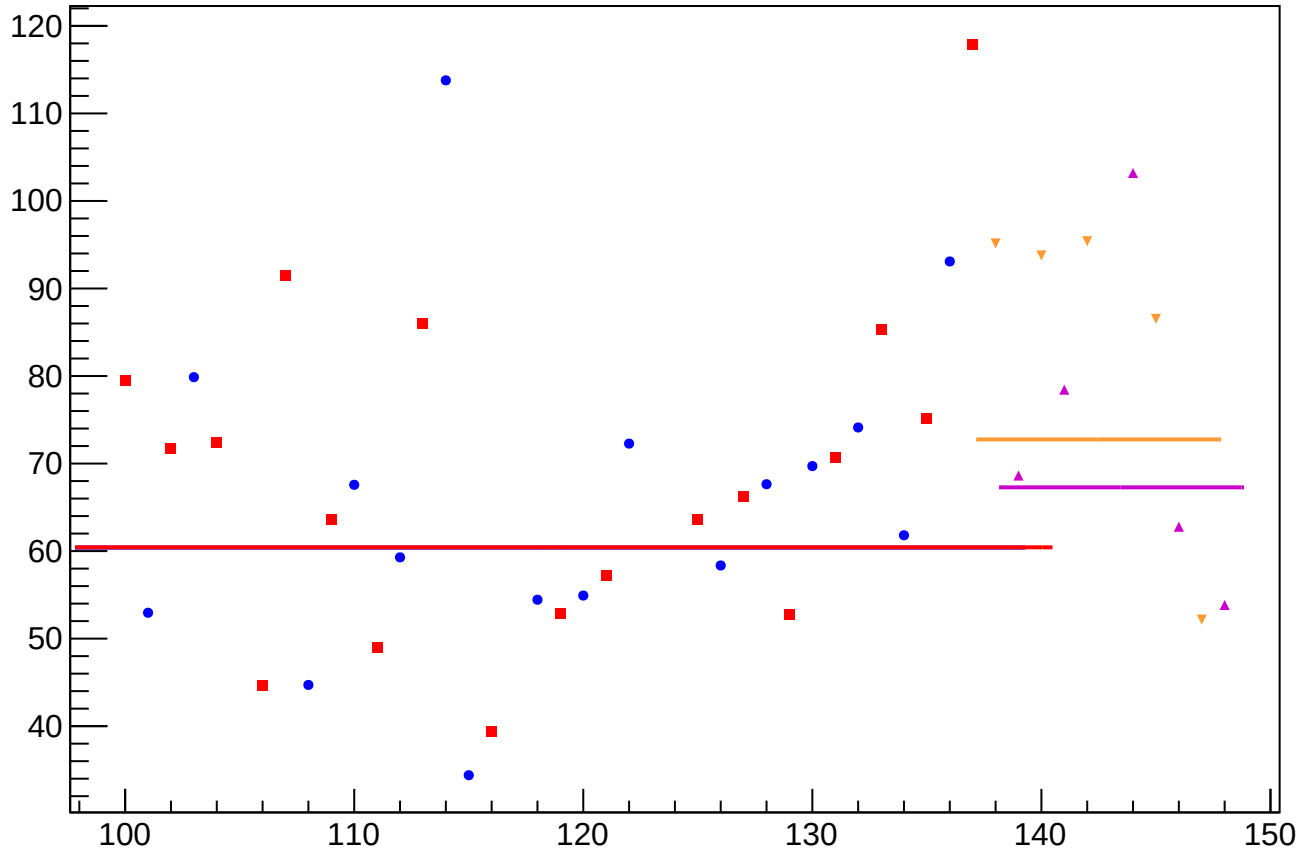
Left: -0.019+/-0.026 χ^2/NDF: 22.4/9

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.009+/-0.014 χ^2/NDF: 71.9/43



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

Left Out: 72.753+/-0.029 χ^2/NDF:497062.9/4

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

Left In: 67.282+/-0.024 χ^2/NDF:356197.3/4

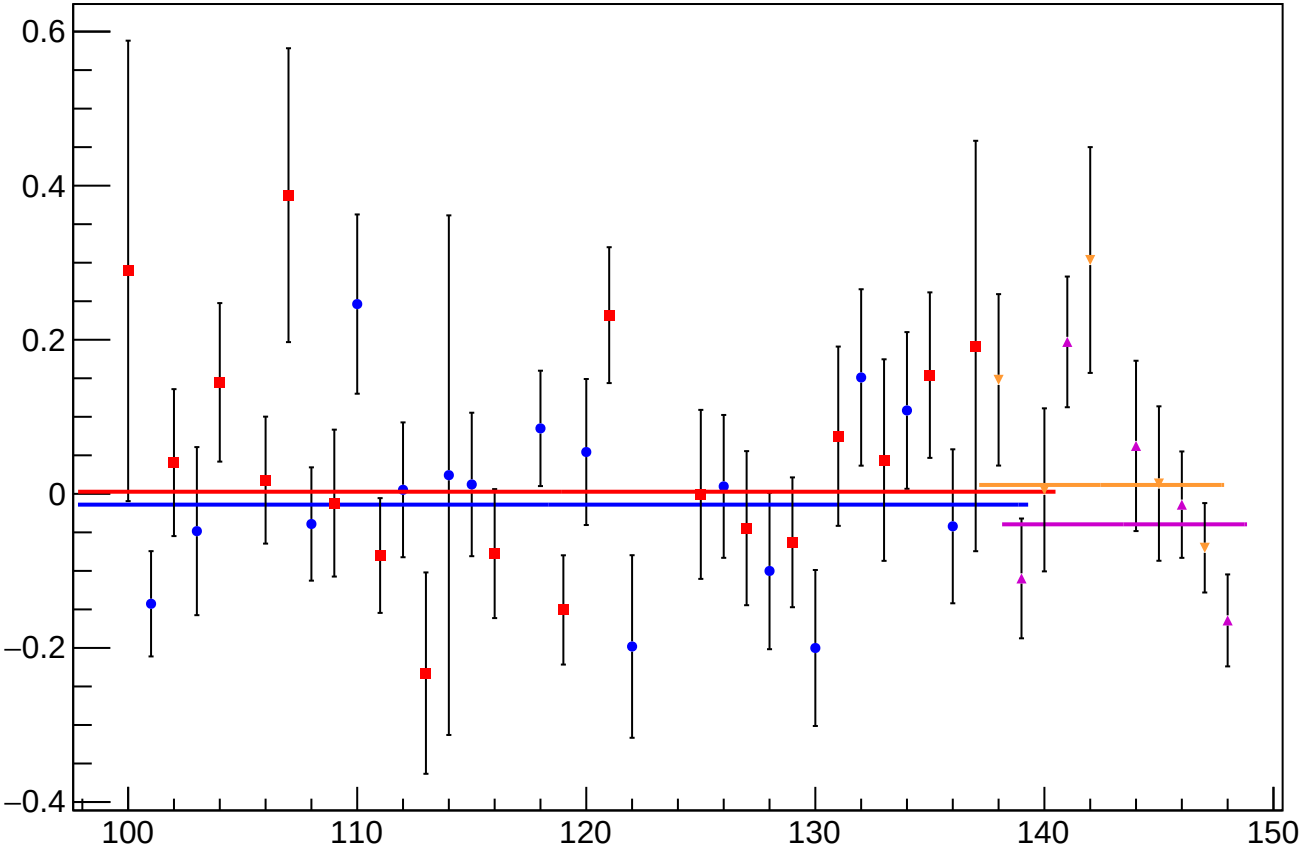
Left: 69.534+/-0.018 χ^2/NDF: 874864.2/9

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

In: 62.690+/-0.014 χ^2/NDF:1114790.8/20

Out: 63.607+/-0.014 χ^2/NDF:1346382.4/22

All: 63.125+/-0.010 χ^2/NDF: 2463278.0/43



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: -0.040+/-0.034 χ^2/NDF:14.0/4

Left: -0.019+/-0.026 χ^2/NDF: 22.4/9

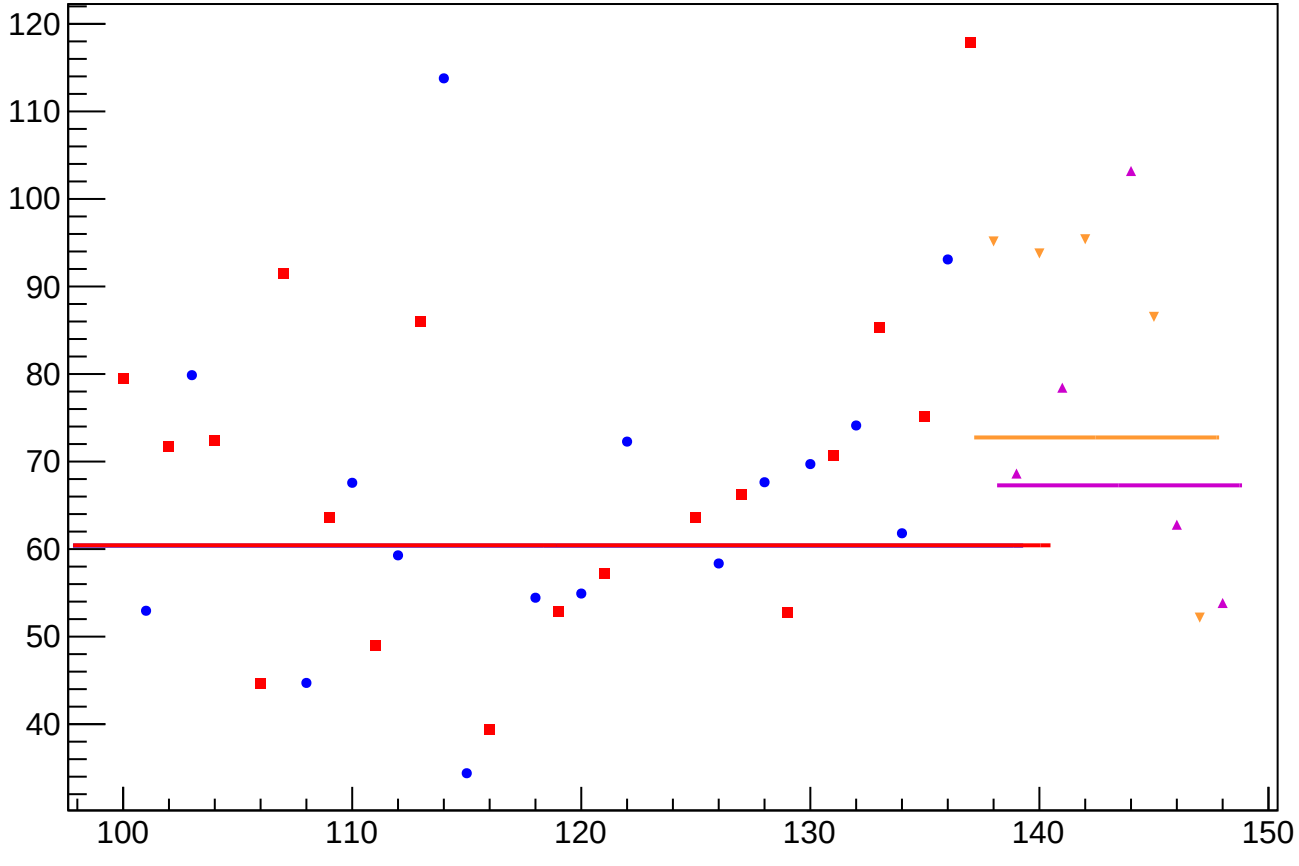
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.009+/-0.014 χ^2/NDF: 71.9/43

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: 72.753+/-0.029 χ^2/NDF:497062.9/4

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

Left In: 67.282+/-0.024 χ^2/NDF:356197.3/4

Left: 69.534+/-0.018 χ^2/NDF: 874864.2/9

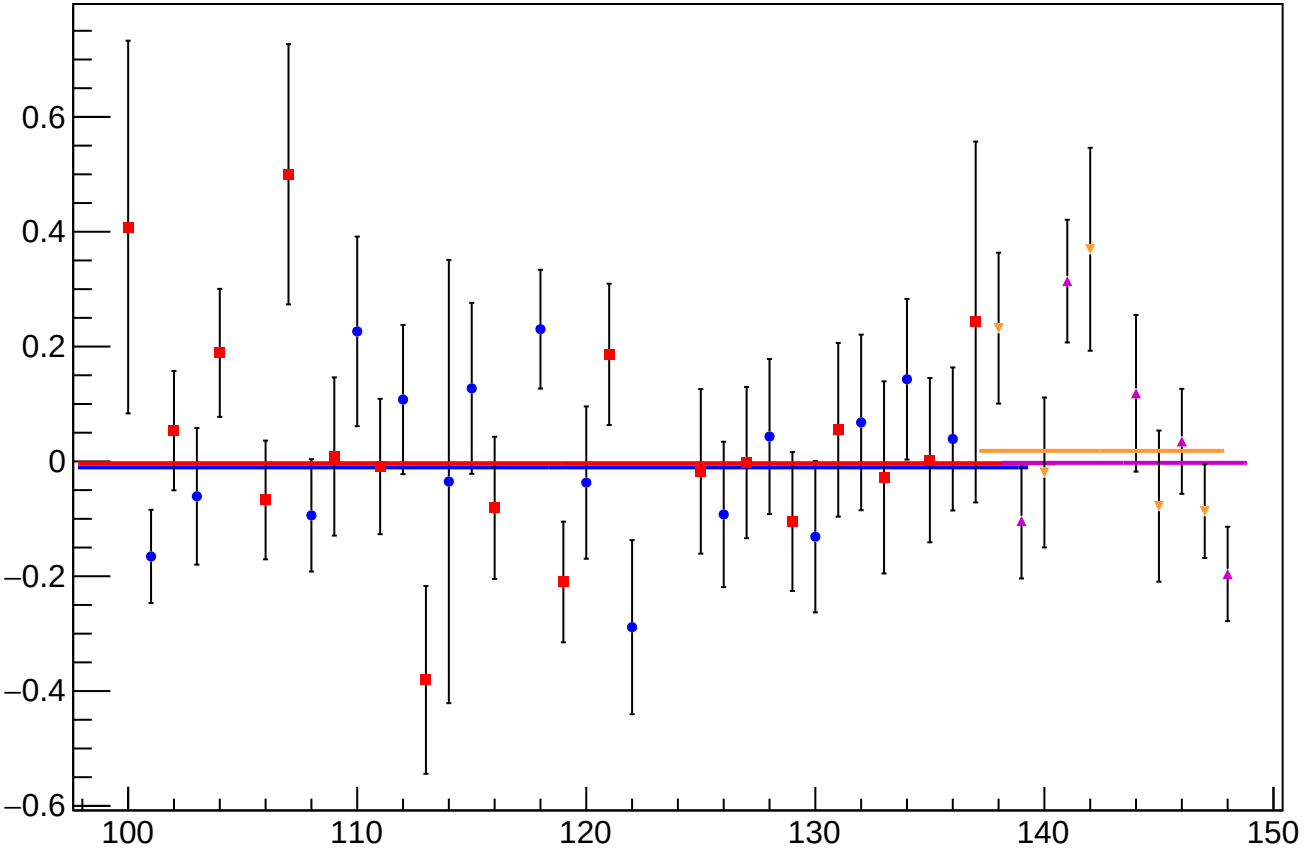
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 62.690+/-0.014 χ^2/NDF:1114790.8/20

Out: 63.607+/-0.014 χ^2/NDF:1346382.4/22

All: 63.125+/-0.010 χ^2/NDF: 2463278.0/43

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: 0.018+/-0.053 χ^2/NDF:8.9/4

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

Left In: -0.002+/-0.044 χ^2/NDF:16.3/4

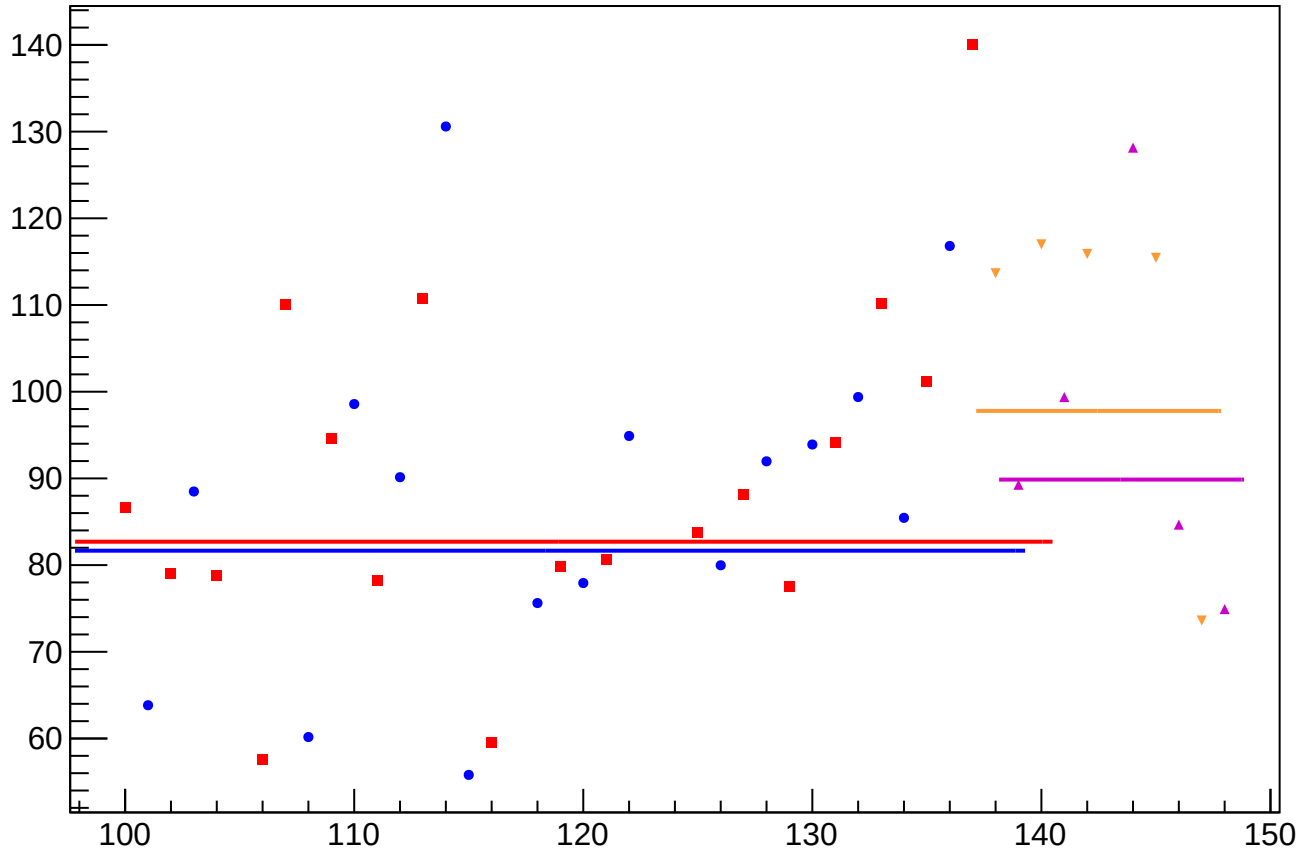
Left: 0.006+/-0.034 χ^2/NDF: 25.3/9

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

In: -0.008+/-0.026 χ^2/NDF:36.5/20

Out: 0.003+/-0.027 χ^2/NDF:32.7/22

All: -0.003+/-0.019 χ^2/NDF: 69.2/43



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

Left Out: 97.784+/-0.037 χ^2/NDF:305763.0/4

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

Left In: 89.864+/-0.031 χ^2/NDF:245833.6/4

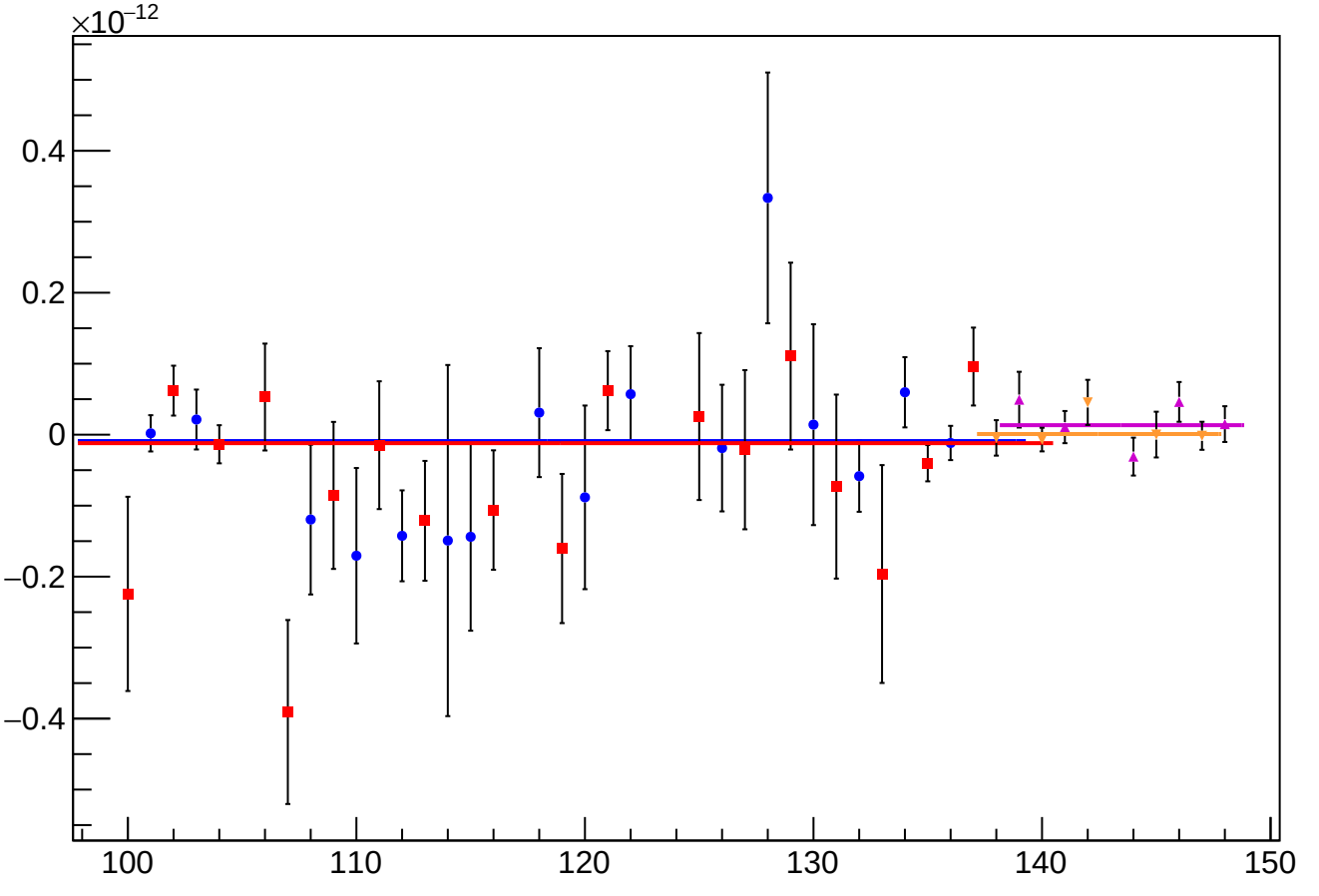
Left: 93.131+/-0.024 χ^2/NDF: 577914.8/9

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

In: 84.426+/-0.018 χ^2/NDF:853036.3/20

Out: 86.691+/-0.019 χ^2/NDF:898329.6/22

All: 85.495+/-0.013 χ^2/NDF: 1758678.9/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

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

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

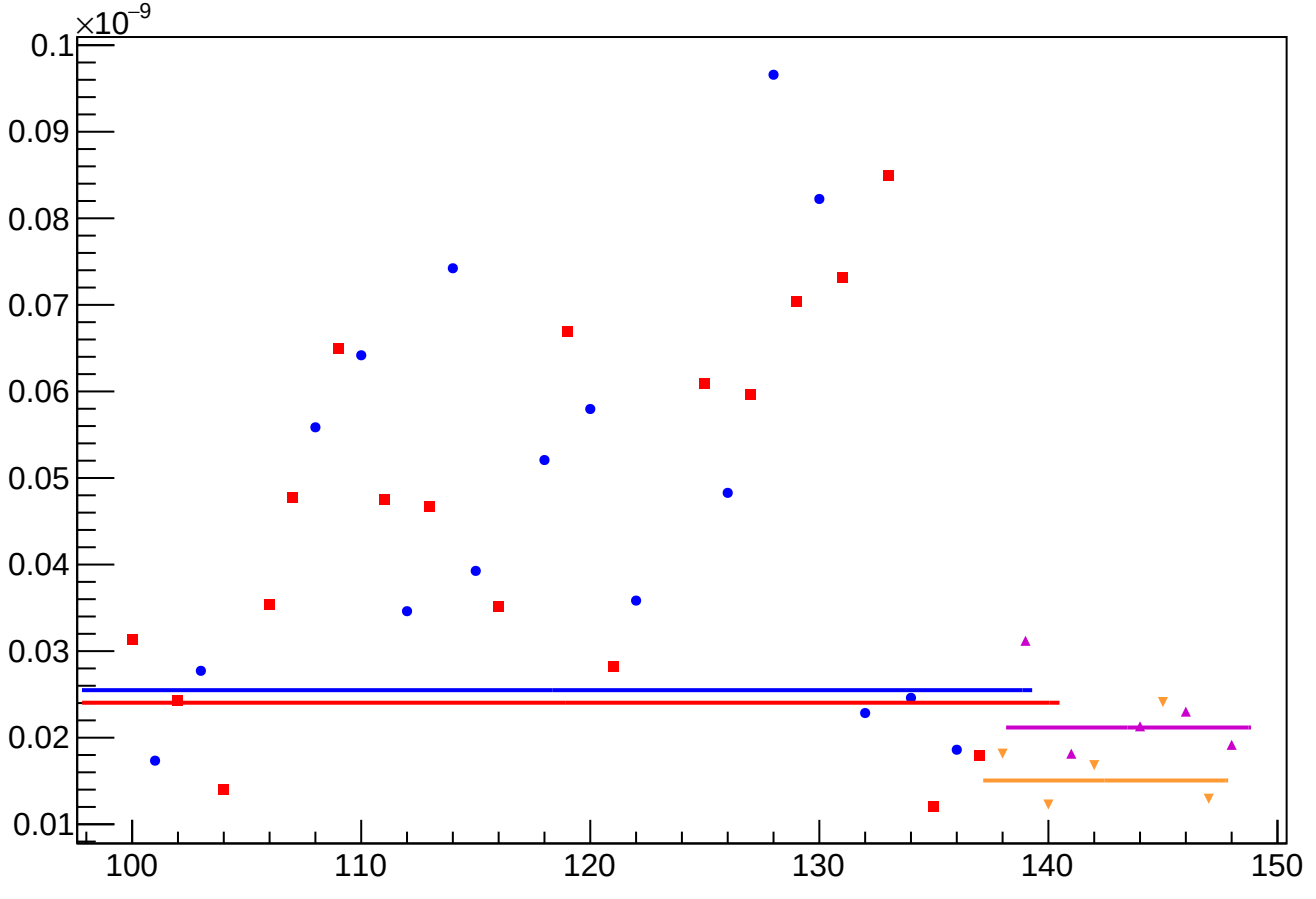
Left: 0.000+/-0.000 χ^2/NDF: 7.8/9

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

In: 0.000+/-0.000 χ^2/NDF:24.0/20

Out: -0.000+/-0.000 χ^2/NDF:33.9/22

All: -0.000+/-0.000 χ^2/NDF: 58.2/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:273697.3/4

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

Left In: 0.000+/-0.000 χ^2/NDF:187097.4/4

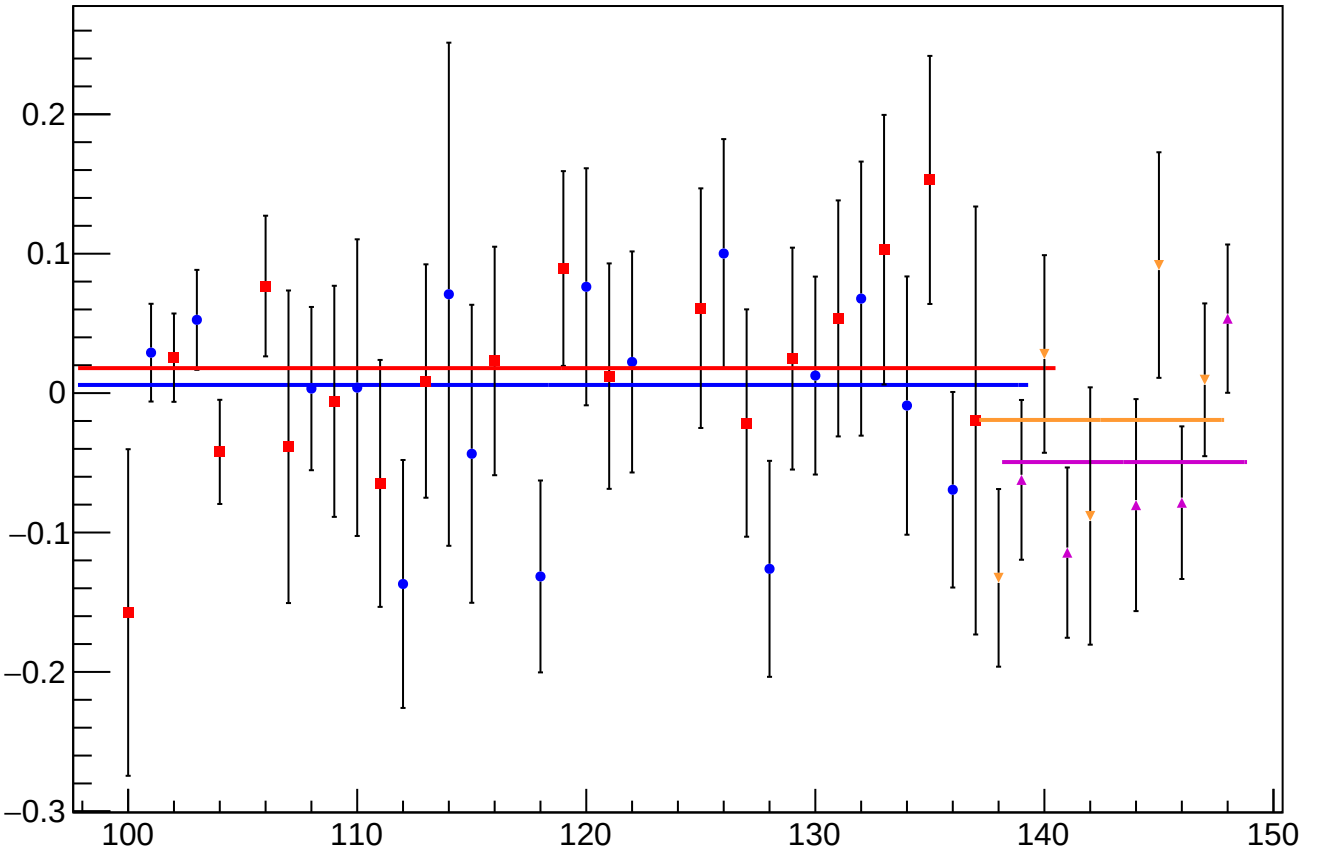
Left: 0.000+/-0.000 χ^2/NDF: 761815.7/9

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

In: 0.000+/-0.000 χ^2/NDF:2302771.1/20

Out: 0.000+/-0.000 χ^2/NDF:3930049.1/22

All: 0.000+/-0.000 χ^2/NDF: 6551608.0/43



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

Left Out: -0.019+/-0.031 χ^2/NDF:6.3/4

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

Left In: -0.049+/-0.026 χ^2/NDF:5.4/4

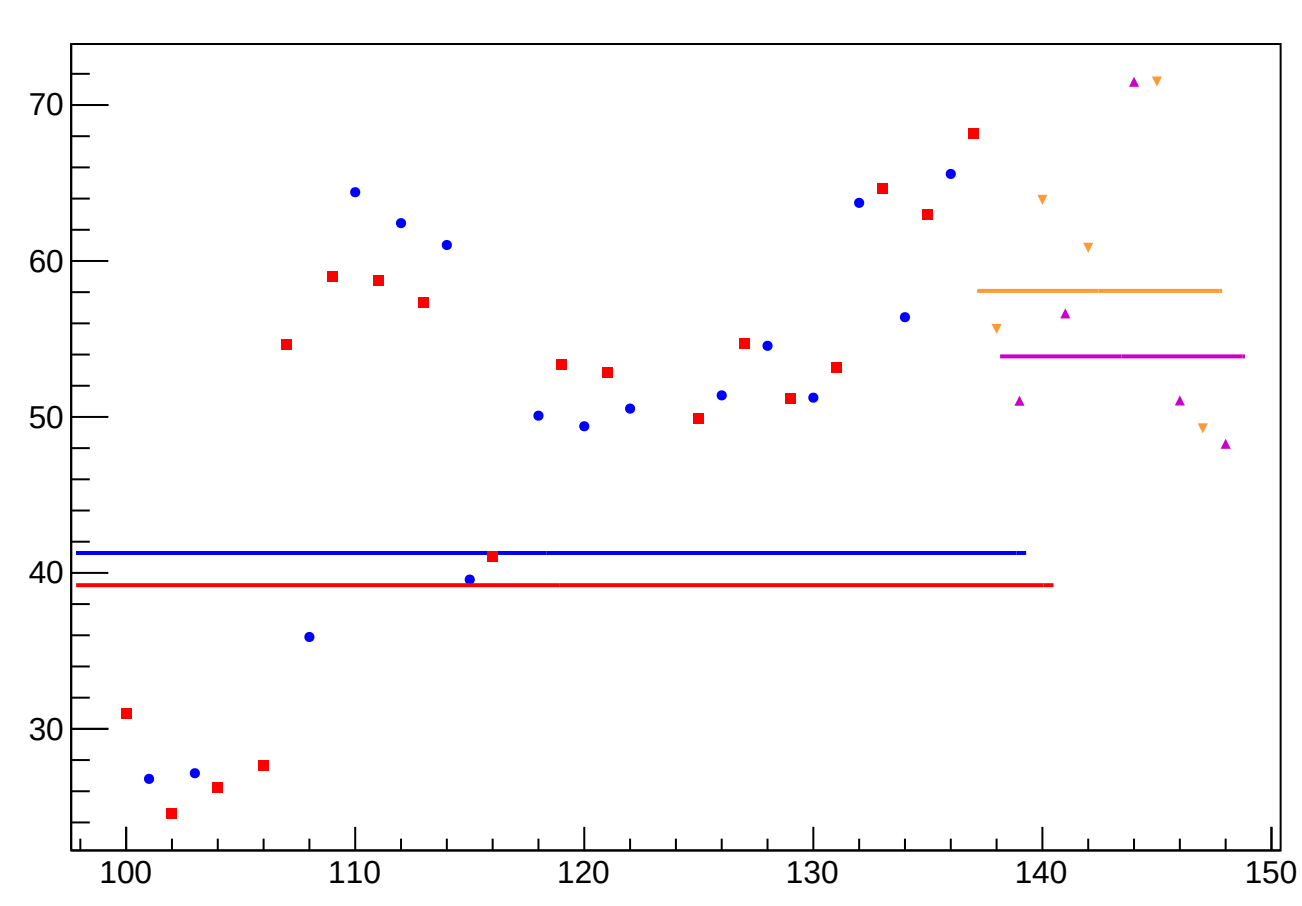
Left: -0.037+/-0.020 χ^2/NDF: 12.2/9

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.010+/-0.014 χ^2/NDF:24.1/20

Out: 0.010+/-0.014 χ^2/NDF:19.8/22

All: 0.000+/-0.010 χ^2/NDF: 44.9/43



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

Left Out: 58.082+/-0.022 χ^2/NDF:125061.6/4

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

Left In: 53.882+/-0.019 χ^2/NDF:143757.2/4

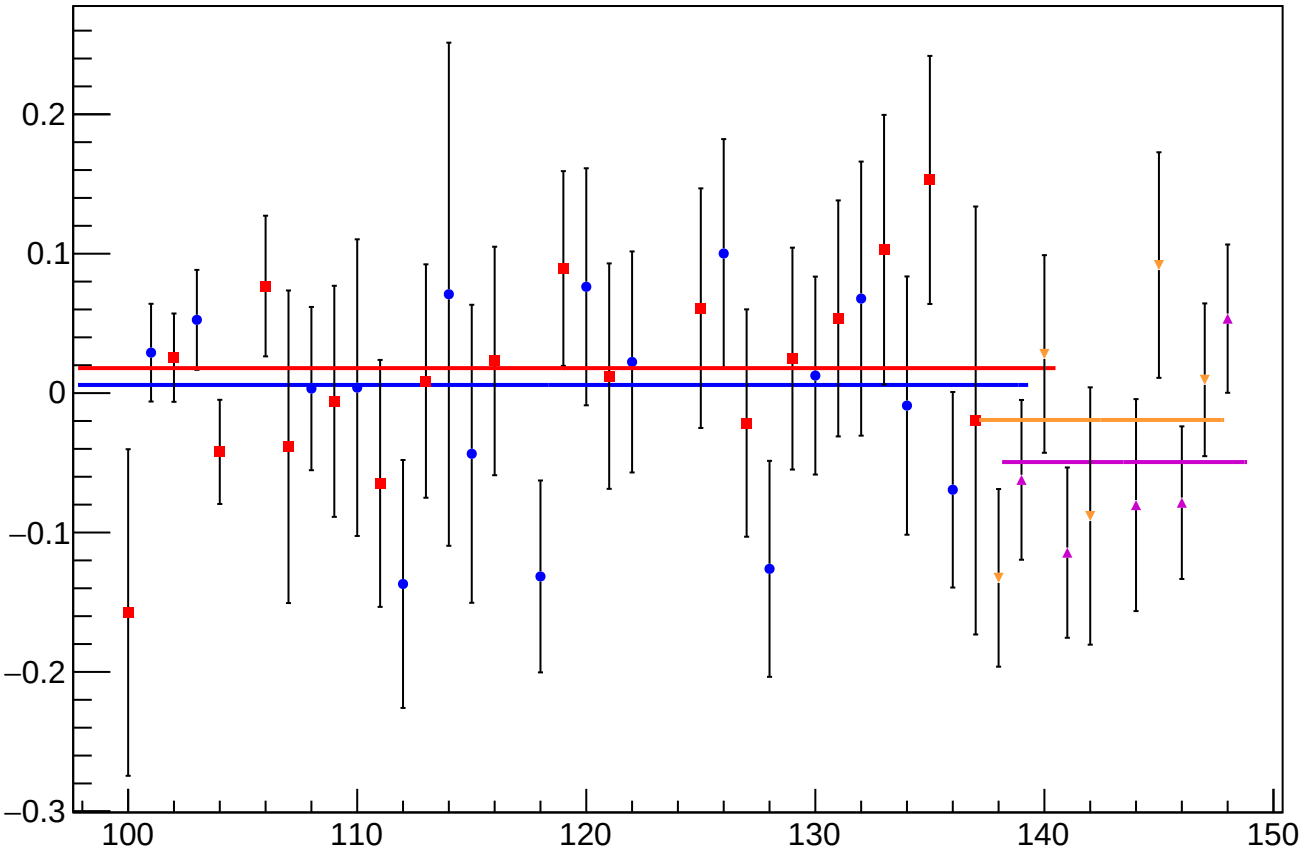
Left: 55.657+/-0.014 χ^2/NDF: 290178.3/9

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

In: 44.822+/-0.010 χ^2/NDF:1976243.8/20

Out: 43.101+/-0.010 χ^2/NDF:2537837.9/22

All: 43.962+/-0.007 χ^2/NDF: 4529155.5/43



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

Left Out: -0.019+/-0.031 χ^2/NDF:6.3/4

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

Left In: -0.049+/-0.026 χ^2/NDF:5.4/4

Left: -0.037+/-0.020 χ^2/NDF: 12.2/9

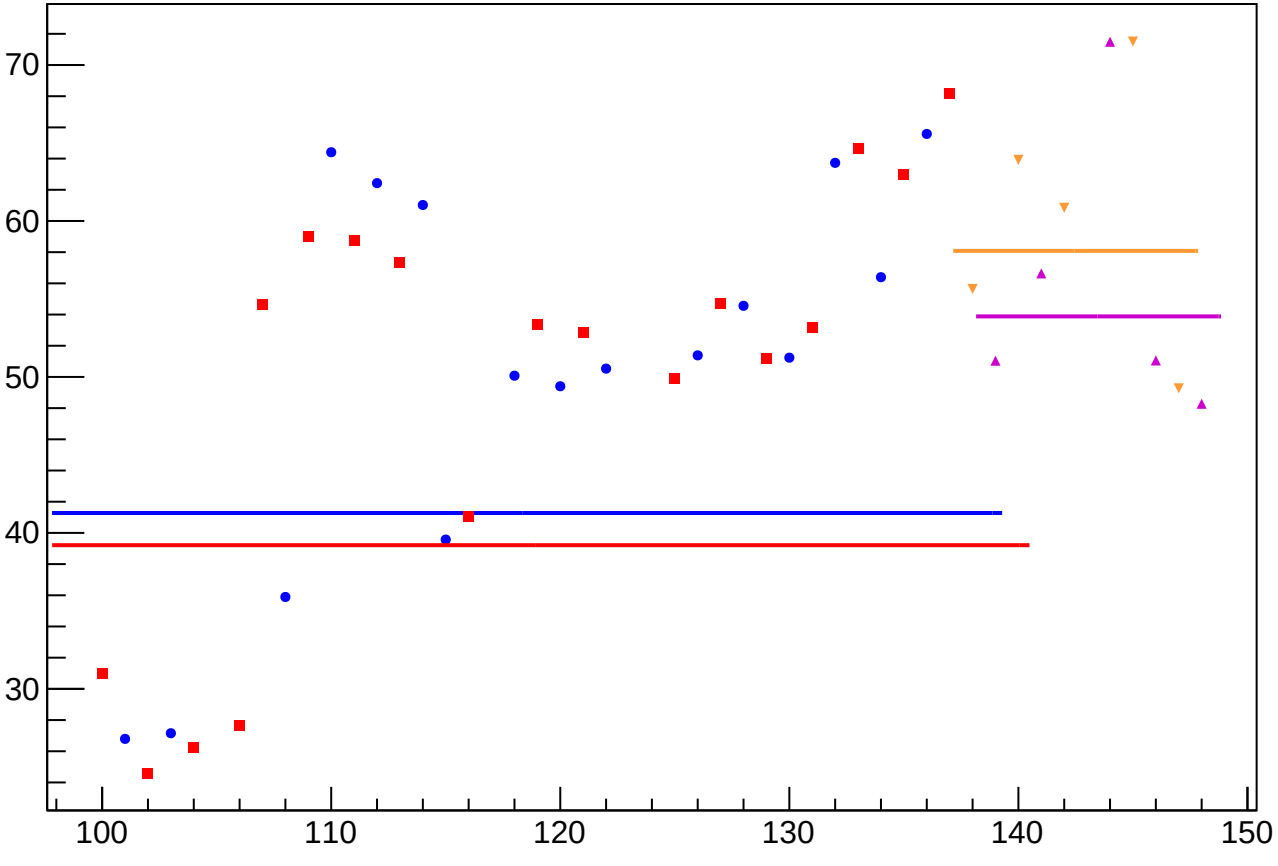
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.010+/-0.014 χ^2/NDF:24.1/20

Out: 0.010+/-0.014 χ^2/NDF:19.8/22

All: 0.000+/-0.010 χ^2/NDF: 44.9/43

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 58.082+/-0.022 χ^2/NDF:125061.6/4

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

Left In: 53.882+/-0.019 χ^2/NDF:143757.2/4

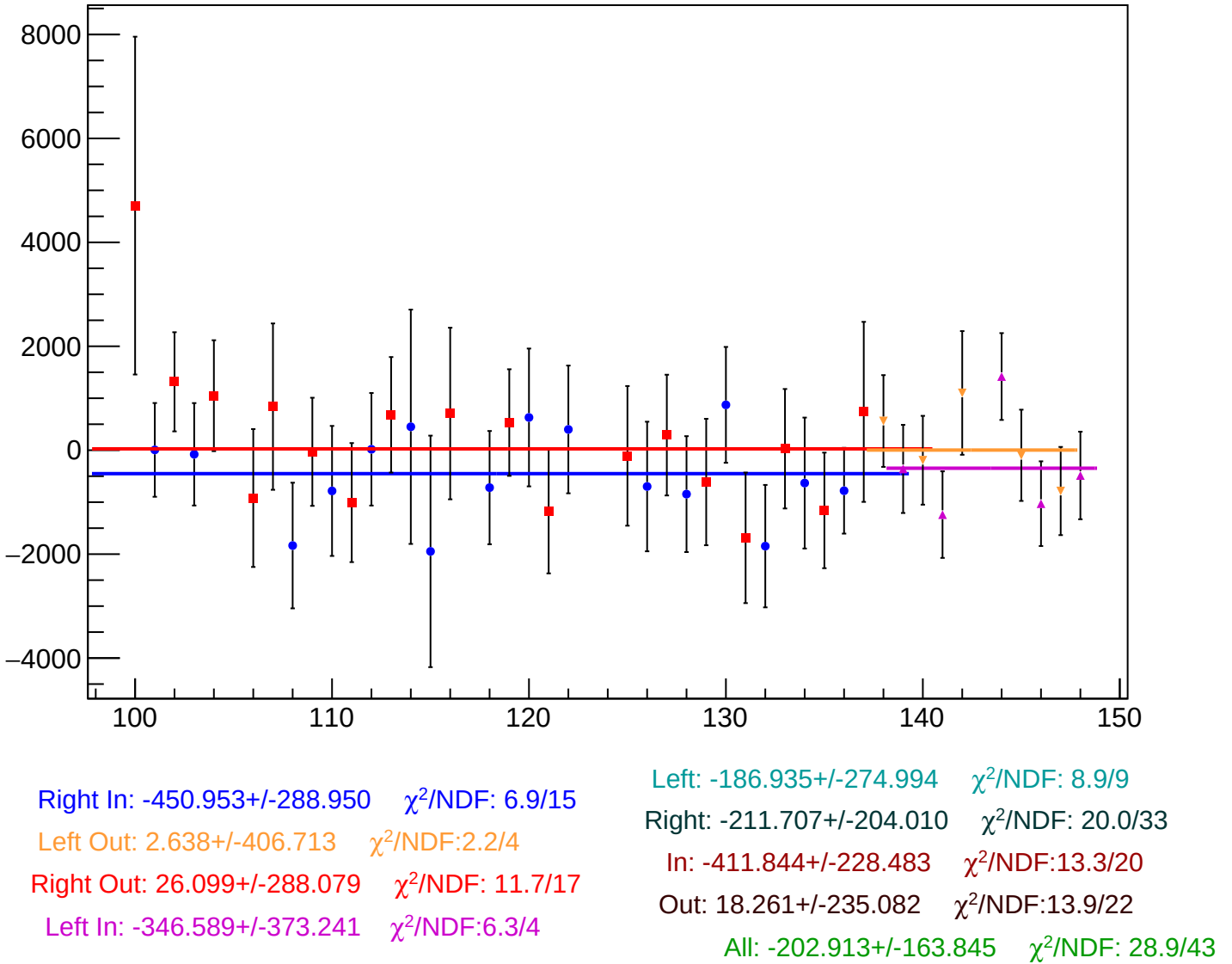
Left: 55.657+/-0.014 χ^2/NDF: 290178.3/9

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

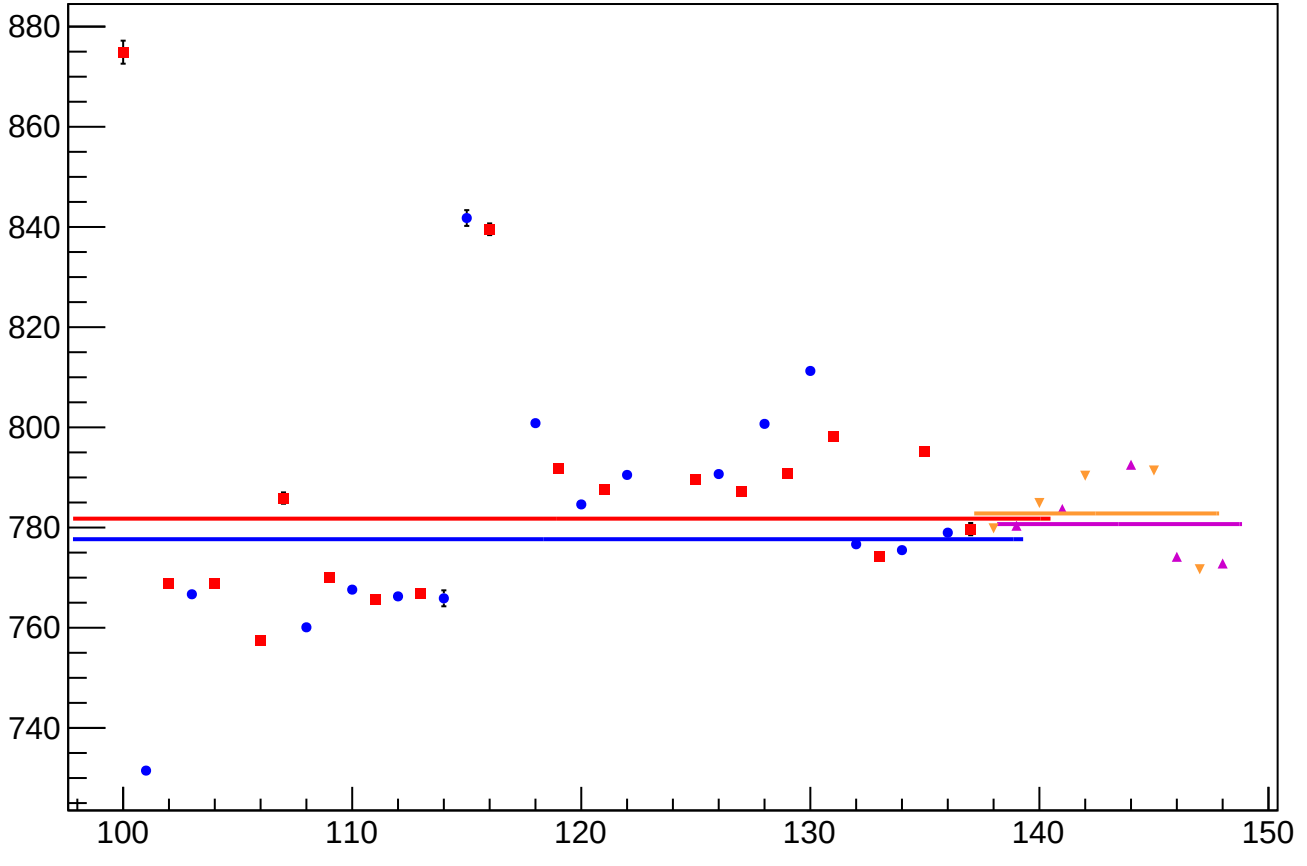
In: 44.822+/-0.010 χ^2/NDF:1976243.8/20

Out: 43.101+/-0.010 χ^2/NDF:2537837.9/22

All: 43.962+/-0.007 χ^2/NDF: 4529155.5/43


reg_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: 2.638+/-406.713 χ²/NDF:2.2/4
Right Out: 26.099+/-288.079 χ²/NDF: 11.7/17
Left In: -346.589+/-373.241 χ²/NDF:6.3/4
Left: -186.935+/-274.994 χ²/NDF: 8.9/9
Right: -211.707+/-204.010 χ²/NDF: 20.0/33
In: -411.844+/-228.483 χ²/NDF:13.3/20
Out: 18.261+/-235.082 χ²/NDF:13.9/22
All: -202.913+/-163.845 χ²/NDF: 28.9/43

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

Left In: 780.691+/-0.264 χ^2/NDF:731.2/4

Left: 781.662+/-0.194 χ^2/NDF: 1411.2/9

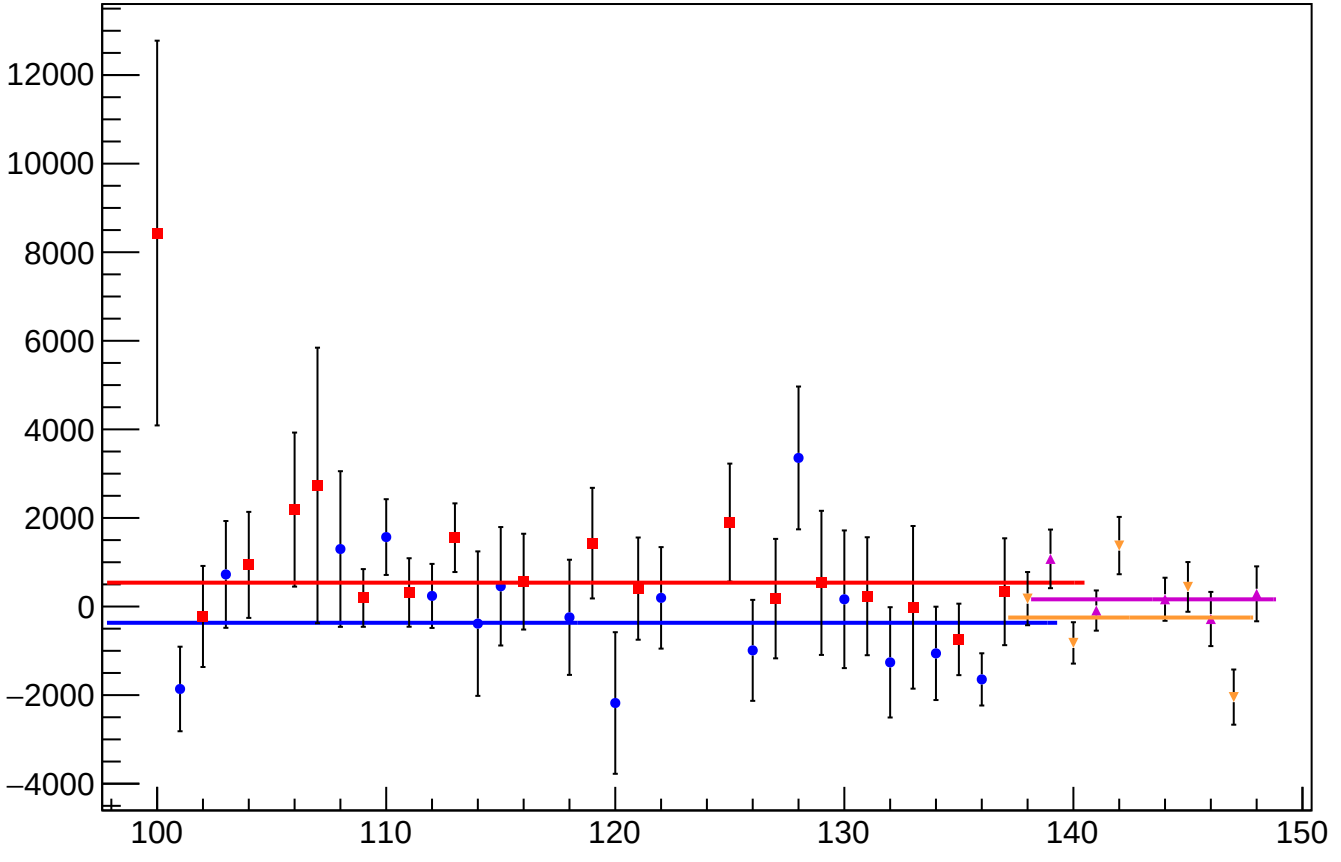
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 778.805+/-0.162 χ^2/NDF:12868.3/20

Out: 782.123+/-0.166 χ^2/NDF:8285.3/22

All: 780.417+/-0.116 χ^2/NDF: 21358.6/43

asym_us_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

Left In: 162.606+/-245.126 χ^2/NDF:2.8/4

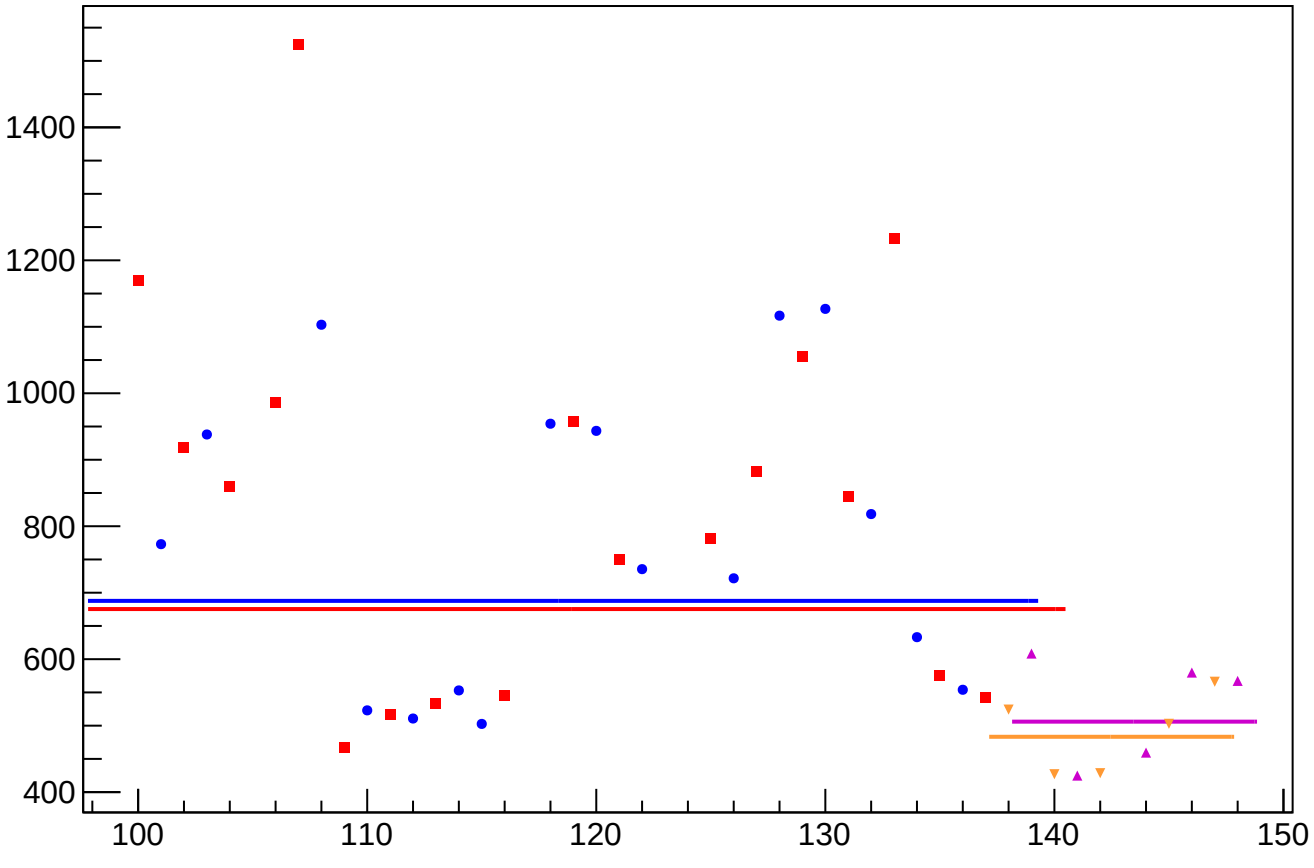
Left: -35.503+/-176.413 χ^2/NDF: 22.3/9

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

In: -79.919+/-180.475 χ^2/NDF:28.2/20

Out: 131.835+/-182.705 χ^2/NDF:34.5/22

All: 24.658+/-128.396 χ^2/NDF: 63.4/43



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

Left: 495.061+/-0.125 χ^2/NDF: 277616.0/9

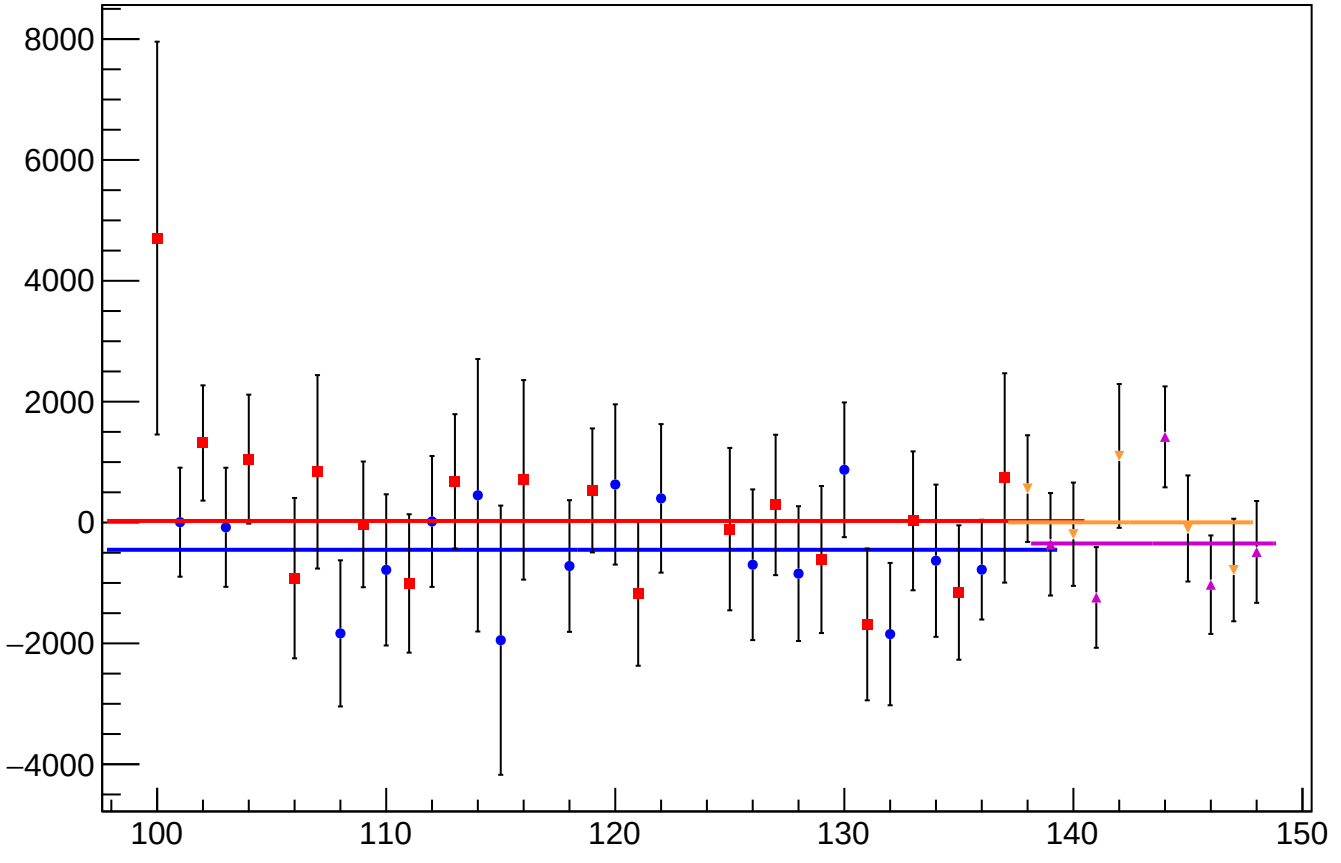
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 589.233+/-0.128 χ^2/NDF:1713903.0/20

Out: 576.061+/-0.129 χ^2/NDF:1955753.2/22

All: 582.728+/-0.091 χ^2/NDF: 3674917.7/43

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

Left In: -346.589+/-373.241 χ^2/NDF:6.3/4

Left: -186.935+/-274.994 χ^2/NDF: 8.9/9

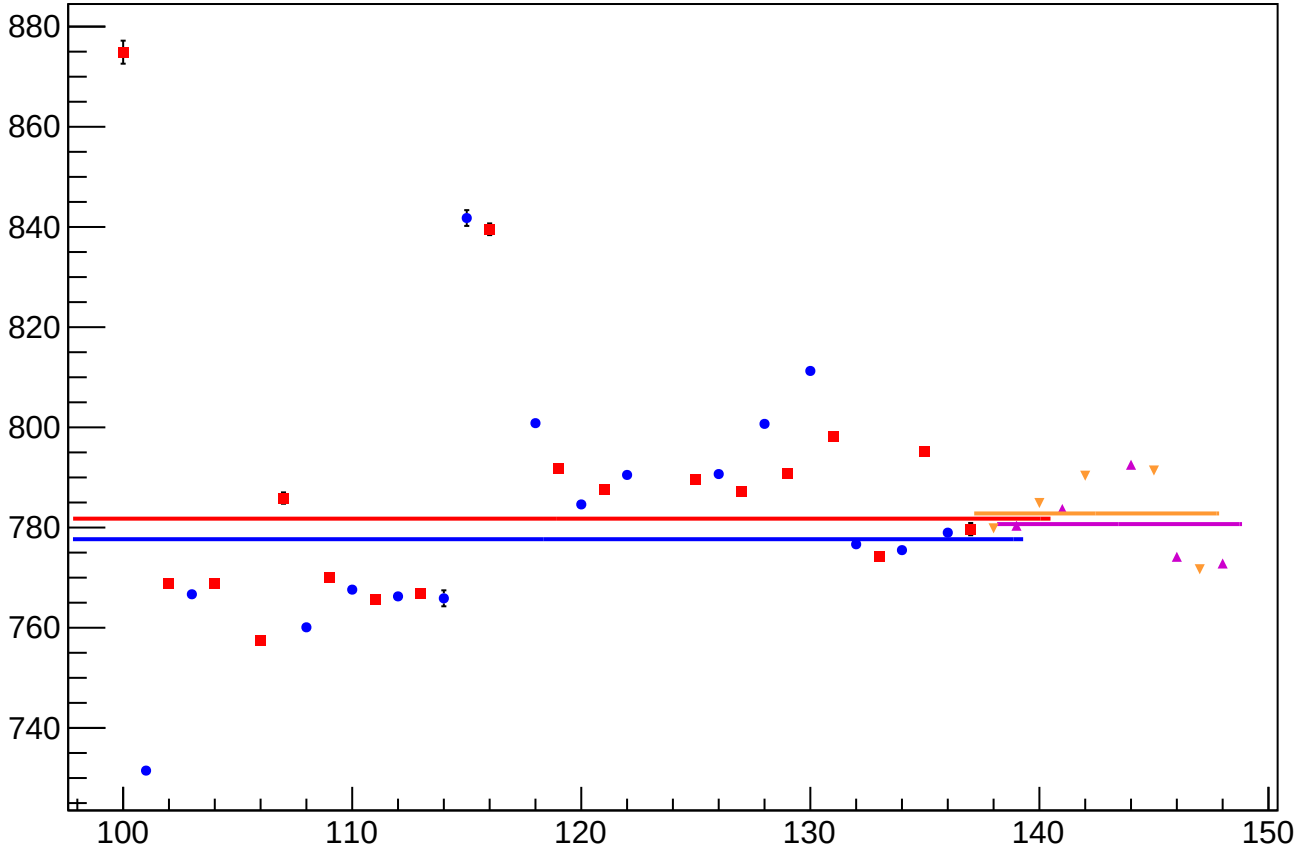
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -411.844+/-228.483 χ^2/NDF:13.3/20

Out: 18.261+/-235.082 χ^2/NDF:13.9/22

All: -202.913+/-163.845 χ^2/NDF: 28.9/43

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

Left In: 780.691+/-0.264 χ^2/NDF:731.2/4

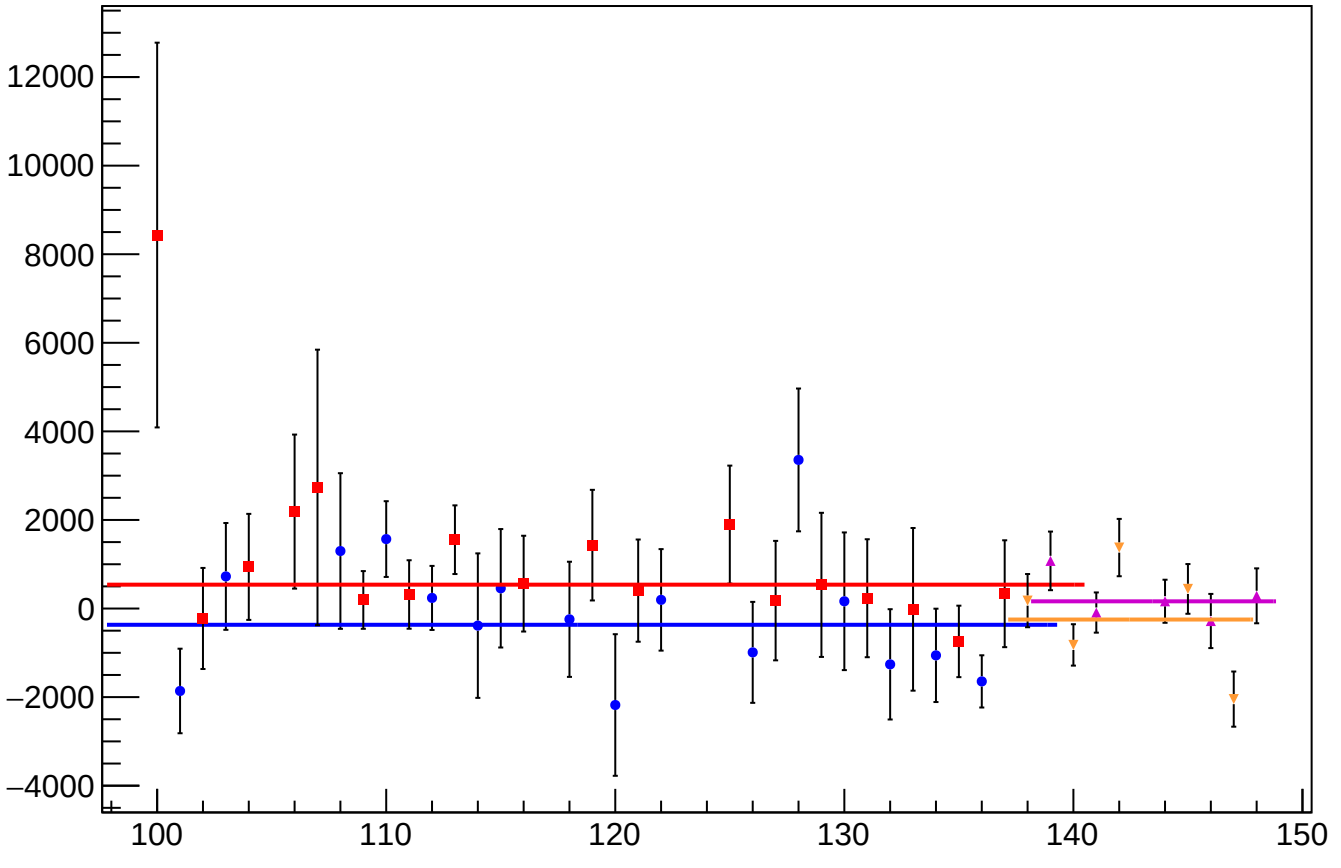
Left: 781.662+/-0.194 χ^2/NDF: 1411.2/9

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

In: 778.805+/-0.162 χ^2/NDF:12868.3/20

Out: 782.123+/-0.166 χ^2/NDF:8285.3/22

All: 780.417+/-0.116 χ^2/NDF: 21358.6/43



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

Left In: 162.606+/-245.126 χ^2/NDF:2.8/4

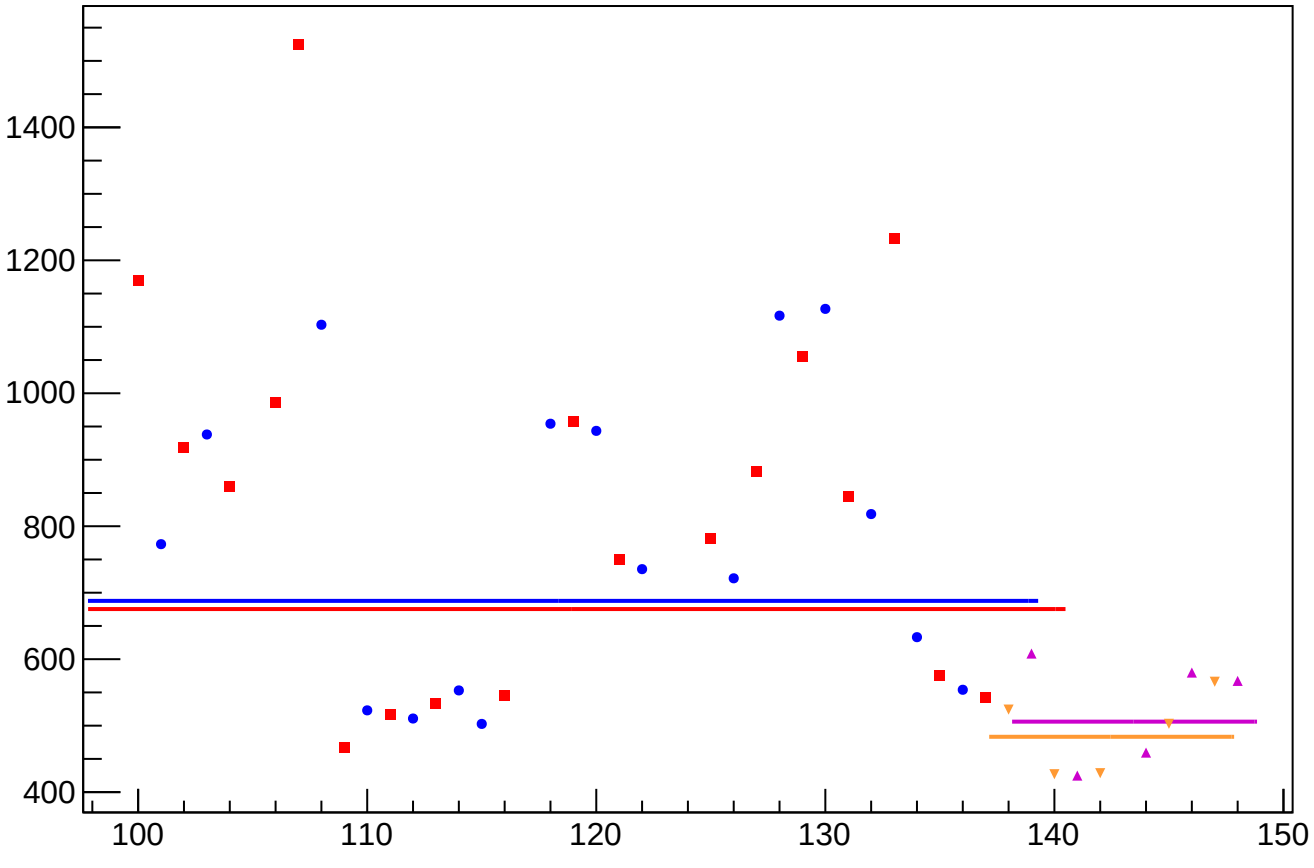
Left: -35.503+/-176.413 χ^2/NDF: 22.3/9

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

In: -79.919+/-180.475 χ^2/NDF:28.2/20

Out: 131.835+/-182.705 χ^2/NDF:34.5/22

All: 24.658+/-128.396 χ^2/NDF: 63.4/43



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

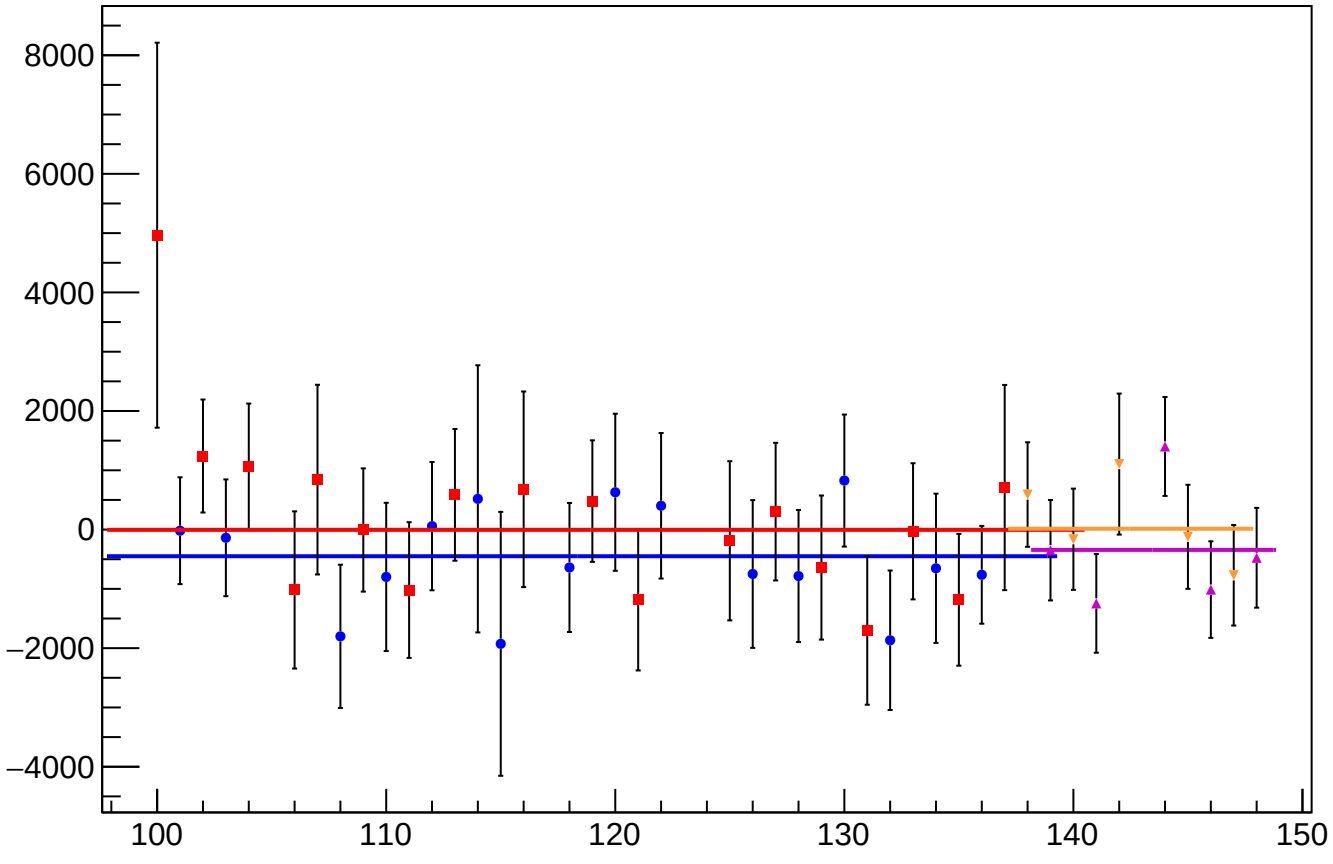
Left: 495.061+/-0.125 χ^2/NDF: 277616.0/9

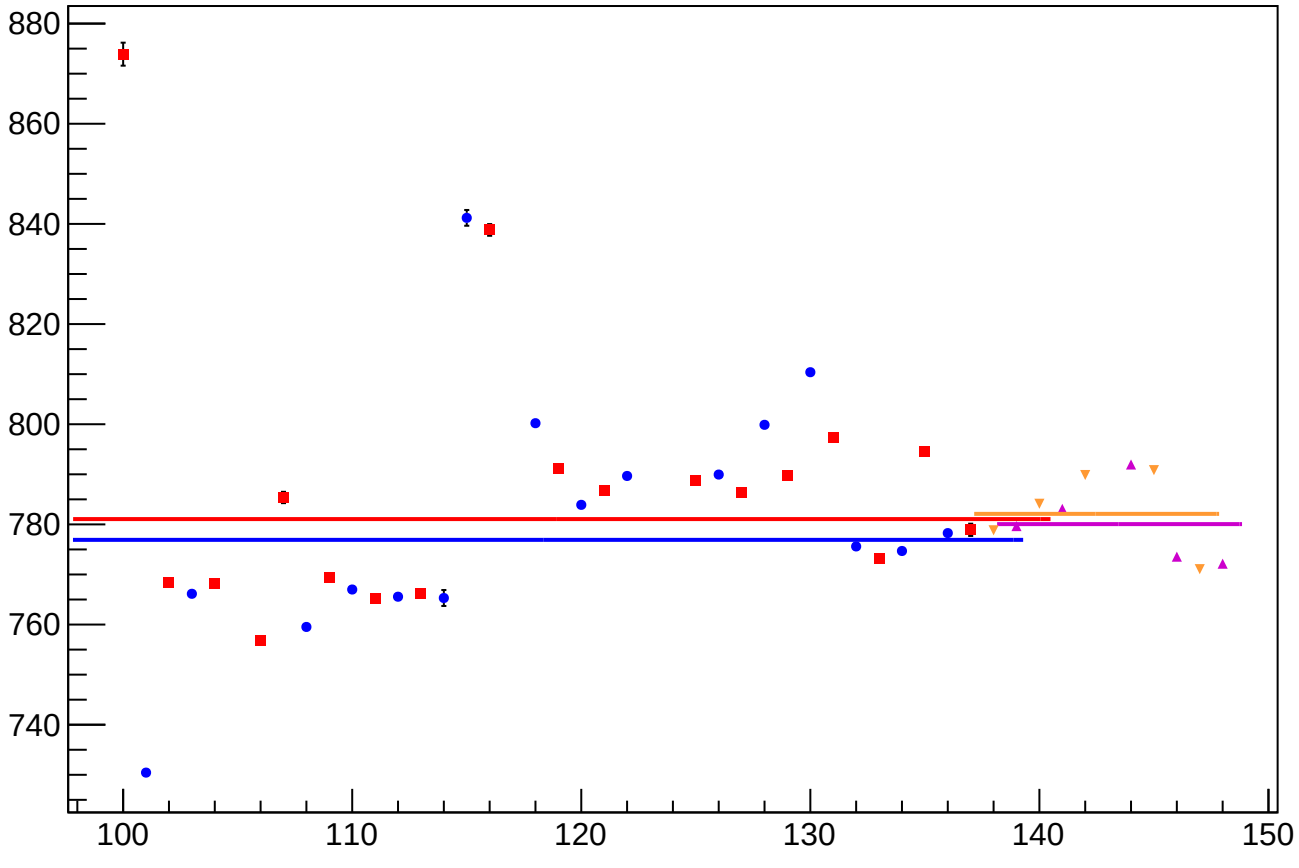
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 589.233+/-0.128 χ^2/NDF:1713903.0/20

Out: 576.061+/-0.129 χ^2/NDF:1955753.2/22

All: 582.728+/-0.091 χ^2/NDF: 3674917.7/43


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: 14.245+/-406.343 χ²/NDF:2.2/4
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -342.874+/-372.939 χ²/NDF:6.2/4
Left: -179.594+/-274.759 χ²/NDF: 8.9/9
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -409.508+/-228.274 χ²/NDF:13.1/20
Out: 1.666+/-234.867 χ²/NDF:14.0/22
All: -209.773+/-163.695 χ²/NDF: 28.7/43



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

Left Out: 782.103+/-0.287 χ^2/NDF:661.5/4

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

Left In: 780.057+/-0.264 χ^2/NDF:737.7/4

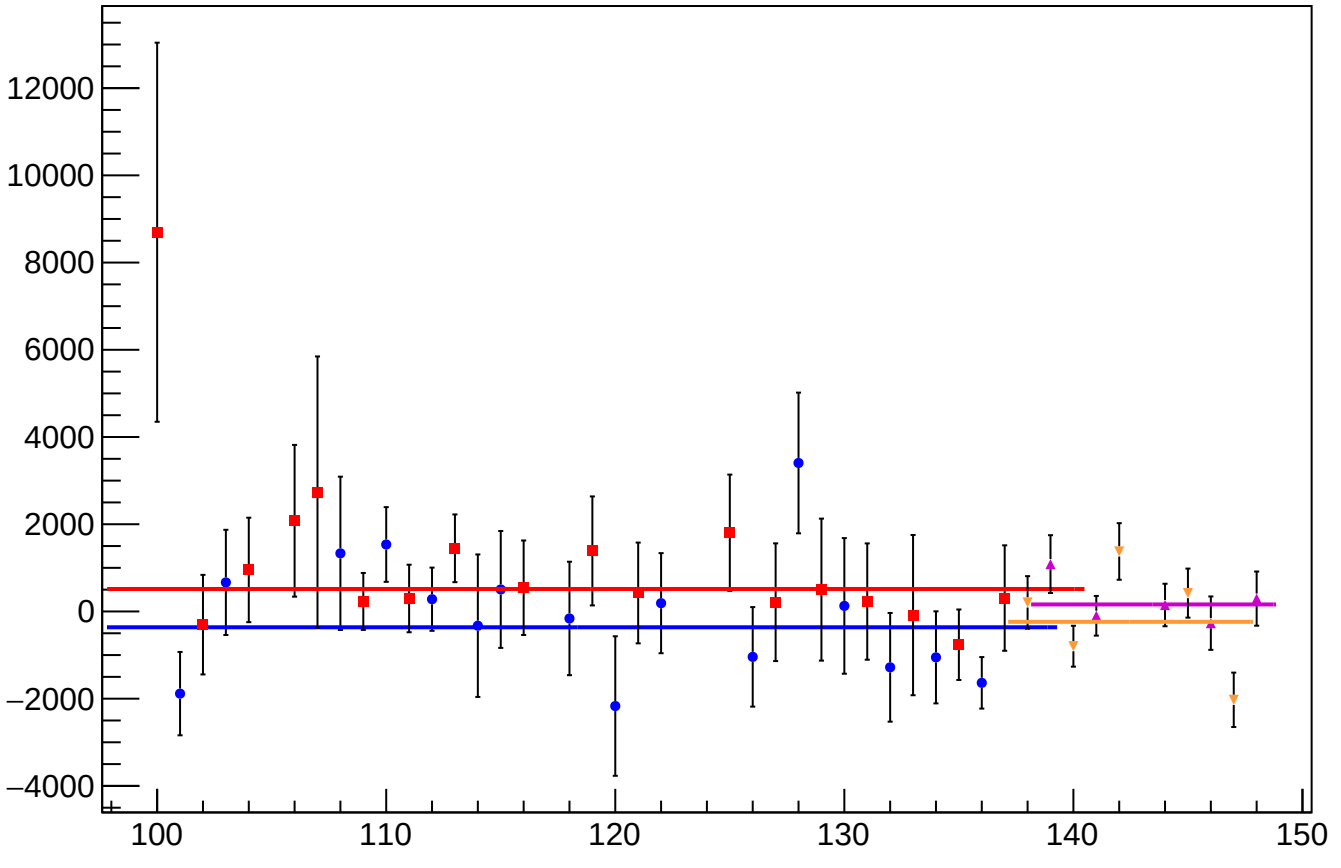
Left: 780.993+/-0.194 χ^2/NDF: 1426.7/9

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

In: 778.091+/-0.161 χ^2/NDF:12950.2/20

Out: 781.409+/-0.166 χ^2/NDF:8256.0/22

All: 779.703+/-0.116 χ^2/NDF: 21411.4/43



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

Left Out: -237.591+/-254.718 χ^2/NDF:17.7/4

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

Left In: 160.802+/-245.617 χ^2/NDF:2.8/4

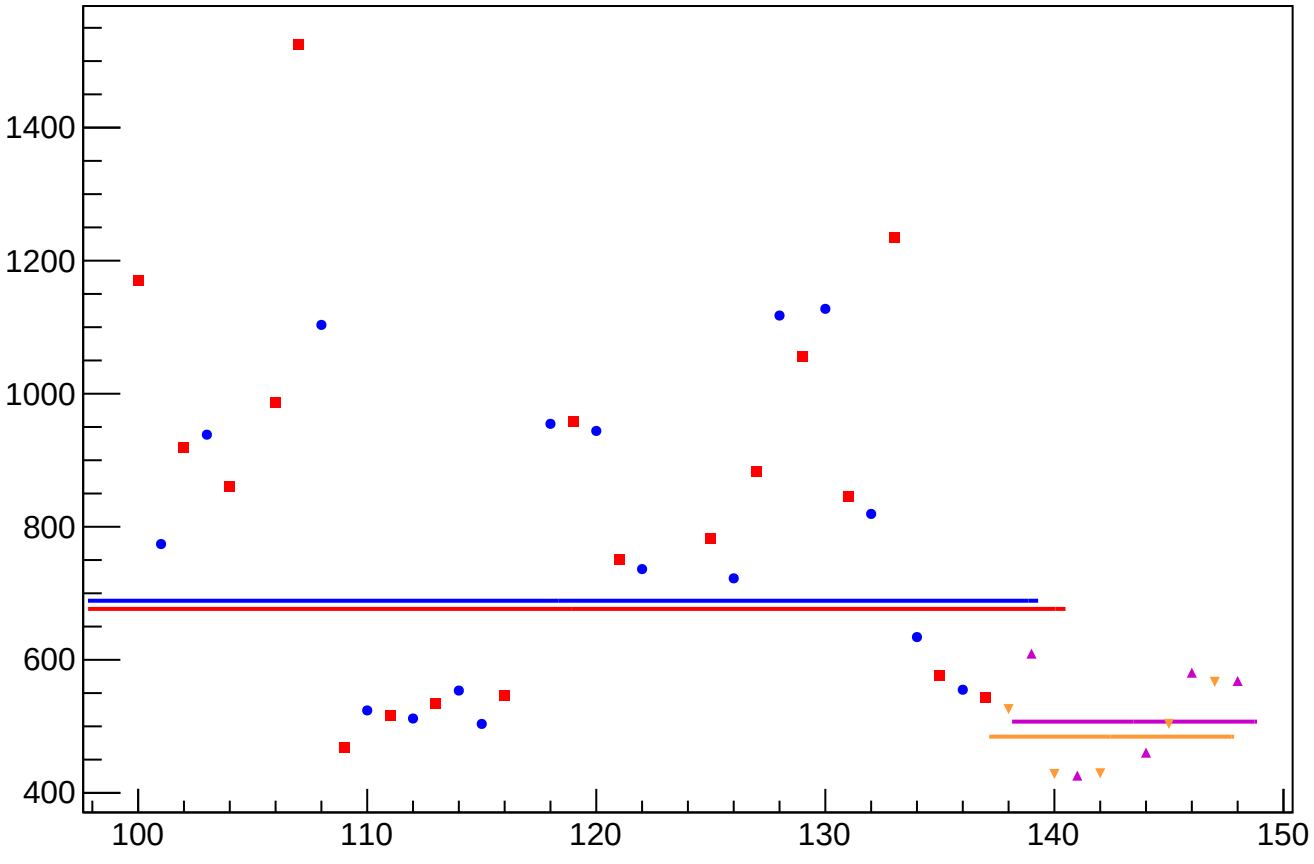
Left: -31.150+/-176.807 χ^2/NDF: 21.8/9

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

In: -79.117+/-180.791 χ^2/NDF:28.3/20

Out: 126.380+/-183.072 χ^2/NDF:33.4/22

All: 22.343+/-128.638 χ^2/NDF: 62.3/43



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

Left Out: 484.523+/-0.180 χ^2/NDF:89709.3/4

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

Left In: 507.094+/-0.174 χ^2/NDF:177734.2/4

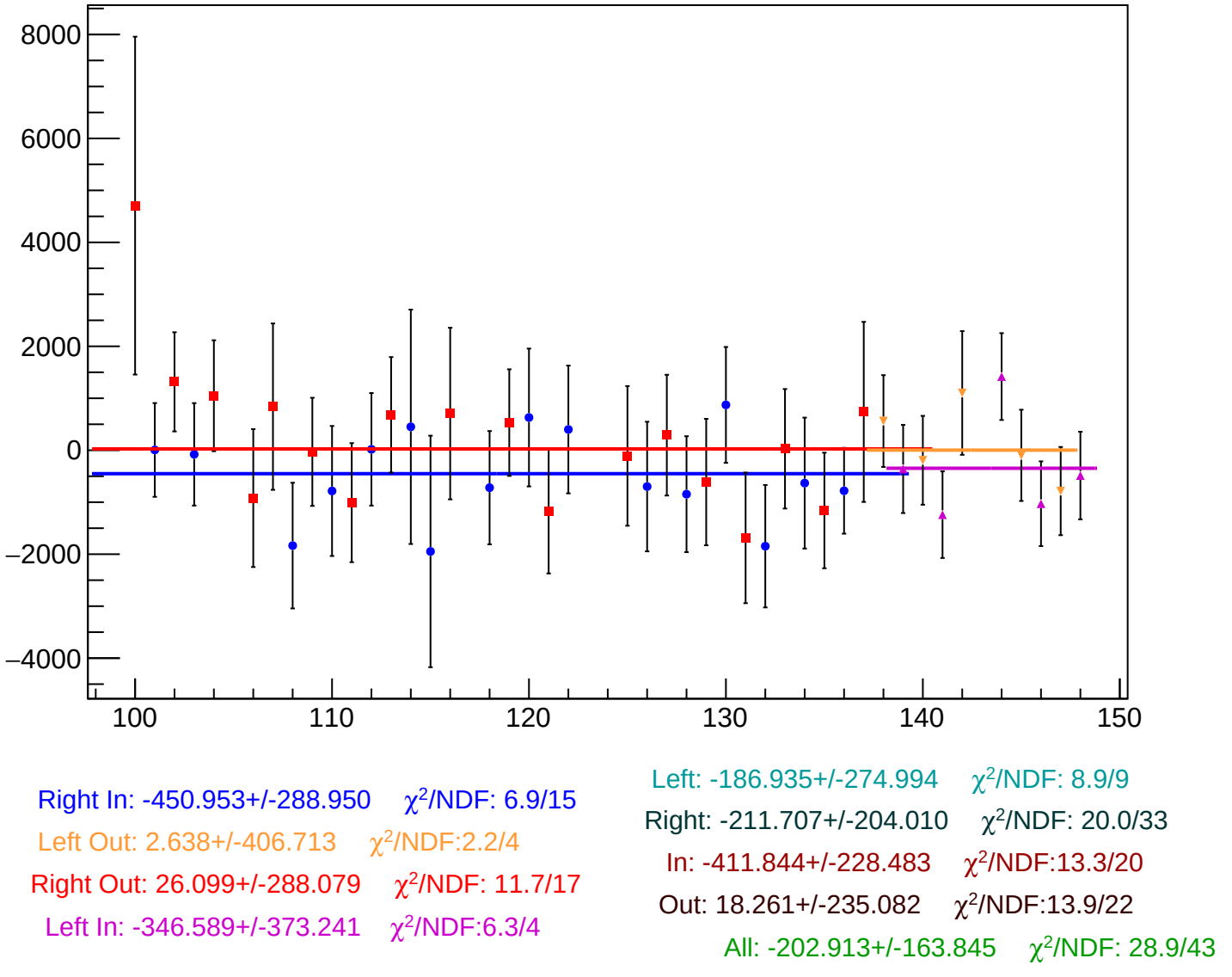
Left: 496.219+/-0.125 χ^2/NDF: 275581.3/9

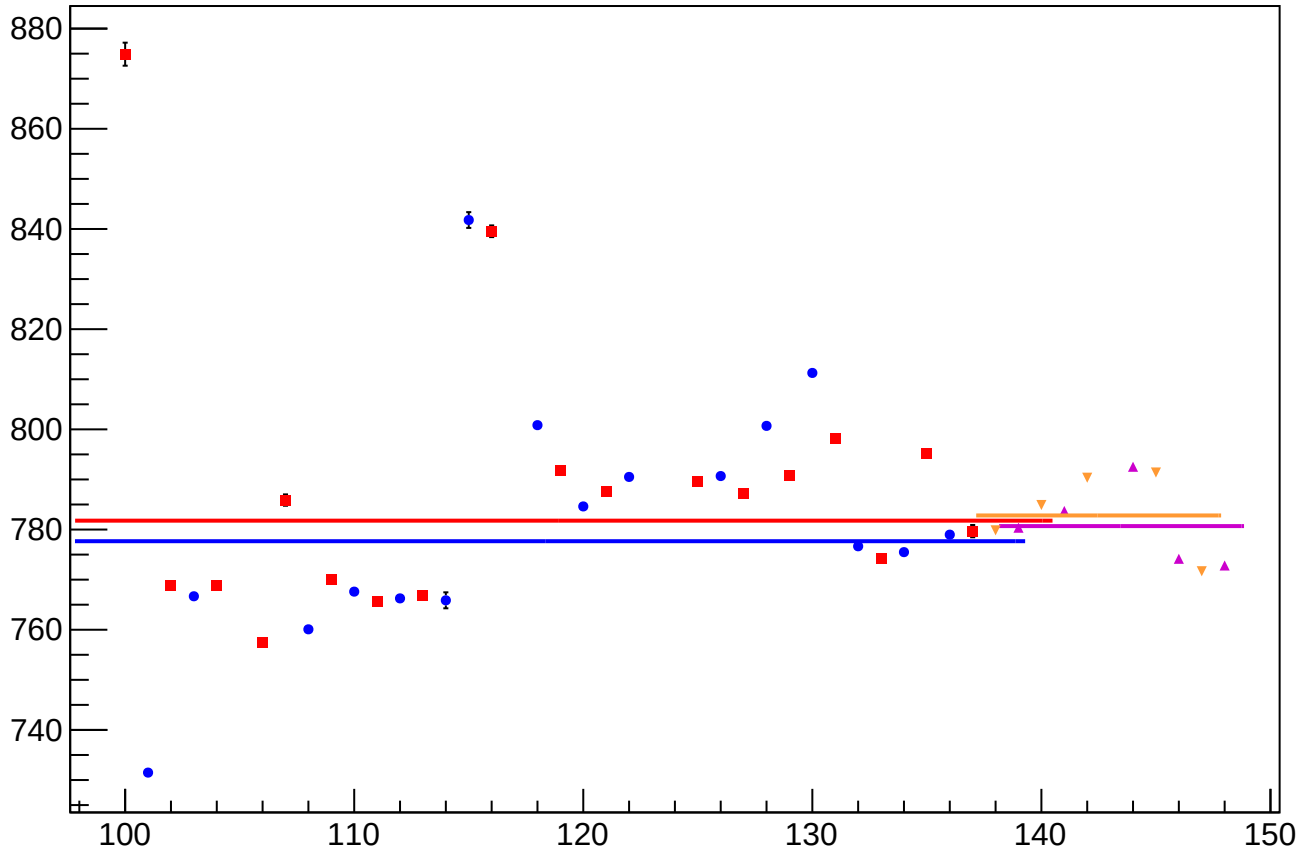
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 590.365+/-0.128 χ^2/NDF:1707552.3/20

Out: 577.366+/-0.129 χ^2/NDF:1947379.4/22

All: 583.947+/-0.091 χ^2/NDF: 3660036.3/43


eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: 2.638+/-406.713 χ²/NDF:2.2/4
Right Out: 26.099+/-288.079 χ²/NDF: 11.7/17
Left In: -346.589+/-373.241 χ²/NDF:6.3/4
Left: -186.935+/-274.994 χ²/NDF: 8.9/9
Right: -211.707+/-204.010 χ²/NDF: 20.0/33
In: -411.844+/-228.483 χ²/NDF:13.3/20
Out: 18.261+/-235.082 χ²/NDF:13.9/22
All: -202.913+/-163.845 χ²/NDF: 28.9/43



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

Left In: 780.691+/-0.264 χ^2/NDF:731.2/4

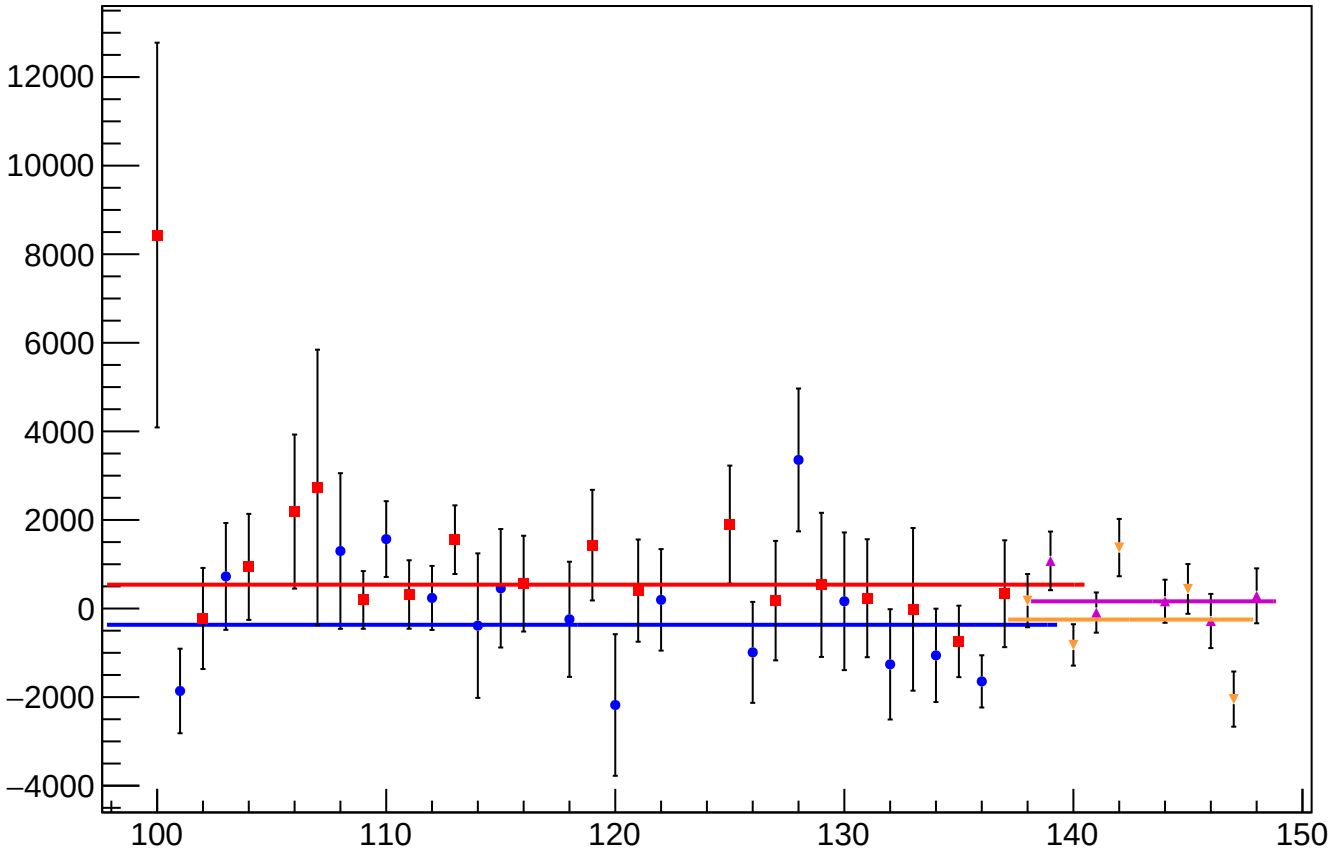
Left: 781.662+/-0.194 χ^2/NDF: 1411.2/9

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

In: 778.805+/-0.162 χ^2/NDF:12868.3/20

Out: 782.123+/-0.166 χ^2/NDF:8285.3/22

All: 780.417+/-0.116 χ^2/NDF: 21358.6/43



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

Left In: 162.606+/-245.126 χ^2/NDF:2.8/4

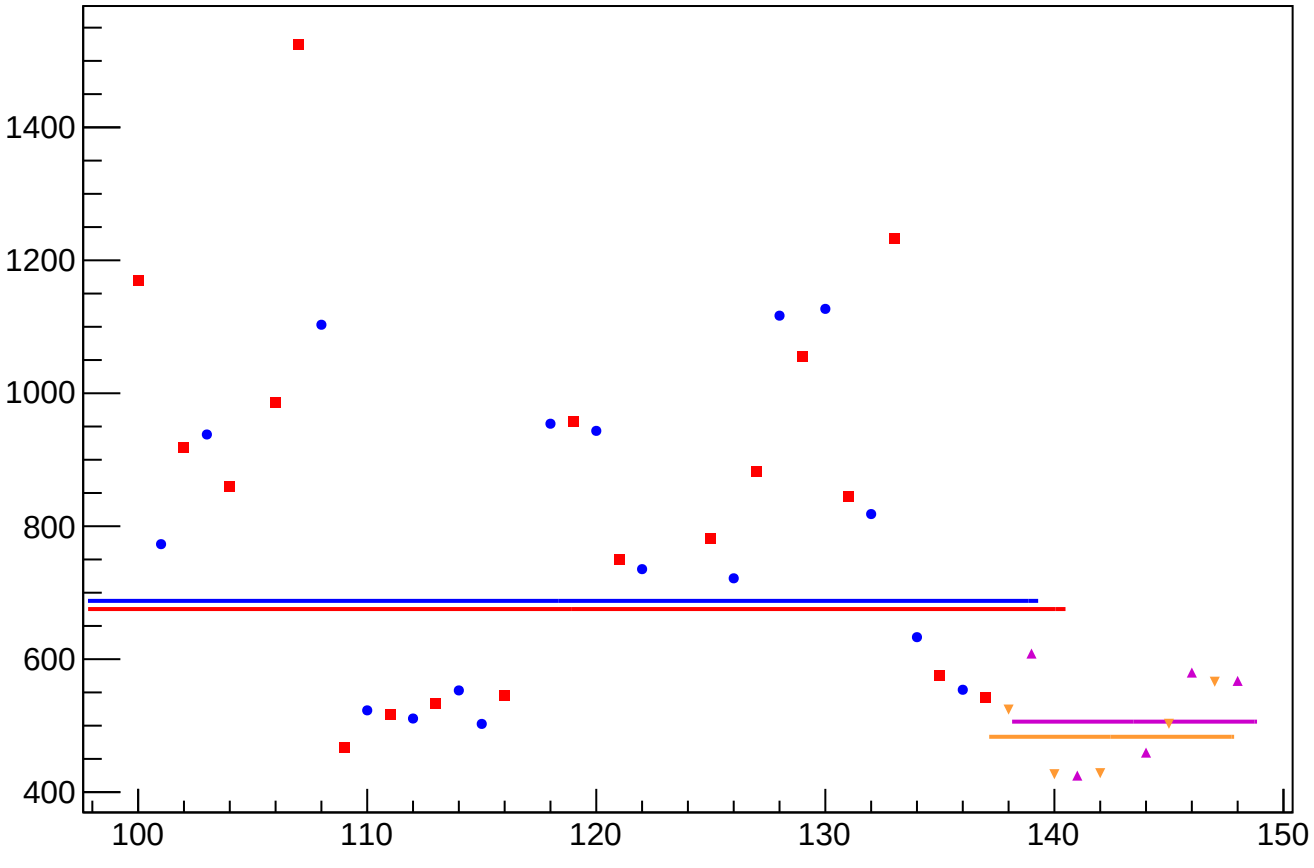
Left: -35.503+/-176.413 χ^2/NDF: 22.3/9

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

In: -79.919+/-180.475 χ^2/NDF:28.2/20

Out: 131.835+/-182.705 χ^2/NDF:34.5/22

All: 24.658+/-128.396 χ^2/NDF: 63.4/43



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

Left In: 506.037+/-0.173 χ^2/NDF:178890.6/4

Left: 495.061+/-0.125 χ^2/NDF: 277616.0/9

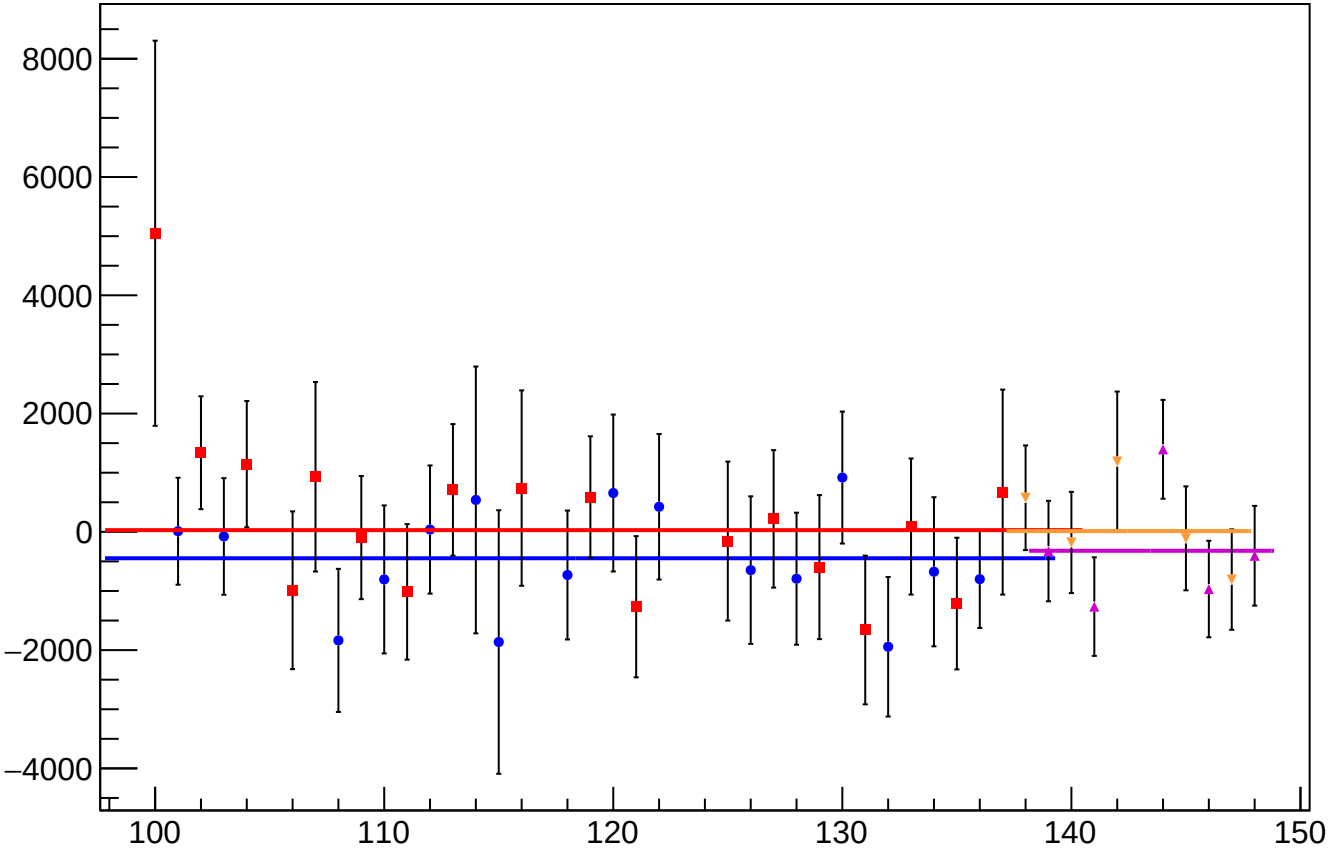
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 589.233+/-0.128 χ^2/NDF:1713903.0/20

Out: 576.061+/-0.129 χ^2/NDF:1955753.2/22

All: 582.728+/-0.091 χ^2/NDF: 3674917.7/43

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 12.703+/-406.945 χ^2/NDF:2.4/4

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

Left In: -320.093+/-373.562 χ^2/NDF:6.1/4

Left: -167.903+/-275.194 χ^2/NDF: 8.9/9

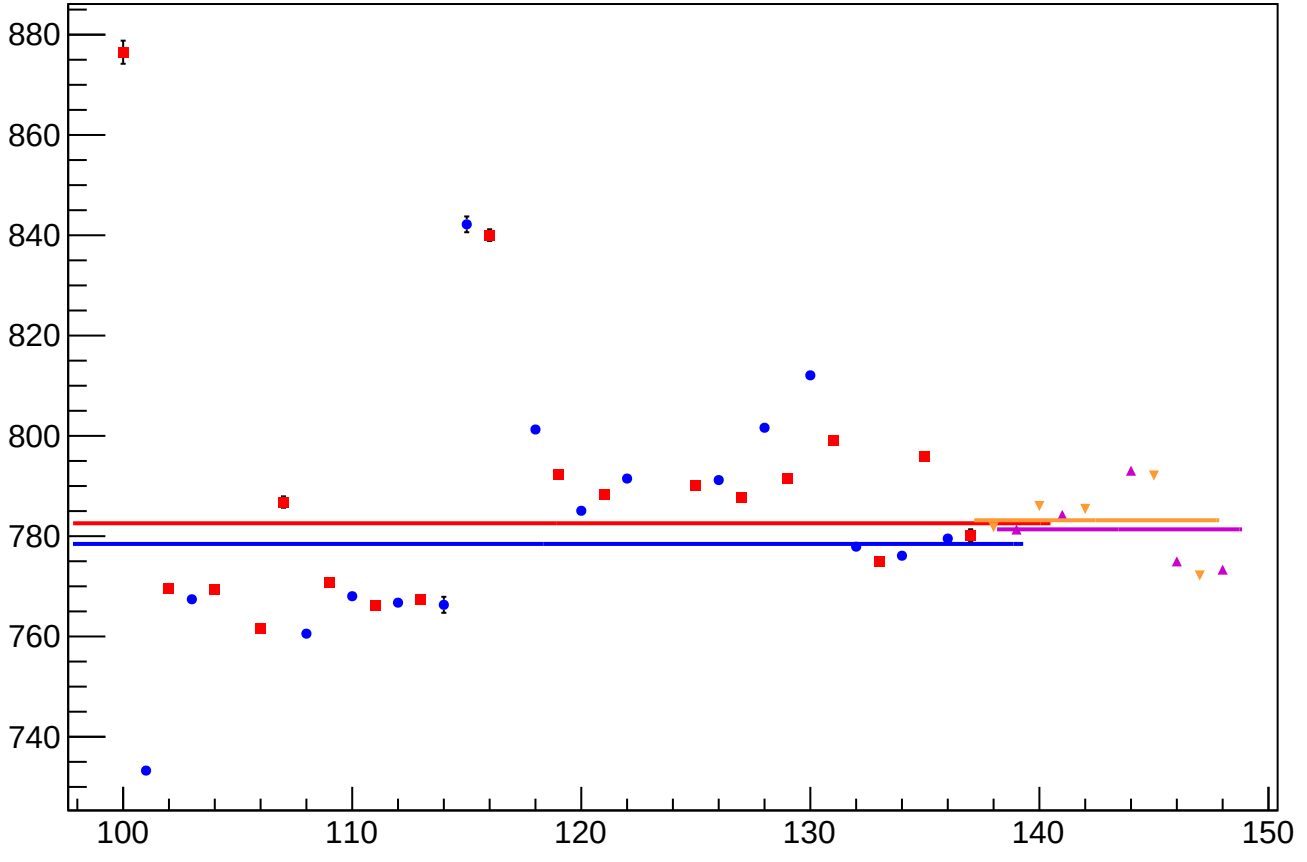
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -399.221+/-228.699 χ^2/NDF:13.5/20

Out: 23.410+/-235.286 χ^2/NDF:15.0/22

All: -193.904+/-163.994 χ^2/NDF: 30.2/43

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 783.173+/-0.288 χ^2/NDF:577.0/4

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

Left In: 781.361+/-0.264 χ^2/NDF:719.6/4

Left: 782.190+/-0.195 χ^2/NDF: 1318.1/9

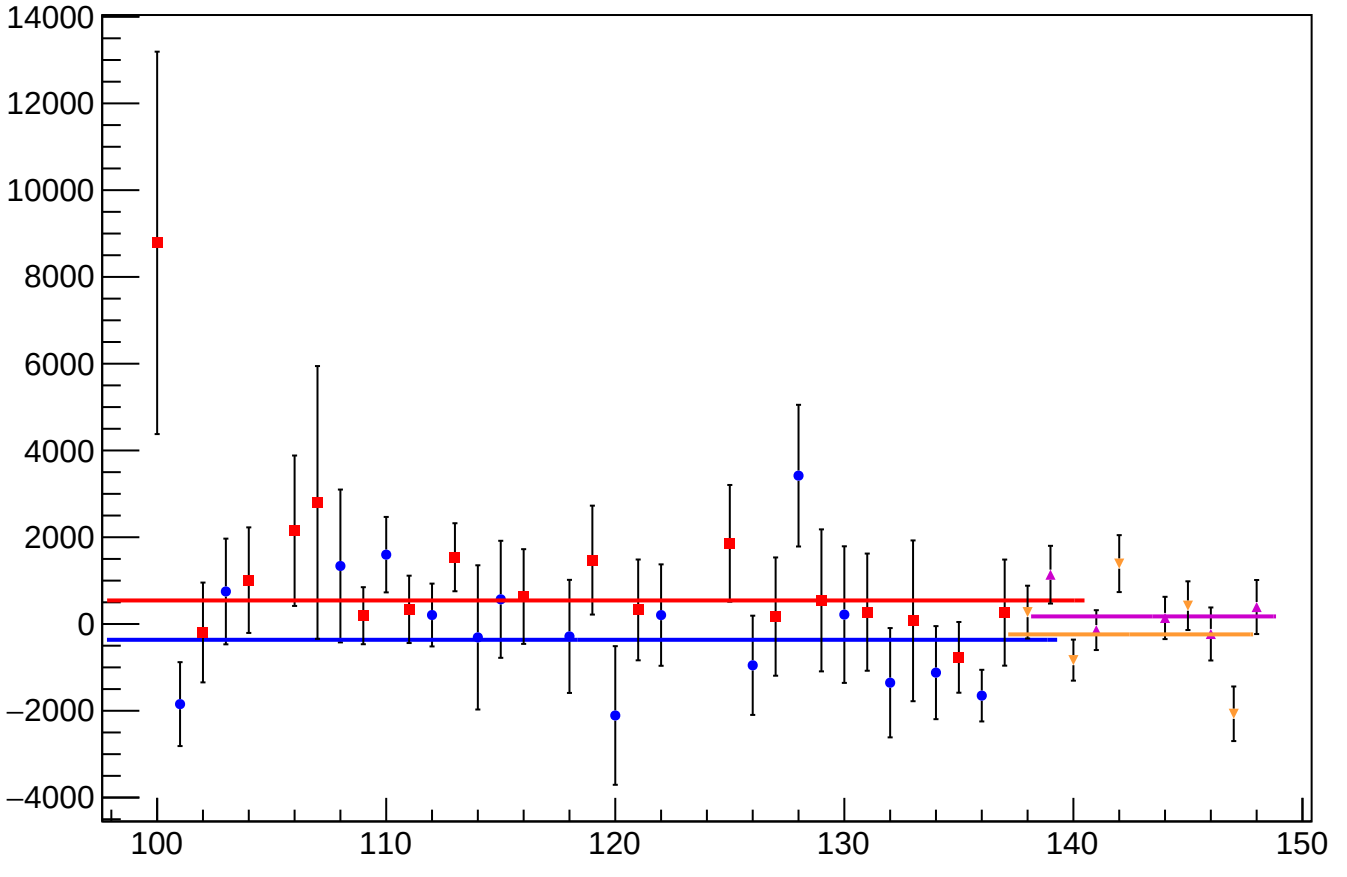
Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

In: 779.545+/-0.162 χ^2/NDF:12590.5/20

Out: 782.775+/-0.166 χ^2/NDF:8061.3/22

All: 781.114+/-0.116 χ^2/NDF: 20845.6/43

asym_us_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -239.391+/-256.531 χ^2/NDF:18.3/4

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

Left In: 175.004+/-246.411 χ^2/NDF:3.1/4

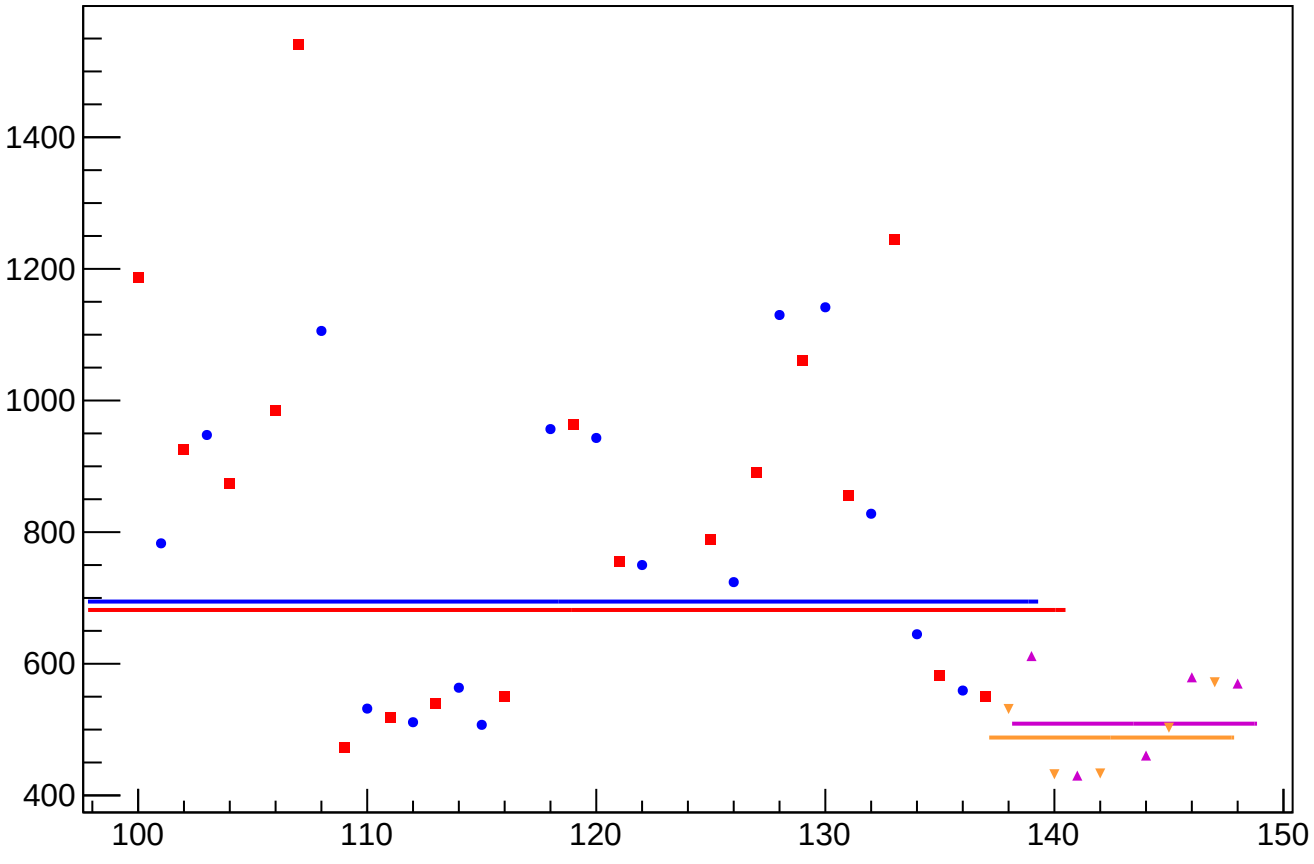
Left: -23.858+/-177.709 χ^2/NDF: 22.8/9

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

In: -70.597+/-181.798 χ^2/NDF:28.6/20

Out: 138.642+/-184.408 χ^2/NDF:34.6/22

All: 32.532+/-129.464 χ^2/NDF: 63.9/43



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

Left Out: 487.922+/-0.181 χ^2/NDF:88881.4/4

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

Left In: 508.984+/-0.174 χ^2/NDF:172227.3/4

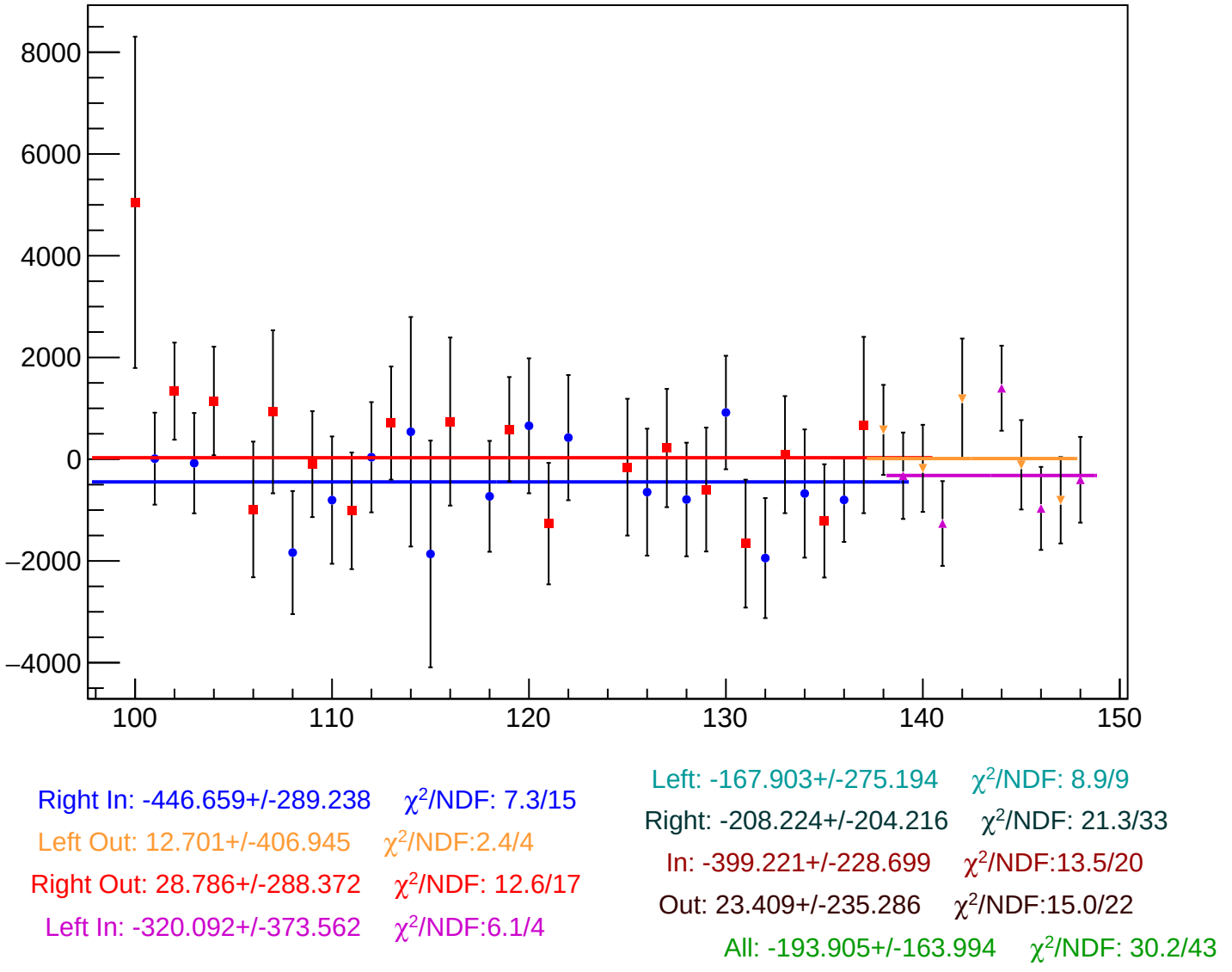
Left: 498.877+/-0.126 χ^2/NDF: 268120.9/9

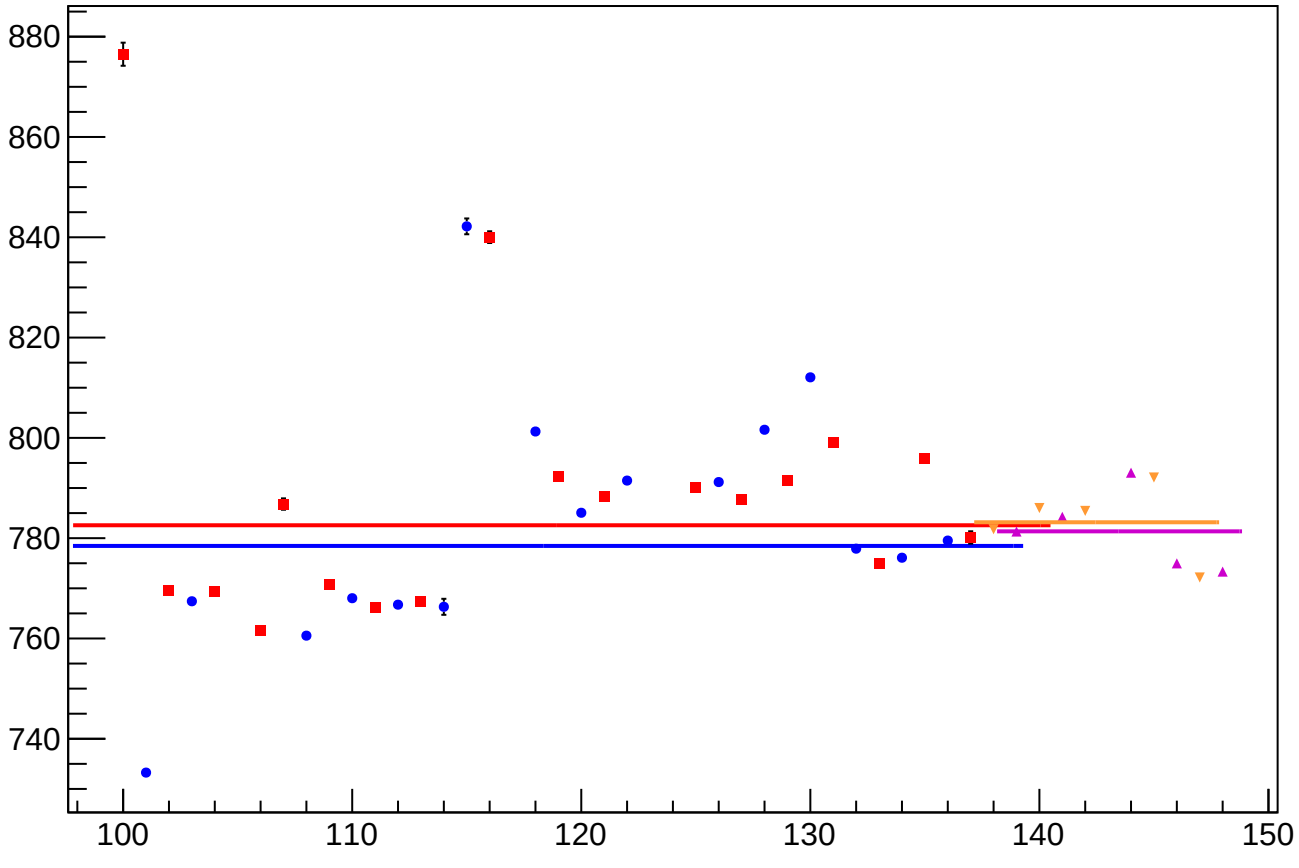
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 593.530+/-0.129 χ^2/NDF:1718801.6/20

Out: 581.587+/-0.130 χ^2/NDF:1951933.2/22

All: 587.643+/-0.092 χ^2/NDF: 3674989.0/43


eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -446.659+/-289.238 χ²/NDF: 7.3/15
Left Out: 12.701+/-406.945 χ²/NDF:2.4/4
Right Out: 28.786+/-288.372 χ²/NDF: 12.6/17
Left In: -320.092+/-373.562 χ²/NDF:6.1/4
Left: -167.903+/-275.194 χ²/NDF: 8.9/9
Right: -208.224+/-204.216 χ²/NDF: 21.3/33
In: -399.221+/-228.699 χ²/NDF:13.5/20
Out: 23.409+/-235.286 χ²/NDF:15.0/22
All: -193.905+/-163.994 χ²/NDF: 30.2/43



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

Left Out: 783.173+/-0.288 χ^2/NDF:577.0/4

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

Left In: 781.361+/-0.264 χ^2/NDF:719.6/4

Left: 782.190+/-0.195 χ^2/NDF: 1318.1/9

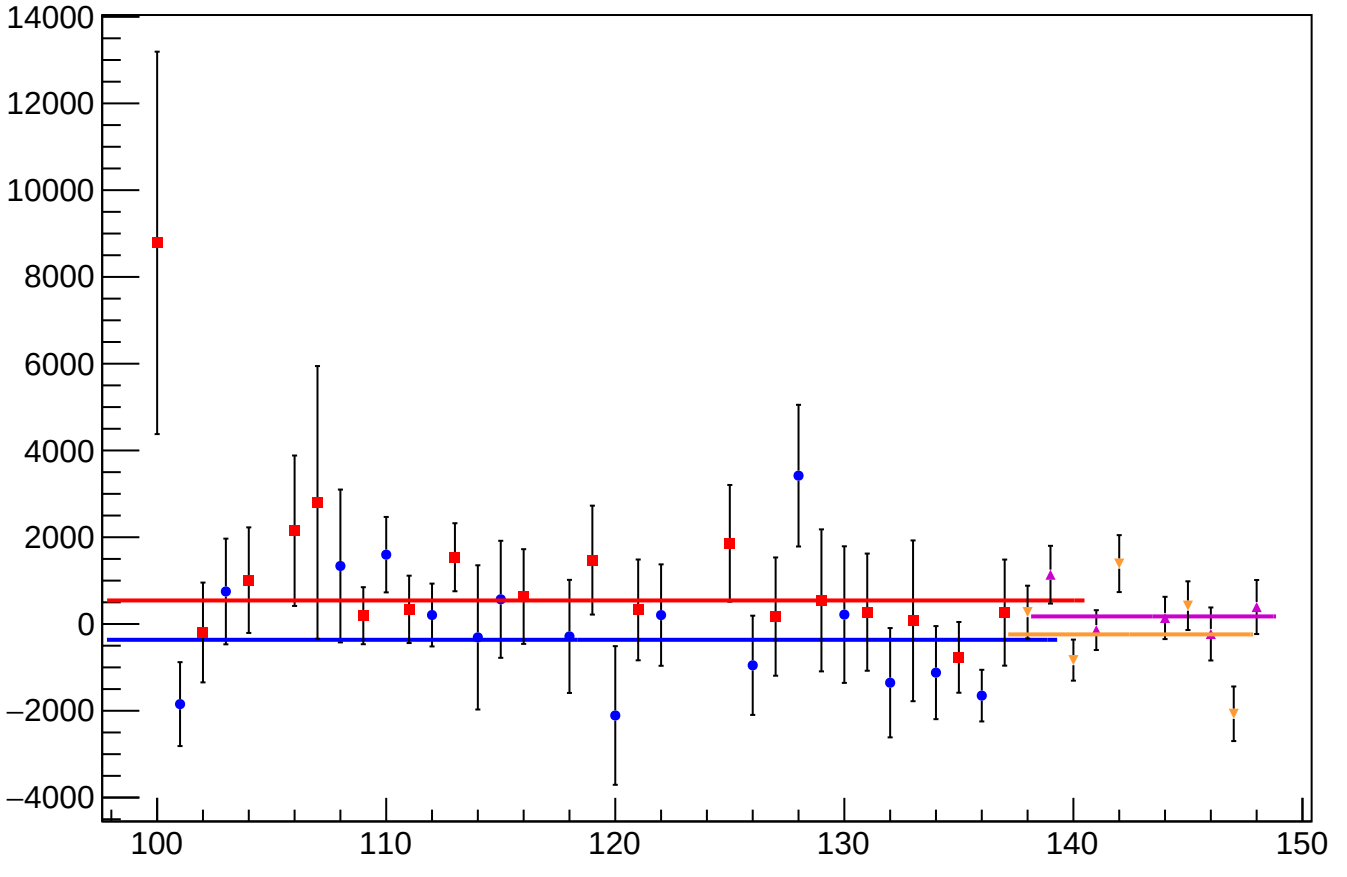
Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 779.545+/-0.162 χ^2/NDF:12590.4/20

Out: 782.775+/-0.166 χ^2/NDF:8061.3/22

All: 781.114+/-0.116 χ^2/NDF: 20845.5/43

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -239.391+/-256.531 χ^2/NDF:18.3/4

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

Left In: 175.002+/-246.411 χ^2/NDF:3.1/4

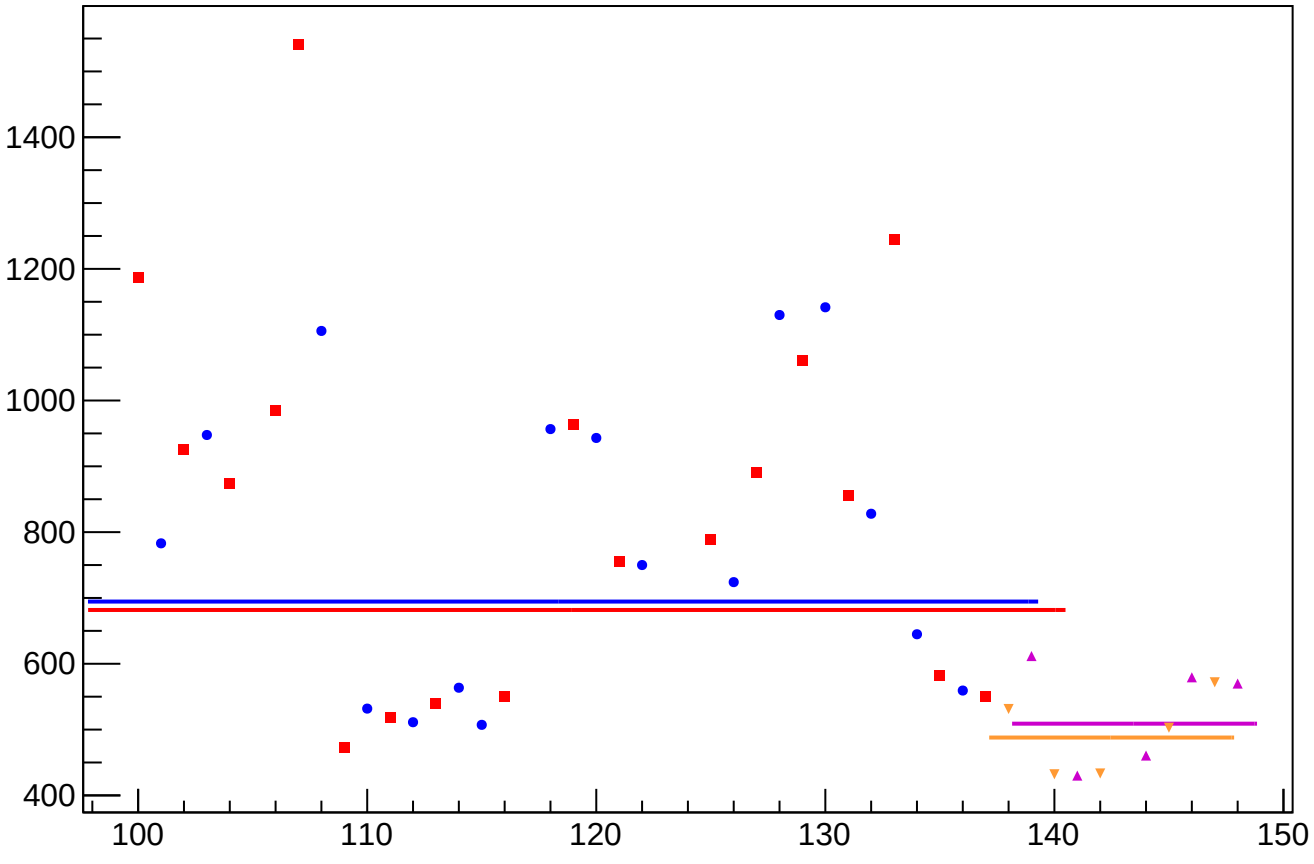
Left: -23.860+/-177.709 χ^2/NDF: 22.8/9

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

In: -70.597+/-181.798 χ^2/NDF:28.6/20

Out: 138.643+/-184.408 χ^2/NDF:34.6/22

All: 32.532+/-129.463 χ^2/NDF: 63.9/43



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

Left Out: 487.922+/-0.181 χ^2/NDF:88887.2/4

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

Left In: 508.984+/-0.174 χ^2/NDF:172235.1/4

Left: 498.876+/-0.126 χ^2/NDF: 268134.7/9

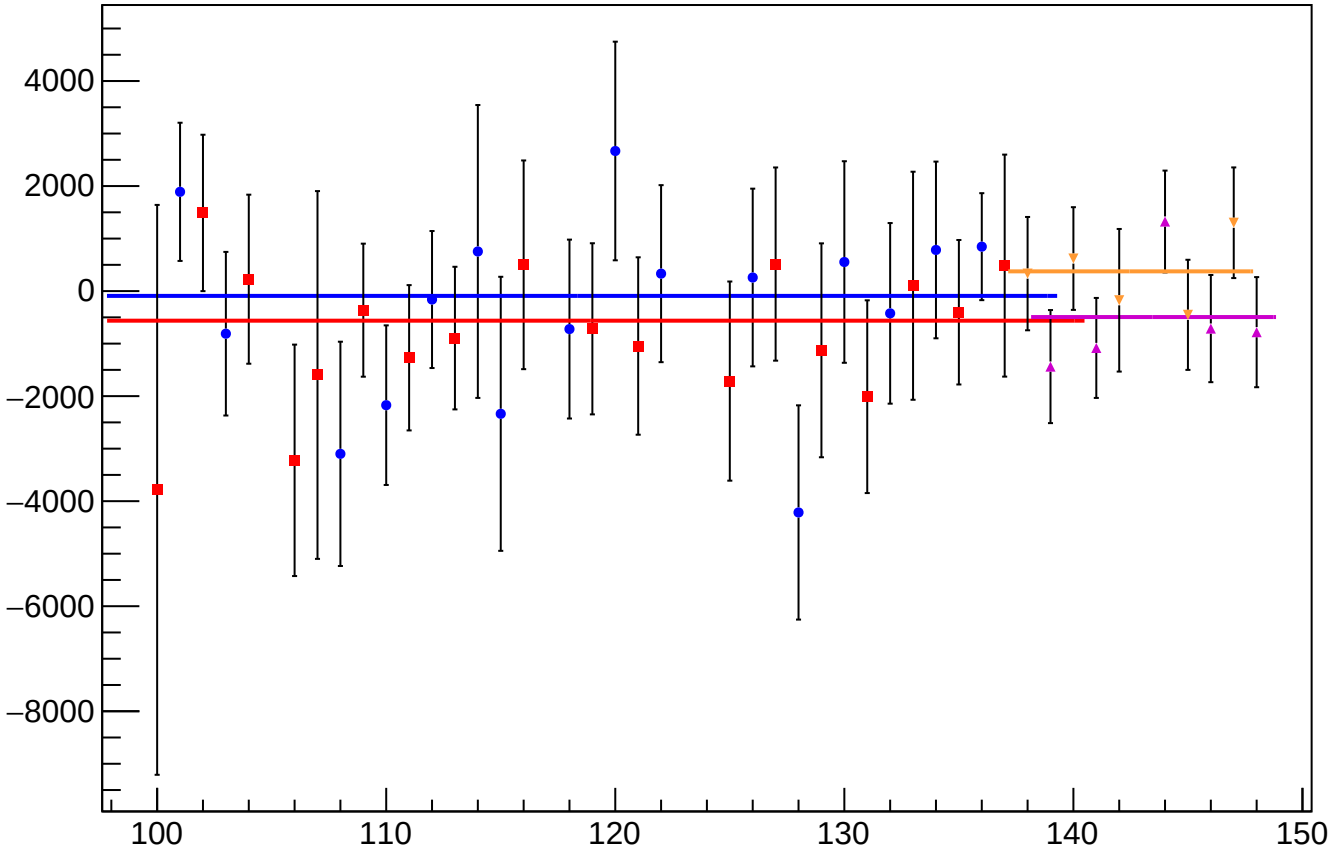
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 593.528+/-0.129 χ^2/NDF:1718806.7/20

Out: 581.585+/-0.130 χ^2/NDF:1951946.4/22

All: 587.642+/-0.092 χ^2/NDF: 3675007.3/43

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 375.837+/-484.584 χ^2/NDF:1.6/4

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

Left In: -494.114+/-451.761 χ^2/NDF:4.8/4

Left: -89.597+/-330.438 χ^2/NDF: 8.1/9

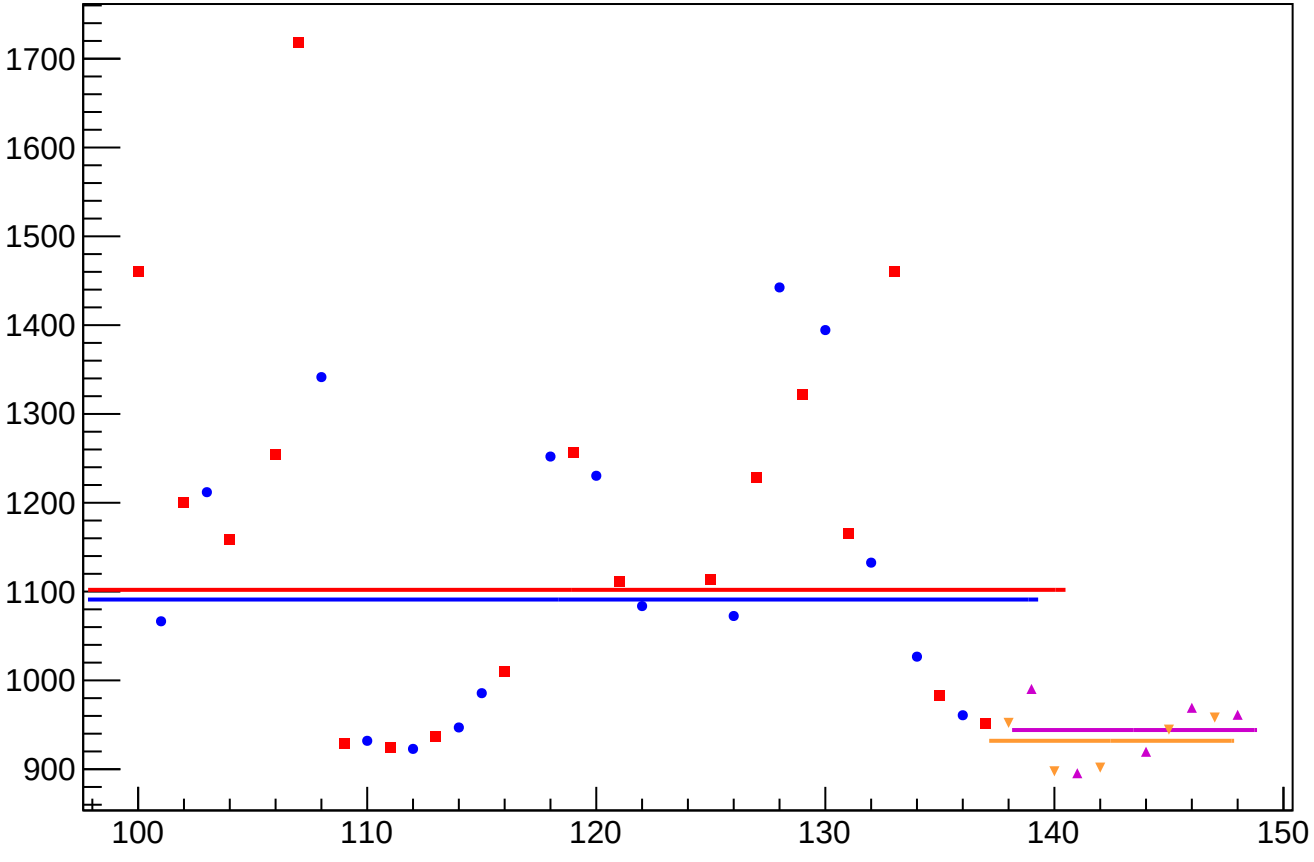
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -273.214+/-303.589 χ^2/NDF:19.8/20

Out: -169.744+/-313.693 χ^2/NDF:10.3/22

All: -223.172+/-218.155 χ^2/NDF: 30.1/43

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 931.990+/-0.343 χ^2/NDF:5681.1/4

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

Left In: 944.107+/-0.319 χ^2/NDF:11924.3/4

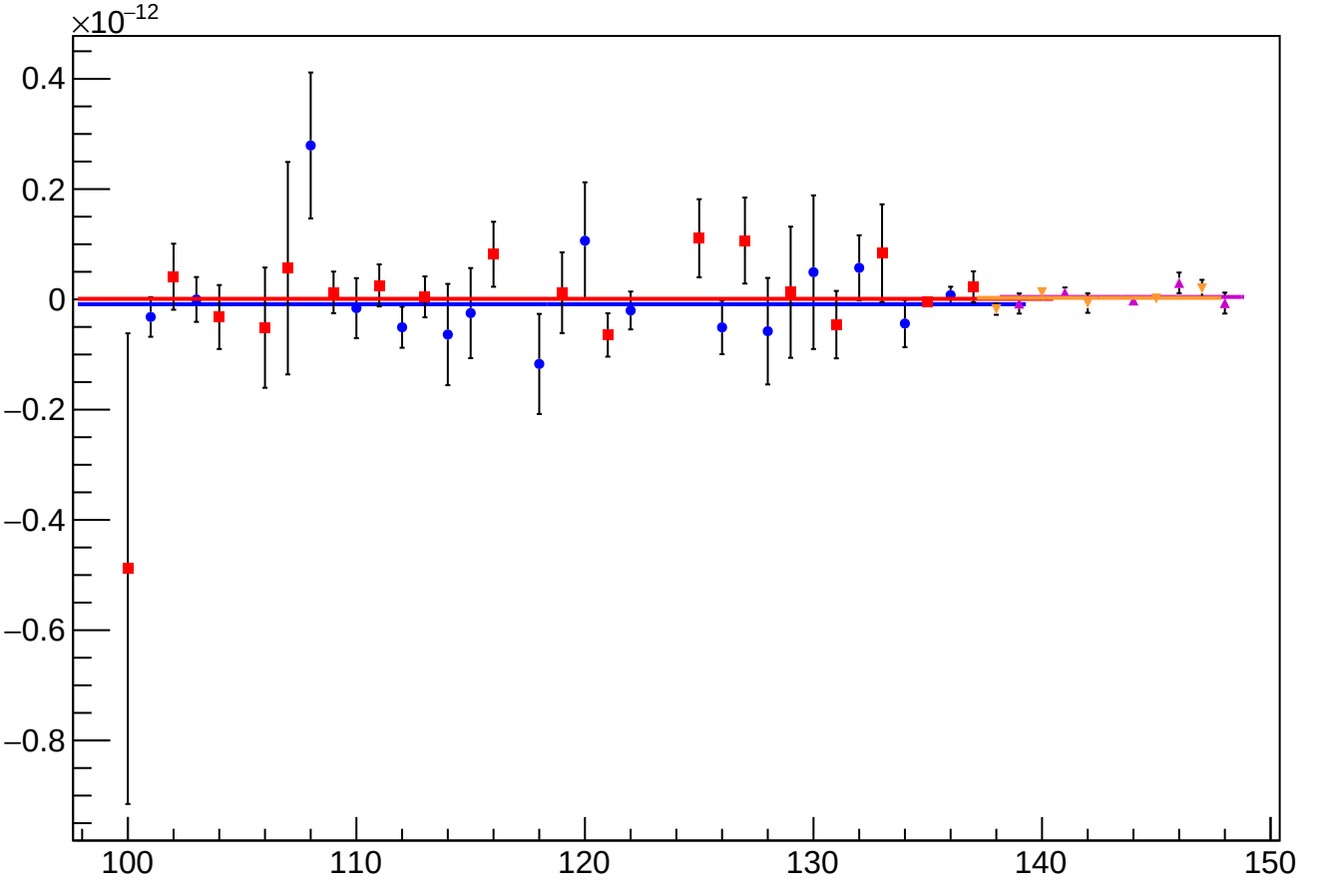
Left: 938.473+/-0.234 χ^2/NDF: 18274.5/9

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

In: 1024.685+/-0.215 χ^2/NDF:405254.7/20

Out: 1030.729+/-0.222 χ^2/NDF:476722.9/22

All: 1027.608+/-0.154 χ^2/NDF: 882360.9/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/4

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

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

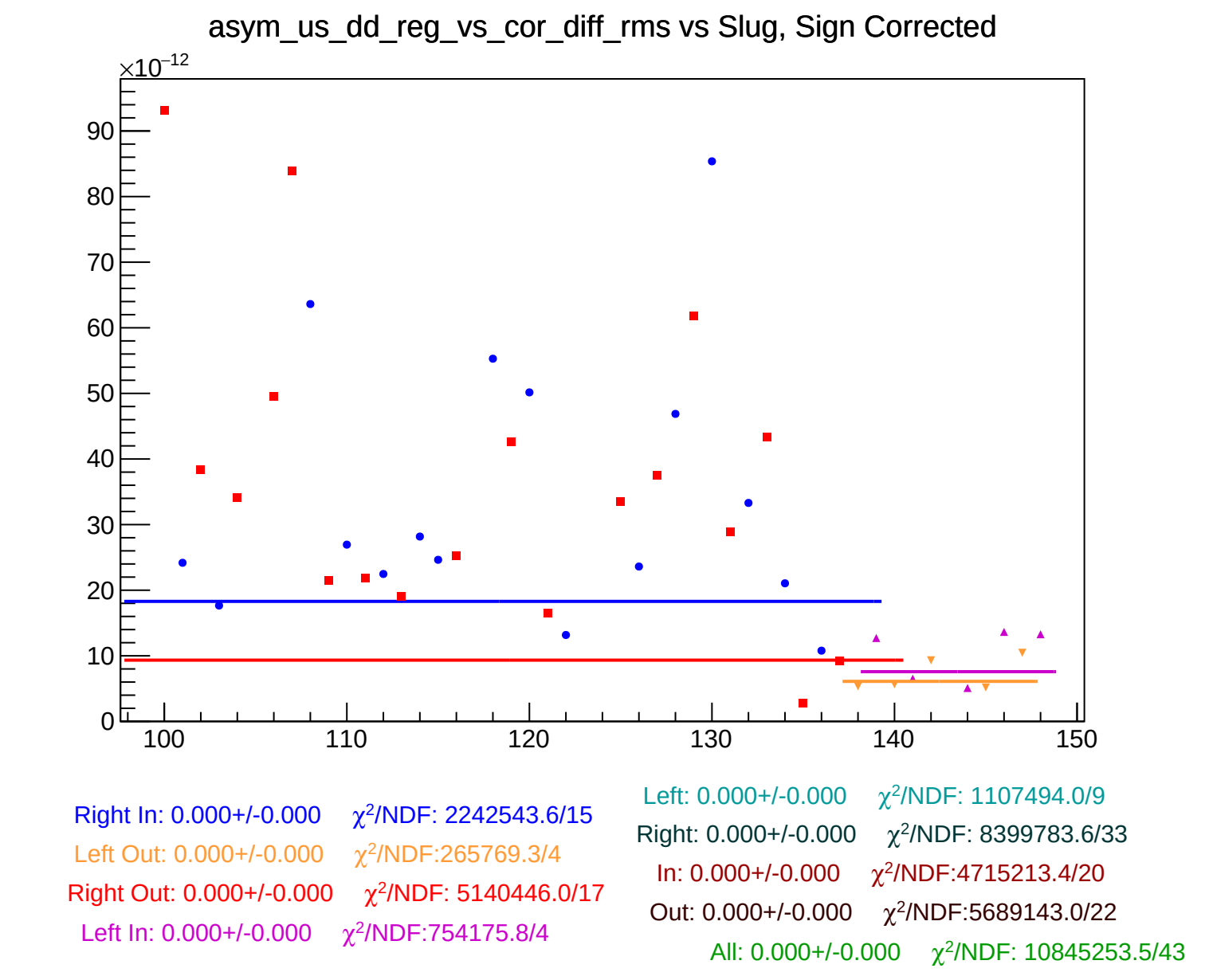
Left: 0.000+/-0.000 χ^2/NDF: 11.2/9

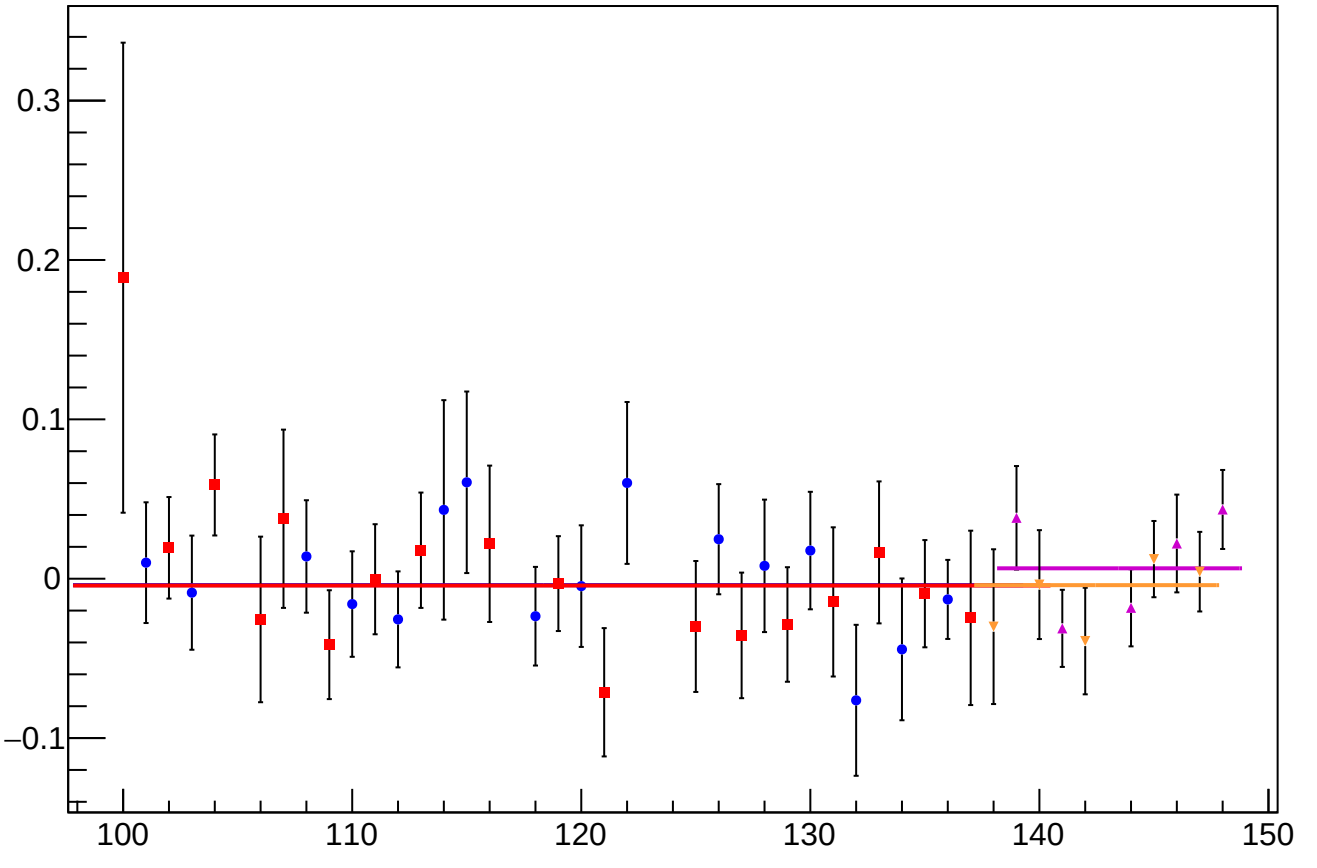
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:19.0/20

Out: 0.000+/-0.000 χ^2/NDF:21.6/22

All: 0.000+/-0.000 χ^2/NDF: 40.6/43


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:265769.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:754175.8/4
Left: 0.000+/-0.000 χ²/NDF: 1107494.0/9
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:4715213.4/20
Out: 0.000+/-0.000 χ²/NDF:5689143.0/22
All: 0.000+/-0.000 χ²/NDF: 10845253.5/43



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

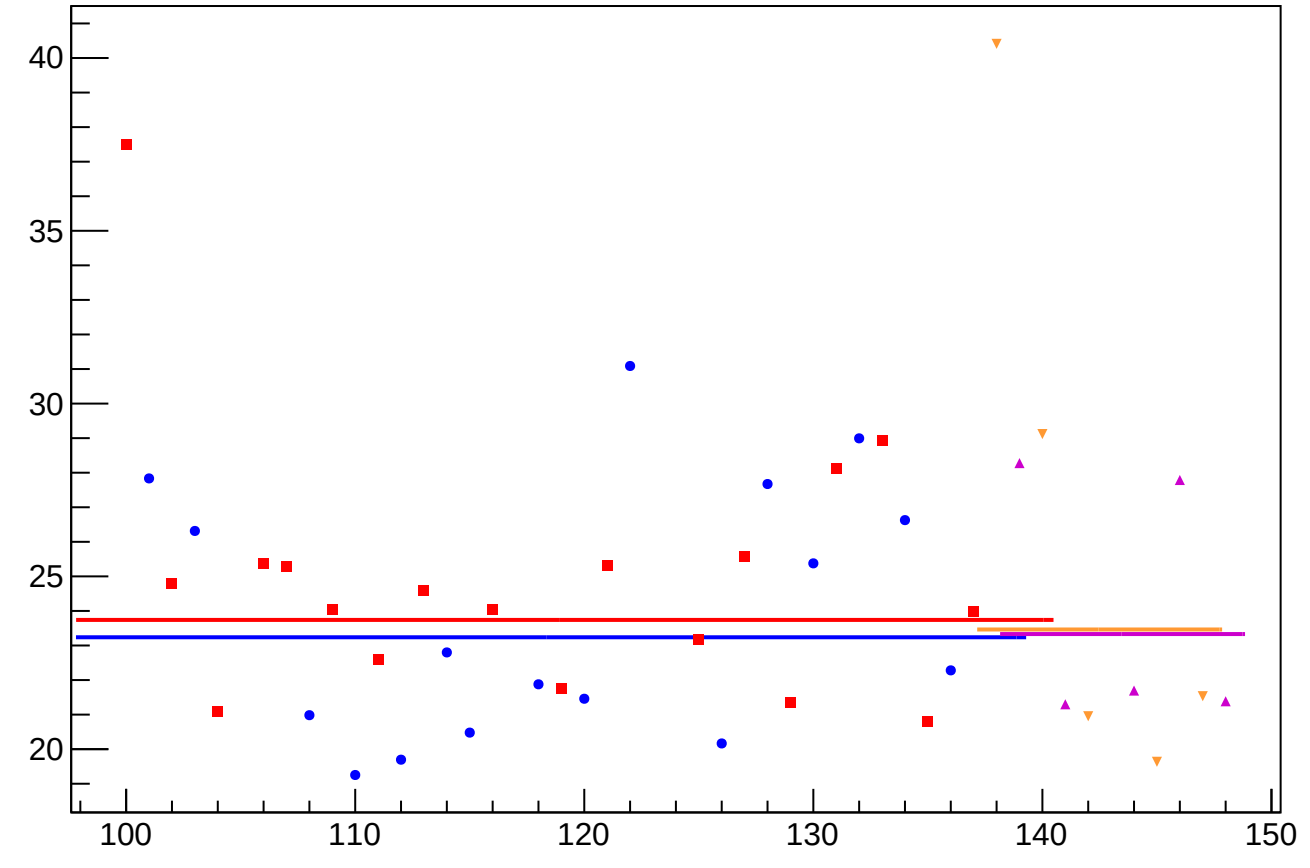
Left: 0.002+/-0.009 χ^2/NDF: 9.2/9

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

In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.002+/-0.005 χ^2/NDF: 32.2/43



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

Left Out: 23.463+/-0.010 χ^2/NDF:372796.2/4

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

Left In: 23.331+/-0.008 χ^2/NDF:124192.1/4

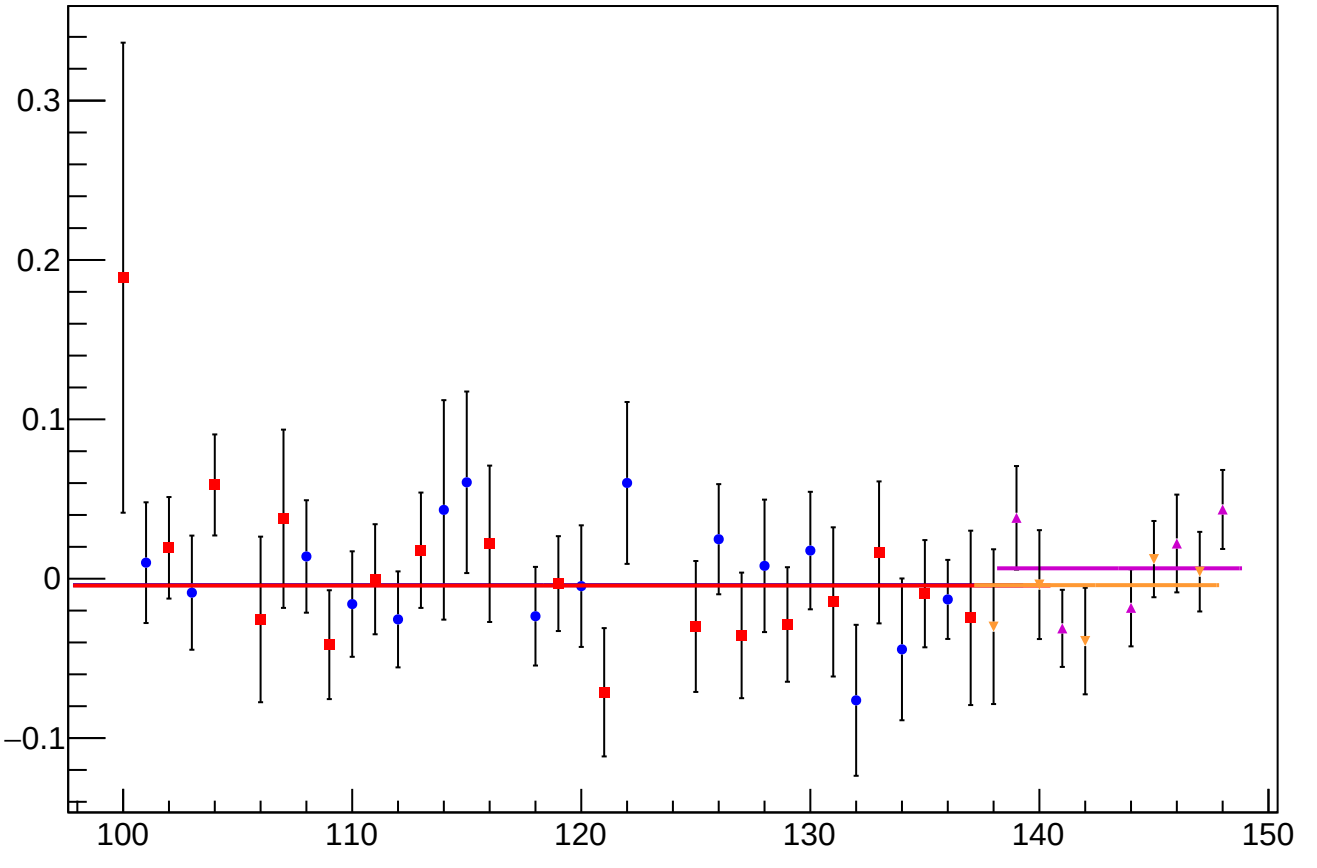
Left: 23.389+/-0.006 χ^2/NDF: 497096.3/9

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

In: 23.273+/-0.005 χ^2/NDF:383503.9/20

Out: 23.650+/-0.005 χ^2/NDF:499553.1/22

All: 23.453+/-0.004 χ^2/NDF: 885598.2/43



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

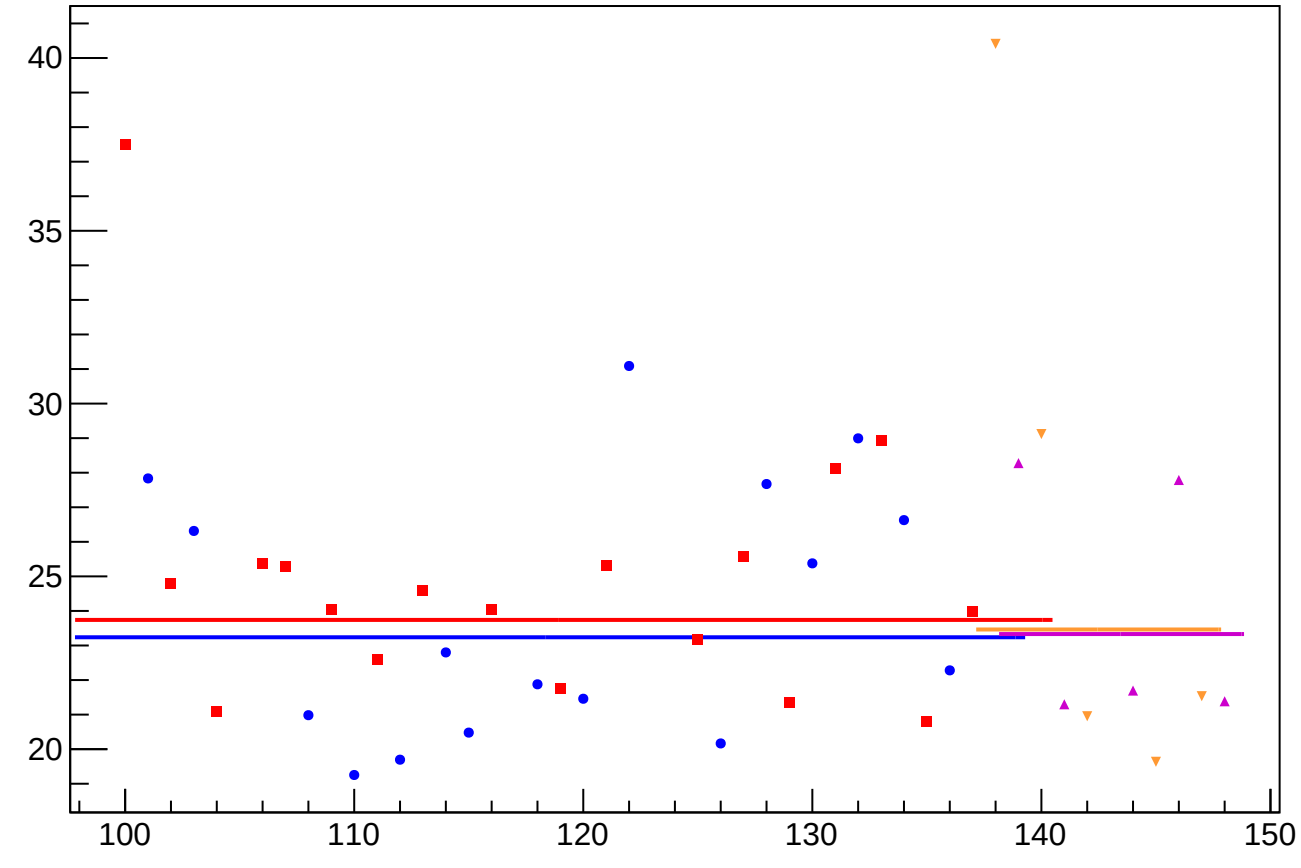
Left: 0.002+/-0.009 χ^2/NDF: 9.2/9

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

In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.002+/-0.005 χ^2/NDF: 32.2/43



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

Left Out: 23.463+/-0.010 χ^2/NDF:372796.2/4

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

Left In: 23.331+/-0.008 χ^2/NDF:124192.1/4

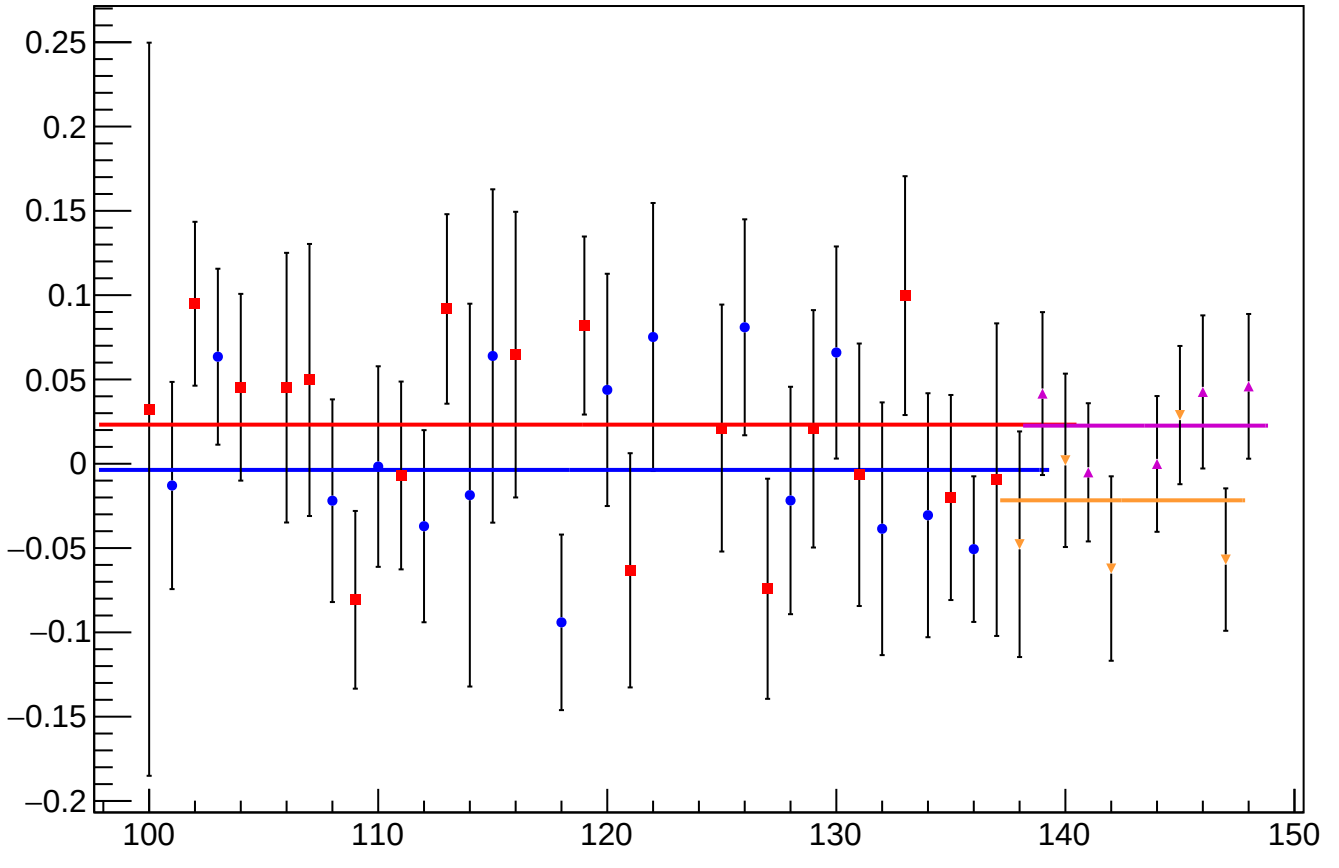
Left: 23.389+/-0.006 χ^2/NDF: 497096.3/9

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

In: 23.273+/-0.005 χ^2/NDF:383503.9/20

Out: 23.650+/-0.005 χ^2/NDF:499553.1/22

All: 23.453+/-0.004 χ^2/NDF: 885598.2/43



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

Left Out: -0.022+/-0.022 χ^2/NDF:3.1/4

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

Left In: 0.023+/-0.019 χ^2/NDF:1.4/4

Left: 0.003+/-0.014 χ^2/NDF: 6.8/9

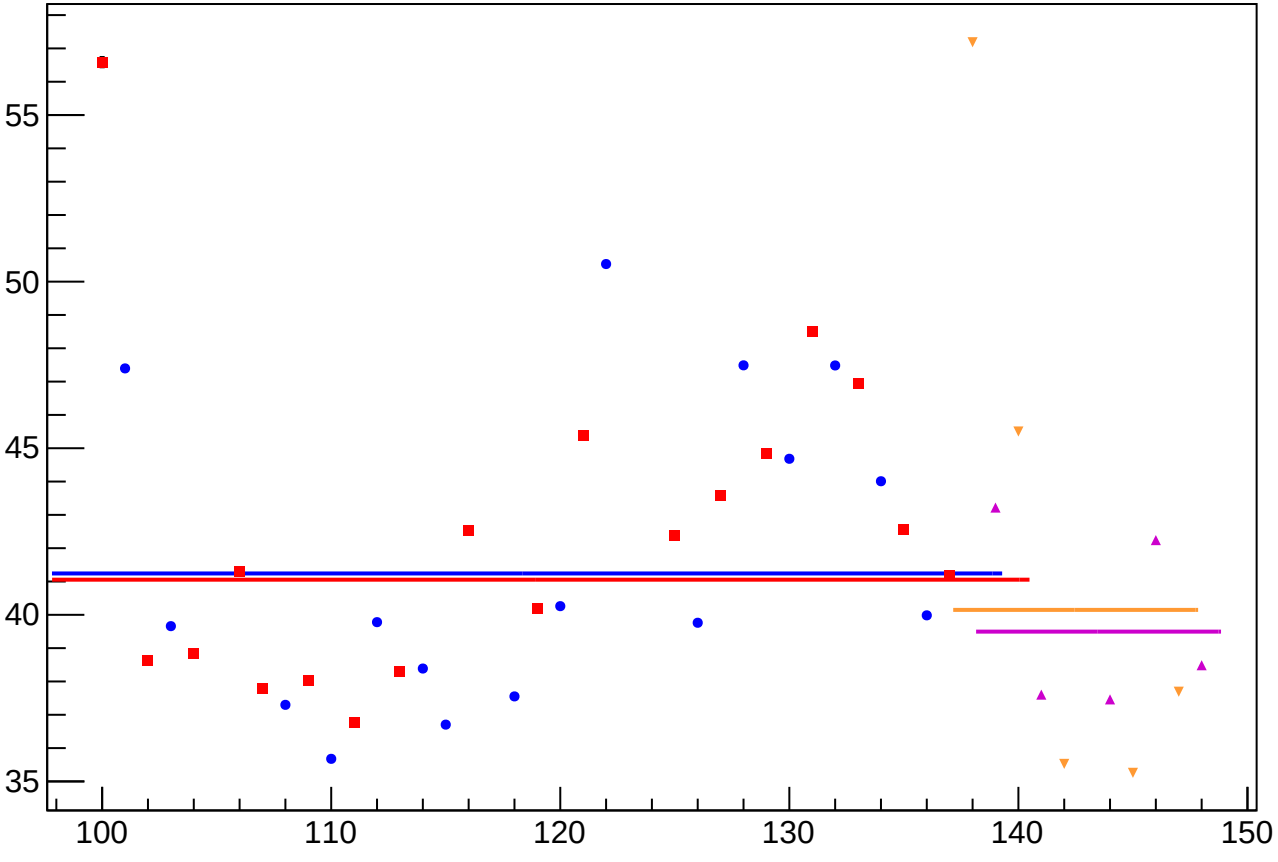
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.007+/-0.012 χ^2/NDF:14.2/20

Out: 0.008+/-0.013 χ^2/NDF:21.3/22

All: 0.007+/-0.009 χ^2/NDF: 35.5/43

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: 40.148+/-0.015 χ^2/NDF:200859.2/4

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

Left In: 39.496+/-0.014 χ^2/NDF:29664.9/4

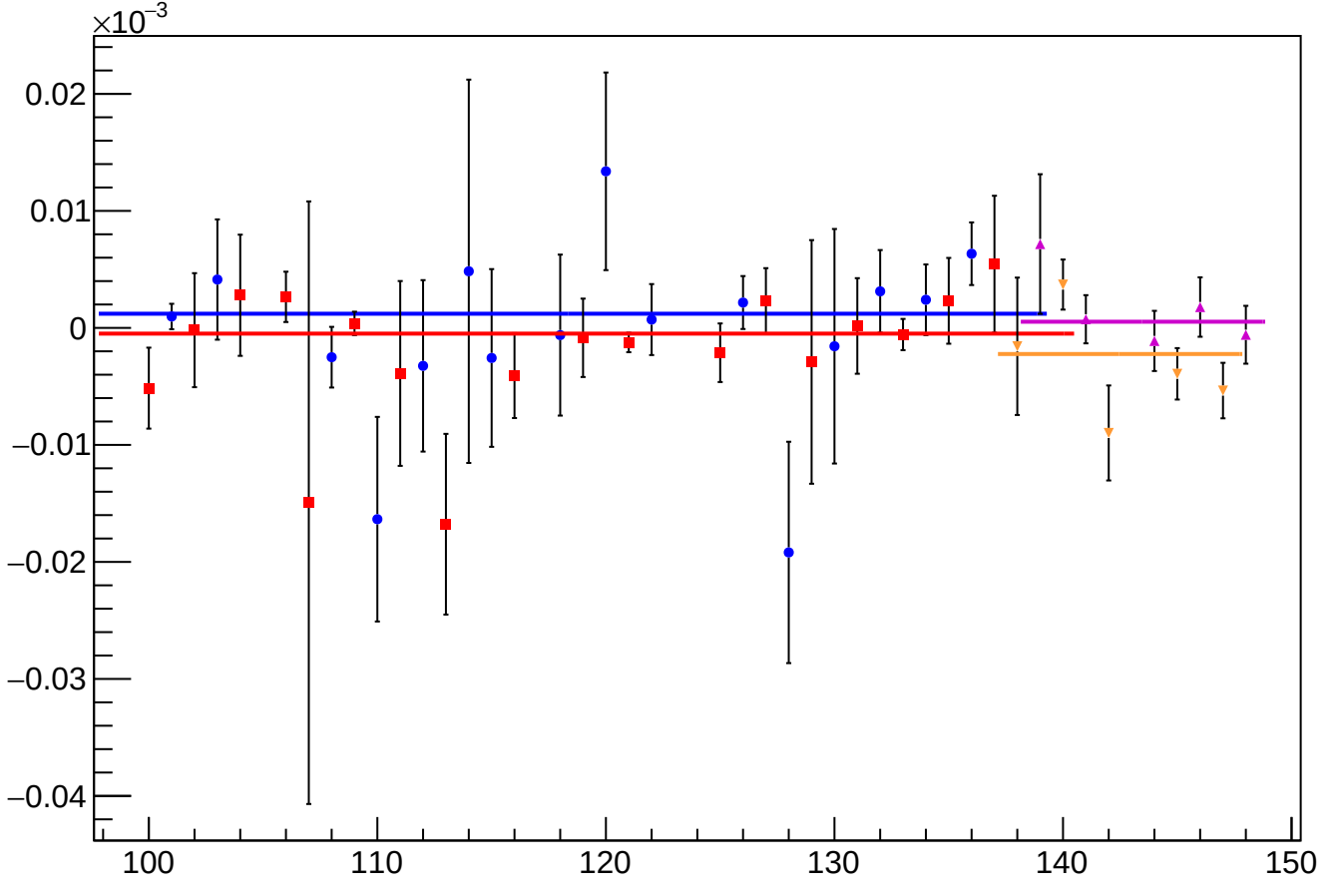
Left: 39.782+/-0.010 χ^2/NDF: 231521.7/9

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

In: 40.547+/-0.009 χ^2/NDF:174738.9/20

Out: 40.751+/-0.009 χ^2/NDF:299707.6/22

All: 40.646+/-0.006 χ^2/NDF: 474716.5/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/4

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

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

Left: -0.000+/-0.000 χ^2/NDF: 17.6/9

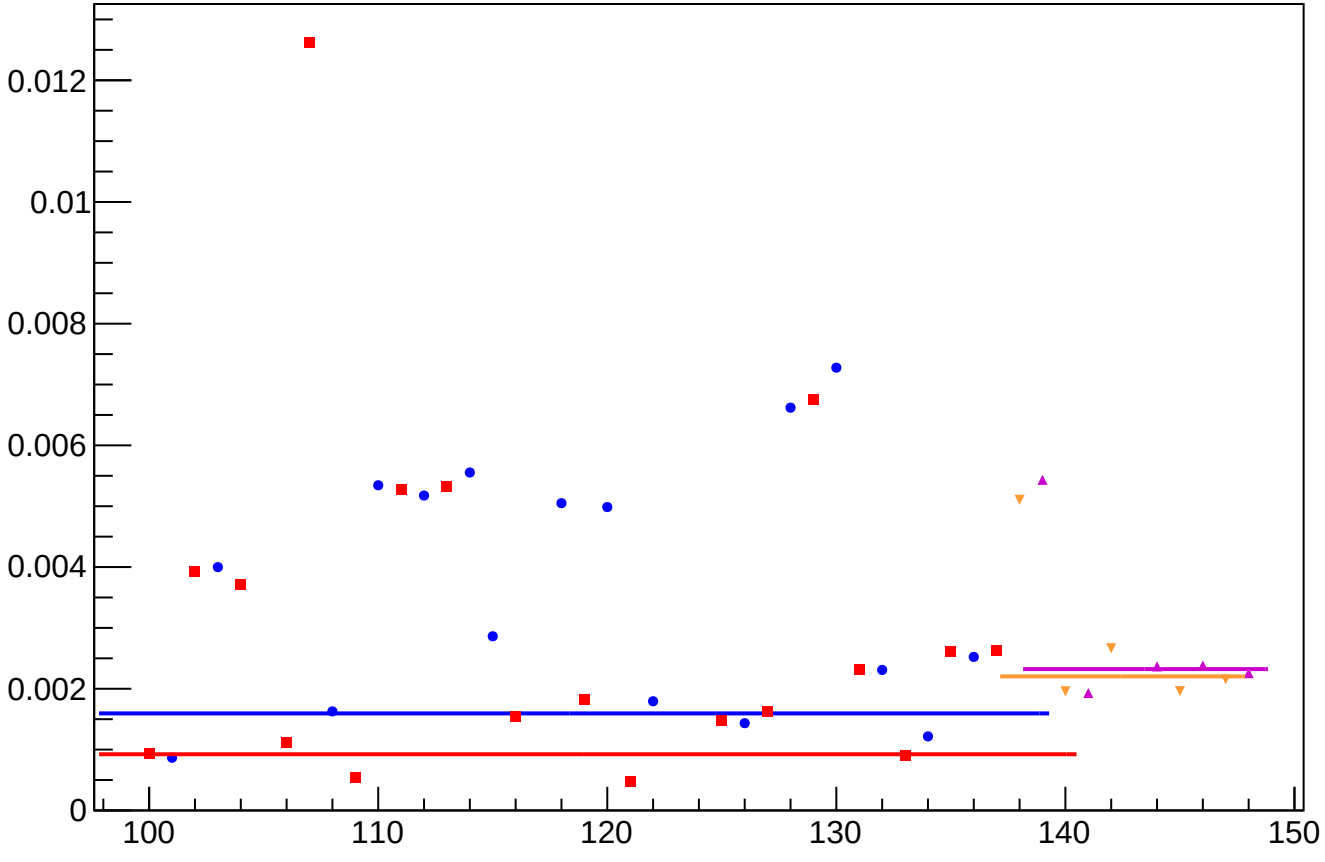
Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:20.7/20

Out: -0.000+/-0.000 χ^2/NDF:29.6/22

All: -0.000+/-0.000 χ^2/NDF: 55.3/43

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left Out: 0.002+/-0.000 χ^2/NDF:565994.7/4

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

Left In: 0.002+/-0.000 χ^2/NDF:619539.6/4

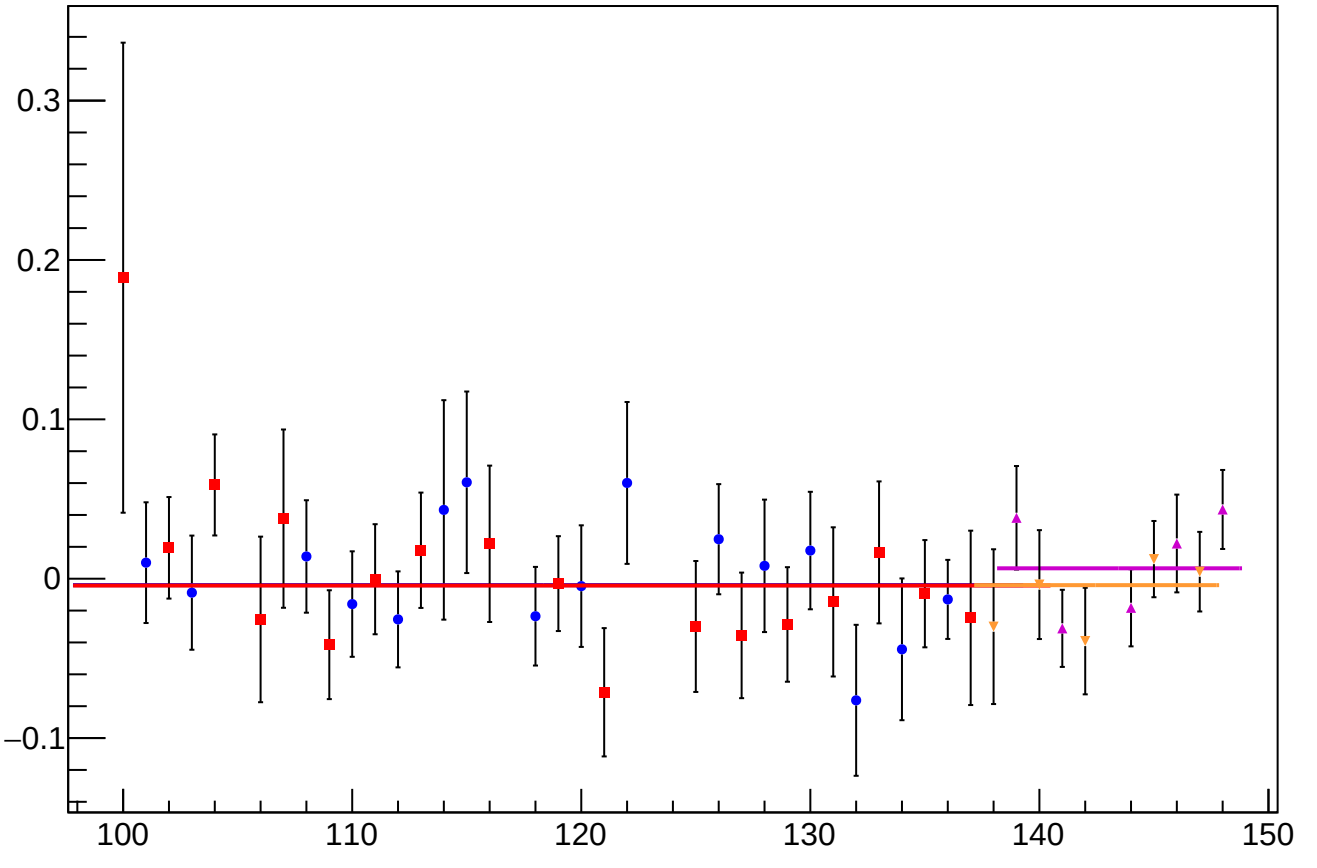
Left: 0.002+/-0.000 χ^2/NDF: 1195824.1/9

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

In: 0.002+/-0.000 χ^2/NDF:5932284.7/20

Out: 0.001+/-0.000 χ^2/NDF:8282324.1/22

All: 0.001+/-0.000 χ^2/NDF: 15810112.2/43



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

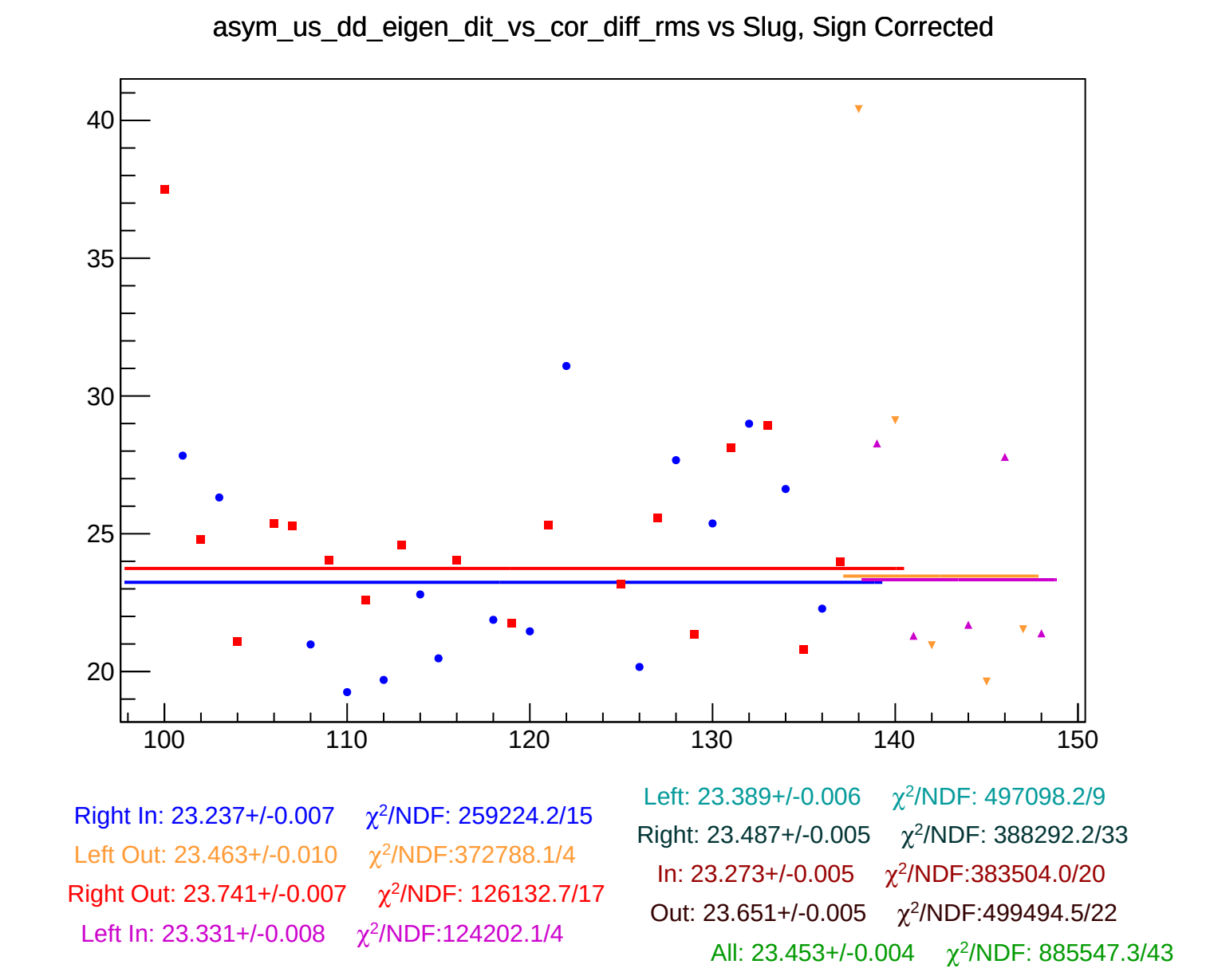
Left: 0.002+/-0.009 χ^2/NDF: 9.2/9

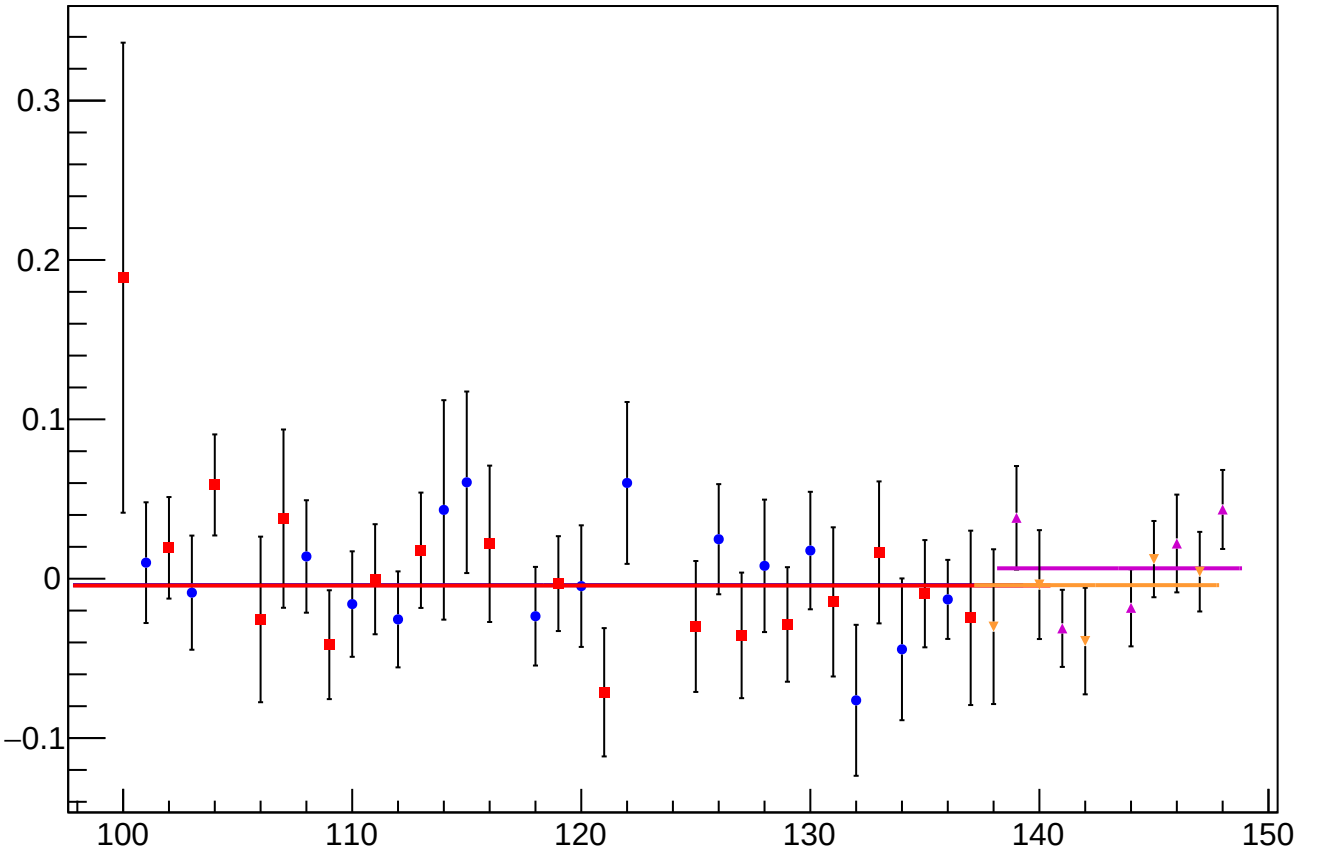
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.002+/-0.005 χ^2/NDF: 32.2/43


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.463+/-0.010 χ²/NDF:372788.1/4
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.331+/-0.008 χ²/NDF:124202.1/4
Left: 23.389+/-0.006 χ²/NDF: 497098.2/9
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.273+/-0.005 χ²/NDF:383504.0/20
Out: 23.651+/-0.005 χ²/NDF:499494.5/22
All: 23.453+/-0.004 χ²/NDF: 885547.3/43



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

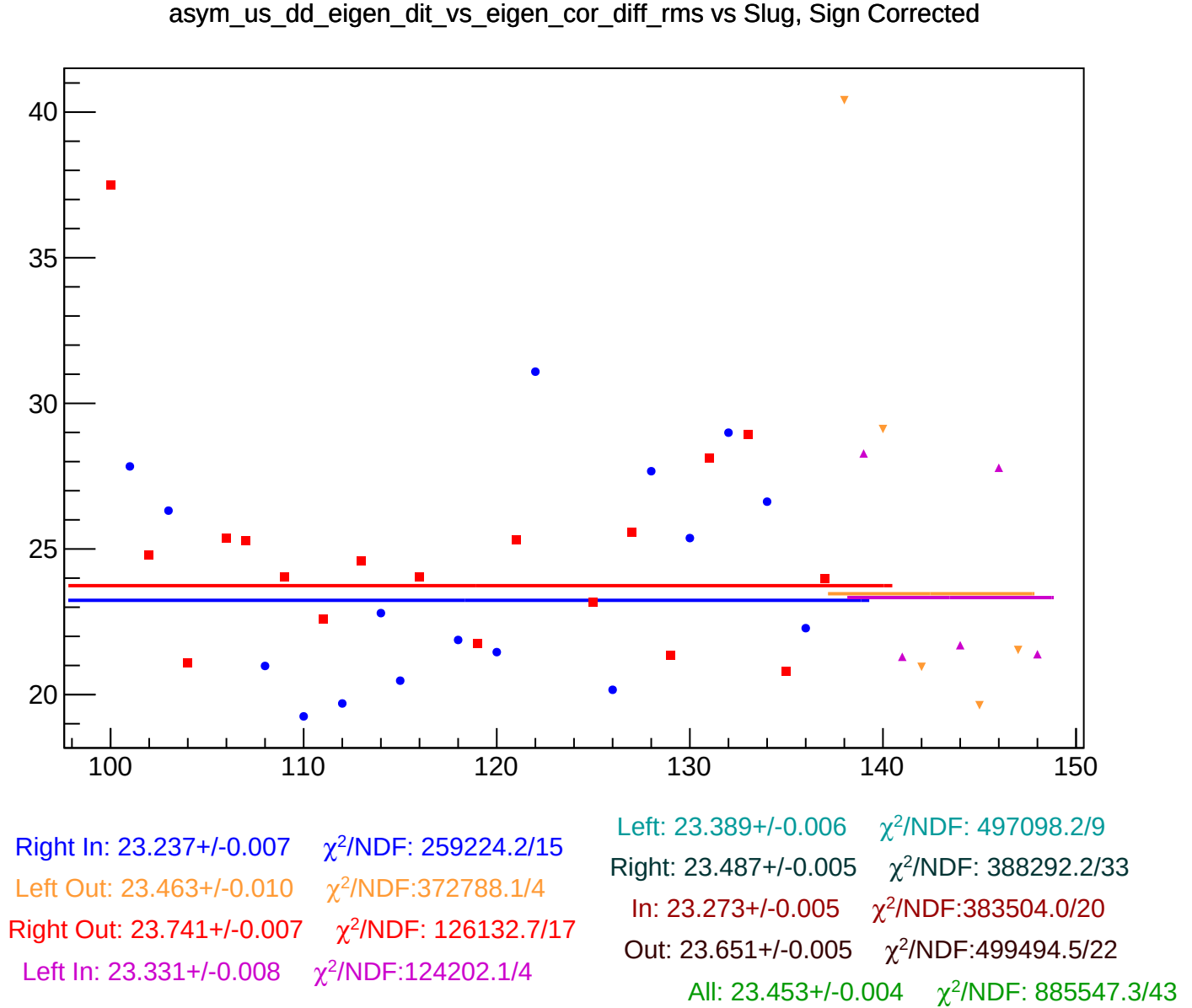
Left: 0.002+/-0.009 χ^2/NDF: 9.2/9

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

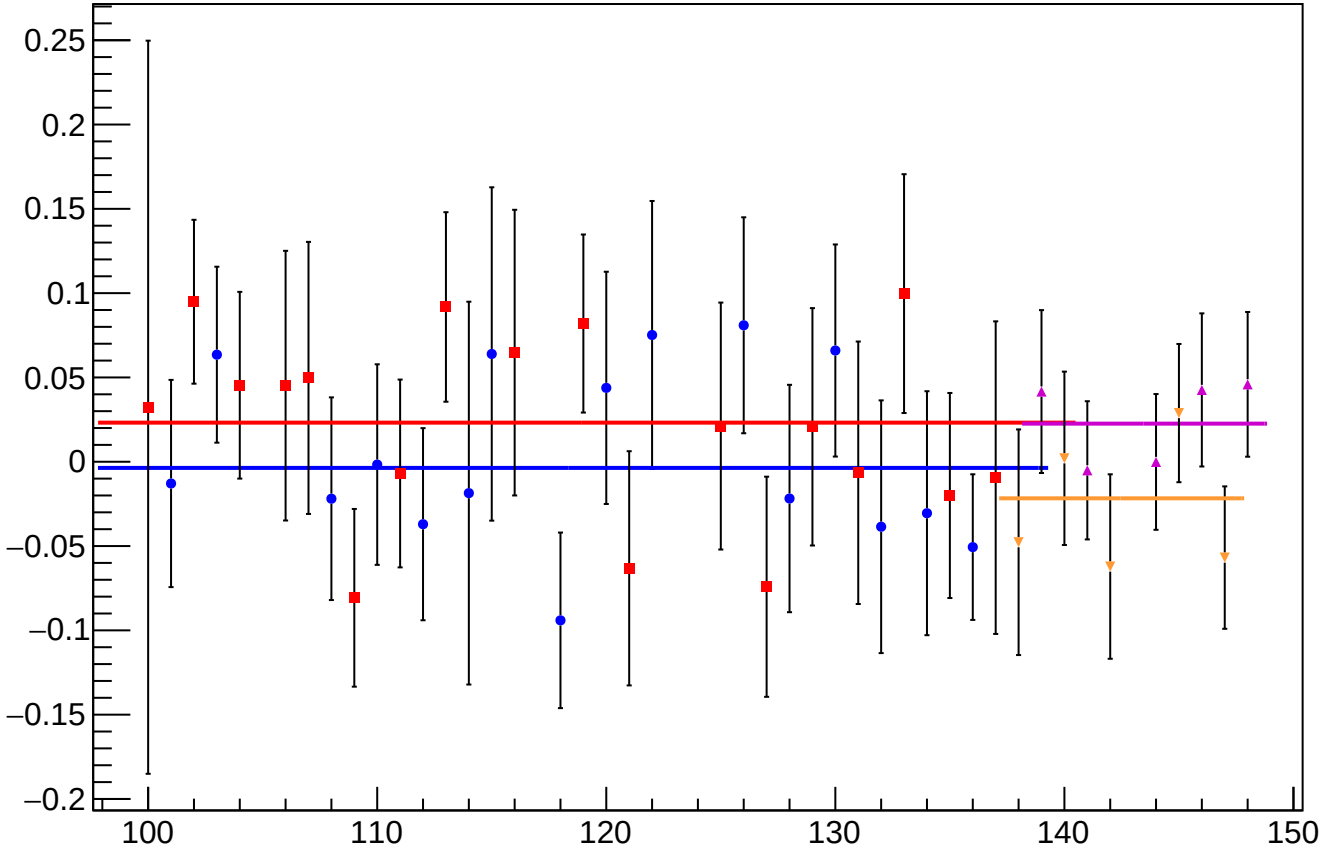
In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.002+/-0.005 χ^2/NDF: 32.2/43


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.463+/-0.010 χ²/NDF:372788.1/4
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.331+/-0.008 χ²/NDF:124202.1/4
Left: 23.389+/-0.006 χ²/NDF: 497098.2/9
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.273+/-0.005 χ²/NDF:383504.0/20
Out: 23.651+/-0.005 χ²/NDF:499494.5/22
All: 23.453+/-0.004 χ²/NDF: 885547.3/43

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: -0.022+/-0.022 χ^2/NDF:3.1/4

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

Left In: 0.023+/-0.019 χ^2/NDF:1.4/4

Left: 0.003+/-0.014 χ^2/NDF: 6.8/9

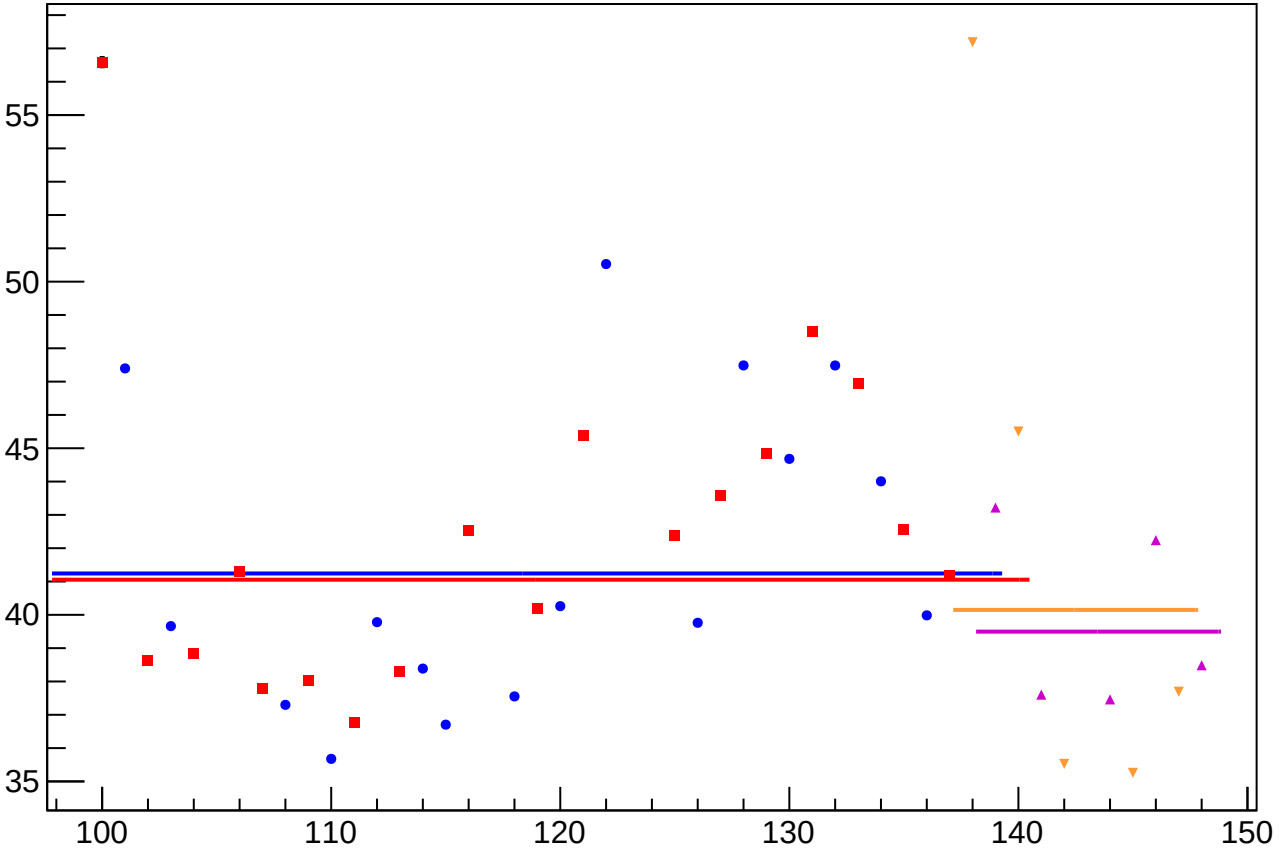
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.007+/-0.012 χ^2/NDF:14.2/20

Out: 0.008+/-0.013 χ^2/NDF:21.3/22

All: 0.007+/-0.009 χ^2/NDF: 35.5/43

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: 40.148+/-0.015 χ^2/NDF:200858.5/4

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

Left In: 39.496+/-0.014 χ^2/NDF:29669.6/4

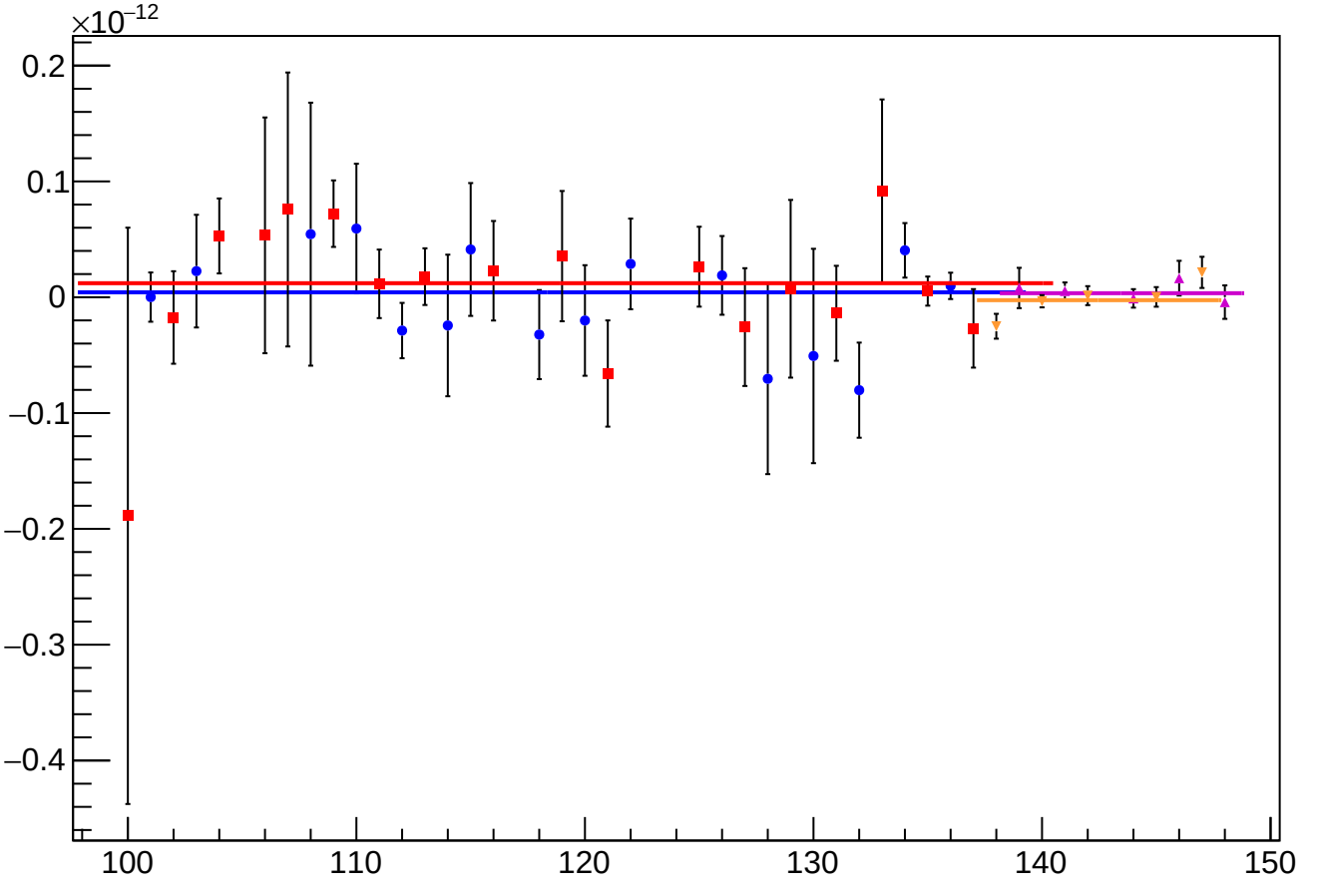
Left: 39.783+/-0.010 χ^2/NDF: 231525.6/9

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

In: 40.547+/-0.009 χ^2/NDF:174717.6/20

Out: 40.751+/-0.009 χ^2/NDF:299695.3/22

All: 40.646+/-0.006 χ^2/NDF: 474683.1/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

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

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

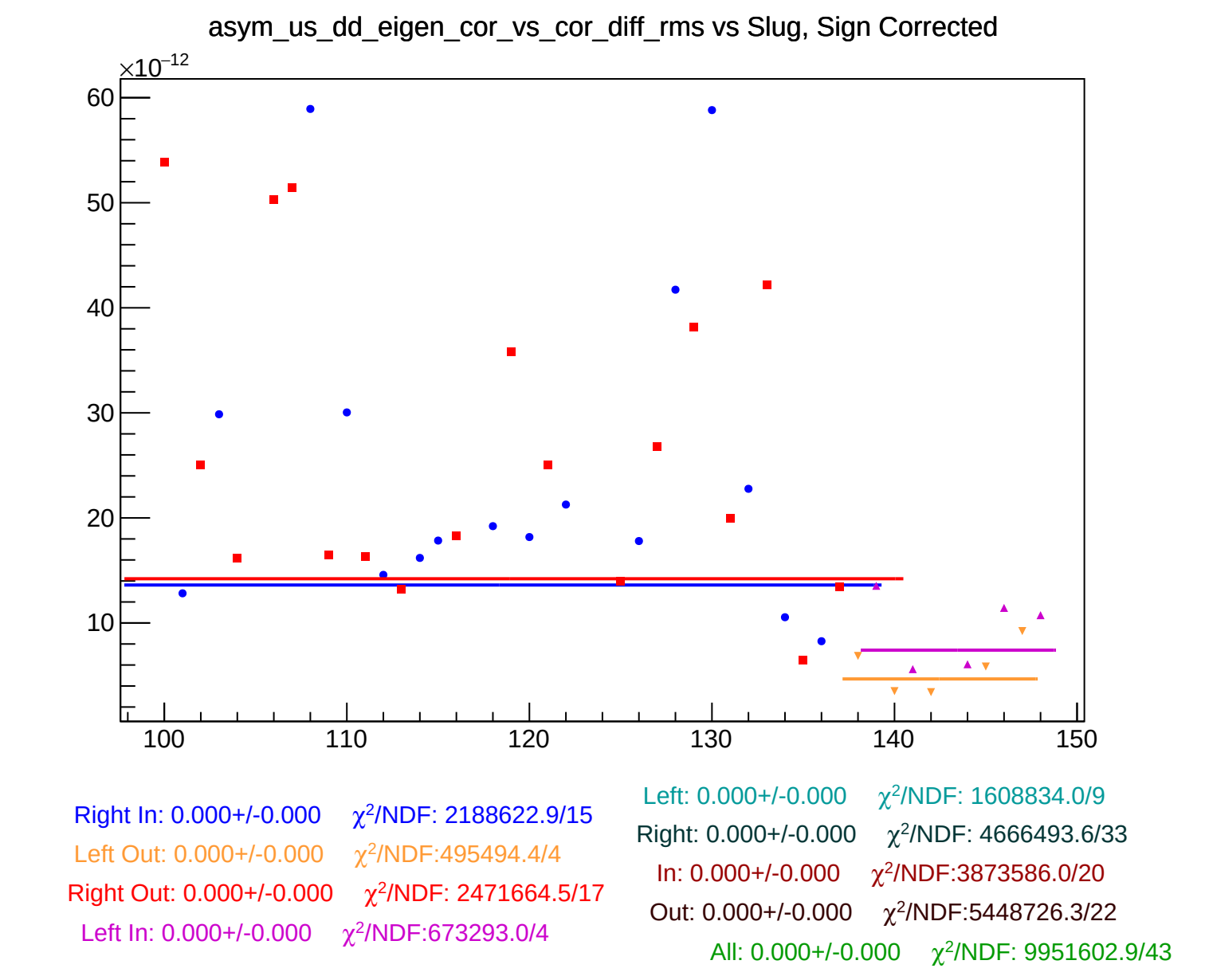
Left: -0.000+/-0.000 χ^2/NDF: 10.5/9

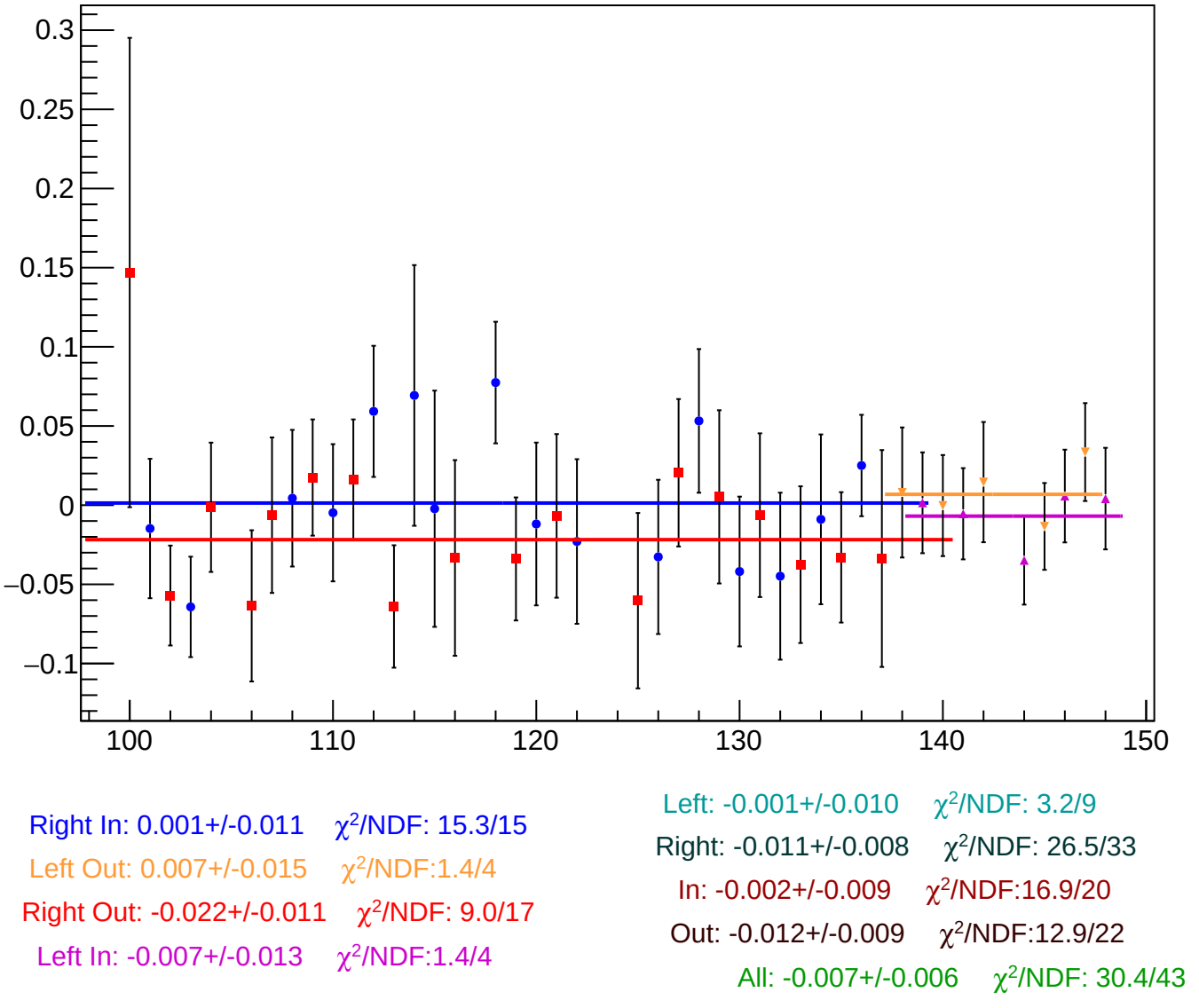
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:15.1/20

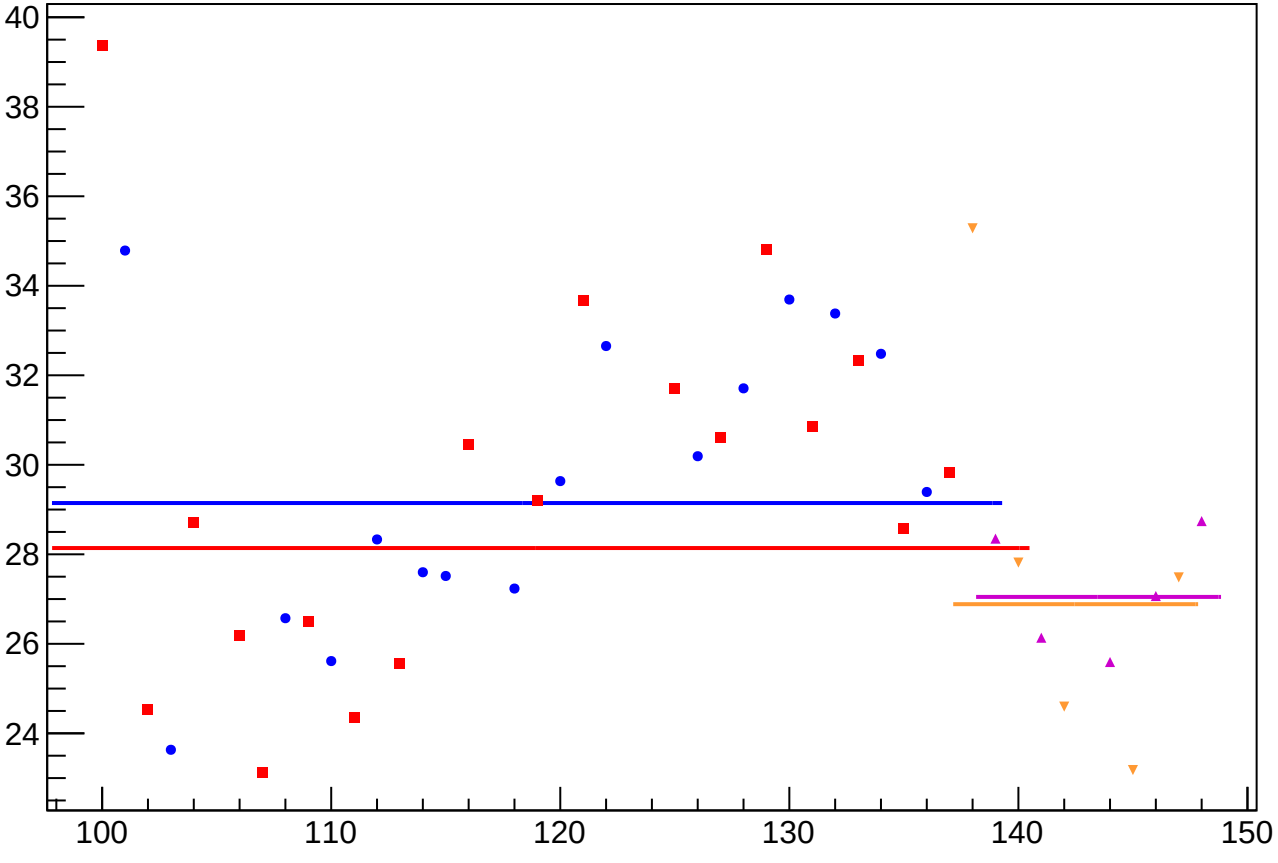
Out: -0.000+/-0.000 χ^2/NDF:25.4/22

All: 0.000+/-0.000 χ^2/NDF: 41.1/43


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:495494.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:673293.0/4
Left: 0.000+/-0.000 χ²/NDF: 1608834.0/9
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3873586.0/20
Out: 0.000+/-0.000 χ²/NDF:5448726.3/22
All: 0.000+/-0.000 χ²/NDF: 9951602.9/43


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: 0.007+/-0.015 χ²/NDF:1.4/4
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: -0.007+/-0.013 χ²/NDF:1.4/4
Left: -0.001+/-0.010 χ²/NDF: 3.2/9
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: -0.002+/-0.009 χ²/NDF:16.9/20
Out: -0.012+/-0.009 χ²/NDF:12.9/22
All: -0.007+/-0.006 χ²/NDF: 30.4/43

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.886+/-0.010 χ^2/NDF:129886.6/4

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

Left In: 27.048+/-0.009 χ^2/NDF:16331.6/4

Left: 26.974+/-0.007 χ^2/NDF: 146352.1/9

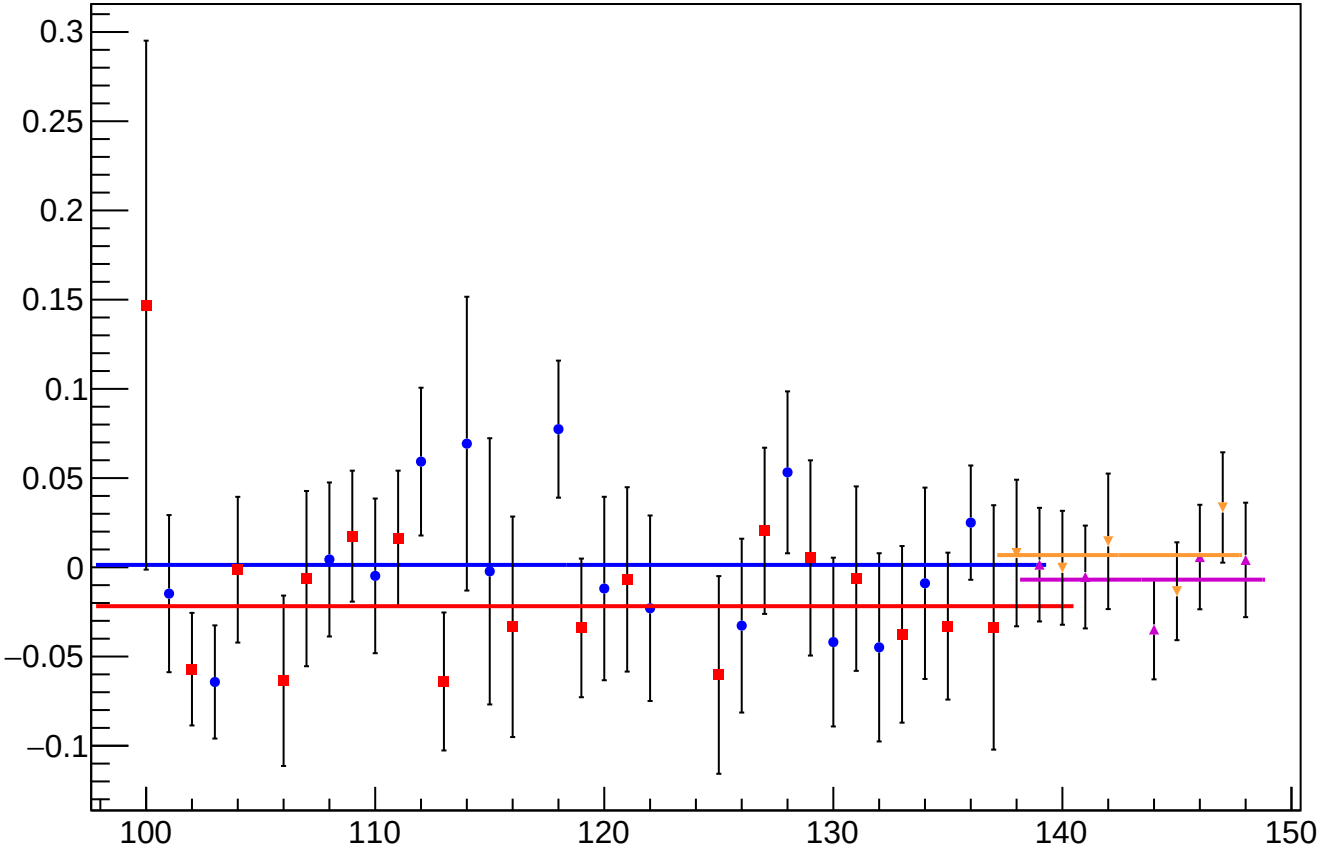
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.278+/-0.006 χ^2/NDF:222157.0/20

Out: 27.700+/-0.006 χ^2/NDF:326482.6/22

All: 27.993+/-0.004 χ^2/NDF: 553117.5/43

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: 0.007+/-0.015 χ^2/NDF:1.4/4

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

Left In: -0.007+/-0.013 χ^2/NDF:1.4/4

Left: -0.001+/-0.010 χ^2/NDF: 3.2/9

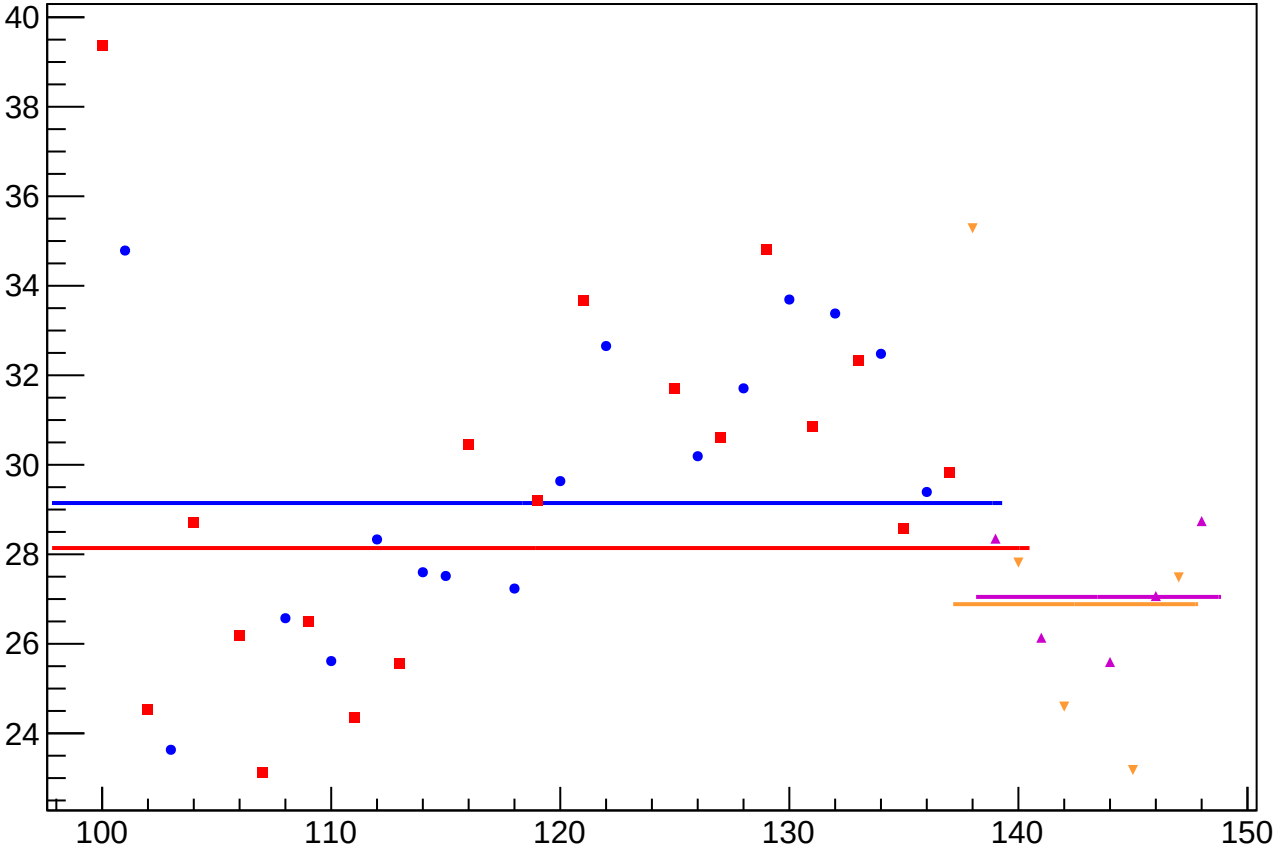
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.002+/-0.009 χ^2/NDF:16.9/20

Out: -0.012+/-0.009 χ^2/NDF:12.9/22

All: -0.007+/-0.006 χ^2/NDF: 30.4/43

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: 26.886+/-0.010 χ^2/NDF:129886.6/4

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

Left In: 27.048+/-0.009 χ^2/NDF:16331.6/4

Left: 26.974+/-0.007 χ^2/NDF: 146352.1/9

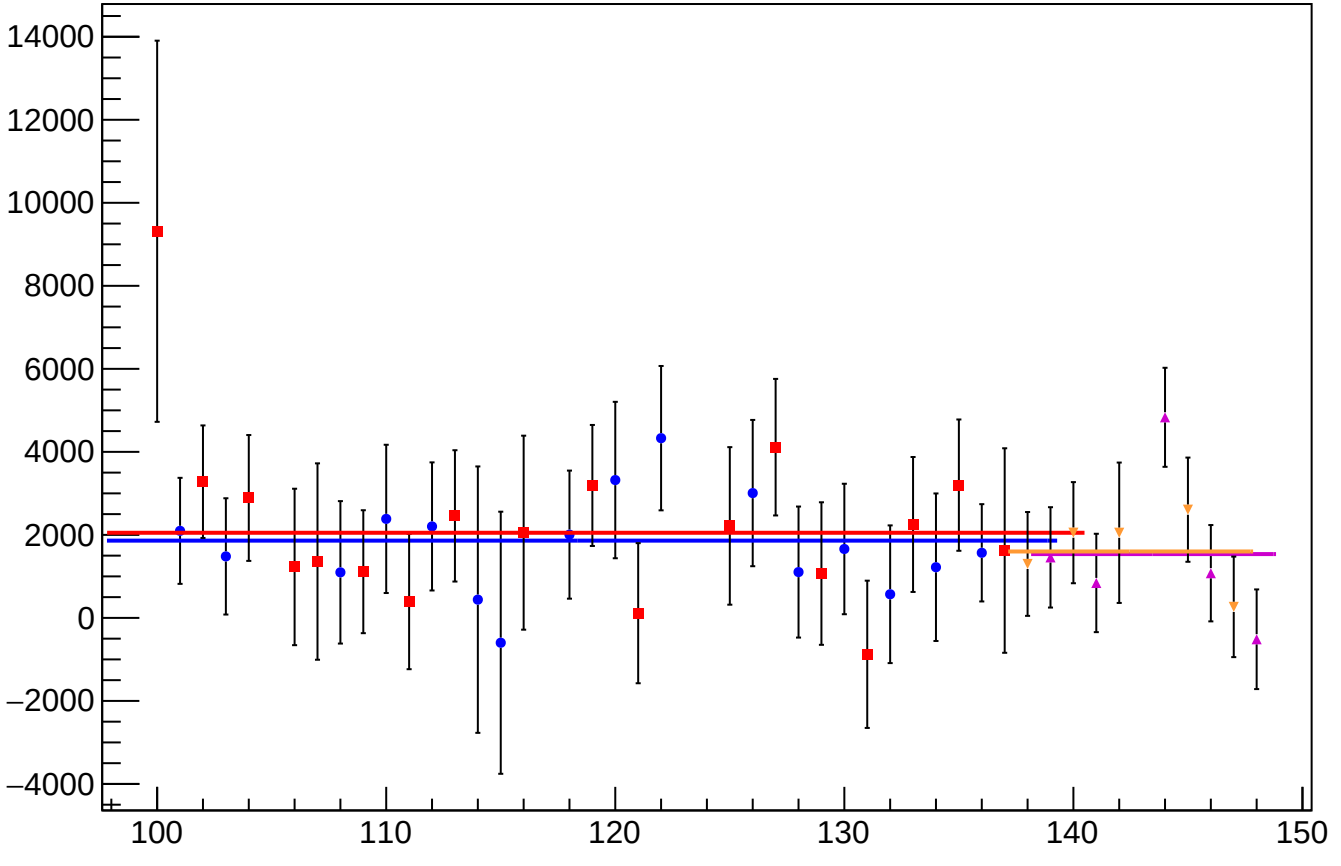
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.278+/-0.006 χ^2/NDF:222157.0/20

Out: 27.700+/-0.006 χ^2/NDF:326482.6/22

All: 27.993+/-0.004 χ^2/NDF: 553117.5/43

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

Left In: 1537.436+/-531.808 χ^2/NDF:11.1/4

Left: 1566.115+/-391.758 χ^2/NDF: 13.2/9

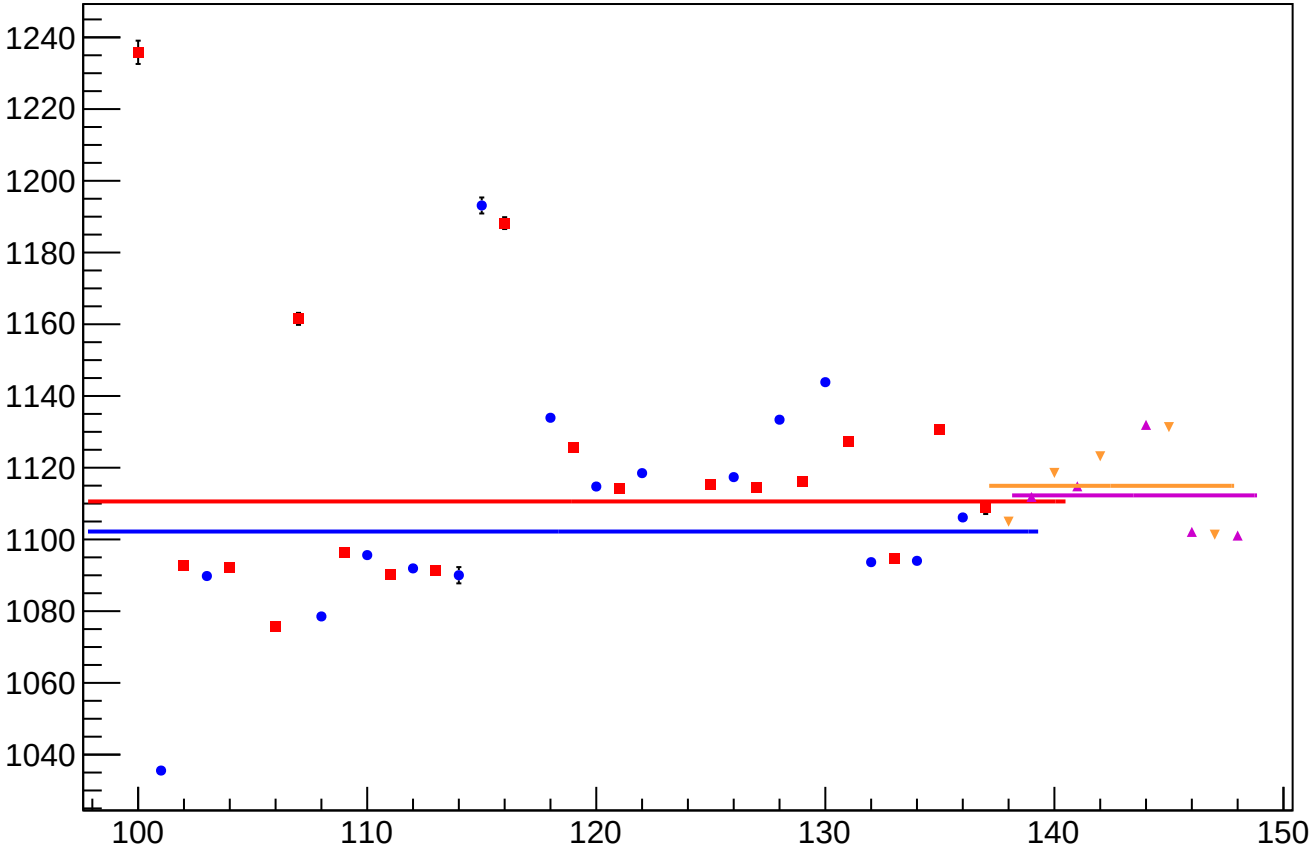
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1740.883+/-324.468 χ^2/NDF:16.6/20

Out: 1900.792+/-334.252 χ^2/NDF:15.1/22

All: 1818.463+/-232.816 χ^2/NDF: 31.8/43

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

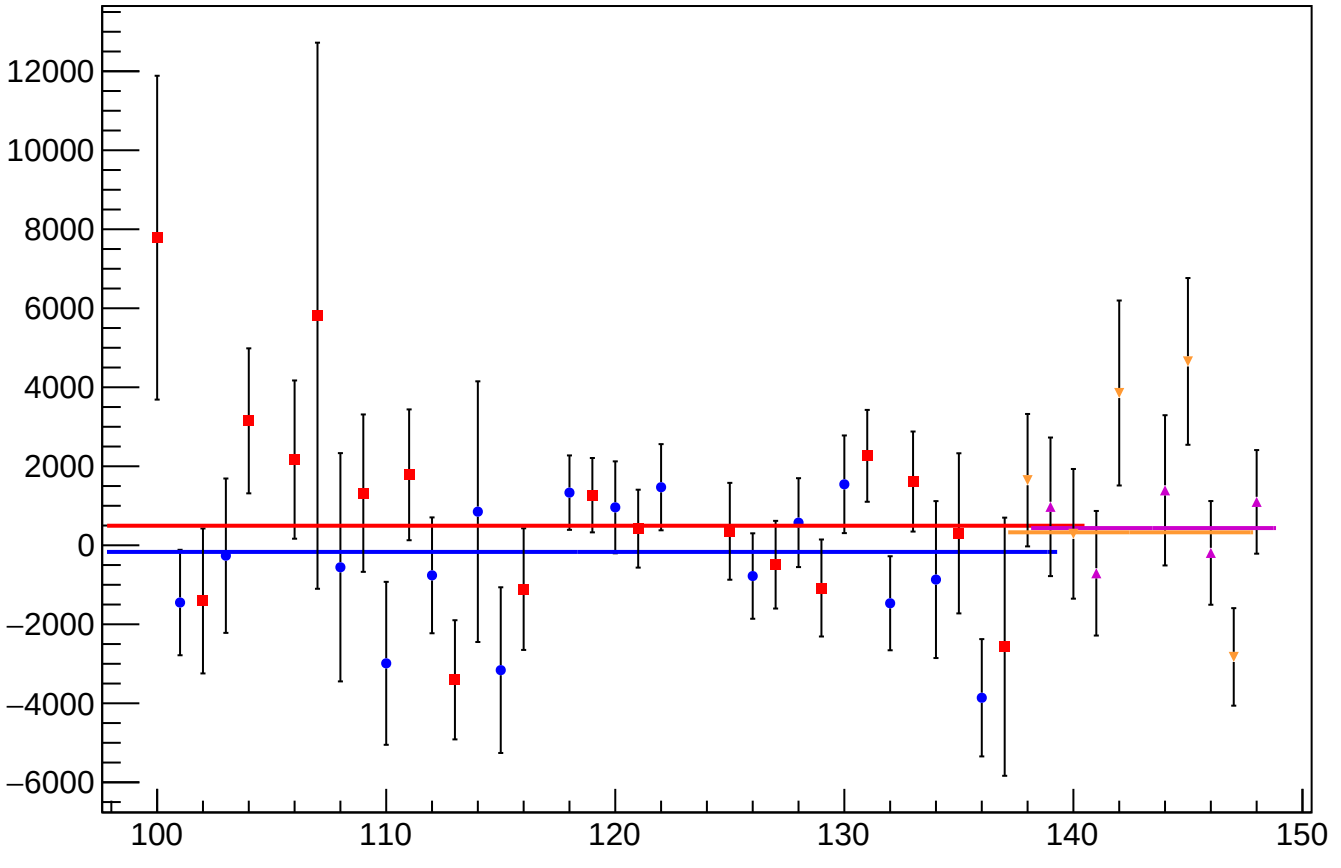
Left: 1113.503+/-0.277 χ^2/NDF: 1689.5/9

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

In: 1105.956+/-0.229 χ^2/NDF:12680.4/20

Out: 1112.043+/-0.236 χ^2/NDF:8557.4/22

All: 1108.909+/-0.165 χ^2/NDF: 21579.2/43



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

Left In: 435.793+/-679.565 χ^2/NDF:1.4/4

Left: 387.265+/-502.808 χ^2/NDF: 15.0/9

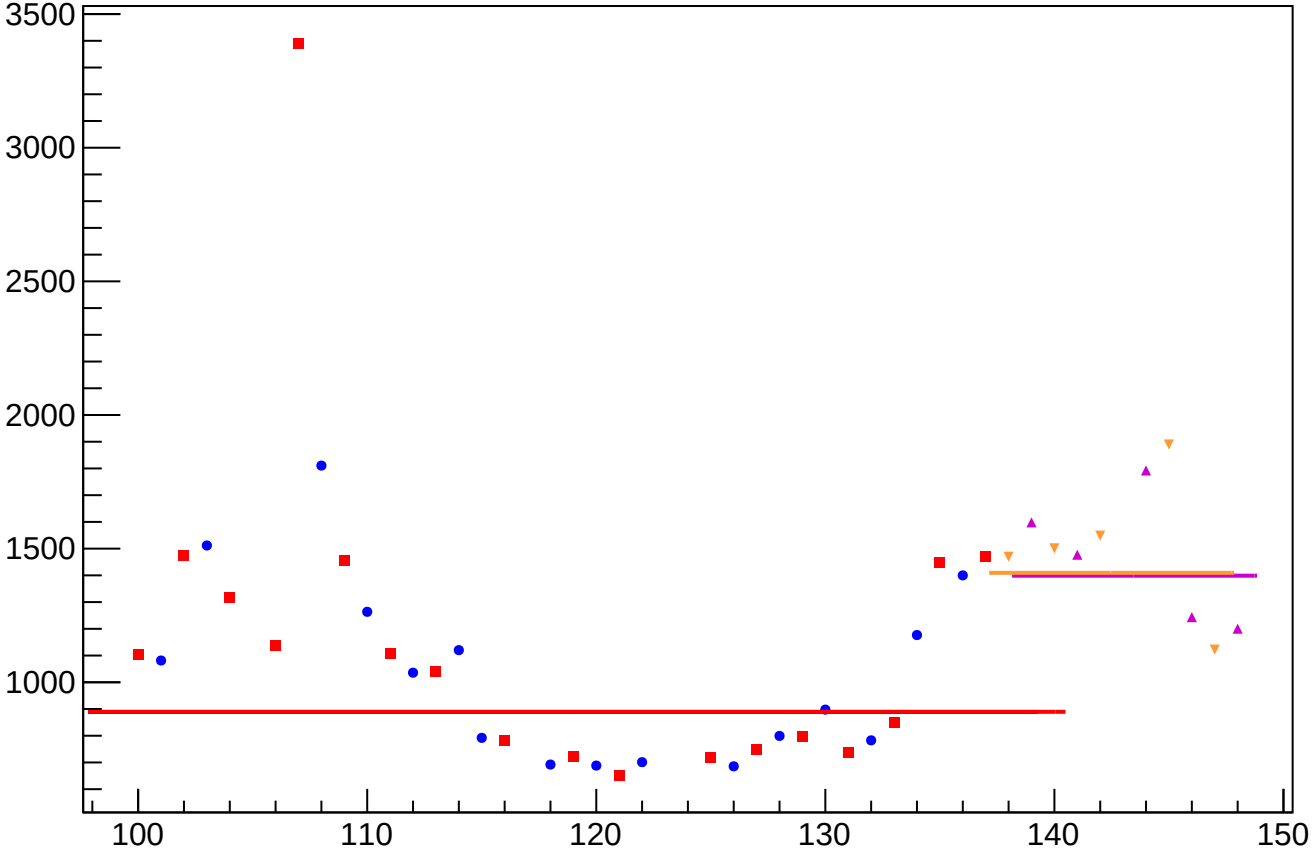
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -43.932+/-307.939 χ^2/NDF:23.0/20

Out: 465.901+/-313.281 χ^2/NDF:36.9/22

All: 206.601+/-219.610 χ^2/NDF: 61.3/43

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

Left: 1403.658+/-0.356 χ^2/NDF: 418004.6/9

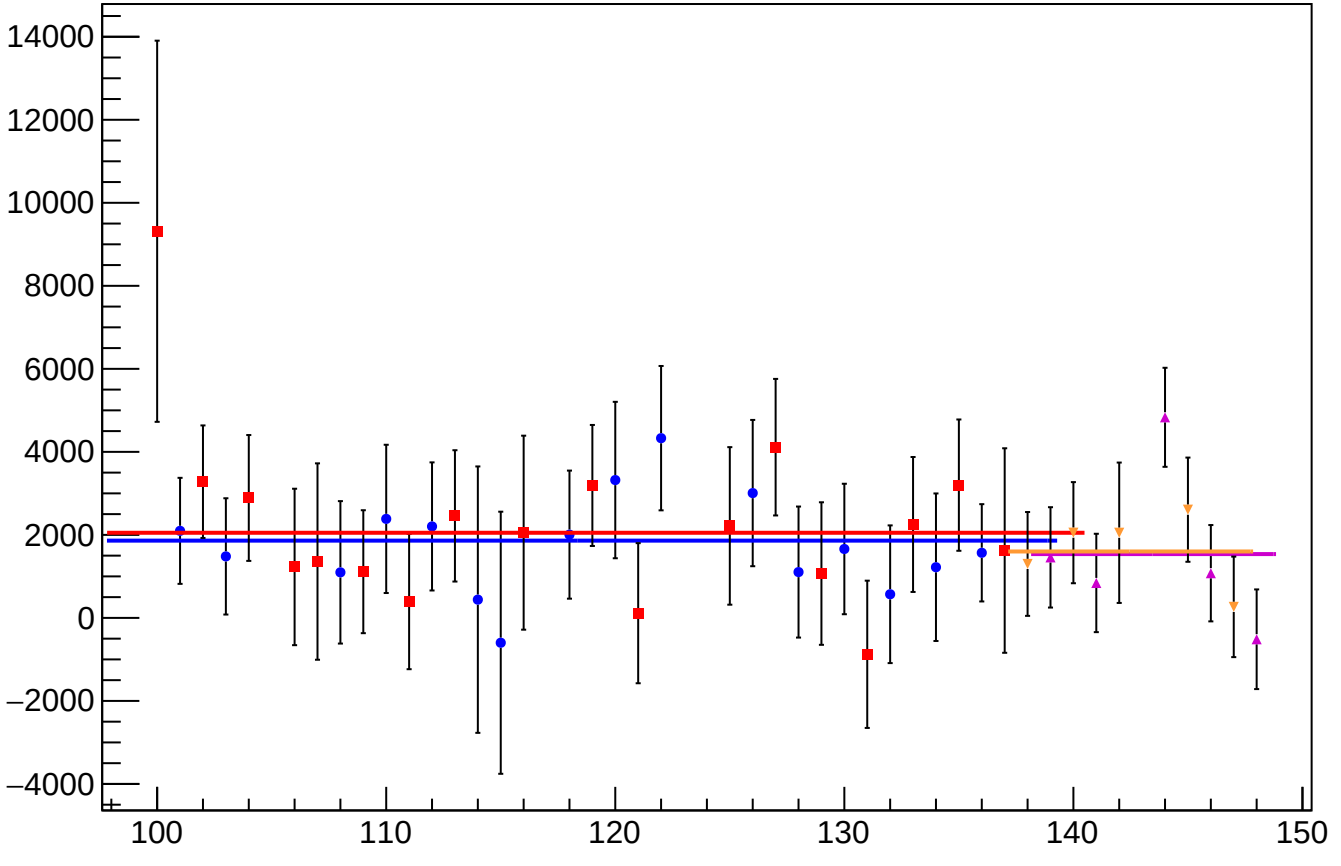
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 993.650+/-0.218 χ^2/NDF:2217551.6/20

Out: 980.839+/-0.222 χ^2/NDF:2371490.8/22

All: 987.355+/-0.155 χ^2/NDF: 4590743.3/43

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

Left In: 1537.436+/-531.808 χ^2/NDF:11.1/4

Left: 1566.115+/-391.758 χ^2/NDF: 13.2/9

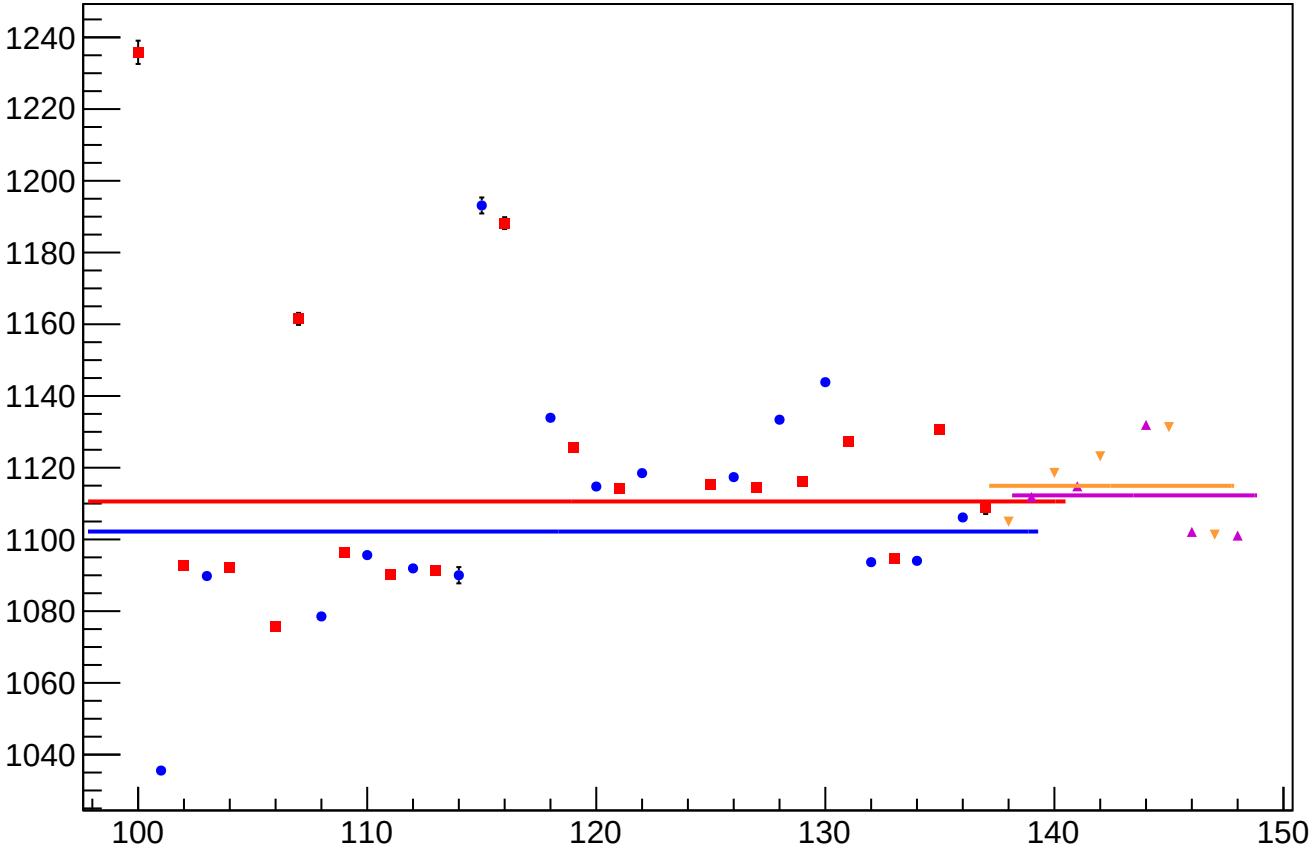
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1740.883+/-324.468 χ^2/NDF:16.6/20

Out: 1900.792+/-334.252 χ^2/NDF:15.1/22

All: 1818.463+/-232.816 χ^2/NDF: 31.8/43

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

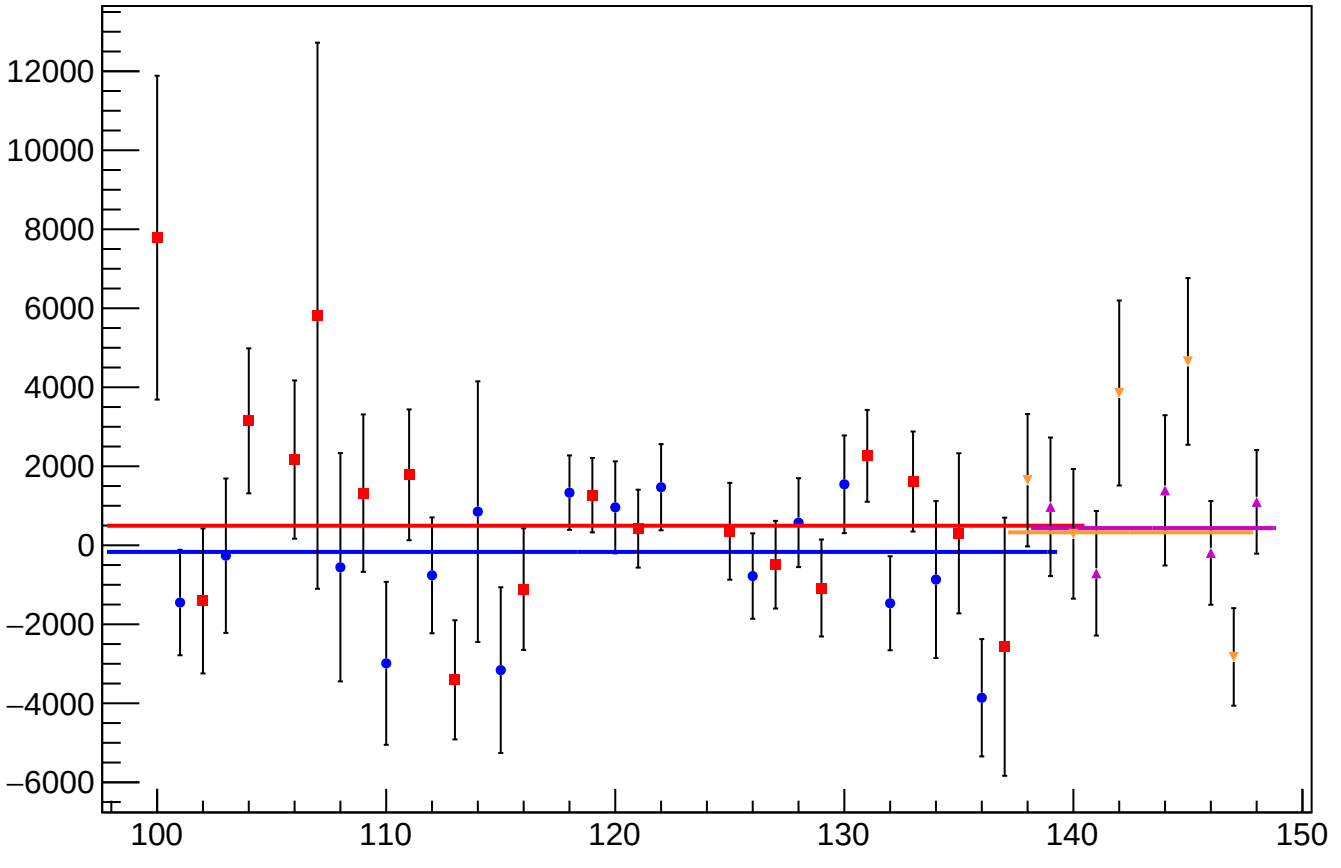
Left: 1113.503+/-0.277 χ^2/NDF: 1689.5/9

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

In: 1105.956+/-0.229 χ^2/NDF:12680.4/20

Out: 1112.043+/-0.236 χ^2/NDF:8557.4/22

All: 1108.909+/-0.165 χ^2/NDF: 21579.2/43



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

Left In: 435.793+/-679.565 χ^2/NDF:1.4/4

Left: 387.265+/-502.808 χ^2/NDF: 15.0/9

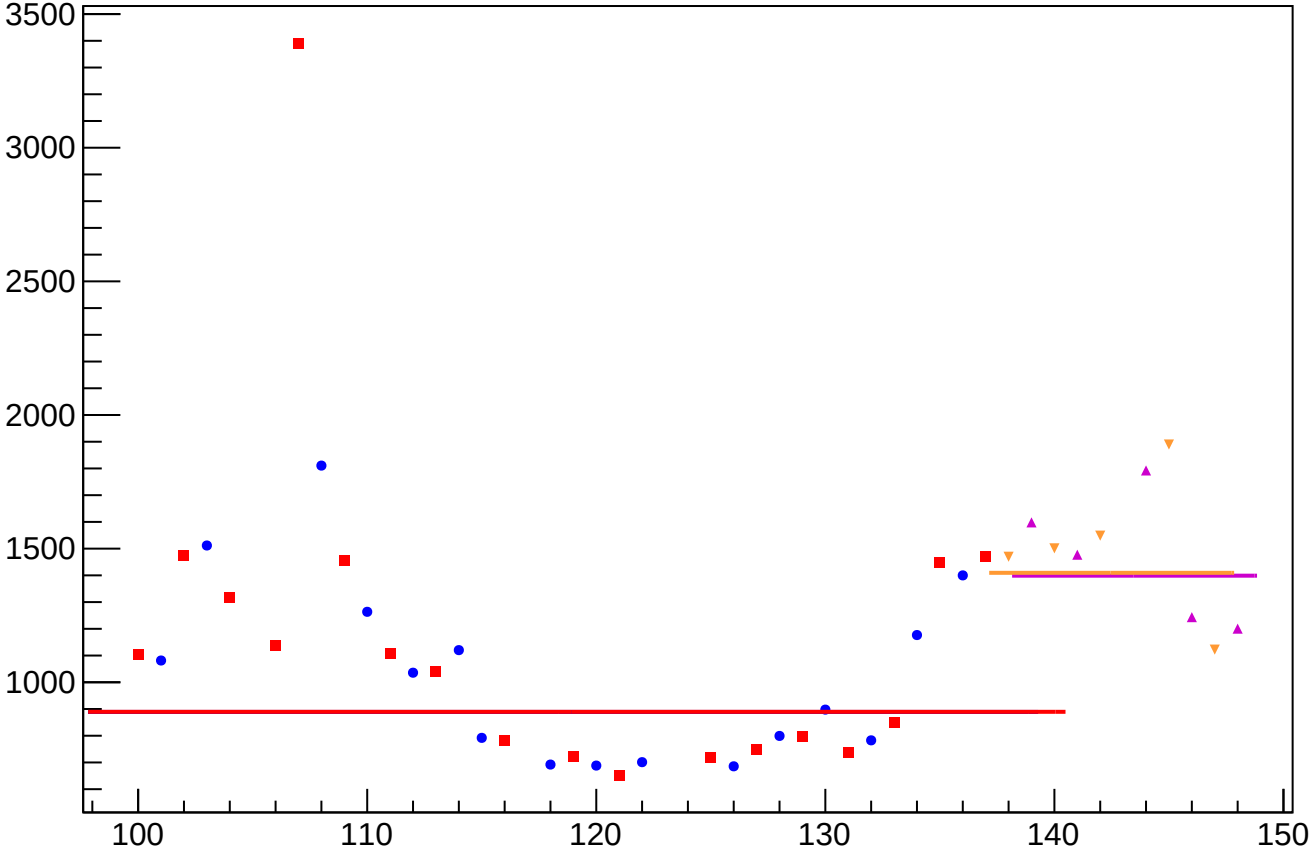
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -43.932+/-307.939 χ^2/NDF:23.0/20

Out: 465.901+/-313.281 χ^2/NDF:36.9/22

All: 206.601+/-219.610 χ^2/NDF: 61.3/43

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

Left: 1403.658+/-0.356 χ^2/NDF: 418004.6/9

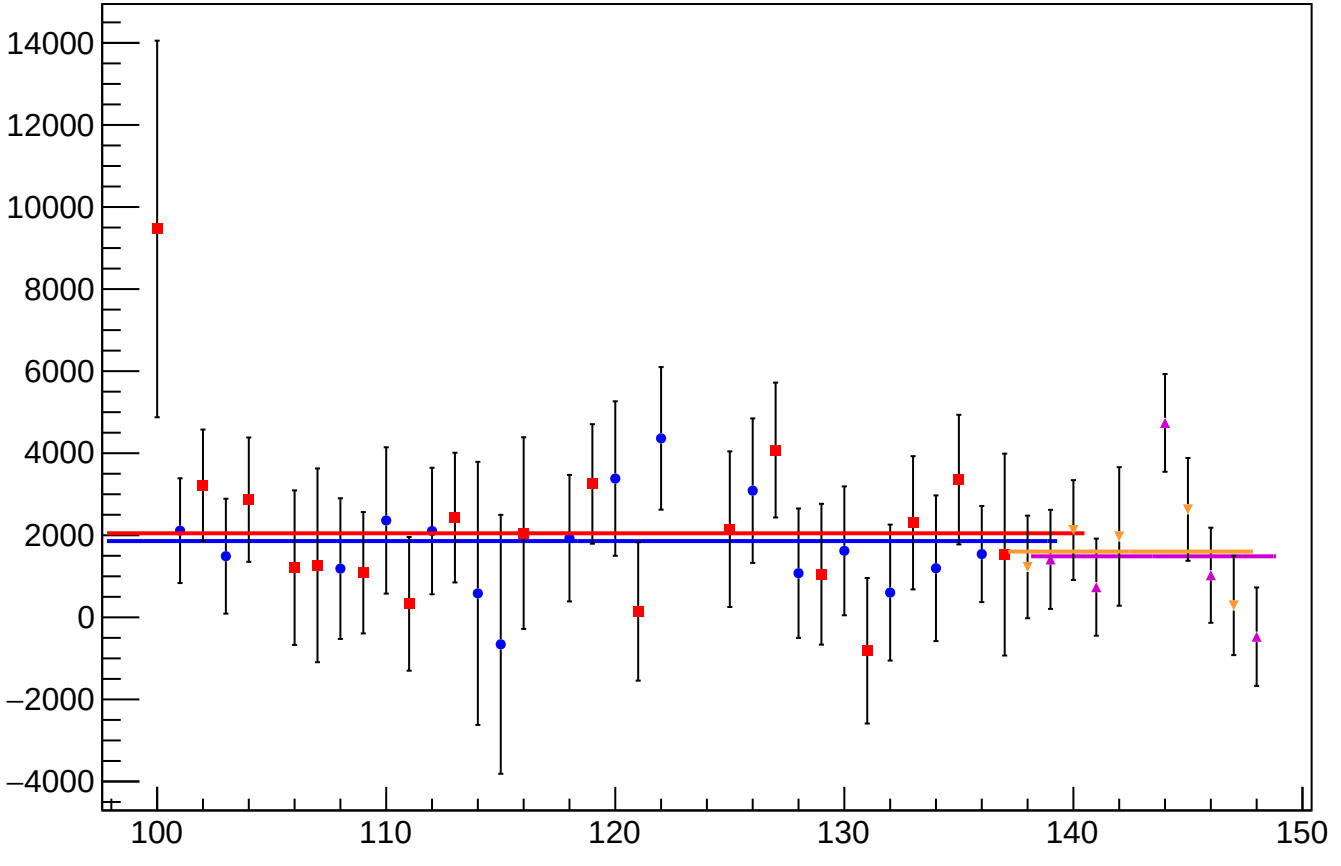
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 993.650+/-0.218 χ^2/NDF:2217551.6/20

Out: 980.839+/-0.222 χ^2/NDF:2371490.8/22

All: 987.355+/-0.155 χ^2/NDF: 4590743.3/43

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1603.670+/-578.542 χ^2/NDF:2.2/4

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

Left In: 1487.576+/-531.164 χ^2/NDF:10.7/4

Left: 1540.675+/-391.269 χ^2/NDF: 12.9/9

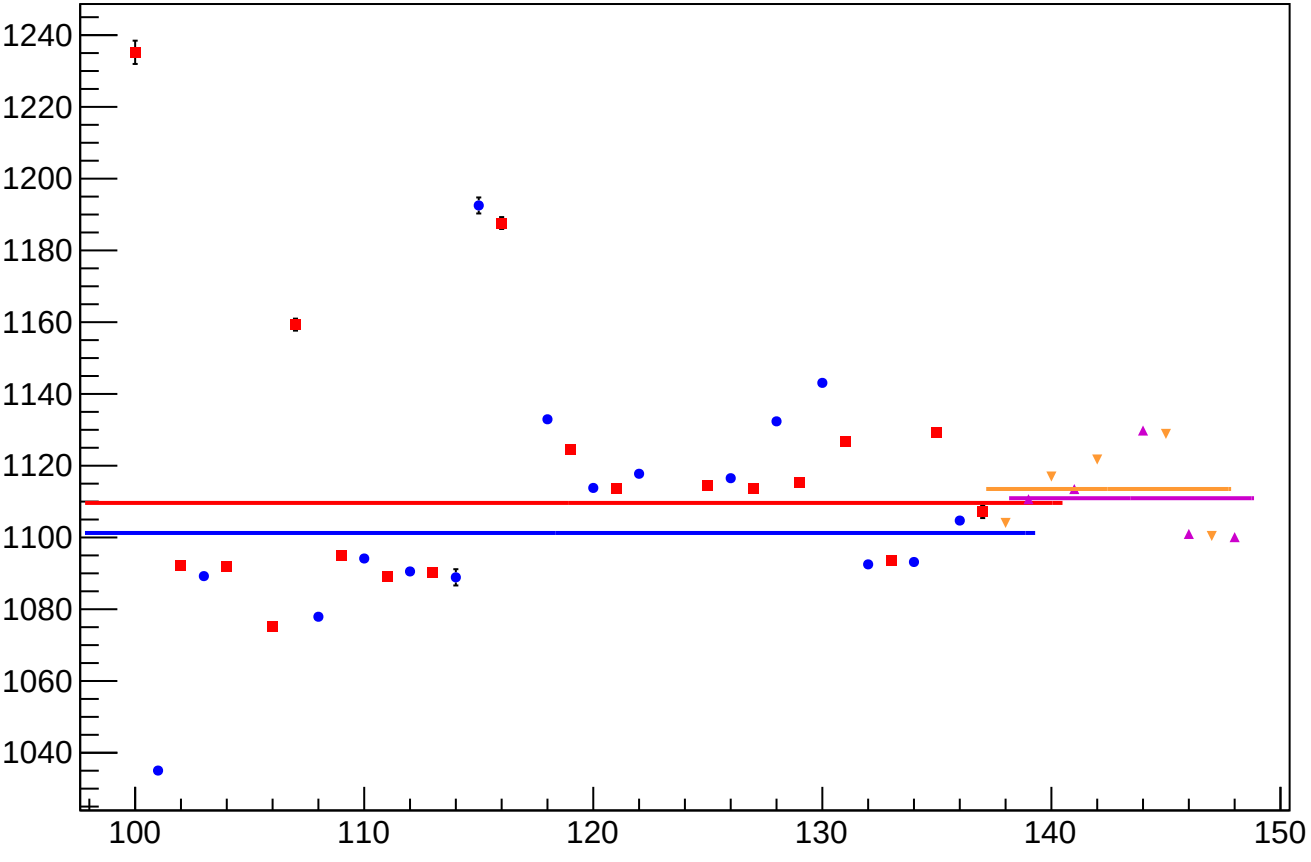
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1720.478+/-324.146 χ^2/NDF:16.4/20

Out: 1900.435+/-333.914 χ^2/NDF:15.3/22

All: 1807.786+/-232.582 χ^2/NDF: 31.9/43

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.513+/-0.409 χ^2/NDF:713.1/4

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

Left In: 1110.940+/-0.376 χ^2/NDF:822.6/4

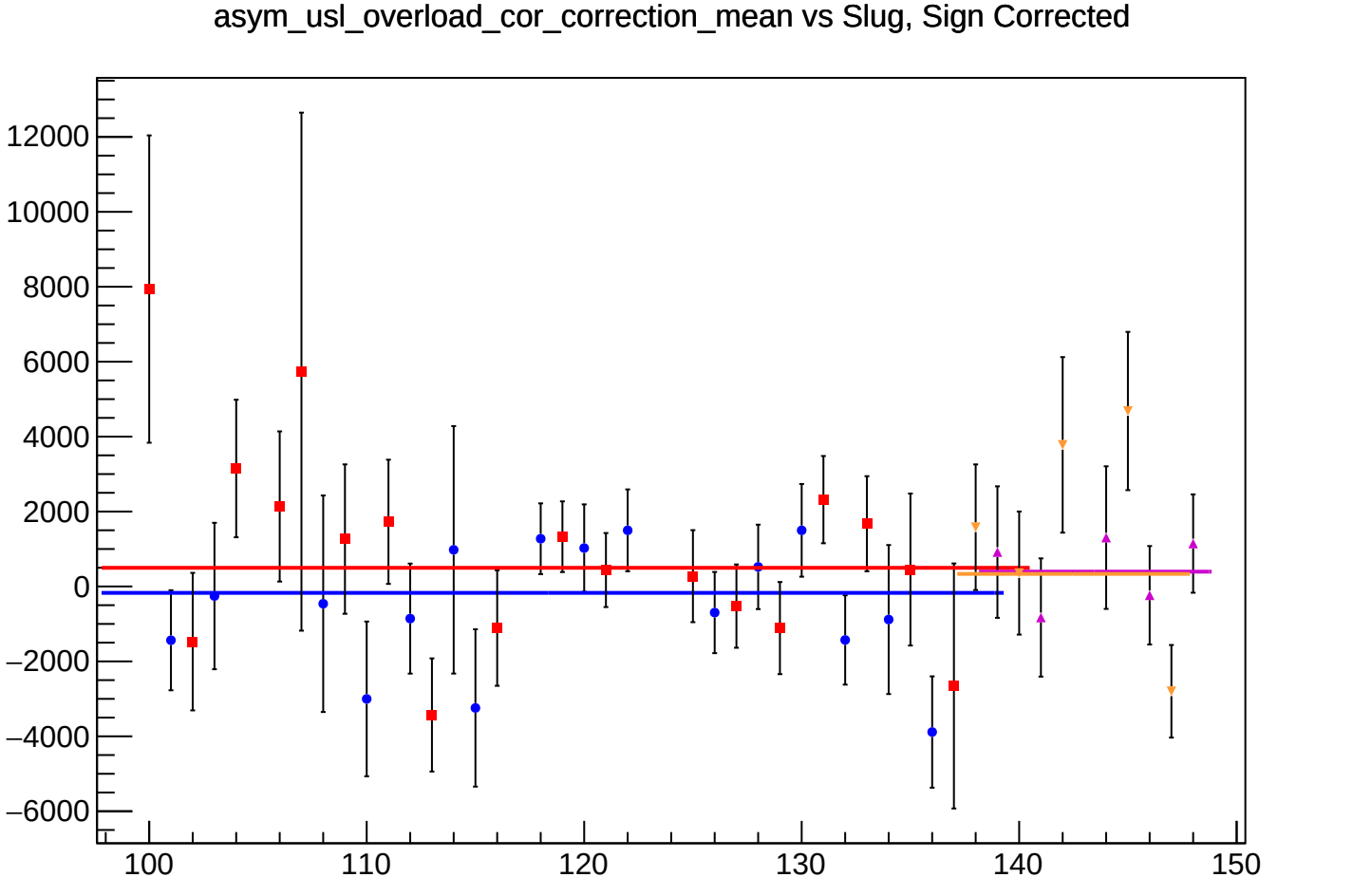
Left: 1112.117+/-0.277 χ^2/NDF: 1557.1/9

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

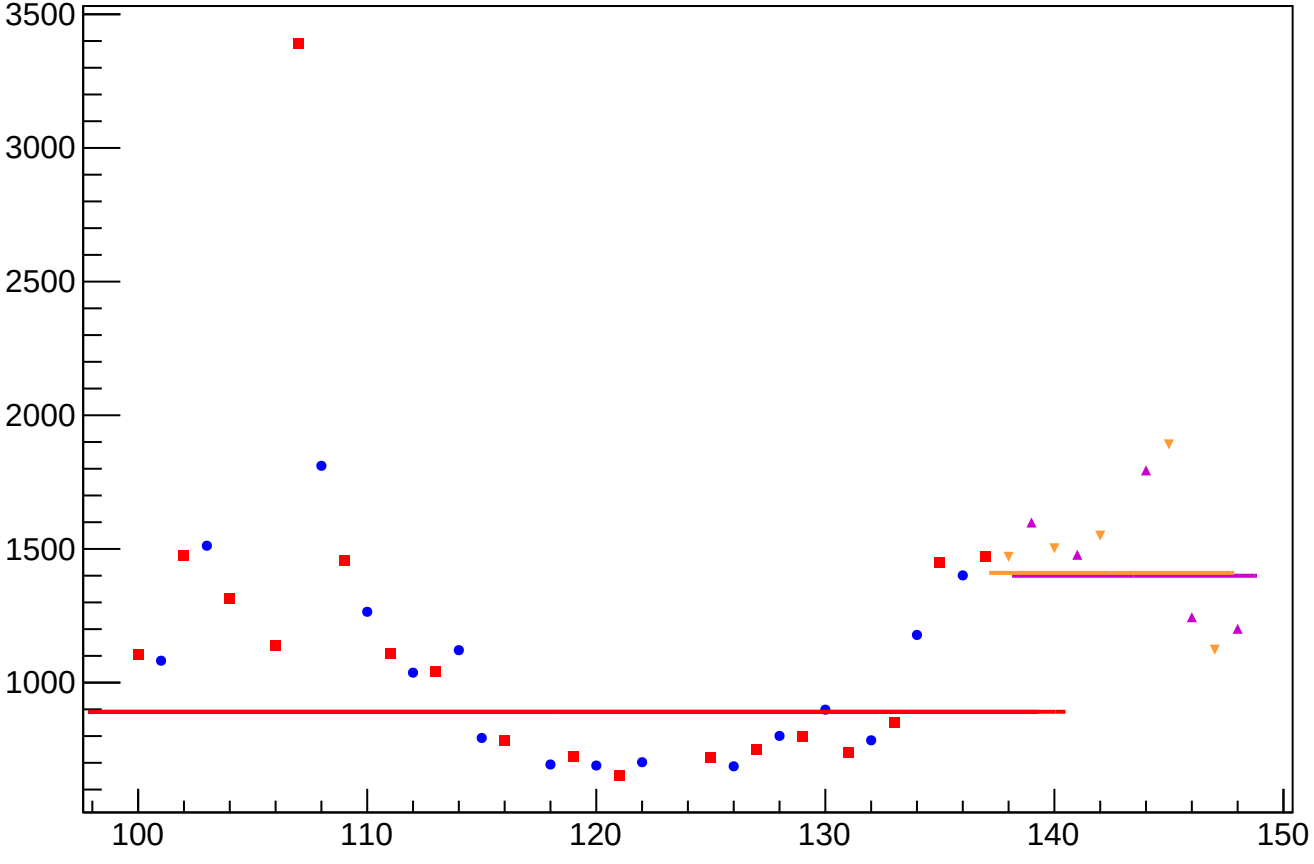
In: 1104.862+/-0.229 χ^2/NDF:12548.2/20

Out: 1110.923+/-0.236 χ^2/NDF:8446.3/22

All: 1107.802+/-0.164 χ^2/NDF: 21333.7/43


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: 335.709+/-747.960 χ²/NDF:13.4/4
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 395.250+/-680.042 χ²/NDF:1.5/4
Left: 368.305+/-503.164 χ²/NDF: 14.9/9
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: -54.513+/-308.366 χ²/NDF:22.9/20
Out: 469.417+/-313.703 χ²/NDF:37.3/22
All: 202.957+/-219.910 χ²/NDF: 61.7/43

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1410.539+/-0.529 χ^2/NDF:227549.2/4

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

Left In: 1399.819+/-0.481 χ^2/NDF:190012.3/4

Left: 1404.670+/-0.356 χ^2/NDF: 417786.4/9

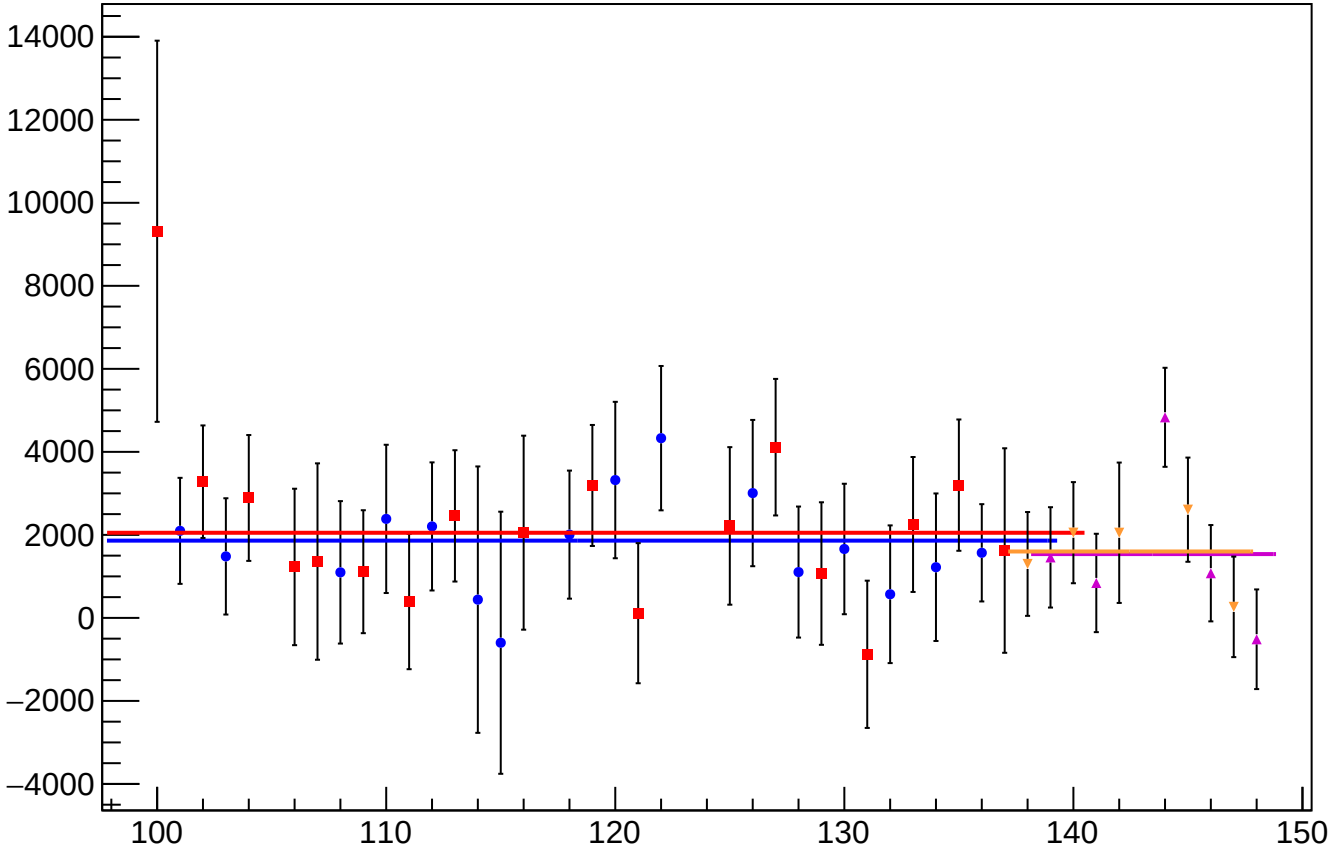
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 995.221+/-0.218 χ^2/NDF:2209953.5/20

Out: 982.339+/-0.222 χ^2/NDF:2364760.3/22

All: 988.890+/-0.156 χ^2/NDF: 4576428.9/43

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

Left In: 1537.436+/-531.808 χ^2/NDF:11.1/4

Left: 1566.115+/-391.758 χ^2/NDF: 13.2/9

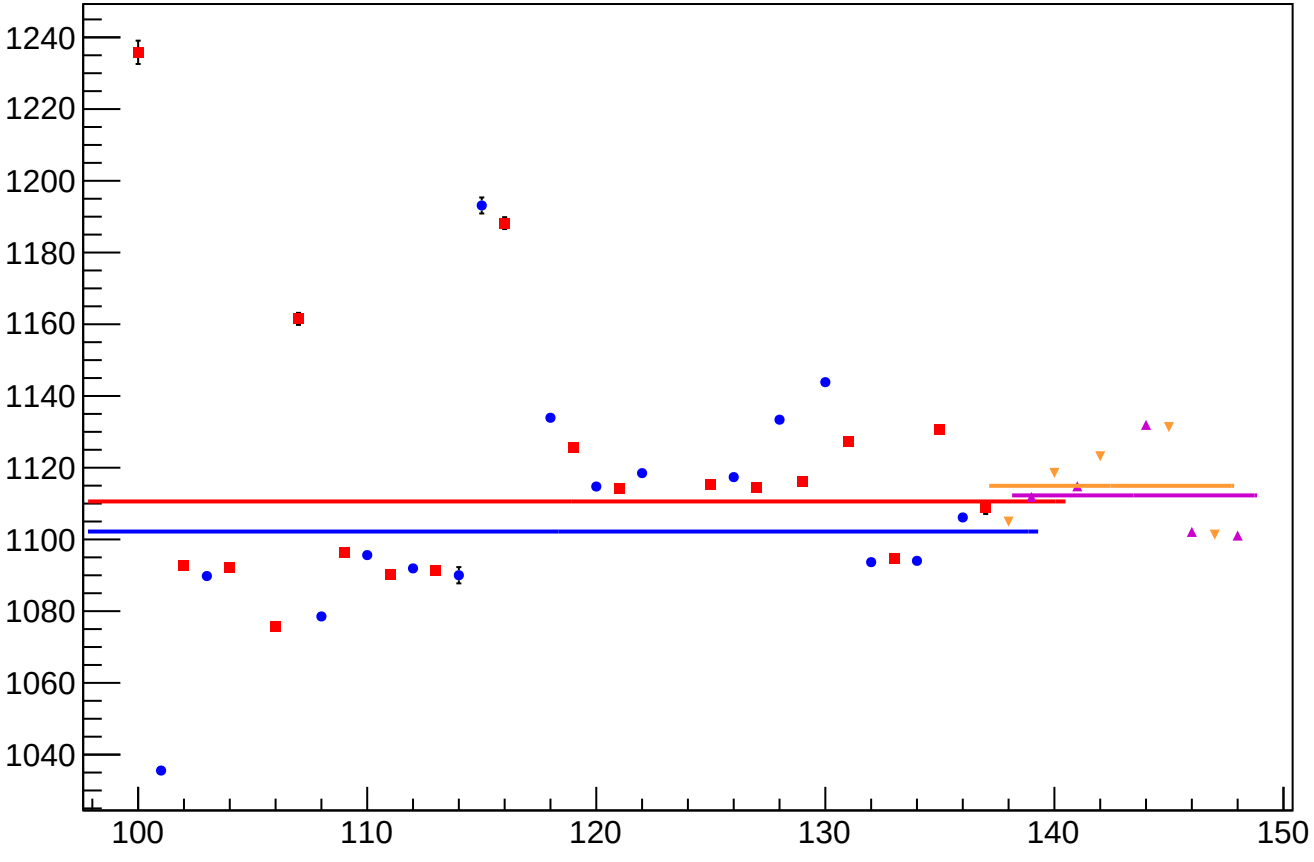
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1740.883+/-324.468 χ^2/NDF:16.6/20

Out: 1900.792+/-334.252 χ^2/NDF:15.1/22

All: 1818.463+/-232.816 χ^2/NDF: 31.8/43

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

Left In: 1112.282+/-0.376 χ^2/NDF:880.7/4

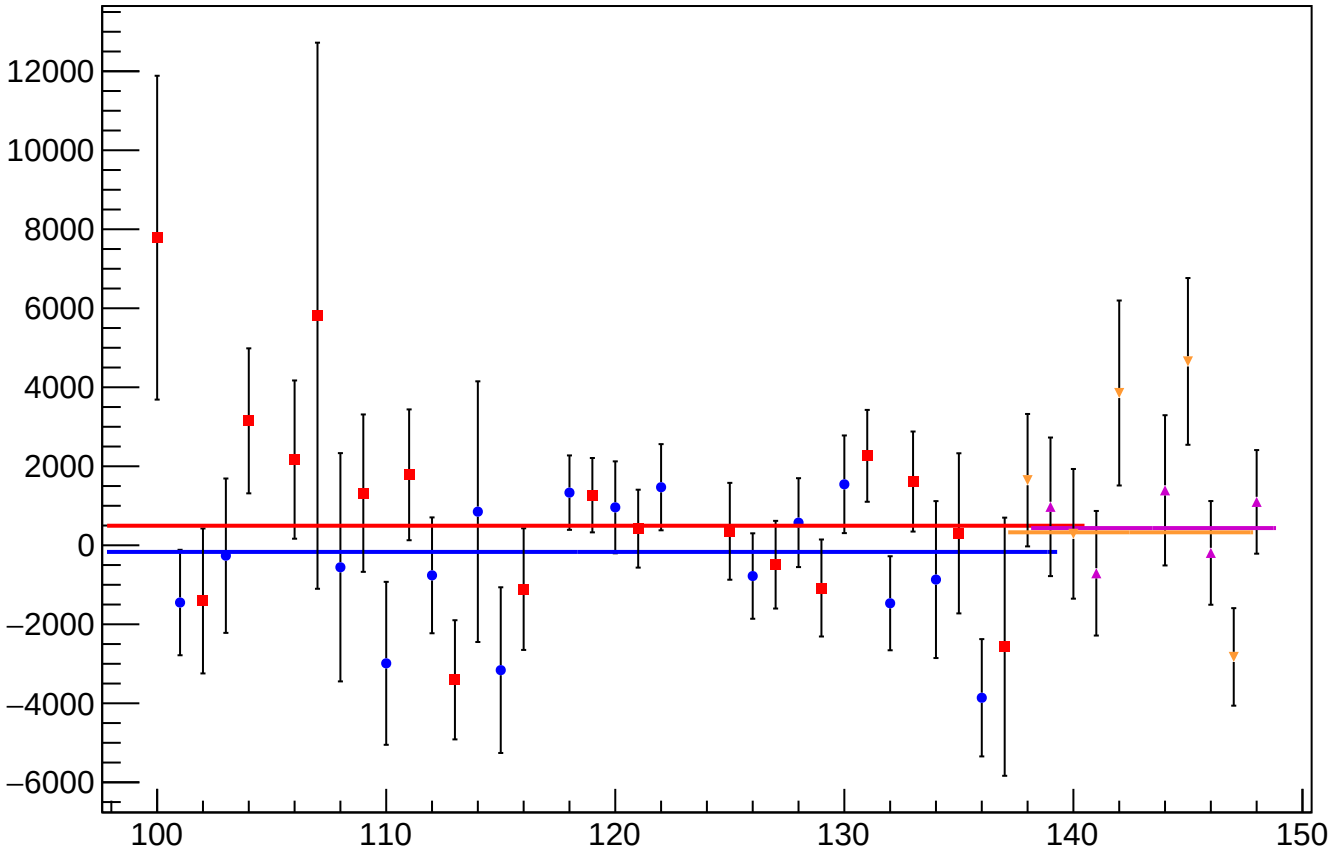
Left: 1113.503+/-0.277 χ^2/NDF: 1689.5/9

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

In: 1105.956+/-0.229 χ^2/NDF:12680.4/20

Out: 1112.043+/-0.236 χ^2/NDF:8557.4/22

All: 1108.909+/-0.165 χ^2/NDF: 21579.2/43



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

Left In: 435.793+/-679.565 χ^2/NDF:1.4/4

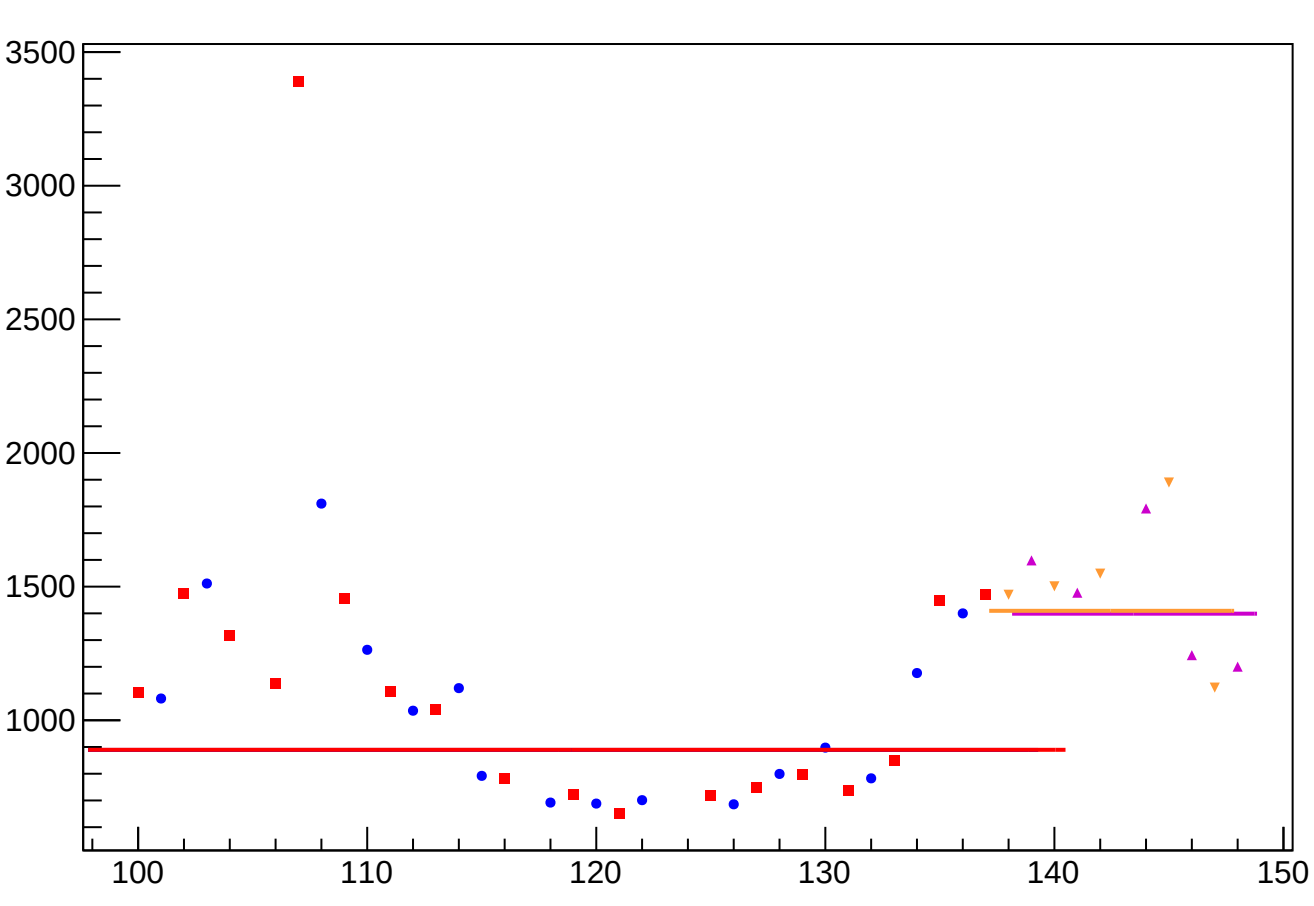
Left: 387.265+/-502.808 χ^2/NDF: 15.0/9

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

In: -43.932+/-307.939 χ^2/NDF:23.0/20

Out: 465.901+/-313.281 χ^2/NDF:36.9/22

All: 206.601+/-219.610 χ^2/NDF: 61.3/43



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

Left In: 1398.819+/-0.481 χ^2/NDF:190127.0/4

Left: 1403.658+/-0.356 χ^2/NDF: 418004.6/9

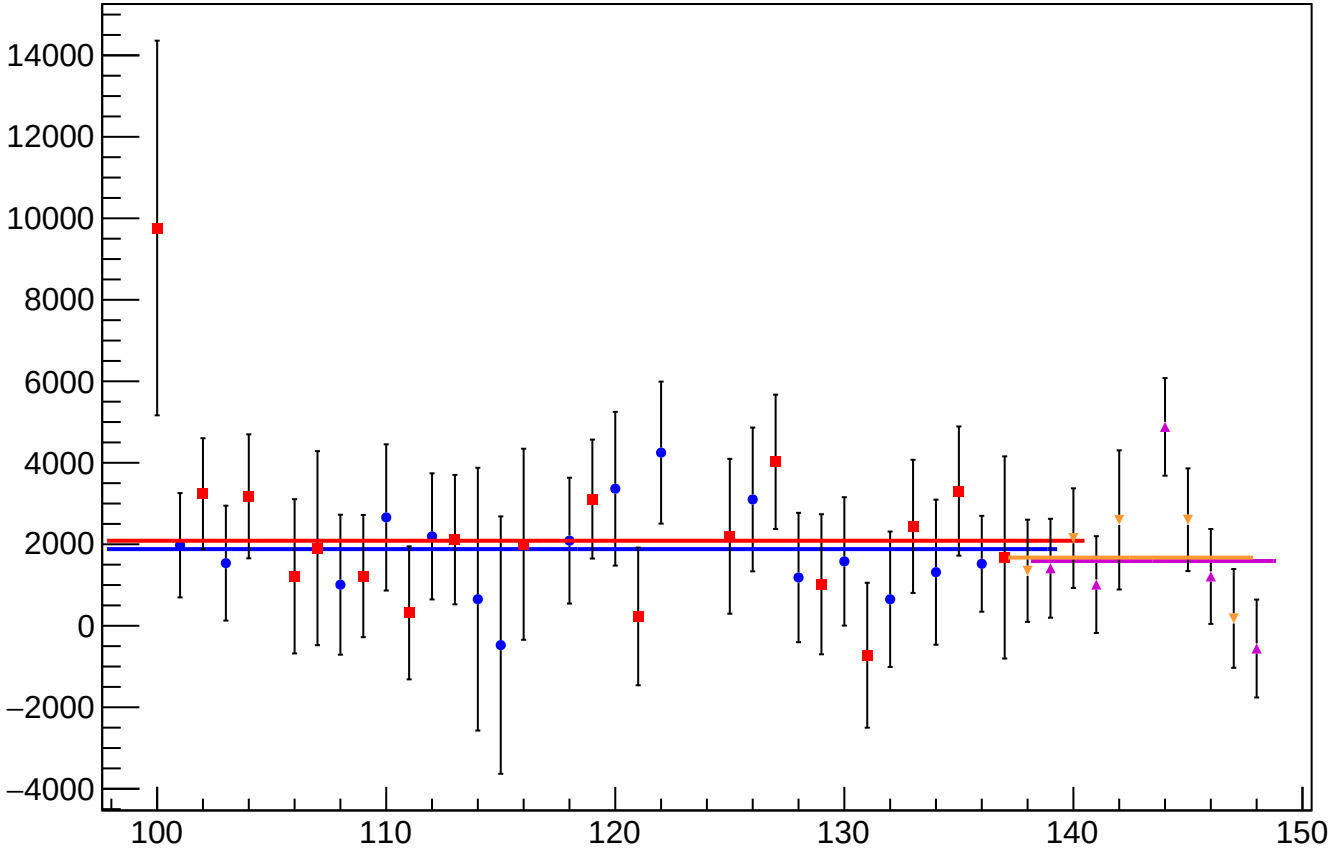
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 993.650+/-0.218 χ^2/NDF:2217551.6/20

Out: 980.839+/-0.222 χ^2/NDF:2371490.8/22

All: 987.355+/-0.155 χ^2/NDF: 4590743.3/43

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1673.418+/-581.345 χ^2/NDF:2.6/4

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

Left In: 1588.926+/-533.324 χ^2/NDF:11.1/4

Left: 1627.539+/-392.999 χ^2/NDF: 13.7/9

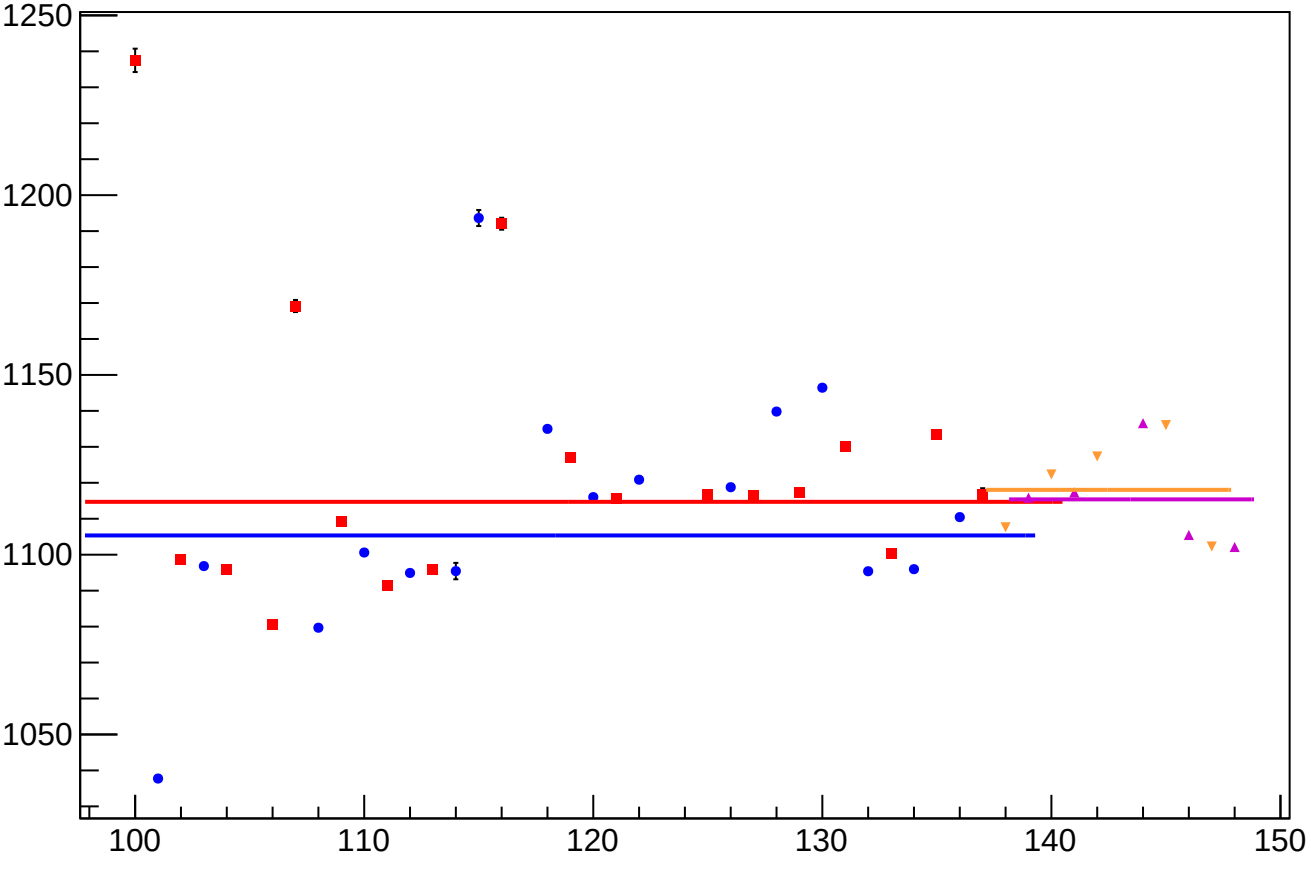
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1772.601+/-325.398 χ^2/NDF:16.5/20

Out: 1949.192+/-335.483 χ^2/NDF:15.3/22

All: 1858.202+/-233.575 χ^2/NDF: 31.9/43

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1118.042+/-0.411 χ^2/NDF:967.8/4

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

Left In: 1115.387+/-0.377 χ^2/NDF:1019.9/4

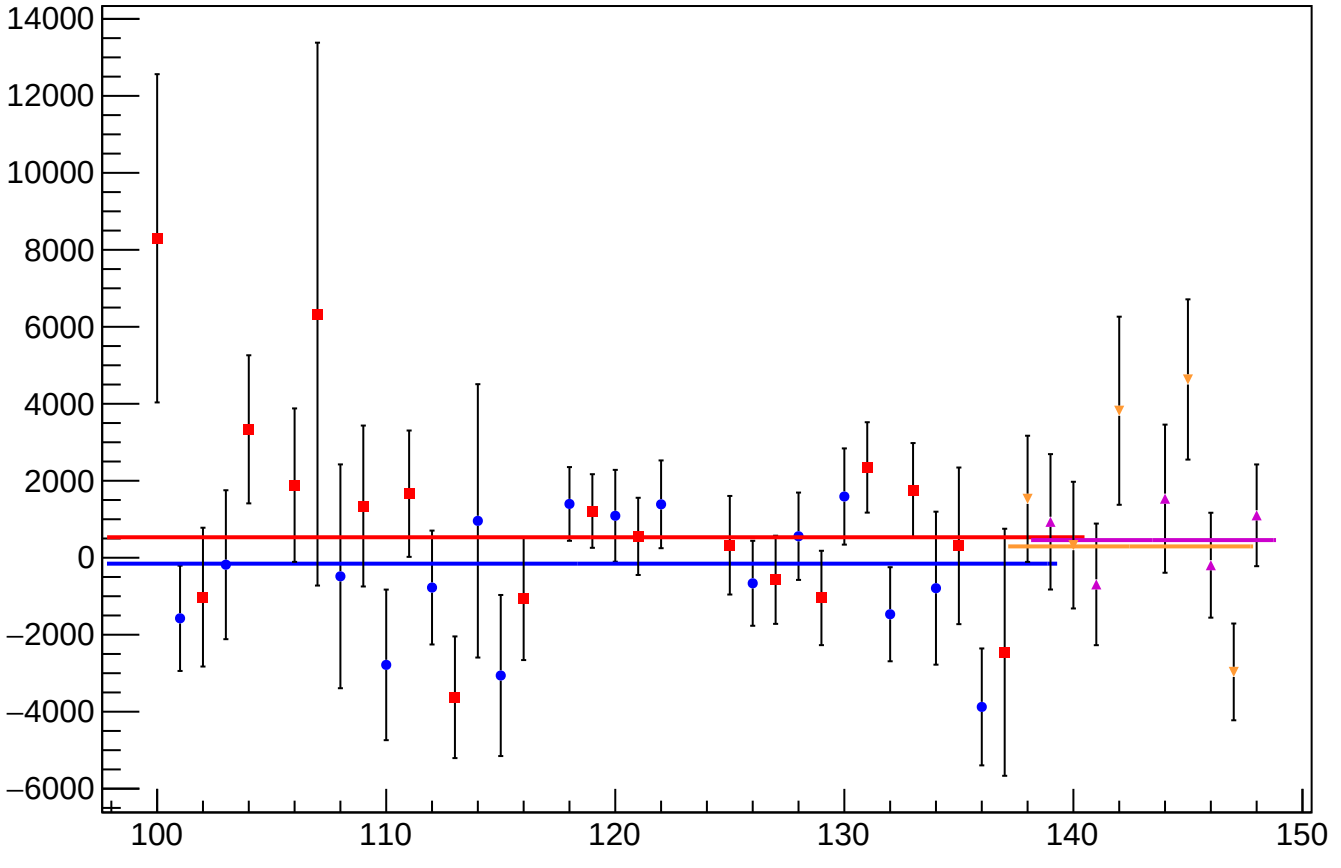
Left: 1116.600+/-0.278 χ^2/NDF: 2010.4/9

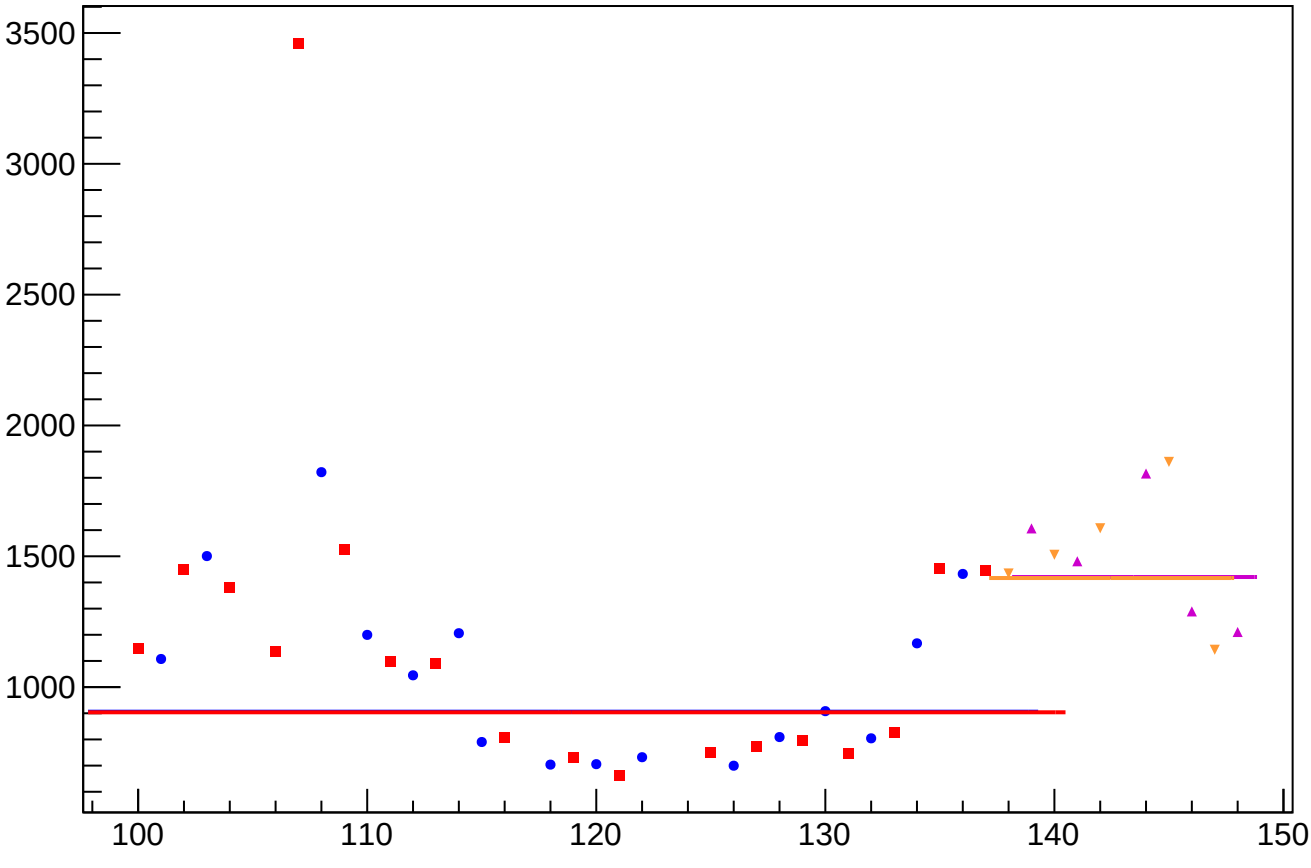
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1109.090+/-0.230 χ^2/NDF:12795.0/20

Out: 1115.816+/-0.237 χ^2/NDF:8342.1/22

All: 1112.350+/-0.165 χ^2/NDF: 21551.4/43


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: 294.416+/-751.078 χ²/NDF:13.7/4
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 458.549+/-689.303 χ²/NDF:1.4/4
Left: 383.509+/-507.848 χ²/NDF: 15.1/9
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: -27.691+/-313.008 χ²/NDF:22.5/20
Out: 489.659+/-317.548 χ²/NDF:37.0/22
All: 227.259+/-222.918 χ²/NDF: 60.8/43



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

Left Out: 1416.925+/-0.531 χ^2/NDF:204221.3/4

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

Left In: 1420.811+/-0.487 χ^2/NDF:178819.8/4

Left: 1419.034+/-0.359 χ^2/NDF: 383070.1/9

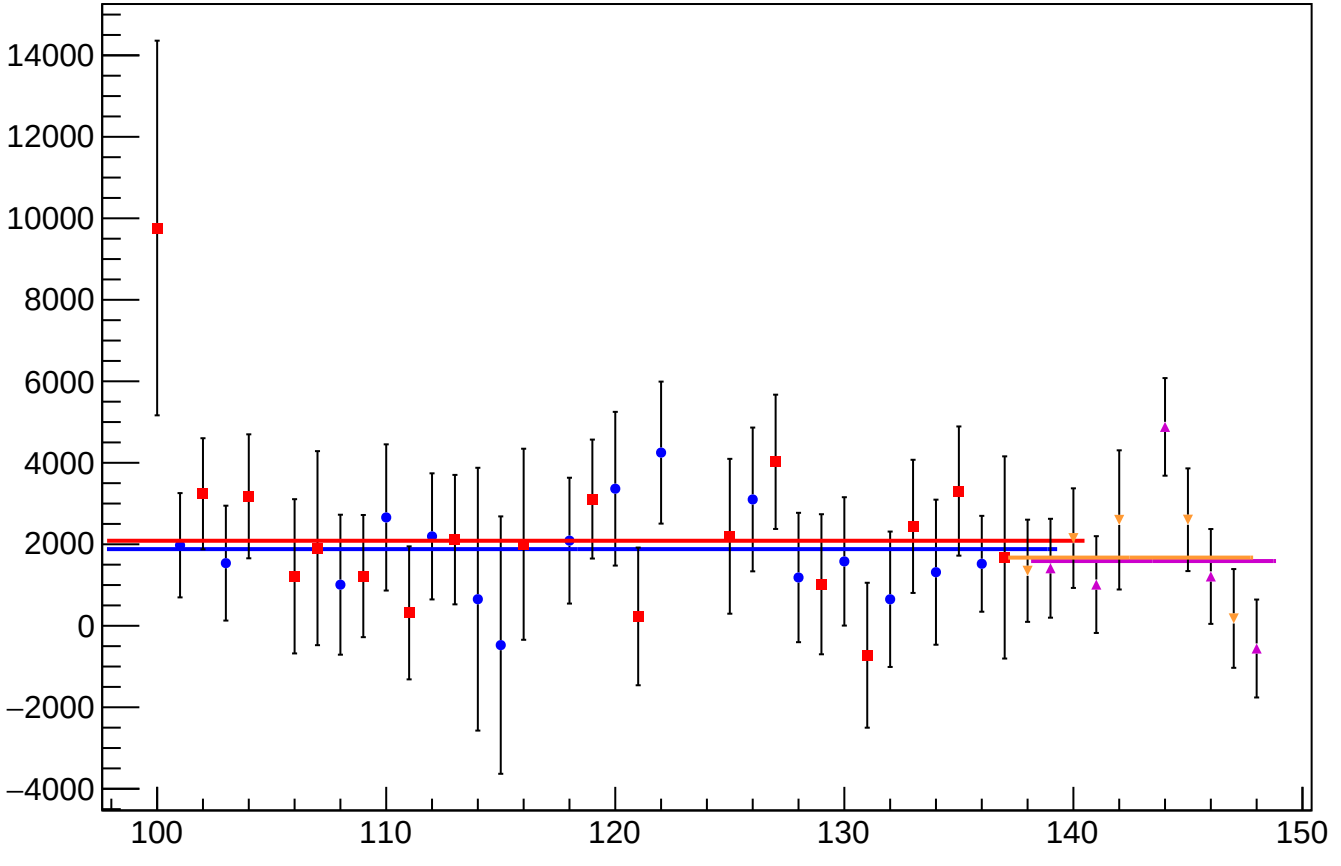
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1012.183+/-0.221 χ^2/NDF:2143686.1/20

Out: 995.484+/-0.225 χ^2/NDF:2310964.2/22

All: 1003.953+/-0.158 χ^2/NDF: 4457455.6/43

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1673.418+/-581.345 χ^2/NDF:2.6/4

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

Left In: 1588.928+/-533.324 χ^2/NDF:11.1/4

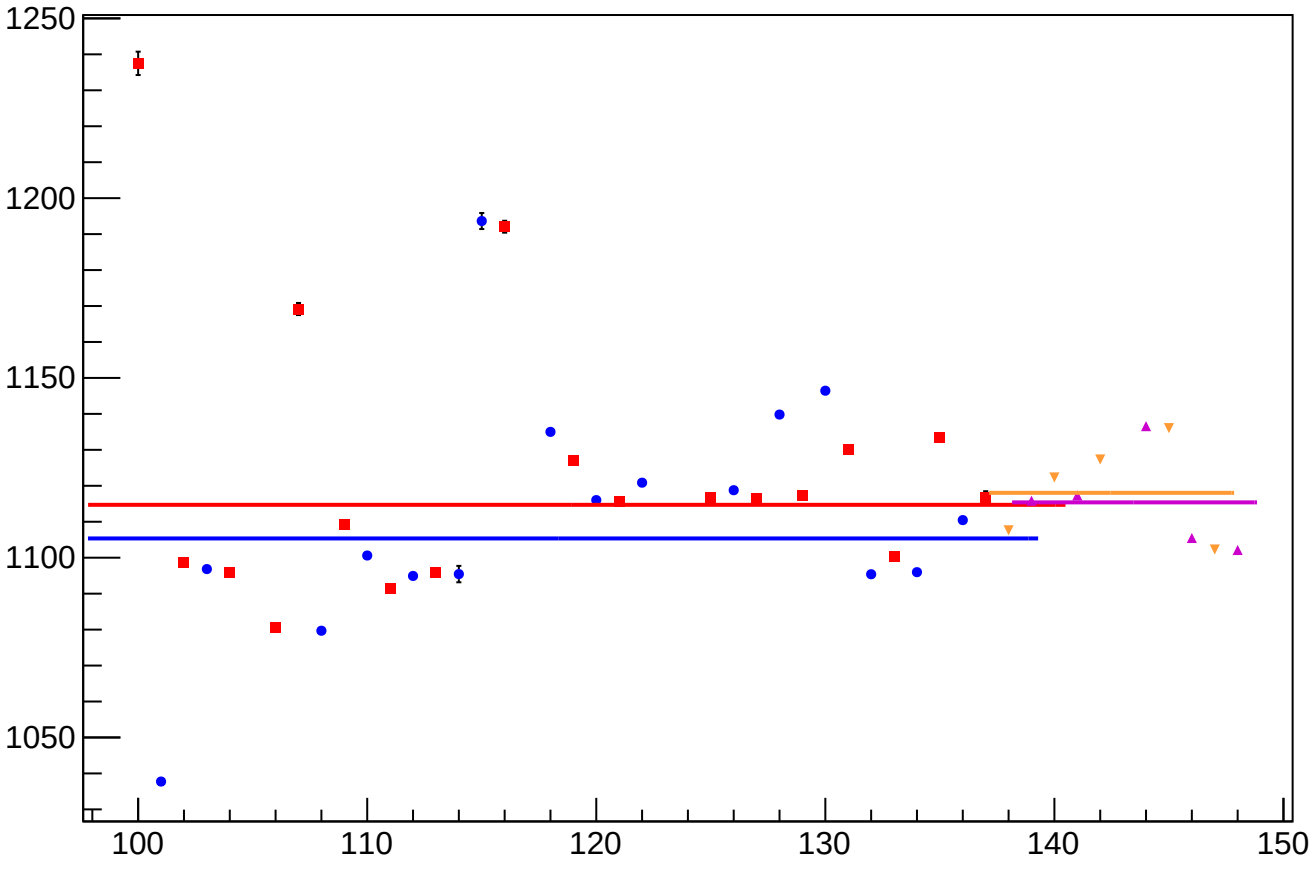
Left: 1627.540+/-392.999 χ^2/NDF: 13.7/9

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

In: 1772.601+/-325.398 χ^2/NDF:16.5/20

Out: 1949.190+/-335.483 χ^2/NDF:15.3/22

All: 1858.202+/-233.575 χ^2/NDF: 31.9/43



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

Left Out: 1118.042+/-0.411 χ^2/NDF:967.8/4

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

Left In: 1115.387+/-0.377 χ^2/NDF:1019.9/4

Left: 1116.600+/-0.278 χ^2/NDF: 2010.3/9

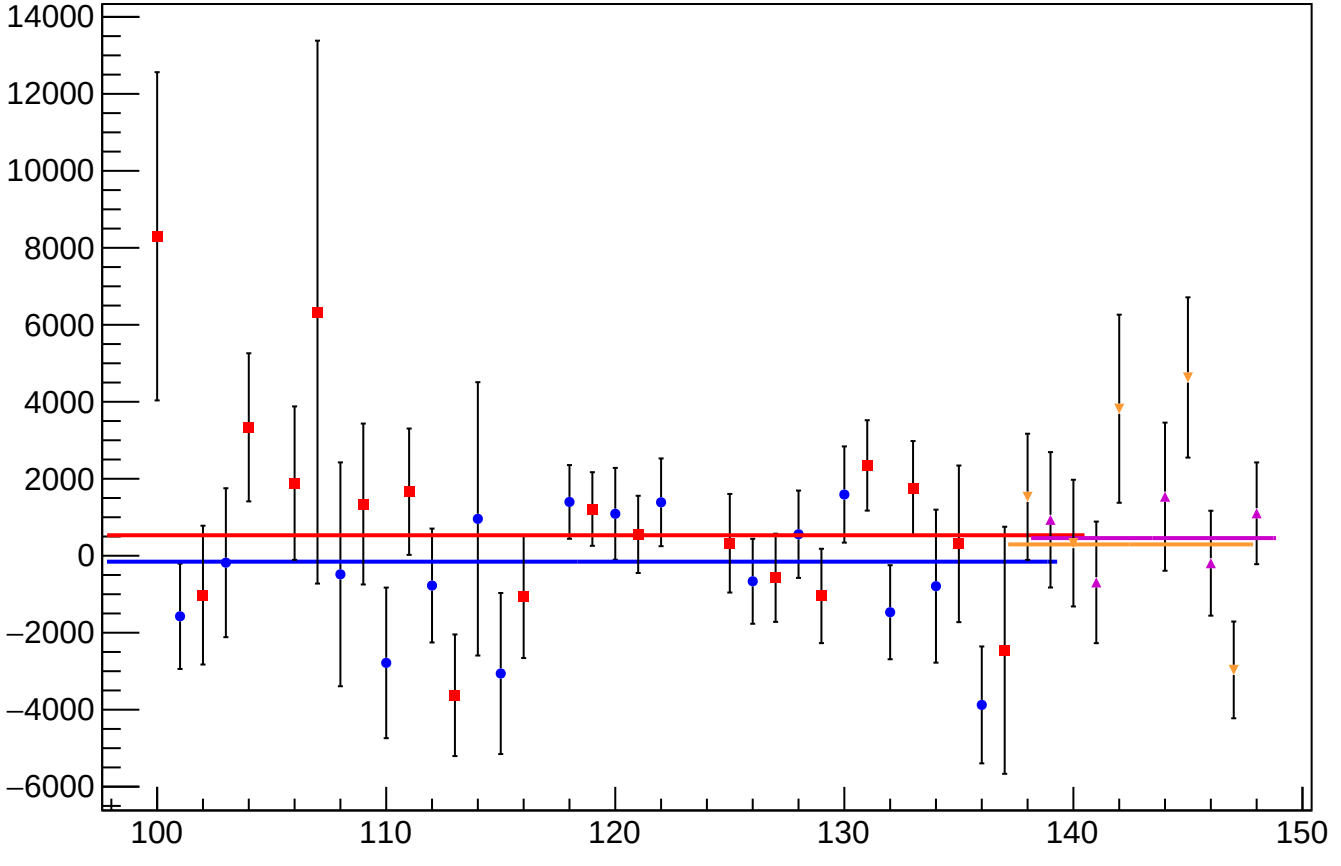
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1109.090+/-0.230 χ^2/NDF:12795.0/20

Out: 1115.816+/-0.237 χ^2/NDF:8342.0/22

All: 1112.350+/-0.165 χ^2/NDF: 21551.3/43

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: 294.414+/-751.079 χ^2/NDF:13.7/4

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

Left In: 458.550+/-689.304 χ^2/NDF:1.4/4

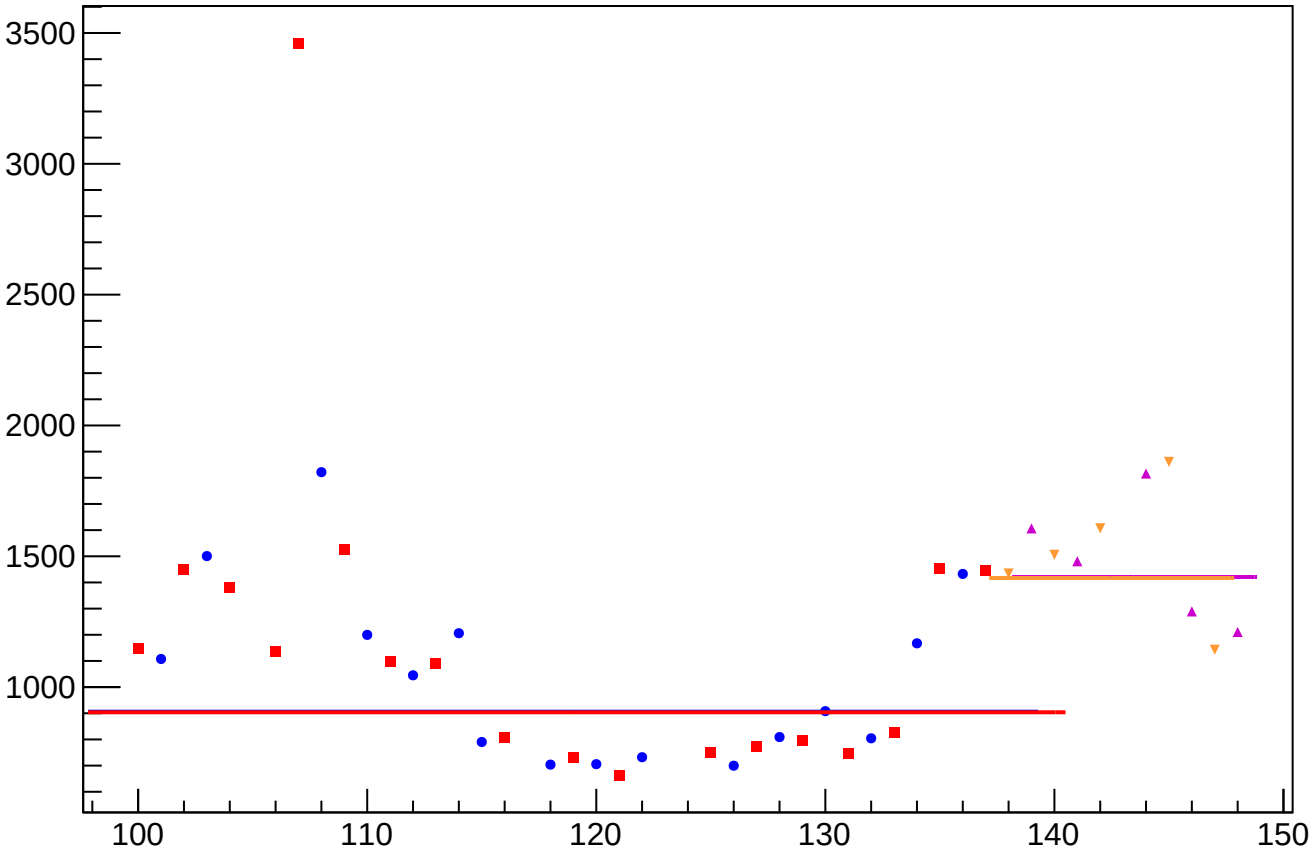
Left: 383.509+/-507.849 χ^2/NDF: 15.1/9

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

In: -27.691+/-313.008 χ^2/NDF:22.5/20

Out: 489.658+/-317.548 χ^2/NDF:37.0/22

All: 227.259+/-222.918 χ^2/NDF: 60.8/43



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

Left Out: 1416.927+/-0.531 χ^2/NDF:204220.2/4

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

Left In: 1420.813+/-0.487 χ^2/NDF:178819.0/4

Left: 1419.036+/-0.359 χ^2/NDF: 383068.3/9

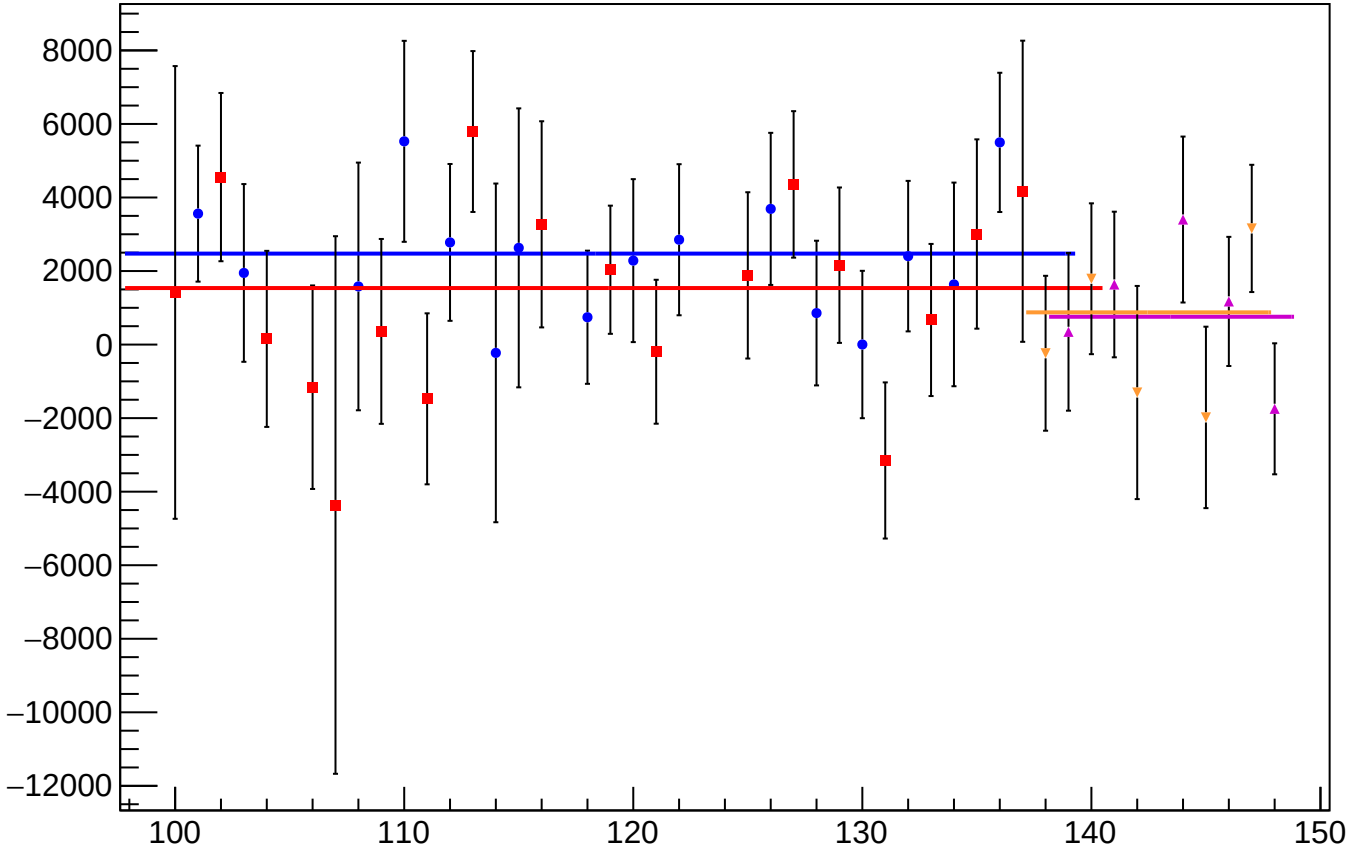
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1012.181+/-0.221 χ^2/NDF:2143703.3/20

Out: 995.482+/-0.225 χ^2/NDF:2310978.3/22

All: 1003.952+/-0.158 χ^2/NDF: 4457486.9/43

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 876.454+/-962.038 χ^2/NDF:4.1/4

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

Left In: 756.903+/-874.269 χ^2/NDF:3.6/4

Left: 810.977+/-647.011 χ^2/NDF: 7.8/9

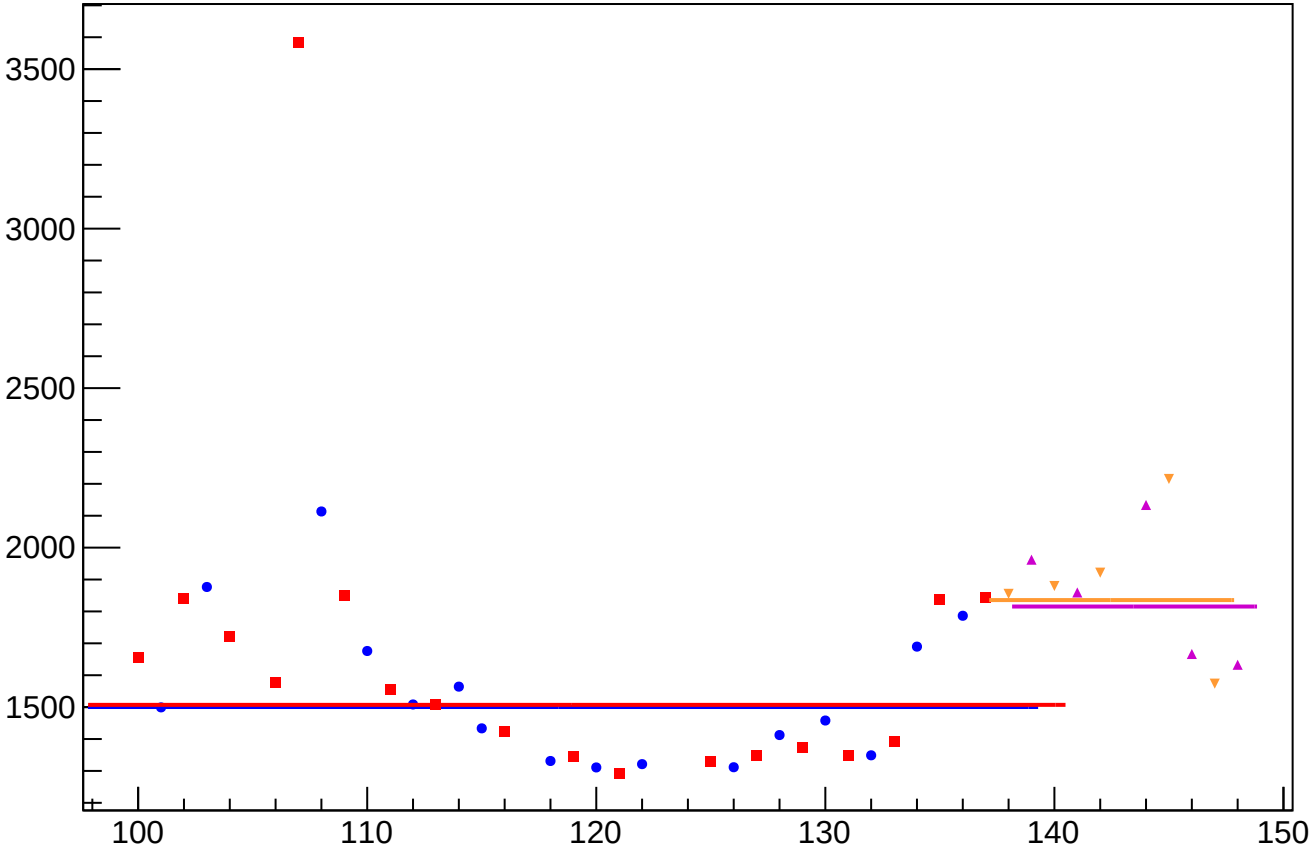
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1970.967+/-473.223 χ^2/NDF:14.6/20

Out: 1368.565+/-486.266 χ^2/NDF:23.0/22

All: 1677.953+/-339.137 χ^2/NDF: 38.4/43

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1835.562+/-0.680 χ^2/NDF:96077.3/4

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

Left In: 1815.352+/-0.618 χ^2/NDF:85544.2/4

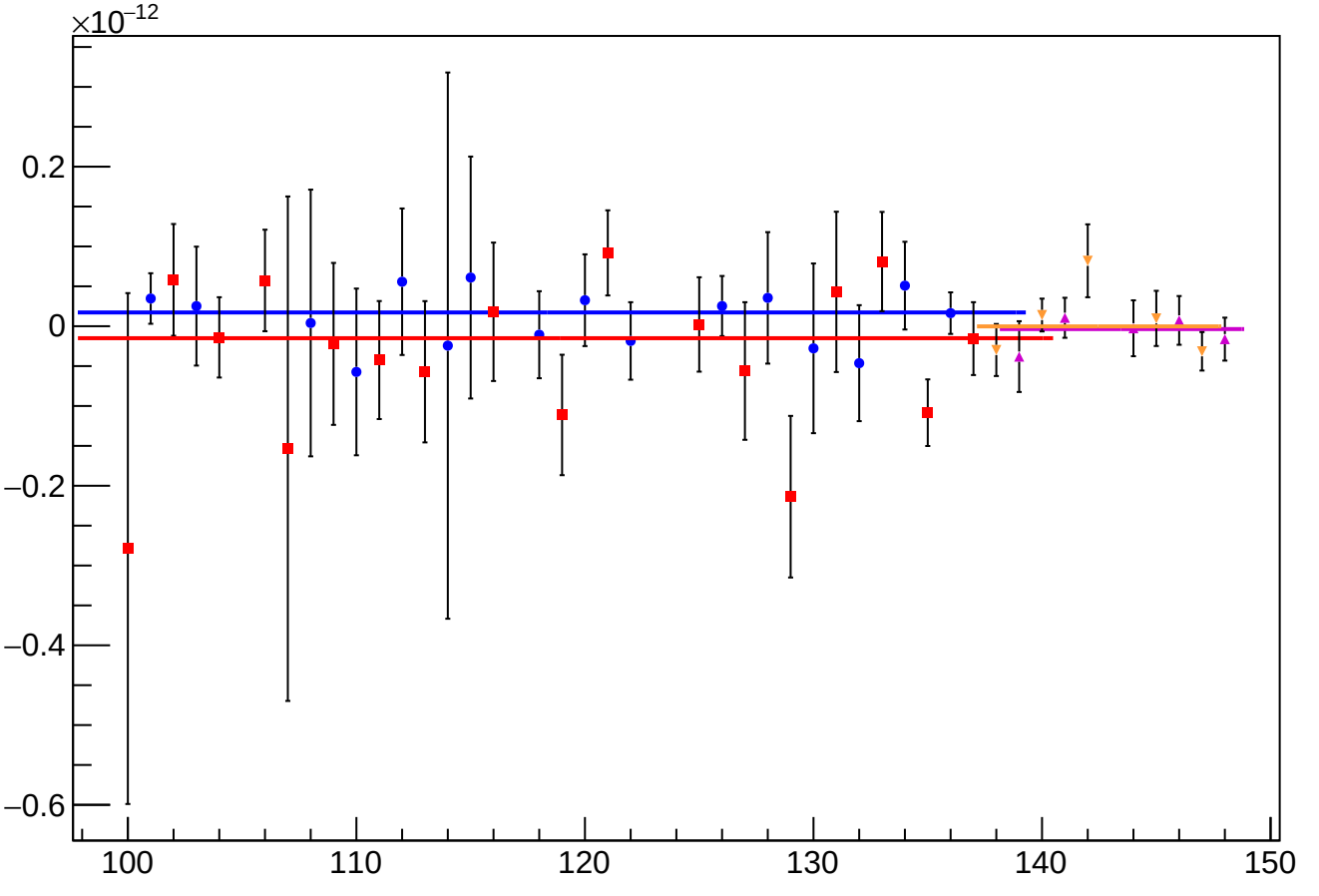
Left: 1824.493+/-0.458 χ^2/NDF: 182105.0/9

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1592.659+/-0.335 χ^2/NDF:527872.9/20

Out: 1591.015+/-0.344 χ^2/NDF:670883.7/22

All: 1591.860+/-0.240 χ^2/NDF: 1198768.3/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/4

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

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

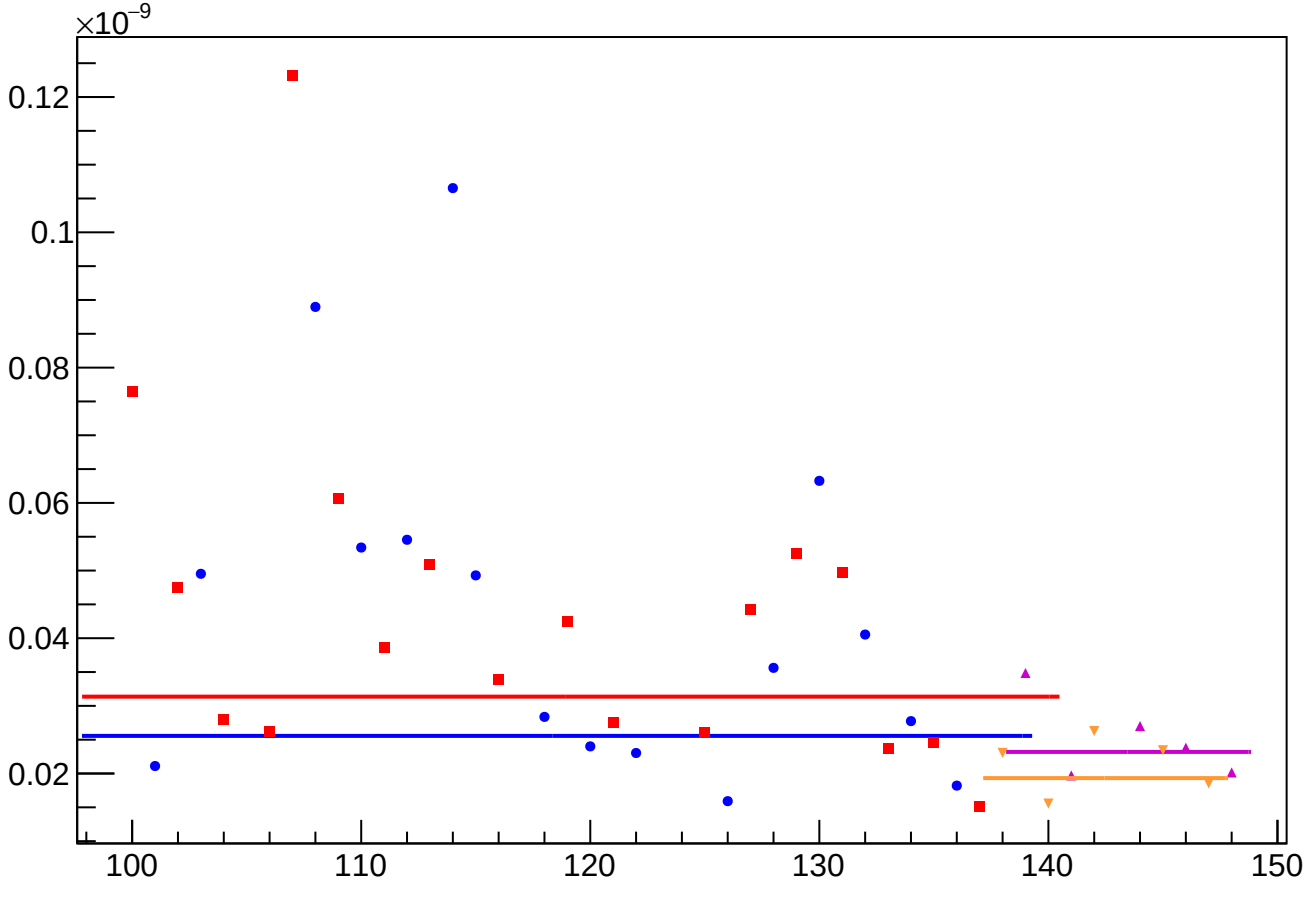
Left: -0.000+/-0.000 χ^2/NDF: 7.6/9

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:5.8/20

Out: -0.000+/-0.000 χ^2/NDF:28.1/22

All: 0.000+/-0.000 χ^2/NDF: 34.8/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:170213.8/4

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

Left In: 0.000+/-0.000 χ^2/NDF:226878.5/4

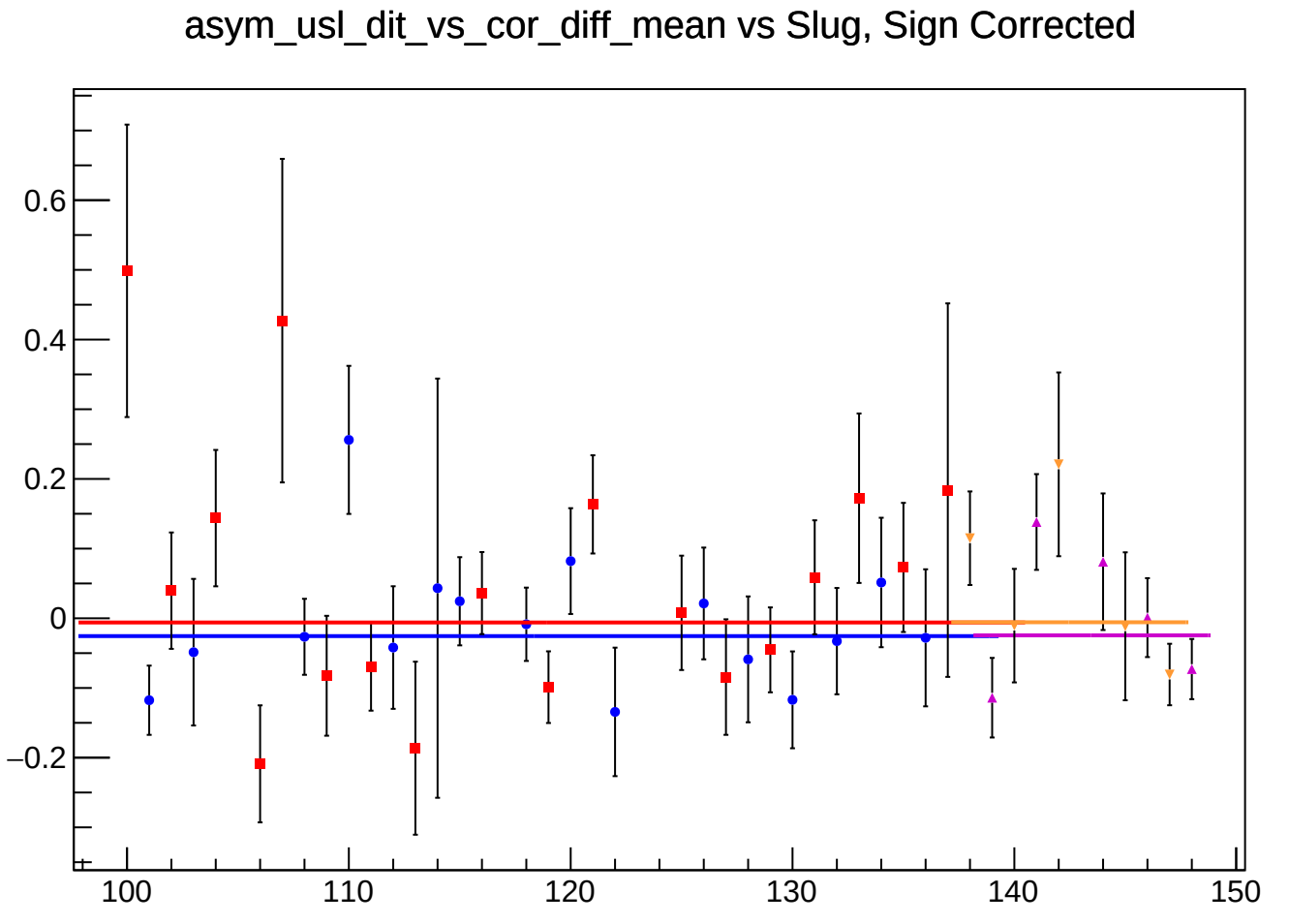
Left: 0.000+/-0.000 χ^2/NDF: 484169.4/9

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:1965117.8/20

Out: 0.000+/-0.000 χ^2/NDF:2094262.3/22

All: 0.000+/-0.000 χ^2/NDF: 4062125.4/43



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

Left: -0.017+/-0.020 χ^2/NDF: 20.0/9

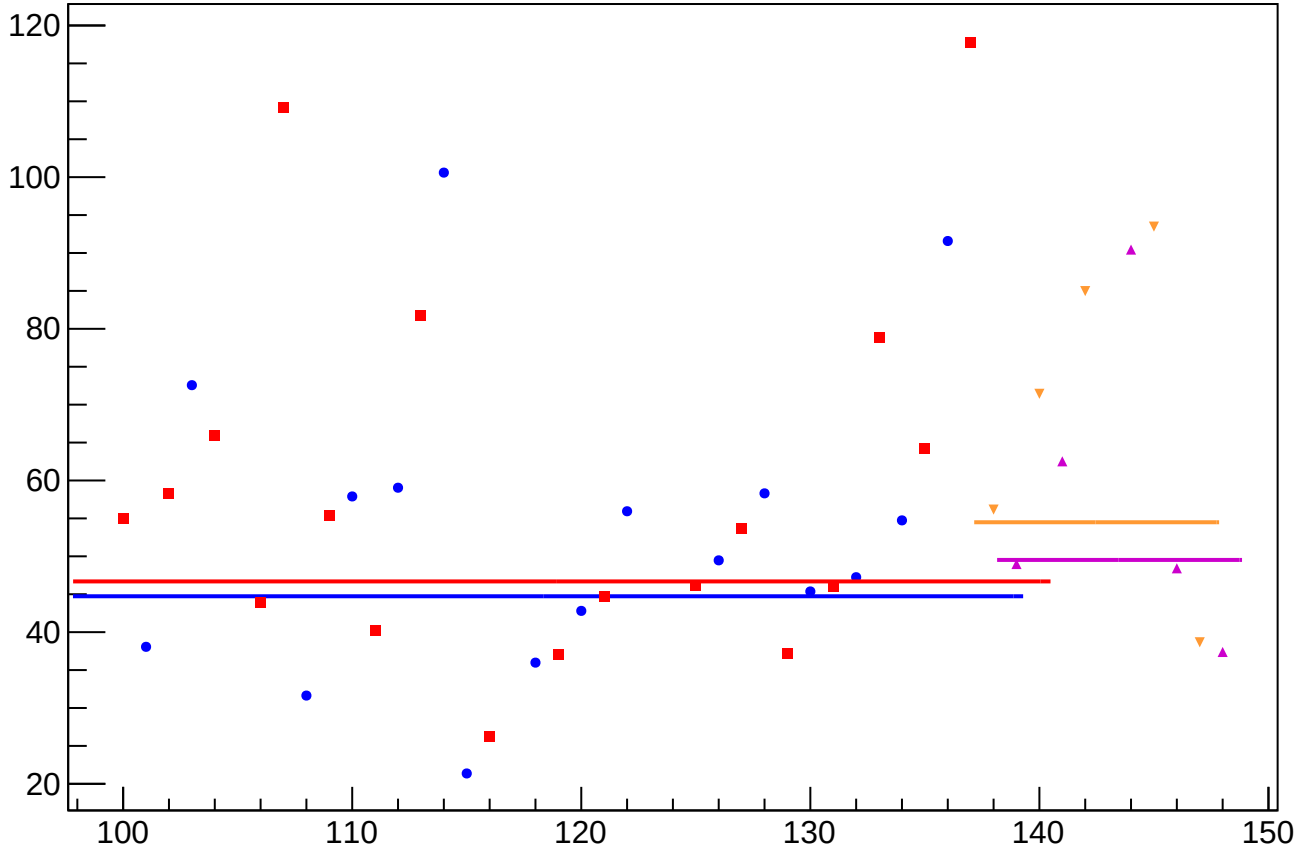
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.016+/-0.011 χ^2/NDF: 74.7/43

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 54.492+/-0.022 χ^2/NDF:721862.6/4

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

Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

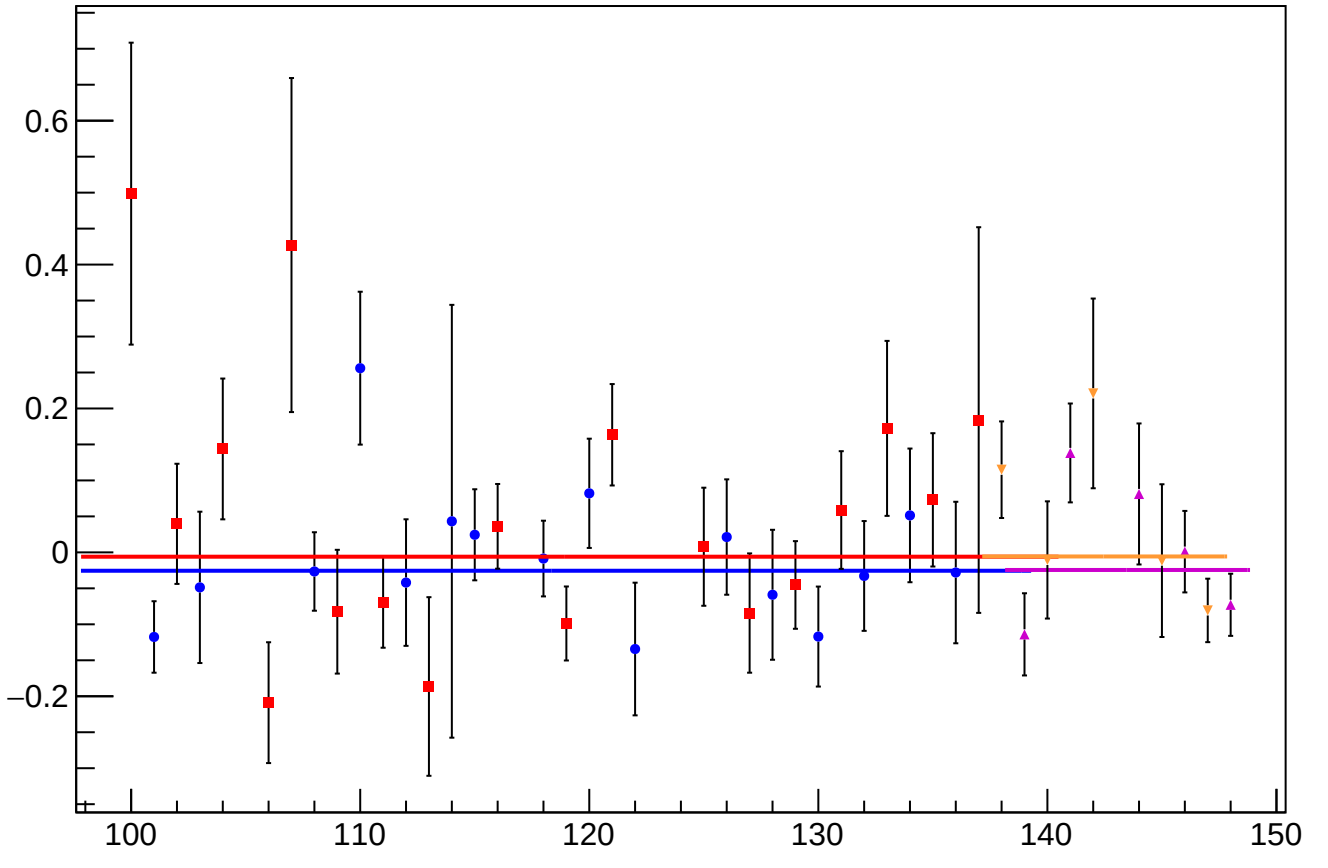
Left: 51.574+/-0.014 χ^2/NDF: 1331030.2/9

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.368+/-0.011 χ^2/NDF:1958241.3/20

Out: 48.873+/-0.012 χ^2/NDF:2007876.6/22

All: 47.524+/-0.008 χ^2/NDF: 3991076.3/43



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

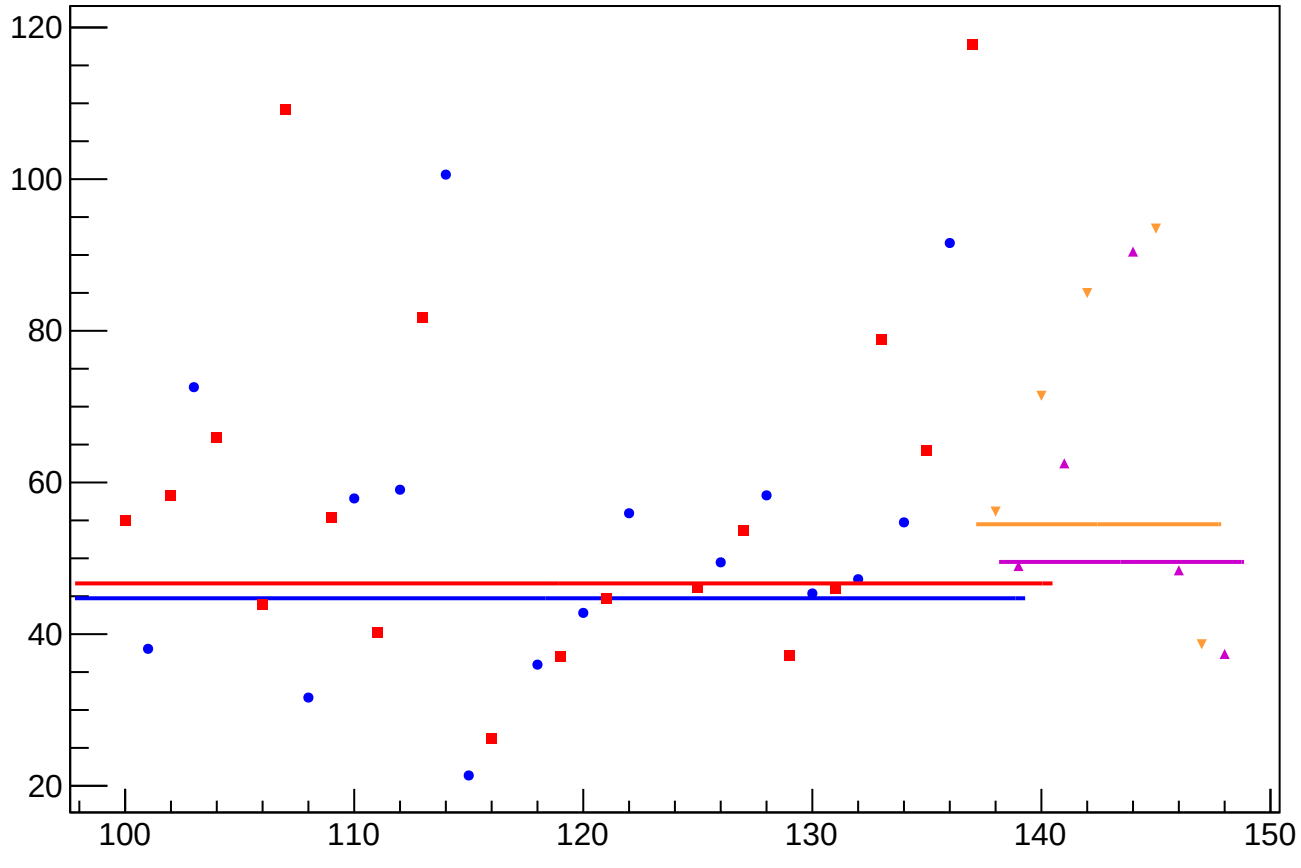
Left: -0.017+/-0.020 χ^2/NDF: 20.0/9

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.016+/-0.011 χ^2/NDF: 74.7/43



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

Left Out: 54.492+/-0.022 χ^2/NDF:721862.6/4

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

Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

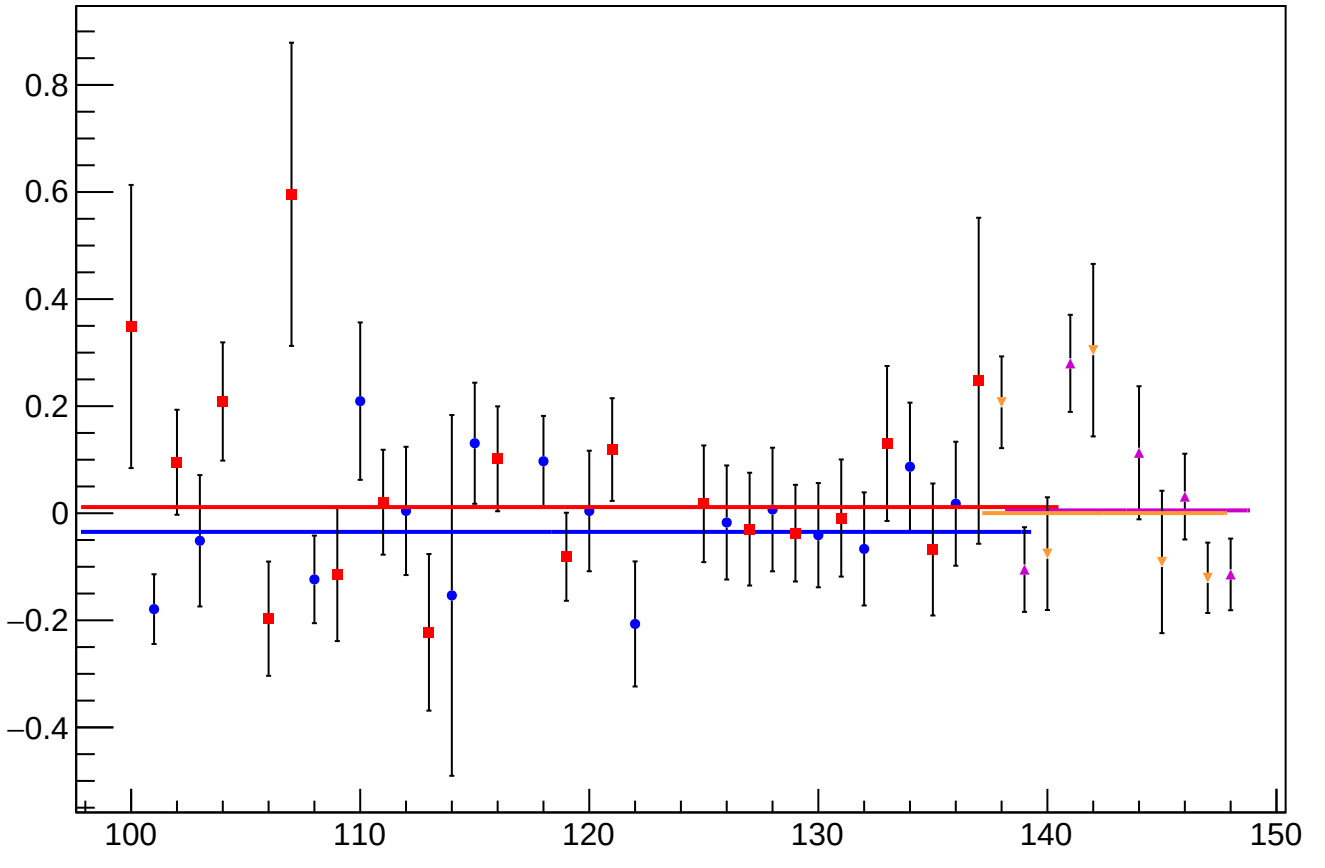
Left: 51.574+/-0.014 χ^2/NDF: 1331030.2/9

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.368+/-0.011 χ^2/NDF:1958241.3/20

Out: 48.873+/-0.012 χ^2/NDF:2007876.6/22

All: 47.524+/-0.008 χ^2/NDF: 3991076.3/43



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

Left Out: 0.000+/-0.043 χ^2/NDF:13.8/4

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

Left In: 0.005+/-0.037 χ^2/NDF:15.2/4

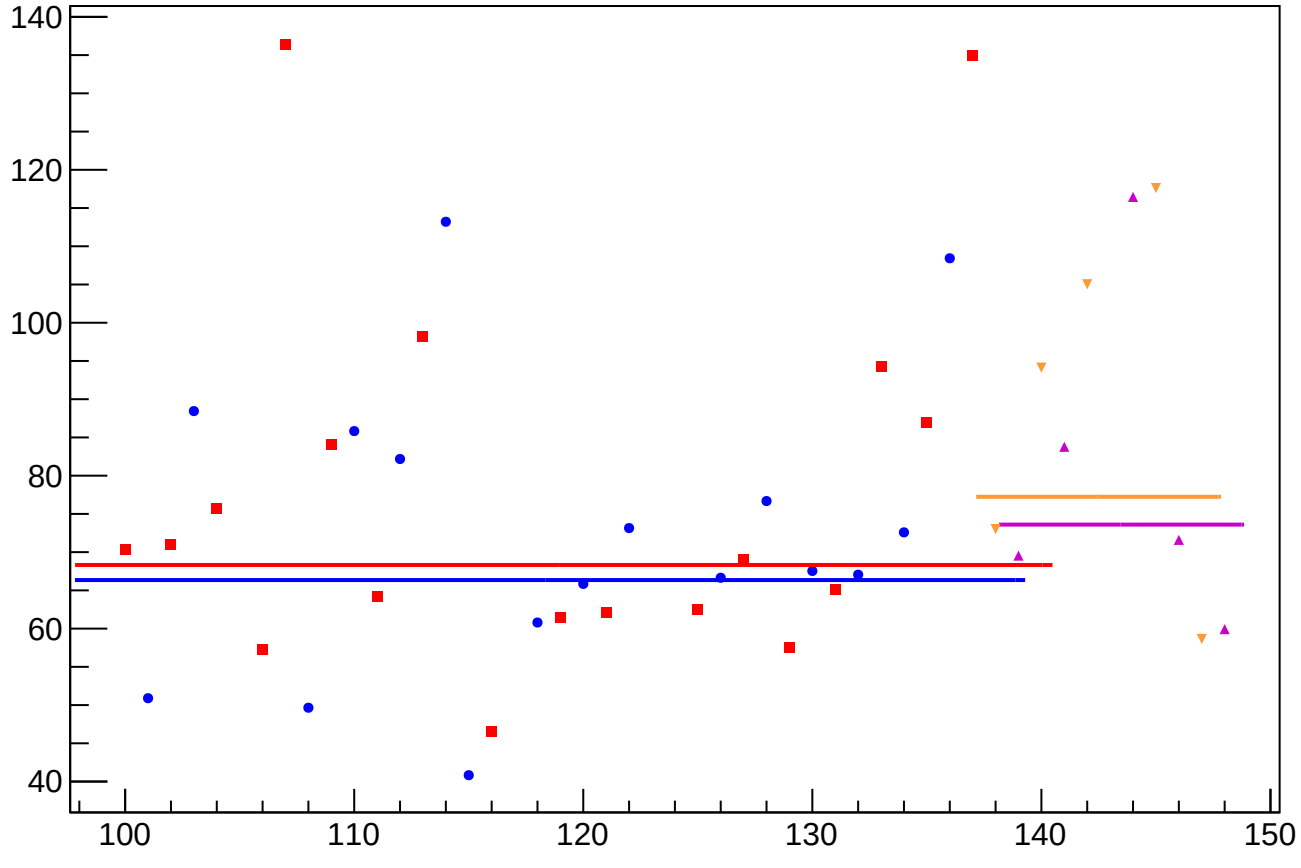
Left: 0.003+/-0.028 χ^2/NDF: 29.0/9

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.021+/-0.021 χ^2/NDF:33.4/20

Out: 0.008+/-0.023 χ^2/NDF:36.6/22

All: -0.007+/-0.016 χ^2/NDF: 70.9/43



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 77.240+/-0.030 χ^2/NDF:460044.9/4

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 73.600+/-0.026 χ^2/NDF:352874.9/4

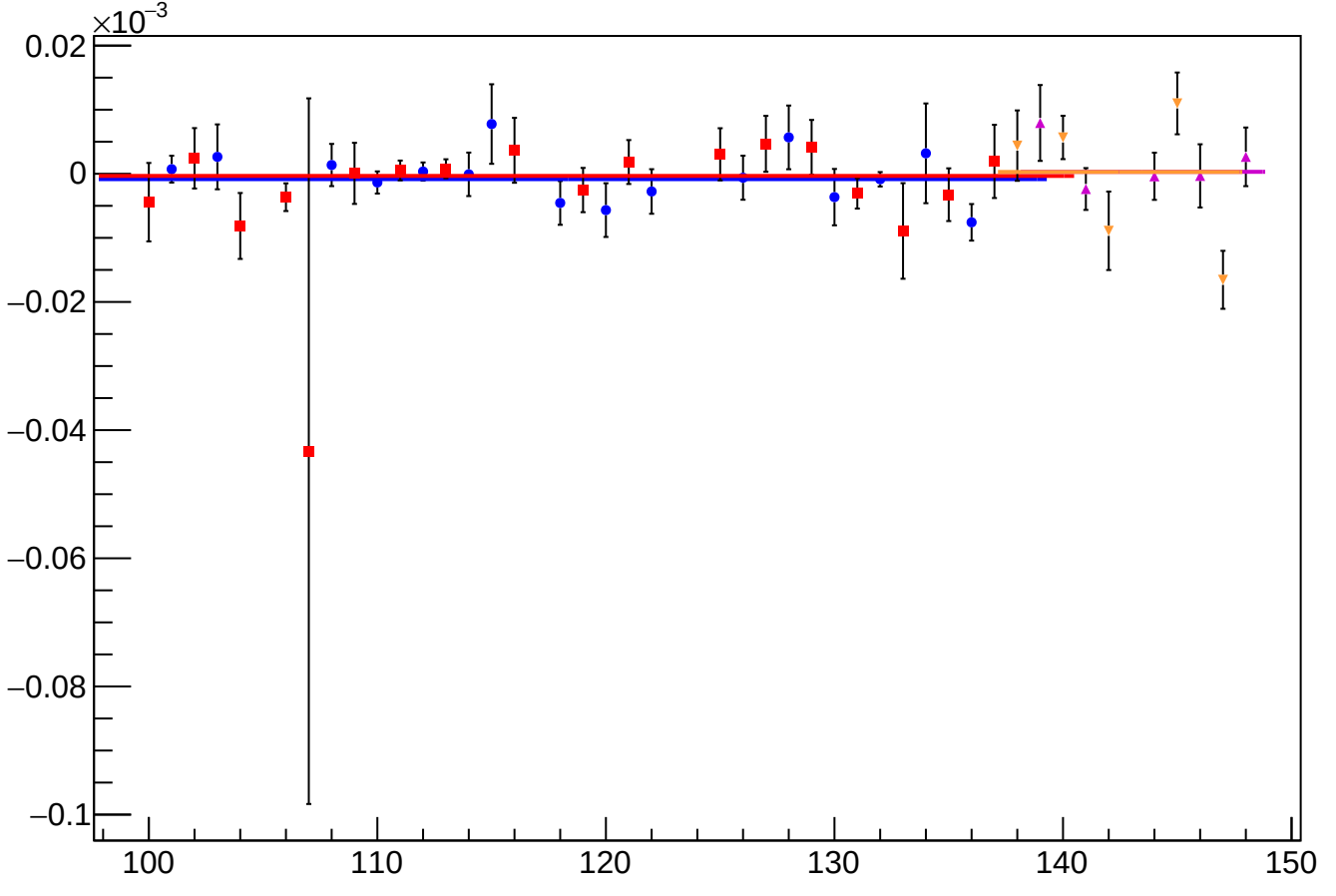
Left: 75.175+/-0.020 χ^2/NDF: 821233.3/9

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 68.768+/-0.015 χ^2/NDF:1176377.1/20

Out: 70.871+/-0.016 χ^2/NDF:1152528.3/22

All: 69.758+/-0.011 χ^2/NDF: 2337954.0/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.6/4

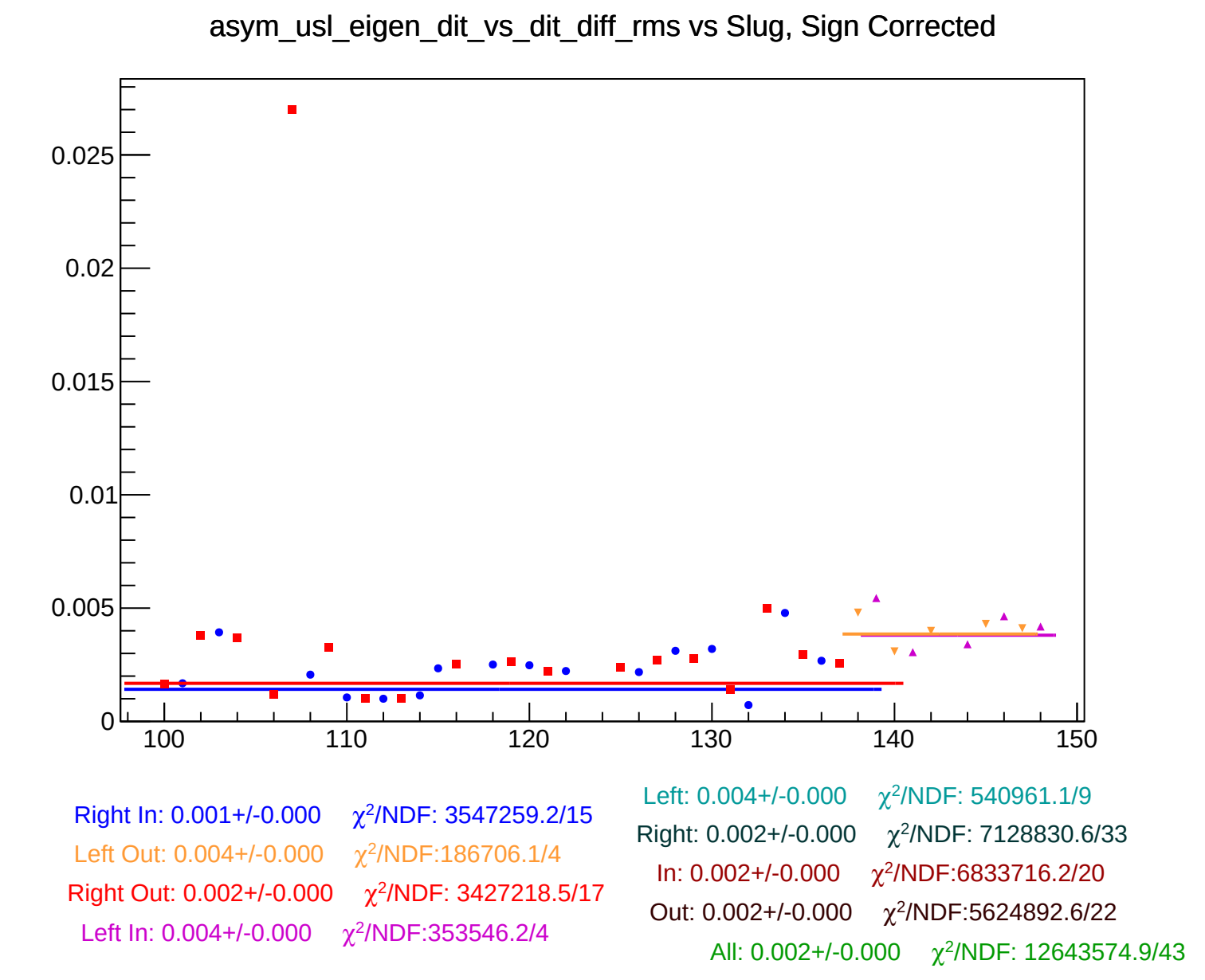
Left: 0.000+/-0.000 χ^2/NDF: 26.8/9

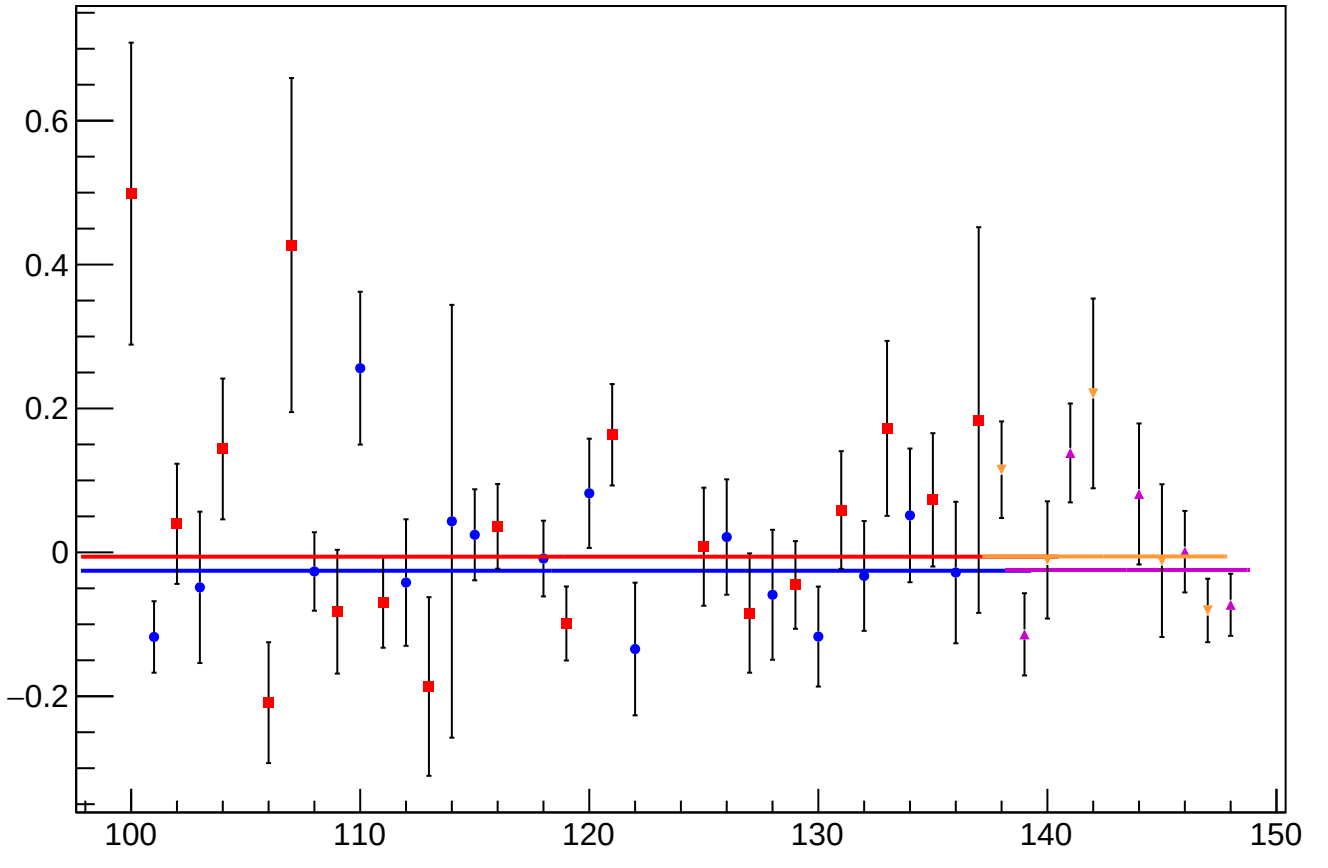
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:18.0/20

Out: -0.000+/-0.000 χ^2/NDF:39.0/22

All: -0.000+/-0.000 χ^2/NDF: 57.3/43


asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 3547259.2/15
Left Out: 0.004+/-0.000 χ²/NDF:186706.1/4
Right Out: 0.002+/-0.000 χ²/NDF: 3427218.5/17
Left In: 0.004+/-0.000 χ²/NDF:353546.2/4
Left: 0.004+/-0.000 χ²/NDF: 540961.1/9
Right: 0.002+/-0.000 χ²/NDF: 7128830.6/33
In: 0.002+/-0.000 χ²/NDF:6833716.2/20
Out: 0.002+/-0.000 χ²/NDF:5624892.6/22
All: 0.002+/-0.000 χ²/NDF: 12643574.9/43



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

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

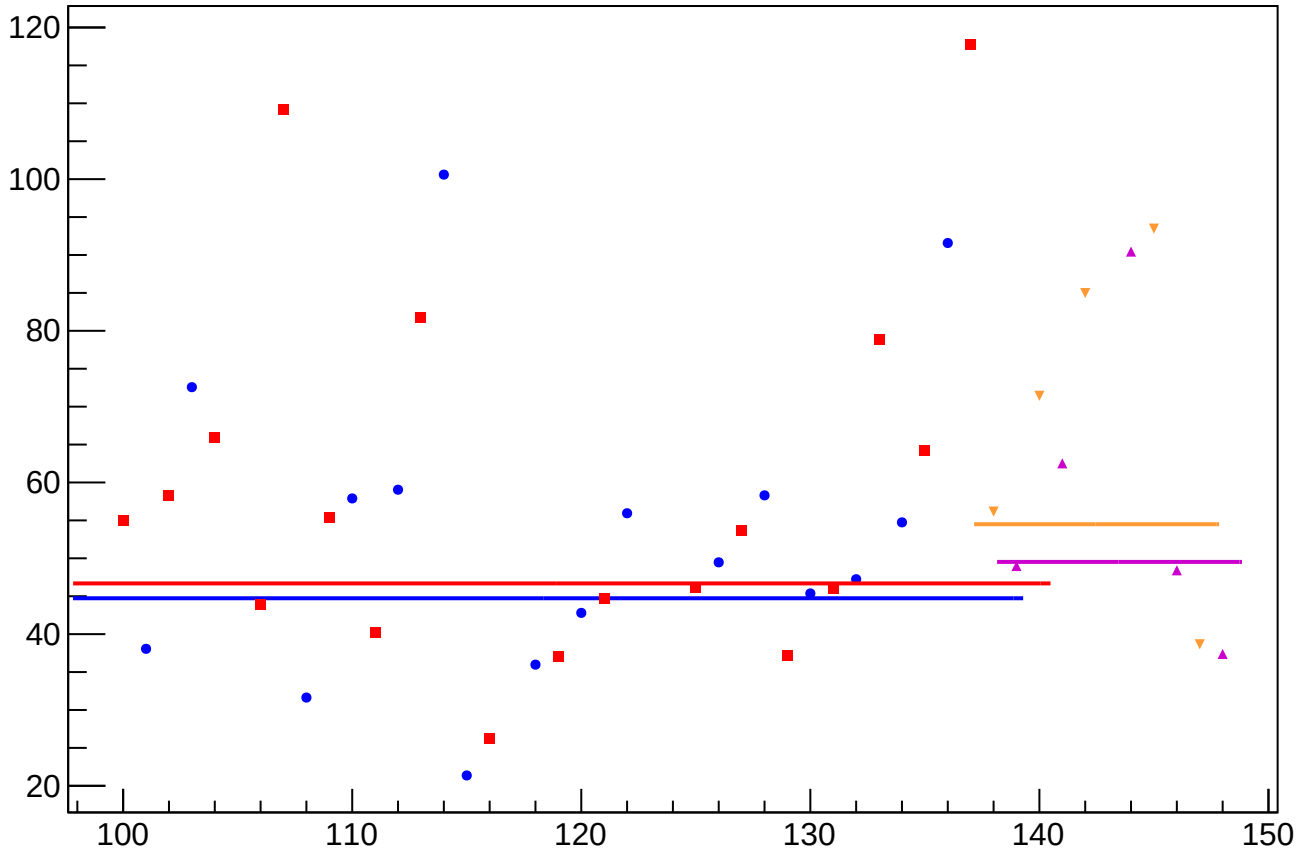
Left: -0.017+/-0.020 χ^2/NDF: 20.0/9

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.016+/-0.011 χ^2/NDF: 74.7/43



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 54.493+/-0.022 χ^2/NDF:721812.0/4

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 49.525+/-0.018 χ^2/NDF:579187.7/4

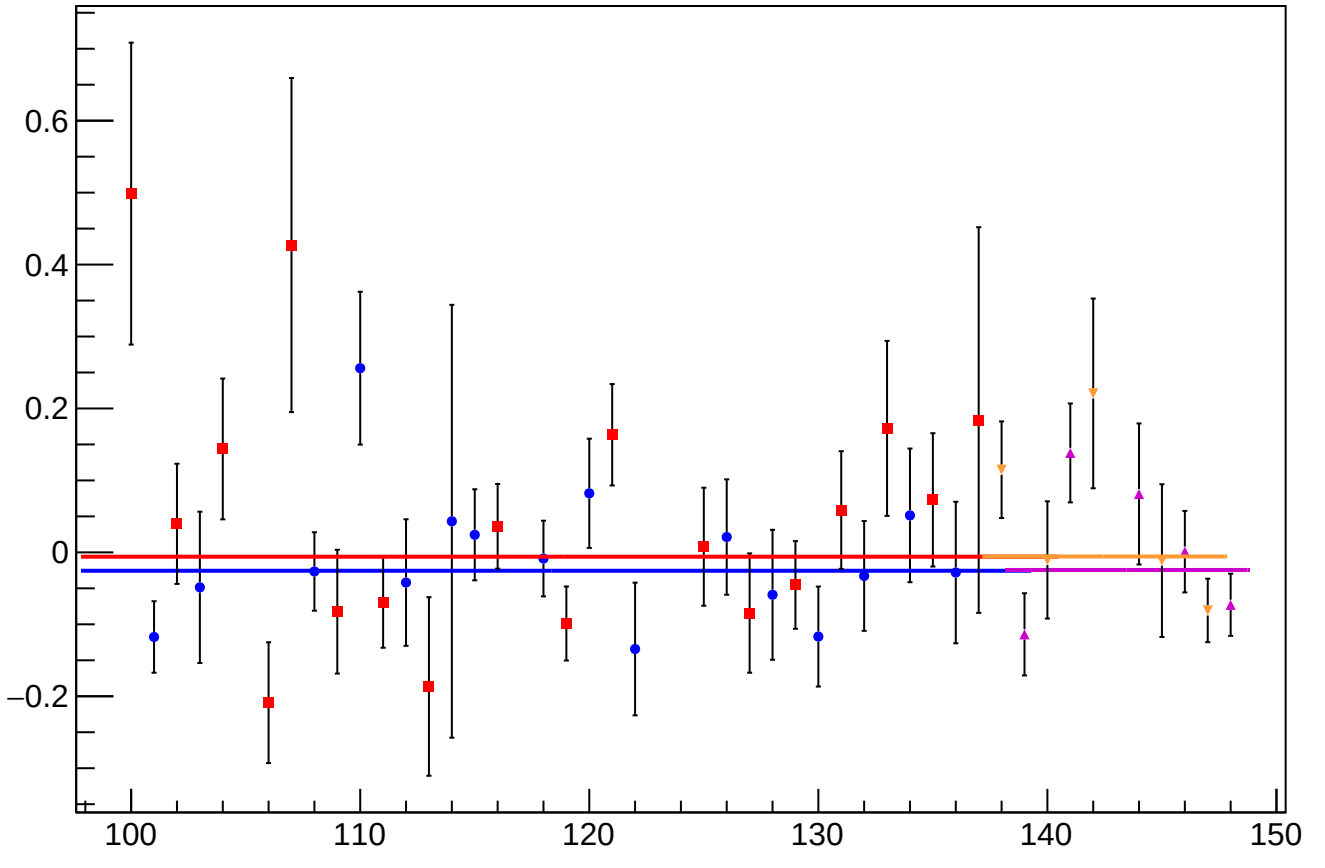
Left: 51.575+/-0.014 χ^2/NDF: 1330941.2/9

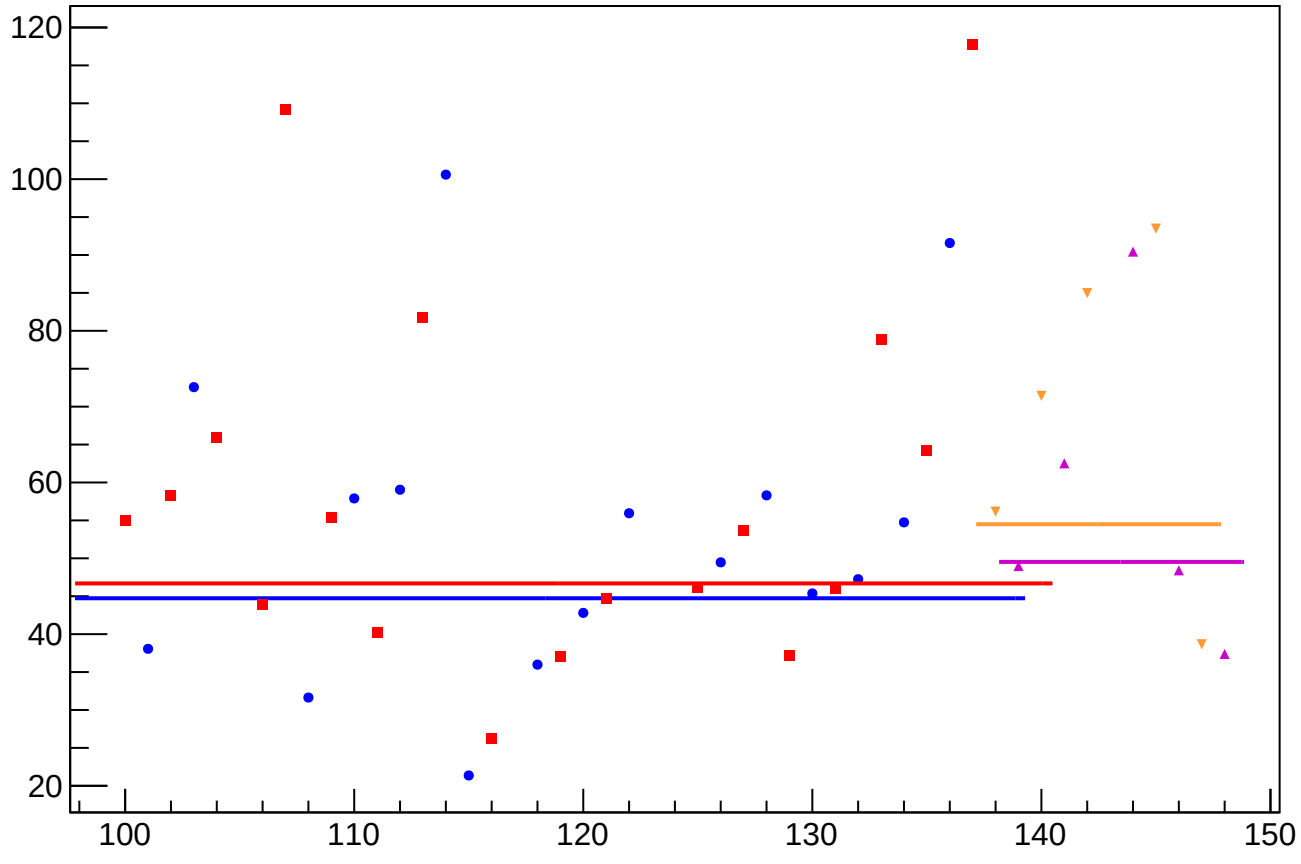
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.367+/-0.011 χ^2/NDF:1958295.0/20

Out: 48.872+/-0.012 χ^2/NDF:2007902.2/22

All: 47.523+/-0.008 χ^2/NDF: 3991153.3/43


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.006+/-0.031 χ²/NDF:9.1/4
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.024+/-0.026 χ²/NDF:10.7/4
Left: -0.017+/-0.020 χ²/NDF: 20.0/9
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.025+/-0.015 χ²/NDF:28.3/20
Out: -0.006+/-0.016 χ²/NDF:45.6/22
All: -0.016+/-0.011 χ²/NDF: 74.7/43



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 54.493+/-0.022 χ^2/NDF:721812.0/4

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 49.525+/-0.018 χ^2/NDF:579187.7/4

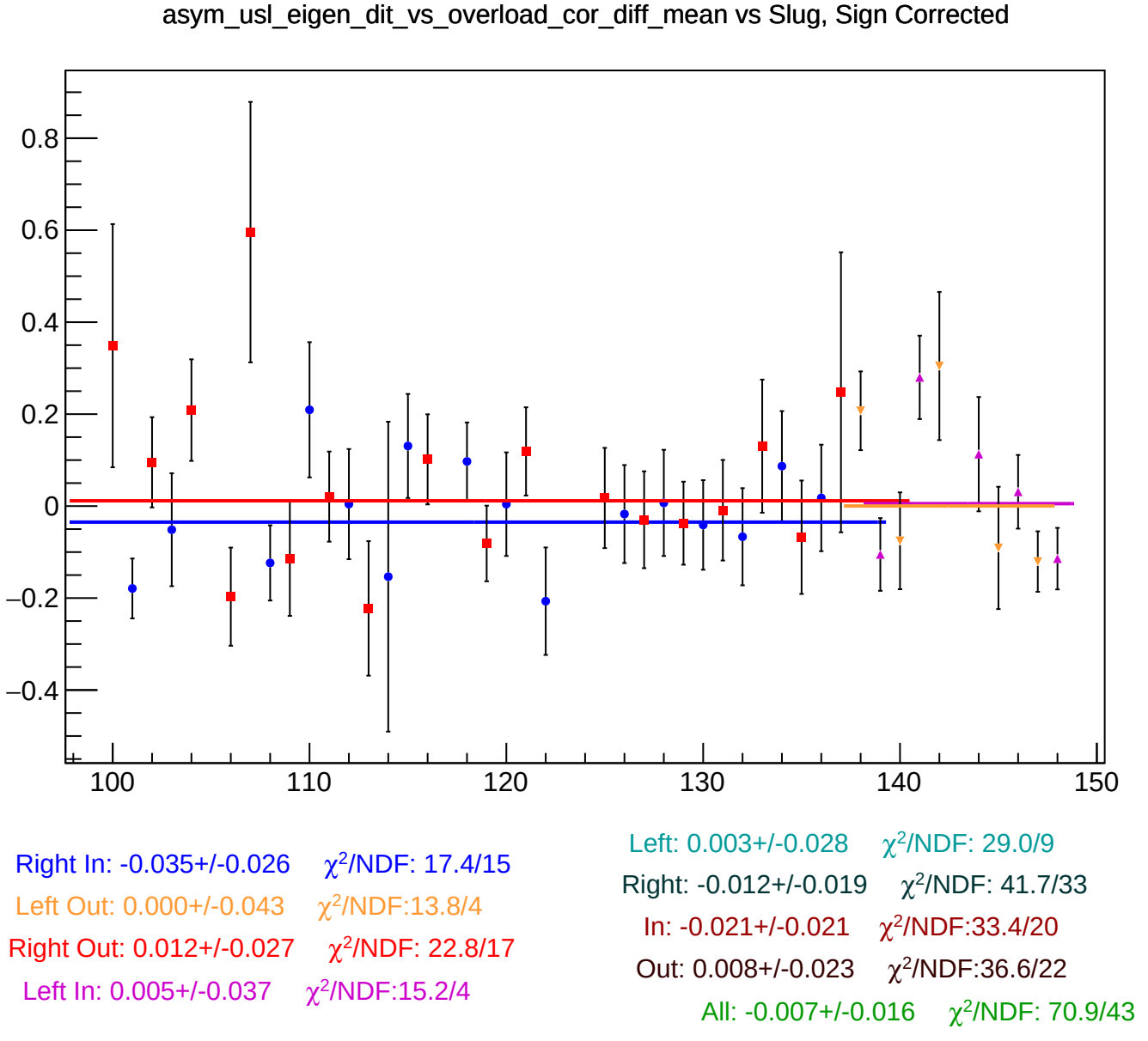
Left: 51.575+/-0.014 χ^2/NDF: 1330941.2/9

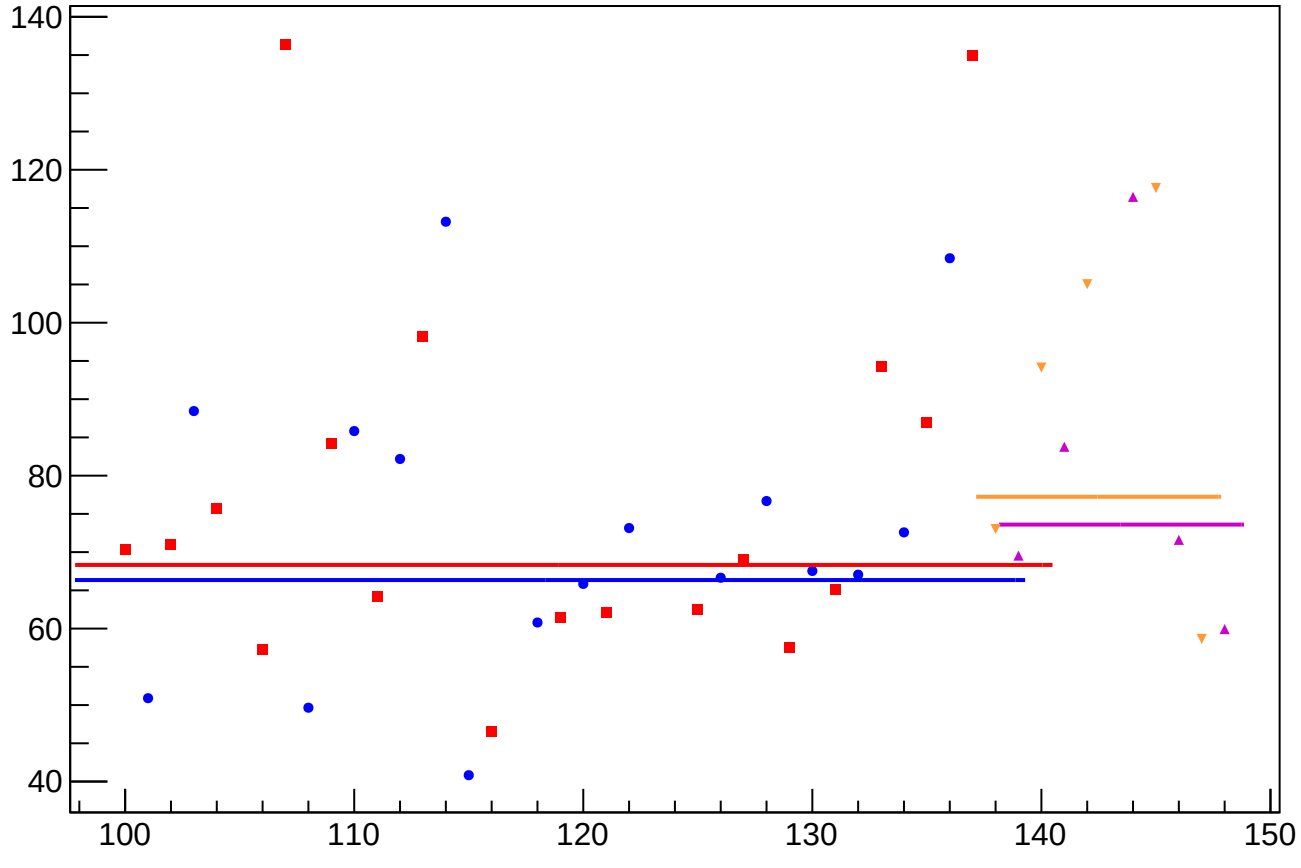
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.367+/-0.011 χ^2/NDF:1958295.0/20

Out: 48.872+/-0.012 χ^2/NDF:2007902.2/22

All: 47.523+/-0.008 χ^2/NDF: 3991153.3/43


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: 0.000+/-0.043 χ²/NDF:13.8/4
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.005+/-0.037 χ²/NDF:15.2/4
Left: 0.003+/-0.028 χ²/NDF: 29.0/9
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.021+/-0.021 χ²/NDF:33.4/20
Out: 0.008+/-0.023 χ²/NDF:36.6/22
All: -0.007+/-0.016 χ²/NDF: 70.9/43



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 77.241+/-0.030 χ^2/NDF:460026.3/4

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 73.601+/-0.026 χ^2/NDF:352862.9/4

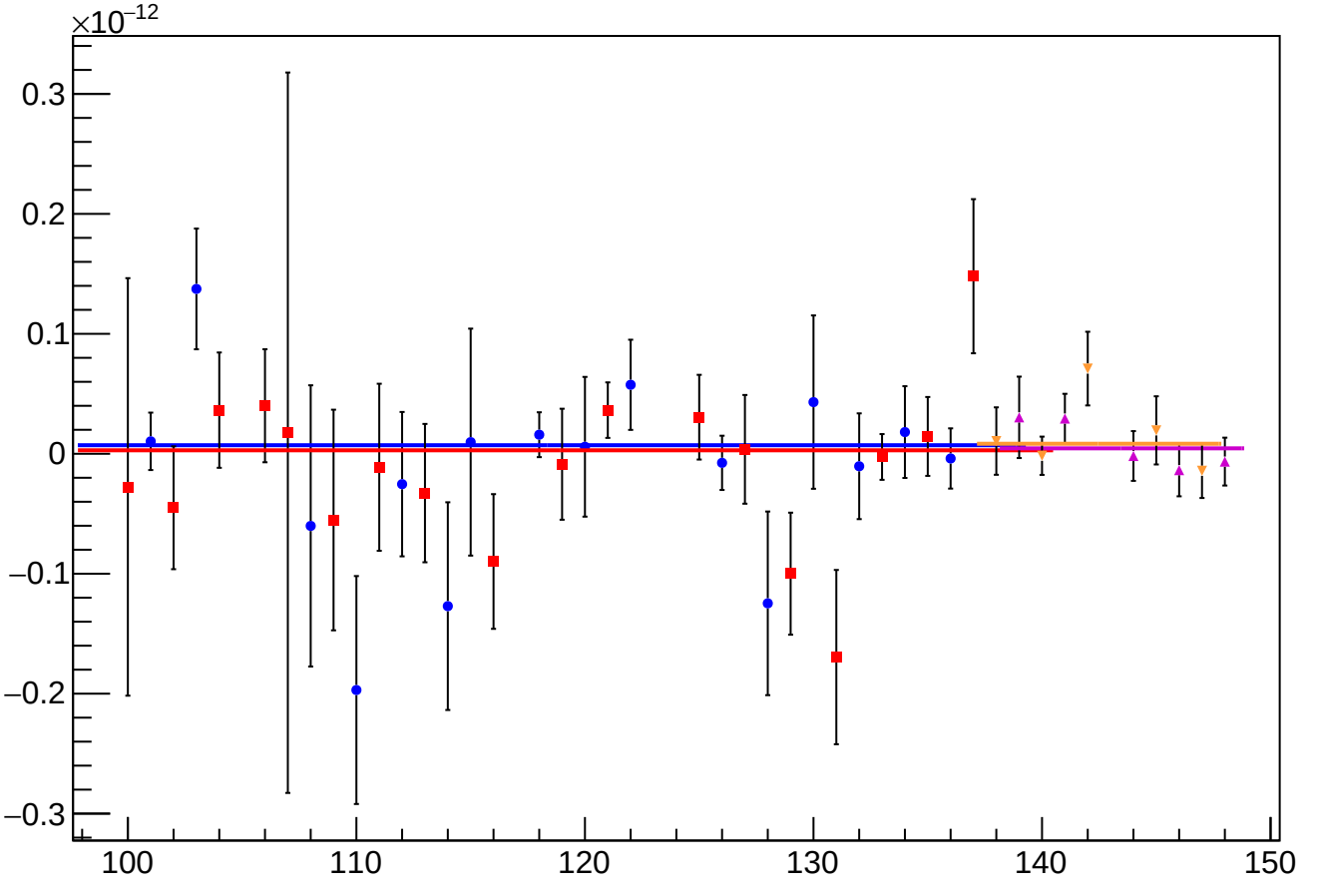
Left: 75.175+/-0.020 χ^2/NDF: 821202.4/9

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 68.768+/-0.015 χ^2/NDF:1176384.2/20

Out: 70.870+/-0.016 χ^2/NDF:1152520.3/22

All: 69.758+/-0.011 χ^2/NDF: 2337951.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

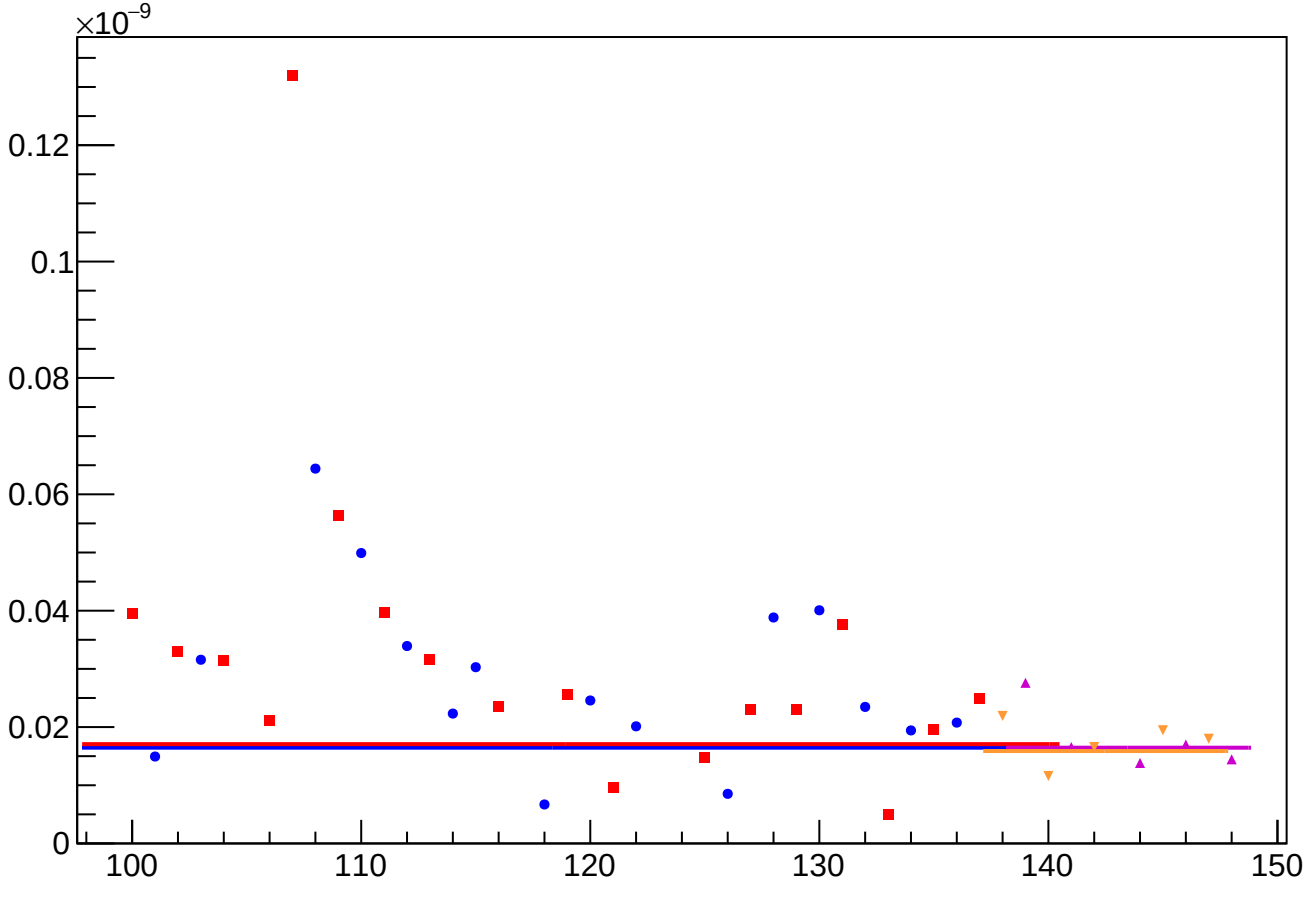
Left: 0.000+/-0.000 χ^2/NDF: 8.9/9

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:23.6/20

Out: 0.000+/-0.000 χ^2/NDF:29.2/22

All: 0.000+/-0.000 χ^2/NDF: 52.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:286277.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:269439.3/4

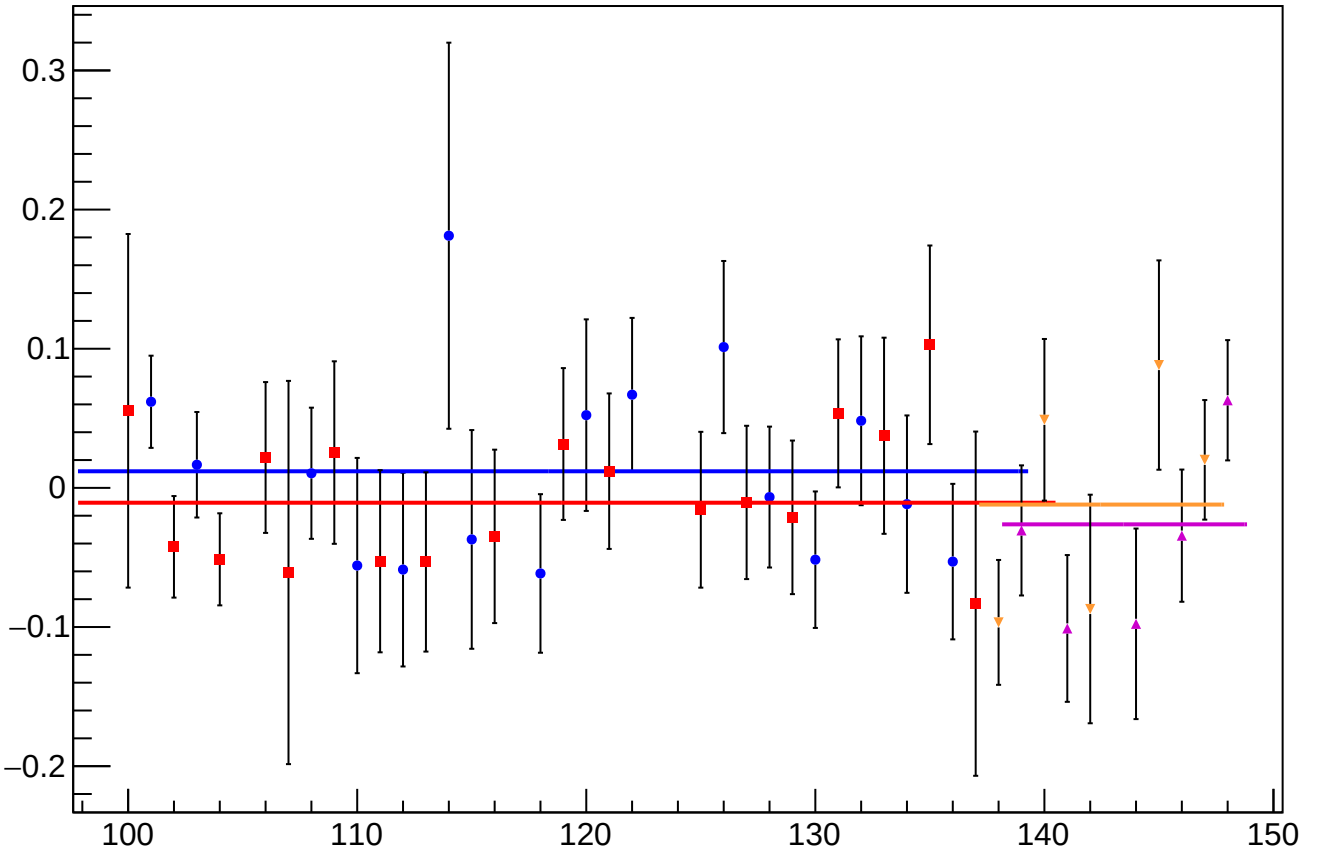
Left: 0.000+/-0.000 χ^2/NDF: 558905.6/9

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:2615328.4/20

Out: 0.000+/-0.000 χ^2/NDF:3091514.9/22

All: 0.000+/-0.000 χ^2/NDF: 5706886.6/43



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.026+/-0.022 χ^2/NDF:7.4/4

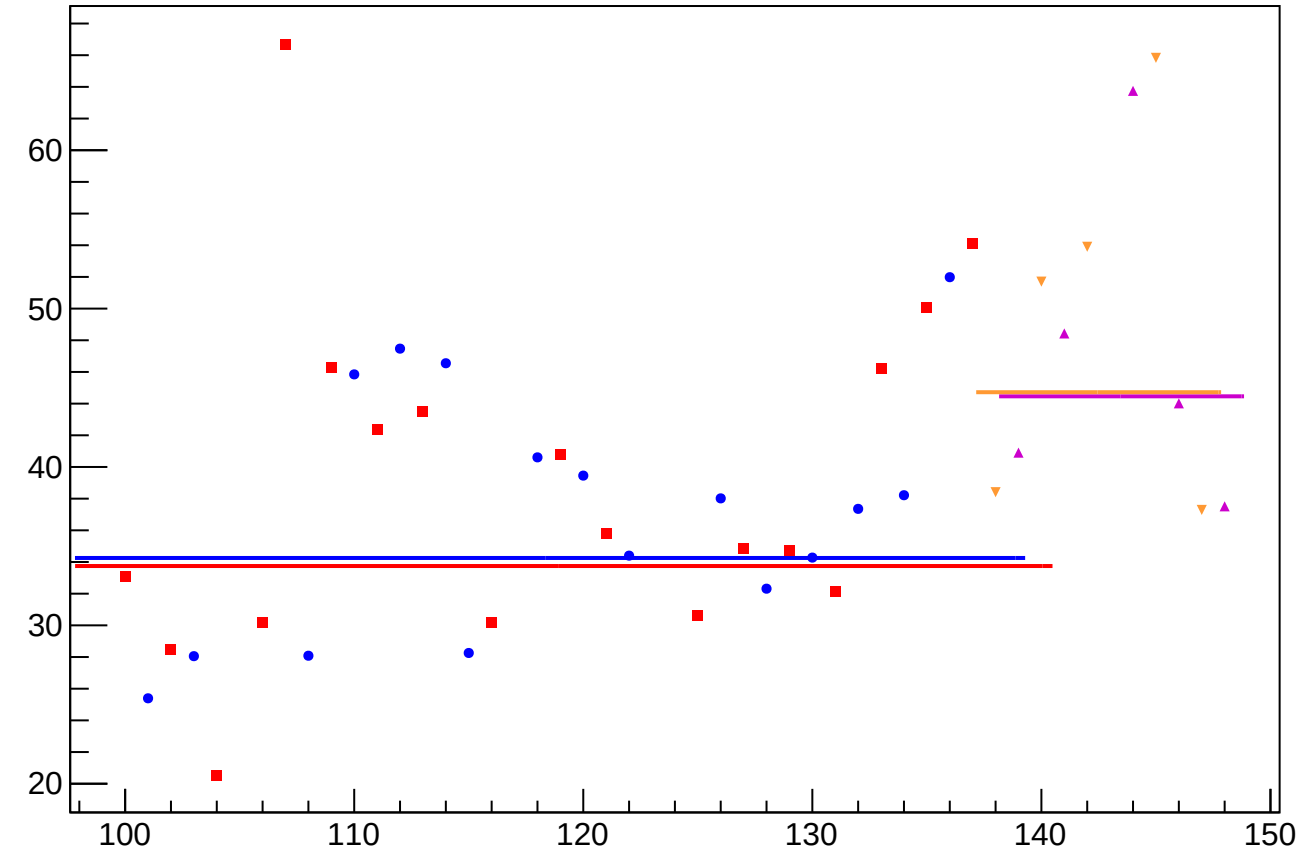
Left: -0.020+/-0.017 χ^2/NDF: 15.4/9

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.012 χ^2/NDF:24.2/20

Out: -0.011+/-0.012 χ^2/NDF:17.8/22

All: -0.005+/-0.008 χ^2/NDF: 42.6/43



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 44.721+/-0.017 χ^2/NDF:310833.7/4

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.461+/-0.016 χ^2/NDF:233441.6/4

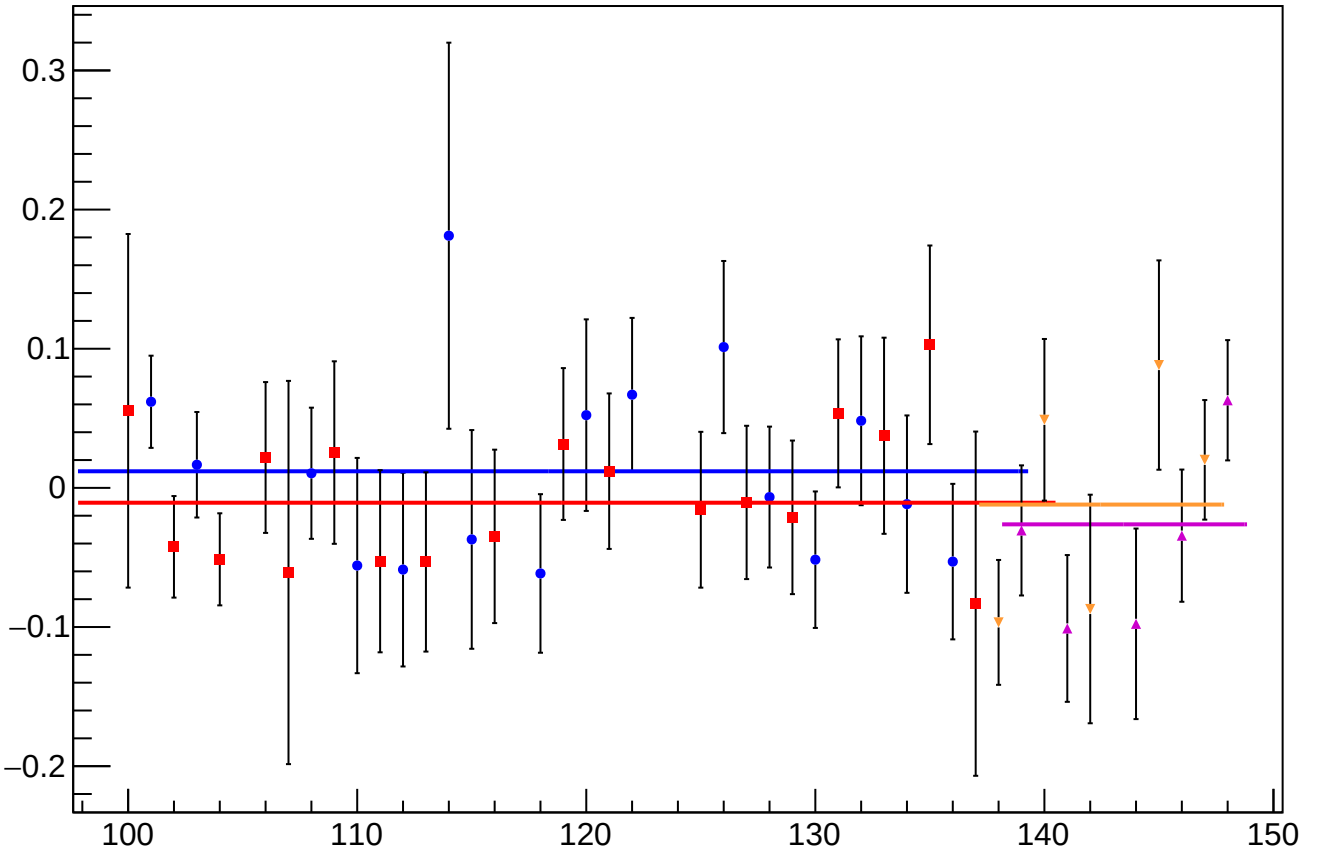
Left: 44.578+/-0.012 χ^2/NDF: 544397.6/9

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.023+/-0.008 χ^2/NDF:1174460.6/20

Out: 36.278+/-0.008 χ^2/NDF:1530303.5/22

All: 36.656+/-0.006 χ^2/NDF: 2708819.5/43



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.026+/-0.022 χ^2/NDF:7.4/4

Left: -0.020+/-0.017 χ^2/NDF: 15.4/9

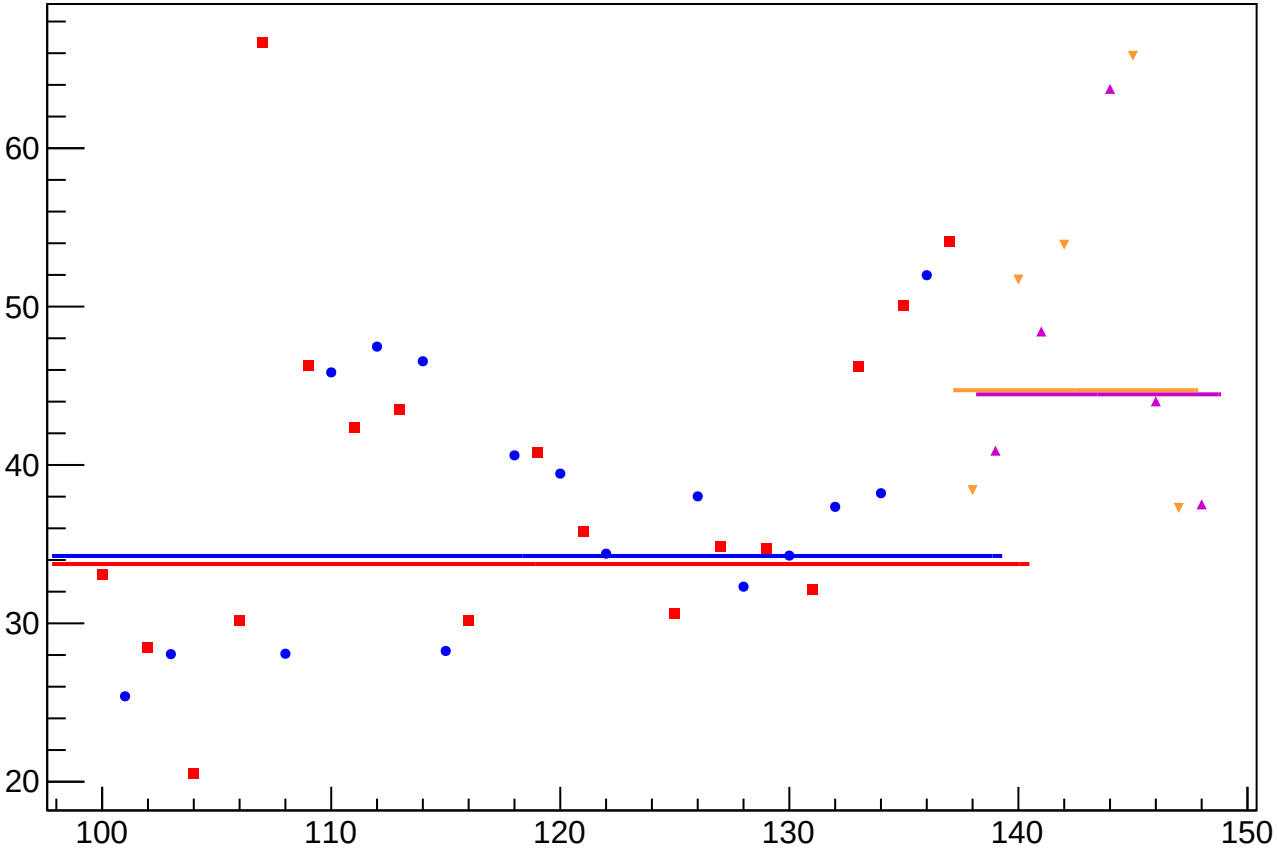
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.012 χ^2/NDF:24.2/20

Out: -0.011+/-0.012 χ^2/NDF:17.8/22

All: -0.005+/-0.008 χ^2/NDF: 42.6/43

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: 44.721+/-0.017 χ^2/NDF:310833.7/4

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 44.461+/-0.016 χ^2/NDF:233441.6/4

Left: 44.578+/-0.012 χ^2/NDF: 544397.6/9

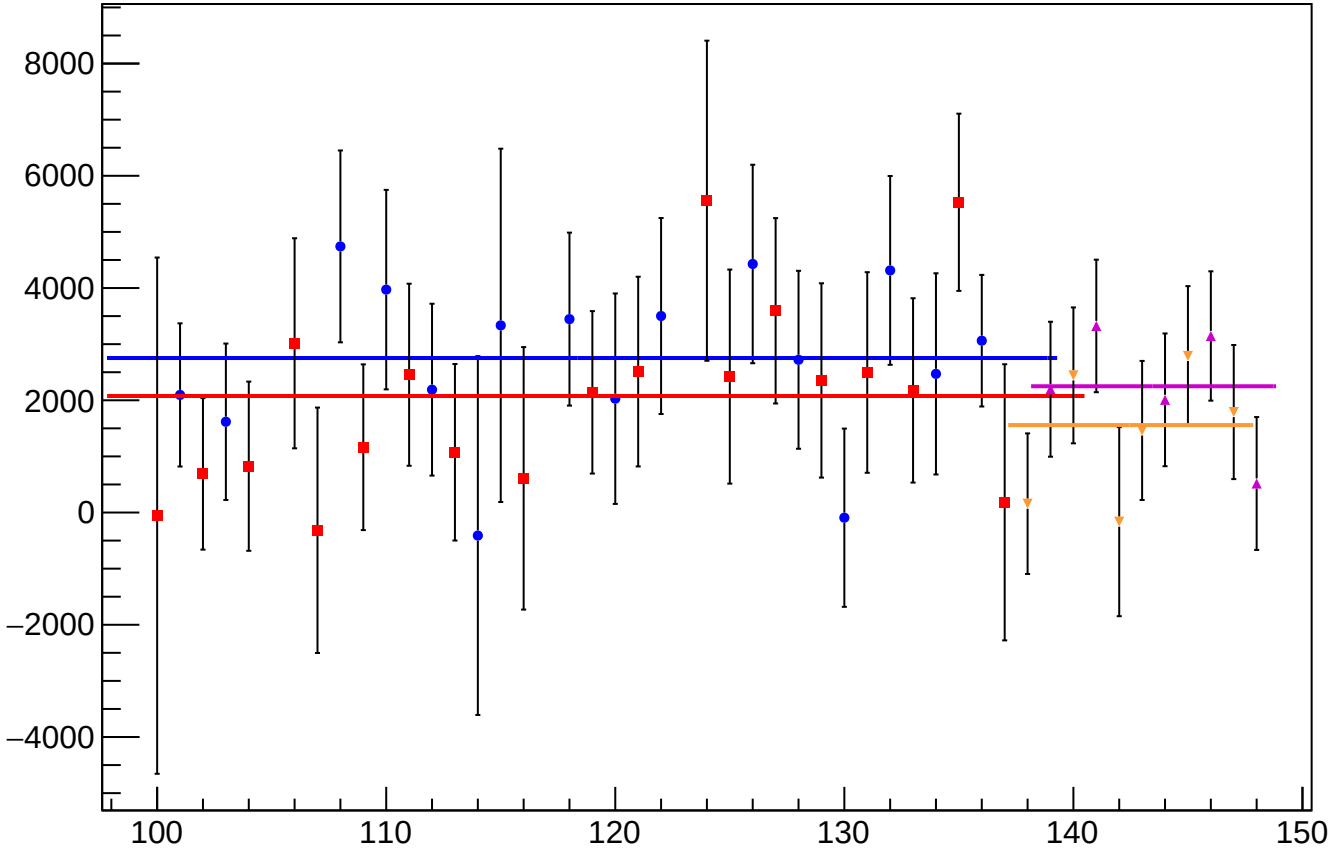
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.023+/-0.008 χ^2/NDF:1174460.6/20

Out: 36.278+/-0.008 χ^2/NDF:1530303.5/22

All: 36.656+/-0.006 χ^2/NDF: 2708819.5/43

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2249.871+/-527.692 χ^2/NDF:3.6/4

Left: 1900.428+/-371.108 χ^2/NDF: 8.3/10

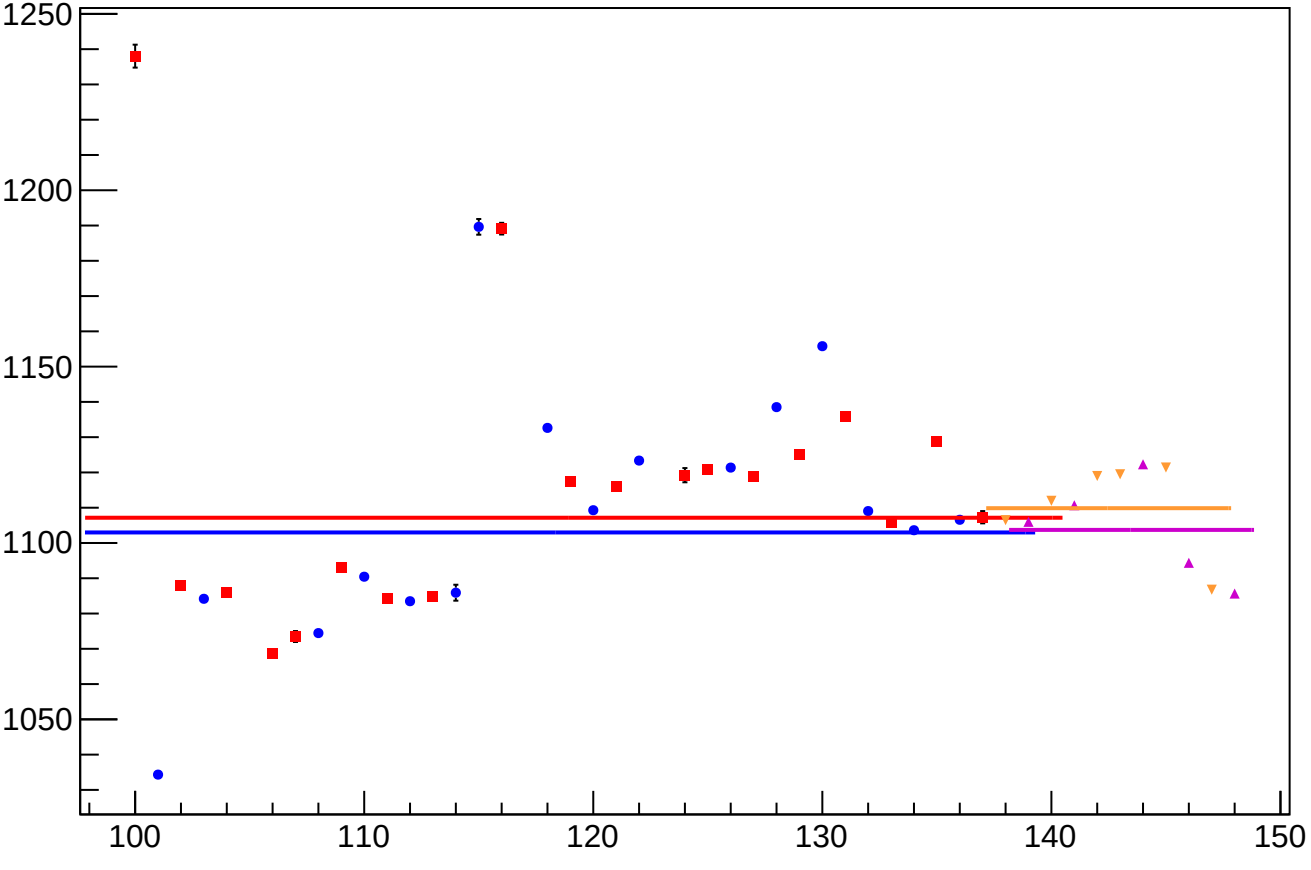
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2563.776+/-323.681 χ^2/NDF:13.7/20

Out: 1882.553+/-319.391 χ^2/NDF:17.0/24

All: 2218.619+/-227.345 χ^2/NDF: 32.9/45

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

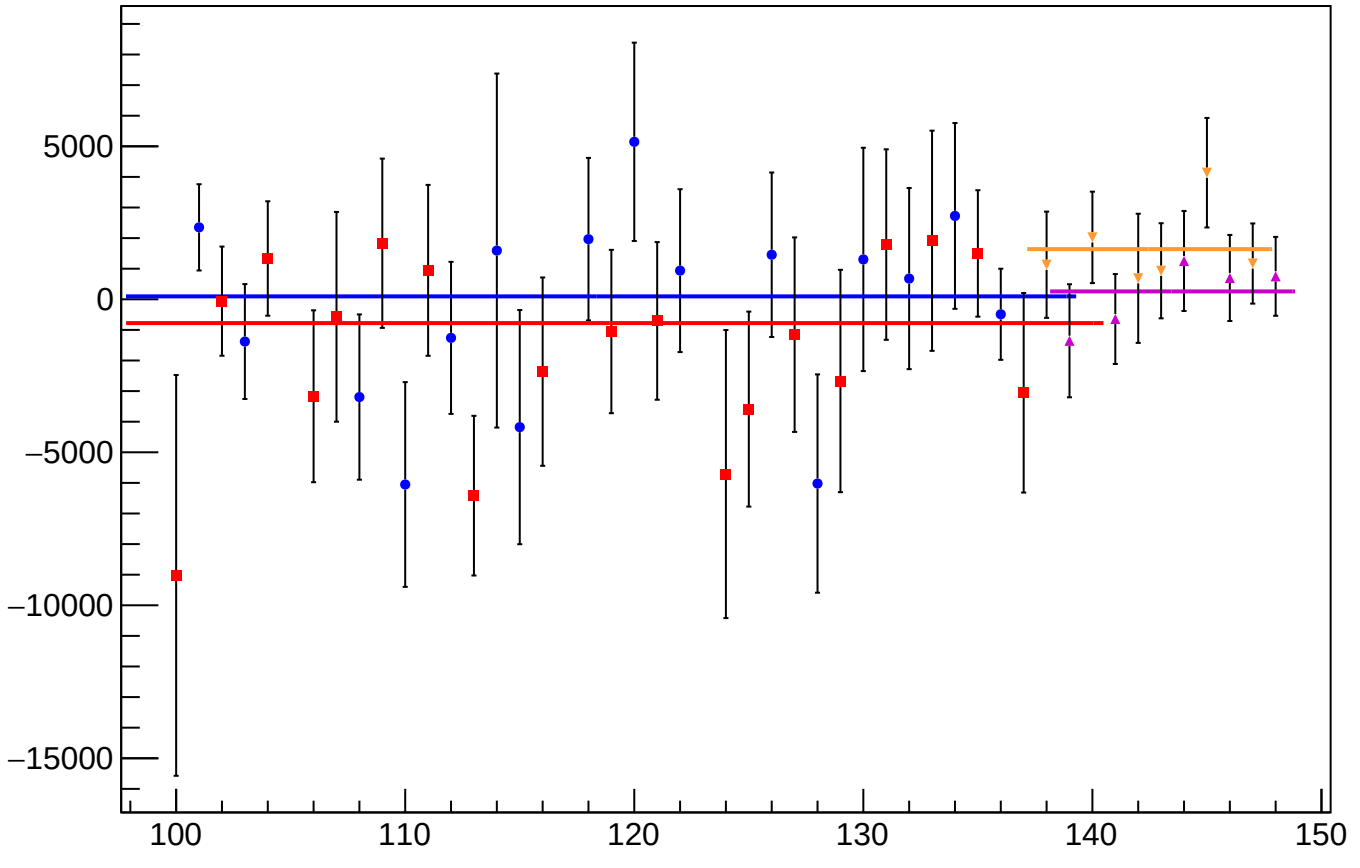
Left: 1106.822+/-0.262 χ^2/NDF: 2425.2/10

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.260+/-0.229 χ^2/NDF:14394.2/20

Out: 1108.173+/-0.226 χ^2/NDF:9836.7/24

All: 1105.749+/-0.161 χ^2/NDF: 24464.3/45



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 258.003+/-668.430 χ^2/NDF:1.8/4

Left: 960.515+/-468.750 χ^2/NDF: 6.6/10

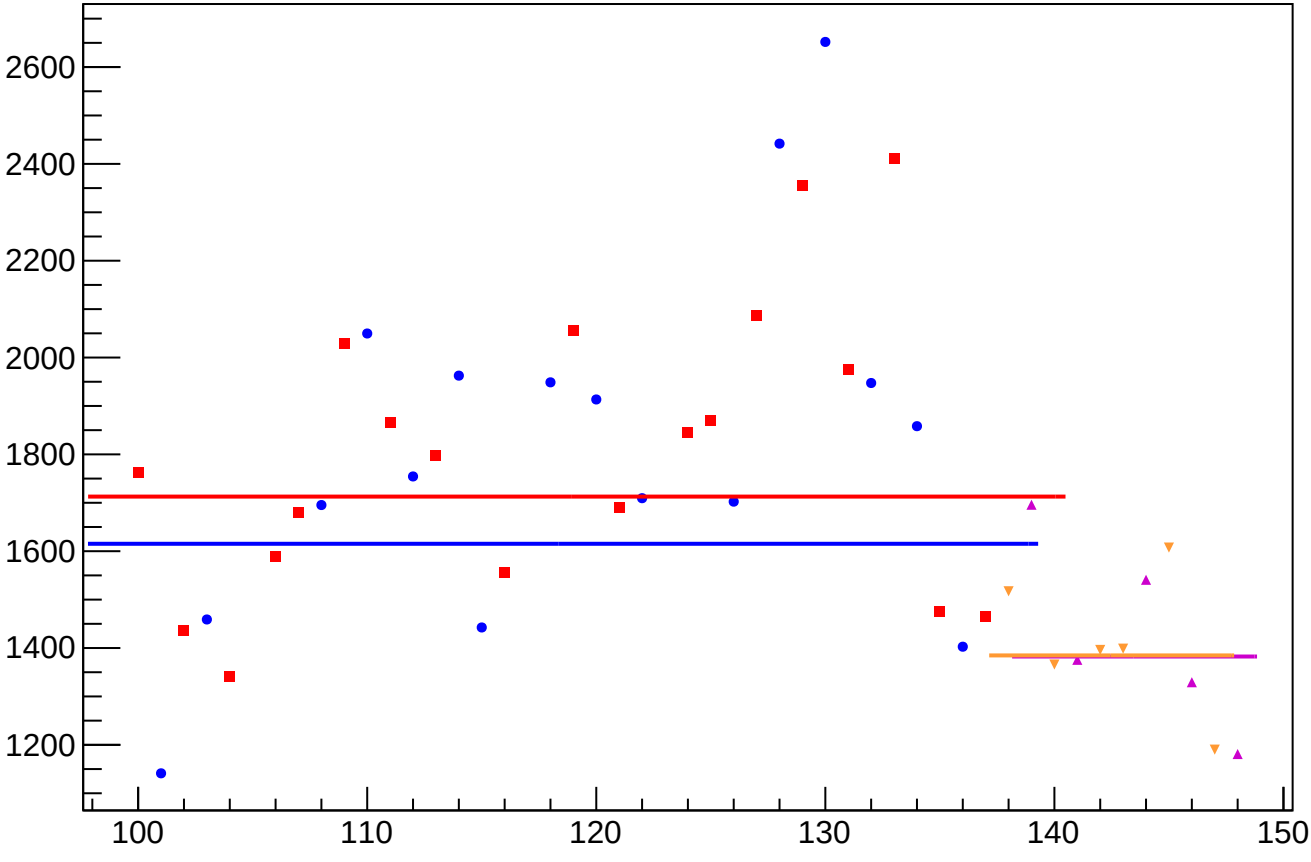
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 170.649+/-453.812 χ^2/NDF:18.7/20

Out: 393.263+/-457.500 χ^2/NDF:24.7/24

All: 281.055+/-322.190 χ^2/NDF: 43.5/45

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

Left: 1383.616+/-0.331 χ^2/NDF: 215458.4/10

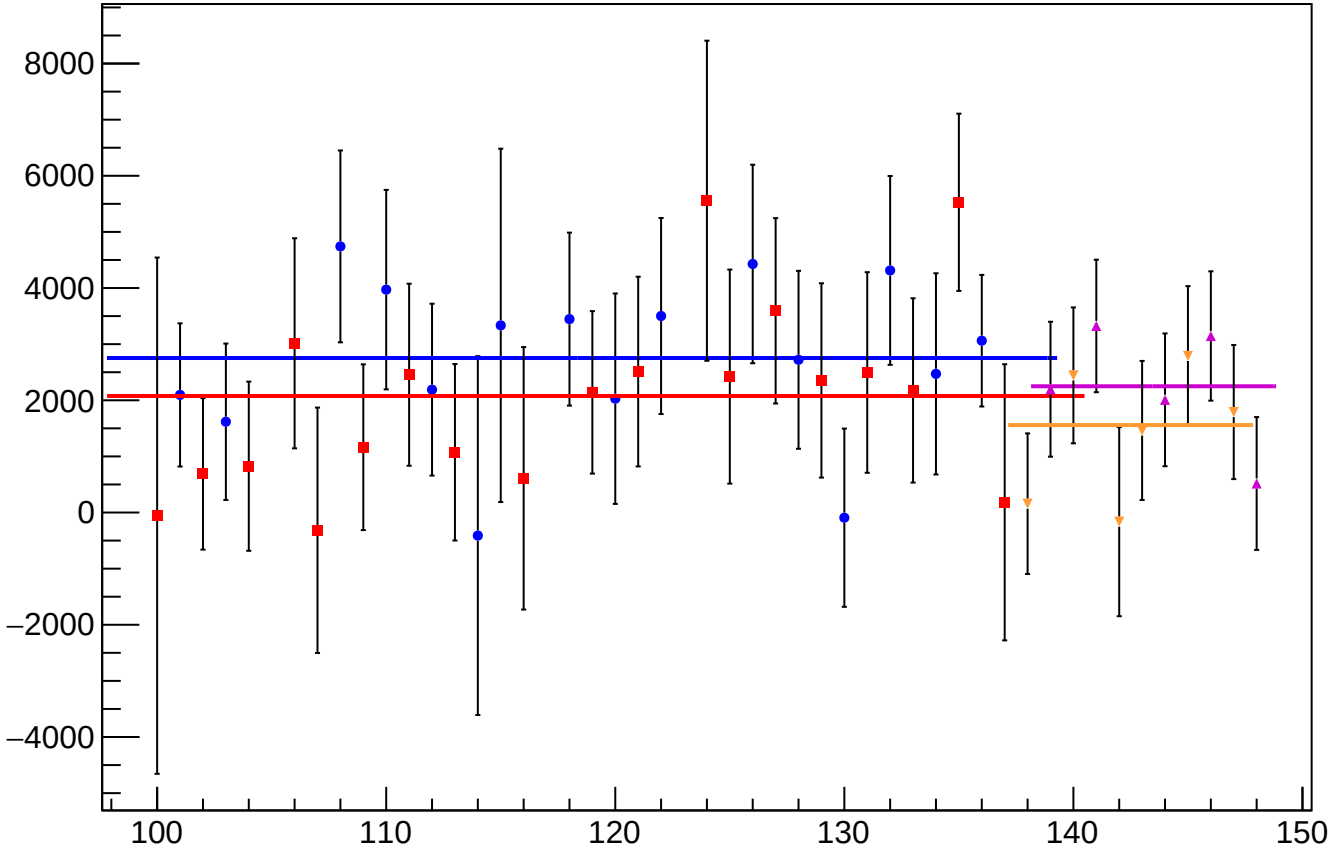
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1507.988+/-0.321 χ^2/NDF:952602.5/20

Out: 1553.973+/-0.324 χ^2/NDF:772222.1/24

All: 1530.794+/-0.228 χ^2/NDF: 1735009.4/45

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2249.871+/-527.692 χ^2/NDF:3.6/4

Left: 1900.428+/-371.108 χ^2/NDF: 8.3/10

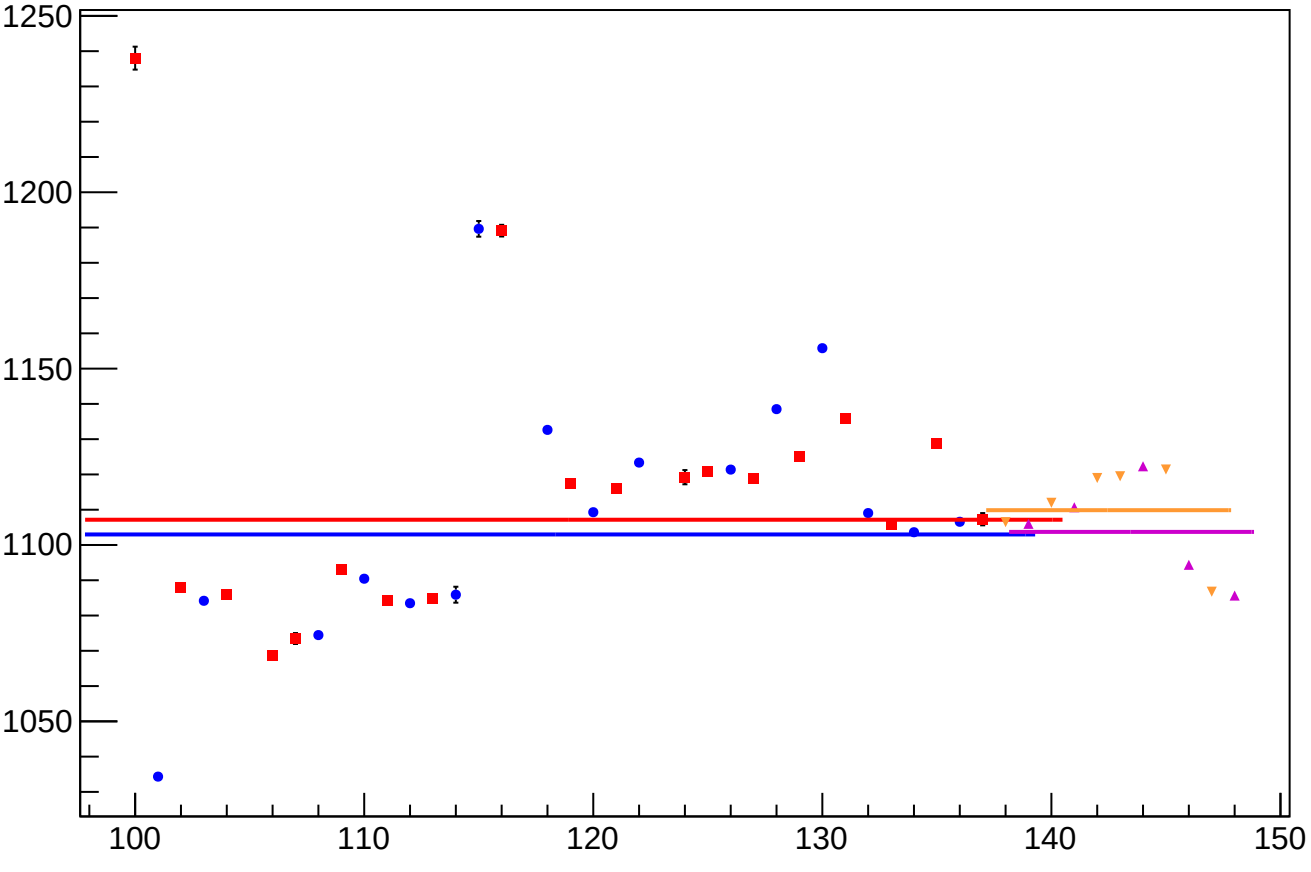
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2563.776+/-323.681 χ^2/NDF:13.7/20

Out: 1882.553+/-319.391 χ^2/NDF:17.0/24

All: 2218.619+/-227.345 χ^2/NDF: 32.9/45

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

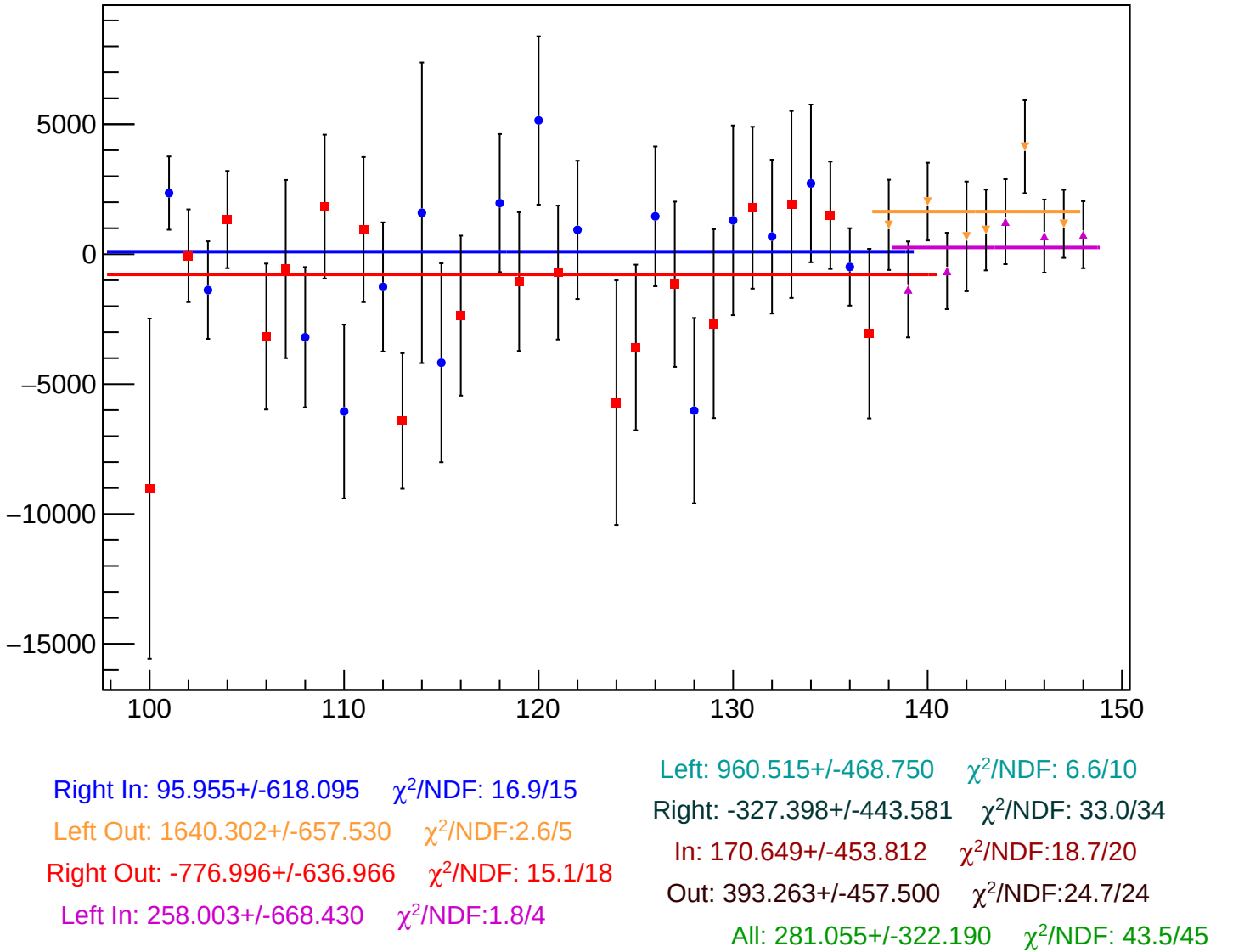
Left: 1106.822+/-0.262 χ^2/NDF: 2425.2/10

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

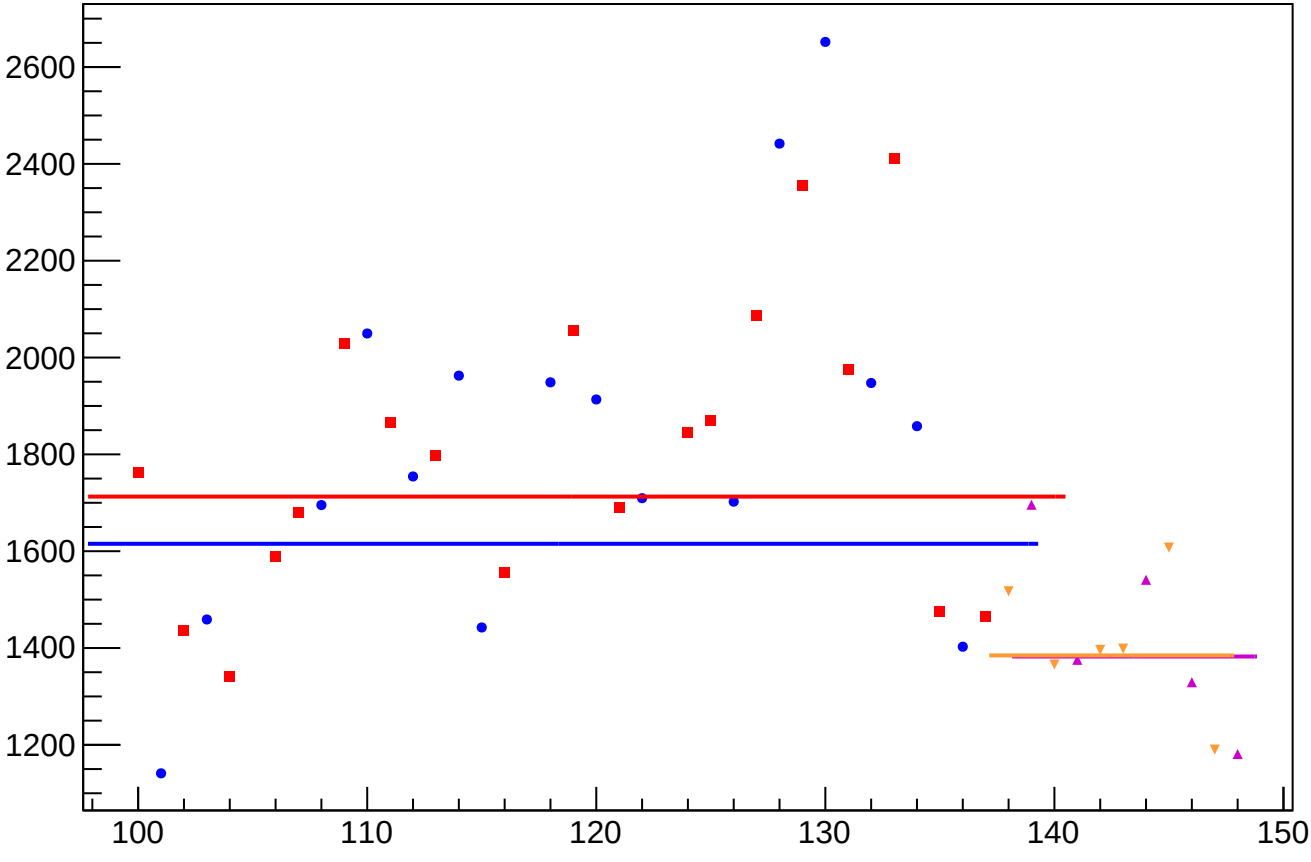
In: 1103.260+/-0.229 χ^2/NDF:14394.2/20

Out: 1108.173+/-0.226 χ^2/NDF:9836.7/24

All: 1105.749+/-0.161 χ^2/NDF: 24464.3/45


asym_usr_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 1640.302+/-657.530 χ²/NDF:2.6/5
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 258.003+/-668.430 χ²/NDF:1.8/4
Left: 960.515+/-468.750 χ²/NDF: 6.6/10
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 170.649+/-453.812 χ²/NDF:18.7/20
Out: 393.263+/-457.500 χ²/NDF:24.7/24
All: 281.055+/-322.190 χ²/NDF: 43.5/45

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

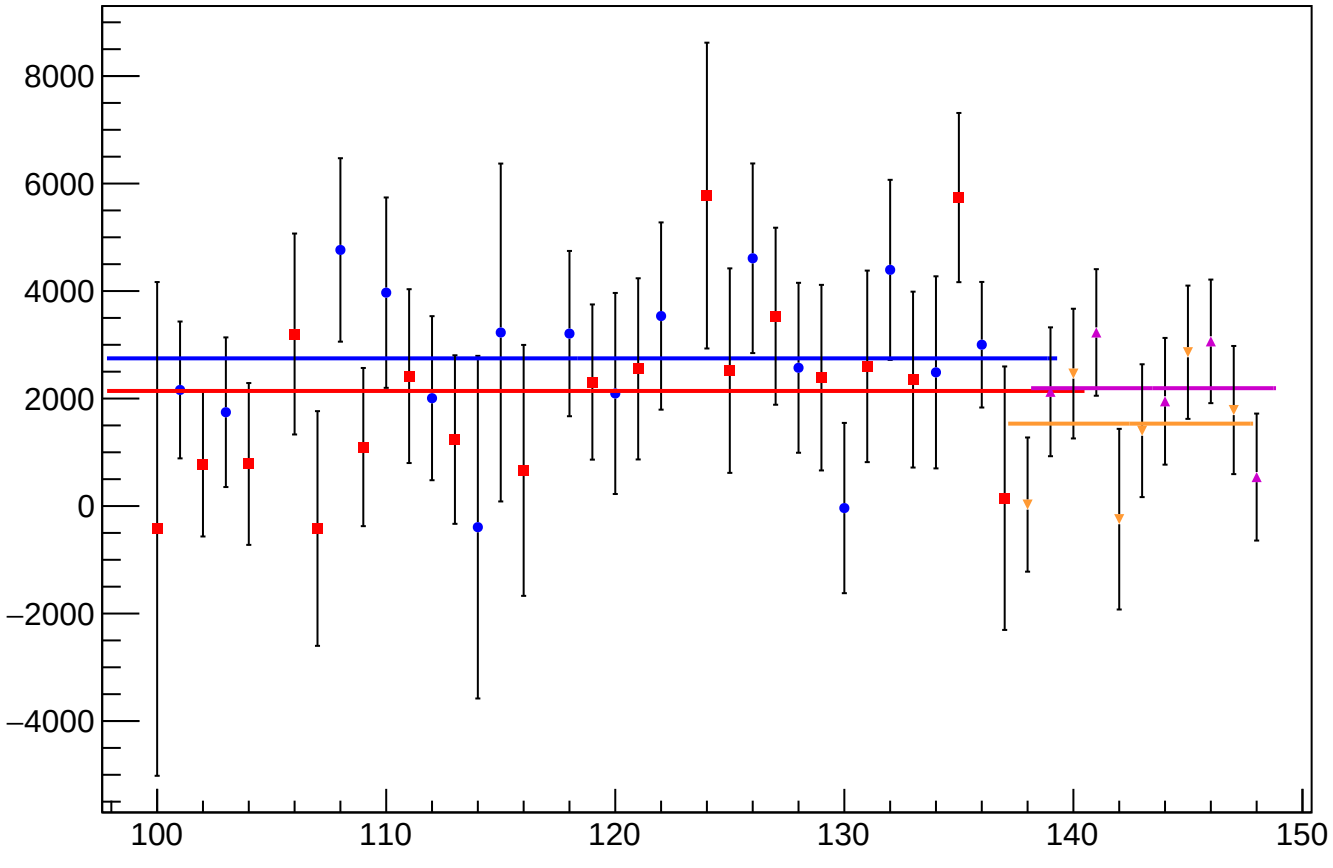
Left: 1383.616+/-0.331 χ^2/NDF: 215458.4/10

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1507.988+/-0.321 χ^2/NDF:952602.5/20

Out: 1553.973+/-0.324 χ^2/NDF:772222.1/24

All: 1530.794+/-0.228 χ^2/NDF: 1735009.4/45



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1533.207+/-520.456 χ^2/NDF:4.4/5

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2192.786+/-526.317 χ^2/NDF:3.4/4

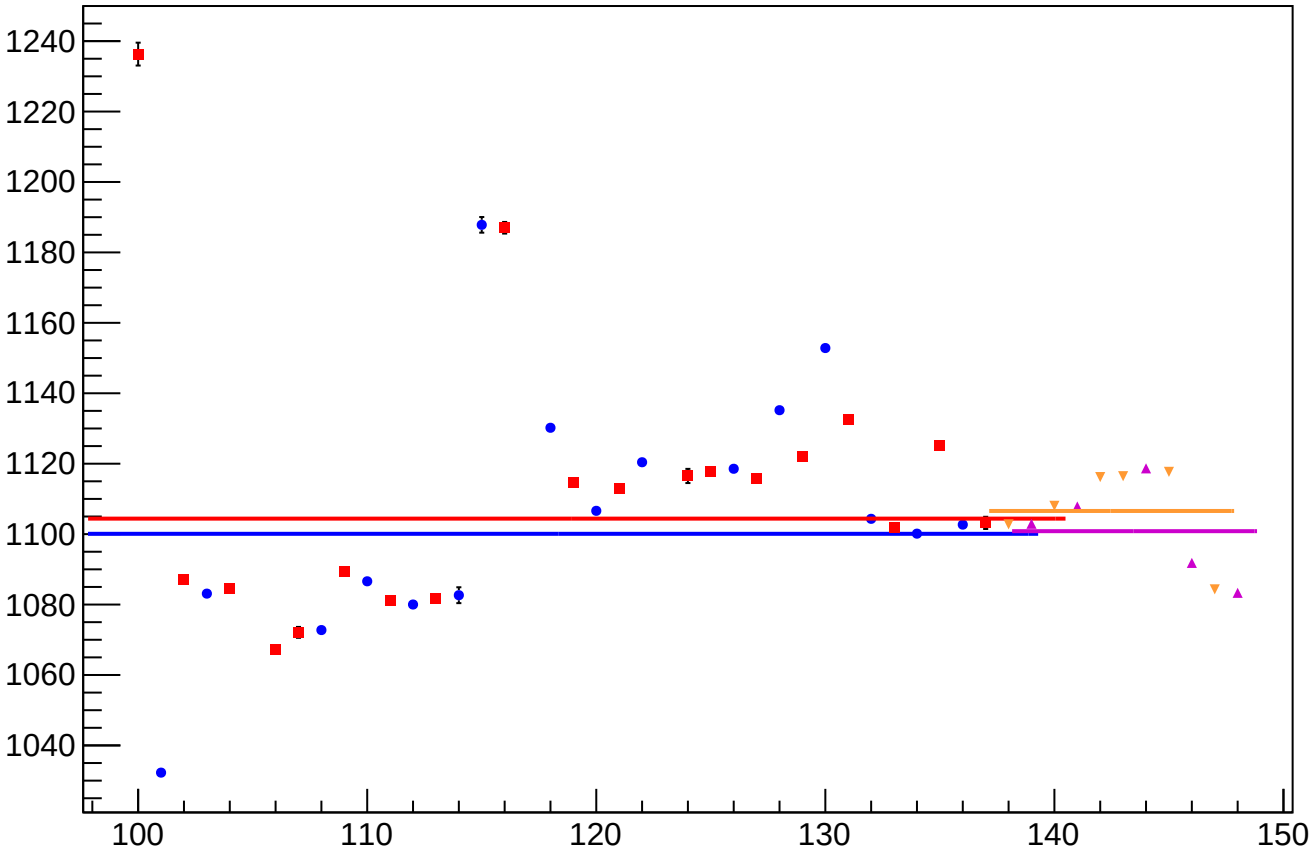
Left: 1859.304+/-370.073 χ^2/NDF: 8.5/10

Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2539.070+/-322.833 χ^2/NDF:13.6/20

Out: 1913.434+/-318.537 χ^2/NDF:18.8/24

All: 2222.063+/-226.743 χ^2/NDF: 34.2/45



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1106.576+/-0.368 χ^2/NDF:1072.6/5

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1100.839+/-0.372 χ^2/NDF:1097.2/4

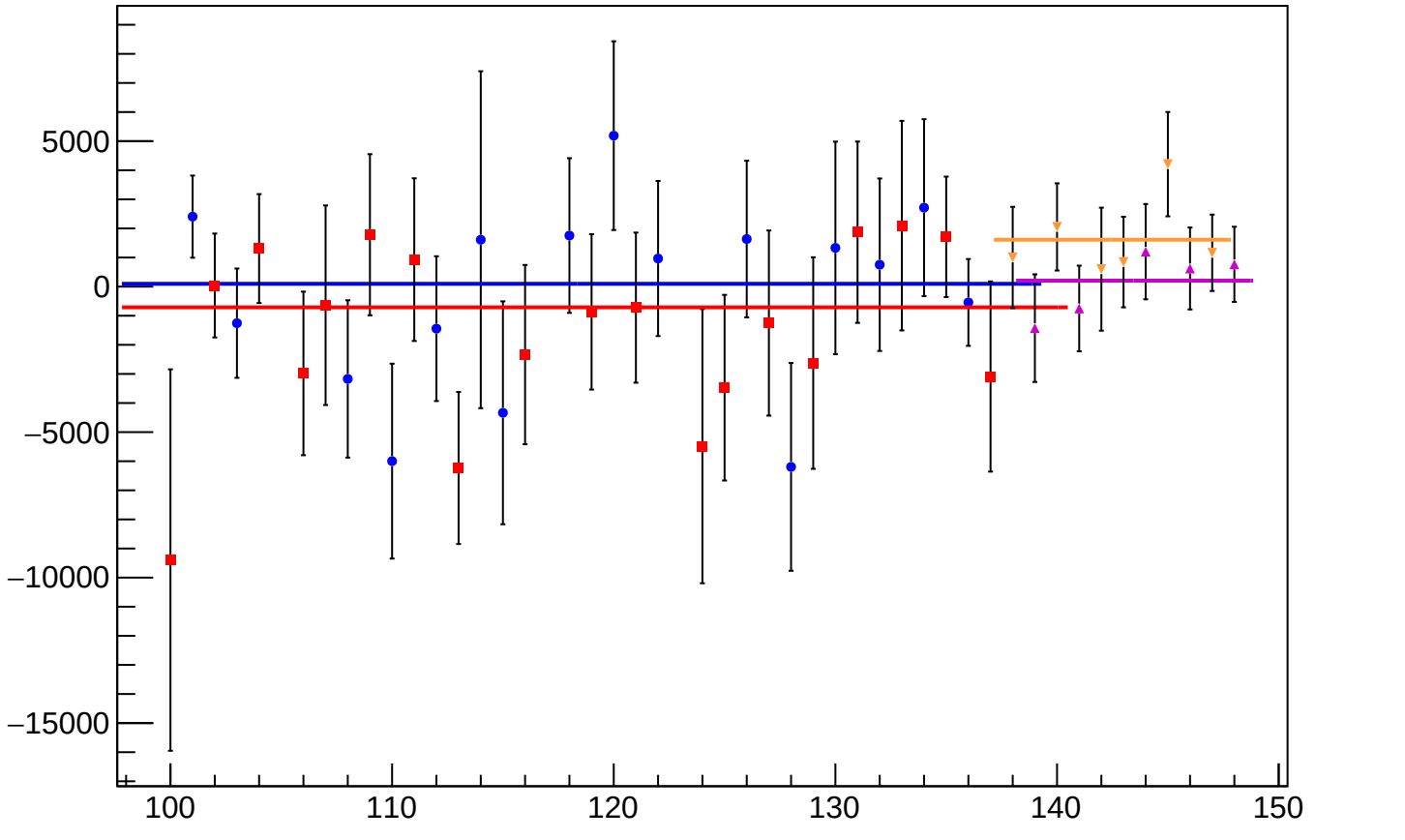
Left: 1103.739+/-0.262 χ^2/NDF: 2289.9/10

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1100.372+/-0.228 χ^2/NDF:14176.8/20

Out: 1105.217+/-0.225 χ^2/NDF:9637.9/24

All: 1102.827+/-0.160 χ^2/NDF: 24043.0/45



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1611.737+/-658.752 χ^2/NDF:2.9/5

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 205.570+/-669.524 χ^2/NDF:1.8/4

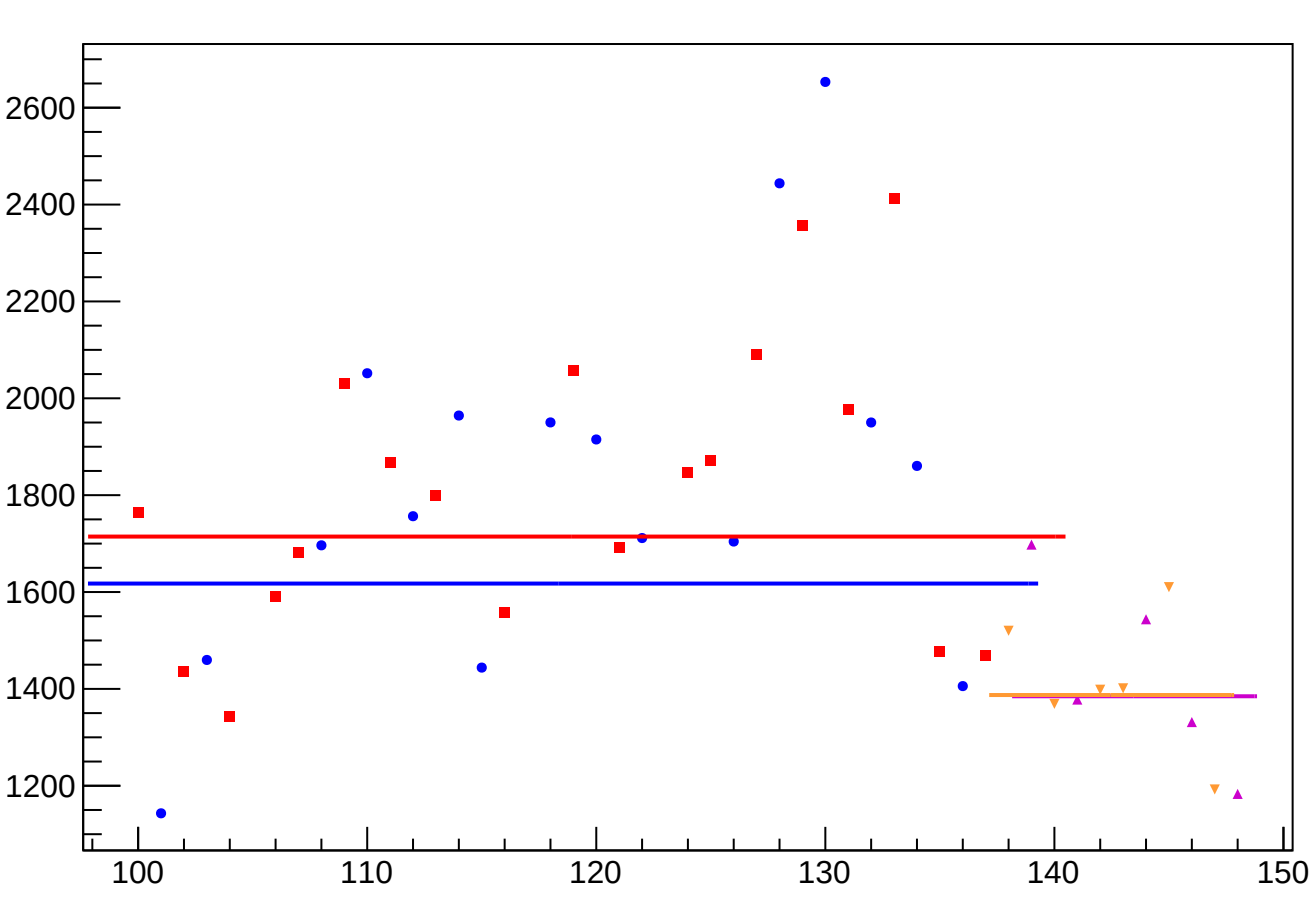
Left: 920.056+/-469.570 χ^2/NDF: 7.0/10

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 147.258+/-454.463 χ^2/NDF:19.1/20

Out: 412.307+/-458.142 χ^2/NDF:24.2/24

All: 278.714+/-322.647 χ^2/NDF: 43.5/45



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1387.342+/-0.466 χ^2/NDF:87167.2/5

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1384.781+/-0.473 χ^2/NDF:127826.4/4

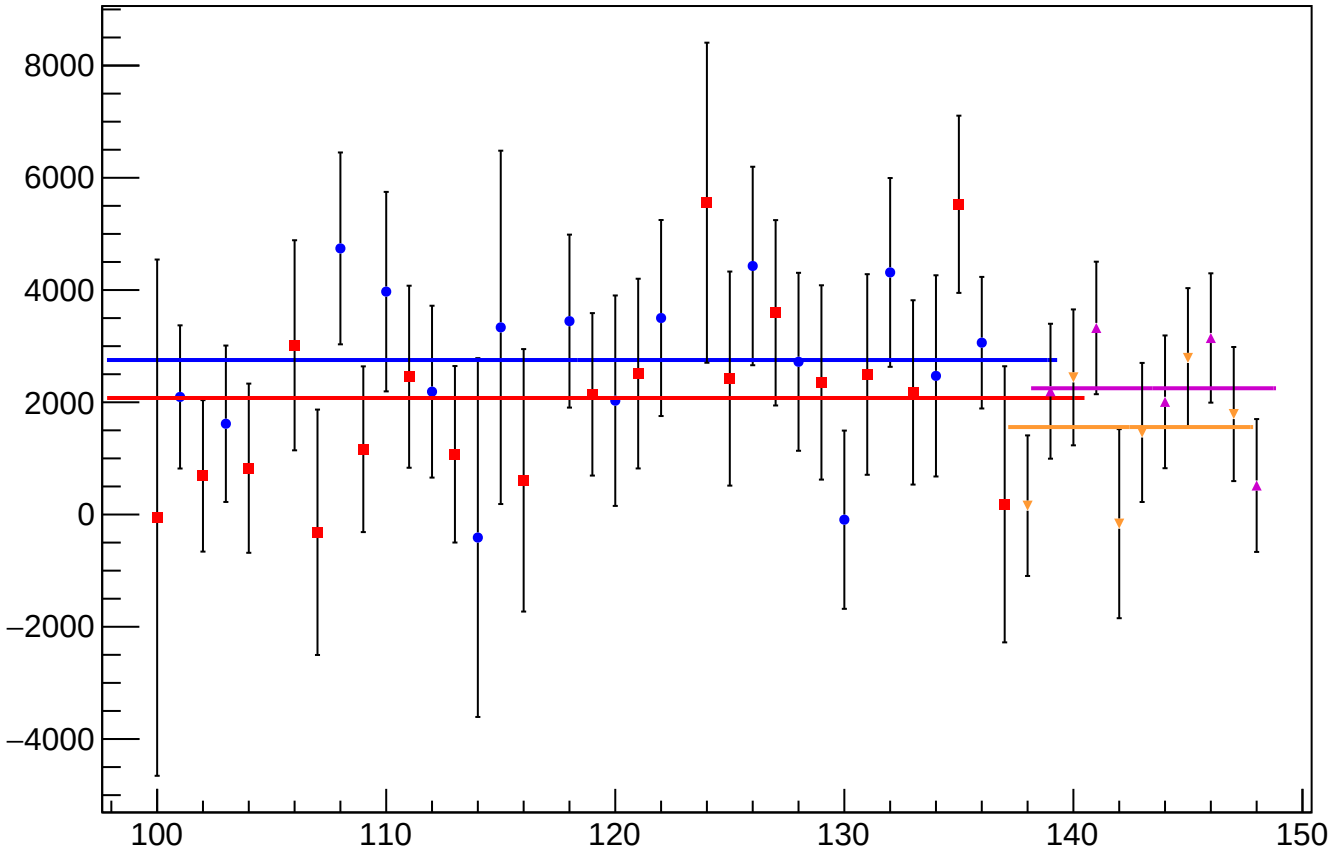
Left: 1386.082+/-0.332 χ^2/NDF: 215008.5/10

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1510.270+/-0.321 χ^2/NDF:949844.1/20

Out: 1556.265+/-0.324 χ^2/NDF:769585.4/24

All: 1533.082+/-0.228 χ^2/NDF: 1729589.9/45



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2249.871+/-527.692 χ^2/NDF:3.6/4

Left: 1900.428+/-371.108 χ^2/NDF: 8.3/10

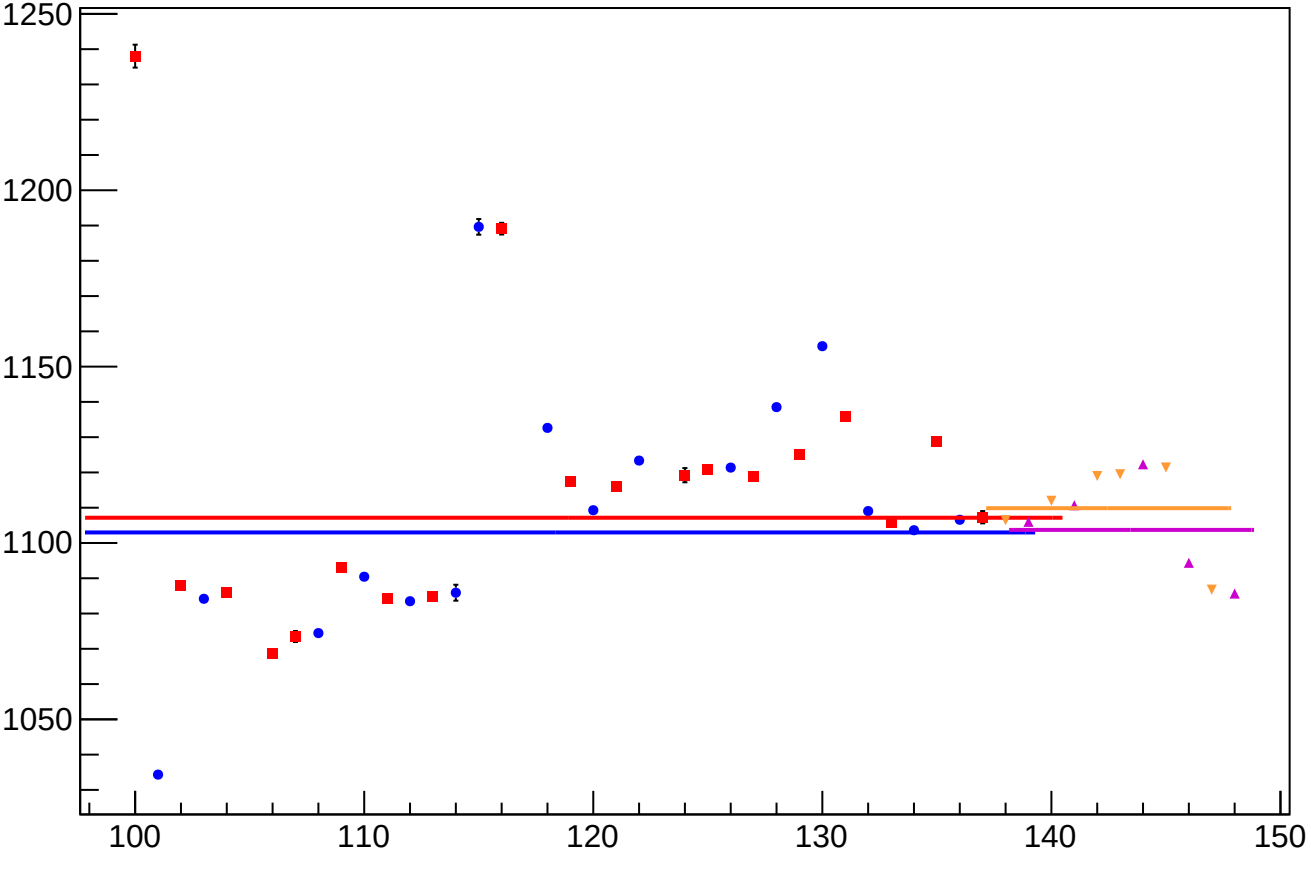
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2563.776+/-323.681 χ^2/NDF:13.7/20

Out: 1882.553+/-319.391 χ^2/NDF:17.0/24

All: 2218.619+/-227.345 χ^2/NDF: 32.9/45

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

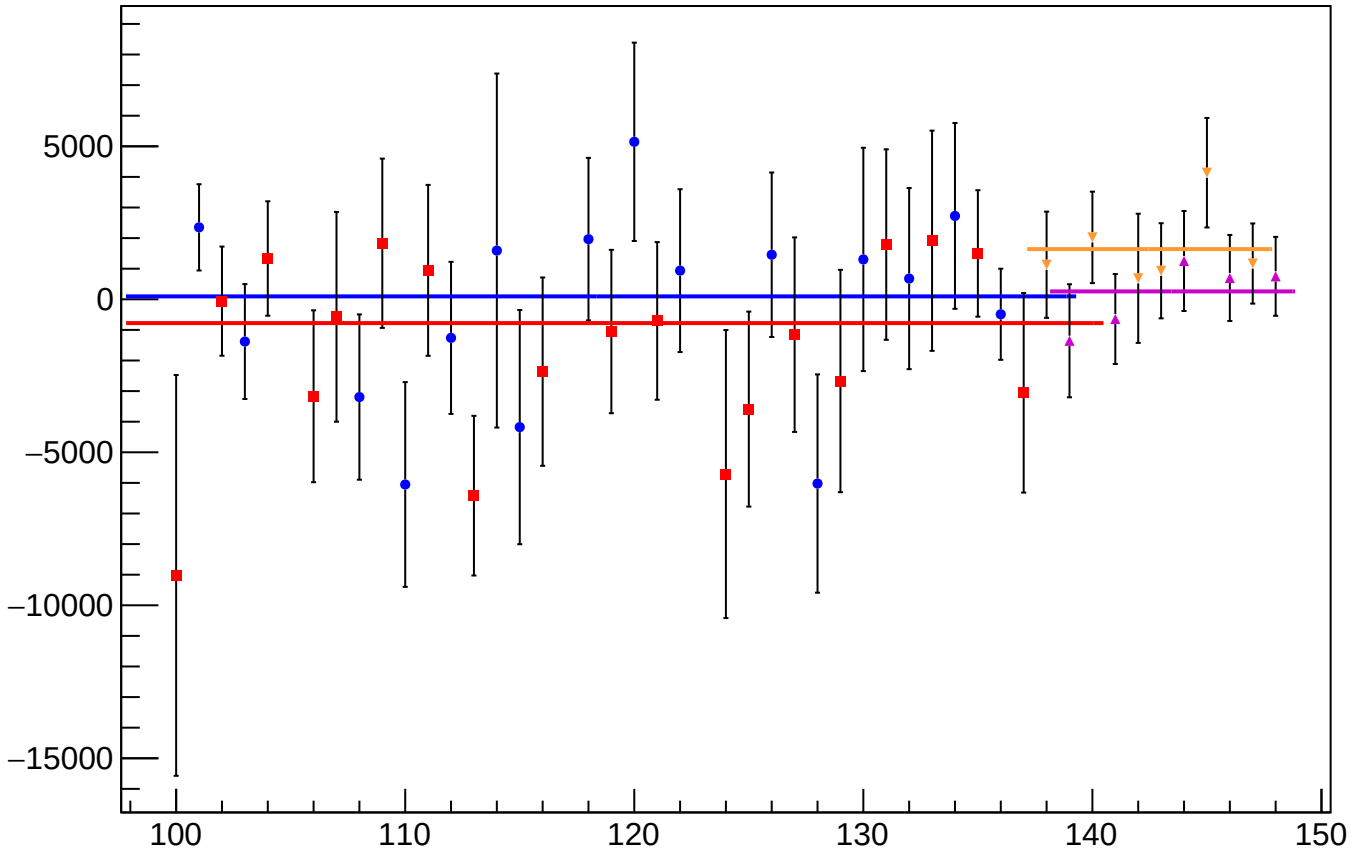
Left: 1106.822+/-0.262 χ^2/NDF: 2425.2/10

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.260+/-0.229 χ^2/NDF:14394.2/20

Out: 1108.173+/-0.226 χ^2/NDF:9836.7/24

All: 1105.749+/-0.161 χ^2/NDF: 24464.3/45



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 258.003+/-668.430 χ^2/NDF:1.8/4

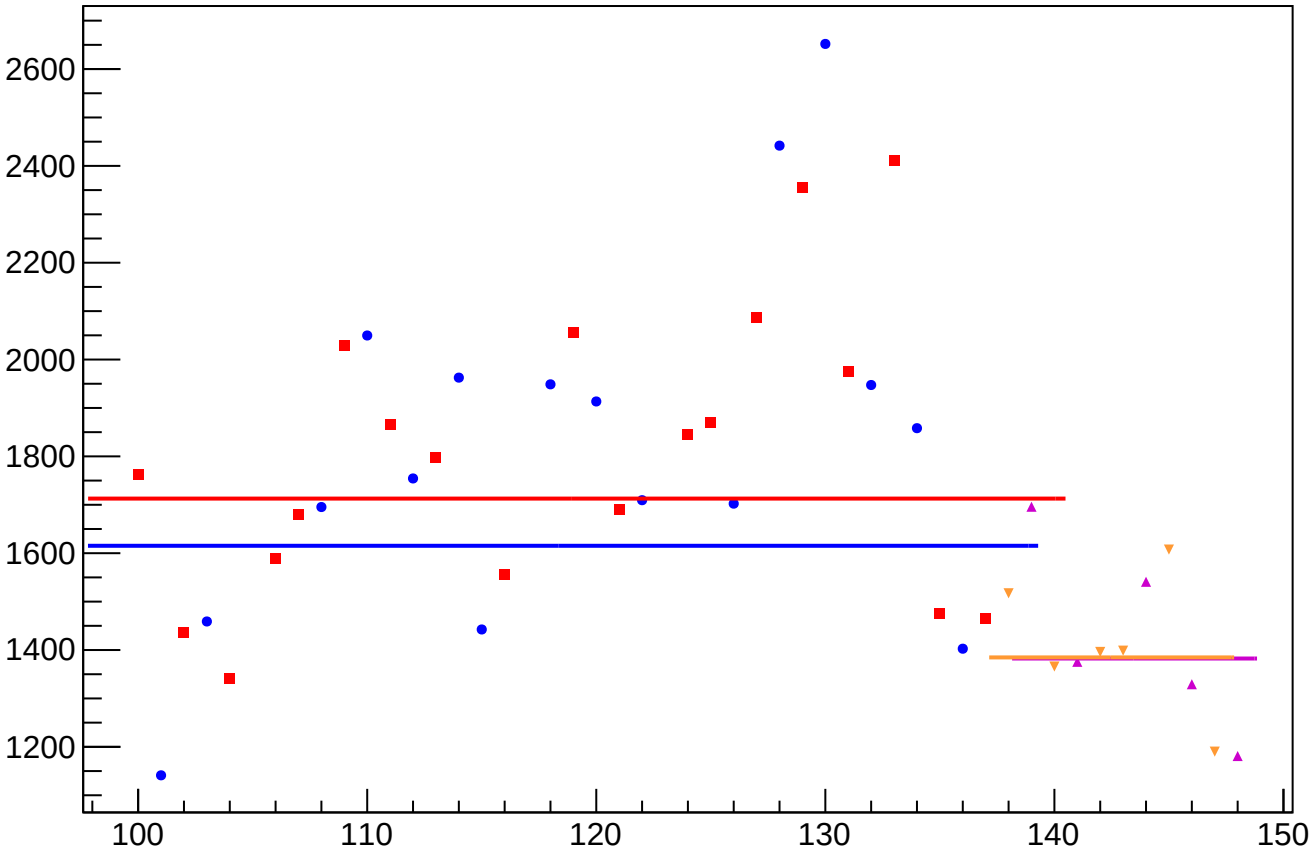
Left: 960.515+/-468.750 χ^2/NDF: 6.6/10

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 170.649+/-453.812 χ^2/NDF:18.7/20

Out: 393.263+/-457.500 χ^2/NDF:24.7/24

All: 281.055+/-322.190 χ^2/NDF: 43.5/45



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

Left: 1383.616+/-0.331 χ^2/NDF: 215458.4/10

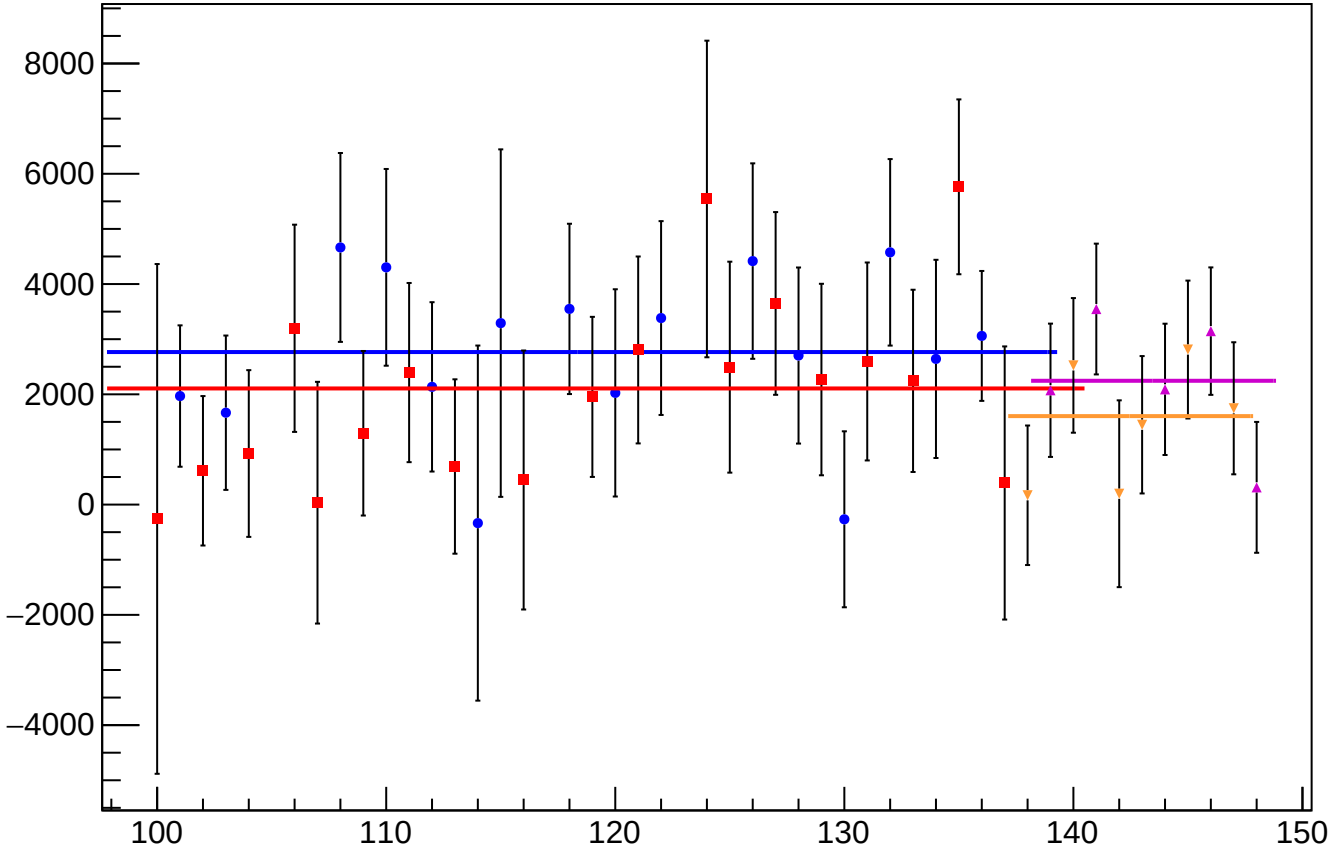
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1507.988+/-0.321 χ^2/NDF:952602.5/20

Out: 1553.973+/-0.324 χ^2/NDF:772222.1/24

All: 1530.794+/-0.228 χ^2/NDF: 1735009.4/45

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1604.647+/-525.219 χ^2/NDF:3.5/5

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2245.465+/-530.043 χ^2/NDF:4.5/4

Left: 1922.126+/-373.080 χ^2/NDF: 8.7/10

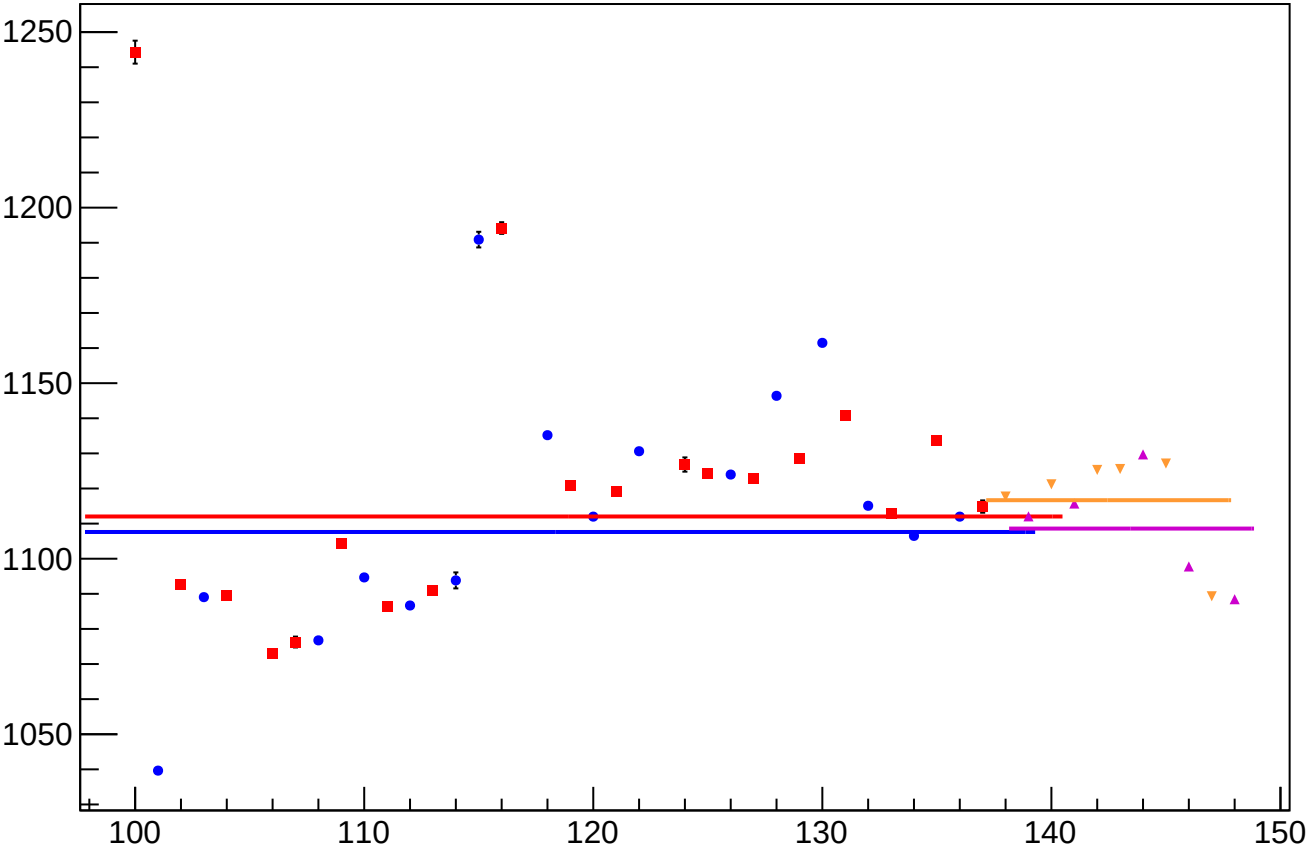
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2570.619+/-325.074 χ^2/NDF:15.4/20

Out: 1918.938+/-321.012 χ^2/NDF:17.4/24

All: 2240.682+/-228.412 χ^2/NDF: 34.9/45

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1116.668+/-0.371 χ^2/NDF:1366.5/5

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

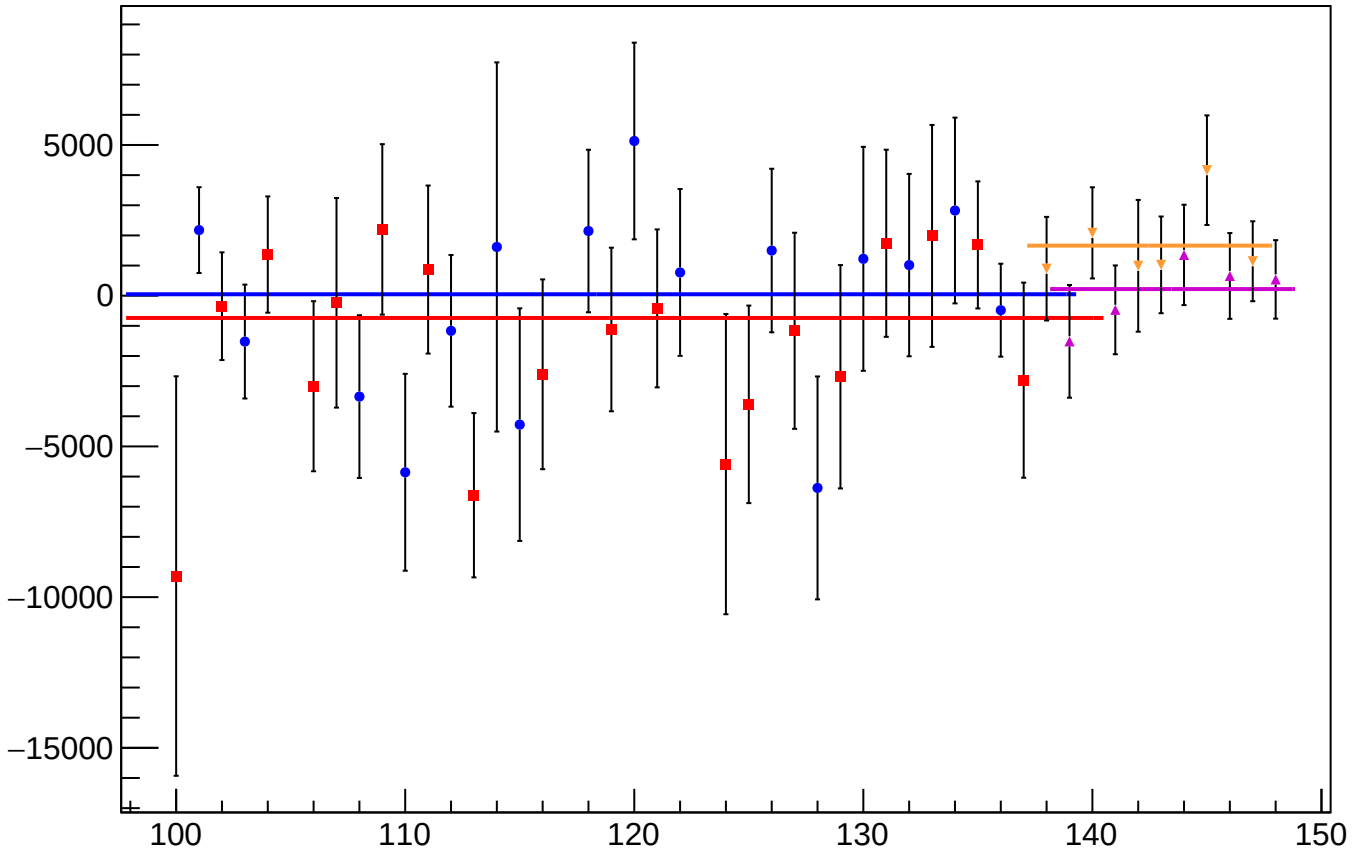
Left: 1112.664+/-0.264 χ^2/NDF: 3069.4/10

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1107.979+/-0.230 χ^2/NDF:14693.3/20

Out: 1113.762+/-0.227 χ^2/NDF:10117.7/24

All: 1110.907+/-0.162 χ^2/NDF: 25131.5/45



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1661.686+/-667.409 χ^2/NDF:2.6/5

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 219.815+/-675.565 χ^2/NDF:1.7/4

Left: 949.507+/-474.787 χ^2/NDF: 6.6/10

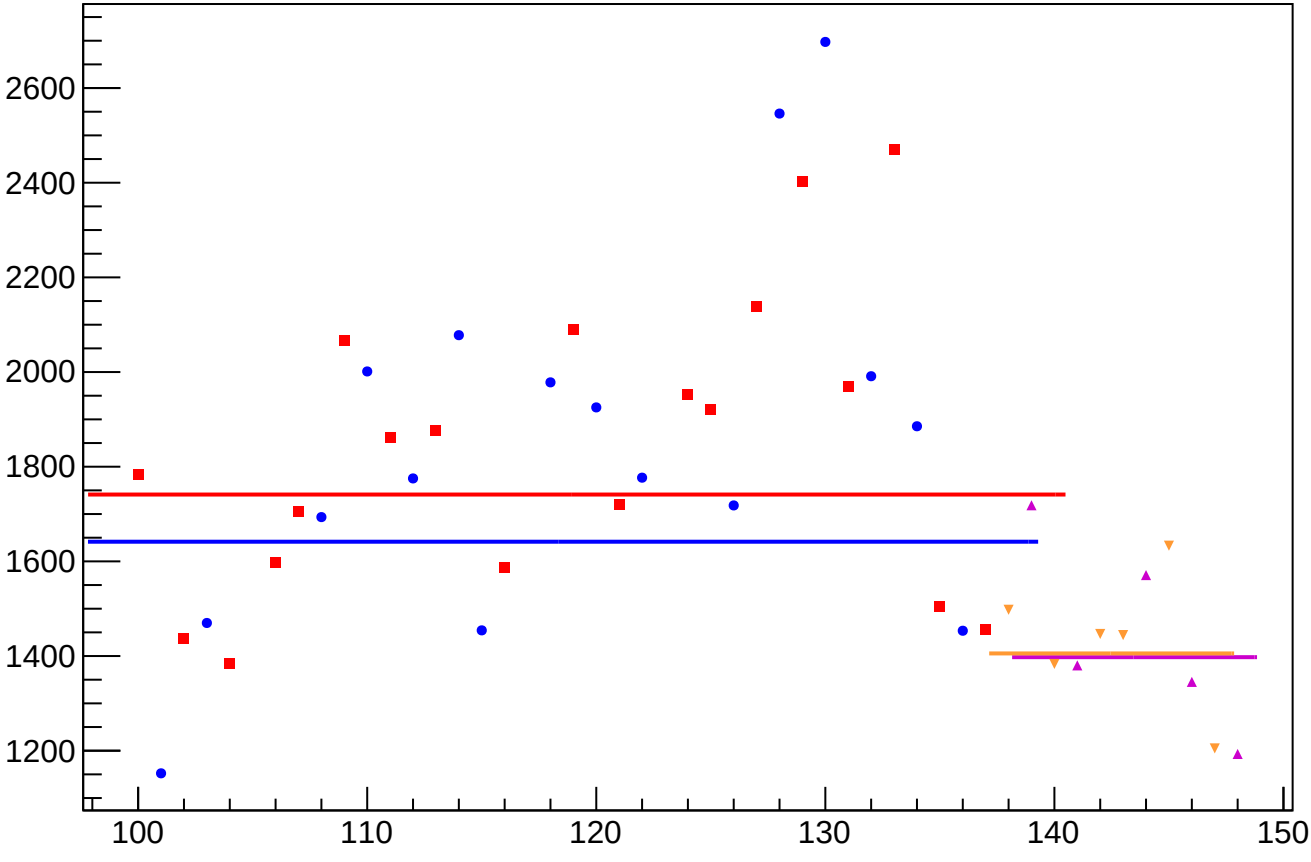
Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 127.557+/-459.984 χ^2/NDF:18.6/20

Out: 425.969+/-464.840 χ^2/NDF:24.2/24

All: 275.196+/-326.961 χ^2/NDF: 43.0/45

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1405.496+/-0.472 χ^2/NDF:85233.6/5

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1397.603+/-0.478 χ^2/NDF:132904.0/4

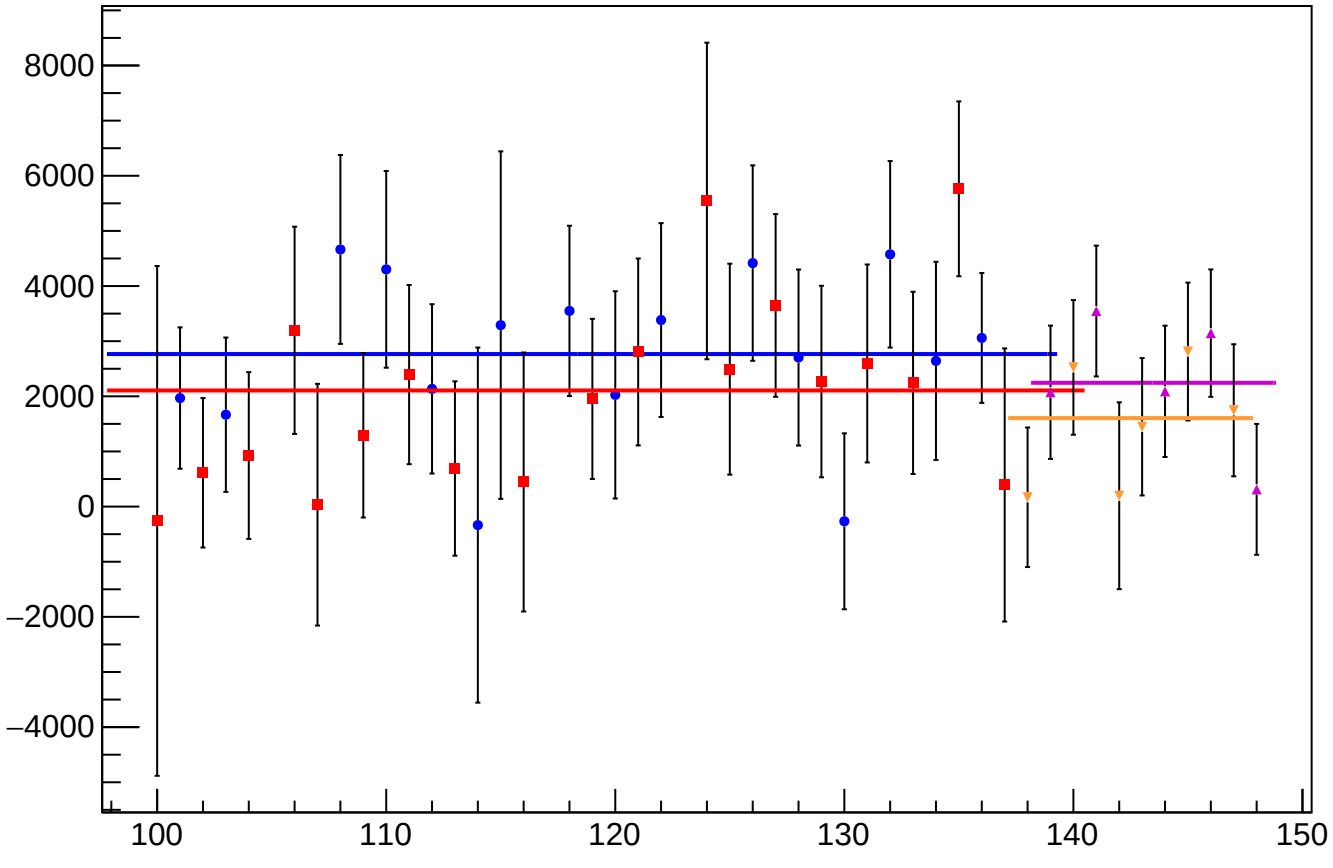
Left: 1401.597+/-0.336 χ^2/NDF: 218275.8/10

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1528.448+/-0.325 χ^2/NDF:974085.9/20

Out: 1578.353+/-0.329 χ^2/NDF:784119.7/24

All: 1553.138+/-0.231 χ^2/NDF: 1769853.0/45



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1604.649+/-525.219 χ^2/NDF:3.5/5

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2245.463+/-530.043 χ^2/NDF:4.5/4

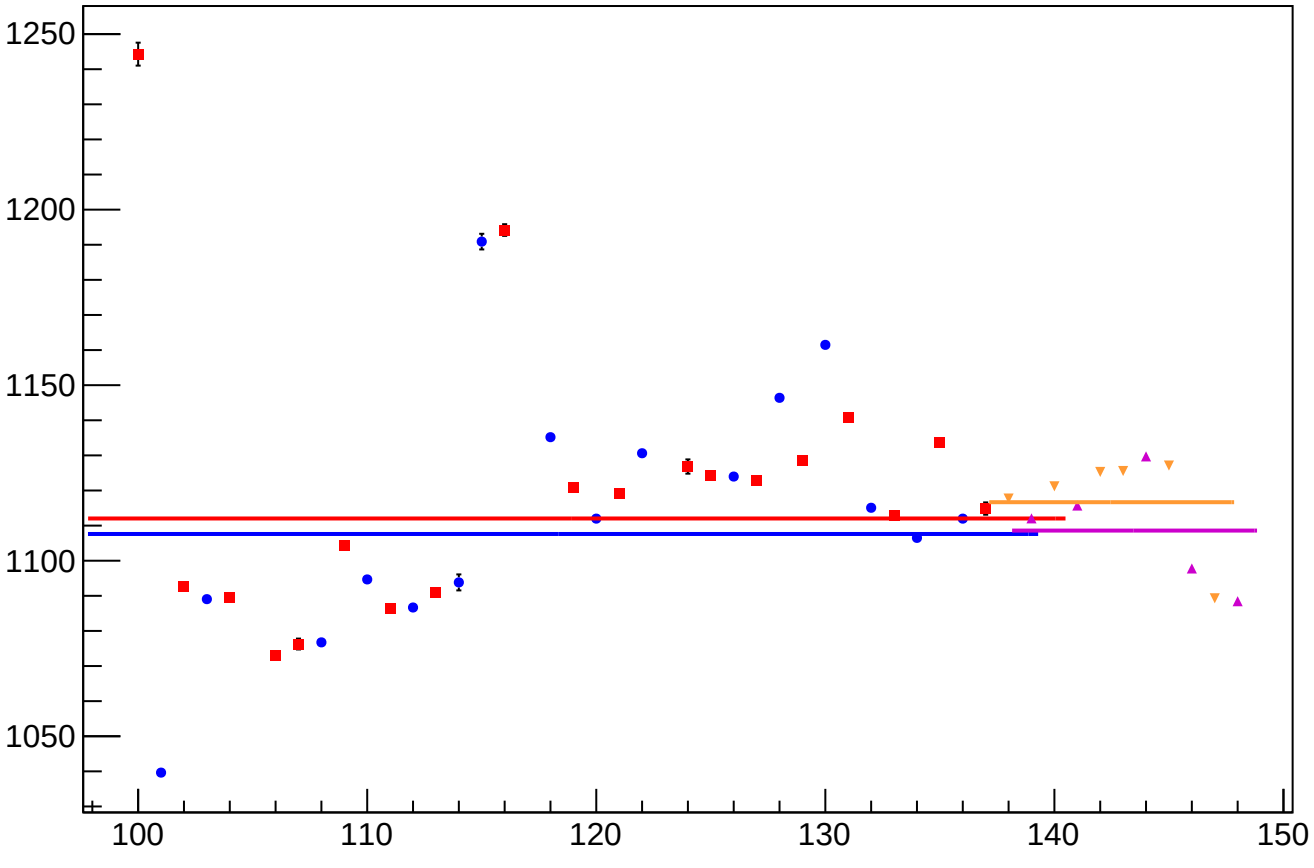
Left: 1922.127+/-373.080 χ^2/NDF: 8.7/10

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2570.618+/-325.074 χ^2/NDF:15.4/20

Out: 1918.940+/-321.012 χ^2/NDF:17.4/24

All: 2240.682+/-228.412 χ^2/NDF: 34.9/45



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1116.668+/-0.371 χ^2/NDF:1366.5/5

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

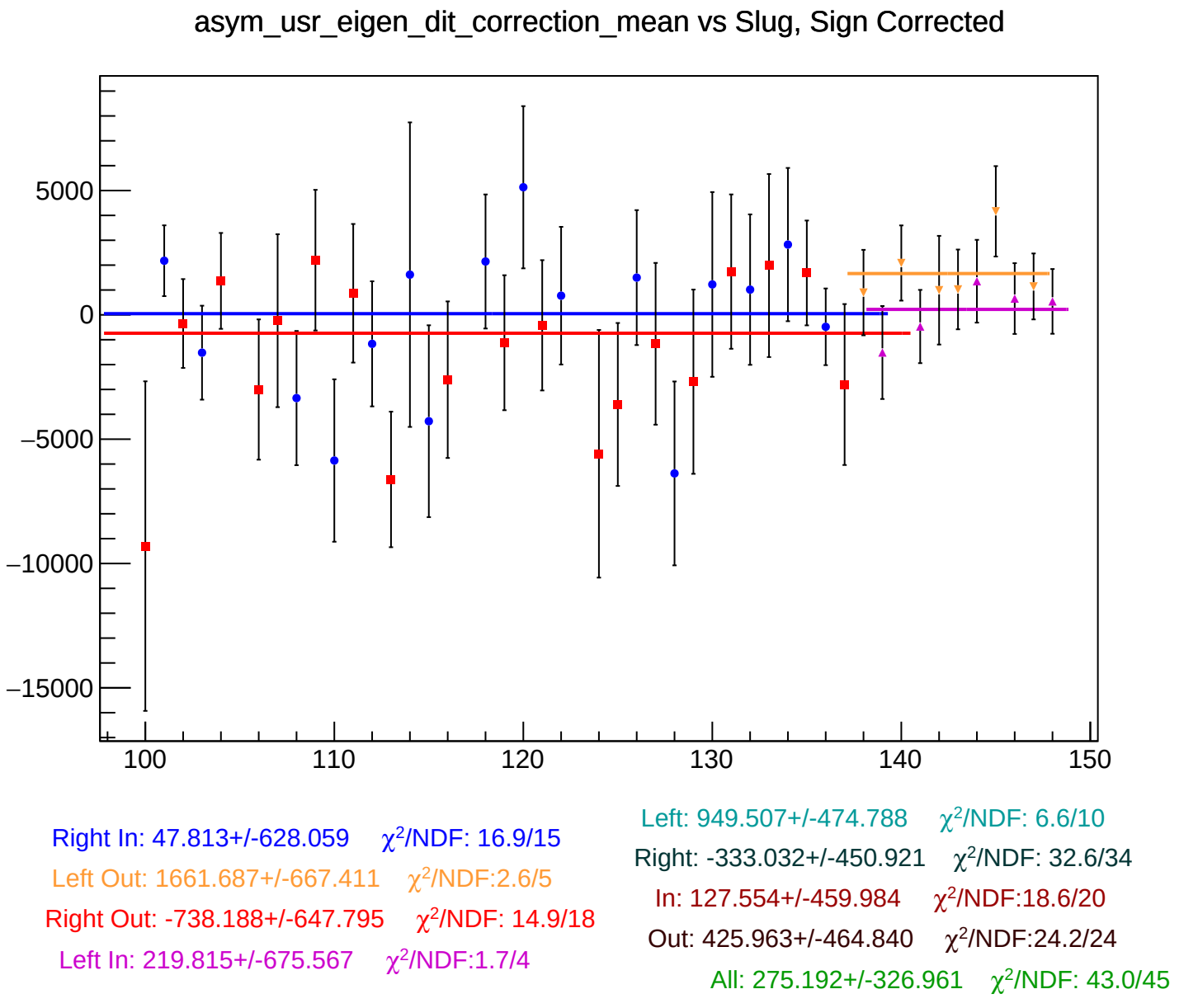
Left: 1112.664+/-0.264 χ^2/NDF: 3069.4/10

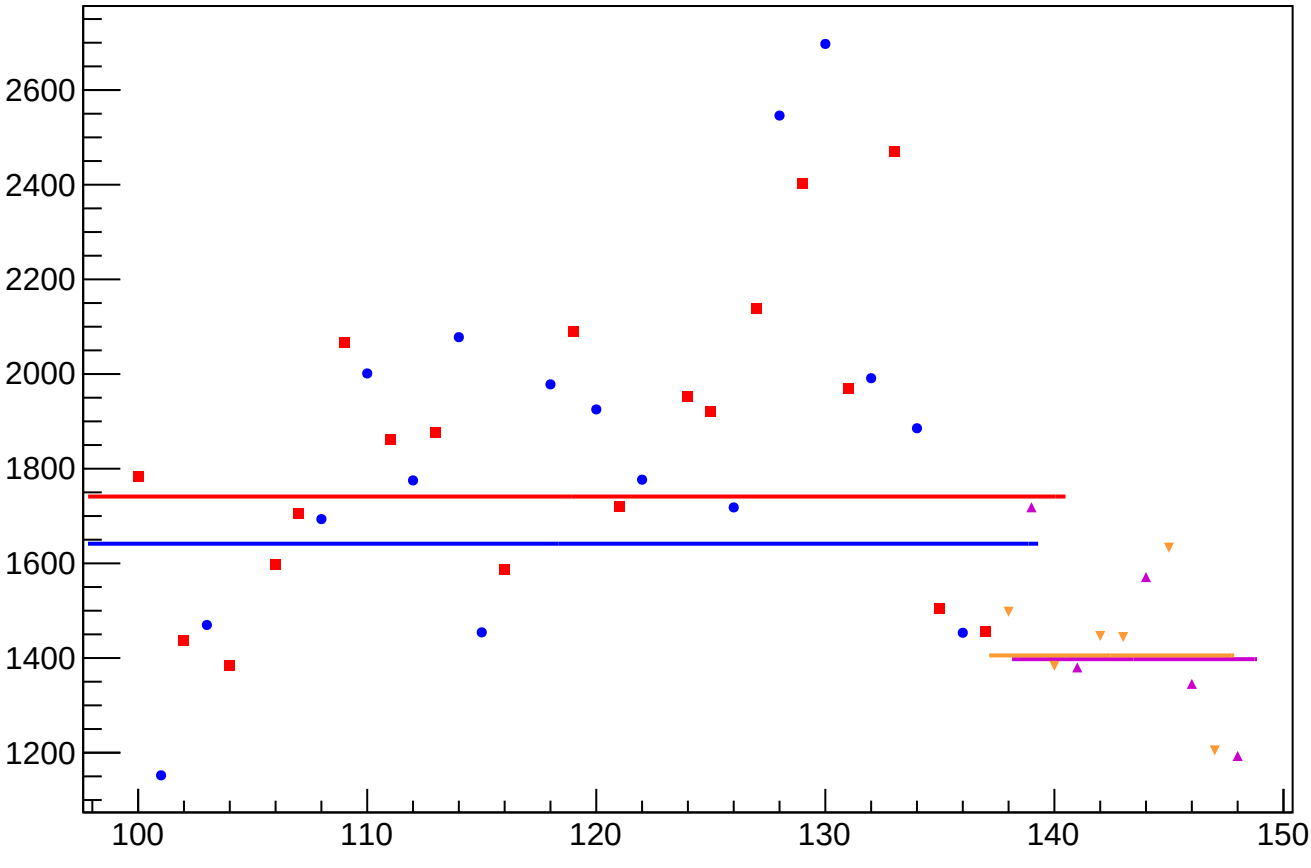
Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1107.979+/-0.230 χ^2/NDF:14693.2/20

Out: 1113.762+/-0.227 χ^2/NDF:10117.7/24

All: 1110.907+/-0.162 χ^2/NDF: 25131.4/45


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 47.813+/-628.059 χ²/NDF: 16.9/15
Left Out: 1661.687+/-667.411 χ²/NDF:2.6/5
Right Out: -738.188+/-647.795 χ²/NDF: 14.9/18
Left In: 219.815+/-675.567 χ²/NDF:1.7/4
Left: 949.507+/-474.788 χ²/NDF: 6.6/10
Right: -333.032+/-450.921 χ²/NDF: 32.6/34
In: 127.554+/-459.984 χ²/NDF:18.6/20
Out: 425.963+/-464.840 χ²/NDF:24.2/24
All: 275.192+/-326.961 χ²/NDF: 43.0/45



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1405.499+/-0.472 χ^2/NDF:85235.2/5

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1397.606+/-0.478 χ^2/NDF:132906.5/4

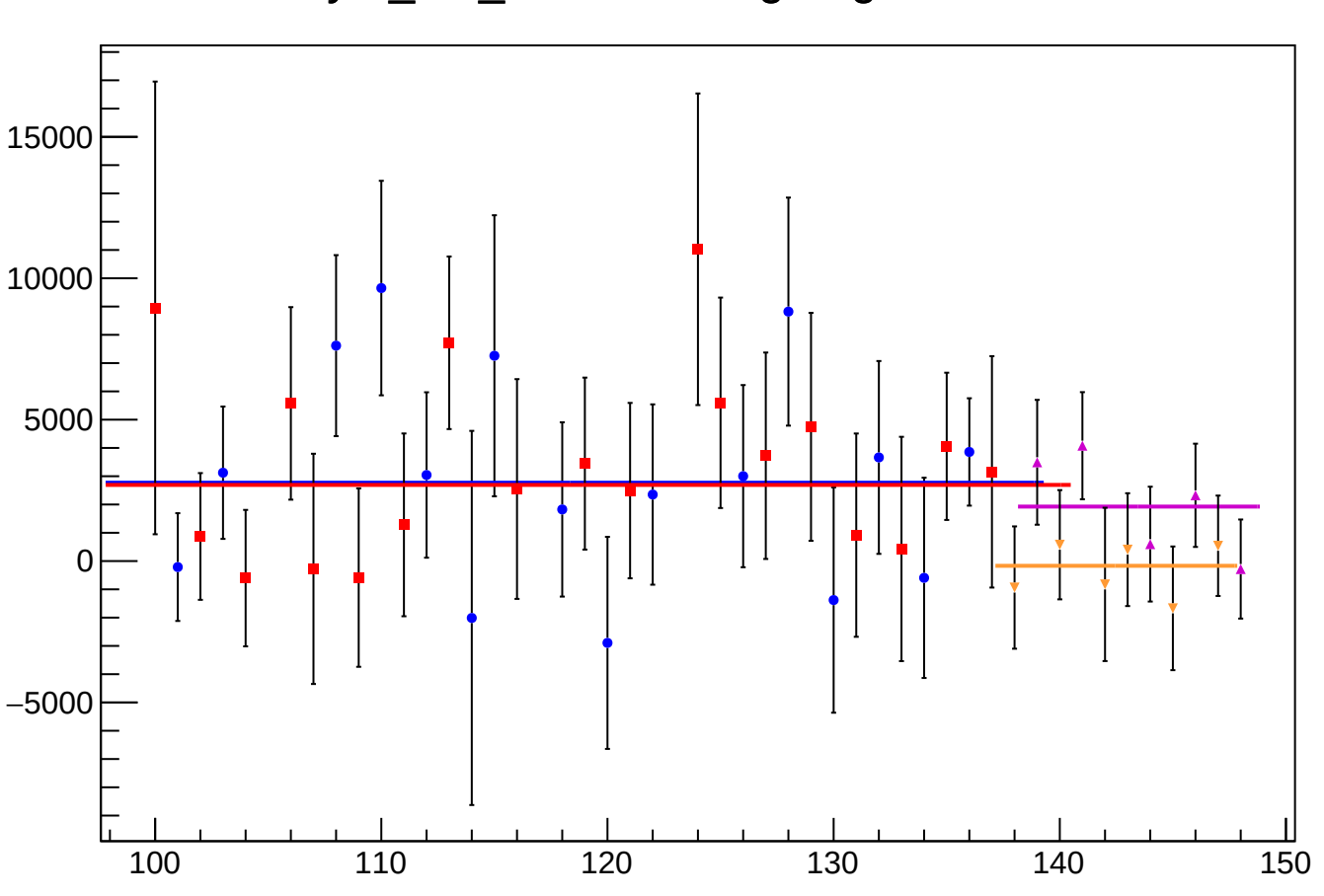
Left: 1401.600+/-0.336 χ^2/NDF: 218279.8/10

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1528.448+/-0.325 χ^2/NDF:974070.5/20

Out: 1578.355+/-0.329 χ^2/NDF:784101.9/24

All: 1553.139+/-0.231 χ^2/NDF: 1769820.2/45



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -167.937+/-846.431 χ^2/NDF:1.0/5

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1926.366+/-859.775 χ^2/NDF:3.9/4

Left: 862.836+/-603.180 χ^2/NDF: 7.9/10

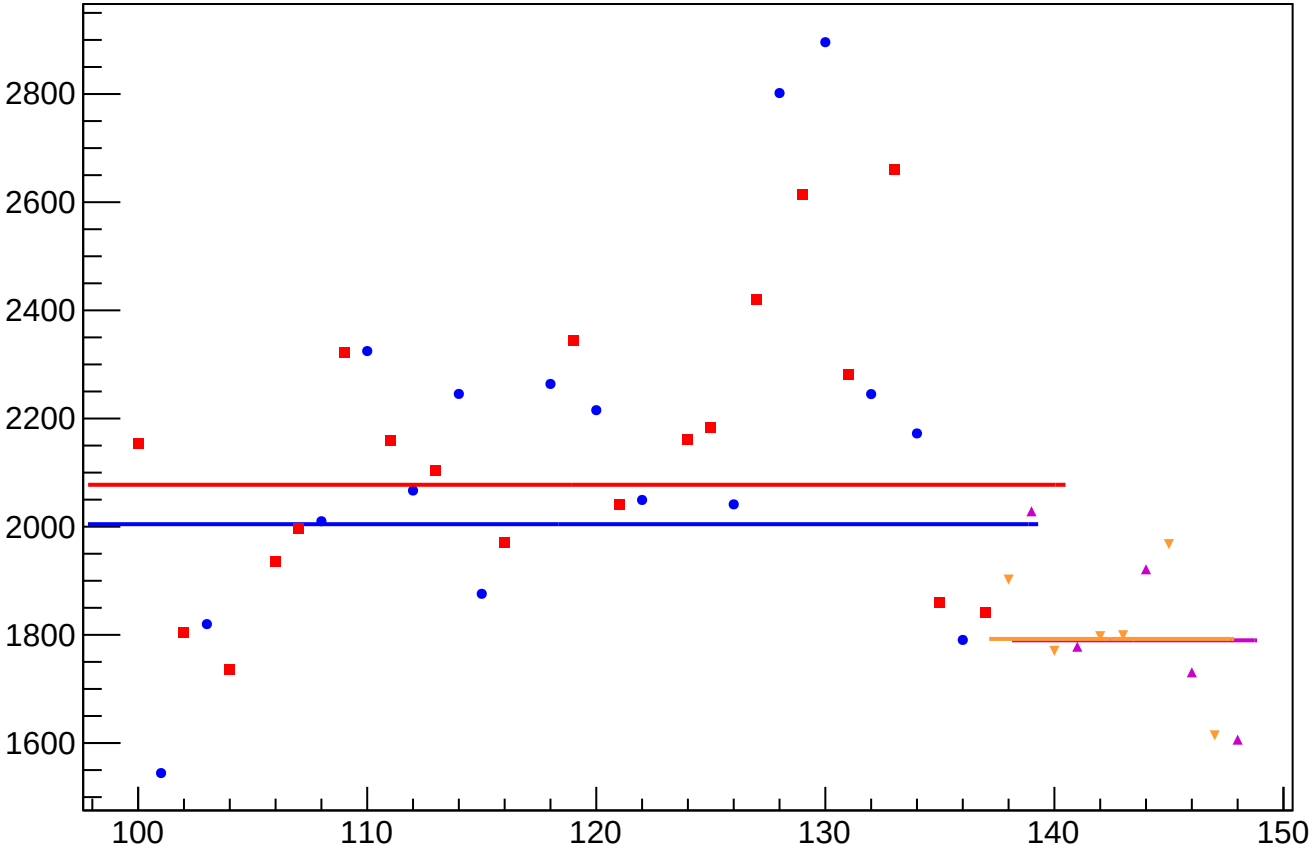
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2401.508+/-568.206 χ^2/NDF:20.8/20

Out: 1405.135+/-567.855 χ^2/NDF:19.9/24

All: 1903.014+/-401.658 χ^2/NDF: 42.2/45

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1792.479+/-0.599 χ^2/NDF:38460.1/5

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1789.890+/-0.608 χ^2/NDF:55891.1/4

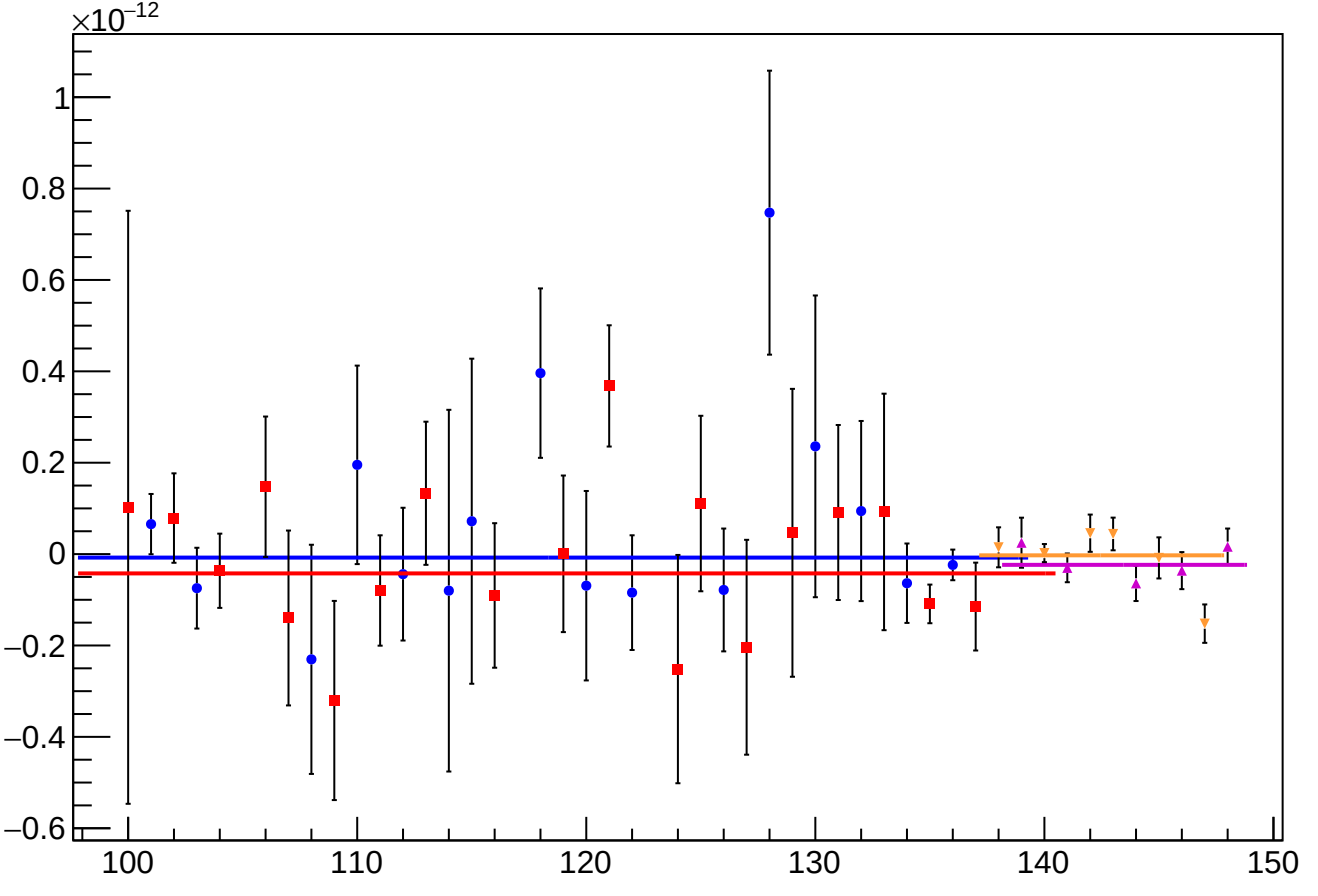
Left: 1791.205+/-0.427 χ^2/NDF: 94360.4/10

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1910.843+/-0.402 χ^2/NDF:513733.3/20

Out: 1949.217+/-0.402 χ^2/NDF:393651.0/24

All: 1930.042+/-0.284 χ^2/NDF: 911948.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/4

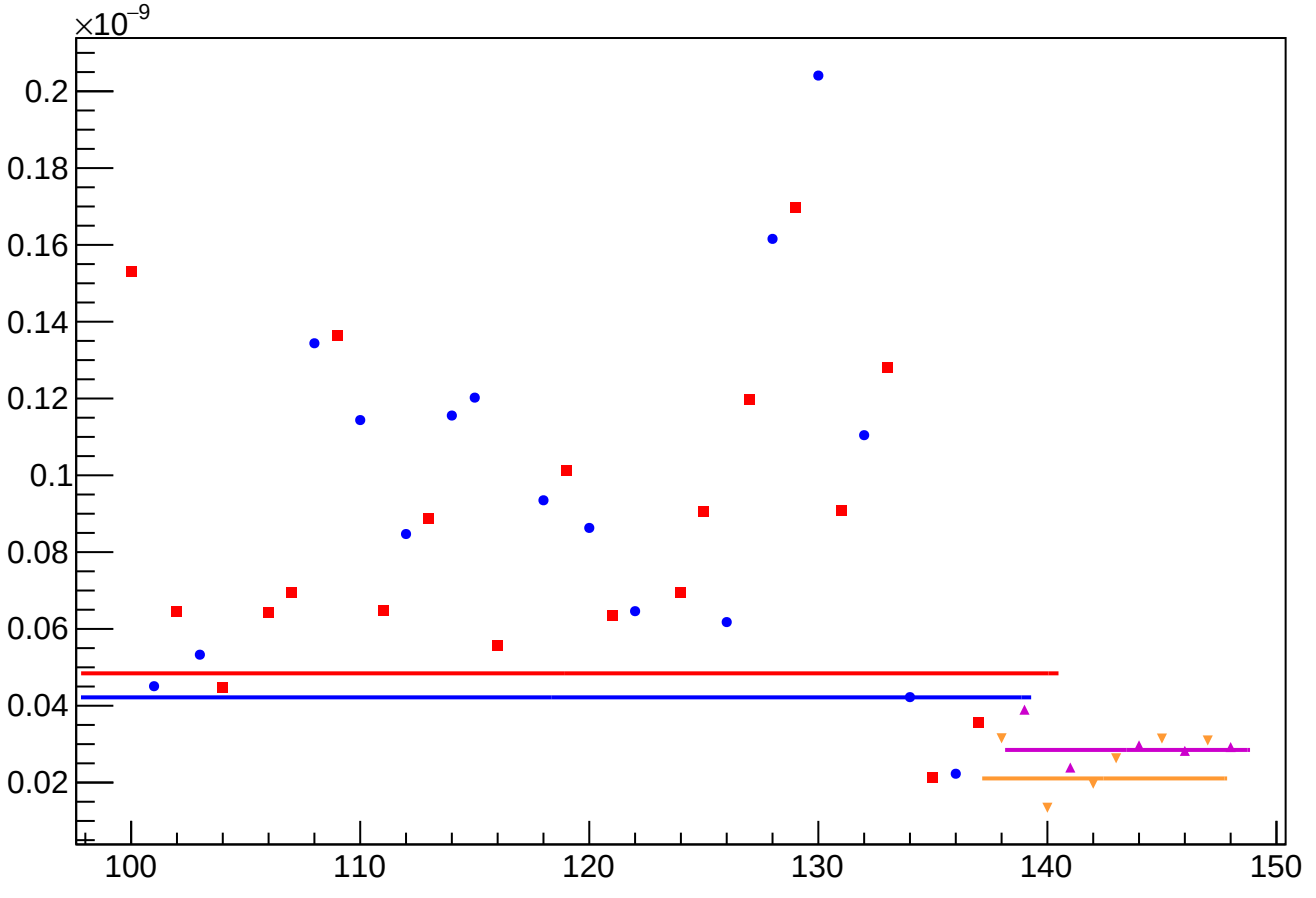
Left: -0.000+/-0.000 χ^2/NDF: 19.9/10

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:19.8/20

Out: -0.000+/-0.000 χ^2/NDF:39.5/24

All: -0.000+/-0.000 χ^2/NDF: 59.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:673726.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:118390.7/4

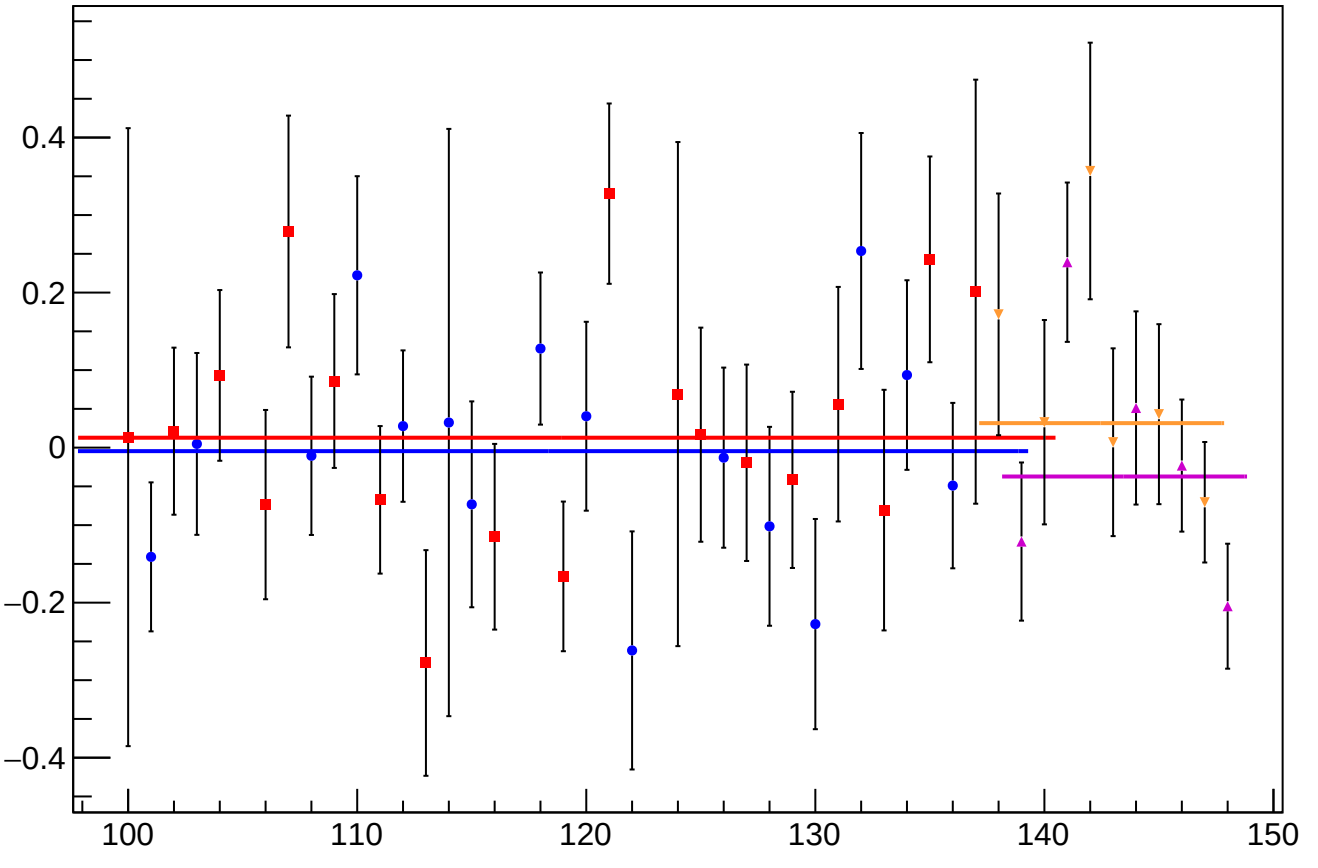
Left: 0.000+/-0.000 χ^2/NDF: 1017621.0/10

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:3469756.5/20

Out: 0.000+/-0.000 χ^2/NDF:4922360.6/24

All: 0.000+/-0.000 χ^2/NDF: 8648270.9/45



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

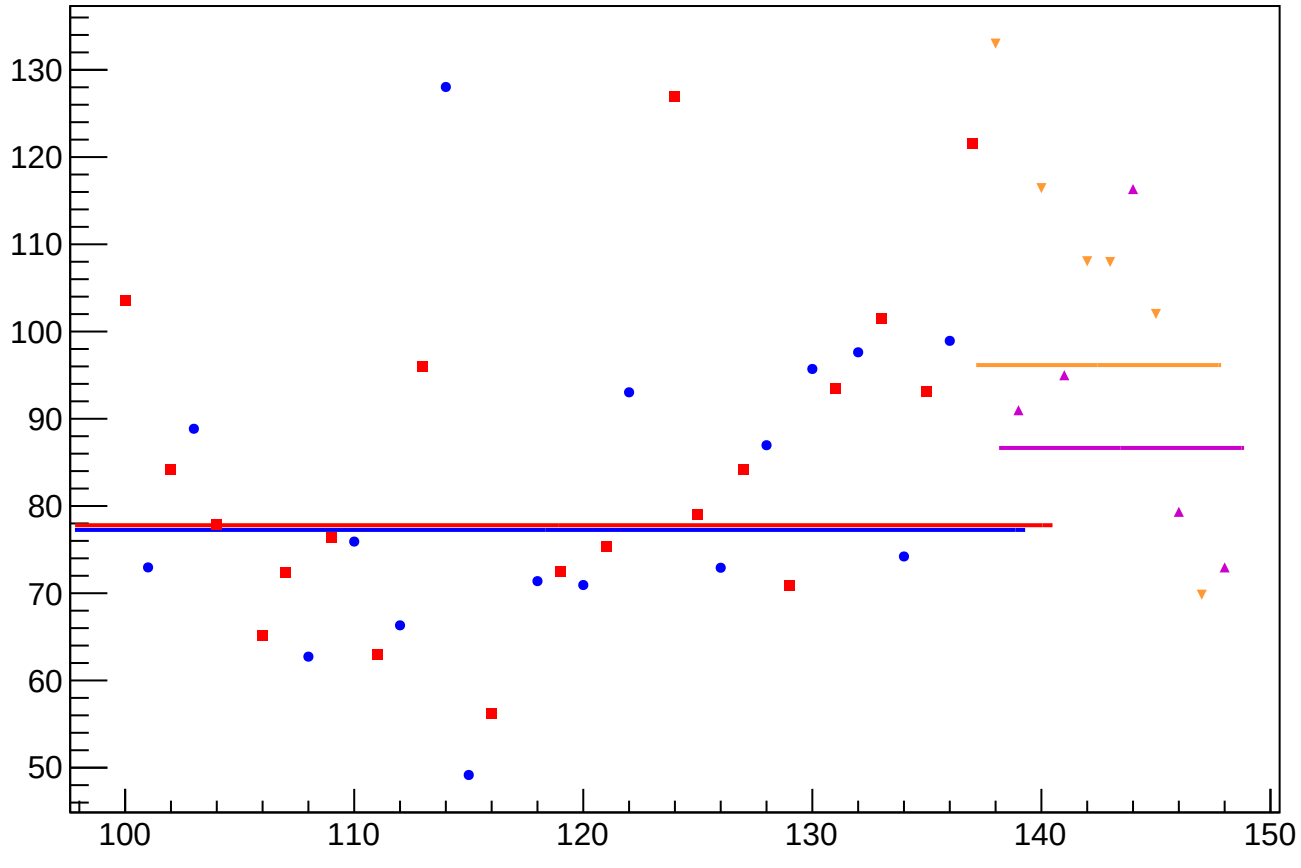
Left: -0.006+/-0.032 χ^2/NDF: 20.4/10

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.001+/-0.018 χ^2/NDF: 63.4/45



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 96.155+/-0.034 χ^2/NDF:423014.3/5

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

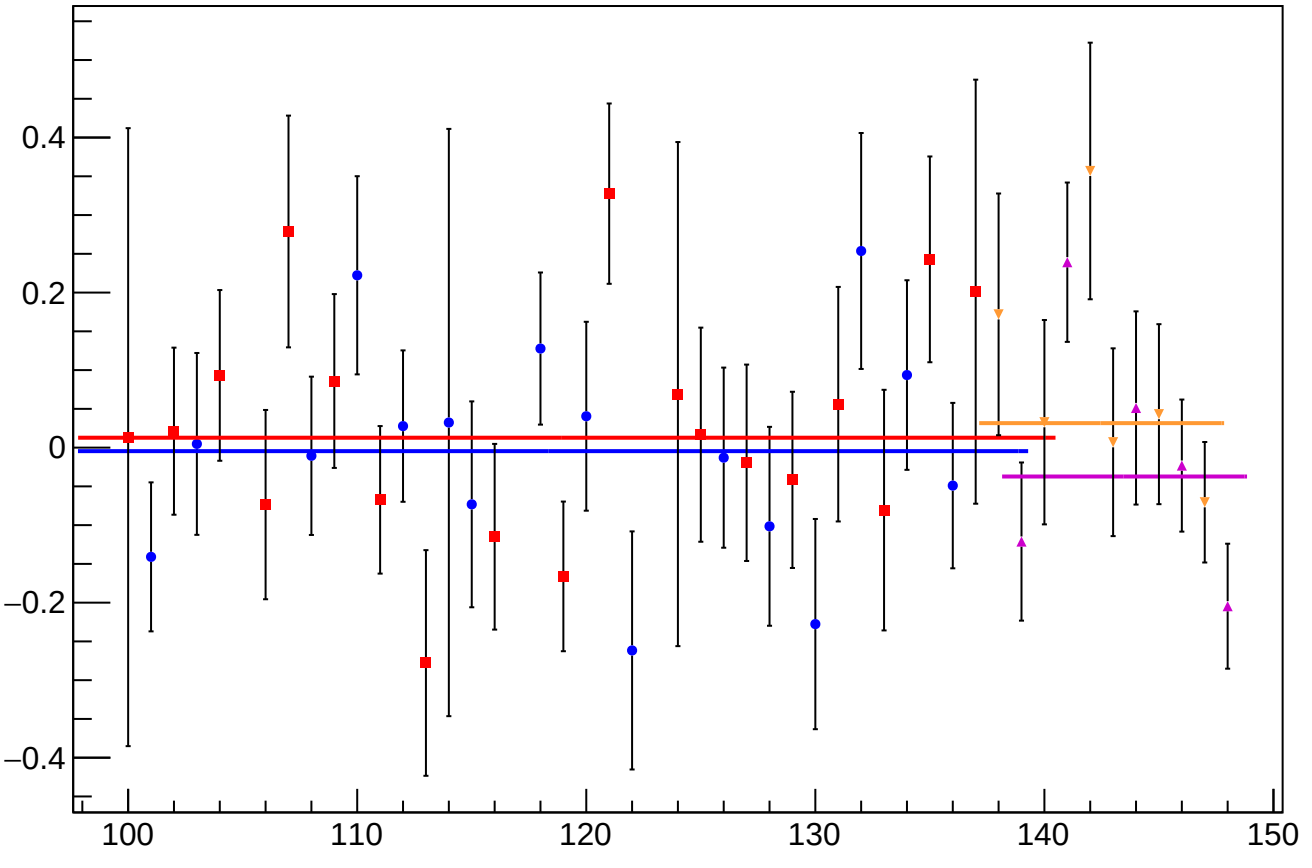
Left: 90.907+/-0.022 χ^2/NDF: 669867.3/10

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.365+/-0.017 χ^2/NDF:686592.0/20

Out: 82.962+/-0.018 χ^2/NDF:1034163.4/24

All: 81.631+/-0.012 χ^2/NDF: 1731636.8/45



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

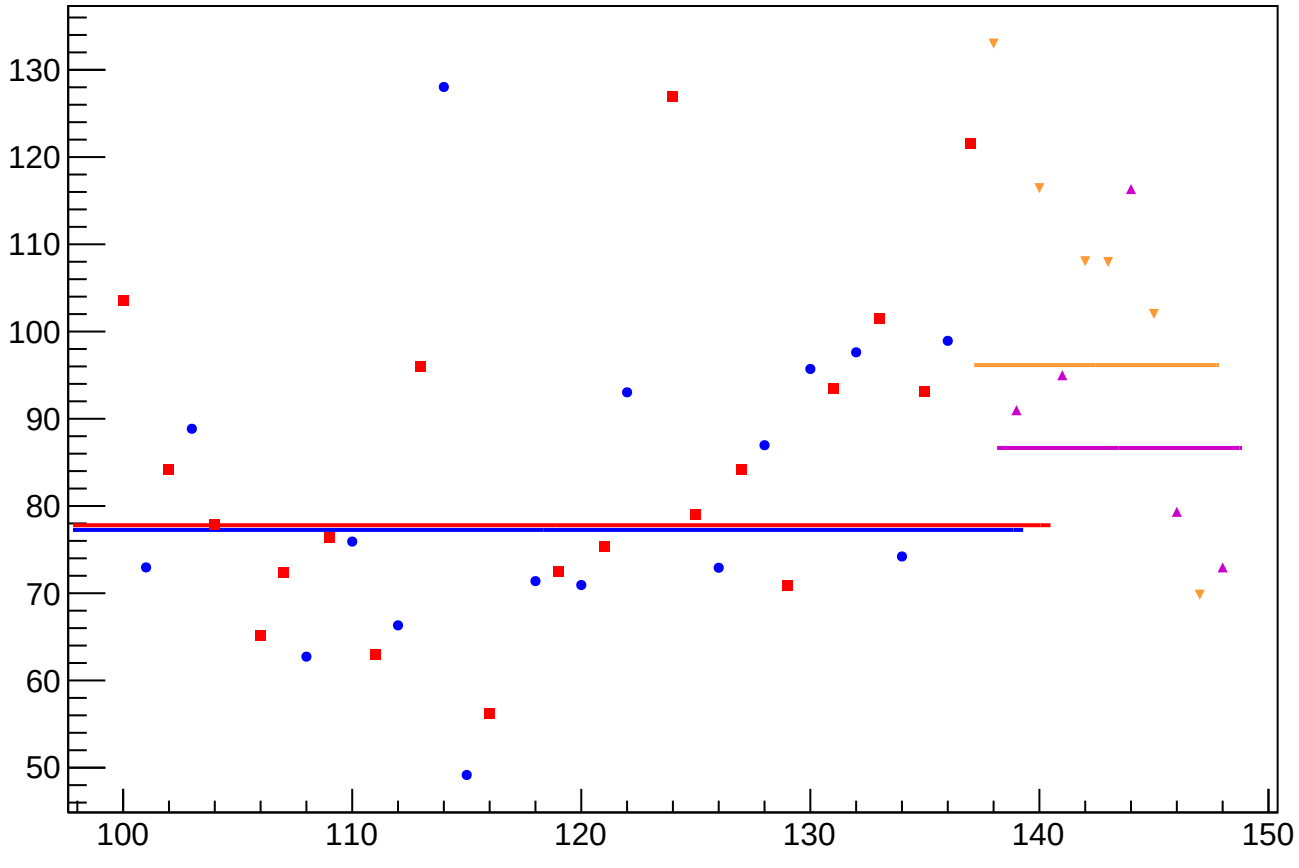
Left: -0.006+/-0.032 χ^2/NDF: 20.4/10

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.001+/-0.018 χ^2/NDF: 63.4/45



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 96.155+/-0.034 χ^2/NDF:423014.3/5

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

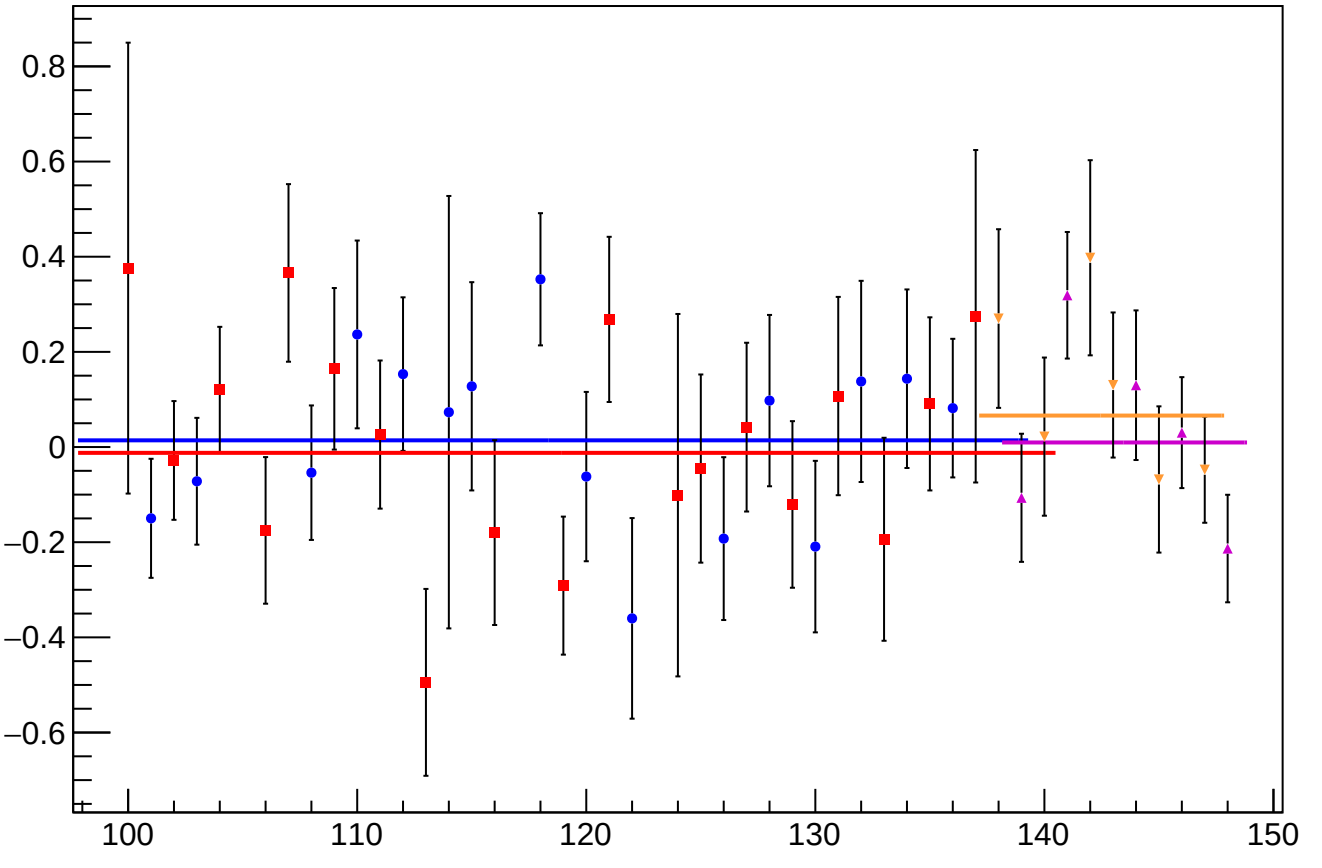
Left: 90.907+/-0.022 χ^2/NDF: 669867.3/10

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.365+/-0.017 χ^2/NDF:686592.0/20

Out: 82.962+/-0.018 χ^2/NDF:1034163.4/24

All: 81.631+/-0.012 χ^2/NDF: 1731636.8/45



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.010+/-0.057 χ^2/NDF:10.7/4

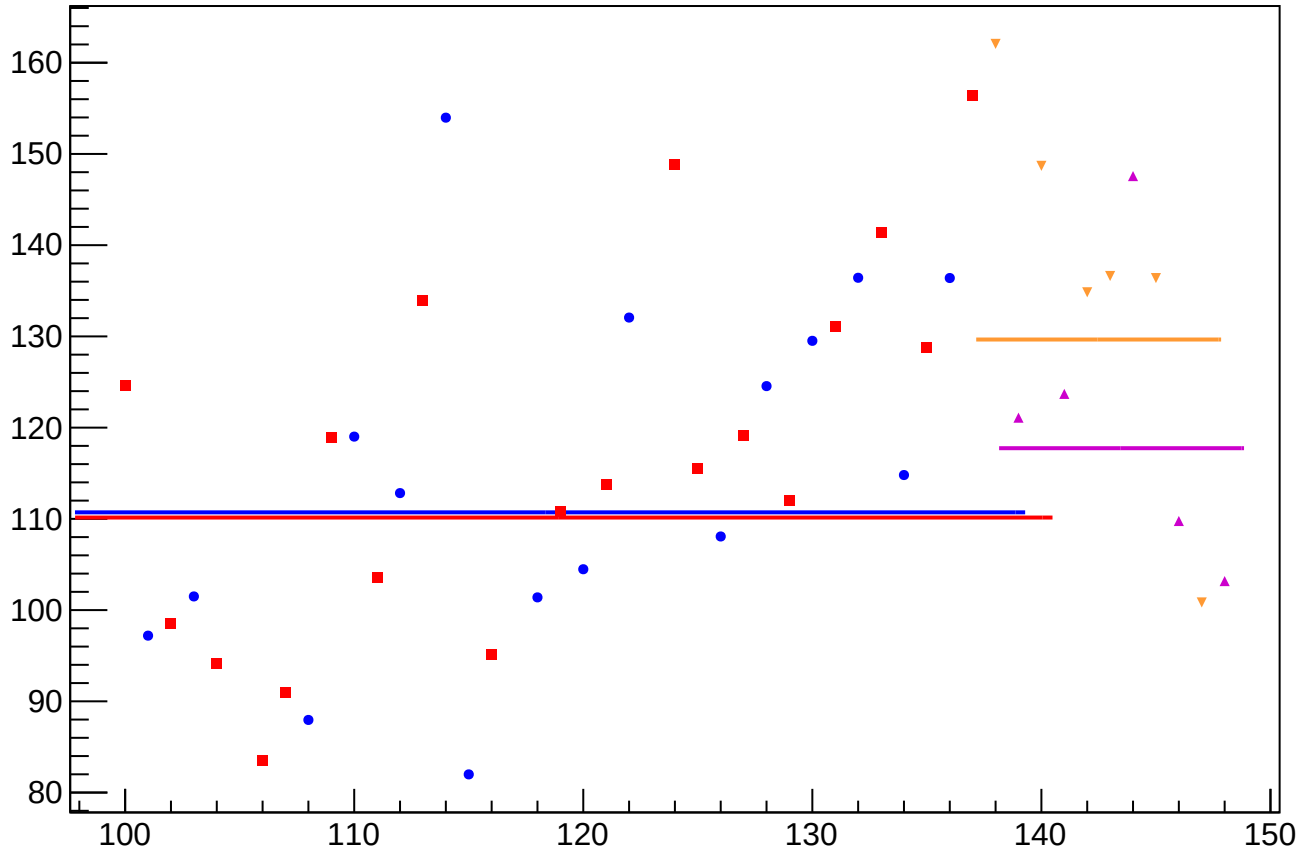
Left: 0.035+/-0.042 χ^2/NDF: 17.0/10

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.013+/-0.034 χ^2/NDF:28.8/20

Out: 0.011+/-0.035 χ^2/NDF:30.7/24

All: 0.012+/-0.024 χ^2/NDF: 59.5/45



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 129.659+/-0.044 χ^2/NDF:228655.8/5

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 117.746+/-0.041 χ^2/NDF:119828.2/4

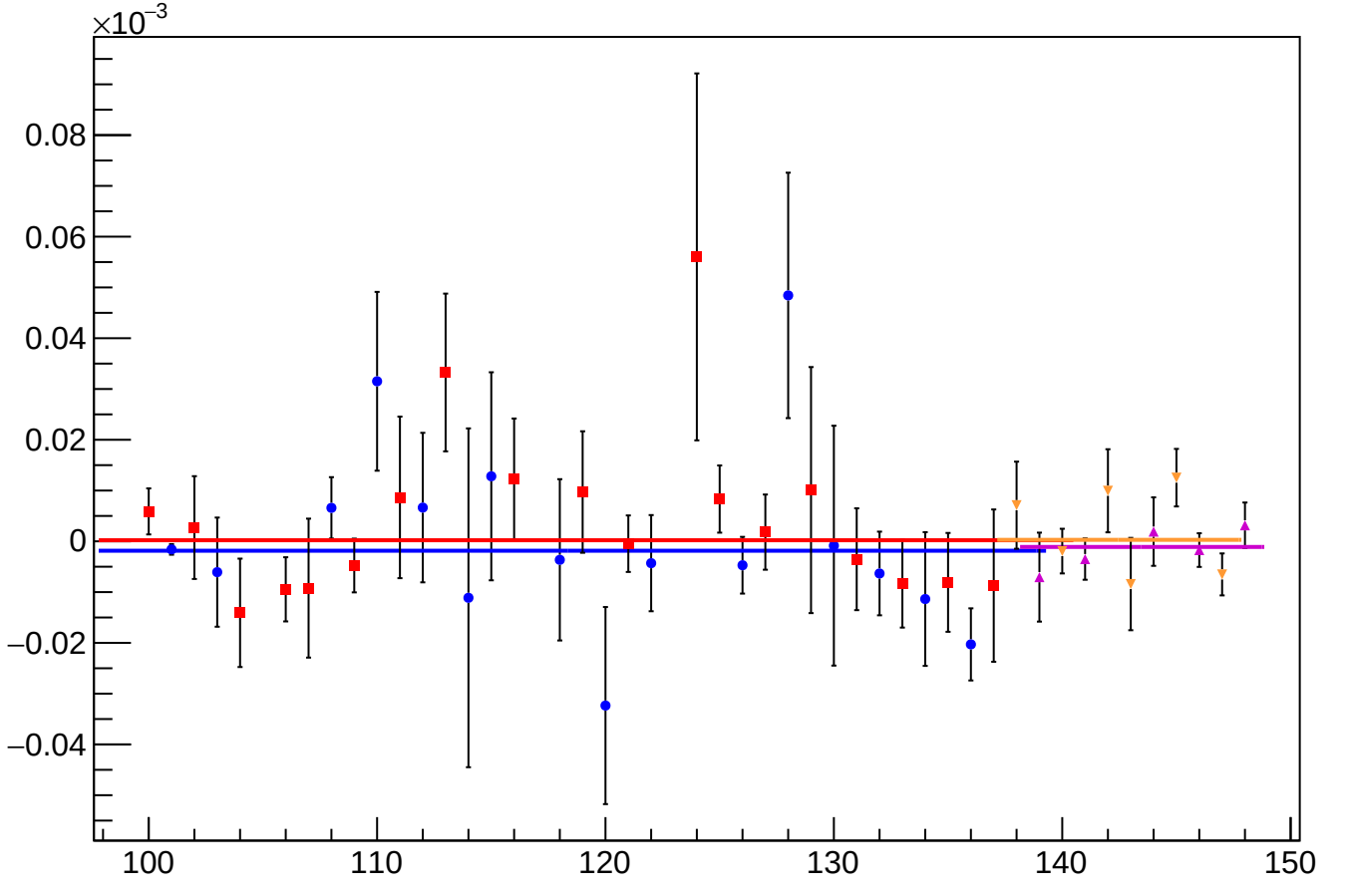
Left: 123.169+/-0.030 χ^2/NDF: 387769.1/10

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 113.189+/-0.024 χ^2/NDF:439281.0/20

Out: 116.047+/-0.024 χ^2/NDF:690362.3/24

All: 114.599+/-0.017 χ^2/NDF: 1136599.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

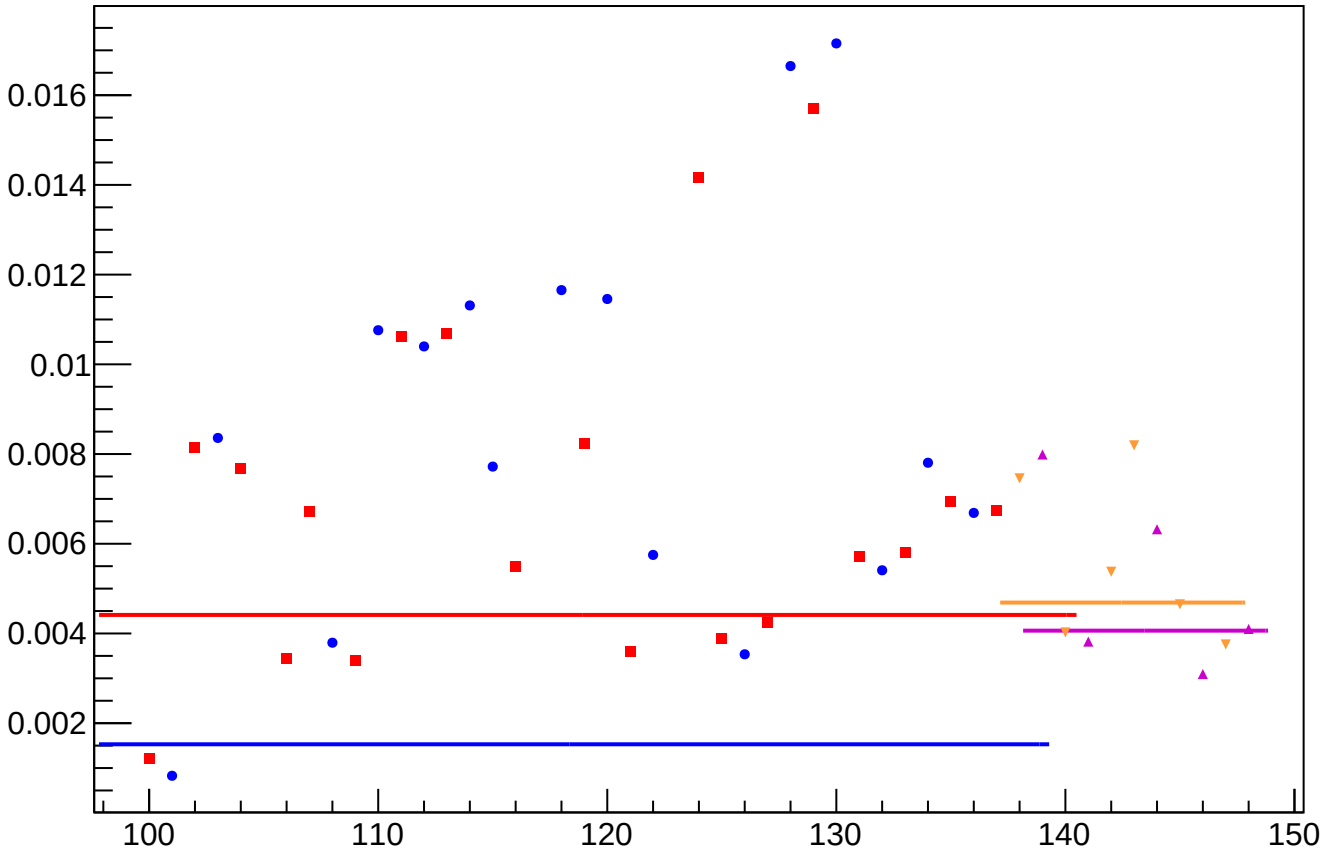
Left: -0.000+/-0.000 χ^2/NDF: 12.7/10

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:23.4/20

Out: 0.000+/-0.000 χ^2/NDF:30.5/24

All: -0.000+/-0.000 χ^2/NDF: 55.2/45



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:667327.6/5

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:804166.4/4

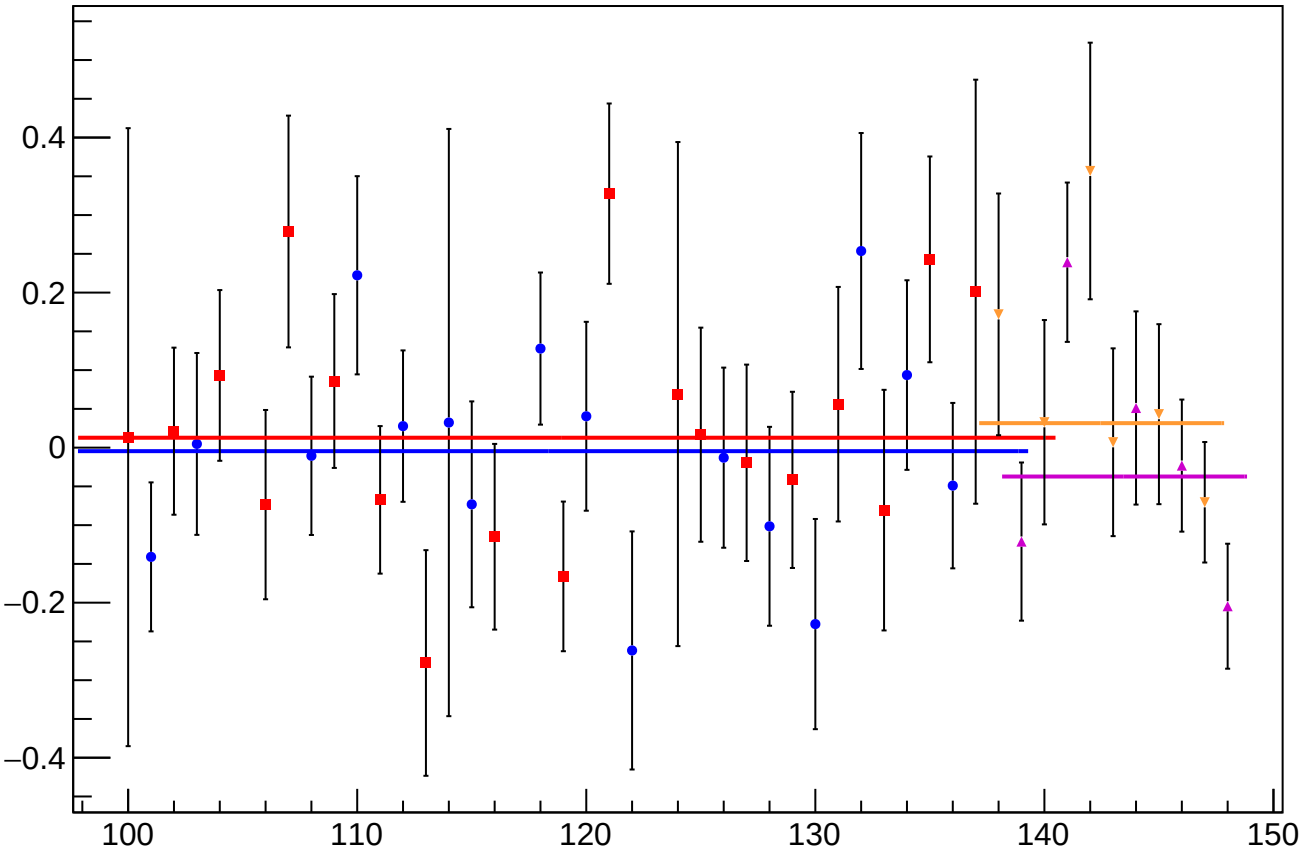
Left: 0.004+/-0.000 χ^2/NDF: 1552108.4/10

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:12504657.3/20

Out: 0.005+/-0.000 χ^2/NDF:4071911.2/24

All: 0.003+/-0.000 χ^2/NDF: 20868821.3/45



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

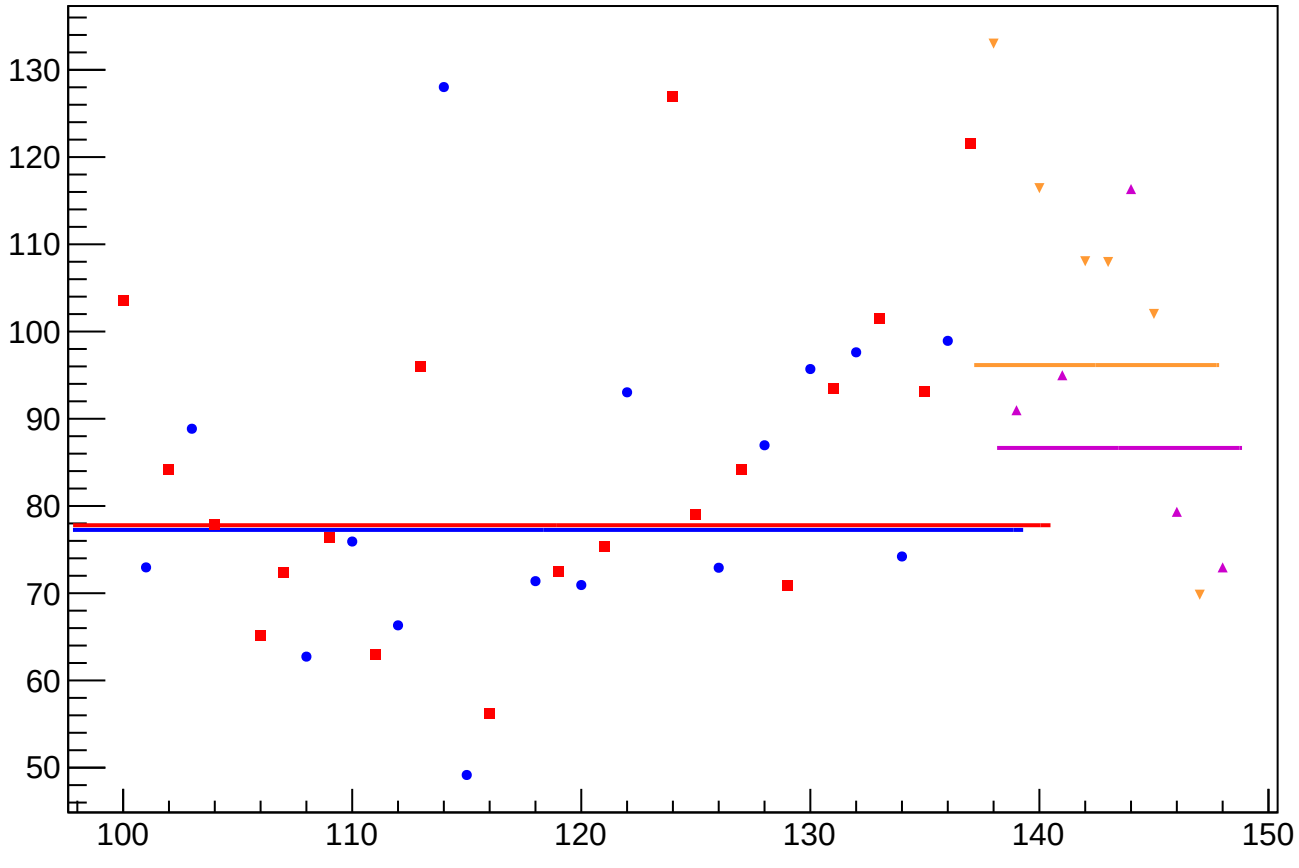
Left: -0.006+/-0.032 χ^2/NDF: 20.4/10

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.001+/-0.018 χ^2/NDF: 63.4/45



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

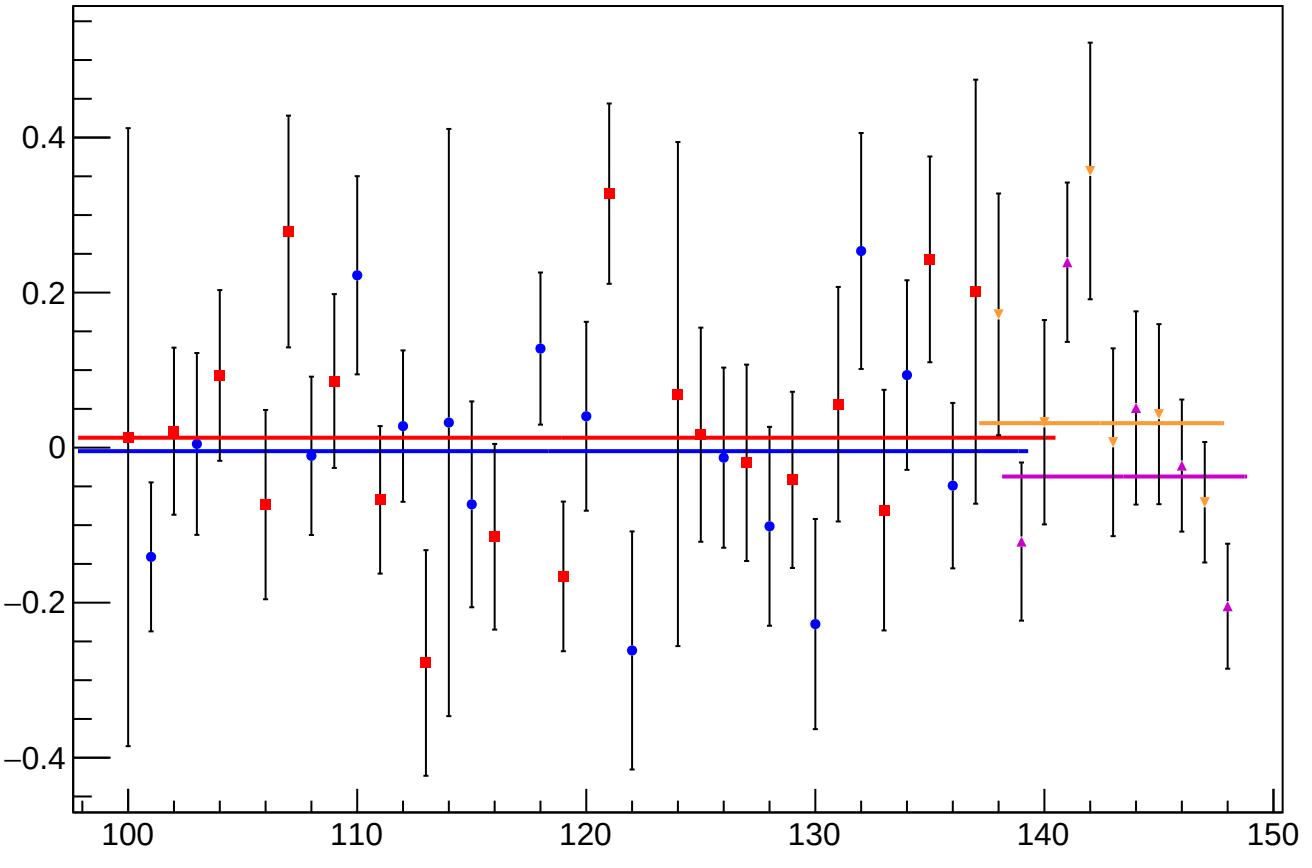
Left: 90.907+/-0.022 χ^2/NDF: 669887.1/10

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 80.364+/-0.017 χ^2/NDF:686608.6/20

Out: 82.960+/-0.018 χ^2/NDF:1034213.1/24

All: 81.630+/-0.012 χ^2/NDF: 1731701.9/45



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

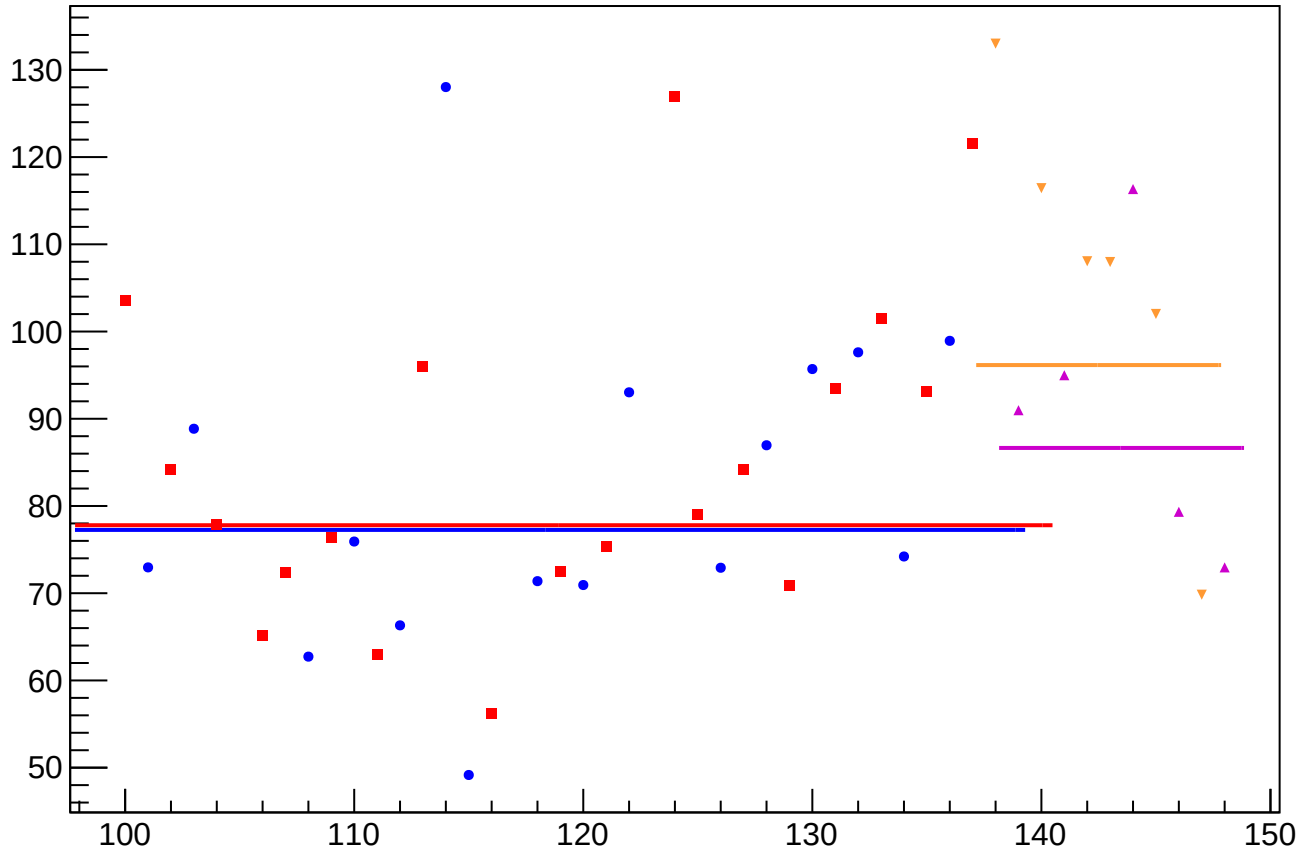
Left: -0.006+/-0.032 χ^2/NDF: 20.4/10

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.001+/-0.018 χ^2/NDF: 63.4/45



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

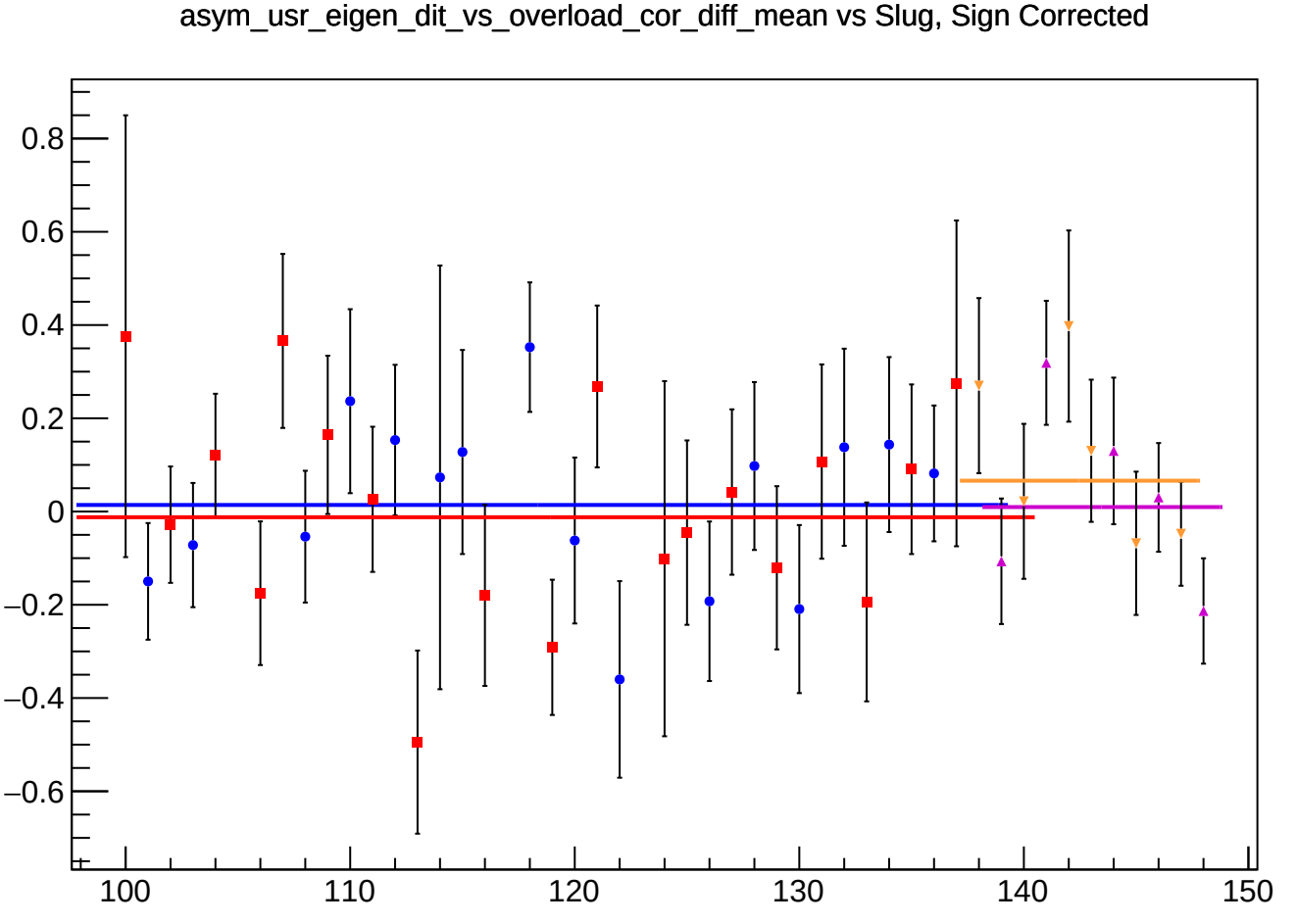
Left: 90.907+/-0.022 χ^2/NDF: 669887.1/10

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 80.364+/-0.017 χ^2/NDF:686608.6/20

Out: 82.960+/-0.018 χ^2/NDF:1034213.1/24

All: 81.630+/-0.012 χ^2/NDF: 1731701.9/45



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.010+/-0.057 χ^2/NDF:10.7/4

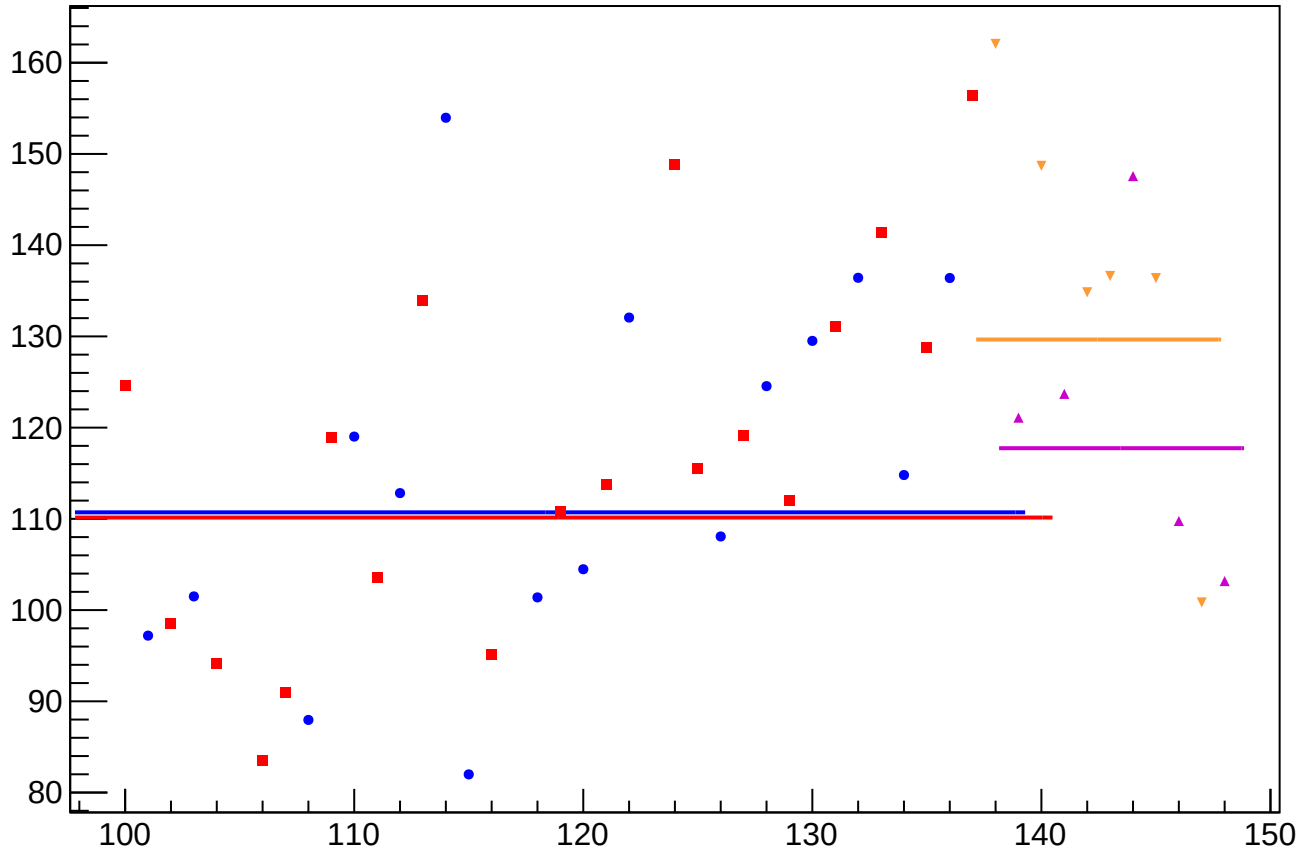
Left: 0.035+/-0.042 χ^2/NDF: 17.0/10

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.013+/-0.034 χ^2/NDF:28.8/20

Out: 0.011+/-0.035 χ^2/NDF:30.7/24

All: 0.012+/-0.024 χ^2/NDF: 59.5/45



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 129.659+/-0.044 χ^2/NDF:228659.4/5

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 117.746+/-0.041 χ^2/NDF:119831.5/4

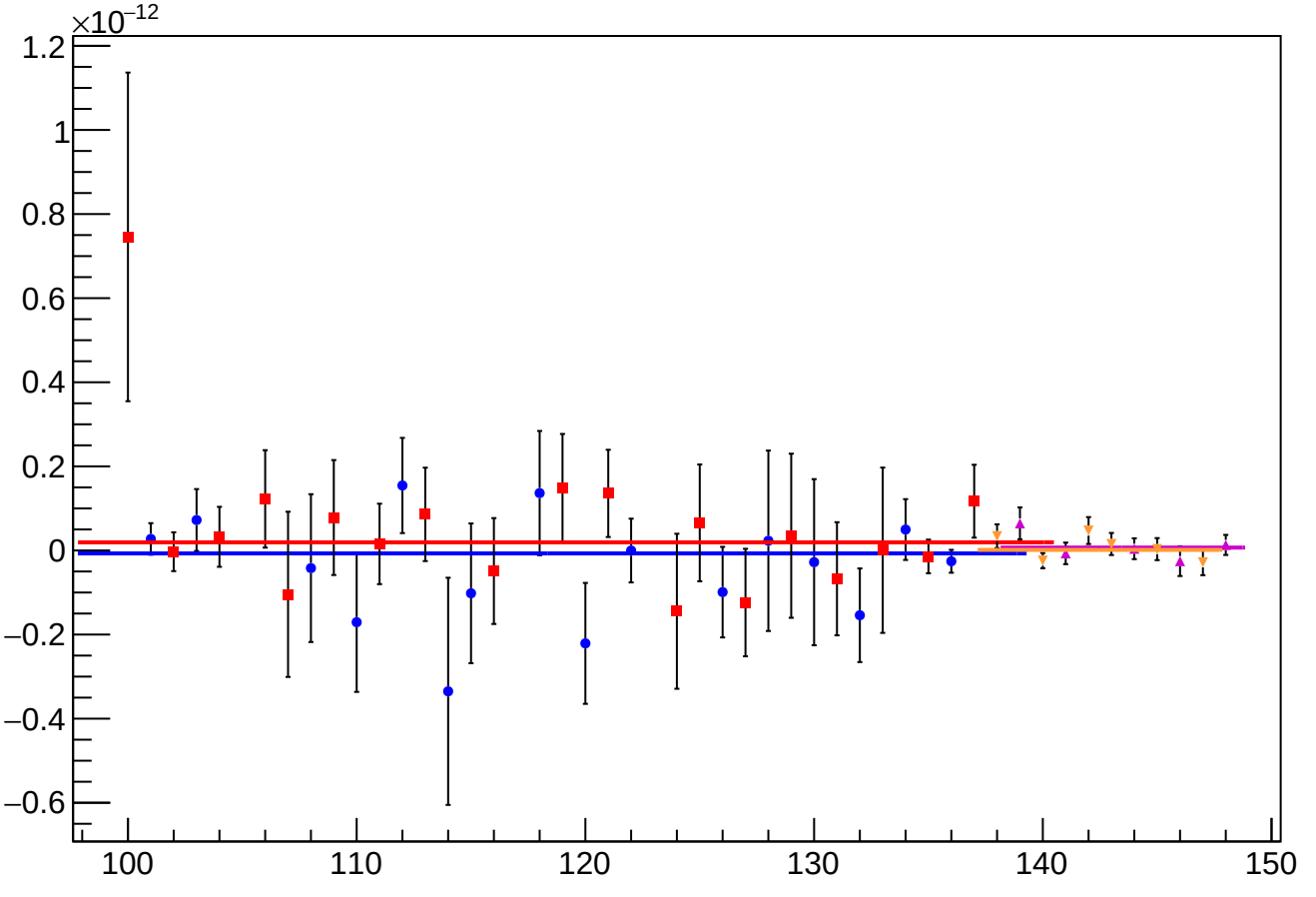
Left: 123.169+/-0.030 χ^2/NDF: 387775.4/10

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 113.189+/-0.024 χ^2/NDF:439265.5/20

Out: 116.047+/-0.024 χ^2/NDF:690348.2/24

All: 114.598+/-0.017 χ^2/NDF: 1136570.3/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/4

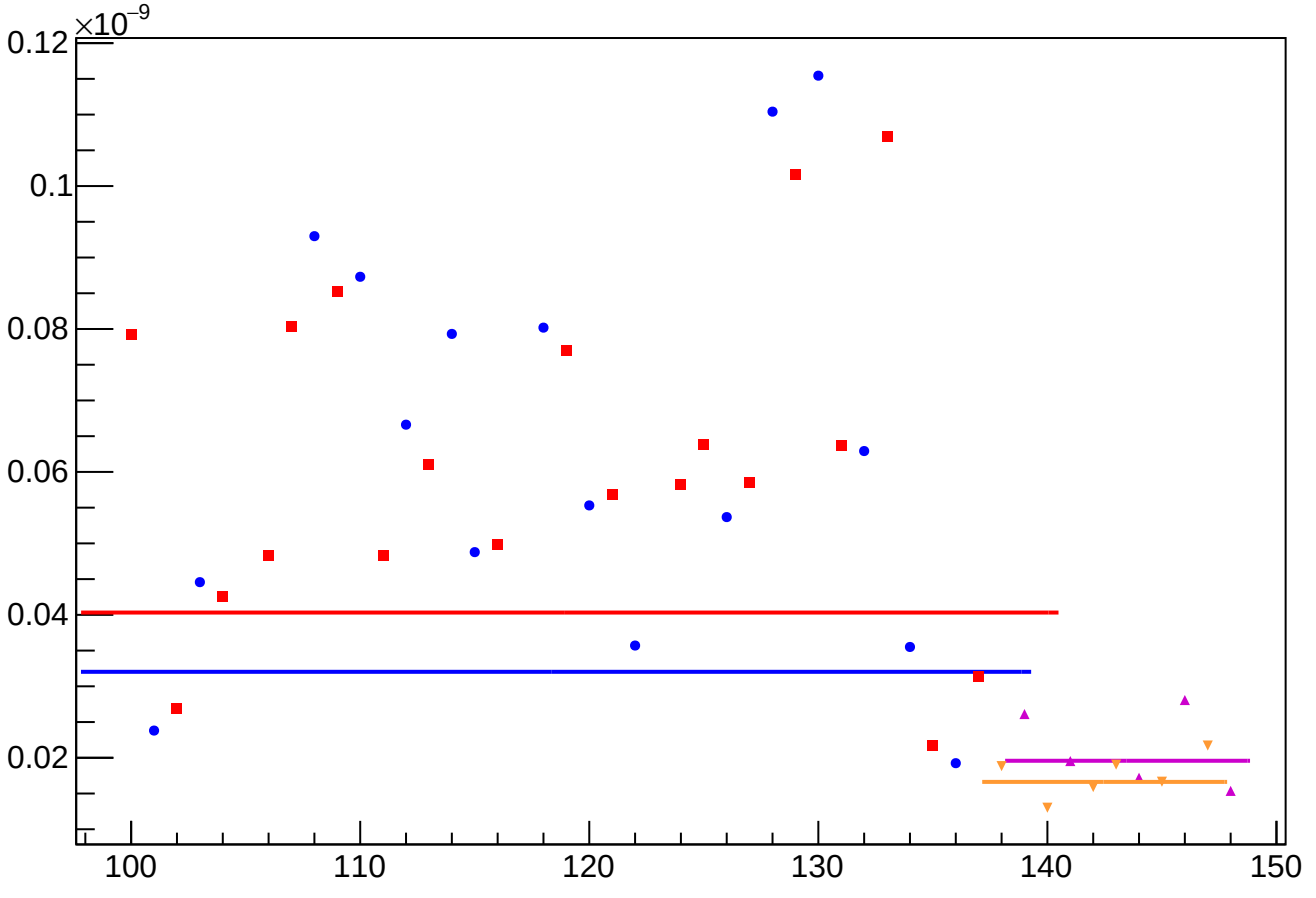
Left: 0.000+/-0.000 χ^2/NDF: 10.2/10

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: 0.000+/-0.000 χ^2/NDF:17.5/20

Out: 0.000+/-0.000 χ^2/NDF:19.7/24

All: 0.000+/-0.000 χ^2/NDF: 37.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:164317.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:255194.9/4

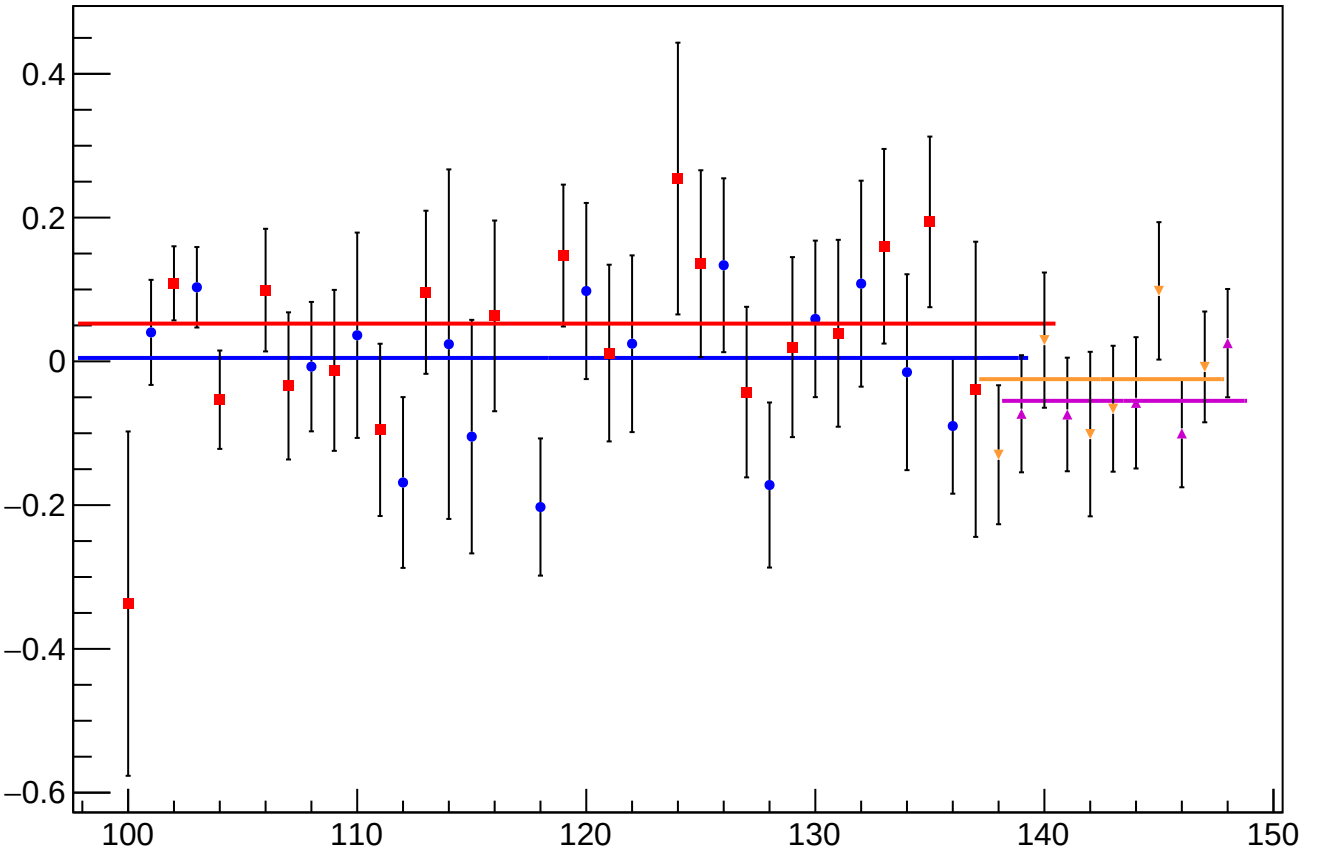
Left: 0.000+/-0.000 χ^2/NDF: 485545.0/10

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3363810.5/20

Out: 0.000+/-0.000 χ^2/NDF:4056645.1/24

All: 0.000+/-0.000 χ^2/NDF: 7480523.3/45



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.025+/-0.038 χ^2/NDF:3.9/5

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.055+/-0.036 χ^2/NDF:1.6/4

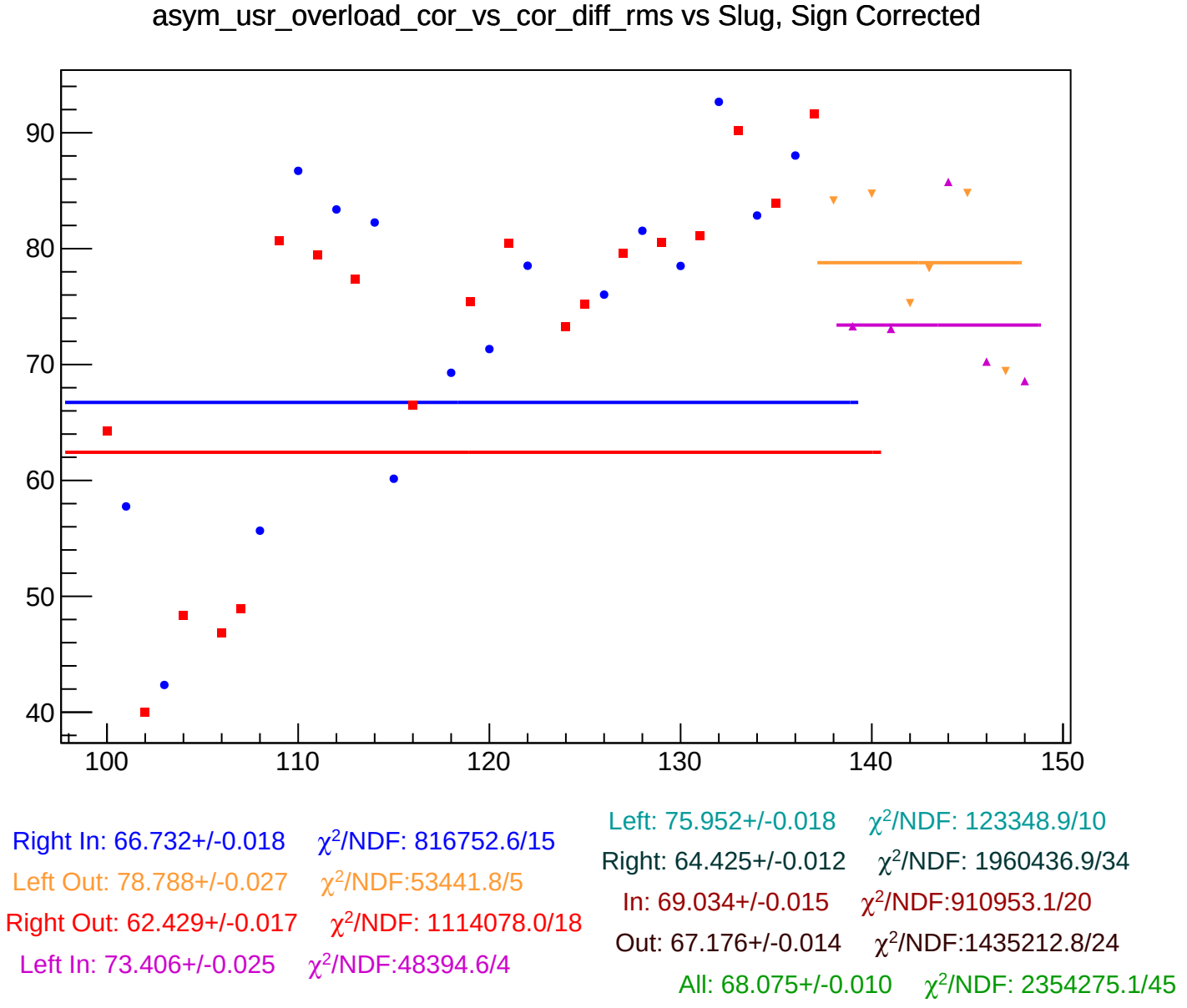
Left: -0.041+/-0.026 χ^2/NDF: 5.8/10

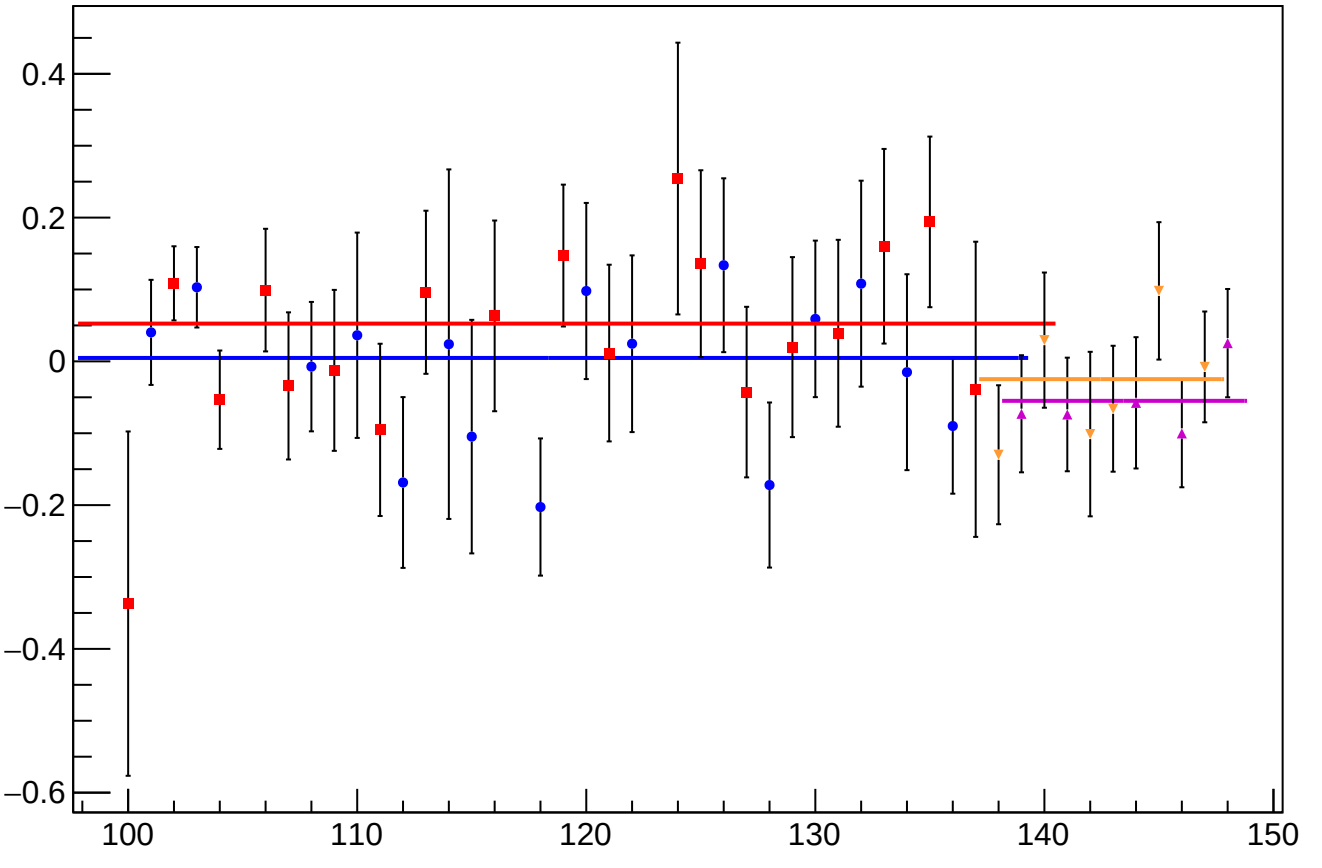
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.016+/-0.021 χ^2/NDF:20.1/20

Out: 0.030+/-0.020 χ^2/NDF:21.7/24

All: 0.008+/-0.015 χ^2/NDF: 44.2/45


asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 78.788+/-0.027 χ²/NDF:53441.8/5
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 73.406+/-0.025 χ²/NDF:48394.6/4
Left: 75.952+/-0.018 χ²/NDF: 123348.9/10
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 69.034+/-0.015 χ²/NDF:910953.1/20
Out: 67.176+/-0.014 χ²/NDF:1435212.8/24
All: 68.075+/-0.010 χ²/NDF: 2354275.1/45



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.025+/-0.038 χ^2/NDF:3.9/5

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.055+/-0.036 χ^2/NDF:1.6/4

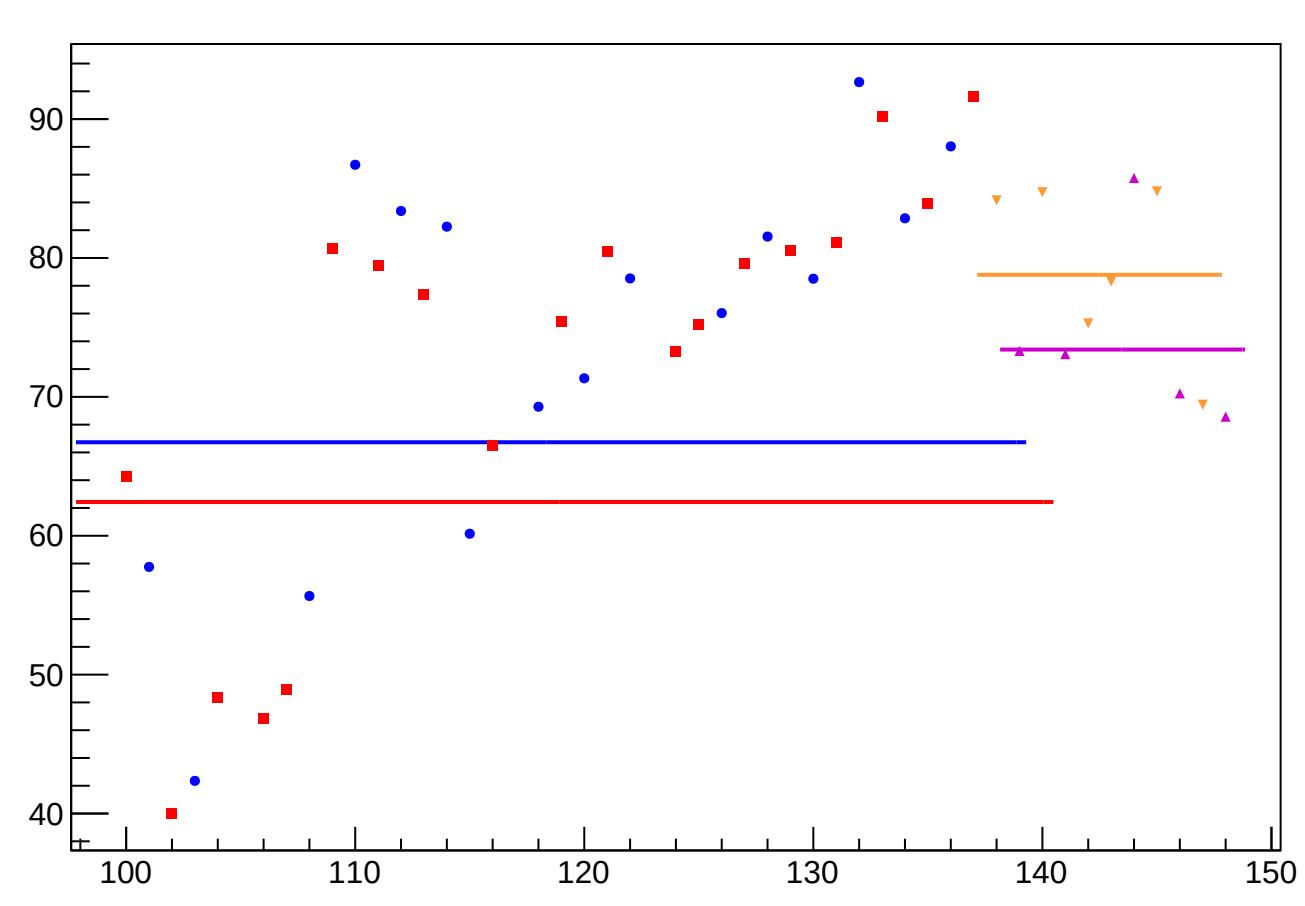
Left: -0.041+/-0.026 χ^2/NDF: 5.8/10

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.016+/-0.021 χ^2/NDF:20.1/20

Out: 0.030+/-0.020 χ^2/NDF:21.7/24

All: 0.008+/-0.015 χ^2/NDF: 44.2/45



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 78.788+/-0.027 χ^2/NDF:53441.8/5

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 73.406+/-0.025 χ^2/NDF:48394.6/4

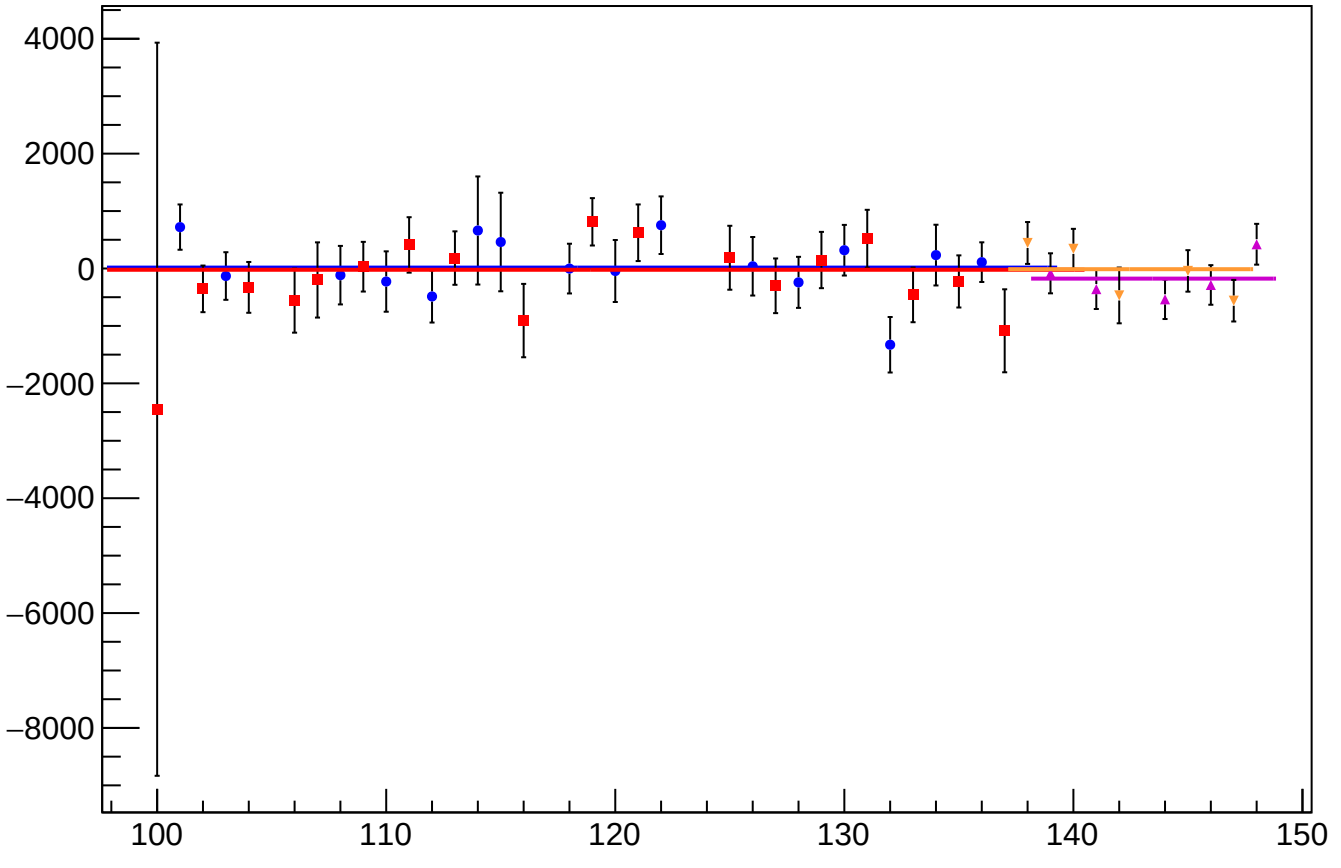
Left: 75.952+/-0.018 χ^2/NDF: 123348.9/10

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.034+/-0.015 χ^2/NDF:910953.1/20

Out: 67.176+/-0.014 χ^2/NDF:1435212.8/24

All: 68.075+/-0.010 χ^2/NDF: 2354275.1/45



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -12.192+/-168.292 χ^2/NDF:5.8/4

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -176.312+/-155.481 χ^2/NDF:4.4/4

Left: -100.736+/-114.202 χ^2/NDF: 10.7/9

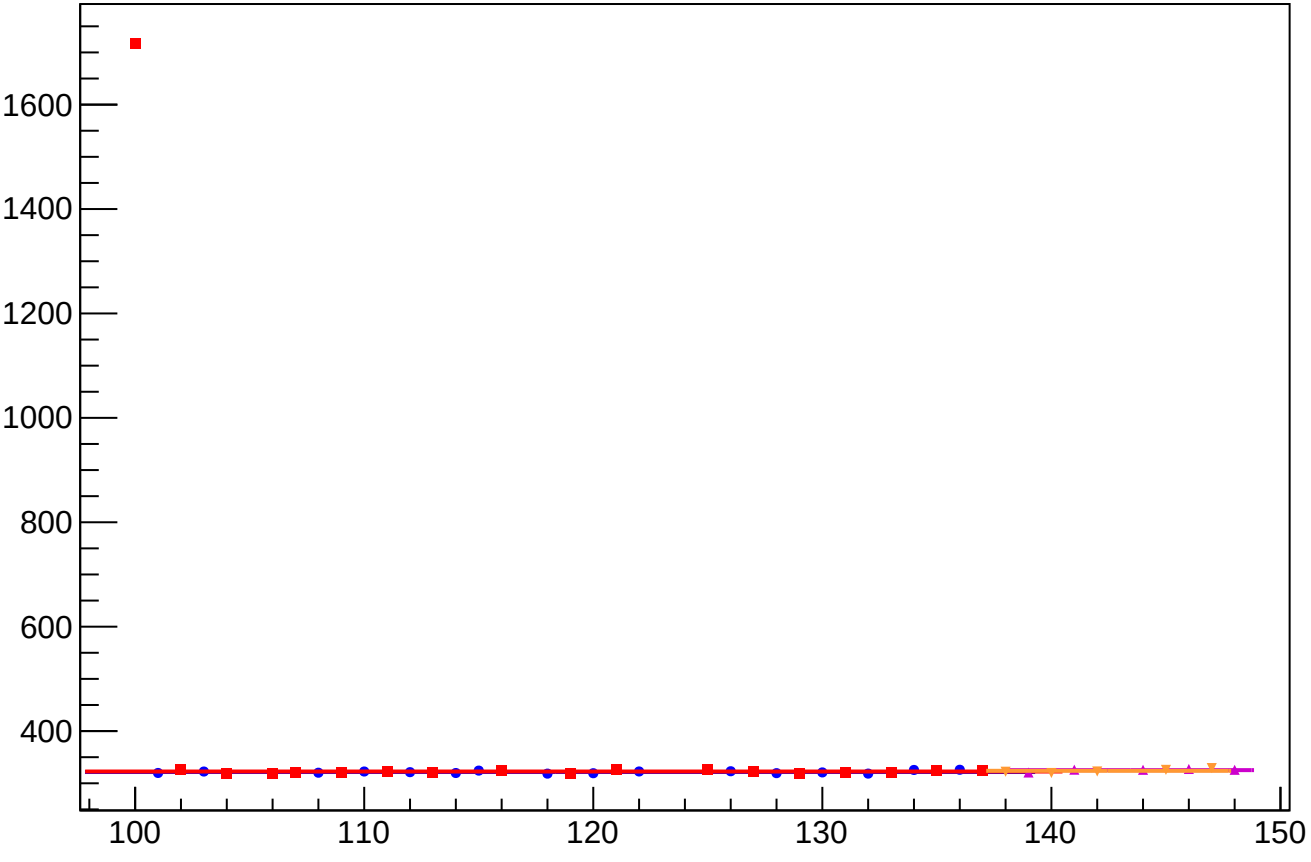
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -55.668+/-94.714 χ^2/NDF:21.9/20

Out: -18.819+/-97.278 χ^2/NDF:21.8/22

All: -37.736+/-67.861 χ^2/NDF: 43.7/43

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.912+/-0.119 χ^2/NDF:814.9/4

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 325.218+/-0.110 χ^2/NDF:447.9/4

Left: 324.617+/-0.081 χ^2/NDF: 1327.8/9

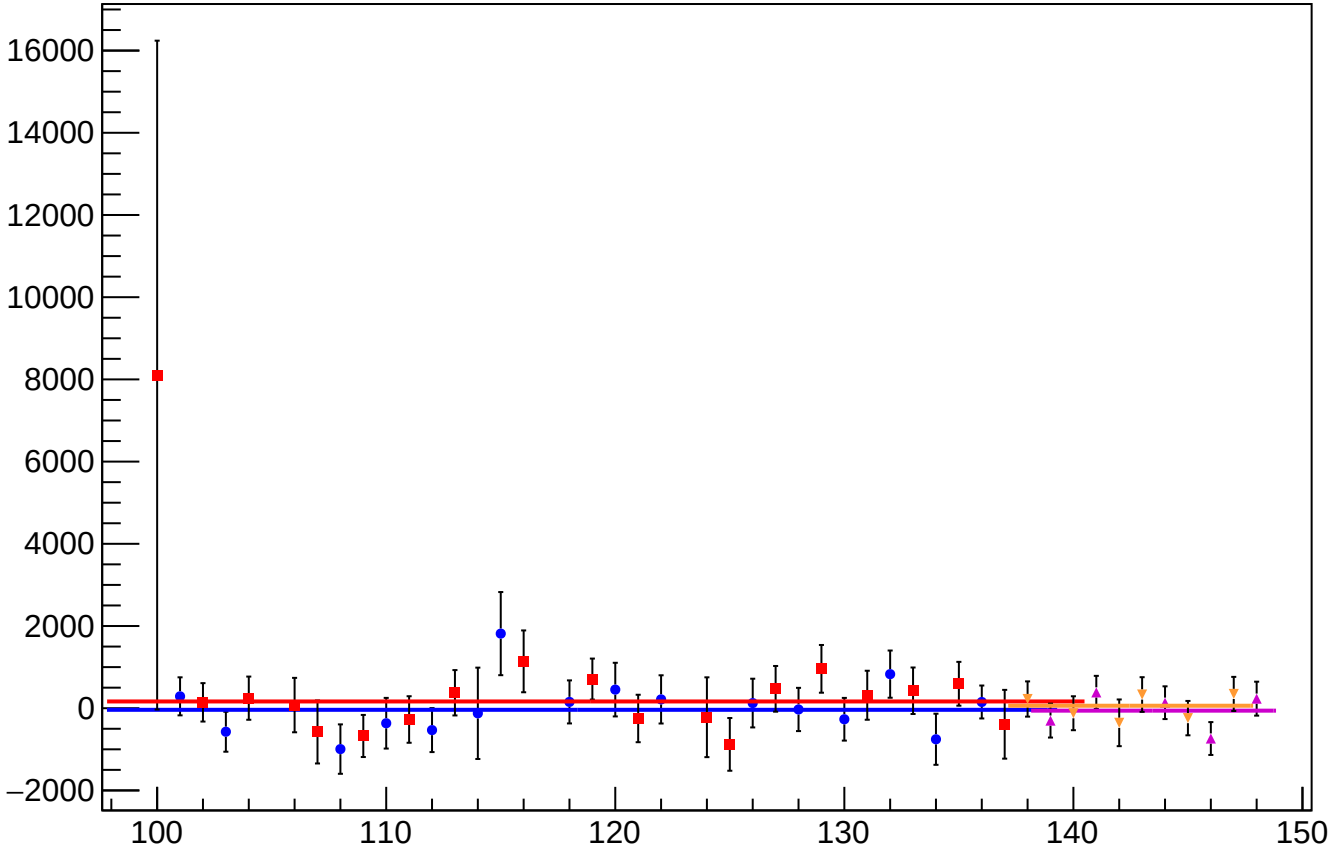
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.945+/-0.067 χ^2/NDF:1950.4/20

Out: 323.007+/-0.069 χ^2/NDF:97793.7/22

All: 322.975+/-0.048 χ^2/NDF: 99744.6/43

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 60.597+/-178.057 χ^2/NDF:2.3/5

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -59.227+/-181.136 χ^2/NDF:5.2/4

Left: 1.712+/-126.980 χ^2/NDF: 7.7/10

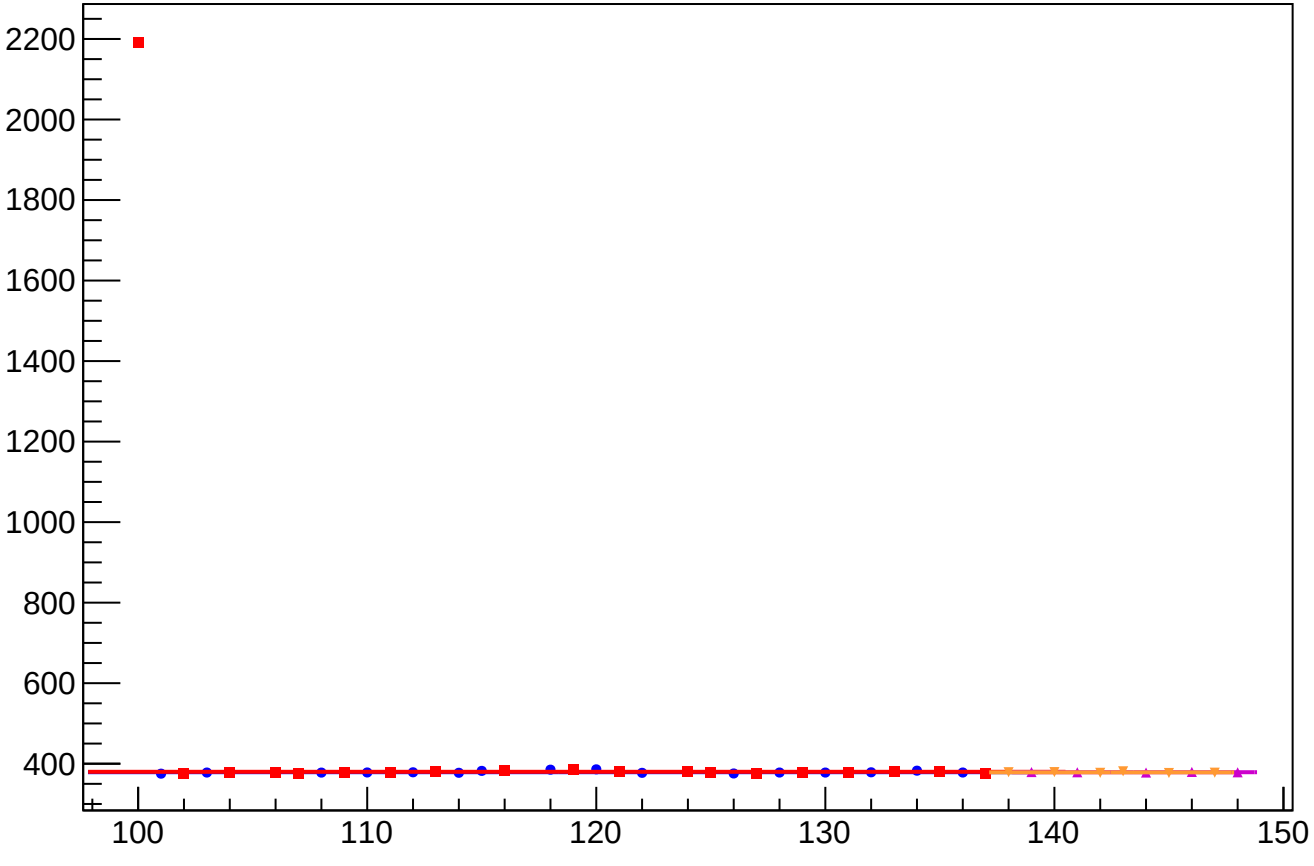
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -46.560+/-111.126 χ^2/NDF:18.9/20

Out: 125.256+/-109.549 χ^2/NDF:17.6/24

All: 40.576+/-78.014 χ^2/NDF: 37.7/45

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.583+/-0.126 χ^2/NDF:122.7/5

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.868+/-0.128 χ^2/NDF:16.3/4

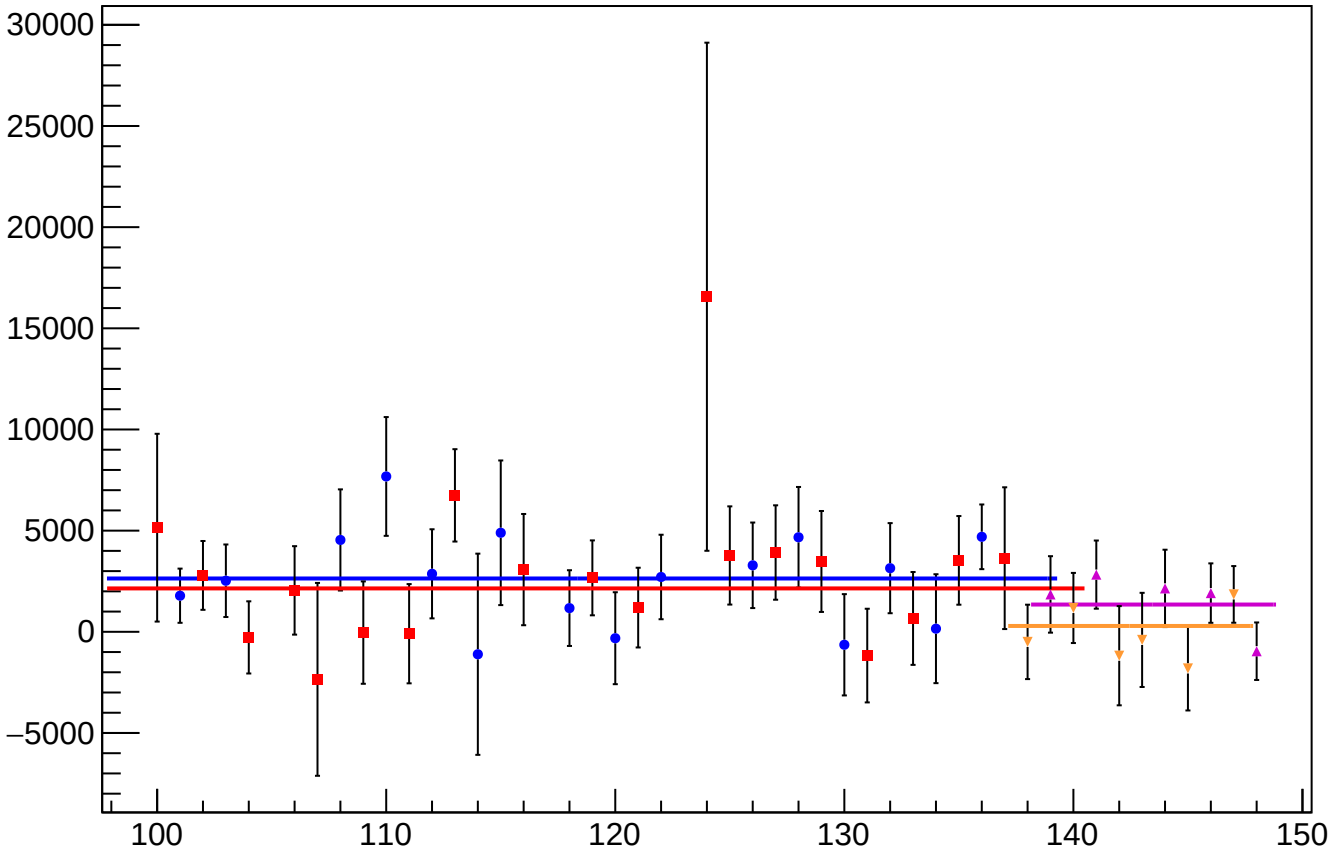
Left: 378.723+/-0.090 χ^2/NDF: 141.6/10

Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.894+/-0.079 χ^2/NDF:867.6/20

Out: 379.388+/-0.077 χ^2/NDF:99809.9/24

All: 379.144+/-0.055 χ^2/NDF: 100697.5/45



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

Left Out: 289.001+/-762.262 χ^2/NDF:3.2/5

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1347.656+/-732.286 χ^2/NDF:3.8/4

Left: 839.553+/-528.084 χ^2/NDF: 8.0/10

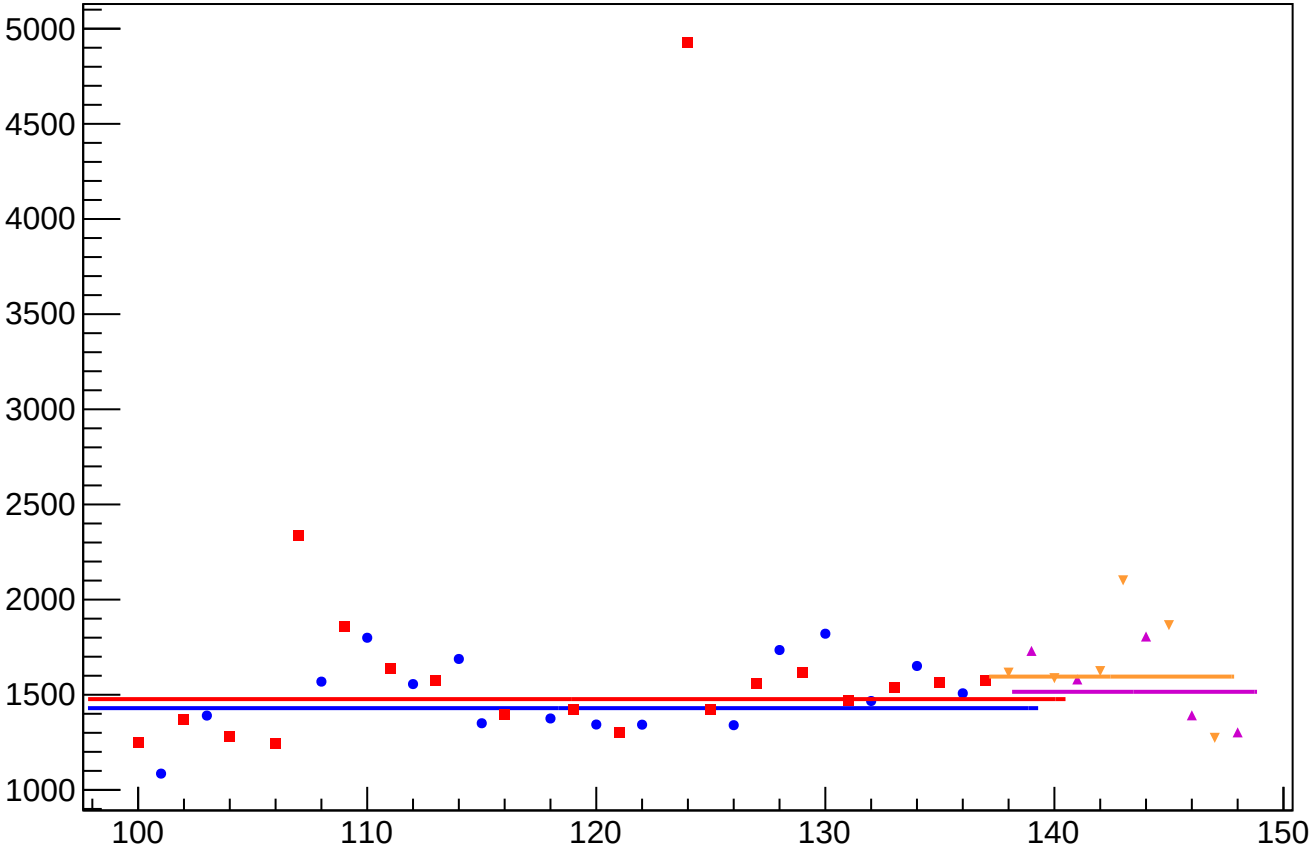
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2183.943+/-433.584 χ^2/NDF:18.1/20

Out: 1513.894+/-444.395 χ^2/NDF:22.1/24

All: 1857.167+/-310.342 χ^2/NDF: 41.3/45

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1595.481+/-0.539 χ^2/NDF:234468.6/5

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1515.529+/-0.518 χ^2/NDF:134161.9/4

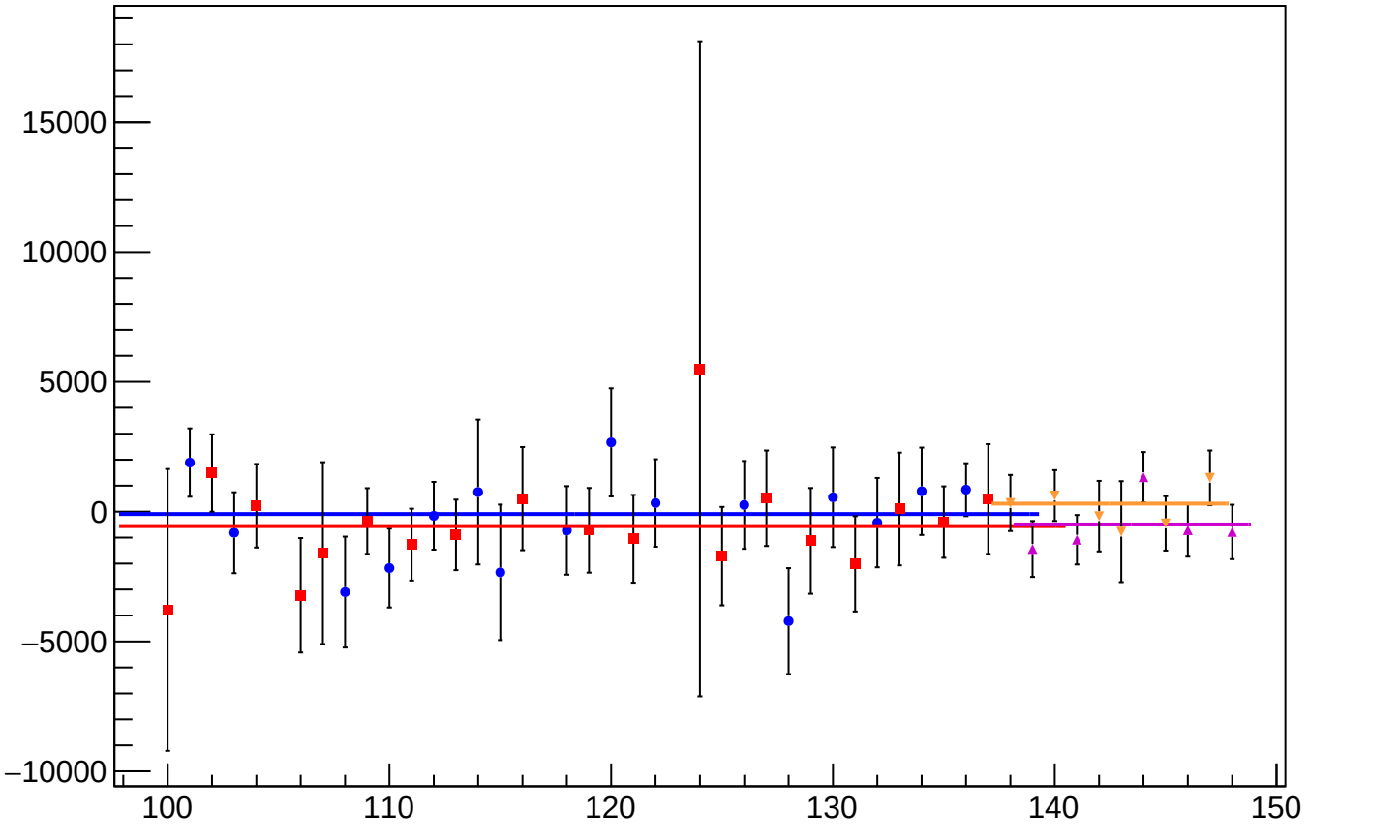
Left: 1553.902+/-0.373 χ^2/NDF: 380073.2/10

Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1459.760+/-0.307 χ^2/NDF:445412.2/20

Out: 1517.353+/-0.314 χ^2/NDF:635727.8/24

All: 1487.847+/-0.219 χ^2/NDF: 1098349.3/45



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

Left Out: 308.712+/-470.184 χ^2/NDF:2.0/5

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -494.114+/-451.761 χ^2/NDF:4.8/4

Left: -108.738+/-325.762 χ^2/NDF: 8.3/10

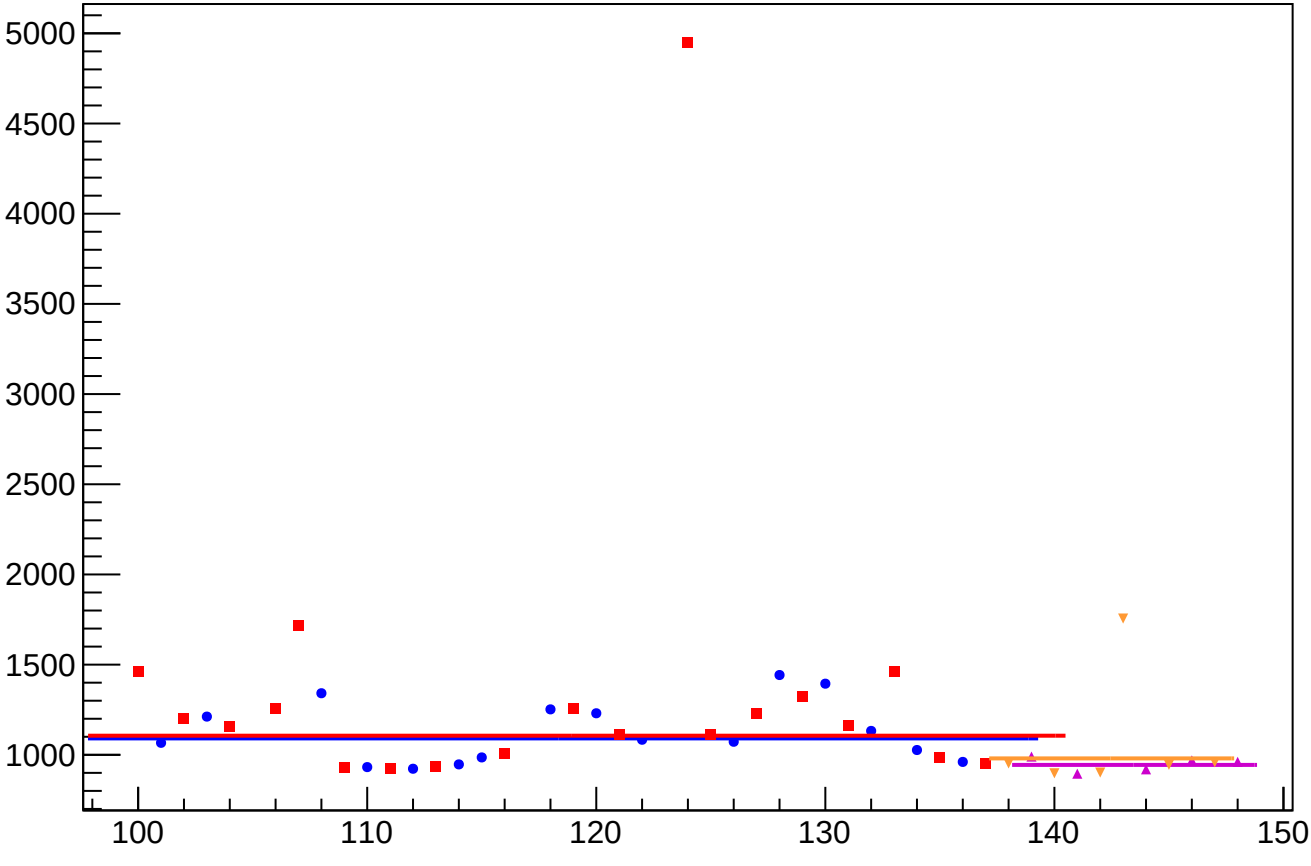
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -273.214+/-303.589 χ^2/NDF:19.8/20

Out: -181.580+/-309.591 χ^2/NDF:10.6/24

All: -228.294+/-216.761 χ^2/NDF: 30.4/45

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.206+/-0.332 χ^2/NDF:343882.0/5

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 944.107+/-0.319 χ^2/NDF:11924.3/4

Left: 961.435+/-0.230 χ^2/NDF: 361936.4/10

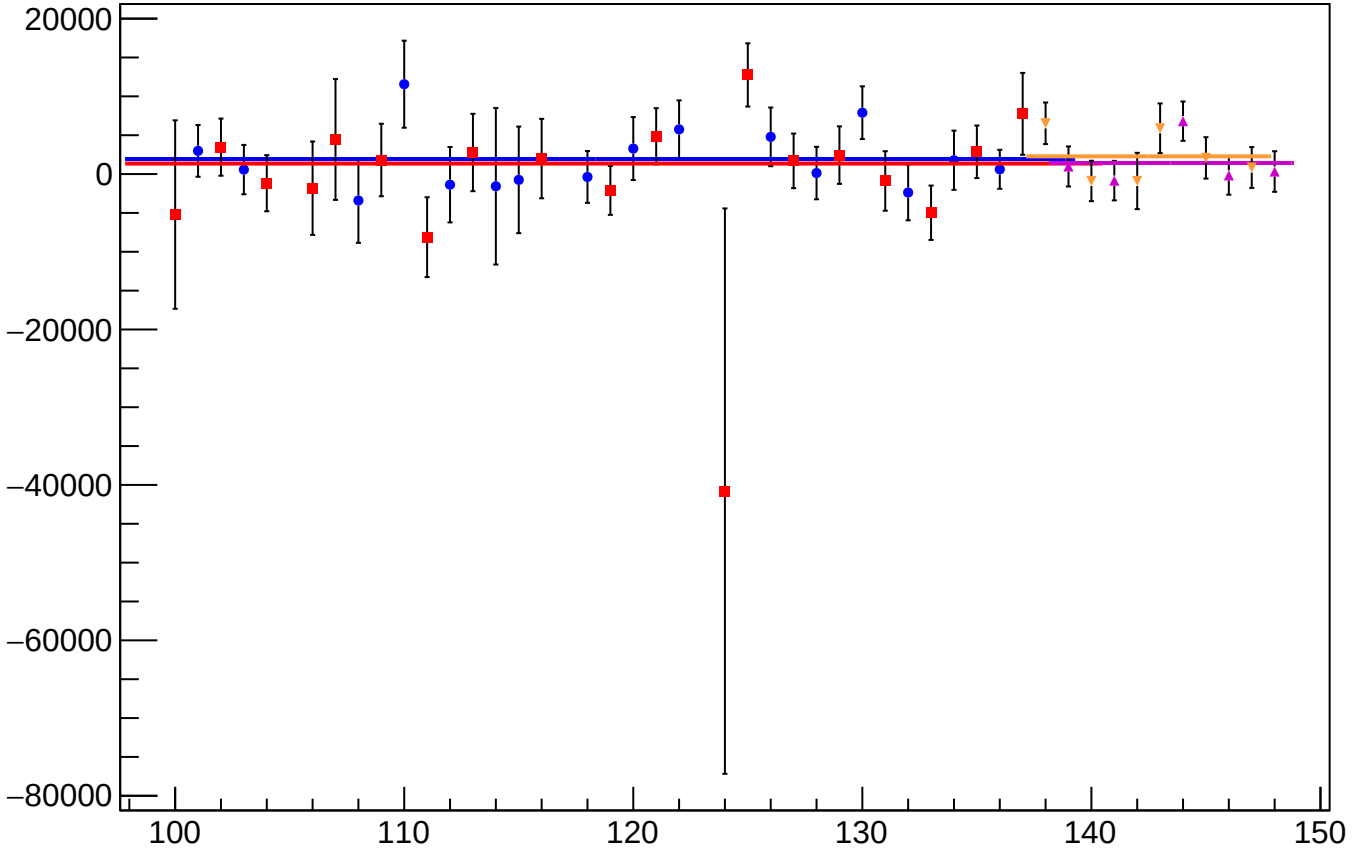
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1024.685+/-0.215 χ^2/NDF:405254.7/20

Out: 1051.488+/-0.219 χ^2/NDF:939130.7/24

All: 1037.824+/-0.153 χ^2/NDF: 1352027.2/45

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2281.114+/-1156.965 χ^2/NDF:6.4/5

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1426.816+/-1139.140 χ^2/NDF:5.9/4

Left: 1847.333+/-811.722 χ^2/NDF: 12.6/10

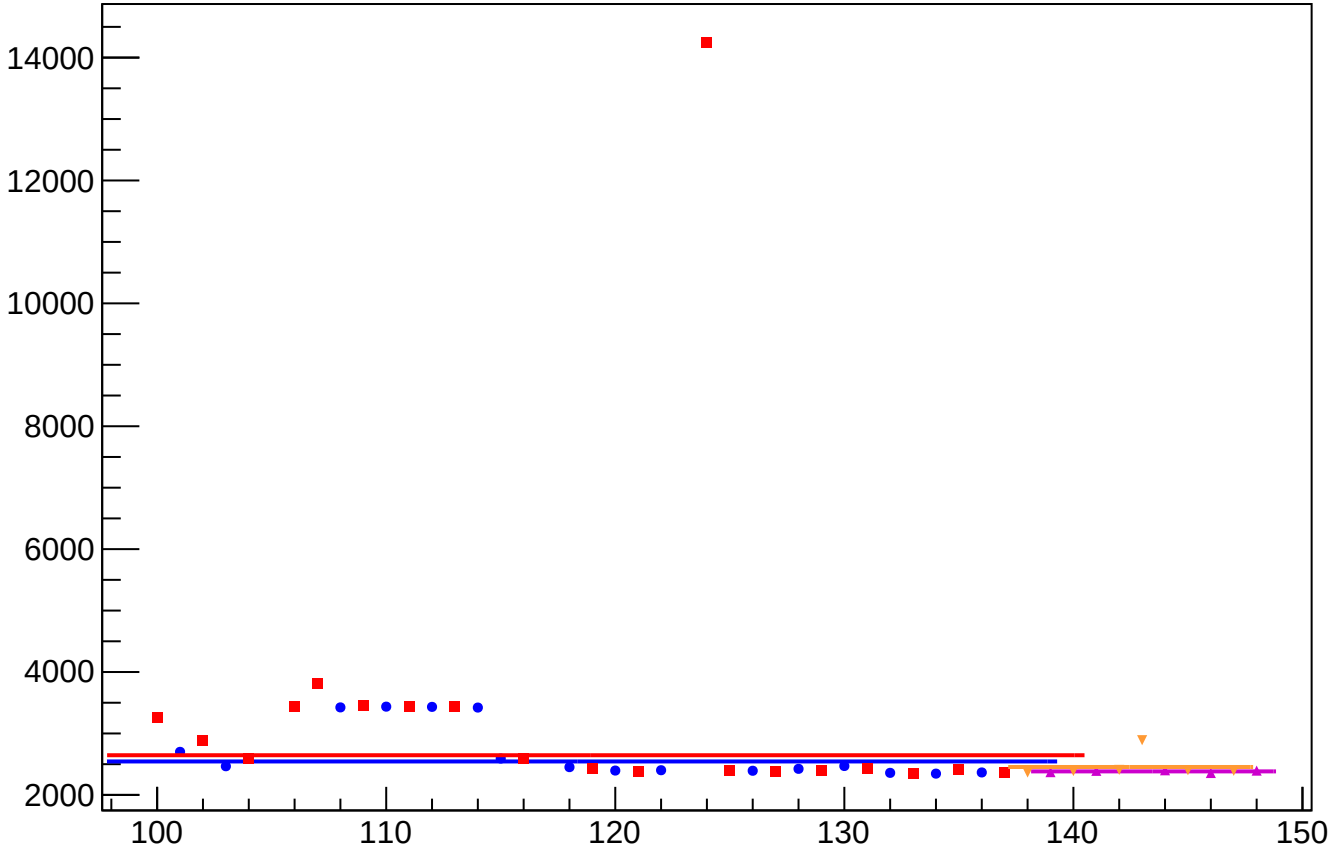
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1728.627+/-730.732 χ^2/NDF:18.3/20

Out: 1743.325+/-750.057 χ^2/NDF:28.5/24

All: 1735.784+/-523.404 χ^2/NDF: 46.8/45

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

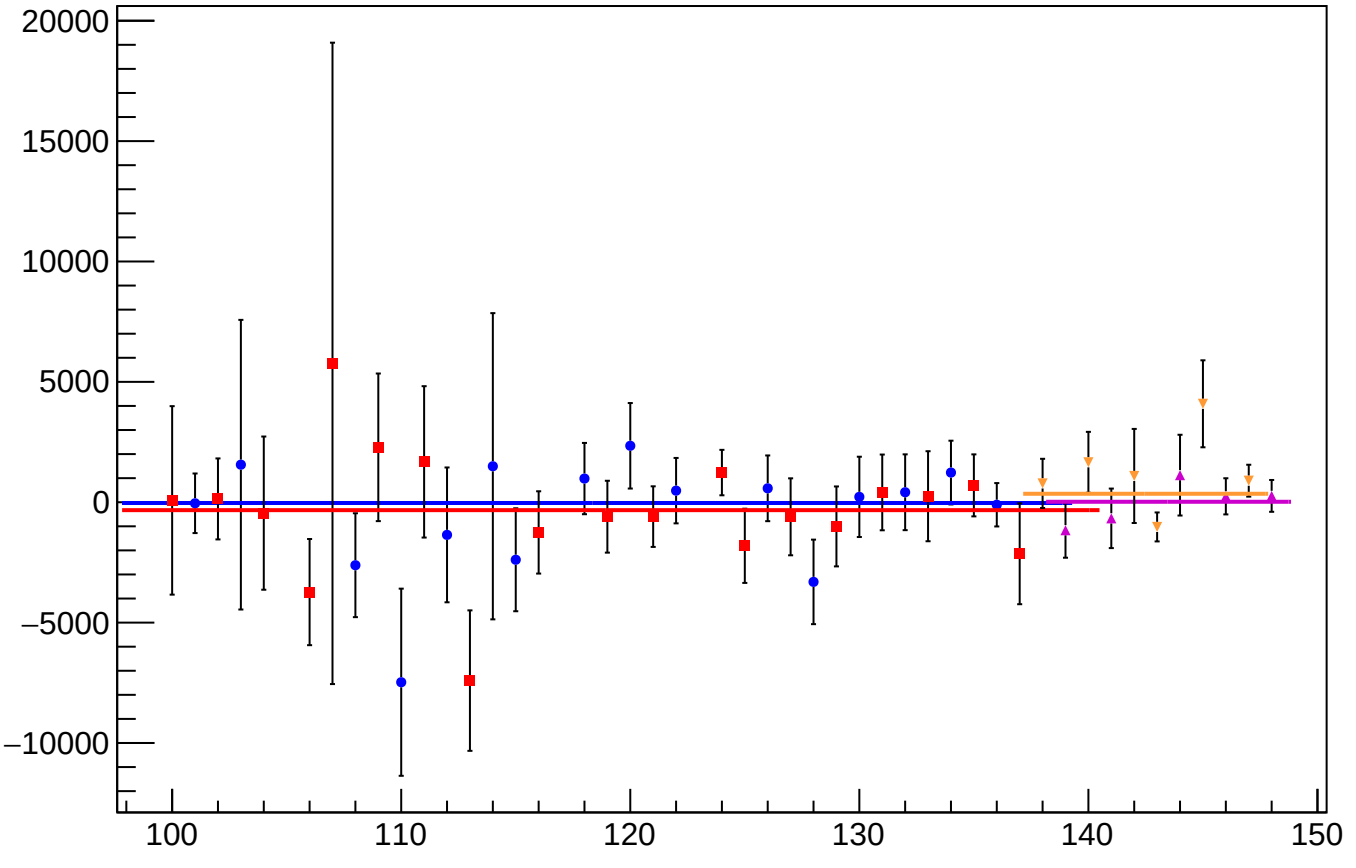
Left: 2417.900+/-0.574 χ^2/NDF: 47342.1/10

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2477.875+/-0.517 χ^2/NDF:249773.6/20

Out: 2565.184+/-0.530 χ^2/NDF:611734.5/24

All: 2520.390+/-0.370 χ^2/NDF: 875411.5/45



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 351.747+/-372.756 χ^2/NDF:11.6/5

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 19.150+/-413.865 χ^2/NDF:2.0/4

Left: 202.783+/-276.975 χ^2/NDF: 14.0/10

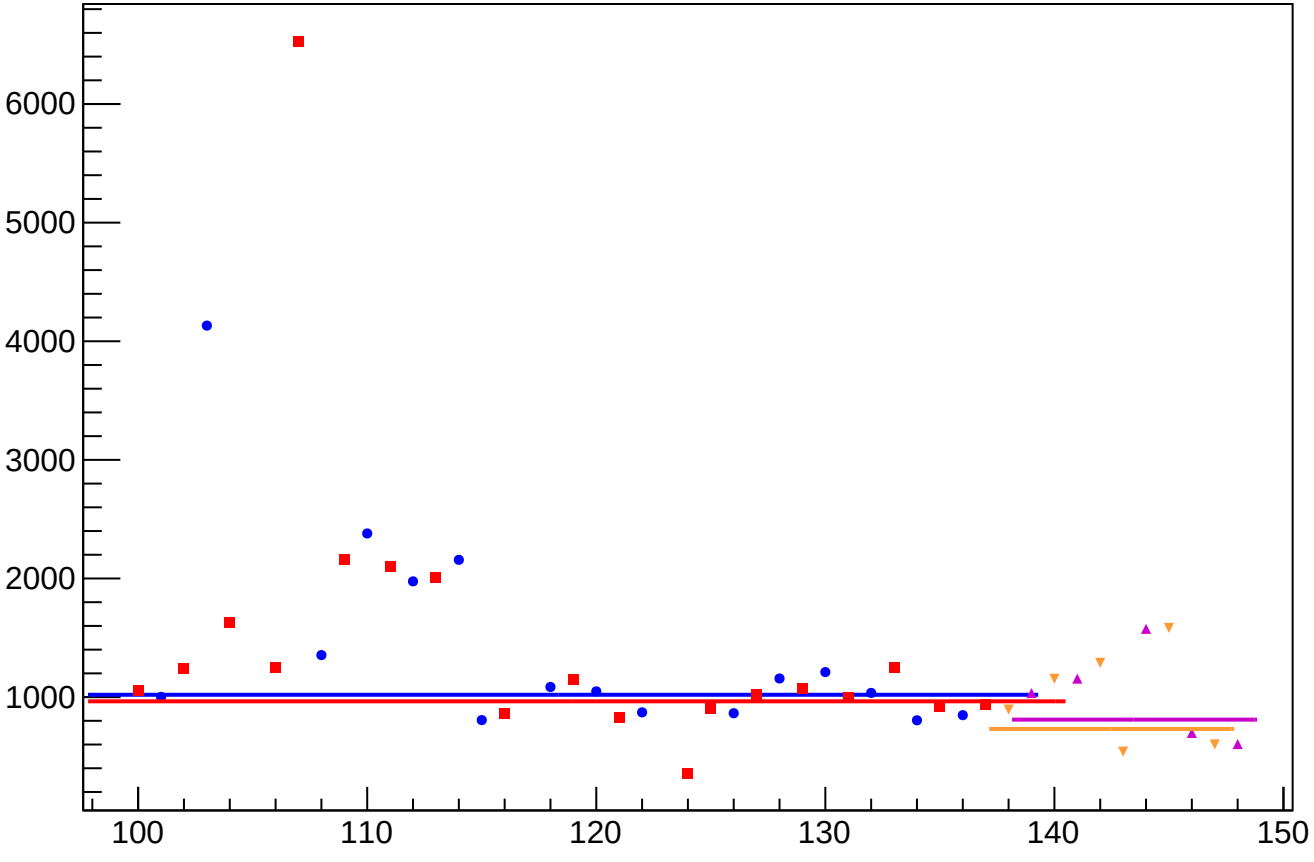
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -6.521+/-289.727 χ^2/NDF:15.8/20

Out: 34.374+/-272.246 χ^2/NDF:28.8/24

All: 15.198+/-198.399 χ^2/NDF: 44.6/45

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 731.593+/-0.264 χ^2/NDF:1162067.3/5

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 810.011+/-0.293 χ^2/NDF:888168.8/4

Left: 766.715+/-0.196 χ^2/NDF: 2089880.2/10

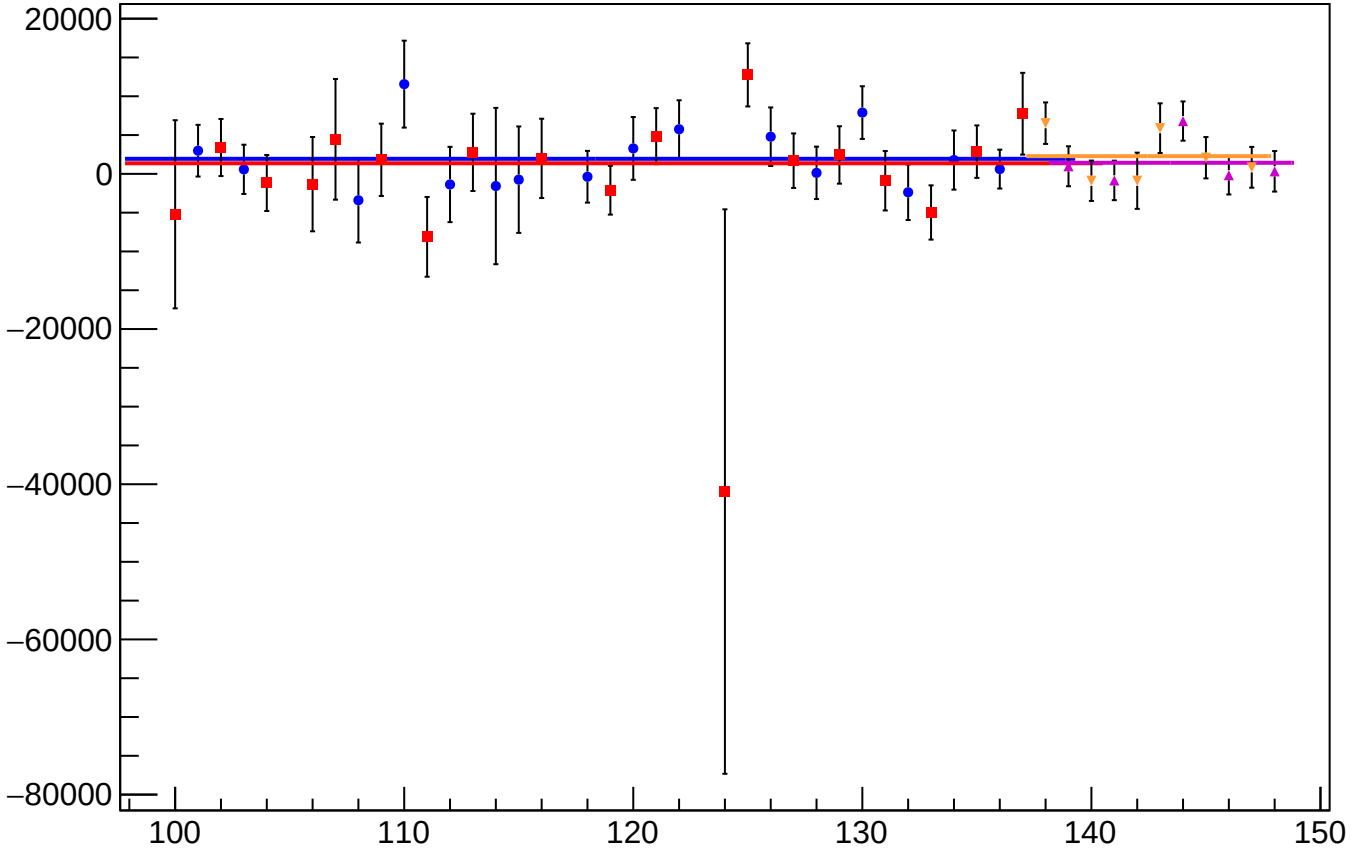
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 916.847+/-0.205 χ^2/NDF:2514273.9/20

Out: 840.205+/-0.193 χ^2/NDF:3835353.2/24

All: 876.144+/-0.140 χ^2/NDF: 6423955.2/45

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2280.954+/-1156.965 χ^2/NDF:6.4/5

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1427.096+/-1139.140 χ^2/NDF:5.9/4

Left: 1847.397+/-811.722 χ^2/NDF: 12.6/10

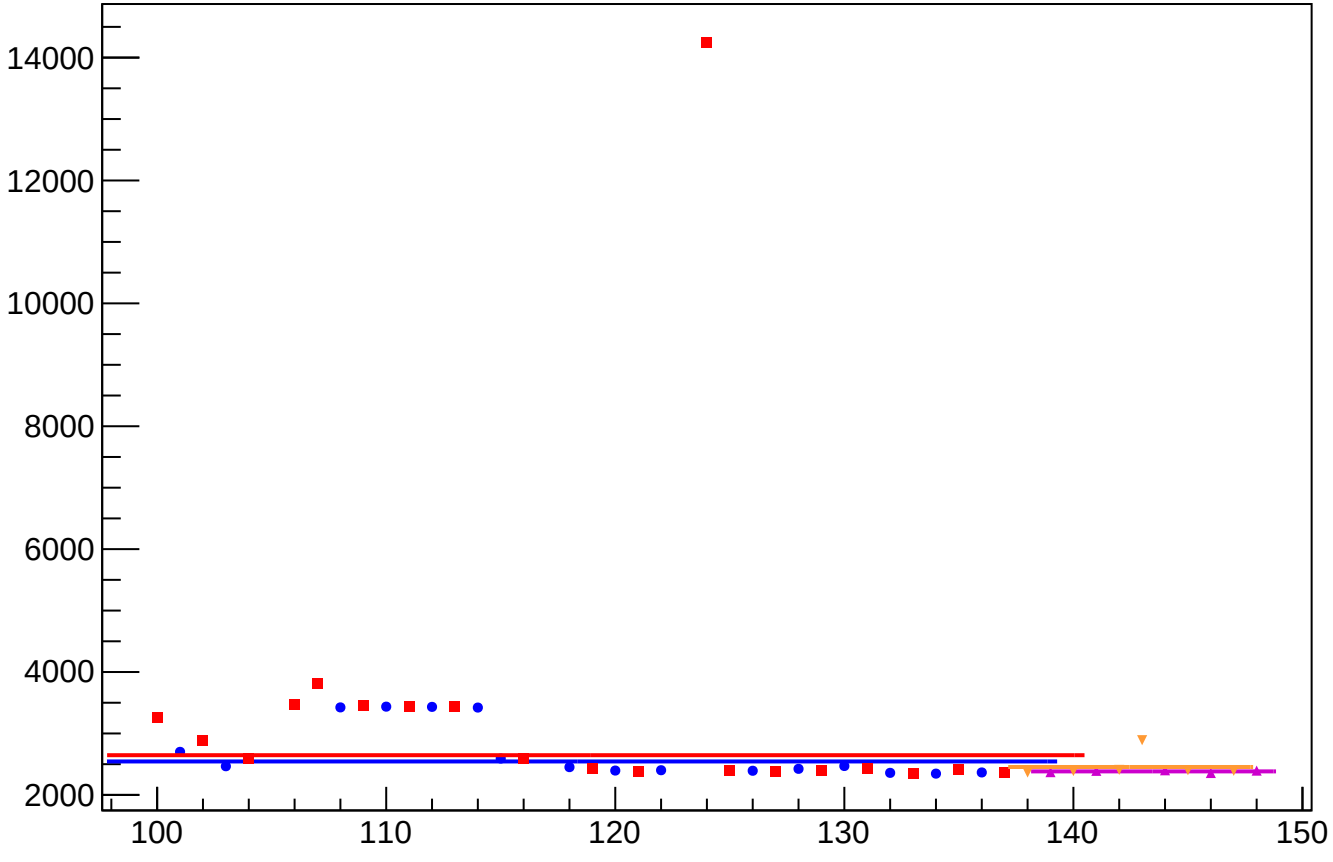
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1728.947+/-730.732 χ^2/NDF:18.3/20

Out: 1748.995+/-750.190 χ^2/NDF:28.4/24

All: 1738.707+/-523.449 χ^2/NDF: 46.7/45

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

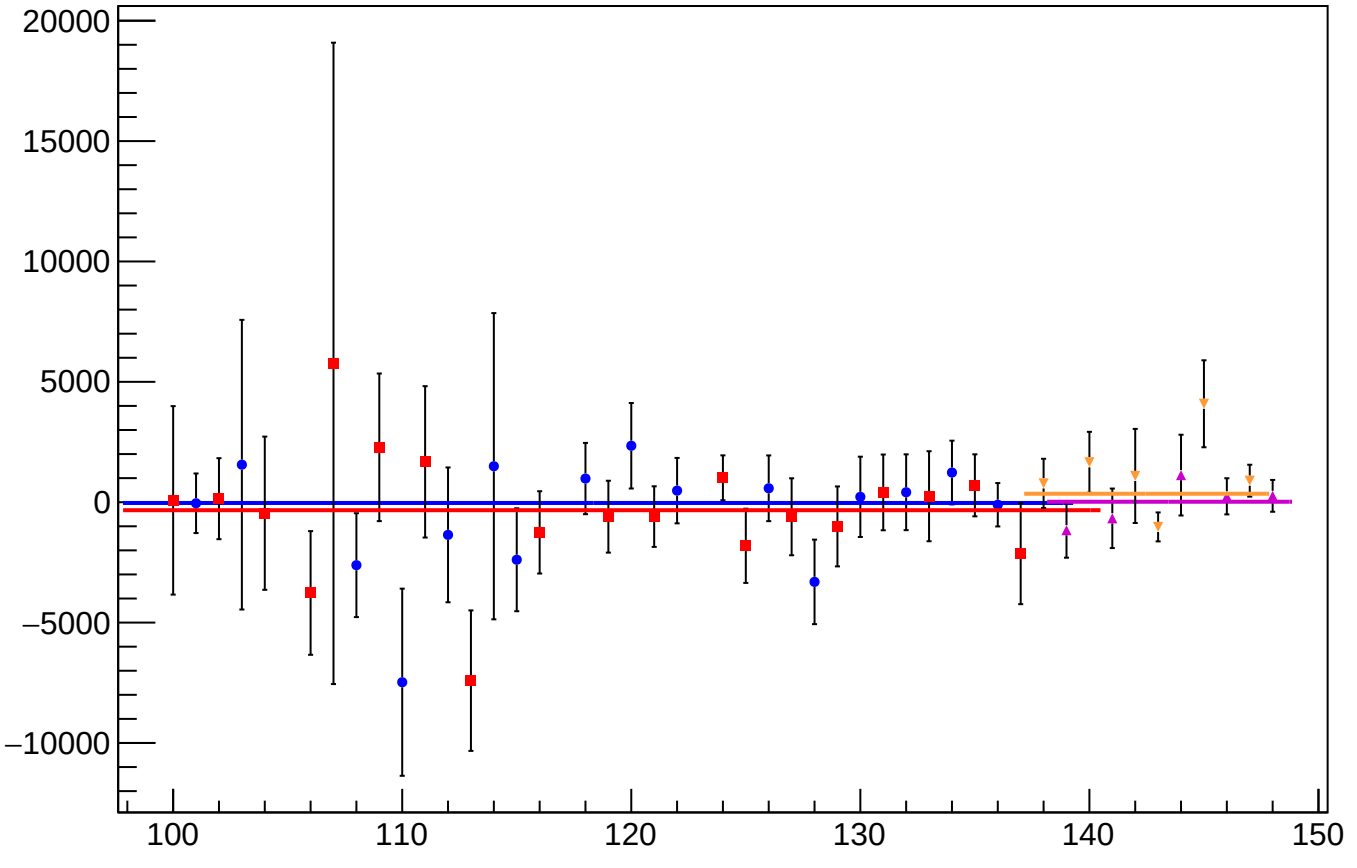
Left: 2417.900+/-0.574 χ^2/NDF: 47342.1/10

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2477.875+/-0.517 χ^2/NDF:249773.6/20

Out: 2565.478+/-0.530 χ^2/NDF:614492.7/24

All: 2520.526+/-0.370 χ^2/NDF: 878260.9/45



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 351.657+/-372.765 χ^2/NDF:11.6/5

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 19.333+/-413.860 χ^2/NDF:2.0/4

Left: 202.809+/-276.977 χ^2/NDF: 14.0/10

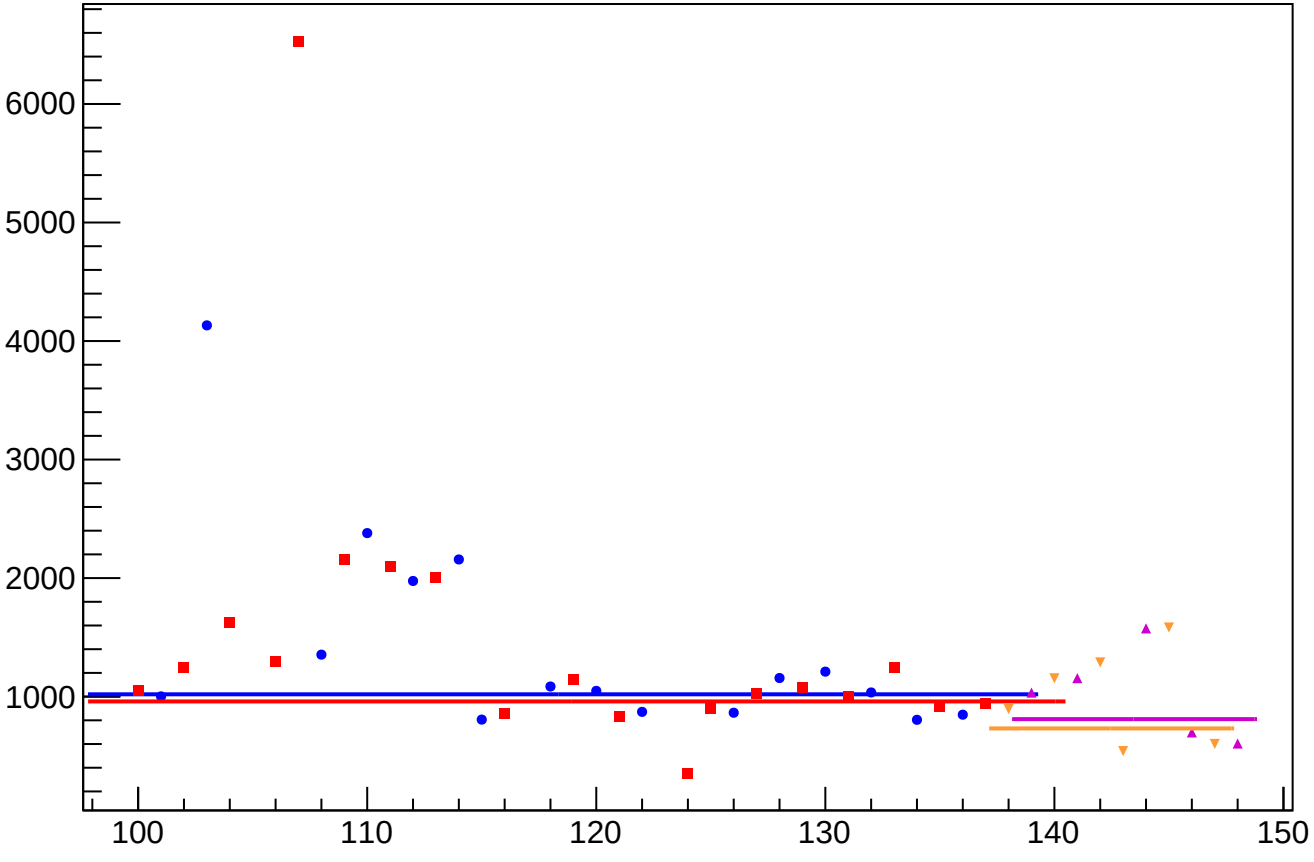
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -6.462+/-289.724 χ^2/NDF:15.8/20

Out: 33.344+/-272.494 χ^2/NDF:27.5/24

All: 14.660+/-198.494 χ^2/NDF: 43.4/45

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.615+/-0.264 χ^2/NDF:1161991.5/5

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

Left: 766.723+/-0.196 χ^2/NDF: 2089810.8/10

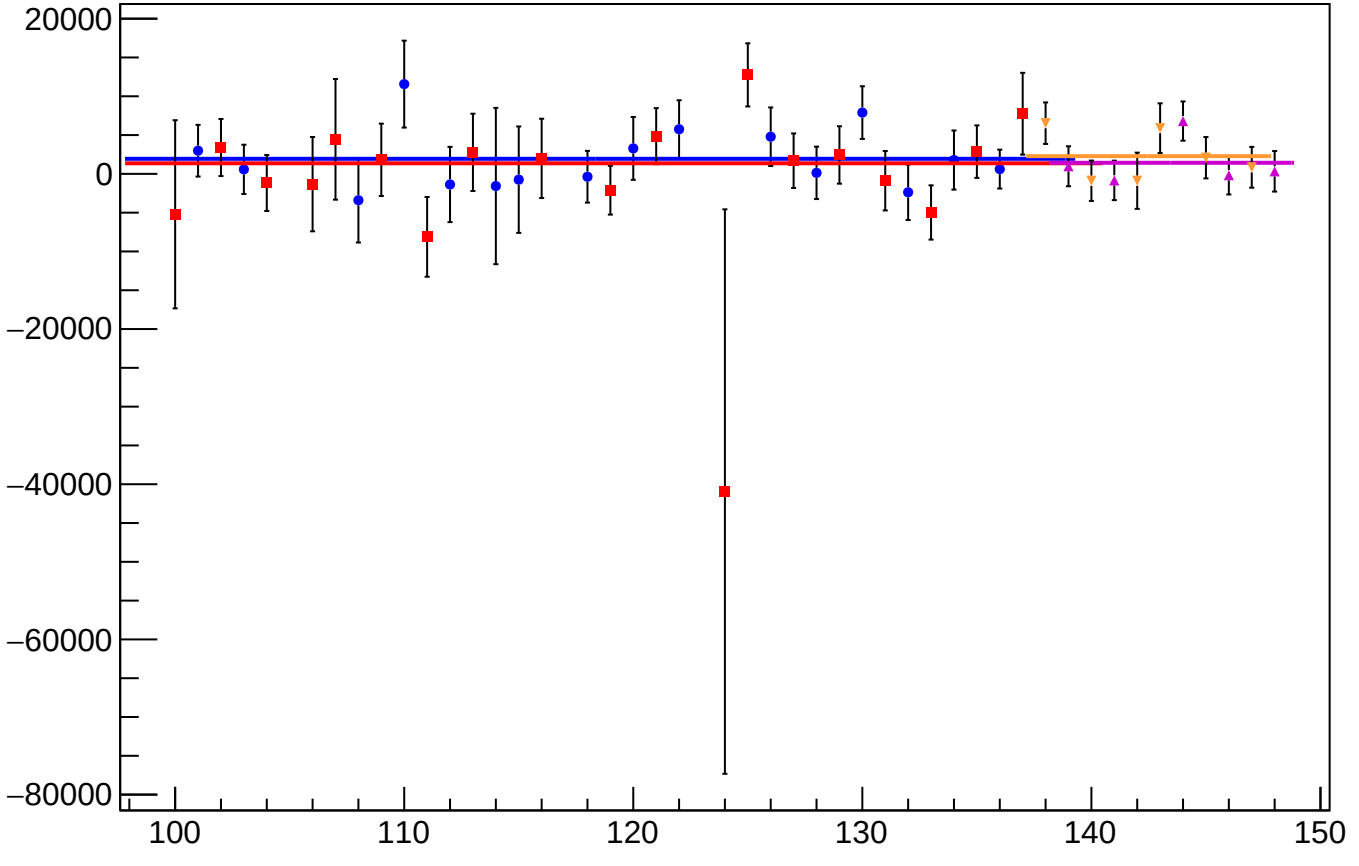
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 916.836+/-0.205 χ^2/NDF:2514329.5/20

Out: 837.653+/-0.193 χ^2/NDF:3853990.5/24

All: 874.820+/-0.140 χ^2/NDF: 6447590.4/45

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2280.954+/-1156.965 χ^2/NDF:6.4/5

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1427.096+/-1139.140 χ^2/NDF:5.9/4

Left: 1847.397+/-811.722 χ^2/NDF: 12.6/10

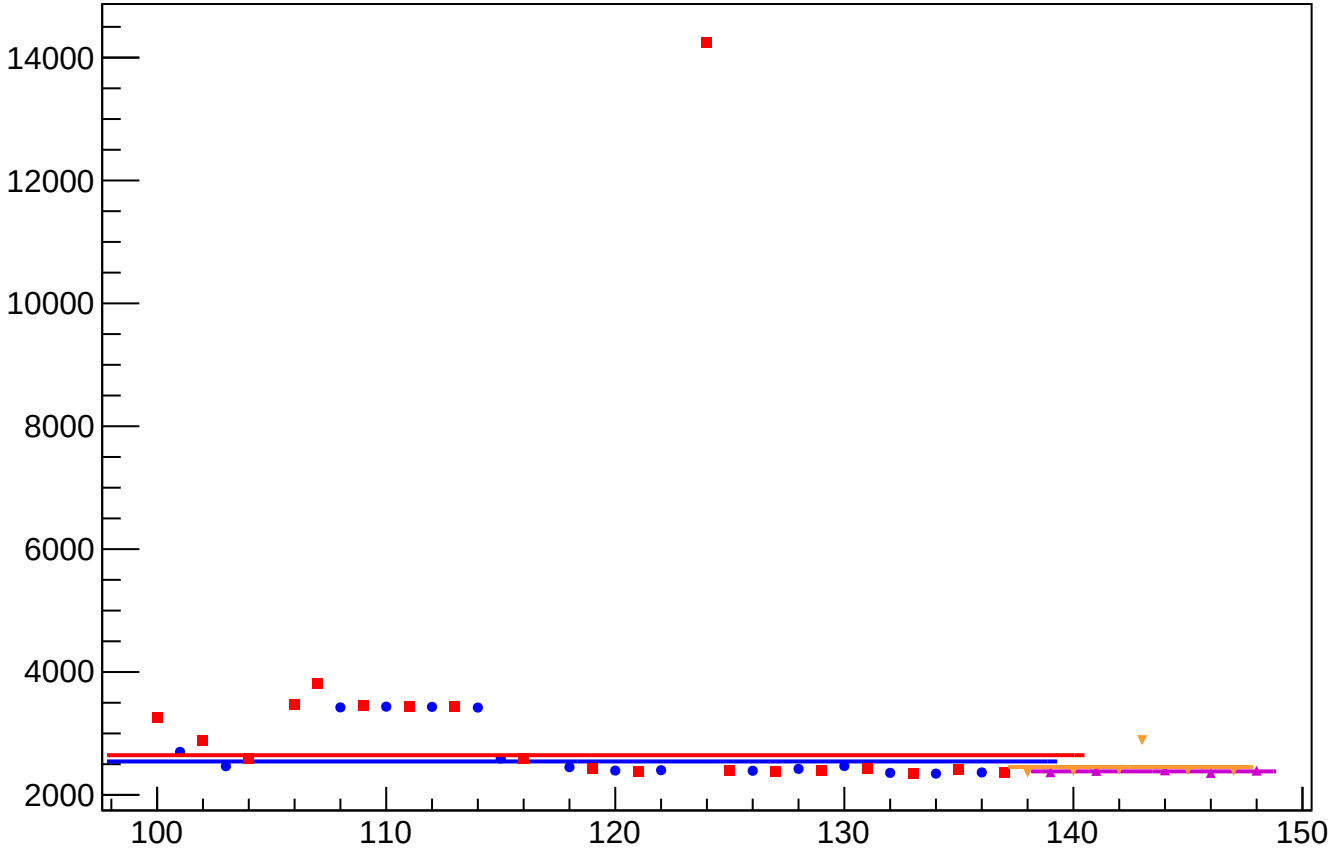
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1728.947+/-730.732 χ^2/NDF:18.3/20

Out: 1748.995+/-750.190 χ^2/NDF:28.4/24

All: 1738.707+/-523.449 χ^2/NDF: 46.7/45

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

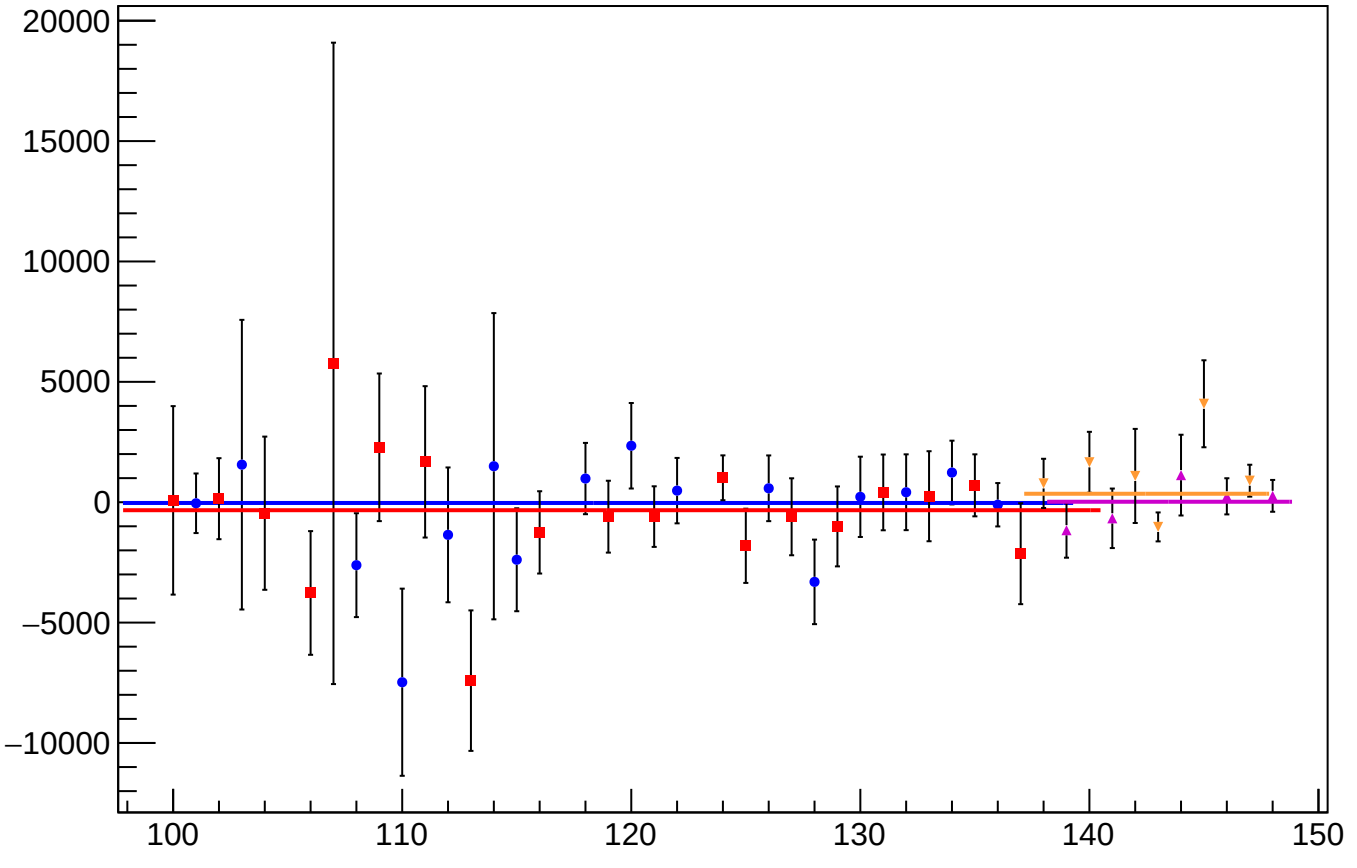
Left: 2417.900+/-0.574 χ^2/NDF: 47342.1/10

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2477.875+/-0.517 χ^2/NDF:249773.6/20

Out: 2565.478+/-0.530 χ^2/NDF:614492.7/24

All: 2520.526+/-0.370 χ^2/NDF: 878260.9/45



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 351.657+/-372.765 χ^2/NDF:11.6/5

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 19.333+/-413.860 χ^2/NDF:2.0/4

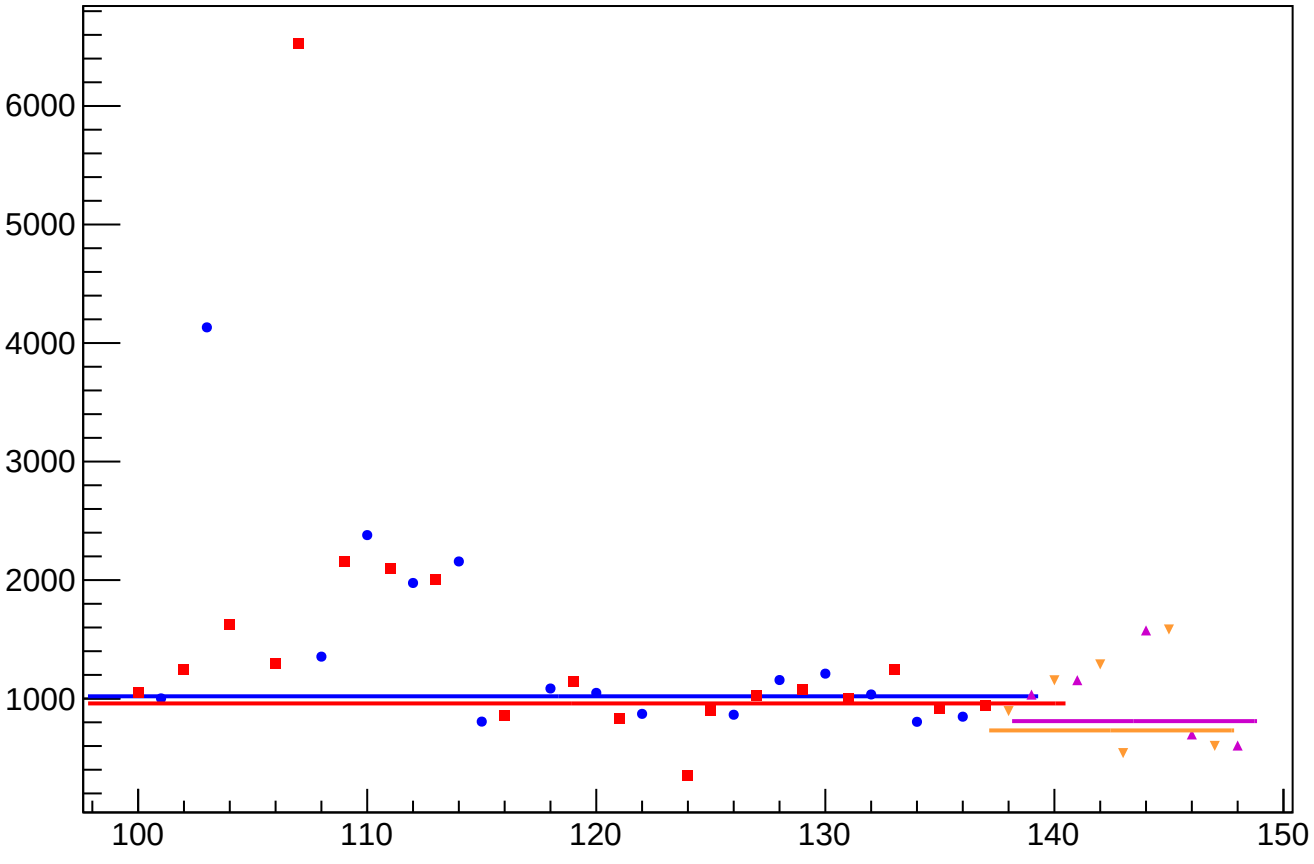
Left: 202.809+/-276.977 χ^2/NDF: 14.0/10

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -6.462+/-289.724 χ^2/NDF:15.8/20

Out: 33.344+/-272.494 χ^2/NDF:27.5/24

All: 14.660+/-198.494 χ^2/NDF: 43.4/45



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.615+/-0.264 χ^2/NDF:1161991.5/5

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

Left: 766.723+/-0.196 χ^2/NDF: 2089810.8/10

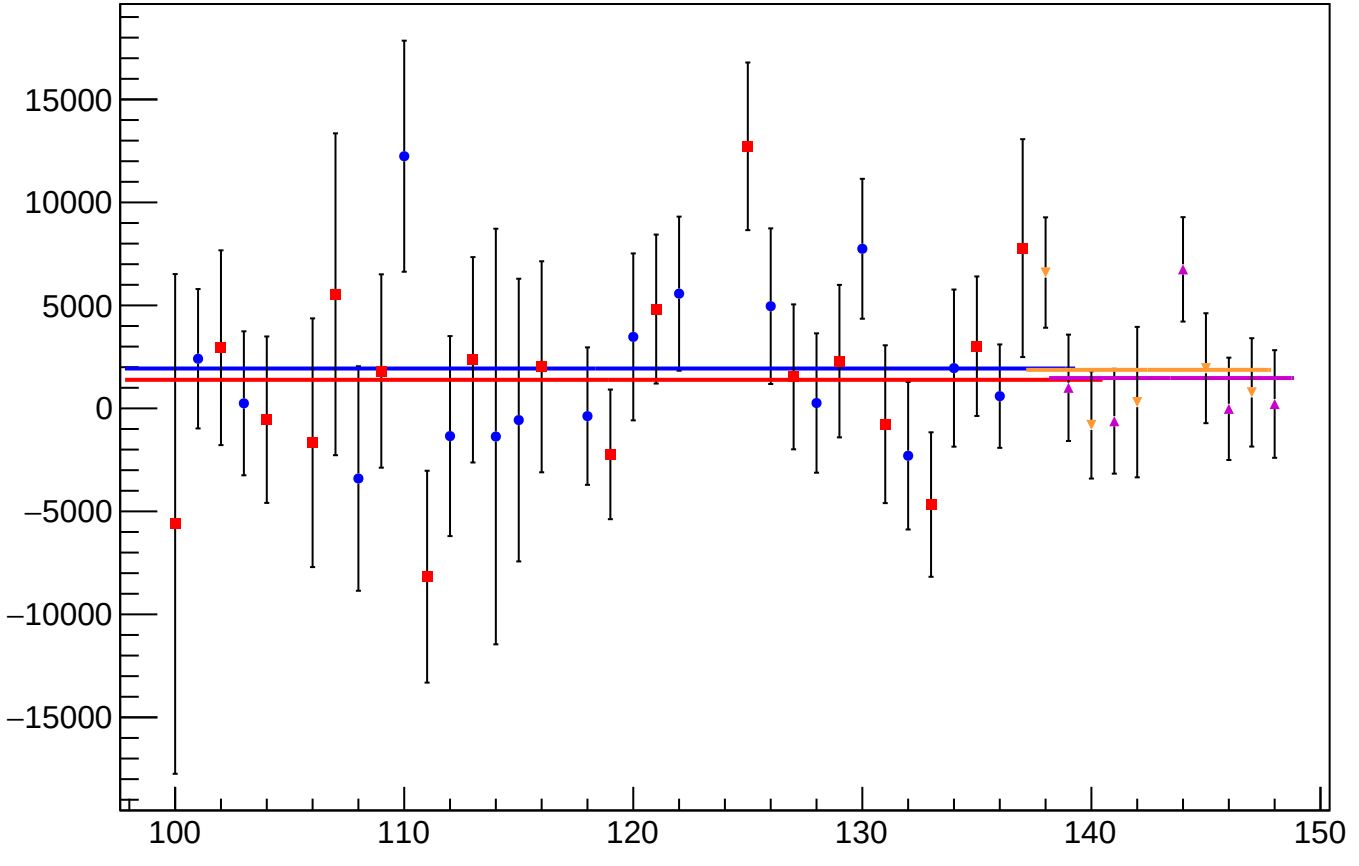
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 916.836+/-0.205 χ^2/NDF:2514329.5/20

Out: 837.653+/-0.193 χ^2/NDF:3853990.5/24

All: 874.820+/-0.140 χ^2/NDF: 6447590.4/45

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1870.643+/-1243.656 χ^2/NDF:4.5/4

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1473.038+/-1140.645 χ^2/NDF:5.6/4

Left: 1654.694+/-840.620 χ^2/NDF: 10.2/9

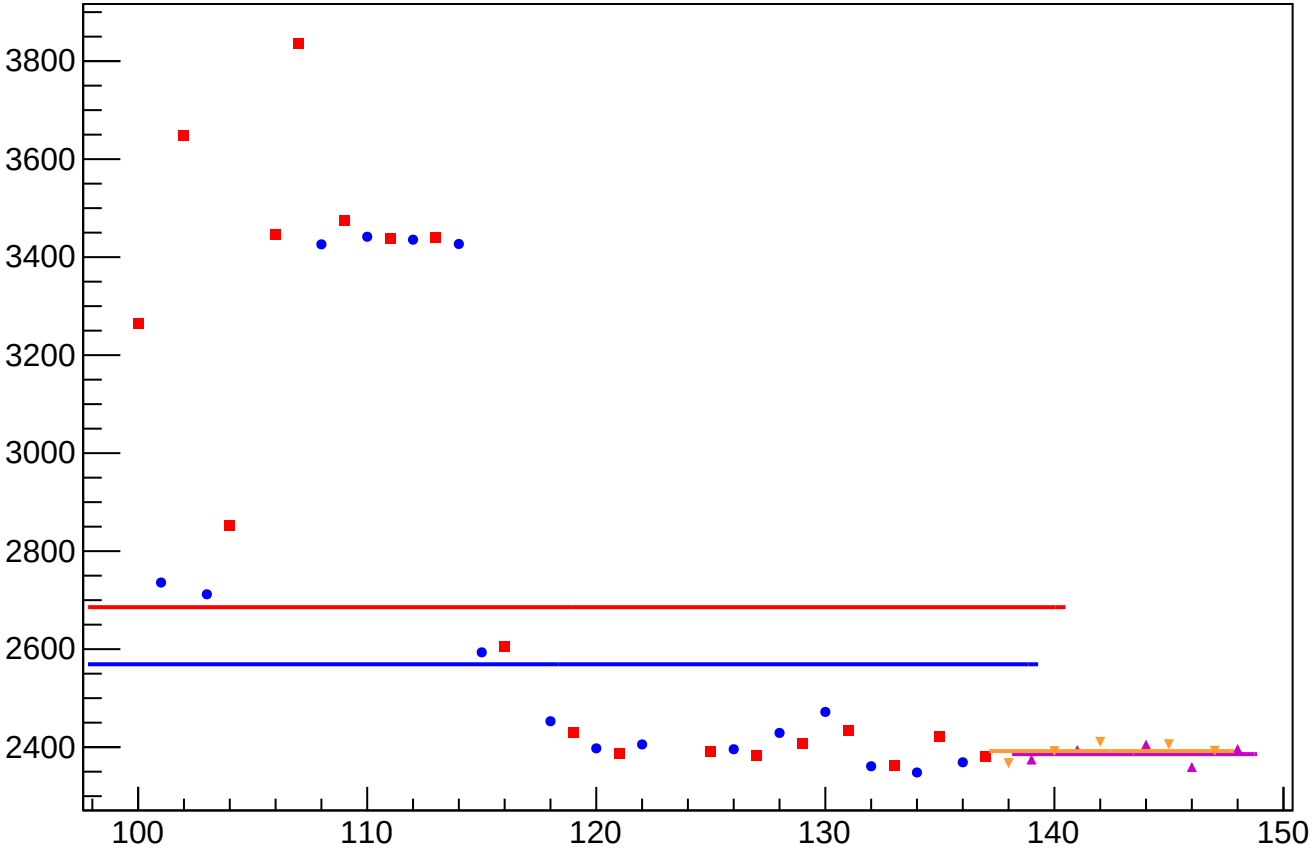
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1743.491+/-735.525 χ^2/NDF:18.1/20

Out: 1579.336+/-783.601 χ^2/NDF:24.4/22

All: 1666.603+/-536.286 χ^2/NDF: 42.5/43

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.970+/-0.879 χ^2/NDF:277.0/4

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

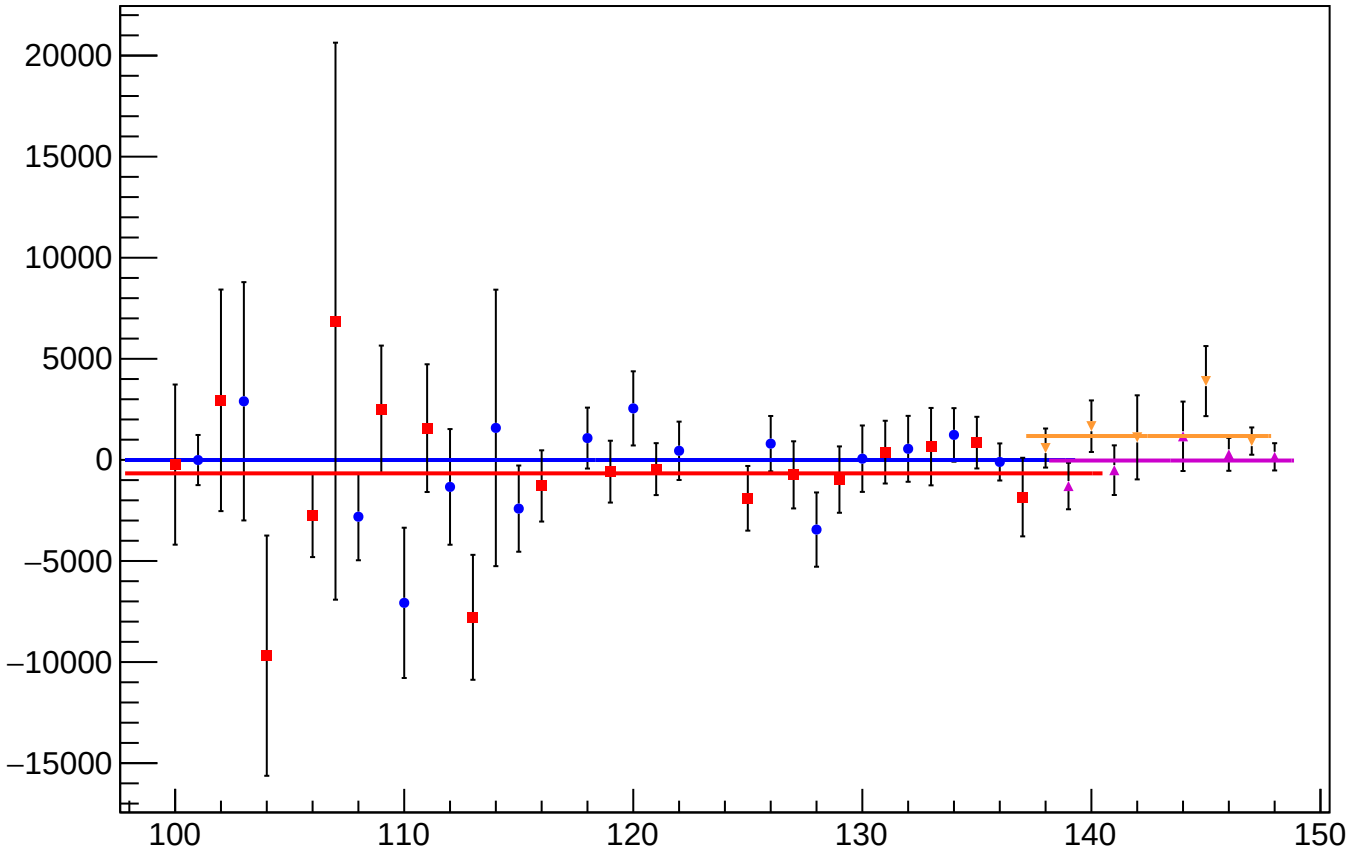
Left: 2388.633+/-0.594 χ^2/NDF: 736.2/9

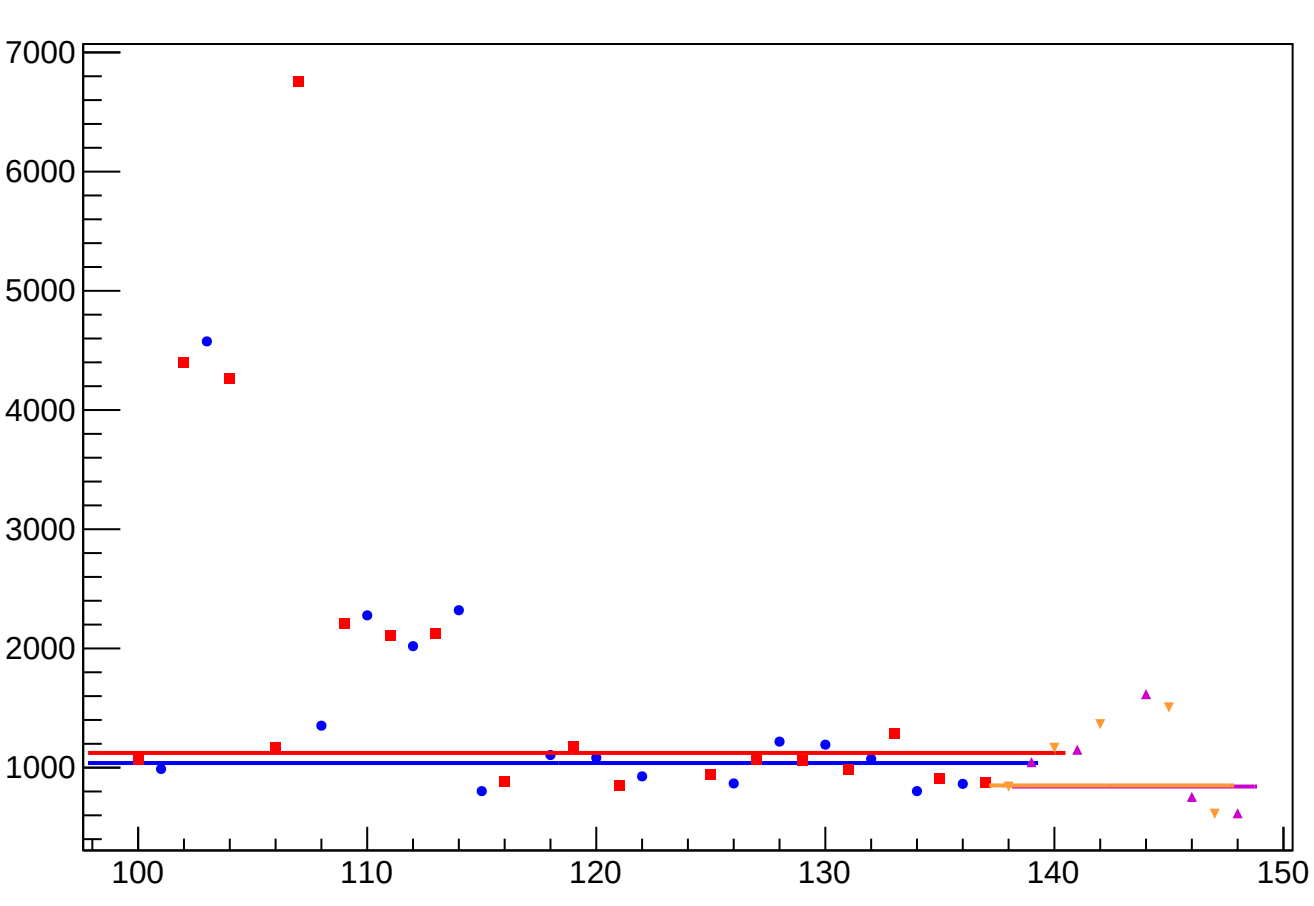
Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2492.910+/-0.520 χ^2/NDF:260094.0/20

Out: 2569.074+/-0.554 χ^2/NDF:486803.7/22

All: 2528.584+/-0.379 χ^2/NDF: 756942.3/43


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 1181.290+/-474.309 χ²/NDF:3.1/4
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: -30.899+/-427.802 χ²/NDF:2.1/4
Left: 512.869+/-317.675 χ²/NDF: 8.8/9
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -17.558+/-296.850 χ²/NDF:16.6/20
Out: 230.412+/-330.401 χ²/NDF:25.3/22
All: 93.201+/-220.817 χ²/NDF: 42.2/43



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 850.522+/-0.335 χ^2/NDF:777414.4/4

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 841.439+/-0.303 χ^2/NDF:841360.8/4

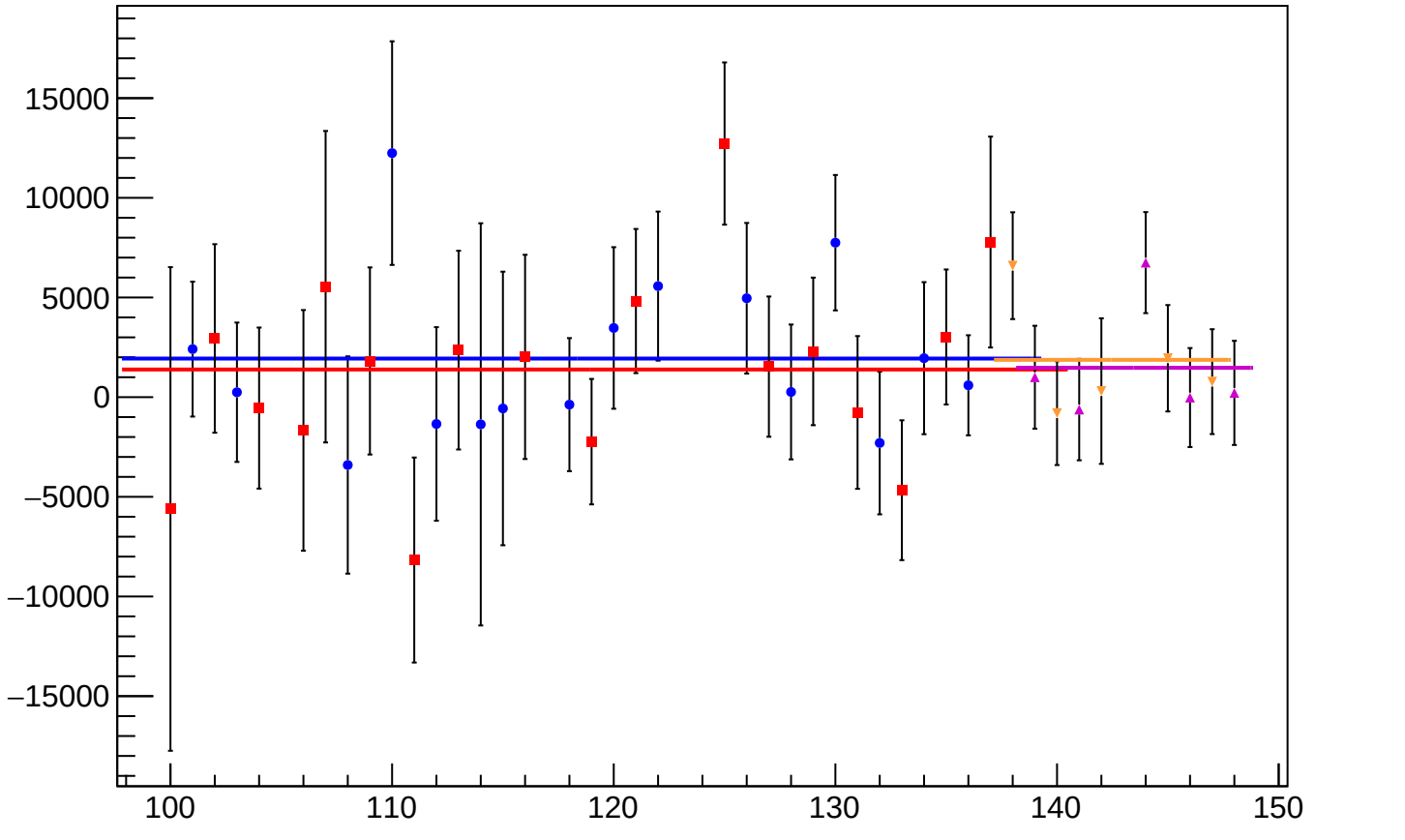
Left: 845.513+/-0.225 χ^2/NDF: 1619179.7/9

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 943.774+/-0.210 χ^2/NDF:2601809.9/20

Out: 991.026+/-0.234 χ^2/NDF:3653867.2/22

All: 964.880+/-0.156 χ^2/NDF: 6278311.9/43



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1870.647+/-1243.656 χ^2/NDF:4.5/4

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1473.037+/-1140.645 χ^2/NDF:5.6/4

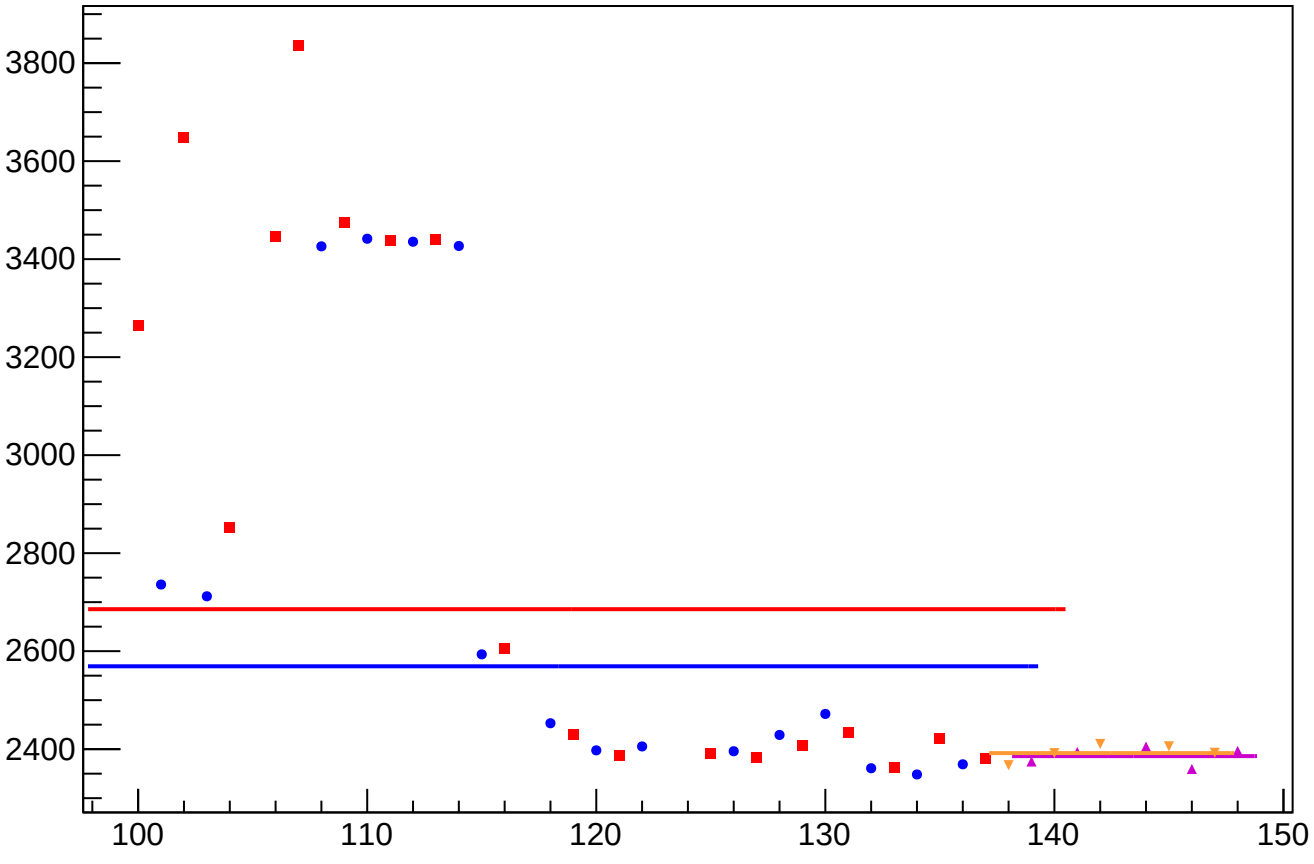
Left: 1654.696+/-840.620 χ^2/NDF: 10.2/9

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1743.489+/-735.525 χ^2/NDF:18.1/20

Out: 1579.336+/-783.601 χ^2/NDF:24.4/22

All: 1666.602+/-536.286 χ^2/NDF: 42.5/43



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.970+/-0.879 χ^2/NDF:277.0/4

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

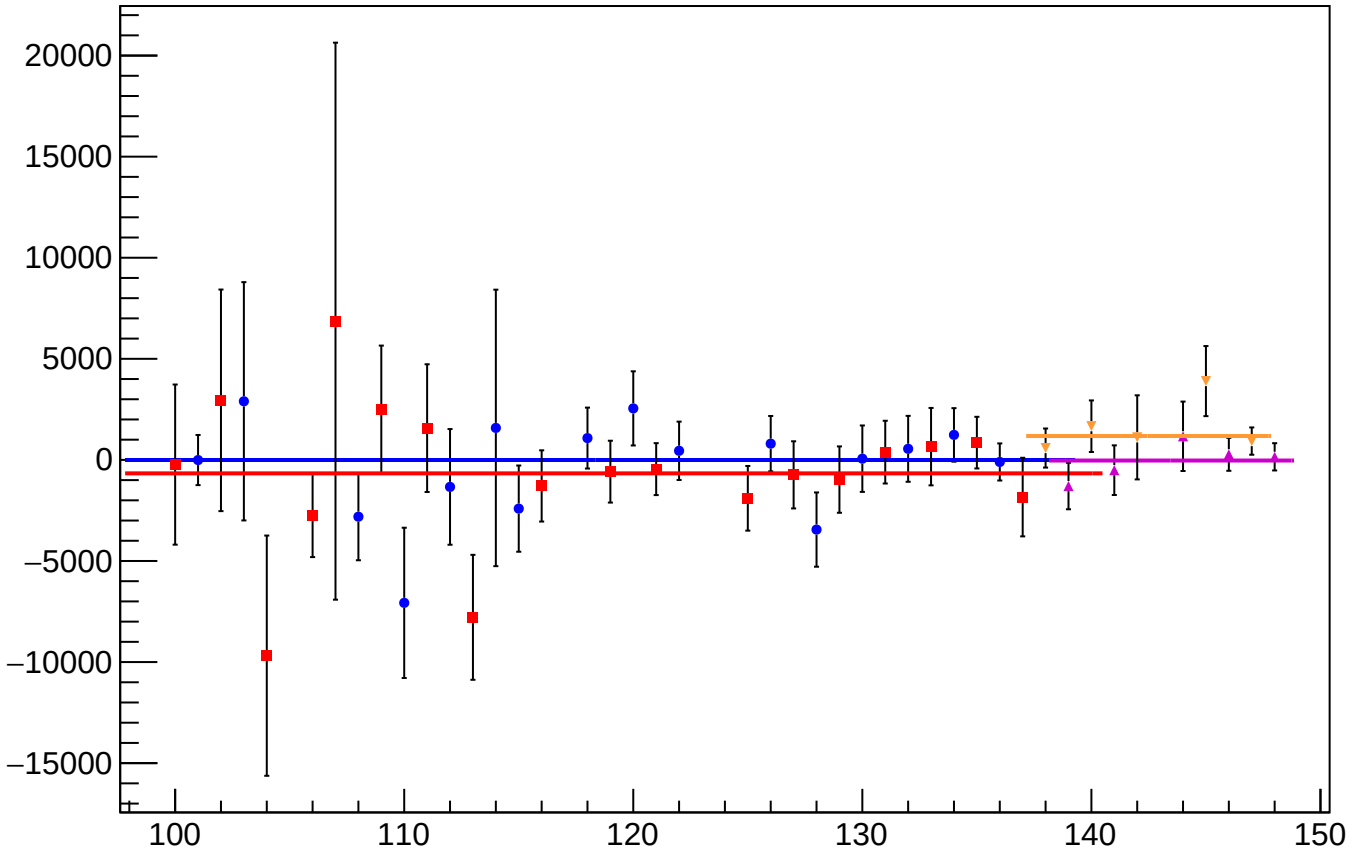
Left: 2388.633+/-0.594 χ^2/NDF: 736.2/9

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2492.910+/-0.520 χ^2/NDF:260093.6/20

Out: 2569.074+/-0.554 χ^2/NDF:486802.9/22

All: 2528.584+/-0.379 χ^2/NDF: 756941.2/43



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1181.291+/-474.310 χ^2/NDF:3.1/4

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -30.900+/-427.803 χ^2/NDF:2.1/4

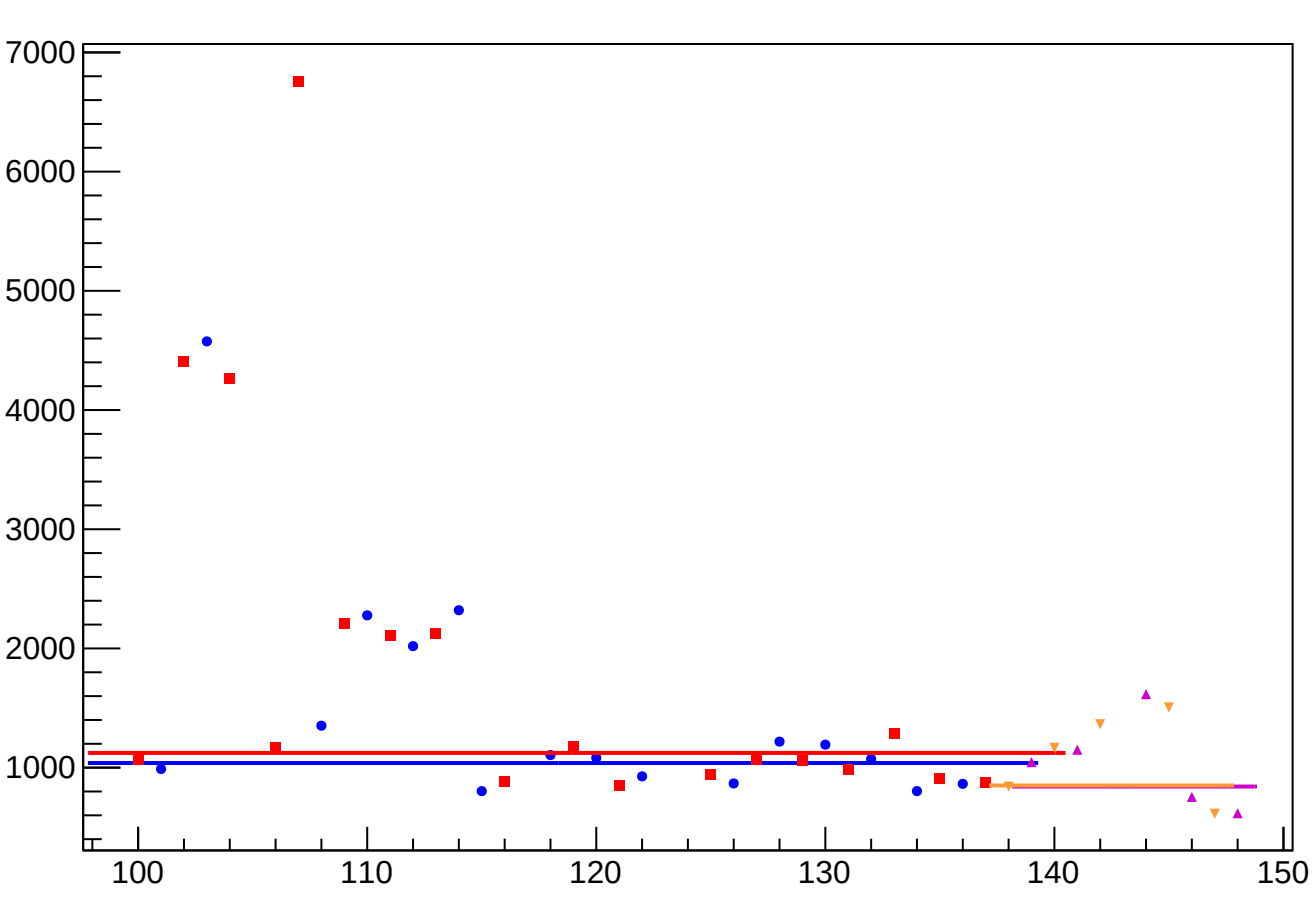
Left: 512.869+/-317.675 χ^2/NDF: 8.8/9

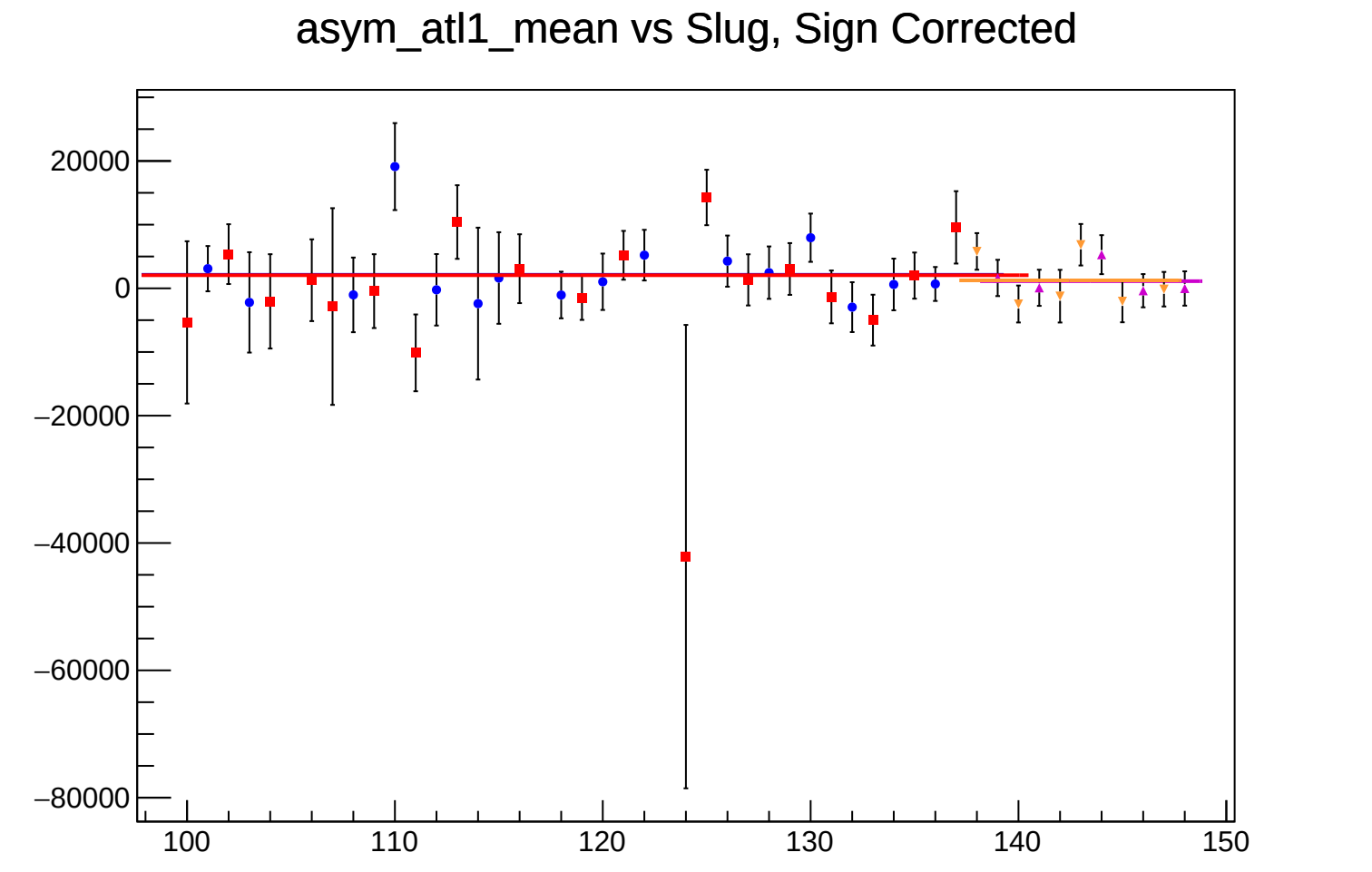
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -17.559+/-296.850 χ^2/NDF:16.6/20

Out: 230.411+/-330.402 χ^2/NDF:25.3/22

All: 93.200+/-220.817 χ^2/NDF: 42.2/43


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 850.524+/-0.335 χ²/NDF:777412.4/4
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 841.440+/-0.303 χ²/NDF:841359.0/4
Left: 845.515+/-0.225 χ²/NDF: 1619175.9/9
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 943.775+/-0.210 χ²/NDF:2601799.9/20
Out: 991.027+/-0.234 χ²/NDF:3653860.1/22
All: 964.881+/-0.156 χ²/NDF: 6278294.4/43



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1247.552+/-1269.492 χ^2/NDF:8.7/5

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1124.578+/-1251.501 χ^2/NDF:2.5/4

Left: 1185.188+/-891.237 χ^2/NDF: 11.2/10

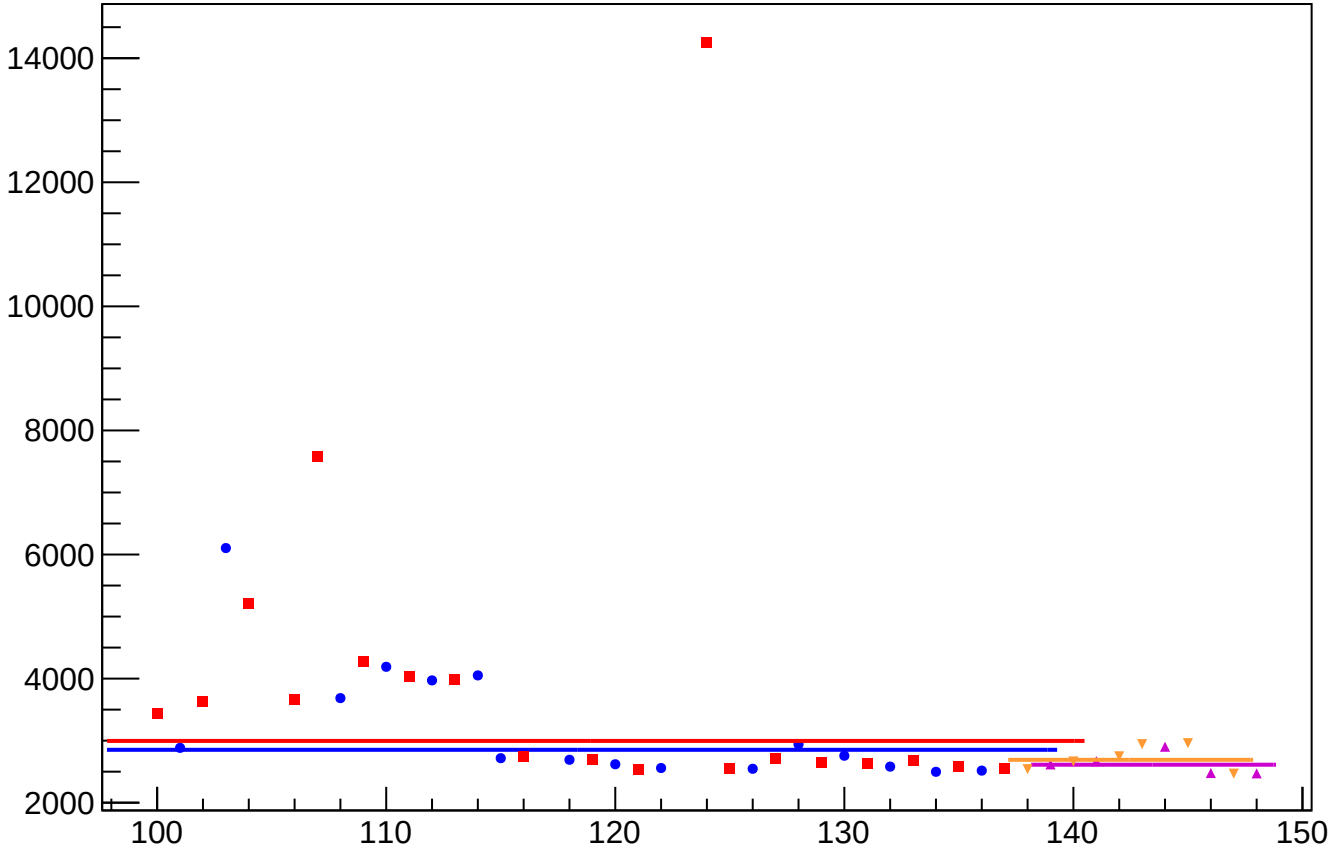
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1694.137+/-819.674 χ^2/NDF:16.3/20

Out: 1698.295+/-846.882 χ^2/NDF:33.3/24

All: 1696.148+/-588.981 χ^2/NDF: 49.5/45

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2690.956+/-0.898 χ^2/NDF:44900.4/5

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2612.012+/-0.885 χ^2/NDF:29360.7/4

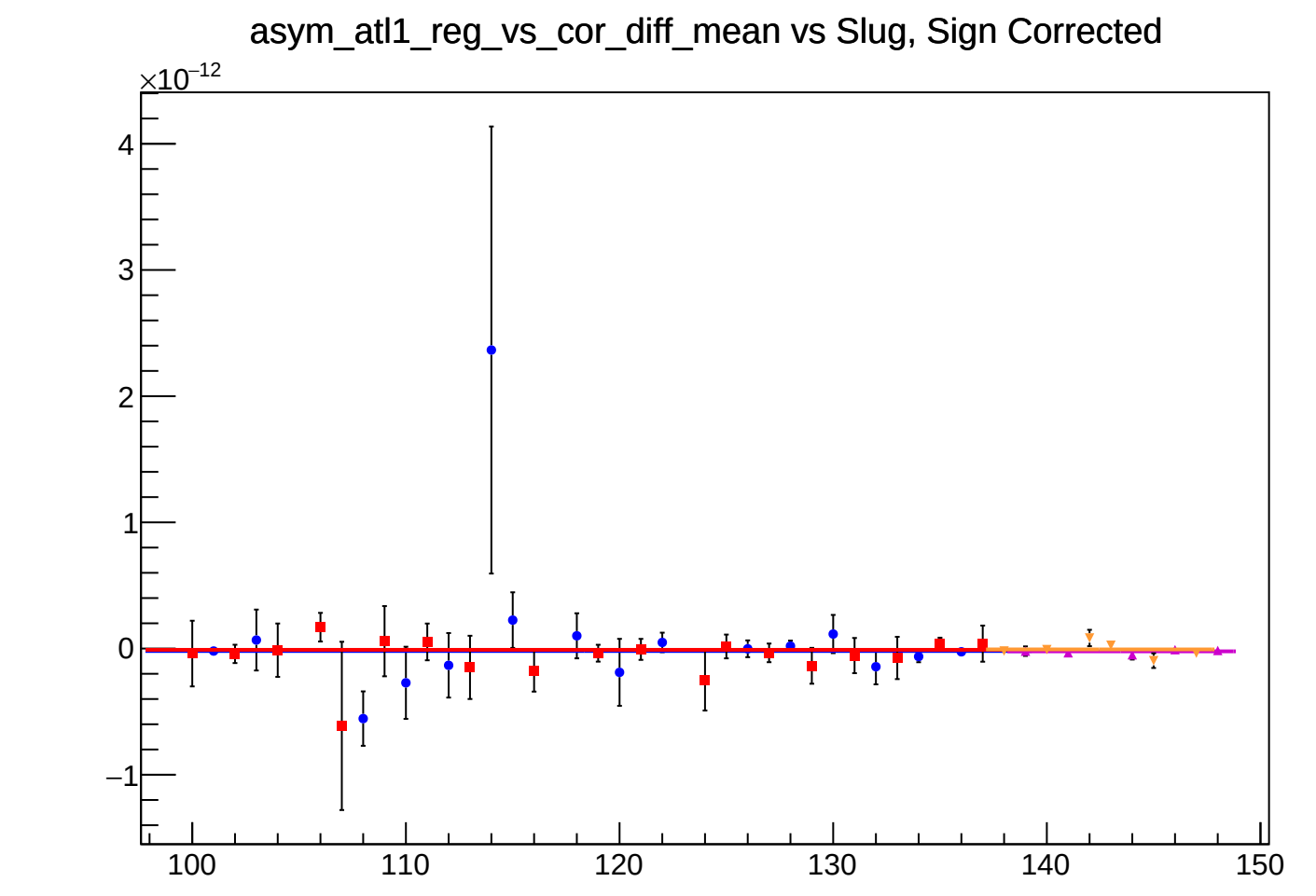
Left: 2650.920+/-0.630 χ^2/NDF: 78183.3/10

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2749.171+/-0.580 χ^2/NDF:720144.3/20

Out: 2859.984+/-0.599 χ^2/NDF:1087956.4/24

All: 2802.769+/-0.416 χ^2/NDF: 1825780.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/4

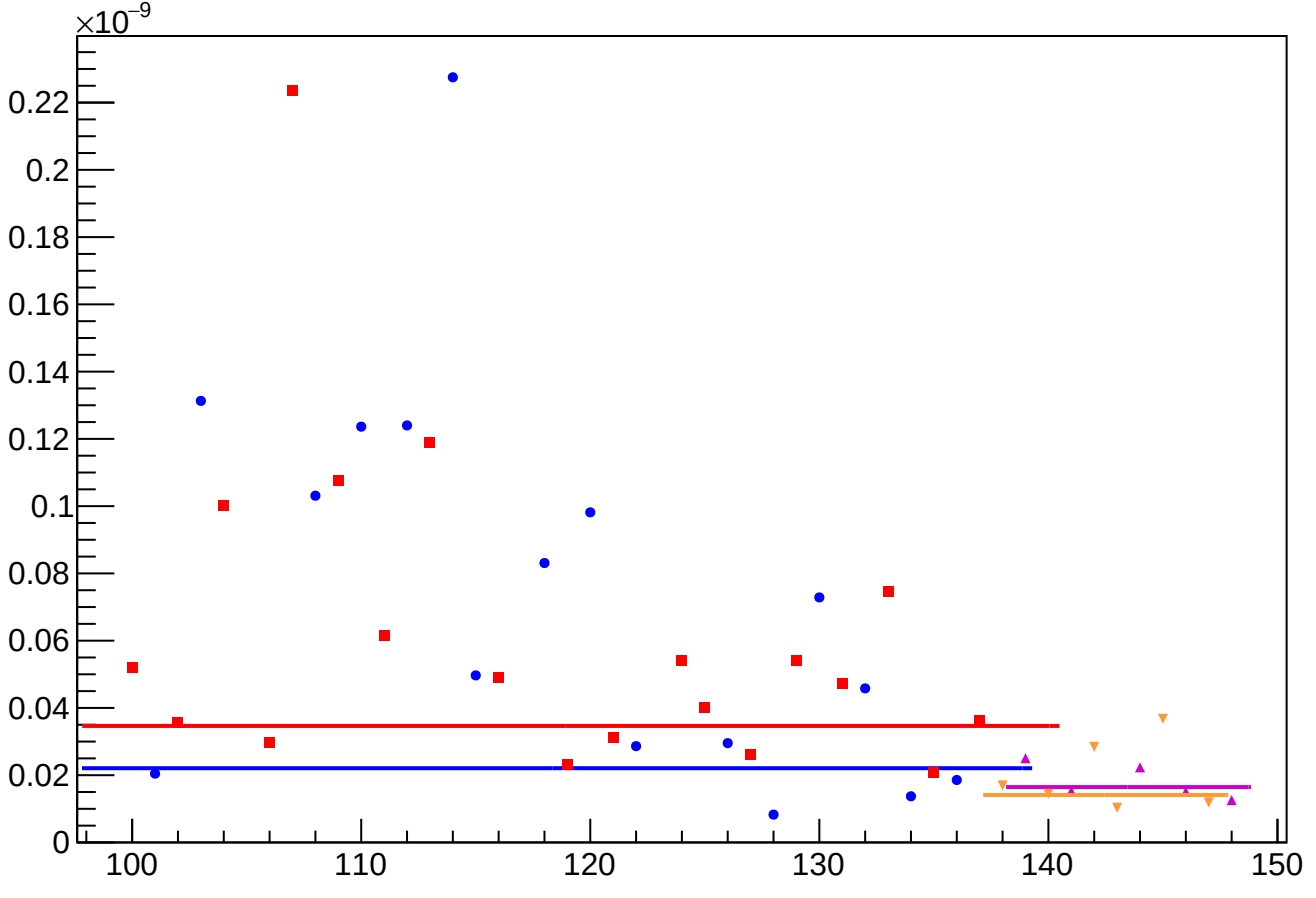
Left: -0.000+/-0.000 χ^2/NDF: 11.0/10

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:16.4/20

Out: -0.000+/-0.000 χ^2/NDF:17.6/24

All: -0.000+/-0.000 χ^2/NDF: 34.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:523934.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:214221.5/4

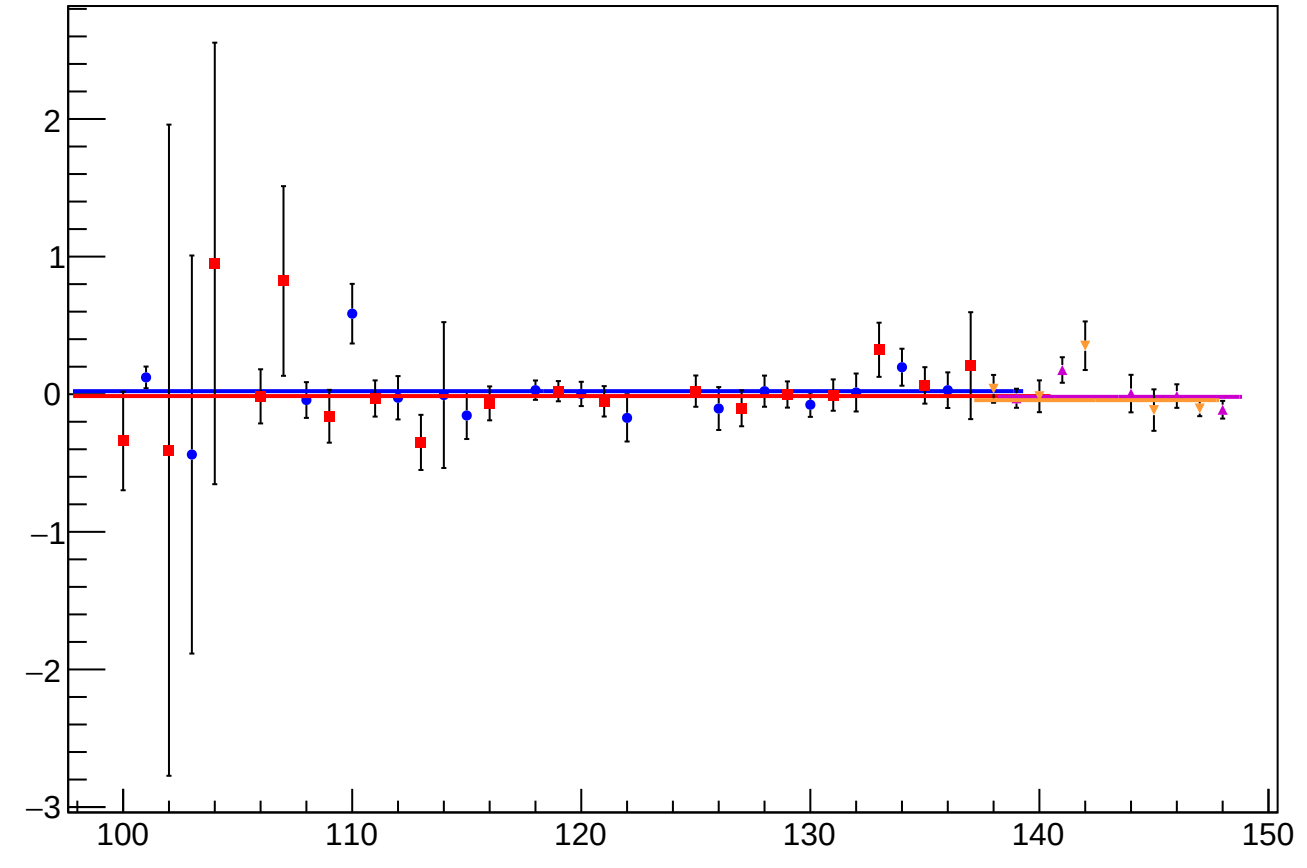
Left: 0.000+/-0.000 χ^2/NDF: 774739.1/10

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2691531.8/20

Out: 0.000+/-0.000 χ^2/NDF:2938662.7/24

All: 0.000+/-0.000 χ^2/NDF: 5639108.1/45



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

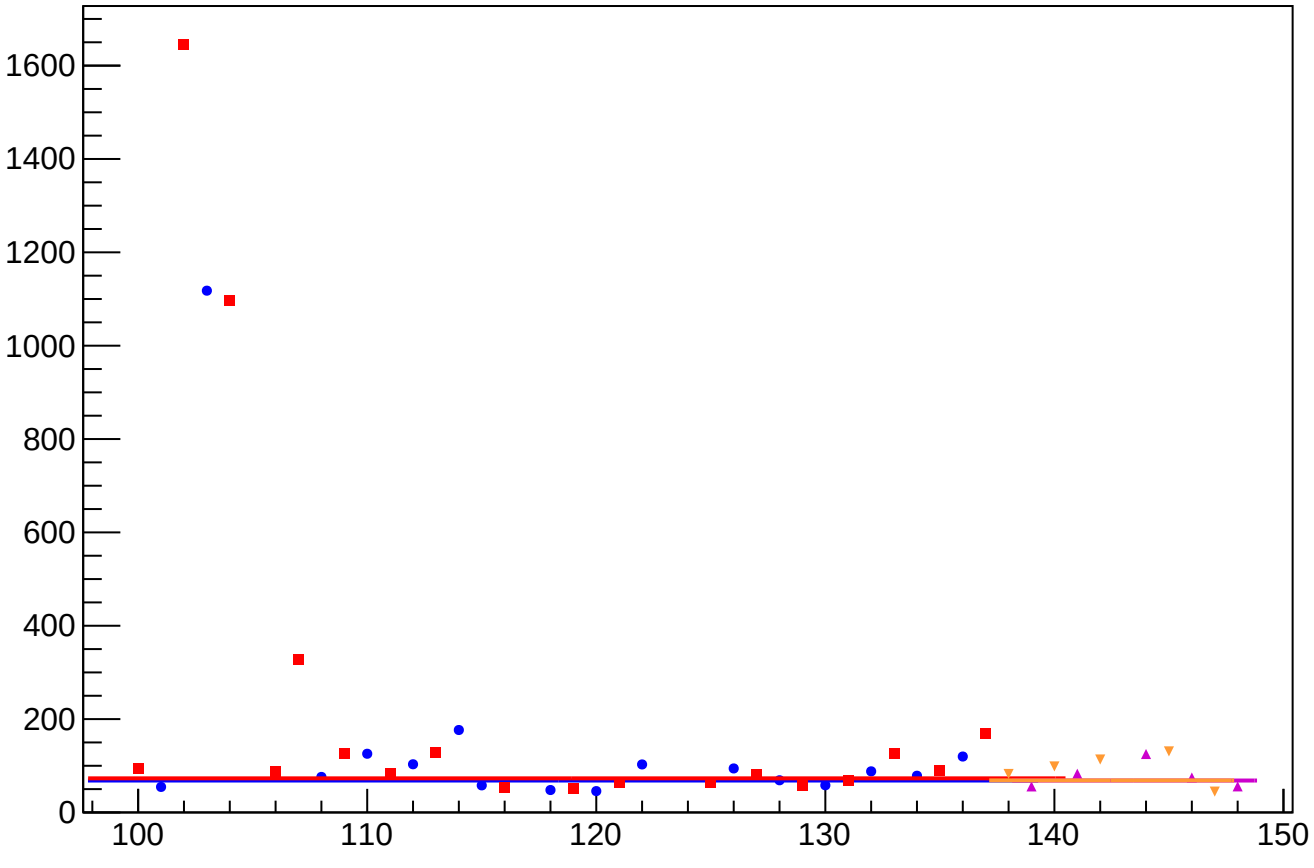
Left: -0.029+/-0.027 χ^2/NDF: 13.9/9

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: -0.008+/-0.017 χ^2/NDF: 41.2/43



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 68.673+/-0.030 χ^2/NDF:1012209.6/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

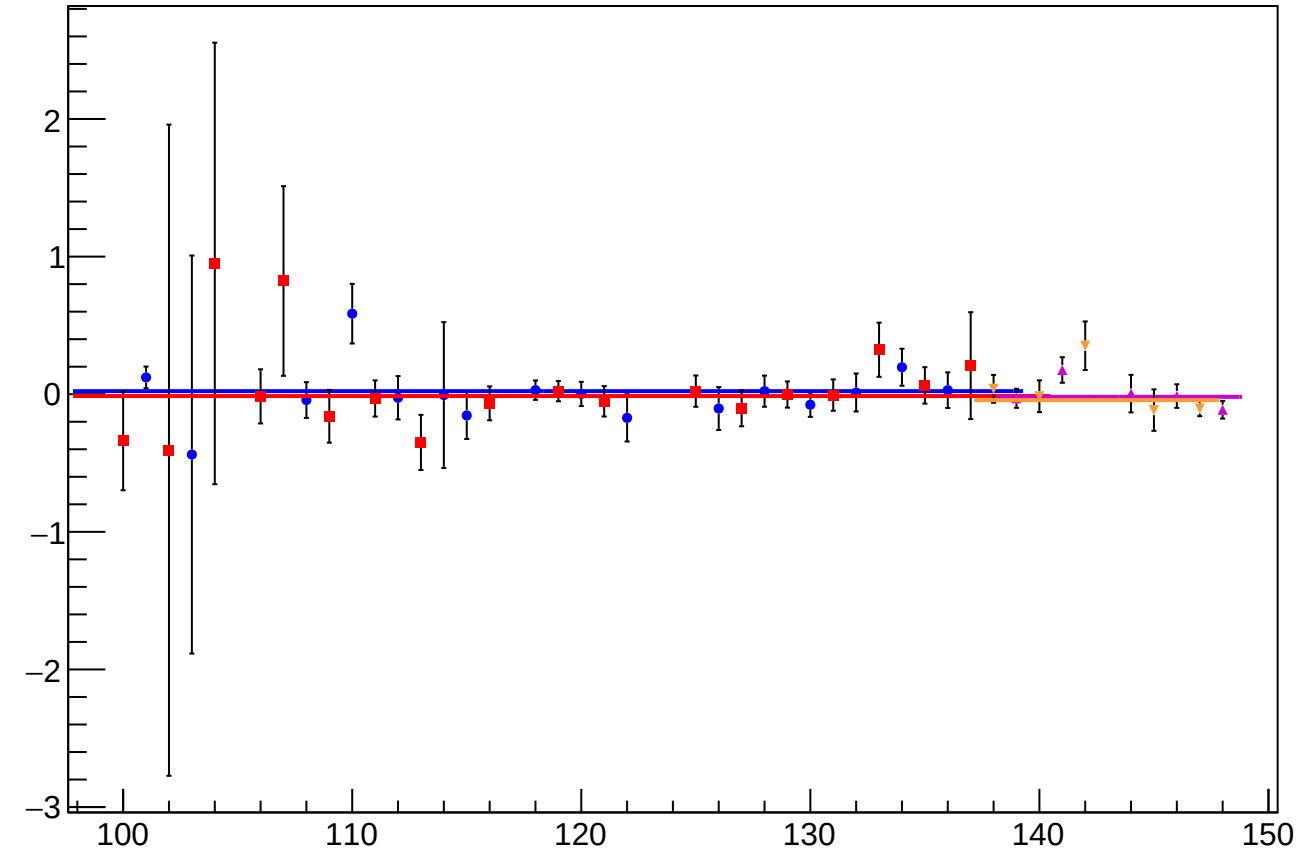
Left: 68.514+/-0.019 χ^2/NDF: 1562645.0/9

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 68.415+/-0.016 χ^2/NDF:2828469.3/20

Out: 71.354+/-0.018 χ^2/NDF:3938841.5/22

All: 69.711+/-0.012 χ^2/NDF: 6781458.3/43



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

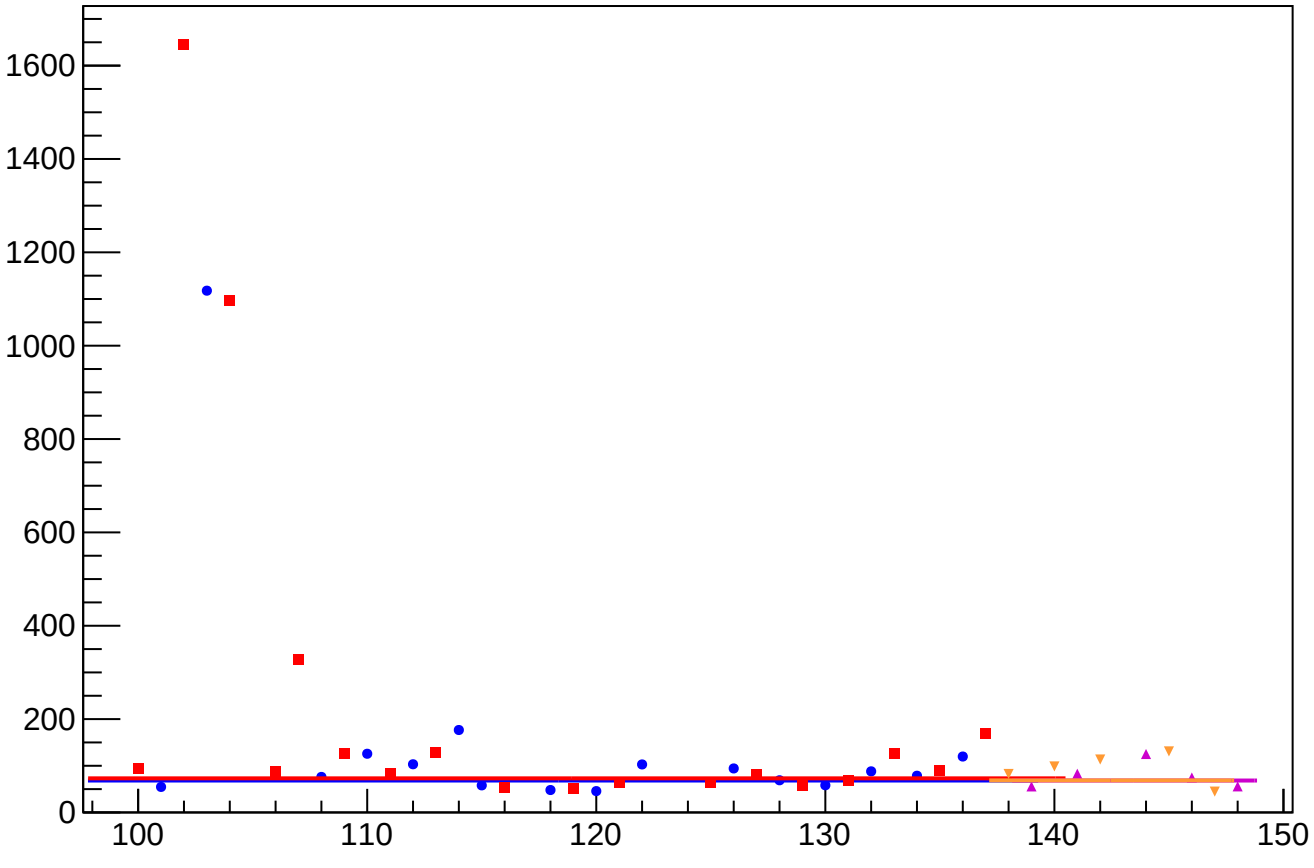
Left: -0.029+/-0.027 χ^2/NDF: 13.9/9

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: -0.008+/-0.017 χ^2/NDF: 41.2/43



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 68.673+/-0.030 χ^2/NDF:1012209.6/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

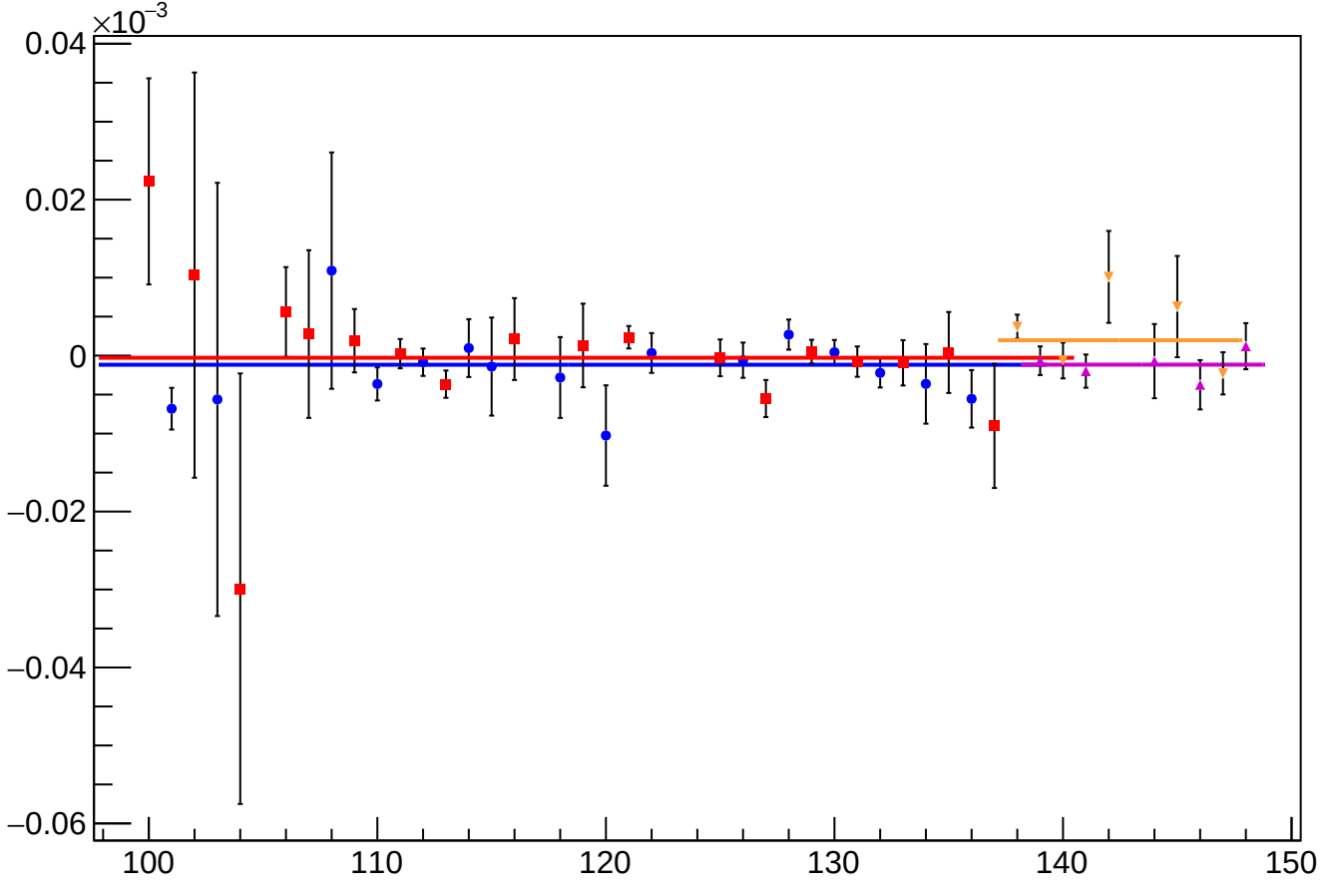
Left: 68.514+/-0.019 χ^2/NDF: 1562645.0/9

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 68.415+/-0.016 χ^2/NDF:2828469.3/20

Out: 71.354+/-0.018 χ^2/NDF:3938841.5/22

All: 69.711+/-0.012 χ^2/NDF: 6781458.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

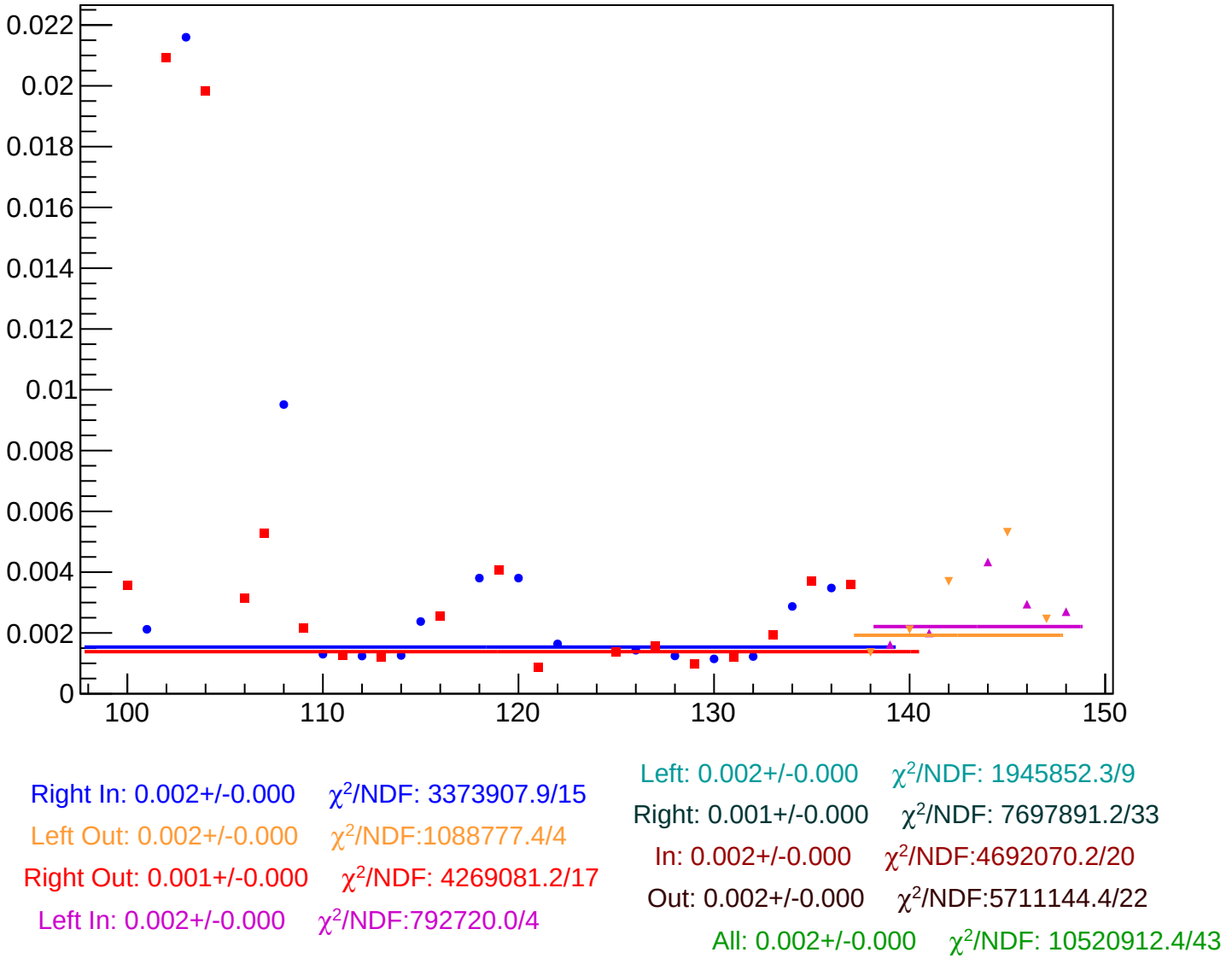
Left: 0.000+/-0.000 χ^2/NDF: 12.7/9

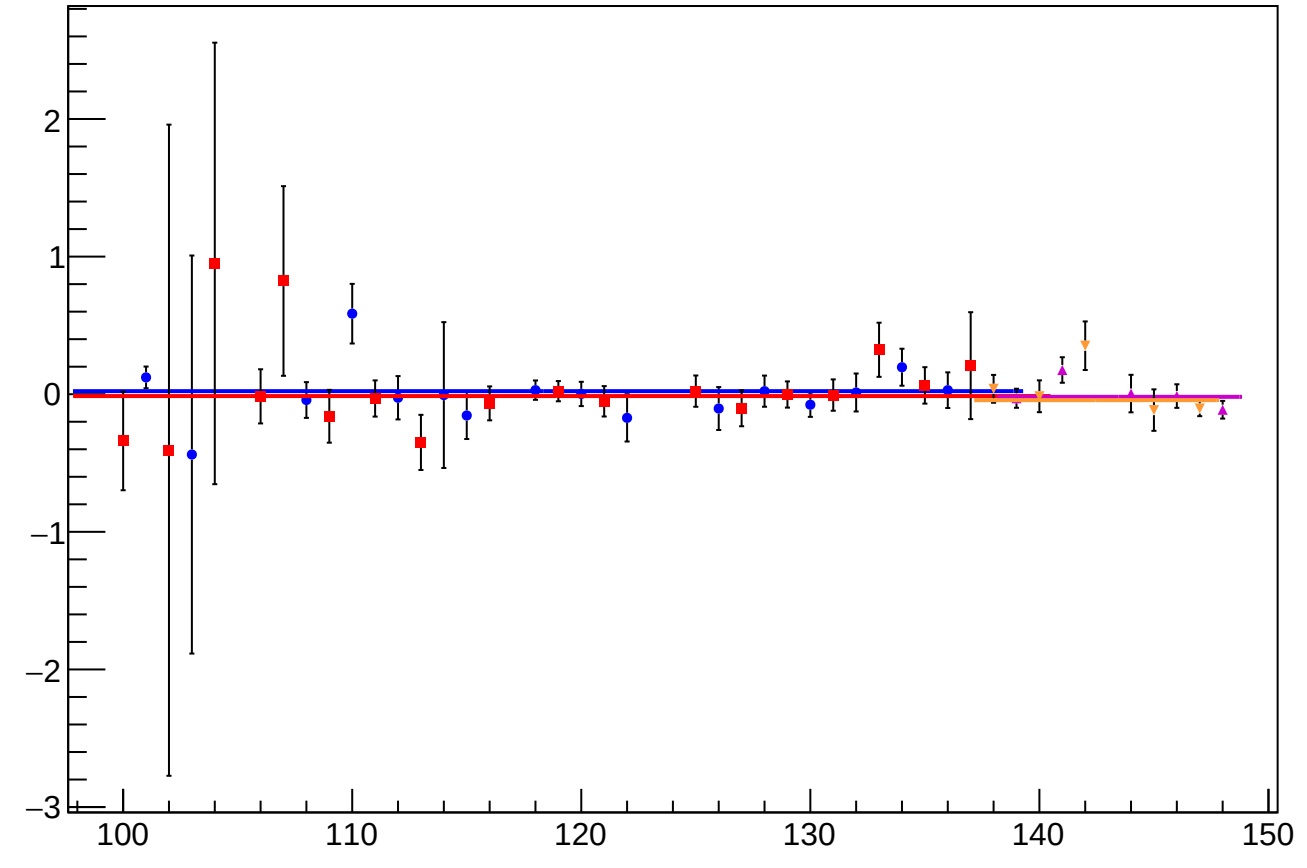
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:17.8/20

Out: 0.000+/-0.000 χ^2/NDF:29.9/22

All: -0.000+/-0.000 χ^2/NDF: 51.0/43


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1088777.4/4
Right Out: 0.001+/-0.000 χ²/NDF: 4269081.2/17
Left In: 0.002+/-0.000 χ²/NDF:792720.0/4
Left: 0.002+/-0.000 χ²/NDF: 1945852.3/9
Right: 0.001+/-0.000 χ²/NDF: 7697891.2/33
In: 0.002+/-0.000 χ²/NDF:4692070.2/20
Out: 0.002+/-0.000 χ²/NDF:5711144.4/22
All: 0.002+/-0.000 χ²/NDF: 10520912.4/43



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

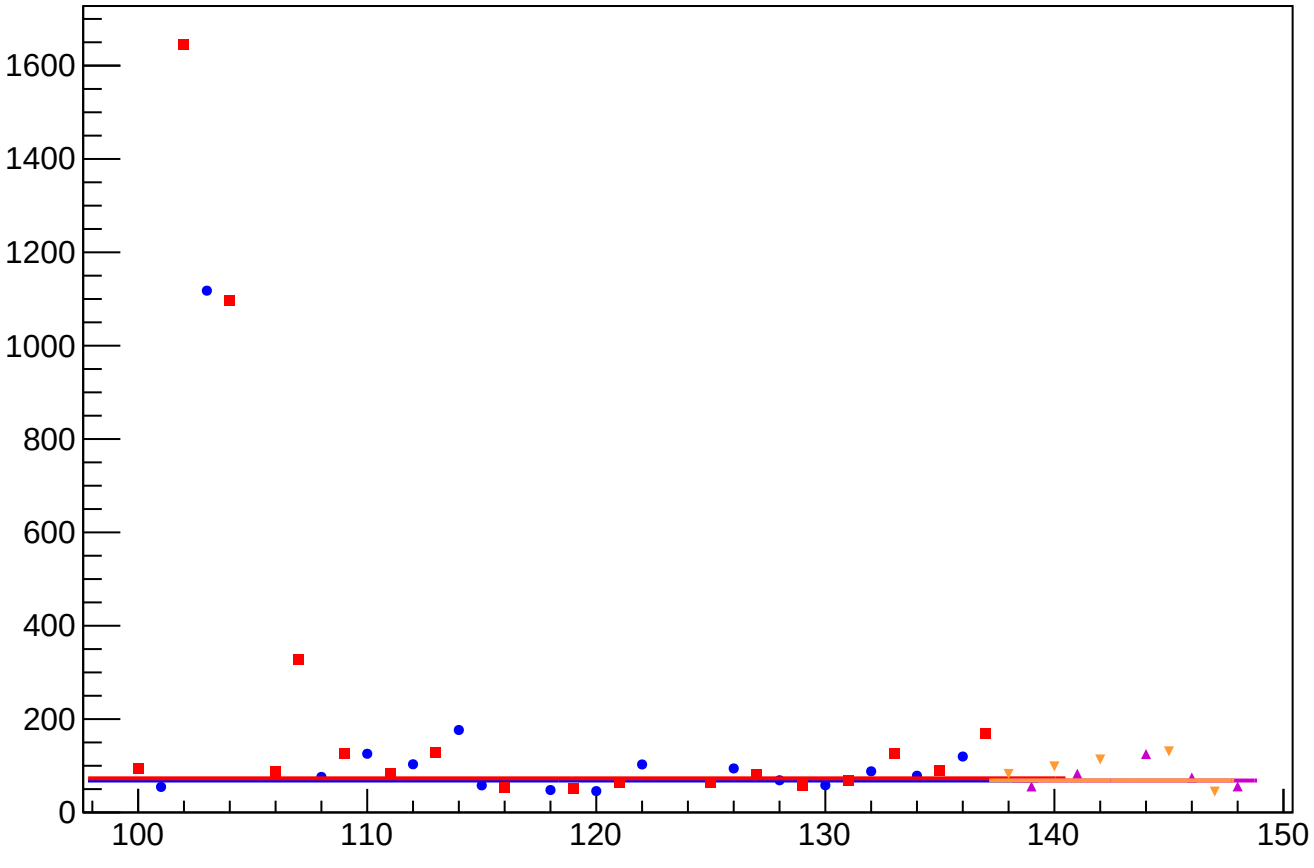
Left: -0.029+/-0.027 χ^2/NDF: 13.9/9

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: -0.008+/-0.017 χ^2/NDF: 41.2/43



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 68.676+/-0.030 χ^2/NDF:1012089.0/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

Left: 68.515+/-0.019 χ^2/NDF: 1562532.7/9

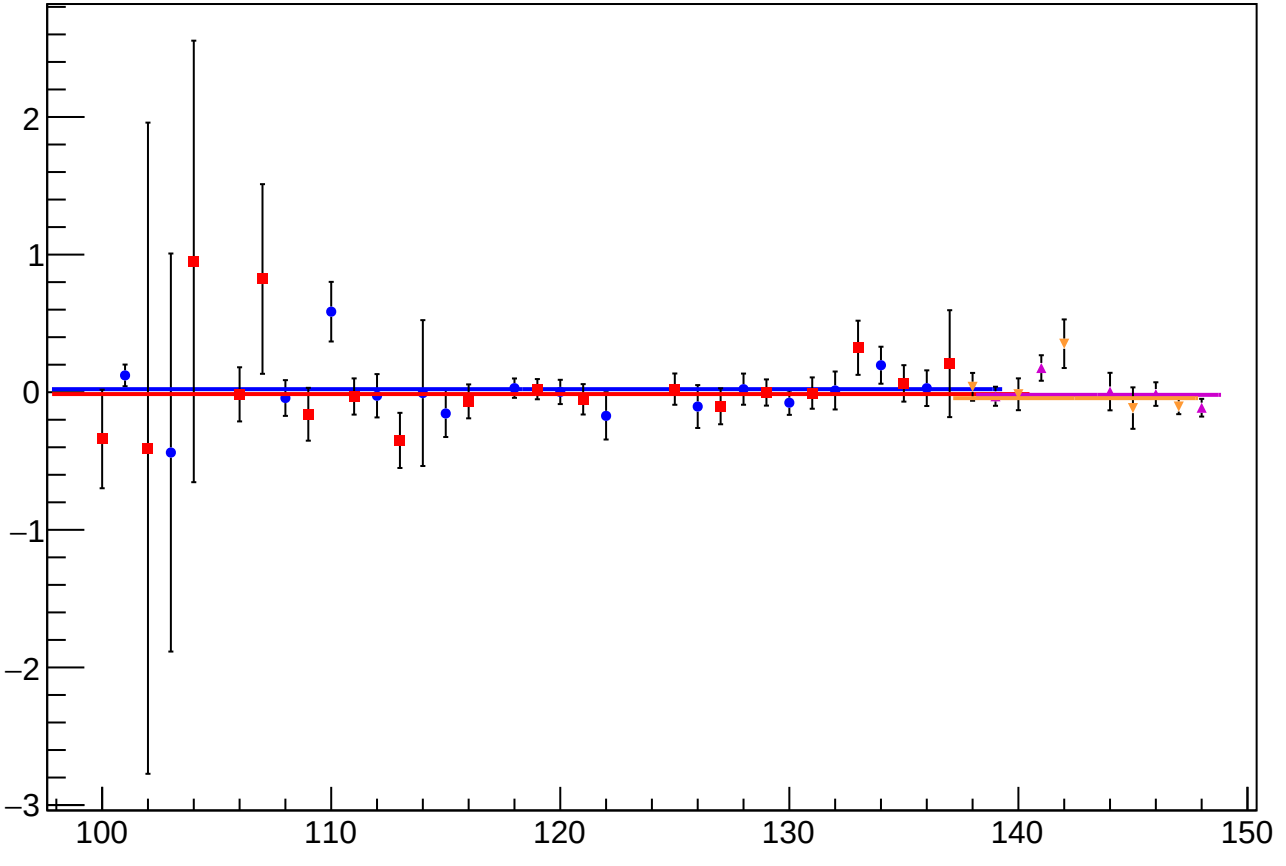
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 68.414+/-0.016 χ^2/NDF:2828561.8/20

Out: 71.355+/-0.018 χ^2/NDF:3938716.8/22

All: 69.711+/-0.012 χ^2/NDF: 6781438.7/43

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: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

Left: -0.029+/-0.027 χ^2/NDF: 13.9/9

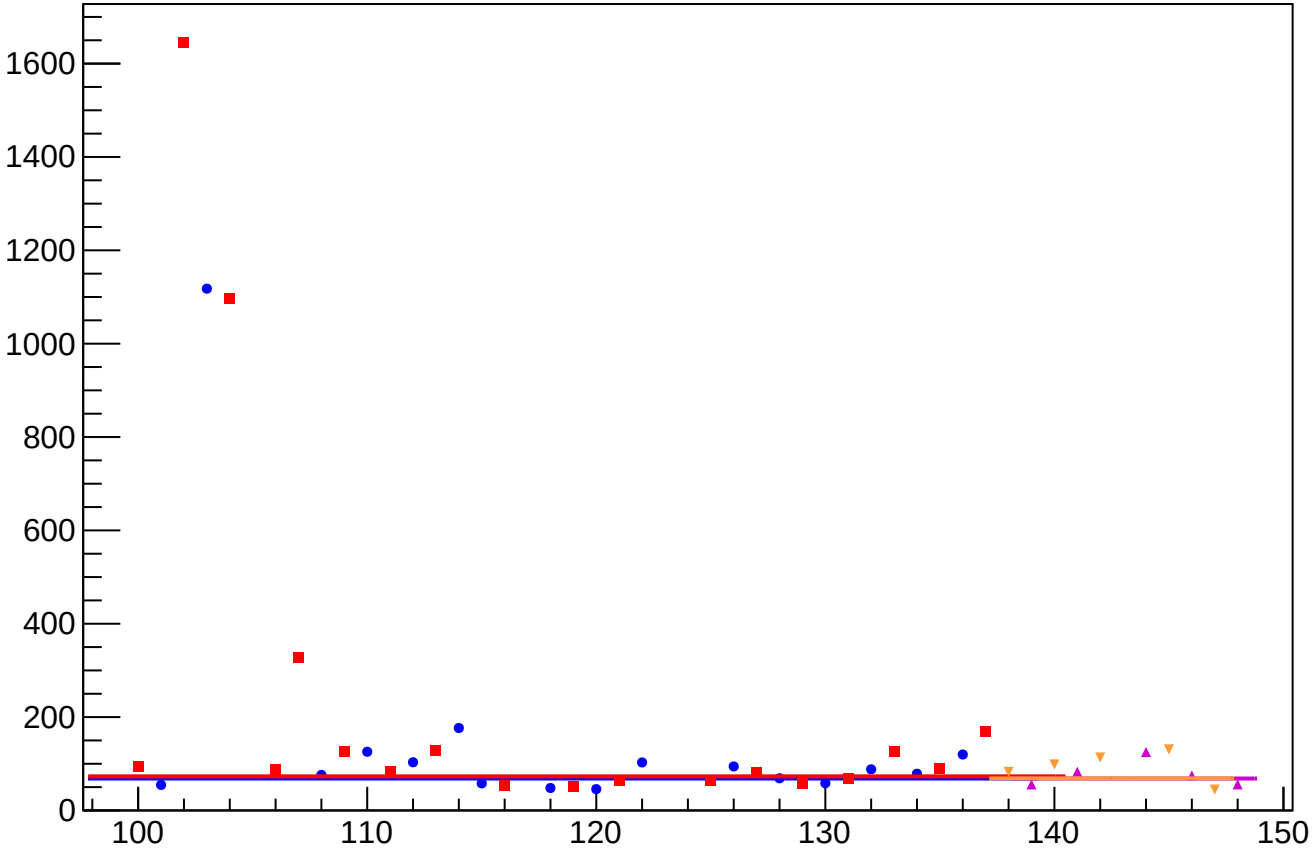
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: -0.008+/-0.017 χ^2/NDF: 41.2/43

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: 68.676+/-0.030 χ^2/NDF:1012089.0/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

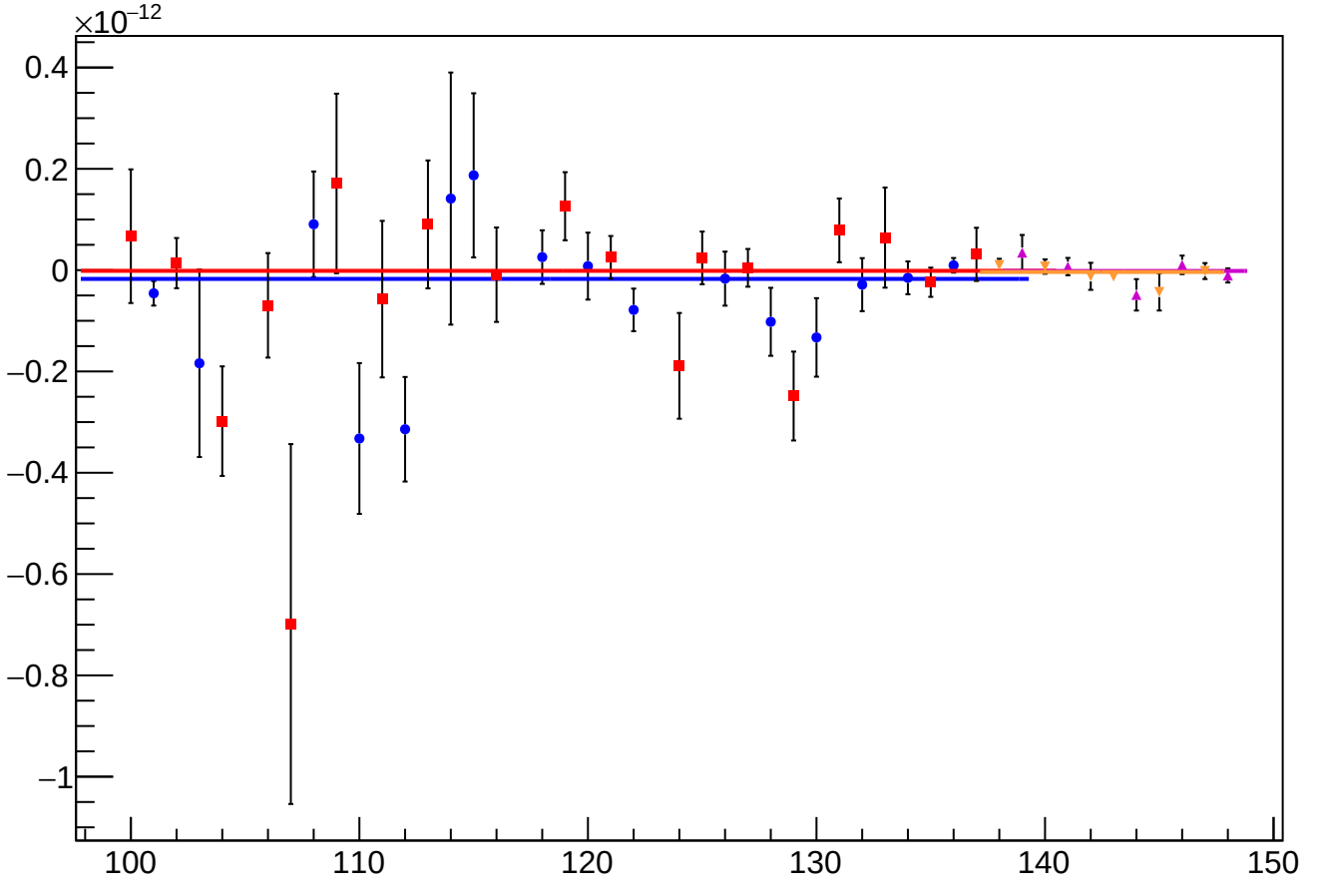
Left: 68.515+/-0.019 χ^2/NDF: 1562532.7/9

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 68.414+/-0.016 χ^2/NDF:2828561.8/20

Out: 71.355+/-0.018 χ^2/NDF:3938716.8/22

All: 69.711+/-0.012 χ^2/NDF: 6781438.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/4

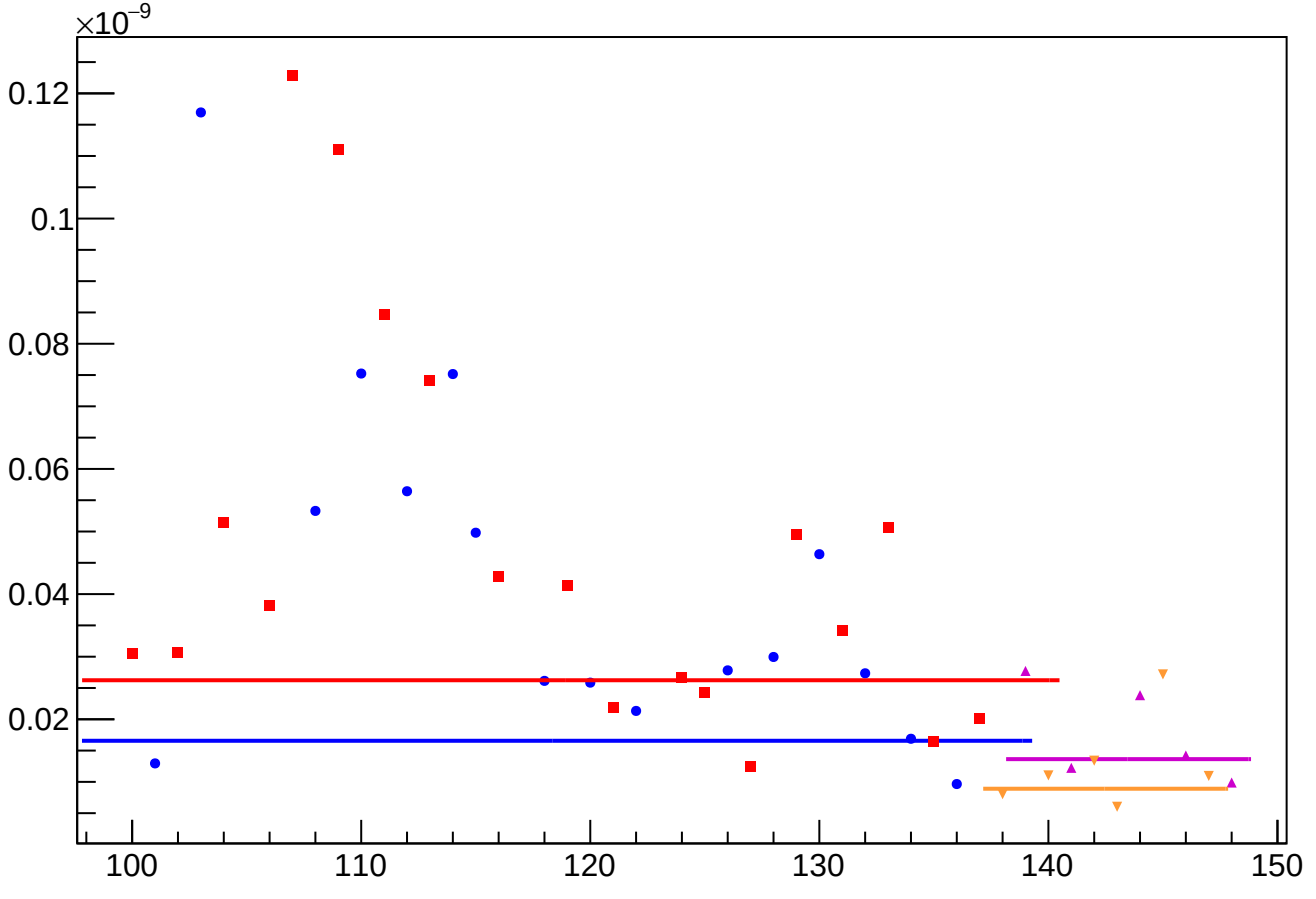
Left: -0.000+/-0.000 χ^2/NDF: 8.5/10

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:34.2/20

Out: -0.000+/-0.000 χ^2/NDF:36.2/24

All: -0.000+/-0.000 χ^2/NDF: 70.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:832824.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:703551.8/4

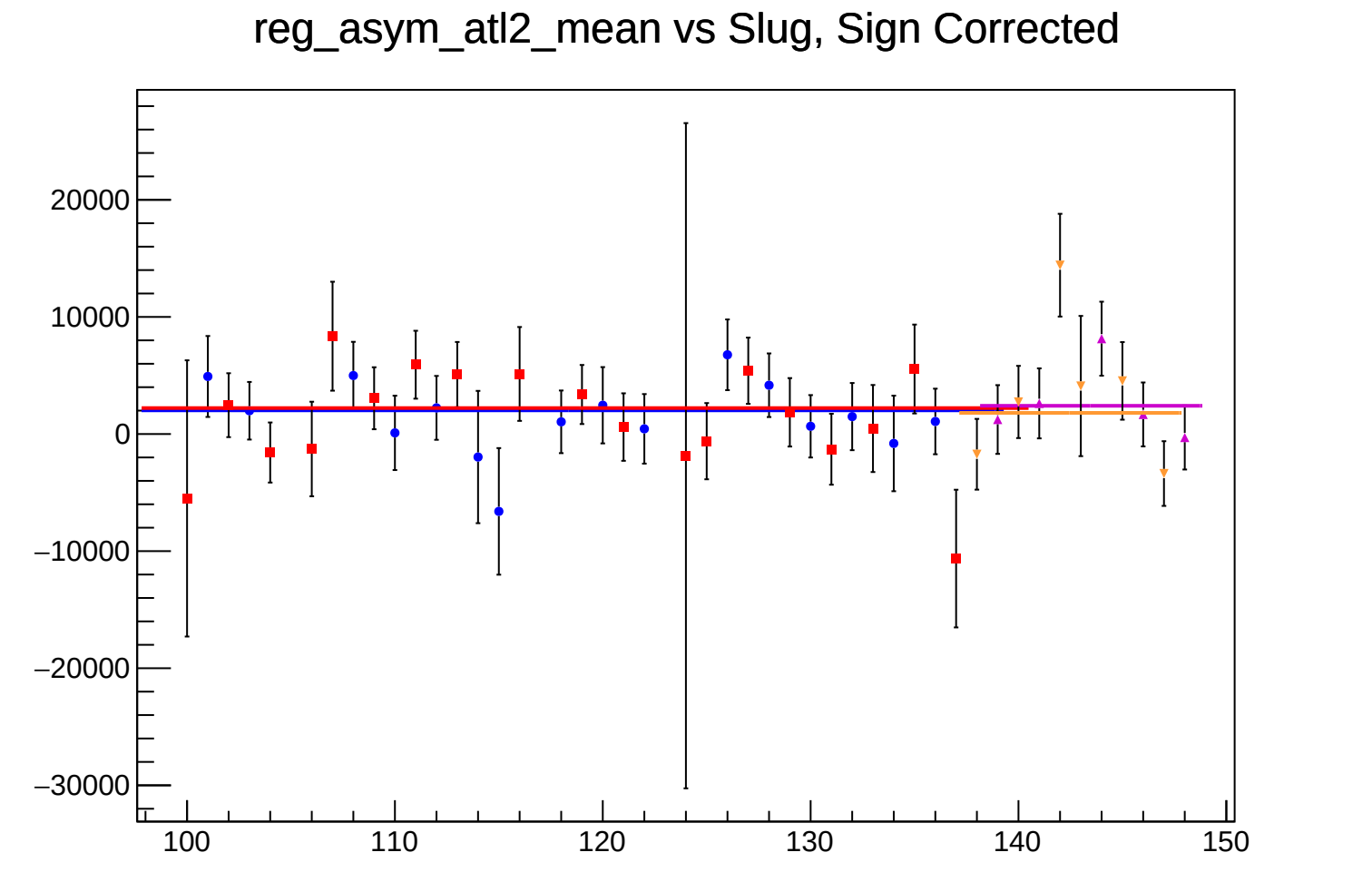
Left: 0.000+/-0.000 χ^2/NDF: 1945567.1/10

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3625701.2/20

Out: 0.000+/-0.000 χ^2/NDF:5704921.4/24

All: 0.000+/-0.000 χ^2/NDF: 9662551.5/45



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1805.992+/-1391.116 χ^2/NDF:14.1/5

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2410.775+/-1295.050 χ^2/NDF:4.5/4

Left: 2129.985+/-947.883 χ^2/NDF: 18.7/10

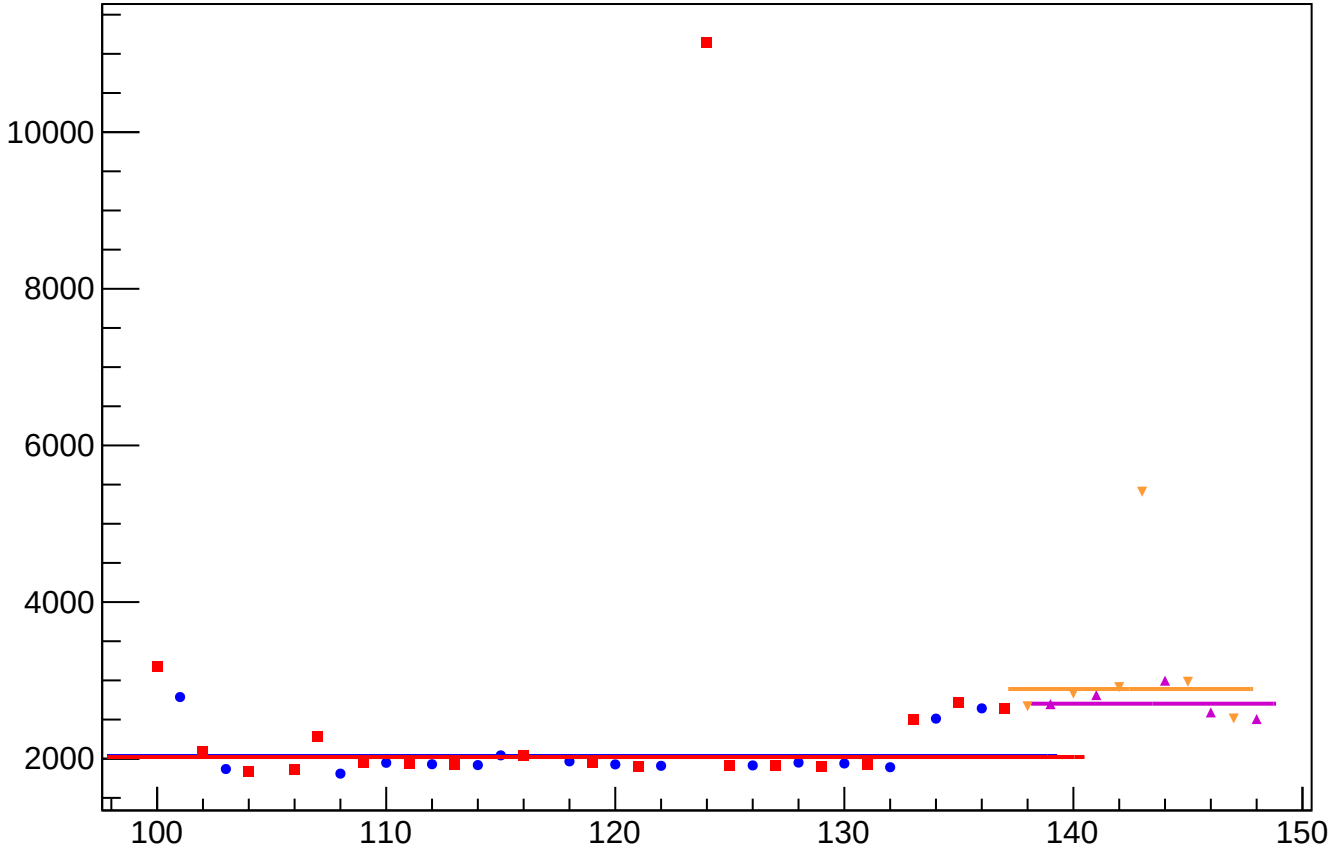
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2122.953+/-658.255 χ^2/NDF:14.2/20

Out: 2123.465+/-664.343 χ^2/NDF:32.3/24

All: 2123.207+/-467.594 χ^2/NDF: 46.5/45

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

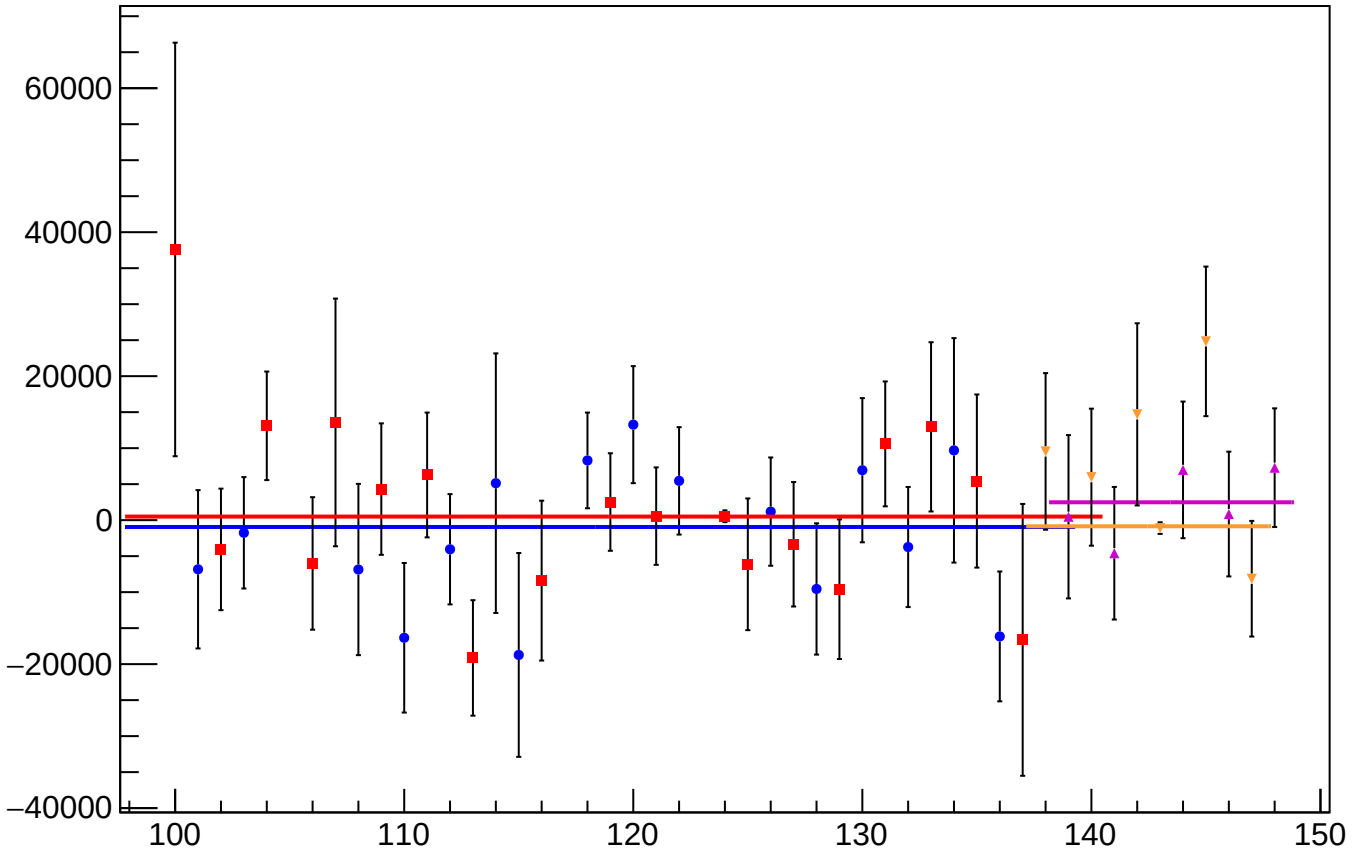
Left: 2789.735+/-0.670 χ^2/NDF: 457562.6/10

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2206.862+/-0.465 χ^2/NDF:691854.2/20

Out: 2219.663+/-0.470 χ^2/NDF:1396738.9/24

All: 2213.204+/-0.331 χ^2/NDF: 2088967.8/45



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -852.192+/-794.191 χ^2/NDF:10.0/5

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 2479.482+/-4127.034 χ^2/NDF:1.2/4

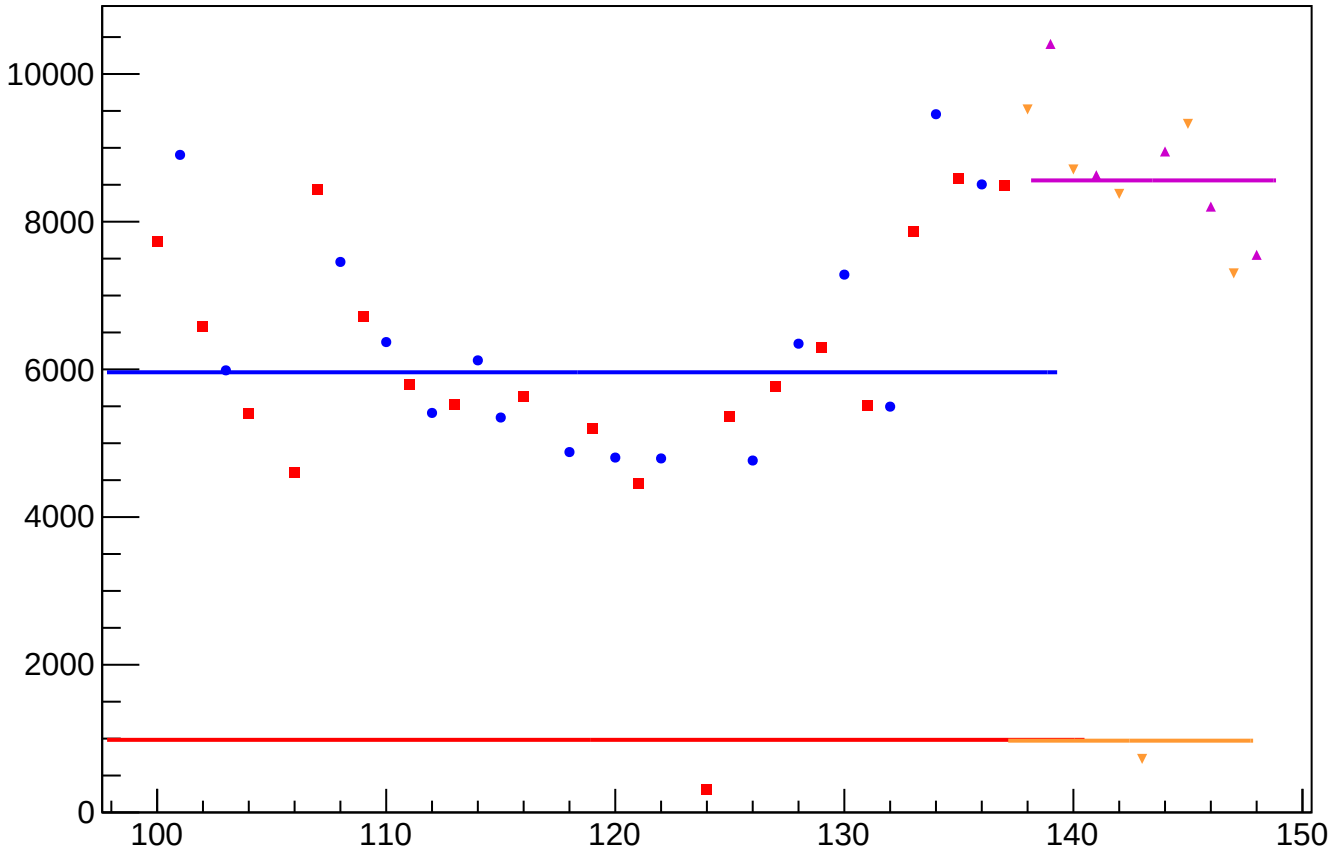
Left: -733.221+/-779.882 χ^2/NDF: 11.8/10

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -149.247+/-1994.715 χ^2/NDF:17.1/20

Out: -155.055+/-552.191 χ^2/NDF:29.9/24

All: -154.642+/-532.177 χ^2/NDF: 47.0/45



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 972.128+/-0.562 χ^2/NDF:5962851.6/5

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8559.095+/-2.918 χ^2/NDF:89896.4/4

Left: 1243.053+/-0.551 χ^2/NDF: 12570506.0/10

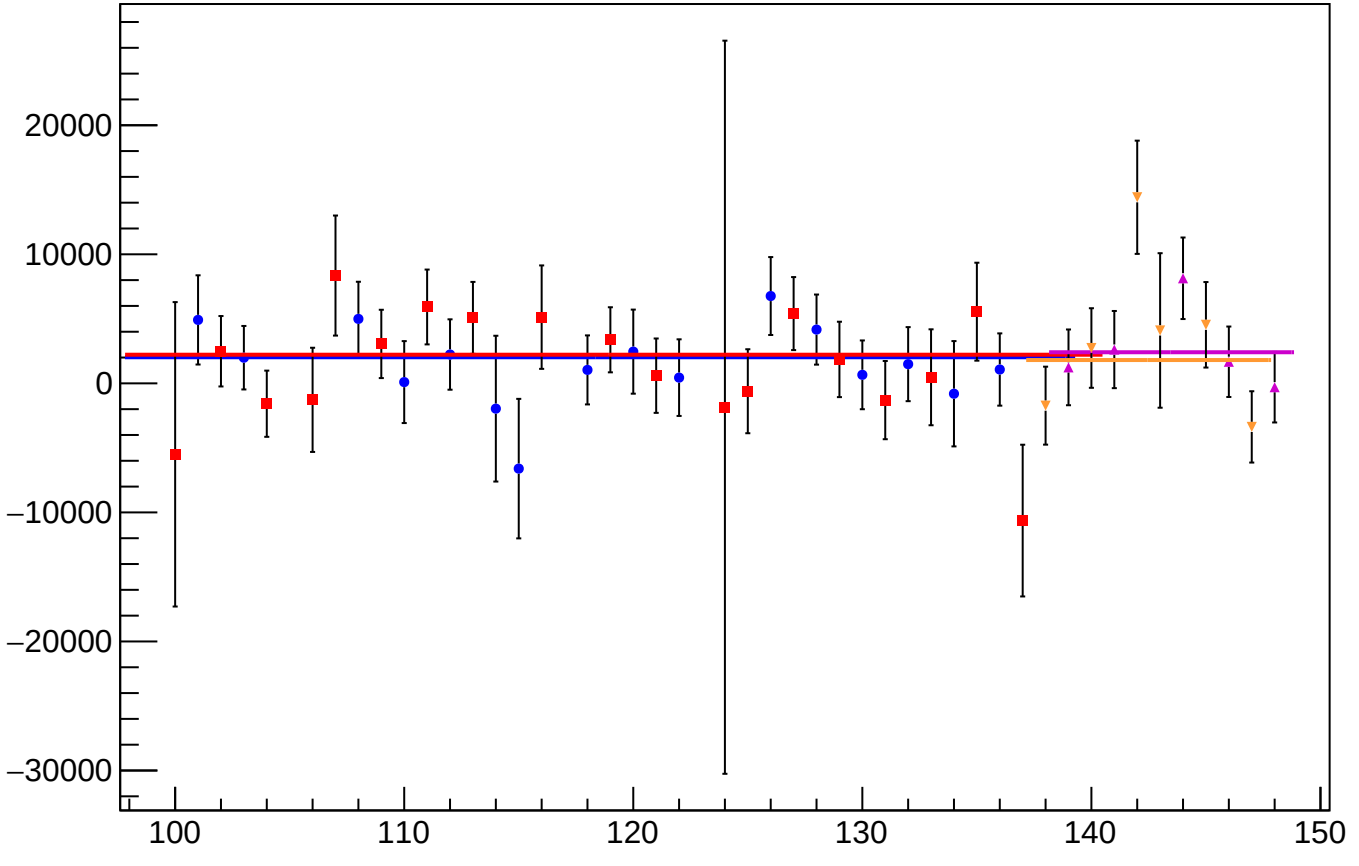
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6567.781+/-1.410 χ^2/NDF:1386713.6/20

Out: 977.908+/-0.390 χ^2/NDF:17379746.4/24

All: 1375.787+/-0.376 χ^2/NDF: 33354749.2/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1806.338+/-1391.116 χ^2/NDF:14.1/5

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2410.835+/-1295.050 χ^2/NDF:4.5/4

Left: 2130.177+/-947.883 χ^2/NDF: 18.7/10

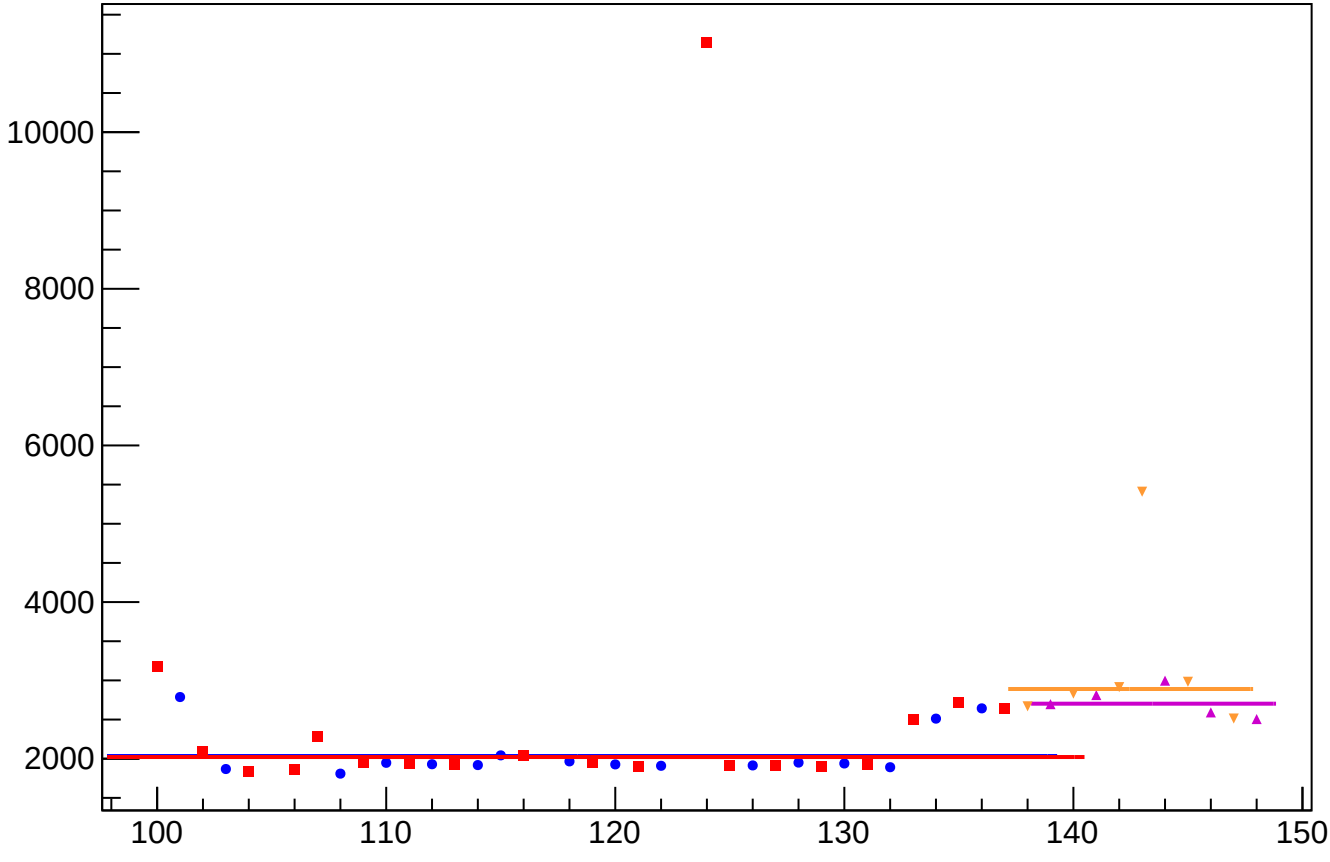
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2123.062+/-658.255 χ^2/NDF:14.2/20

Out: 2124.962+/-664.348 χ^2/NDF:32.3/24

All: 2124.003+/-467.596 χ^2/NDF: 46.5/45

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

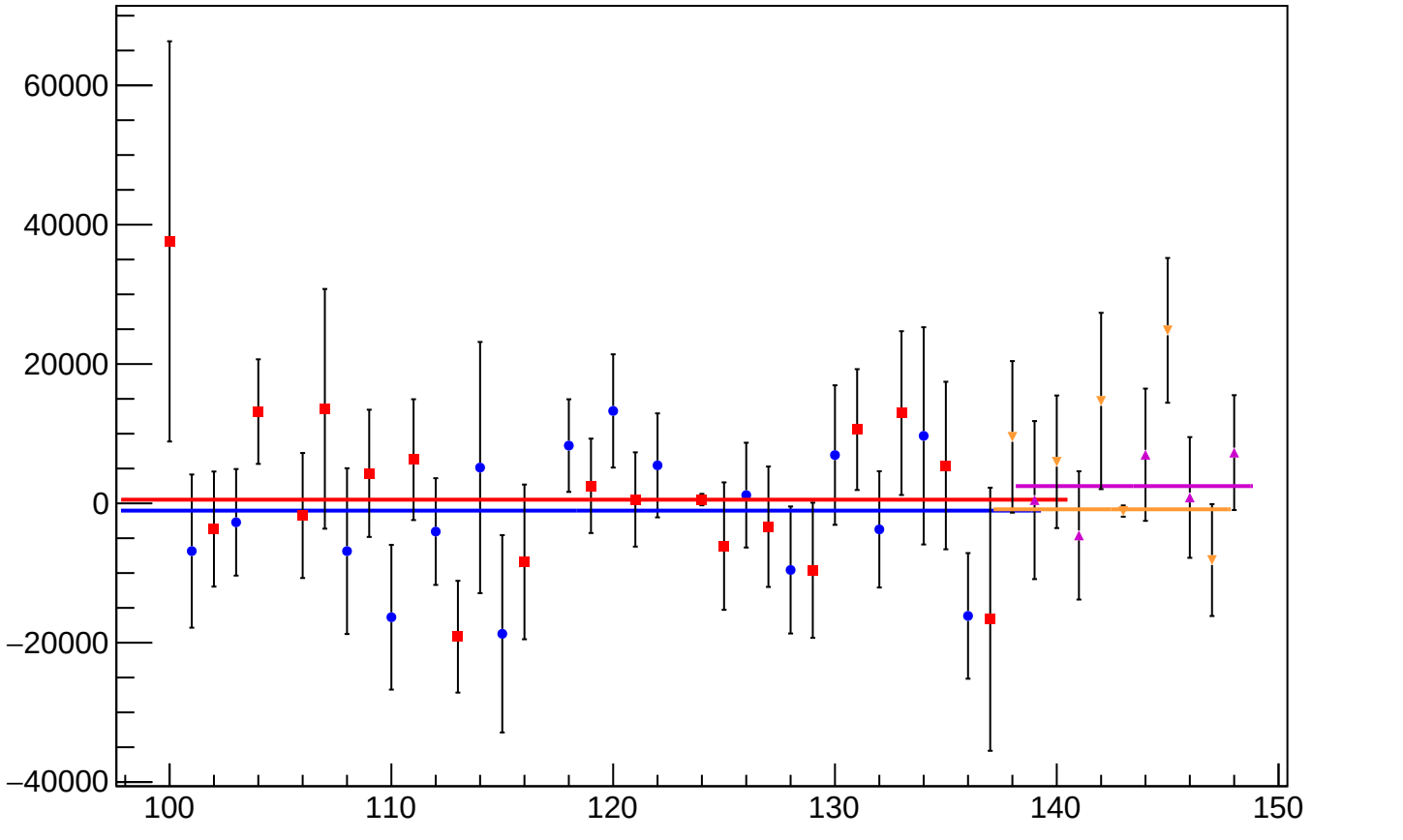
Left: 2789.735+/-0.670 χ^2/NDF: 457562.6/10

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2206.862+/-0.465 χ^2/NDF:691854.2/20

Out: 2219.682+/-0.470 χ^2/NDF:1396718.0/24

All: 2213.213+/-0.331 χ^2/NDF: 2088948.0/45



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -851.980+/-794.116 χ^2/NDF:10.0/5

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2479.458+/-4127.030 χ^2/NDF:1.2/4

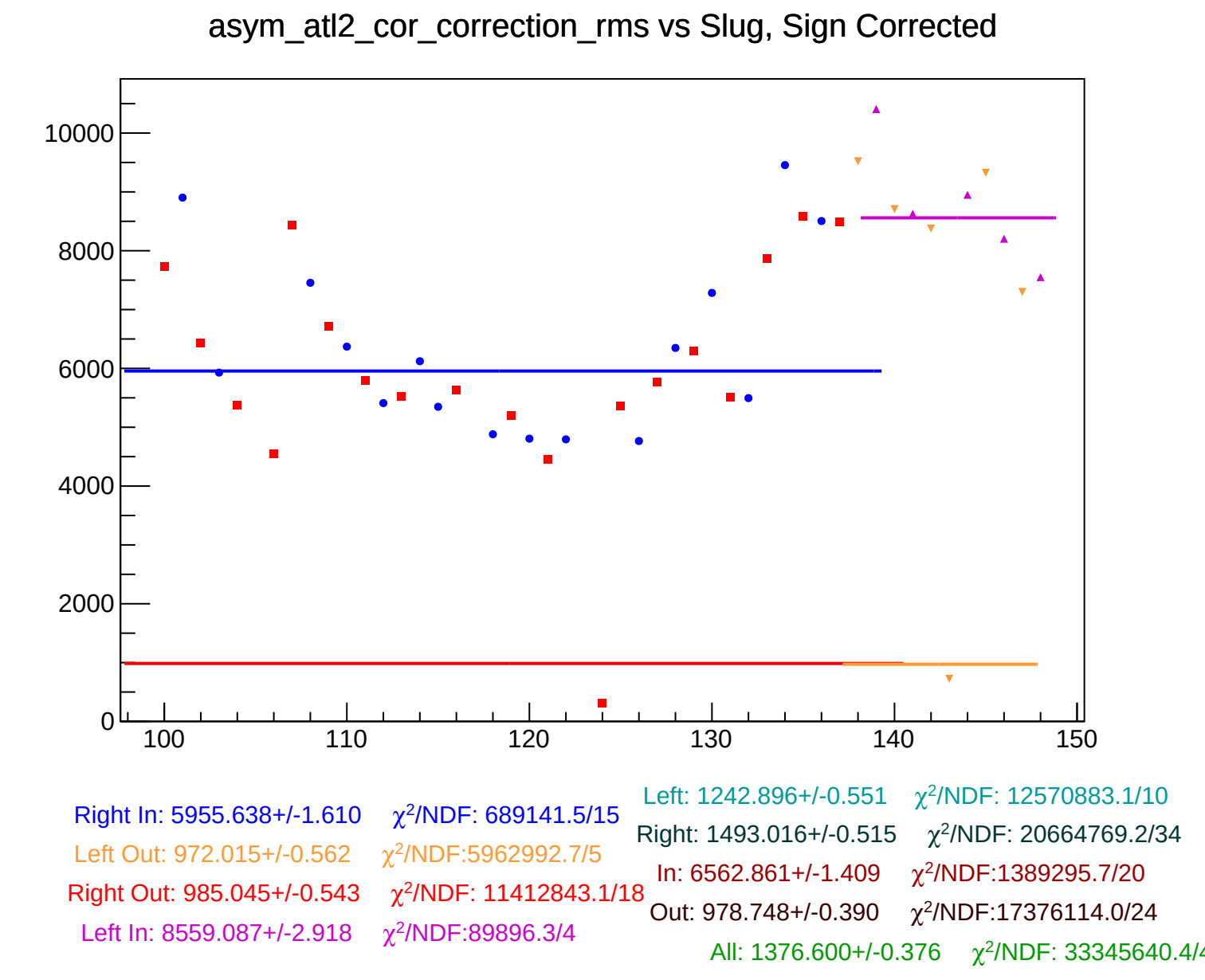
Left: -733.038+/-779.811 χ^2/NDF: 11.8/10

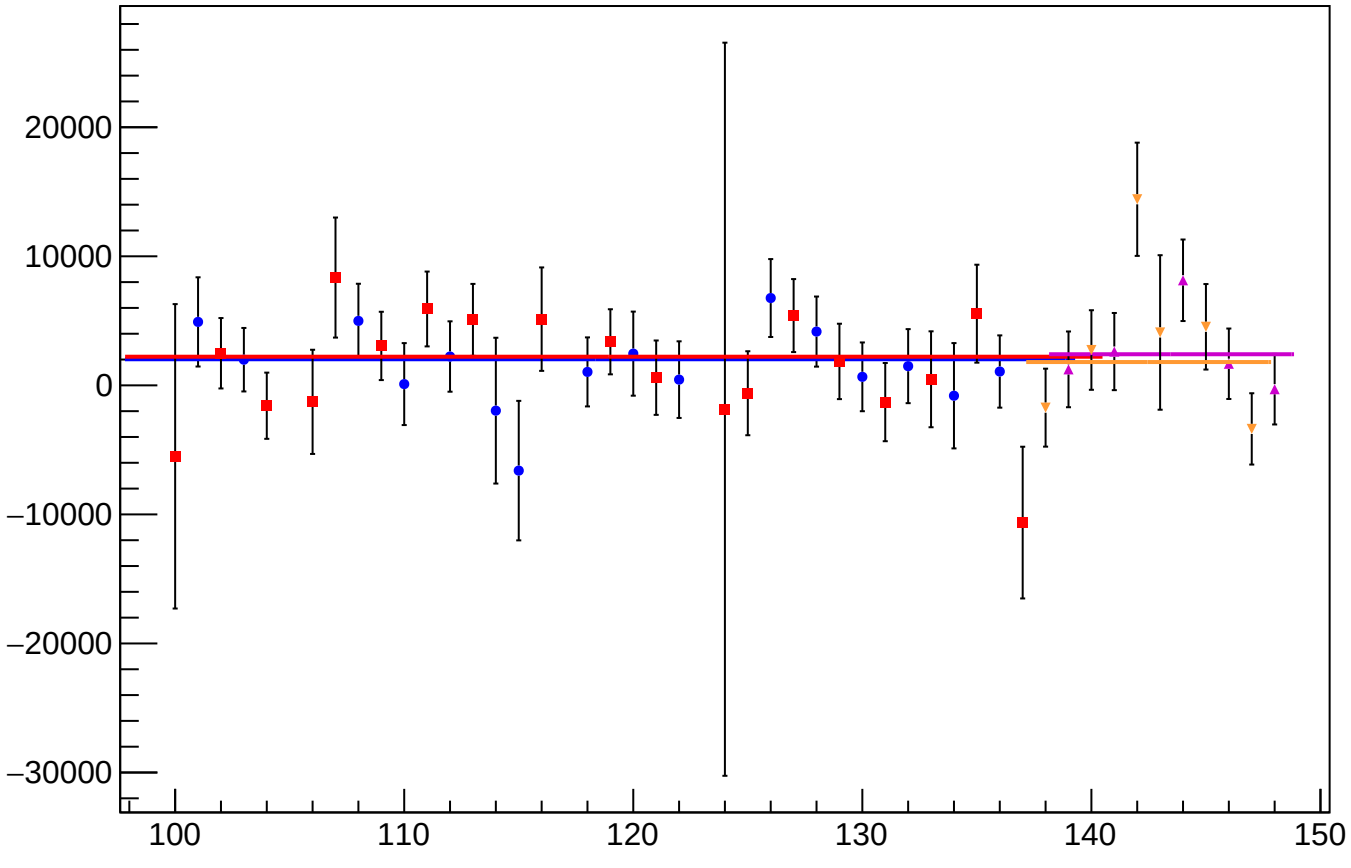
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -217.552+/-1993.137 χ^2/NDF:17.2/20

Out: -137.502+/-552.040 χ^2/NDF:29.6/24

All: -143.206+/-532.011 χ^2/NDF: 46.7/45


asym_atl2_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
100
110
120
130
140
150
Right In: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 972.015+/-0.562 χ²/NDF:5962992.7/5
Right Out: 985.045+/-0.543 χ²/NDF: 11412843.1/18
Left In: 8559.087+/-2.918 χ²/NDF:89896.3/4
Left: 1242.896+/-0.551 χ²/NDF: 12570883.1/10
Right: 1493.016+/-0.515 χ²/NDF: 20664769.2/34
In: 6562.861+/-1.409 χ²/NDF:1389295.7/20
Out: 978.748+/-0.390 χ²/NDF:17376114.0/24
All: 1376.600+/-0.376 χ²/NDF: 33345640.4/4



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1806.338+/-1391.116 χ^2/NDF:14.1/5

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2410.835+/-1295.050 χ^2/NDF:4.5/4

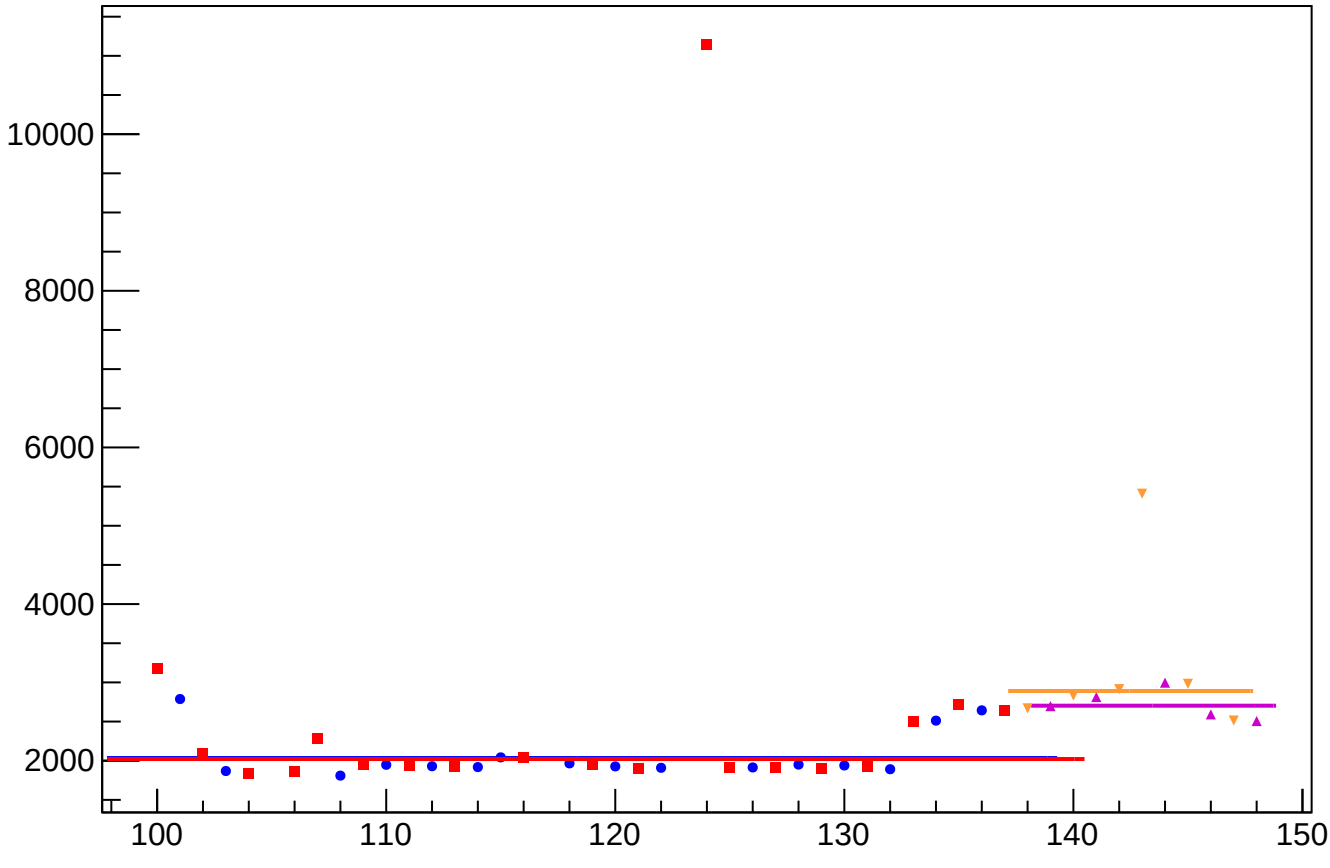
Left: 2130.177+/-947.883 χ^2/NDF: 18.7/10

Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2123.062+/-658.255 χ^2/NDF:14.2/20

Out: 2124.962+/-664.348 χ^2/NDF:32.3/24

All: 2124.003+/-467.596 χ^2/NDF: 46.5/45



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

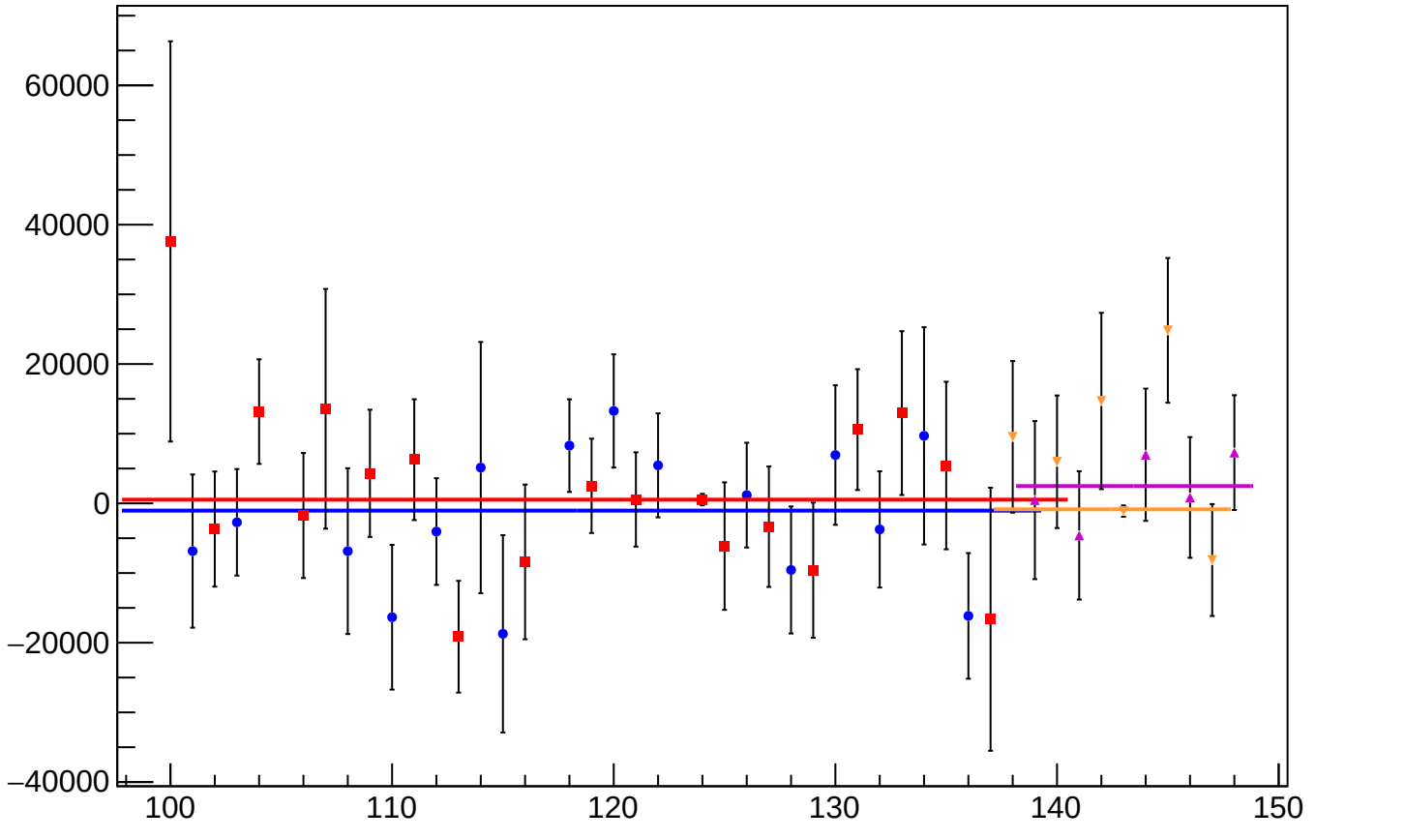
Left: 2789.735+/-0.670 χ^2/NDF: 457562.6/10

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2206.862+/-0.465 χ^2/NDF:691854.2/20

Out: 2219.682+/-0.470 χ^2/NDF:1396718.0/24

All: 2213.213+/-0.331 χ^2/NDF: 2088948.0/45



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -851.980+/-794.116 χ^2/NDF:10.0/5

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2479.458+/-4127.030 χ^2/NDF:1.2/4

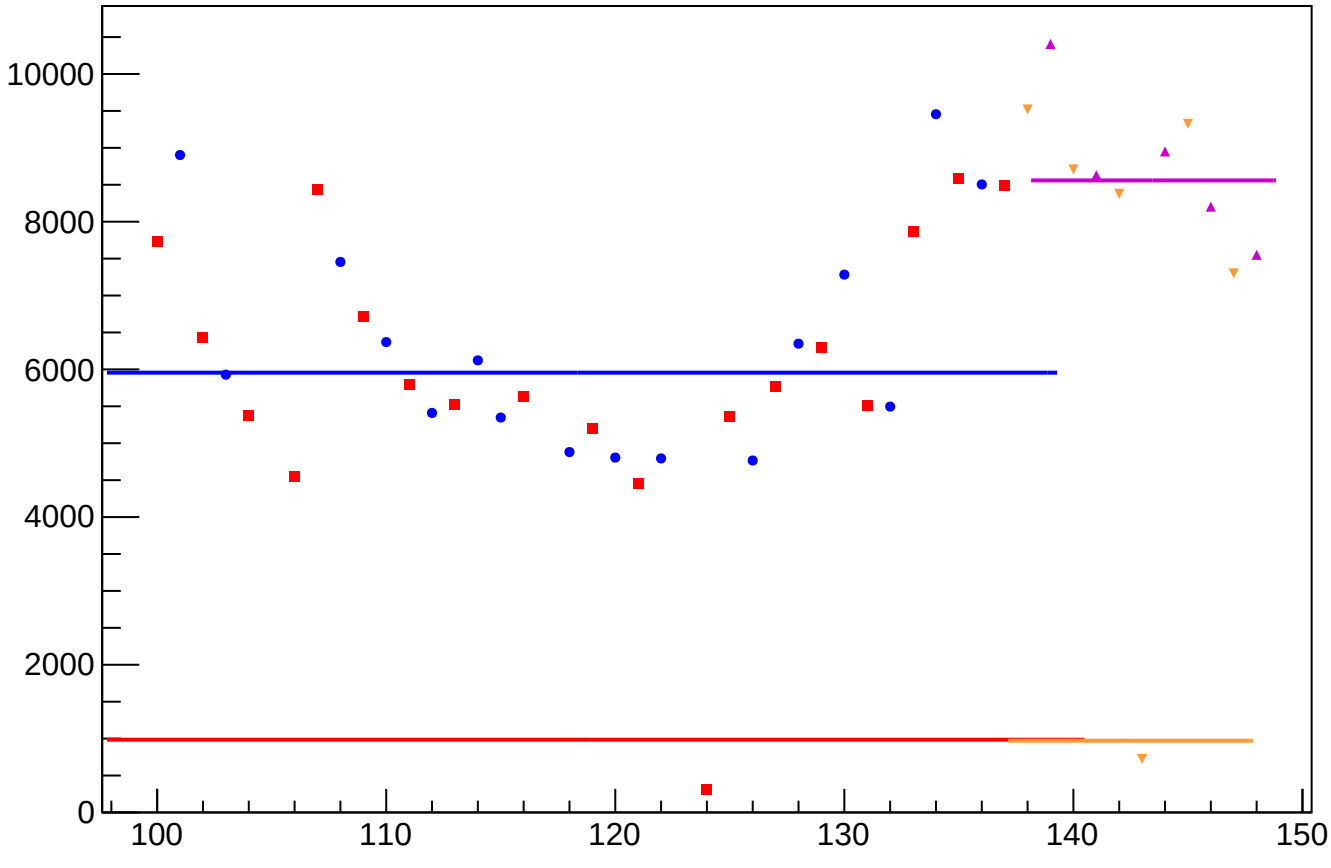
Left: -733.038+/-779.811 χ^2/NDF: 11.8/10

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -217.552+/-1993.137 χ^2/NDF:17.2/20

Out: -137.502+/-552.040 χ^2/NDF:29.6/24

All: -143.206+/-532.011 χ^2/NDF: 46.7/45



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 972.015+/-0.562 χ^2/NDF:5962992.7/5

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8559.087+/-2.918 χ^2/NDF:89896.3/4

Left: 1242.896+/-0.551 χ^2/NDF: 12570883.1/10

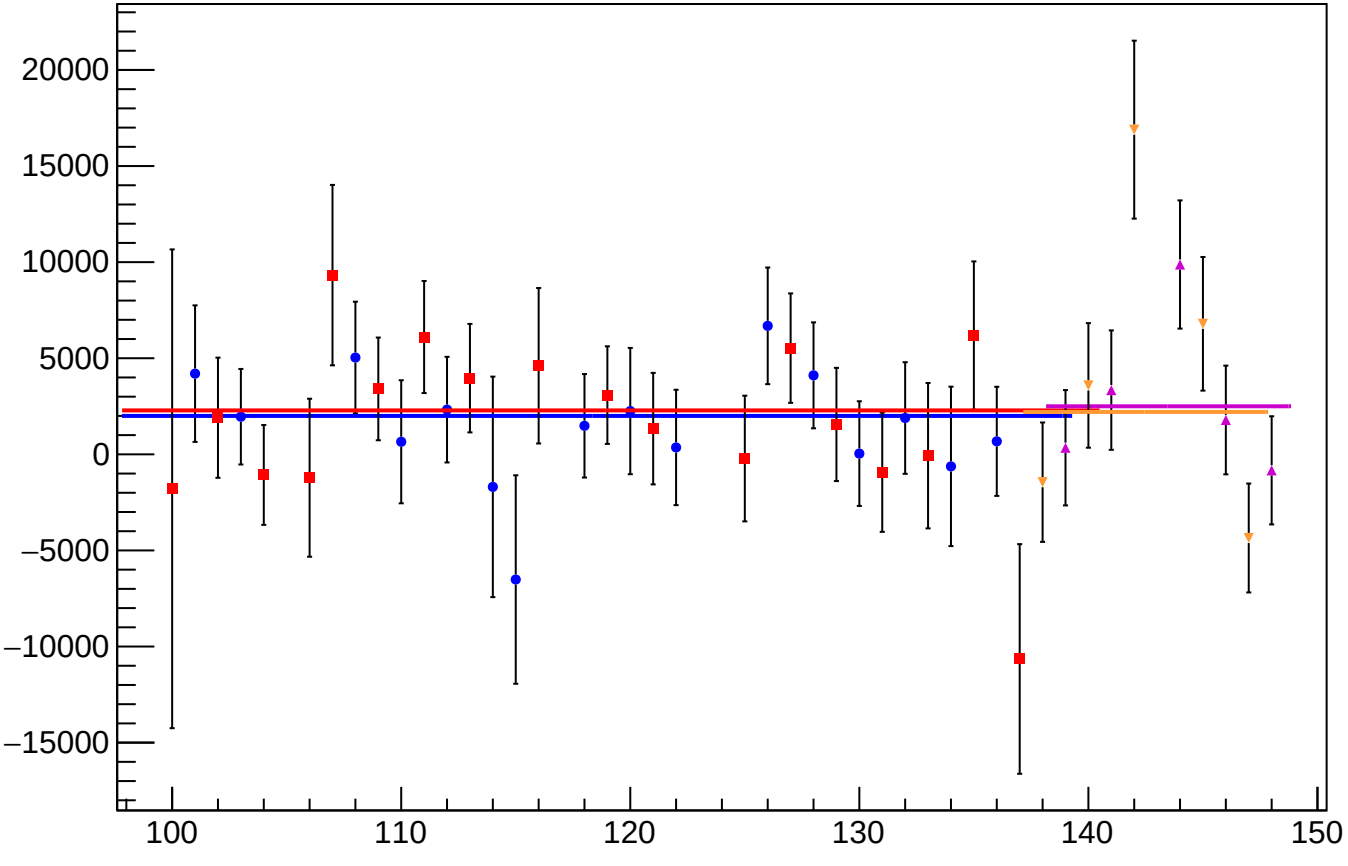
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6562.861+/-1.409 χ^2/NDF:1389295.7/20

Out: 978.748+/-0.390 χ^2/NDF:17376114.0/24

All: 1376.600+/-0.376 χ^2/NDF: 33345640.4/4

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 2206.373+/-1486.224 χ^2/NDF:18.7/4

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2500.552+/-1341.132 χ^2/NDF:6.9/4

Left: 2368.519+/-995.679 χ^2/NDF: 25.7/9

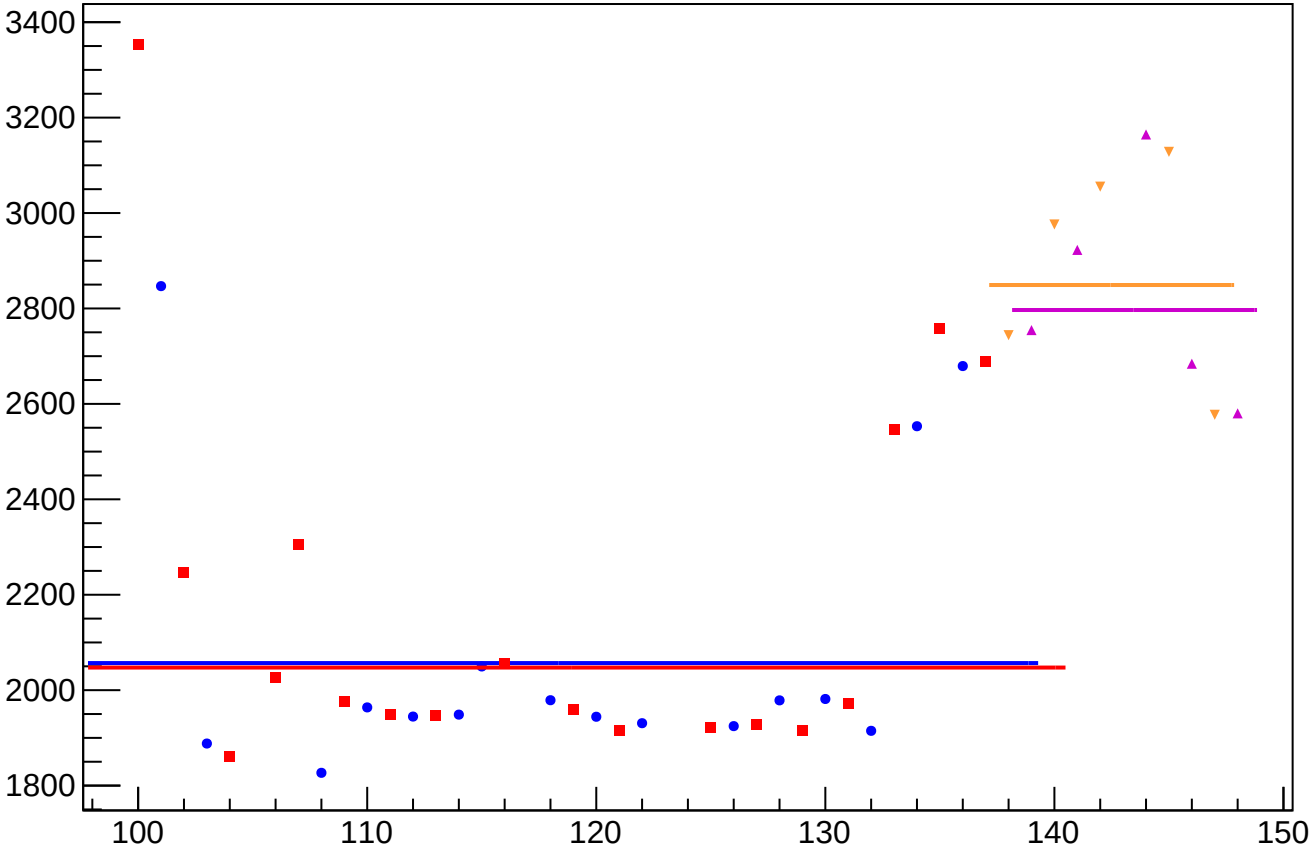
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2124.363+/-670.069 χ^2/NDF:16.0/20

Out: 2269.026+/-684.599 χ^2/NDF:35.4/22

All: 2195.143+/-478.865 χ^2/NDF: 51.5/43

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2849.155+/-1.051 χ^2/NDF:40635.6/4

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2796.779+/-0.948 χ^2/NDF:43035.1/4

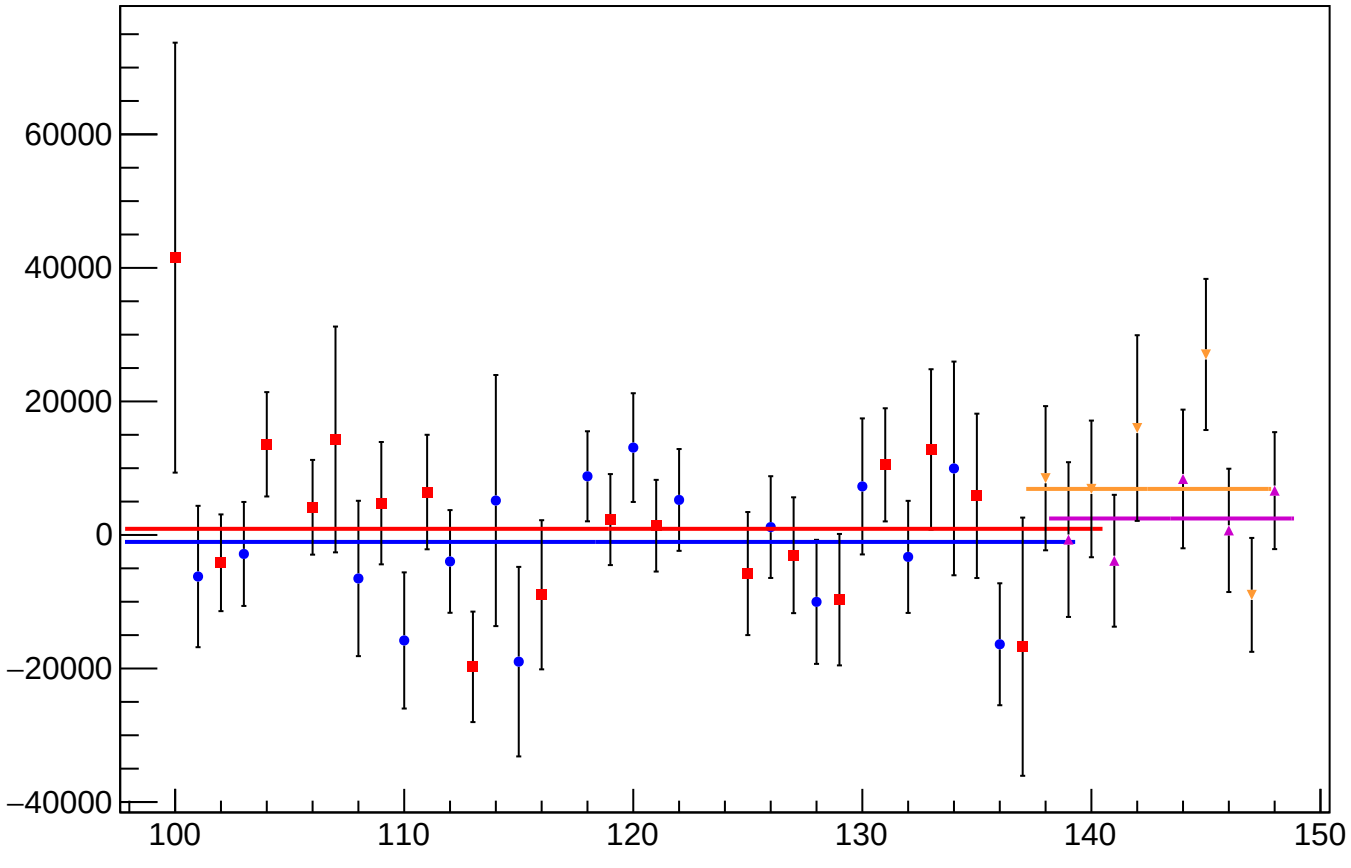
Left: 2820.286+/-0.704 χ^2/NDF: 85039.8/9

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2241.517+/-0.474 χ^2/NDF:770373.8/20

Out: 2217.112+/-0.484 χ^2/NDF:695985.9/22

All: 2229.561+/-0.338 χ^2/NDF: 1467659.4/43



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 6897.159+/-4721.974 χ^2/NDF:7.1/4

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2467.513+/-4396.416 χ^2/NDF:1.1/4

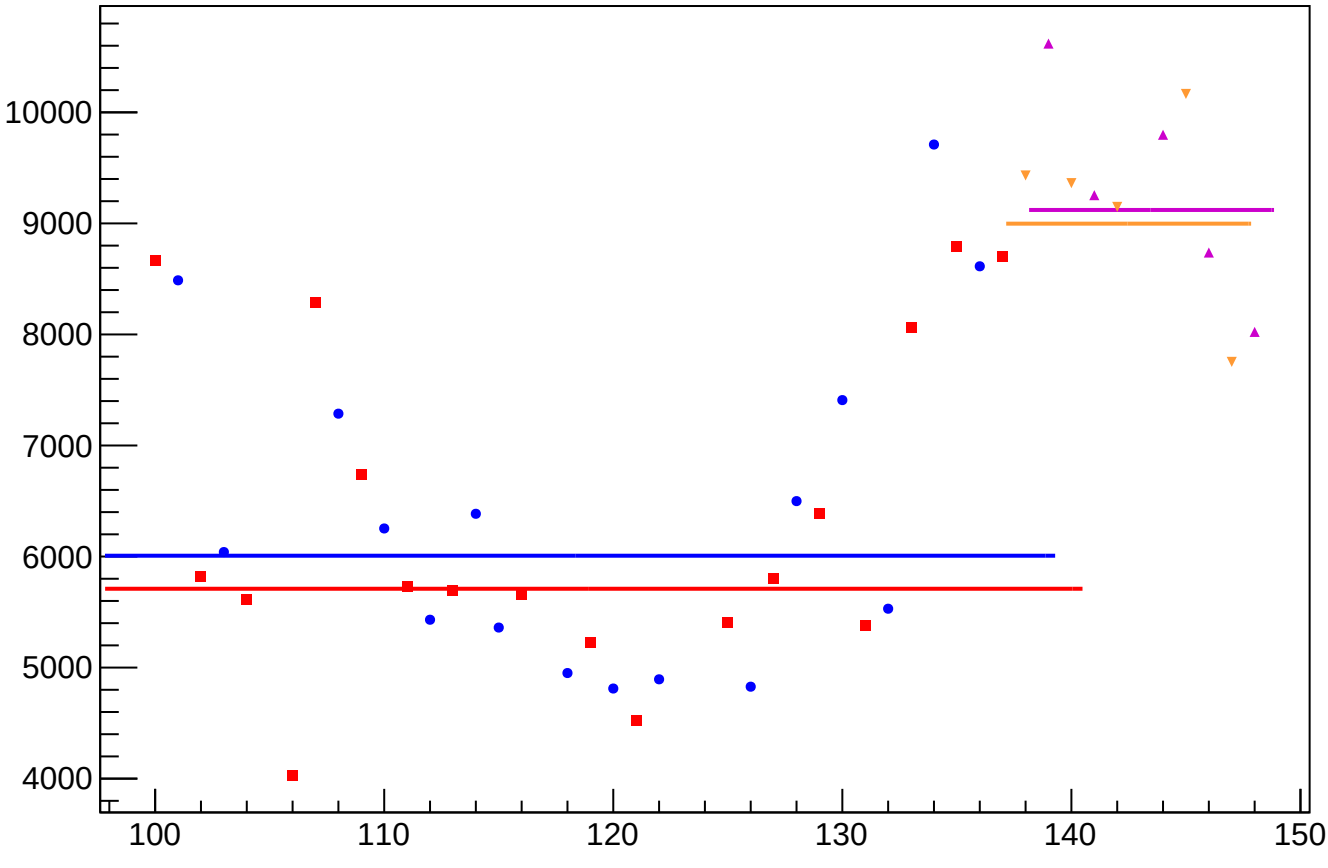
Left: 4524.384+/-3217.678 χ^2/NDF: 8.6/9

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -291.059+/-2034.207 χ^2/NDF:16.9/20

Out: 1946.799+/-1957.392 χ^2/NDF:26.8/22

All: 870.919+/-1410.460 χ^2/NDF: 44.3/43



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 8997.632+/-3.339 χ^2/NDF:69910.2/4

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9121.011+/-3.109 χ^2/NDF:77175.9/4

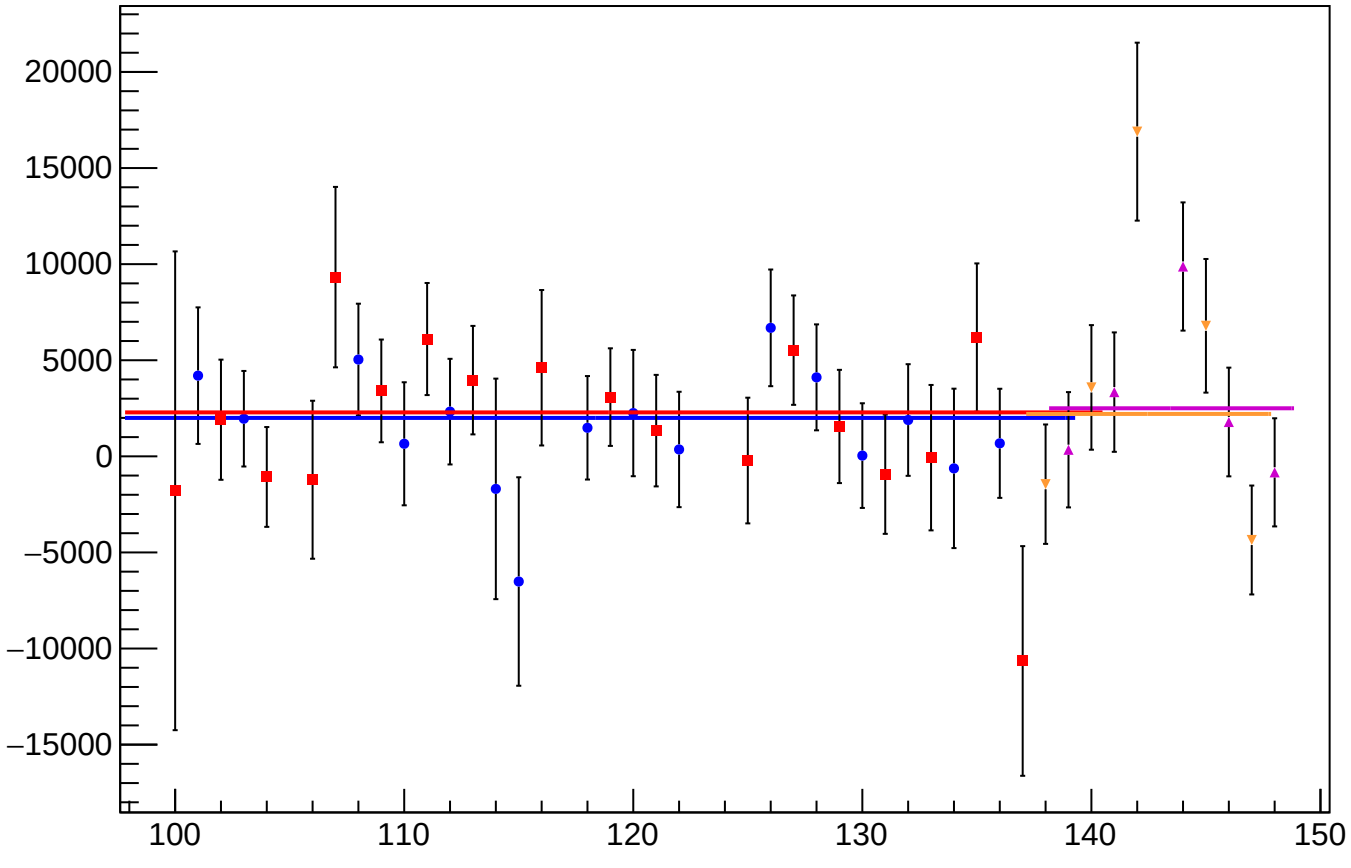
Left: 9063.721+/-2.275 χ^2/NDF: 147817.5/9

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6674.007+/-1.438 χ^2/NDF:1519538.8/20

Out: 6274.846+/-1.384 χ^2/NDF:1408793.9/22

All: 6466.748+/-0.997 χ^2/NDF: 2968318.2/43



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 2206.389+/-1486.226 χ^2/NDF:18.7/4

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2500.553+/-1341.134 χ^2/NDF:6.9/4

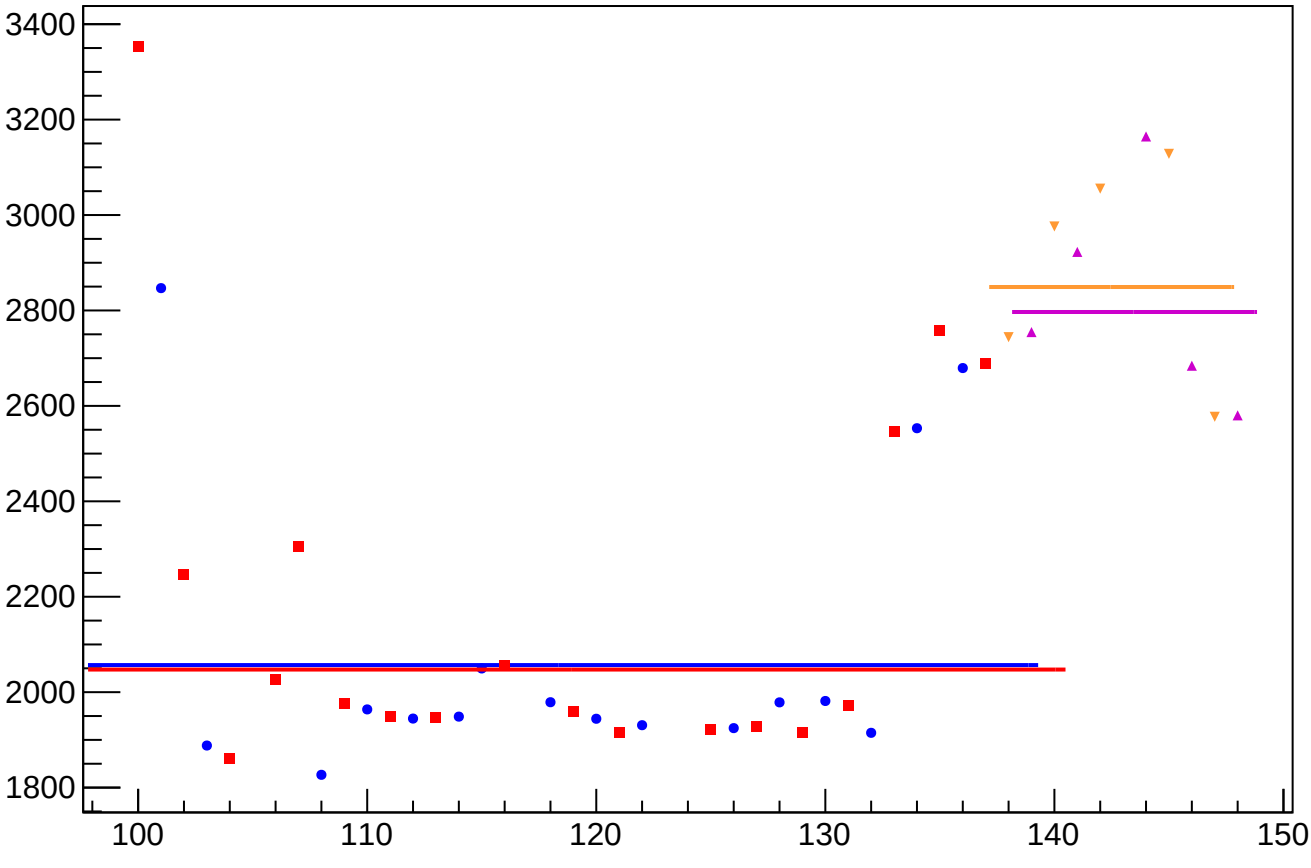
Left: 2368.527+/-995.680 χ^2/NDF: 25.7/9

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2124.366+/-670.069 χ^2/NDF:16.0/20

Out: 2269.032+/-684.599 χ^2/NDF:35.4/22

All: 2195.148+/-478.865 χ^2/NDF: 51.5/43



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2849.157+/-1.051 χ^2/NDF:40636.7/4

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2796.781+/-0.948 χ^2/NDF:43035.6/4

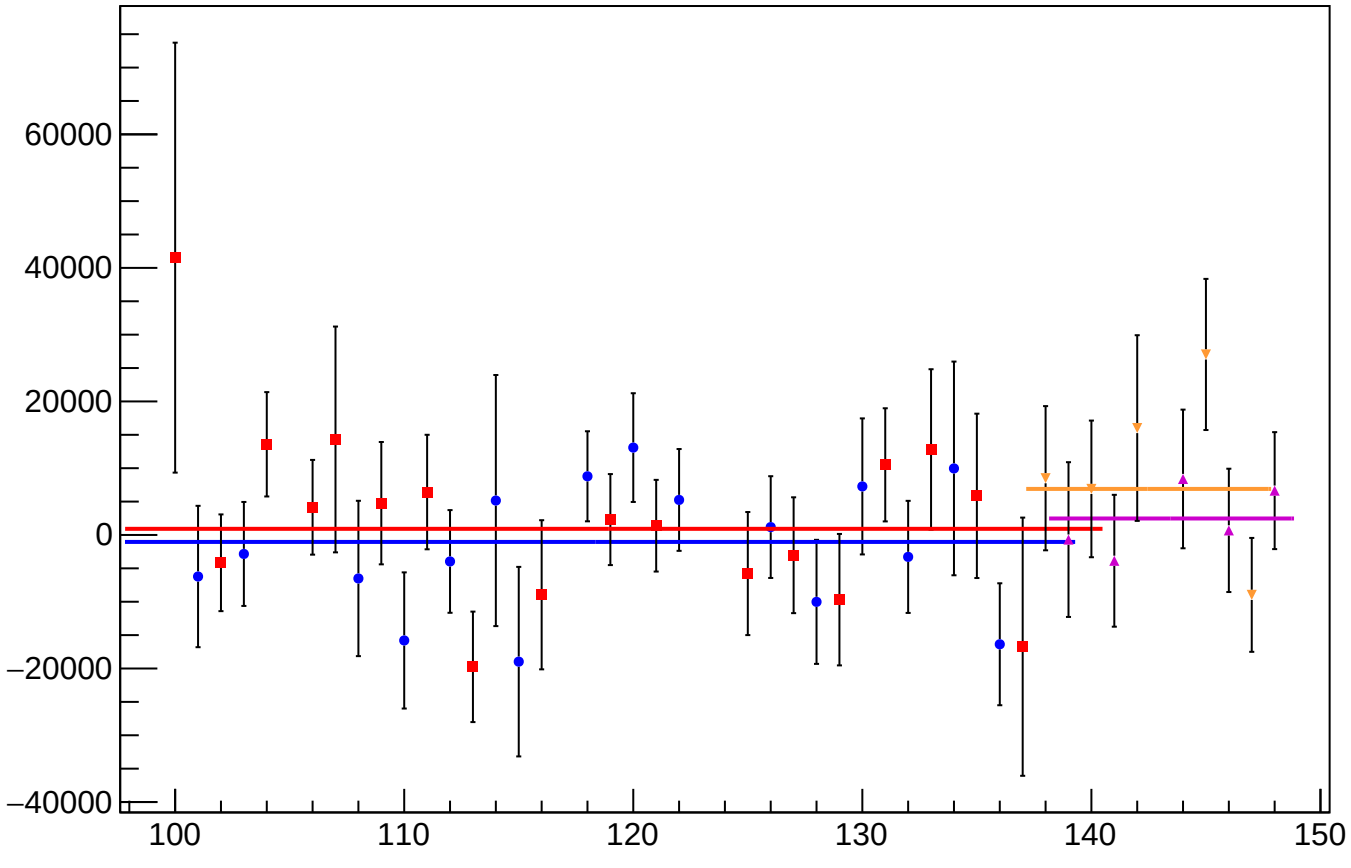
Left: 2820.288+/-0.704 χ^2/NDF: 85041.3/9

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2241.517+/-0.474 χ^2/NDF:770376.5/20

Out: 2217.112+/-0.484 χ^2/NDF:695989.3/22

All: 2229.562+/-0.338 χ^2/NDF: 1467665.6/43



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 6897.162+/-4721.983 χ^2/NDF:7.1/4

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2467.516+/-4396.423 χ^2/NDF:1.1/4

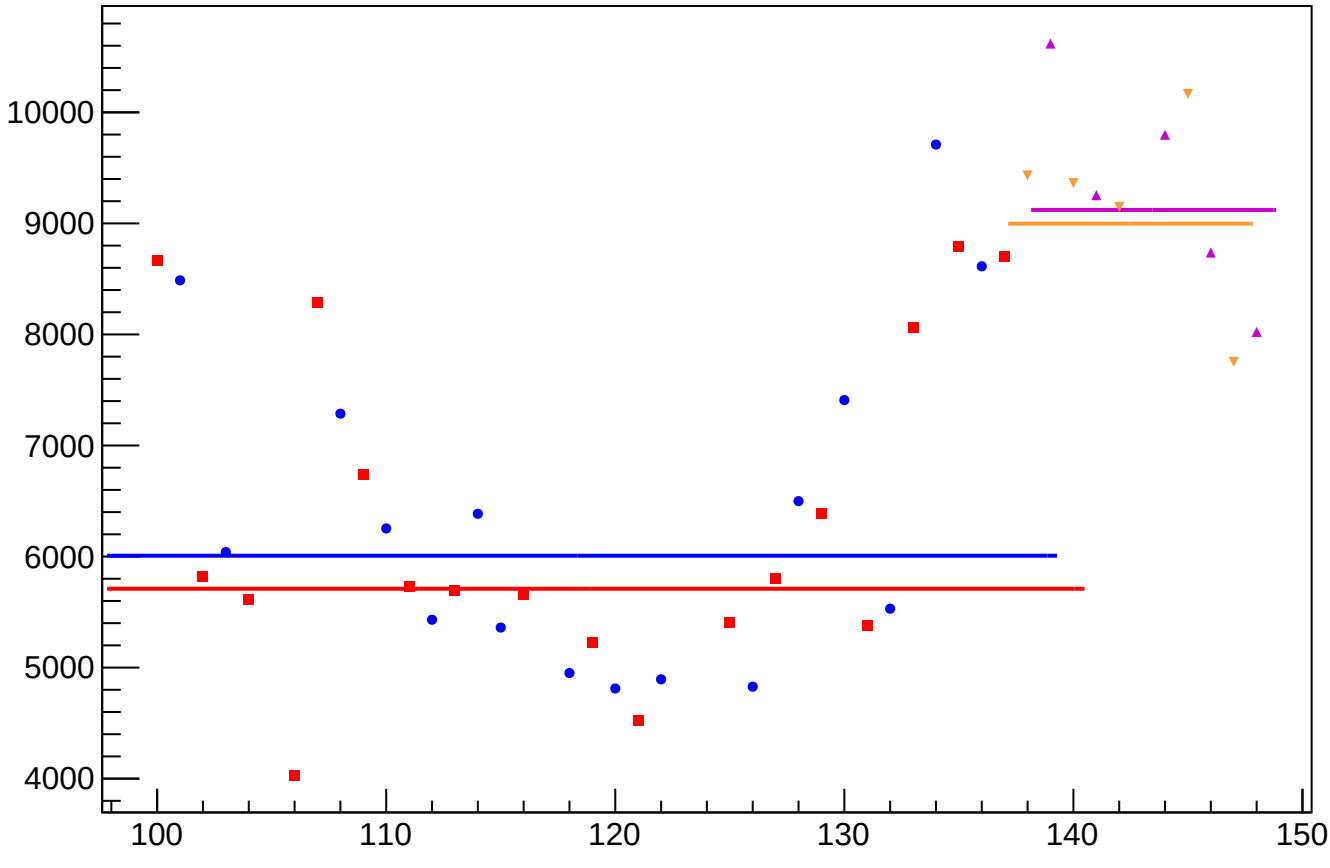
Left: 4524.386+/-3217.683 χ^2/NDF: 8.6/9

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -291.055+/-2034.203 χ^2/NDF:16.9/20

Out: 1946.795+/-1957.388 χ^2/NDF:26.8/22

All: 870.920+/-1410.457 χ^2/NDF: 44.3/43



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8997.649+/-3.339 χ^2/NDF:69911.9/4

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9121.024+/-3.109 χ^2/NDF:77177.8/4

Left: 9063.735+/-2.275 χ^2/NDF: 147821.1/9

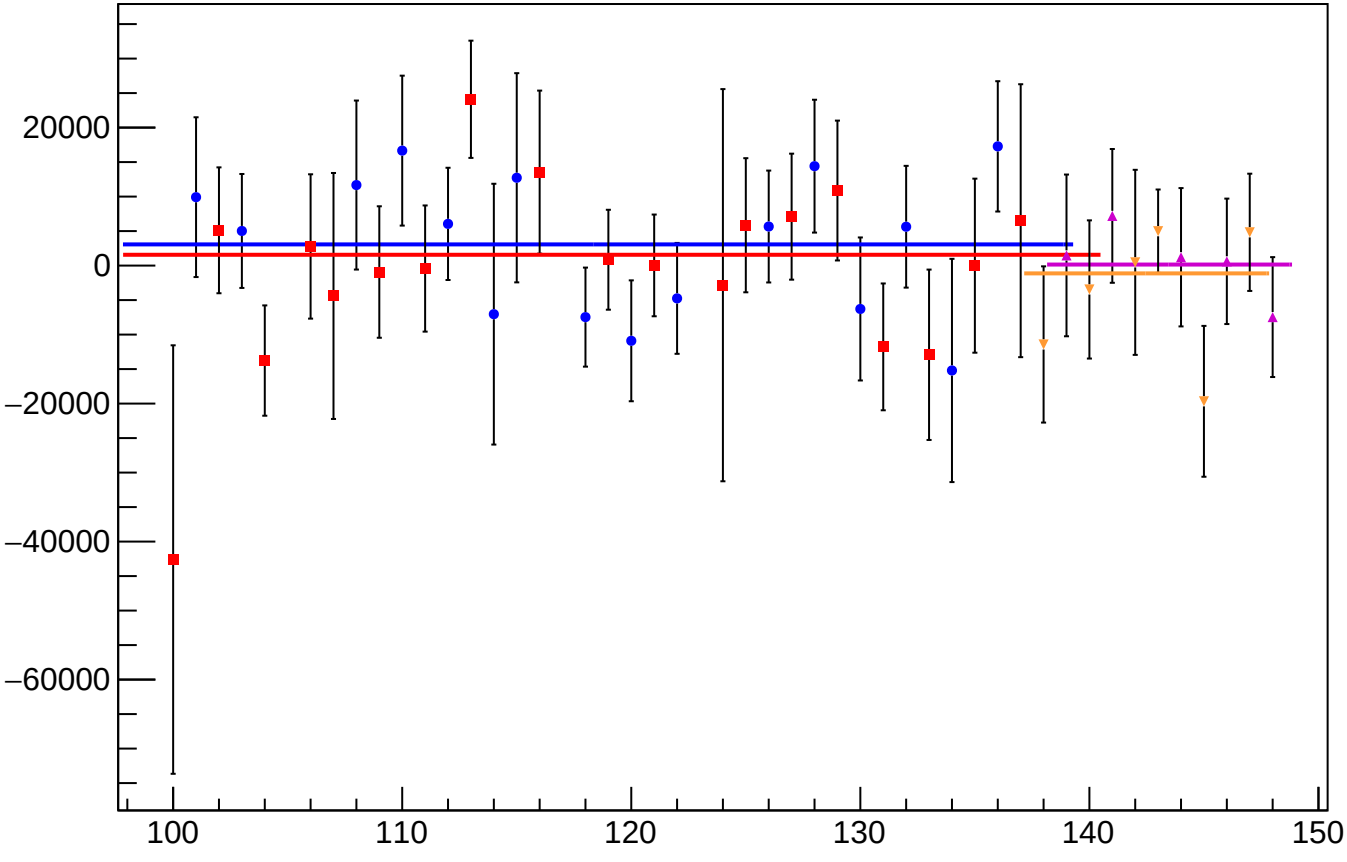
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6673.989+/-1.438 χ^2/NDF:1519564.5/20

Out: 6274.830+/-1.384 χ^2/NDF:1408813.9/22

All: 6466.731+/-0.997 χ^2/NDF: 2968363.7/43

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -1131.099+/-3702.895 χ^2/NDF:5.3/5

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 150.115+/-4334.761 χ^2/NDF:1.3/4

Left: -590.594+/-2815.492 χ^2/NDF: 6.7/10

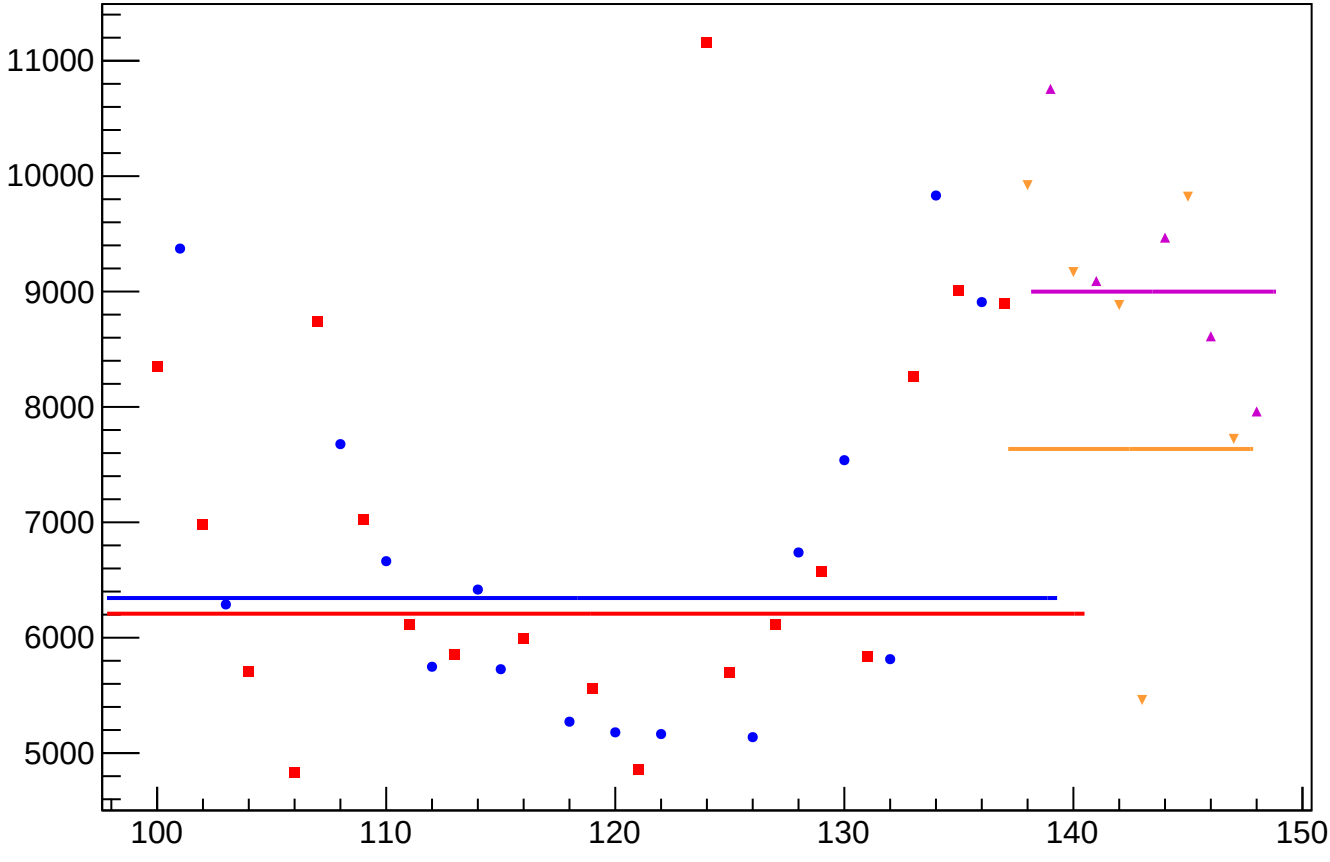
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2376.099+/-2113.494 χ^2/NDF:16.5/20

Out: 799.015+/-1975.635 χ^2/NDF:24.9/24

All: 1534.448+/-1443.262 χ^2/NDF: 41.7/45

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7635.822+/-2.618 χ^2/NDF:485008.1/5

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 8999.187+/-3.065 χ^2/NDF:81684.3/4

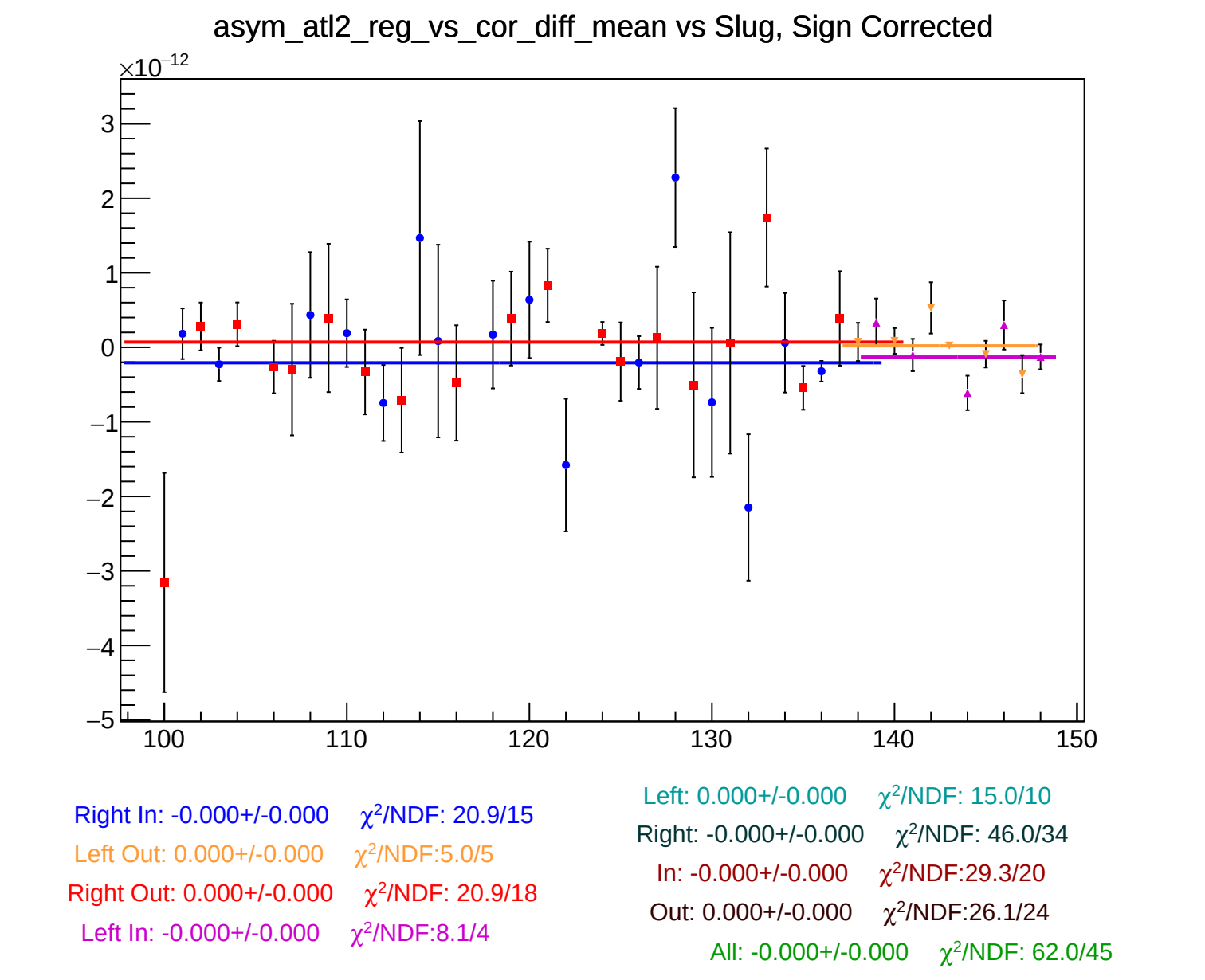
Left: 8210.984+/-1.991 χ^2/NDF: 681072.4/10

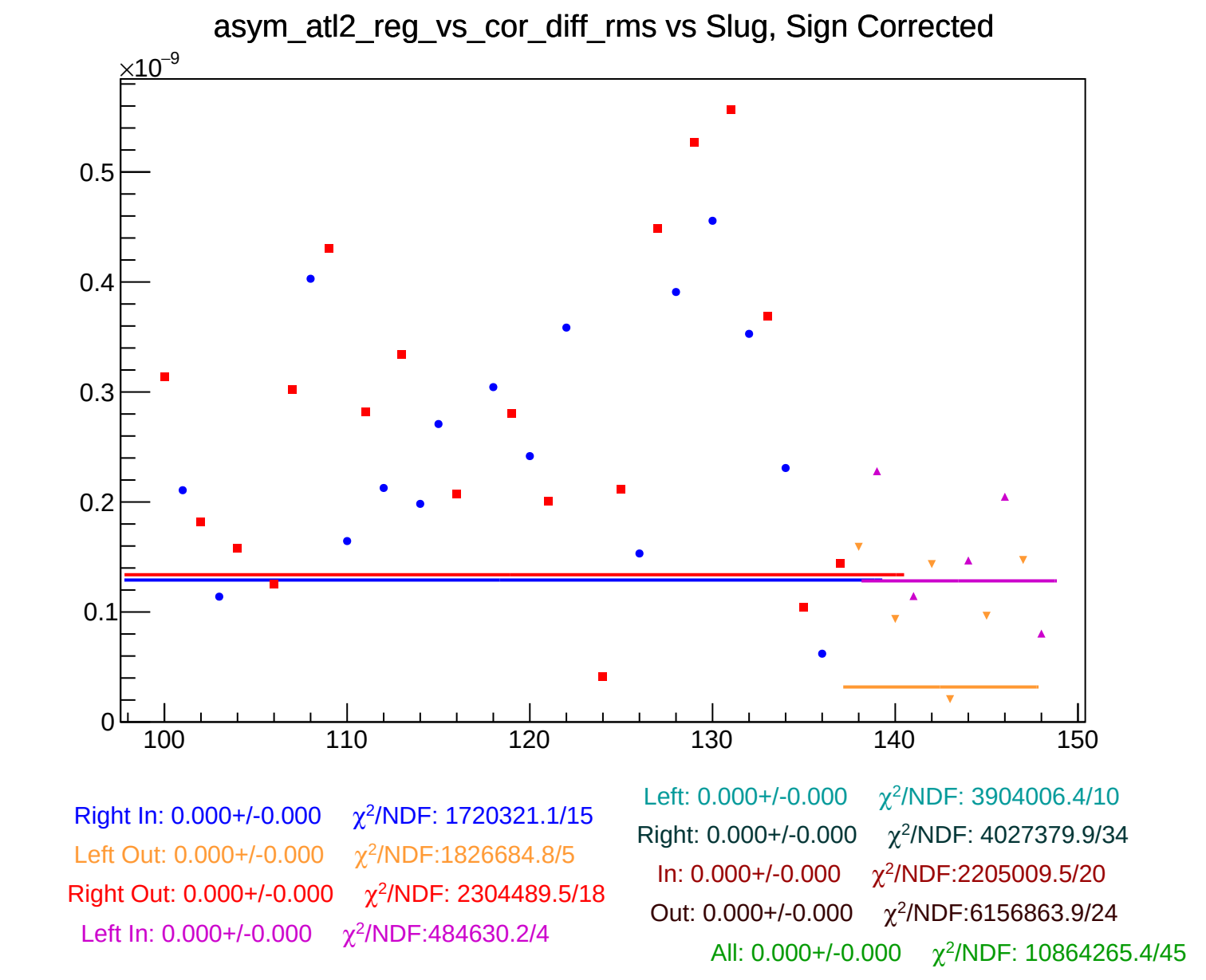
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

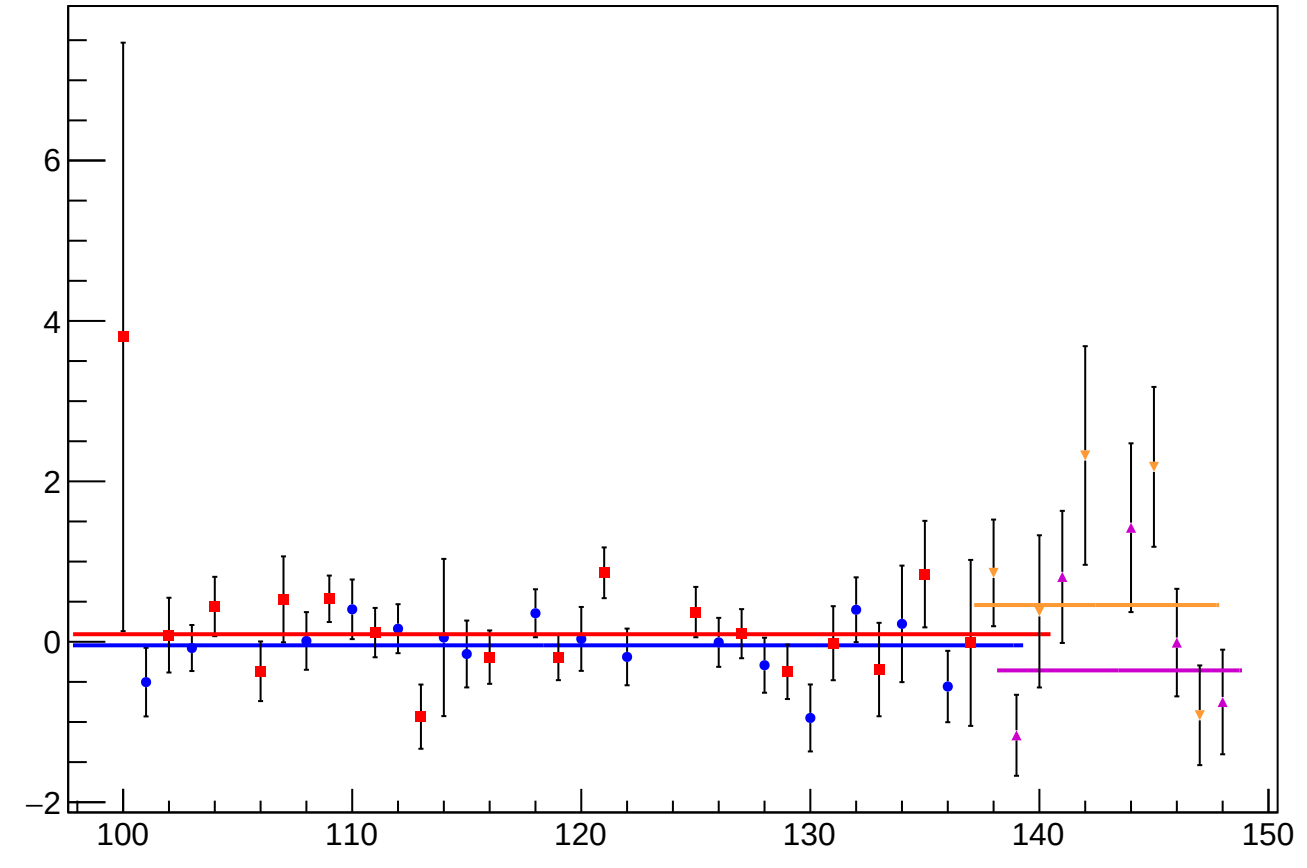
In: 6975.043+/-1.494 χ^2/NDF:1275021.3/20

Out: 6614.517+/-1.397 χ^2/NDF:1169538.5/24

All: 6782.639+/-1.021 χ^2/NDF: 2475618.3/45


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:8.1/4
Left: 0.000+/-0.000 χ²/NDF: 15.0/10
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:29.3/20
Out: 0.000+/-0.000 χ²/NDF:26.1/24
All: -0.000+/-0.000 χ²/NDF: 62.0/45


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1826684.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:484630.2/4
Left: 0.000+/-0.000 χ²/NDF: 3904006.4/10
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:2205009.5/20
Out: 0.000+/-0.000 χ²/NDF:6156863.9/24
All: 0.000+/-0.000 χ²/NDF: 10864265.4/45



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.357+/-0.303 χ^2/NDF:8.1/4

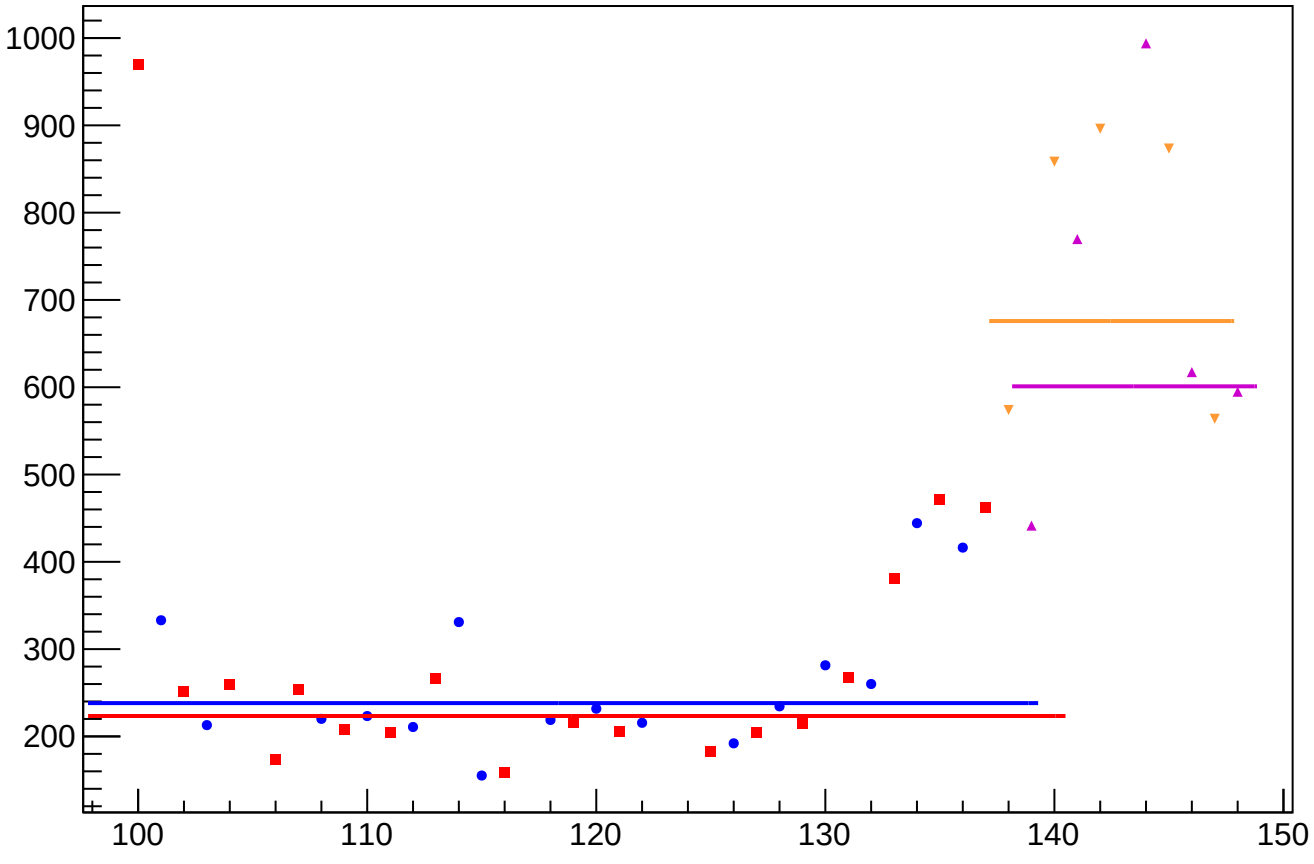
Left: -0.024+/-0.233 χ^2/NDF: 21.1/9

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.090 χ^2/NDF:22.1/20

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.024+/-0.063 χ^2/NDF: 60.7/43



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 675.835+/-0.258 χ^2/NDF:316874.0/4

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

Left: 631.583+/-0.165 χ^2/NDF: 930622.8/9

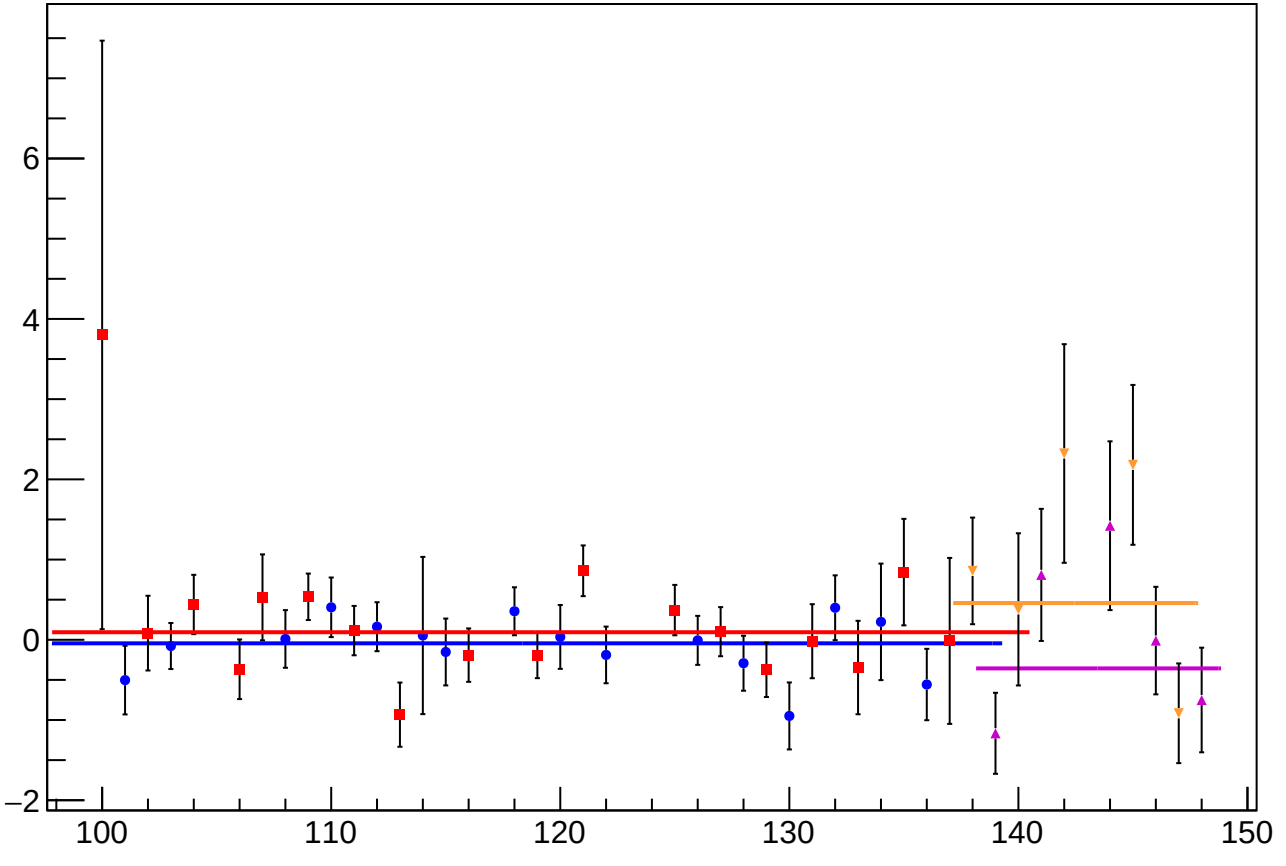
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 269.863+/-0.063 χ^2/NDF:3985938.9/20

Out: 249.347+/-0.062 χ^2/NDF:4077091.9/22

All: 259.350+/-0.044 χ^2/NDF: 8116748.5/43

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: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.357+/-0.303 χ^2/NDF:8.1/4

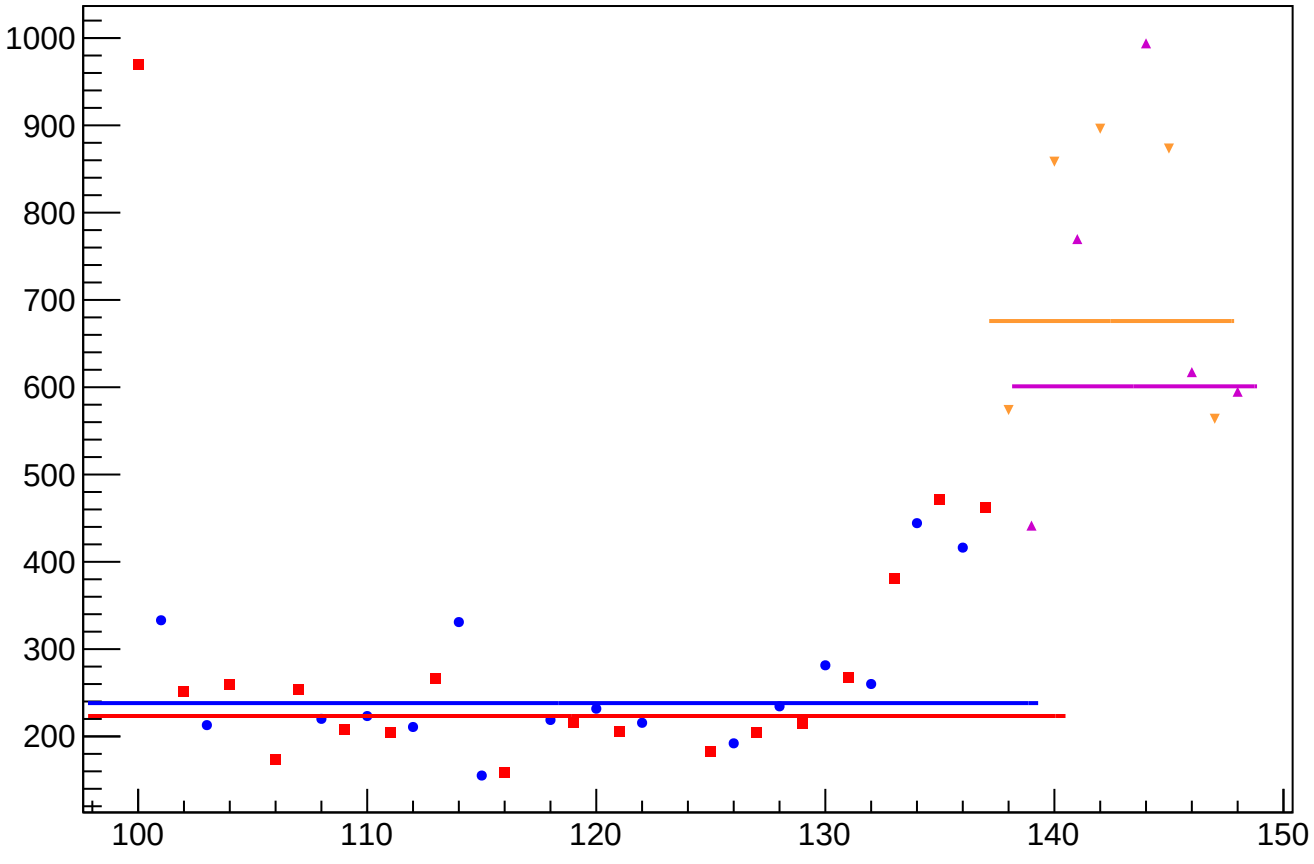
Left: -0.024+/-0.233 χ^2/NDF: 21.1/9

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.090 χ^2/NDF:22.1/20

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.024+/-0.063 χ^2/NDF: 60.7/43



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 675.835+/-0.258 χ^2/NDF:316874.0/4

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

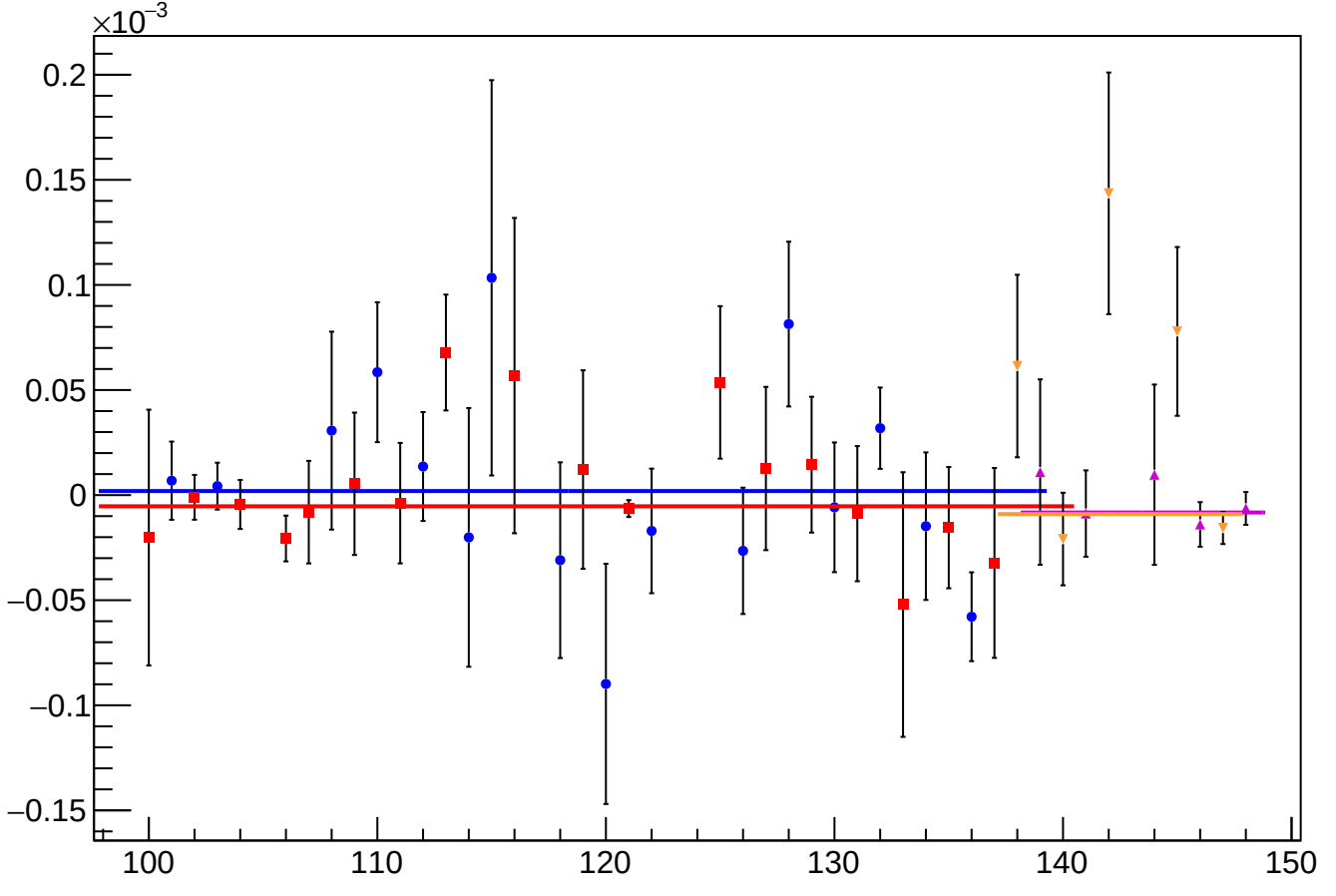
Left: 631.583+/-0.165 χ^2/NDF: 930622.8/9

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 269.863+/-0.063 χ^2/NDF:3985938.9/20

Out: 249.347+/-0.062 χ^2/NDF:4077091.9/22

All: 259.350+/-0.044 χ^2/NDF: 8116748.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/4

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

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

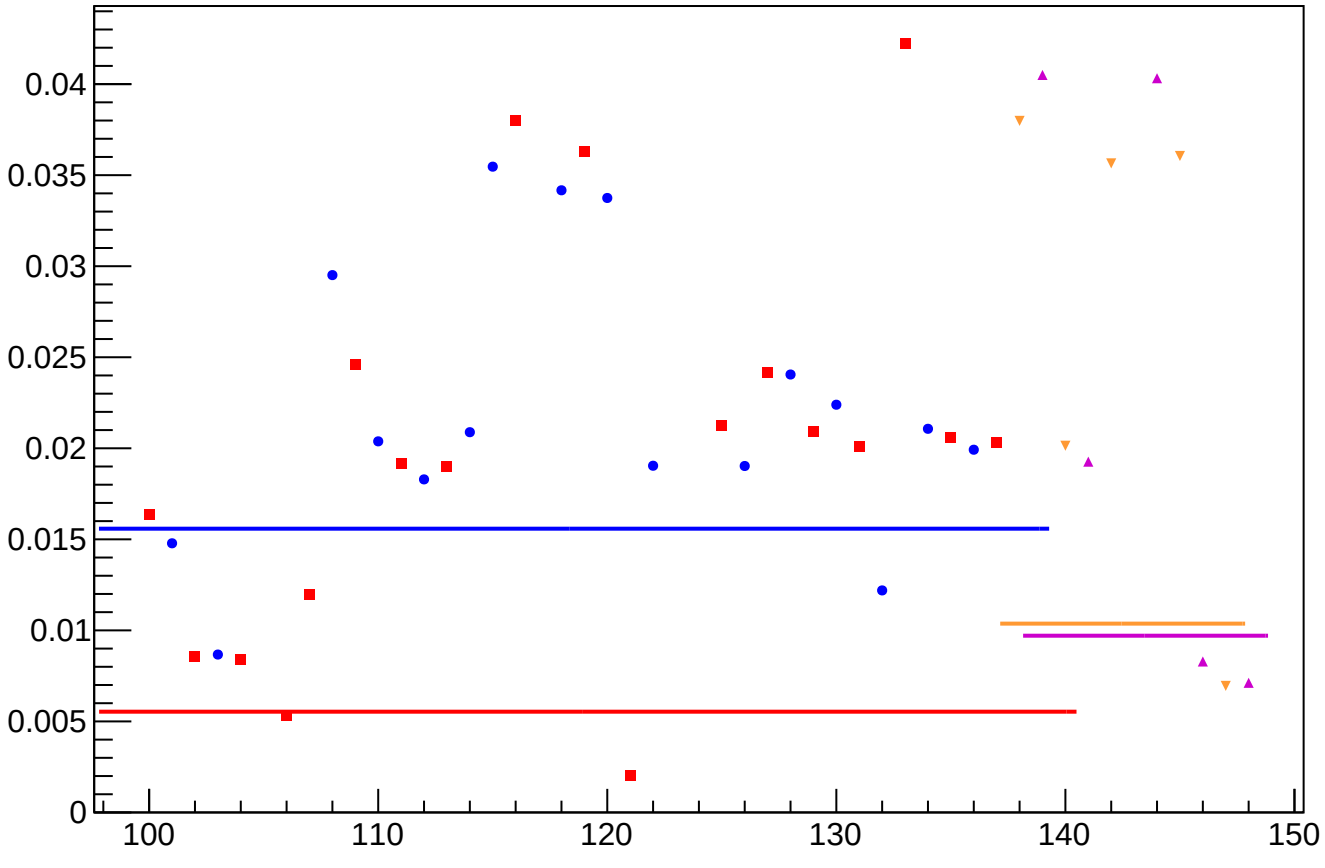
Left: -0.000+/-0.000 χ^2/NDF: 16.1/9

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: -0.000+/-0.000 χ^2/NDF:26.1/20

Out: -0.000+/-0.000 χ^2/NDF:30.2/22

All: -0.000+/-0.000 χ^2/NDF: 56.5/43



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:2806590.7/4

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:2682678.9/4

Left: 0.010+/-0.000 χ^2/NDF: 5499832.0/9

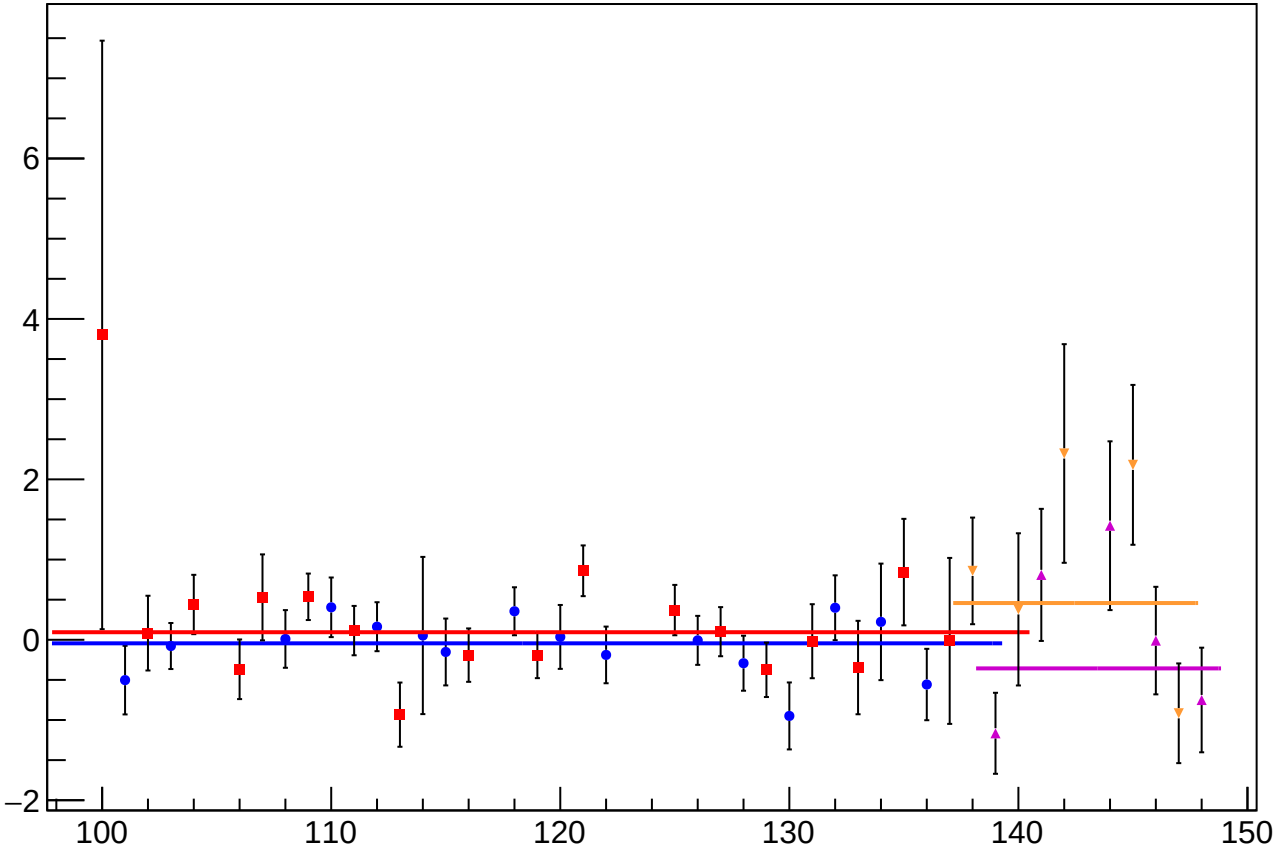
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.012+/-0.000 χ^2/NDF:5673476.8/20

Out: 0.006+/-0.000 χ^2/NDF:11557000.4/22

All: 0.008+/-0.000 χ^2/NDF: 19914358.0/43

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: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.357+/-0.303 χ^2/NDF:8.1/4

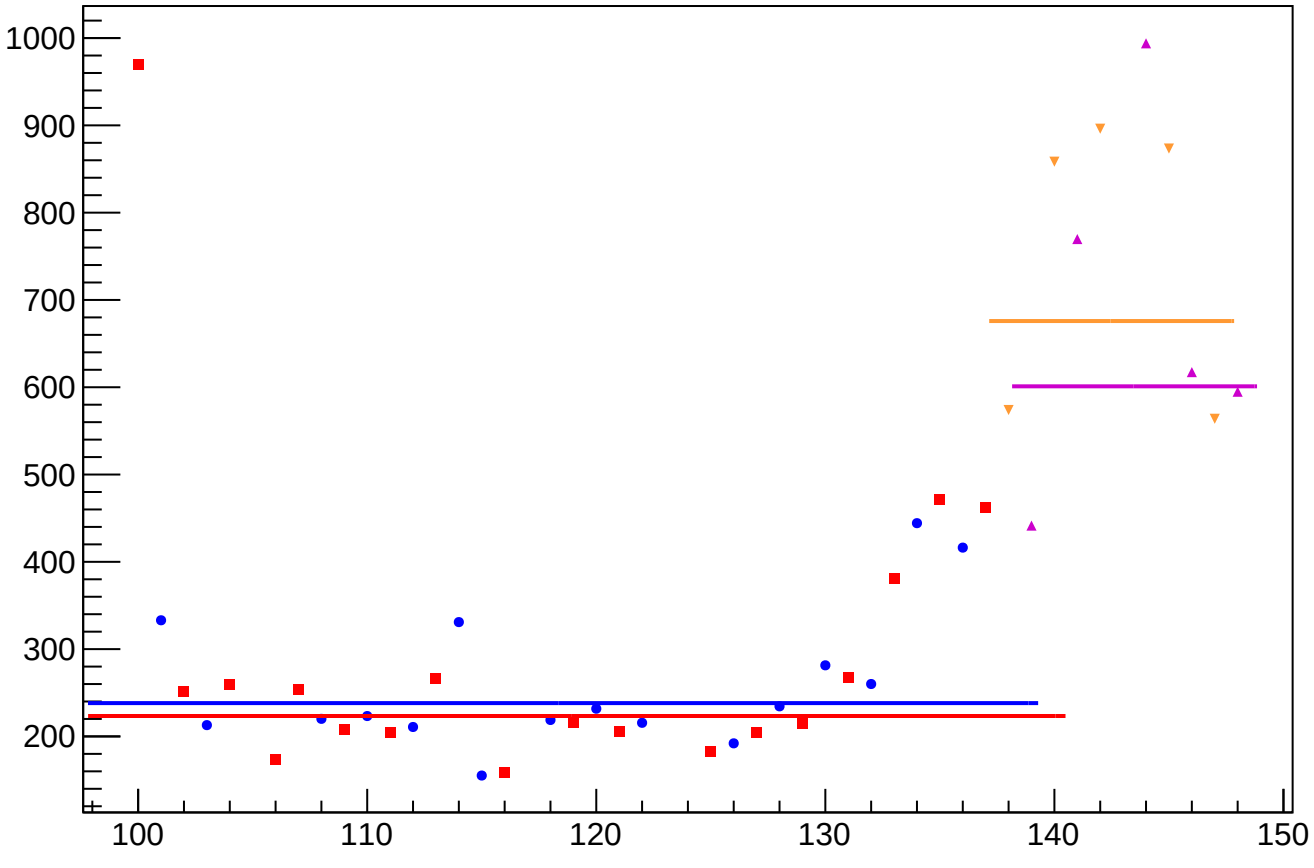
Left: -0.024+/-0.233 χ^2/NDF: 21.1/9

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.090 χ^2/NDF:22.1/20

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.024+/-0.063 χ^2/NDF: 60.7/43



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 675.840+/-0.258 χ^2/NDF:316899.9/4

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

Left: 631.591+/-0.165 χ^2/NDF: 930620.1/9

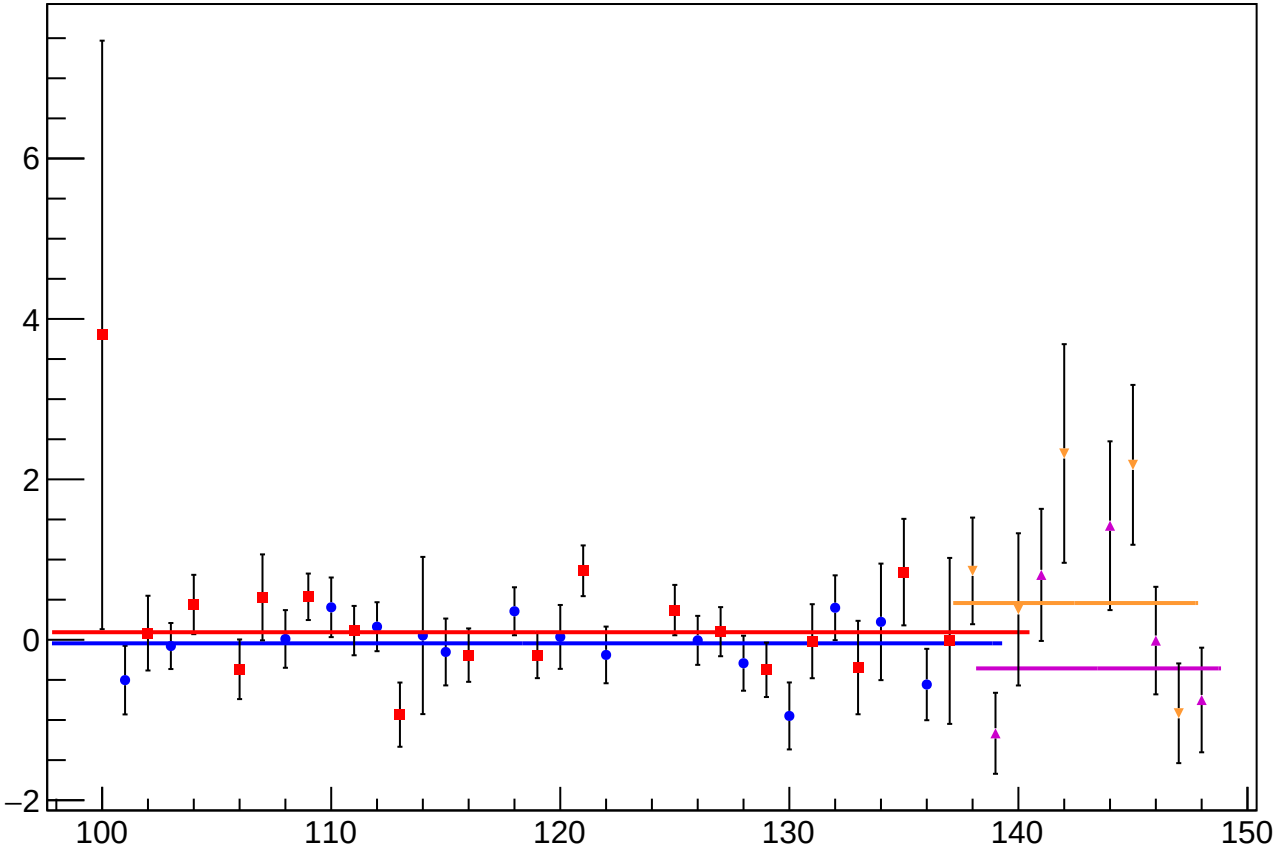
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 269.863+/-0.063 χ^2/NDF:3985938.4/20

Out: 249.348+/-0.062 χ^2/NDF:4077055.0/22

All: 259.352+/-0.044 χ^2/NDF: 8116706.7/43

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: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.357+/-0.303 χ^2/NDF:8.1/4

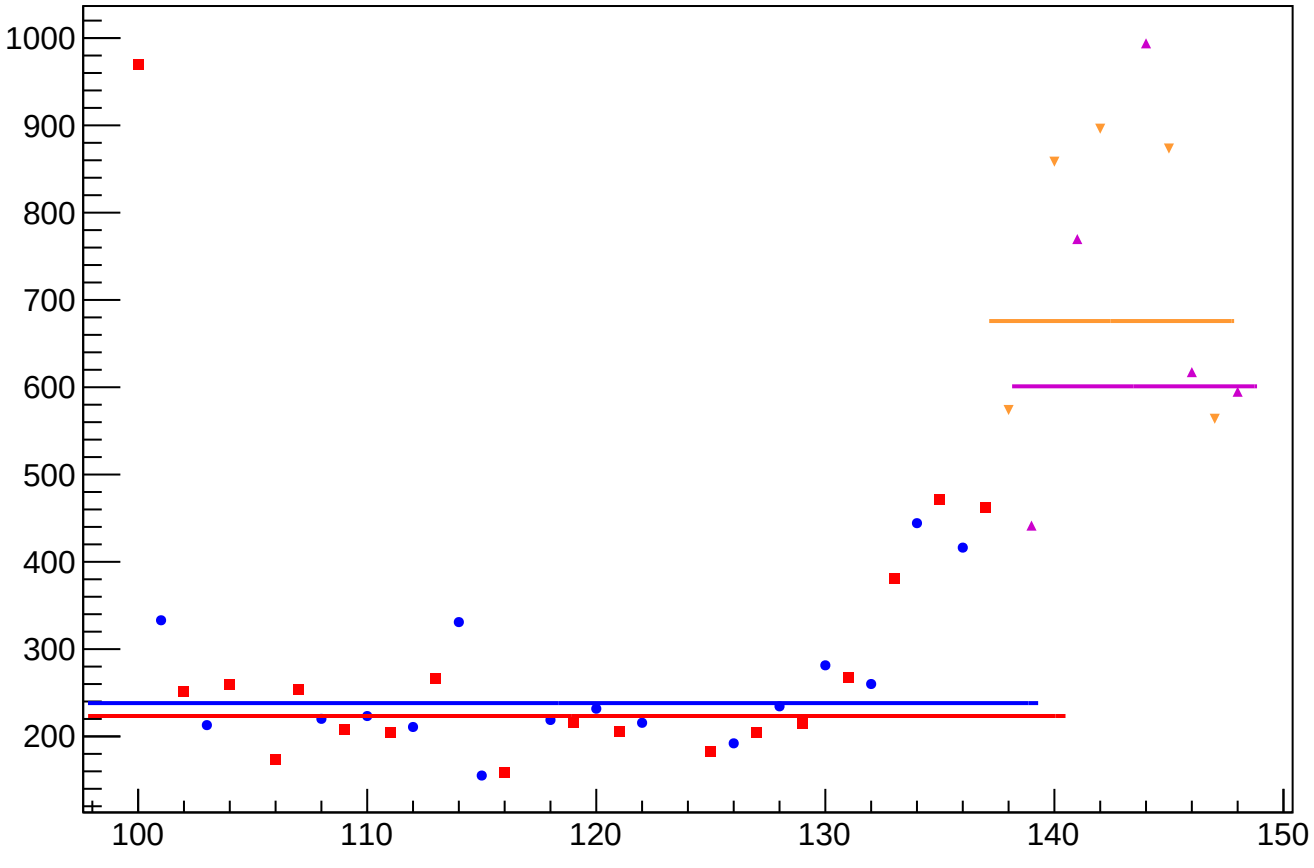
Left: -0.024+/-0.233 χ^2/NDF: 21.1/9

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.090 χ^2/NDF:22.1/20

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.024+/-0.063 χ^2/NDF: 60.7/43



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 675.840+/-0.258 χ^2/NDF:316899.9/4

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

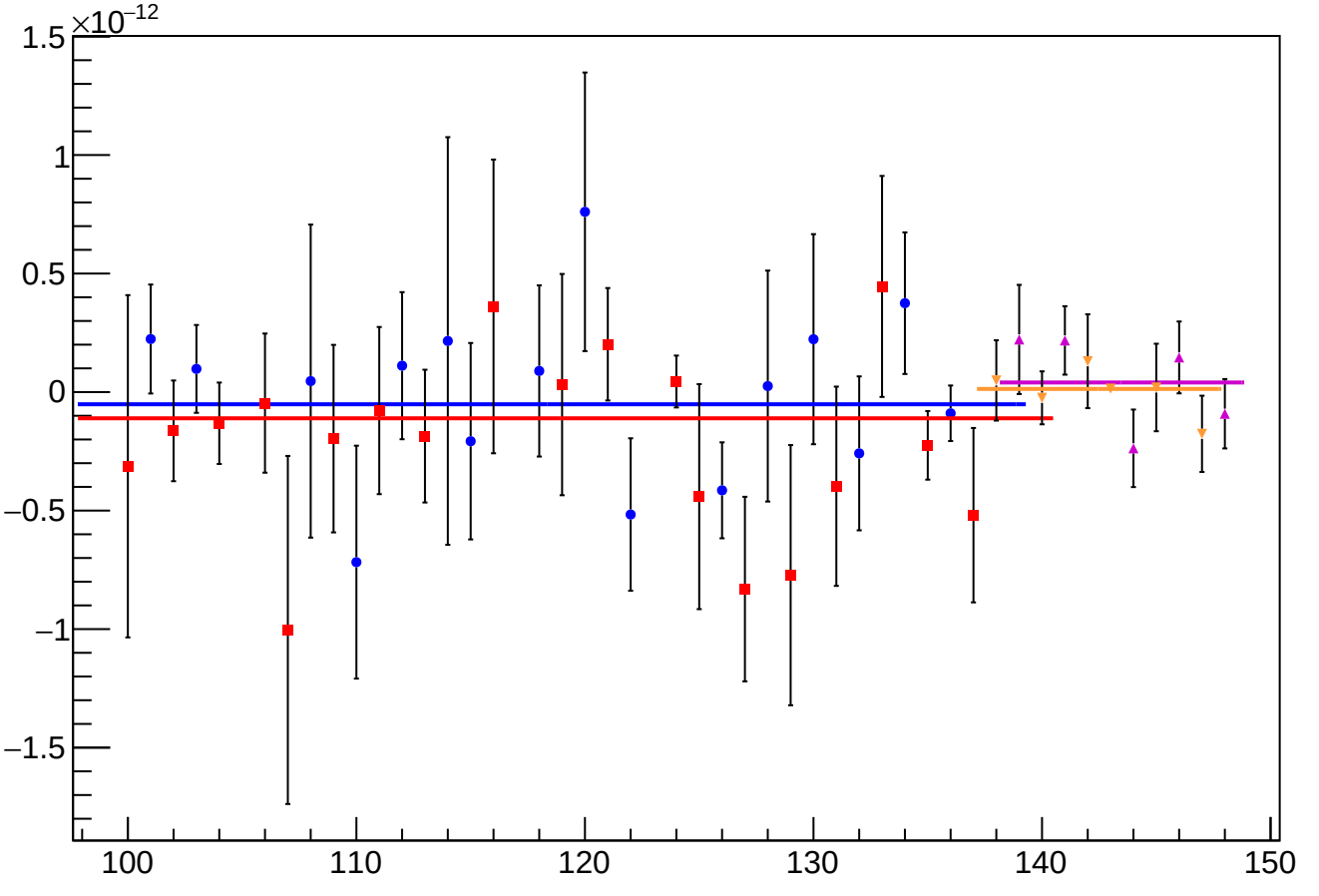
Left: 631.591+/-0.165 χ^2/NDF: 930620.1/9

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 269.863+/-0.063 χ^2/NDF:3985938.4/20

Out: 249.348+/-0.062 χ^2/NDF:4077055.0/22

All: 259.352+/-0.044 χ^2/NDF: 8116706.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/4

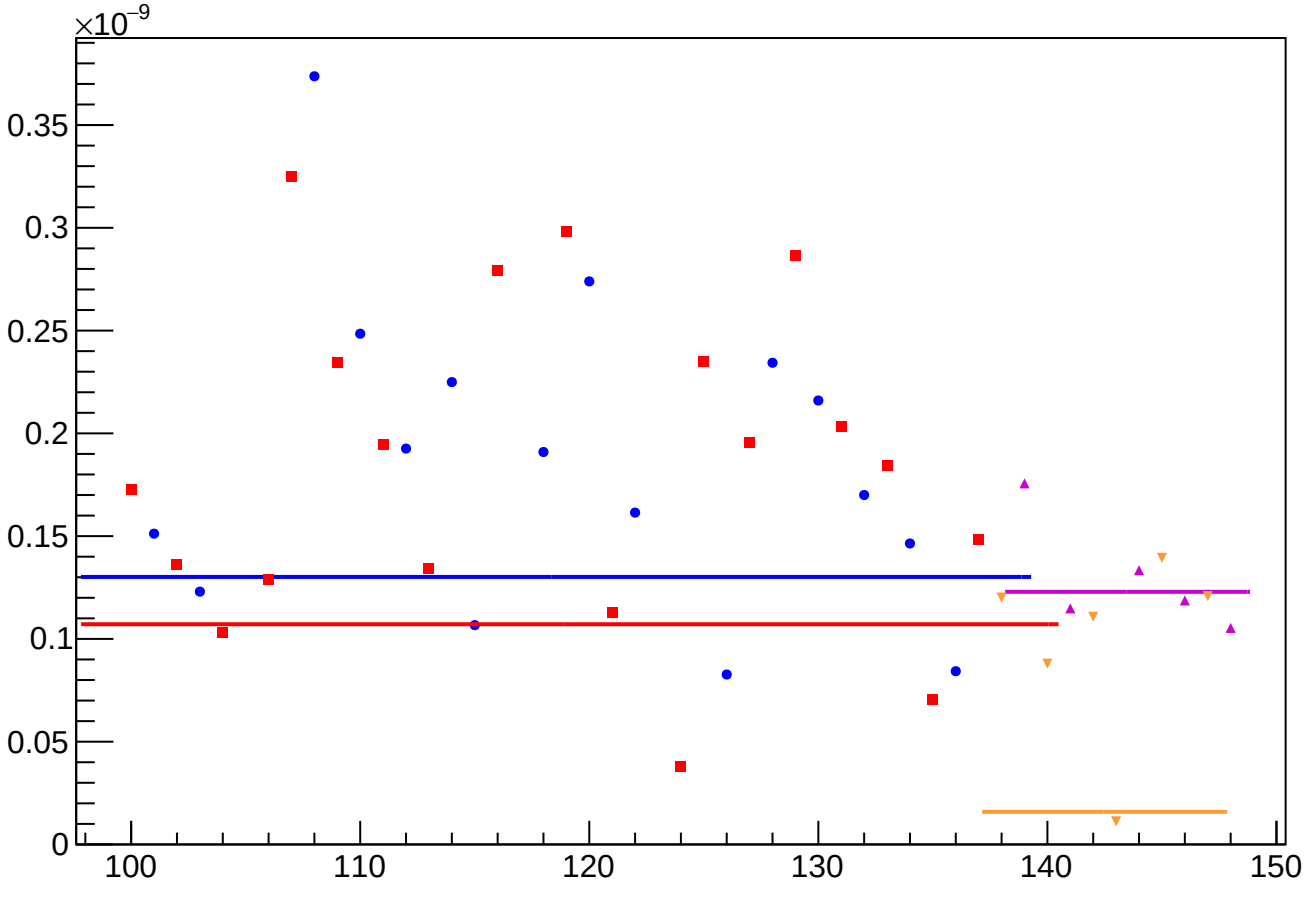
Left: 0.000+/-0.000 χ^2/NDF: 8.4/10

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:22.0/20

Out: 0.000+/-0.000 χ^2/NDF:21.4/24

All: 0.000+/-0.000 χ^2/NDF: 43.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3976518.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:149836.9/4

Left: 0.000+/-0.000 χ^2/NDF: 8394275.7/10

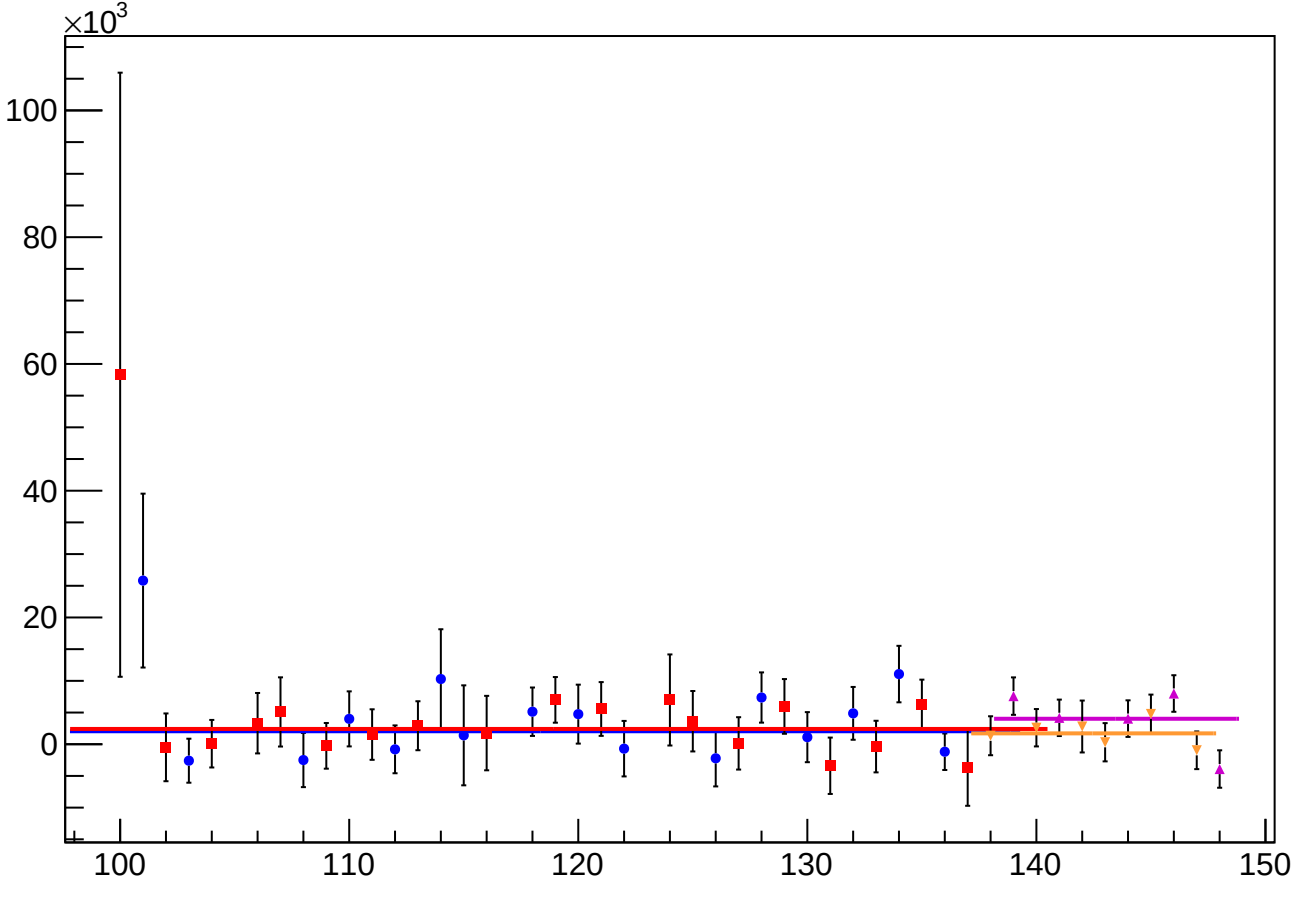
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1494899.4/20

Out: 0.000+/-0.000 χ^2/NDF:11121757.8/24

All: 0.000+/-0.000 χ^2/NDF: 21056155.9/45

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.694+/-1279.610 χ^2/NDF:2.2/5

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 4018.402+/-1301.395 χ^2/NDF:10.6/4

Left: 2846.597+/-912.426 χ^2/NDF: 14.4/10

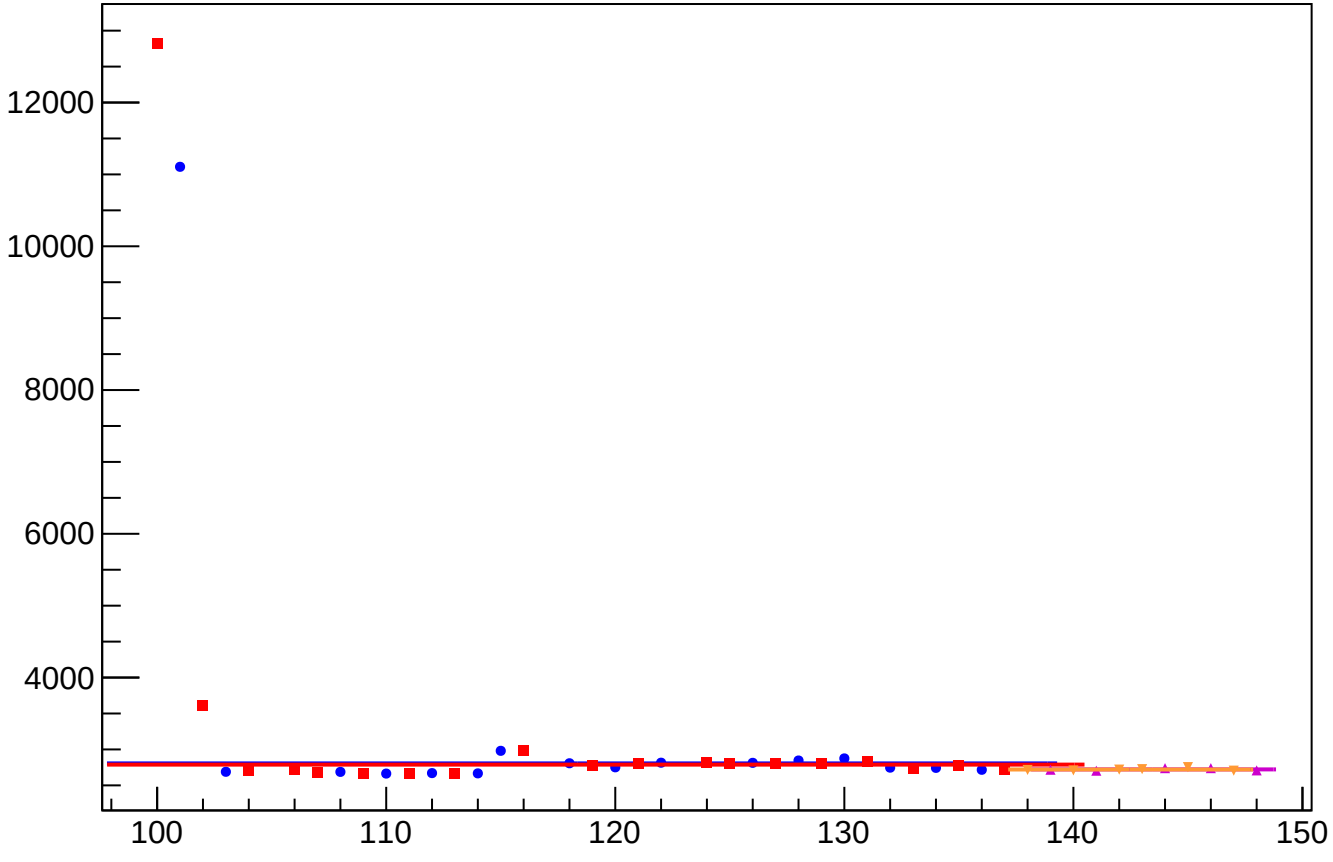
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2843.988+/-826.689 χ^2/NDF:29.7/20

Out: 2135.592+/-804.939 χ^2/NDF:13.1/24

All: 2480.349+/-576.714 χ^2/NDF: 43.3/45

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

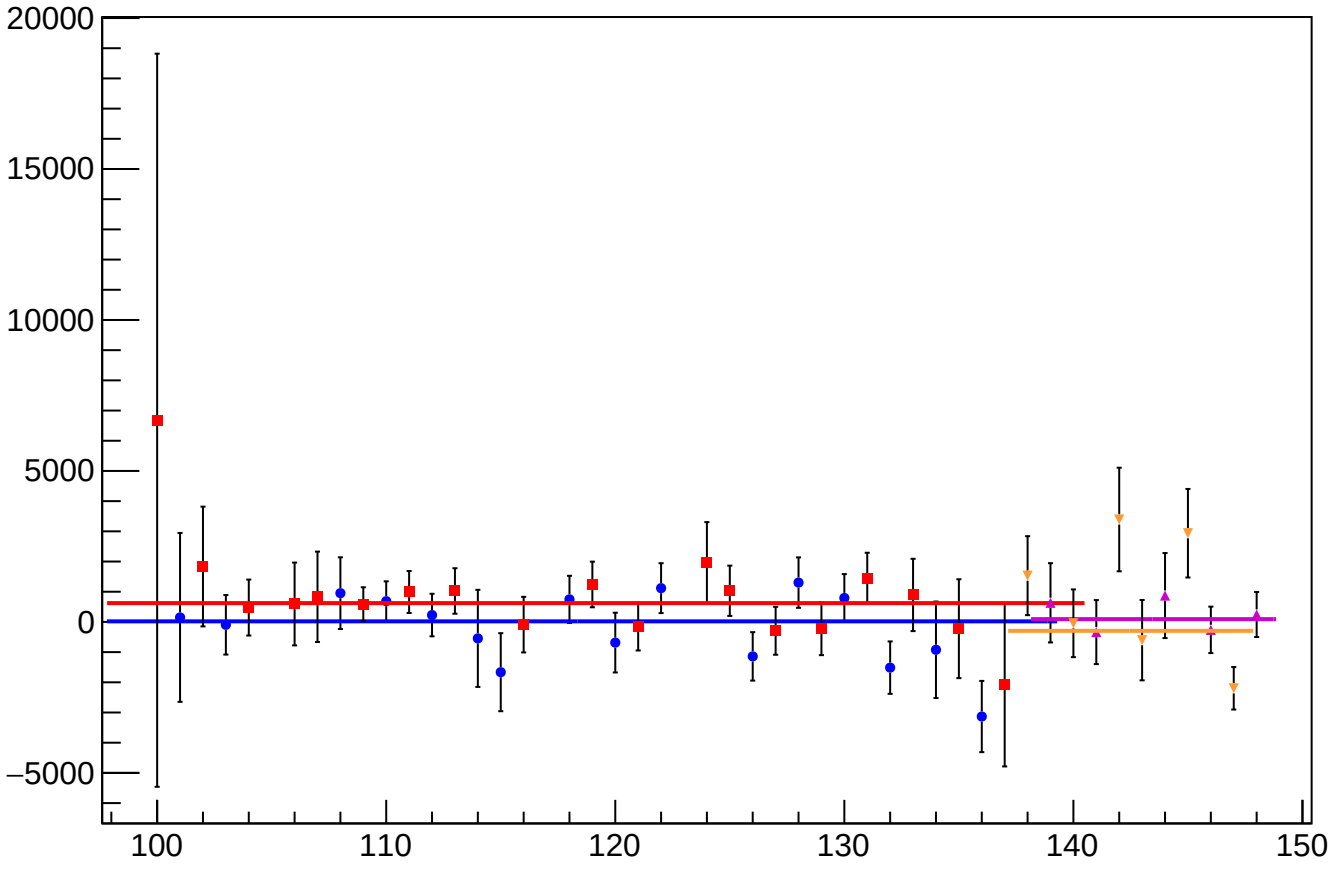
Left: 2721.456+/-0.645 χ^2/NDF: 615.6/10

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2771.832+/-0.585 χ^2/NDF:751399.7/20

Out: 2761.901+/-0.569 χ^2/NDF:150757.6/24

All: 2766.734+/-0.408 χ^2/NDF: 902305.5/45



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -295.174+/-457.780 χ^2/NDF:18.9/5

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 92.388+/-427.842 χ^2/NDF:0.9/4

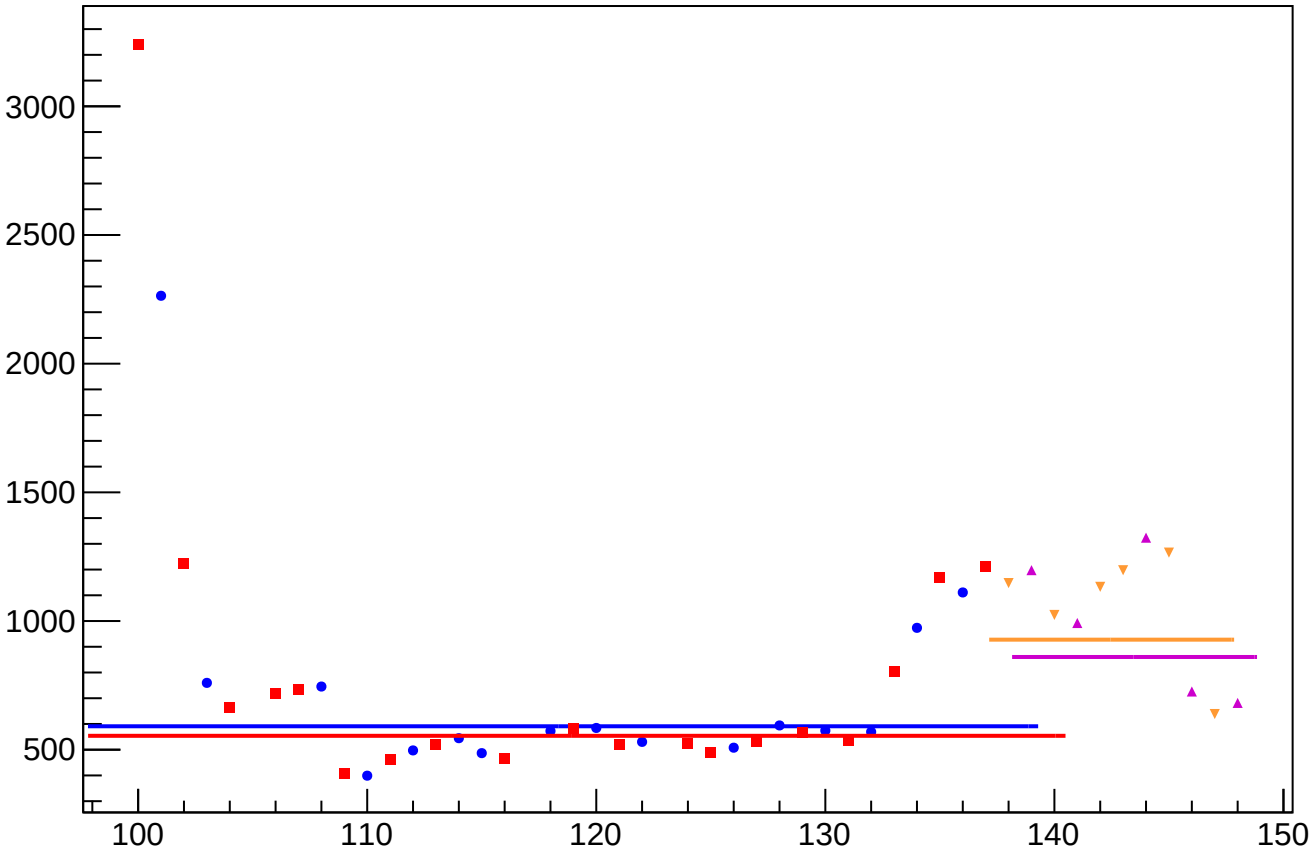
Left: -88.307+/-312.578 χ^2/NDF: 20.1/10

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 35.826+/-204.951 χ^2/NDF:23.7/20

Out: 455.959+/-195.308 χ^2/NDF:31.4/24

All: 256.008+/-141.390 χ^2/NDF: 57.3/45



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 927.592+/-0.324 χ^2/NDF:626238.7/5

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 860.285+/-0.303 χ^2/NDF:555365.2/4

Left: 891.666+/-0.221 χ^2/NDF: 1204681.0/10

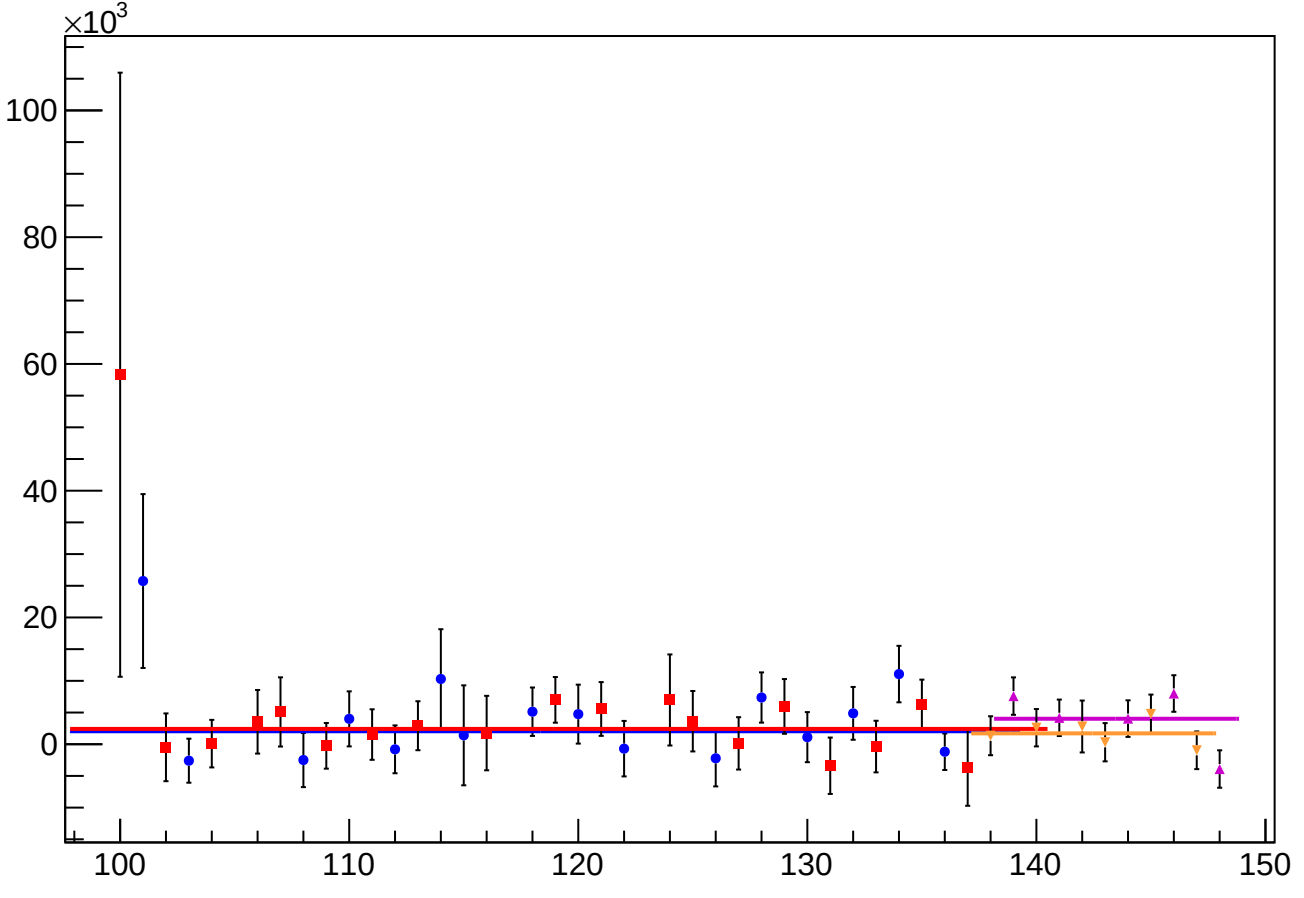
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 652.825+/-0.145 χ^2/NDF:2733329.3/20

Out: 621.987+/-0.138 χ^2/NDF:2832822.9/24

All: 636.664+/-0.100 χ^2/NDF: 5589882.2/45

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.795+/-1279.610 χ^2/NDF:2.2/5

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 4018.565+/-1301.395 χ^2/NDF:10.6/4

Left: 2846.728+/-912.426 χ^2/NDF: 14.4/10

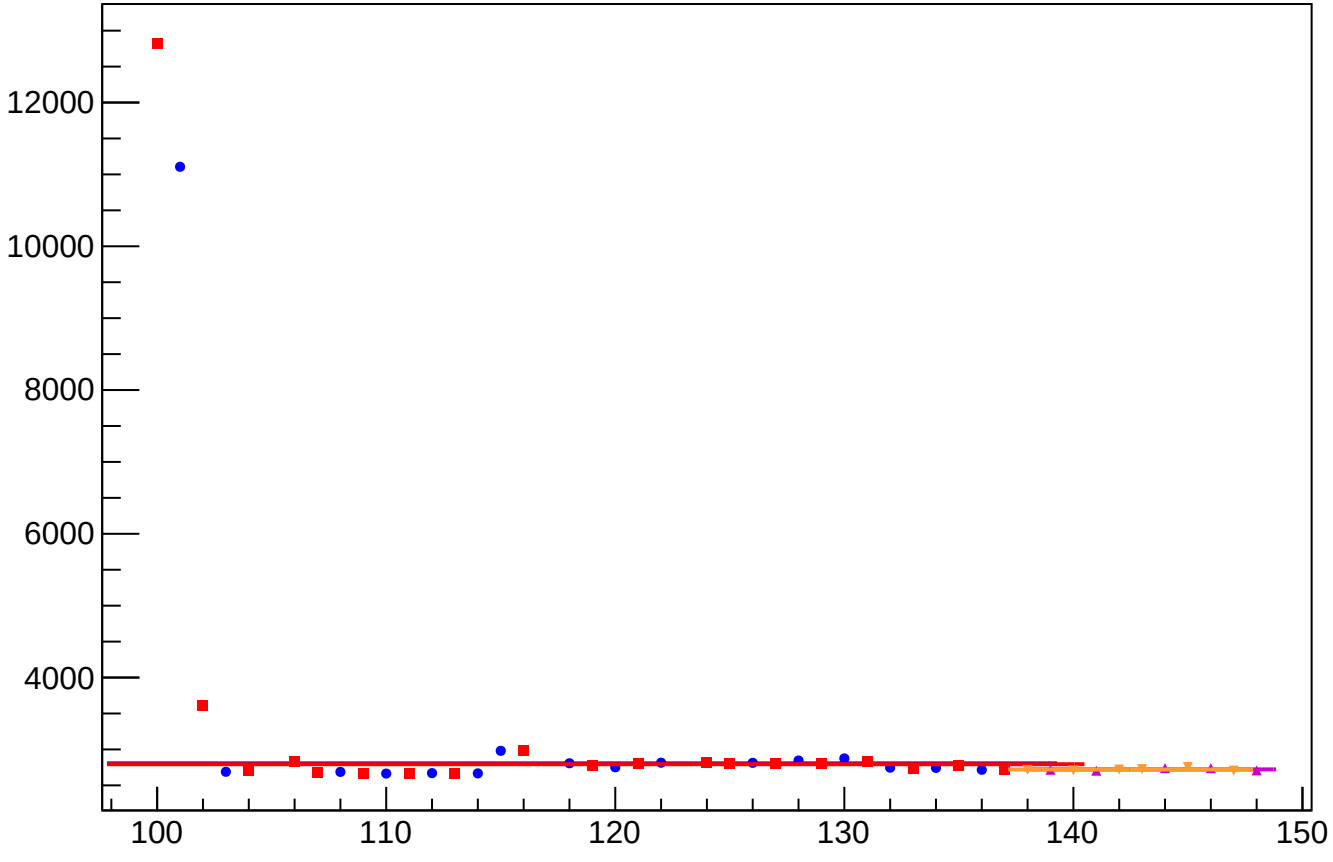
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2843.574+/-826.689 χ^2/NDF:29.7/20

Out: 2138.514+/-806.057 χ^2/NDF:13.2/24

All: 2482.136+/-577.125 χ^2/NDF: 43.3/45

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

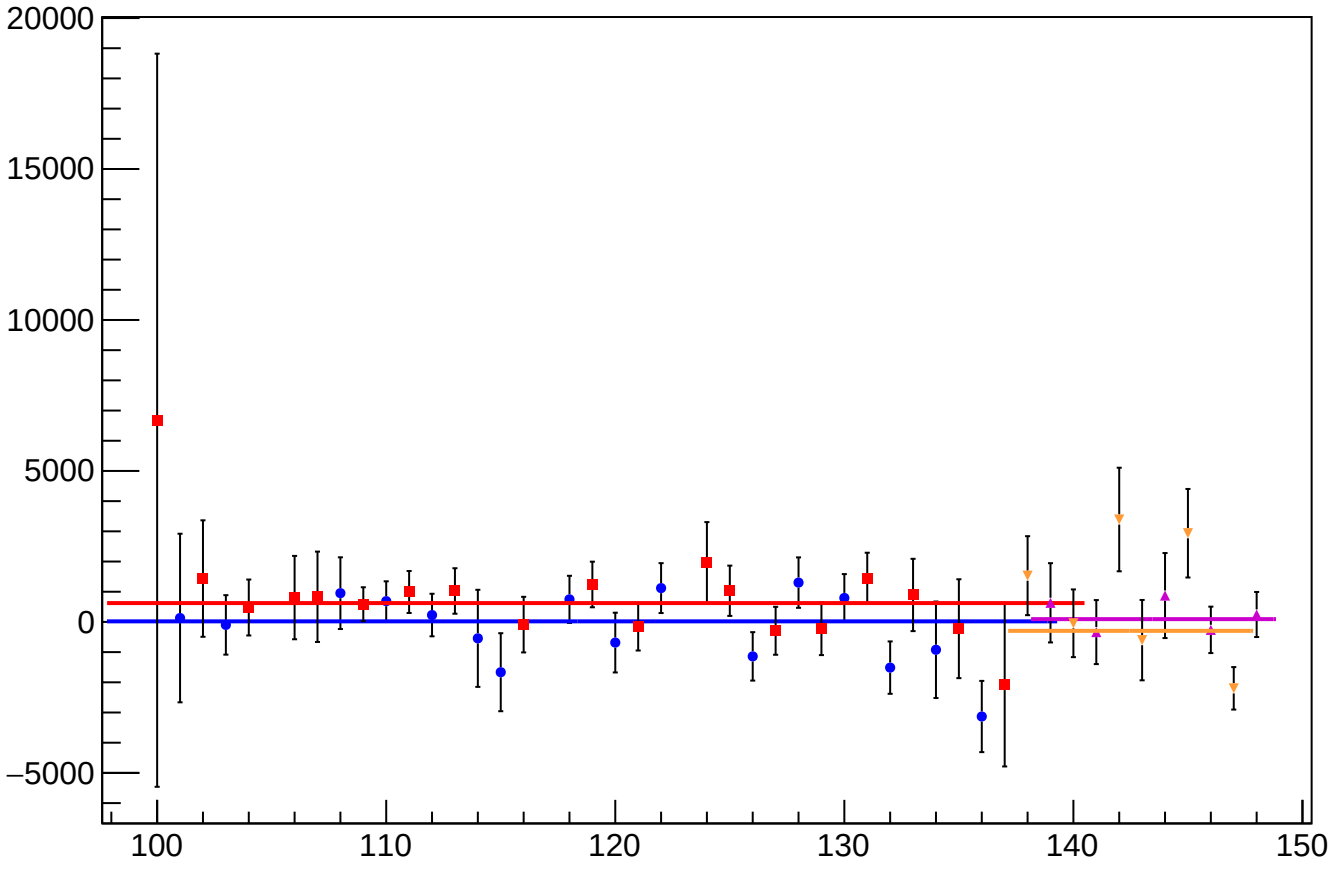
Left: 2721.456+/-0.645 χ^2/NDF: 615.6/10

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2771.832+/-0.585 χ^2/NDF:751398.8/20

Out: 2765.045+/-0.570 χ^2/NDF:151053.3/24

All: 2768.353+/-0.408 χ^2/NDF: 902521.2/45



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -295.498+/-457.784 χ^2/NDF:18.9/5

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 92.458+/-427.834 χ^2/NDF:0.9/4

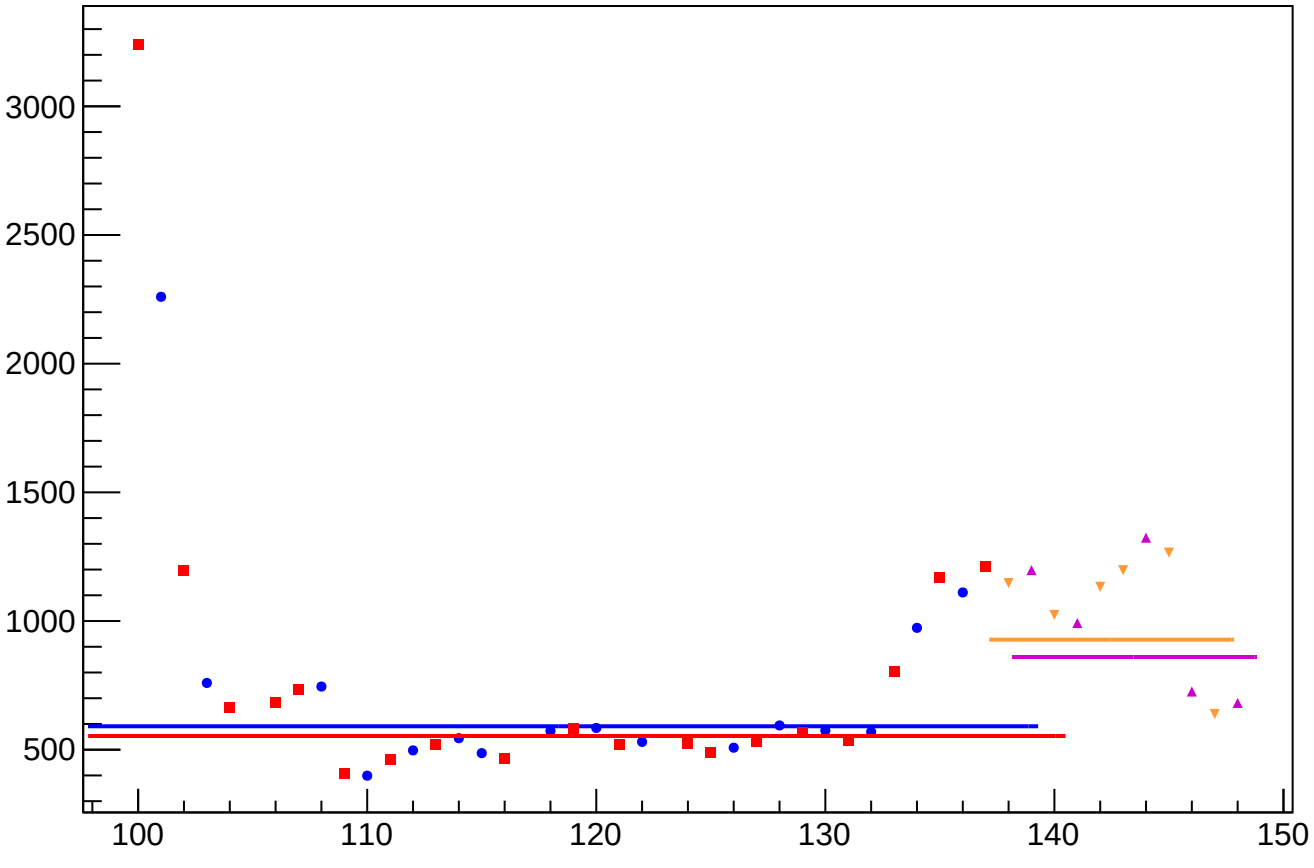
Left: -88.415+/-312.576 χ^2/NDF: 20.1/10

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 35.810+/-204.942 χ^2/NDF:23.7/20

Out: 456.869+/-195.274 χ^2/NDF:31.3/24

All: 256.505+/-141.374 χ^2/NDF: 57.2/45



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 927.601+/-0.324 χ^2/NDF:626158.0/5

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

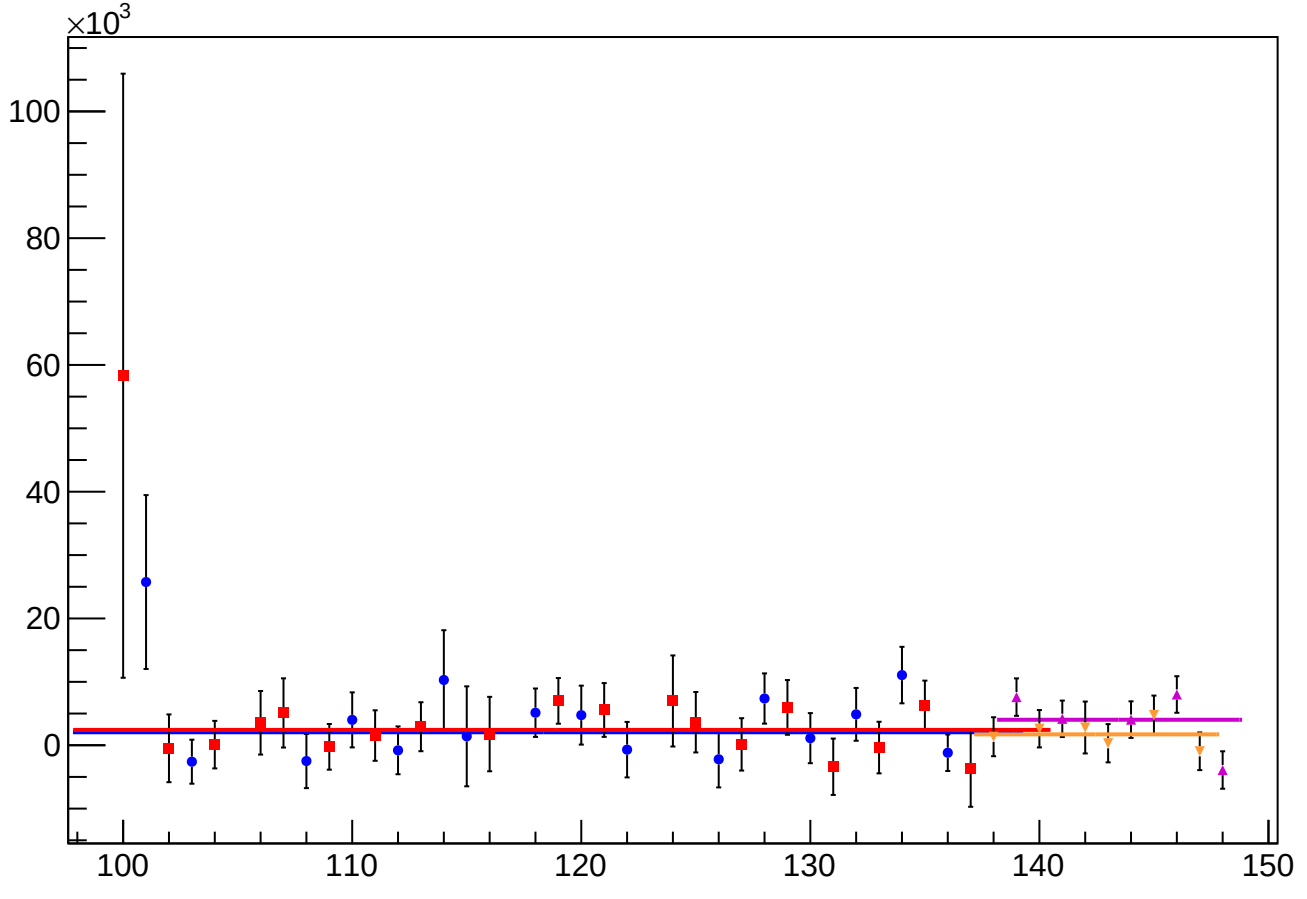
Left: 891.657+/-0.221 χ^2/NDF: 1204694.6/10

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 652.816+/-0.145 χ^2/NDF:2732313.2/20

Out: 621.352+/-0.138 χ^2/NDF:2821976.2/24

All: 636.324+/-0.100 χ^2/NDF: 5578998.6/45



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.795+/-1279.610 χ^2/NDF:2.2/5

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 4018.565+/-1301.395 χ^2/NDF:10.6/4

Left: 2846.728+/-912.426 χ^2/NDF: 14.4/10

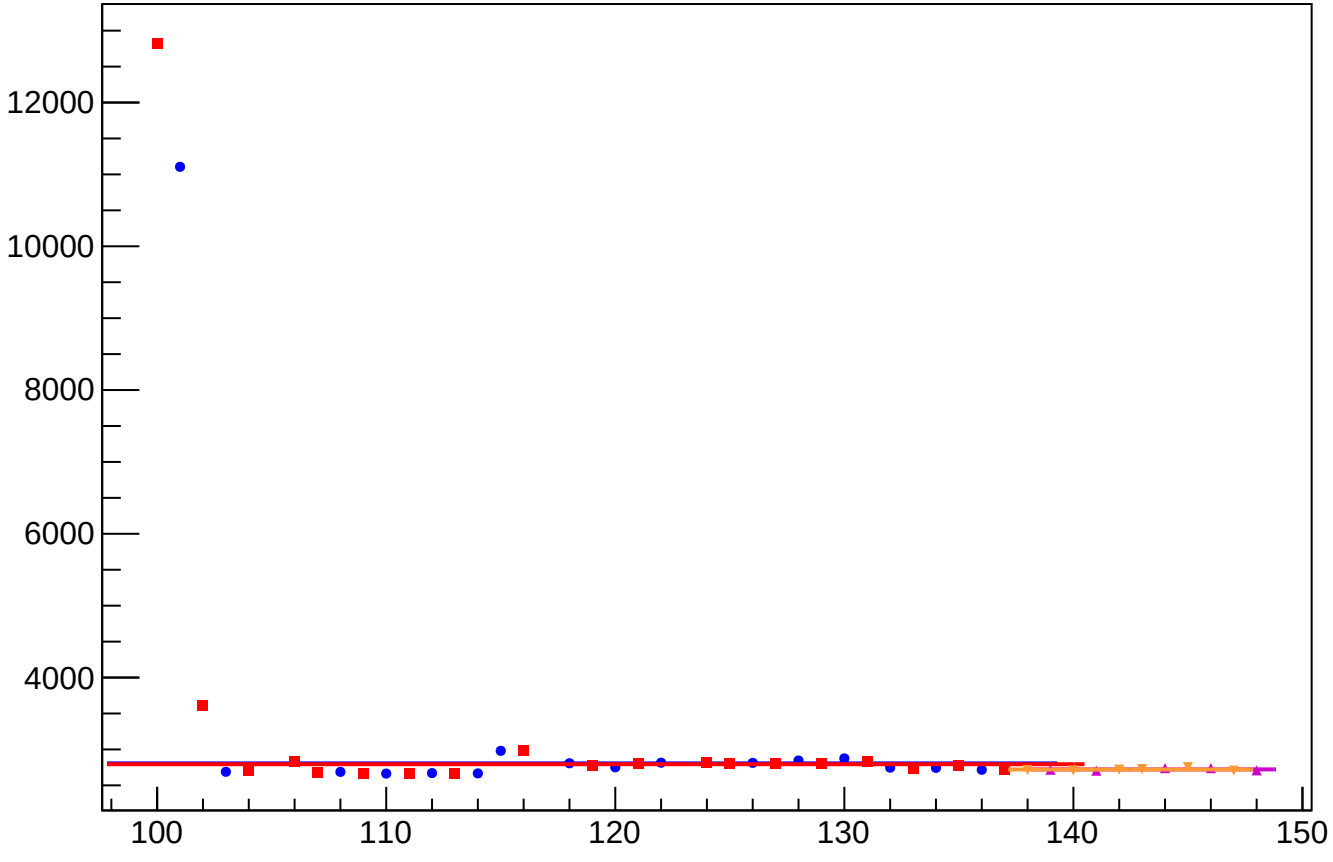
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2843.574+/-826.689 χ^2/NDF:29.7/20

Out: 2138.514+/-806.057 χ^2/NDF:13.2/24

All: 2482.136+/-577.125 χ^2/NDF: 43.3/45

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

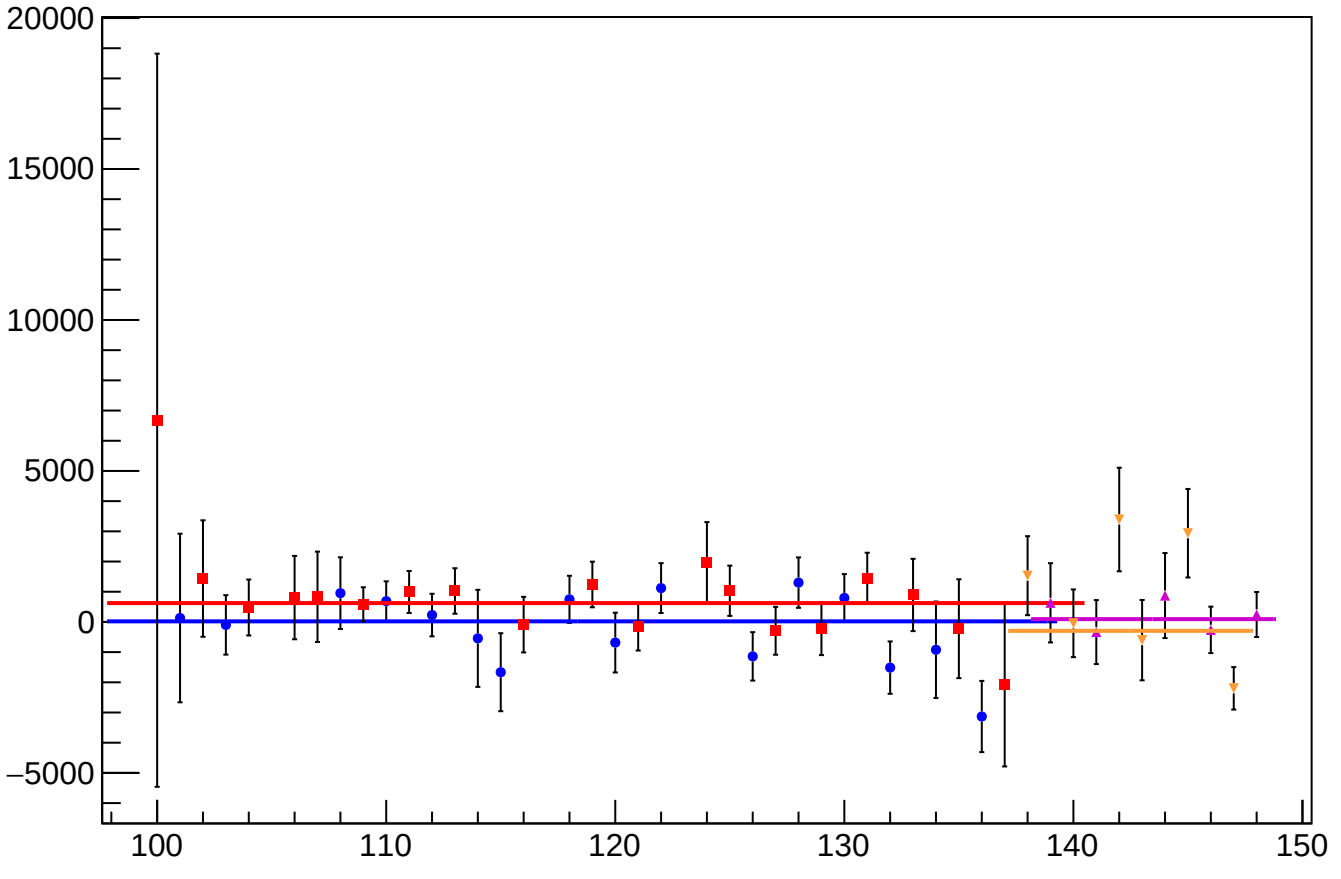
Left: 2721.456+/-0.645 χ^2/NDF: 615.6/10

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2771.832+/-0.585 χ^2/NDF:751398.8/20

Out: 2765.045+/-0.570 χ^2/NDF:151053.3/24

All: 2768.353+/-0.408 χ^2/NDF: 902521.2/45



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -295.498+/-457.784 χ^2/NDF:18.9/5

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 92.458+/-427.834 χ^2/NDF:0.9/4

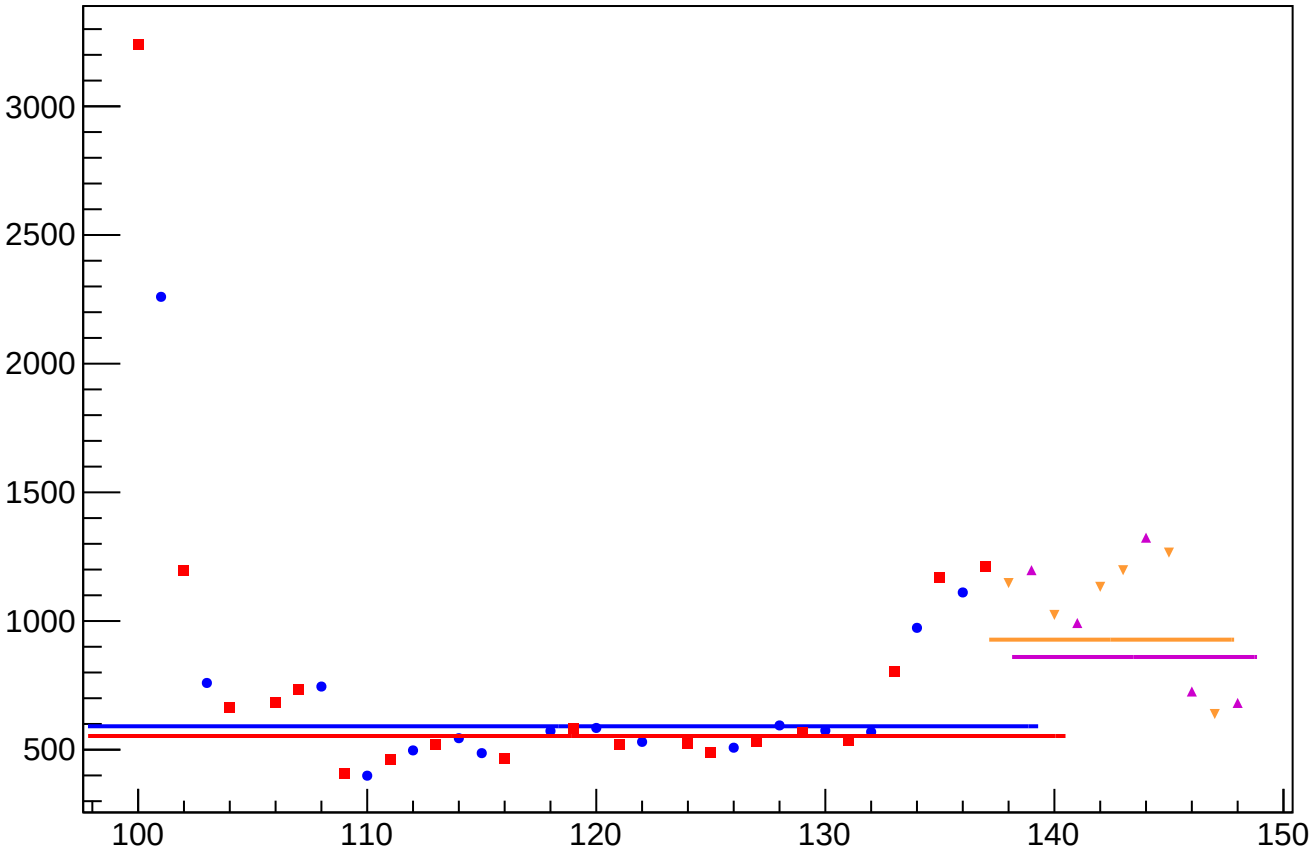
Left: -88.415+/-312.576 χ^2/NDF: 20.1/10

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 35.810+/-204.942 χ^2/NDF:23.7/20

Out: 456.869+/-195.274 χ^2/NDF:31.3/24

All: 256.505+/-141.374 χ^2/NDF: 57.2/45



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 927.601+/-0.324 χ^2/NDF:626158.0/5

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

Left: 891.657+/-0.221 χ^2/NDF: 1204694.6/10

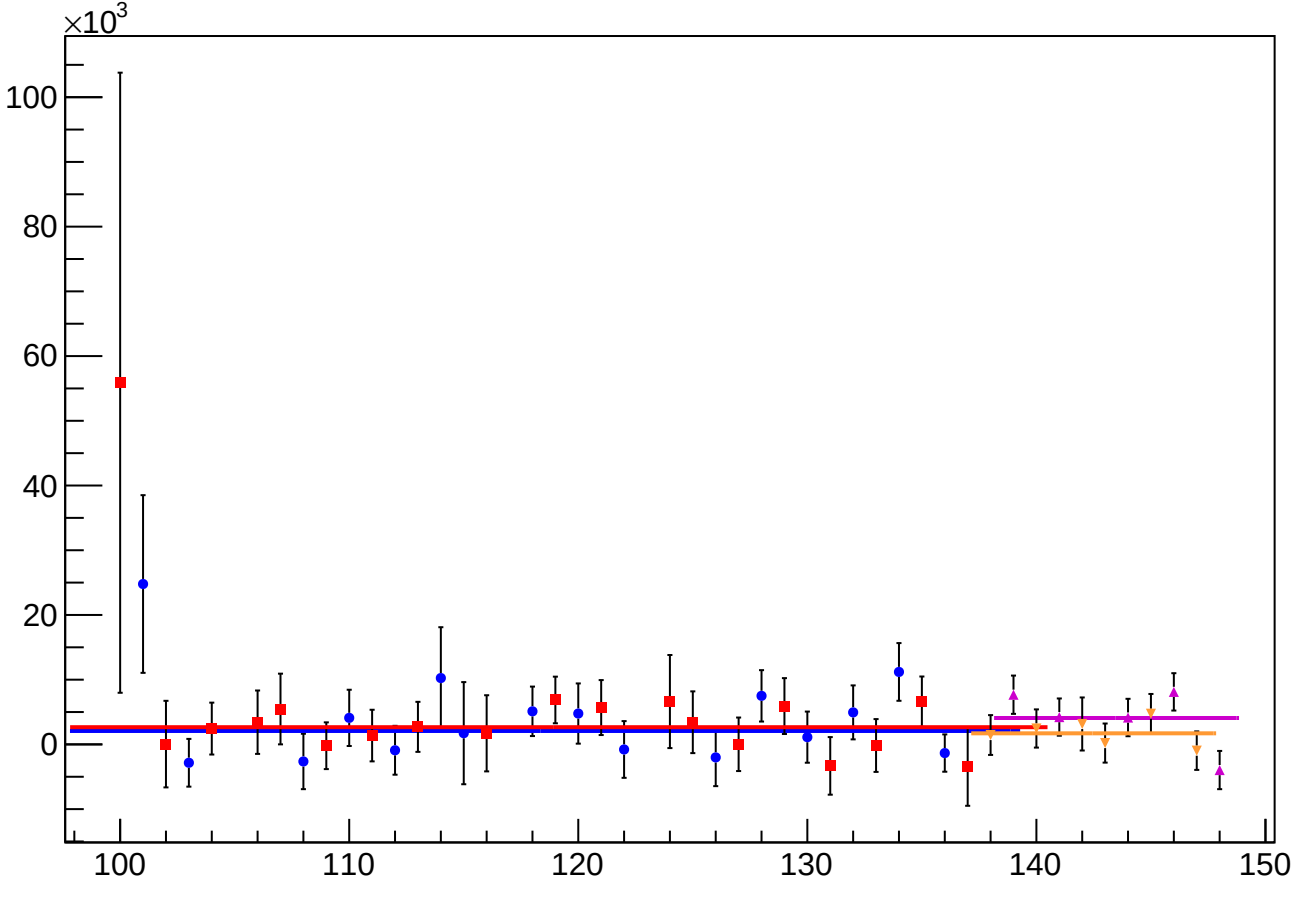
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 652.816+/-0.145 χ^2/NDF:2732313.2/20

Out: 621.352+/-0.138 χ^2/NDF:2821976.2/24

All: 636.324+/-0.100 χ^2/NDF: 5578998.6/45

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1710.404+/-1280.759 χ^2/NDF:2.2/5

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 4079.097+/-1302.457 χ^2/NDF:10.8/4

Left: 2874.855+/-913.208 χ^2/NDF: 14.8/10

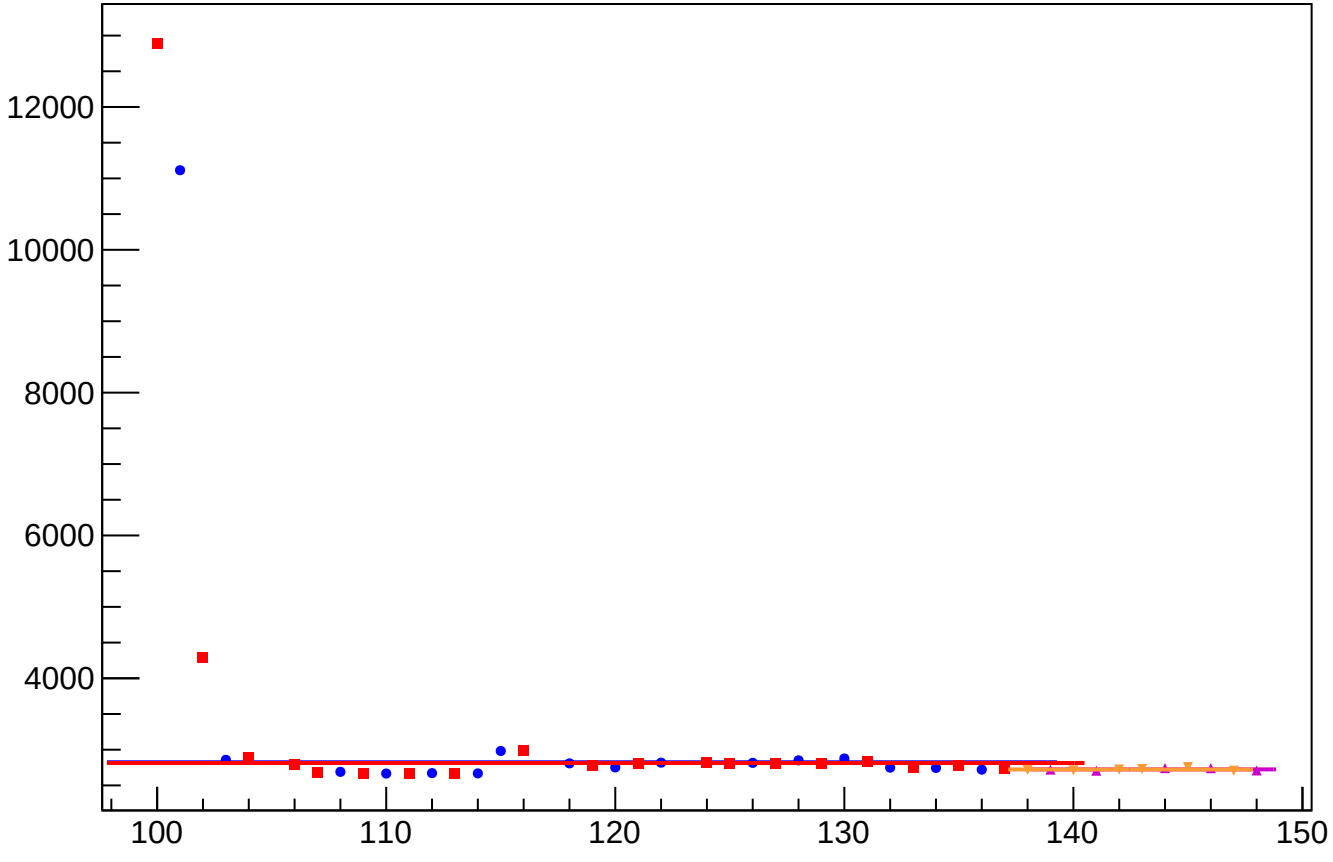
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2888.871+/-830.078 χ^2/NDF:30.1/20

Out: 2276.748+/-811.939 χ^2/NDF:12.5/24

All: 2576.049+/-580.435 χ^2/NDF: 42.9/45

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.225+/-0.906 χ^2/NDF:354.2/5

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2724.343+/-0.921 χ^2/NDF:279.5/4

Left: 2723.775+/-0.646 χ^2/NDF: 634.4/10

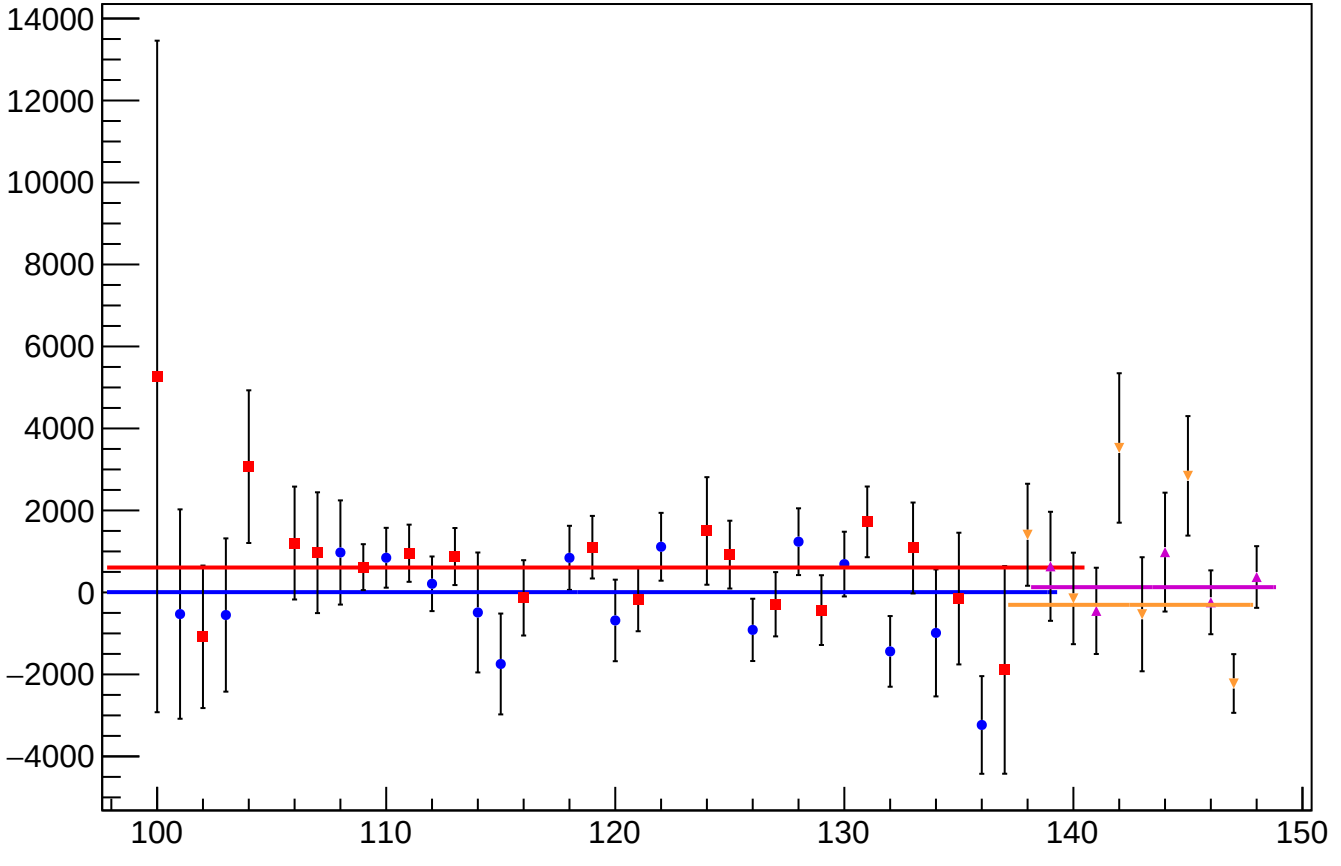
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2783.194+/-0.587 χ^2/NDF:751071.8/20

Out: 2777.411+/-0.574 χ^2/NDF:206851.5/24

All: 2780.239+/-0.410 χ^2/NDF: 957972.9/45

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -302.812+/-461.862 χ^2/NDF:18.2/5

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 128.554+/-431.928 χ^2/NDF:1.1/4

Left: -72.699+/-315.471 χ^2/NDF: 19.8/10

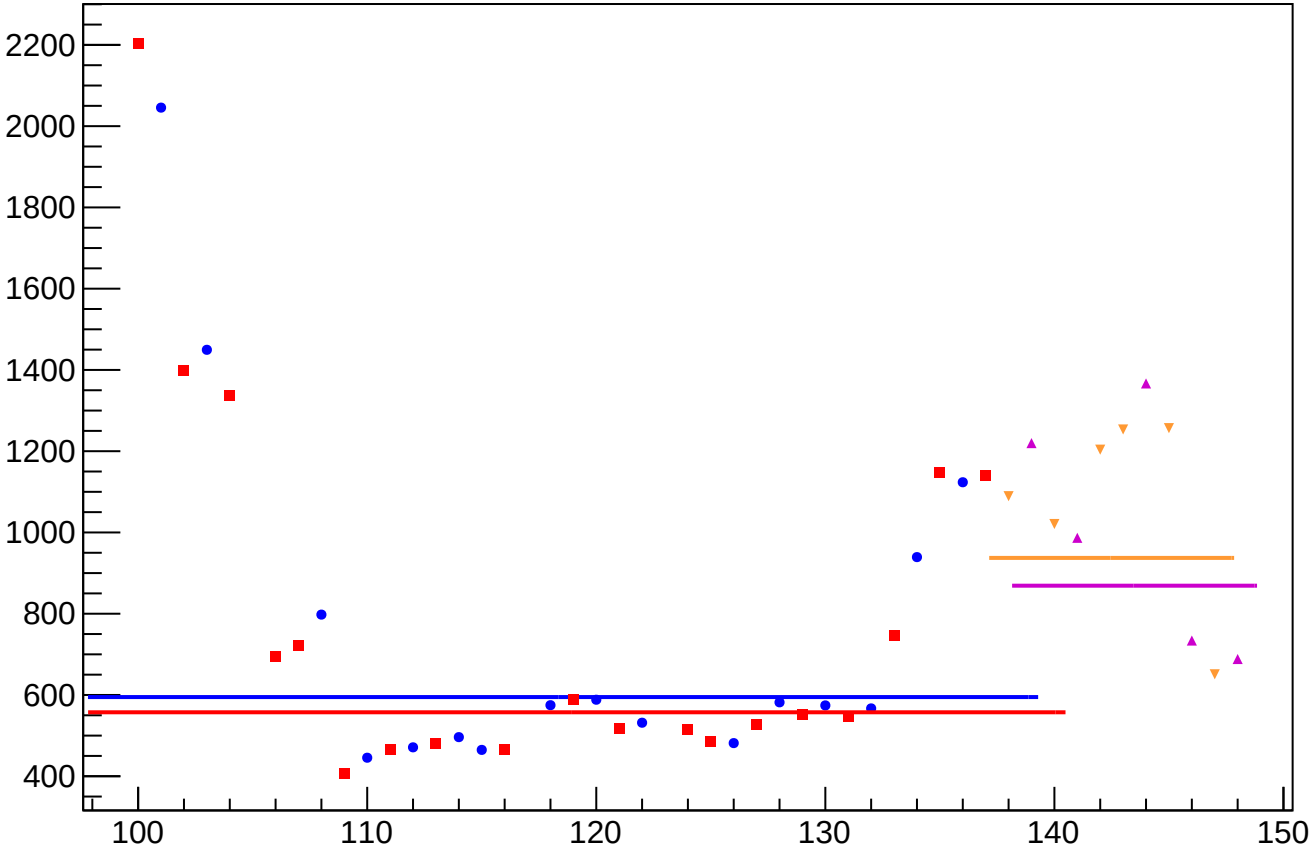
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 35.248+/-208.083 χ^2/NDF:24.0/20

Out: 442.893+/-196.472 χ^2/NDF:33.5/24

All: 250.761+/-142.855 χ^2/NDF: 59.6/45

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 937.363+/-0.327 χ^2/NDF:603180.9/5

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 868.989+/-0.305 χ^2/NDF:575217.9/4

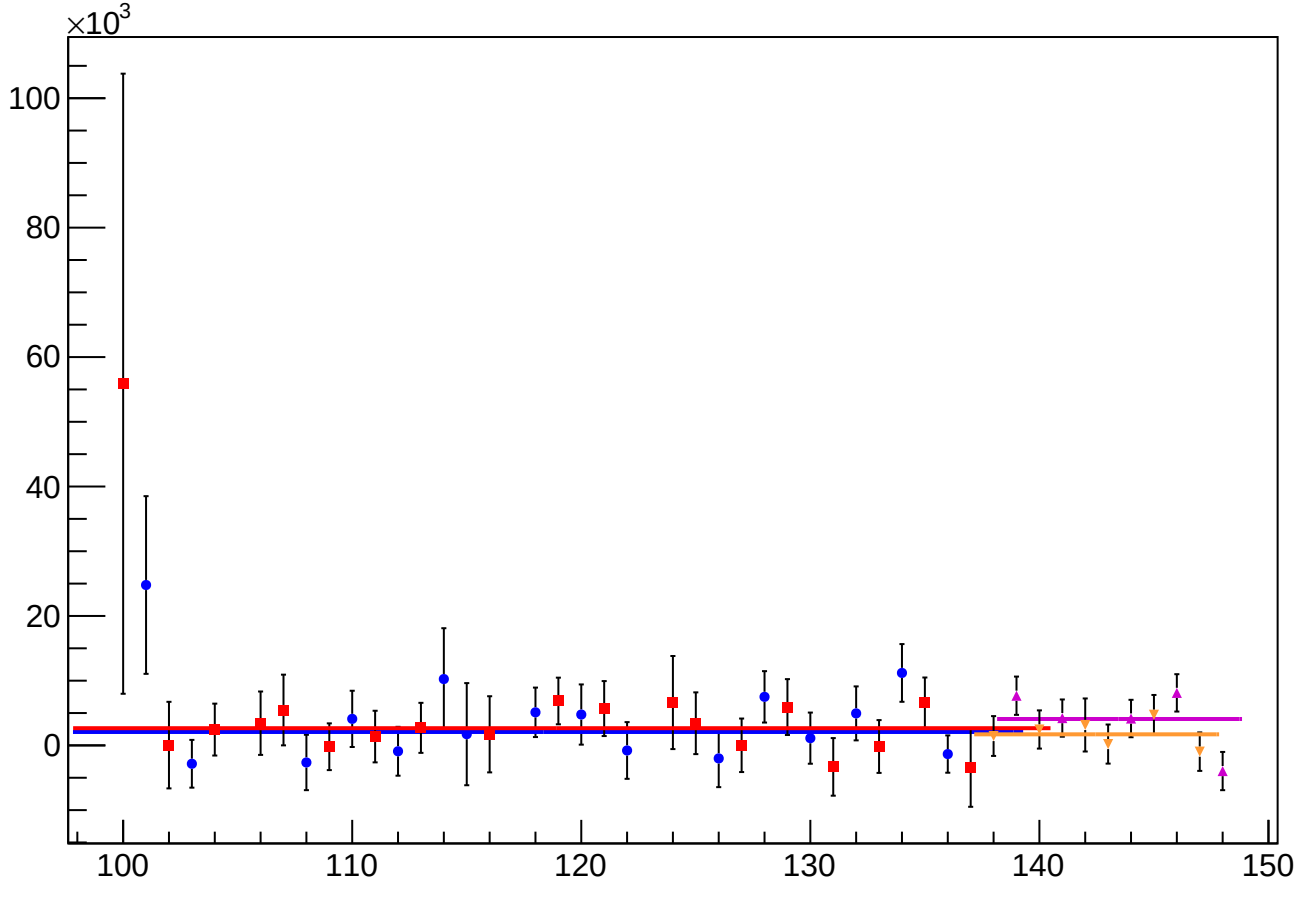
Left: 900.889+/-0.223 χ^2/NDF: 1201780.5/10

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 658.480+/-0.147 χ^2/NDF:3046511.8/20

Out: 626.155+/-0.139 χ^2/NDF:3343157.9/24

All: 641.390+/-0.101 χ^2/NDF: 6415187.4/45



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1710.406+/-1280.759 χ^2/NDF:2.2/5

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 4079.097+/-1302.457 χ^2/NDF:10.8/4

Left: 2874.857+/-913.208 χ^2/NDF: 14.8/10

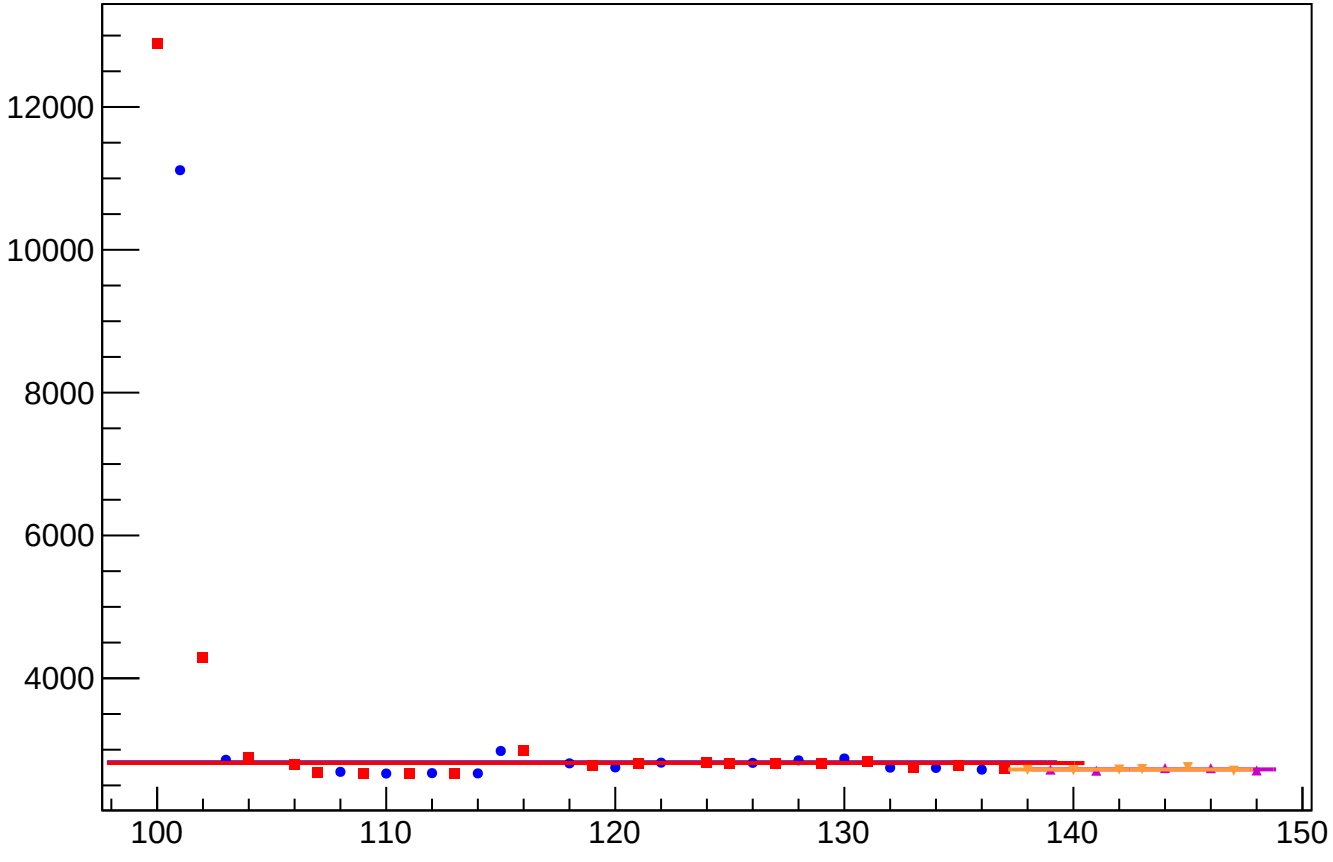
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2888.871+/-830.078 χ^2/NDF:30.1/20

Out: 2276.748+/-811.939 χ^2/NDF:12.5/24

All: 2576.048+/-580.435 χ^2/NDF: 42.9/45

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.225+/-0.906 χ^2/NDF:354.2/5

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2724.343+/-0.921 χ^2/NDF:279.5/4

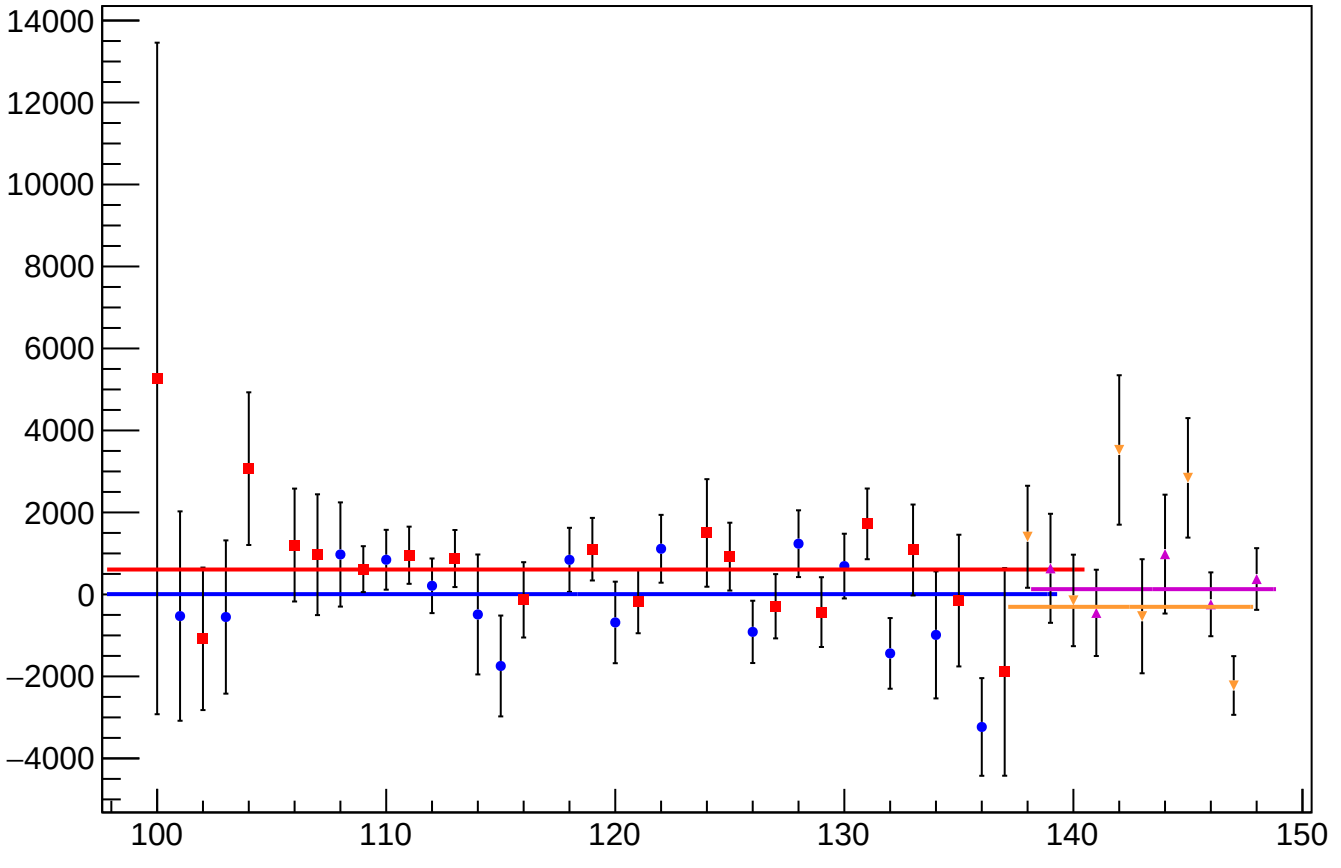
Left: 2723.775+/-0.646 χ^2/NDF: 634.4/10

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2783.194+/-0.587 χ^2/NDF:751071.8/20

Out: 2777.411+/-0.574 χ^2/NDF:206851.2/24

All: 2780.239+/-0.410 χ^2/NDF: 957972.6/45



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -302.812+/-461.862 χ^2/NDF:18.2/5

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 128.554+/-431.928 χ^2/NDF:1.1/4

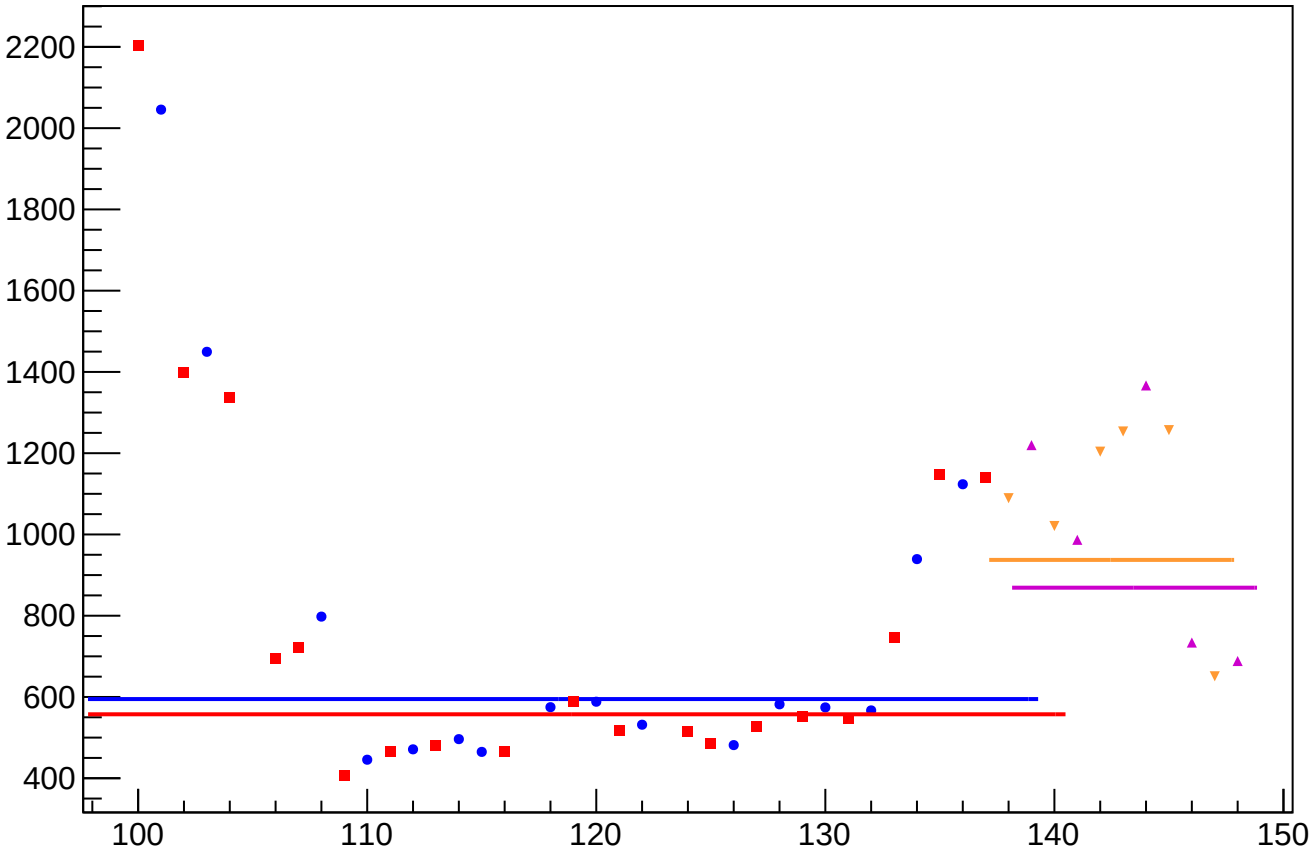
Left: -72.699+/-315.471 χ^2/NDF: 19.8/10

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 35.248+/-208.083 χ^2/NDF:24.0/20

Out: 442.893+/-196.472 χ^2/NDF:33.5/24

All: 250.761+/-142.855 χ^2/NDF: 59.6/45



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 937.363+/-0.327 χ^2/NDF:603181.9/5

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 868.990+/-0.305 χ^2/NDF:575217.9/4

Left: 900.889+/-0.223 χ^2/NDF: 1201781.4/10

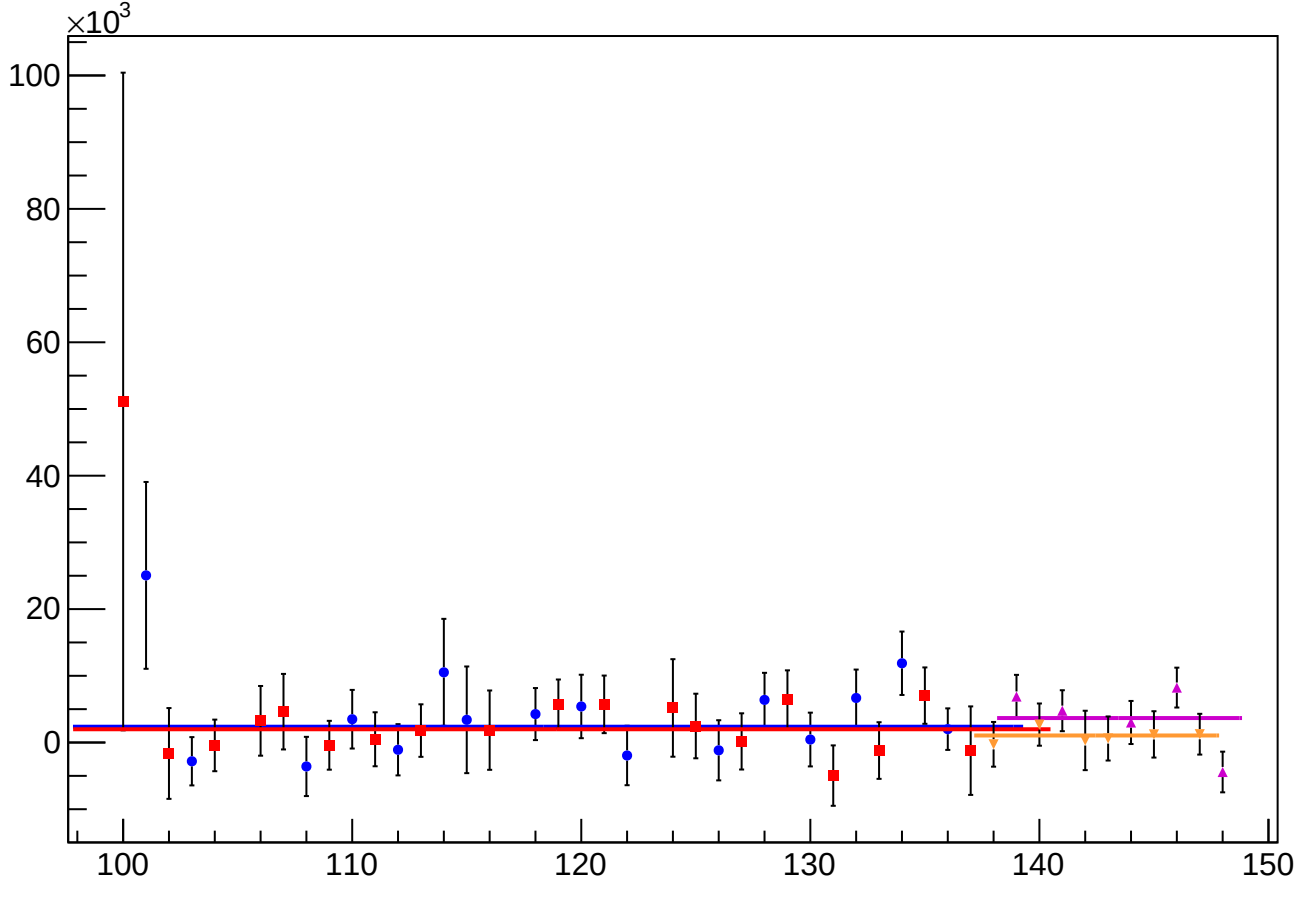
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 658.481+/-0.147 χ^2/NDF:3046506.1/20

Out: 626.155+/-0.139 χ^2/NDF:3343157.1/24

All: 641.391+/-0.101 χ^2/NDF: 6415181.3/45

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1053.888+/-1385.620 χ^2/NDF:0.5/5

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 3666.262+/-1391.755 χ^2/NDF:10.5/4

Left: 2354.304+/-981.943 χ^2/NDF: 12.8/10

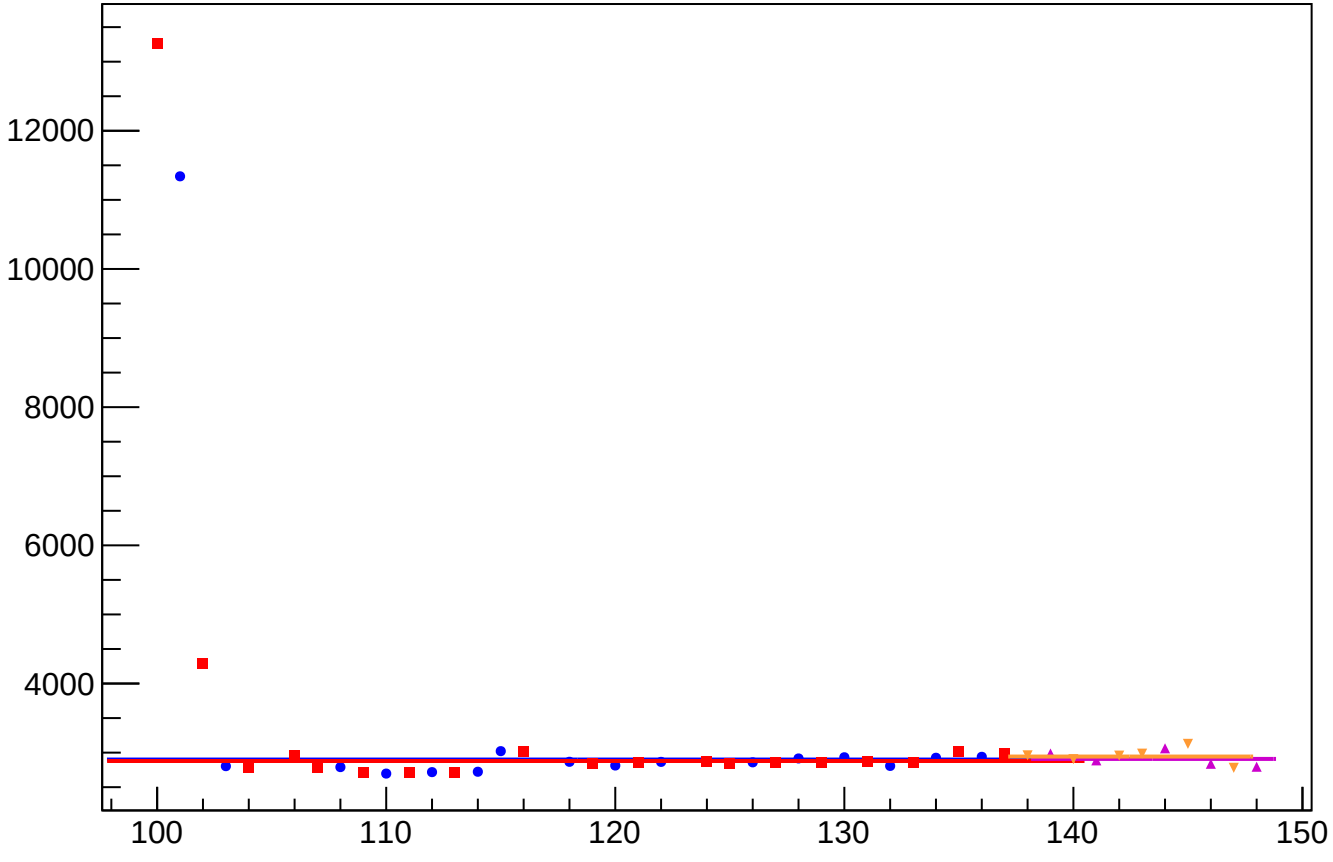
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2870.129+/-865.981 χ^2/NDF:27.9/20

Out: 1636.287+/-849.509 χ^2/NDF:11.0/24

All: 2241.362+/-606.433 χ^2/NDF: 40.0/45

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2943.171+/-0.980 χ^2/NDF:11959.7/5

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2908.986+/-0.984 χ^2/NDF:9618.3/4

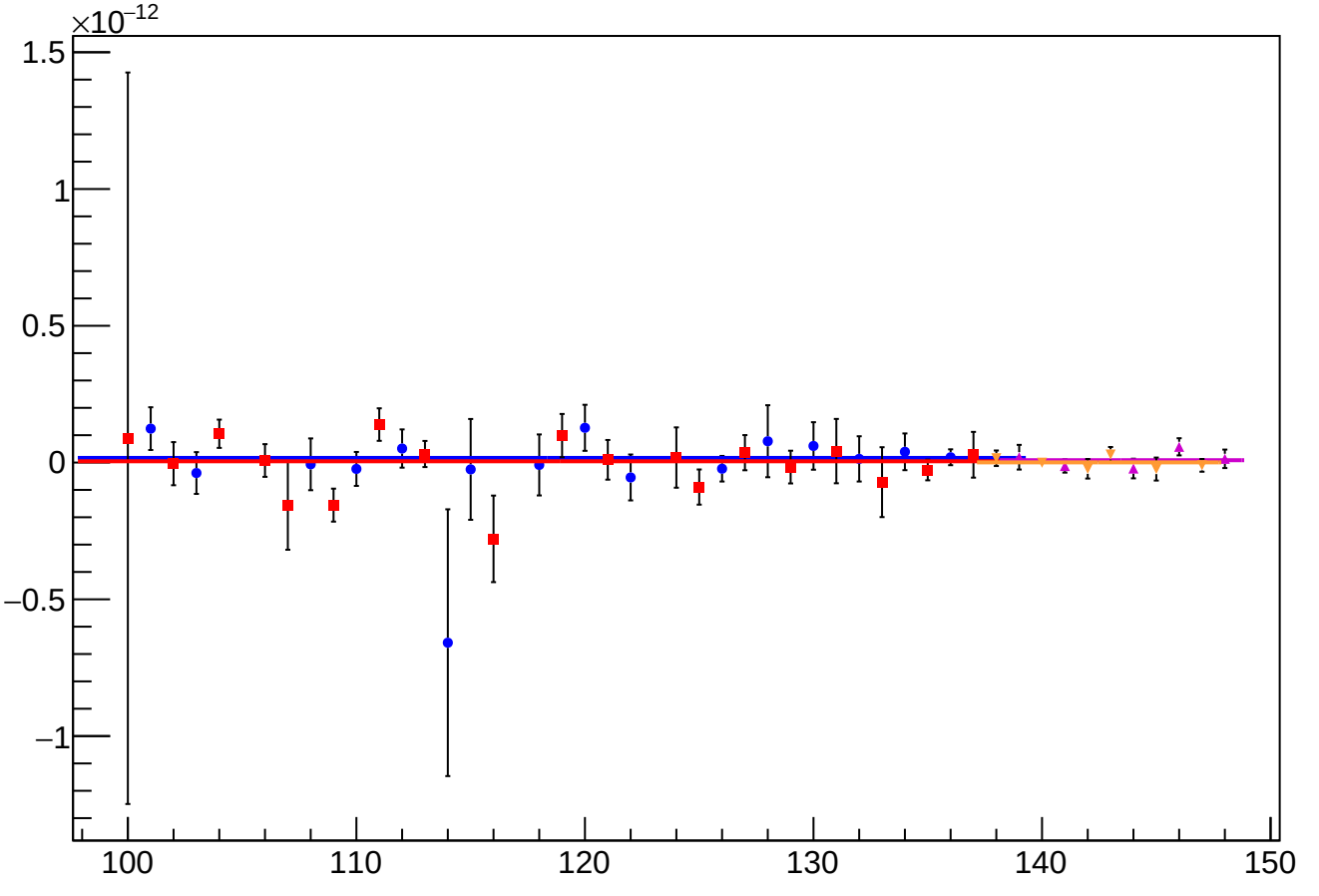
Left: 2926.154+/-0.694 χ^2/NDF: 22184.0/10

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2903.373+/-0.612 χ^2/NDF:751489.6/20

Out: 2903.094+/-0.601 χ^2/NDF:207923.0/24

All: 2903.231+/-0.429 χ^2/NDF: 959412.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/4

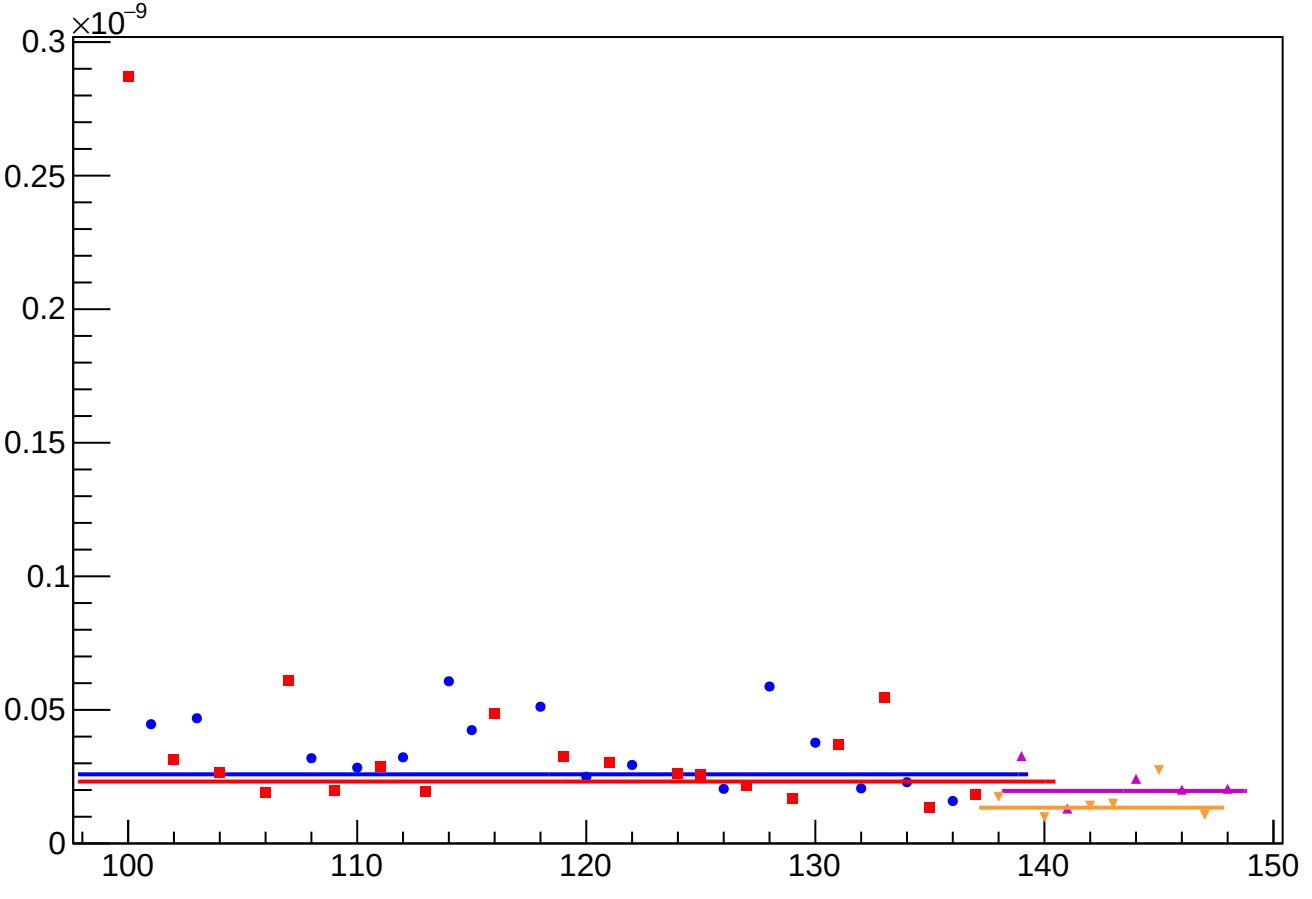
Left: 0.000+/-0.000 χ^2/NDF: 6.5/10

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:13.0/20

Out: 0.000+/-0.000 χ^2/NDF:28.1/24

All: 0.000+/-0.000 χ^2/NDF: 41.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:372568.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:349047.4/4

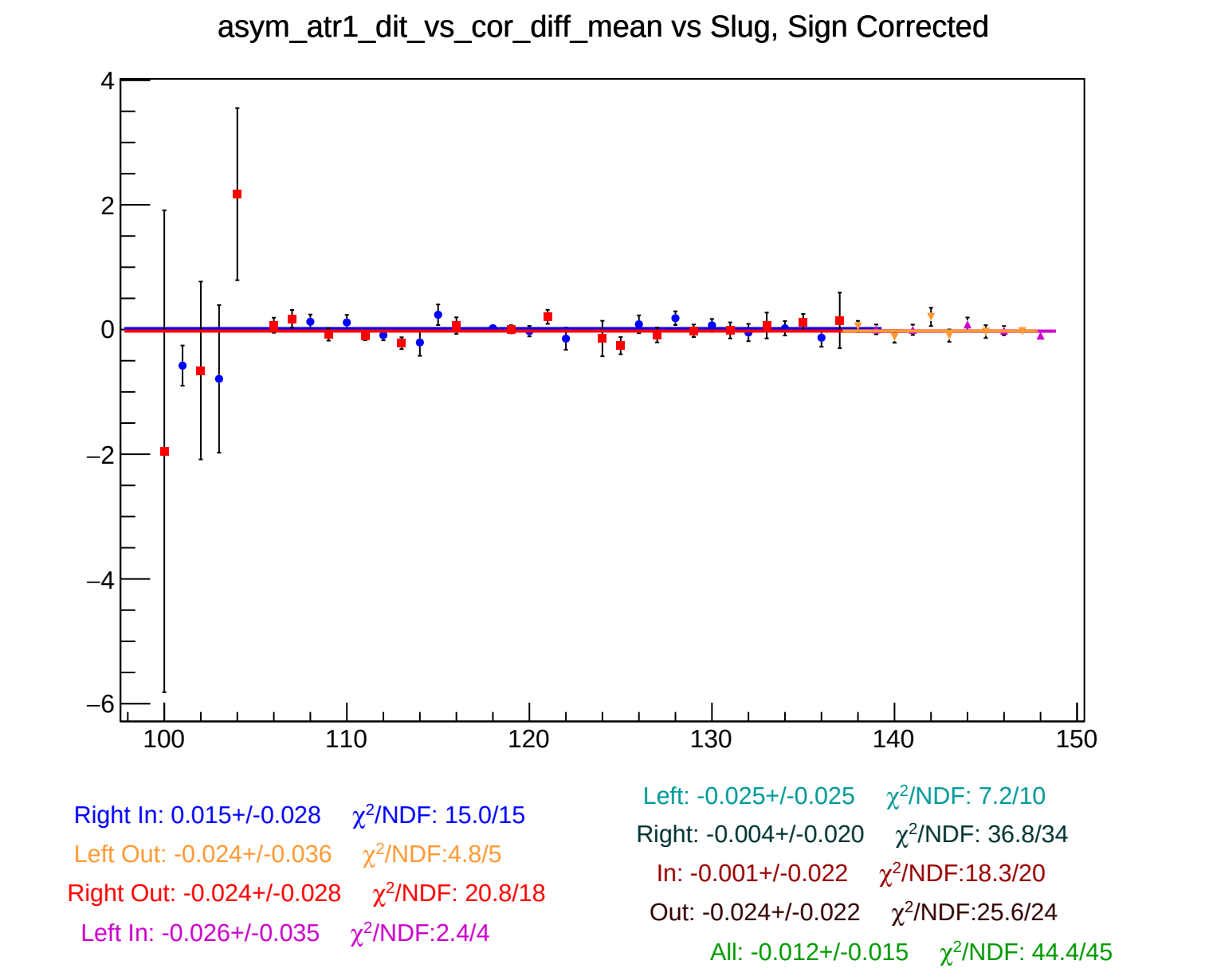
Left: 0.000+/-0.000 χ^2/NDF: 966122.7/10

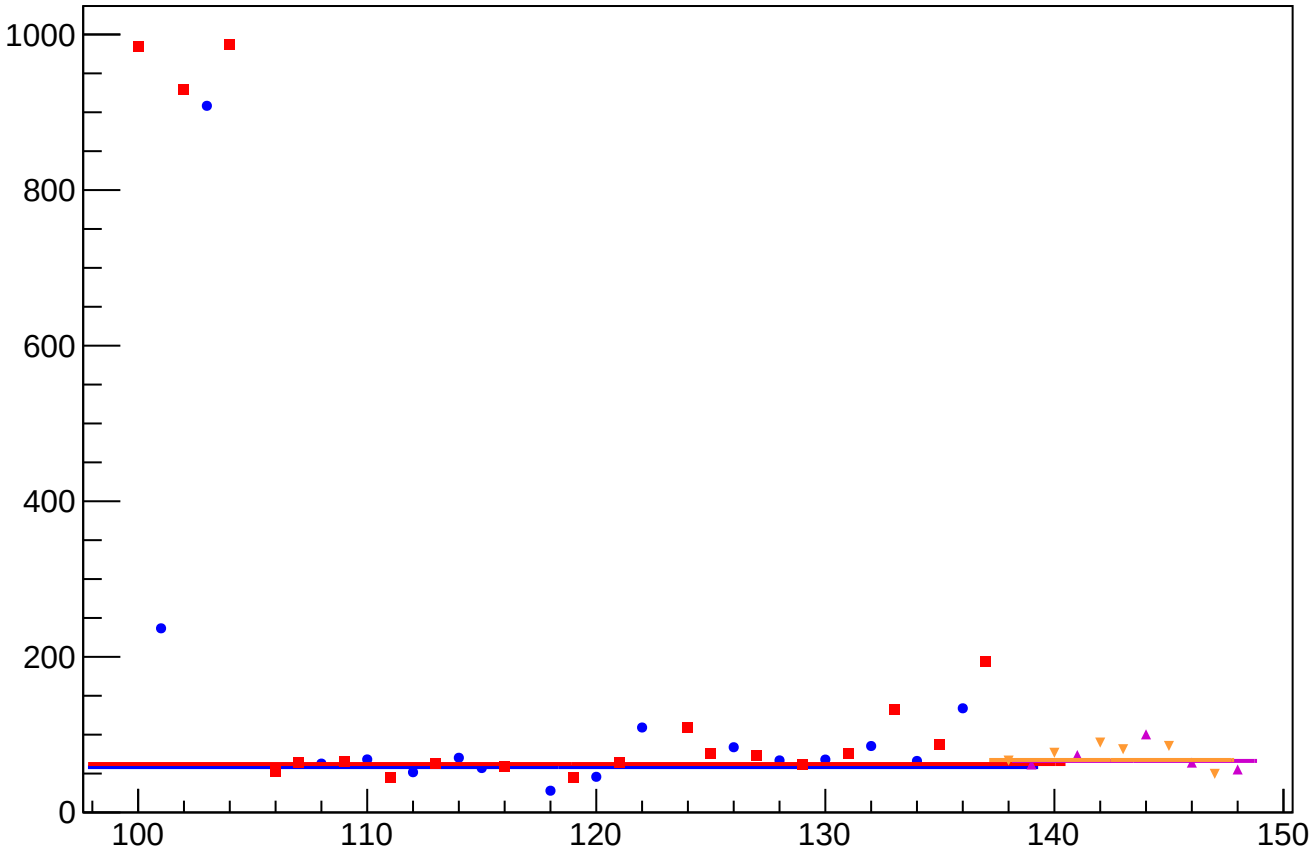
Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1372812.7/20

Out: 0.000+/-0.000 χ^2/NDF:1591606.8/24

All: 0.000+/-0.000 χ^2/NDF: 3300216.6/45


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: -0.024+/-0.036 χ²/NDF:4.8/5
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.026+/-0.035 χ²/NDF:2.4/4
Left: -0.025+/-0.025 χ²/NDF: 7.2/10
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: -0.001+/-0.022 χ²/NDF:18.3/20
Out: -0.024+/-0.022 χ²/NDF:25.6/24
All: -0.012+/-0.015 χ²/NDF: 44.4/45



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 67.468+/-0.025 χ^2/NDF:350540.6/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

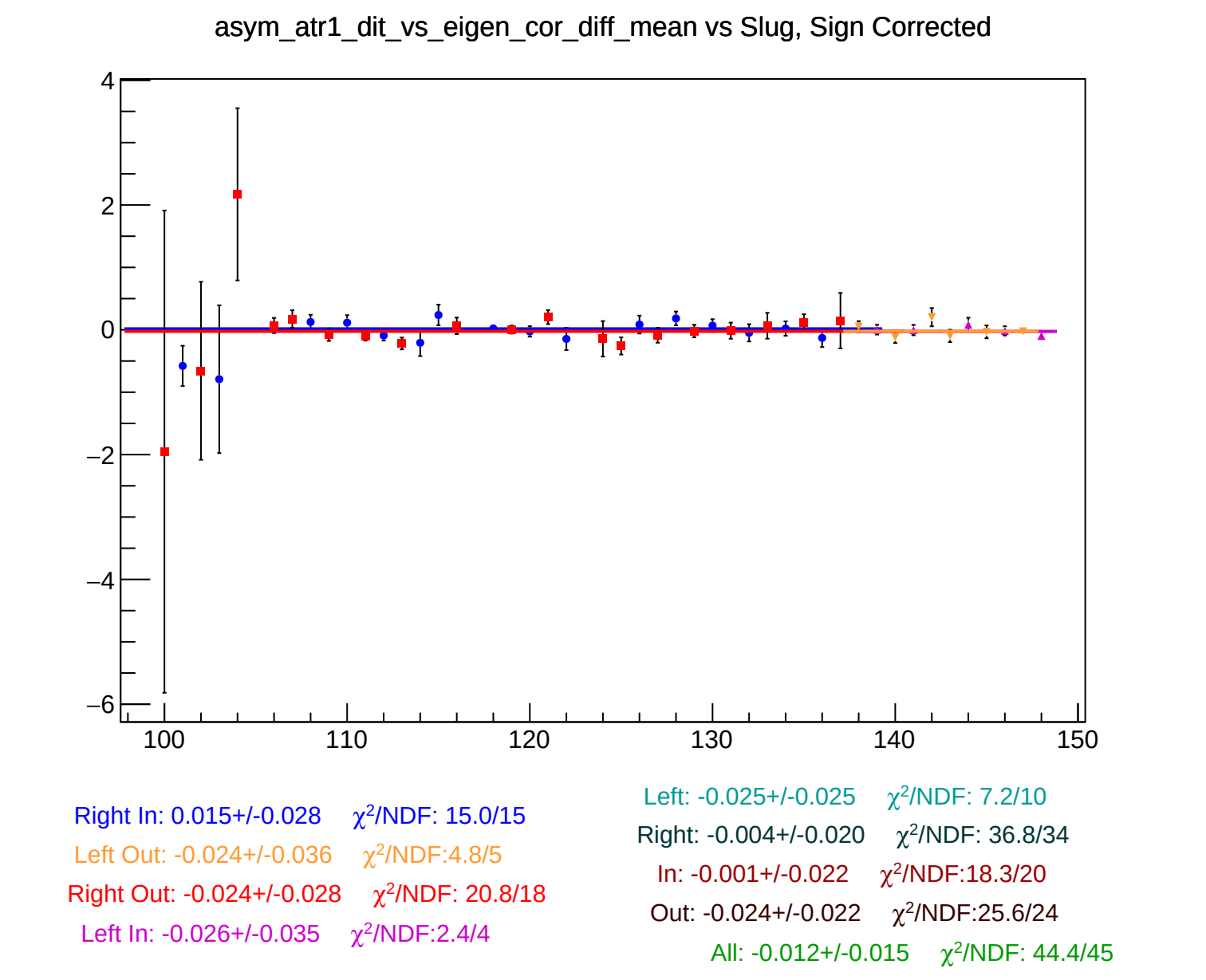
Left: 66.836+/-0.018 χ^2/NDF: 624560.4/10

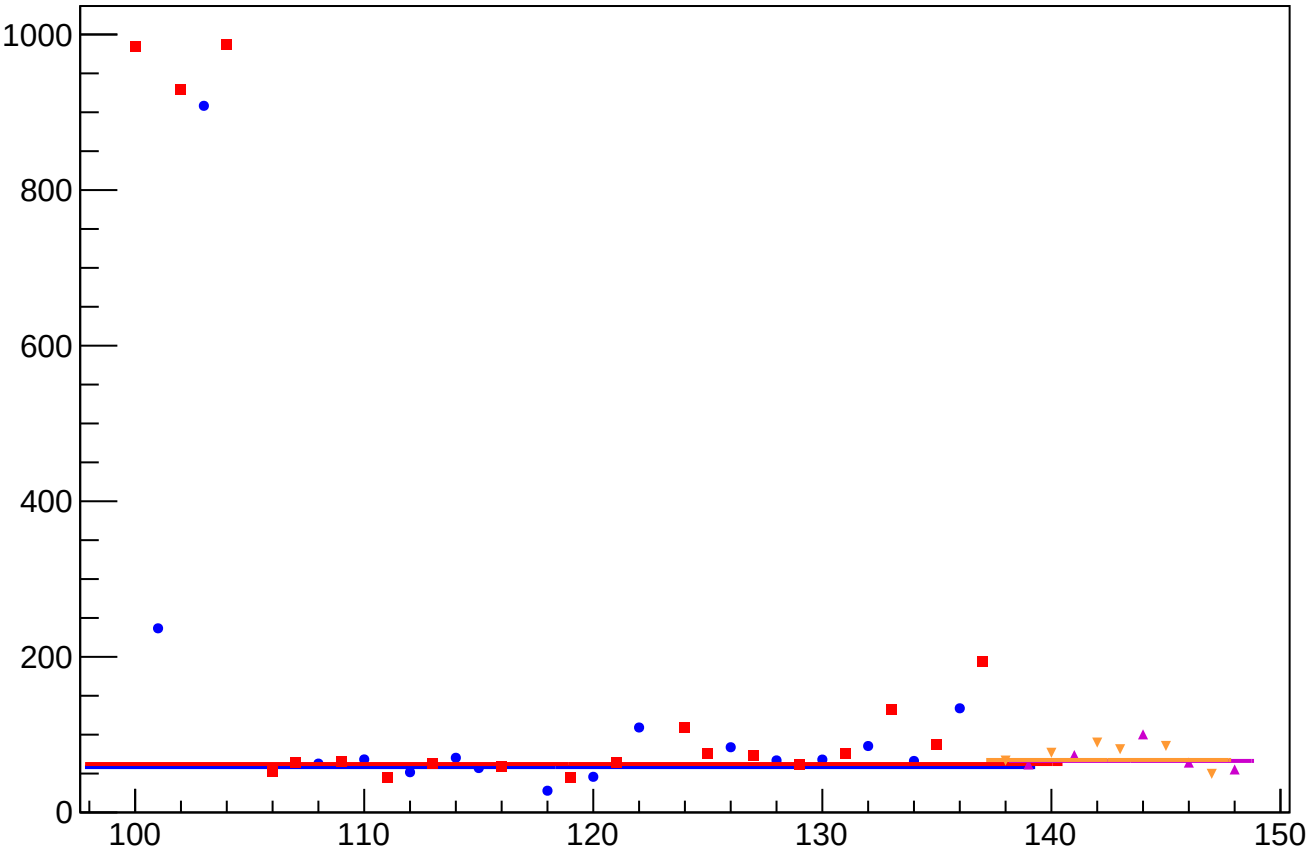
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 61.396+/-0.015 χ^2/NDF:3596303.9/20

Out: 64.222+/-0.016 χ^2/NDF:3004034.4/24

All: 62.788+/-0.011 χ^2/NDF: 6616967.8/45


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: -0.024+/-0.036 χ²/NDF:4.8/5
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.026+/-0.035 χ²/NDF:2.4/4
Left: -0.025+/-0.025 χ²/NDF: 7.2/10
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: -0.001+/-0.022 χ²/NDF:18.3/20
Out: -0.024+/-0.022 χ²/NDF:25.6/24
All: -0.012+/-0.015 χ²/NDF: 44.4/45



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 67.468+/-0.025 χ^2/NDF:350540.6/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

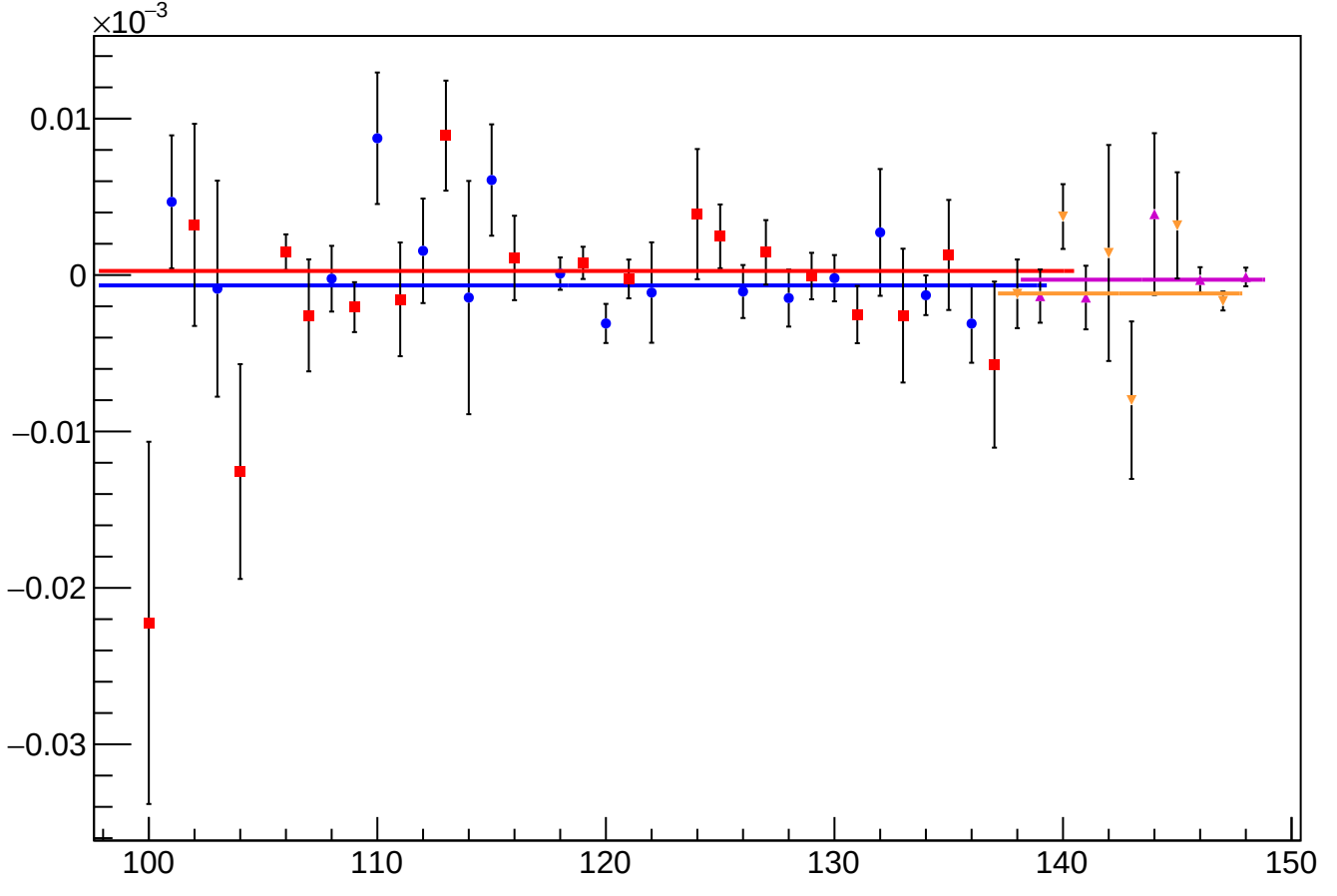
Left: 66.836+/-0.018 χ^2/NDF: 624560.4/10

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 61.396+/-0.015 χ^2/NDF:3596303.9/20

Out: 64.222+/-0.016 χ^2/NDF:3004034.4/24

All: 62.788+/-0.011 χ^2/NDF: 6616967.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

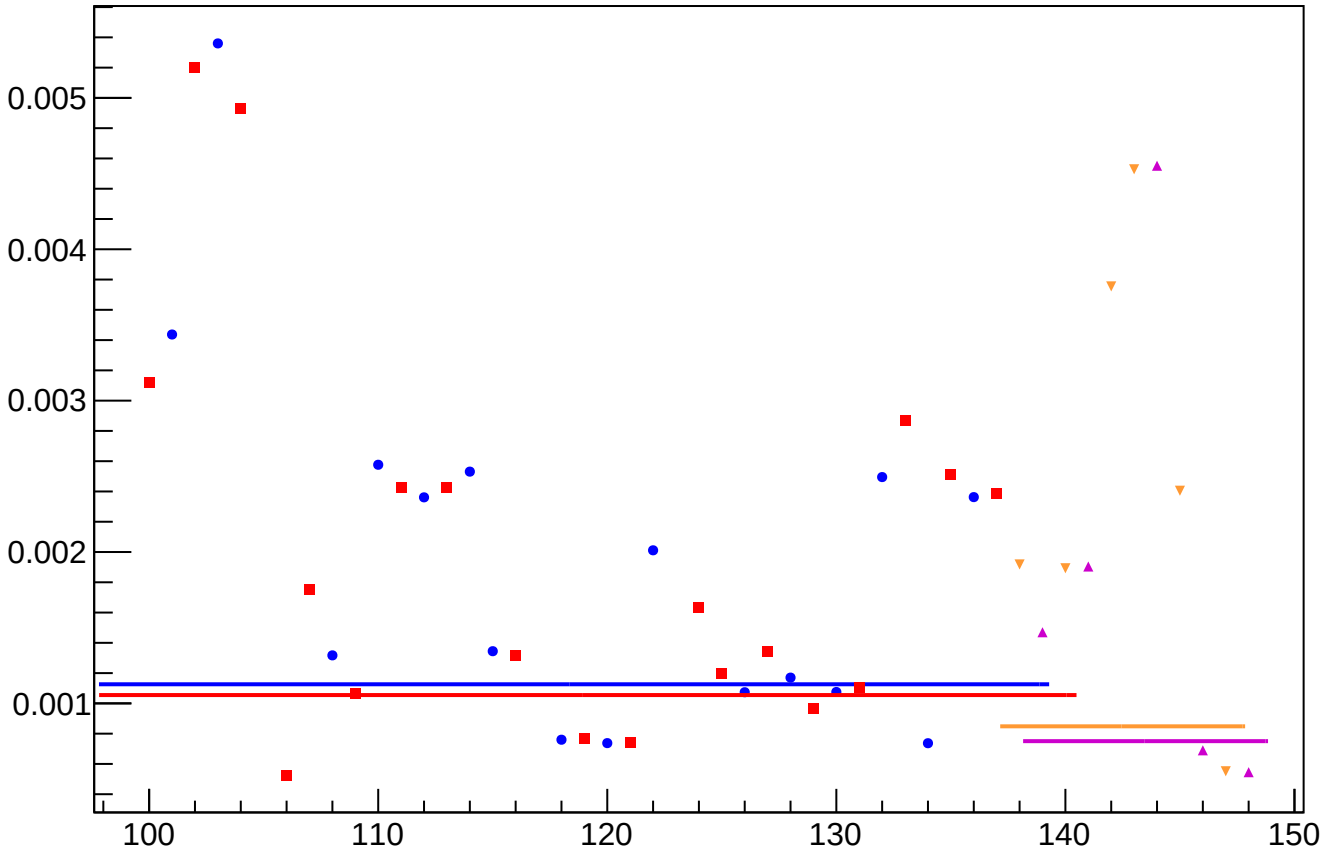
Left: -0.000+/-0.000 χ^2/NDF: 12.9/10

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:19.0/20

Out: -0.000+/-0.000 χ^2/NDF:38.4/24

All: -0.000+/-0.000 χ^2/NDF: 57.5/45



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:3306171.6/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2330208.0/4

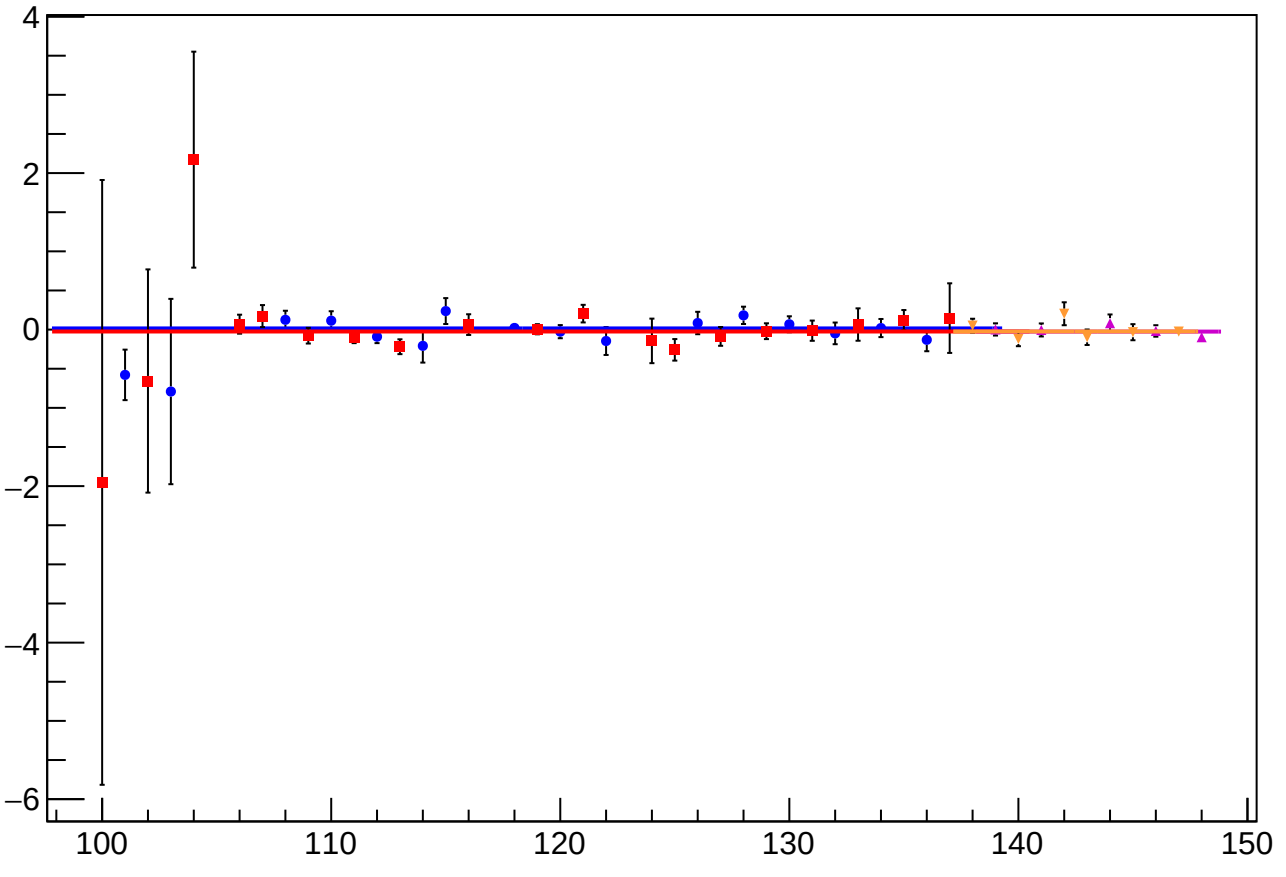
Left: 0.001+/-0.000 χ^2/NDF: 5674449.7/10

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:6422706.0/20

Out: 0.001+/-0.000 χ^2/NDF:7319263.6/24

All: 0.001+/-0.000 χ^2/NDF: 13760775.6/45



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.026+/-0.035 χ^2/NDF:2.4/4

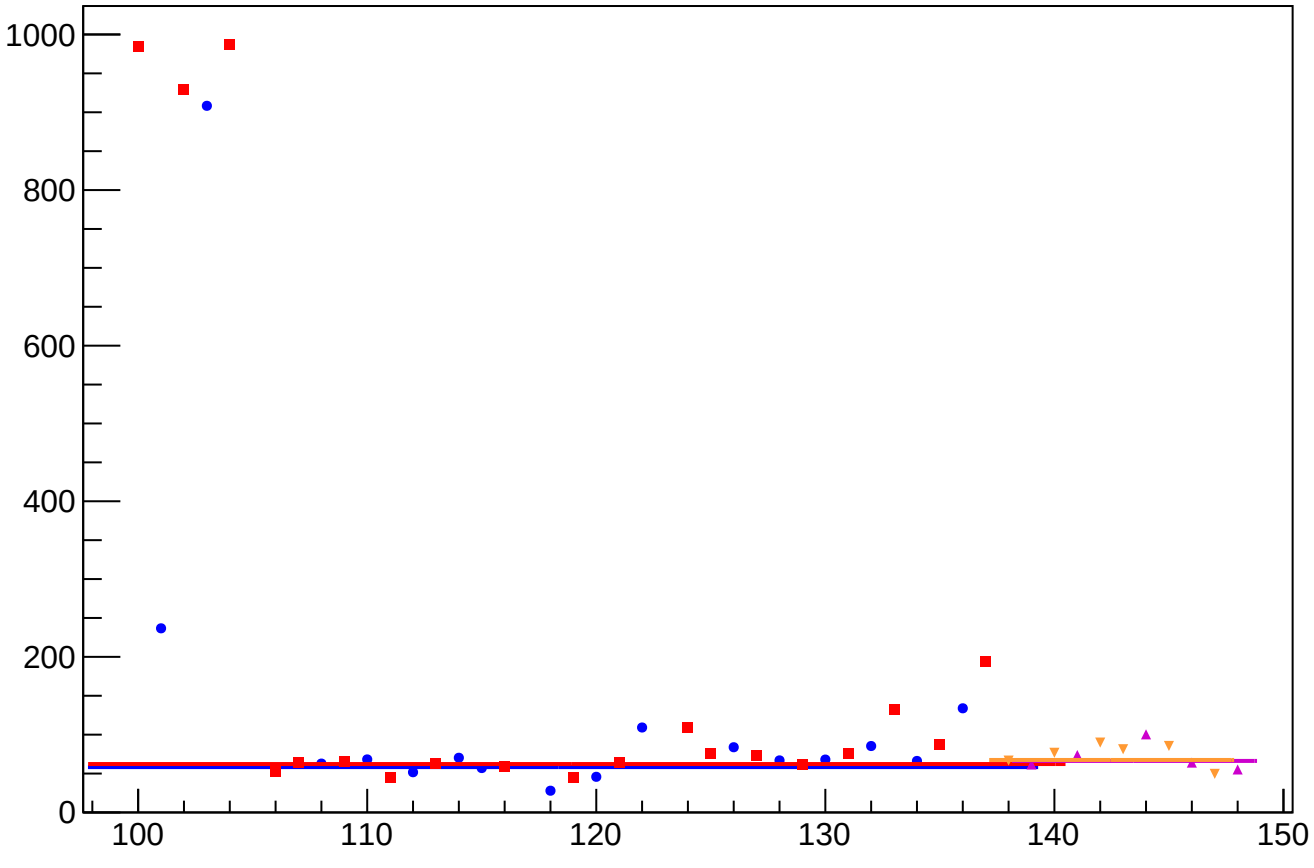
Left: -0.025+/-0.025 χ^2/NDF: 7.2/10

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.022 χ^2/NDF:18.3/20

Out: -0.024+/-0.022 χ^2/NDF:25.6/24

All: -0.012+/-0.015 χ^2/NDF: 44.4/45



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 67.467+/-0.025 χ^2/NDF:350532.1/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

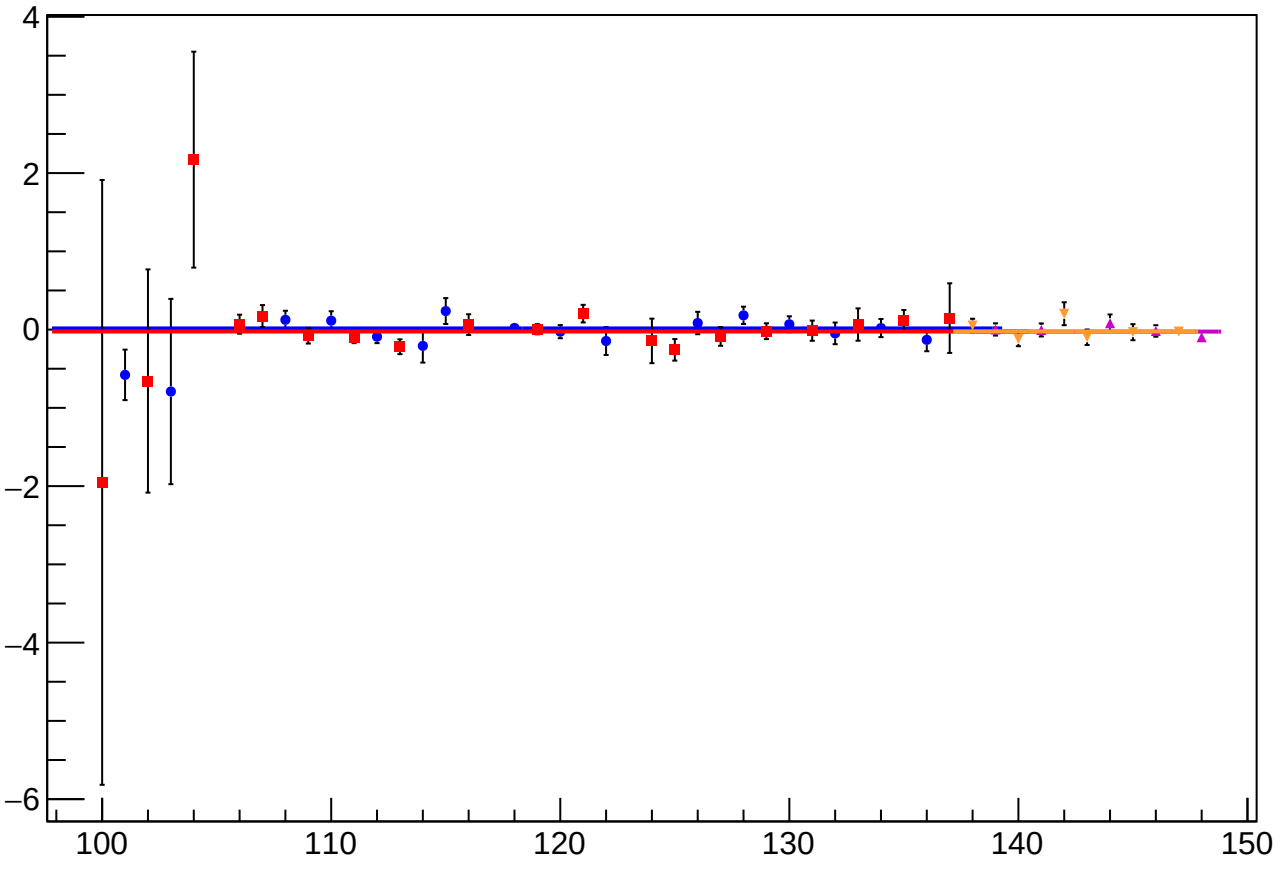
Left: 66.836+/-0.018 χ^2/NDF: 624555.8/10

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 61.396+/-0.015 χ^2/NDF:3596408.0/20

Out: 64.222+/-0.016 χ^2/NDF:3004016.4/24

All: 62.788+/-0.011 χ^2/NDF: 6617056.2/45



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.026+/-0.035 χ^2/NDF:2.4/4

Left: -0.025+/-0.025 χ^2/NDF: 7.2/10

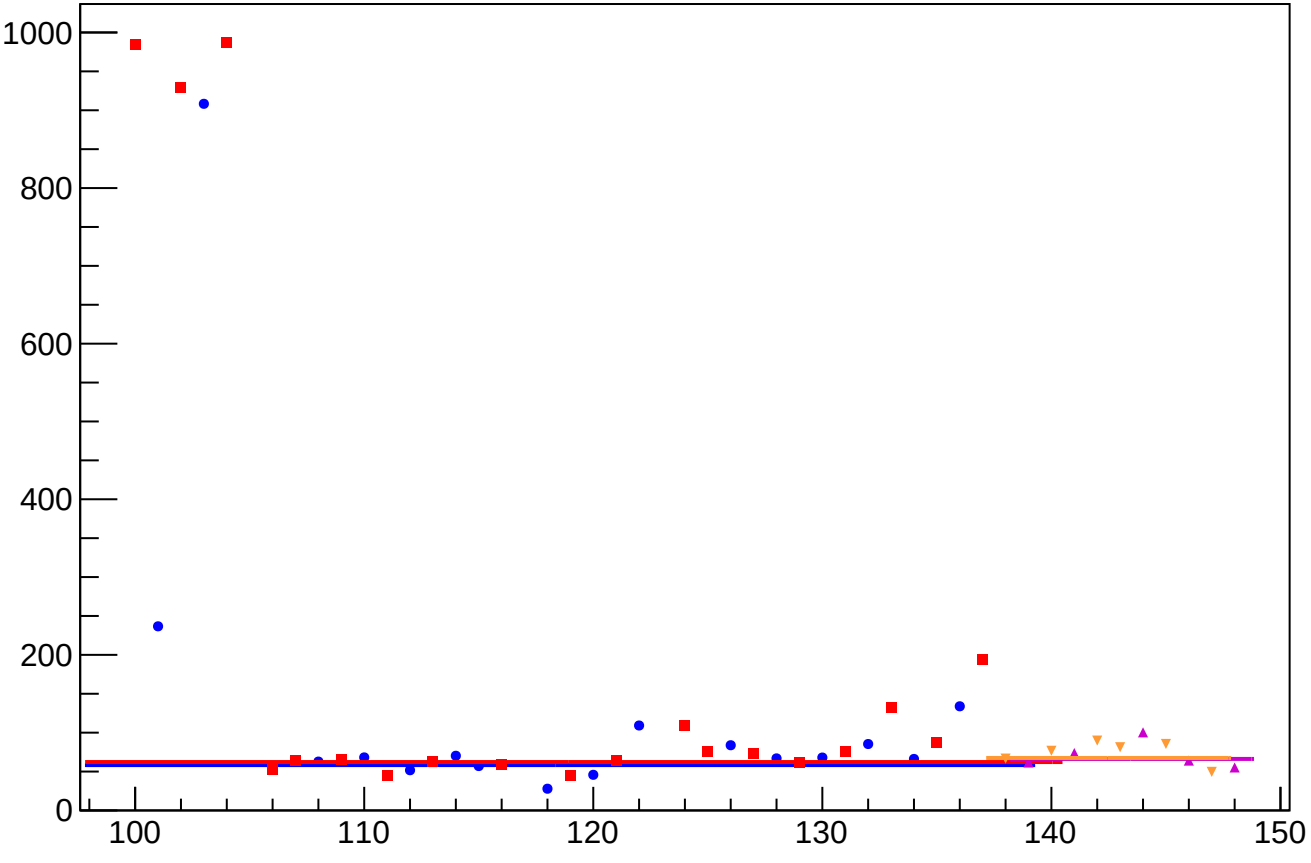
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.022 χ^2/NDF:18.3/20

Out: -0.024+/-0.022 χ^2/NDF:25.6/24

All: -0.012+/-0.015 χ^2/NDF: 44.4/45

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 67.467+/-0.025 χ^2/NDF:350532.1/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

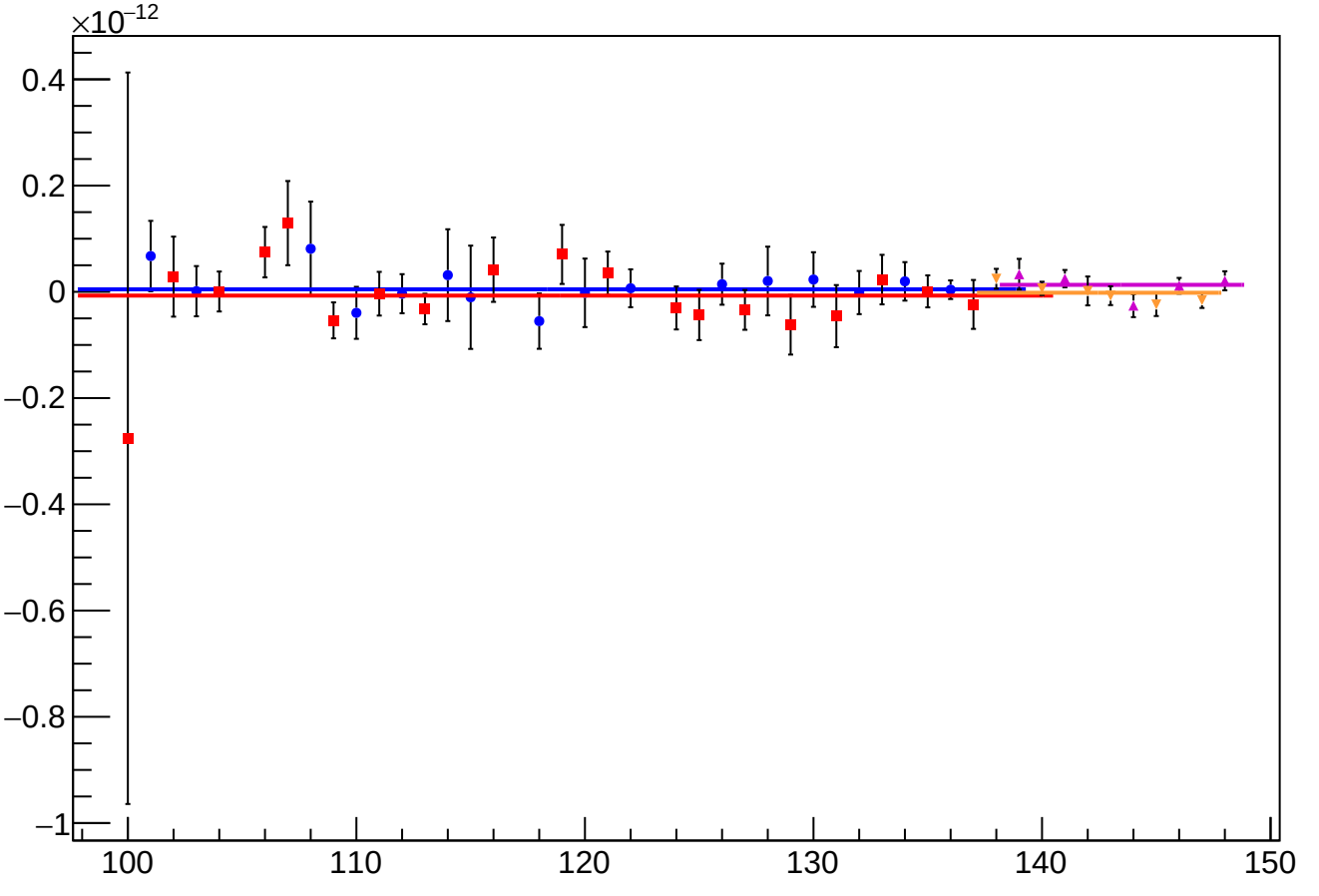
Left: 66.836+/-0.018 χ^2/NDF: 624555.8/10

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 61.396+/-0.015 χ^2/NDF:3596408.0/20

Out: 64.222+/-0.016 χ^2/NDF:3004016.4/24

All: 62.788+/-0.011 χ^2/NDF: 6617056.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/4

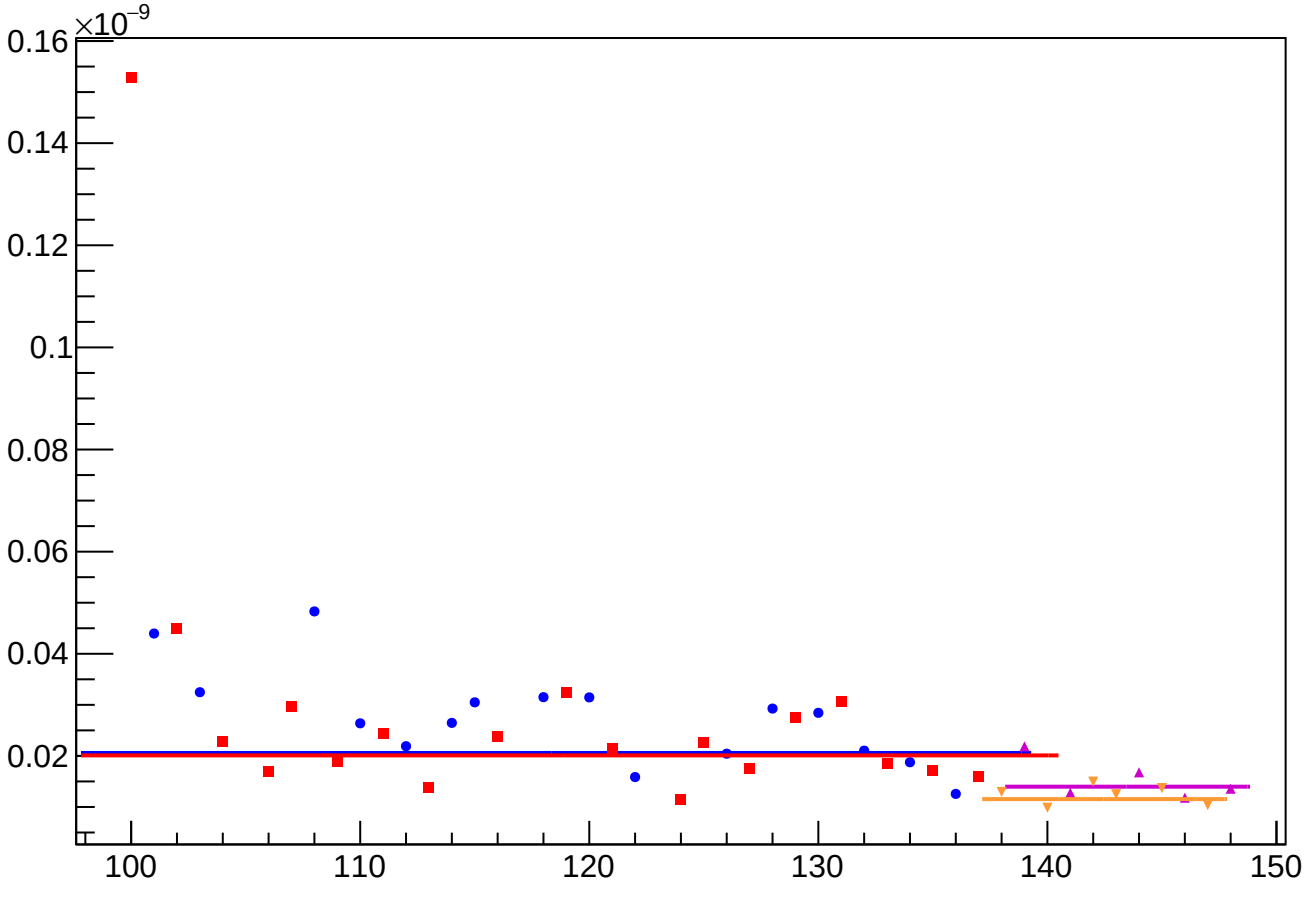
Left: 0.000+/-0.000 χ^2/NDF: 10.8/10

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:9.3/20

Out: -0.000+/-0.000 χ^2/NDF:20.8/24

All: 0.000+/-0.000 χ^2/NDF: 32.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:117275.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:236705.7/4

Left: 0.000+/-0.000 χ^2/NDF: 455131.1/10

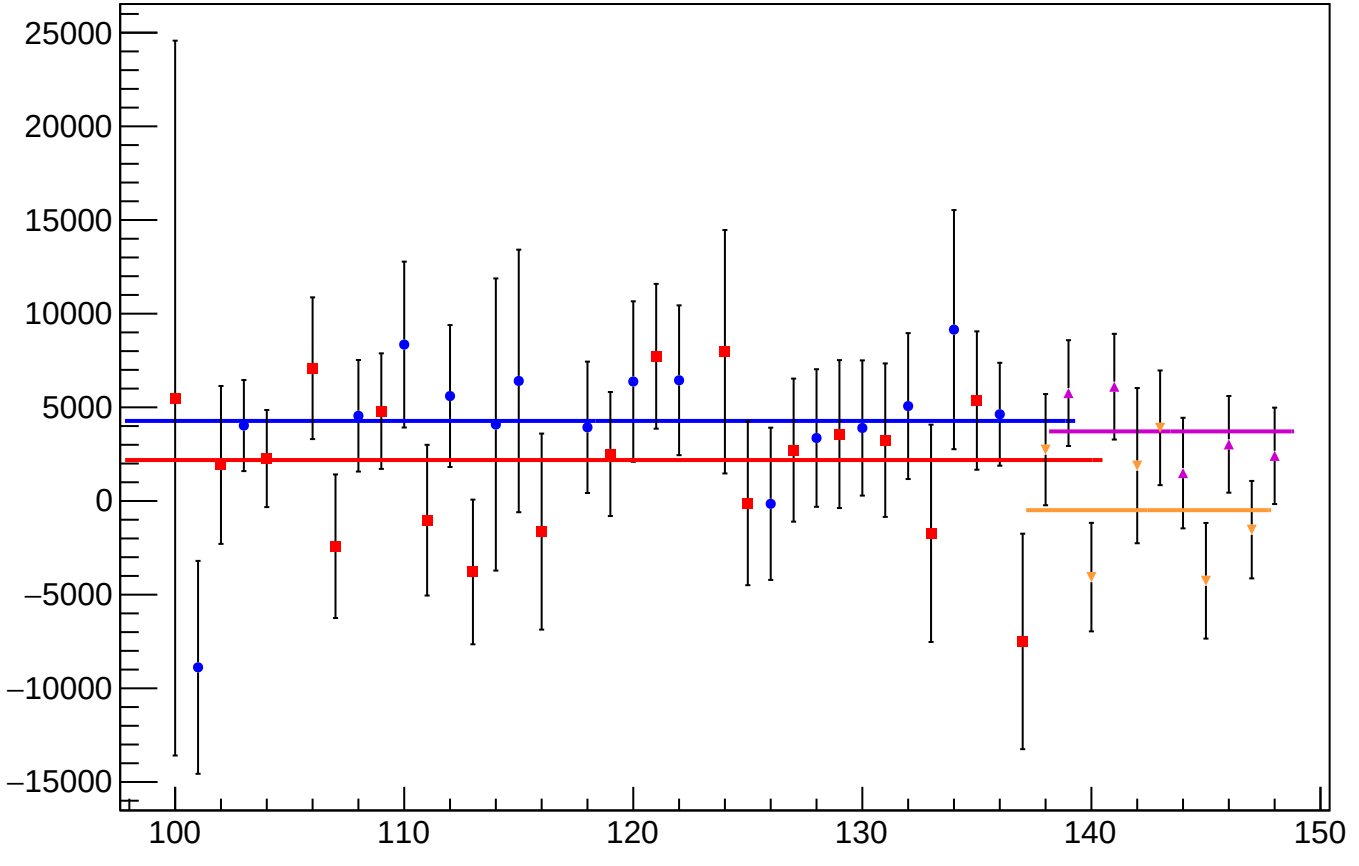
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2060647.9/20

Out: 0.000+/-0.000 χ^2/NDF:1898750.4/24

All: 0.000+/-0.000 χ^2/NDF: 4098142.0/45

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.672+/-1239.913 χ^2/NDF:6.7/5

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3715.060+/-1224.440 χ^2/NDF:2.1/4

Left: 1638.600+/-871.229 χ^2/NDF: 14.7/10

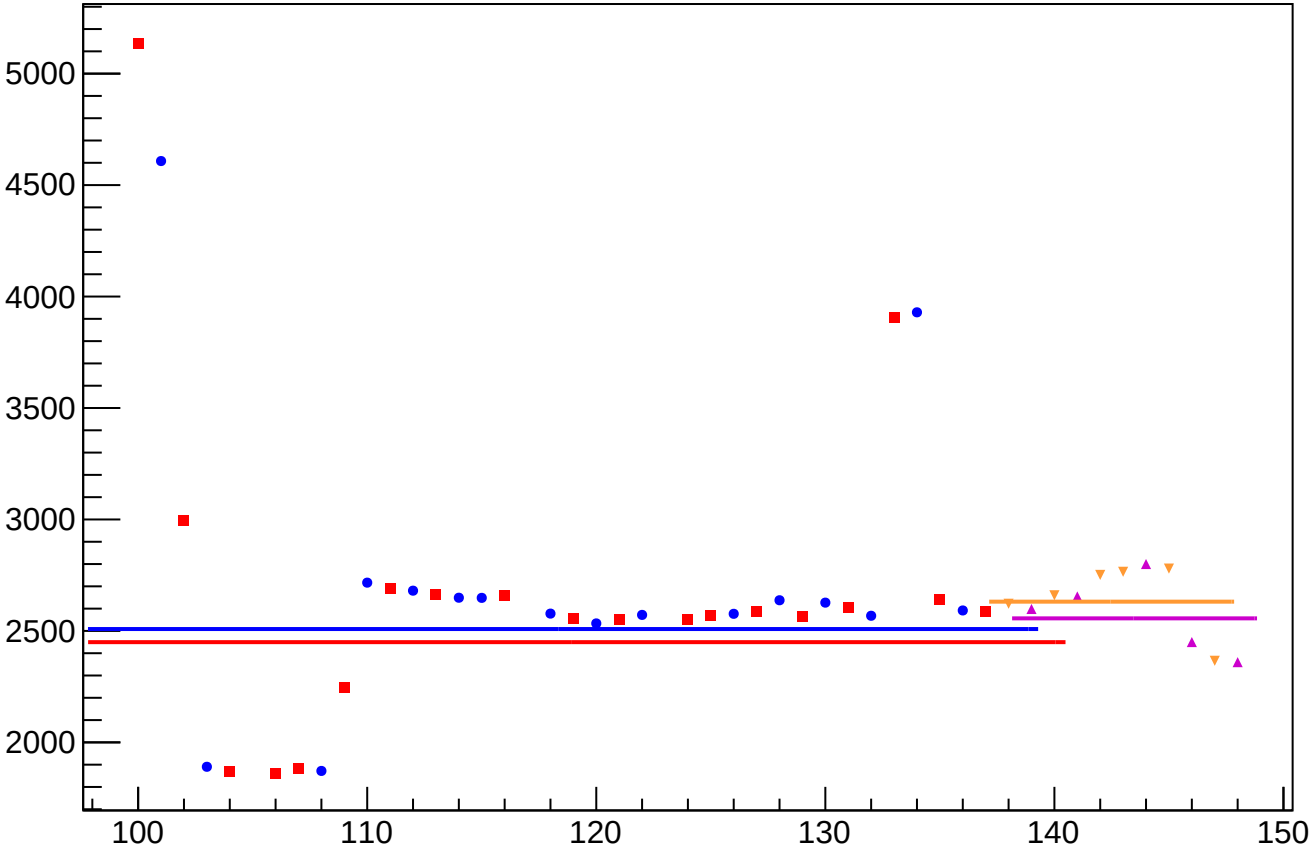
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4063.674+/-751.543 χ^2/NDF:11.2/20

Out: 1232.974+/-739.920 χ^2/NDF:24.6/24

All: 2626.265+/-527.264 χ^2/NDF: 42.9/45

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

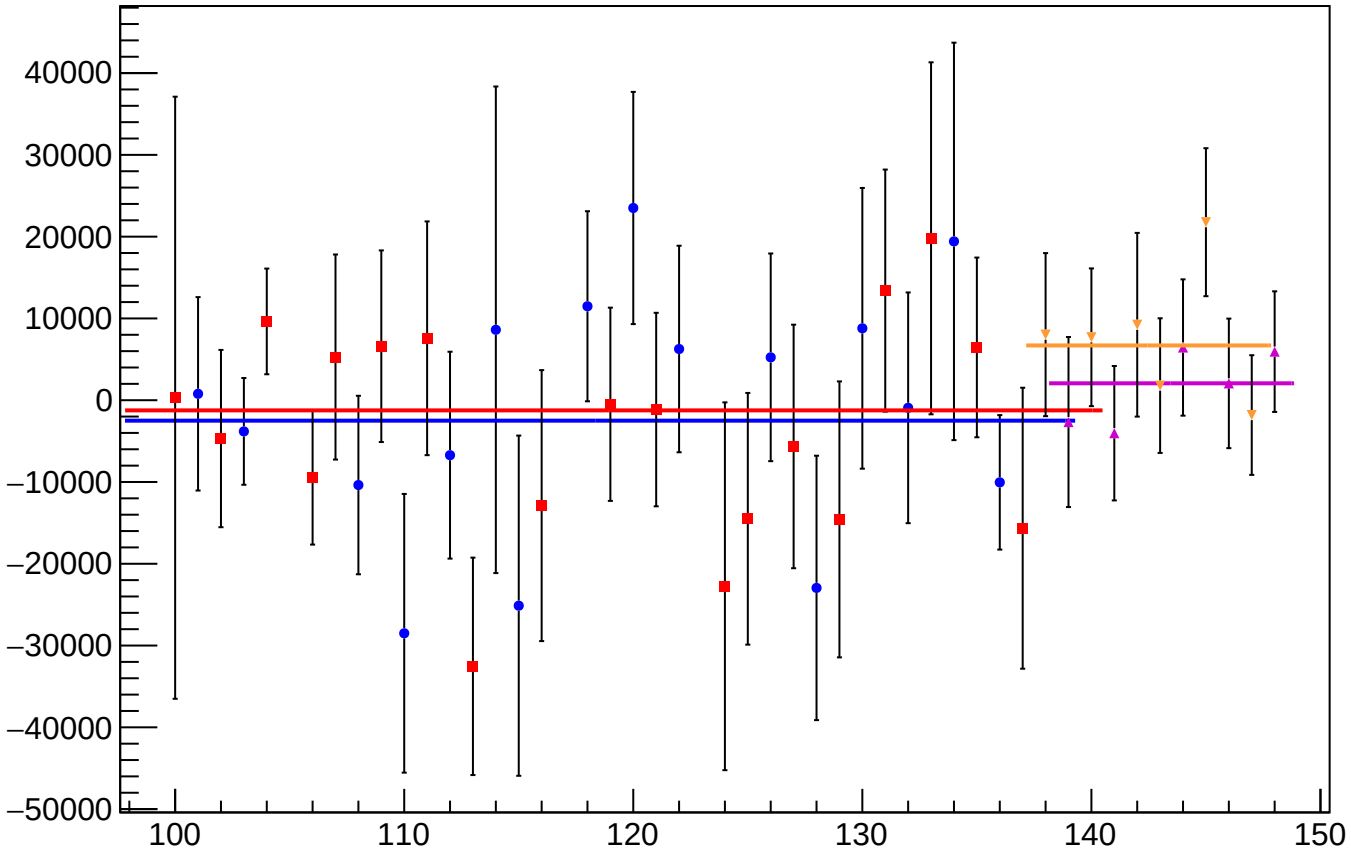
Left: 2593.332+/-0.616 χ^2/NDF: 66416.2/10

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2526.499+/-0.531 χ^2/NDF:645067.3/20

Out: 2514.310+/-0.523 χ^2/NDF:495685.0/24

All: 2520.310+/-0.373 χ^2/NDF: 1141019.4/45



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6698.170+/-3586.756 χ^2/NDF:4.6/5

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2066.983+/-3706.782 χ^2/NDF:1.3/4

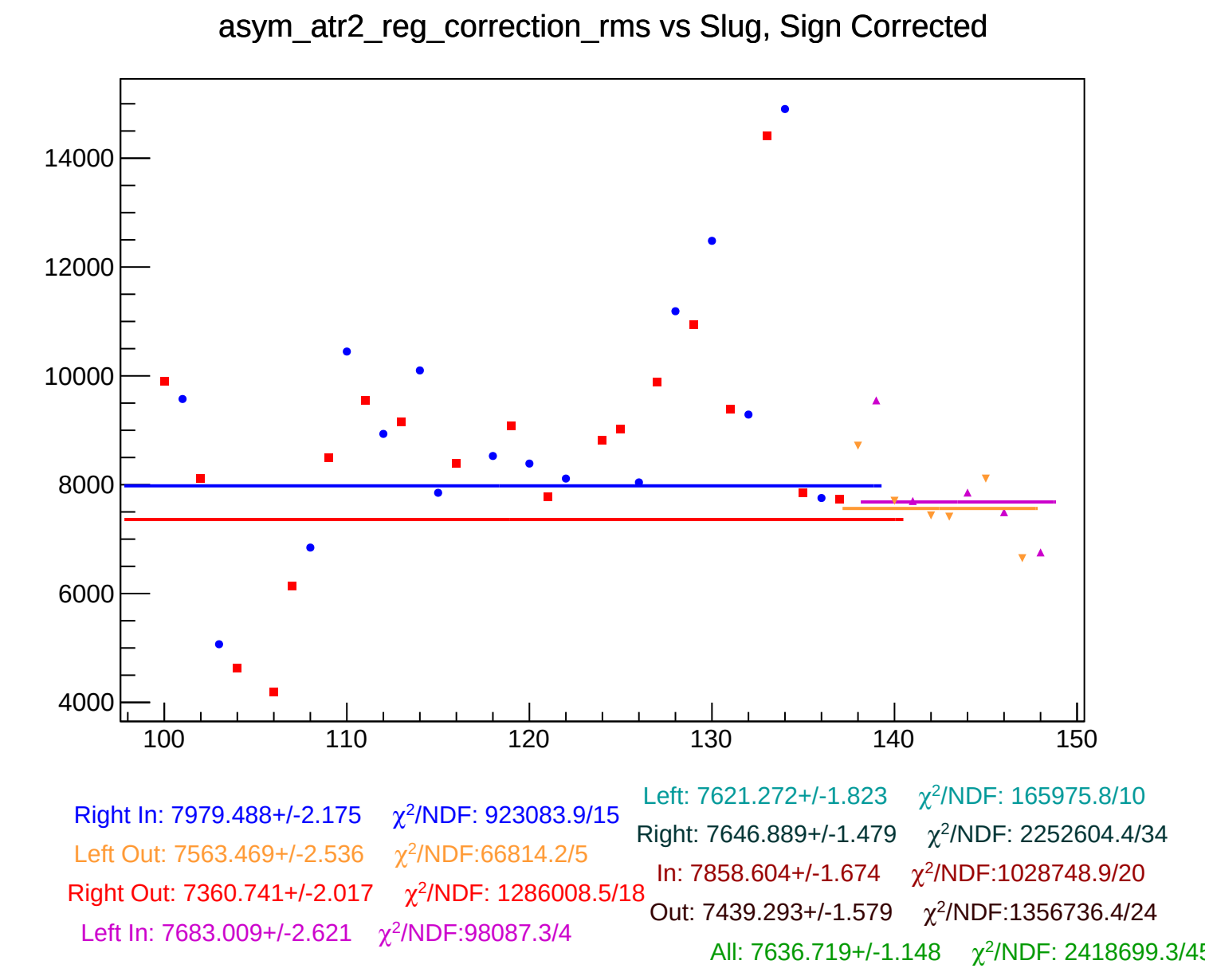
Left: 4458.769+/-2577.608 χ^2/NDF: 6.7/10

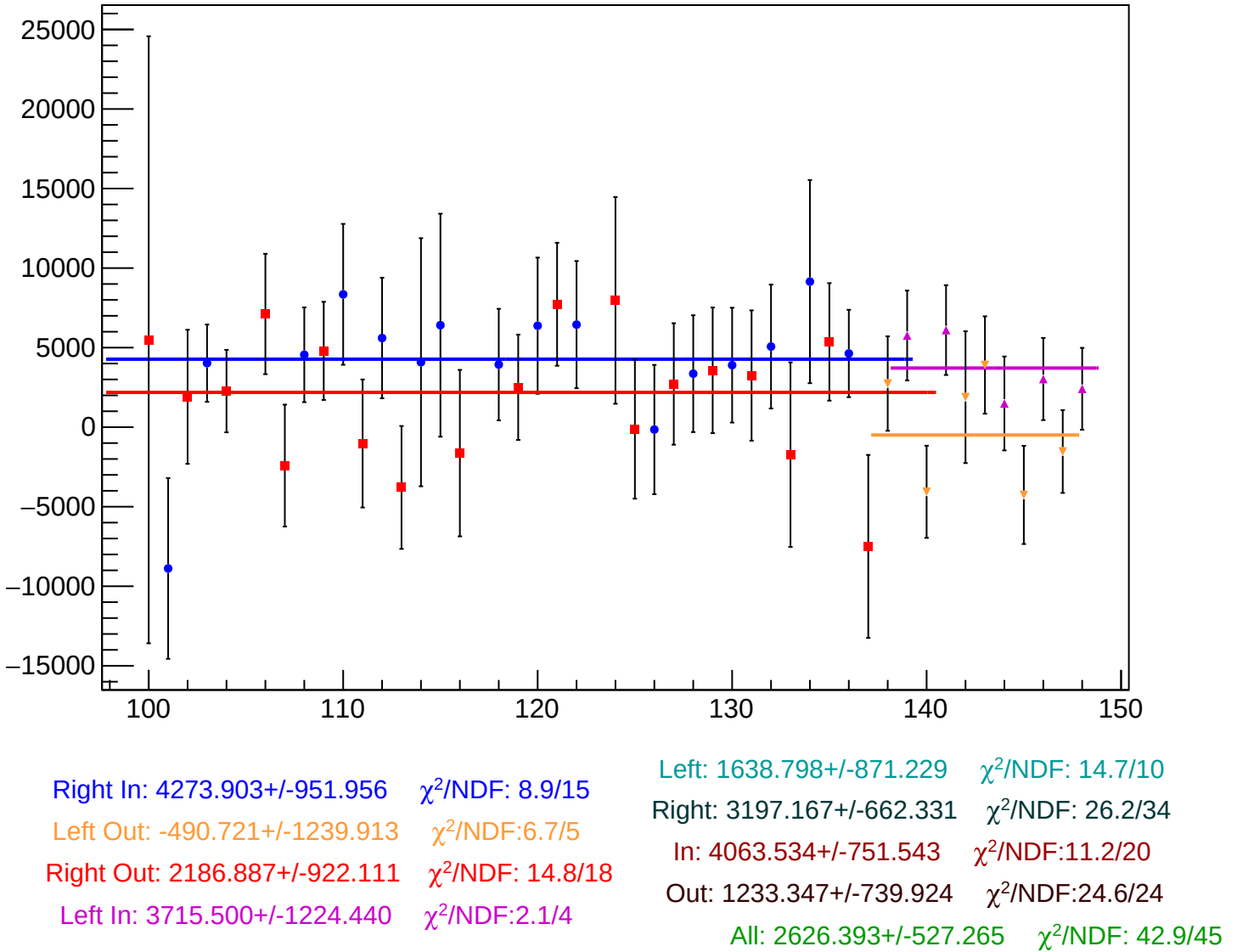
Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -638.243+/-2366.930 χ^2/NDF:16.0/20

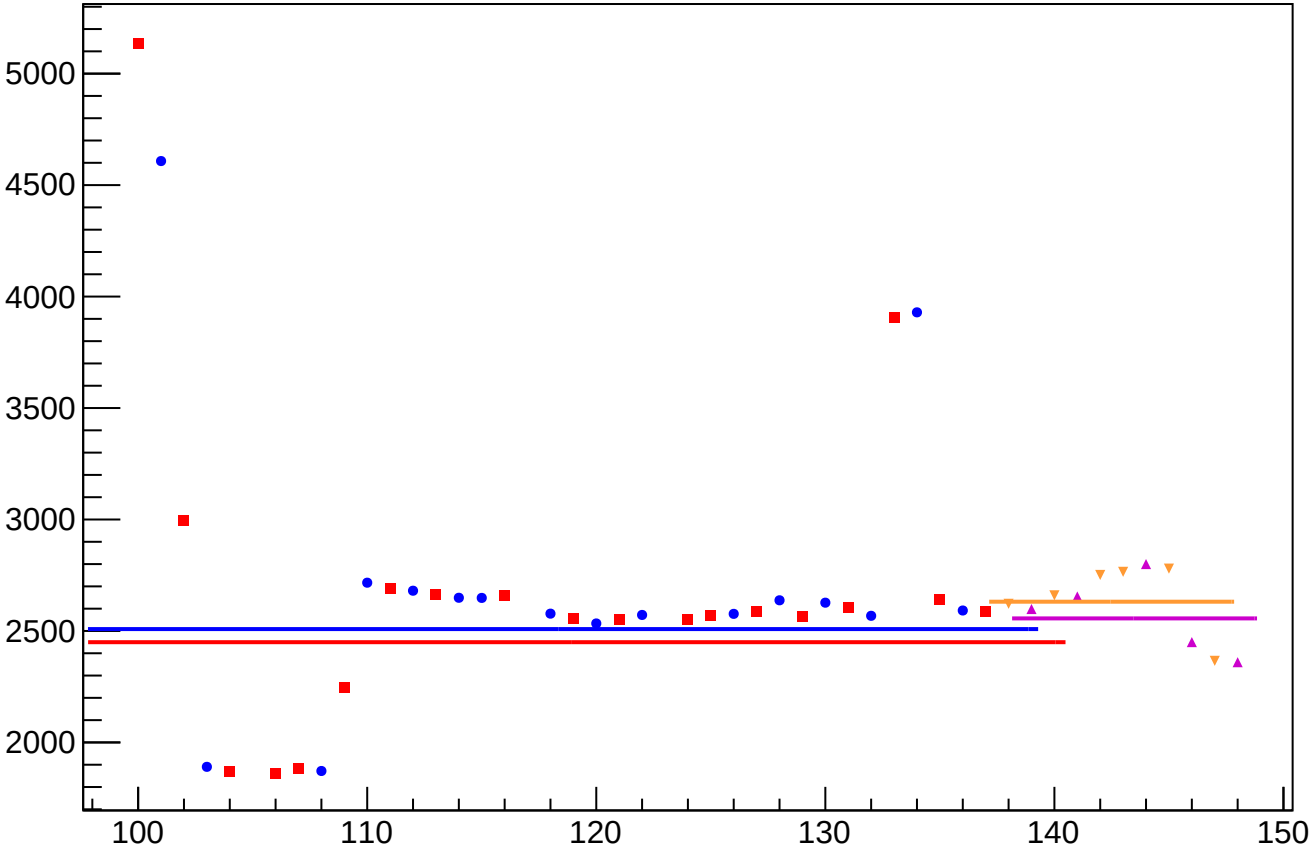
Out: 1833.179+/-2232.666 χ^2/NDF:24.2/24

All: 669.548+/-1624.126 χ^2/NDF: 40.7/45


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 7563.469+/-2.536 χ²/NDF:66814.2/5
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 7683.009+/-2.621 χ²/NDF:98087.3/4
Left: 7621.272+/-1.823 χ²/NDF: 165975.8/10
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 7858.604+/-1.674 χ²/NDF:1028748.9/20
Out: 7439.293+/-1.579 χ²/NDF:1356736.4/24
All: 7636.719+/-1.148 χ²/NDF: 2418699.3/45


cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: -490.721+/-1239.913 χ²/NDF:6.7/5
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3715.500+/-1224.440 χ²/NDF:2.1/4
Left: 1638.798+/-871.229 χ²/NDF: 14.7/10
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 4063.534+/-751.543 χ²/NDF:11.2/20
Out: 1233.347+/-739.924 χ²/NDF:24.6/24
All: 2626.393+/-527.265 χ²/NDF: 42.9/45

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

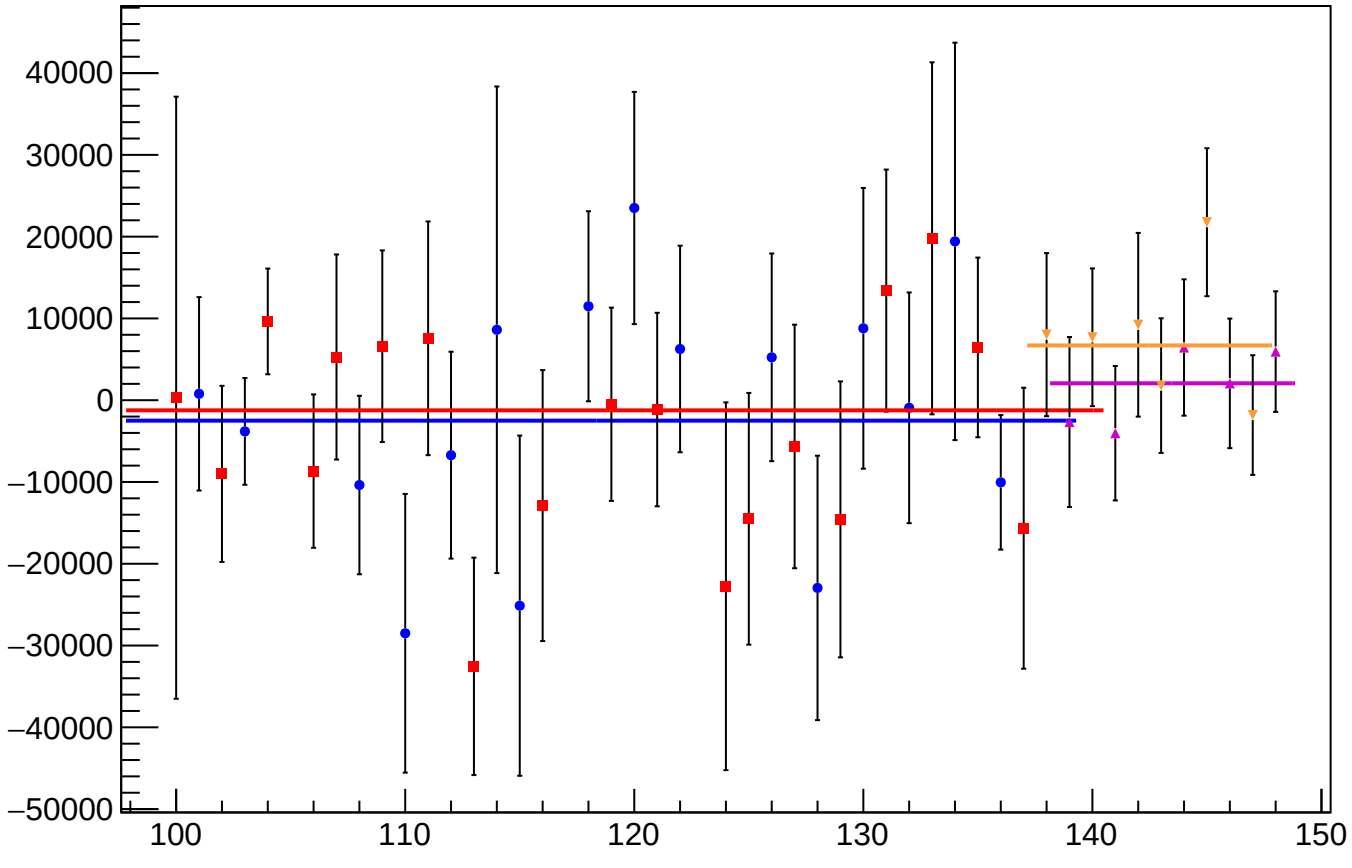
Left: 2593.332+/-0.616 χ^2/NDF: 66416.2/10

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2526.500+/-0.531 χ^2/NDF:645065.0/20

Out: 2514.326+/-0.523 χ^2/NDF:495623.0/24

All: 2520.318+/-0.373 χ^2/NDF: 1140954.5/45



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6698.029+/-3586.745 χ^2/NDF:4.6/5

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2067.147+/-3706.781 χ^2/NDF:1.3/4

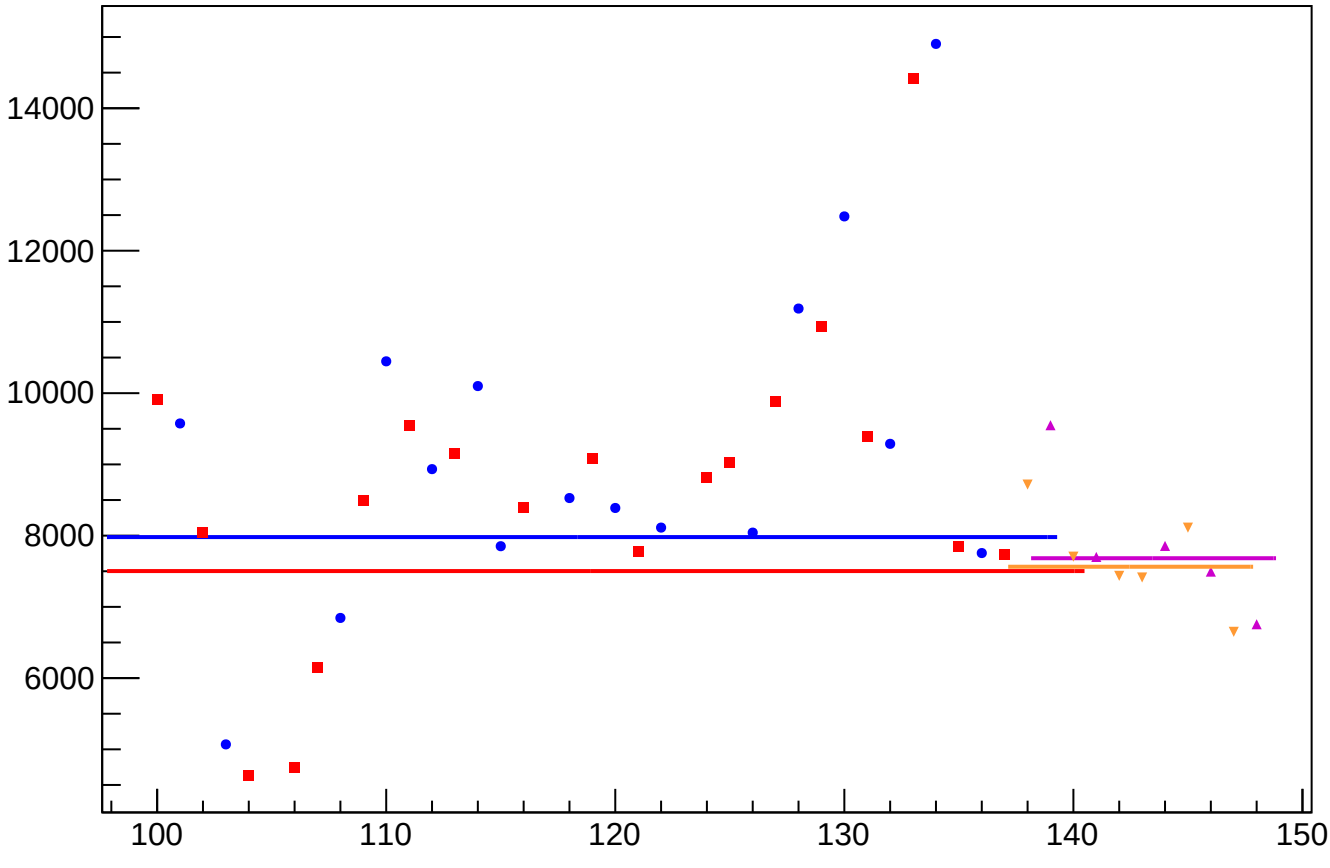
Left: 4458.782+/-2577.603 χ^2/NDF: 6.7/10

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -637.981+/-2366.970 χ^2/NDF:16.0/20

Out: 1889.443+/-2252.026 χ^2/NDF:24.2/24

All: 688.588+/-1631.545 χ^2/NDF: 40.7/45



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7563.446+/-2.536 χ^2/NDF:66814.0/5

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

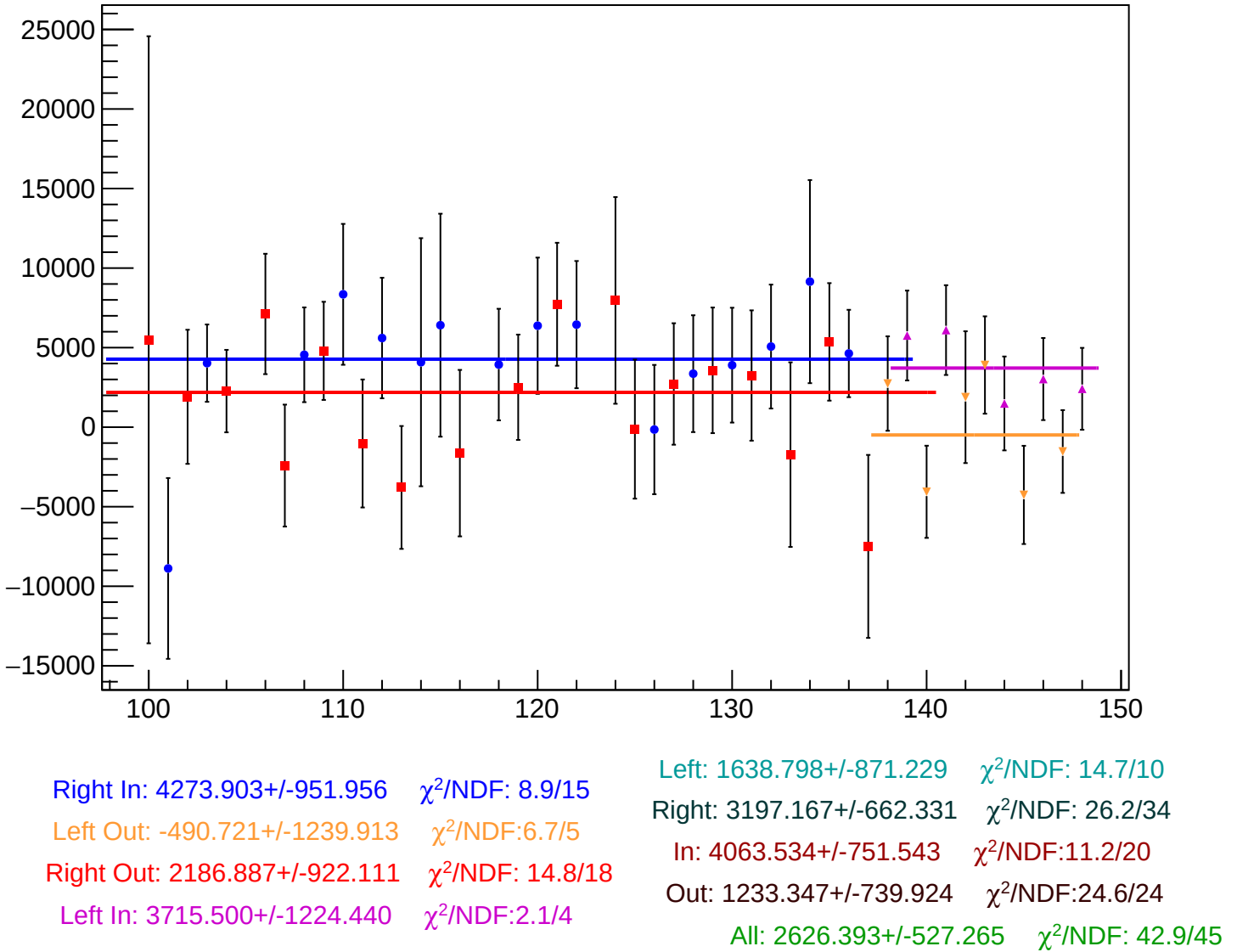
Left: 7621.259+/-1.823 χ^2/NDF: 165976.0/10

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

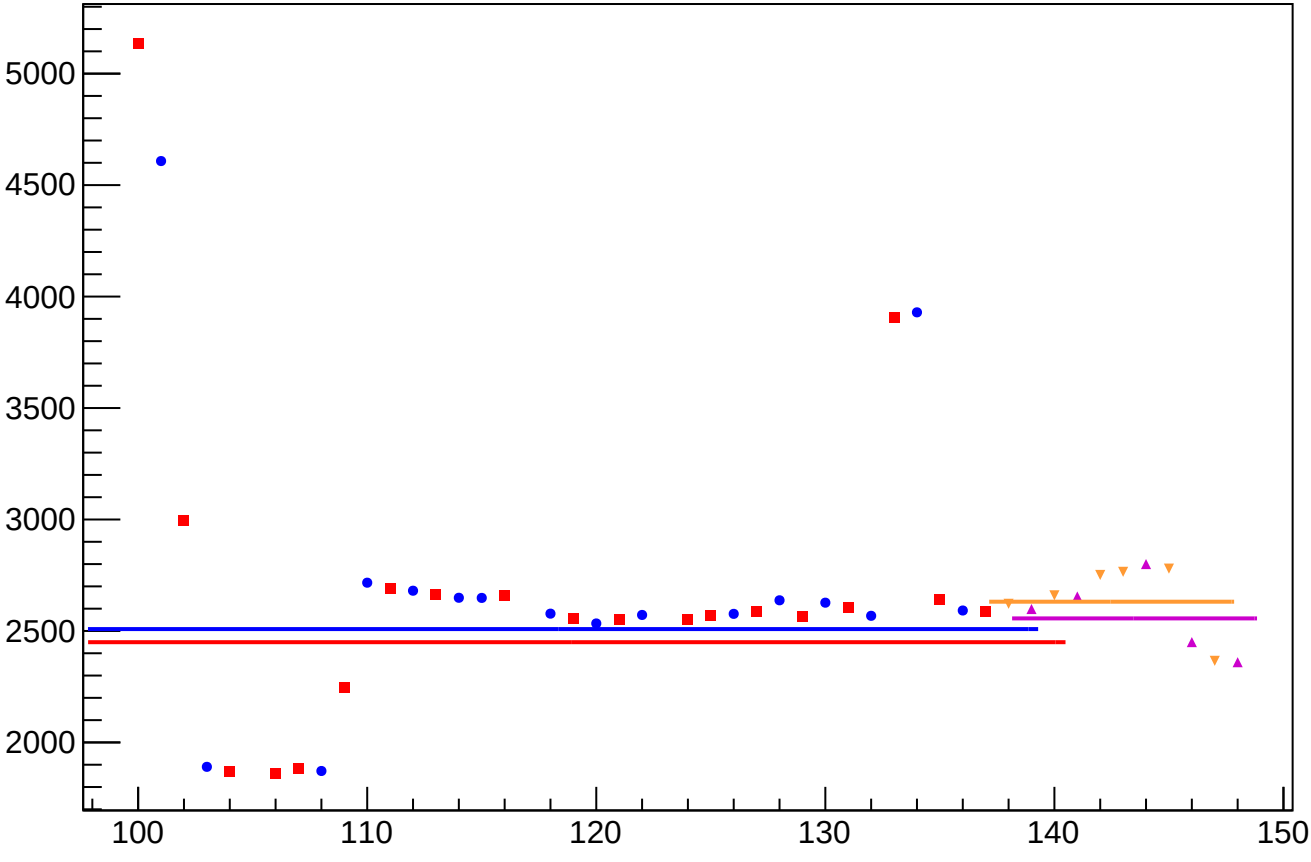
In: 7858.790+/-1.674 χ^2/NDF:1028467.1/20

Out: 7526.639+/-1.592 χ^2/NDF:1202685.2/24

All: 7684.454+/-1.154 χ^2/NDF: 2251823.5/45


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: -490.721+/-1239.913 χ²/NDF:6.7/5
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3715.500+/-1224.440 χ²/NDF:2.1/4
Left: 1638.798+/-871.229 χ²/NDF: 14.7/10
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 4063.534+/-751.543 χ²/NDF:11.2/20
Out: 1233.347+/-739.924 χ²/NDF:24.6/24
All: 2626.393+/-527.265 χ²/NDF: 42.9/45

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

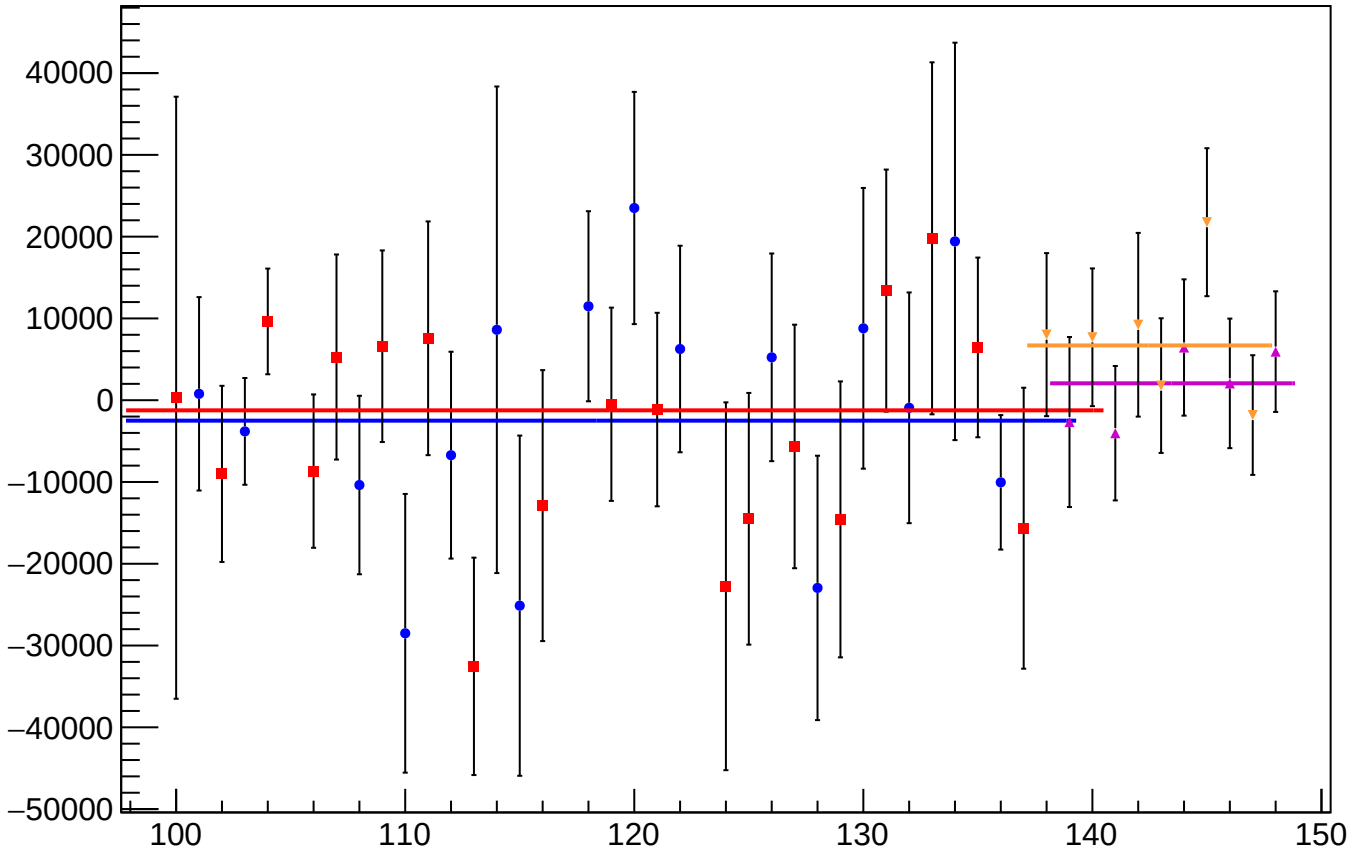
Left: 2593.332+/-0.616 χ^2/NDF: 66416.2/10

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2526.500+/-0.531 χ^2/NDF:645065.0/20

Out: 2514.326+/-0.523 χ^2/NDF:495623.0/24

All: 2520.318+/-0.373 χ^2/NDF: 1140954.5/45



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6698.029+/-3586.745 χ^2/NDF:4.6/5

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2067.147+/-3706.781 χ^2/NDF:1.3/4

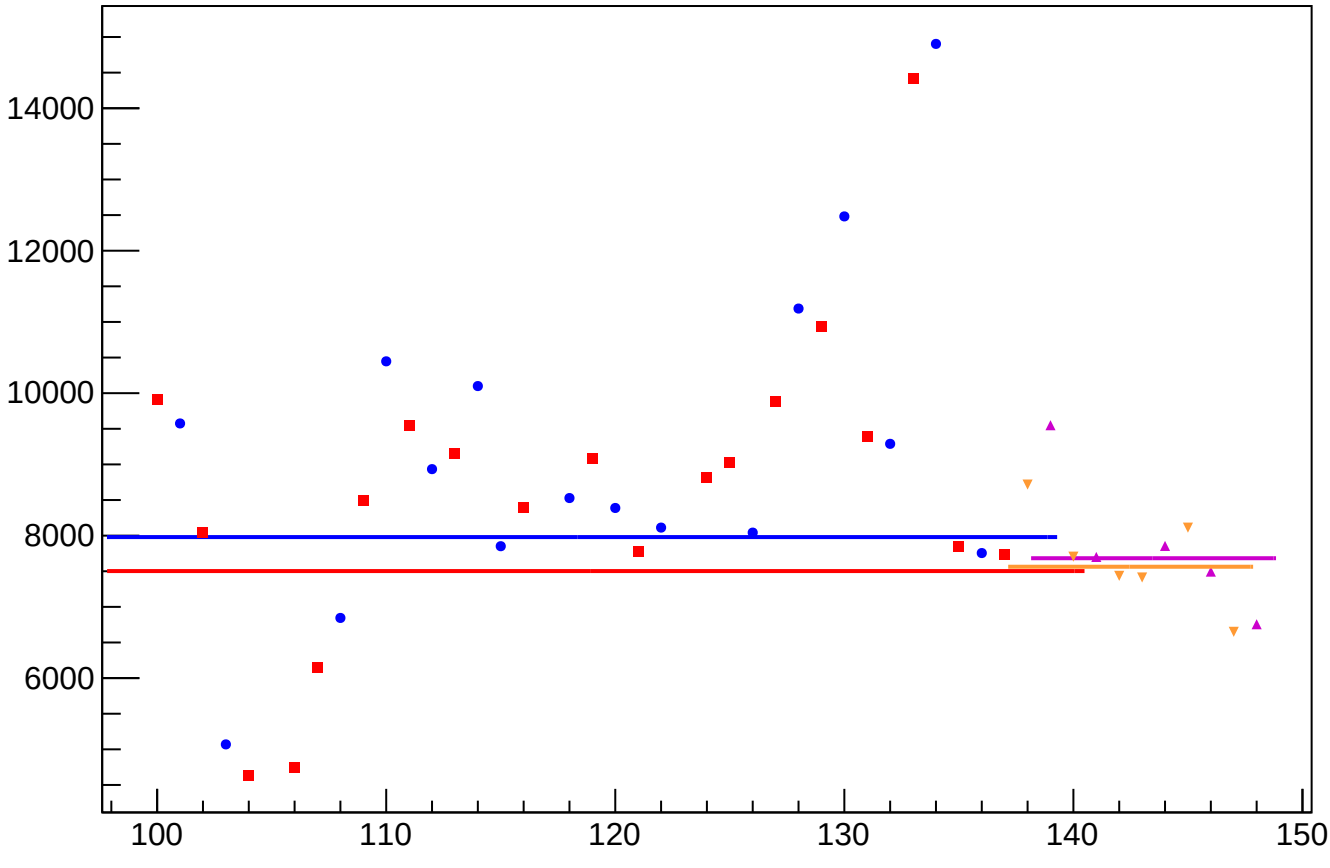
Left: 4458.782+/-2577.603 χ^2/NDF: 6.7/10

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -637.981+/-2366.970 χ^2/NDF:16.0/20

Out: 1889.443+/-2252.026 χ^2/NDF:24.2/24

All: 688.588+/-1631.545 χ^2/NDF: 40.7/45



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7563.446+/-2.536 χ^2/NDF:66814.0/5

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

Left: 7621.259+/-1.823 χ^2/NDF: 165976.0/10

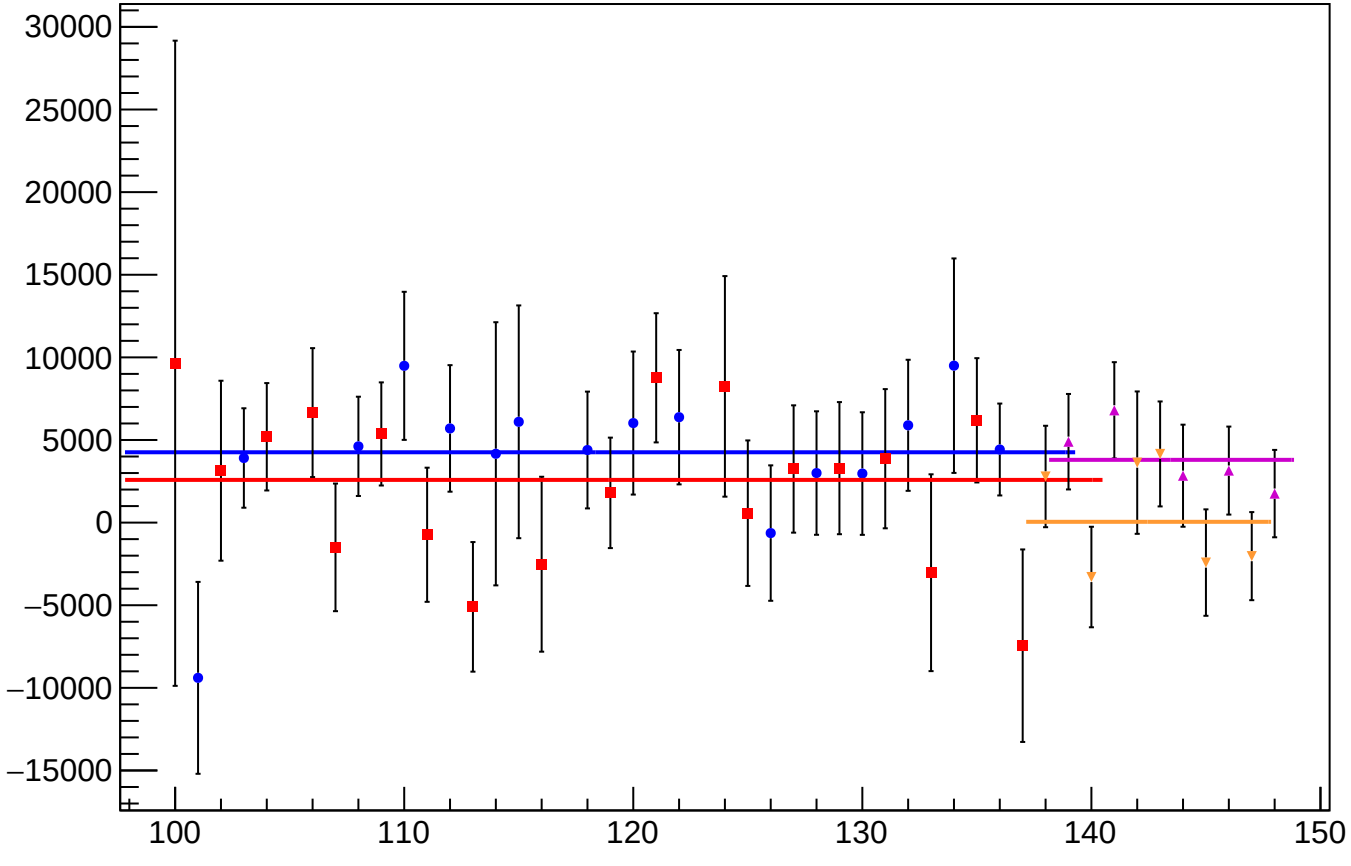
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7858.790+/-1.674 χ^2/NDF:1028467.1/20

Out: 7526.639+/-1.592 χ^2/NDF:1202685.2/24

All: 7684.454+/-1.154 χ^2/NDF: 2251823.5/45

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 48.272+/-1286.314 χ^2/NDF:5.6/5

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3798.489+/-1263.485 χ^2/NDF:2.0/4

Left: 1956.955+/-901.382 χ^2/NDF: 11.8/10

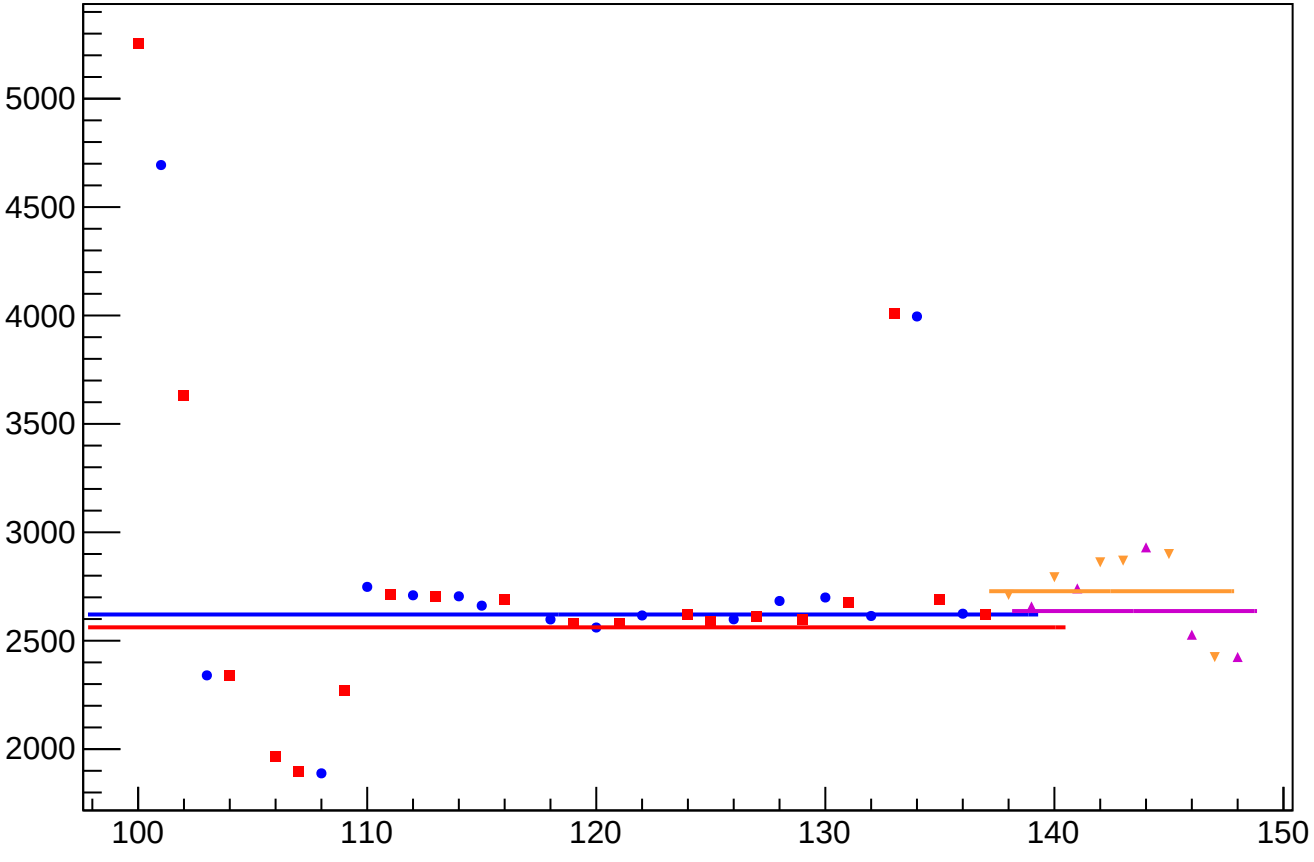
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4082.449+/-779.539 χ^2/NDF:12.1/20

Out: 1669.989+/-772.460 χ^2/NDF:25.7/24

All: 2865.216+/-548.697 χ^2/NDF: 42.6/45

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2728.327+/-0.910 χ^2/NDF:38470.5/5

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2636.787+/-0.893 χ^2/NDF:36987.7/4

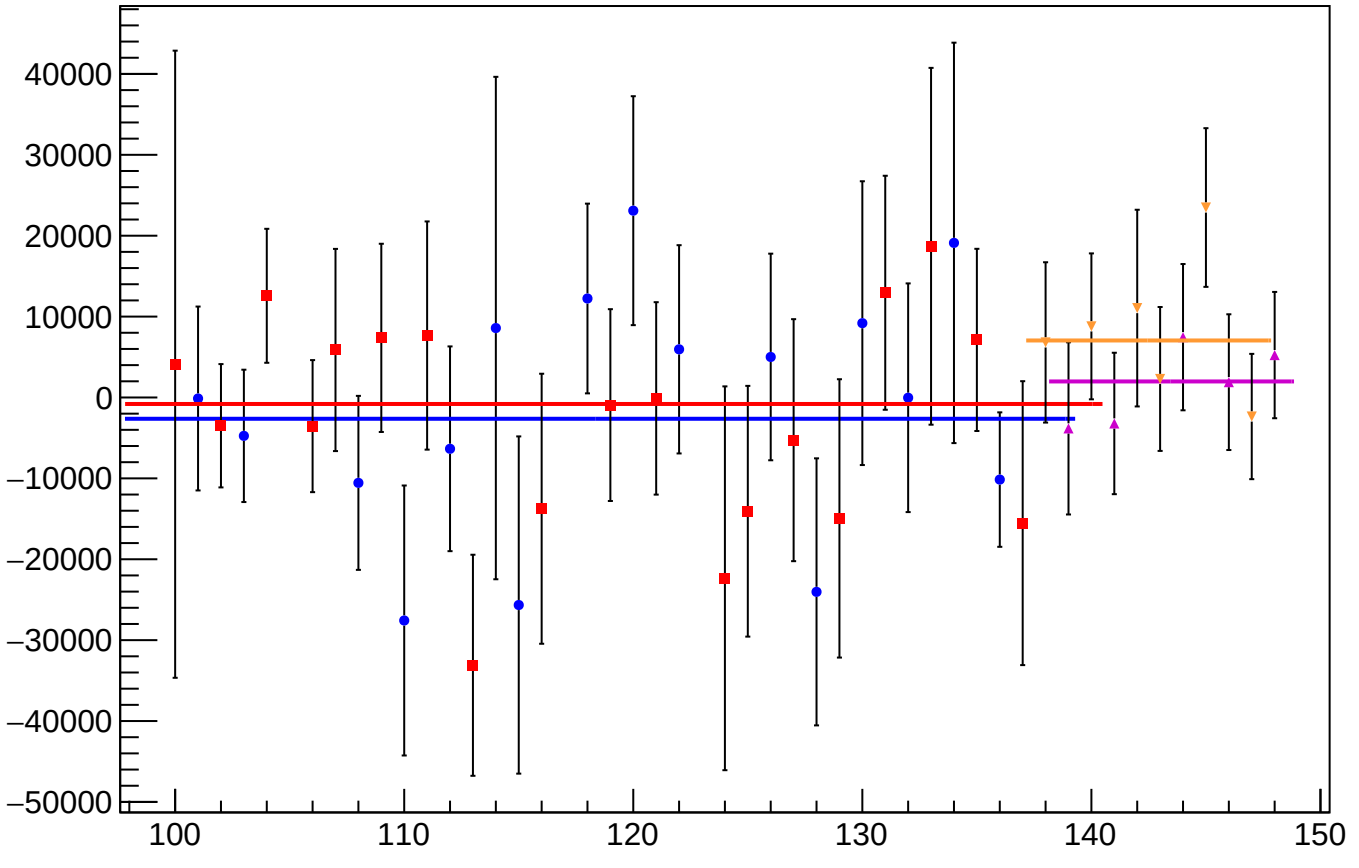
Left: 2681.738+/-0.637 χ^2/NDF: 80613.2/10

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2626.987+/-0.551 χ^2/NDF:523096.1/20

Out: 2621.757+/-0.546 χ^2/NDF:438191.9/24

All: 2624.347+/-0.388 χ^2/NDF: 961333.4/45



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 7048.180+/-3808.685 χ^2/NDF:4.7/5

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 1982.034+/-3929.828 χ^2/NDF:1.2/4

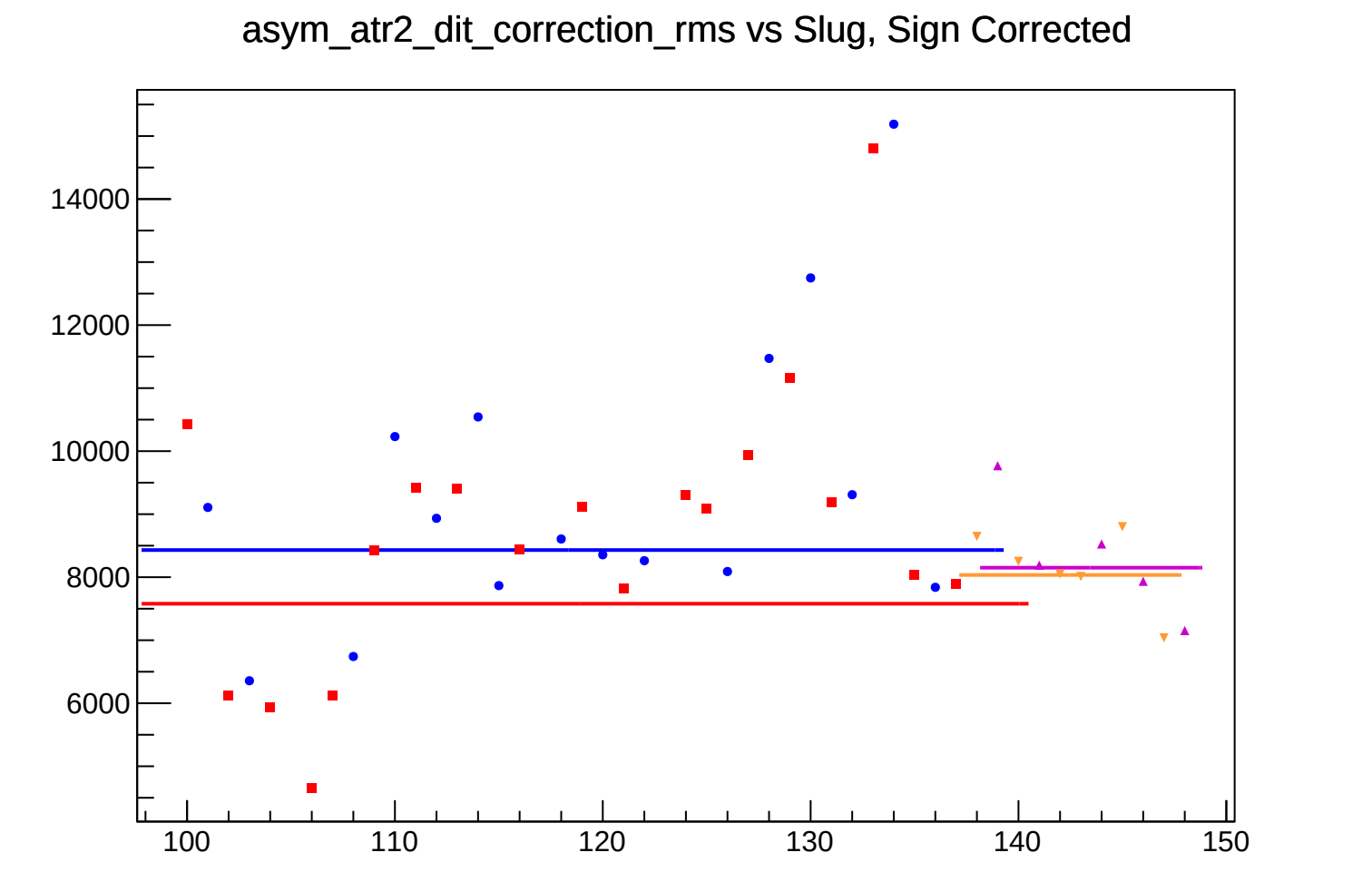
Left: 4594.396+/-2734.972 χ^2/NDF: 6.8/10

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -784.396+/-2486.749 χ^2/NDF:15.8/20

Out: 2044.272+/-2293.592 χ^2/NDF:22.8/24

All: 744.048+/-1685.971 χ^2/NDF: 39.3/45



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8035.542+/-2.693 χ^2/NDF:54099.6/5

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8150.786+/-2.779 χ^2/NDF:83731.4/4

Left: 8091.361+/-1.934 χ^2/NDF: 138717.9/10

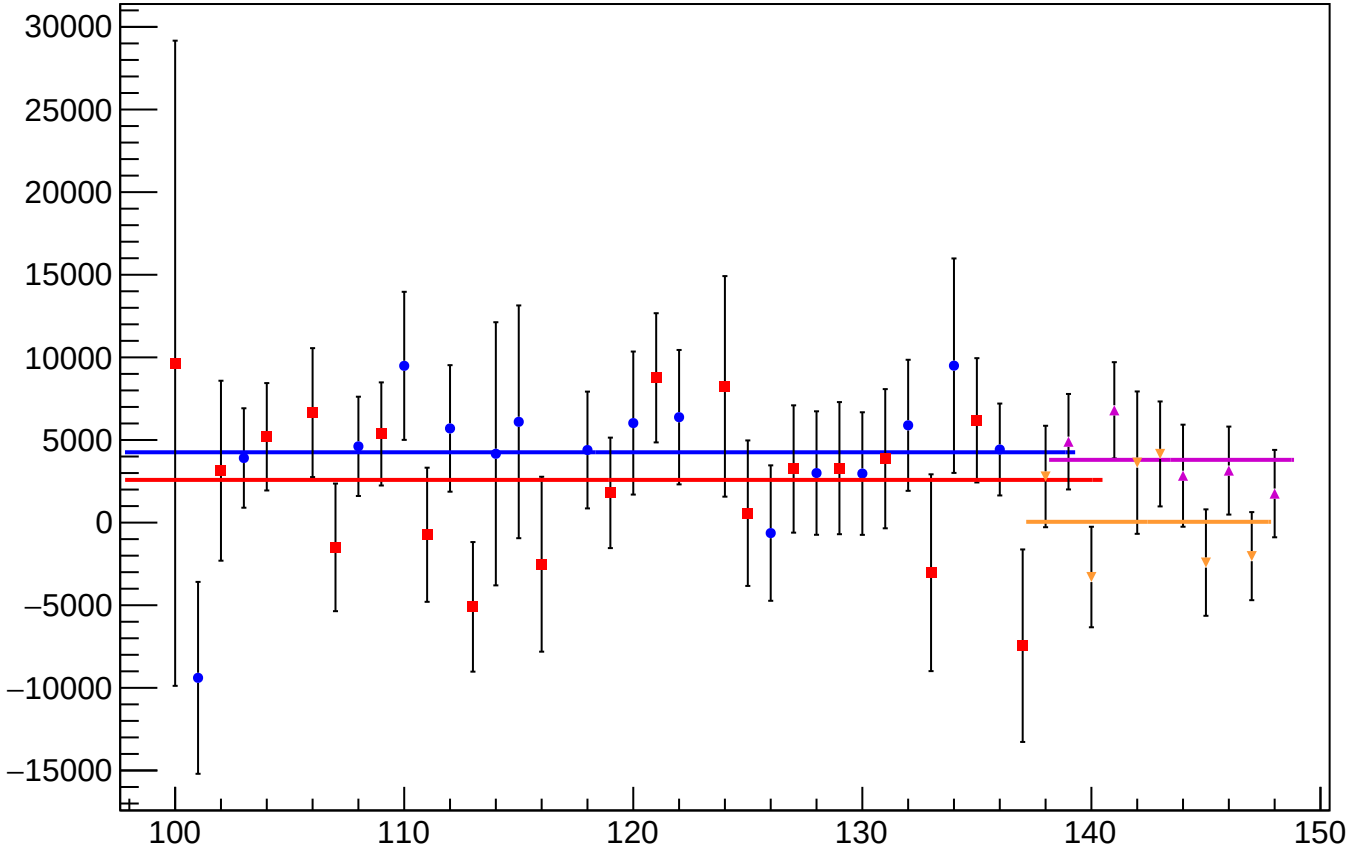
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8318.658+/-1.758 χ^2/NDF:670113.2/20

Out: 7744.634+/-1.622 χ^2/NDF:1046533.2/24

All: 8008.489+/-1.192 χ^2/NDF: 1774229.2/45

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 48.272+/-1286.315 χ^2/NDF:5.6/5

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3798.479+/-1263.486 χ^2/NDF:2.0/4

Left: 1956.950+/-901.383 χ^2/NDF: 11.8/10

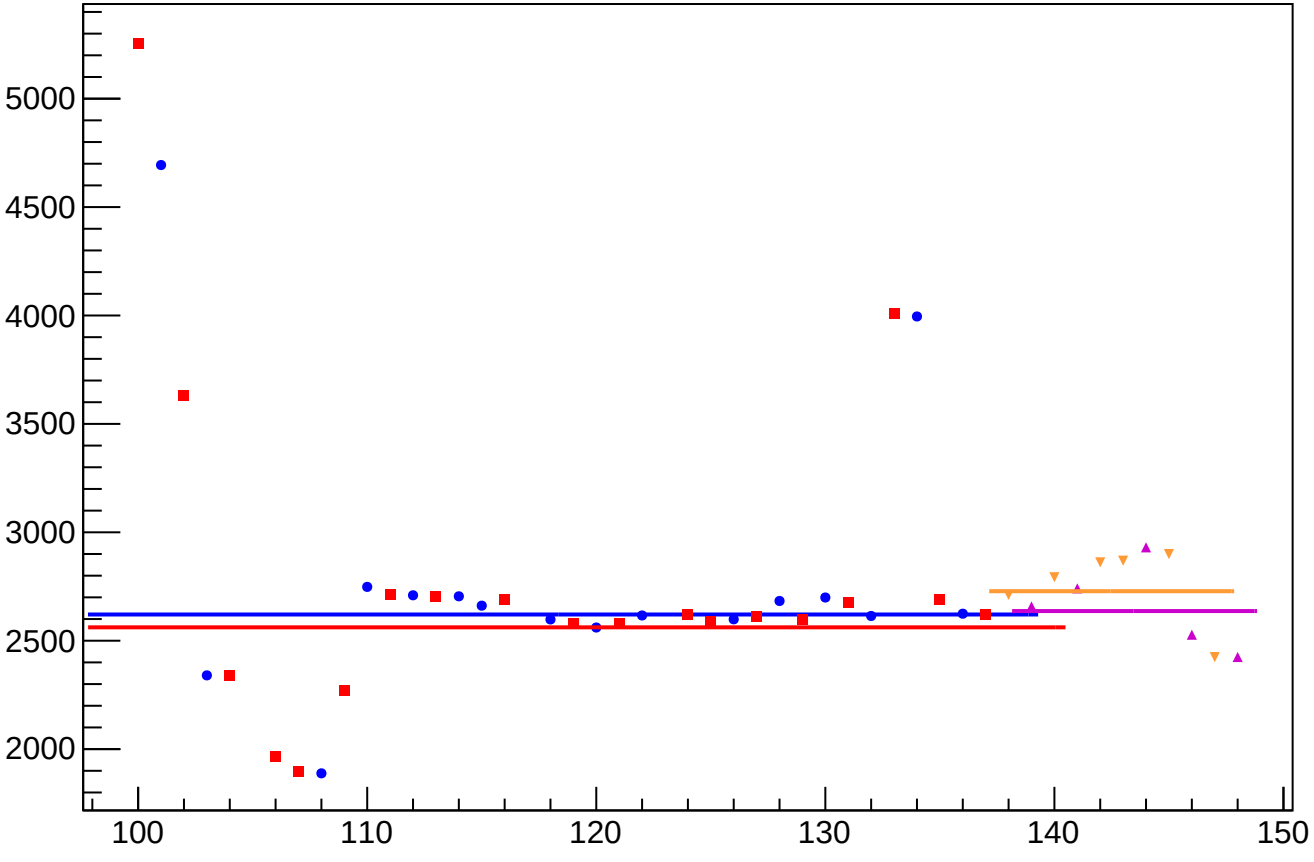
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4082.451+/-779.539 χ^2/NDF:12.1/20

Out: 1669.996+/-772.460 χ^2/NDF:25.7/24

All: 2865.220+/-548.698 χ^2/NDF: 42.6/45

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2728.329+/-0.910 χ^2/NDF:38470.6/5

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2636.789+/-0.893 χ^2/NDF:36987.4/4

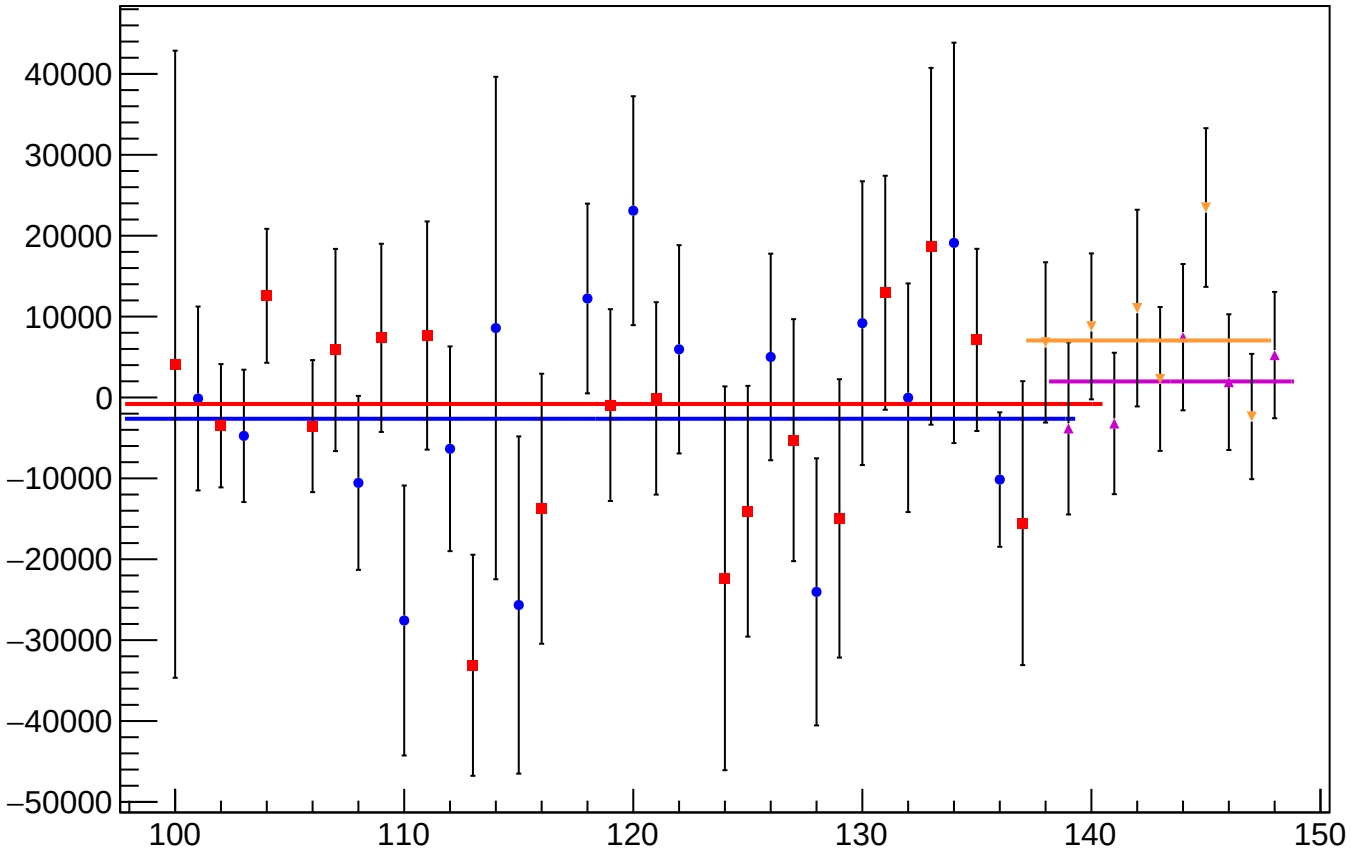
Left: 2681.740+/-0.637 χ^2/NDF: 80612.9/10

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2626.987+/-0.551 χ^2/NDF:523096.1/20

Out: 2621.757+/-0.546 χ^2/NDF:438191.9/24

All: 2624.348+/-0.388 χ^2/NDF: 961333.4/45



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 7048.185+/-3808.690 χ^2/NDF:4.7/5

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1982.019+/-3929.833 χ^2/NDF:1.2/4

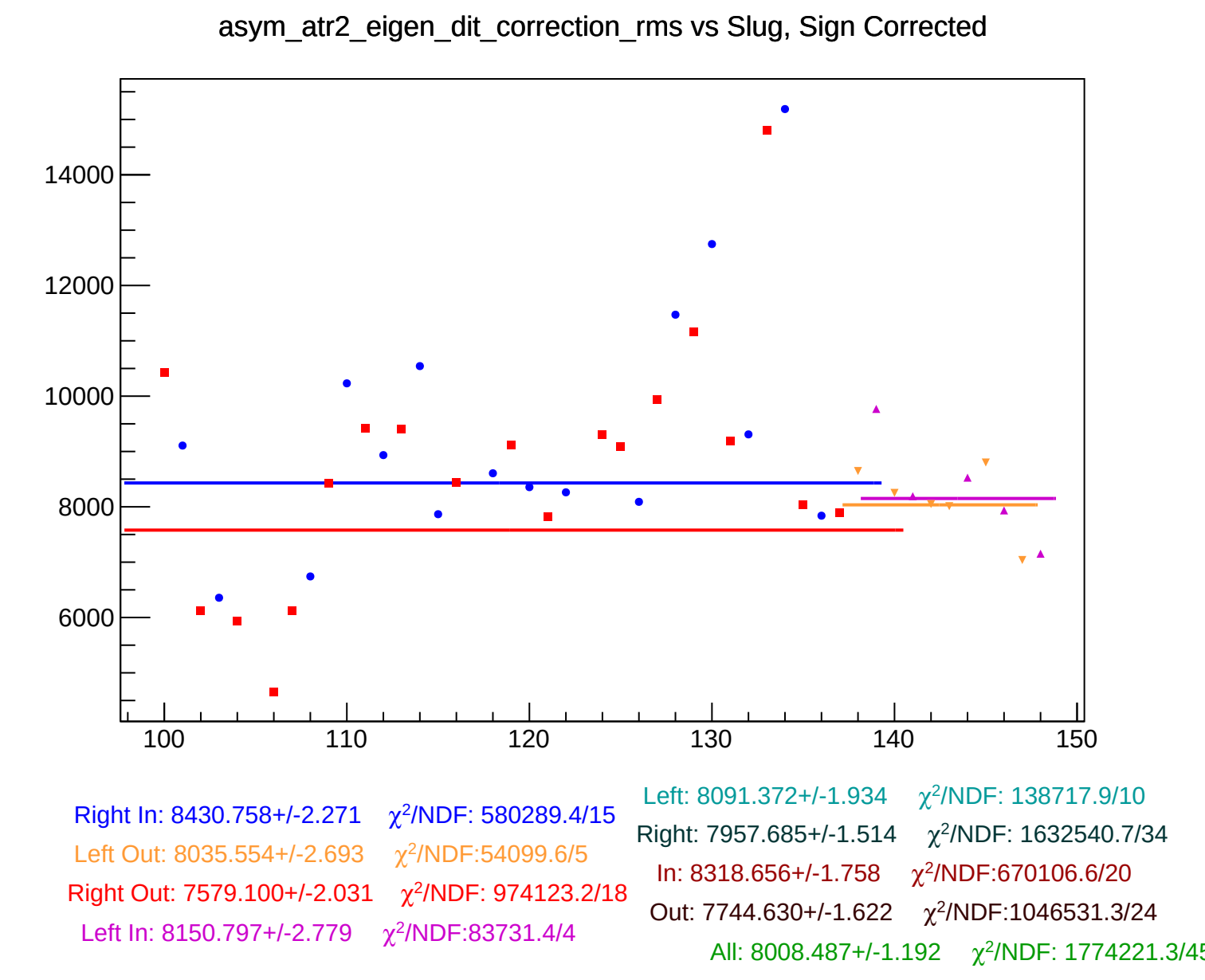
Left: 4594.391+/-2734.976 χ^2/NDF: 6.8/10

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

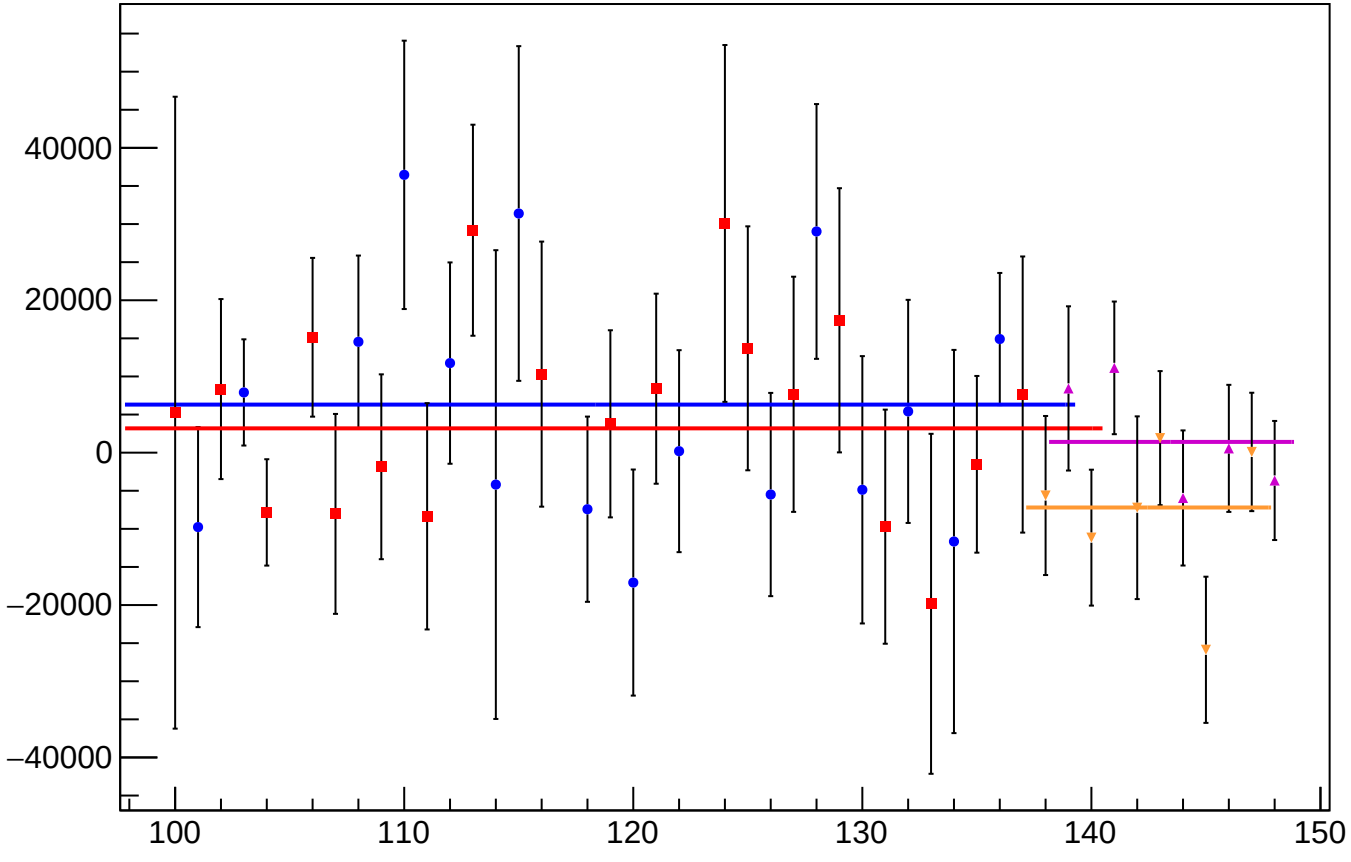
In: -784.388+/-2486.748 χ^2/NDF:15.8/20

Out: 2044.265+/-2293.591 χ^2/NDF:22.8/24

All: 744.049+/-1685.970 χ^2/NDF: 39.3/45


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 8035.554+/-2.693 χ²/NDF:54099.6/5
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 8150.797+/-2.779 χ²/NDF:83731.4/4
Left: 8091.372+/-1.934 χ²/NDF: 138717.9/10
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8318.656+/-1.758 χ²/NDF:670106.6/20
Out: 7744.630+/-1.622 χ²/NDF:1046531.3/24
All: 8008.487+/-1.192 χ²/NDF: 1774221.3/45

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -7196.151+/-3805.034 χ^2/NDF:6.0/5

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1410.278+/-3913.606 χ^2/NDF:2.8/4

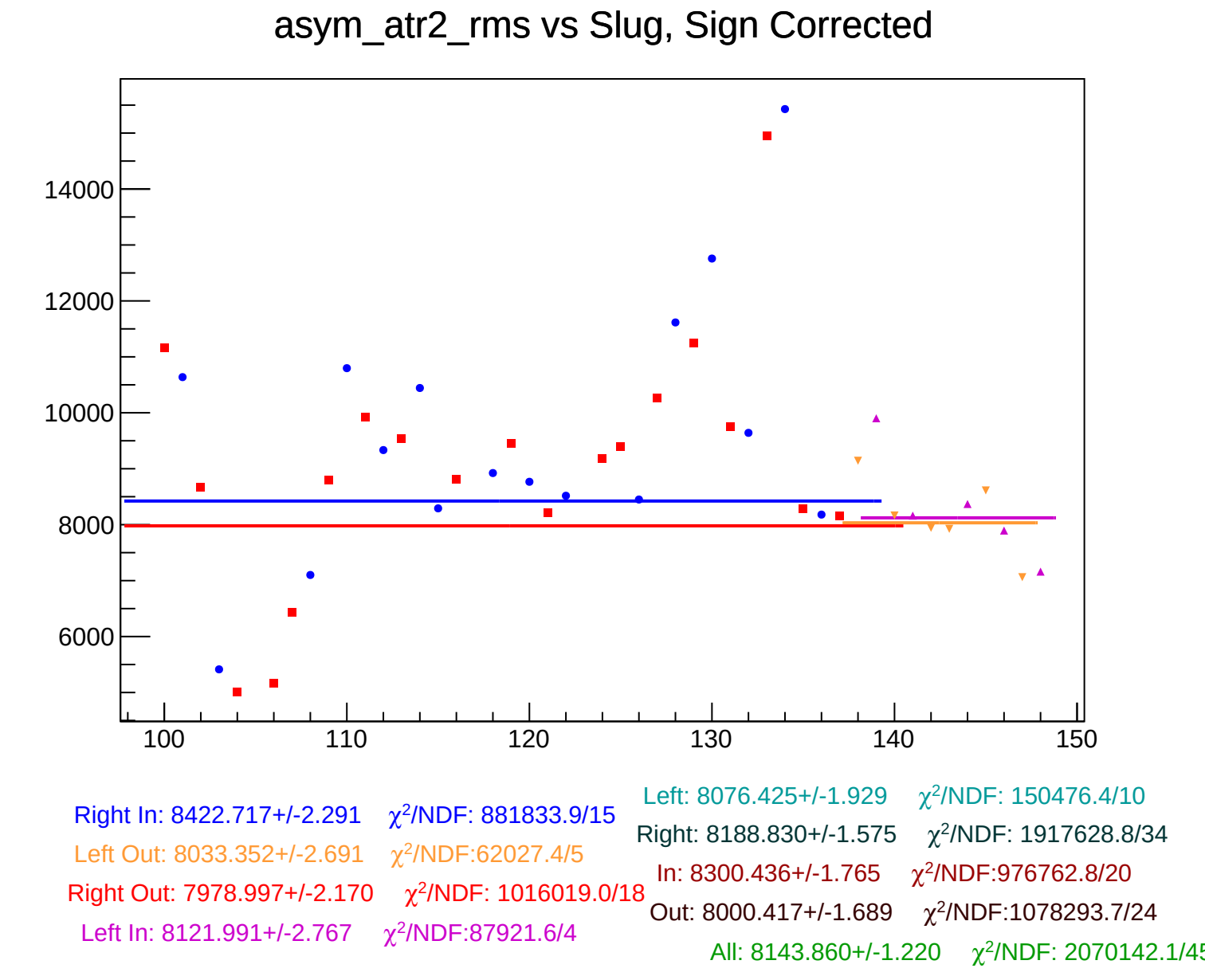
Left: -3013.972+/-2728.142 χ^2/NDF: 11.2/10

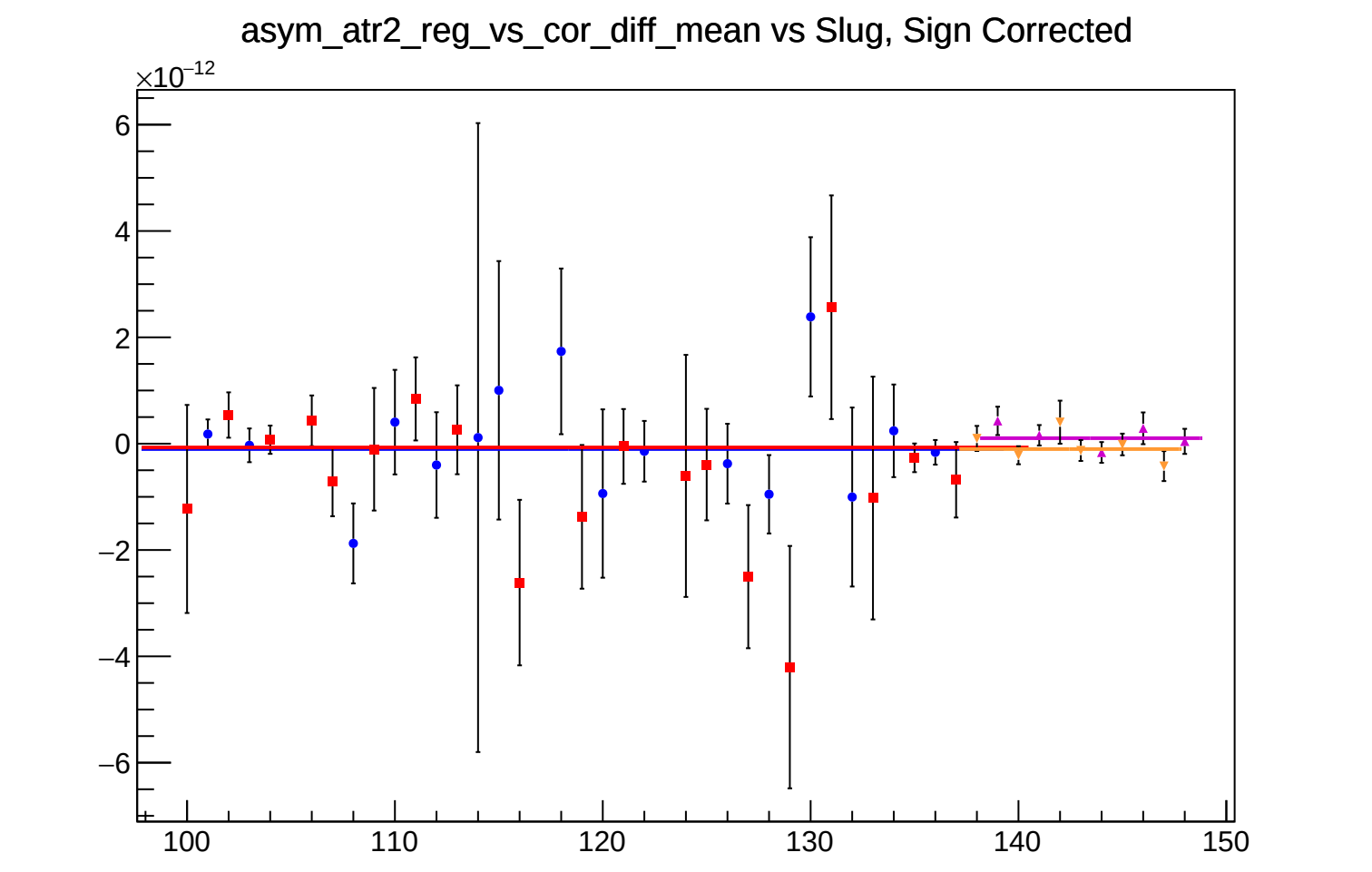
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4315.914+/-2495.581 χ^2/NDF:18.8/20

Out: -903.406+/-2388.652 χ^2/NDF:24.4/24

All: 1592.045+/-1725.596 χ^2/NDF: 45.5/45


asym_atr2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 8422.717+/-2.291 χ²/NDF: 881833.9/15
Left Out: 8033.352+/-2.691 χ²/NDF:62027.4/5
Right Out: 7978.997+/-2.170 χ²/NDF: 1016019.0/18
Left In: 8121.991+/-2.767 χ²/NDF:87921.6/4
Left: 8076.425+/-1.929 χ²/NDF: 150476.4/10
Right: 8188.830+/-1.575 χ²/NDF: 1917628.8/34
In: 8300.436+/-1.765 χ²/NDF:976762.8/20
Out: 8000.417+/-1.689 χ²/NDF:1078293.7/24
All: 8143.860+/-1.220 χ²/NDF: 2070142.1/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

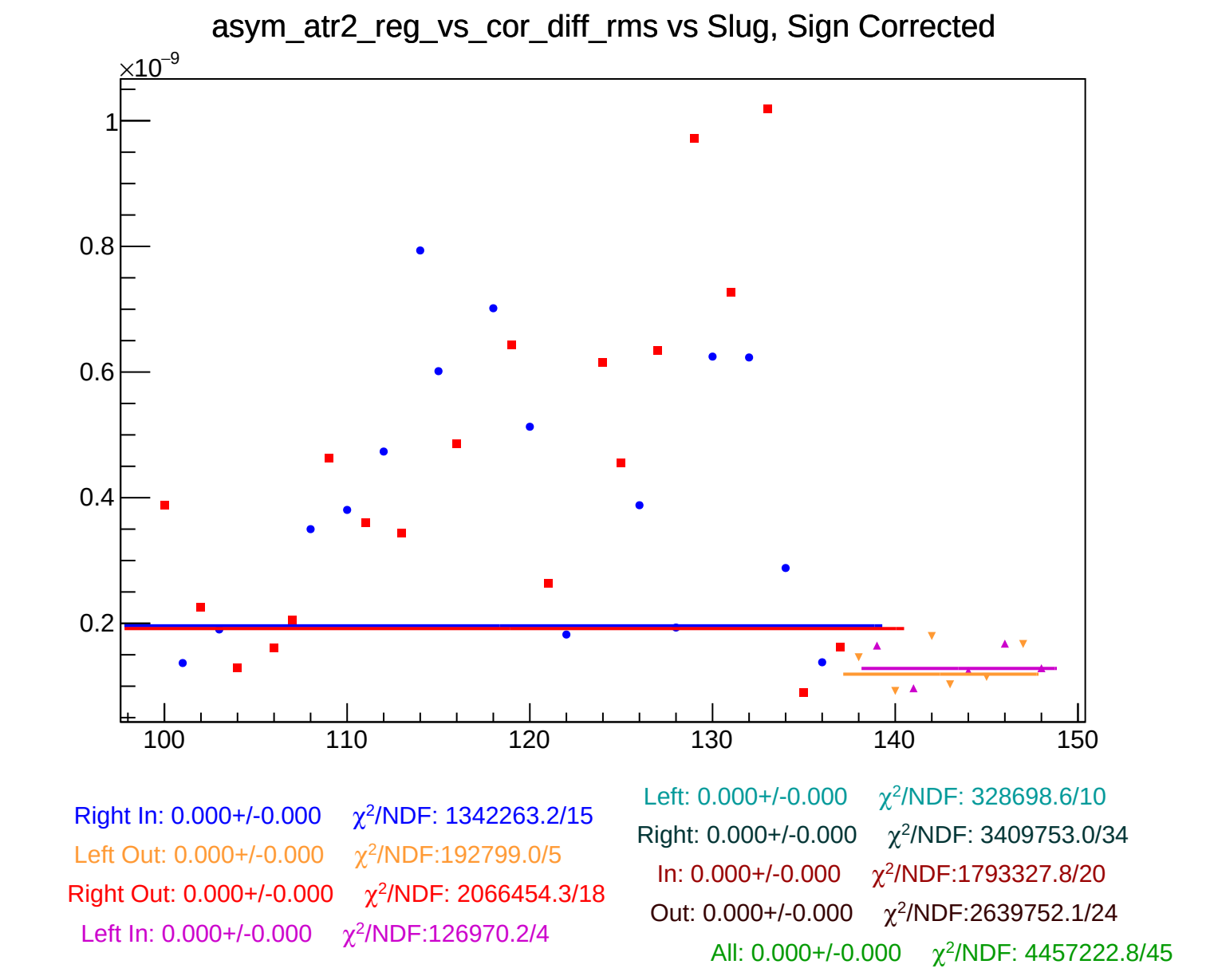
Left: -0.000+/-0.000 χ^2/NDF: 10.4/10

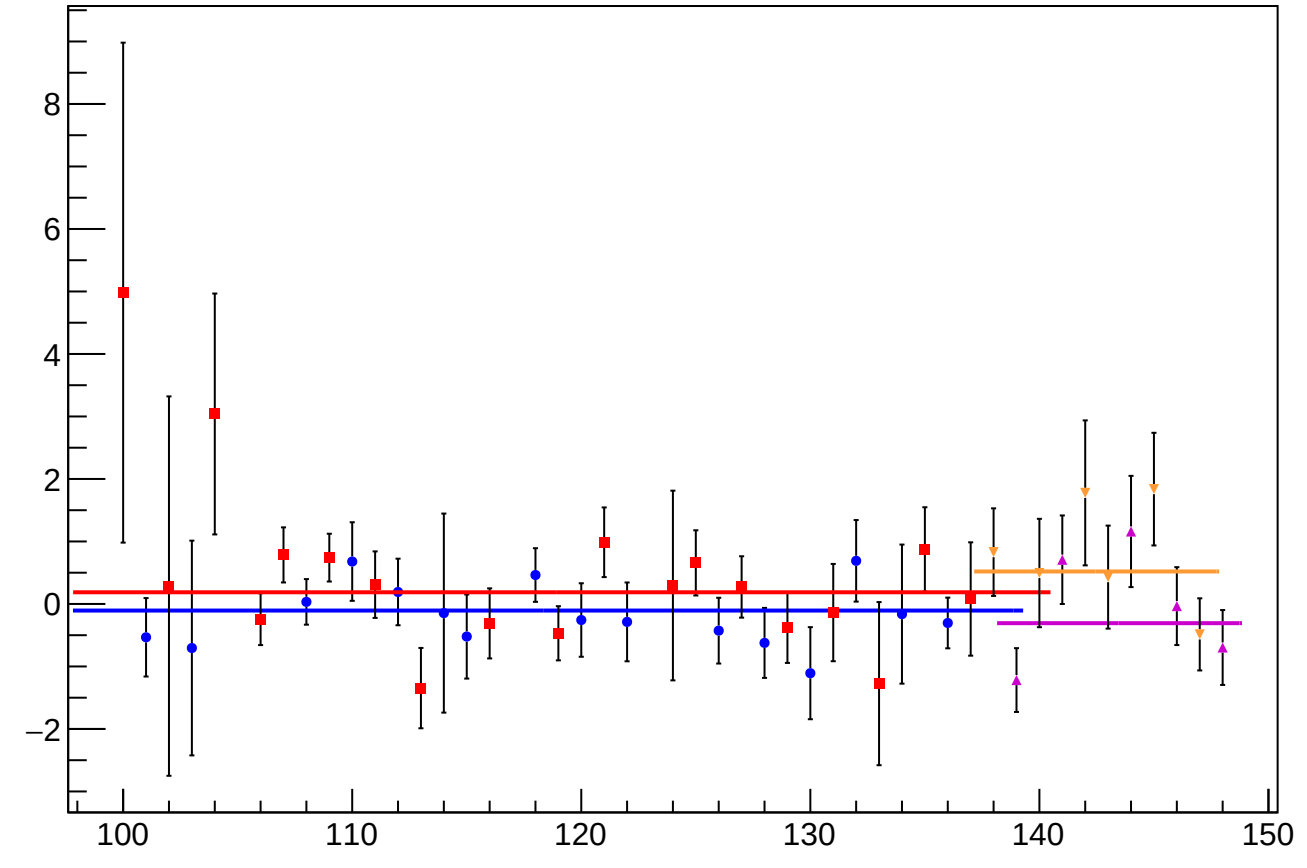
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:19.0/20

Out: -0.000+/-0.000 χ^2/NDF:23.9/24

All: -0.000+/-0.000 χ^2/NDF: 44.1/45


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:192799.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:126970.2/4
Left: 0.000+/-0.000 χ²/NDF: 328698.6/10
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1793327.8/20
Out: 0.000+/-0.000 χ²/NDF:2639752.1/24
All: 0.000+/-0.000 χ²/NDF: 4457222.8/45



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.307+/-0.283 χ^2/NDF:8.6/4

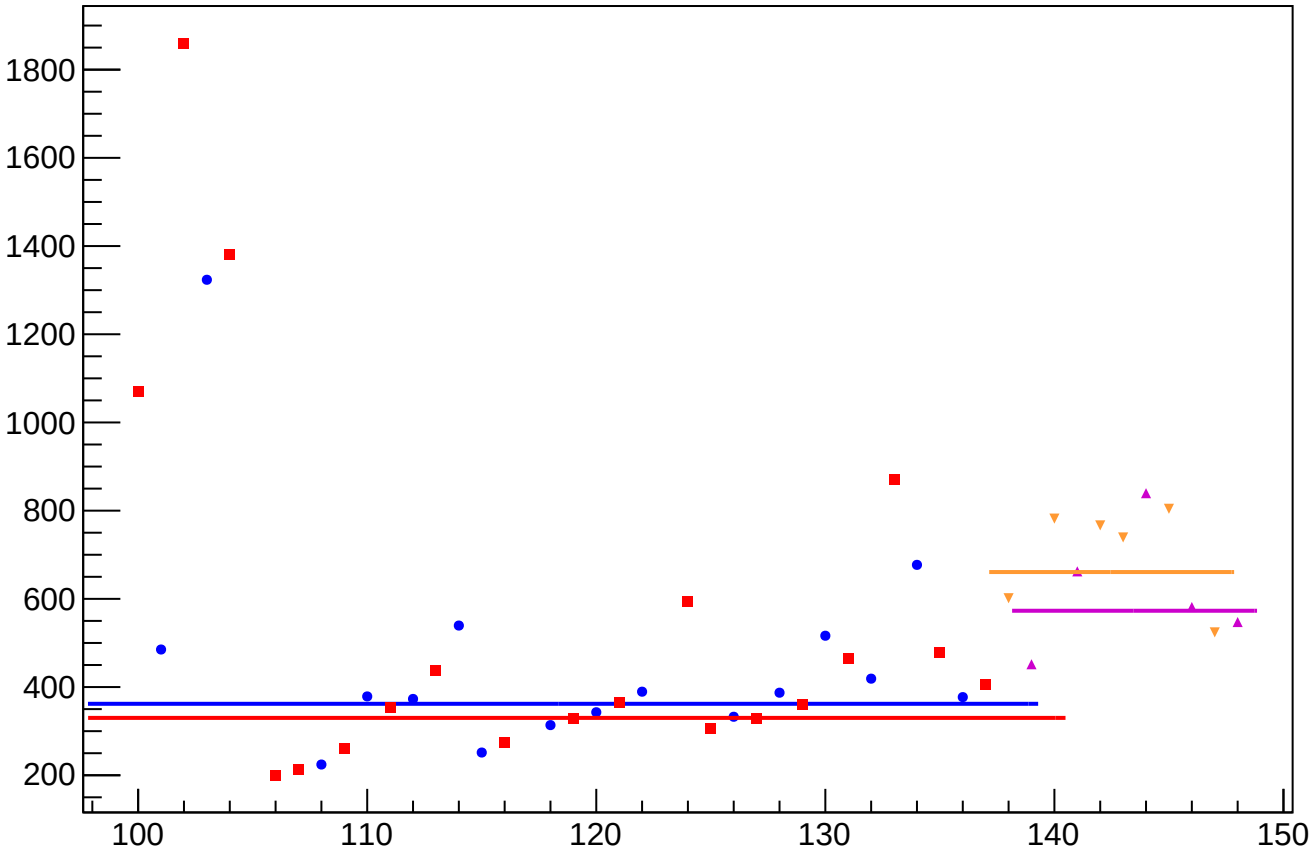
Left: 0.057+/-0.212 χ^2/NDF: 18.9/10

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.147+/-0.129 χ^2/NDF:18.7/20

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.050+/-0.090 χ^2/NDF: 54.6/45



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 660.812+/-0.226 χ^2/NDF:251223.9/5

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

Left: 611.717+/-0.150 χ^2/NDF: 664041.0/10

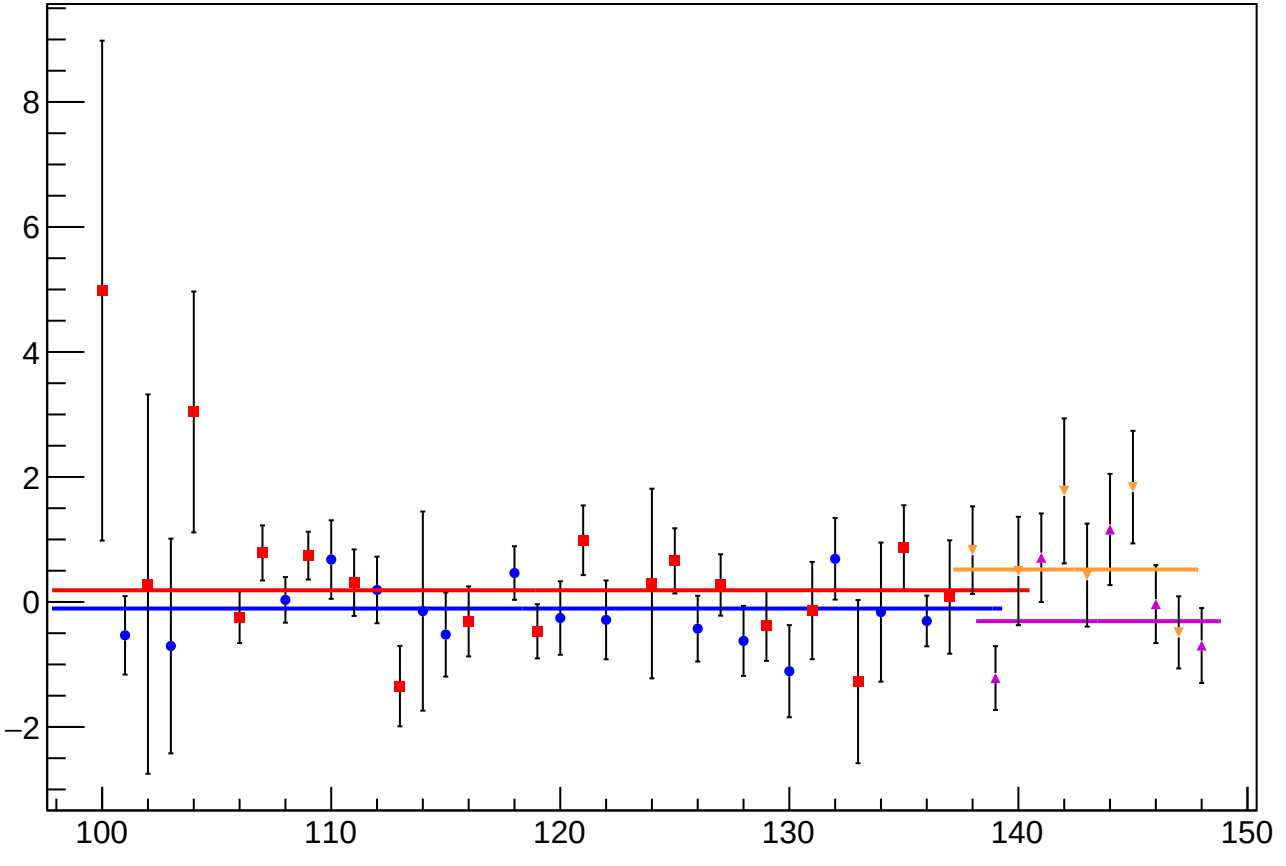
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 405.674+/-0.091 χ^2/NDF:2585164.8/20

Out: 381.800+/-0.089 χ^2/NDF:4309413.6/24

All: 393.490+/-0.064 χ^2/NDF: 6929617.0/45

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.307+/-0.283 χ^2/NDF:8.6/4

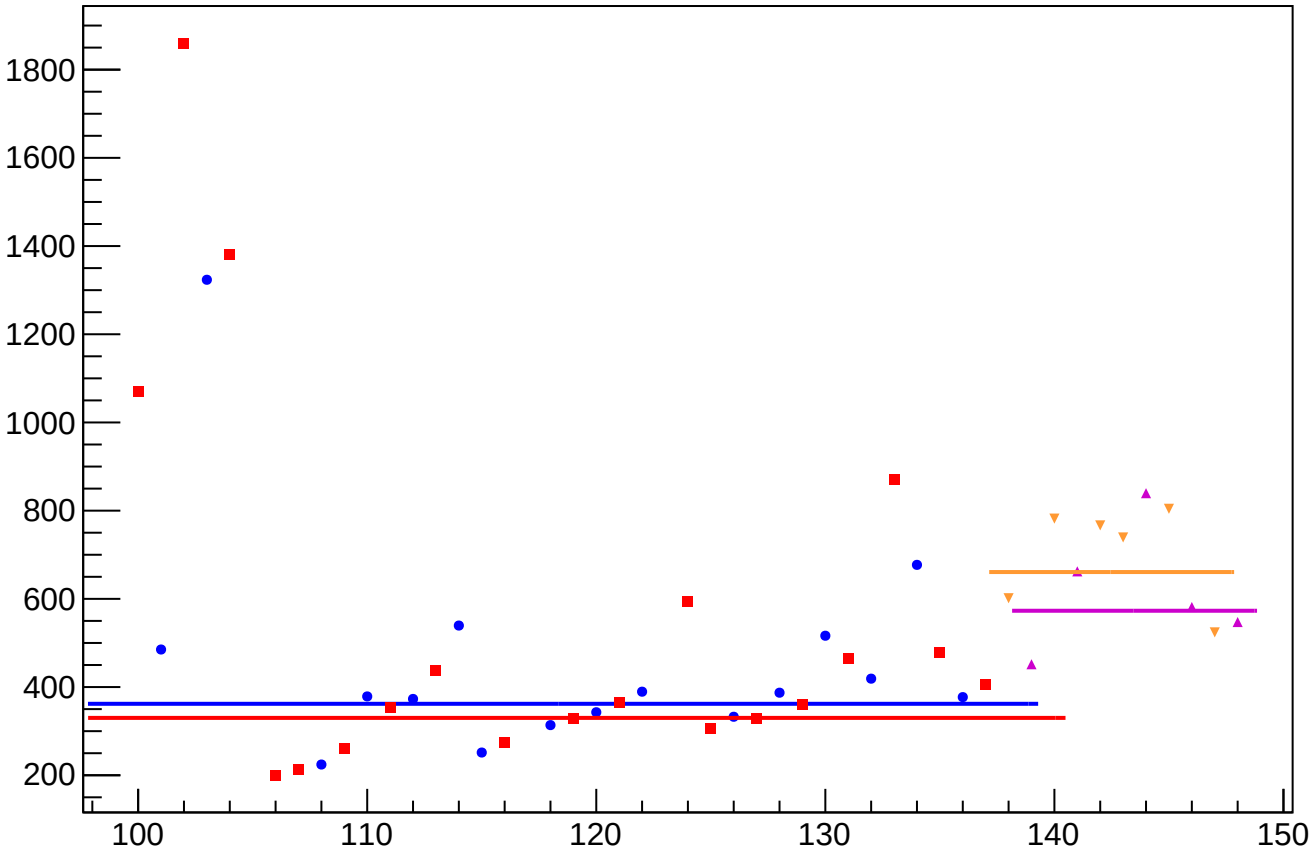
Left: 0.057+/-0.212 χ^2/NDF: 18.9/10

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.147+/-0.129 χ^2/NDF:18.7/20

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.050+/-0.090 χ^2/NDF: 54.6/45



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 660.812+/-0.226 χ^2/NDF:251223.9/5

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

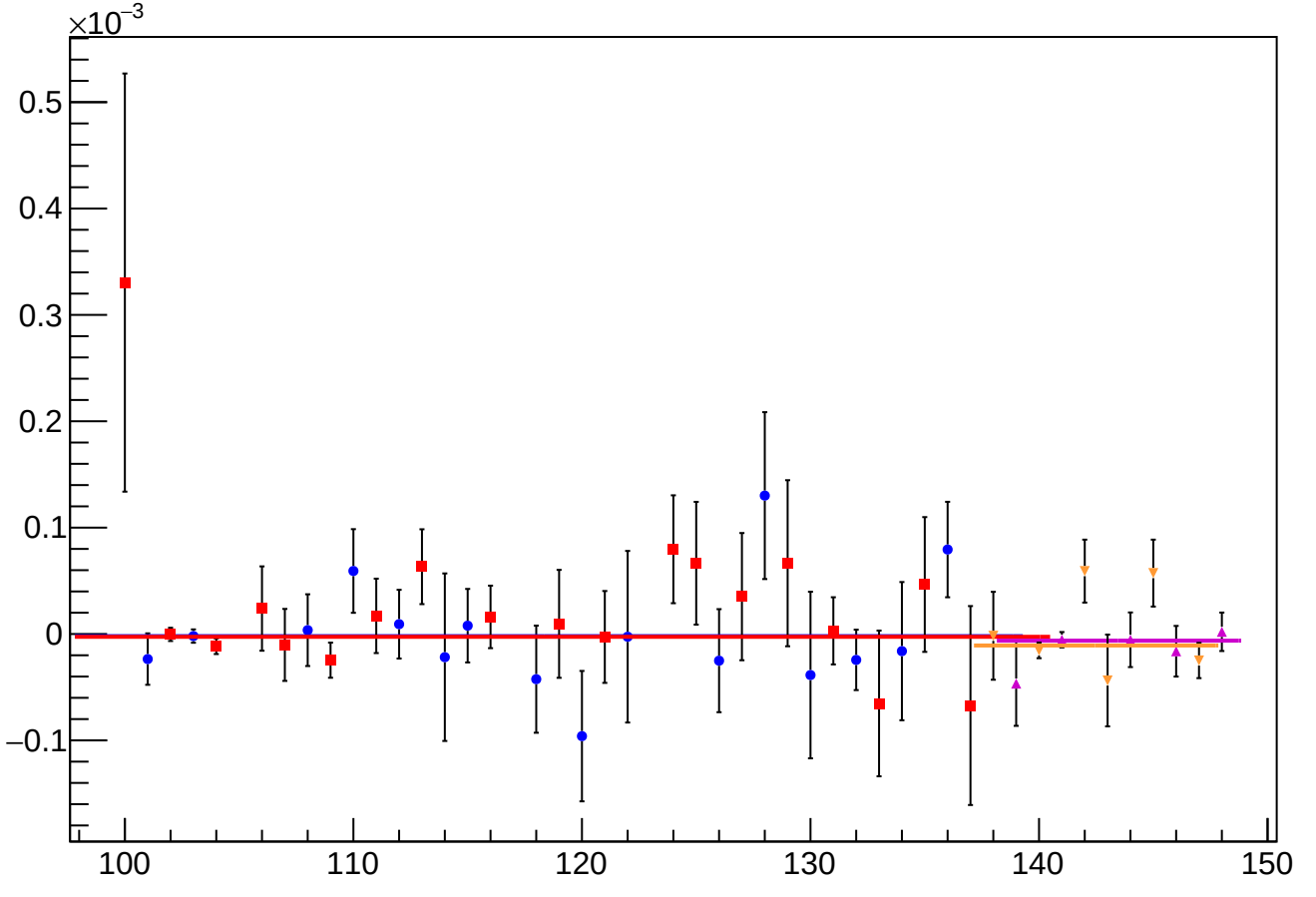
Left: 611.717+/-0.150 χ^2/NDF: 664041.0/10

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 405.674+/-0.091 χ^2/NDF:2585164.8/20

Out: 381.800+/-0.089 χ^2/NDF:4309413.6/24

All: 393.490+/-0.064 χ^2/NDF: 6929617.0/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

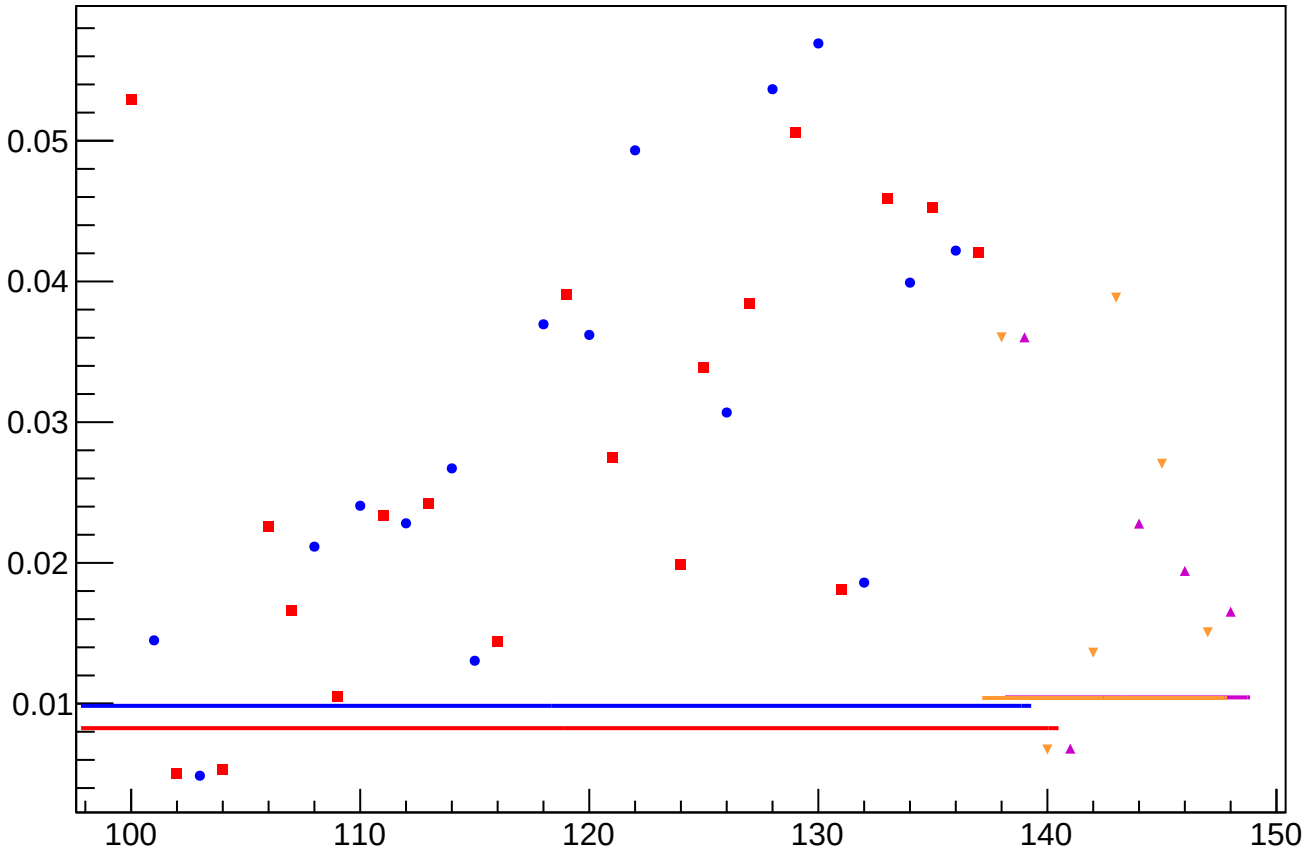
Left: -0.000+/-0.000 χ^2/NDF: 13.7/10

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:15.4/20

Out: -0.000+/-0.000 χ^2/NDF:31.4/24

All: -0.000+/-0.000 χ^2/NDF: 46.9/45



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:2877621.8/5

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.010+/-0.000 χ^2/NDF:2308305.6/4

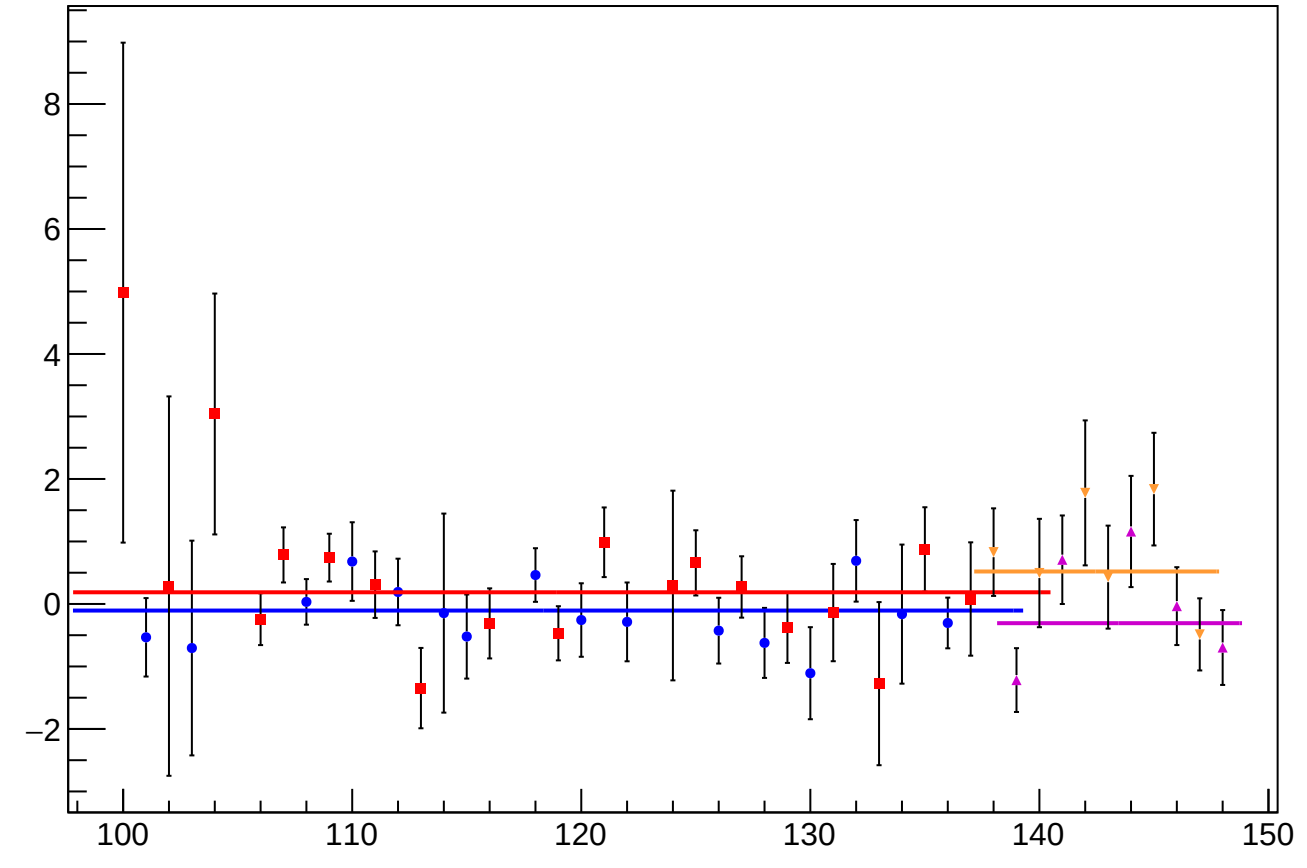
Left: 0.010+/-0.000 χ^2/NDF: 5185974.0/10

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.010+/-0.000 χ^2/NDF:9371358.3/20

Out: 0.009+/-0.000 χ^2/NDF:9779503.8/24

All: 0.009+/-0.000 χ^2/NDF: 19246699.3/45



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.307+/-0.283 χ^2/NDF:8.6/4

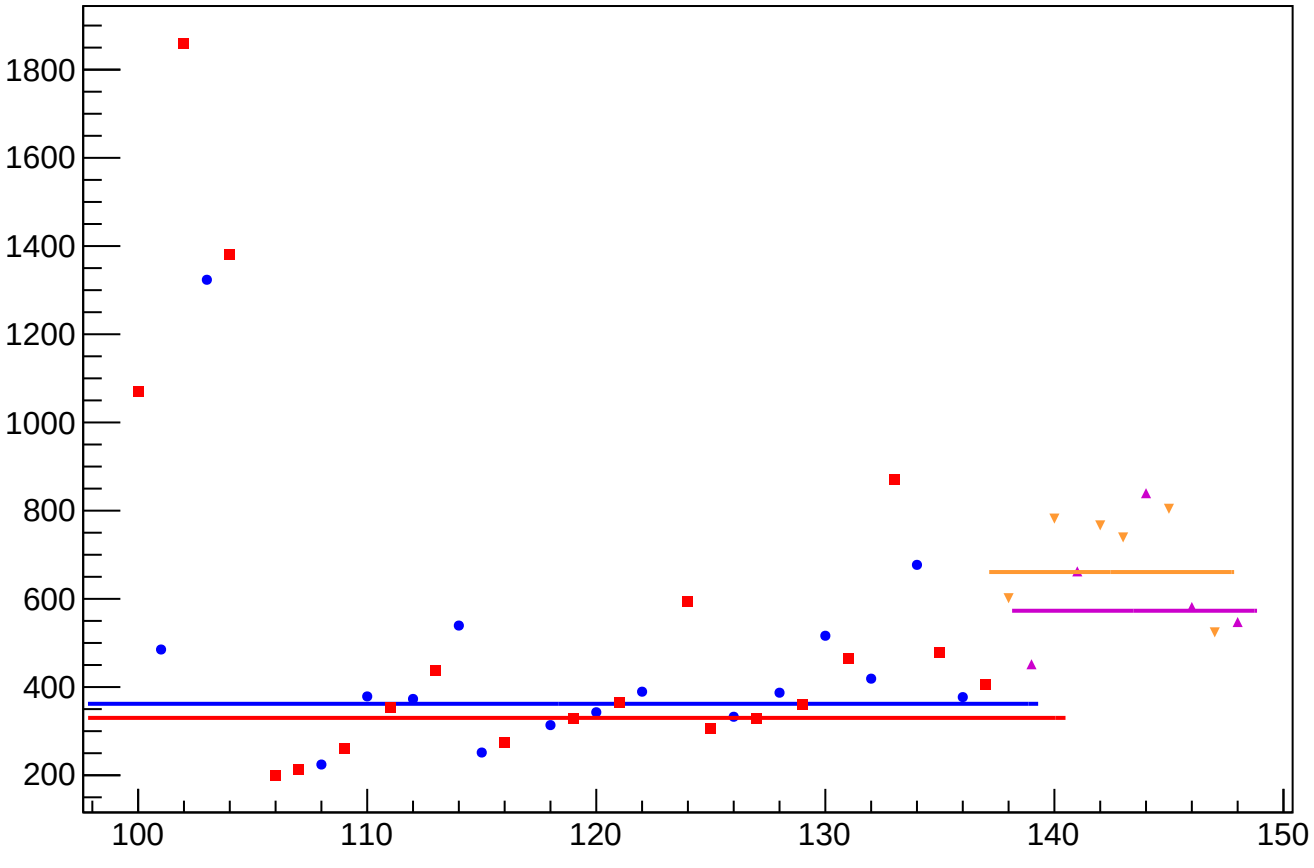
Left: 0.057+/-0.212 χ^2/NDF: 18.9/10

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.147+/-0.129 χ^2/NDF:18.7/20

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.050+/-0.090 χ^2/NDF: 54.6/45



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 660.821+/-0.226 χ^2/NDF:251212.2/5

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

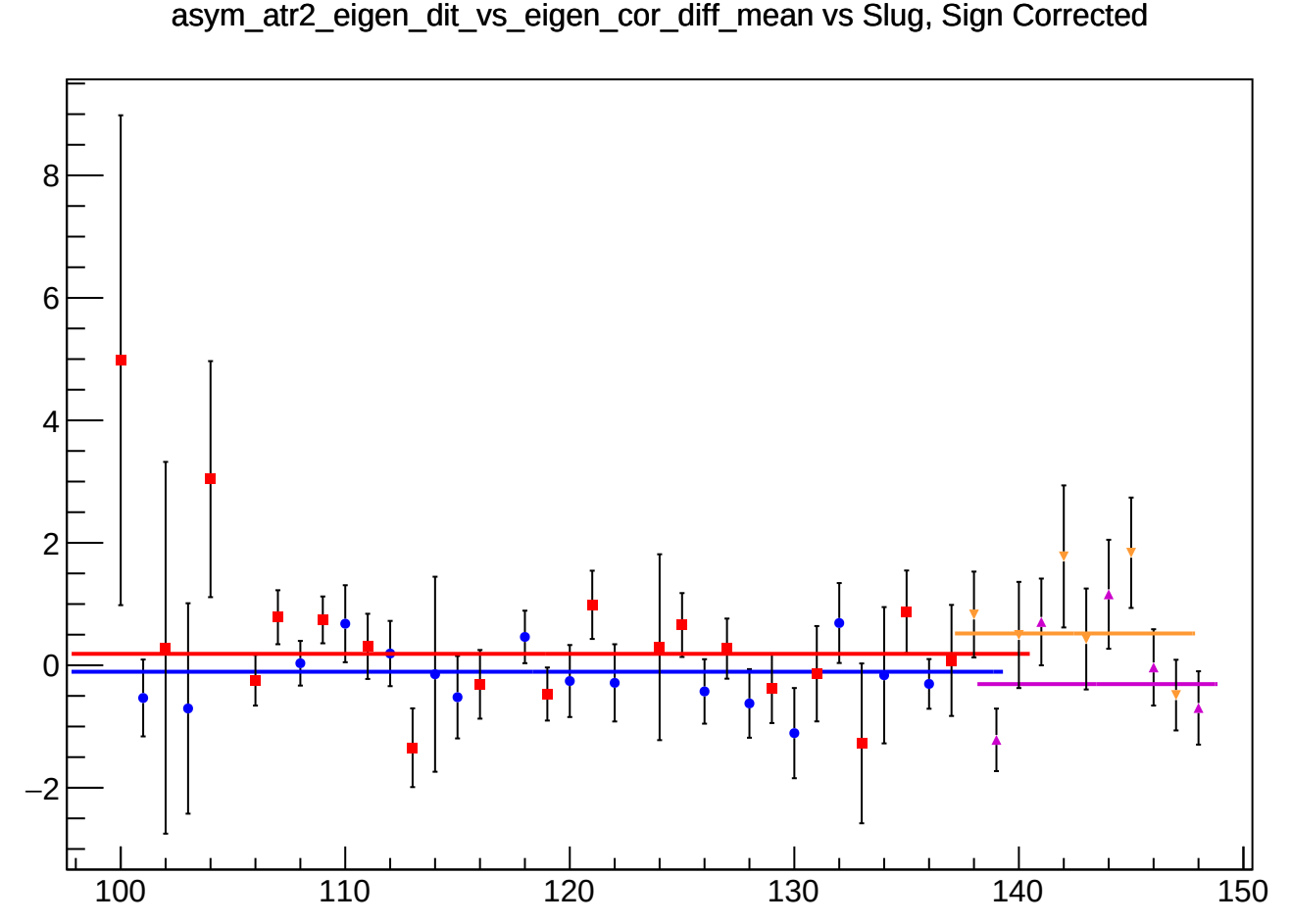
Left: 611.726+/-0.150 χ^2/NDF: 664014.2/10

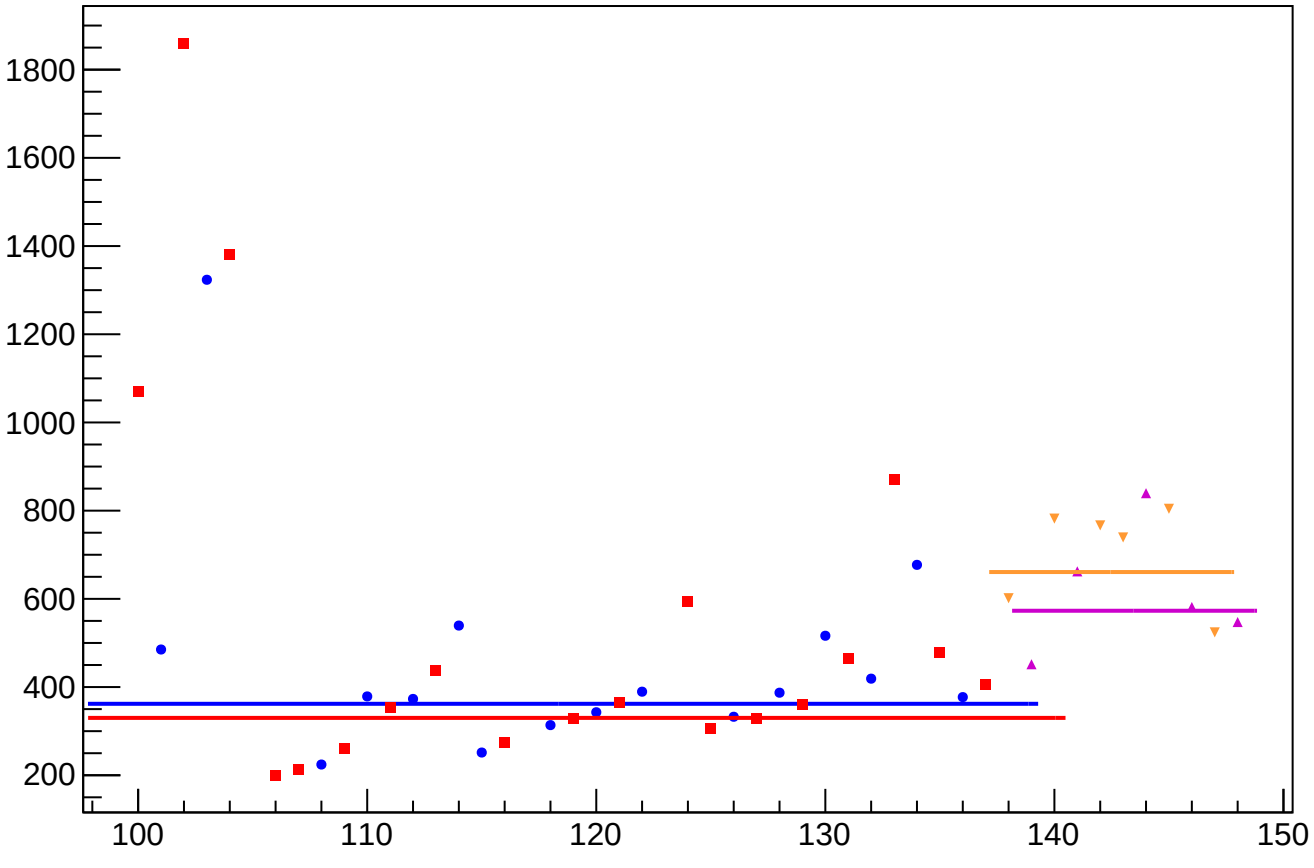
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 405.672+/-0.091 χ^2/NDF:2585229.0/20

Out: 381.799+/-0.089 χ^2/NDF:4309471.4/24

All: 393.488+/-0.064 χ^2/NDF: 6929737.2/45


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.520+/-0.319 χ²/NDF:6.6/5
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.307+/-0.283 χ²/NDF:8.6/4
Left: 0.057+/-0.212 χ²/NDF: 18.9/10
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.147+/-0.129 χ²/NDF:18.7/20
Out: 0.239+/-0.126 χ²/NDF:31.3/24
All: 0.050+/-0.090 χ²/NDF: 54.6/45



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 660.821+/-0.226 χ^2/NDF:251212.2/5

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

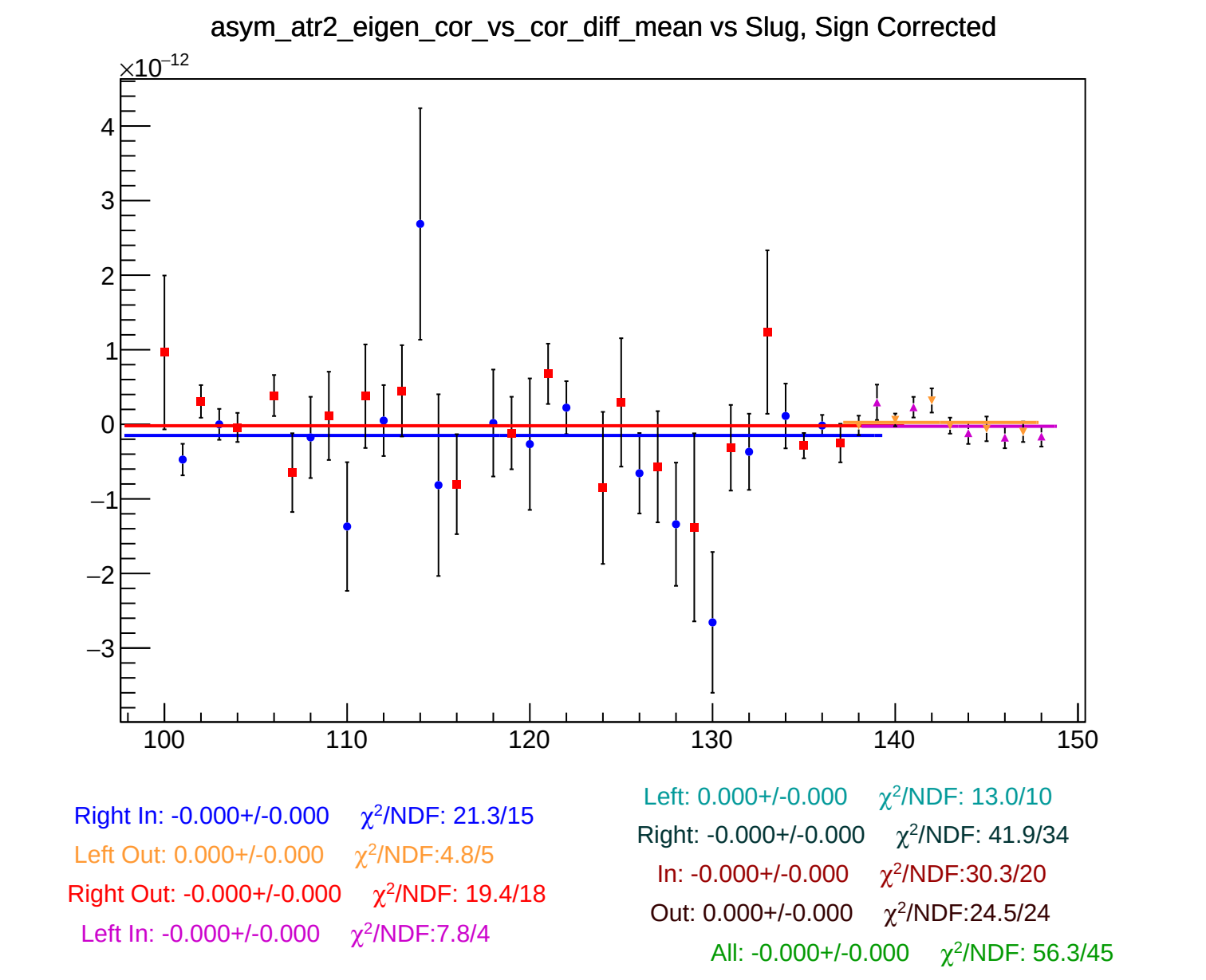
Left: 611.726+/-0.150 χ^2/NDF: 664014.2/10

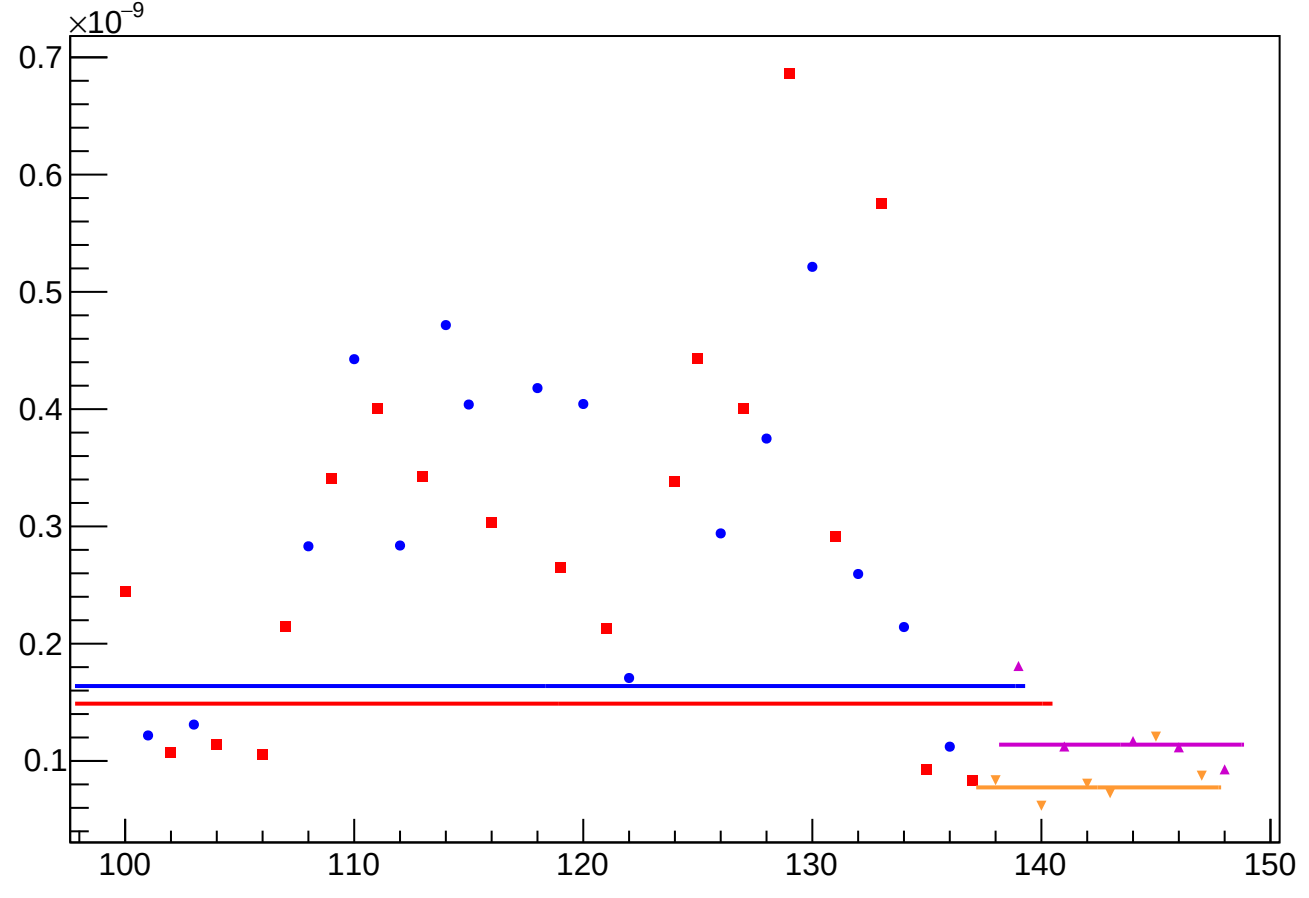
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 405.672+/-0.091 χ^2/NDF:2585229.0/20

Out: 381.799+/-0.089 χ^2/NDF:4309471.4/24

All: 393.488+/-0.064 χ^2/NDF: 6929737.2/45


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:7.8/4
Left: 0.000+/-0.000 χ²/NDF: 13.0/10
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:30.3/20
Out: 0.000+/-0.000 χ²/NDF:24.5/24
All: -0.000+/-0.000 χ²/NDF: 56.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:224486.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:209146.7/4

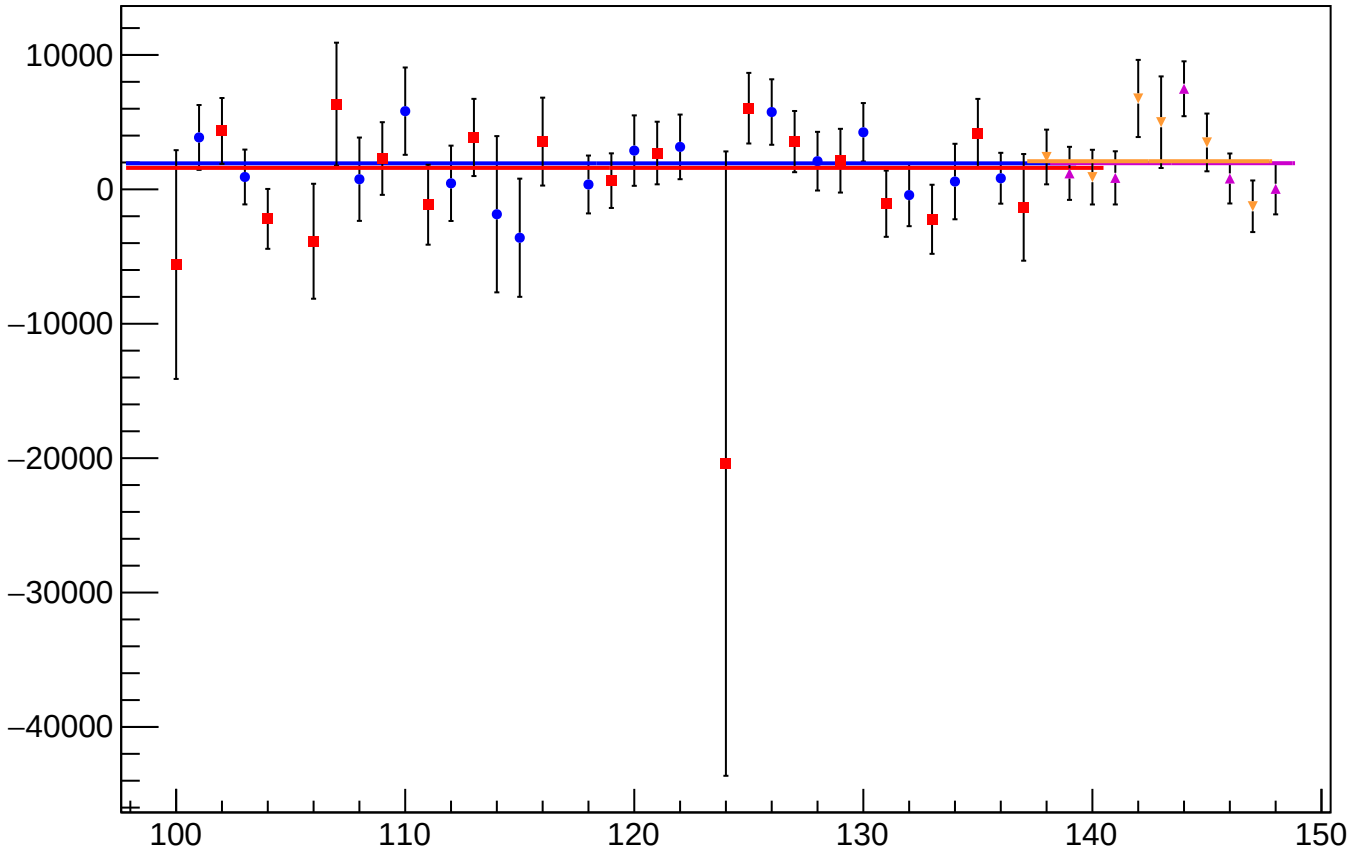
Left: 0.000+/-0.000 χ^2/NDF: 814462.1/10

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2631026.9/20

Out: 0.000+/-0.000 χ^2/NDF:4154939.0/24

All: 0.000+/-0.000 χ^2/NDF: 7364939.7/45



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.823+/-921.225 χ^2/NDF:7.2/5

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 1946.436+/-871.216 χ^2/NDF:9.2/4

Left: 2016.021+/-632.984 χ^2/NDF: 16.4/10

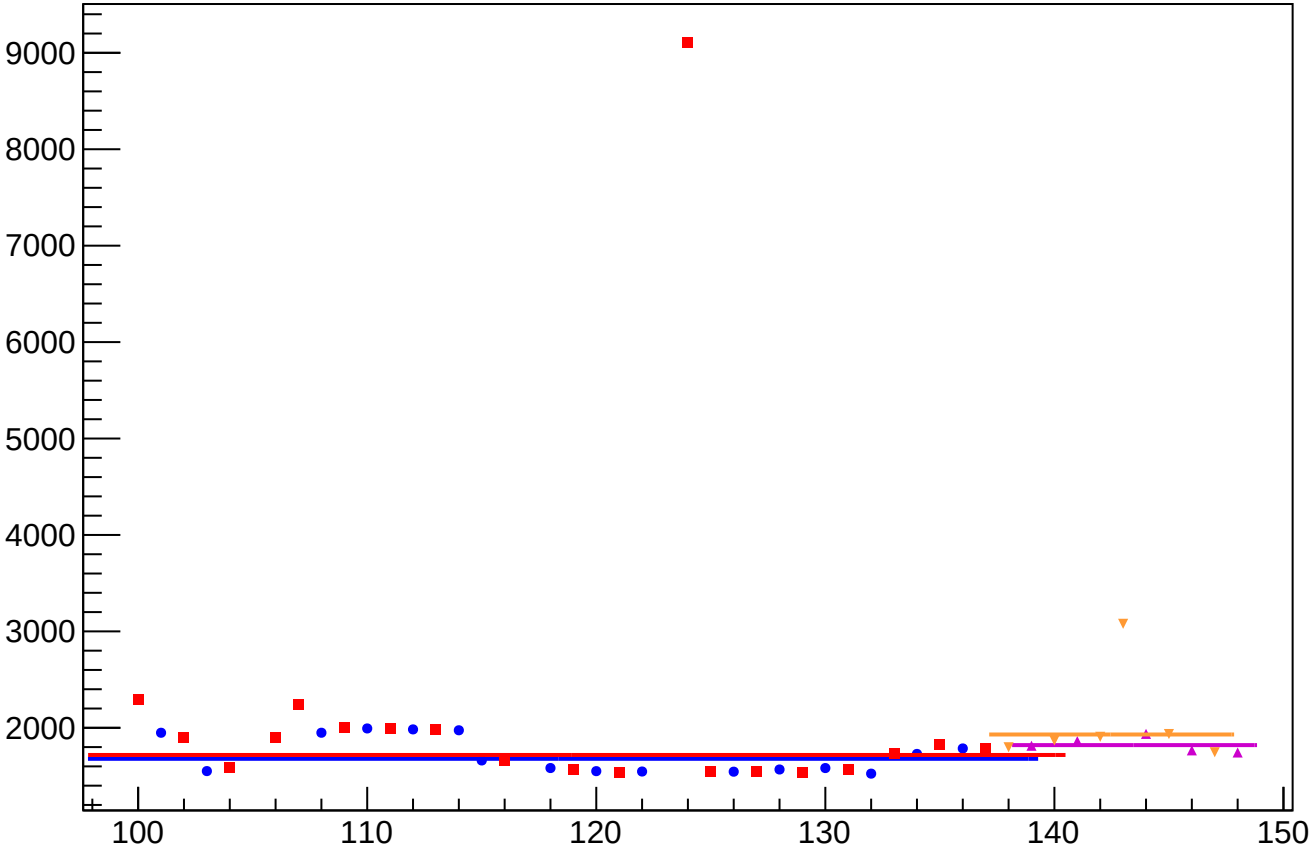
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1938.748+/-509.375 χ^2/NDF:20.1/20

Out: 1760.128+/-526.827 χ^2/NDF:26.8/24

All: 1852.446+/-366.197 χ^2/NDF: 46.9/45

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

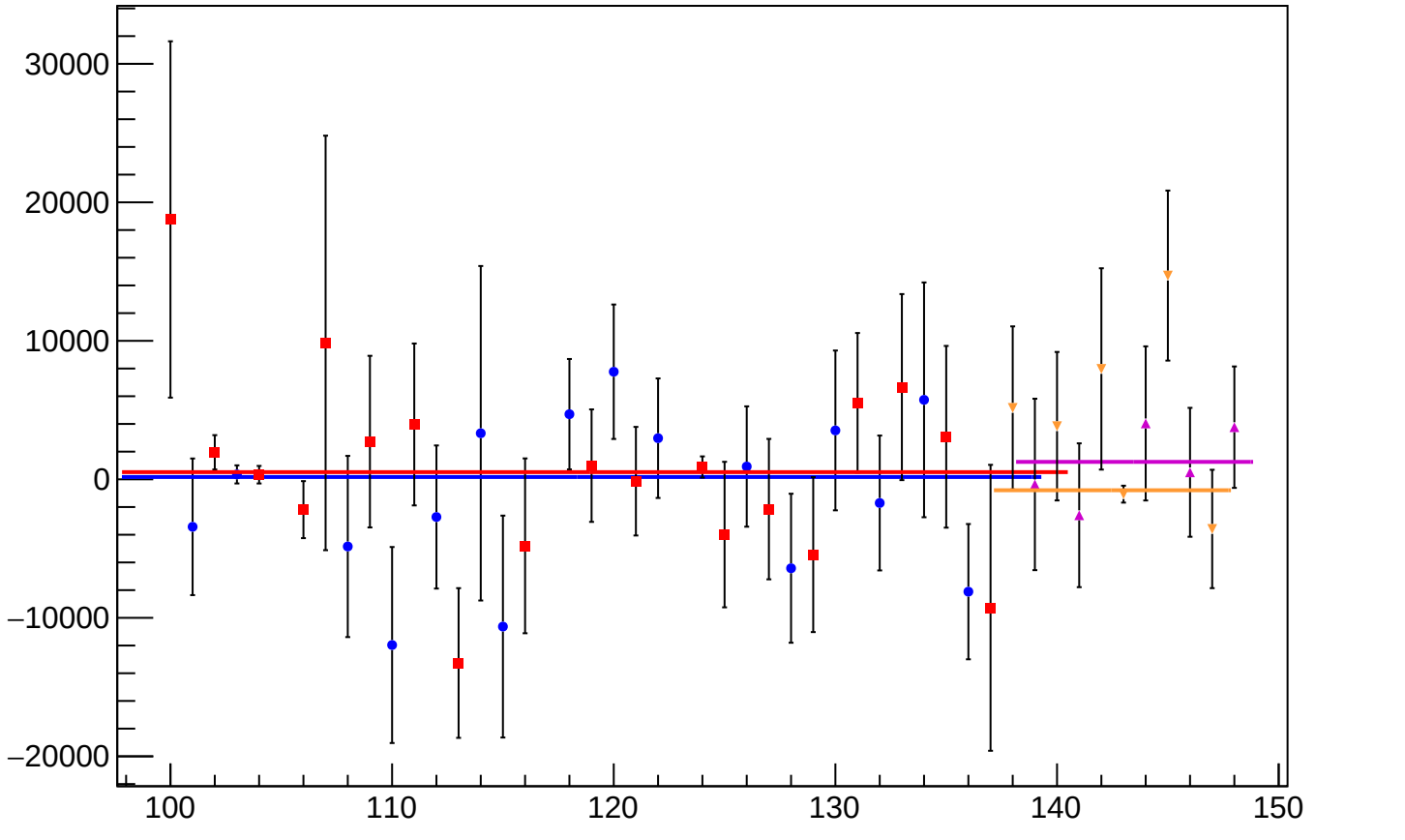
Left: 1872.571+/-0.448 χ^2/NDF: 283282.6/10

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1727.102+/-0.360 χ^2/NDF:188846.3/20

Out: 1787.325+/-0.371 χ^2/NDF:710766.4/24

All: 1756.296+/-0.259 χ^2/NDF: 913164.5/45



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -787.794+/-592.567 χ^2/NDF:10.2/5

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1259.795+/-2271.984 χ^2/NDF:1.2/4

Left: -657.379+/-573.386 χ^2/NDF: 12.2/10

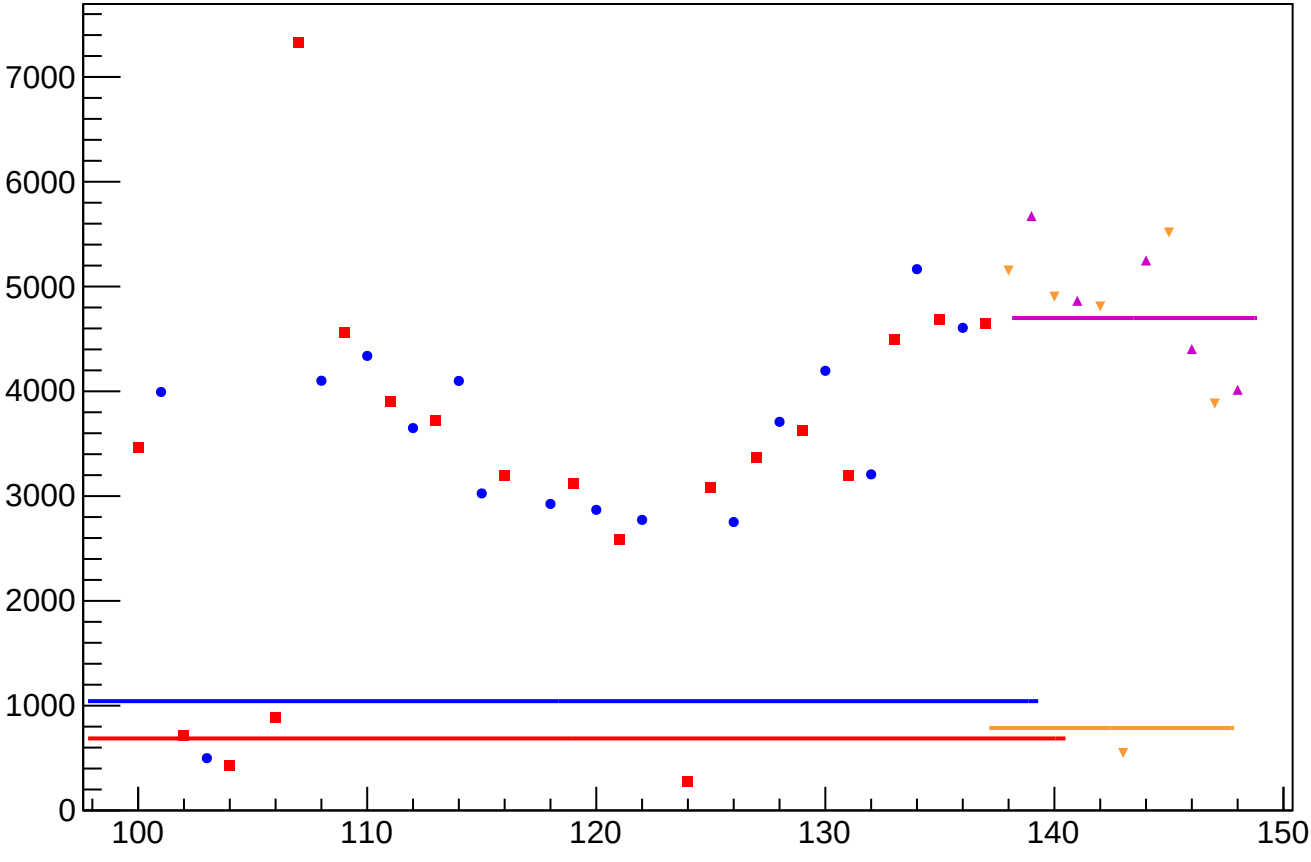
Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 237.592+/-572.516 χ^2/NDF:17.3/20

Out: 76.791+/-345.240 χ^2/NDF:32.0/24

All: 119.671+/-295.646 χ^2/NDF: 49.3/45

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 786.803+/-0.419 χ^2/NDF:5435113.8/5

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4699.439+/-1.607 χ^2/NDF:127901.4/4

Left: 1036.005+/-0.405 χ^2/NDF: 11116648.7/10

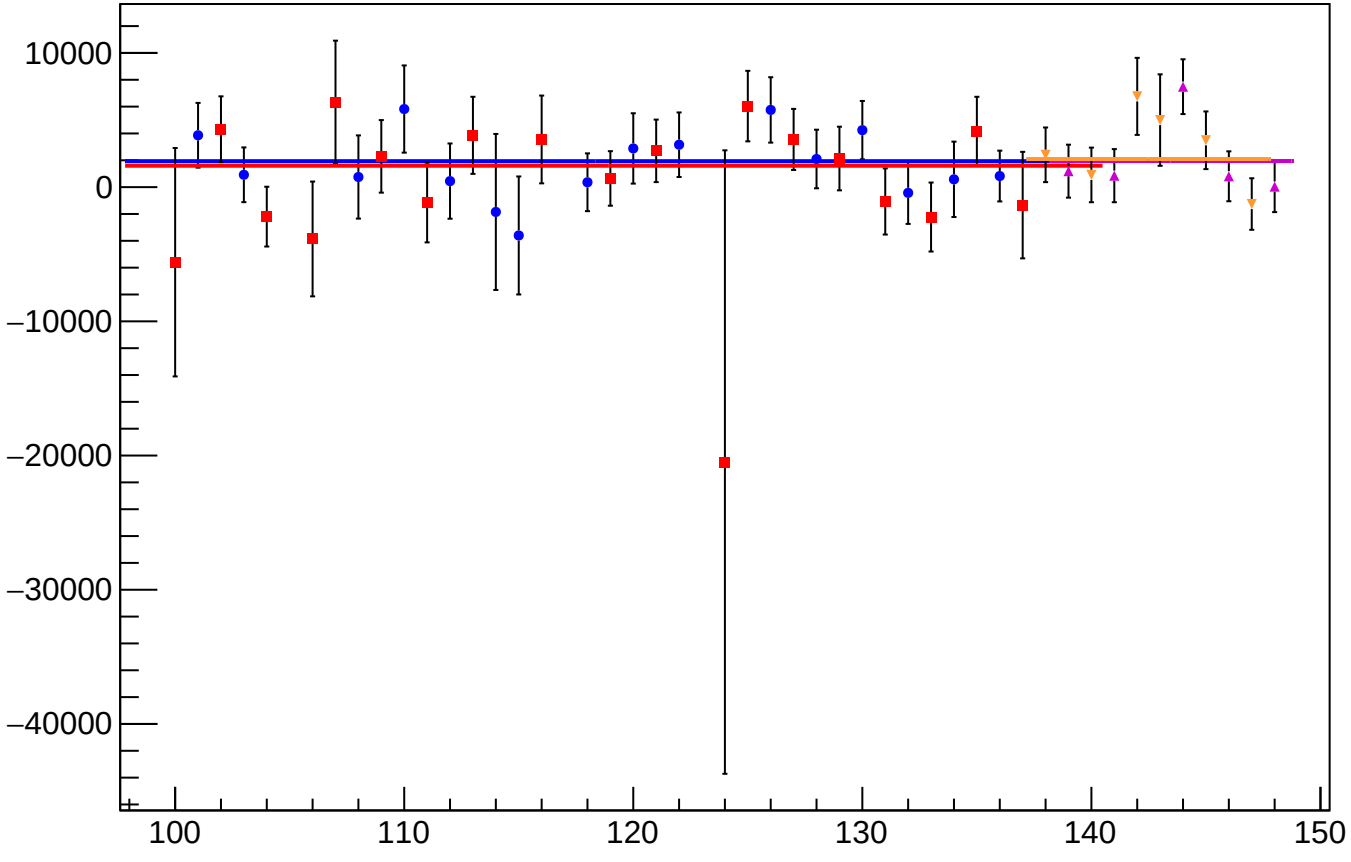
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1275.288+/-0.405 χ^2/NDF:13090636.4/20

Out: 721.095+/-0.244 χ^2/NDF:14103872.2/24

All: 868.880+/-0.209 χ^2/NDF: 28568800.3/45

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.878+/-921.225 χ^2/NDF:7.2/5

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1946.621+/-871.216 χ^2/NDF:9.2/4

Left: 2016.144+/-632.984 χ^2/NDF: 16.4/10

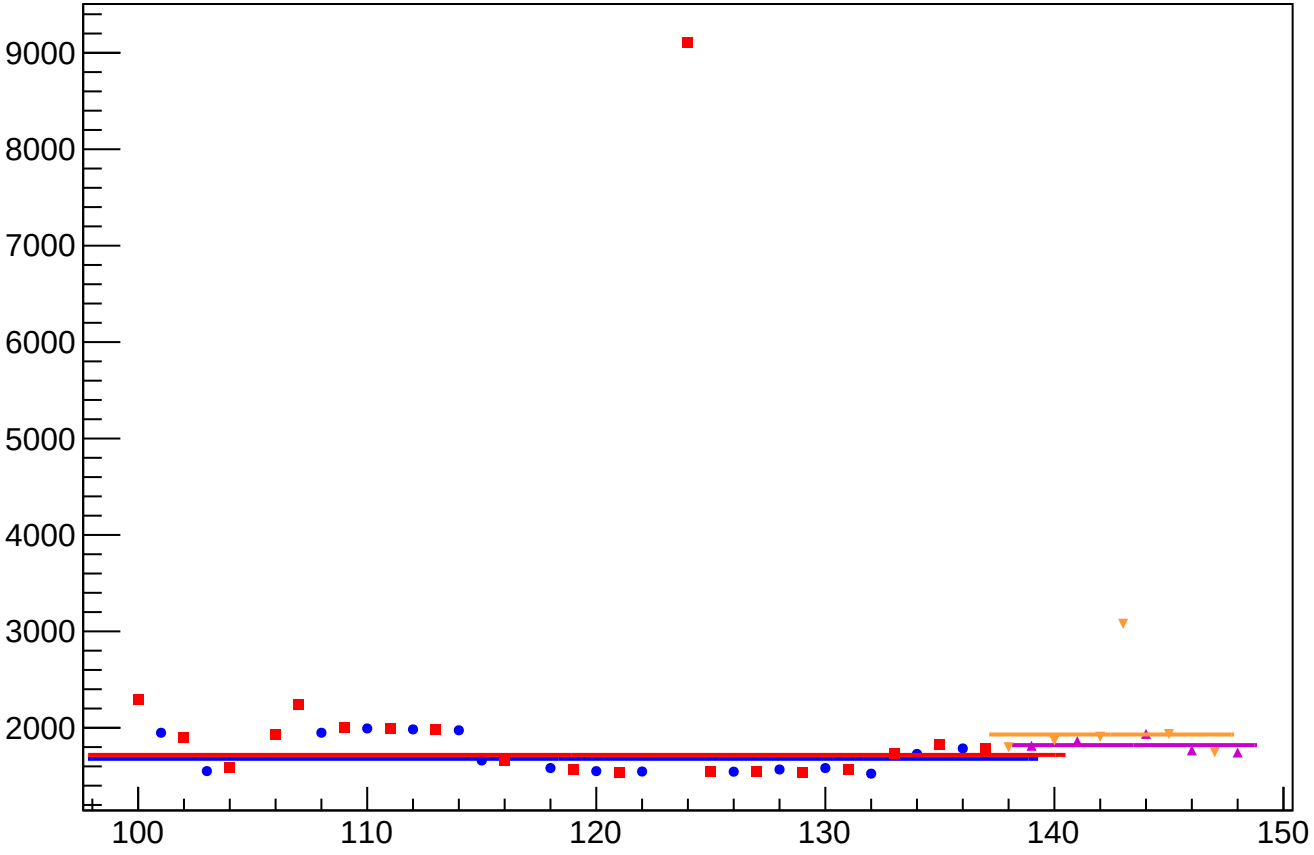
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1938.888+/-509.375 χ^2/NDF:20.1/20

Out: 1758.507+/-526.830 χ^2/NDF:26.8/24

All: 1851.735+/-366.198 χ^2/NDF: 46.9/45

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

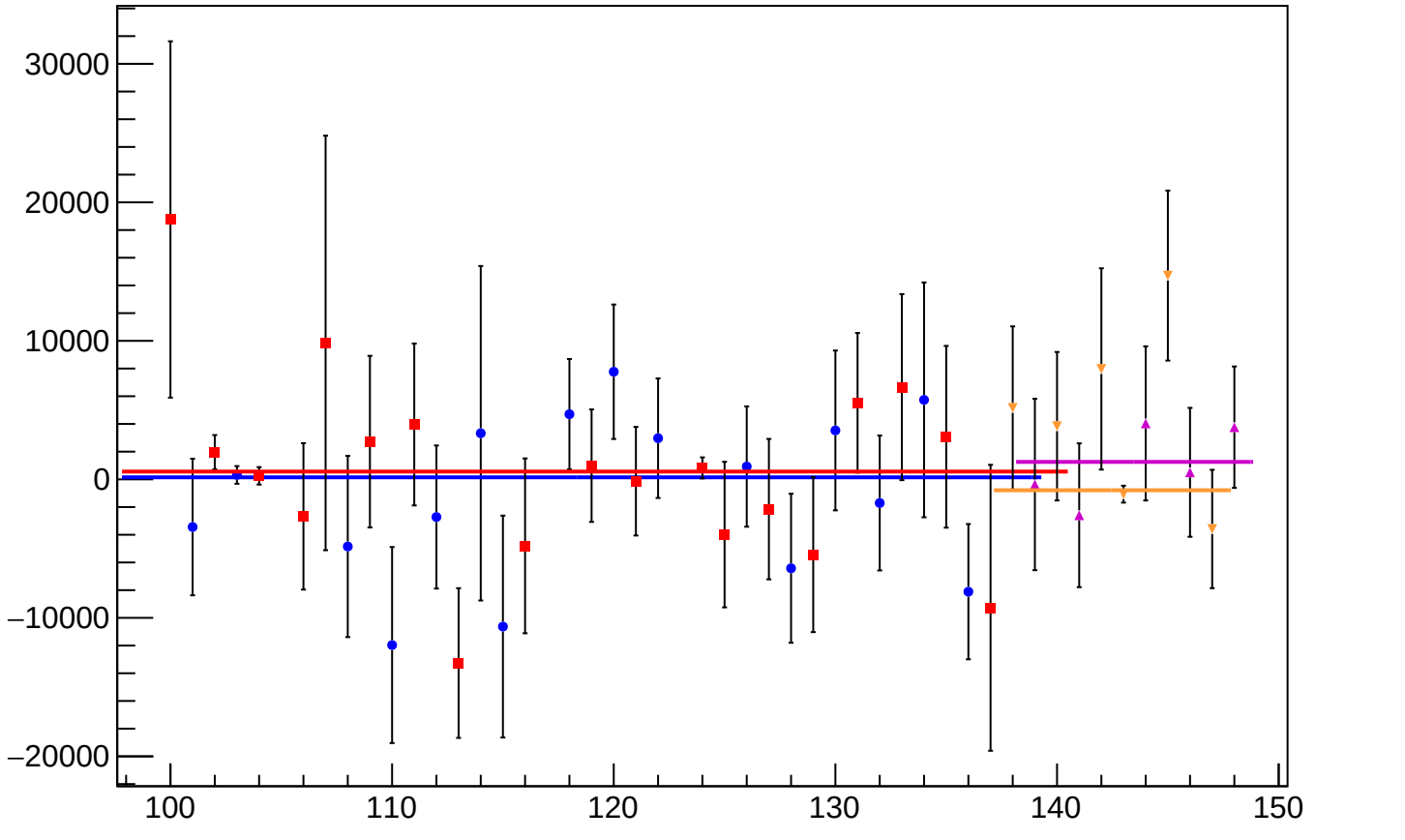
Left: 1872.571+/-0.448 χ^2/NDF: 283282.6/10

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1727.102+/-0.360 χ^2/NDF:188846.4/20

Out: 1787.934+/-0.371 χ^2/NDF:711924.1/24

All: 1756.581+/-0.259 χ^2/NDF: 914593.0/45



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -787.423+/-592.544 χ^2/NDF:10.2/5

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1259.889+/-2271.979 χ^2/NDF:1.2/4

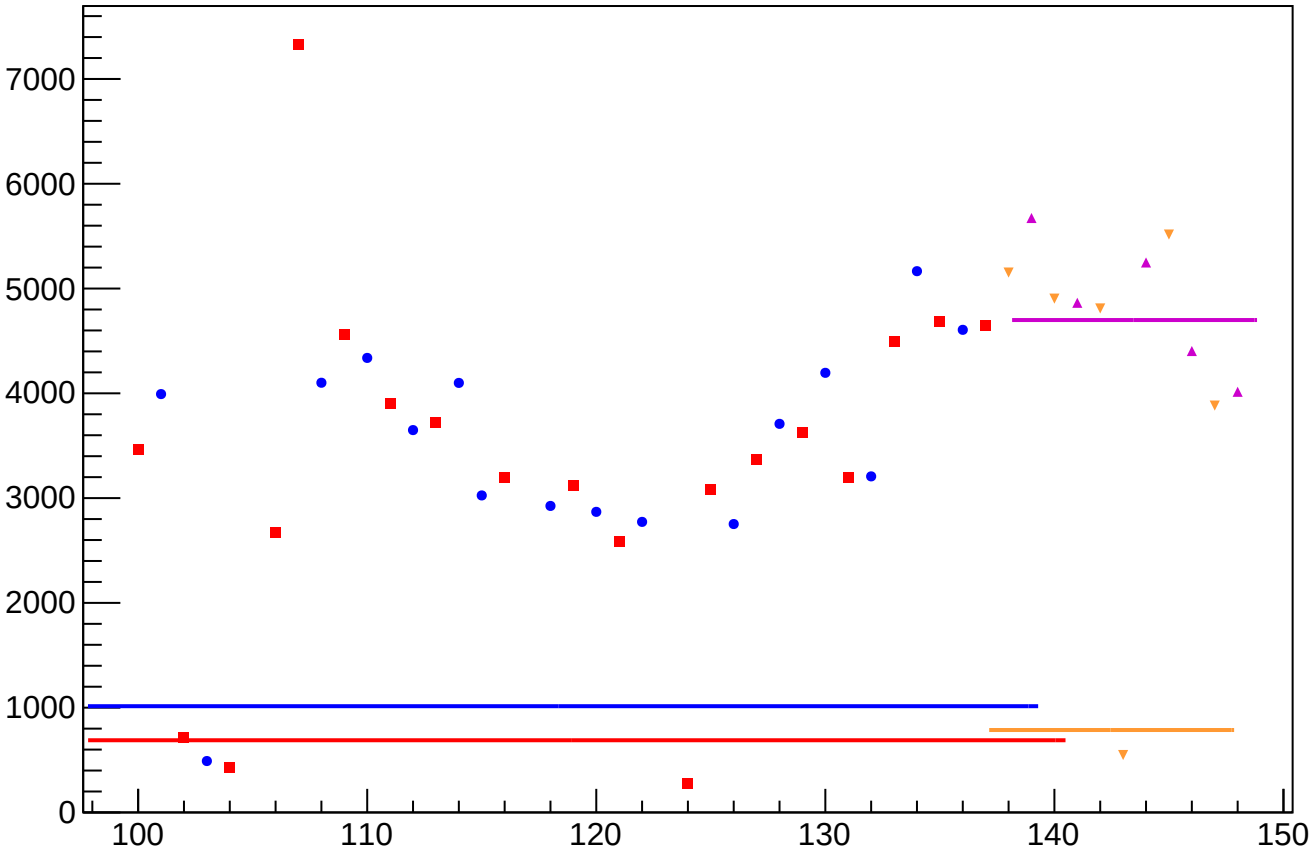
Left: -657.035+/-573.365 χ^2/NDF: 12.2/10

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 214.523+/-561.391 χ^2/NDF:17.3/20

Out: 95.269+/-348.348 χ^2/NDF:30.8/24

All: 128.421+/-295.995 χ^2/NDF: 48.1/45



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 786.764+/-0.419 χ^2/NDF:5435199.0/5

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

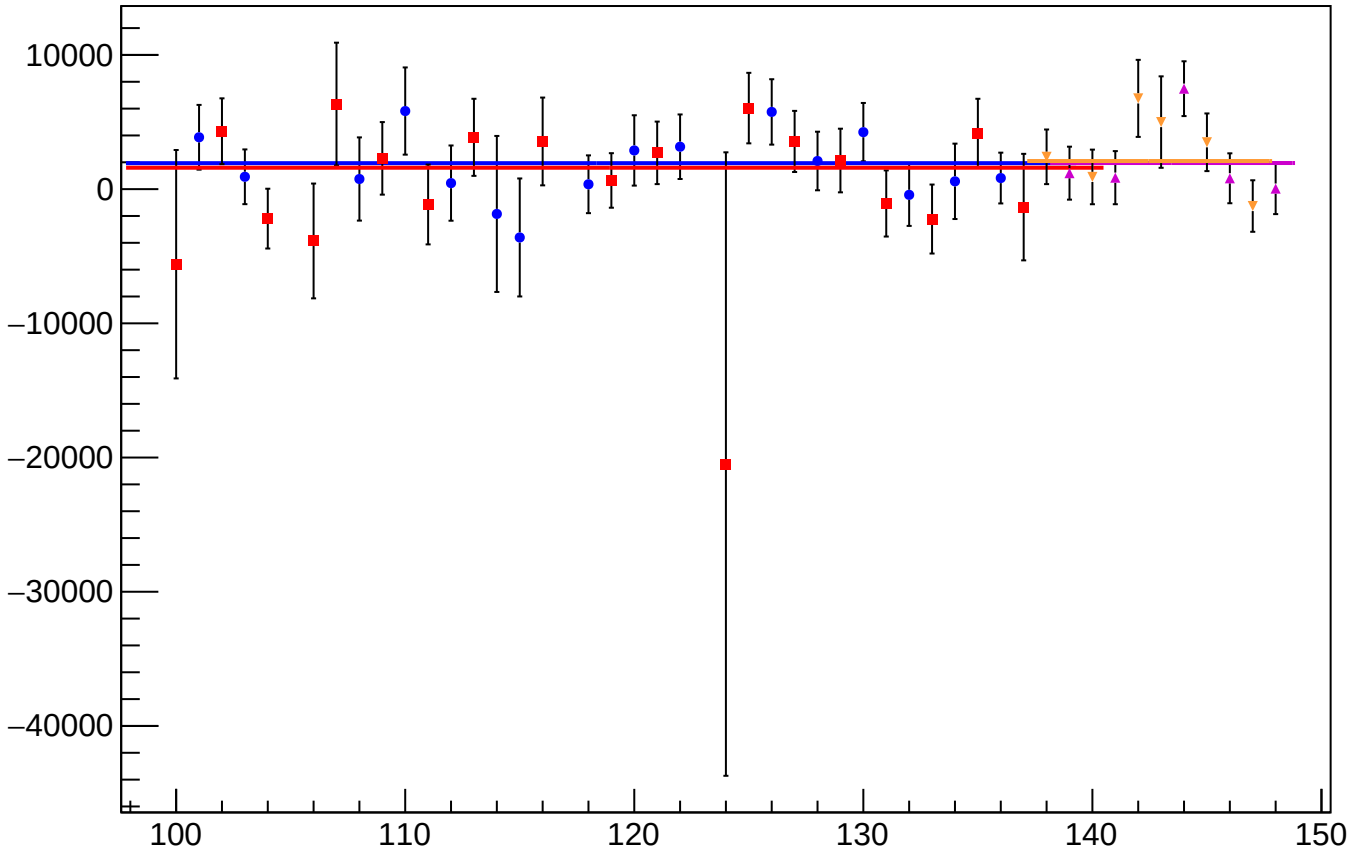
Left: 1035.951+/-0.405 χ^2/NDF: 11116866.0/10

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1239.103+/-0.397 χ^2/NDF:13291922.1/20

Out: 722.824+/-0.246 χ^2/NDF:14381150.8/24

All: 866.347+/-0.209 χ^2/NDF: 28894334.1/45



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.878+/-921.225 χ^2/NDF:7.2/5

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1946.621+/-871.216 χ^2/NDF:9.2/4

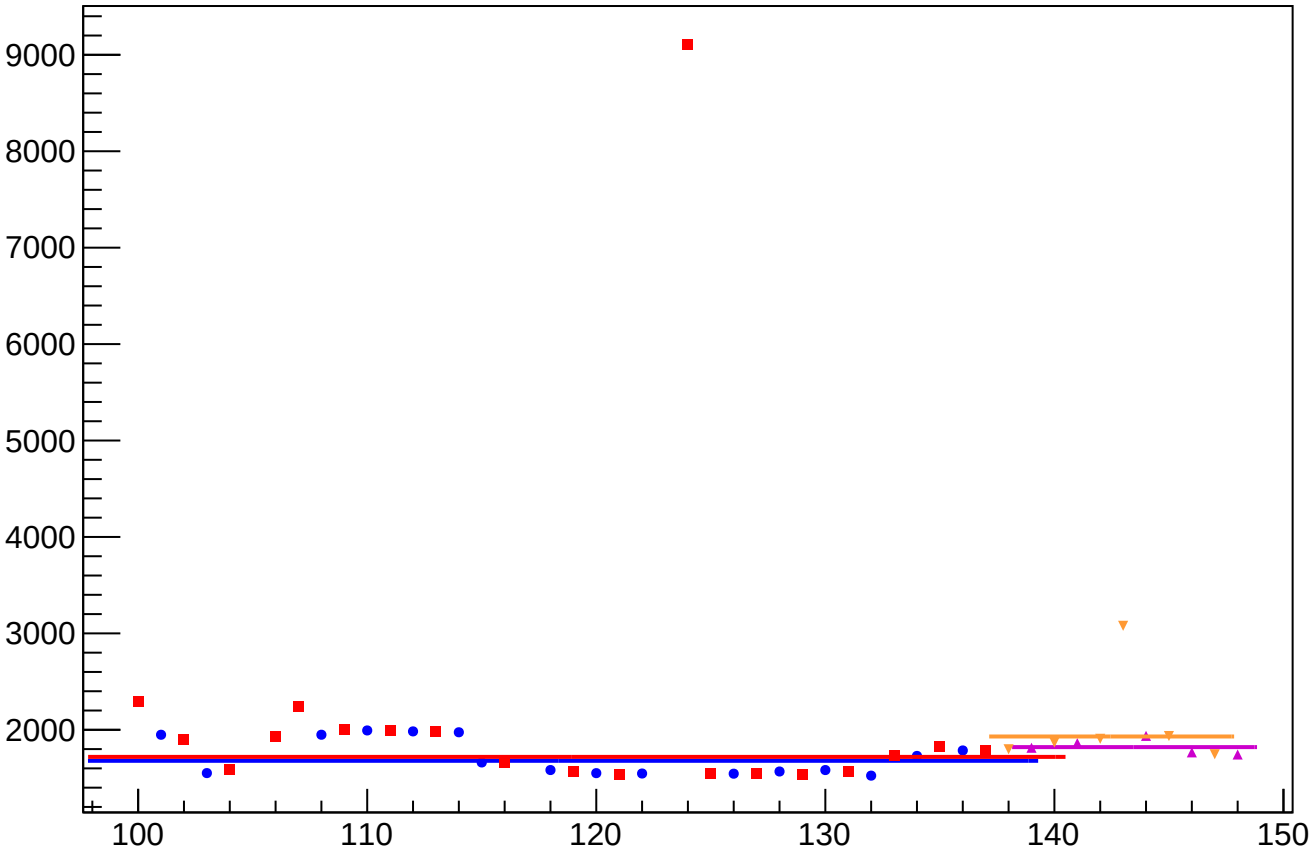
Left: 2016.144+/-632.984 χ^2/NDF: 16.4/10

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1938.888+/-509.375 χ^2/NDF:20.1/20

Out: 1758.507+/-526.830 χ^2/NDF:26.8/24

All: 1851.735+/-366.198 χ^2/NDF: 46.9/45



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

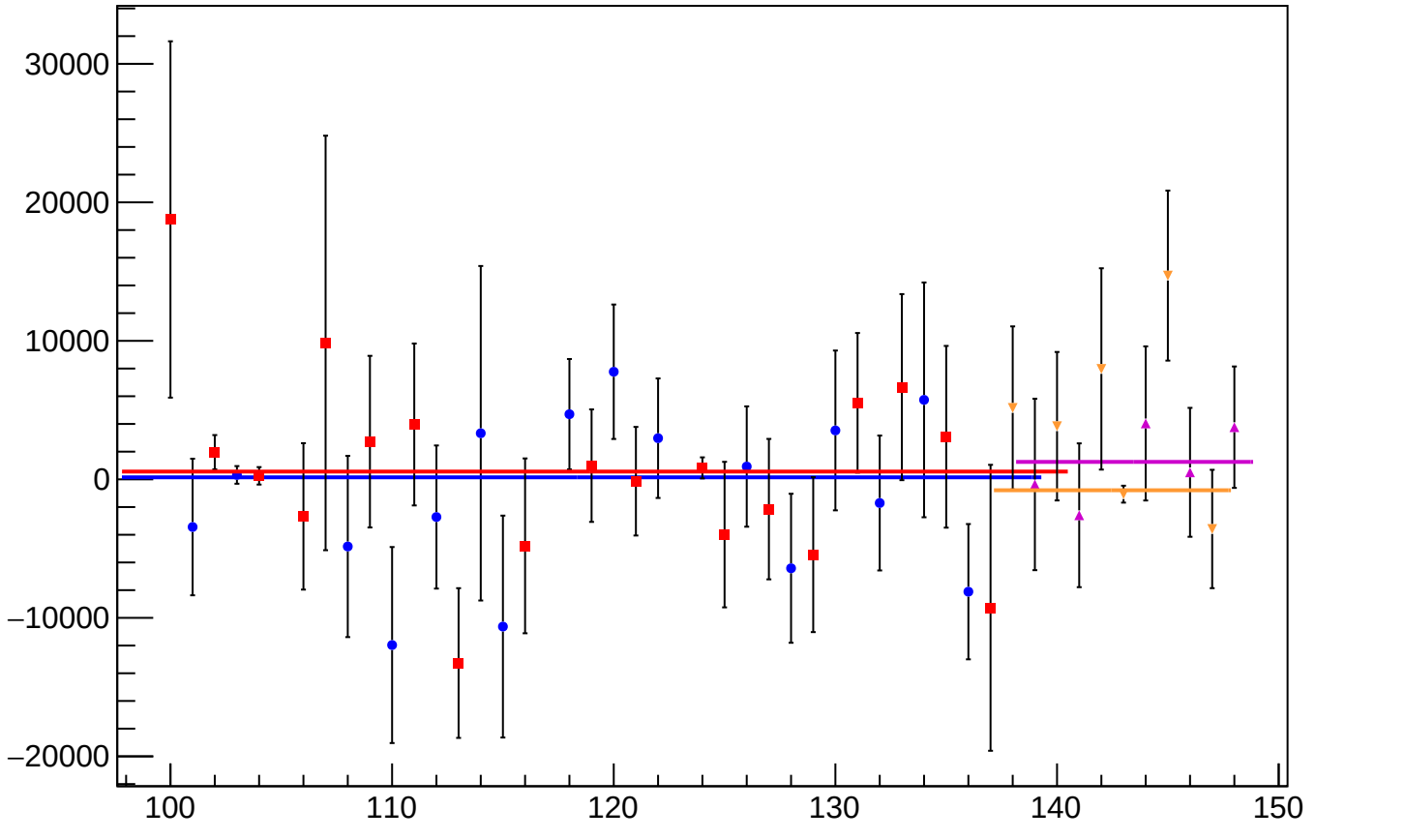
Left: 1872.571+/-0.448 χ^2/NDF: 283282.6/10

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1727.102+/-0.360 χ^2/NDF:188846.4/20

Out: 1787.934+/-0.371 χ^2/NDF:711924.1/24

All: 1756.581+/-0.259 χ^2/NDF: 914593.0/45



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -787.423+/-592.544 χ^2/NDF:10.2/5

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1259.889+/-2271.979 χ^2/NDF:1.2/4

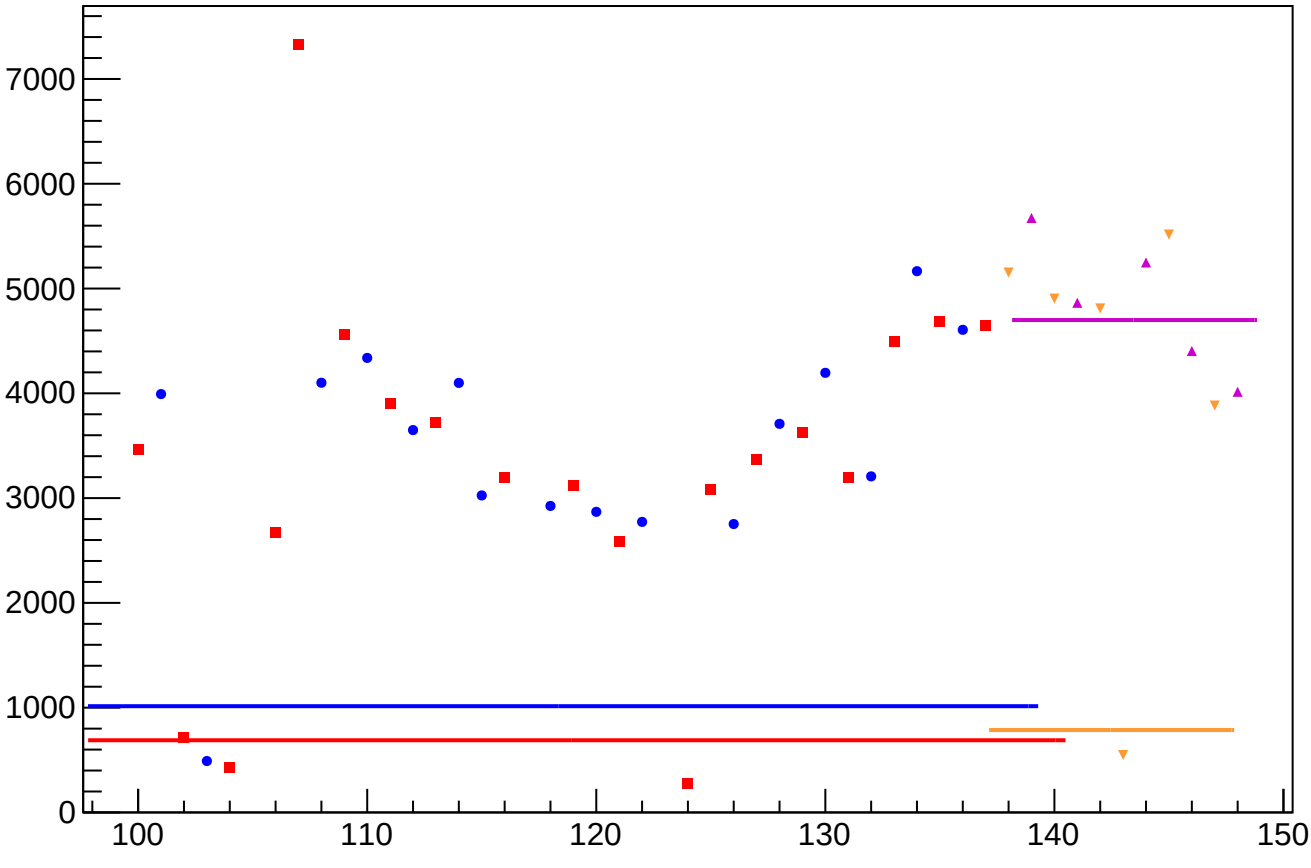
Left: -657.035+/-573.365 χ^2/NDF: 12.2/10

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 214.523+/-561.391 χ^2/NDF:17.3/20

Out: 95.269+/-348.348 χ^2/NDF:30.8/24

All: 128.421+/-295.995 χ^2/NDF: 48.1/45



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 786.764+/-0.419 χ^2/NDF:5435199.0/5

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

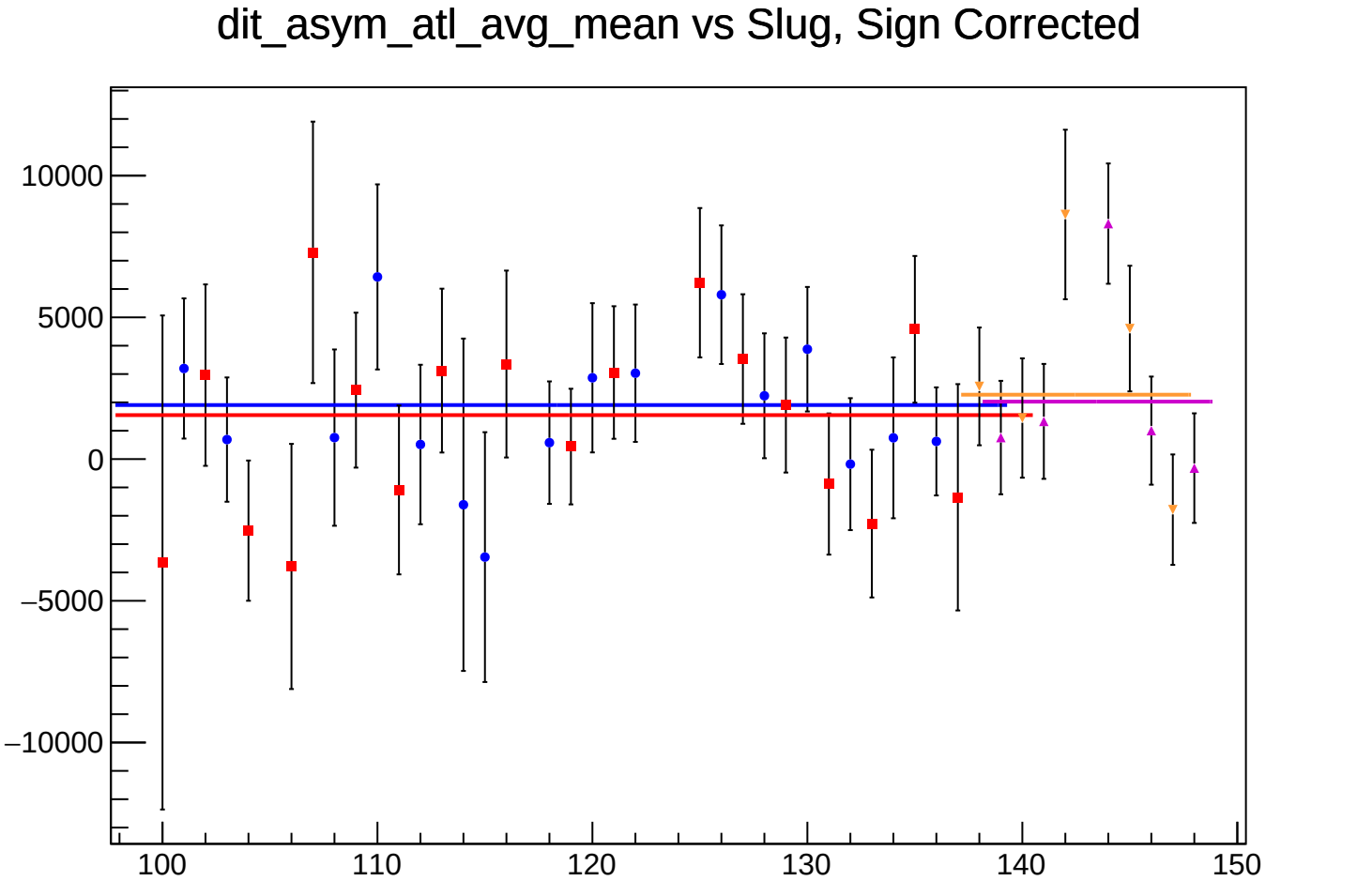
Left: 1035.951+/-0.405 χ^2/NDF: 11116866.0/10

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1239.103+/-0.397 χ^2/NDF:13291922.1/20

Out: 722.824+/-0.246 χ^2/NDF:14381150.8/24

All: 866.347+/-0.209 χ^2/NDF: 28894334.1/45



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2271.383+/-982.431 χ^2/NDF:10.1/4

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2026.811+/-891.765 χ^2/NDF:11.0/4

Left: 2137.293+/-660.305 χ^2/NDF: 21.2/9

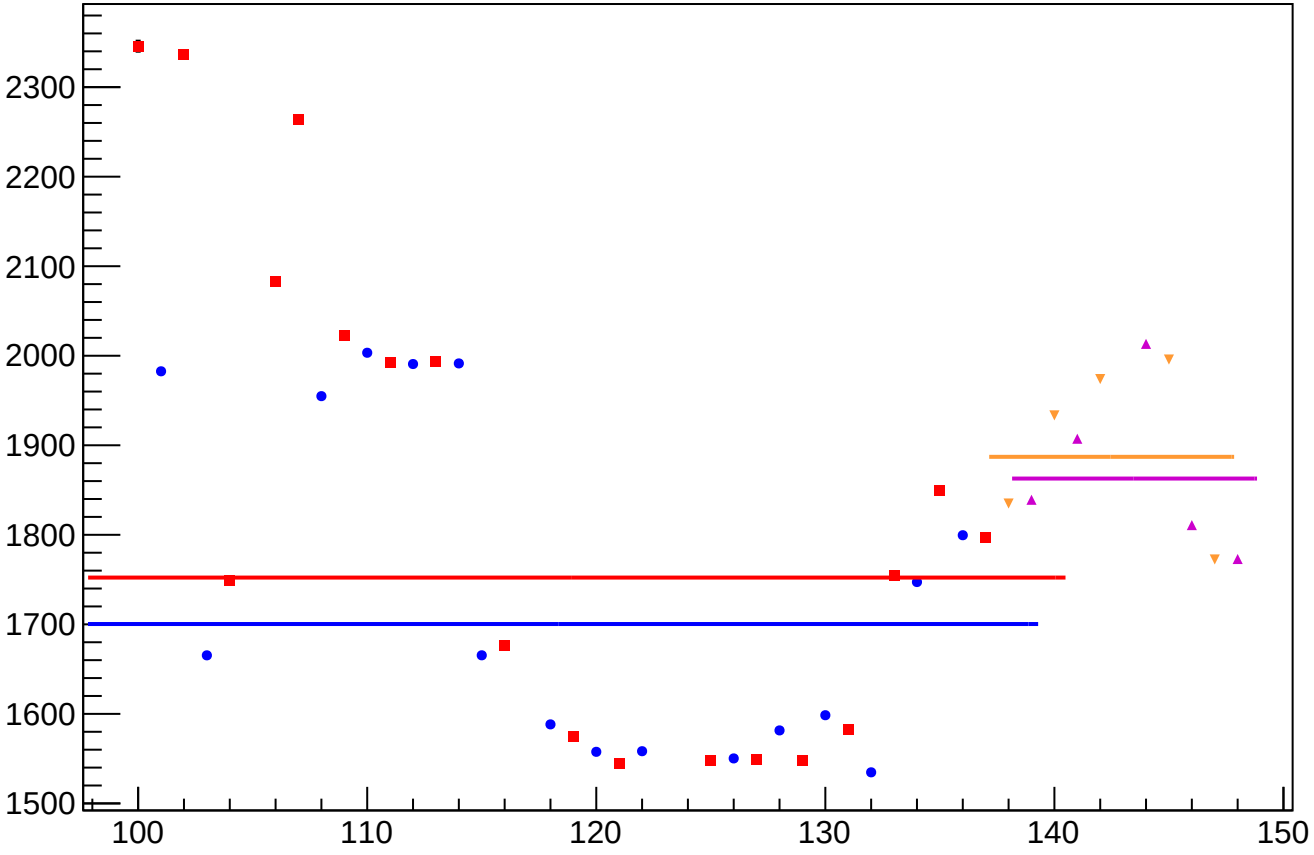
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1946.904+/-518.036 χ^2/NDF:21.3/20

Out: 1775.502+/-548.453 χ^2/NDF:28.0/22

All: 1866.088+/-376.601 χ^2/NDF: 49.3/43

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1887.102+/-0.695 χ^2/NDF:15645.6/4

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1862.832+/-0.631 χ^2/NDF:17102.6/4

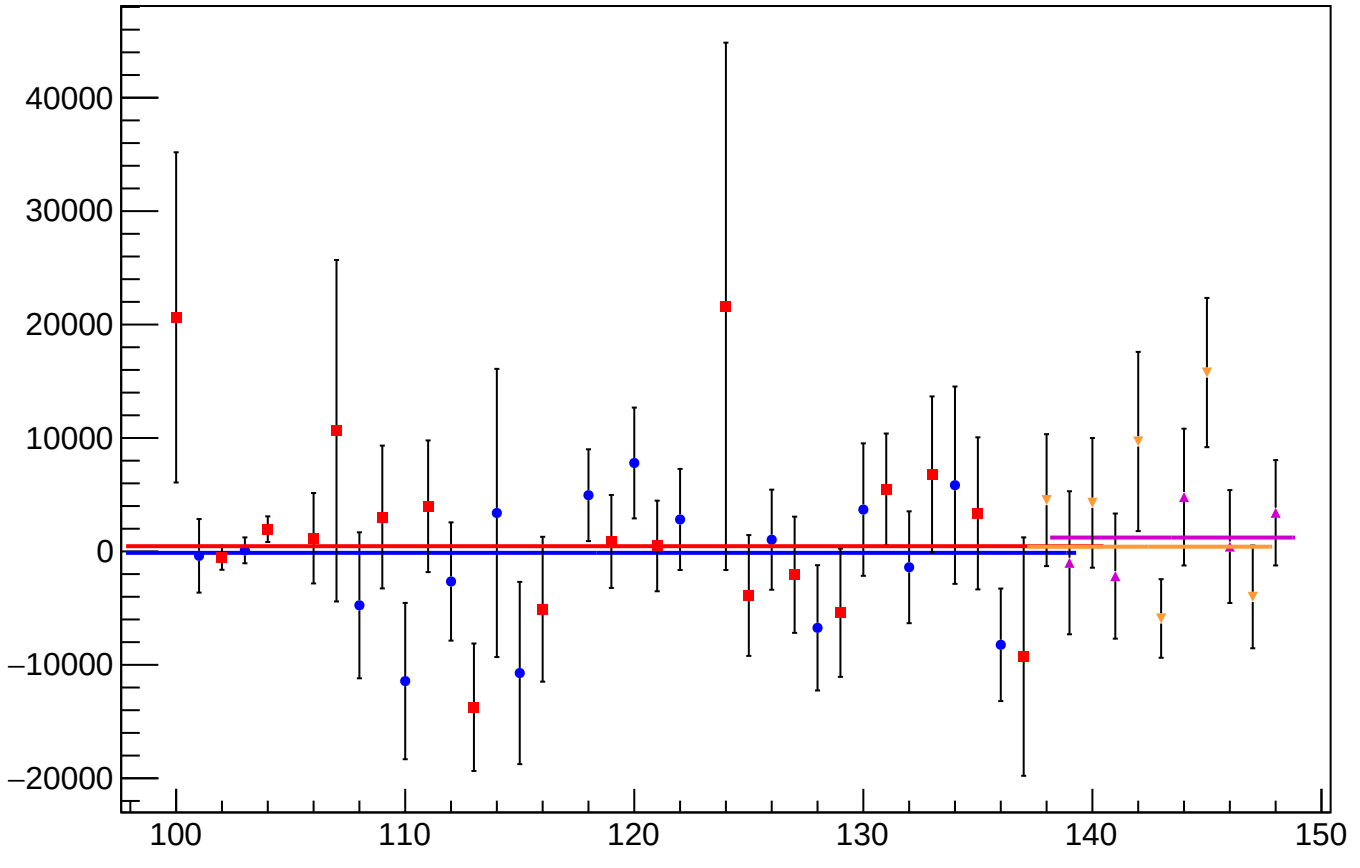
Left: 1873.796+/-0.467 χ^2/NDF: 33417.5/9

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1755.185+/-0.366 χ^2/NDF:196507.9/20

Out: 1794.138+/-0.387 χ^2/NDF:289578.4/22

All: 1773.582+/-0.266 χ^2/NDF: 491426.8/43



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 416.552+/-2079.200 χ^2/NDF:12.1/5

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1220.773+/-2409.255 χ^2/NDF:1.1/4

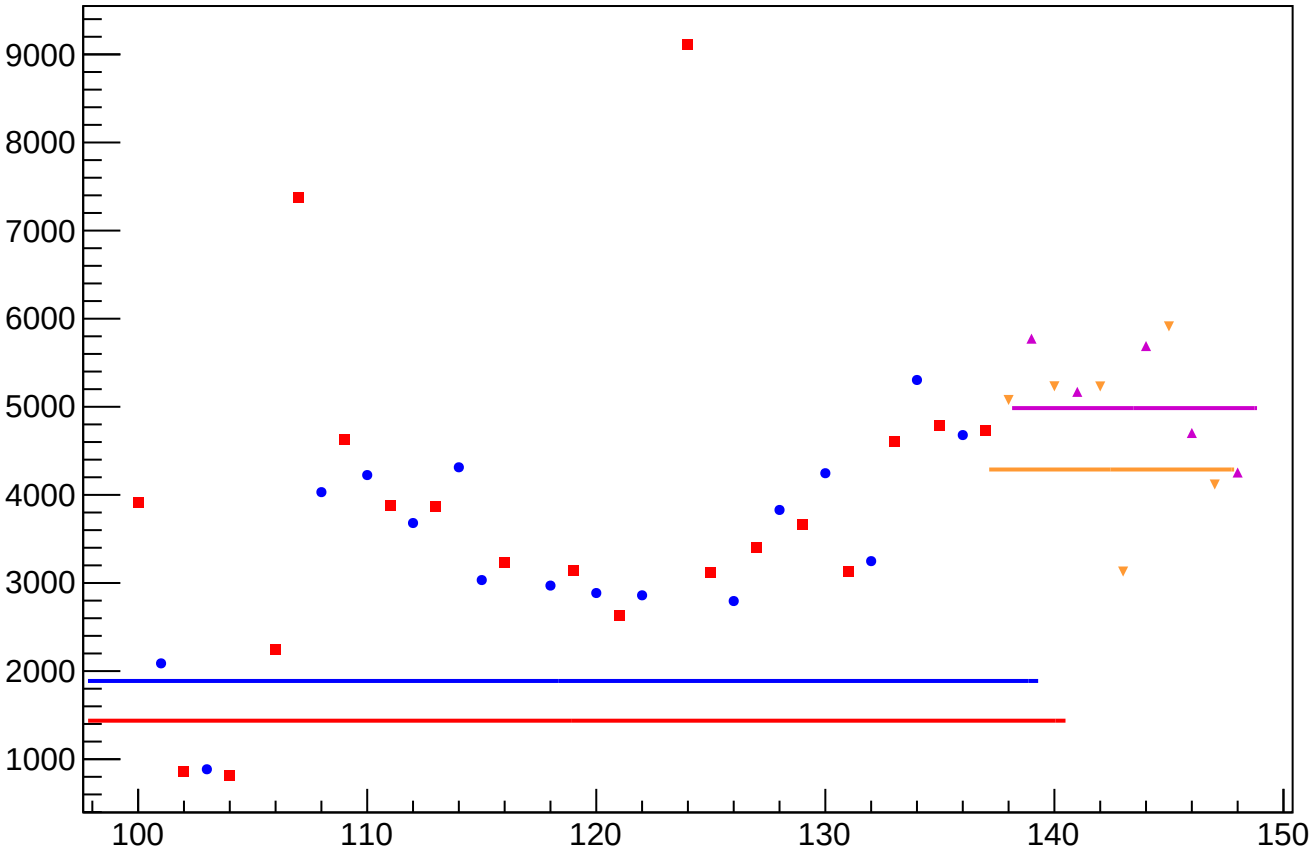
Left: 759.843+/-1574.078 χ^2/NDF: 13.2/10

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 29.086+/-816.323 χ^2/NDF:16.5/20

Out: 455.297+/-645.589 χ^2/NDF:30.6/24

All: 291.298+/-506.372 χ^2/NDF: 47.2/45



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4288.160+/-1.470 χ^2/NDF:468181.7/5

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 4985.111+/-1.704 χ^2/NDF:116803.5/4

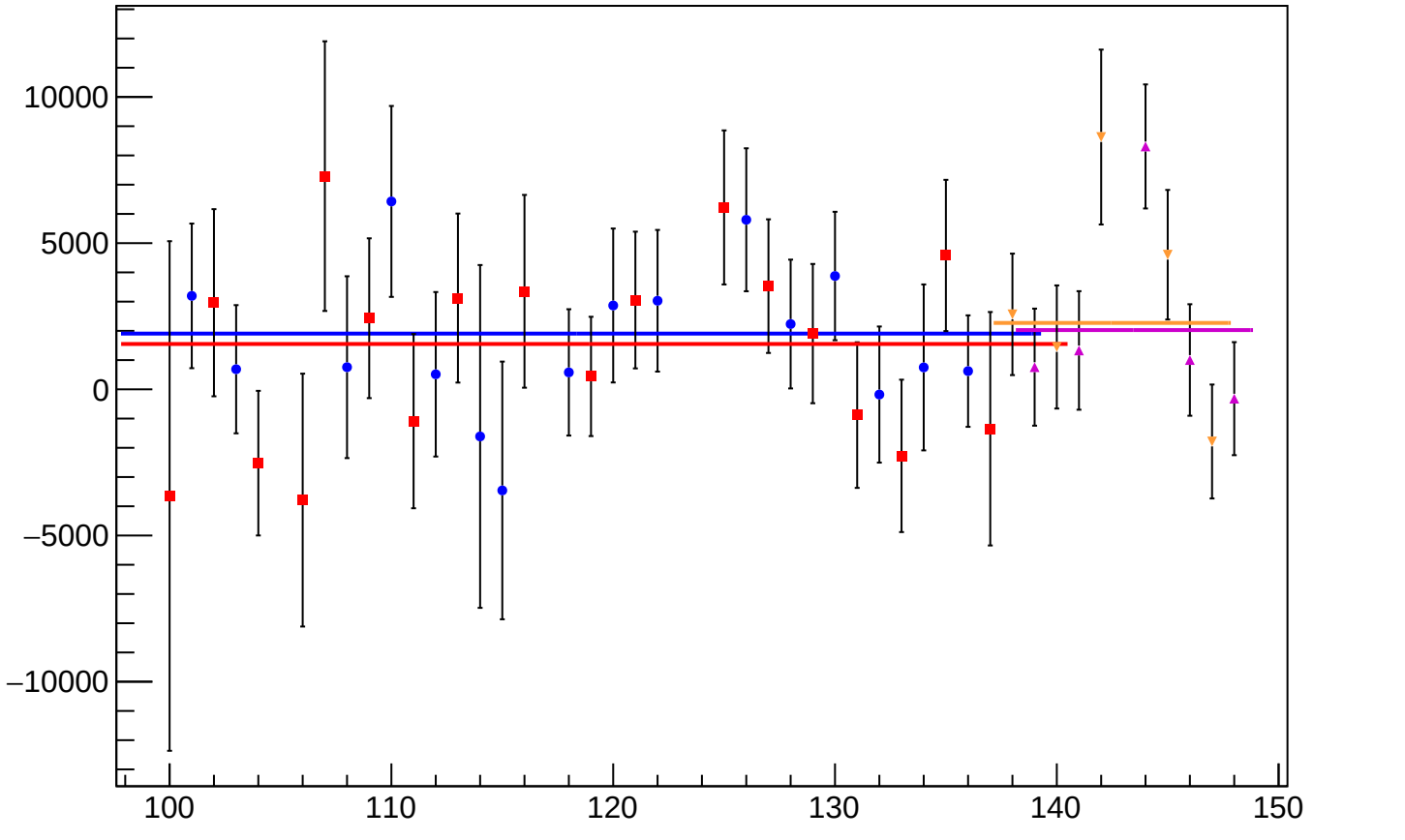
Left: 4585.662+/-1.113 χ^2/NDF: 680909.3/10

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2243.560+/-0.577 χ^2/NDF:7468112.6/20

Out: 1711.976+/-0.457 χ^2/NDF:9830345.8/24

All: 1916.521+/-0.358 χ^2/NDF: 17820227.5/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2271.397+/-982.431 χ^2/NDF:10.1/4

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2026.811+/-891.765 χ^2/NDF:11.0/4

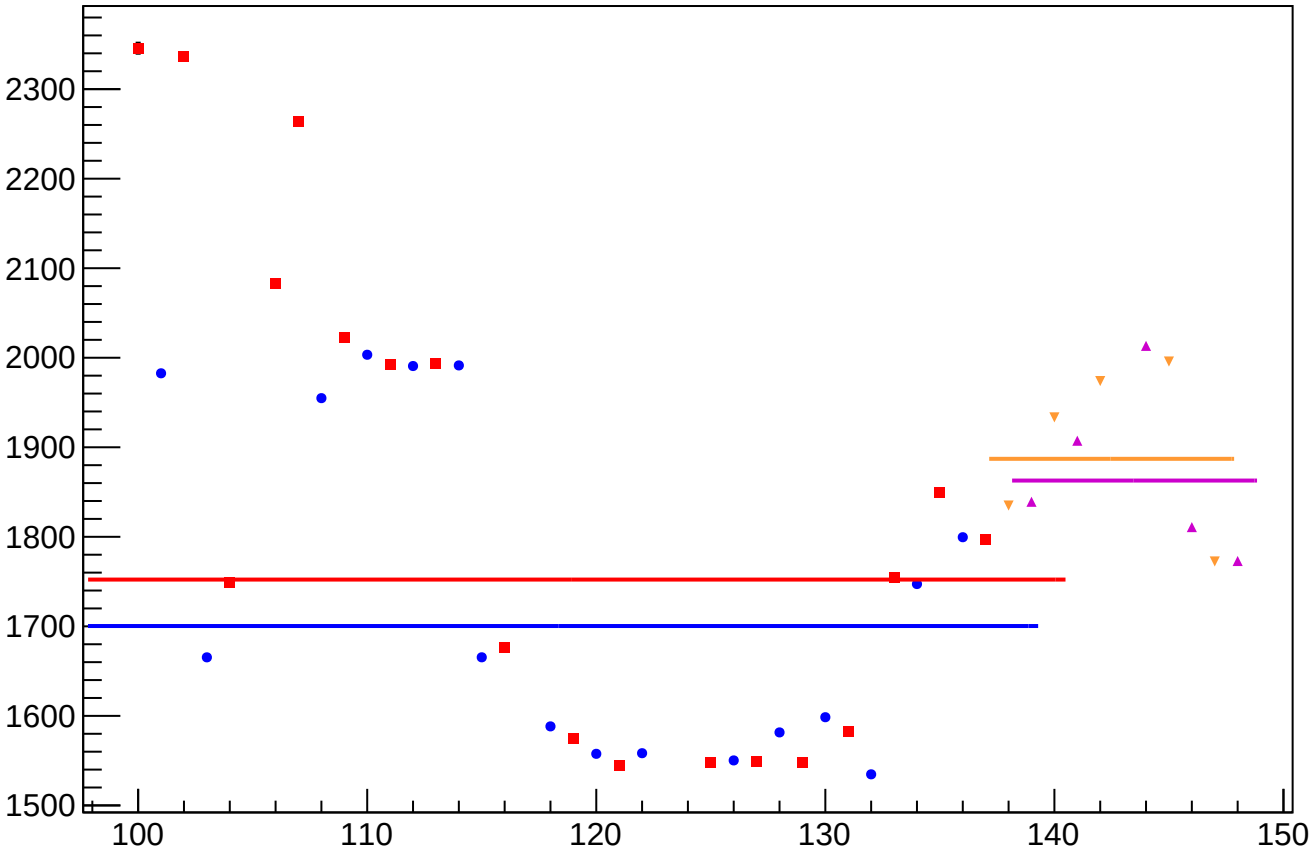
Left: 2137.300+/-660.306 χ^2/NDF: 21.2/9

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1946.903+/-518.036 χ^2/NDF:21.3/20

Out: 1775.504+/-548.453 χ^2/NDF:28.0/22

All: 1866.088+/-376.601 χ^2/NDF: 49.3/43



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1887.104+/-0.695 χ^2/NDF:15646.0/4

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1862.833+/-0.631 χ^2/NDF:17102.9/4

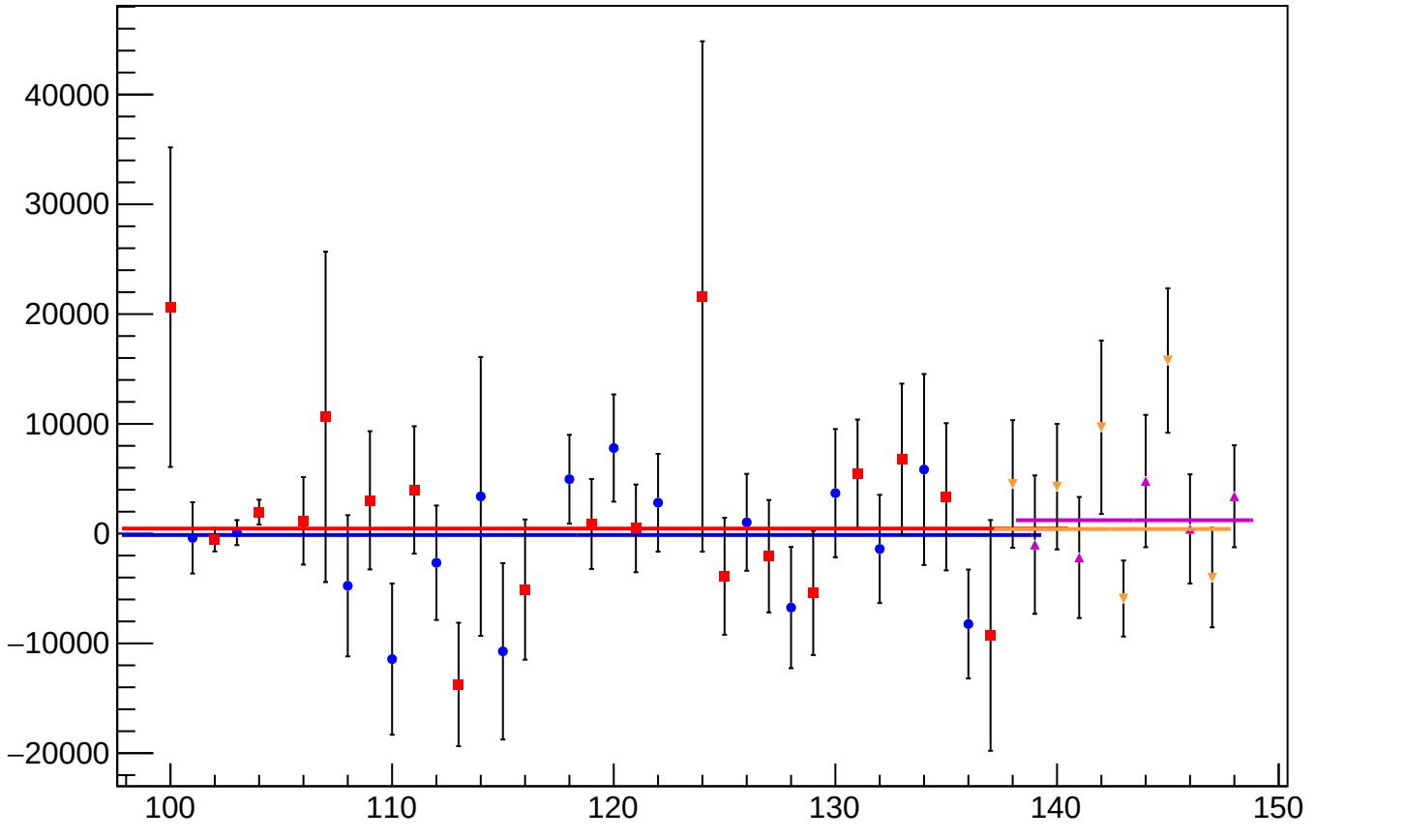
Left: 1873.797+/-0.467 χ^2/NDF: 33418.1/9

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1755.185+/-0.366 χ^2/NDF:196509.1/20

Out: 1794.138+/-0.387 χ^2/NDF:289578.9/22

All: 1773.582+/-0.266 χ^2/NDF: 491428.5/43



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 416.546+/-2079.202 χ^2/NDF:12.1/5

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1220.773+/-2409.259 χ^2/NDF:1.1/4

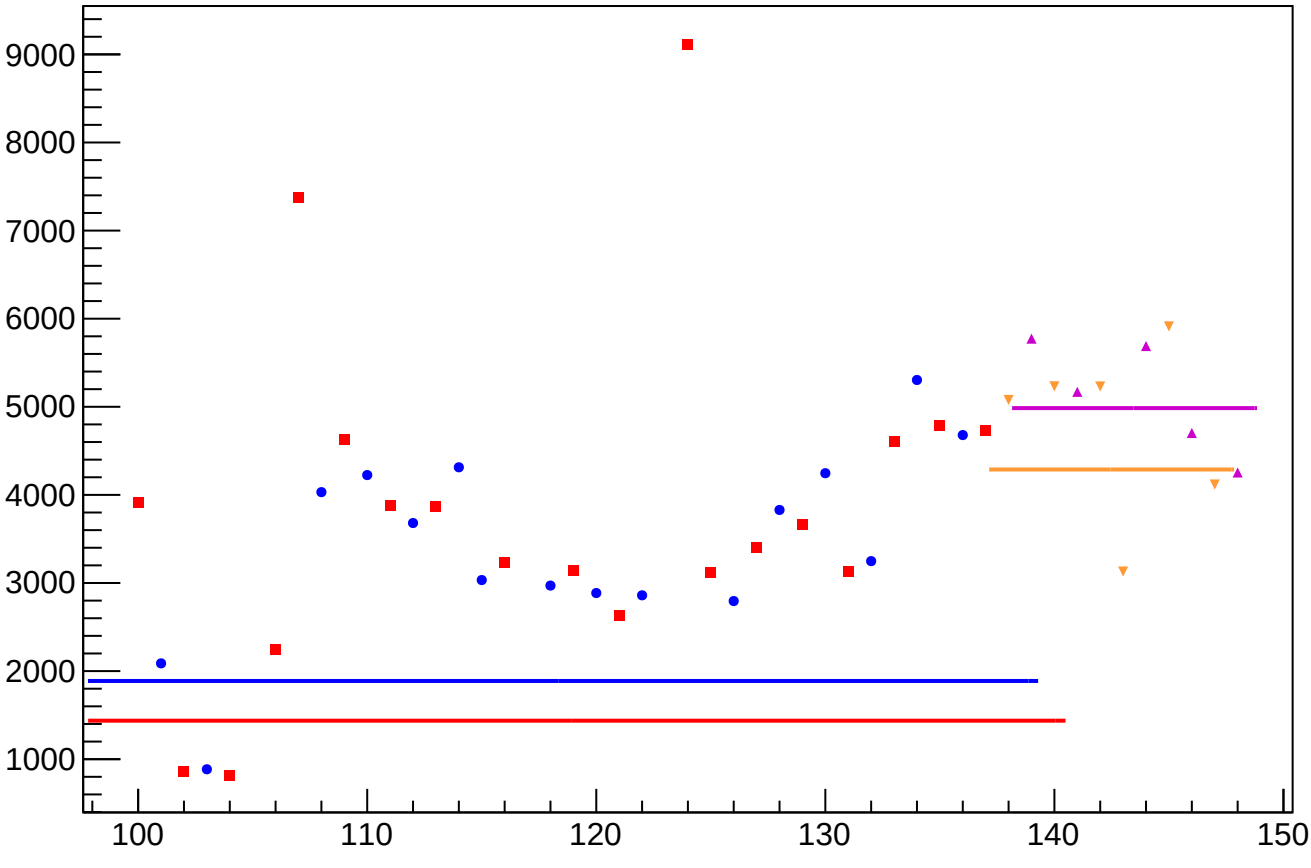
Left: 759.839+/-1574.080 χ^2/NDF: 13.2/10

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 29.088+/-816.318 χ^2/NDF:16.5/20

Out: 455.295+/-645.584 χ^2/NDF:30.6/24

All: 291.298+/-506.369 χ^2/NDF: 47.2/45



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4288.164+/-1.470 χ^2/NDF:468186.3/5

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 4985.117+/-1.704 χ^2/NDF:116805.5/4

Left: 4585.666+/-1.113 χ^2/NDF: 680916.5/10

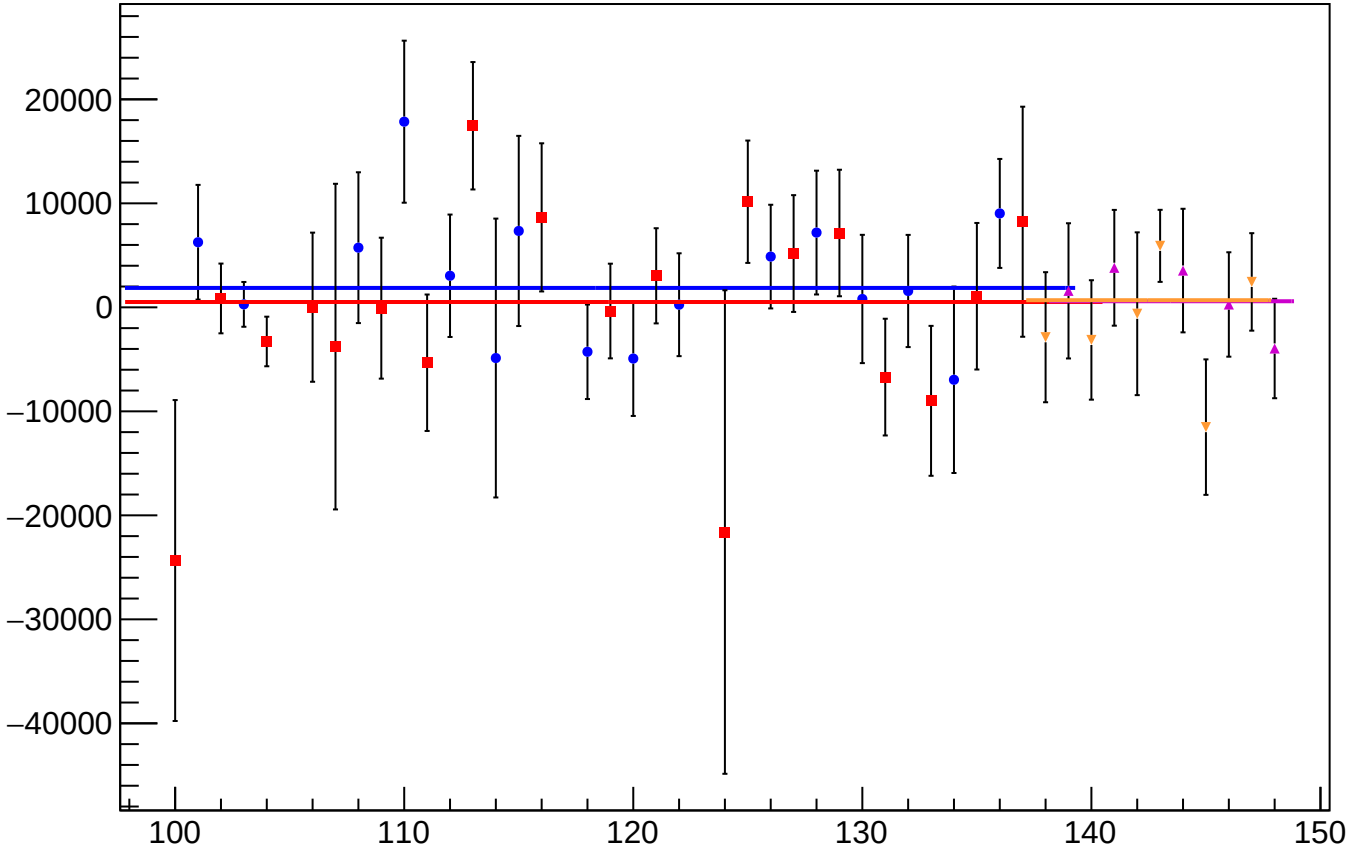
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2243.541+/-0.577 χ^2/NDF:7468192.2/20

Out: 1711.960+/-0.456 χ^2/NDF:9830424.2/24

All: 1916.504+/-0.358 χ^2/NDF: 17820386.4/4

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 684.769+/-2109.849 χ^2/NDF:6.7/5

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 585.441+/-2441.958 χ^2/NDF:1.5/4

Left: 642.314+/-1596.496 χ^2/NDF: 8.2/10

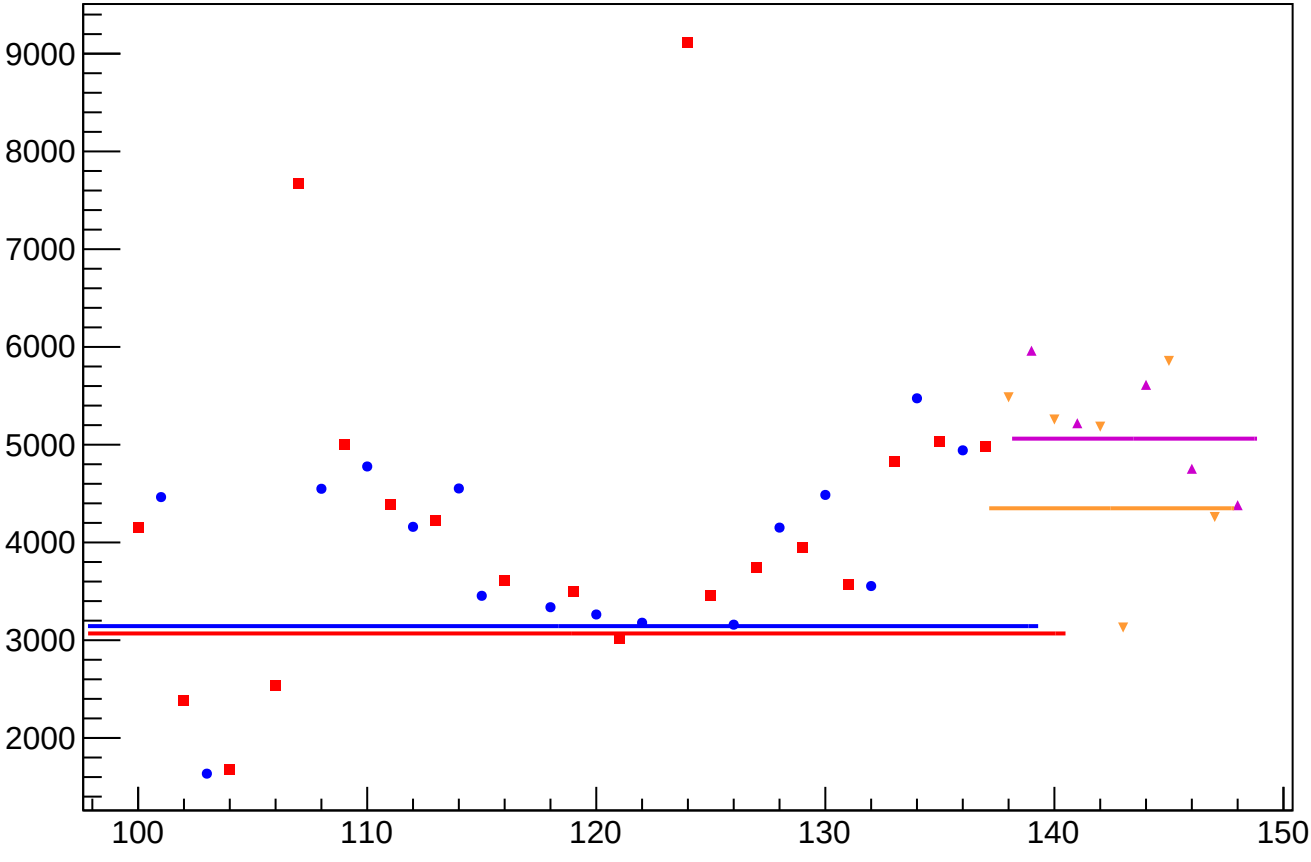
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1597.516+/-1119.160 χ^2/NDF:15.5/20

Out: 556.829+/-1070.009 χ^2/NDF:31.4/24

All: 1053.819+/-773.403 χ^2/NDF: 47.4/45

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4349.593+/-1.492 χ^2/NDF:494478.3/5

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5061.881+/-1.727 χ^2/NDF:105128.7/4

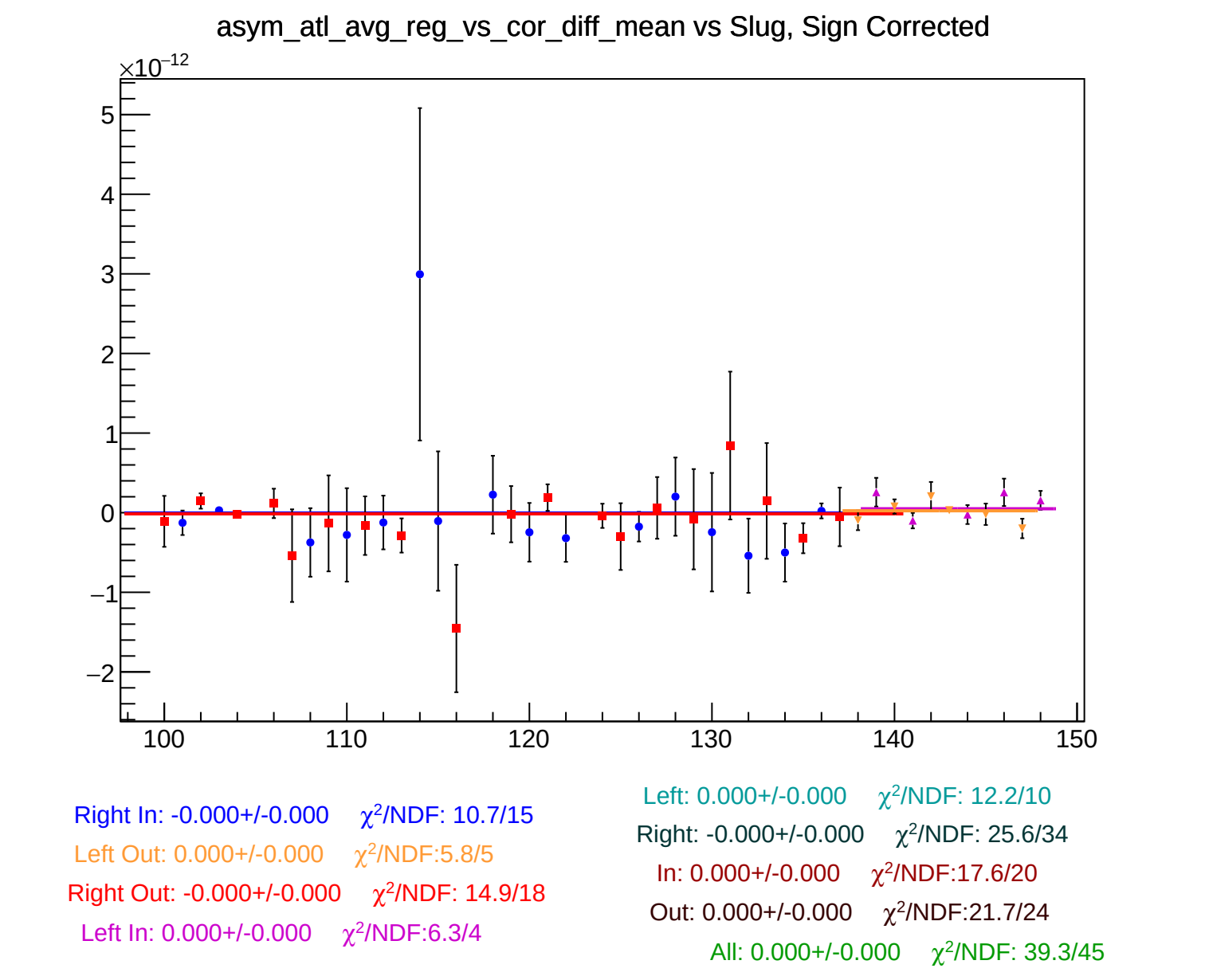
Left: 4654.042+/-1.129 χ^2/NDF: 697038.0/10

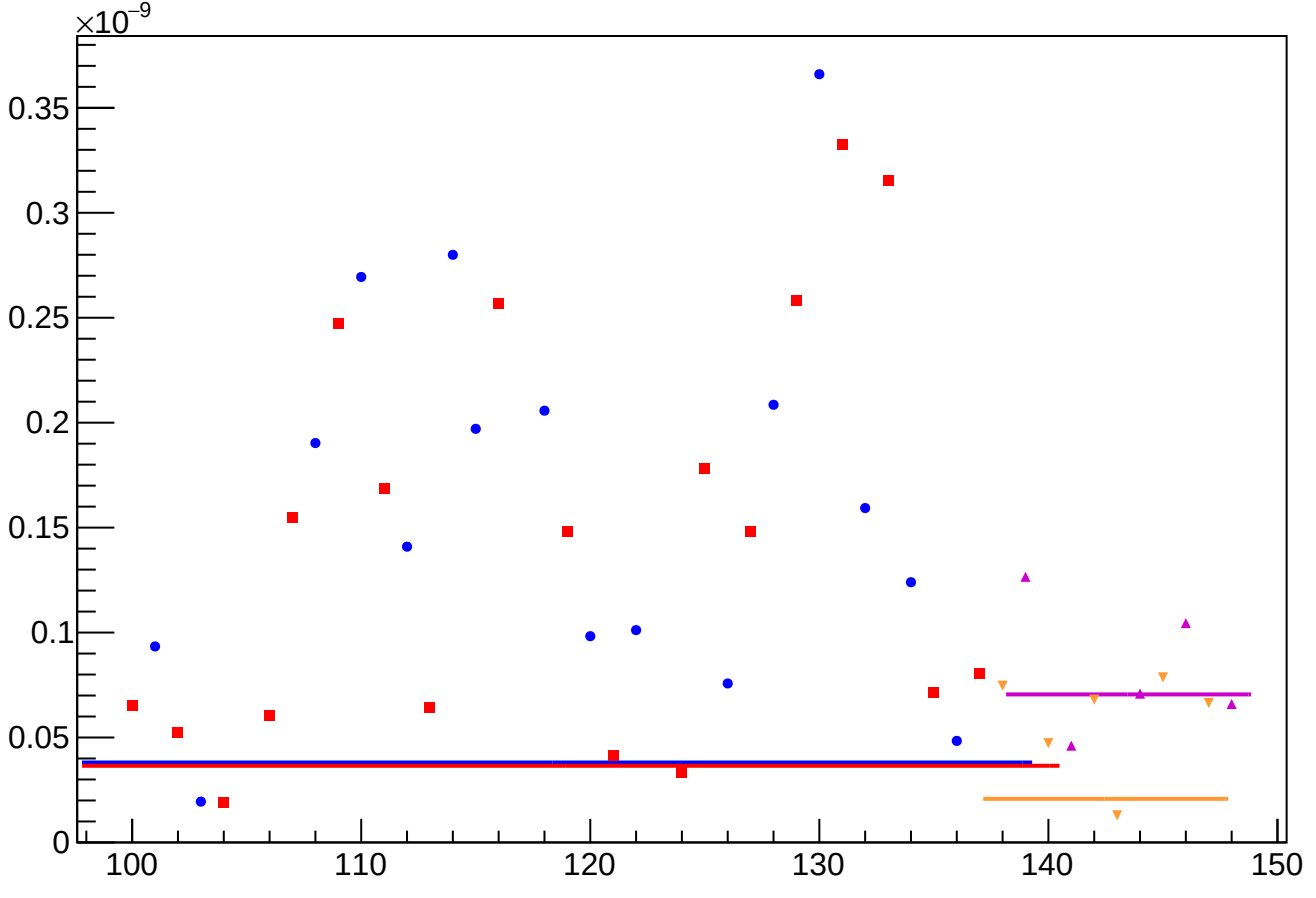
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3546.943+/-0.791 χ^2/NDF:2962672.3/20

Out: 3390.817+/-0.748 χ^2/NDF:2927720.2/24

All: 3464.465+/-0.544 χ^2/NDF: 5910954.3/45


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:5.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:6.3/4
Left: 0.000+/-0.000 χ²/NDF: 12.2/10
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:17.6/20
Out: 0.000+/-0.000 χ²/NDF:21.7/24
All: 0.000+/-0.000 χ²/NDF: 39.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1563370.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:400259.4/4

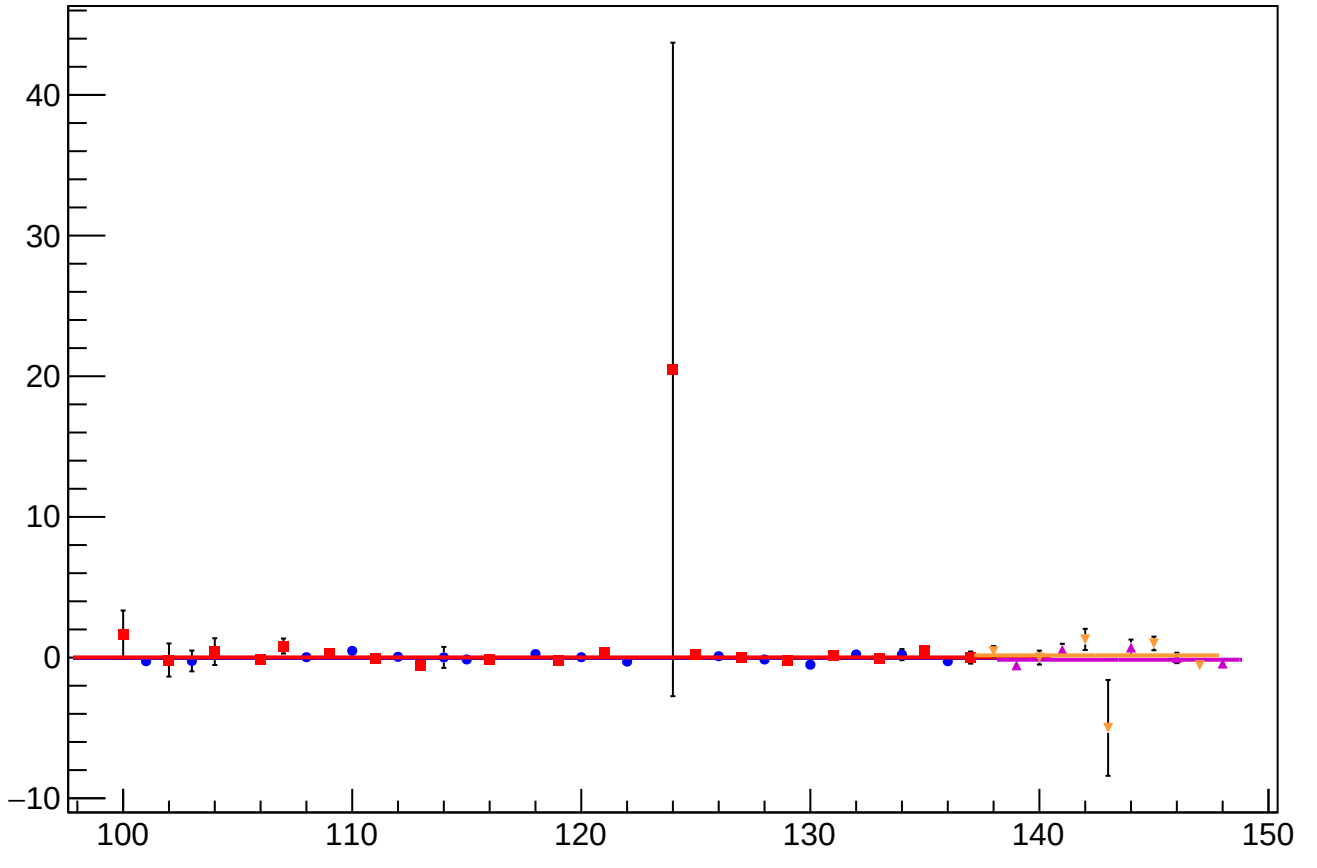
Left: 0.000+/-0.000 χ^2/NDF: 3313306.9/10

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3771507.0/20

Out: 0.000+/-0.000 χ^2/NDF:4573590.7/24

All: 0.000+/-0.000 χ^2/NDF: 9107890.2/45



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.151+/-0.162 χ^2/NDF:8.1/4

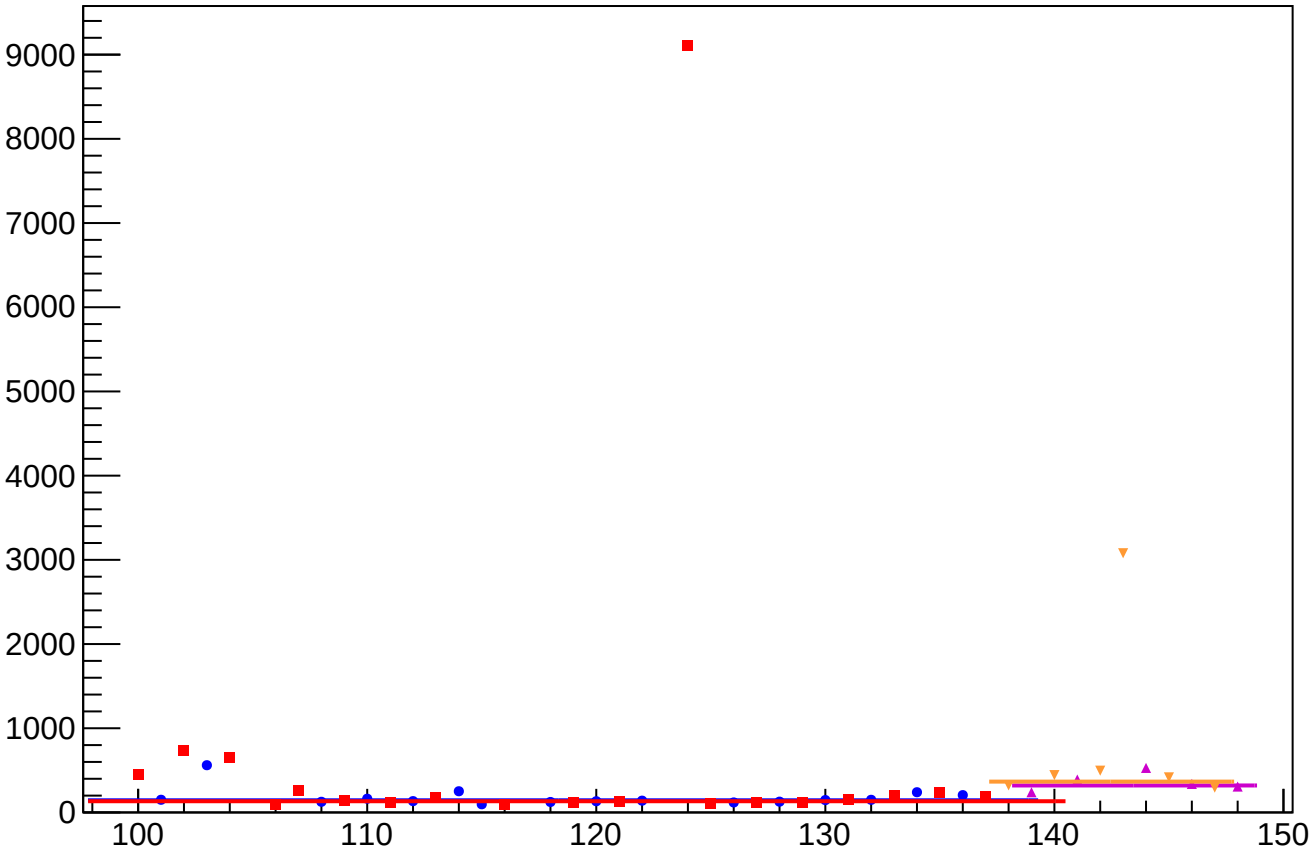
Left: -0.024+/-0.124 χ^2/NDF: 22.6/10

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.010+/-0.038 χ^2/NDF: 61.9/45



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 366.281+/-0.137 χ^2/NDF:1521662.5/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

Left: 339.294+/-0.088 χ^2/NDF: 2102957.7/10

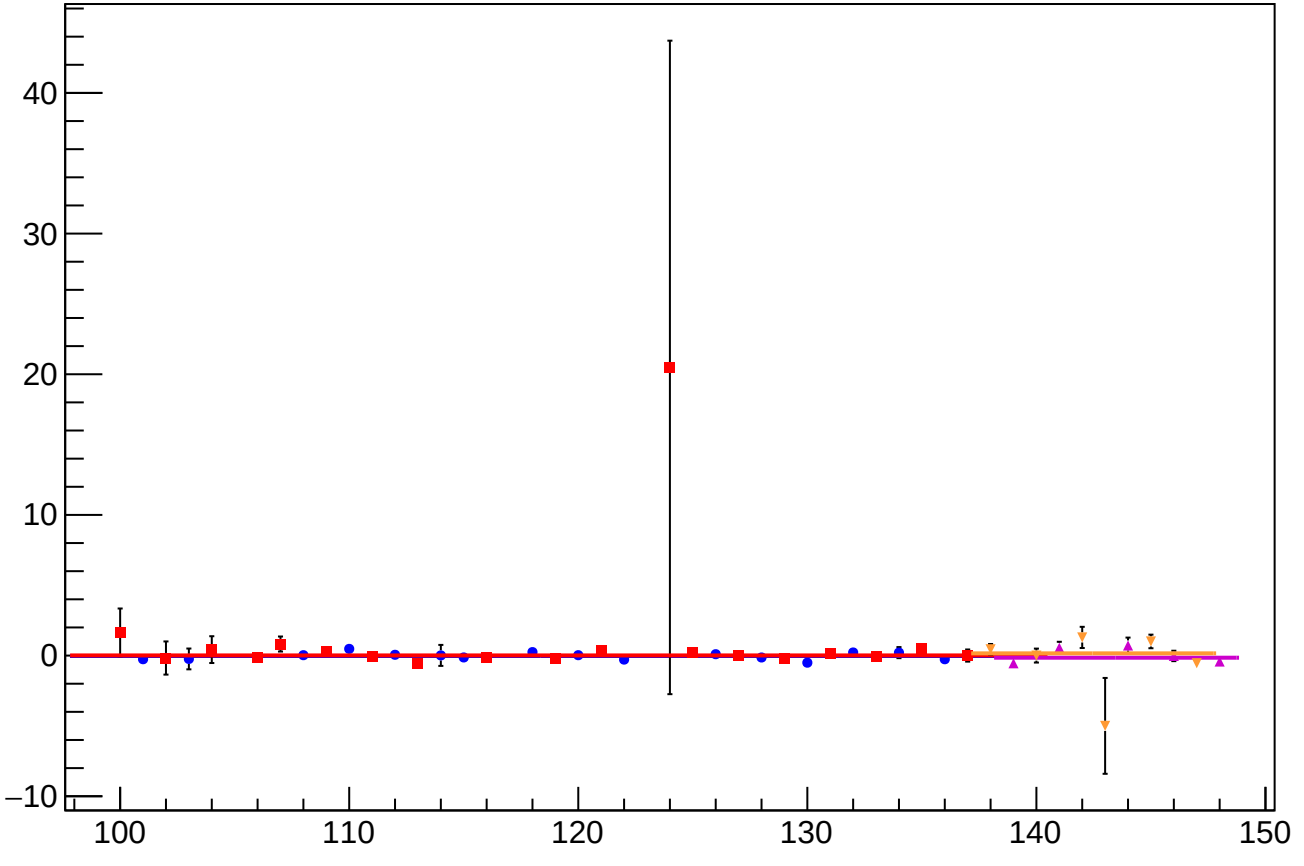
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 164.300+/-0.038 χ^2/NDF:3752165.2/20

Out: 151.591+/-0.038 χ^2/NDF:6418452.5/24

All: 157.922+/-0.027 χ^2/NDF: 10225307.8/45

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: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.151+/-0.162 χ^2/NDF:8.1/4

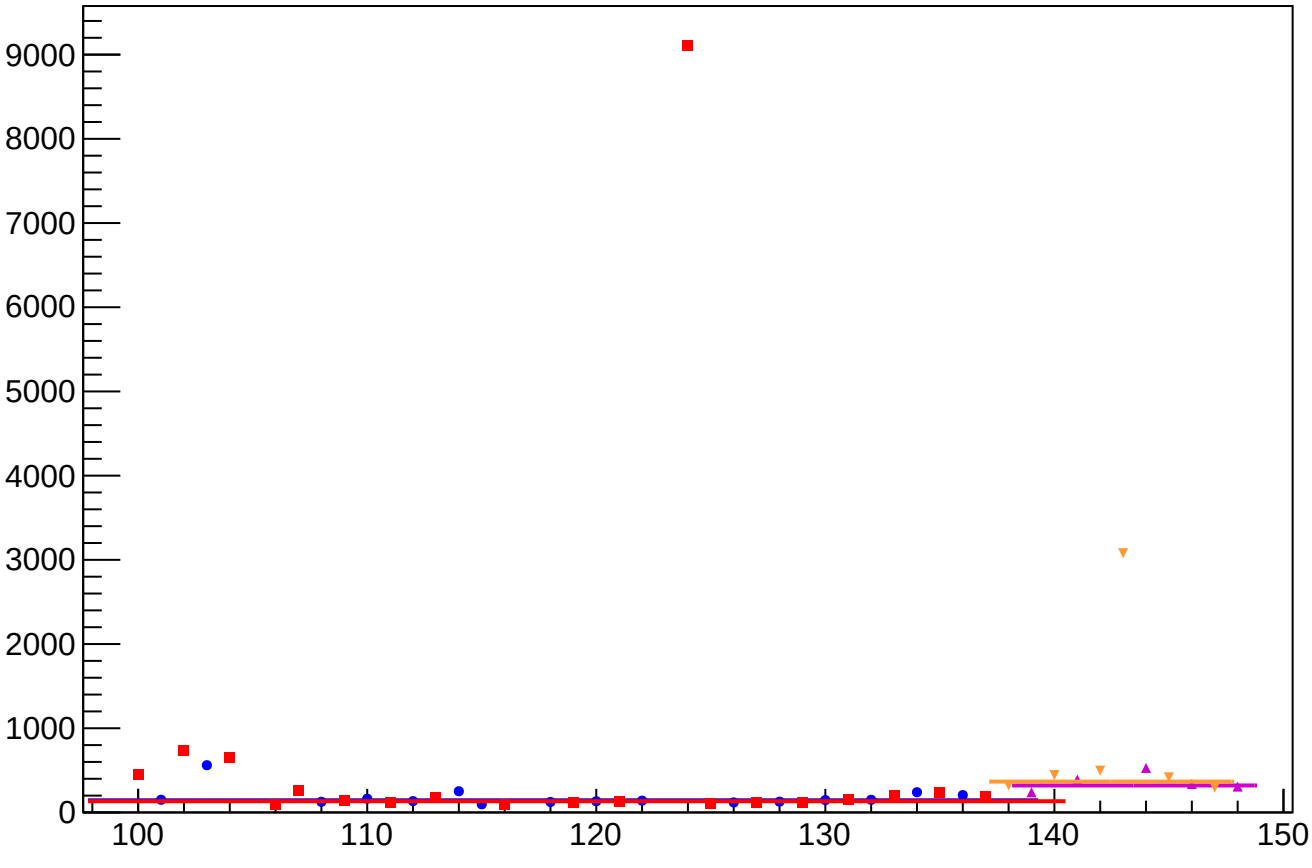
Left: -0.024+/-0.124 χ^2/NDF: 22.6/10

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.010+/-0.038 χ^2/NDF: 61.9/45



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 366.281+/-0.137 χ^2/NDF:1521662.5/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

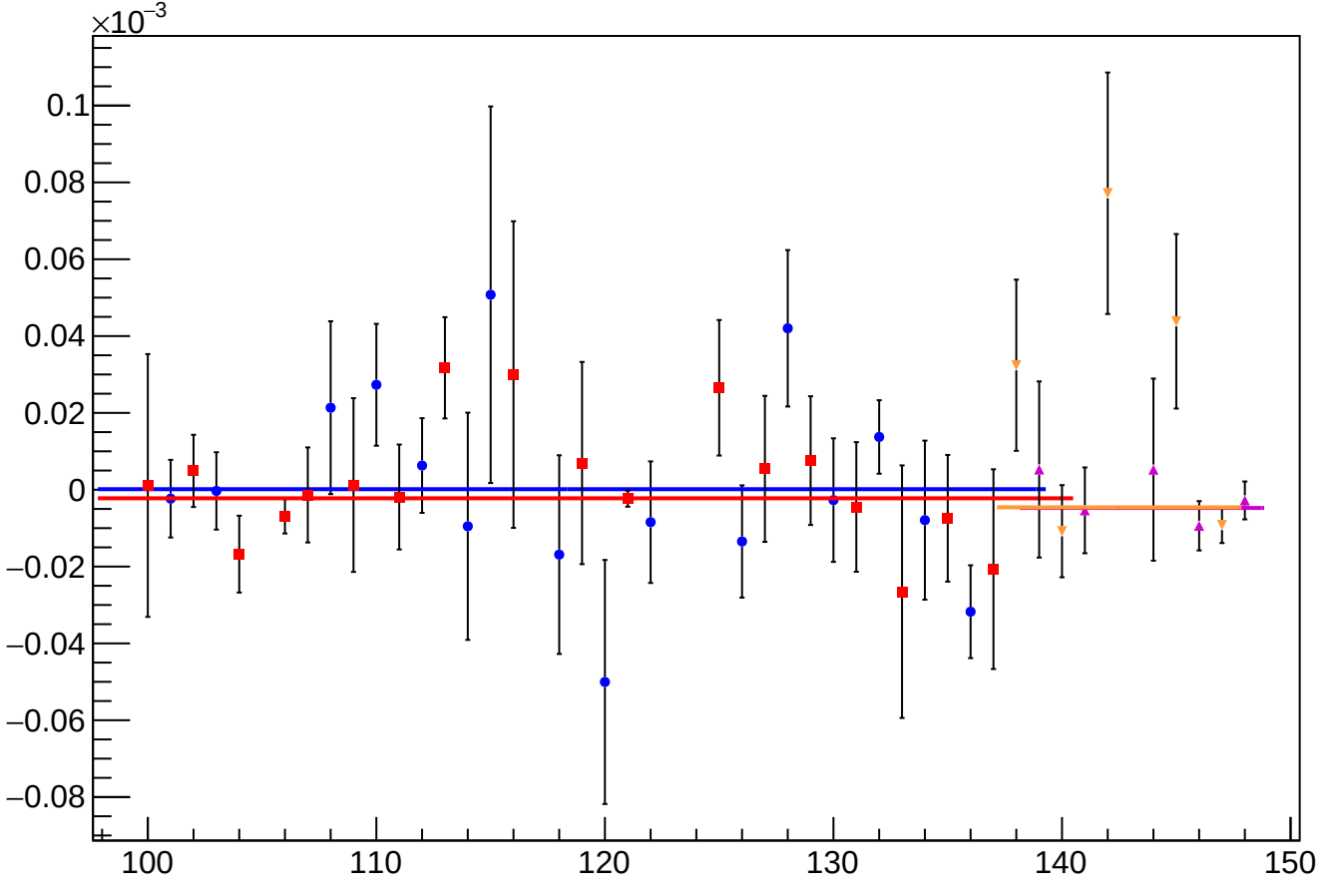
Left: 339.294+/-0.088 χ^2/NDF: 2102957.7/10

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 164.300+/-0.038 χ^2/NDF:3752165.2/20

Out: 151.591+/-0.038 χ^2/NDF:6418452.5/24

All: 157.922+/-0.027 χ^2/NDF: 10225307.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

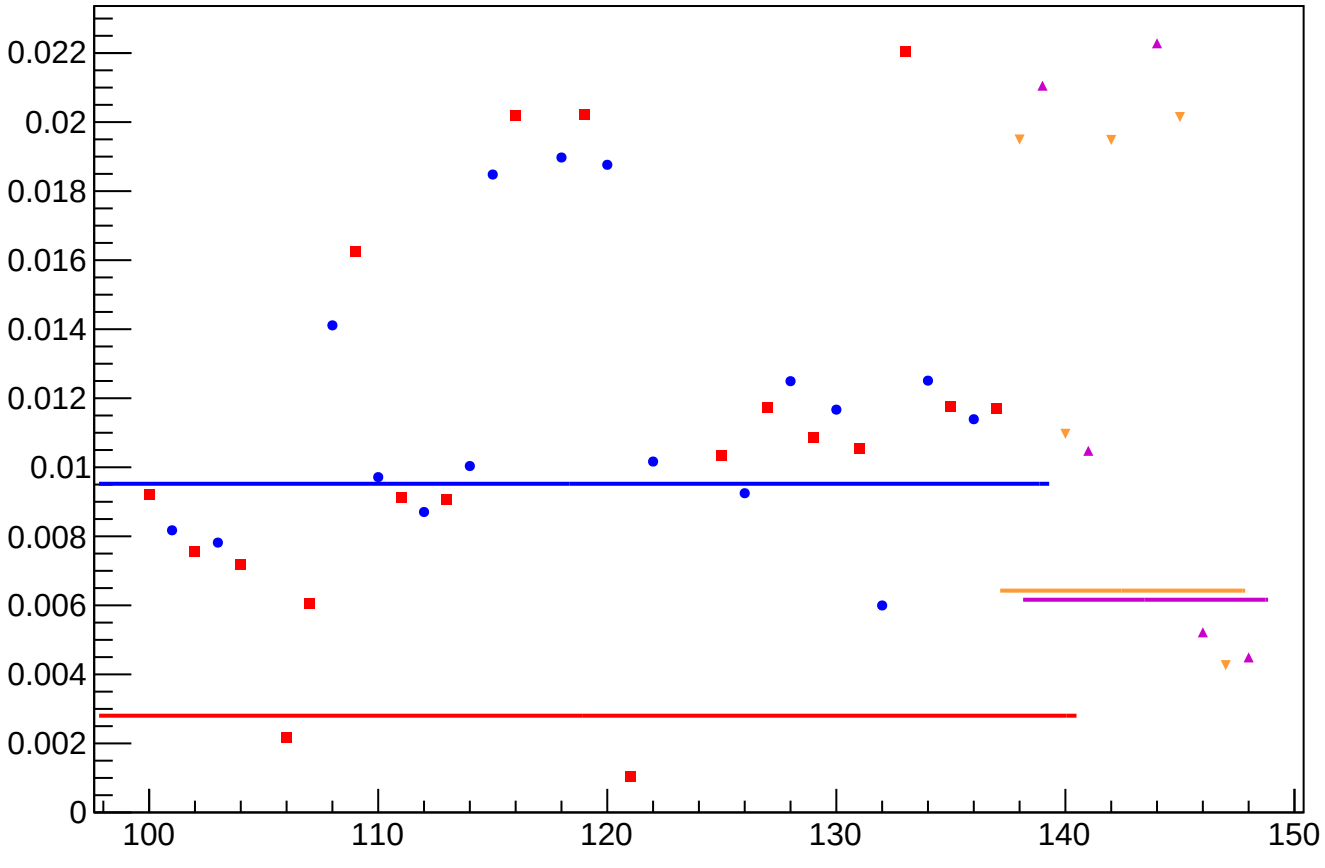
Left: -0.000+/-0.000 χ^2/NDF: 16.3/9

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:31.2/22

All: -0.000+/-0.000 χ^2/NDF: 55.9/43



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:2472256.8/4

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2341605.8/4

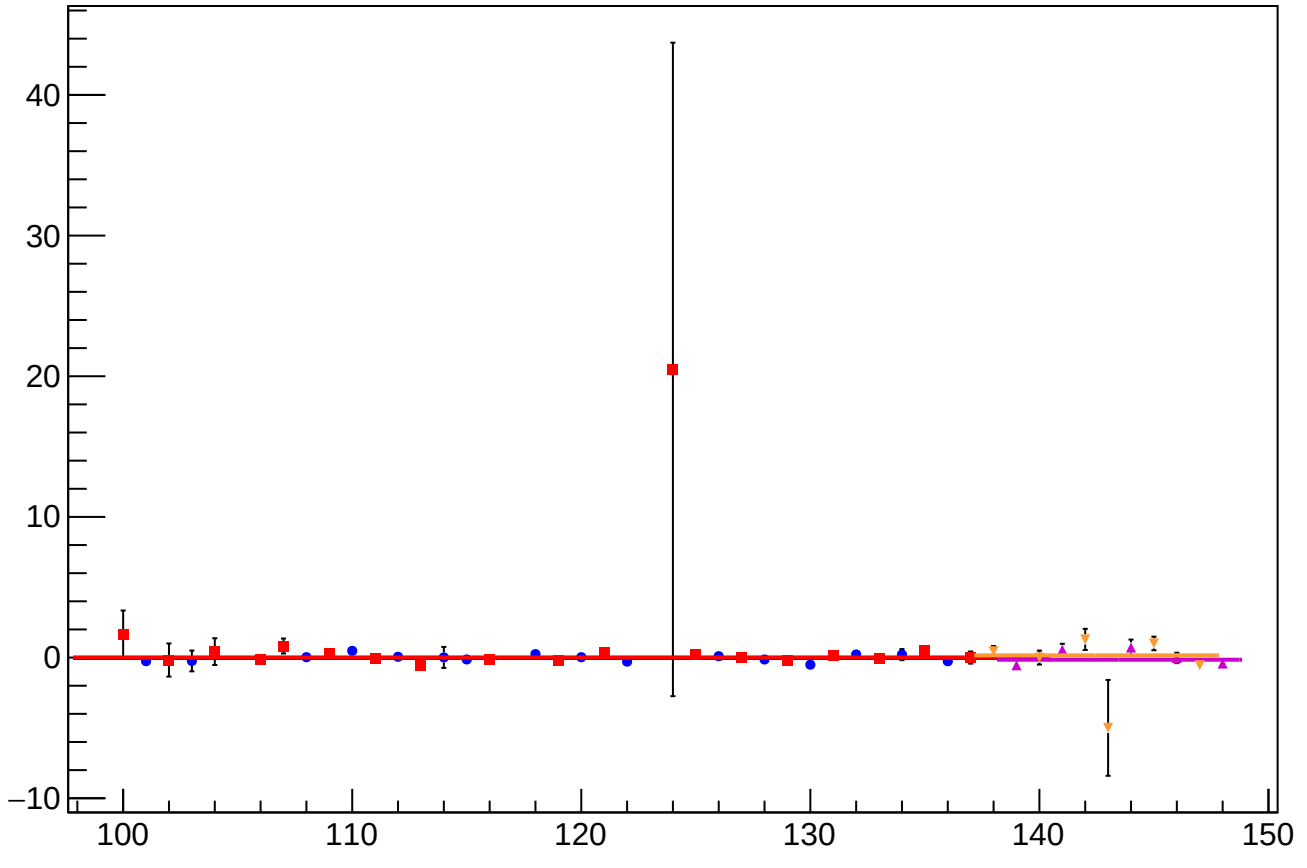
Left: 0.006+/-0.000 χ^2/NDF: 4818418.0/9

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.008+/-0.000 χ^2/NDF:4311063.8/20

Out: 0.003+/-0.000 χ^2/NDF:12324659.3/22

All: 0.005+/-0.000 χ^2/NDF: 20909545.4/43



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.151+/-0.162 χ^2/NDF:8.1/4

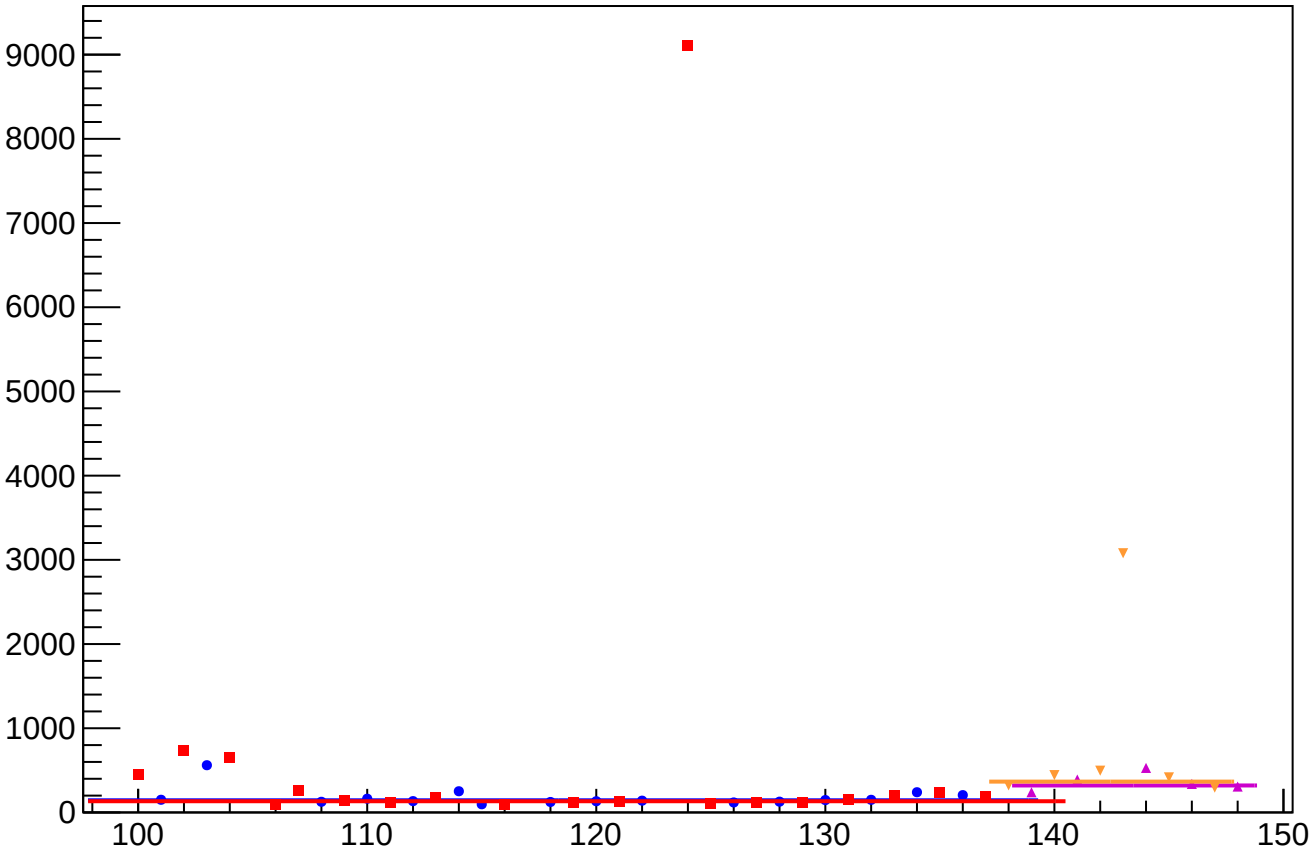
Left: -0.024+/-0.124 χ^2/NDF: 22.6/10

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.010+/-0.038 χ^2/NDF: 61.9/45



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 366.284+/-0.137 χ^2/NDF:1521680.7/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

Left: 339.299+/-0.088 χ^2/NDF: 2102952.4/10

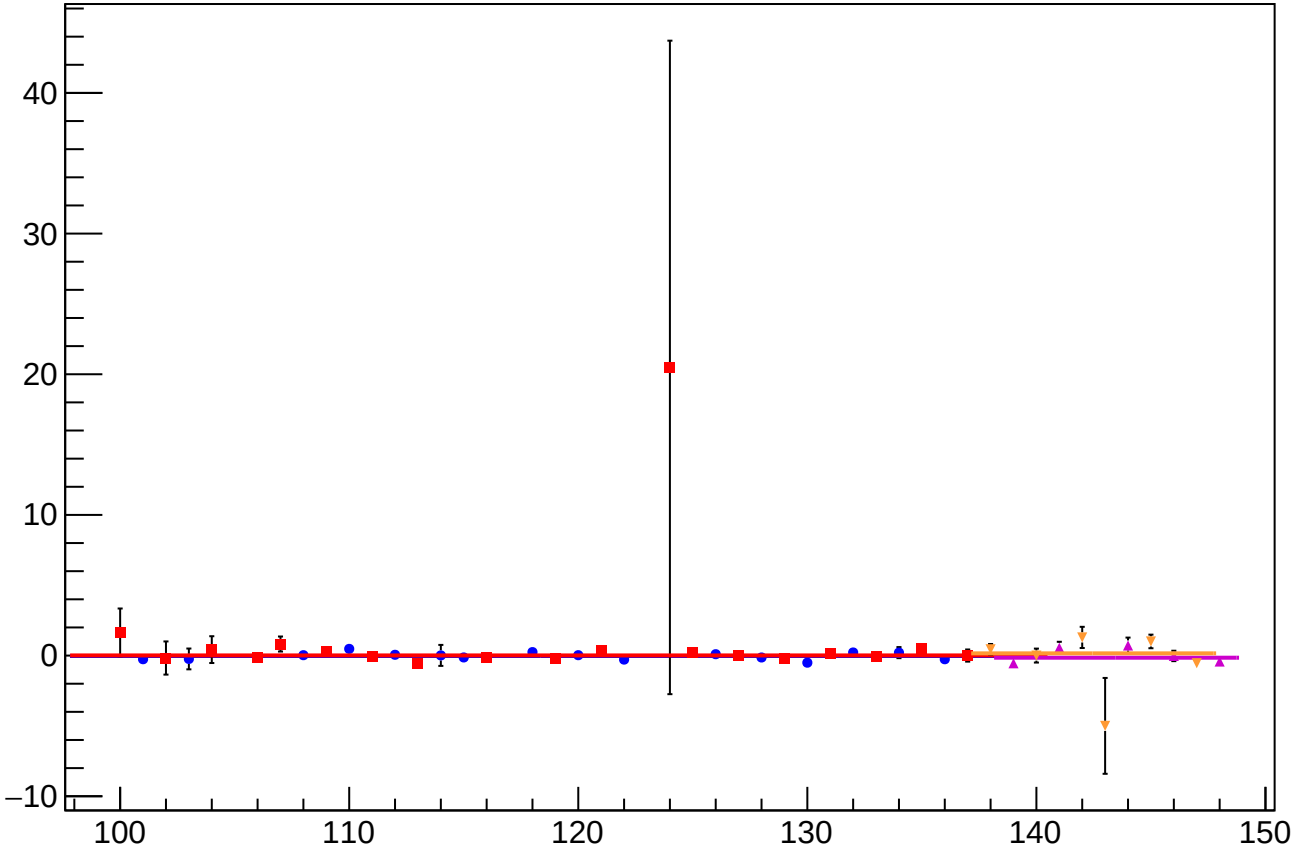
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 164.298+/-0.038 χ^2/NDF:3752274.4/20

Out: 151.590+/-0.038 χ^2/NDF:6418475.3/24

All: 157.921+/-0.027 χ^2/NDF: 10225434.0/45

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.151+/-0.162 χ^2/NDF:8.1/4

Left: -0.024+/-0.124 χ^2/NDF: 22.6/10

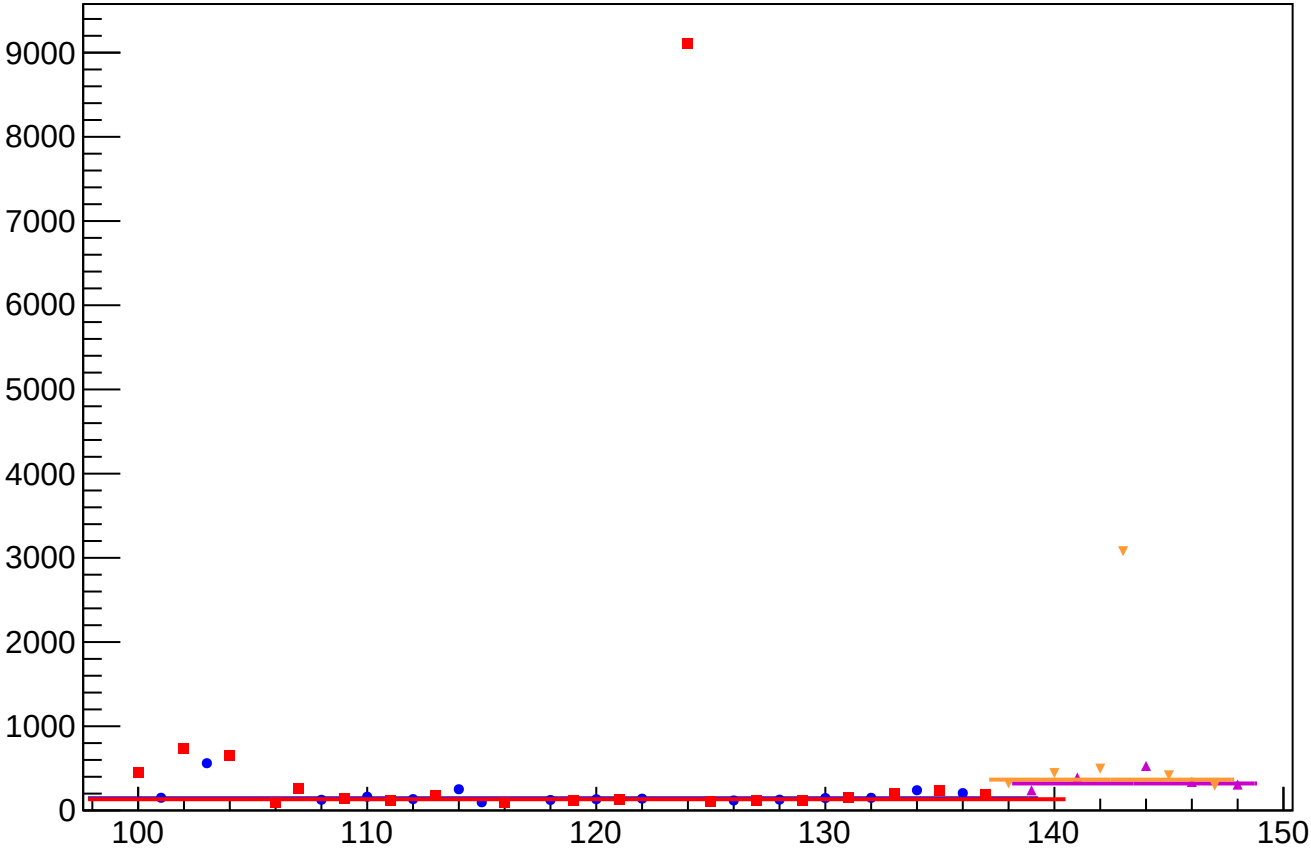
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.010+/-0.038 χ^2/NDF: 61.9/45

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: 366.284+/-0.137 χ^2/NDF:1521680.7/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

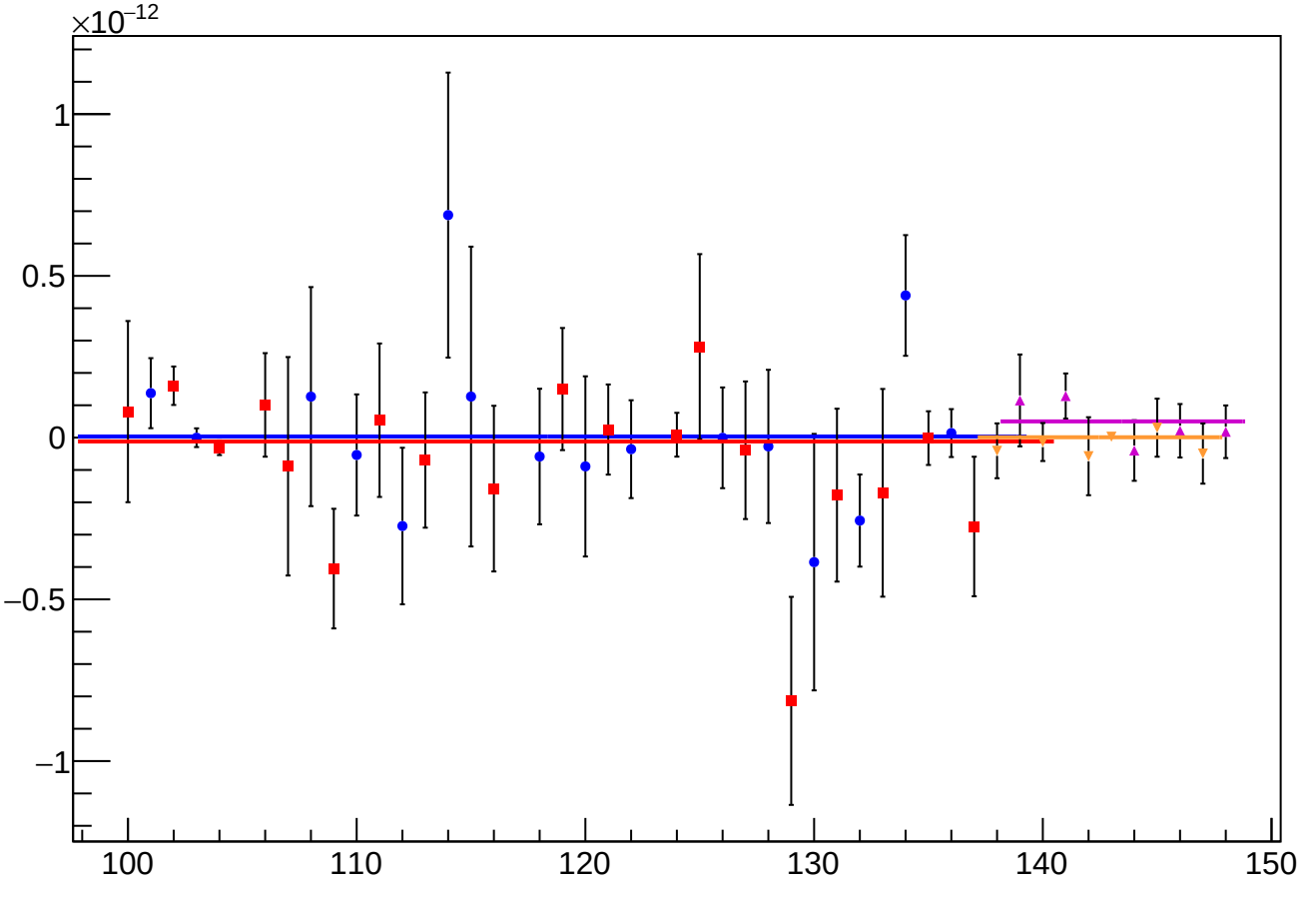
Left: 339.299+/-0.088 χ^2/NDF: 2102952.4/10

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 164.298+/-0.038 χ^2/NDF:3752274.4/20

Out: 151.590+/-0.038 χ^2/NDF:6418475.3/24

All: 157.921+/-0.027 χ^2/NDF: 10225434.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

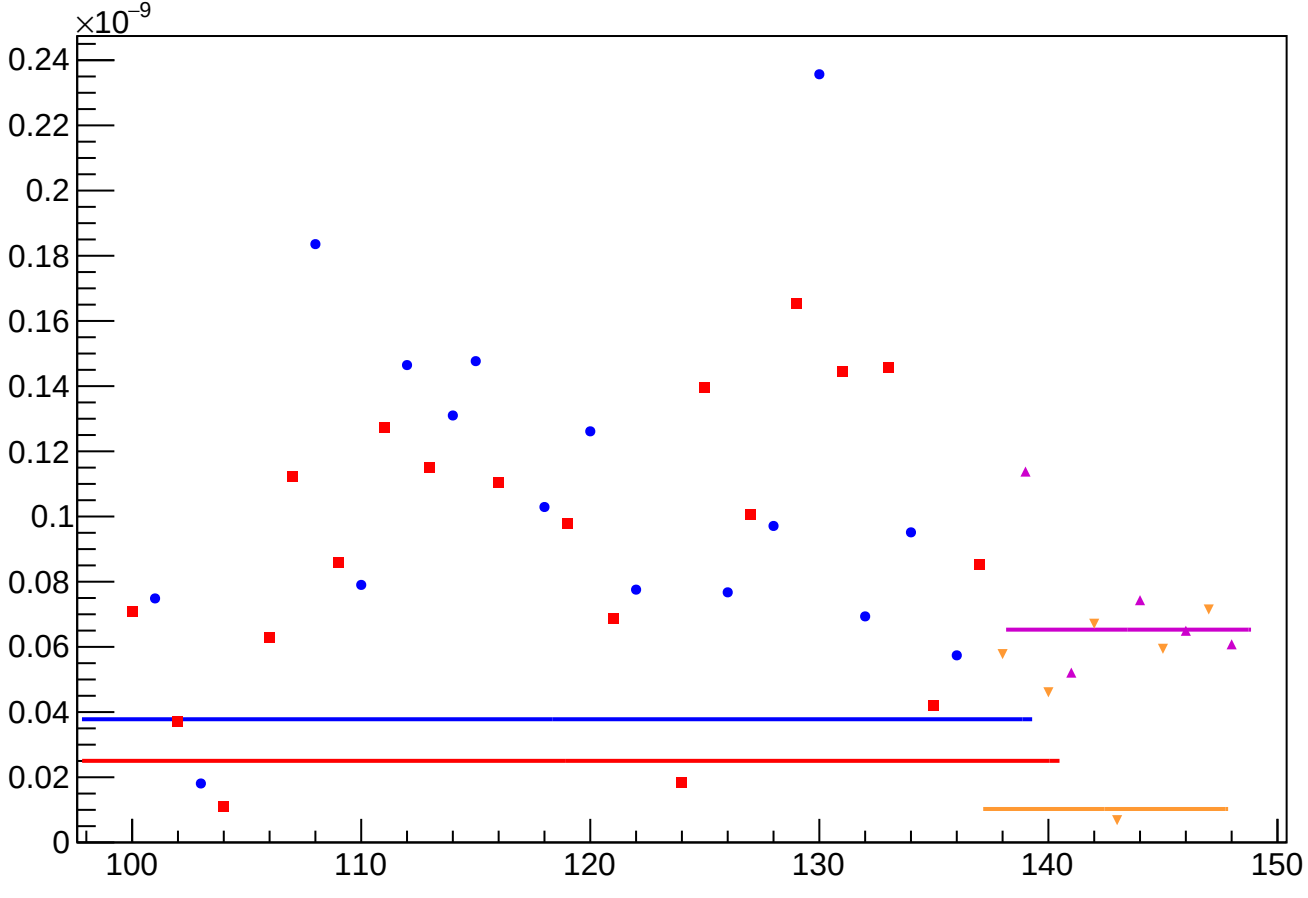
Left: 0.000+/-0.000 χ^2/NDF: 5.2/10

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:19.3/20

Out: -0.000+/-0.000 χ^2/NDF:26.5/24

All: 0.000+/-0.000 χ^2/NDF: 46.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3516414.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:329446.7/4

Left: 0.000+/-0.000 χ^2/NDF: 7642852.3/10

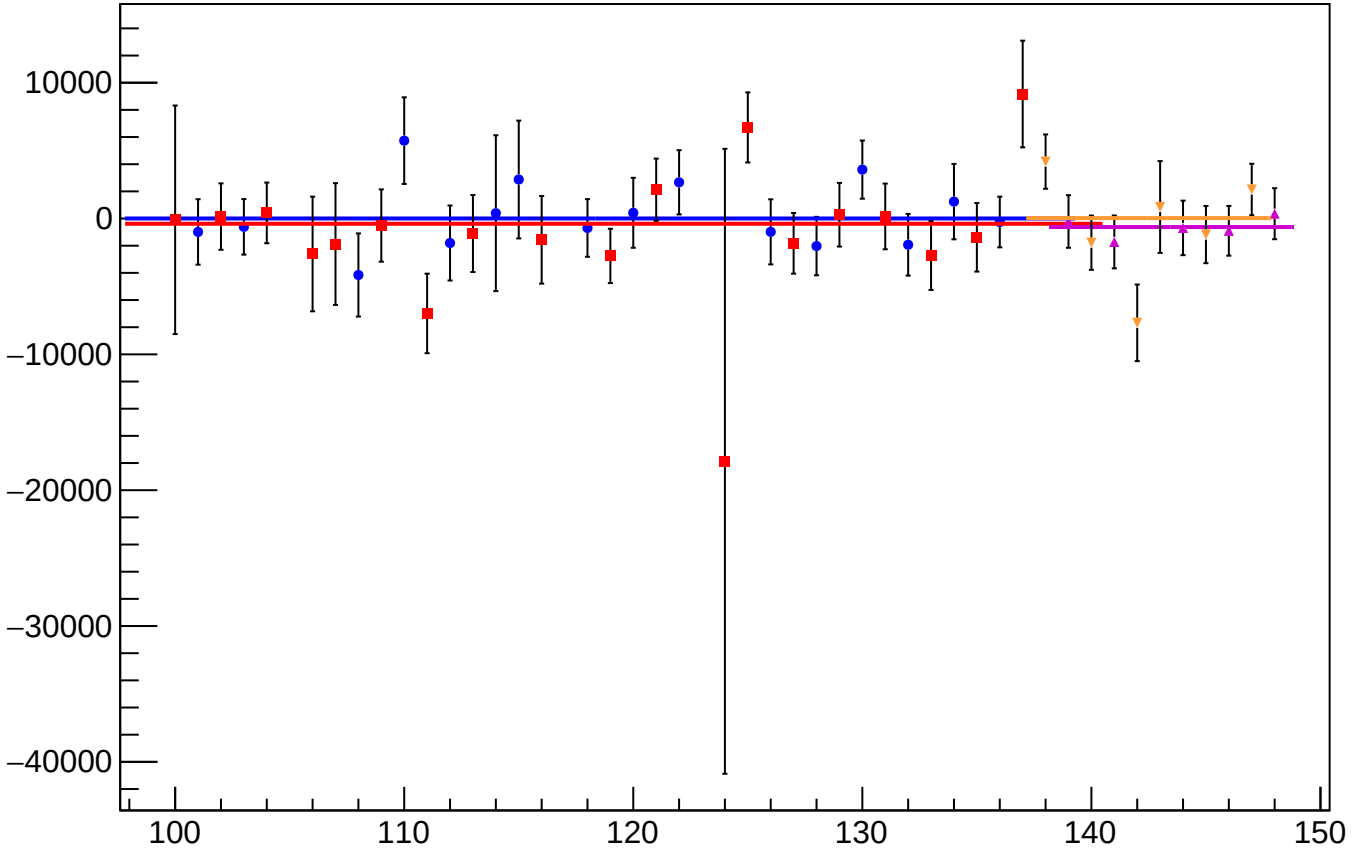
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5001199.9/20

Out: 0.000+/-0.000 χ^2/NDF:9214621.1/24

All: 0.000+/-0.000 χ^2/NDF: 18400212.9/45

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.928+/-906.196 χ^2/NDF:14.2/5

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -626.653+/-856.861 χ^2/NDF:0.7/4

Left: -314.833+/-622.603 χ^2/NDF: 15.2/10

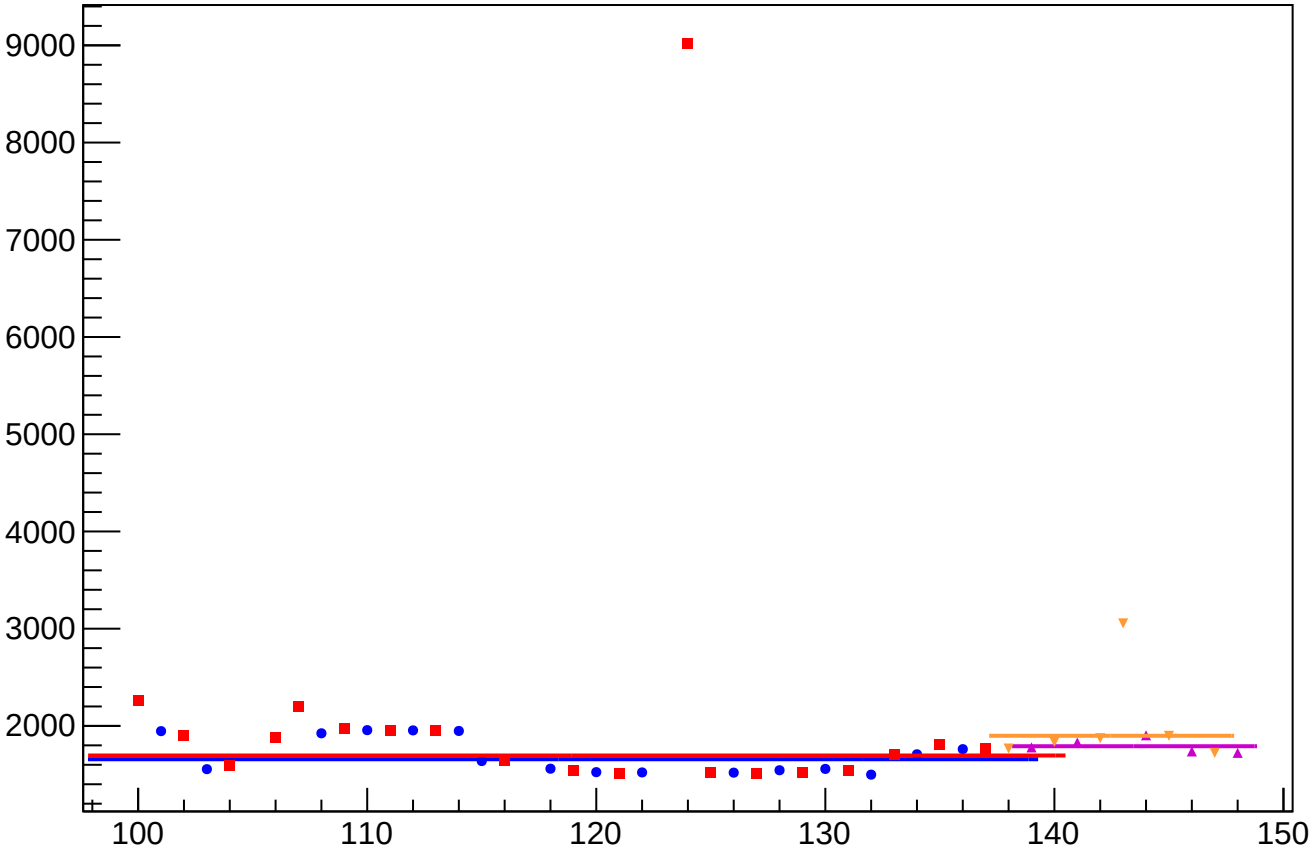
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -212.430+/-502.249 χ^2/NDF:13.5/20

Out: -247.260+/-519.309 χ^2/NDF:38.4/24

All: -229.263+/-361.024 χ^2/NDF: 51.9/45

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

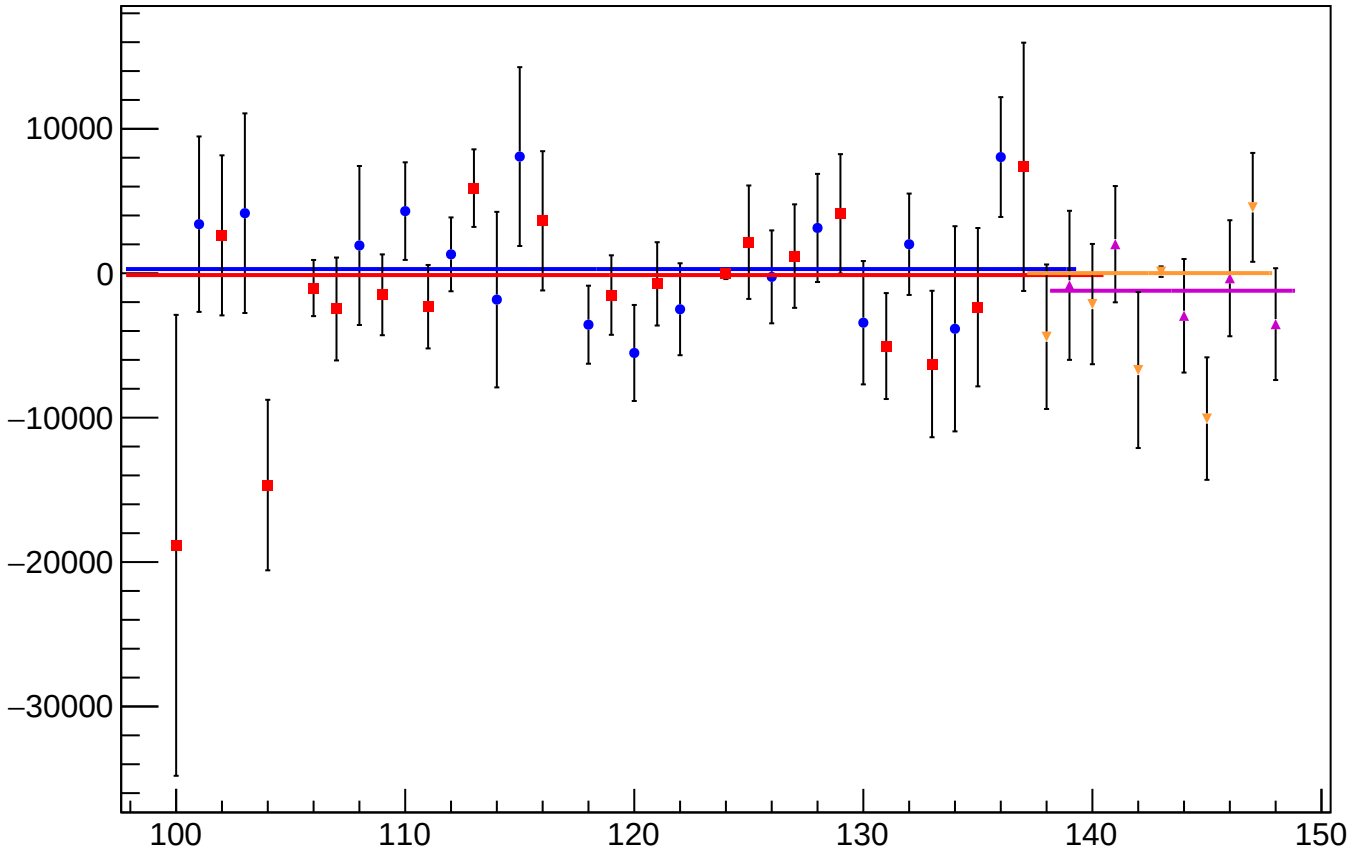
Left: 1841.737+/-0.440 χ^2/NDF: 288249.8/10

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1703.101+/-0.355 χ^2/NDF:187494.8/20

Out: 1761.866+/-0.366 χ^2/NDF:715632.9/24

All: 1731.593+/-0.255 χ^2/NDF: 916403.0/45



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 8.645+/-358.056 χ^2/NDF:9.8/5

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1210.866+/-1848.748 χ^2/NDF:1.2/4

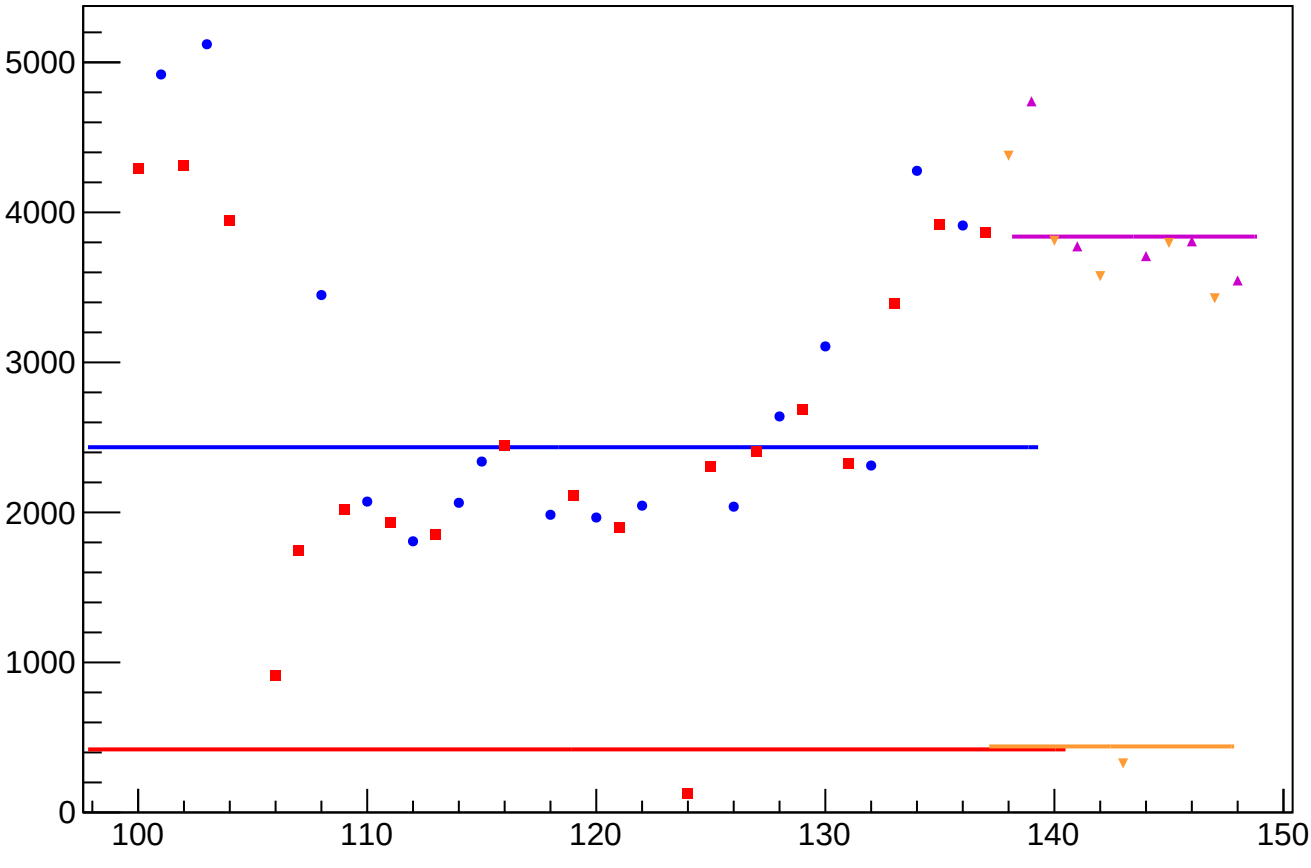
Left: -35.445+/-351.524 χ^2/NDF: 11.4/10

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -29.890+/-852.731 χ^2/NDF:17.0/20

Out: -65.215+/-240.126 χ^2/NDF:30.7/24

All: -62.619+/-231.137 χ^2/NDF: 47.7/45



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 440.081+/-0.253 χ^2/NDF:5925099.3/5

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3838.530+/-1.307 χ^2/NDF:75306.2/4

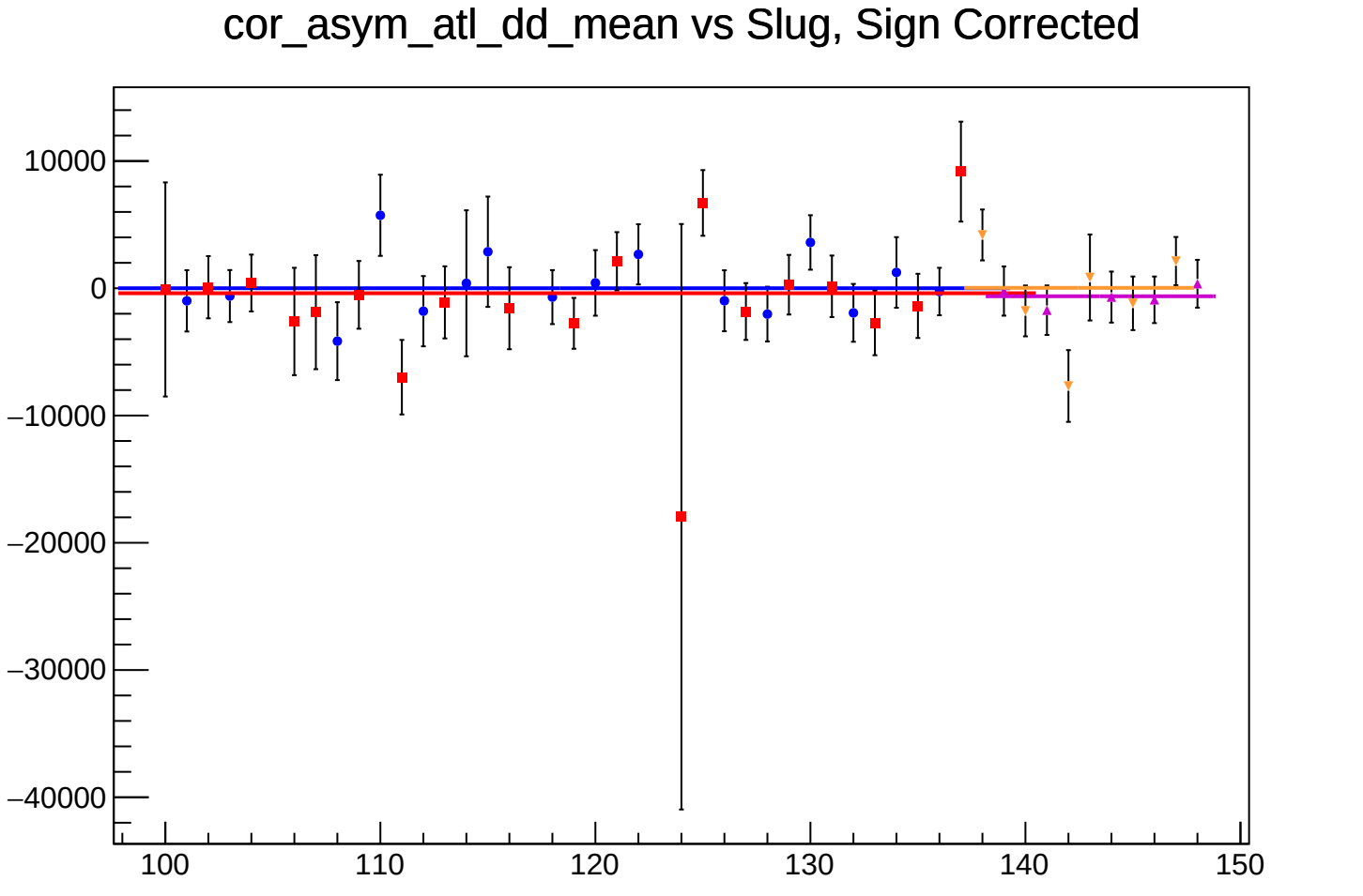
Left: 562.949+/-0.249 χ^2/NDF: 12514344.9/10

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2733.280+/-0.603 χ^2/NDF:2441020.8/20

Out: 429.193+/-0.170 χ^2/NDF:16992434.7/24

All: 598.476+/-0.163 χ^2/NDF: 32962378.3/45



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.656+/-906.196 χ^2/NDF:14.2/5

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -626.539+/-856.861 χ^2/NDF:0.7/4

Left: -314.901+/-622.603 χ^2/NDF: 15.2/10

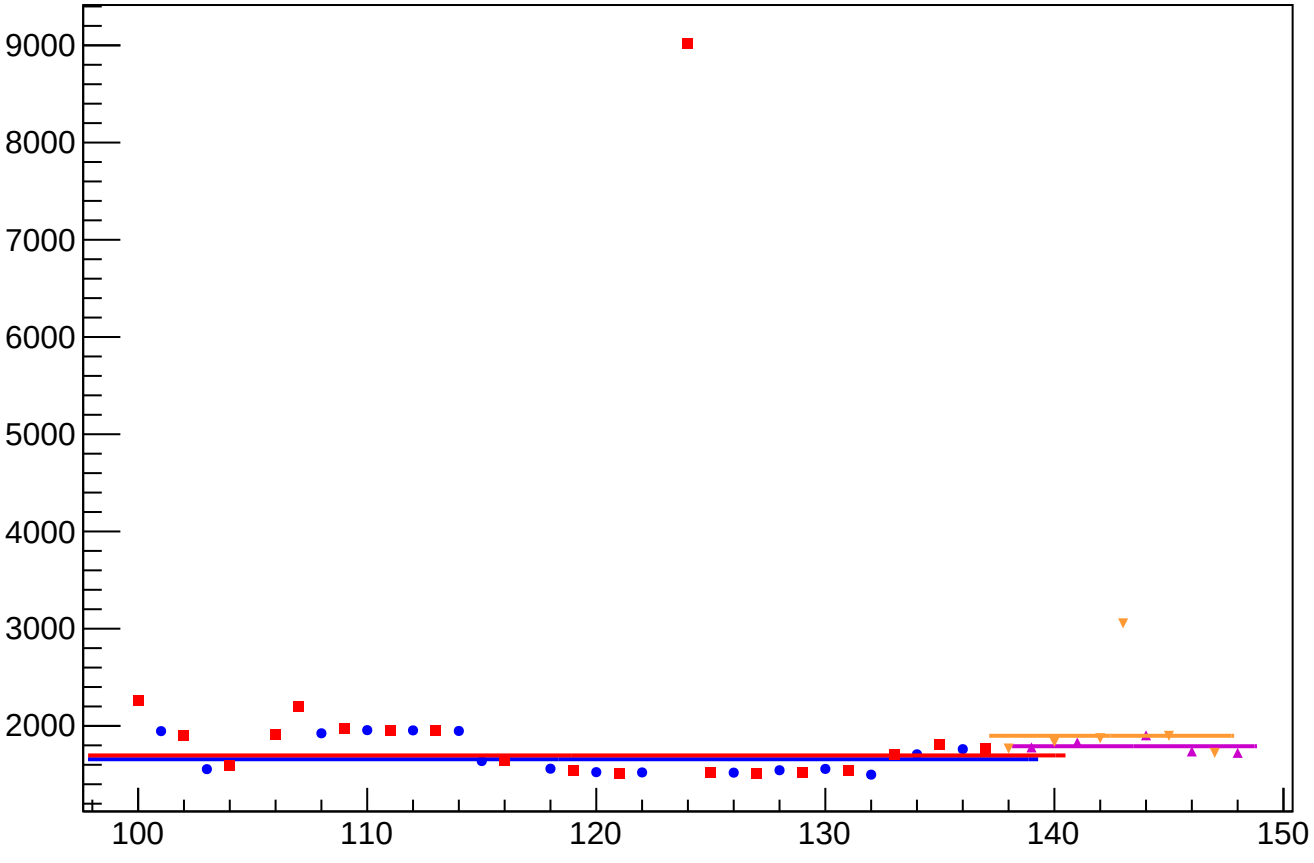
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -212.442+/-502.249 χ^2/NDF:13.5/20

Out: -250.233+/-519.312 χ^2/NDF:38.4/24

All: -230.707+/-361.025 χ^2/NDF: 51.9/45

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

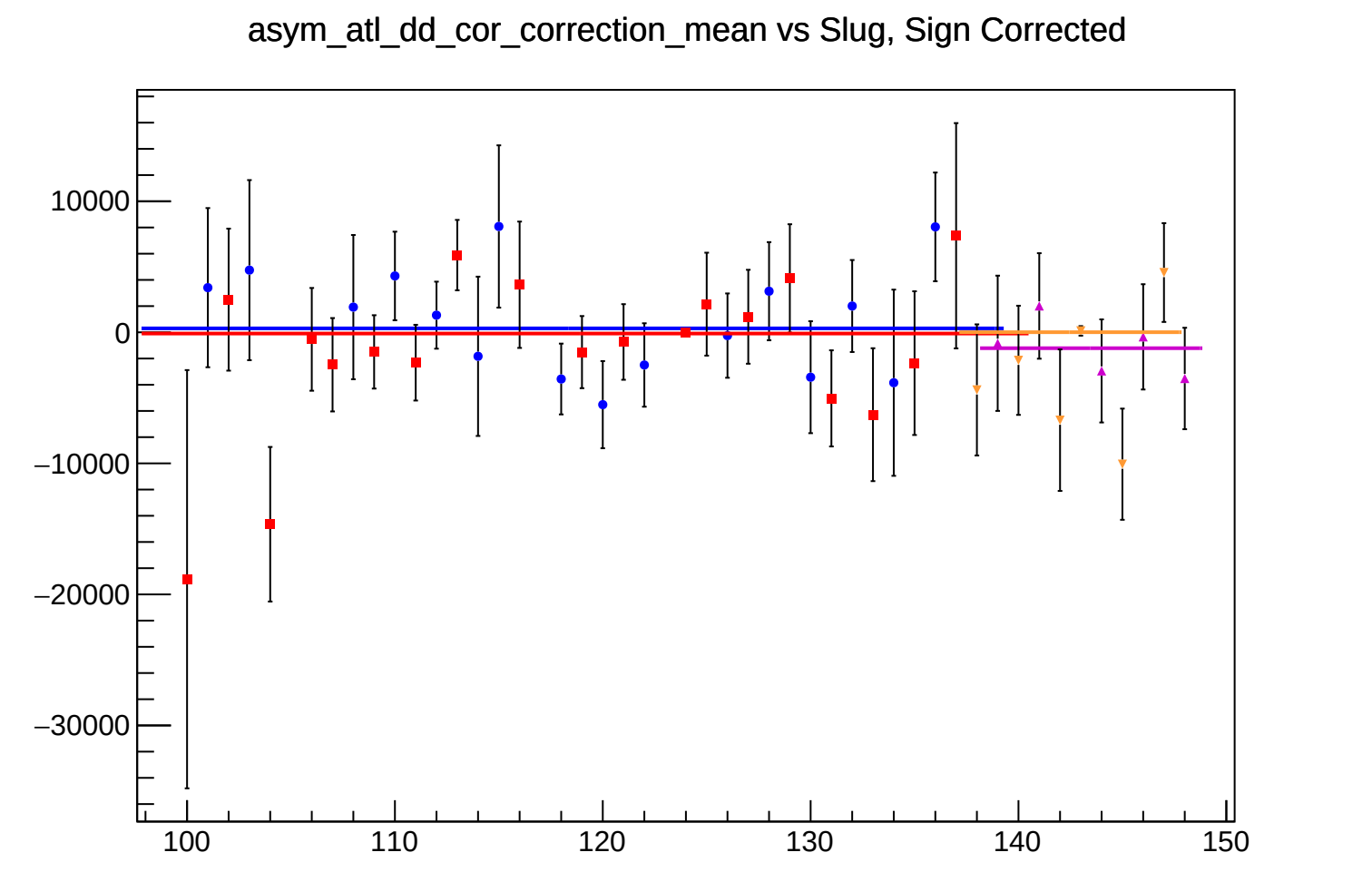
Left: 1841.737+/-0.440 χ^2/NDF: 288249.8/10

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1703.101+/-0.355 χ^2/NDF:187494.9/20

Out: 1762.443+/-0.366 χ^2/NDF:716842.9/24

All: 1731.864+/-0.255 χ^2/NDF: 917870.7/45



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 9.112+/-358.029 χ^2/NDF:9.8/5

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1210.752+/-1848.748 χ^2/NDF:1.2/4

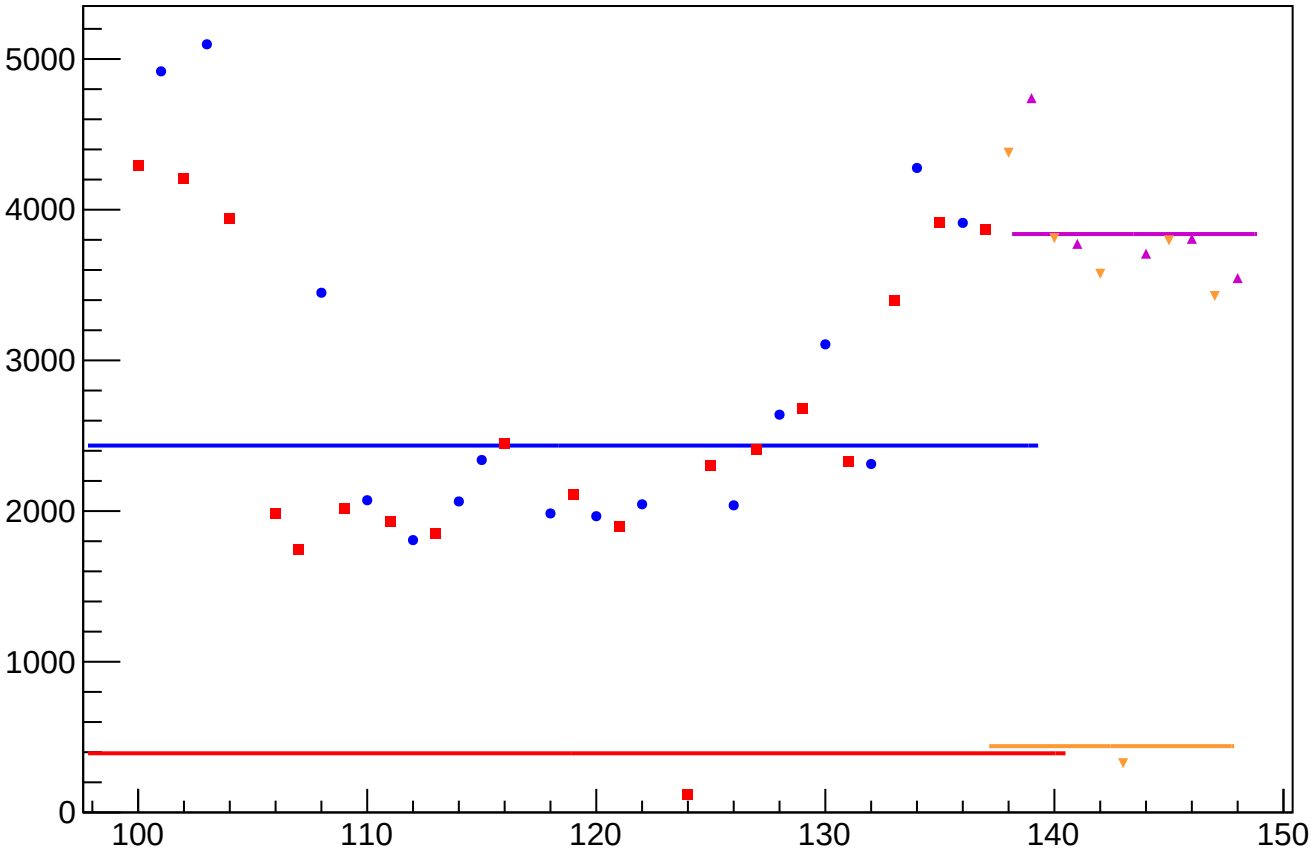
Left: -34.984+/-351.498 χ^2/NDF: 11.4/10

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -19.901+/-852.648 χ^2/NDF:17.1/20

Out: -47.899+/-236.816 χ^2/NDF:30.4/24

All: -45.894+/-228.179 χ^2/NDF: 47.5/45



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 440.036+/-0.253 χ^2/NDF:5925226.9/5

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

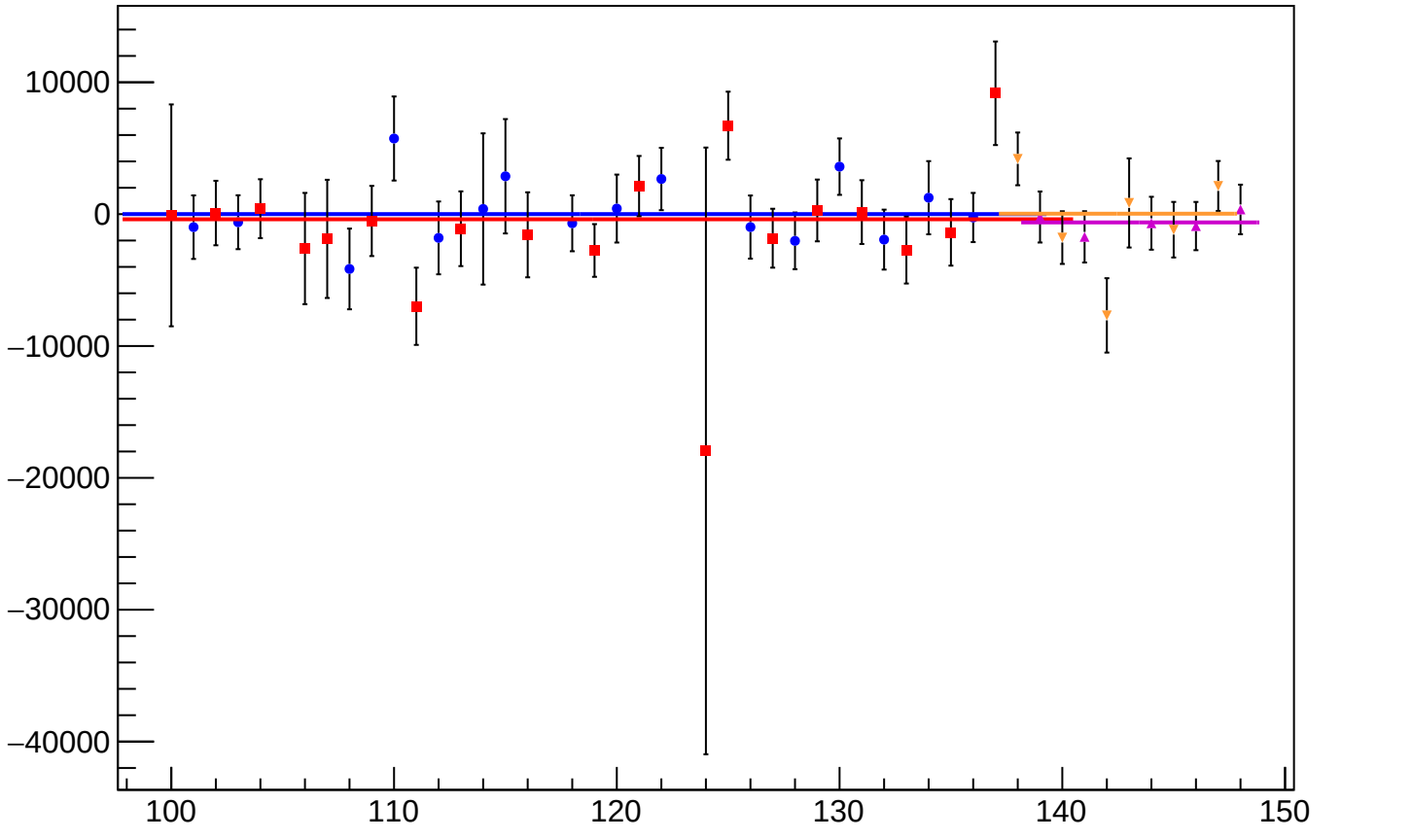
Left: 562.887+/-0.249 χ^2/NDF: 12514685.7/10

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2733.352+/-0.603 χ^2/NDF:2439161.1/20

Out: 413.391+/-0.167 χ^2/NDF:17352926.9/24

All: 579.537+/-0.161 χ^2/NDF: 33538196.3/45



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.656+/-906.196 χ^2/NDF:14.2/5

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -626.539+/-856.861 χ^2/NDF:0.7/4

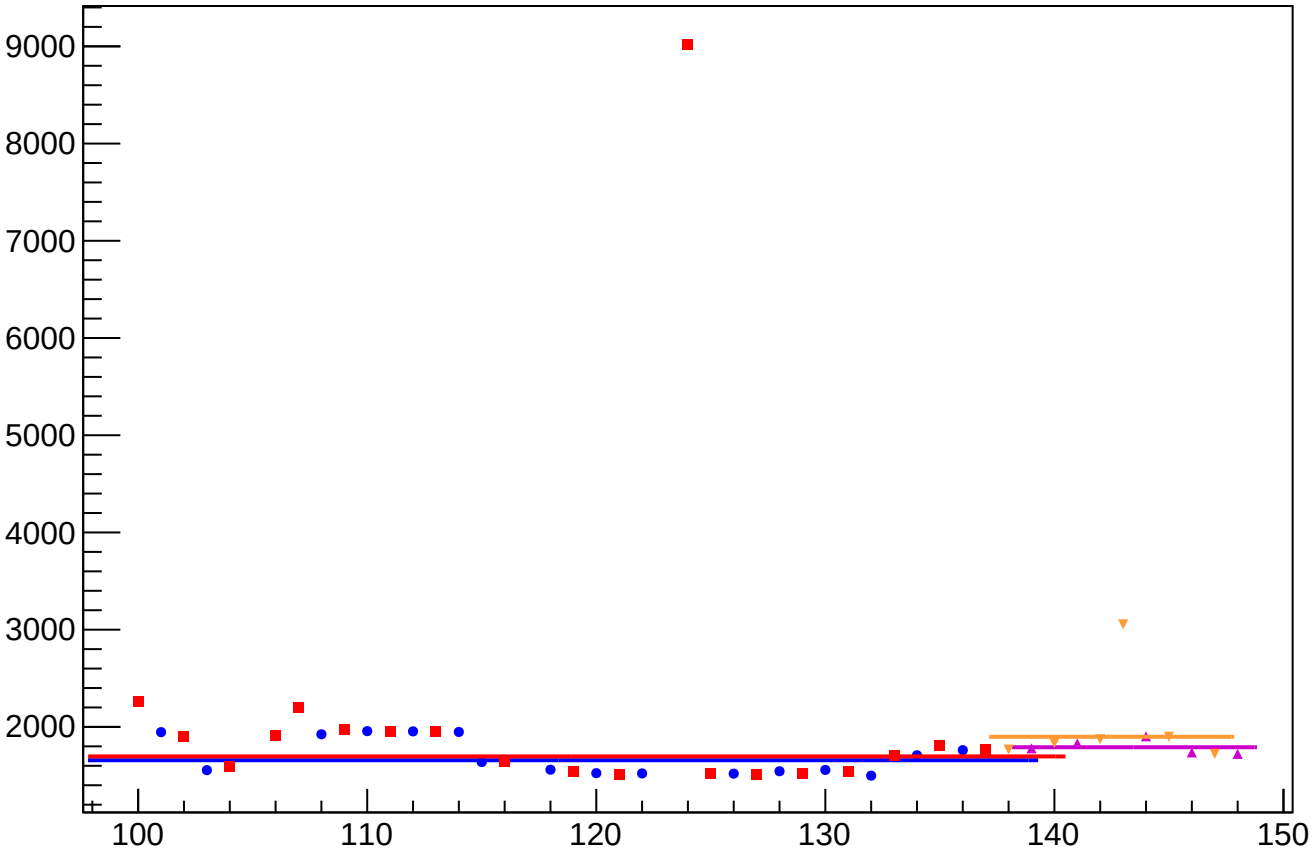
Left: -314.901+/-622.603 χ^2/NDF: 15.2/10

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -212.442+/-502.249 χ^2/NDF:13.5/20

Out: -250.233+/-519.312 χ^2/NDF:38.4/24

All: -230.707+/-361.025 χ^2/NDF: 51.9/45



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

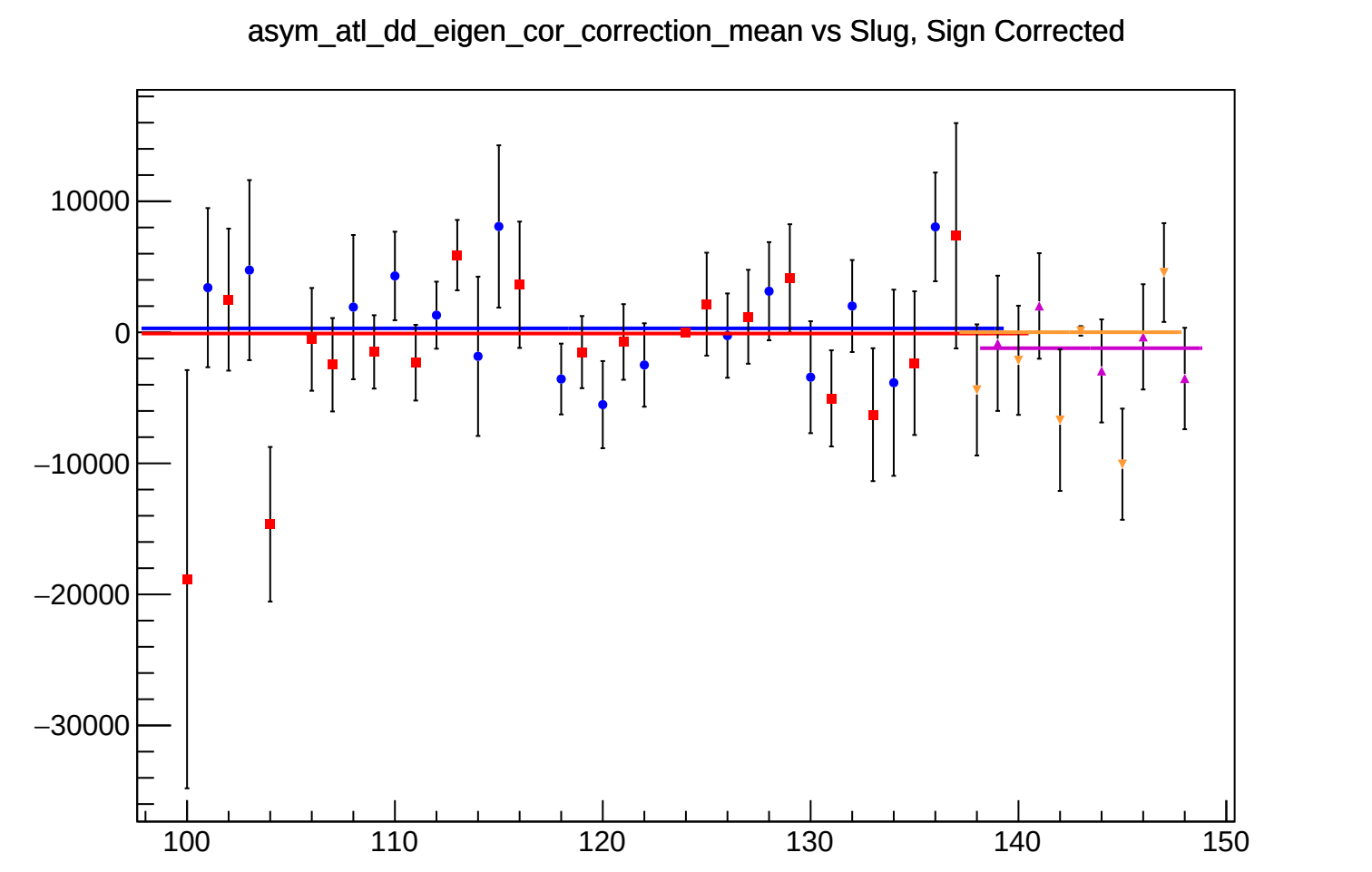
Left: 1841.737+/-0.440 χ^2/NDF: 288249.8/10

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1703.101+/-0.355 χ^2/NDF:187494.9/20

Out: 1762.443+/-0.366 χ^2/NDF:716842.9/24

All: 1731.864+/-0.255 χ^2/NDF: 917870.7/45



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 9.112+/-358.029 χ^2/NDF:9.8/5

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1210.752+/-1848.748 χ^2/NDF:1.2/4

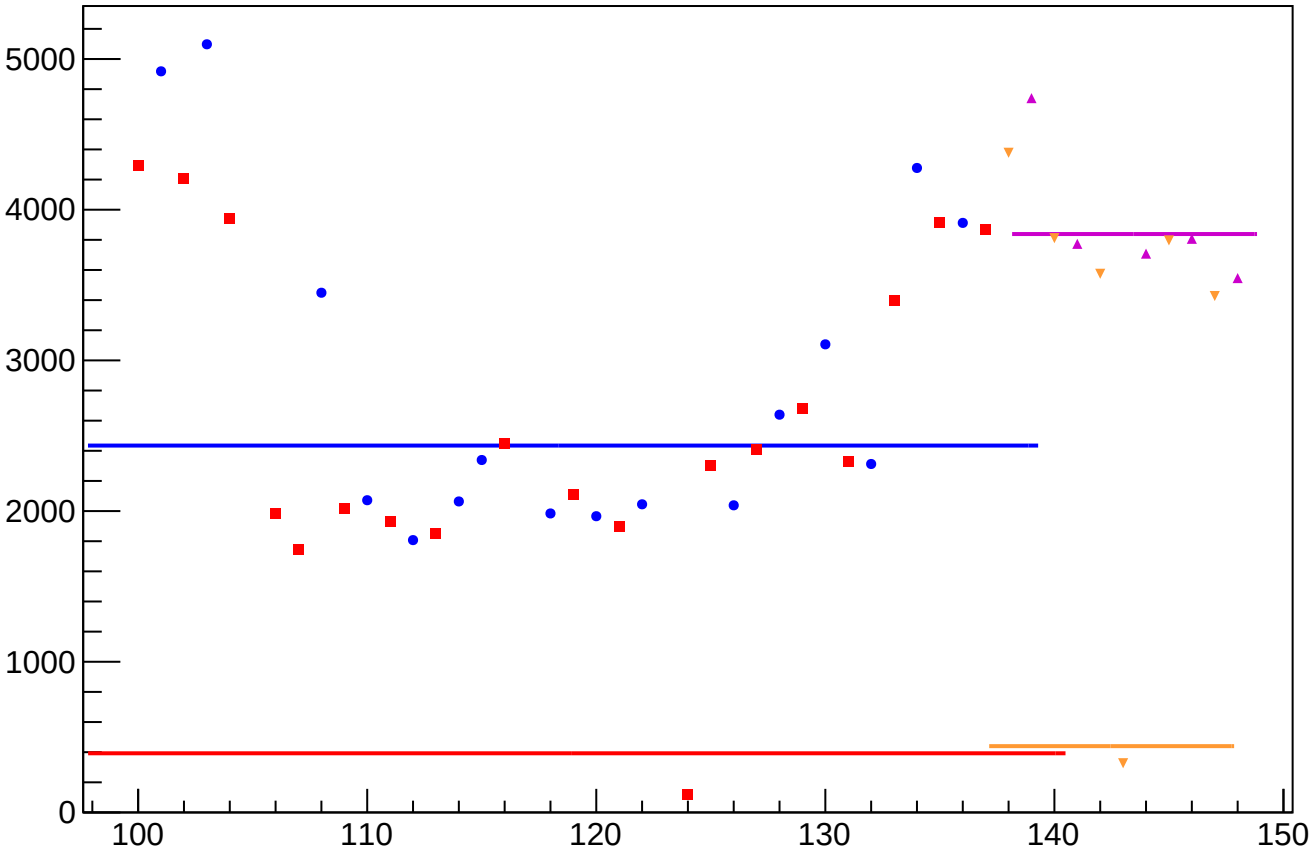
Left: -34.984+/-351.498 χ^2/NDF: 11.4/10

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -19.901+/-852.648 χ^2/NDF:17.1/20

Out: -47.899+/-236.816 χ^2/NDF:30.4/24

All: -45.894+/-228.179 χ^2/NDF: 47.5/45



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 440.036+/-0.253 χ^2/NDF:5925226.9/5

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

Left: 562.887+/-0.249 χ^2/NDF: 12514685.7/10

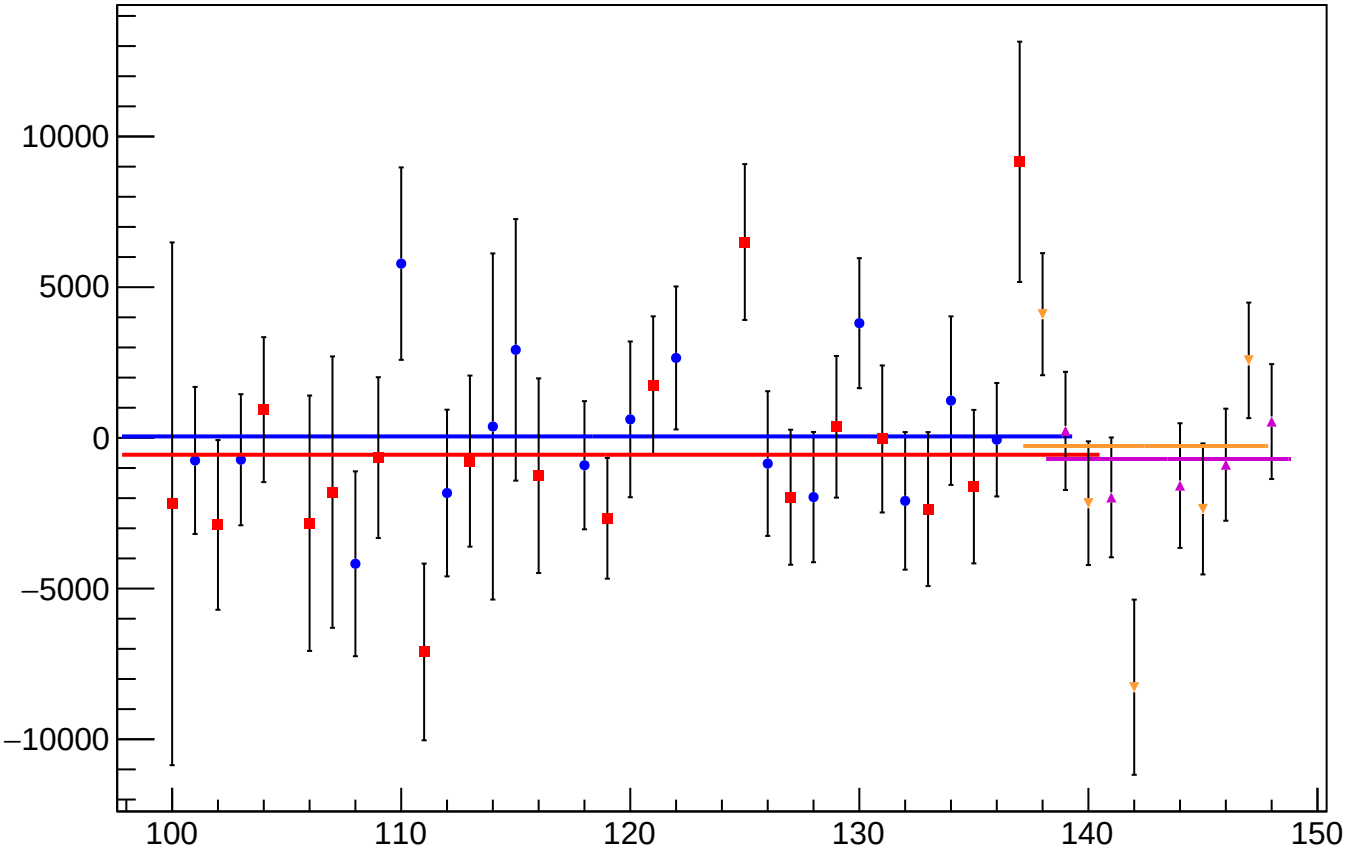
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2733.352+/-0.603 χ^2/NDF:2439161.1/20

Out: 413.391+/-0.167 χ^2/NDF:17352926.9/24

All: 579.537+/-0.161 χ^2/NDF: 33538196.3/45

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -270.086+/-960.887 χ^2/NDF:16.2/4

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -699.713+/-873.161 χ^2/NDF:1.3/4

Left: -505.403+/-646.212 χ^2/NDF: 17.6/9

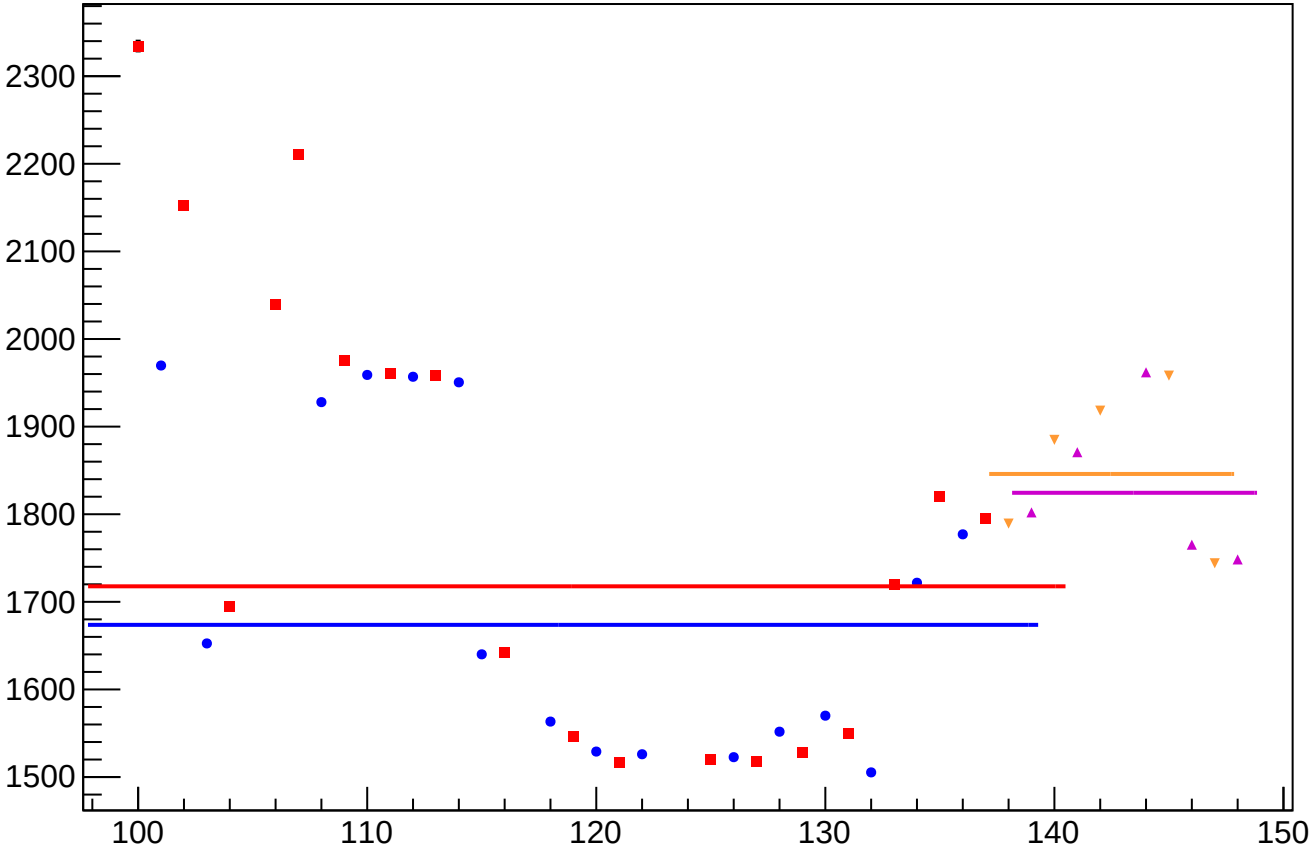
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -205.708+/-508.840 χ^2/NDF:14.6/20

Out: -469.614+/-535.702 χ^2/NDF:39.6/22

All: -330.878+/-368.935 χ^2/NDF: 54.2/43

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1845.962+/-0.679 χ^2/NDF:14509.0/4

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1824.466+/-0.617 χ^2/NDF:15406.5/4

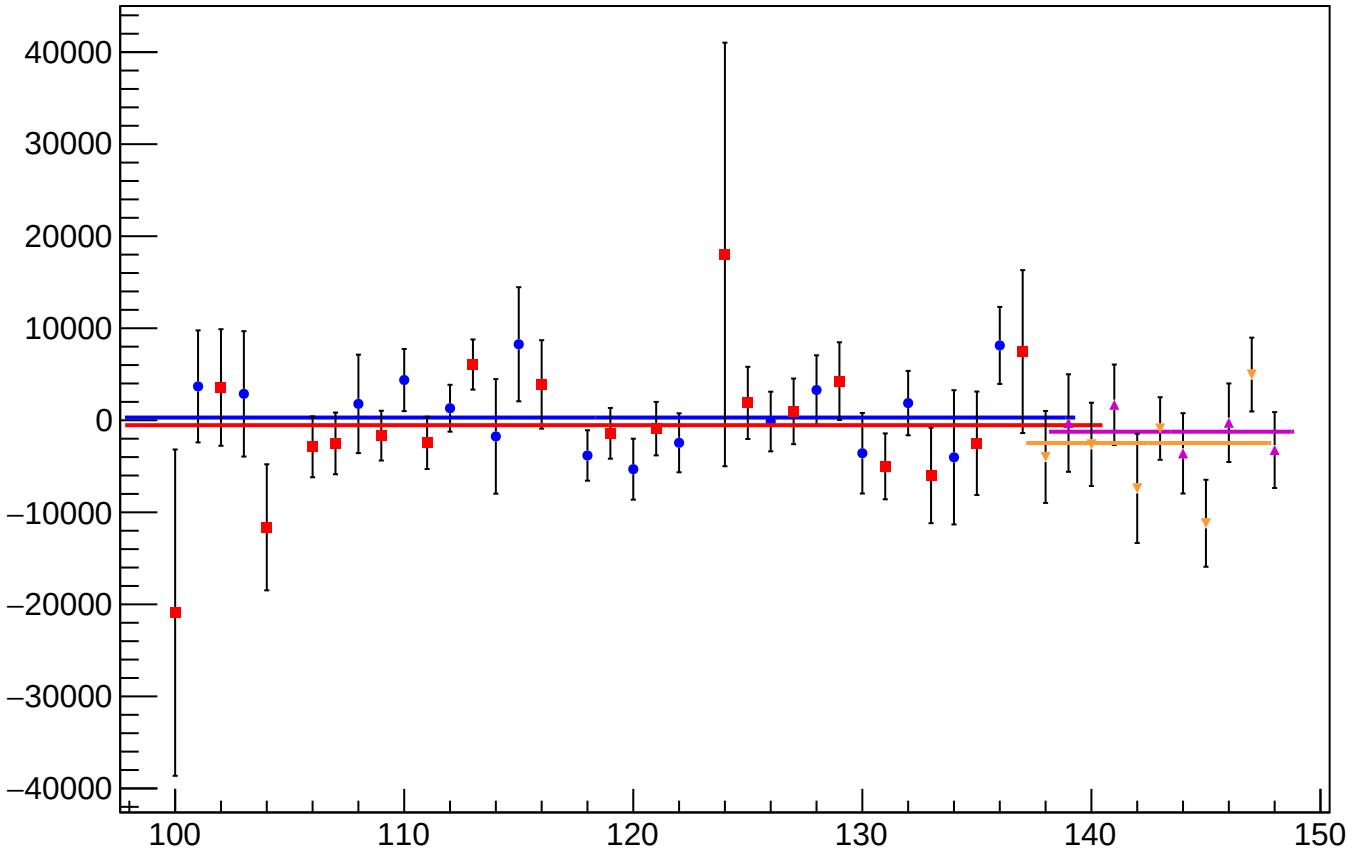
Left: 1834.188+/-0.457 χ^2/NDF: 30463.7/9

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1724.920+/-0.360 χ^2/NDF:195642.8/20

Out: 1757.448+/-0.378 χ^2/NDF:266740.6/22

All: 1740.374+/-0.261 χ^2/NDF: 466266.4/43



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2467.767+/-1793.878 χ^2/NDF:7.8/5

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1240.260+/-1983.003 χ^2/NDF:1.1/4

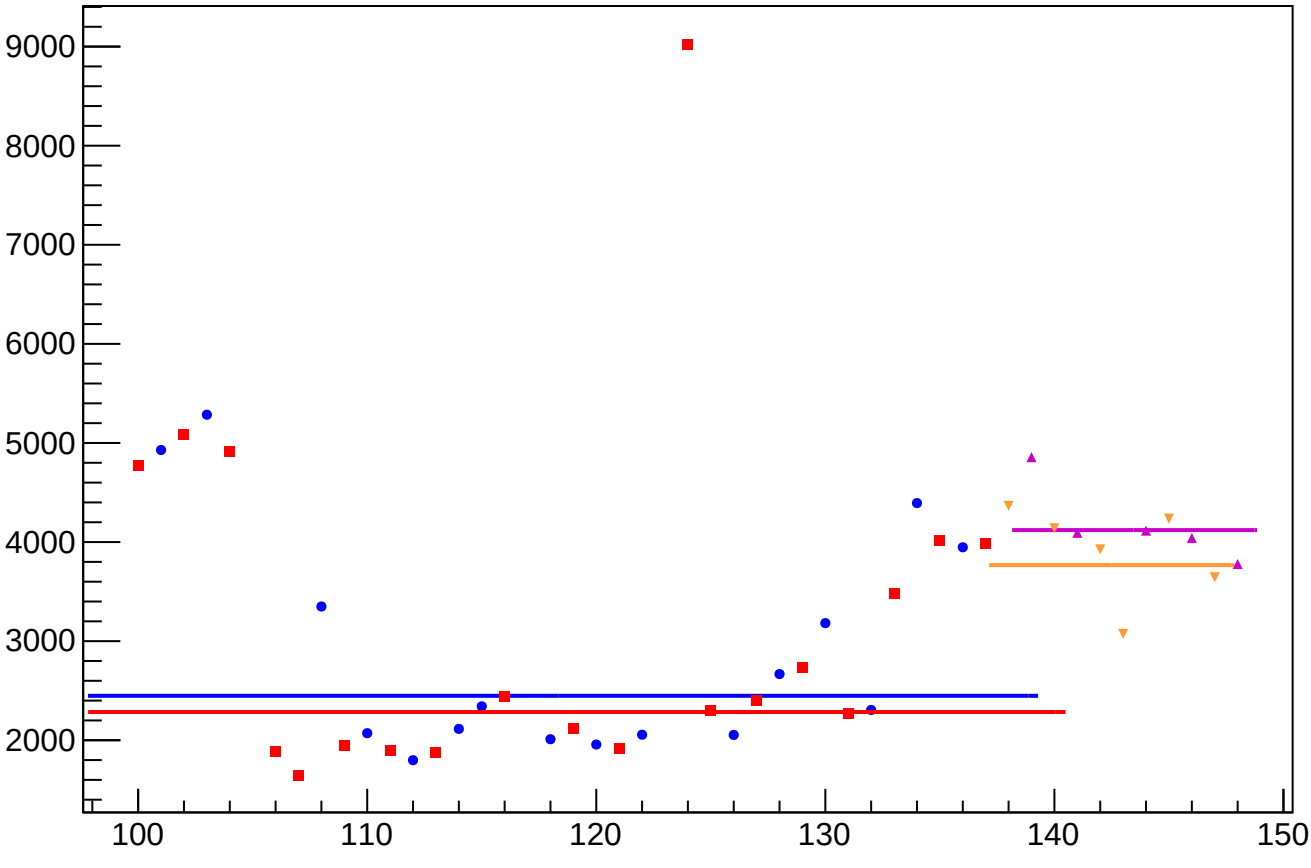
Left: -1915.327+/-1330.314 χ^2/NDF: 9.1/10

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 2.427+/-867.476 χ^2/NDF:16.8/20

Out: -909.410+/-792.926 χ^2/NDF:27.5/24

All: -494.350+/-585.268 χ^2/NDF: 45.0/45



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3767.368+/-1.268 χ^2/NDF:148425.0/5

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4120.884+/-1.402 χ^2/NDF:53146.4/4

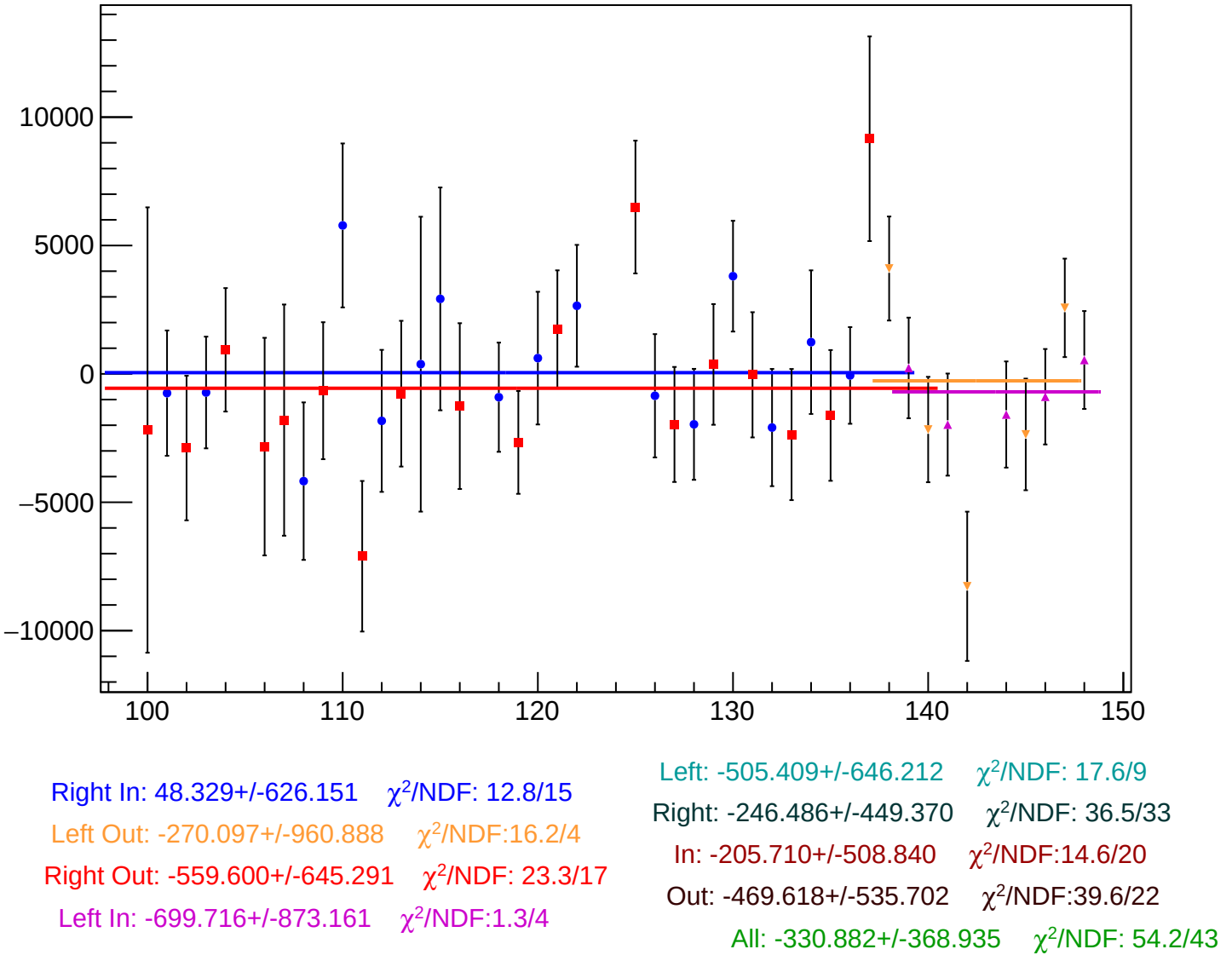
Left: 3926.468+/-0.941 χ^2/NDF: 236527.6/10

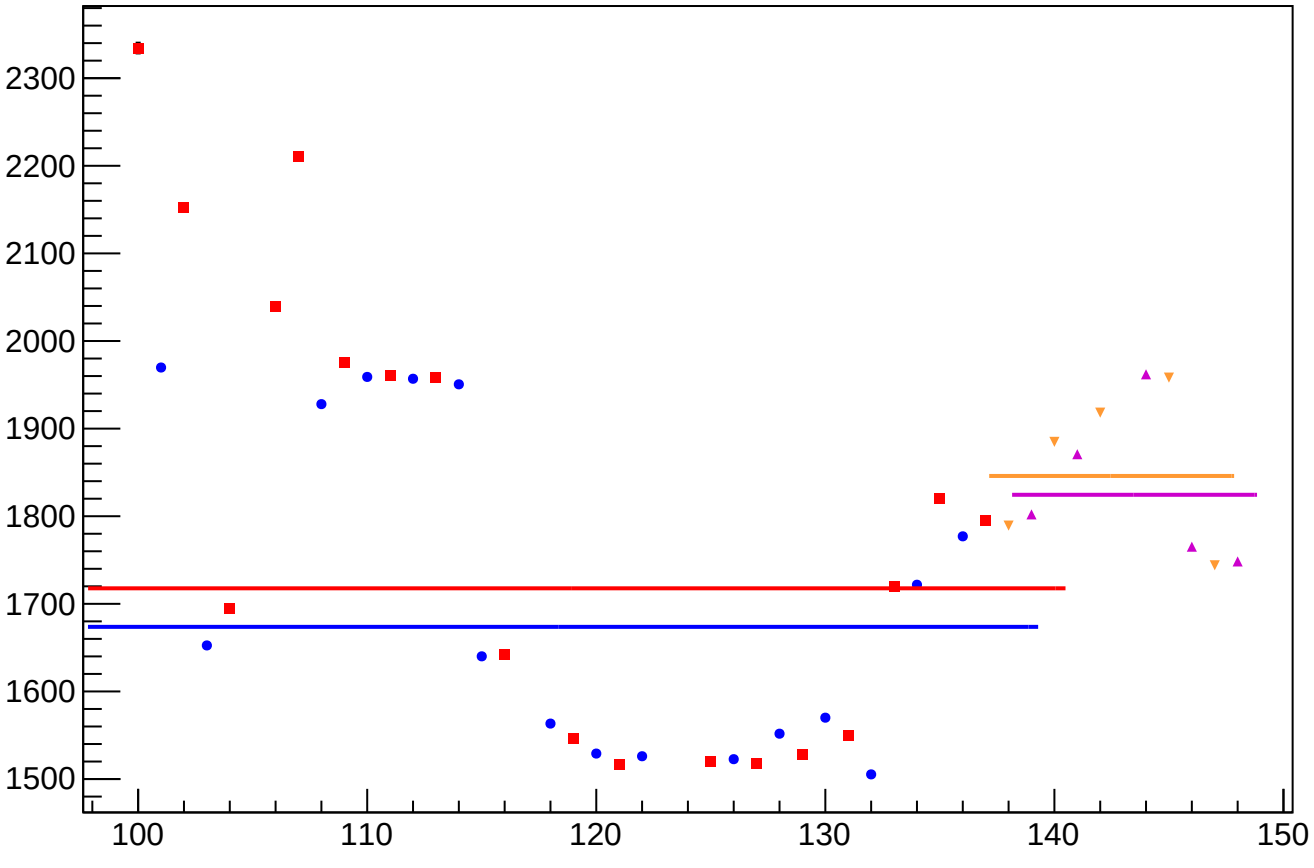
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2768.619+/-0.613 χ^2/NDF:2720884.9/20

Out: 2574.685+/-0.561 χ^2/NDF:2796006.4/24

All: 2662.962+/-0.414 χ^2/NDF: 5571350.5/45


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: -270.097+/-960.888 χ²/NDF:16.2/4
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -699.716+/-873.161 χ²/NDF:1.3/4
Left: -505.409+/-646.212 χ²/NDF: 17.6/9
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -205.710+/-508.840 χ²/NDF:14.6/20
Out: -469.618+/-535.702 χ²/NDF:39.6/22
All: -330.882+/-368.935 χ²/NDF: 54.2/43



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1845.963+/-0.679 χ^2/NDF:14509.3/4

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1824.467+/-0.617 χ^2/NDF:15406.7/4

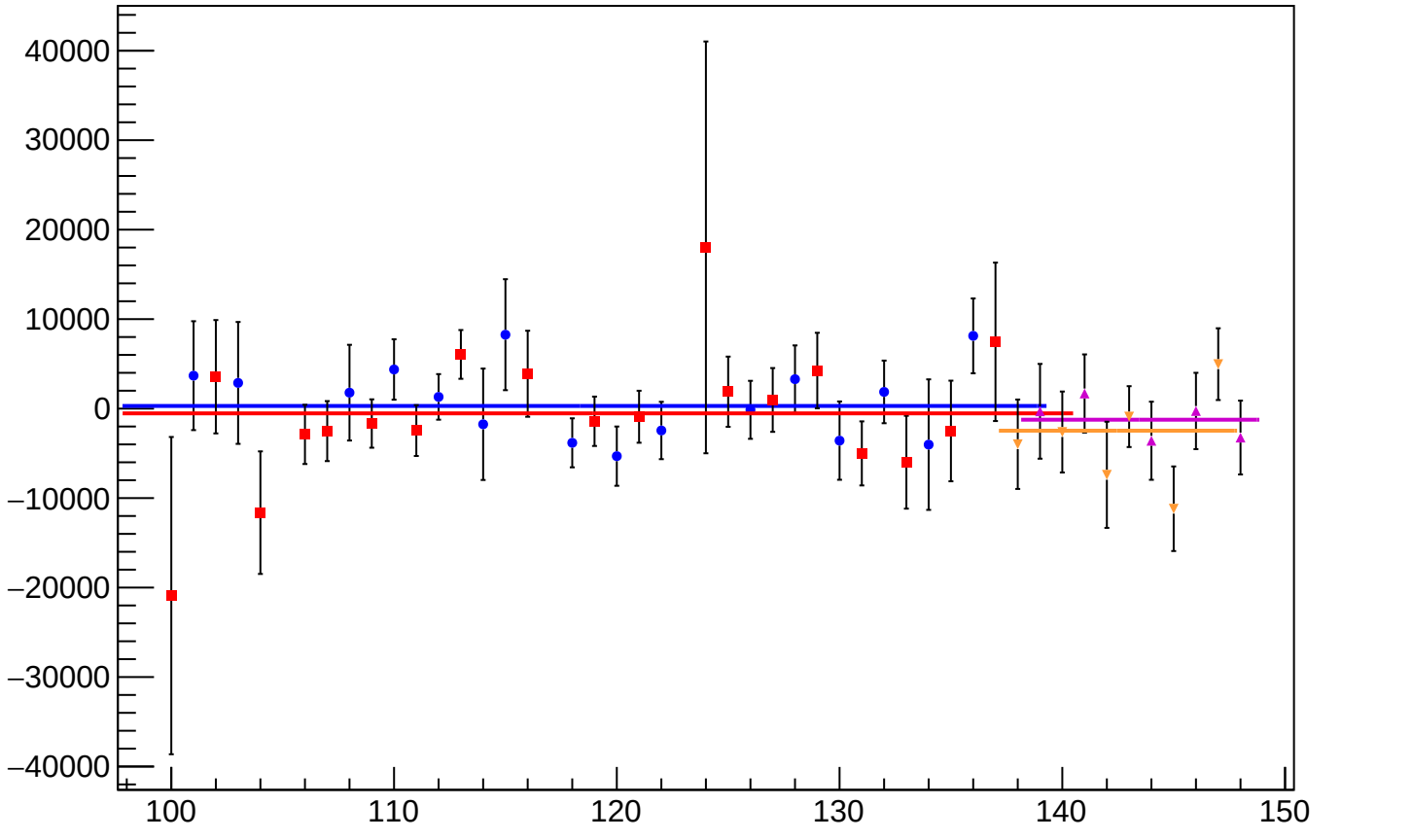
Left: 1834.189+/-0.457 χ^2/NDF: 30464.3/9

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1724.920+/-0.360 χ^2/NDF:195643.5/20

Out: 1757.448+/-0.378 χ^2/NDF:266740.6/22

All: 1740.374+/-0.261 χ^2/NDF: 466267.2/43



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -2467.765+/-1793.881 χ^2/NDF:7.8/5

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1240.262+/-1983.006 χ^2/NDF:1.1/4

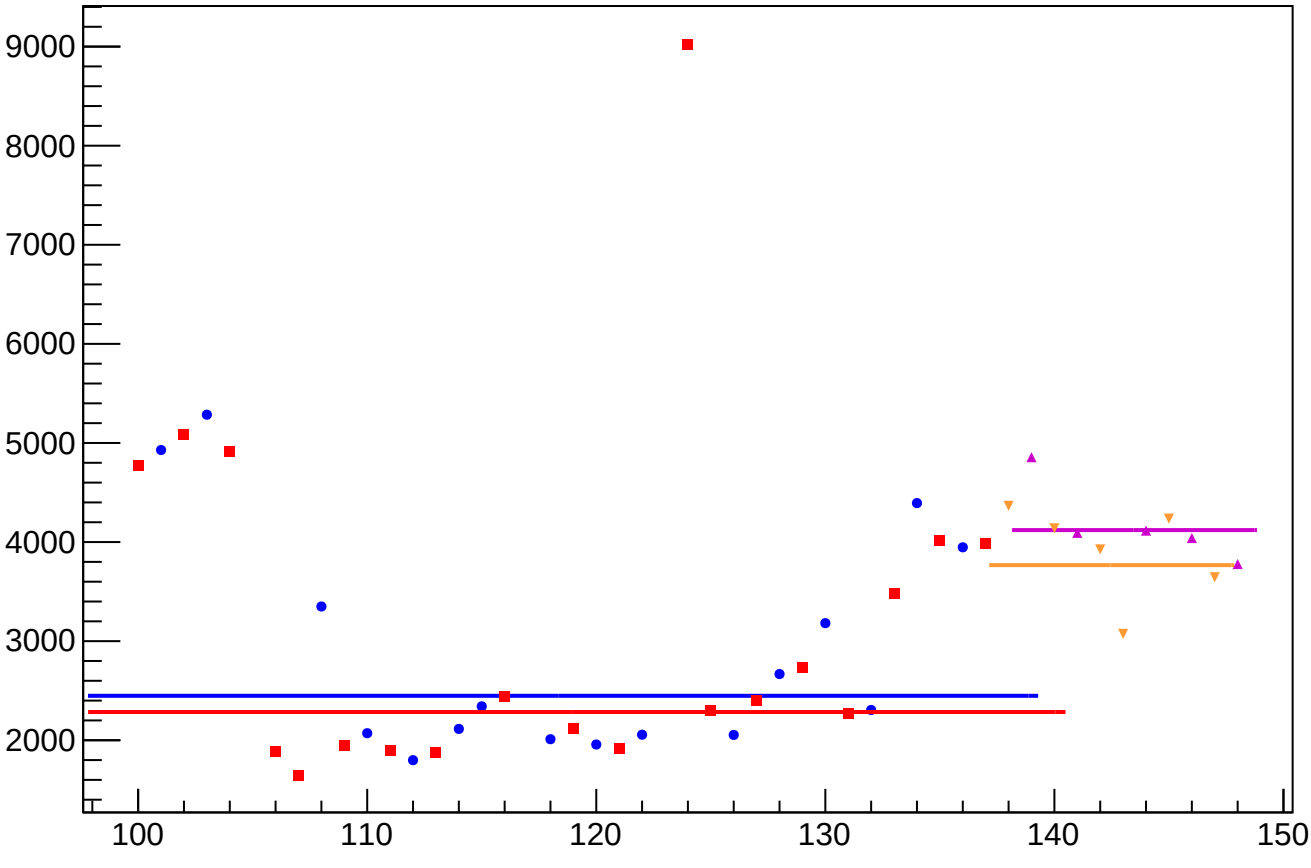
Left: -1915.327+/-1330.316 χ^2/NDF: 9.1/10

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 2.425+/-867.474 χ^2/NDF:16.8/20

Out: -909.408+/-792.924 χ^2/NDF:27.5/24

All: -494.350+/-585.266 χ^2/NDF: 45.0/45



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3767.373+/-1.268 χ^2/NDF:148428.0/5

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4120.890+/-1.402 χ^2/NDF:53148.0/4

Left: 3926.474+/-0.941 χ^2/NDF: 236532.3/10

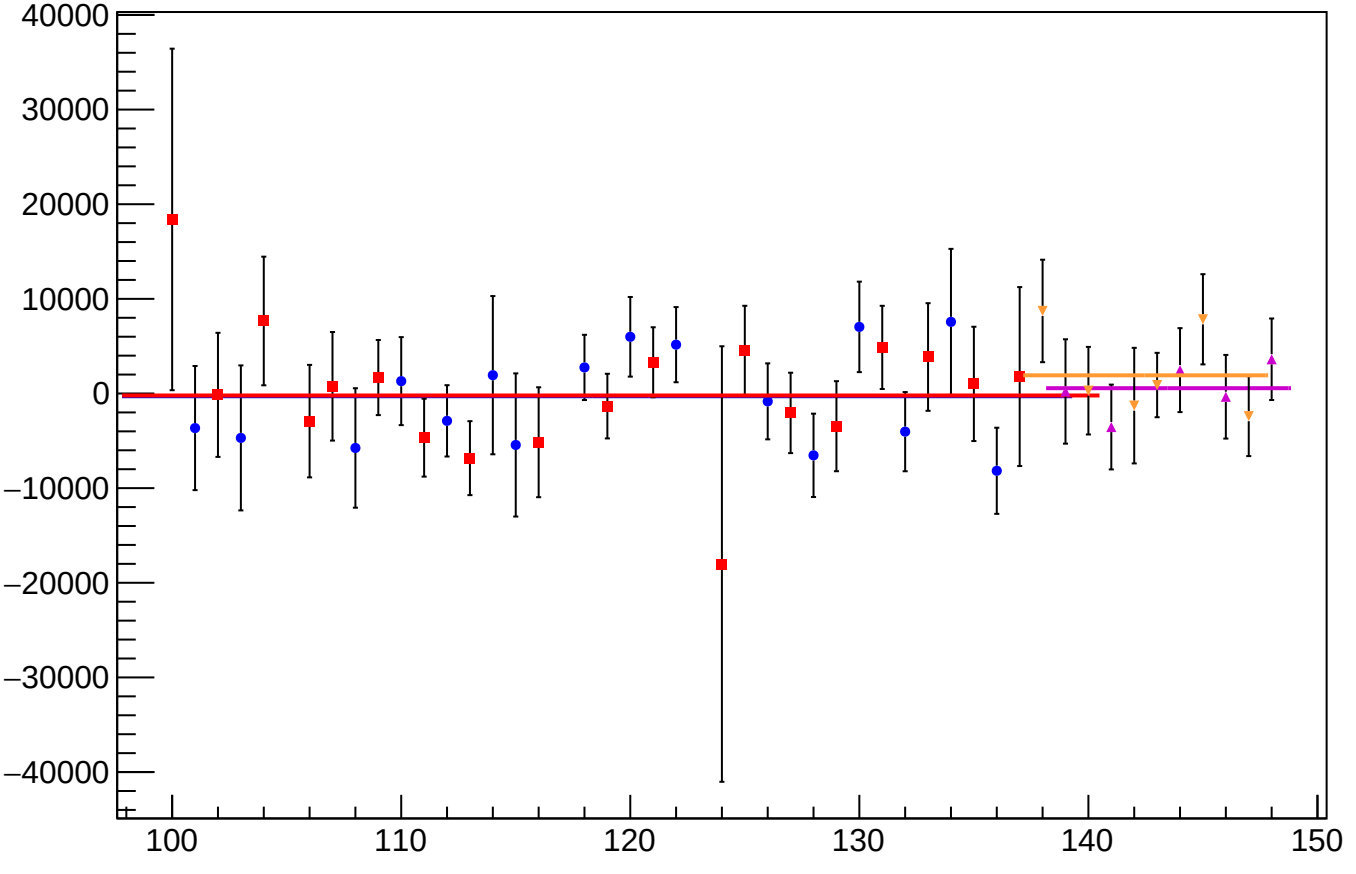
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2768.609+/-0.613 χ^2/NDF:2720921.2/20

Out: 2574.676+/-0.561 χ^2/NDF:2796036.6/24

All: 2662.953+/-0.414 χ^2/NDF: 5571416.1/45

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1920.851+/-1843.731 χ^2/NDF:4.7/5

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 560.482+/-2047.146 χ^2/NDF:1.6/4

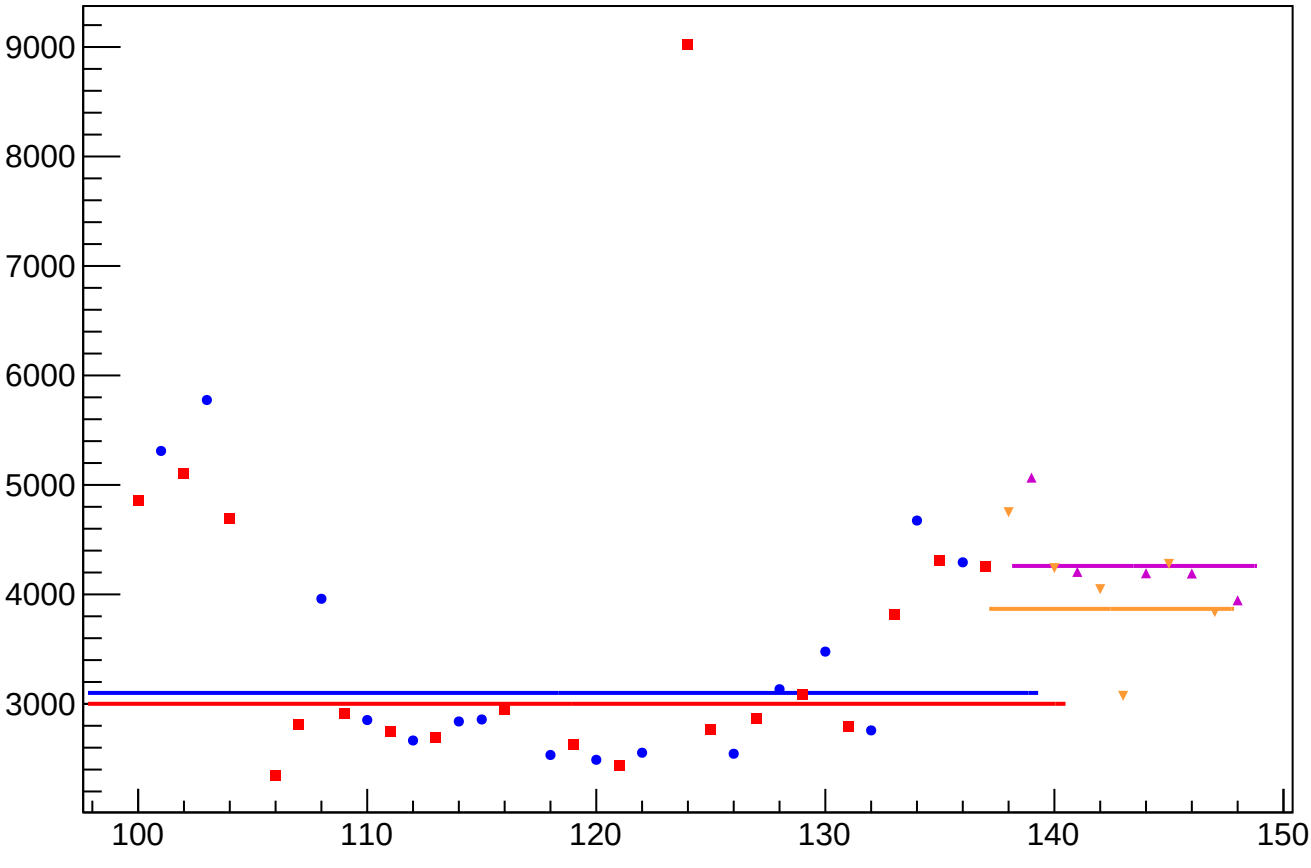
Left: 1311.593+/-1370.002 χ^2/NDF: 6.5/10

Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -71.189+/-1033.539 χ^2/NDF:18.3/20

Out: 389.986+/-978.035 χ^2/NDF:18.5/24

All: 172.114+/-710.387 χ^2/NDF: 36.9/45



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3867.886+/-1.304 χ^2/NDF:191893.8/5

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4260.038+/-1.448 χ^2/NDF:54647.6/4

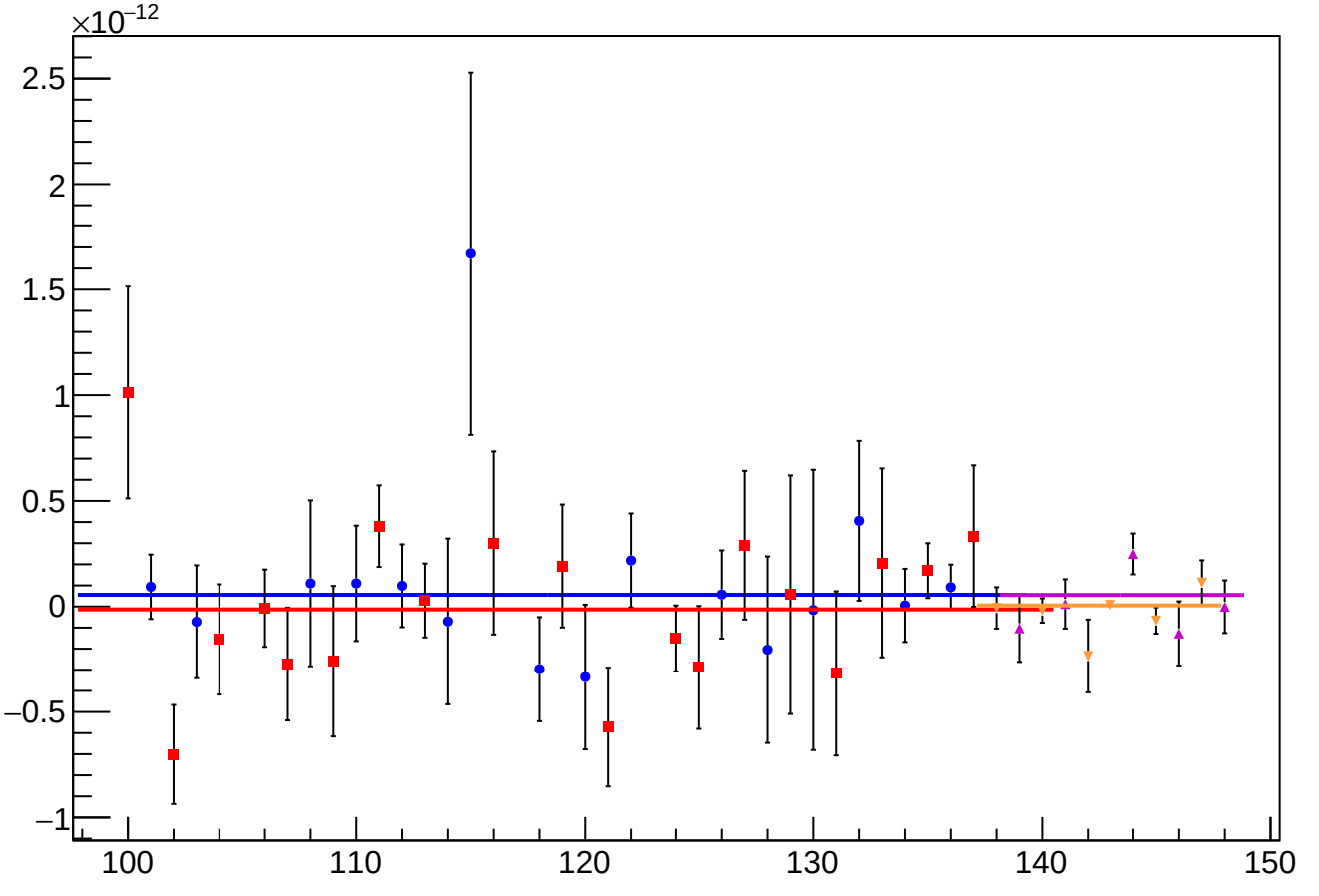
Left: 4043.516+/-0.969 χ^2/NDF: 287063.1/10

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3395.784+/-0.731 χ^2/NDF:1496721.9/20

Out: 3240.019+/-0.685 χ^2/NDF:1318819.8/24

All: 3312.846+/-0.500 χ^2/NDF: 2839729.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/4

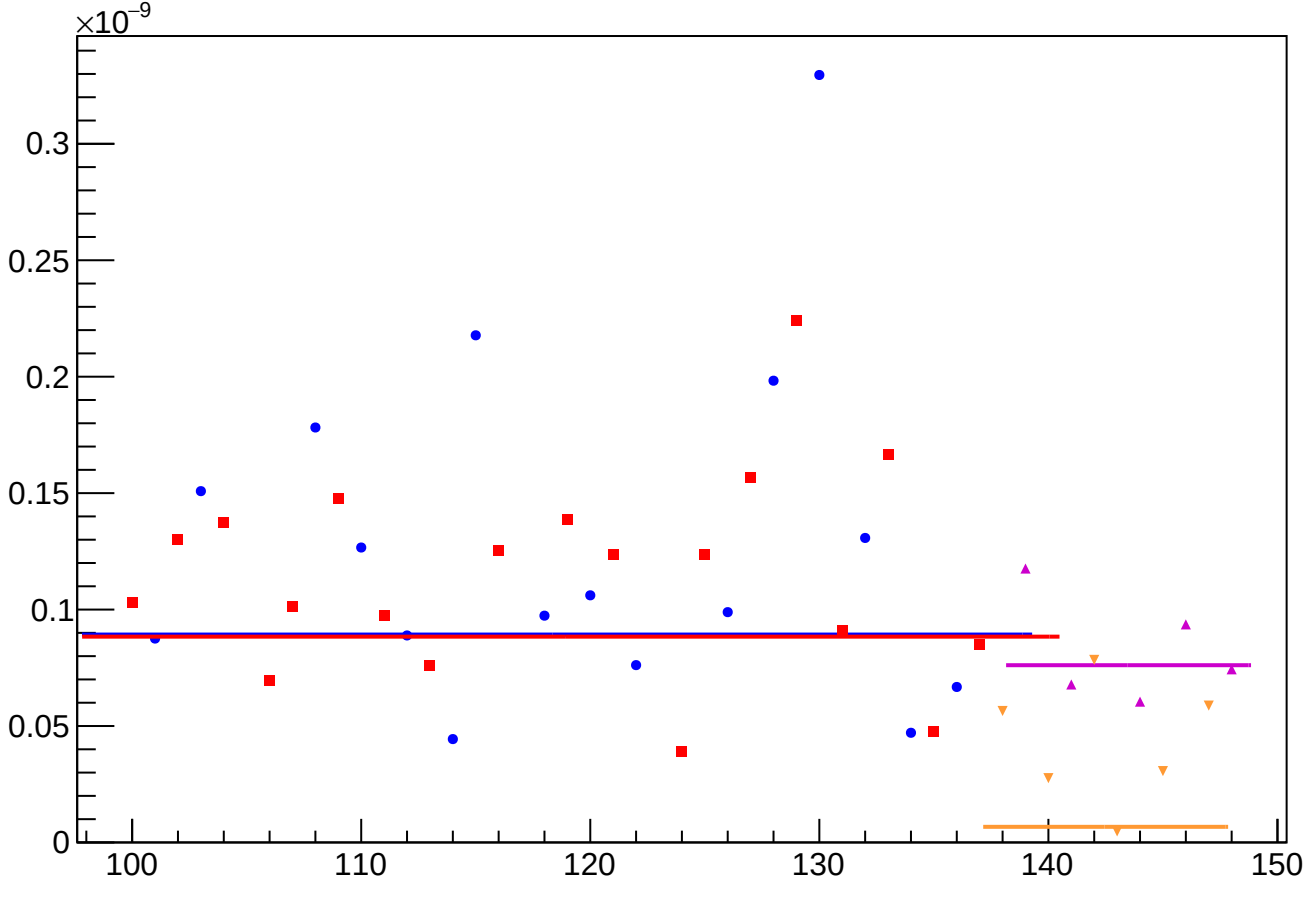
Left: 0.000+/-0.000 χ^2/NDF: 12.1/10

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:16.1/20

Out: 0.000+/-0.000 χ^2/NDF:34.7/24

All: 0.000+/-0.000 χ^2/NDF: 52.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1994901.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:225276.2/4

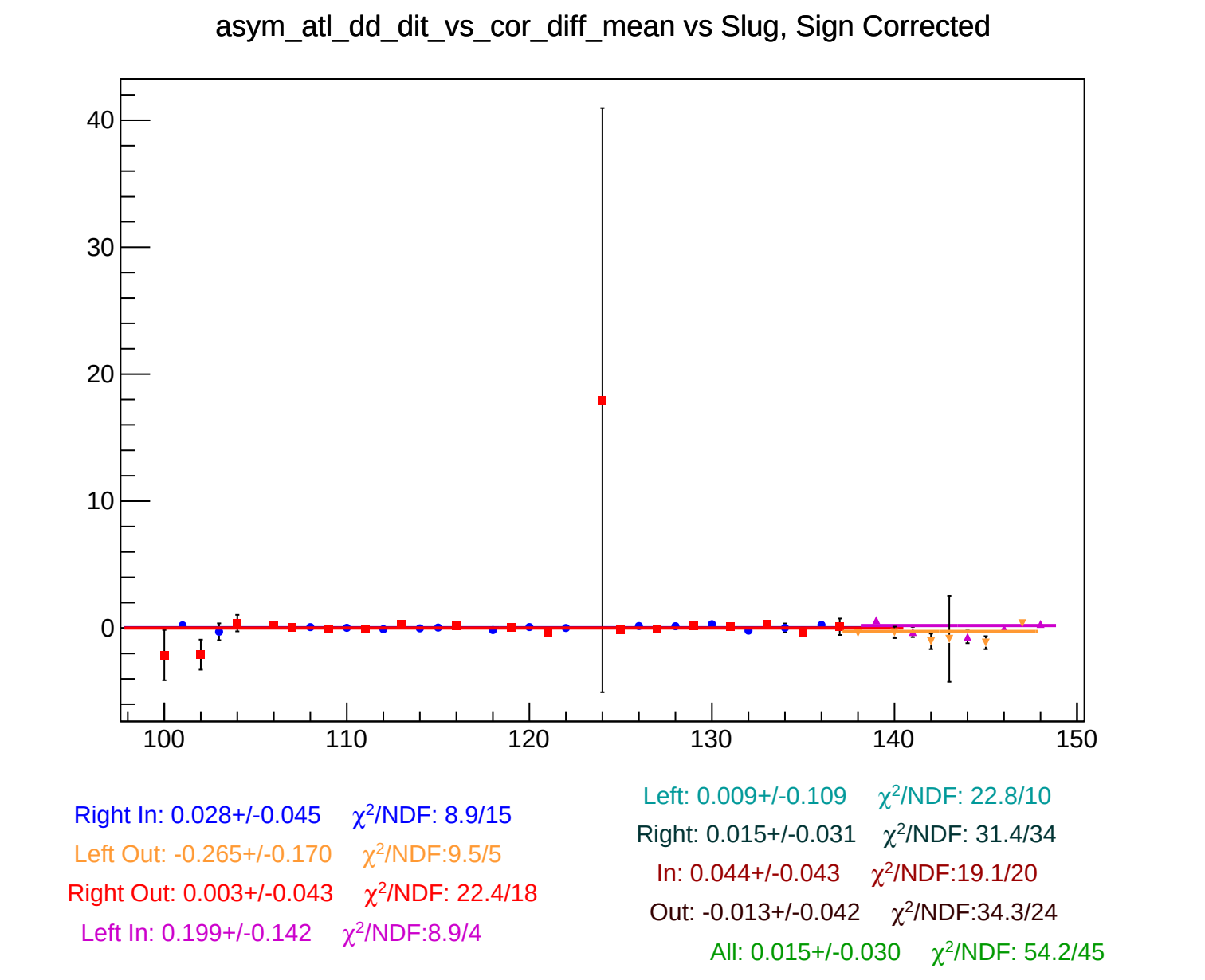
Left: 0.000+/-0.000 χ^2/NDF: 5293838.7/10

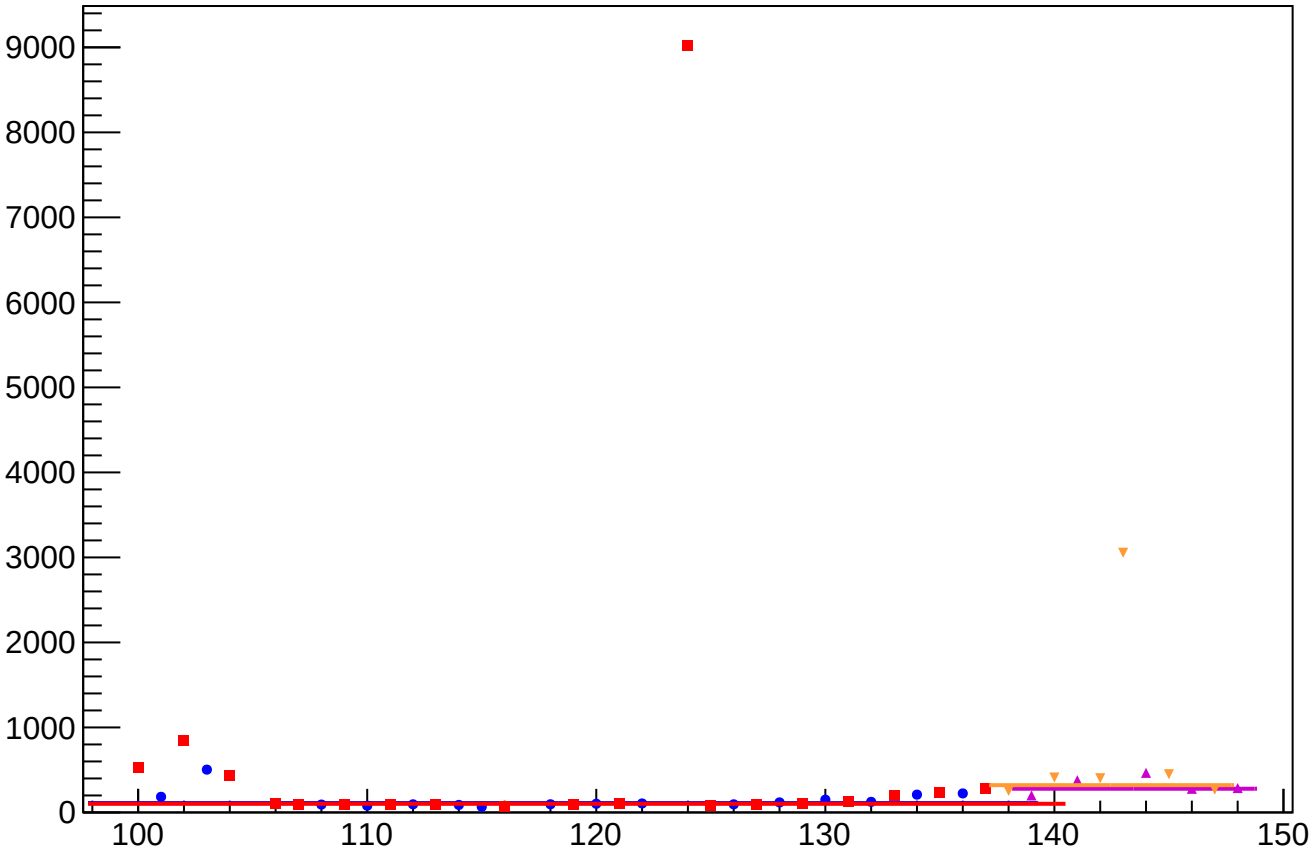
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1230305.9/20

Out: 0.000+/-0.000 χ^2/NDF:7196165.5/24

All: 0.000+/-0.000 χ^2/NDF: 15108242.4/45


asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.028+/-0.045 χ²/NDF: 8.9/15
Left Out: -0.265+/-0.170 χ²/NDF:9.5/5
Right Out: 0.003+/-0.043 χ²/NDF: 22.4/18
Left In: 0.199+/-0.142 χ²/NDF:8.9/4
Left: 0.009+/-0.109 χ²/NDF: 22.8/10
Right: 0.015+/-0.031 χ²/NDF: 31.4/34
In: 0.044+/-0.043 χ²/NDF:19.1/20
Out: -0.013+/-0.042 χ²/NDF:34.3/24
All: 0.015+/-0.030 χ²/NDF: 54.2/45



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 321.051+/-0.120 χ^2/NDF:1719919.0/5

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

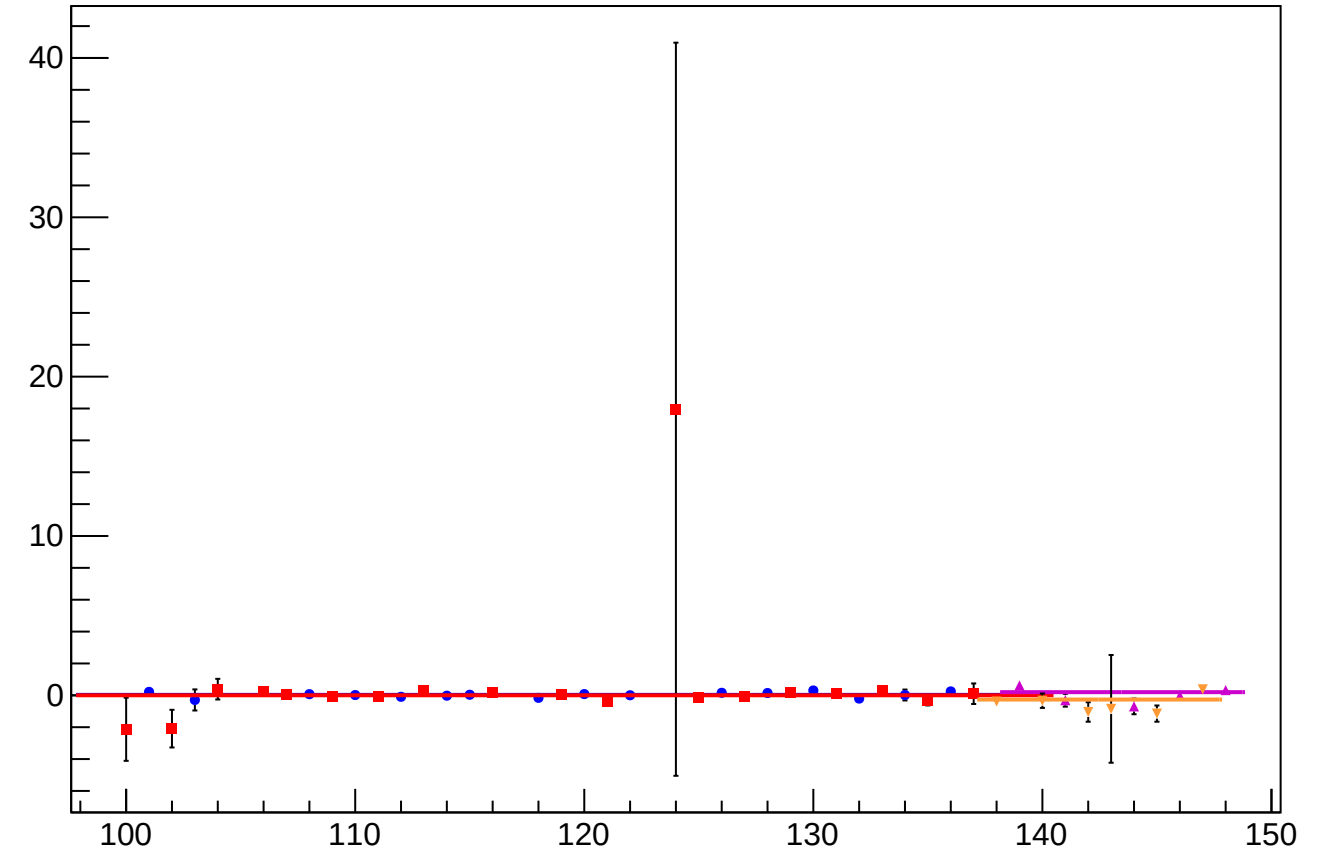
Left: 296.202+/-0.077 χ^2/NDF: 2433210.5/10

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 125.692+/-0.031 χ^2/NDF:5157806.3/20

Out: 115.252+/-0.030 χ^2/NDF:7432758.7/24

All: 120.335+/-0.021 χ^2/NDF: 12650658.3/45



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.199+/-0.142 χ^2/NDF:8.9/4

Left: 0.009+/-0.109 χ^2/NDF: 22.8/10

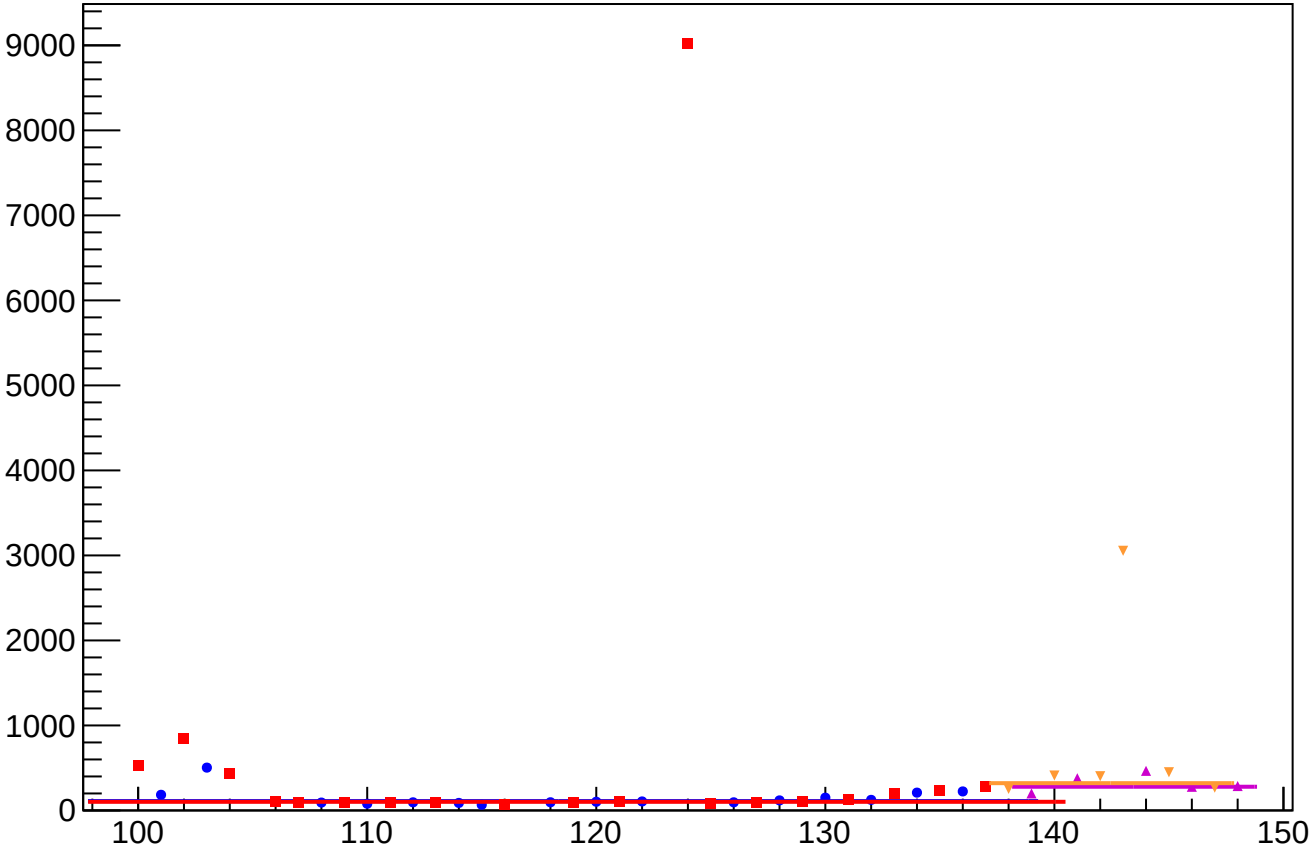
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.015+/-0.030 χ^2/NDF: 54.2/45

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: 321.051+/-0.120 χ^2/NDF:1719919.0/5

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

Left: 296.202+/-0.077 χ^2/NDF: 2433210.5/10

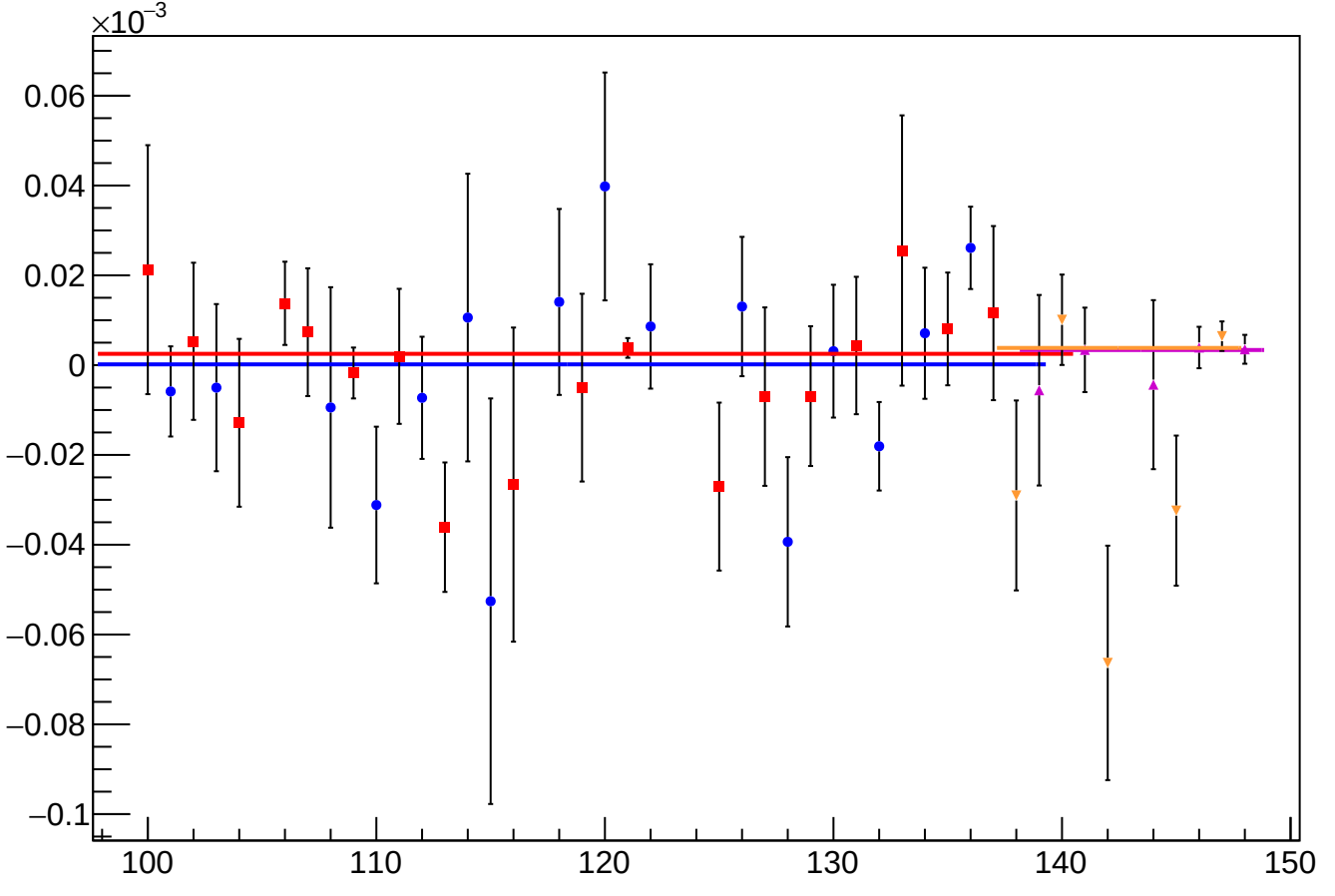
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 125.692+/-0.031 χ^2/NDF:5157806.3/20

Out: 115.252+/-0.030 χ^2/NDF:7432758.7/24

All: 120.335+/-0.021 χ^2/NDF: 12650658.3/45

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/4

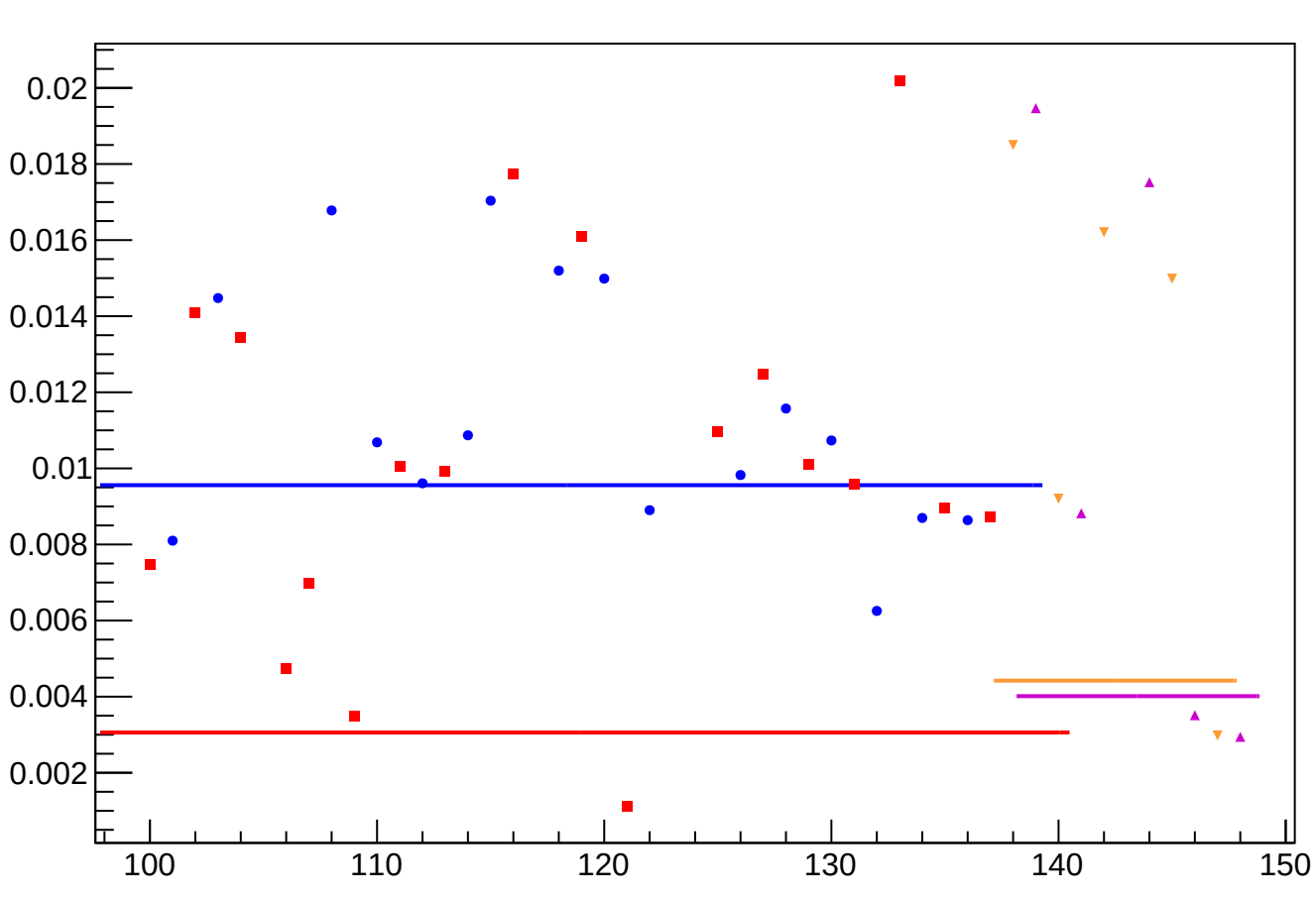
Left: 0.000+/-0.000 χ^2/NDF: 15.7/9

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: 0.000+/-0.000 χ^2/NDF:26.5/20

Out: 0.000+/-0.000 χ^2/NDF:31.3/22

All: 0.000+/-0.000 χ^2/NDF: 57.8/43



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2929635.4/4

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:2858039.7/4

Left: 0.004+/-0.000 χ^2/NDF: 5809390.1/9

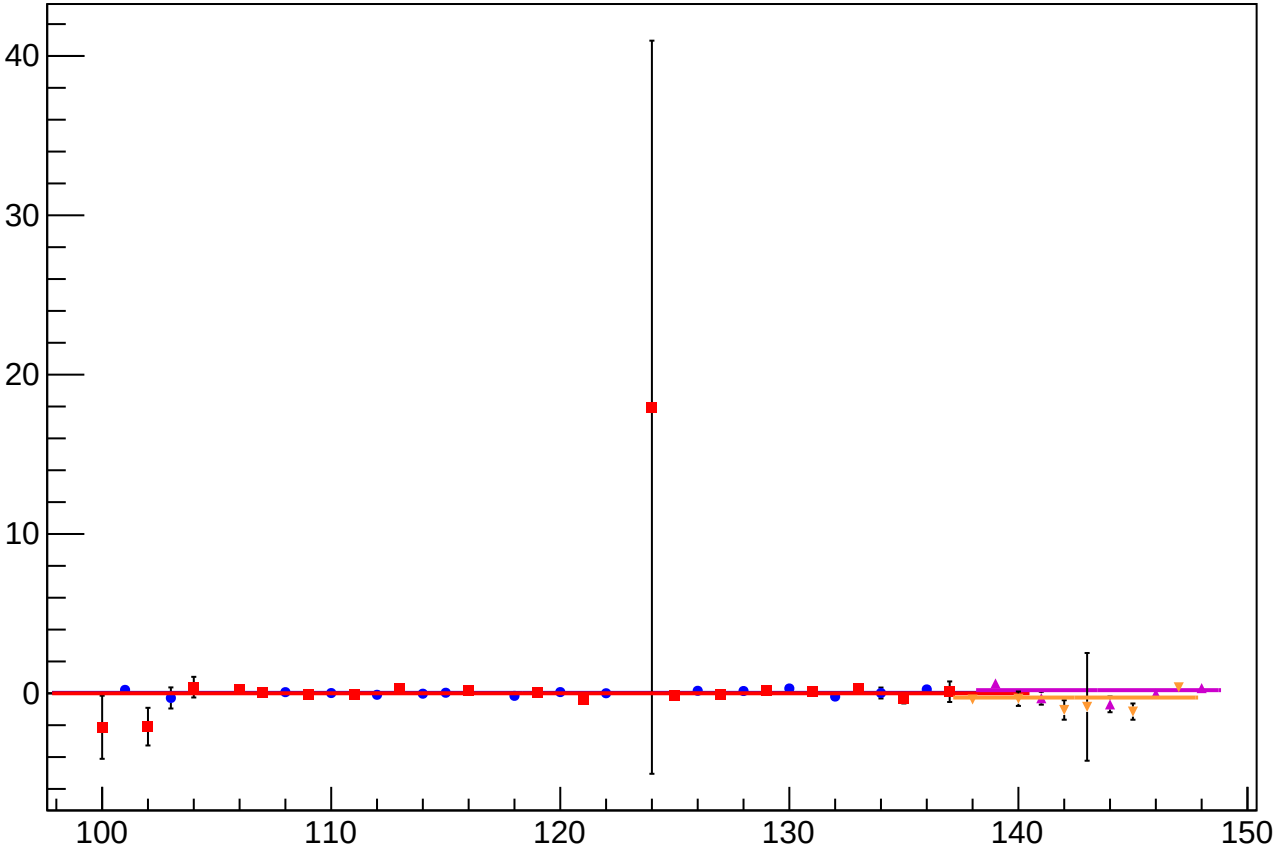
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.006+/-0.000 χ^2/NDF:6833595.2/20

Out: 0.003+/-0.000 χ^2/NDF:11351064.2/22

All: 0.004+/-0.000 χ^2/NDF: 19760060.4/43

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.199+/-0.142 χ^2/NDF:8.9/4

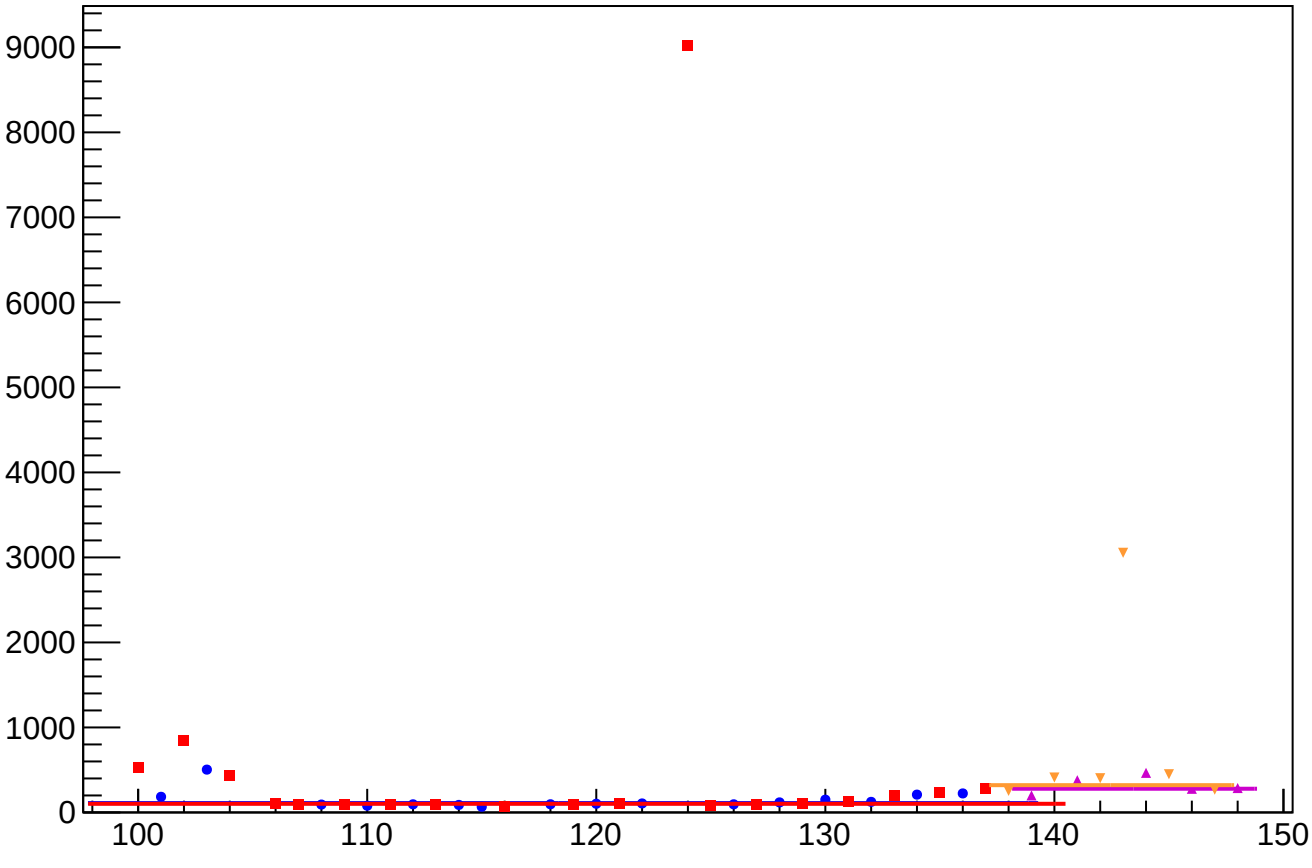
Left: 0.009+/-0.109 χ^2/NDF: 22.8/10

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.015+/-0.030 χ^2/NDF: 54.2/45



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 321.053+/-0.120 χ^2/NDF:1719940.4/5

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

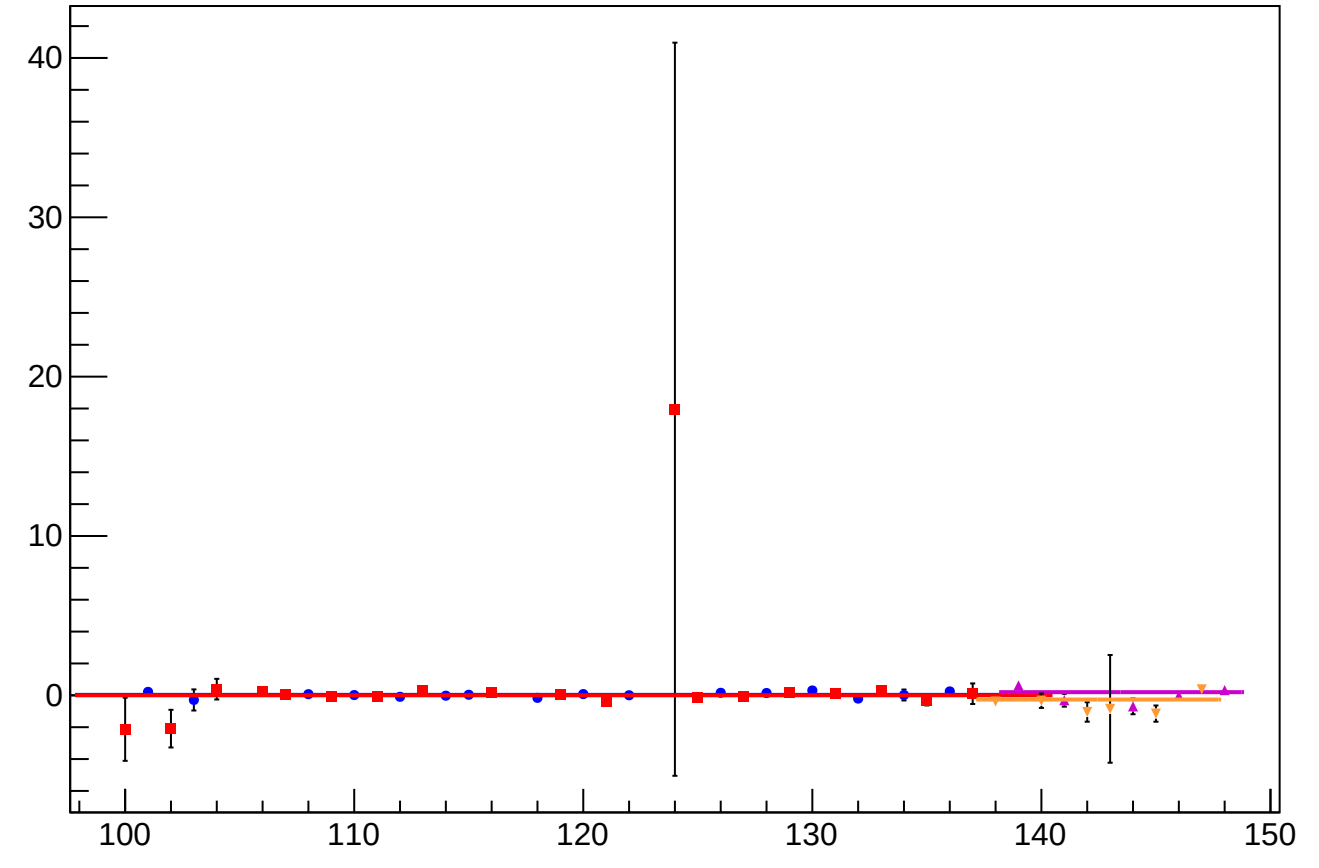
Left: 296.206+/-0.077 χ^2/NDF: 2433196.0/10

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 125.693+/-0.031 χ^2/NDF:5157752.3/20

Out: 115.254+/-0.030 χ^2/NDF:7432680.6/24

All: 120.336+/-0.021 χ^2/NDF: 12650521.1/45



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.199+/-0.142 χ^2/NDF:8.9/4

Left: 0.009+/-0.109 χ^2/NDF: 22.8/10

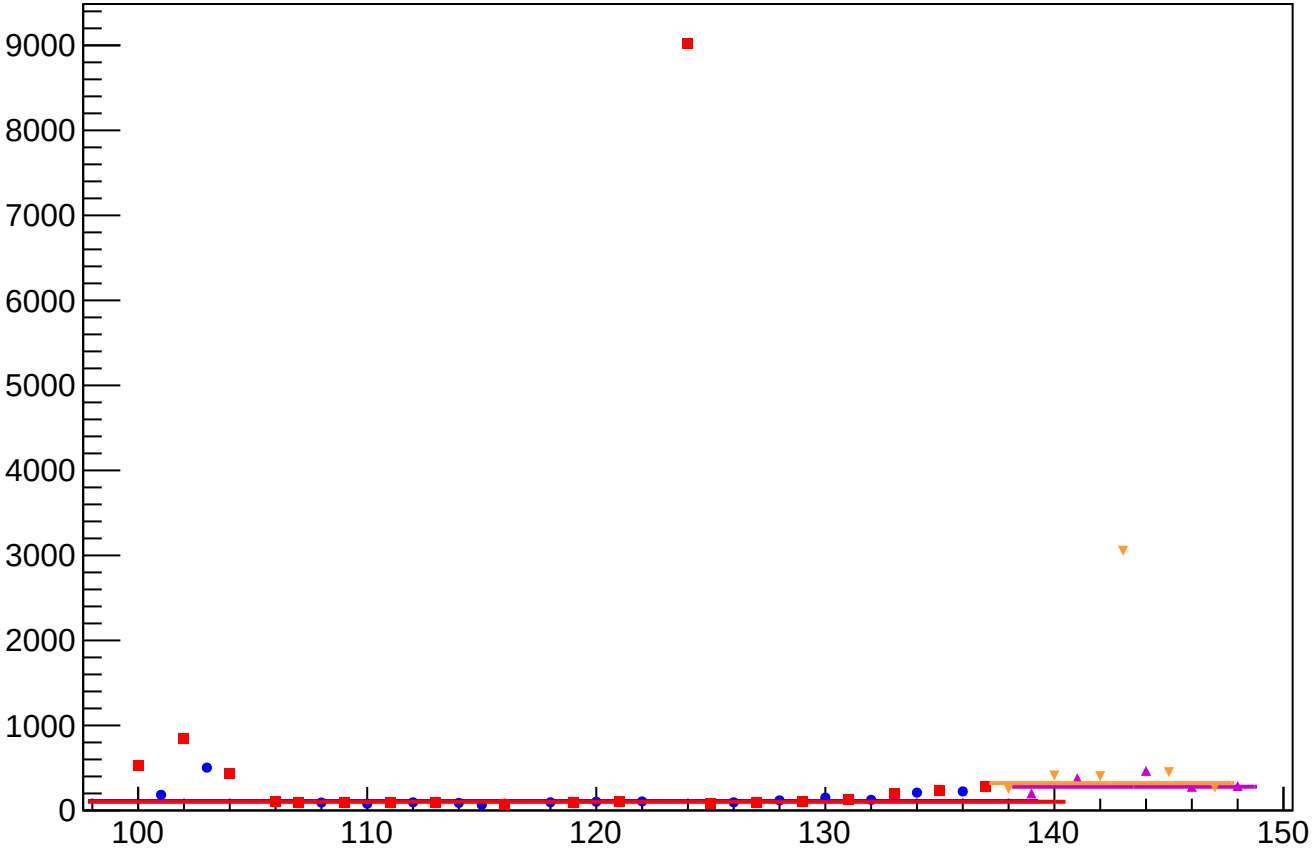
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.015+/-0.030 χ^2/NDF: 54.2/45

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: 321.053+/-0.120 χ^2/NDF:1719940.4/5

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

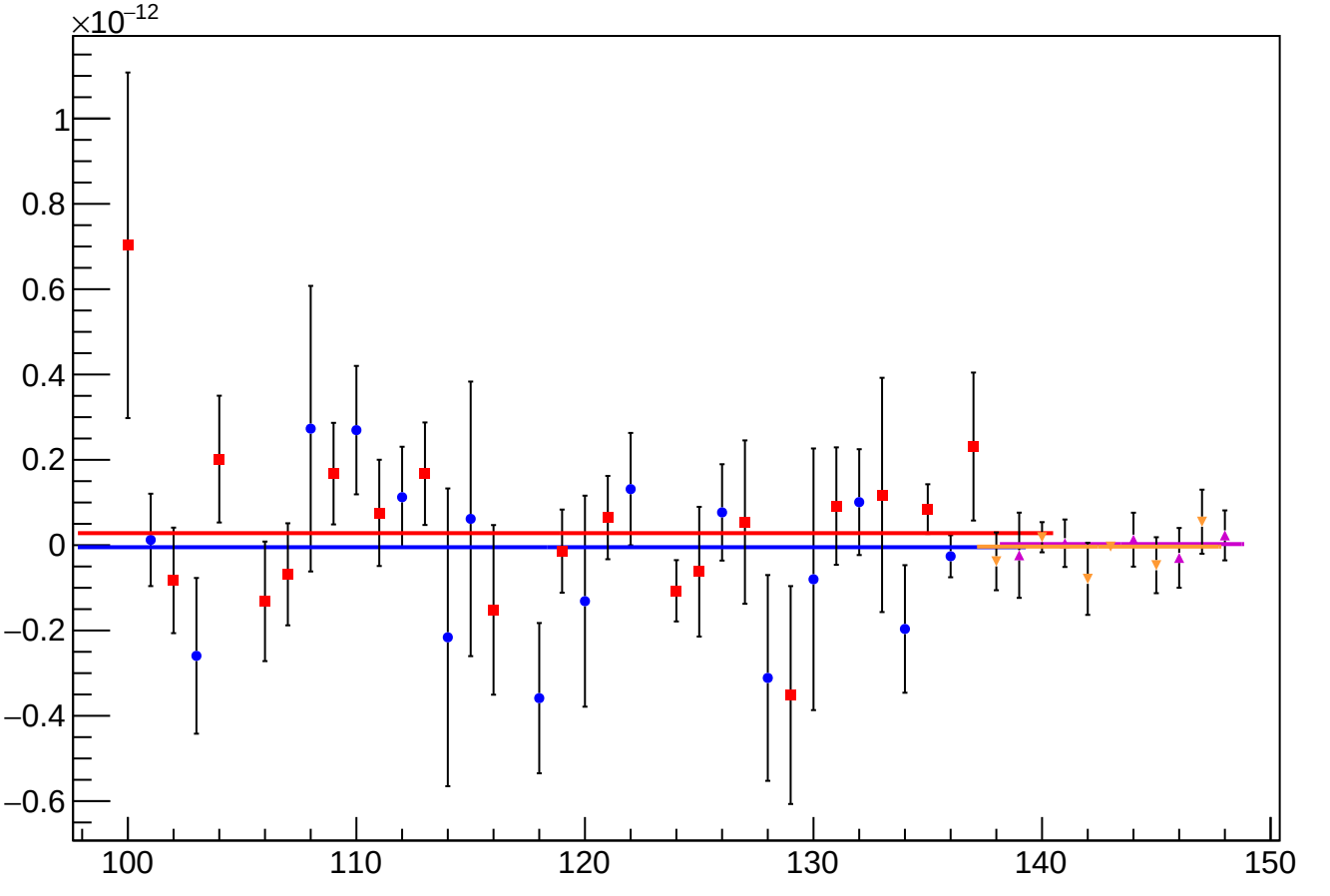
Left: 296.206+/-0.077 χ^2/NDF: 2433196.0/10

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 125.693+/-0.031 χ^2/NDF:5157752.3/20

Out: 115.254+/-0.030 χ^2/NDF:7432680.6/24

All: 120.336+/-0.021 χ^2/NDF: 12650521.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/4

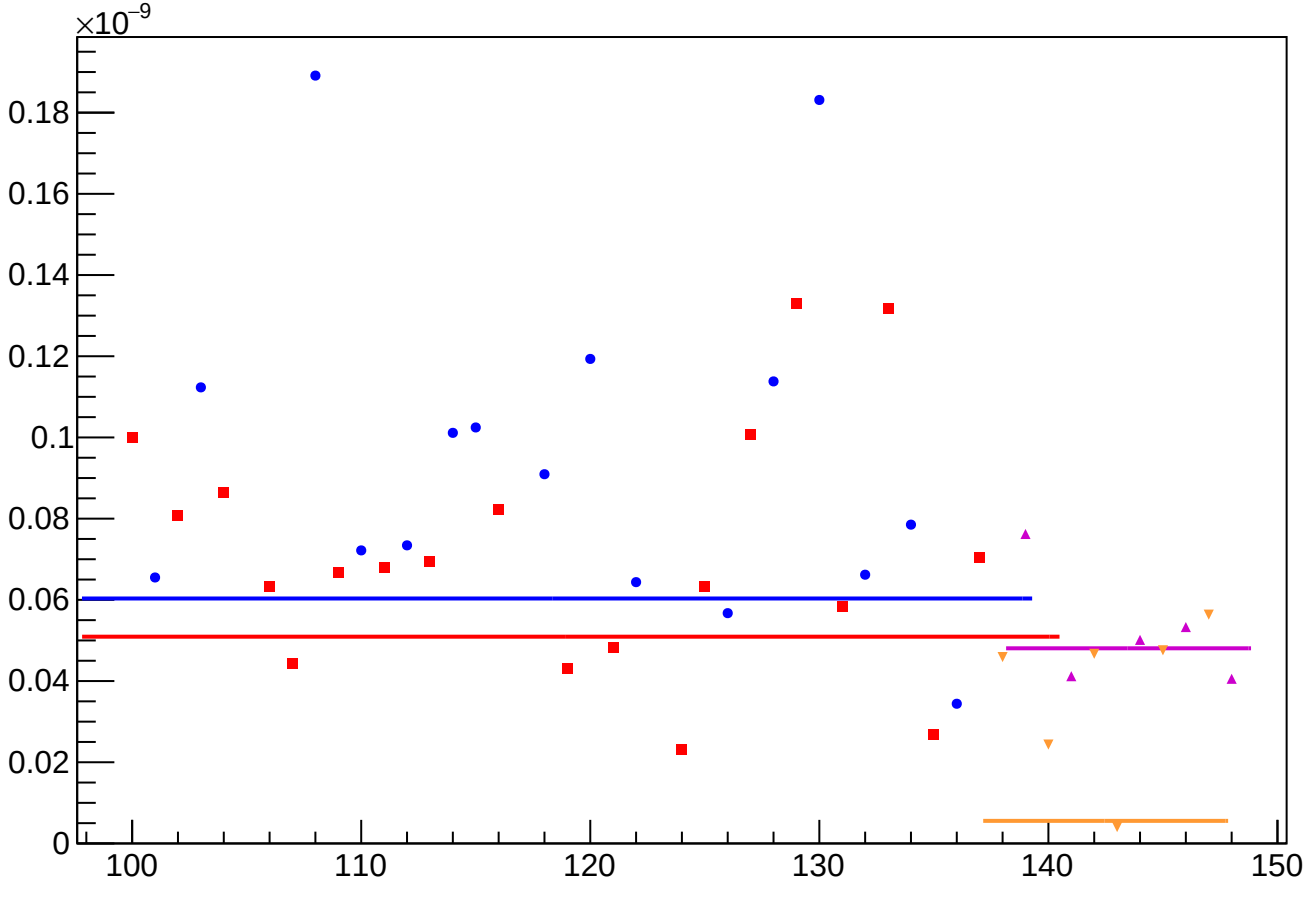
Left: -0.000+/-0.000 χ^2/NDF: 3.0/10

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:18.0/20

Out: -0.000+/-0.000 χ^2/NDF:23.4/24

All: -0.000+/-0.000 χ^2/NDF: 41.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3631884.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:235763.2/4

Left: 0.000+/-0.000 χ^2/NDF: 7949270.3/10

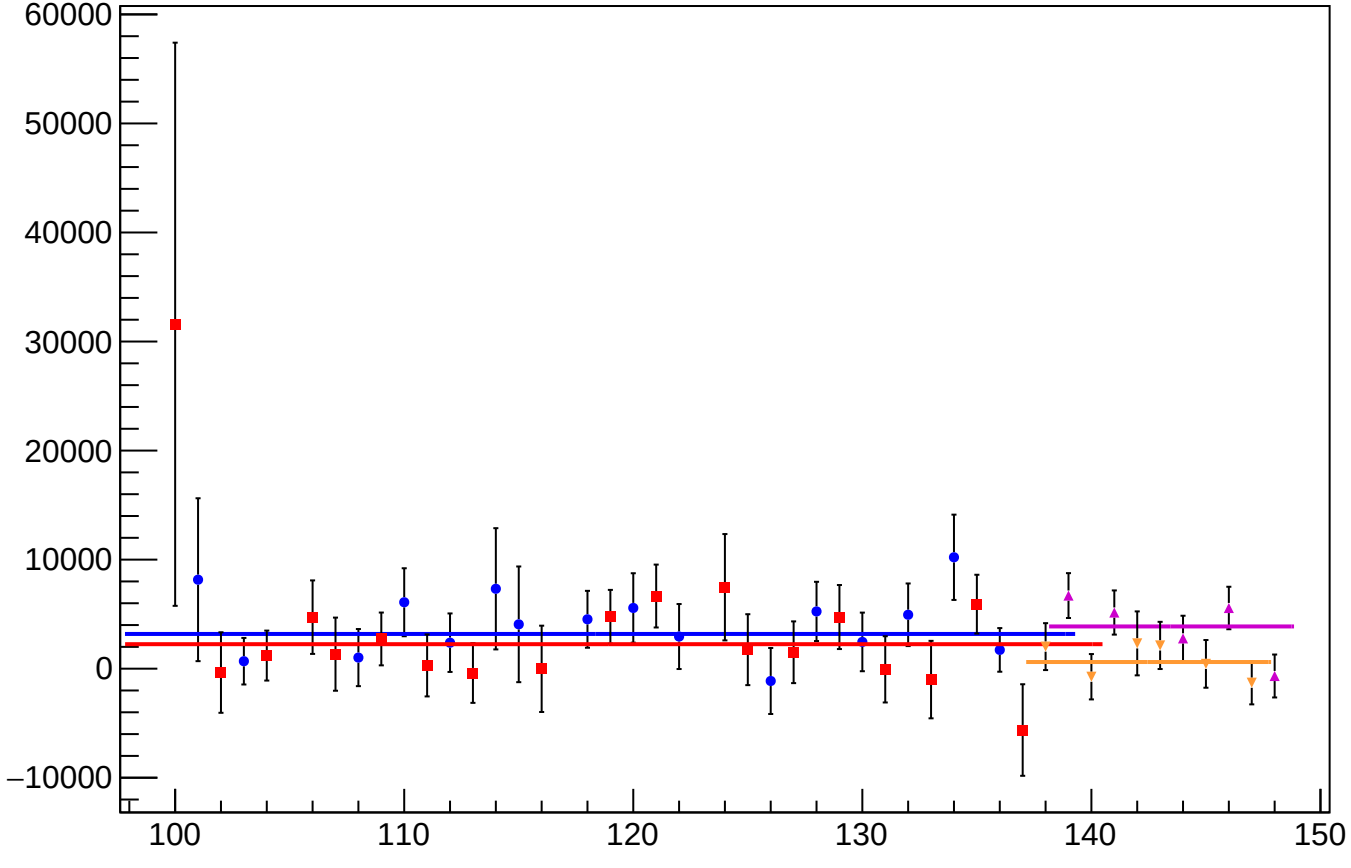
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2143450.1/20

Out: 0.000+/-0.000 χ^2/NDF:10644343.9/24

All: 0.000+/-0.000 χ^2/NDF: 21532216.7/45

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.512+/-898.048 χ^2/NDF:2.6/5

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3872.272+/-900.431 χ^2/NDF:8.7/4

Left: 2237.070+/-635.857 χ^2/NDF: 17.8/10

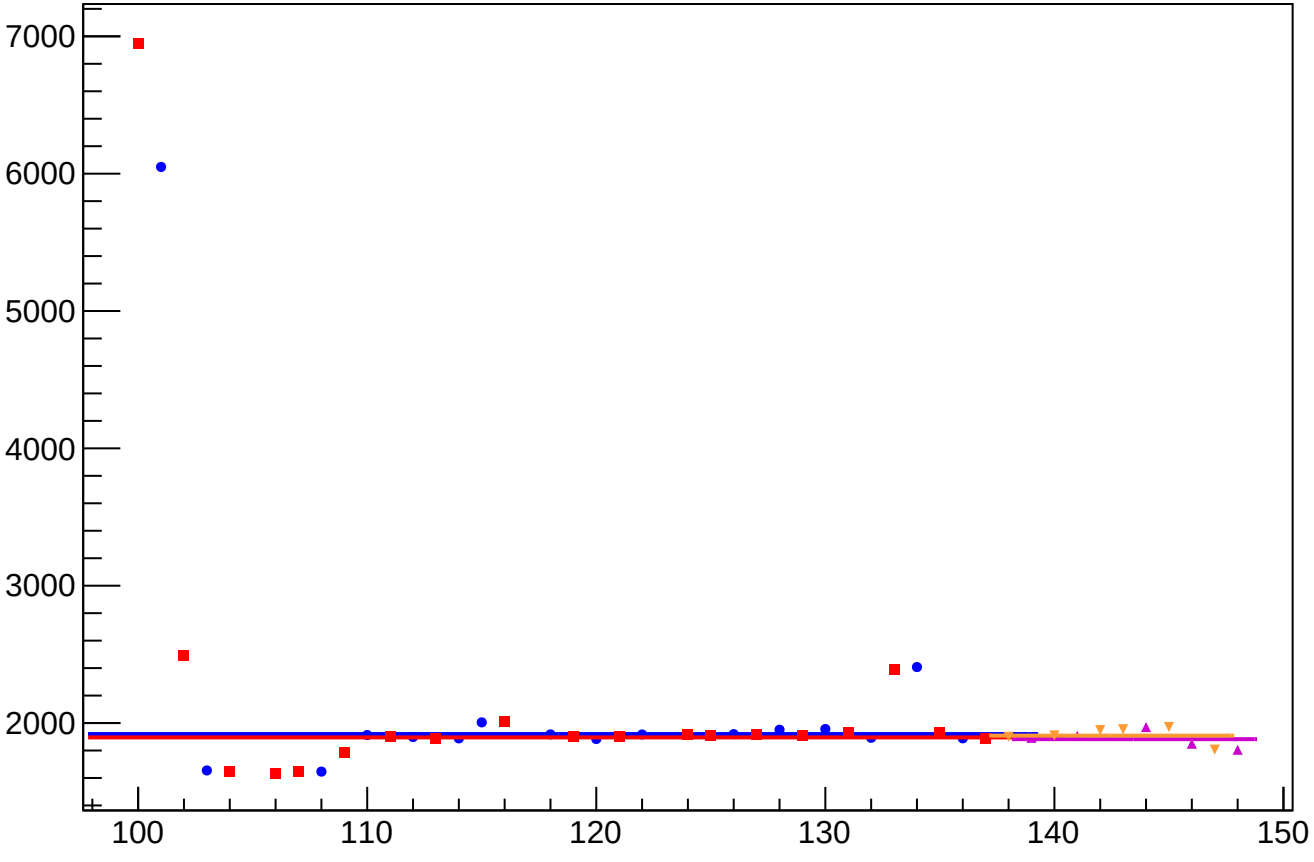
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3457.301+/-567.587 χ^2/NDF:20.7/20

Out: 1615.974+/-557.400 χ^2/NDF:21.2/24

All: 2519.966+/-397.694 χ^2/NDF: 47.2/45

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1908.534+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

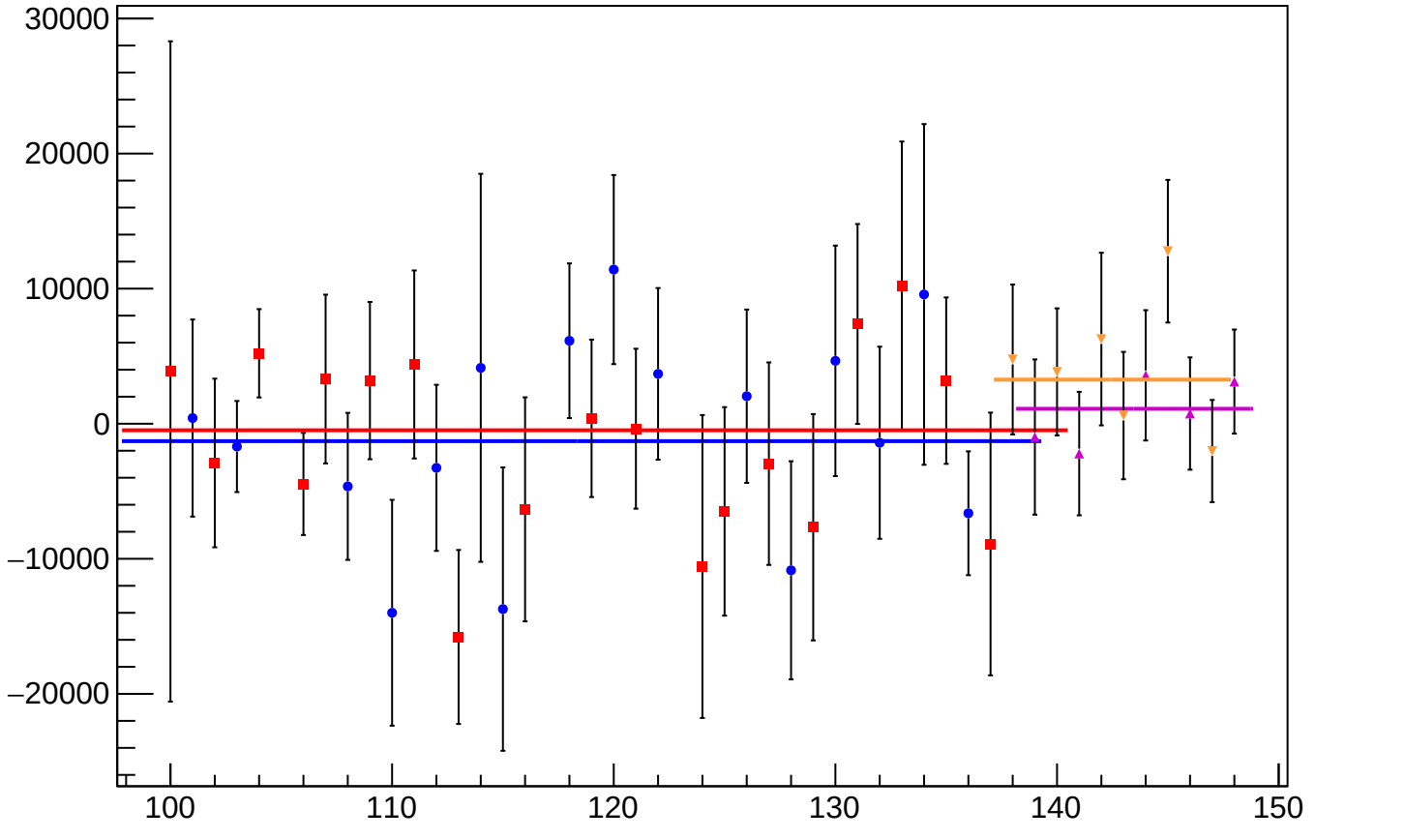
Left: 1895.588+/-0.450 χ^2/NDF: 16625.4/10

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1905.024+/-0.401 χ^2/NDF:706952.8/20

Out: 1900.415+/-0.393 χ^2/NDF:230773.0/24

All: 1902.673+/-0.281 χ^2/NDF: 937793.1/45



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3262.548+/-1988.657 χ^2/NDF:5.8/5

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1104.152+/-2015.020 χ^2/NDF:1.2/4

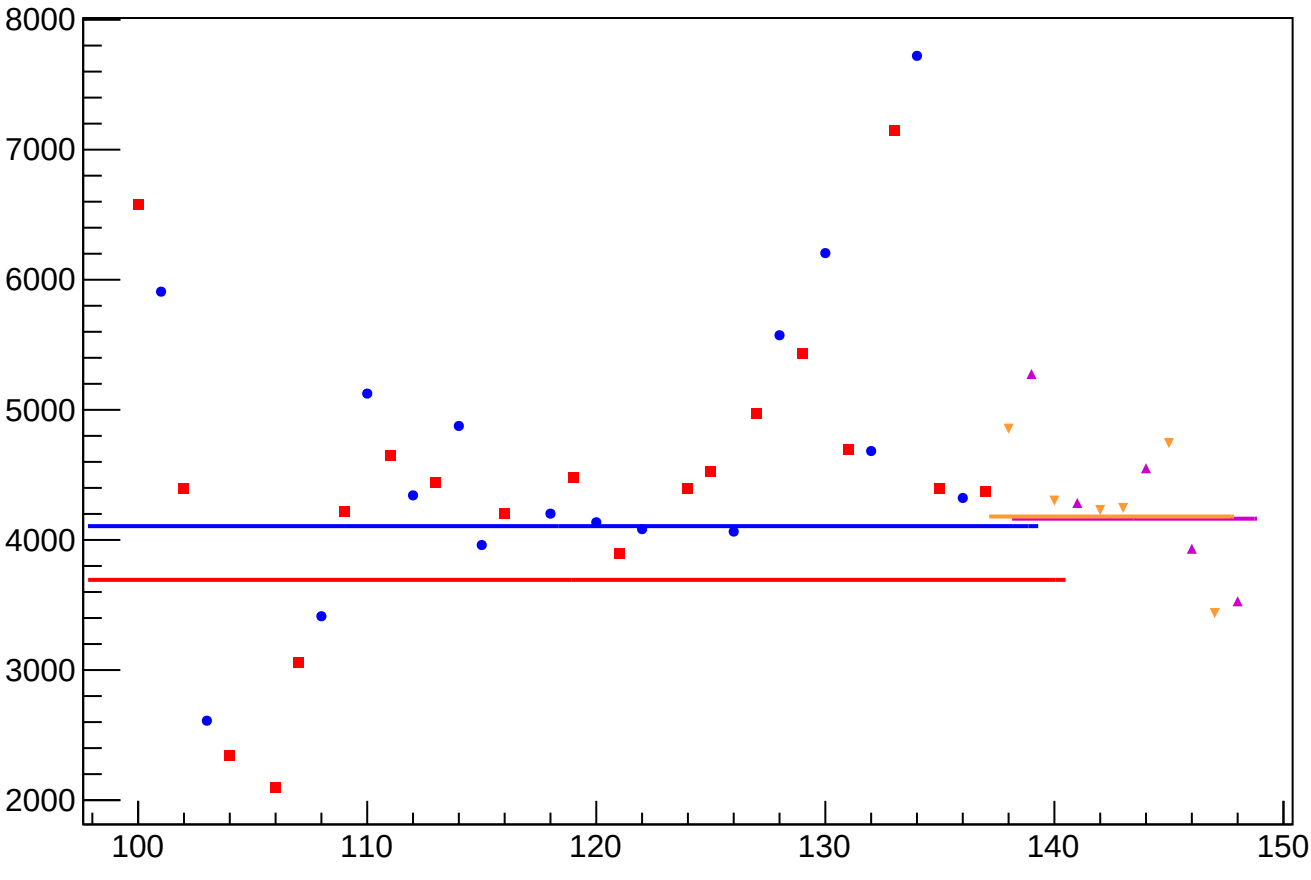
Left: 2197.562+/-1415.421 χ^2/NDF: 7.6/10

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -374.878+/-1245.993 χ^2/NDF:16.3/20

Out: 800.941+/-1164.986 χ^2/NDF:25.4/24

All: 252.494+/-850.967 χ^2/NDF: 42.2/45



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4180.094+/-1.406 χ^2/NDF:131319.9/5

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4163.414+/-1.425 χ^2/NDF:149676.4/4

Left: 4171.864+/-1.001 χ^2/NDF: 281065.7/10

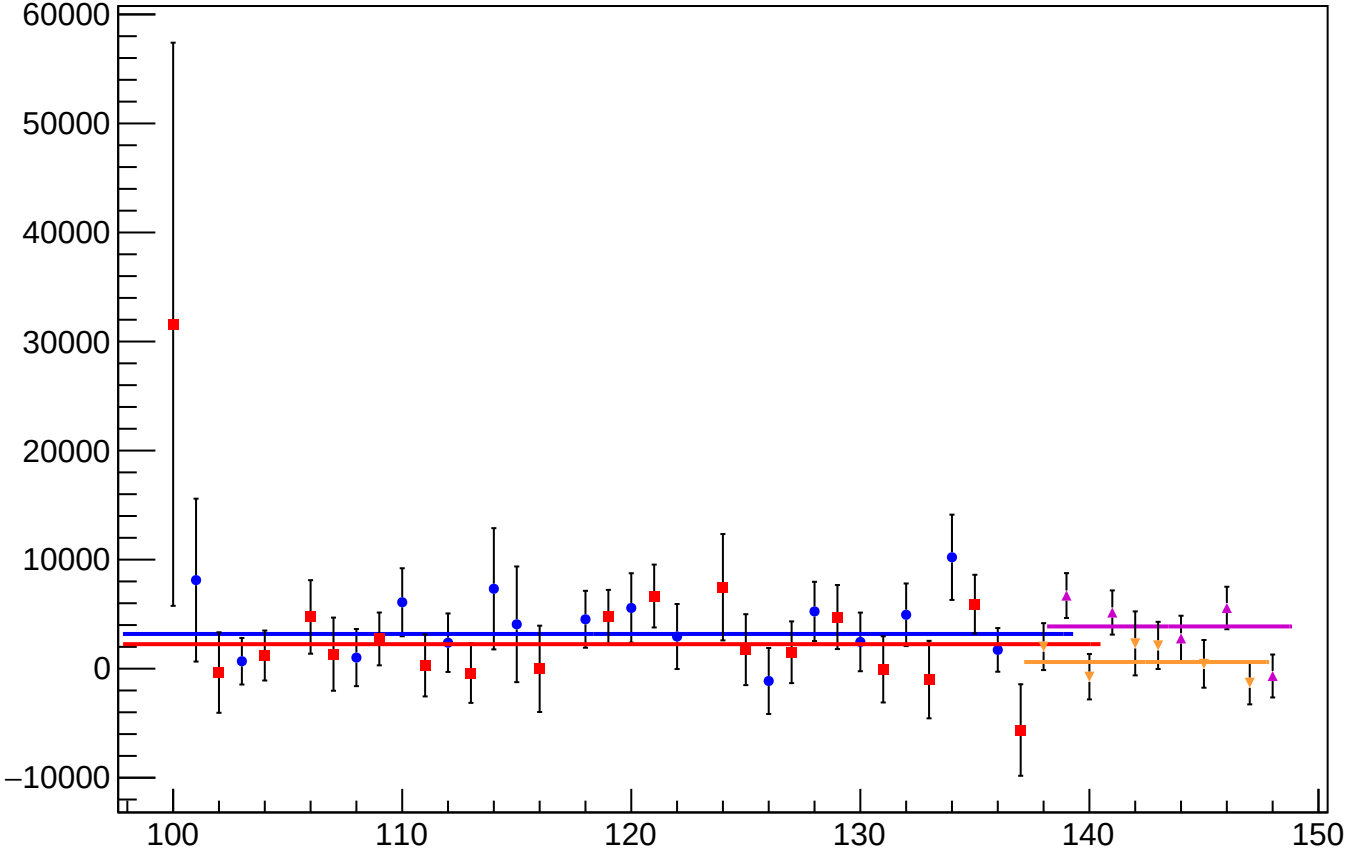
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4128.040+/-0.881 χ^2/NDF:1106804.7/20

Out: 3860.336+/-0.824 χ^2/NDF:1566687.3/24

All: 3985.203+/-0.602 χ^2/NDF: 2722751.9/45

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.523+/-898.048 χ^2/NDF:2.6/5

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3872.562+/-900.431 χ^2/NDF:8.7/4

Left: 2237.220+/-635.857 χ^2/NDF: 17.8/10

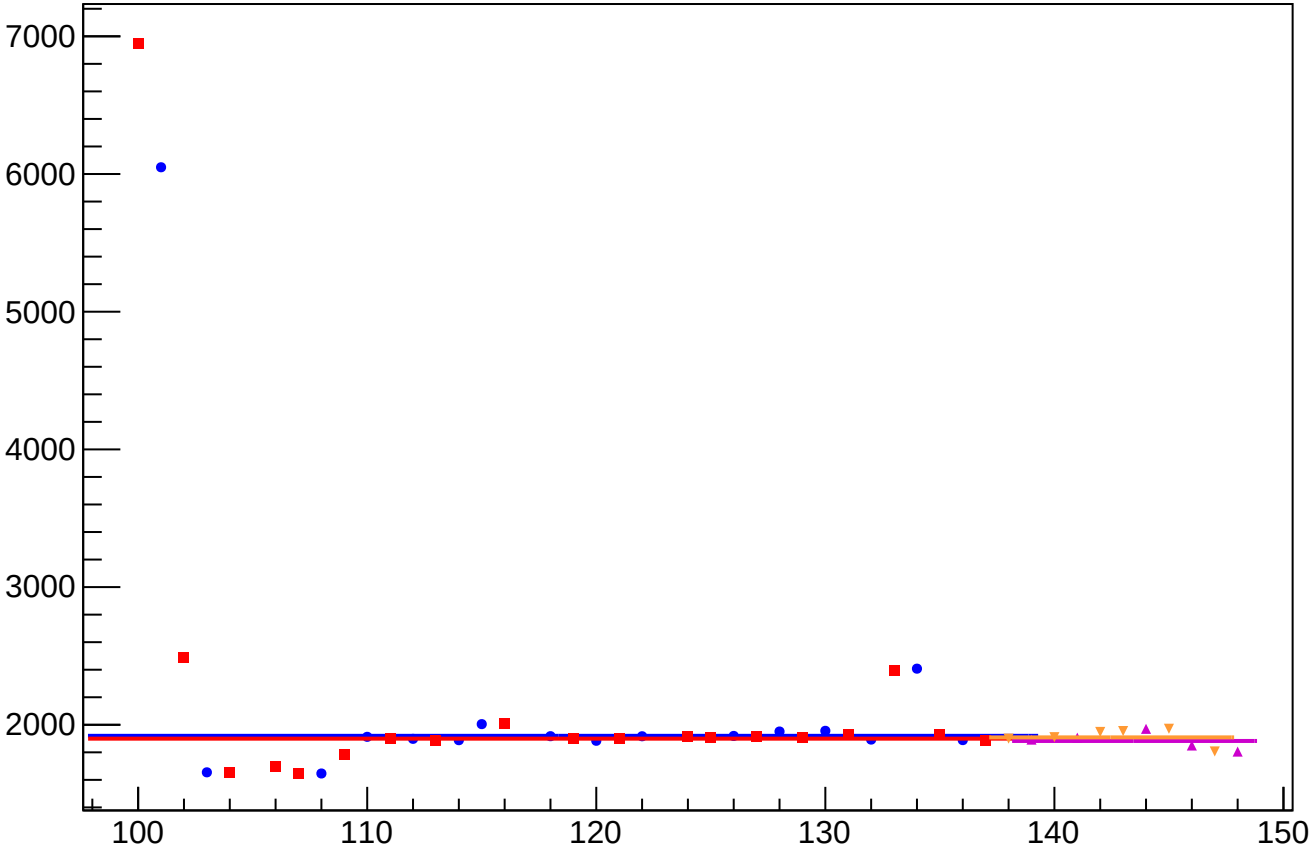
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3456.975+/-567.587 χ^2/NDF:20.7/20

Out: 1616.672+/-557.402 χ^2/NDF:21.2/24

All: 2520.165+/-397.695 χ^2/NDF: 47.2/45

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1908.535+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

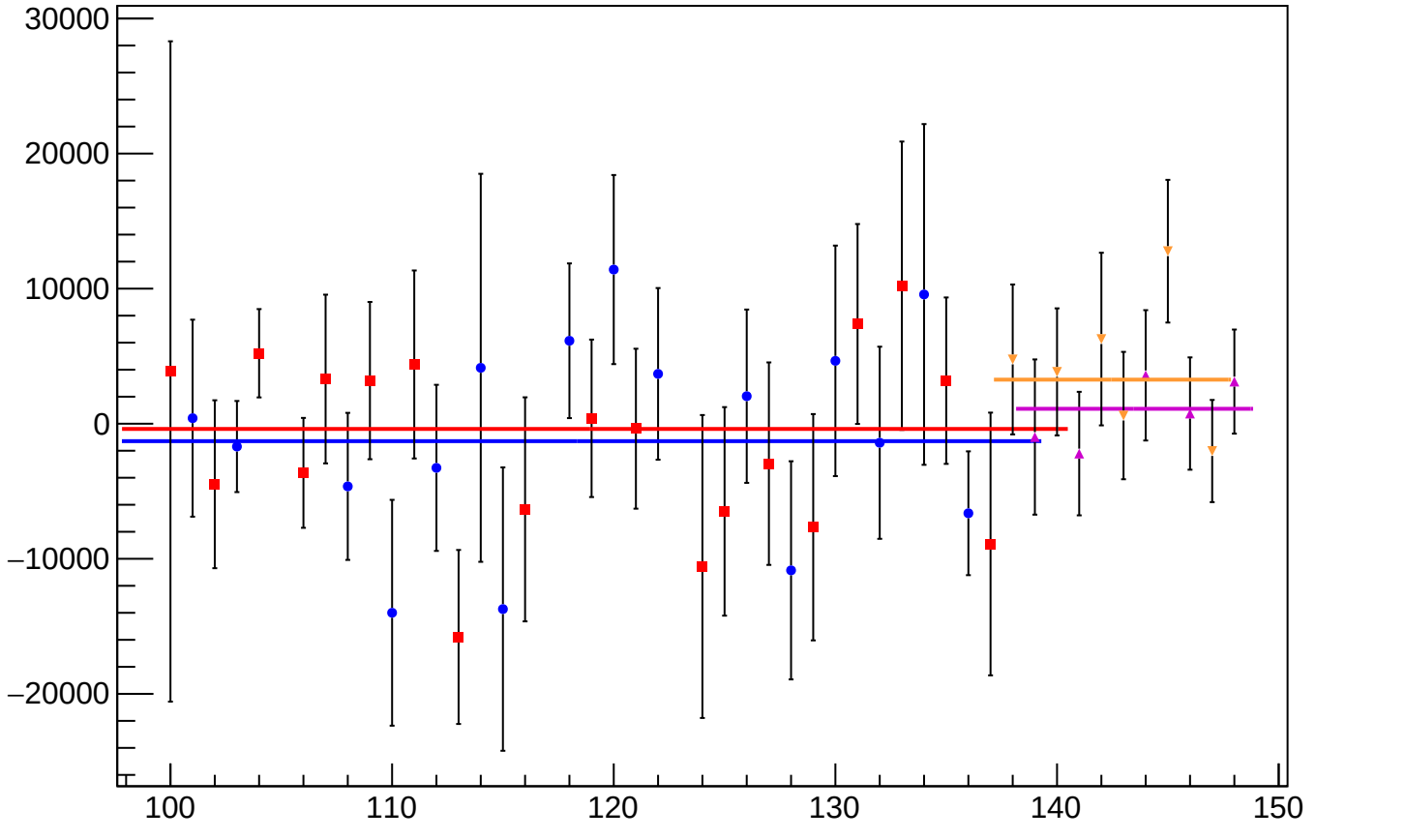
Left: 1895.588+/-0.450 χ^2/NDF: 16625.4/10

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1905.025+/-0.401 χ^2/NDF:706952.0/20

Out: 1902.890+/-0.394 χ^2/NDF:224016.3/24

All: 1903.937+/-0.281 χ^2/NDF: 930982.7/45



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3262.588+/-1988.651 χ^2/NDF:5.8/5

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1104.142+/-2015.021 χ^2/NDF:1.2/4

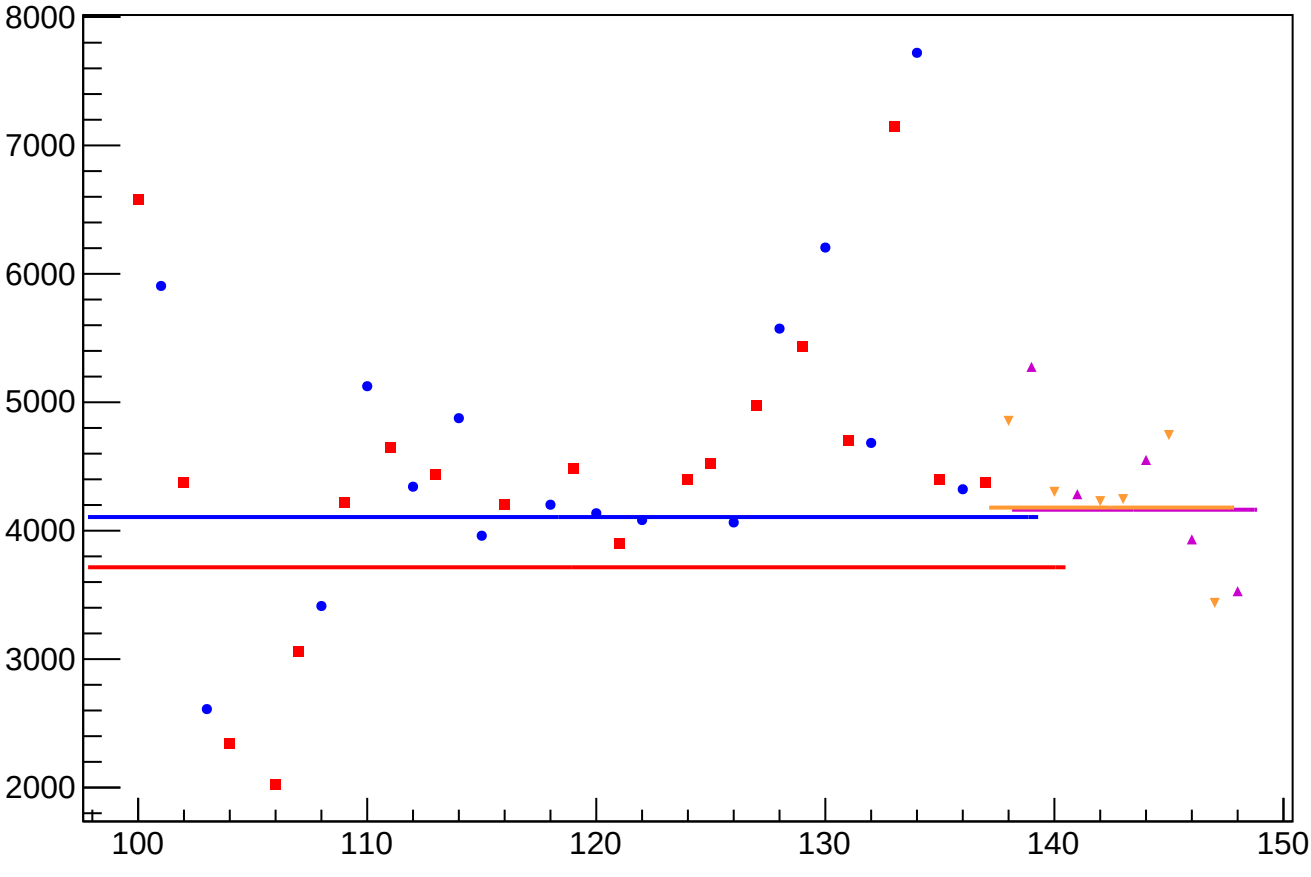
Left: 2197.581+/-1415.420 χ^2/NDF: 7.6/10

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -375.107+/-1245.994 χ^2/NDF:16.3/20

Out: 881.130+/-1172.434 χ^2/NDF:25.0/24

All: 291.186+/-853.858 χ^2/NDF: 41.9/45



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

Left: 4171.858+/-1.001 χ^2/NDF: 281064.4/10

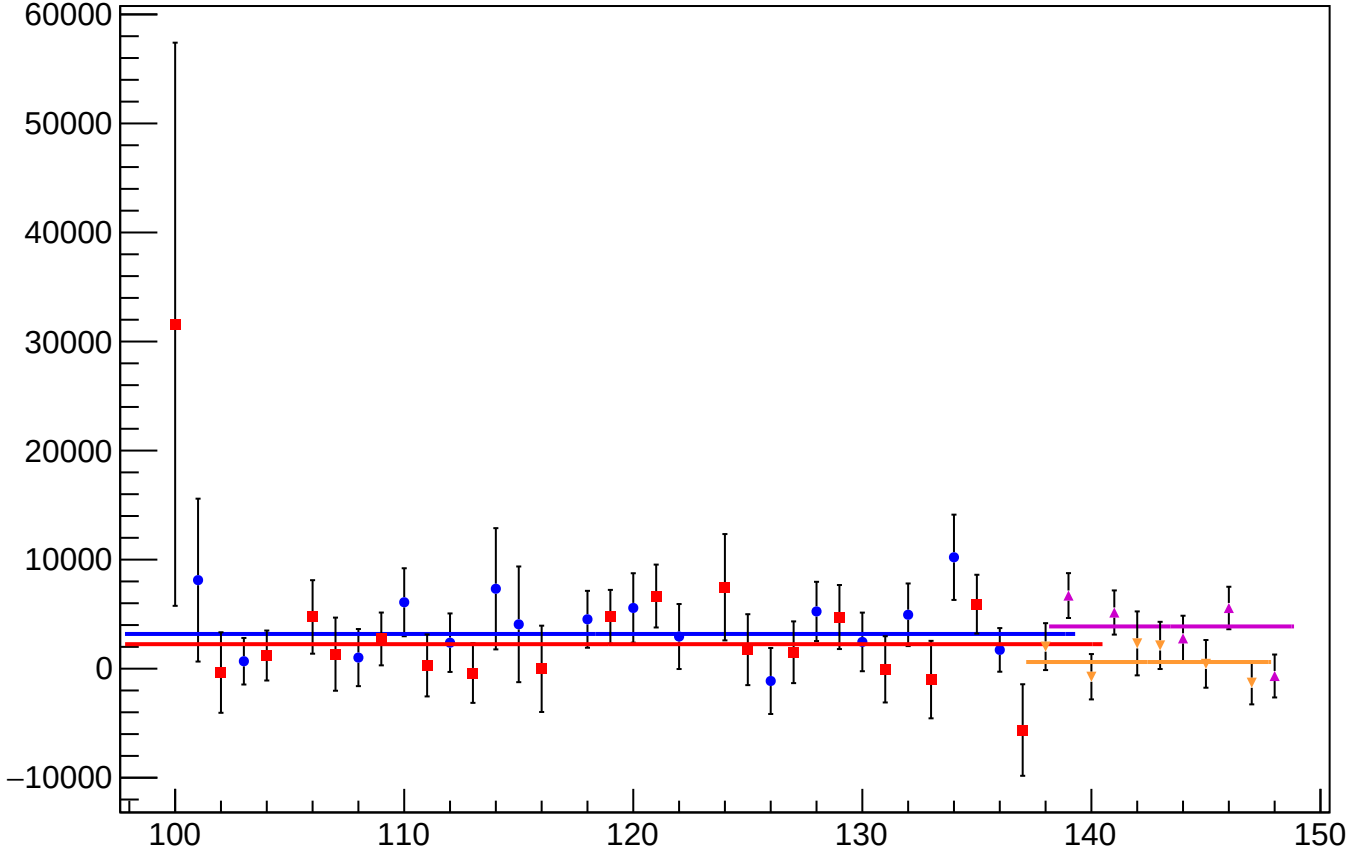
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4128.097+/-0.881 χ^2/NDF:1106305.4/20

Out: 3876.787+/-0.829 χ^2/NDF:1537721.1/24

All: 3994.805+/-0.604 χ^2/NDF: 2687179.7/45

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.523+/-898.048 χ^2/NDF:2.6/5

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3872.562+/-900.431 χ^2/NDF:8.7/4

Left: 2237.220+/-635.857 χ^2/NDF: 17.8/10

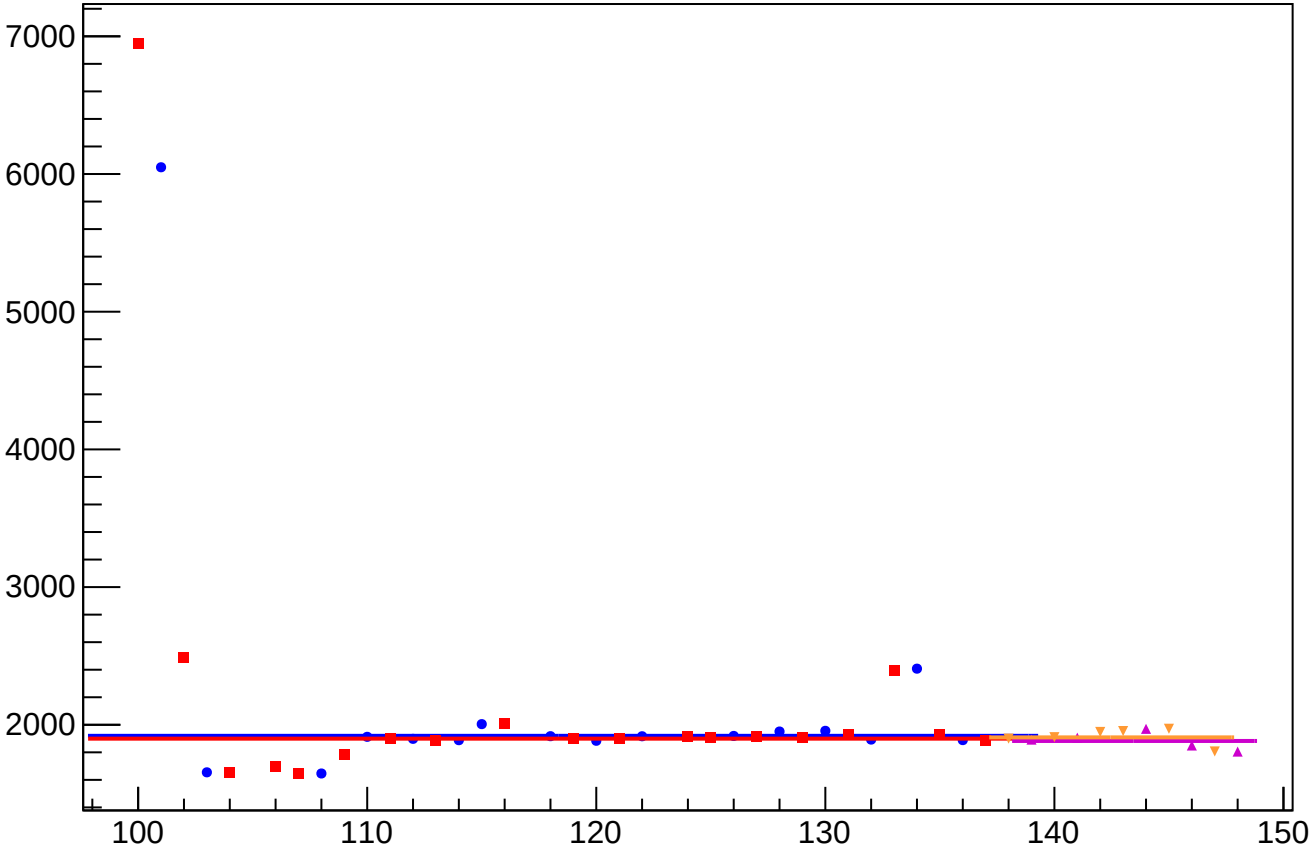
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3456.975+/-567.587 χ^2/NDF:20.7/20

Out: 1616.672+/-557.402 χ^2/NDF:21.2/24

All: 2520.165+/-397.695 χ^2/NDF: 47.2/45

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1908.535+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

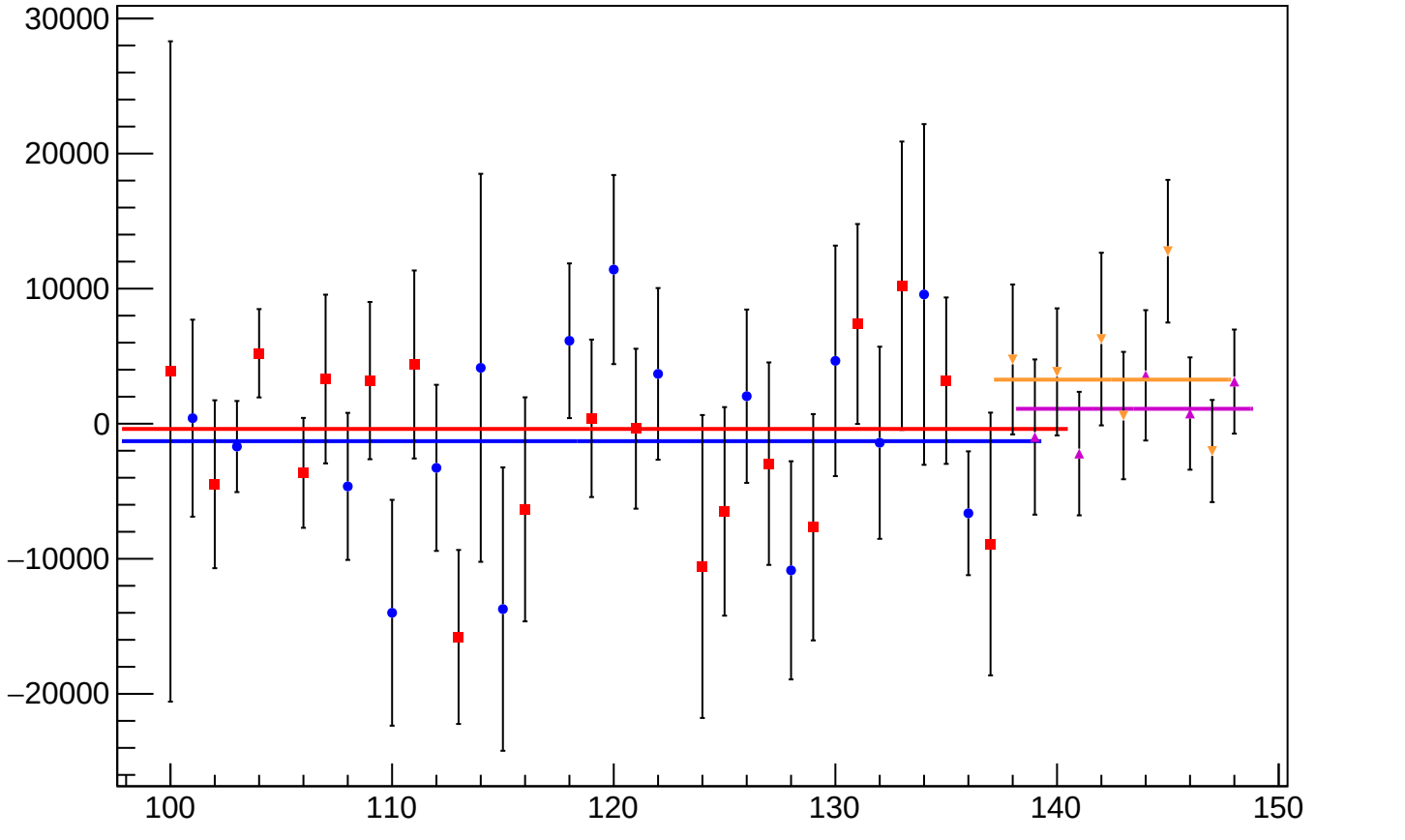
Left: 1895.588+/-0.450 χ^2/NDF: 16625.4/10

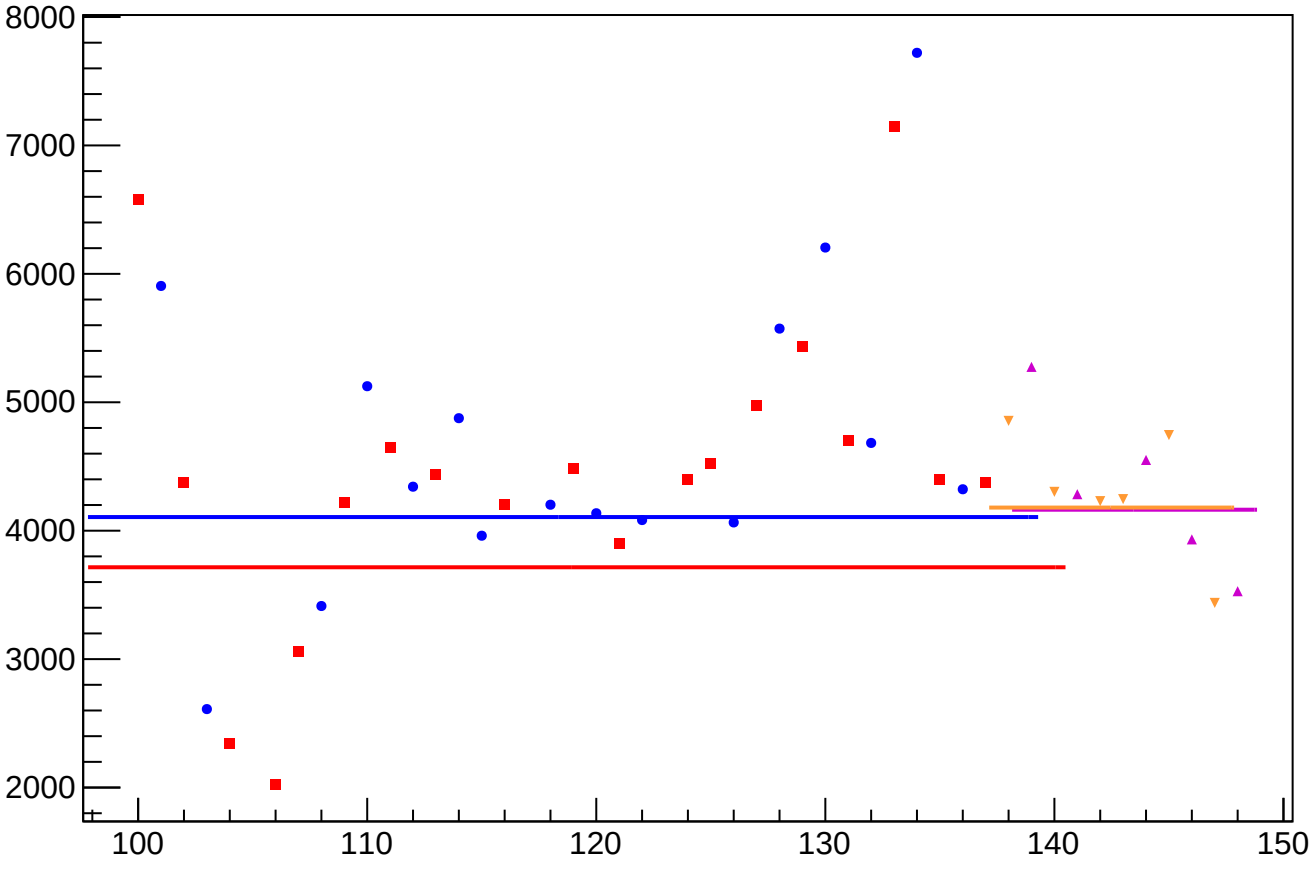
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1905.025+/-0.401 χ^2/NDF:706952.0/20

Out: 1902.890+/-0.394 χ^2/NDF:224016.3/24

All: 1903.937+/-0.281 χ^2/NDF: 930982.7/45


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 3262.588+/-1988.651 χ²/NDF:5.8/5
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 1104.142+/-2015.021 χ²/NDF:1.2/4
Left: 2197.581+/-1415.420 χ²/NDF: 7.6/10
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -375.107+/-1245.994 χ²/NDF:16.3/20
Out: 881.130+/-1172.434 χ²/NDF:25.0/24
All: 291.186+/-853.858 χ²/NDF: 41.9/45



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

Left: 4171.858+/-1.001 χ^2/NDF: 281064.4/10

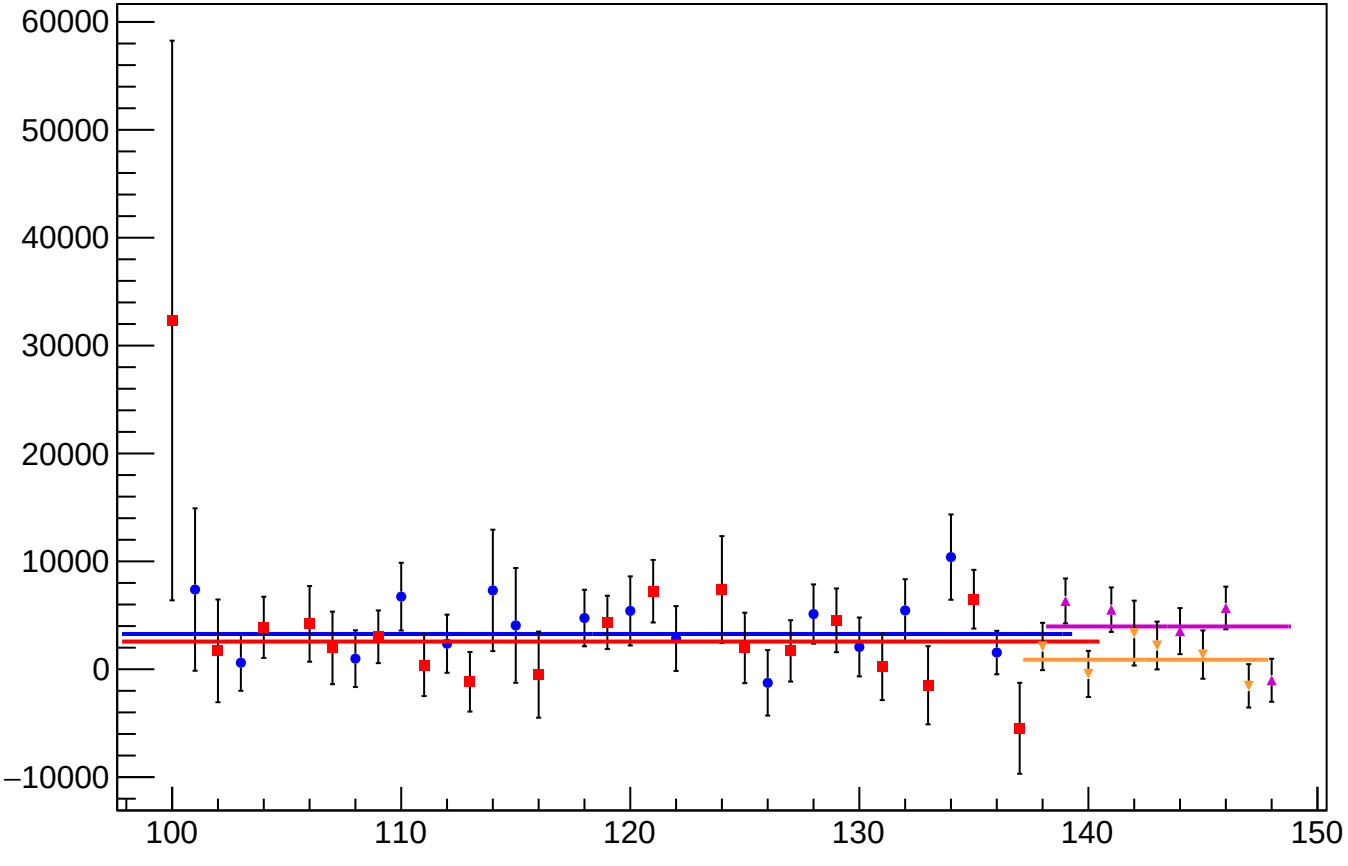
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4128.097+/-0.881 χ^2/NDF:1106305.4/20

Out: 3876.787+/-0.829 χ^2/NDF:1537721.1/24

All: 3994.805+/-0.604 χ^2/NDF: 2687179.7/45

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 883.512+/-917.341 χ^2/NDF:3.2/5

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3963.949+/-915.696 χ^2/NDF:8.9/4

Left: 2426.494+/-648.076 χ^2/NDF: 17.8/10

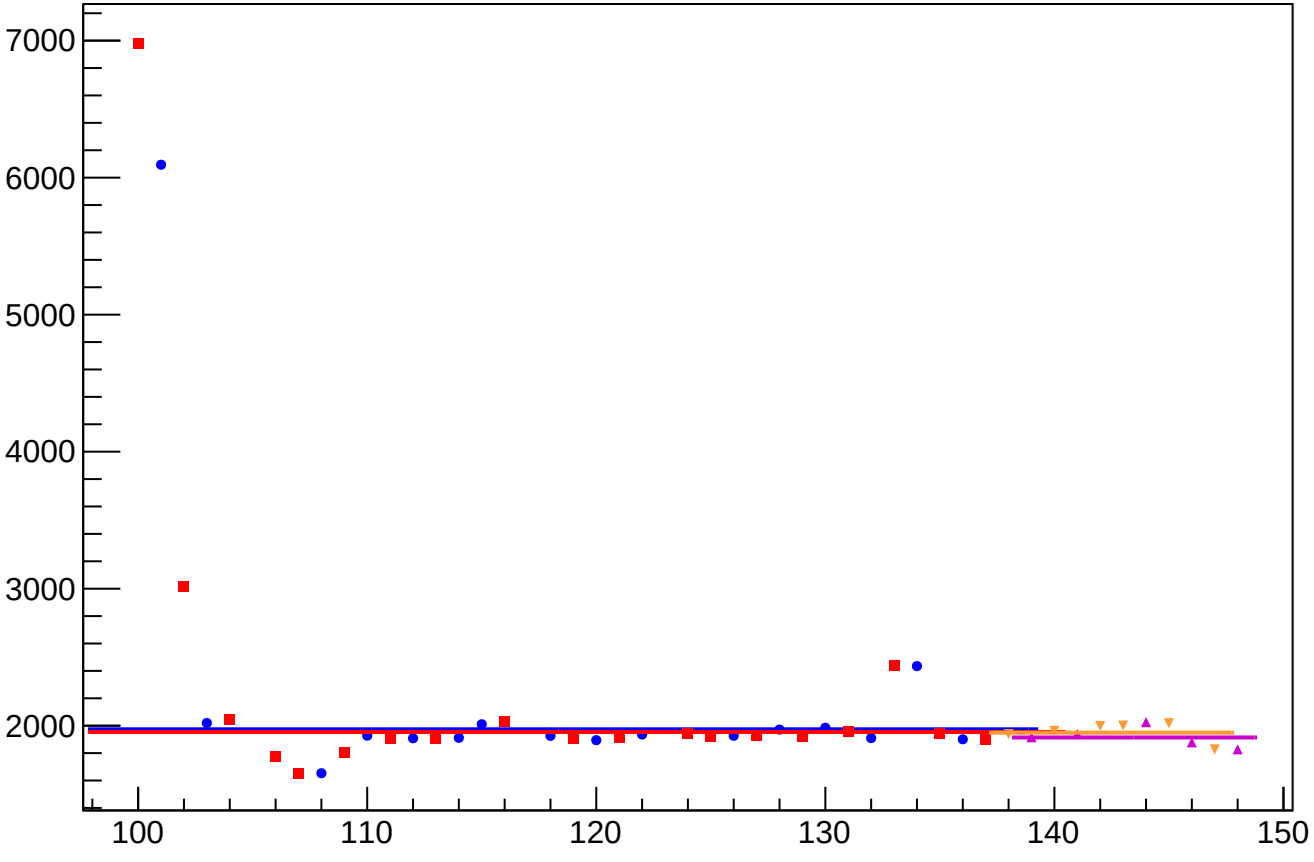
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3545.799+/-580.622 χ^2/NDF:21.4/20

Out: 1908.741+/-573.535 χ^2/NDF:22.3/24

All: 2717.219+/-408.033 χ^2/NDF: 47.7/45

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1949.138+/-0.649 χ^2/NDF:11055.8/5

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.8/4

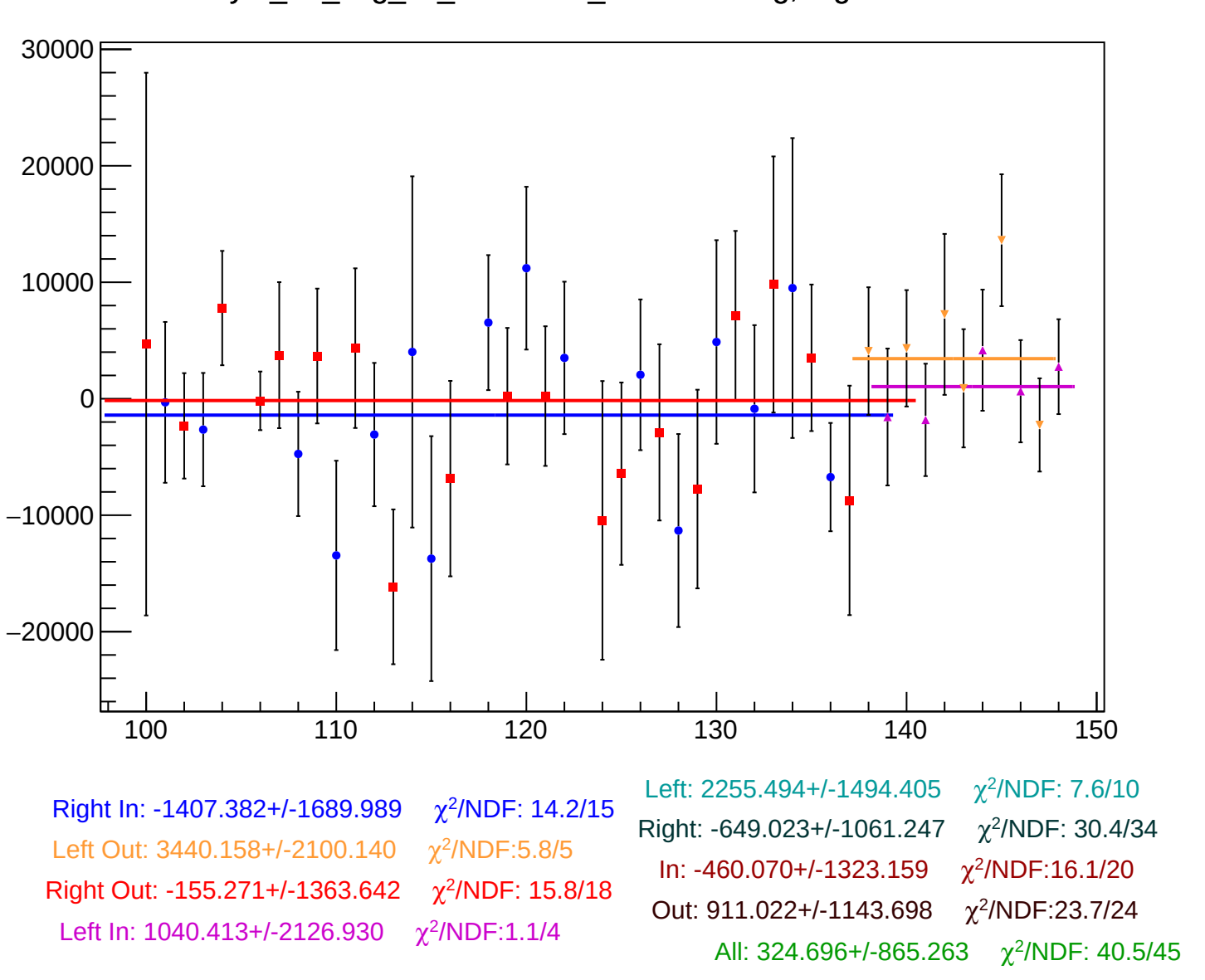
Left: 1931.601+/-0.458 χ^2/NDF: 22696.7/10

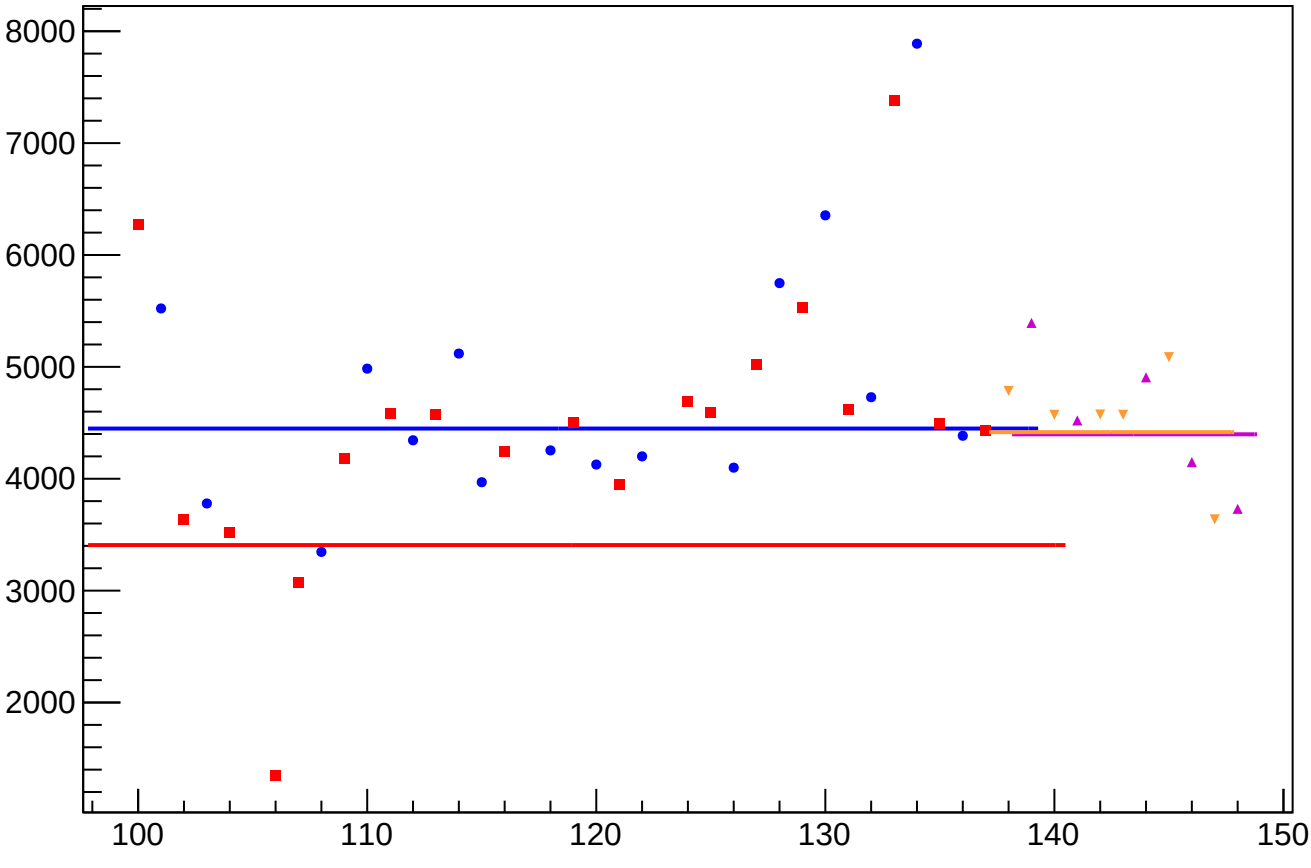
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1949.777+/-0.411 χ^2/NDF:680375.7/20

Out: 1952.308+/-0.405 χ^2/NDF:257306.3/24

All: 1951.059+/-0.288 χ^2/NDF: 937701.2/45


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 3440.158+/-2100.140 χ²/NDF:5.8/5
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 1040.413+/-2126.930 χ²/NDF:1.1/4
Left: 2255.494+/-1494.405 χ²/NDF: 7.6/10
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -460.070+/-1323.159 χ²/NDF:16.1/20
Out: 911.022+/-1143.698 χ²/NDF:23.7/24
All: 324.696+/-865.263 χ²/NDF: 40.5/45



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4416.584+/-1.485 χ^2/NDF:117782.3/5

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4397.244+/-1.504 χ^2/NDF:137770.2/4

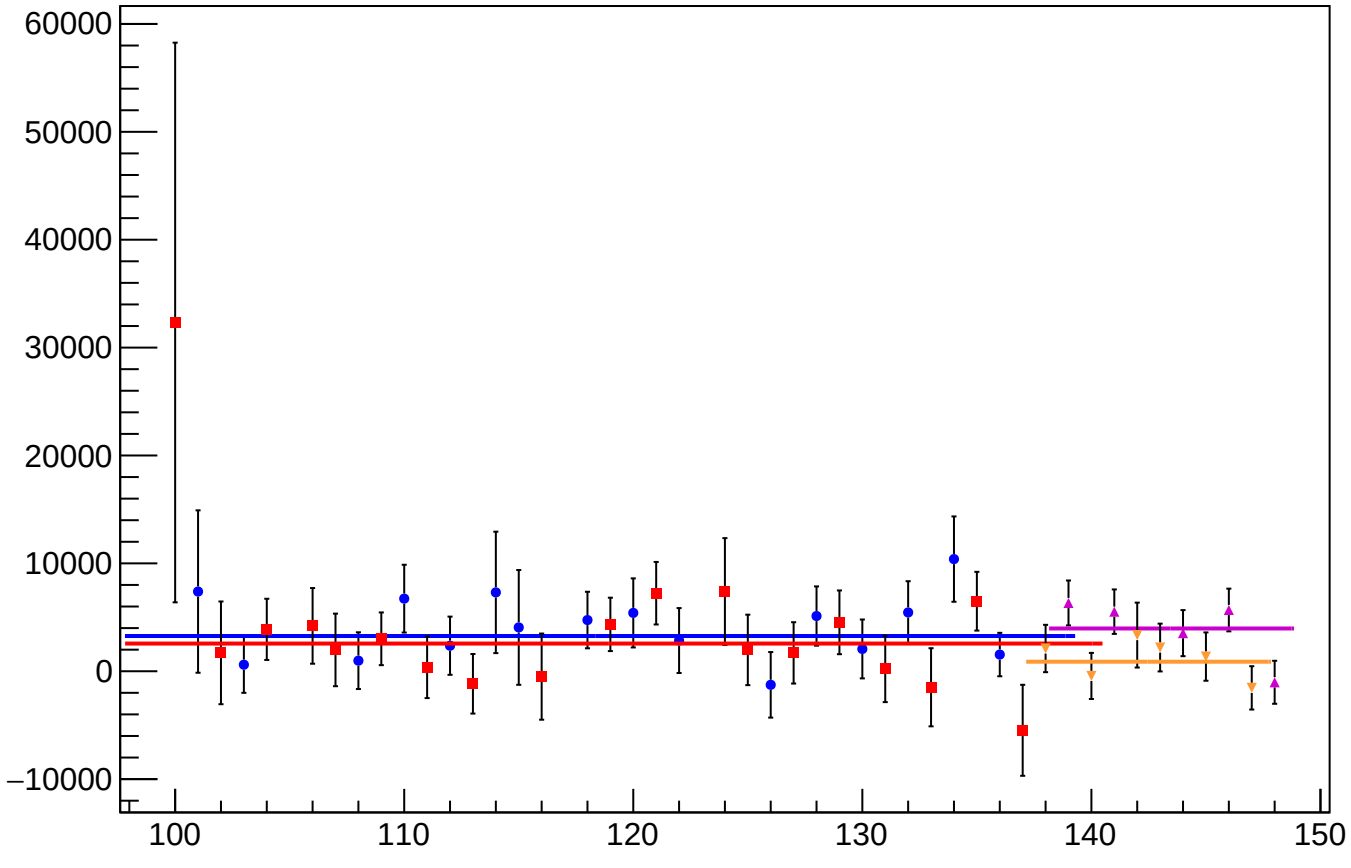
Left: 4407.037+/-1.057 χ^2/NDF: 255636.3/10

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4428.793+/-0.936 χ^2/NDF:633101.6/20

Out: 3706.501+/-0.809 χ^2/NDF:2768877.9/24

All: 4015.378+/-0.612 χ^2/NDF: 3743097.7/45



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 883.515+/-917.341 χ^2/NDF:3.2/5

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3963.943+/-915.697 χ^2/NDF:8.9/4

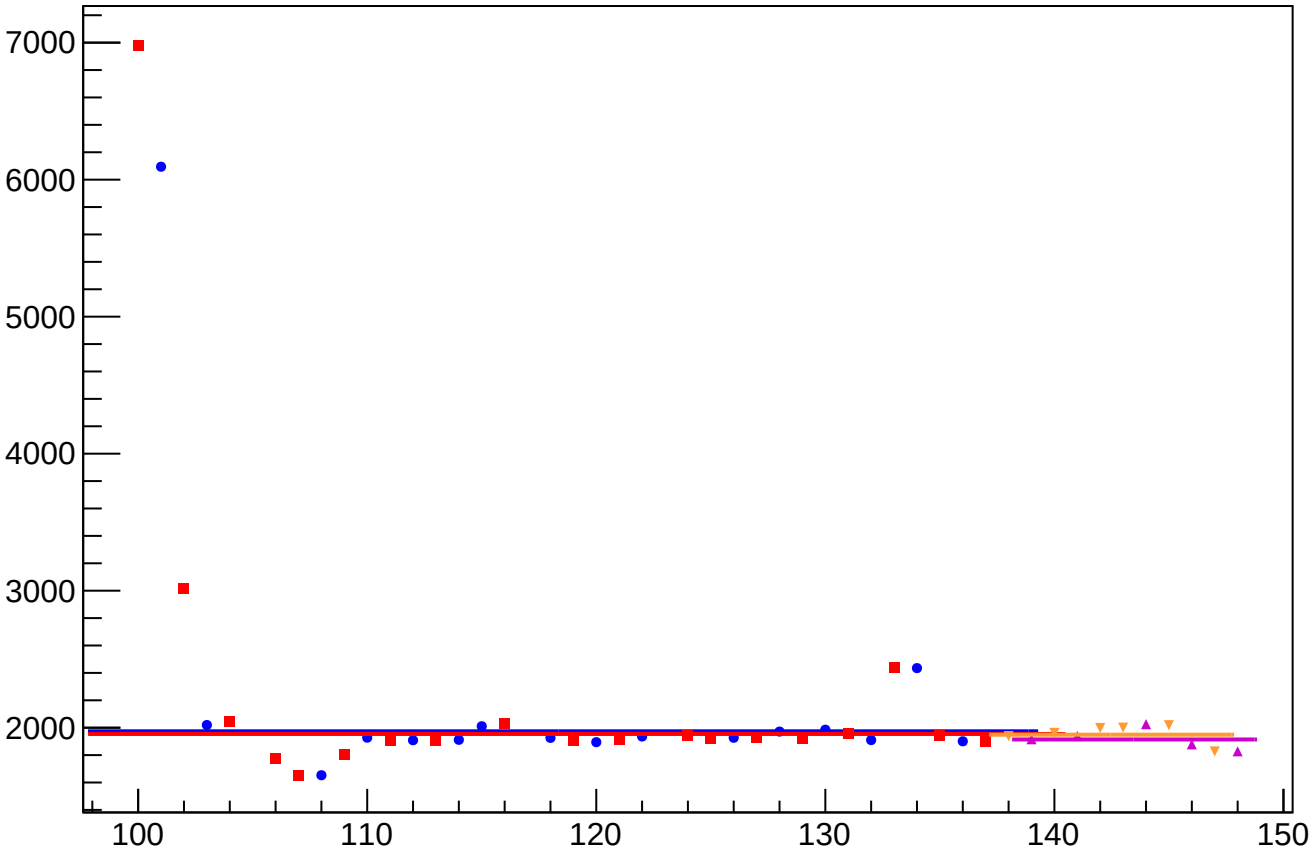
Left: 2426.492+/-648.076 χ^2/NDF: 17.8/10

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3545.799+/-580.622 χ^2/NDF:21.4/20

Out: 1908.746+/-573.535 χ^2/NDF:22.3/24

All: 2717.222+/-408.033 χ^2/NDF: 47.7/45



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1949.138+/-0.649 χ^2/NDF:11055.8/5

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.7/4

Left: 1931.602+/-0.458 χ^2/NDF: 22696.7/10

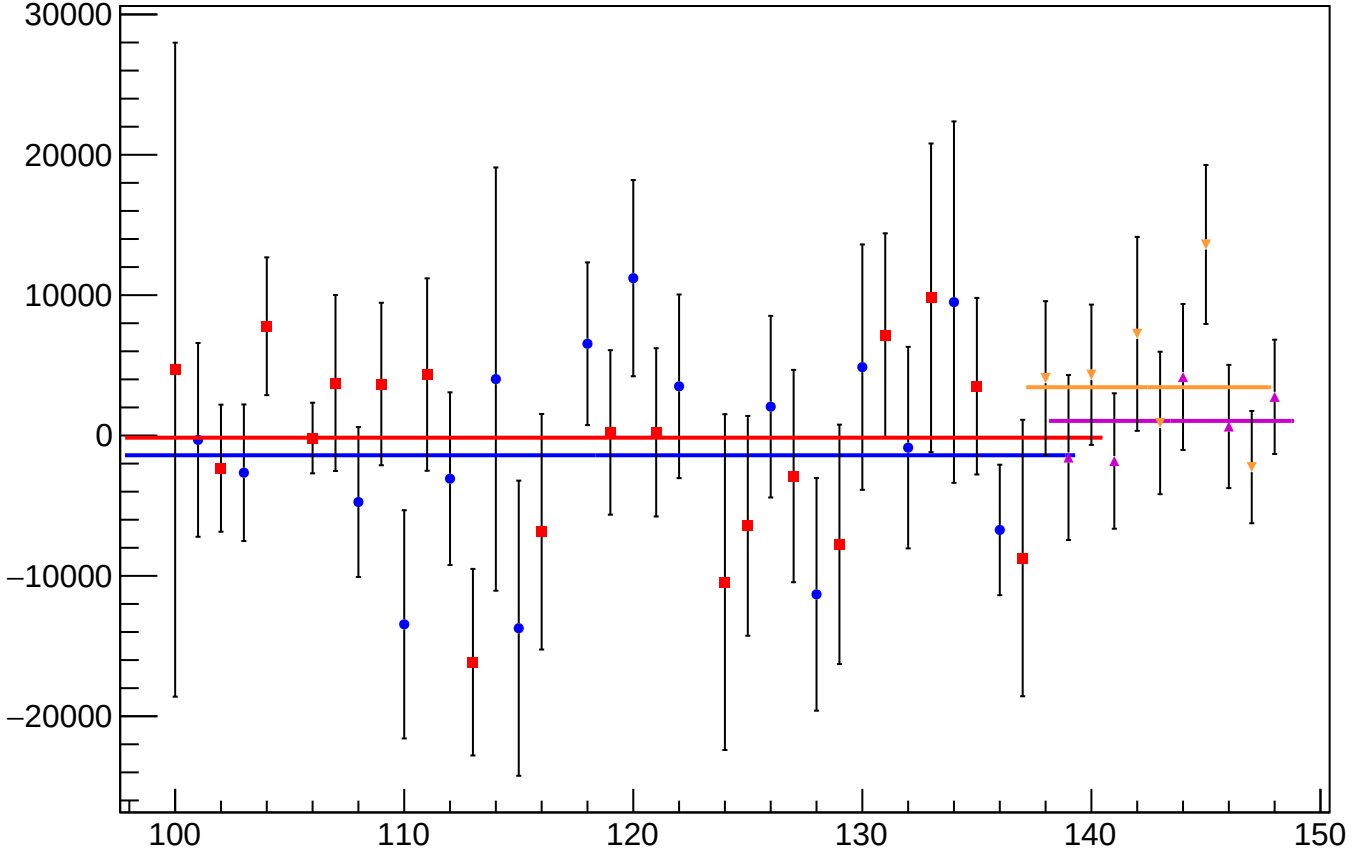
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1949.778+/-0.411 χ^2/NDF:680375.5/20

Out: 1952.308+/-0.405 χ^2/NDF:257305.8/24

All: 1951.059+/-0.288 χ^2/NDF: 937700.5/45

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 3440.160+/-2100.143 χ^2/NDF:5.8/5

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 1040.405+/-2126.933 χ^2/NDF:1.1/4

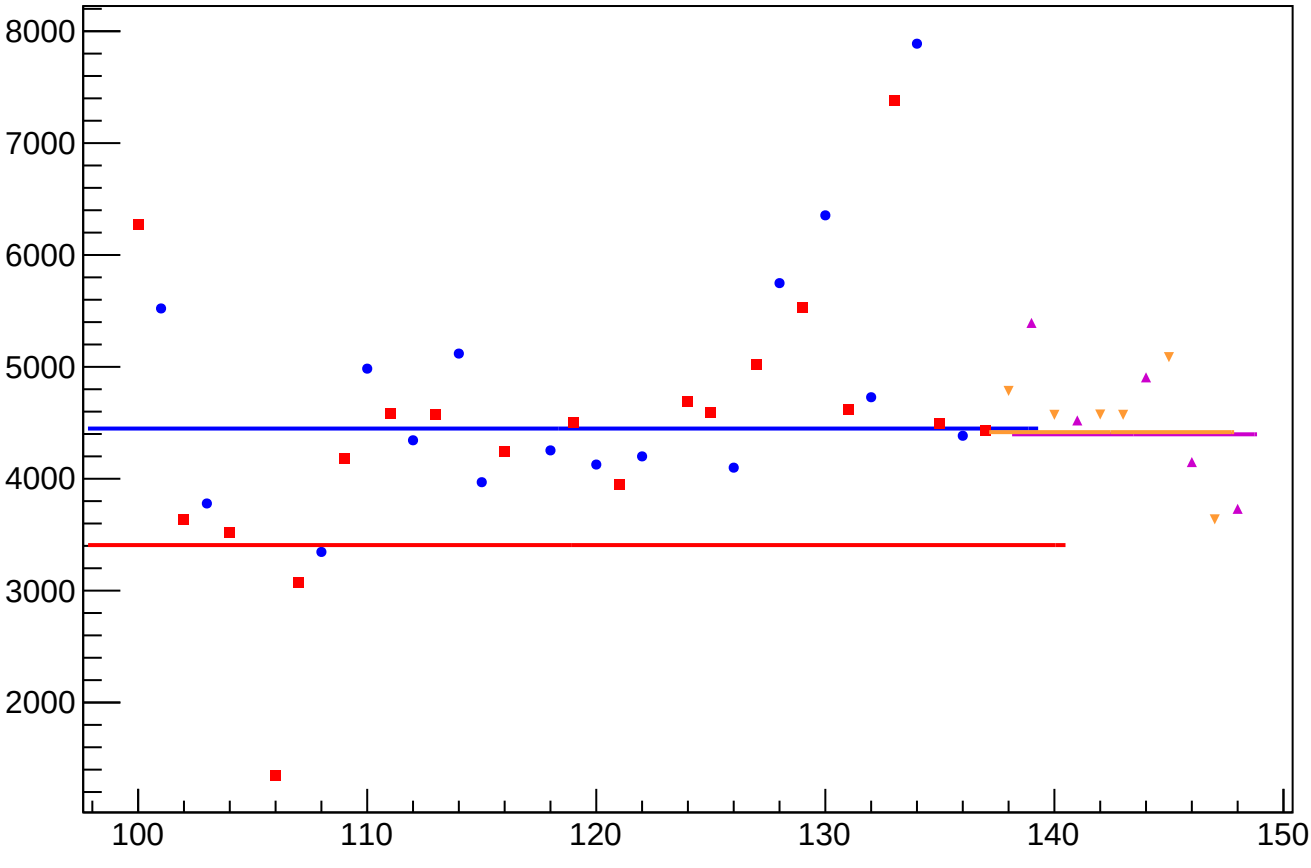
Left: 2255.491+/-1494.407 χ^2/NDF: 7.6/10

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -460.066+/-1323.158 χ^2/NDF:16.1/20

Out: 911.017+/-1143.696 χ^2/NDF:23.7/24

All: 324.695+/-865.262 χ^2/NDF: 40.5/45



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4416.591+/-1.485 χ^2/NDF:117782.3/5

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4397.251+/-1.504 χ^2/NDF:137769.8/4

Left: 4407.043+/-1.057 χ^2/NDF: 255635.9/10

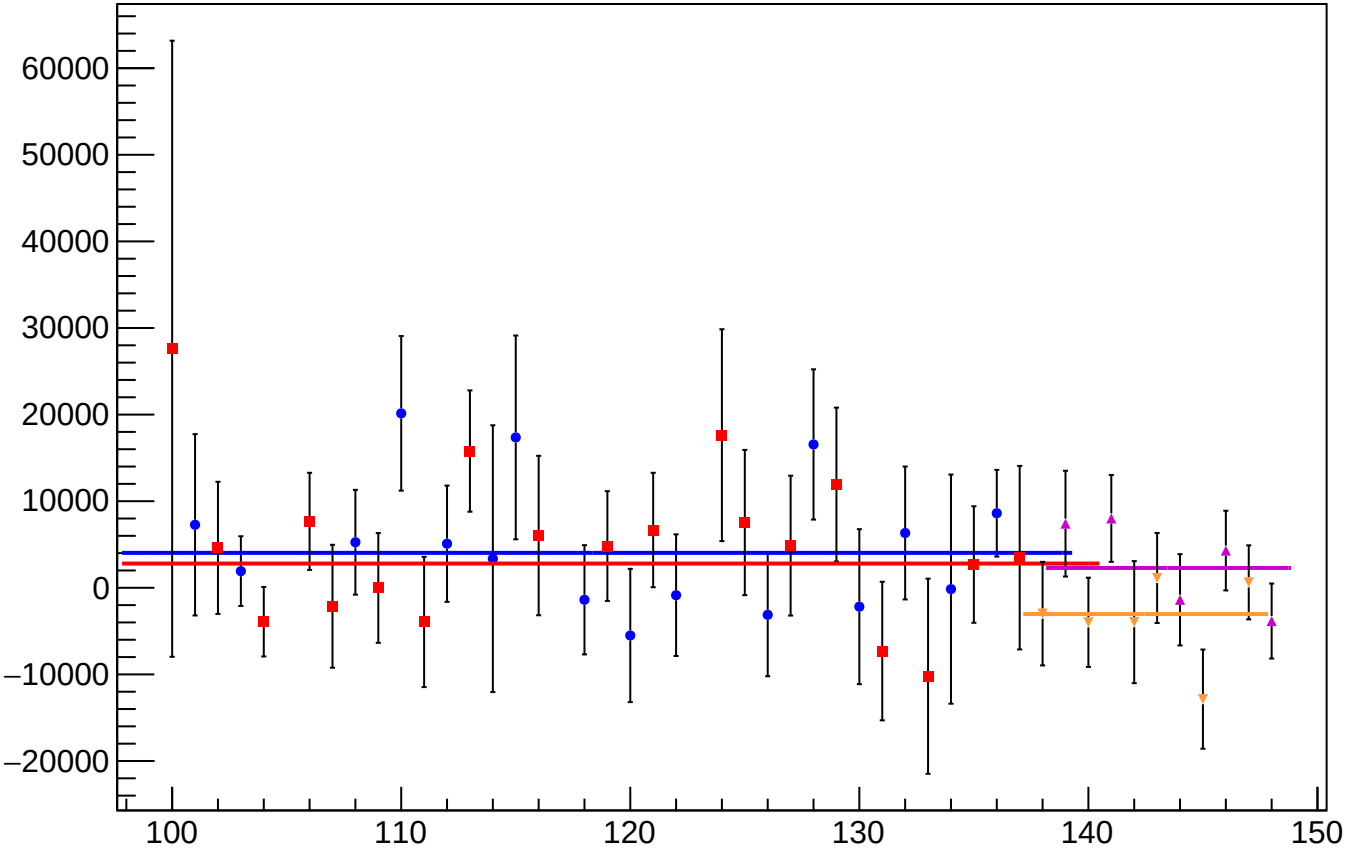
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4428.791+/-0.936 χ^2/NDF:633097.8/20

Out: 3706.496+/-0.809 χ^2/NDF:2768890.8/24

All: 4015.374+/-0.612 χ^2/NDF: 3743110.7/45

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -3024.484+/-2192.864 χ^2/NDF:4.4/5

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2291.418+/-2218.509 χ^2/NDF:4.7/4

Left: -397.436+/-1559.577 χ^2/NDF: 12.0/10

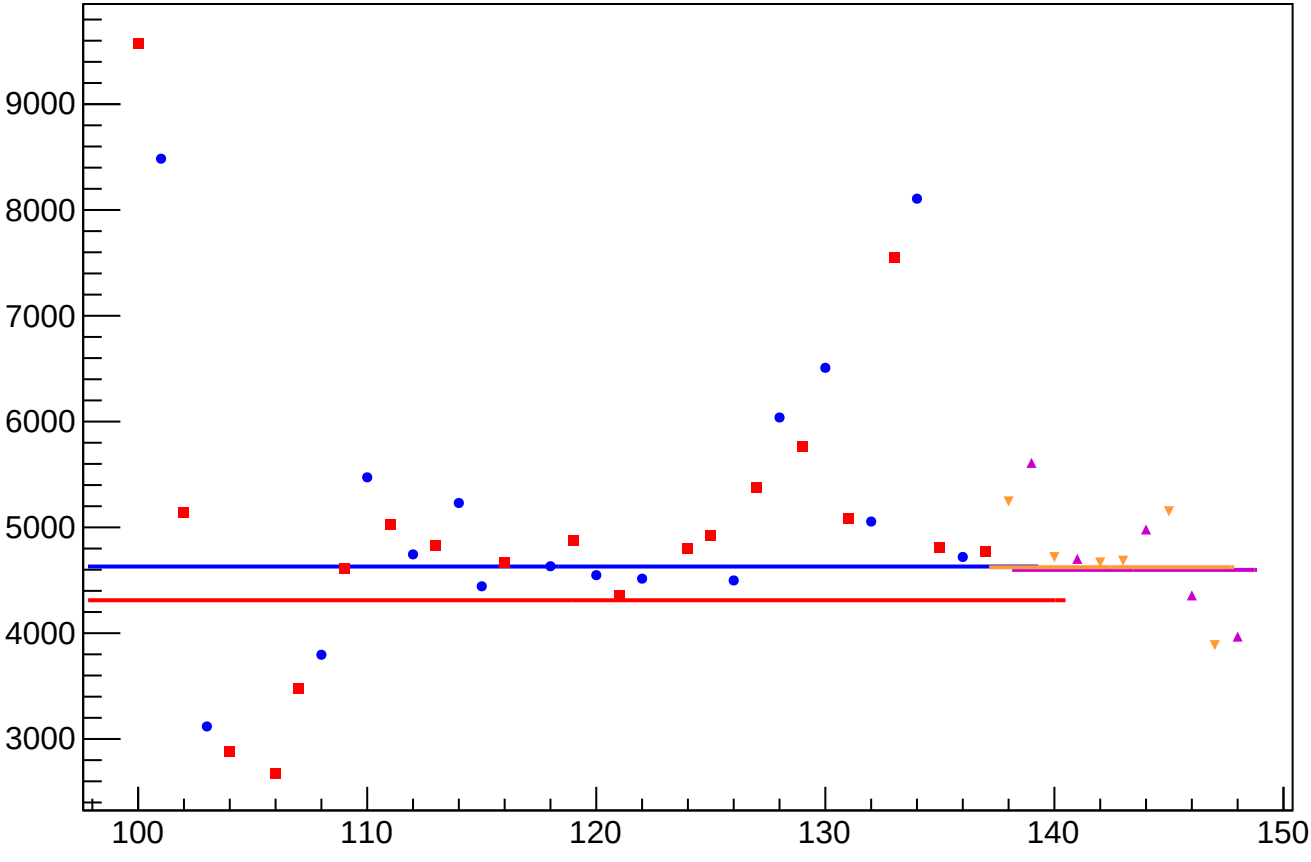
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3350.945+/-1389.323 χ^2/NDF:17.4/20

Out: 659.261+/-1329.535 χ^2/NDF:24.3/24

All: 1945.942+/-960.564 χ^2/NDF: 43.6/45

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4623.277+/-1.551 χ^2/NDF:99123.0/5

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4598.327+/-1.569 χ^2/NDF:114127.1/4

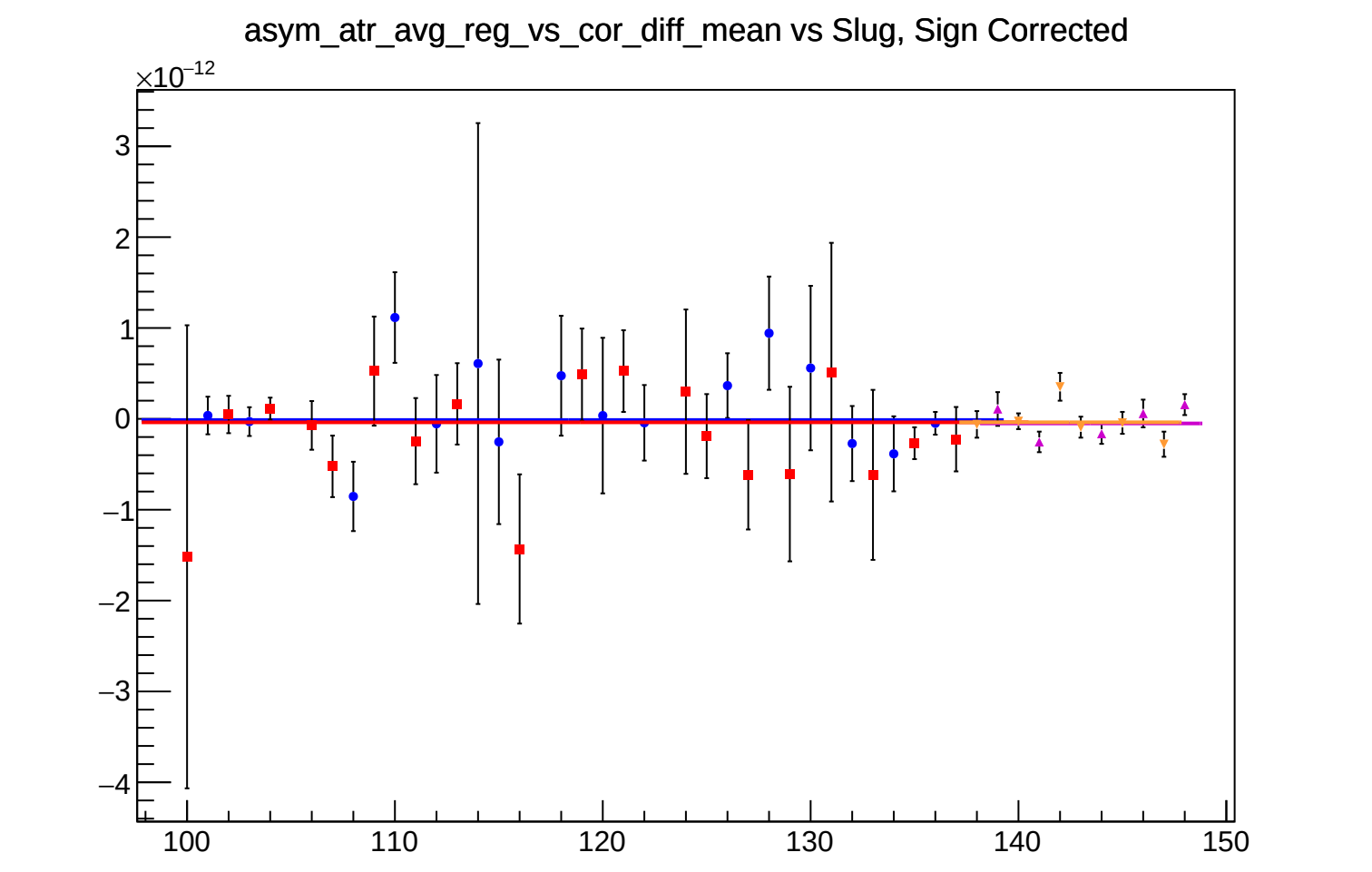
Left: 4610.947+/-1.103 χ^2/NDF: 213378.1/10

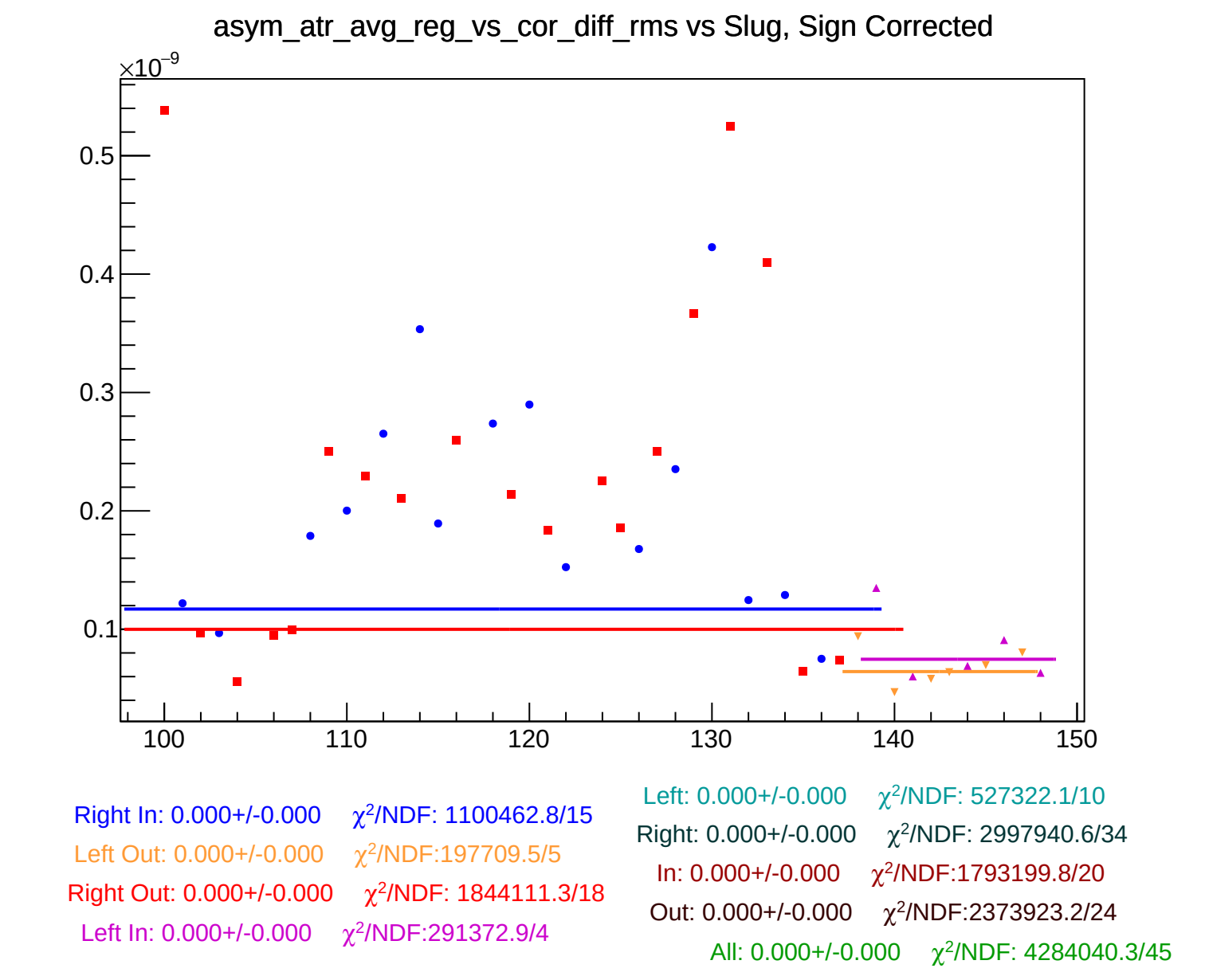
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

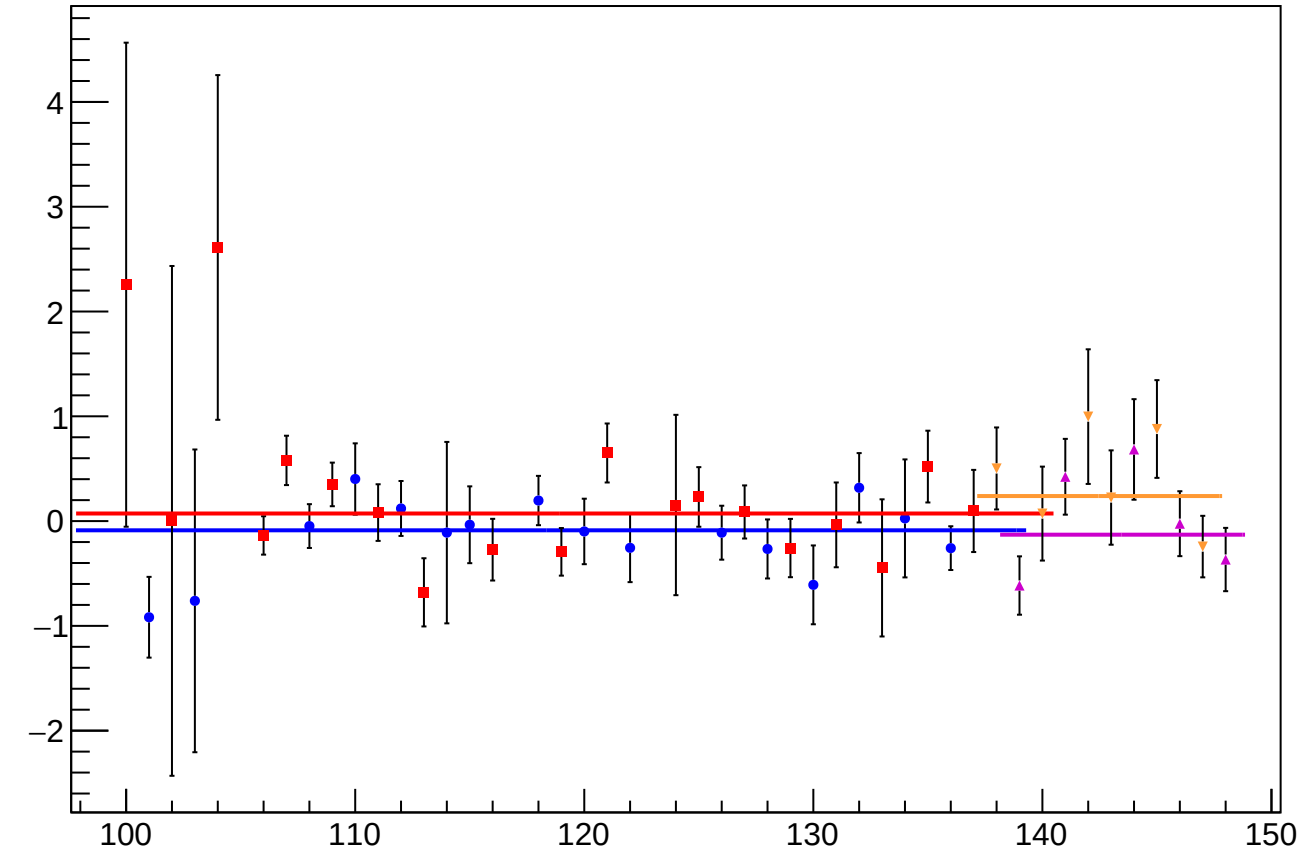
In: 4617.559+/-0.982 χ^2/NDF:1014620.7/20

Out: 4424.674+/-0.935 χ^2/NDF:1029637.1/24

All: 4516.346+/-0.677 χ^2/NDF: 2064486.0/45


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:8.7/4
Left: -0.000+/-0.000 χ²/NDF: 18.6/10
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:24.8/20
Out: -0.000+/-0.000 χ²/NDF:24.8/24
All: -0.000+/-0.000 χ²/NDF: 49.6/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:197709.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:291372.9/4
Left: 0.000+/-0.000 χ²/NDF: 527322.1/10
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:1793199.8/20
Out: 0.000+/-0.000 χ²/NDF:2373923.2/24
All: 0.000+/-0.000 χ²/NDF: 4284040.3/45



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.130+/-0.147 χ^2/NDF:9.0/4

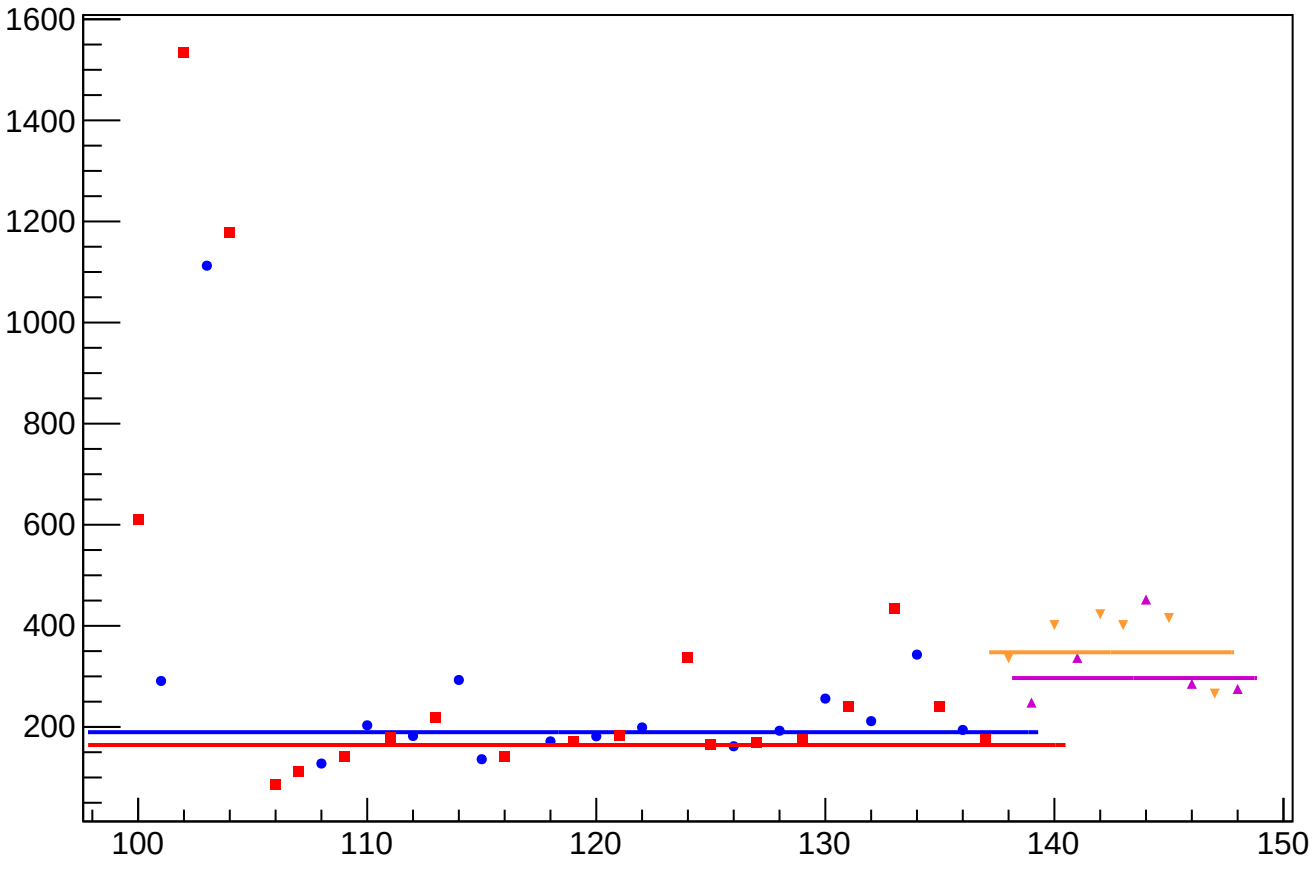
Left: 0.029+/-0.111 χ^2/NDF: 18.3/10

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.068 χ^2/NDF:22.9/20

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.005+/-0.047 χ^2/NDF: 63.2/45



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 347.682+/-0.119 χ^2/NDF:284020.1/5

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

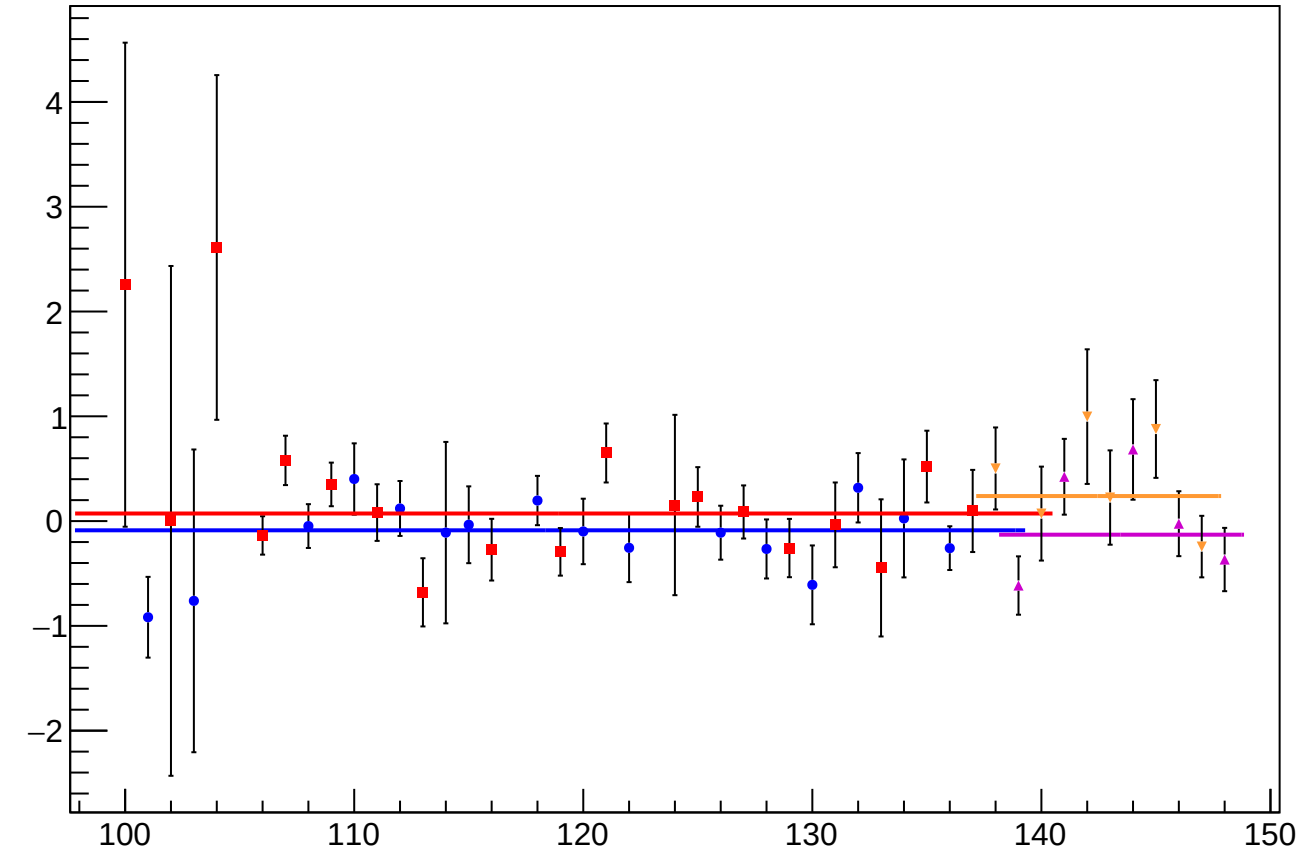
Left: 318.705+/-0.078 χ^2/NDF: 695102.2/10

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 212.575+/-0.048 χ^2/NDF:2607180.7/20

Out: 191.184+/-0.046 χ^2/NDF:4940130.9/24

All: 201.336+/-0.033 χ^2/NDF: 7651141.4/45



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.130+/-0.147 χ^2/NDF:9.0/4

Left: 0.029+/-0.111 χ^2/NDF: 18.3/10

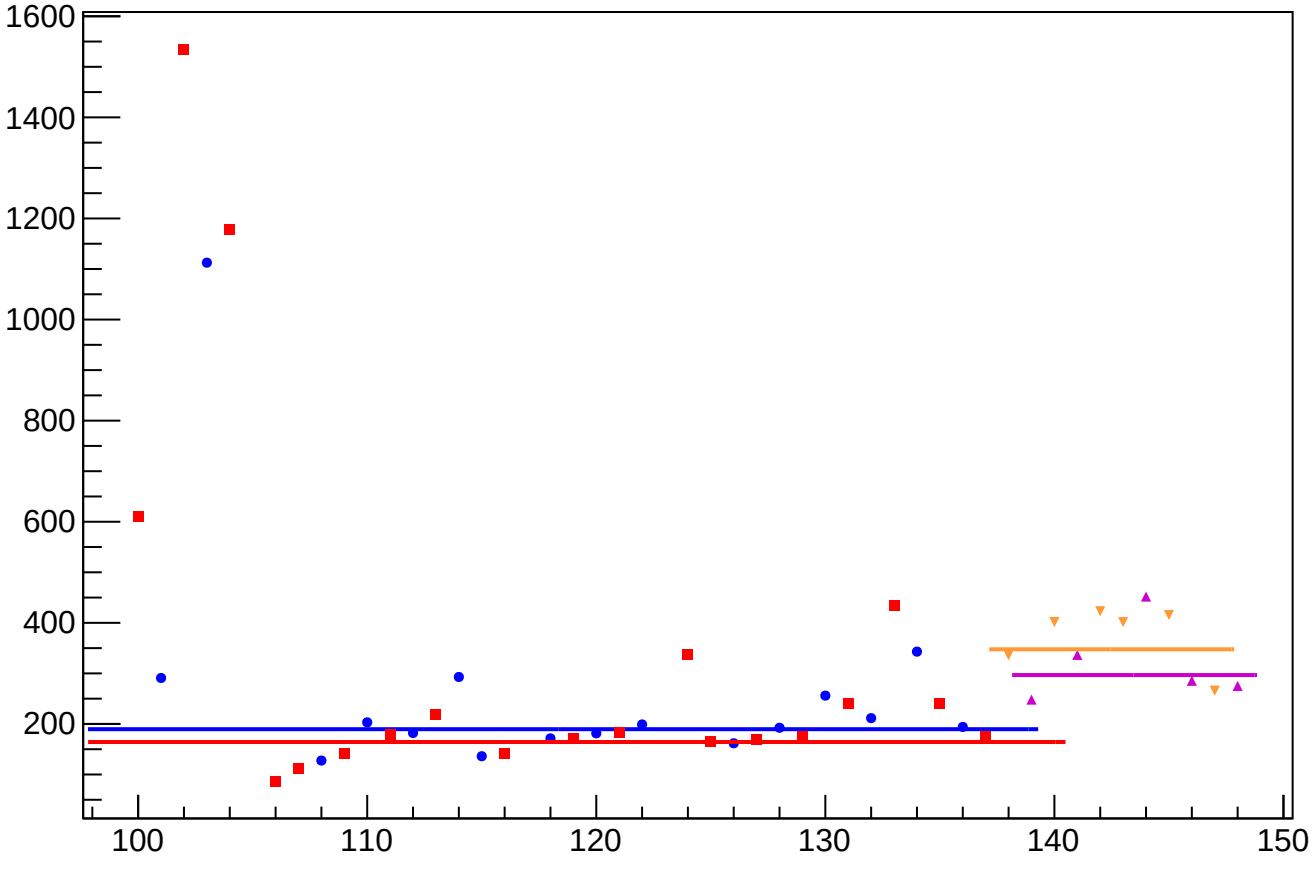
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.068 χ^2/NDF:22.9/20

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.005+/-0.047 χ^2/NDF: 63.2/45

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: 347.682+/-0.119 χ^2/NDF:284020.1/5

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

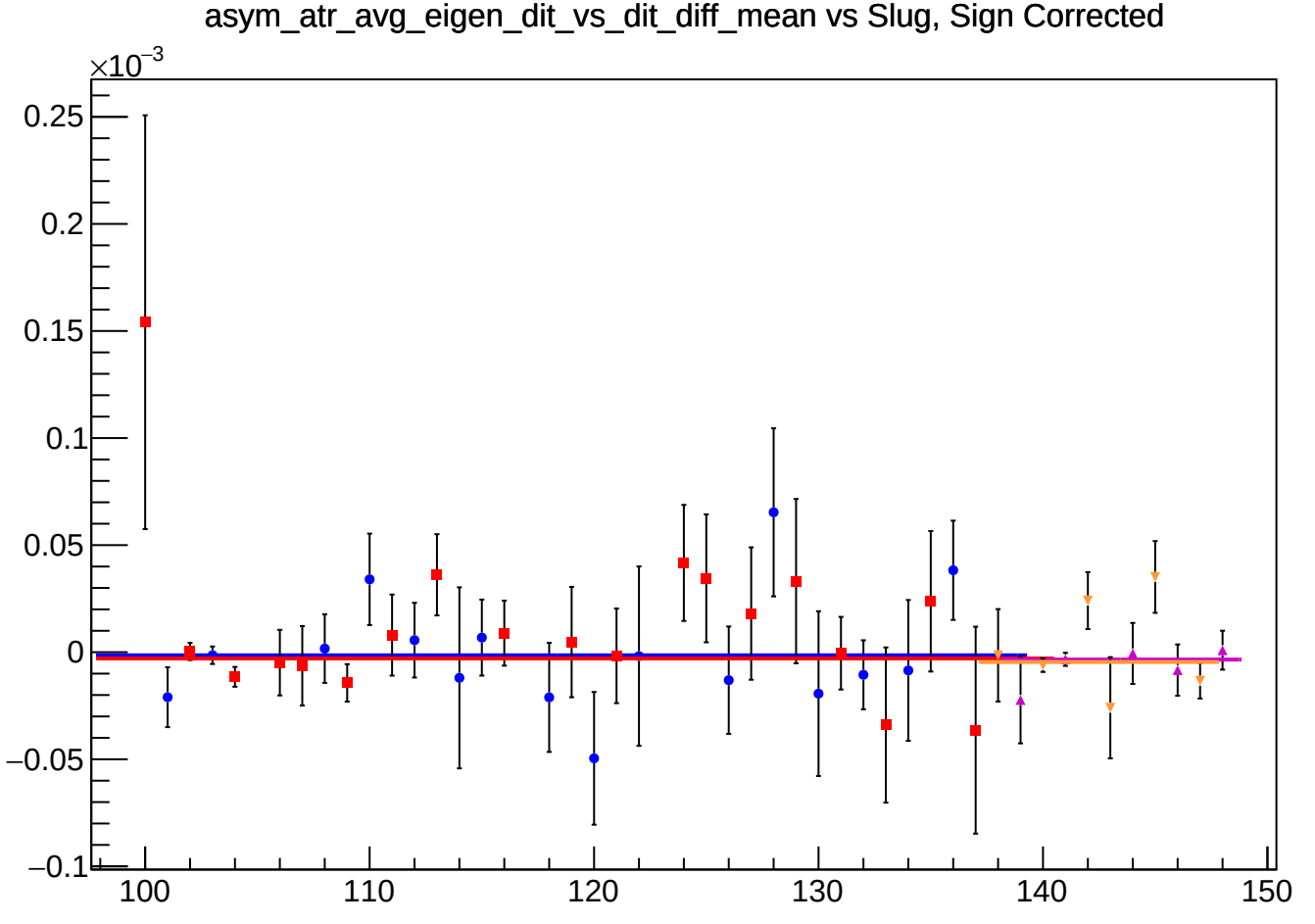
Left: 318.705+/-0.078 χ^2/NDF: 695102.2/10

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 212.575+/-0.048 χ^2/NDF:2607180.7/20

Out: 191.184+/-0.046 χ^2/NDF:4940130.9/24

All: 201.336+/-0.033 χ^2/NDF: 7651141.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

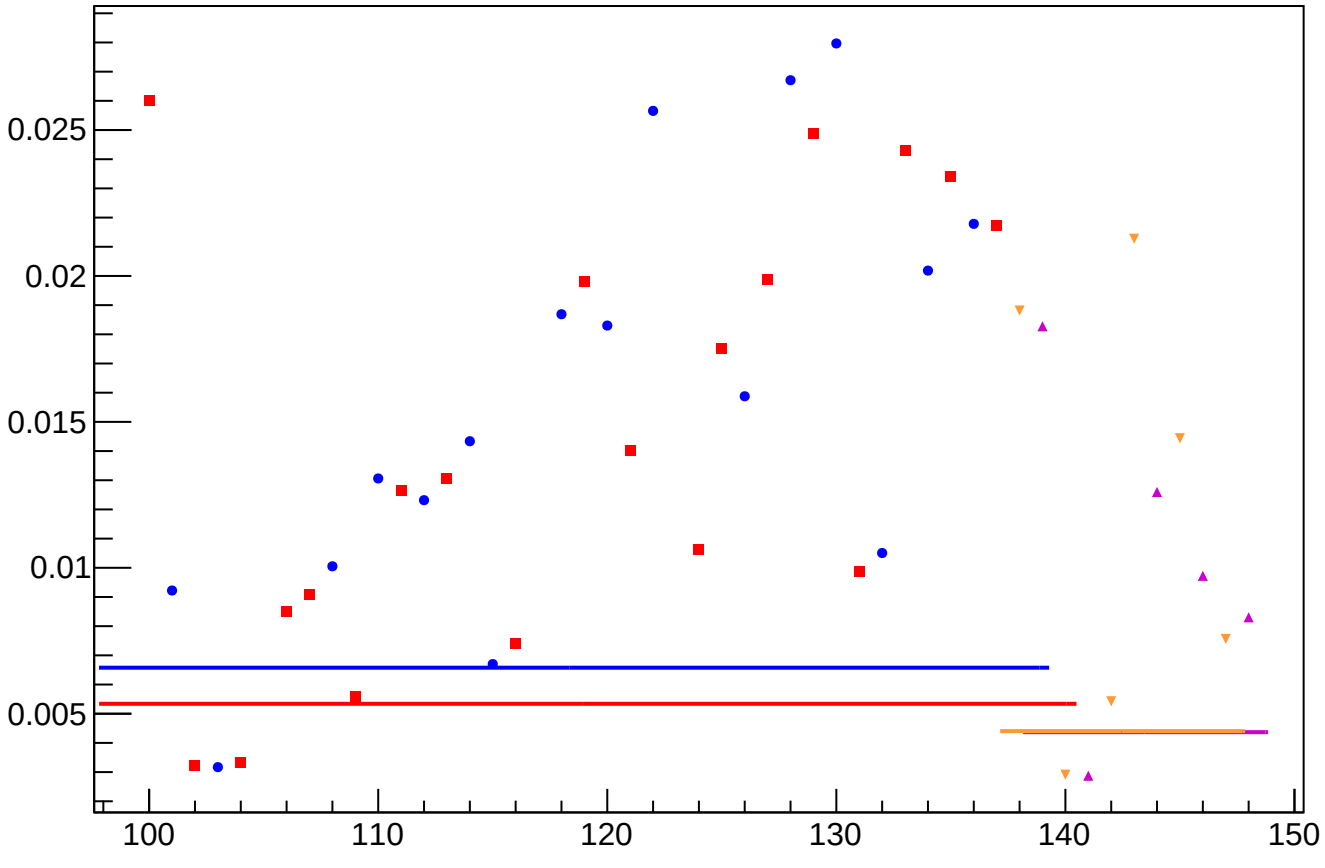
Left: -0.000+/-0.000 χ^2/NDF: 13.8/10

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:16.4/20

Out: -0.000+/-0.000 χ^2/NDF:33.9/24

All: -0.000+/-0.000 χ^2/NDF: 50.4/45



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:3372866.5/5

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.004+/-0.000 χ^2/NDF:2862361.9/4

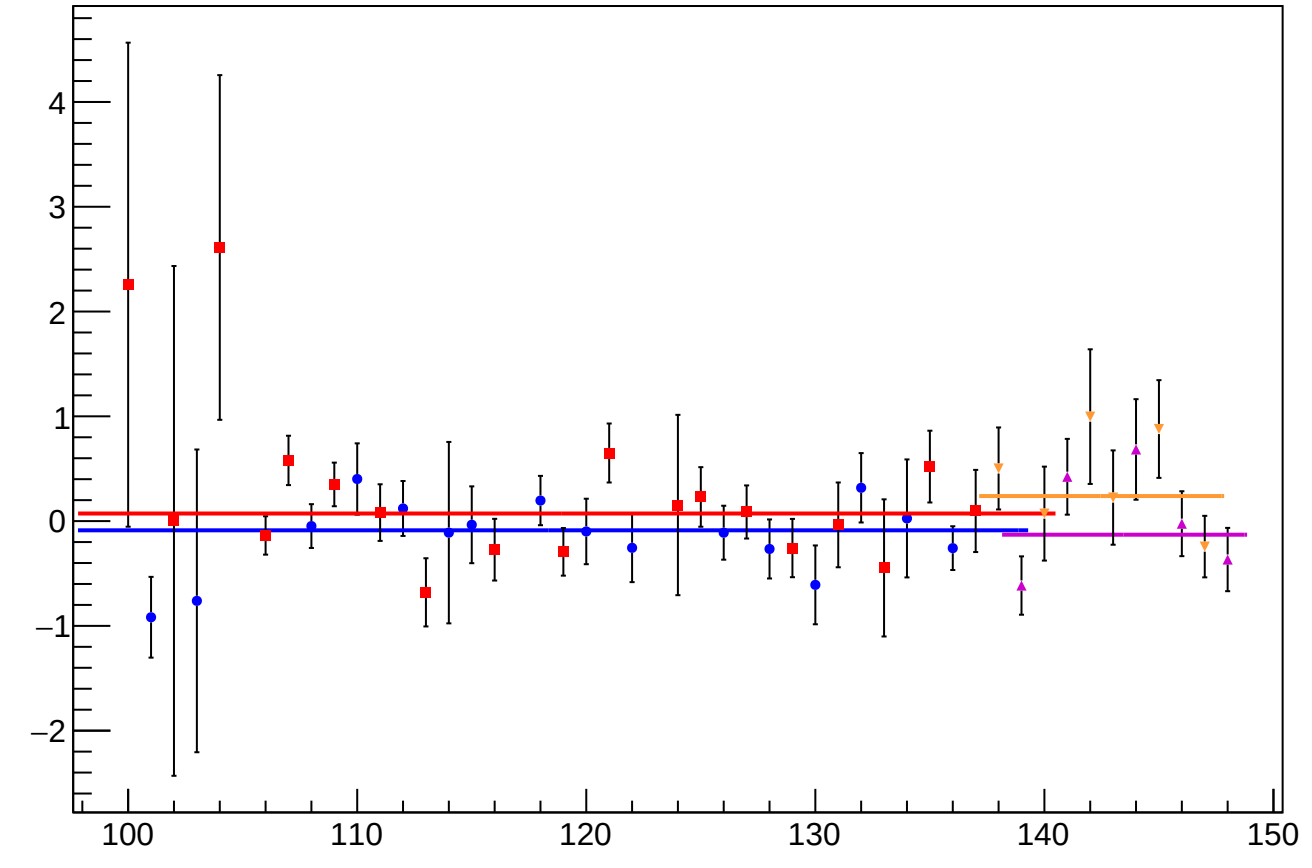
Left: 0.004+/-0.000 χ^2/NDF: 6235395.4/10

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9318778.0/20

Out: 0.005+/-0.000 χ^2/NDF:9180012.0/24

All: 0.005+/-0.000 χ^2/NDF: 18529375.4/45



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.130+/-0.147 χ^2/NDF:9.0/4

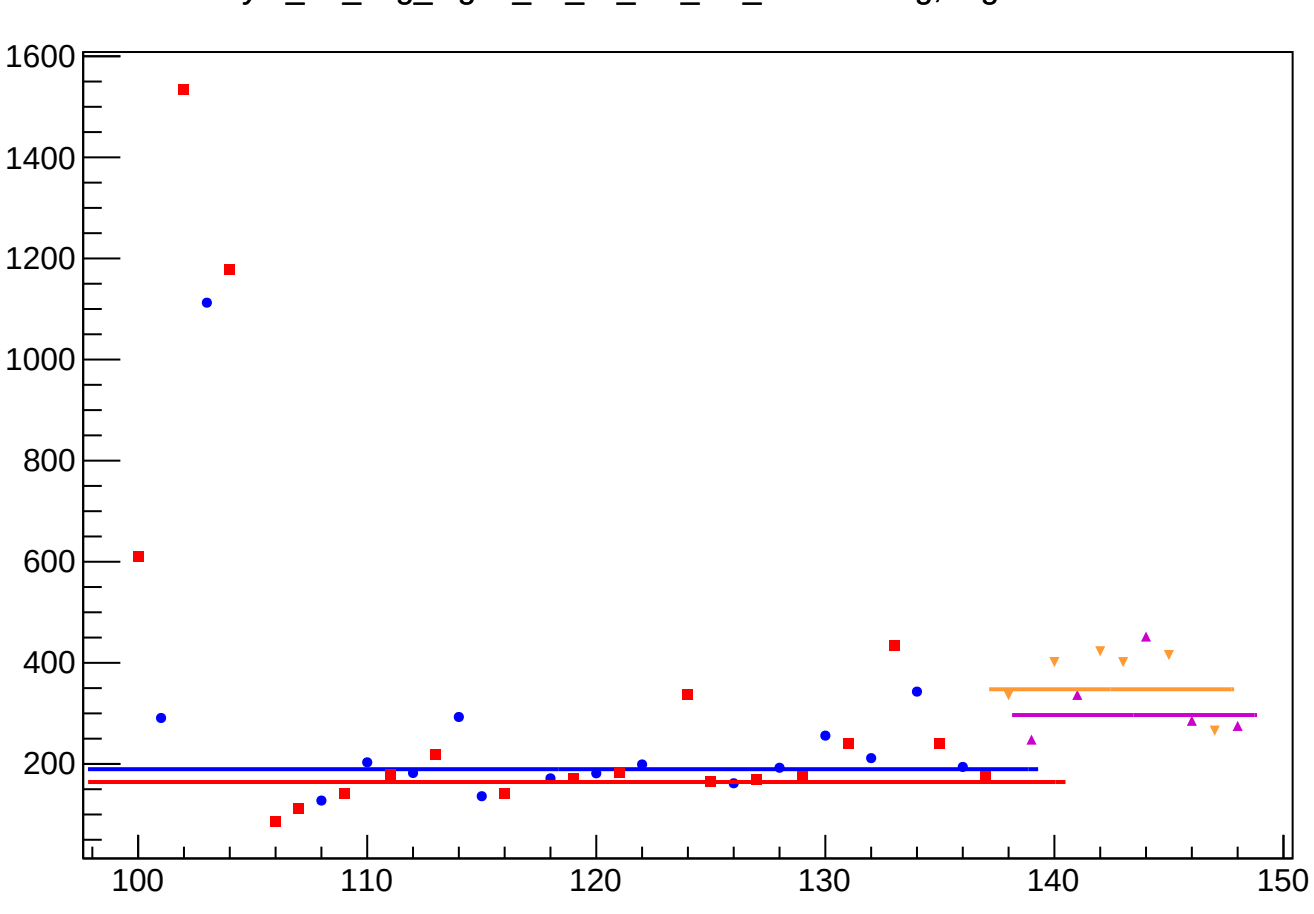
Left: 0.029+/-0.111 χ^2/NDF: 18.3/10

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.068 χ^2/NDF:22.9/20

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.005+/-0.047 χ^2/NDF: 63.2/45



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 347.687+/-0.119 χ^2/NDF:284008.6/5

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

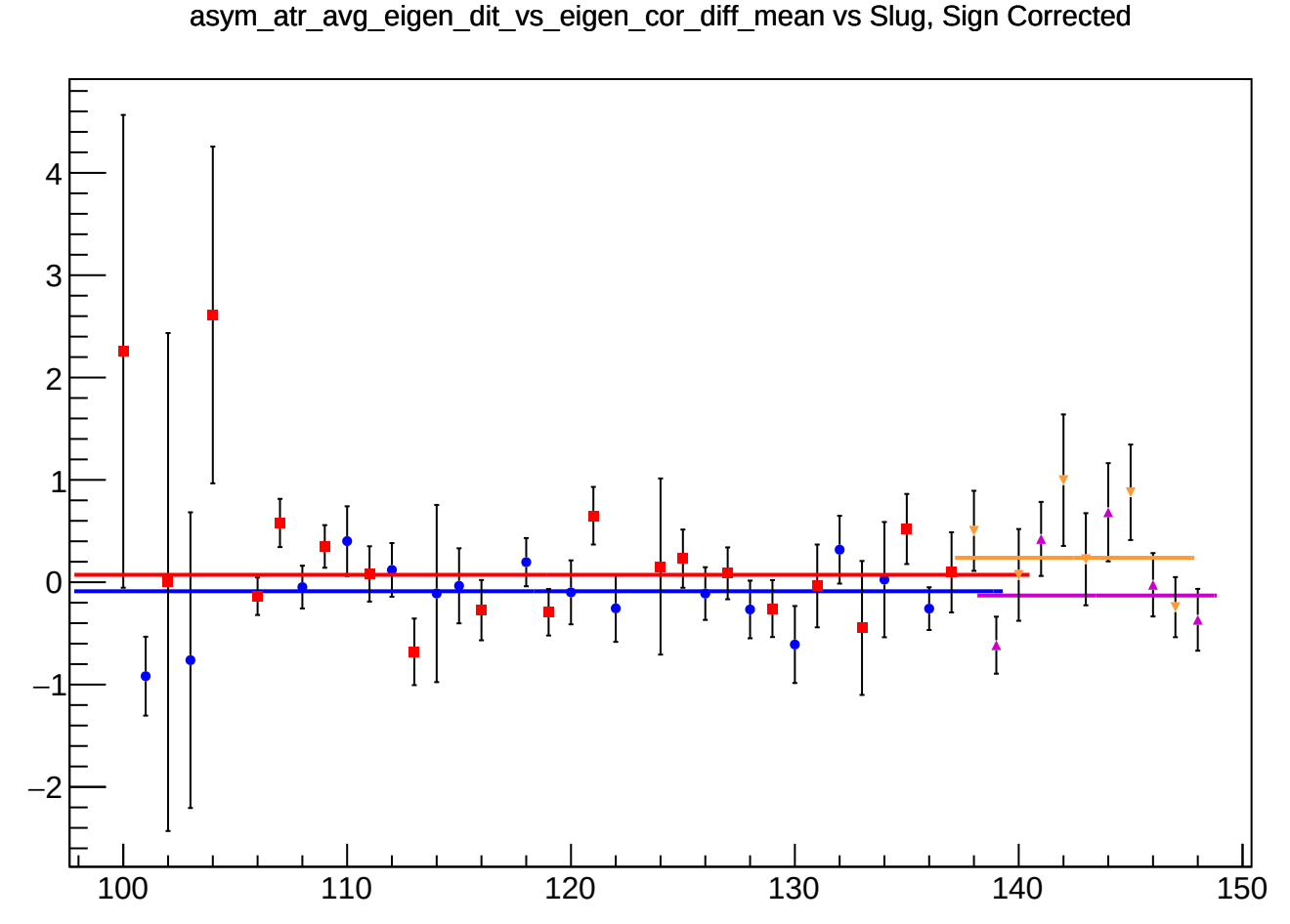
Left: 318.709+/-0.078 χ^2/NDF: 695077.5/10

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

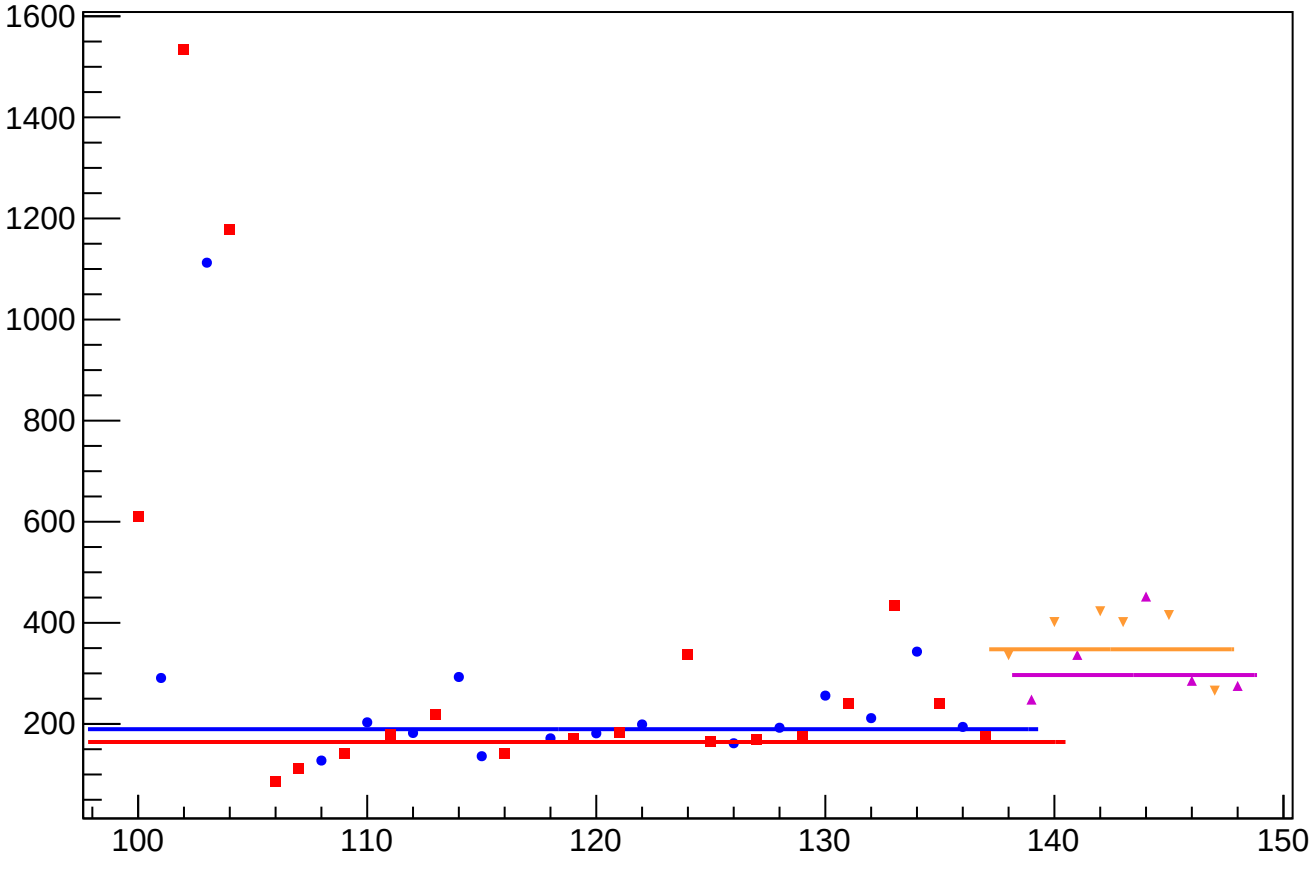
In: 212.575+/-0.048 χ^2/NDF:2607218.5/20

Out: 191.184+/-0.046 χ^2/NDF:4940175.1/24

All: 201.336+/-0.033 χ^2/NDF: 7651228.6/45


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.239+/-0.169 χ²/NDF:6.6/5
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.130+/-0.147 χ²/NDF:9.0/4
Left: 0.029+/-0.111 χ²/NDF: 18.3/10
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.097+/-0.068 χ²/NDF:22.9/20
Out: 0.097+/-0.065 χ²/NDF:36.1/24
All: 0.005+/-0.047 χ²/NDF: 63.2/45

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: 347.687+/-0.119 χ^2/NDF:284008.6/5

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

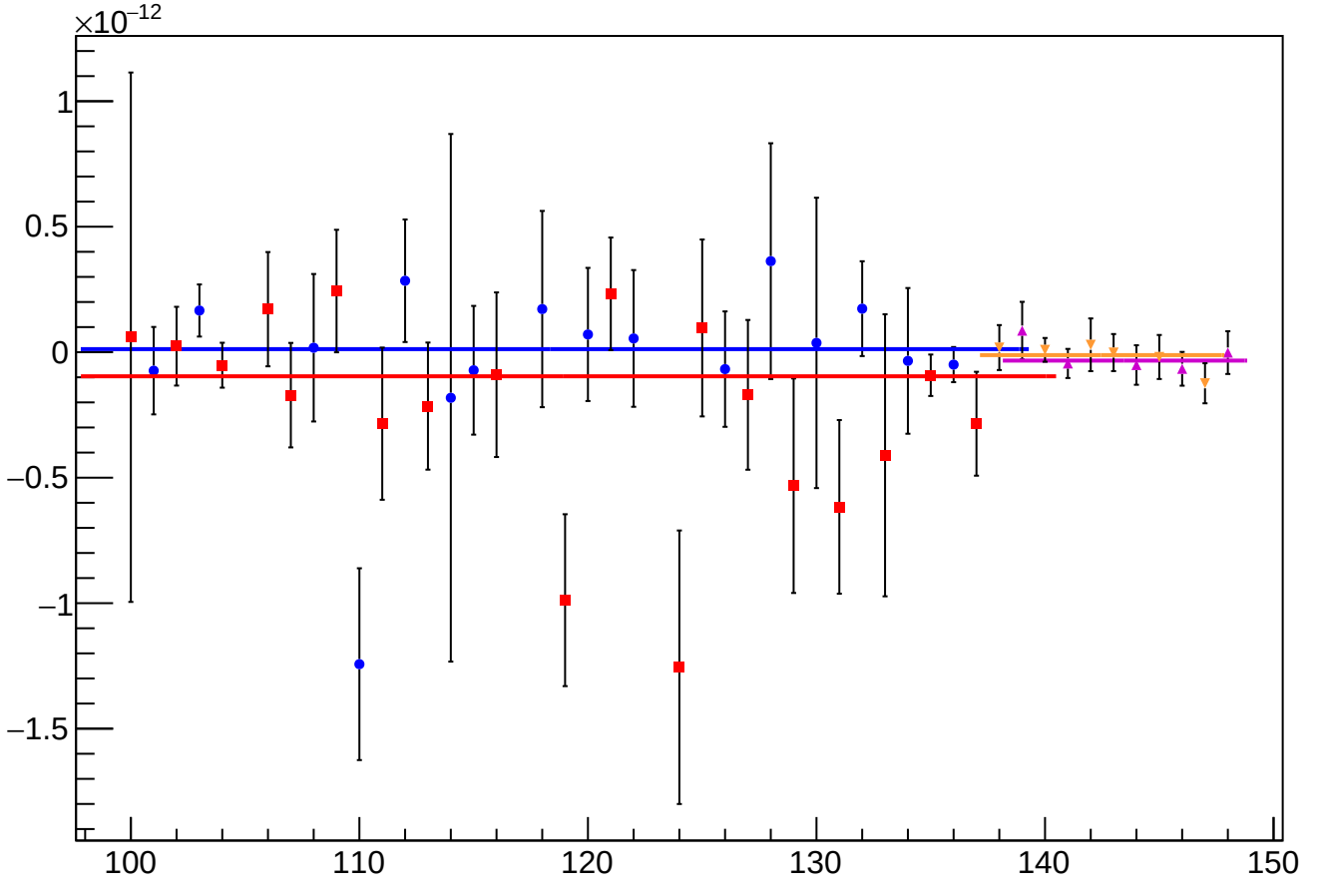
Left: 318.709+/-0.078 χ^2/NDF: 695077.5/10

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 212.575+/-0.048 χ^2/NDF:2607218.5/20

Out: 191.184+/-0.046 χ^2/NDF:4940175.1/24

All: 201.336+/-0.033 χ^2/NDF: 7651228.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

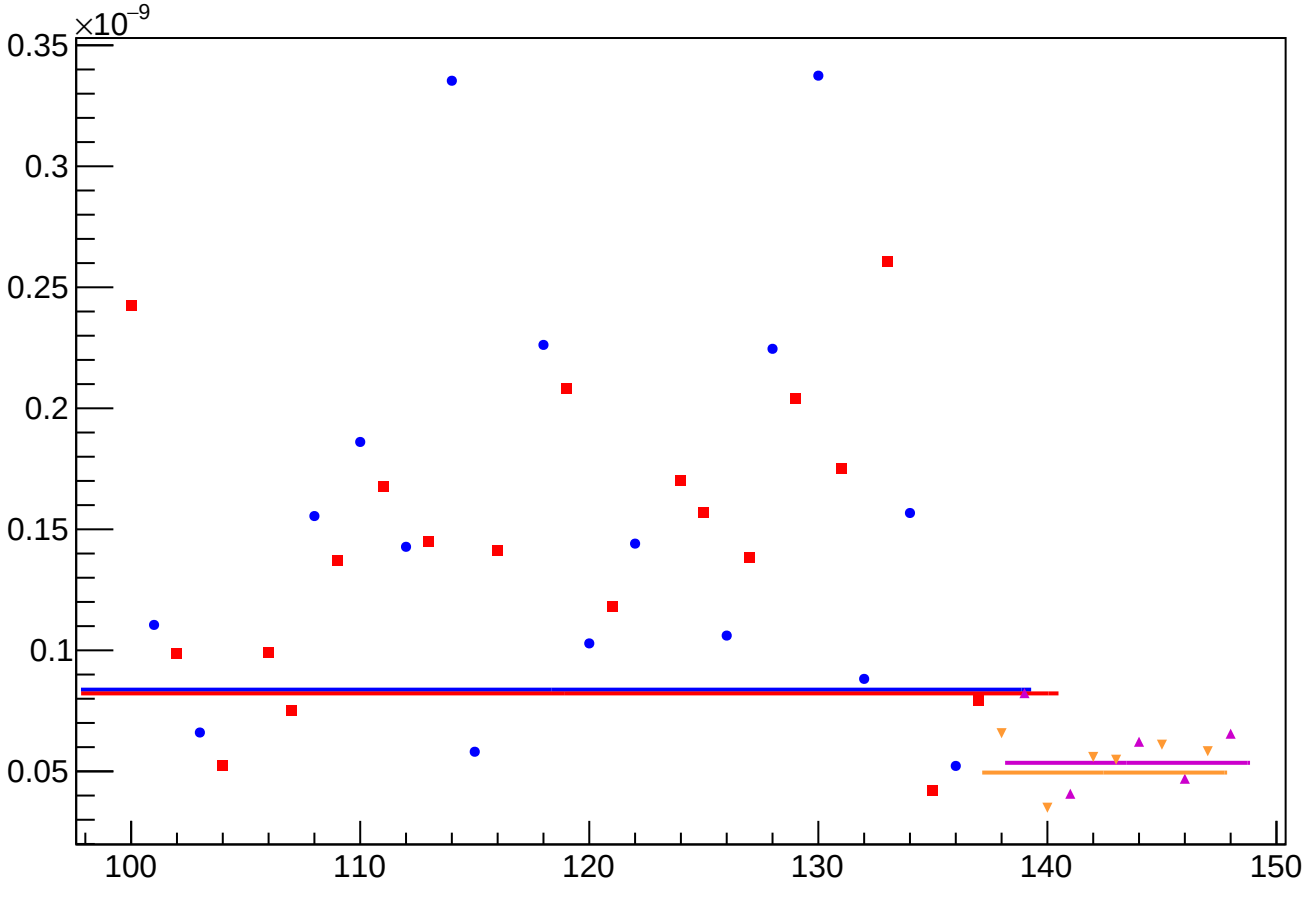
Left: -0.000+/-0.000 χ^2/NDF: 4.2/10

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:19.3/20

Out: -0.000+/-0.000 χ^2/NDF:28.1/24

All: -0.000+/-0.000 χ^2/NDF: 47.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:330547.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:306458.6/4

Left: 0.000+/-0.000 χ^2/NDF: 653212.8/10

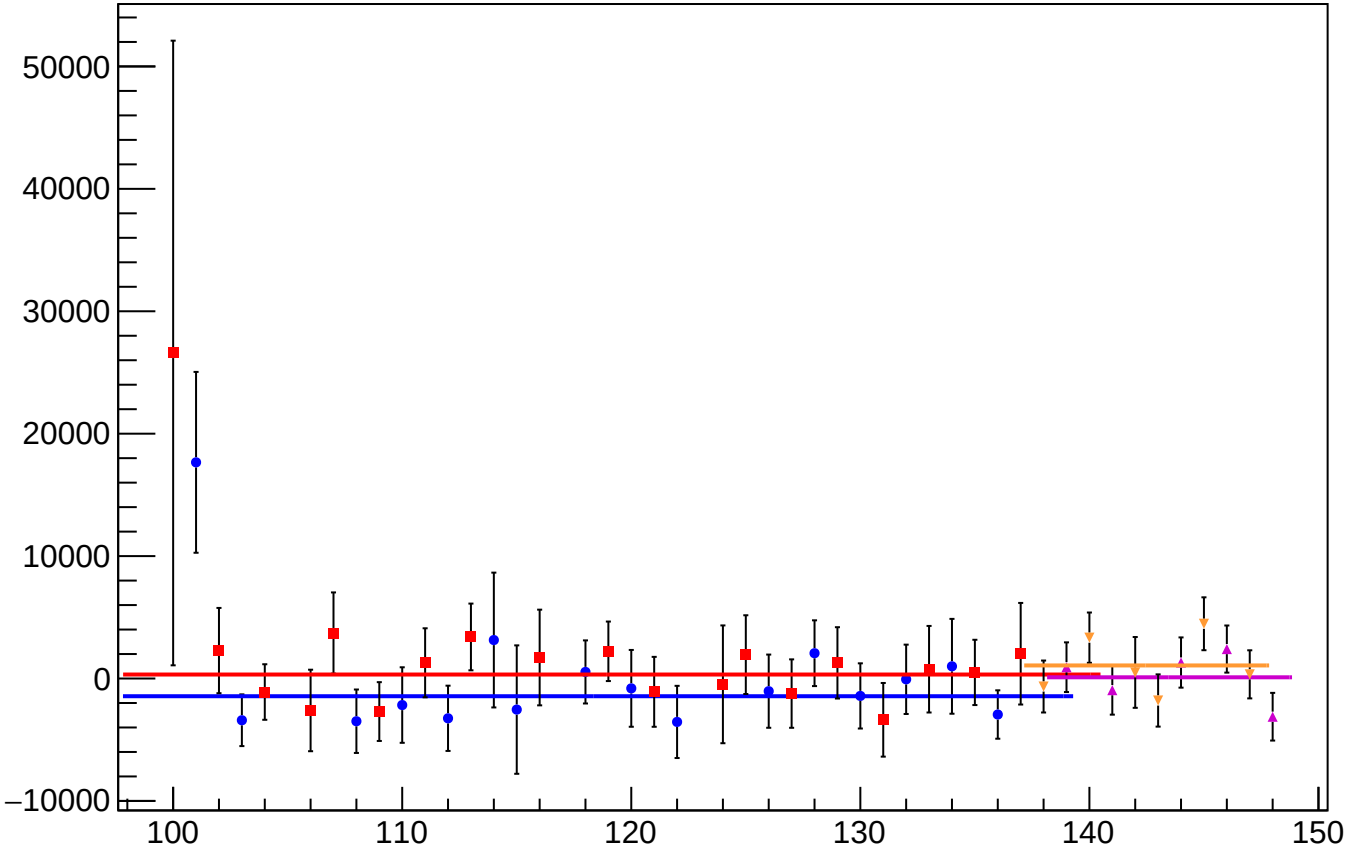
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2987370.2/20

Out: 0.000+/-0.000 χ^2/NDF:3343826.8/24

All: 0.000+/-0.000 χ^2/NDF: 6362715.4/45

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1067.997+/-886.721 χ^2/NDF:6.3/5

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 99.076+/-889.616 χ^2/NDF:5.0/4

Left: 585.115+/-628.027 χ^2/NDF: 11.9/10

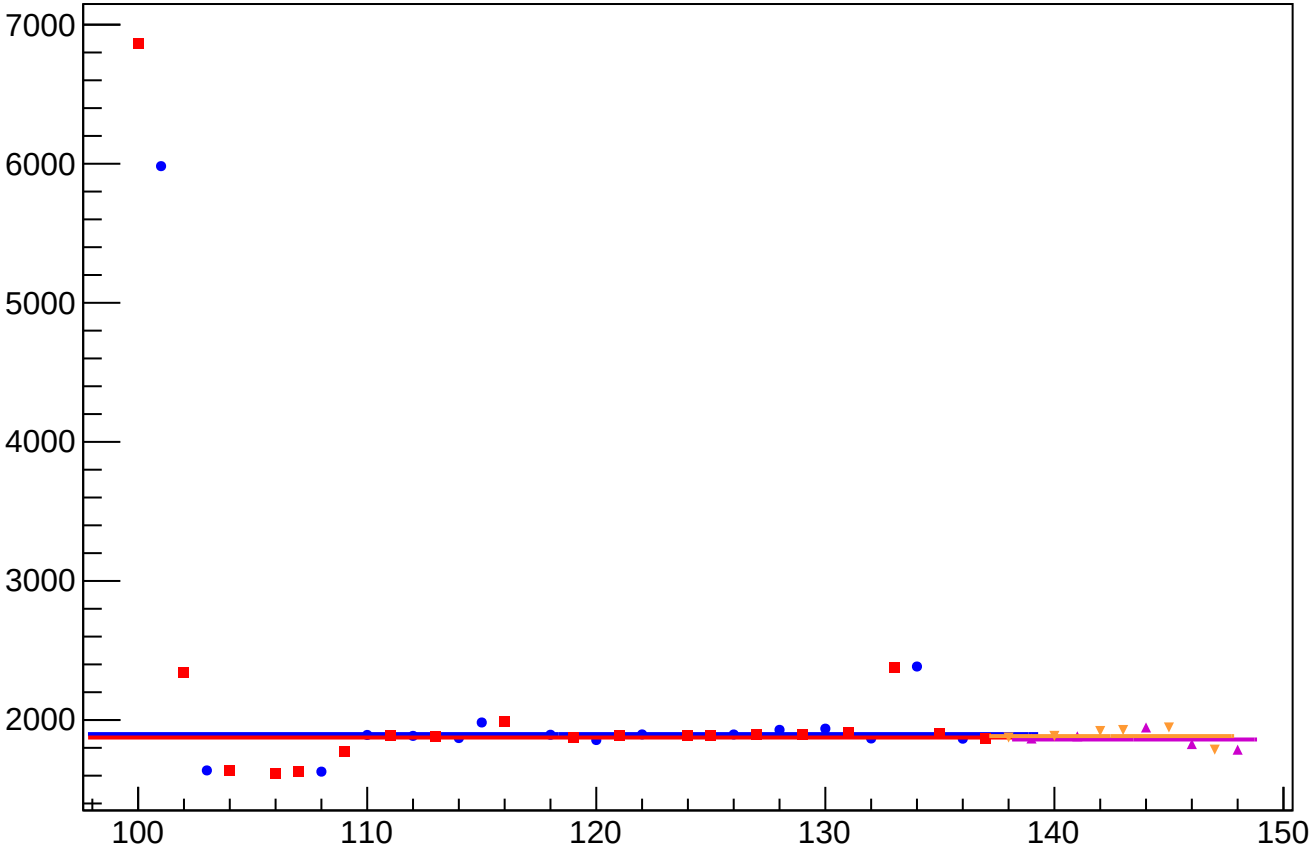
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -831.599+/-561.138 χ^2/NDF:20.3/20

Out: 612.145+/-550.709 χ^2/NDF:16.7/24

All: -96.185+/-393.045 χ^2/NDF: 40.4/45

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

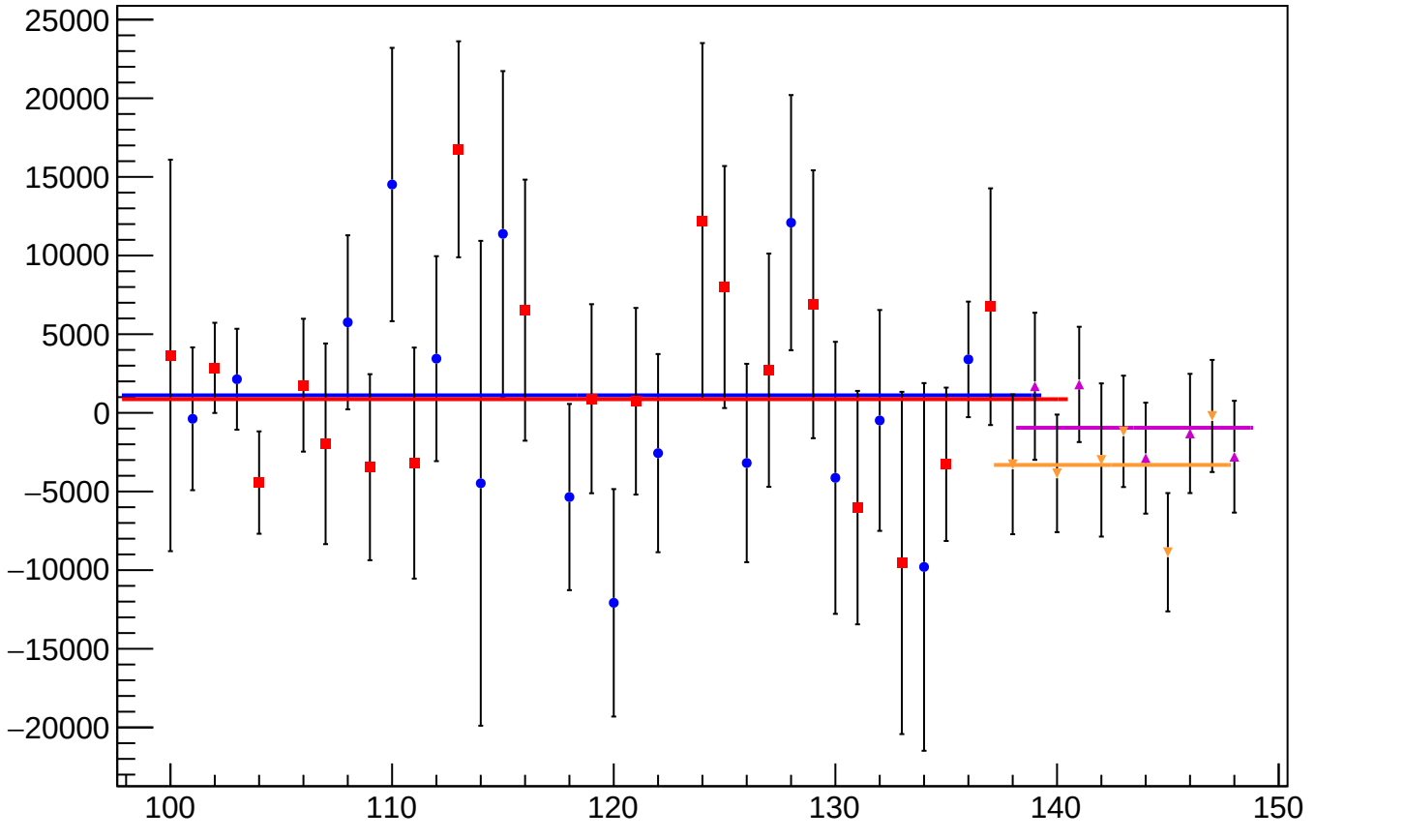
Left: 1872.317+/-0.444 χ^2/NDF: 15780.0/10

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1883.400+/-0.397 χ^2/NDF:707052.9/20

Out: 1878.188+/-0.389 χ^2/NDF:215593.5/24

All: 1880.740+/-0.278 χ^2/NDF: 922734.4/45



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3312.428+/-1594.098 χ^2/NDF:3.3/5

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -949.980+/-1691.834 χ^2/NDF:1.5/4

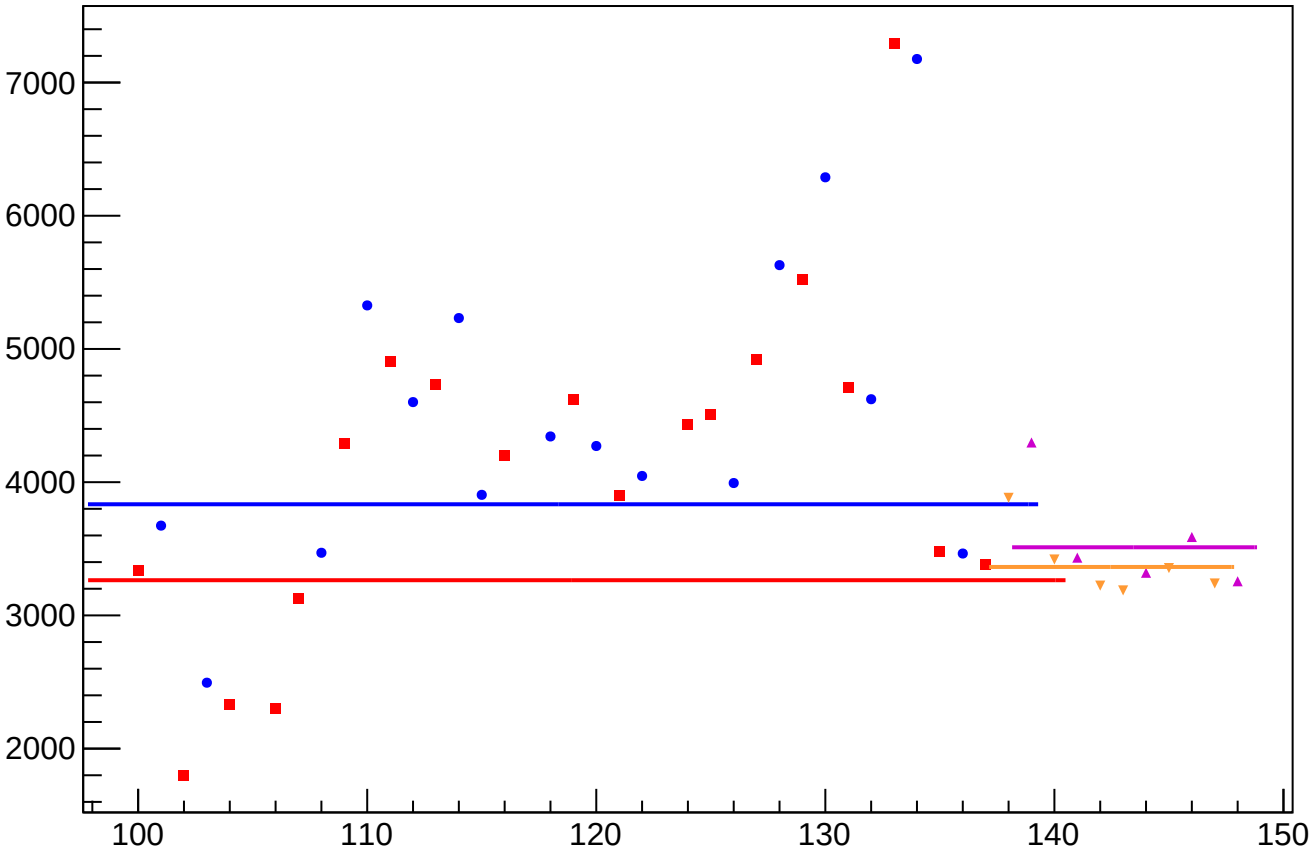
Left: -2201.410+/-1160.211 χ^2/NDF: 5.8/10

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 219.012+/-1113.616 χ^2/NDF:15.7/20

Out: -813.480+/-1010.814 χ^2/NDF:23.1/24

All: -347.080+/-748.465 χ^2/NDF: 39.2/45



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3363.578+/-1.127 χ^2/NDF:36750.1/5

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3511.301+/-1.196 χ^2/NDF:74509.1/4

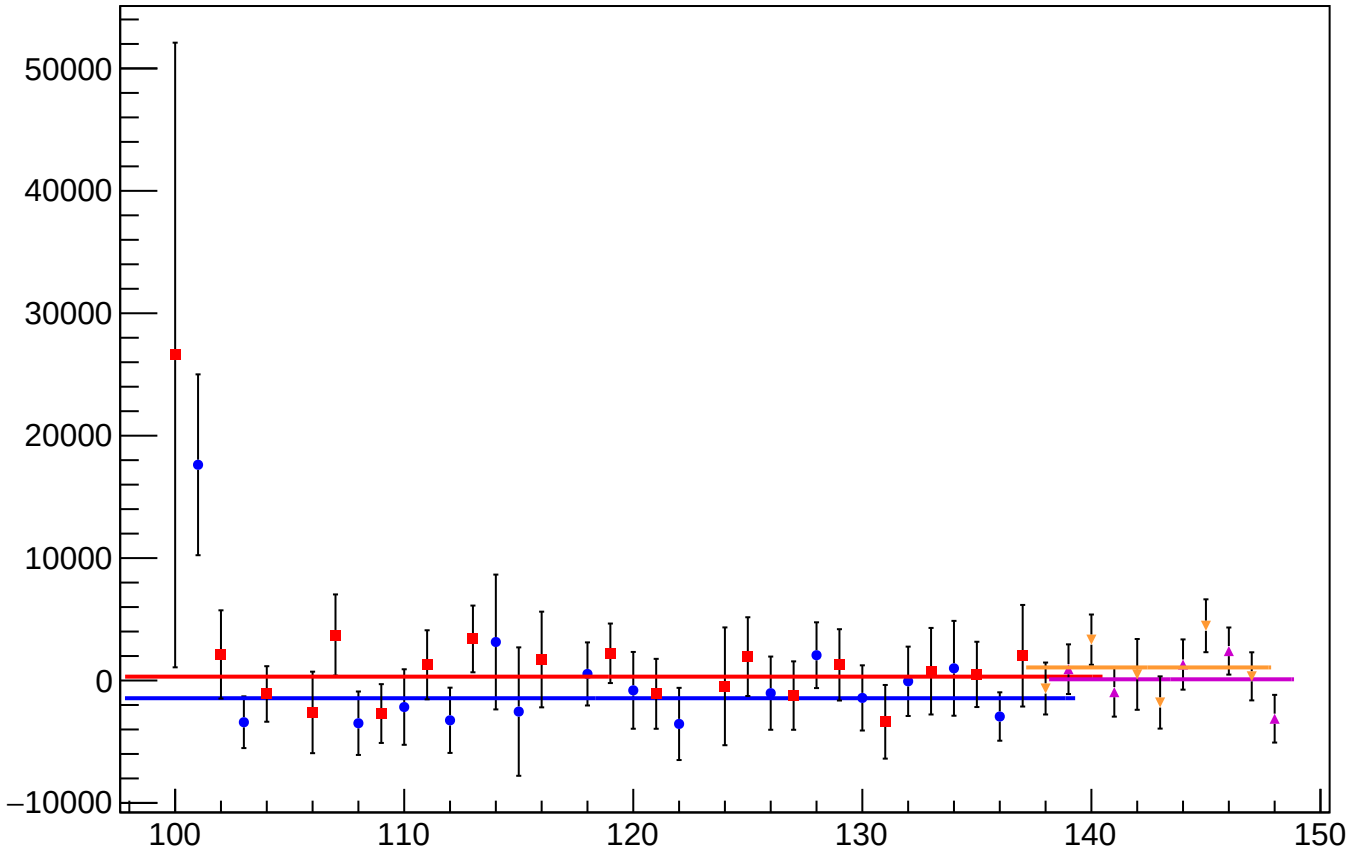
Left: 3433.049+/-0.820 χ^2/NDF: 119336.3/10

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3694.278+/-0.787 χ^2/NDF:1072563.8/20

Out: 3304.104+/-0.715 χ^2/NDF:1905647.4/24

All: 3480.355+/-0.529 χ^2/NDF: 3112820.7/45



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1068.057+/-886.721 χ^2/NDF:6.3/5

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 98.936+/-889.616 χ^2/NDF:5.0/4

Left: 585.076+/-628.027 χ^2/NDF: 11.9/10

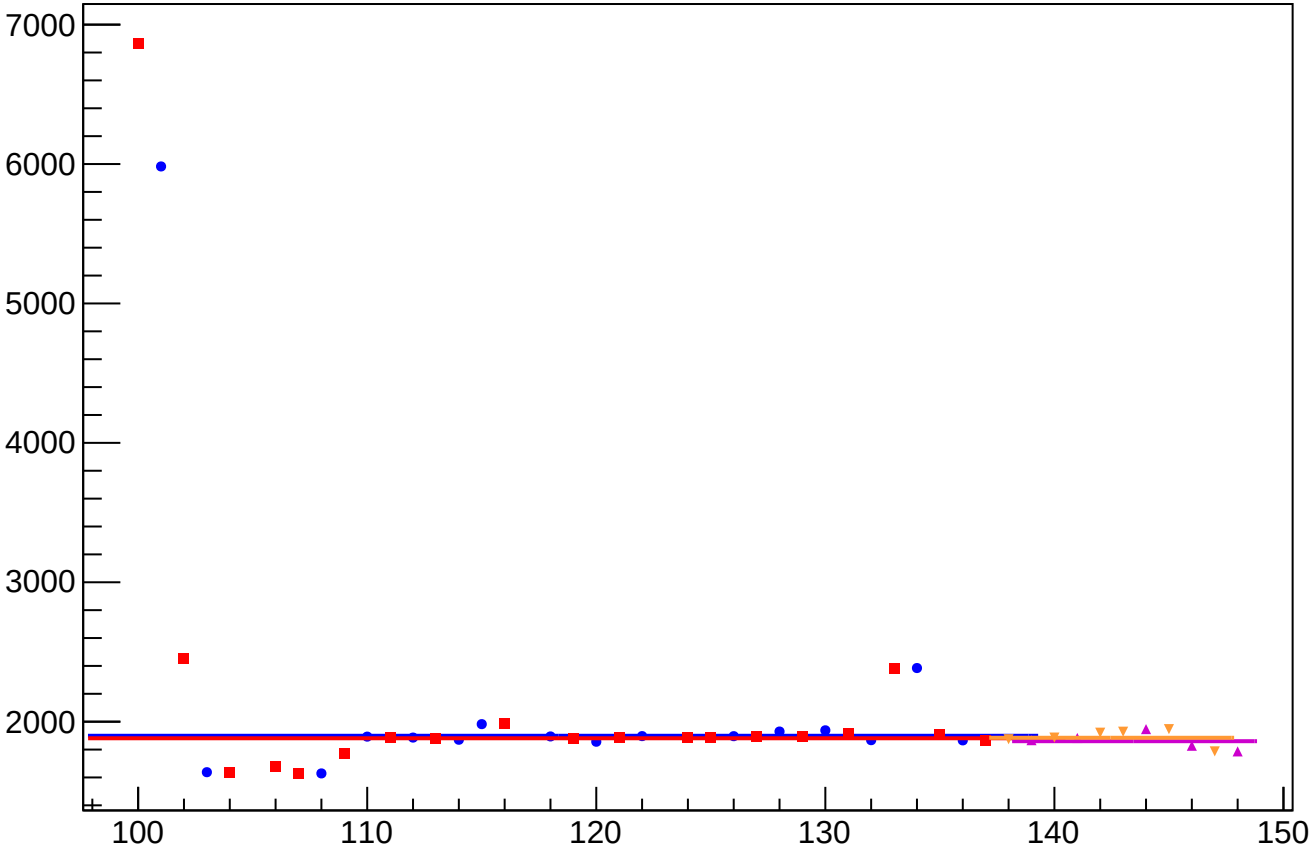
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -831.887+/-561.138 χ^2/NDF:20.3/20

Out: 606.233+/-551.164 χ^2/NDF:16.7/24

All: -99.933+/-393.211 χ^2/NDF: 40.3/45

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

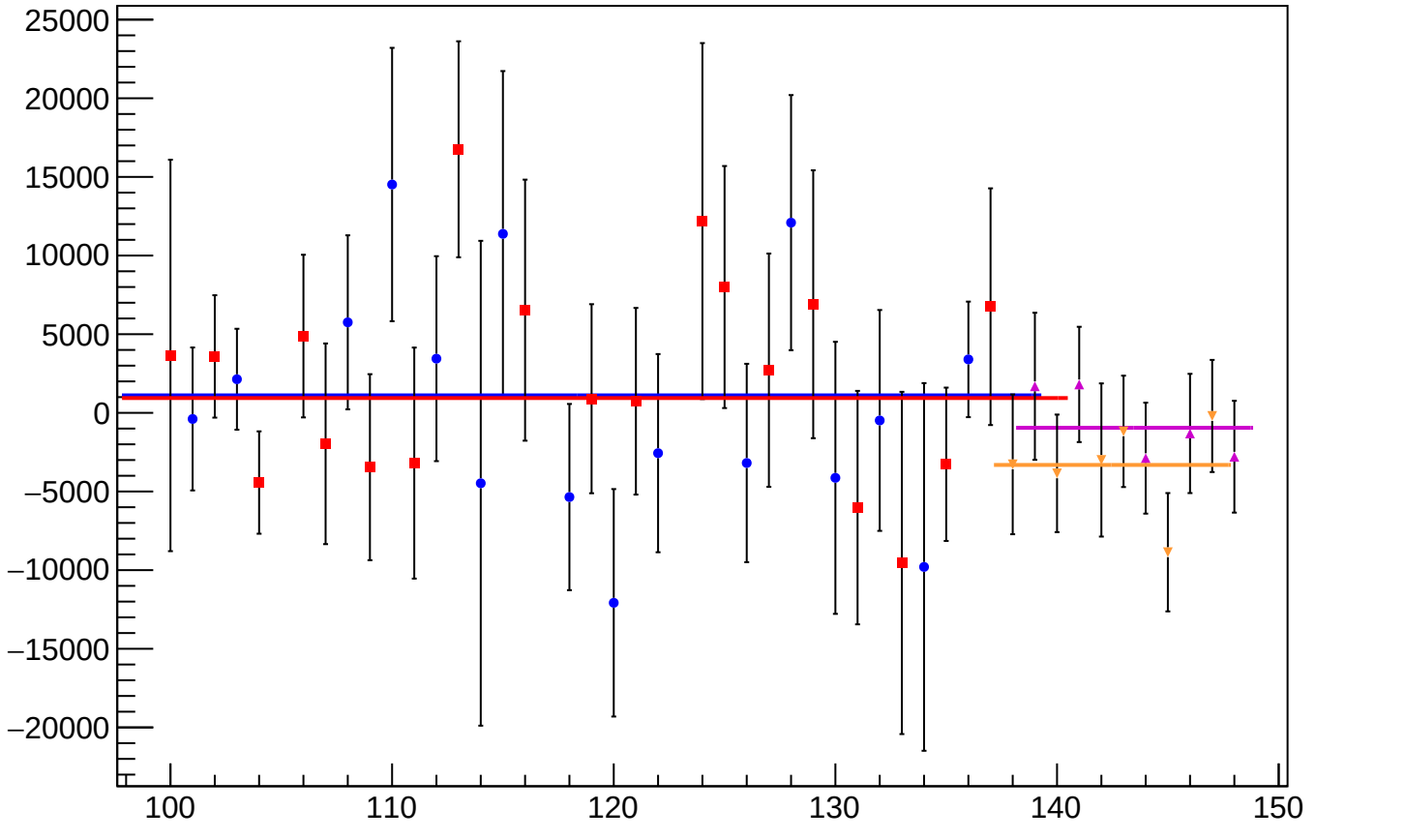
Left: 1872.317+/-0.444 χ^2/NDF: 15780.0/10

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1883.400+/-0.397 χ^2/NDF:707053.1/20

Out: 1882.354+/-0.389 χ^2/NDF:224354.6/24

All: 1882.867+/-0.278 χ^2/NDF: 931411.2/45



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3312.190+/-1594.094 χ^2/NDF:3.3/5

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -950.148+/-1691.830 χ^2/NDF:1.5/4

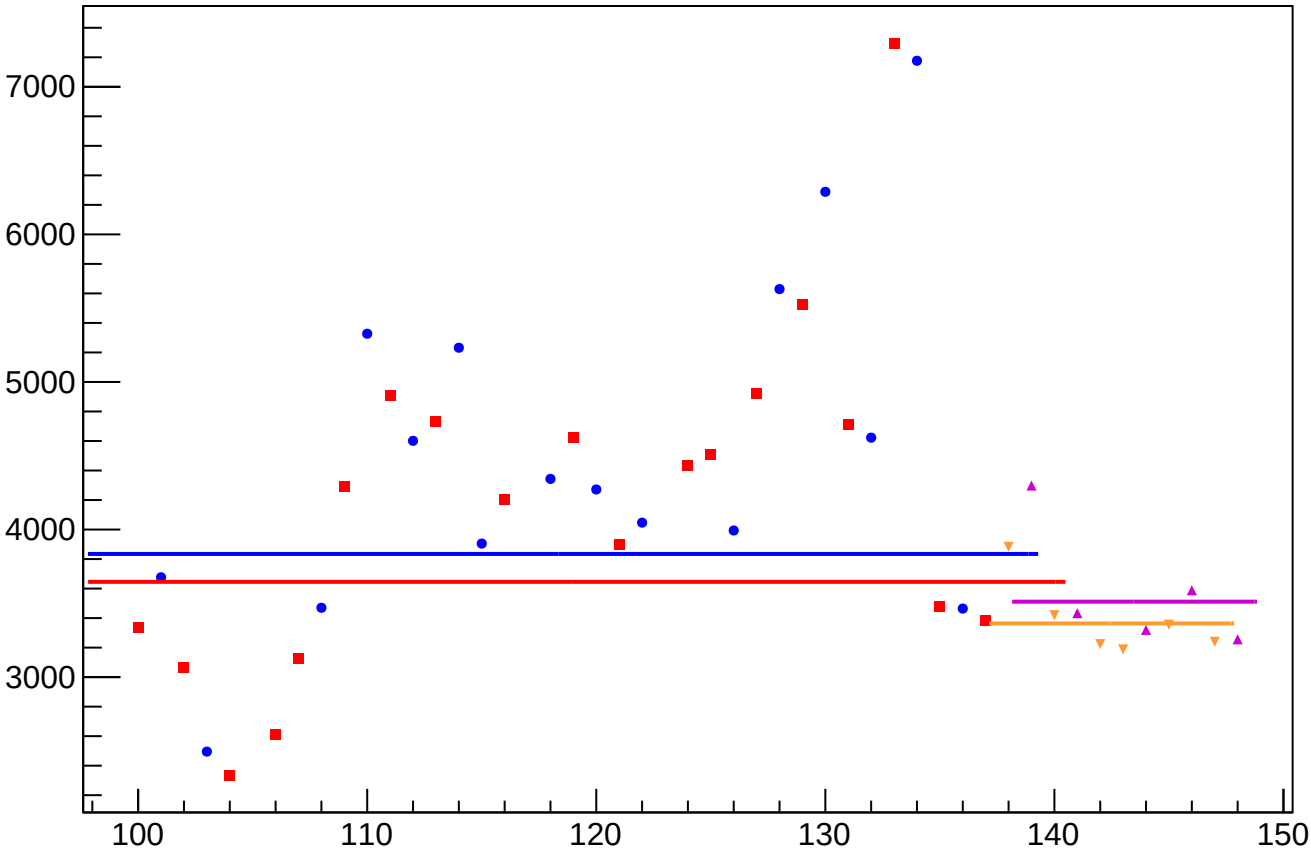
Left: -2201.363+/-1160.209 χ^2/NDF: 5.8/10

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 218.155+/-1113.688 χ^2/NDF:15.7/20

Out: -909.691+/-1051.488 χ^2/NDF:23.5/24

All: -378.142+/-764.558 χ^2/NDF: 39.8/45



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3363.570+/-1.127 χ^2/NDF:36752.1/5

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

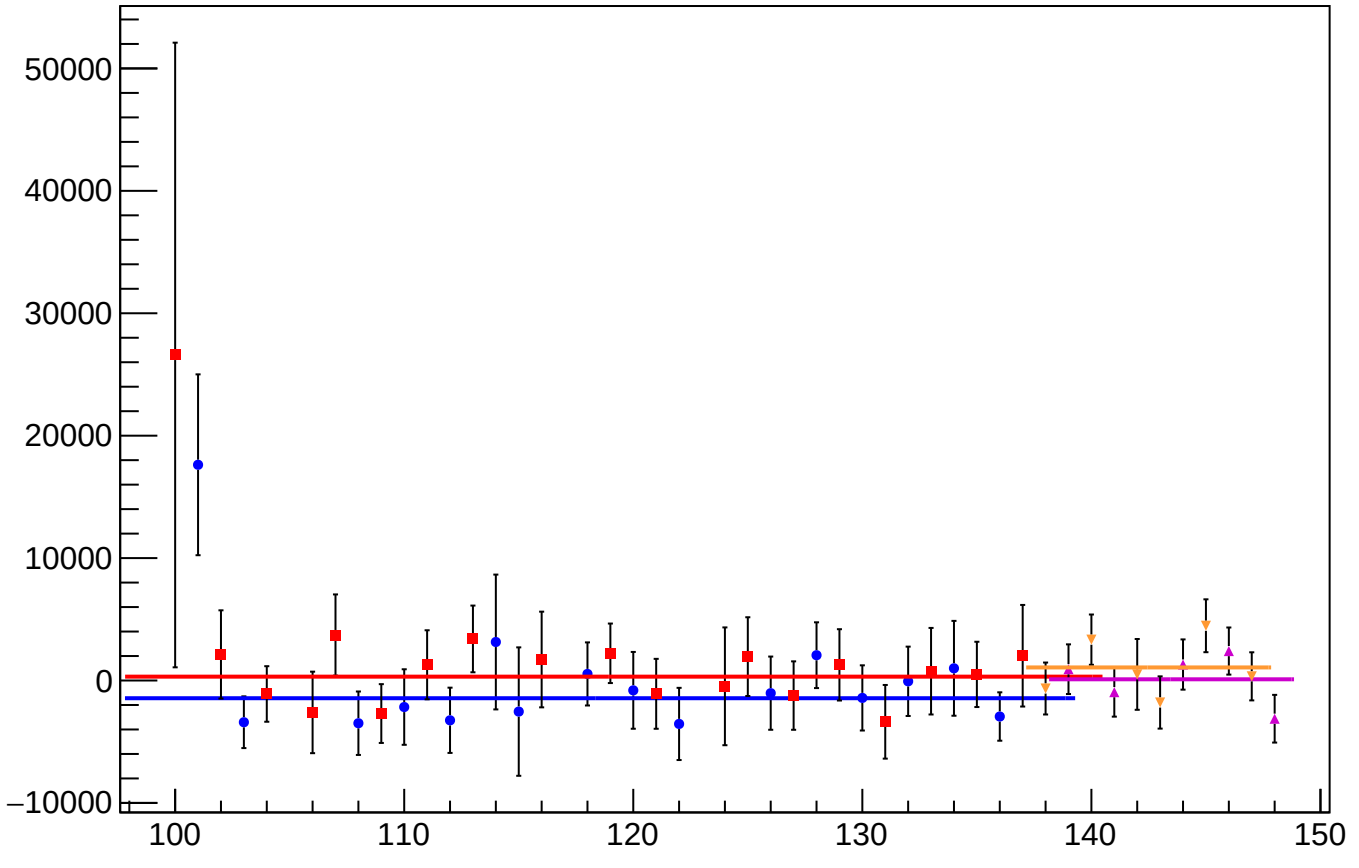
Left: 3433.042+/-0.820 χ^2/NDF: 119337.3/10

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3694.554+/-0.787 χ^2/NDF:1072231.9/20

Out: 3522.942+/-0.744 χ^2/NDF:1197120.4/24

All: 3603.822+/-0.541 χ^2/NDF: 2294460.3/45



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1068.057+/-886.721 χ^2/NDF:6.3/5

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 98.936+/-889.616 χ^2/NDF:5.0/4

Left: 585.076+/-628.027 χ^2/NDF: 11.9/10

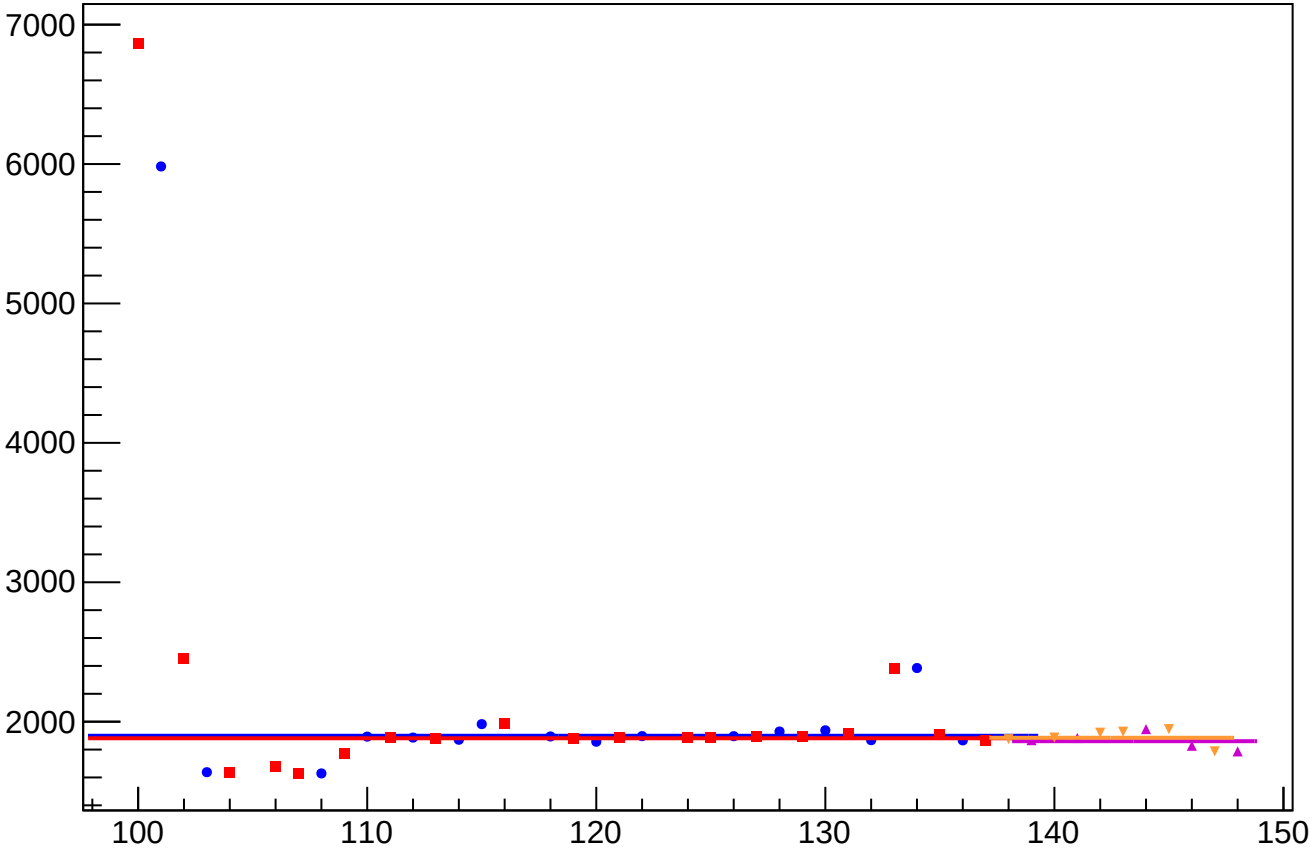
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -831.887+/-561.138 χ^2/NDF:20.3/20

Out: 606.233+/-551.164 χ^2/NDF:16.7/24

All: -99.933+/-393.211 χ^2/NDF: 40.3/45

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

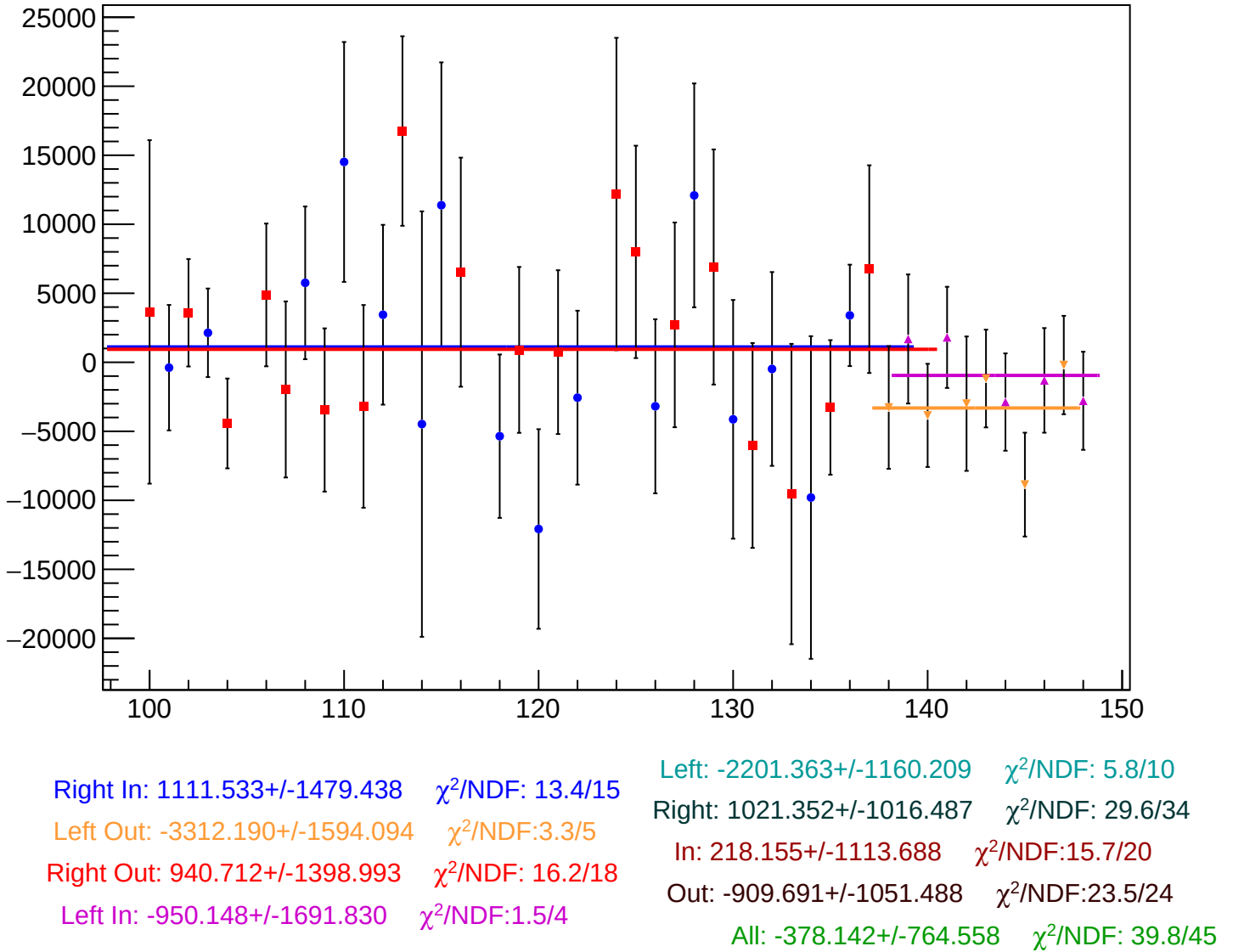
Left: 1872.317+/-0.444 χ^2/NDF: 15780.0/10

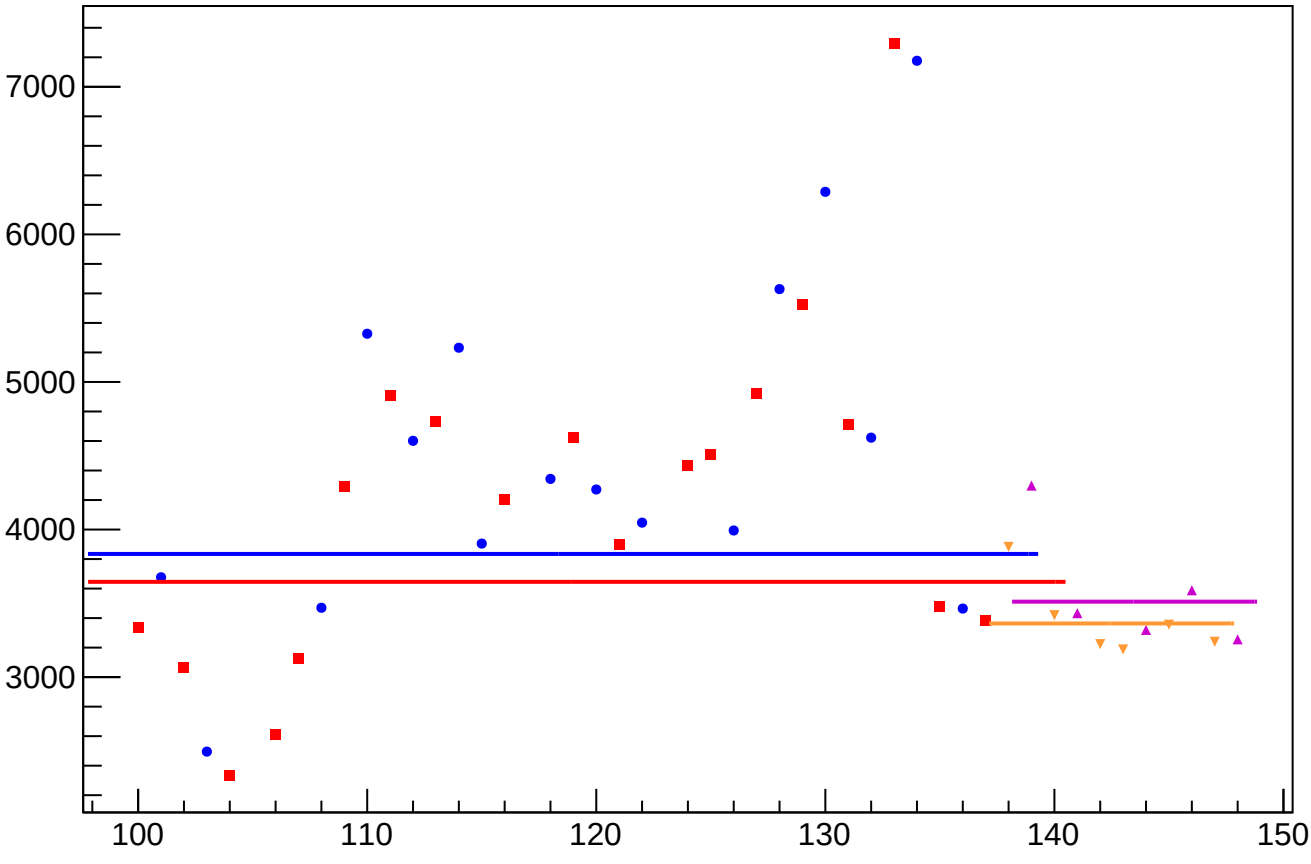
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1883.400+/-0.397 χ^2/NDF:707053.1/20

Out: 1882.354+/-0.389 χ^2/NDF:224354.6/24

All: 1882.867+/-0.278 χ^2/NDF: 931411.2/45


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -3312.190+/-1594.094 χ²/NDF:3.3/5
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -950.148+/-1691.830 χ²/NDF:1.5/4
Left: -2201.363+/-1160.209 χ²/NDF: 5.8/10
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 218.155+/-1113.688 χ²/NDF:15.7/20
Out: -909.691+/-1051.488 χ²/NDF:23.5/24
All: -378.142+/-764.558 χ²/NDF: 39.8/45



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3363.570+/-1.127 χ^2/NDF:36752.1/5

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

Left: 3433.042+/-0.820 χ^2/NDF: 119337.3/10

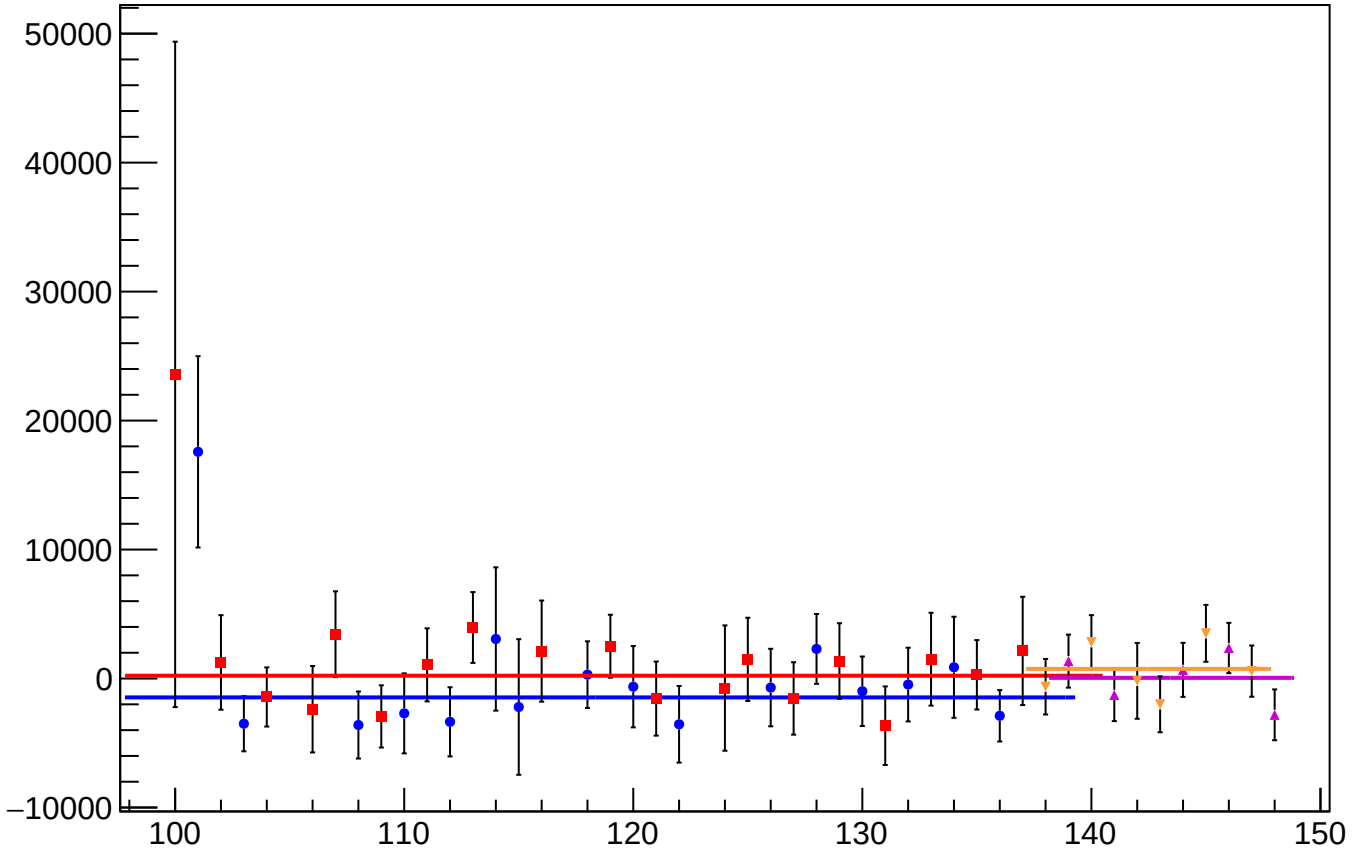
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3694.554+/-0.787 χ^2/NDF:1072231.9/20

Out: 3522.942+/-0.744 χ^2/NDF:1197120.4/24

All: 3603.822+/-0.541 χ^2/NDF: 2294460.3/45

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 747.577+/-901.672 χ^2/NDF:4.7/5

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 53.908+/-902.780 χ^2/NDF:4.4/4

Left: 401.169+/-637.970 χ^2/NDF: 9.4/10

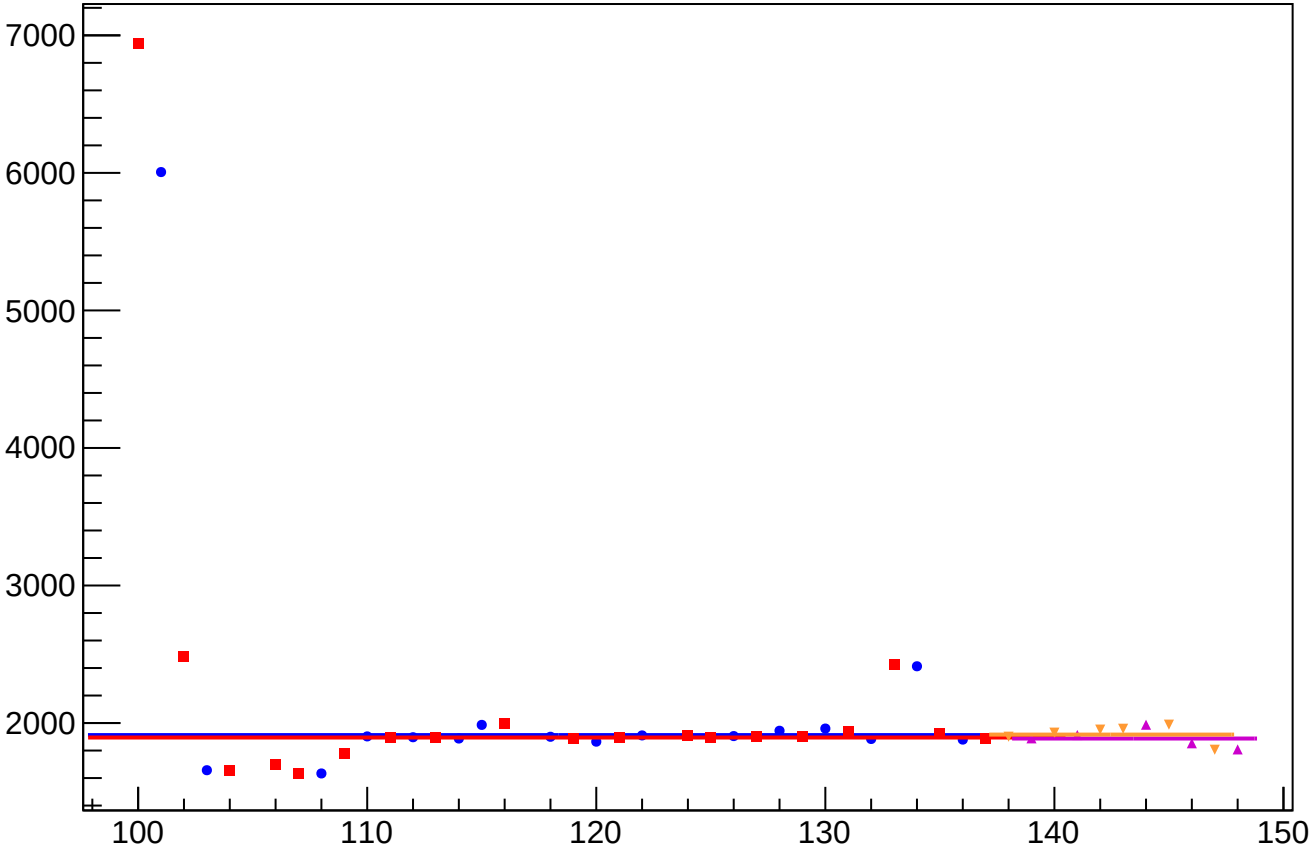
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -864.785+/-566.829 χ^2/NDF:19.7/20

Out: 421.347+/-557.264 χ^2/NDF:15.7/24

All: -210.776+/-397.384 χ^2/NDF: 38.0/45

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1916.013+/-0.638 χ^2/NDF:9555.6/5

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

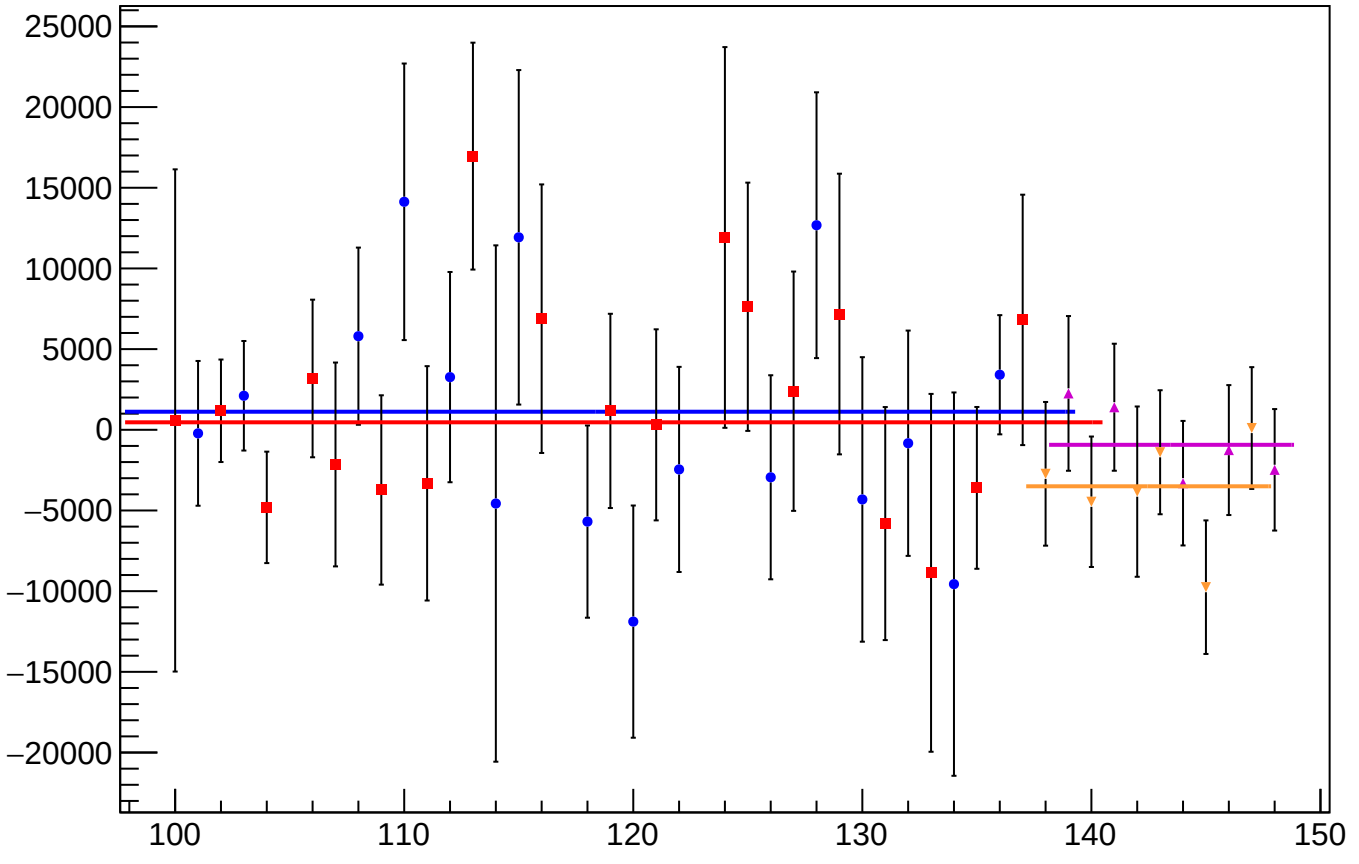
Left: 1901.716+/-0.451 χ^2/NDF: 19315.1/10

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1902.525+/-0.401 χ^2/NDF:705901.5/20

Out: 1902.870+/-0.394 χ^2/NDF:230024.1/24

All: 1902.701+/-0.281 χ^2/NDF: 935925.9/45



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3501.079+/-1705.232 χ^2/NDF:3.6/5

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -930.800+/-1803.422 χ^2/NDF:1.3/4

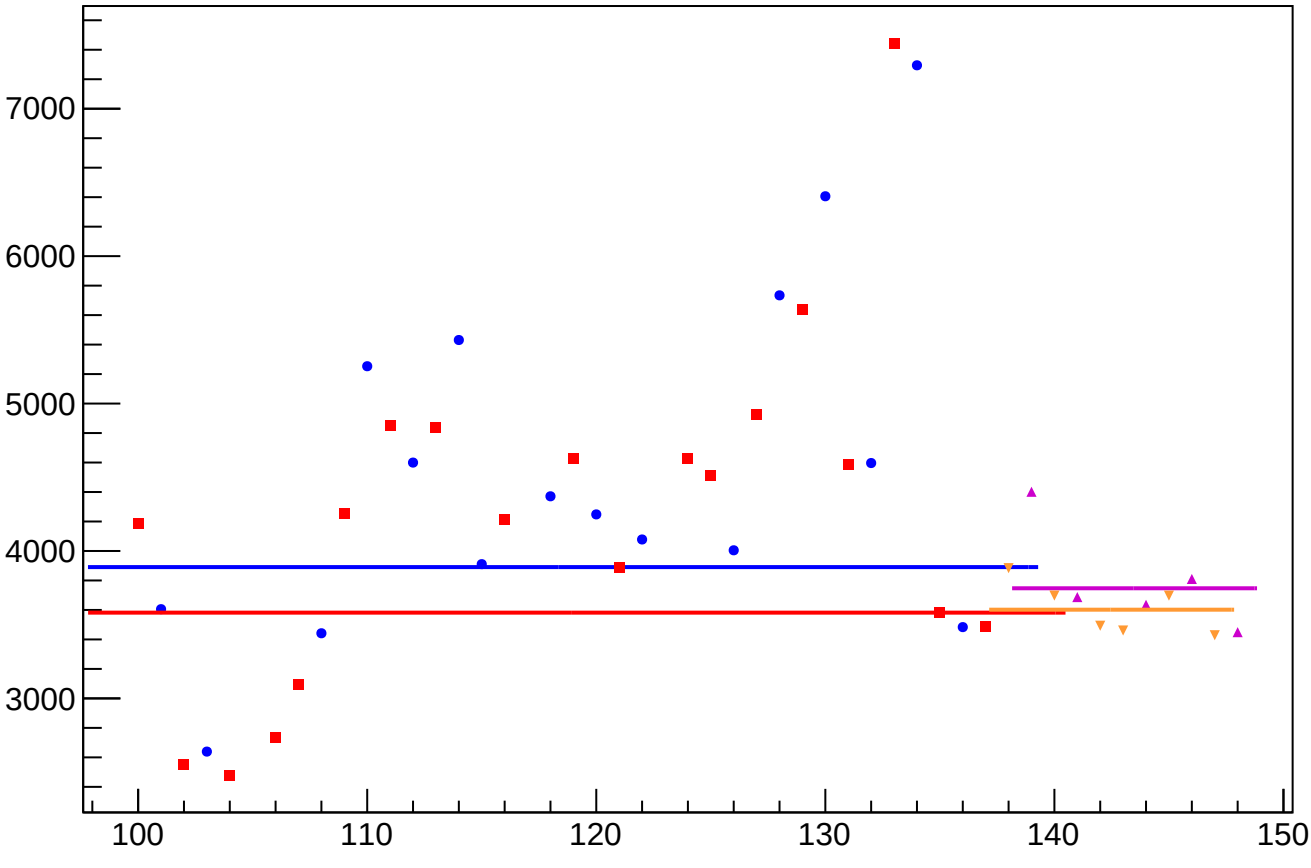
Left: -2287.813+/-1239.040 χ^2/NDF: 6.0/10

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 283.034+/-1152.169 χ^2/NDF:15.6/20

Out: -1092.286+/-1068.399 χ^2/NDF:21.9/24

All: -456.435+/-783.415 χ^2/NDF: 38.2/45



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3601.783+/-1.206 χ^2/NDF:17968.8/5

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3747.040+/-1.275 χ^2/NDF:52448.4/4

Left: 3670.350+/-0.876 χ^2/NDF: 77267.5/10

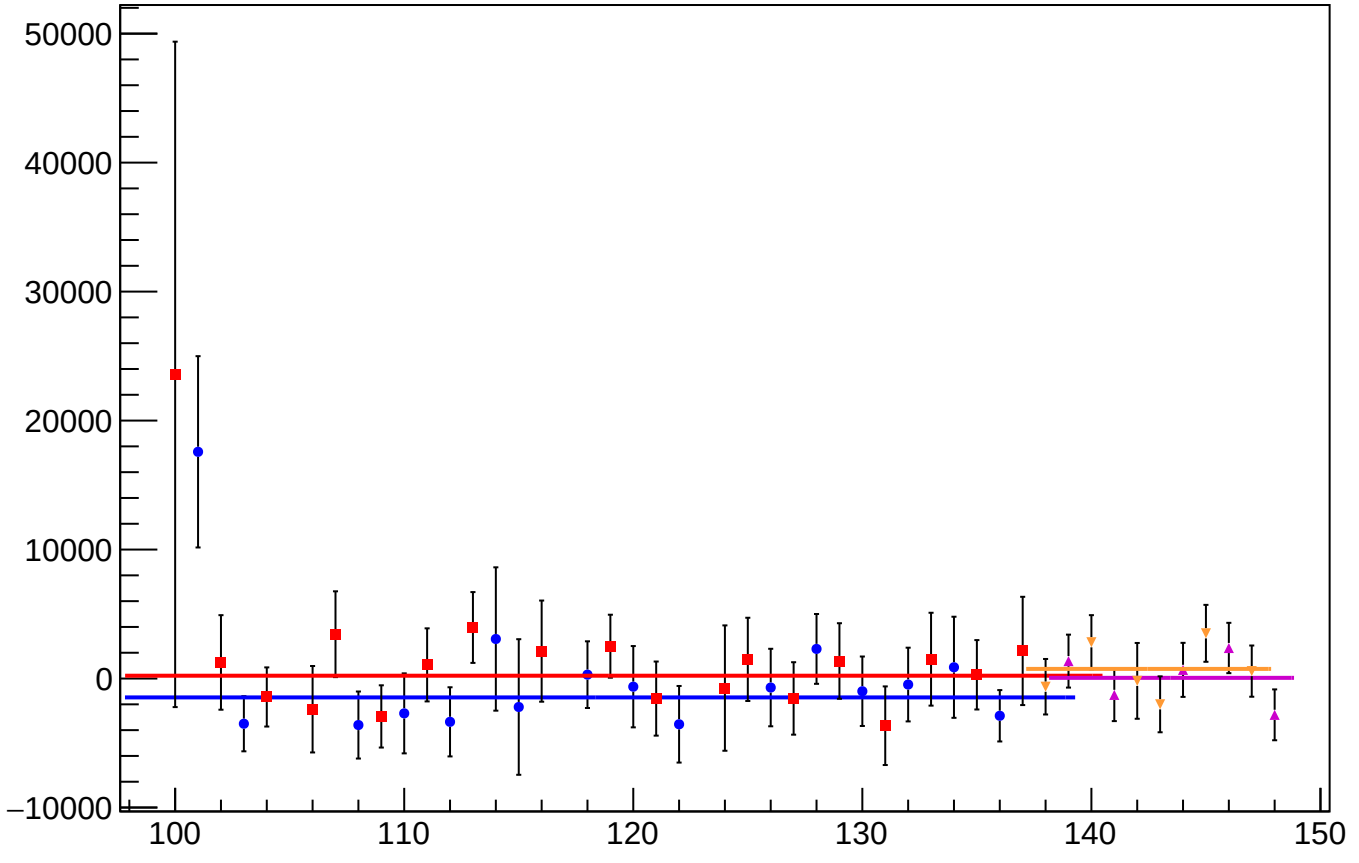
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3832.068+/-0.815 χ^2/NDF:938378.6/20

Out: 3589.632+/-0.755 χ^2/NDF:1239991.2/24

All: 3701.717+/-0.554 χ^2/NDF: 2225980.5/45

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 747.576+/-901.672 χ^2/NDF:4.7/5

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 53.913+/-902.781 χ^2/NDF:4.4/4

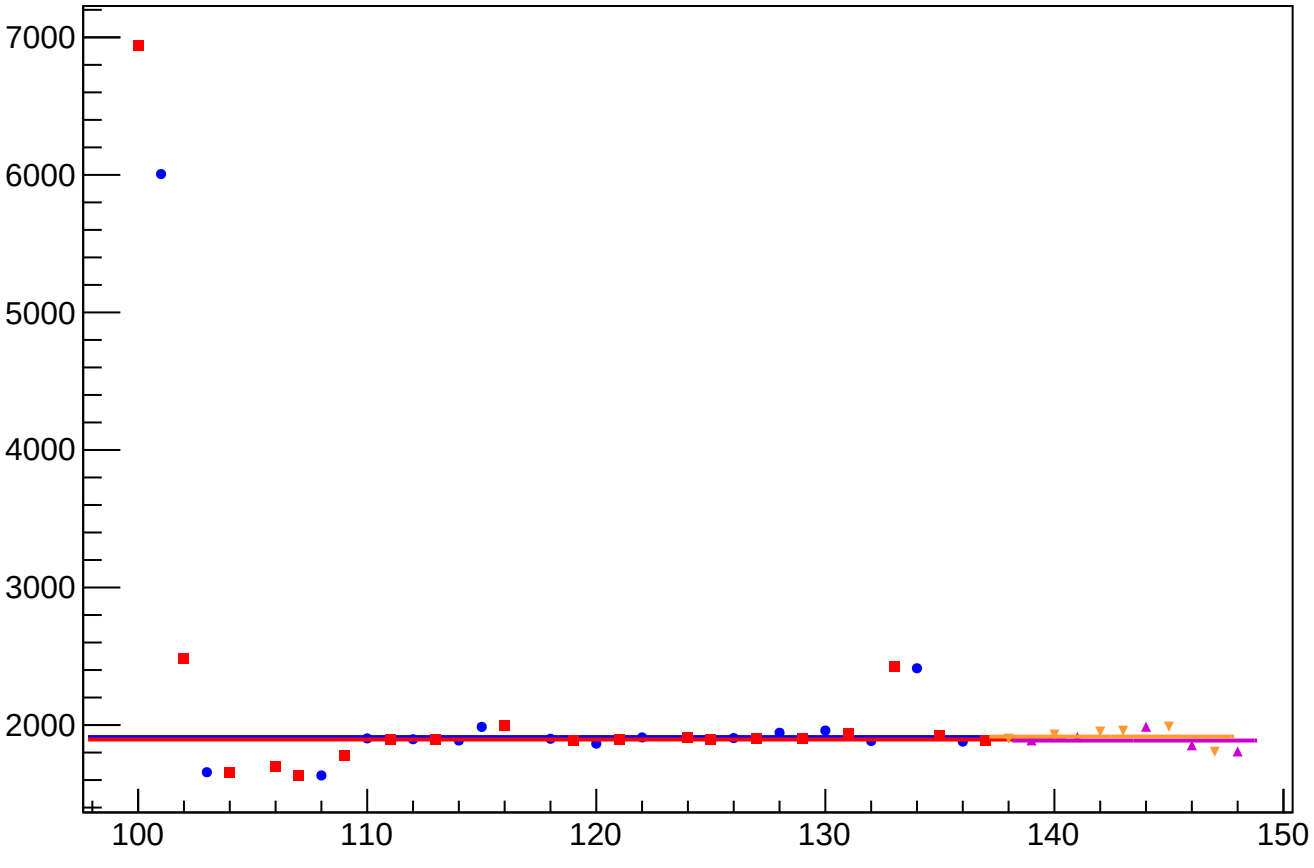
Left: 401.171+/-637.970 χ^2/NDF: 9.4/10

Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -864.787+/-566.829 χ^2/NDF:19.7/20

Out: 421.344+/-557.265 χ^2/NDF:15.7/24

All: -210.779+/-397.384 χ^2/NDF: 38.0/45



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1916.014+/-0.638 χ^2/NDF:9555.6/5

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

Left: 1901.717+/-0.451 χ^2/NDF: 19315.0/10

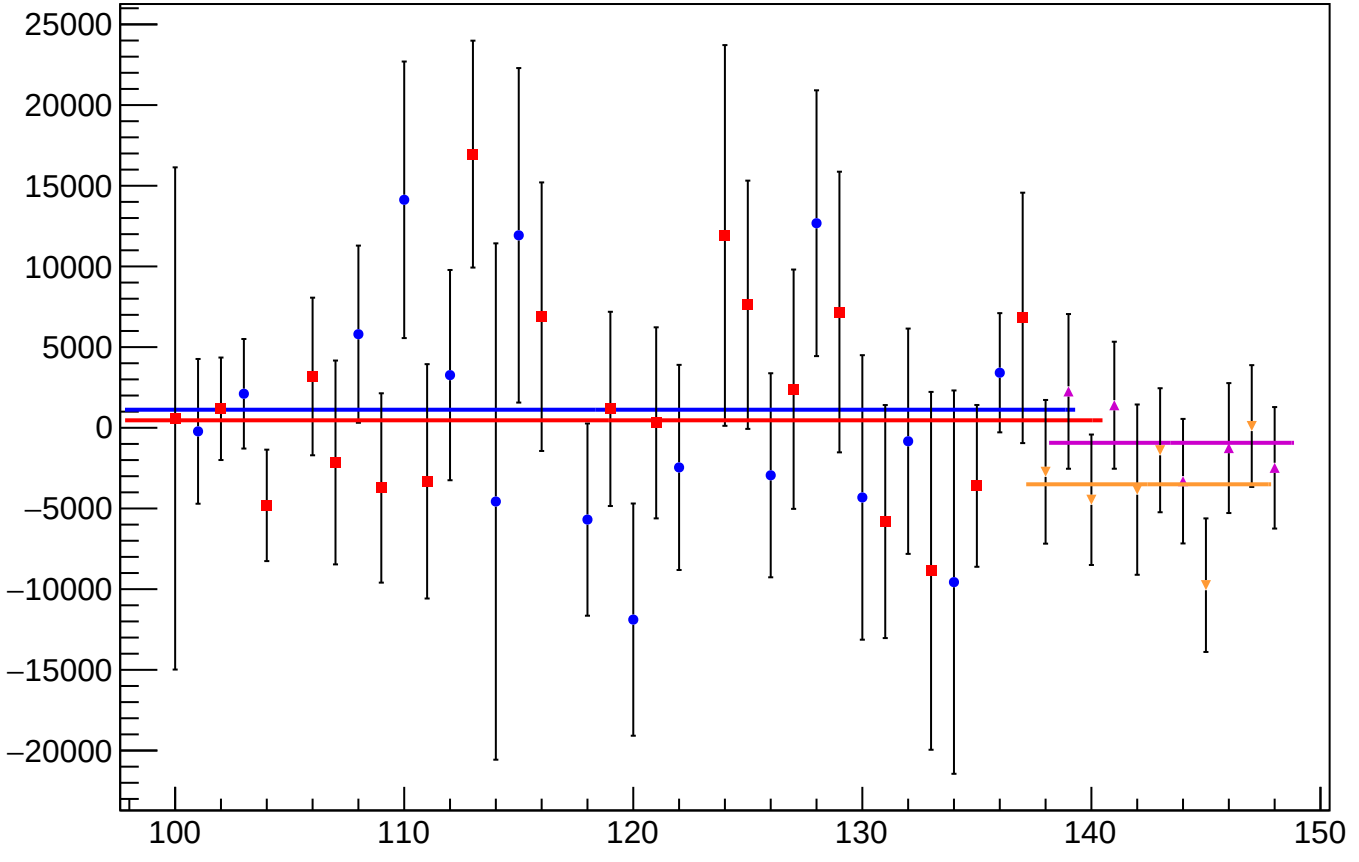
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1902.525+/-0.401 χ^2/NDF:705901.3/20

Out: 1902.871+/-0.394 χ^2/NDF:230024.1/24

All: 1902.701+/-0.281 χ^2/NDF: 935925.8/45

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: -3501.082+/-1705.235 χ^2/NDF:3.6/5

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -930.794+/-1803.424 χ^2/NDF:1.3/4

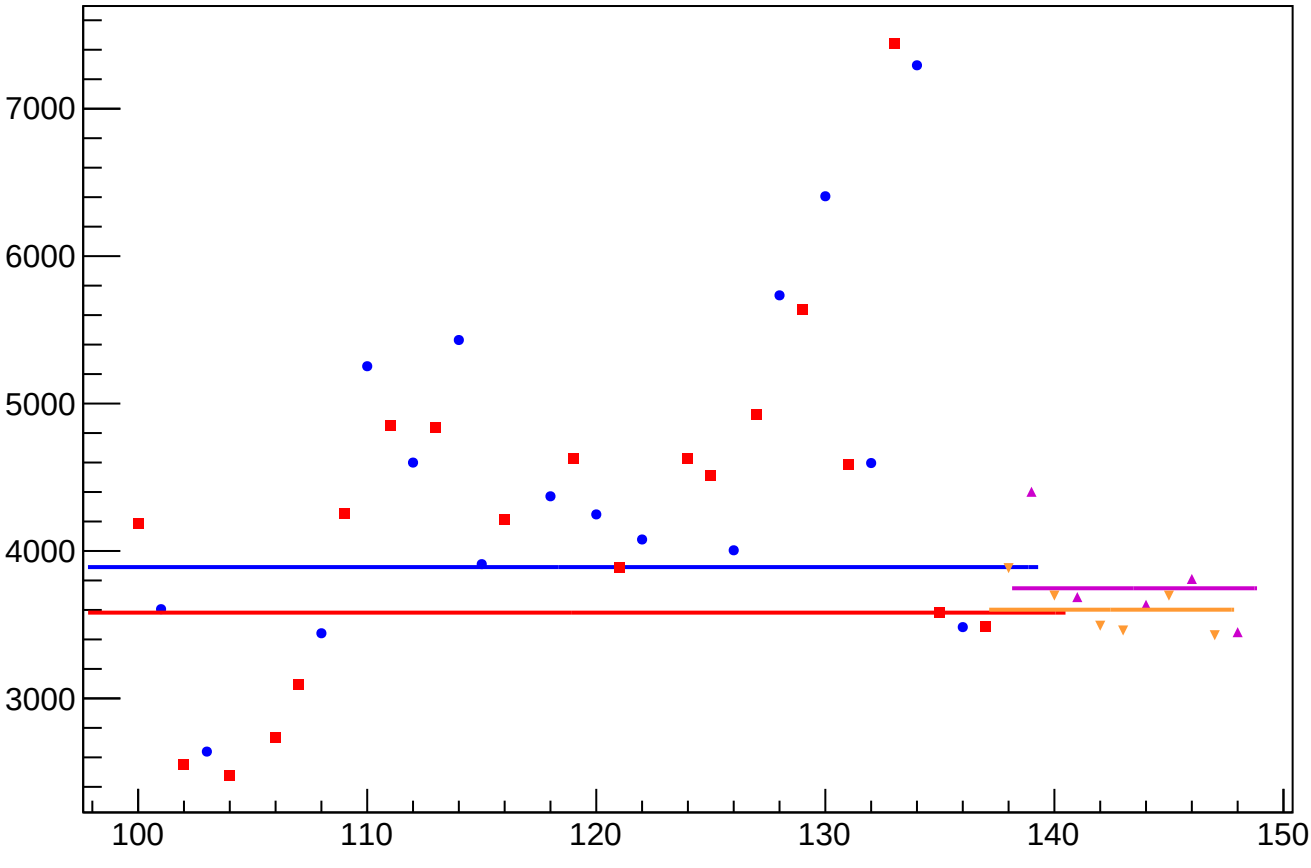
Left: -2287.811+/-1239.042 χ^2/NDF: 6.0/10

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 283.031+/-1152.169 χ^2/NDF:15.6/20

Out: -1092.283+/-1068.399 χ^2/NDF:21.9/24

All: -456.435+/-783.415 χ^2/NDF: 38.2/45



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3601.788+/-1.206 χ^2/NDF:17968.7/5

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3747.044+/-1.275 χ^2/NDF:52449.0/4

Left: 3670.354+/-0.876 χ^2/NDF: 77268.0/10

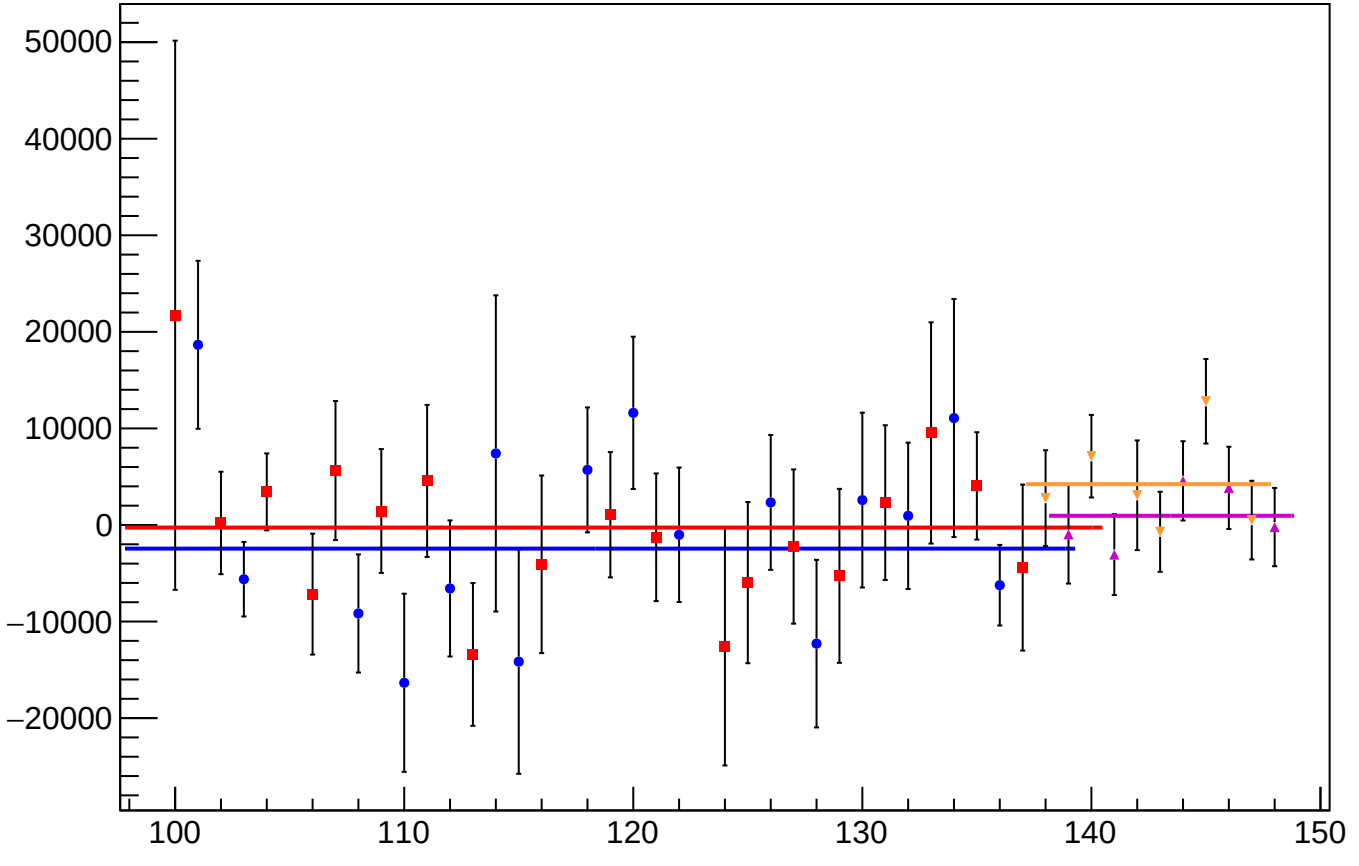
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3832.068+/-0.815 χ^2/NDF:938369.5/20

Out: 3589.633+/-0.755 χ^2/NDF:1239982.6/24

All: 3701.717+/-0.554 χ^2/NDF: 2225963.0/45

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 4227.940+/-1835.088 χ^2/NDF:6.7/5

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 952.610+/-1922.086 χ^2/NDF:2.4/4

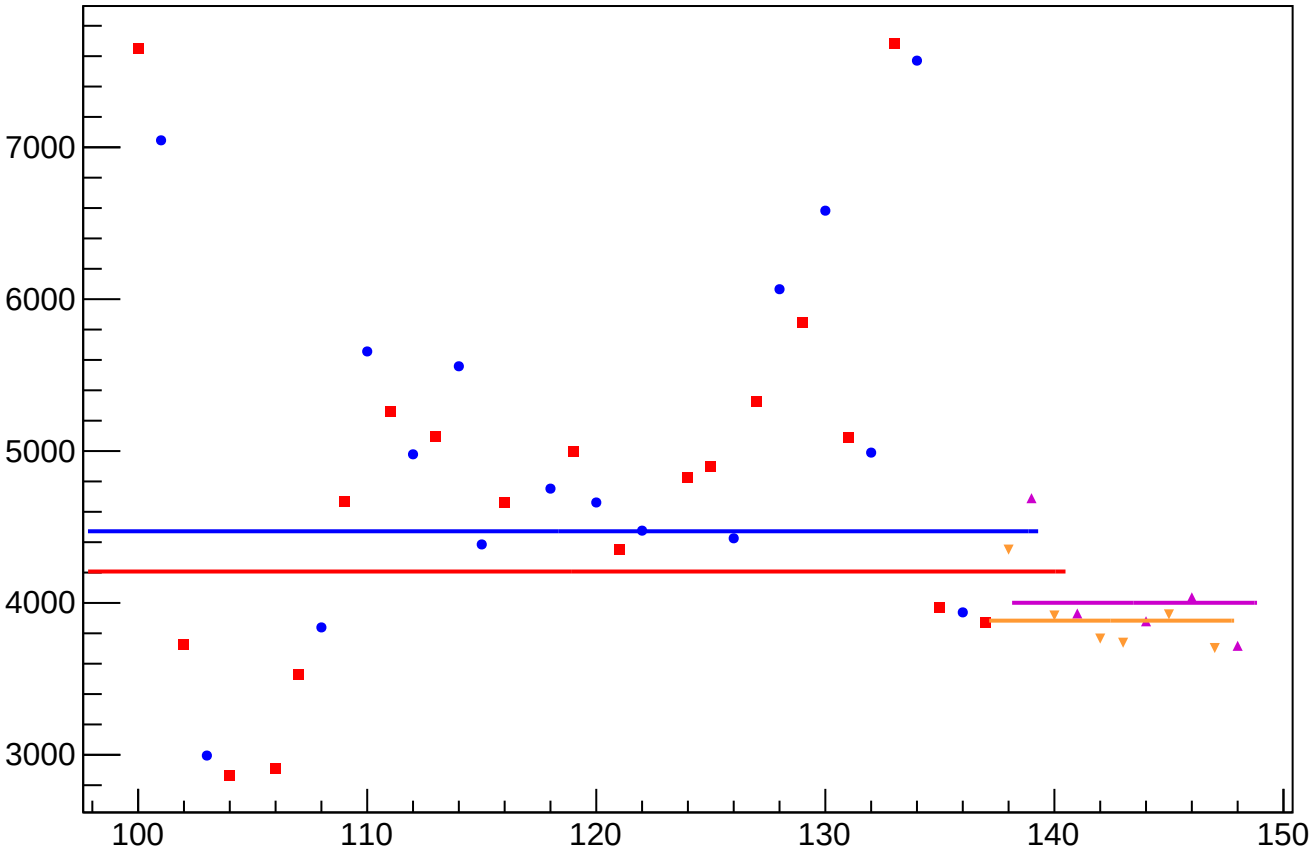
Left: 2666.075+/-1327.294 χ^2/NDF: 10.6/10

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -936.248+/-1281.609 χ^2/NDF:25.0/20

Out: 1705.868+/-1215.557 χ^2/NDF:20.8/24

All: 454.648+/-881.955 χ^2/NDF: 48.0/45



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3883.486+/-1.298 χ^2/NDF:25319.2/5

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4001.025+/-1.359 χ^2/NDF:48683.2/4

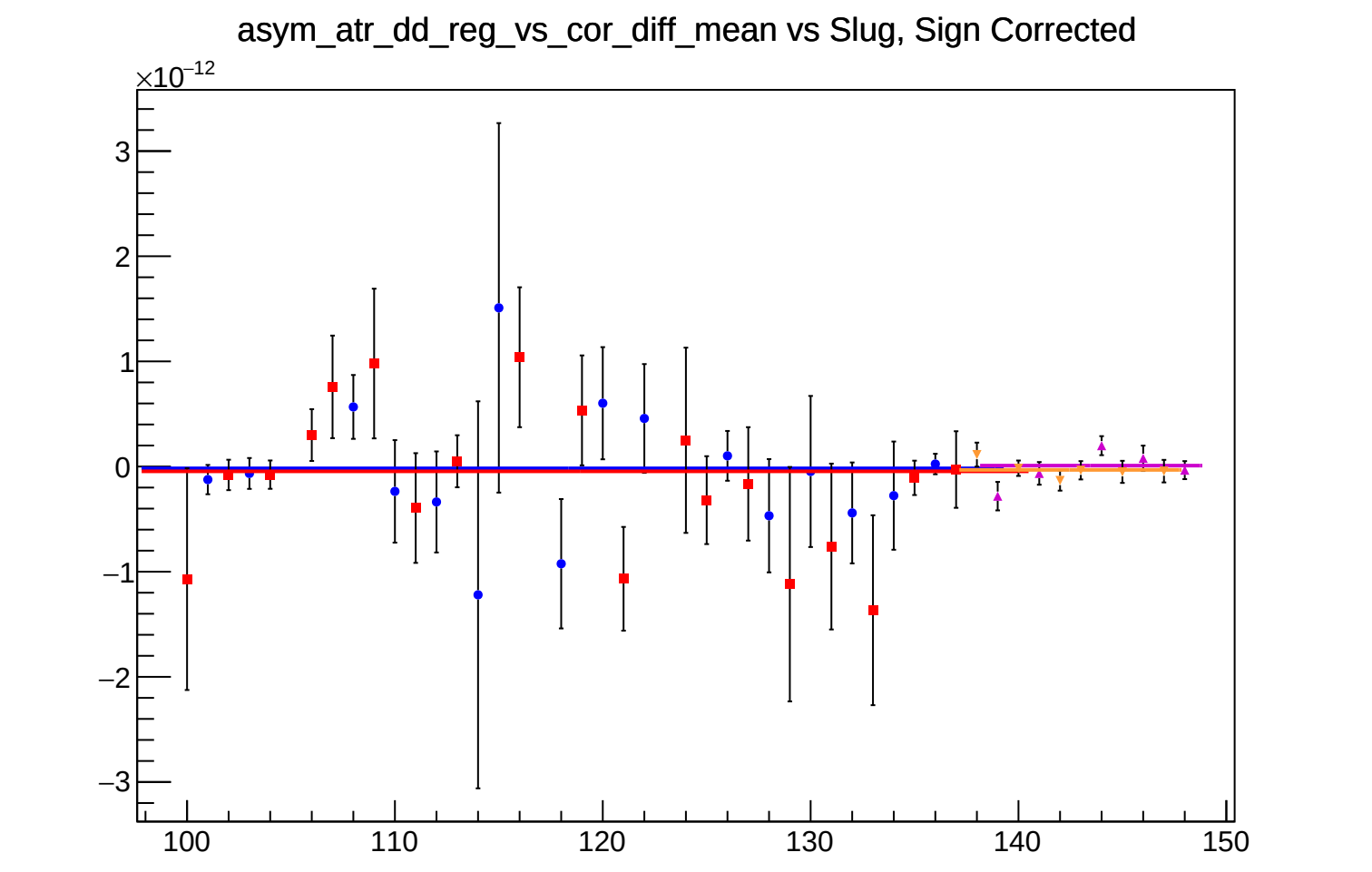
Left: 3939.535+/-0.939 χ^2/NDF: 77915.0/10

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4262.553+/-0.906 χ^2/NDF:1007028.9/20

Out: 4066.303+/-0.856 χ^2/NDF:906960.1/24

All: 4158.789+/-0.622 χ^2/NDF: 1938784.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/4

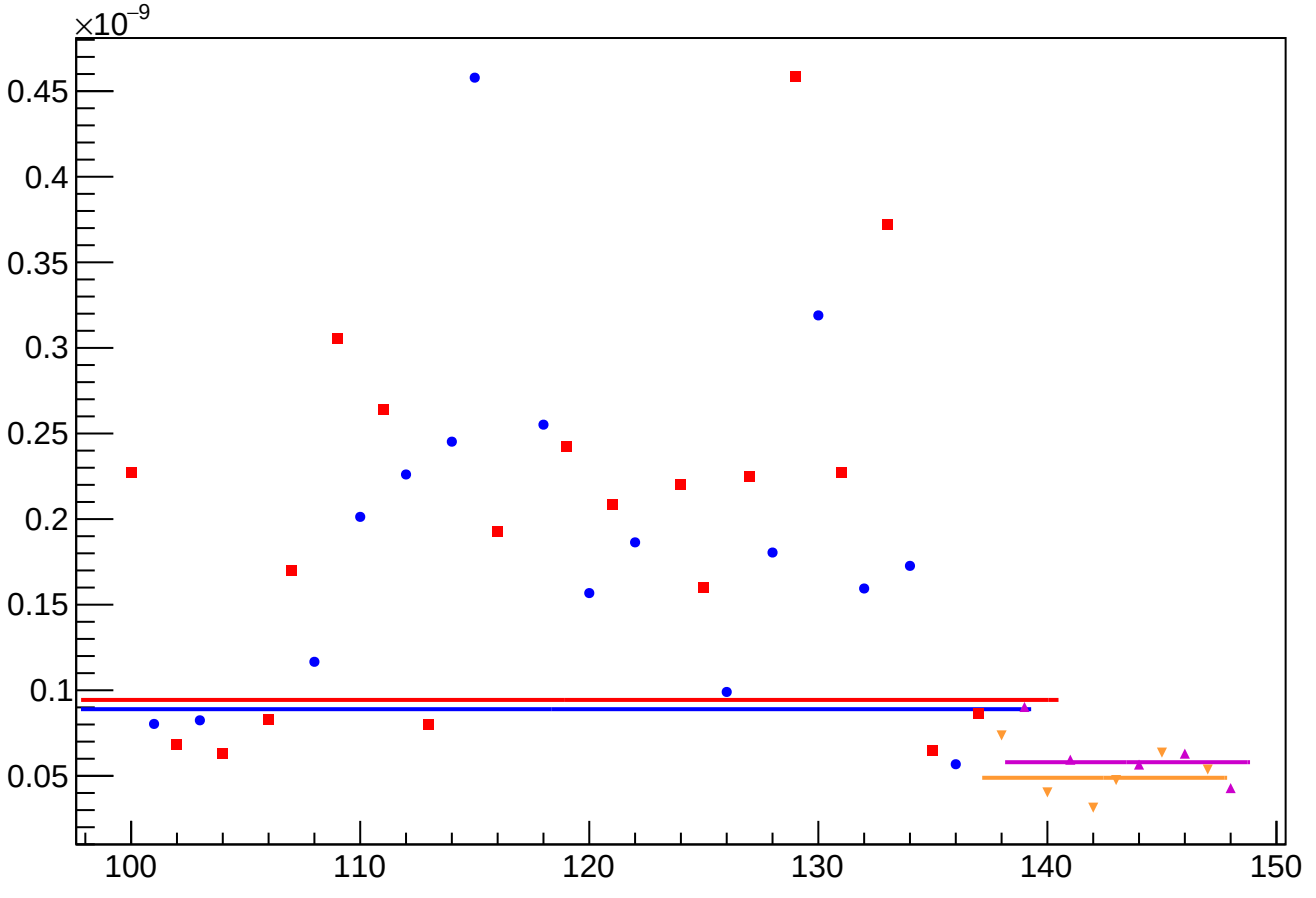
Left: -0.000+/-0.000 χ^2/NDF: 13.3/10

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:22.9/20

Out: -0.000+/-0.000 χ^2/NDF:24.0/24

All: -0.000+/-0.000 χ^2/NDF: 47.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:230749.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:180238.0/4

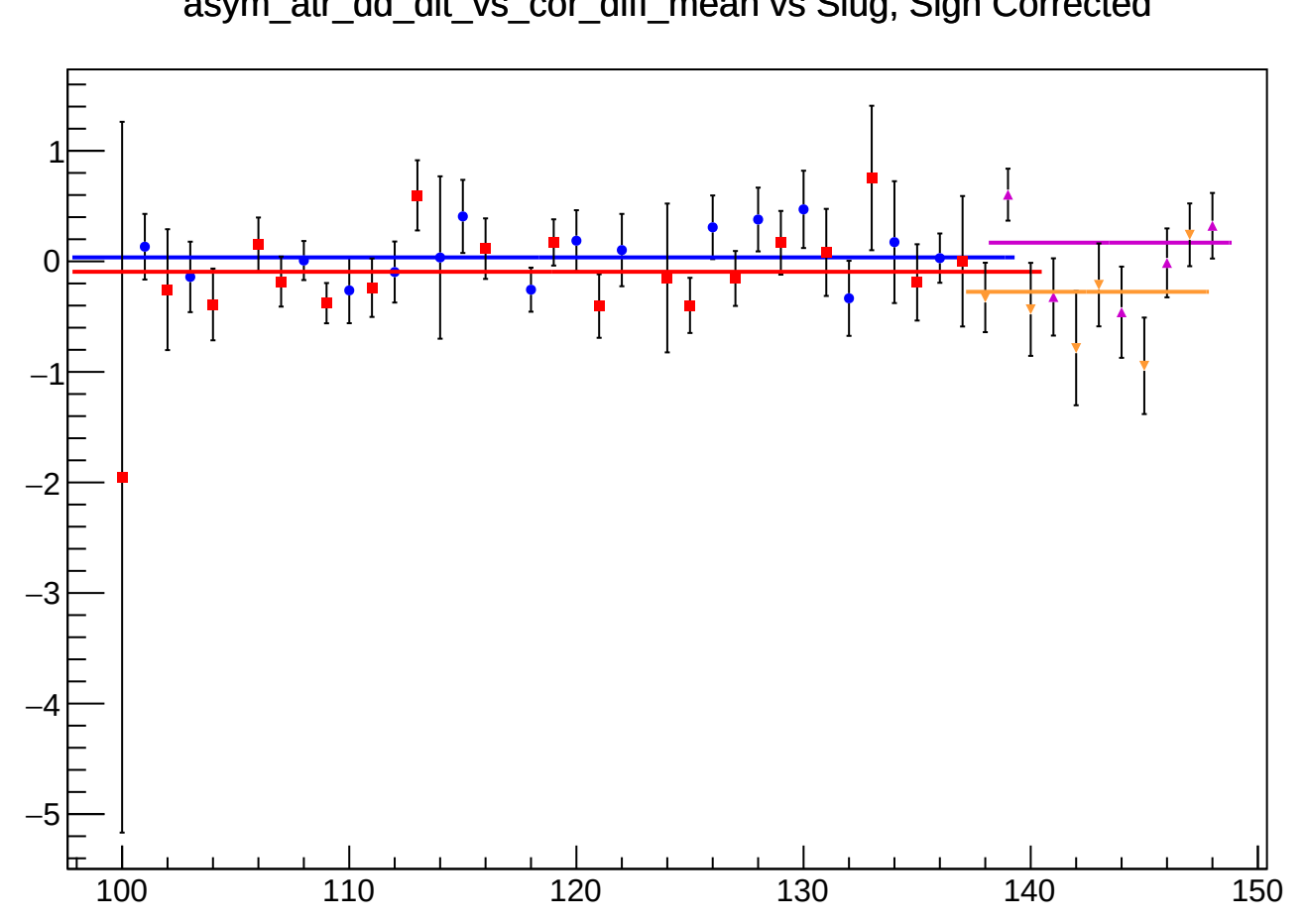
Left: 0.000+/-0.000 χ^2/NDF: 456953.0/10

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1734909.8/20

Out: 0.000+/-0.000 χ^2/NDF:2603406.8/24

All: 0.000+/-0.000 χ^2/NDF: 4408783.7/45



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.169+/-0.136 χ^2/NDF:8.3/4

Left: -0.032+/-0.101 χ^2/NDF: 19.9/10

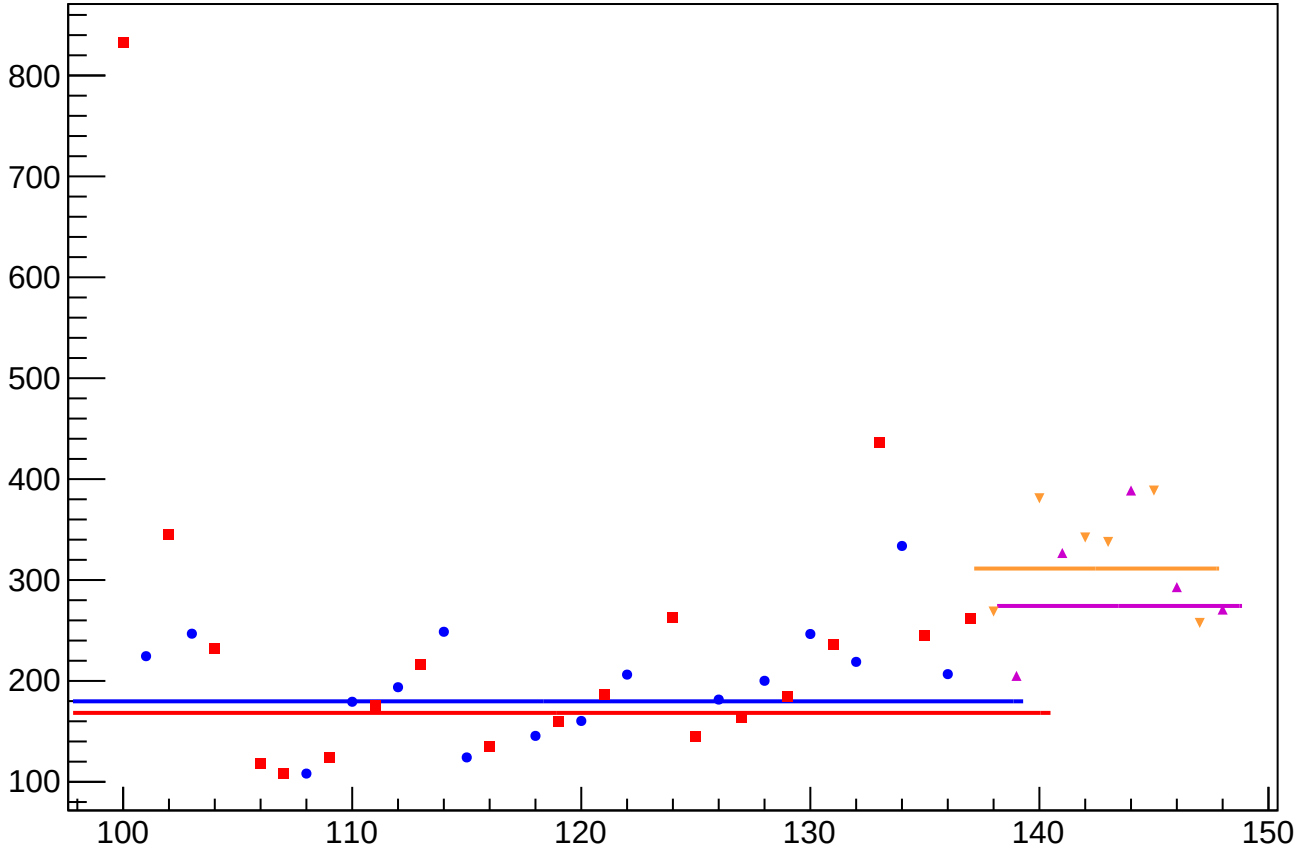
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.032+/-0.044 χ^2/NDF: 49.9/45

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 311.375+/-0.106 χ^2/NDF:243350.7/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

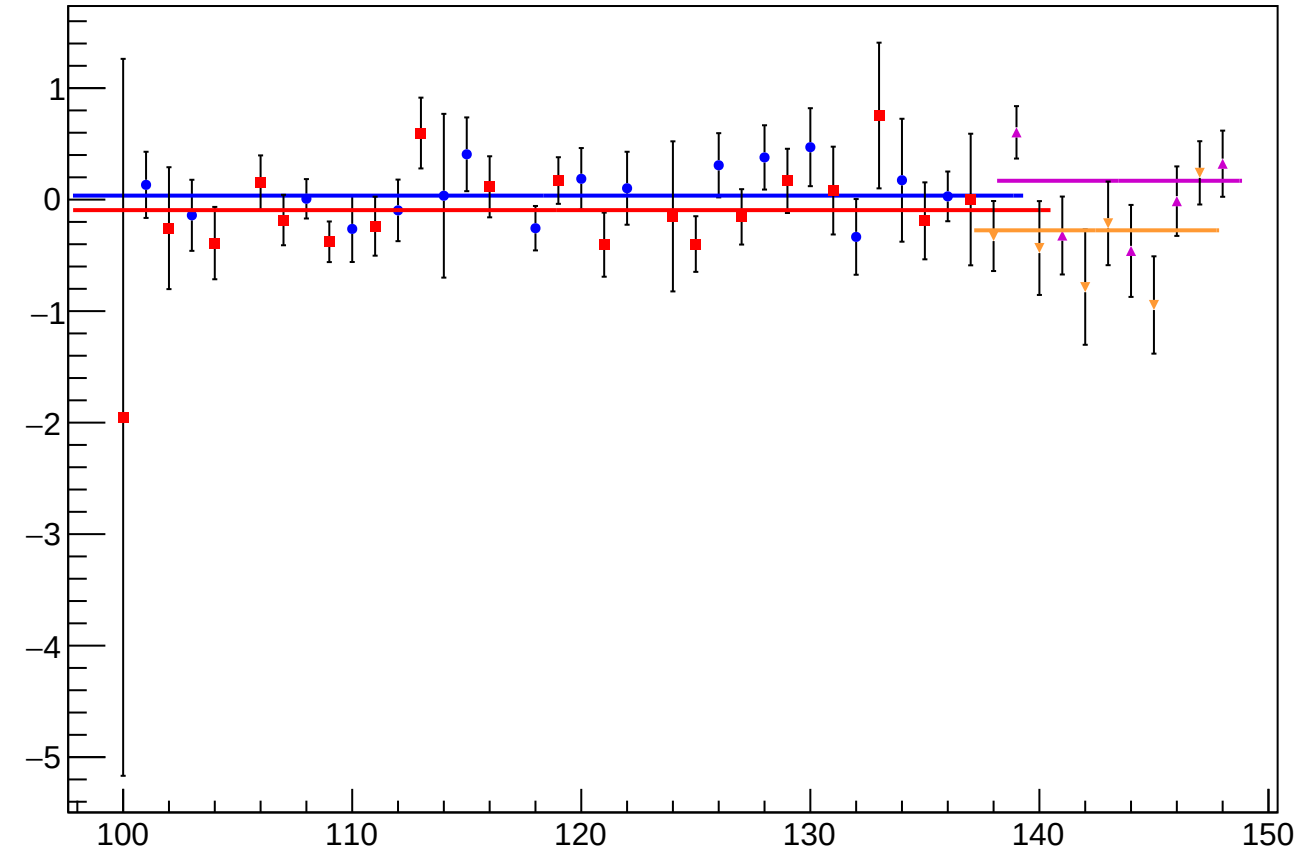
Left: 291.044+/-0.071 χ^2/NDF: 690430.4/10

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 199.778+/-0.044 χ^2/NDF:2057078.3/20

Out: 192.438+/-0.044 χ^2/NDF:3160143.4/24

All: 196.049+/-0.031 χ^2/NDF: 5231156.7/45



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.169+/-0.136 χ^2/NDF:8.3/4

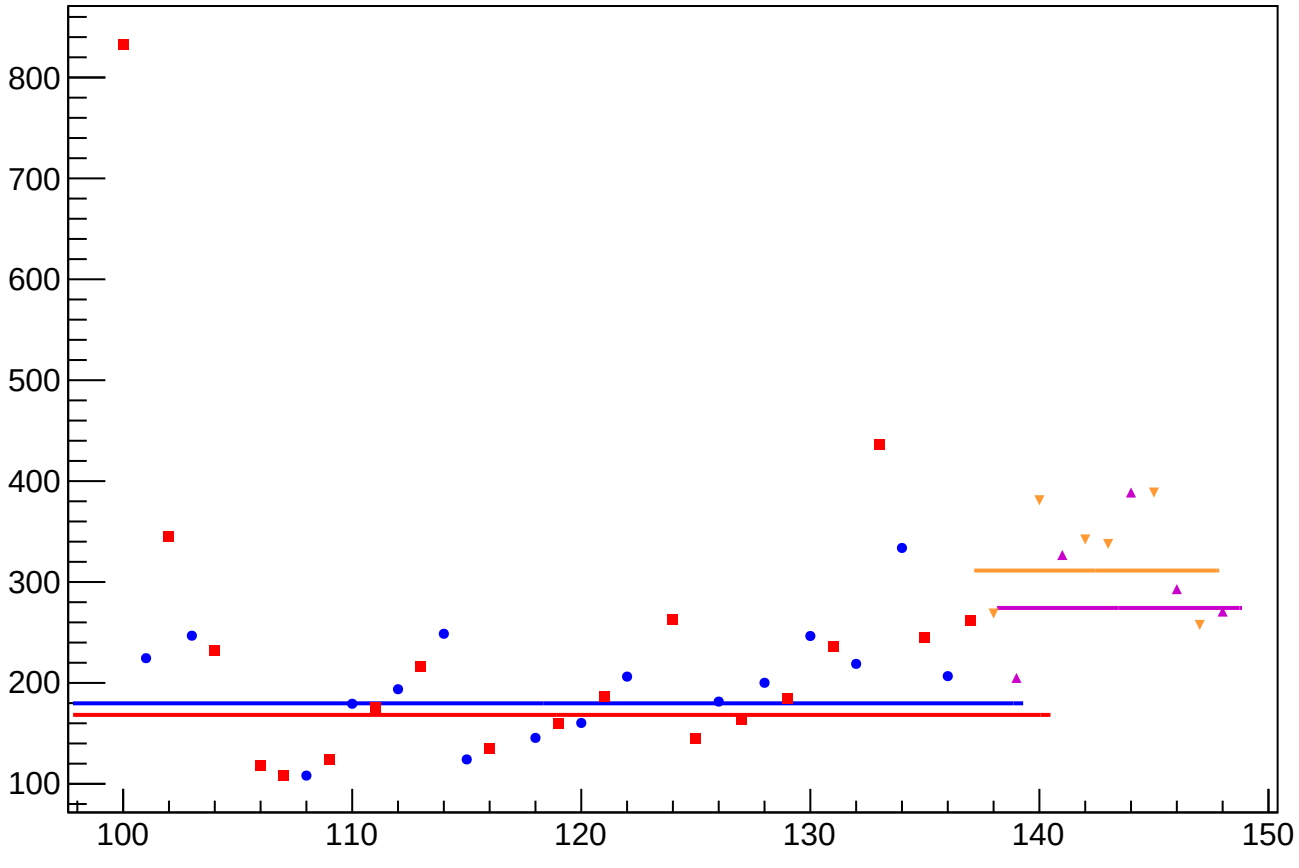
Left: -0.032+/-0.101 χ^2/NDF: 19.9/10

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.032+/-0.044 χ^2/NDF: 49.9/45



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 311.375+/-0.106 χ^2/NDF:243350.7/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

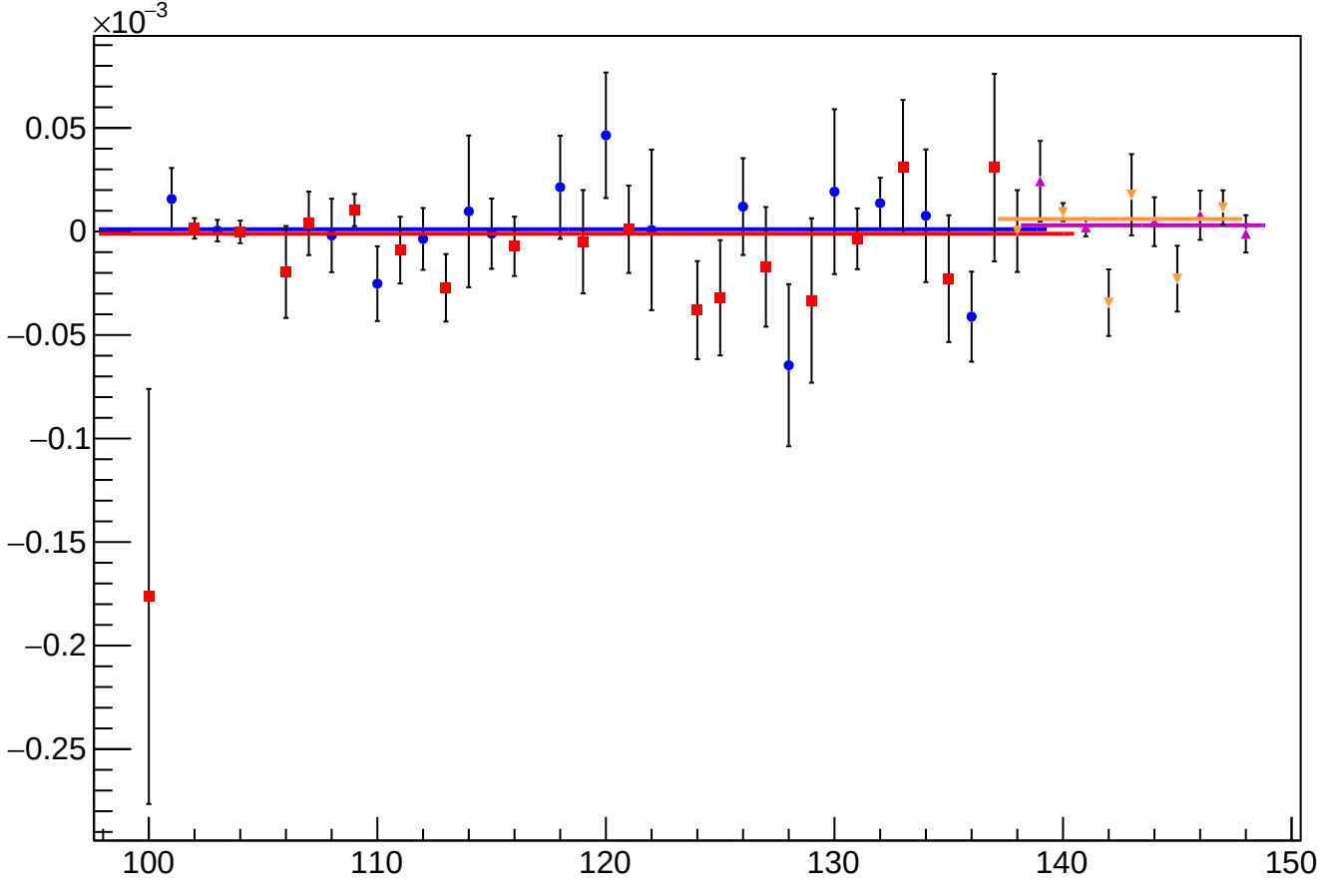
Left: 291.044+/-0.071 χ^2/NDF: 690430.4/10

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 199.778+/-0.044 χ^2/NDF:2057078.3/20

Out: 192.438+/-0.044 χ^2/NDF:3160143.4/24

All: 196.049+/-0.031 χ^2/NDF: 5231156.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

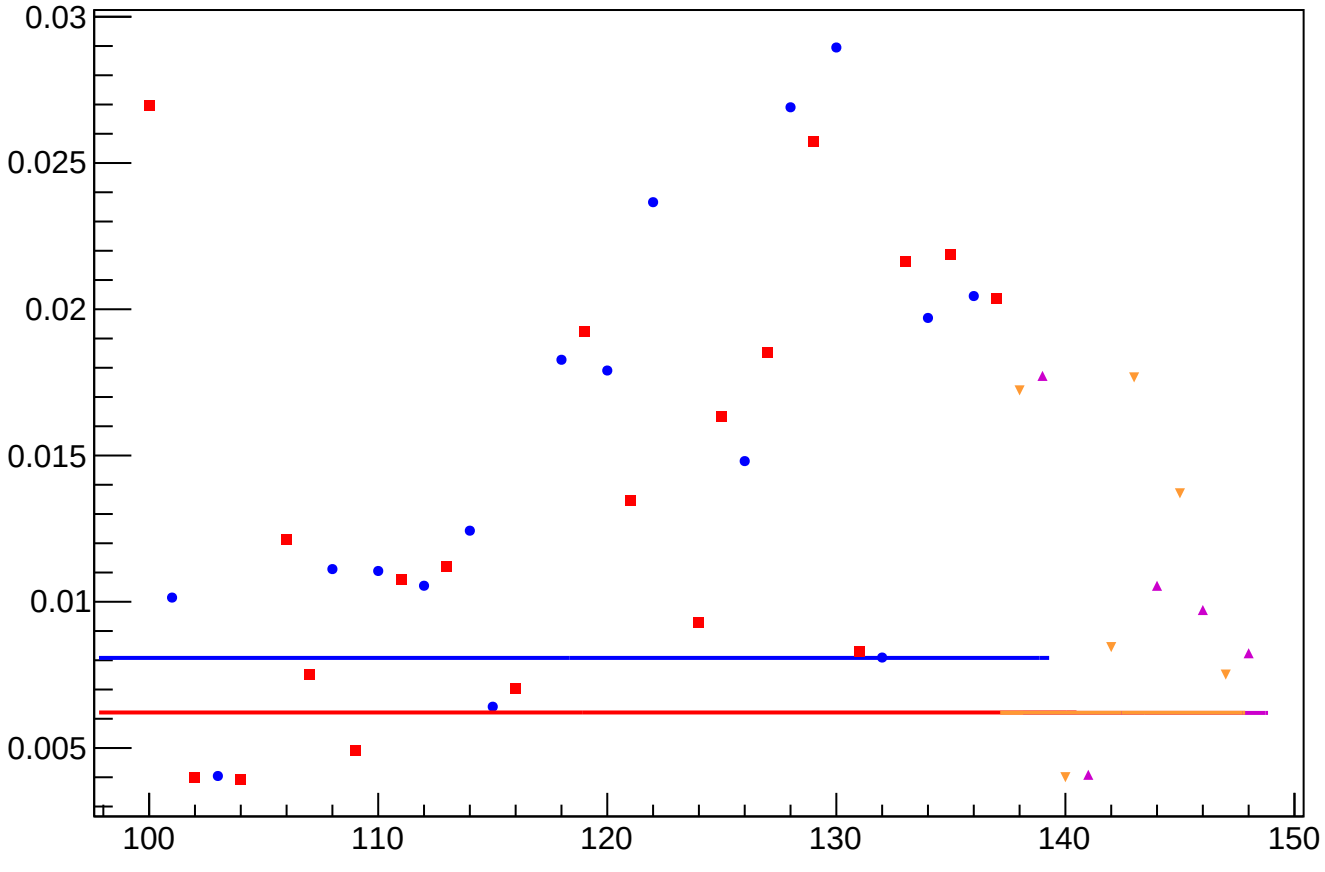
Left: 0.000+/-0.000 χ^2/NDF: 13.1/10

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:16.1/20

Out: 0.000+/-0.000 χ^2/NDF:29.6/24

All: 0.000+/-0.000 χ^2/NDF: 45.7/45



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2348935.0/5

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1722304.4/4

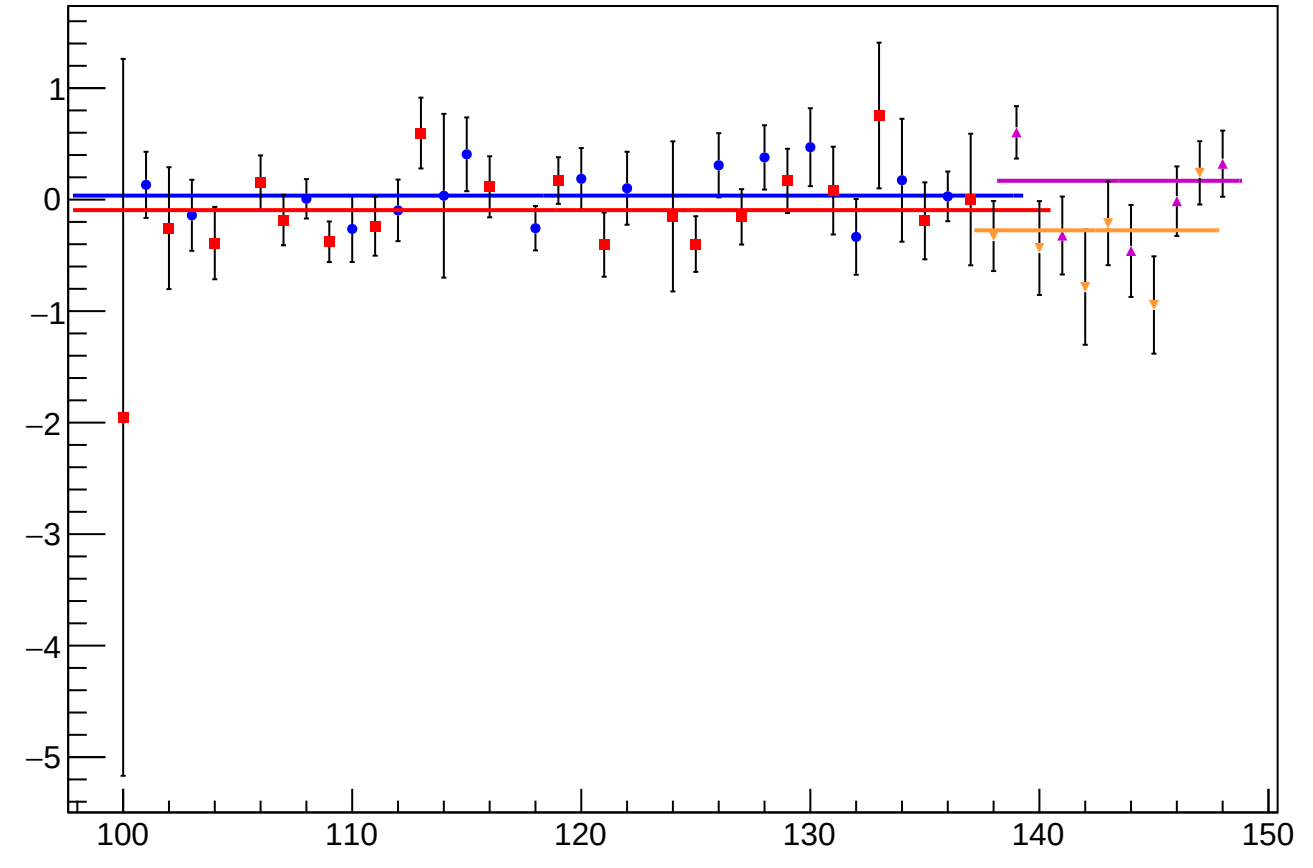
Left: 0.006+/-0.000 χ^2/NDF: 4071242.6/10

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6408227.7/20

Out: 0.006+/-0.000 χ^2/NDF:6909931.1/24

All: 0.007+/-0.000 χ^2/NDF: 13452146.9/45



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.169+/-0.136 χ^2/NDF:8.3/4

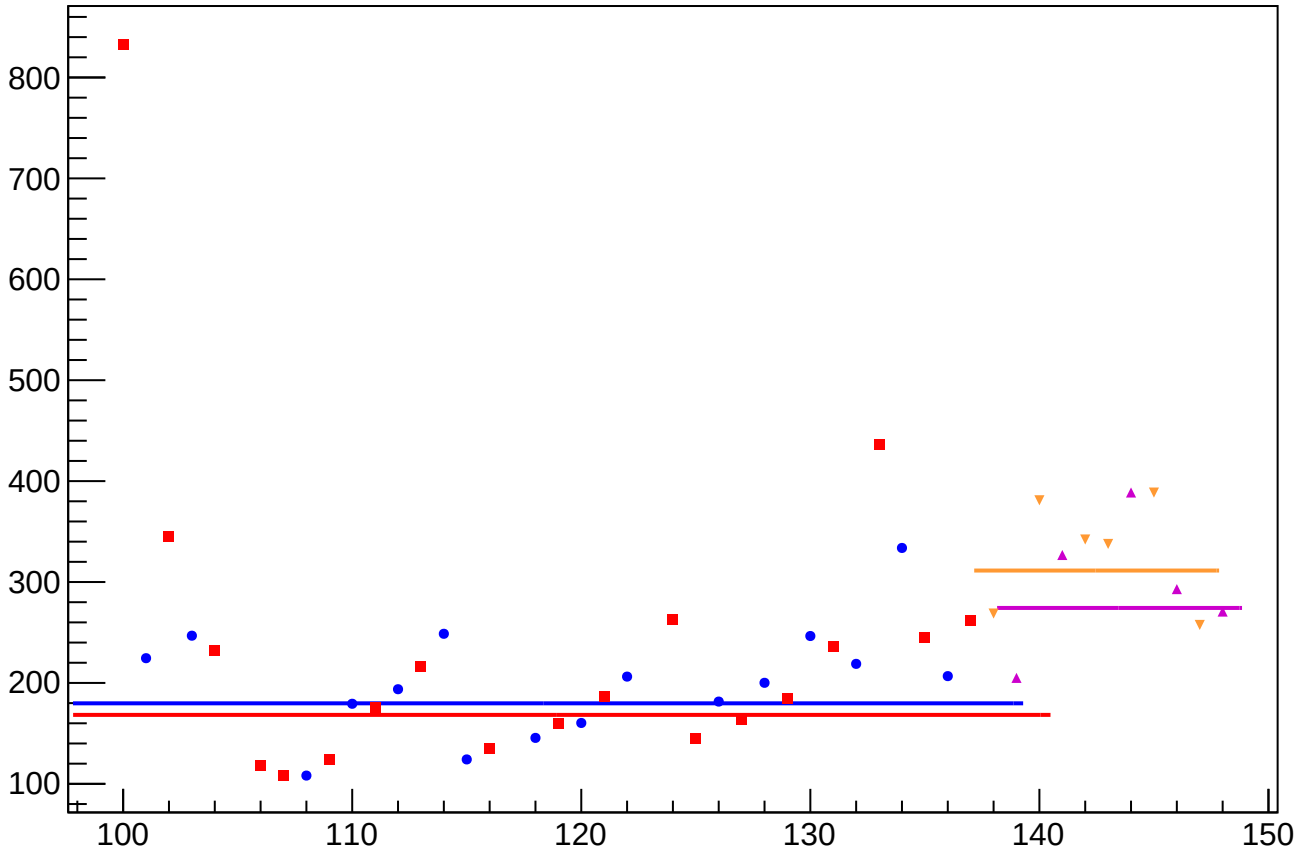
Left: -0.032+/-0.101 χ^2/NDF: 19.9/10

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.032+/-0.044 χ^2/NDF: 49.9/45



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 311.379+/-0.106 χ^2/NDF:243336.9/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 274.312+/-0.096 χ^2/NDF:380283.7/4

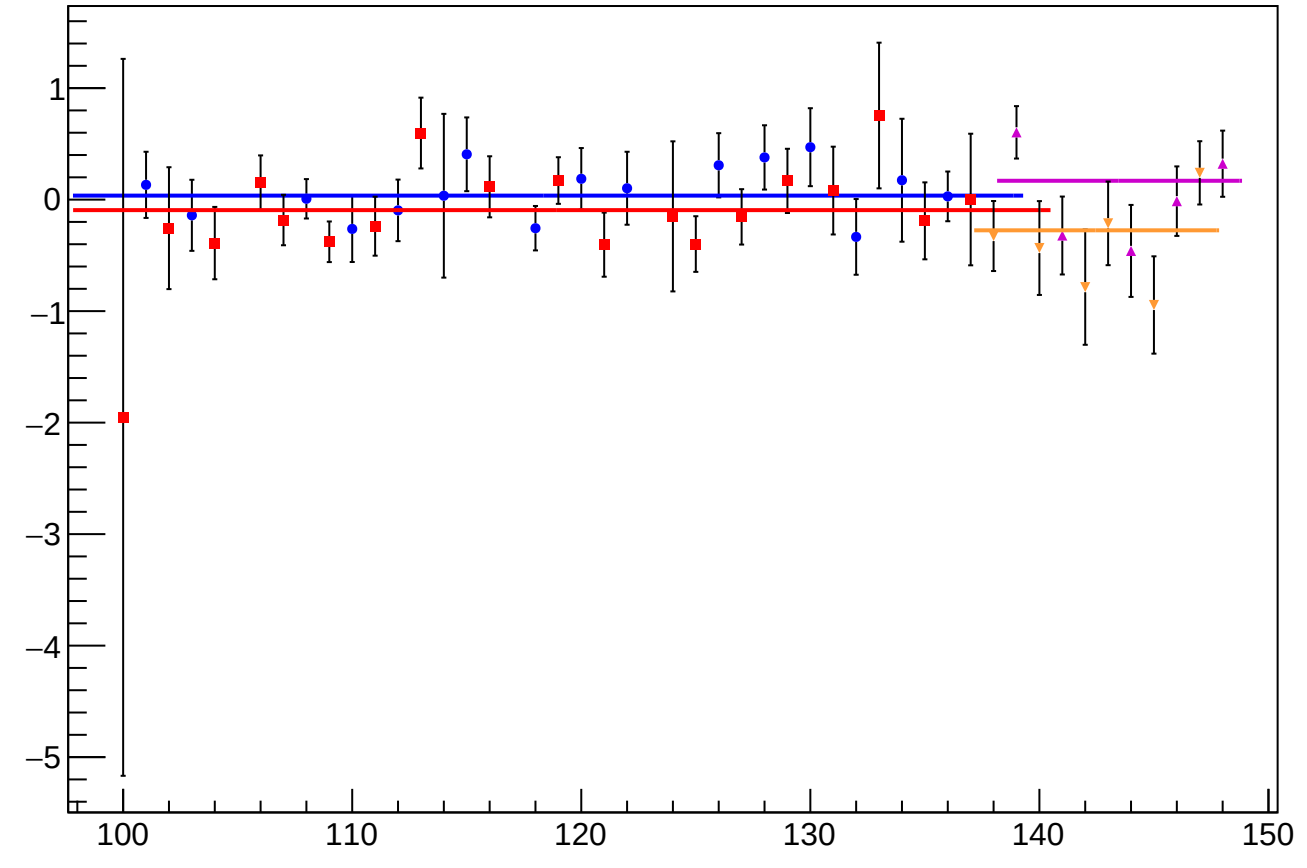
Left: 291.048+/-0.071 χ^2/NDF: 690398.4/10

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 199.776+/-0.044 χ^2/NDF:2057201.1/20

Out: 192.438+/-0.044 χ^2/NDF:3160193.0/24

All: 196.048+/-0.031 χ^2/NDF: 5231321.5/45



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.169+/-0.136 χ^2/NDF:8.3/4

Left: -0.032+/-0.101 χ^2/NDF: 19.9/10

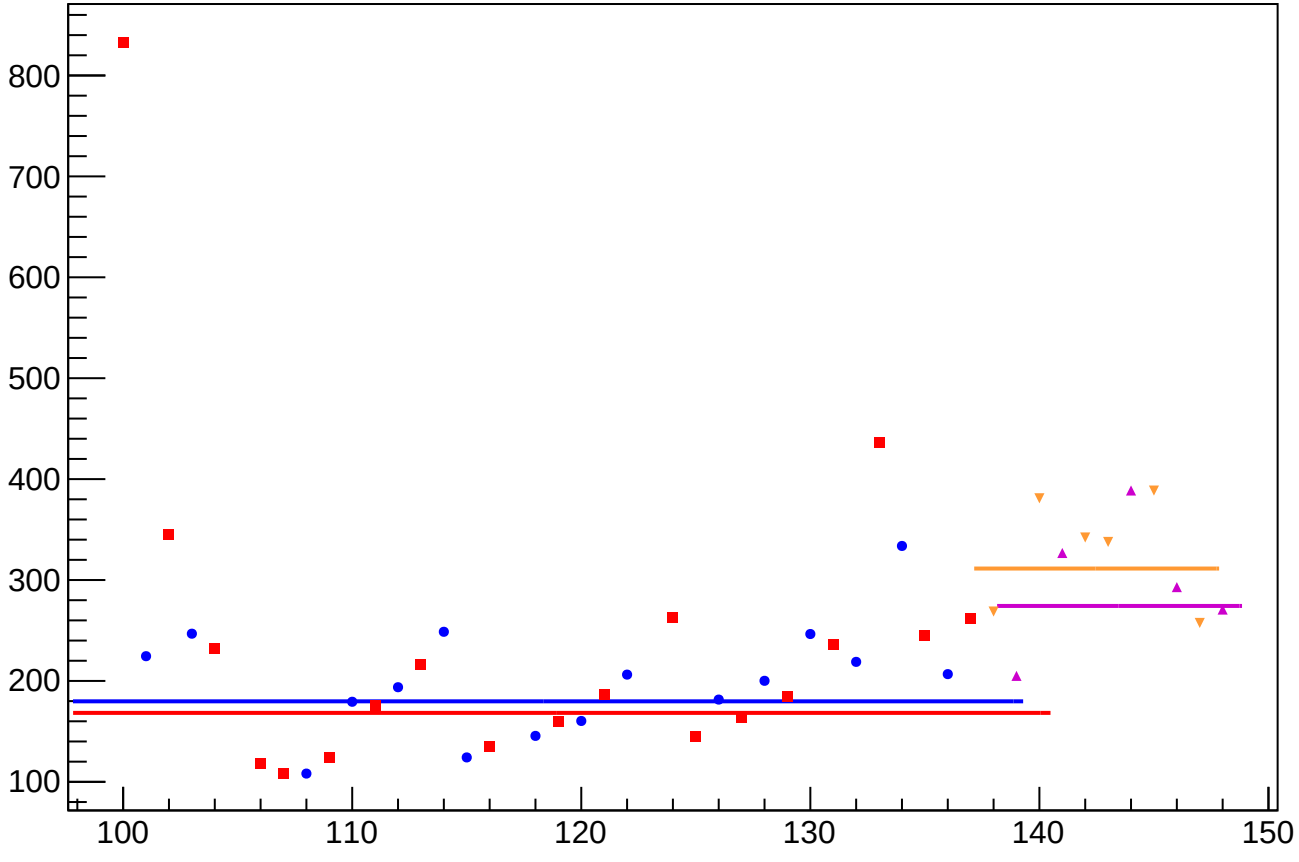
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.032+/-0.044 χ^2/NDF: 49.9/45

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: 311.379+/-0.106 χ^2/NDF:243336.9/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 274.312+/-0.096 χ^2/NDF:380283.7/4

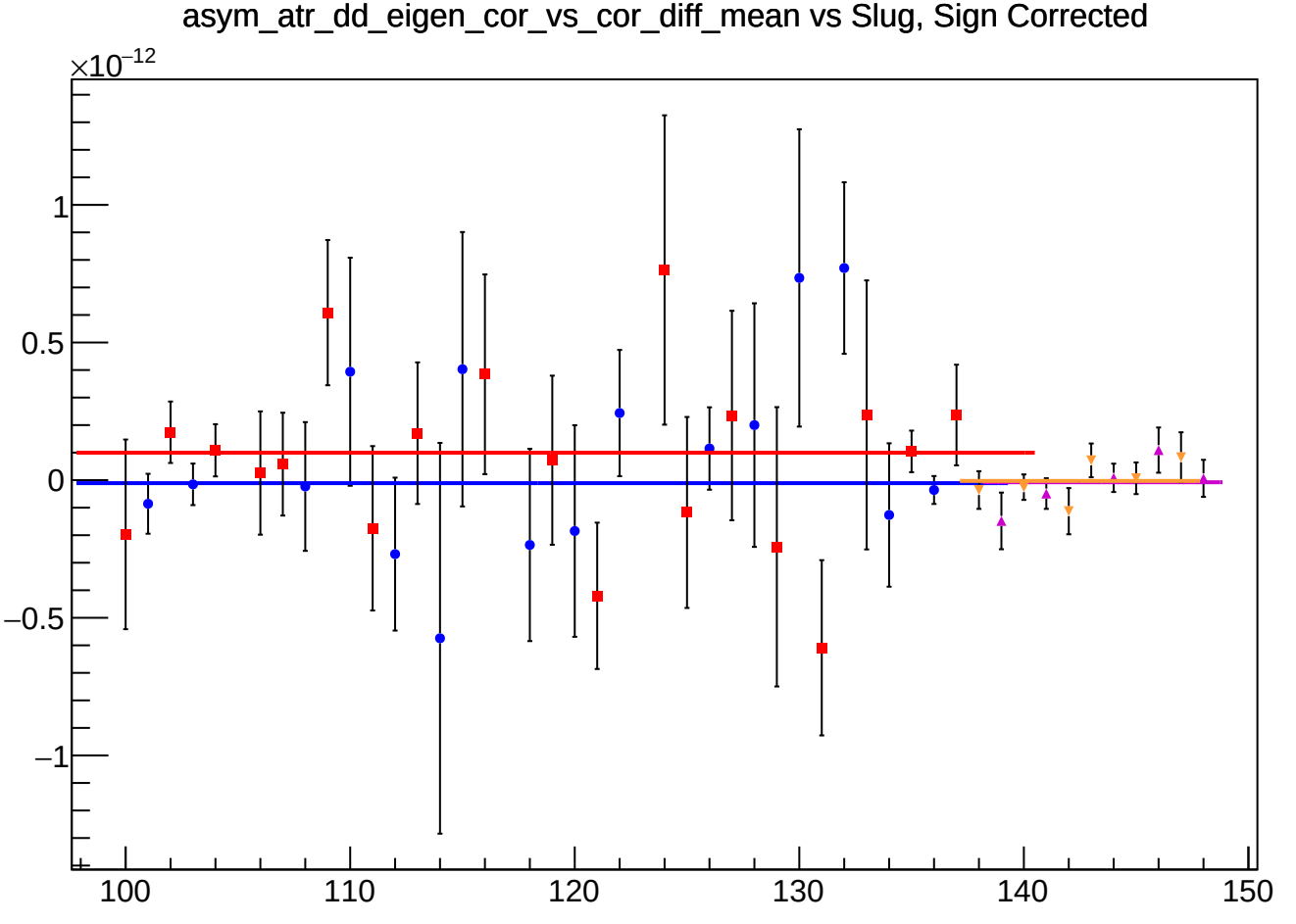
Left: 291.048+/-0.071 χ^2/NDF: 690398.4/10

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 199.776+/-0.044 χ^2/NDF:2057201.1/20

Out: 192.438+/-0.044 χ^2/NDF:3160193.0/24

All: 196.048+/-0.031 χ^2/NDF: 5231321.5/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/4

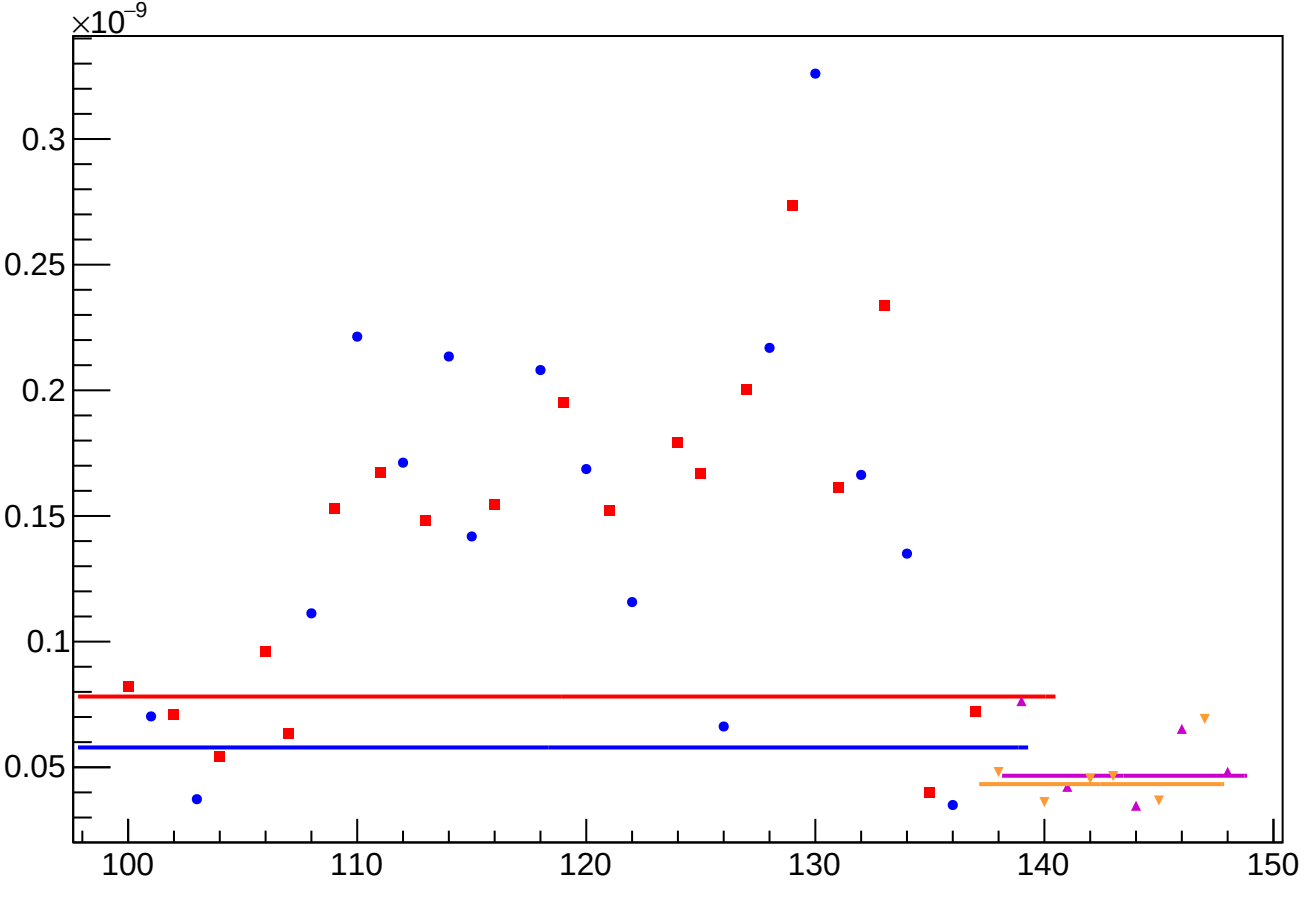
Left: -0.000+/-0.000 χ^2/NDF: 9.2/10

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:19.6/20

Out: 0.000+/-0.000 χ^2/NDF:27.3/24

All: 0.000+/-0.000 χ^2/NDF: 48.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:253746.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:391012.0/4

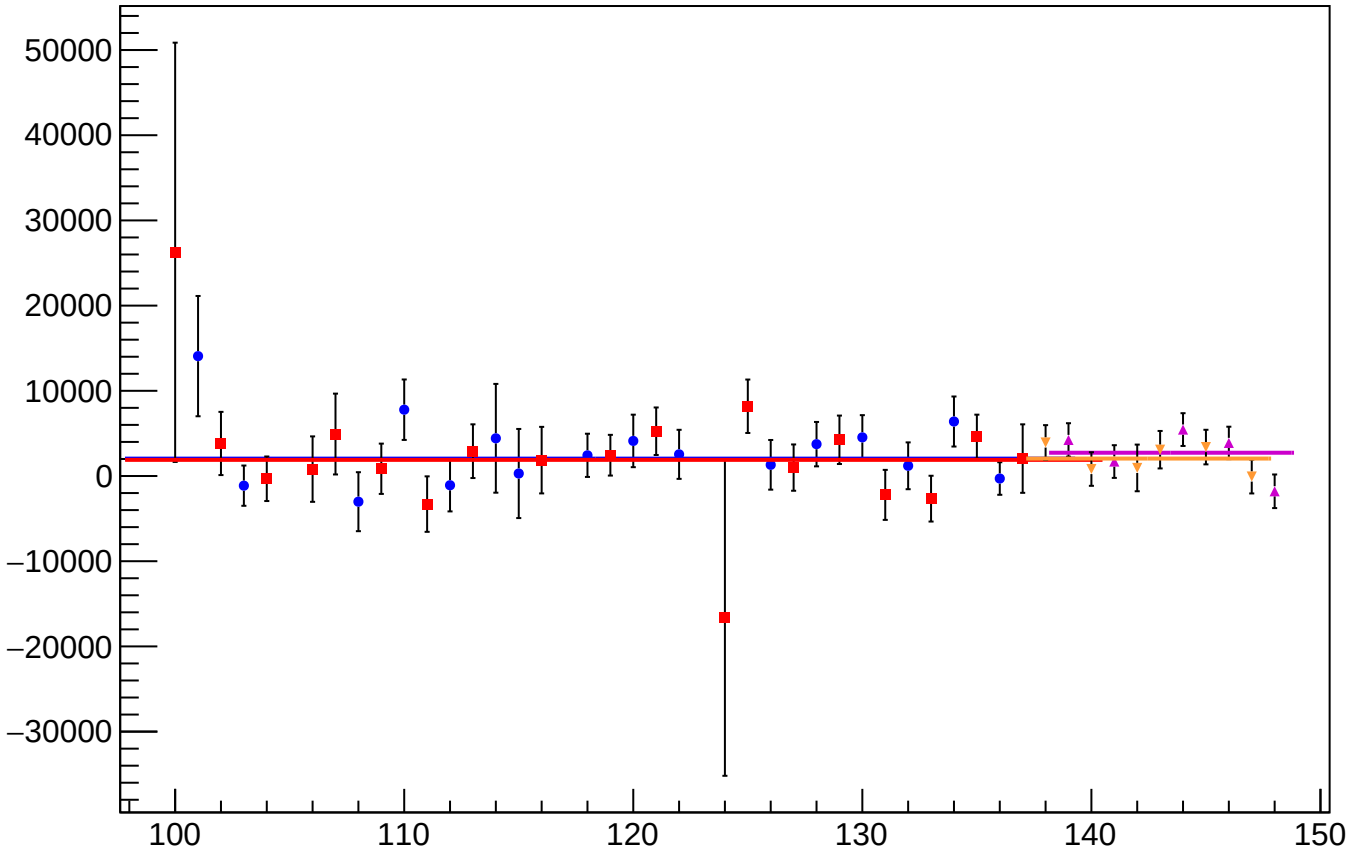
Left: 0.000+/-0.000 χ^2/NDF: 659330.4/10

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3834605.6/20

Out: 0.000+/-0.000 χ^2/NDF:3983211.2/24

All: 0.000+/-0.000 χ^2/NDF: 7822553.9/45



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.910+/-865.700 χ^2/NDF:3.2/5

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2731.025+/-865.749 χ^2/NDF:8.5/4

Left: 2389.448+/-612.160 χ^2/NDF: 12.0/10

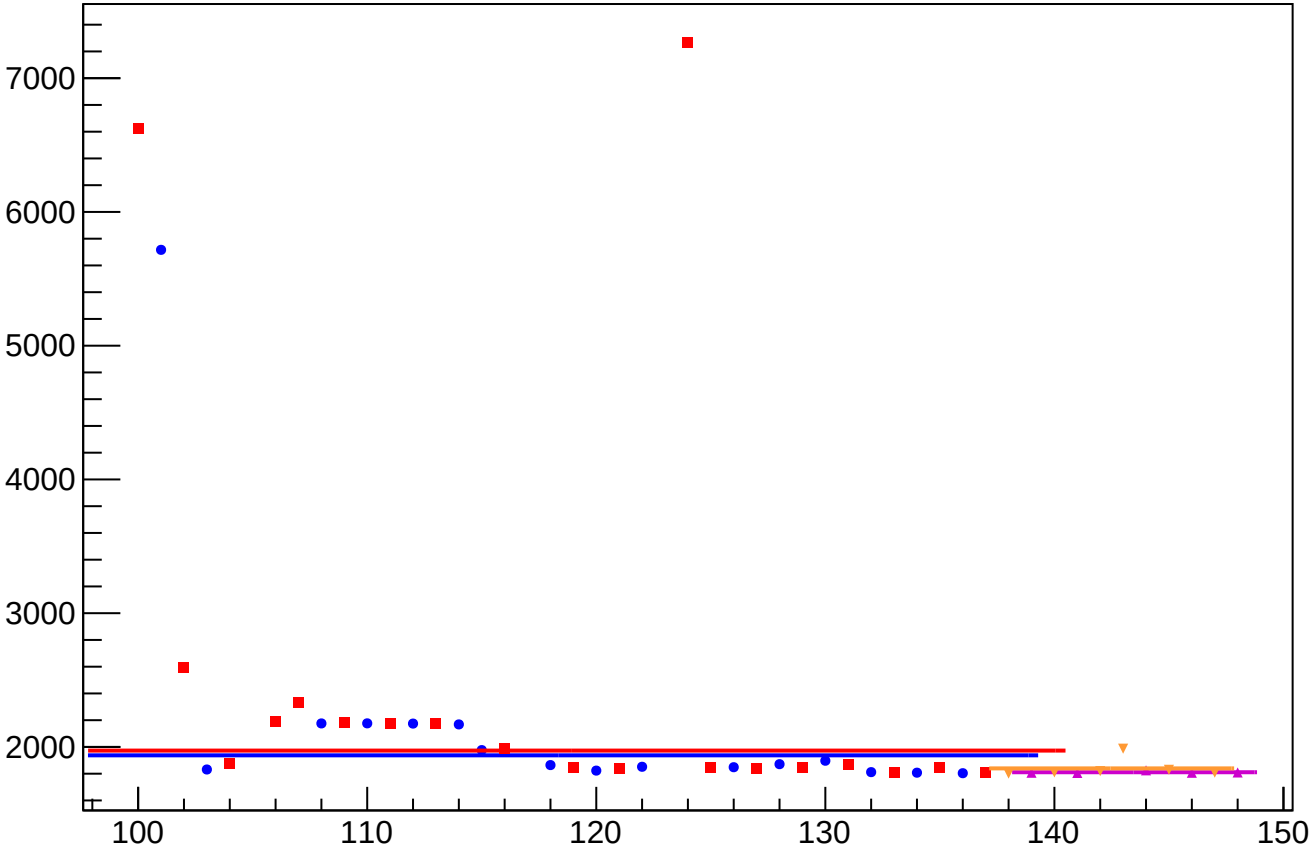
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2329.540+/-560.845 χ^2/NDF:25.3/20

Out: 1959.371+/-561.074 χ^2/NDF:21.7/24

All: 2144.531+/-396.658 χ^2/NDF: 47.2/45

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

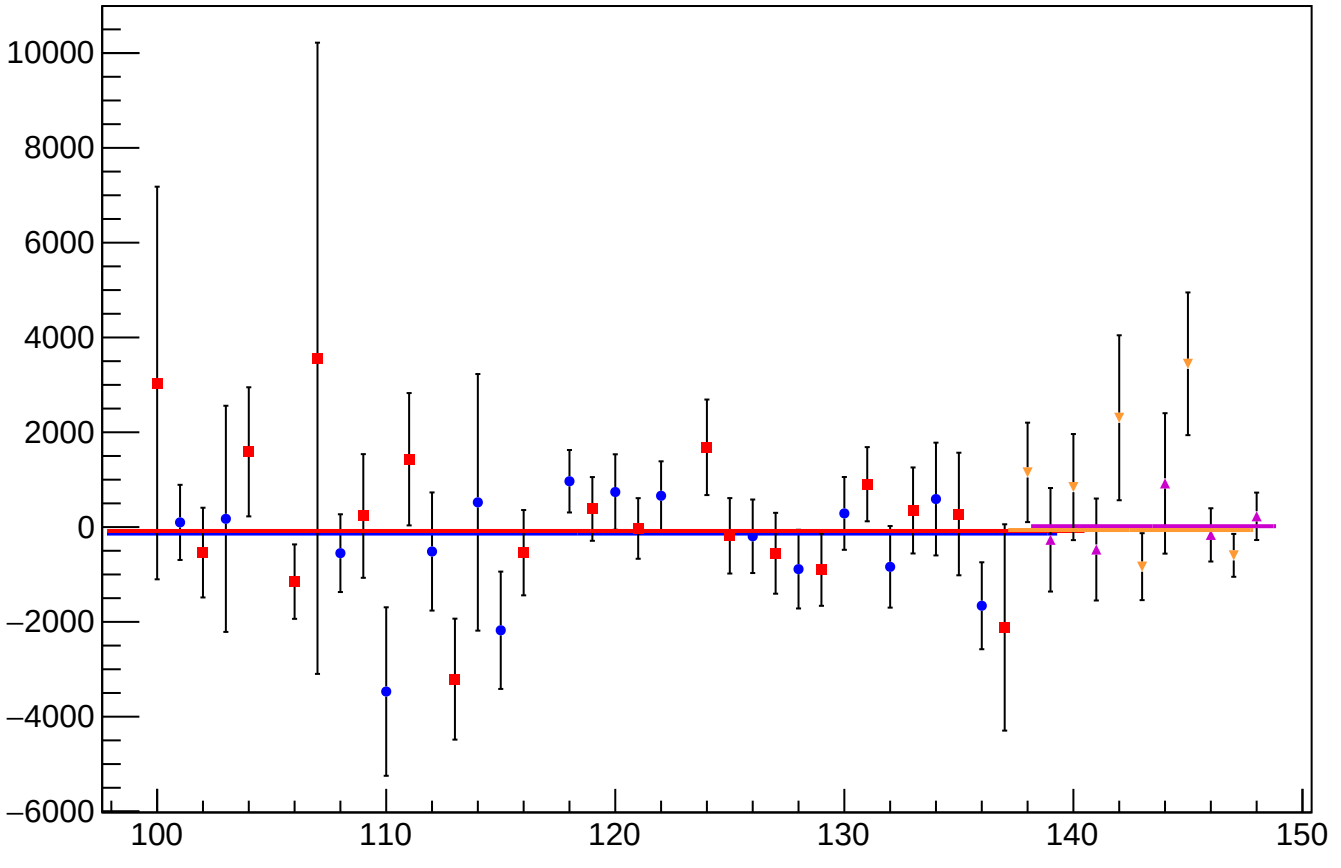
Left: 1825.251+/-0.433 χ^2/NDF: 12089.9/10

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1884.215+/-0.397 χ^2/NDF:662967.0/20

Out: 1916.837+/-0.397 χ^2/NDF:415813.4/24

All: 1900.519+/-0.280 χ^2/NDF: 1082162.5/45



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -62.480+/-326.681 χ^2/NDF:11.9/5

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 18.323+/-327.537 χ^2/NDF:0.9/4

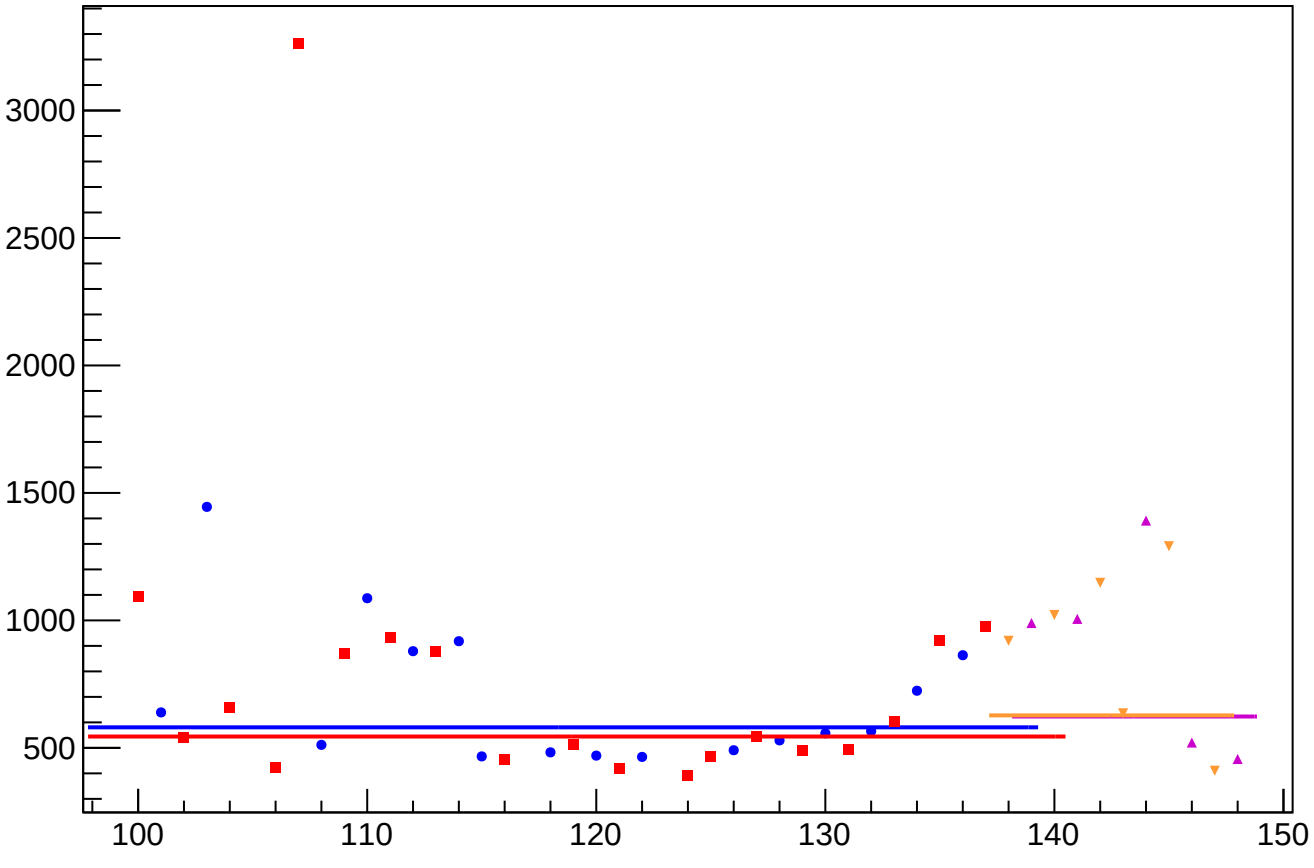
Left: -22.184+/-231.300 χ^2/NDF: 12.8/10

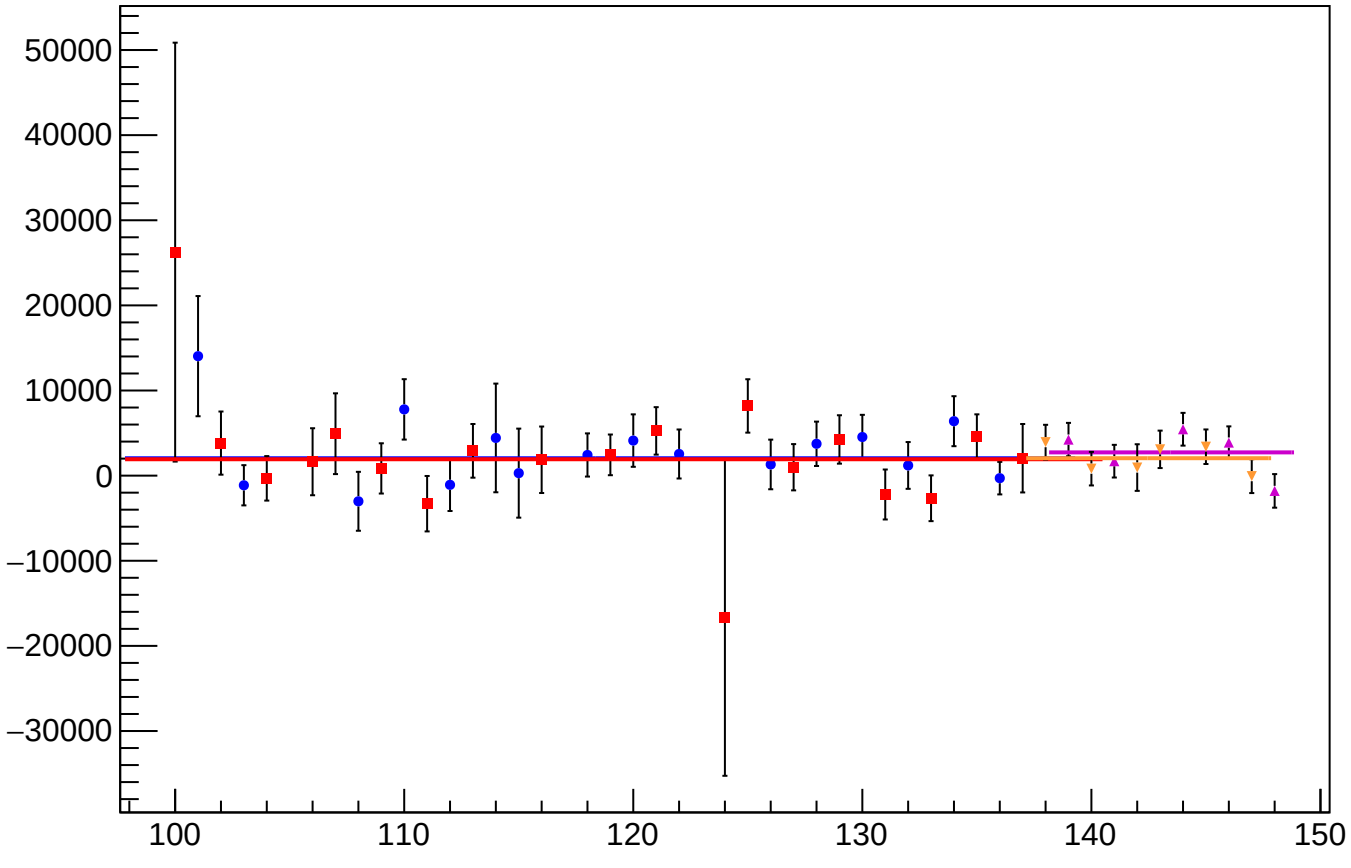
Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -85.337+/-188.463 χ^2/NDF:18.0/20

Out: -76.035+/-183.626 χ^2/NDF:31.6/24

All: -80.565+/-131.520 χ^2/NDF: 49.6/45


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 627.452+/-0.231 χ²/NDF:1430746.9/5
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 623.044+/-0.232 χ²/NDF:1304944.1/4
Left: 625.254+/-0.164 χ²/NDF: 2735872.6/10
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 594.660+/-0.133 χ²/NDF:2330809.0/20
Out: 570.730+/-0.130 χ²/NDF:2806537.2/24
All: 582.383+/-0.093 χ²/NDF: 5153887.8/45



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.876+/-865.700 χ^2/NDF:3.2/5

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2731.249+/-865.749 χ^2/NDF:8.5/4

Left: 2389.543+/-612.160 χ^2/NDF: 12.0/10

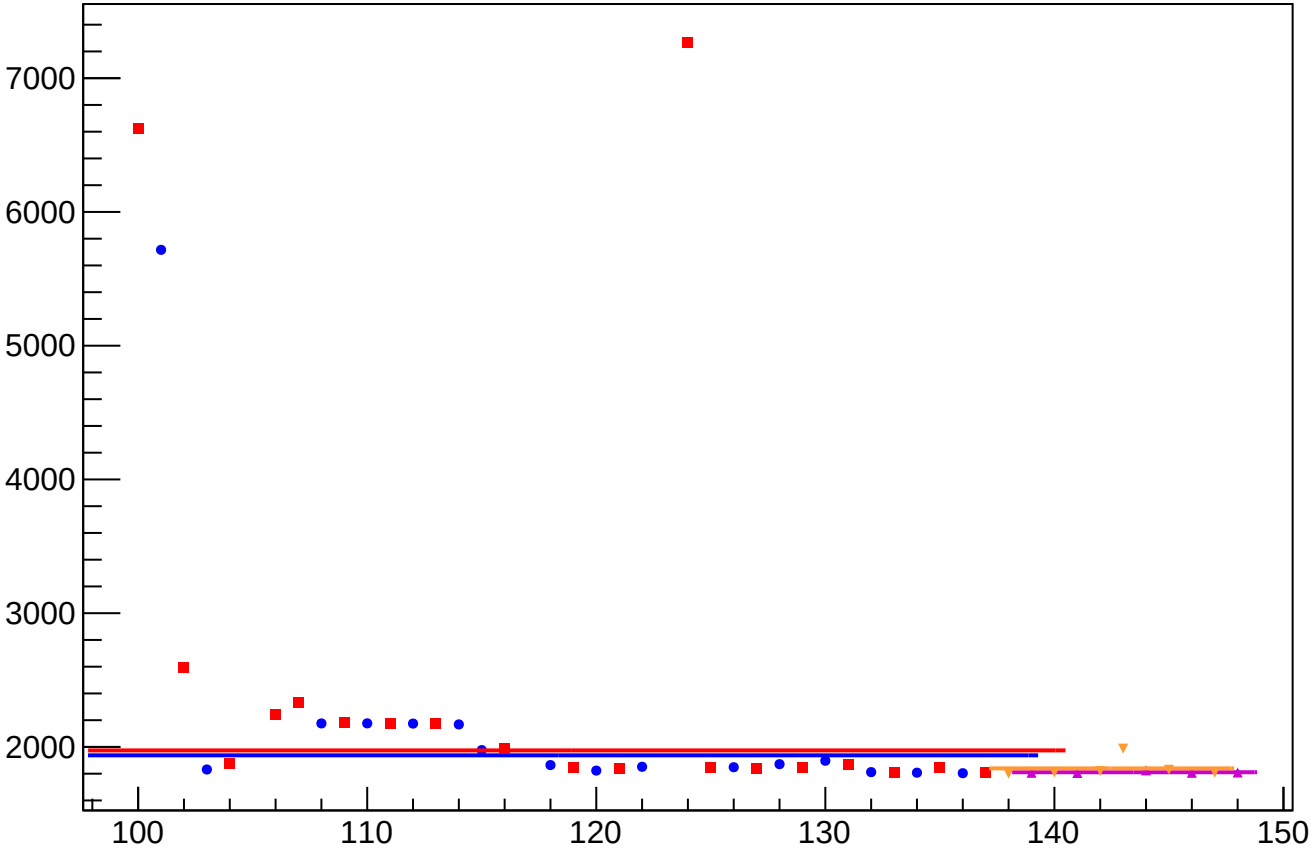
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2329.420+/-560.845 χ^2/NDF:25.3/20

Out: 1977.400+/-561.361 χ^2/NDF:21.6/24

All: 2153.572+/-396.759 χ^2/NDF: 47.1/45

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

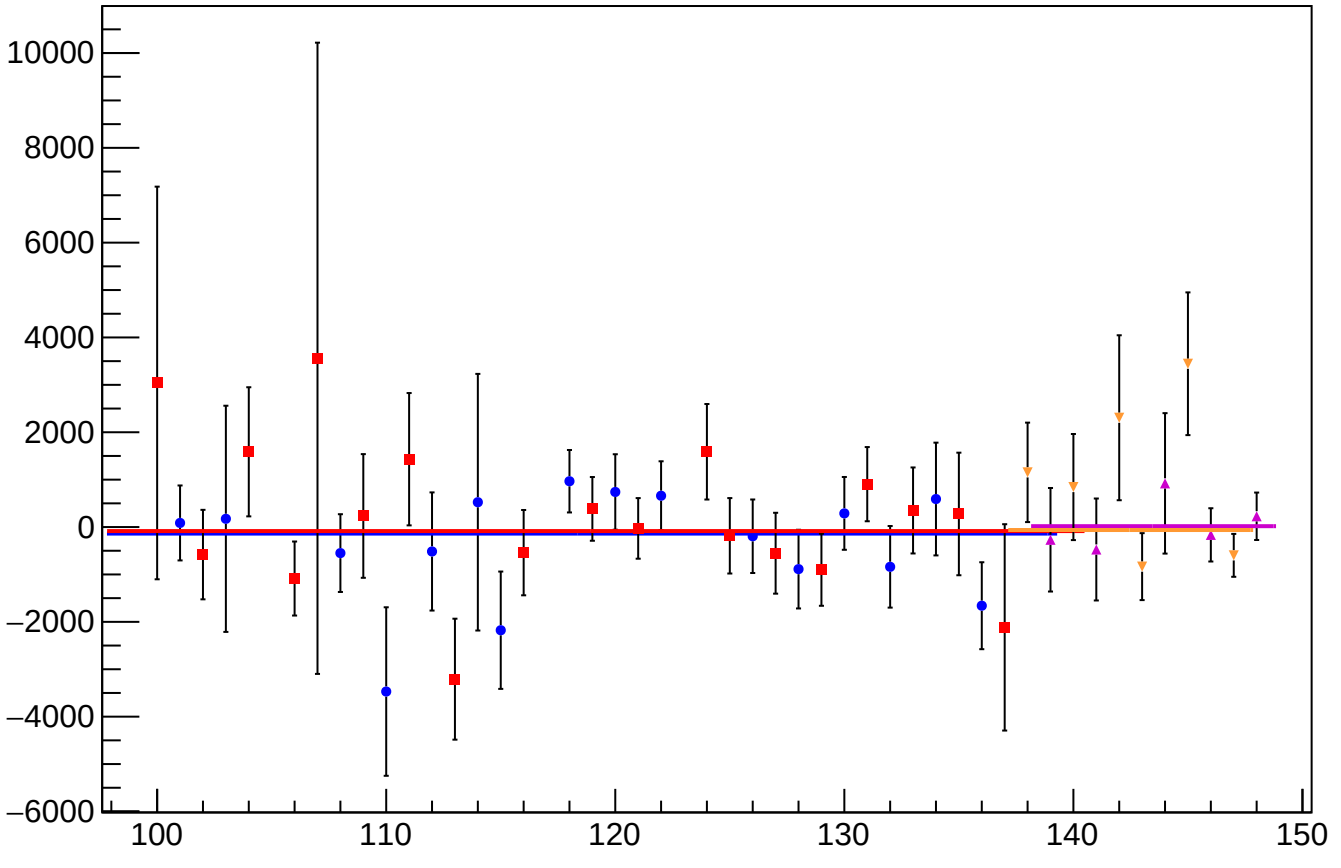
Left: 1825.251+/-0.433 χ^2/NDF: 12089.9/10

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1884.215+/-0.397 χ^2/NDF:662967.0/20

Out: 1917.589+/-0.397 χ^2/NDF:419264.0/24

All: 1900.886+/-0.281 χ^2/NDF: 1085768.8/45



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -62.673+/-326.691 χ^2/NDF:11.9/5

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 18.411+/-327.530 χ^2/NDF:0.9/4

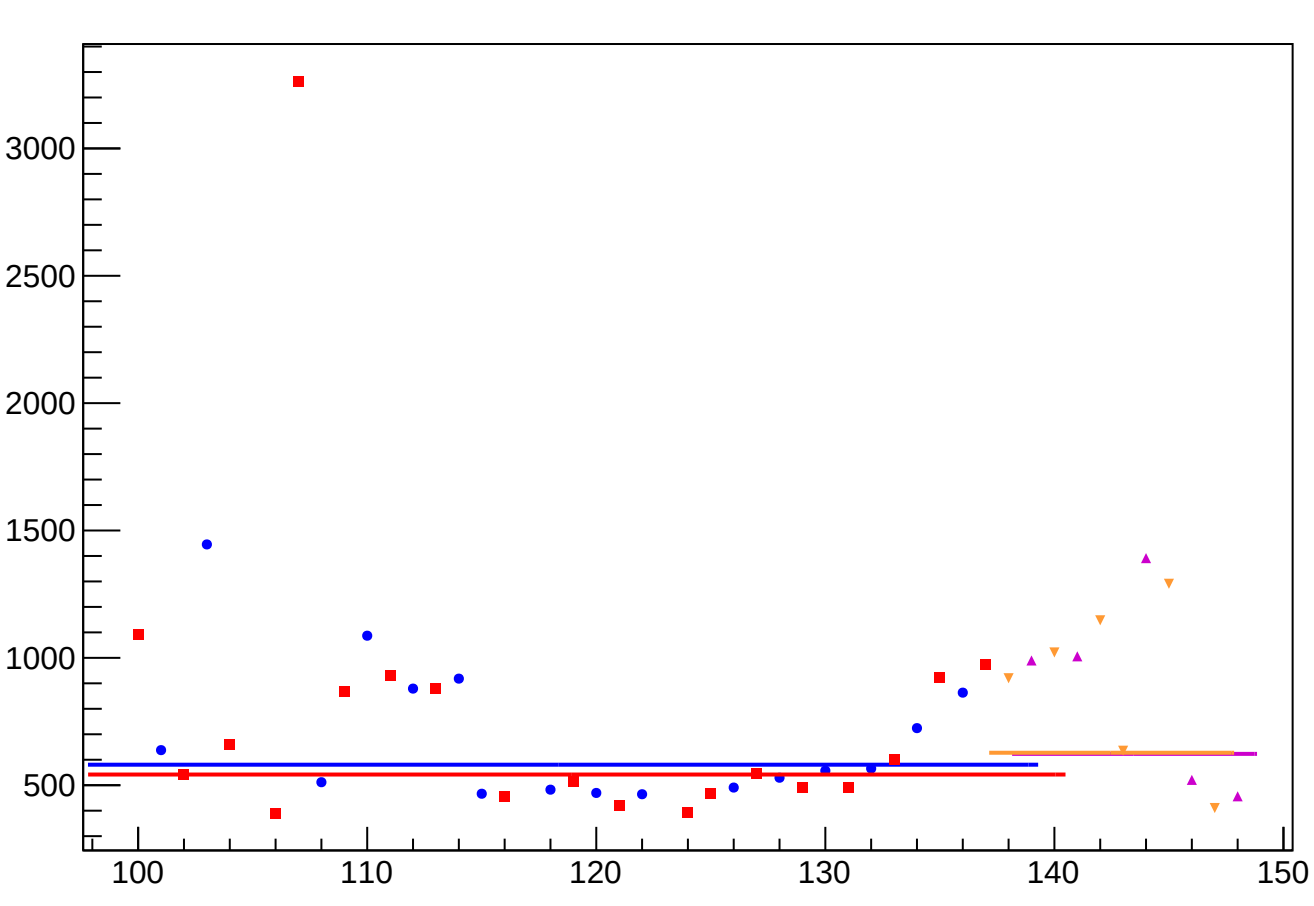
Left: -22.235+/-231.302 χ^2/NDF: 12.8/10

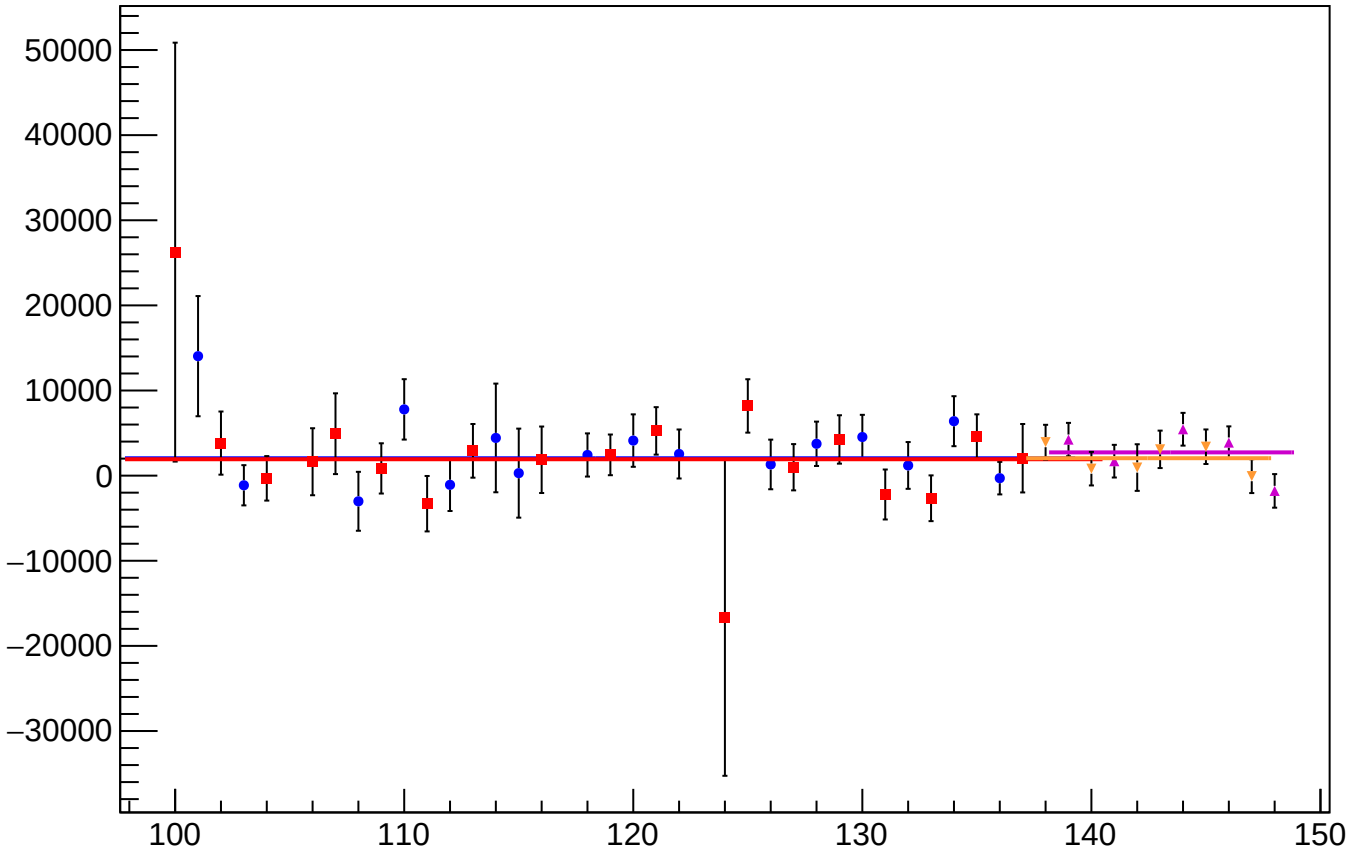
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -85.888+/-188.435 χ^2/NDF:18.0/20

Out: -77.916+/-183.549 χ^2/NDF:31.2/24

All: -81.797+/-131.482 χ^2/NDF: 49.1/45


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 627.478+/-0.231 χ²/NDF:1430569.1/5
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 623.025+/-0.232 χ²/NDF:1305049.1/4
Left: 625.257+/-0.164 χ²/NDF: 2735803.5/10
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 594.588+/-0.133 χ²/NDF:2330485.2/20
Out: 568.941+/-0.130 χ²/NDF:2843252.4/24
All: 581.428+/-0.093 χ²/NDF: 5192749.5/45



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.876+/-865.700 χ^2/NDF:3.2/5

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2731.249+/-865.749 χ^2/NDF:8.5/4

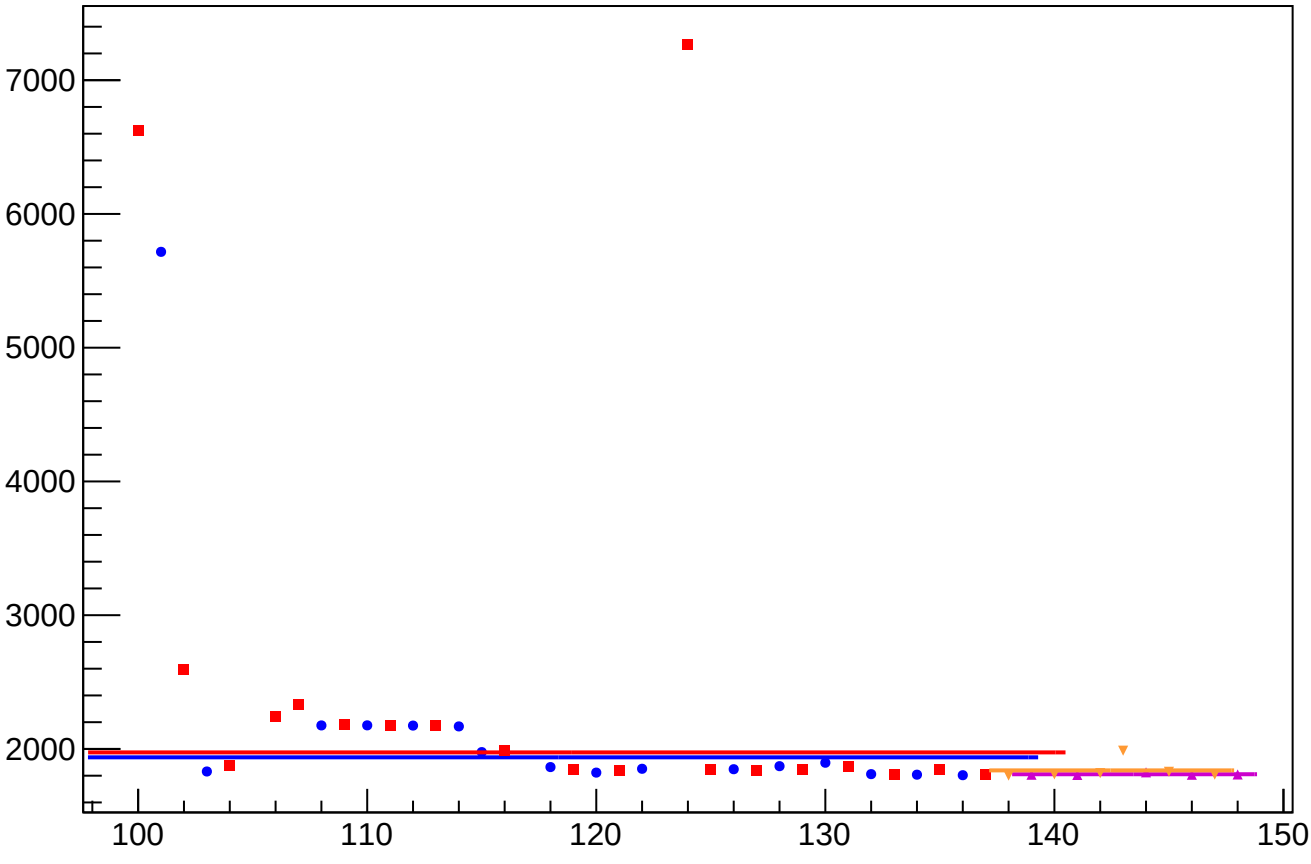
Left: 2389.543+/-612.160 χ^2/NDF: 12.0/10

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2329.420+/-560.845 χ^2/NDF:25.3/20

Out: 1977.400+/-561.361 χ^2/NDF:21.6/24

All: 2153.572+/-396.759 χ^2/NDF: 47.1/45



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

Left: 1825.251+/-0.433 χ^2/NDF: 12089.9/10

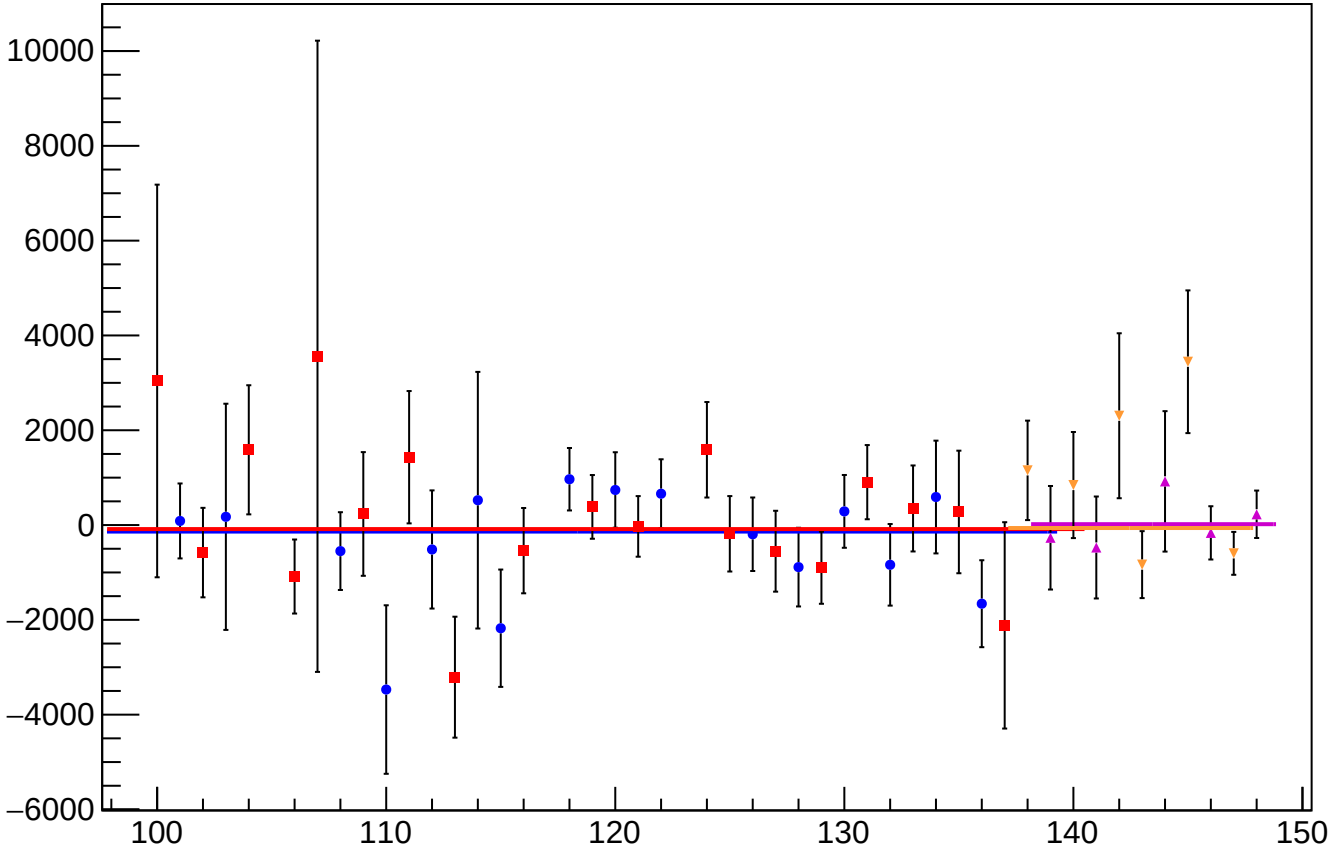
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1884.215+/-0.397 χ^2/NDF:662967.0/20

Out: 1917.589+/-0.397 χ^2/NDF:419264.0/24

All: 1900.886+/-0.281 χ^2/NDF: 1085768.8/45

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: -62.673+/-326.691 χ^2/NDF:11.9/5

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 18.411+/-327.530 χ^2/NDF:0.9/4

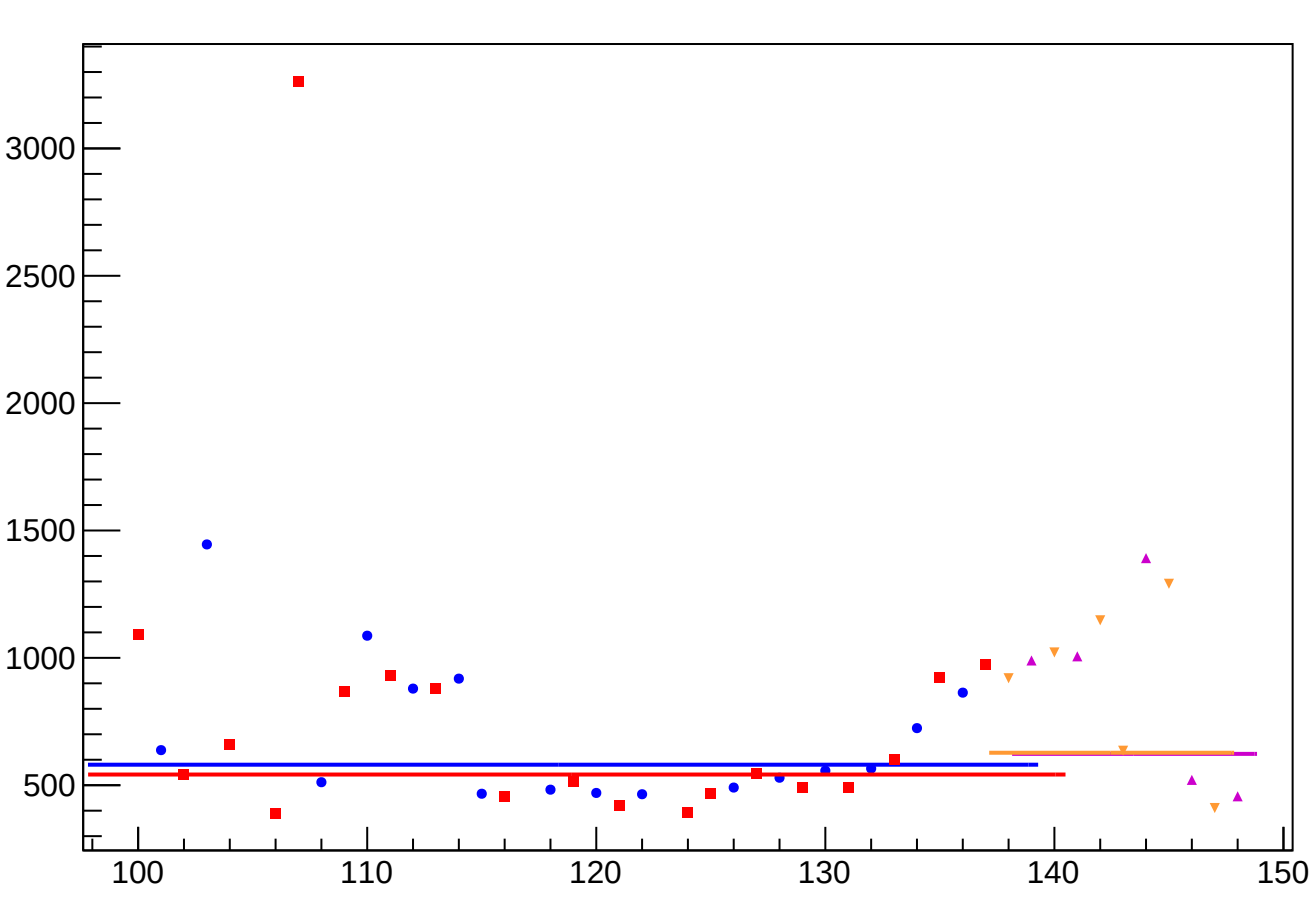
Left: -22.235+/-231.302 χ^2/NDF: 12.8/10

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -85.888+/-188.435 χ^2/NDF:18.0/20

Out: -77.916+/-183.549 χ^2/NDF:31.2/24

All: -81.797+/-131.482 χ^2/NDF: 49.1/45



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 627.478+/-0.231 χ^2/NDF:1430569.1/5

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 623.025+/-0.232 χ^2/NDF:1305049.1/4

Left: 625.257+/-0.164 χ^2/NDF: 2735803.5/10

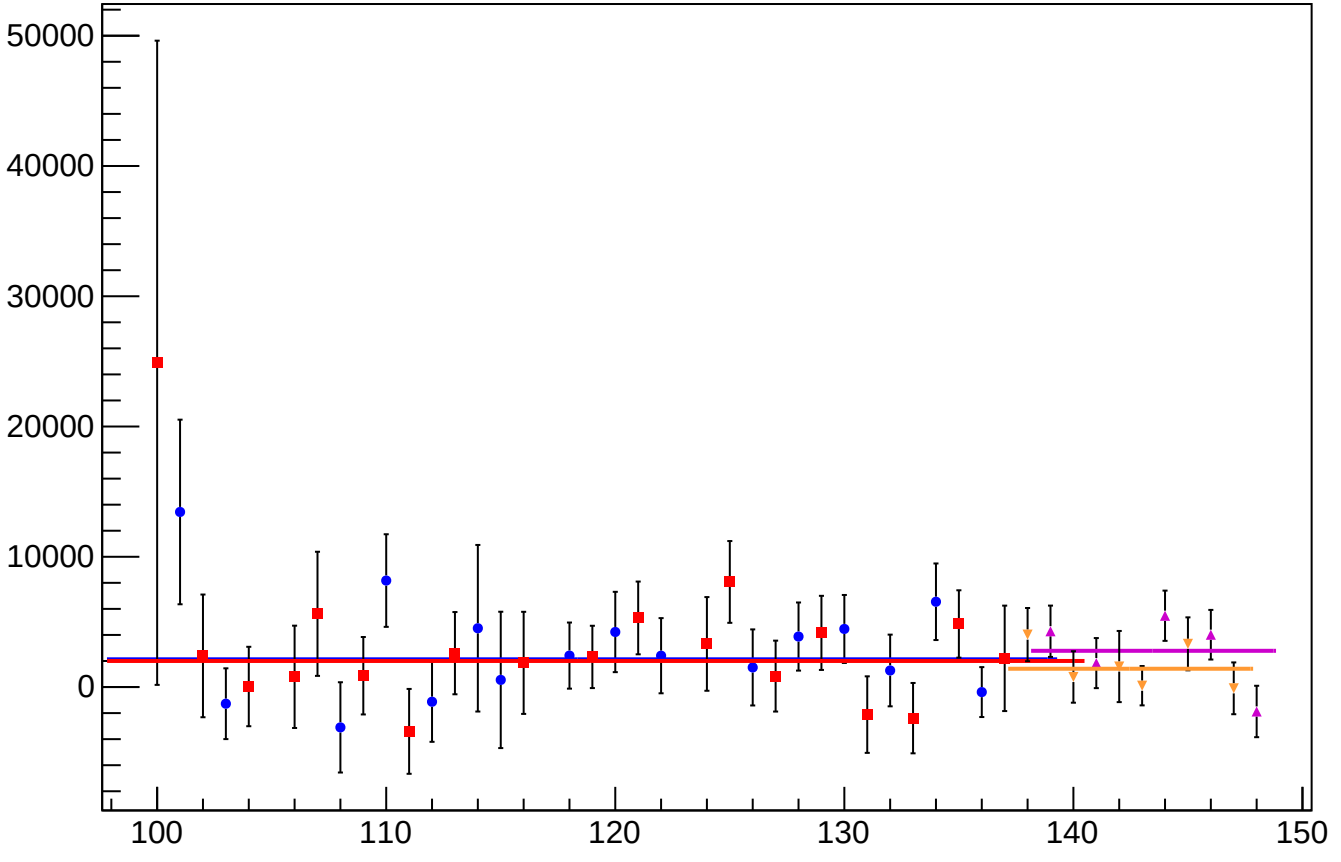
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 594.588+/-0.133 χ^2/NDF:2330485.2/20

Out: 568.941+/-0.130 χ^2/NDF:2843252.4/24

All: 581.428+/-0.093 χ^2/NDF: 5192749.5/45

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1404.829+/-799.809 χ^2/NDF:3.9/5

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2781.953+/-867.180 χ^2/NDF:8.8/4

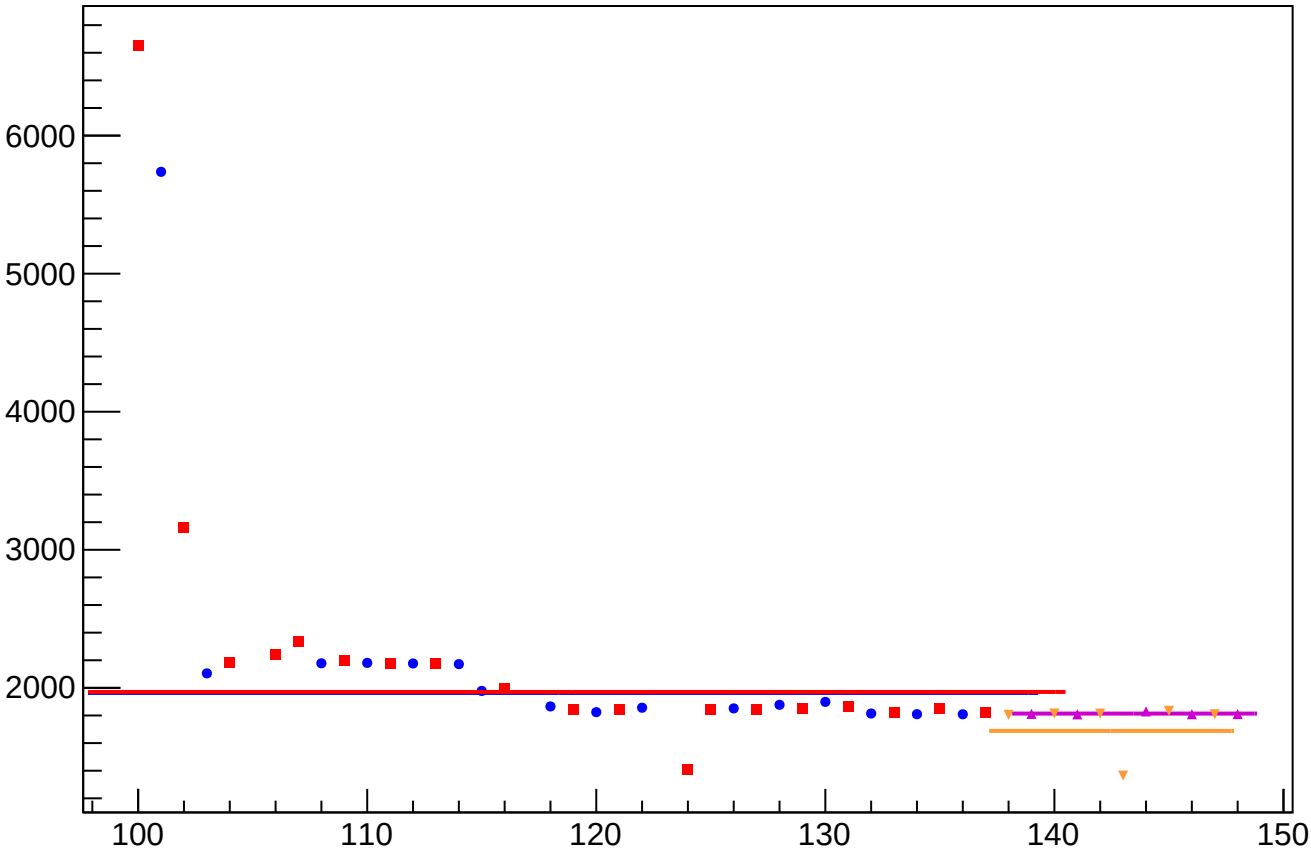
Left: 2037.825+/-587.927 χ^2/NDF: 14.1/10

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2406.662+/-565.639 χ^2/NDF:25.6/20

Out: 1727.821+/-542.061 χ^2/NDF:21.0/24

All: 2052.798+/-391.365 χ^2/NDF: 47.3/45



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1688.390+/-0.566 χ^2/NDF:128366.1/5

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

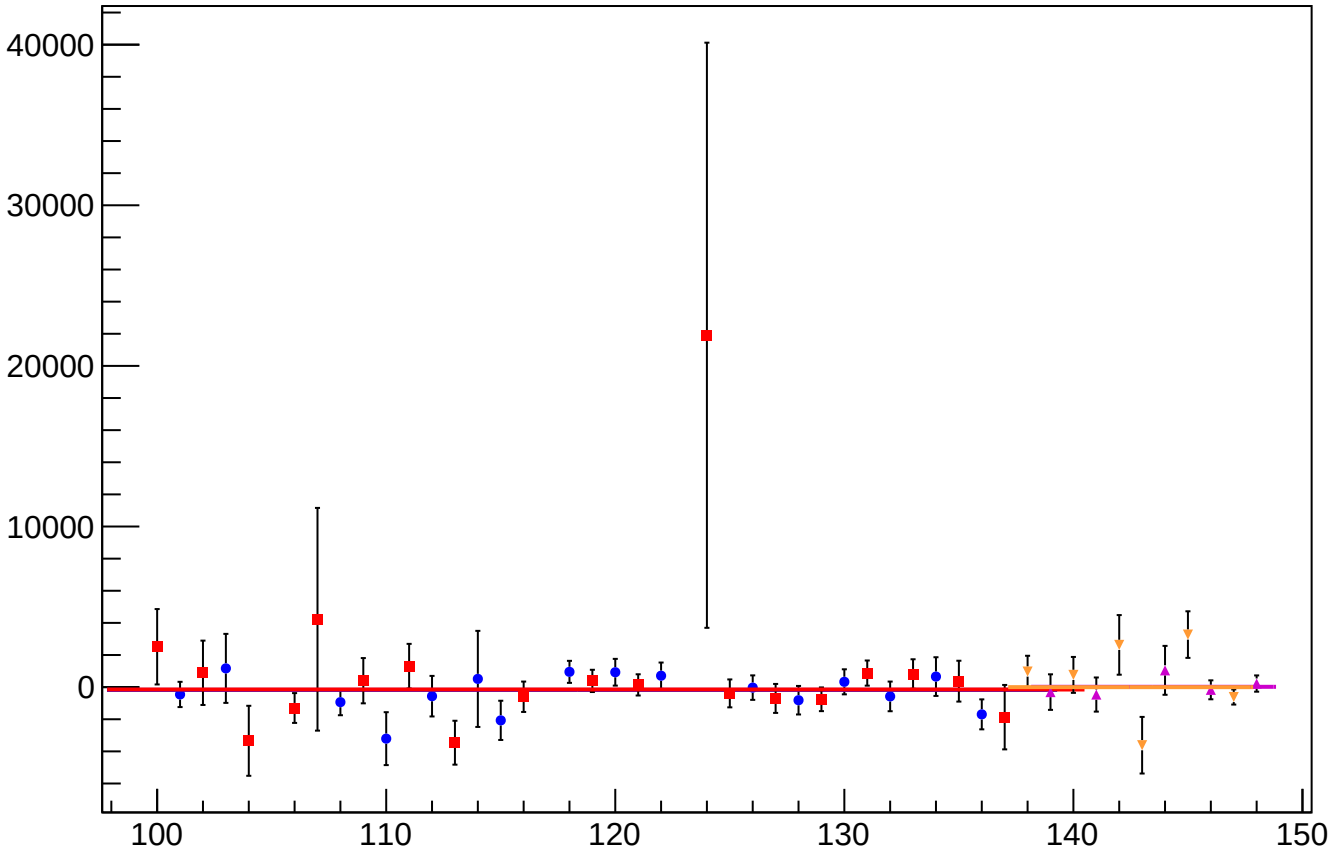
Left: 1746.037+/-0.416 χ^2/NDF: 151143.2/10

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1899.762+/-0.400 χ^2/NDF:674628.6/20

Out: 1840.897+/-0.383 χ^2/NDF:607992.8/24

All: 1869.077+/-0.277 χ^2/NDF: 1293912.6/45



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -1.113+/-366.714 χ^2/NDF:14.4/5

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 20.181+/-335.091 χ^2/NDF:1.0/4

Left: 10.491+/-247.371 χ^2/NDF: 15.5/10

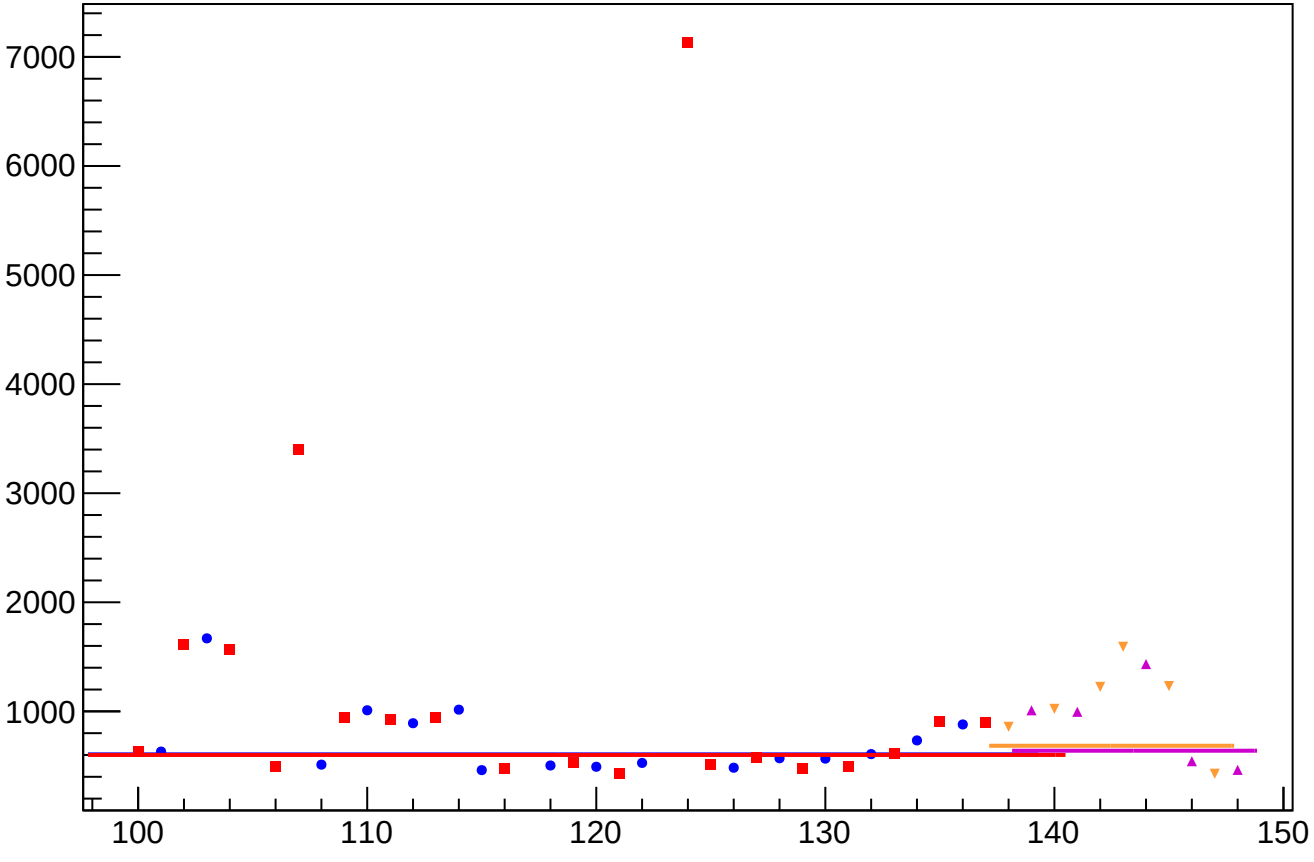
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -107.134+/-193.447 χ^2/NDF:18.5/20

Out: -102.866+/-202.475 χ^2/NDF:34.7/24

All: -105.098+/-139.870 χ^2/NDF: 53.1/45

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 684.598+/-0.259 χ^2/NDF:1824978.2/5

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 639.137+/-0.237 χ^2/NDF:1288124.0/4

Left: 659.823+/-0.175 χ^2/NDF: 3129852.4/10

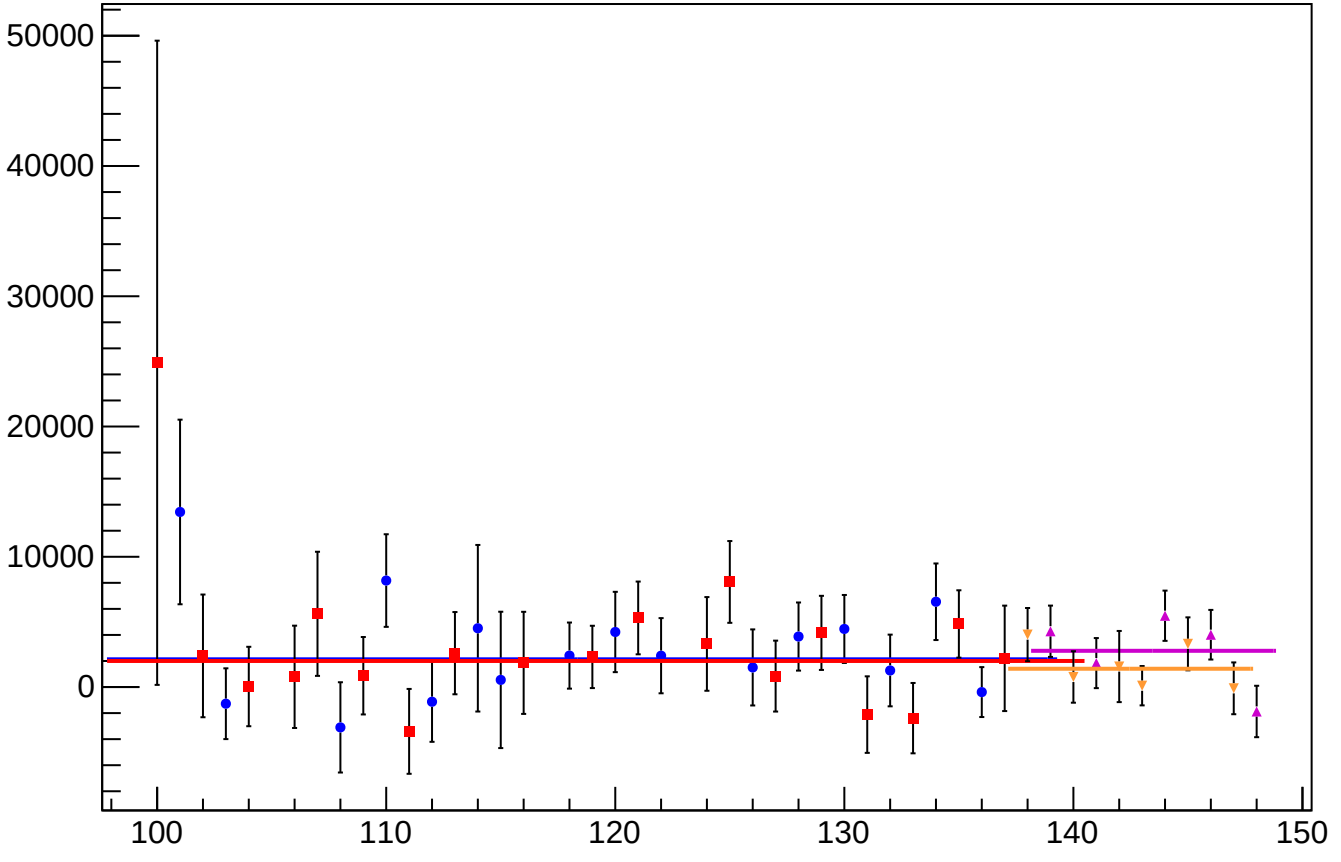
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 616.663+/-0.137 χ^2/NDF:2464071.5/20

Out: 626.100+/-0.143 χ^2/NDF:4226712.7/24

All: 621.167+/-0.099 χ^2/NDF: 6693055.6/45

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1404.831+/-799.809 χ^2/NDF:3.9/5

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2781.953+/-867.180 χ^2/NDF:8.8/4

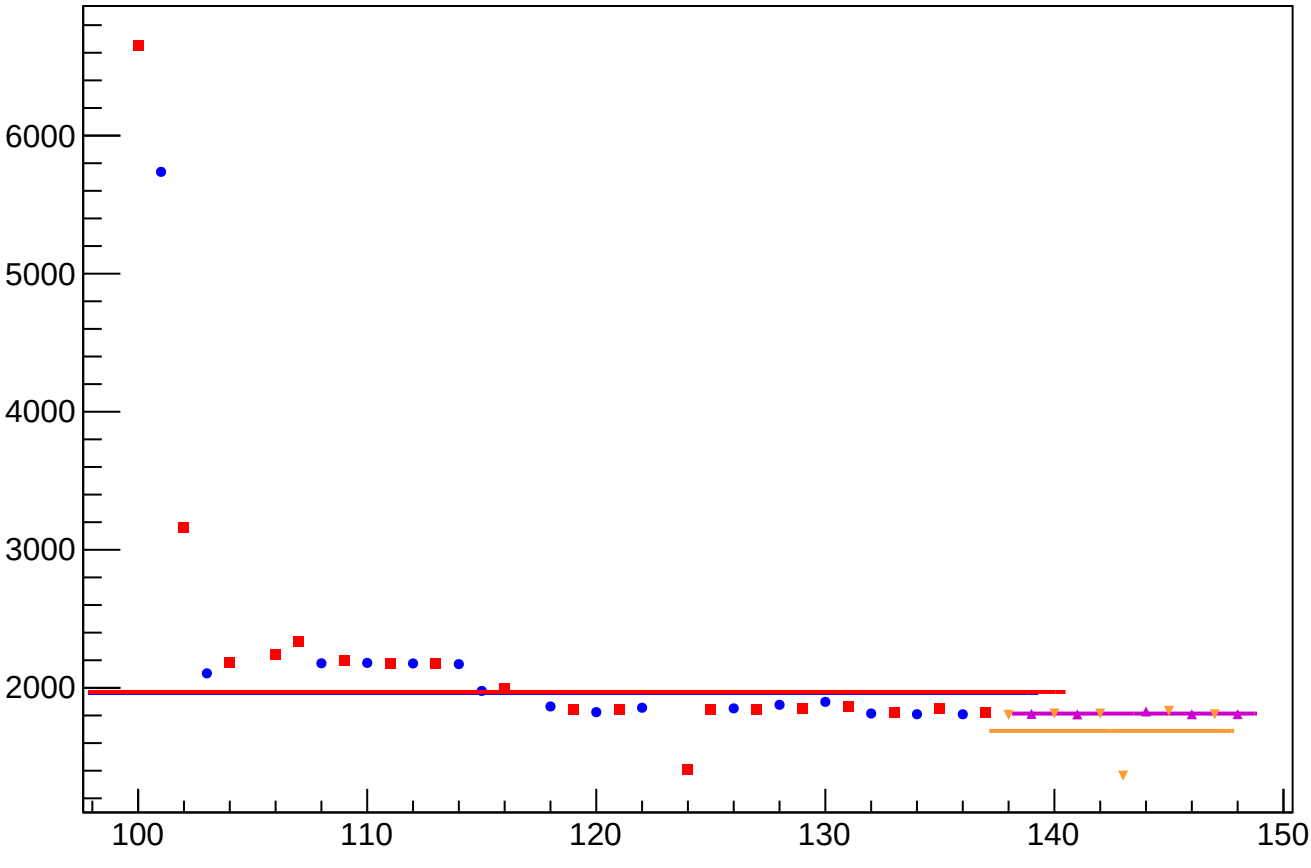
Left: 2037.826+/-587.927 χ^2/NDF: 14.1/10

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2406.660+/-565.639 χ^2/NDF:25.6/20

Out: 1727.821+/-542.061 χ^2/NDF:21.0/24

All: 2052.798+/-391.365 χ^2/NDF: 47.3/45



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1688.390+/-0.566 χ^2/NDF:128366.1/5

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

Left: 1746.037+/-0.416 χ^2/NDF: 151143.2/10

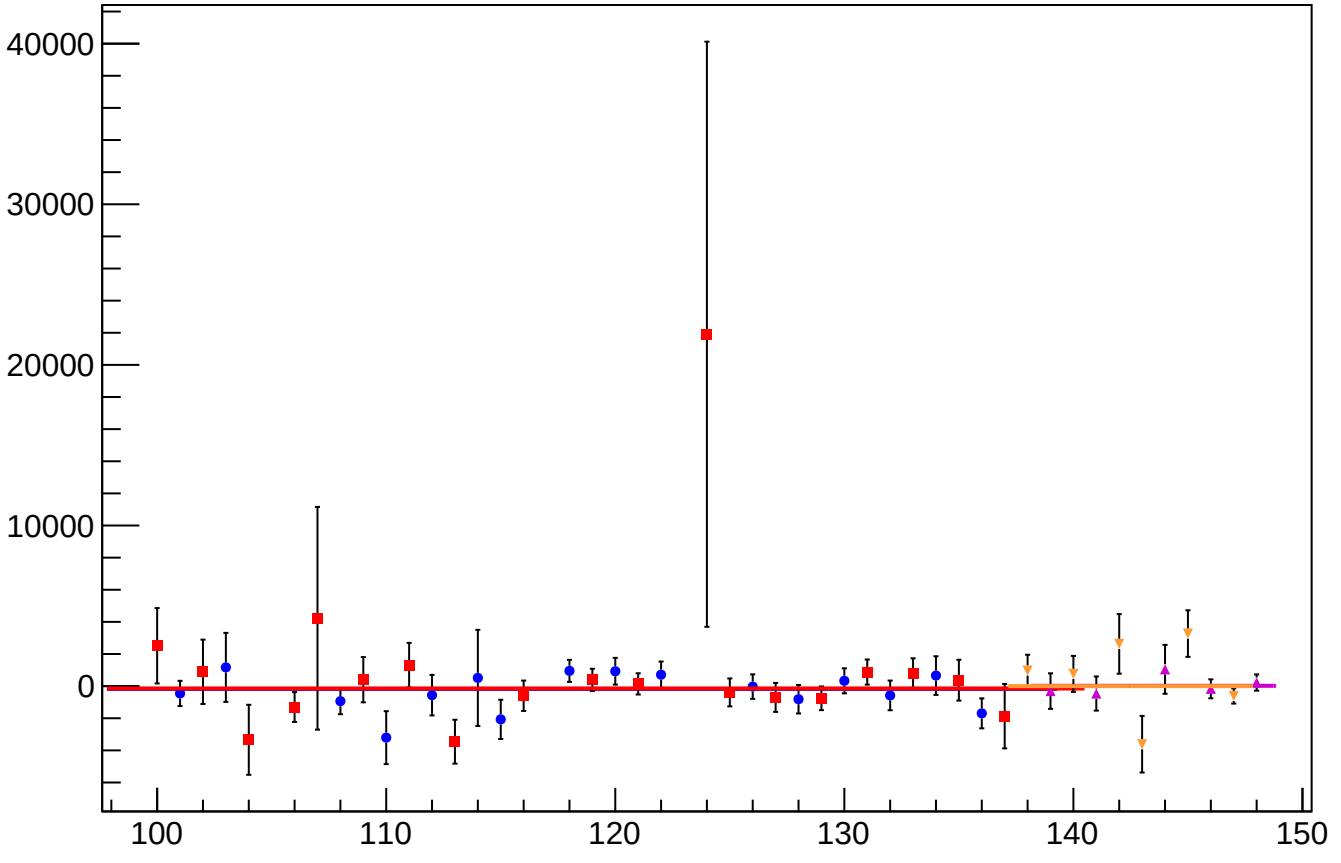
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1899.762+/-0.400 χ^2/NDF:674628.2/20

Out: 1840.897+/-0.383 χ^2/NDF:607991.3/24

All: 1869.077+/-0.277 χ^2/NDF: 1293910.7/45

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: -1.113+/-366.714 χ^2/NDF:14.4/5

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 20.180+/-335.092 χ^2/NDF:1.0/4

Left: 10.491+/-247.371 χ^2/NDF: 15.5/10

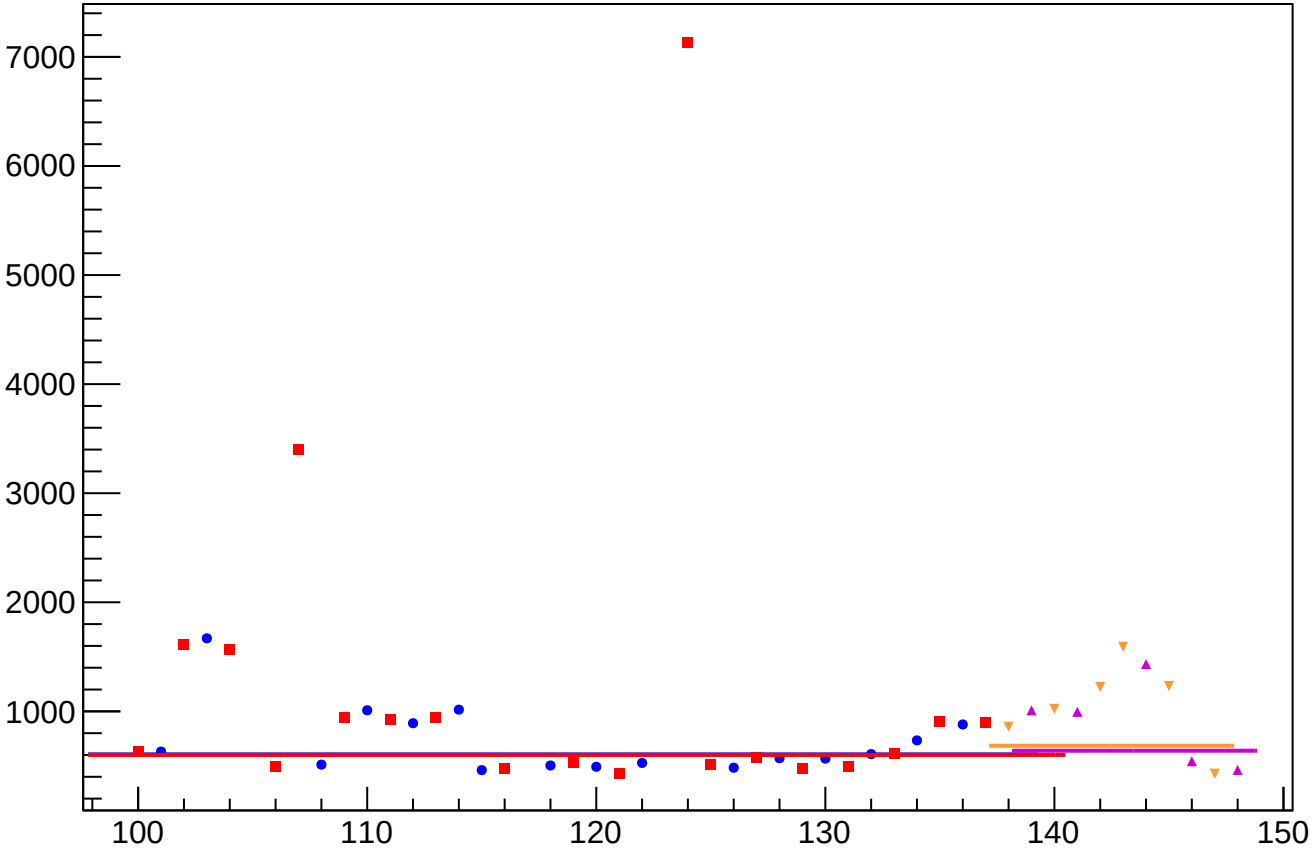
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -107.134+/-193.447 χ^2/NDF:18.5/20

Out: -102.866+/-202.475 χ^2/NDF:34.7/24

All: -105.097+/-139.870 χ^2/NDF: 53.1/45

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: 684.599+/-0.259 χ^2/NDF:1824973.8/5

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 639.139+/-0.237 χ^2/NDF:1288121.3/4

Left: 659.825+/-0.175 χ^2/NDF: 3129845.3/10

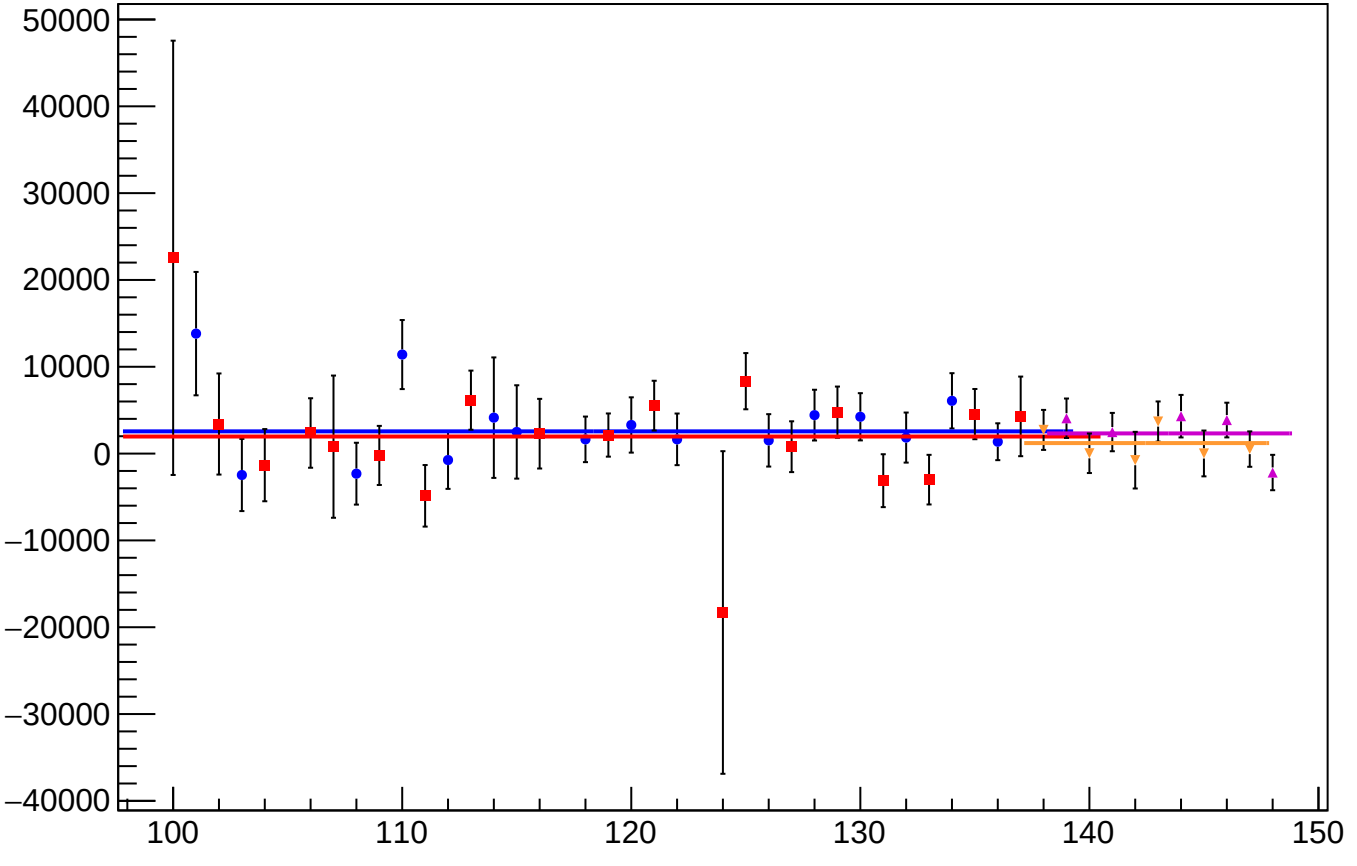
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 616.663+/-0.137 χ^2/NDF:2464078.6/20

Out: 626.100+/-0.143 χ^2/NDF:4226719.8/24

All: 621.167+/-0.099 χ^2/NDF: 6693069.8/45

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1210.726+/-977.583 χ^2/NDF:2.5/5

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 2324.454+/-973.009 χ^2/NDF:6.7/4

Left: 1770.202+/-689.633 χ^2/NDF: 9.9/10

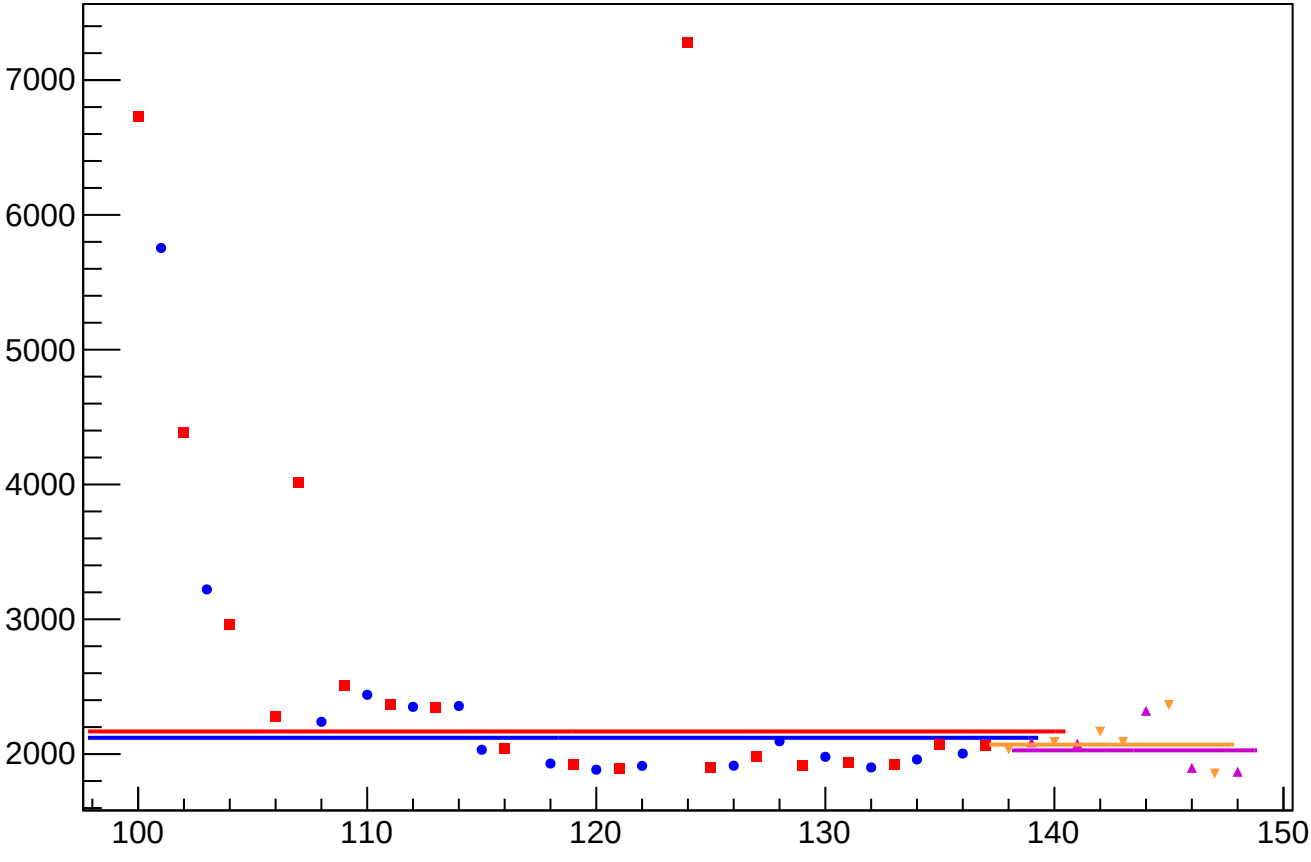
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2464.204+/-622.369 χ^2/NDF:21.4/20

Out: 1655.017+/-627.725 χ^2/NDF:24.5/24

All: 2063.078+/-441.963 χ^2/NDF: 46.7/45

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2070.221+/-0.691 χ^2/NDF:49571.6/5

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2027.540+/-0.688 χ^2/NDF:51654.2/4

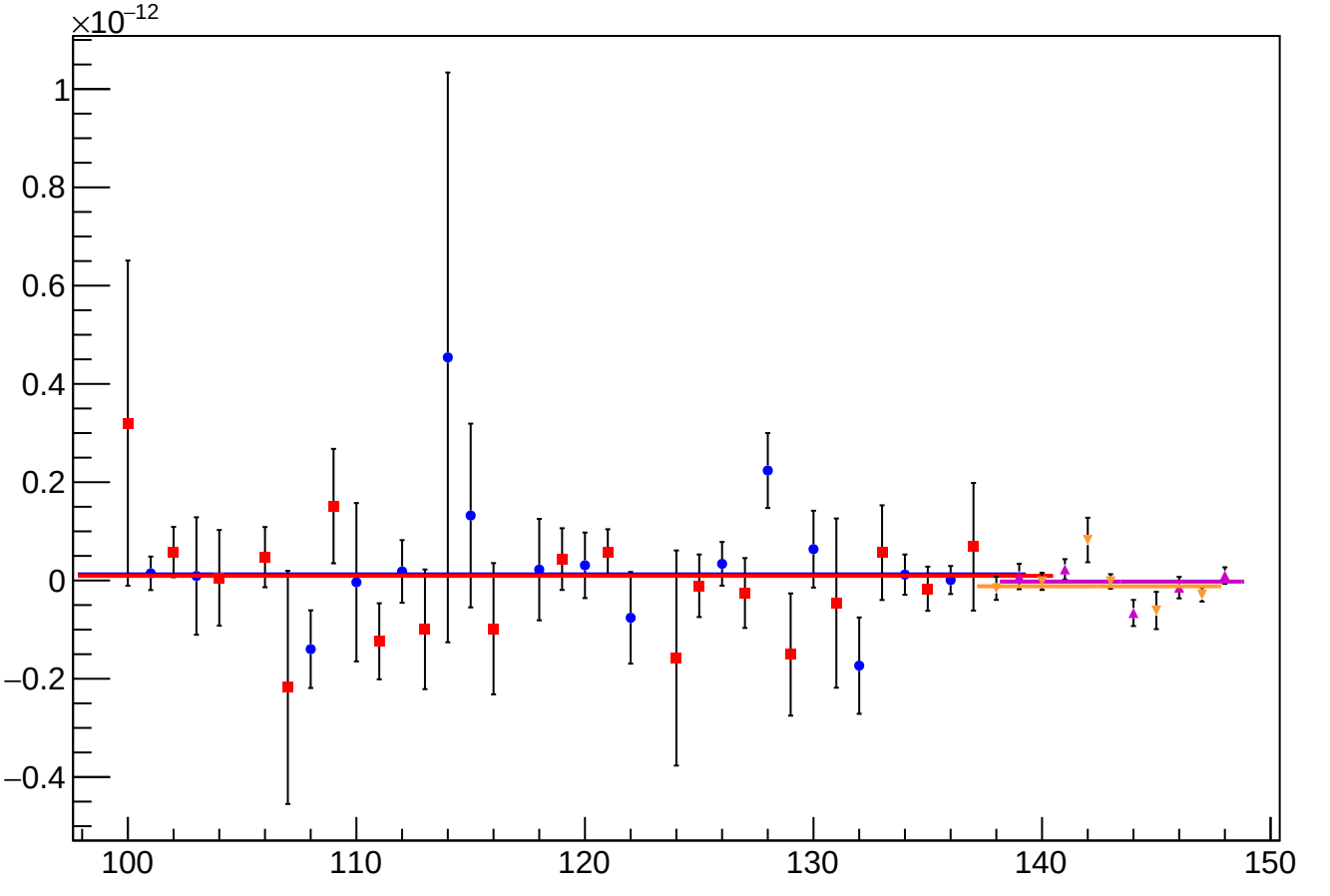
Left: 2048.781+/-0.488 χ^2/NDF: 103140.9/10

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2082.631+/-0.440 χ^2/NDF:822474.3/20

Out: 2127.590+/-0.444 χ^2/NDF:885217.4/24

All: 2104.918+/-0.313 χ^2/NDF: 1712865.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

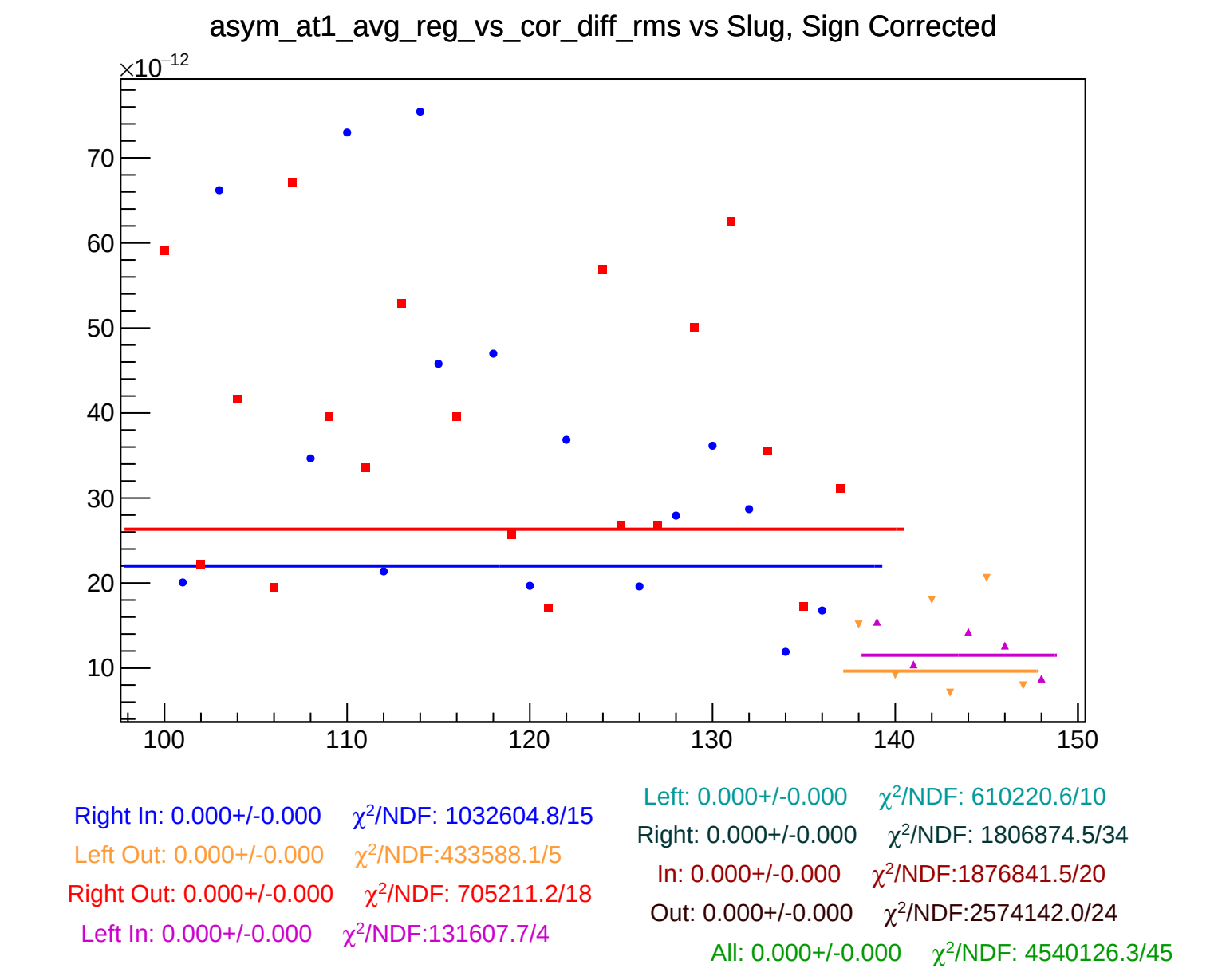
Left: -0.000+/-0.000 χ^2/NDF: 17.0/10

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

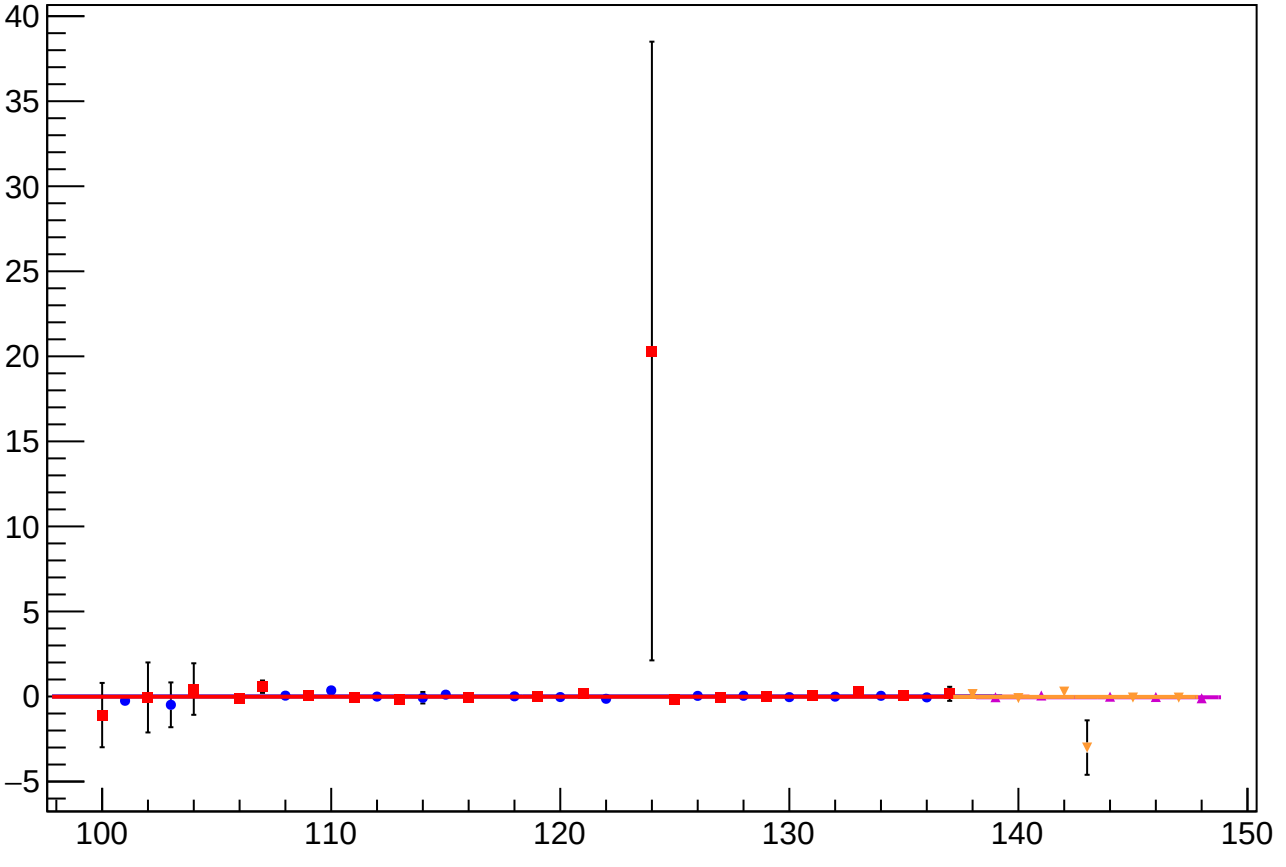
In: 0.000+/-0.000 χ^2/NDF:26.7/20

Out: -0.000+/-0.000 χ^2/NDF:23.2/24

All: -0.000+/-0.000 χ^2/NDF: 50.8/45


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:433588.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:131607.7/4
Left: 0.000+/-0.000 χ²/NDF: 610220.6/10
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:1876841.5/20
Out: 0.000+/-0.000 χ²/NDF:2574142.0/24
All: 0.000+/-0.000 χ²/NDF: 4540126.3/45

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

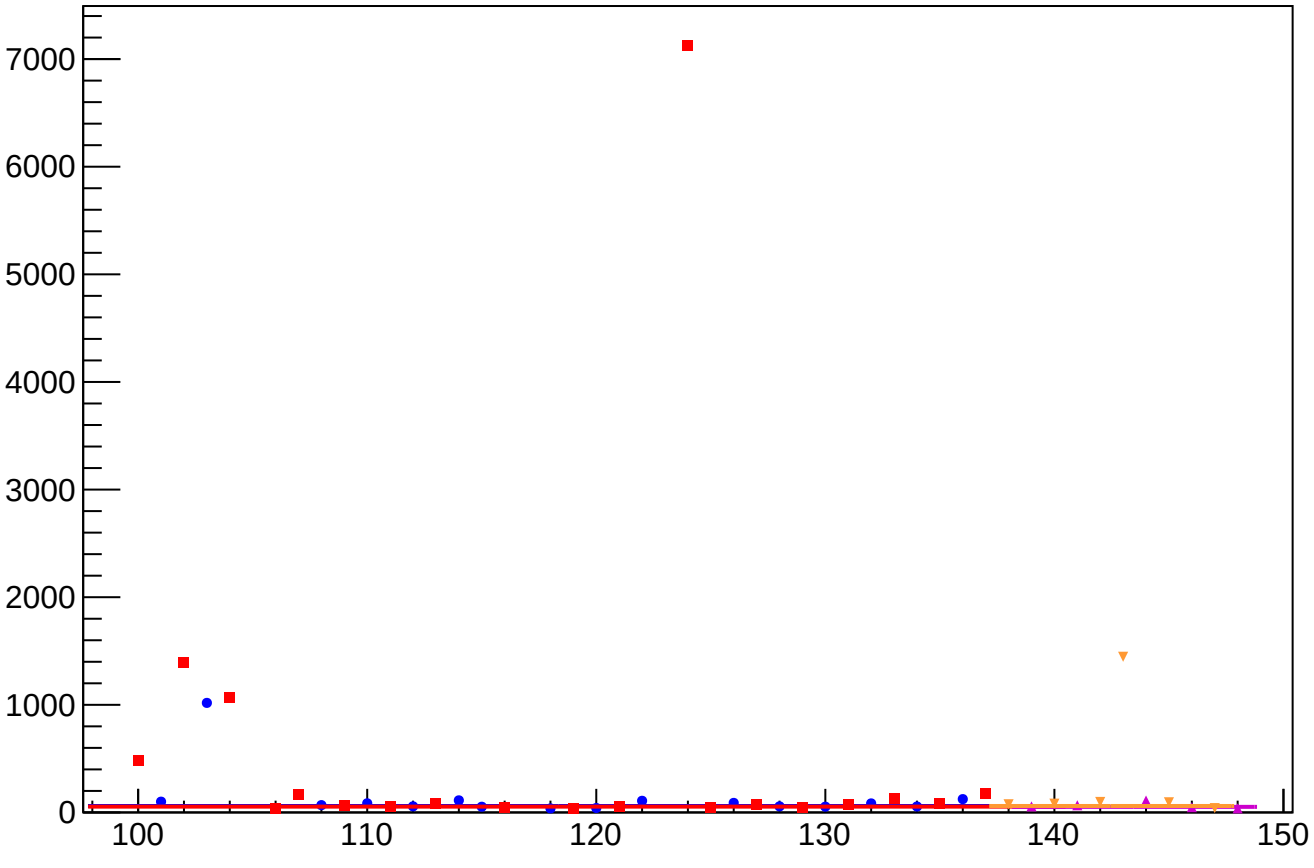
Left: -0.037+/-0.022 χ^2/NDF: 16.1/10

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.018+/-0.014 χ^2/NDF: 46.5/45



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309816.3/5

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

Left: 55.149+/-0.016 χ^2/NDF: 3128746.4/10

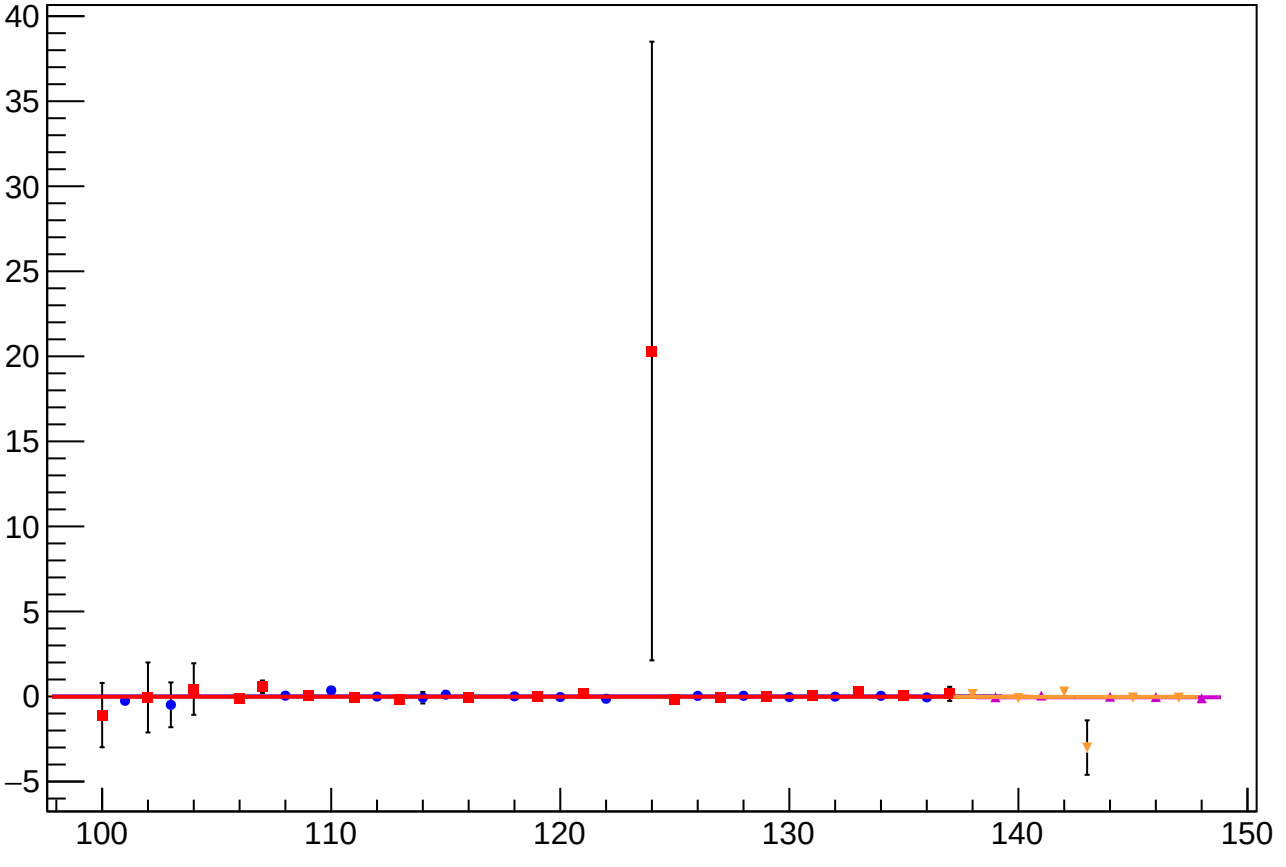
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 56.142+/-0.014 χ^2/NDF:3374991.0/20

Out: 56.279+/-0.015 χ^2/NDF:5867211.1/24

All: 56.205+/-0.010 χ^2/NDF: 9242248.0/45

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

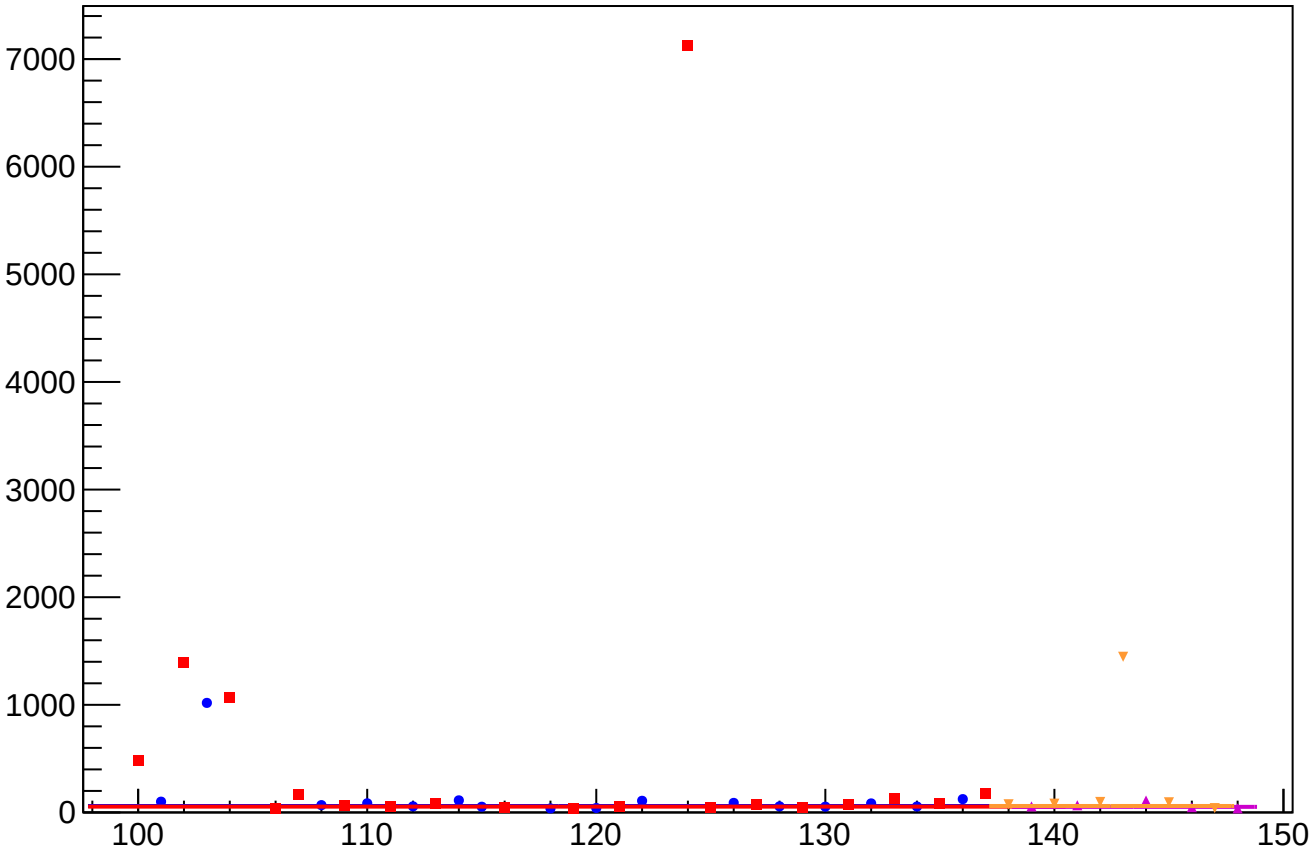
Left: -0.037+/-0.022 χ^2/NDF: 16.1/10

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.018+/-0.014 χ^2/NDF: 46.5/45



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309816.3/5

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

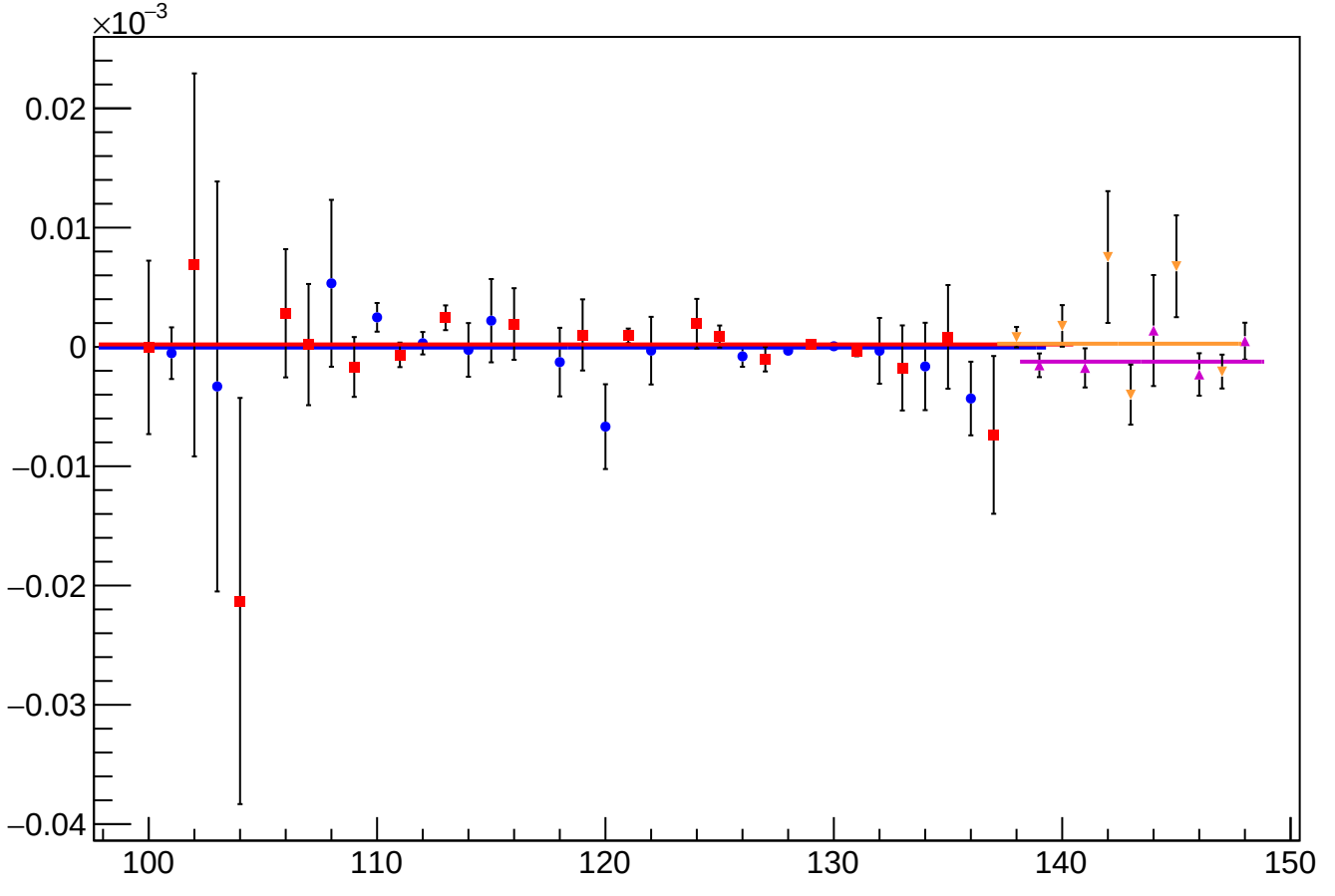
Left: 55.149+/-0.016 χ^2/NDF: 3128746.4/10

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 56.142+/-0.014 χ^2/NDF:3374991.0/20

Out: 56.279+/-0.015 χ^2/NDF:5867211.1/24

All: 56.205+/-0.010 χ^2/NDF: 9242248.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

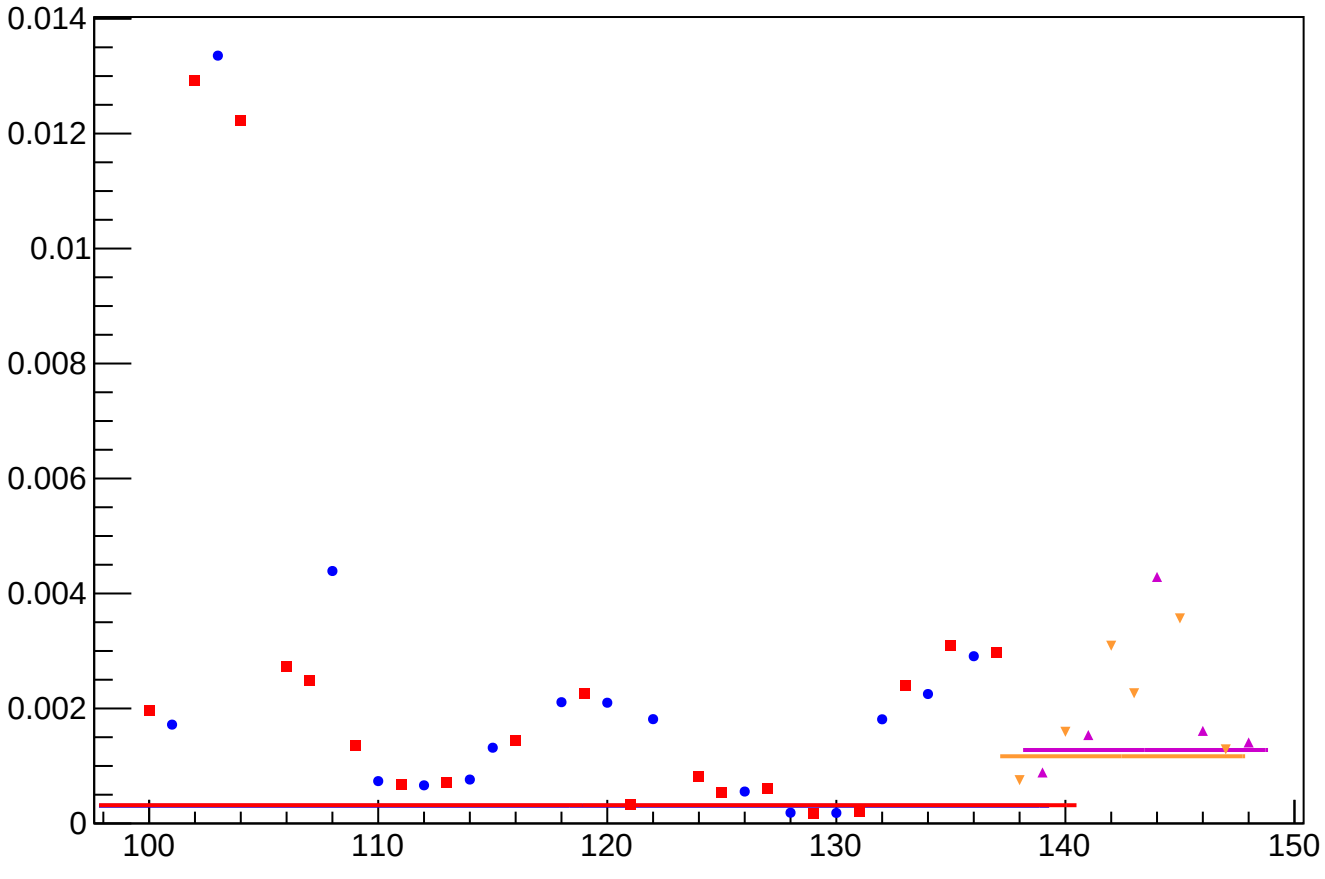
Left: -0.000+/-0.000 χ^2/NDF: 15.5/10

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:17.7/20

Out: 0.000+/-0.000 χ^2/NDF:26.4/24

All: 0.000+/-0.000 χ^2/NDF: 46.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1858036.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1281975.9/4

Left: 0.001+/-0.000 χ^2/NDF: 3167350.8/10

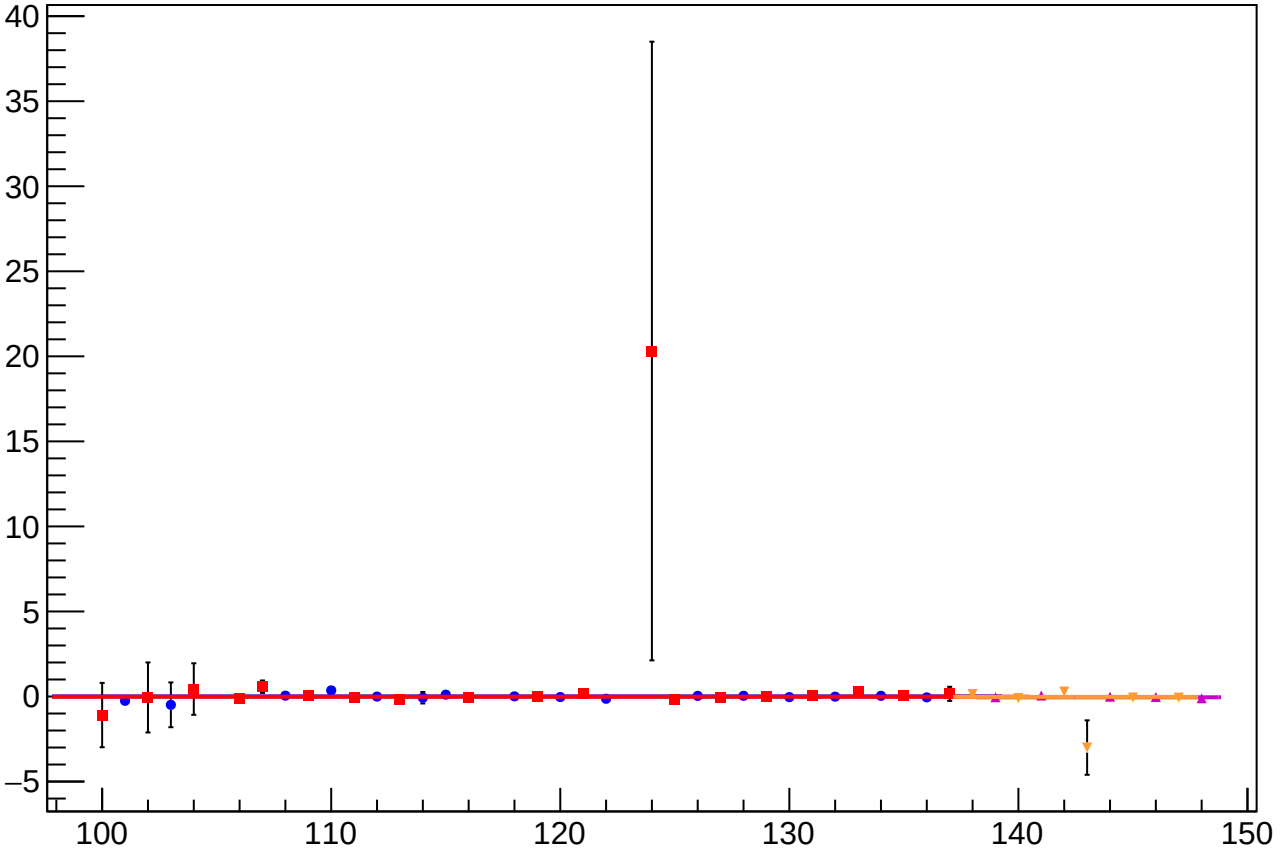
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:13806101.8/20

Out: 0.000+/-0.000 χ^2/NDF:13111241.7/24

All: 0.000+/-0.000 χ^2/NDF: 26918686.0/45

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: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

Left: -0.037+/-0.022 χ^2/NDF: 16.1/10

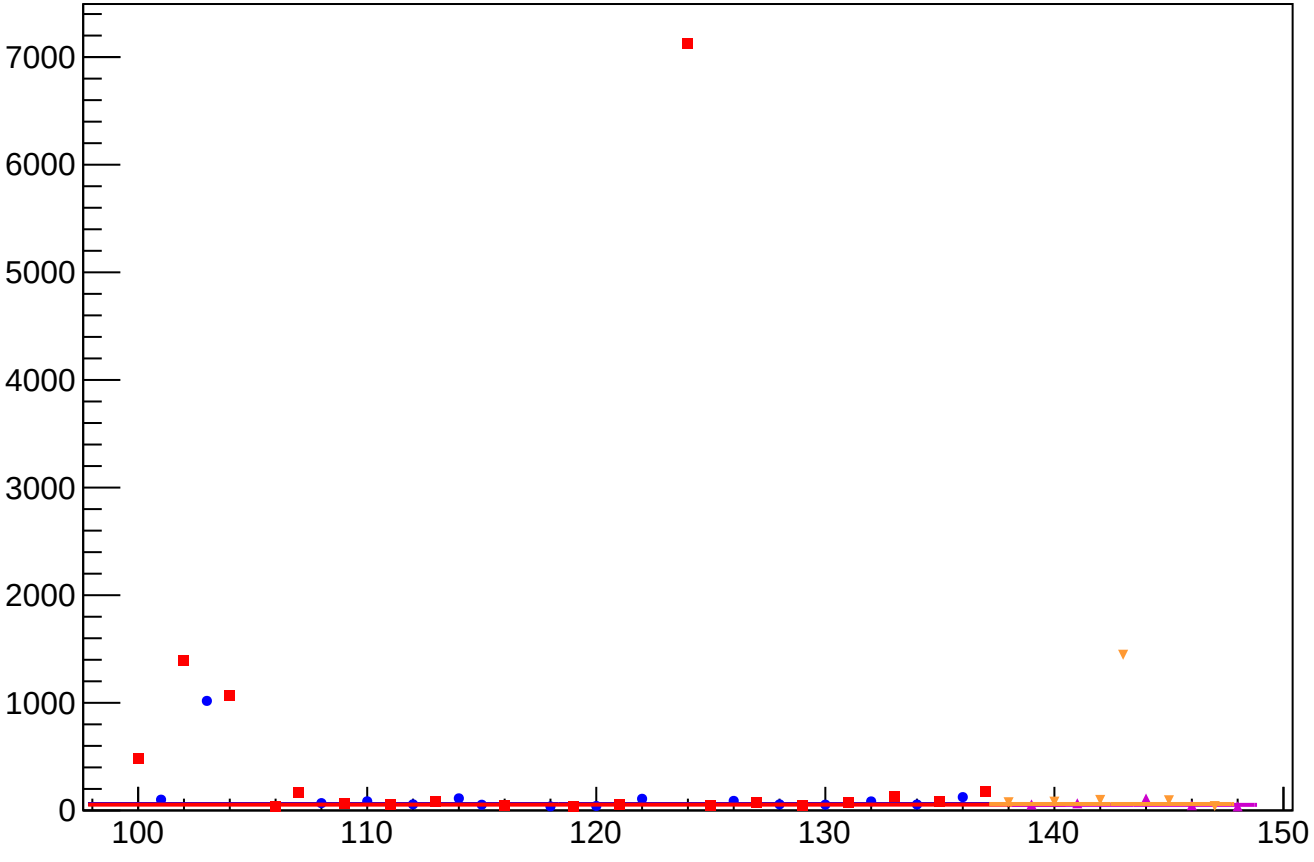
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.018+/-0.014 χ^2/NDF: 46.5/45

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309803.9/5

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

Left: 55.149+/-0.016 χ^2/NDF: 3128744.6/10

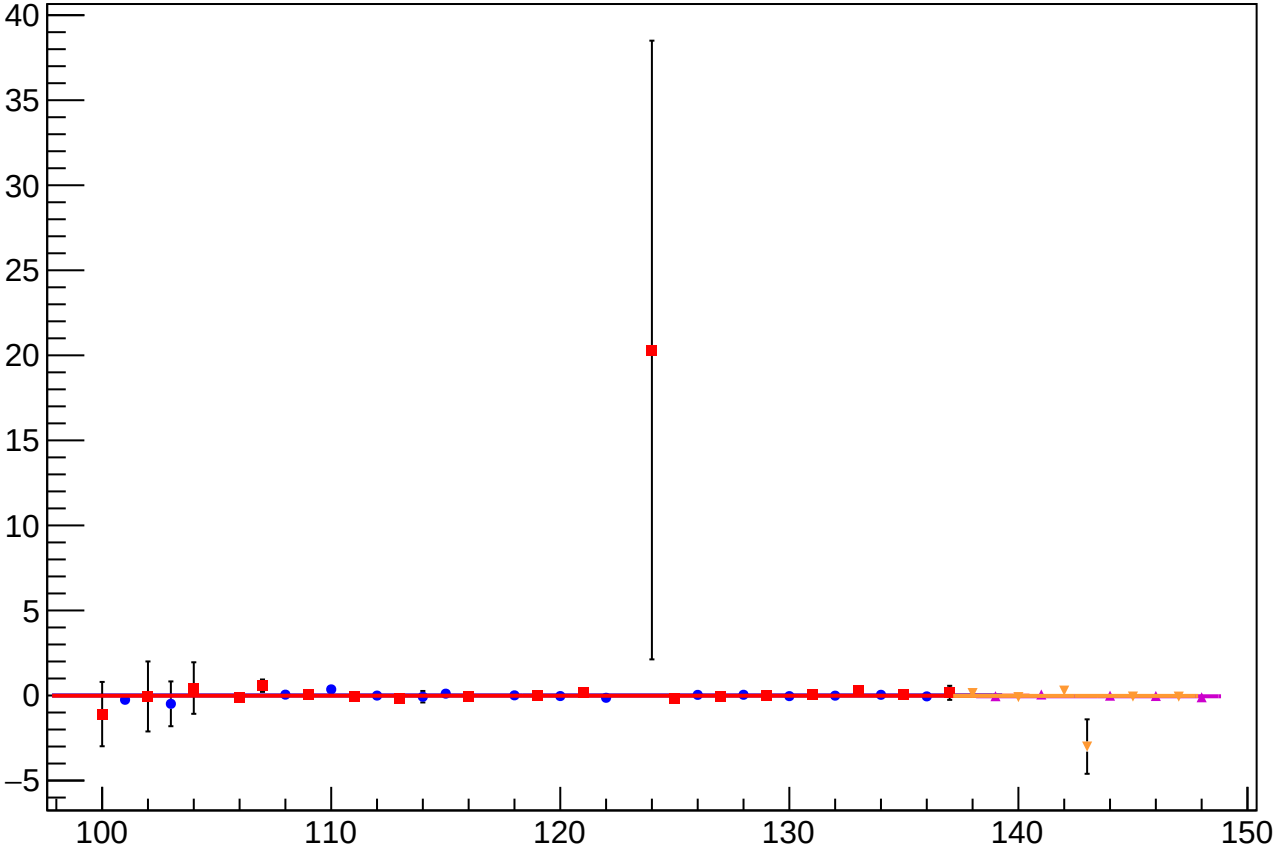
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 56.142+/-0.014 χ^2/NDF:3375010.2/20

Out: 56.278+/-0.015 χ^2/NDF:5867273.2/24

All: 56.205+/-0.010 χ^2/NDF: 9242329.0/45

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: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

Left: -0.037+/-0.022 χ^2/NDF: 16.1/10

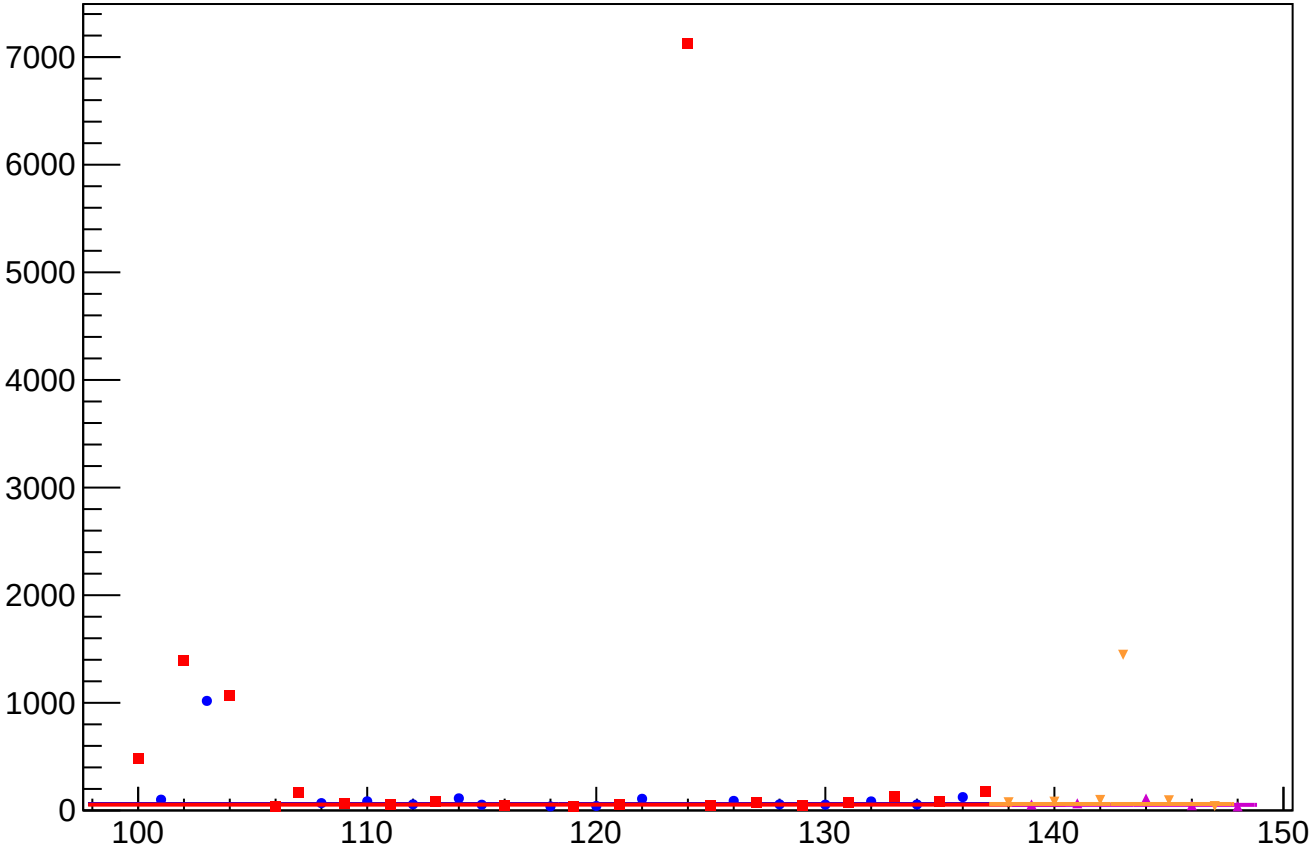
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.018+/-0.014 χ^2/NDF: 46.5/45

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: 60.125+/-0.025 χ^2/NDF:2309803.9/5

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

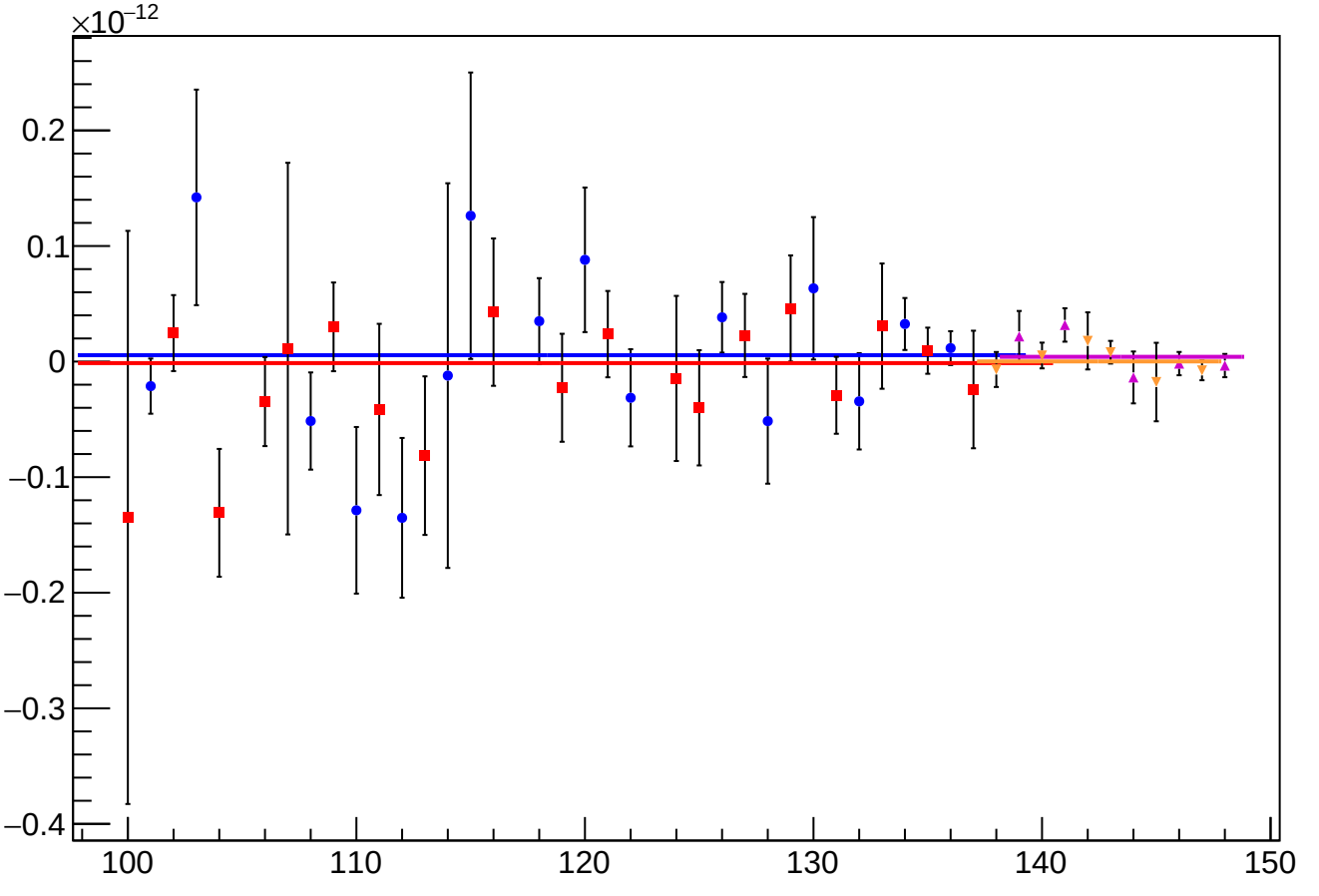
Left: 55.149+/-0.016 χ^2/NDF: 3128744.6/10

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 56.142+/-0.014 χ^2/NDF:3375010.2/20

Out: 56.278+/-0.015 χ^2/NDF:5867273.2/24

All: 56.205+/-0.010 χ^2/NDF: 9242329.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/4

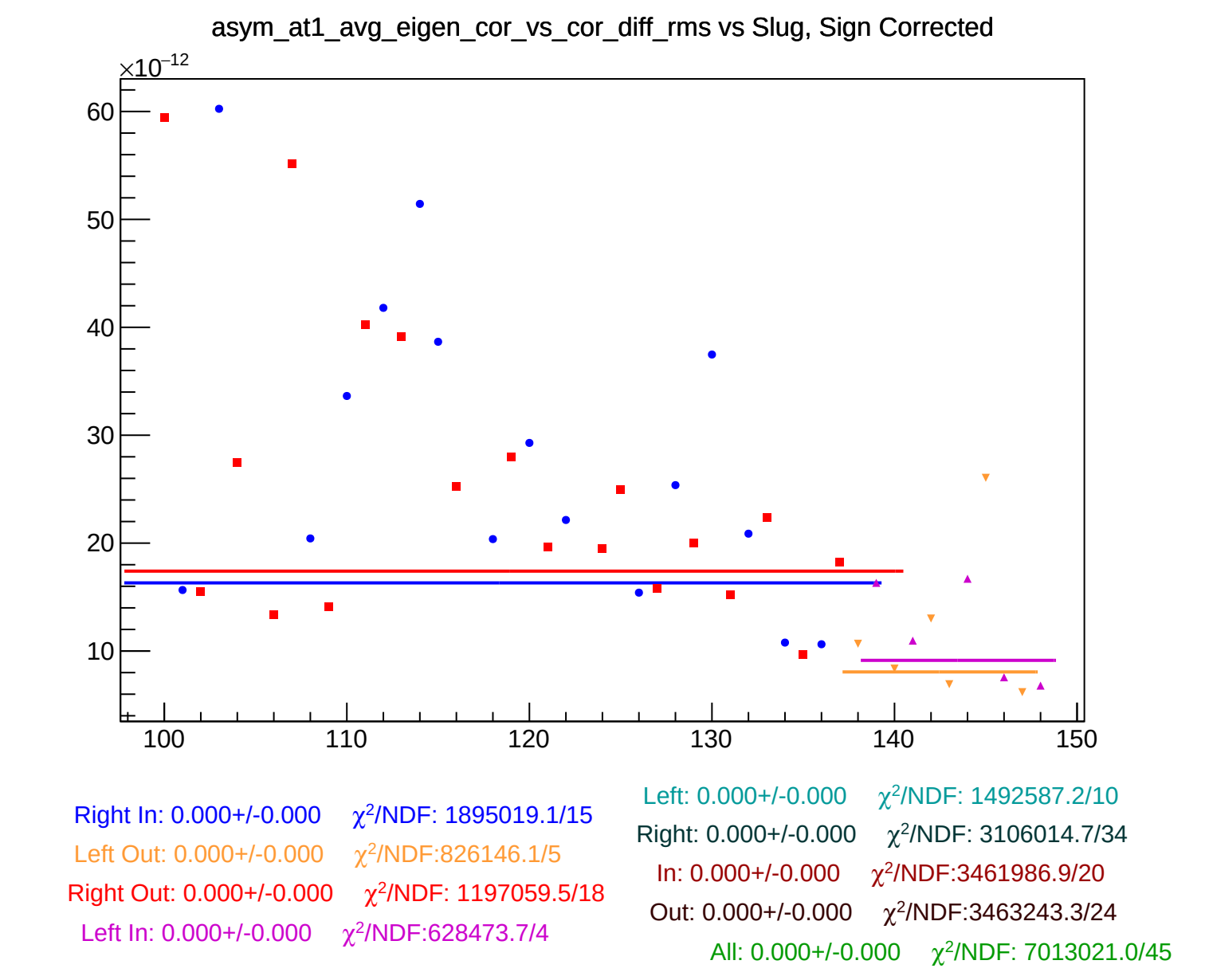
Left: 0.000+/-0.000 χ^2/NDF: 8.8/10

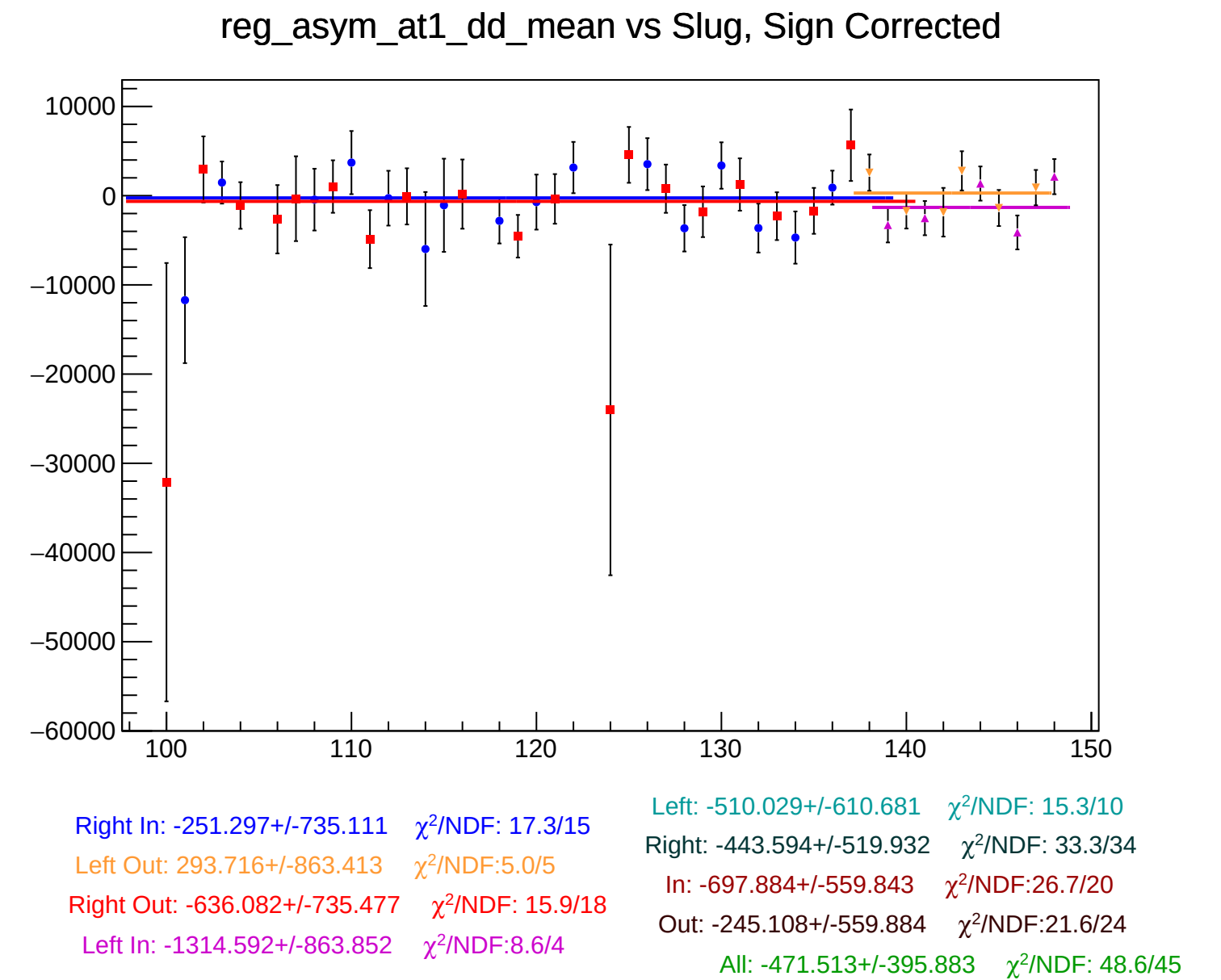
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:28.4/20

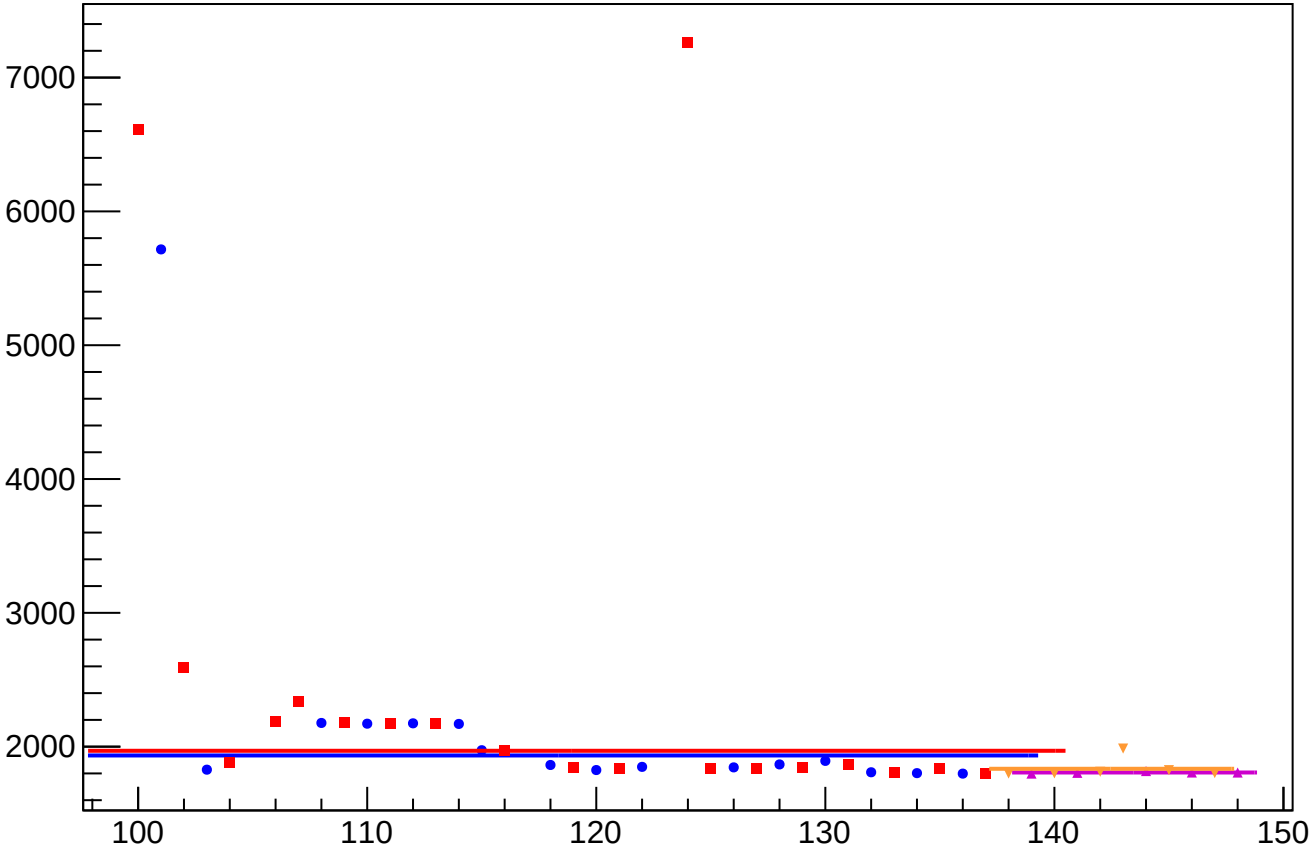
Out: -0.000+/-0.000 χ^2/NDF:17.0/24

All: 0.000+/-0.000 χ^2/NDF: 46.0/45


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:826146.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:628473.7/4
Left: 0.000+/-0.000 χ²/NDF: 1492587.2/10
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:3461986.9/20
Out: 0.000+/-0.000 χ²/NDF:3463243.3/24
All: 0.000+/-0.000 χ²/NDF: 7013021.0/45


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: 293.716+/-863.413 χ²/NDF:5.0/5
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -1314.592+/-863.852 χ²/NDF:8.6/4
Left: -510.029+/-610.681 χ²/NDF: 15.3/10
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -697.884+/-559.843 χ²/NDF:26.7/20
Out: -245.108+/-559.884 χ²/NDF:21.6/24
All: -471.513+/-395.883 χ²/NDF: 48.6/45

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

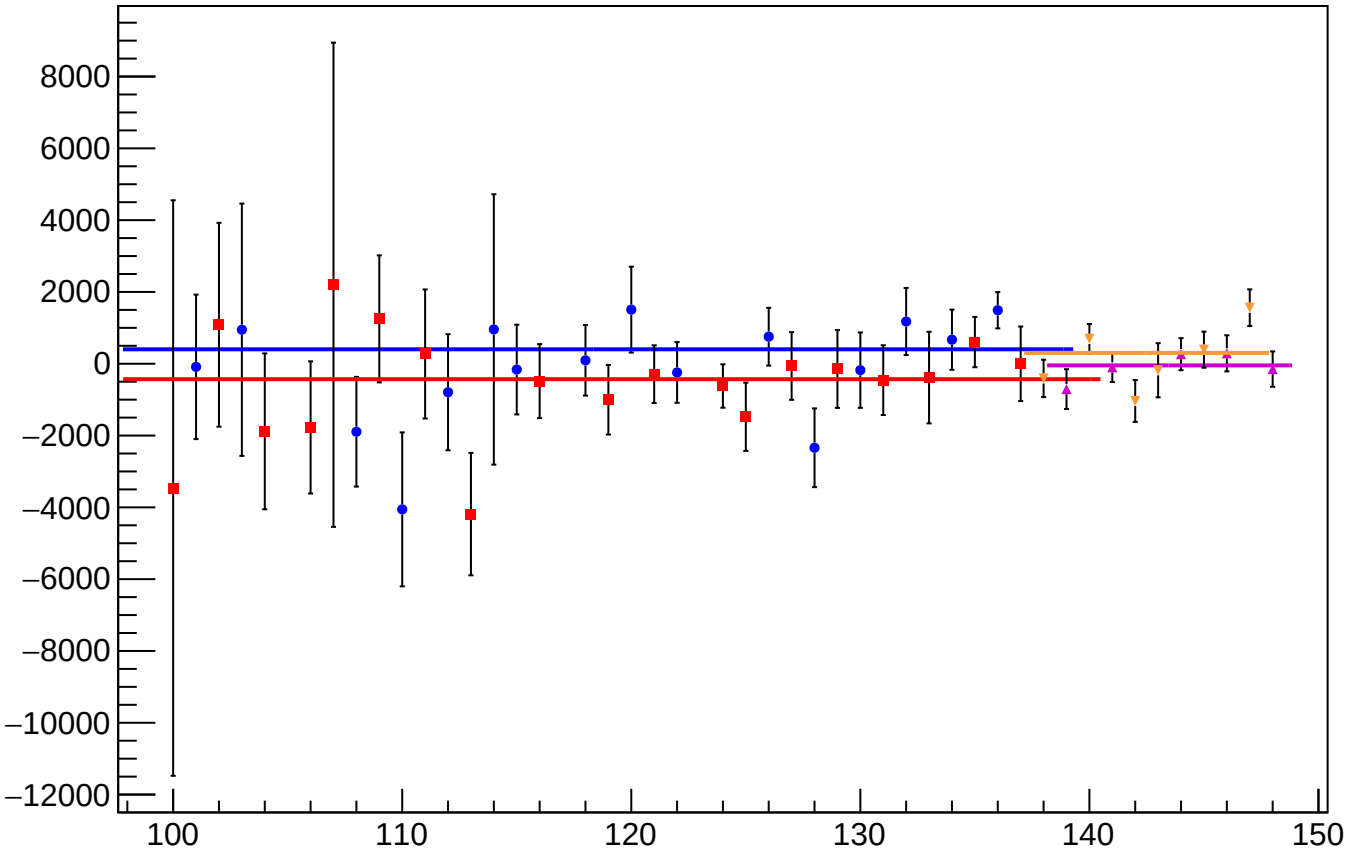
Left: 1820.859+/-0.432 χ^2/NDF: 12529.7/10

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1880.773+/-0.396 χ^2/NDF:665190.8/20

Out: 1912.659+/-0.396 χ^2/NDF:417886.6/24

All: 1896.715+/-0.280 χ^2/NDF: 1086321.1/45



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 303.120+/-213.391 χ^2/NDF:14.5/5

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -45.409+/-211.800 χ^2/NDF:2.4/4

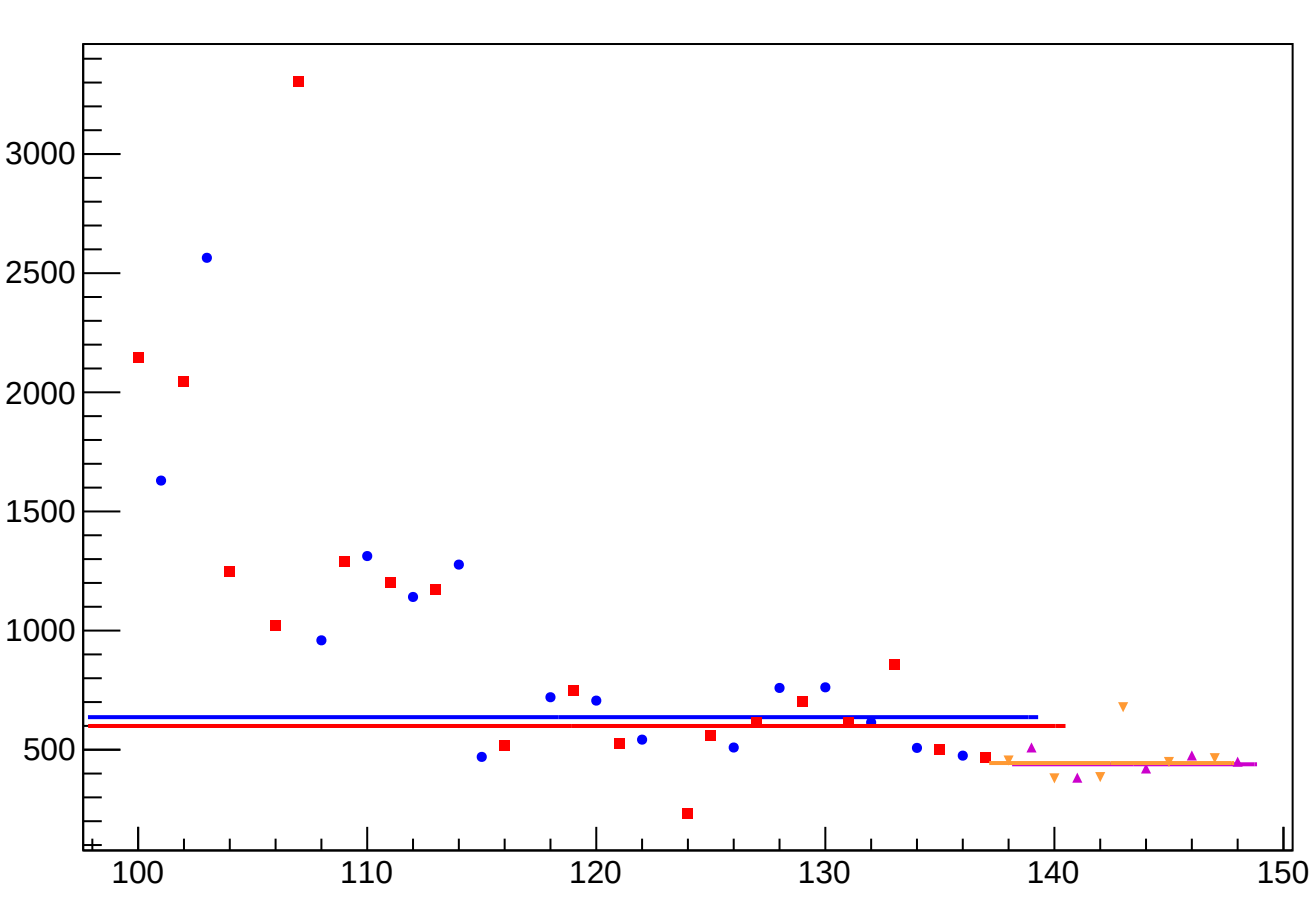
Left: 127.551+/-150.325 χ^2/NDF: 18.3/10

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 134.492+/-163.850 χ^2/NDF:25.3/20

Out: -1.902+/-163.070 χ^2/NDF:31.2/24

All: 65.970+/-115.583 χ^2/NDF: 56.9/45



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 444.124+/-0.151 χ^2/NDF:265522.5/5

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 438.906+/-0.150 χ^2/NDF:84925.9/4

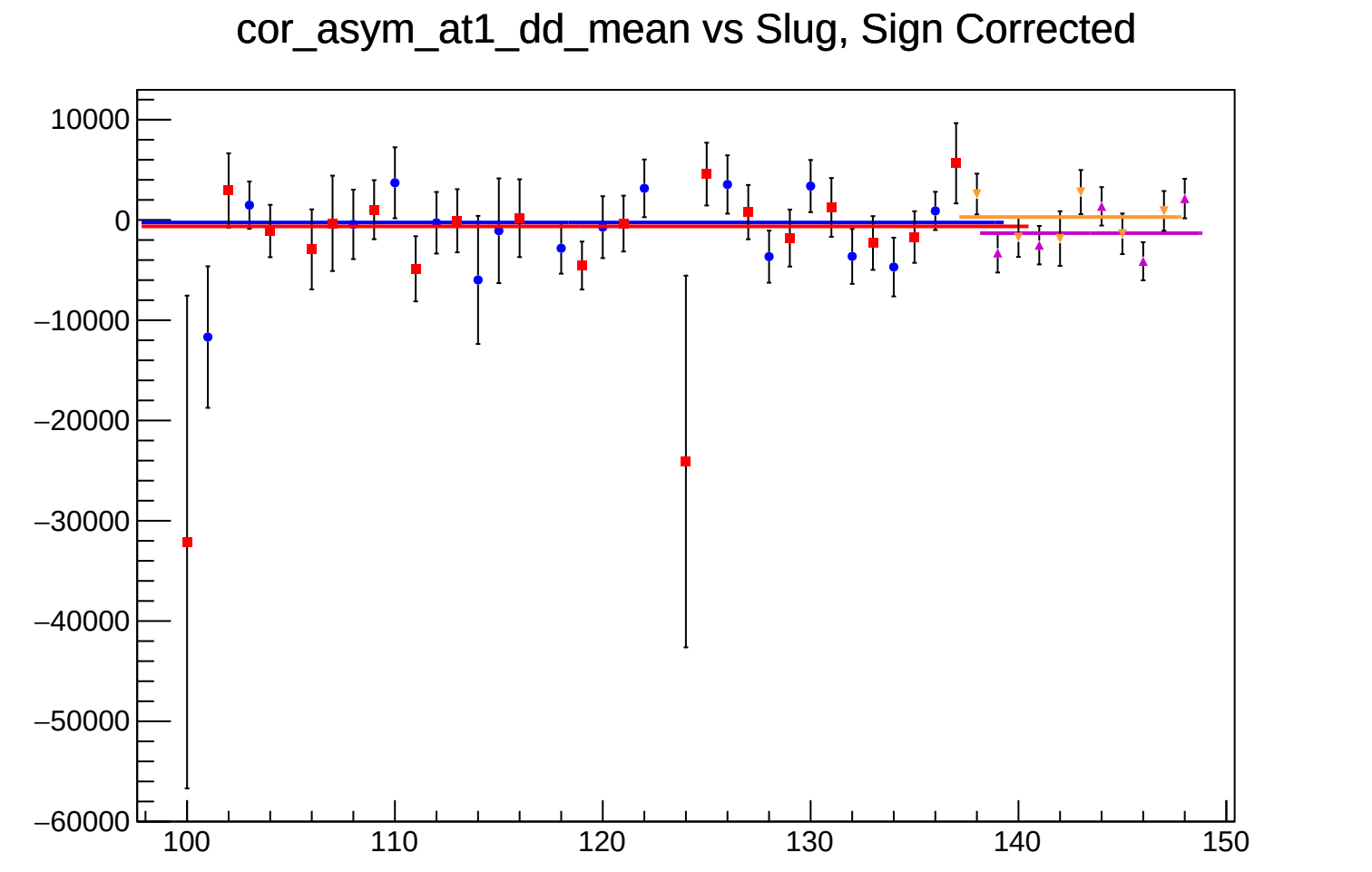
Left: 441.496+/-0.106 χ^2/NDF: 351050.8/10

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 518.327+/-0.116 χ^2/NDF:2852185.3/20

Out: 508.818+/-0.115 χ^2/NDF:3651490.5/24

All: 513.550+/-0.082 χ^2/NDF: 6507059.4/45



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 293.597+/-863.413 χ^2/NDF:5.0/5

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -1314.531+/-863.852 χ^2/NDF:8.6/4

Left: -510.058+/-610.681 χ^2/NDF: 15.3/10

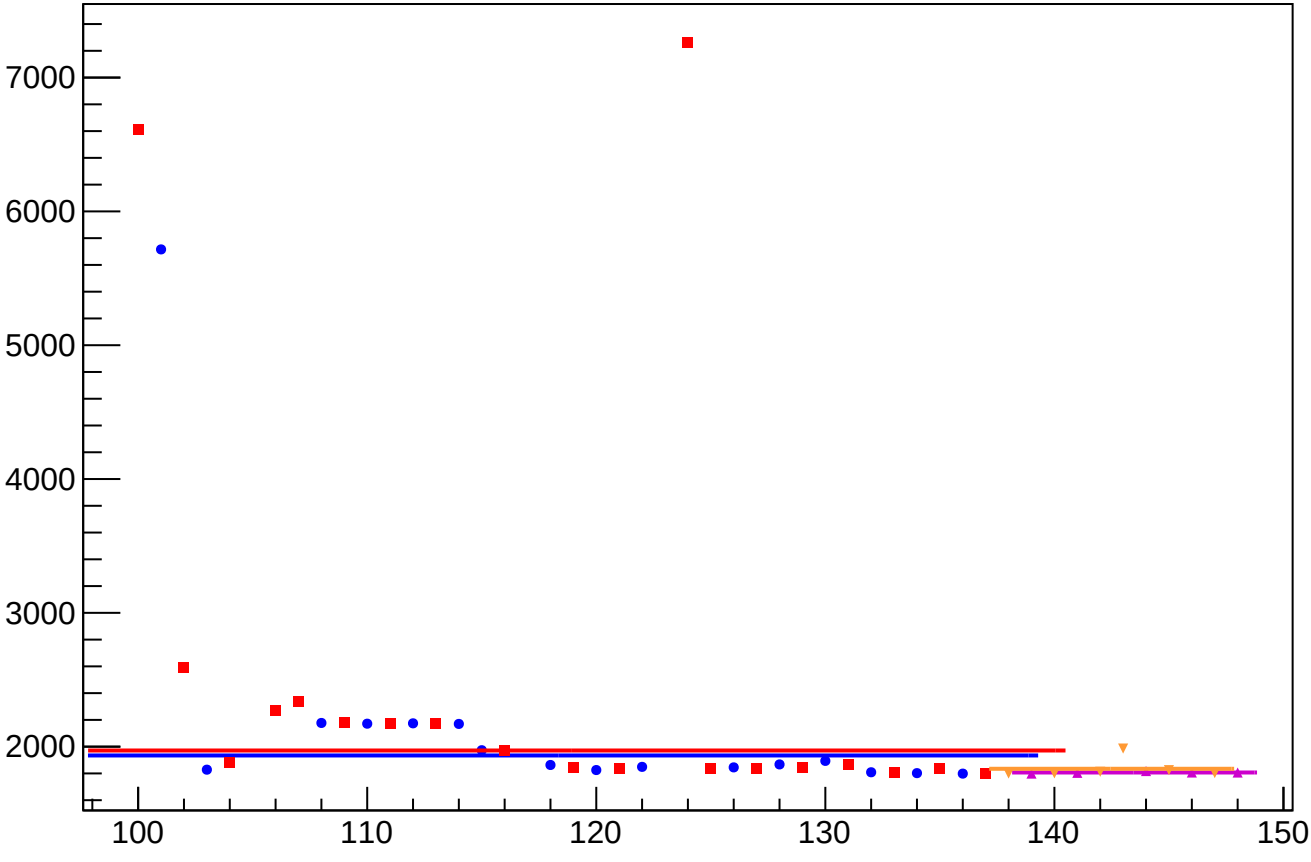
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.389+/-559.843 χ^2/NDF:26.7/20

Out: -247.267+/-560.357 χ^2/NDF:21.6/24

All: -472.534+/-396.050 χ^2/NDF: 48.7/45

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

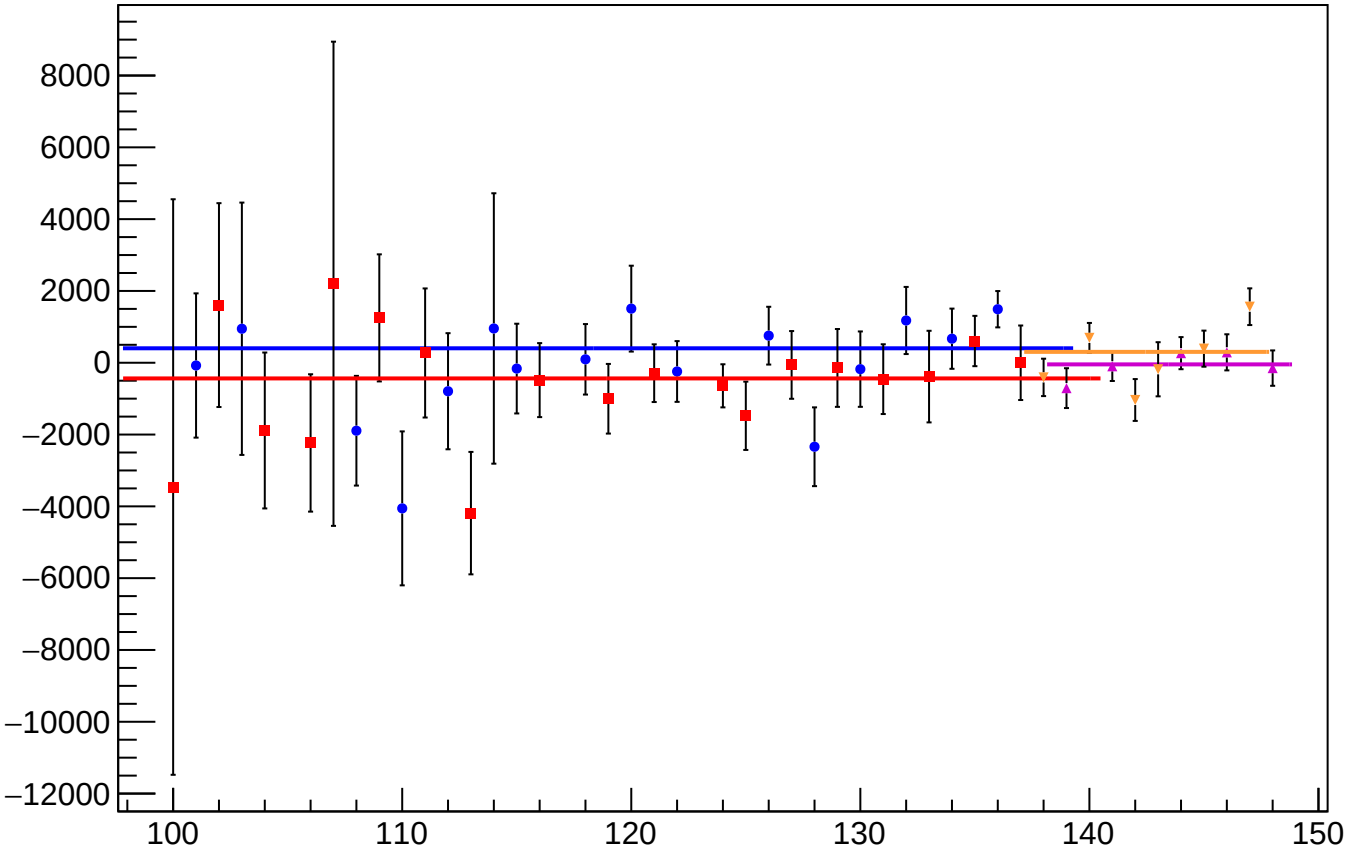
Left: 1820.859+/-0.432 χ^2/NDF: 12529.7/10

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1880.773+/-0.396 χ^2/NDF:665190.7/20

Out: 1913.810+/-0.396 χ^2/NDF:423556.1/24

All: 1897.277+/-0.280 χ^2/NDF: 1092225.9/45



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 303.014+/-213.395 χ^2/NDF:14.5/5

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -45.475+/-211.795 χ^2/NDF:2.4/4

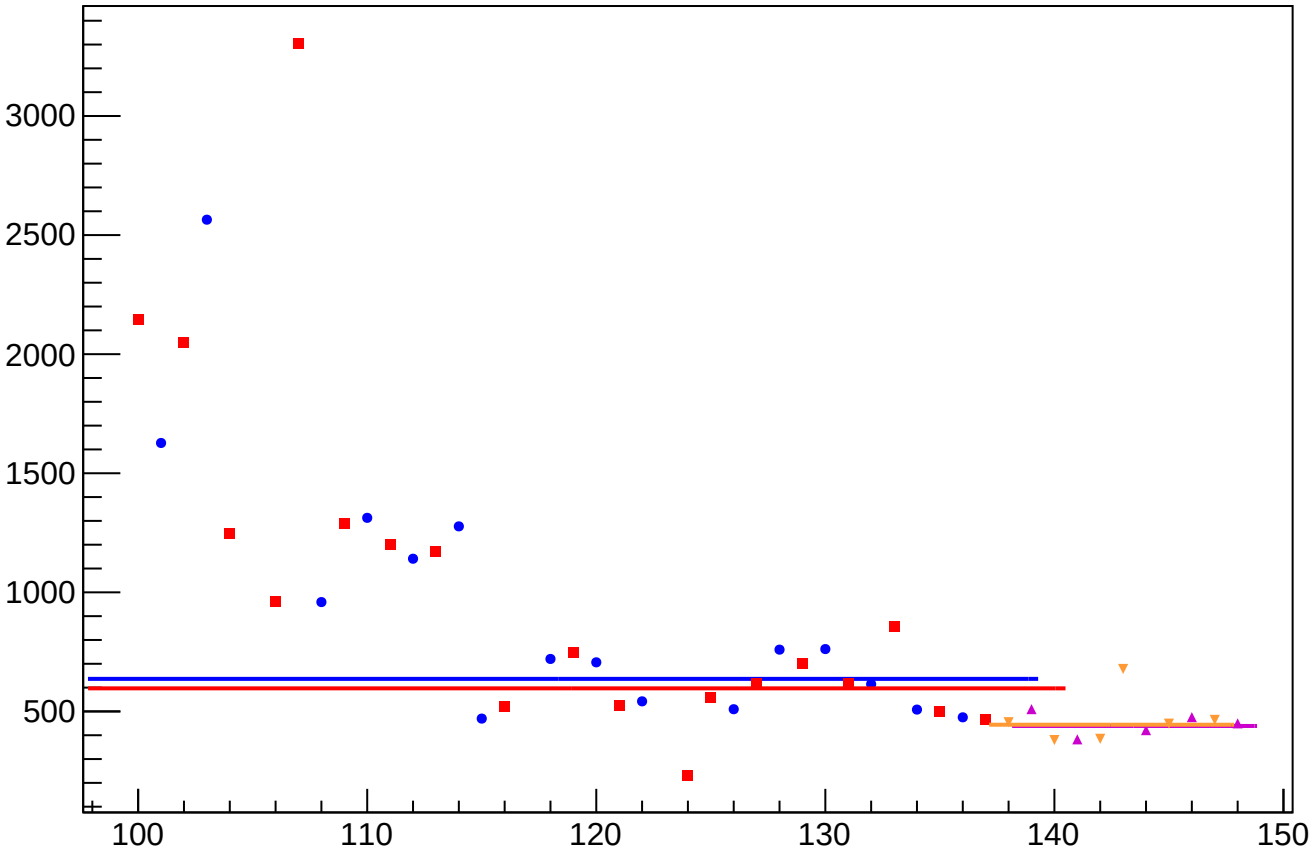
Left: 127.458+/-150.324 χ^2/NDF: 18.3/10

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 134.487+/-163.845 χ^2/NDF:25.3/20

Out: -4.940+/-163.031 χ^2/NDF:31.9/24

All: 64.426+/-115.567 χ^2/NDF: 57.6/45



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 444.132+/-0.151 χ^2/NDF:265481.2/5

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

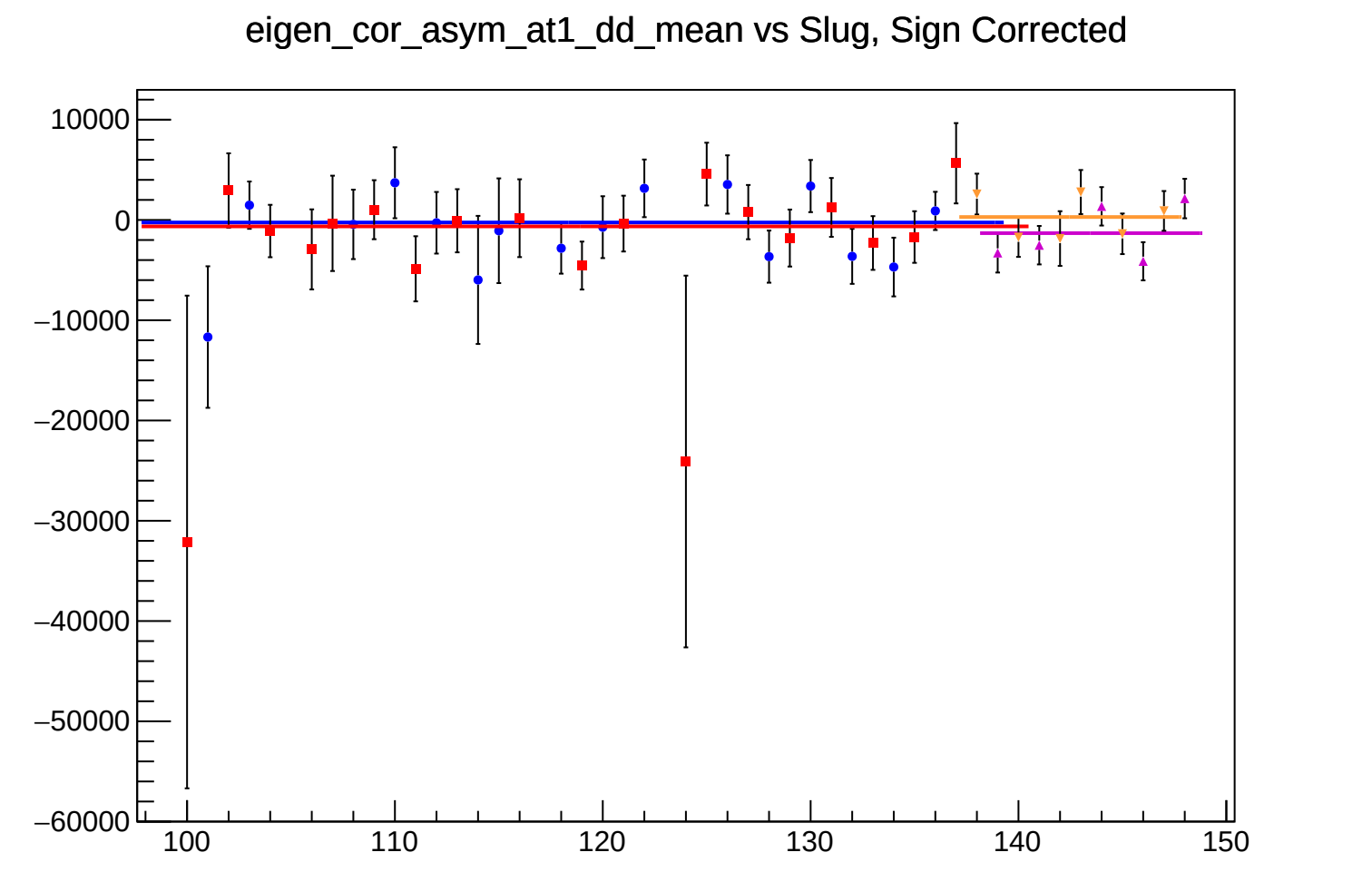
Left: 441.495+/-0.106 χ^2/NDF: 351012.1/10

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 518.322+/-0.116 χ^2/NDF:2851411.7/20

Out: 507.716+/-0.115 χ^2/NDF:3622443.2/24

All: 512.993+/-0.082 χ^2/NDF: 6478066.0/45



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 293.597+/-863.413 χ^2/NDF:5.0/5

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -1314.531+/-863.852 χ^2/NDF:8.6/4

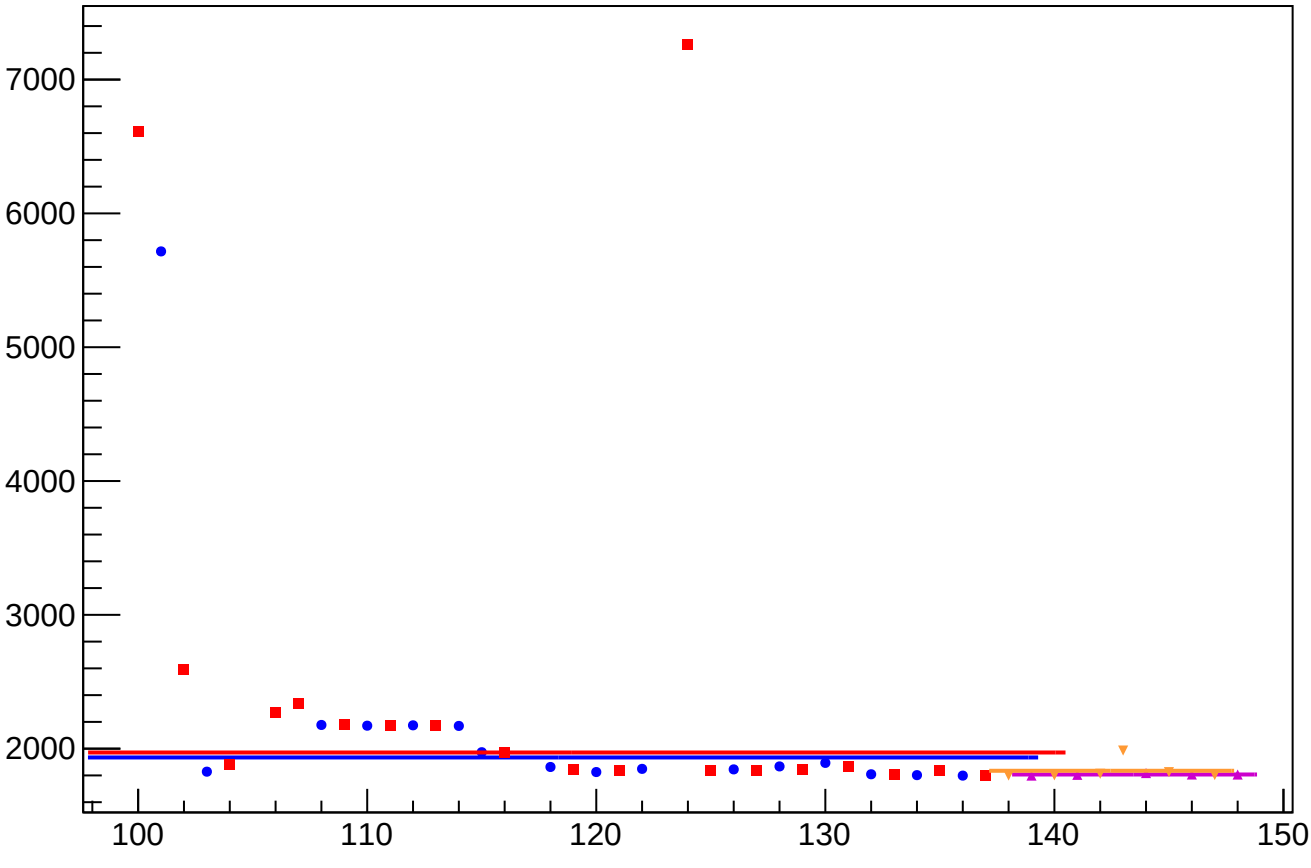
Left: -510.058+/-610.681 χ^2/NDF: 15.3/10

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.389+/-559.843 χ^2/NDF:26.7/20

Out: -247.267+/-560.357 χ^2/NDF:21.6/24

All: -472.534+/-396.050 χ^2/NDF: 48.7/45



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

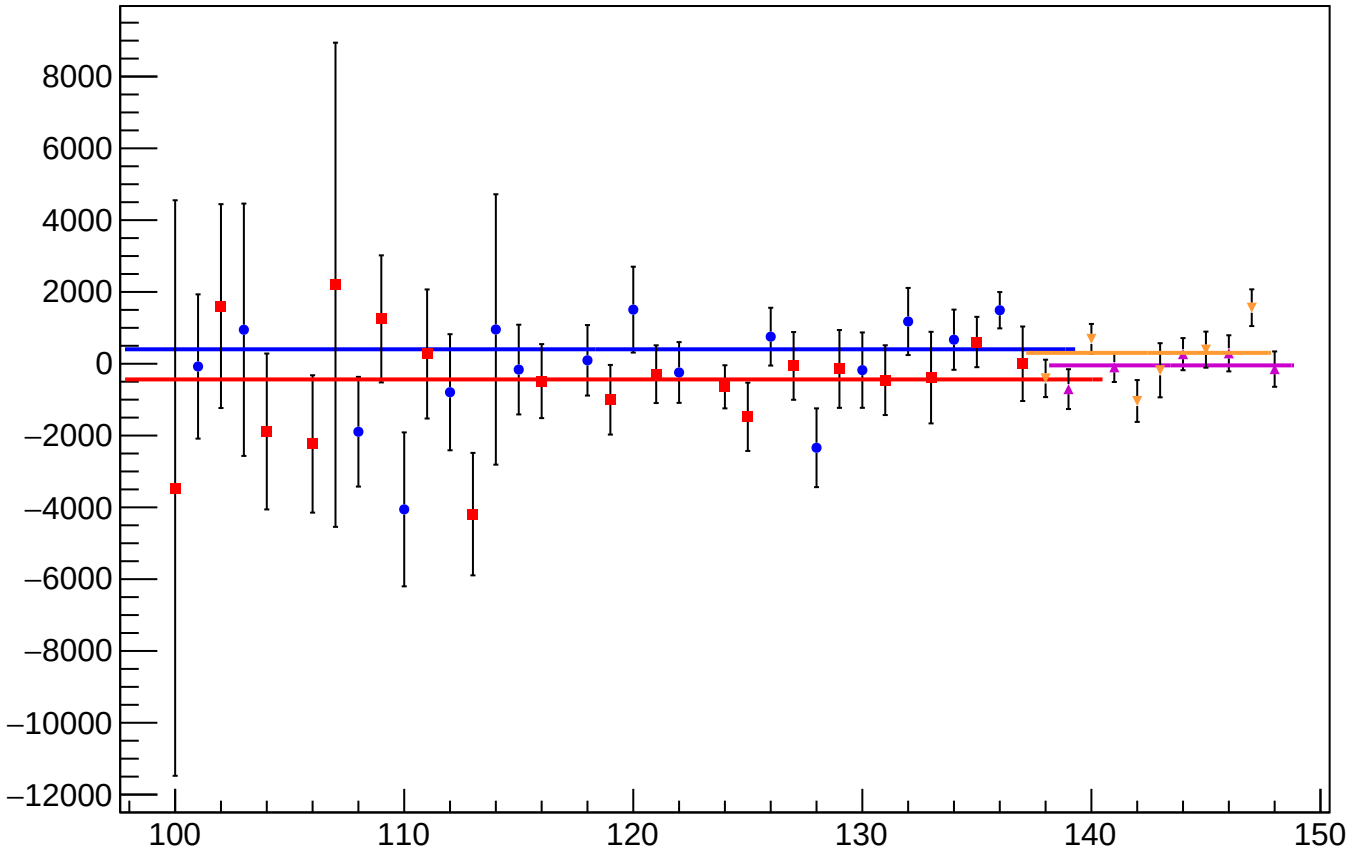
Left: 1820.859+/-0.432 χ^2/NDF: 12529.7/10

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1880.773+/-0.396 χ^2/NDF:665190.7/20

Out: 1913.810+/-0.396 χ^2/NDF:423556.1/24

All: 1897.277+/-0.280 χ^2/NDF: 1092225.9/45



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 303.014+/-213.395 χ^2/NDF:14.5/5

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -45.475+/-211.795 χ^2/NDF:2.4/4

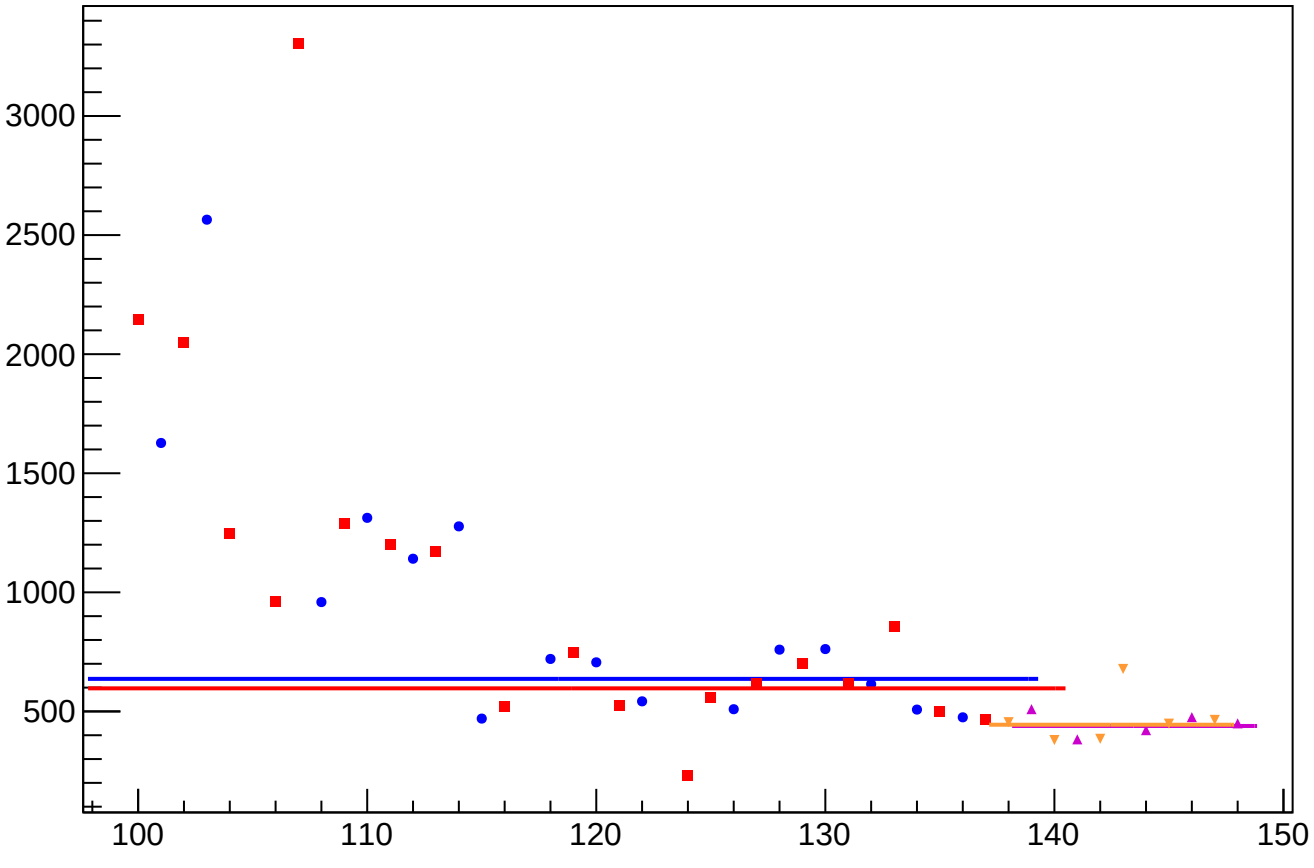
Left: 127.458+/-150.324 χ^2/NDF: 18.3/10

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 134.487+/-163.845 χ^2/NDF:25.3/20

Out: -4.940+/-163.031 χ^2/NDF:31.9/24

All: 64.426+/-115.567 χ^2/NDF: 57.6/45



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 444.132+/-0.151 χ^2/NDF:265481.2/5

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

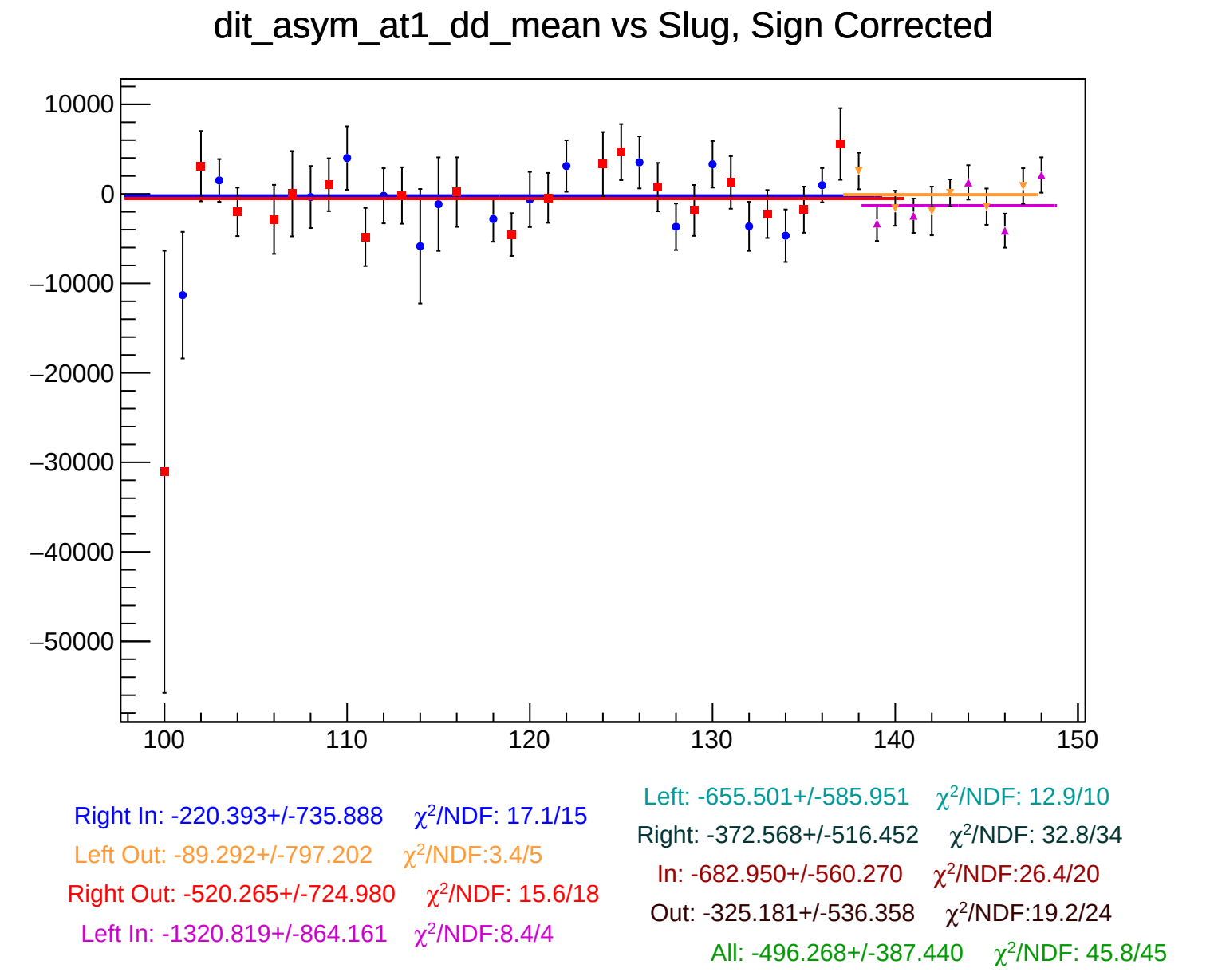
Left: 441.495+/-0.106 χ^2/NDF: 351012.1/10

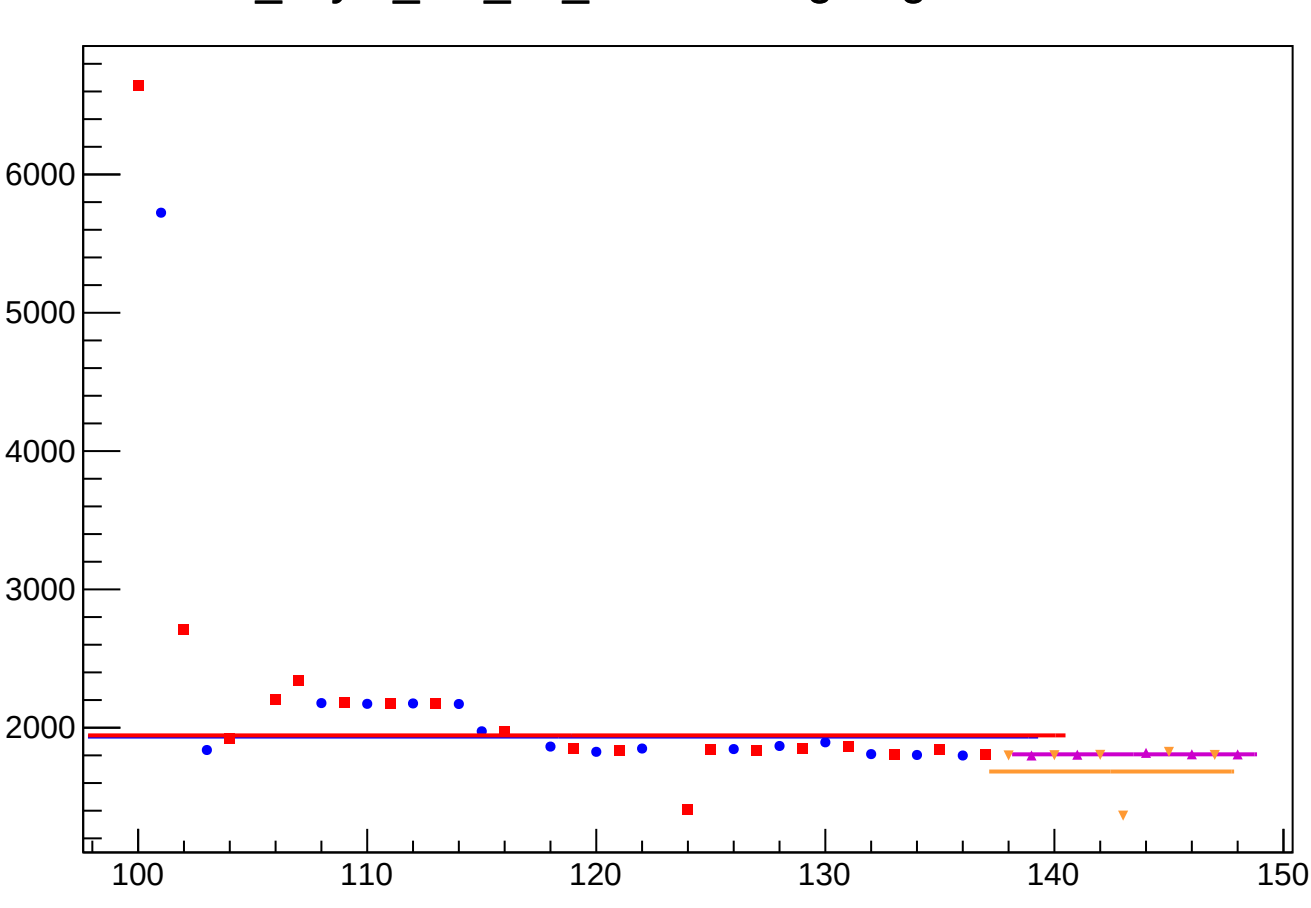
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 518.322+/-0.116 χ^2/NDF:2851411.7/20

Out: 507.716+/-0.115 χ^2/NDF:3622443.2/24

All: 512.993+/-0.082 χ^2/NDF: 6478066.0/45


dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -89.292+/-797.202 χ²/NDF:3.4/5
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -1320.819+/-864.161 χ²/NDF:8.4/4
Left: -655.501+/-585.951 χ²/NDF: 12.9/10
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -682.950+/-560.270 χ²/NDF:26.4/20
Out: -325.181+/-536.358 χ²/NDF:19.2/24
All: -496.268+/-387.440 χ²/NDF: 45.8/45



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1683.332+/-0.564 χ^2/NDF:124062.5/5

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

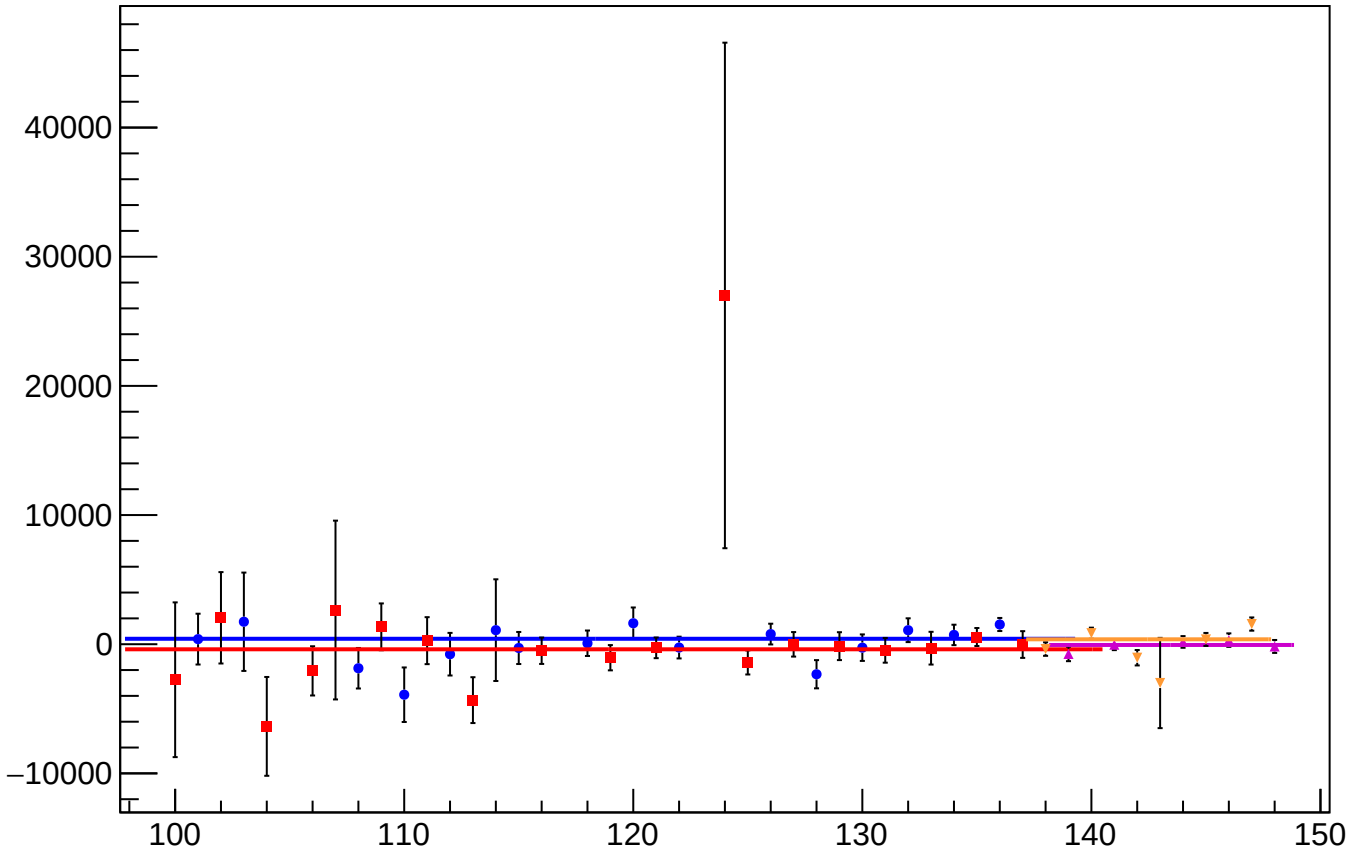
Left: 1740.474+/-0.414 χ^2/NDF: 146514.8/10

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1882.021+/-0.396 χ^2/NDF:665487.2/20

Out: 1826.277+/-0.379 χ^2/NDF:517768.9/24

All: 1852.934+/-0.274 χ^2/NDF: 1193586.7/45



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 379.452+/-225.134 χ^2/NDF:15.2/5

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -58.616+/-216.562 χ^2/NDF:2.4/4

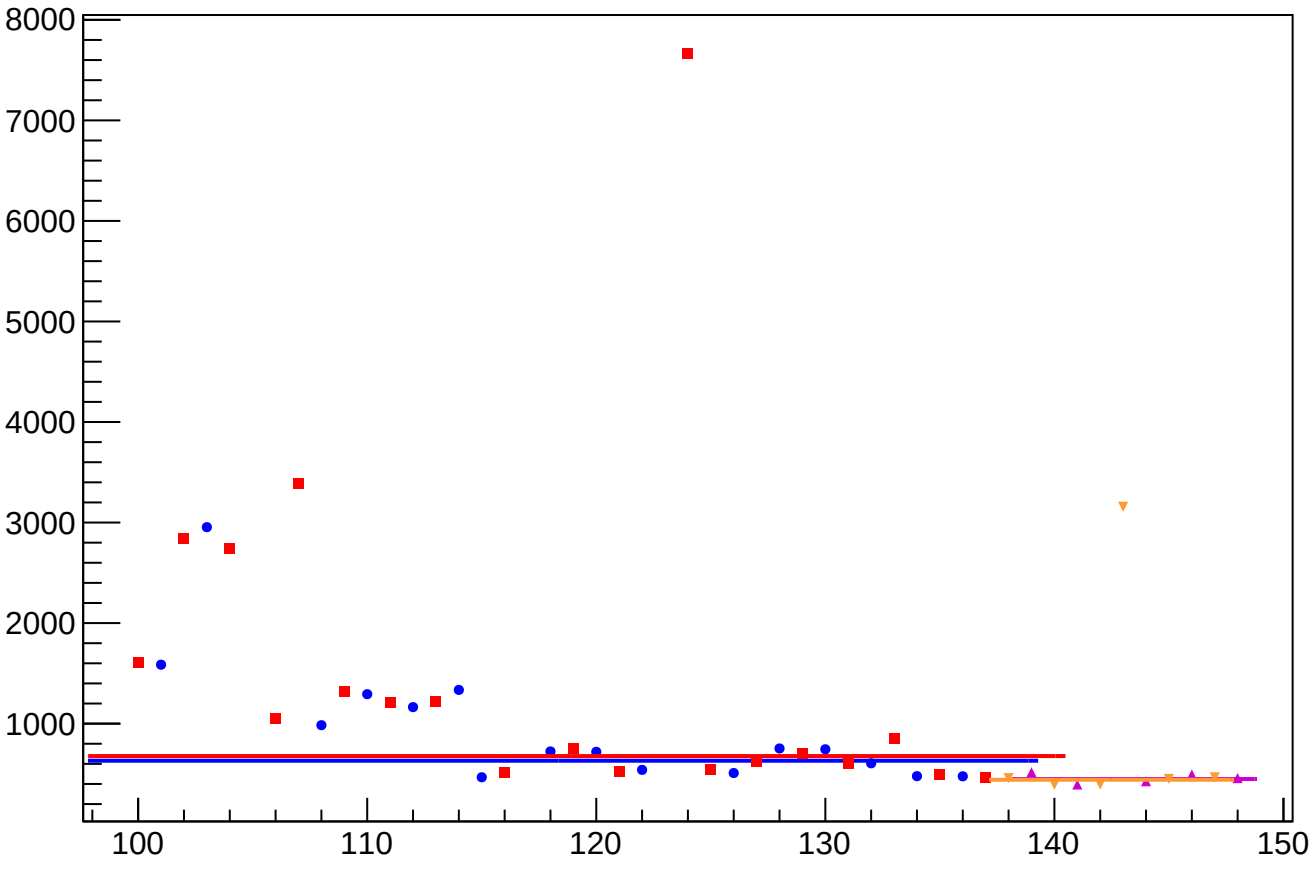
Left: 151.920+/-156.075 χ^2/NDF: 19.6/10

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 140.821+/-165.539 χ^2/NDF:25.9/20

Out: 75.341+/-175.345 χ^2/NDF:35.7/24

All: 109.963+/-120.371 χ^2/NDF: 61.7/45



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 441.797+/-0.159 χ^2/NDF:1254305.5/5

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 449.362+/-0.153 χ^2/NDF:82527.4/4

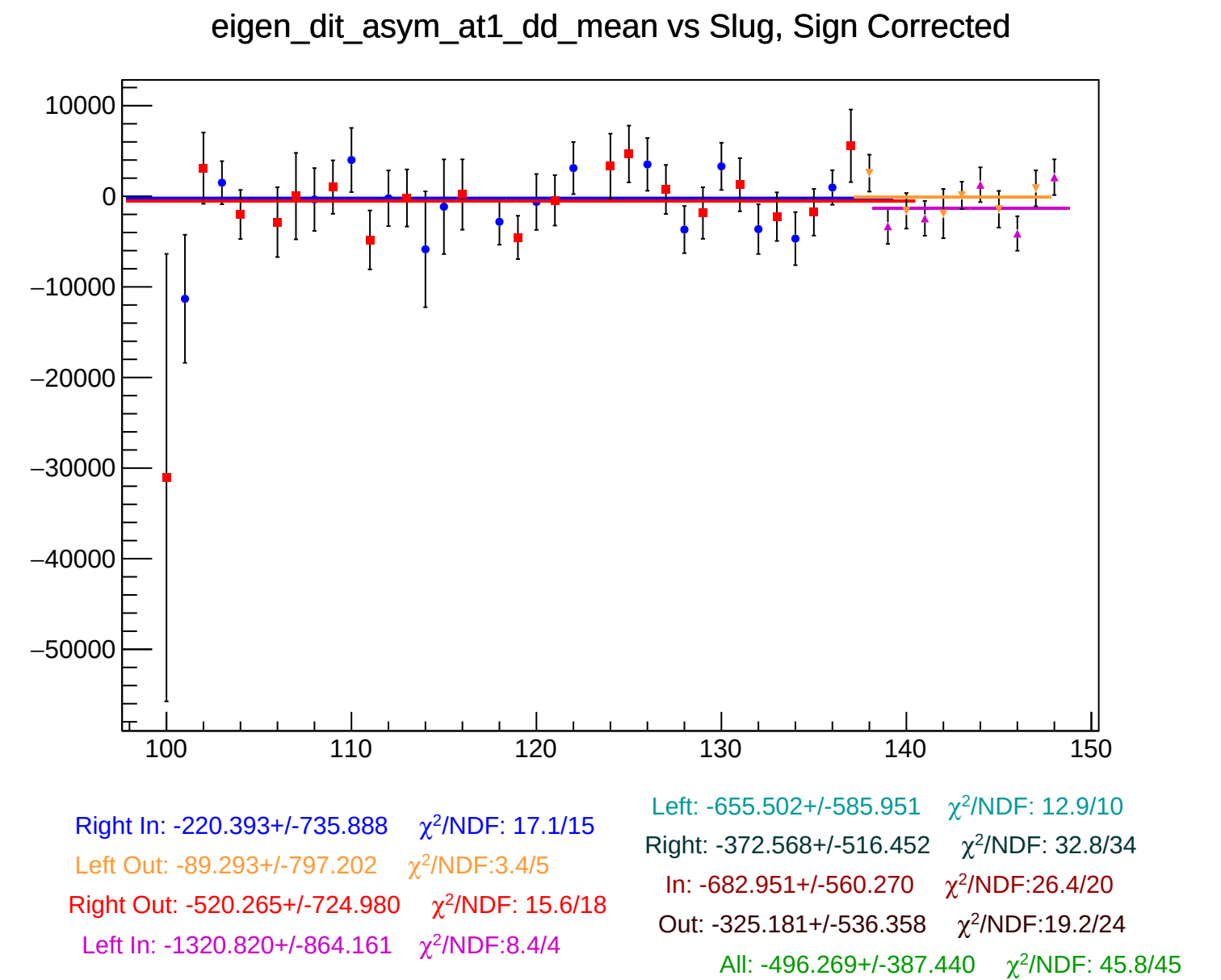
Left: 445.727+/-0.110 χ^2/NDF: 1338005.8/10

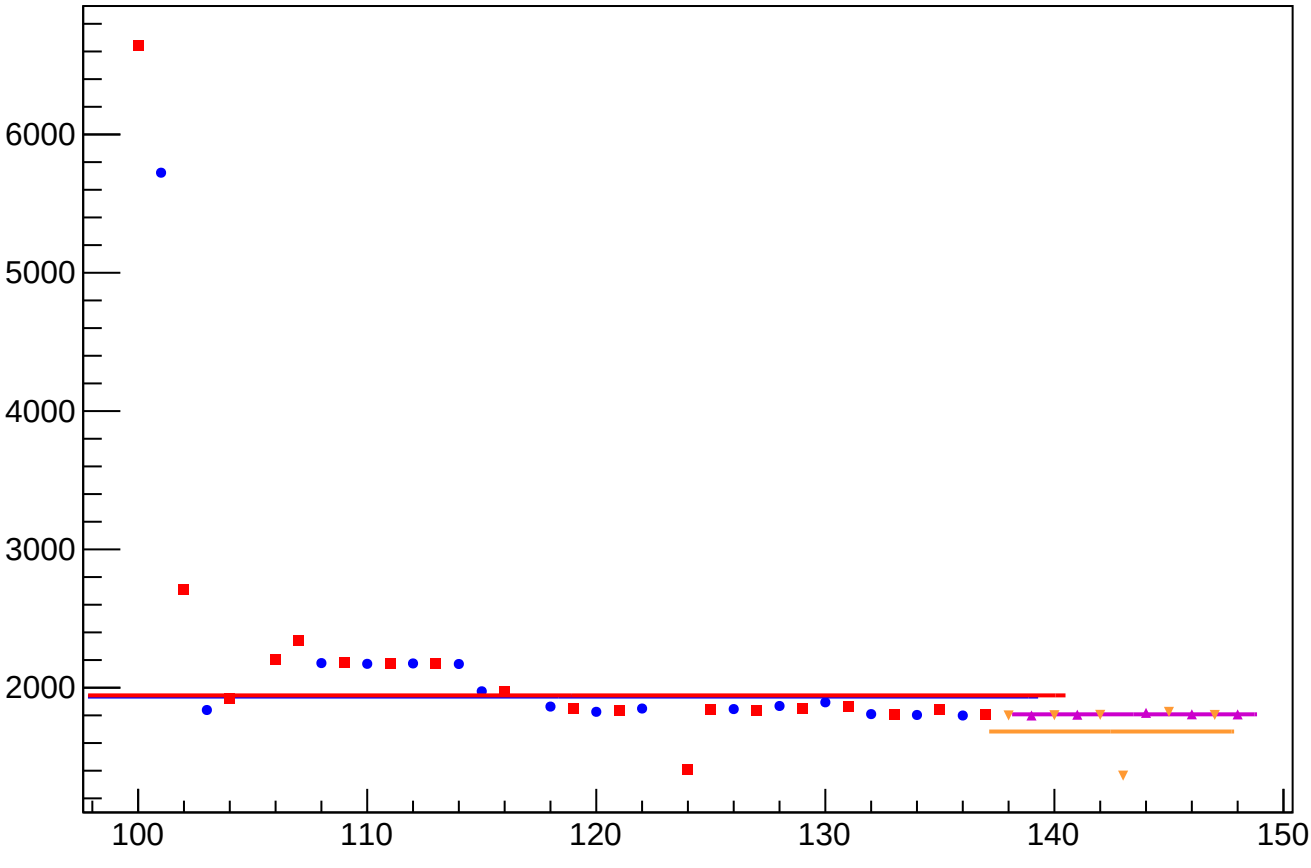
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 524.927+/-0.117 χ^2/NDF:2902775.7/20

Out: 534.497+/-0.124 χ^2/NDF:5197817.9/24

All: 529.437+/-0.085 χ^2/NDF: 8103743.4/45


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -89.293+/-797.202 χ²/NDF:3.4/5
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -1320.820+/-864.161 χ²/NDF:8.4/4
Left: -655.502+/-585.951 χ²/NDF: 12.9/10
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -682.951+/-560.270 χ²/NDF:26.4/20
Out: -325.181+/-536.358 χ²/NDF:19.2/24
All: -496.269+/-387.440 χ²/NDF: 45.8/45



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1683.332+/-0.564 χ^2/NDF:124062.5/5

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

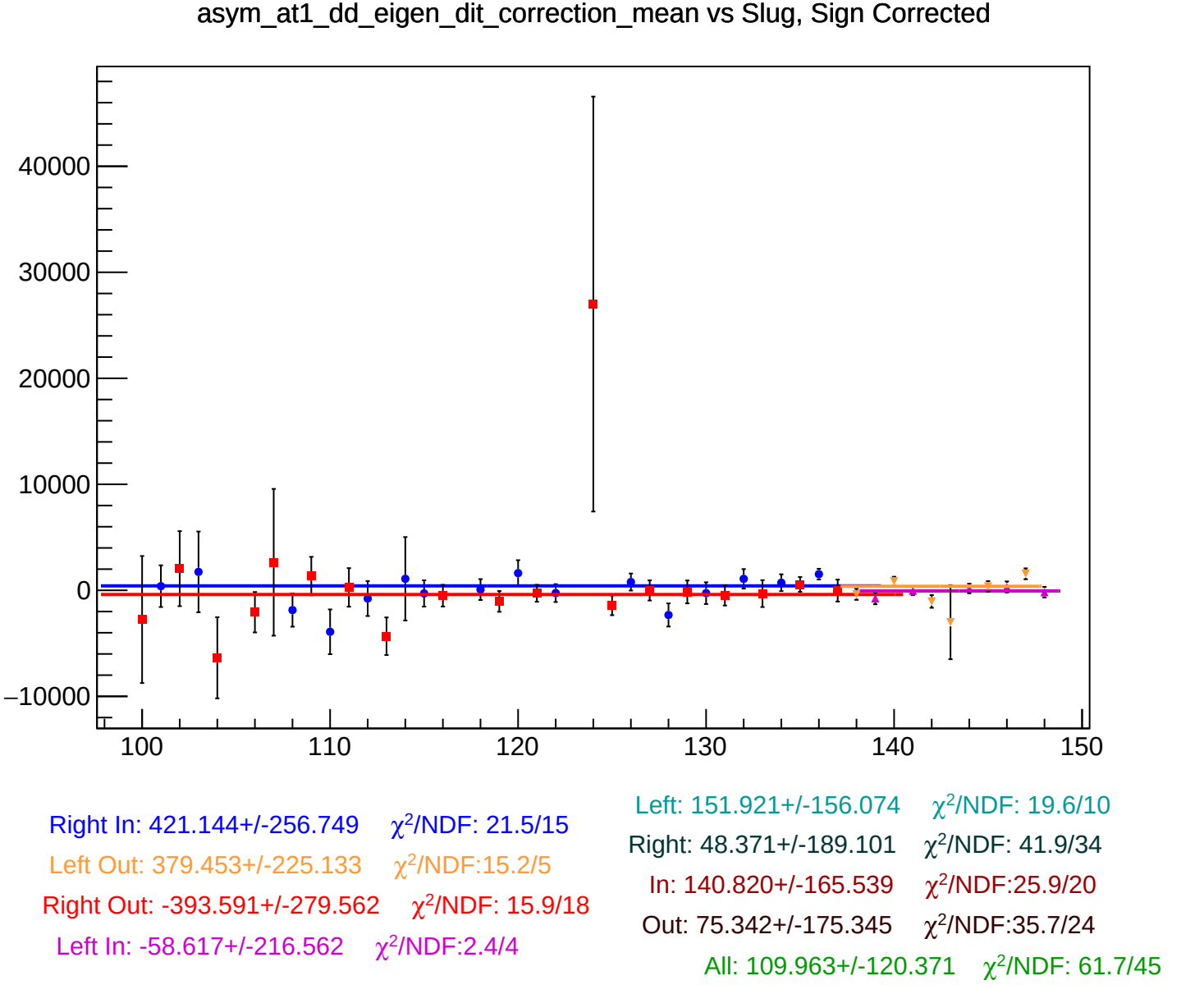
Left: 1740.474+/-0.414 χ^2/NDF: 146514.8/10

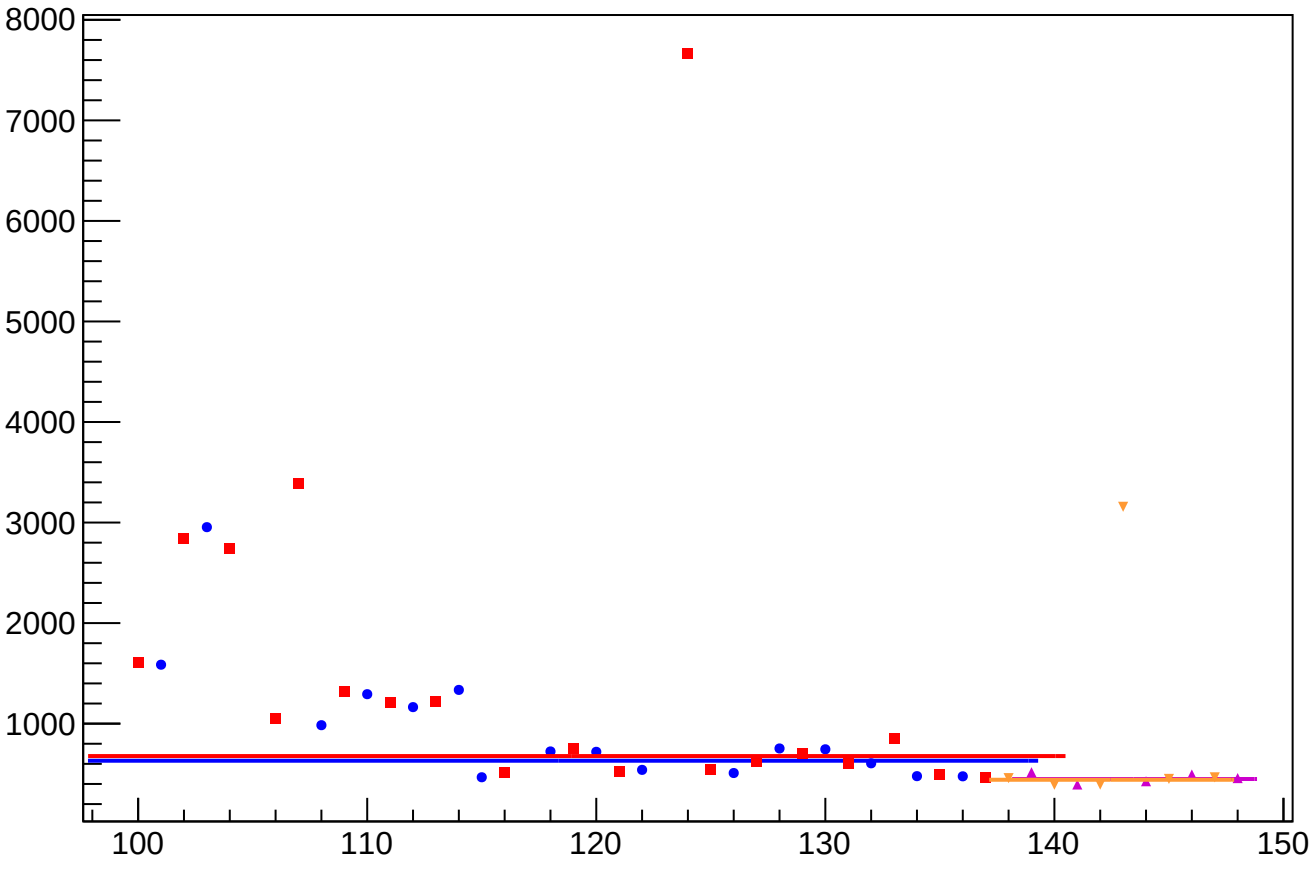
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1882.021+/-0.396 χ^2/NDF:665487.2/20

Out: 1826.277+/-0.379 χ^2/NDF:517768.7/24

All: 1852.934+/-0.274 χ^2/NDF: 1193586.5/45


asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 421.144+/-256.749 χ²/NDF: 21.5/15
Left Out: 379.453+/-225.133 χ²/NDF:15.2/5
Right Out: -393.591+/-279.562 χ²/NDF: 15.9/18
Left In: -58.617+/-216.562 χ²/NDF:2.4/4
Left: 151.921+/-156.074 χ²/NDF: 19.6/10
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 140.820+/-165.539 χ²/NDF:25.9/20
Out: 75.342+/-175.345 χ²/NDF:35.7/24
All: 109.963+/-120.371 χ²/NDF: 61.7/45



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 441.796+/-0.159 χ^2/NDF:1254304.4/5

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 449.362+/-0.153 χ^2/NDF:82527.9/4

Left: 445.726+/-0.110 χ^2/NDF: 1338005.5/10

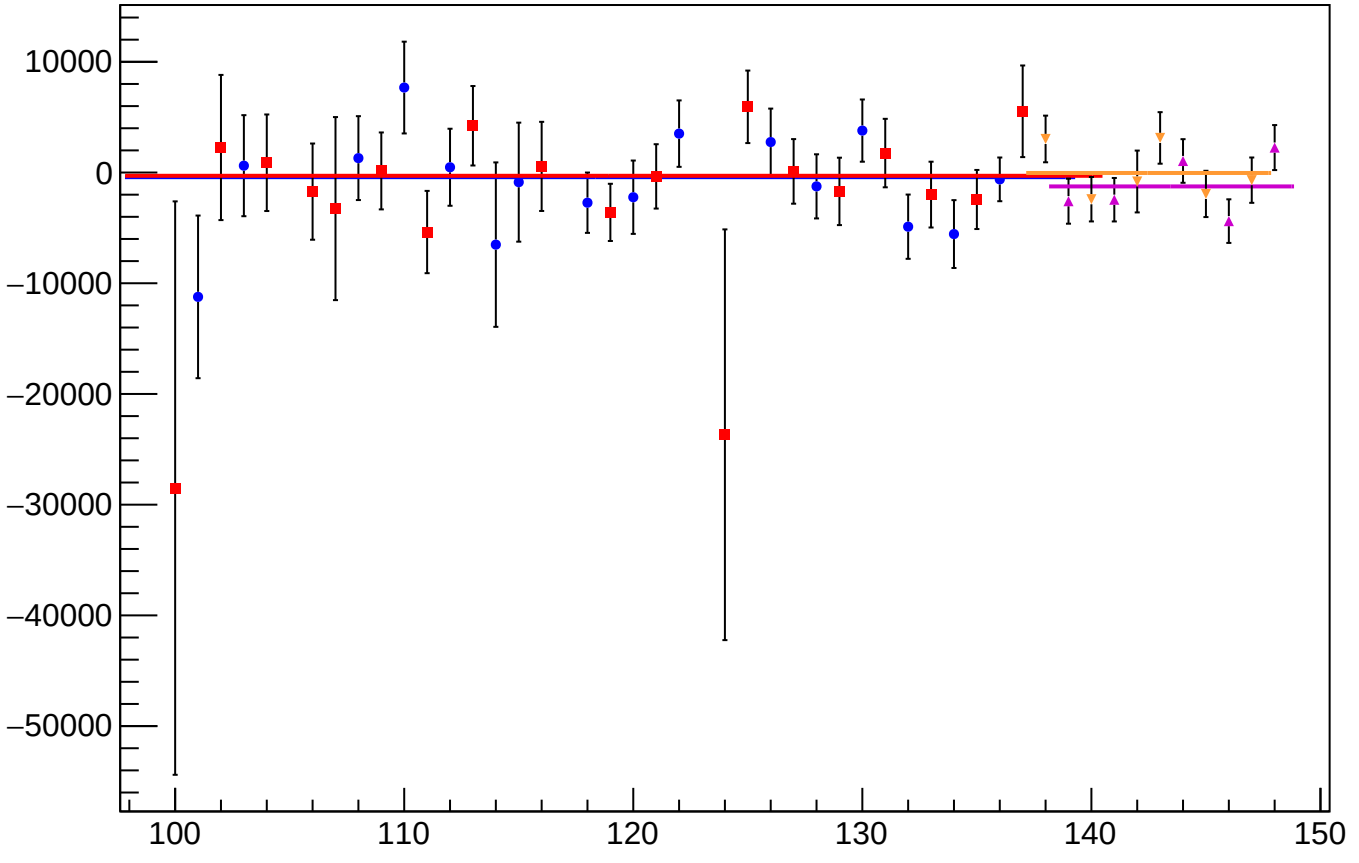
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 524.927+/-0.117 χ^2/NDF:2902777.6/20

Out: 534.496+/-0.124 χ^2/NDF:5197825.7/24

All: 529.436+/-0.085 χ^2/NDF: 8103752.7/45

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -39.654+/-893.023 χ^2/NDF:6.4/5

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -1254.345+/-891.196 χ^2/NDF:7.7/4

Left: -648.243+/-630.816 χ^2/NDF: 15.0/10

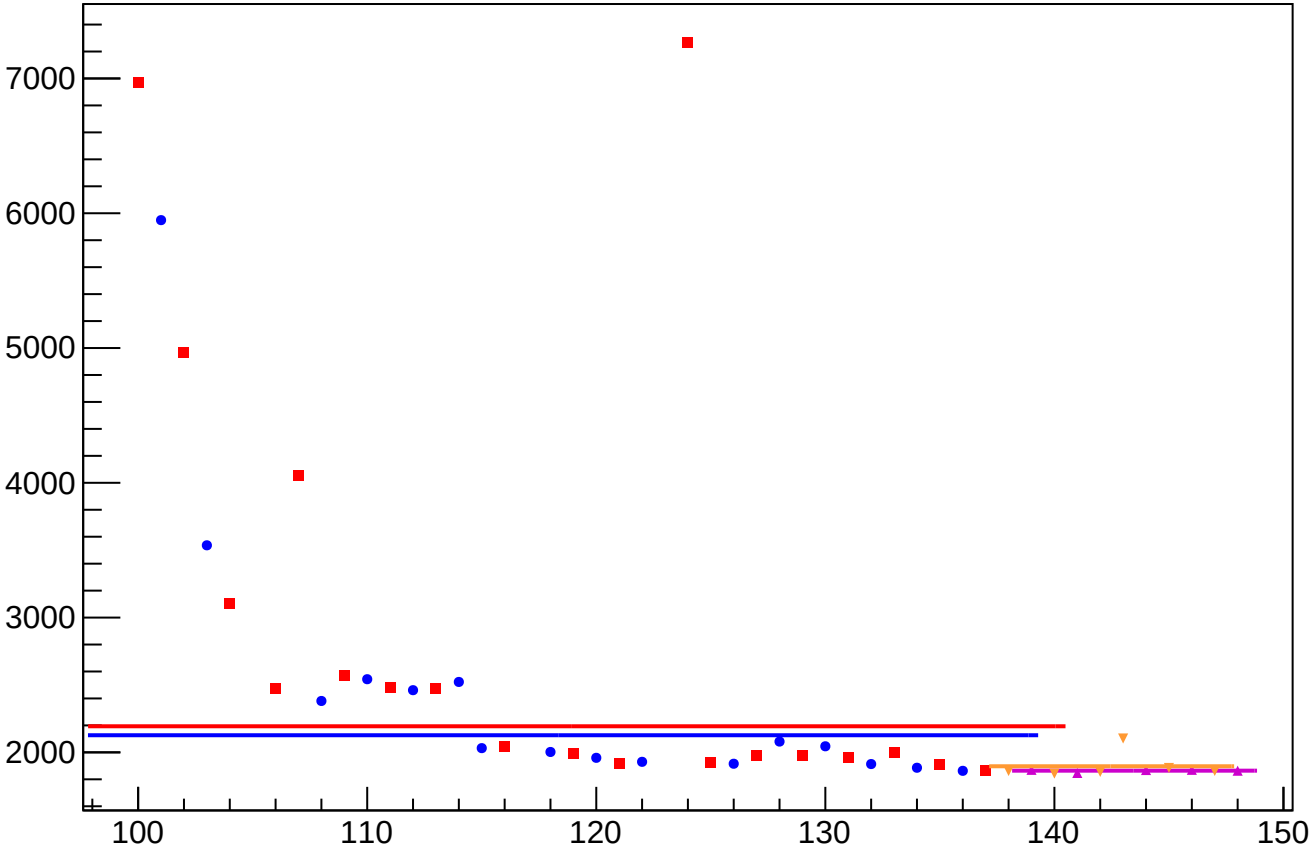
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -798.901+/-601.577 χ^2/NDF:26.5/20

Out: -176.154+/-608.591 χ^2/NDF:22.0/24

All: -491.137+/-427.838 χ^2/NDF: 49.1/45

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1896.838+/-0.631 χ^2/NDF:18794.9/5

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.134+/-0.630 χ^2/NDF:199.5/4

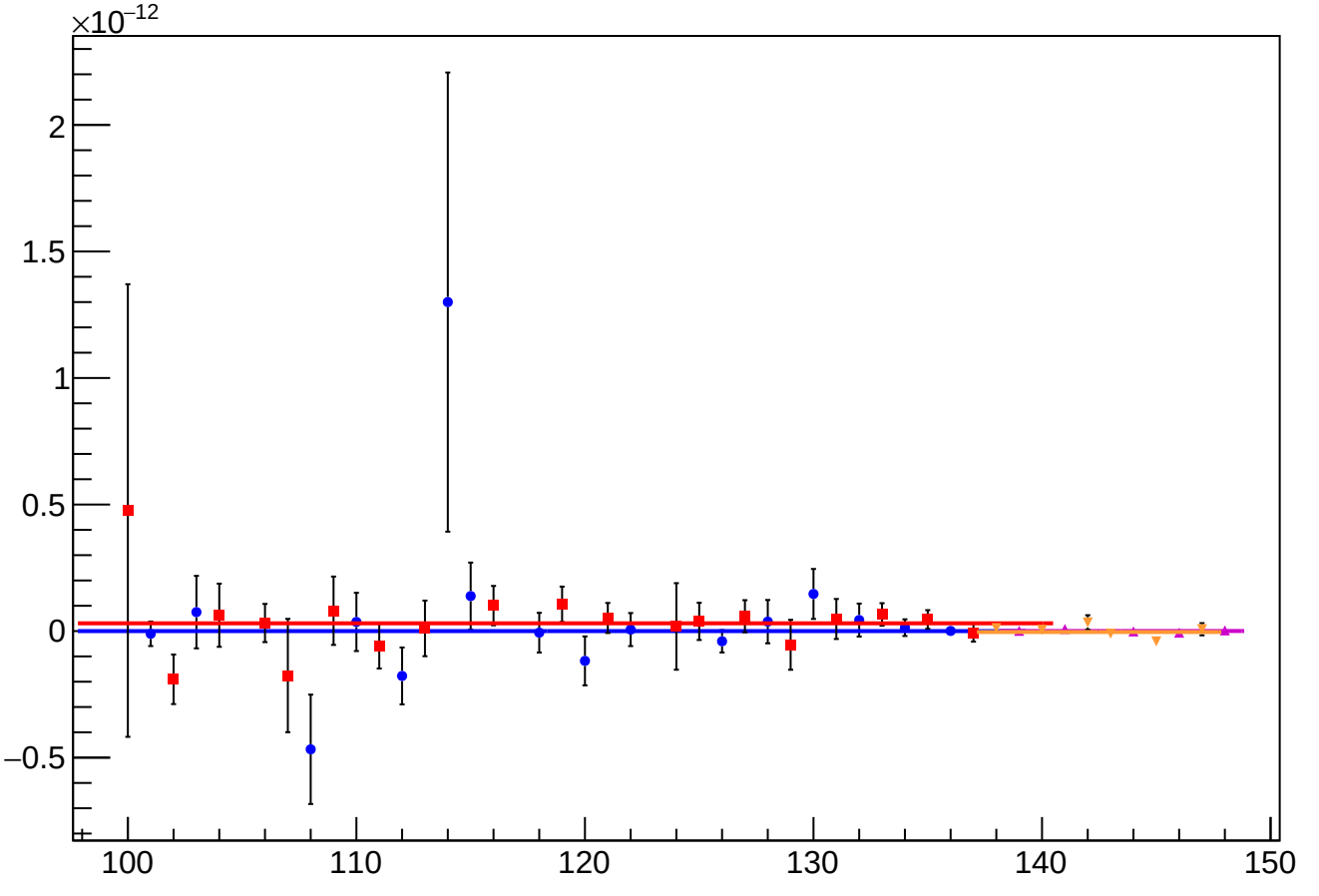
Left: 1880.453+/-0.446 χ^2/NDF: 20338.4/10

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2007.246+/-0.425 χ^2/NDF:970024.0/20

Out: 2055.752+/-0.430 χ^2/NDF:1079630.3/24

All: 2031.218+/-0.303 χ^2/NDF: 2056080.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/4

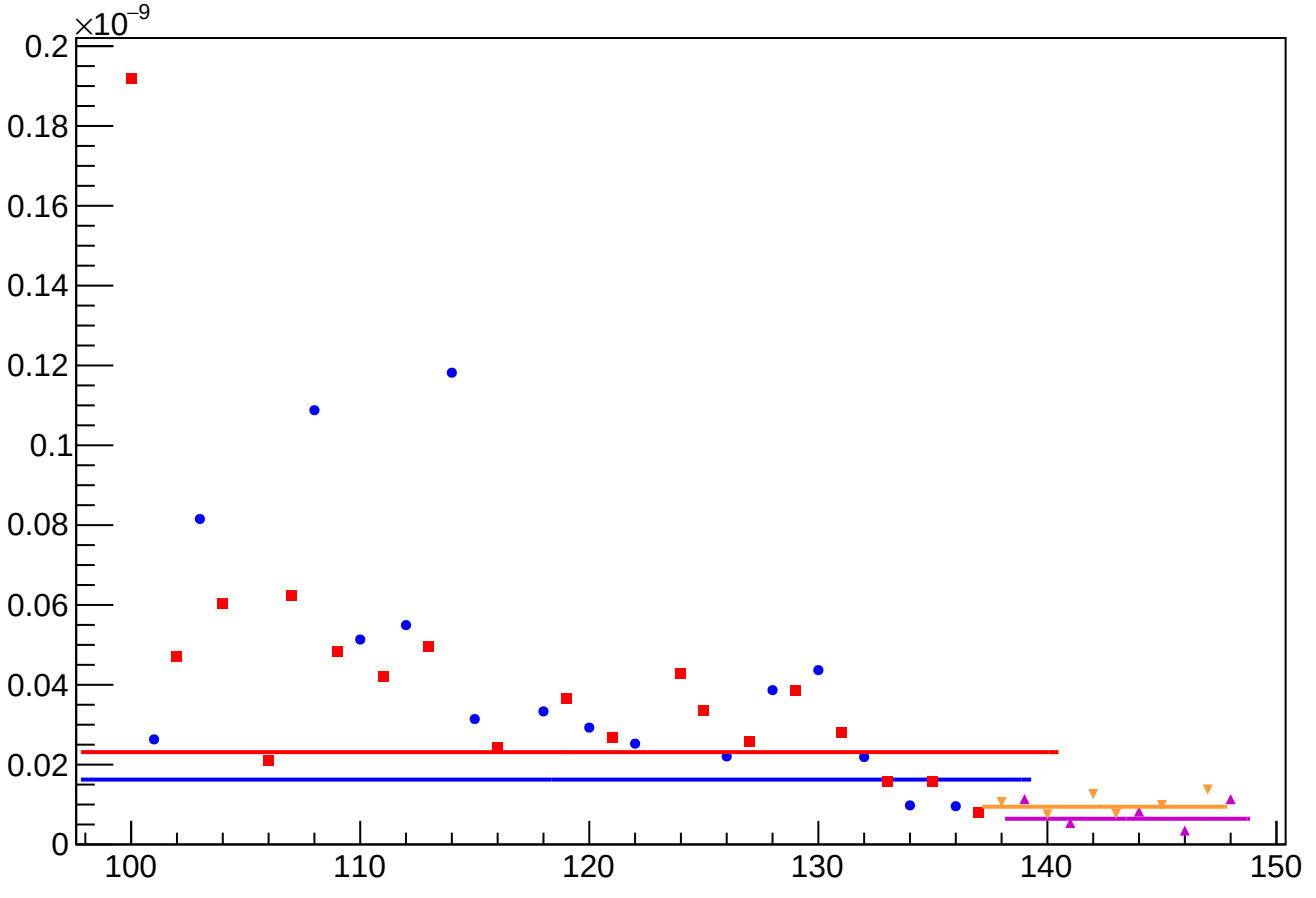
Left: -0.000+/-0.000 χ^2/NDF: 9.7/10

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/20

Out: 0.000+/-0.000 χ^2/NDF:24.9/24

All: 0.000+/-0.000 χ^2/NDF: 42.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:161765.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:506090.1/4

Left: 0.000+/-0.000 χ^2/NDF: 879635.4/10

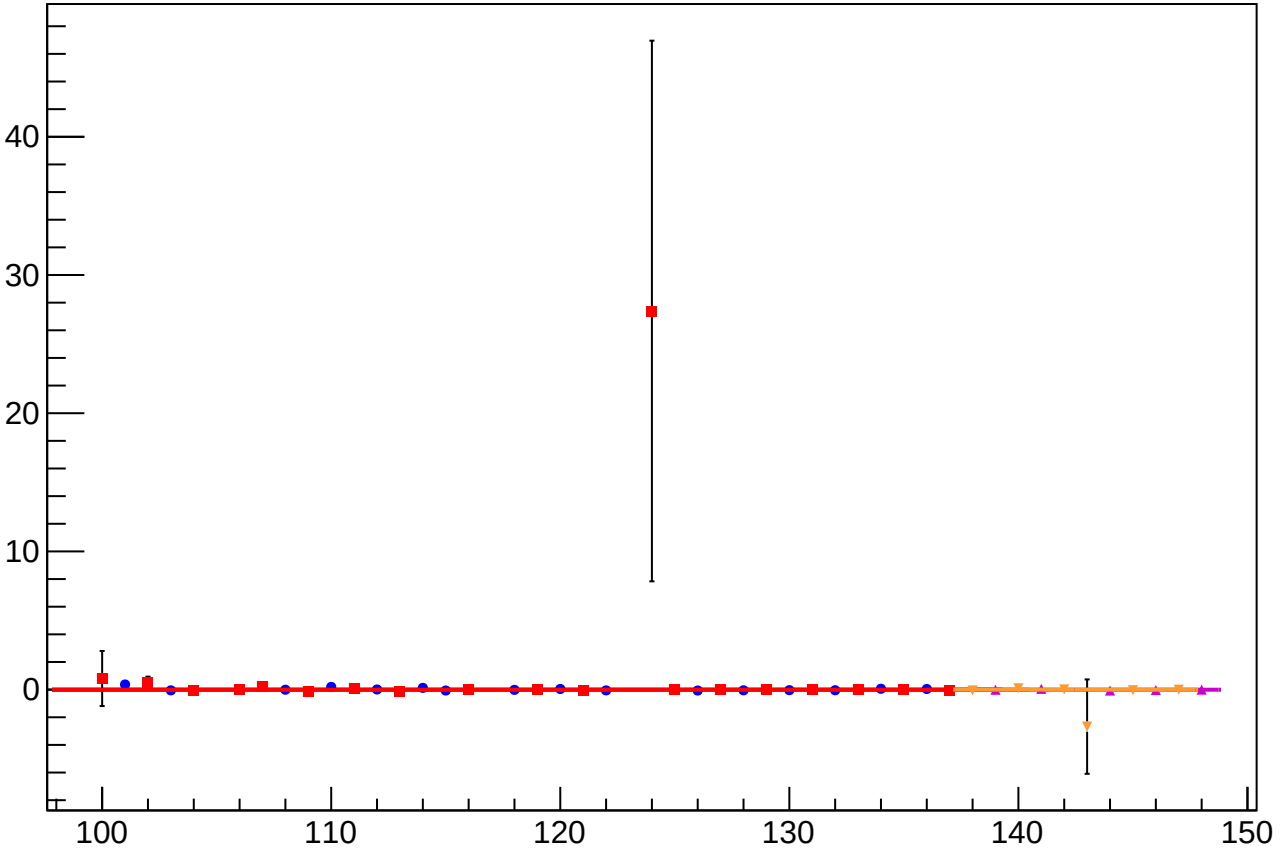
Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3894011.6/20

Out: 0.000+/-0.000 χ^2/NDF:2825919.8/24

All: 0.000+/-0.000 χ^2/NDF: 7056625.8/45

asym_at1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.018 χ^2/NDF:5.8/4

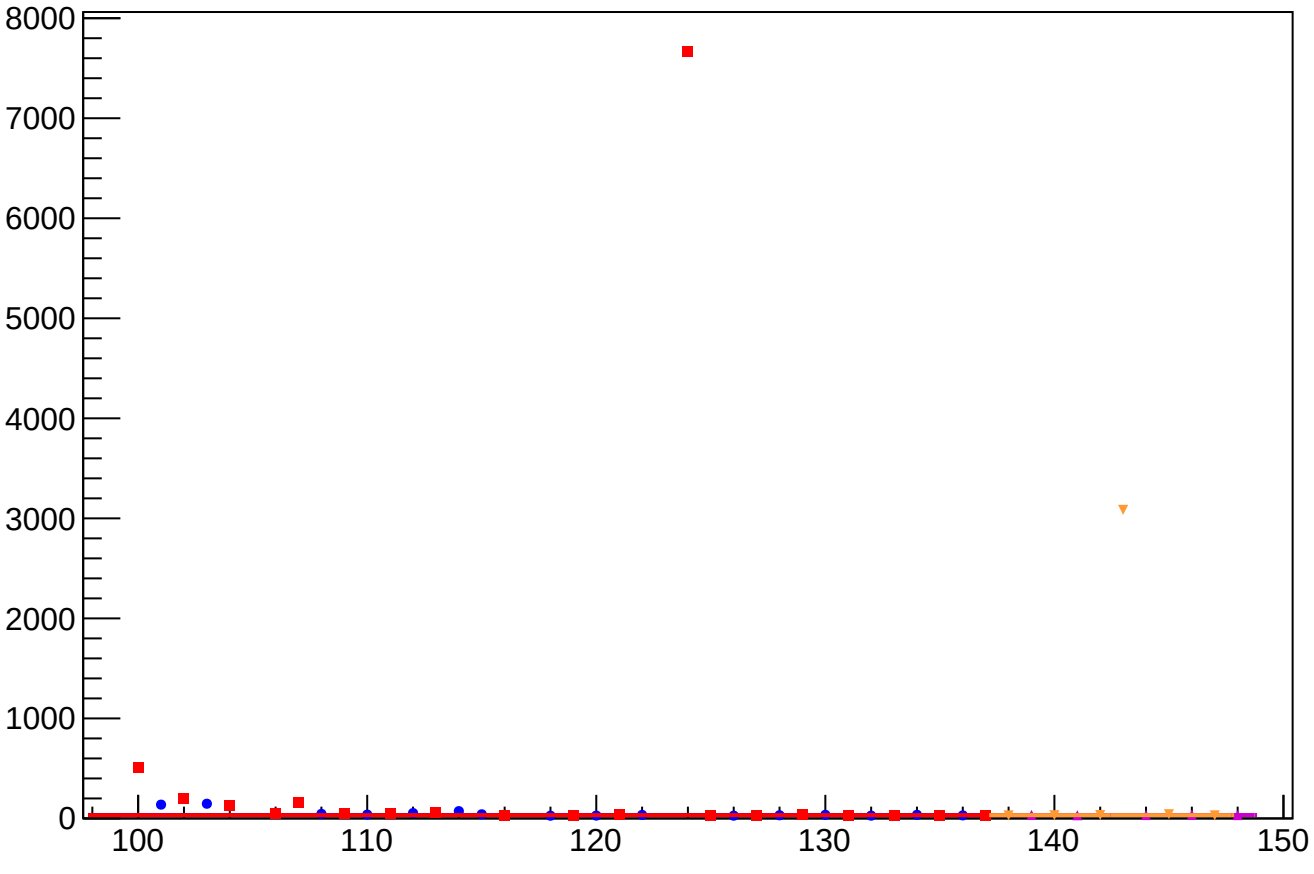
Left: -0.003+/-0.013 χ^2/NDF: 15.7/10

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/45



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.081+/-0.013 χ^2/NDF:1684829.8/5

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

Left: 33.843+/-0.009 χ^2/NDF: 1710854.0/10

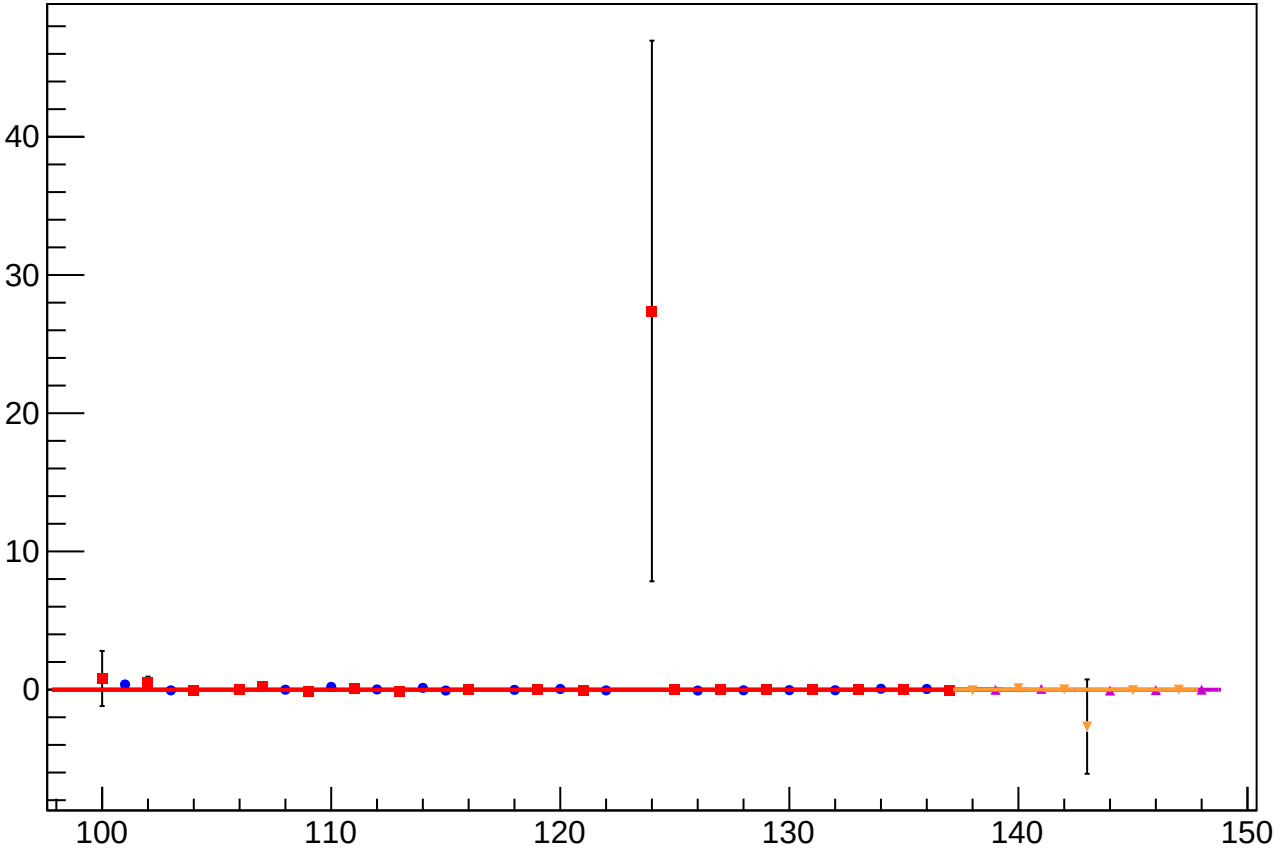
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.254+/-0.008 χ^2/NDF:1737729.7/20

Out: 33.083+/-0.008 χ^2/NDF:3759954.4/24

All: 33.681+/-0.006 χ^2/NDF: 5508080.9/45

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: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.018 χ^2/NDF:5.8/4

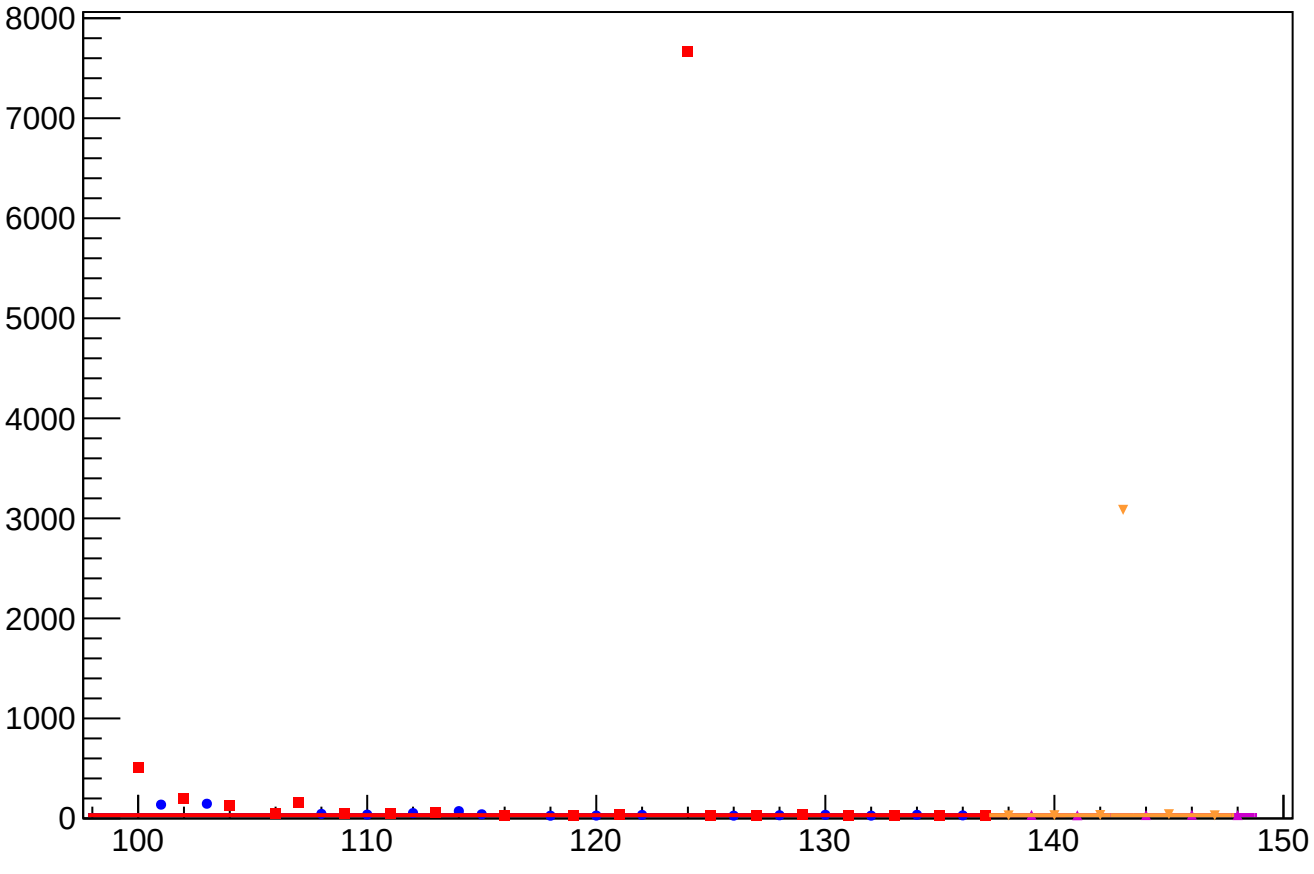
Left: -0.003+/-0.013 χ^2/NDF: 15.7/10

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/45



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.081+/-0.013 χ^2/NDF:1684829.8/5

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

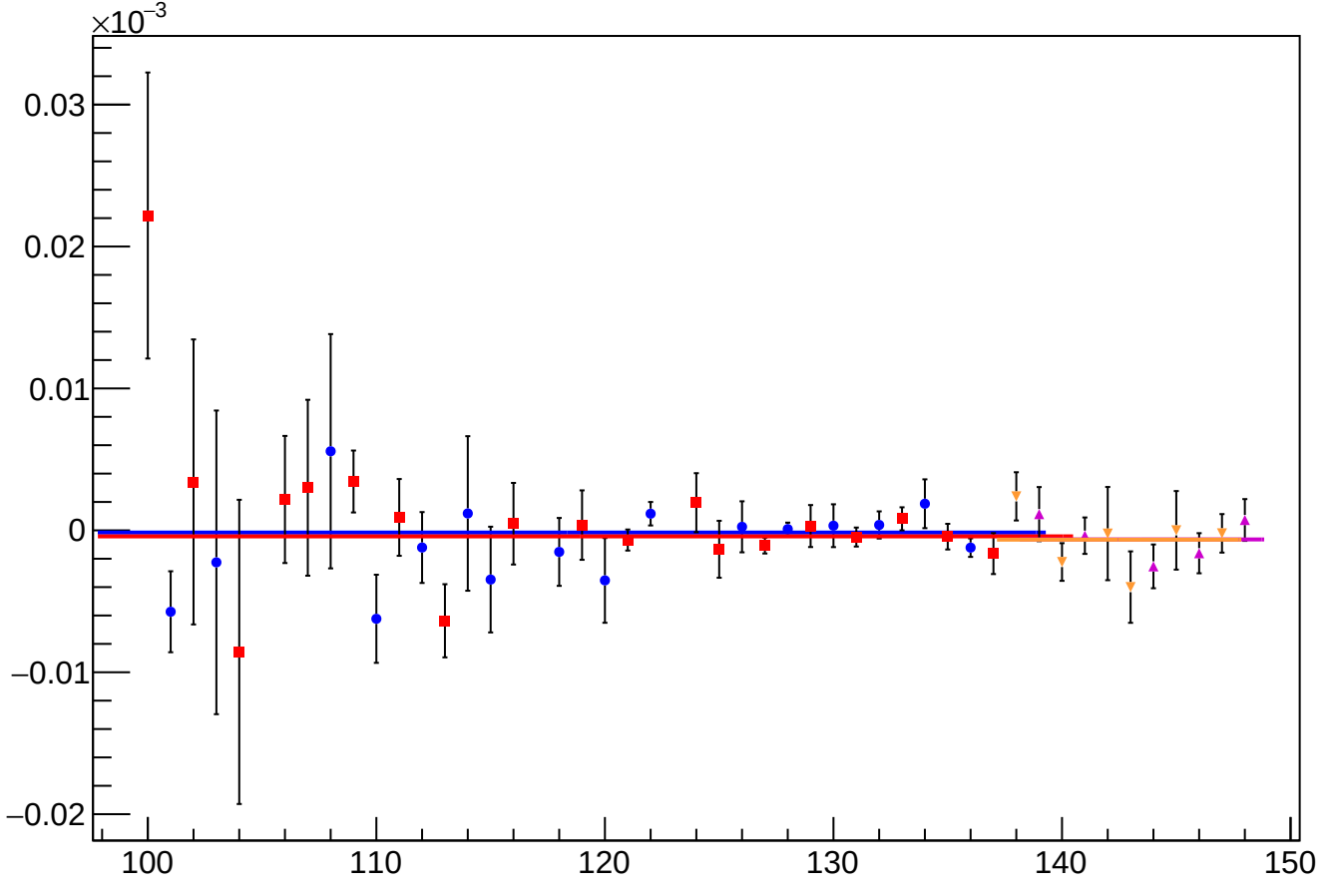
Left: 33.843+/-0.009 χ^2/NDF: 1710854.0/10

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.254+/-0.008 χ^2/NDF:1737729.7/20

Out: 33.083+/-0.008 χ^2/NDF:3759954.4/24

All: 33.681+/-0.006 χ^2/NDF: 5508080.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

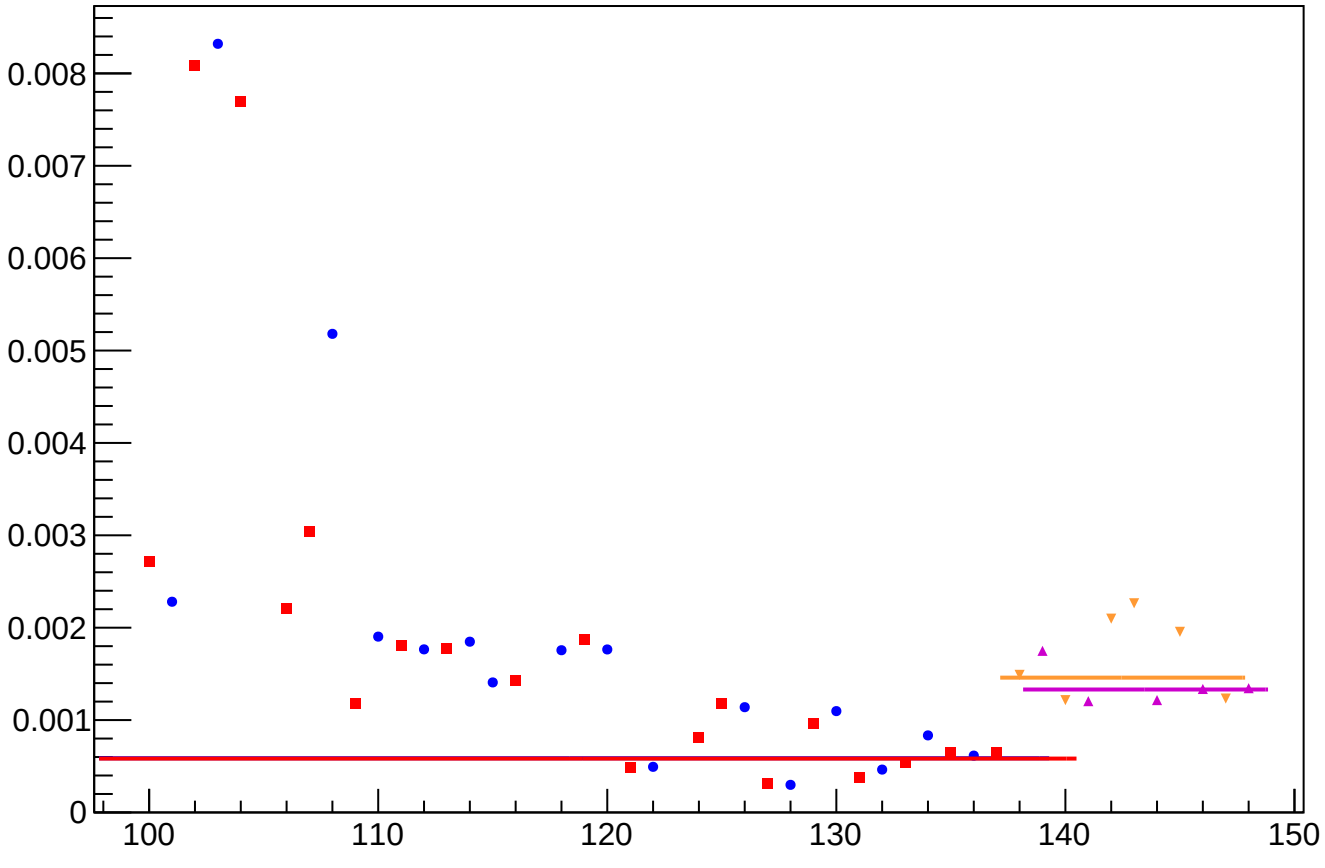
Left: -0.000+/-0.000 χ^2/NDF: 10.4/10

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:22.4/20

Out: -0.000+/-0.000 χ^2/NDF:28.2/24

All: -0.000+/-0.000 χ^2/NDF: 51.0/45



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:468005.7/5

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126953.7/4

Left: 0.001+/-0.000 χ^2/NDF: 628454.3/10

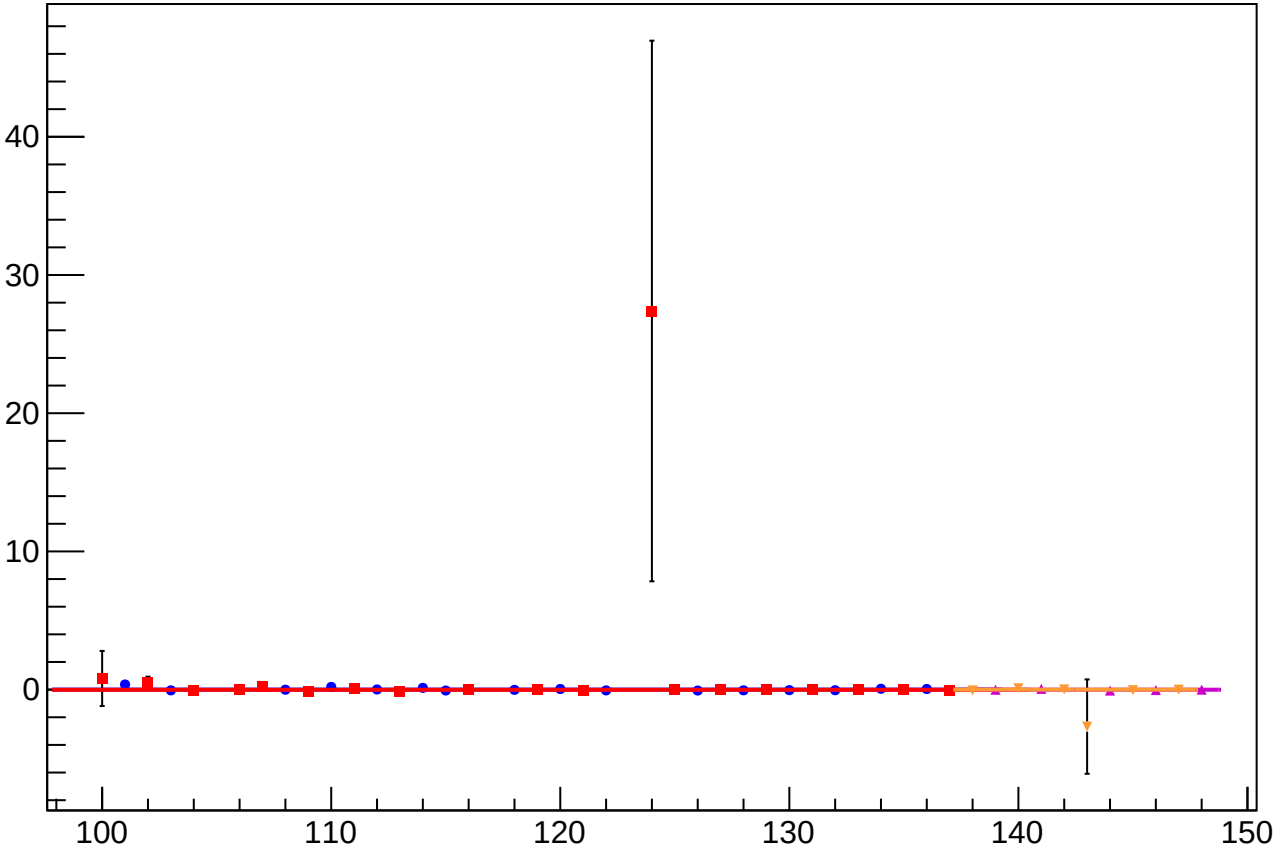
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:7711762.6/20

Out: 0.001+/-0.000 χ^2/NDF:8355988.7/24

All: 0.001+/-0.000 χ^2/NDF: 16069562.4/45

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: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.018 χ^2/NDF:5.8/4

Left: -0.003+/-0.013 χ^2/NDF: 15.7/10

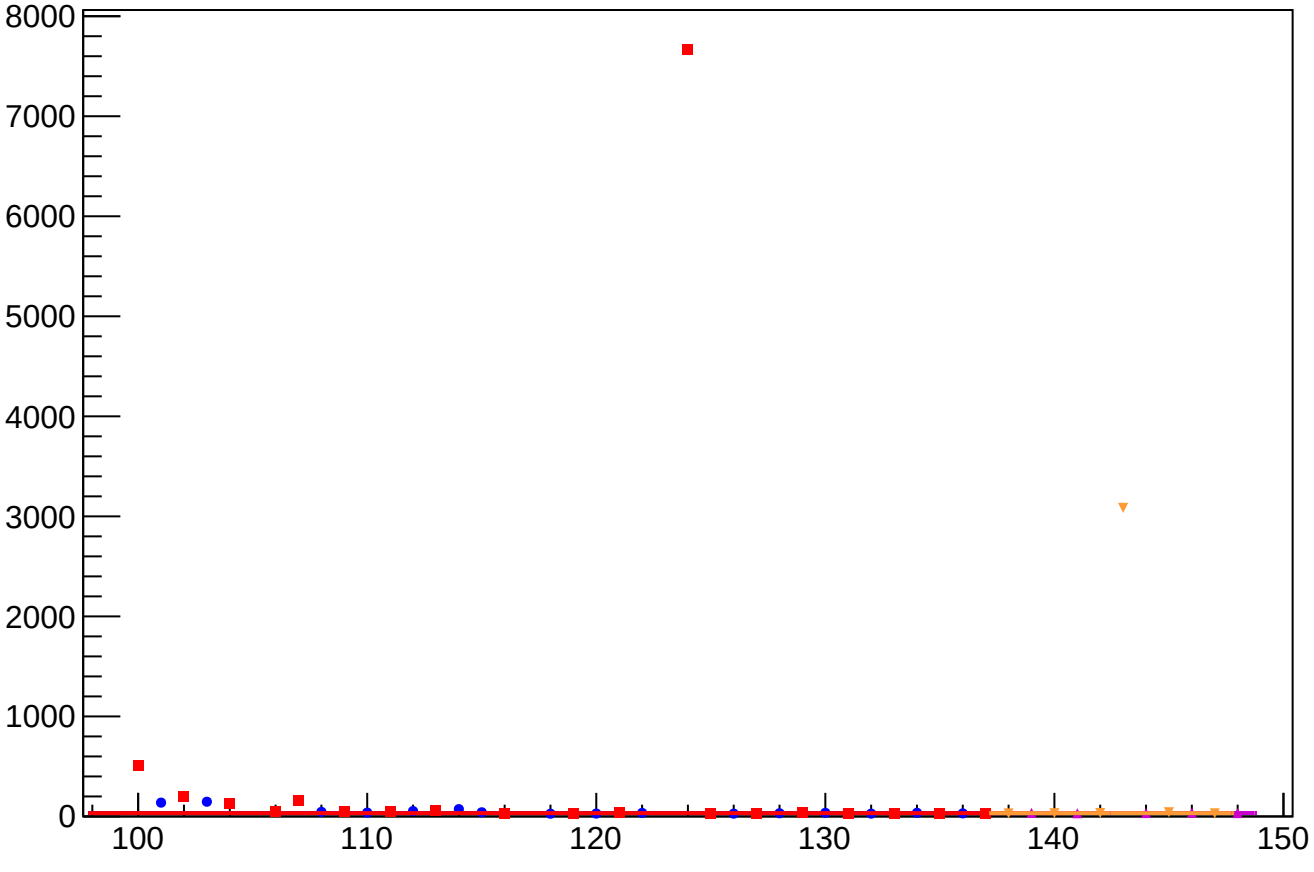
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/45

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: 33.081+/-0.013 χ^2/NDF:1684832.7/5

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

Left: 33.843+/-0.009 χ^2/NDF: 1710861.4/10

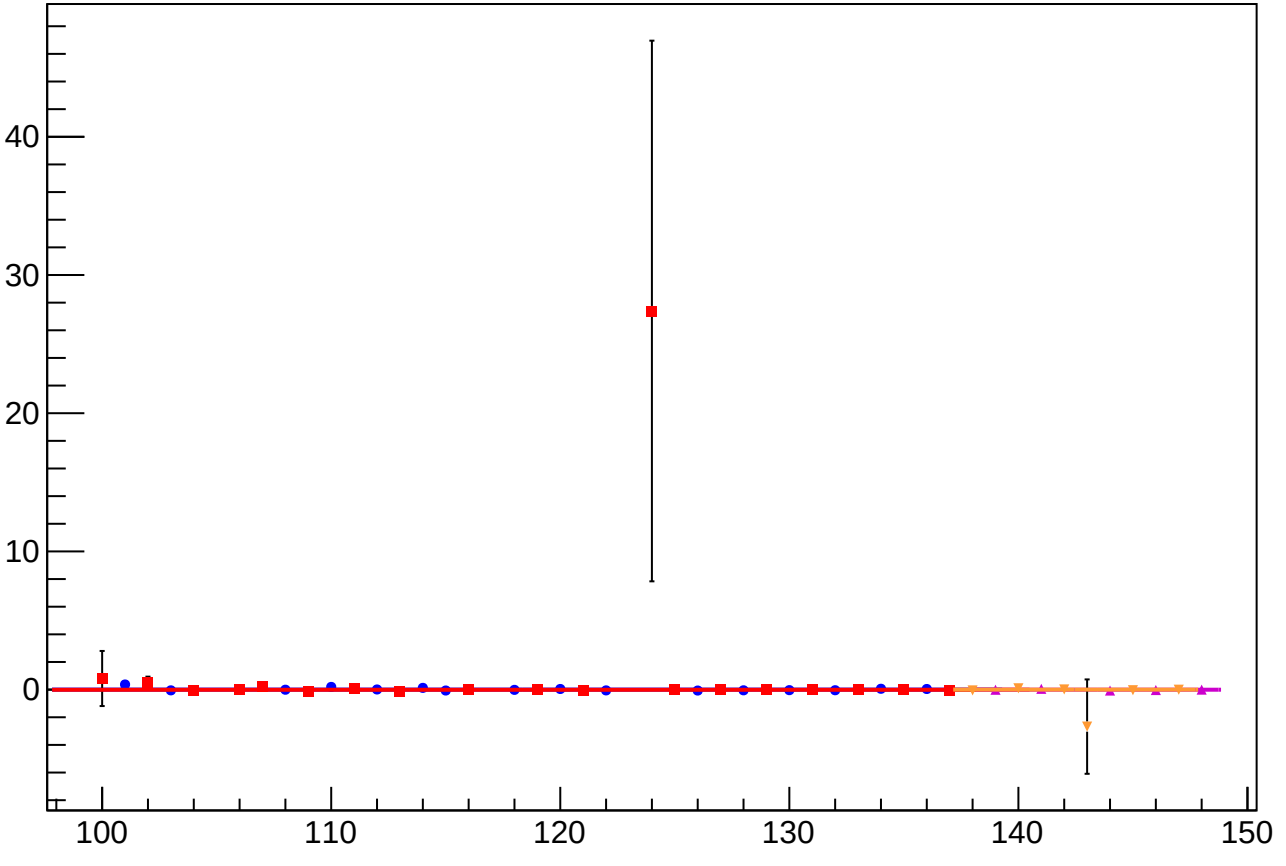
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.254+/-0.008 χ^2/NDF:1737720.8/20

Out: 33.083+/-0.008 χ^2/NDF:3759938.6/24

All: 33.681+/-0.006 χ^2/NDF: 5508058.7/45

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: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.018 χ^2/NDF:5.8/4

Left: -0.003+/-0.013 χ^2/NDF: 15.7/10

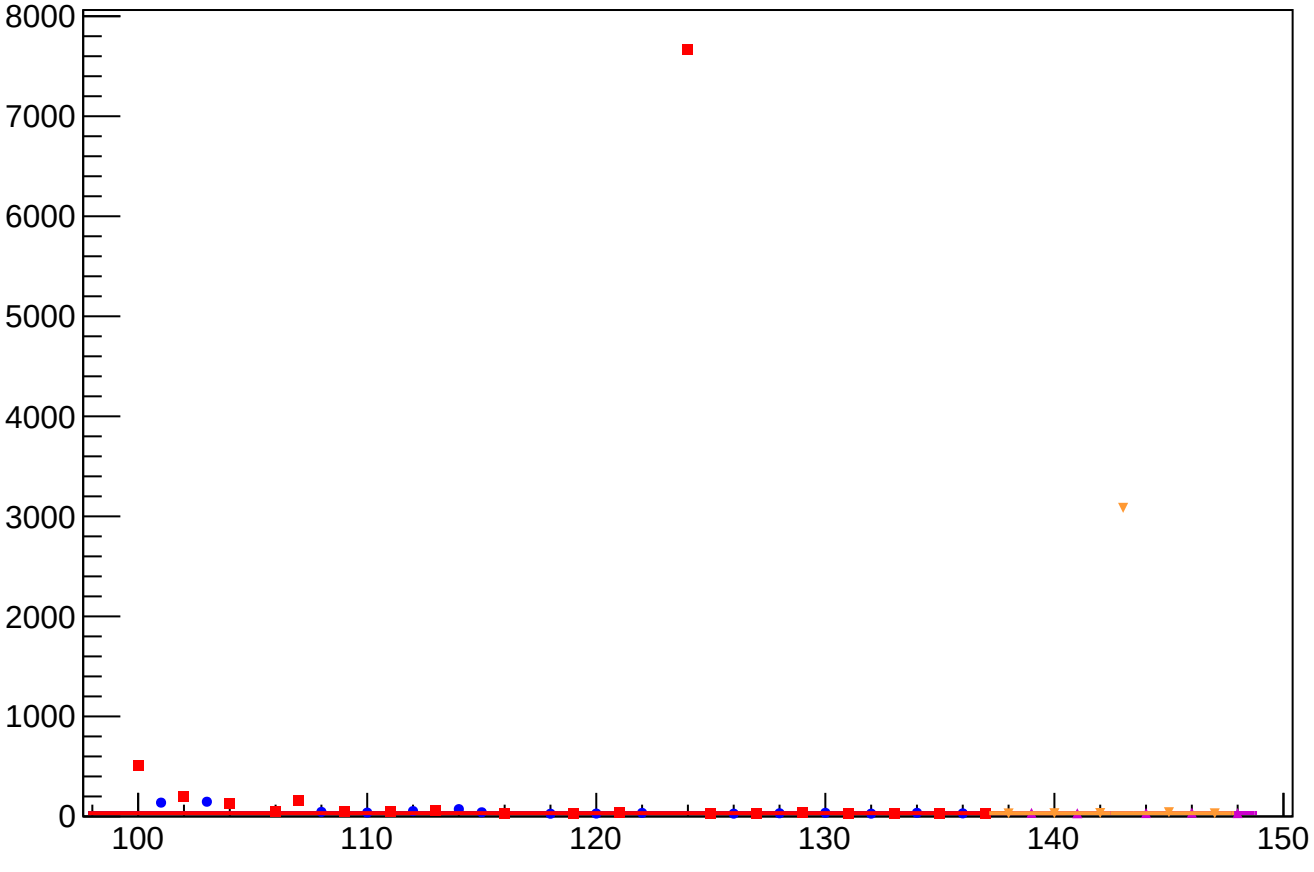
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/45

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: 33.081+/-0.013 χ^2/NDF:1684832.7/5

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

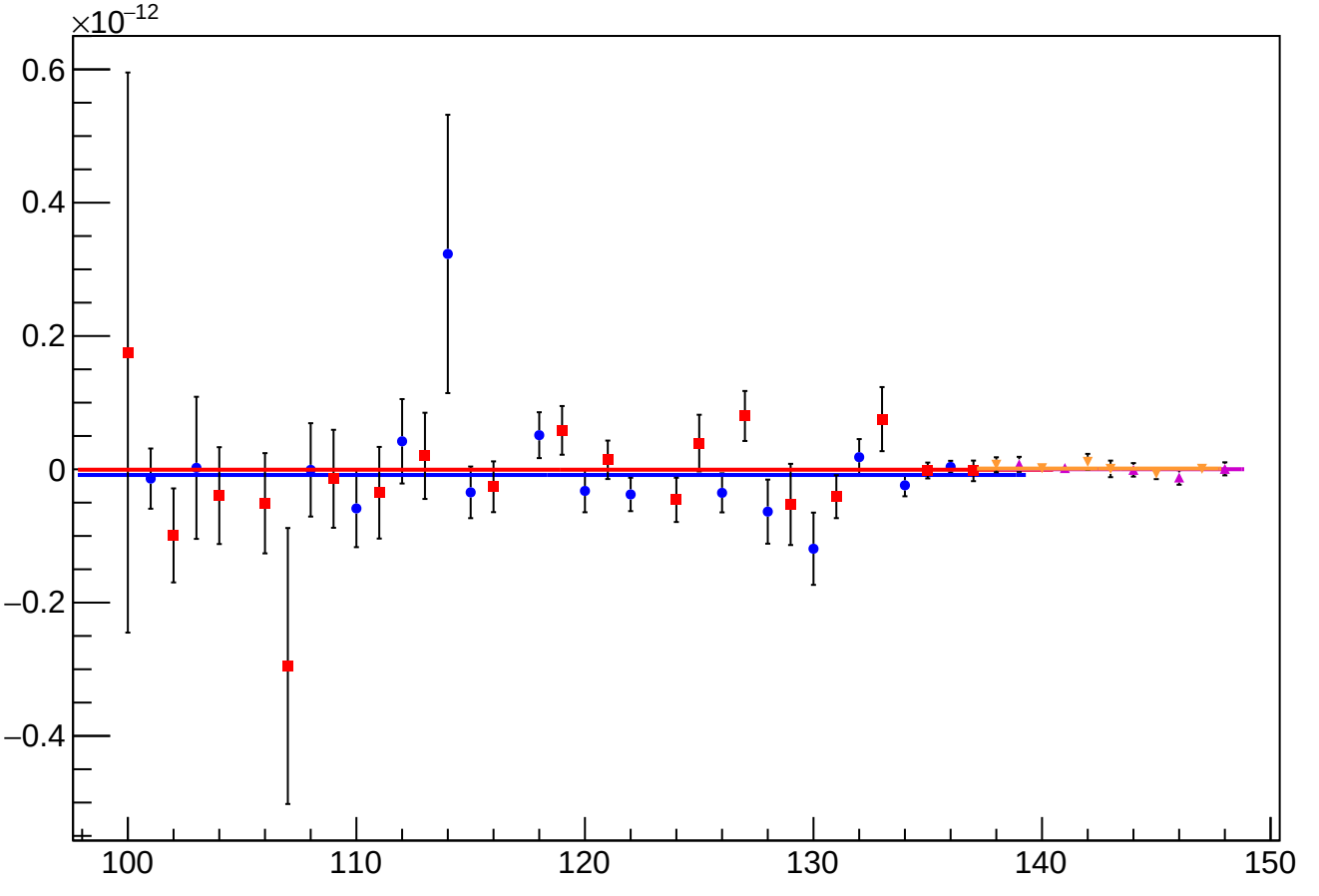
Left: 33.843+/-0.009 χ^2/NDF: 1710861.4/10

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.254+/-0.008 χ^2/NDF:1737720.8/20

Out: 33.083+/-0.008 χ^2/NDF:3759938.6/24

All: 33.681+/-0.006 χ^2/NDF: 5508058.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

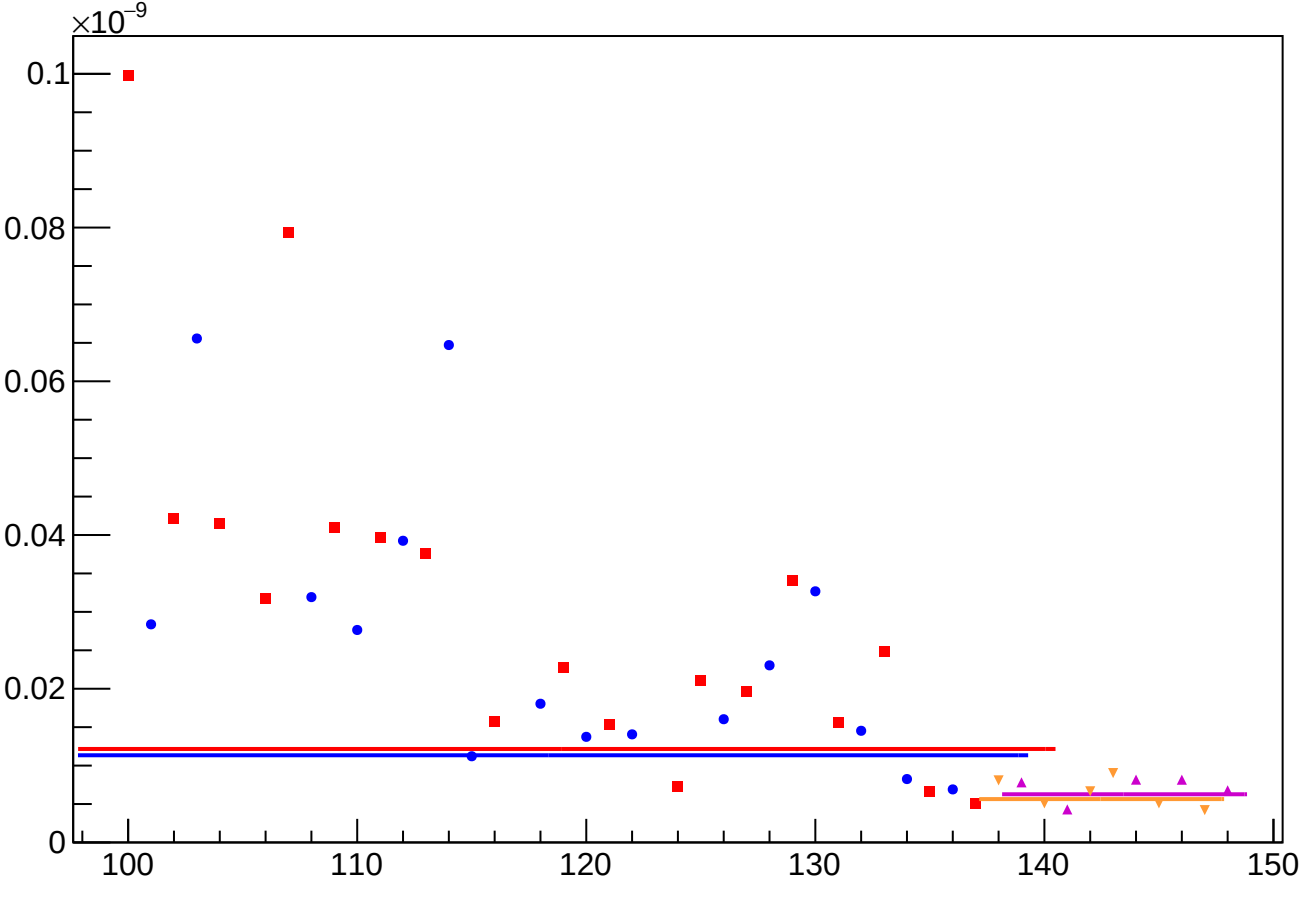
Left: 0.000+/-0.000 χ^2/NDF: 3.7/10

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:22.4/20

Out: 0.000+/-0.000 χ^2/NDF:22.7/24

All: -0.000+/-0.000 χ^2/NDF: 45.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:356719.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:379455.7/4

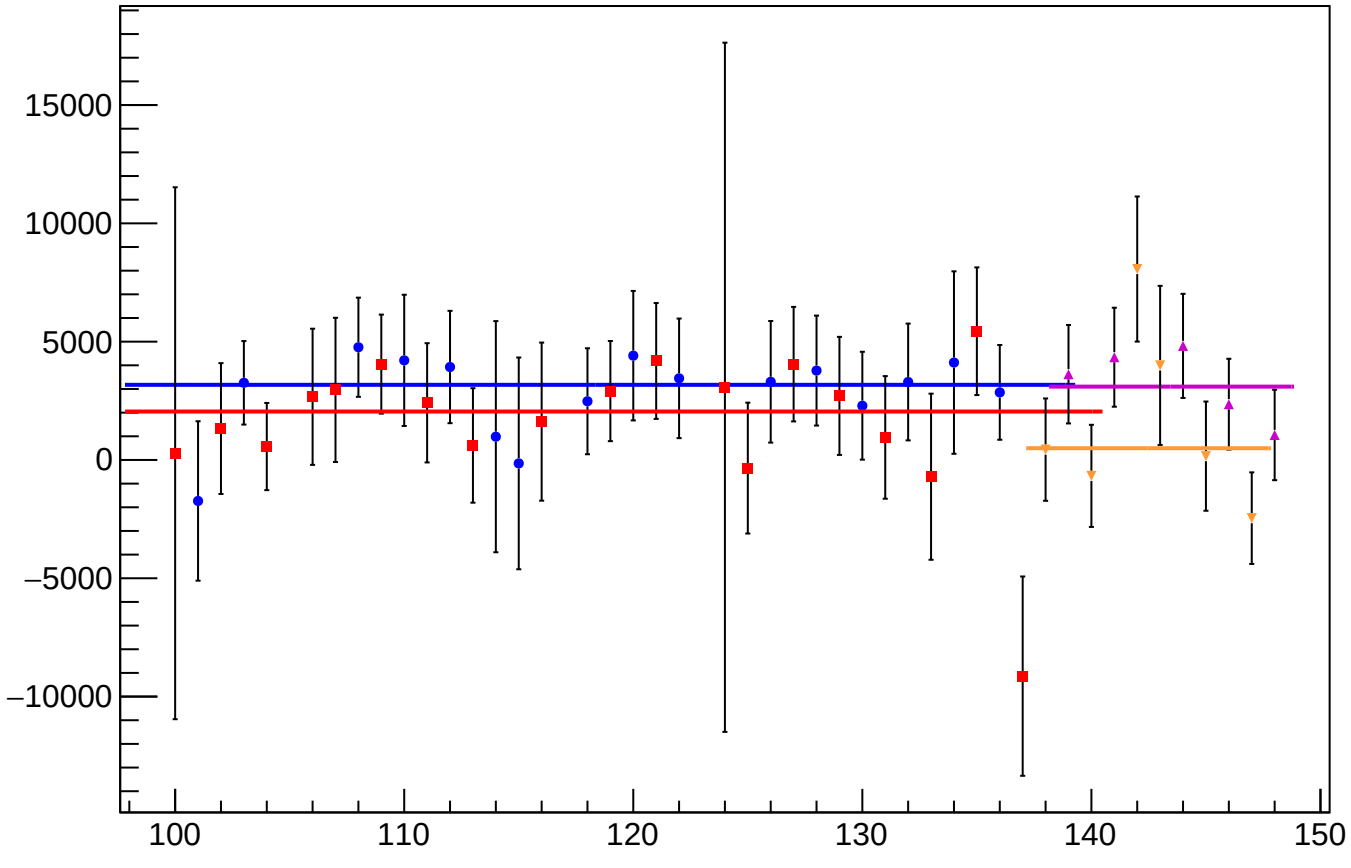
Left: 0.000+/-0.000 χ^2/NDF: 763726.4/10

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4098599.5/20

Out: 0.000+/-0.000 χ^2/NDF:5417116.1/24

All: 0.000+/-0.000 χ^2/NDF: 9571646.3/45



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.489+/-963.114 χ^2/NDF:9.8/5

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3099.605+/-908.475 χ^2/NDF:2.3/4

Left: 1873.508+/-660.861 χ^2/NDF: 16.0/10

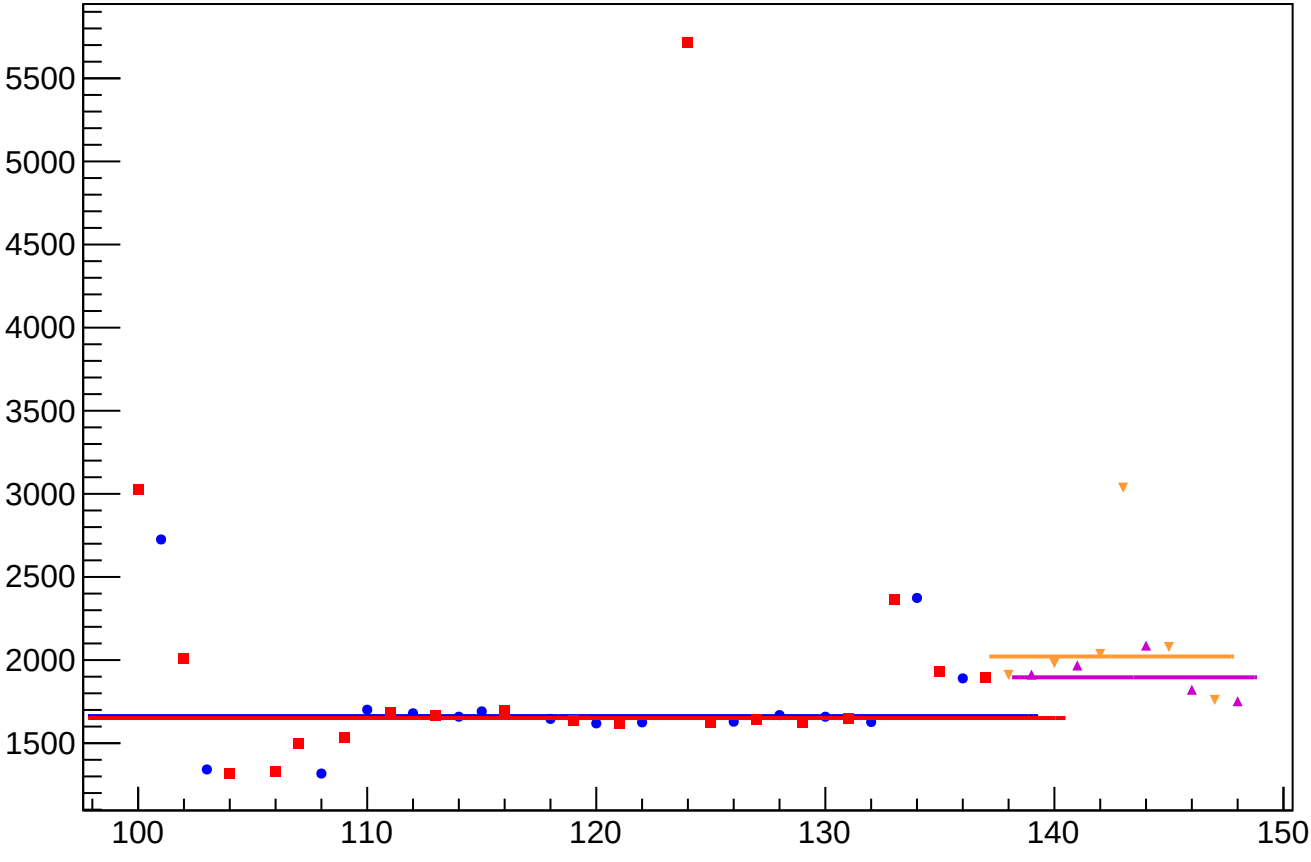
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3151.027+/-516.583 χ^2/NDF:6.6/20

Out: 1591.154+/-522.210 χ^2/NDF:25.7/24

All: 2379.539+/-367.253 χ^2/NDF: 36.9/45

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

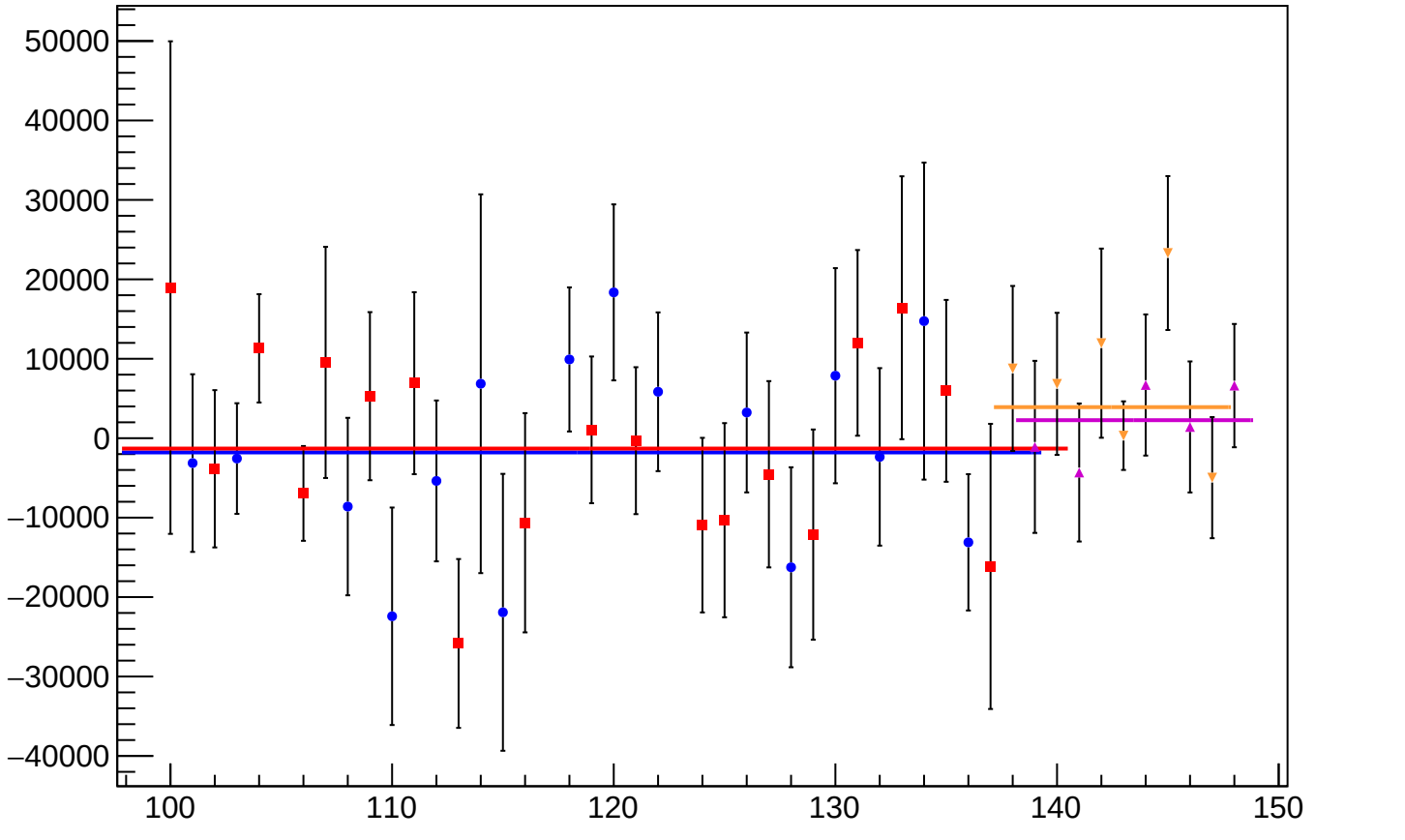
Left: 1955.312+/-0.467 χ^2/NDF: 276051.8/10

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1738.374+/-0.365 χ^2/NDF:536835.6/20

Out: 1760.184+/-0.369 χ^2/NDF:866964.5/24

All: 1749.161+/-0.260 χ^2/NDF: 1405563.4/45



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3911.301+/-3011.185 χ^2/NDF:6.8/5

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2267.374+/-3900.189 χ^2/NDF:1.2/4

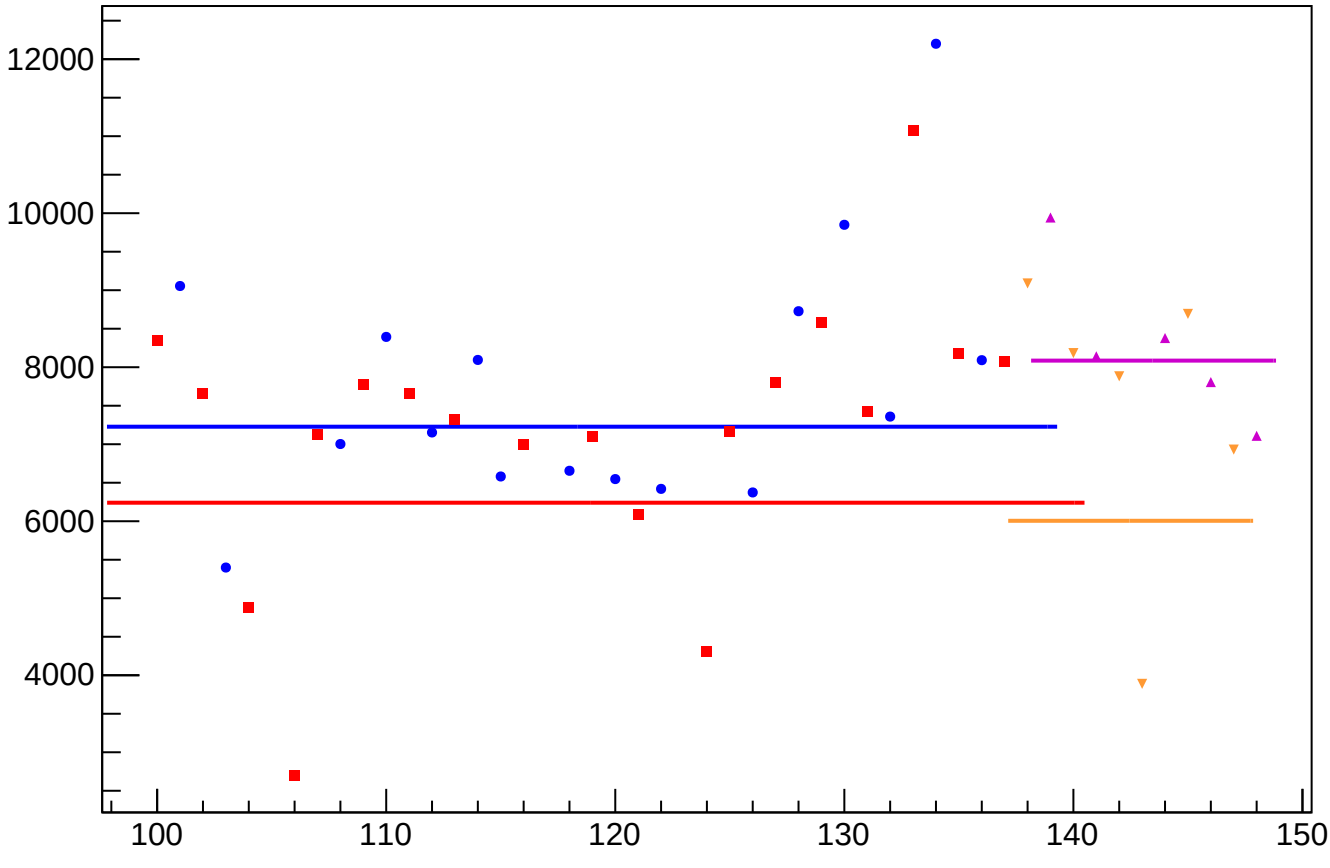
Left: 3297.353+/-2383.473 χ^2/NDF: 8.2/10

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -447.546+/-2244.008 χ^2/NDF:16.3/20

Out: 751.542+/-1891.075 χ^2/NDF:26.4/24

All: 253.601+/-1446.065 χ^2/NDF: 42.8/45



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6005.738+/-2.129 χ^2/NDF:1008236.5/5

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8085.765+/-2.758 χ^2/NDF:95081.7/4

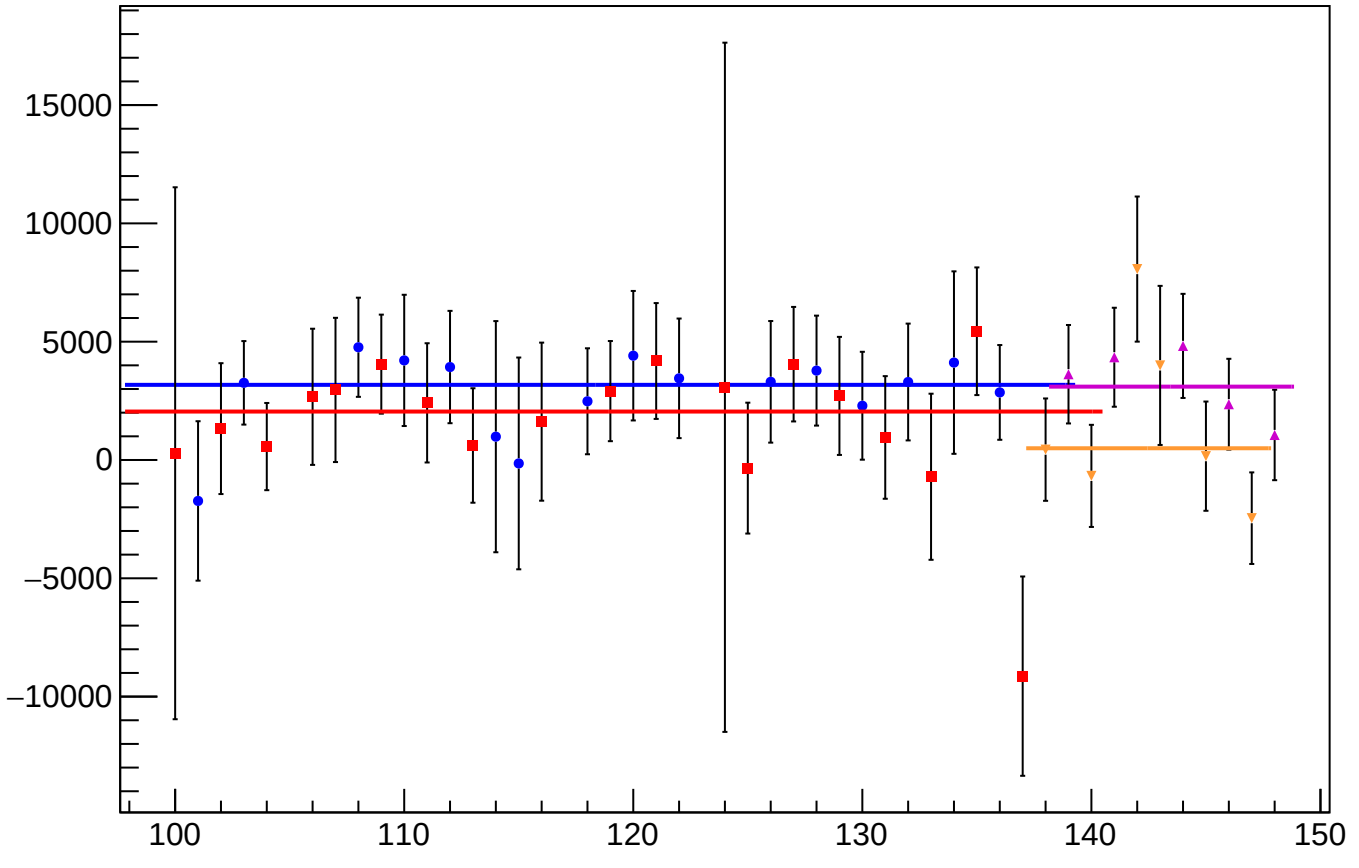
Left: 6782.554+/-1.685 χ^2/NDF: 1459722.3/10

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7511.679+/-1.587 χ^2/NDF:663118.3/20

Out: 6147.943+/-1.337 χ^2/NDF:2414679.5/24

All: 6714.256+/-1.023 χ^2/NDF: 3509714.2/45



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.627+/-963.114 χ^2/NDF:9.8/5

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3099.860+/-908.475 χ^2/NDF:2.3/4

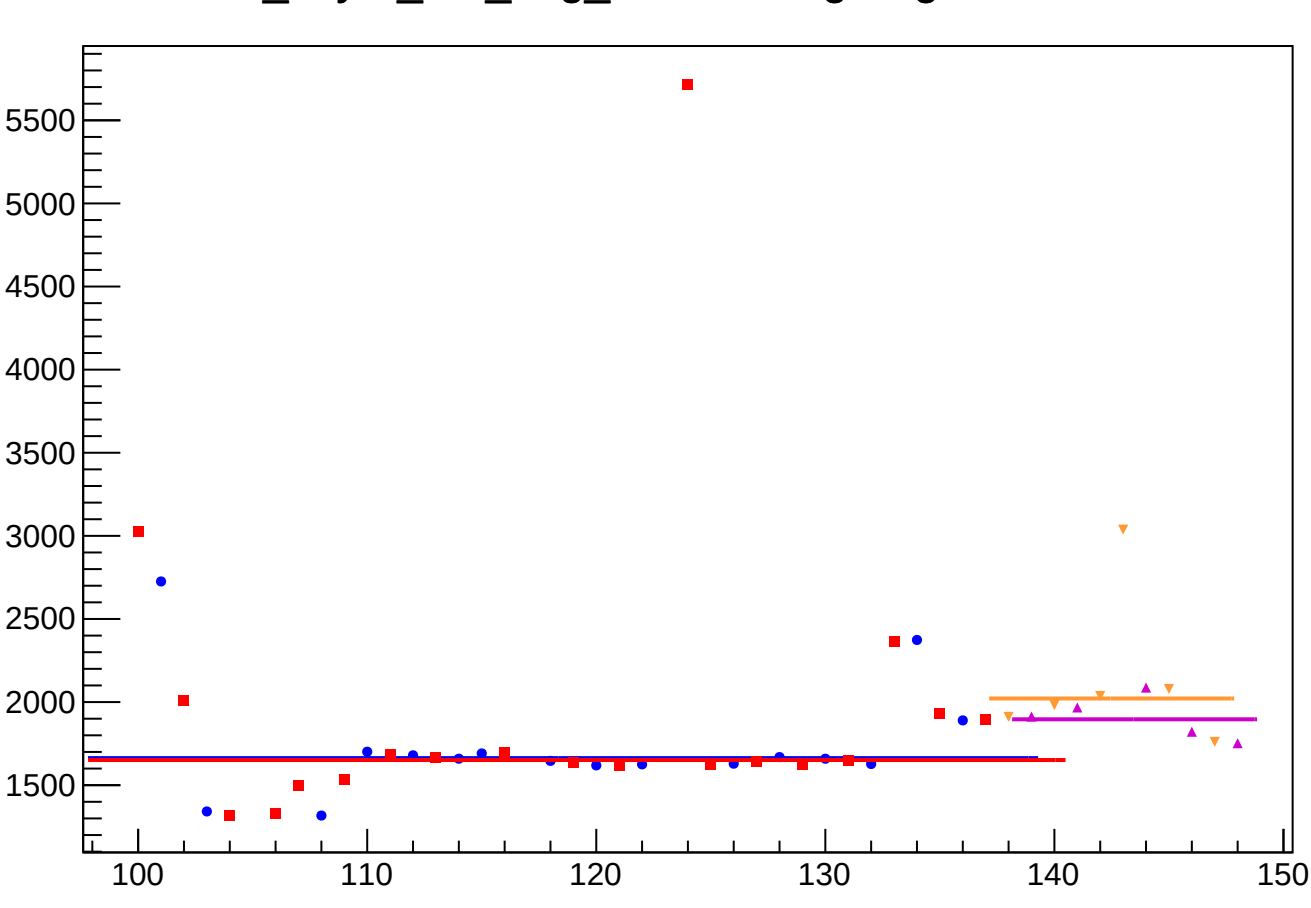
Left: 1873.708+/-660.861 χ^2/NDF: 16.0/10

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3151.170+/-516.583 χ^2/NDF:6.6/20

Out: 1591.058+/-522.210 χ^2/NDF:25.7/24

All: 2379.564+/-367.253 χ^2/NDF: 36.8/45



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

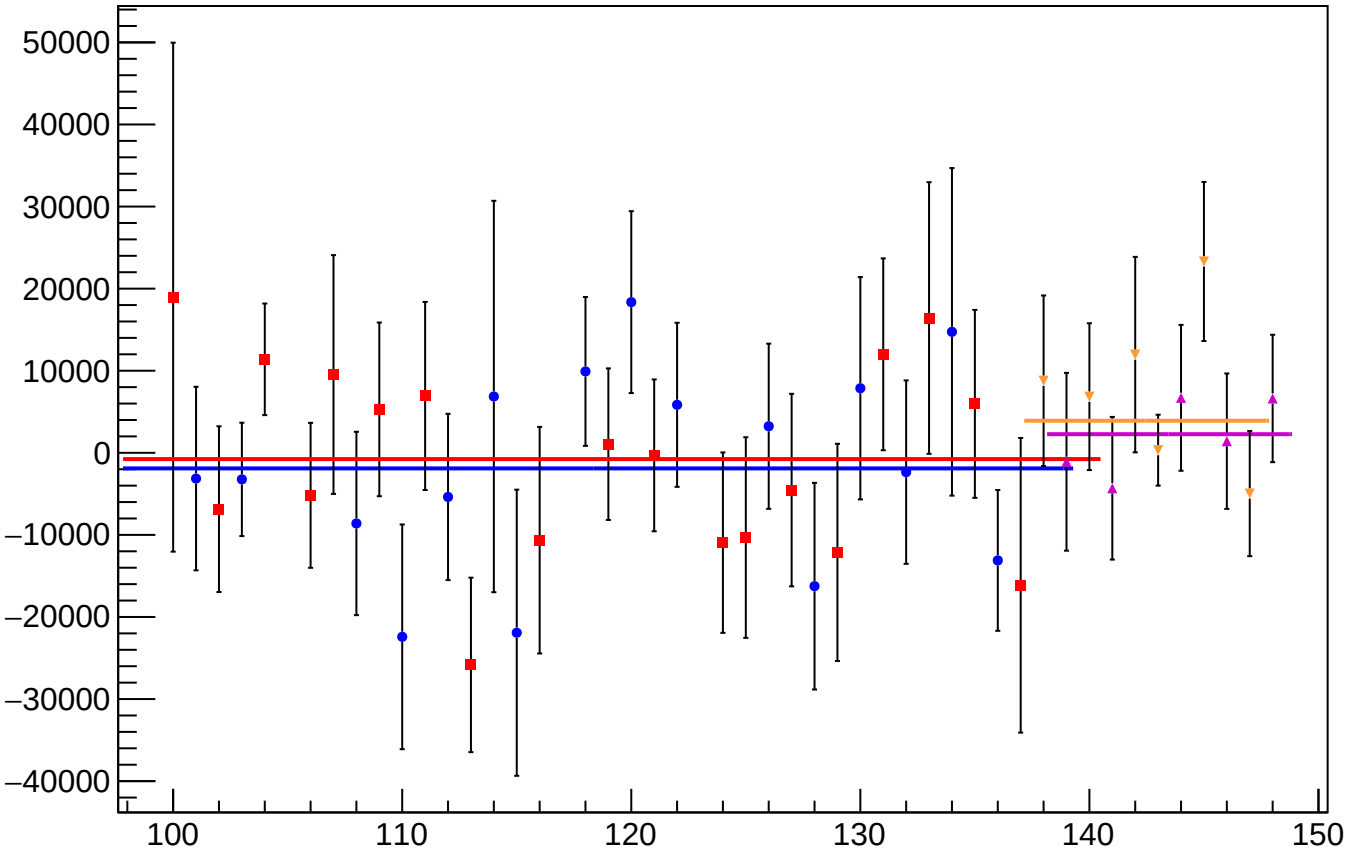
Left: 1955.312+/-0.467 χ^2/NDF: 276051.8/10

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1738.374+/-0.365 χ^2/NDF:536836.1/20

Out: 1760.184+/-0.369 χ^2/NDF:866964.8/24

All: 1749.161+/-0.260 χ^2/NDF: 1405564.1/45



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3911.160+/-3011.168 χ^2/NDF:6.8/5

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2267.409+/-3900.186 χ^2/NDF:1.2/4

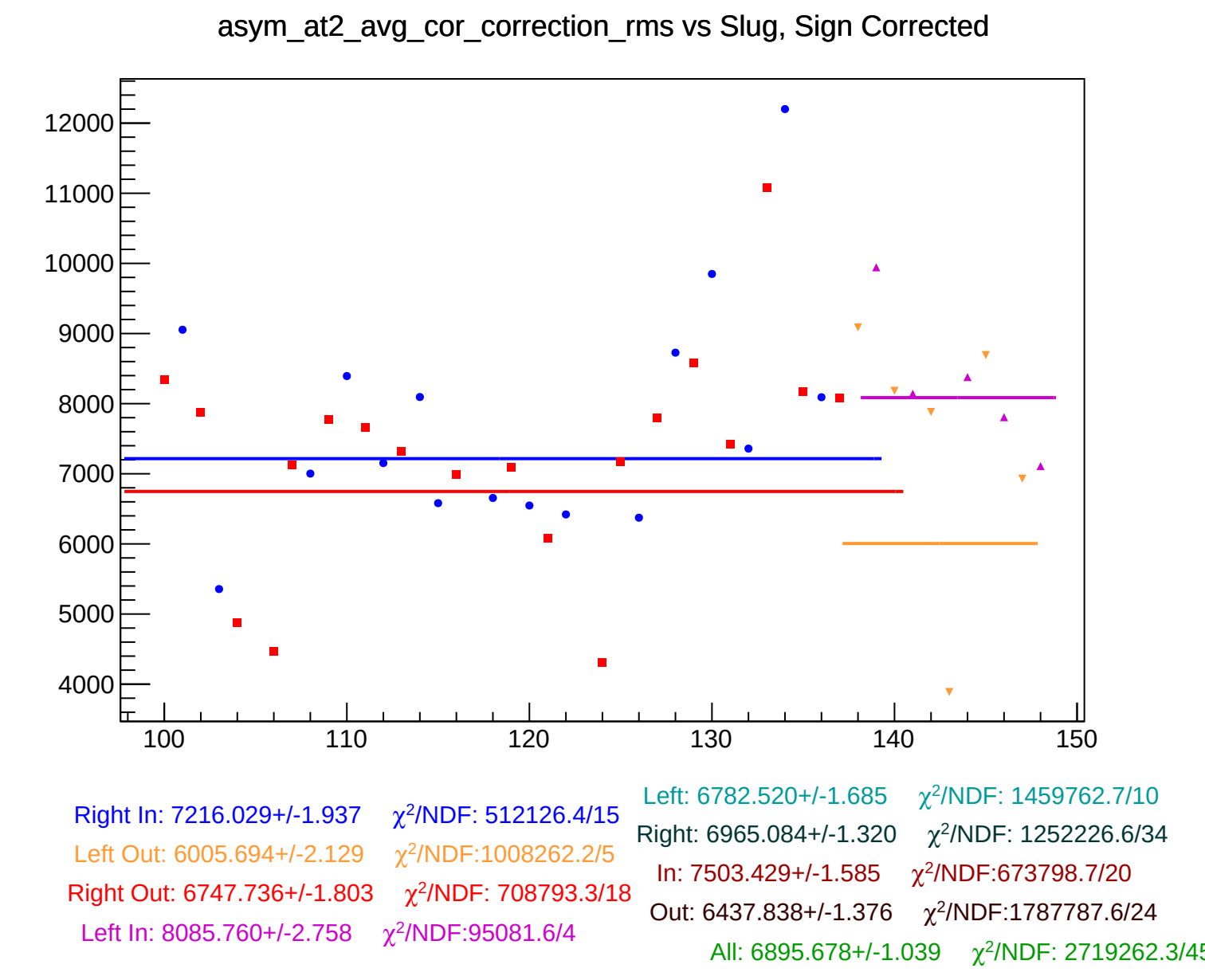
Left: 3297.281+/-2383.464 χ^2/NDF: 8.2/10

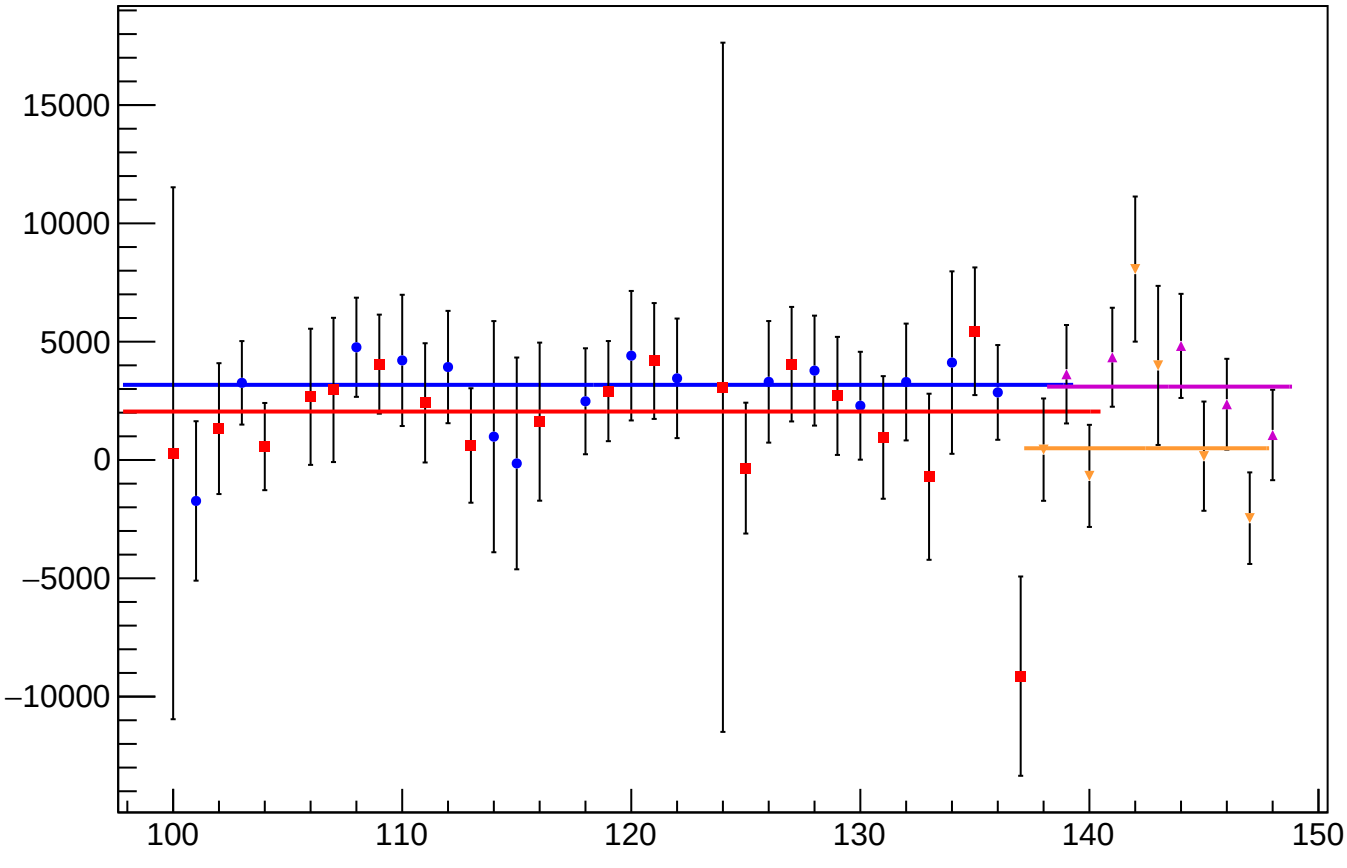
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -522.978+/-2242.002 χ^2/NDF:16.4/20

Out: 1189.349+/-1945.944 χ^2/NDF:25.5/24

All: 453.633+/-1469.595 χ^2/NDF: 42.2/45


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
12000
11000
10000
9000
8000
7000
6000
5000
4000
100
110
120
130
140
150
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 6005.694+/-2.129 χ²/NDF:1008262.2/5
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8085.760+/-2.758 χ²/NDF:95081.6/4
Left: 6782.520+/-1.685 χ²/NDF: 1459762.7/10
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 7503.429+/-1.585 χ²/NDF:673798.7/20
Out: 6437.838+/-1.376 χ²/NDF:1787787.6/24
All: 6895.678+/-1.039 χ²/NDF: 2719262.3/45



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.627+/-963.114 χ^2/NDF:9.8/5

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3099.860+/-908.475 χ^2/NDF:2.3/4

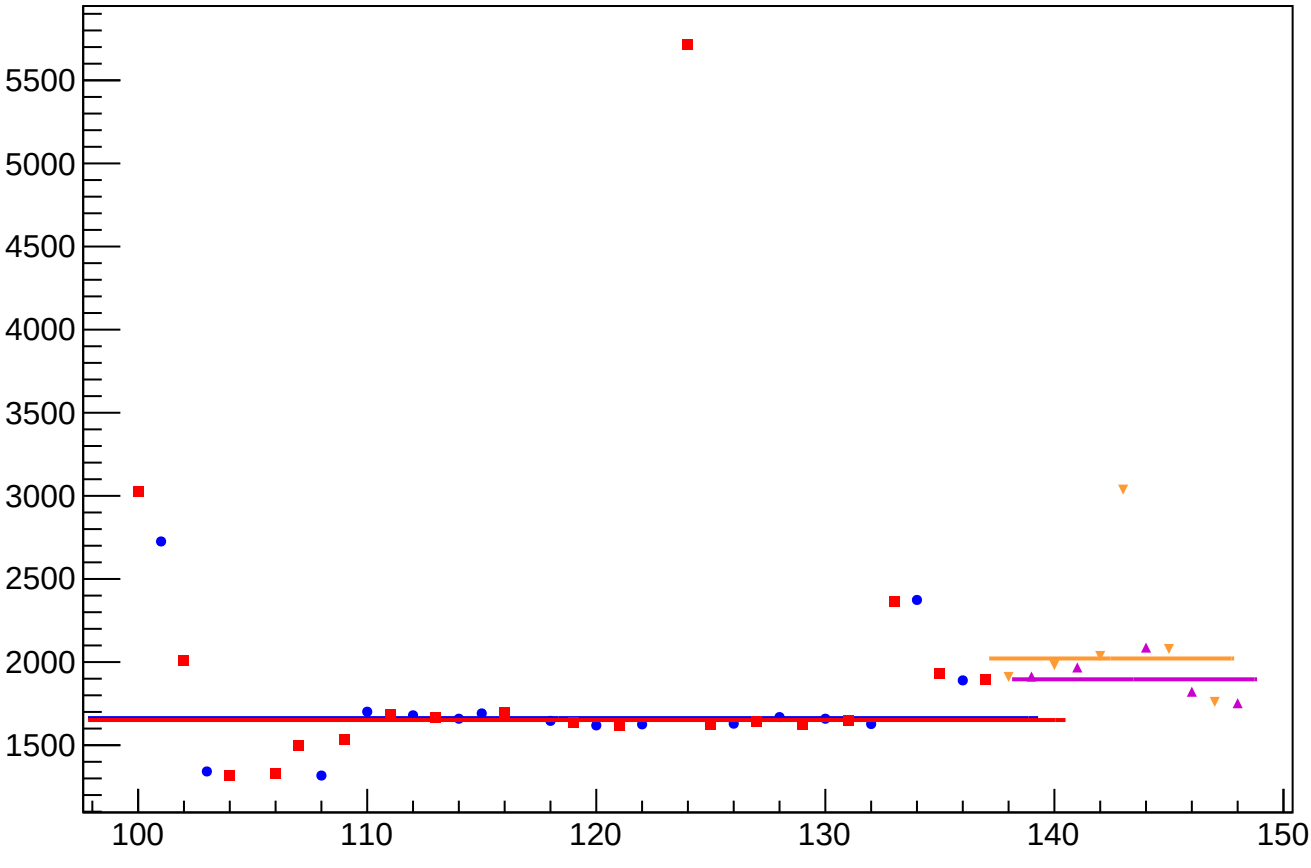
Left: 1873.708+/-660.861 χ^2/NDF: 16.0/10

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3151.170+/-516.583 χ^2/NDF:6.6/20

Out: 1591.058+/-522.210 χ^2/NDF:25.7/24

All: 2379.564+/-367.253 χ^2/NDF: 36.8/45



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

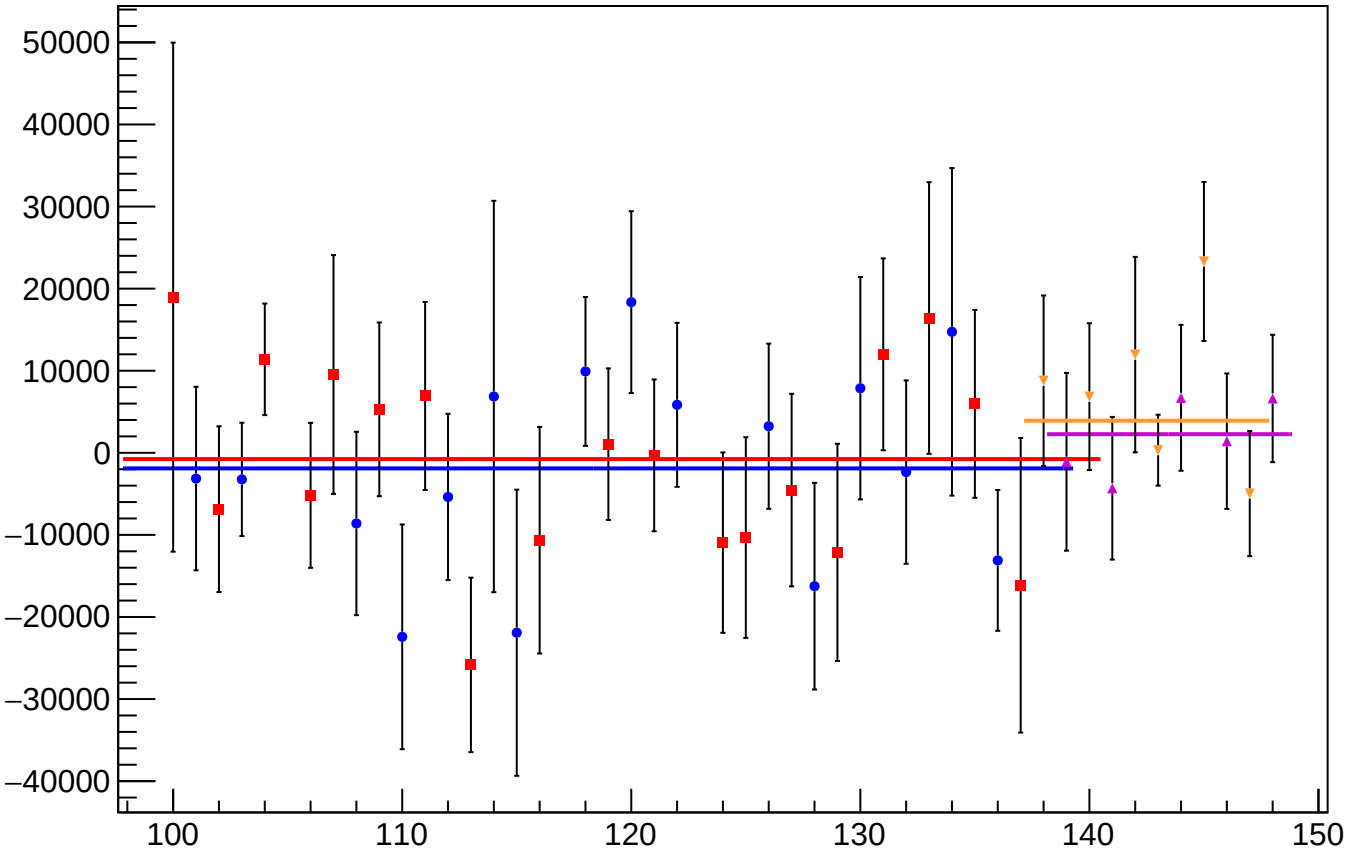
Left: 1955.312+/-0.467 χ^2/NDF: 276051.8/10

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1738.374+/-0.365 χ^2/NDF:536836.1/20

Out: 1760.184+/-0.369 χ^2/NDF:866964.8/24

All: 1749.161+/-0.260 χ^2/NDF: 1405564.1/45



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3911.160+/-3011.168 χ^2/NDF:6.8/5

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2267.409+/-3900.186 χ^2/NDF:1.2/4

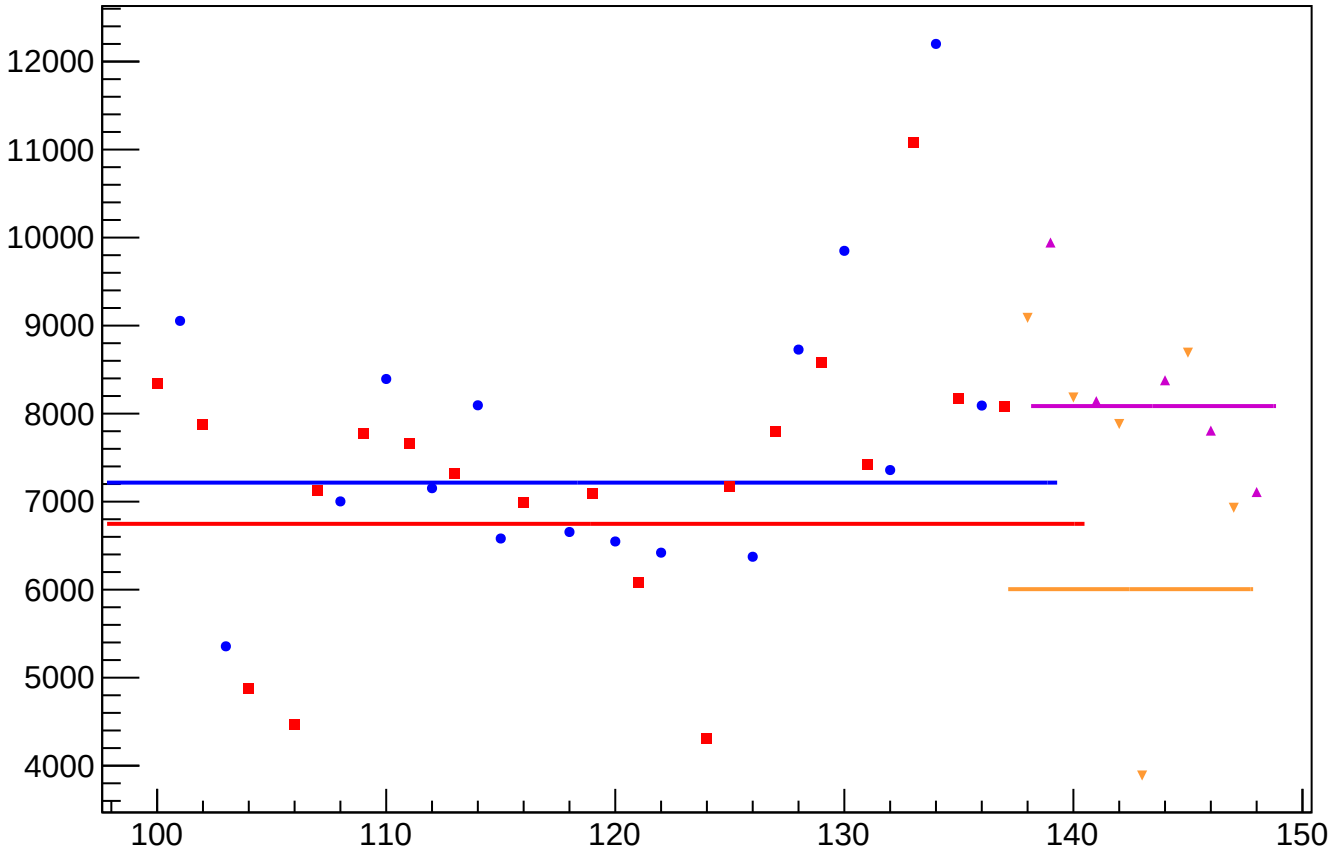
Left: 3297.281+/-2383.464 χ^2/NDF: 8.2/10

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -522.978+/-2242.002 χ^2/NDF:16.4/20

Out: 1189.349+/-1945.944 χ^2/NDF:25.5/24

All: 453.633+/-1469.595 χ^2/NDF: 42.2/45



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6005.694+/-2.129 χ^2/NDF:1008262.2/5

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8085.760+/-2.758 χ^2/NDF:95081.6/4

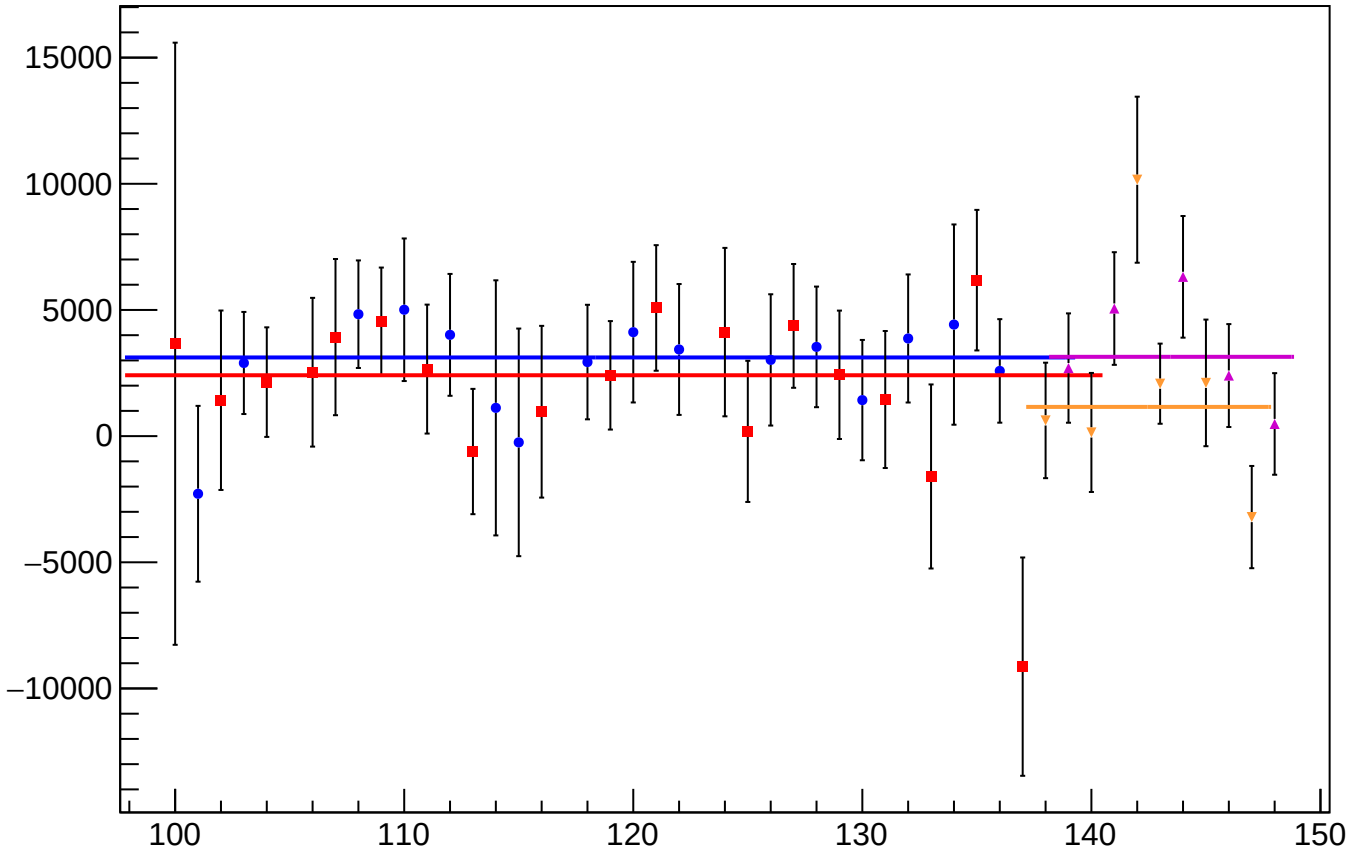
Left: 6782.520+/-1.685 χ^2/NDF: 1459762.7/10

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7503.429+/-1.585 χ^2/NDF:673798.7/20

Out: 6437.838+/-1.376 χ^2/NDF:1787787.6/24

All: 6895.678+/-1.039 χ^2/NDF: 2719262.3/45



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 1157.919+/-890.126 χ^2/NDF:12.9/5

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3142.719+/-965.352 χ^2/NDF:4.4/4

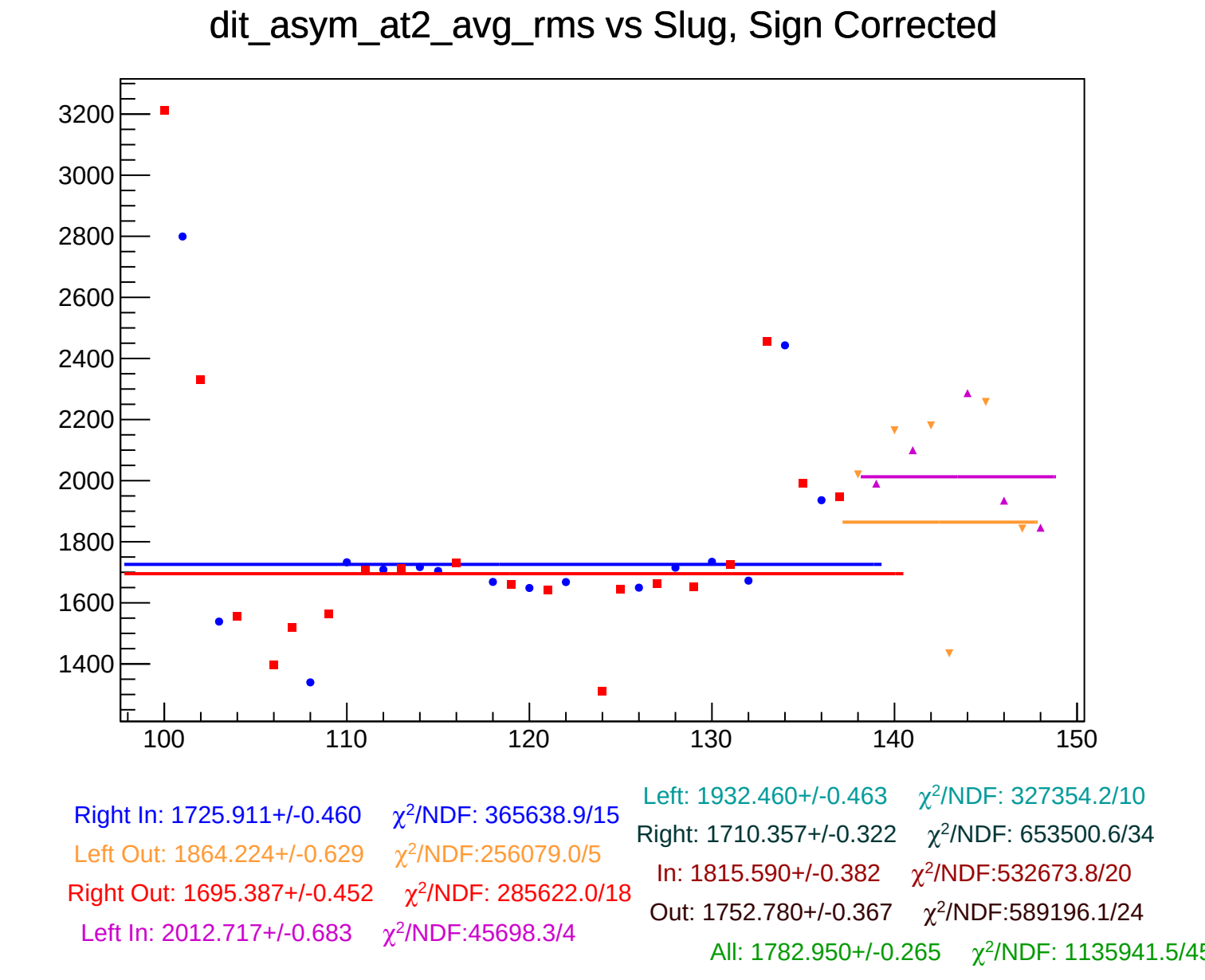
Left: 2069.982+/-654.395 χ^2/NDF: 19.5/10

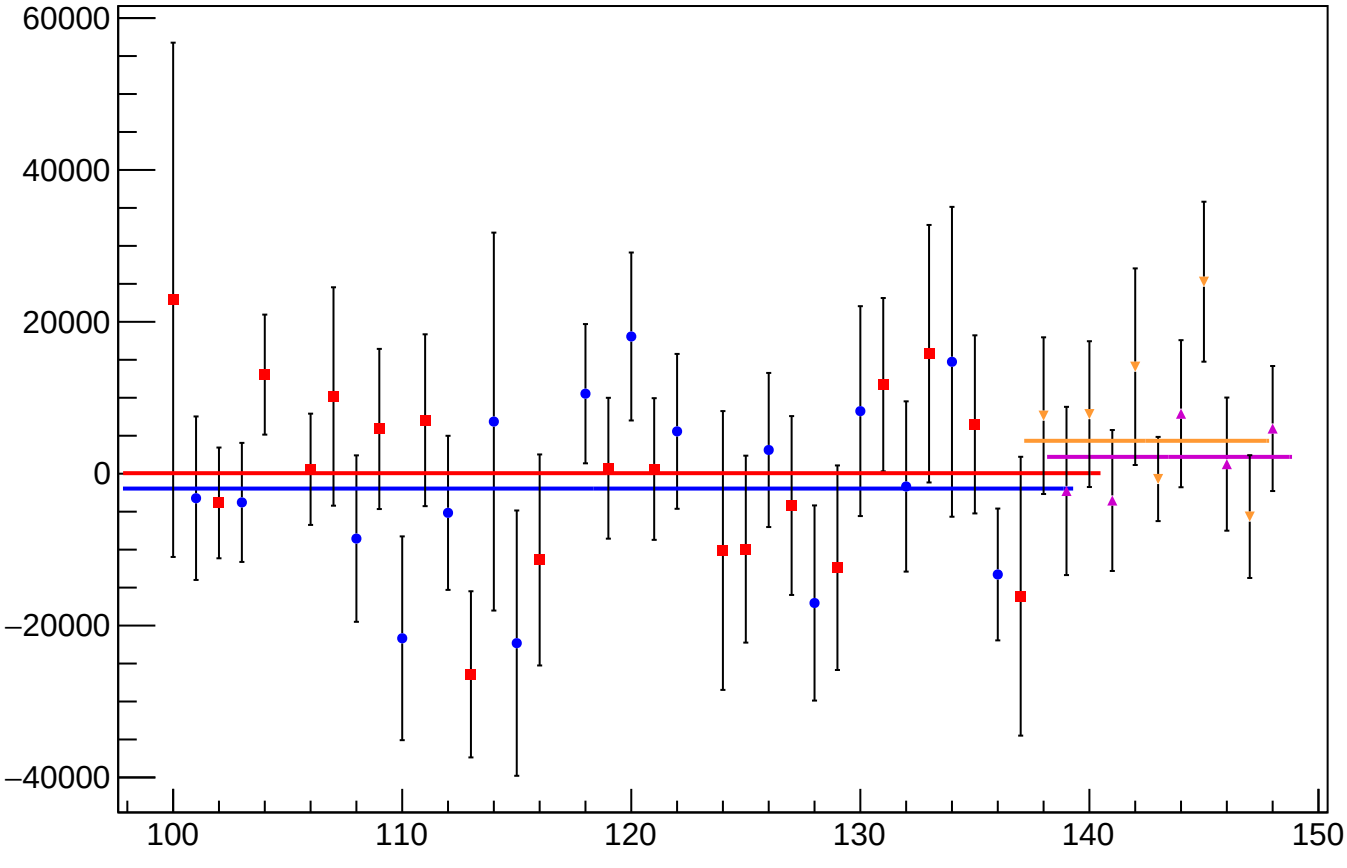
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3125.646+/-539.807 χ^2/NDF:9.7/20

Out: 1985.803+/-519.102 χ^2/NDF:30.2/24

All: 2533.446+/-374.166 χ^2/NDF: 42.2/45


dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 1725.911+/-0.460 χ²/NDF: 365638.9/15
Left Out: 1864.224+/-0.629 χ²/NDF:256079.0/5
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.0/18
Left In: 2012.717+/-0.683 χ²/NDF:45698.3/4
Left: 1932.460+/-0.463 χ²/NDF: 327354.2/10
Right: 1710.357+/-0.322 χ²/NDF: 653500.6/34
In: 1815.590+/-0.382 χ²/NDF:532673.8/20
Out: 1752.780+/-0.367 χ²/NDF:589196.1/24
All: 1782.950+/-0.265 χ²/NDF: 1135941.5/45



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 4331.587+/-3469.823 χ^2/NDF:7.1/5

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 2214.884+/-4145.524 χ^2/NDF:1.1/4

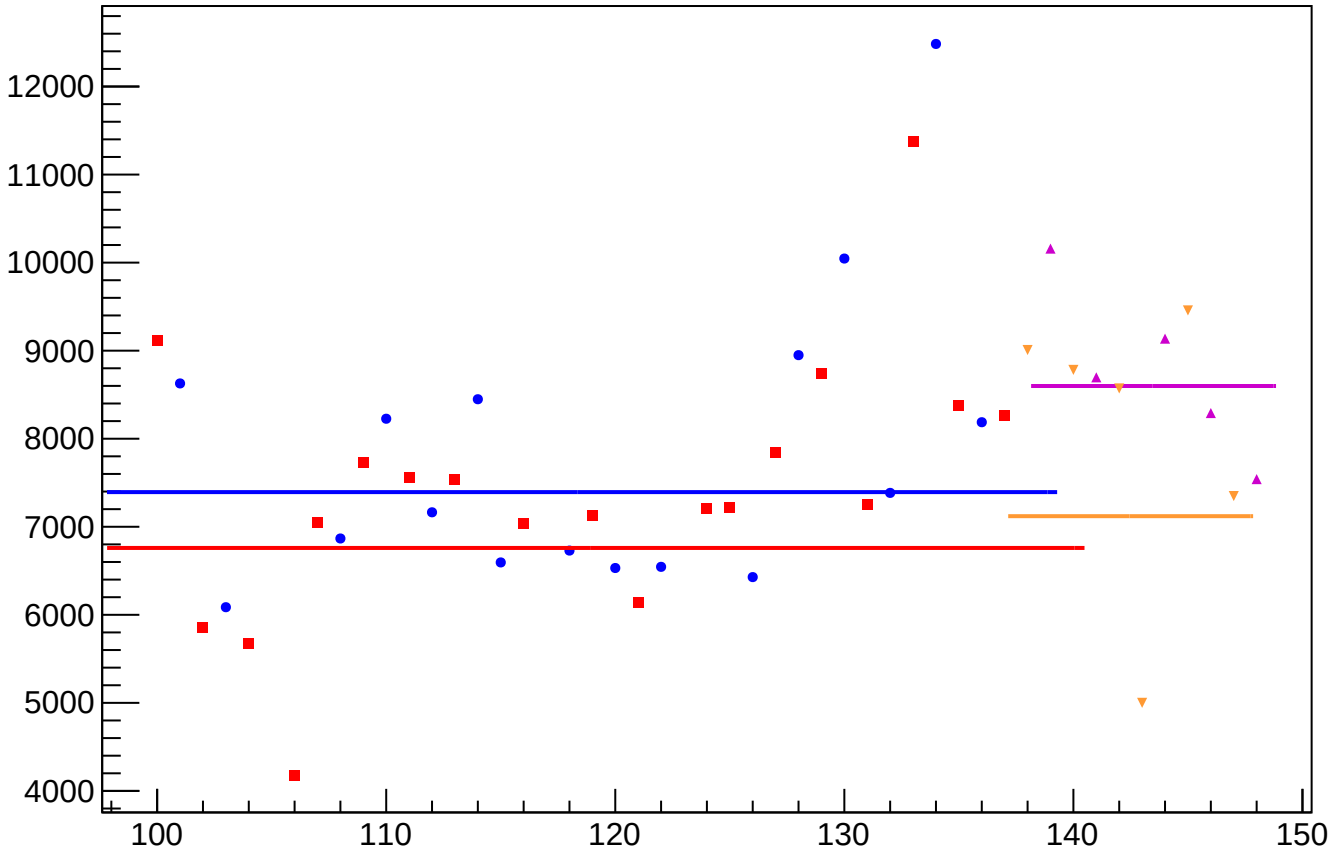
Left: 3459.581+/-2660.781 χ^2/NDF: 8.4/10

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -652.179+/-2319.354 χ^2/NDF:16.2/20

Out: 1547.673+/-2044.032 χ^2/NDF:24.2/24

All: 586.003+/-1533.498 χ^2/NDF: 40.9/45



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7120.193+/-2.454 χ^2/NDF:544451.2/5

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8598.716+/-2.931 χ^2/NDF:81534.1/4

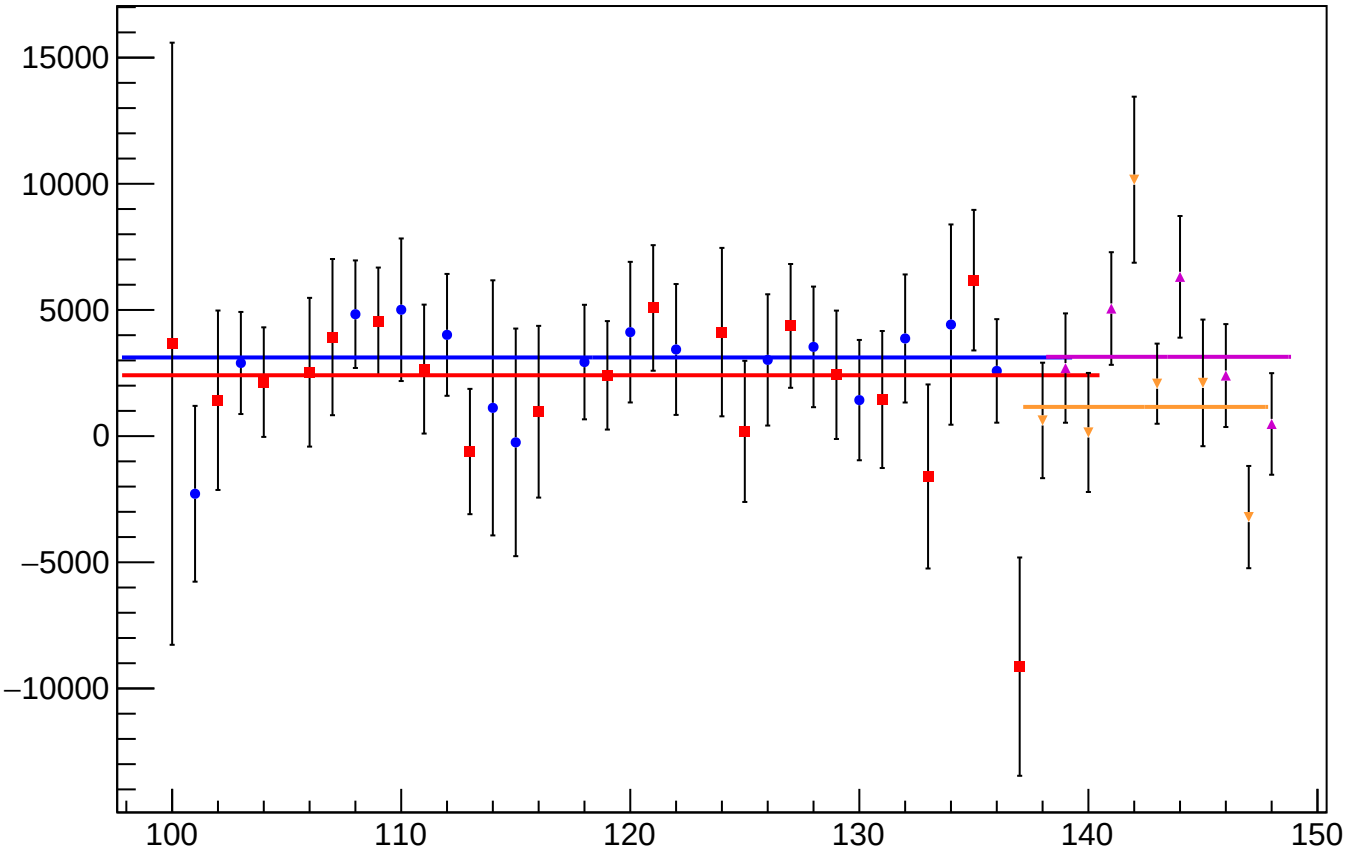
Left: 7729.292+/-1.881 χ^2/NDF: 775585.1/10

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7770.844+/-1.640 χ^2/NDF:599467.2/20

Out: 6884.622+/-1.445 χ^2/NDF:1202859.7/24

All: 7272.036+/-1.084 χ^2/NDF: 1966677.6/45



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 1157.922+/-890.127 χ^2/NDF:12.9/5

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3142.712+/-965.354 χ^2/NDF:4.4/4

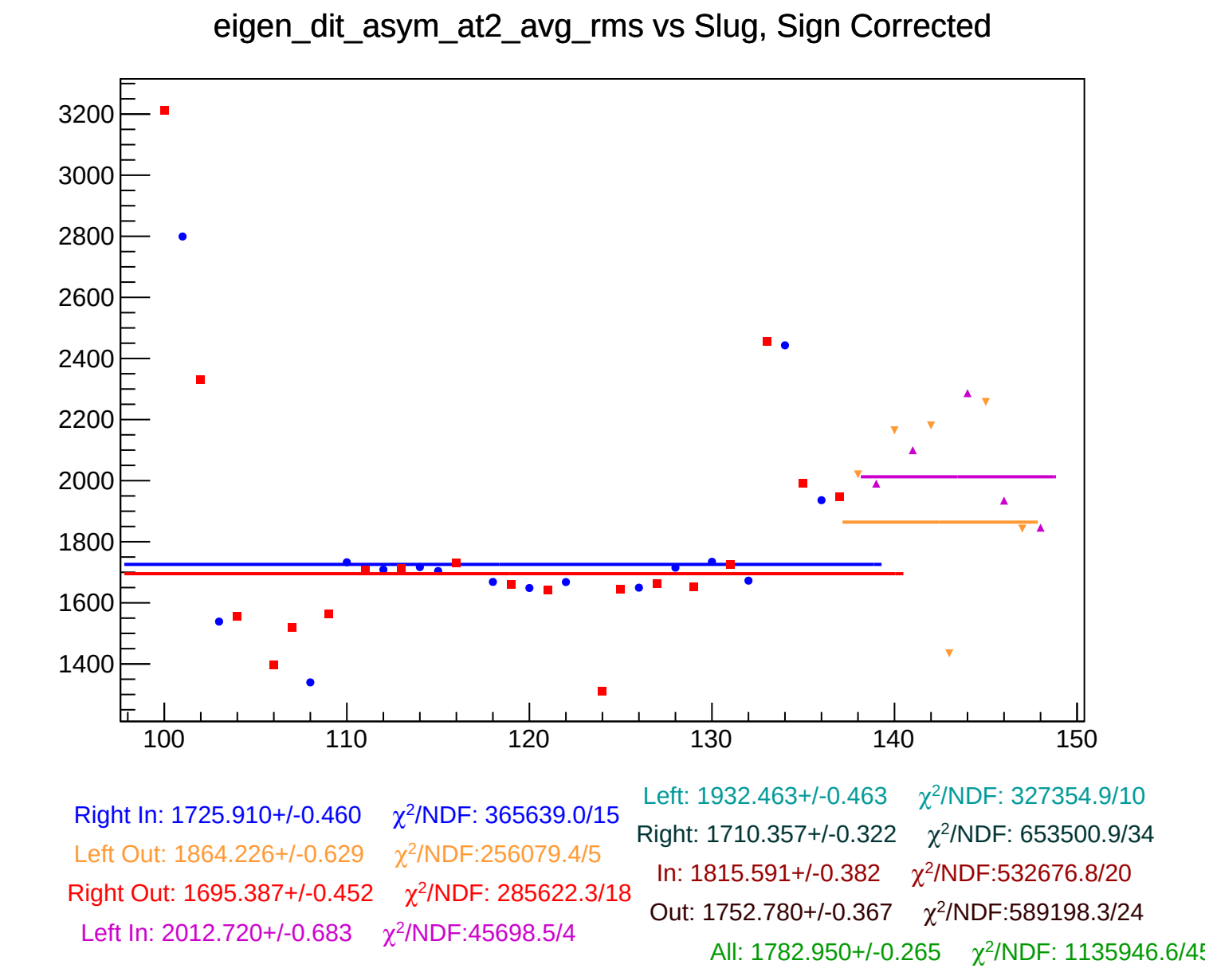
Left: 2069.980+/-654.396 χ^2/NDF: 19.5/10

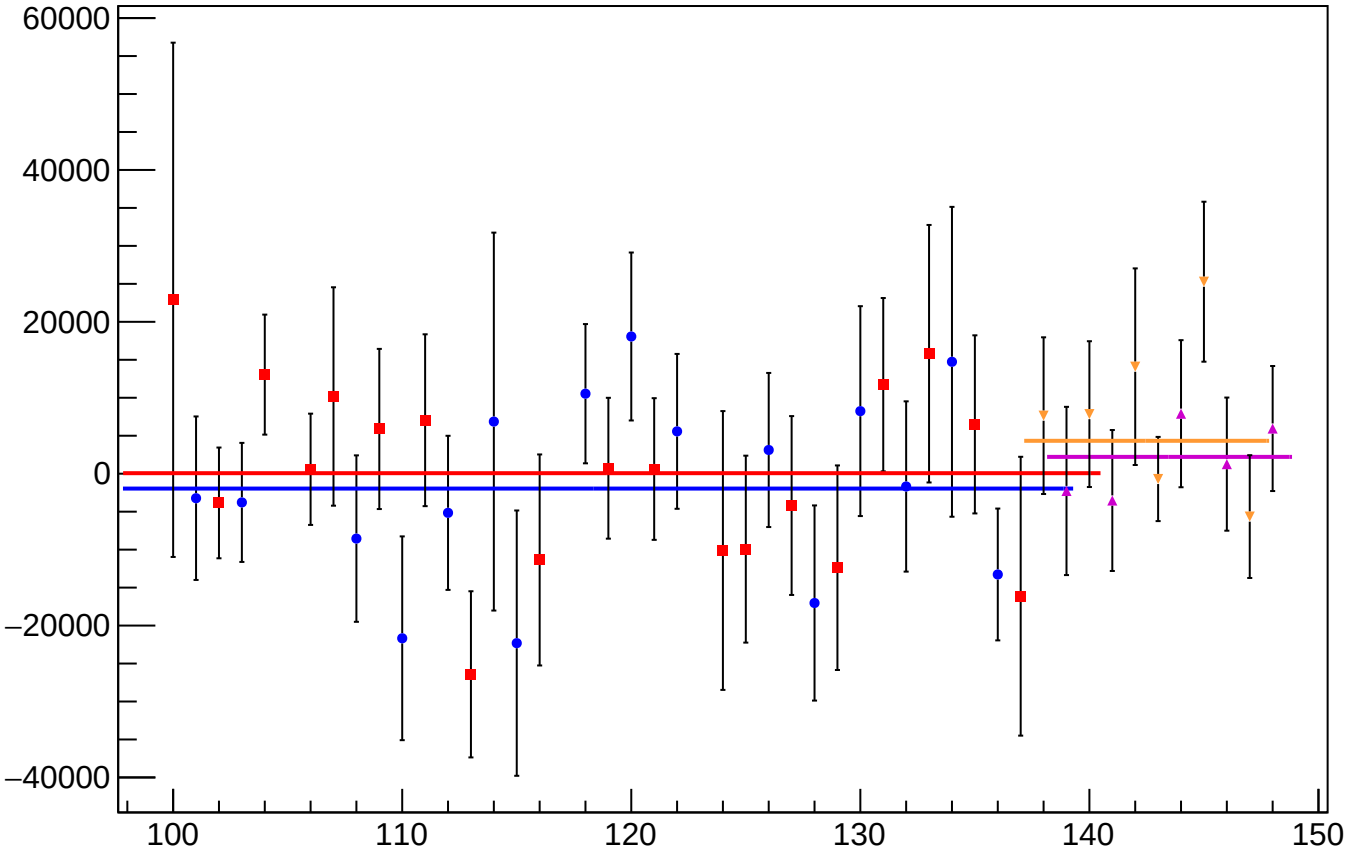
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3125.645+/-539.807 χ^2/NDF:9.7/20

Out: 1985.810+/-519.103 χ^2/NDF:30.2/24

All: 2533.450+/-374.166 χ^2/NDF: 42.2/45


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1864.226+/-0.629 χ²/NDF:256079.4/5
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 2012.720+/-0.683 χ²/NDF:45698.5/4
Left: 1932.463+/-0.463 χ²/NDF: 327354.9/10
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1815.591+/-0.382 χ²/NDF:532676.8/20
Out: 1752.780+/-0.367 χ²/NDF:589198.3/24
All: 1782.950+/-0.265 χ²/NDF: 1135946.6/45



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 4331.586+/-3469.829 χ^2/NDF:7.1/5

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2214.877+/-4145.530 χ^2/NDF:1.1/4

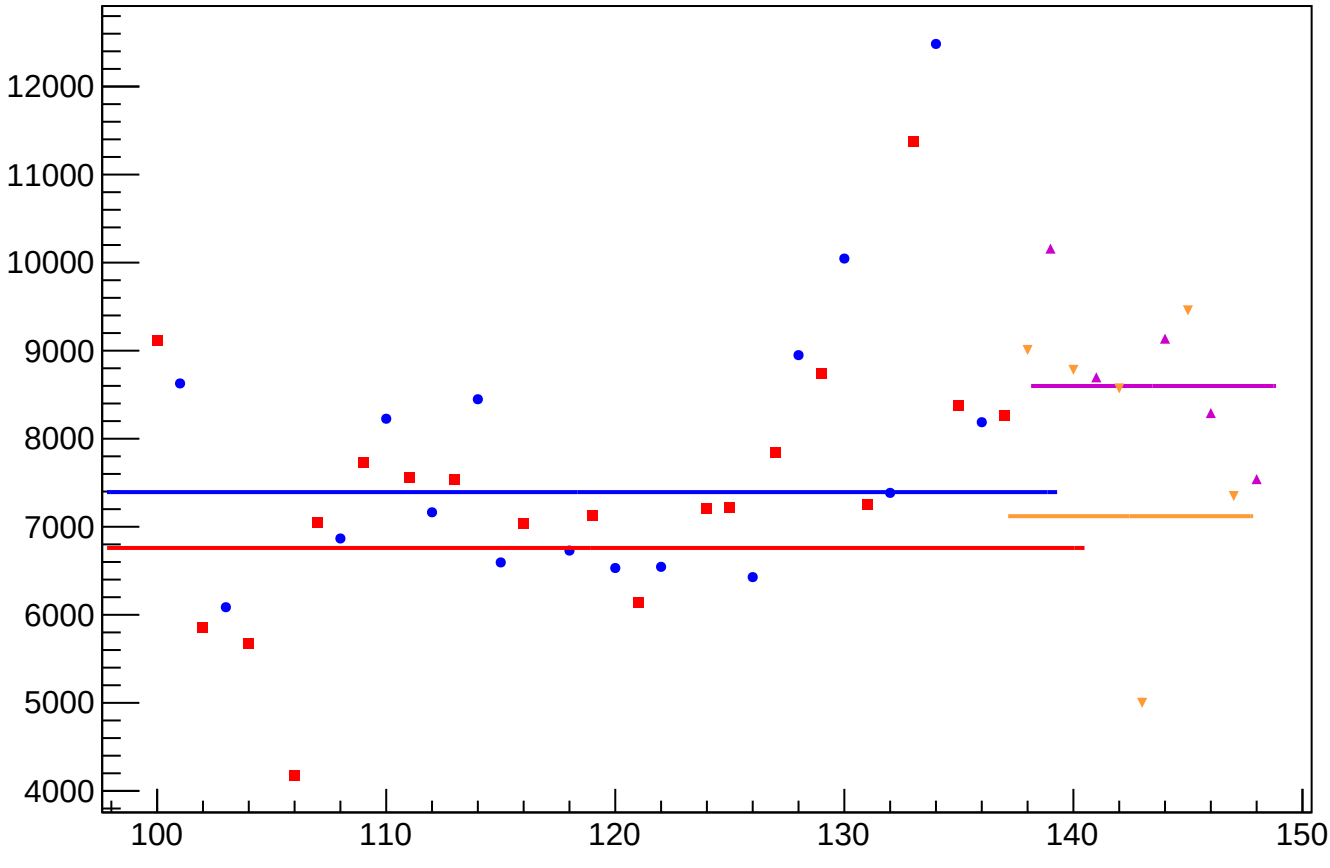
Left: 3459.578+/-2660.785 χ^2/NDF: 8.4/10

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -652.173+/-2319.351 χ^2/NDF:16.2/20

Out: 1547.670+/-2044.030 χ^2/NDF:24.2/24

All: 586.004+/-1533.496 χ^2/NDF: 40.9/45



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7120.205+/-2.454 χ^2/NDF:544451.4/5

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8598.729+/-2.931 χ^2/NDF:81535.0/4

Left: 7729.304+/-1.881 χ^2/NDF: 775585.8/10

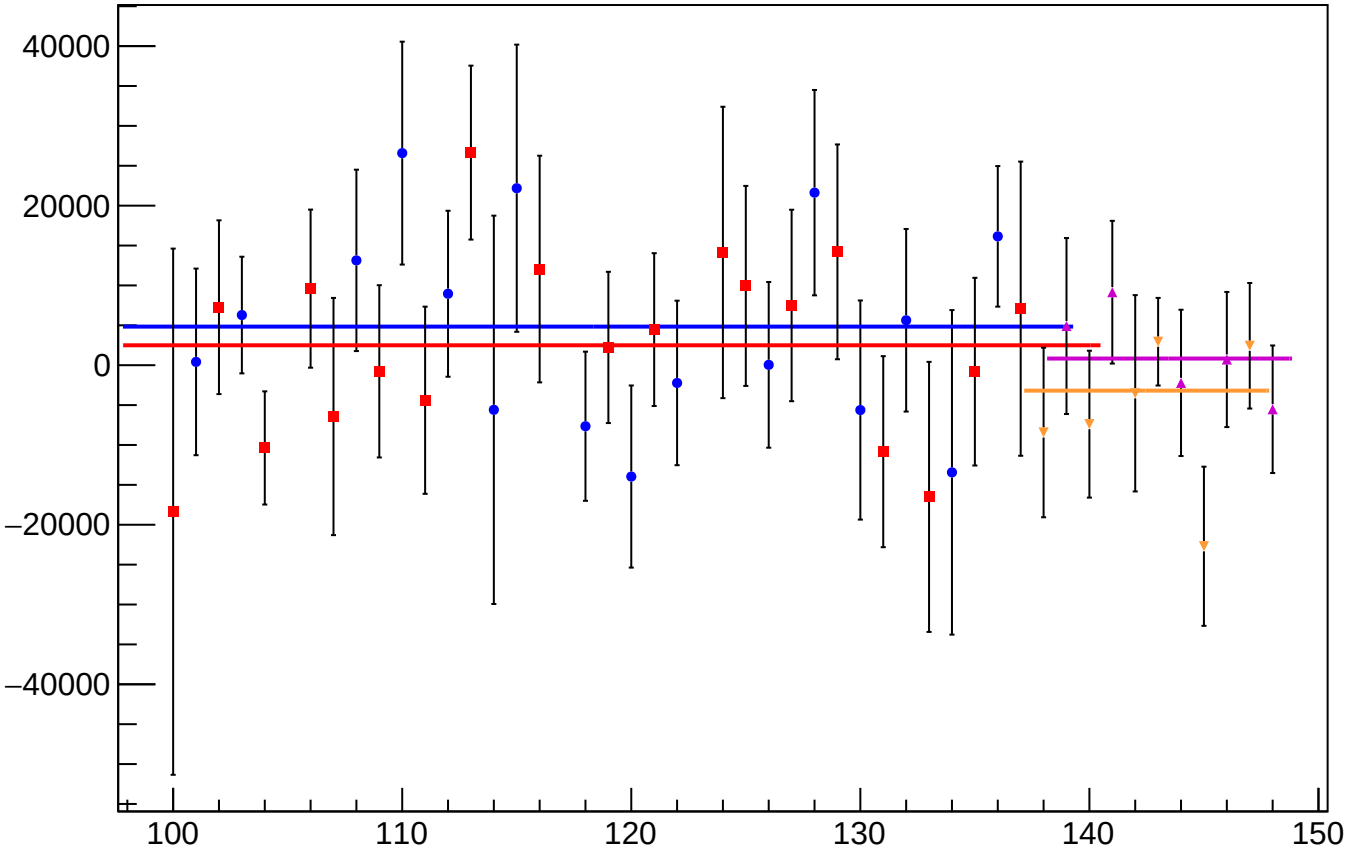
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7770.833+/-1.640 χ^2/NDF:599475.9/20

Out: 6884.616+/-1.445 χ^2/NDF:1202860.8/24

All: 7272.028+/-1.084 χ^2/NDF: 1966686.2/45

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -3187.580+/-3397.779 χ^2/NDF:6.0/5

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 833.952+/-4009.794 χ^2/NDF:1.7/4

Left: -1506.821+/-2592.263 χ^2/NDF: 8.4/10

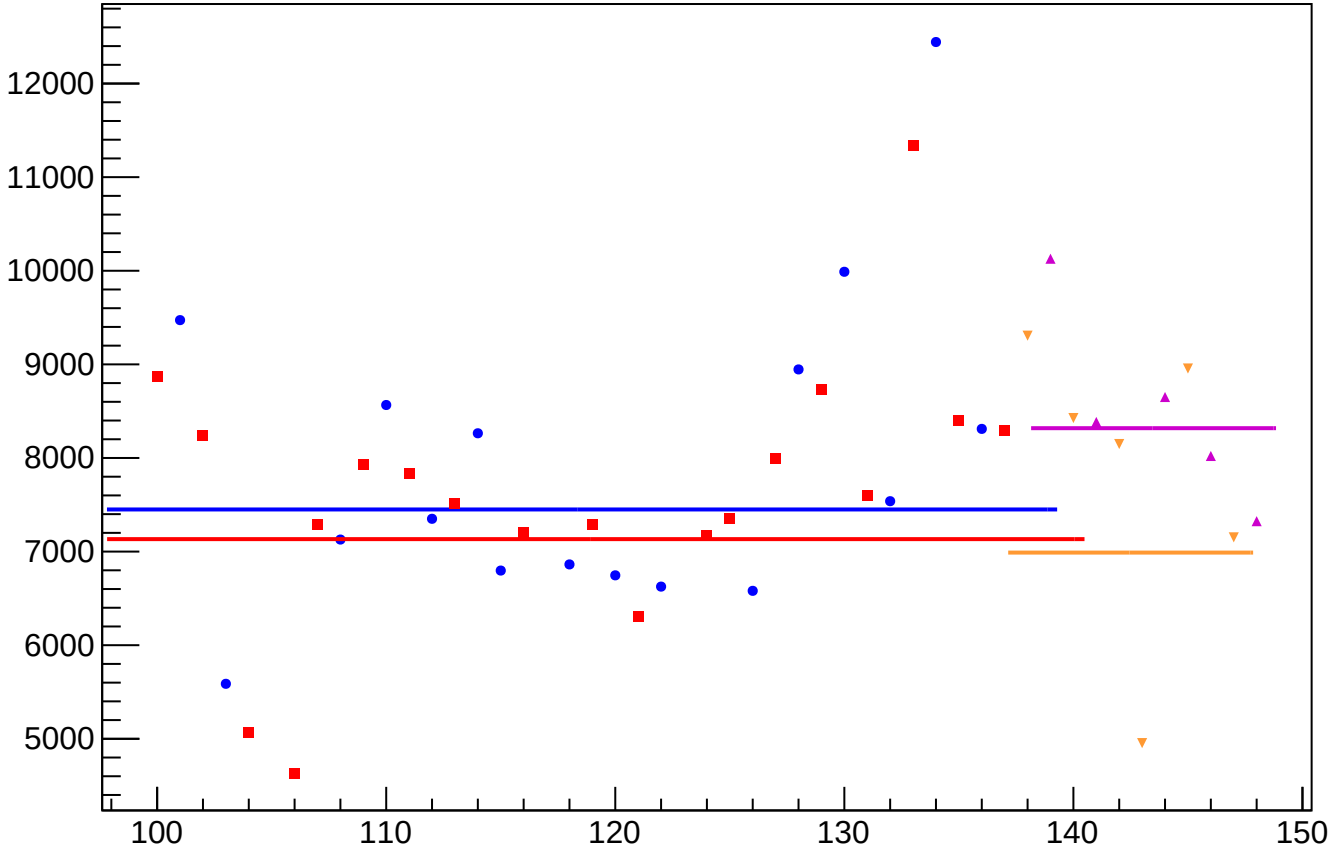
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3507.238+/-2311.549 χ^2/NDF:16.7/20

Out: 300.556+/-2111.718 χ^2/NDF:22.7/24

All: 1759.323+/-1559.079 χ^2/NDF: 40.5/45

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6989.357+/-2.403 χ^2/NDF:514936.9/5

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8318.307+/-2.835 χ^2/NDF:89964.0/4

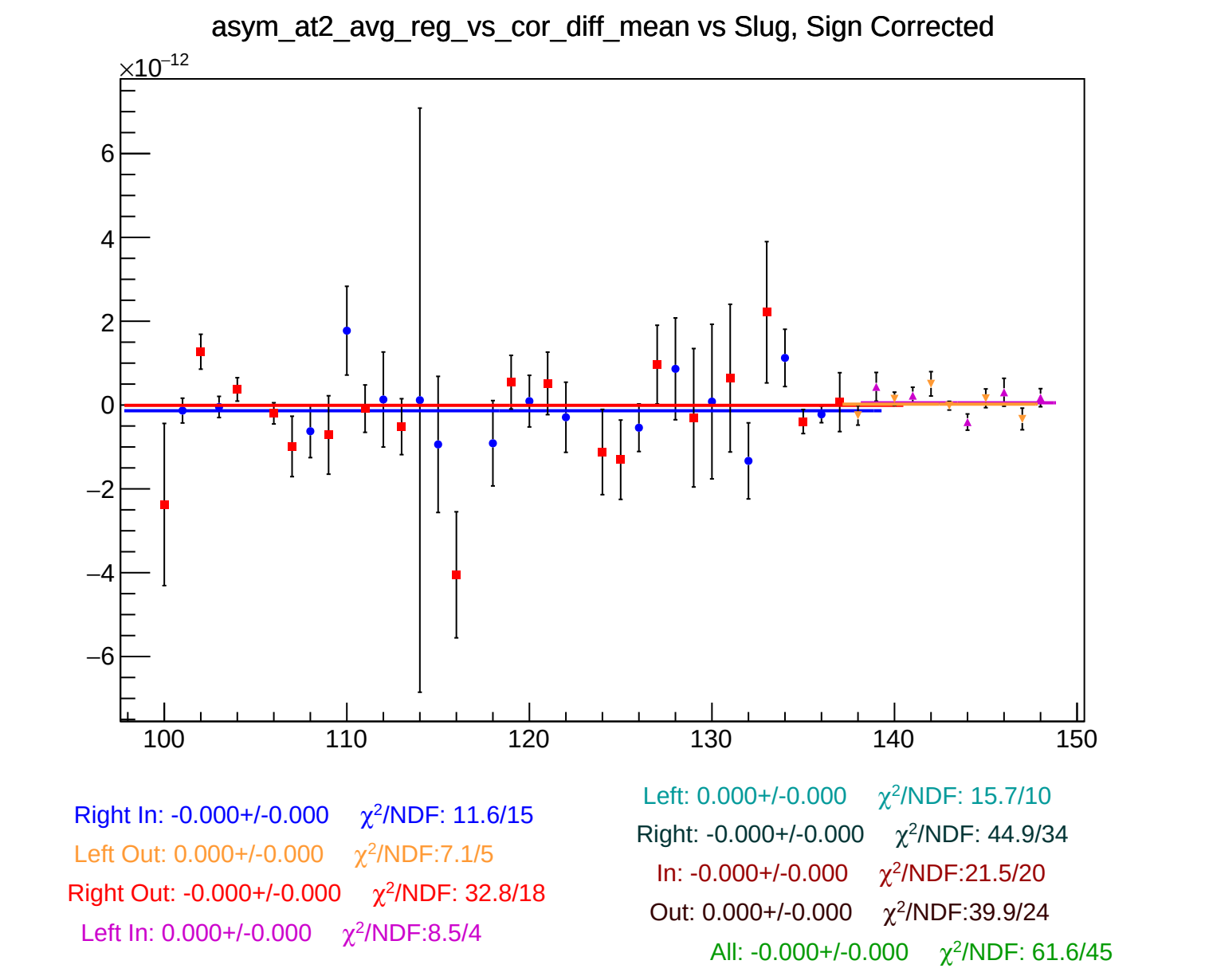
Left: 7544.778+/-1.833 χ^2/NDF: 732771.7/10

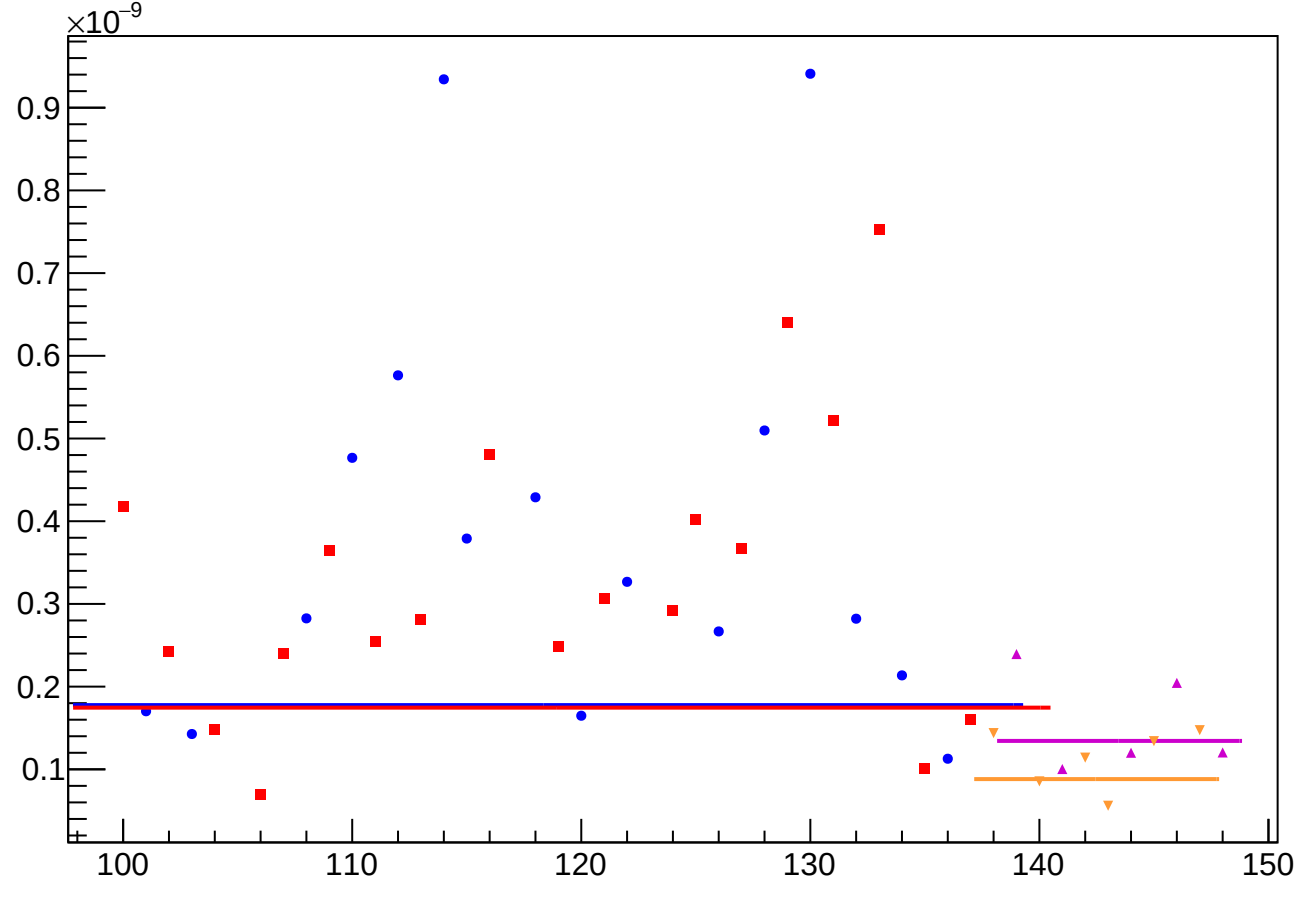
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7738.547+/-1.635 χ^2/NDF:639012.1/20

Out: 7077.591+/-1.493 χ^2/NDF:1074127.3/24

All: 7378.257+/-1.102 χ^2/NDF: 1802275.2/45


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:7.1/5
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: 0.000+/-0.000 χ²/NDF:8.5/4
Left: 0.000+/-0.000 χ²/NDF: 15.7/10
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:21.5/20
Out: 0.000+/-0.000 χ²/NDF:39.9/24
All: -0.000+/-0.000 χ²/NDF: 61.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:512596.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:352648.7/4

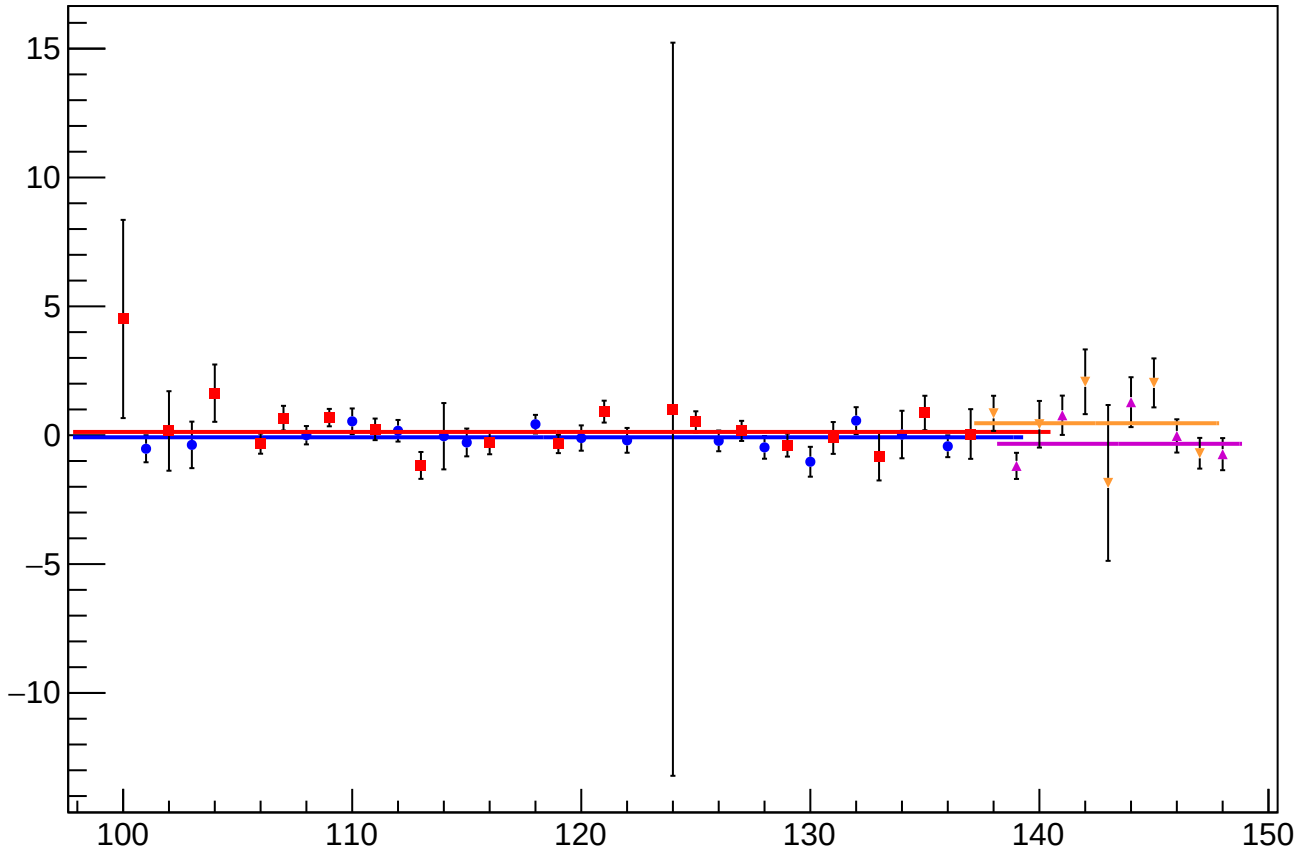
Left: 0.000+/-0.000 χ^2/NDF: 1130147.9/10

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2030260.9/20

Out: 0.000+/-0.000 χ^2/NDF:2893727.6/24

All: 0.000+/-0.000 χ^2/NDF: 5299293.8/45



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.465+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.333+/-0.293 χ^2/NDF:8.4/4

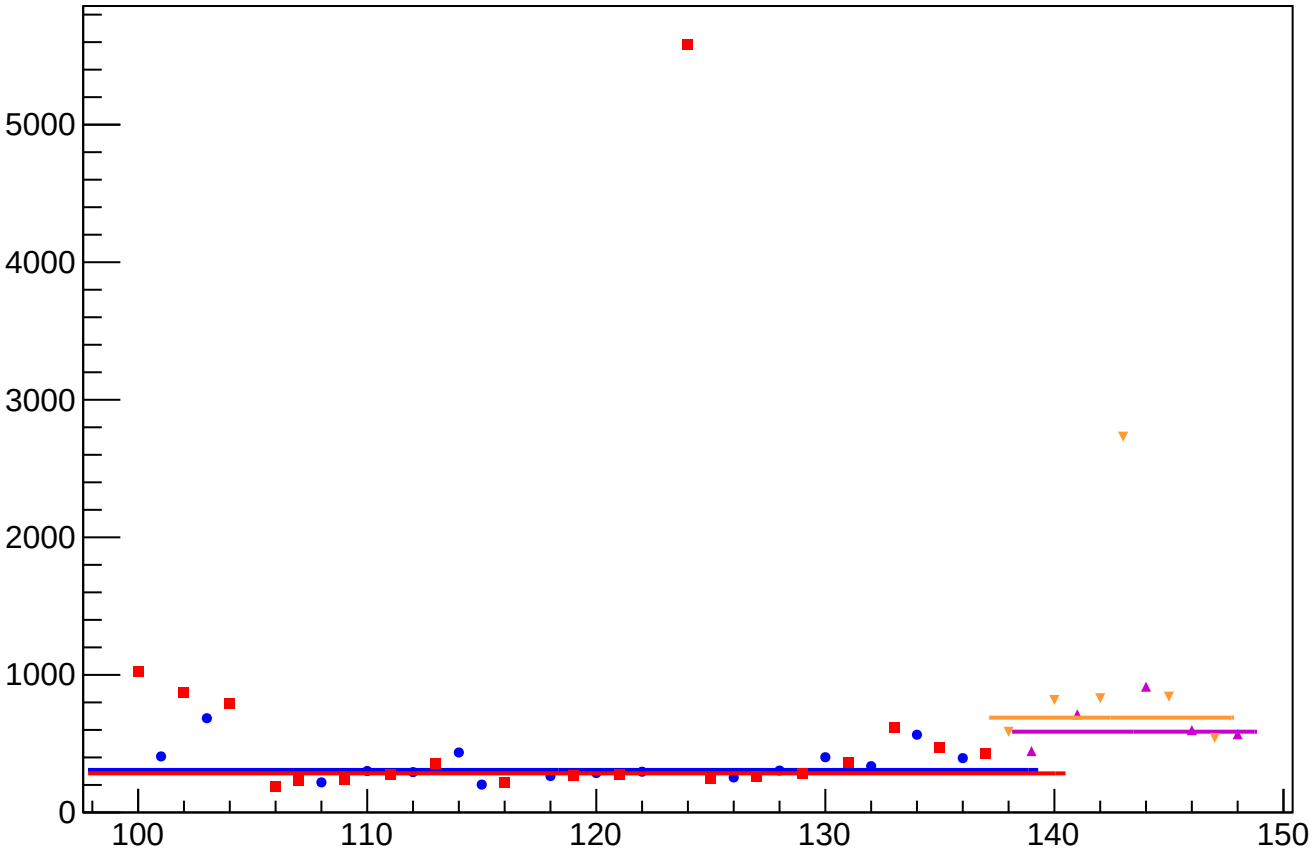
Left: -0.007+/-0.225 χ^2/NDF: 20.5/10

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.024+/-0.079 χ^2/NDF: 58.1/45



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 689.339+/-0.249 χ^2/NDF:1197766.5/5

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

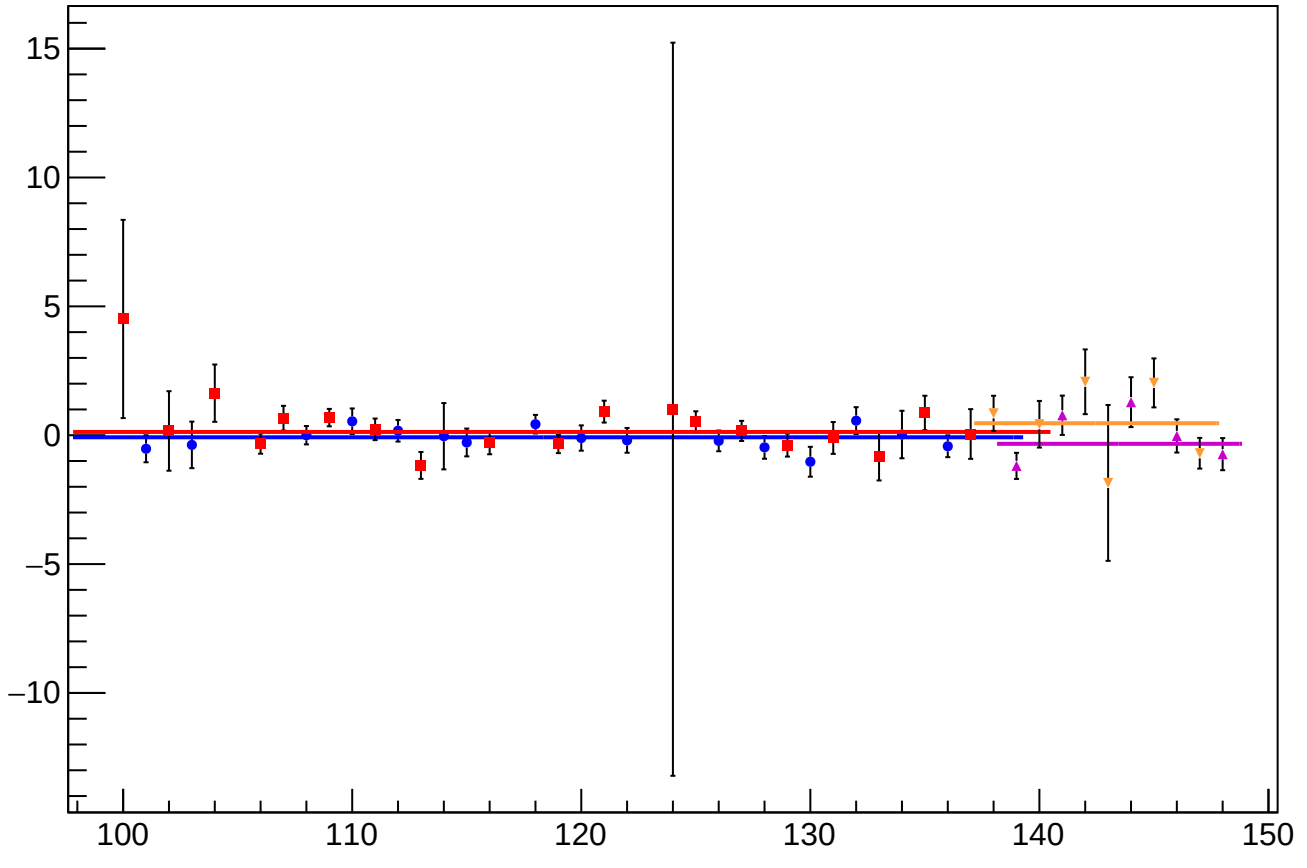
Left: 628.860+/-0.159 χ^2/NDF: 1736904.2/10

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 350.124+/-0.080 χ^2/NDF:2990689.6/20

Out: 324.307+/-0.078 χ^2/NDF:5432585.3/24

All: 337.037+/-0.056 χ^2/NDF: 8476650.5/45



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.465+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.333+/-0.293 χ^2/NDF:8.4/4

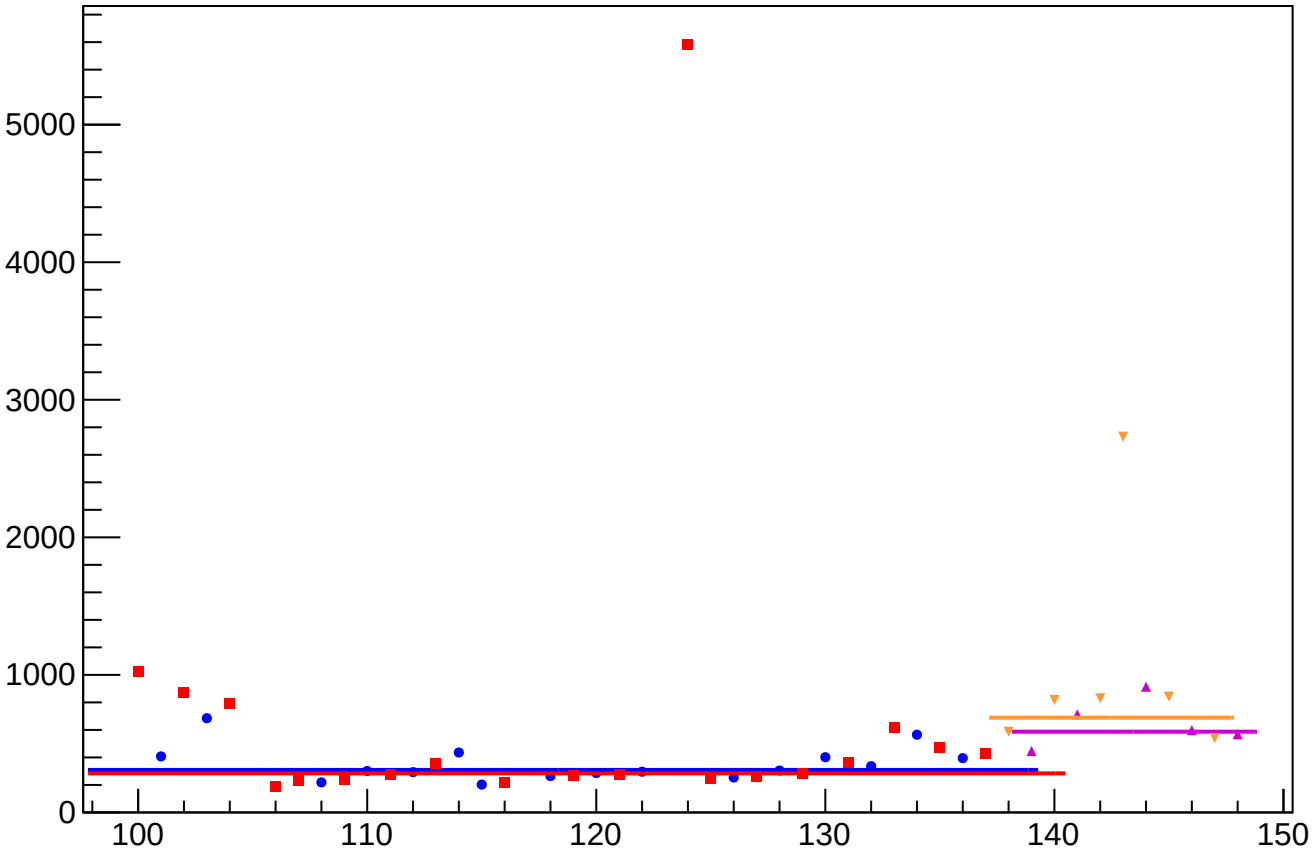
Left: -0.007+/-0.225 χ^2/NDF: 20.5/10

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.024+/-0.079 χ^2/NDF: 58.1/45



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 689.339+/-0.249 χ^2/NDF:1197766.5/5

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

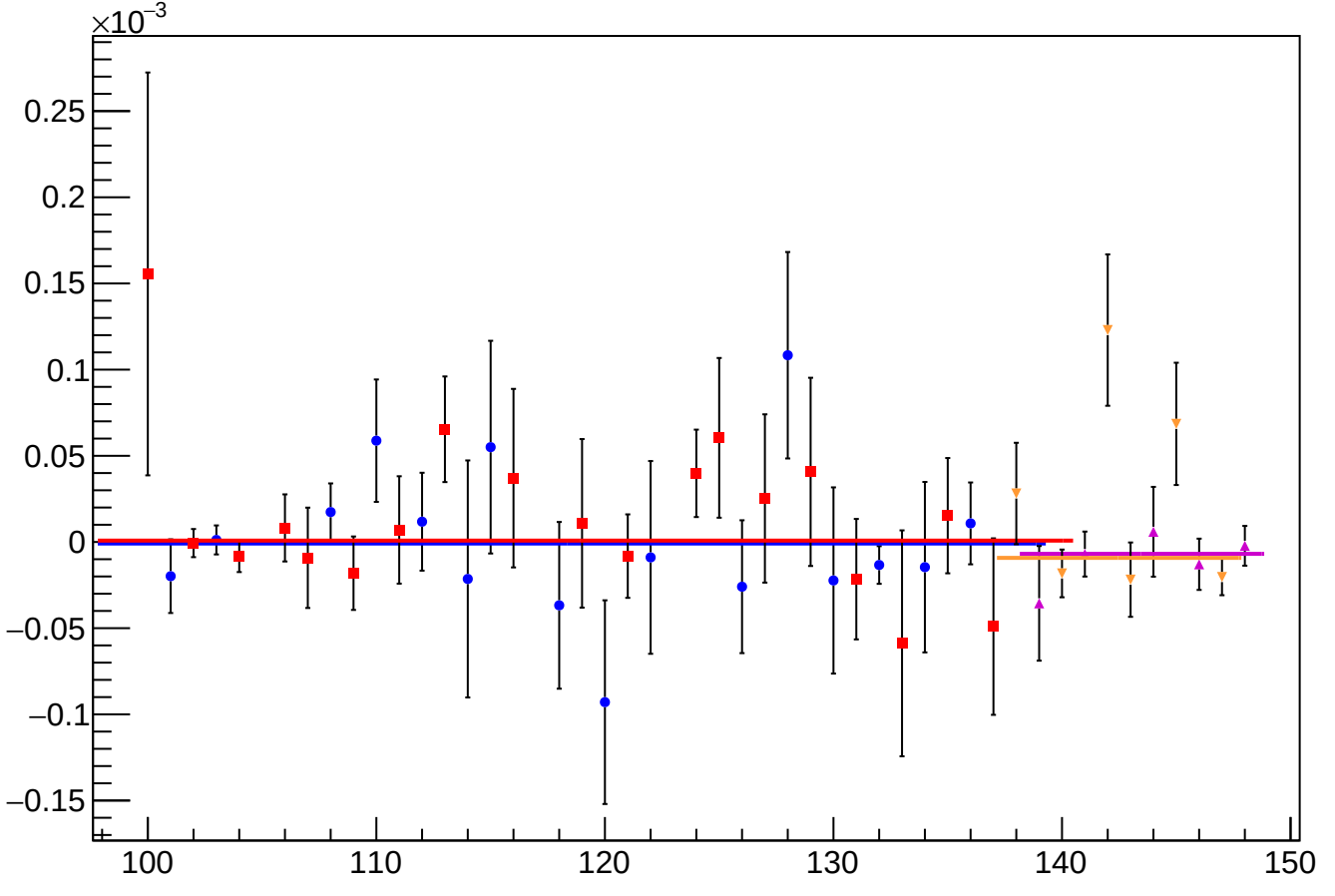
Left: 628.860+/-0.159 χ^2/NDF: 1736904.2/10

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 350.124+/-0.080 χ^2/NDF:2990689.6/20

Out: 324.307+/-0.078 χ^2/NDF:5432585.3/24

All: 337.037+/-0.056 χ^2/NDF: 8476650.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

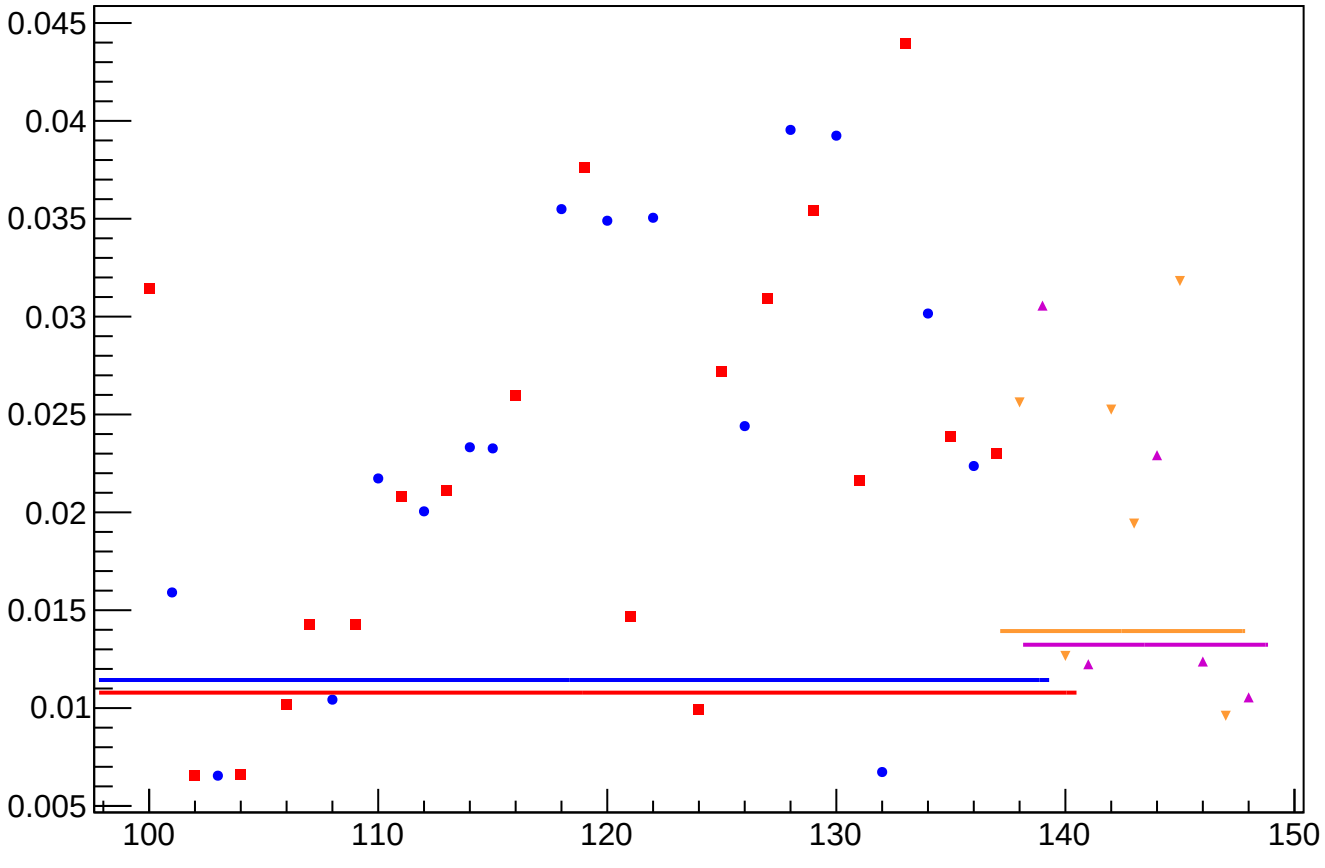
Left: -0.000+/-0.000 χ^2/NDF: 18.7/10

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:16.3/20

Out: -0.000+/-0.000 χ^2/NDF:34.8/24

All: -0.000+/-0.000 χ^2/NDF: 51.1/45



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:1438579.7/5

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.013+/-0.000 χ^2/NDF:946180.4/4

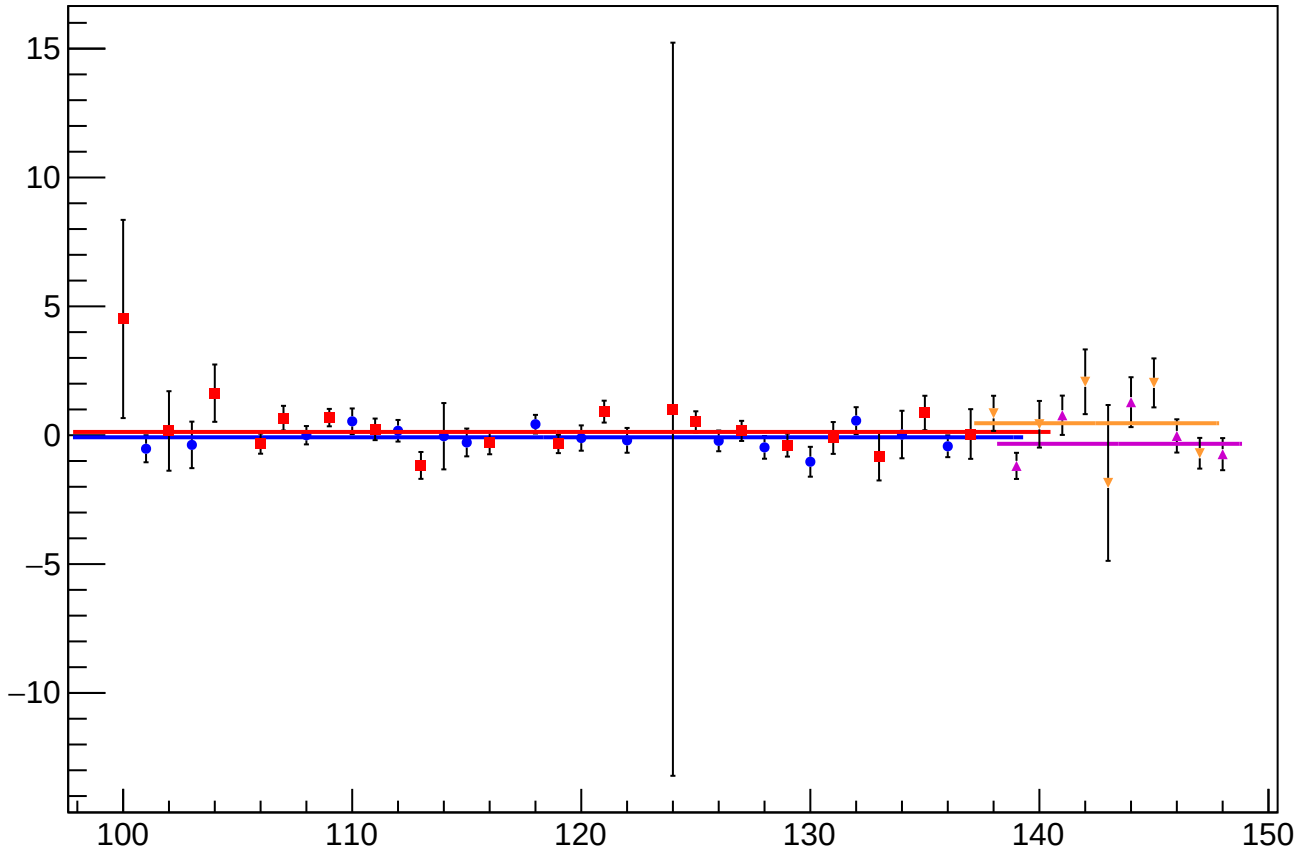
Left: 0.014+/-0.000 χ^2/NDF: 2394292.5/10

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5729791.7/20

Out: 0.012+/-0.000 χ^2/NDF:6170505.0/24

All: 0.012+/-0.000 χ^2/NDF: 11907064.7/45



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.466+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.333+/-0.293 χ^2/NDF:8.4/4

Left: -0.007+/-0.225 χ^2/NDF: 20.5/10

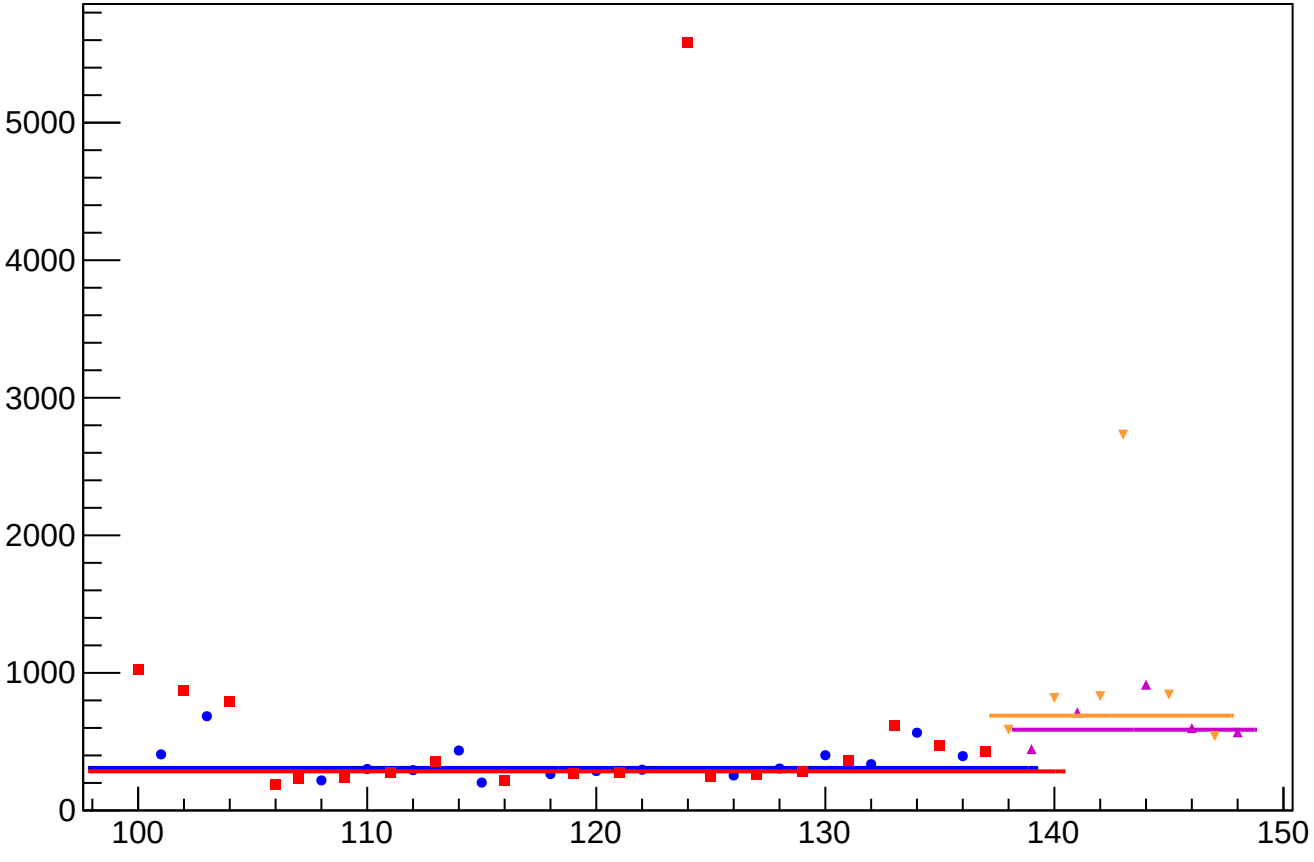
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.024+/-0.079 χ^2/NDF: 58.1/45

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 689.346+/-0.249 χ^2/NDF:1197765.0/5

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

Left: 628.869+/-0.159 χ^2/NDF: 1736880.9/10

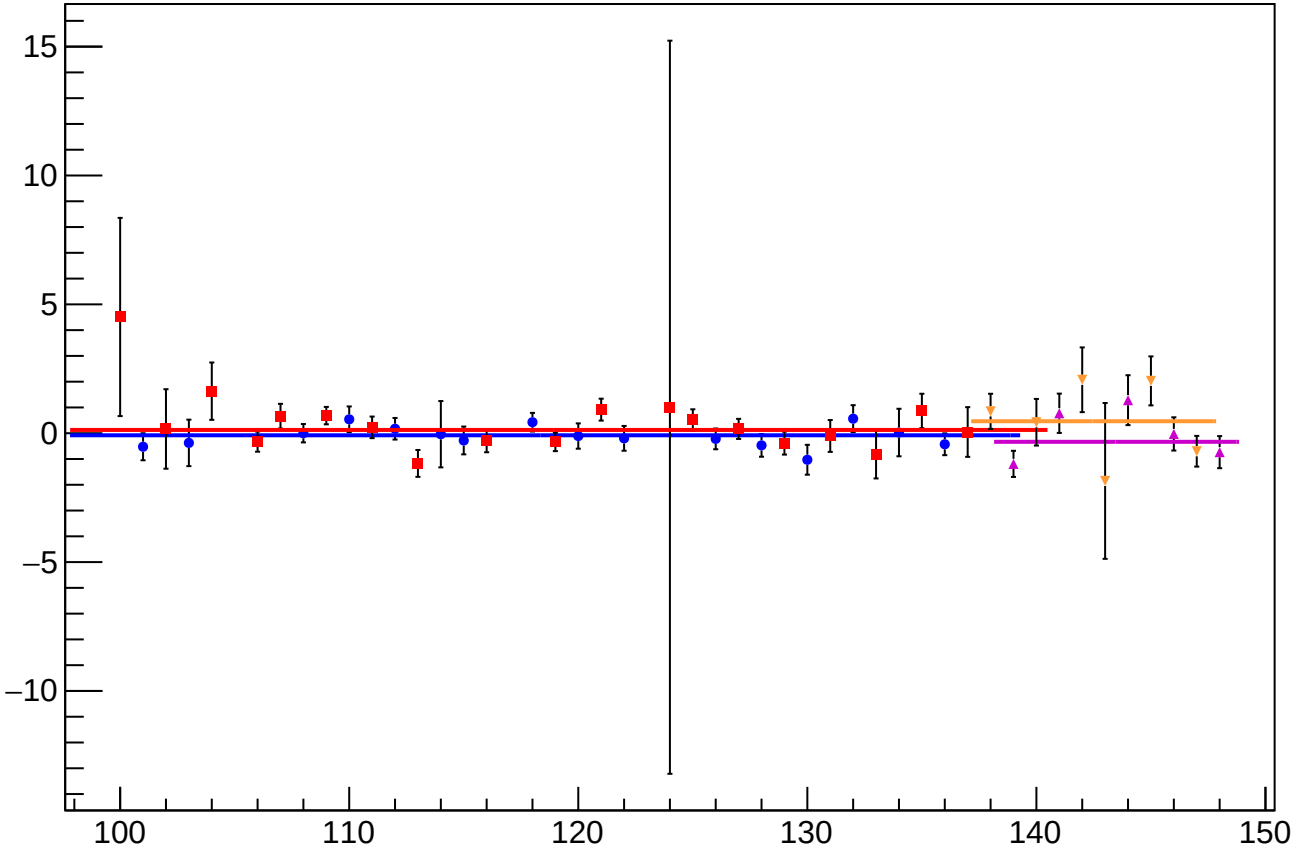
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 350.123+/-0.080 χ^2/NDF:2990713.1/20

Out: 324.306+/-0.078 χ^2/NDF:5432617.8/24

All: 337.036+/-0.056 χ^2/NDF: 8476707.6/45

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.466+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.333+/-0.293 χ^2/NDF:8.4/4

Left: -0.007+/-0.225 χ^2/NDF: 20.5/10

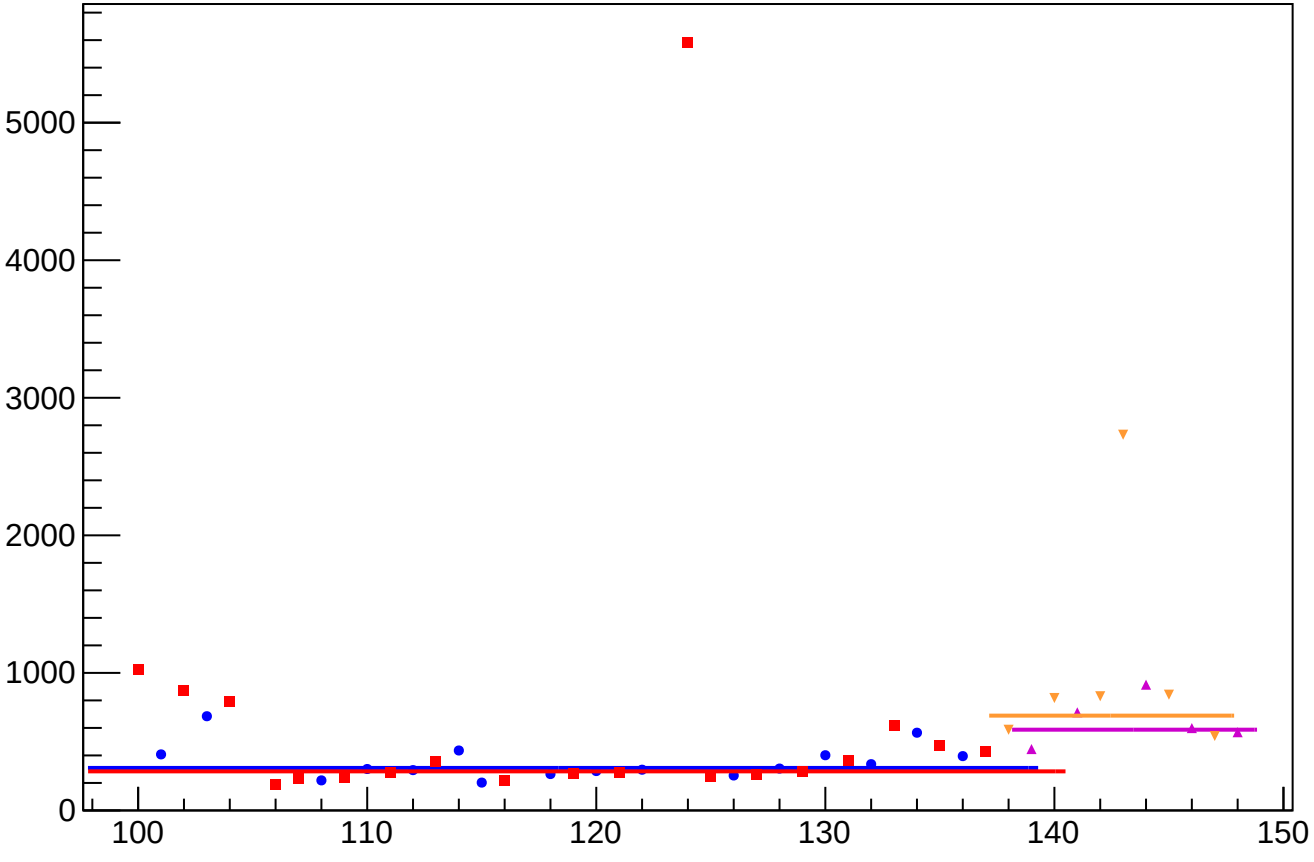
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.024+/-0.079 χ^2/NDF: 58.1/45

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: 689.346+/-0.249 χ^2/NDF:1197765.0/5

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

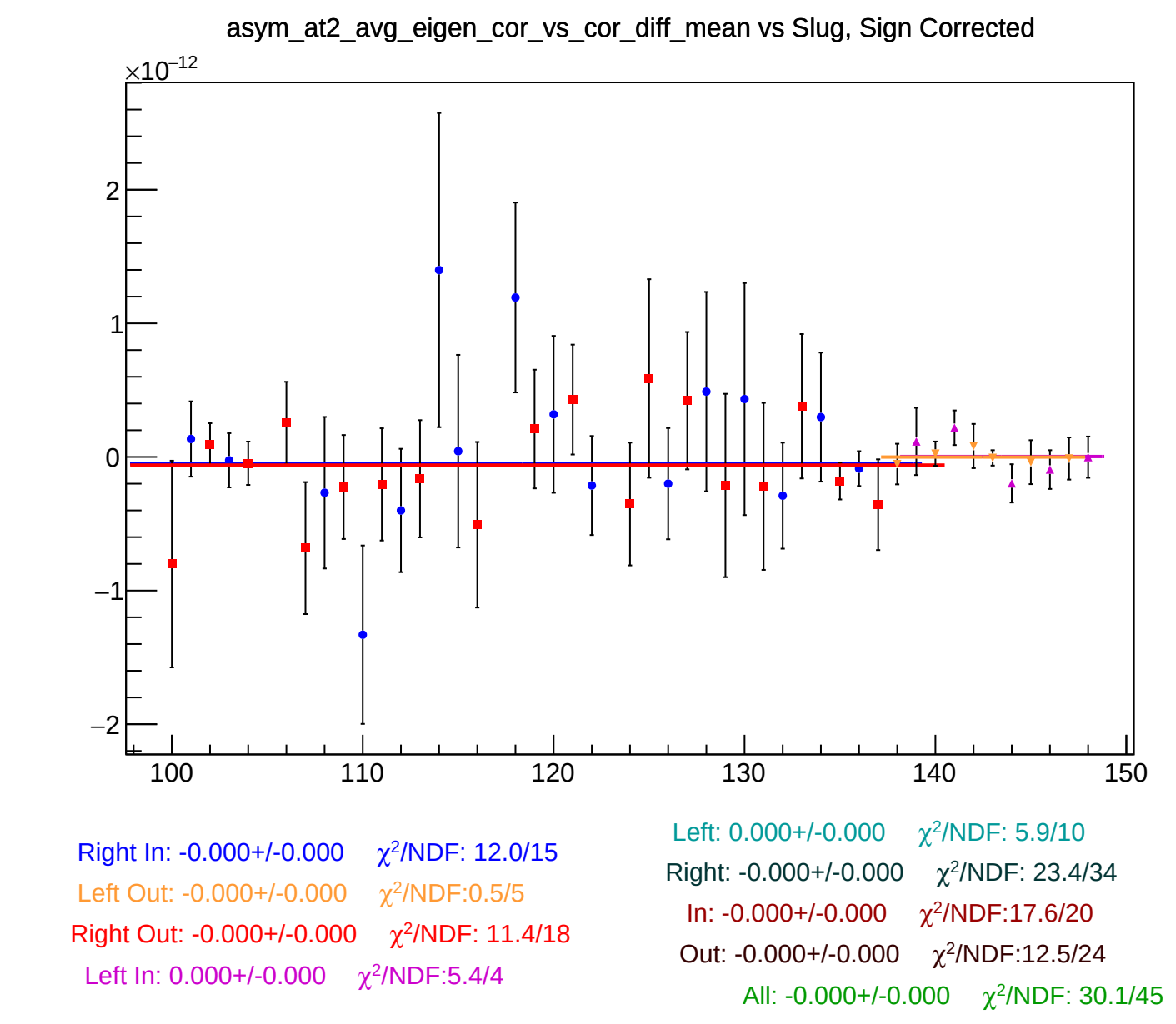
Left: 628.869+/-0.159 χ^2/NDF: 1736880.9/10

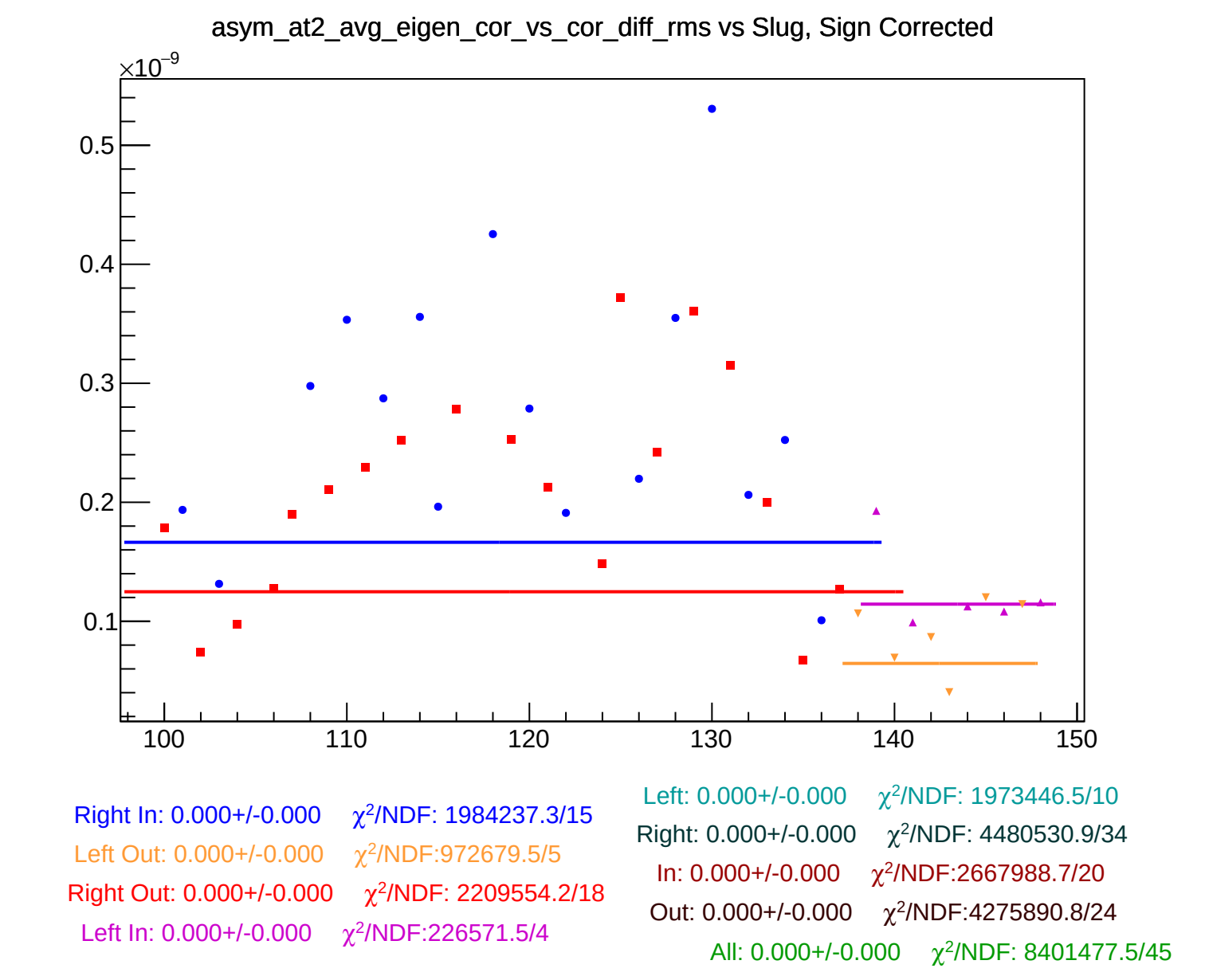
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

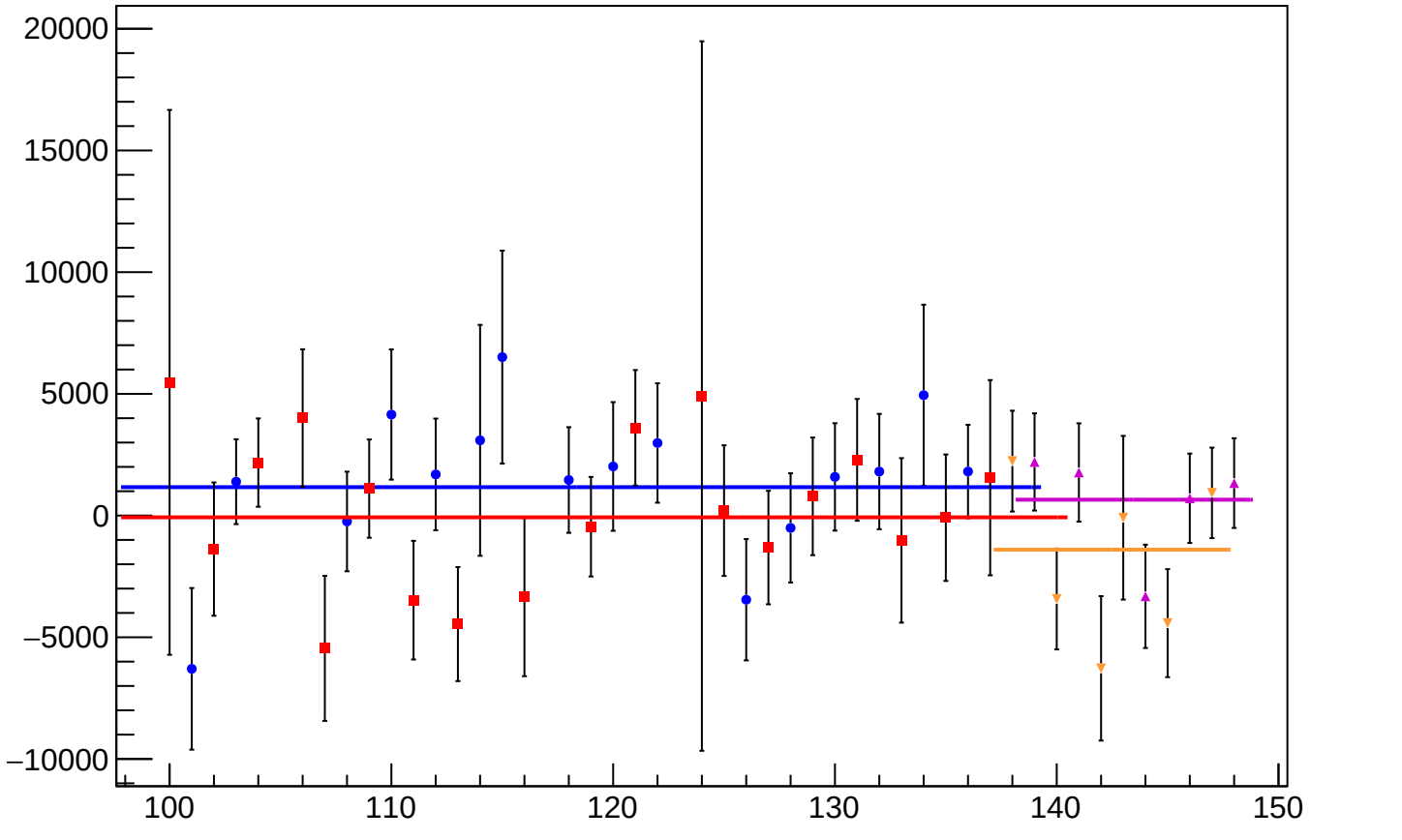
In: 350.123+/-0.080 χ^2/NDF:2990713.1/20

Out: 324.306+/-0.078 χ^2/NDF:5432617.8/24

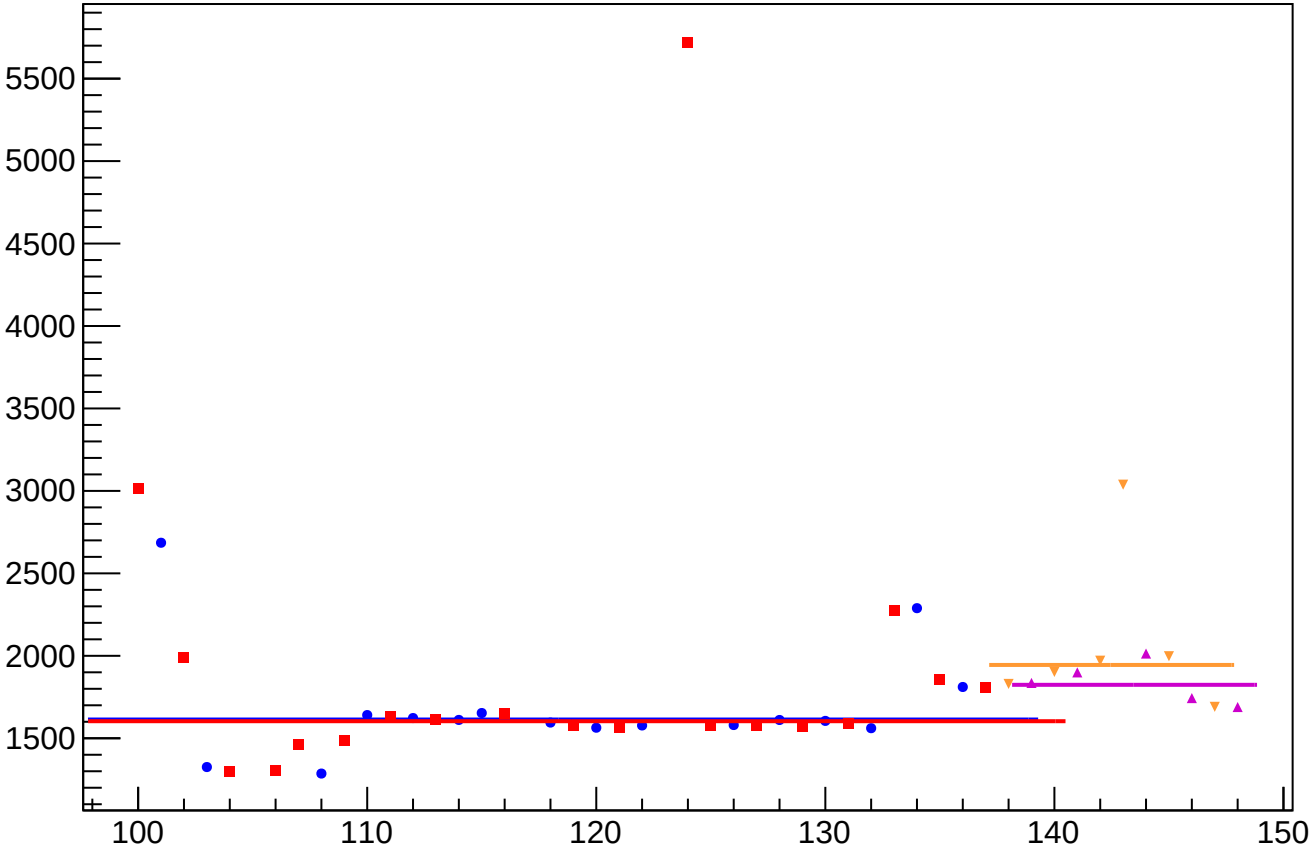
All: 337.036+/-0.056 χ^2/NDF: 8476707.6/45


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:0.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: 0.000+/-0.000 χ²/NDF:5.4/4
Left: 0.000+/-0.000 χ²/NDF: 5.9/10
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:17.6/20
Out: -0.000+/-0.000 χ²/NDF:12.5/24
All: -0.000+/-0.000 χ²/NDF: 30.1/45


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:972679.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:226571.5/4
Left: 0.000+/-0.000 χ²/NDF: 1973446.5/10
Right: 0.000+/-0.000 χ²/NDF: 4480530.9/34
In: 0.000+/-0.000 χ²/NDF:2667988.7/20
Out: 0.000+/-0.000 χ²/NDF:4275890.8/24
All: 0.000+/-0.000 χ²/NDF: 8401477.5/45


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -1400.403+/-928.124 χ²/NDF:10.3/5
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 652.379+/-873.872 χ²/NDF:4.5/4
Left: -312.266+/-636.236 χ²/NDF: 17.5/10
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 998.613+/-499.734 χ²/NDF:19.2/20
Out: -466.754+/-505.865 χ²/NDF:30.0/24
All: 274.863+/-355.513 χ²/NDF: 53.5/45

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

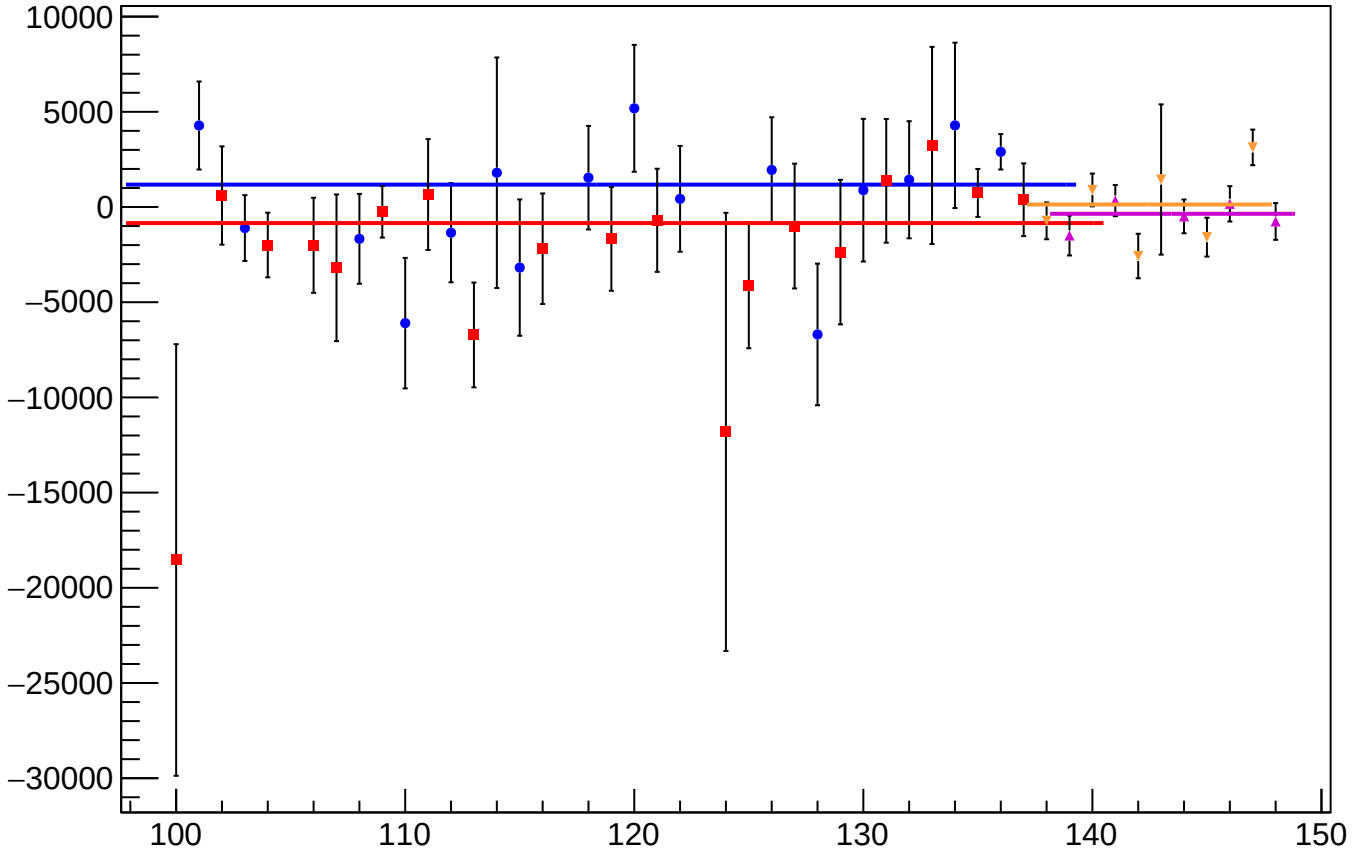
Left: 1880.747+/-0.450 χ^2/NDF: 308286.7/10

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1682.486+/-0.353 χ^2/NDF:516061.9/20

Out: 1704.821+/-0.358 χ^2/NDF:872842.8/24

All: 1693.517+/-0.251 χ^2/NDF: 1390877.8/45



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 132.370+/-433.703 χ^2/NDF:20.2/5

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -356.452+/-411.768 χ^2/NDF:2.4/4

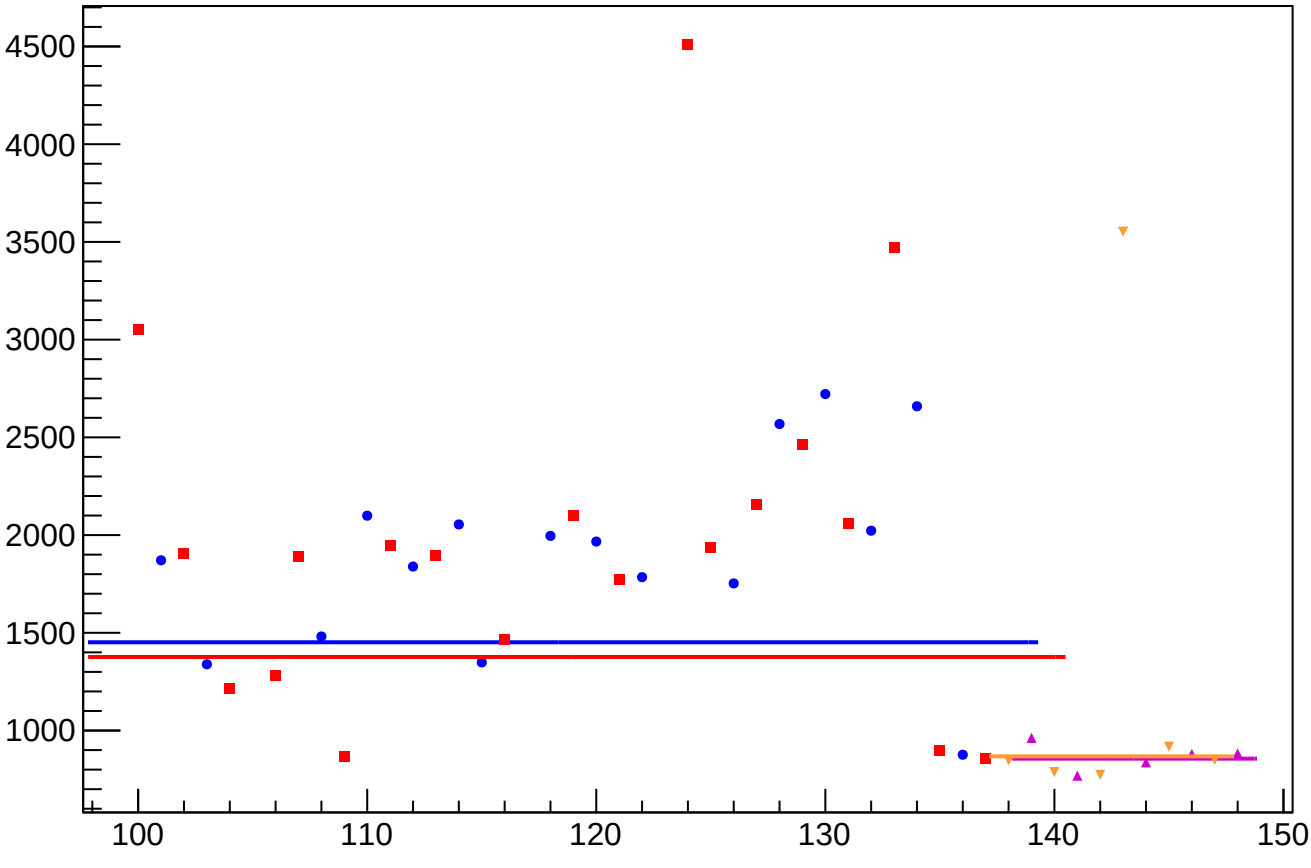
Left: -124.715+/-298.618 χ^2/NDF: 23.2/10

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 158.027+/-335.575 χ^2/NDF:29.0/20

Out: -235.741+/-342.303 χ^2/NDF:36.3/24

All: -34.949+/-239.631 χ^2/NDF: 66.1/45



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 867.871+/-0.307 χ^2/NDF:962664.3/5

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 856.163+/-0.291 χ^2/NDF:46833.3/4

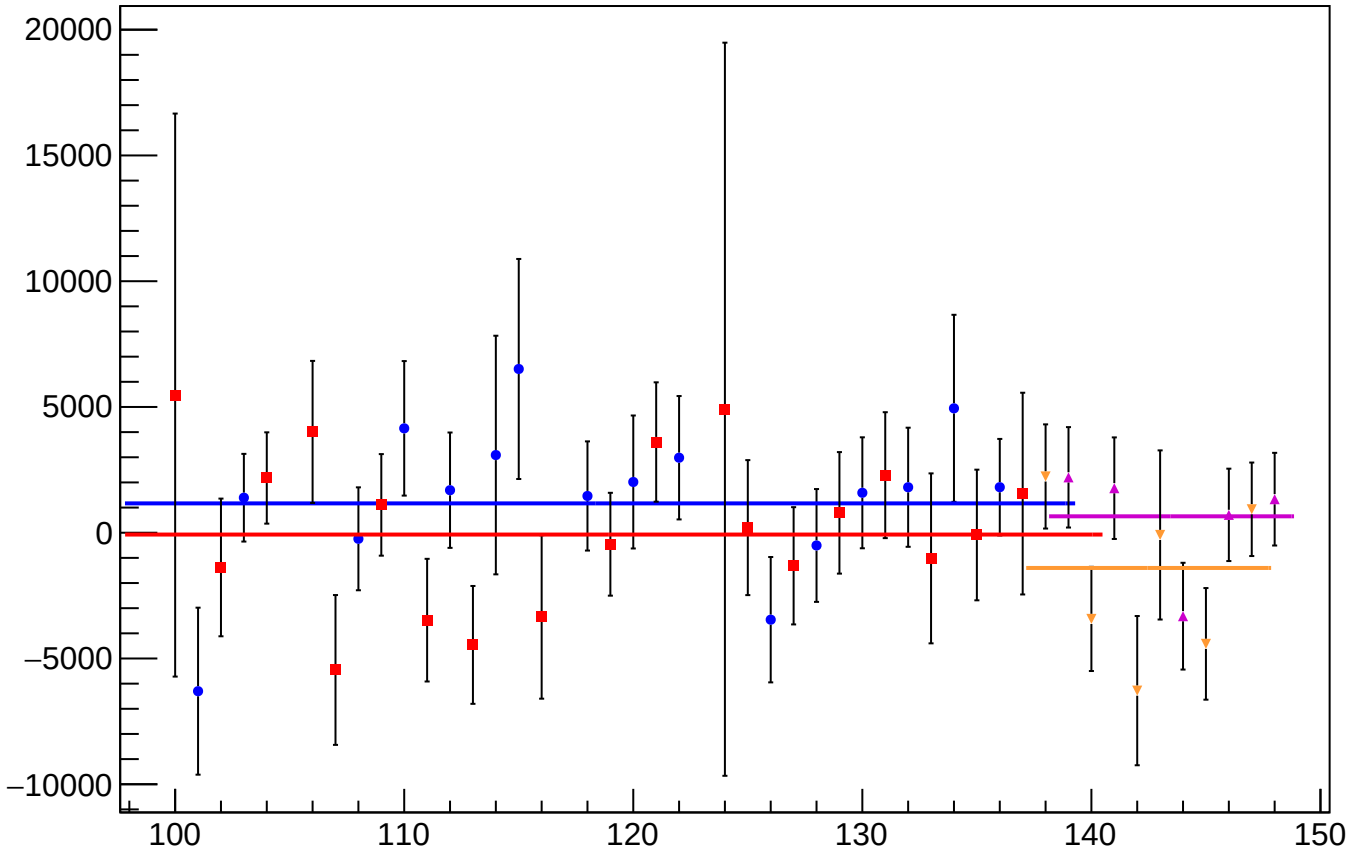
Left: 861.713+/-0.211 χ^2/NDF: 1010264.1/10

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1056.143+/-0.237 χ^2/NDF:3242332.2/20

Out: 1059.651+/-0.242 χ^2/NDF:4131821.5/24

All: 1057.862+/-0.169 χ^2/NDF: 7374260.9/45



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1400.595+/-928.124 χ^2/NDF:10.3/5

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 652.567+/-873.872 χ^2/NDF:4.5/4

Left: -312.256+/-636.236 χ^2/NDF: 17.5/10

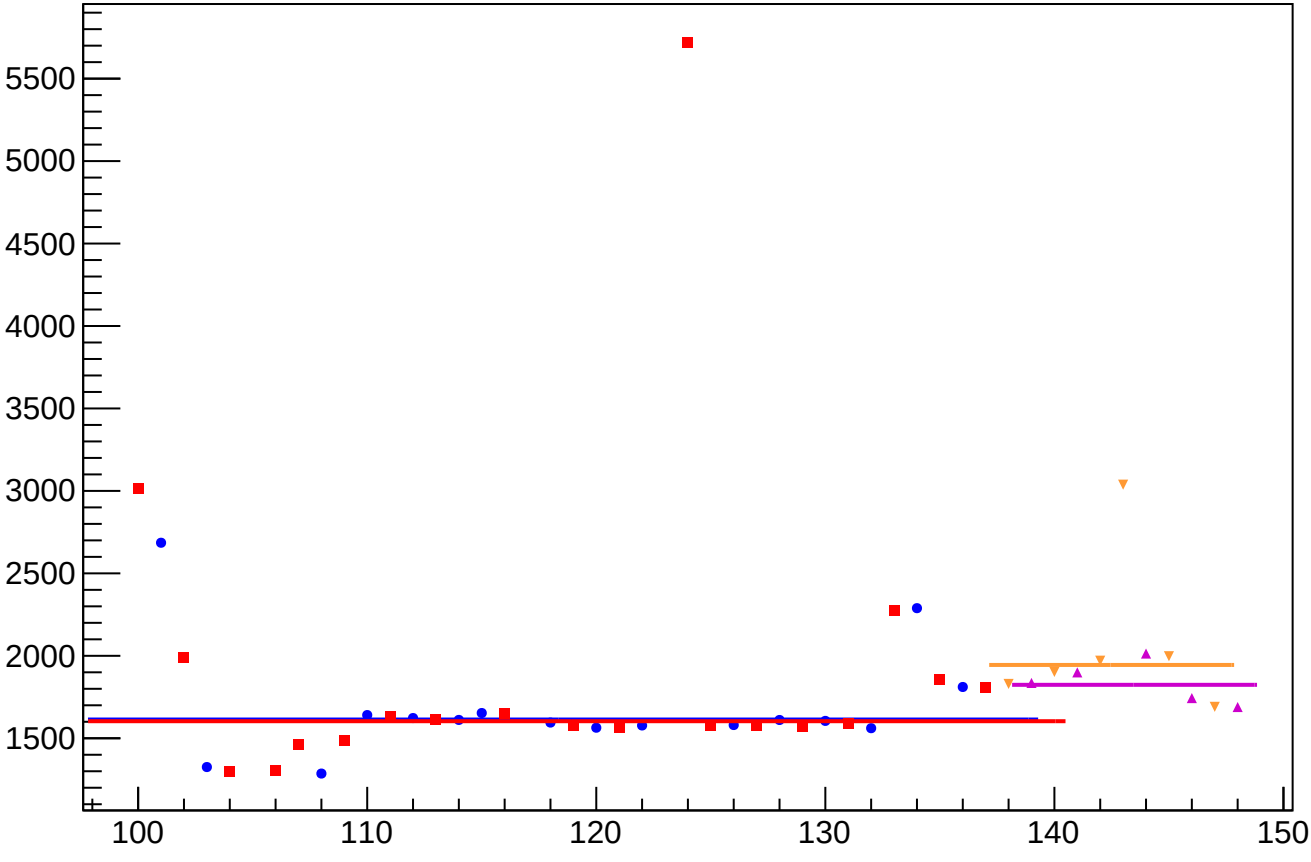
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 998.612+/-499.734 χ^2/NDF:19.2/20

Out: -467.034+/-505.865 χ^2/NDF:30.1/24

All: 274.724+/-355.513 χ^2/NDF: 53.5/45

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

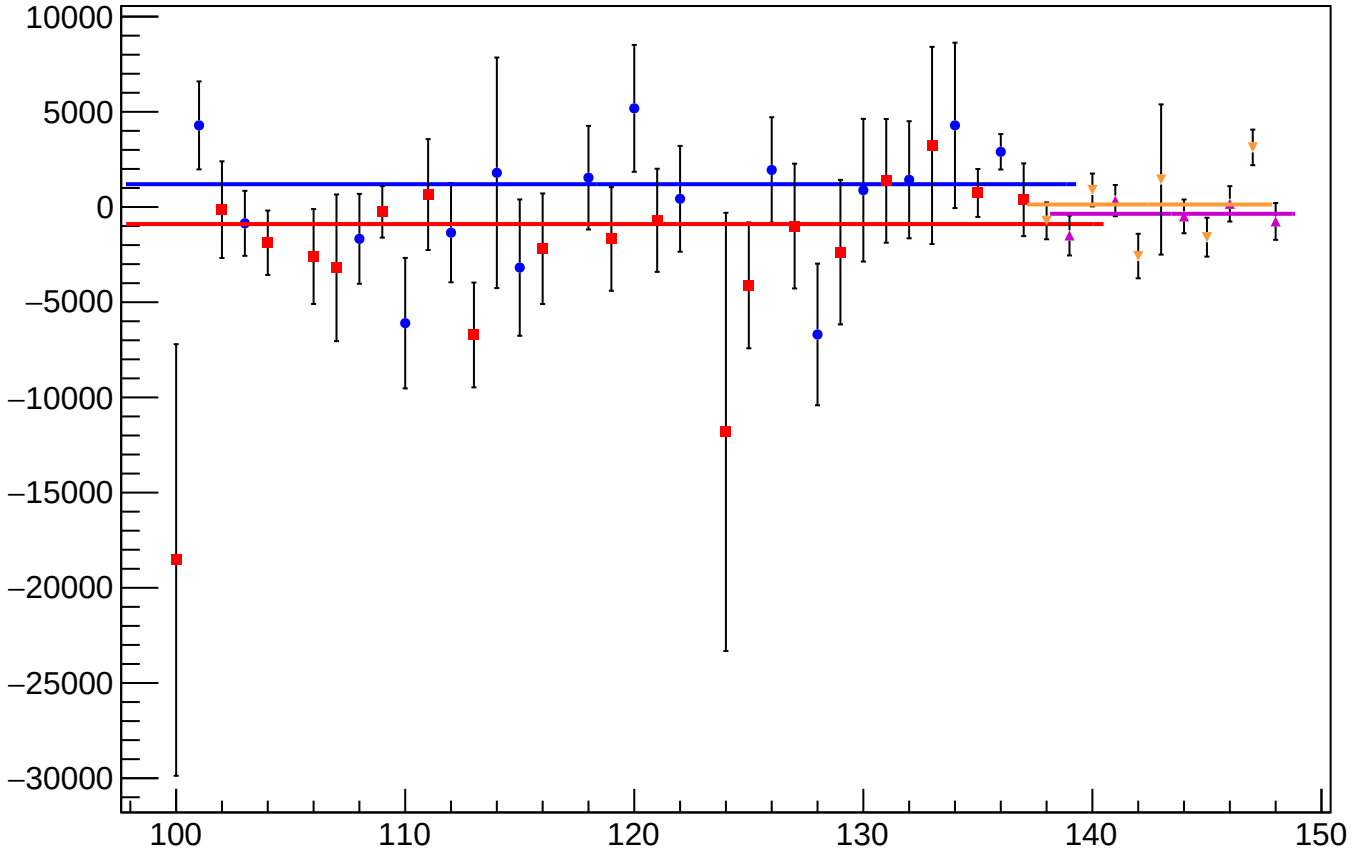
Left: 1880.747+/-0.450 χ^2/NDF: 308286.7/10

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.486+/-0.353 χ^2/NDF:516062.2/20

Out: 1704.820+/-0.358 χ^2/NDF:872843.0/24

All: 1693.517+/-0.251 χ^2/NDF: 1390878.3/45



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 132.386+/-433.714 χ^2/NDF:20.2/5

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.459+/-411.765 χ^2/NDF:2.4/4

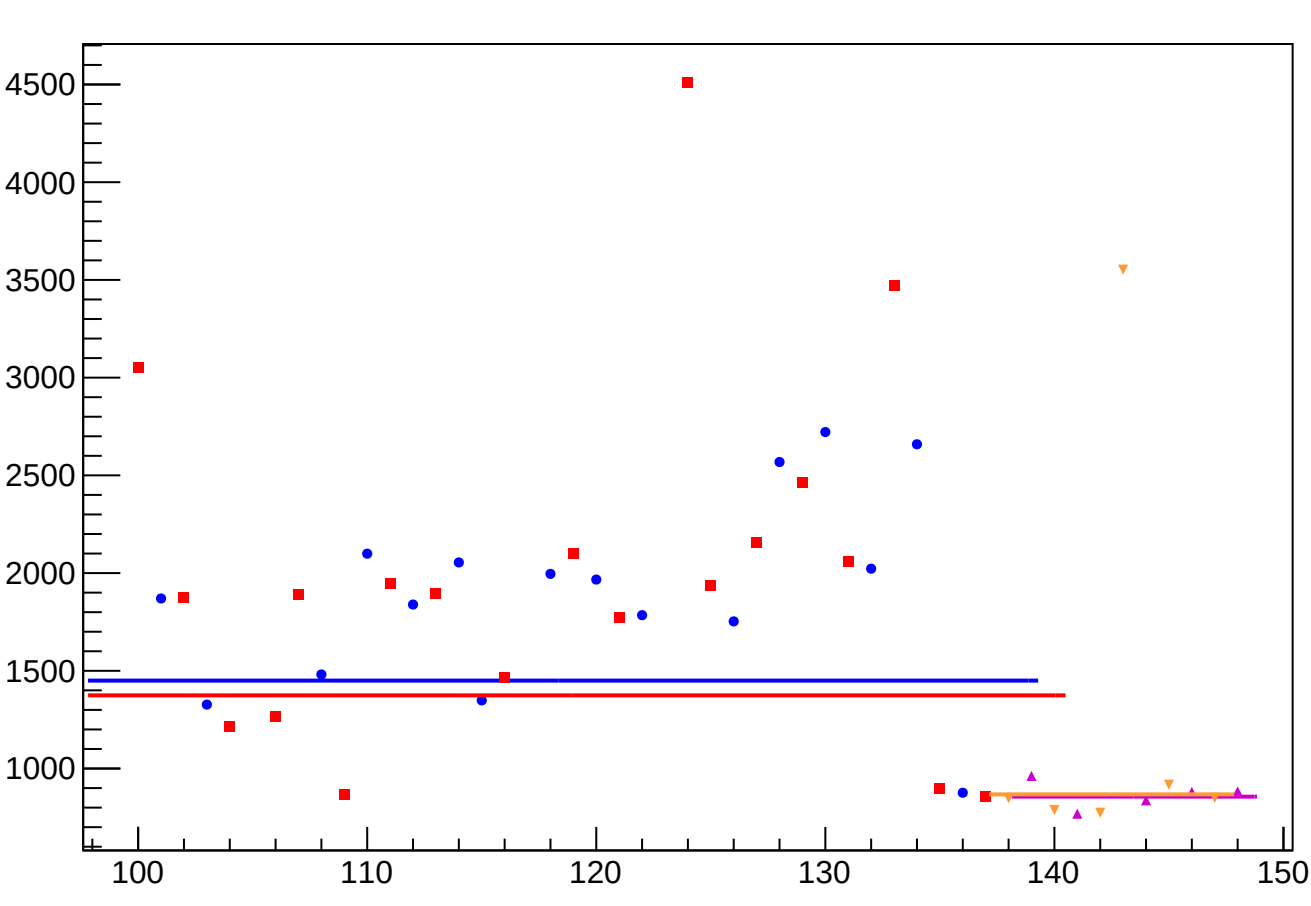
Left: -124.719+/-298.620 χ^2/NDF: 23.2/10

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 166.680+/-335.413 χ^2/NDF:28.9/20

Out: -255.871+/-342.129 χ^2/NDF:36.5/24

All: -40.408+/-239.512 χ^2/NDF: 66.1/45



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 867.895+/-0.307 χ^2/NDF:962630.6/5

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

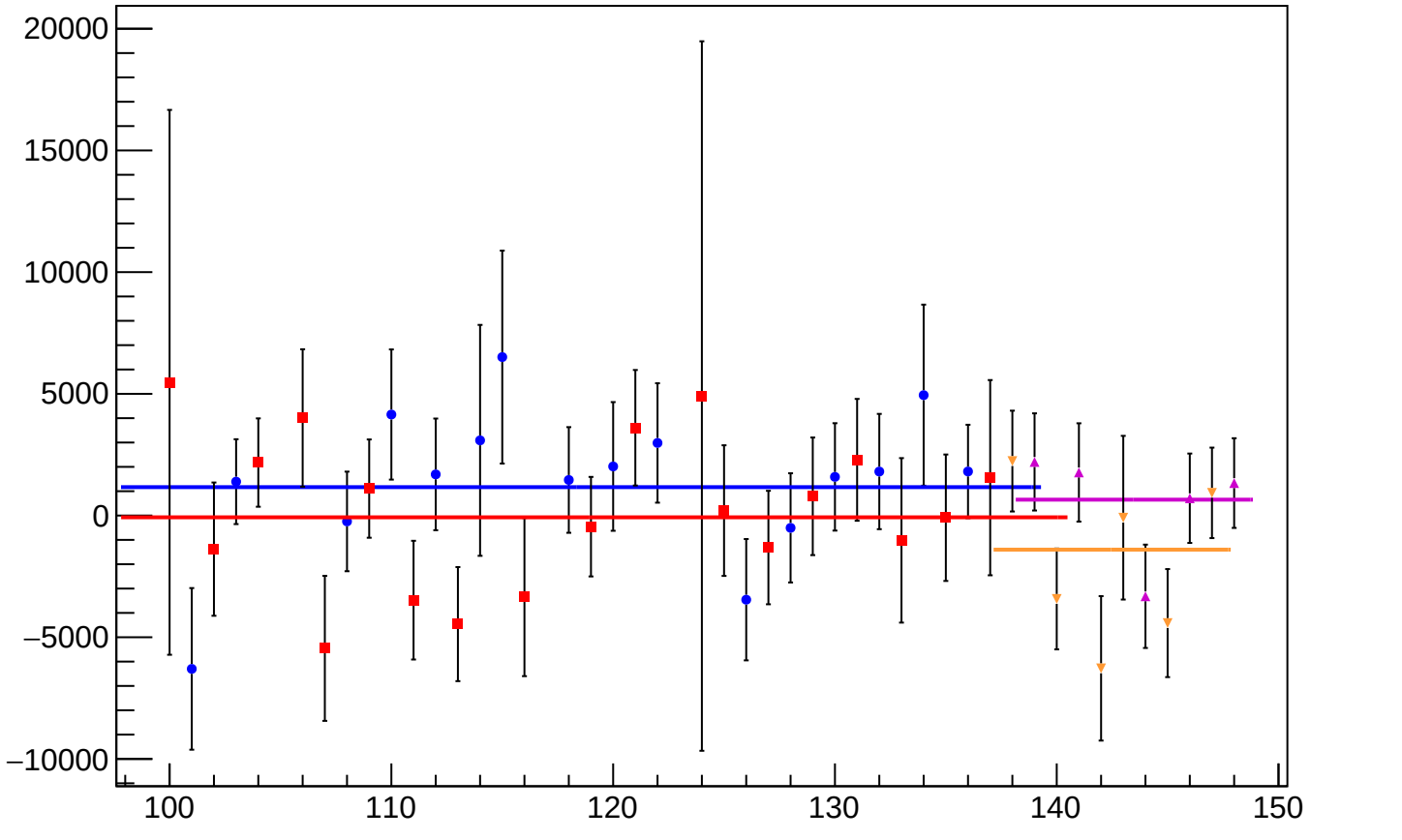
Left: 861.721+/-0.211 χ^2/NDF: 1010251.6/10

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1055.944+/-0.237 χ^2/NDF:3238890.0/20

Out: 1059.236+/-0.242 χ^2/NDF:4120818.3/24

All: 1057.557+/-0.169 χ^2/NDF: 7359802.7/45



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -1400.595+/-928.124 χ^2/NDF:10.3/5

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 652.567+/-873.872 χ^2/NDF:4.5/4

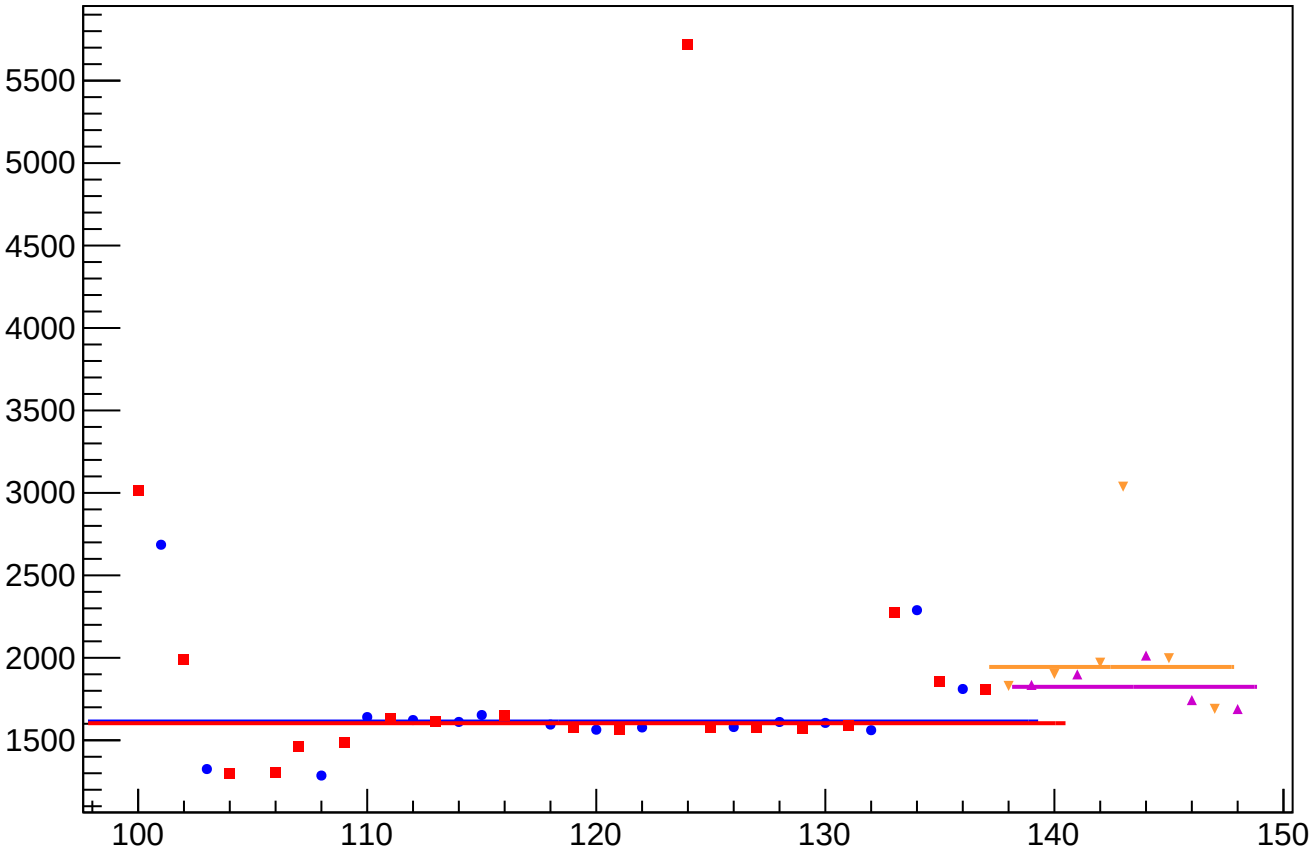
Left: -312.256+/-636.236 χ^2/NDF: 17.5/10

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 998.612+/-499.734 χ^2/NDF:19.2/20

Out: -467.034+/-505.865 χ^2/NDF:30.1/24

All: 274.724+/-355.513 χ^2/NDF: 53.5/45



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

Left: 1880.747+/-0.450 χ^2/NDF: 308286.7/10

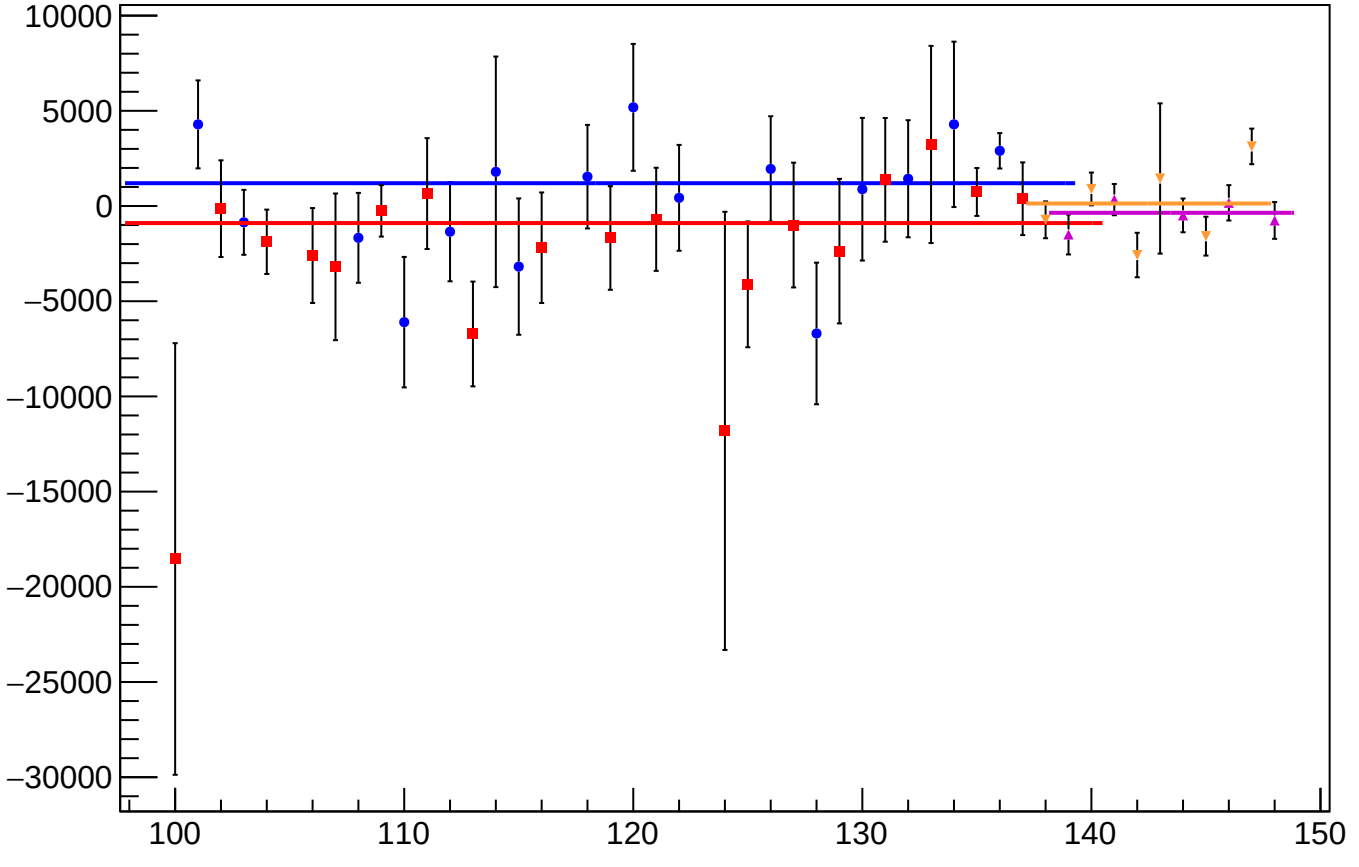
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.486+/-0.353 χ^2/NDF:516062.2/20

Out: 1704.820+/-0.358 χ^2/NDF:872843.0/24

All: 1693.517+/-0.251 χ^2/NDF: 1390878.3/45

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 132.386+/-433.714 χ^2/NDF:20.2/5

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.459+/-411.765 χ^2/NDF:2.4/4

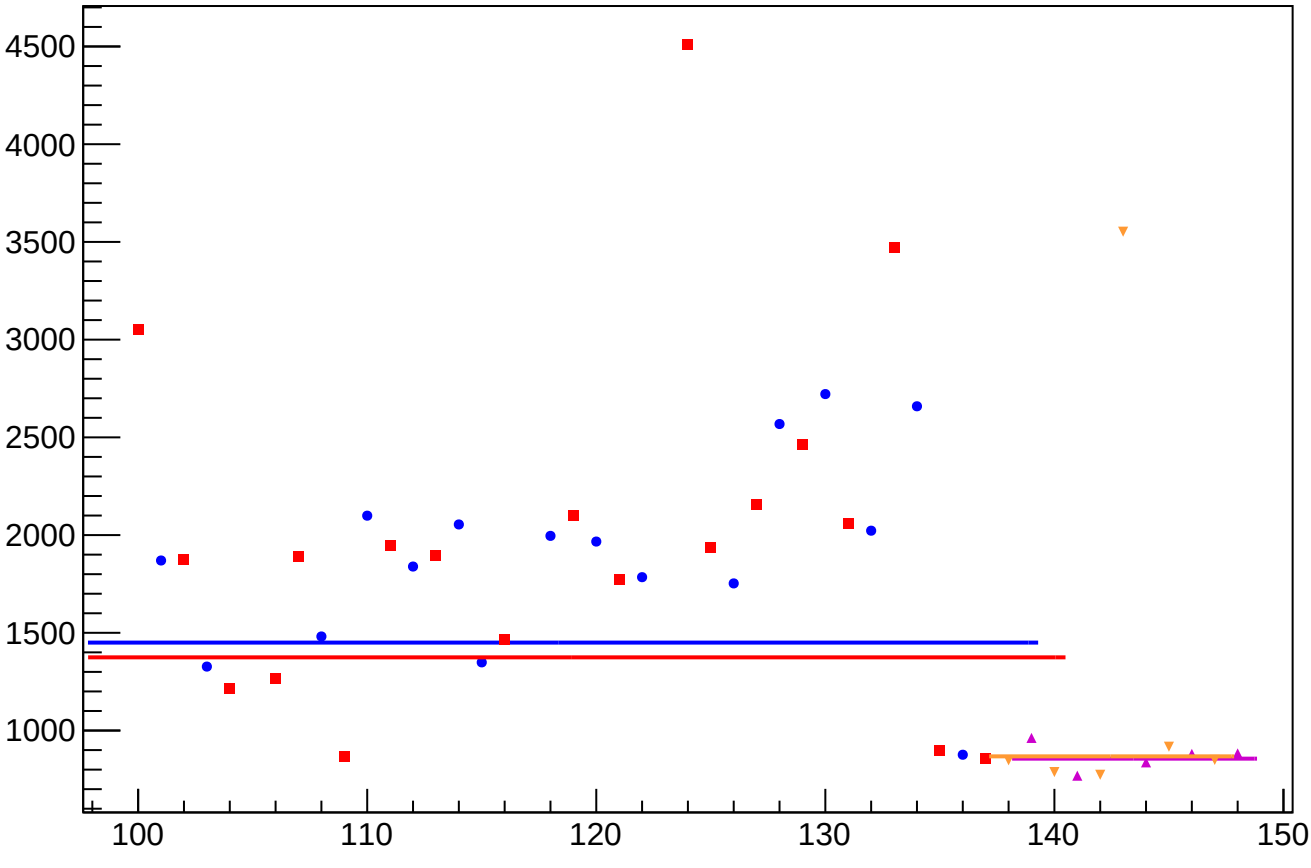
Left: -124.719+/-298.620 χ^2/NDF: 23.2/10

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 166.680+/-335.413 χ^2/NDF:28.9/20

Out: -255.871+/-342.129 χ^2/NDF:36.5/24

All: -40.408+/-239.512 χ^2/NDF: 66.1/45



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 867.895+/-0.307 χ^2/NDF:962630.6/5

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

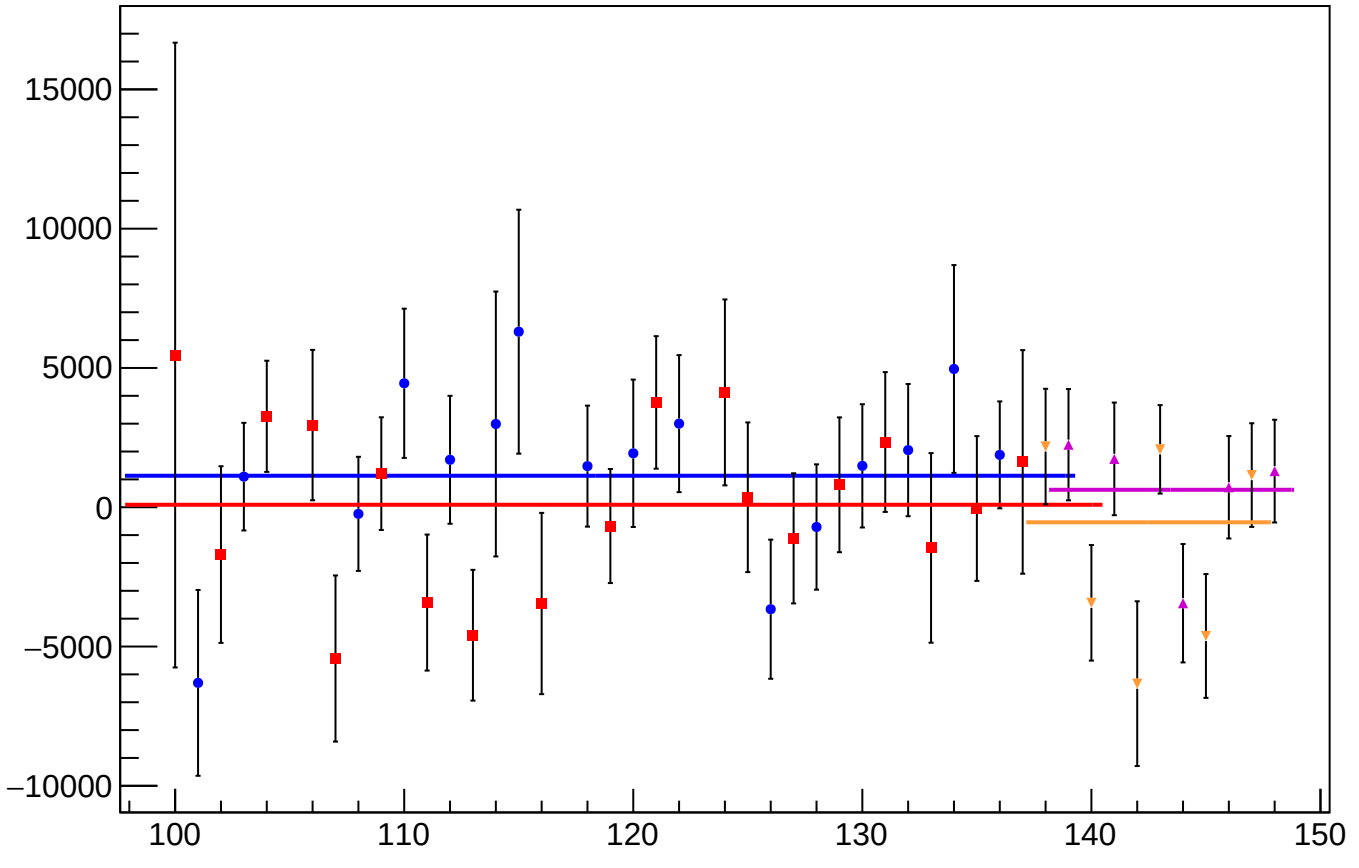
Left: 861.721+/-0.211 χ^2/NDF: 1010251.6/10

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1055.944+/-0.237 χ^2/NDF:3238890.0/20

Out: 1059.236+/-0.242 χ^2/NDF:4120818.3/24

All: 1057.557+/-0.169 χ^2/NDF: 7359802.7/45



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -539.769+/-825.368 χ^2/NDF:14.4/5

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 626.603+/-874.897 χ^2/NDF:4.8/4

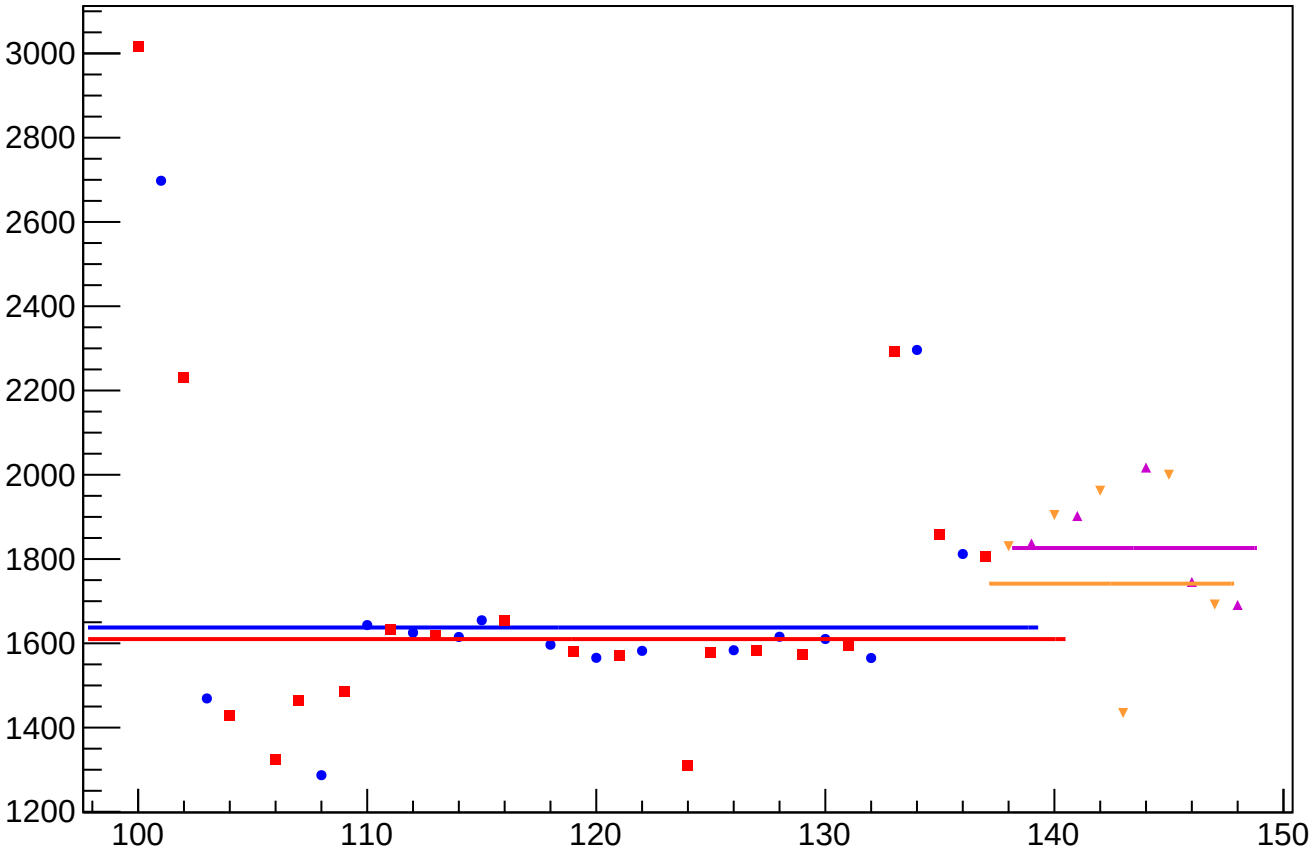
Left: 9.470+/-600.370 χ^2/NDF: 20.1/10

Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 963.196+/-504.354 χ^2/NDF:20.0/20

Out: -129.704+/-486.938 χ^2/NDF:35.5/24

All: 397.551+/-350.312 χ^2/NDF: 57.9/45



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1741.624+/-0.584 χ^2/NDF:130372.7/5

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1826.184+/-0.619 χ^2/NDF:33612.5/4

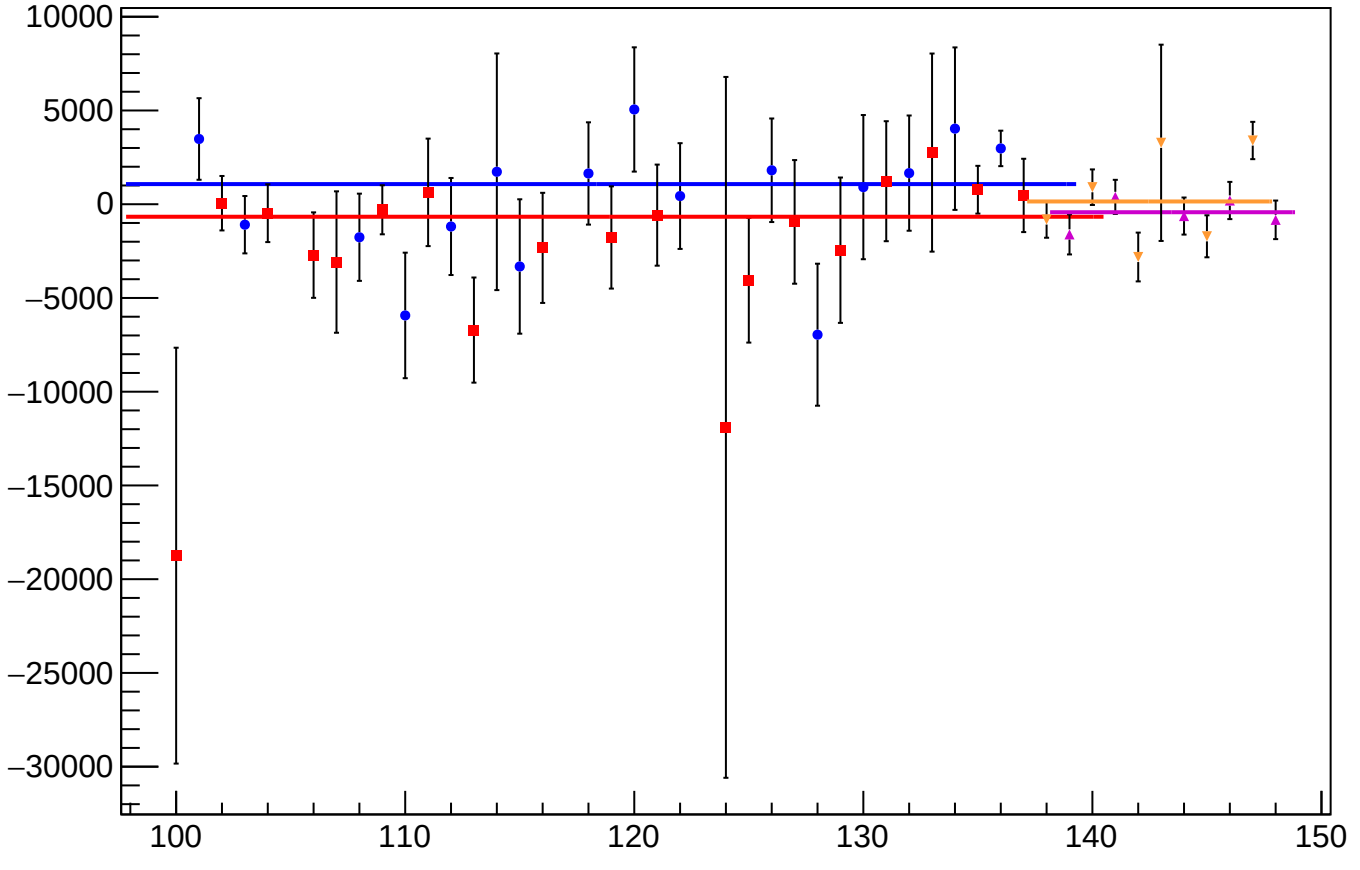
Left: 1781.443+/-0.425 χ^2/NDF: 173870.5/10

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.253+/-0.357 χ^2/NDF:457090.0/20

Out: 1655.841+/-0.344 χ^2/NDF:444323.4/24

All: 1677.267+/-0.248 χ^2/NDF: 909439.9/45



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 147.076+/-466.154 χ^2/NDF:20.6/5

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -426.663+/-444.206 χ^2/NDF:2.6/4

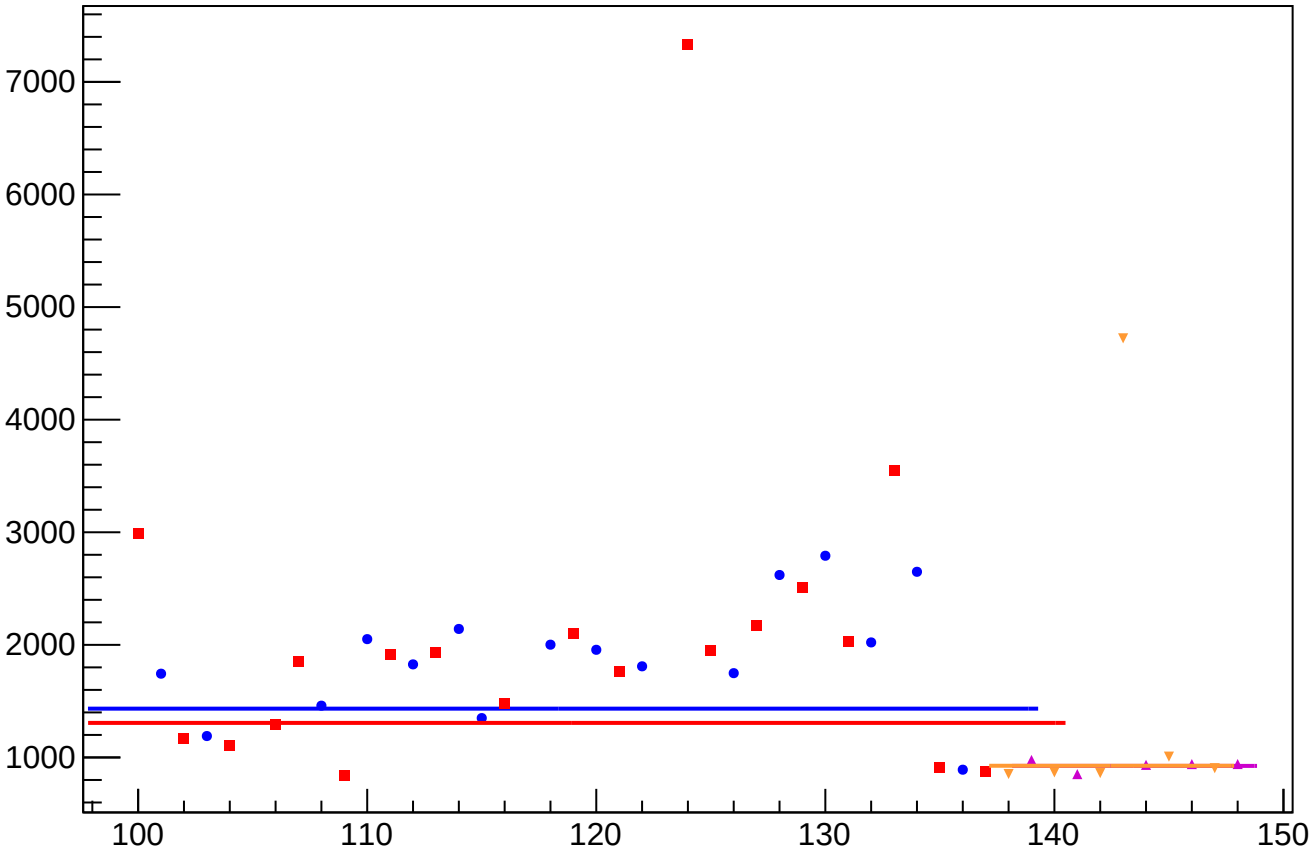
Left: -153.618+/-321.580 χ^2/NDF: 24.0/10

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 138.220+/-350.747 χ^2/NDF:29.0/20

Out: -213.310+/-348.130 χ^2/NDF:35.5/24

All: -38.861+/-247.085 χ^2/NDF: 65.0/45



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 926.244+/-0.330 χ^2/NDF:1087190.3/5

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 924.965+/-0.314 χ^2/NDF:19001.8/4

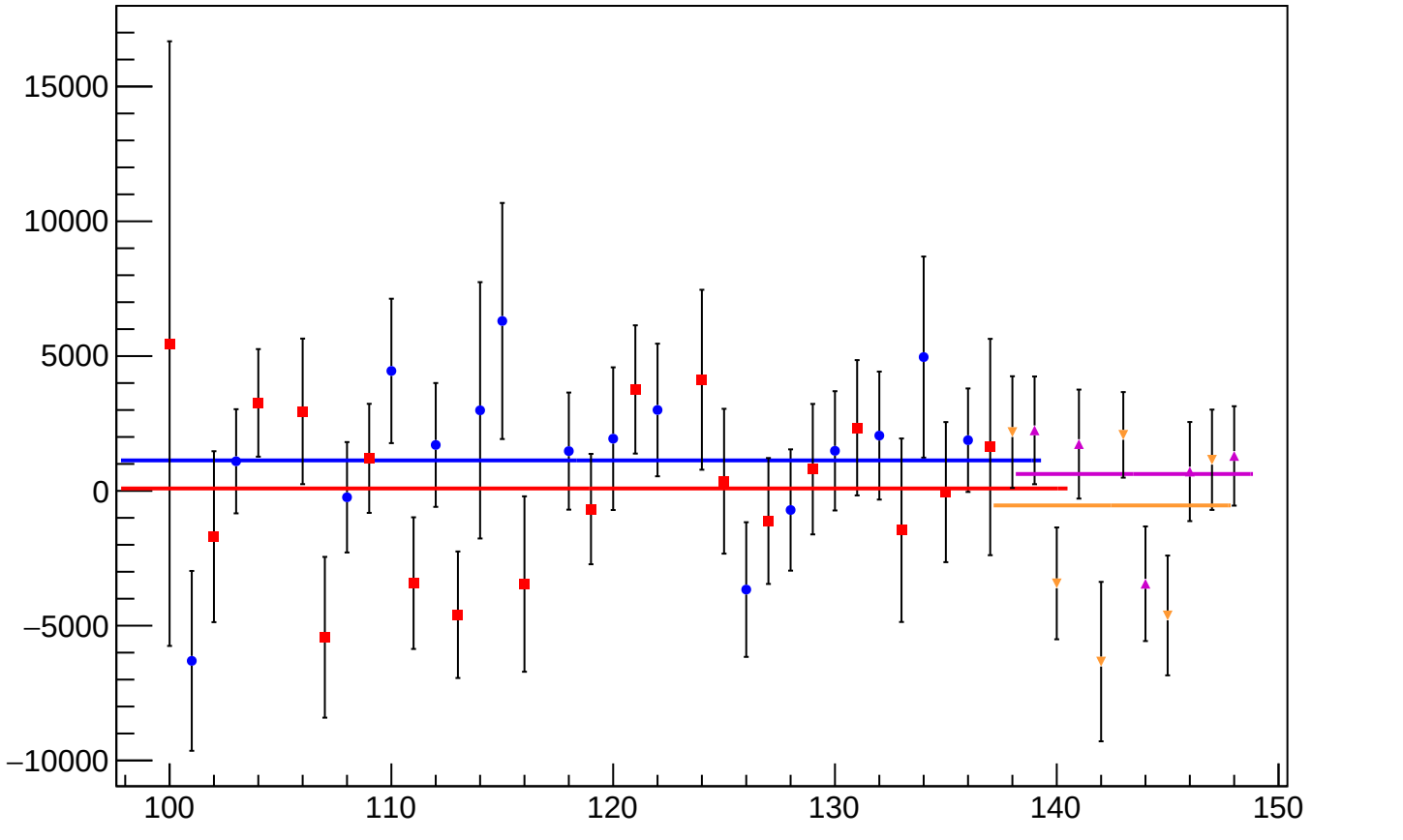
Left: 925.574+/-0.227 χ^2/NDF: 1106200.1/10

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1116.431+/-0.248 χ^2/NDF:2769352.6/20

Out: 1094.582+/-0.246 χ^2/NDF:3860818.2/24

All: 1105.425+/-0.175 χ^2/NDF: 6634080.3/45



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -539.782+/-825.369 χ^2/NDF:14.4/5

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 626.595+/-874.897 χ^2/NDF:4.8/4

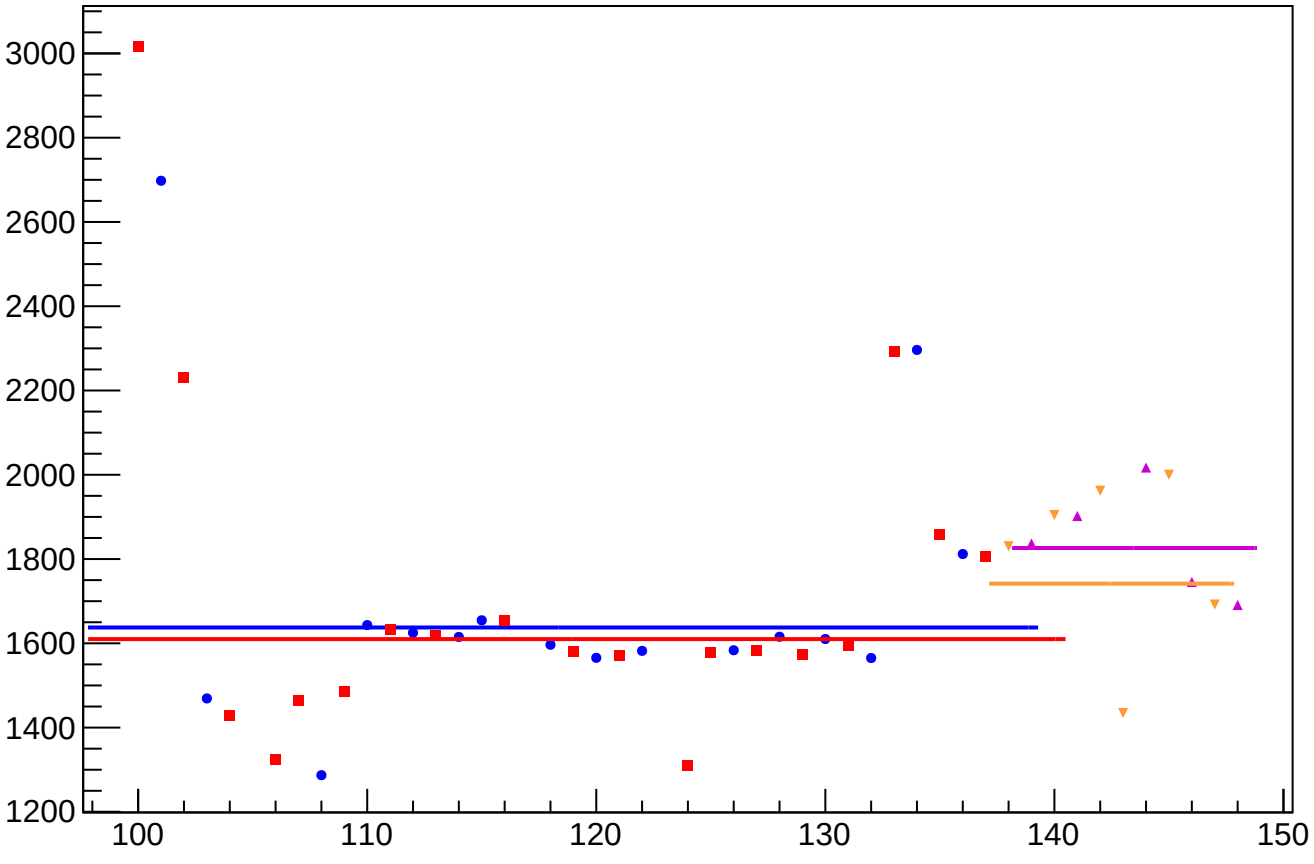
Left: 9.459+/-600.370 χ^2/NDF: 20.1/10

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 963.194+/-504.354 χ^2/NDF:20.0/20

Out: -129.706+/-486.938 χ^2/NDF:35.5/24

All: 397.549+/-350.312 χ^2/NDF: 57.9/45



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1741.625+/-0.584 χ^2/NDF:130371.5/5

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1826.184+/-0.619 χ^2/NDF:33612.6/4

Left: 1781.443+/-0.425 χ^2/NDF: 173869.2/10

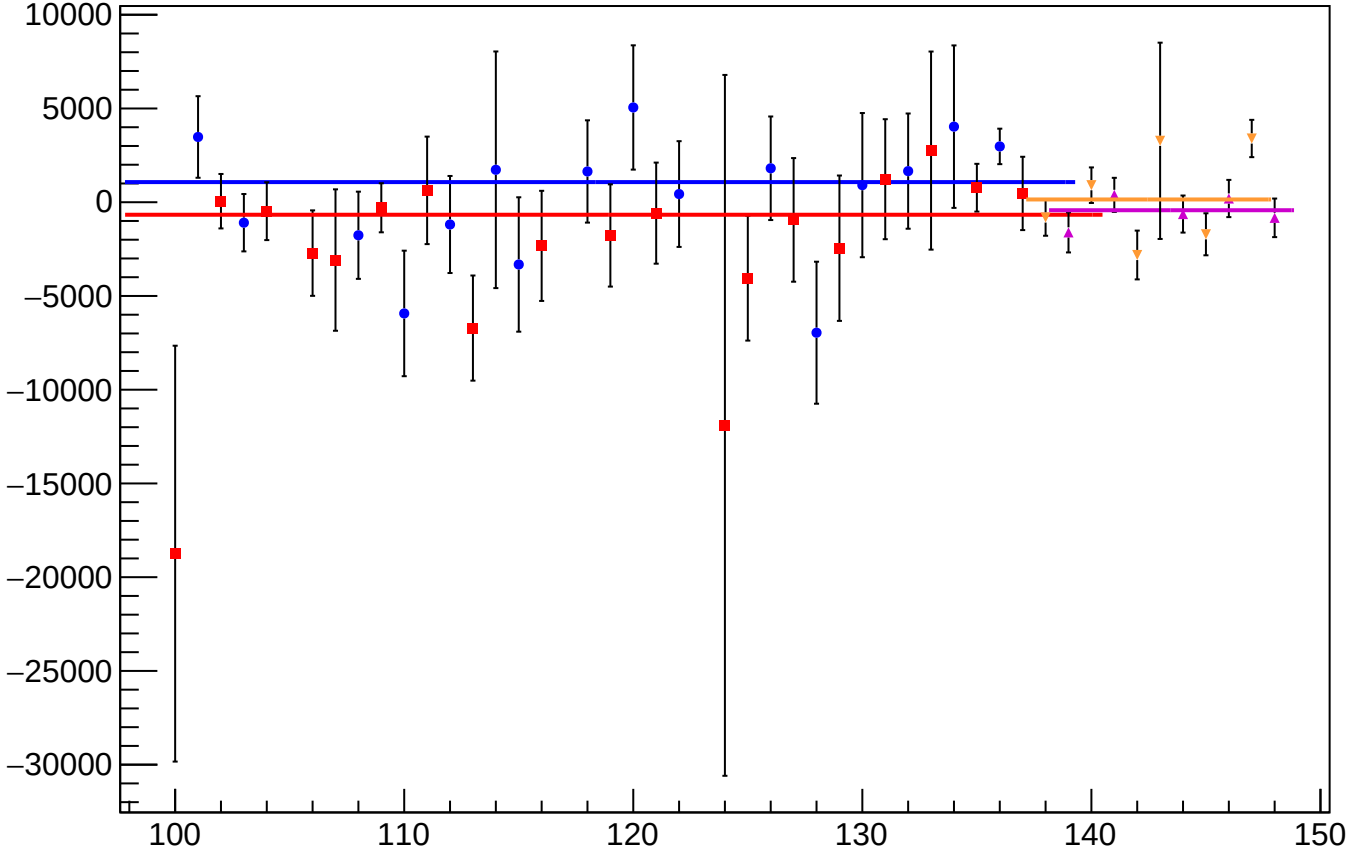
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.253+/-0.357 χ^2/NDF:457090.0/20

Out: 1655.841+/-0.344 χ^2/NDF:444322.9/24

All: 1677.267+/-0.248 χ^2/NDF: 909439.2/45

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 147.088+/-466.158 χ^2/NDF:20.6/5

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -426.661+/-444.207 χ^2/NDF:2.6/4

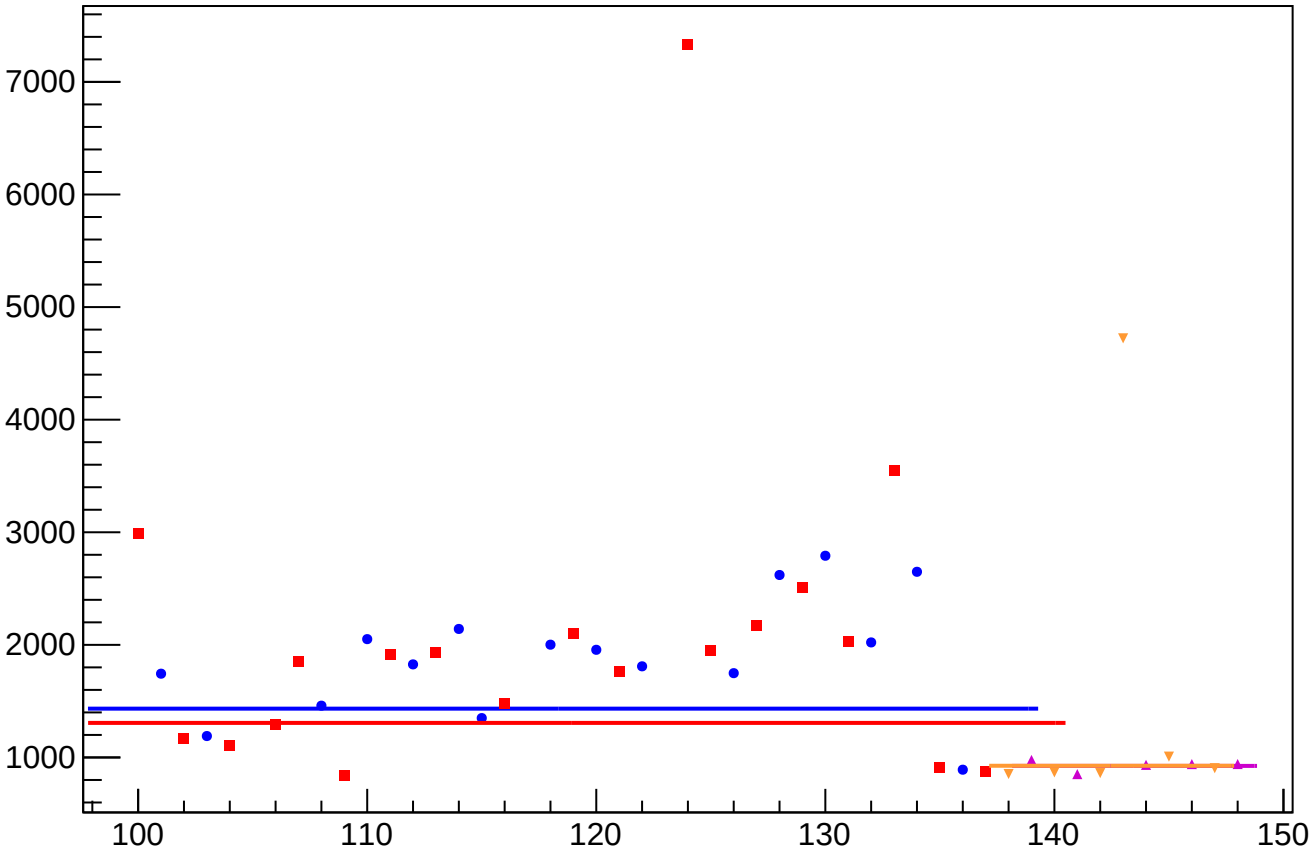
Left: -153.614+/-321.582 χ^2/NDF: 24.0/10

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

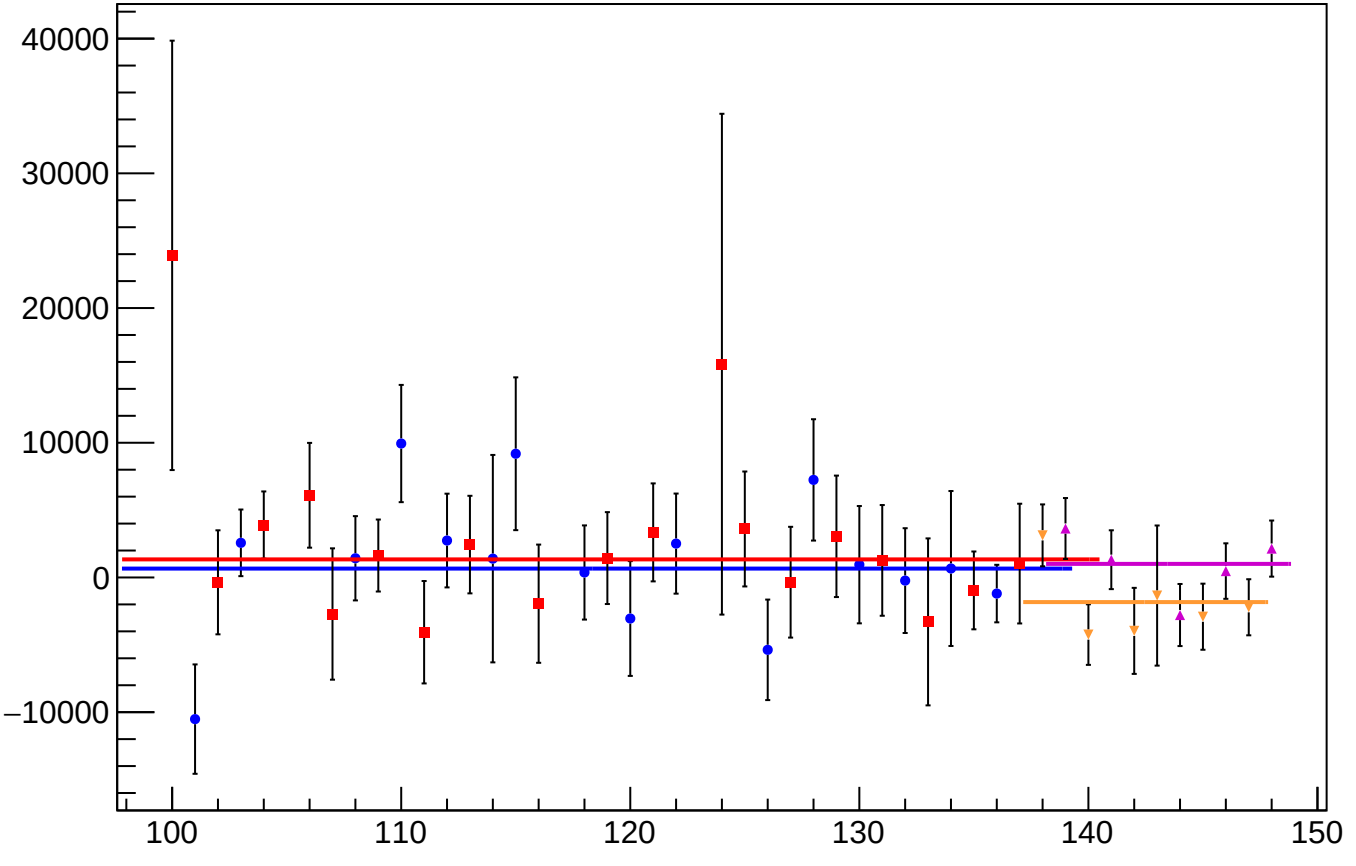
In: 138.213+/-350.749 χ^2/NDF:29.0/20

Out: -213.309+/-348.133 χ^2/NDF:35.5/24

All: -38.863+/-247.087 χ^2/NDF: 65.0/45


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 926.253+/-0.330 χ²/NDF:1087179.1/5
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 924.967+/-0.314 χ²/NDF:19002.6/4
Left: 925.579+/-0.227 χ²/NDF: 1106189.7/10
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1116.437+/-0.248 χ²/NDF:2769300.4/20
Out: 1094.593+/-0.246 χ²/NDF:3860739.8/24
All: 1105.433+/-0.175 χ²/NDF: 6633947.8/45

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1827.358+/-1042.977 χ^2/NDF:6.5/5

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 1007.933+/-971.457 χ^2/NDF:4.4/4

Left: -309.176+/-710.864 χ^2/NDF: 14.9/10

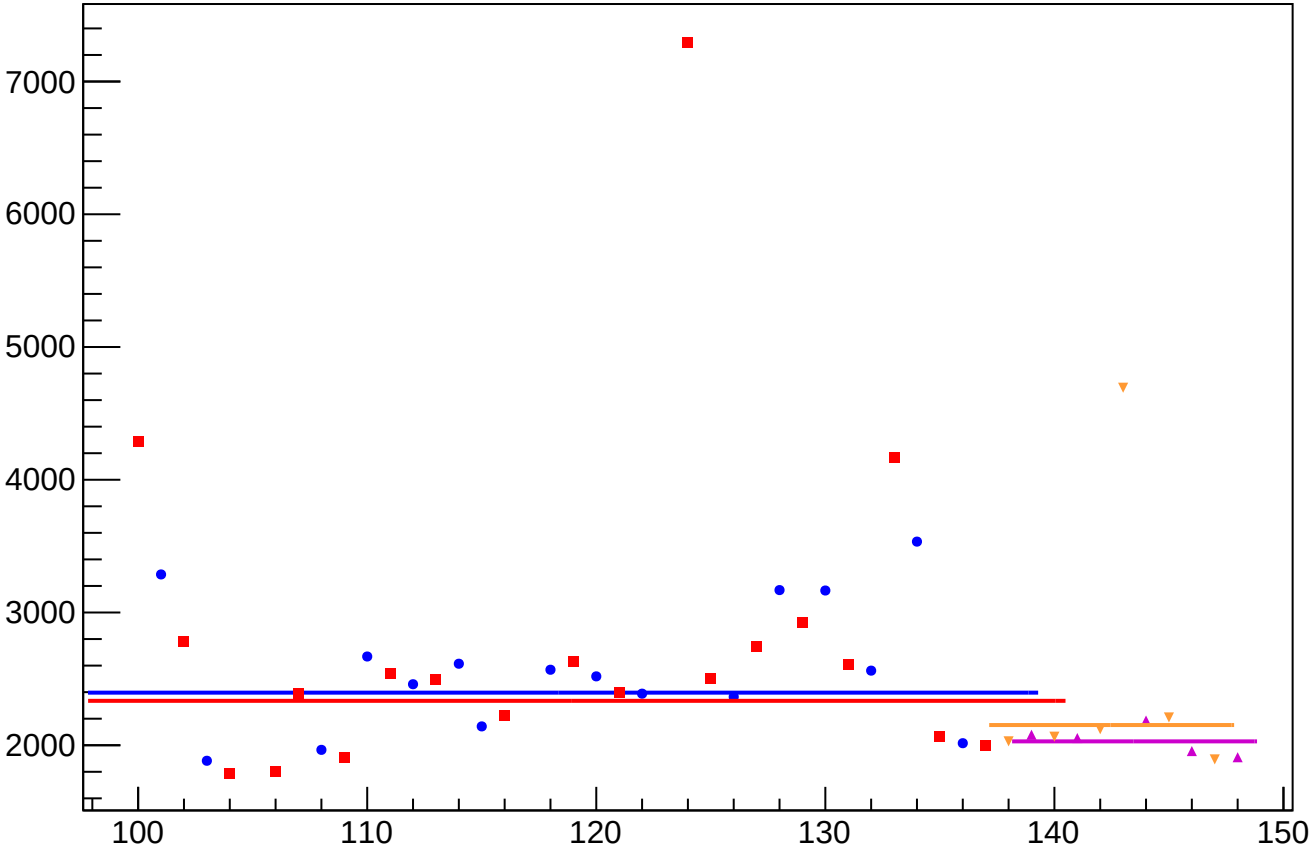
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 822.243+/-663.964 χ^2/NDF:26.5/20

Out: 5.584+/-677.267 χ^2/NDF:22.7/24

All: 422.012+/-474.127 χ^2/NDF: 49.9/45

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2152.229+/-0.737 χ^2/NDF:518332.9/5

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2029.167+/-0.687 χ^2/NDF:19617.3/4

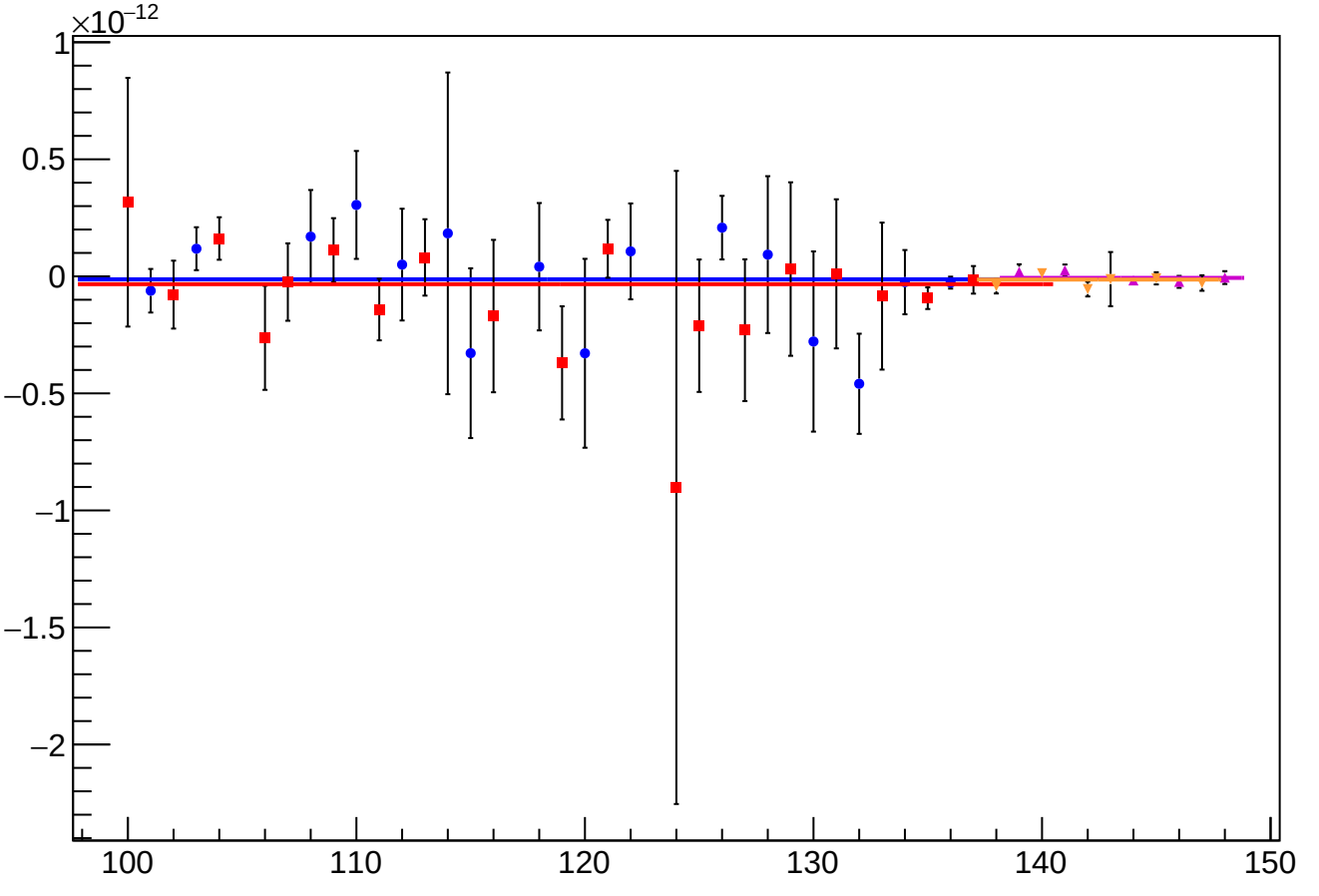
Left: 2086.334+/-0.503 χ^2/NDF: 552859.4/10

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2224.787+/-0.469 χ^2/NDF:679705.9/20

Out: 2257.696+/-0.479 χ^2/NDF:1235263.6/24

All: 2240.915+/-0.335 χ^2/NDF: 1917377.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/4

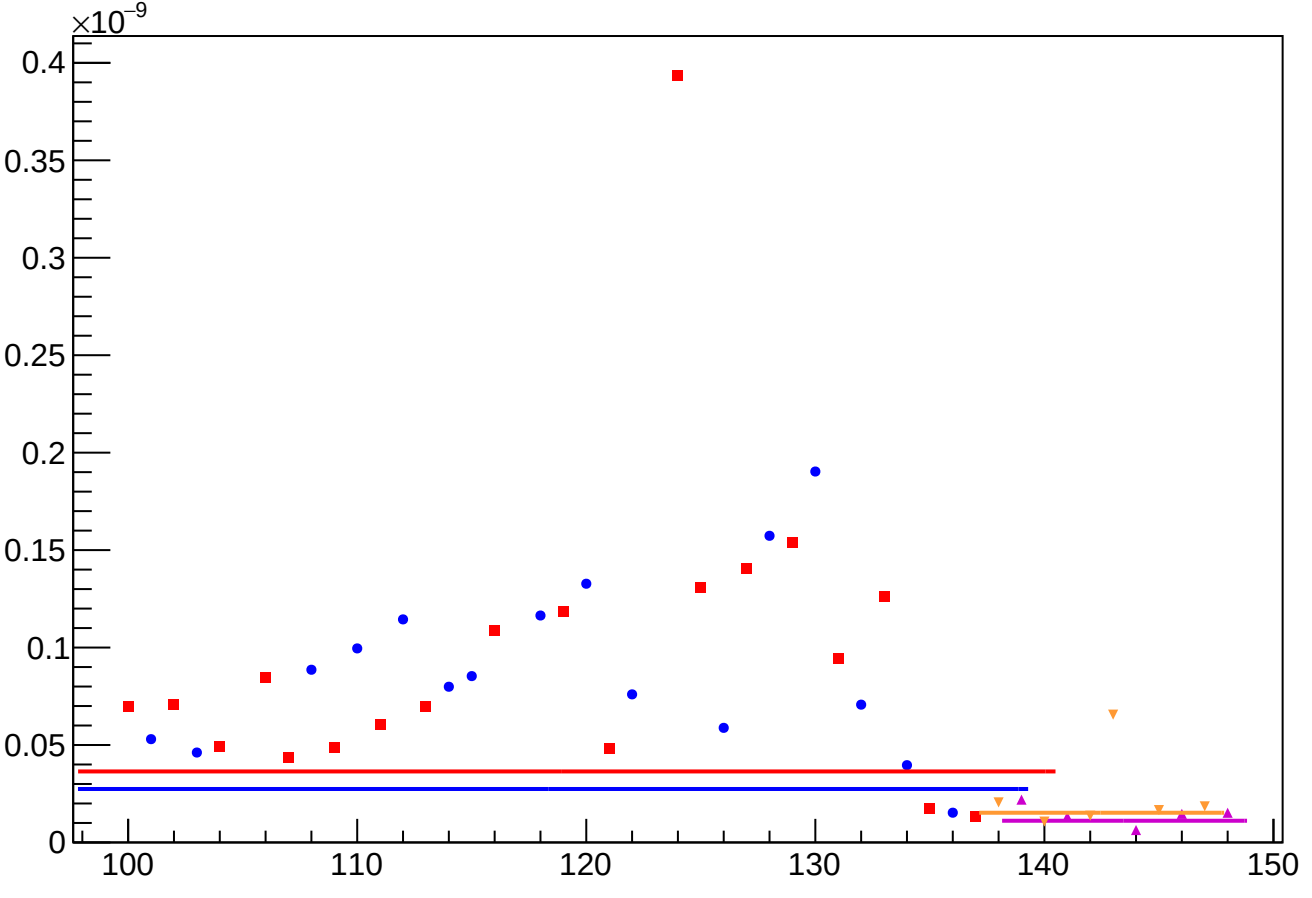
Left: -0.000+/-0.000 χ^2/NDF: 8.6/10

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:18.4/20

Out: -0.000+/-0.000 χ^2/NDF:20.4/24

All: -0.000+/-0.000 χ^2/NDF: 39.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:582393.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:567862.6/4

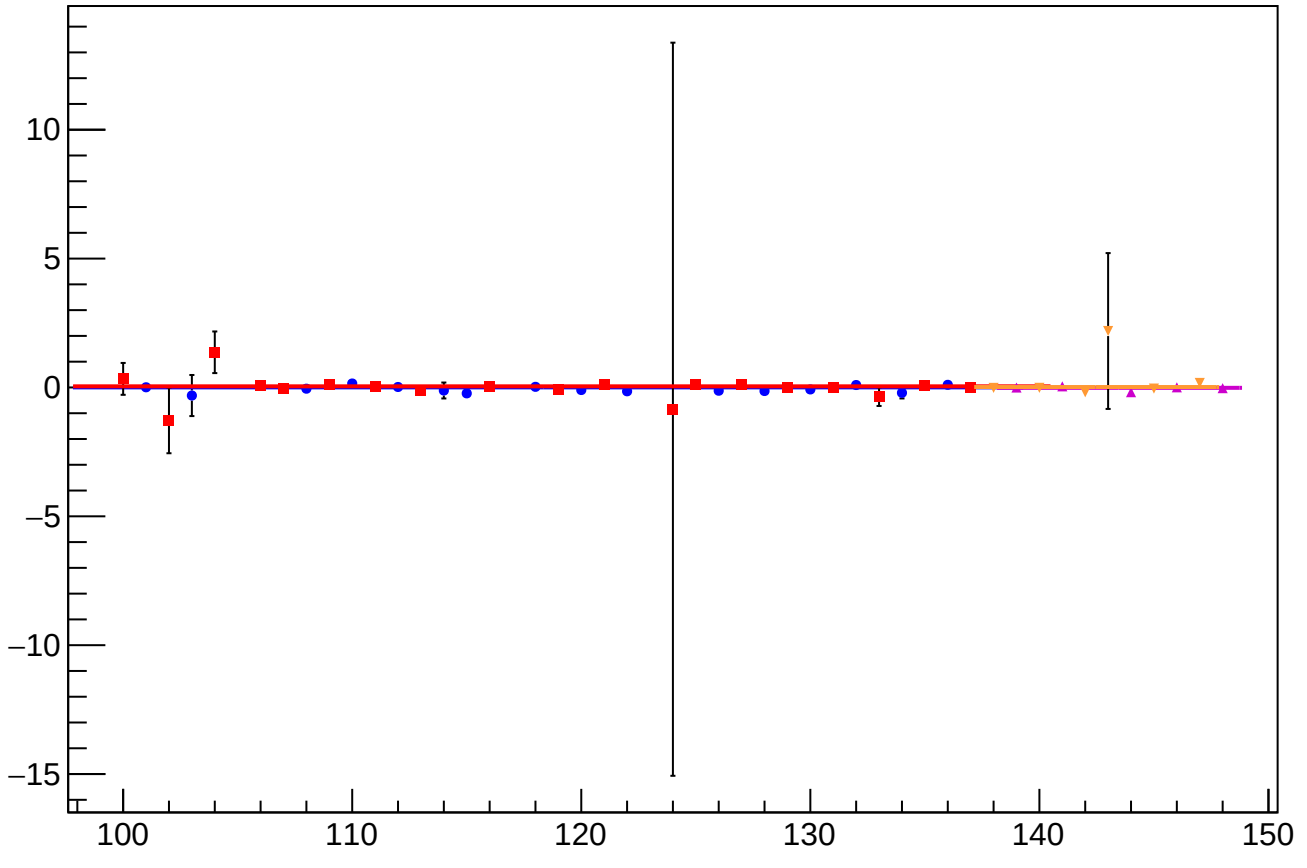
Left: 0.000+/-0.000 χ^2/NDF: 1296993.1/10

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4203699.0/20

Out: 0.000+/-0.000 χ^2/NDF:4000846.0/24

All: 0.000+/-0.000 χ^2/NDF: 8428966.1/45



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

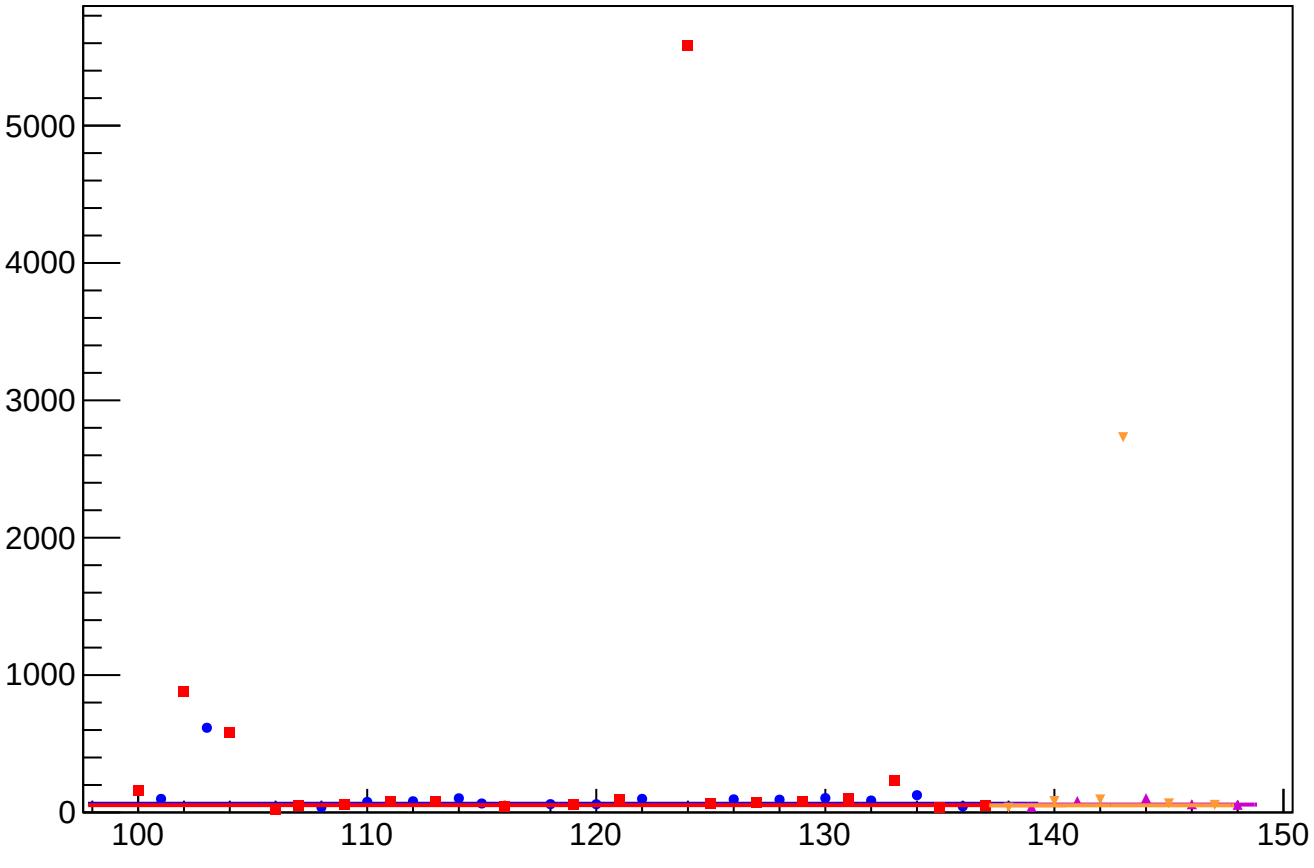
Left: 0.001+/-0.022 χ^2/NDF: 13.2/10

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.015+/-0.014 χ^2/NDF: 41.1/45



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 51.847+/-0.022 χ^2/NDF:2319571.0/5

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

Left: 54.596+/-0.015 χ^2/NDF: 3078968.4/10

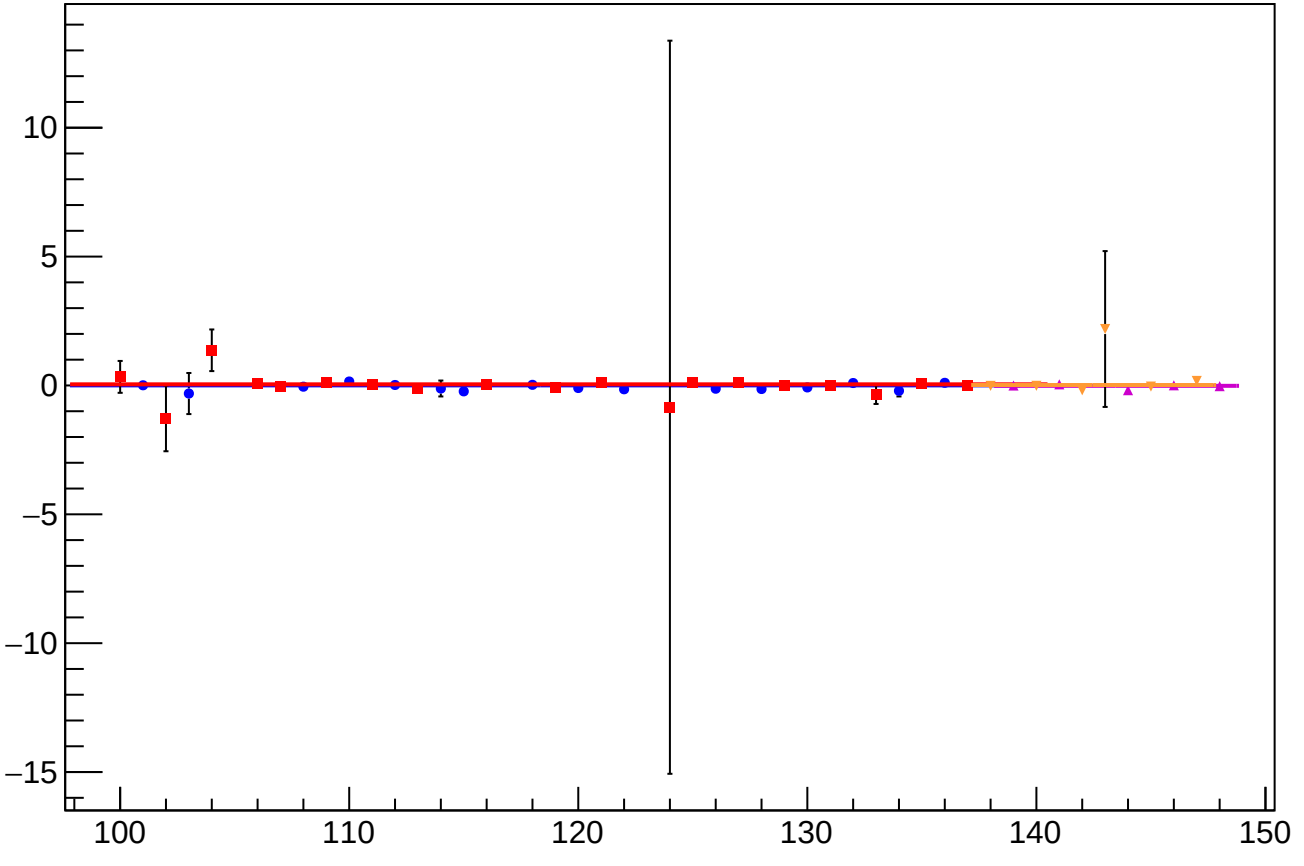
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.785+/-0.014 χ^2/NDF:3215947.7/20

Out: 52.666+/-0.014 χ^2/NDF:6267732.8/24

All: 56.500+/-0.010 χ^2/NDF: 9651196.3/45

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

Left: 0.001+/-0.022 χ^2/NDF: 13.2/10

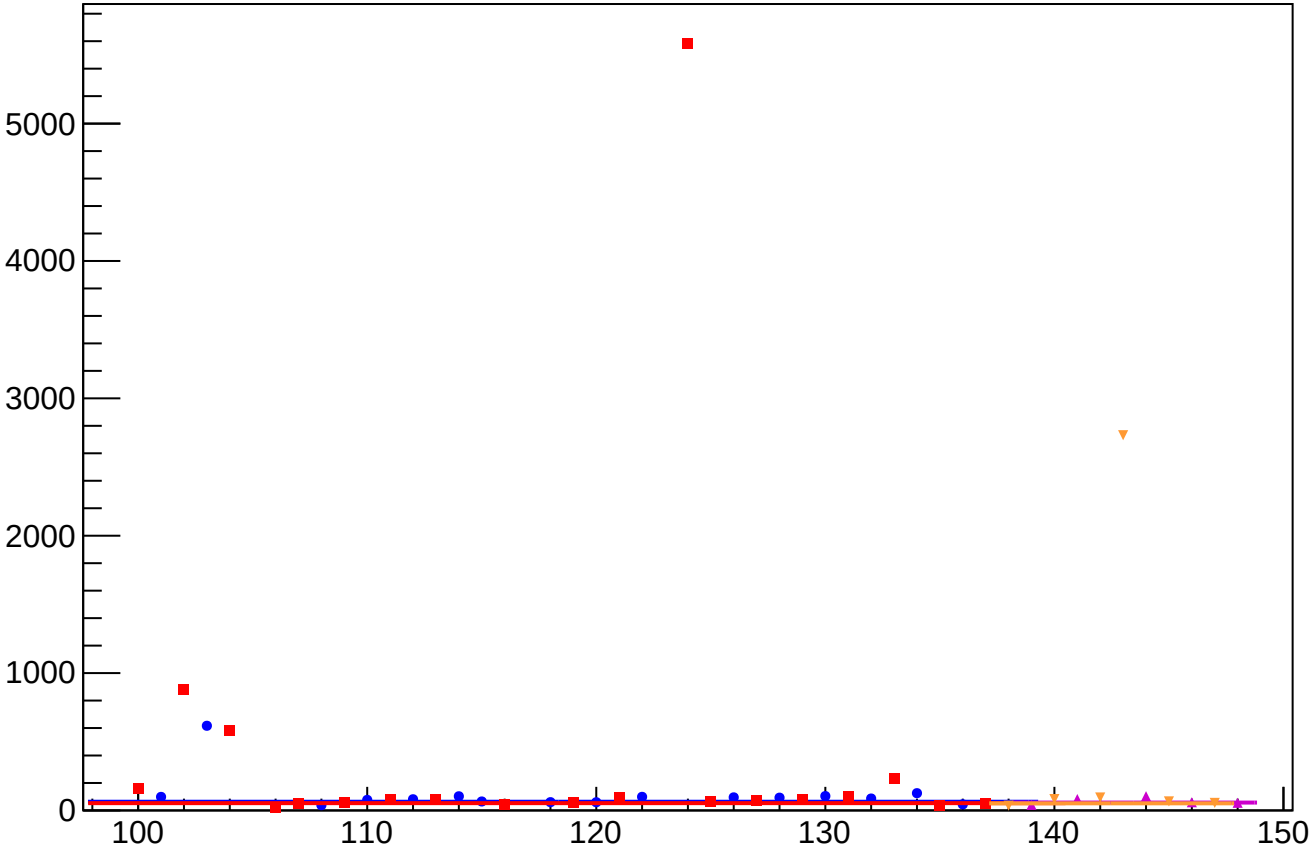
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.015+/-0.014 χ^2/NDF: 41.1/45

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 51.847+/-0.022 χ^2/NDF:2319571.0/5

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

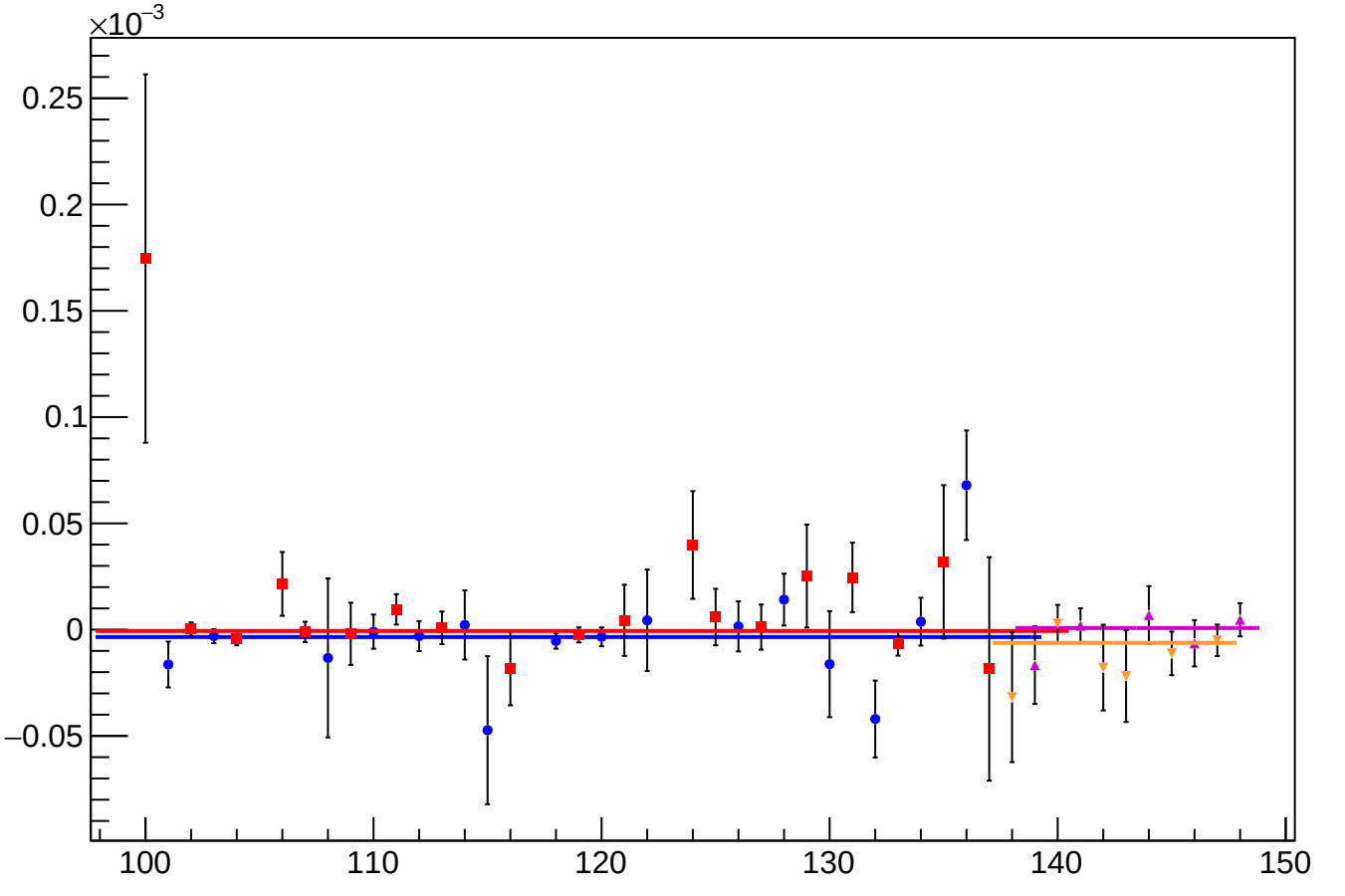
Left: 54.596+/-0.015 χ^2/NDF: 3078968.4/10

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.785+/-0.014 χ^2/NDF:3215947.7/20

Out: 52.666+/-0.014 χ^2/NDF:6267732.8/24

All: 56.500+/-0.010 χ^2/NDF: 9651196.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

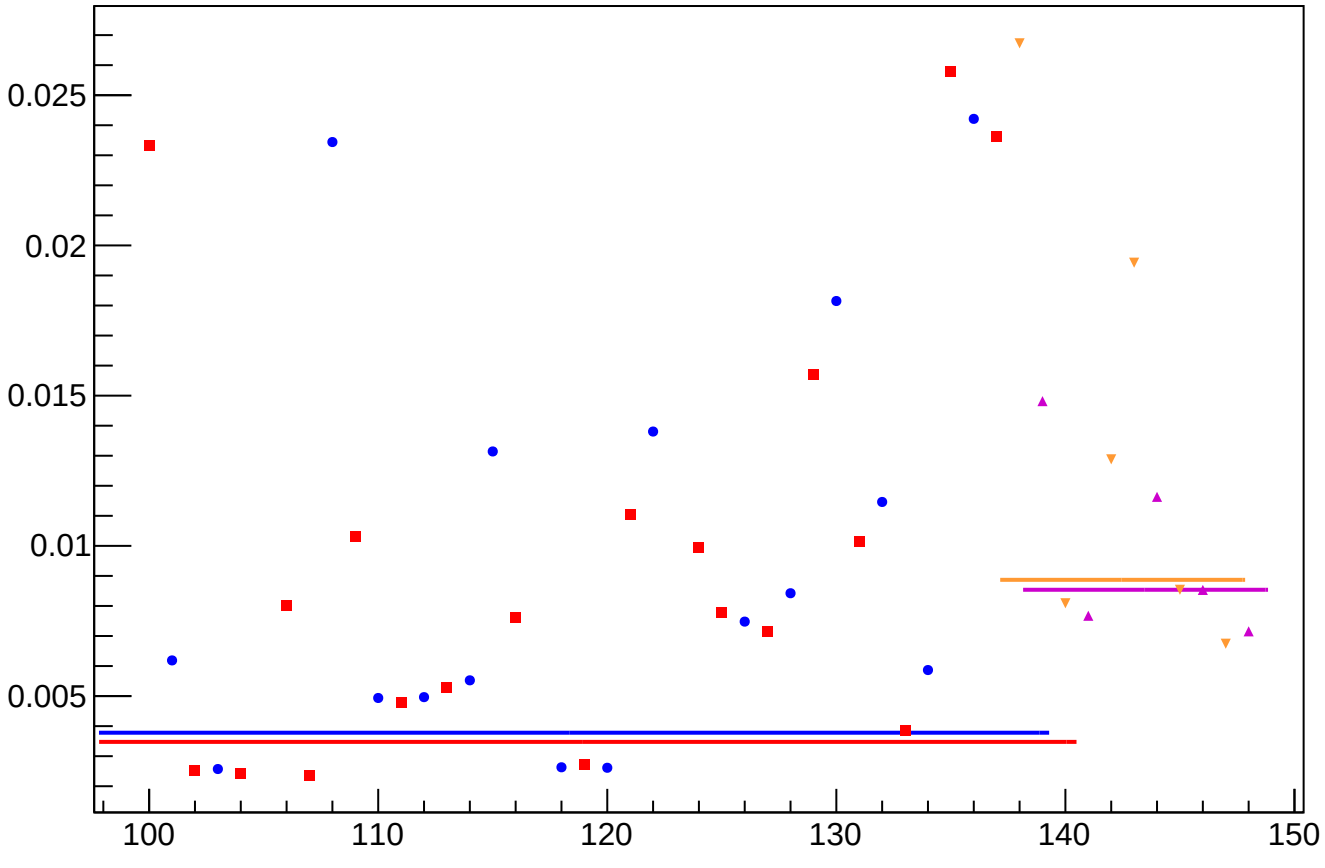
Left: -0.000+/-0.000 χ^2/NDF: 5.8/10

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:21.4/20

Out: -0.000+/-0.000 χ^2/NDF:23.3/24

All: -0.000+/-0.000 χ^2/NDF: 45.3/45



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:1425243.6/5

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:425208.3/4

Left: 0.009+/-0.000 χ^2/NDF: 1855617.1/10

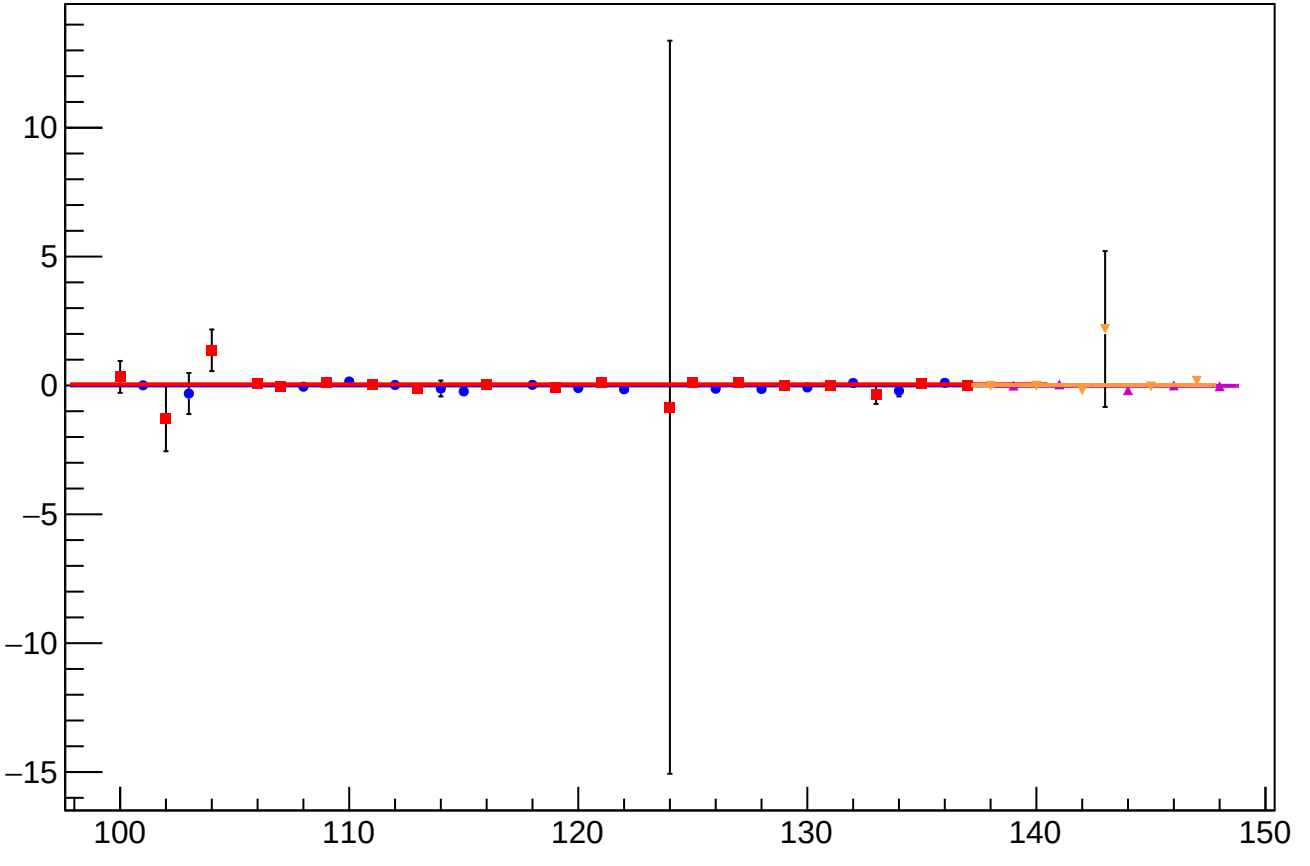
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:7022588.2/20

Out: 0.004+/-0.000 χ^2/NDF:8338495.1/24

All: 0.004+/-0.000 χ^2/NDF: 15434167.4/45

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

Left: 0.001+/-0.022 χ^2/NDF: 13.2/10

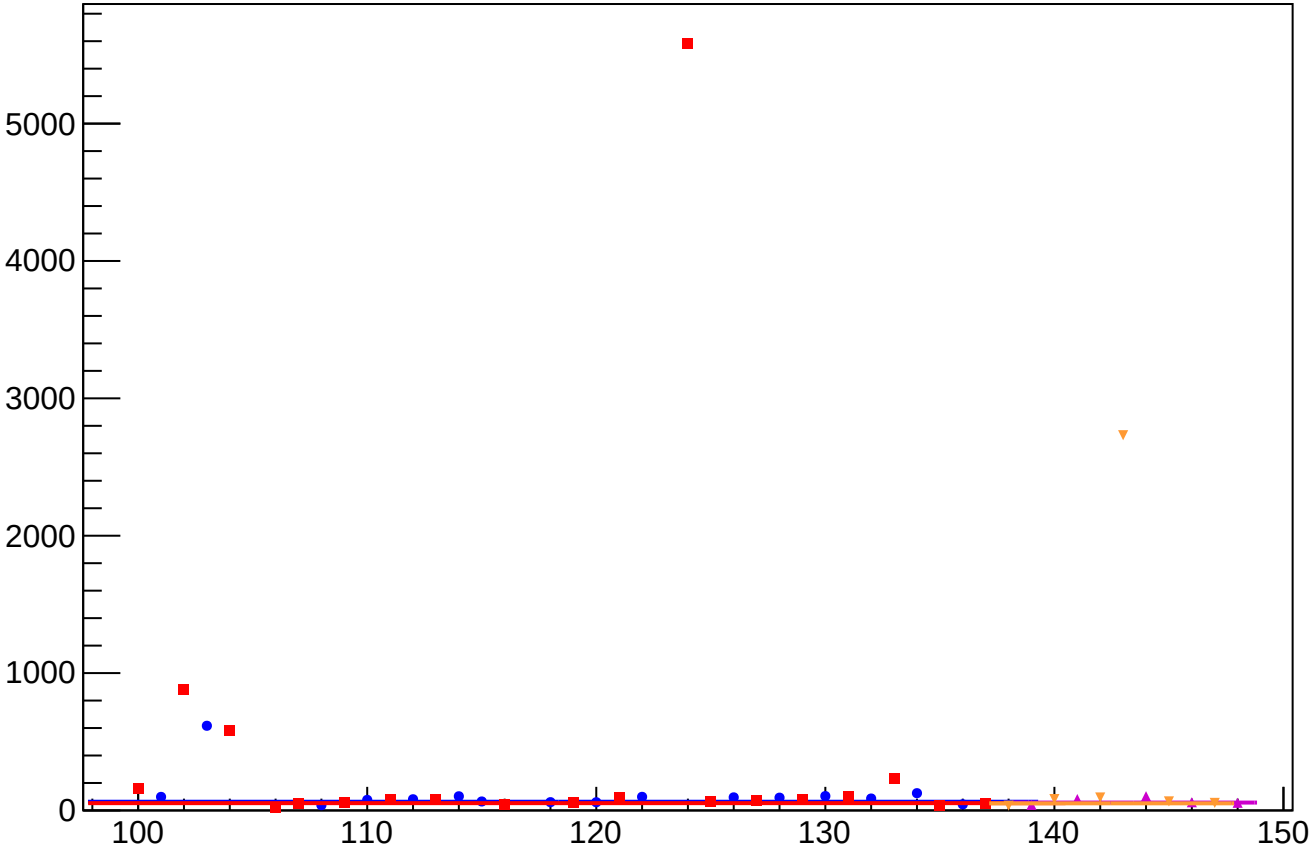
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.015+/-0.014 χ^2/NDF: 41.1/45

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 51.844+/-0.022 χ^2/NDF:2319472.4/5

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

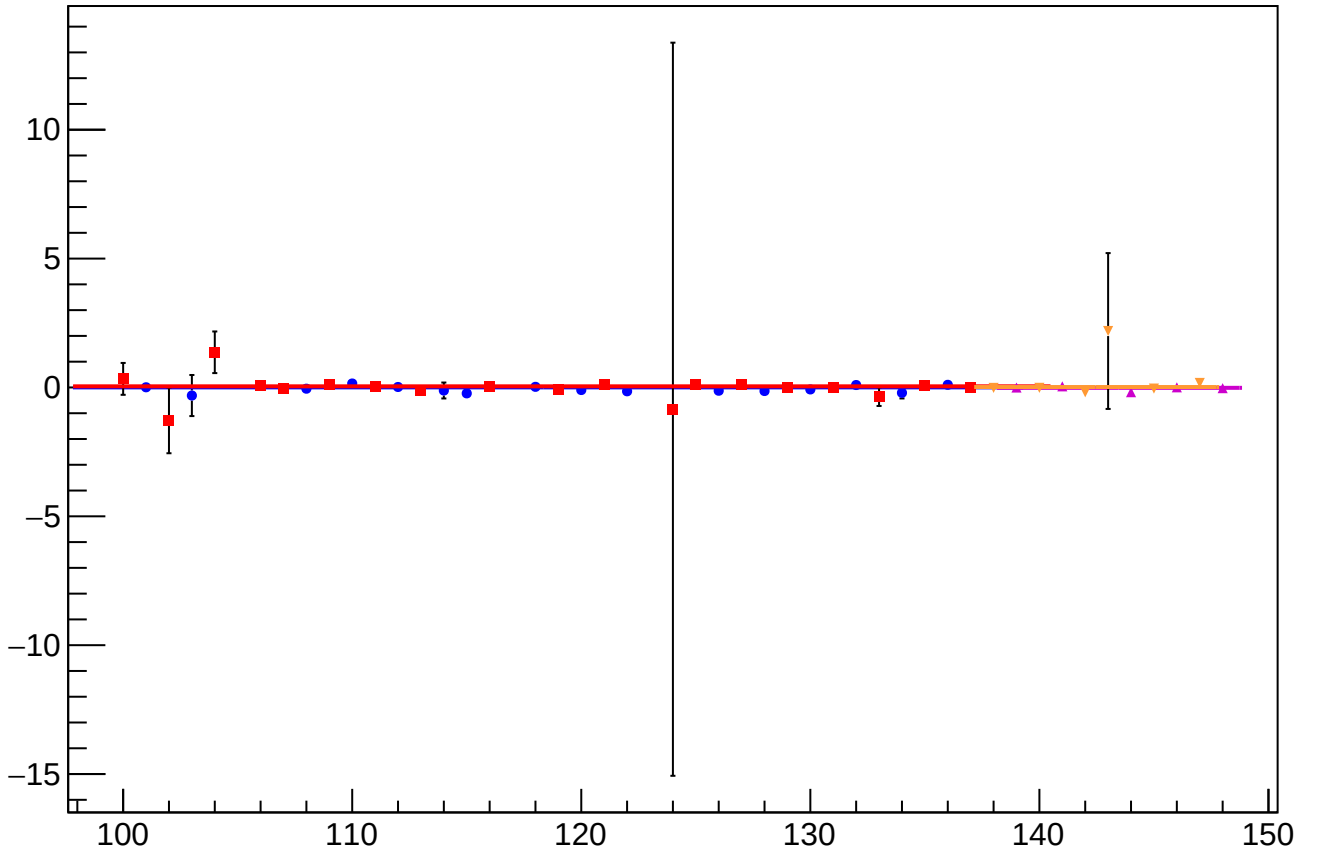
Left: 54.597+/-0.015 χ^2/NDF: 3078619.5/10

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.792+/-0.014 χ^2/NDF:3214769.9/20

Out: 52.662+/-0.014 χ^2/NDF:6268173.9/24

All: 56.501+/-0.010 χ^2/NDF: 9650904.6/45



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

Left: 0.001+/-0.022 χ^2/NDF: 13.2/10

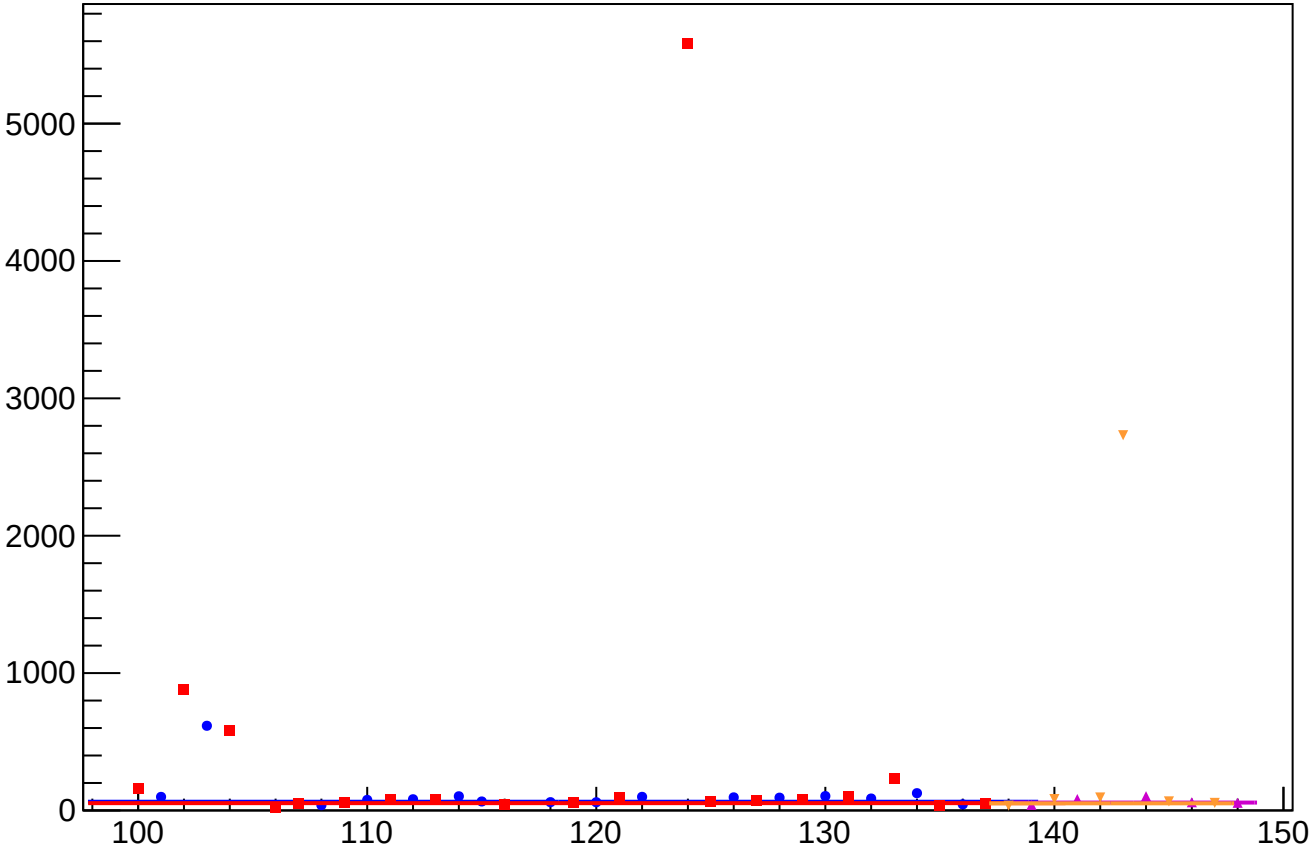
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.015+/-0.014 χ^2/NDF: 41.1/45

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: 51.844+/-0.022 χ^2/NDF:2319472.4/5

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

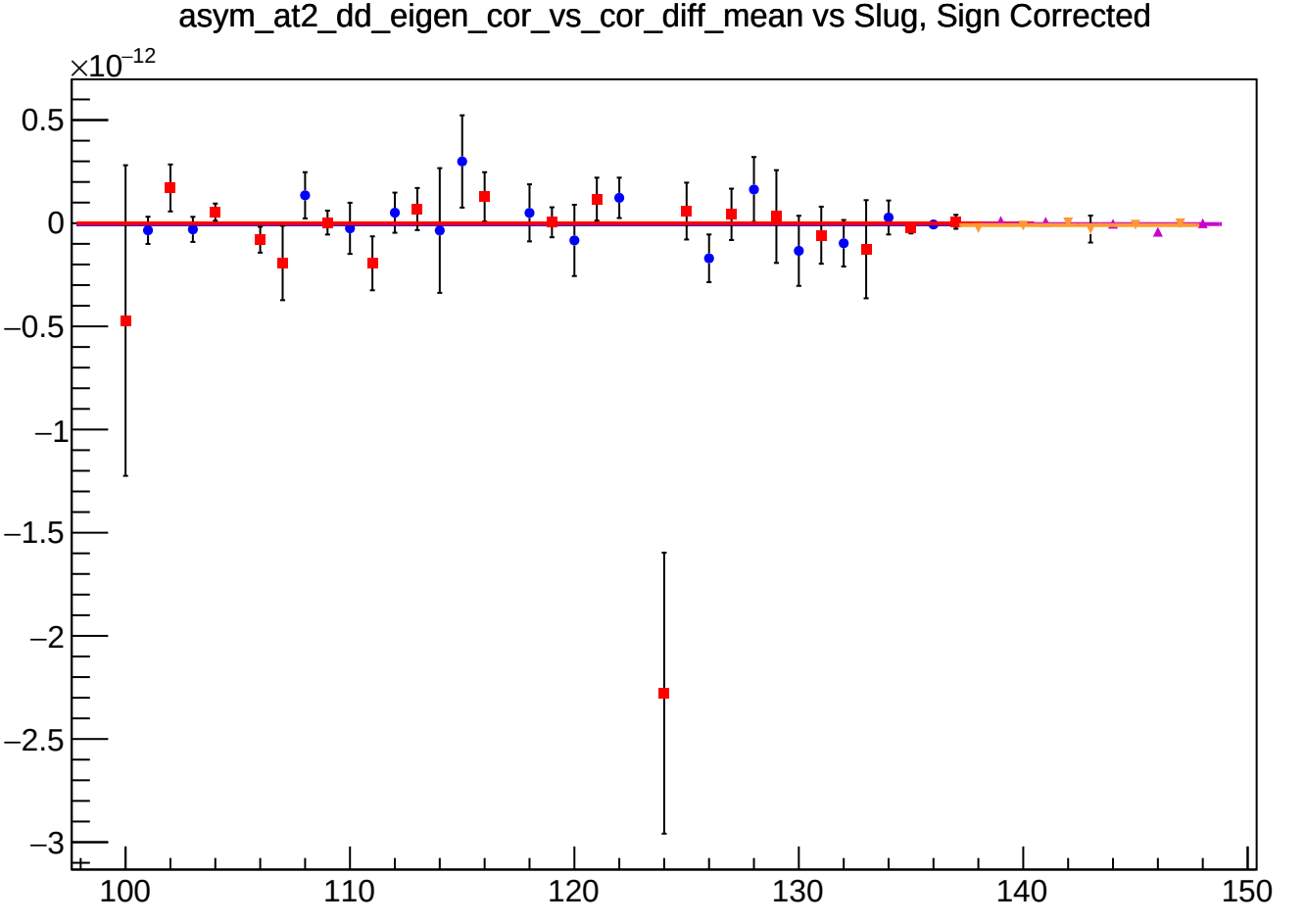
Left: 54.597+/-0.015 χ^2/NDF: 3078619.5/10

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.792+/-0.014 χ^2/NDF:3214769.9/20

Out: 52.662+/-0.014 χ^2/NDF:6268173.9/24

All: 56.501+/-0.010 χ^2/NDF: 9650904.6/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/4

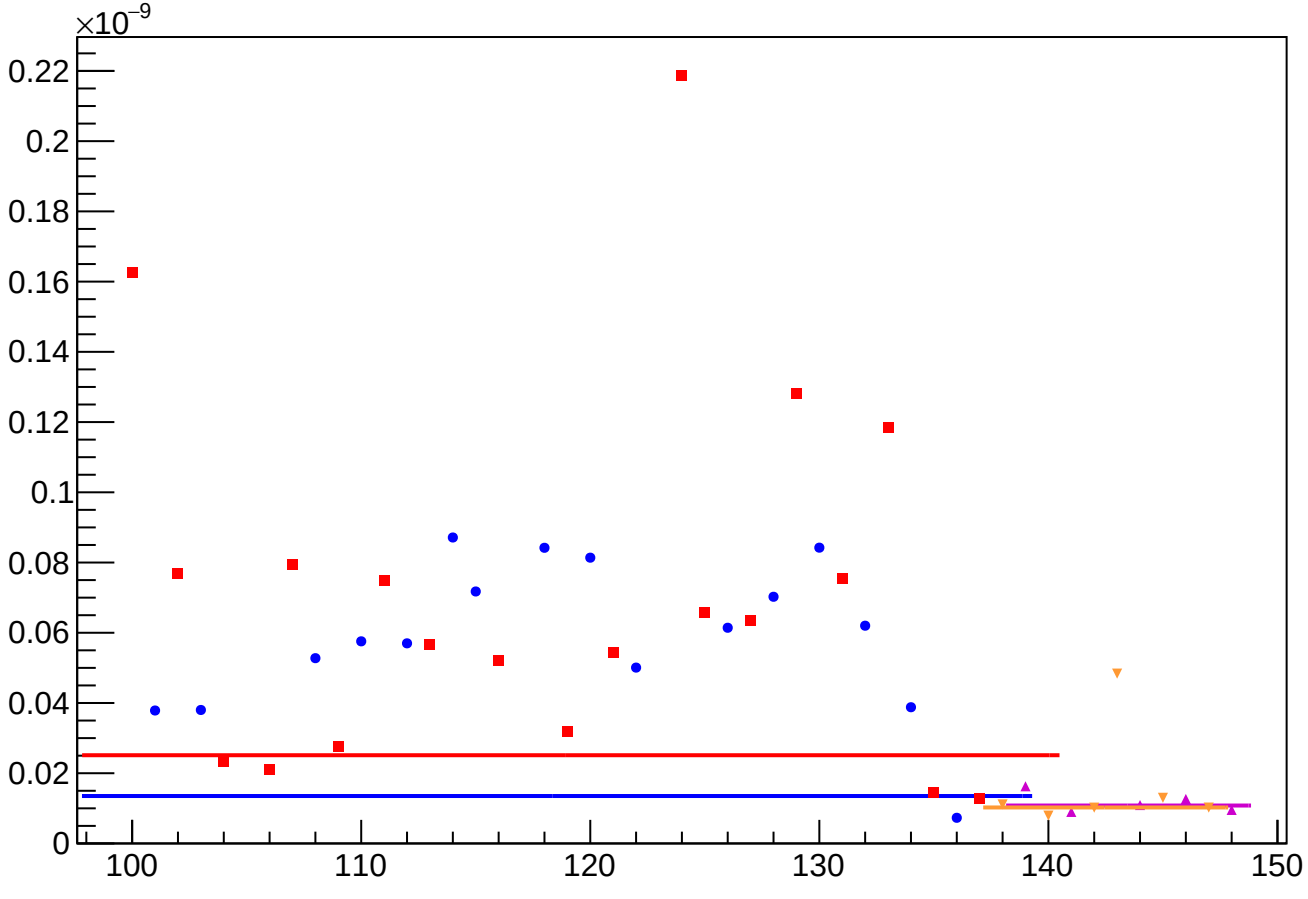
Left: -0.000+/-0.000 χ^2/NDF: 9.1/10

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.7/20

Out: -0.000+/-0.000 χ^2/NDF:27.3/24

All: -0.000+/-0.000 χ^2/NDF: 45.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:840134.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:213663.9/4

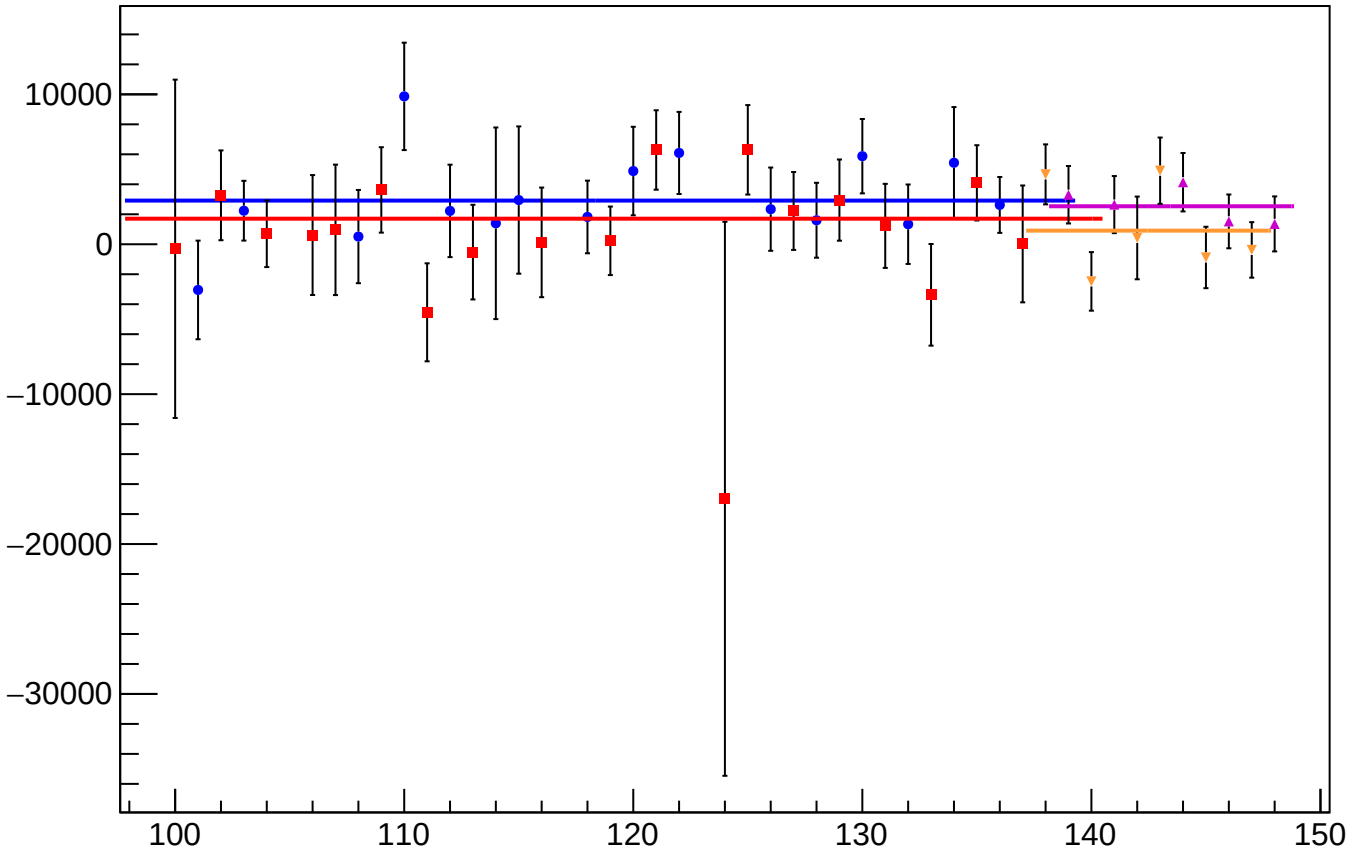
Left: 0.000+/-0.000 χ^2/NDF: 1061185.9/10

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5306164.9/20

Out: 0.000+/-0.000 χ^2/NDF:6080102.4/24

All: 0.000+/-0.000 χ^2/NDF: 11411570.2/45



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.781+/-851.985 χ^2/NDF:11.1/5

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2534.259+/-839.522 χ^2/NDF:1.6/4

Left: 1733.496+/-597.990 χ^2/NDF: 14.5/10

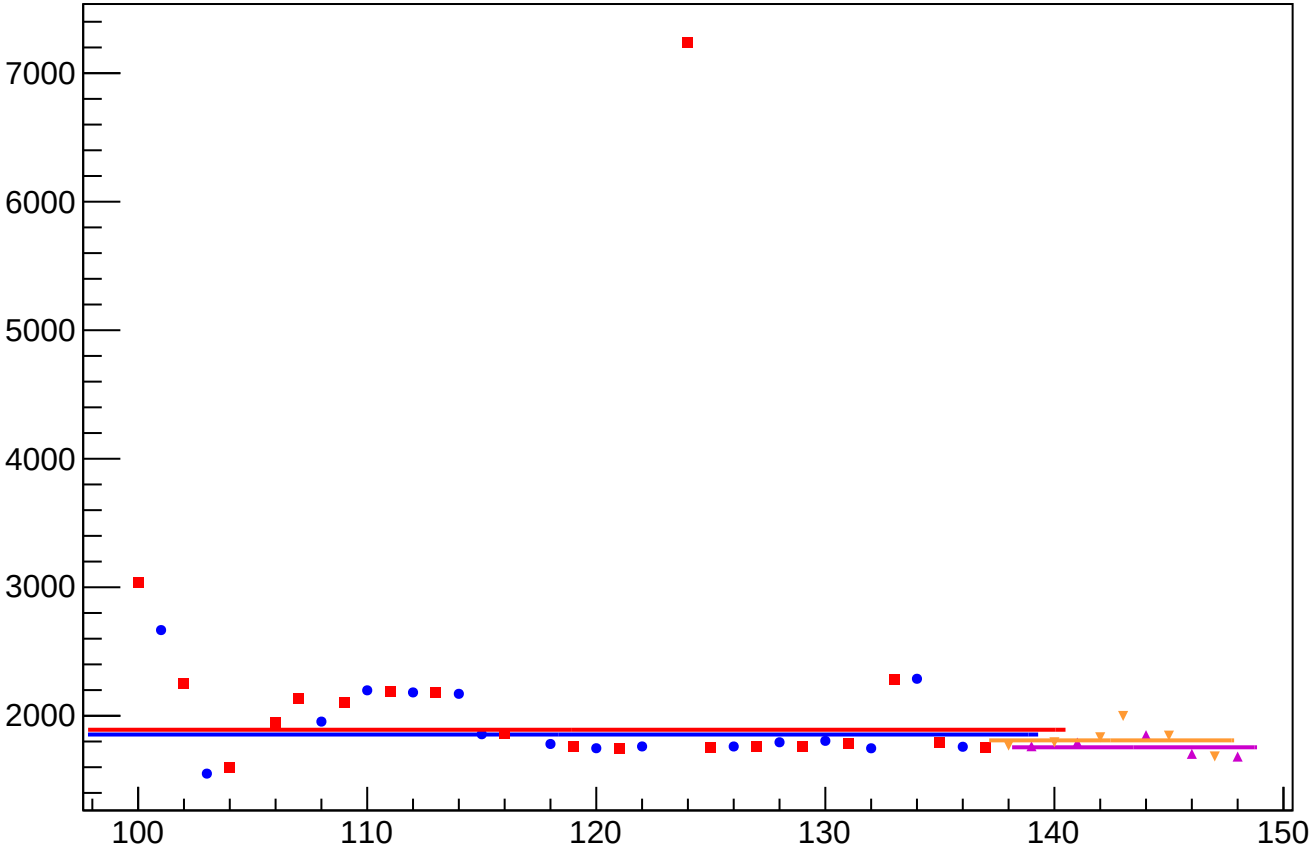
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2758.964+/-535.382 χ^2/NDF:14.1/20

Out: 1380.330+/-544.000 χ^2/NDF:27.4/24

All: 2080.653+/-381.583 χ^2/NDF: 44.8/45

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

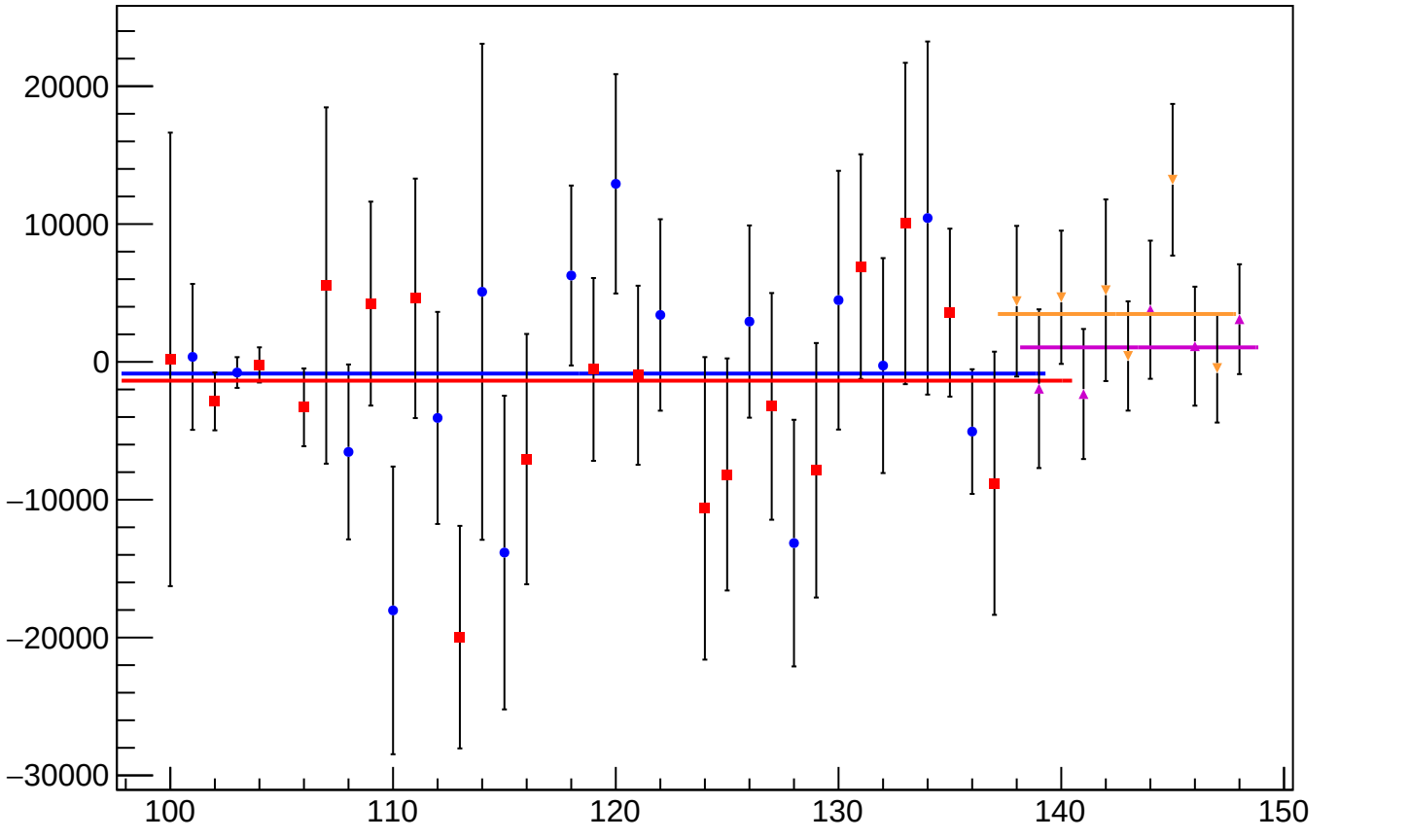
Left: 1781.508+/-0.423 χ^2/NDF: 39812.3/10

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1813.905+/-0.379 χ^2/NDF:290117.0/20

Out: 1857.881+/-0.384 χ^2/NDF:400787.2/24

All: 1835.572+/-0.270 χ^2/NDF: 697552.5/45



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 3474.944+/-1961.460 χ^2/NDF:4.9/5

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 1052.512+/-2078.128 χ^2/NDF:1.3/4

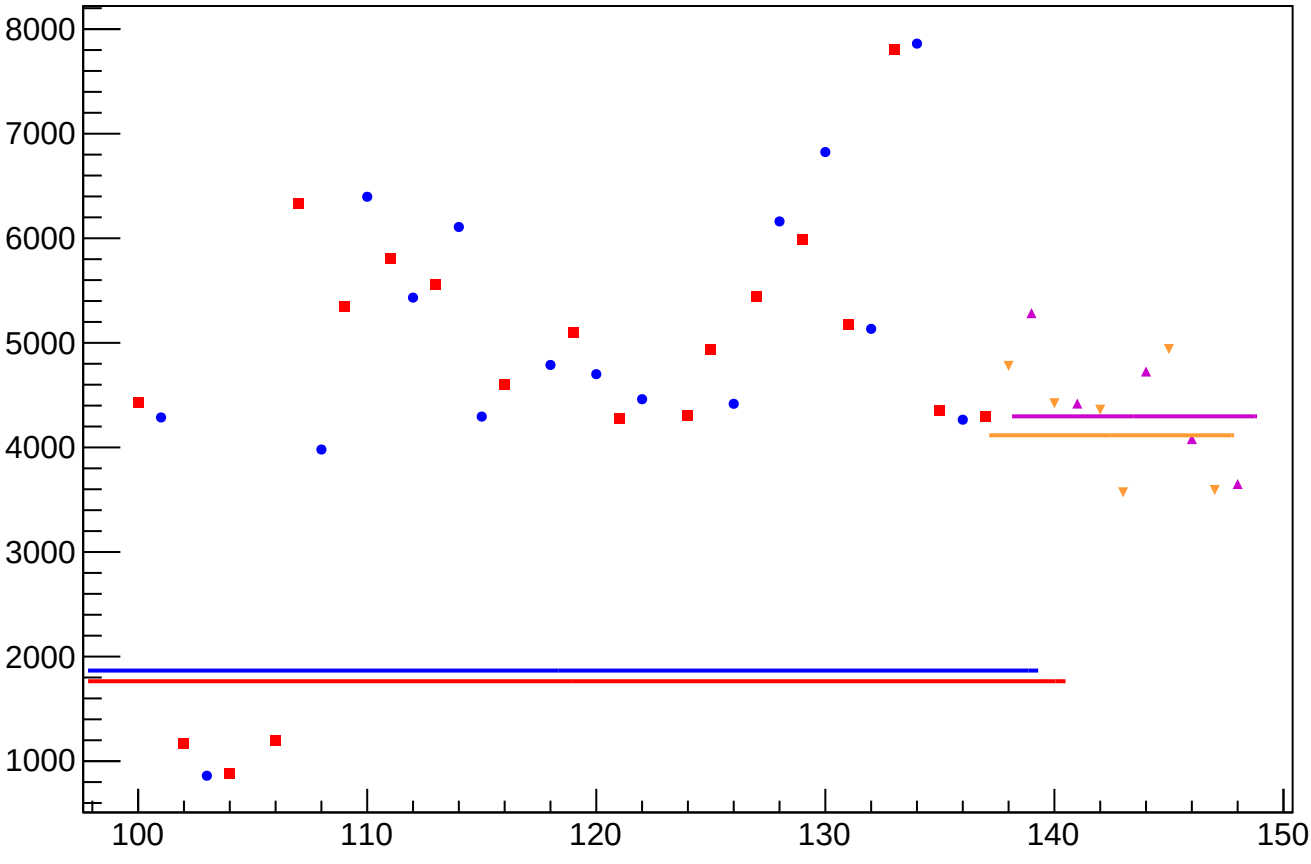
Left: 2333.632+/-1426.424 χ^2/NDF: 6.9/10

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -512.060+/-873.686 χ^2/NDF:15.9/20

Out: -495.712+/-829.902 χ^2/NDF:23.9/24

All: -503.467+/-601.713 χ^2/NDF: 39.8/45



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4116.087+/-1.387 χ^2/NDF:158079.5/5

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4297.248+/-1.469 χ^2/NDF:132512.6/4

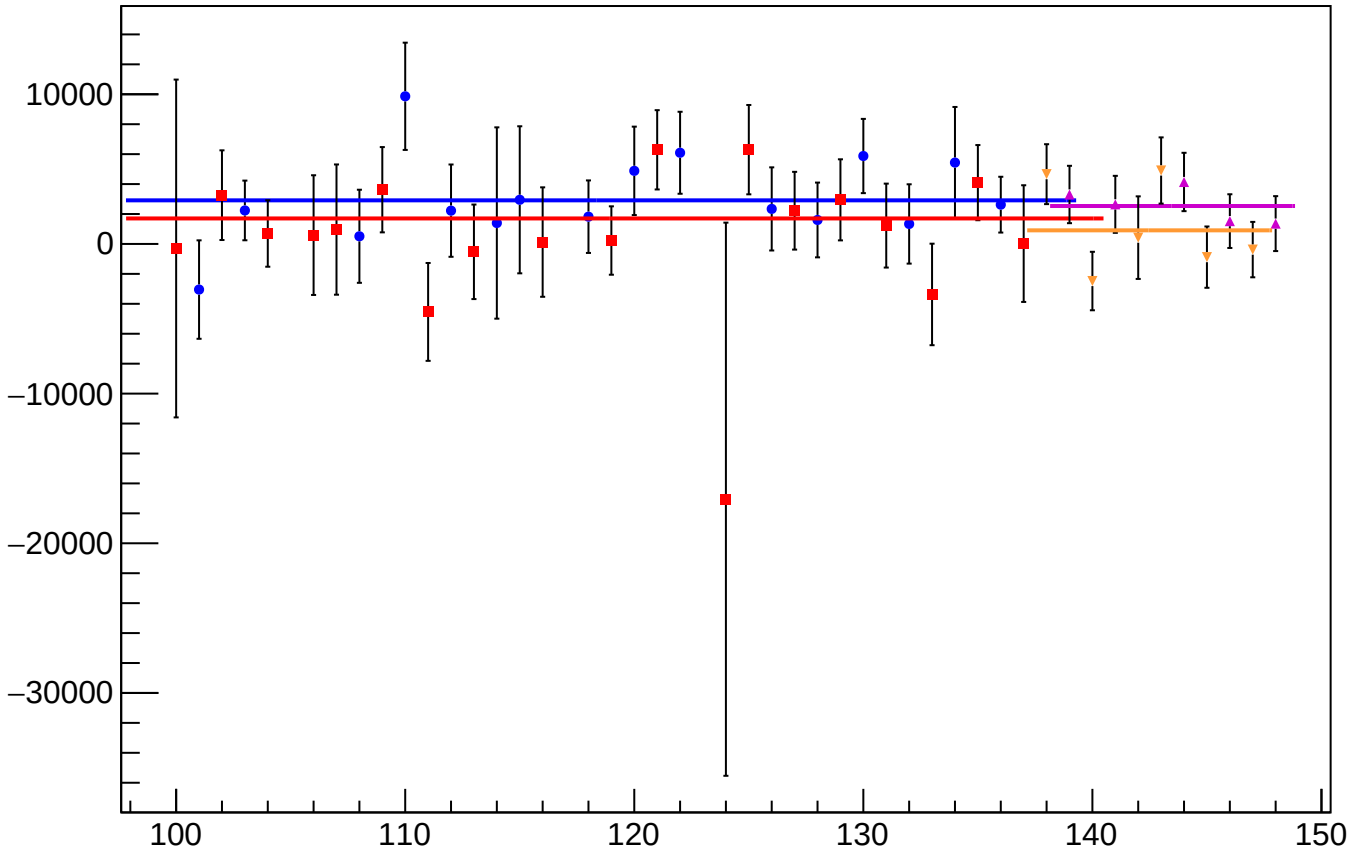
Left: 4201.439+/-1.009 χ^2/NDF: 298630.2/10

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2296.063+/-0.618 χ^2/NDF:9234986.8/20

Out: 2185.295+/-0.587 χ^2/NDF:8953407.6/24

All: 2237.834+/-0.425 χ^2/NDF: 18205293.8/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.668+/-851.985 χ^2/NDF:11.1/5

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2534.623+/-839.522 χ^2/NDF:1.6/4

Left: 1733.625+/-597.990 χ^2/NDF: 14.5/10

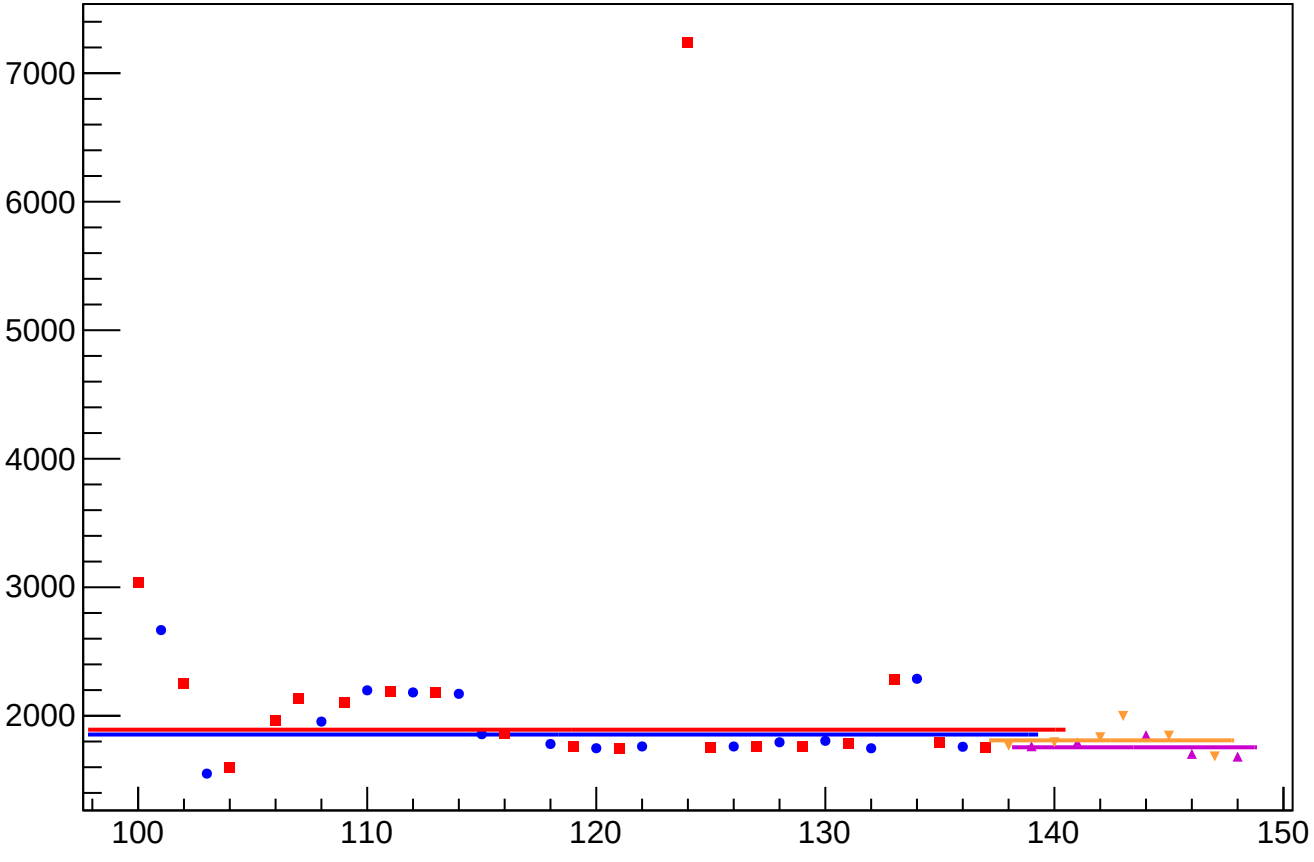
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2759.171+/-535.382 χ^2/NDF:14.1/20

Out: 1379.466+/-544.000 χ^2/NDF:27.4/24

All: 2080.333+/-381.583 χ^2/NDF: 44.8/45

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

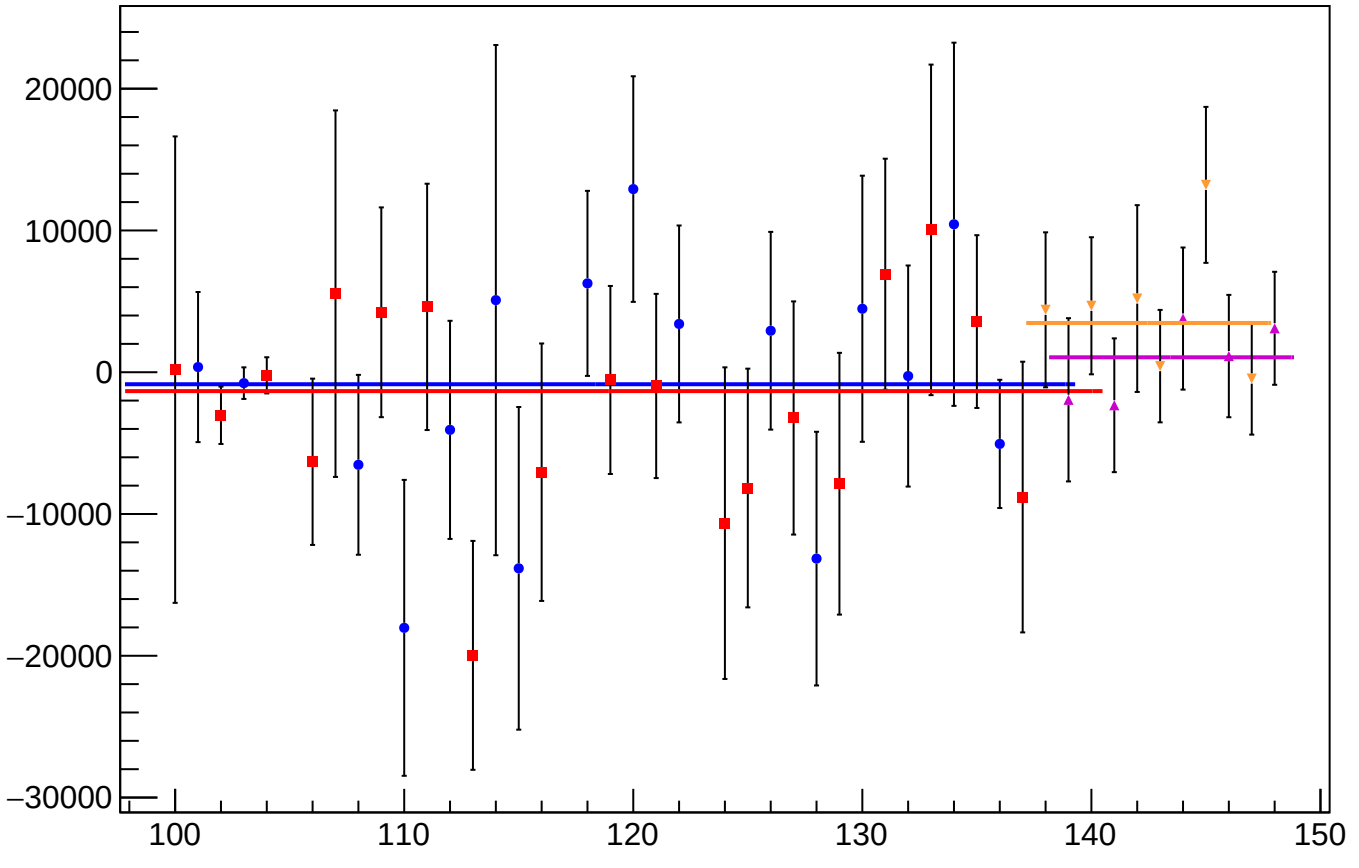
Left: 1781.508+/-0.423 χ^2/NDF: 39812.3/10

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1813.906+/-0.379 χ^2/NDF:290116.9/20

Out: 1858.144+/-0.384 χ^2/NDF:401150.9/24

All: 1835.699+/-0.270 χ^2/NDF: 697994.8/45



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3474.802+/-1961.455 χ^2/NDF:4.9/5

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1052.701+/-2078.125 χ^2/NDF:1.3/4

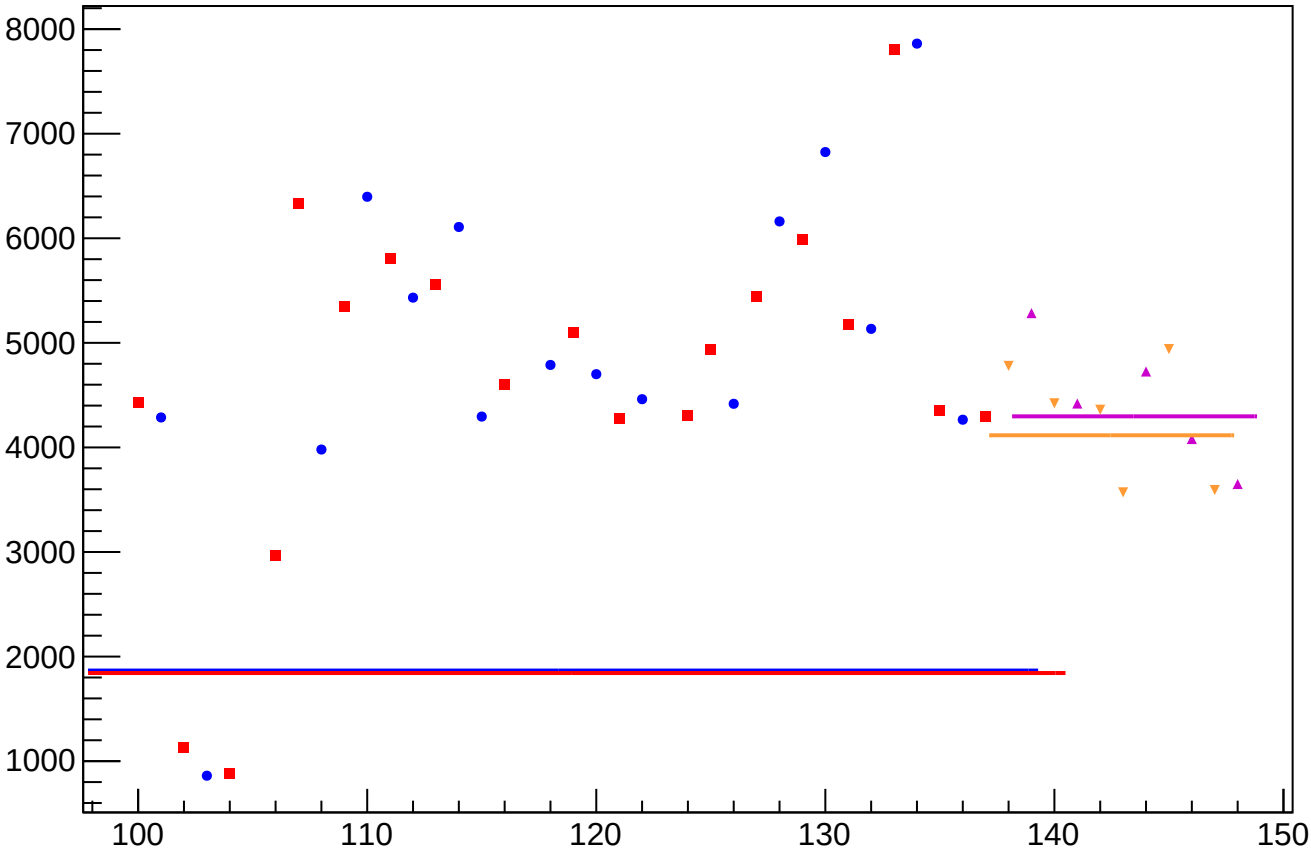
Left: 2333.647+/-1426.421 χ^2/NDF: 6.9/10

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -511.667+/-873.646 χ^2/NDF:15.9/20

Out: -421.021+/-853.656 χ^2/NDF:24.2/24

All: -465.295+/-610.571 χ^2/NDF: 40.1/45



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4116.076+/-1.387 χ^2/NDF:158081.1/5

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

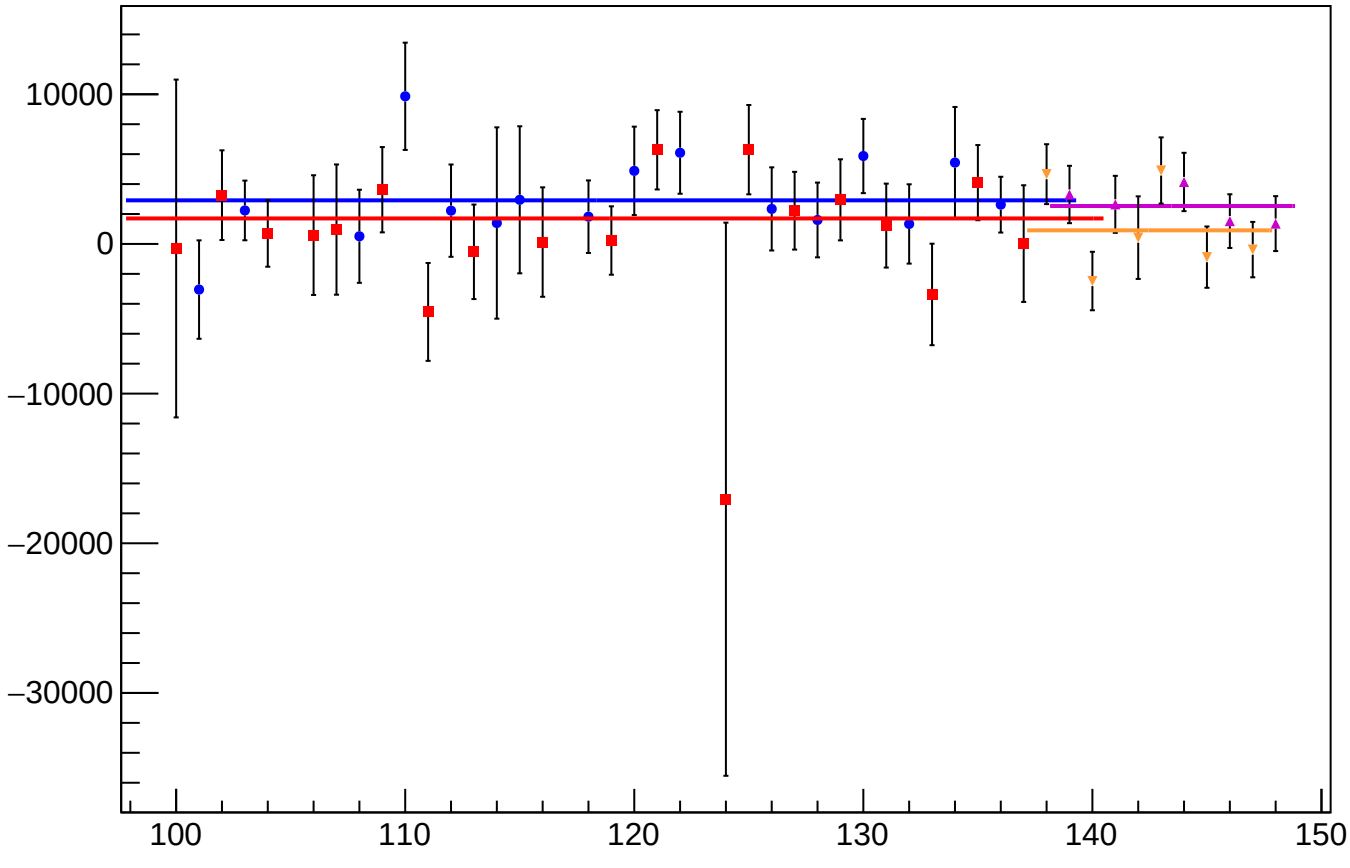
Left: 4201.430+/-1.009 χ^2/NDF: 298634.0/10

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2295.897+/-0.618 χ^2/NDF:9235731.3/20

Out: 2273.454+/-0.604 χ^2/NDF:8793975.9/24

All: 2284.416+/-0.432 χ^2/NDF: 18030382.4/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.668+/-851.985 χ^2/NDF:11.1/5

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2534.623+/-839.522 χ^2/NDF:1.6/4

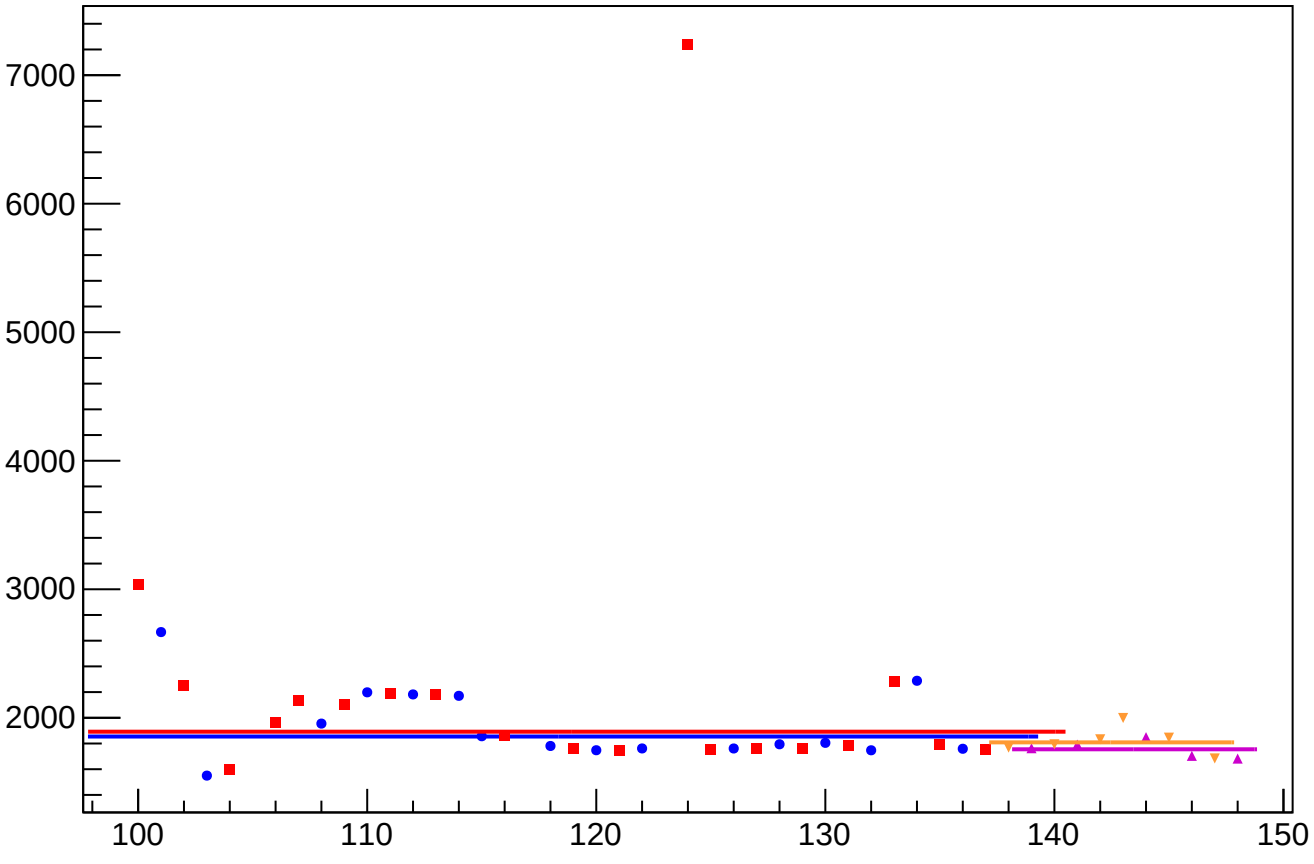
Left: 1733.625+/-597.990 χ^2/NDF: 14.5/10

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2759.171+/-535.382 χ^2/NDF:14.1/20

Out: 1379.466+/-544.000 χ^2/NDF:27.4/24

All: 2080.333+/-381.583 χ^2/NDF: 44.8/45



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

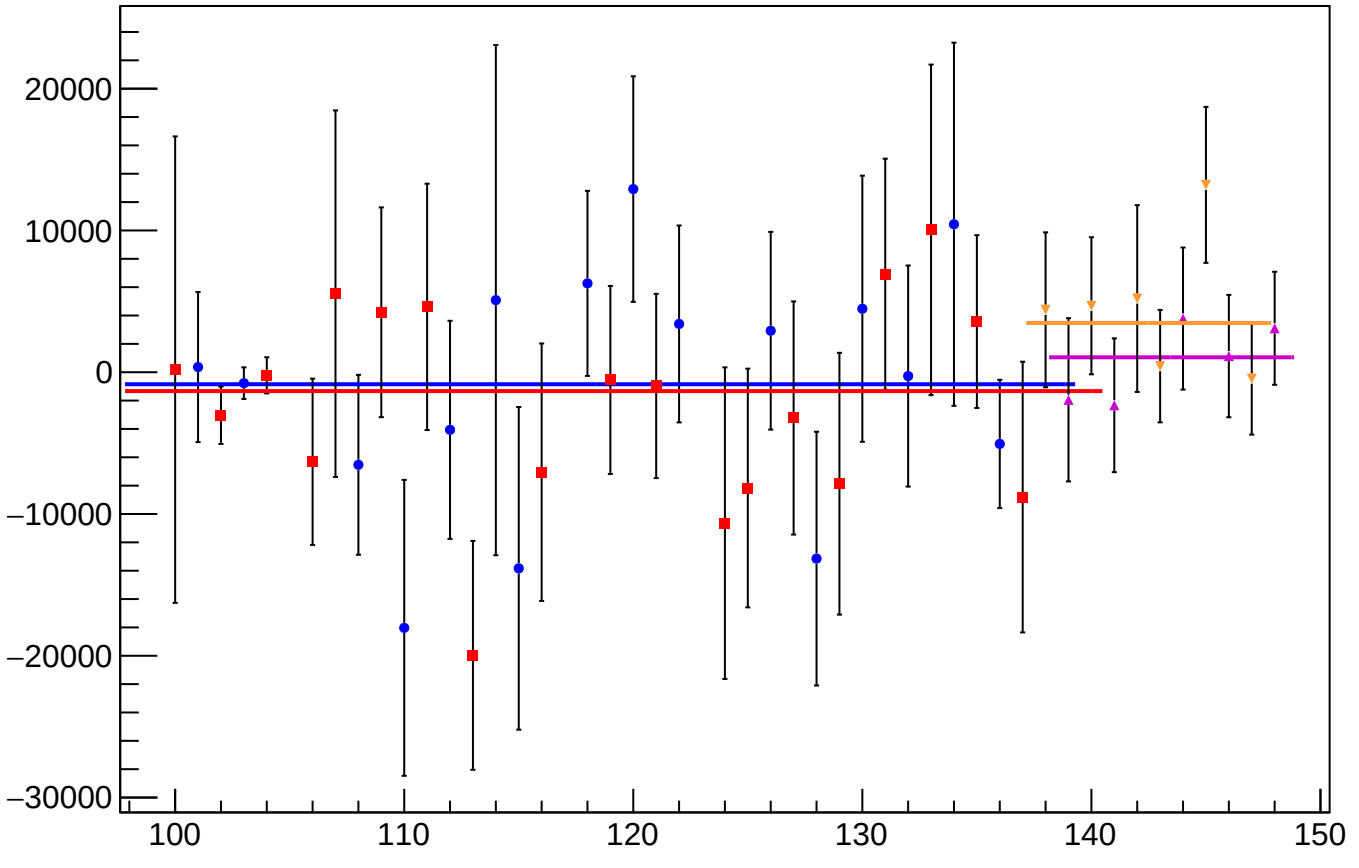
Left: 1781.508+/-0.423 χ^2/NDF: 39812.3/10

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1813.906+/-0.379 χ^2/NDF:290116.9/20

Out: 1858.144+/-0.384 χ^2/NDF:401150.9/24

All: 1835.699+/-0.270 χ^2/NDF: 697994.8/45



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3474.802+/-1961.455 χ^2/NDF:4.9/5

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1052.701+/-2078.125 χ^2/NDF:1.3/4

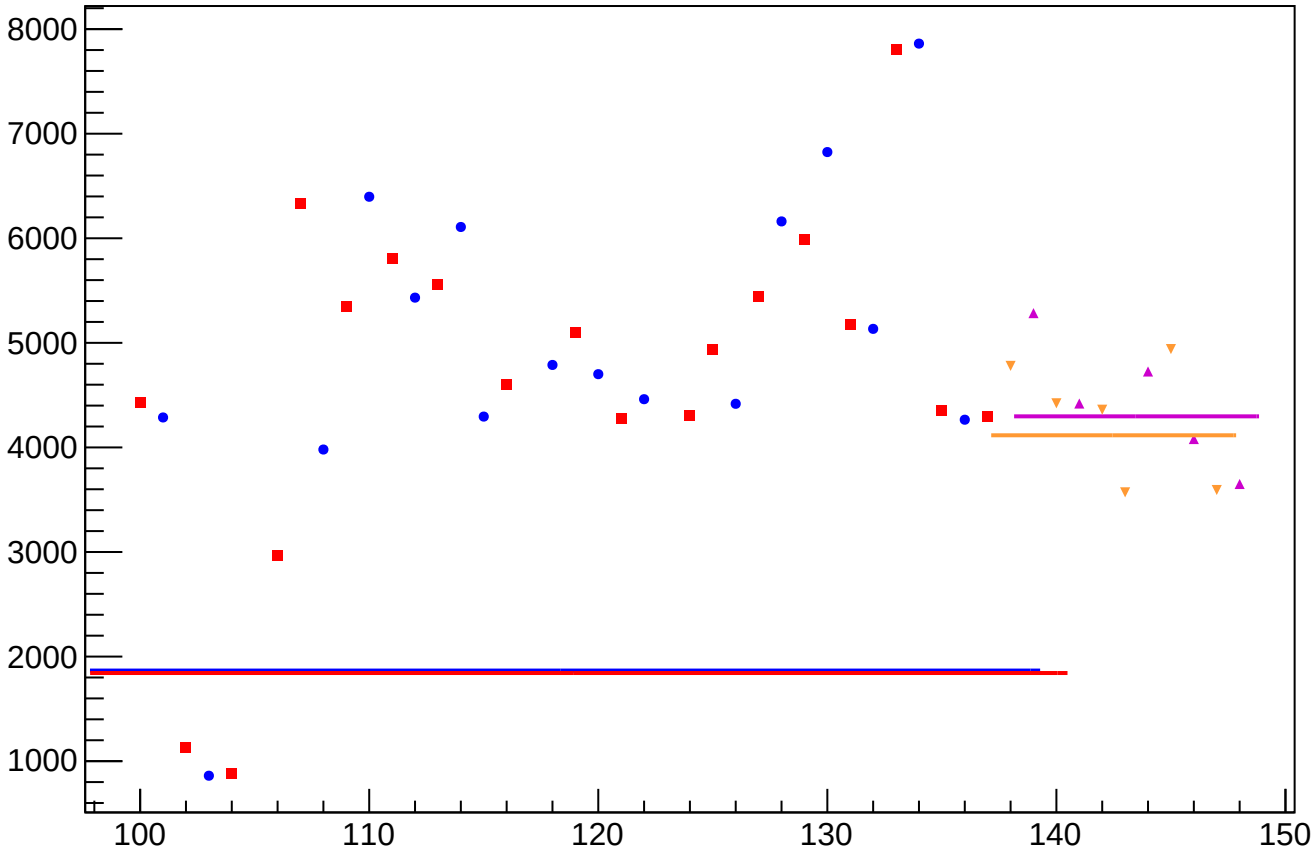
Left: 2333.647+/-1426.421 χ^2/NDF: 6.9/10

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -511.667+/-873.646 χ^2/NDF:15.9/20

Out: -421.021+/-853.656 χ^2/NDF:24.2/24

All: -465.295+/-610.571 χ^2/NDF: 40.1/45



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4116.076+/-1.387 χ^2/NDF:158081.1/5

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

Left: 4201.430+/-1.009 χ^2/NDF: 298634.0/10

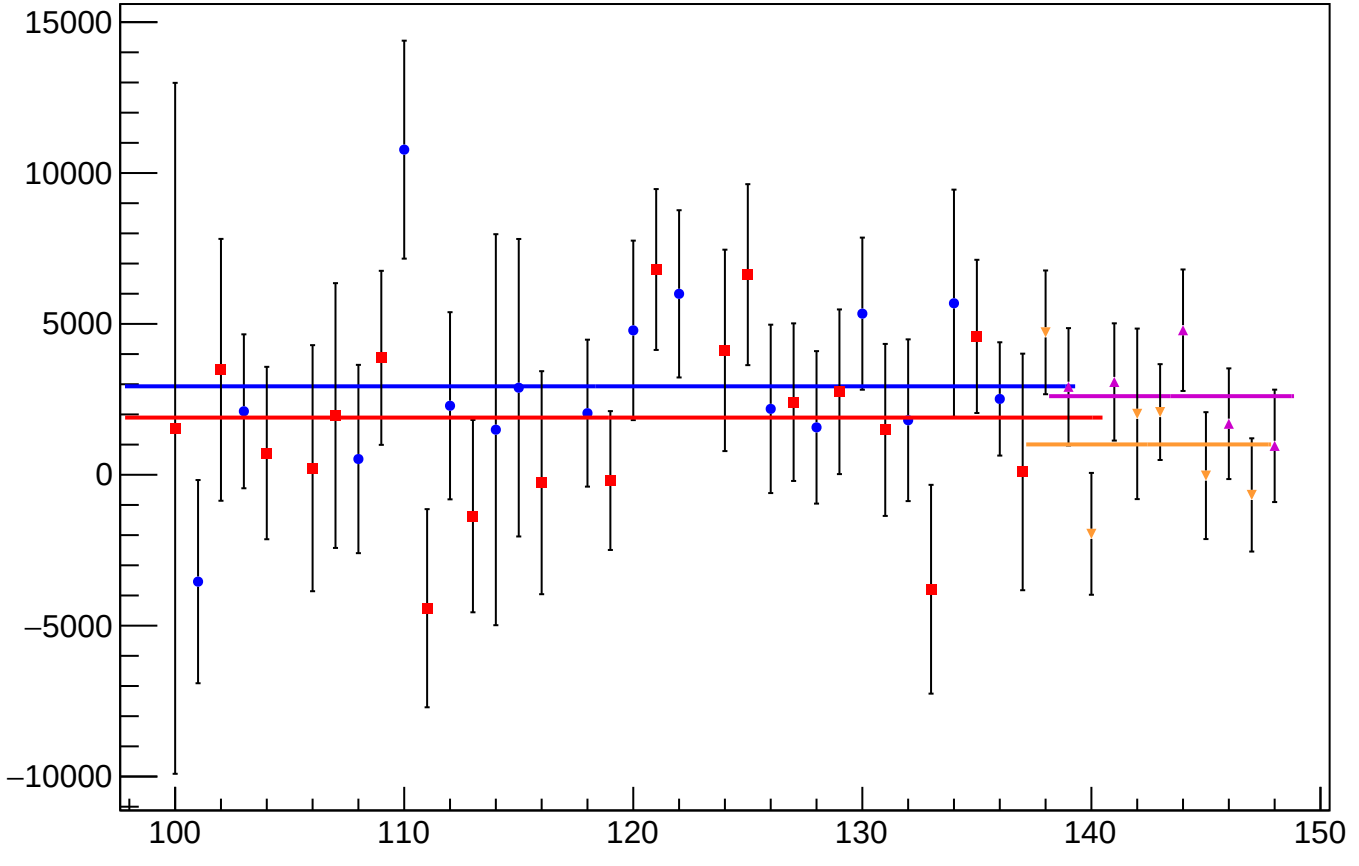
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2295.897+/-0.618 χ^2/NDF:9235731.3/20

Out: 2273.454+/-0.604 χ^2/NDF:8793975.9/24

All: 2284.416+/-0.432 χ^2/NDF: 18030382.4/4

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1005.825+/-812.431 χ^2/NDF:7.1/5

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2605.313+/-856.943 χ^2/NDF:2.3/4

Left: 1762.951+/-589.584 χ^2/NDF: 11.2/10

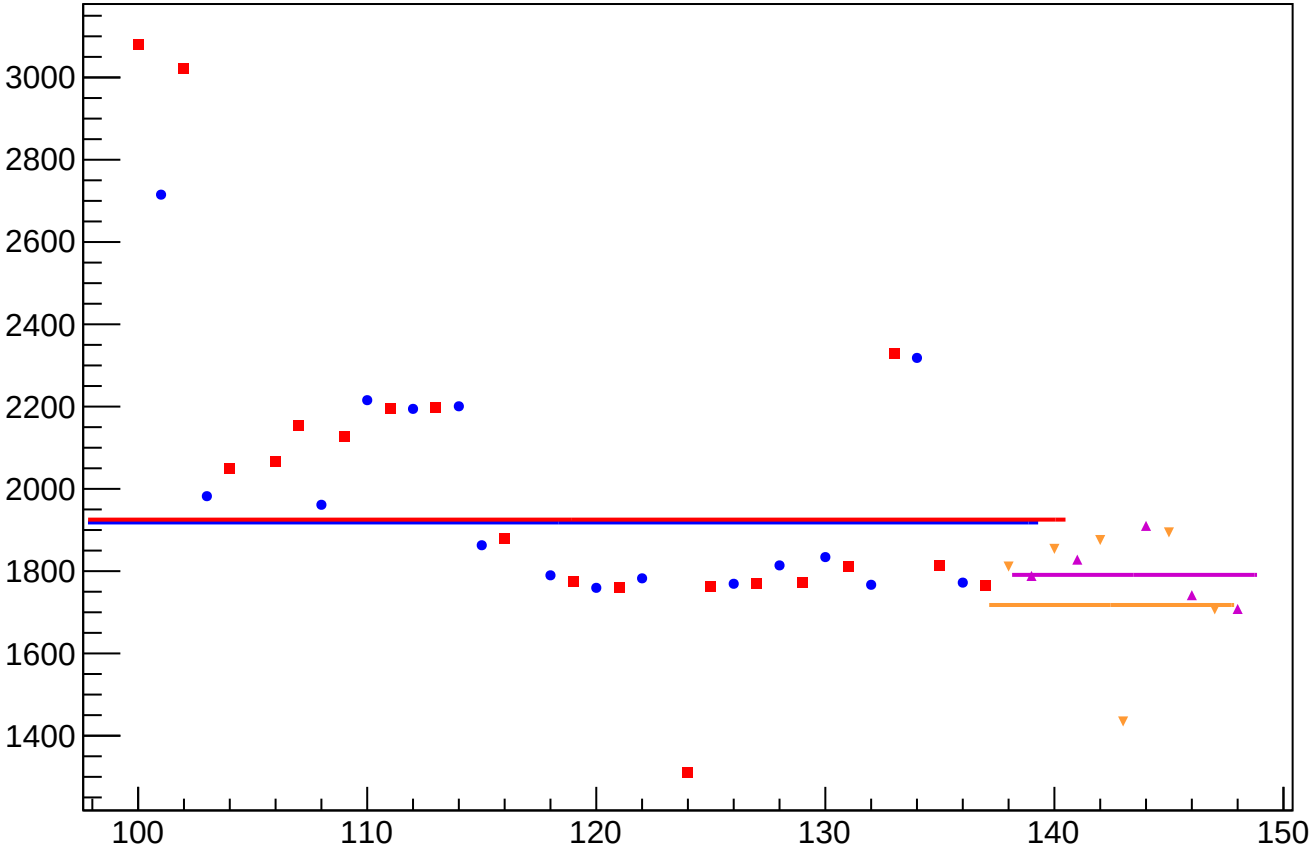
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2797.005+/-550.493 χ^2/NDF:15.4/20

Out: 1502.943+/-539.663 χ^2/NDF:25.1/24

All: 2137.121+/-385.371 χ^2/NDF: 43.3/45

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.761+/-0.574 χ^2/NDF:97258.4/5

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1790.948+/-0.606 χ^2/NDF:13138.2/4

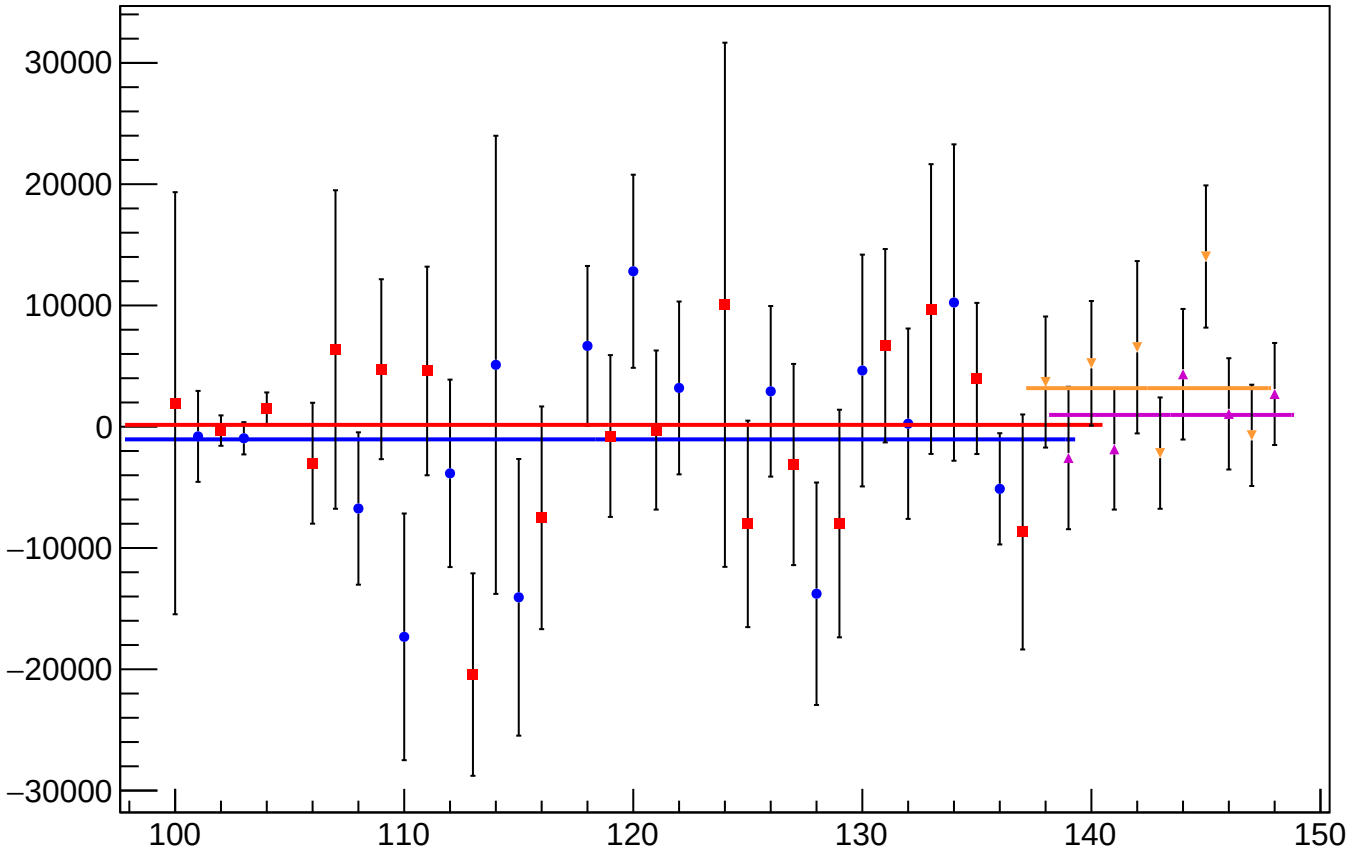
Left: 1752.405+/-0.417 χ^2/NDF: 118079.2/10

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1865.786+/-0.389 χ^2/NDF:254701.3/20

Out: 1833.788+/-0.381 χ^2/NDF:509304.3/24

All: 1849.462+/-0.272 χ^2/NDF: 767452.9/45



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 3181.669+/-2104.345 χ^2/NDF:6.0/5

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 974.307+/-2192.912 χ^2/NDF:1.2/4

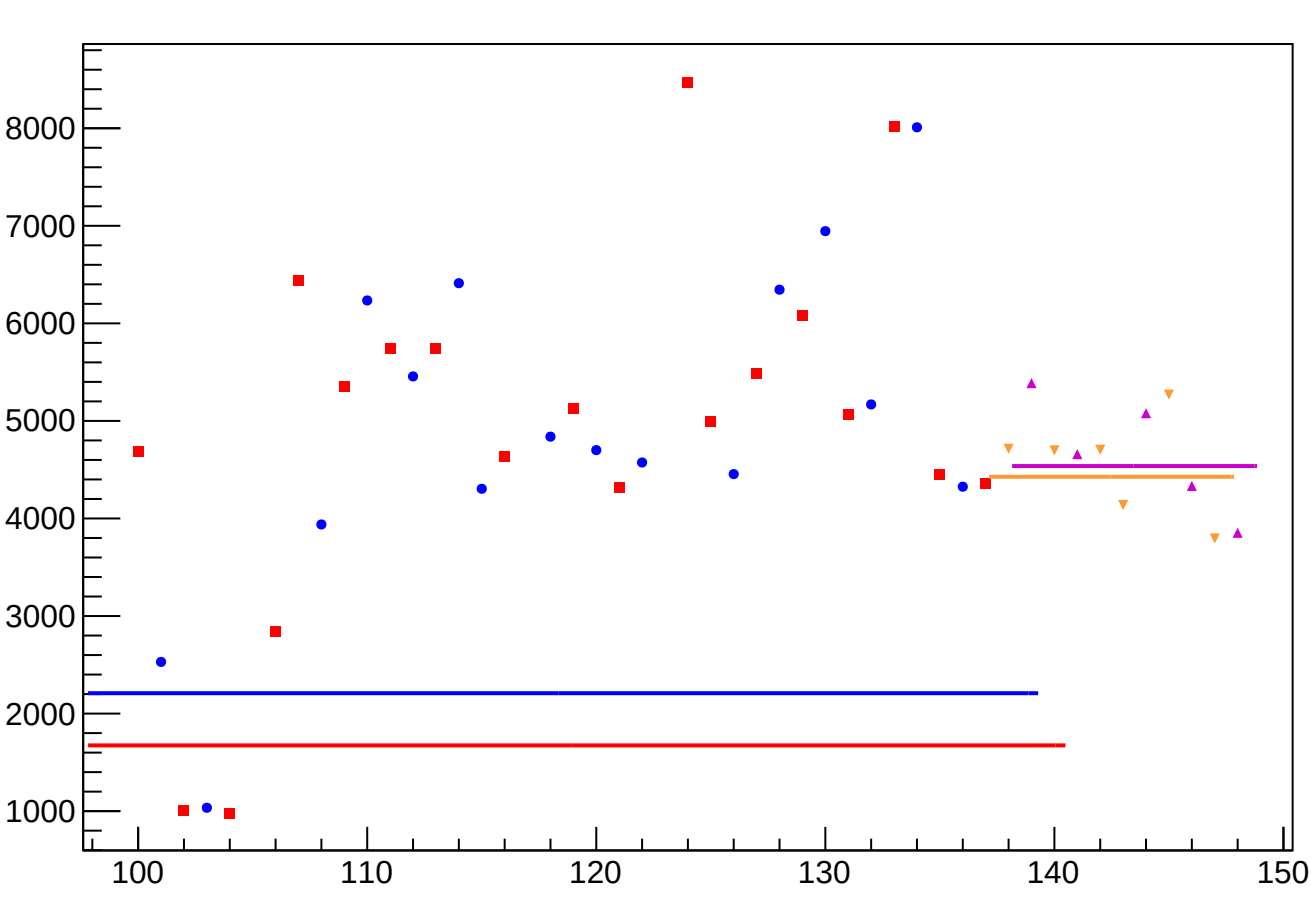
Left: 2123.463+/-1518.342 χ^2/NDF: 7.8/10

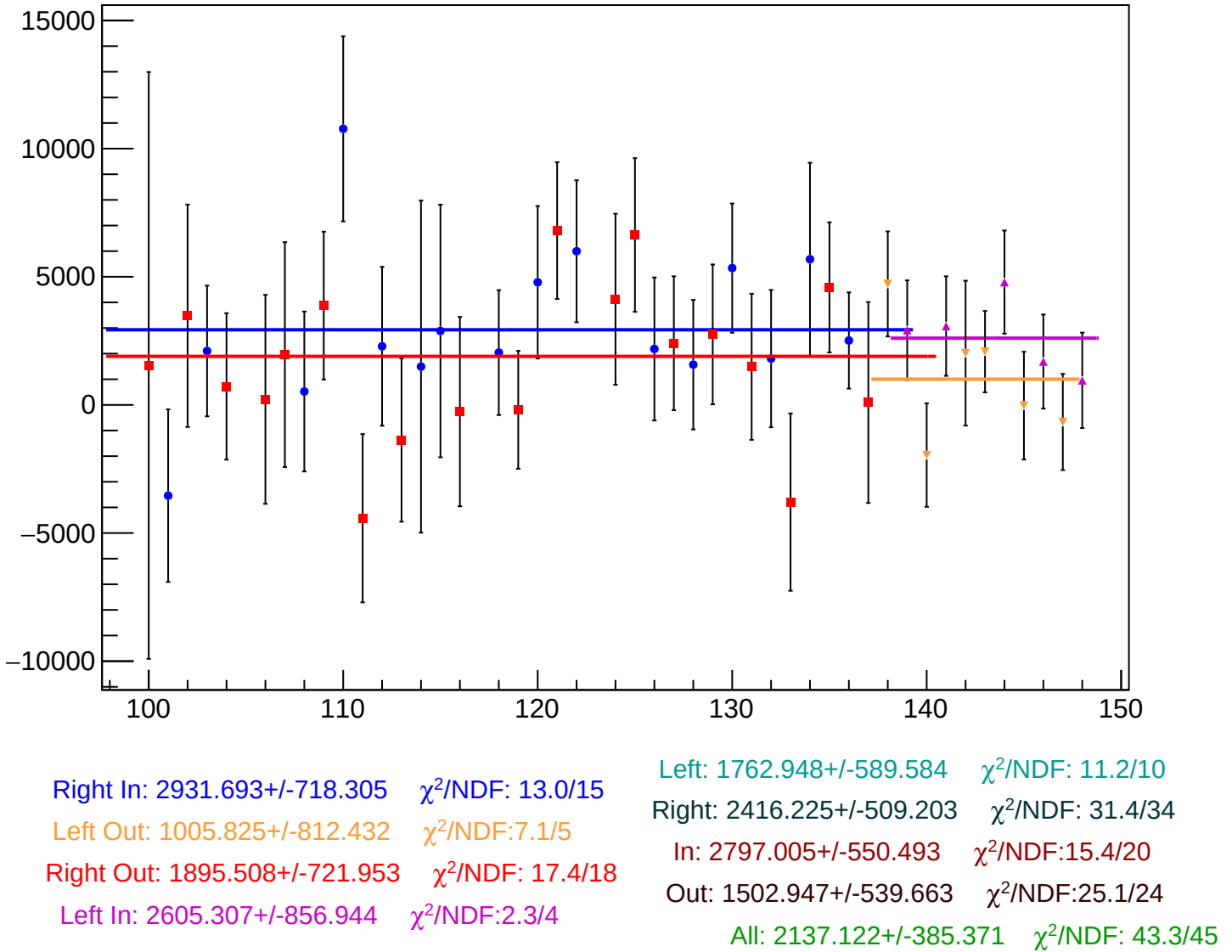
Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

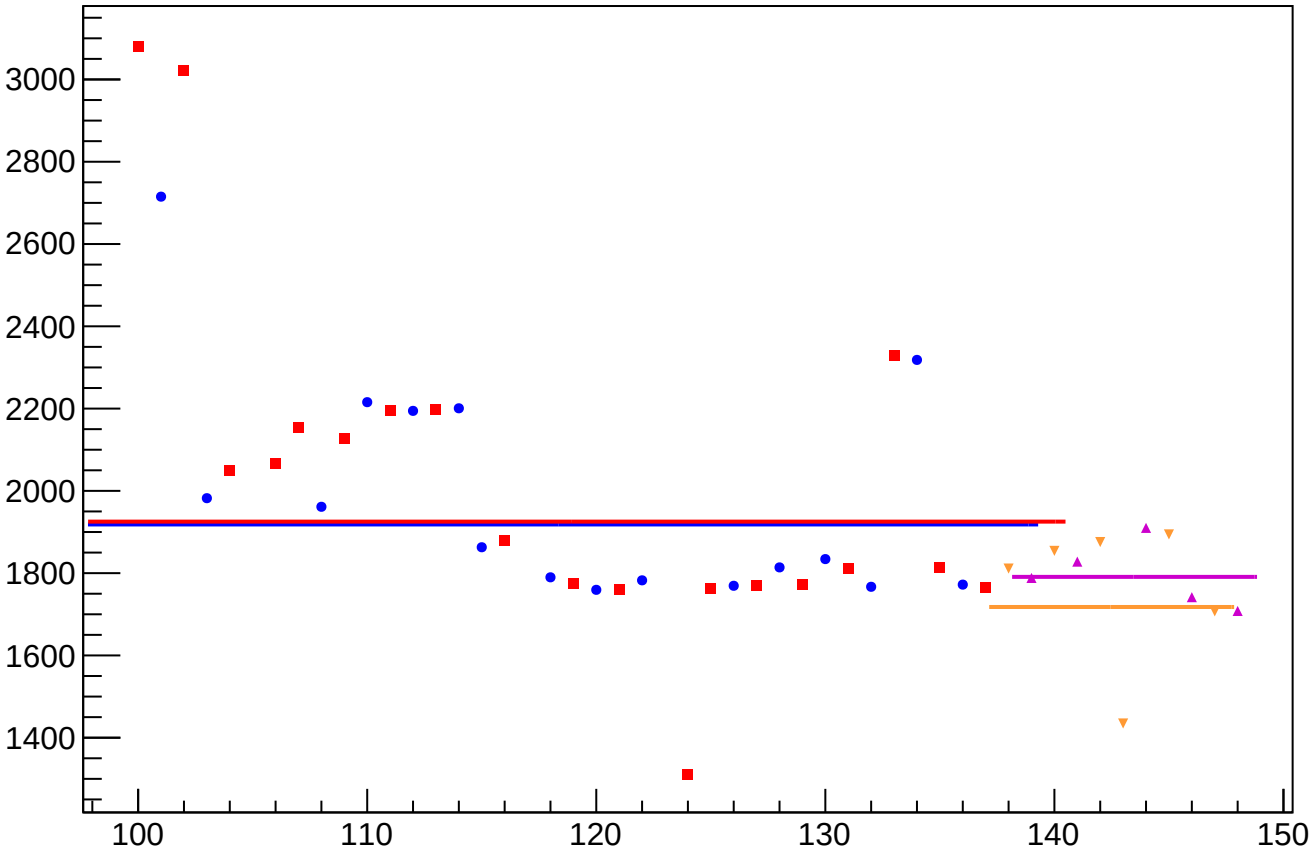
In: -652.784+/-963.378 χ^2/NDF:15.8/20

Out: 566.087+/-776.658 χ^2/NDF:21.6/24

All: 85.957+/-604.641 χ^2/NDF: 38.3/45


asym_atl1r2_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 2208.912+/-0.758 χ²/NDF: 5499011.4/15
Left Out: 4427.455+/-1.488 χ²/NDF:109285.8/5
Right Out: 1674.162+/-0.591 χ²/NDF: 6853212.9/18
Left In: 4537.400+/-1.551 χ²/NDF:120172.4/4
Left: 4480.163+/-1.074 χ²/NDF: 232075.4/10
Right: 1876.192+/-0.466 χ²/NDF: 12661639.3/34
In: 2658.304+/-0.681 χ²/NDF:7438930.0/20
Out: 2049.203+/-0.549 χ²/NDF:9919875.7/24
All: 2289.136+/-0.428 χ²/NDF: 17843367.9/4


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 1005.825+/-812.432 χ²/NDF:7.1/5
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2605.307+/-856.944 χ²/NDF:2.3/4
Left: 1762.948+/-589.584 χ²/NDF: 11.2/10
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2797.005+/-550.493 χ²/NDF:15.4/20
Out: 1502.947+/-539.663 χ²/NDF:25.1/24
All: 2137.122+/-385.371 χ²/NDF: 43.3/45



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.763+/-0.574 χ^2/NDF:97257.5/5

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1790.949+/-0.606 χ^2/NDF:13138.1/4

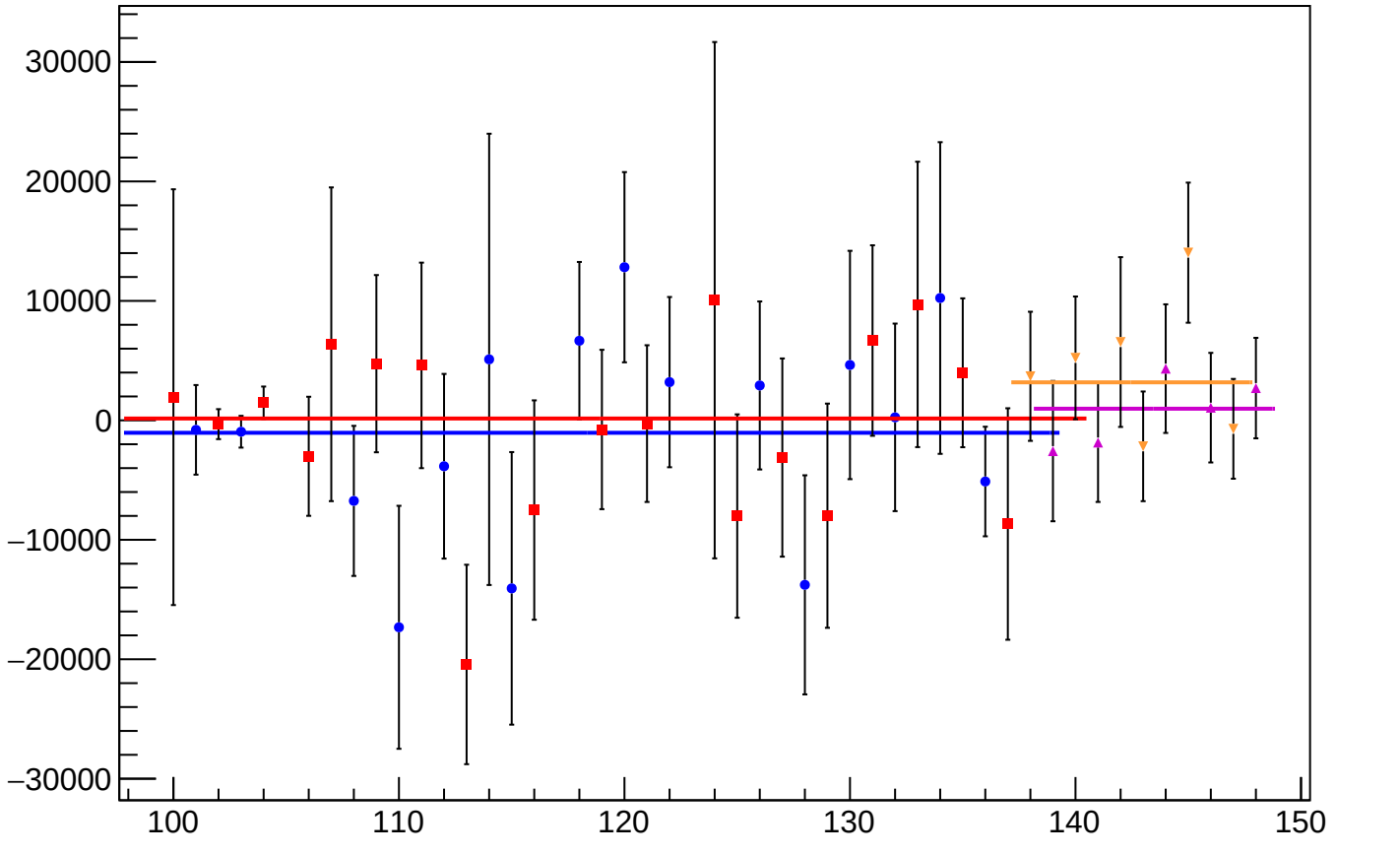
Left: 1752.406+/-0.417 χ^2/NDF: 118078.1/10

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1865.786+/-0.389 χ^2/NDF:254700.7/20

Out: 1833.788+/-0.381 χ^2/NDF:509301.0/24

All: 1849.462+/-0.272 χ^2/NDF: 767449.0/45



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 3181.673+/-2104.348 χ^2/NDF:6.0/5

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 974.299+/-2192.915 χ^2/NDF:1.2/4

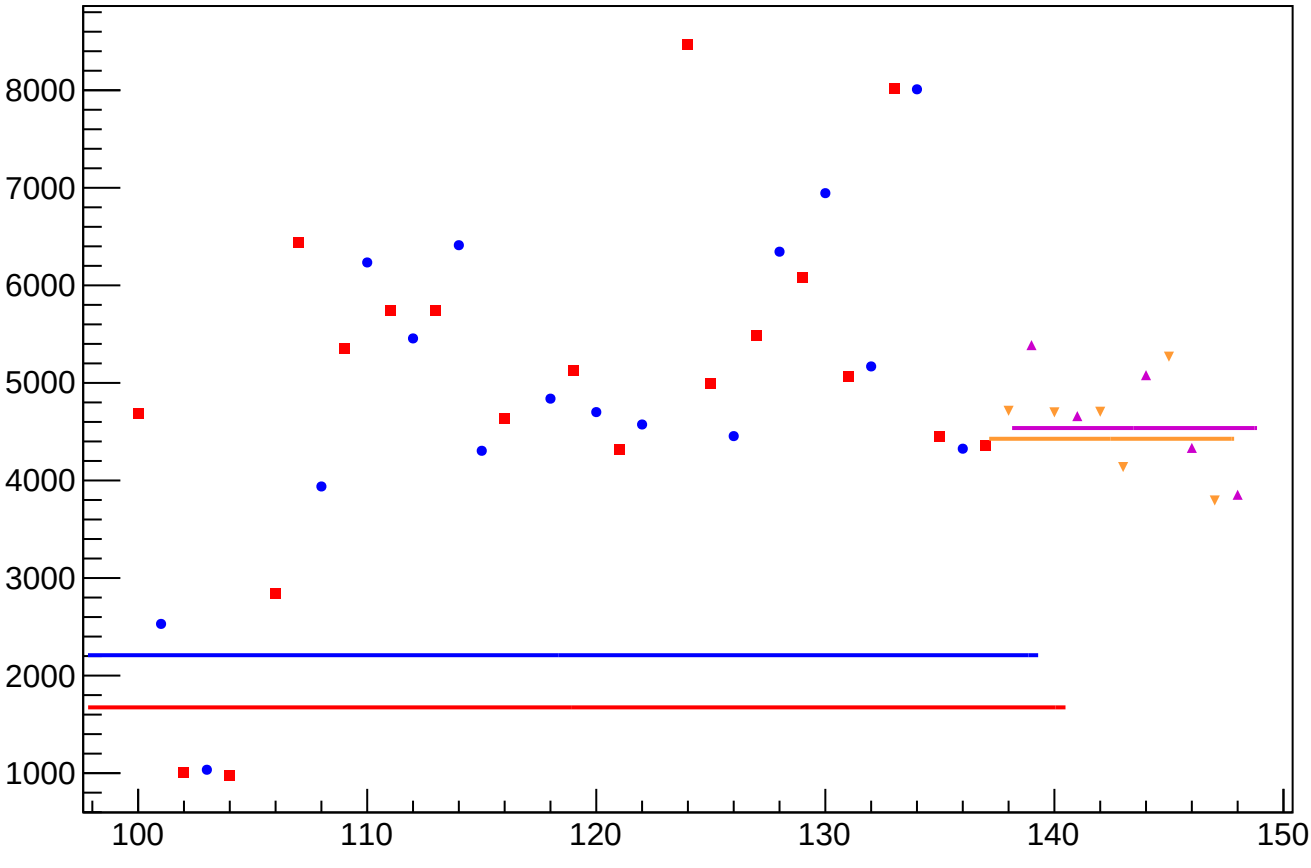
Left: 2123.461+/-1518.344 χ^2/NDF: 7.8/10

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -652.785+/-963.378 χ^2/NDF:15.8/20

Out: 566.081+/-776.658 χ^2/NDF:21.6/24

All: 85.953+/-604.640 χ^2/NDF: 38.3/45



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4427.462+/-1.488 χ^2/NDF:109285.4/5

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4537.407+/-1.551 χ^2/NDF:120172.0/4

Left: 4480.169+/-1.074 χ^2/NDF: 232074.7/10

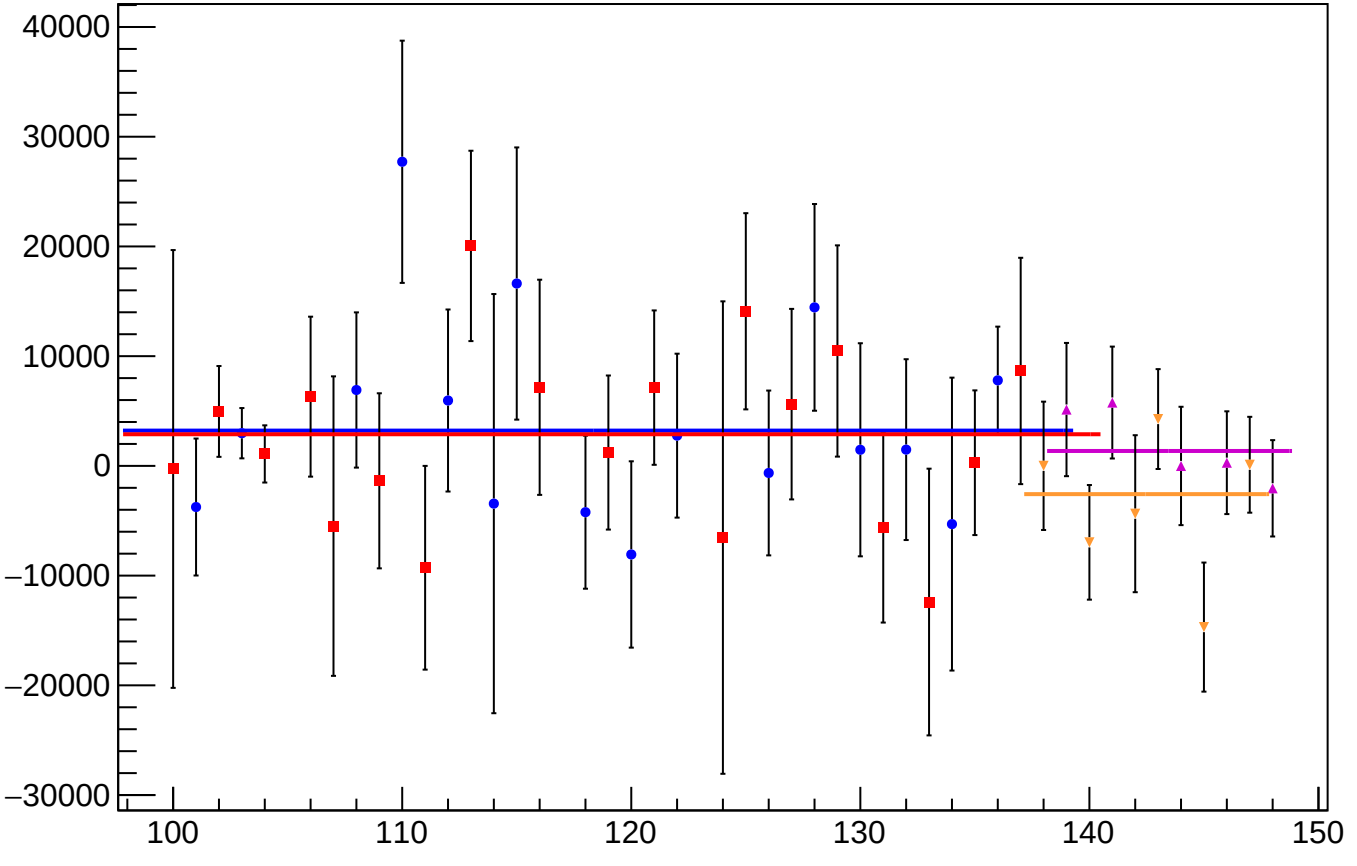
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2658.303+/-0.681 χ^2/NDF:7438930.1/20

Out: 2049.202+/-0.549 χ^2/NDF:9919874.9/24

All: 2289.135+/-0.428 χ^2/NDF: 17843367.1/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -2574.484+/-2156.608 χ^2/NDF:7.8/5

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1358.911+/-2250.482 χ^2/NDF:1.9/4

Left: -691.532+/-1557.082 χ^2/NDF: 11.3/10

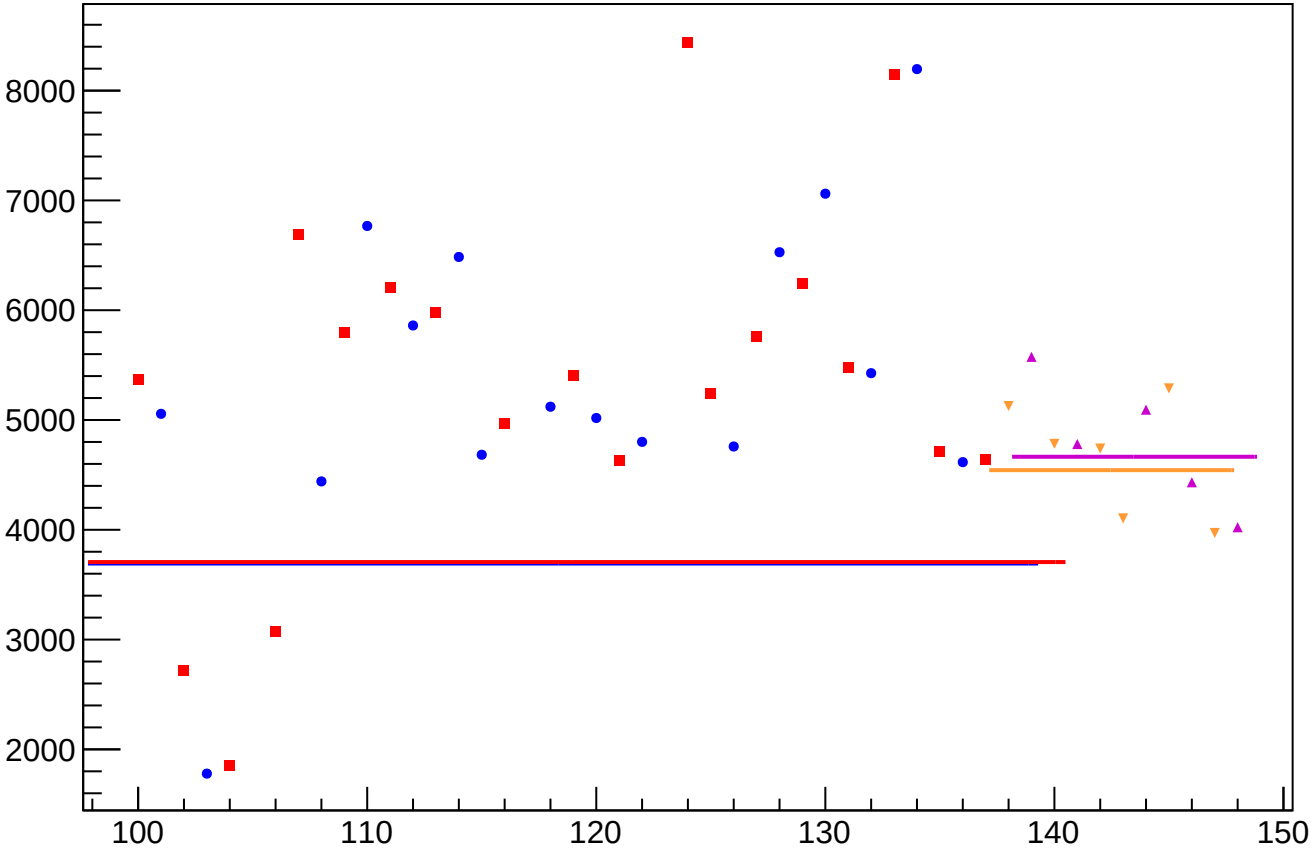
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2623.910+/-1270.506 χ^2/NDF:16.1/20

Out: 1021.029+/-1259.775 χ^2/NDF:25.5/24

All: 1815.671+/-894.566 χ^2/NDF: 42.4/45

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4543.162+/-1.525 χ^2/NDF:110668.0/5

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4665.237+/-1.591 χ^2/NDF:106290.9/4

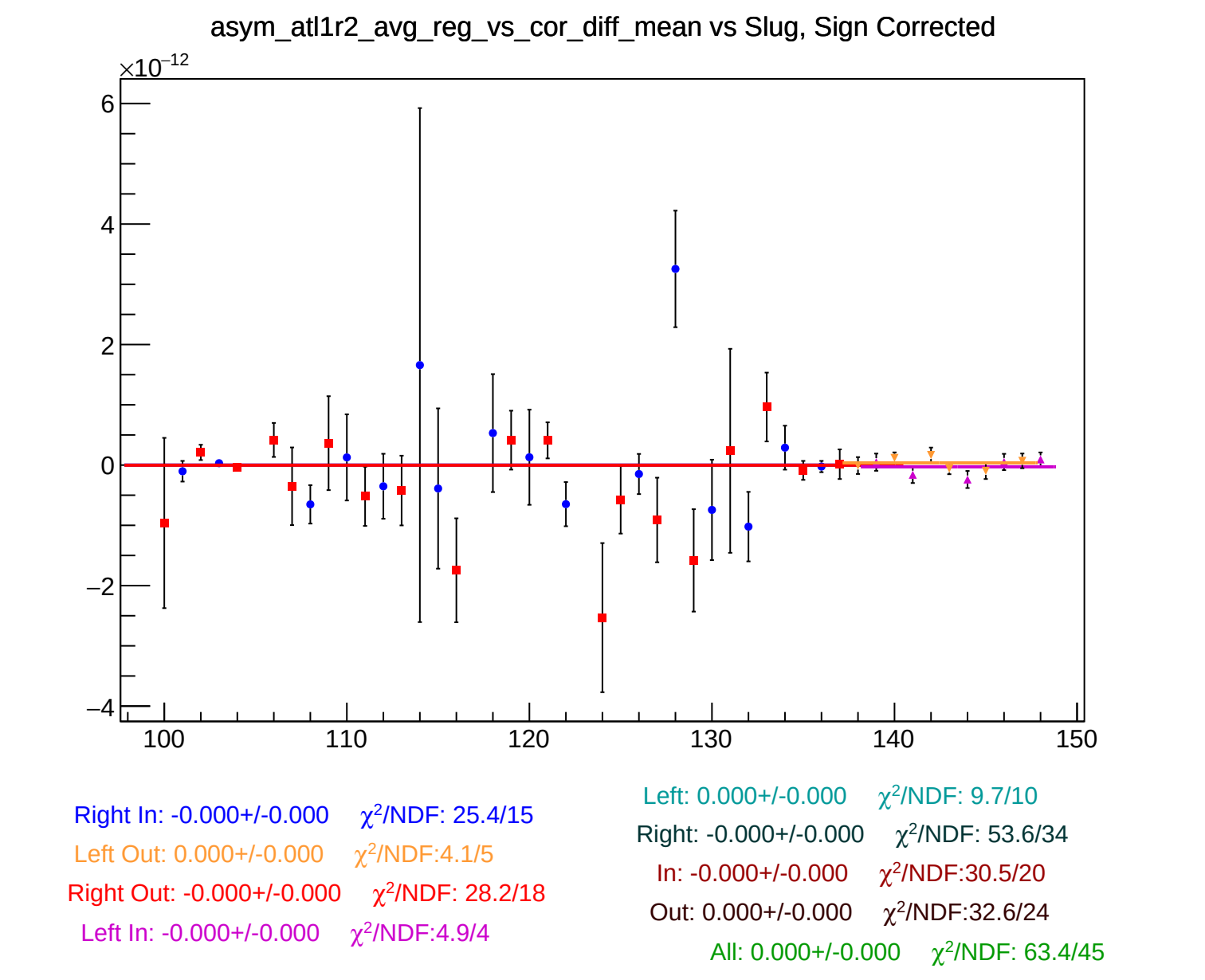
Left: 4601.600+/-1.101 χ^2/NDF: 220026.6/10

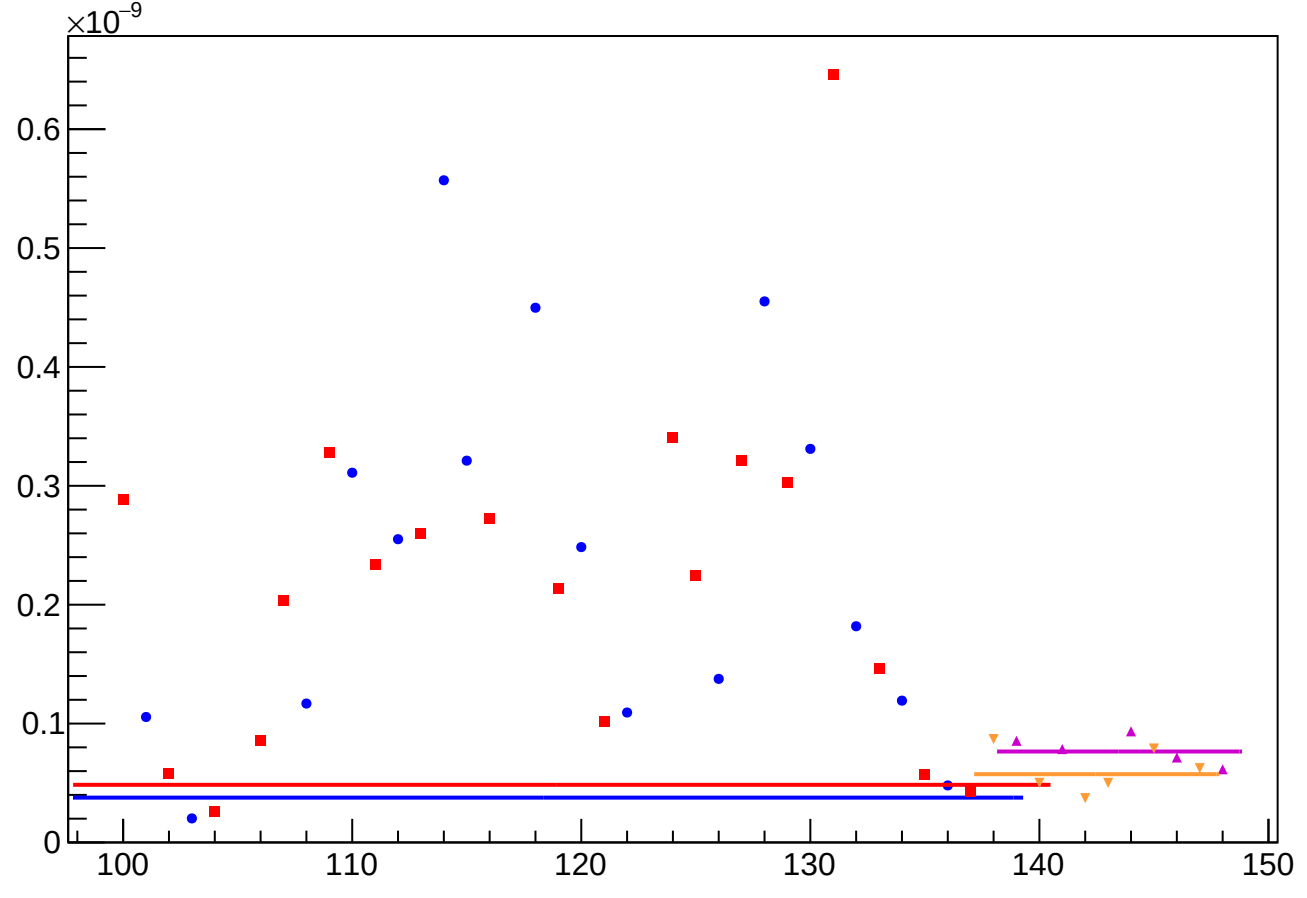
Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4002.741+/-0.898 χ^2/NDF:3246348.9/20

Out: 3987.953+/-0.885 χ^2/NDF:2995049.5/24

All: 3995.235+/-0.630 χ^2/NDF: 6241535.9/45


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 25.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4.1/5
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:4.9/4
Left: 0.000+/-0.000 χ²/NDF: 9.7/10
Right: -0.000+/-0.000 χ²/NDF: 53.6/34
In: -0.000+/-0.000 χ²/NDF:30.5/20
Out: 0.000+/-0.000 χ²/NDF:32.6/24
All: 0.000+/-0.000 χ²/NDF: 63.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:221012.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:73423.4/4

Left: 0.000+/-0.000 χ^2/NDF: 422602.9/10

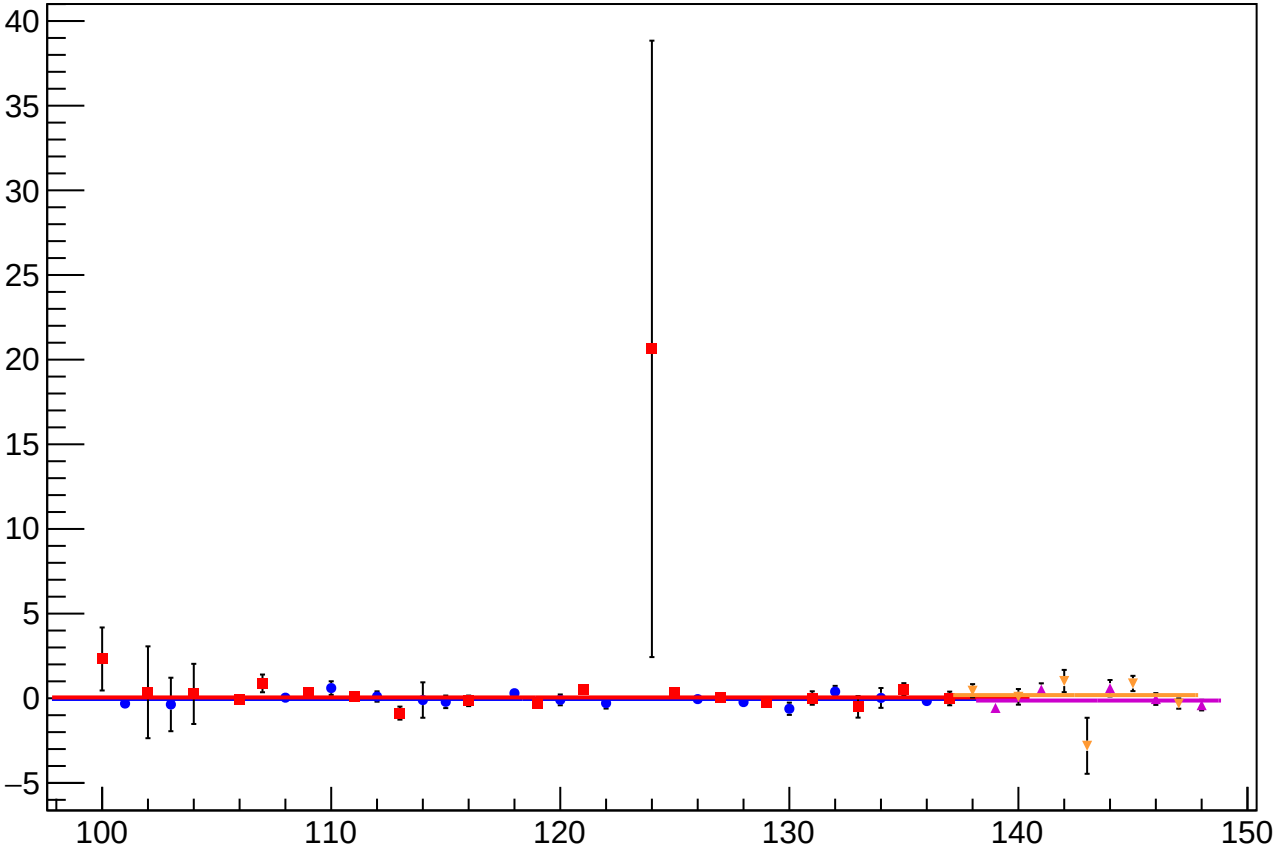
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3831845.6/20

Out: 0.000+/-0.000 χ^2/NDF:3155051.5/24

All: 0.000+/-0.000 χ^2/NDF: 7008245.4/45

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.135+/-0.152 χ^2/NDF:8.7/4

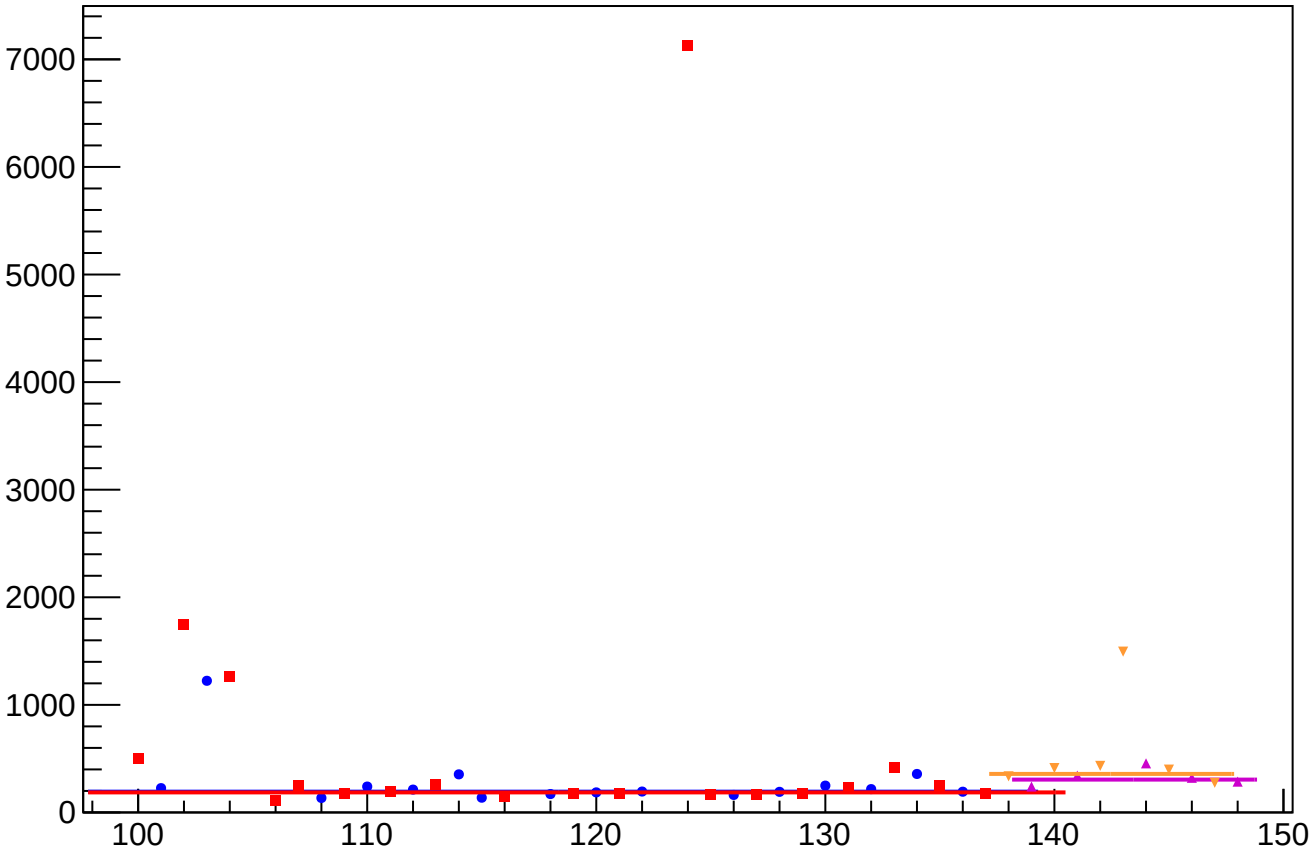
Left: -0.005+/-0.117 χ^2/NDF: 20.9/10

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.002+/-0.050 χ^2/NDF: 56.3/45



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 358.253+/-0.130 χ^2/NDF:1166616.9/5

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

Left: 326.755+/-0.083 χ^2/NDF: 1602790.4/10

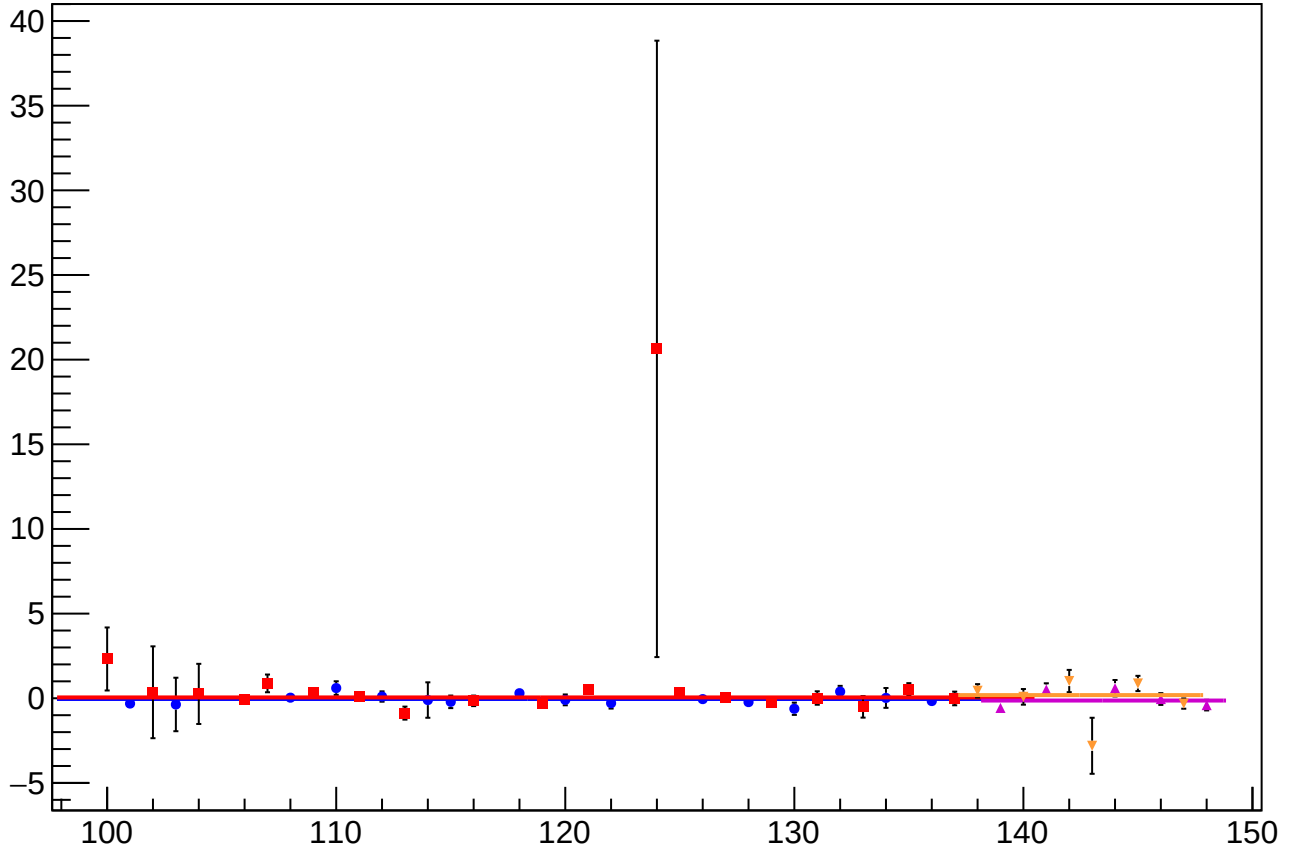
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 216.609+/-0.049 χ^2/NDF:2612387.7/20

Out: 213.040+/-0.051 χ^2/NDF:5121988.4/24

All: 214.906+/-0.035 χ^2/NDF: 7736915.5/45

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.135+/-0.152 χ^2/NDF:8.7/4

Left: -0.005+/-0.117 χ^2/NDF: 20.9/10

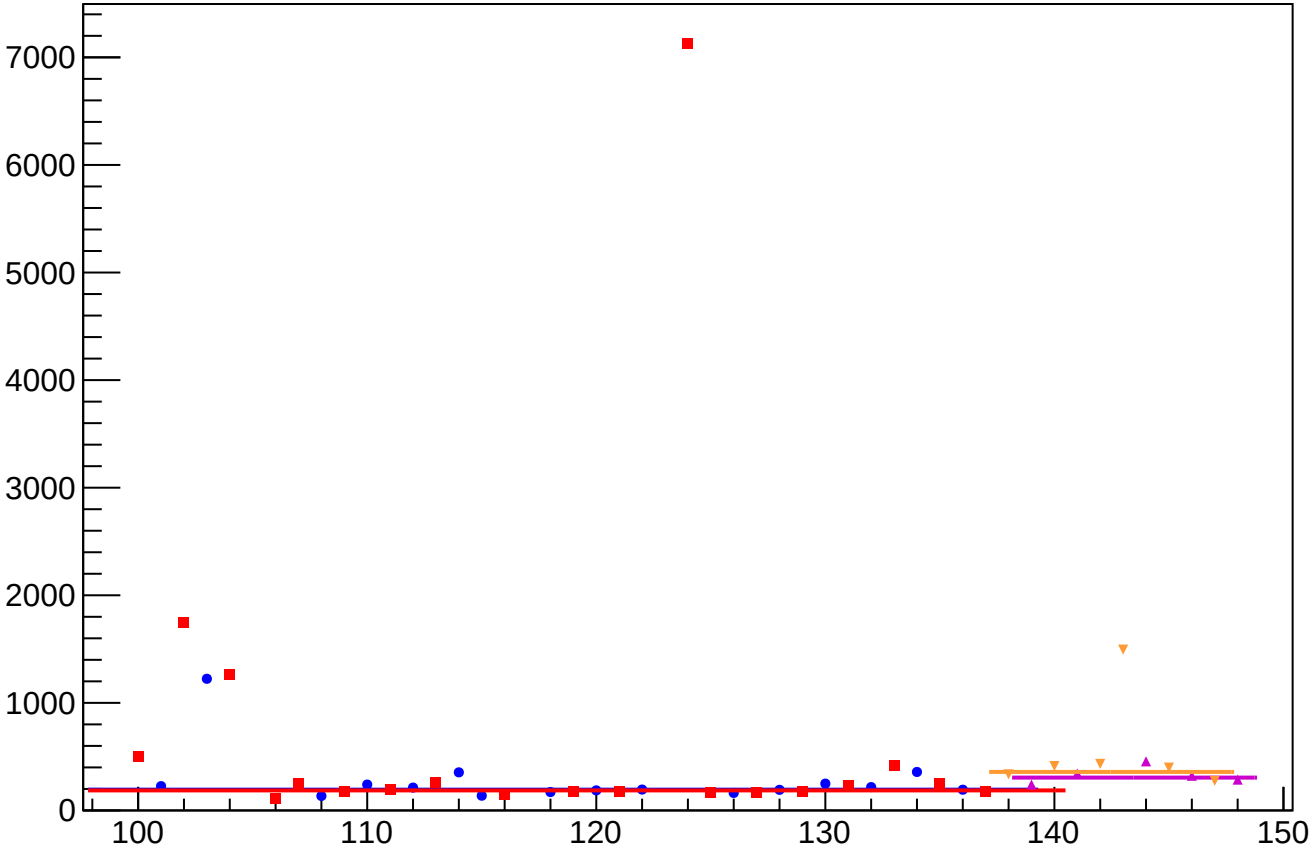
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.002+/-0.050 χ^2/NDF: 56.3/45

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 358.253+/-0.130 χ^2/NDF:1166616.9/5

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

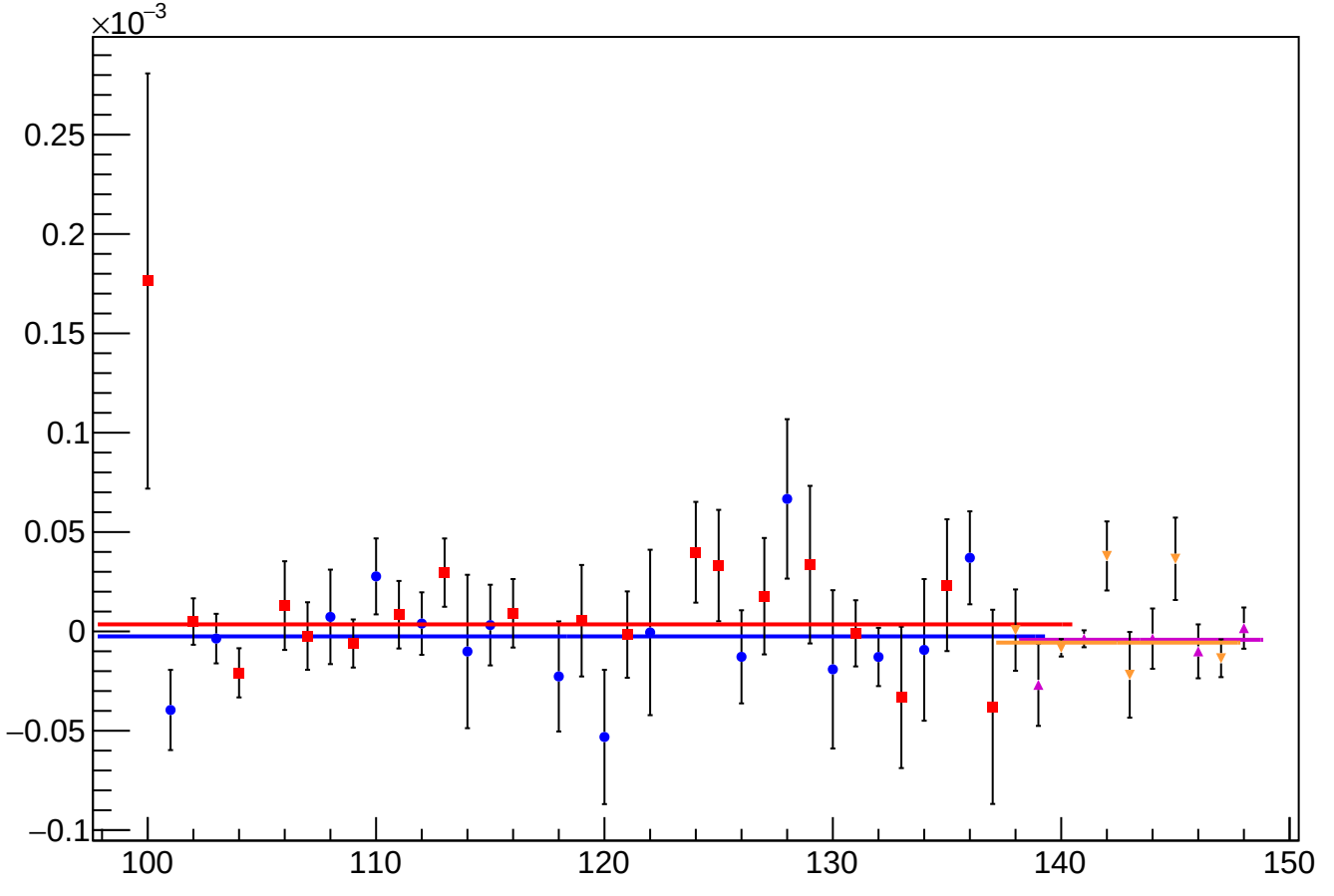
Left: 326.755+/-0.083 χ^2/NDF: 1602790.4/10

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 216.609+/-0.049 χ^2/NDF:2612387.7/20

Out: 213.040+/-0.051 χ^2/NDF:5121988.4/24

All: 214.906+/-0.035 χ^2/NDF: 7736915.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

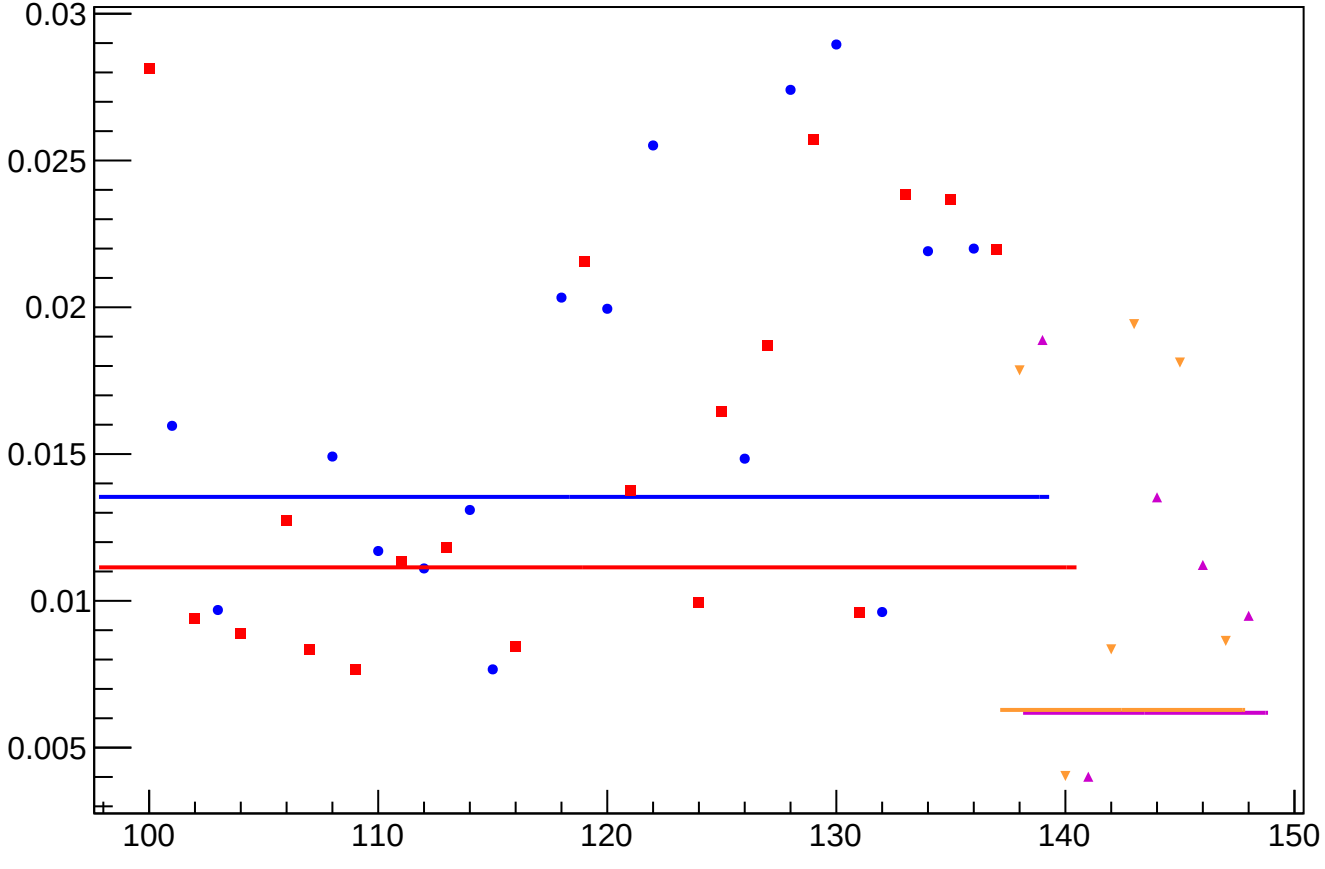
Left: -0.000+/-0.000 χ^2/NDF: 13.9/10

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:17.6/20

Out: -0.000+/-0.000 χ^2/NDF:30.9/24

All: -0.000+/-0.000 χ^2/NDF: 48.8/45



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:2707682.0/5

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:2221617.6/4

Left: 0.006+/-0.000 χ^2/NDF: 4930011.3/10

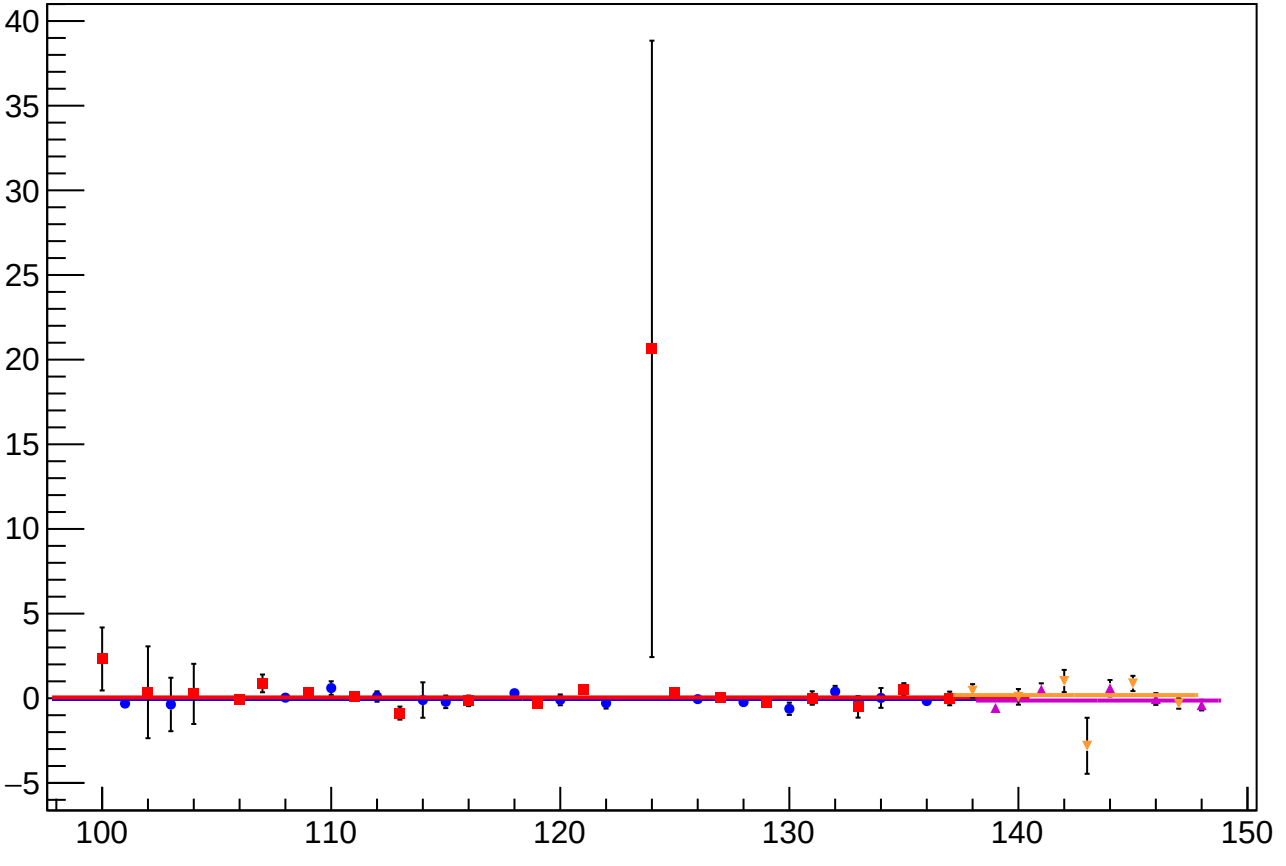
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6625069.0/20

Out: 0.008+/-0.000 χ^2/NDF:5998141.7/24

All: 0.008+/-0.000 χ^2/NDF: 12626642.8/45

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.135+/-0.152 χ^2/NDF:8.7/4

Left: -0.005+/-0.117 χ^2/NDF: 20.9/10

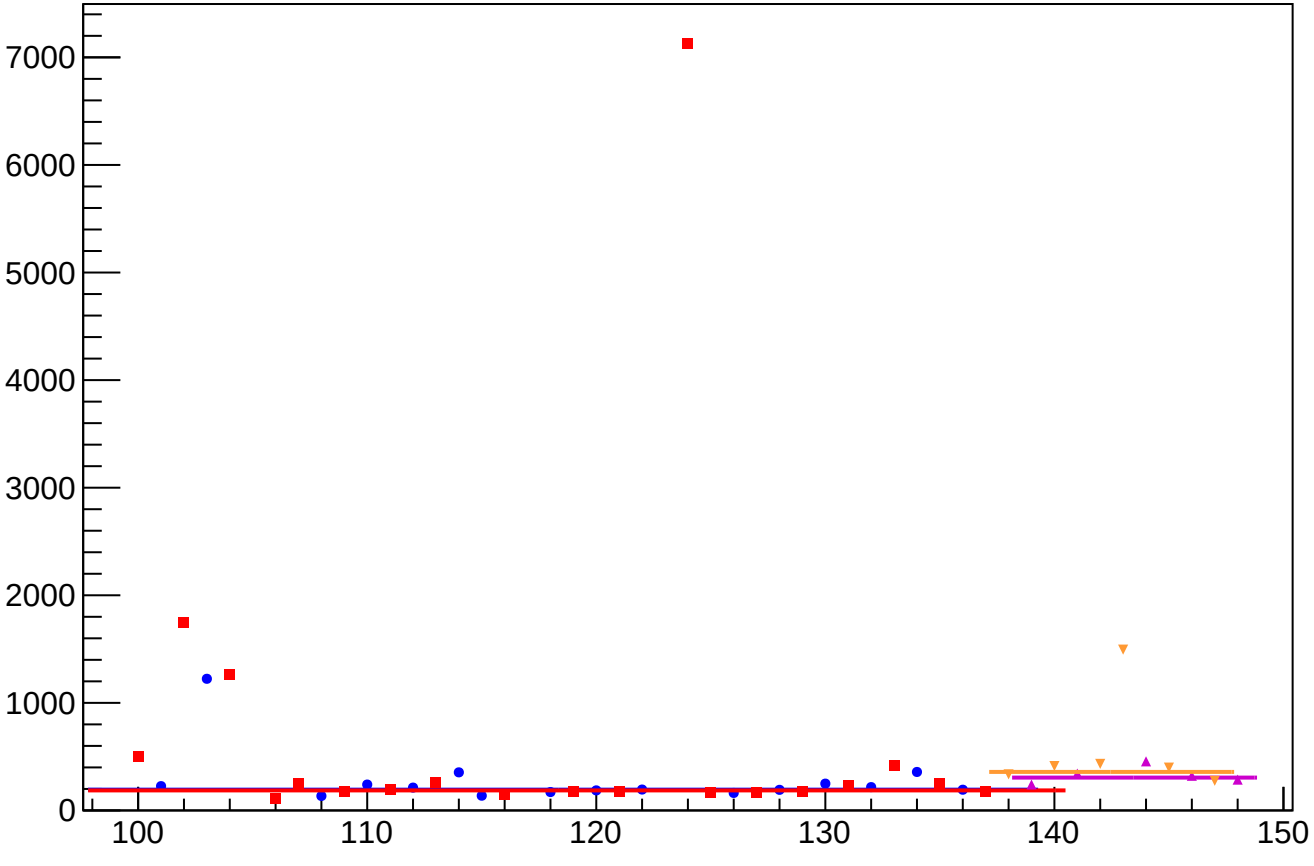
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.002+/-0.050 χ^2/NDF: 56.3/45

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 358.257+/-0.130 χ^2/NDF:1166593.2/5

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 305.363+/-0.107 χ^2/NDF:337607.6/4

Left: 326.759+/-0.083 χ^2/NDF: 1602745.8/10

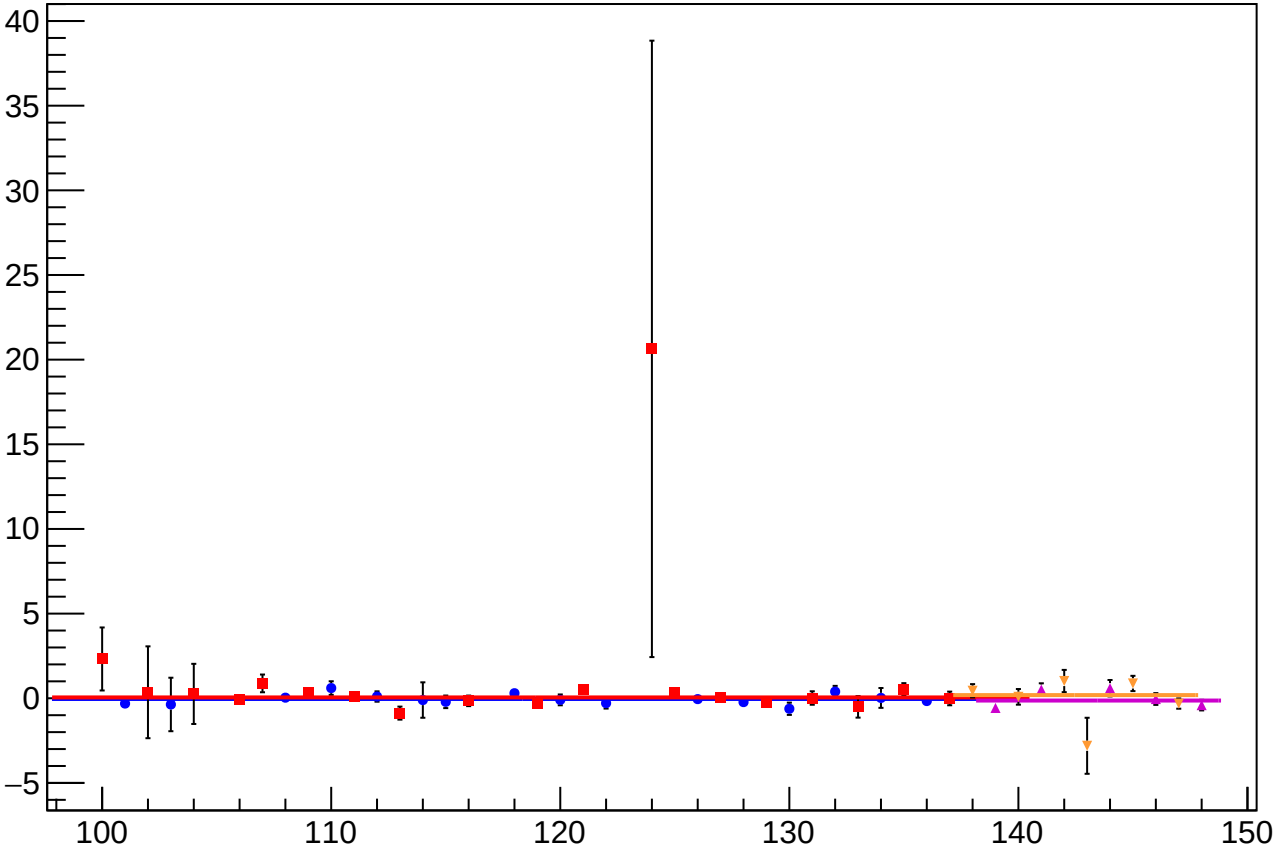
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 216.608+/-0.049 χ^2/NDF:2612444.5/20

Out: 213.038+/-0.051 χ^2/NDF:5122081.4/24

All: 214.904+/-0.035 χ^2/NDF: 7737067.1/45

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.135+/-0.152 χ^2/NDF:8.7/4

Left: -0.005+/-0.117 χ^2/NDF: 20.9/10

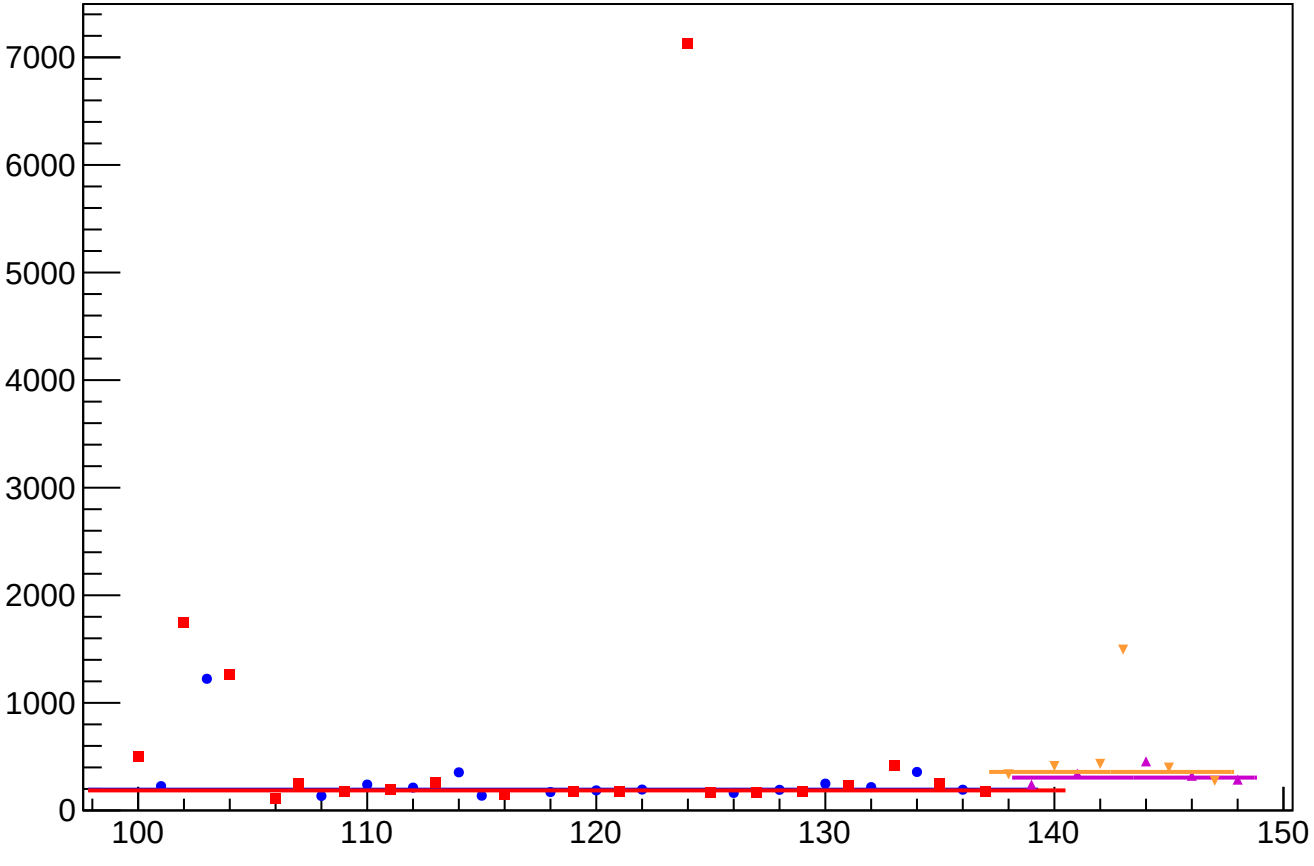
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.002+/-0.050 χ^2/NDF: 56.3/45

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: 358.257+/-0.130 χ^2/NDF:1166593.2/5

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 305.363+/-0.107 χ^2/NDF:337607.6/4

Left: 326.759+/-0.083 χ^2/NDF: 1602745.8/10

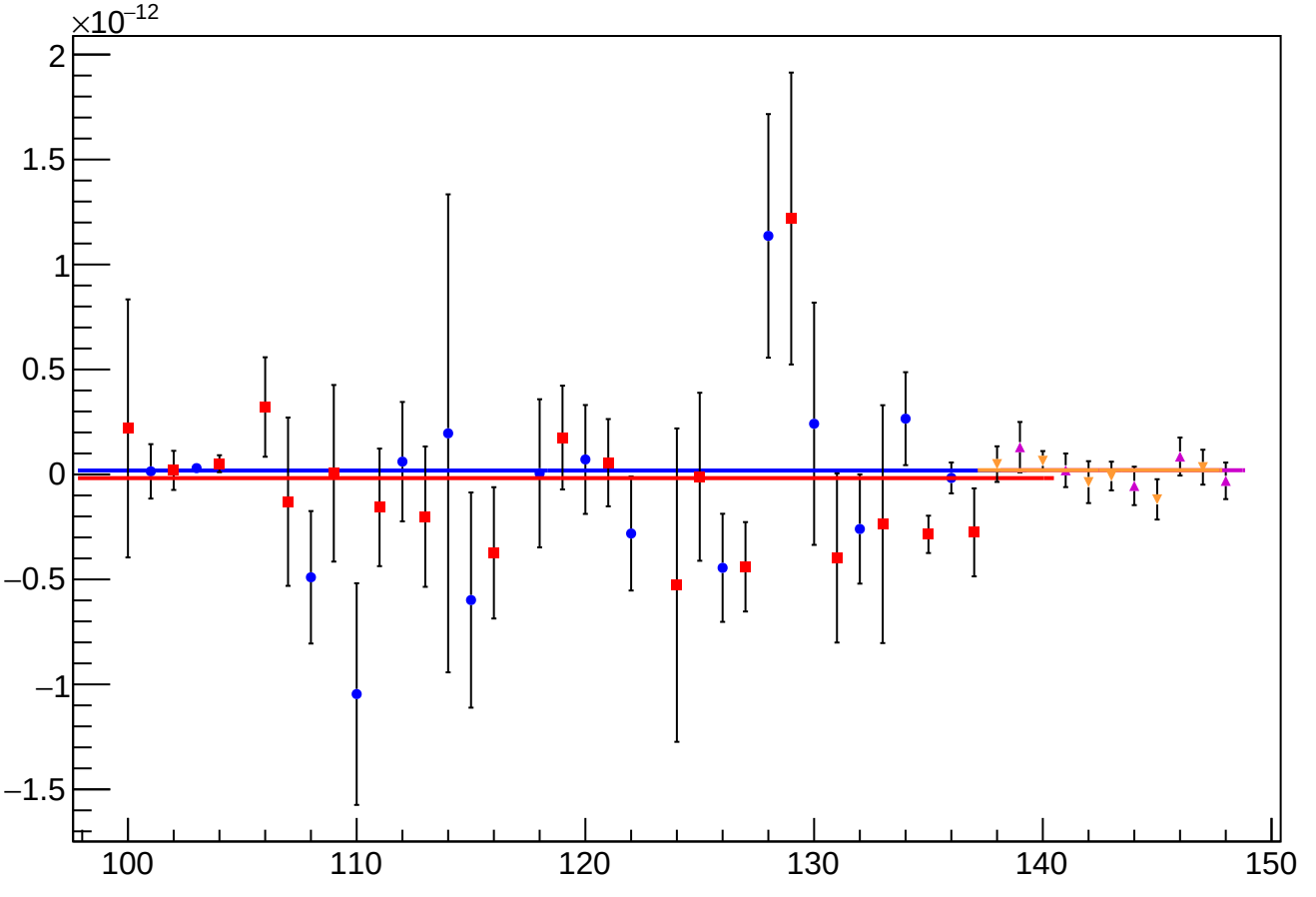
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 216.608+/-0.049 χ^2/NDF:2612444.5/20

Out: 213.038+/-0.051 χ^2/NDF:5122081.4/24

All: 214.904+/-0.035 χ^2/NDF: 7737067.1/45

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

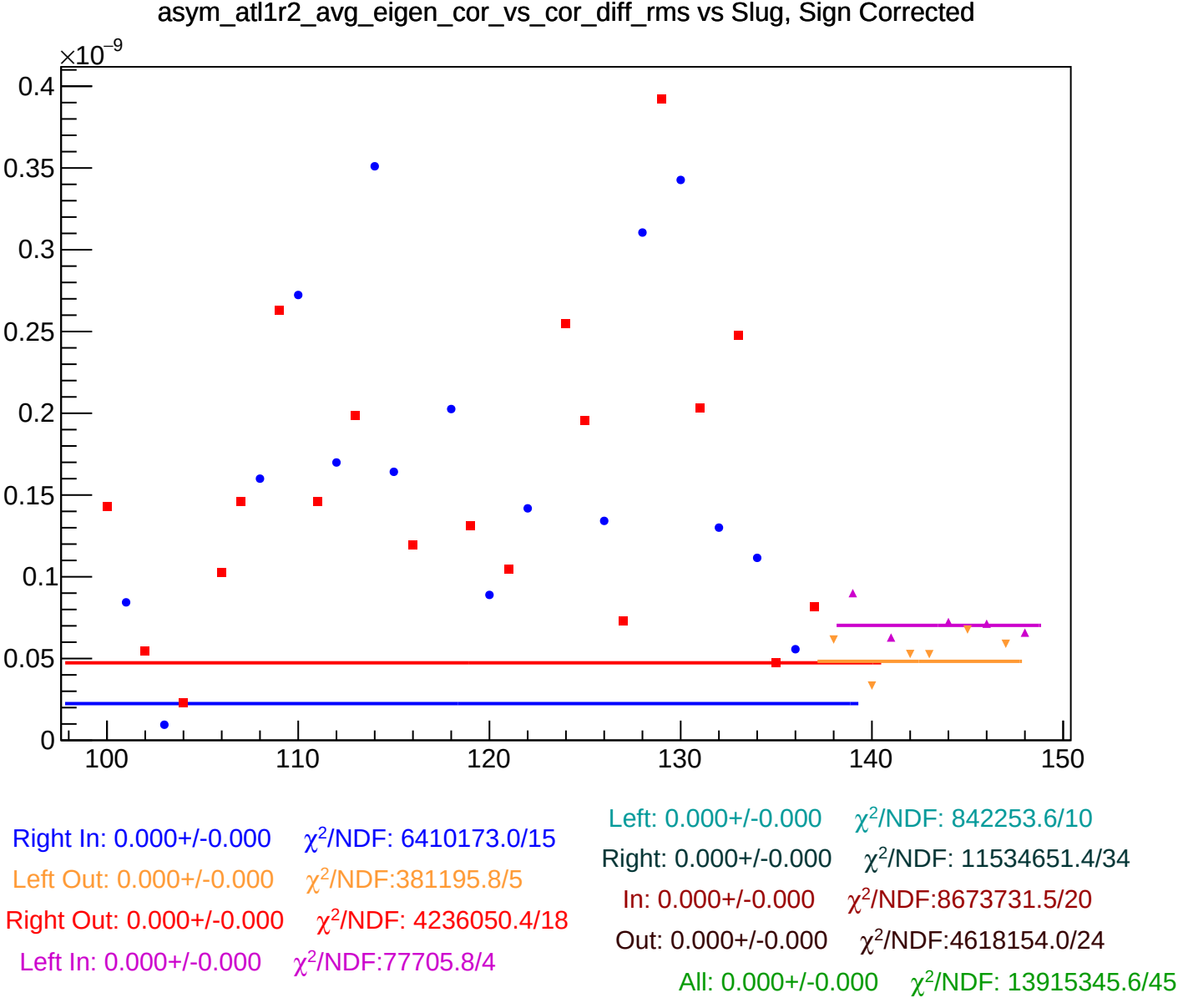
Left: 0.000+/-0.000 χ^2/NDF: 6.0/10

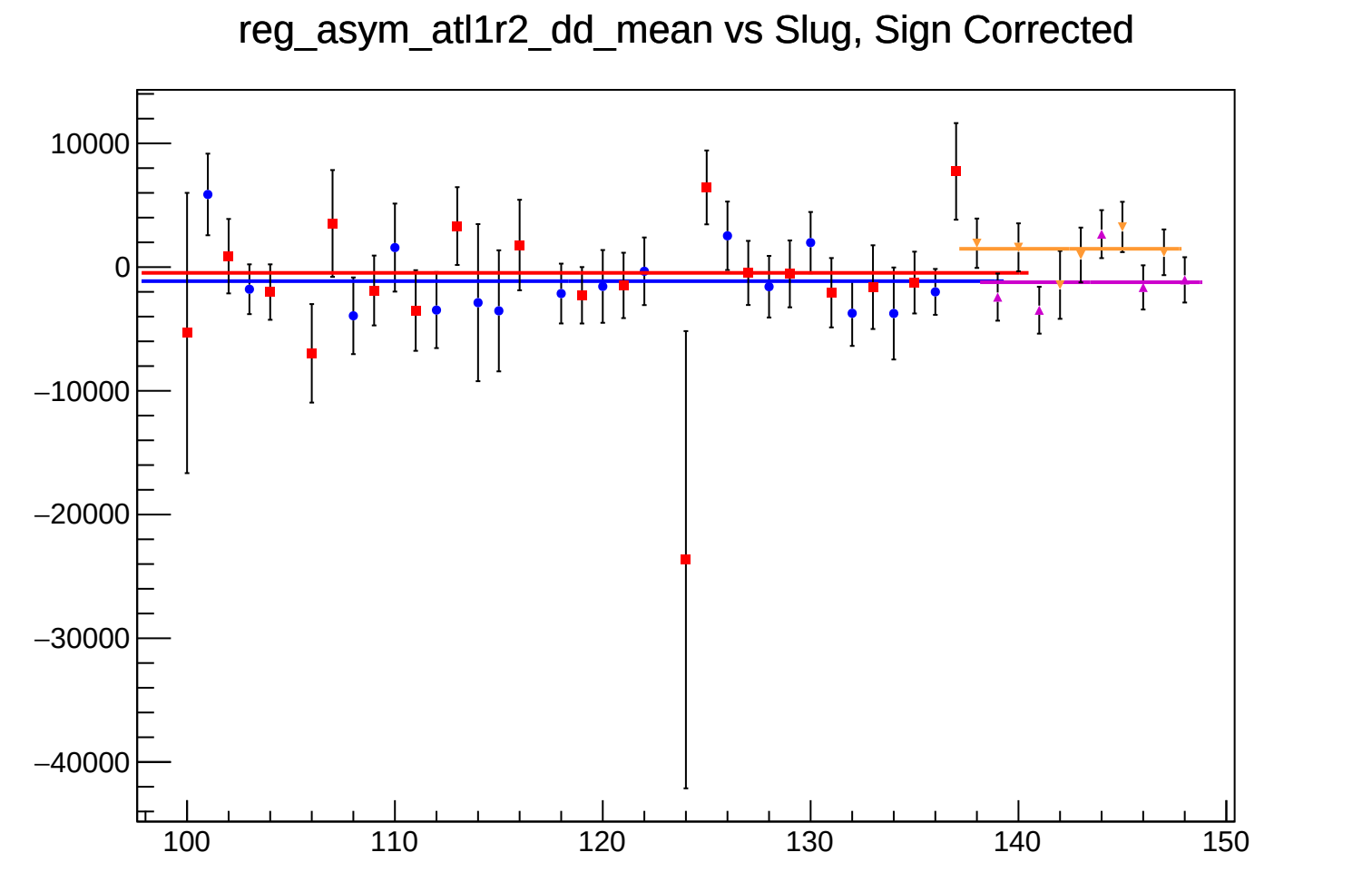
Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:21.8/20

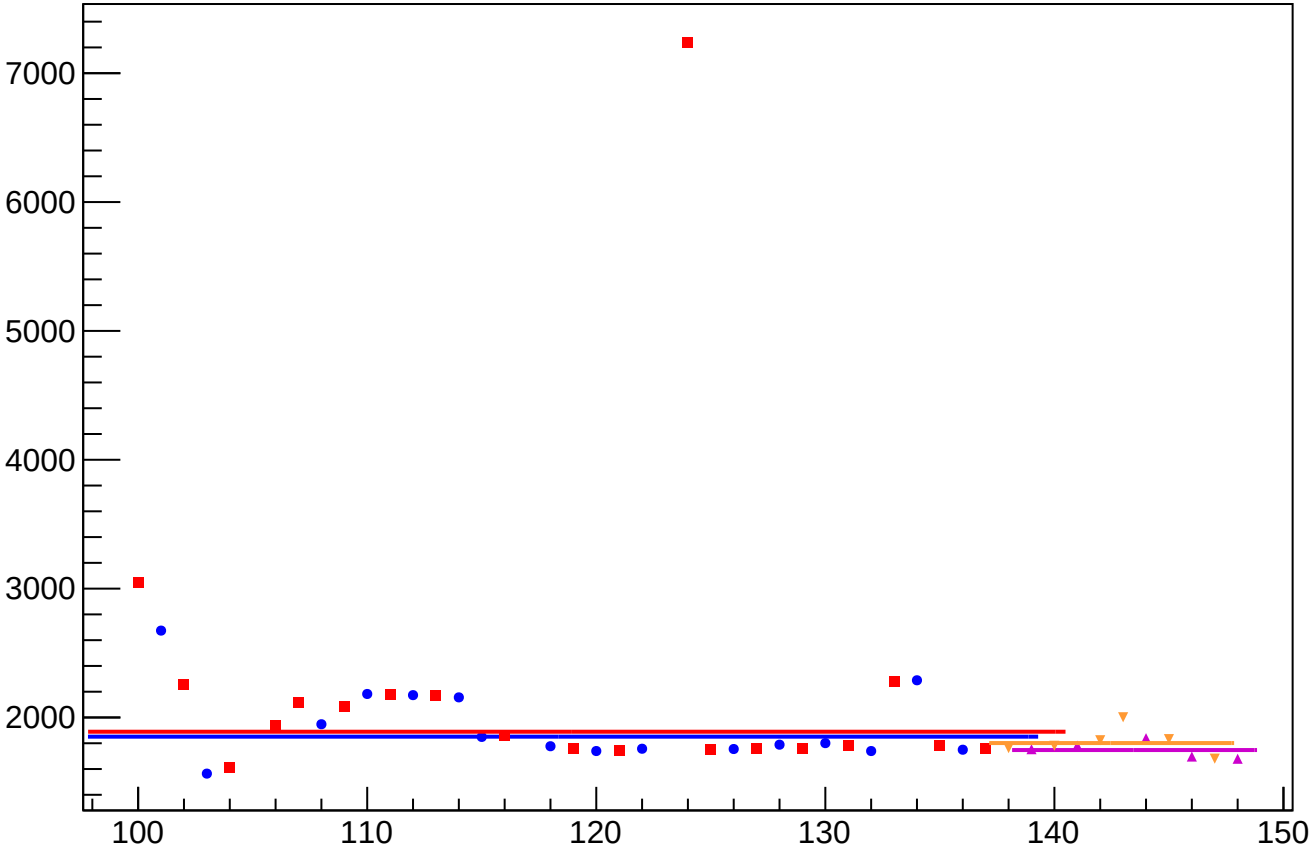
Out: 0.000+/-0.000 χ^2/NDF:31.6/24

All: 0.000+/-0.000 χ^2/NDF: 53.7/45


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:381195.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:77705.8/4
Left: 0.000+/-0.000 χ²/NDF: 842253.6/10
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:8673731.5/20
Out: 0.000+/-0.000 χ²/NDF:4618154.0/24
All: 0.000+/-0.000 χ²/NDF: 13915345.6/45


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 1479.731+/-848.570 χ²/NDF:2.0/5
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: -1222.892+/-835.799 χ²/NDF:5.9/4
Left: 107.929+/-595.463 χ²/NDF: 13.1/10
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -1170.636+/-533.831 χ²/NDF:18.2/20
Out: 330.096+/-542.690 χ²/NDF:25.1/24
All: -432.619+/-380.569 χ²/NDF: 47.2/45

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1801.528+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

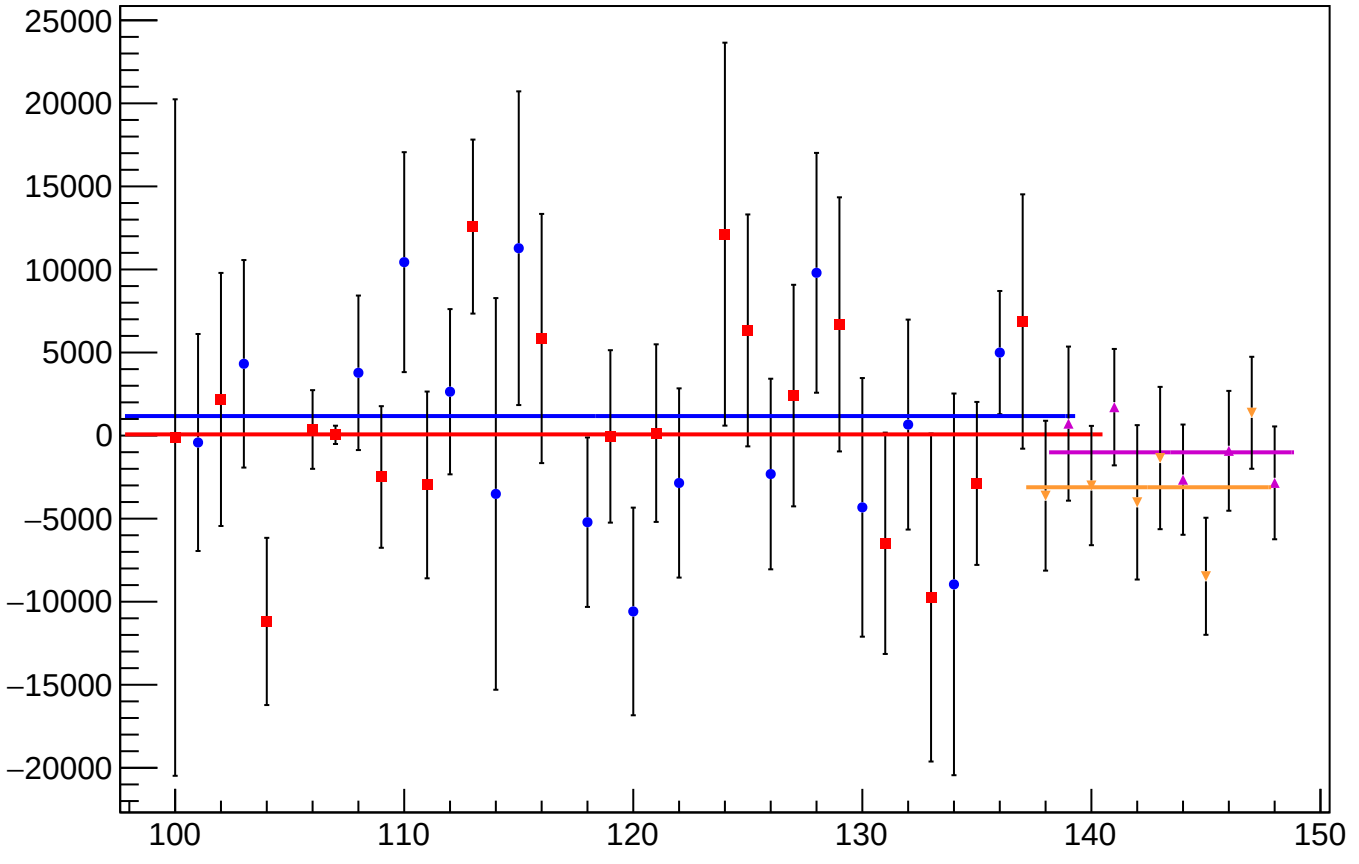
Left: 1774.002+/-0.421 χ^2/NDF: 40138.0/10

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1808.772+/-0.377 χ^2/NDF:287756.9/20

Out: 1853.634+/-0.383 χ^2/NDF:398129.4/24

All: 1830.865+/-0.269 χ^2/NDF: 692842.1/45



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -3110.190+/-1588.933 χ^2/NDF:4.3/5

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -1007.713+/-1617.382 χ^2/NDF:1.3/4

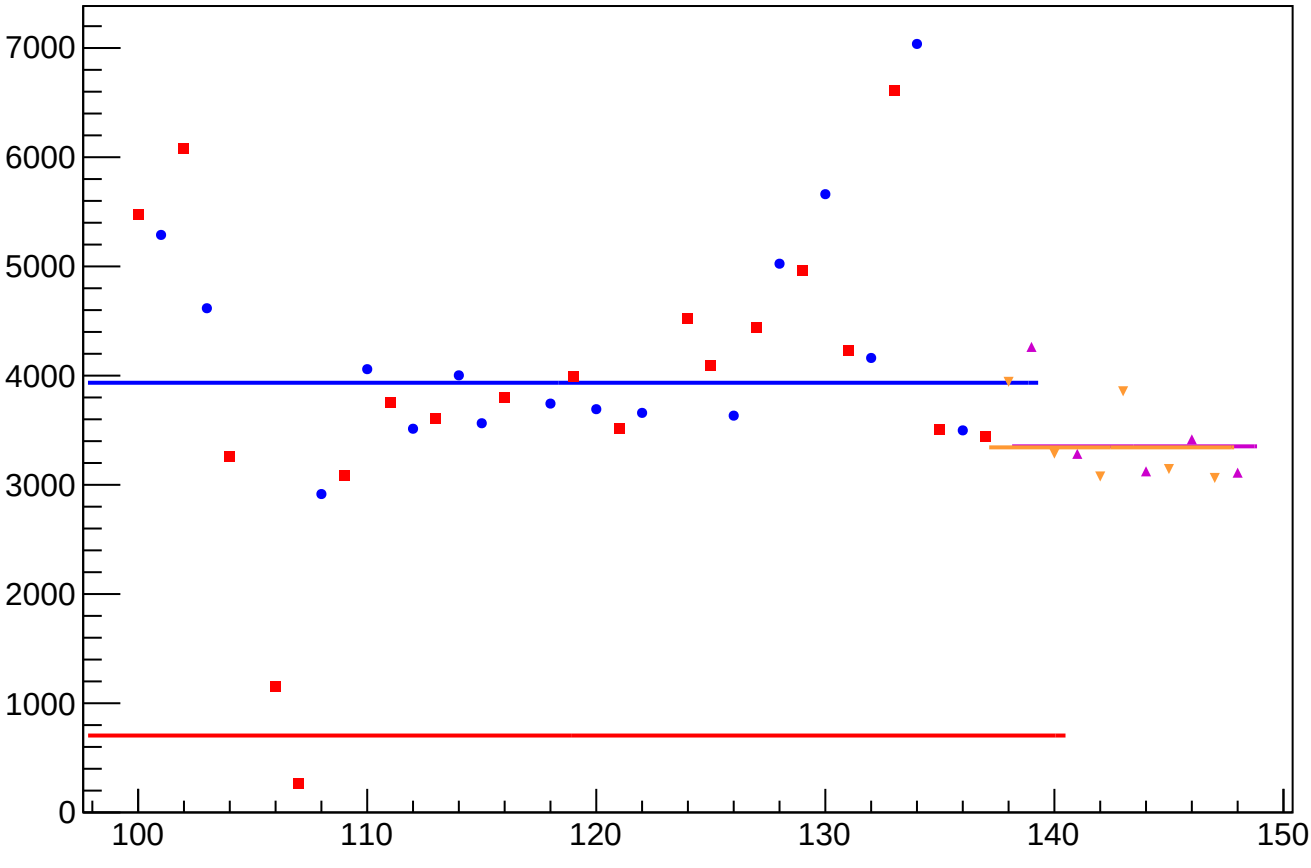
Left: -2077.605+/-1133.470 χ^2/NDF: 6.4/10

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 164.407+/-1100.657 χ^2/NDF:16.0/20

Out: -220.058+/-481.877 χ^2/NDF:25.9/24

All: -158.218+/-441.425 χ^2/NDF: 42.0/45



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3343.091+/-1.124 χ^2/NDF:91368.9/5

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3352.476+/-1.144 χ^2/NDF:98063.6/4

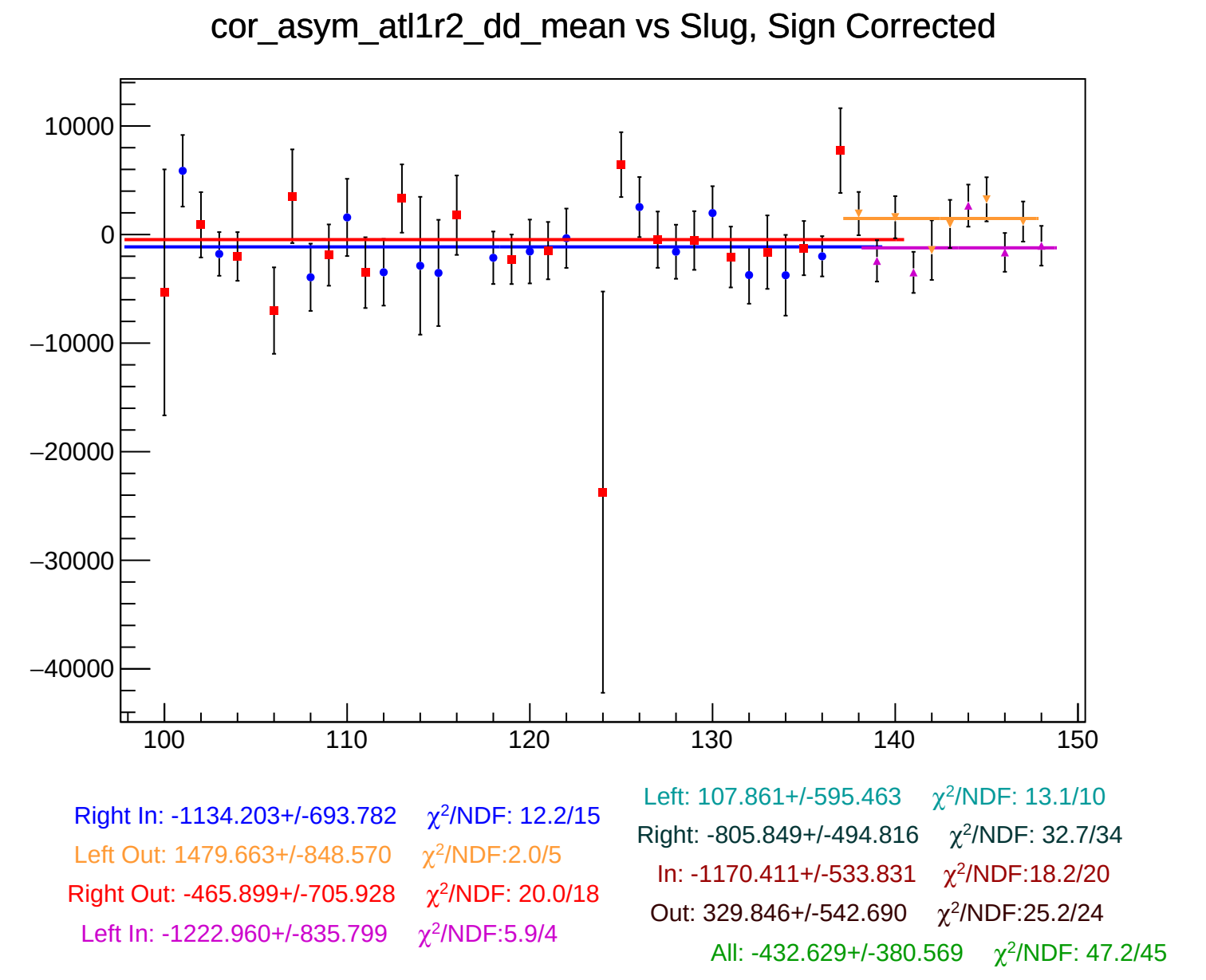
Left: 3347.700+/-0.801 χ^2/NDF: 189466.7/10

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

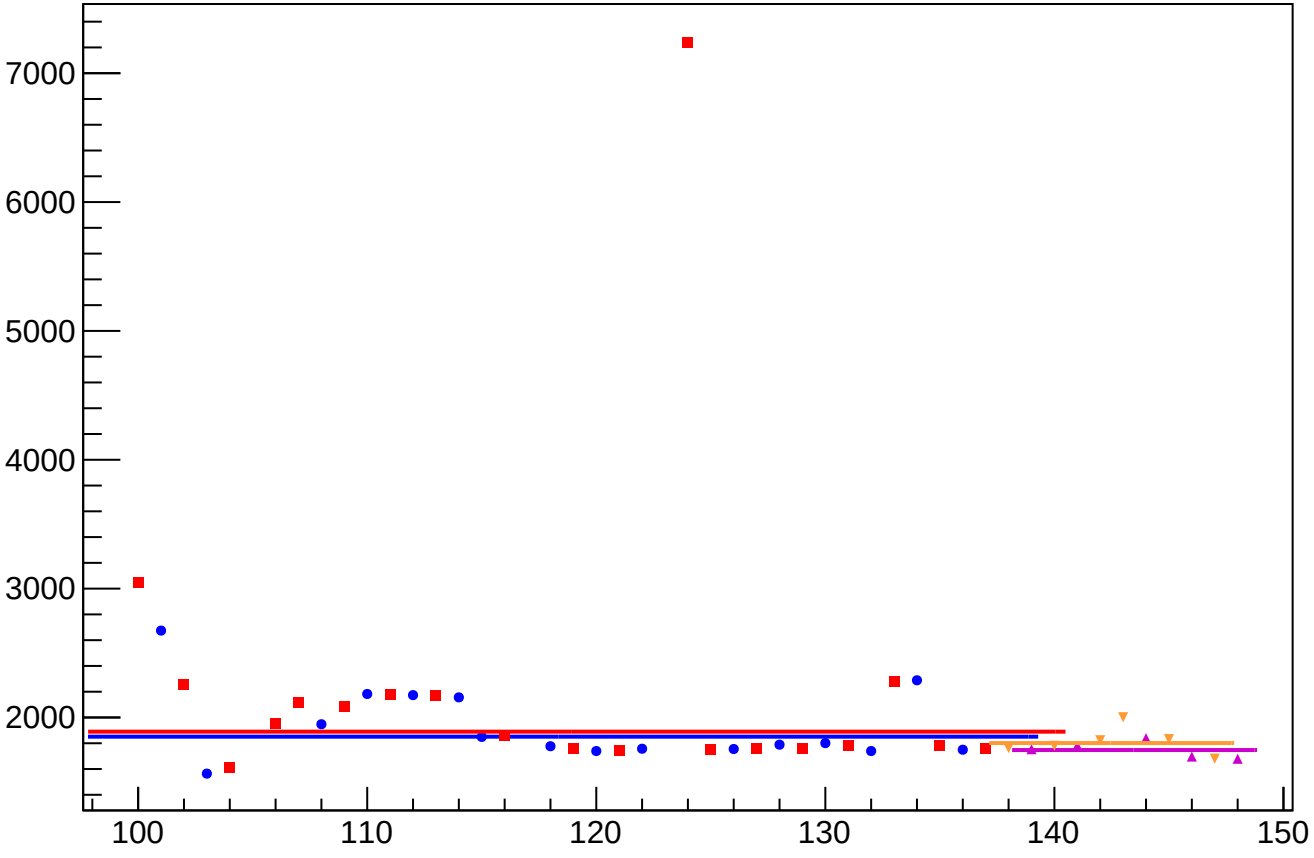
In: 3665.079+/-0.778 χ^2/NDF:797345.0/20

Out: 947.076+/-0.341 χ^2/NDF:15718417.1/24

All: 1384.256+/-0.312 χ^2/NDF: 26750288.9/4


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1479.663+/-848.570 χ²/NDF:2.0/5
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -1222.960+/-835.799 χ²/NDF:5.9/4
Left: 107.861+/-595.463 χ²/NDF: 13.1/10
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1170.411+/-533.831 χ²/NDF:18.2/20
Out: 329.846+/-542.690 χ²/NDF:25.2/24
All: -432.629+/-380.569 χ²/NDF: 47.2/45

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1801.529+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

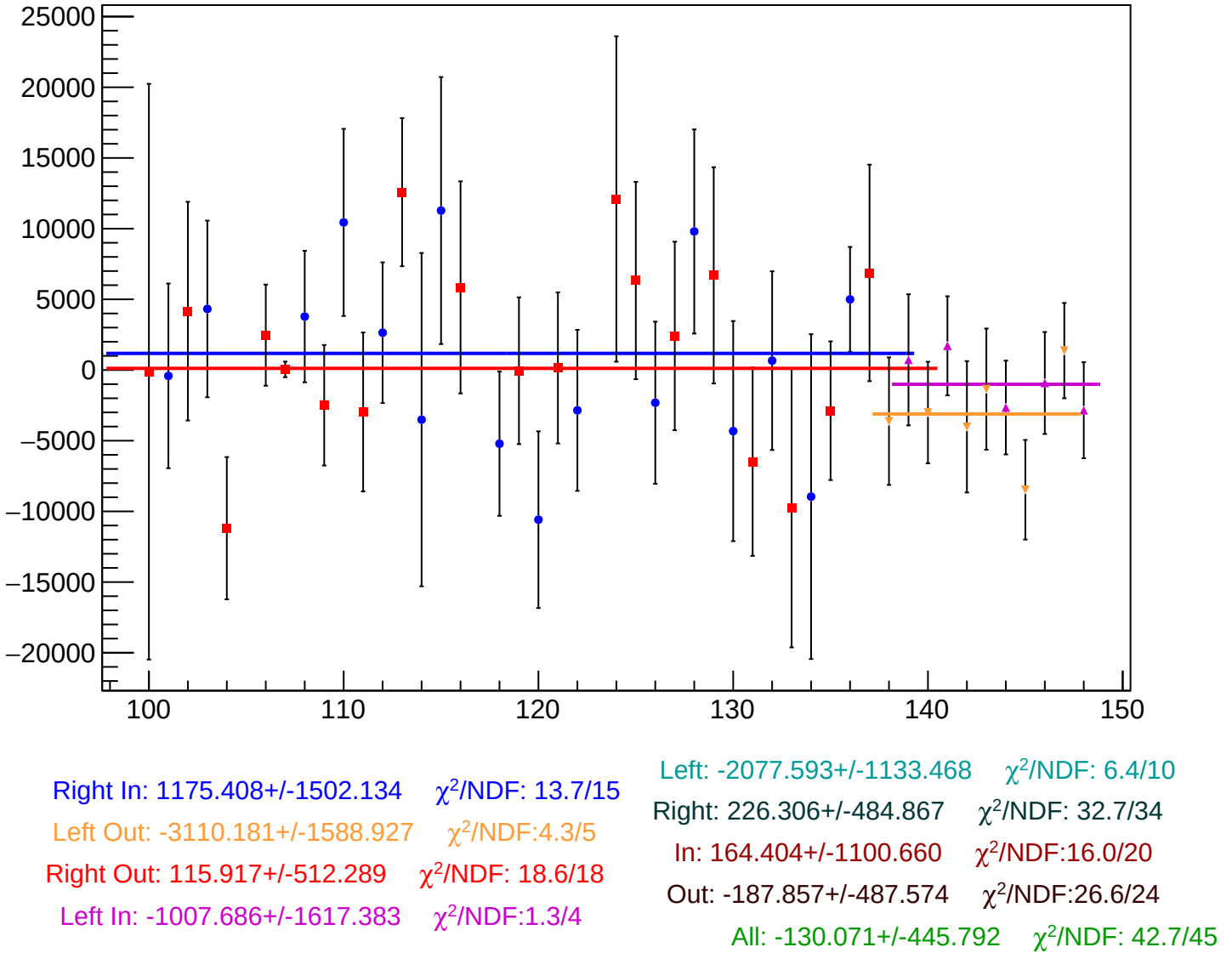
Left: 1774.002+/-0.421 χ^2/NDF: 40138.0/10

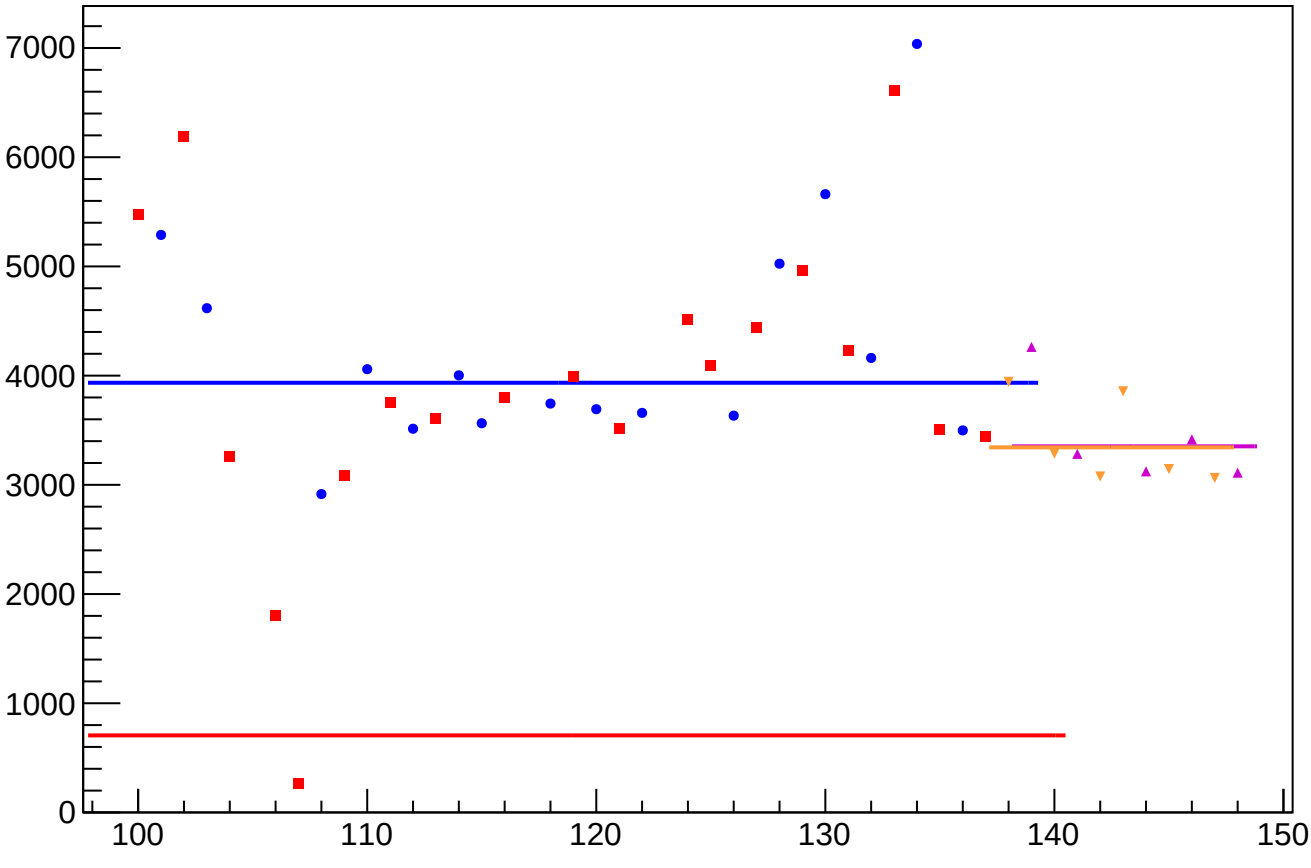
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1808.773+/-0.377 χ^2/NDF:287756.2/20

Out: 1853.896+/-0.383 χ^2/NDF:398479.7/24

All: 1830.991+/-0.269 χ^2/NDF: 693272.0/45


asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -3110.181+/-1588.927 χ²/NDF:4.3/5
Right Out: 115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -1007.686+/-1617.383 χ²/NDF:1.3/4
Left: -2077.593+/-1133.468 χ²/NDF: 6.4/10
Right: 226.306+/-484.867 χ²/NDF: 32.7/34
In: 164.404+/-1100.660 χ²/NDF:16.0/20
Out: -187.857+/-487.574 χ²/NDF:26.6/24
All: -130.071+/-445.792 χ²/NDF: 42.7/45



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3343.077+/-1.124 χ^2/NDF:91371.2/5

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

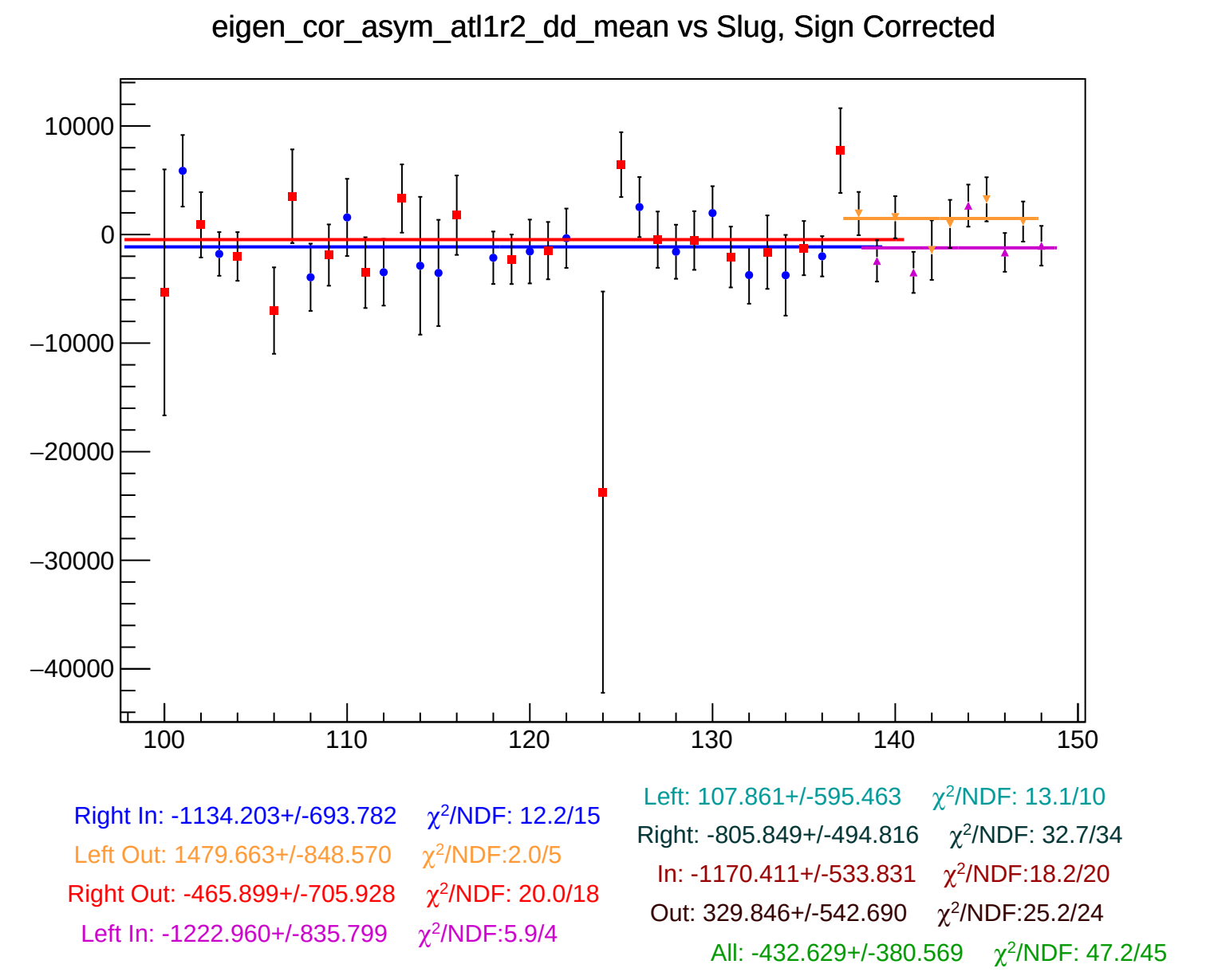
Left: 3347.695+/-0.801 χ^2/NDF: 189467.9/10

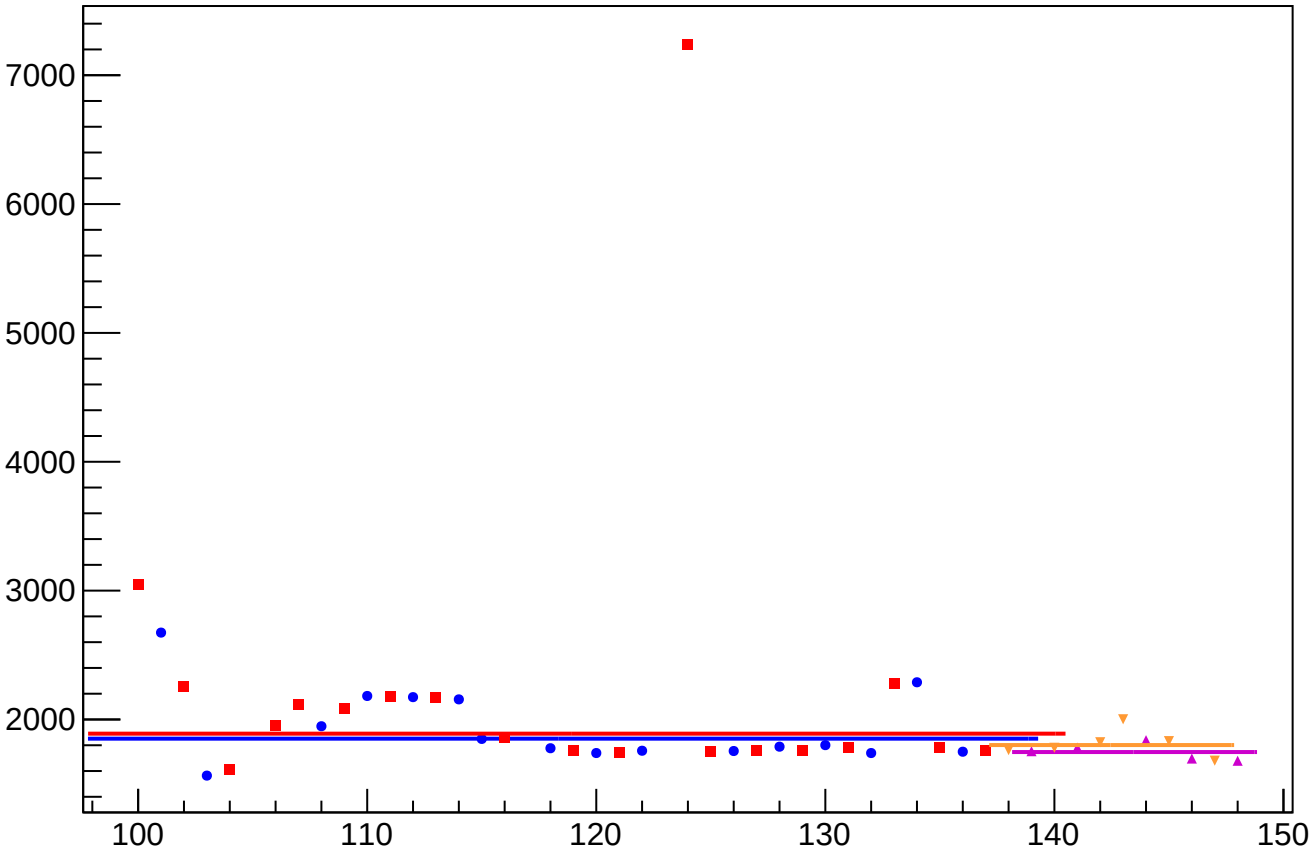
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3665.085+/-0.778 χ^2/NDF:797369.4/20

Out: 953.967+/-0.345 χ^2/NDF:15830225.1/24

All: 1398.708+/-0.315 χ^2/NDF: 26771485.3/4


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1479.663+/-848.570 χ²/NDF:2.0/5
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -1222.960+/-835.799 χ²/NDF:5.9/4
Left: 107.861+/-595.463 χ²/NDF: 13.1/10
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1170.411+/-533.831 χ²/NDF:18.2/20
Out: 329.846+/-542.690 χ²/NDF:25.2/24
All: -432.629+/-380.569 χ²/NDF: 47.2/45



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1801.529+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

Left: 1774.002+/-0.421 χ^2/NDF: 40138.0/10

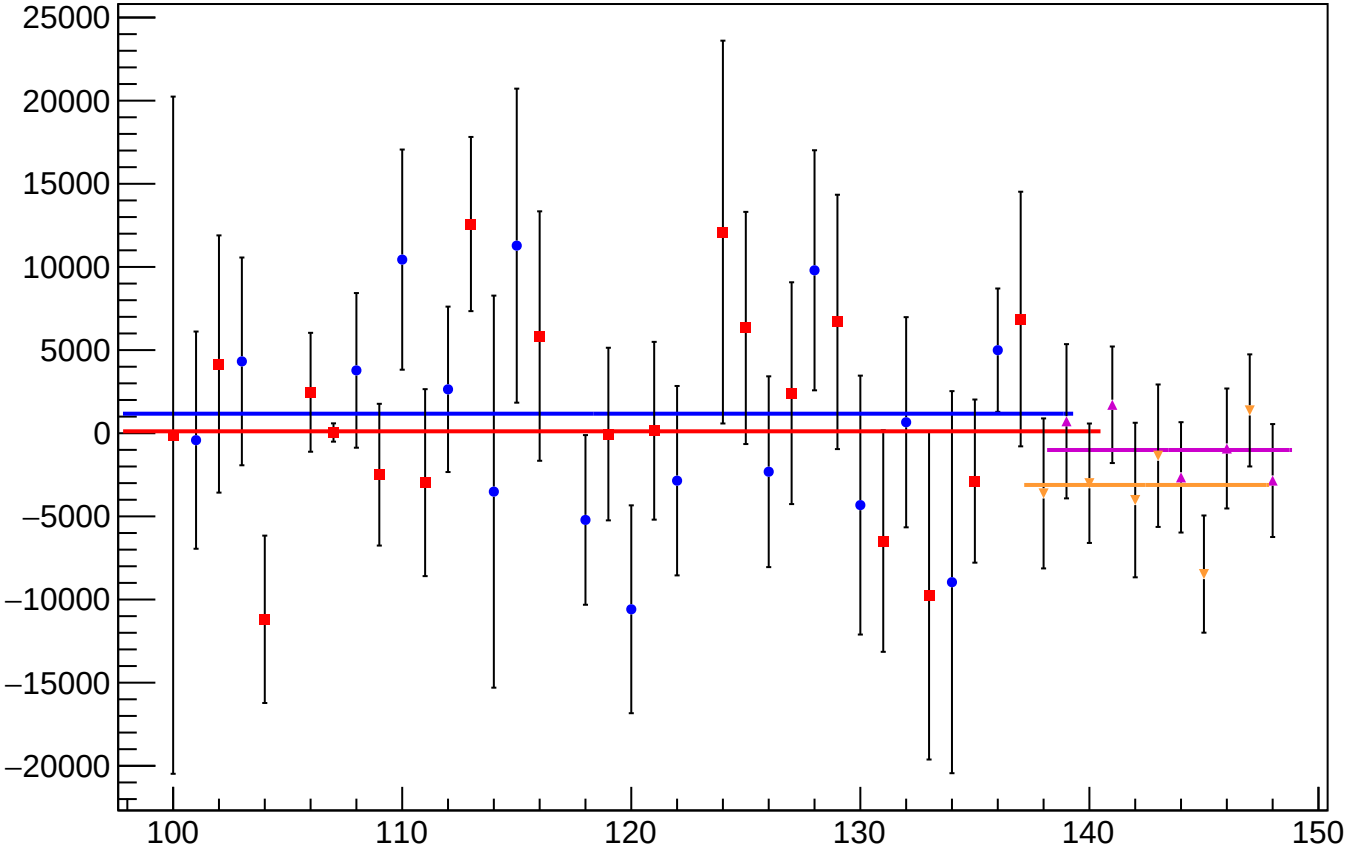
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1808.773+/-0.377 χ^2/NDF:287756.2/20

Out: 1853.896+/-0.383 χ^2/NDF:398479.7/24

All: 1830.991+/-0.269 χ^2/NDF: 693272.0/45

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: -3110.181+/-1588.927 χ^2/NDF:4.3/5

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1007.686+/-1617.383 χ^2/NDF:1.3/4

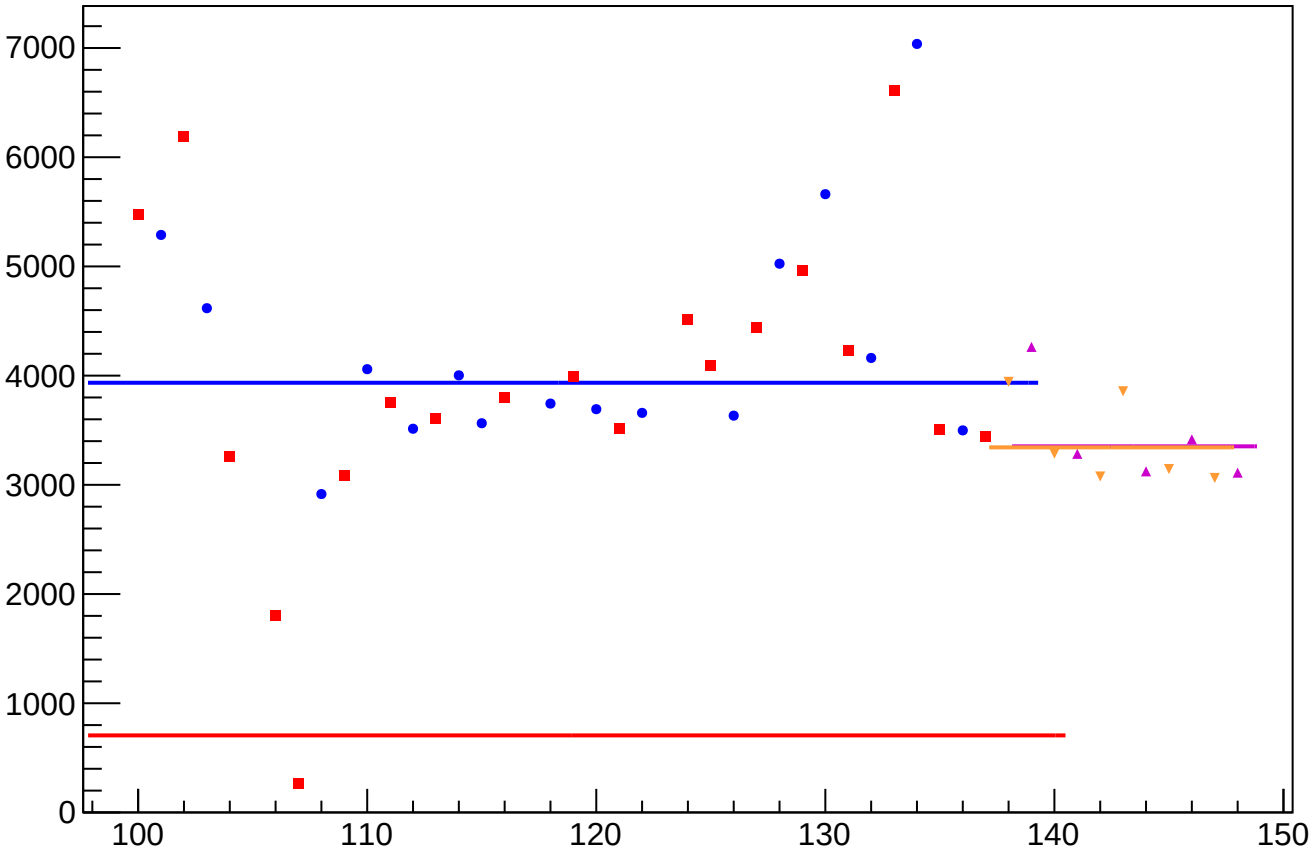
Left: -2077.593+/-1133.468 χ^2/NDF: 6.4/10

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 164.404+/-1100.660 χ^2/NDF:16.0/20

Out: -187.857+/-487.574 χ^2/NDF:26.6/24

All: -130.071+/-445.792 χ^2/NDF: 42.7/45



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3343.077+/-1.124 χ^2/NDF:91371.2/5

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

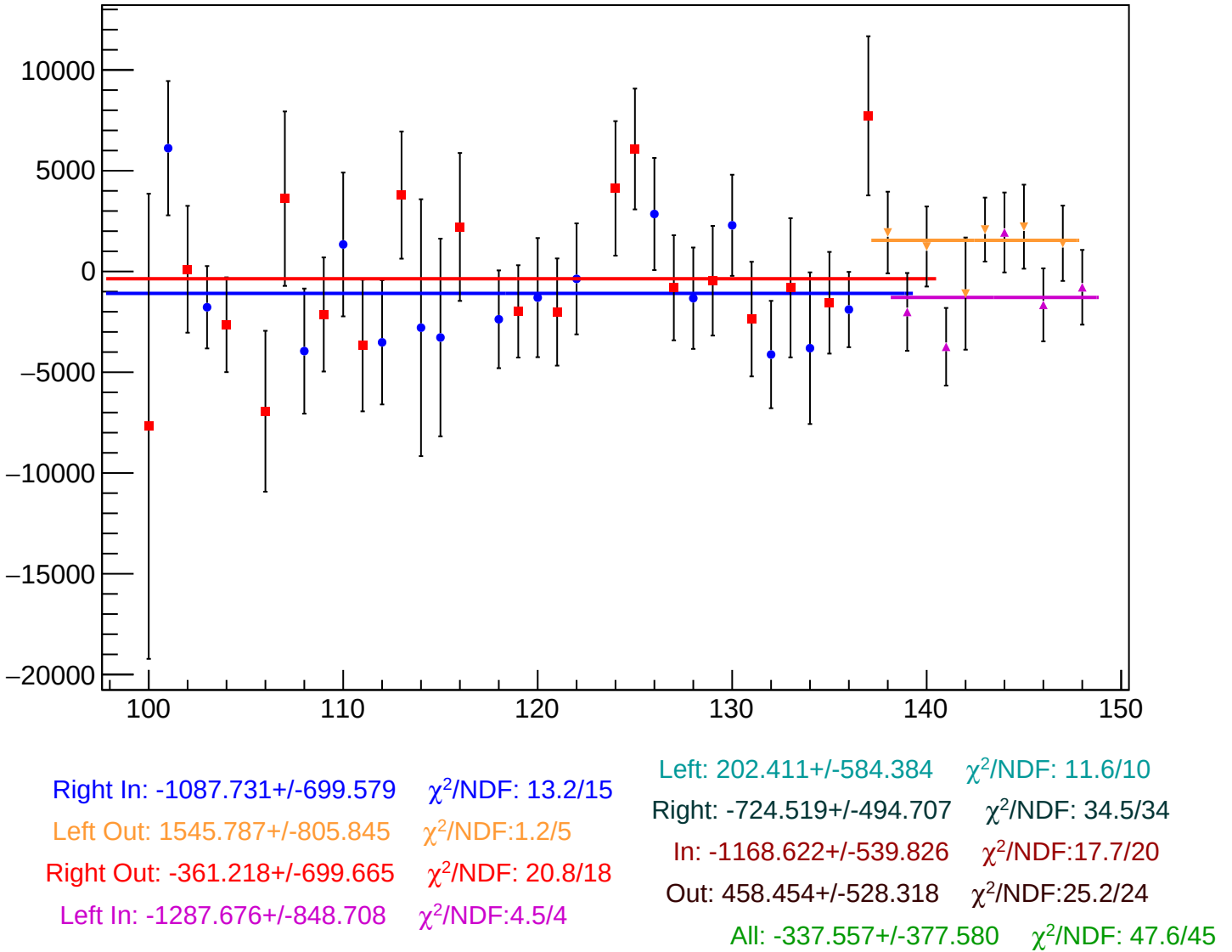
Left: 3347.695+/-0.801 χ^2/NDF: 189467.9/10

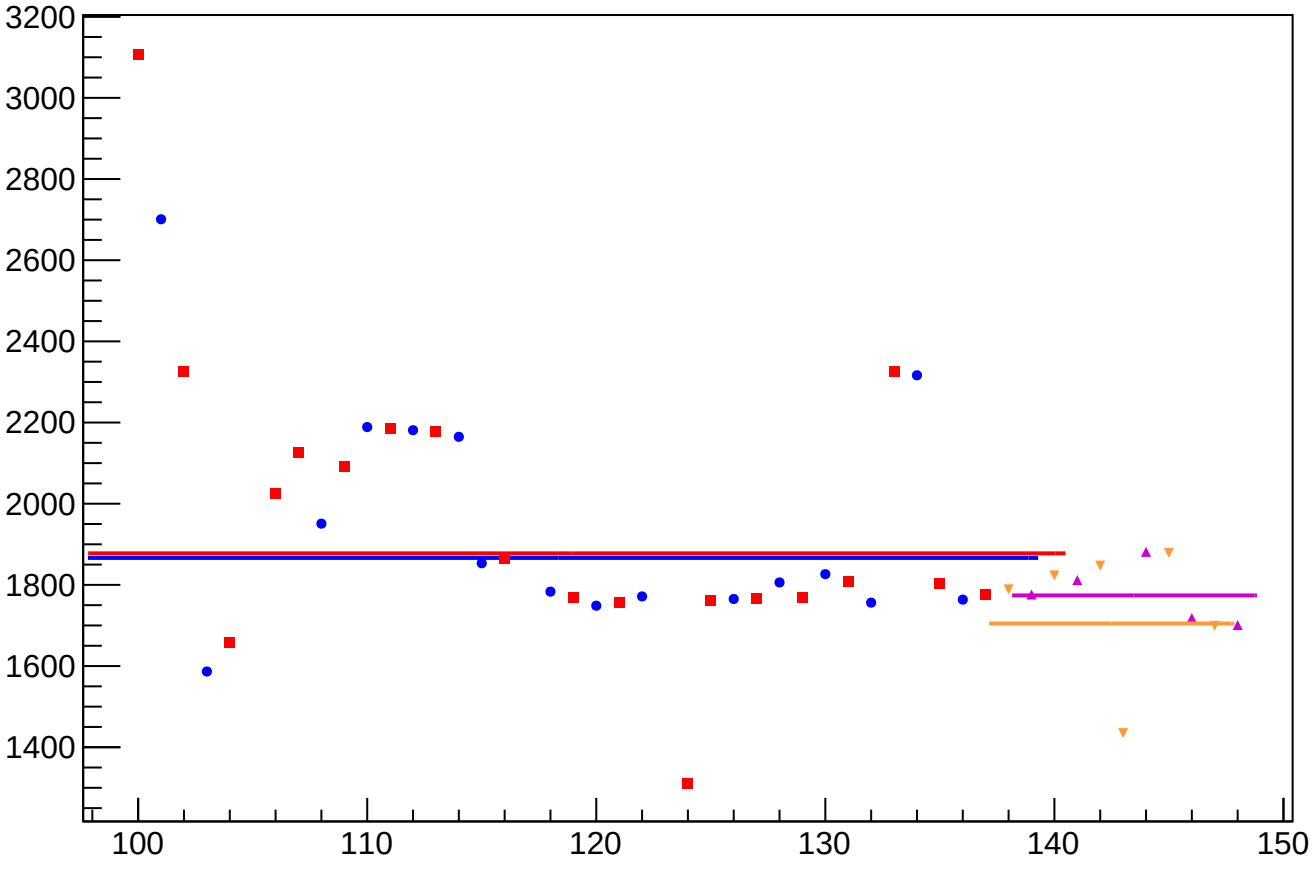
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3665.085+/-0.778 χ^2/NDF:797369.4/20

Out: 953.967+/-0.345 χ^2/NDF:15830225.1/24

All: 1398.708+/-0.315 χ^2/NDF: 26771485.3/4


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 1545.787+/-805.845 χ²/NDF:1.2/5
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -1287.676+/-848.708 χ²/NDF:4.5/4
Left: 202.411+/-584.384 χ²/NDF: 11.6/10
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1168.622+/-539.826 χ²/NDF:17.7/20
Out: 458.454+/-528.318 χ²/NDF:25.2/24
All: -337.557+/-377.580 χ²/NDF: 47.6/45



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1704.864+/-0.570 χ^2/NDF:87612.7/5

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1774.029+/-0.600 χ^2/NDF:11617.5/4

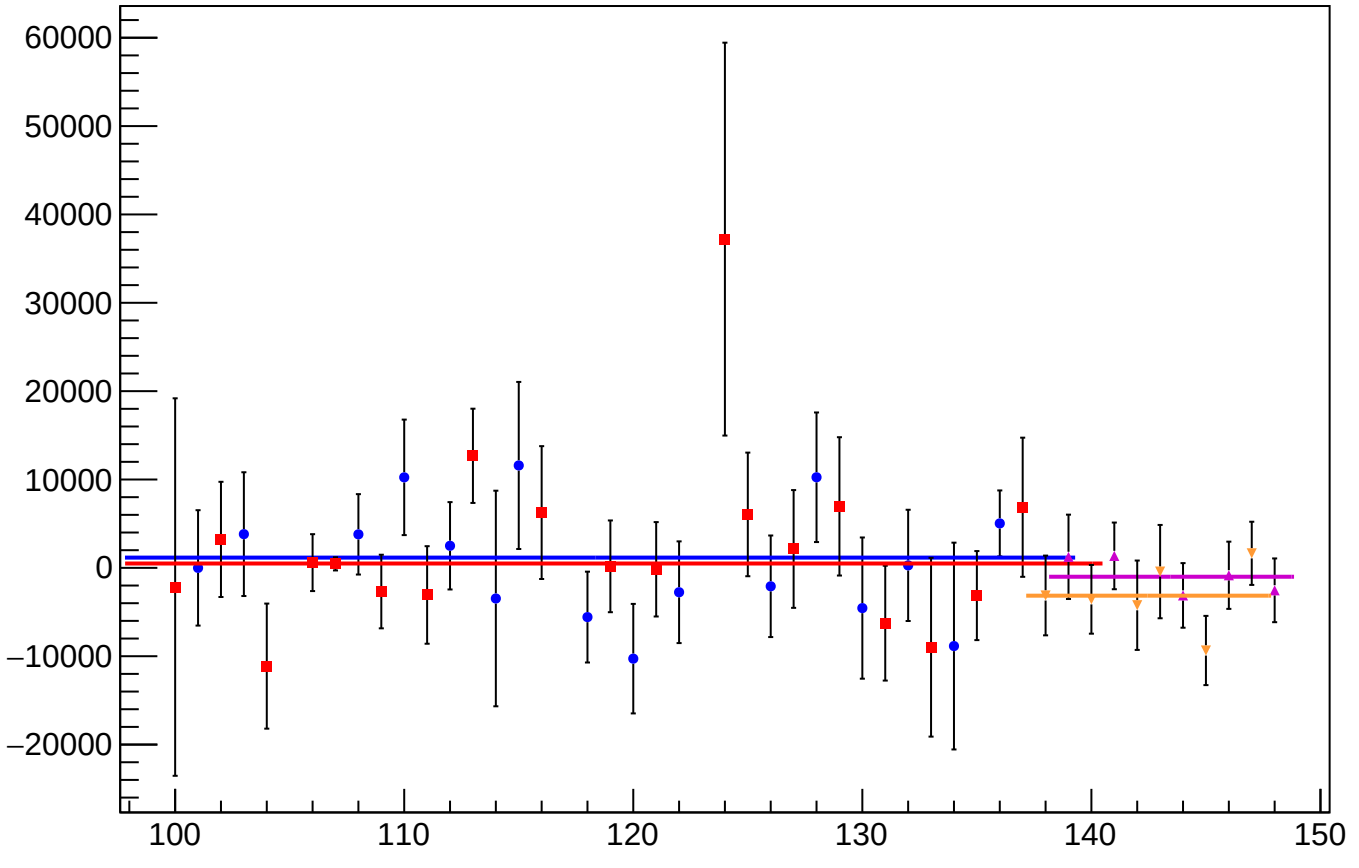
Left: 1737.656+/-0.413 χ^2/NDF: 106215.4/10

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1829.063+/-0.382 χ^2/NDF:282003.3/20

Out: 1803.458+/-0.373 χ^2/NDF:391932.7/24

All: 1815.979+/-0.267 χ^2/NDF: 676235.3/45



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3147.913+/-1731.416 χ^2/NDF:4.6/5

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -1004.522+/-1728.058 χ^2/NDF:1.1/4

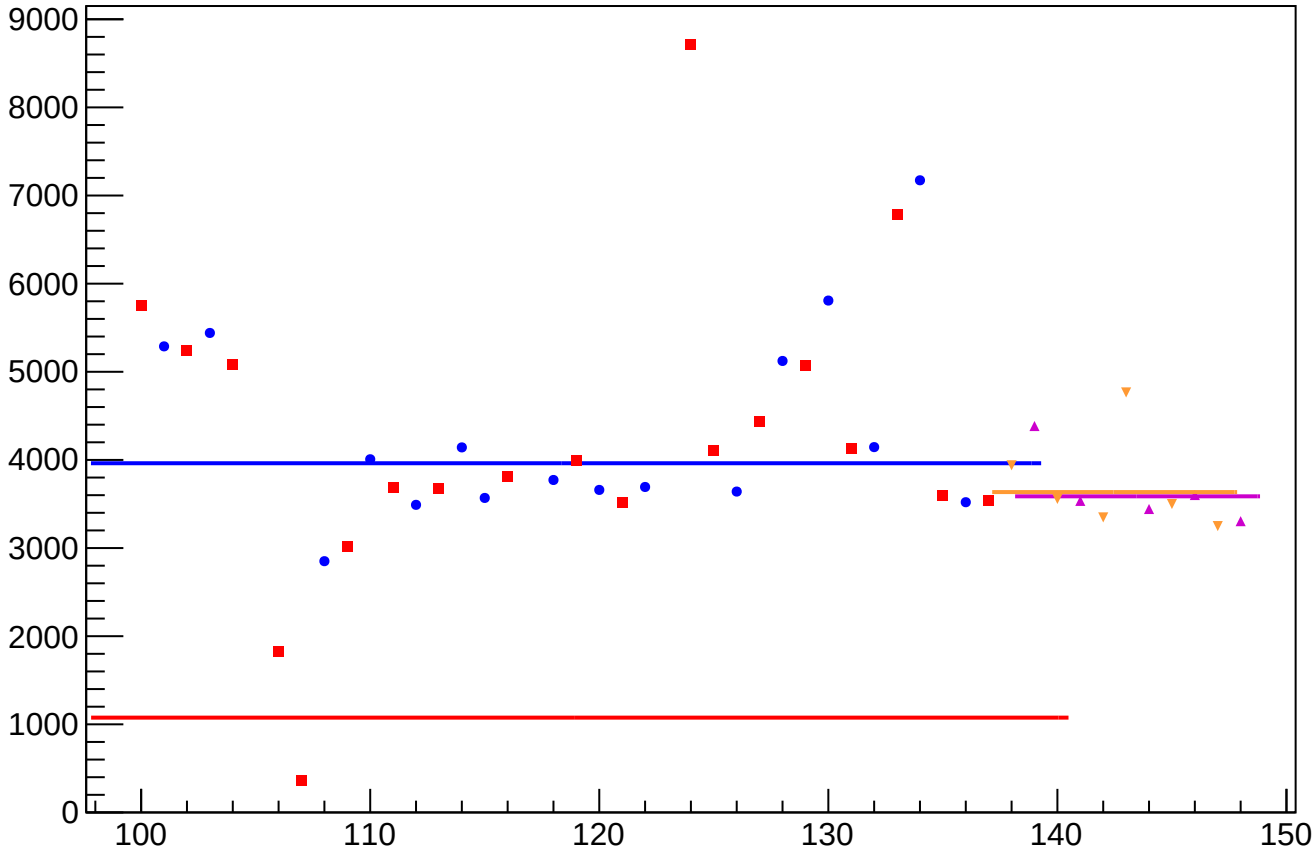
Left: -2074.137+/-1223.107 χ^2/NDF: 6.5/10

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 221.916+/-1138.008 χ^2/NDF:15.7/20

Out: 32.811+/-615.497 χ^2/NDF:25.4/24

All: 75.609+/-541.386 χ^2/NDF: 41.1/45



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3635.211+/-1.224 χ^2/NDF:133670.2/5

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3586.990+/-1.222 χ^2/NDF:71542.9/4

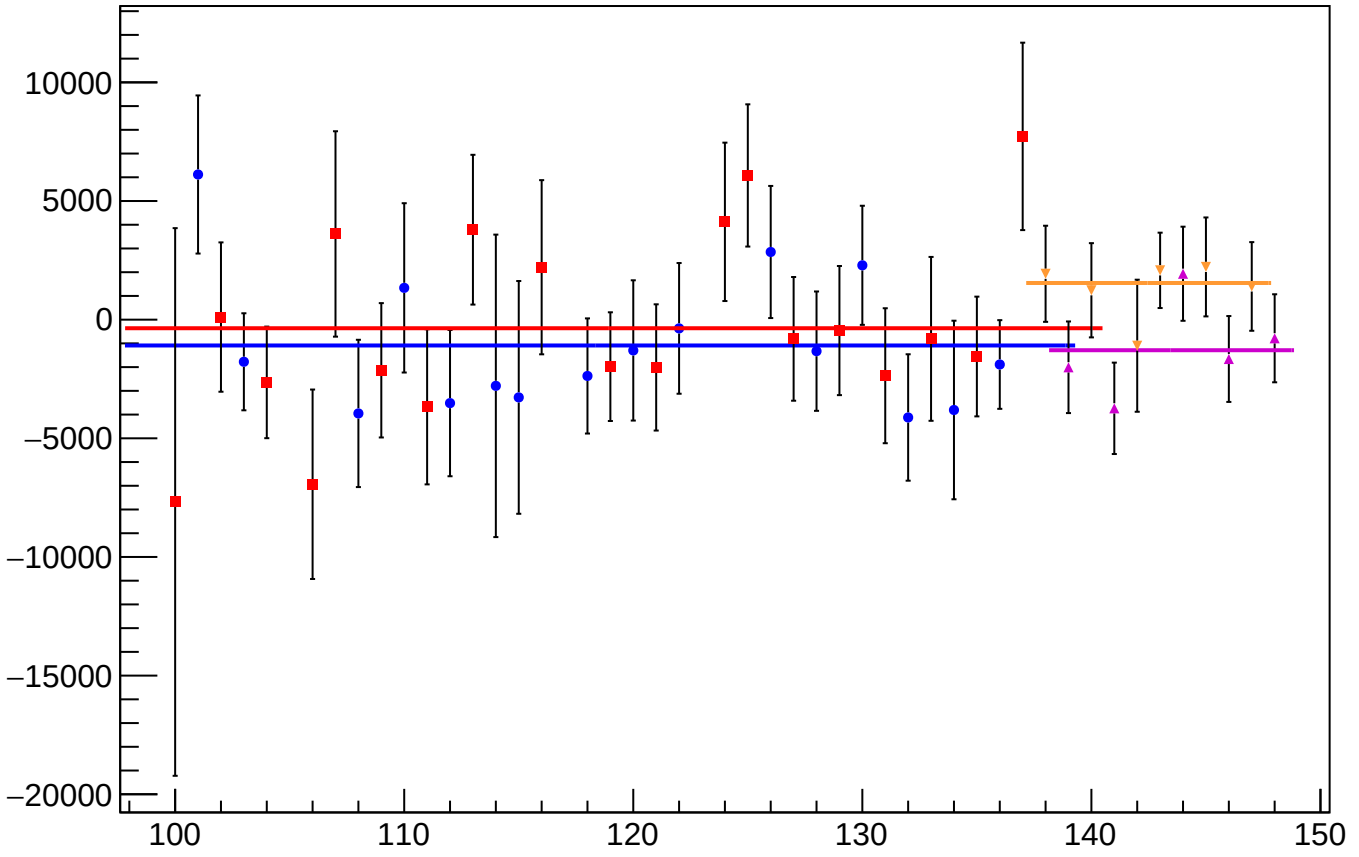
Left: 3611.054+/-0.865 χ^2/NDF: 205990.2/10

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3799.572+/-0.805 χ^2/NDF:793327.7/20

Out: 1399.374+/-0.435 χ^2/NDF:13509560.4/24

All: 1942.587+/-0.383 χ^2/NDF: 21186156.2/4



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1545.778+/-805.845 χ^2/NDF:1.2/5

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1287.671+/-848.709 χ^2/NDF:4.5/4

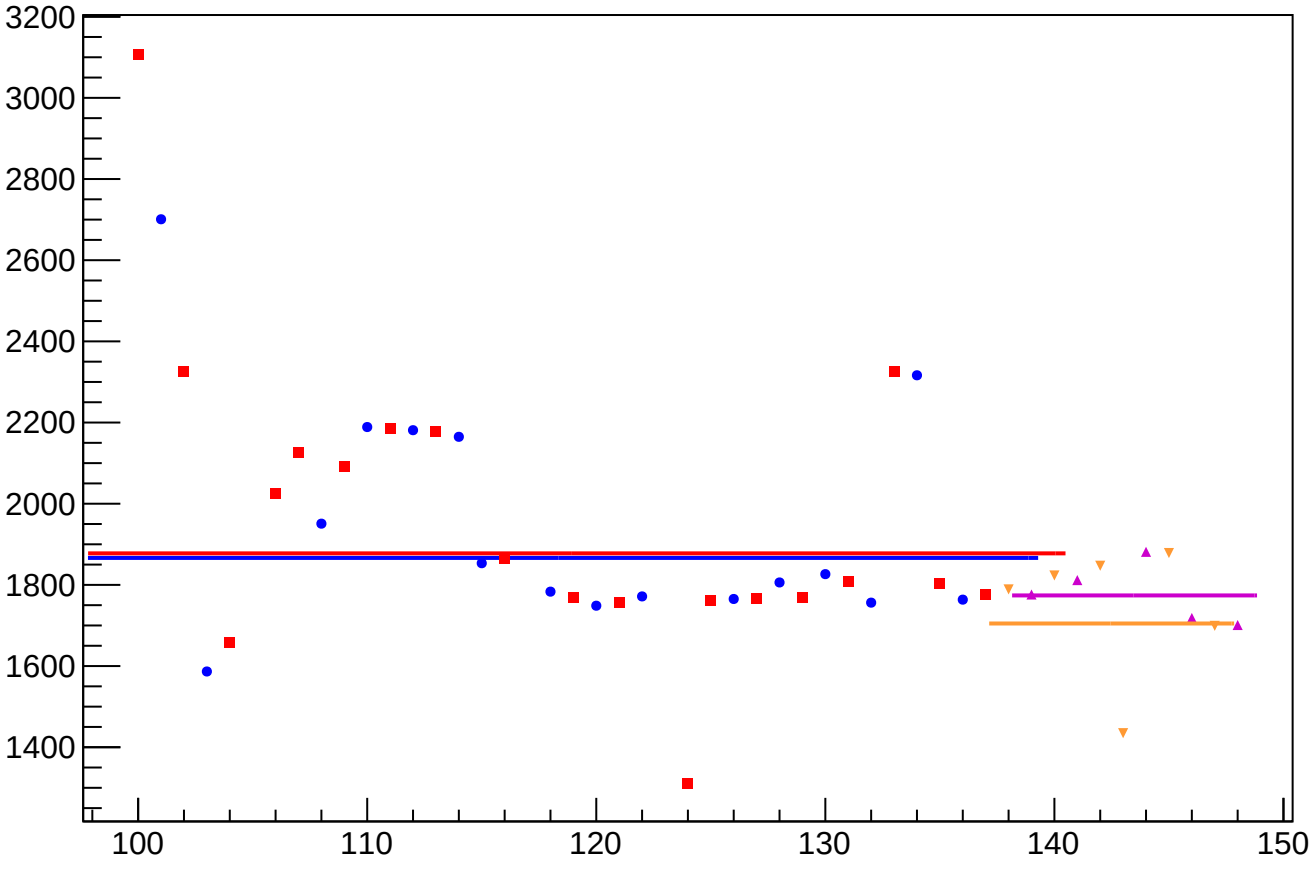
Left: 202.408+/-584.384 χ^2/NDF: 11.6/10

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1168.623+/-539.826 χ^2/NDF:17.7/20

Out: 458.446+/-528.318 χ^2/NDF:25.2/24

All: -337.562+/-377.580 χ^2/NDF: 47.6/45



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1704.865+/-0.570 χ^2/NDF:87611.8/5

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1774.030+/-0.600 χ^2/NDF:11617.4/4

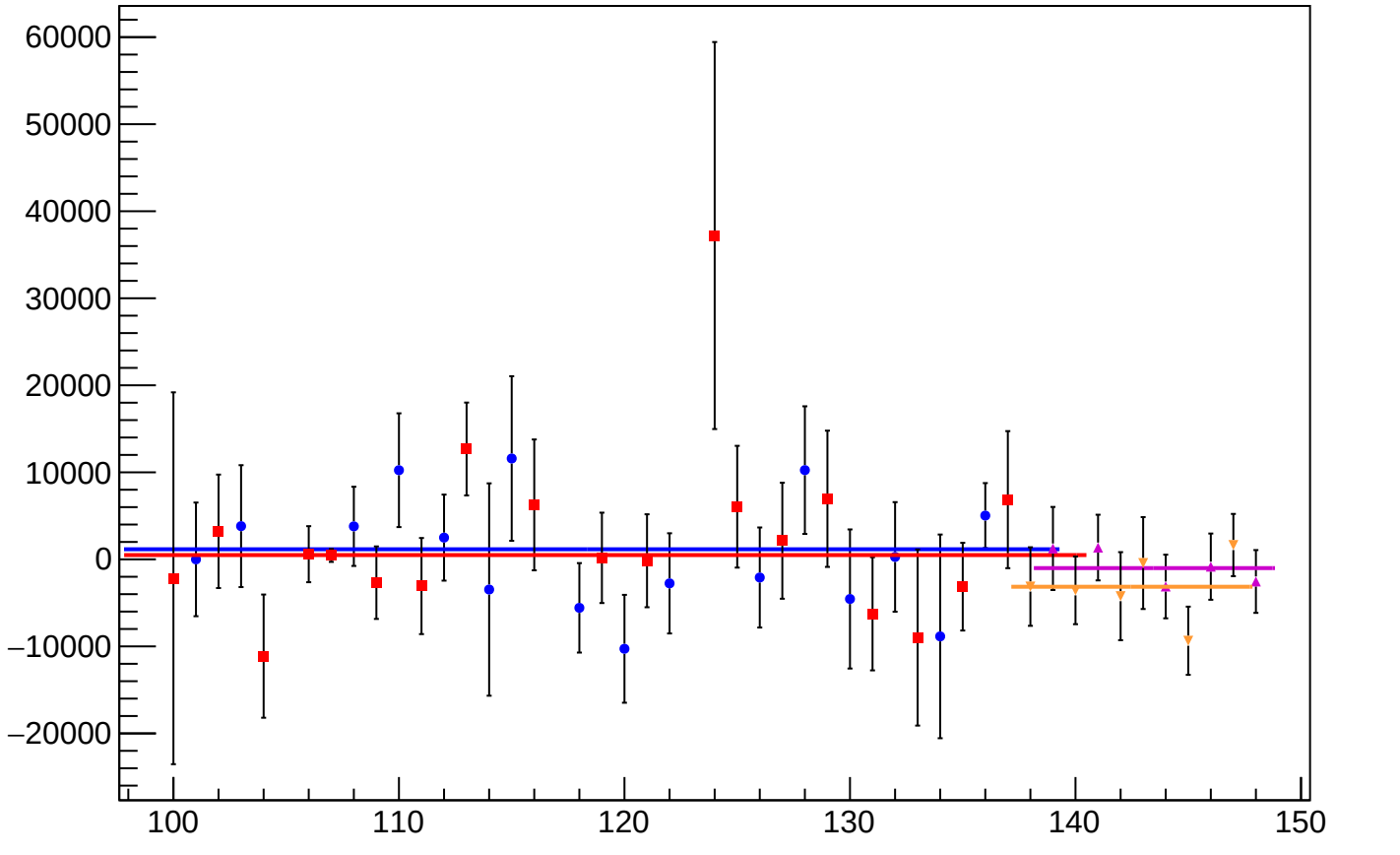
Left: 1737.657+/-0.413 χ^2/NDF: 106214.3/10

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1829.063+/-0.382 χ^2/NDF:282002.9/20

Out: 1803.459+/-0.373 χ^2/NDF:391931.3/24

All: 1815.979+/-0.267 χ^2/NDF: 676233.5/45



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -3147.919+/-1731.417 χ^2/NDF:4.6/5

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -1004.515+/-1728.060 χ^2/NDF:1.1/4

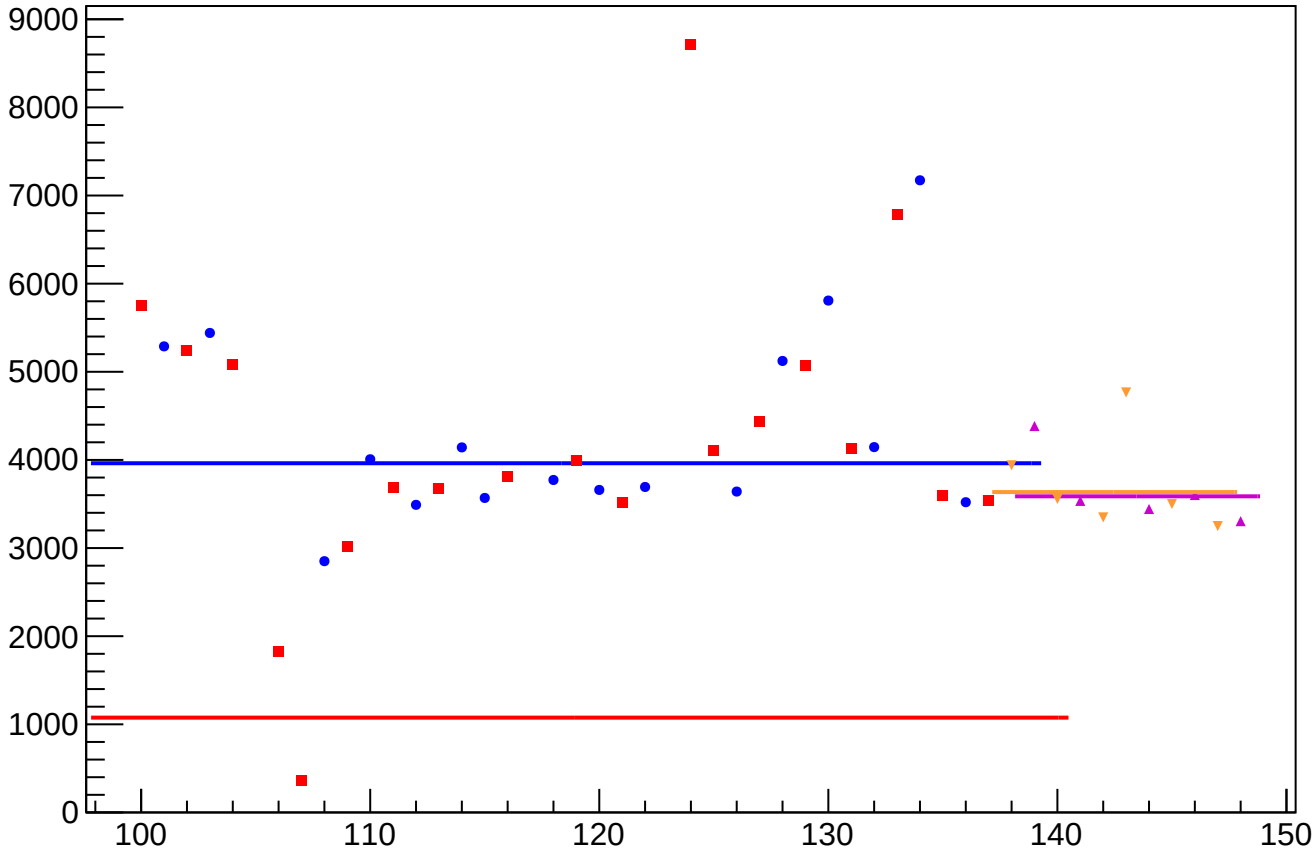
Left: -2074.137+/-1223.108 χ^2/NDF: 6.5/10

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 221.910+/-1138.008 χ^2/NDF:15.7/20

Out: 32.804+/-615.506 χ^2/NDF:25.4/24

All: 75.604+/-541.392 χ^2/NDF: 41.1/45



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3635.215+/-1.224 χ^2/NDF:133668.8/5

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3586.994+/-1.222 χ^2/NDF:71543.3/4

Left: 3611.058+/-0.865 χ^2/NDF: 205989.2/10

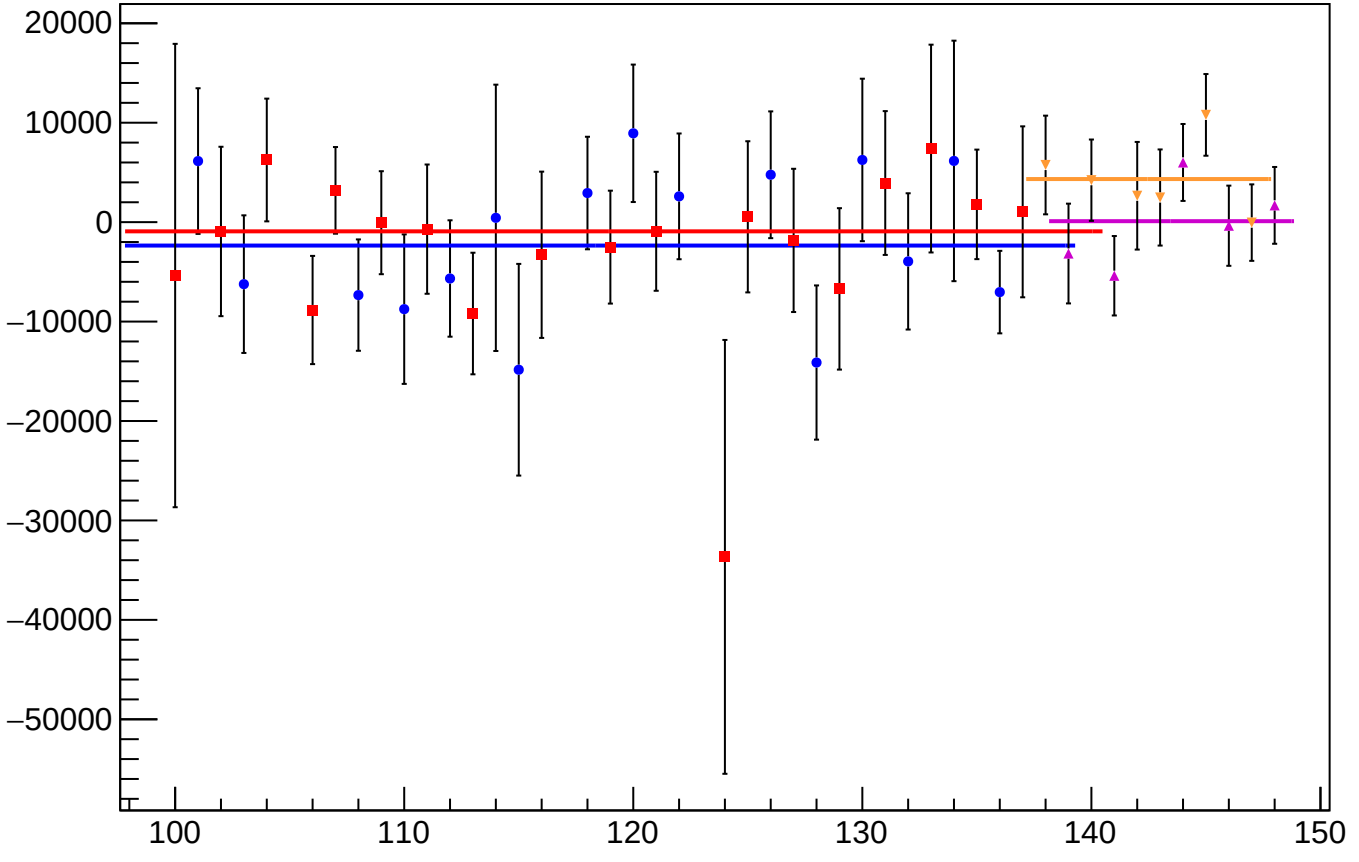
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3799.571+/-0.805 χ^2/NDF:793321.4/20

Out: 1399.410+/-0.435 χ^2/NDF:13509326.2/24

All: 1942.627+/-0.383 χ^2/NDF: 21185662.1/4

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 4334.345+/-1813.162 χ^2/NDF:4.1/5

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 97.078+/-1832.560 χ^2/NDF:4.8/4

Left: 2238.257+/-1288.903 χ^2/NDF: 11.6/10

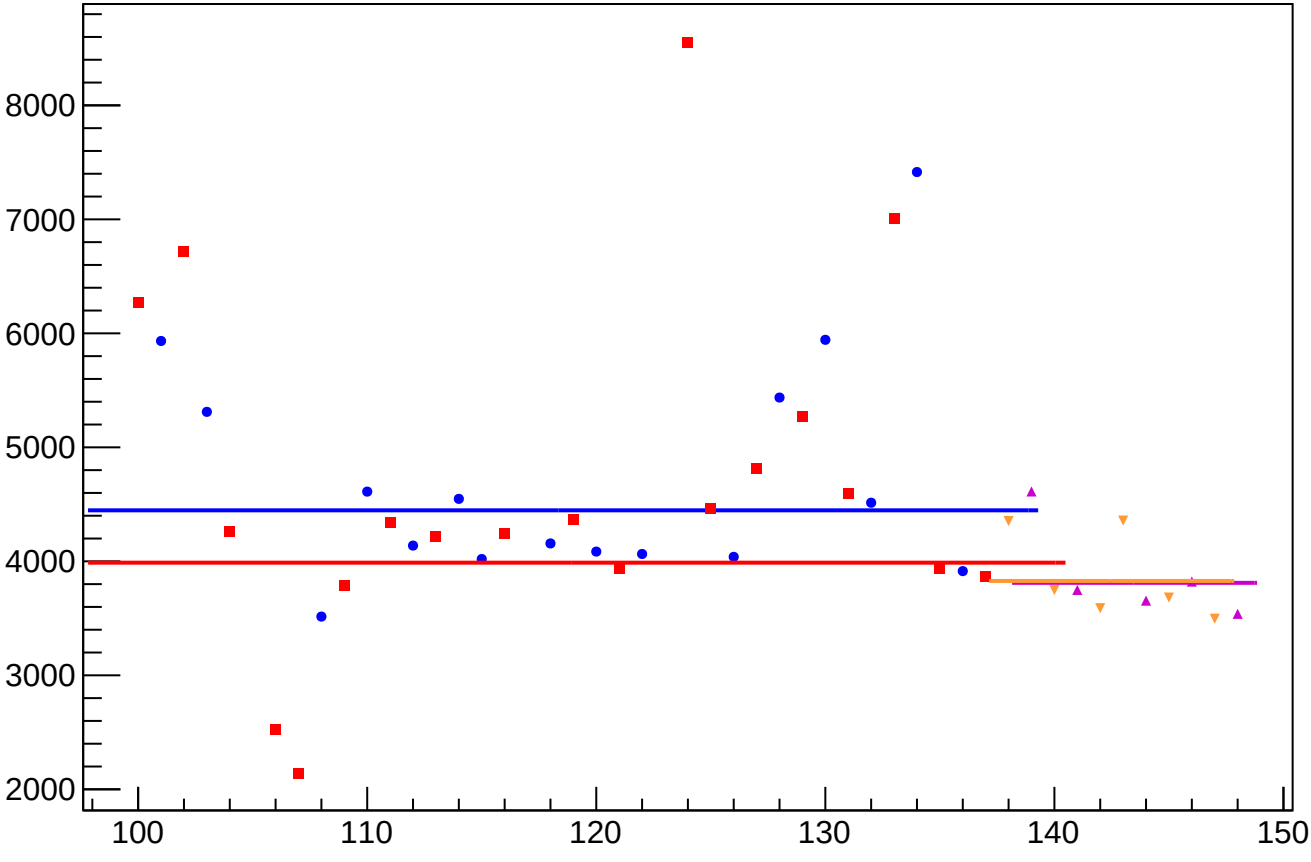
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1231.719+/-1240.280 χ^2/NDF:21.3/20

Out: 1290.549+/-1176.808 χ^2/NDF:19.6/24

All: 95.603+/-853.686 χ^2/NDF: 43.1/45

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3827.904+/-1.282 χ^2/NDF:68447.2/5

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3811.353+/-1.296 χ^2/NDF:64708.0/4

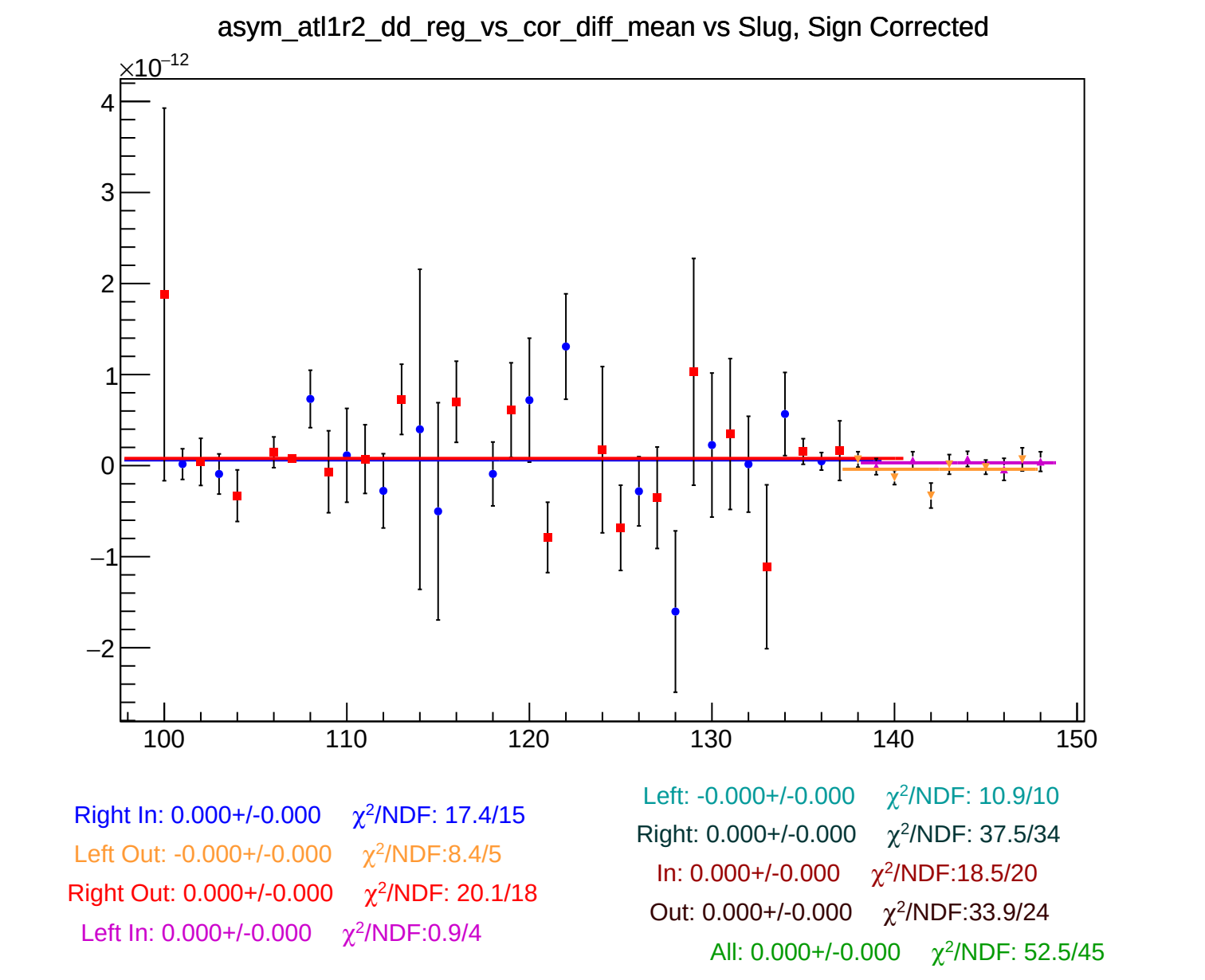
Left: 3819.716+/-0.911 χ^2/NDF: 133237.6/10

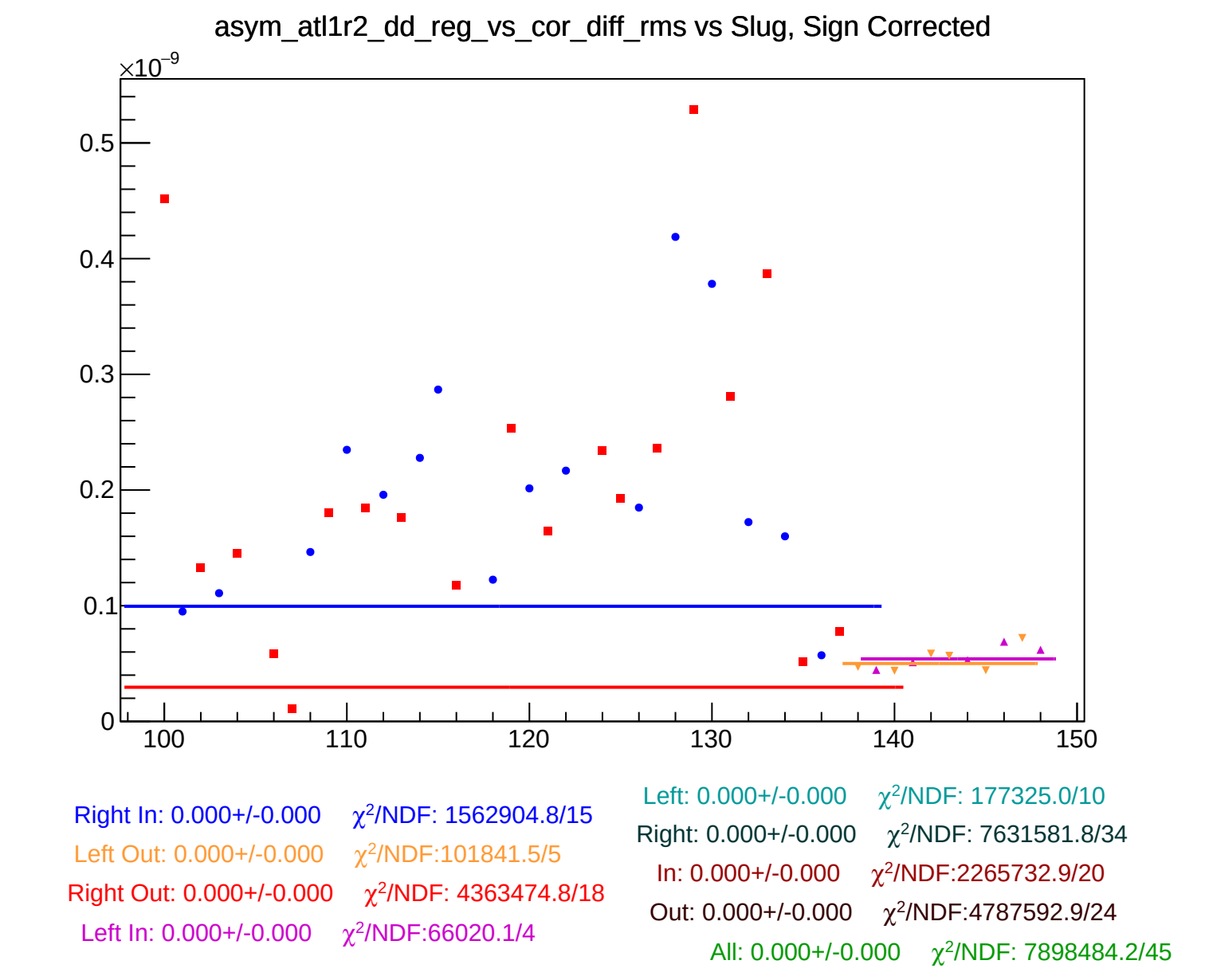
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4156.065+/-0.877 χ^2/NDF:653538.8/20

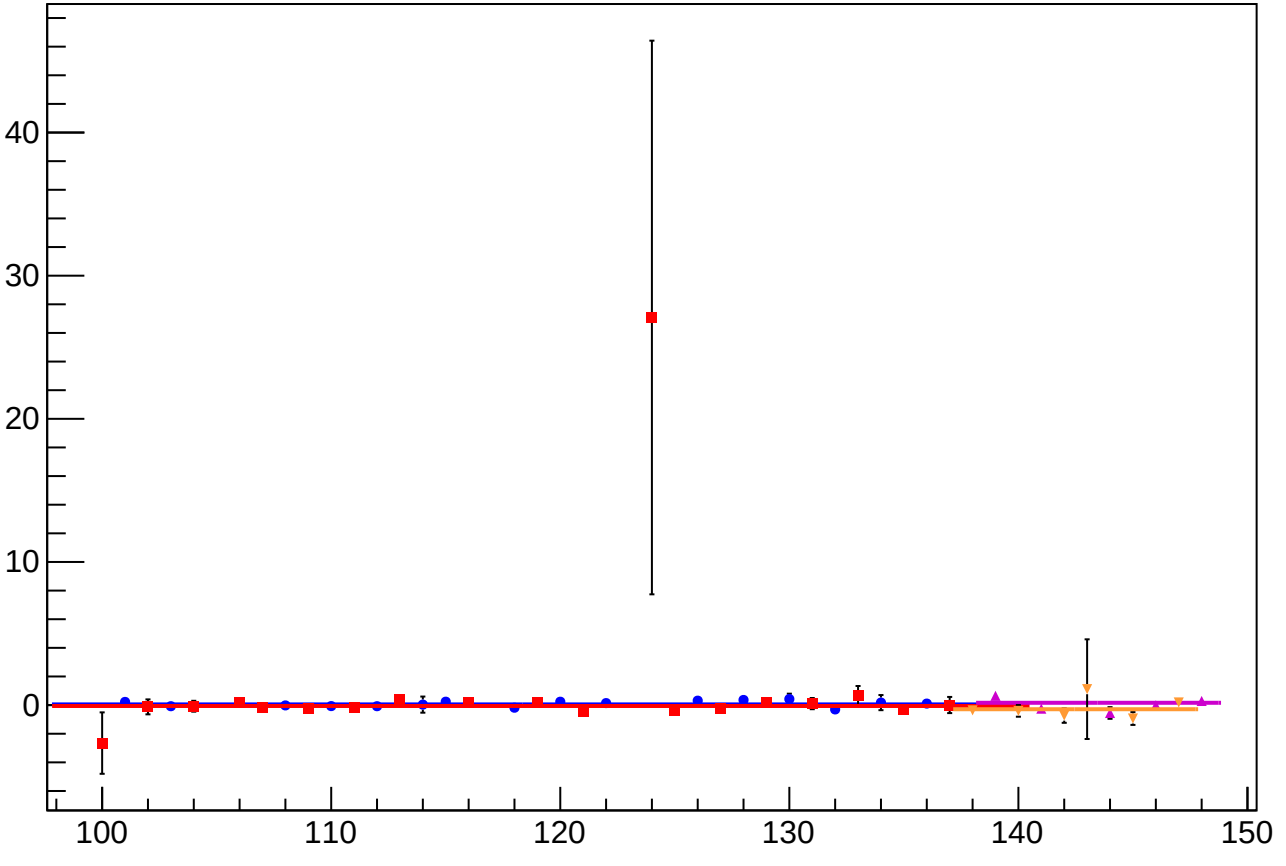
Out: 3921.482+/-0.827 χ^2/NDF:1221507.8/24

All: 4031.940+/-0.602 χ^2/NDF: 1912903.5/45


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:8.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.9/4
Left: -0.000+/-0.000 χ²/NDF: 10.9/10
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:18.5/20
Out: 0.000+/-0.000 χ²/NDF:33.9/24
All: 0.000+/-0.000 χ²/NDF: 52.5/45


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1562904.8/15
Left Out: 0.000+/-0.000 χ²/NDF:101841.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 4363474.8/18
Left In: 0.000+/-0.000 χ²/NDF:66020.1/4
Left: 0.000+/-0.000 χ²/NDF: 177325.0/10
Right: 0.000+/-0.000 χ²/NDF: 7631581.8/34
In: 0.000+/-0.000 χ²/NDF:2265732.9/20
Out: 0.000+/-0.000 χ²/NDF:4787592.9/24
All: 0.000+/-0.000 χ²/NDF: 7898484.2/45

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.162+/-0.132 χ^2/NDF:9.3/4

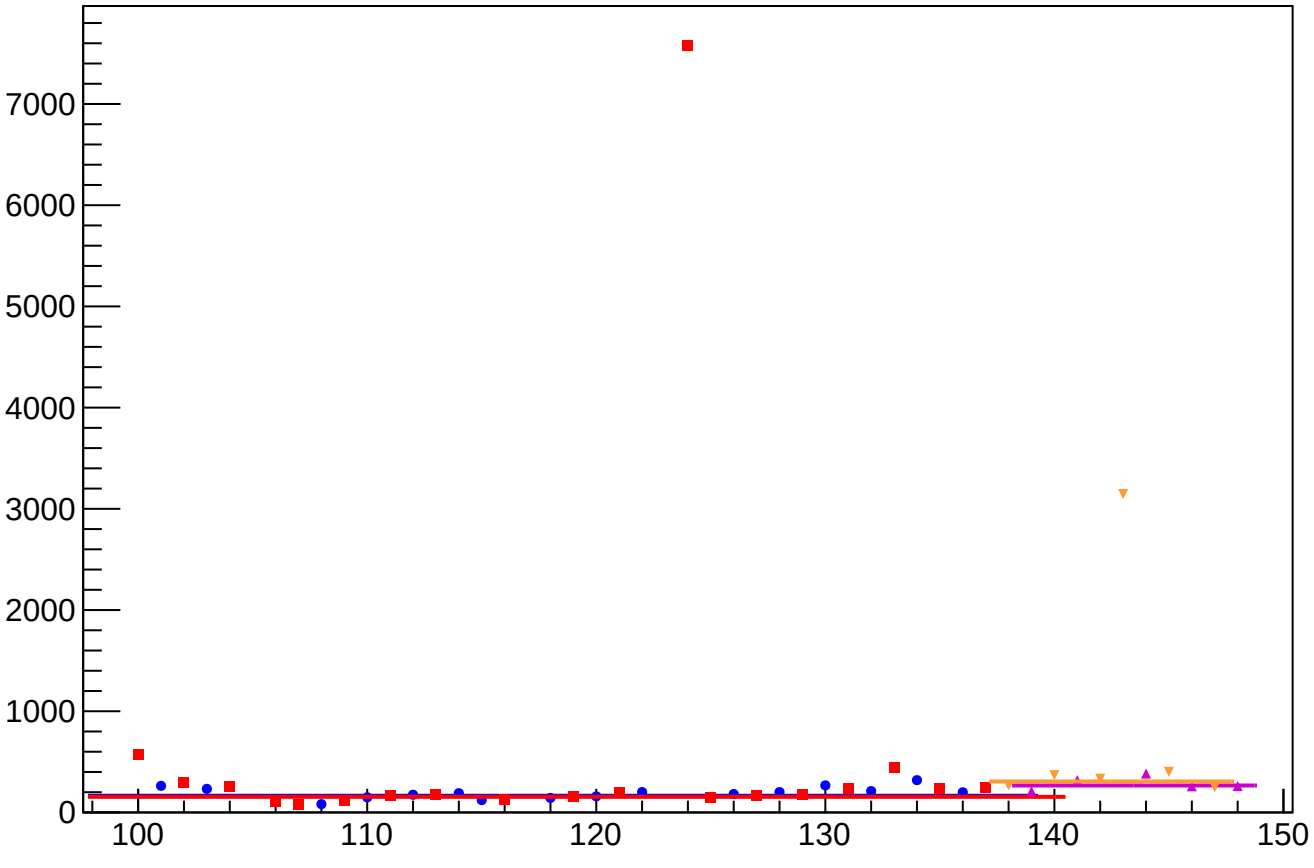
Left: -0.019+/-0.102 χ^2/NDF: 20.1/10

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.010+/-0.042 χ^2/NDF: 47.5/45



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 306.250+/-0.114 χ^2/NDF:1594568.4/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

Left: 282.449+/-0.072 χ^2/NDF: 1999038.0/10

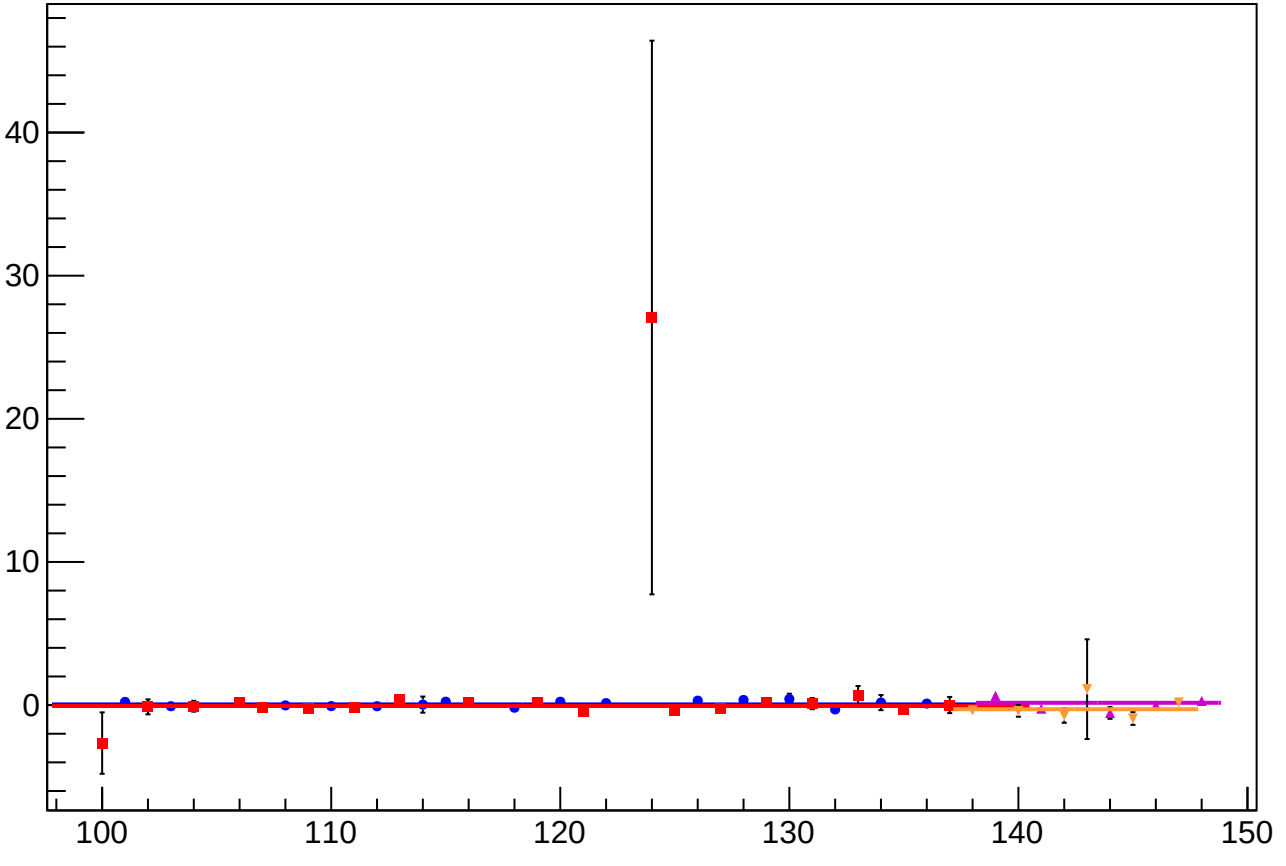
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 185.389+/-0.042 χ^2/NDF:2751013.3/20

Out: 175.410+/-0.042 χ^2/NDF:5055266.0/24

All: 180.438+/-0.030 χ^2/NDF: 7834357.9/45

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.162+/-0.132 χ^2/NDF:9.3/4

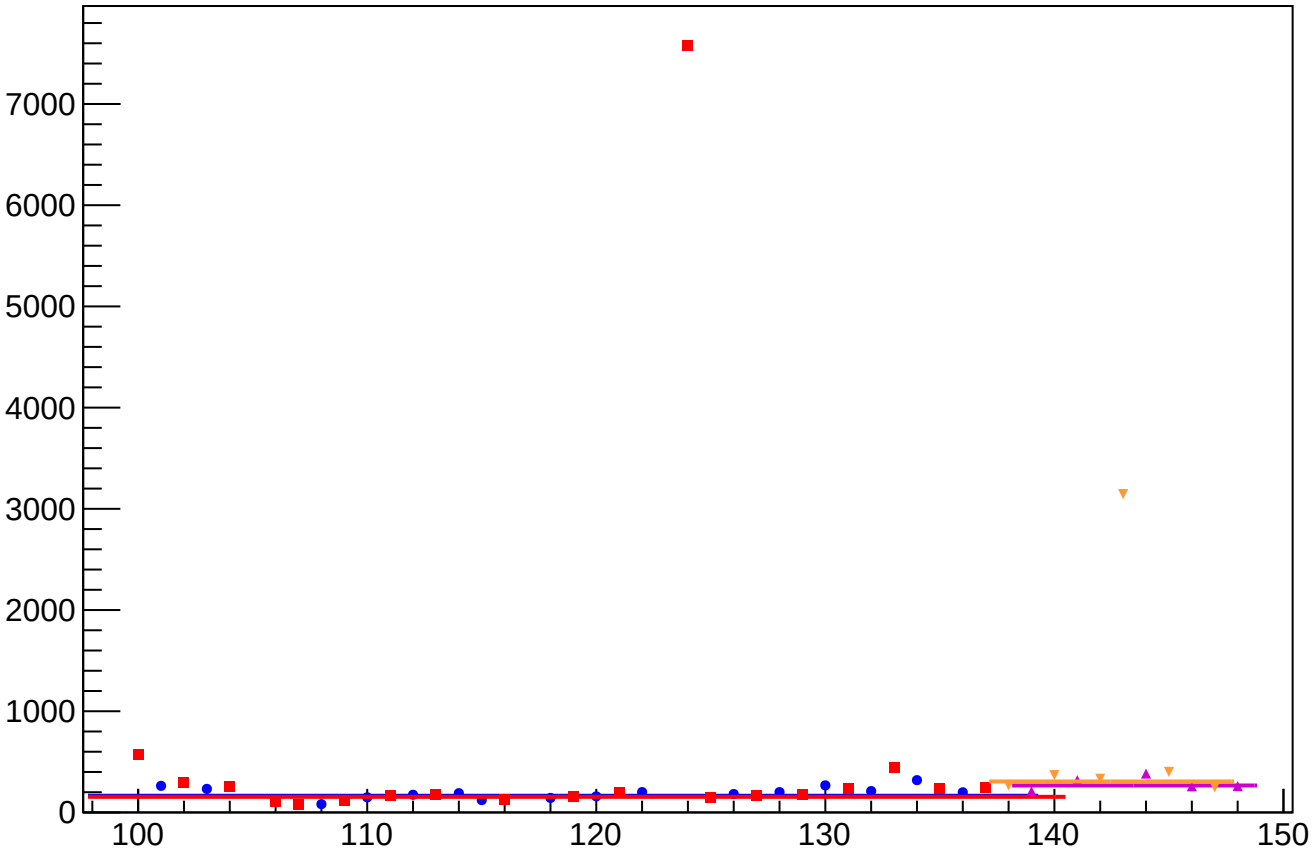
Left: -0.019+/-0.102 χ^2/NDF: 20.1/10

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.010+/-0.042 χ^2/NDF: 47.5/45



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 306.250+/-0.114 χ^2/NDF:1594568.4/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

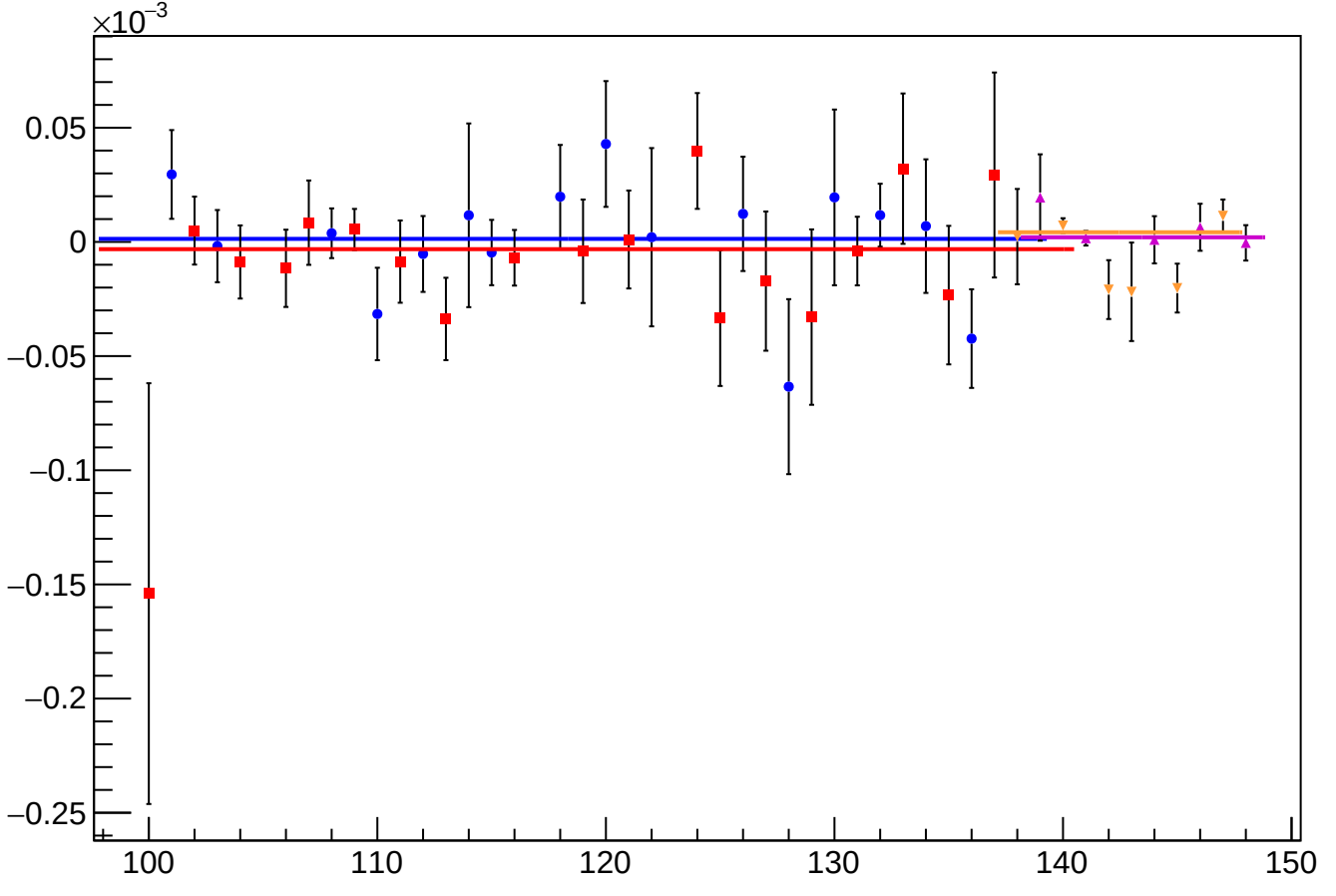
Left: 282.449+/-0.072 χ^2/NDF: 1999038.0/10

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 185.389+/-0.042 χ^2/NDF:2751013.3/20

Out: 175.410+/-0.042 χ^2/NDF:5055266.0/24

All: 180.438+/-0.030 χ^2/NDF: 7834357.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

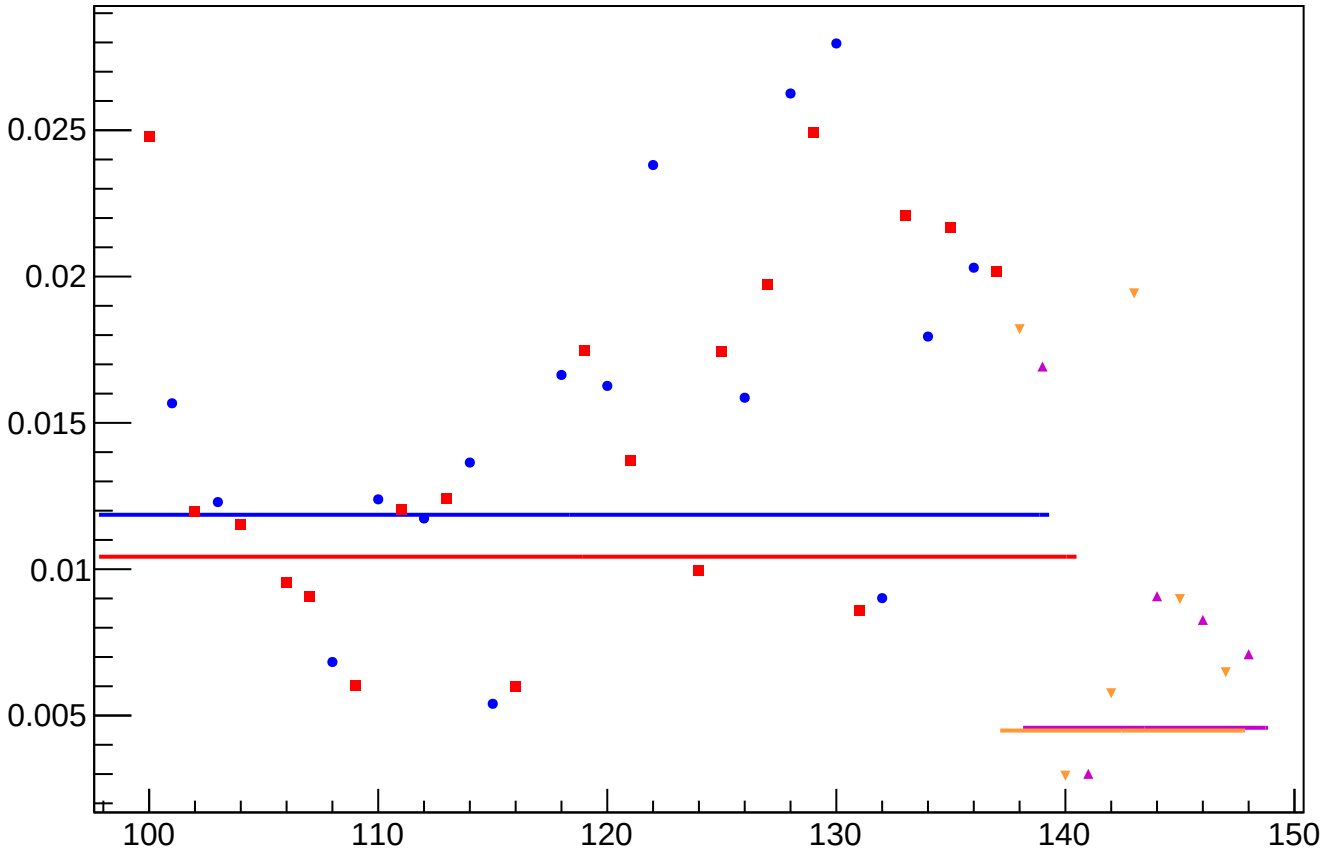
Left: 0.000+/-0.000 χ^2/NDF: 13.8/10

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.3/20

Out: 0.000+/-0.000 χ^2/NDF:29.1/24

All: 0.000+/-0.000 χ^2/NDF: 46.4/45



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2813472.0/5

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2178126.0/4

Left: 0.005+/-0.000 χ^2/NDF: 4992802.3/10

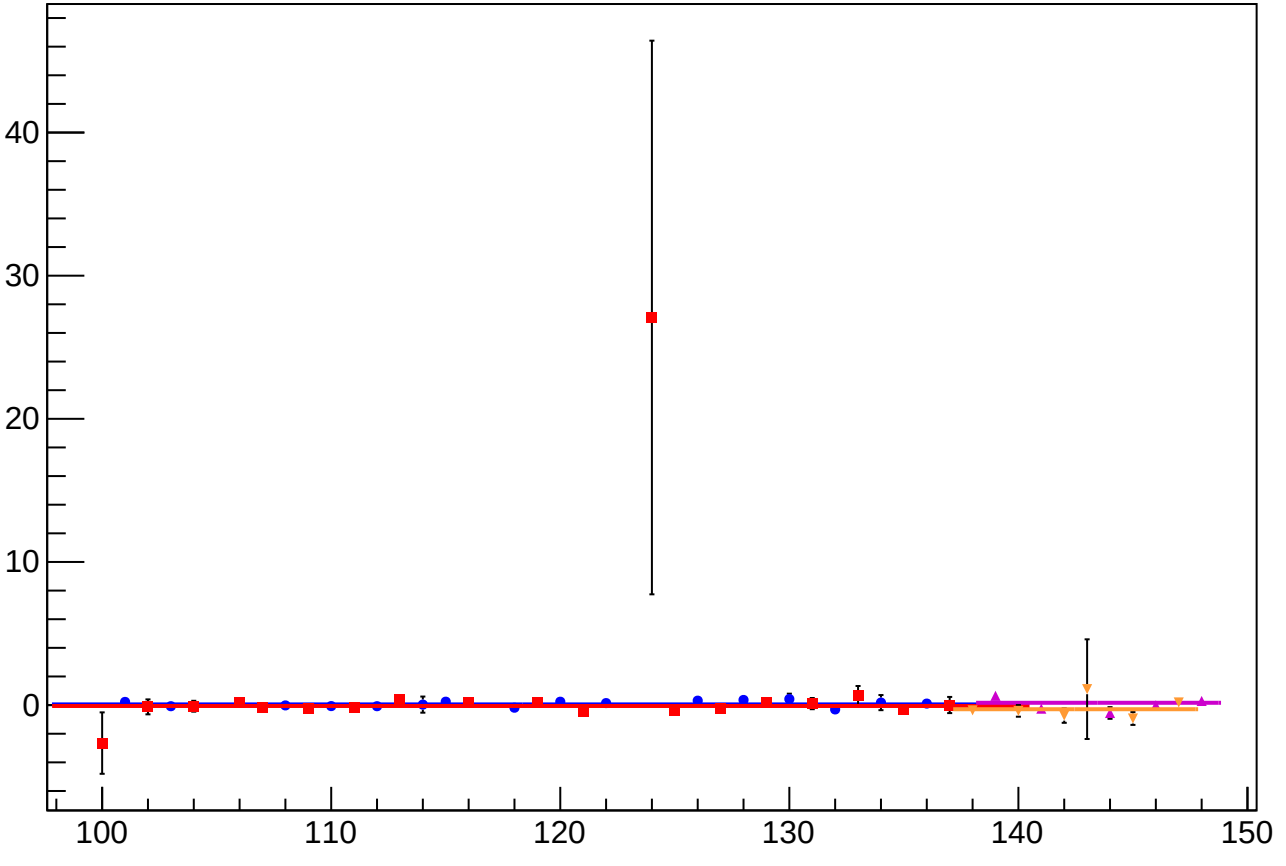
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:7989015.8/20

Out: 0.006+/-0.000 χ^2/NDF:7955174.6/24

All: 0.006+/-0.000 χ^2/NDF: 15945741.6/45

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.162+/-0.132 χ^2/NDF:9.3/4

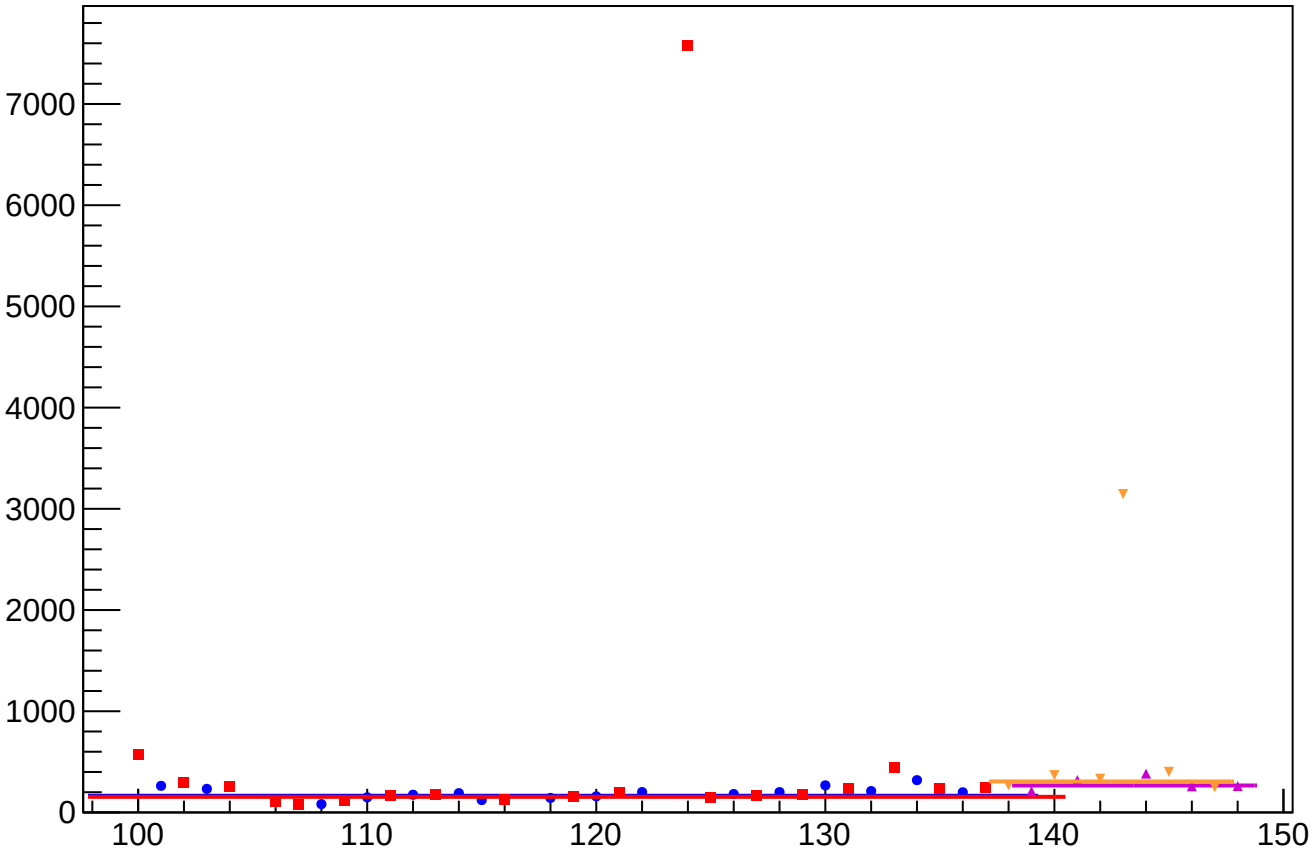
Left: -0.019+/-0.102 χ^2/NDF: 20.1/10

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.010+/-0.042 χ^2/NDF: 47.5/45



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 306.254+/-0.114 χ^2/NDF:1594550.7/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

Left: 282.453+/-0.072 χ^2/NDF: 1999006.2/10

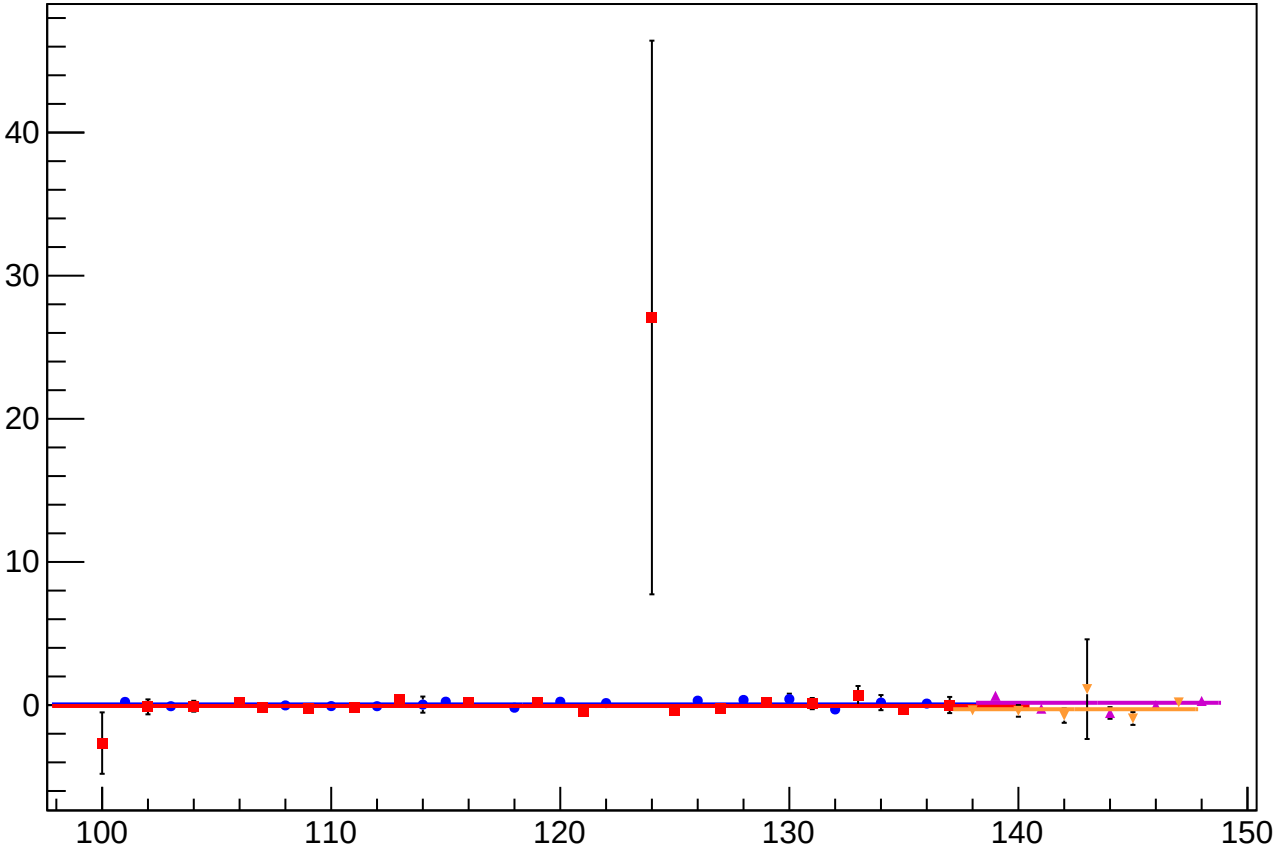
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 185.389+/-0.042 χ^2/NDF:2751026.4/20

Out: 175.410+/-0.042 χ^2/NDF:5055331.1/24

All: 180.438+/-0.030 χ^2/NDF: 7834437.1/45

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.162+/-0.132 χ^2/NDF:9.3/4

Left: -0.019+/-0.102 χ^2/NDF: 20.1/10

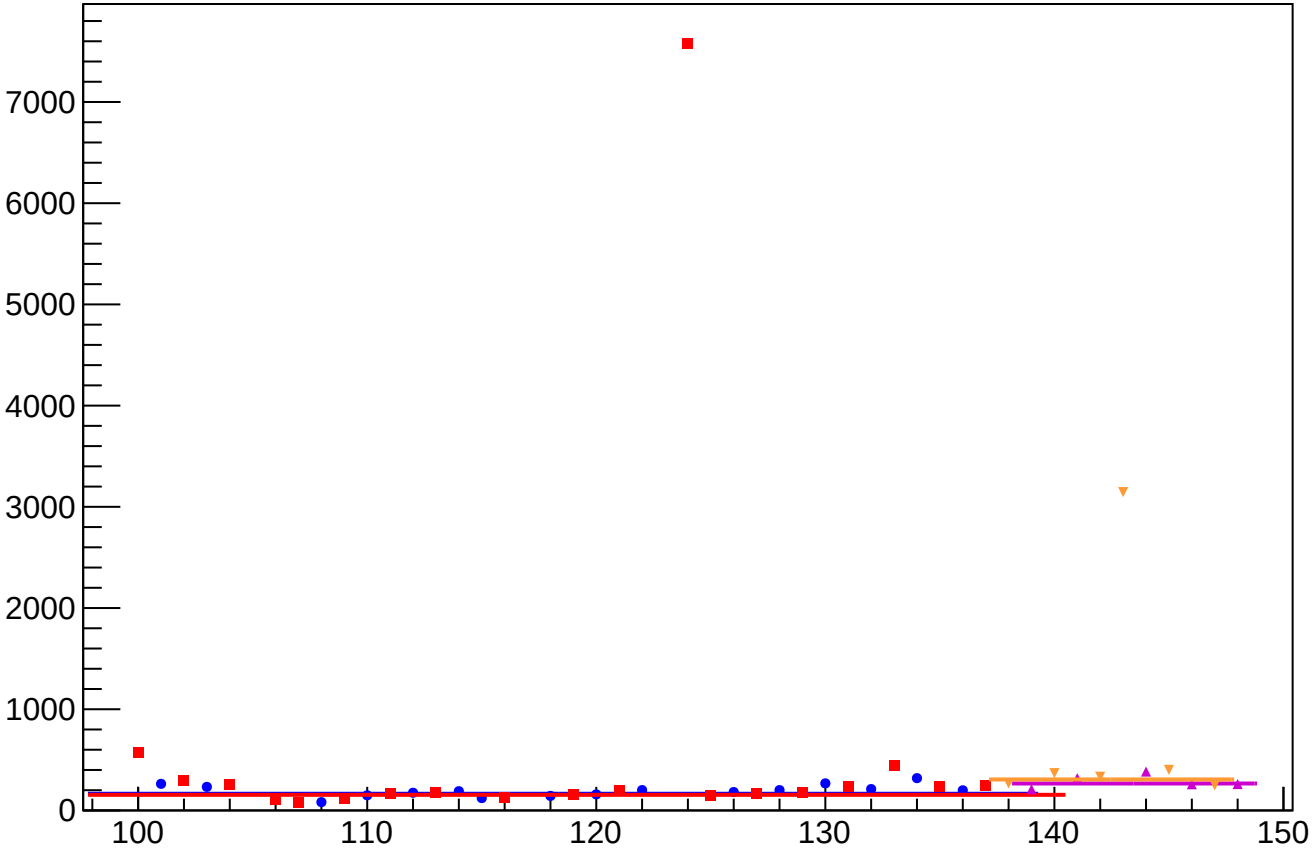
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.010+/-0.042 χ^2/NDF: 47.5/45

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: 306.254+/-0.114 χ^2/NDF:1594550.7/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

Left: 282.453+/-0.072 χ^2/NDF: 1999006.2/10

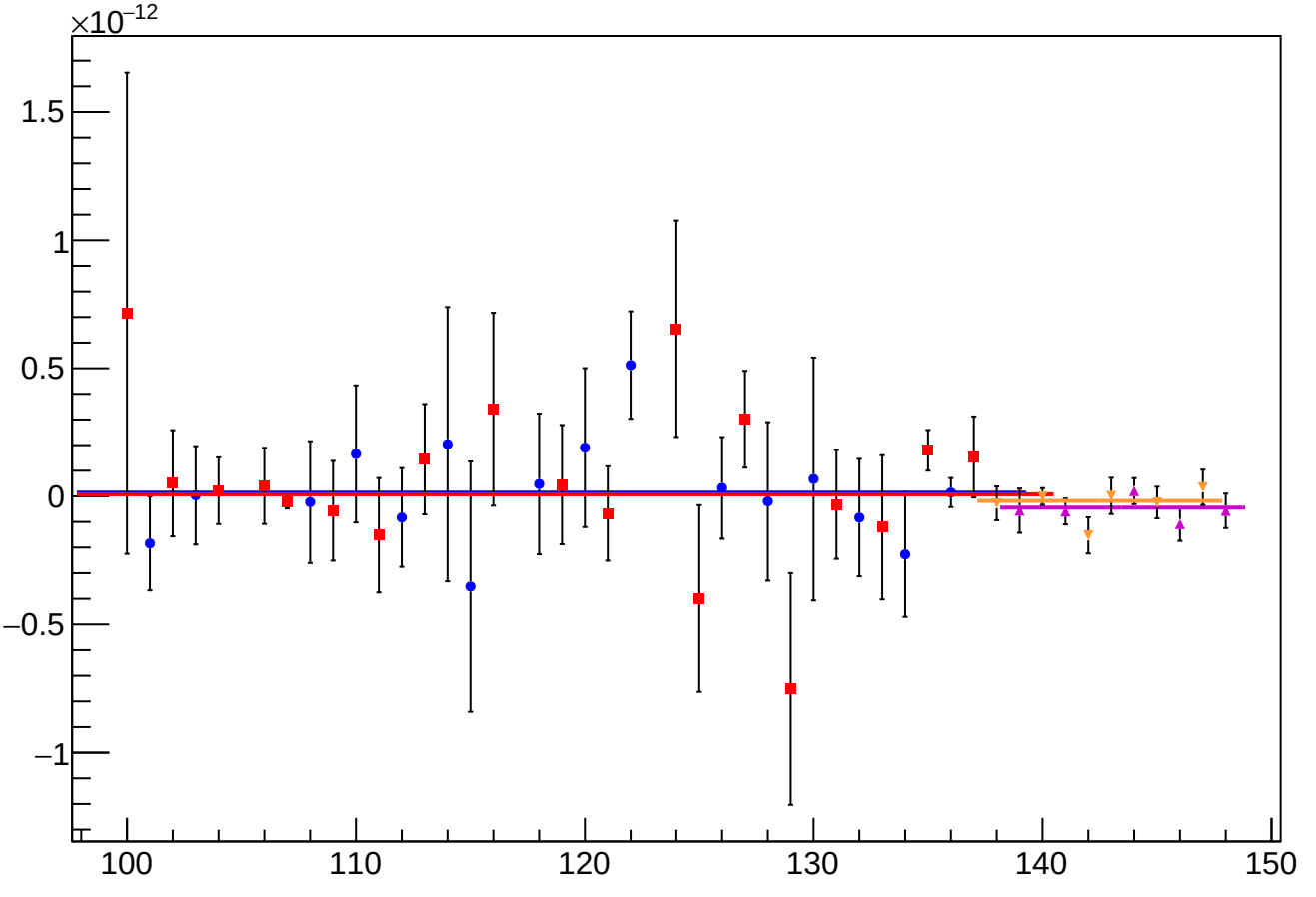
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 185.389+/-0.042 χ^2/NDF:2751026.4/20

Out: 175.410+/-0.042 χ^2/NDF:5055331.1/24

All: 180.438+/-0.030 χ^2/NDF: 7834437.1/45

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

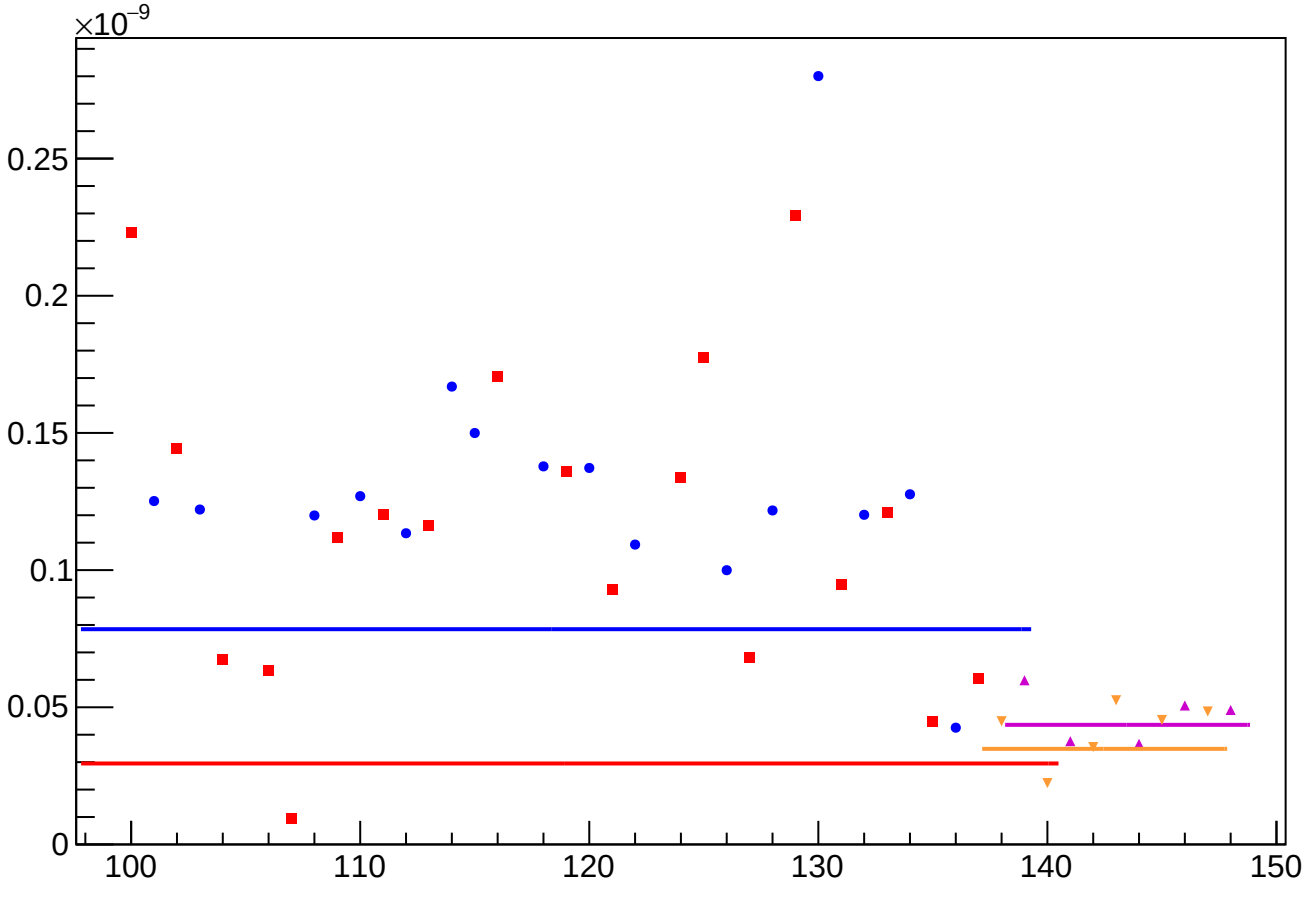
Left: -0.000+/-0.000 χ^2/NDF: 7.9/10

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:13.7/20

Out: -0.000+/-0.000 χ^2/NDF:23.6/24

All: -0.000+/-0.000 χ^2/NDF: 37.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:597144.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:171630.8/4

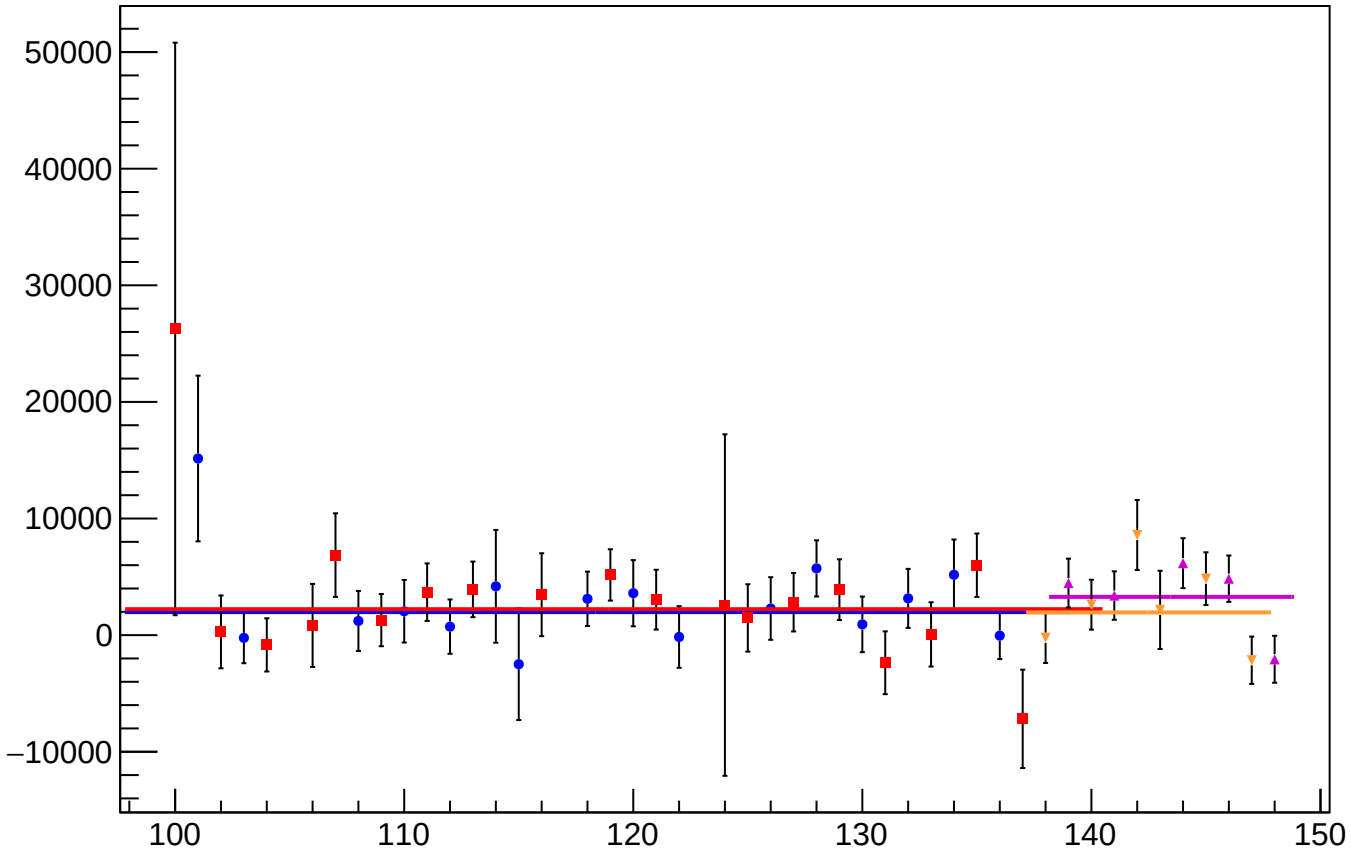
Left: 0.000+/-0.000 χ^2/NDF: 893704.7/10

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3235114.2/20

Out: 0.000+/-0.000 χ^2/NDF:6140335.1/24

All: 0.000+/-0.000 χ^2/NDF: 10559250.8/45



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.350+/-965.946 χ^2/NDF:11.7/5

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3281.514+/-921.230 χ^2/NDF:9.8/4

Left: 2647.456+/-666.656 χ^2/NDF: 22.6/10

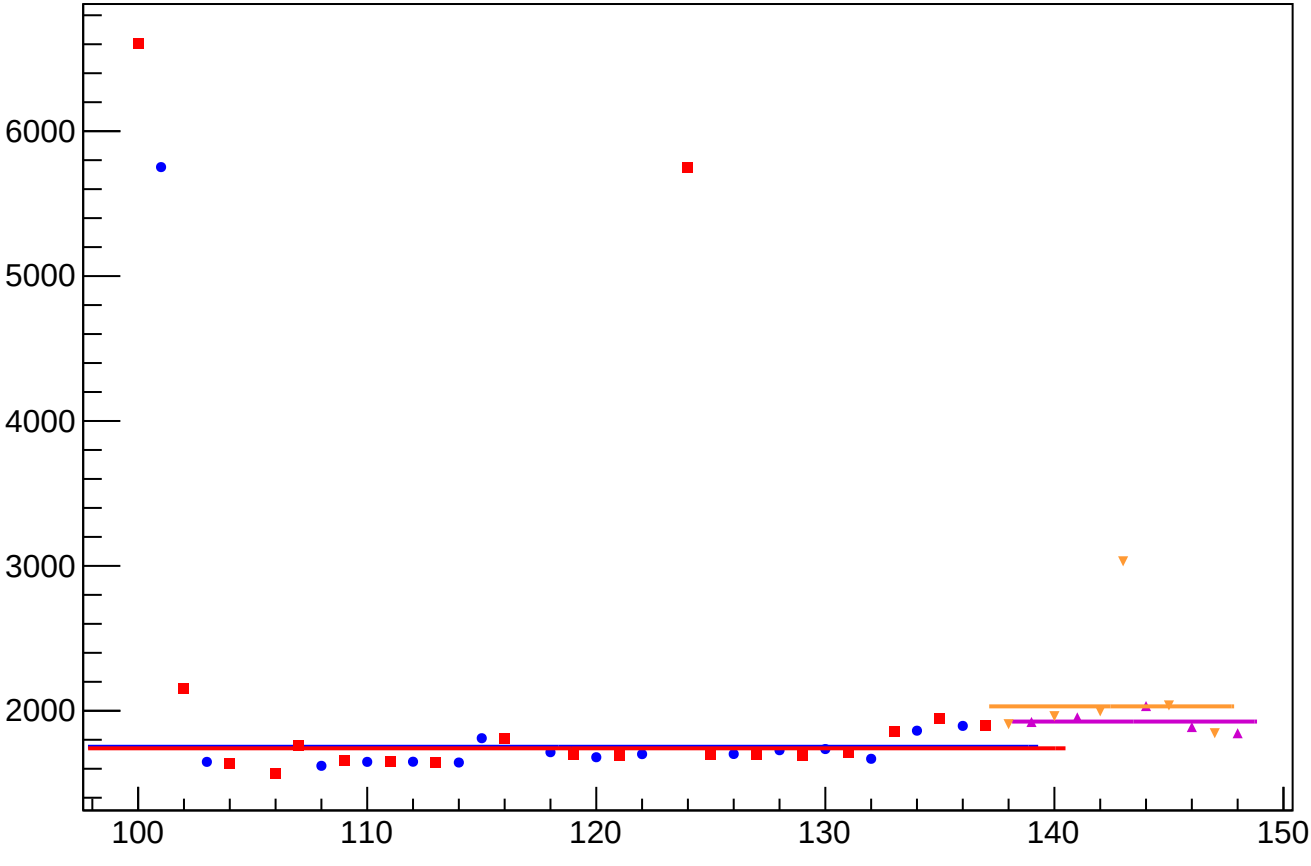
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2425.825+/-540.635 χ^2/NDF:23.3/20

Out: 2139.059+/-542.846 χ^2/NDF:30.8/24

All: 2283.027+/-383.066 χ^2/NDF: 54.2/45

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

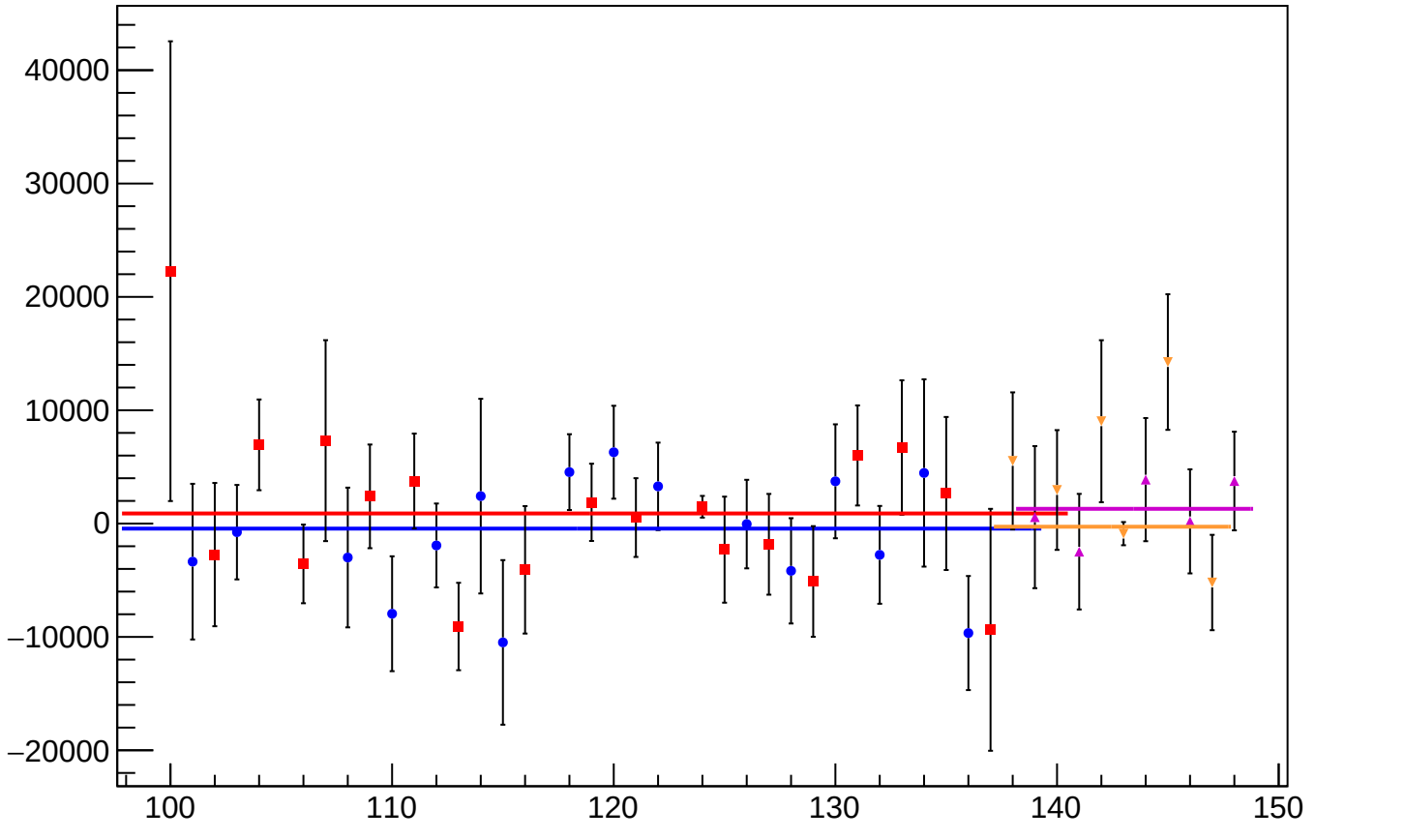
Left: 1975.564+/-0.471 χ^2/NDF: 225137.4/10

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1811.536+/-0.382 χ^2/NDF:726740.9/20

Out: 1831.541+/-0.382 χ^2/NDF:631560.2/24

All: 1821.548+/-0.270 χ^2/NDF: 1359671.6/45



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -277.111+/-943.281 χ^2/NDF:10.6/5

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1302.400+/-2247.006 χ^2/NDF:1.2/4

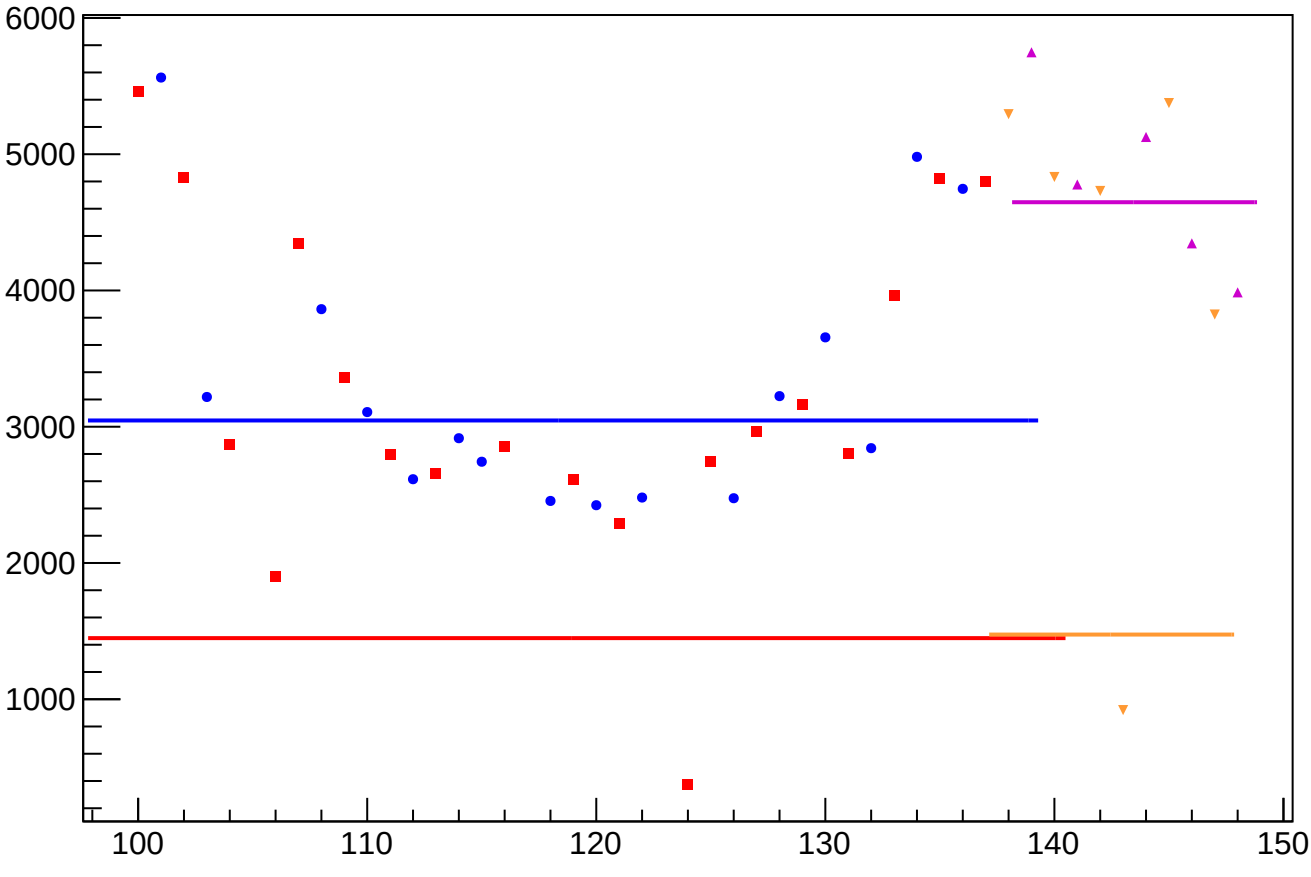
Left: -40.461+/-869.752 χ^2/NDF: 12.2/10

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -69.491+/-1040.849 χ^2/NDF:17.6/20

Out: 457.433+/-575.196 χ^2/NDF:31.7/24

All: 334.161+/-503.438 χ^2/NDF: 49.4/45



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1474.657+/-0.667 χ^2/NDF:4083112.9/5

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4647.707+/-1.589 χ^2/NDF:133352.6/4

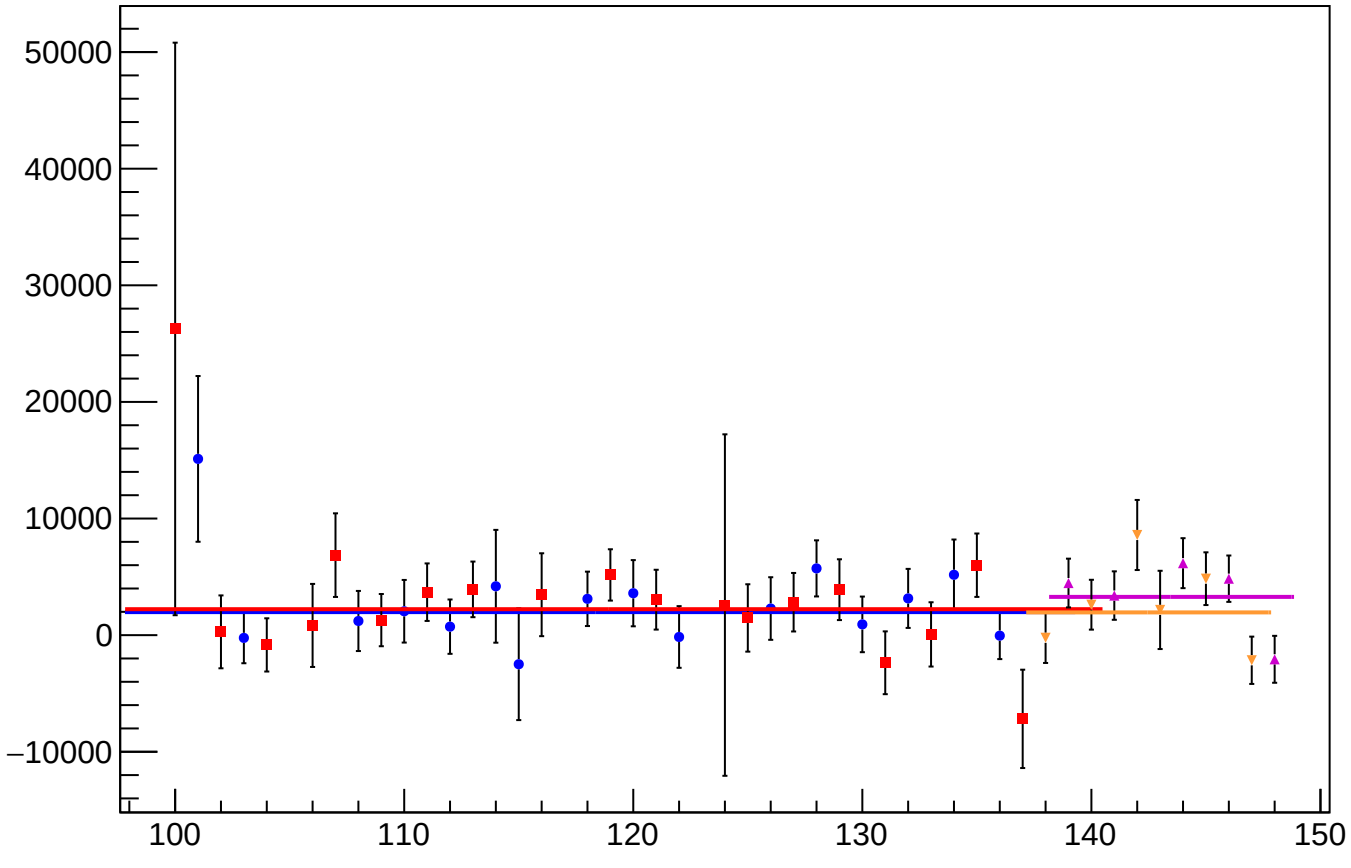
Left: 1950.058+/-0.615 χ^2/NDF: 7607122.6/10

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3389.612+/-0.736 χ^2/NDF:1838991.0/20

Out: 1458.238+/-0.407 χ^2/NDF:10871003.4/24

All: 1910.076+/-0.356 χ^2/NDF: 17985281.9/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.510+/-965.946 χ^2/NDF:11.7/5

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3281.625+/-921.230 χ^2/NDF:9.8/4

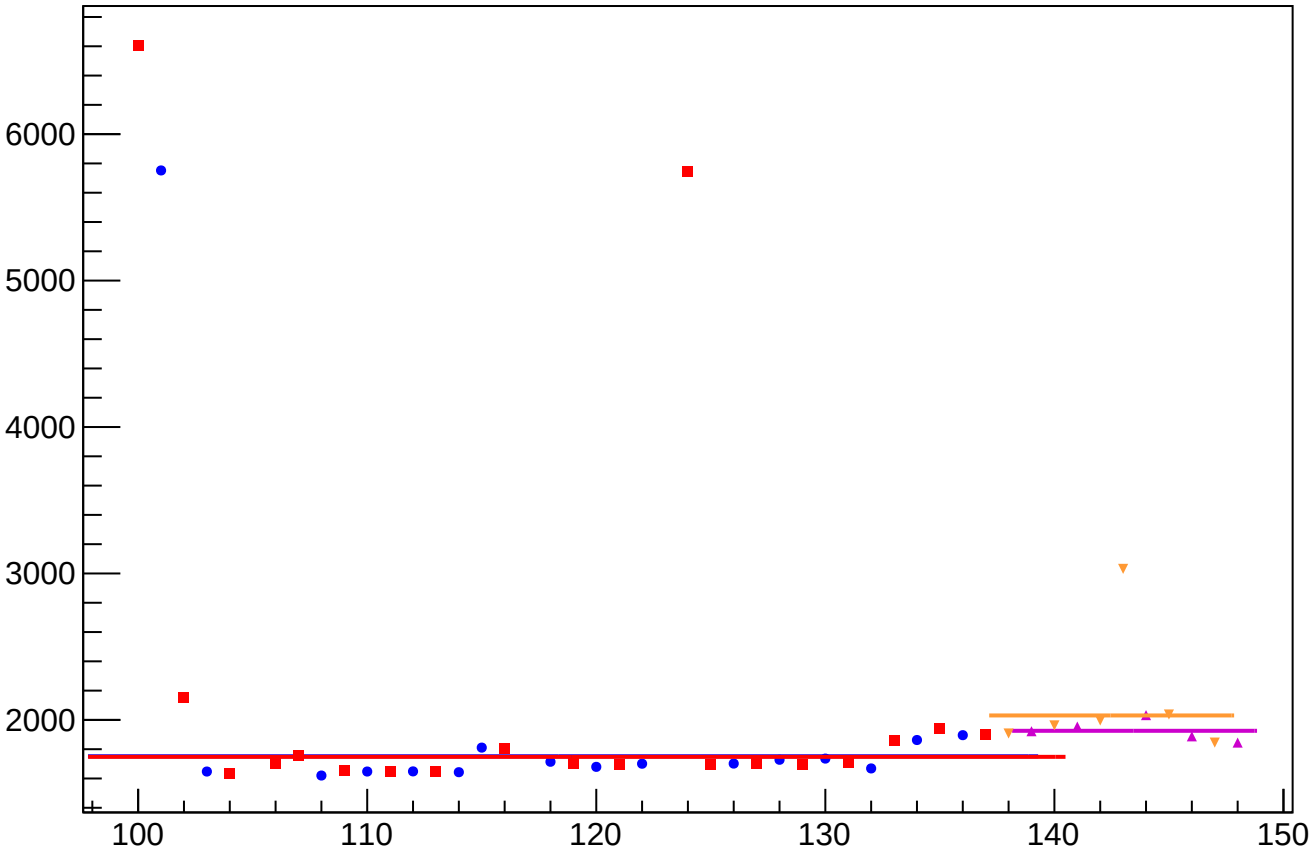
Left: 2647.590+/-666.656 χ^2/NDF: 22.6/10

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.632+/-540.635 χ^2/NDF:23.3/20

Out: 2139.176+/-542.846 χ^2/NDF:30.8/24

All: 2282.989+/-383.066 χ^2/NDF: 54.2/45



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

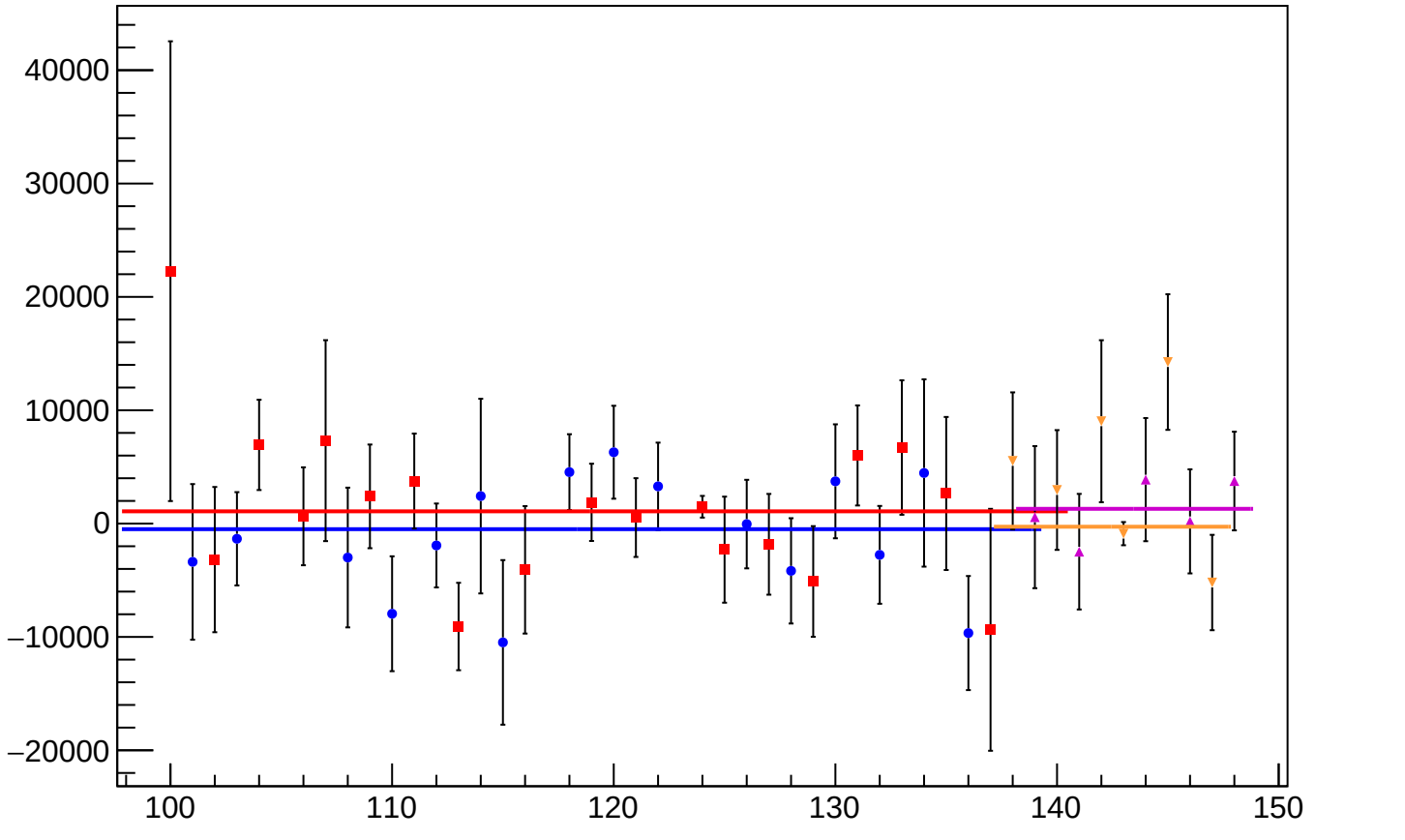
Left: 1975.564+/-0.471 χ^2/NDF: 225137.4/10

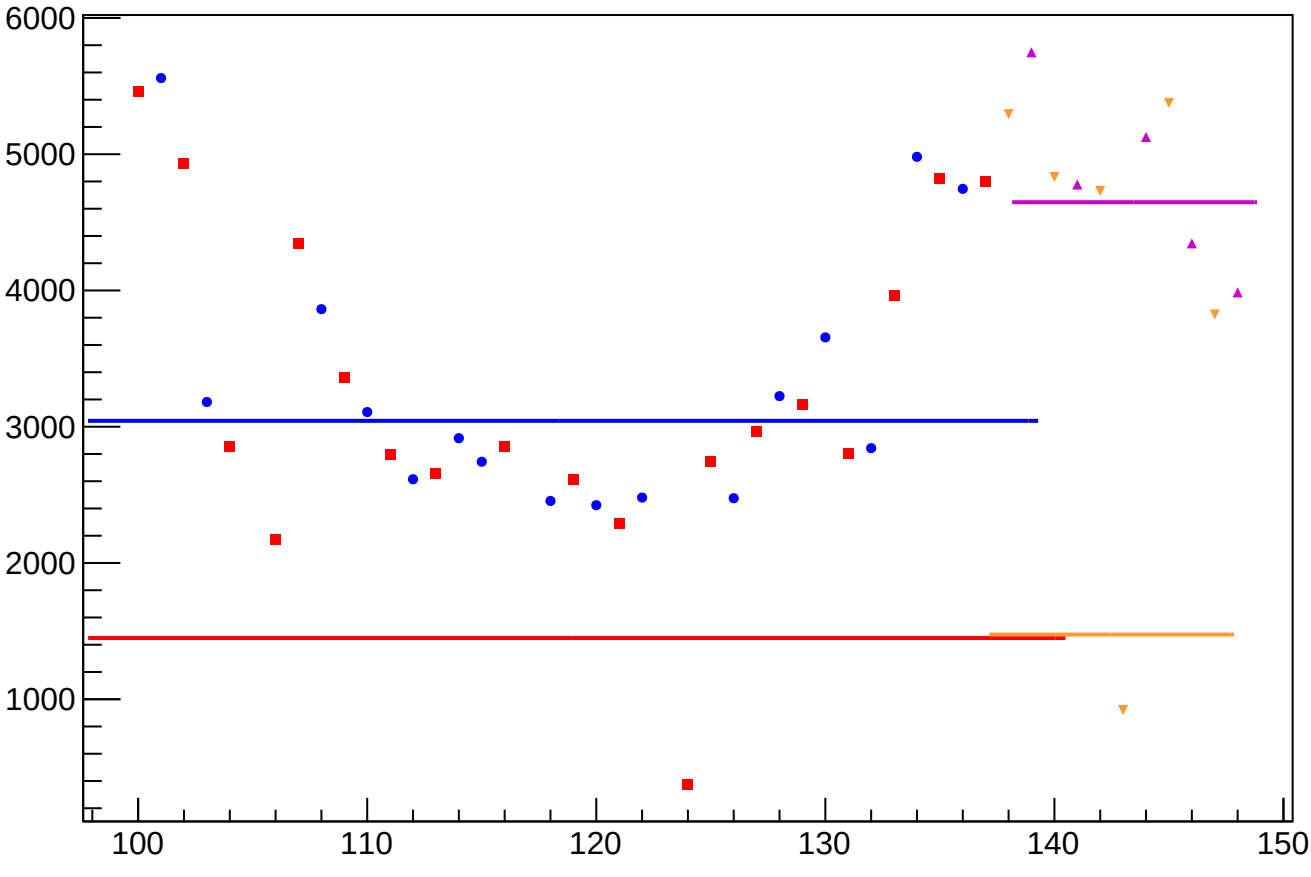
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1811.536+/-0.382 χ^2/NDF:726741.3/20

Out: 1836.611+/-0.383 χ^2/NDF:618878.6/24

All: 1824.054+/-0.271 χ^2/NDF: 1347767.9/45


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -492.916+/-1173.239 χ²/NDF: 16.0/15
Left Out: -276.884+/-943.249 χ²/NDF:10.6/5
Right Out: 1080.924+/-731.458 χ²/NDF: 18.5/18
Left In: 1302.327+/-2247.004 χ²/NDF:1.2/4
Left: -40.293+/-869.727 χ²/NDF: 12.2/10
Right: 640.409+/-620.707 χ²/NDF: 35.7/34
In: -108.335+/-1040.007 χ²/NDF:17.6/20
Out: 571.031+/-578.025 χ²/NDF:30.4/24
All: 410.701+/-505.234 χ²/NDF: 48.3/45



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1474.586+/-0.667 χ^2/NDF:4083241.0/5

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

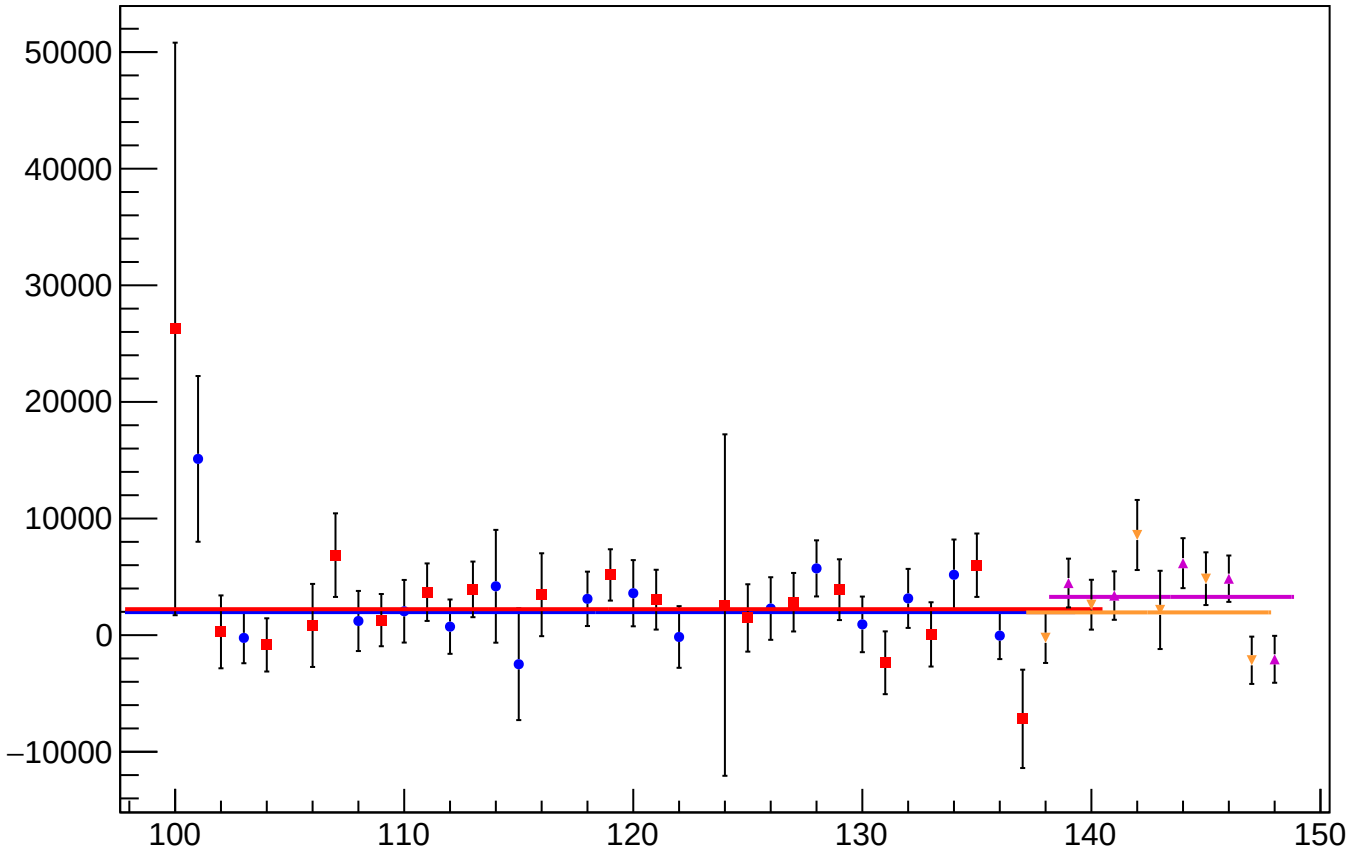
Left: 1949.969+/-0.615 χ^2/NDF: 7607435.3/10

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3386.975+/-0.735 χ^2/NDF:1840259.2/20

Out: 1458.930+/-0.409 χ^2/NDF:10909839.7/24

All: 1913.950+/-0.357 χ^2/NDF: 18001613.7/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.510+/-965.946 χ^2/NDF:11.7/5

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3281.625+/-921.230 χ^2/NDF:9.8/4

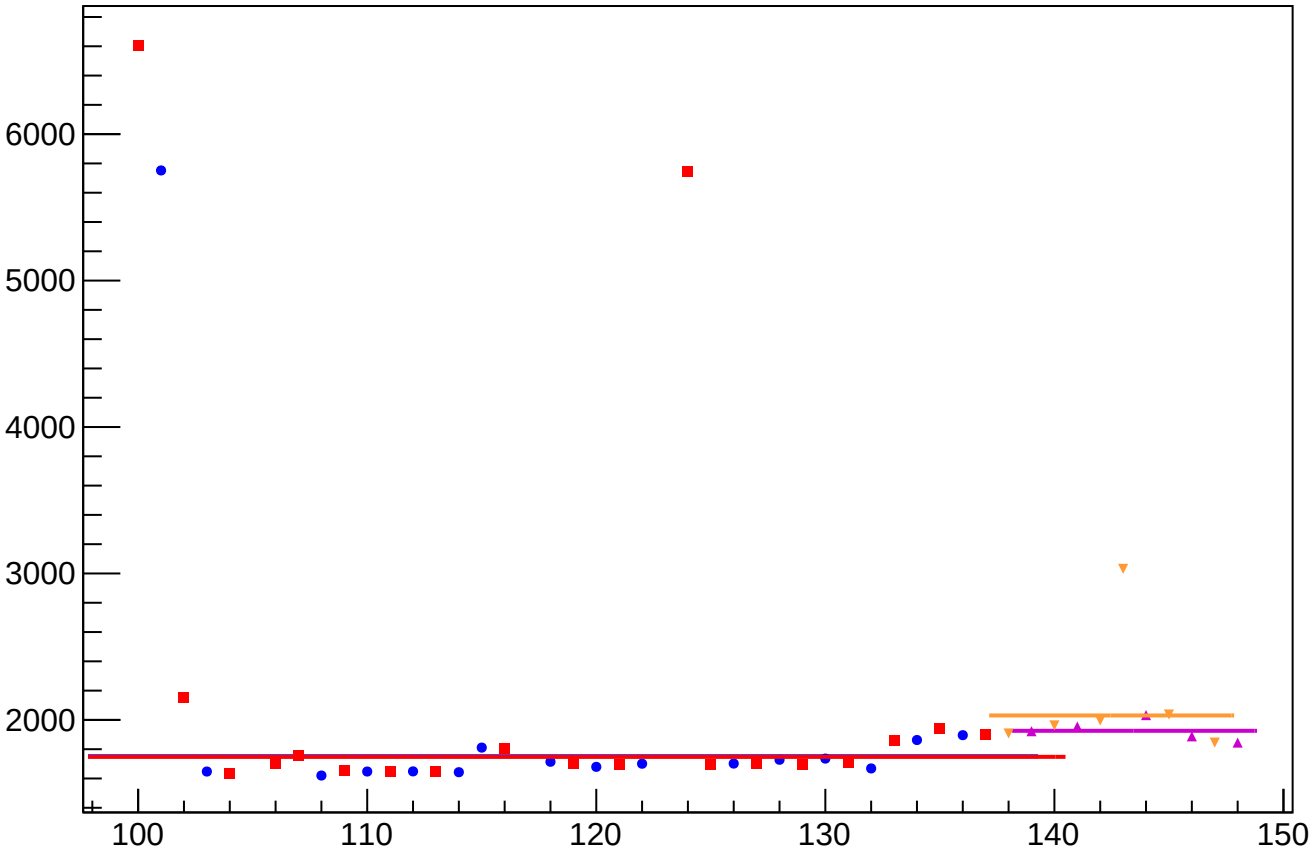
Left: 2647.590+/-666.656 χ^2/NDF: 22.6/10

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.632+/-540.635 χ^2/NDF:23.3/20

Out: 2139.176+/-542.846 χ^2/NDF:30.8/24

All: 2282.989+/-383.066 χ^2/NDF: 54.2/45



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

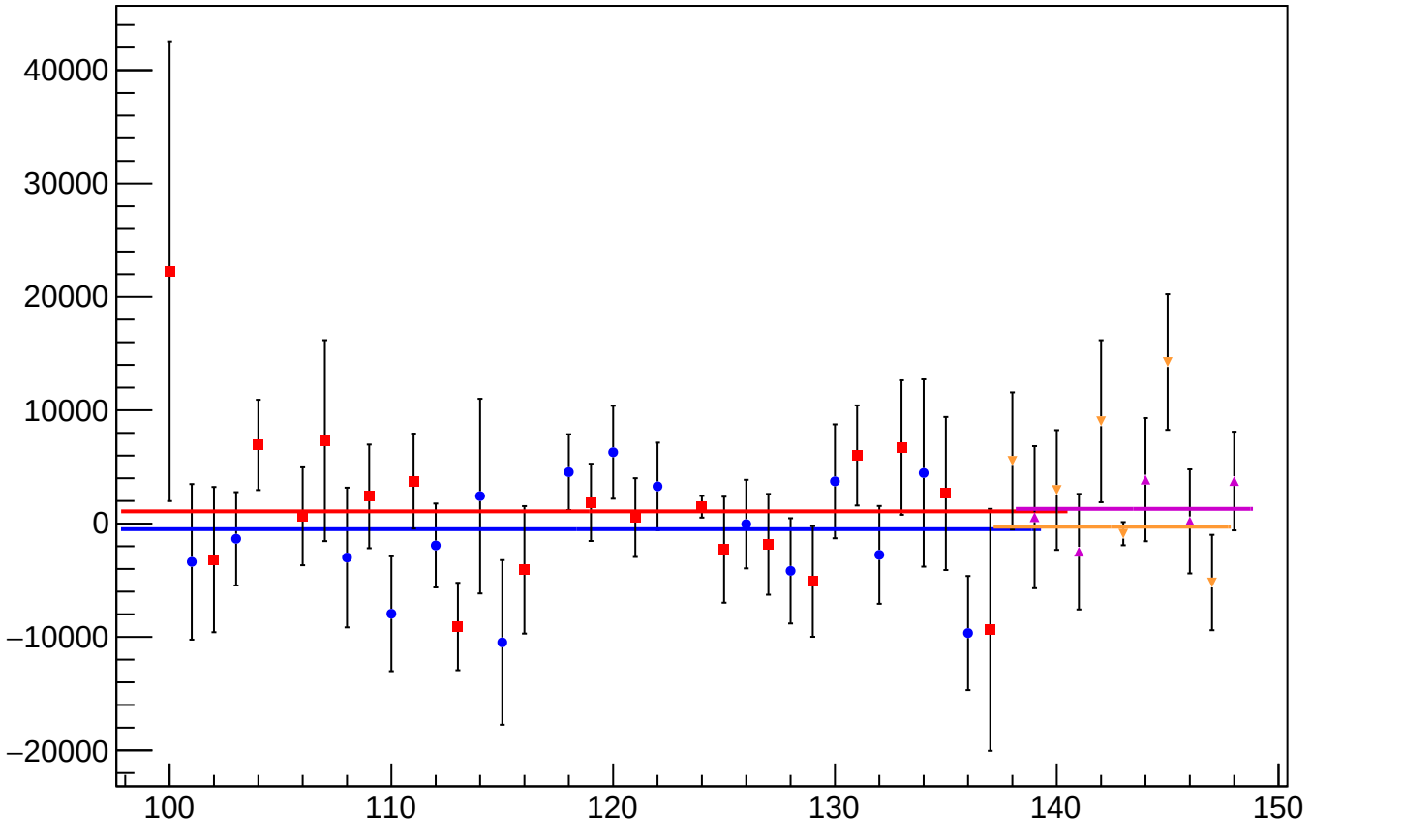
Left: 1975.564+/-0.471 χ^2/NDF: 225137.4/10

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1811.536+/-0.382 χ^2/NDF:726741.3/20

Out: 1836.611+/-0.383 χ^2/NDF:618878.6/24

All: 1824.054+/-0.271 χ^2/NDF: 1347767.9/45



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -276.884+/-943.249 χ^2/NDF:10.6/5

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1302.327+/-2247.004 χ^2/NDF:1.2/4

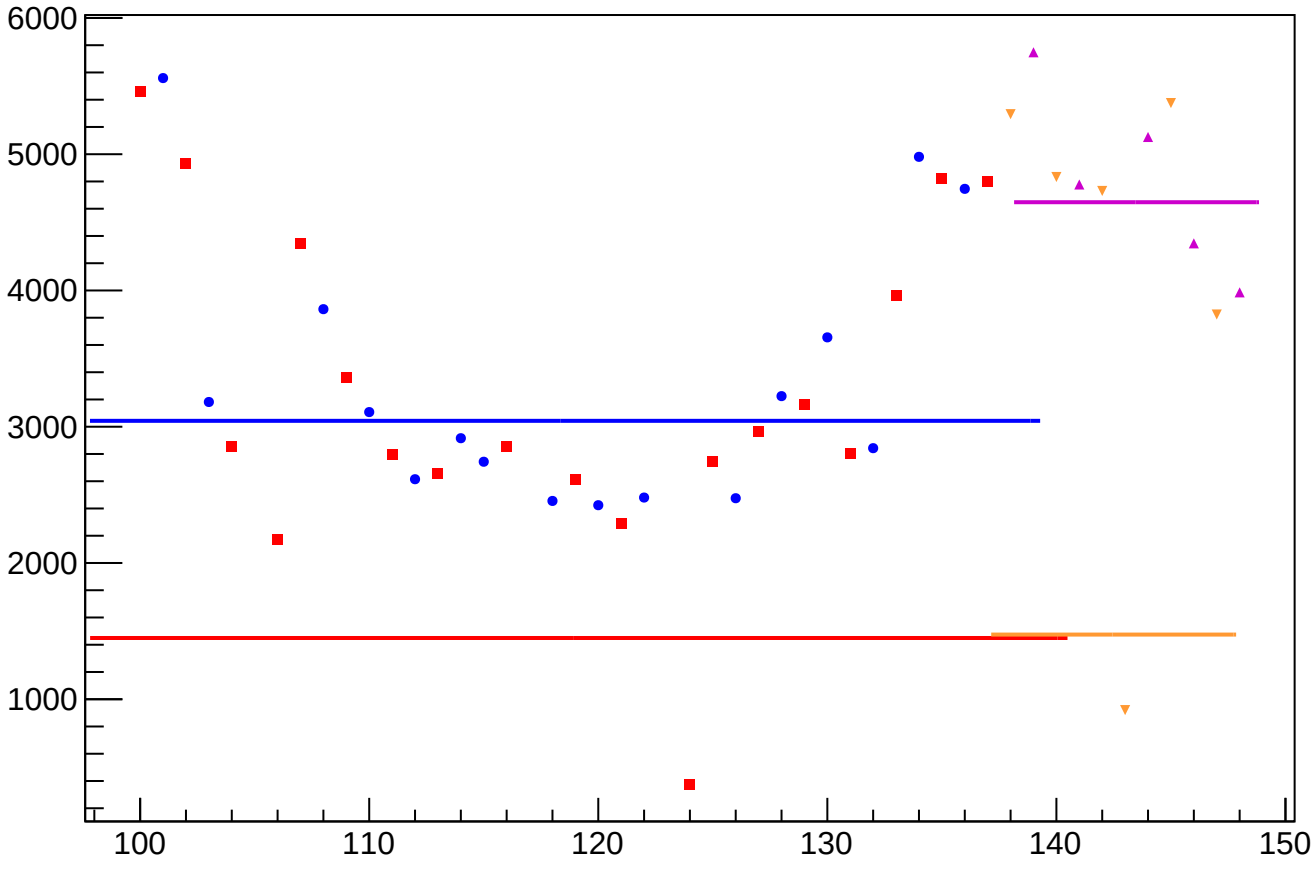
Left: -40.293+/-869.727 χ^2/NDF: 12.2/10

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -108.335+/-1040.007 χ^2/NDF:17.6/20

Out: 571.031+/-578.025 χ^2/NDF:30.4/24

All: 410.701+/-505.234 χ^2/NDF: 48.3/45



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1474.586+/-0.667 χ^2/NDF:4083241.0/5

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

Left: 1949.969+/-0.615 χ^2/NDF: 7607435.3/10

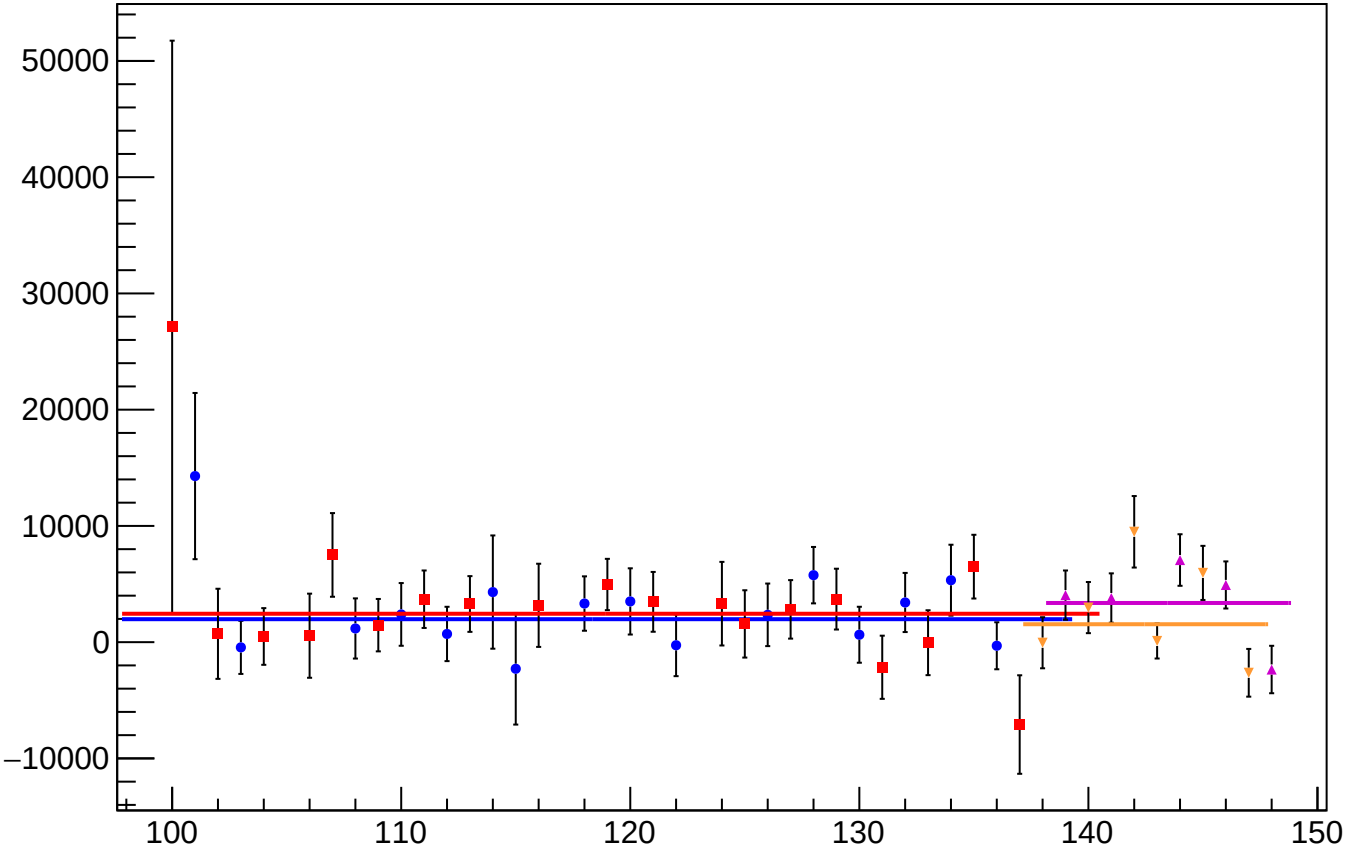
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3386.975+/-0.735 χ^2/NDF:1840259.2/20

Out: 1458.930+/-0.409 χ^2/NDF:10909839.7/24

All: 1913.950+/-0.357 χ^2/NDF: 18001613.7/4

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1542.663+/-851.380 χ^2/NDF:16.3/5

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3371.039+/-939.809 χ^2/NDF:11.4/4

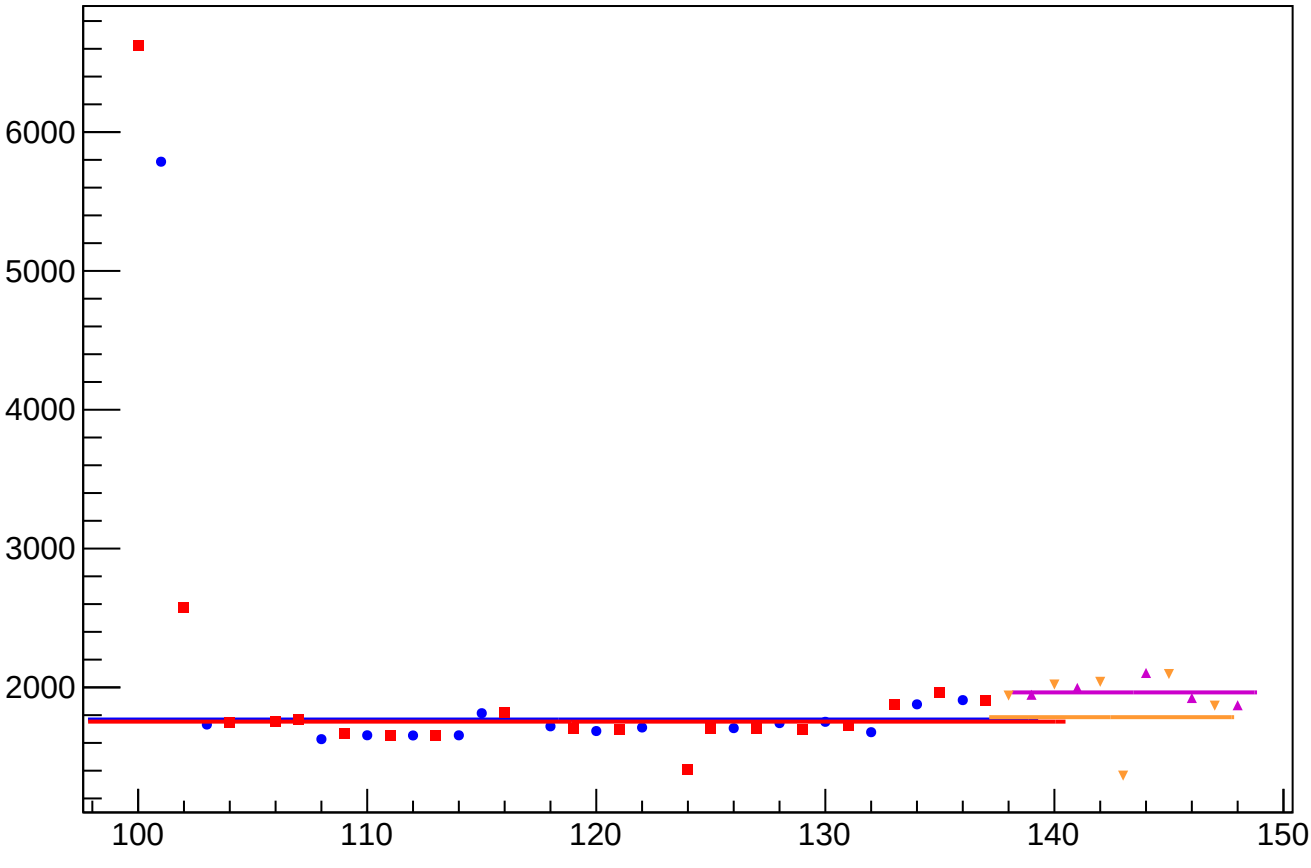
Left: 2366.805+/-630.969 χ^2/NDF: 29.7/10

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2449.763+/-547.755 χ^2/NDF:25.3/20

Out: 2107.273+/-520.474 χ^2/NDF:34.5/24

All: 2269.777+/-377.307 χ^2/NDF: 59.9/45



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1785.432+/-0.602 χ^2/NDF:241114.8/5

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1963.847+/-0.665 χ^2/NDF:13478.3/4

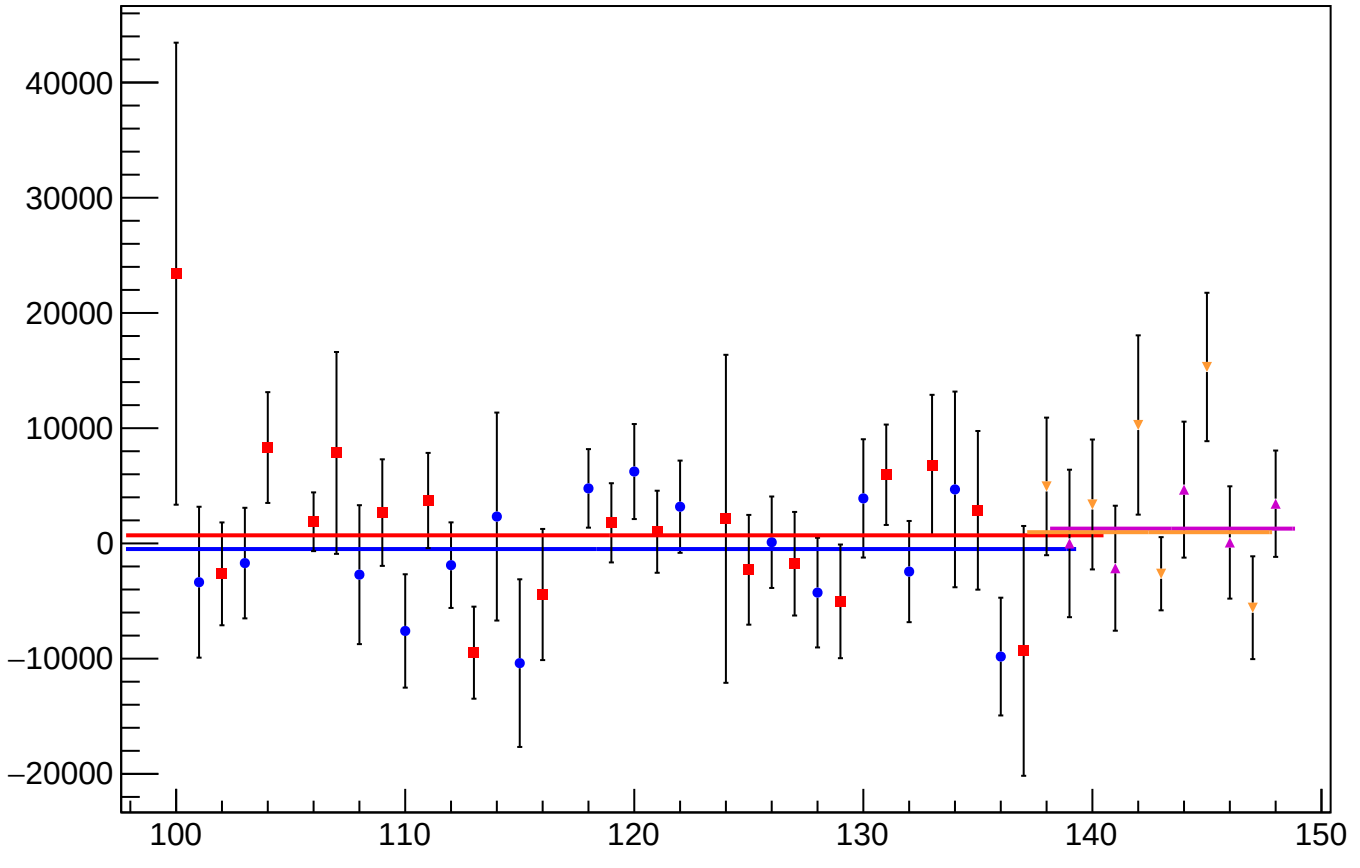
Left: 1865.853+/-0.446 χ^2/NDF: 294182.9/10

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1834.846+/-0.387 χ^2/NDF:737914.3/20

Out: 1765.321+/-0.367 χ^2/NDF:461757.7/24

All: 1798.251+/-0.267 χ^2/NDF: 1216631.9/45



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 974.773+/-2001.969 χ^2/NDF:10.5/5

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1283.541+/-2382.412 χ^2/NDF:1.1/4

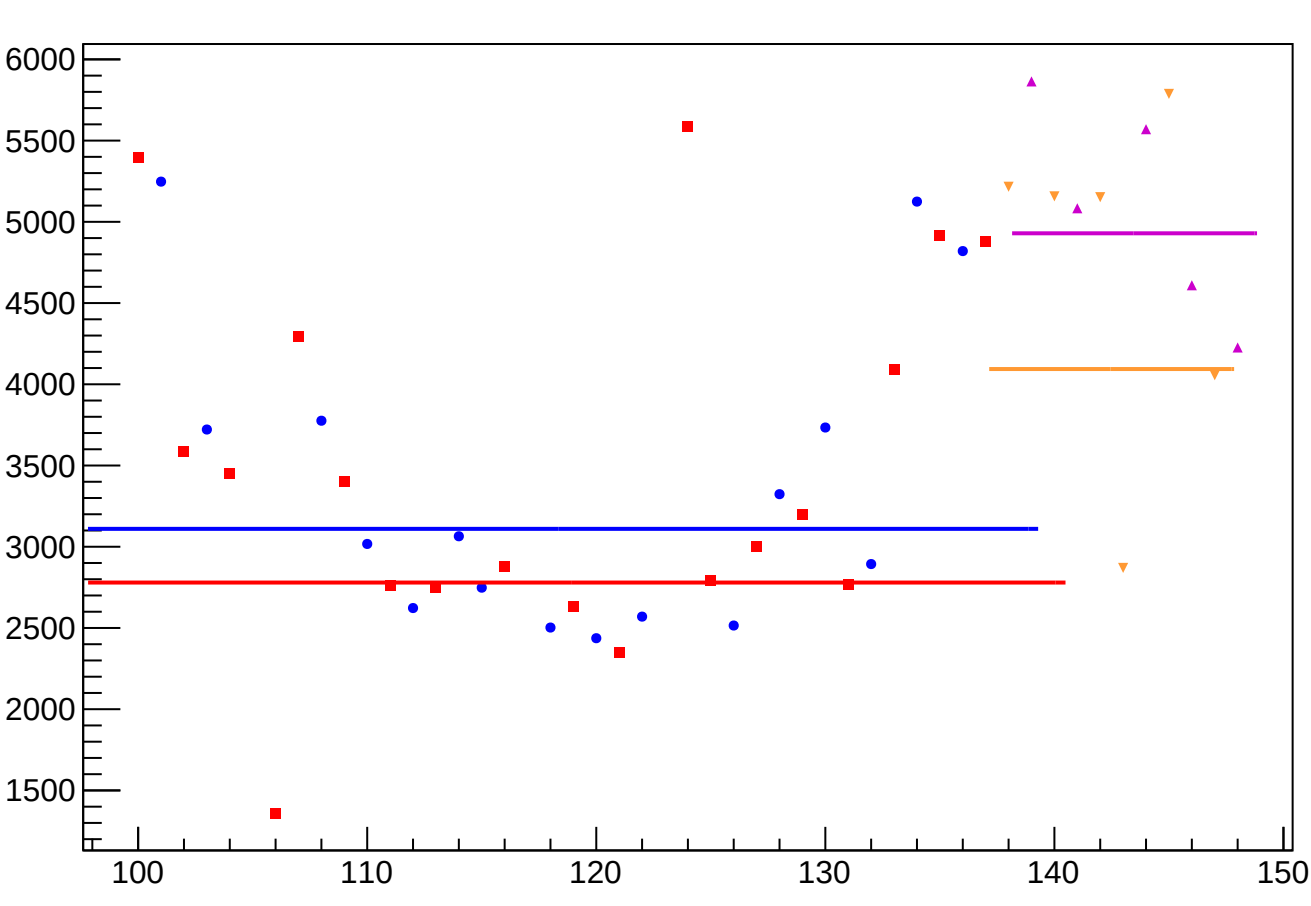
Left: 1102.565+/-1532.682 χ^2/NDF: 11.5/10

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -130.299+/-1070.661 χ^2/NDF:17.2/20

Out: 763.590+/-943.305 χ^2/NDF:29.3/24

All: 372.947+/-707.783 χ^2/NDF: 46.9/45



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4093.876+/-1.416 χ^2/NDF:614267.0/5

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 4929.391+/-1.685 χ^2/NDF:122895.6/4

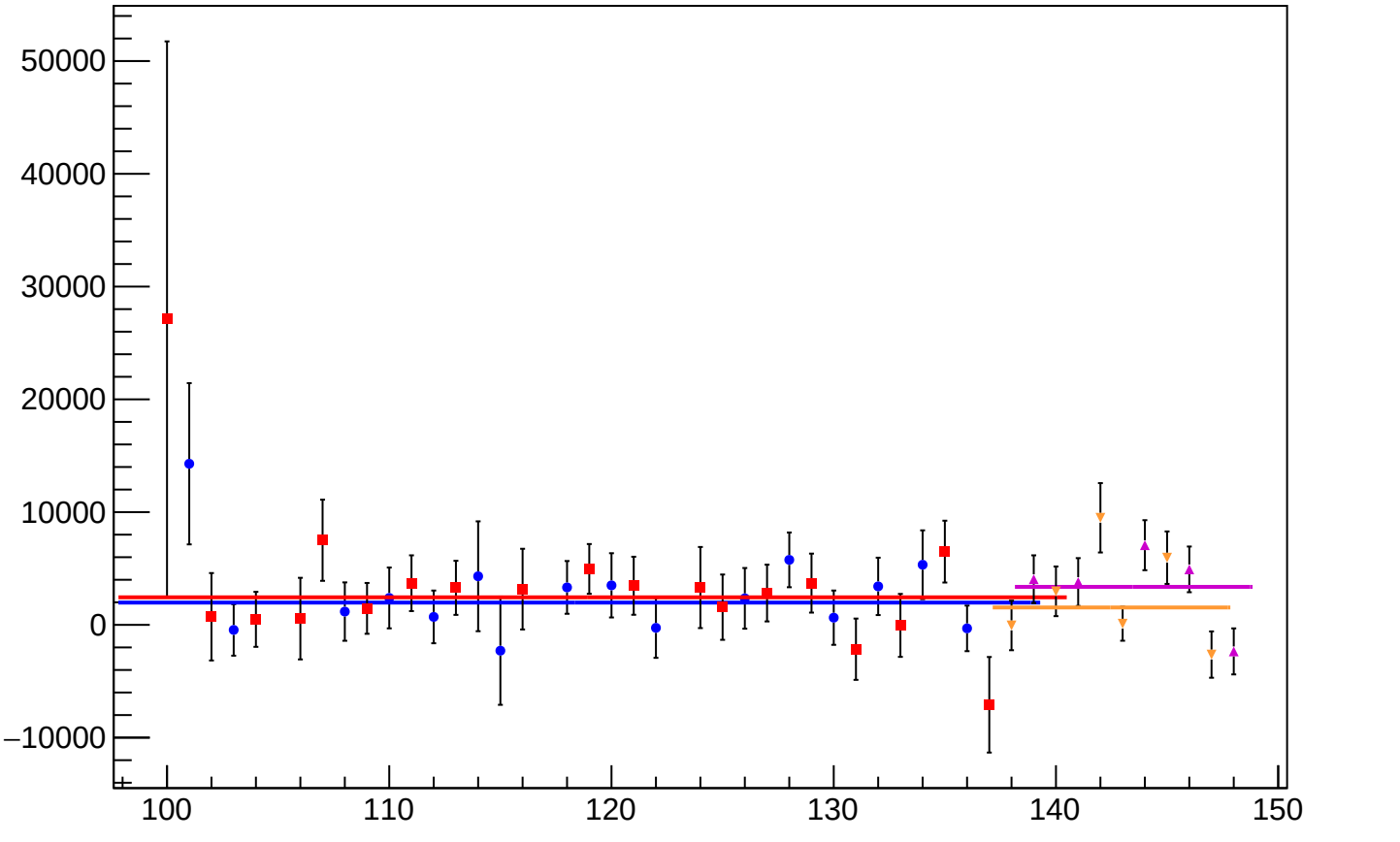
Left: 4439.676+/-1.084 χ^2/NDF: 881338.8/10

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3477.554+/-0.757 χ^2/NDF:1936855.1/20

Out: 3071.417+/-0.667 χ^2/NDF:2632969.2/24

All: 3248.905+/-0.500 χ^2/NDF: 4731843.7/45



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1542.669+/-851.380 χ^2/NDF:16.3/5

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3371.038+/-939.810 χ^2/NDF:11.4/4

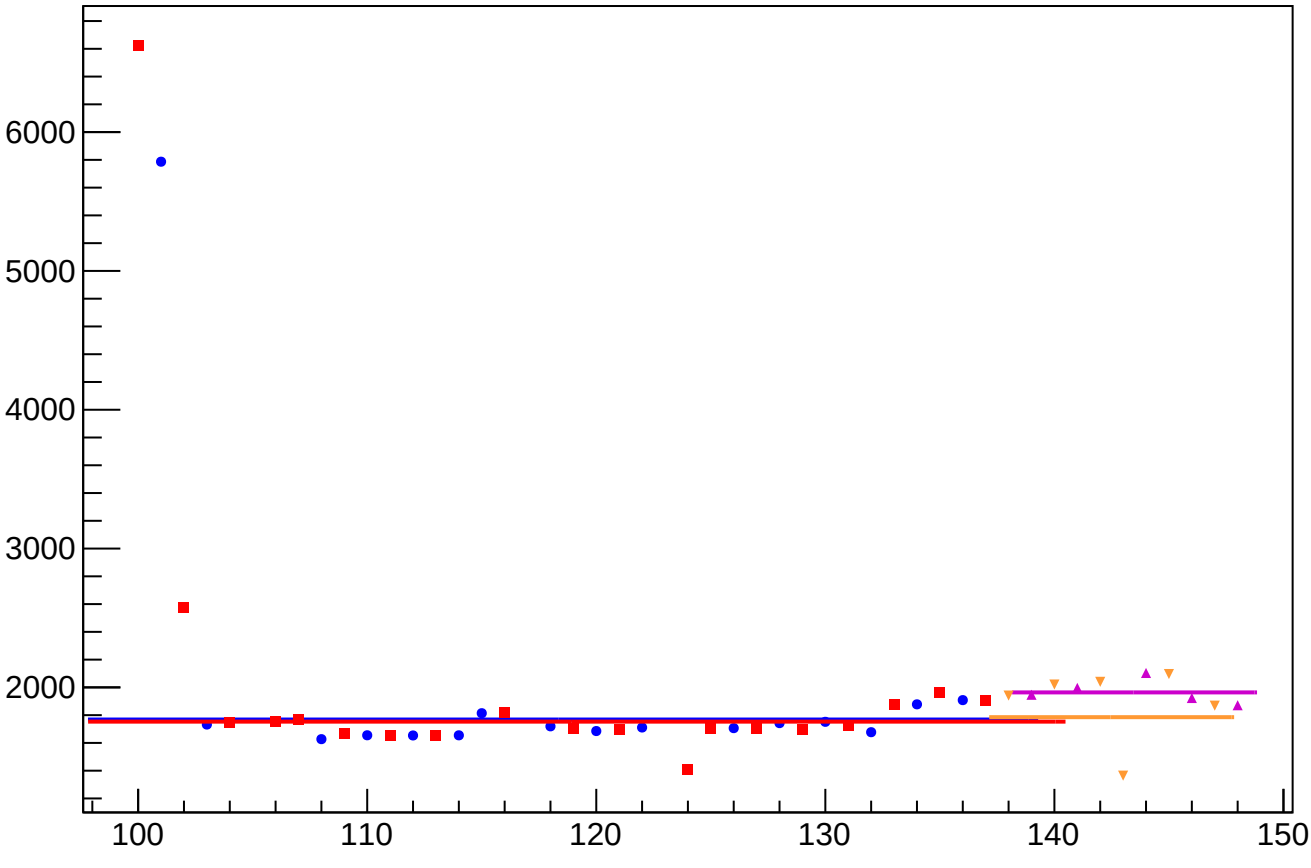
Left: 2366.808+/-630.969 χ^2/NDF: 29.7/10

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2449.763+/-547.756 χ^2/NDF:25.3/20

Out: 2107.276+/-520.474 χ^2/NDF:34.5/24

All: 2269.778+/-377.307 χ^2/NDF: 59.9/45



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1785.433+/-0.602 χ^2/NDF:241115.8/5

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1963.848+/-0.665 χ^2/NDF:13478.5/4

Left: 1865.854+/-0.446 χ^2/NDF: 294184.4/10

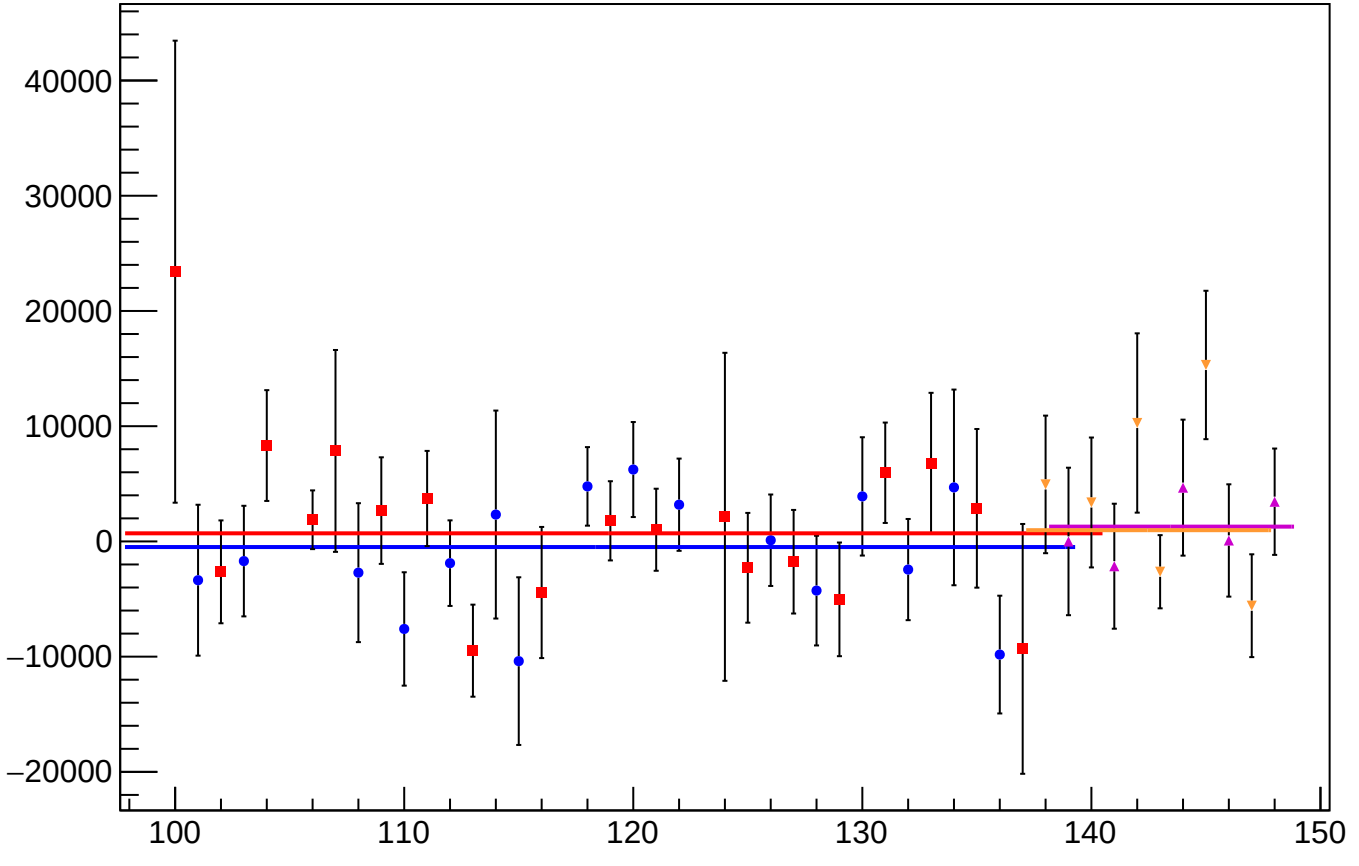
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1834.846+/-0.387 χ^2/NDF:737915.1/20

Out: 1765.321+/-0.367 χ^2/NDF:461758.8/24

All: 1798.251+/-0.267 χ^2/NDF: 1216633.8/45

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 974.766+/-2001.971 χ^2/NDF:10.5/5

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1283.542+/-2382.416 χ^2/NDF:1.1/4

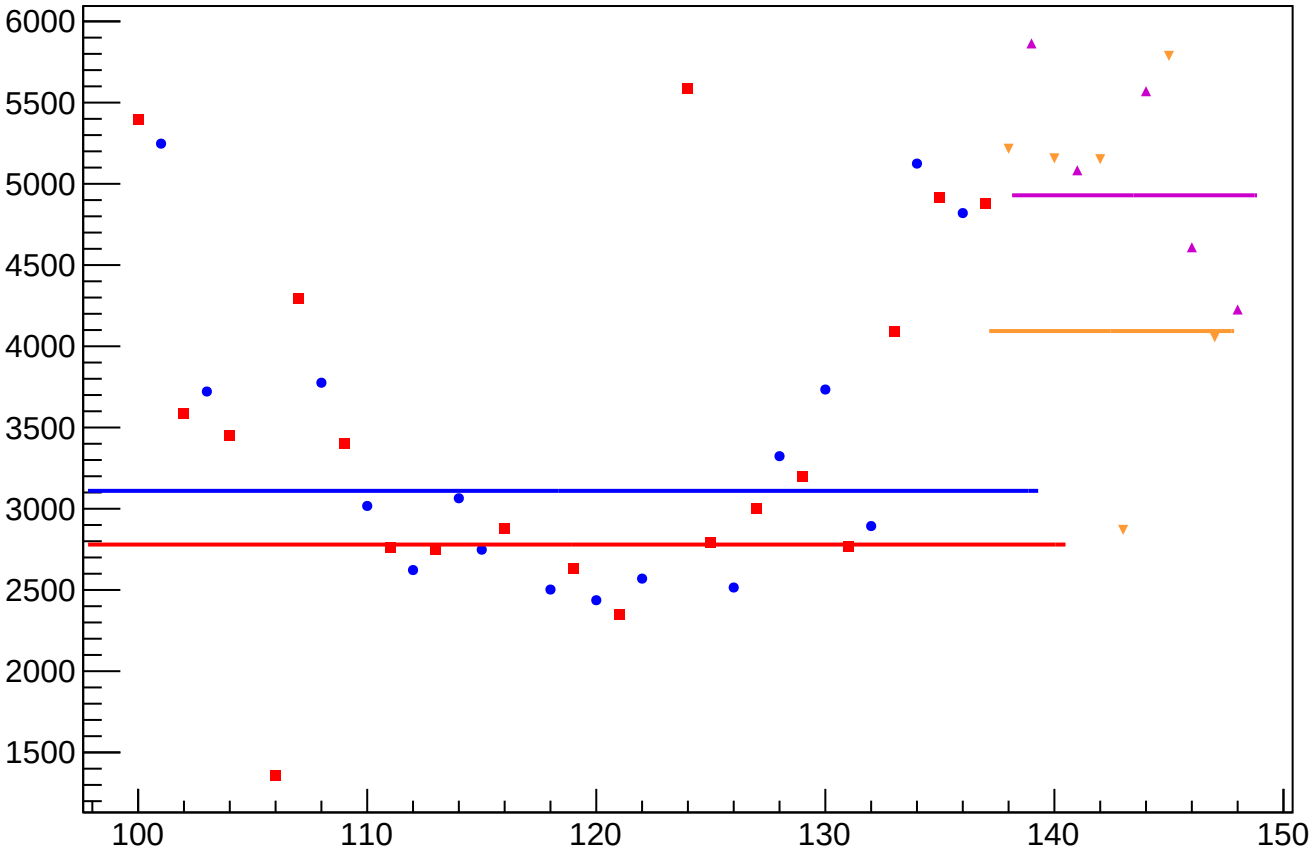
Left: 1102.561+/-1532.684 χ^2/NDF: 11.5/10

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -130.296+/-1070.658 χ^2/NDF:17.2/20

Out: 763.590+/-943.302 χ^2/NDF:29.3/24

All: 372.948+/-707.781 χ^2/NDF: 46.9/45



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4093.880+/-1.416 χ^2/NDF:614272.1/5

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 4929.397+/-1.685 χ^2/NDF:122897.8/4

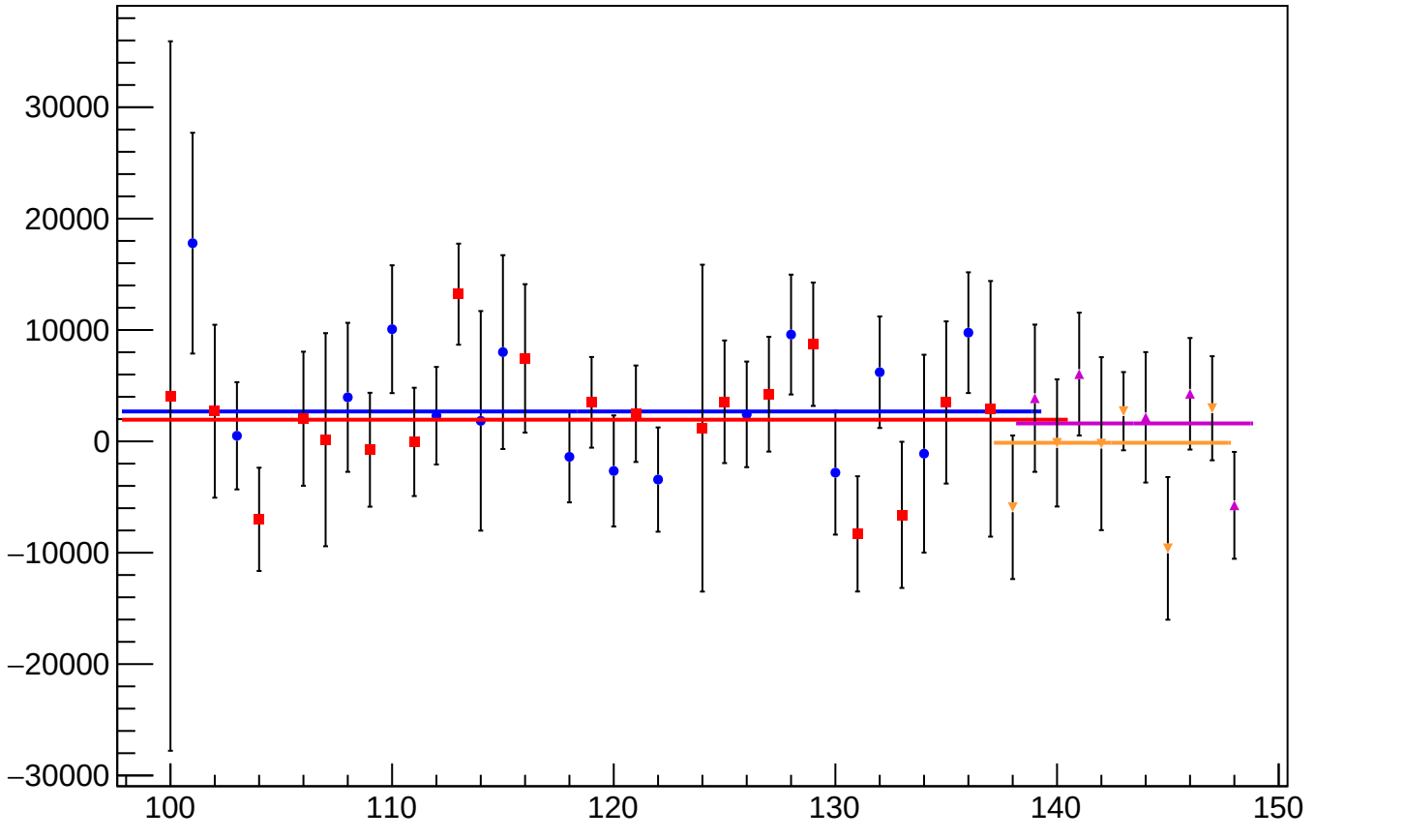
Left: 4439.680+/-1.084 χ^2/NDF: 881346.7/10

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3477.543+/-0.757 χ^2/NDF:1936884.1/20

Out: 3071.406+/-0.667 χ^2/NDF:2633009.8/24

All: 3248.894+/-0.500 χ^2/NDF: 4731915.0/45



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -126.871+/-2119.495 χ^2/NDF:4.1/5

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1611.384+/-2438.405 χ^2/NDF:3.4/4

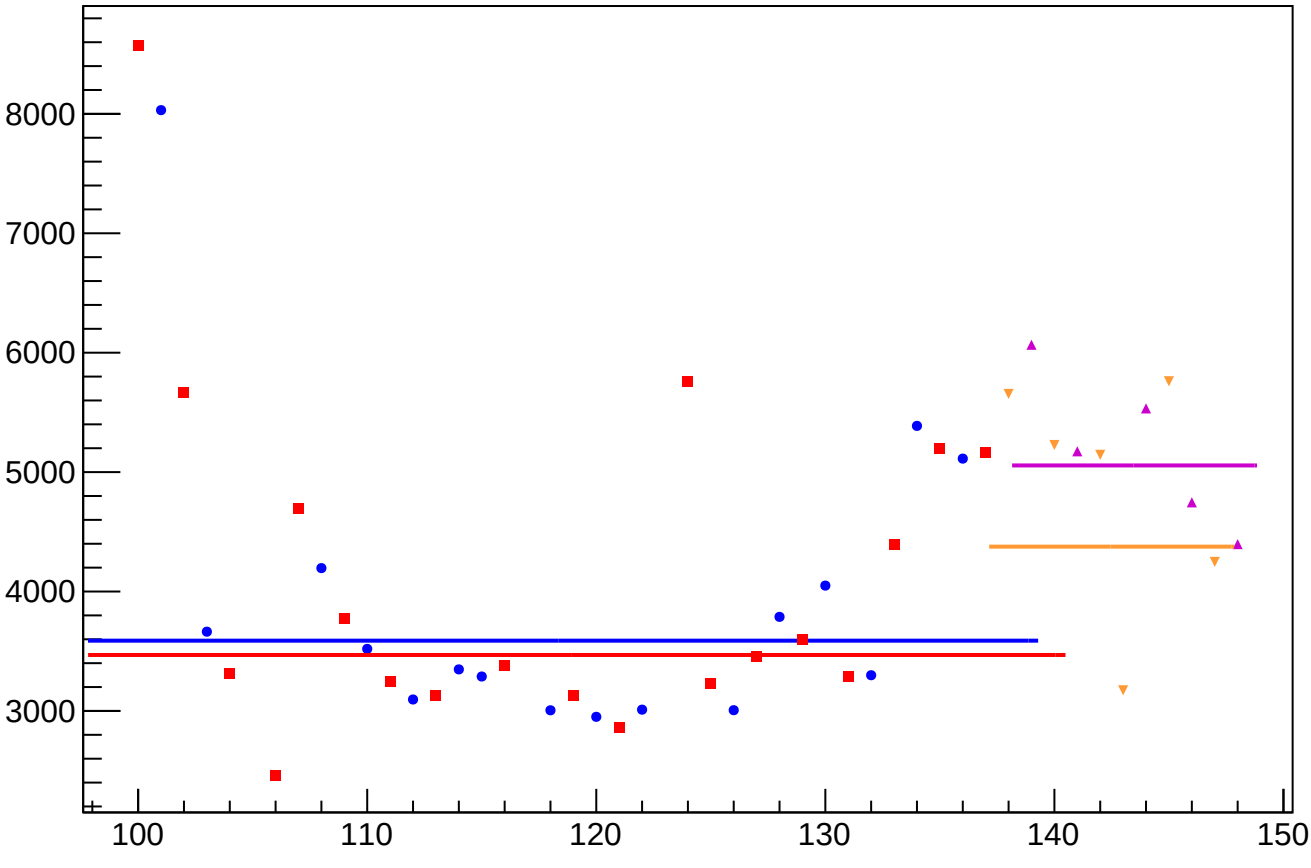
Left: 621.226+/-1599.661 χ^2/NDF: 7.8/10

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2424.890+/-1200.941 χ^2/NDF:17.0/20

Out: 1358.261+/-1128.379 χ^2/NDF:23.5/24

All: 1858.380+/-822.341 χ^2/NDF: 40.9/45



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4375.833+/-1.499 χ^2/NDF:472517.2/5

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5055.904+/-1.724 χ^2/NDF:106291.6/4

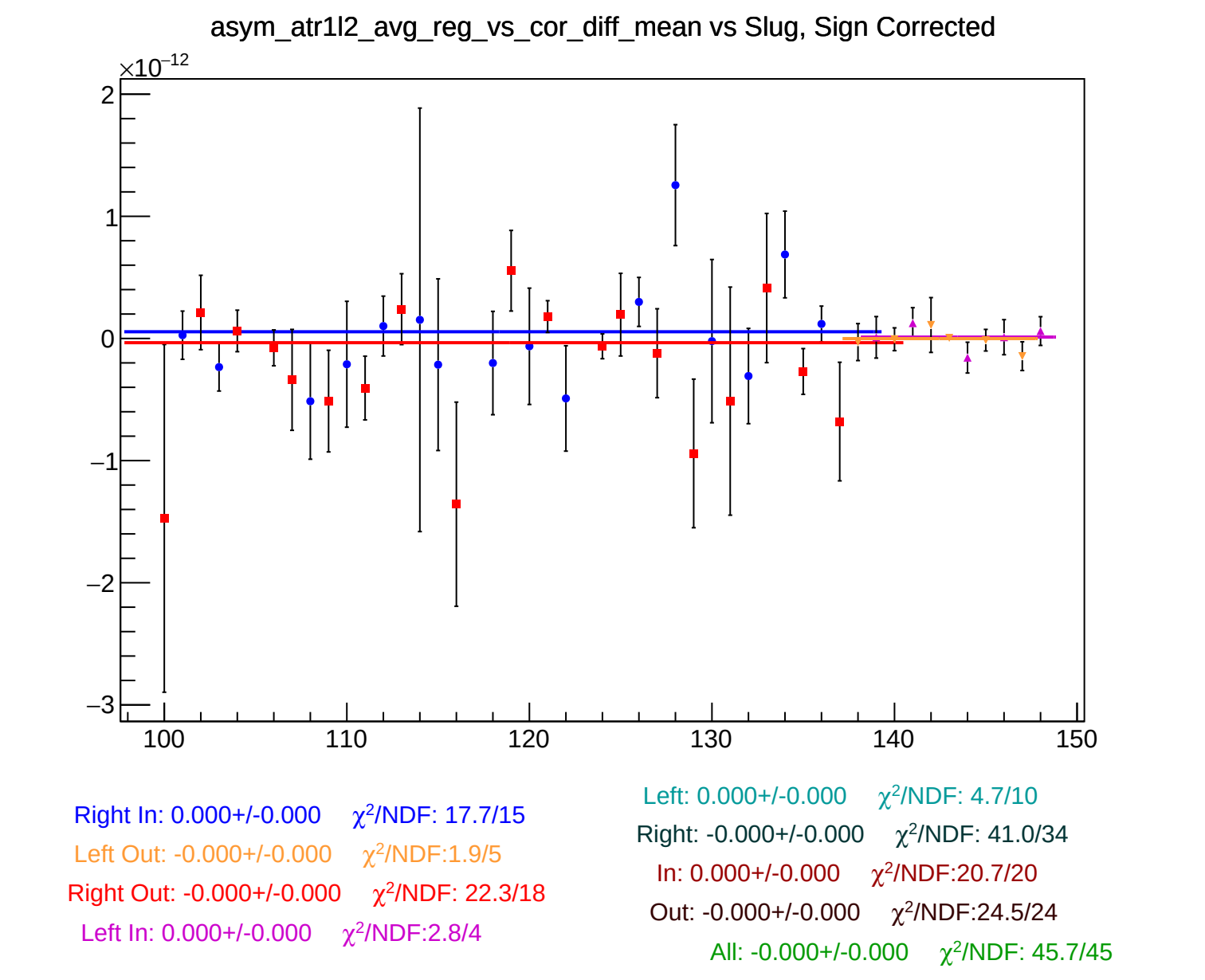
Left: 4668.517+/-1.131 χ^2/NDF: 667425.9/10

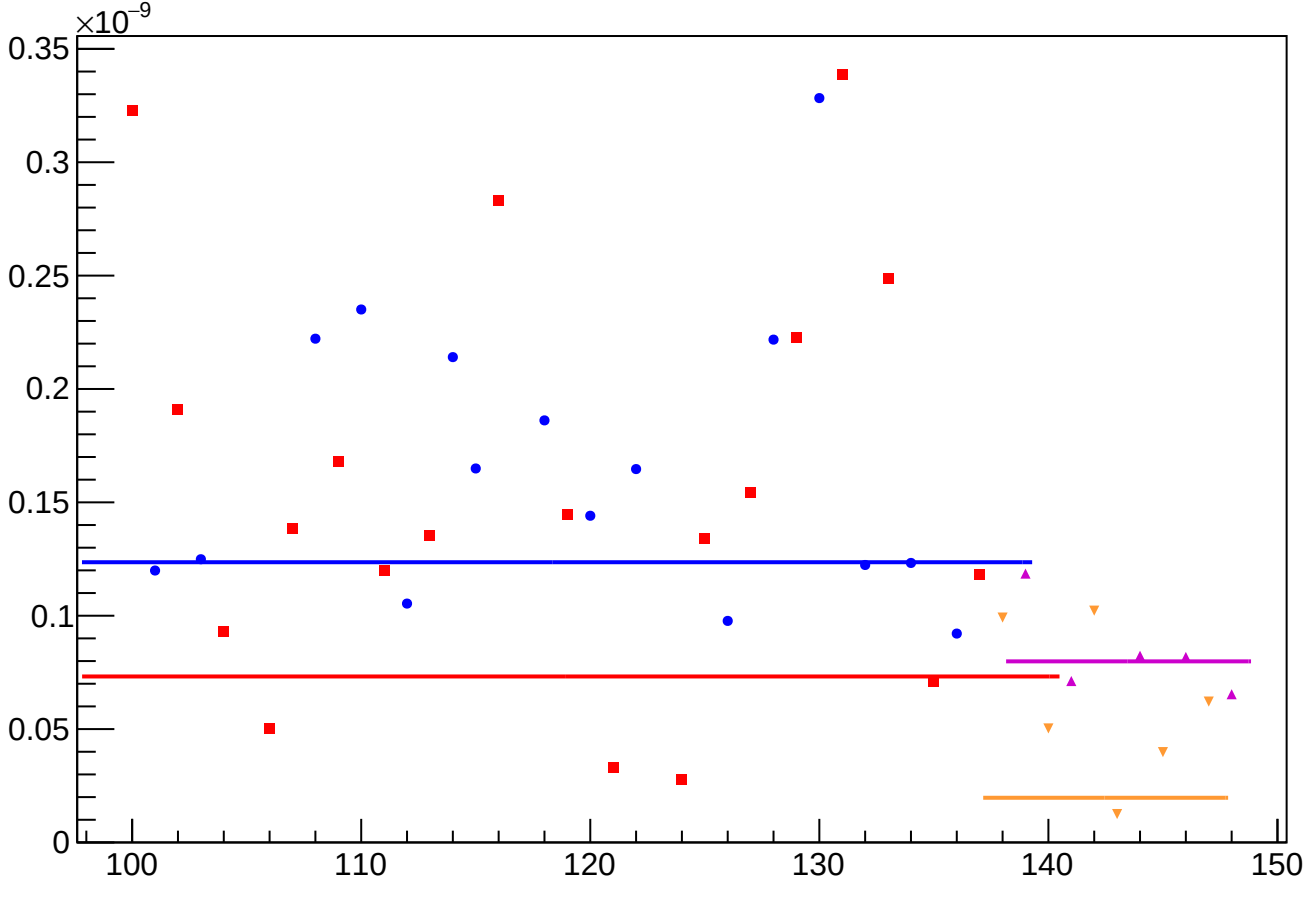
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3944.390+/-0.849 χ^2/NDF:1500170.5/20

Out: 3720.153+/-0.789 χ^2/NDF:1403887.6/24

All: 3824.064+/-0.578 χ^2/NDF: 2941474.1/45


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:1.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:2.8/4
Left: 0.000+/-0.000 χ²/NDF: 4.7/10
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:20.7/20
Out: -0.000+/-0.000 χ²/NDF:24.5/24
All: -0.000+/-0.000 χ²/NDF: 45.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1604938.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:144885.4/4

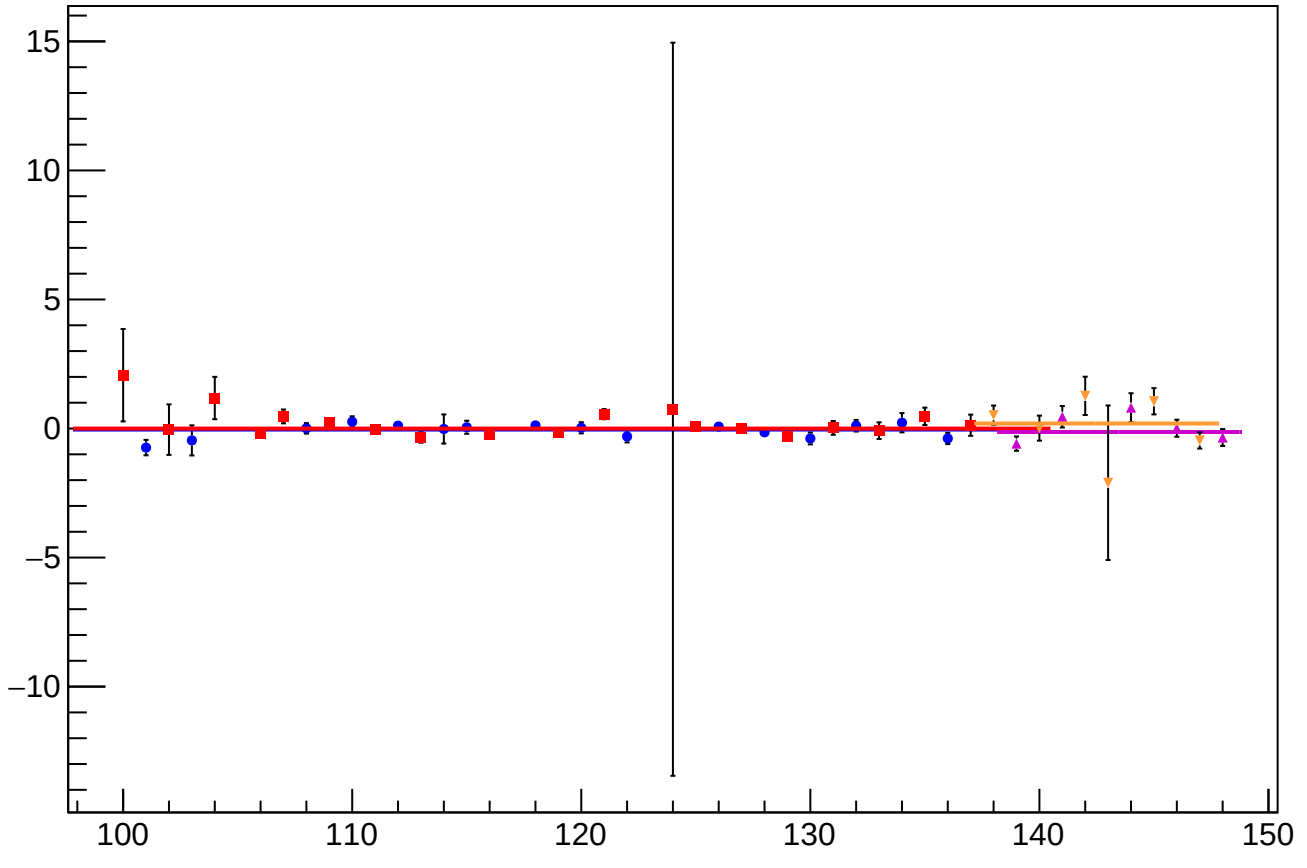
Left: 0.000+/-0.000 χ^2/NDF: 3568788.1/10

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1236295.5/20

Out: 0.000+/-0.000 χ^2/NDF:5551226.4/24

All: 0.000+/-0.000 χ^2/NDF: 10775195.8/45



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.135+/-0.157 χ^2/NDF:8.1/4

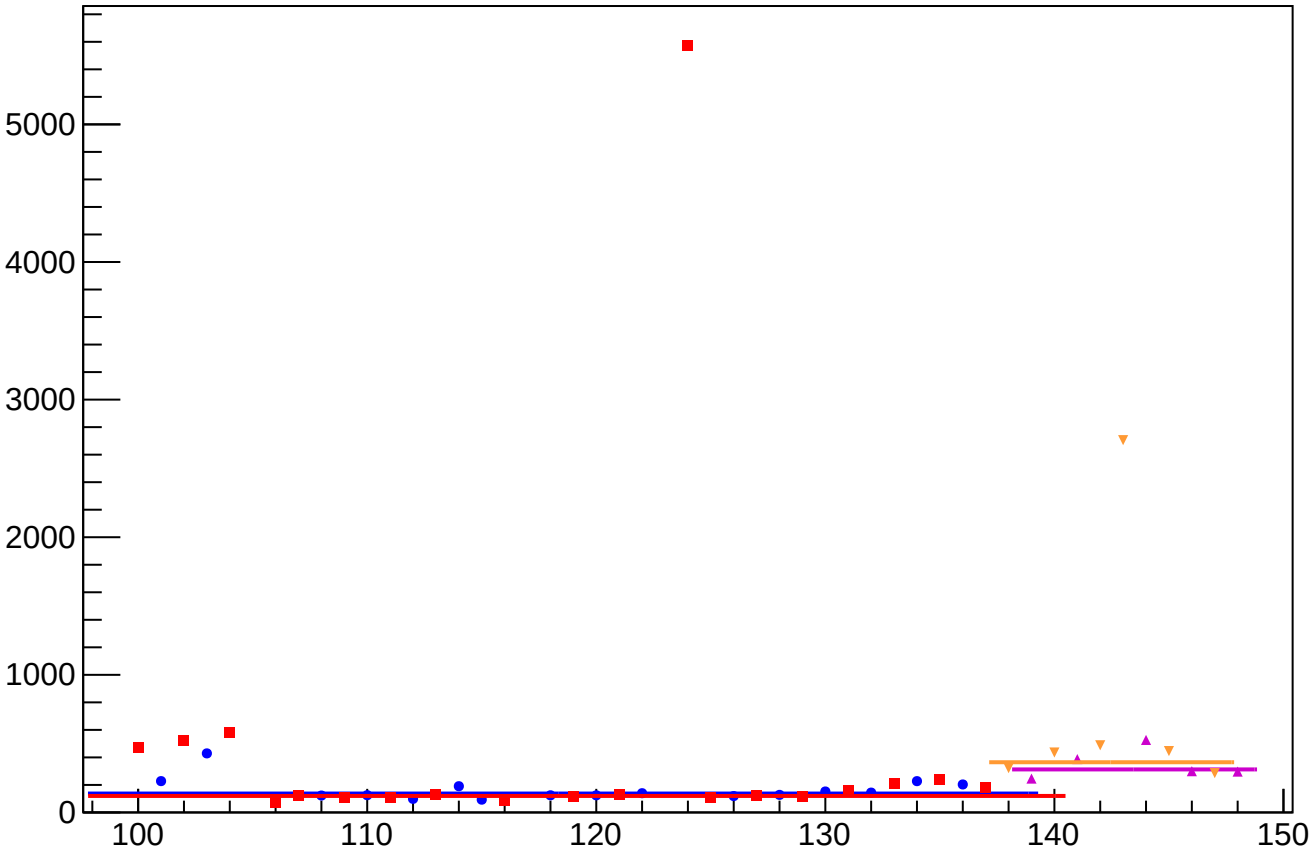
Left: -0.002+/-0.122 χ^2/NDF: 20.6/10

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.3/20

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.018+/-0.036 χ^2/NDF: 67.5/45



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.873+/-0.136 χ^2/NDF:1521518.8/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

Left: 333.696+/-0.086 χ^2/NDF: 2091878.1/10

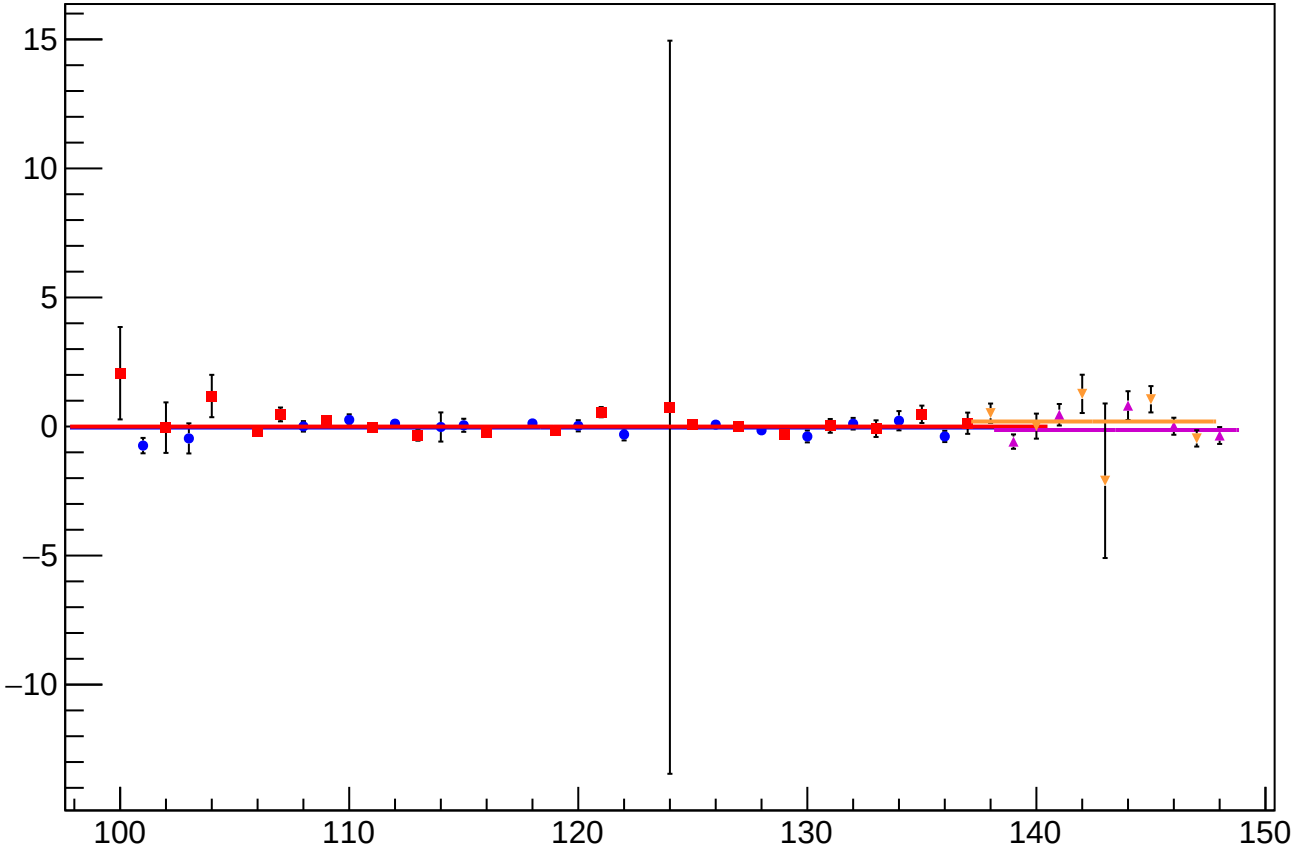
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 156.971+/-0.037 χ^2/NDF:3951848.9/20

Out: 136.147+/-0.035 χ^2/NDF:6709379.4/24

All: 145.866+/-0.025 χ^2/NDF: 10828326.4/45

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.135+/-0.157 χ^2/NDF:8.1/4

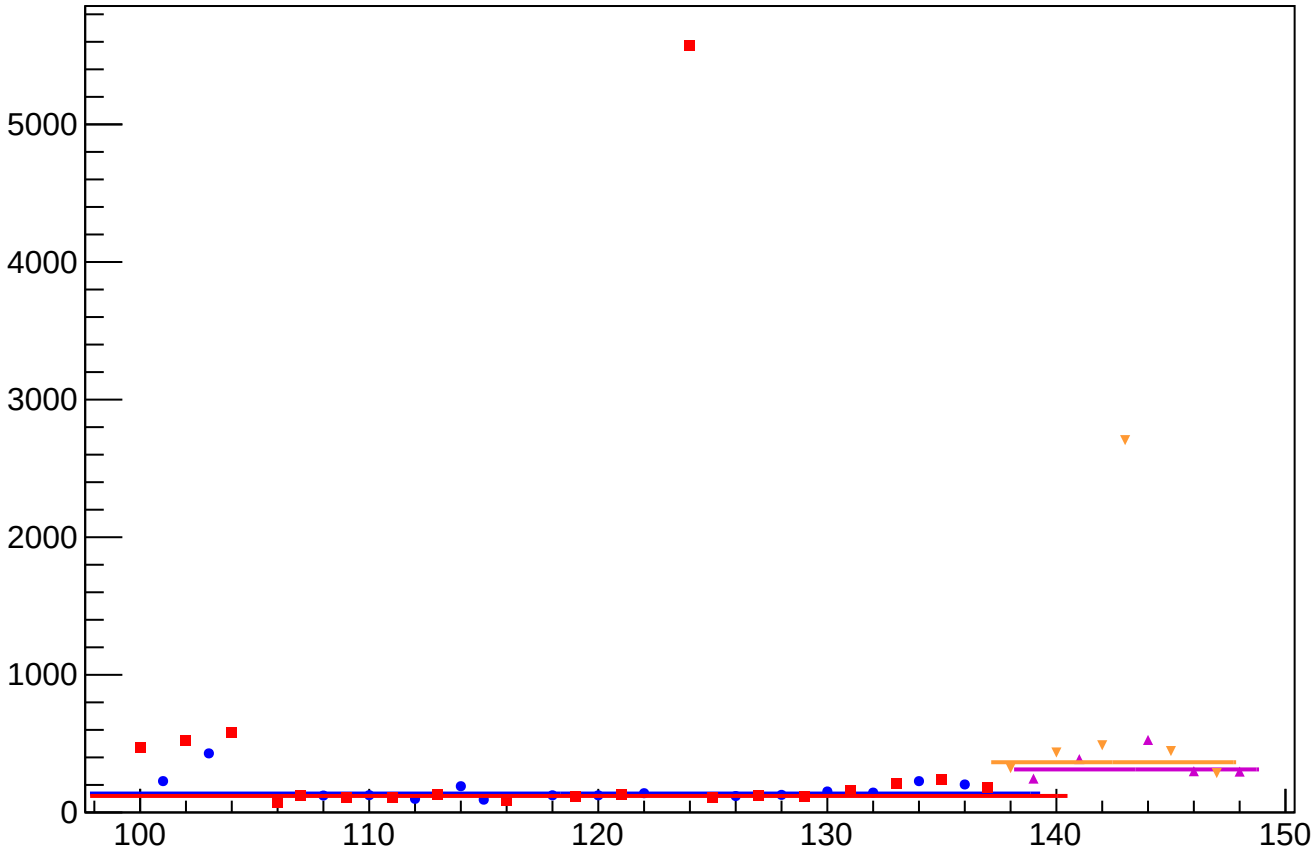
Left: -0.002+/-0.122 χ^2/NDF: 20.6/10

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.3/20

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.018+/-0.036 χ^2/NDF: 67.5/45



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.873+/-0.136 χ^2/NDF:1521518.8/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

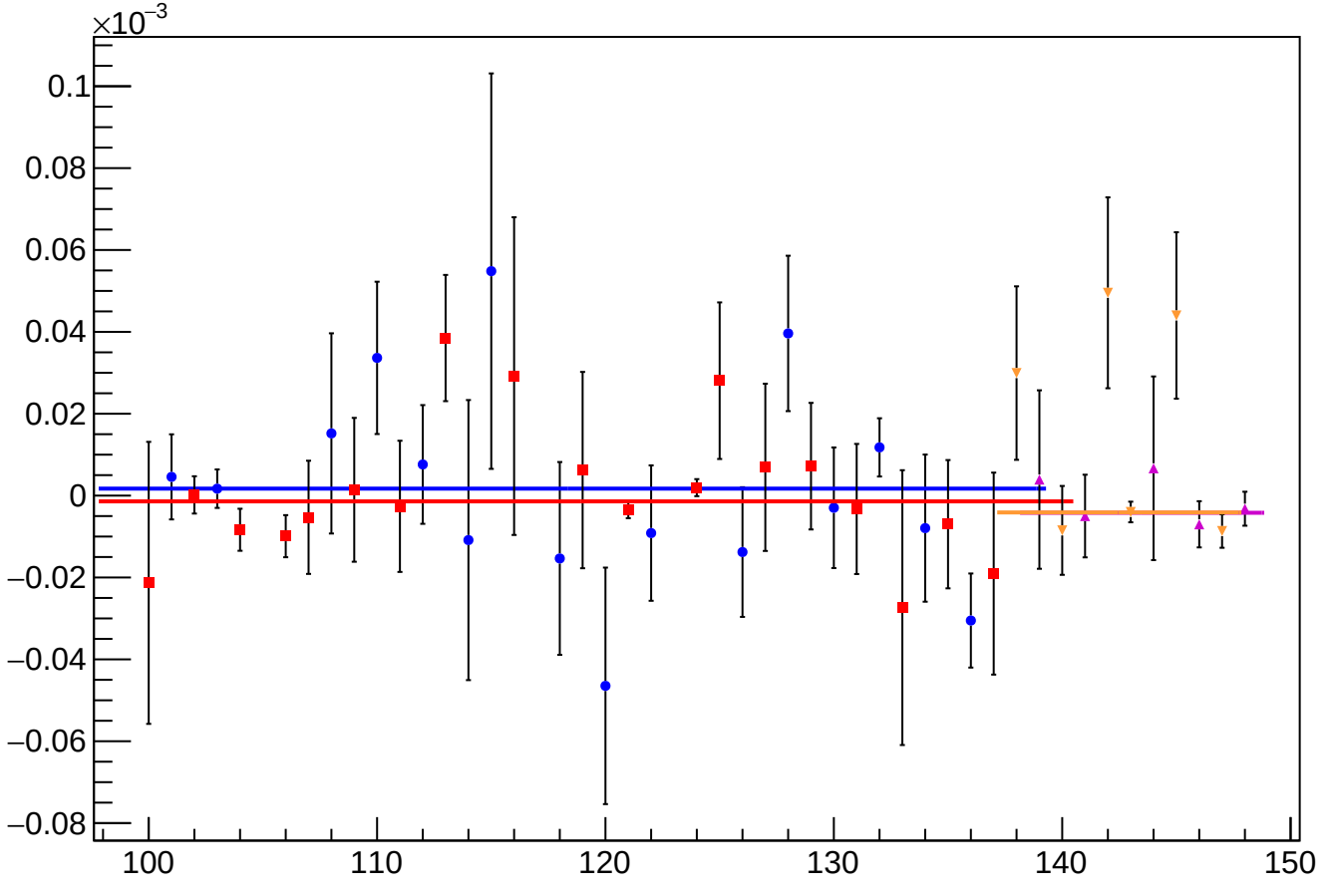
Left: 333.696+/-0.086 χ^2/NDF: 2091878.1/10

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 156.971+/-0.037 χ^2/NDF:3951848.9/20

Out: 136.147+/-0.035 χ^2/NDF:6709379.4/24

All: 145.866+/-0.025 χ^2/NDF: 10828326.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

Left: -0.000+/-0.000 χ^2/NDF: 15.6/10

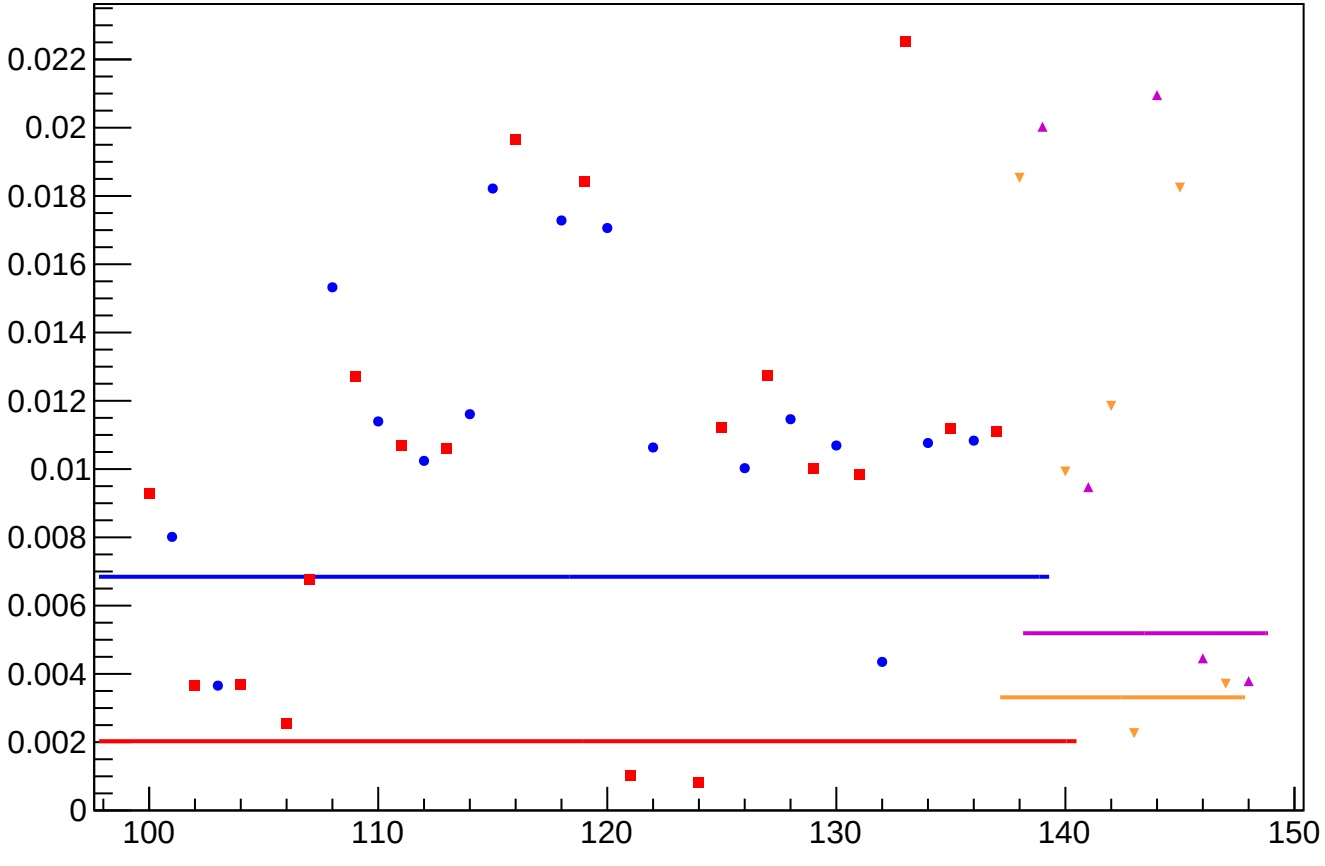
Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: -0.000+/-0.000 χ^2/NDF:26.4/20

Out: -0.000+/-0.000 χ^2/NDF:36.4/24

All: -0.000+/-0.000 χ^2/NDF: 62.9/45

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3488426.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2536098.7/4

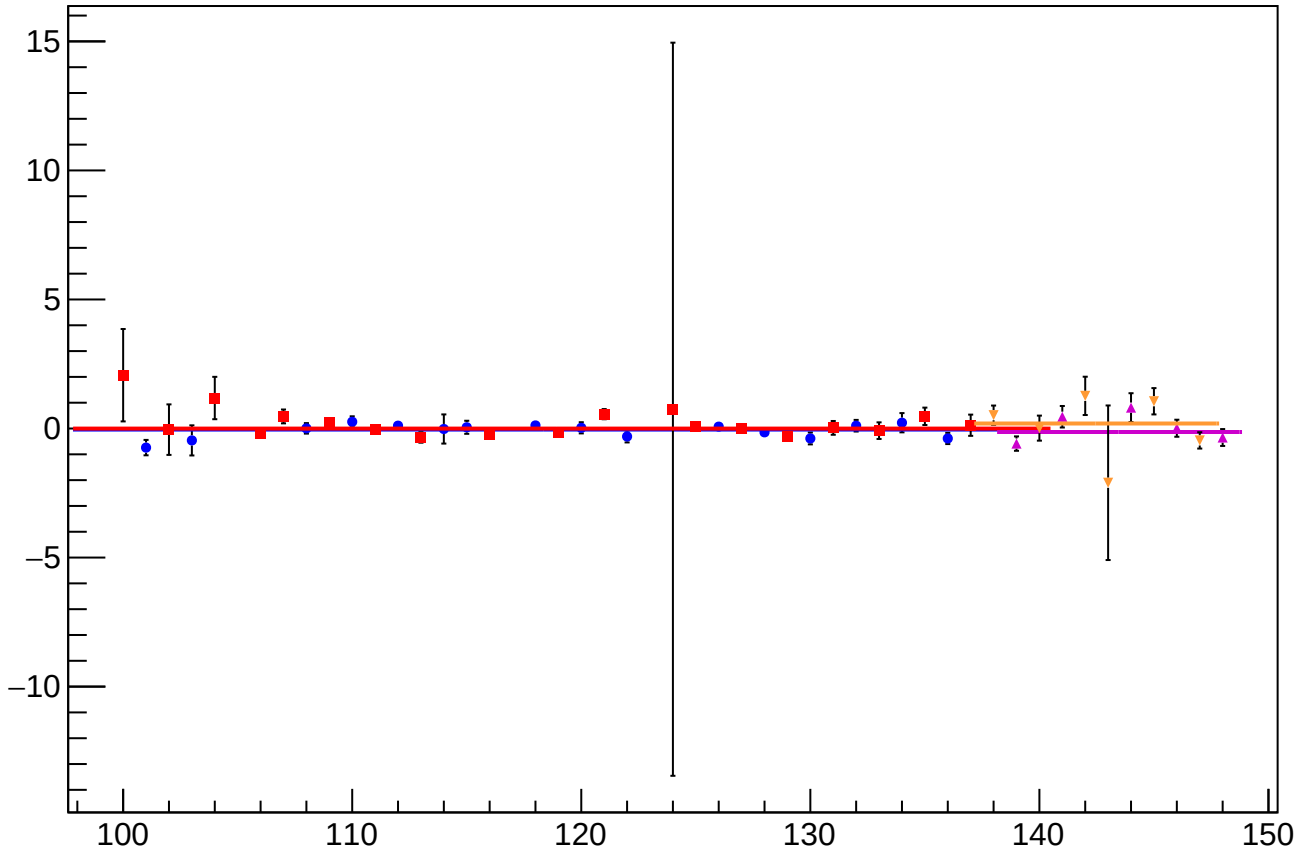
Left: 0.004+/-0.000 χ^2/NDF: 6529331.6/10

Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:6062550.3/20

Out: 0.002+/-0.000 χ^2/NDF:13058061.5/24

All: 0.003+/-0.000 χ^2/NDF: 23829047.0/45



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.135+/-0.157 χ^2/NDF:8.1/4

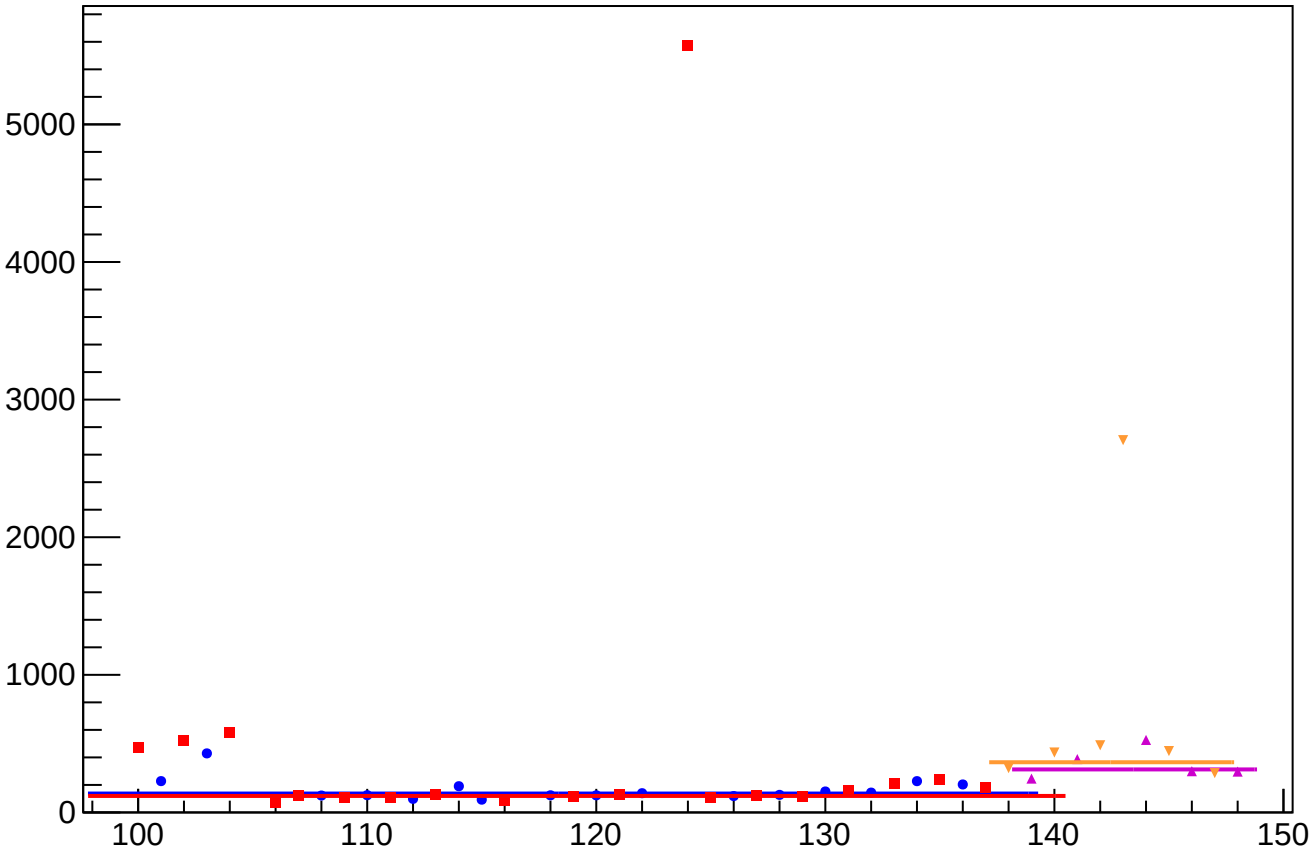
Left: -0.002+/-0.122 χ^2/NDF: 20.6/10

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.4/20

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.018+/-0.036 χ^2/NDF: 67.5/45



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.876+/-0.136 χ^2/NDF:1521542.7/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

Left: 333.700+/-0.086 χ^2/NDF: 2091880.2/10

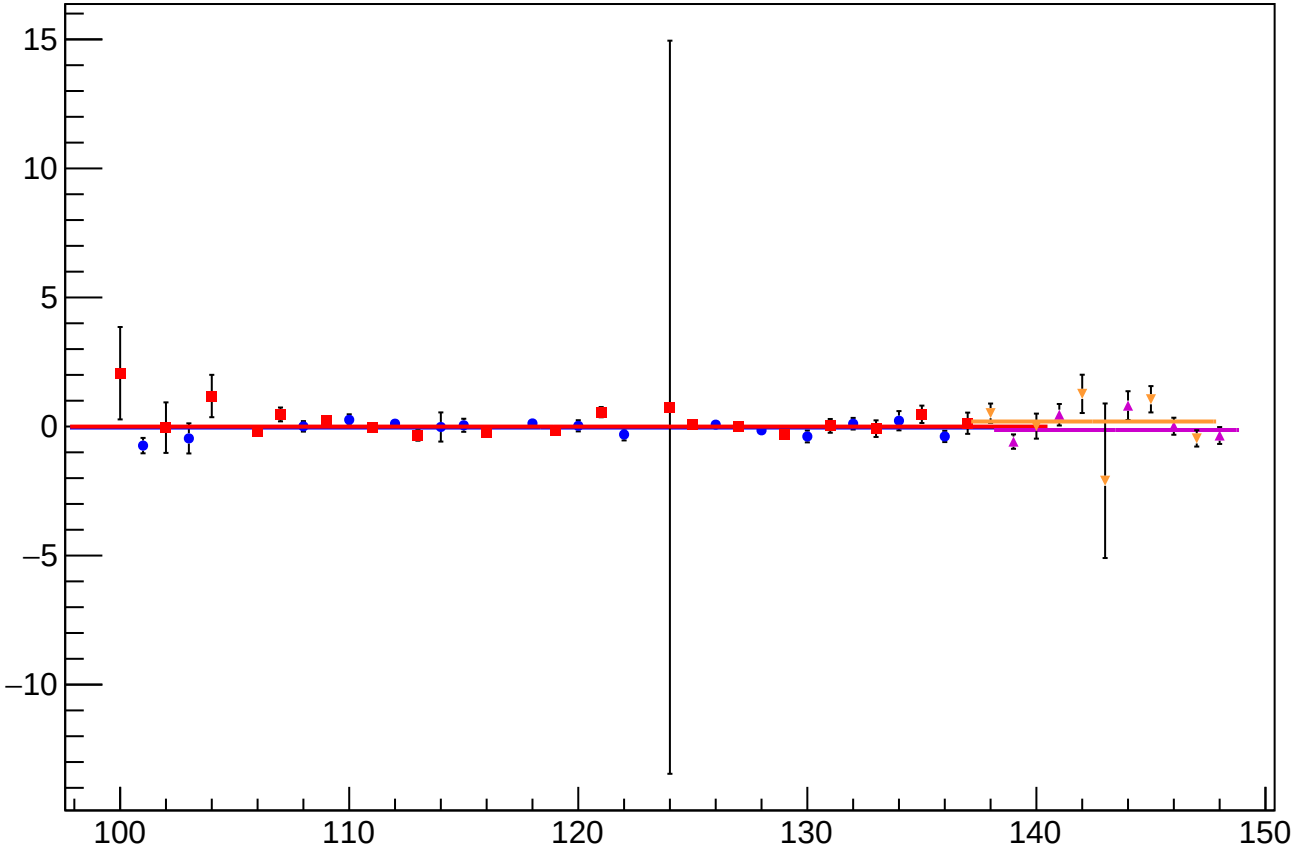
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 156.972+/-0.037 χ^2/NDF:3951810.8/20

Out: 136.147+/-0.035 χ^2/NDF:6709349.1/24

All: 145.867+/-0.025 χ^2/NDF: 10828274.7/45

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.135+/-0.157 χ^2/NDF:8.1/4

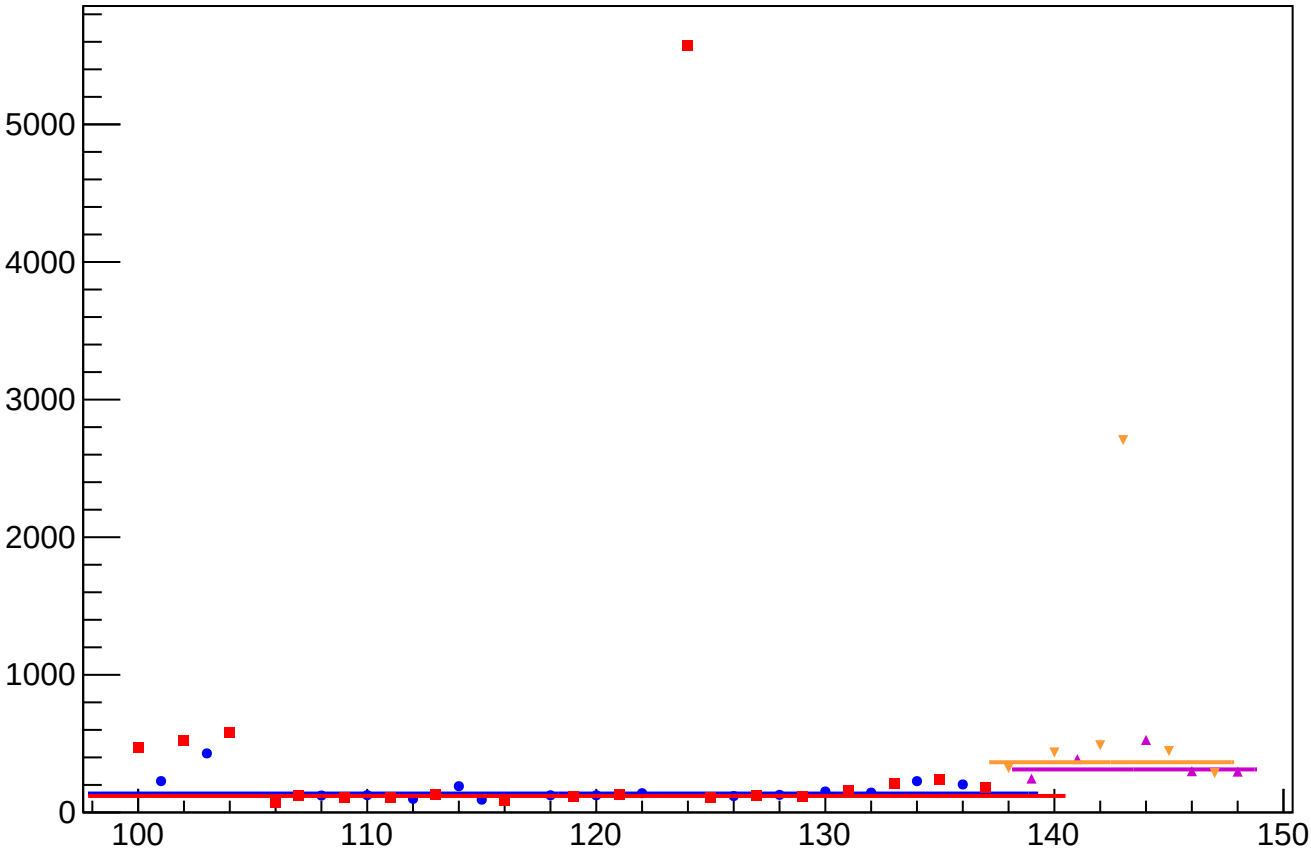
Left: -0.002+/-0.122 χ^2/NDF: 20.6/10

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.4/20

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.018+/-0.036 χ^2/NDF: 67.5/45



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.876+/-0.136 χ^2/NDF:1521542.7/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

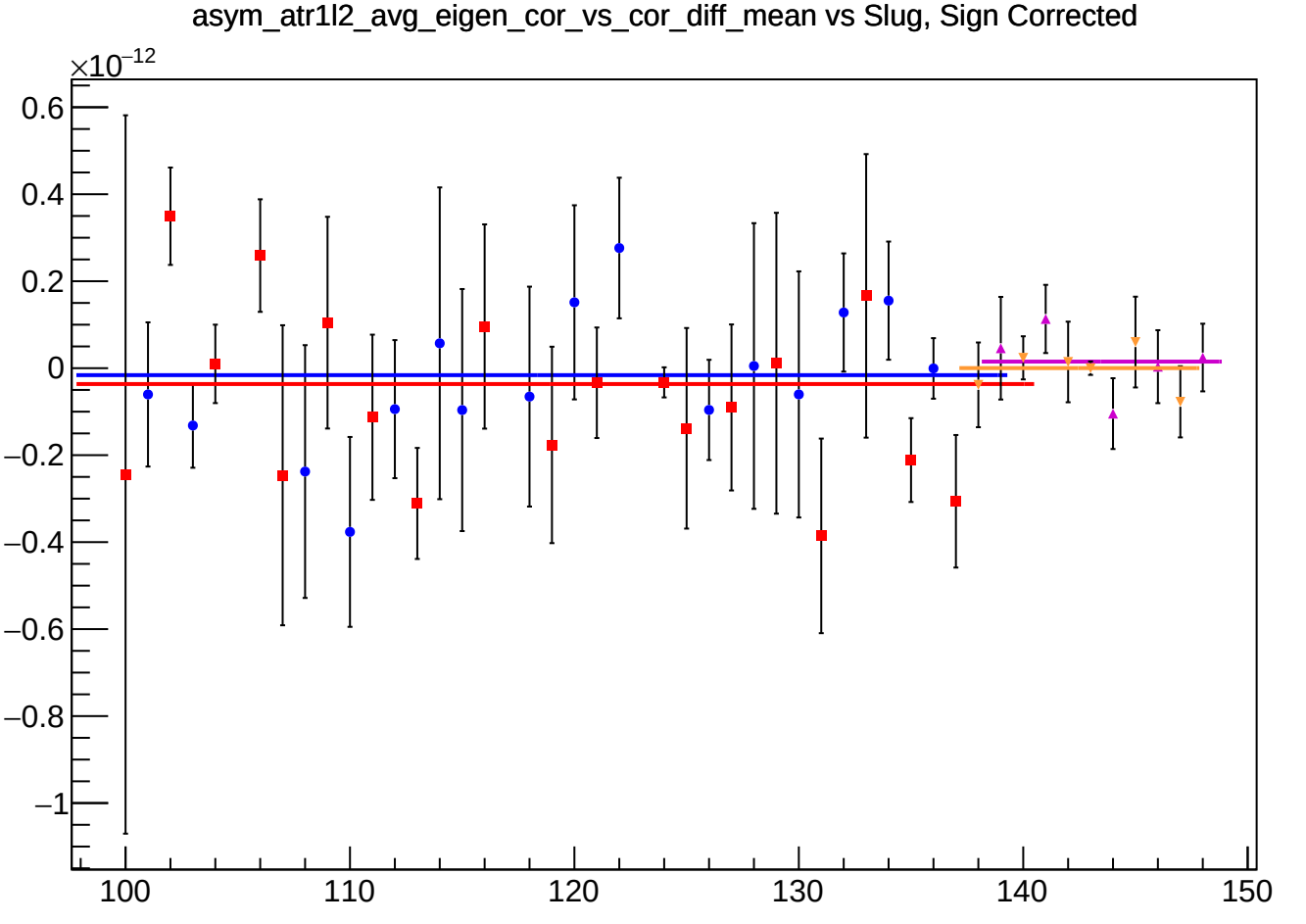
Left: 333.700+/-0.086 χ^2/NDF: 2091880.2/10

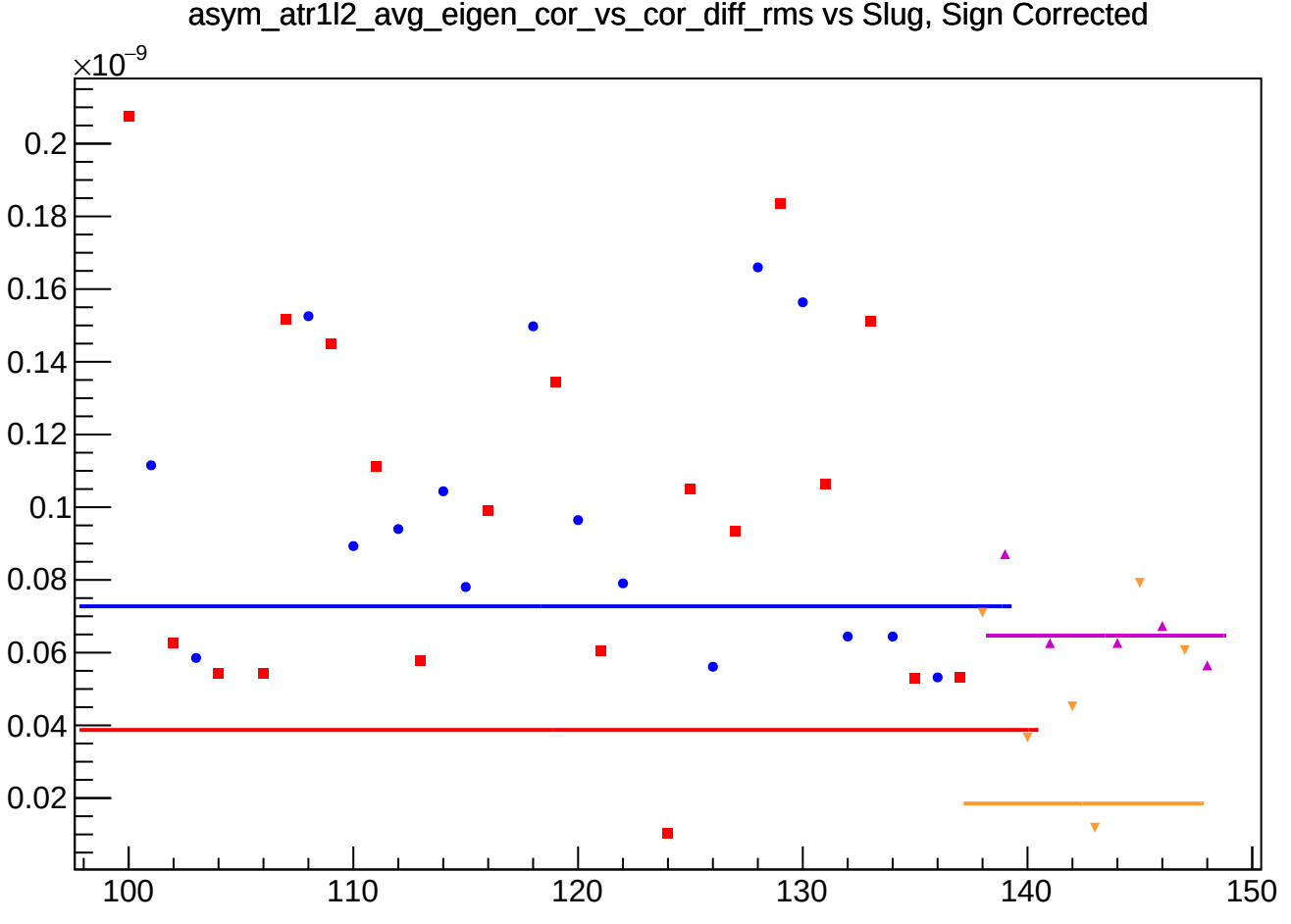
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 156.972+/-0.037 χ^2/NDF:3951810.8/20

Out: 136.147+/-0.035 χ^2/NDF:6709349.1/24

All: 145.867+/-0.025 χ^2/NDF: 10828274.7/45


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
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1.6/5
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: 0.000+/-0.000 χ²/NDF:3.8/4
Left: 0.000+/-0.000 χ²/NDF: 5.6/10
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:16.5/20
Out: -0.000+/-0.000 χ²/NDF:36.4/24
All: -0.000+/-0.000 χ²/NDF: 52.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592552.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:99108.8/4

Left: 0.000+/-0.000 χ^2/NDF: 5290747.9/10

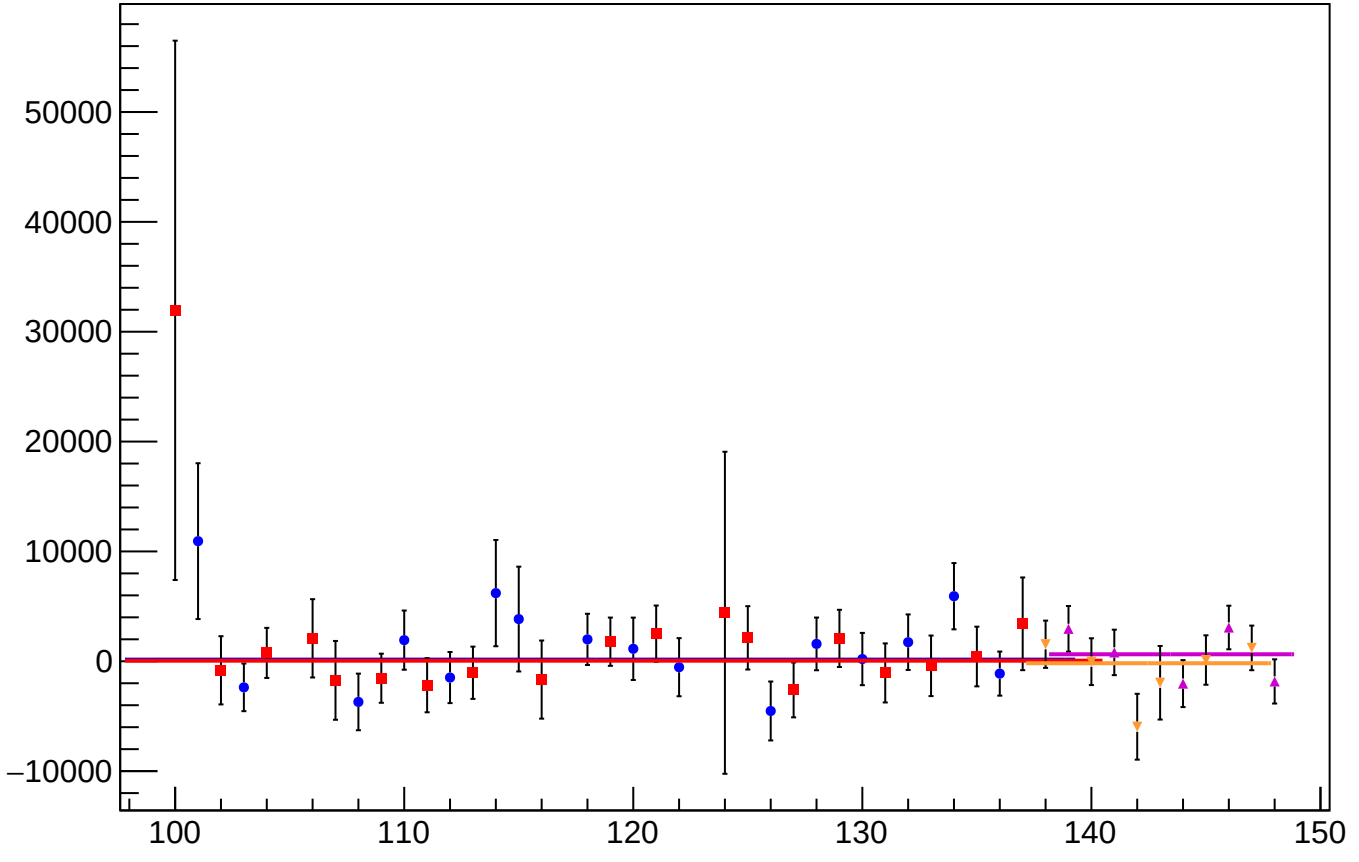
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1273152.9/20

Out: 0.000+/-0.000 χ^2/NDF:7830494.7/24

All: 0.000+/-0.000 χ^2/NDF: 13939544.0/45

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -178.901+/-963.427 χ^2/NDF:5.1/5

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 637.187+/-918.722 χ^2/NDF:5.8/4

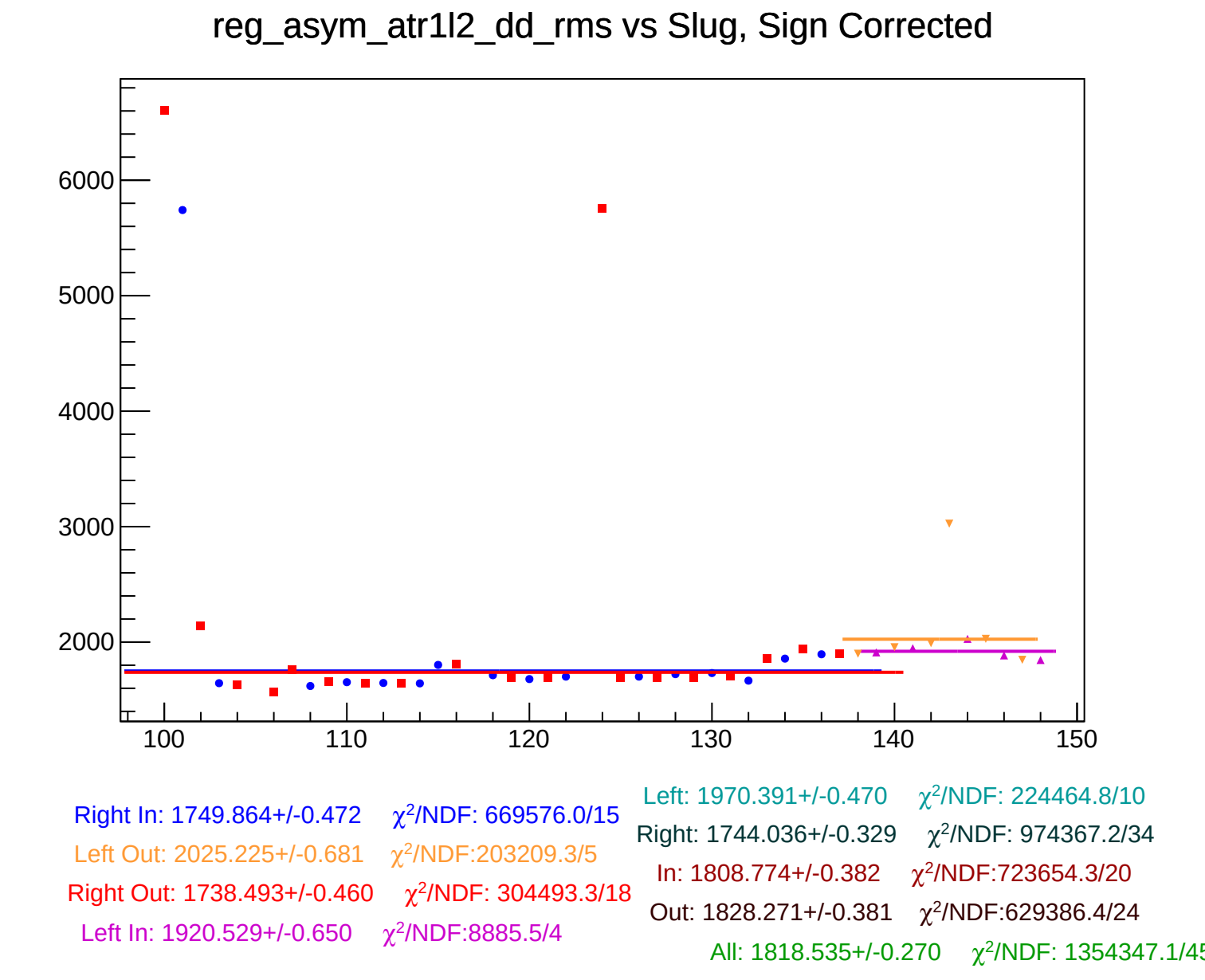
Left: 248.516+/-664.877 χ^2/NDF: 11.3/10

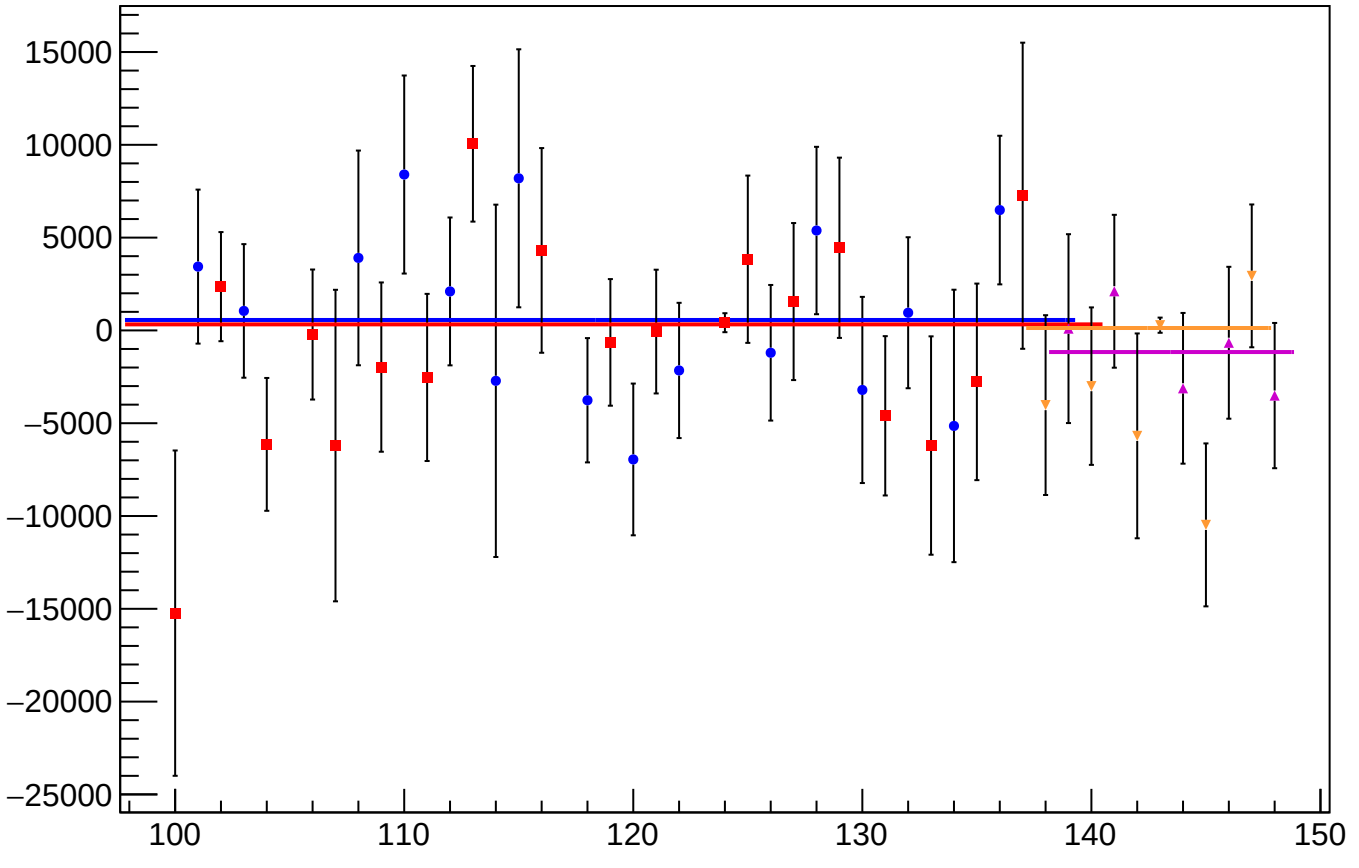
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 318.639+/-539.767 χ^2/NDF:23.7/20

Out: -19.590+/-541.821 χ^2/NDF:14.1/24

All: 150.167+/-382.397 χ^2/NDF: 38.0/45


reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1749.864+/-0.472 χ²/NDF: 669576.0/15
Left Out: 2025.225+/-0.681 χ²/NDF:203209.3/5
Right Out: 1738.493+/-0.460 χ²/NDF: 304493.3/18
Left In: 1920.529+/-0.650 χ²/NDF:8885.5/4
Left: 1970.391+/-0.470 χ²/NDF: 224464.8/10
Right: 1744.036+/-0.329 χ²/NDF: 974367.2/34
In: 1808.774+/-0.382 χ²/NDF:723654.3/20
Out: 1828.271+/-0.381 χ²/NDF:629386.4/24
All: 1818.535+/-0.270 χ²/NDF: 1354347.1/45



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 130.016+/-400.782 χ^2/NDF:8.9/5

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1165.477+/-1879.000 χ^2/NDF:1.3/4

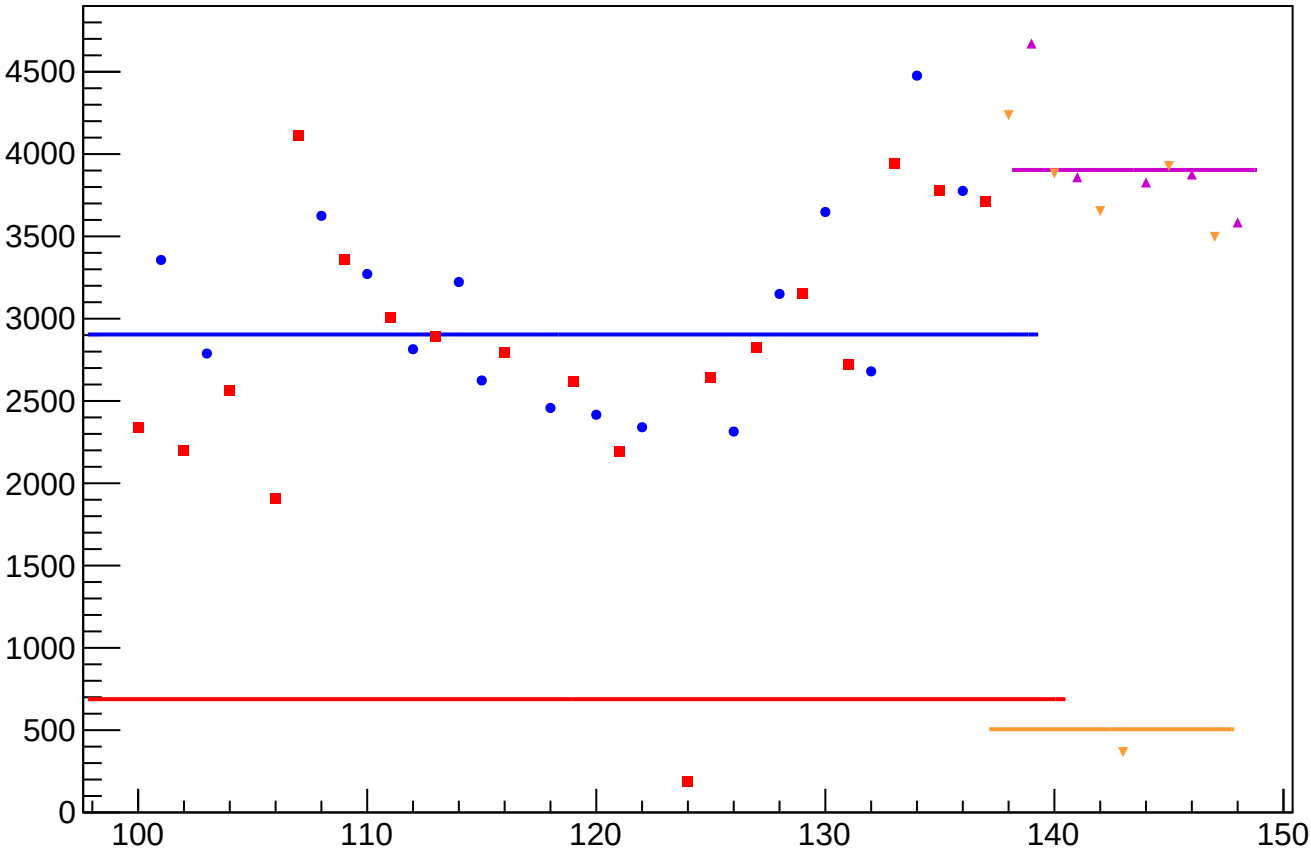
Left: 73.643+/-391.965 χ^2/NDF: 10.7/10

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 120.638+/-950.041 χ^2/NDF:16.7/20

Out: 214.831+/-301.594 χ^2/NDF:28.2/24

All: 206.208+/-287.457 χ^2/NDF: 45.0/45



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 505.605+/-0.283 χ^2/NDF:5757926.1/5

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 3903.755+/-1.329 χ^2/NDF:59842.9/4

Left: 653.476+/-0.277 χ^2/NDF: 12074385.3/10

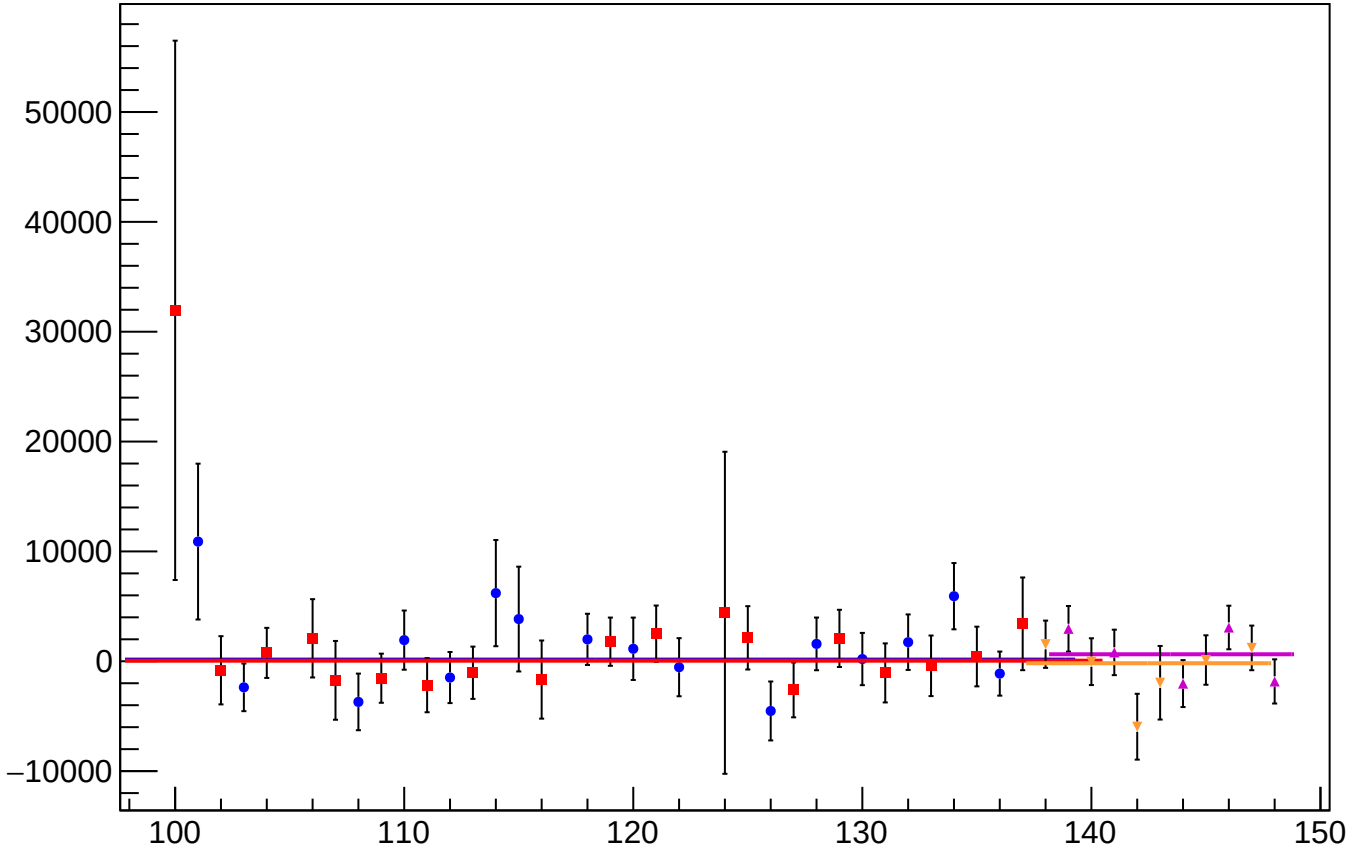
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3159.623+/-0.672 χ^2/NDF:961017.0/20

Out: 584.852+/-0.213 χ^2/NDF:16087129.8/24

All: 820.574+/-0.203 χ^2/NDF: 30393275.7/45

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -179.059+/-963.427 χ^2/NDF:5.1/5

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 637.227+/-918.722 χ^2/NDF:5.8/4

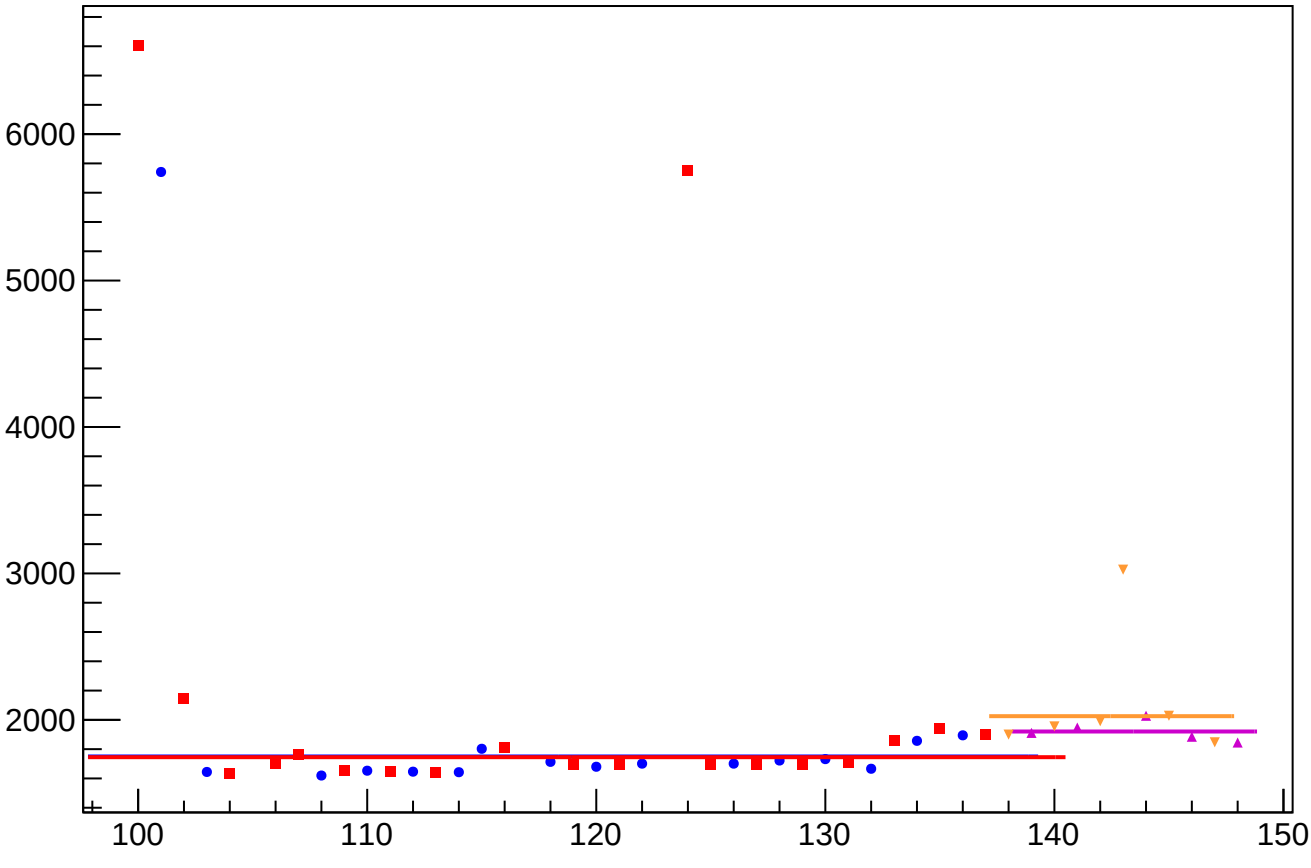
Left: 248.462+/-664.877 χ^2/NDF: 11.3/10

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 318.347+/-539.767 χ^2/NDF:23.7/20

Out: -19.604+/-541.821 χ^2/NDF:14.1/24

All: 150.013+/-382.397 χ^2/NDF: 38.0/45



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

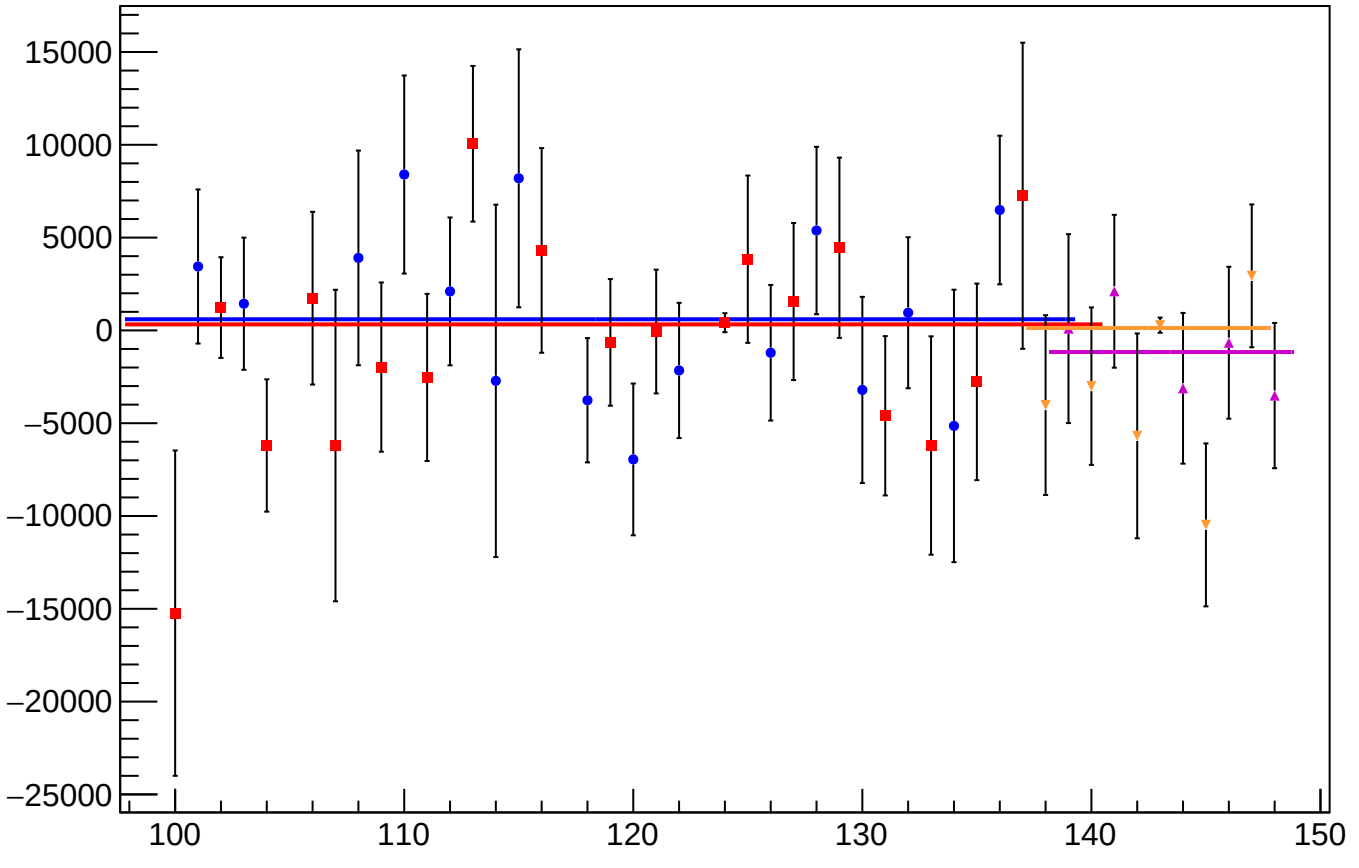
Left: 1970.391+/-0.470 χ^2/NDF: 224464.8/10

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1808.774+/-0.382 χ^2/NDF:723654.7/20

Out: 1833.306+/-0.382 χ^2/NDF:616992.8/24

All: 1821.025+/-0.270 χ^2/NDF: 1342710.6/45



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 130.999+/-400.817 χ^2/NDF:8.9/5

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1165.523+/-1878.997 χ^2/NDF:1.3/4

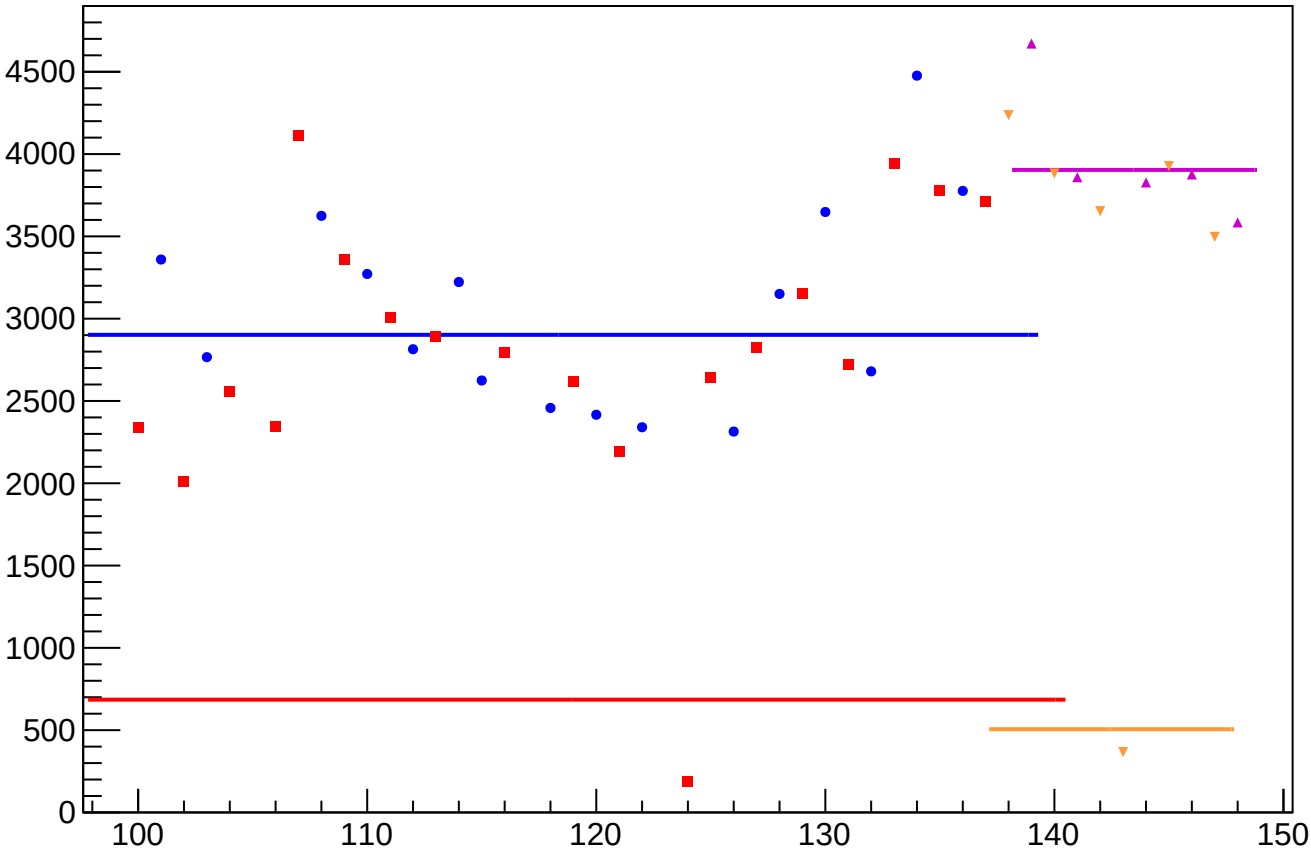
Left: 74.571+/-391.997 χ^2/NDF: 10.7/10

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 149.441+/-949.375 χ^2/NDF:16.8/20

Out: 214.165+/-301.869 χ^2/NDF:28.0/24

All: 208.222+/-287.677 χ^2/NDF: 44.8/45



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 505.668+/-0.283 χ^2/NDF:5757753.9/5

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

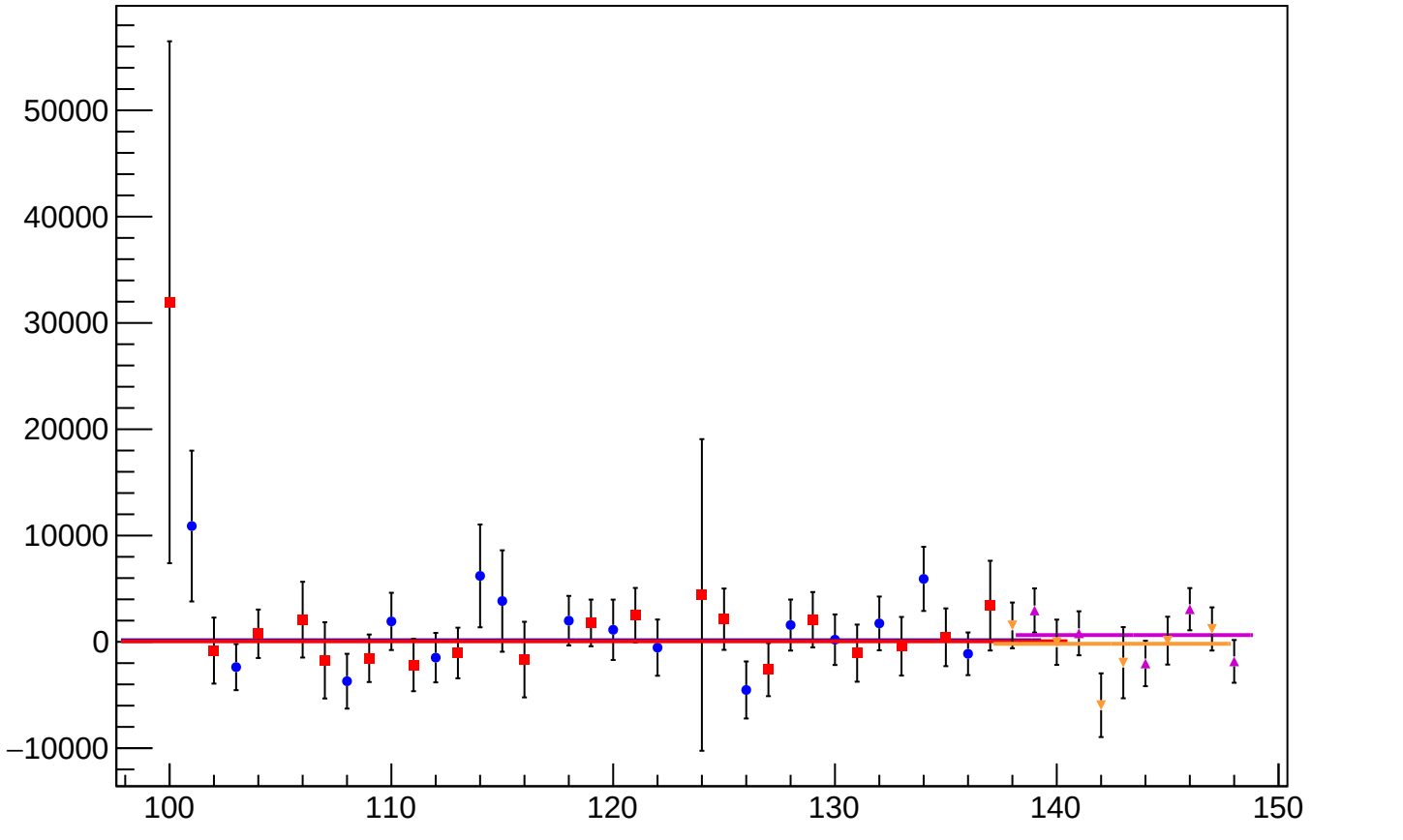
Left: 653.561+/-0.277 χ^2/NDF: 12073931.1/10

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3157.627+/-0.671 χ^2/NDF:964229.3/20

Out: 583.391+/-0.213 χ^2/NDF:16037319.6/24

All: 819.757+/-0.203 χ^2/NDF: 30355920.6/45



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -179.059+/-963.427 χ^2/NDF:5.1/5

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 637.227+/-918.722 χ^2/NDF:5.8/4

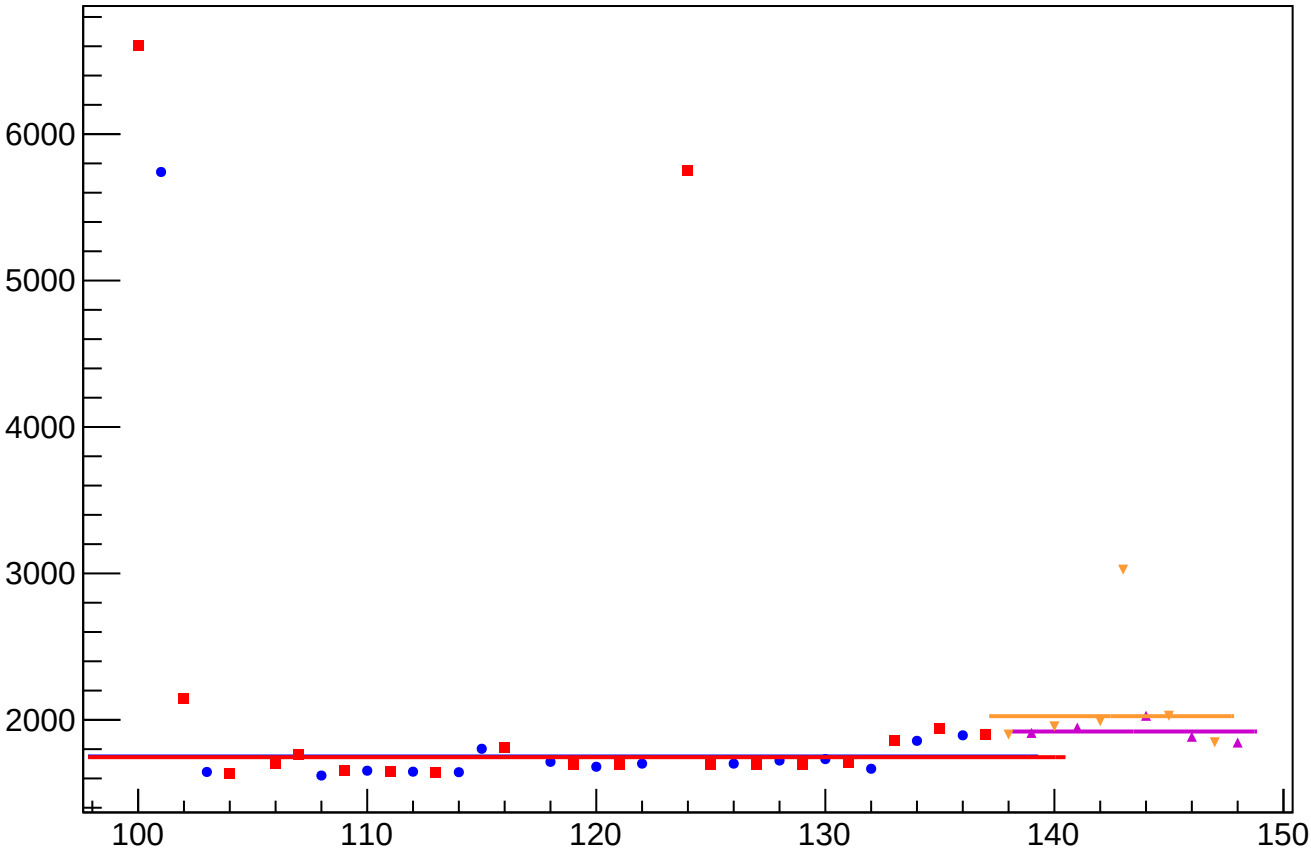
Left: 248.462+/-664.877 χ^2/NDF: 11.3/10

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 318.347+/-539.767 χ^2/NDF:23.7/20

Out: -19.604+/-541.821 χ^2/NDF:14.1/24

All: 150.013+/-382.397 χ^2/NDF: 38.0/45



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

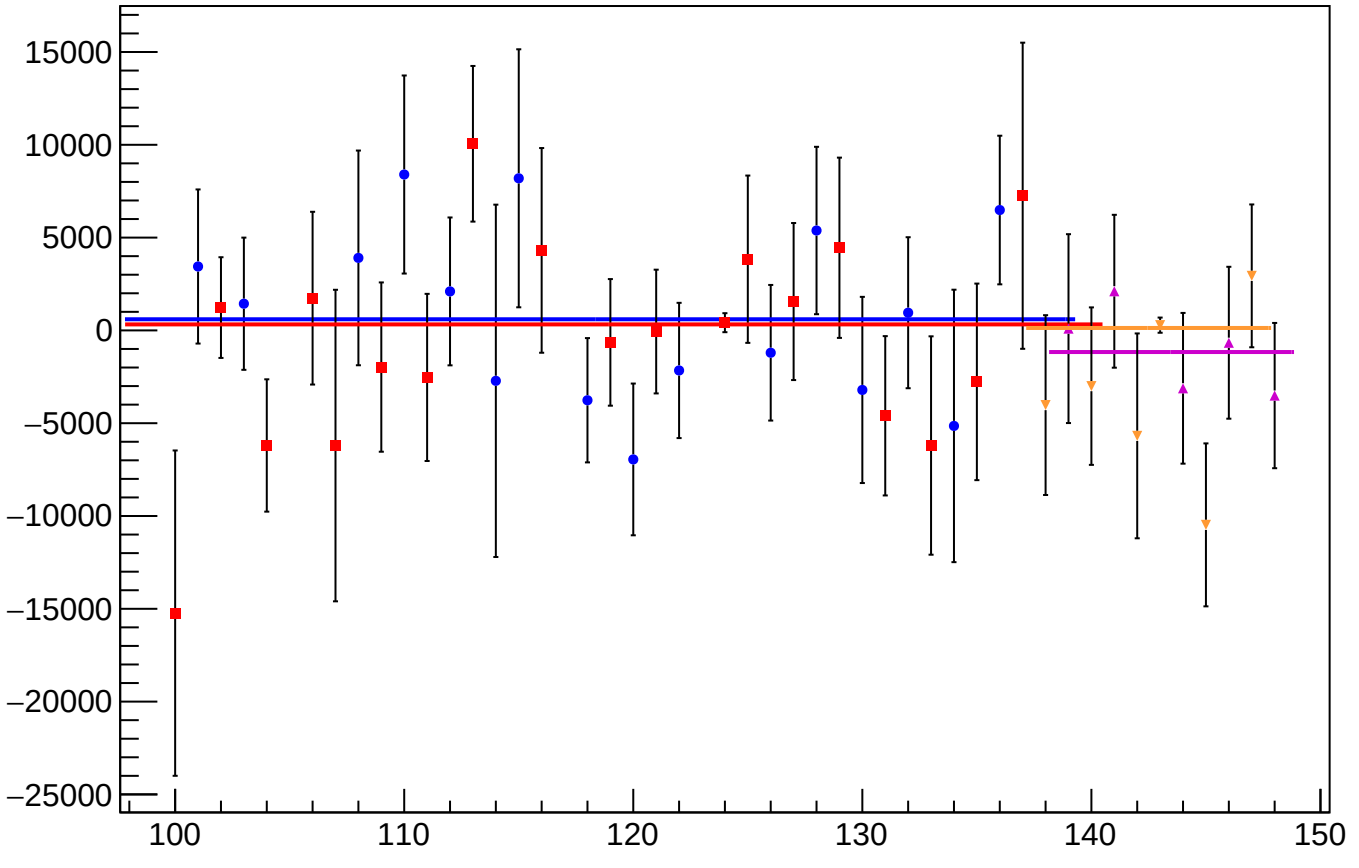
Left: 1970.391+/-0.470 χ^2/NDF: 224464.8/10

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1808.774+/-0.382 χ^2/NDF:723654.7/20

Out: 1833.306+/-0.382 χ^2/NDF:616992.8/24

All: 1821.025+/-0.270 χ^2/NDF: 1342710.6/45



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 130.999+/-400.817 χ^2/NDF:8.9/5

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1165.523+/-1878.997 χ^2/NDF:1.3/4

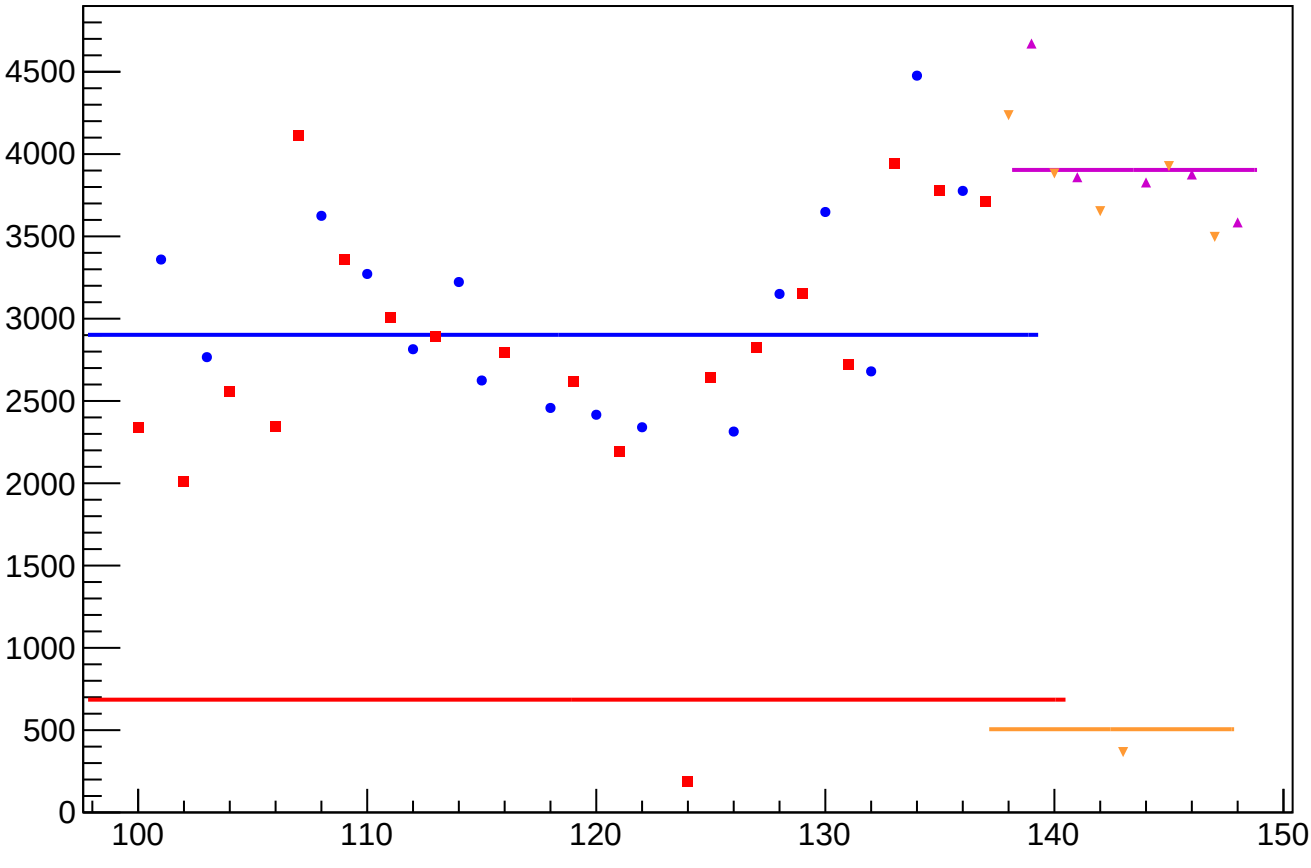
Left: 74.571+/-391.997 χ^2/NDF: 10.7/10

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 149.441+/-949.375 χ^2/NDF:16.8/20

Out: 214.165+/-301.869 χ^2/NDF:28.0/24

All: 208.222+/-287.677 χ^2/NDF: 44.8/45



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 505.668+/-0.283 χ^2/NDF:5757753.9/5

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

Left: 653.561+/-0.277 χ^2/NDF: 12073931.1/10

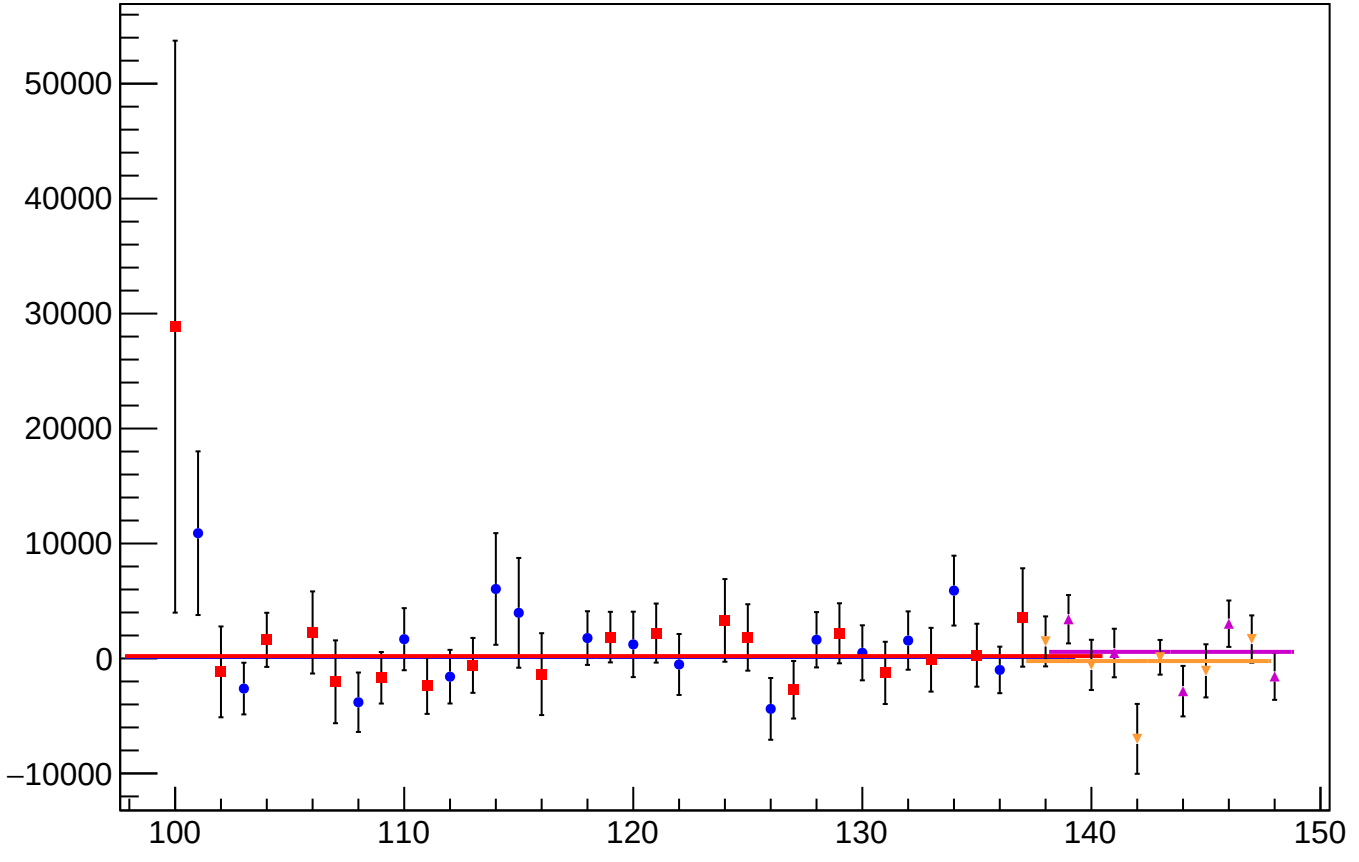
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3157.627+/-0.671 χ^2/NDF:964229.3/20

Out: 583.391+/-0.213 χ^2/NDF:16037319.6/24

All: 819.757+/-0.203 χ^2/NDF: 30355920.6/45

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -225.812+/-847.540 χ^2/NDF:6.7/5

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 574.580+/-934.976 χ^2/NDF:6.8/4

Left: 135.217+/-627.943 χ^2/NDF: 13.9/10

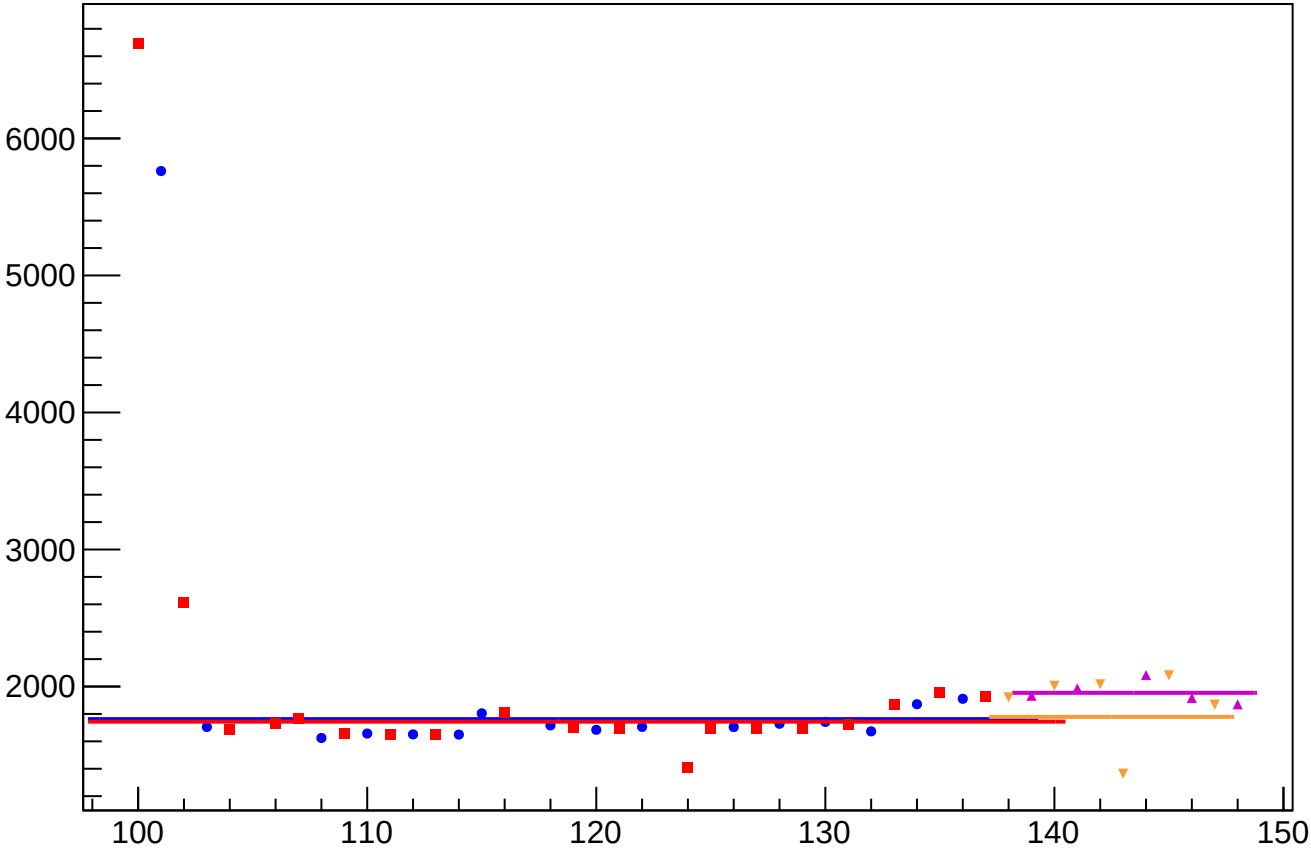
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 283.852+/-545.475 χ^2/NDF:24.2/20

Out: 44.344+/-517.992 χ^2/NDF:16.5/24

All: 157.913+/-375.616 χ^2/NDF: 40.9/45

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1778.417+/-0.599 χ^2/NDF:231335.0/5

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1954.053+/-0.661 χ^2/NDF:11774.0/4

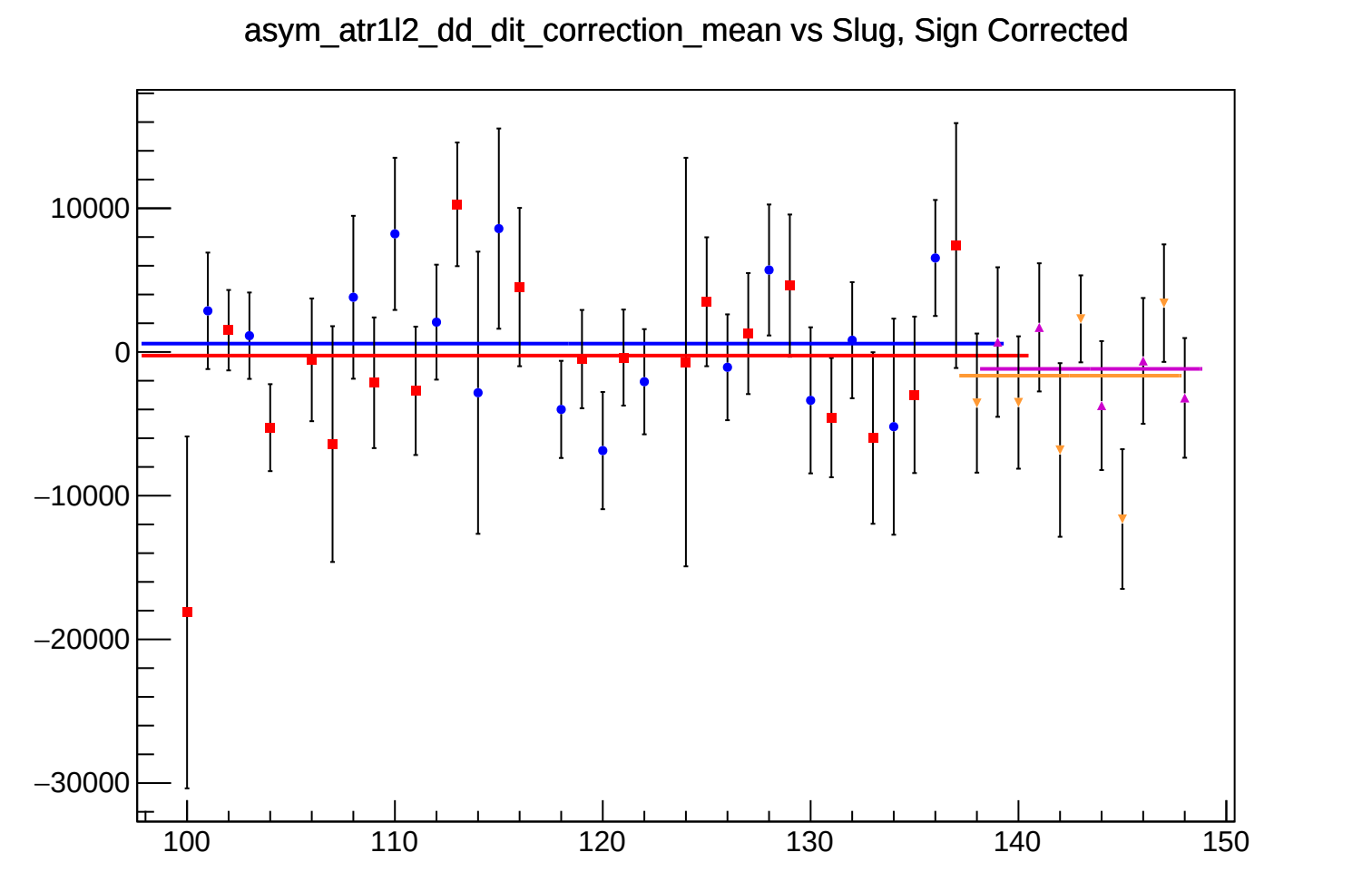
Left: 1857.641+/-0.444 χ^2/NDF: 281850.6/10

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1827.403+/-0.386 χ^2/NDF:735104.6/20

Out: 1756.636+/-0.366 χ^2/NDF:461201.1/24

All: 1790.128+/-0.265 χ^2/NDF: 1214036.7/45



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1648.872+/-1744.799 χ^2/NDF:8.5/5

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1176.113+/-2013.452 χ^2/NDF:1.1/4

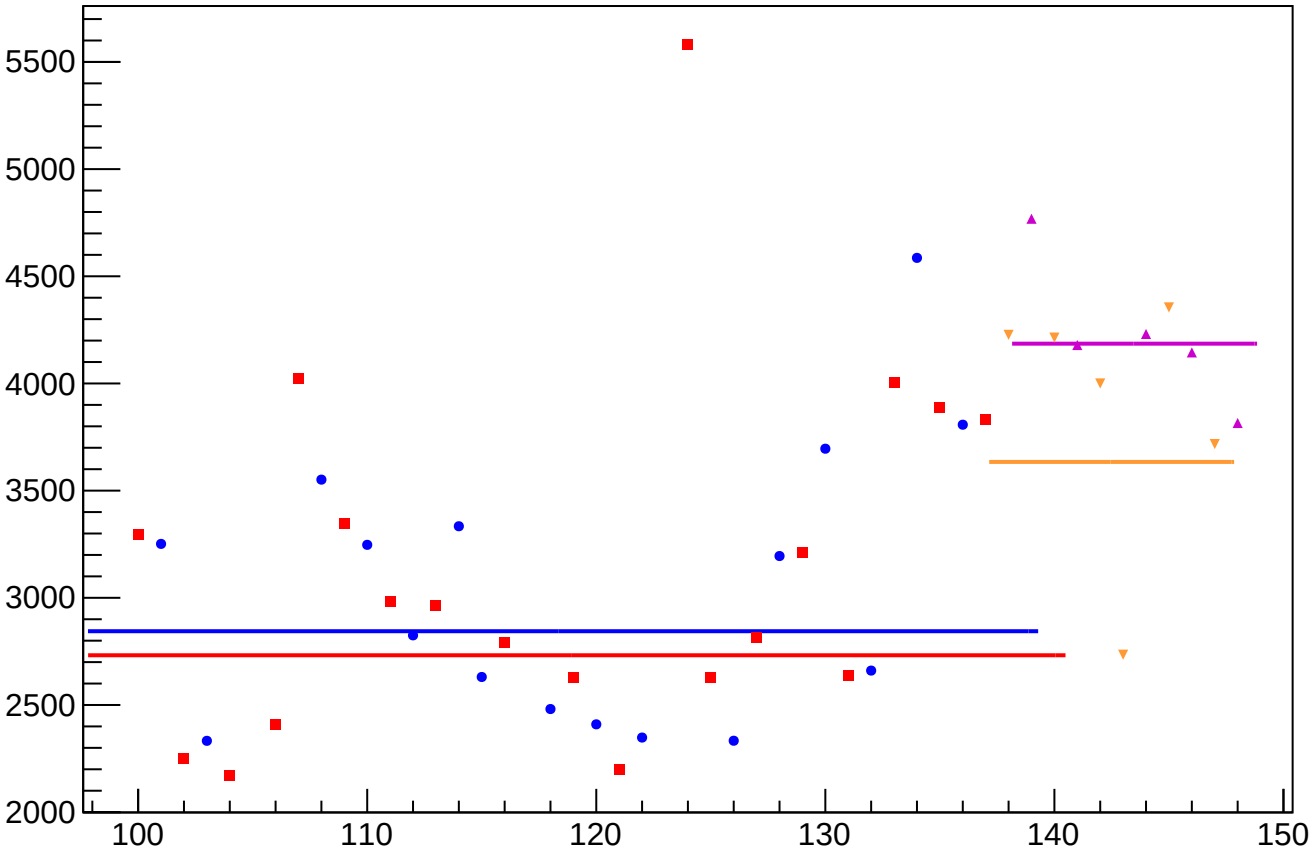
Left: -1446.115+/-1318.588 χ^2/NDF: 9.7/10

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 188.519+/-952.743 χ^2/NDF:16.6/20

Out: -606.994+/-881.222 χ^2/NDF:26.9/24

All: -240.214+/-646.927 χ^2/NDF: 43.9/45



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3633.970+/-1.234 χ^2/NDF:290448.7/5

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4185.660+/-1.424 χ^2/NDF:41258.9/4

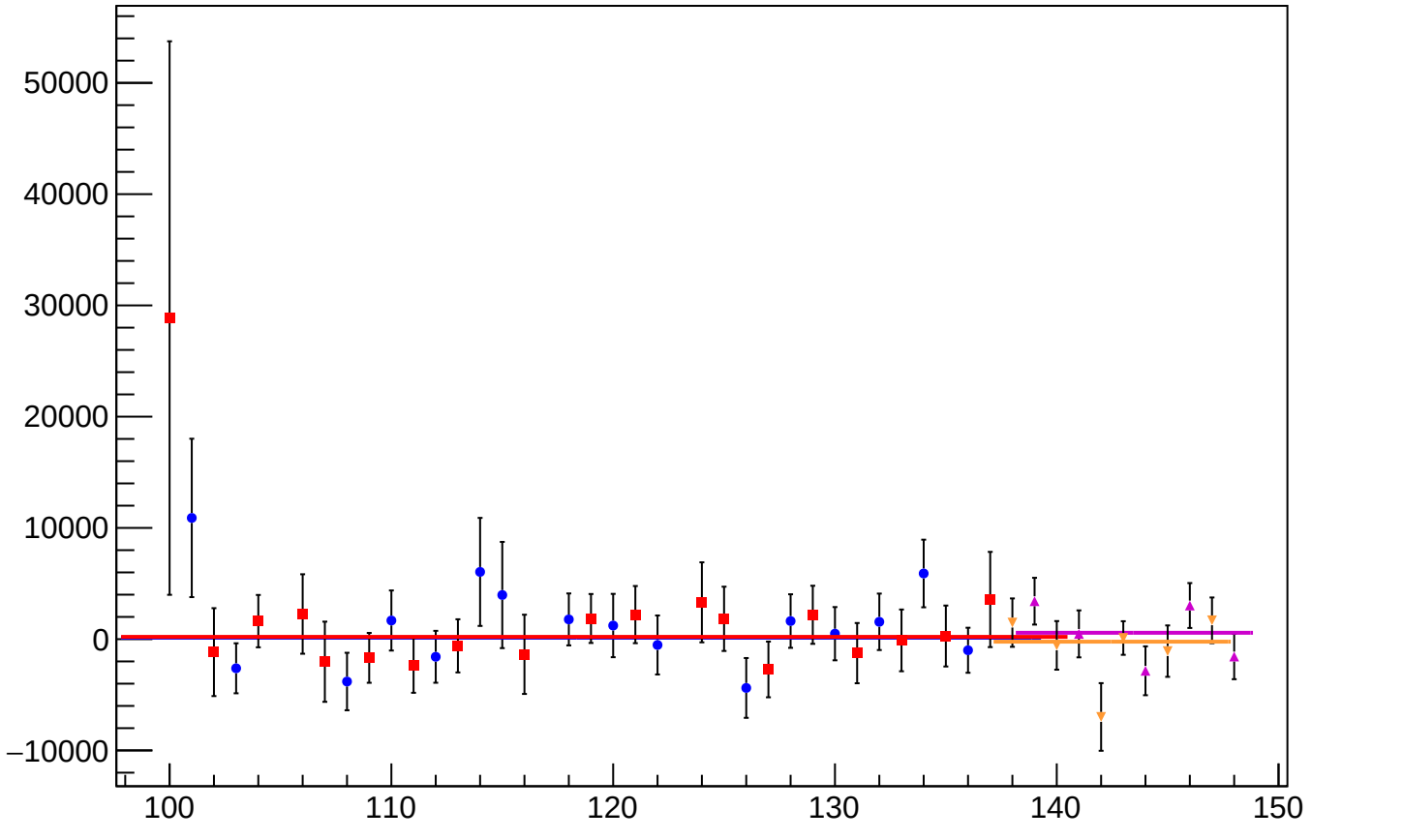
Left: 3870.578+/-0.932 χ^2/NDF: 417463.7/10

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3144.526+/-0.674 χ^2/NDF:1272335.1/20

Out: 2962.059+/-0.623 χ^2/NDF:1299879.9/24

All: 3046.188+/-0.457 χ^2/NDF: 2611750.2/45



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -225.821+/-847.540 χ^2/NDF:6.7/5

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 574.576+/-934.977 χ^2/NDF:6.8/4

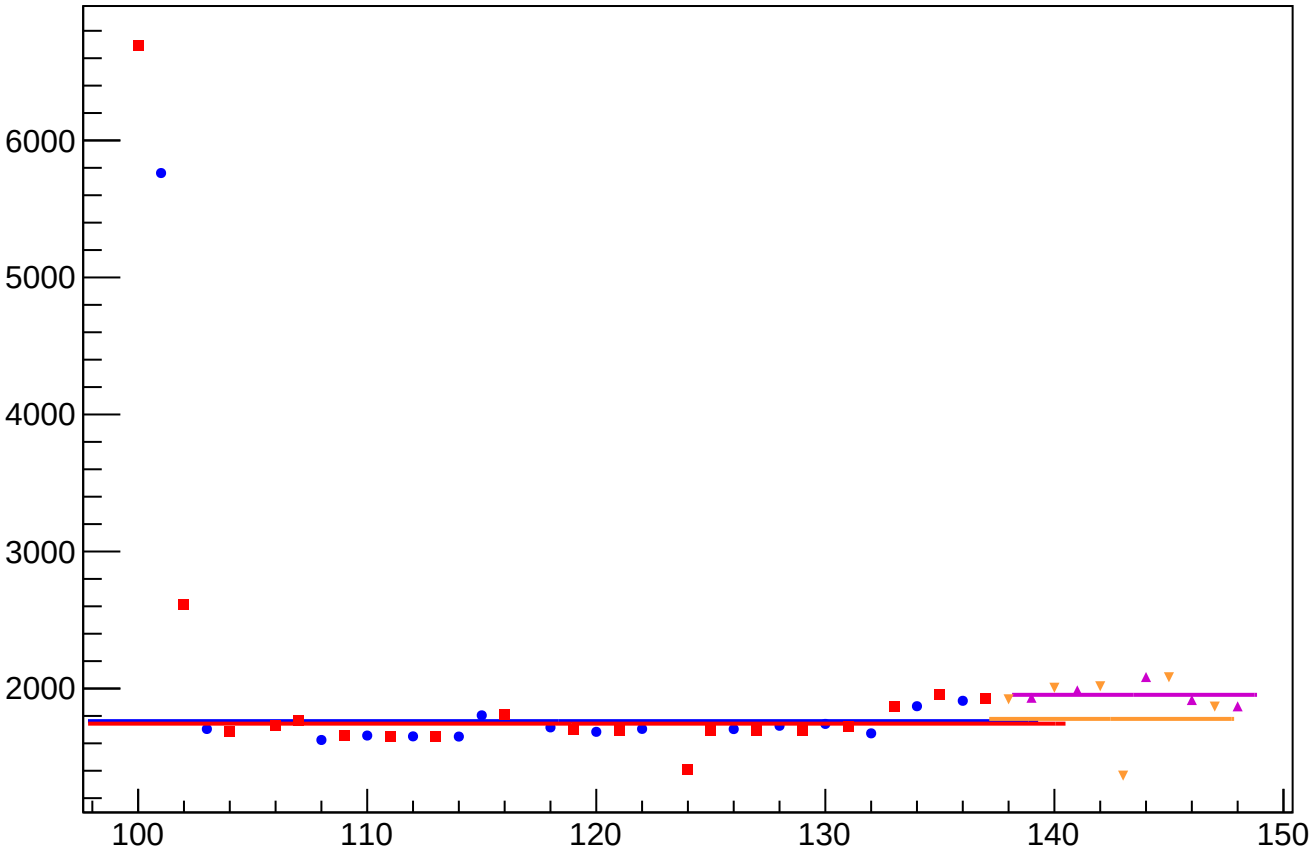
Left: 135.210+/-627.944 χ^2/NDF: 13.9/10

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 283.850+/-545.475 χ^2/NDF:24.2/20

Out: 44.340+/-517.992 χ^2/NDF:16.5/24

All: 157.909+/-375.616 χ^2/NDF: 40.9/45



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1778.418+/-0.599 χ^2/NDF:231335.9/5

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1954.054+/-0.661 χ^2/NDF:11774.2/4

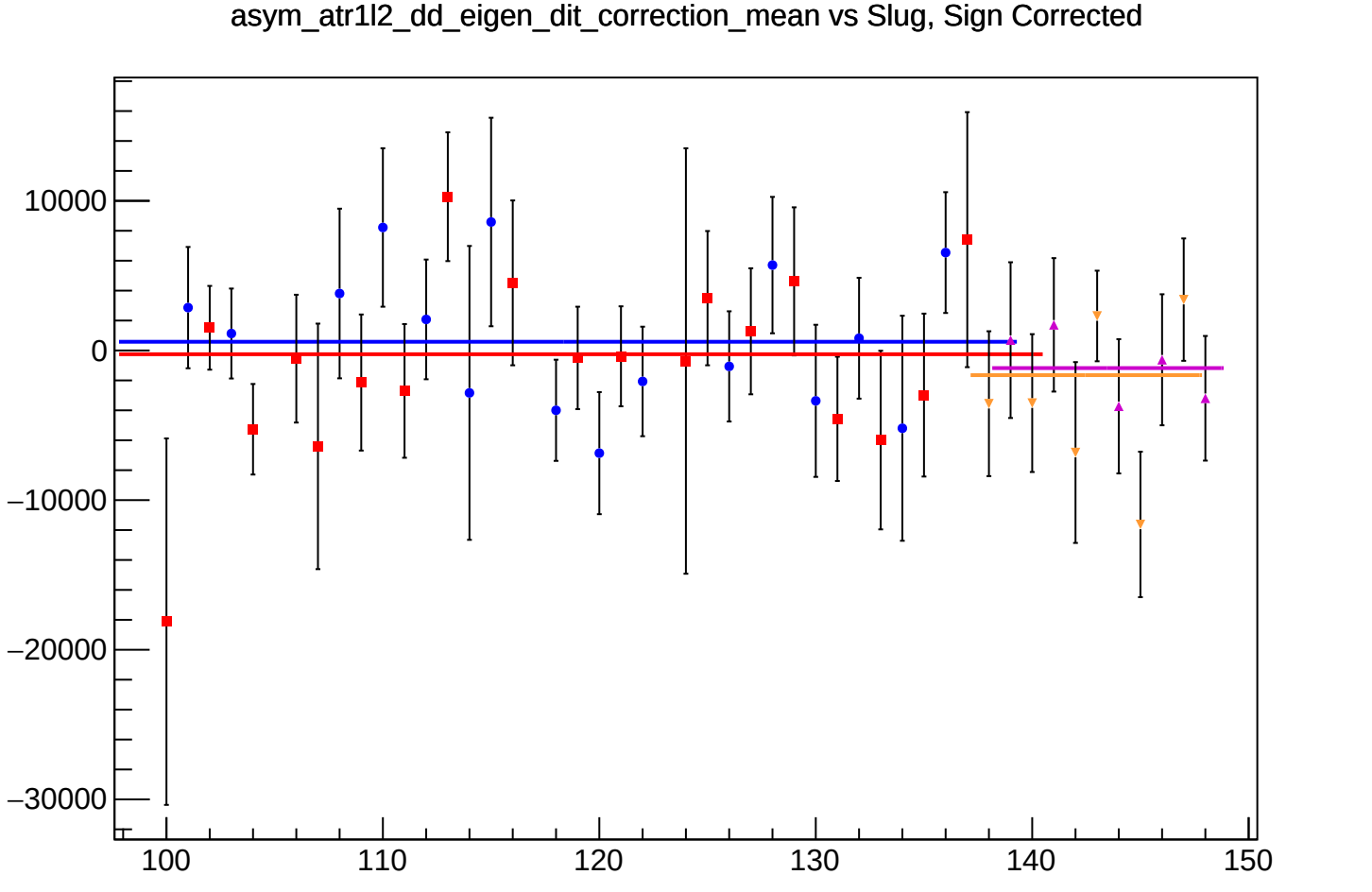
Left: 1857.641+/-0.444 χ^2/NDF: 281851.7/10

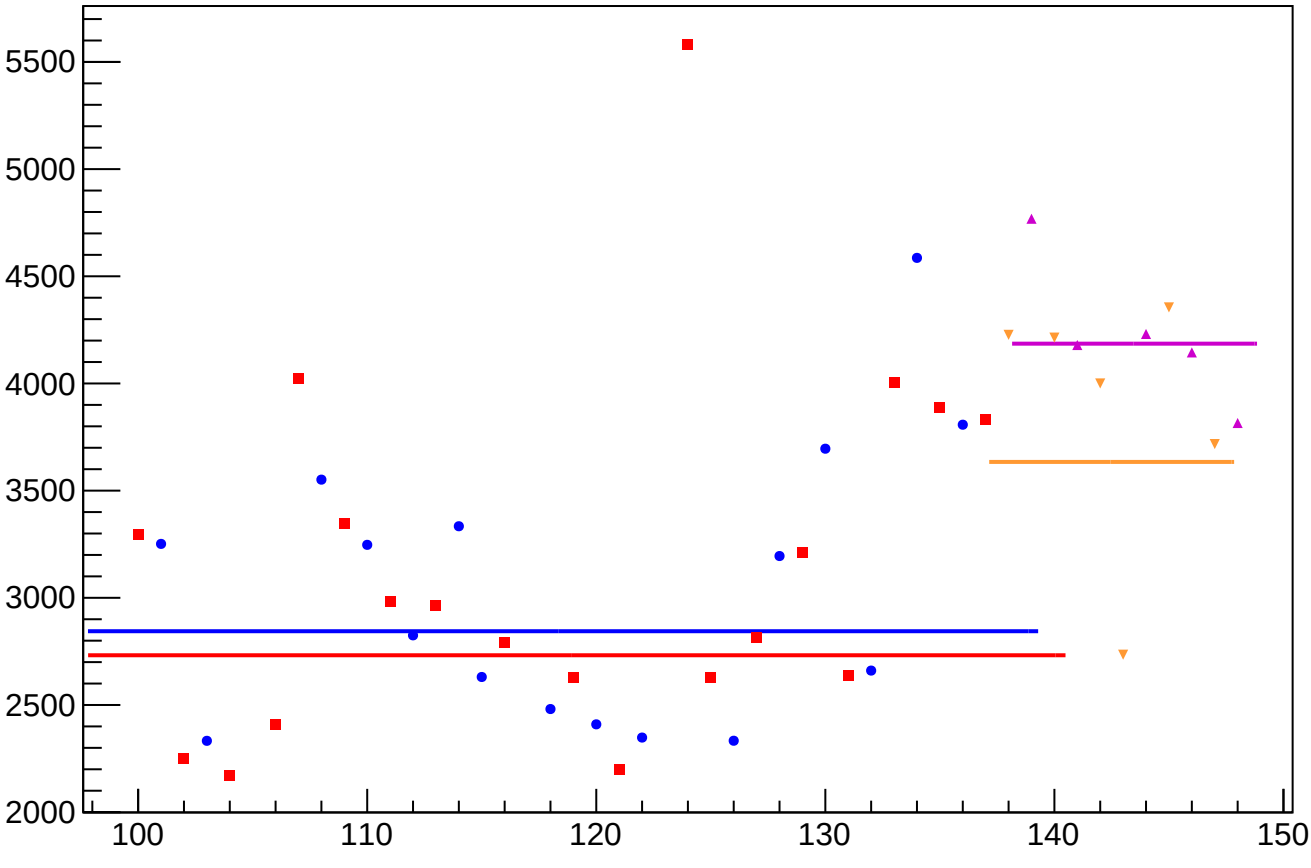
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1827.403+/-0.386 χ^2/NDF:735105.2/20

Out: 1756.636+/-0.366 χ^2/NDF:461202.1/24

All: 1790.128+/-0.265 χ^2/NDF: 1214038.3/45


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: -1648.870+/-1744.802 χ²/NDF:8.5/5
Right Out: -250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: -1176.115+/-2013.456 χ²/NDF:1.1/4
Left: -1446.115+/-1318.590 χ²/NDF: 9.7/10
Right: 142.075+/-742.420 χ²/NDF: 33.1/34
In: 188.517+/-952.741 χ²/NDF:16.6/20
Out: -606.992+/-881.221 χ²/NDF:26.9/24
All: -240.214+/-646.926 χ²/NDF: 43.9/45



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3633.974+/-1.234 χ^2/NDF:290452.6/5

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4185.666+/-1.424 χ^2/NDF:41260.3/4

Left: 3870.584+/-0.932 χ^2/NDF: 417469.5/10

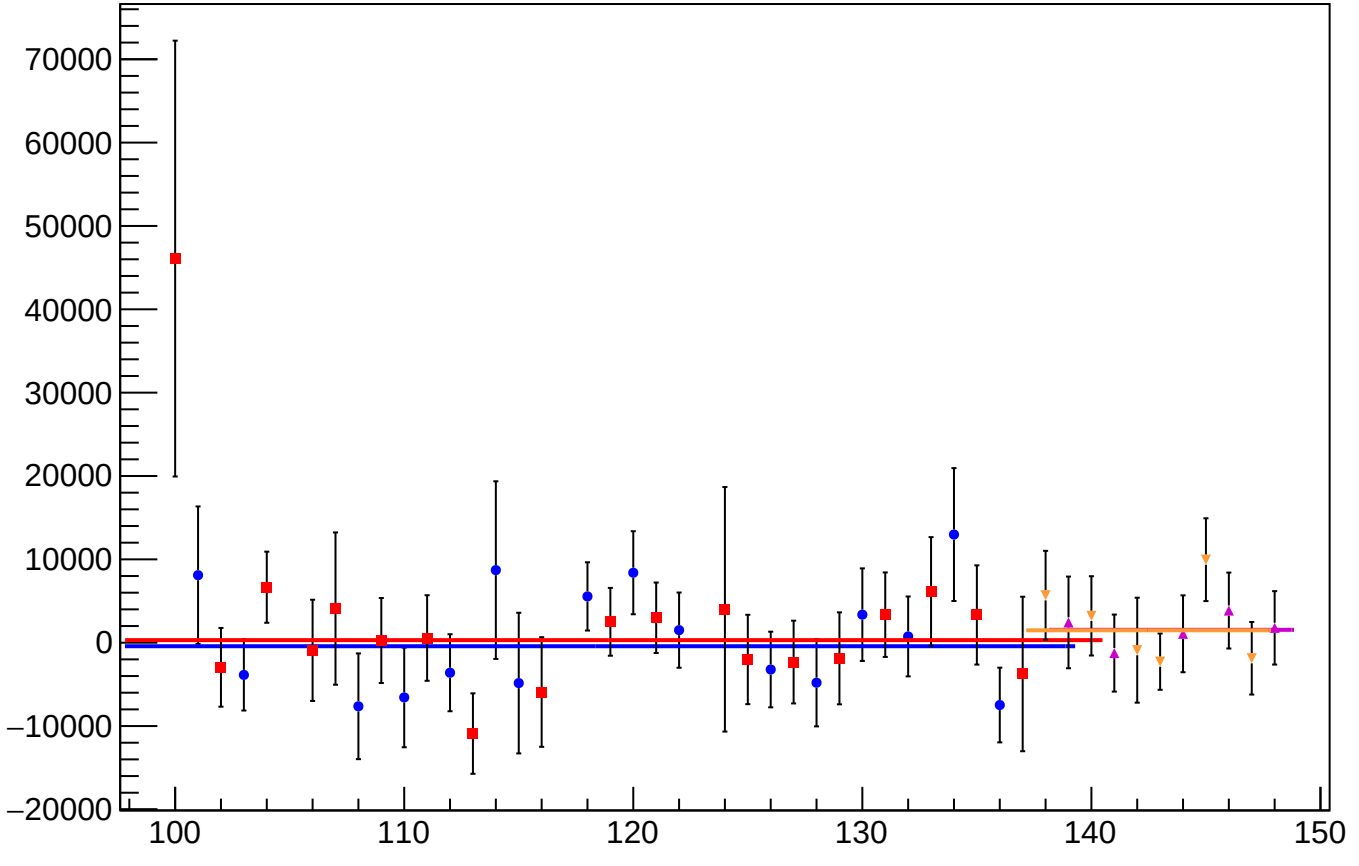
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3144.520+/-0.674 χ^2/NDF:1272353.8/20

Out: 2962.055+/-0.623 χ^2/NDF:1299889.4/24

All: 3046.182+/-0.457 χ^2/NDF: 2611777.7/45

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1488.611+/-1870.951 χ^2/NDF:5.6/5

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1545.155+/-2100.439 χ^2/NDF:0.7/4

Left: 1513.626+/-1397.079 χ^2/NDF: 6.3/10

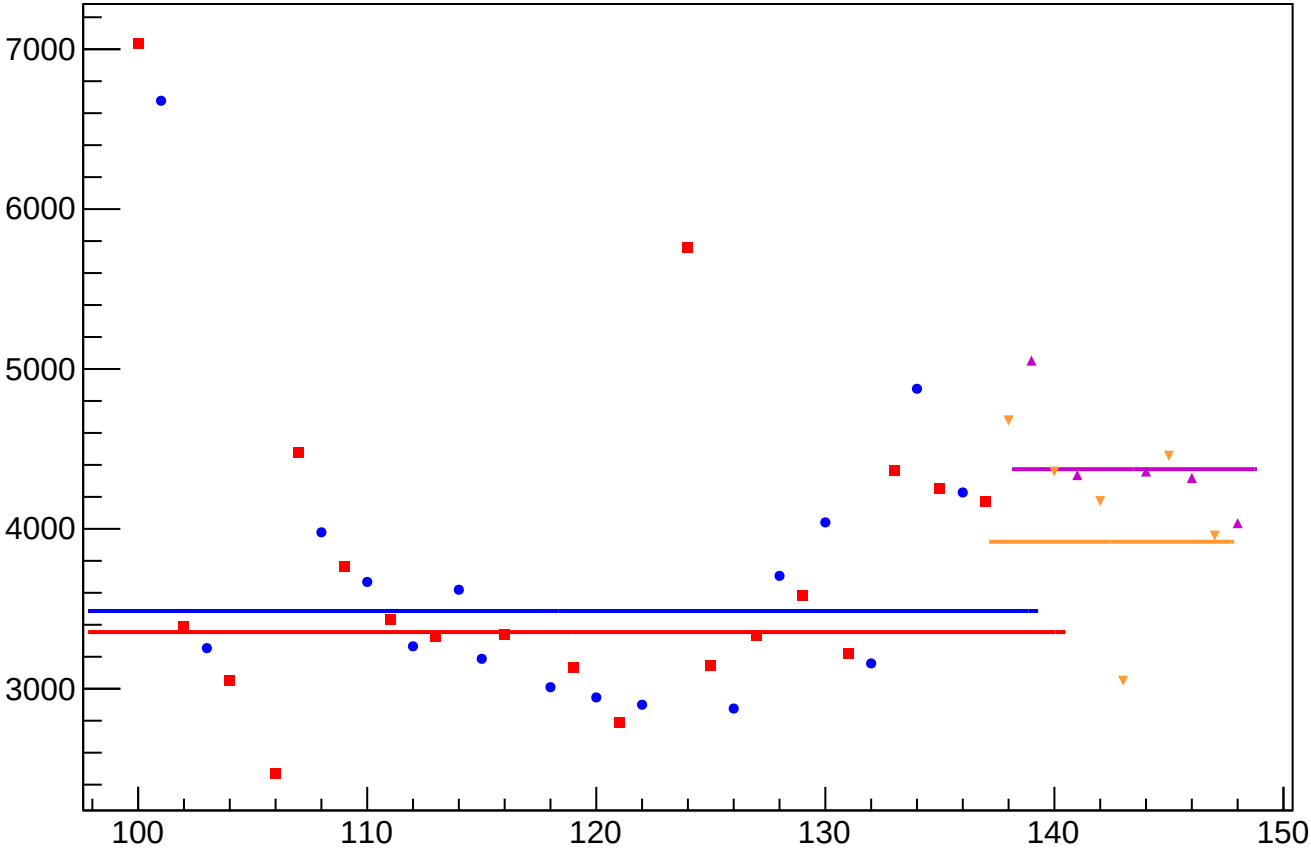
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 138.525+/-1122.021 χ^2/NDF:19.2/20

Out: 682.572+/-1054.015 χ^2/NDF:21.2/24

All: 427.535+/-768.218 χ^2/NDF: 40.5/45

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3919.272+/-1.323 χ^2/NDF:217059.5/5

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4373.369+/-1.485 χ^2/NDF:42658.2/4

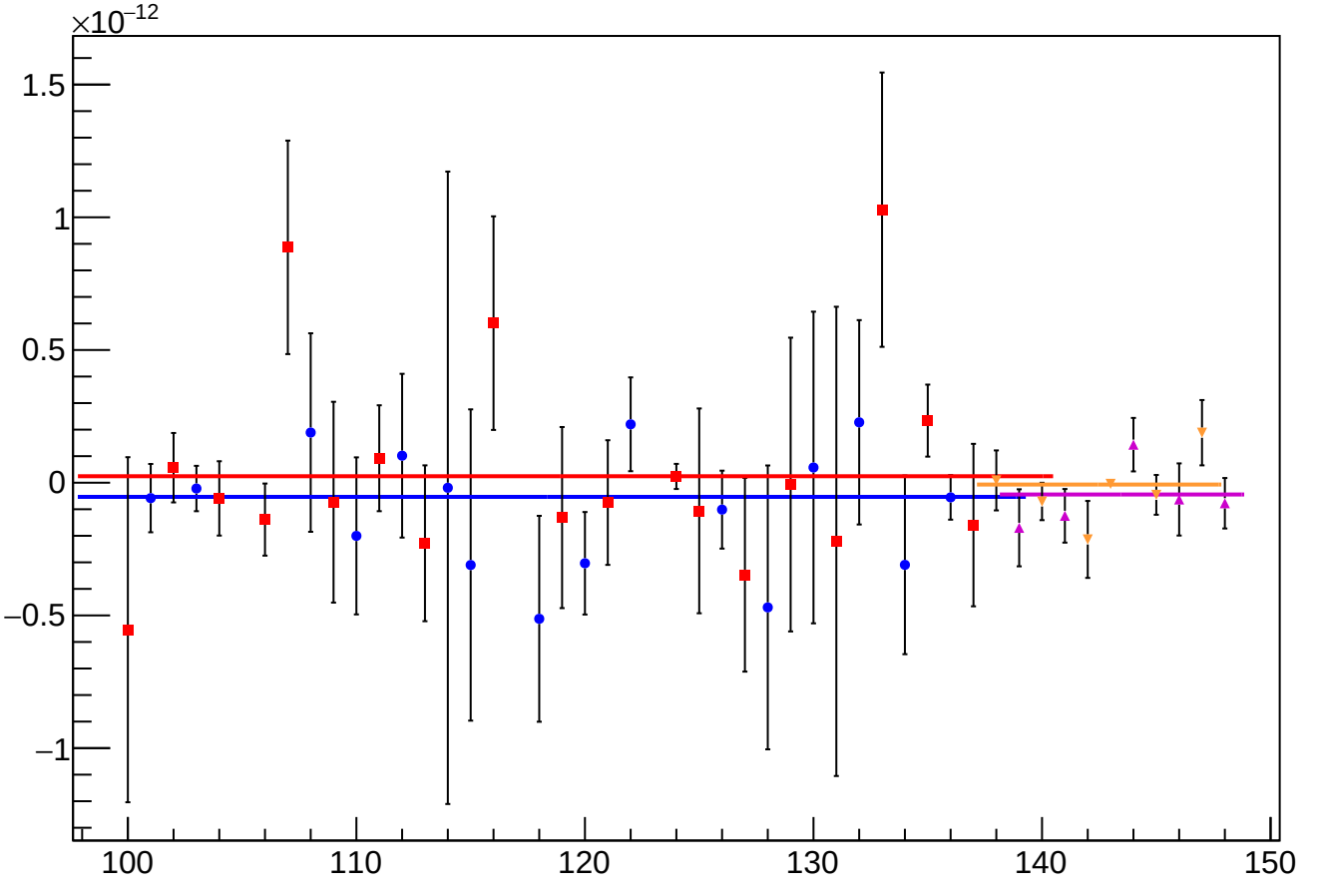
Left: 4120.167+/-0.988 χ^2/NDF: 311840.0/10

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3739.332+/-0.793 χ^2/NDF:893452.8/20

Out: 3530.274+/-0.738 χ^2/NDF:719025.8/24

All: 3627.274+/-0.540 χ^2/NDF: 1649695.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

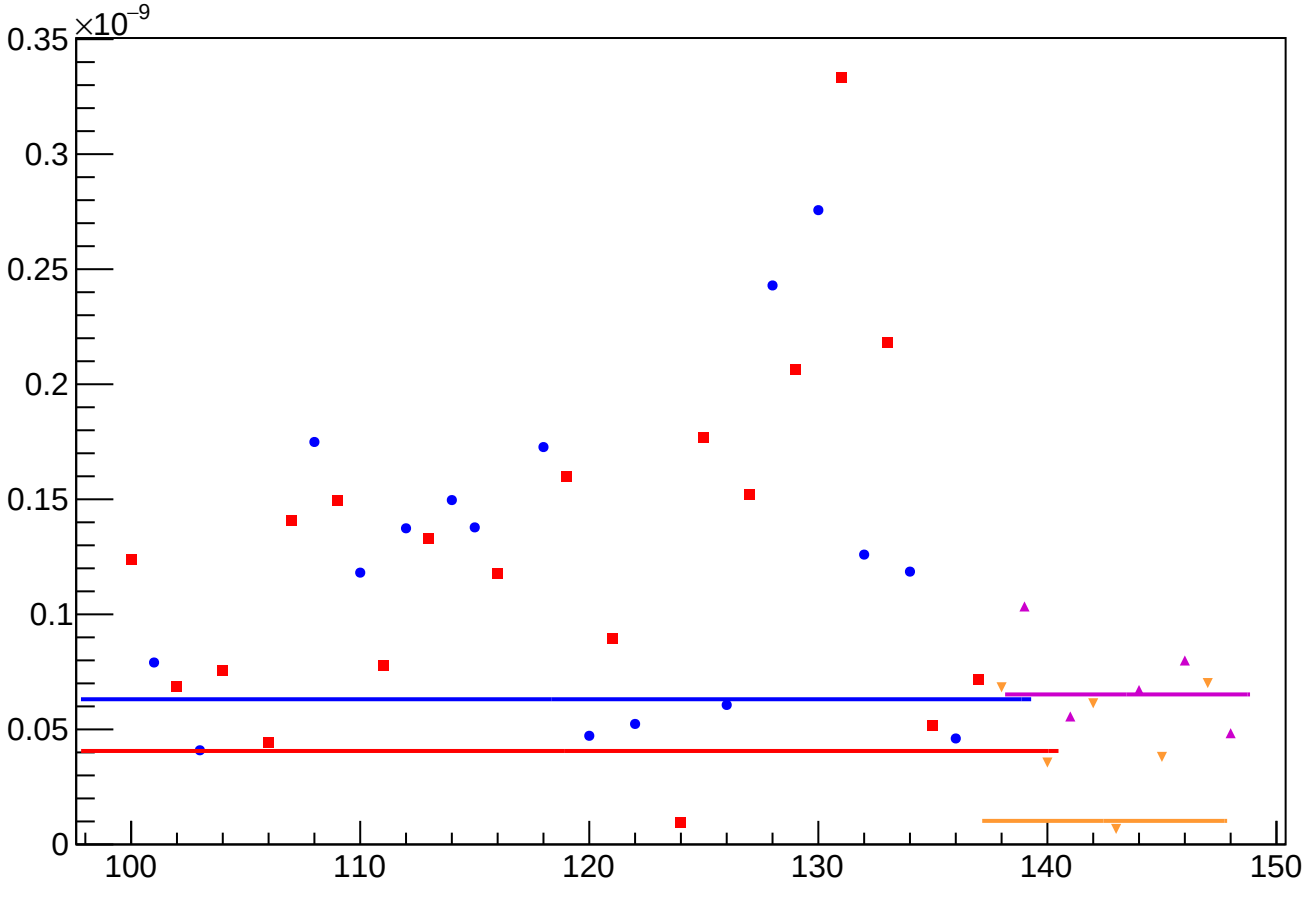
Left: -0.000+/-0.000 χ^2/NDF: 11.2/10

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:13.6/20

Out: -0.000+/-0.000 χ^2/NDF:24.8/24

All: -0.000+/-0.000 χ^2/NDF: 40.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1931857.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:243942.0/4

Left: 0.000+/-0.000 χ^2/NDF: 4500789.5/10

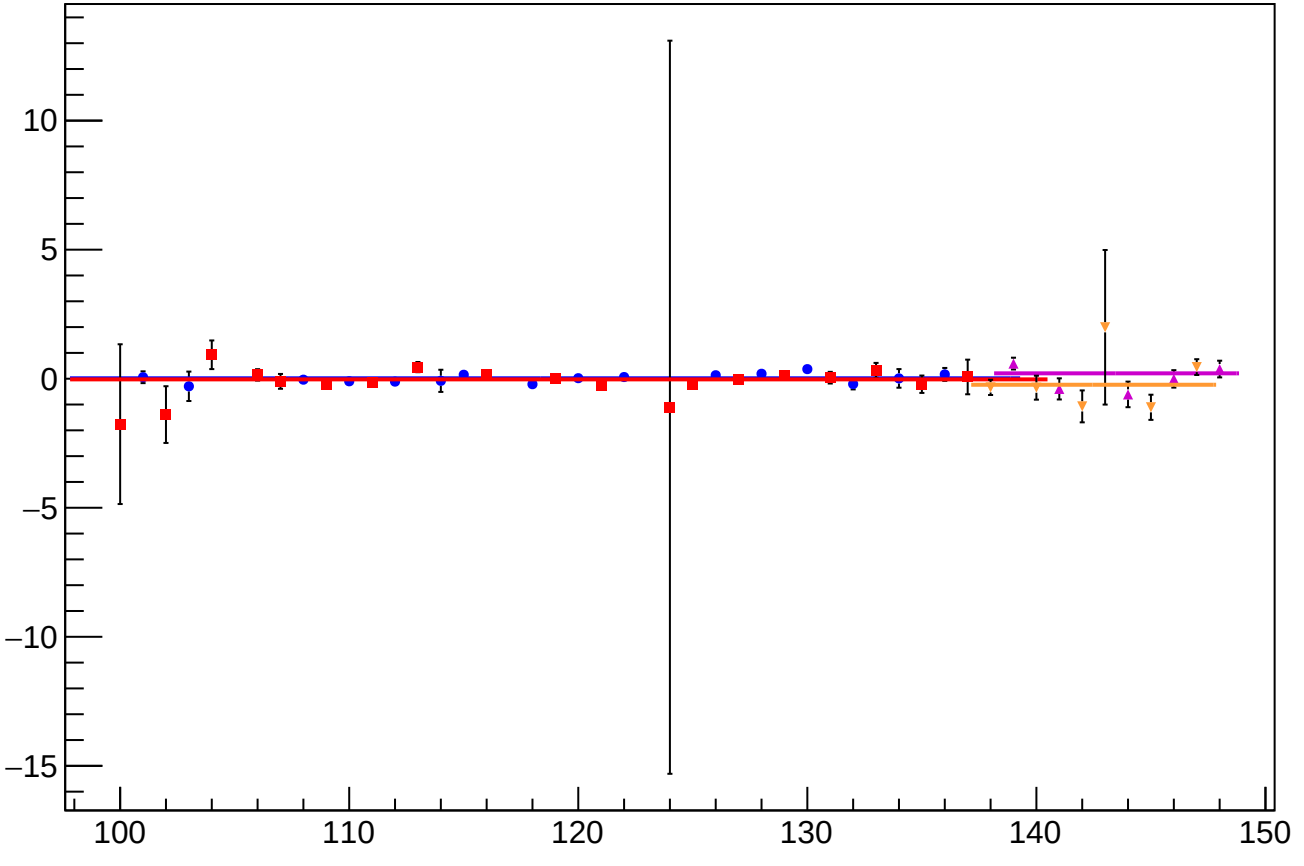
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1677950.2/20

Out: 0.000+/-0.000 χ^2/NDF:6396103.3/24

All: 0.000+/-0.000 χ^2/NDF: 12233218.1/45

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

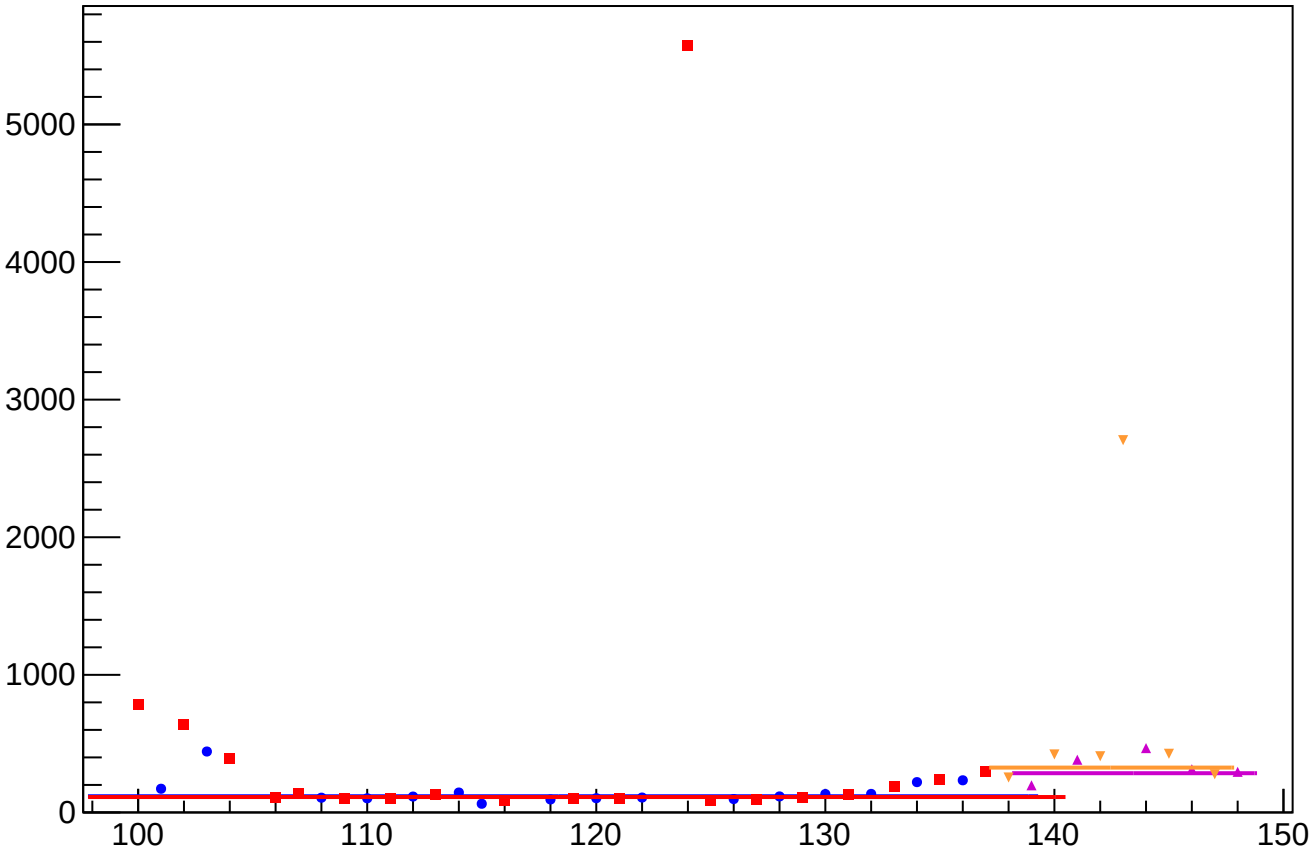
Left: 0.024+/-0.111 χ^2/NDF: 22.9/10

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.003+/-0.032 χ^2/NDF: 57.2/45



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 326.032+/-0.122 χ^2/NDF:1637316.6/5

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

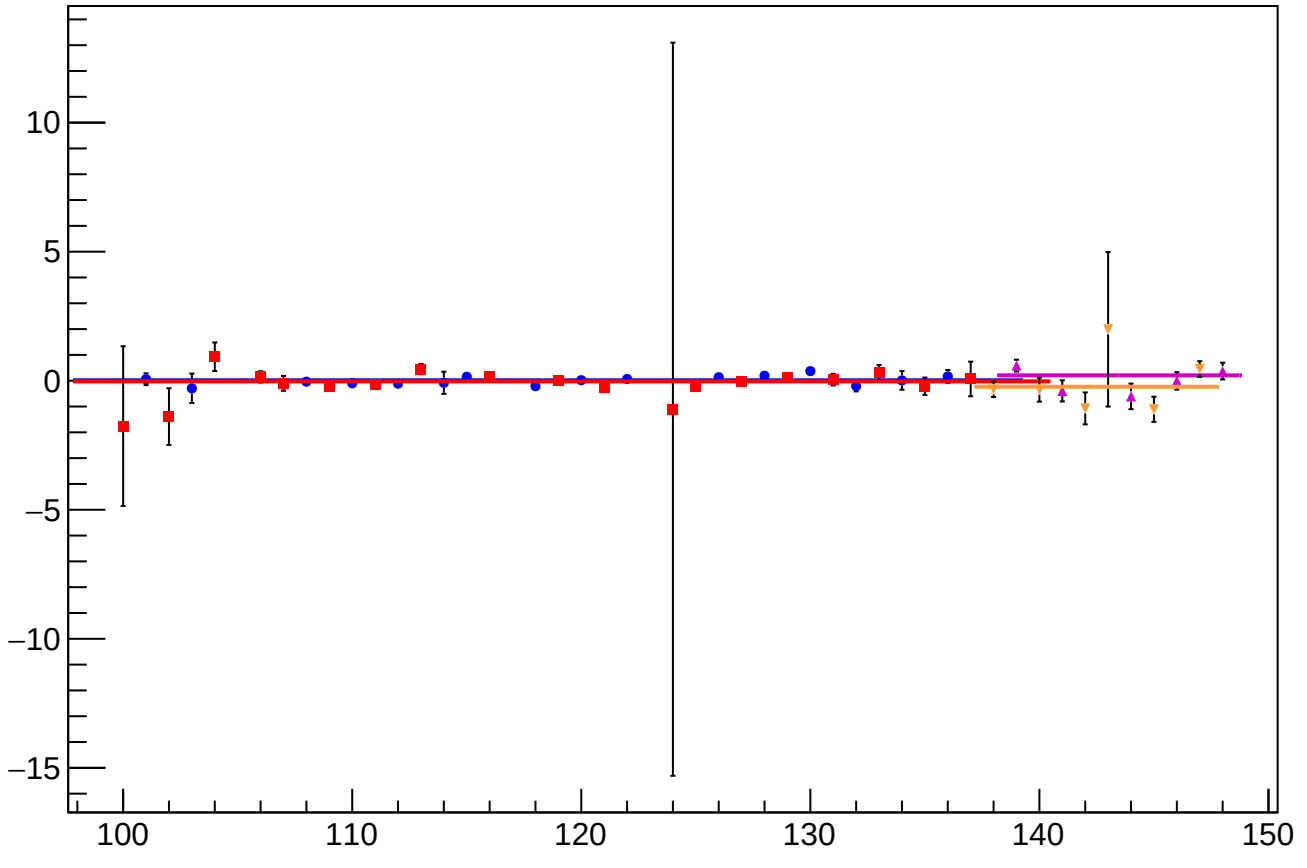
Left: 302.194+/-0.078 χ^2/NDF: 2400935.9/10

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 134.086+/-0.032 χ^2/NDF:4821920.5/20

Out: 126.874+/-0.032 χ^2/NDF:6699578.0/24

All: 130.457+/-0.023 χ^2/NDF: 11546795.3/45



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

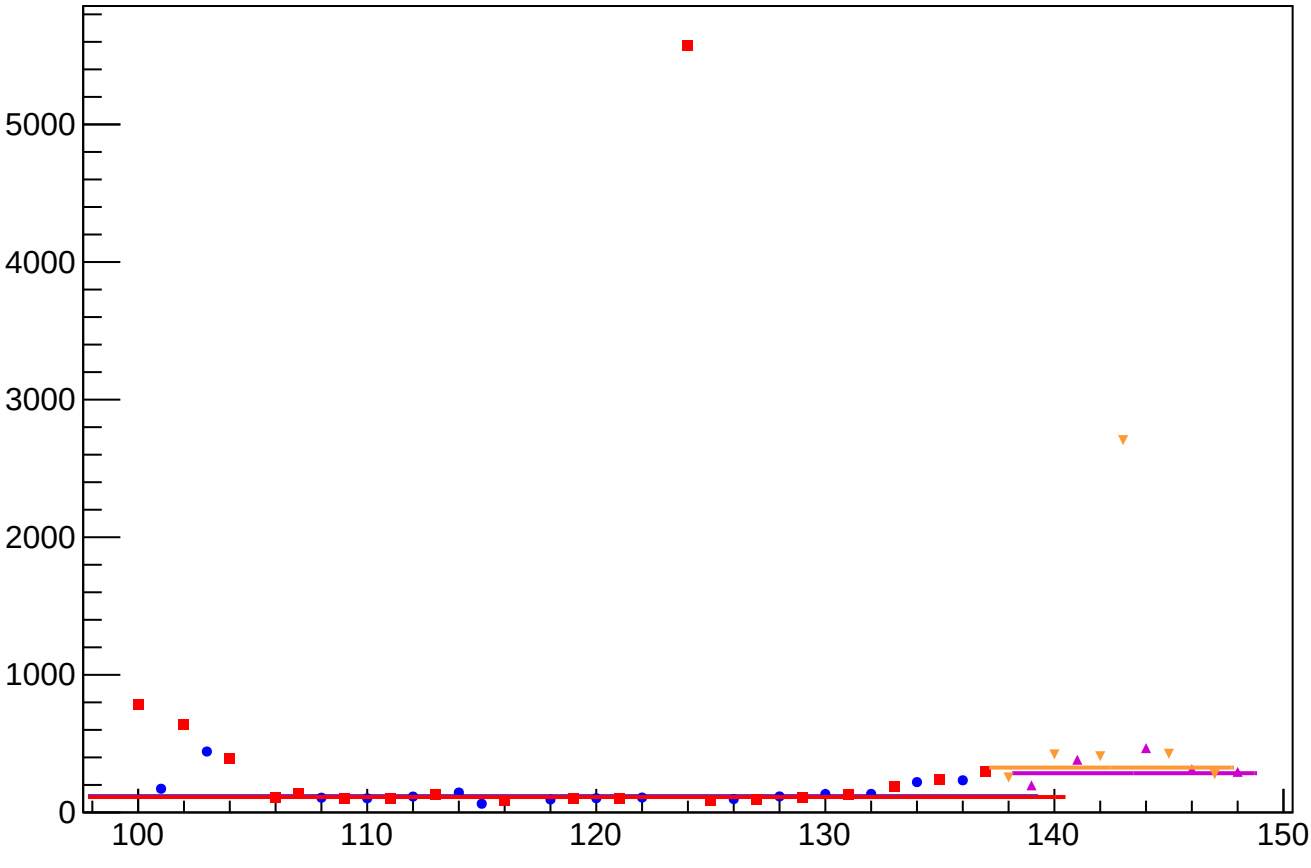
Left: 0.024+/-0.111 χ^2/NDF: 22.9/10

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.003+/-0.032 χ^2/NDF: 57.2/45



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 326.032+/-0.122 χ^2/NDF:1637316.6/5

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

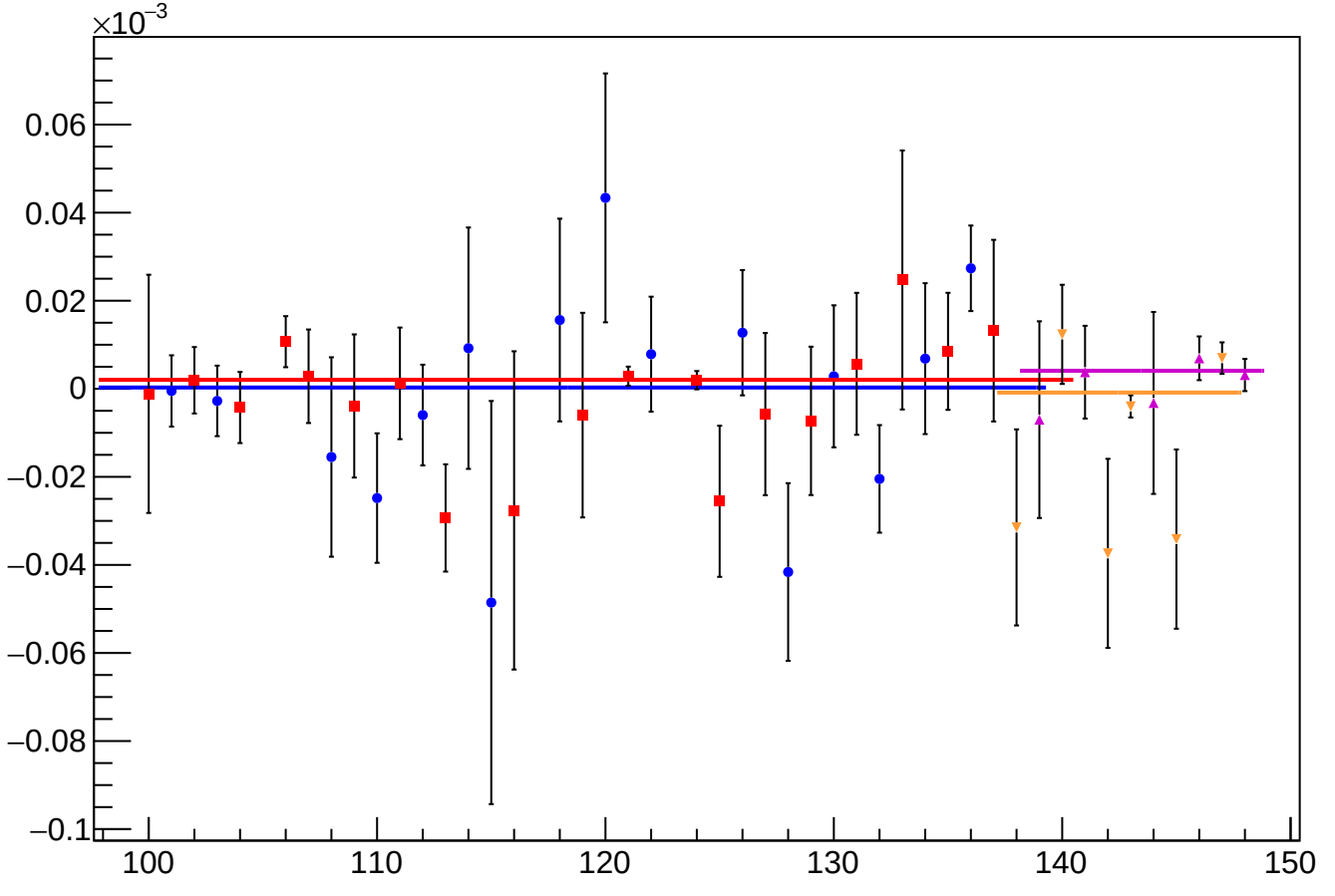
Left: 302.194+/-0.078 χ^2/NDF: 2400935.9/10

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 134.086+/-0.032 χ^2/NDF:4821920.5/20

Out: 126.874+/-0.032 χ^2/NDF:6699578.0/24

All: 130.457+/-0.023 χ^2/NDF: 11546795.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/4

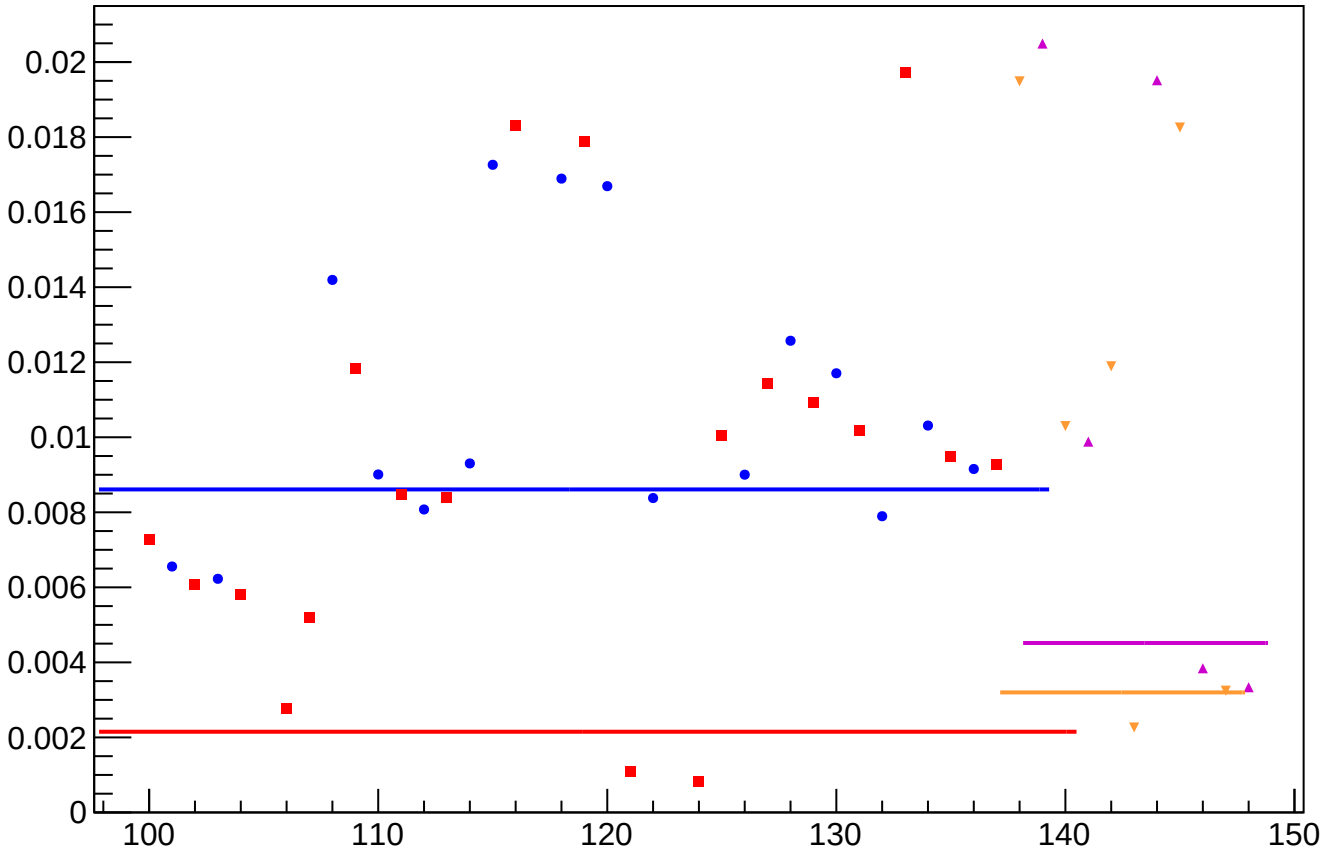
Left: 0.000+/-0.000 χ^2/NDF: 18.0/10

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:25.6/20

Out: 0.000+/-0.000 χ^2/NDF:31.4/24

All: 0.000+/-0.000 χ^2/NDF: 57.4/45



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3563361.6/5

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:2840632.5/4

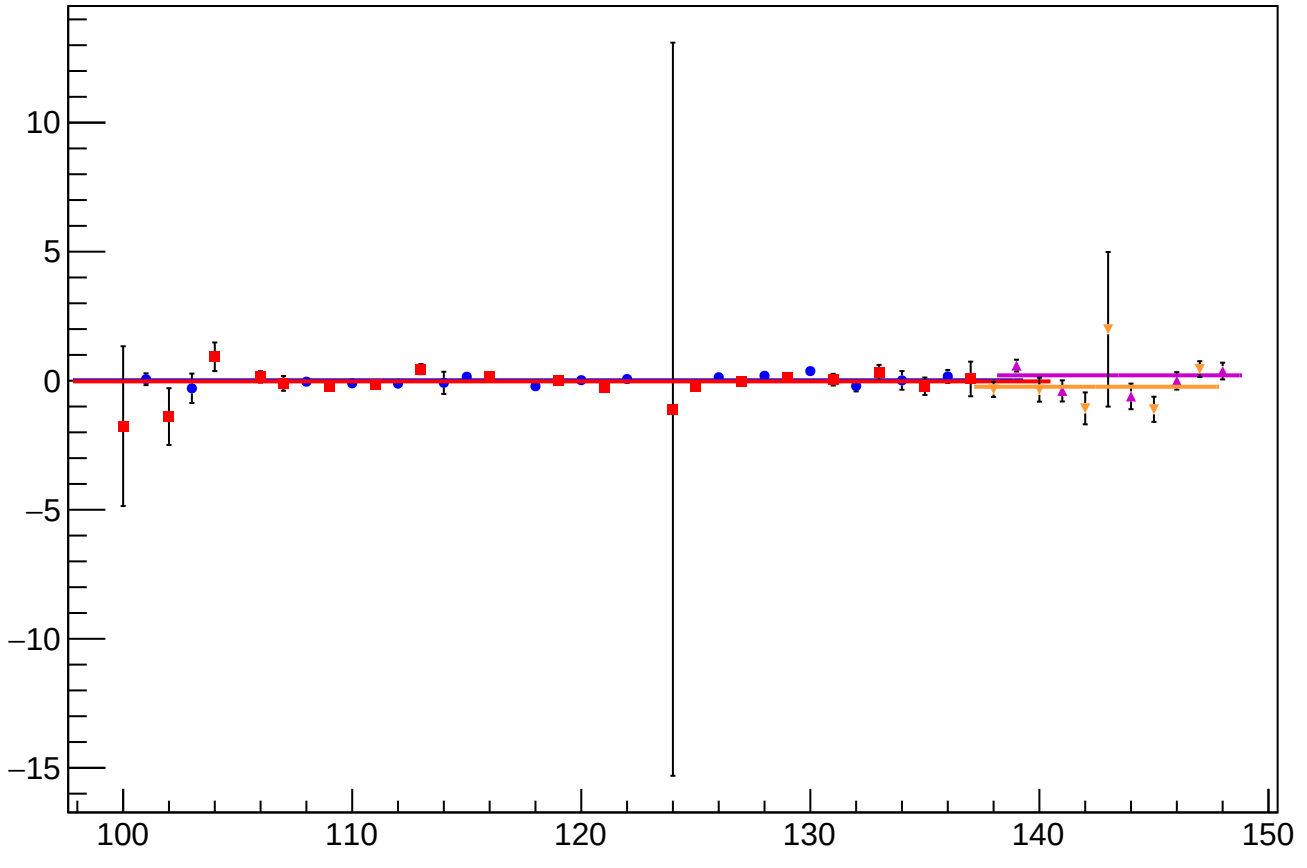
Left: 0.004+/-0.000 χ^2/NDF: 6699129.0/10

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.006+/-0.000 χ^2/NDF:5703363.7/20

Out: 0.002+/-0.000 χ^2/NDF:13030549.6/24

All: 0.003+/-0.000 χ^2/NDF: 23415231.4/45



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

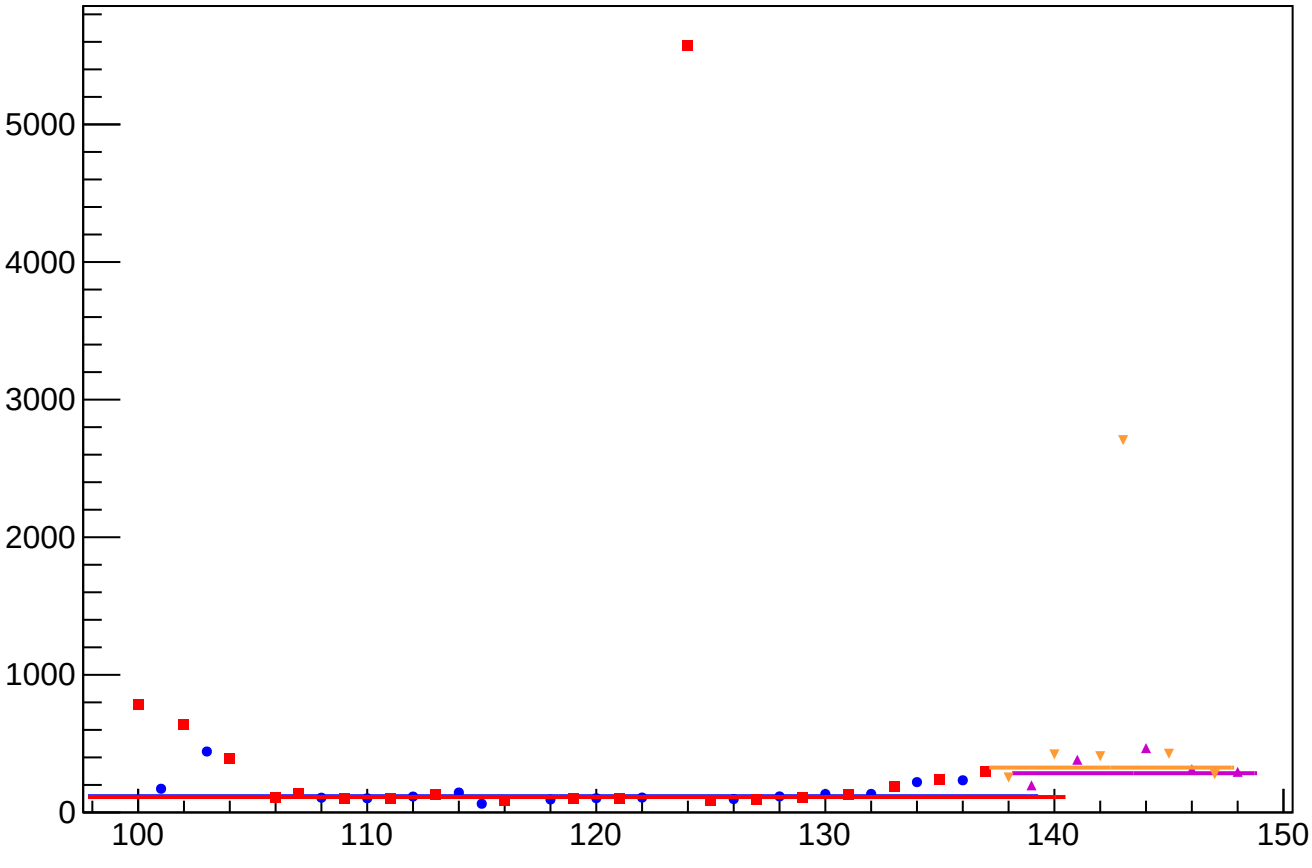
Left: 0.024+/-0.111 χ^2/NDF: 22.9/10

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.003+/-0.032 χ^2/NDF: 57.2/45



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 326.035+/-0.122 χ^2/NDF:1637334.2/5

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.227+/-0.103 χ^2/NDF:697933.3/4

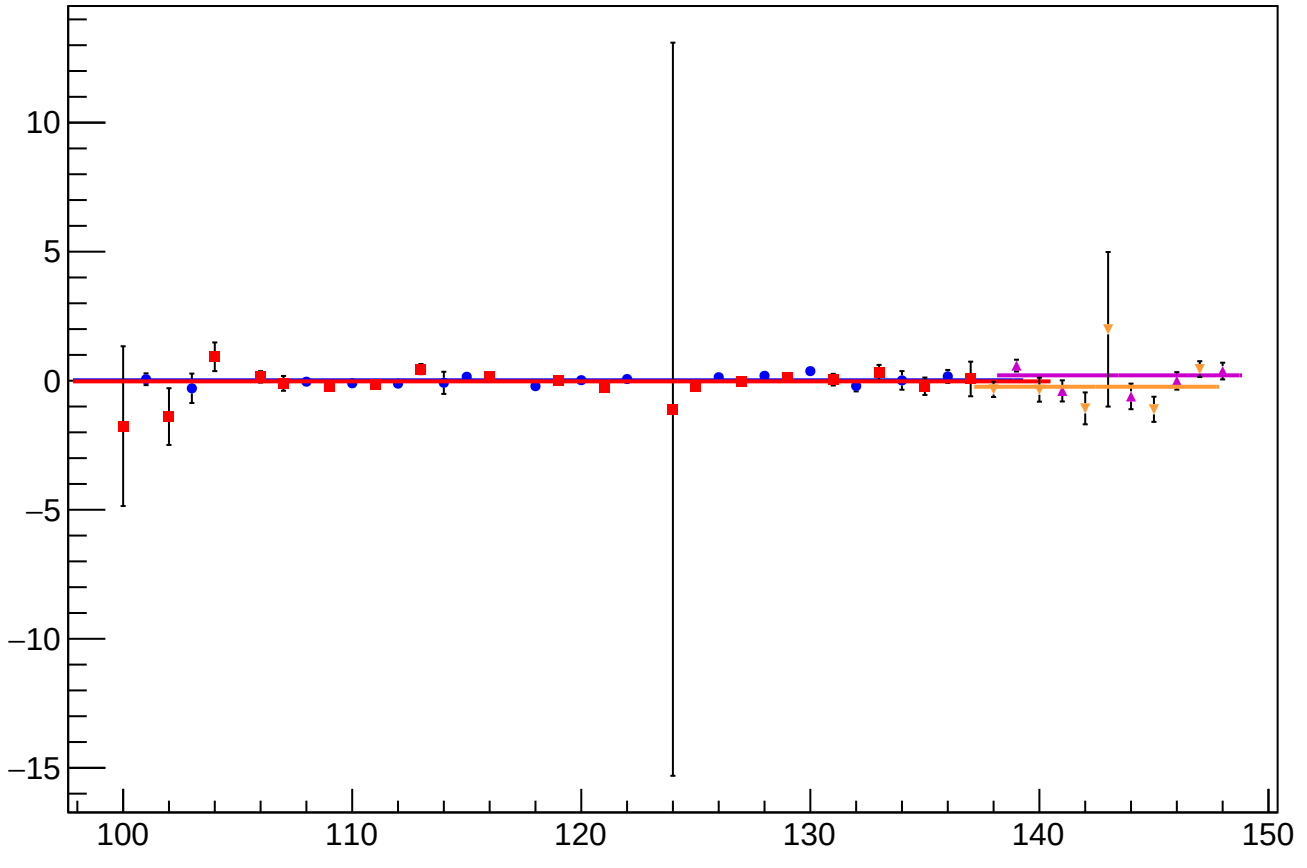
Left: 302.198+/-0.078 χ^2/NDF: 2400933.4/10

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 134.086+/-0.032 χ^2/NDF:4821924.4/20

Out: 126.876+/-0.032 χ^2/NDF:6699505.3/24

All: 130.458+/-0.023 χ^2/NDF: 11546714.1/45



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

Left: 0.024+/-0.111 χ^2/NDF: 22.9/10

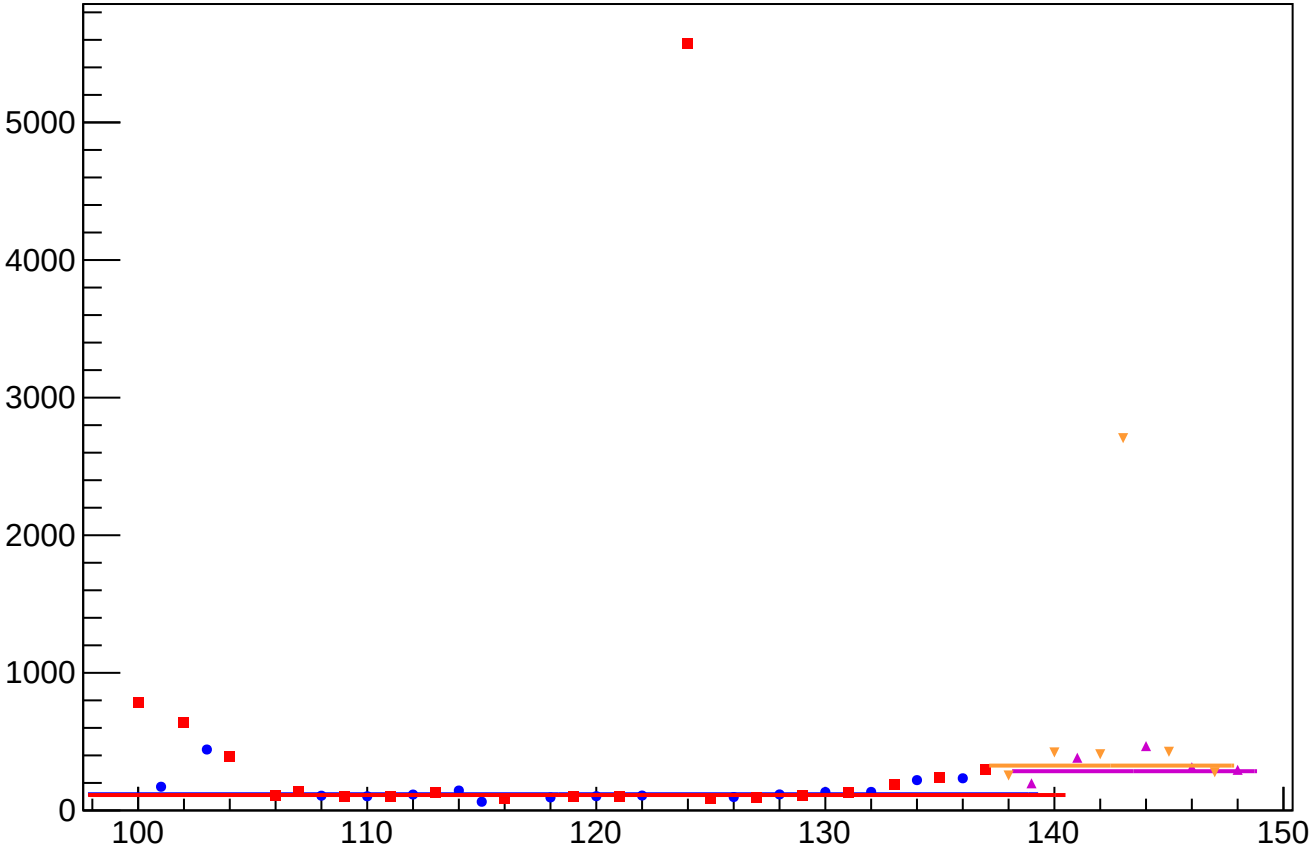
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.003+/-0.032 χ^2/NDF: 57.2/45

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: 326.035+/-0.122 χ^2/NDF:1637334.2/5

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.227+/-0.103 χ^2/NDF:697933.3/4

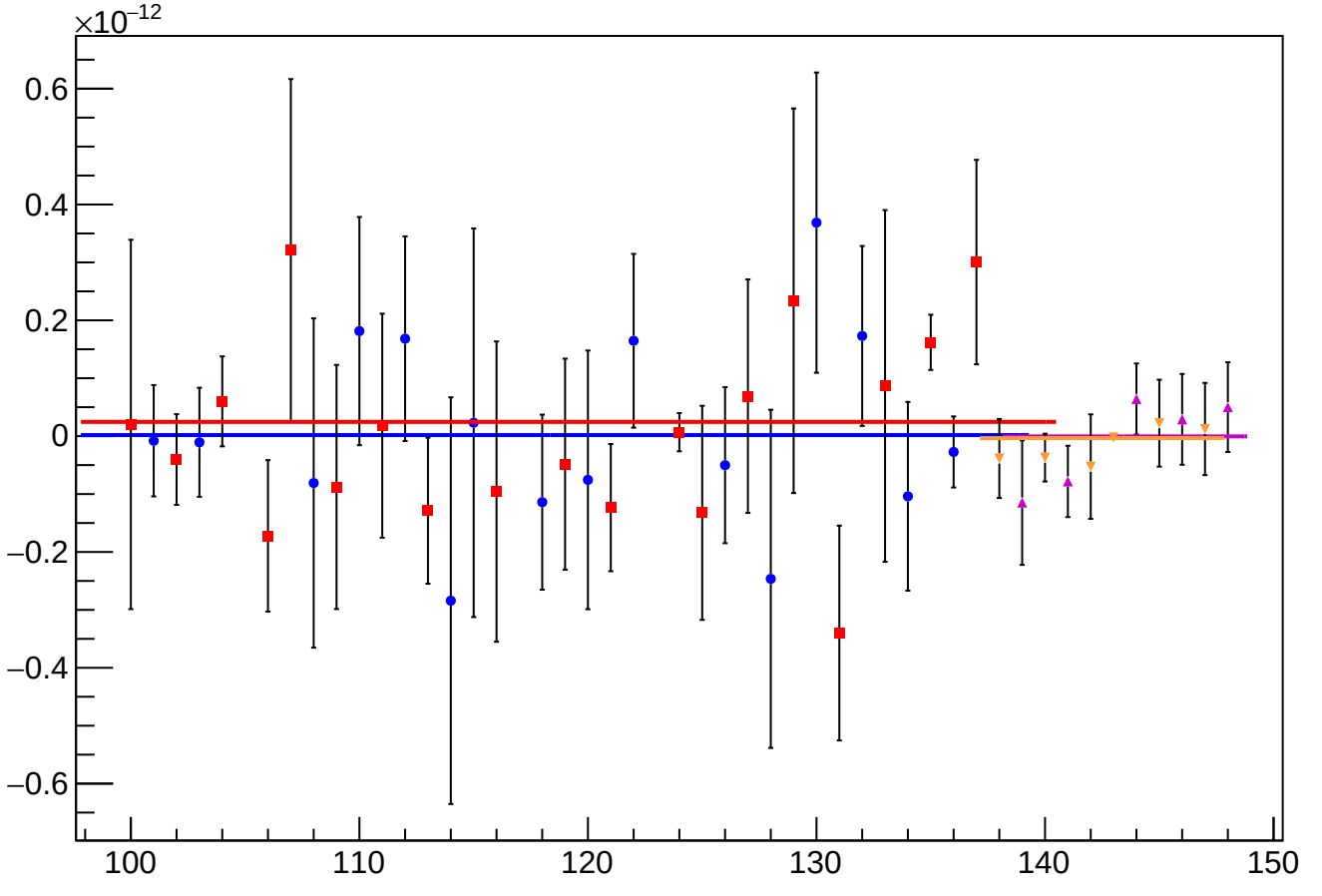
Left: 302.198+/-0.078 χ^2/NDF: 2400933.4/10

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 134.086+/-0.032 χ^2/NDF:4821924.4/20

Out: 126.876+/-0.032 χ^2/NDF:6699505.3/24

All: 130.458+/-0.023 χ^2/NDF: 11546714.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/4

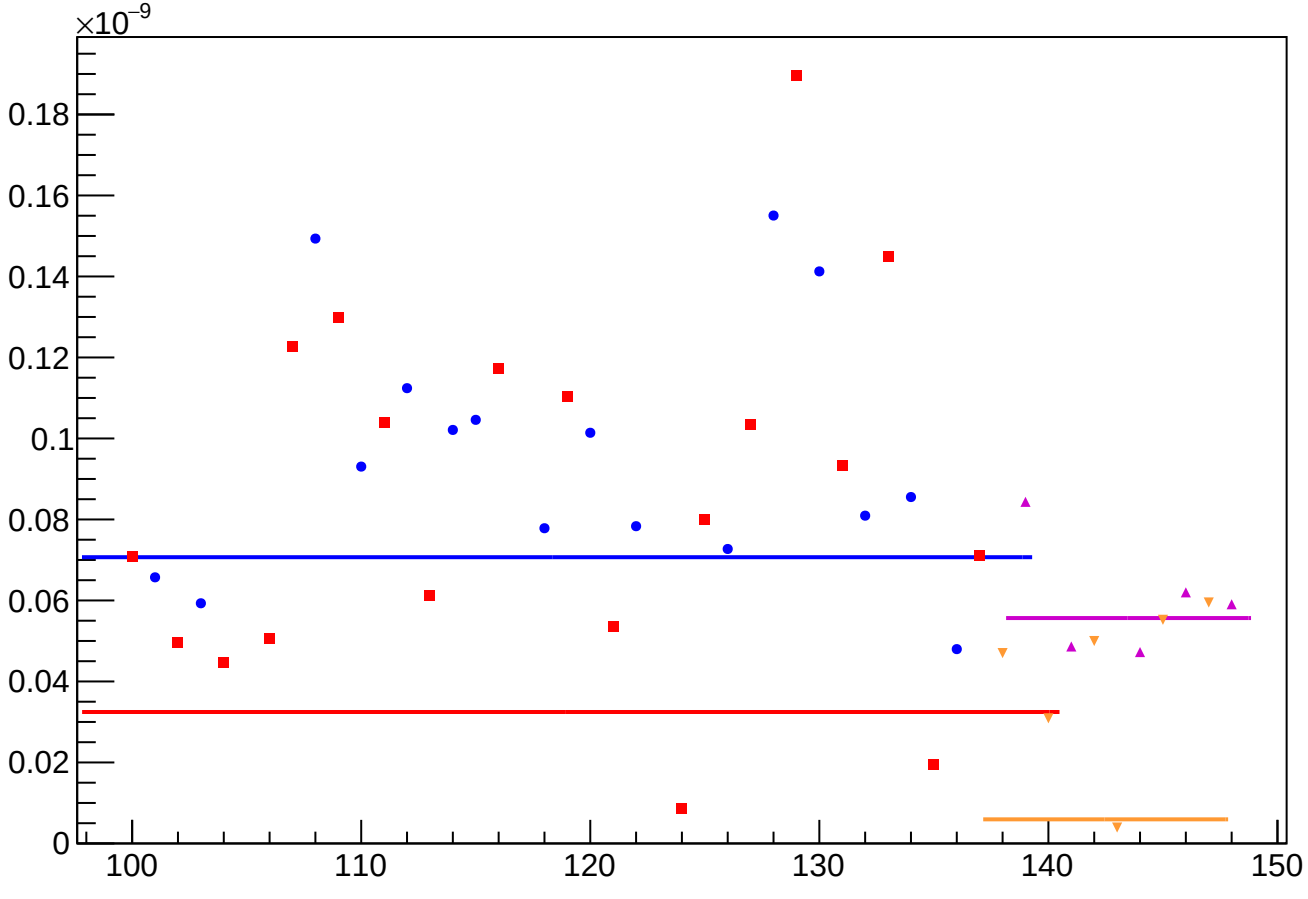
Left: -0.000+/-0.000 χ^2/NDF: 5.8/10

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:13.5/20

Out: -0.000+/-0.000 χ^2/NDF:27.2/24

All: -0.000+/-0.000 χ^2/NDF: 40.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3885651.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:222912.7/4

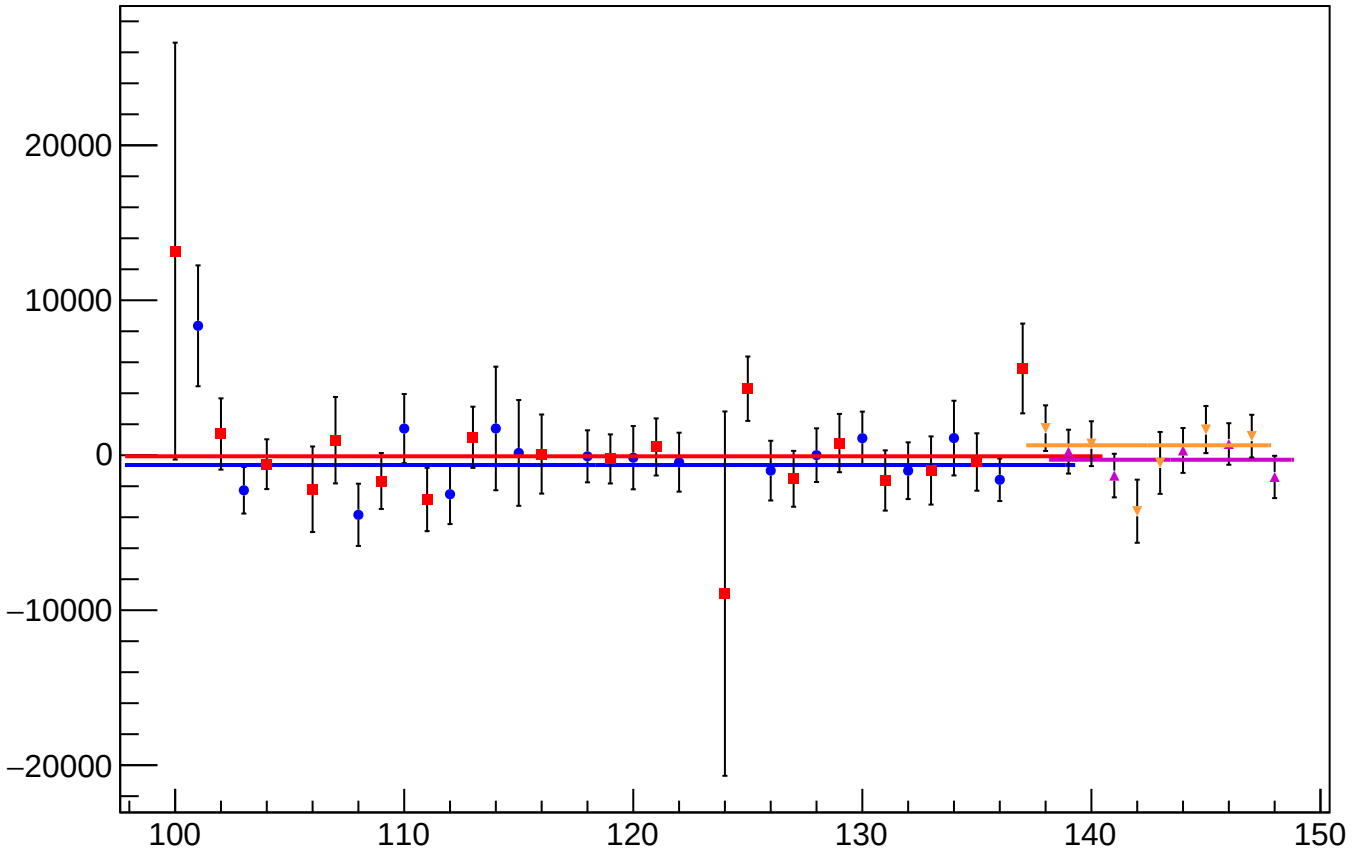
Left: 0.000+/-0.000 χ^2/NDF: 8604109.1/10

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1447863.5/20

Out: 0.000+/-0.000 χ^2/NDF:11094704.6/24

All: 0.000+/-0.000 χ^2/NDF: 22533476.5/45



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -290.048+/-623.108 χ^2/NDF:2.1/4

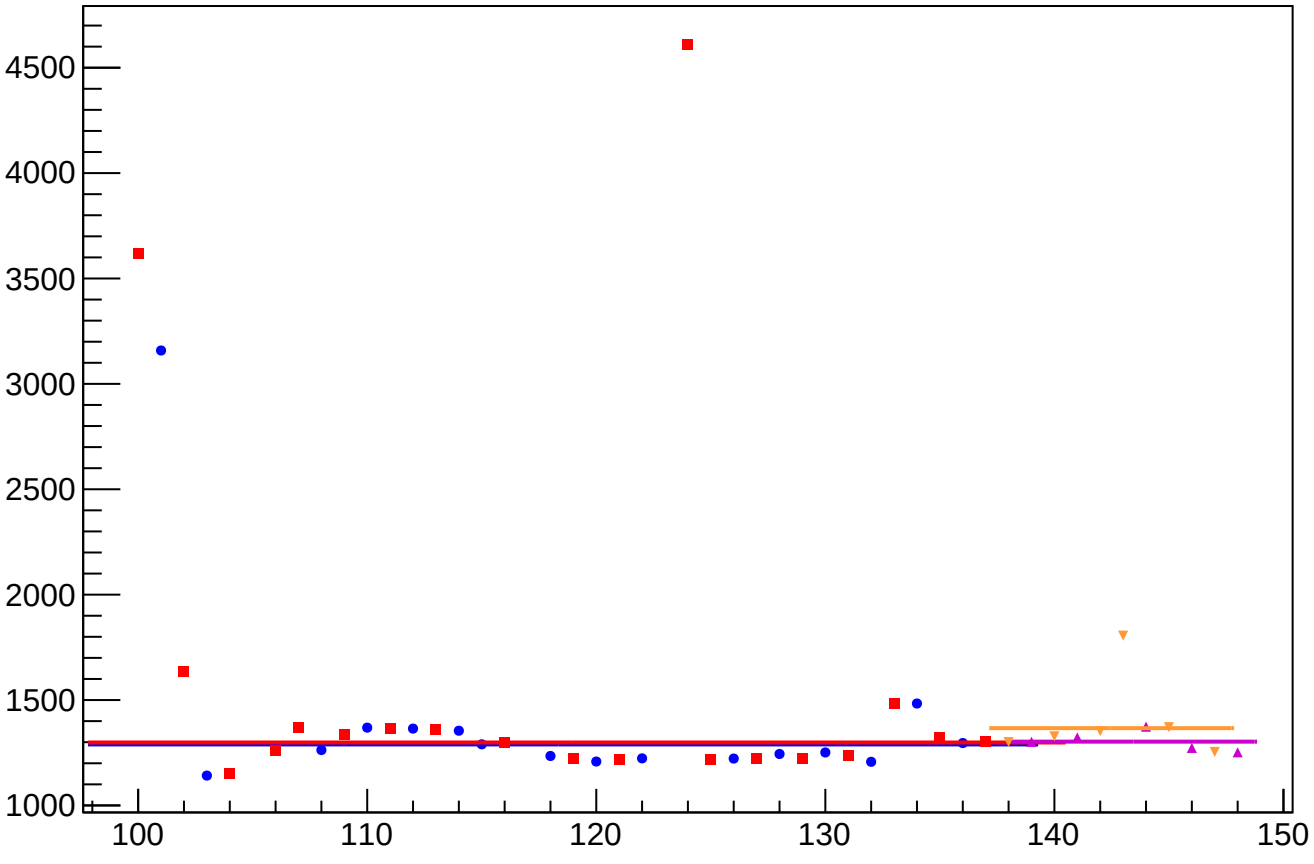
Left: 158.412+/-448.780 χ^2/NDF: 9.0/10

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -501.186+/-384.521 χ^2/NDF:16.2/20

Out: 189.488+/-389.461 χ^2/NDF:22.5/24

All: -160.257+/-273.627 χ^2/NDF: 40.3/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

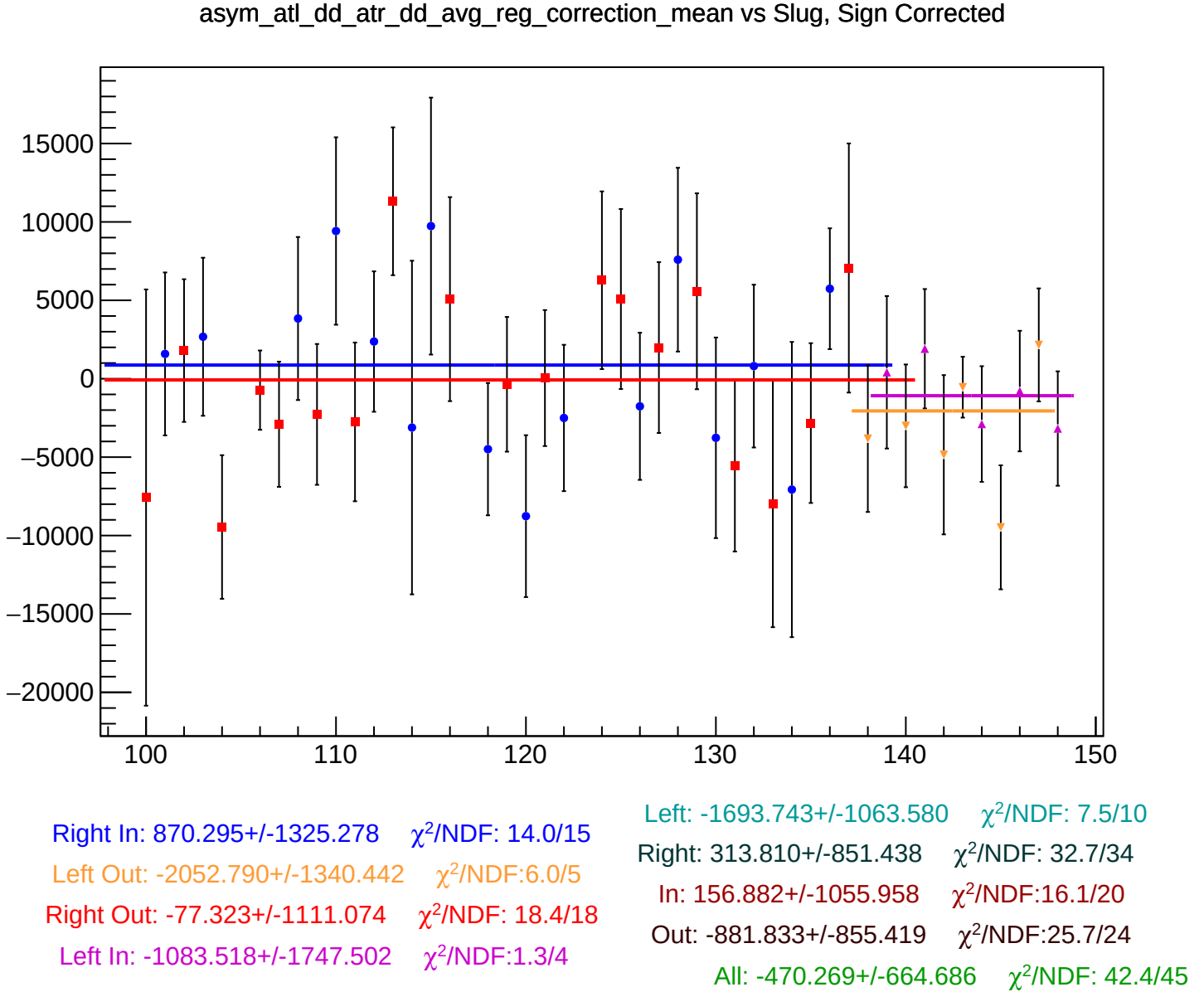
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

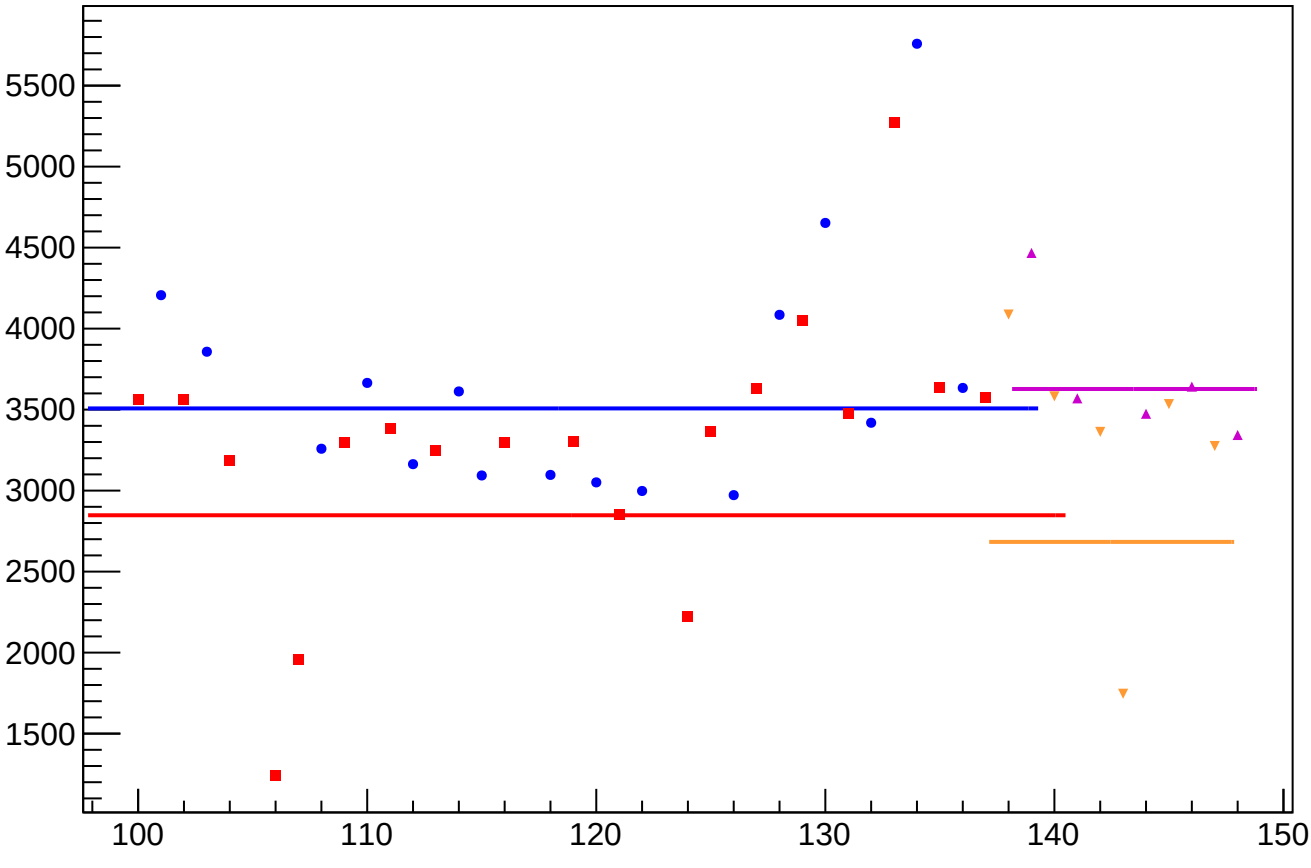
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1294.485+/-0.272 χ^2/NDF:524191.7/20

Out: 1323.195+/-0.275 χ^2/NDF:448850.6/24

All: 1308.681+/-0.193 χ^2/NDF: 978555.0/45


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -2052.790+/-1340.442 χ²/NDF:6.0/5
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1083.518+/-1747.502 χ²/NDF:1.3/4
Left: -1693.743+/-1063.580 χ²/NDF: 7.5/10
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 156.882+/-1055.958 χ²/NDF:16.1/20
Out: -881.833+/-855.419 χ²/NDF:25.7/24
All: -470.269+/-664.686 χ²/NDF: 42.4/45



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

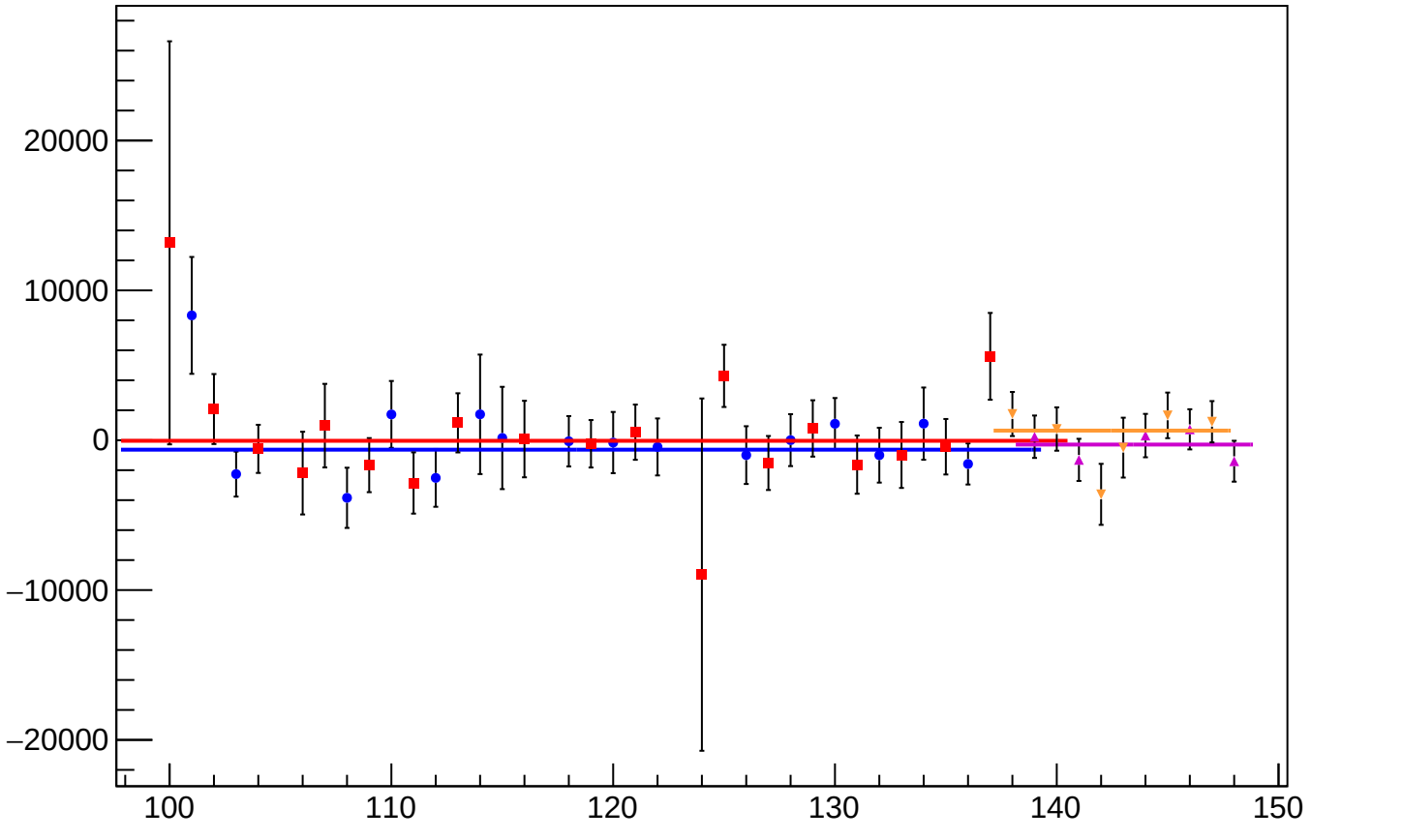
Left: 3033.044+/-0.752 χ^2/NDF: 1378064.4/10

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3551.174+/-0.747 χ^2/NDF:435659.9/20

Out: 2780.868+/-0.605 χ^2/NDF:2452222.0/24

All: 3086.081+/-0.470 χ^2/NDF: 3530481.8/45



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

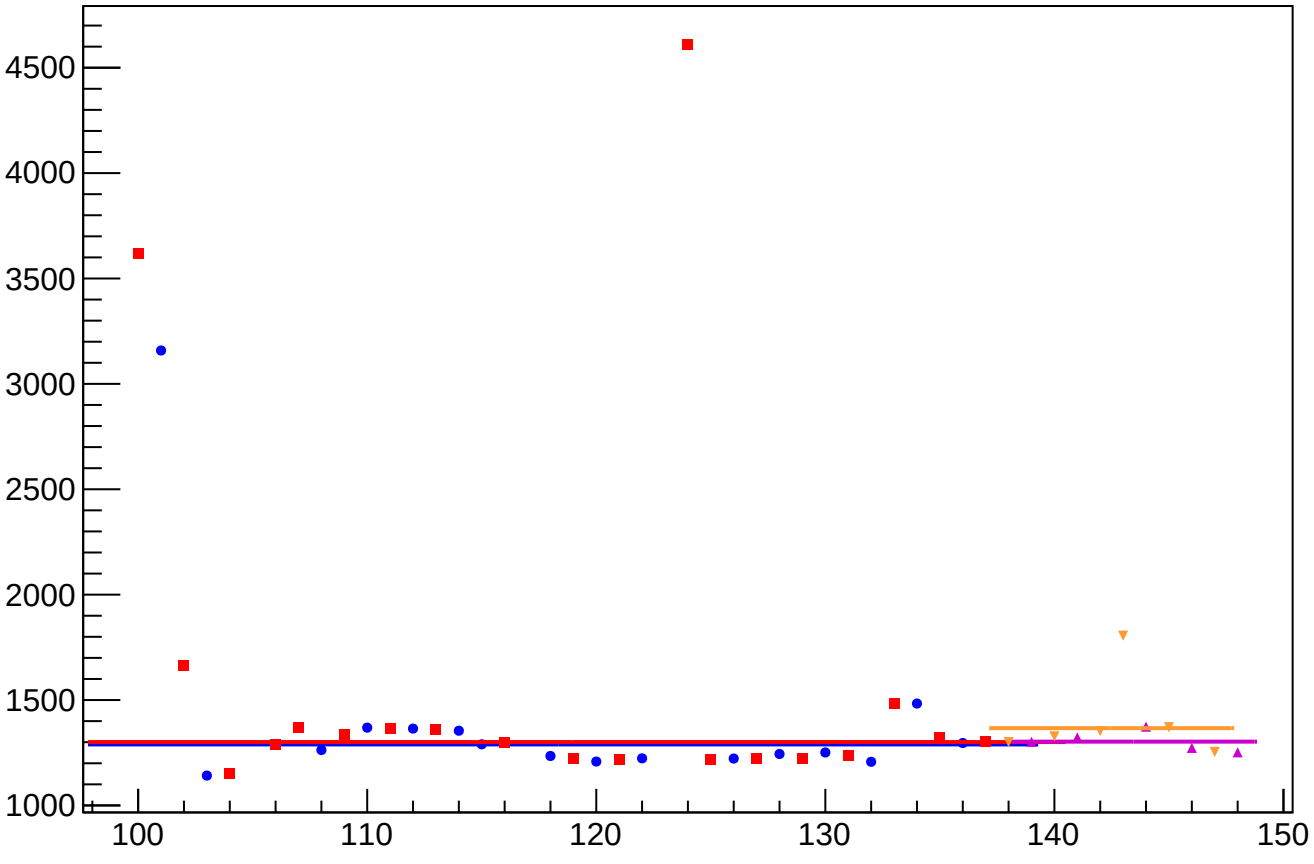
Left: 158.352+/-448.780 χ^2/NDF: 9.0/10

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -151.315+/-273.684 χ^2/NDF: 40.7/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

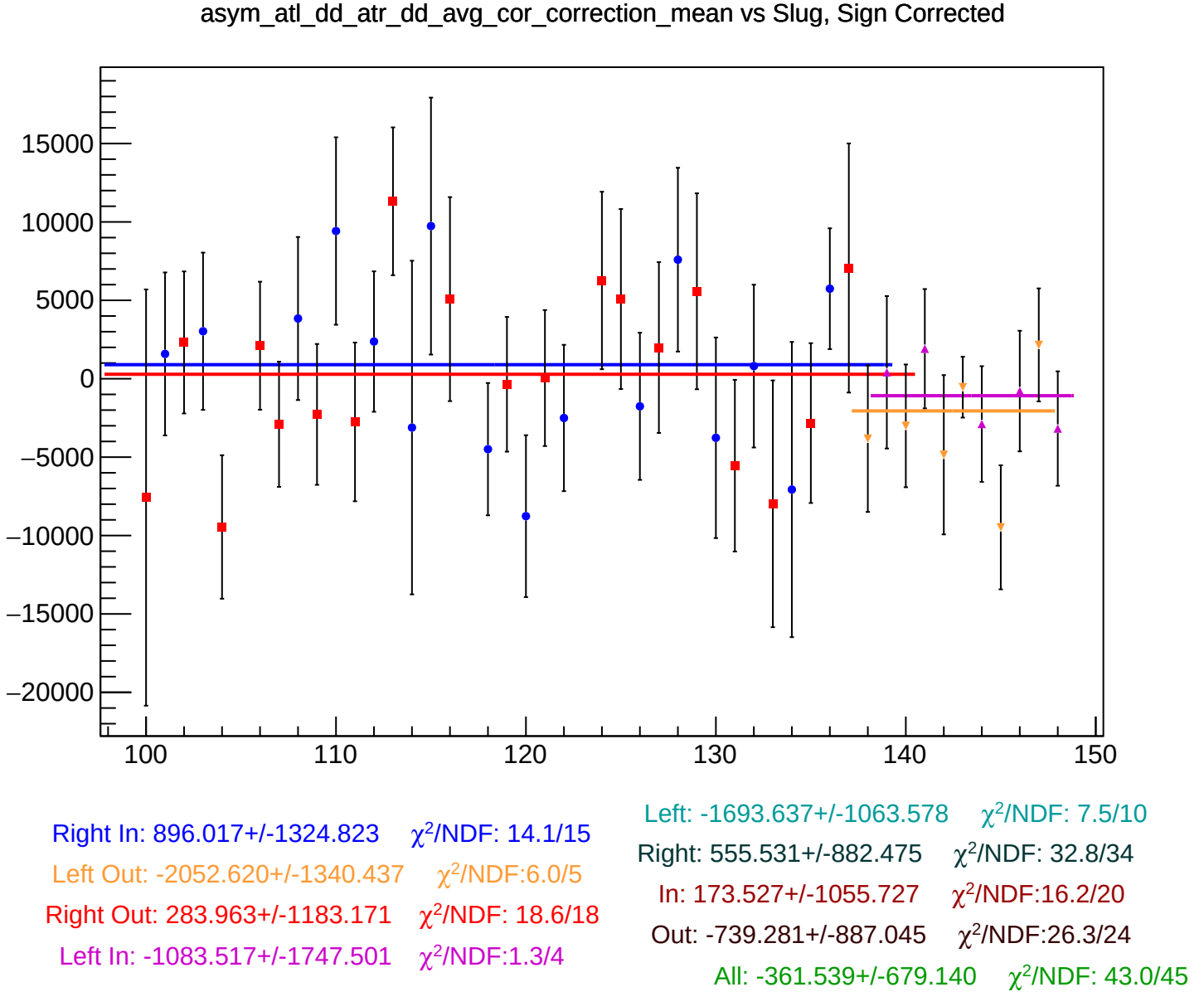
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

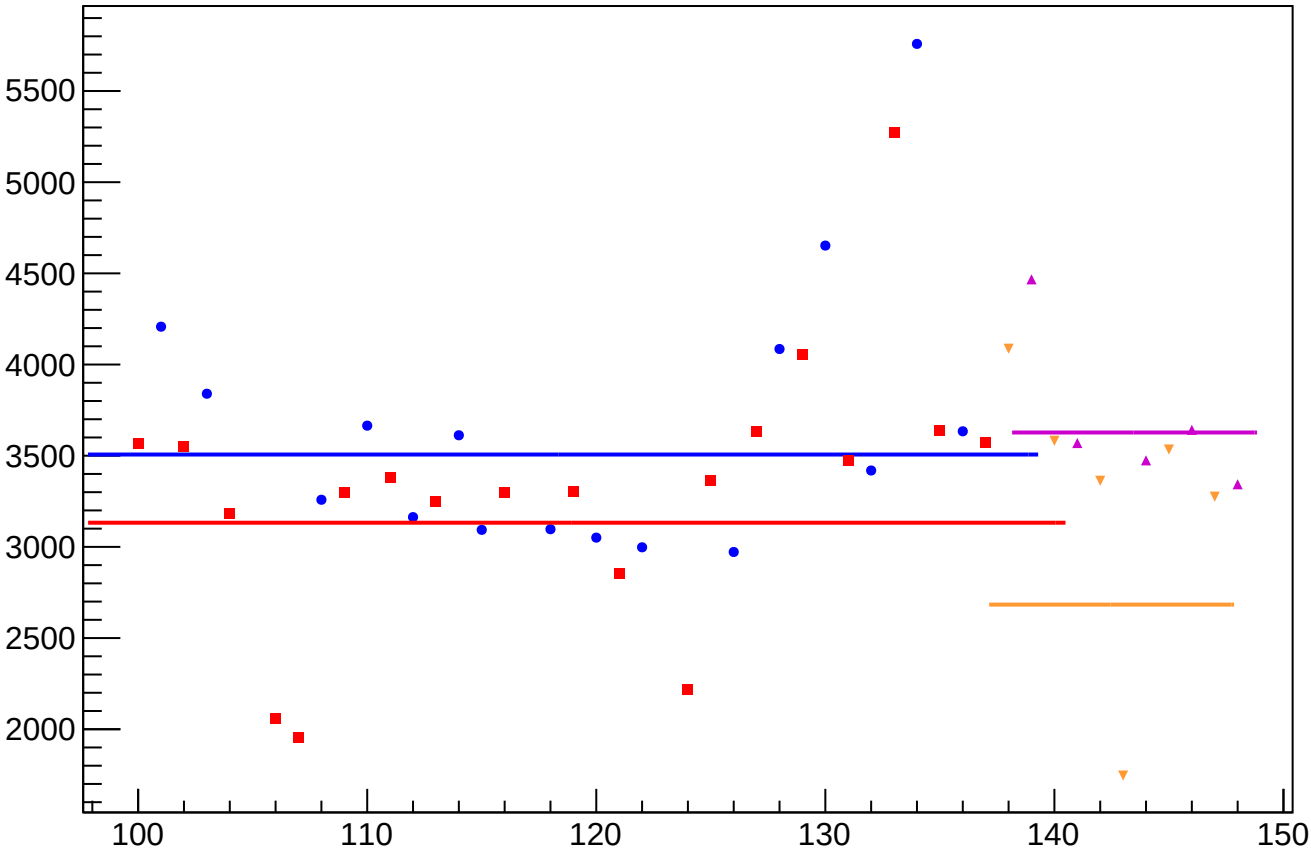
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1693.637+/-1063.578 χ²/NDF: 7.5/10
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -361.539+/-679.140 χ²/NDF: 43.0/45



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

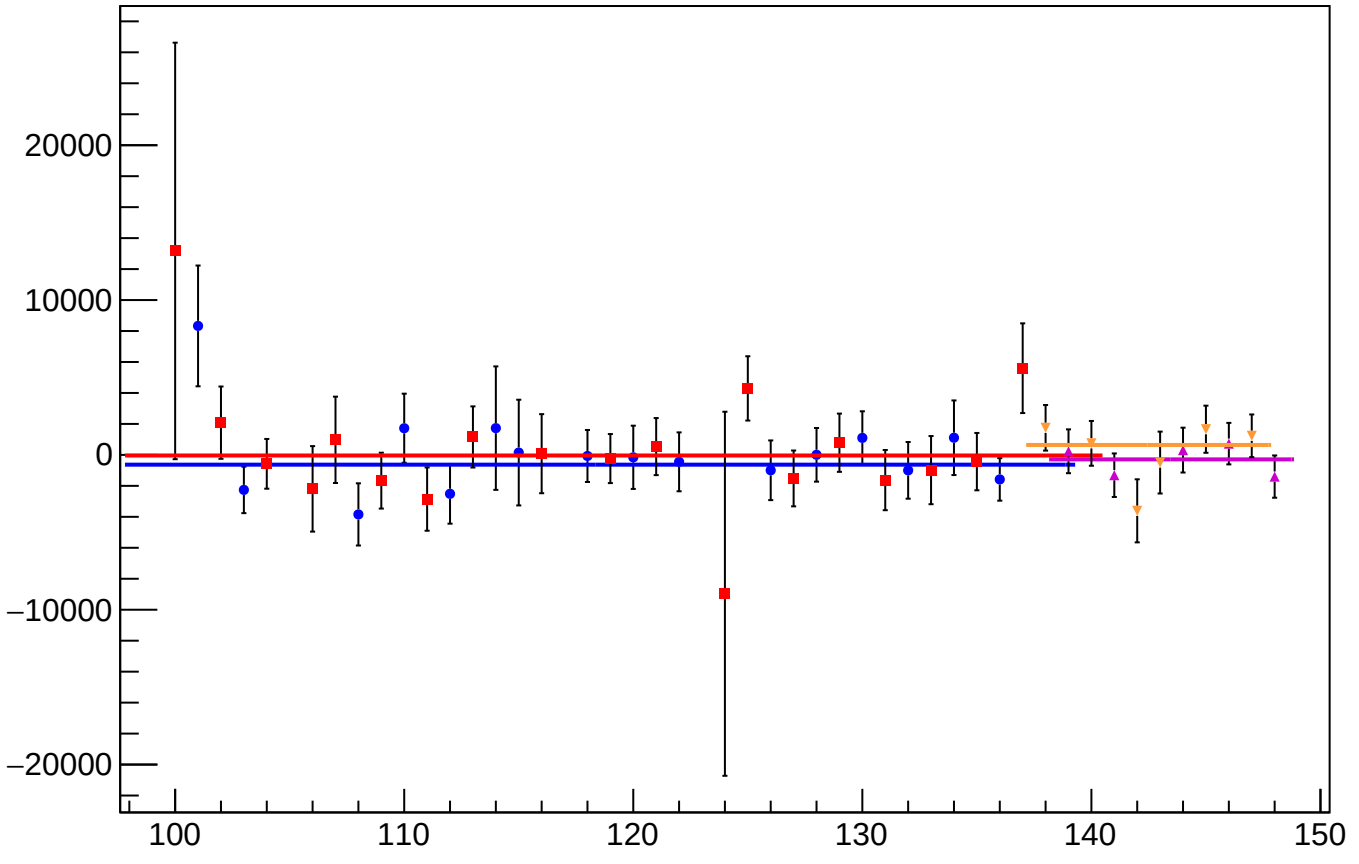
Left: 3033.035+/-0.752 χ^2/NDF: 1378084.6/10

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

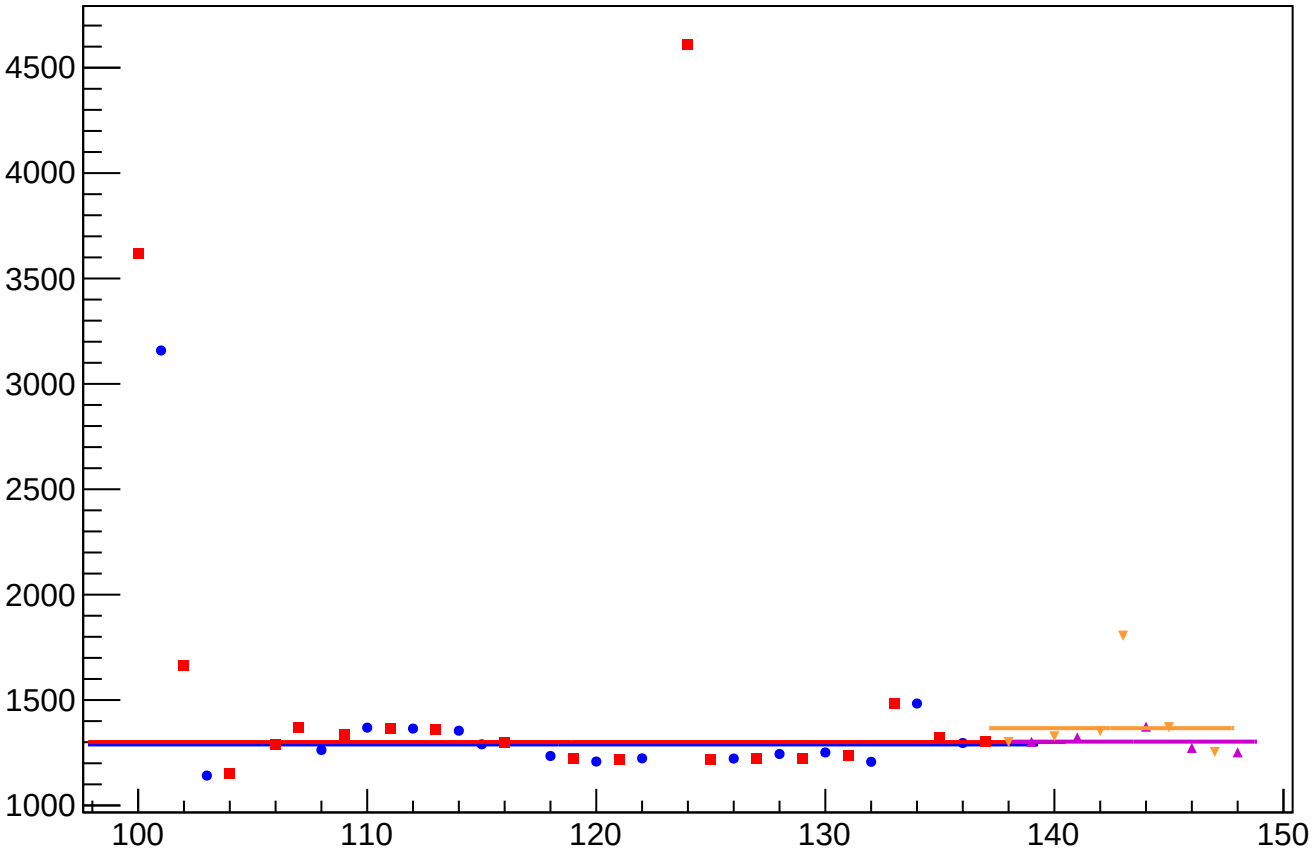
Left: 158.352+/-448.780 χ^2/NDF: 9.0/10

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -151.315+/-273.684 χ^2/NDF: 40.7/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

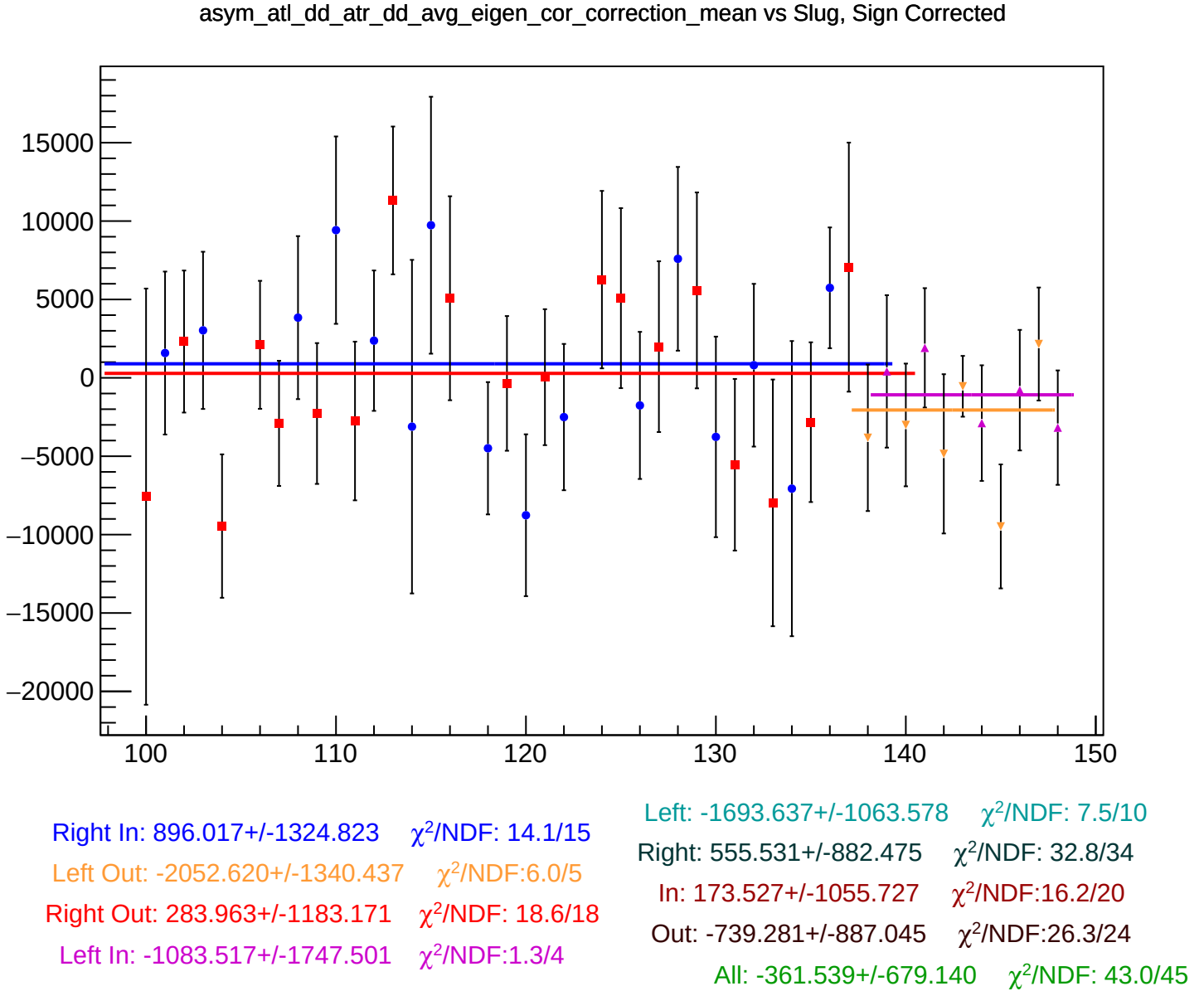
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

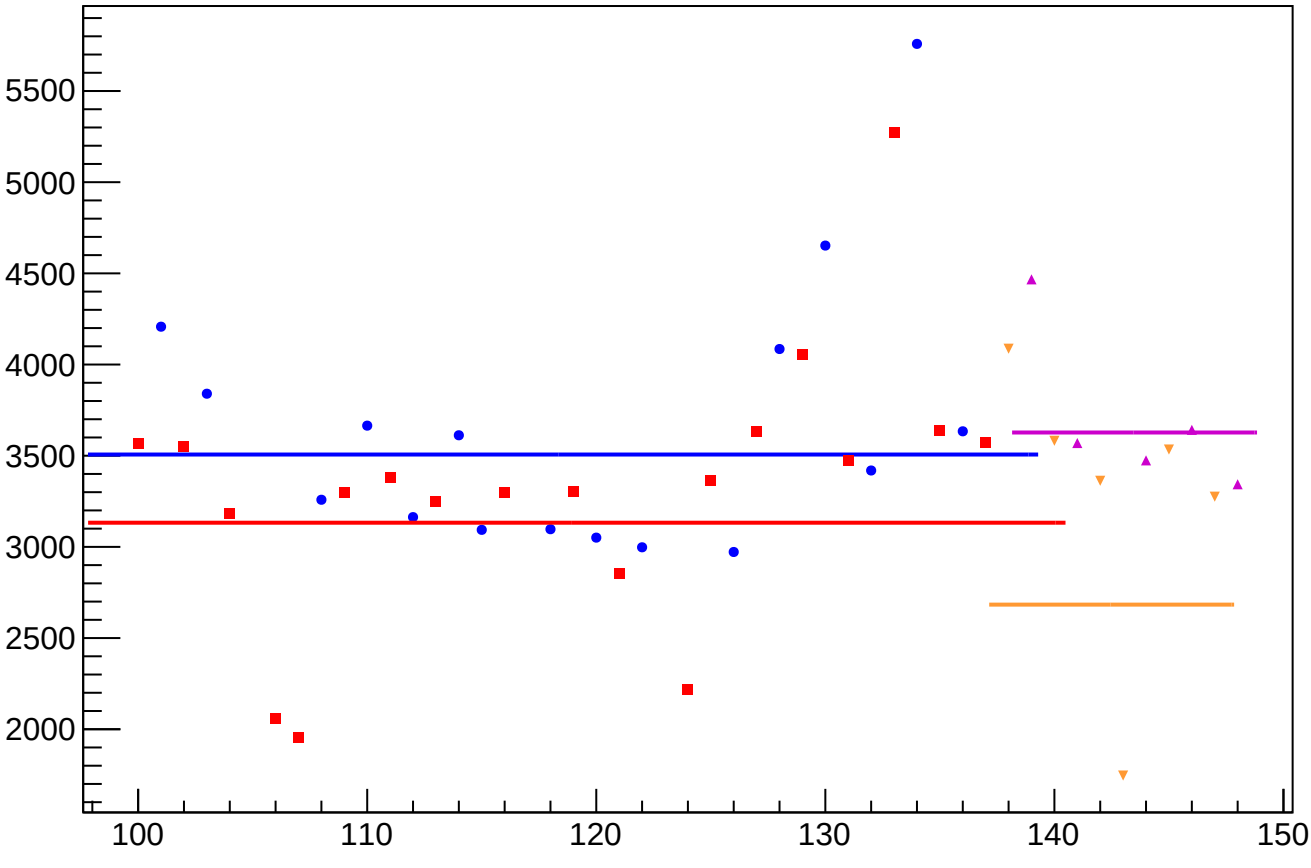
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1693.637+/-1063.578 χ²/NDF: 7.5/10
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -361.539+/-679.140 χ²/NDF: 43.0/45



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

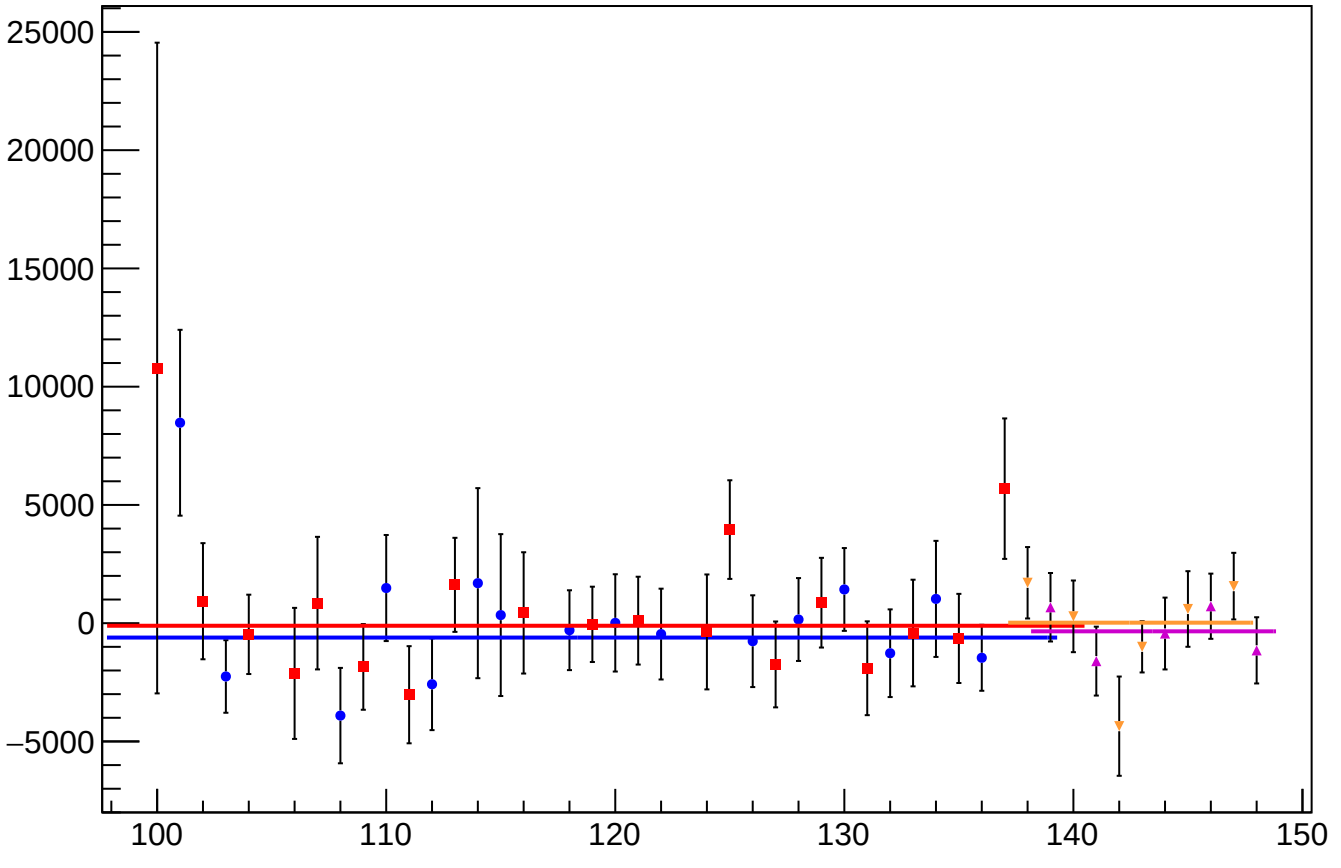
Left: 3033.035+/-0.752 χ^2/NDF: 1378084.6/10

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -344.307+/-643.028 χ^2/NDF:2.2/4

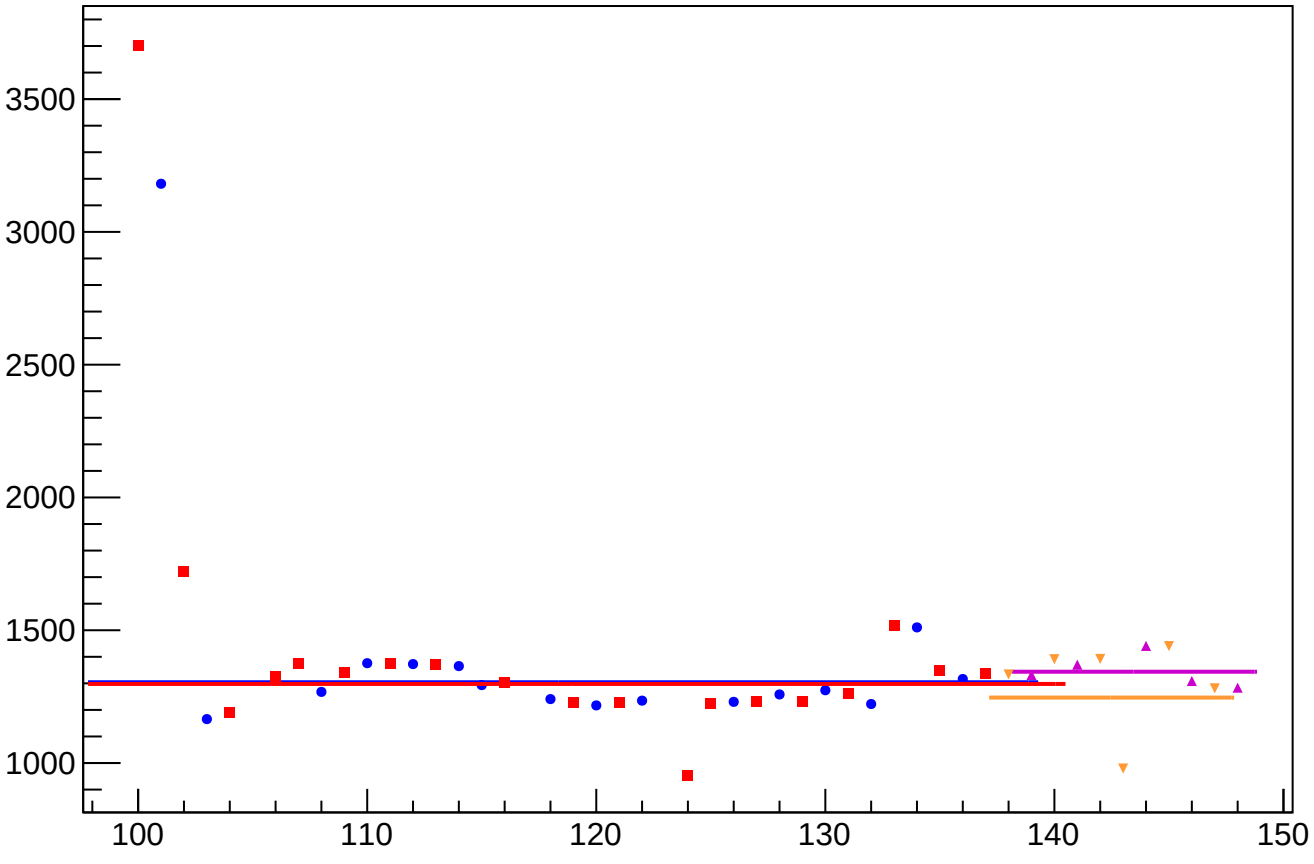
Left: -146.472+/-435.756 χ^2/NDF: 10.2/10

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -509.980+/-391.834 χ^2/NDF:16.4/20

Out: -56.334+/-375.571 χ^2/NDF:22.7/24

All: -273.547+/-271.136 χ^2/NDF: 39.8/45



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

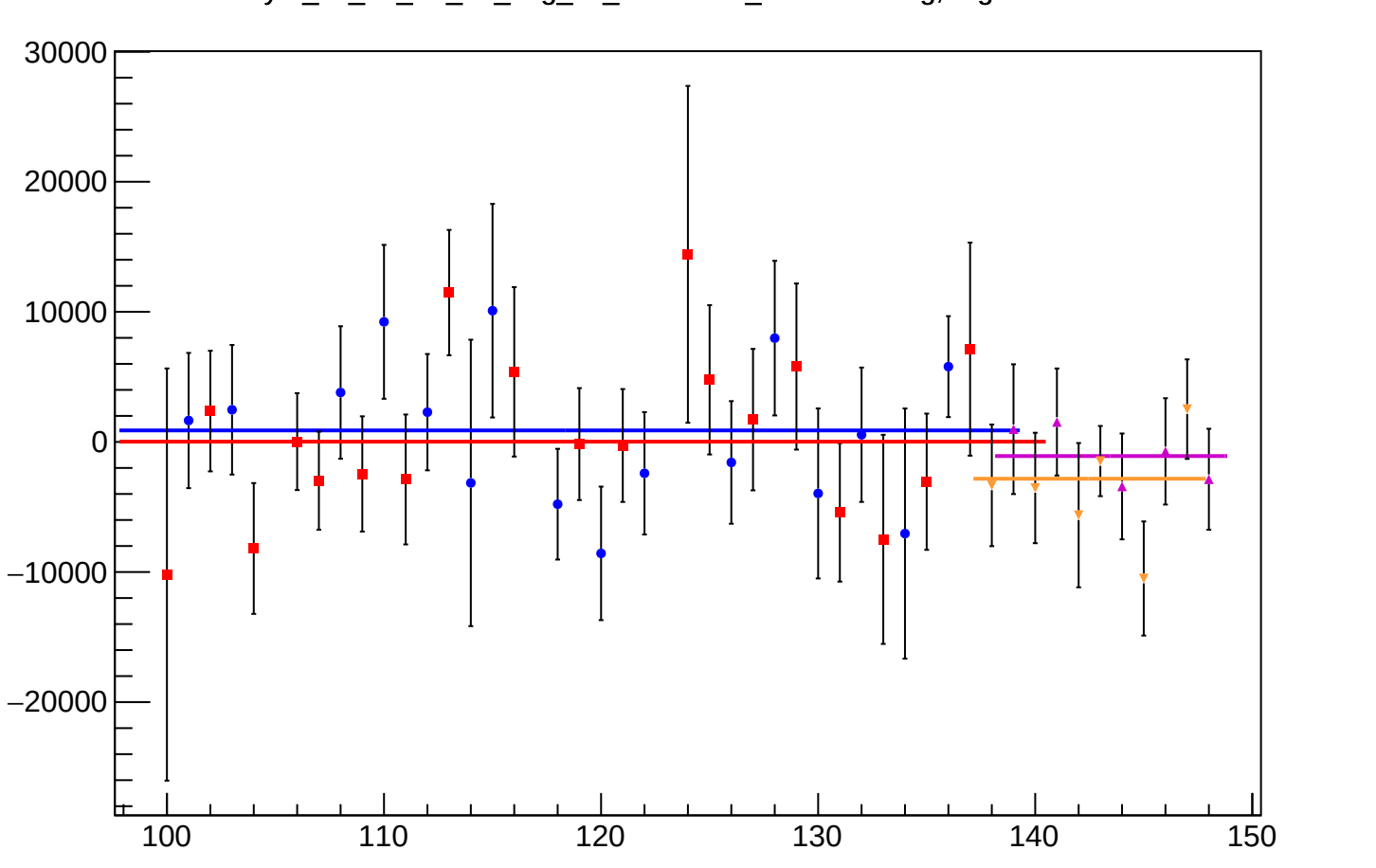
Left: 1291.140+/-0.308 χ^2/NDF: 225281.5/10

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1318.823+/-0.277 χ^2/NDF:529327.6/20

Out: 1277.195+/-0.265 χ^2/NDF:408649.6/24

All: 1297.118+/-0.192 χ^2/NDF: 949747.6/45



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1086.069+/-1869.912 χ^2/NDF:1.1/4

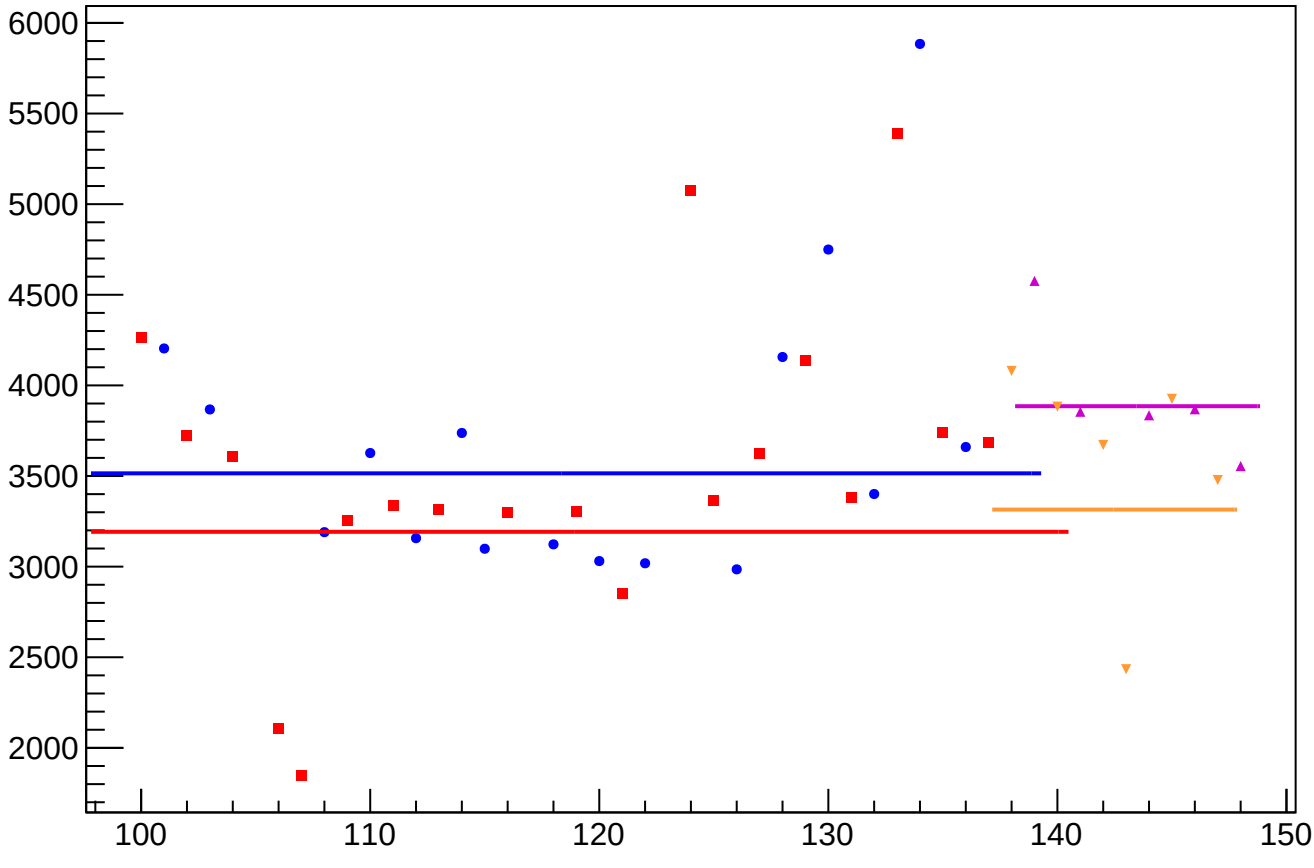
Left: -2093.540+/-1214.915 χ^2/NDF: 7.2/10

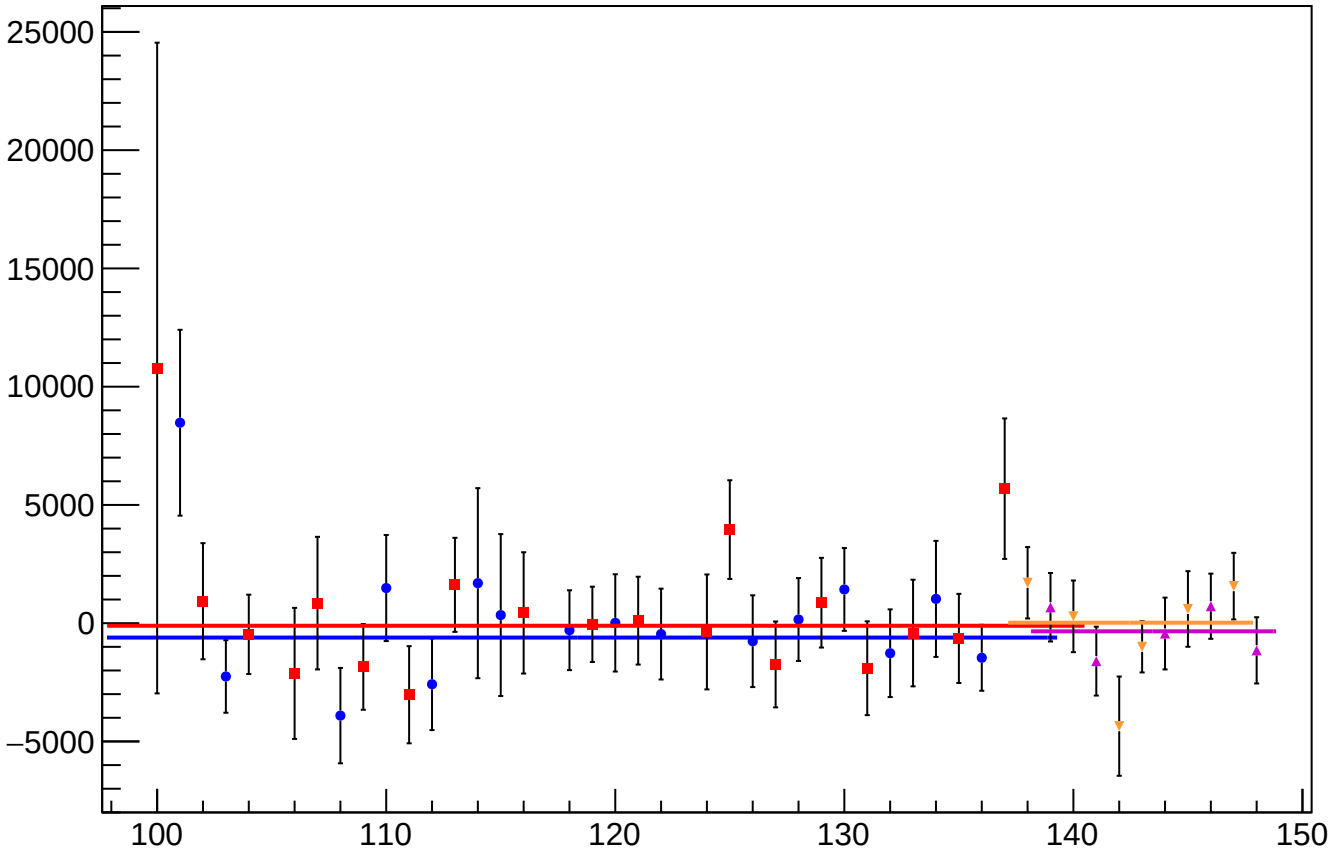
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 223.927+/-1082.404 χ^2/NDF:16.0/20

Out: -1006.876+/-959.619 χ^2/NDF:24.4/24

All: -465.215+/-718.057 χ^2/NDF: 41.1/45


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3314.764+/-1.130 χ²/NDF:353402.5/5
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 3885.199+/-1.322 χ²/NDF:53360.0/4
Left: 3555.563+/-0.859 χ²/NDF: 514316.7/10
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3638.874+/-0.765 χ²/NDF:480633.7/20
Out: 3236.389+/-0.679 χ²/NDF:1133419.4/24
All: 3413.518+/-0.508 χ²/NDF: 1768888.1/45



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -344.306+/-643.029 χ^2/NDF:2.2/4

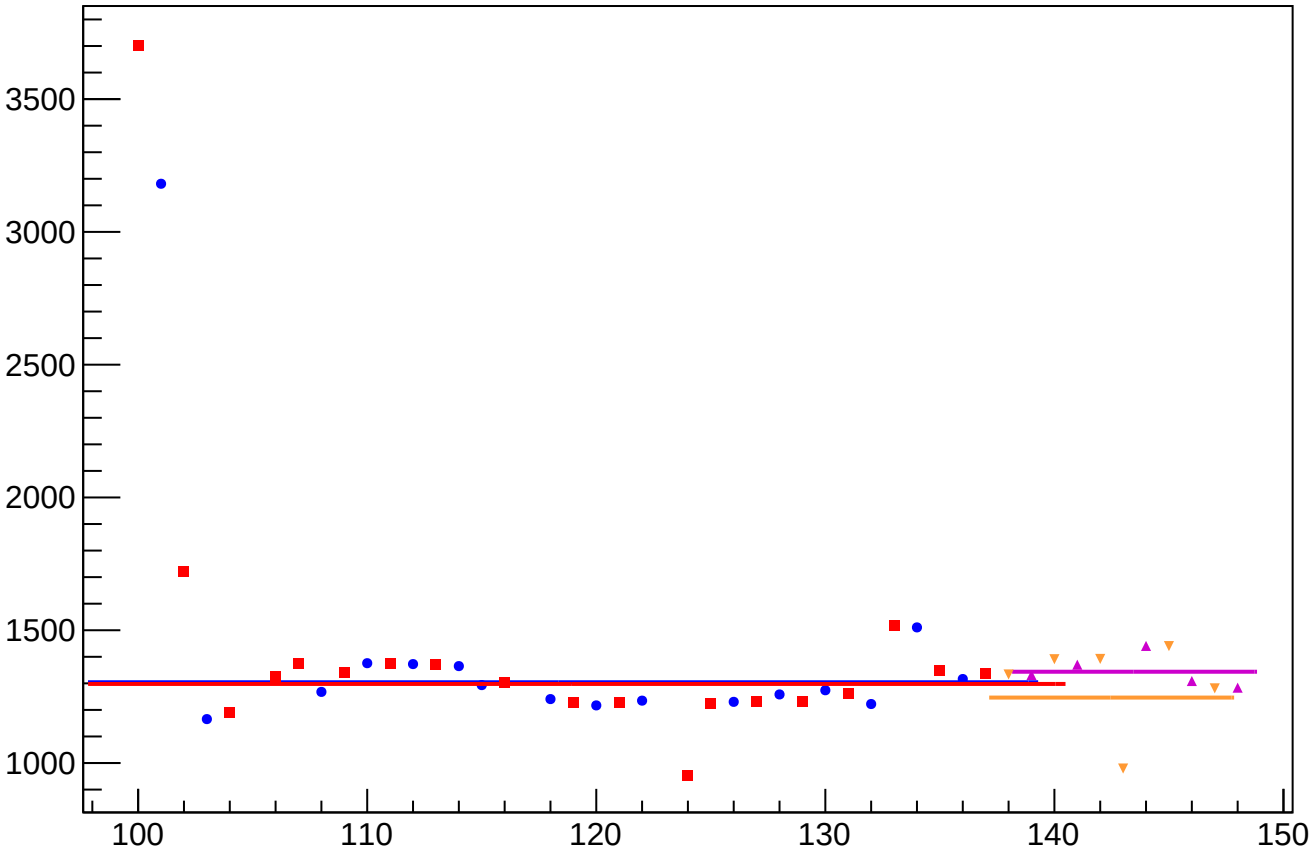
Left: -146.474+/-435.756 χ^2/NDF: 10.2/10

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -509.982+/-391.835 χ^2/NDF:16.4/20

Out: -56.339+/-375.571 χ^2/NDF:22.7/24

All: -273.551+/-271.136 χ^2/NDF: 39.8/45



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

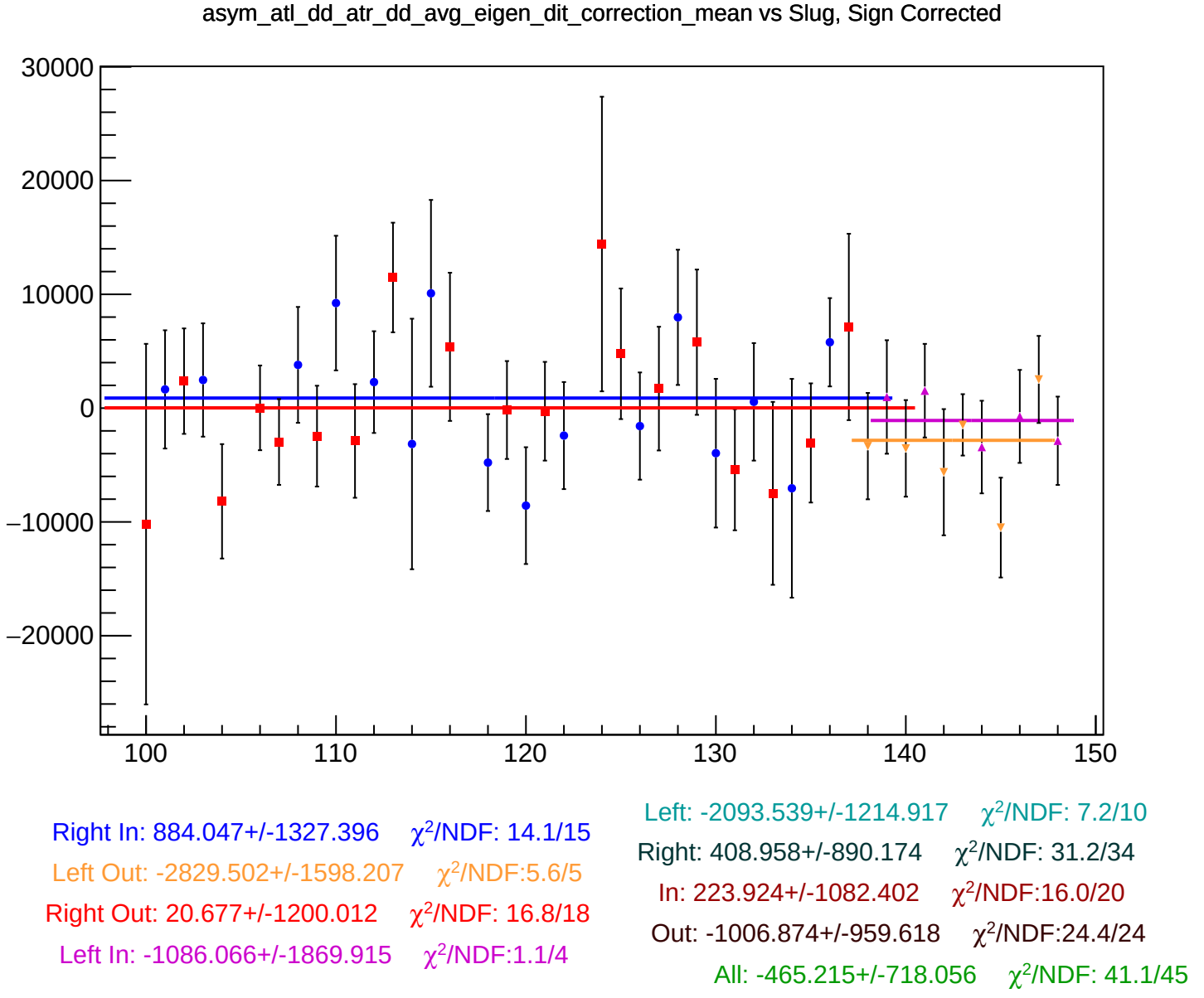
Left: 1291.141+/-0.308 χ^2/NDF: 225281.9/10

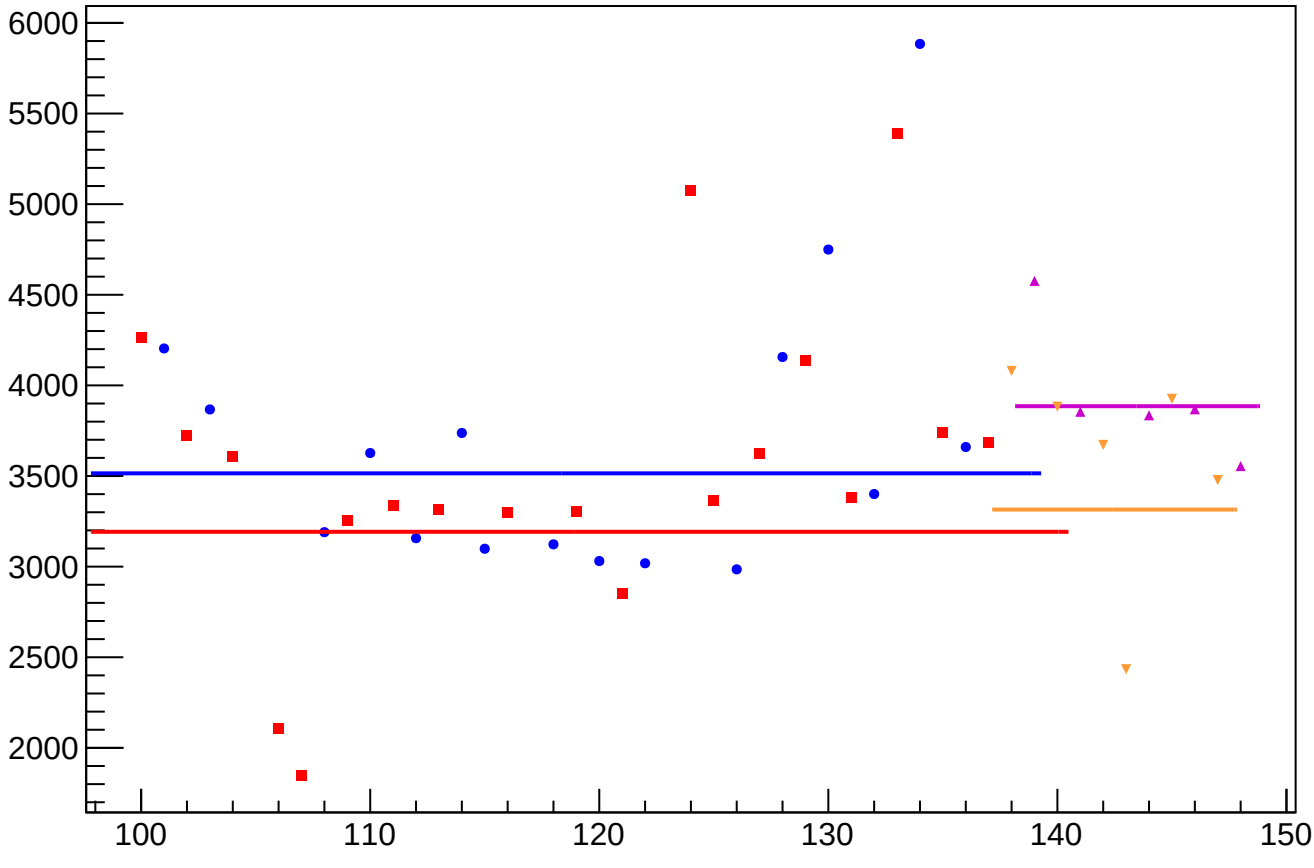
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1318.824+/-0.277 χ^2/NDF:529328.1/20

Out: 1277.195+/-0.265 χ^2/NDF:408649.7/24

All: 1297.118+/-0.192 χ^2/NDF: 949748.0/45


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -2829.502+/-1598.207 χ²/NDF:5.6/5
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1086.066+/-1869.915 χ²/NDF:1.1/4
Left: -2093.539+/-1214.917 χ²/NDF: 7.2/10
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 223.924+/-1082.402 χ²/NDF:16.0/20
Out: -1006.874+/-959.618 χ²/NDF:24.4/24
All: -465.215+/-718.056 χ²/NDF: 41.1/45



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

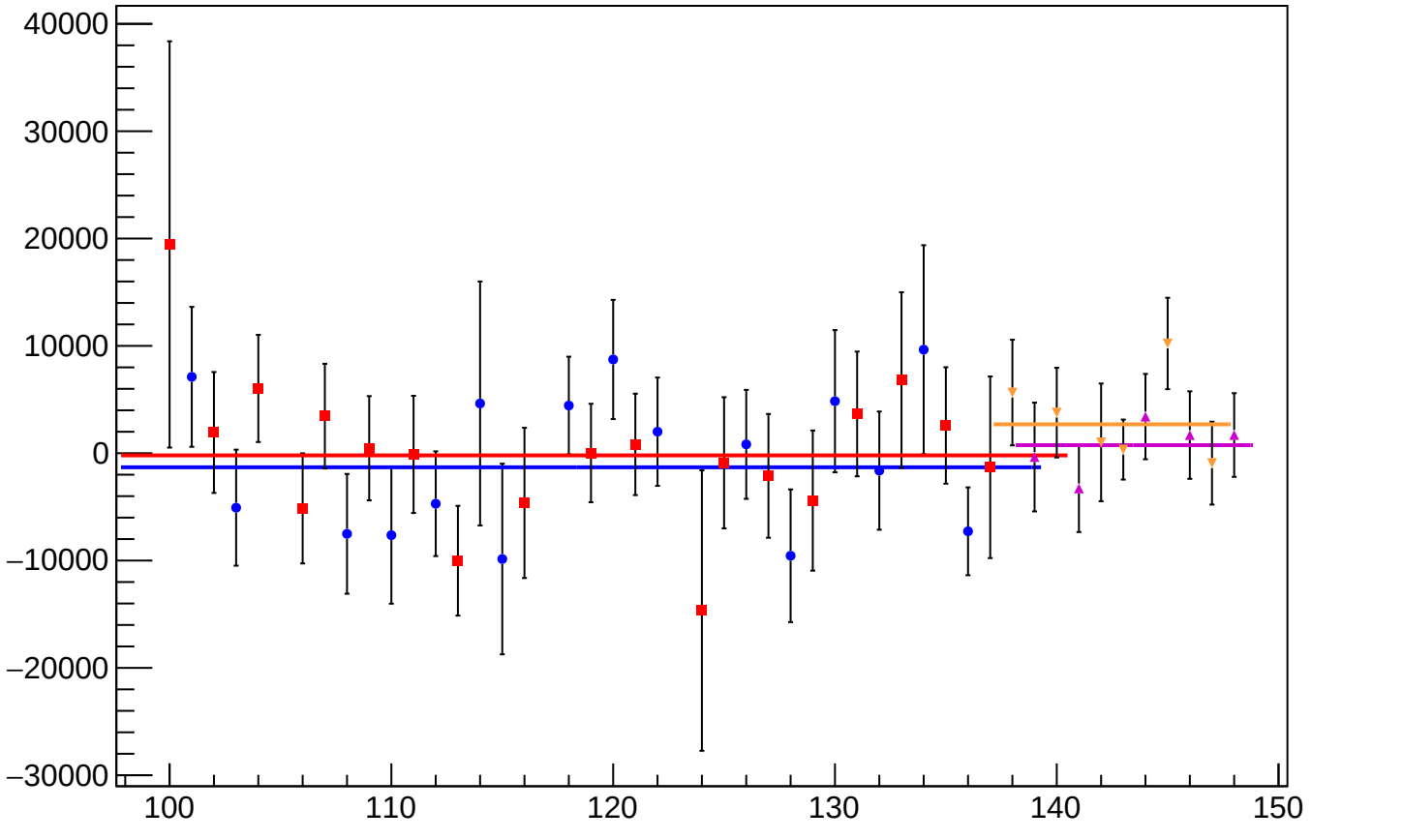
Left: 3555.569+/-0.859 χ^2/NDF: 514318.2/10

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3638.869+/-0.765 χ^2/NDF:480642.9/20

Out: 3236.386+/-0.679 χ^2/NDF:1133423.9/24

All: 3413.514+/-0.508 χ^2/NDF: 1768901.0/45



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 751.876+/-1861.261 χ^2/NDF:1.6/4

Left: 1857.994+/-1220.944 χ^2/NDF: 7.4/10

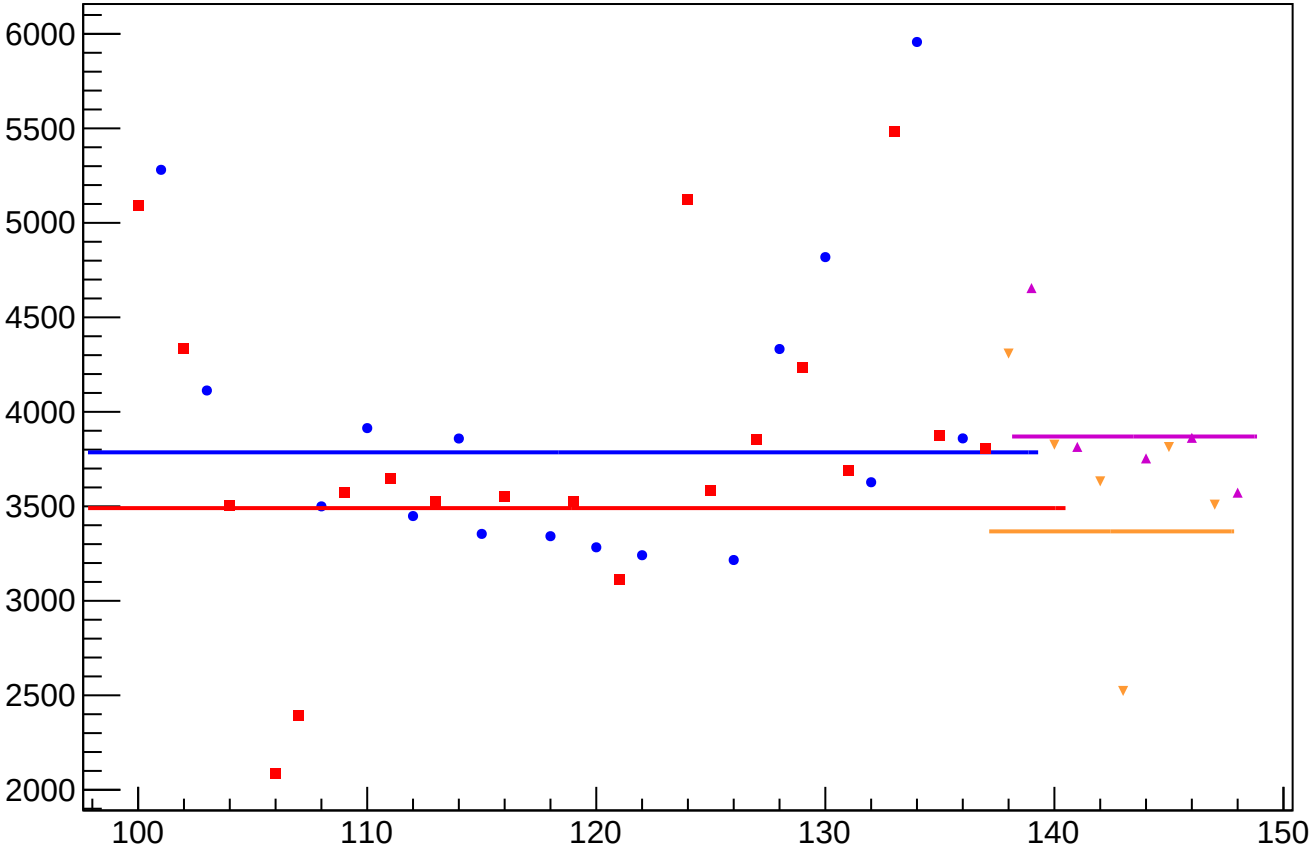
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -543.172+/-1134.773 χ^2/NDF:19.9/20

Out: 972.460+/-1030.124 χ^2/NDF:18.8/24

All: 287.738+/-762.728 χ^2/NDF: 39.7/45

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

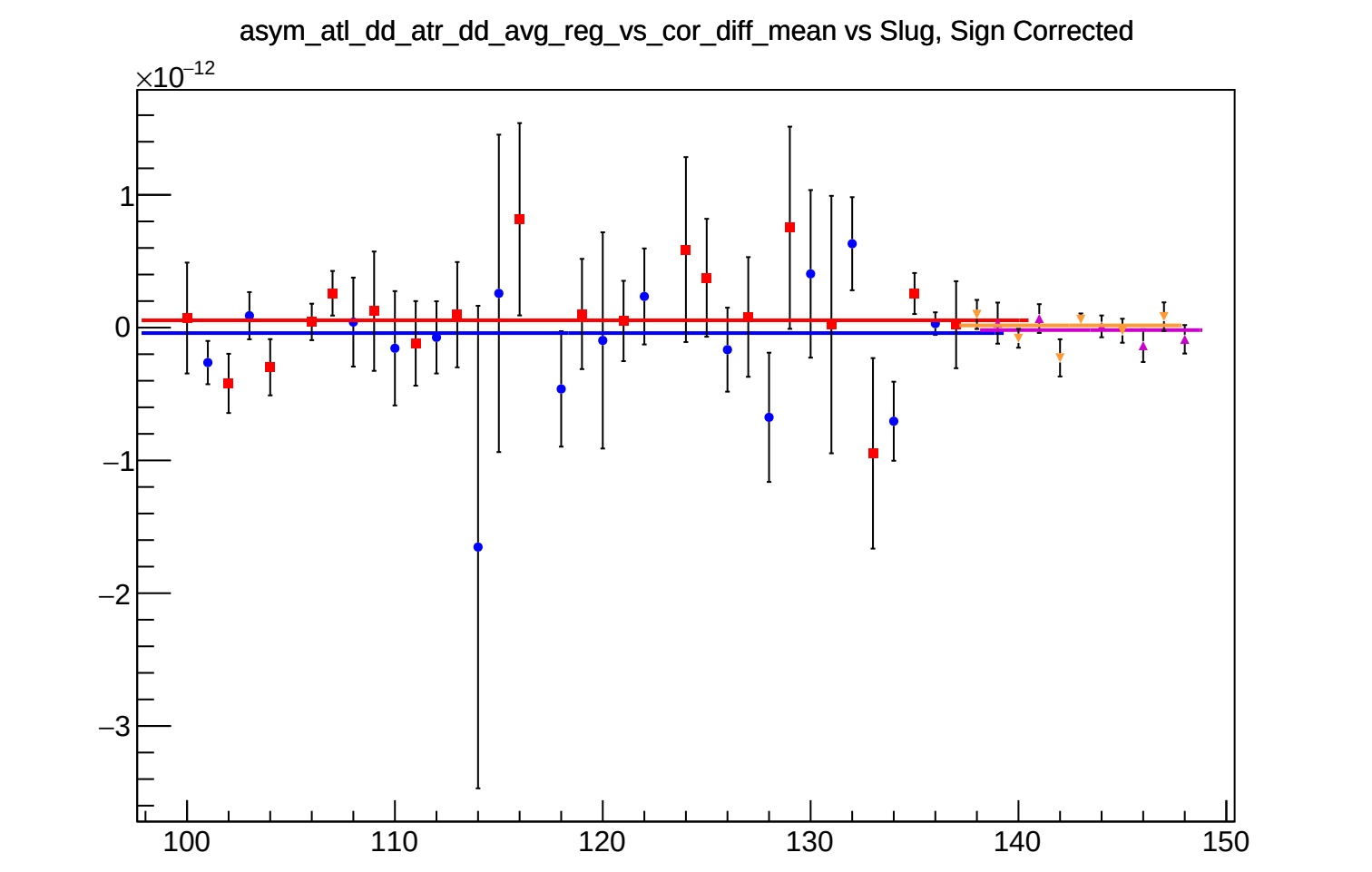
Left: 3583.501+/-0.863 χ^2/NDF: 453841.9/10

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3816.906+/-0.802 χ^2/NDF:447309.8/20

Out: 3441.482+/-0.722 χ^2/NDF:902845.5/24

All: 3609.565+/-0.537 χ^2/NDF: 1471055.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/4

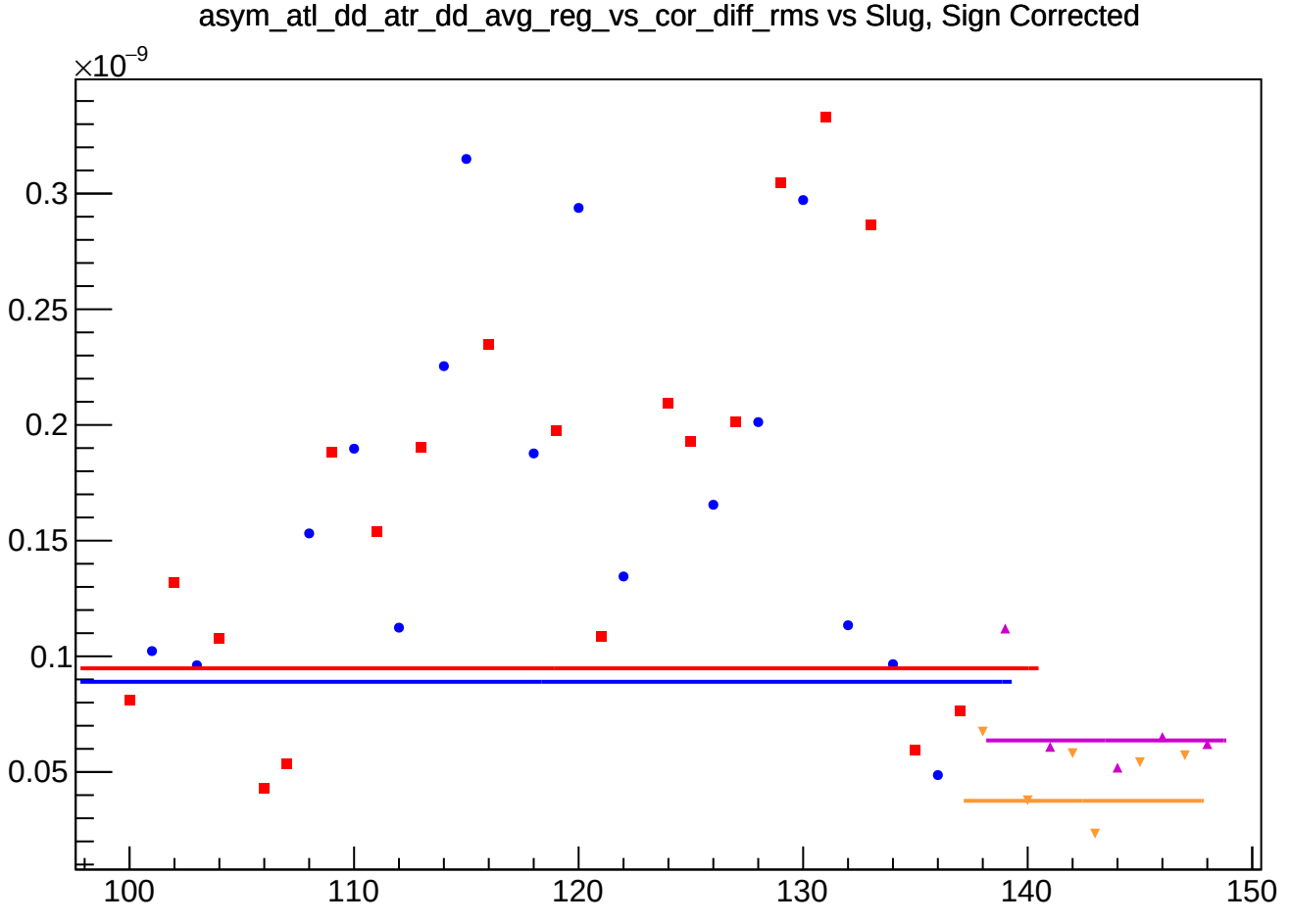
Left: 0.000+/-0.000 χ^2/NDF: 9.7/10

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.3/24

All: 0.000+/-0.000 χ^2/NDF: 43.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

Left: 0.000+/-0.000 χ^2/NDF: 1189298.0/10

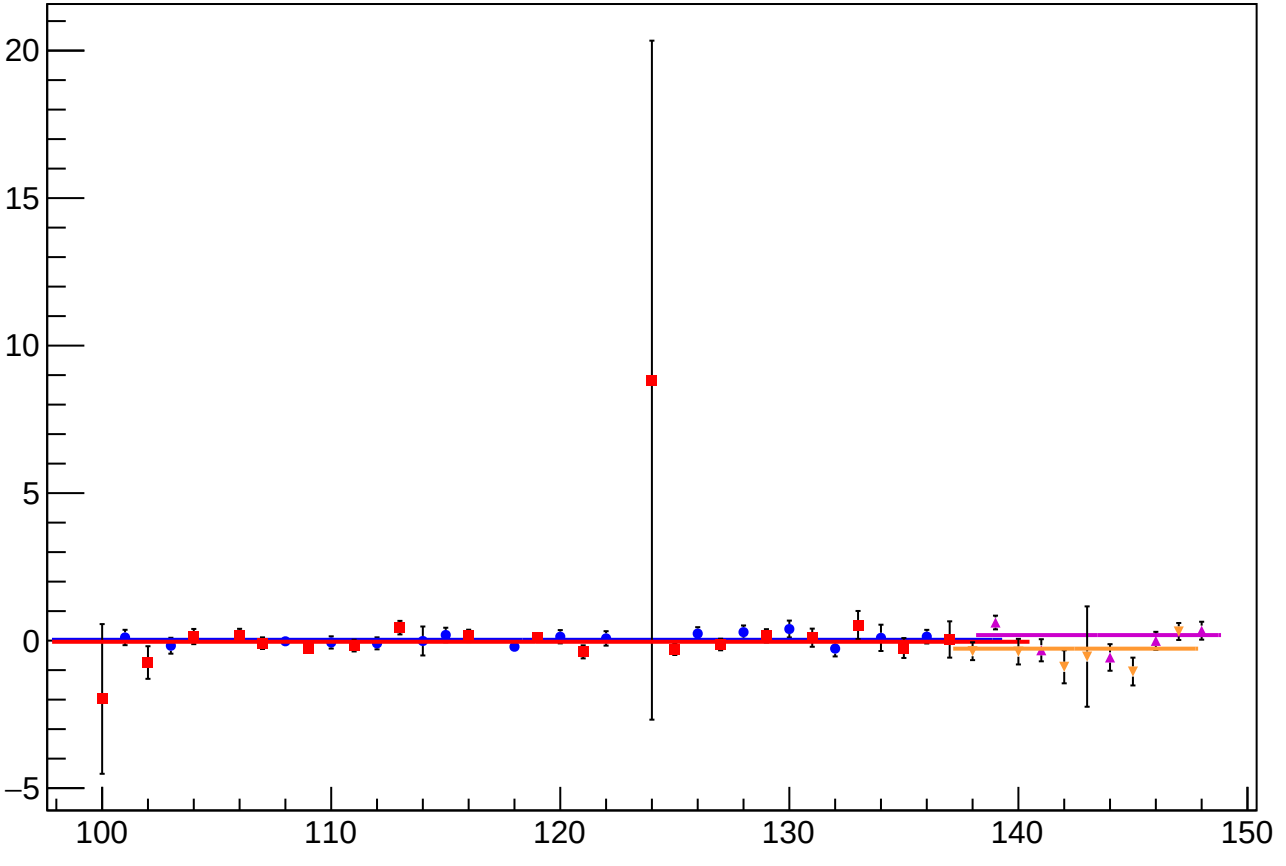
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1920085.4/20

Out: 0.000+/-0.000 χ^2/NDF:3572562.2/24

All: 0.000+/-0.000 χ^2/NDF: 6095798.8/45

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

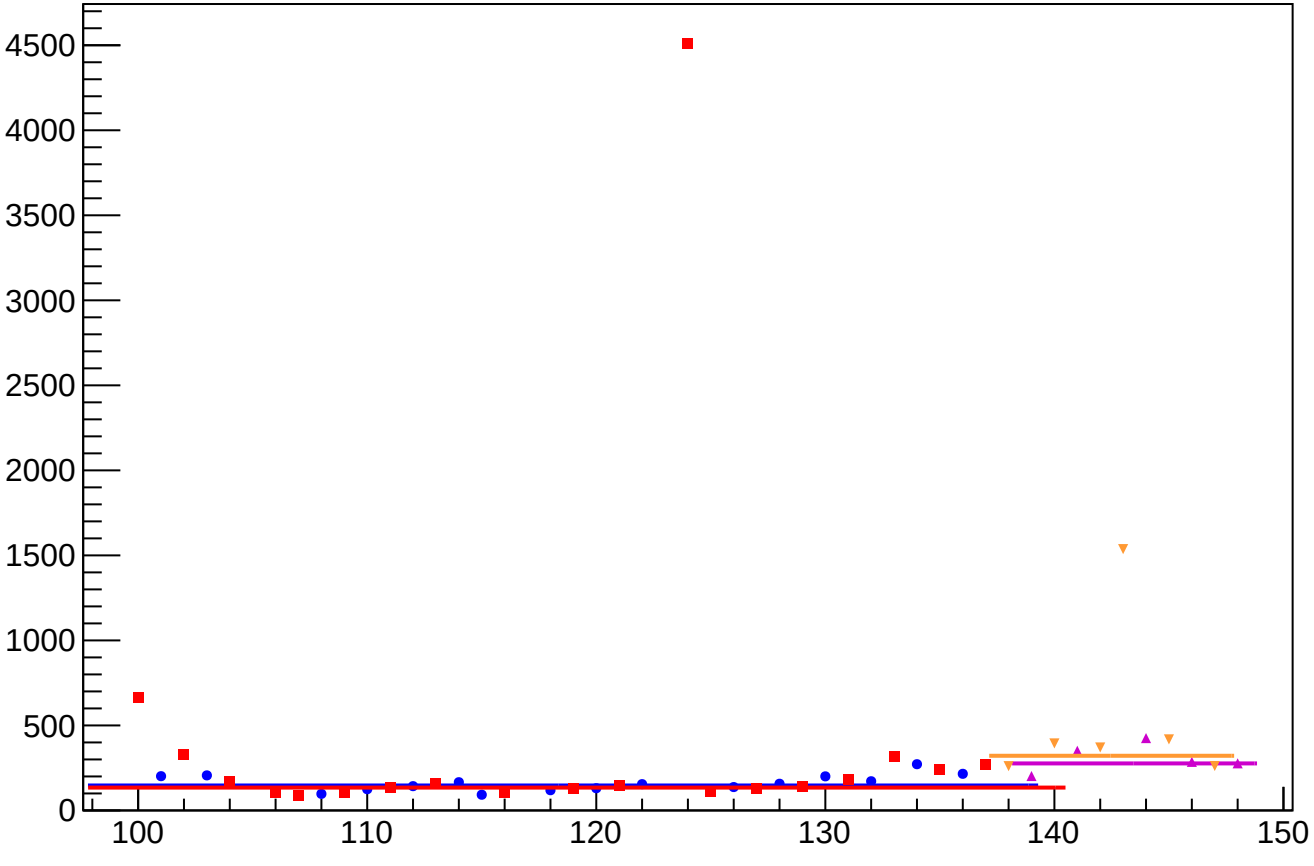
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

Left: 295.097+/-0.075 χ^2/NDF: 1933501.2/10

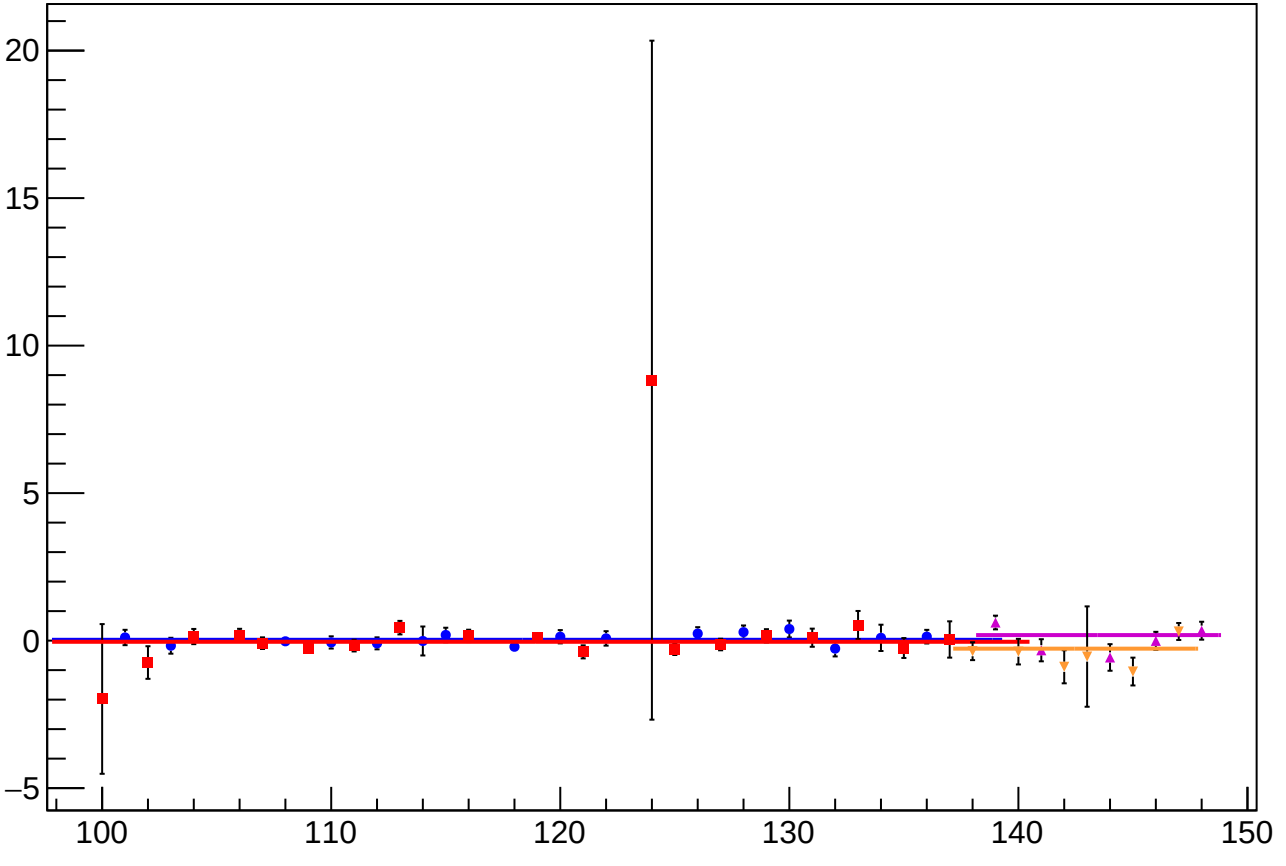
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

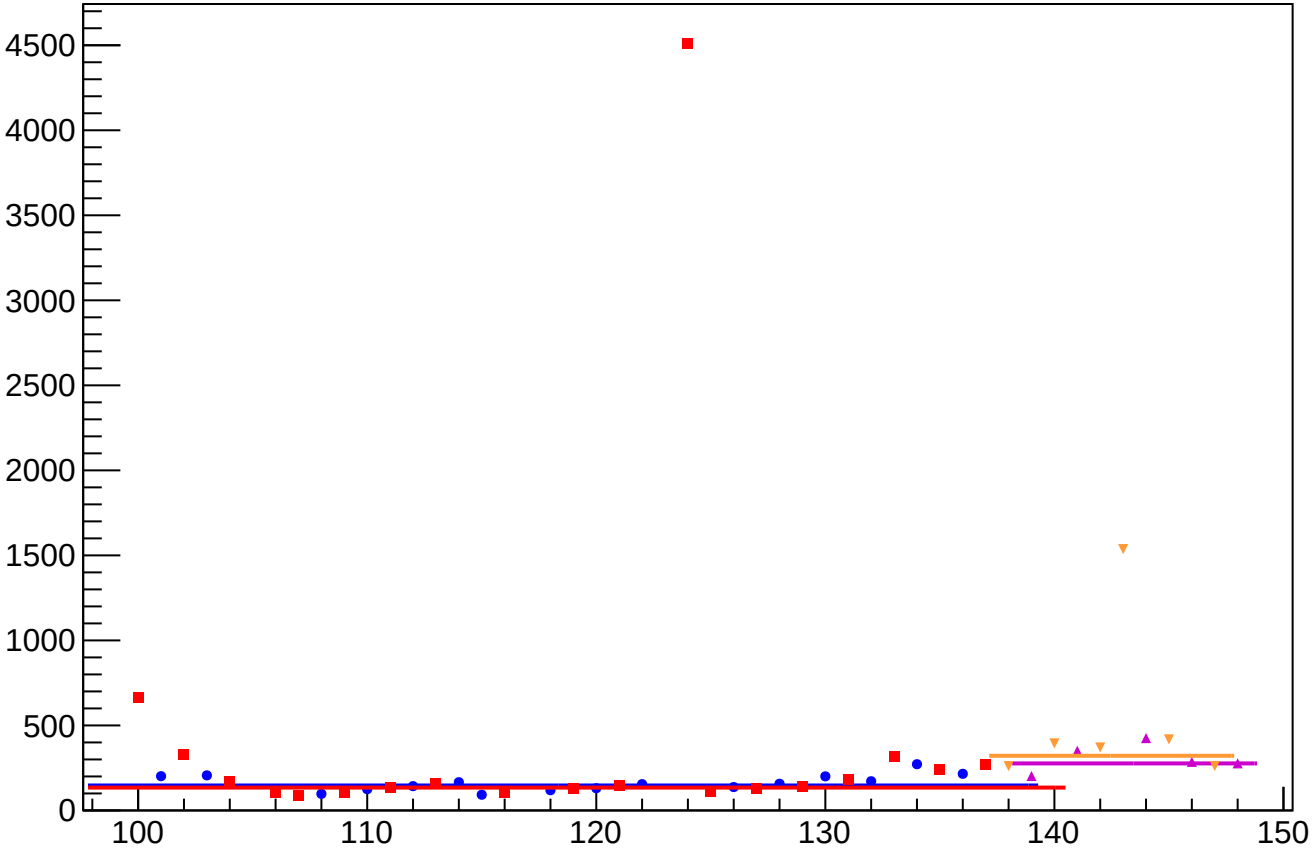
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

Left: 295.097+/-0.075 χ^2/NDF: 1933501.2/10

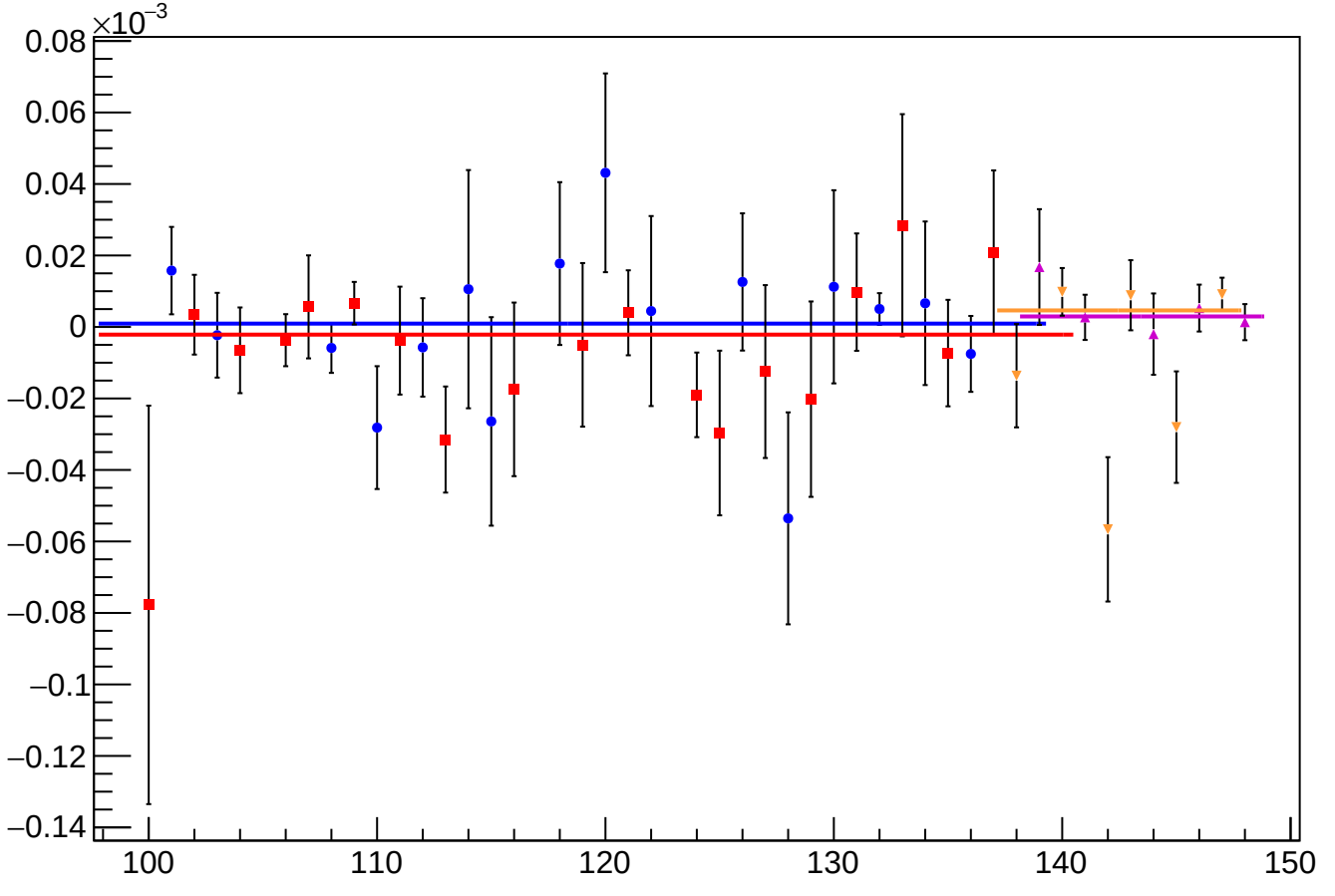
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

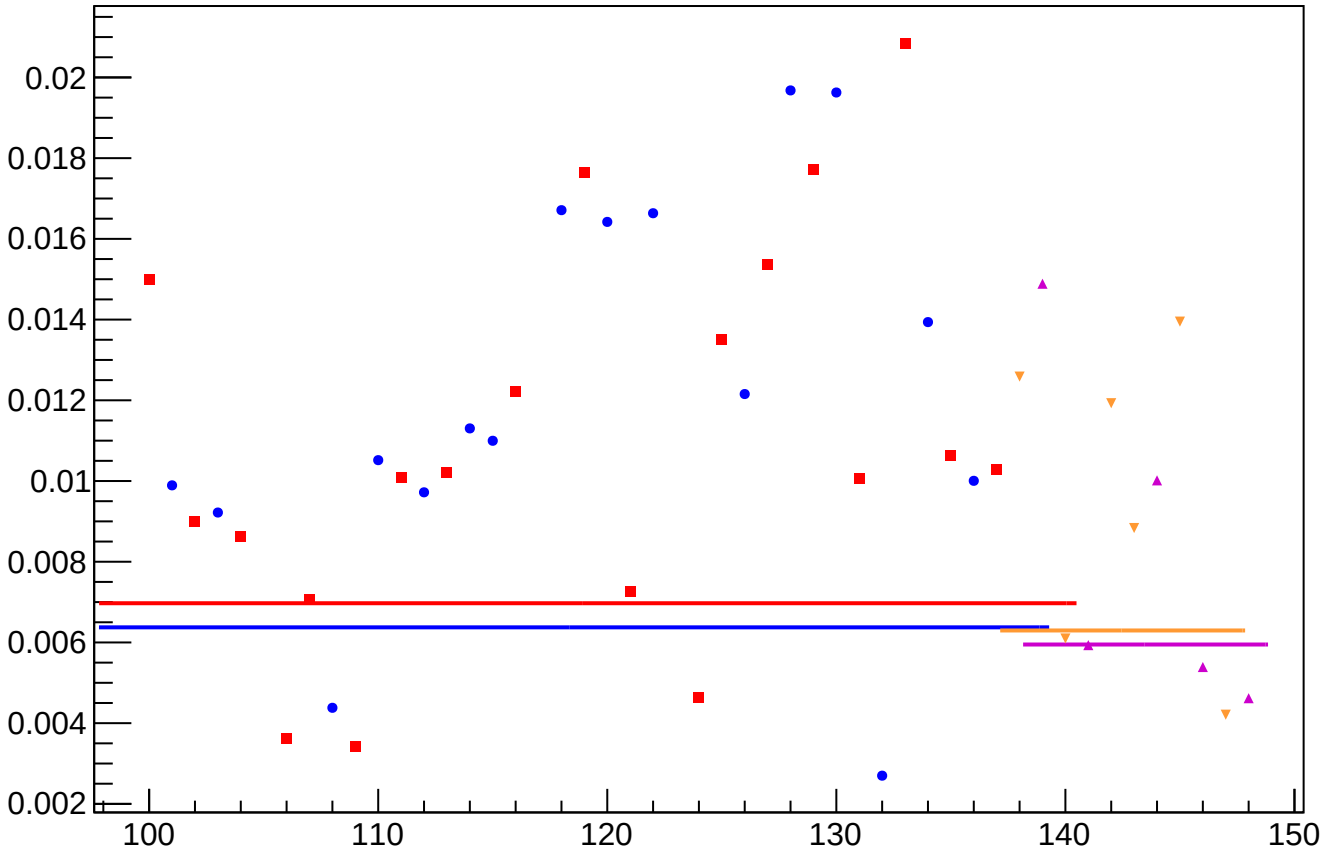
Left: 0.000+/-0.000 χ^2/NDF: 18.2/10

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/20

Out: 0.000+/-0.000 χ^2/NDF:35.3/24

All: 0.000+/-0.000 χ^2/NDF: 51.6/45



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

Left: 0.006+/-0.000 χ^2/NDF: 2587379.1/10

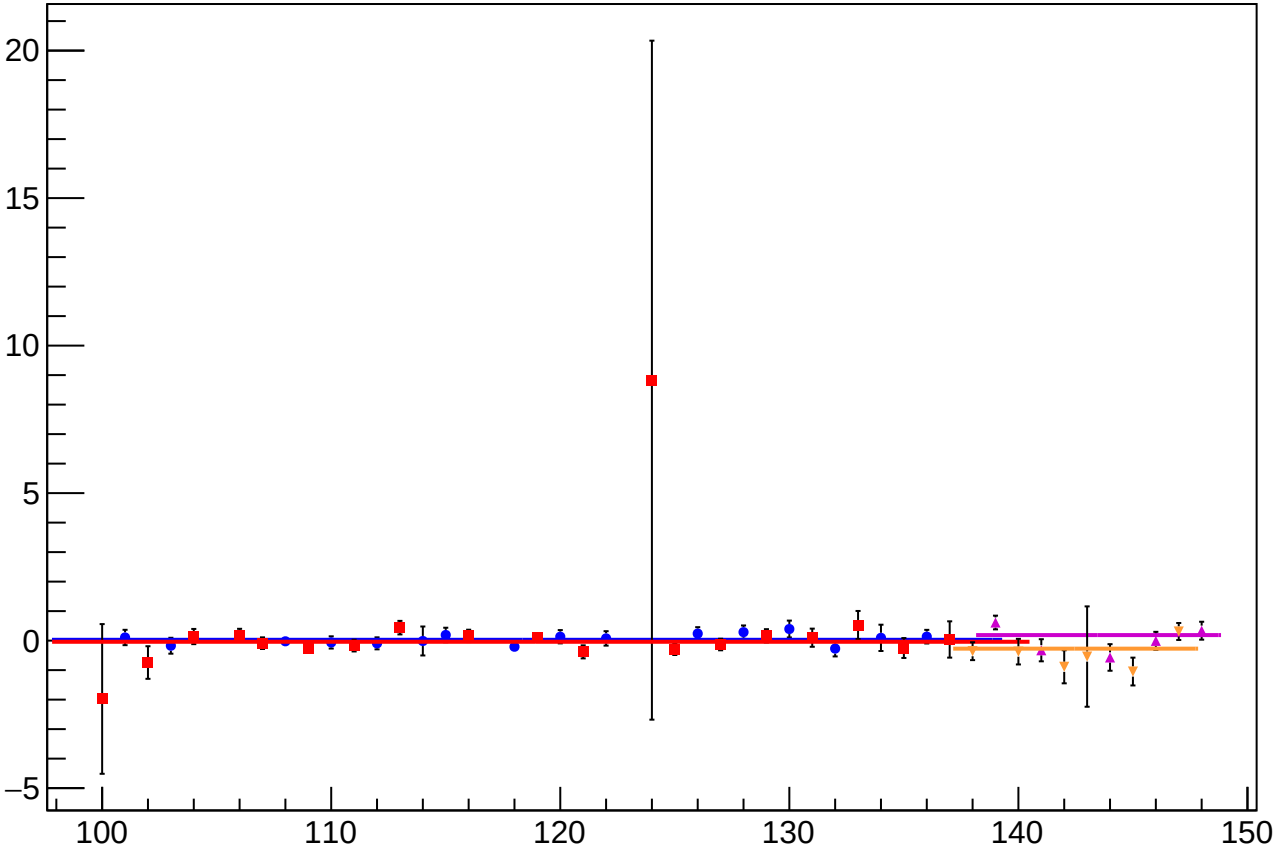
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5677353.4/20

Out: 0.007+/-0.000 χ^2/NDF:5013010.4/24

All: 0.006+/-0.000 χ^2/NDF: 10739816.7/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

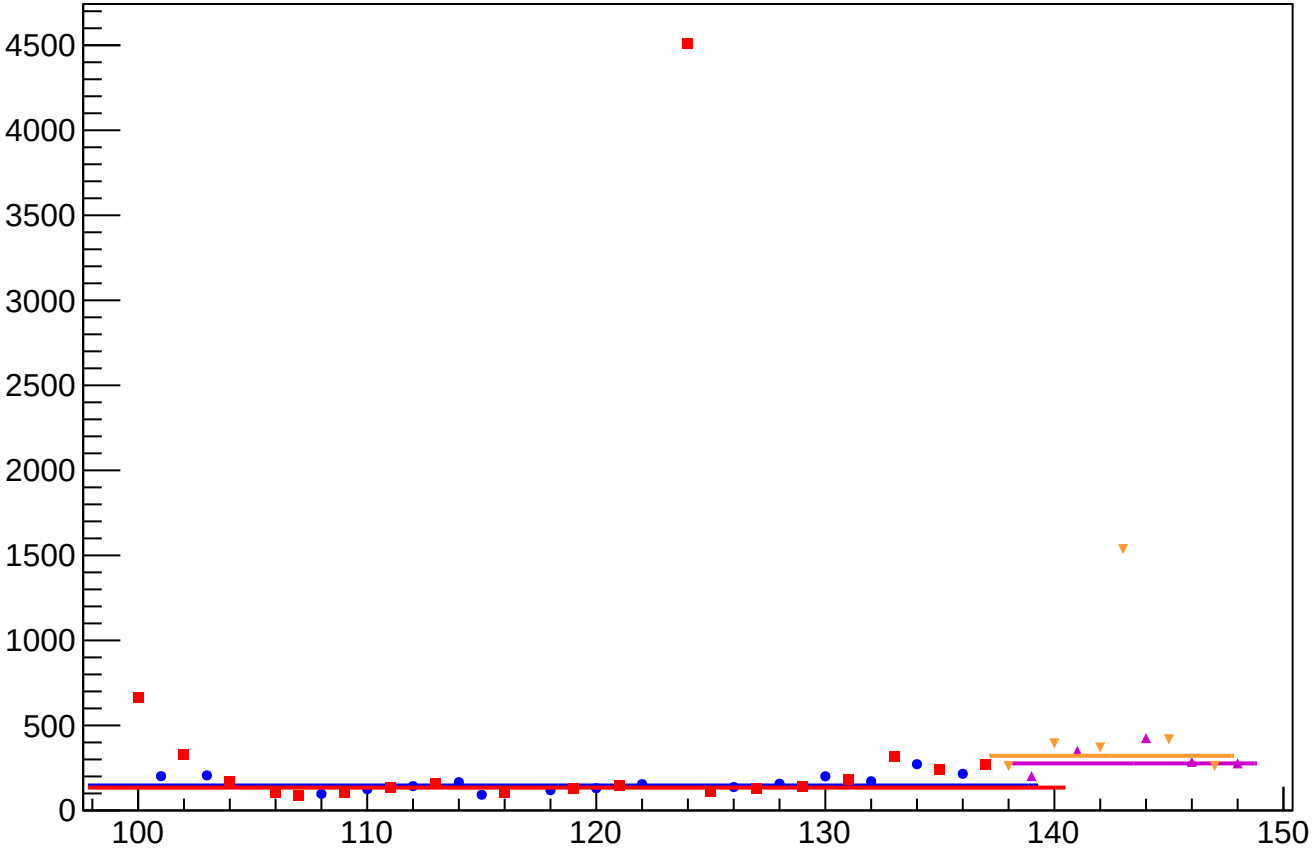
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

Left: 295.101+/-0.075 χ^2/NDF: 1933476.3/10

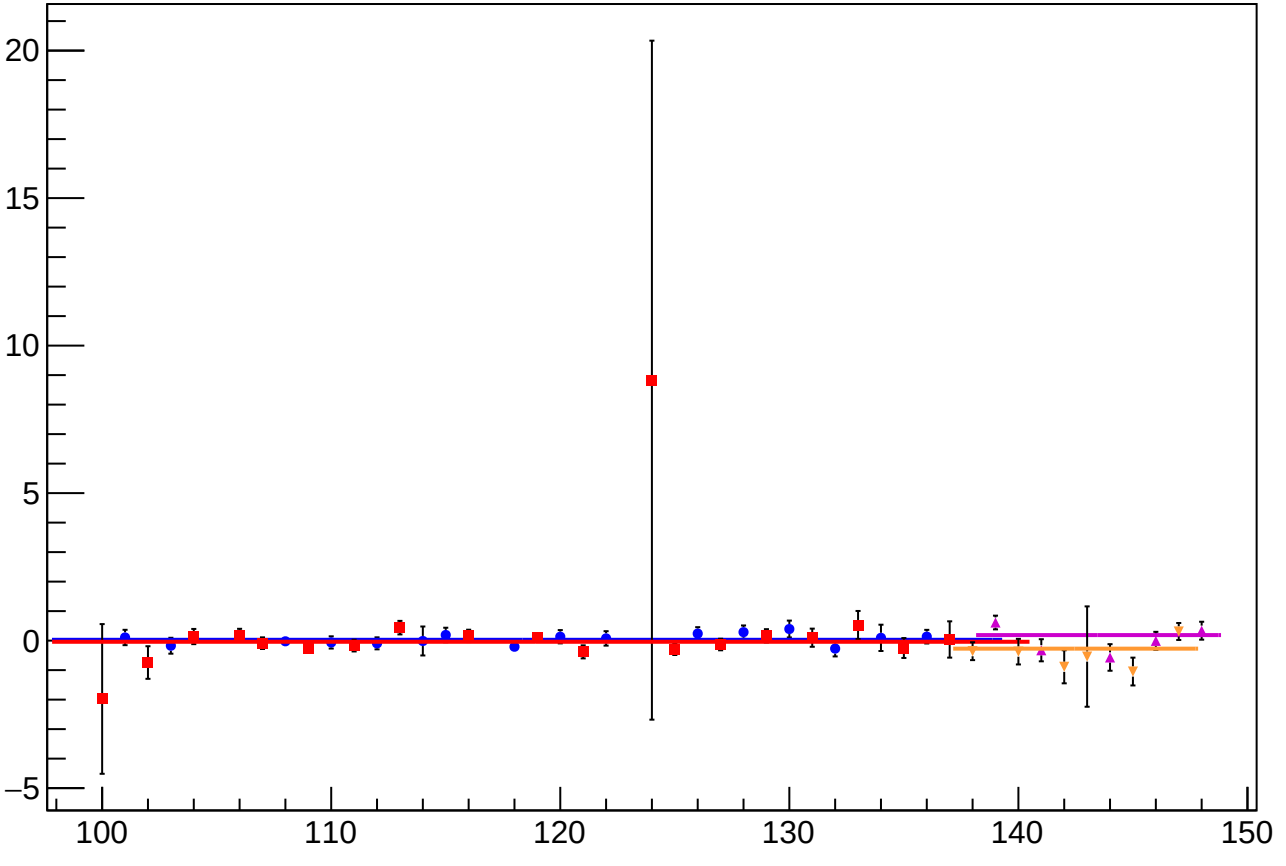
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

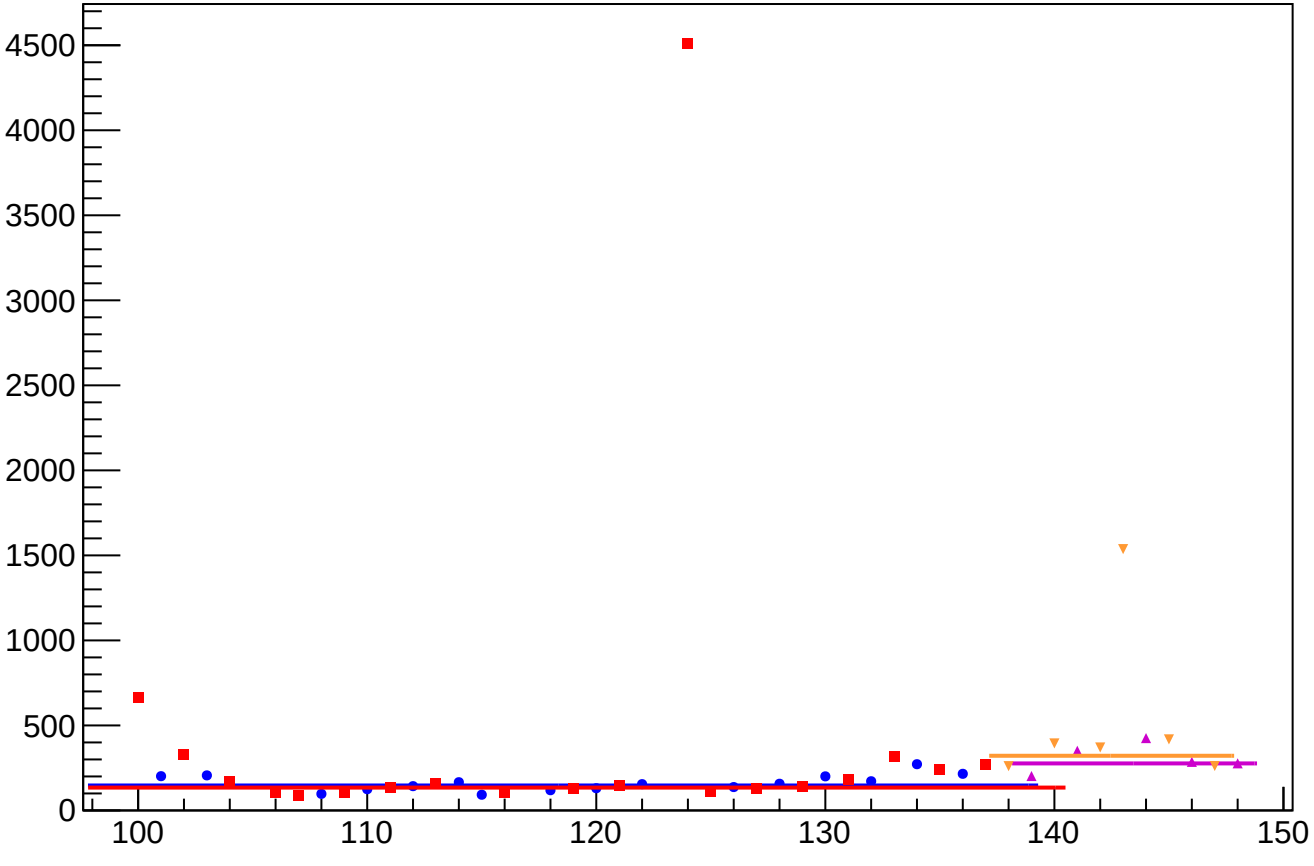
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

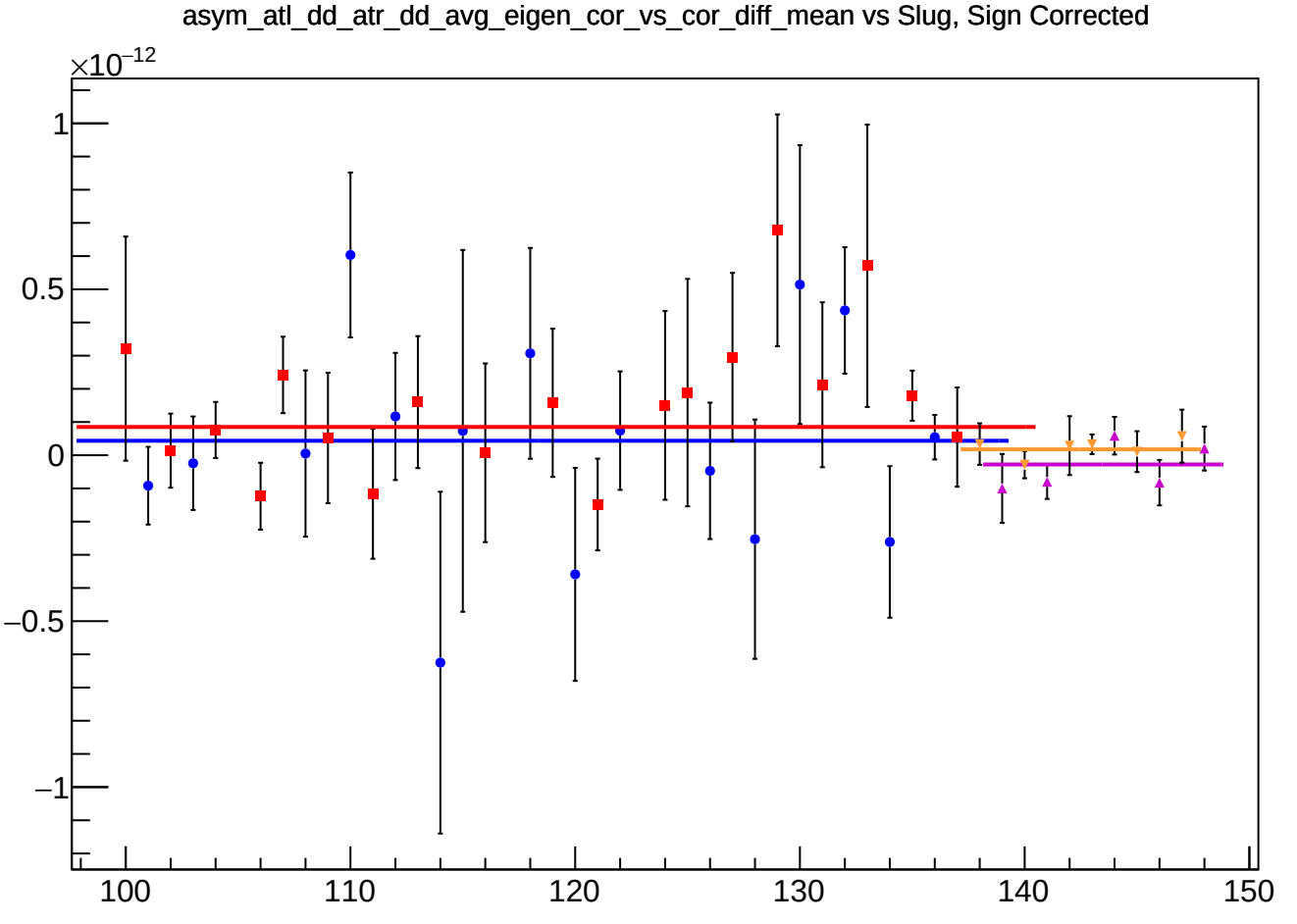
Left: 295.101+/-0.075 χ^2/NDF: 1933476.3/10

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

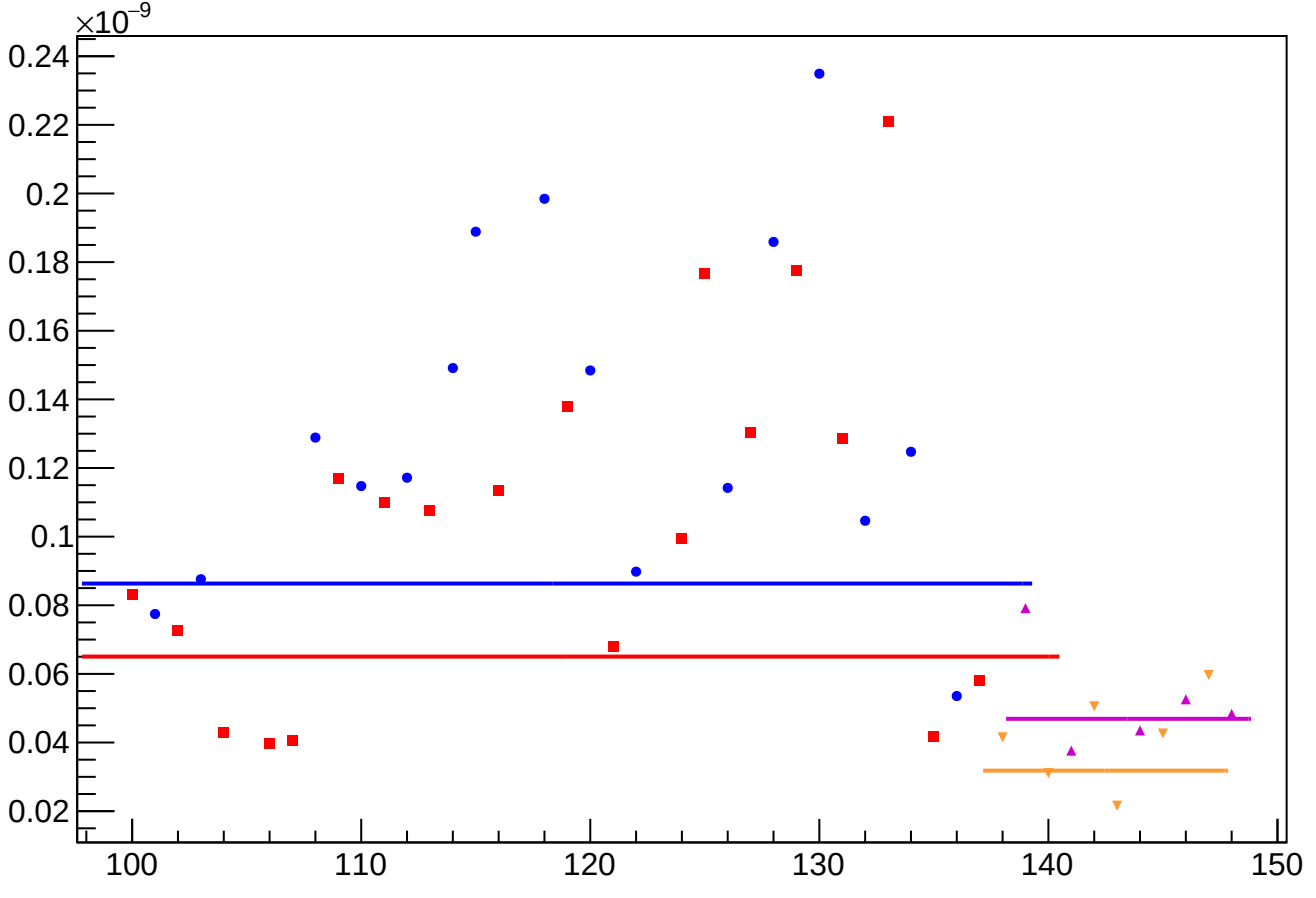
Left: 0.000+/-0.000 χ^2/NDF: 8.6/10

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

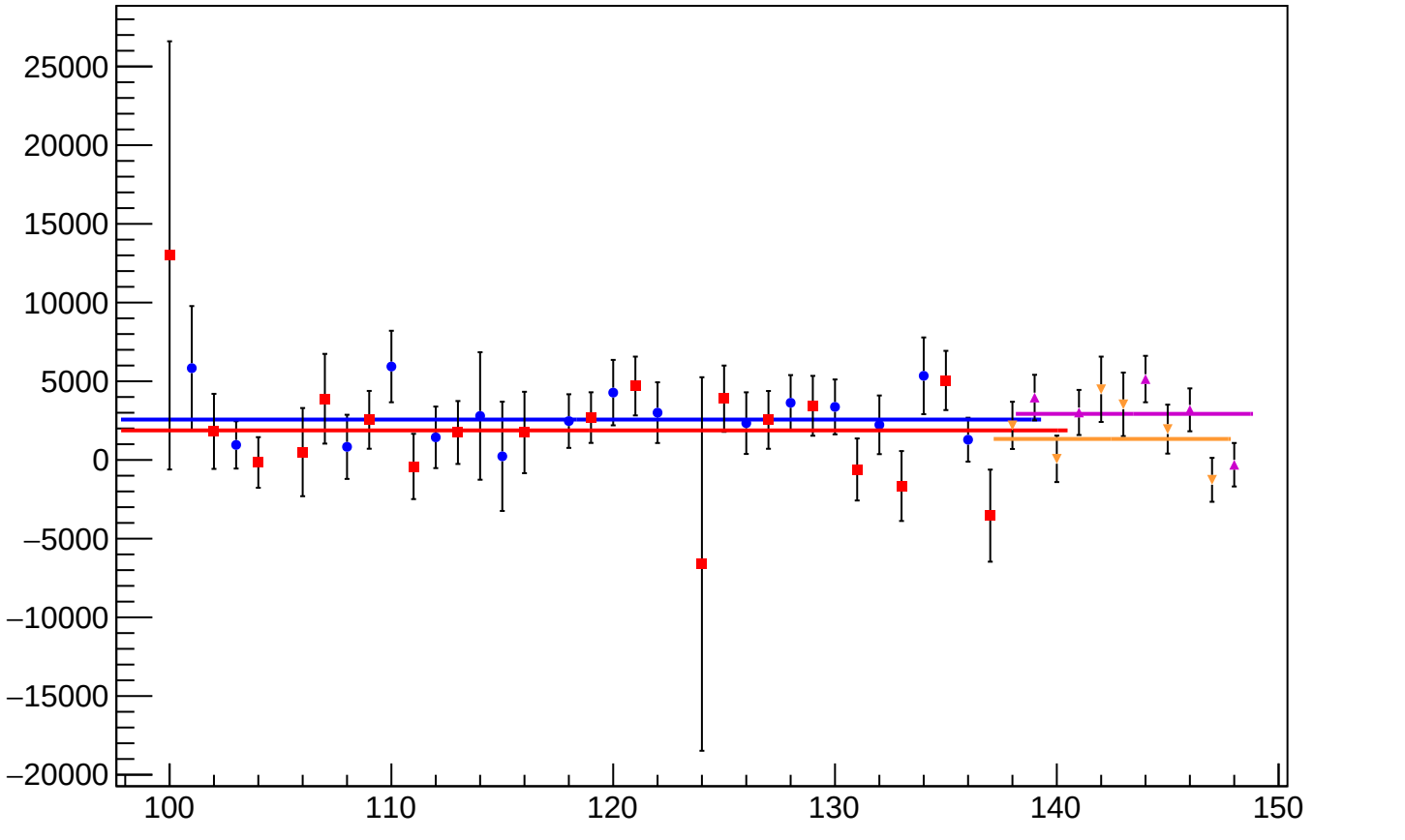
Left: 0.000+/-0.000 χ^2/NDF: 1336710.0/10

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3020389.7/20

Out: 0.000+/-0.000 χ^2/NDF:4251263.5/24

All: 0.000+/-0.000 χ^2/NDF: 8104455.7/45



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.692+/-658.176 χ^2/NDF:8.2/5

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2928.758+/-634.003 χ^2/NDF:8.3/4

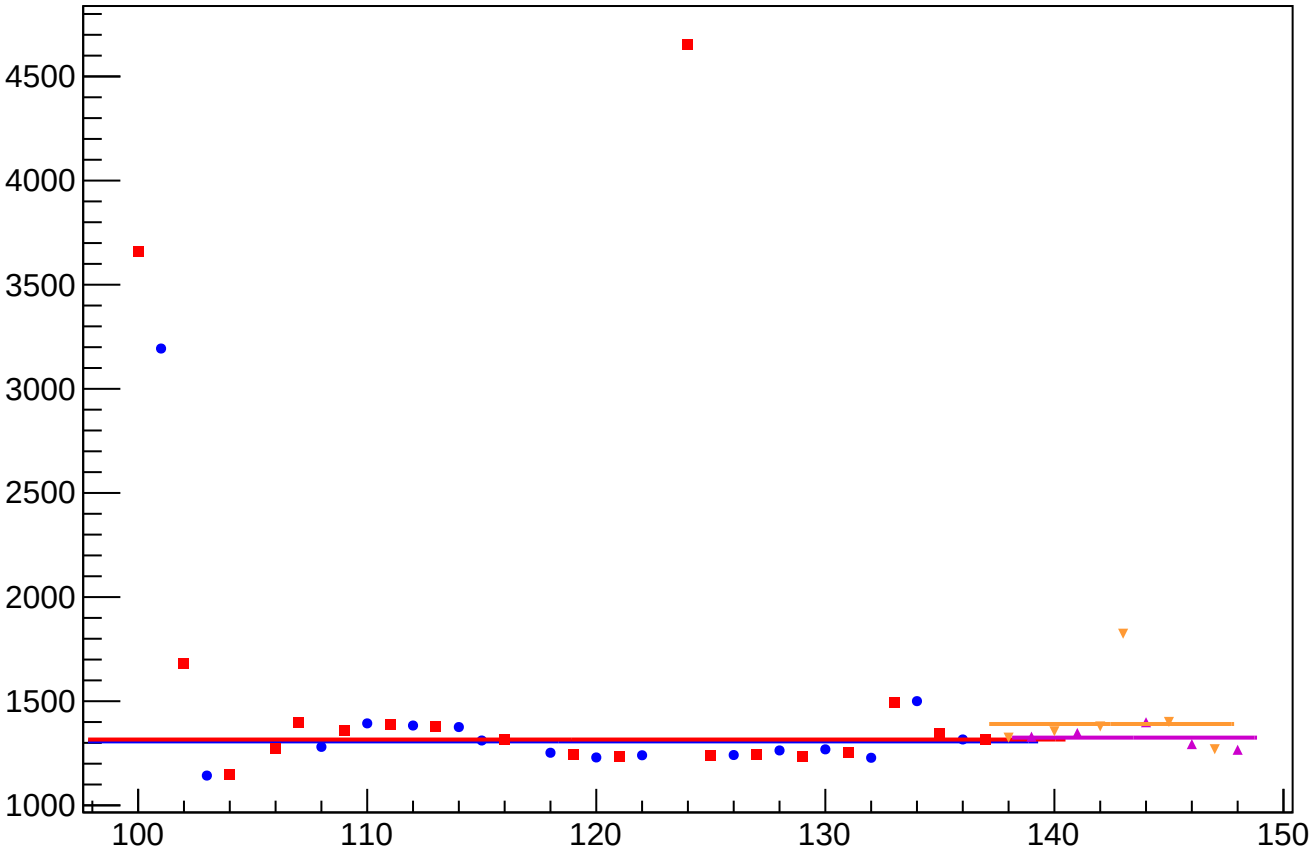
Left: 2161.536+/-456.615 χ^2/NDF: 19.5/10

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2704.415+/-390.344 χ^2/NDF:17.5/20

Out: 1681.877+/-395.462 χ^2/NDF:28.2/24

All: 2199.805+/-277.807 χ^2/NDF: 49.1/45



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

Left: 1356.665+/-0.323 χ^2/NDF: 132793.2/10

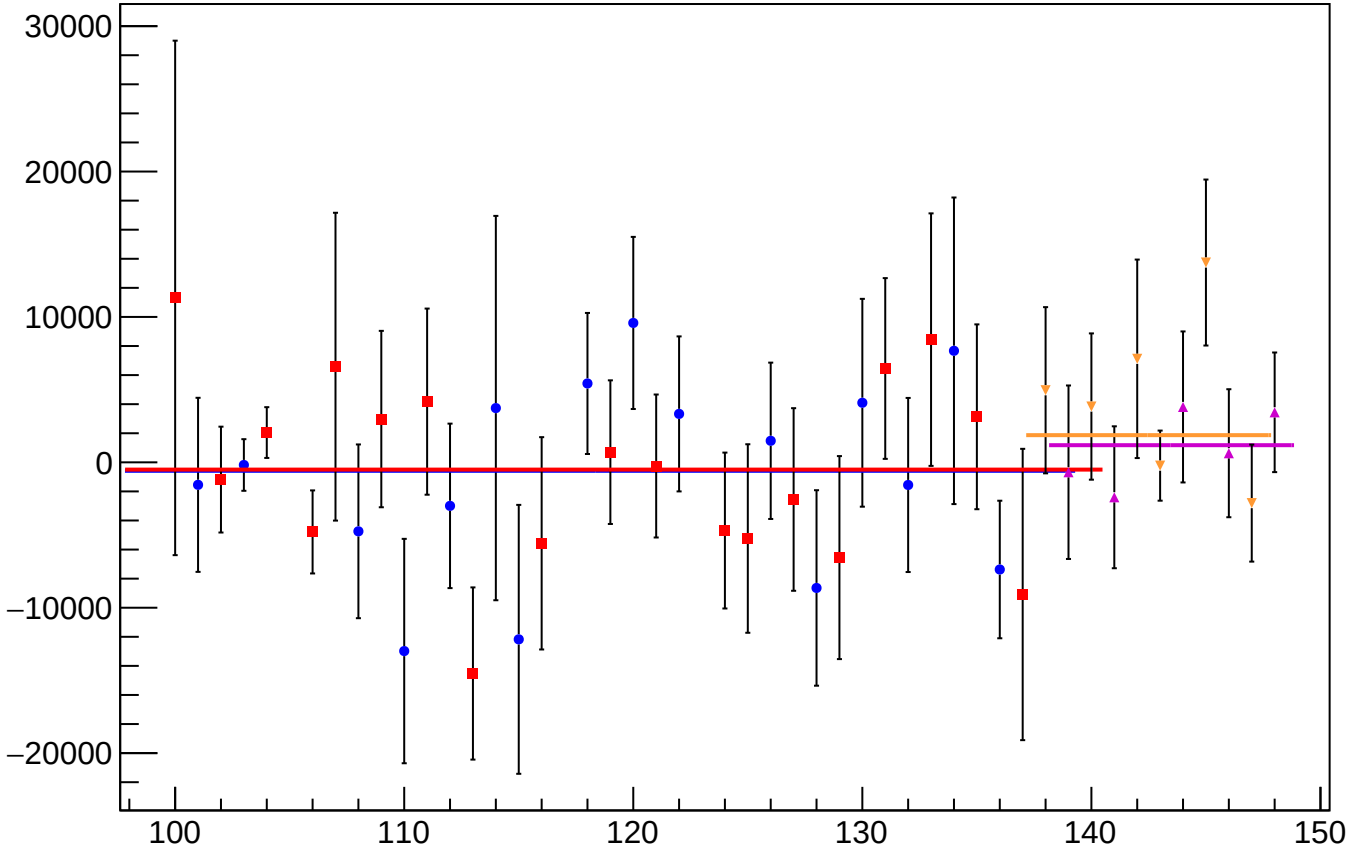
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1313.918+/-0.276 χ^2/NDF:527391.7/20

Out: 1342.853+/-0.279 χ^2/NDF:455273.1/24

All: 1328.222+/-0.196 χ^2/NDF: 988097.4/45

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: 1868.919+/-1675.723 χ^2/NDF:7.5/5

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1179.065+/-2142.497 χ^2/NDF:1.2/4

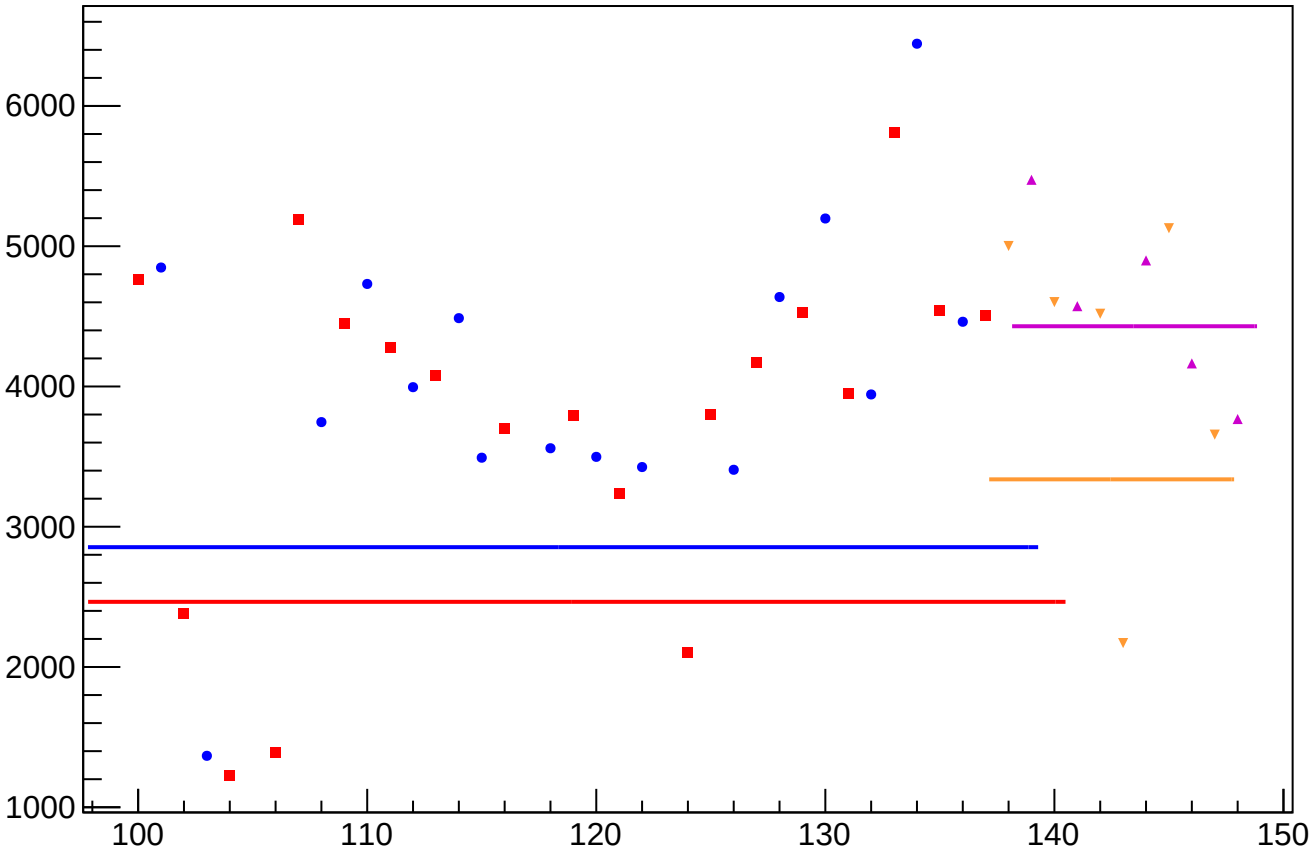
Left: 1607.084+/-1319.944 χ^2/NDF: 8.7/10

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -165.115+/-1042.214 χ^2/NDF:16.5/20

Out: 172.761+/-893.059 χ^2/NDF:26.6/24

All: 29.710+/-678.147 χ^2/NDF: 43.1/45



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3337.857+/-1.185 χ^2/NDF:1033699.7/5

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4429.419+/-1.515 χ^2/NDF:138294.0/4

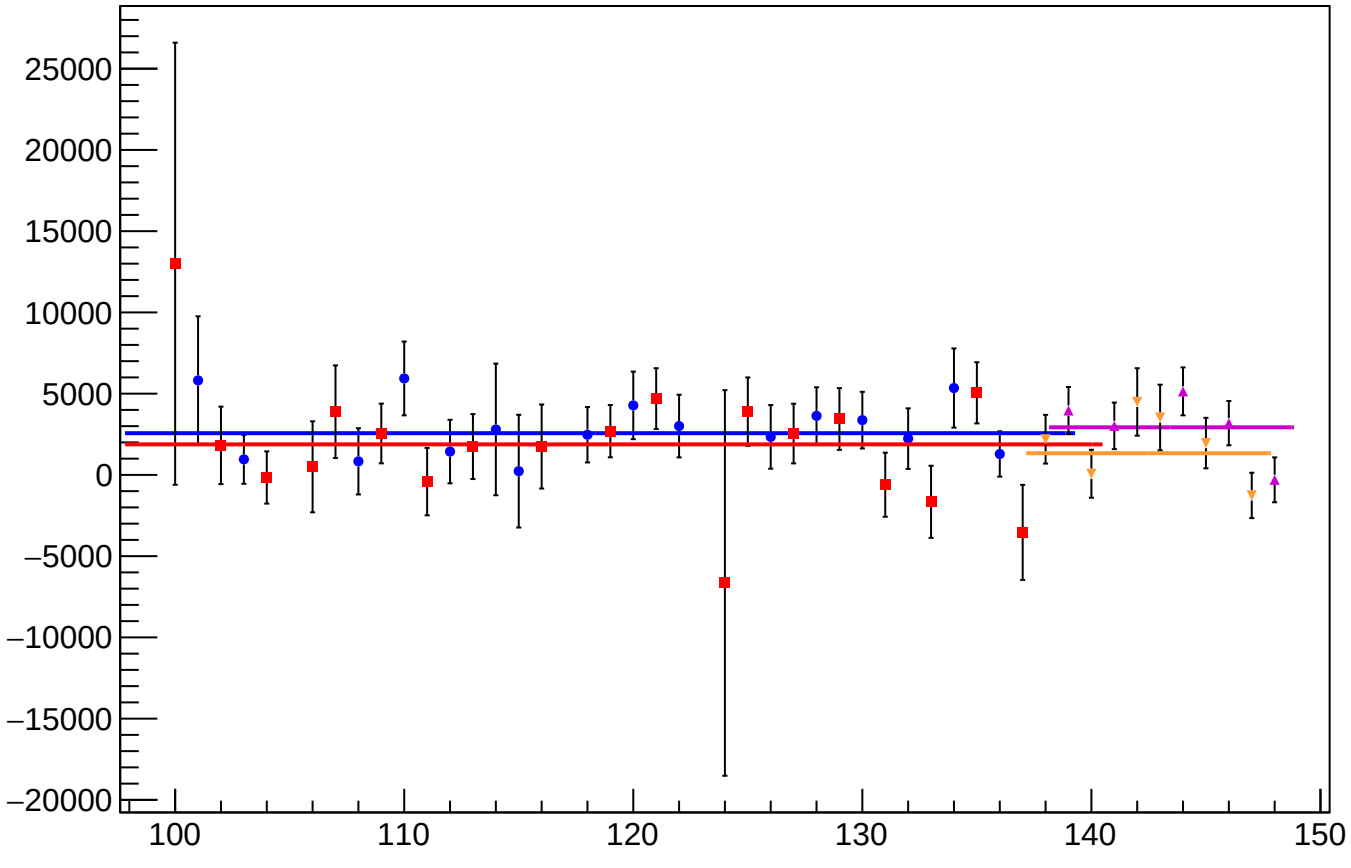
Left: 3752.161+/-0.933 χ^2/NDF: 1494094.9/10

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3227.024+/-0.737 χ^2/NDF:3868299.4/20

Out: 2712.621+/-0.631 χ^2/NDF:4778526.0/24

All: 2930.410+/-0.480 χ^2/NDF: 8927762.4/45



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.711+/-658.176 χ^2/NDF:8.2/5

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2928.998+/-634.003 χ^2/NDF:8.3/4

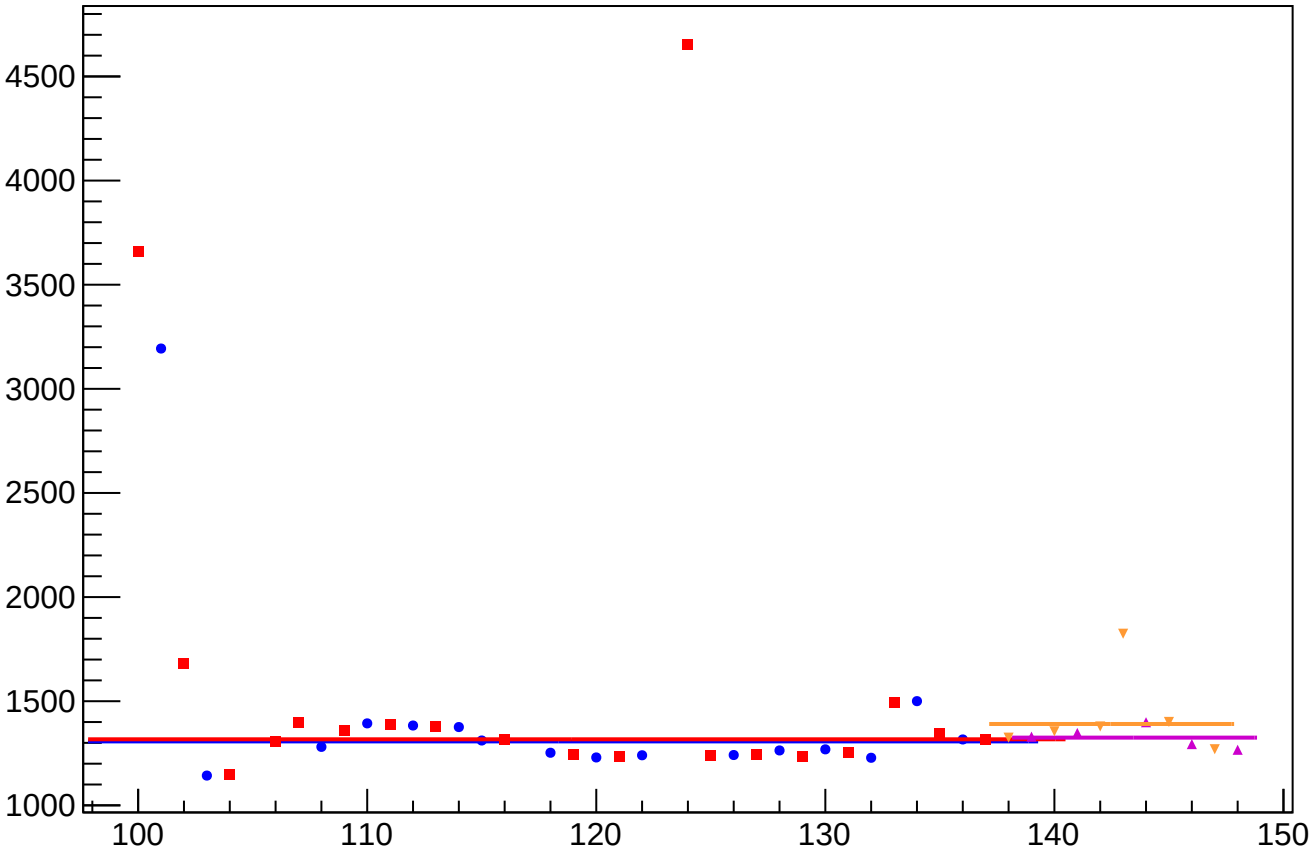
Left: 2161.669+/-456.615 χ^2/NDF: 19.5/10

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2704.333+/-390.344 χ^2/NDF:17.5/20

Out: 1681.720+/-395.462 χ^2/NDF:28.2/24

All: 2199.686+/-277.807 χ^2/NDF: 49.1/45



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

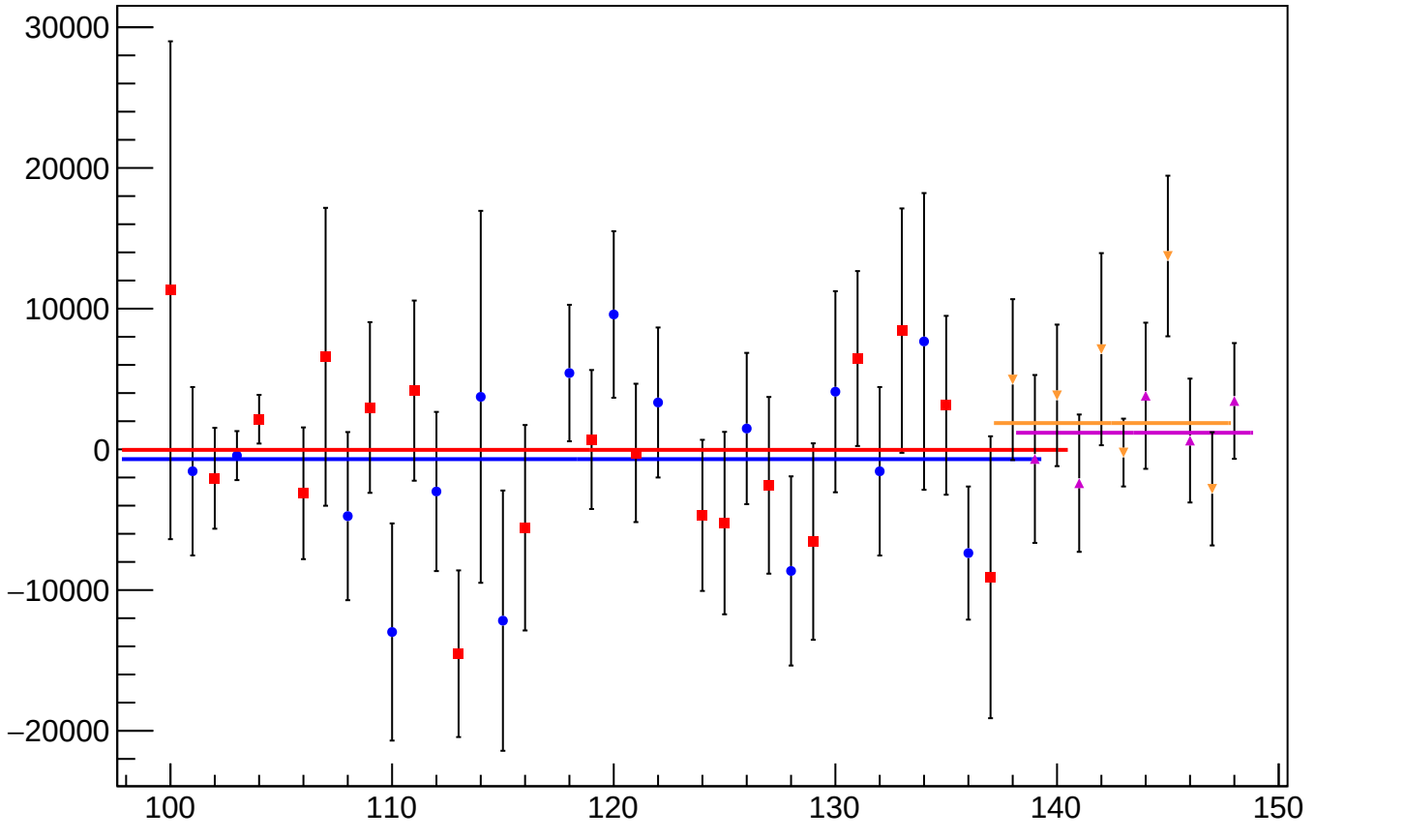
Left: 1356.665+/-0.323 χ^2/NDF: 132793.2/10

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.918+/-0.276 χ^2/NDF:527393.3/20

Out: 1343.603+/-0.279 χ^2/NDF:454276.2/24

All: 1328.585+/-0.196 χ^2/NDF: 987384.4/45



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1179.100+/-2142.495 χ^2/NDF:1.2/4

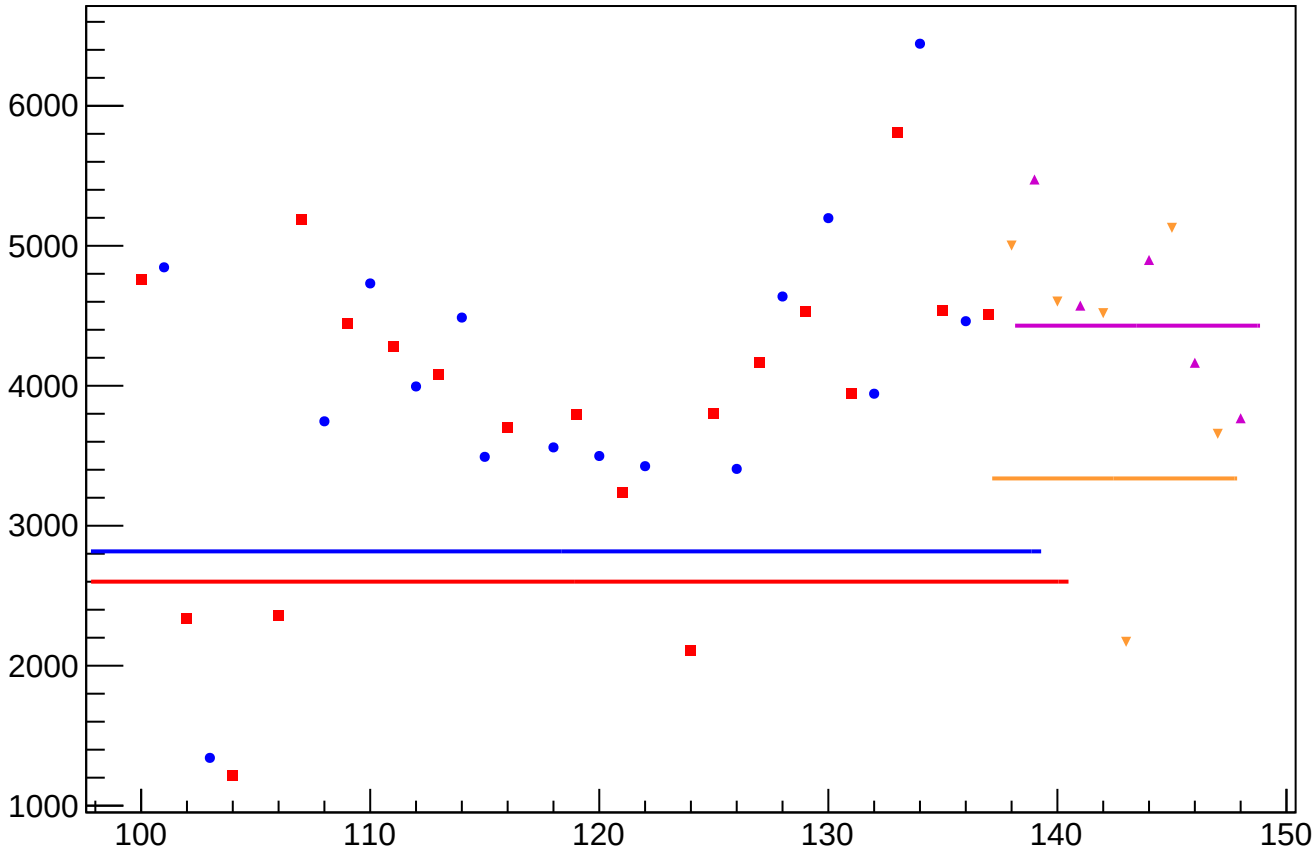
Left: 1607.106+/-1319.938 χ^2/NDF: 8.7/10

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -257.636+/-1035.237 χ^2/NDF:16.5/20

Out: 536.271+/-918.525 χ^2/NDF:24.3/24

All: 186.574+/-687.069 χ^2/NDF: 41.1/45



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

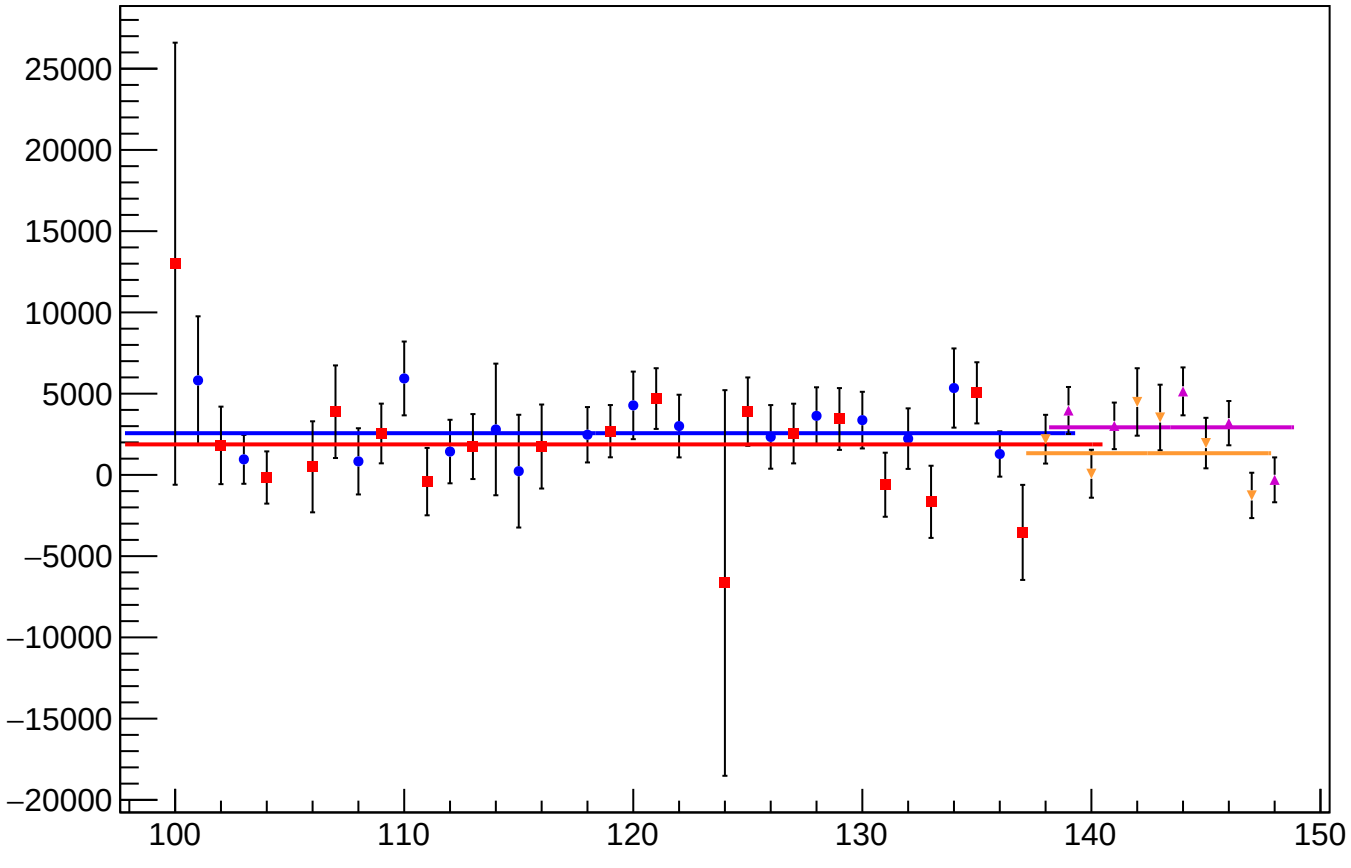
Left: 3752.138+/-0.933 χ^2/NDF: 1494144.7/10

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3193.292+/-0.732 χ^2/NDF:4014399.7/20

Out: 2822.053+/-0.649 χ^2/NDF:4385359.5/24

All: 2985.575+/-0.486 χ^2/NDF: 8543664.5/45



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.711+/-658.176 χ^2/NDF:8.2/5

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2928.998+/-634.003 χ^2/NDF:8.3/4

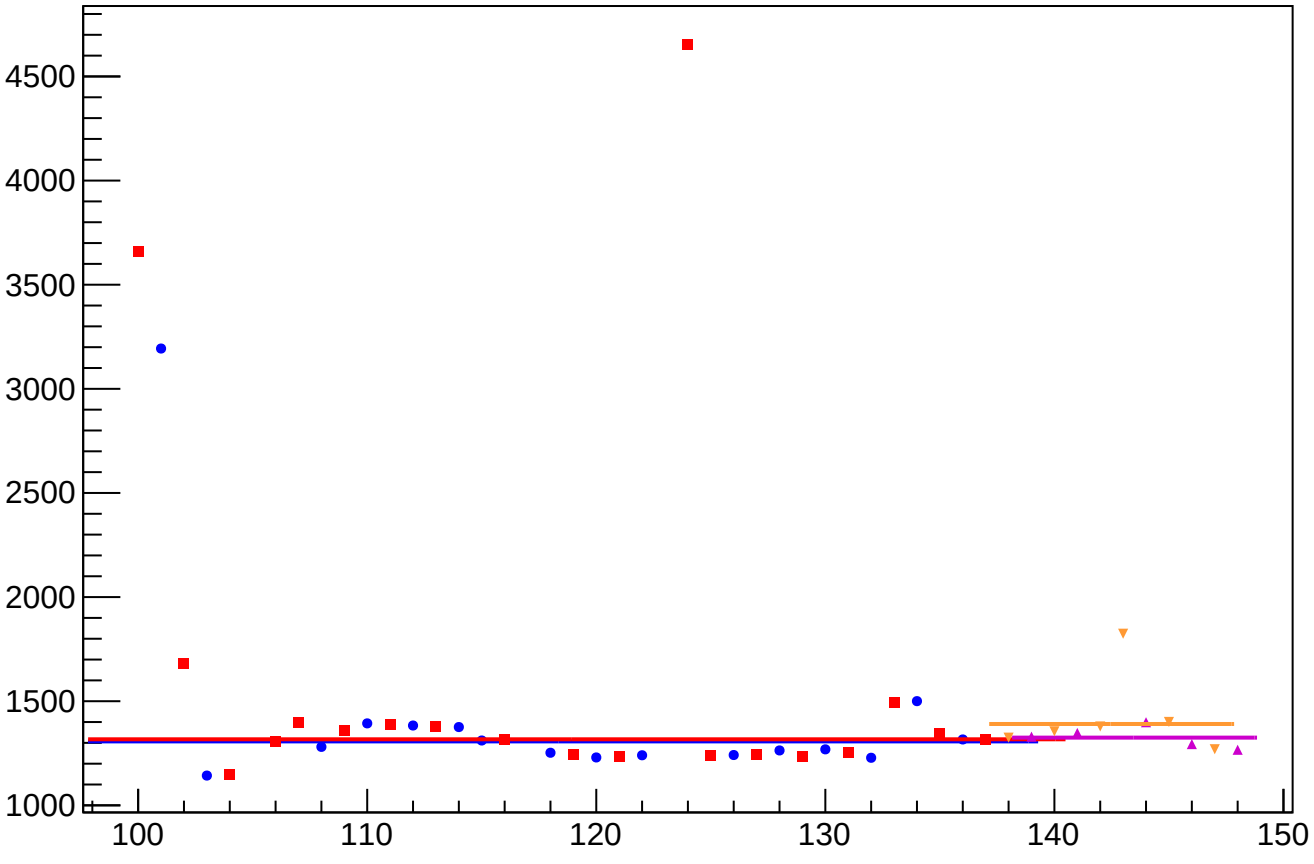
Left: 2161.669+/-456.615 χ^2/NDF: 19.5/10

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2704.333+/-390.344 χ^2/NDF:17.5/20

Out: 1681.720+/-395.462 χ^2/NDF:28.2/24

All: 2199.686+/-277.807 χ^2/NDF: 49.1/45



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1325.139+/-0.448 χ^2/NDF:10133.7/4

Left: 1356.665+/-0.323 χ^2/NDF: 132793.2/10

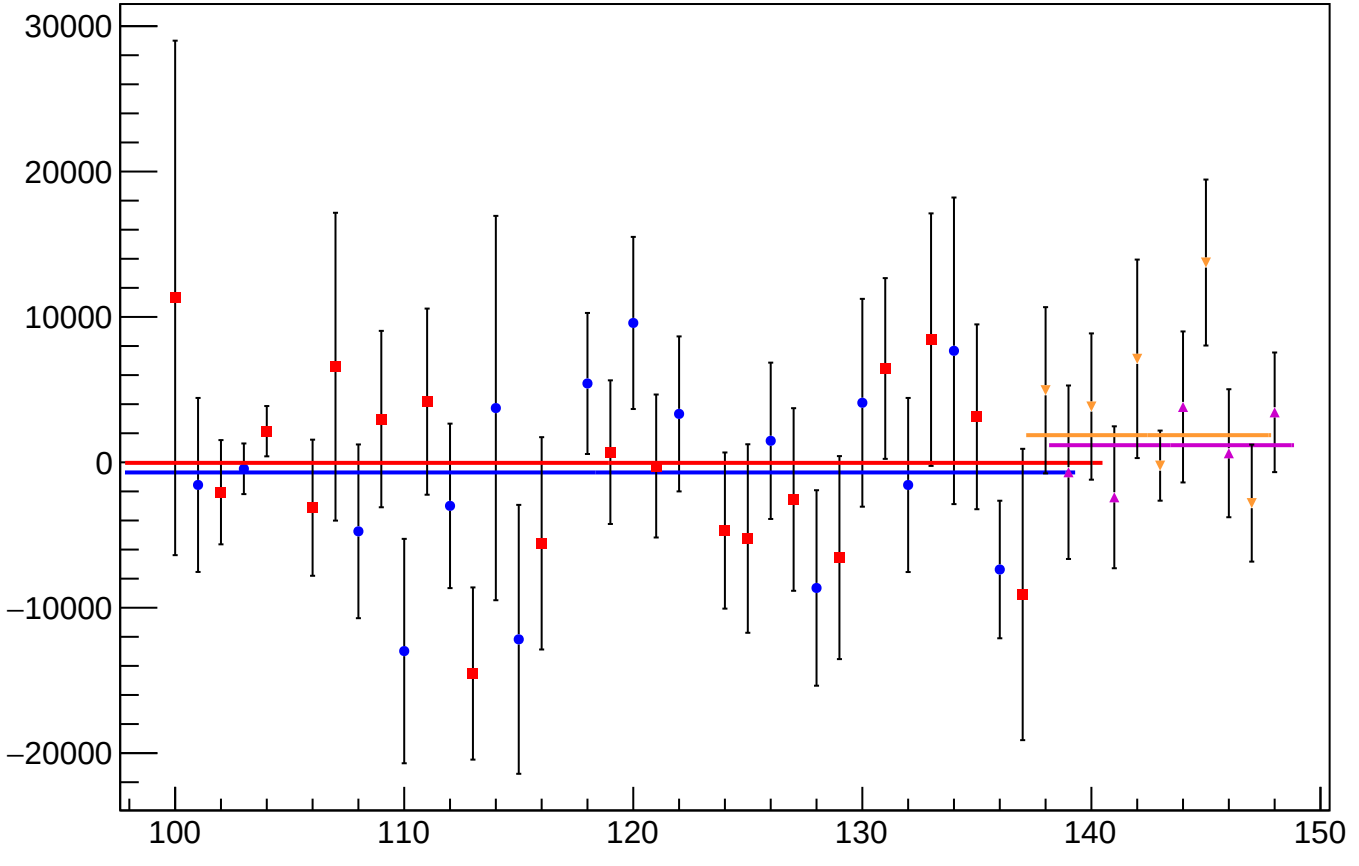
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.918+/-0.276 χ^2/NDF:527393.3/20

Out: 1343.603+/-0.279 χ^2/NDF:454276.2/24

All: 1328.585+/-0.196 χ^2/NDF: 987384.4/45

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1179.100+/-2142.495 χ^2/NDF:1.2/4

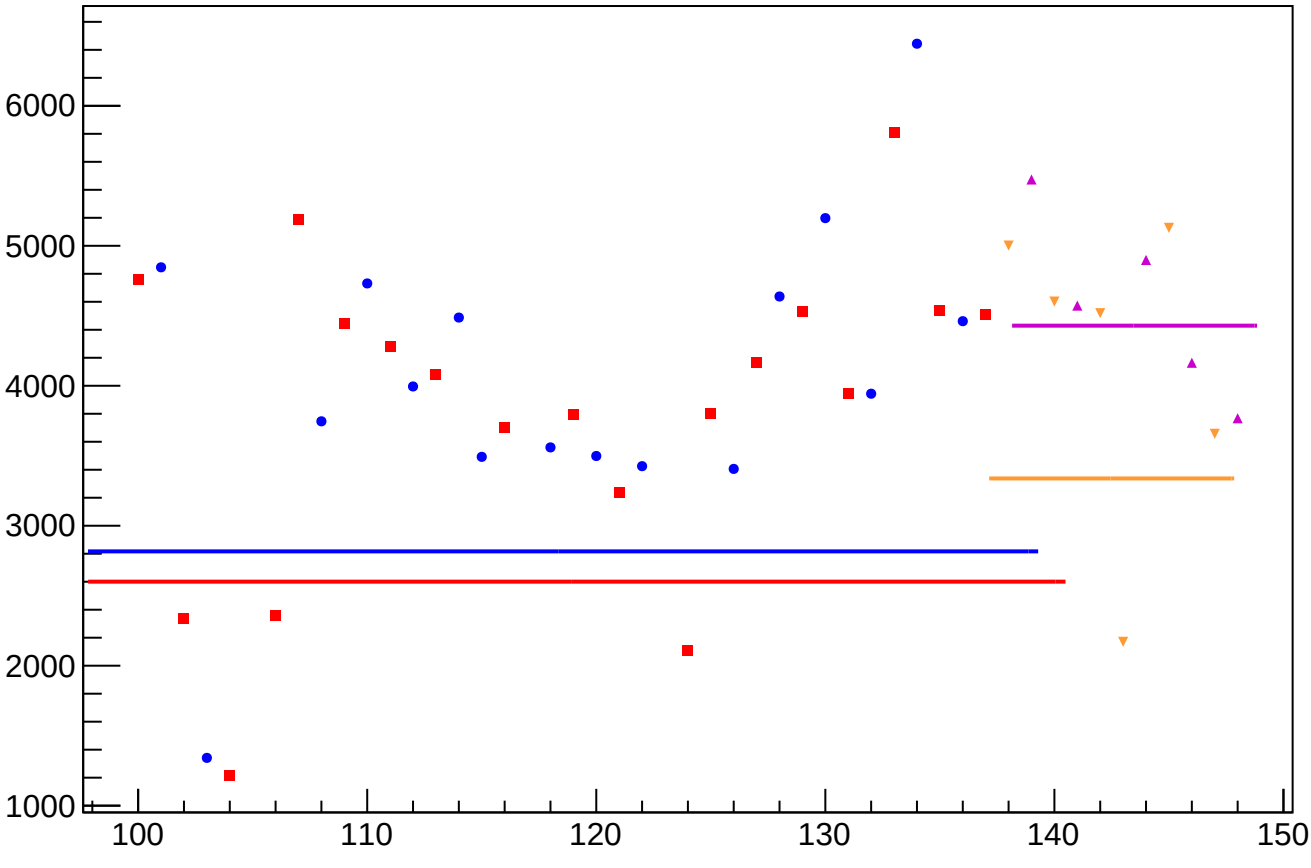
Left: 1607.106+/-1319.938 χ^2/NDF: 8.7/10

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -257.636+/-1035.237 χ^2/NDF:16.5/20

Out: 536.271+/-918.525 χ^2/NDF:24.3/24

All: 186.574+/-687.069 χ^2/NDF: 41.1/45



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

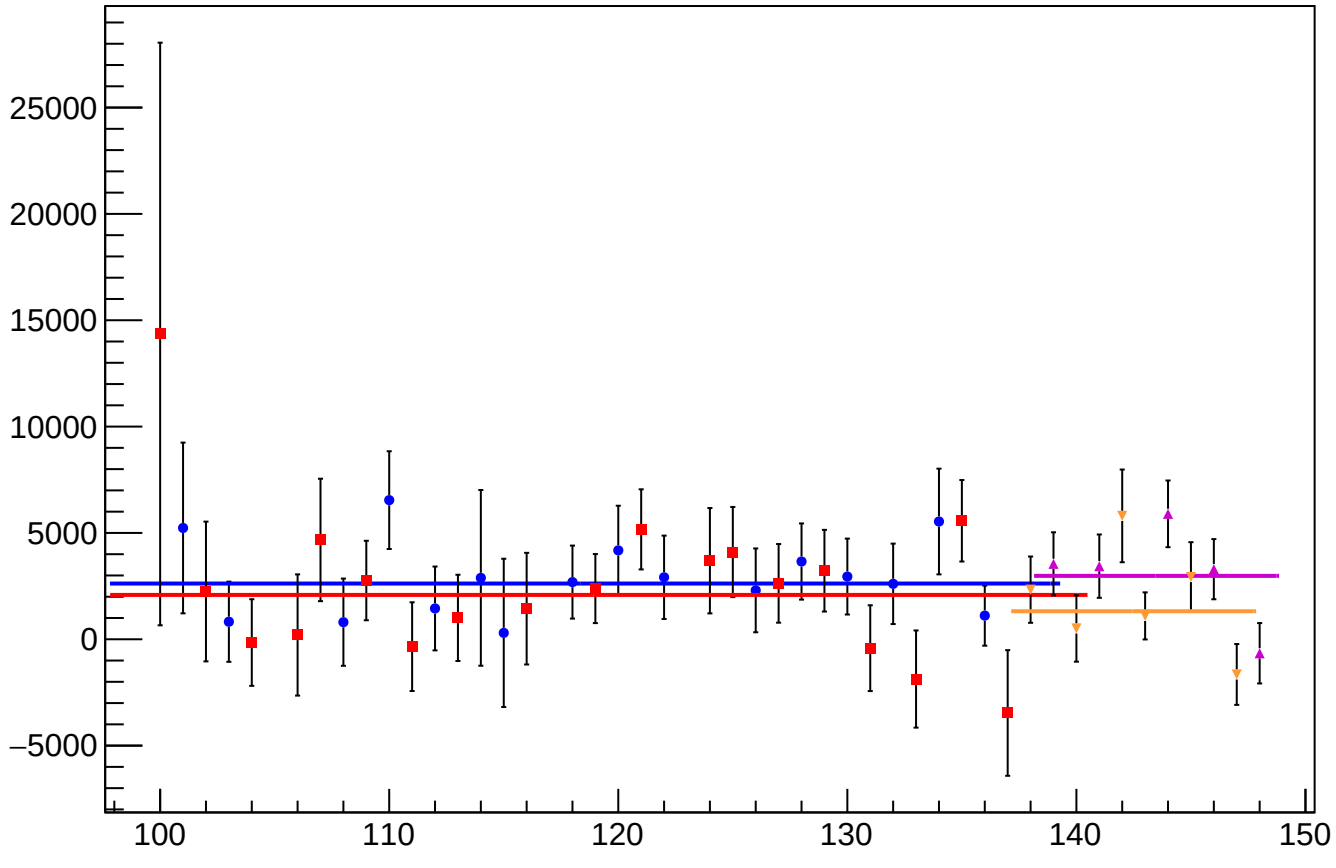
Left: 3752.138+/-0.933 χ^2/NDF: 1494144.7/10

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3193.292+/-0.732 χ^2/NDF:4014399.7/20

Out: 2822.053+/-0.649 χ^2/NDF:4385359.5/24

All: 2985.575+/-0.486 χ^2/NDF: 8543664.5/45



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1318.140+/-607.393 χ^2/NDF:10.3/5

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2981.492+/-658.071 χ^2/NDF:10.3/4

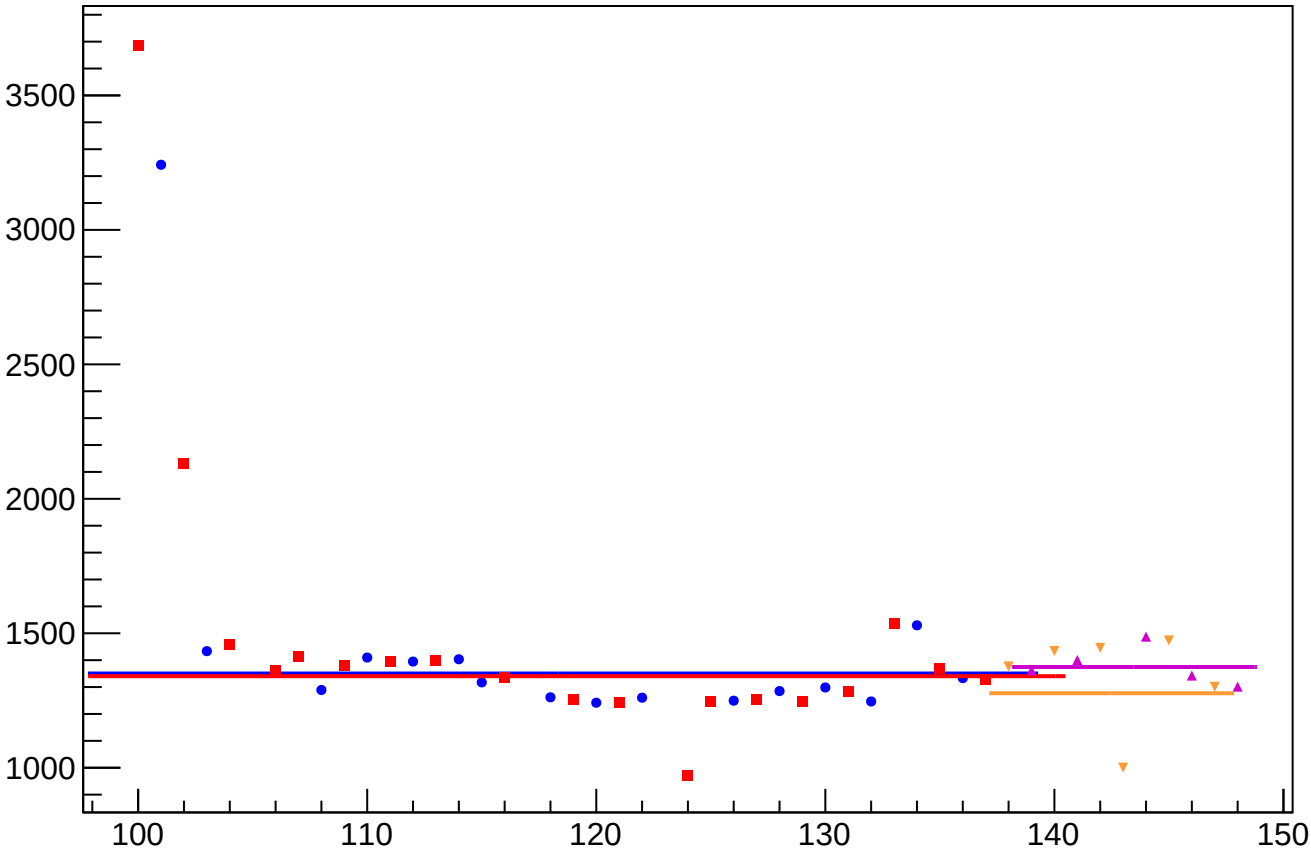
Left: 2083.311+/-446.334 χ^2/NDF: 24.0/10

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2756.481+/-403.858 χ^2/NDF:19.8/20

Out: 1772.016+/-388.259 χ^2/NDF:32.1/24

All: 2244.869+/-279.893 χ^2/NDF: 55.1/45



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1277.032+/-0.429 χ^2/NDF:194582.3/5

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1374.617+/-0.465 χ^2/NDF:17407.5/4

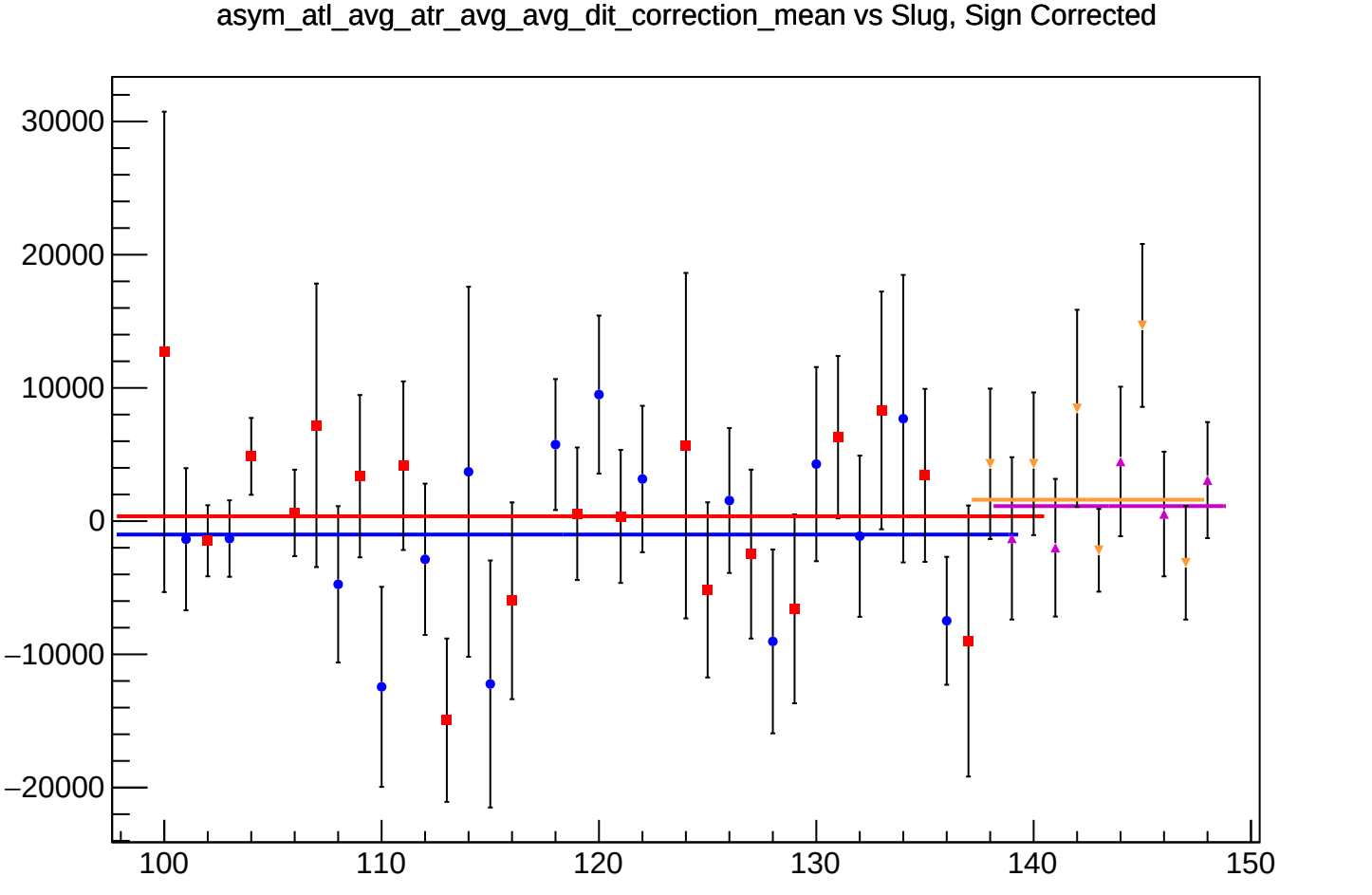
Left: 1321.923+/-0.316 χ^2/NDF: 235738.1/10

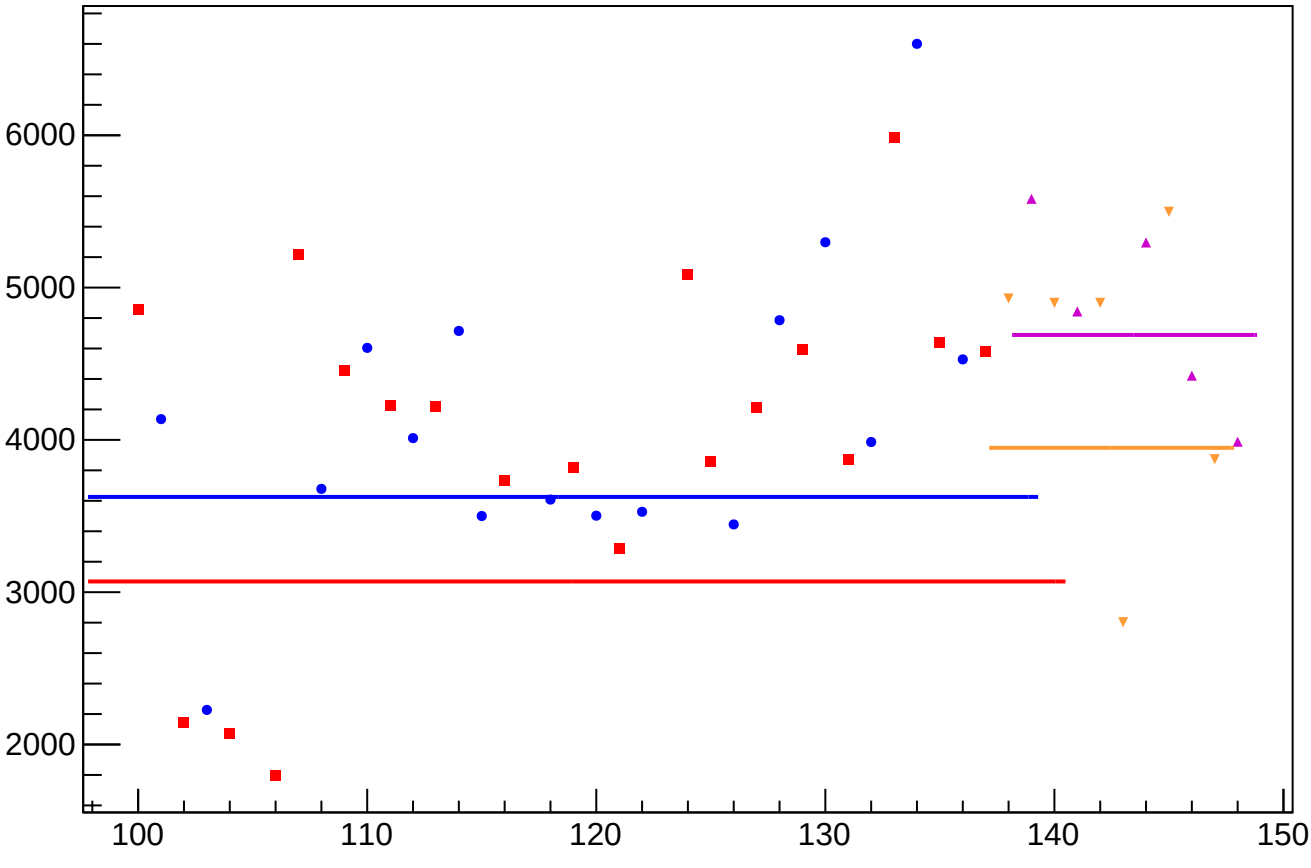
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1359.502+/-0.286 χ^2/NDF:513151.3/20

Out: 1314.544+/-0.274 χ^2/NDF:479657.9/24

All: 1336.129+/-0.198 χ^2/NDF: 1005694.1/45


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: 1605.646+/-1924.984 χ²/NDF:8.6/5
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1127.357+/-2266.998 χ²/NDF:1.1/4
Left: 1405.266+/-1467.348 χ²/NDF: 9.8/10
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -414.842+/-1193.908 χ²/NDF:16.3/20
Out: 712.875+/-1019.863 χ²/NDF:25.2/24
All: 237.132+/-775.456 χ²/NDF: 42.0/45



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3947.882+/-1.361 χ^2/NDF:557257.5/5

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4689.027+/-1.603 χ^2/NDF:126634.4/4

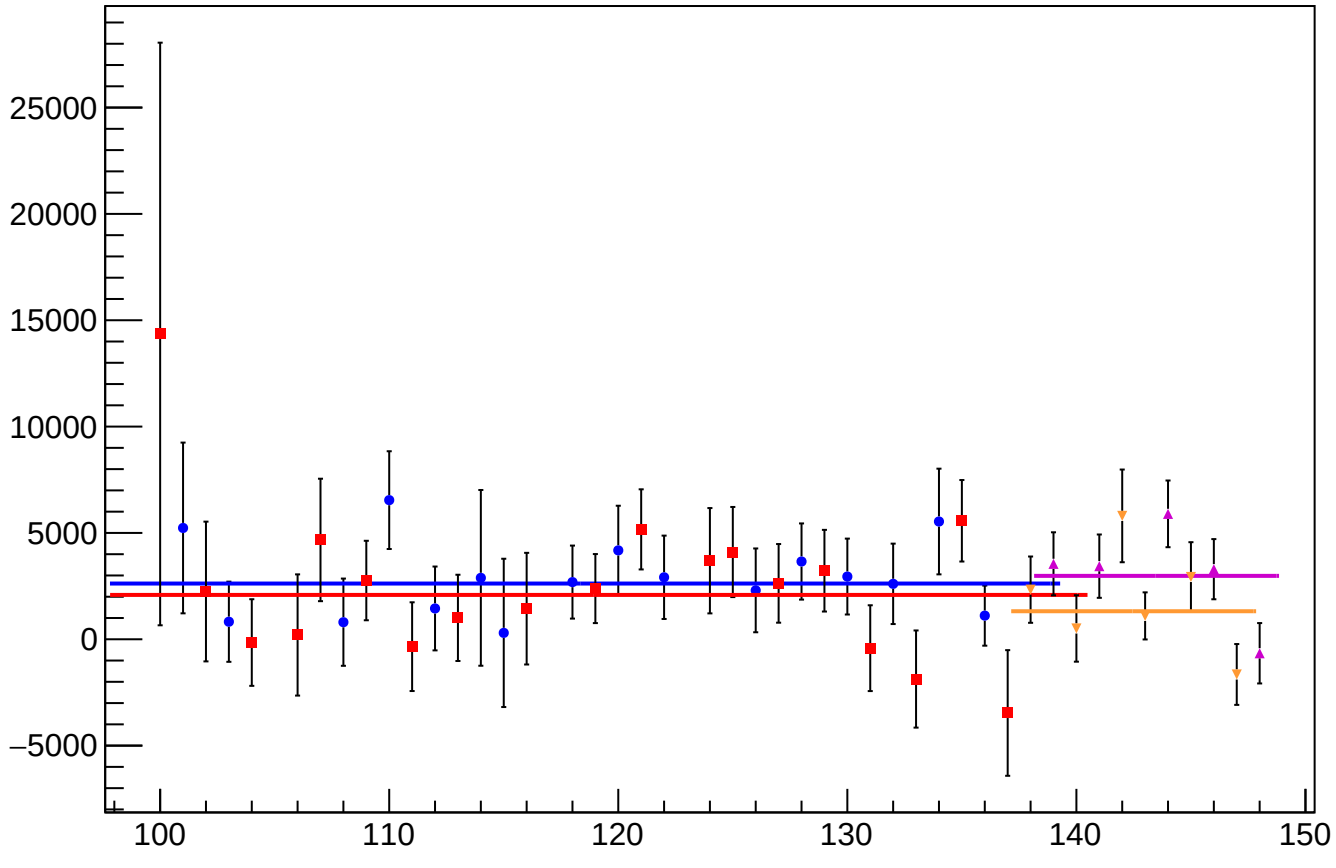
Left: 4258.386+/-1.038 χ^2/NDF: 808098.8/10

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3920.485+/-0.844 χ^2/NDF:1389621.7/20

Out: 3316.732+/-0.721 χ^2/NDF:2694816.5/24

All: 3571.434+/-0.548 χ^2/NDF: 4380128.3/45



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1318.144+/-607.393 χ^2/NDF:10.3/5

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2981.487+/-658.071 χ^2/NDF:10.3/4

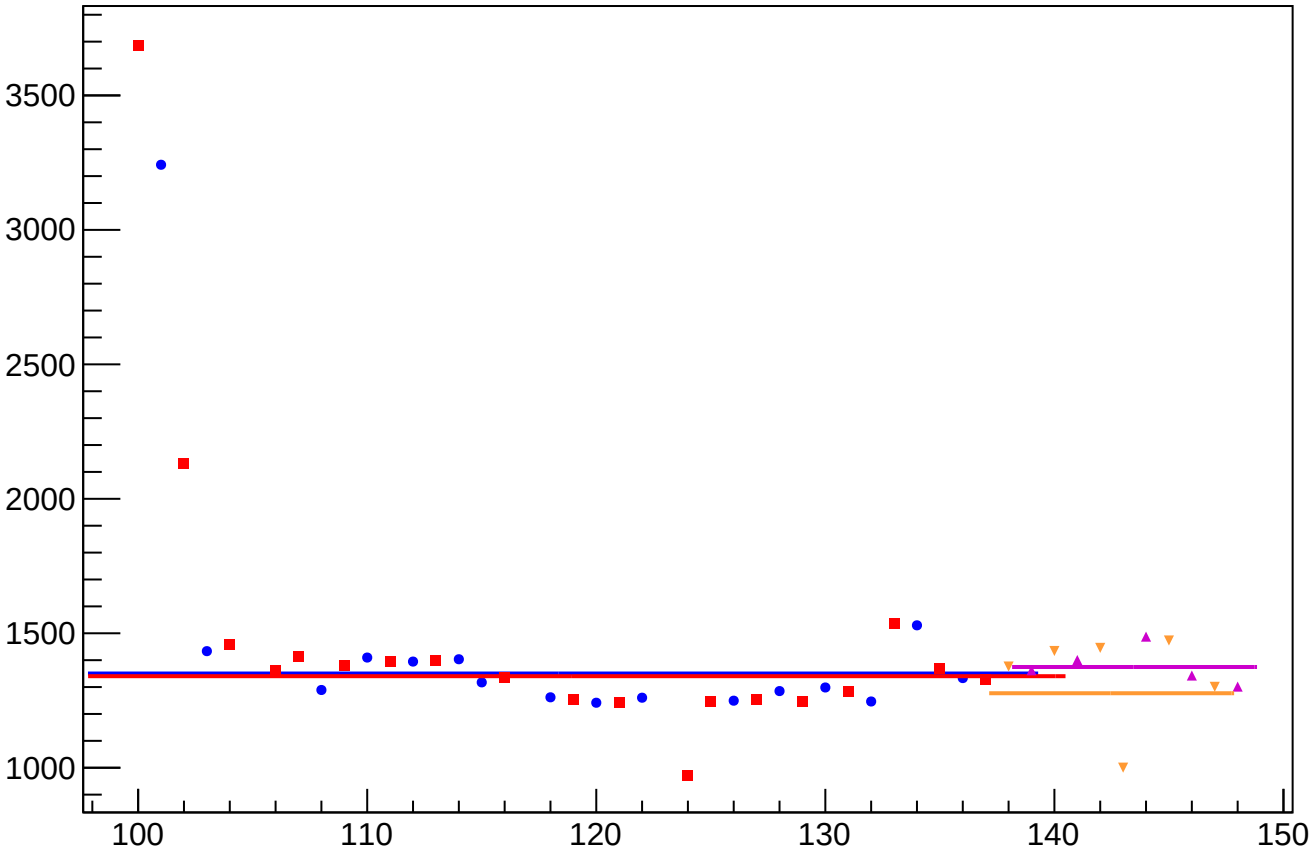
Left: 2083.311+/-446.334 χ^2/NDF: 24.0/10

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2756.479+/-403.858 χ^2/NDF:19.8/20

Out: 1772.019+/-388.259 χ^2/NDF:32.1/24

All: 2244.870+/-279.893 χ^2/NDF: 55.1/45



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1277.033+/-0.429 χ^2/NDF:194582.5/5

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1374.619+/-0.465 χ^2/NDF:17407.7/4

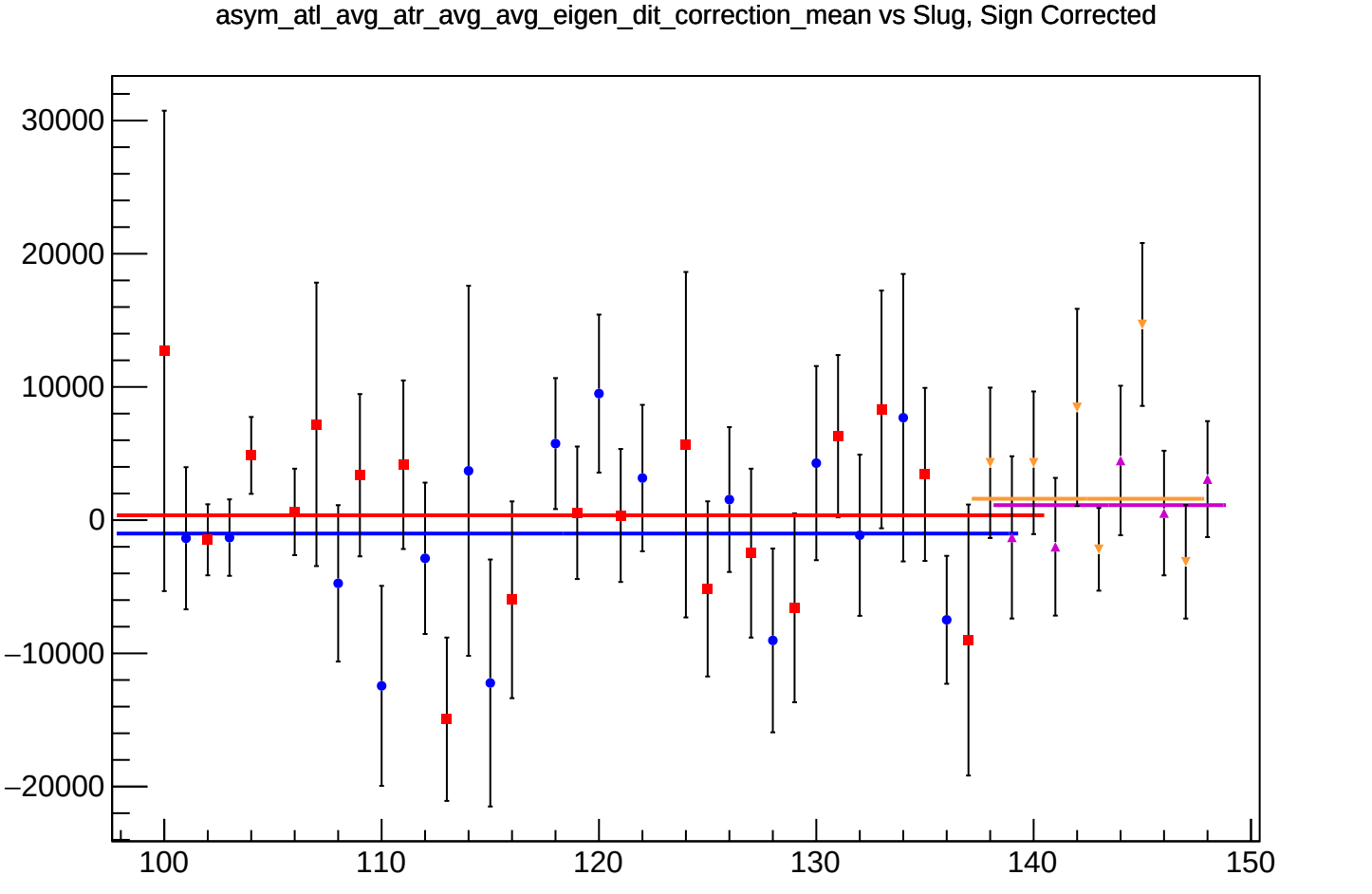
Left: 1321.924+/-0.316 χ^2/NDF: 235738.6/10

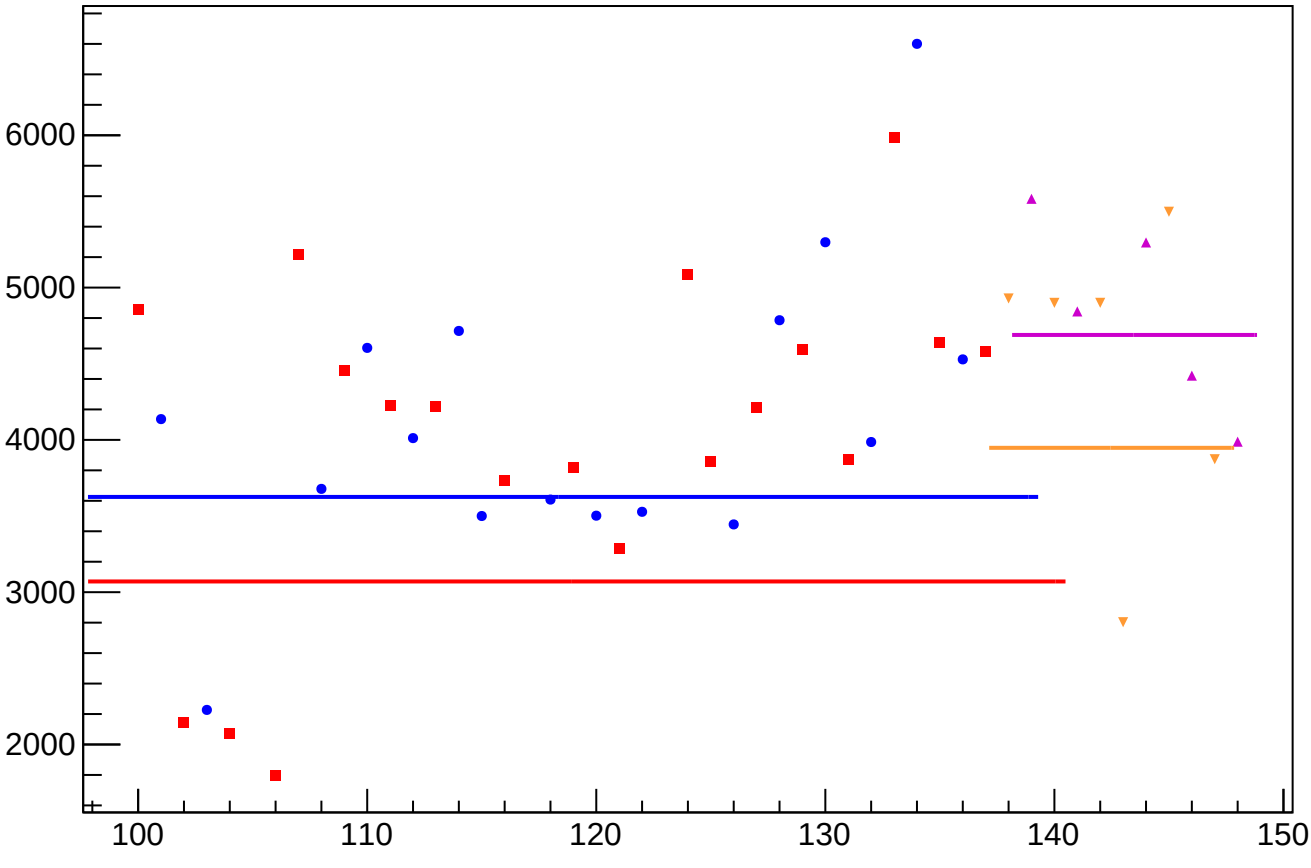
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

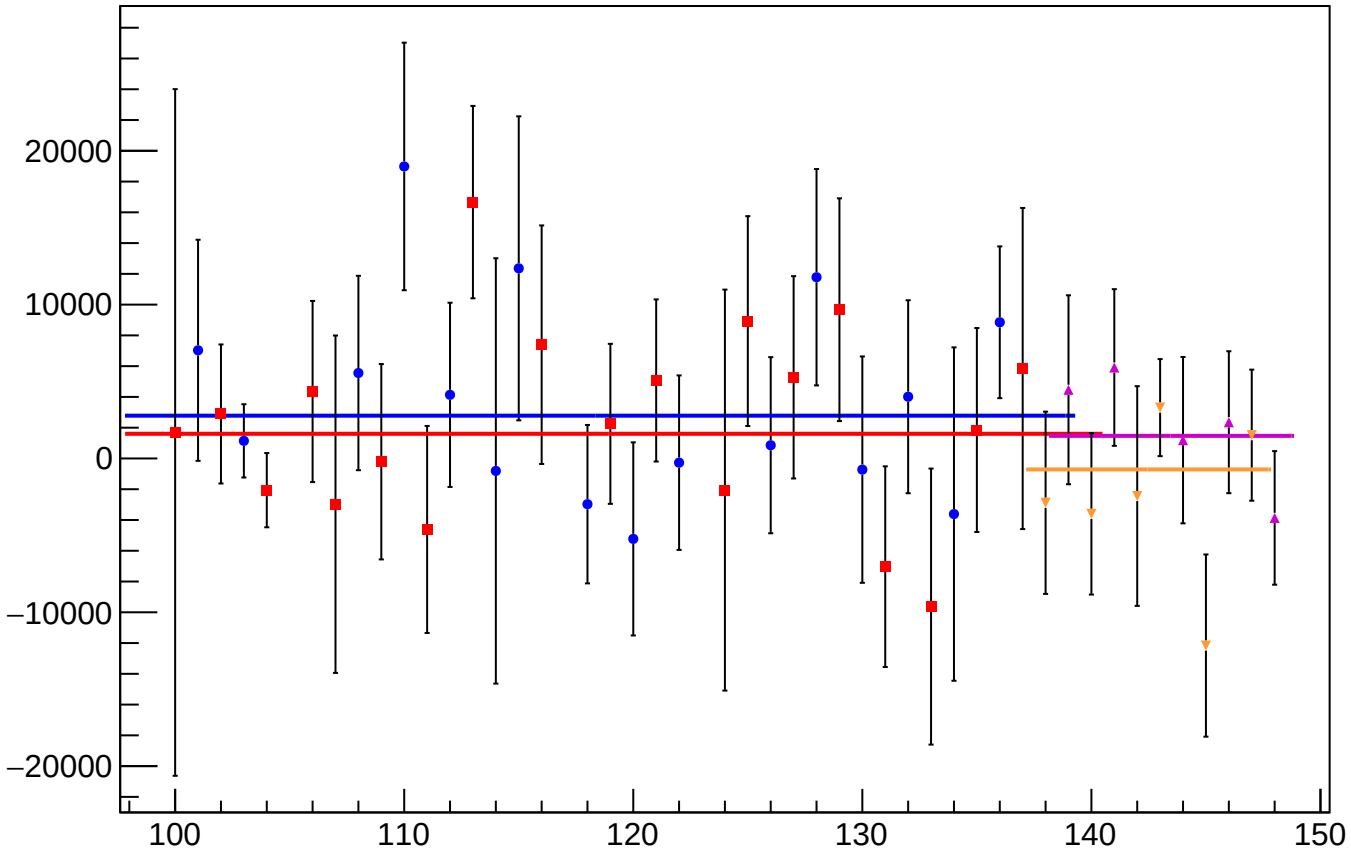
In: 1359.502+/-0.286 χ^2/NDF:513151.9/20

Out: 1314.544+/-0.274 χ^2/NDF:479656.5/24

All: 1336.130+/-0.198 χ^2/NDF: 1005693.3/45


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: 1605.645+/-1924.987 χ²/NDF:8.6/5
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1127.353+/-2267.001 χ²/NDF:1.1/4
Left: 1405.264+/-1467.350 χ²/NDF: 9.8/10
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -414.839+/-1193.906 χ²/NDF:16.3/20
Out: 712.873+/-1019.862 χ²/NDF:25.2/24
All: 237.132+/-775.455 χ²/NDF: 42.0/45


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 3947.889+/-1.361 χ²/NDF:557257.7/5
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 4689.034+/-1.603 χ²/NDF:126635.3/4
Left: 4258.393+/-1.038 χ²/NDF: 808099.5/10
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 3920.479+/-0.844 χ²/NDF:1389633.7/20
Out: 3316.727+/-0.721 χ²/NDF:2694829.6/24
All: 3571.428+/-0.548 χ²/NDF: 4380153.9/45



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -715.358+/-1929.902 χ^2/NDF:6.1/5

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1468.966+/-2239.836 χ^2/NDF:2.5/4

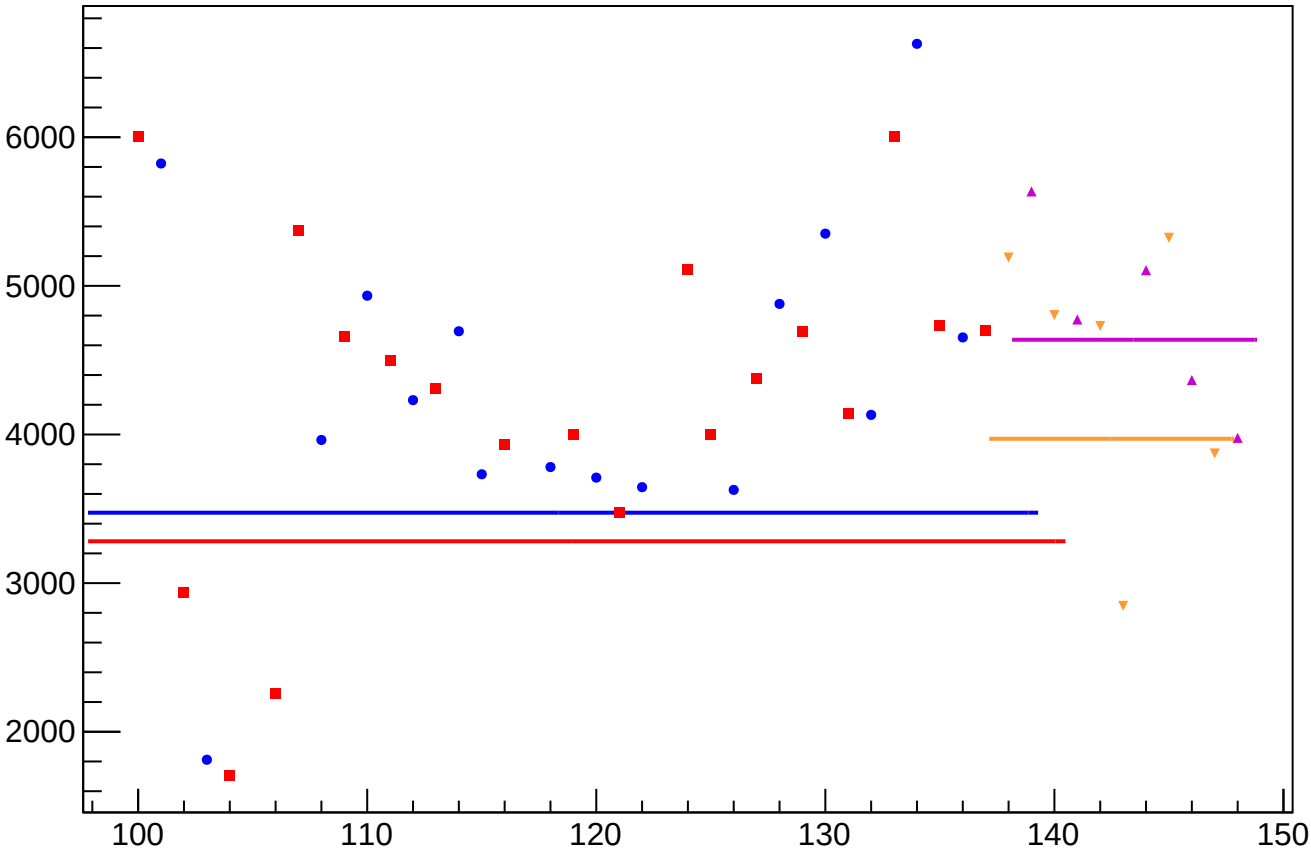
Left: 215.337+/-1462.047 χ^2/NDF: 9.2/10

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2416.325+/-1180.713 χ^2/NDF:16.0/20

Out: 850.891+/-1099.037 χ^2/NDF:23.9/24

All: 1577.595+/-804.463 χ^2/NDF: 40.8/45



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3971.102+/-1.365 χ^2/NDF:516898.7/5

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4637.403+/-1.584 χ^2/NDF:122330.5/4

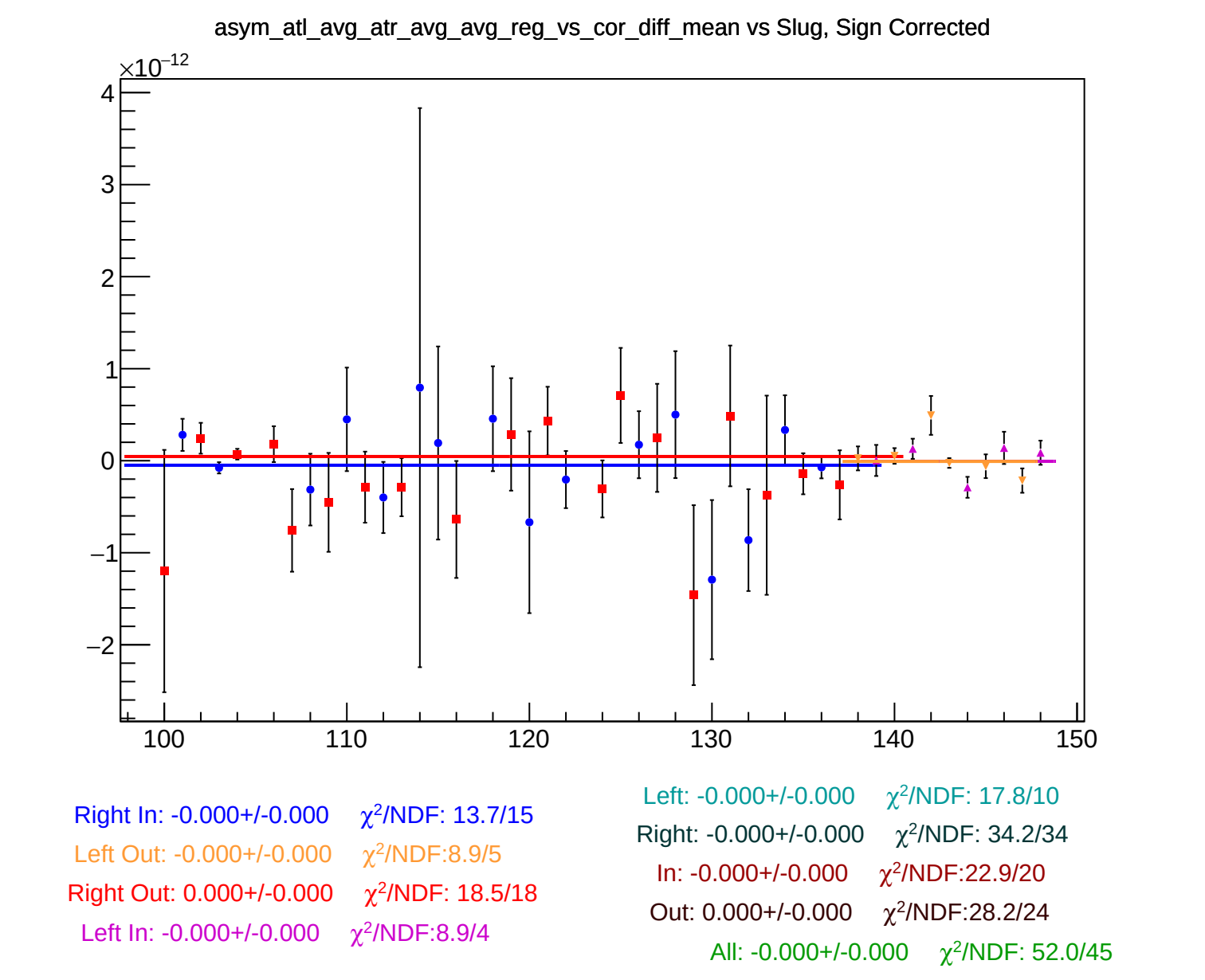
Left: 4254.999+/-1.034 χ^2/NDF: 740805.3/10

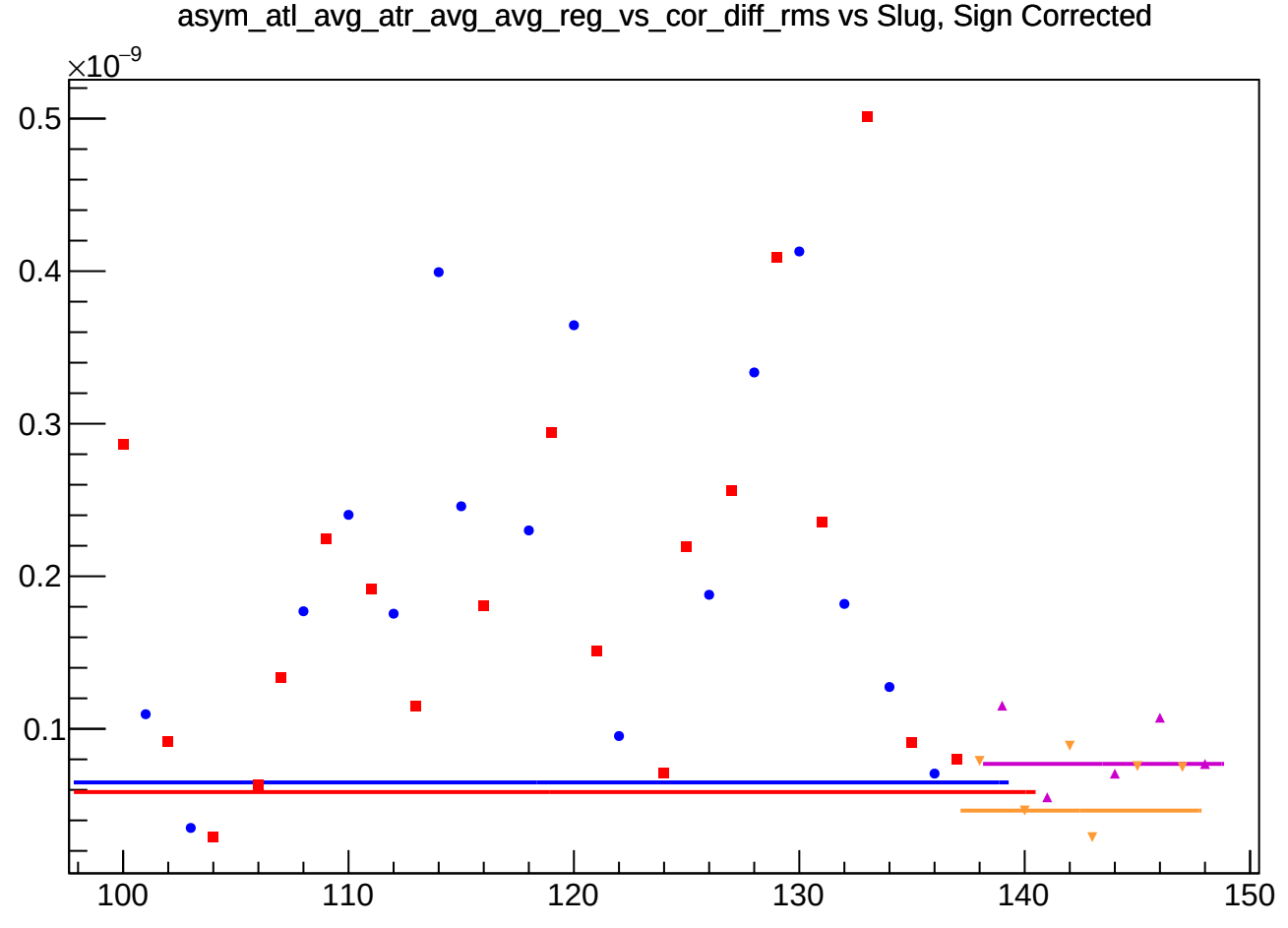
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3797.208+/-0.835 χ^2/NDF:2356008.5/20

Out: 3500.988+/-0.770 χ^2/NDF:2566482.9/24

All: 3637.125+/-0.566 χ^2/NDF: 4990522.7/45


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:8.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:8.9/4
Left: -0.000+/-0.000 χ²/NDF: 17.8/10
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:22.9/20
Out: 0.000+/-0.000 χ²/NDF:28.2/24
All: -0.000+/-0.000 χ²/NDF: 52.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:618526.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248284.3/4

Left: 0.000+/-0.000 χ^2/NDF: 1246676.5/10

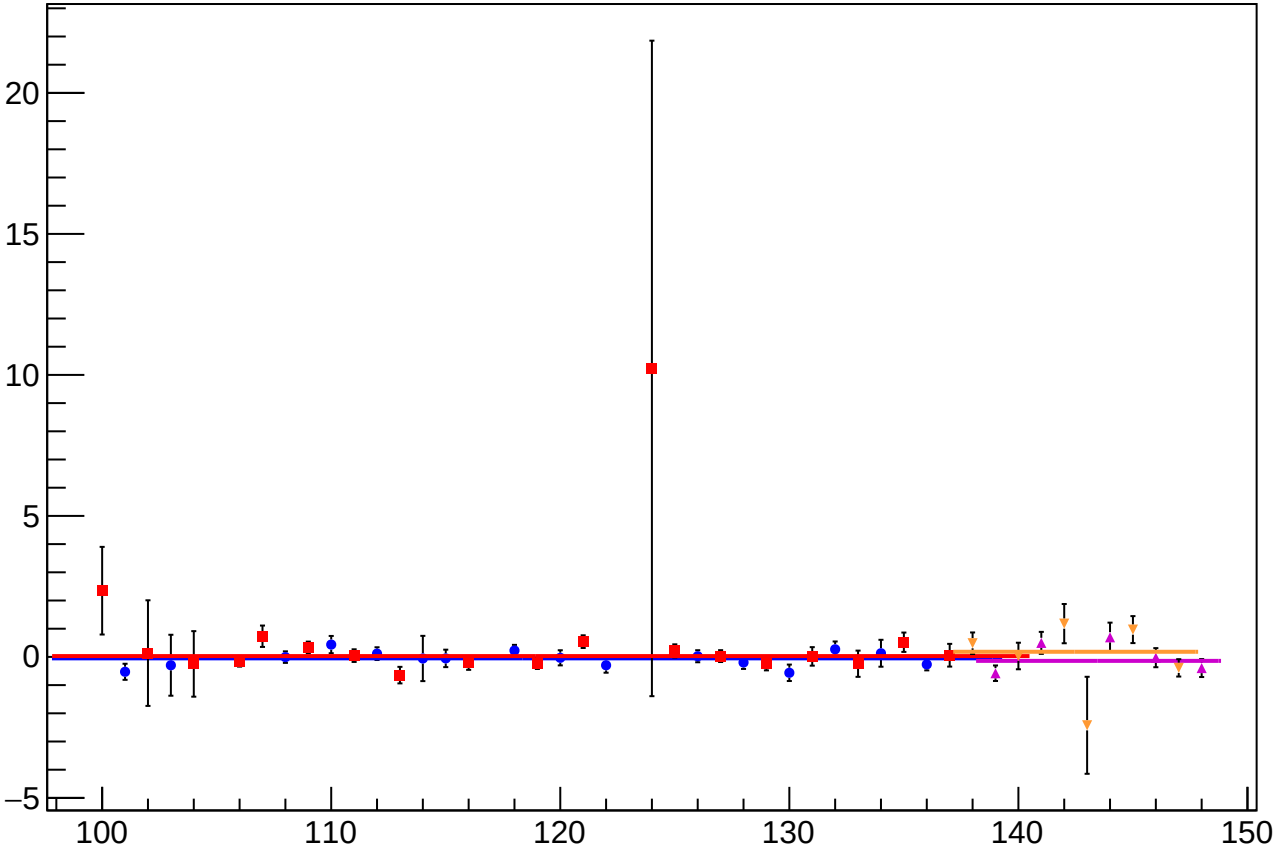
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2891664.9/20

Out: 0.000+/-0.000 χ^2/NDF:3553305.8/24

All: 0.000+/-0.000 χ^2/NDF: 6748618.7/45

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.141+/-0.154 χ^2/NDF:8.6/4

Left: -0.010+/-0.119 χ^2/NDF: 21.5/10

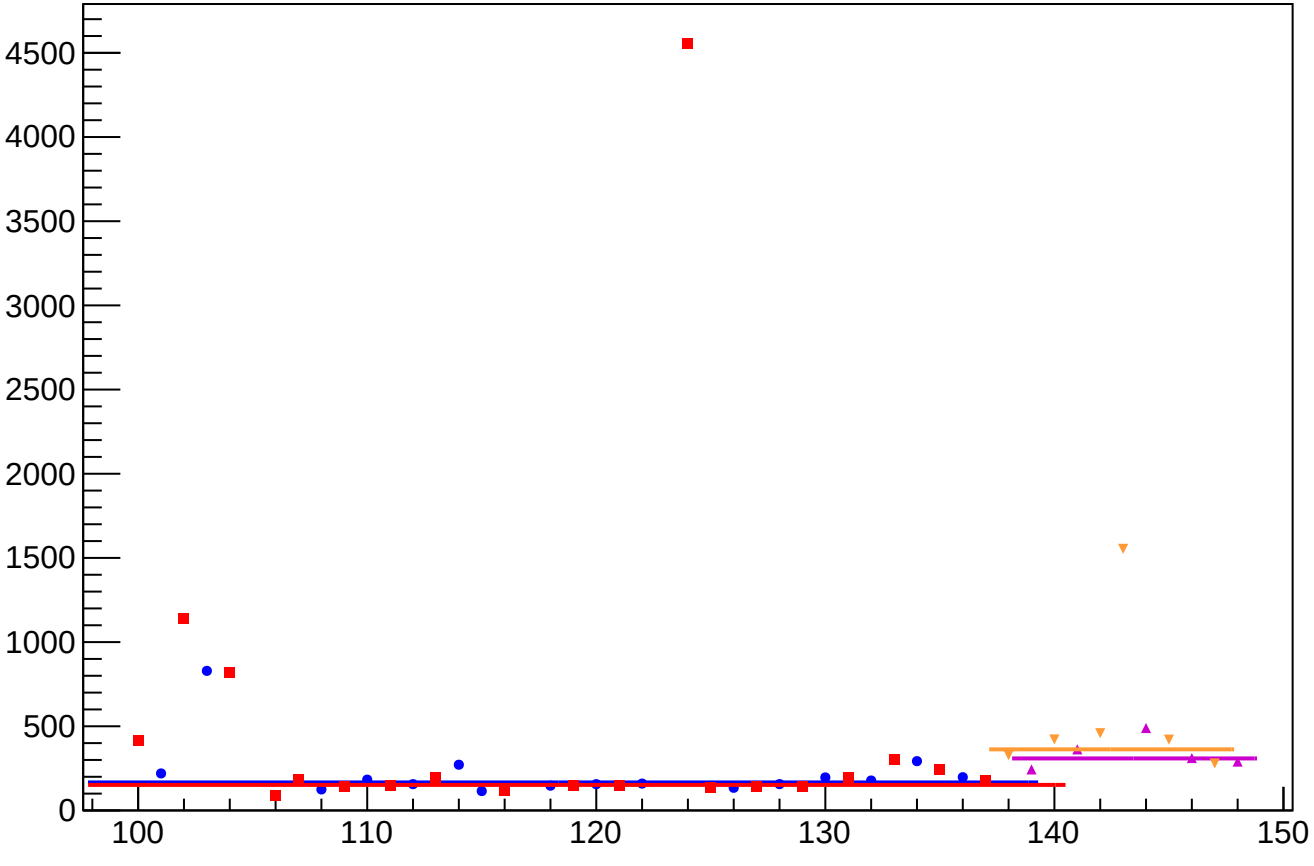
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.009+/-0.043 χ^2/NDF: 64.7/45

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: 362.947+/-0.132 χ^2/NDF:1220933.2/5

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

Left: 330.819+/-0.084 χ^2/NDF: 1719886.9/10

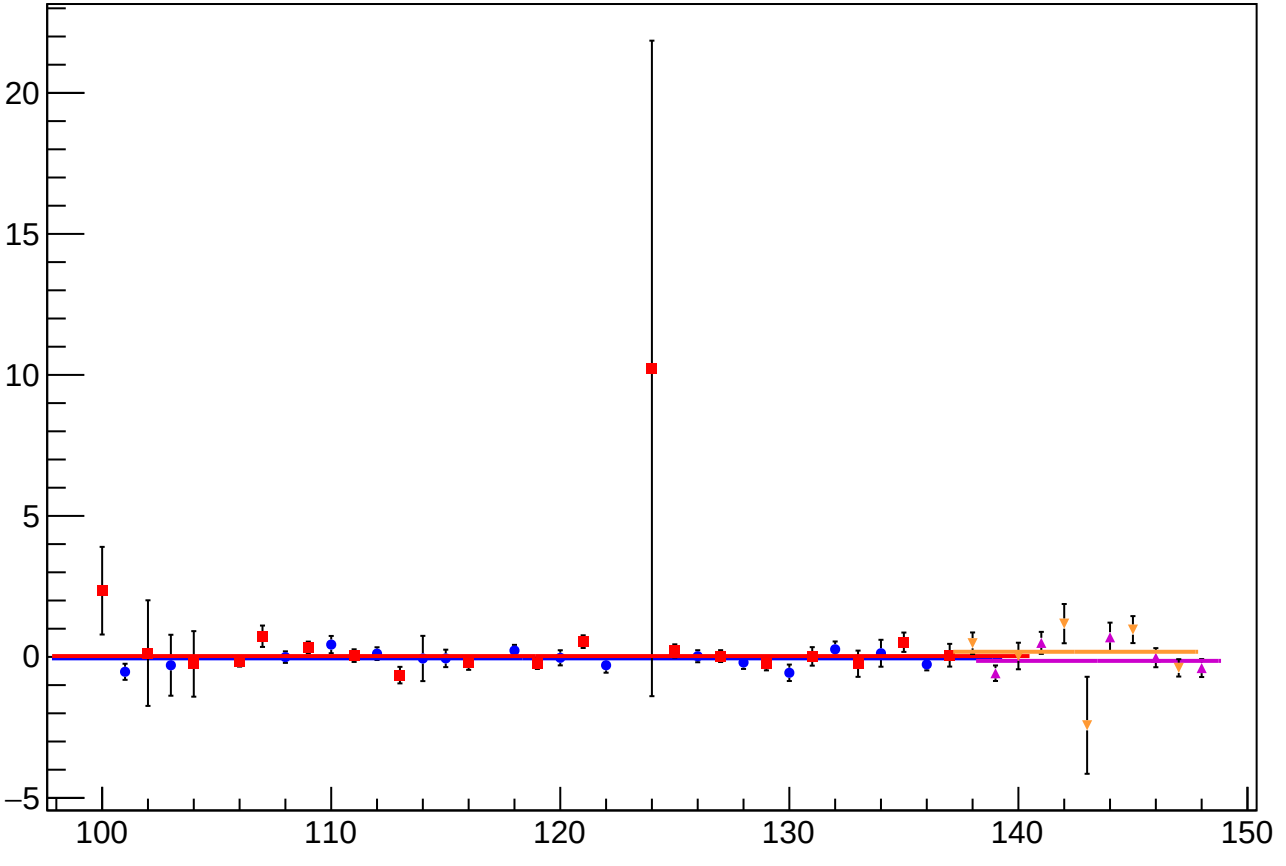
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 188.862+/-0.043 χ^2/NDF:3123381.2/20

Out: 173.985+/-0.043 χ^2/NDF:5823197.9/24

All: 181.341+/-0.030 χ^2/NDF: 9006251.2/45

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.141+/-0.154 χ^2/NDF:8.6/4

Left: -0.010+/-0.119 χ^2/NDF: 21.5/10

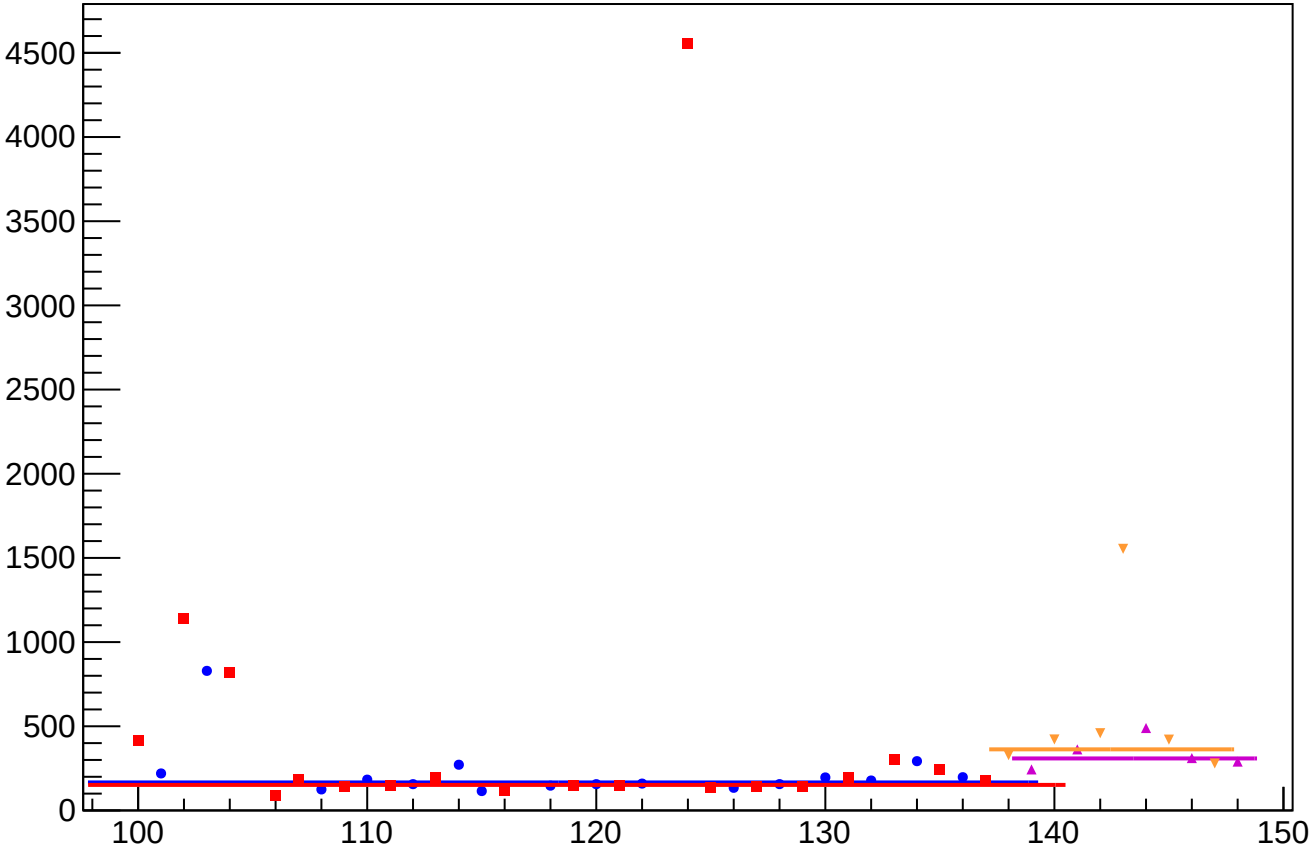
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.009+/-0.043 χ^2/NDF: 64.7/45

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: 362.947+/-0.132 χ^2/NDF:1220933.2/5

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

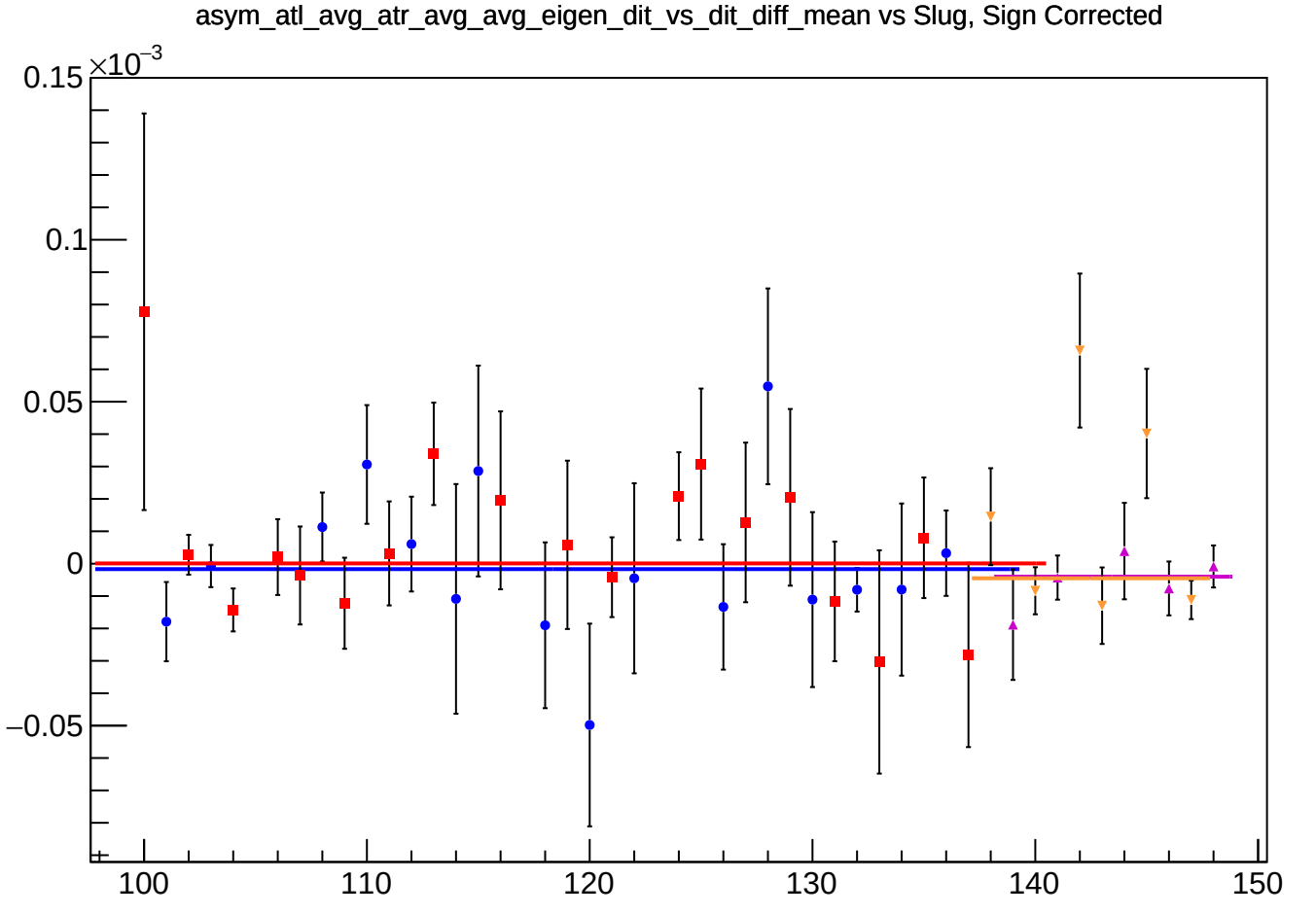
Left: 330.819+/-0.084 χ^2/NDF: 1719886.9/10

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 188.862+/-0.043 χ^2/NDF:3123381.2/20

Out: 173.985+/-0.043 χ^2/NDF:5823197.9/24

All: 181.341+/-0.030 χ^2/NDF: 9006251.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

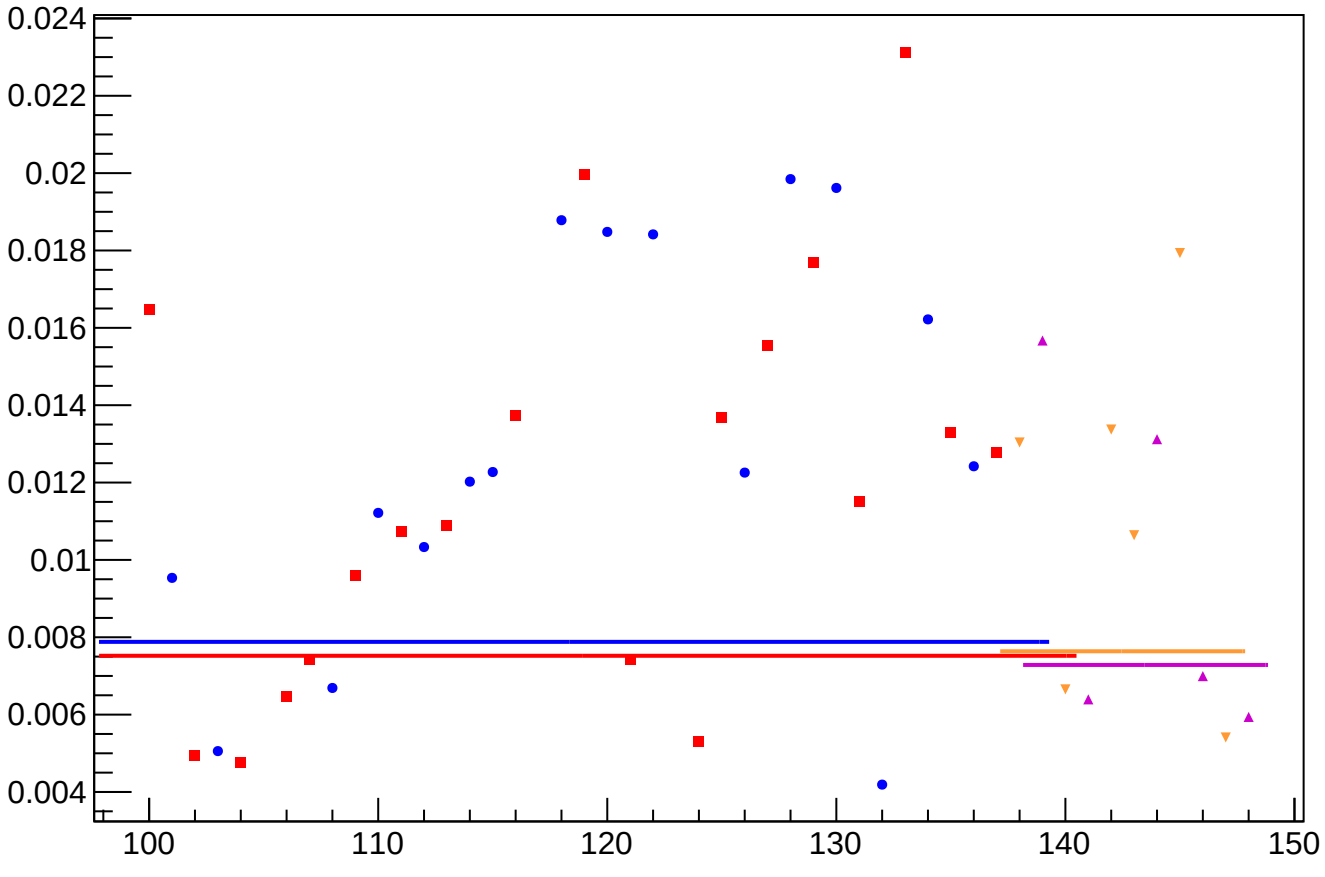
Left: -0.000+/-0.000 χ^2/NDF: 18.9/10

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:17.1/20

Out: -0.000+/-0.000 χ^2/NDF:38.1/24

All: -0.000+/-0.000 χ^2/NDF: 55.4/45



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1355188.3/5

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:913060.0/4

Left: 0.007+/-0.000 χ^2/NDF: 2276417.1/10

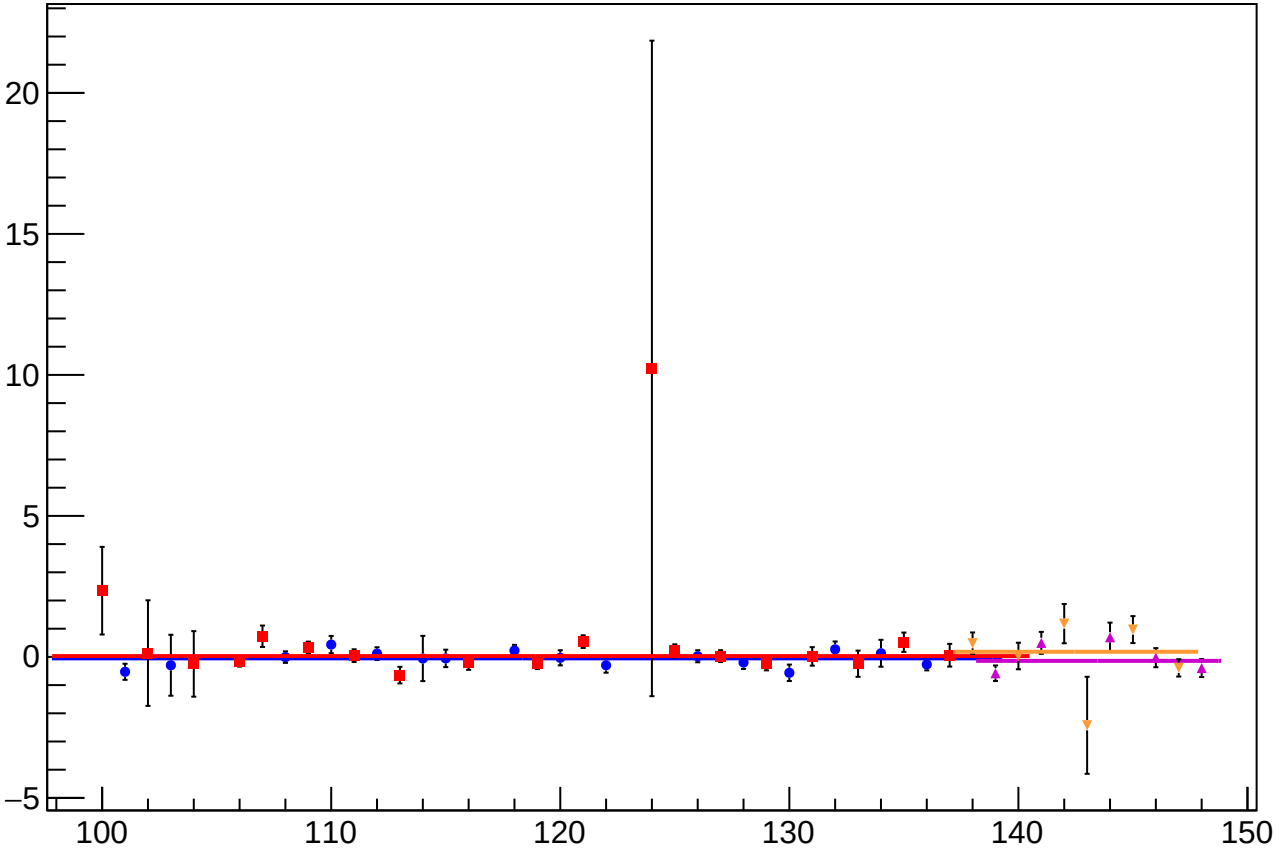
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:4241864.6/20

Out: 0.008+/-0.000 χ^2/NDF:4331577.1/24

All: 0.008+/-0.000 χ^2/NDF: 8573893.3/45

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.141+/-0.154 χ^2/NDF:8.6/4

Left: -0.010+/-0.119 χ^2/NDF: 21.5/10

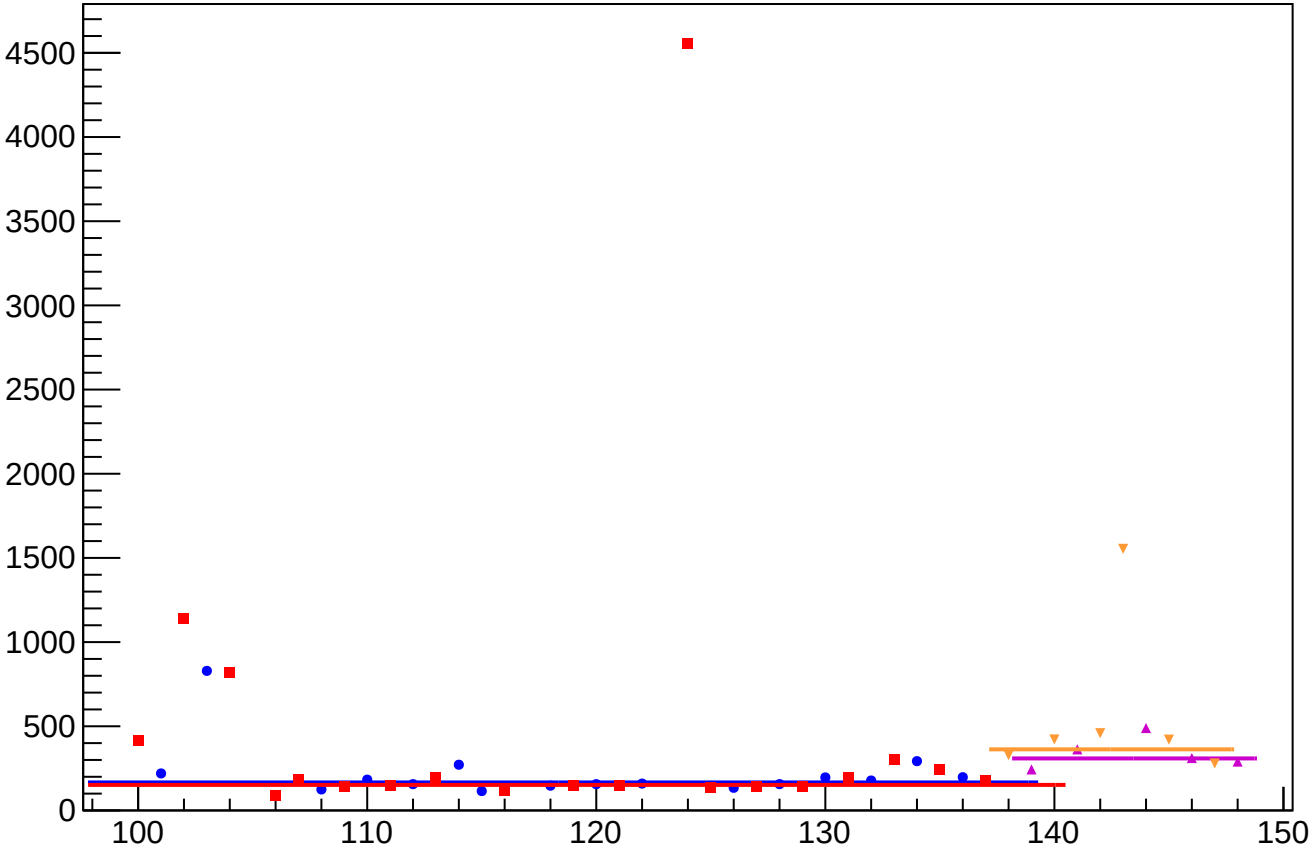
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.009+/-0.043 χ^2/NDF: 64.7/45

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: 362.950+/-0.132 χ^2/NDF:1220930.5/5

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 308.950+/-0.109 χ^2/NDF:399514.7/4

Left: 330.824+/-0.084 χ^2/NDF: 1719864.8/10

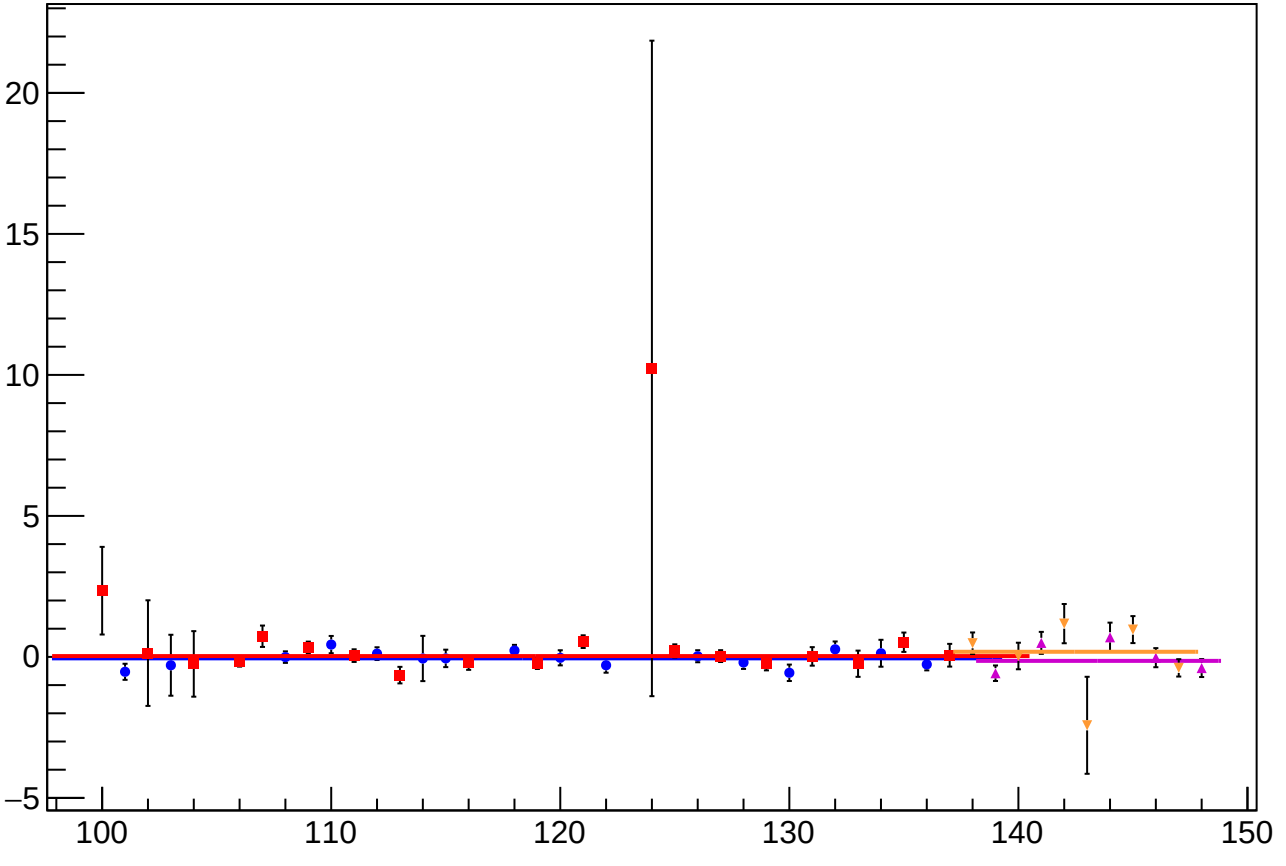
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 188.861+/-0.043 χ^2/NDF:3123440.5/20

Out: 173.983+/-0.043 χ^2/NDF:5823271.7/24

All: 181.340+/-0.030 χ^2/NDF: 9006391.8/45

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.141+/-0.154 χ^2/NDF:8.6/4

Left: -0.010+/-0.119 χ^2/NDF: 21.5/10

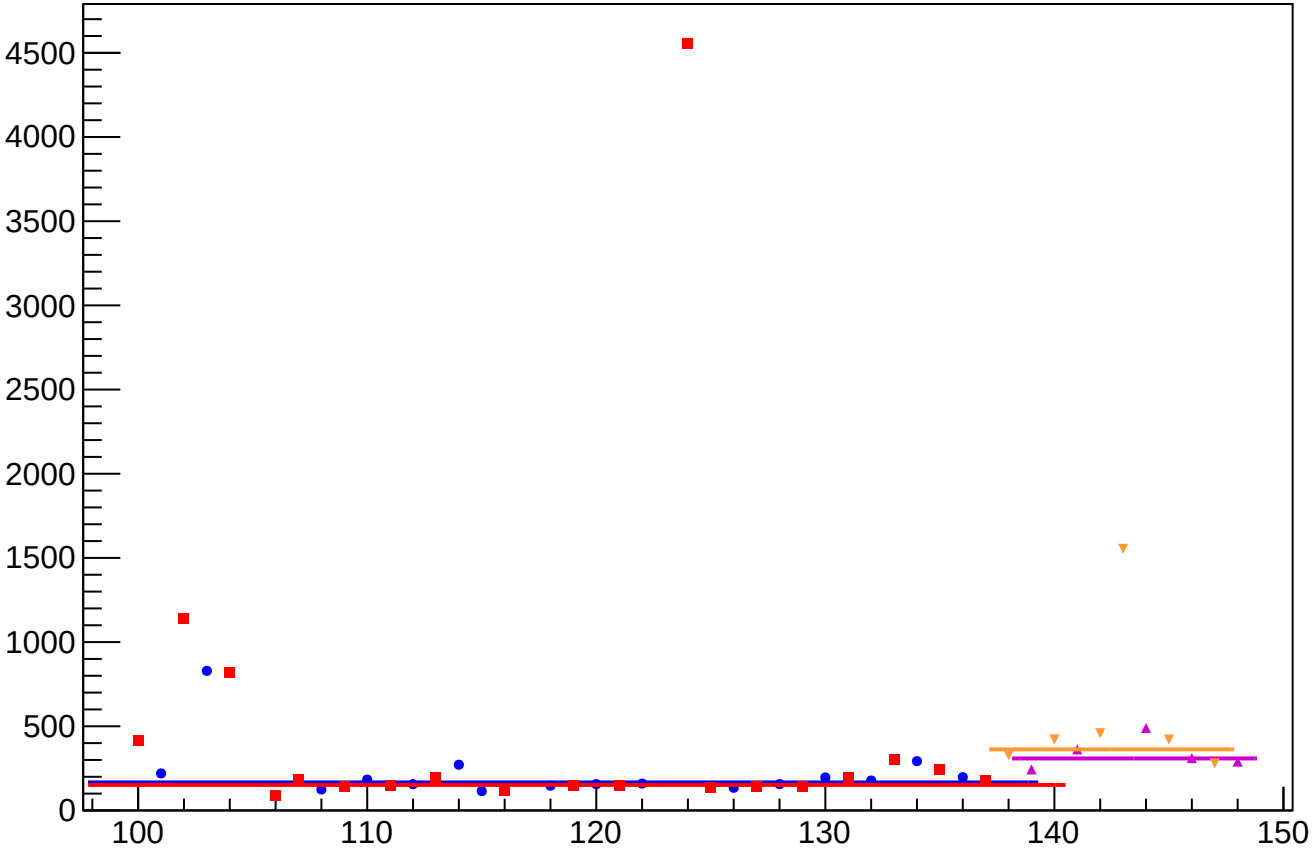
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.009+/-0.043 χ^2/NDF: 64.7/45

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: 362.950+/-0.132 χ^2/NDF:1220930.5/5

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 308.950+/-0.109 χ^2/NDF:399514.7/4

Left: 330.824+/-0.084 χ^2/NDF: 1719864.8/10

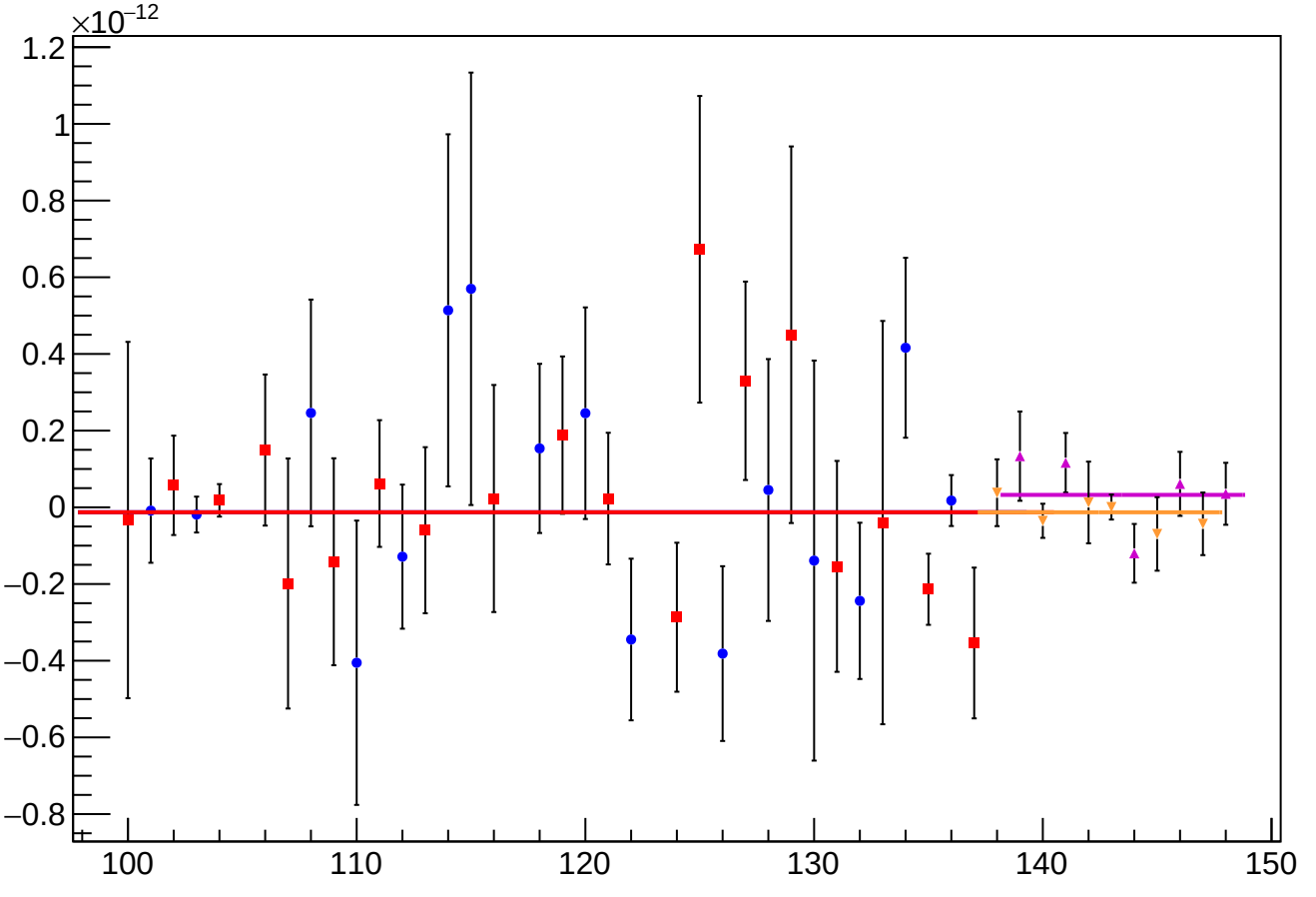
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 188.861+/-0.043 χ^2/NDF:3123440.5/20

Out: 173.983+/-0.043 χ^2/NDF:5823271.7/24

All: 181.340+/-0.030 χ^2/NDF: 9006391.8/45

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:1.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/4

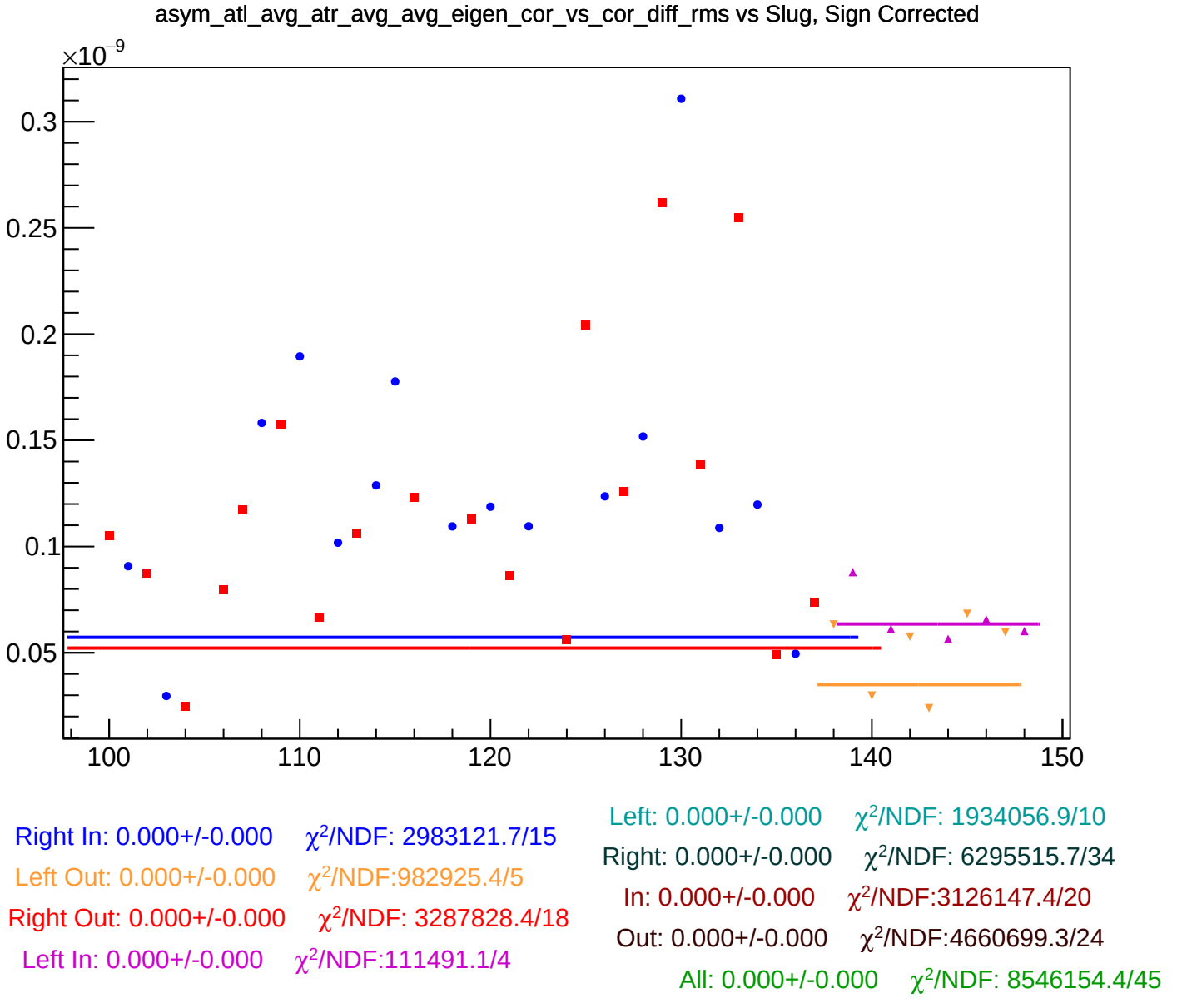
Left: -0.000+/-0.000 χ^2/NDF: 8.4/10

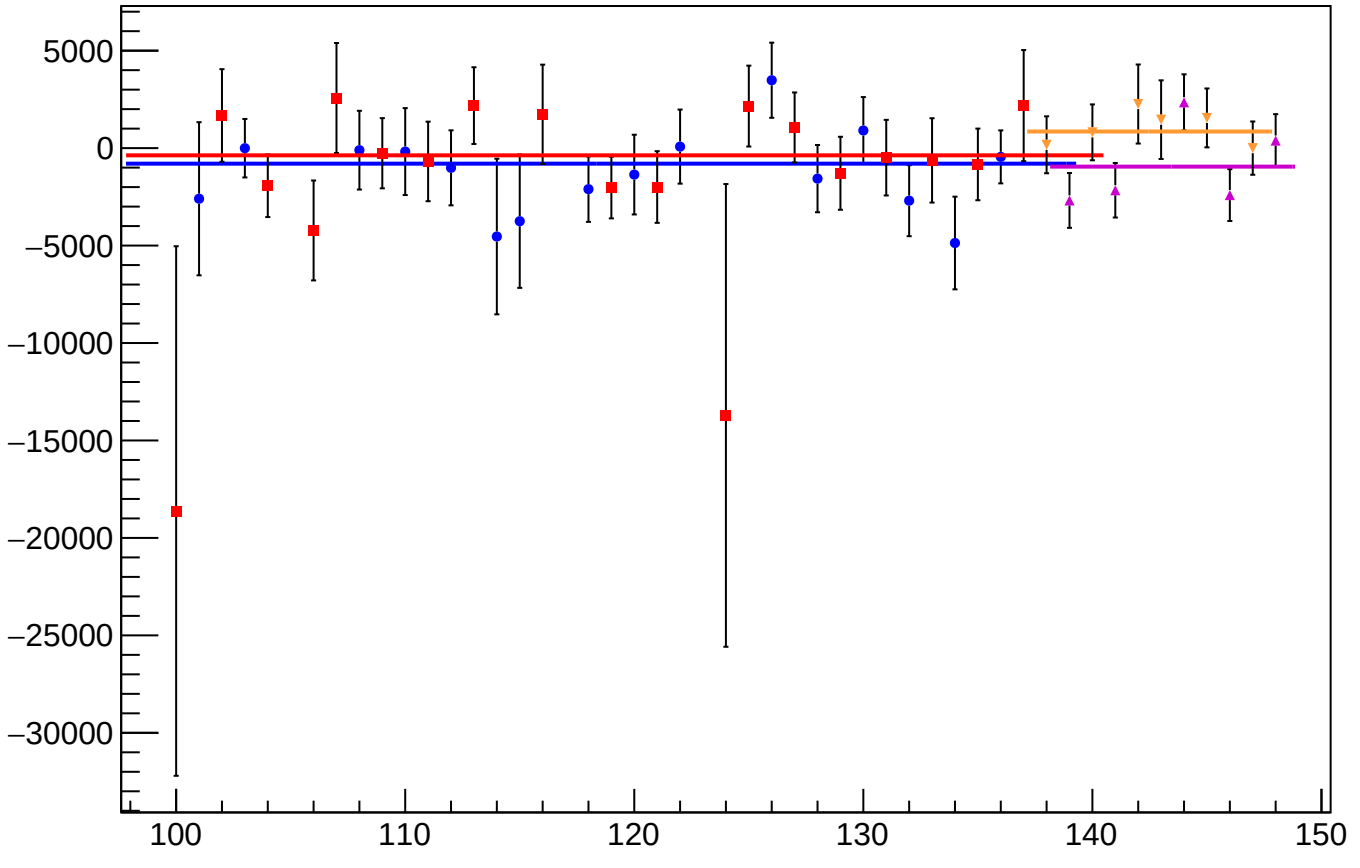
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: 0.000+/-0.000 χ^2/NDF:23.0/20

Out: -0.000+/-0.000 χ^2/NDF:20.2/24

All: -0.000+/-0.000 χ^2/NDF: 43.5/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:982925.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:111491.1/4
Left: 0.000+/-0.000 χ²/NDF: 1934056.9/10
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:3126147.4/20
Out: 0.000+/-0.000 χ²/NDF:4660699.3/24
All: 0.000+/-0.000 χ²/NDF: 8546154.4/45



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 852.730+/-643.147 χ^2/NDF:1.4/5

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -948.937+/-619.013 χ^2/NDF:9.7/4

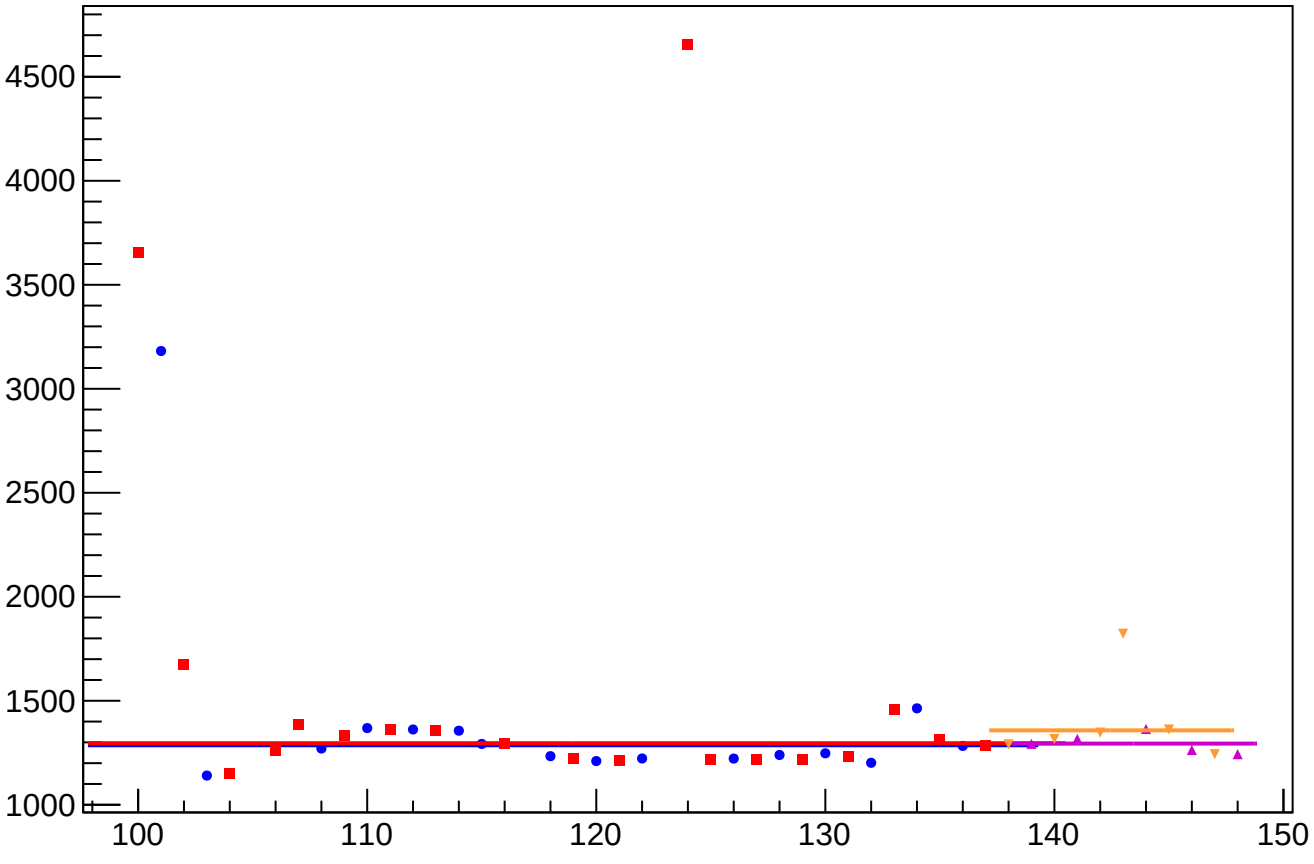
Left: -82.540+/-445.997 χ^2/NDF: 15.2/10

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -855.331+/-382.967 χ^2/NDF:23.2/20

Out: 74.217+/-387.656 χ^2/NDF:19.3/24

All: -396.212+/-272.441 χ^2/NDF: 45.4/45



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

Left: 1324.722+/-0.315 χ^2/NDF: 145606.9/10

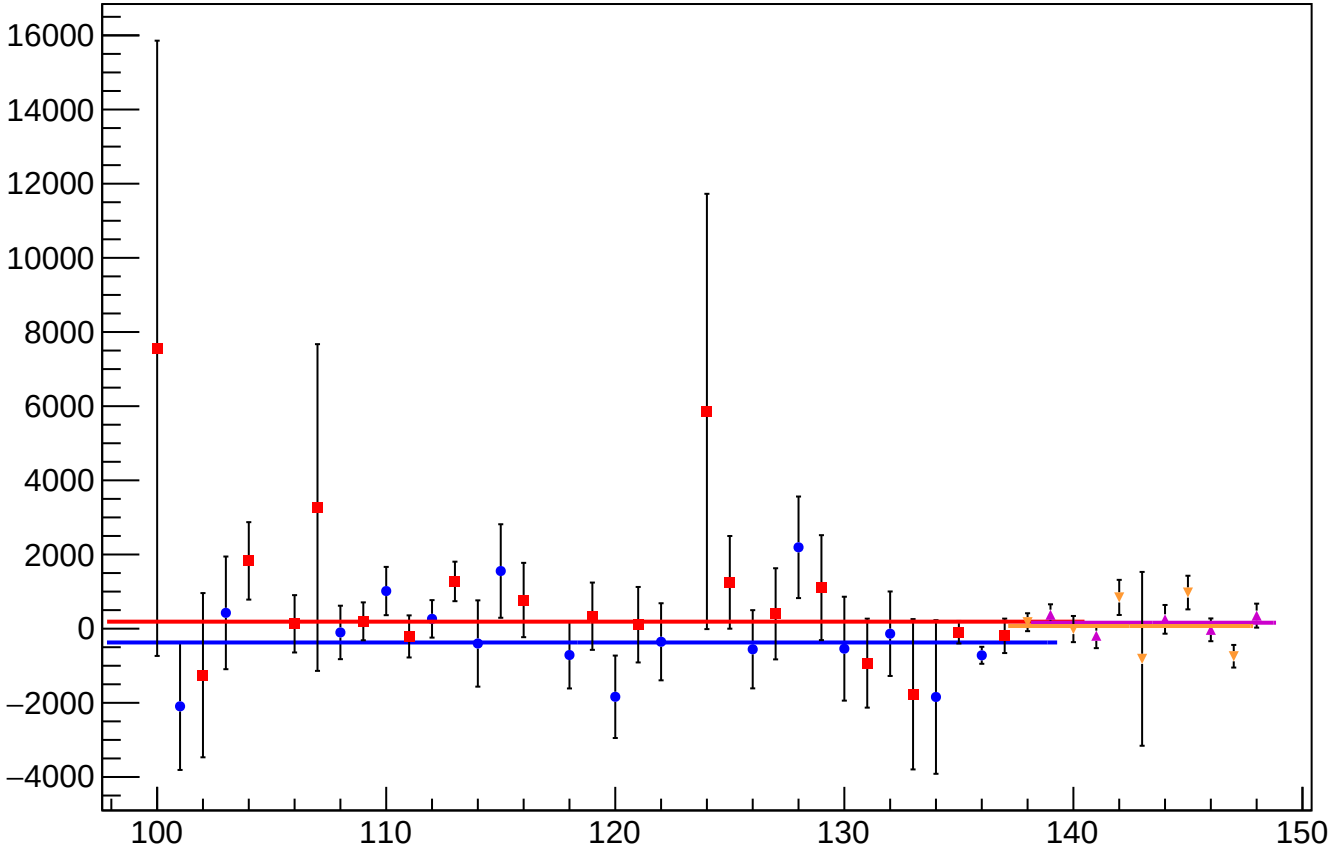
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.141+/-0.271 χ^2/NDF:527499.2/20

Out: 1318.428+/-0.274 χ^2/NDF:466088.7/24

All: 1303.606+/-0.193 χ^2/NDF: 999365.0/45

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: 71.773+/-148.385 χ^2/NDF:14.1/5

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 160.187+/-143.929 χ^2/NDF:2.5/4

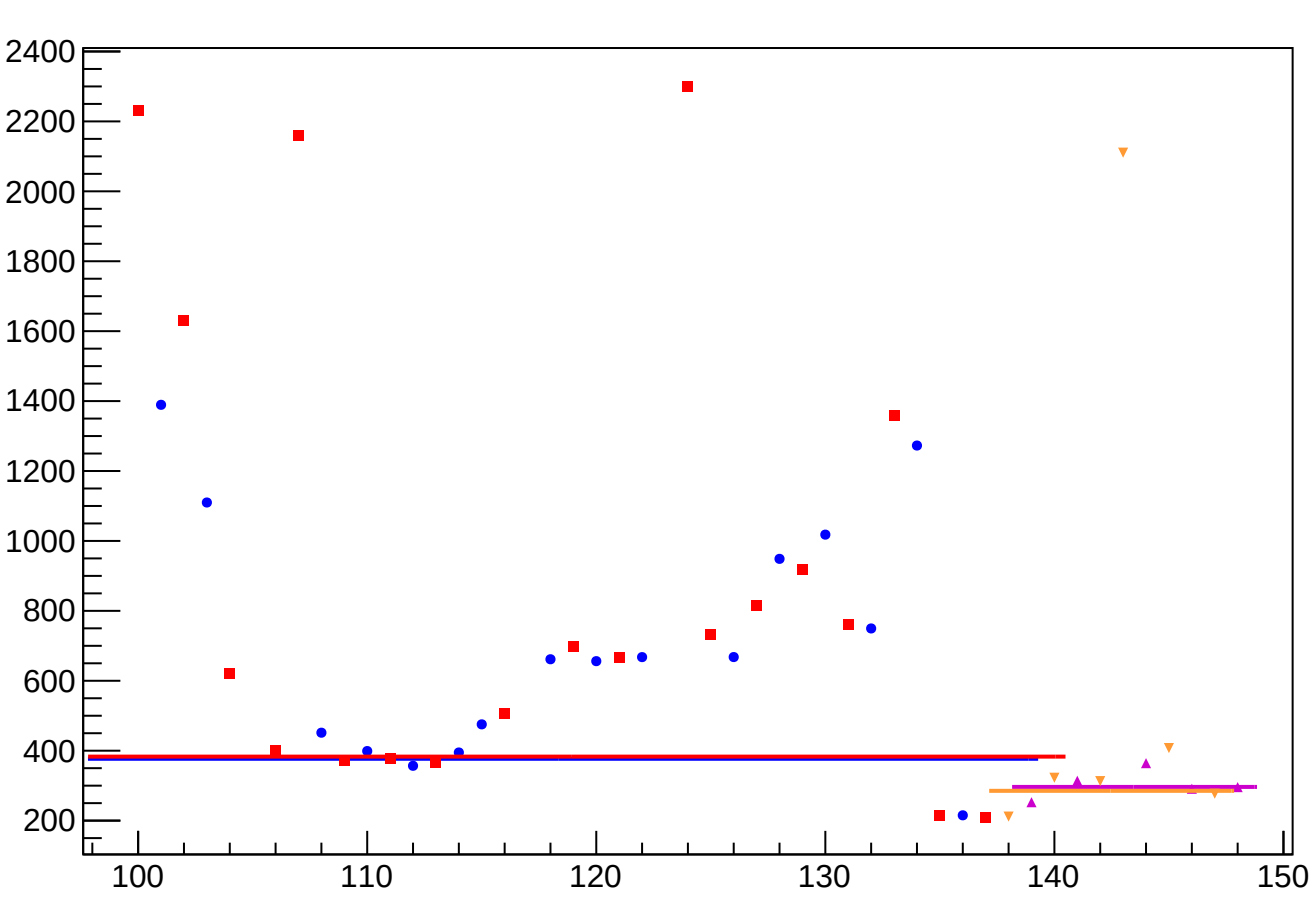
Left: 117.328+/-103.313 χ^2/NDF: 16.8/10

Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -64.904+/-109.358 χ^2/NDF:26.4/20

Out: 122.585+/-111.669 χ^2/NDF:29.0/24

All: 26.880+/-78.132 χ^2/NDF: 56.9/45



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 285.205+/-0.105 χ^2/NDF:1575201.5/5

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

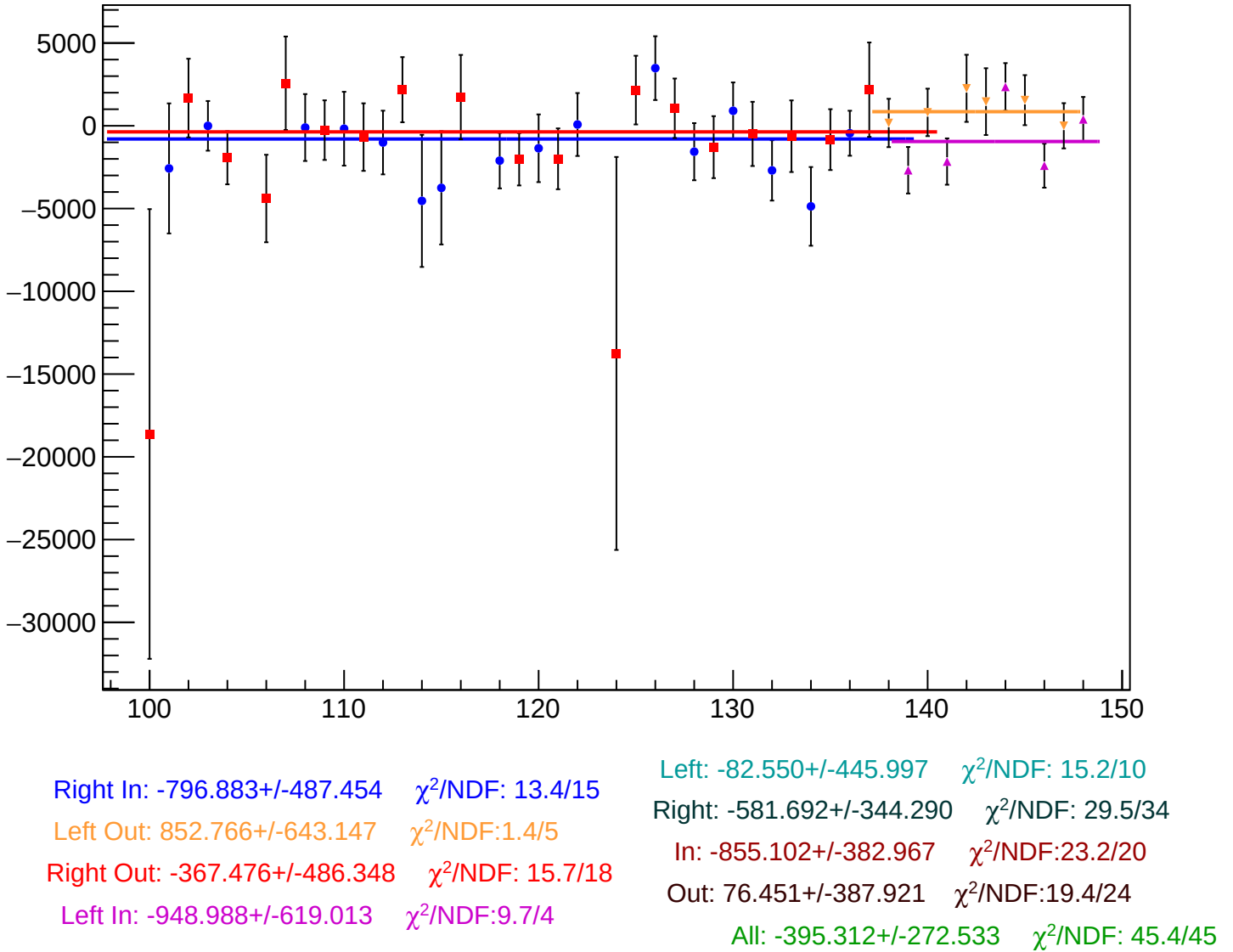
Left: 290.973+/-0.073 χ^2/NDF: 1696839.6/10

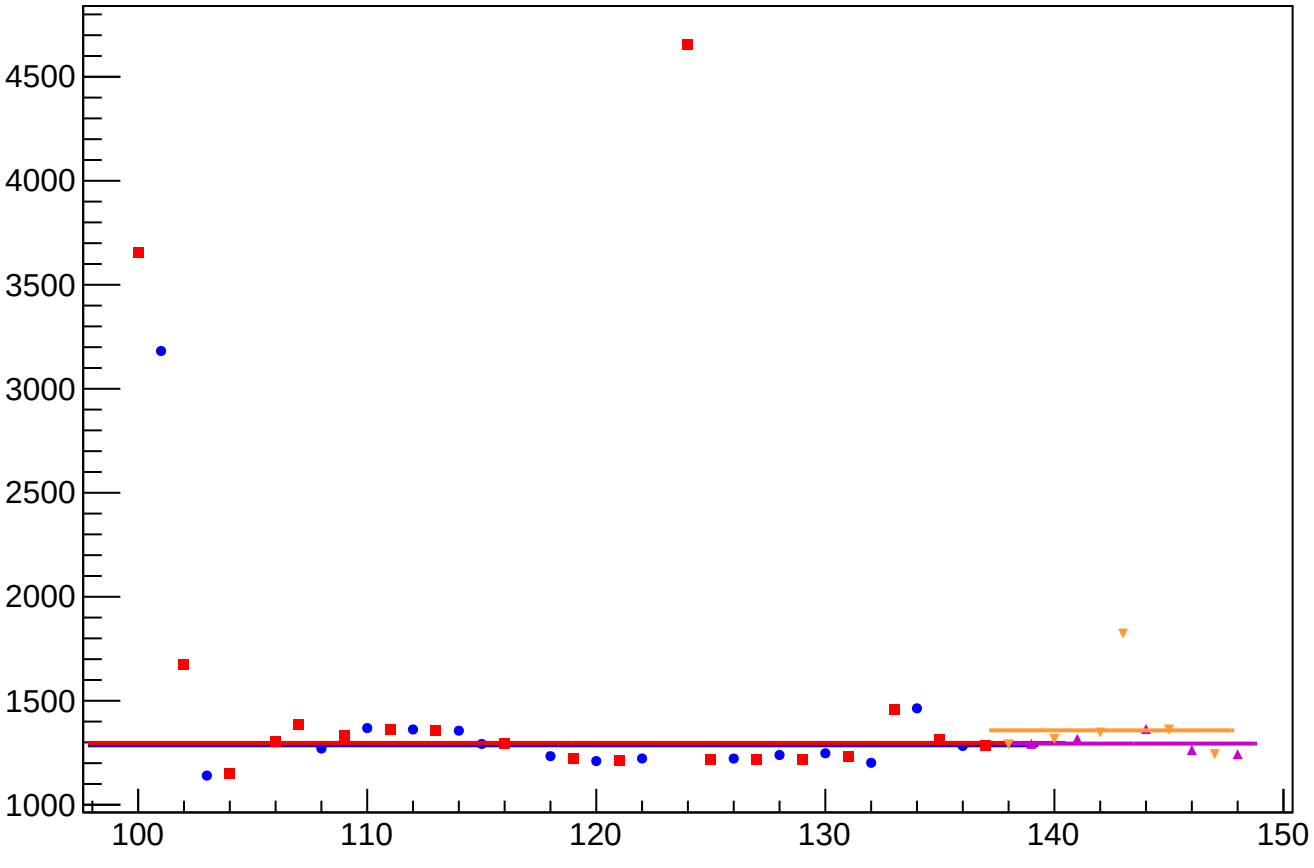
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 330.424+/-0.077 χ^2/NDF:4570379.0/20

Out: 327.646+/-0.079 χ^2/NDF:6006615.2/24

All: 329.064+/-0.055 χ^2/NDF: 10577625.9/45


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 852.766+/-643.147 χ²/NDF:1.4/5
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -82.550+/-445.997 χ²/NDF: 15.2/10
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: 76.451+/-387.921 χ²/NDF:19.4/24
All: -395.312+/-272.533 χ²/NDF: 45.4/45



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

Left: 1324.722+/-0.315 χ^2/NDF: 145606.9/10

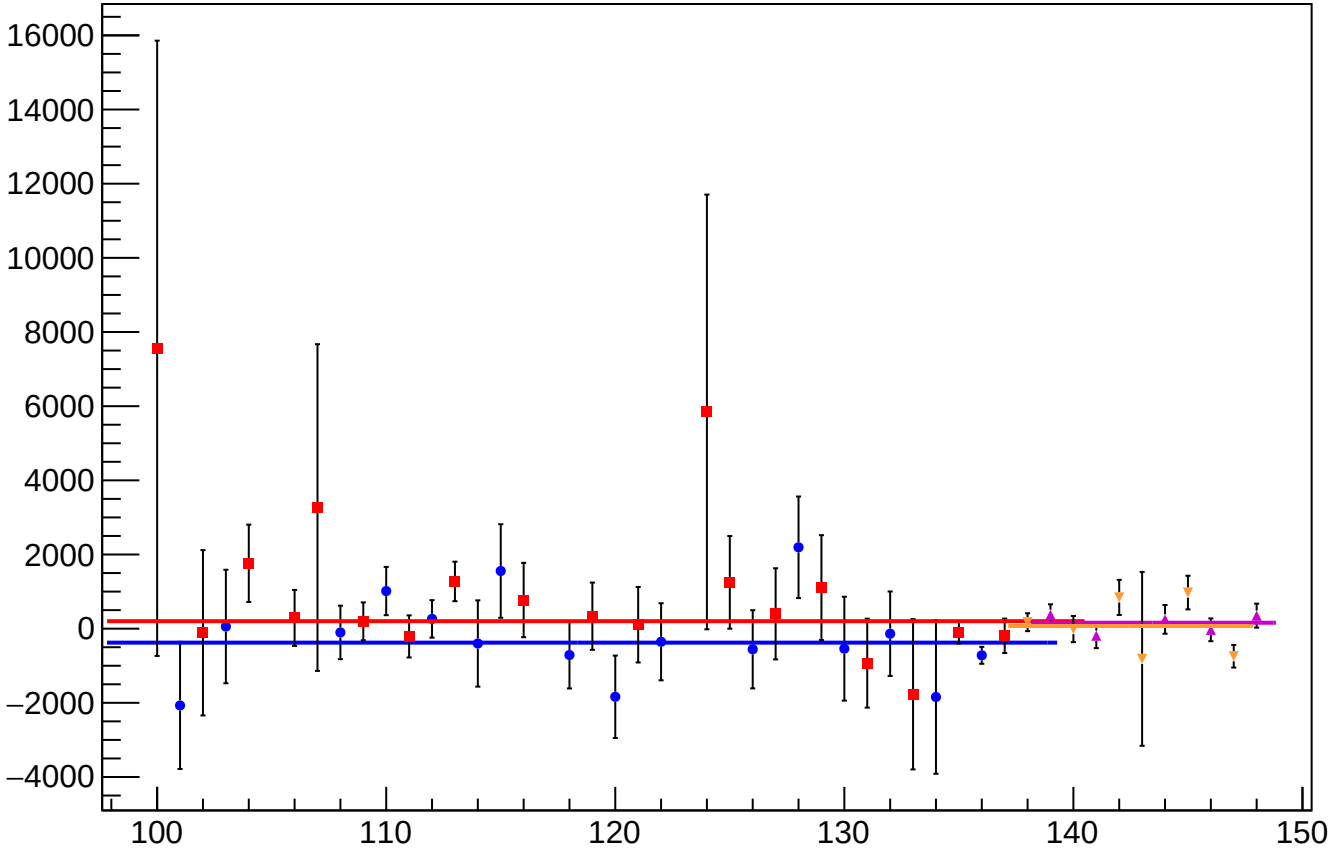
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 160.282+/-143.928 χ^2/NDF:2.5/4

Left: 117.418+/-103.314 χ^2/NDF: 16.8/10

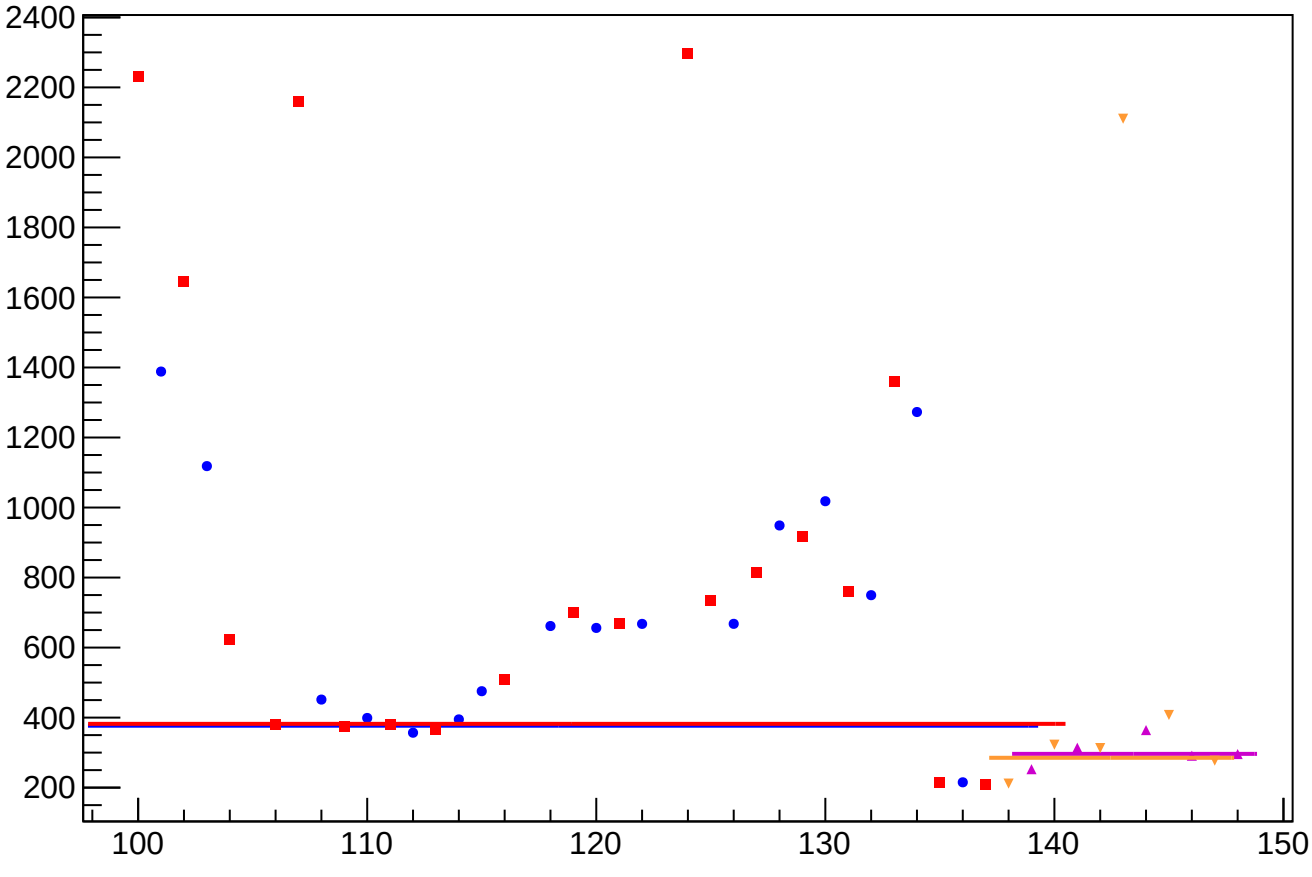
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 28.880+/-78.115 χ^2/NDF: 56.3/45

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: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

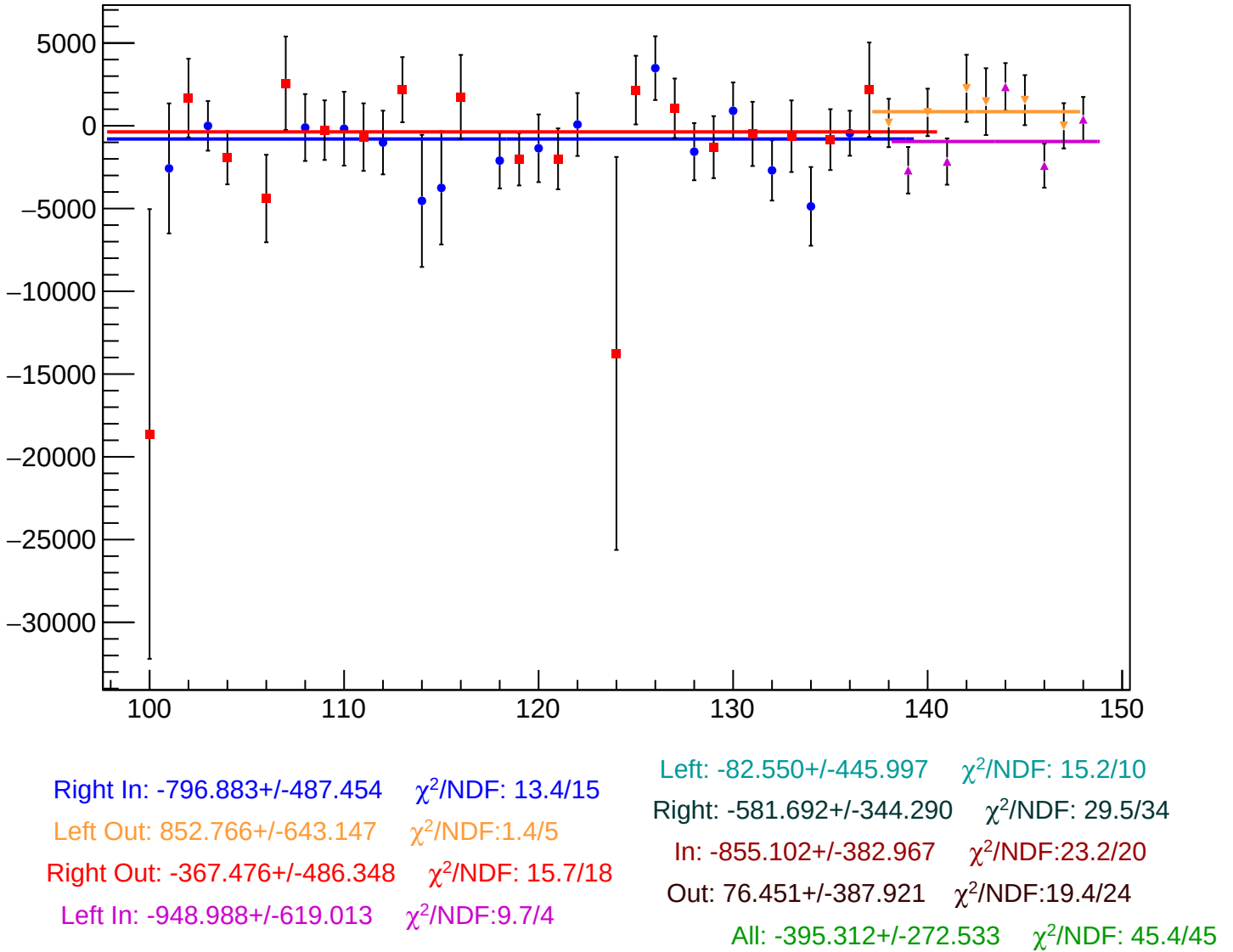
Left: 290.978+/-0.073 χ^2/NDF: 1696815.1/10

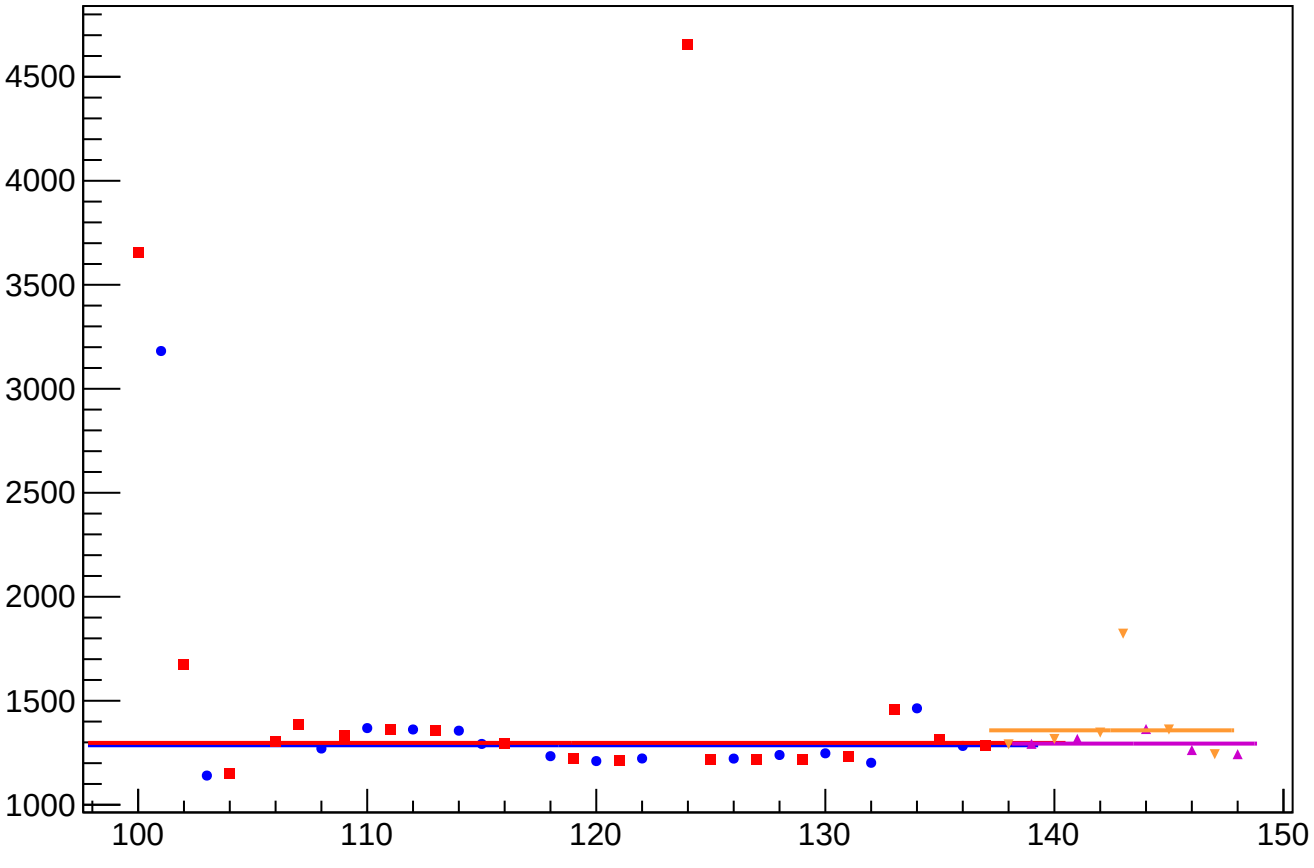
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 852.766+/-643.147 χ²/NDF:1.4/5
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -82.550+/-445.997 χ²/NDF: 15.2/10
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: 76.451+/-387.921 χ²/NDF:19.4/24
All: -395.312+/-272.533 χ²/NDF: 45.4/45



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

Left: 1324.722+/-0.315 χ^2/NDF: 145606.9/10

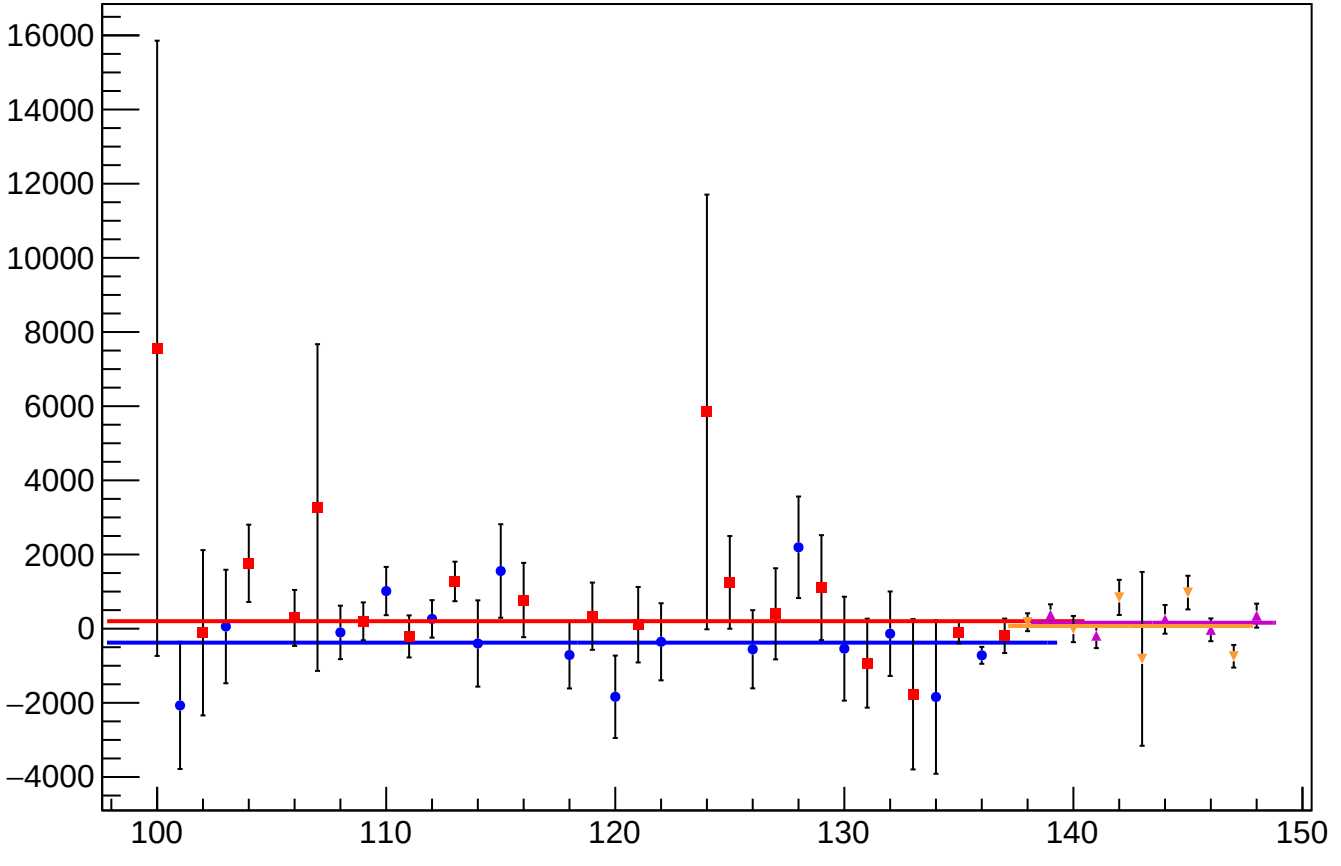
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 160.282+/-143.928 χ^2/NDF:2.5/4

Left: 117.418+/-103.314 χ^2/NDF: 16.8/10

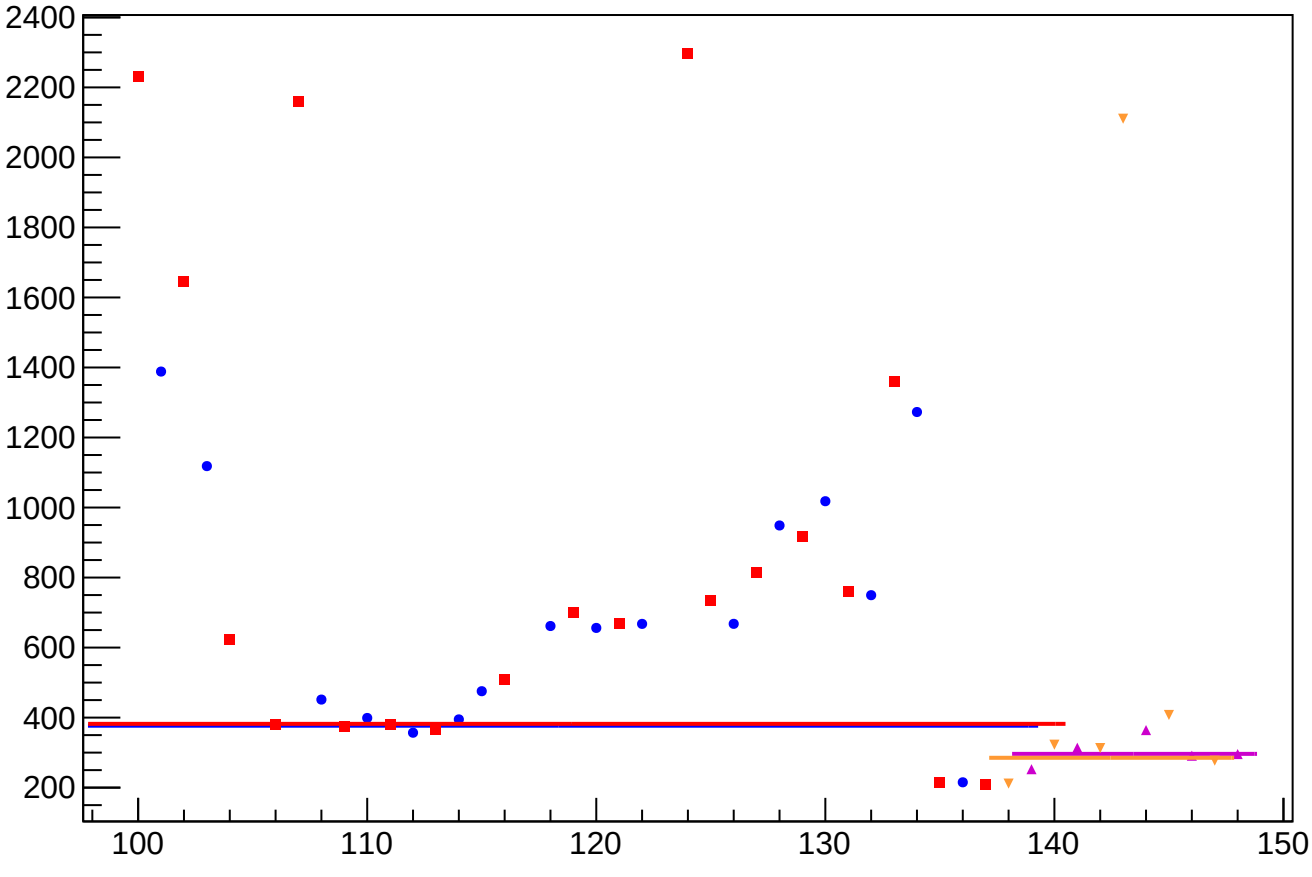
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 28.880+/-78.115 χ^2/NDF: 56.3/45

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: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

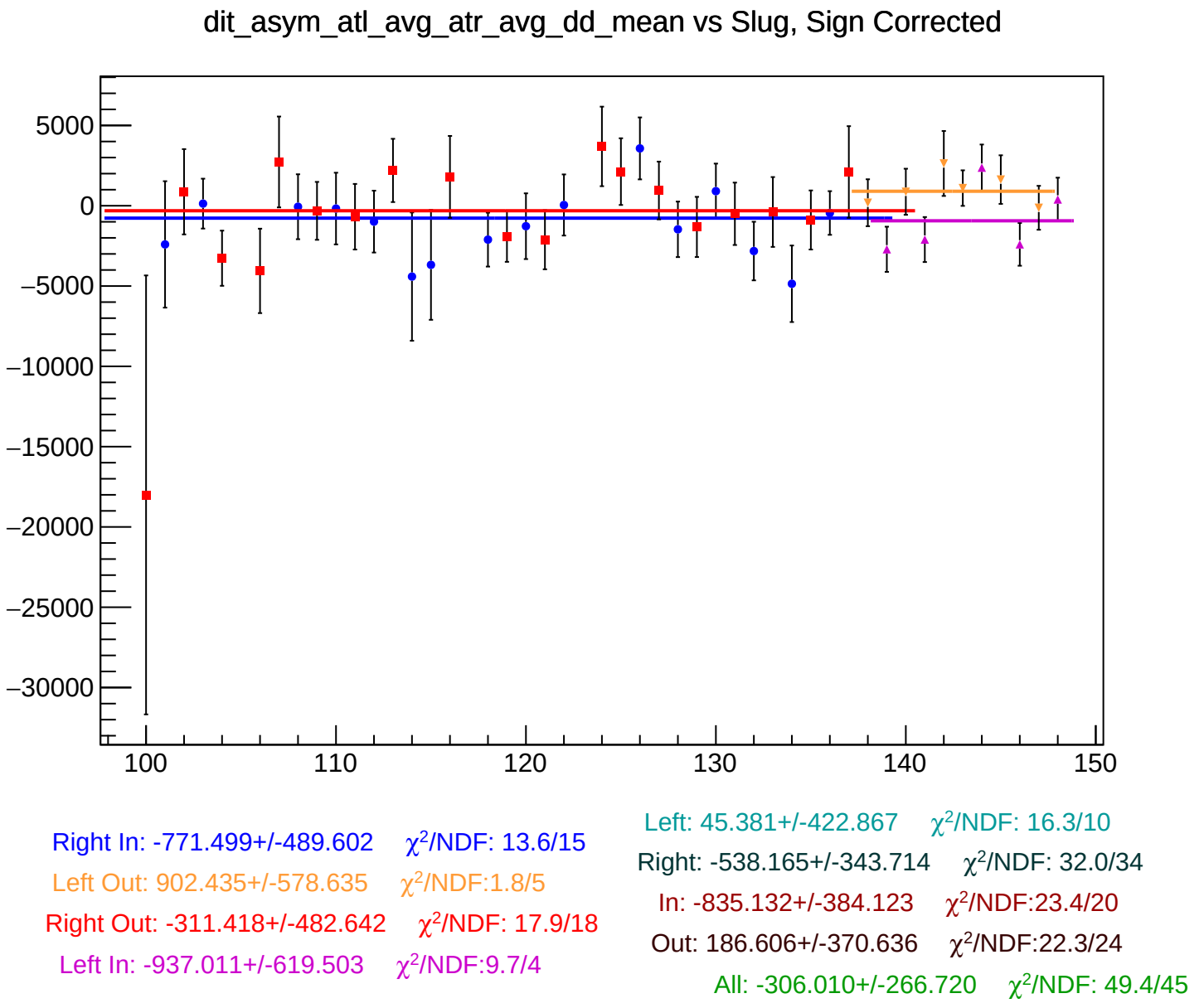
Left: 290.978+/-0.073 χ^2/NDF: 1696815.1/10

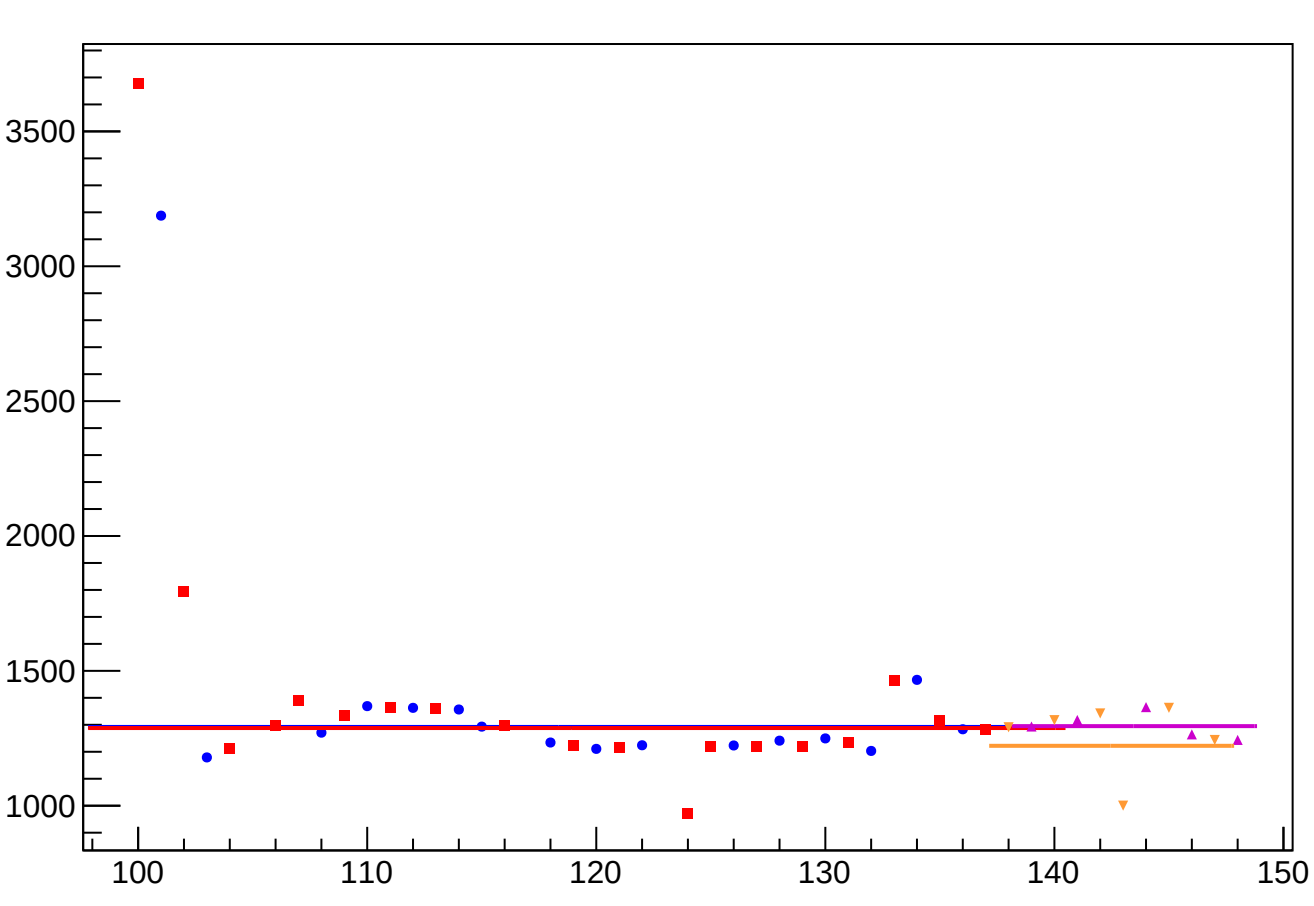
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 902.435+/-578.635 χ²/NDF:1.8/5
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -937.011+/-619.503 χ²/NDF:9.7/4
Left: 45.381+/-422.867 χ²/NDF: 16.3/10
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 186.606+/-370.636 χ²/NDF:22.3/24
All: -306.010+/-266.720 χ²/NDF: 49.4/45



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118378.4/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

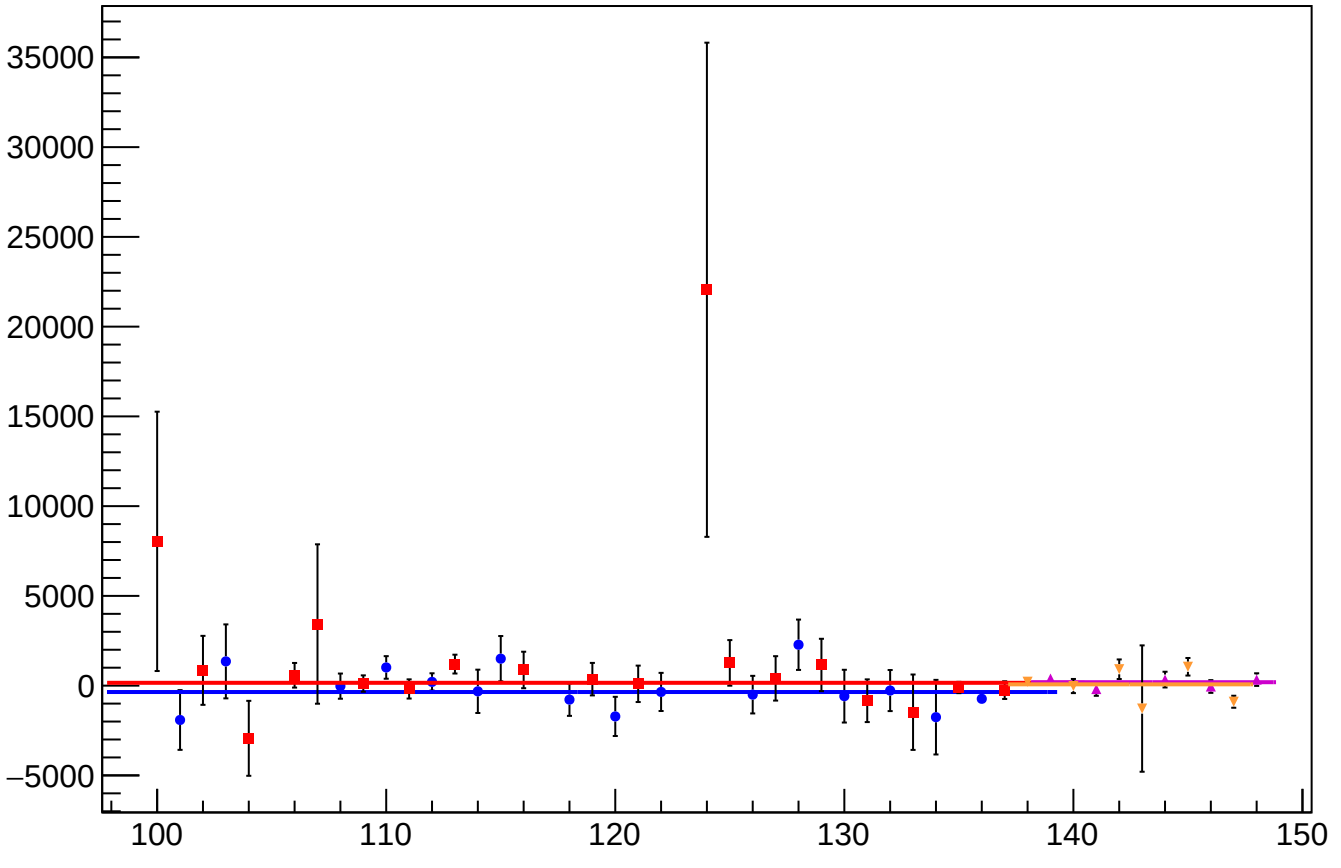
Left: 1256.095+/-0.299 χ^2/NDF: 142413.4/10

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1260.955+/-0.262 χ^2/NDF:342880.2/24

All: 1276.502+/-0.189 χ^2/NDF: 868832.7/45



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 72.849+/-158.450 χ^2/NDF:15.3/5

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 192.040+/-155.654 χ^2/NDF:2.3/4

Left: 133.506+/-111.040 χ^2/NDF: 17.9/10

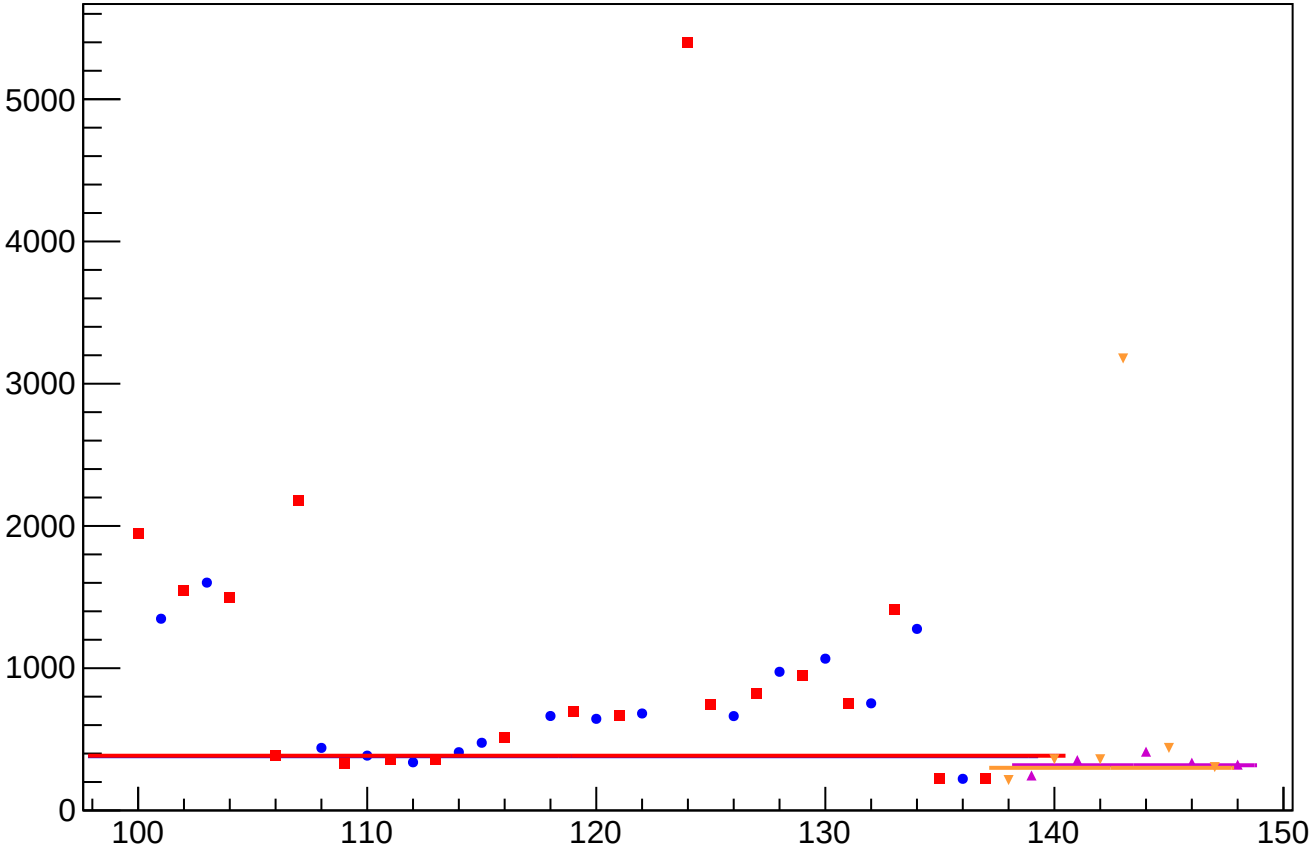
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -57.578+/-114.792 χ^2/NDF:26.4/20

Out: 112.482+/-115.803 χ^2/NDF:31.3/24

All: 26.707+/-81.525 χ^2/NDF: 58.7/45

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: 299.713+/-0.112 χ^2/NDF:1821593.1/5

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

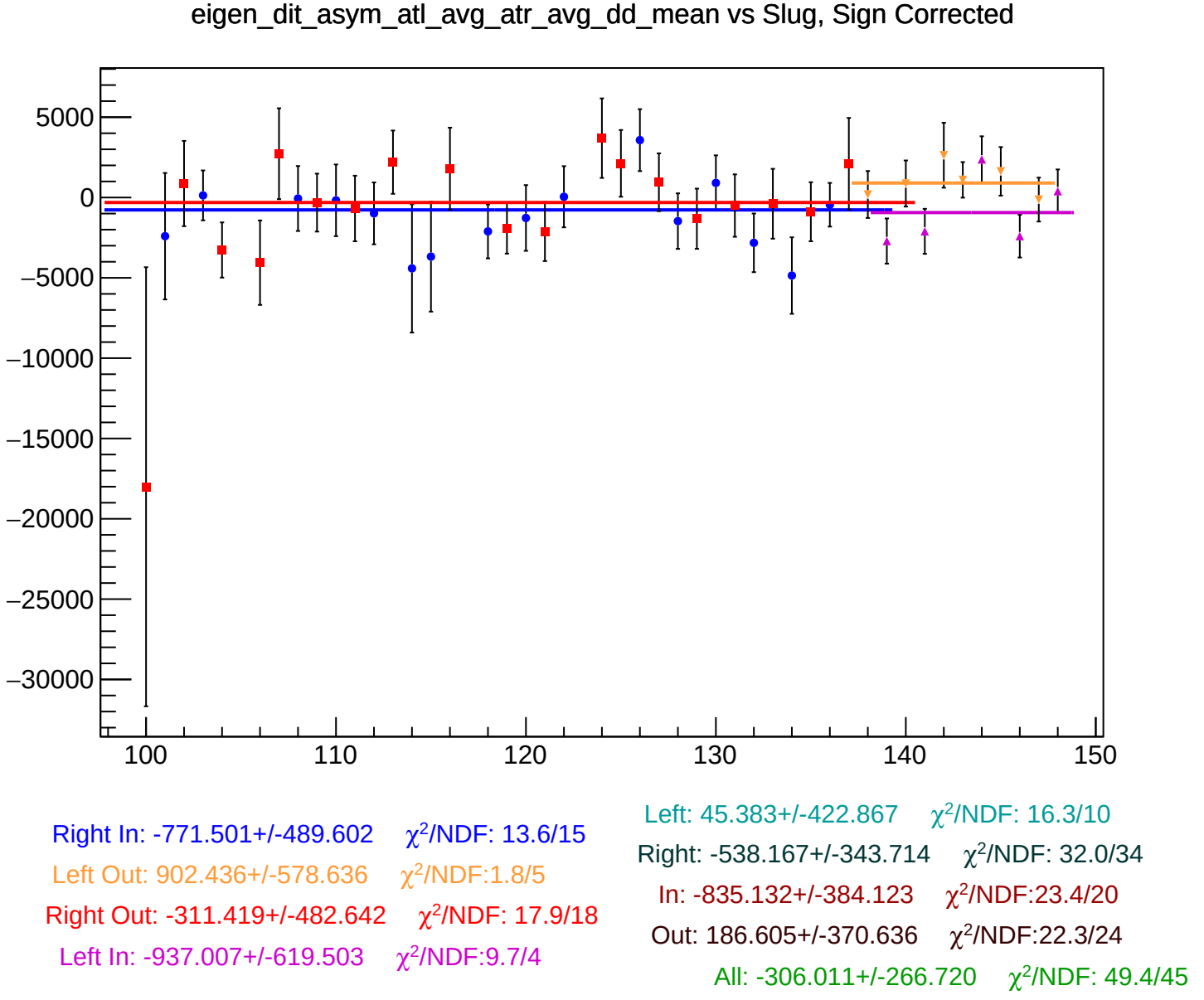
Left: 308.872+/-0.079 χ^2/NDF: 2088631.9/10

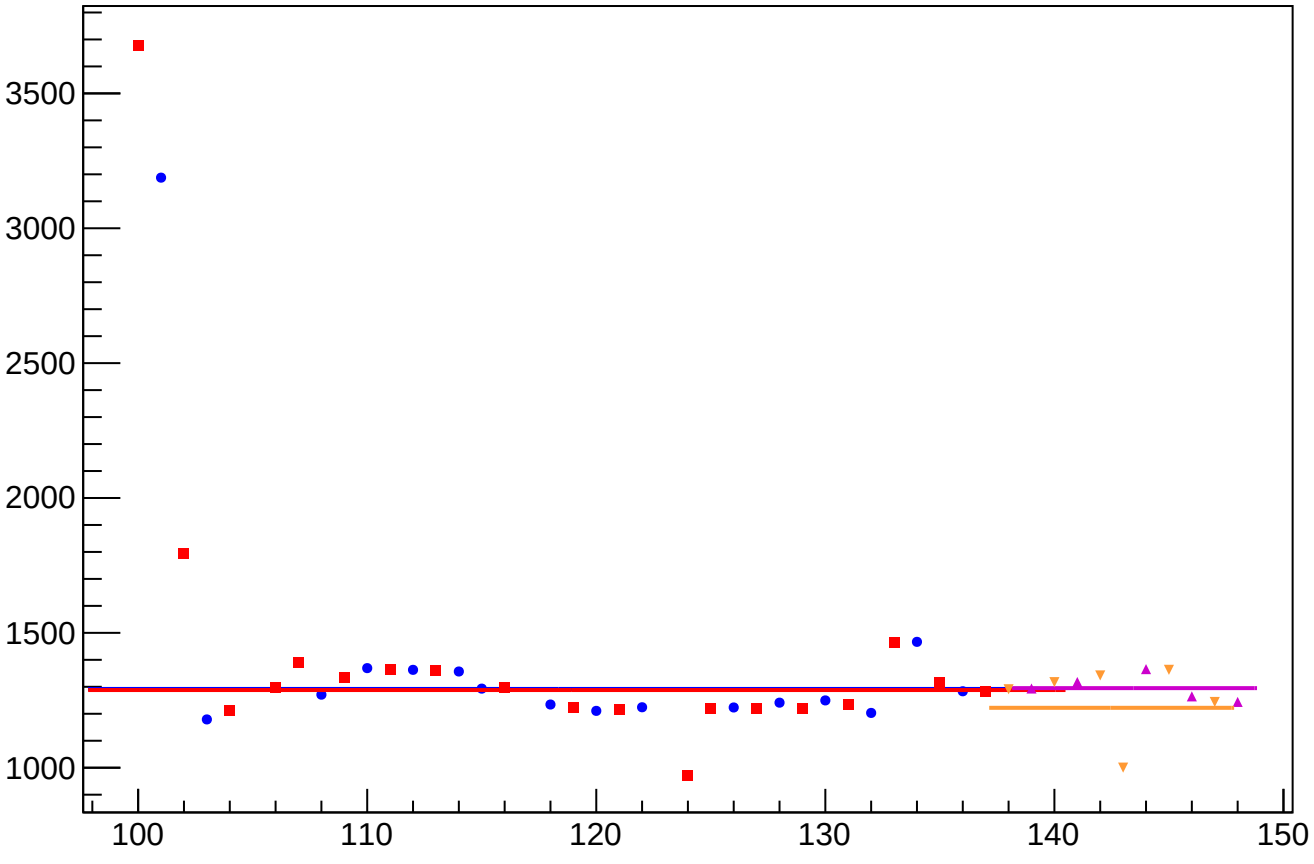
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 346.737+/-0.081 χ^2/NDF:4724318.2/20

Out: 339.282+/-0.082 χ^2/NDF:6649531.9/24

All: 343.042+/-0.058 χ^2/NDF: 11378030.4/45


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 902.436+/-578.636 χ²/NDF:1.8/5
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -937.007+/-619.503 χ²/NDF:9.7/4
Left: 45.383+/-422.867 χ²/NDF: 16.3/10
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 186.605+/-370.636 χ²/NDF:22.3/24
All: -306.011+/-266.720 χ²/NDF: 49.4/45



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118377.7/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

Left: 1256.095+/-0.299 χ^2/NDF: 142412.5/10

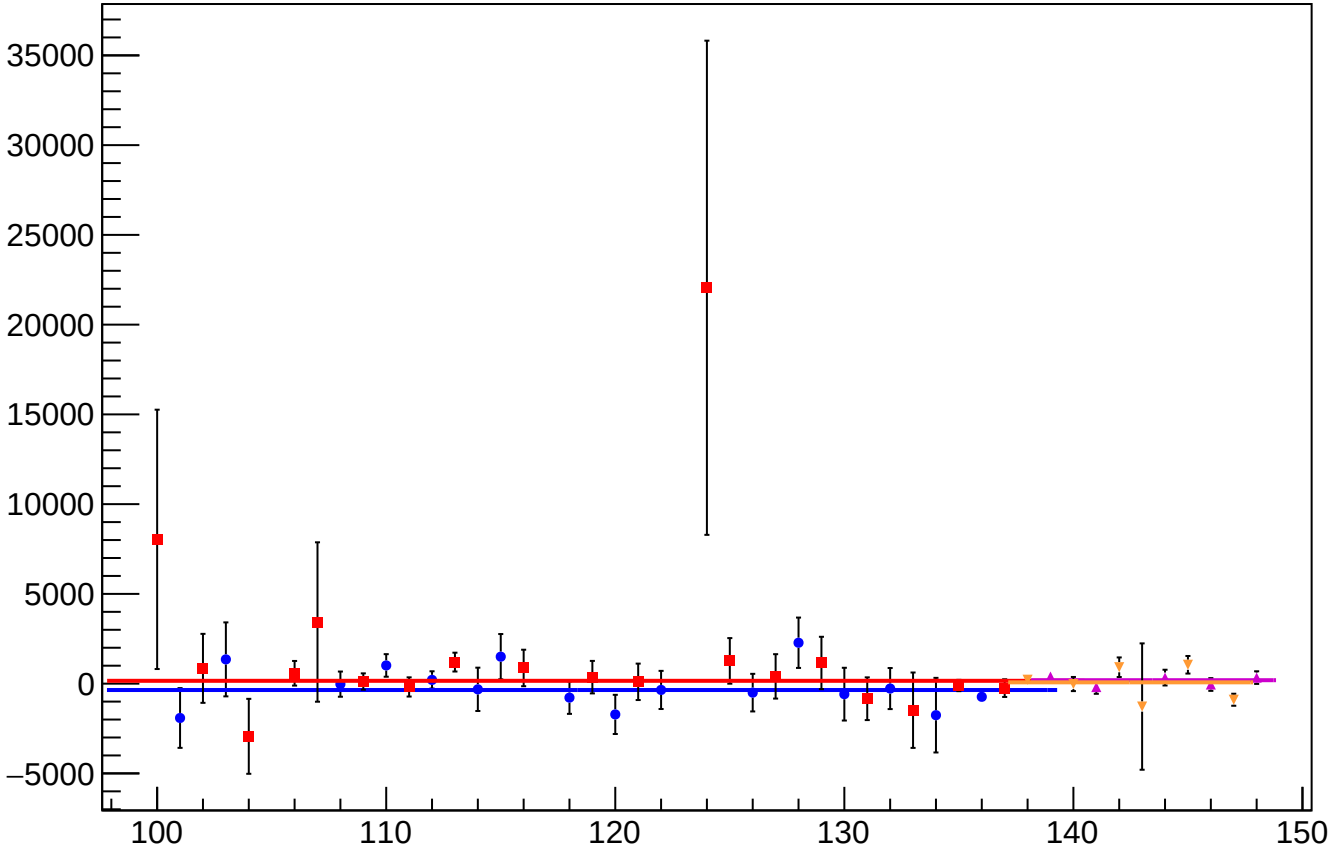
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1260.955+/-0.262 χ^2/NDF:342879.6/24

All: 1276.502+/-0.189 χ^2/NDF: 868832.0/45

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: 72.844+/-158.455 χ^2/NDF:15.3/5

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 192.041+/-155.657 χ^2/NDF:2.3/4

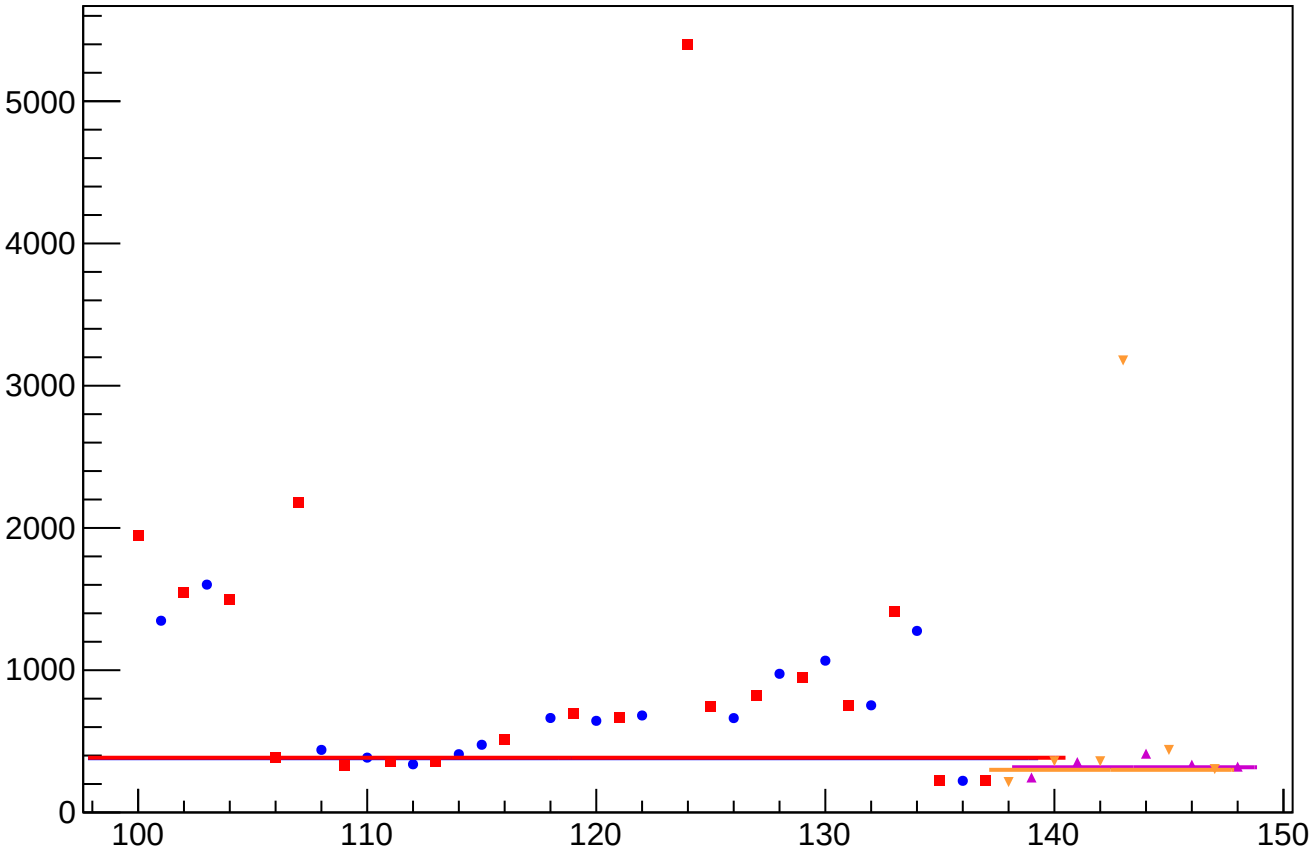
Left: 133.504+/-111.042 χ^2/NDF: 17.9/10

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -57.577+/-114.794 χ^2/NDF:26.4/20

Out: 112.483+/-115.805 χ^2/NDF:31.3/24

All: 26.707+/-81.527 χ^2/NDF: 58.7/45



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 299.724+/-0.112 χ^2/NDF:1821493.1/5

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

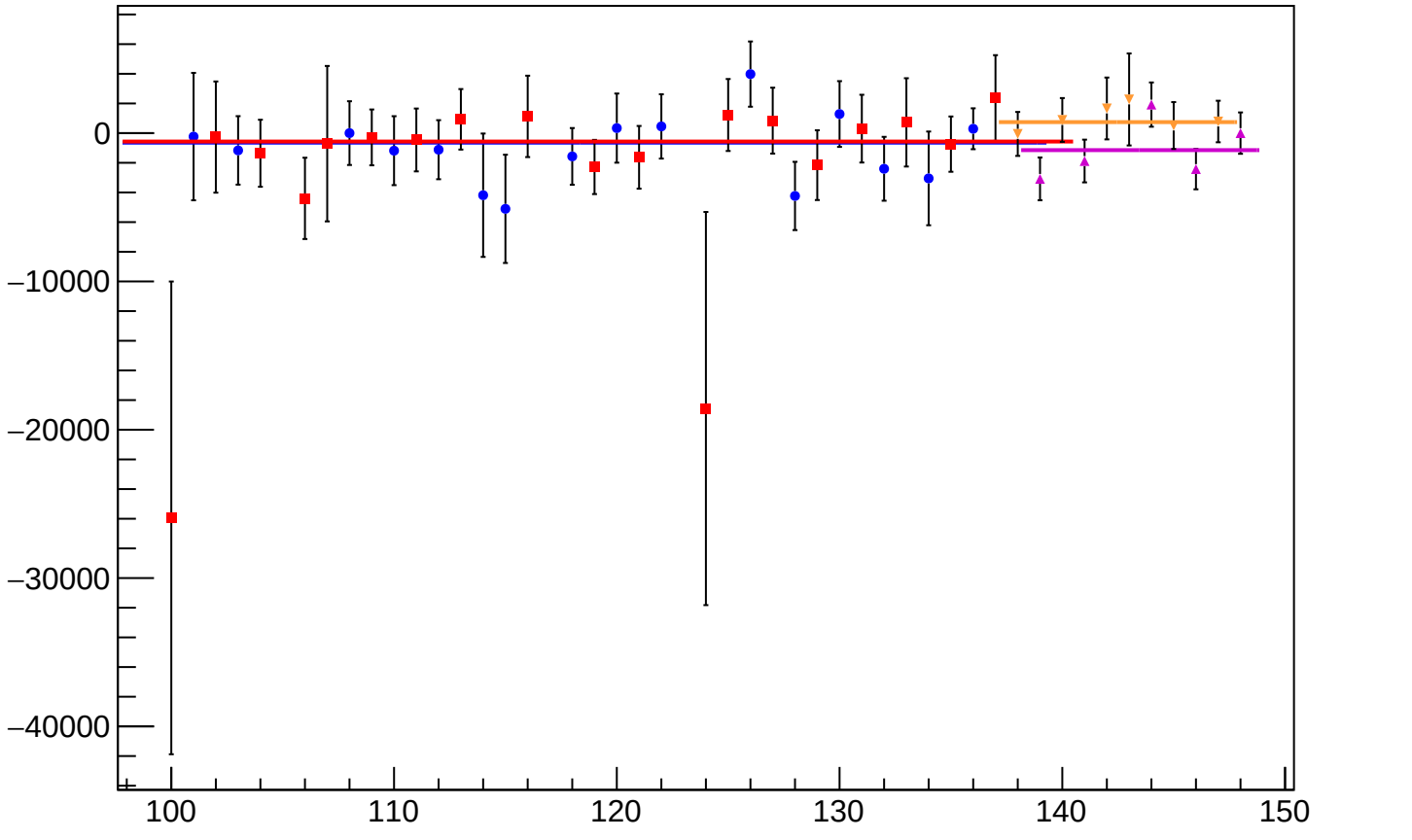
Left: 308.881+/-0.079 χ^2/NDF: 2088456.9/10

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 346.745+/-0.081 χ^2/NDF:4724072.8/20

Out: 339.292+/-0.082 χ^2/NDF:6649265.8/24

All: 343.051+/-0.058 χ^2/NDF: 11377517.2/45



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 743.411+/-680.775 χ^2/NDF:0.8/5

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1147.000+/-637.213 χ^2/NDF:7.9/4

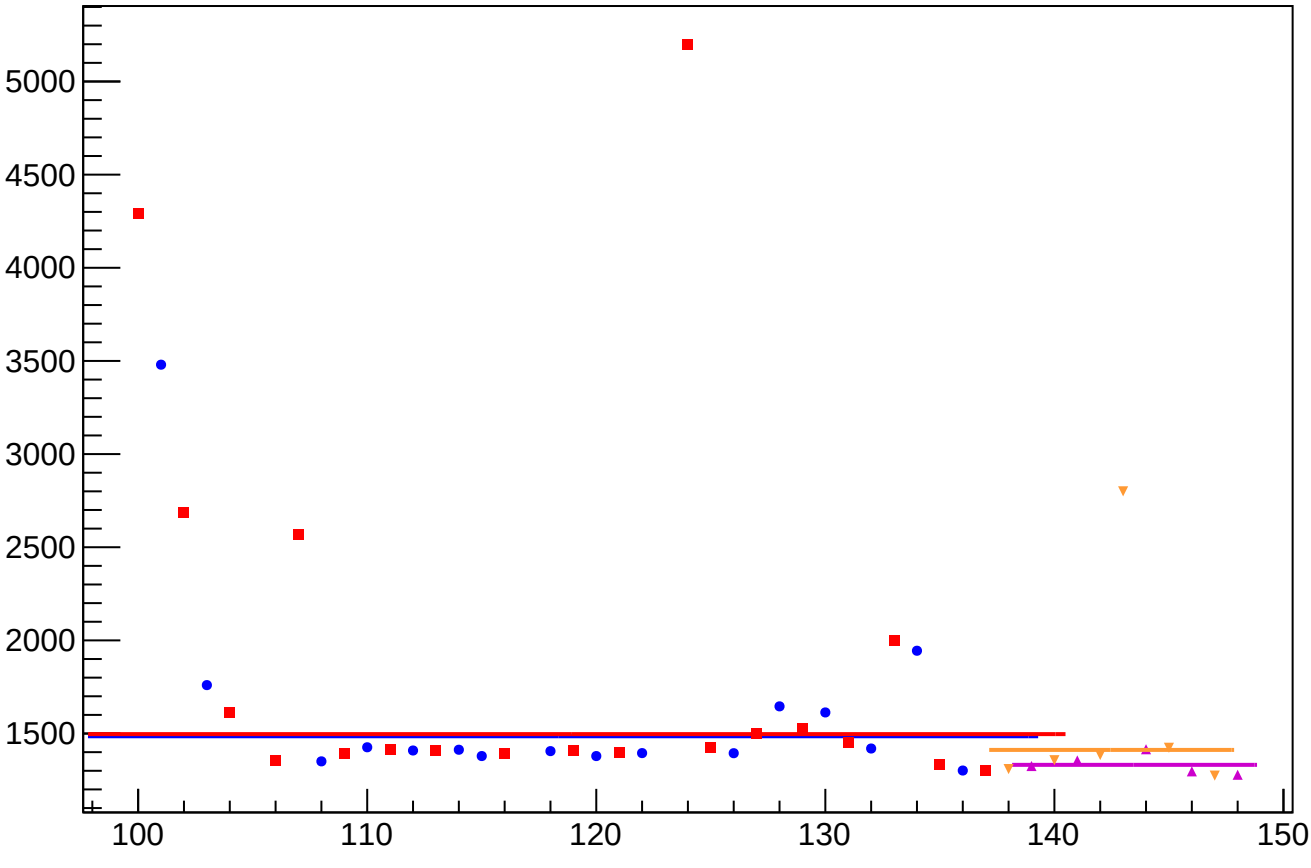
Left: -264.208+/-465.216 χ^2/NDF: 12.7/10

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -863.337+/-422.485 χ^2/NDF:20.7/20

Out: -30.698+/-435.577 χ^2/NDF:14.3/24

All: -459.719+/-303.265 χ^2/NDF: 36.8/45



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1412.058+/-0.481 χ^2/NDF:432421.5/5

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

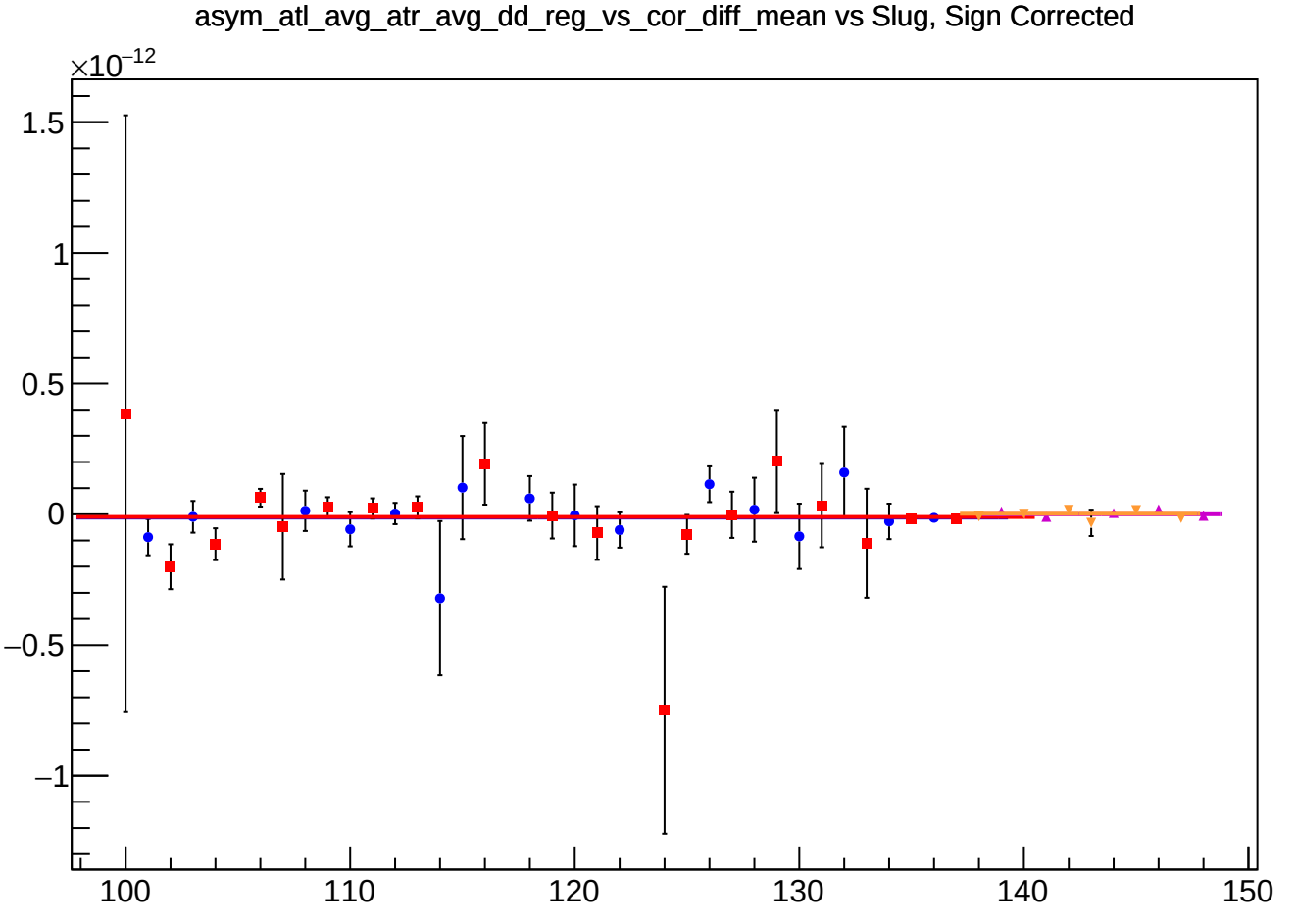
Left: 1369.319+/-0.329 χ^2/NDF: 458293.2/10

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1417.894+/-0.299 χ^2/NDF:660589.5/20

Out: 1462.147+/-0.308 χ^2/NDF:1074046.0/24

All: 1439.346+/-0.214 χ^2/NDF: 1745272.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

Left: 0.000+/-0.000 χ^2/NDF: 16.9/10

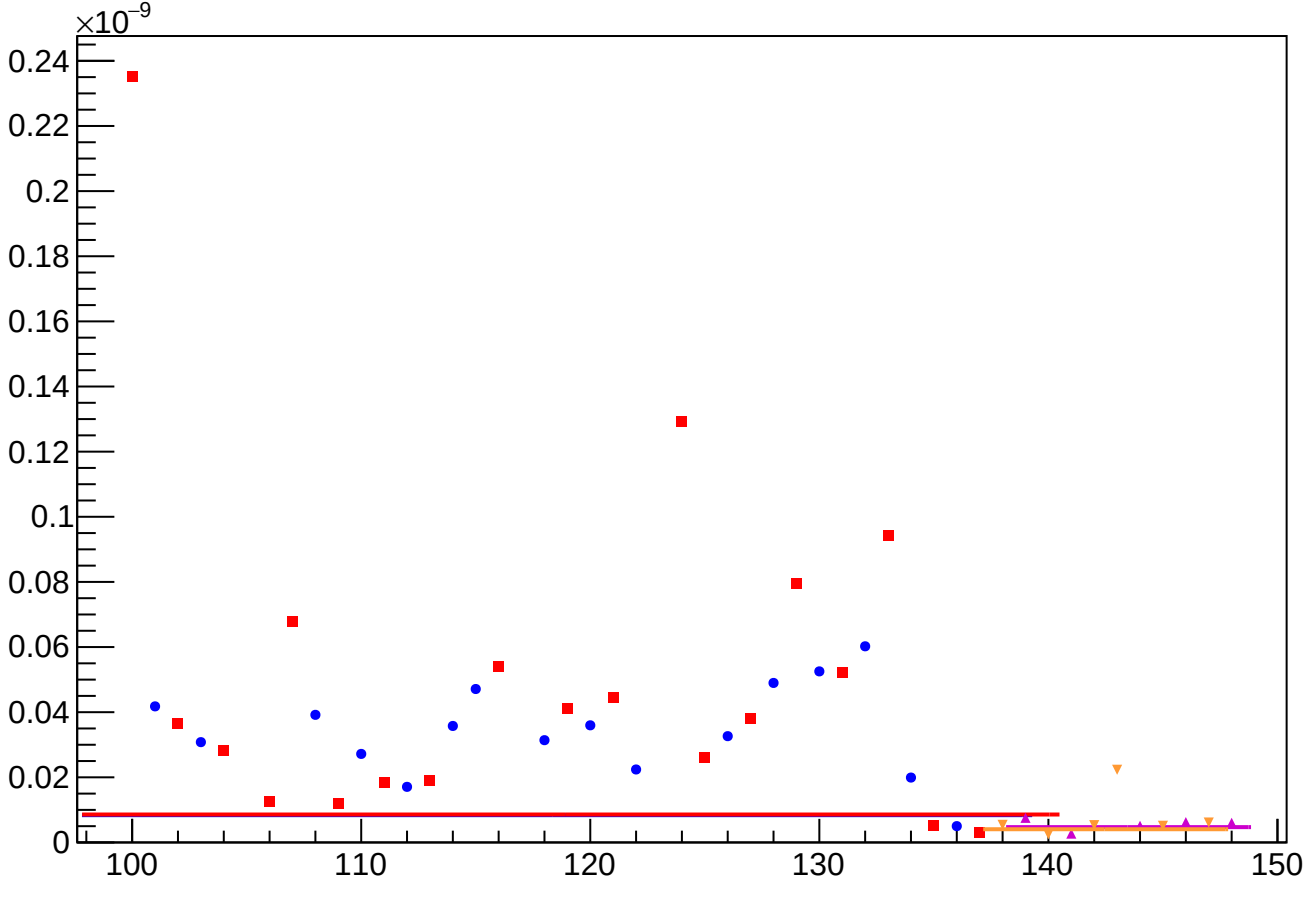
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.9/20

Out: 0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 53.2/45

asym_atl_avg_atr_avg_dd_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:641236.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:456853.5/4

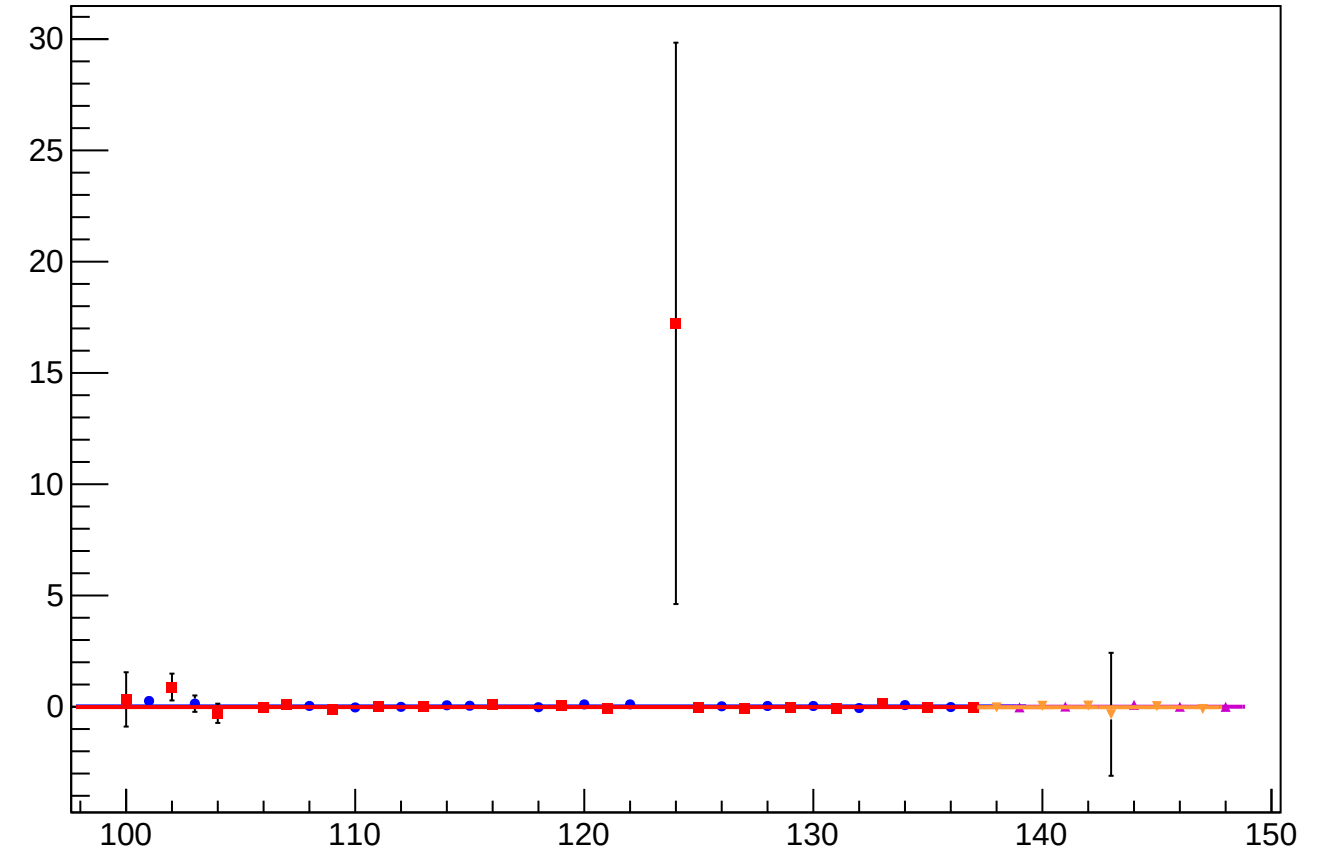
Left: 0.000+/-0.000 χ^2/NDF: 1130866.8/10

Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3907078.9/20

Out: 0.000+/-0.000 χ^2/NDF:4526640.6/24

All: 0.000+/-0.000 χ^2/NDF: 8478215.1/45



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

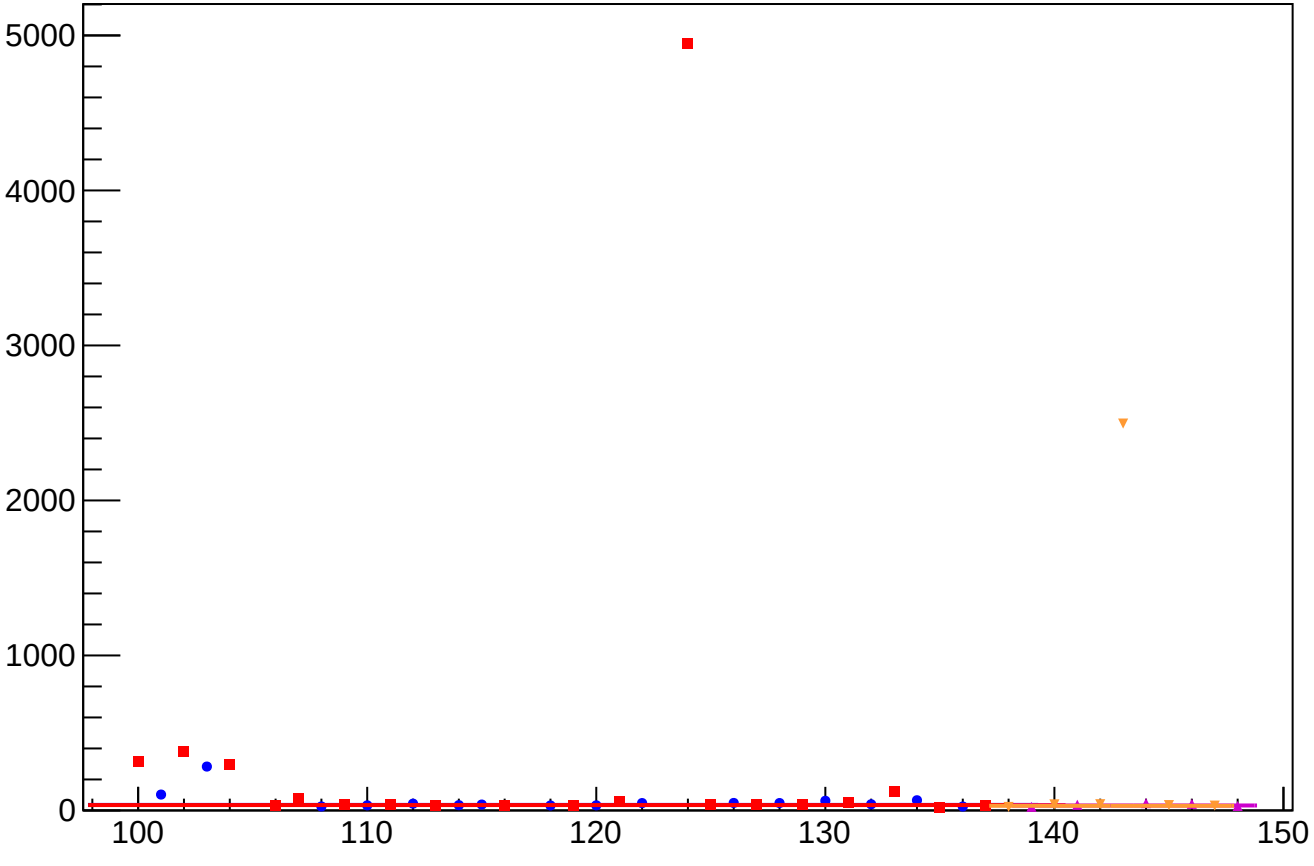
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

Left: 31.154+/-0.009 χ^2/NDF: 2387047.8/10

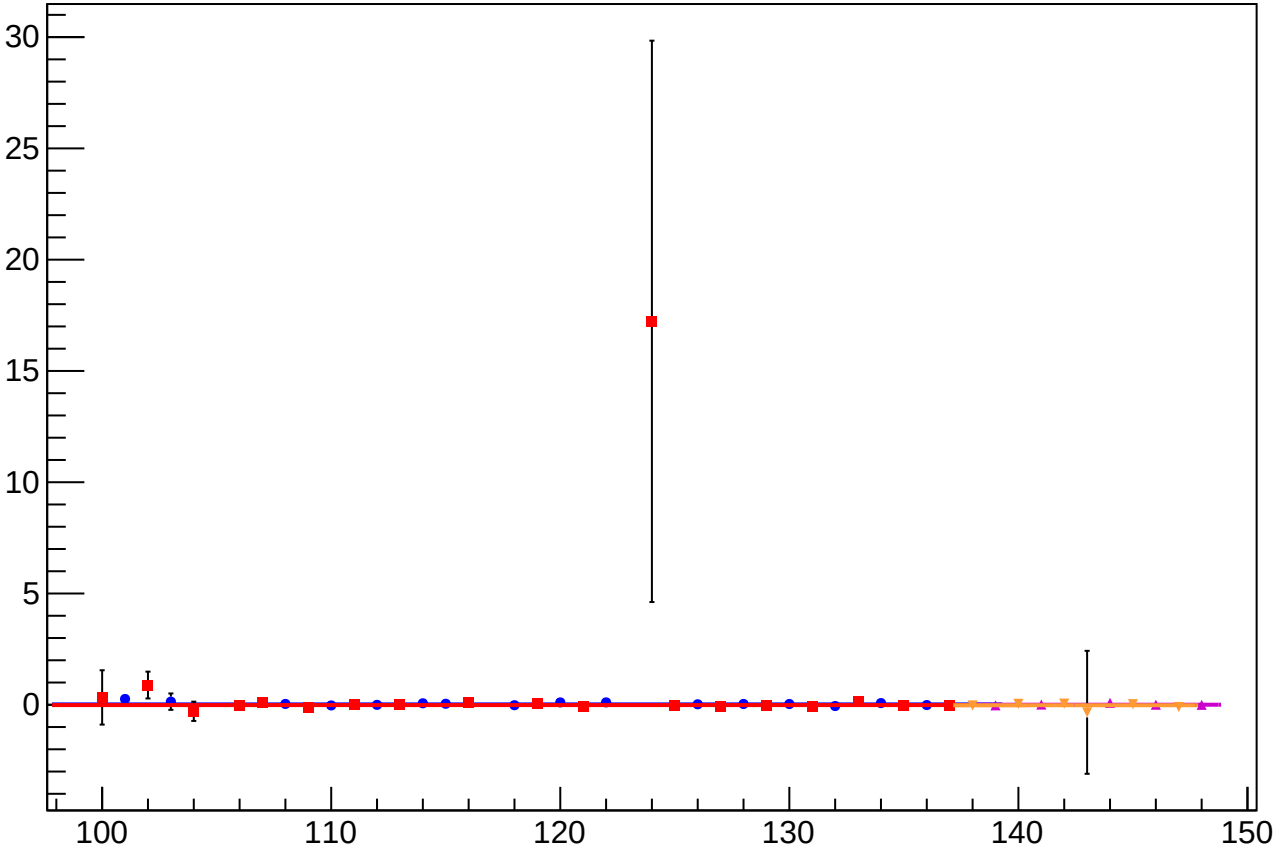
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

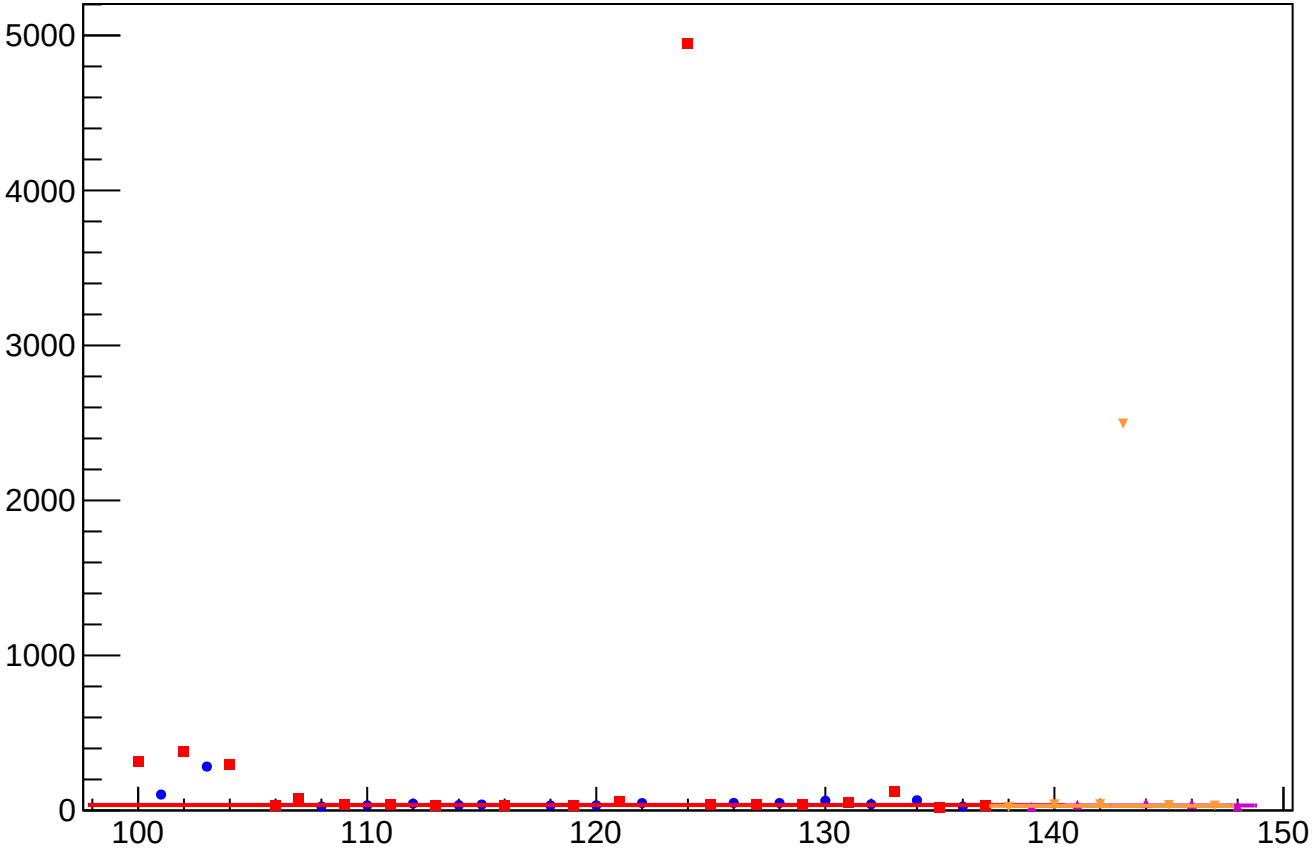
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

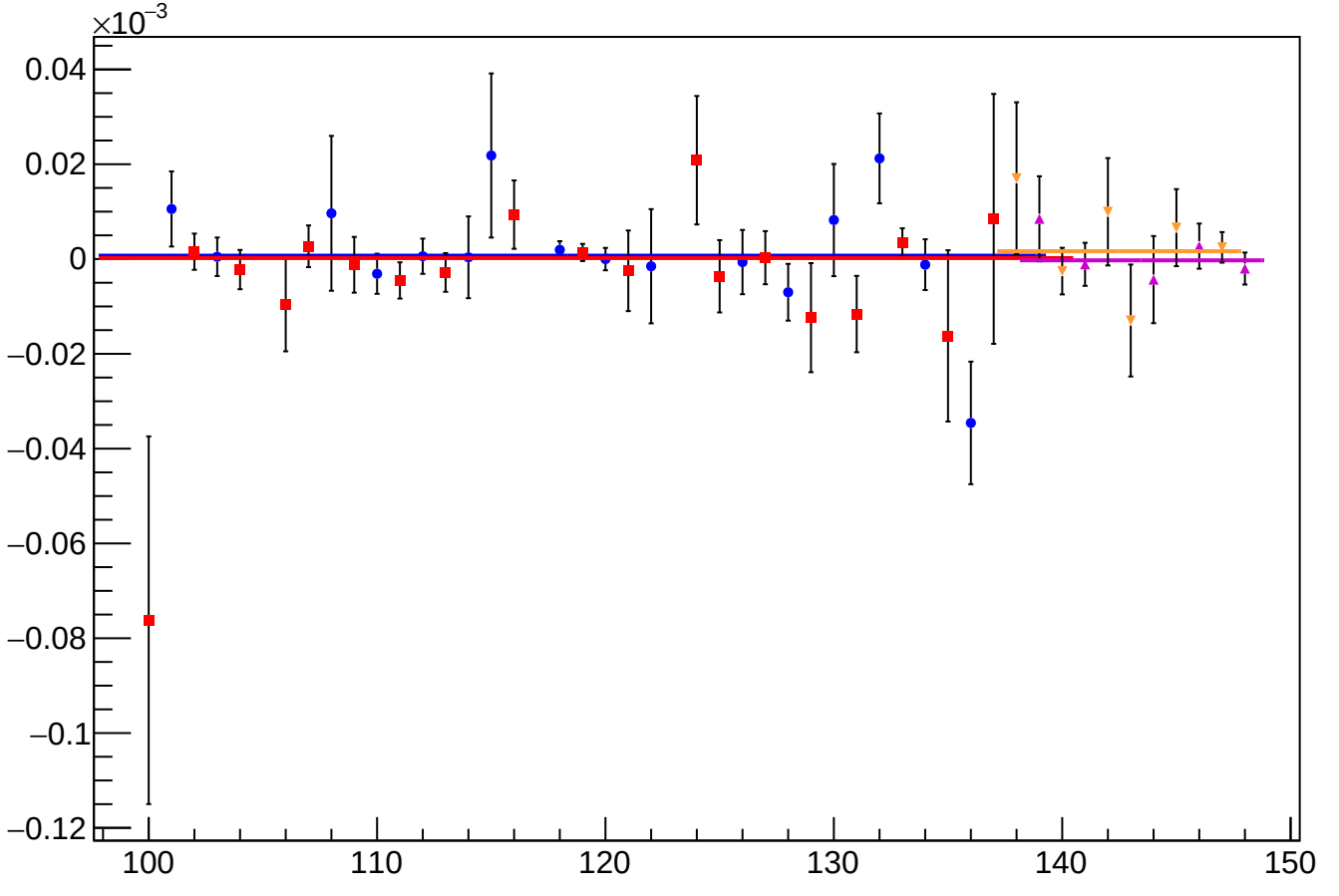
Left: 31.154+/-0.009 χ^2/NDF: 2387047.8/10

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

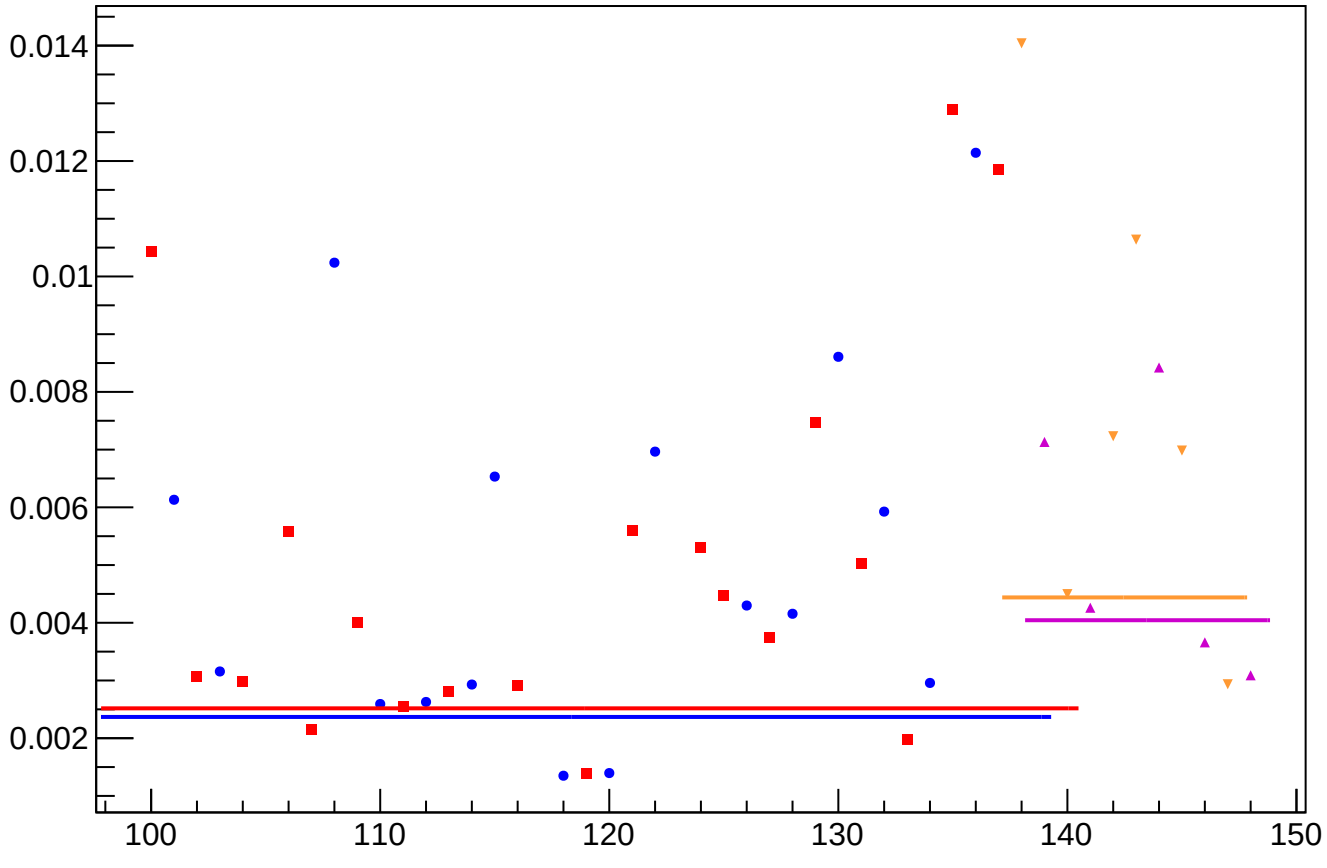
Left: 0.000+/-0.000 χ^2/NDF: 6.3/10

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/20

Out: 0.000+/-0.000 χ^2/NDF:22.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.6/45



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:868570.8/4

Left: 0.004+/-0.000 χ^2/NDF: 2918527.5/10

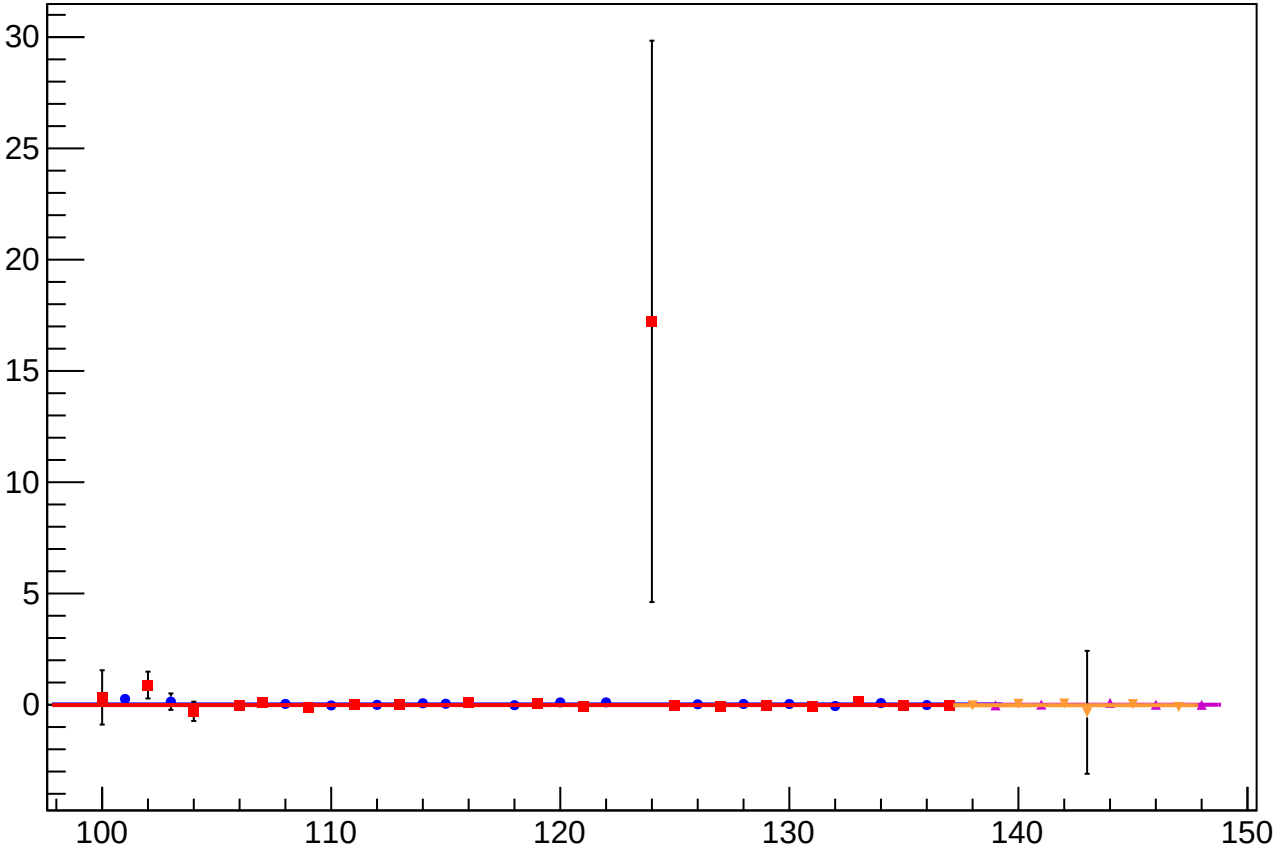
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6509634.3/20

Out: 0.003+/-0.000 χ^2/NDF:6478256.3/24

All: 0.003+/-0.000 χ^2/NDF: 13004299.9/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

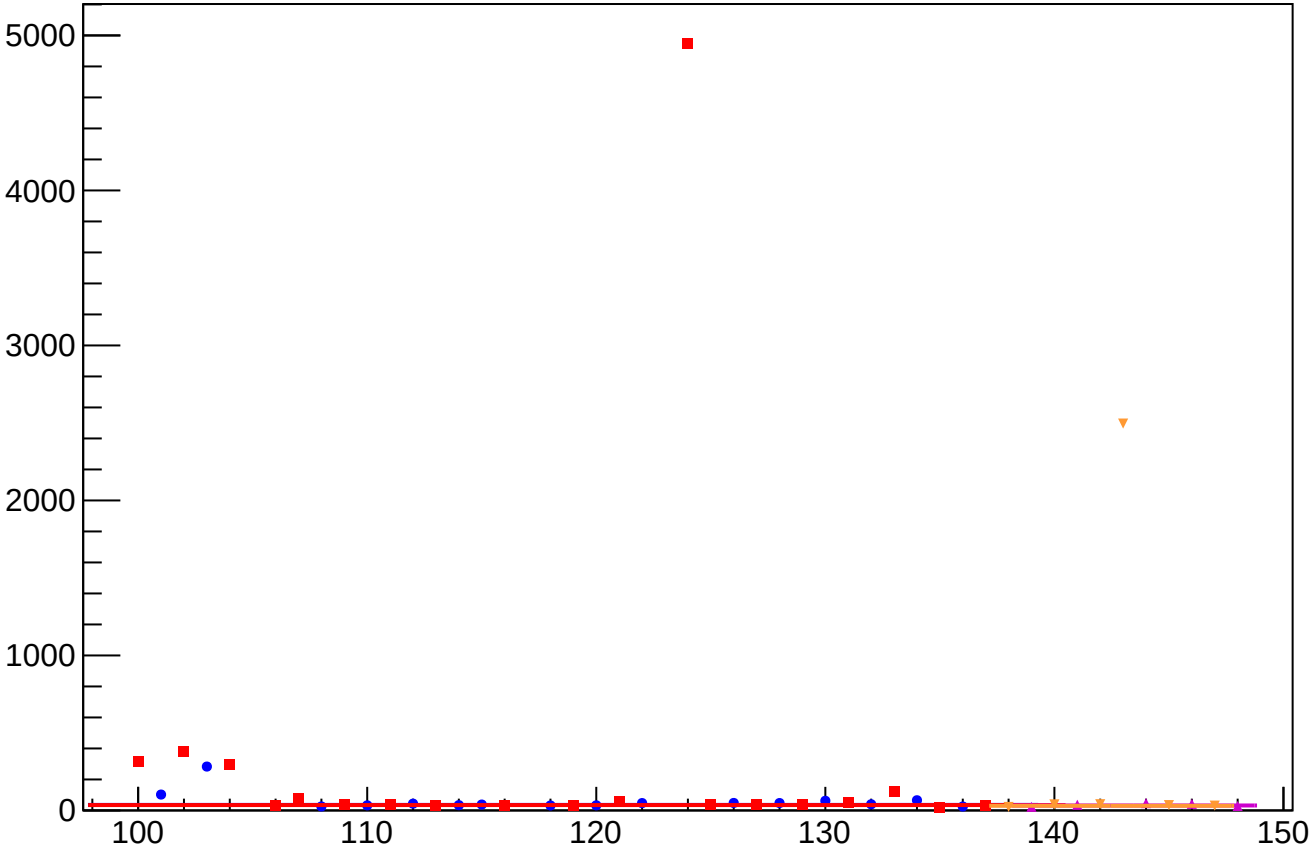
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

Left: 31.152+/-0.009 χ^2/NDF: 2387518.2/10

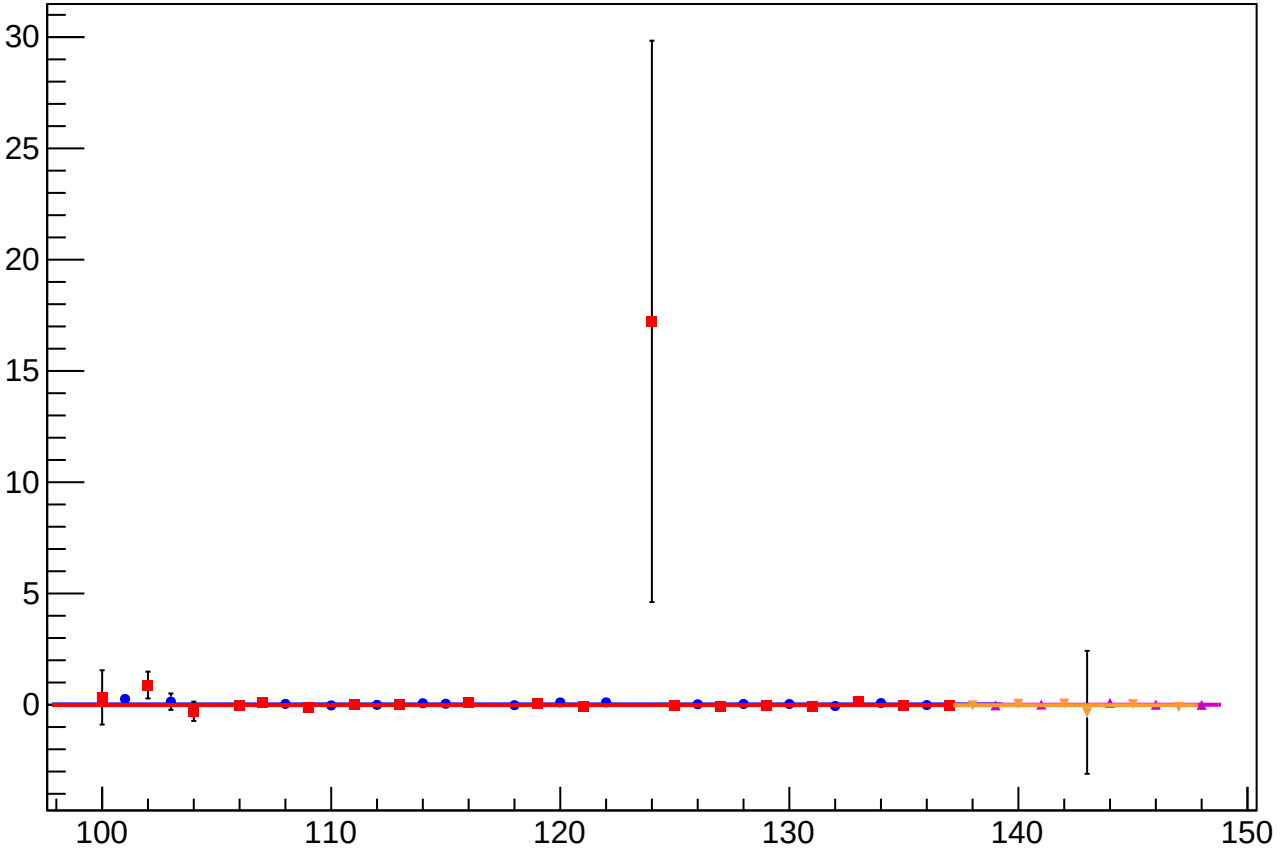
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

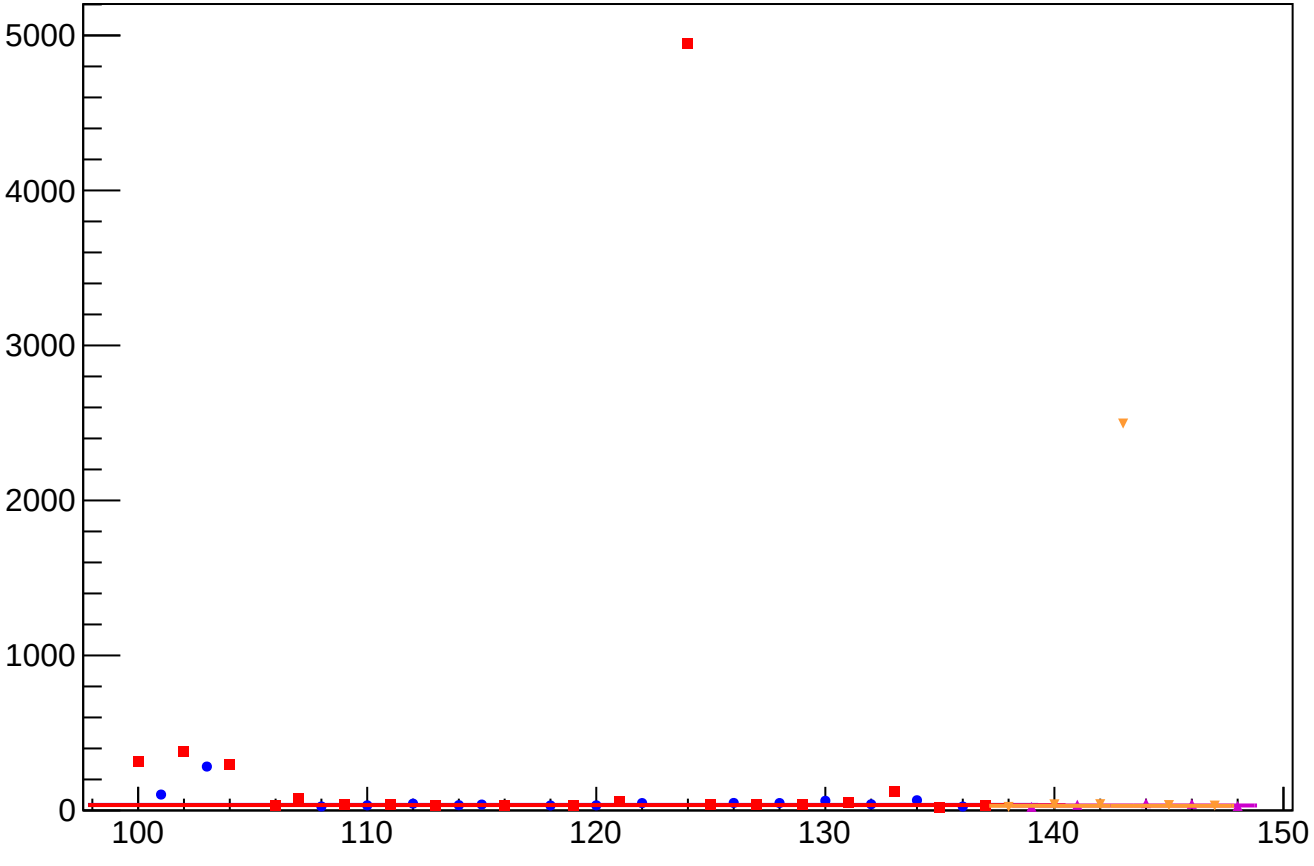
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

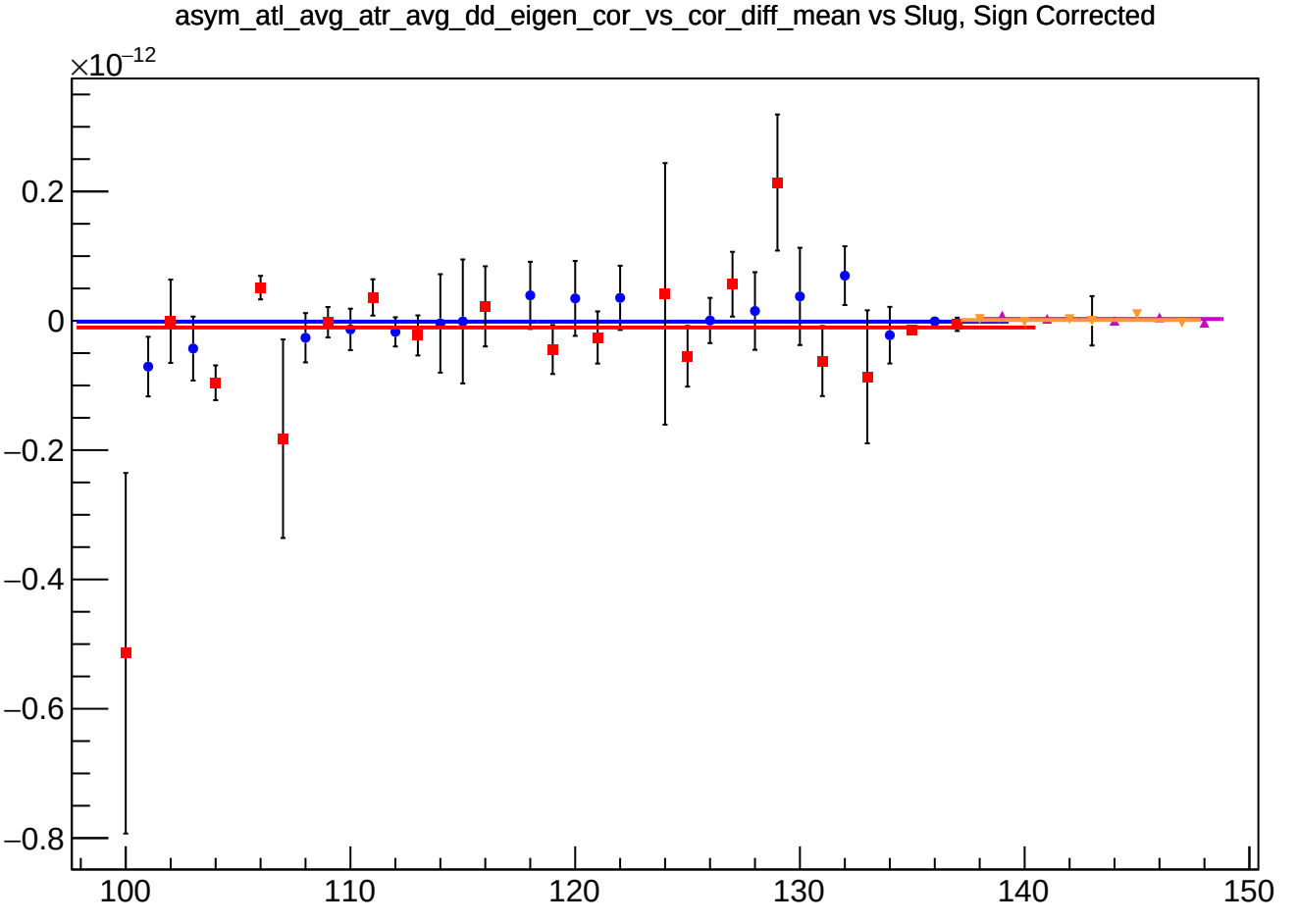
Left: 31.152+/-0.009 χ^2/NDF: 2387518.2/10

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

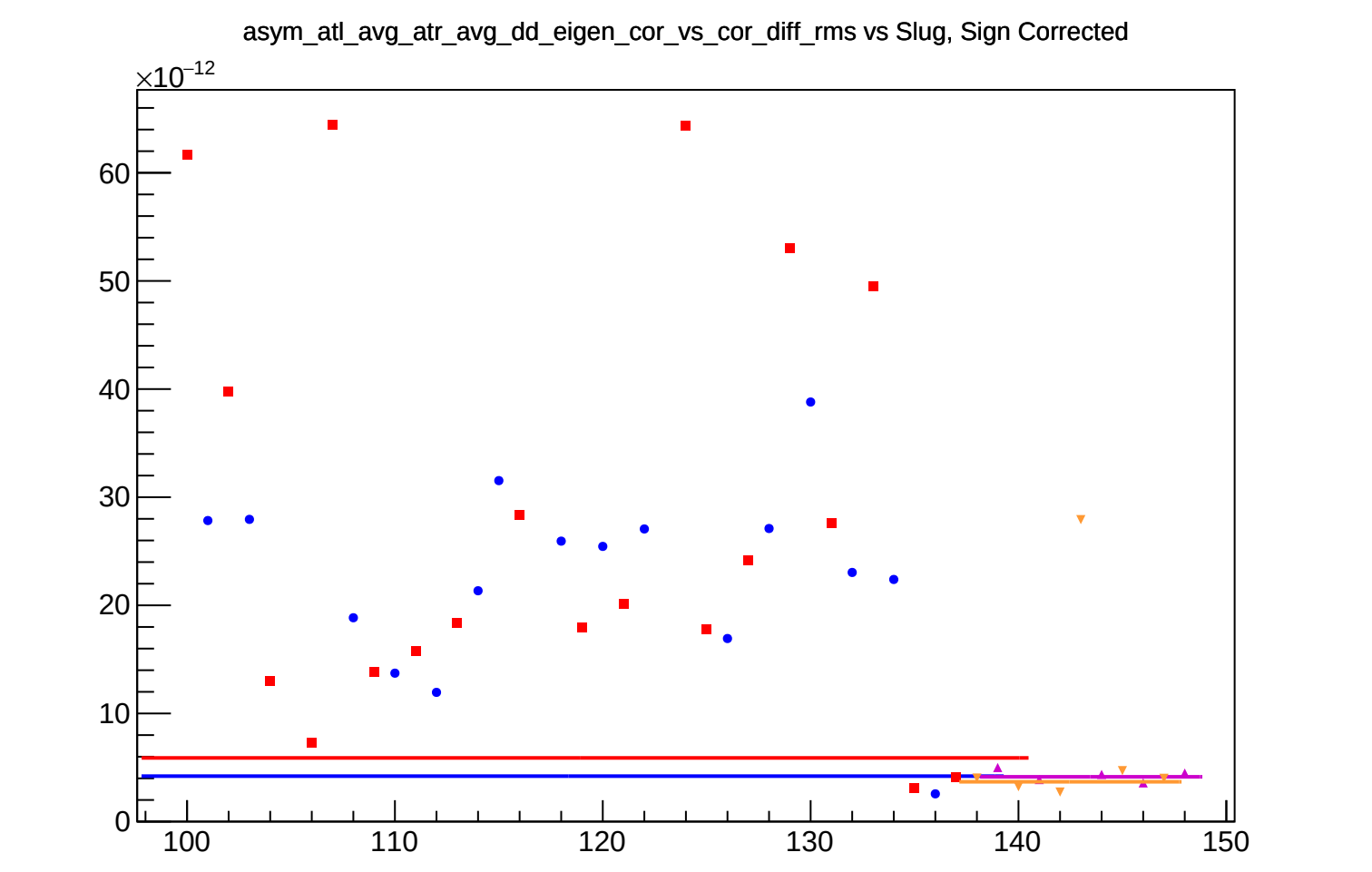
Left: 0.000+/-0.000 χ^2/NDF: 5.6/10

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.7/20

Out: -0.000+/-0.000 χ^2/NDF:48.9/24

All: -0.000+/-0.000 χ^2/NDF: 61.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:966841.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:76519.4/4

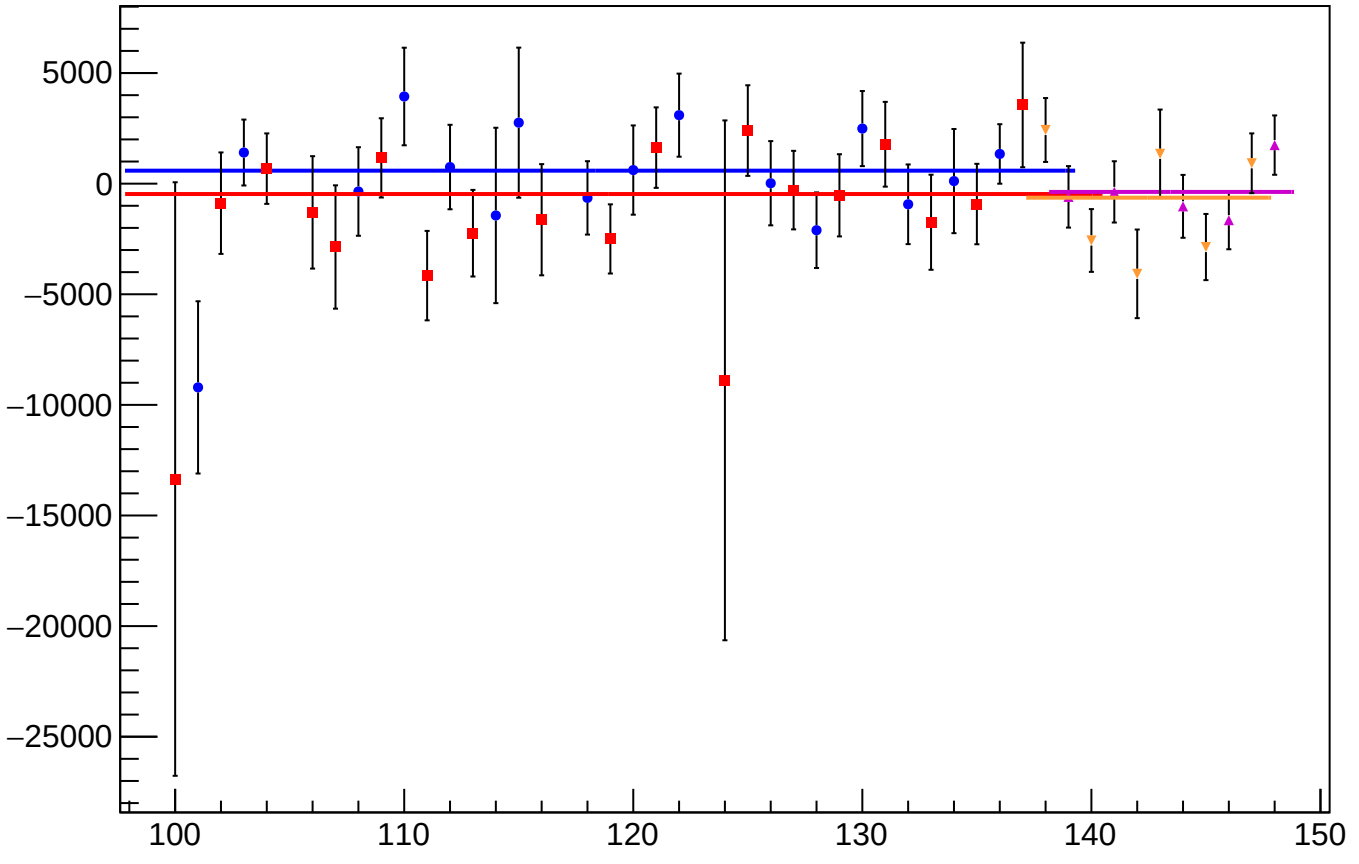
Left: 0.000+/-0.000 χ^2/NDF: 1081517.2/10

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5157176.7/20

Out: 0.000+/-0.000 χ^2/NDF:6257989.4/24

All: 0.000+/-0.000 χ^2/NDF: 11415341.9/45



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.775+/-636.101 χ^2/NDF:13.8/5

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -373.535+/-612.184 χ^2/NDF:3.7/4

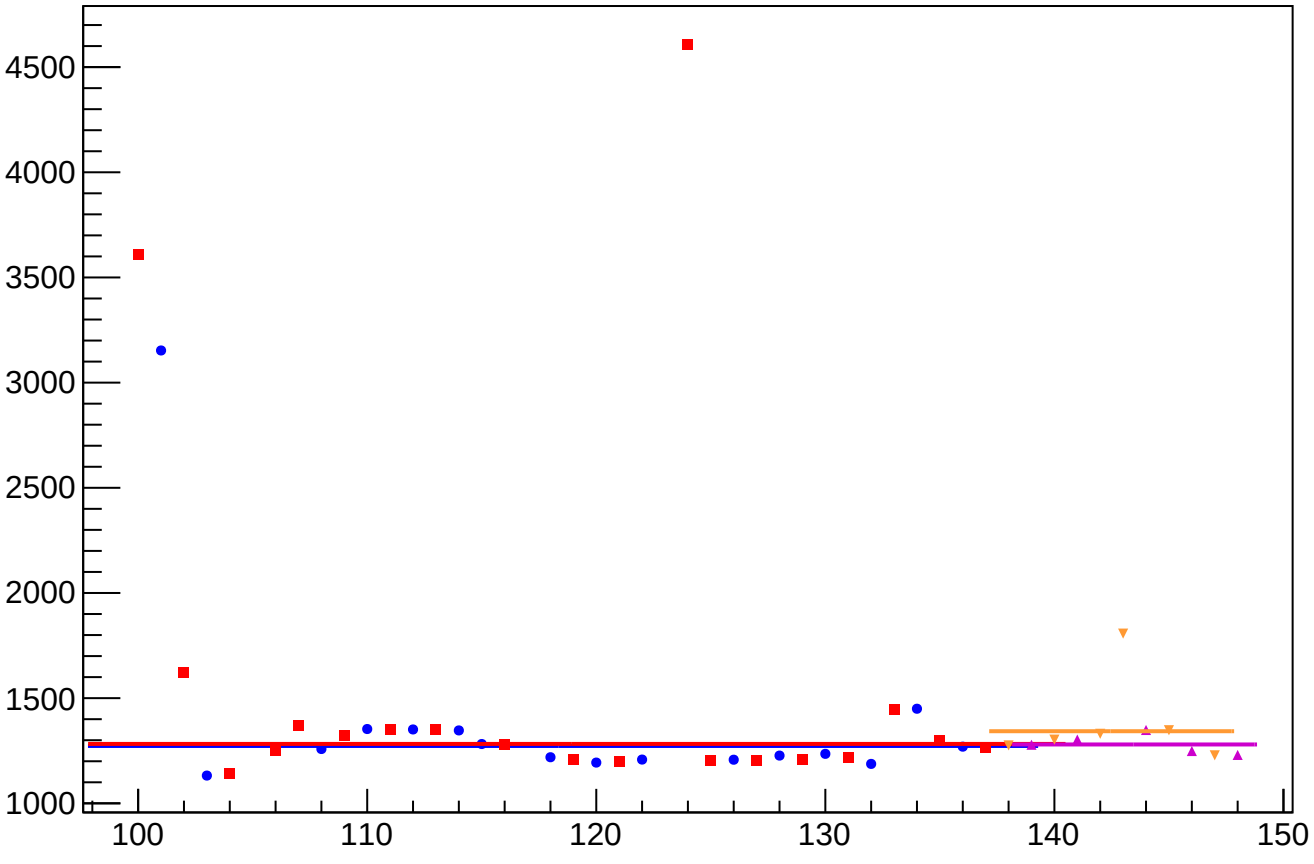
Left: -498.670+/-441.092 χ^2/NDF: 17.6/10

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 218.971+/-378.915 χ^2/NDF:22.3/20

Out: -528.873+/-383.415 χ^2/NDF:30.7/24

All: -150.537+/-269.510 χ^2/NDF: 54.9/45



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

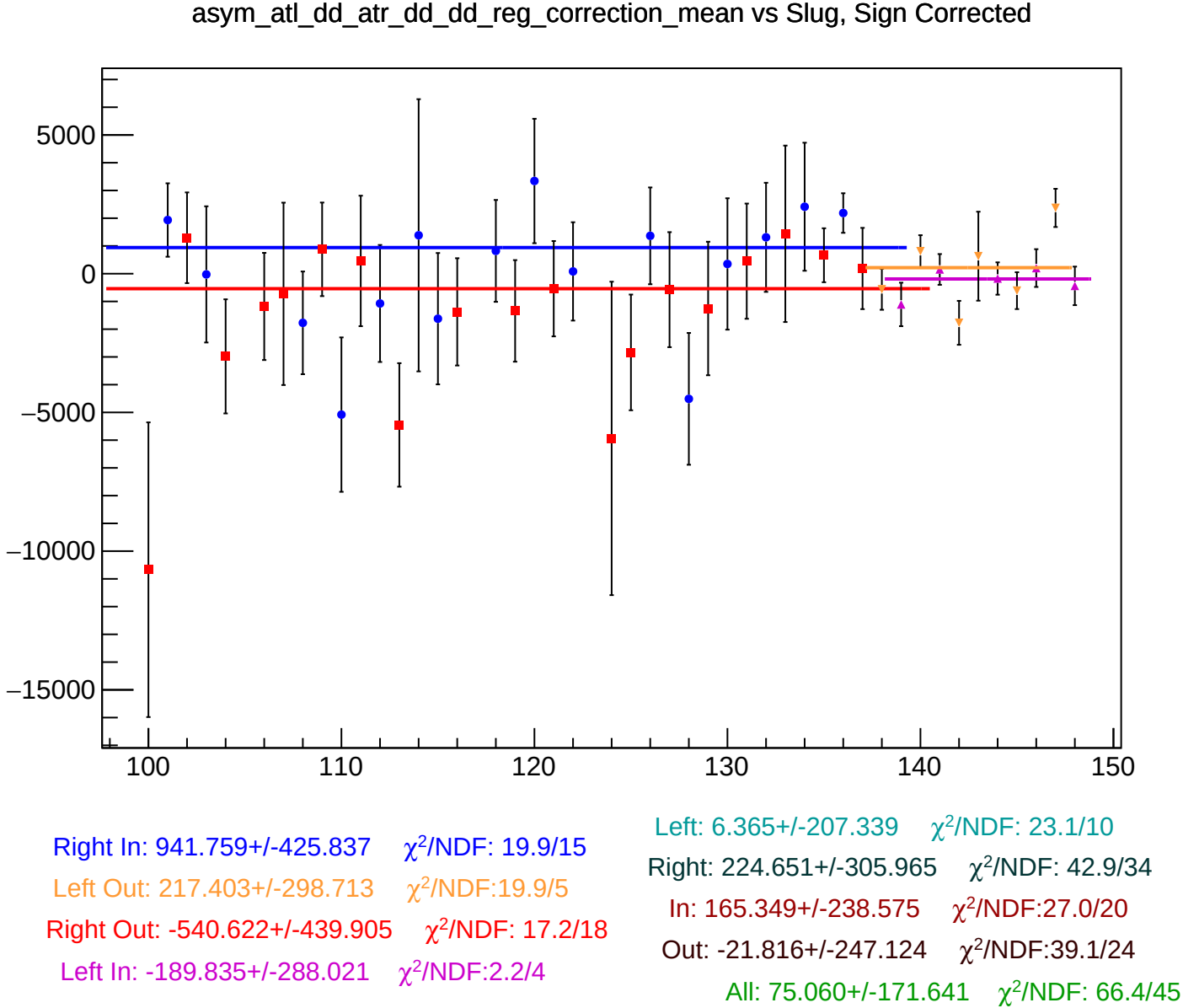
Left: 1310.105+/-0.312 χ^2/NDF: 147421.8/10

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

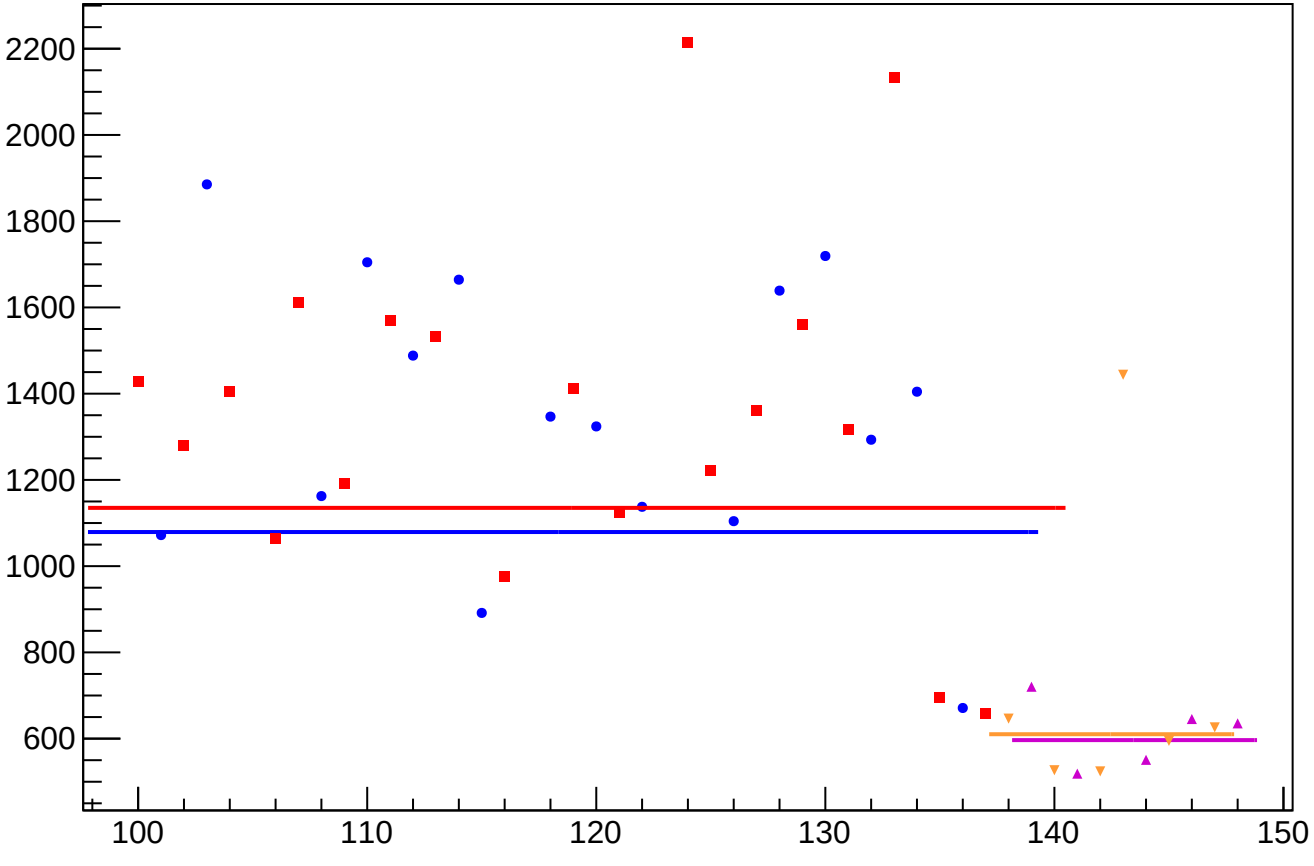
In: 1275.491+/-0.268 χ^2/NDF:528591.7/20

Out: 1304.324+/-0.271 χ^2/NDF:461684.1/24

All: 1289.737+/-0.191 χ^2/NDF: 995997.9/45


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 217.403+/-298.713 χ²/NDF:19.9/5
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -189.835+/-288.021 χ²/NDF:2.2/4
Left: 6.365+/-207.339 χ²/NDF: 23.1/10
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 165.349+/-238.575 χ²/NDF:27.0/20
Out: -21.816+/-247.124 χ²/NDF:39.1/24
All: 75.060+/-171.641 χ²/NDF: 66.4/45

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: 610.220+/-0.211 χ^2/NDF:613203.9/5

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

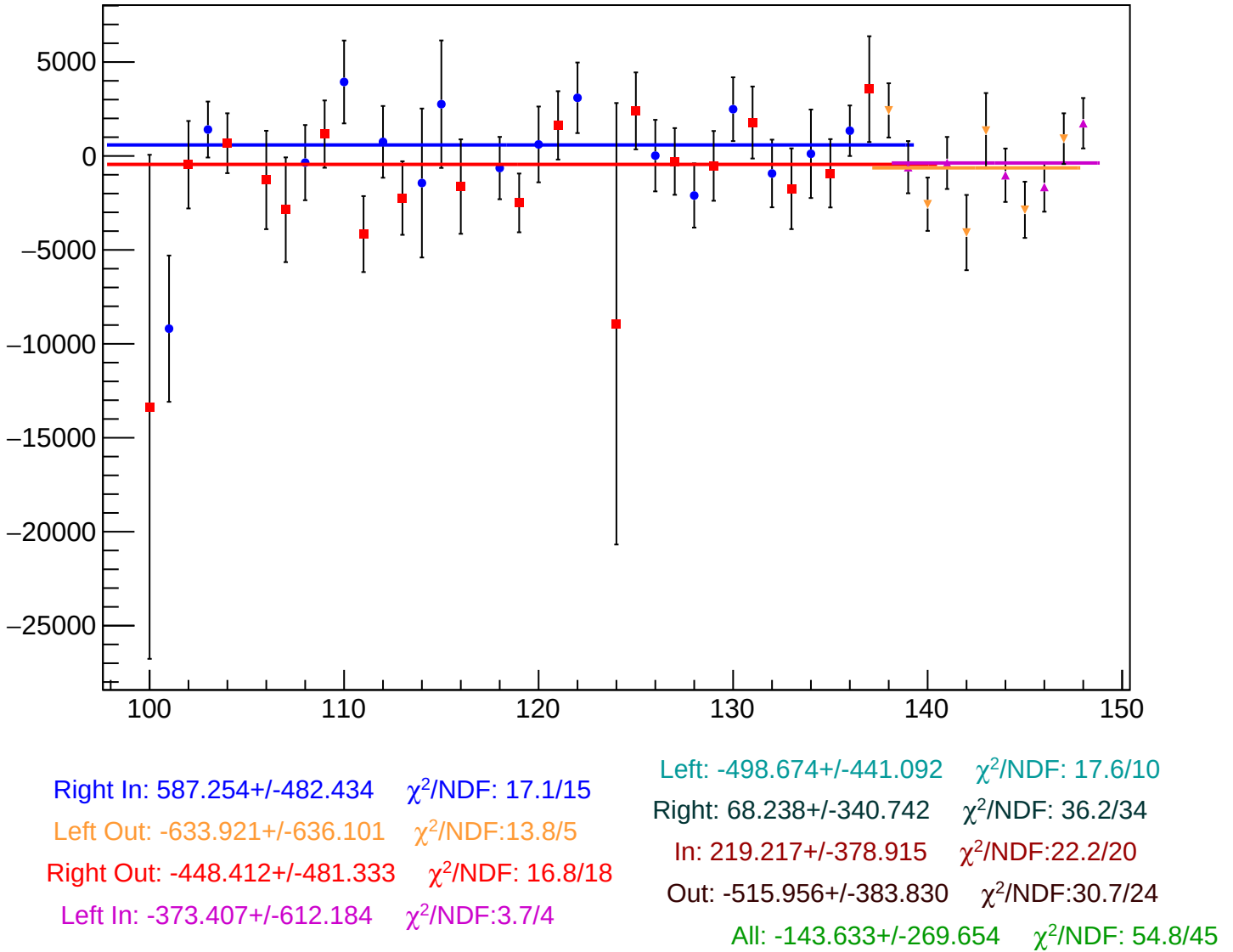
Left: 603.141+/-0.147 χ^2/NDF: 733489.6/10

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

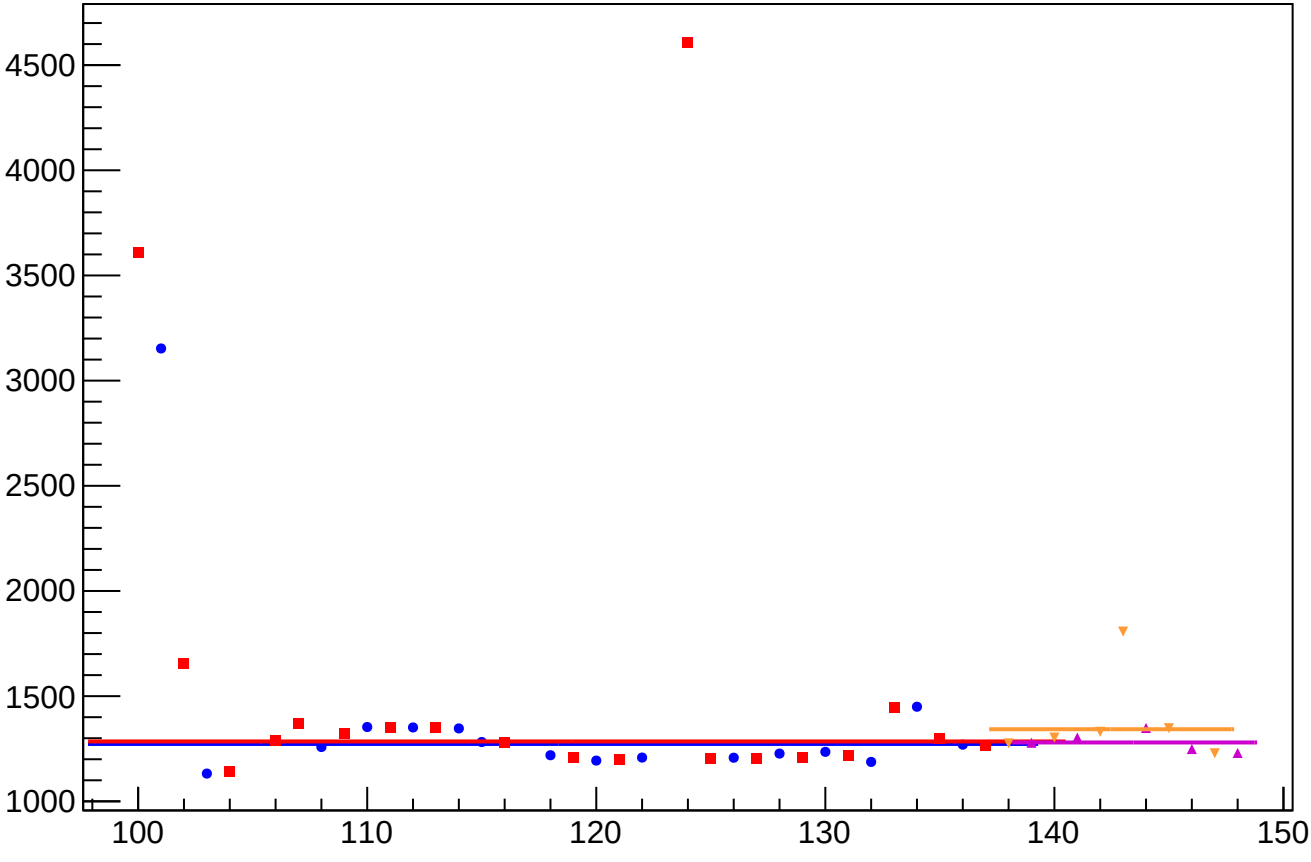
In: 748.026+/-0.169 χ^2/NDF:3362511.0/20

Out: 775.882+/-0.175 χ^2/NDF:3855476.7/24

All: 761.464+/-0.121 χ^2/NDF: 7231140.9/45


cor_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -633.921+/-636.101 χ²/NDF:13.8/5
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -373.407+/-612.184 χ²/NDF:3.7/4
Left: -498.674+/-441.092 χ²/NDF: 17.6/10
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 219.217+/-378.915 χ²/NDF:22.2/20
Out: -515.956+/-383.830 χ²/NDF:30.7/24
All: -143.633+/-269.654 χ²/NDF: 54.8/45

cor_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

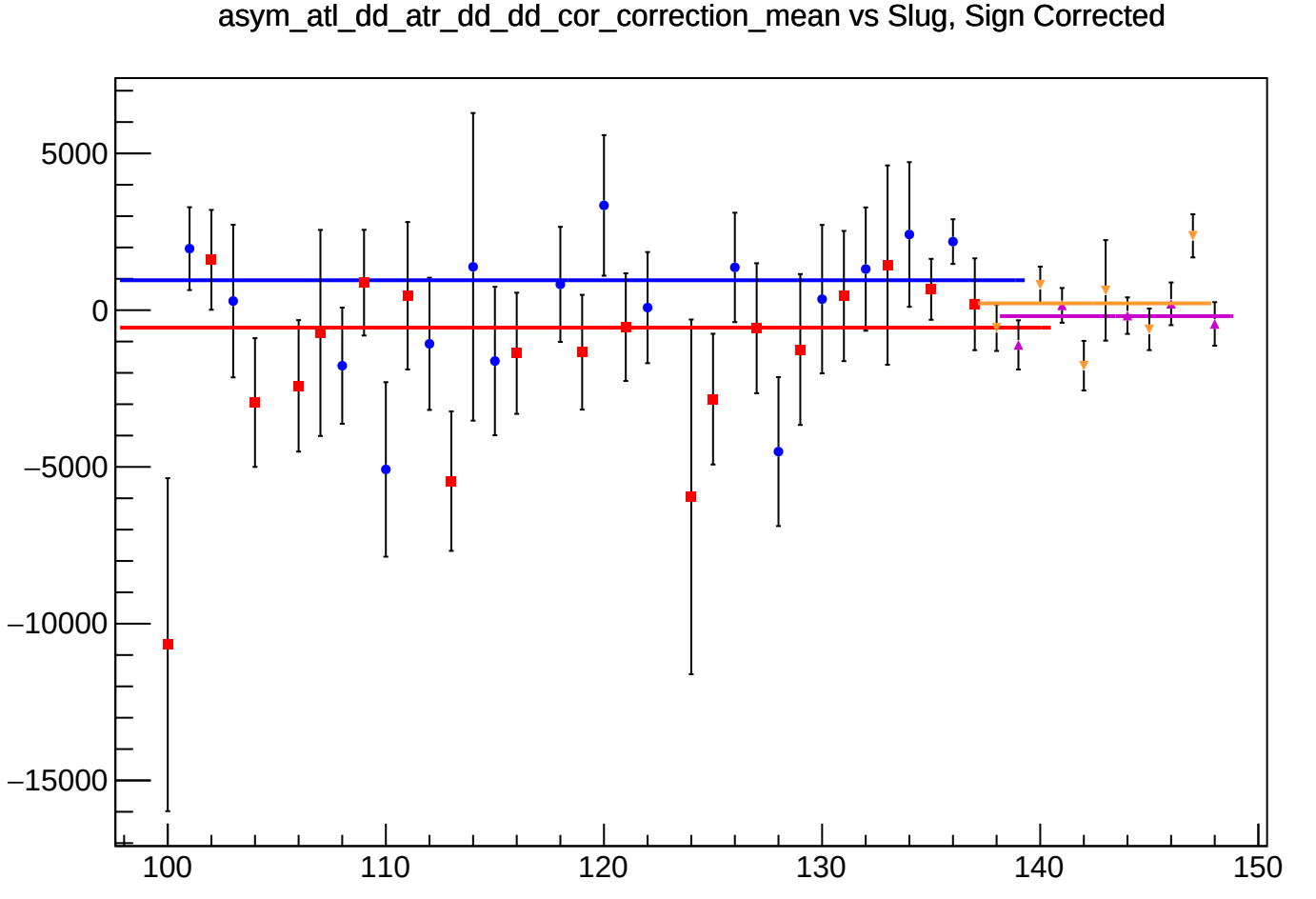
Left: 1310.105+/-0.312 χ^2/NDF: 147421.8/10

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -189.837+/-288.018 χ^2/NDF:2.2/4

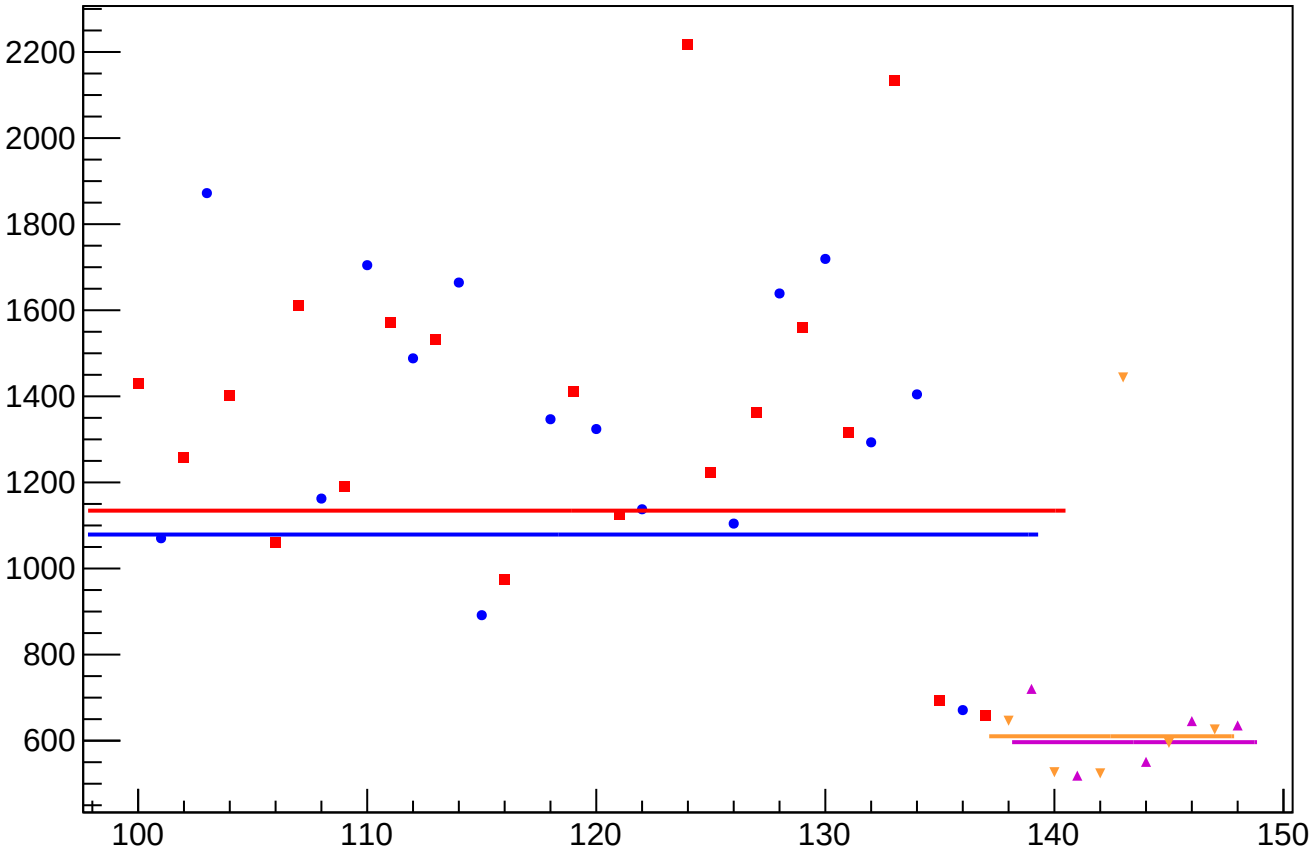
Left: 6.368+/-207.339 χ^2/NDF: 23.1/10

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 74.929+/-171.680 χ^2/NDF: 67.7/45



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

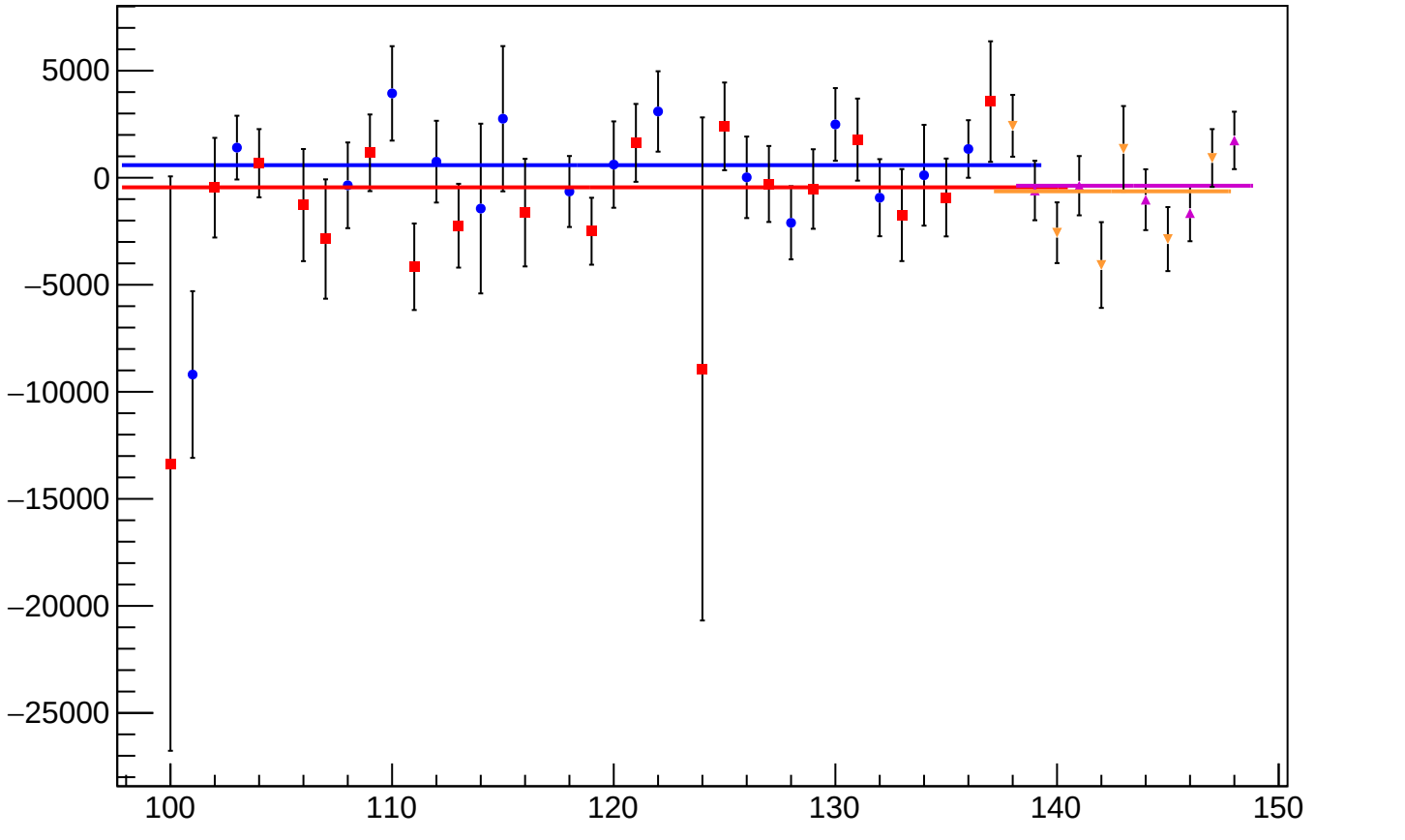
Left: 603.144+/-0.147 χ^2/NDF: 733461.8/10

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -373.407+/-612.184 χ^2/NDF:3.7/4

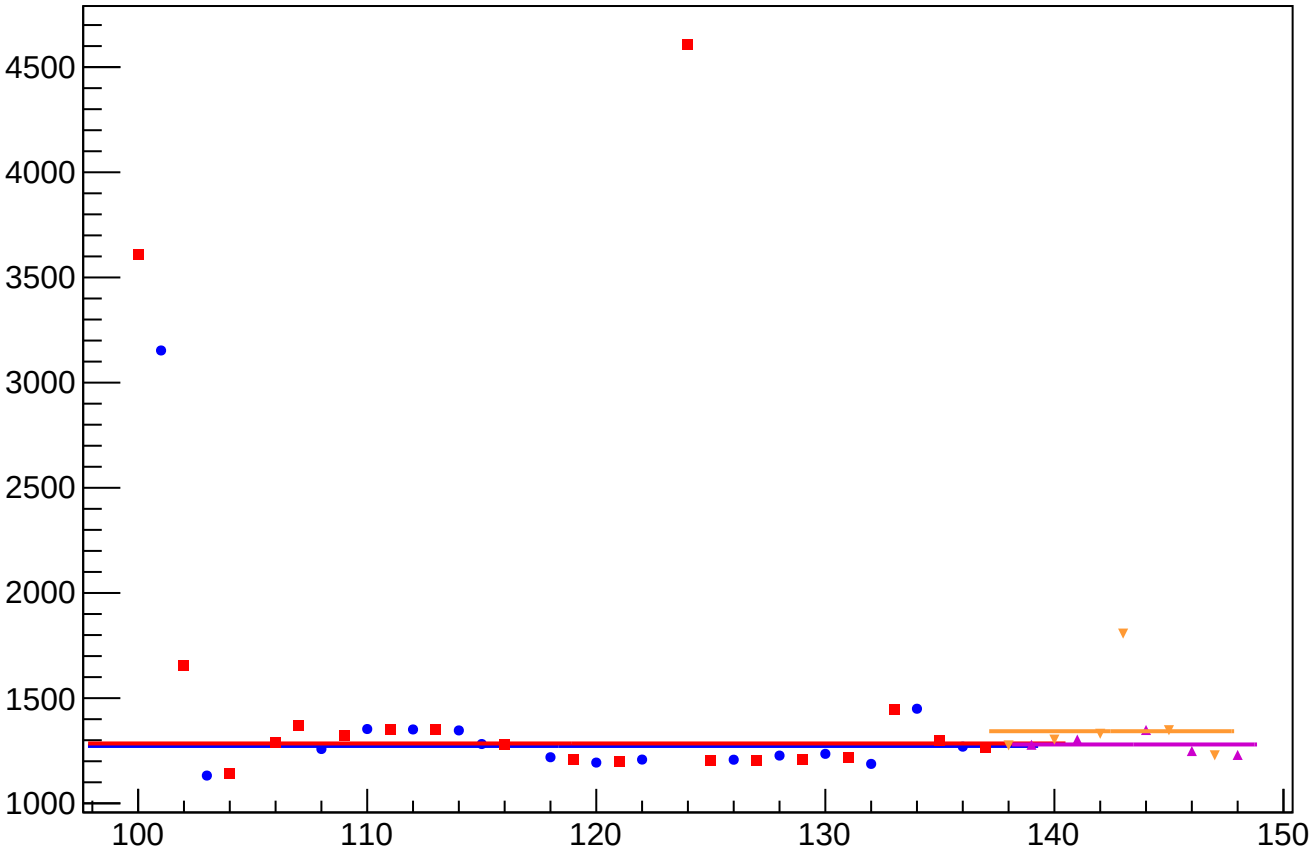
Left: -498.674+/-441.092 χ^2/NDF: 17.6/10

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 219.217+/-378.915 χ^2/NDF:22.2/20

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -143.633+/-269.654 χ^2/NDF: 54.8/45



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

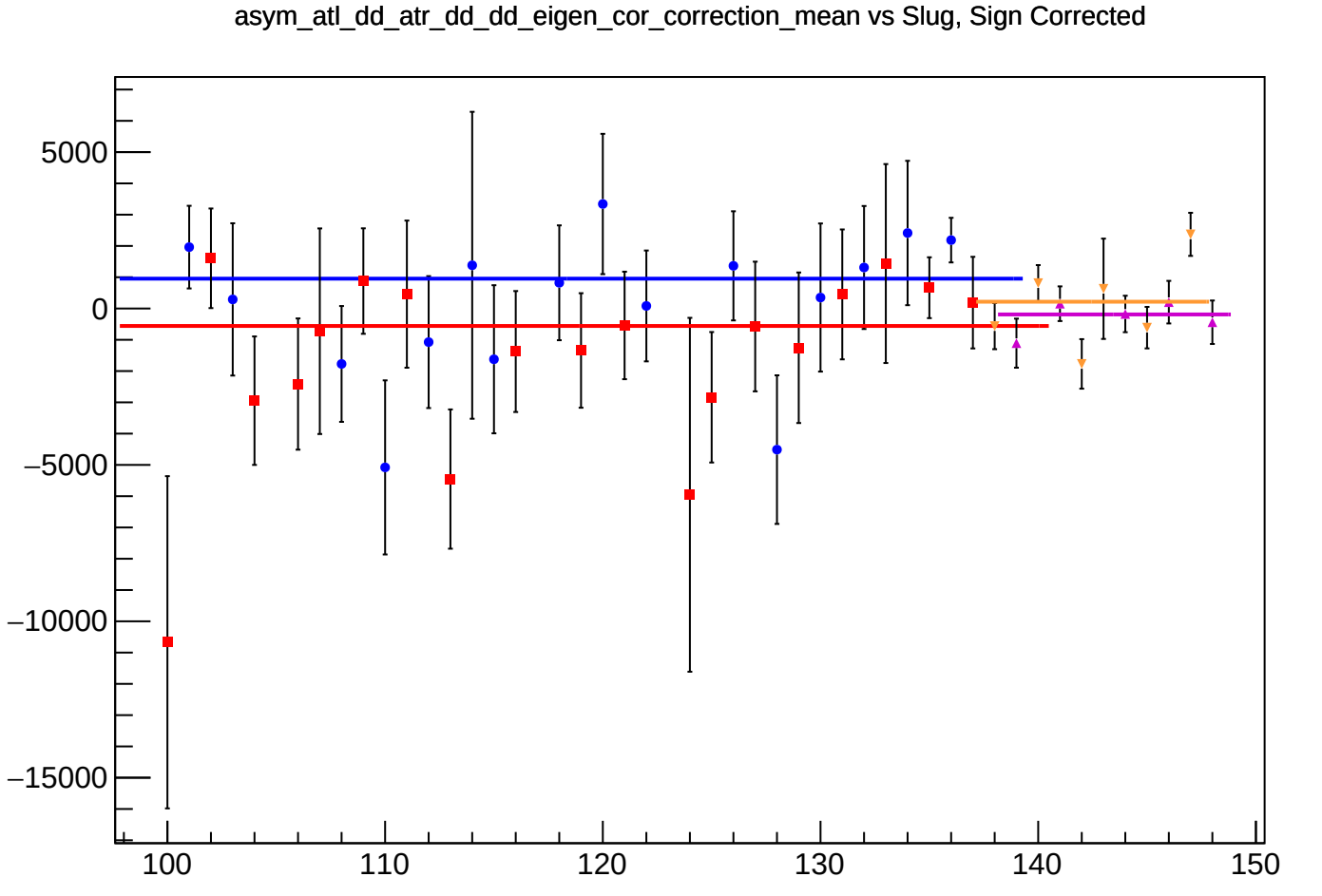
Left: 1310.105+/-0.312 χ^2/NDF: 147421.8/10

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -189.837+/-288.018 χ^2/NDF:2.2/4

Left: 6.368+/-207.339 χ^2/NDF: 23.1/10

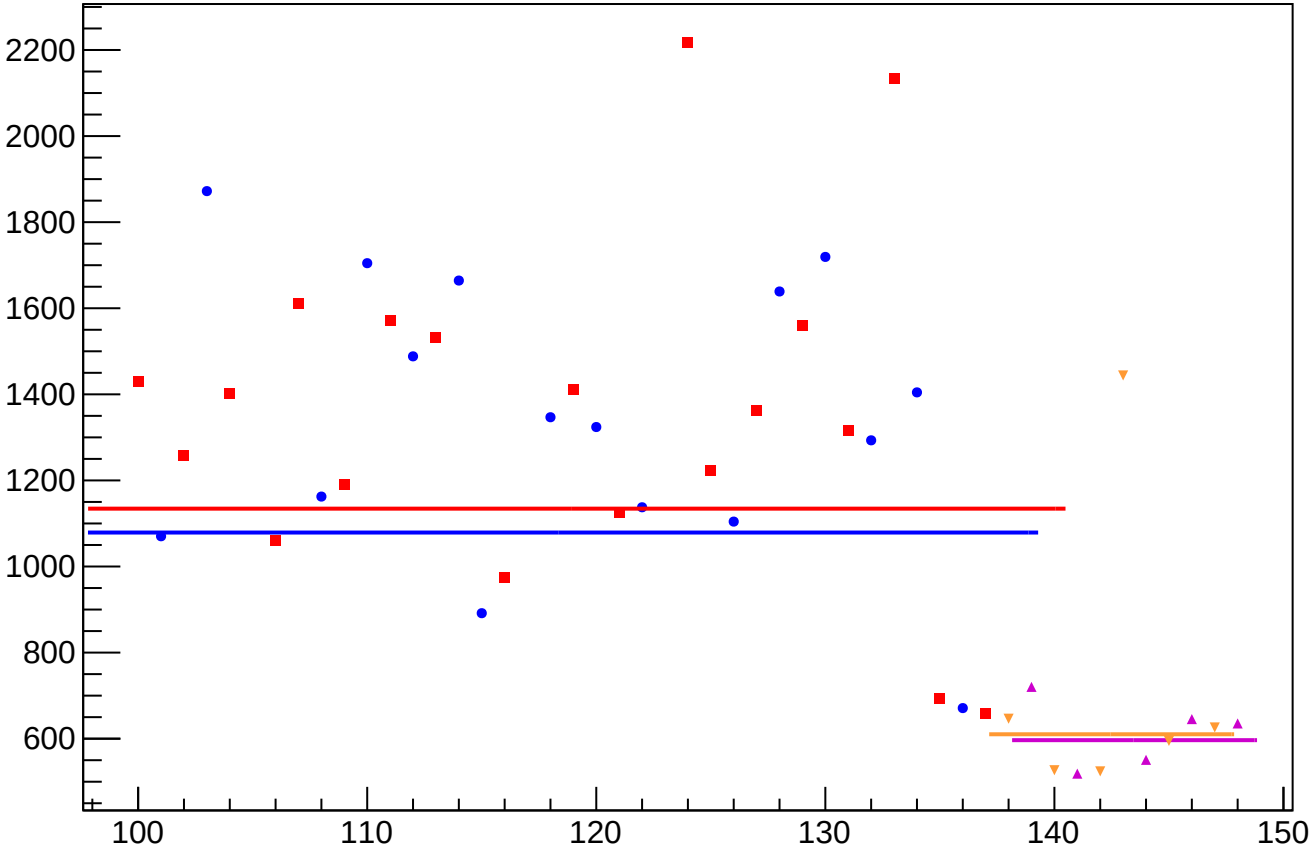
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 74.929+/-171.680 χ^2/NDF: 67.7/45

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: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

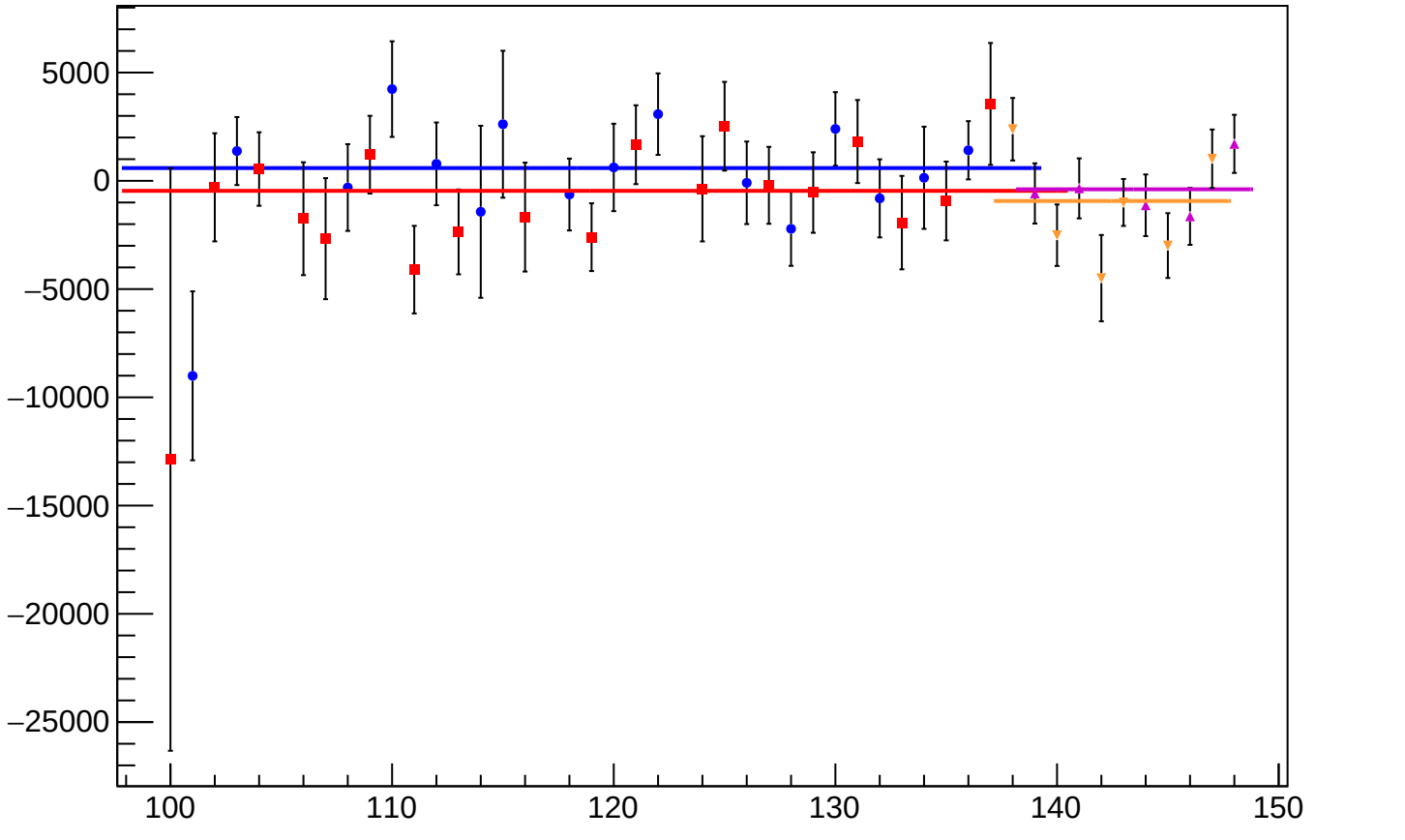
Left: 603.144+/-0.147 χ^2/NDF: 733461.8/10

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.652+/-570.551 χ^2/NDF:13.7/5

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -390.717+/-612.675 χ^2/NDF:3.6/4

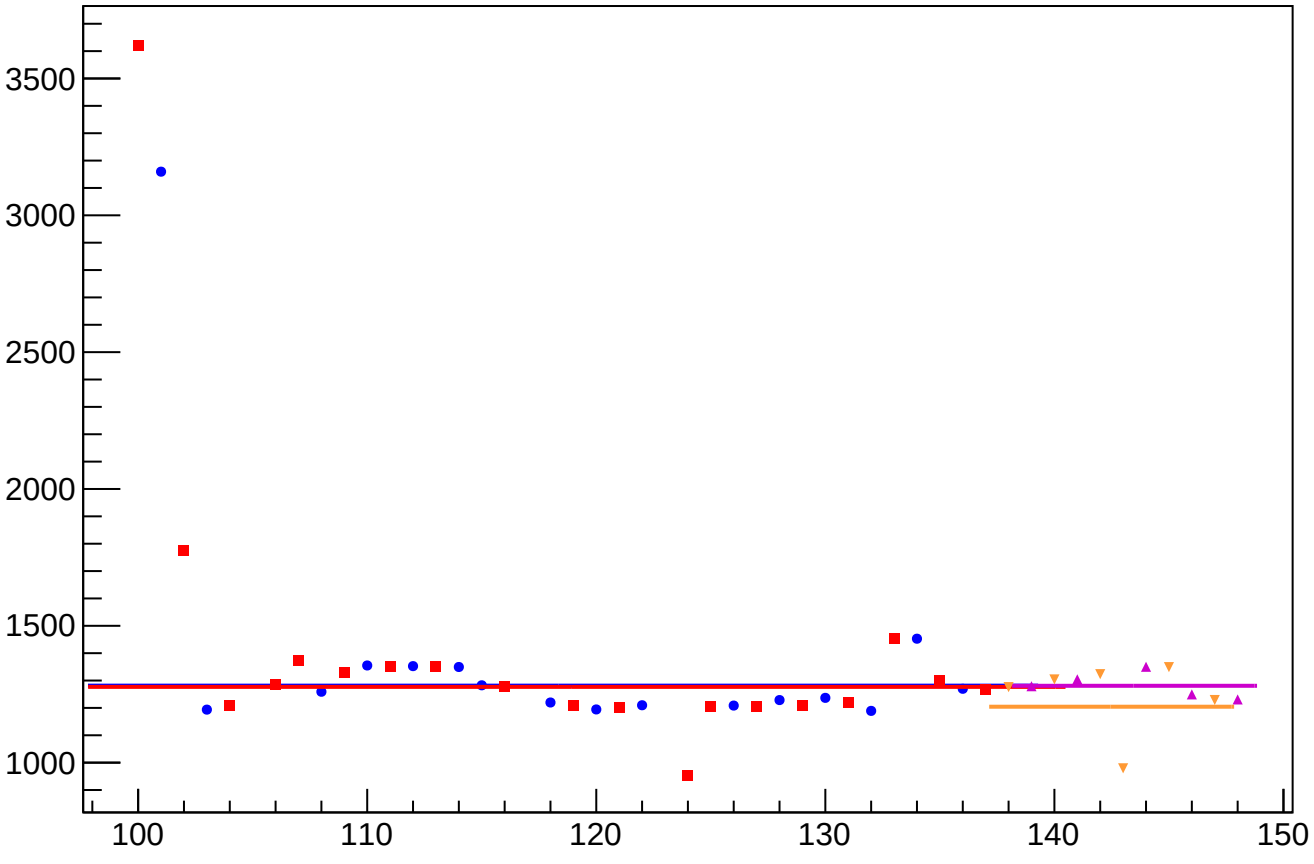
Left: -679.882+/-417.539 χ^2/NDF: 17.7/10

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 211.925+/-380.505 χ^2/NDF:22.3/20

Out: -655.063+/-365.862 χ^2/NDF:30.8/24

All: -238.571+/-263.728 χ^2/NDF: 55.8/45



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.7/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

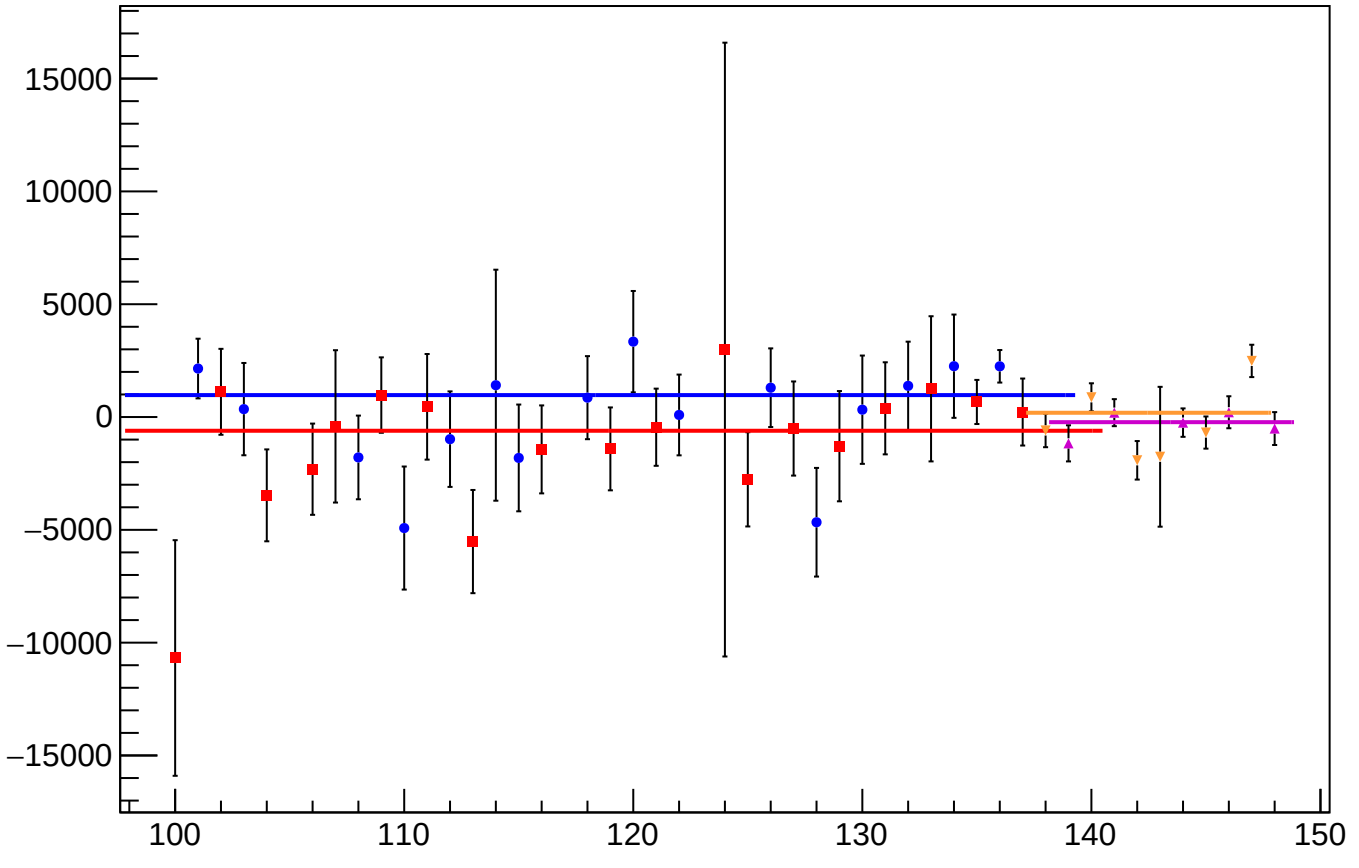
Left: 1239.875+/-0.295 χ^2/NDF: 153402.5/10

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.162+/-0.269 χ^2/NDF:516330.9/20

Out: 1247.047+/-0.259 χ^2/NDF:366992.7/24

All: 1263.436+/-0.186 χ^2/NDF: 891676.9/45



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -227.704+/-305.096 χ^2/NDF:2.4/4

Left: -28.979+/-220.680 χ^2/NDF: 23.9/10

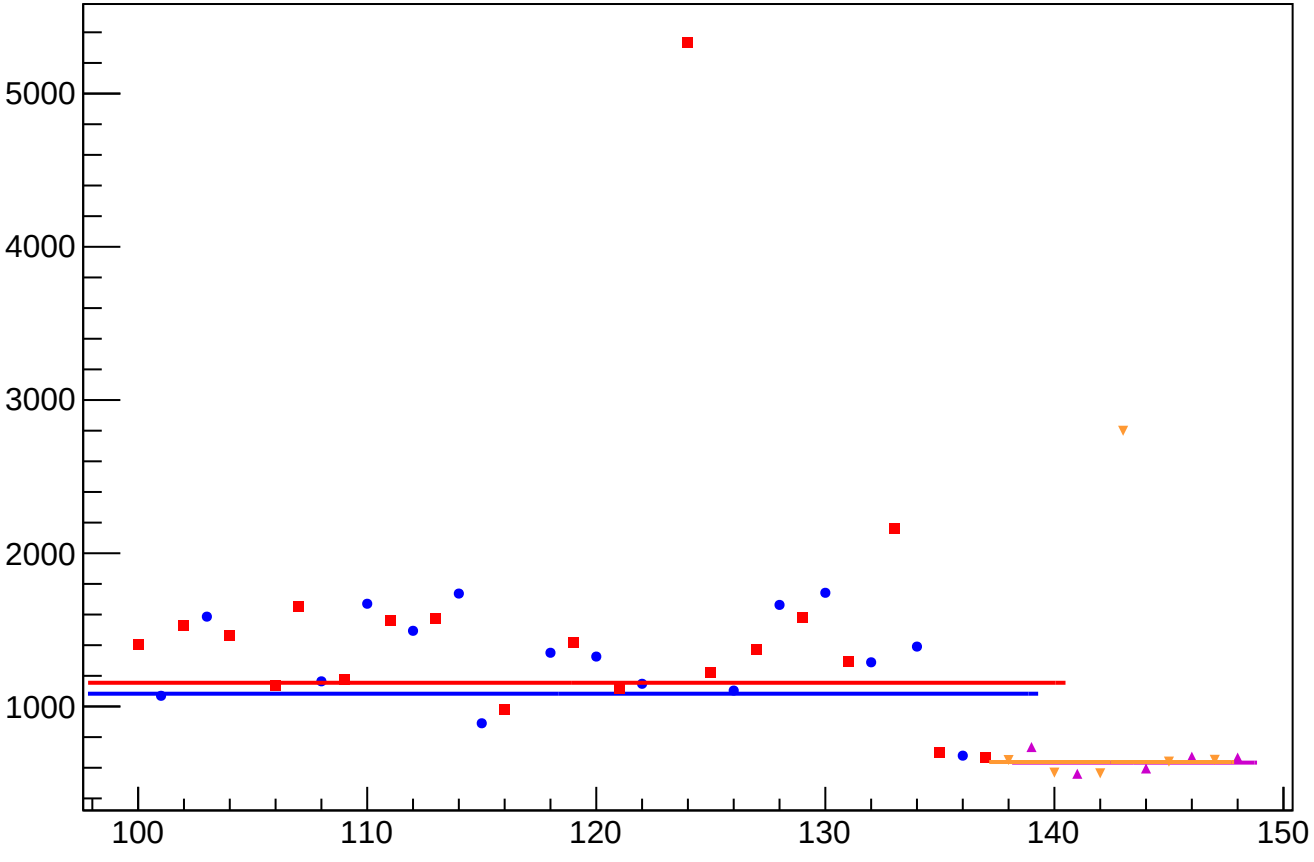
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 180.115+/-247.889 χ^2/NDF:28.1/20

Out: -80.106+/-260.120 χ^2/NDF:39.8/24

All: 56.266+/-179.452 χ^2/NDF: 68.5/45

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: 637.582+/-0.226 χ^2/NDF:1014436.8/5

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

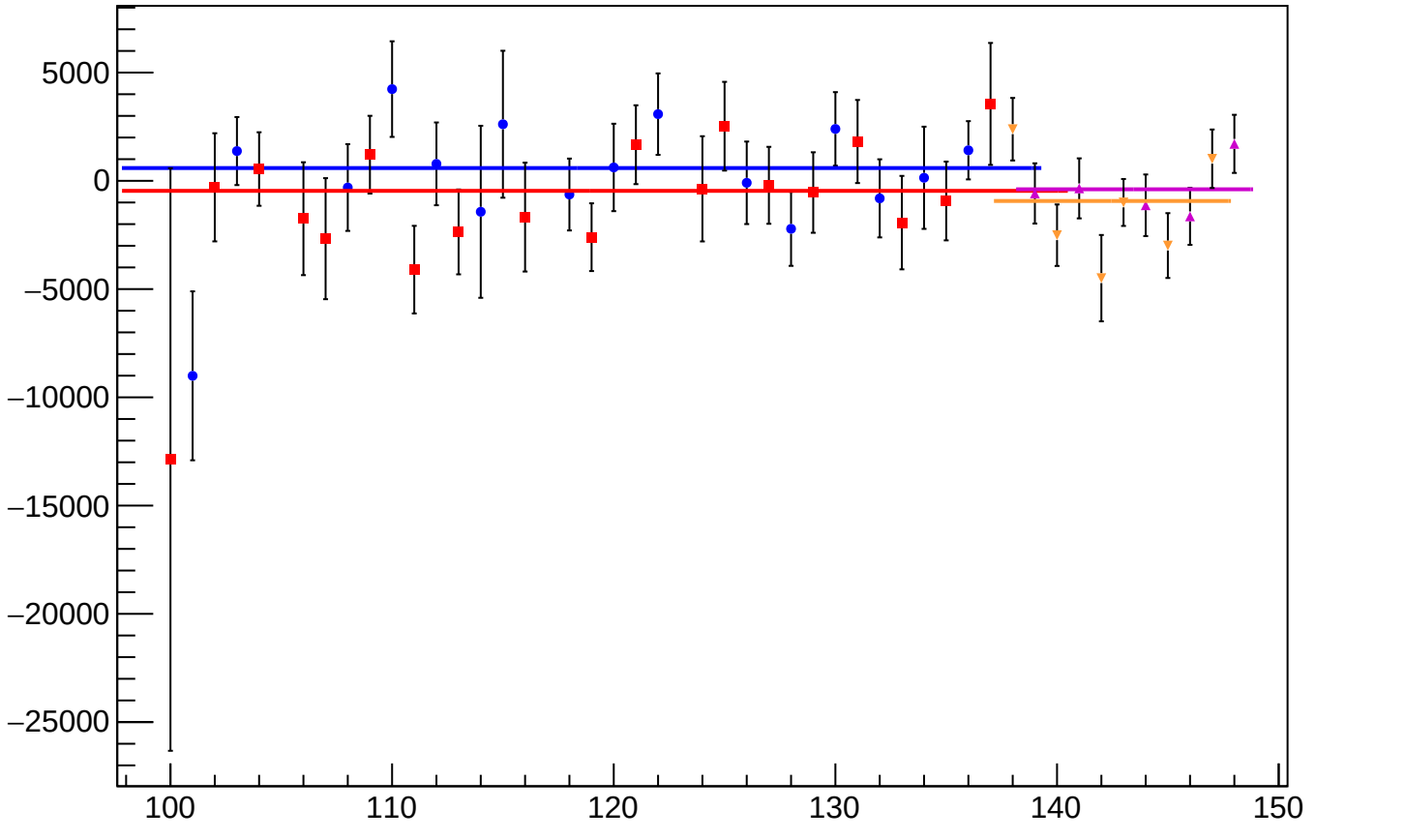
Left: 635.477+/-0.156 χ^2/NDF: 1093595.9/10

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 786.416+/-0.175 χ^2/NDF:2916341.6/20

Out: 812.130+/-0.184 χ^2/NDF:4270324.4/24

All: 798.655+/-0.127 χ^2/NDF: 7196908.6/45



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.653+/-570.551 χ^2/NDF:13.7/5

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -390.721+/-612.675 χ^2/NDF:3.6/4

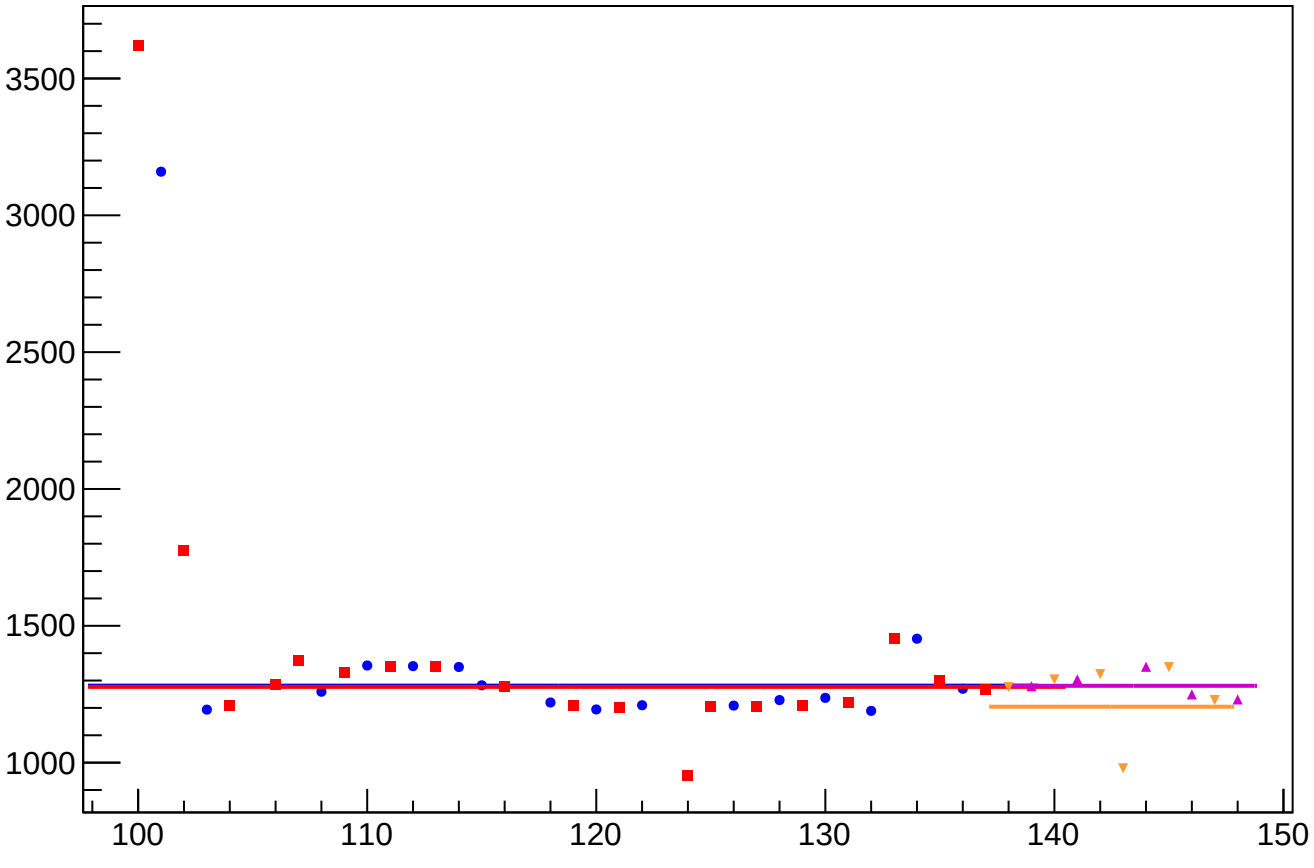
Left: -679.885+/-417.539 χ^2/NDF: 17.7/10

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 211.925+/-380.505 χ^2/NDF:22.3/20

Out: -655.063+/-365.863 χ^2/NDF:30.8/24

All: -238.572+/-263.728 χ^2/NDF: 55.8/45



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.1/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

Left: 1239.875+/-0.295 χ^2/NDF: 153401.7/10

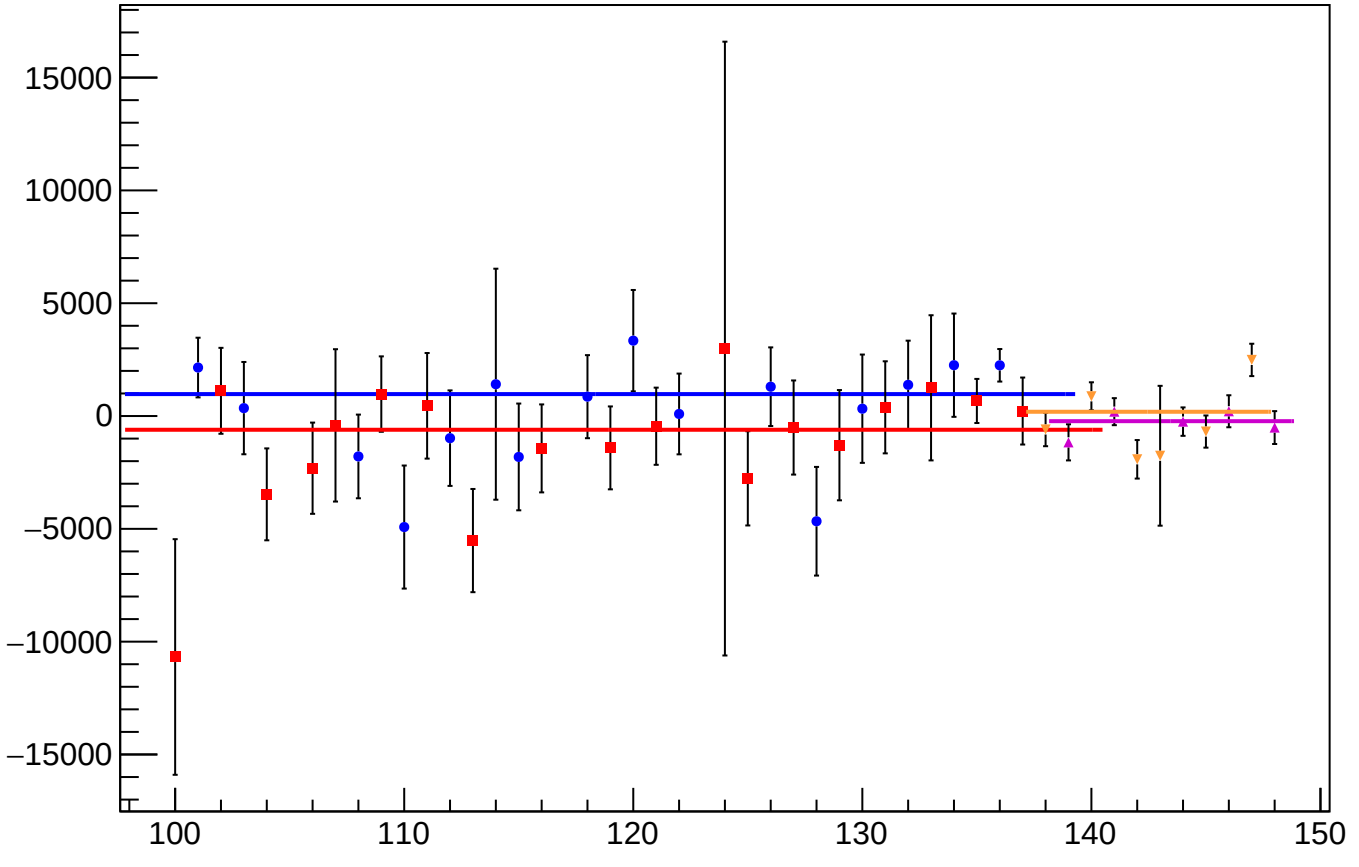
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.162+/-0.269 χ^2/NDF:516331.1/20

Out: 1247.048+/-0.259 χ^2/NDF:366991.7/24

All: 1263.436+/-0.186 χ^2/NDF: 891676.1/45

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -227.703+/-305.096 χ^2/NDF:2.4/4

Left: -28.978+/-220.681 χ^2/NDF: 23.9/10

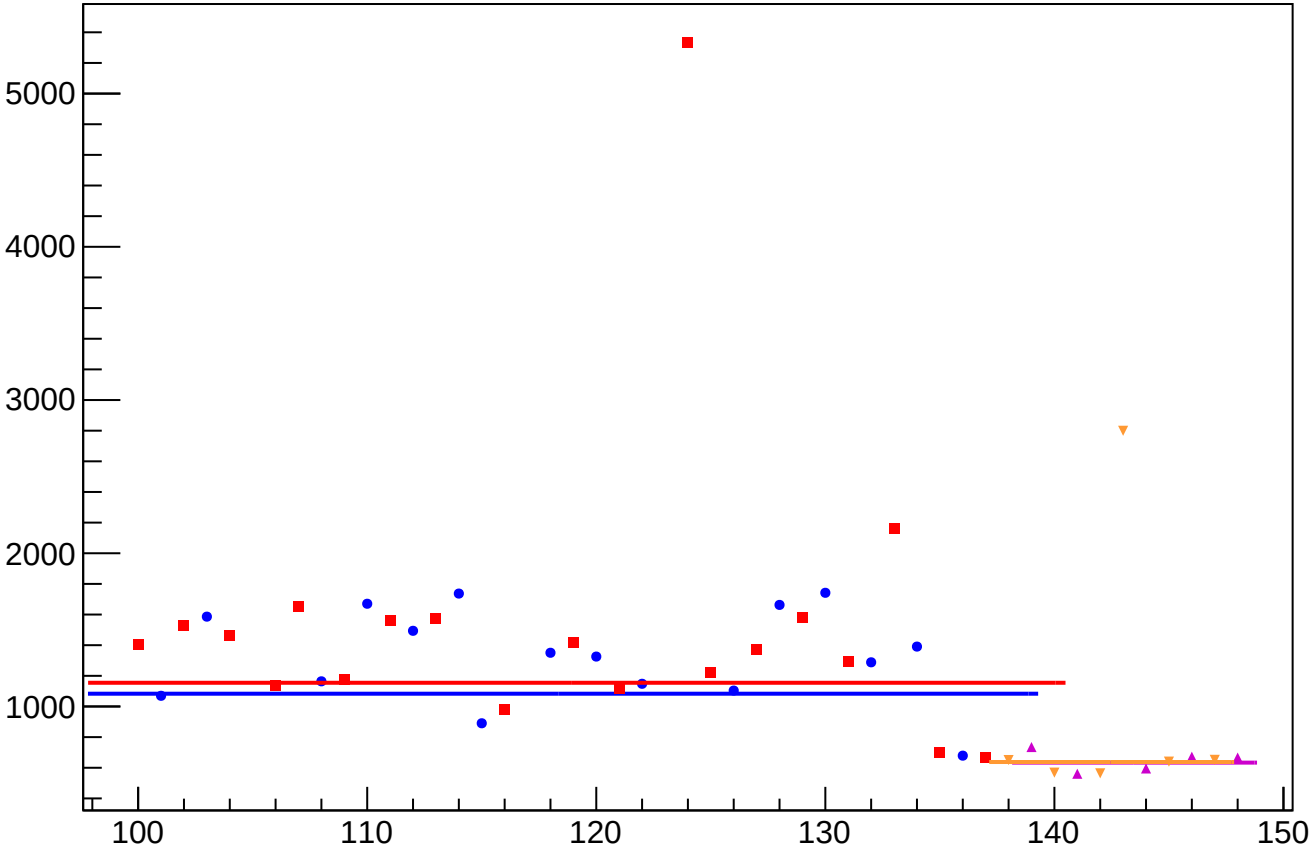
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 180.112+/-247.889 χ^2/NDF:28.1/20

Out: -80.107+/-260.121 χ^2/NDF:39.8/24

All: 56.264+/-179.452 χ^2/NDF: 68.5/45

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: 637.584+/-0.226 χ^2/NDF:1014434.7/5

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

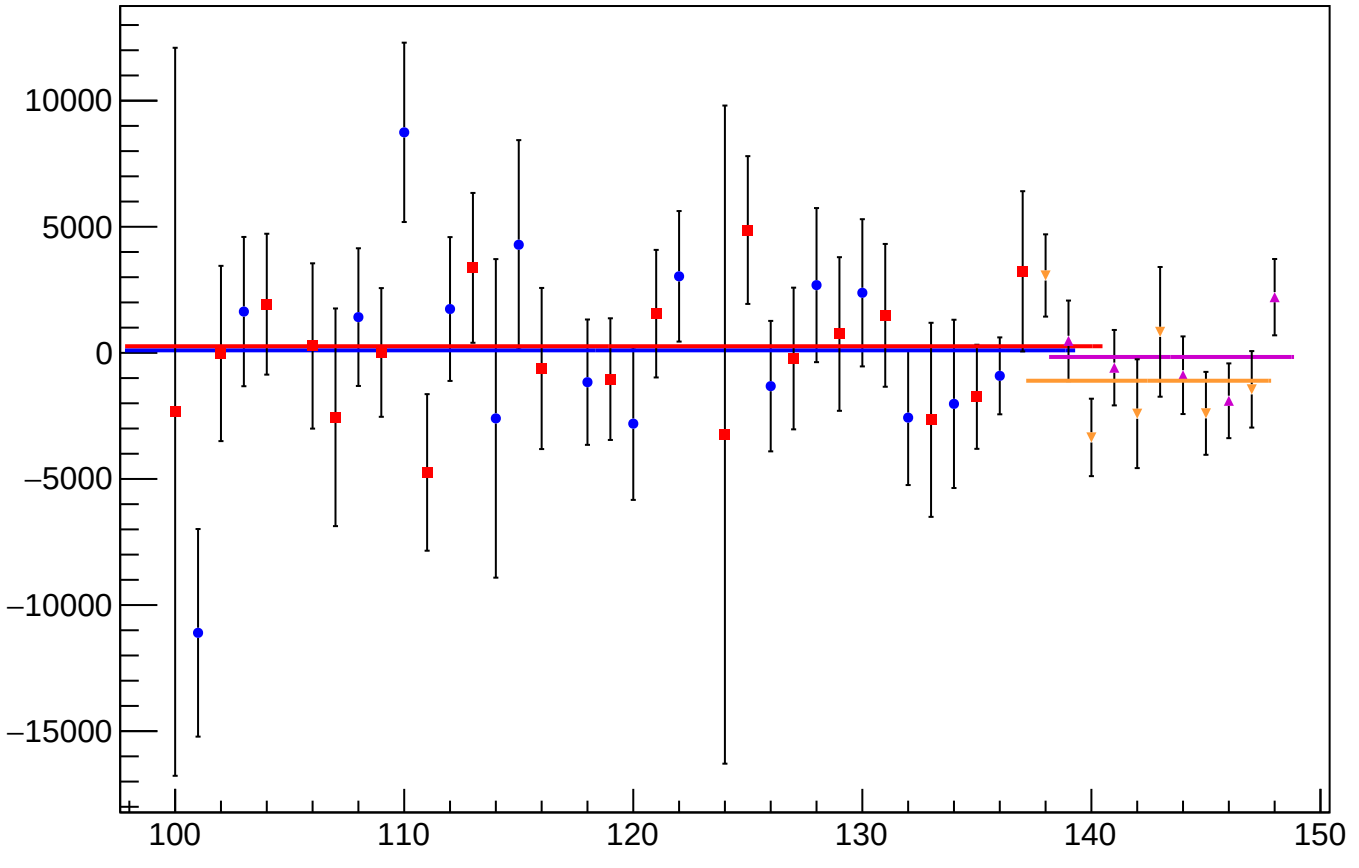
Left: 635.478+/-0.156 χ^2/NDF: 1093596.6/10

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 786.417+/-0.175 χ^2/NDF:2916323.5/20

Out: 812.135+/-0.184 χ^2/NDF:4270285.8/24

All: 798.657+/-0.127 χ^2/NDF: 7196854.3/45



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1105.110+/-712.342 χ^2/NDF:10.3/5

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -162.584+/-681.529 χ^2/NDF:4.3/4

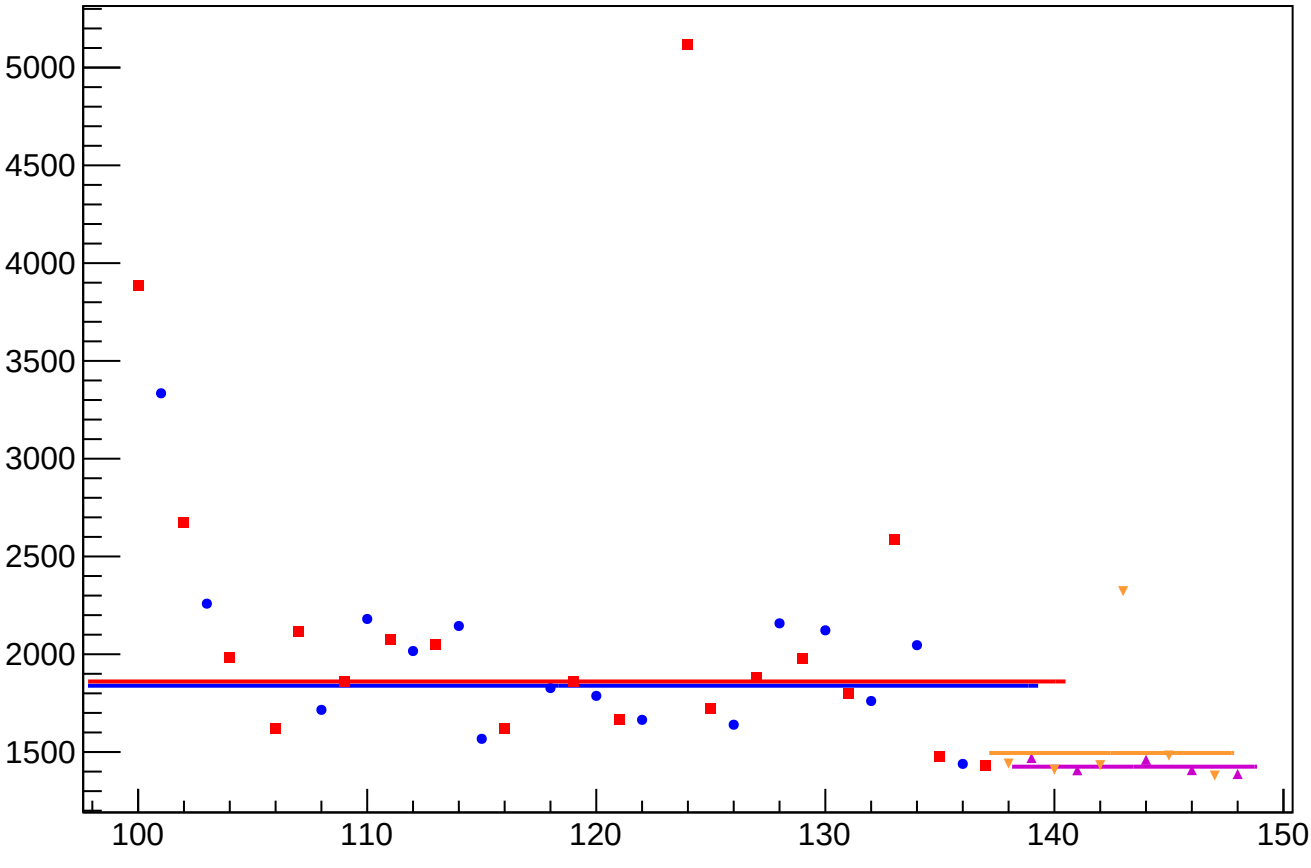
Left: -613.022+/-492.447 χ^2/NDF: 15.5/10

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -34.391+/-487.968 χ^2/NDF:25.7/20

Out: -408.968+/-499.181 χ^2/NDF:22.5/24

All: -217.426+/-348.942 χ^2/NDF: 48.4/45



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1495.063+/-0.504 χ^2/NDF:228726.4/5

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

Left: 1458.502+/-0.348 χ^2/NDF: 243210.8/10

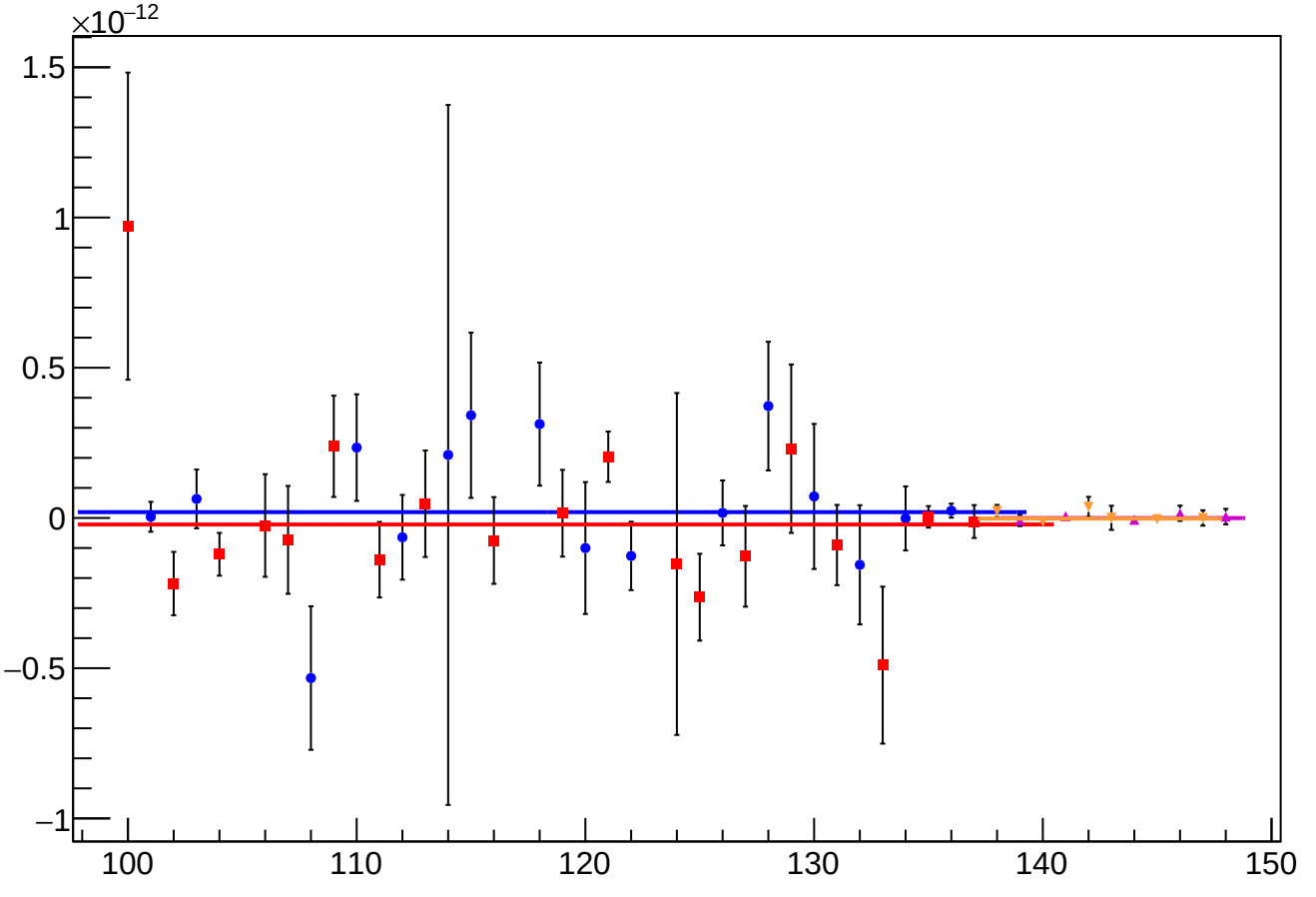
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1626.841+/-0.345 χ^2/NDF:920929.1/20

Out: 1681.178+/-0.353 χ^2/NDF:1019095.9/24

All: 1653.392+/-0.247 χ^2/NDF: 1952143.2/45

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

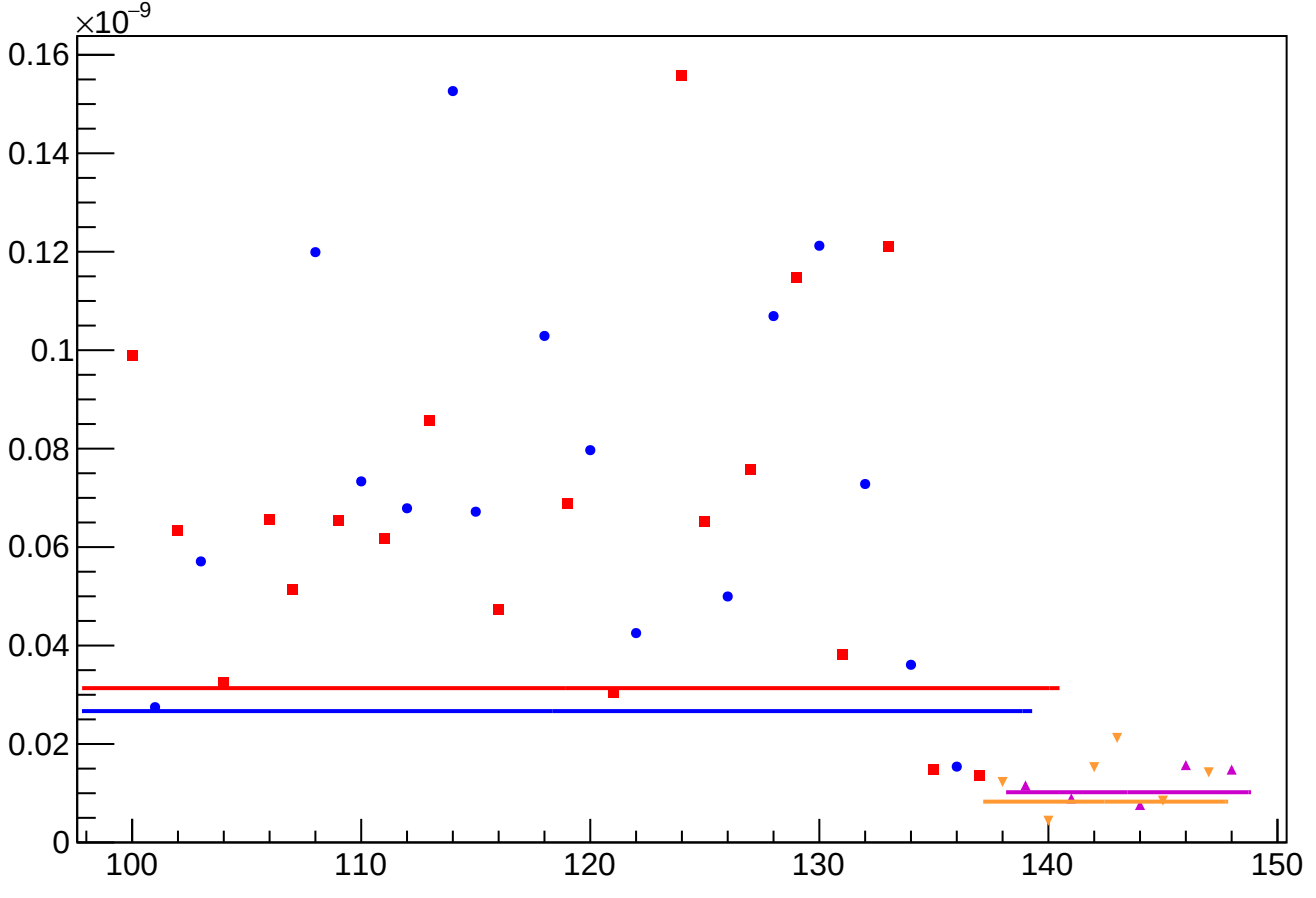
Left: -0.000+/-0.000 χ^2/NDF: 4.9/10

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.3/20

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 51.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:255840.1/4

Left: 0.000+/-0.000 χ^2/NDF: 1064017.8/10

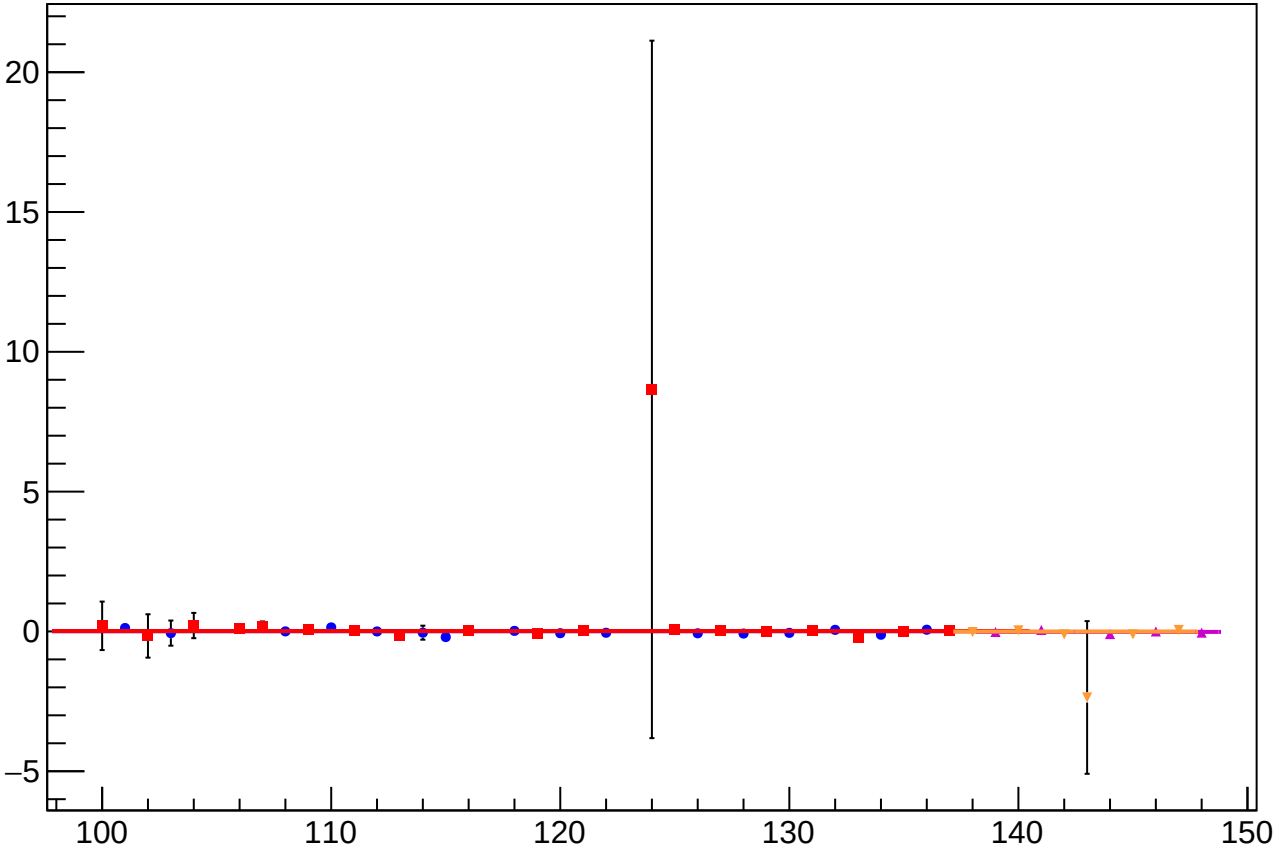
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4132618.0/20

Out: 0.000+/-0.000 χ^2/NDF:4951906.8/24

All: 0.000+/-0.000 χ^2/NDF: 9180753.0/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

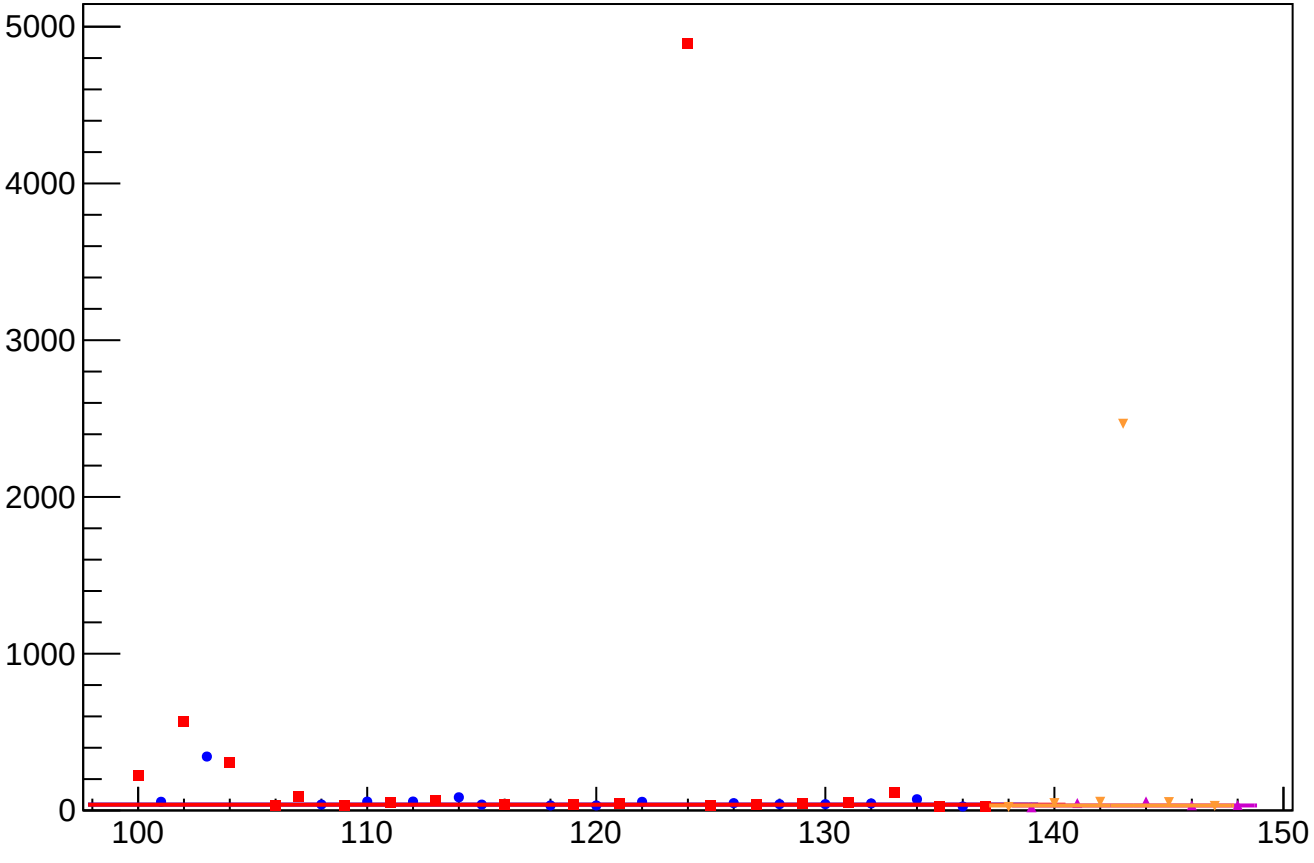
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

Left: 31.803+/-0.009 χ^2/NDF: 3279132.4/10

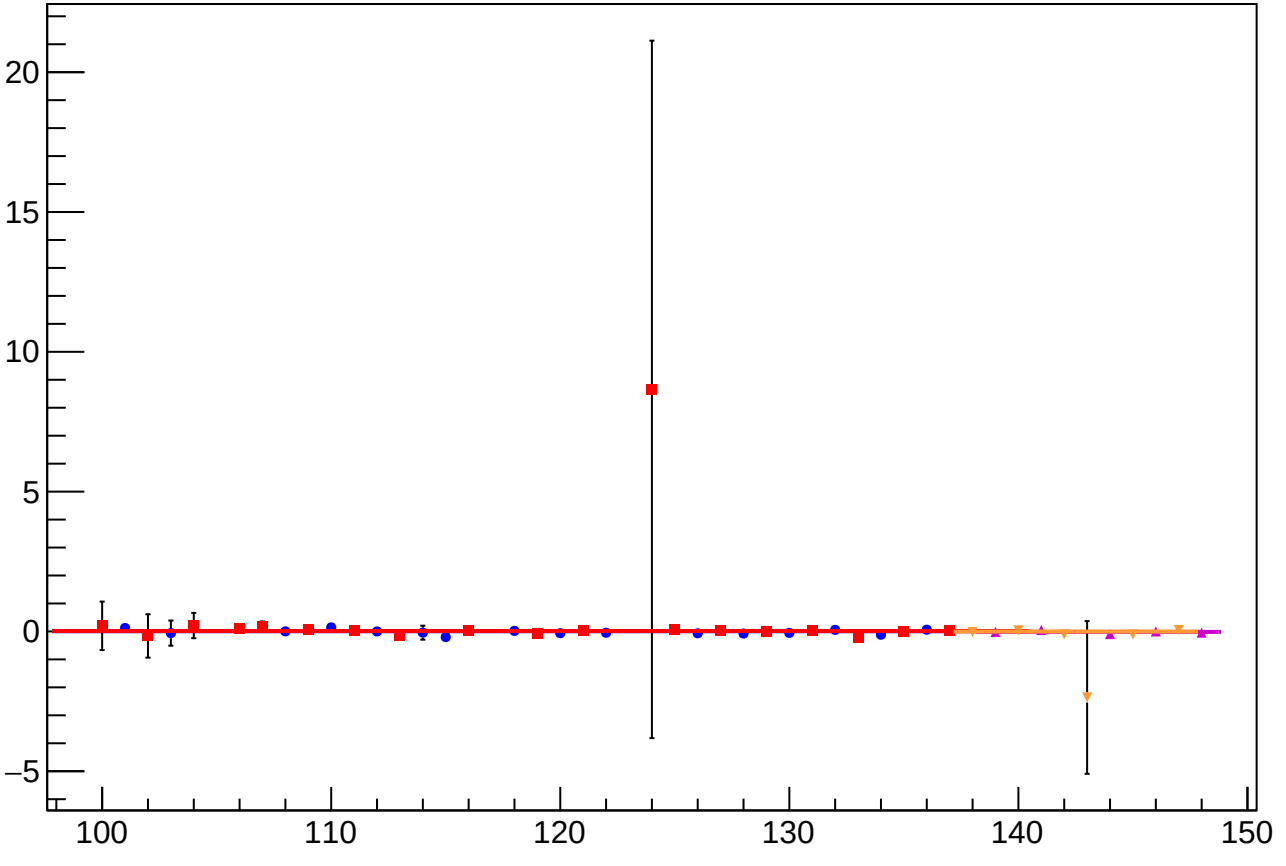
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

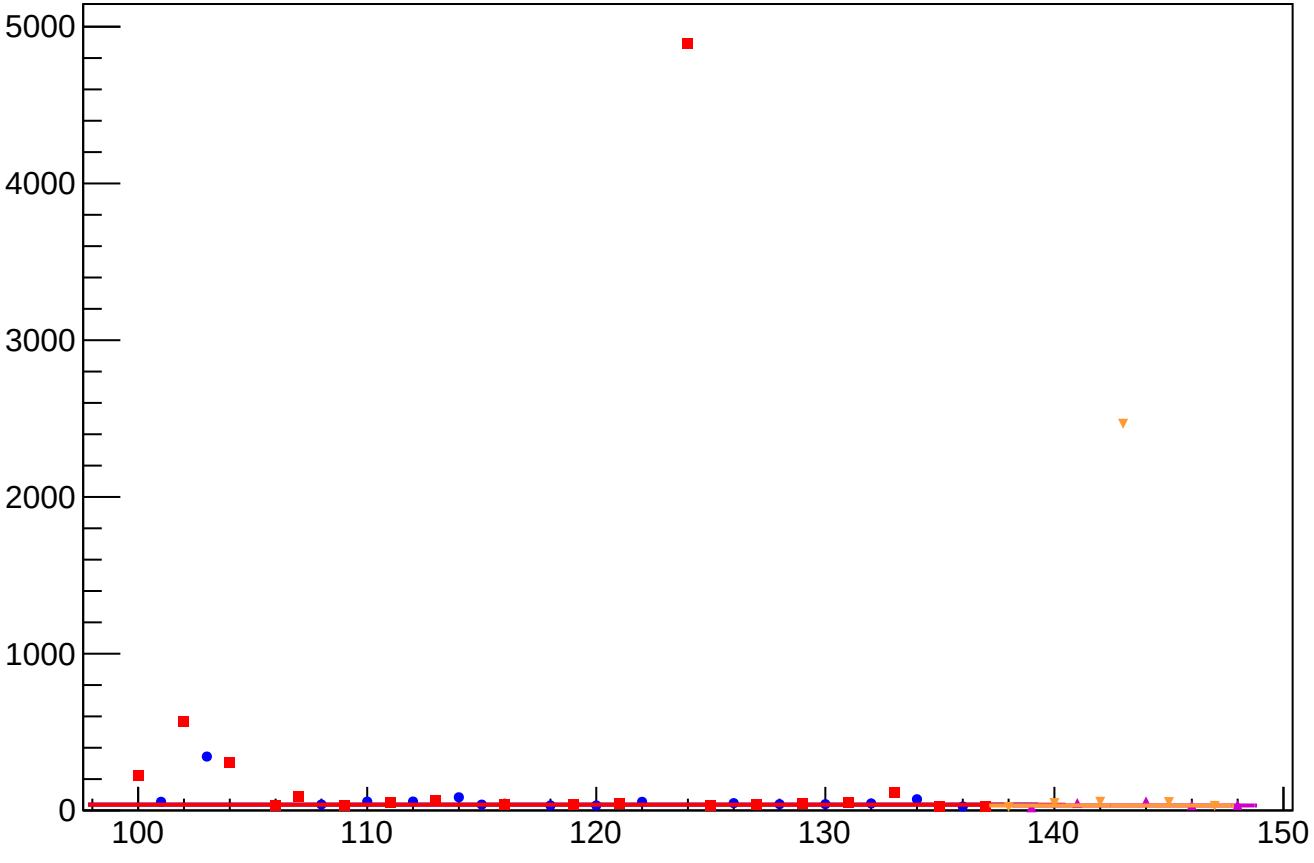
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

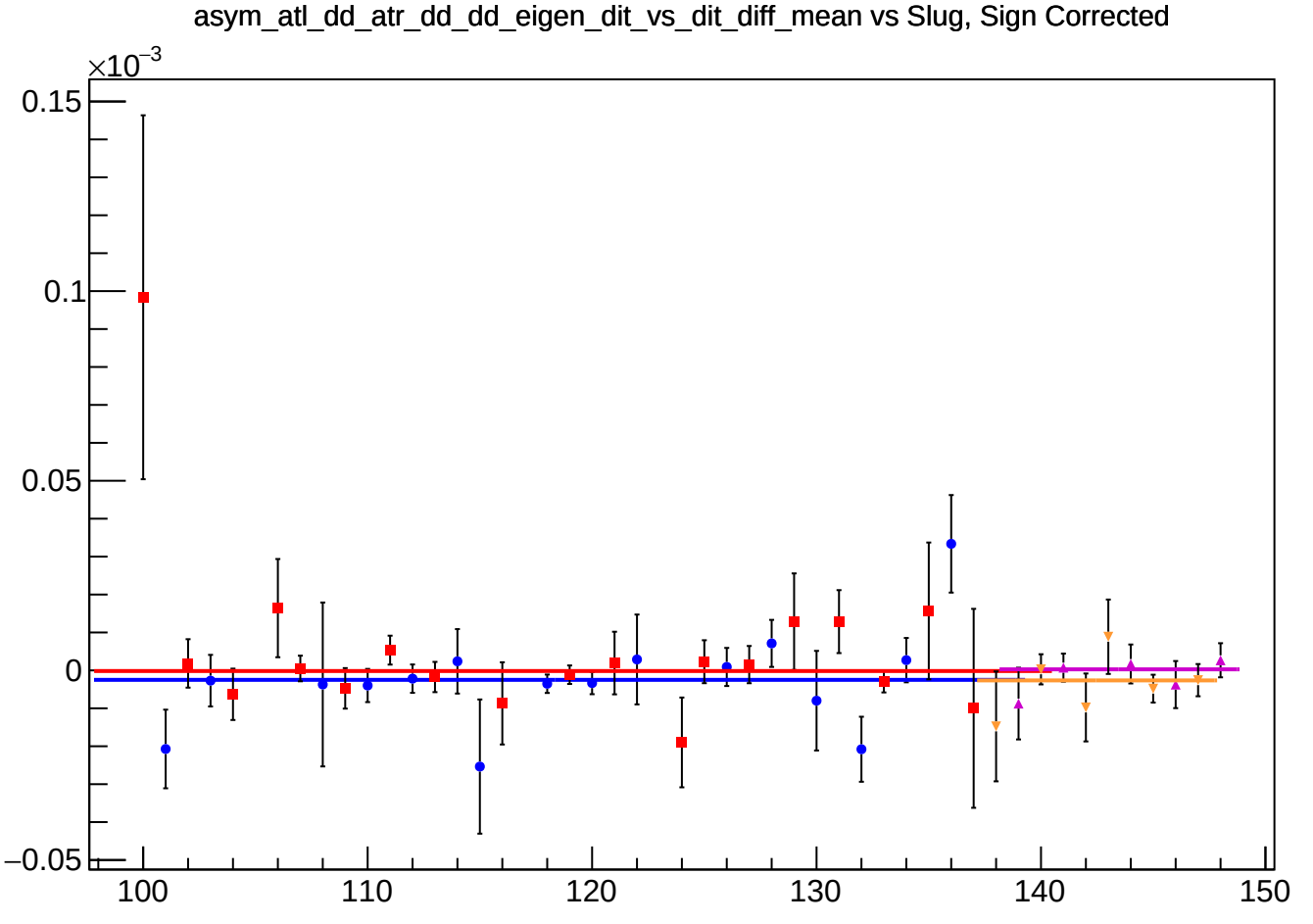
Left: 31.803+/-0.009 χ^2/NDF: 3279132.4/10

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

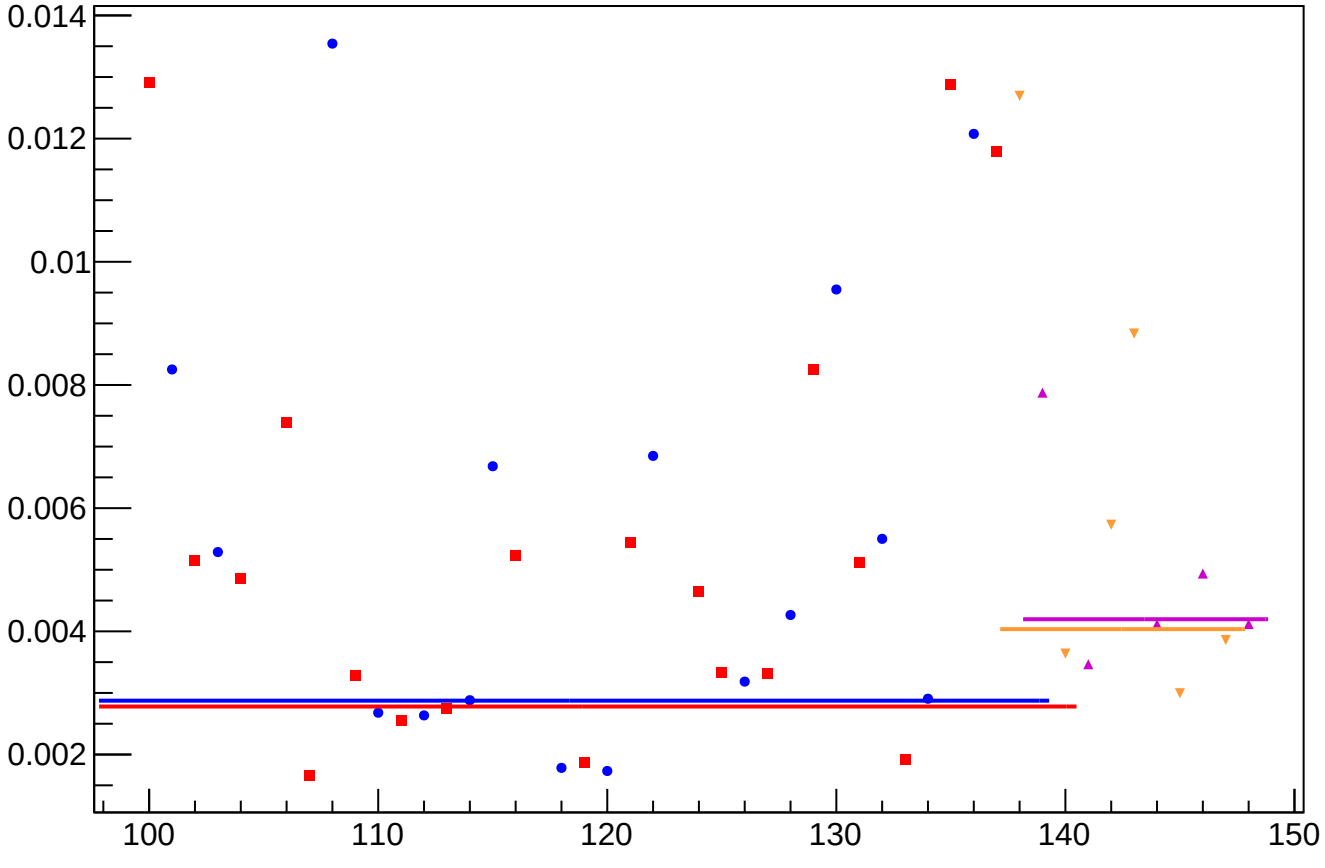
Left: -0.000+/-0.000 χ^2/NDF: 6.2/10

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:23.5/24

All: -0.000+/-0.000 χ^2/NDF: 48.7/45



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1449080.1/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:410575.2/4

Left: 0.004+/-0.000 χ^2/NDF: 1865032.8/10

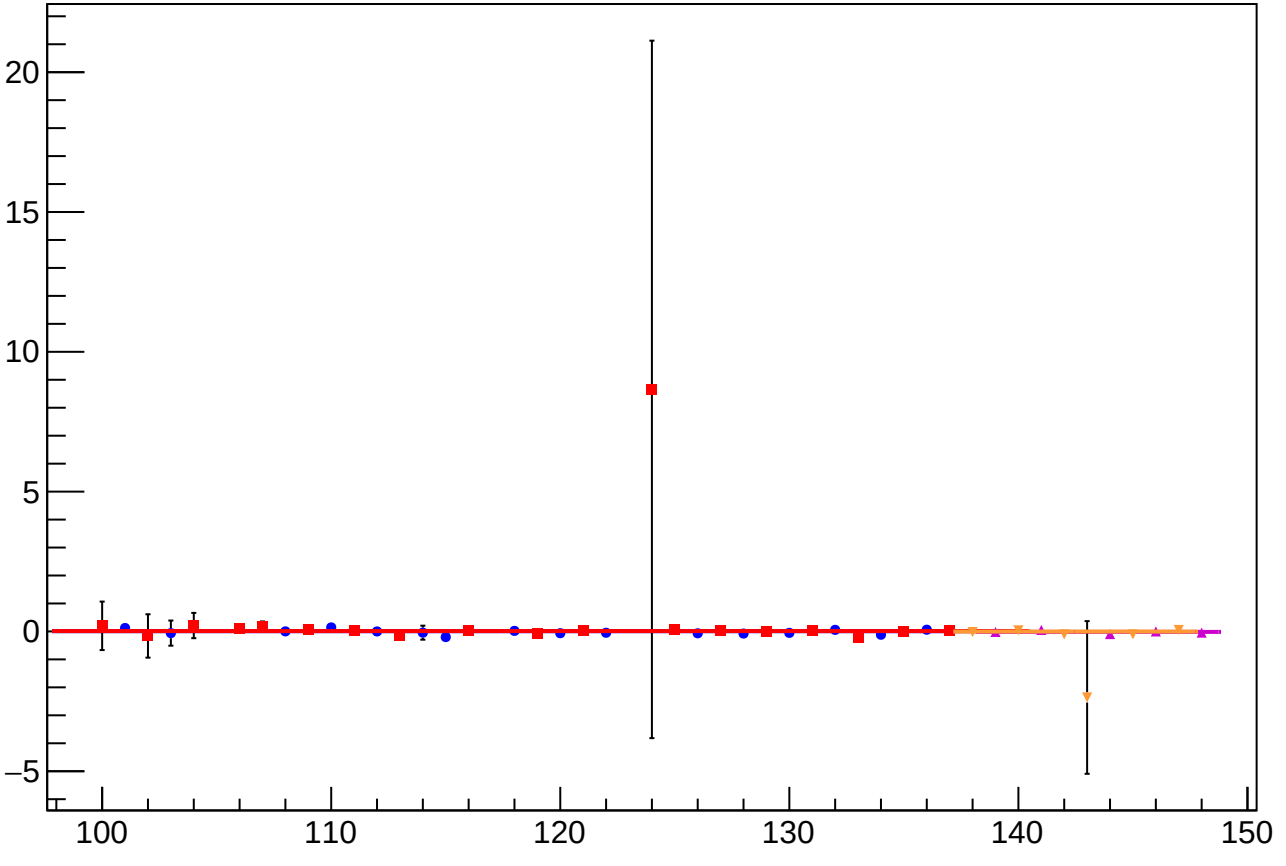
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5079592.5/20

Out: 0.003+/-0.000 χ^2/NDF:5294515.6/24

All: 0.003+/-0.000 χ^2/NDF: 10389825.1/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

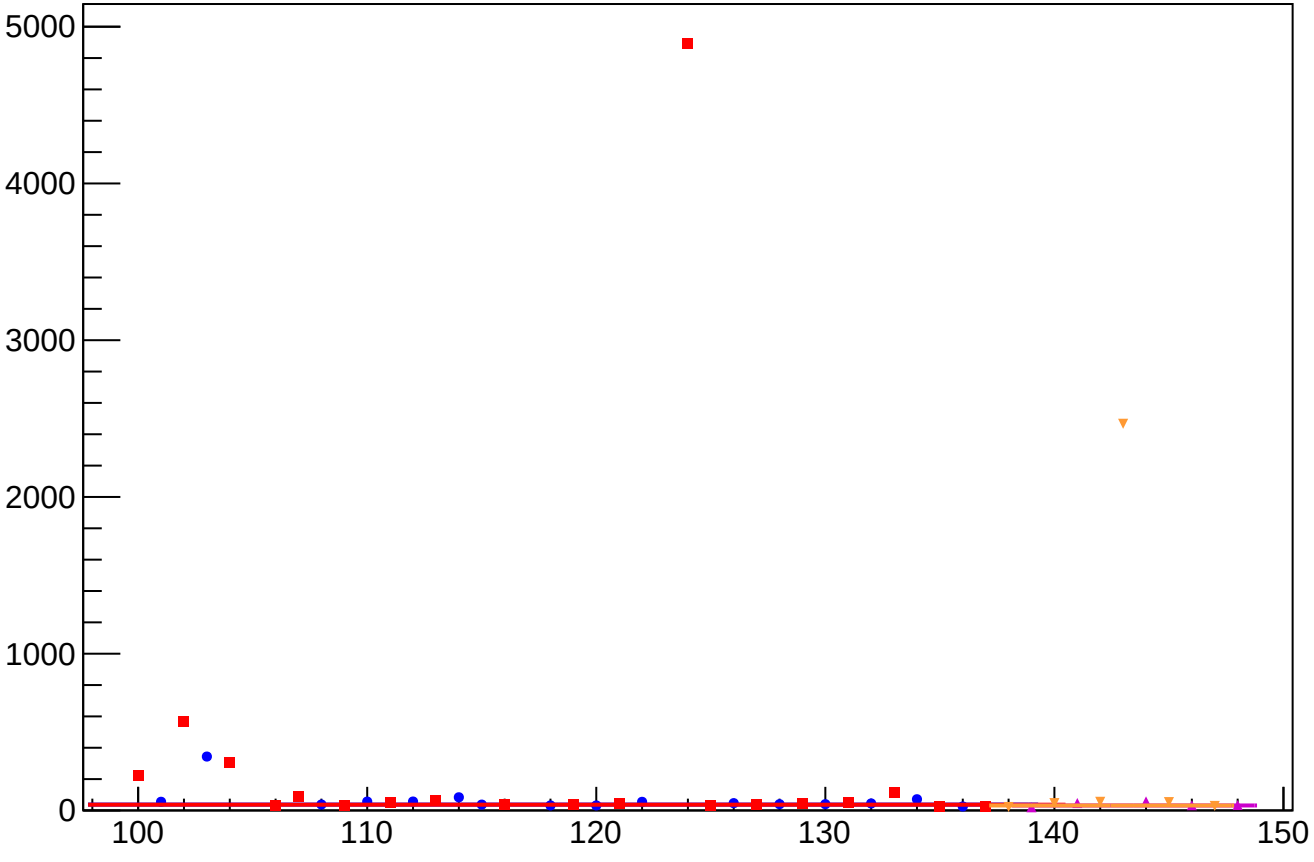
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

Left: 31.804+/-0.009 χ^2/NDF: 3278723.4/10

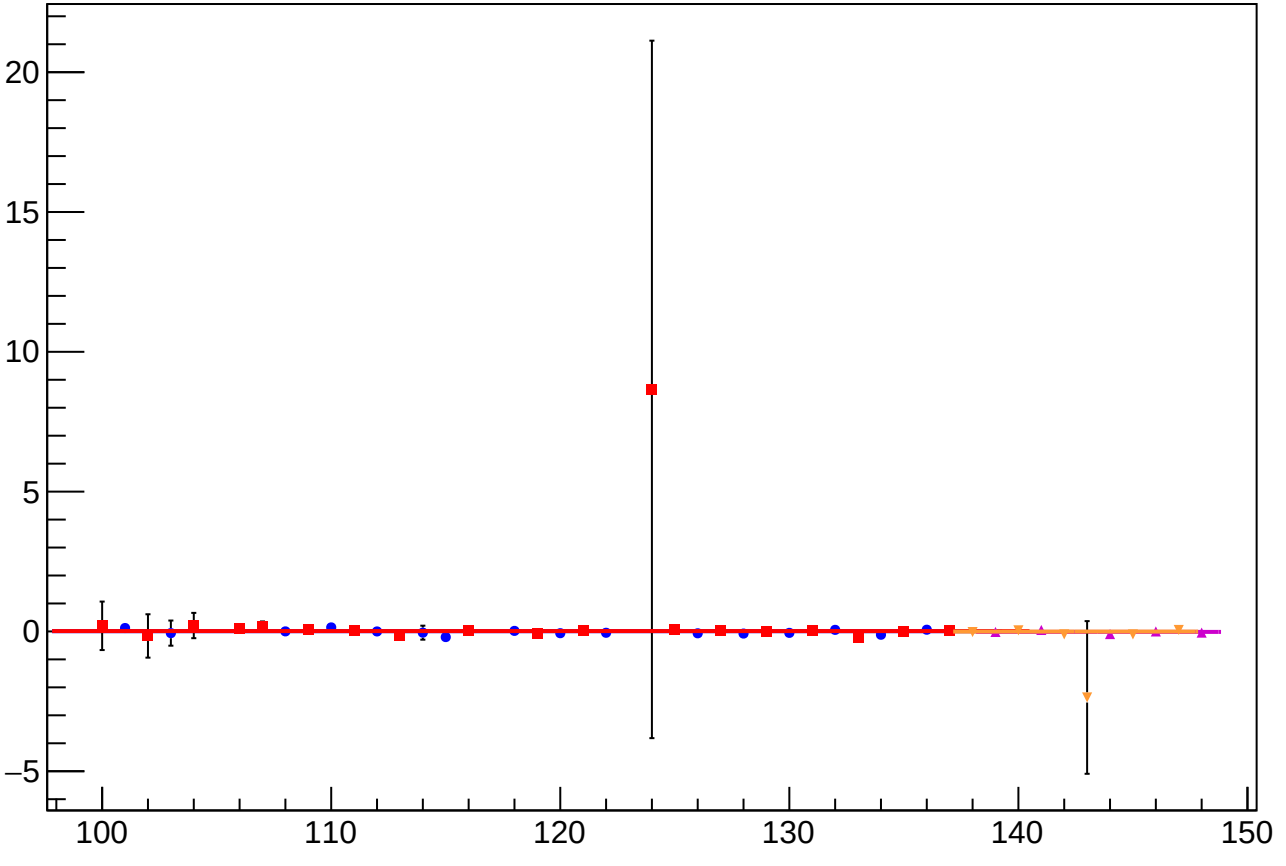
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

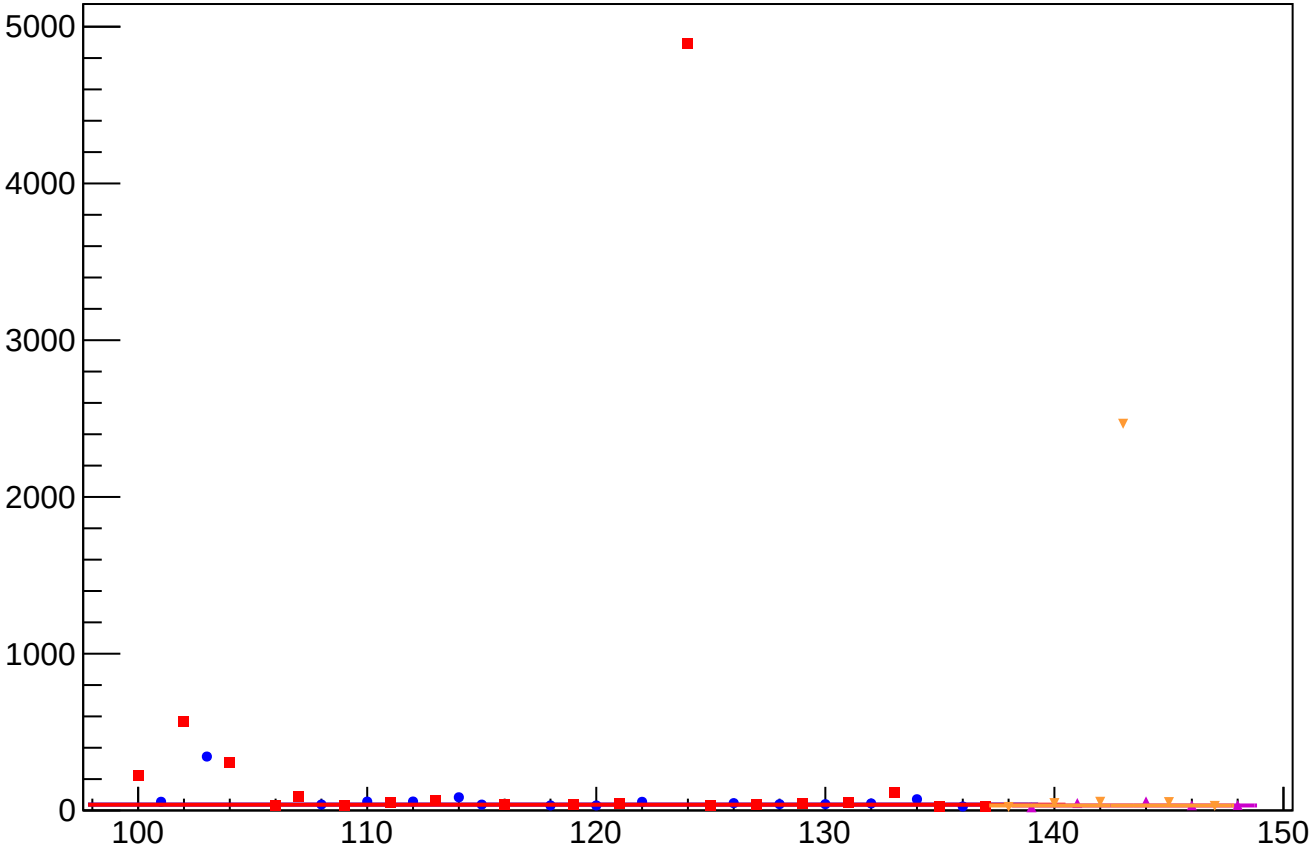
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

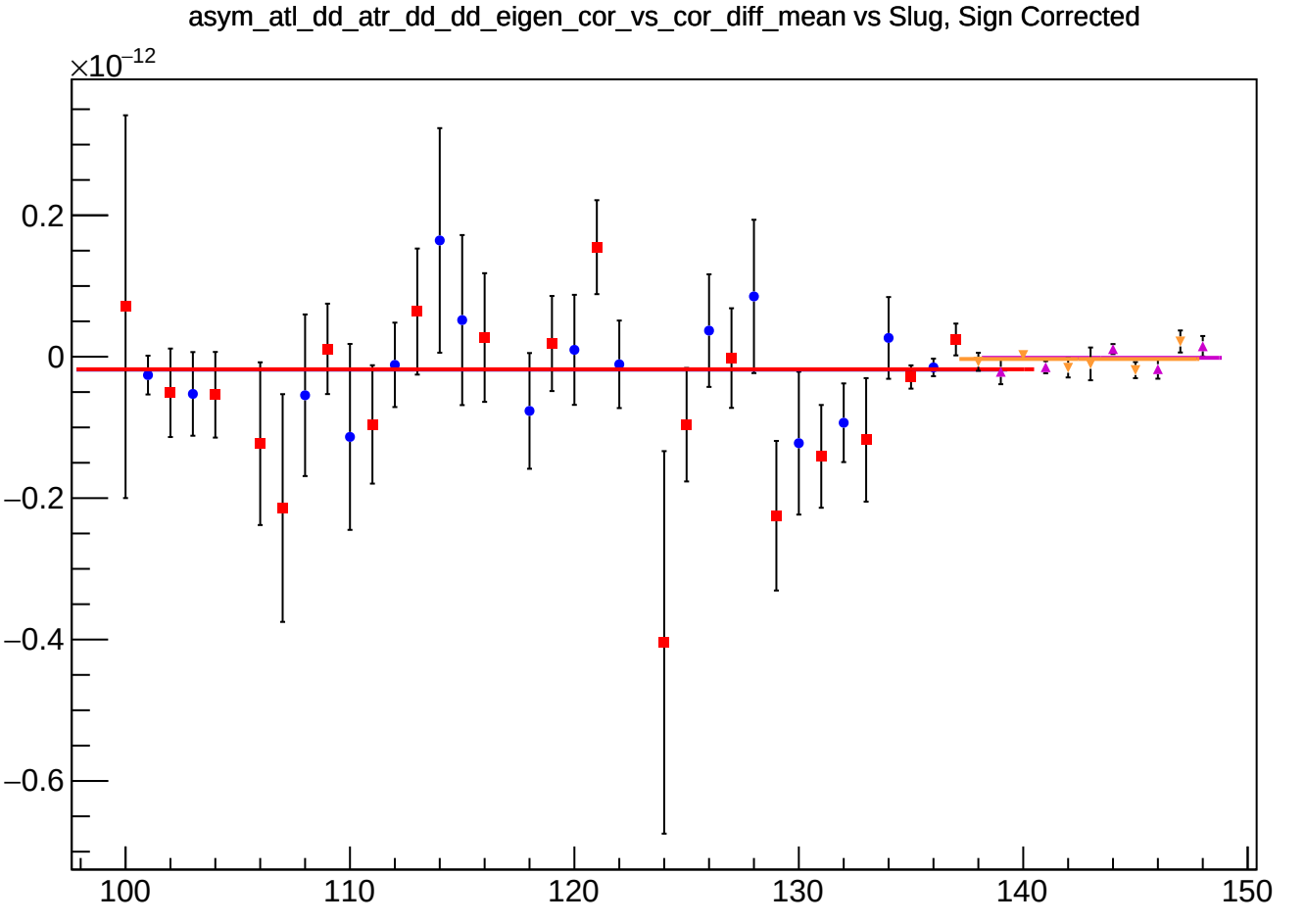
Left: 31.804+/-0.009 χ^2/NDF: 3278723.4/10

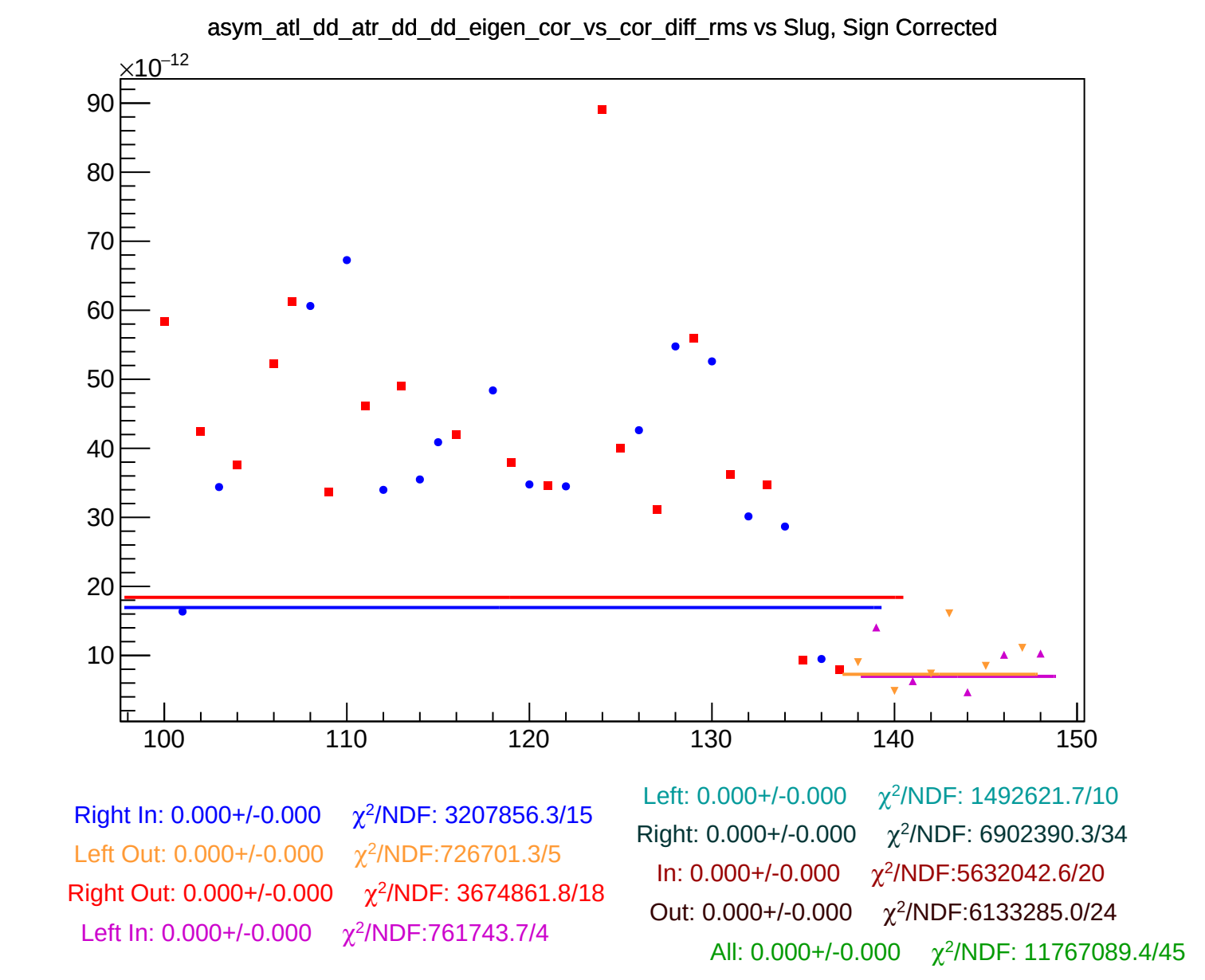
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

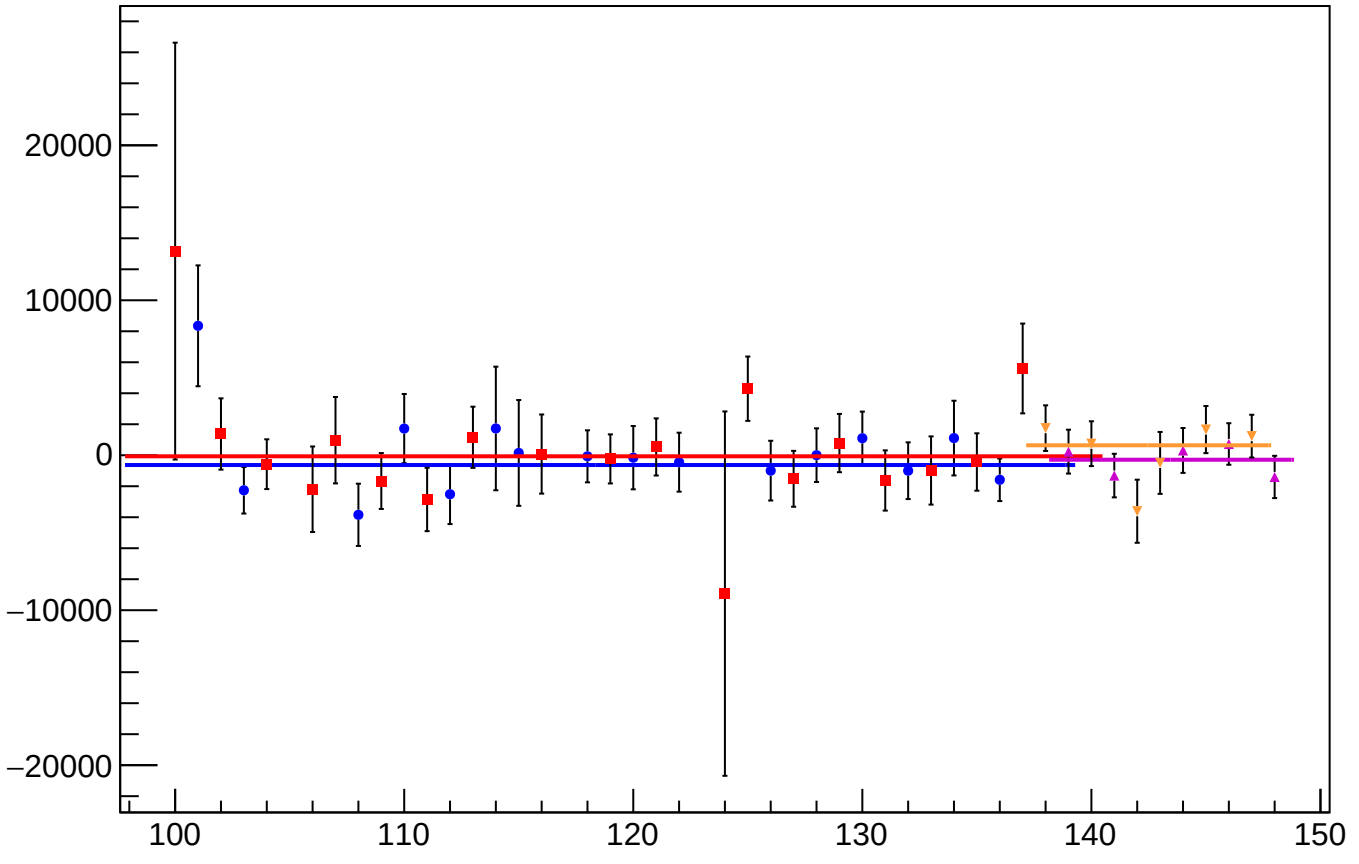
In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:6.1/5
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.4/4
Left: -0.000+/-0.000 χ²/NDF: 15.6/10
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:20.0/20
Out: -0.000+/-0.000 χ²/NDF:34.9/24
All: -0.000+/-0.000 χ²/NDF: 54.9/45


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:726701.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:761743.7/4
Left: 0.000+/-0.000 χ²/NDF: 1492621.7/10
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5632042.6/20
Out: 0.000+/-0.000 χ²/NDF:6133285.0/24
All: 0.000+/-0.000 χ²/NDF: 11767089.4/45



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -290.048+/-623.108 χ^2/NDF:2.1/4

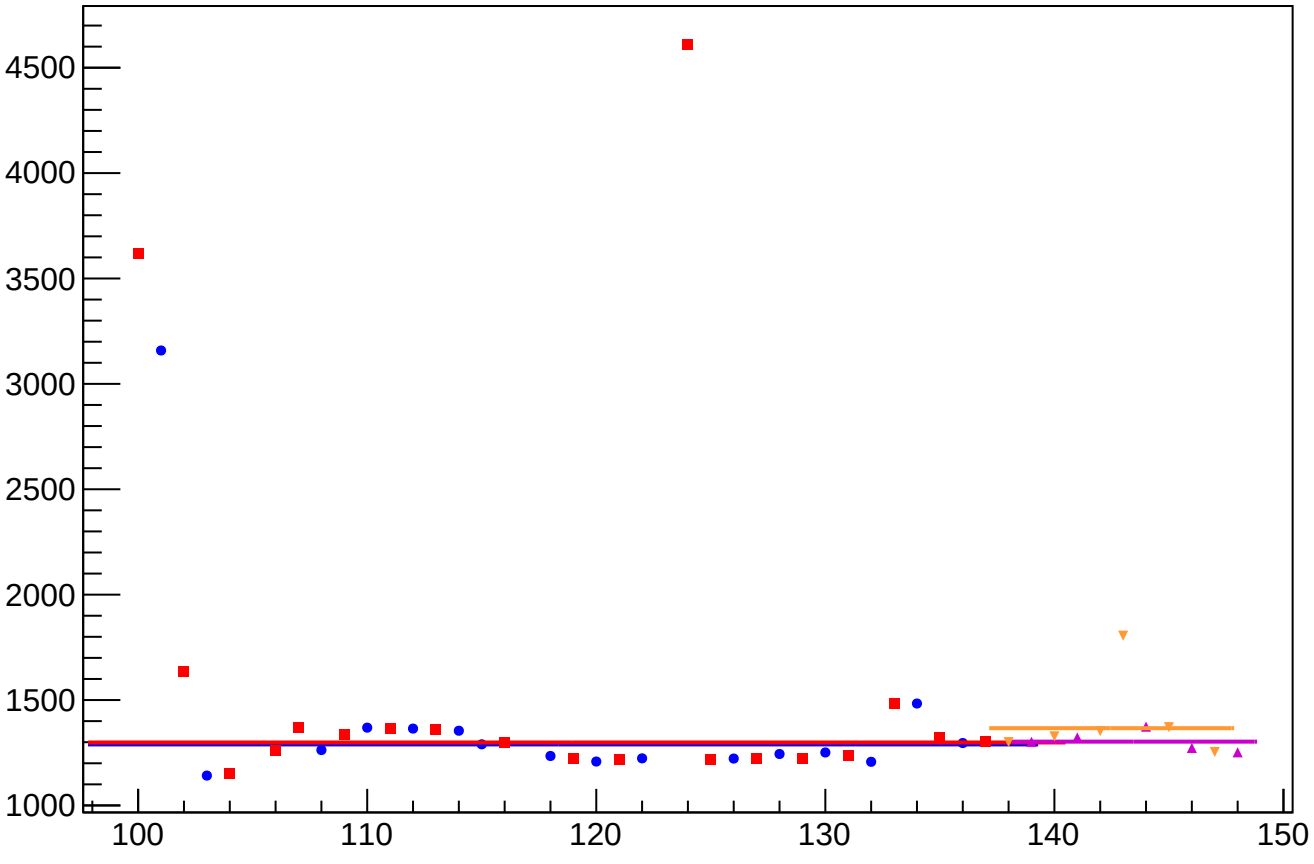
Left: 158.412+/-448.780 χ^2/NDF: 9.0/10

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -501.186+/-384.521 χ^2/NDF:16.2/20

Out: 189.488+/-389.461 χ^2/NDF:22.5/24

All: -160.257+/-273.627 χ^2/NDF: 40.3/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

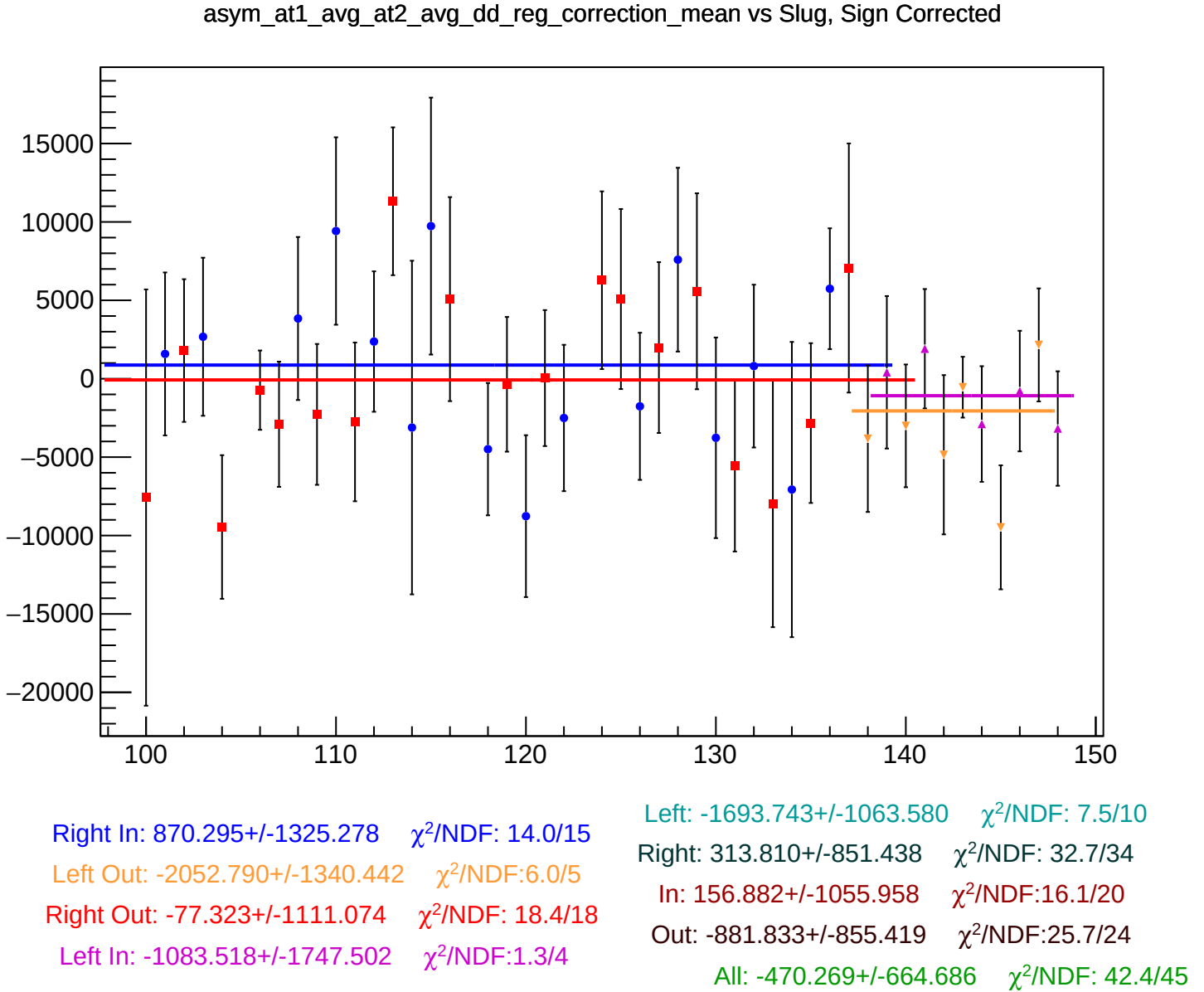
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

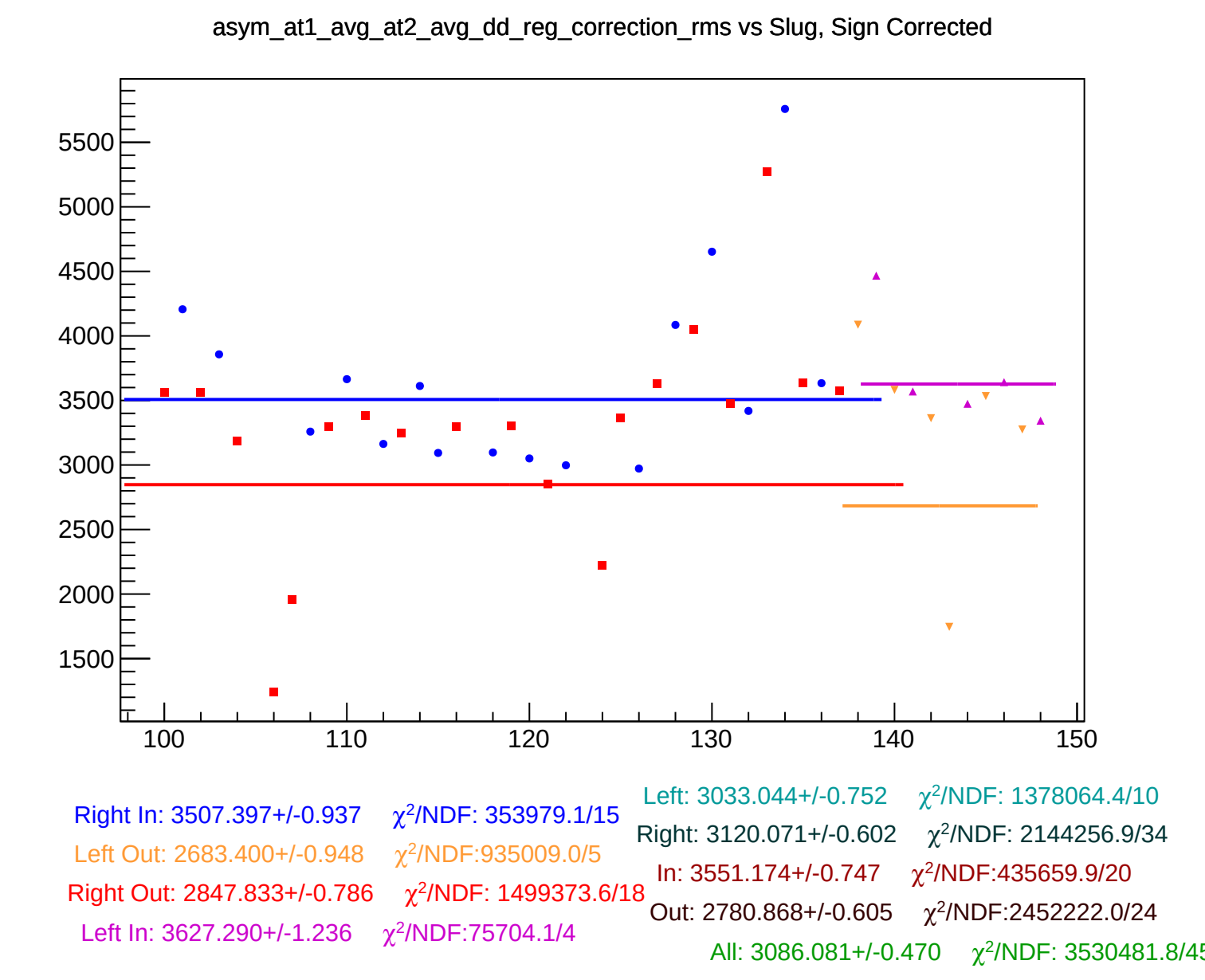
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

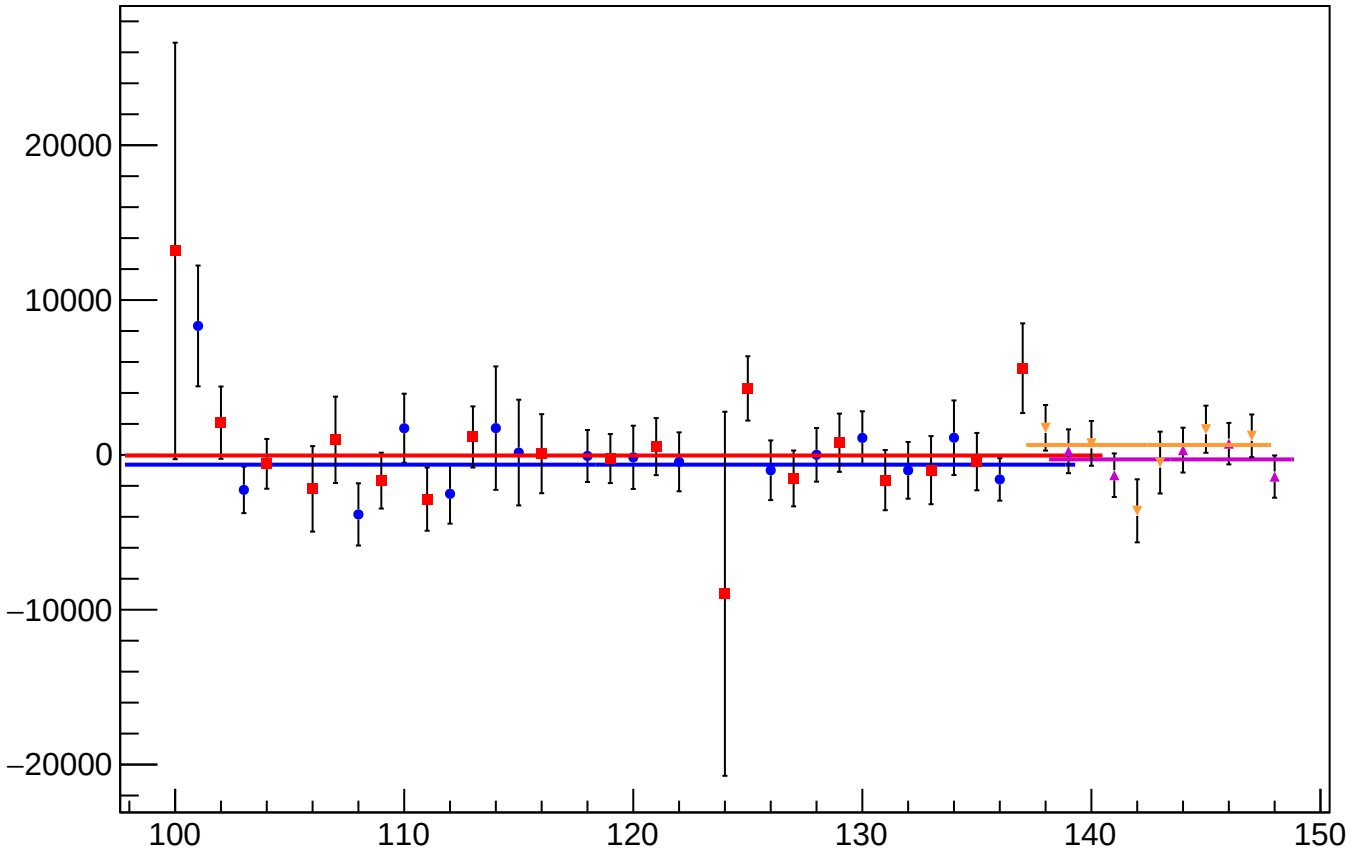
In: 1294.485+/-0.272 χ^2/NDF:524191.7/20

Out: 1323.195+/-0.275 χ^2/NDF:448850.6/24

All: 1308.681+/-0.193 χ^2/NDF: 978555.0/45


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -2052.790+/-1340.442 χ²/NDF:6.0/5
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1083.518+/-1747.502 χ²/NDF:1.3/4
Left: -1693.743+/-1063.580 χ²/NDF: 7.5/10
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 156.882+/-1055.958 χ²/NDF:16.1/20
Out: -881.833+/-855.419 χ²/NDF:25.7/24
All: -470.269+/-664.686 χ²/NDF: 42.4/45


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2683.400+/-0.948 χ²/NDF:935009.0/5
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3627.290+/-1.236 χ²/NDF:75704.1/4
Left: 3033.044+/-0.752 χ²/NDF: 1378064.4/10
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3551.174+/-0.747 χ²/NDF:435659.9/20
Out: 2780.868+/-0.605 χ²/NDF:2452222.0/24
All: 3086.081+/-0.470 χ²/NDF: 3530481.8/45



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

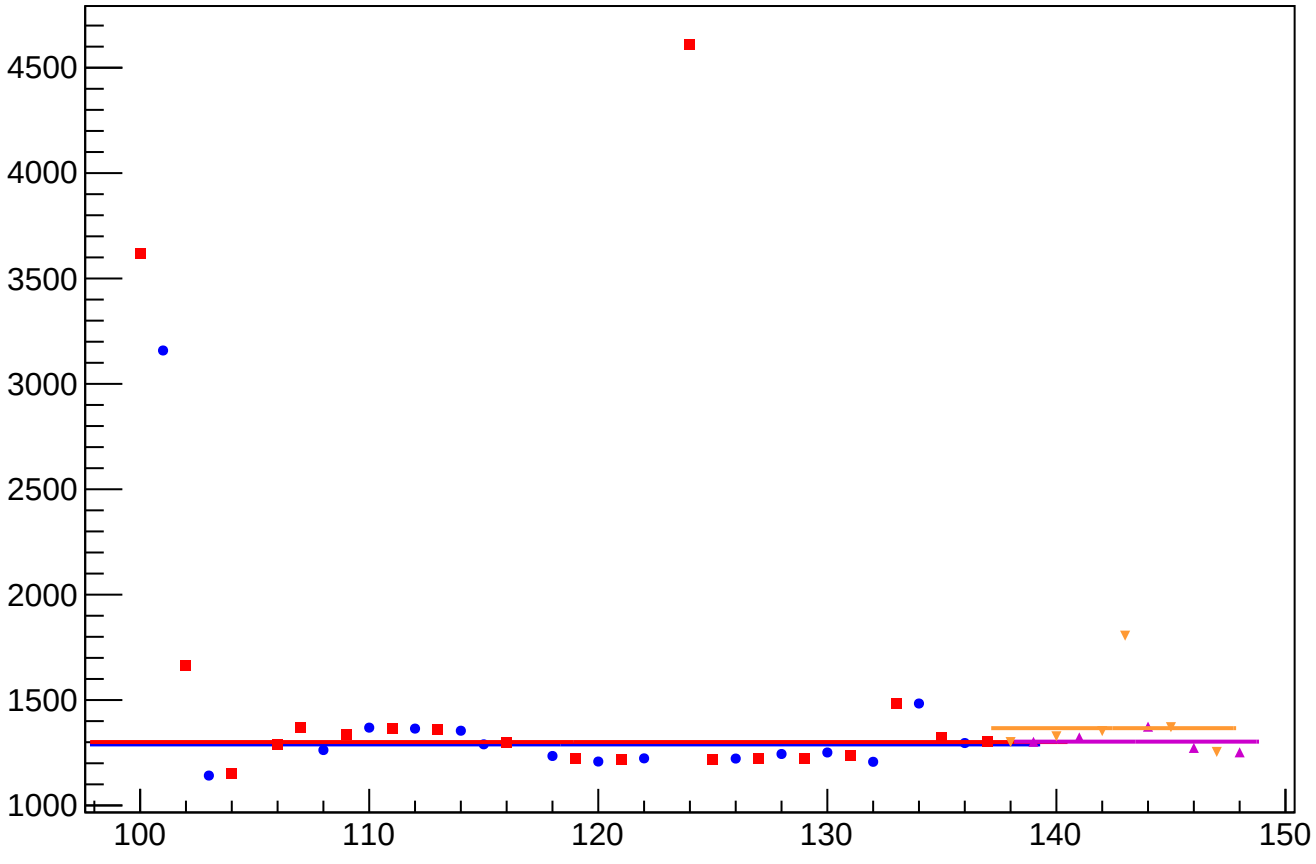
Left: 158.352+/-448.780 χ^2/NDF: 9.0/10

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -151.315+/-273.684 χ^2/NDF: 40.7/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

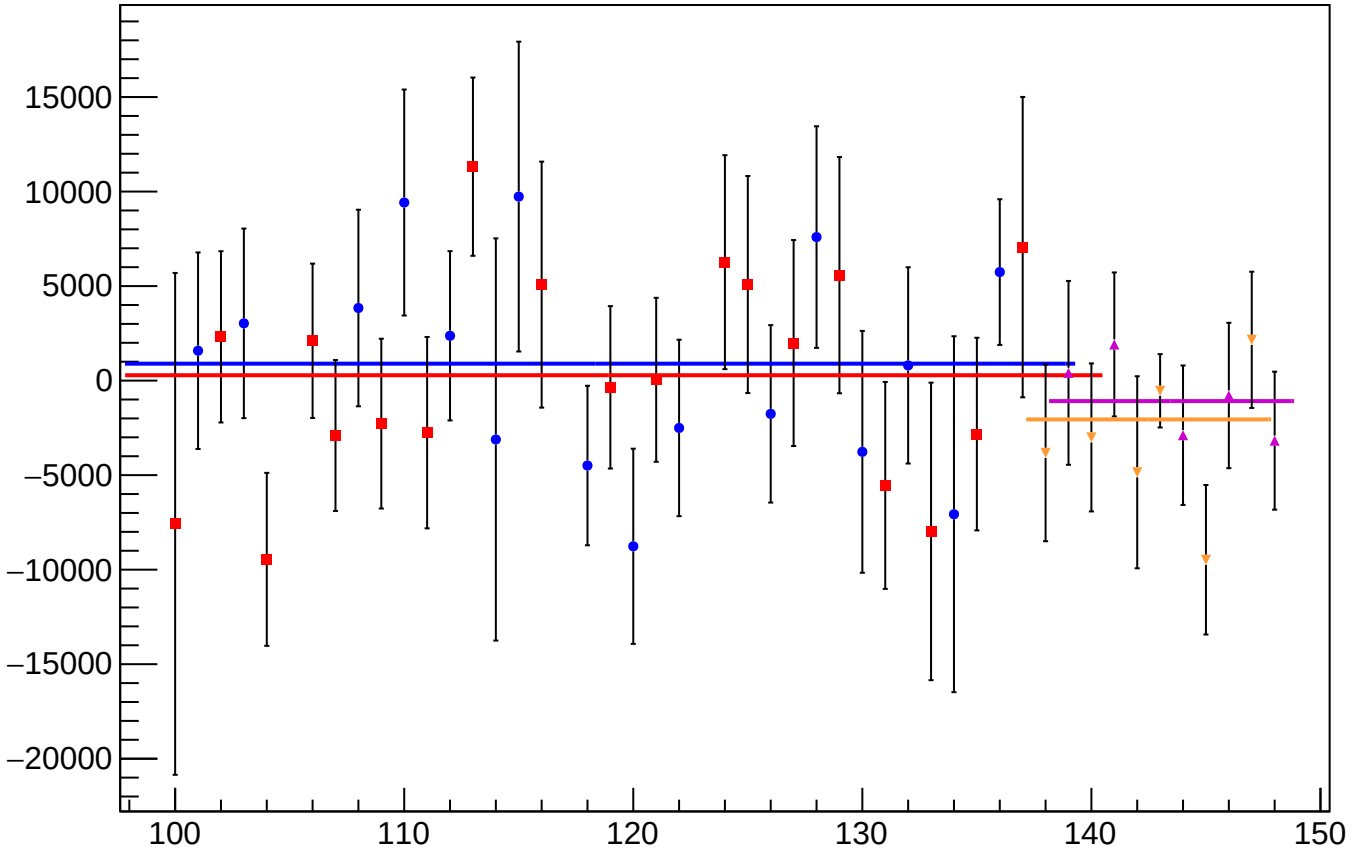
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45

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: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1083.517+/-1747.501 χ^2/NDF:1.3/4

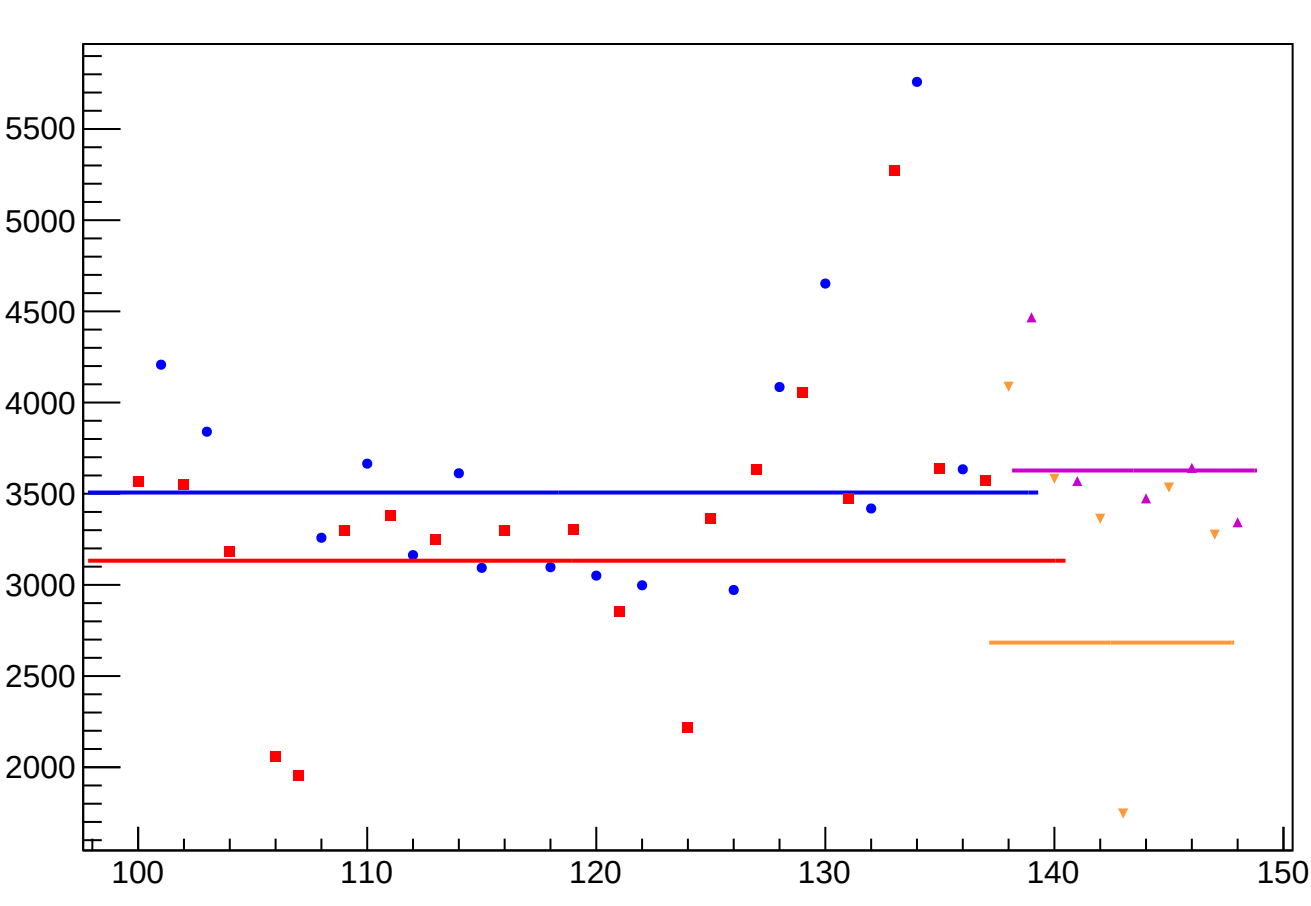
Left: -1693.637+/-1063.578 χ^2/NDF: 7.5/10

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 173.527+/-1055.727 χ^2/NDF:16.2/20

Out: -739.281+/-887.045 χ^2/NDF:26.3/24

All: -361.539+/-679.140 χ^2/NDF: 43.0/45



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

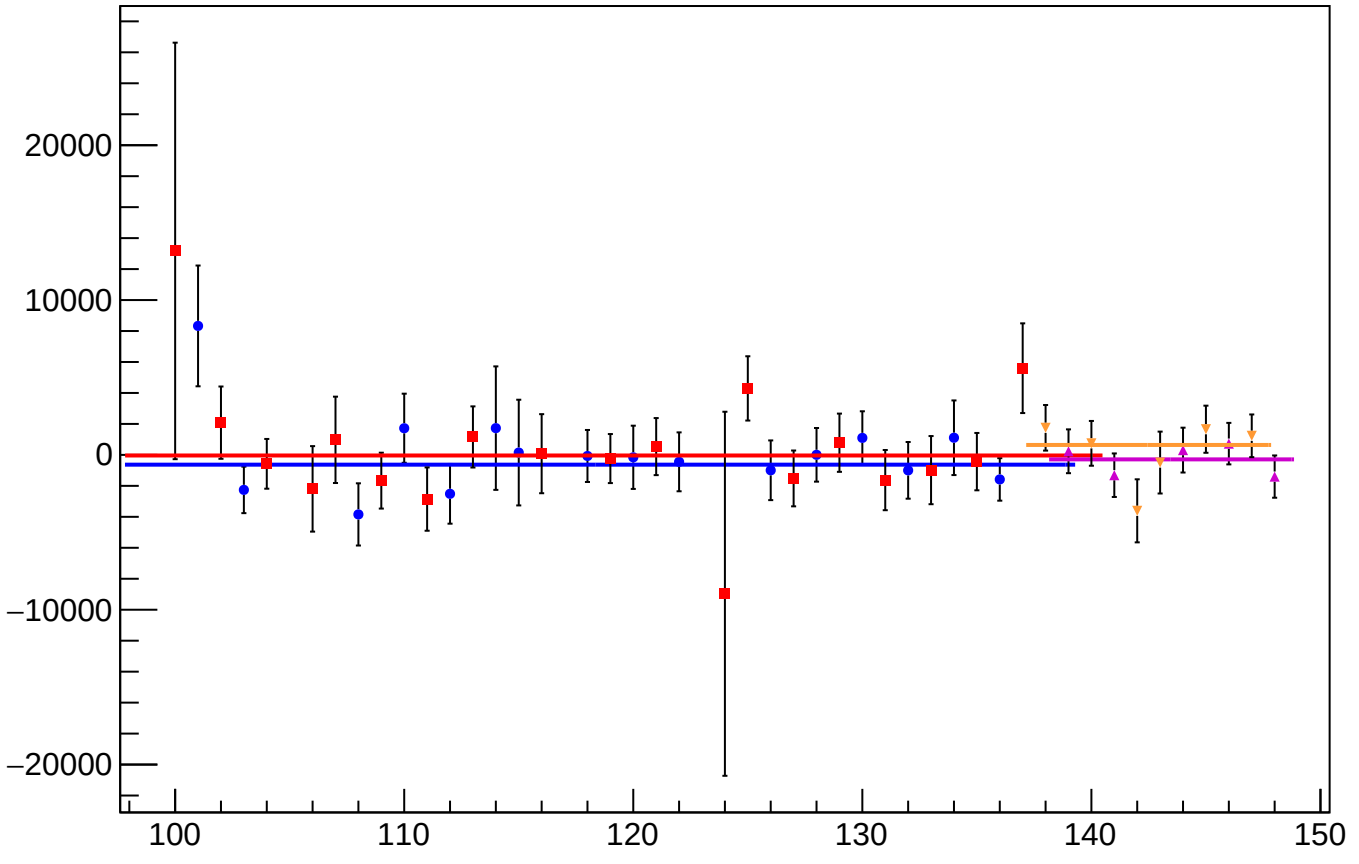
Left: 3033.035+/-0.752 χ^2/NDF: 1378084.6/10

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

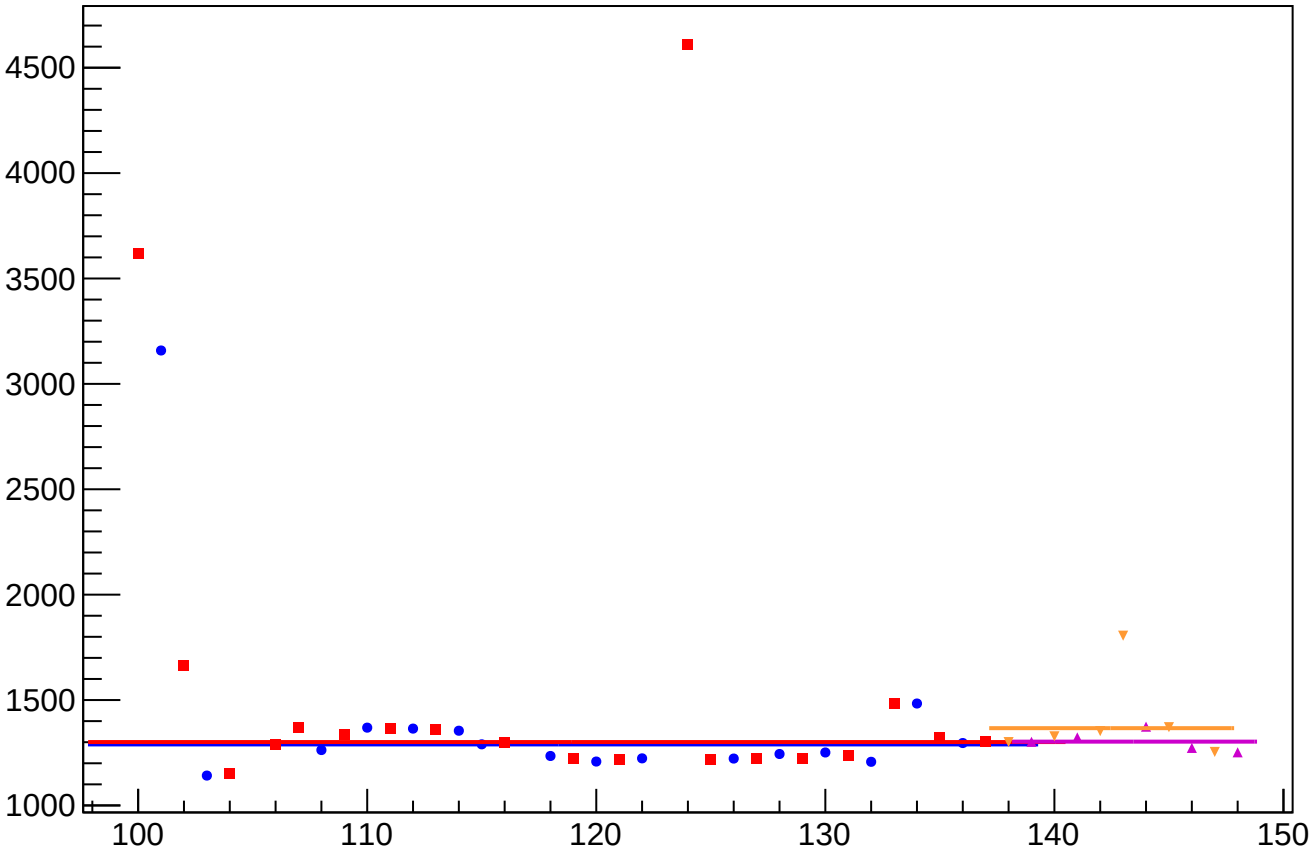
Left: 158.352+/-448.780 χ^2/NDF: 9.0/10

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -151.315+/-273.684 χ^2/NDF: 40.7/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

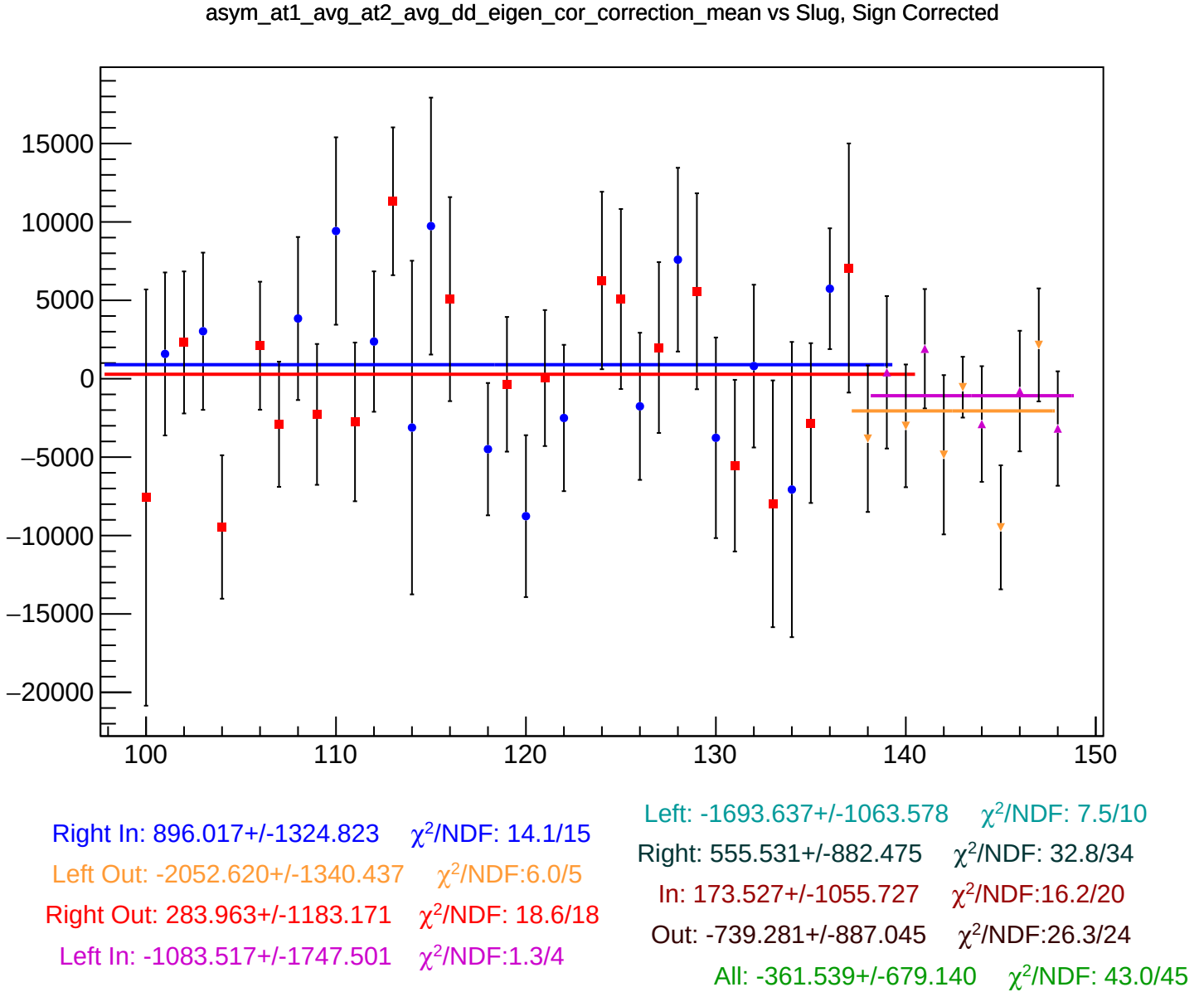
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

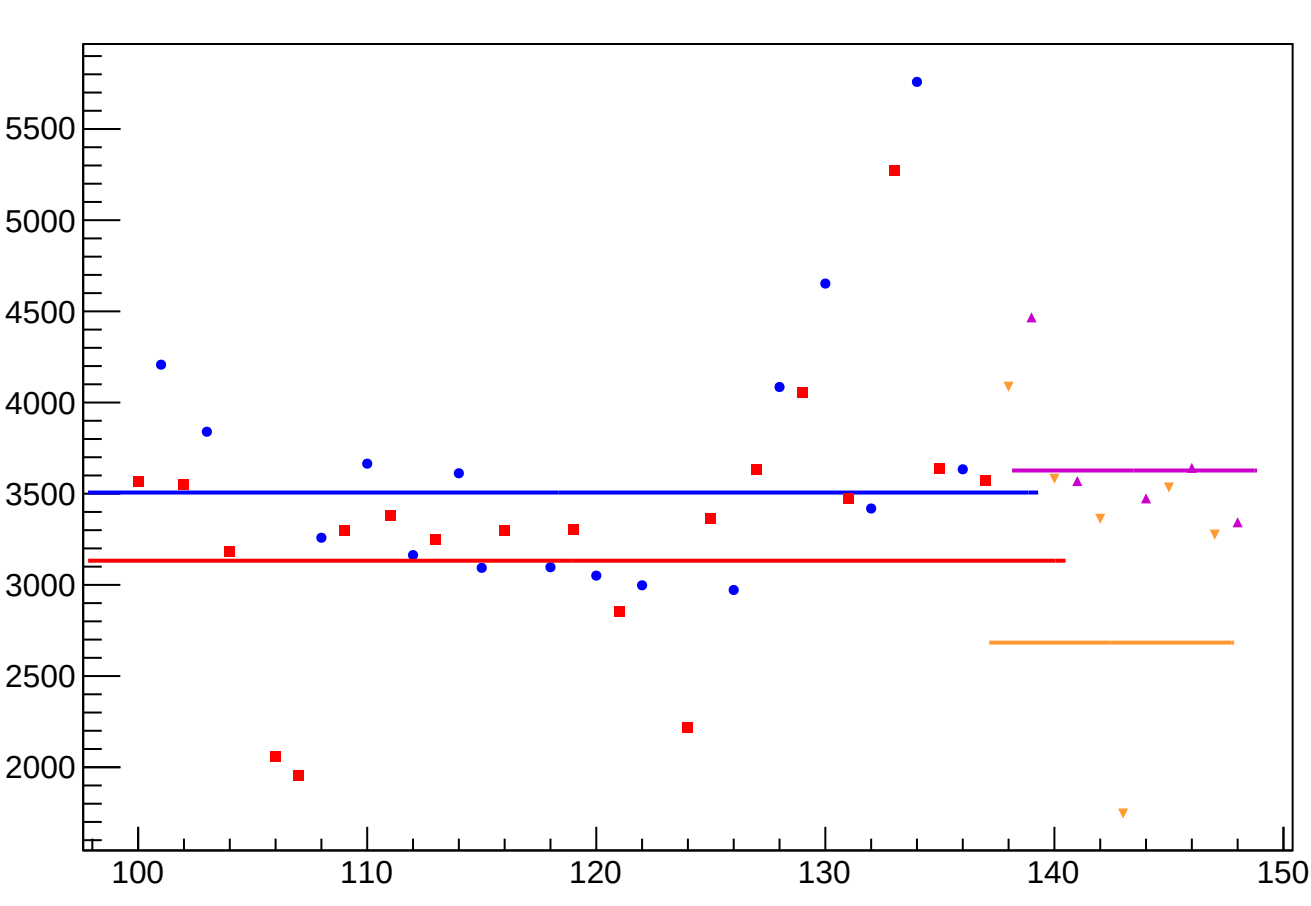
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1693.637+/-1063.578 χ²/NDF: 7.5/10
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -361.539+/-679.140 χ²/NDF: 43.0/45



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

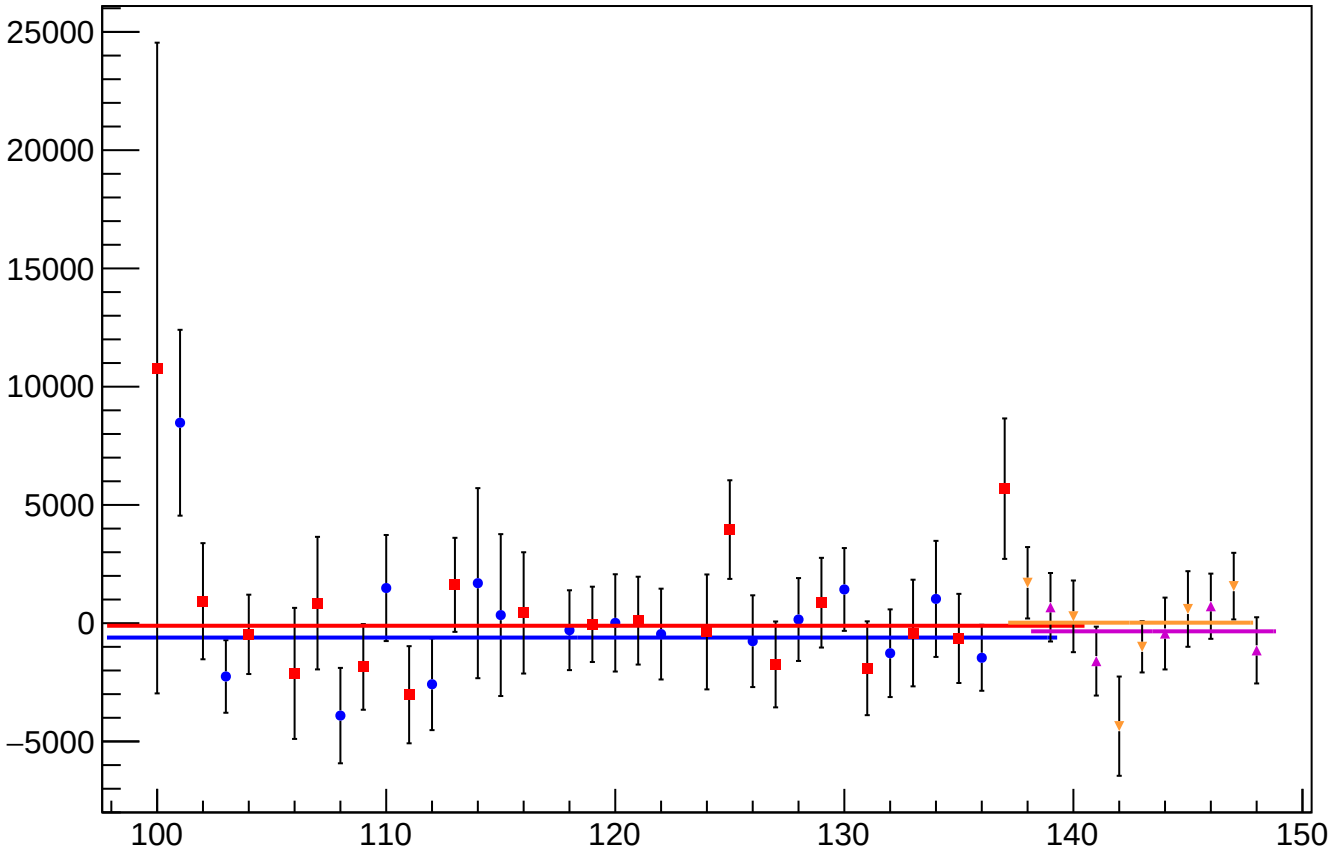
Left: 3033.035+/-0.752 χ^2/NDF: 1378084.6/10

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -344.307+/-643.028 χ^2/NDF:2.2/4

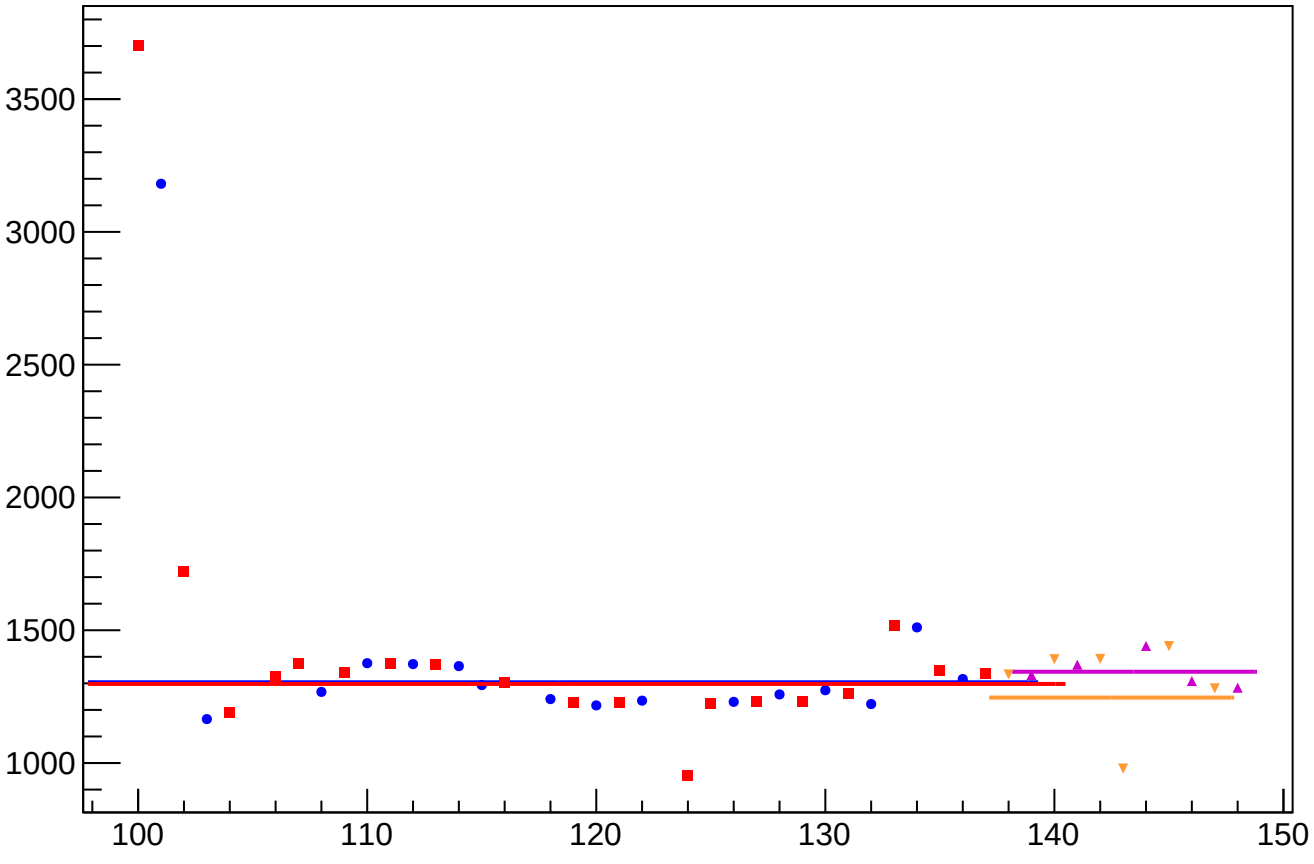
Left: -146.472+/-435.756 χ^2/NDF: 10.2/10

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -509.980+/-391.834 χ^2/NDF:16.4/20

Out: -56.334+/-375.571 χ^2/NDF:22.7/24

All: -273.547+/-271.136 χ^2/NDF: 39.8/45



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

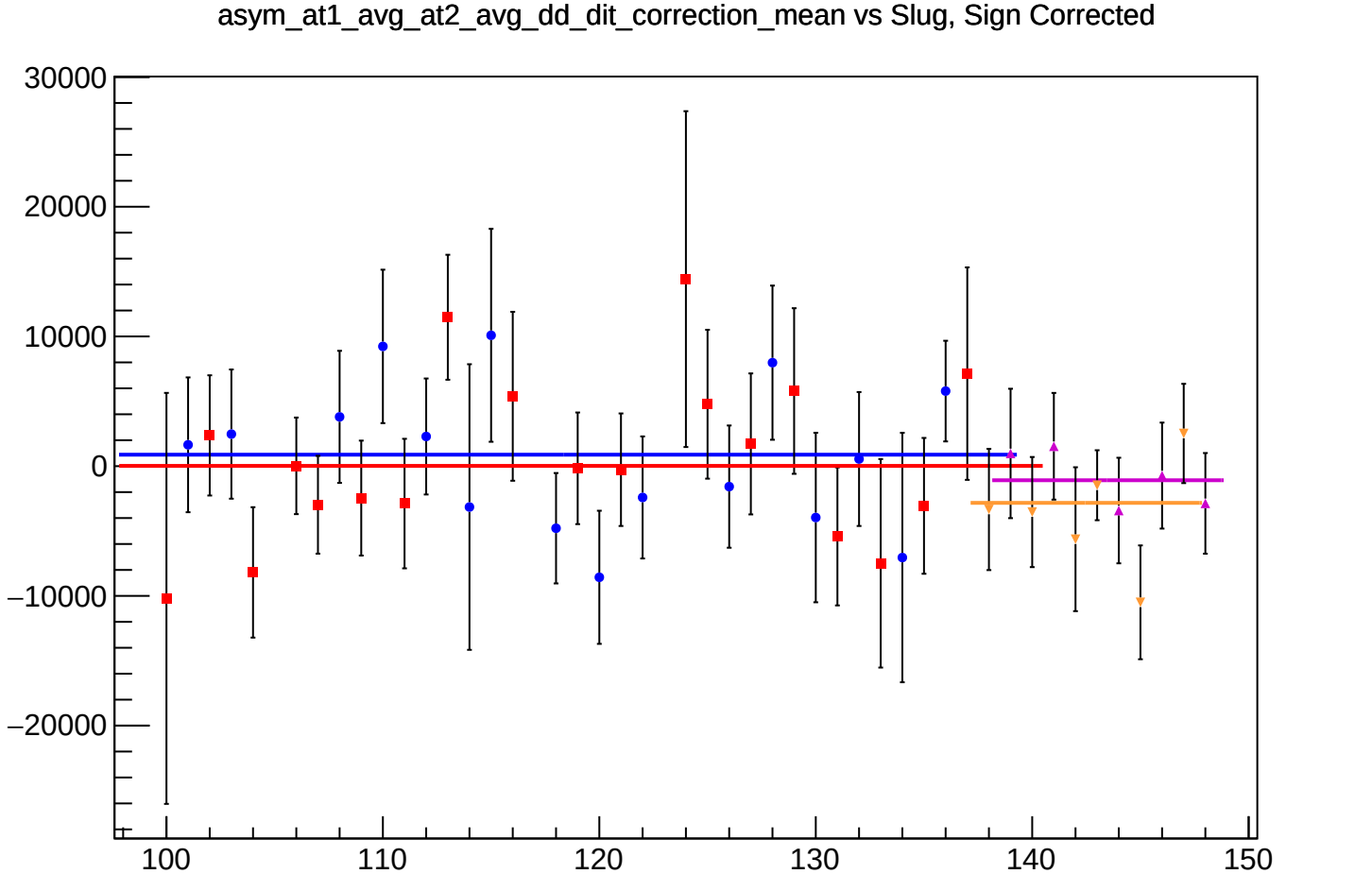
Left: 1291.140+/-0.308 χ^2/NDF: 225281.5/10

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1318.823+/-0.277 χ^2/NDF:529327.6/20

Out: 1277.195+/-0.265 χ^2/NDF:408649.6/24

All: 1297.118+/-0.192 χ^2/NDF: 949747.6/45



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1086.069+/-1869.912 χ^2/NDF:1.1/4

Left: -2093.540+/-1214.915 χ^2/NDF: 7.2/10

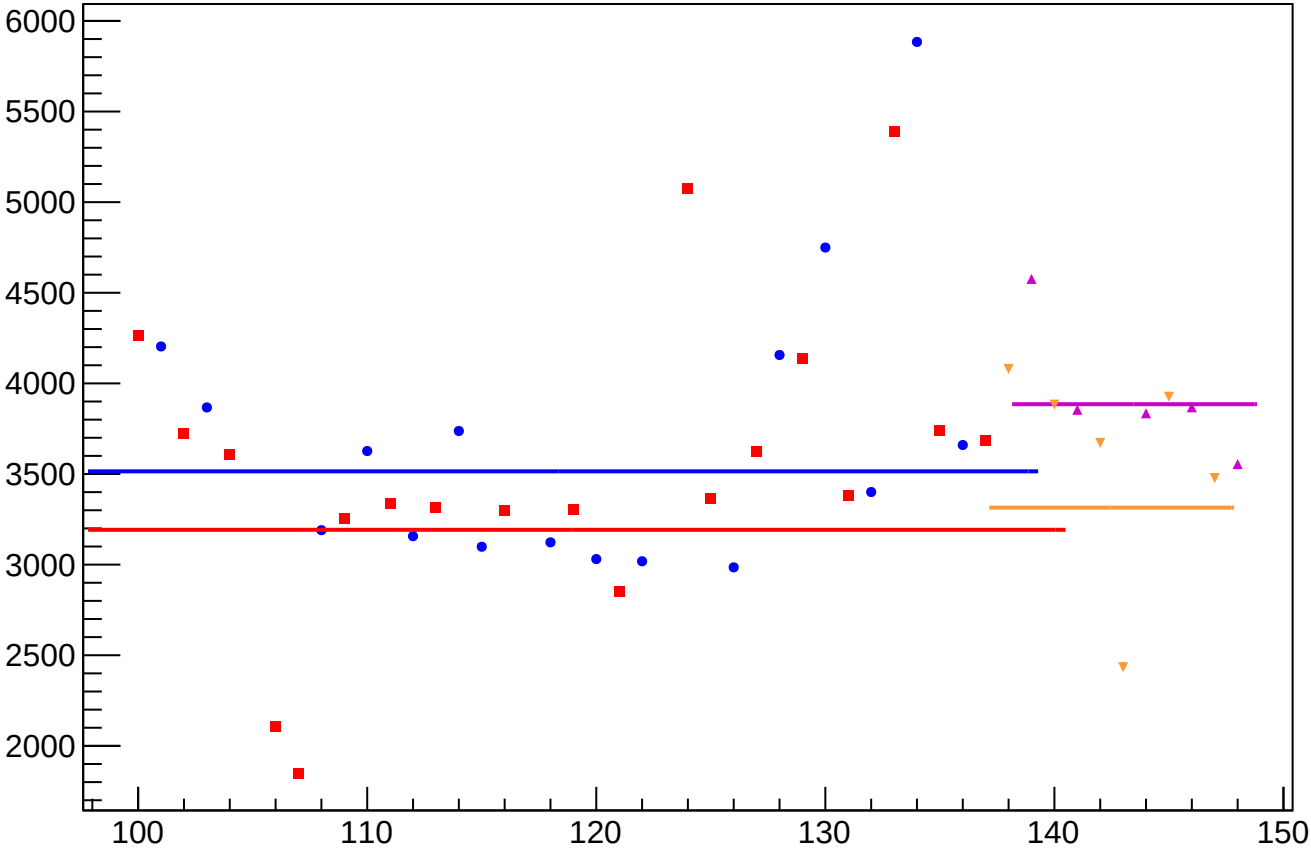
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 223.927+/-1082.404 χ^2/NDF:16.0/20

Out: -1006.876+/-959.619 χ^2/NDF:24.4/24

All: -465.215+/-718.057 χ^2/NDF: 41.1/45

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: 3314.764+/-1.130 χ^2/NDF:353402.5/5

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

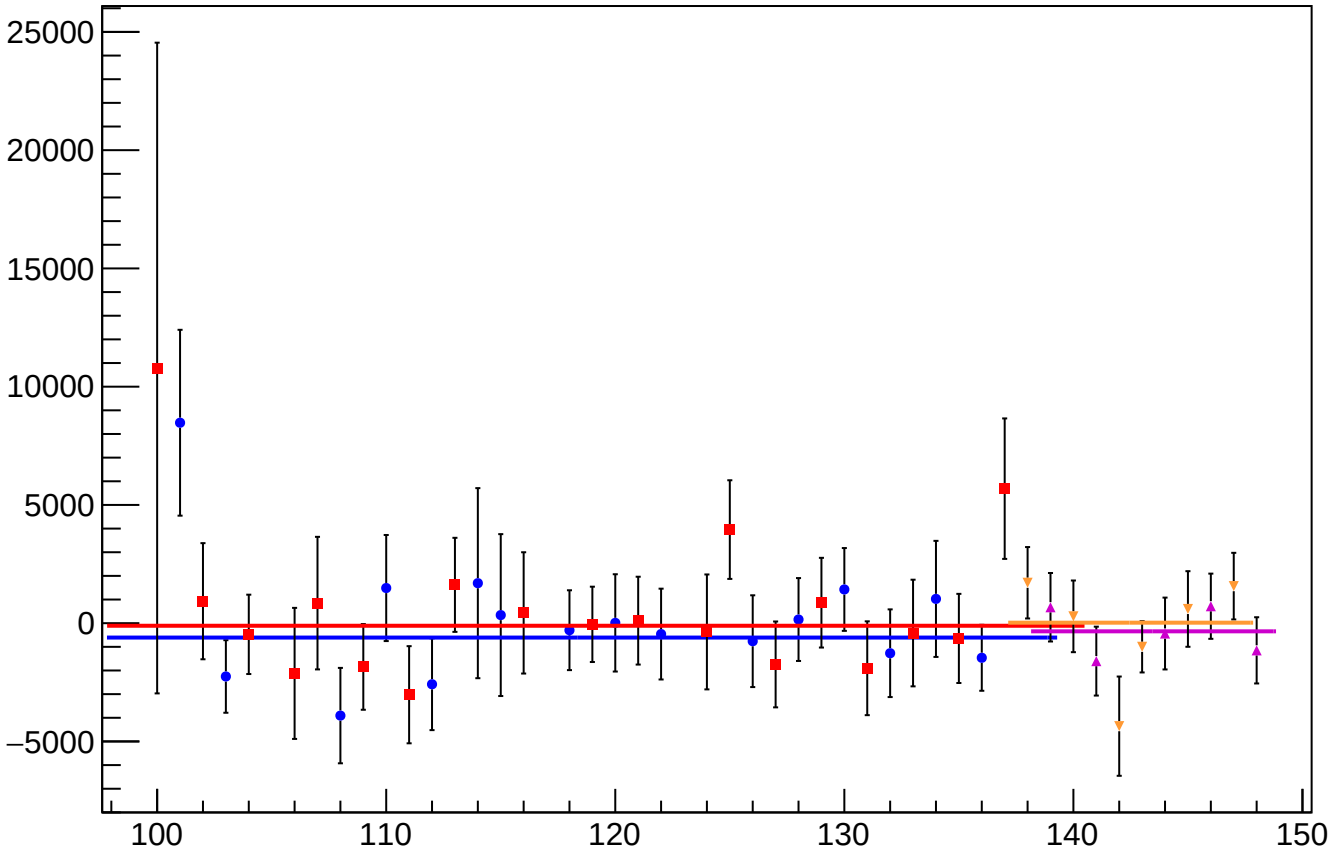
Left: 3555.563+/-0.859 χ^2/NDF: 514316.7/10

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3638.874+/-0.765 χ^2/NDF:480633.7/20

Out: 3236.389+/-0.679 χ^2/NDF:1133419.4/24

All: 3413.518+/-0.508 χ^2/NDF: 1768888.1/45



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -344.306+/-643.029 χ^2/NDF:2.2/4

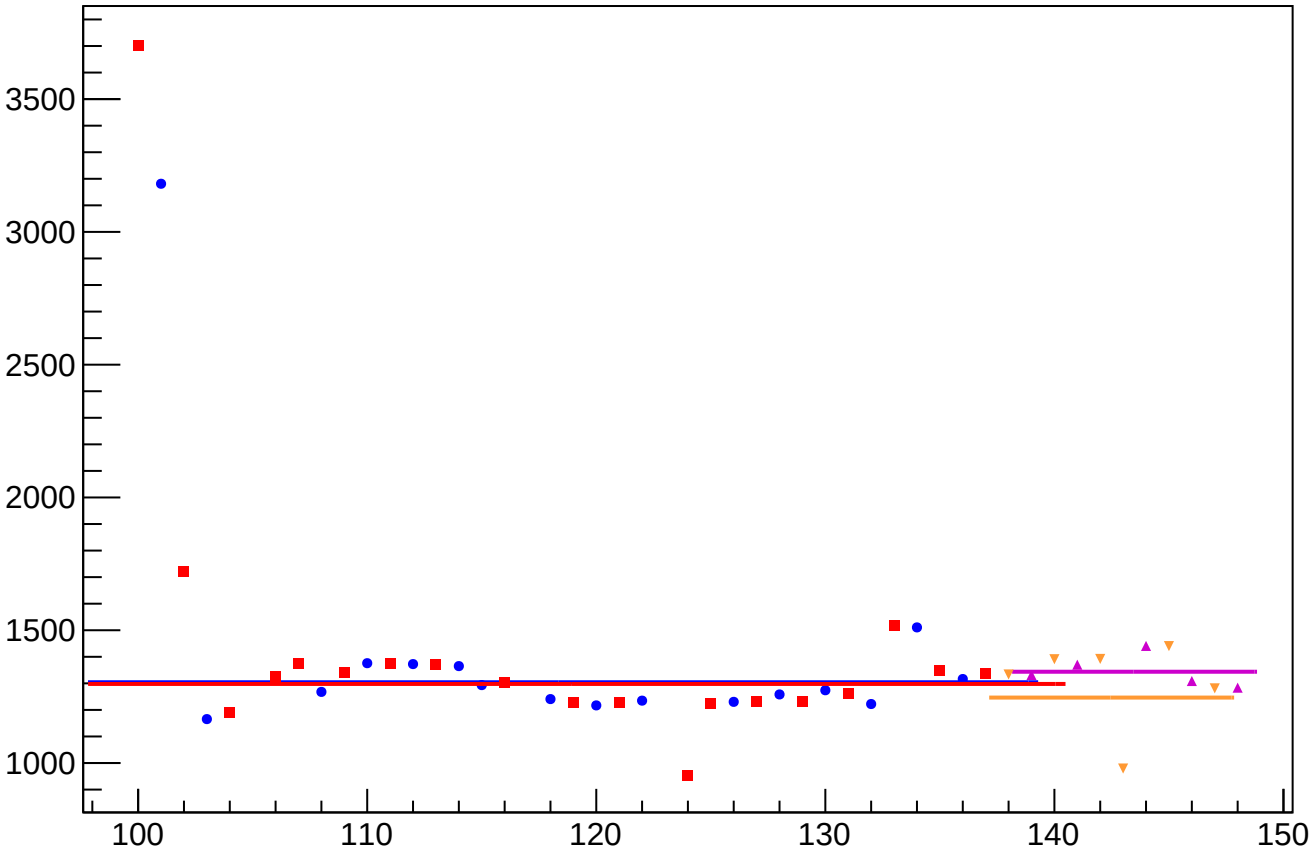
Left: -146.474+/-435.756 χ^2/NDF: 10.2/10

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -509.982+/-391.835 χ^2/NDF:16.4/20

Out: -56.339+/-375.571 χ^2/NDF:22.7/24

All: -273.551+/-271.136 χ^2/NDF: 39.8/45



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

Left: 1291.141+/-0.308 χ^2/NDF: 225281.9/10

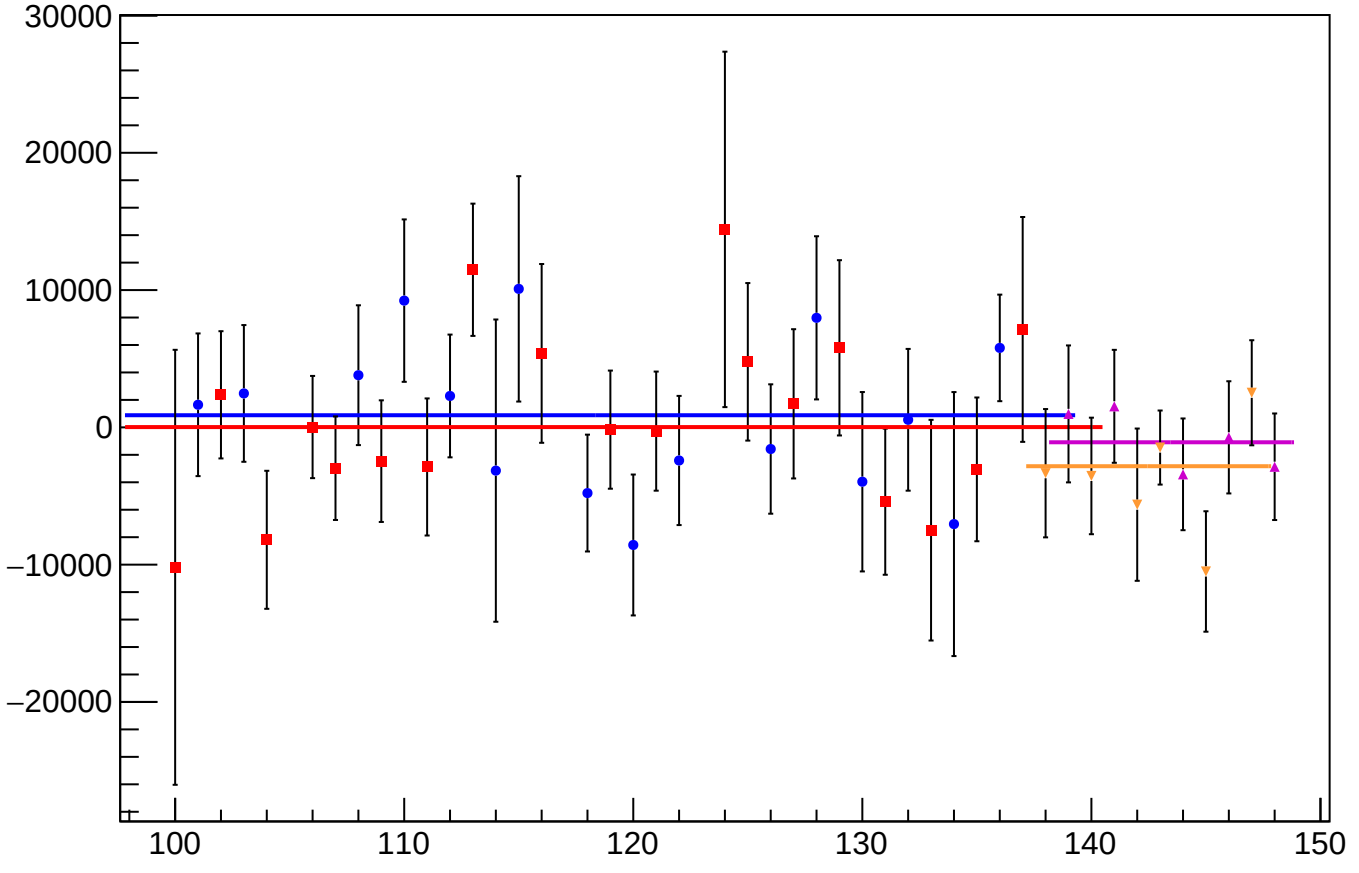
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1318.824+/-0.277 χ^2/NDF:529328.1/20

Out: 1277.195+/-0.265 χ^2/NDF:408649.7/24

All: 1297.118+/-0.192 χ^2/NDF: 949748.0/45

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1086.066+/-1869.915 χ^2/NDF:1.1/4

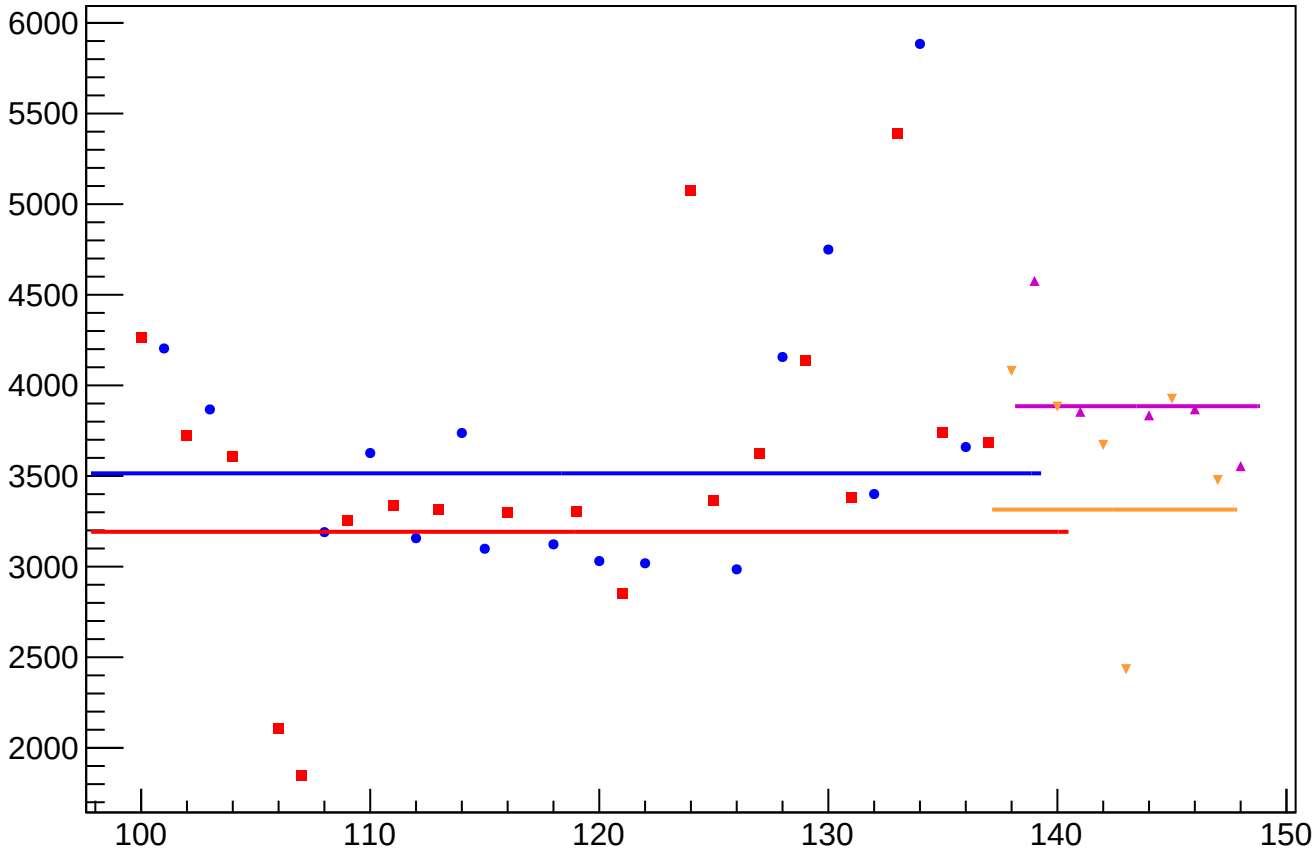
Left: -2093.539+/-1214.917 χ^2/NDF: 7.2/10

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 223.924+/-1082.402 χ^2/NDF:16.0/20

Out: -1006.874+/-959.618 χ^2/NDF:24.4/24

All: -465.215+/-718.056 χ^2/NDF: 41.1/45



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

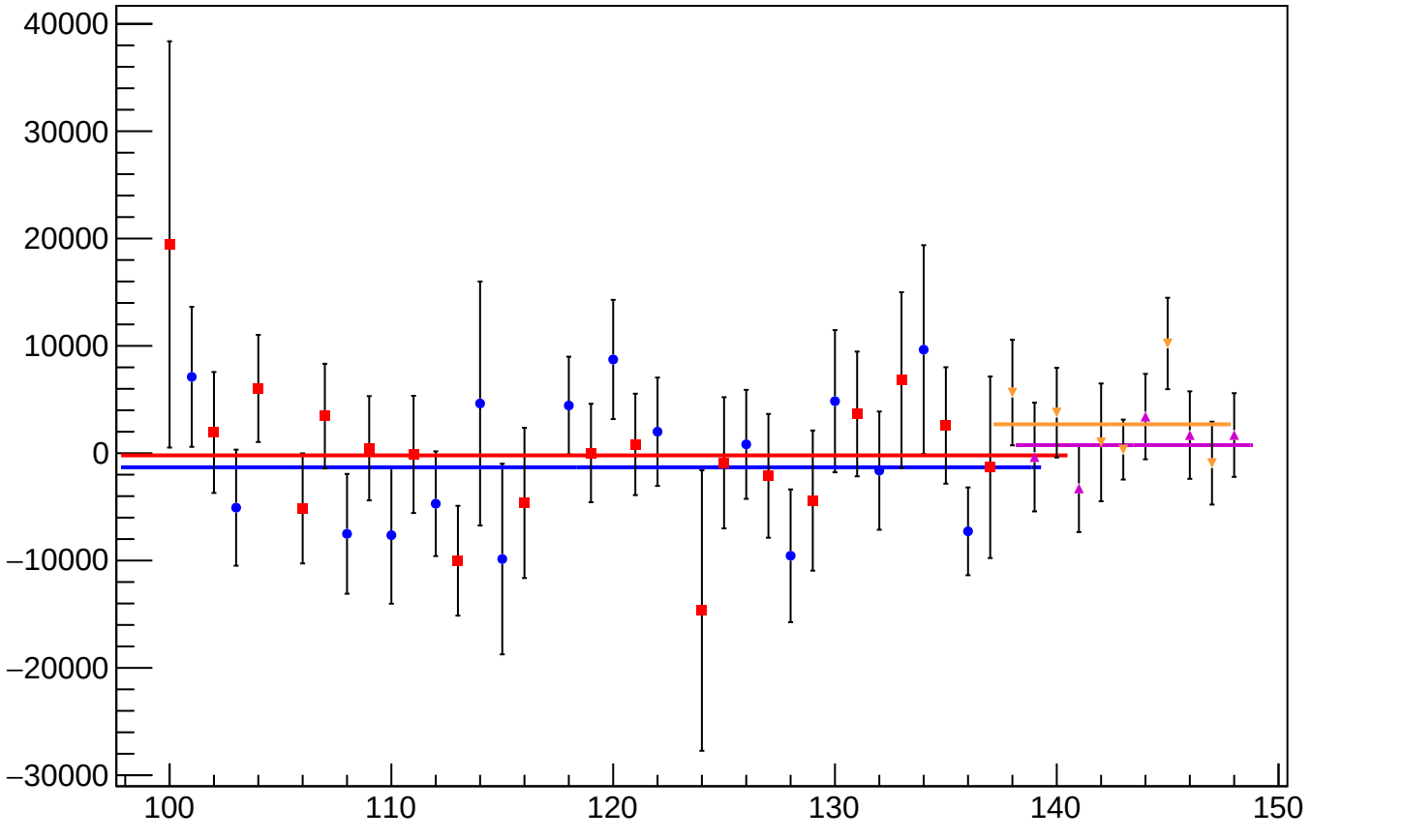
Left: 3555.569+/-0.859 χ^2/NDF: 514318.2/10

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3638.869+/-0.765 χ^2/NDF:480642.9/20

Out: 3236.386+/-0.679 χ^2/NDF:1133423.9/24

All: 3413.514+/-0.508 χ^2/NDF: 1768901.0/45



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 751.876+/-1861.261 χ^2/NDF:1.6/4

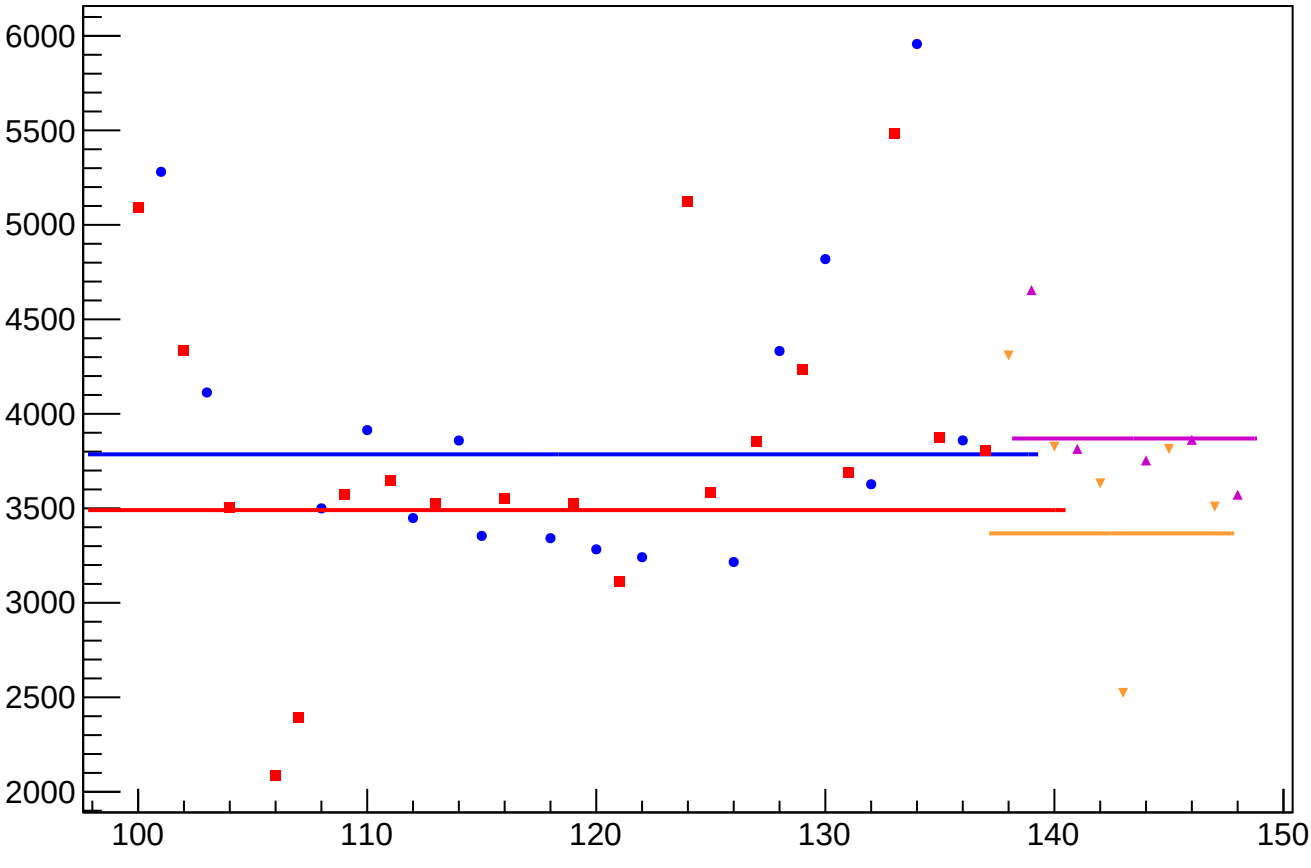
Left: 1857.994+/-1220.944 χ^2/NDF: 7.4/10

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -543.172+/-1134.773 χ^2/NDF:19.9/20

Out: 972.460+/-1030.124 χ^2/NDF:18.8/24

All: 287.738+/-762.728 χ^2/NDF: 39.7/45



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

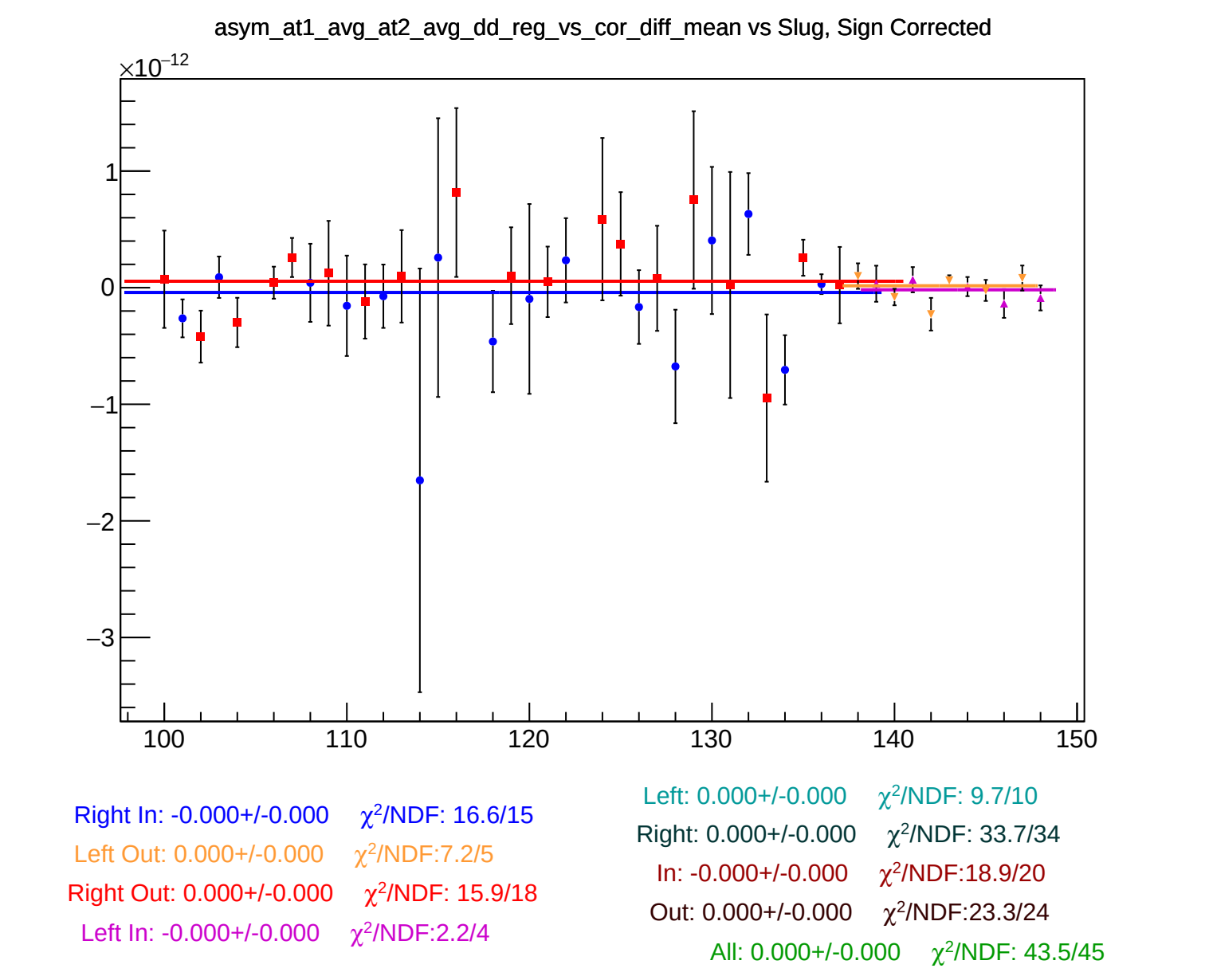
Left: 3583.501+/-0.863 χ^2/NDF: 453841.9/10

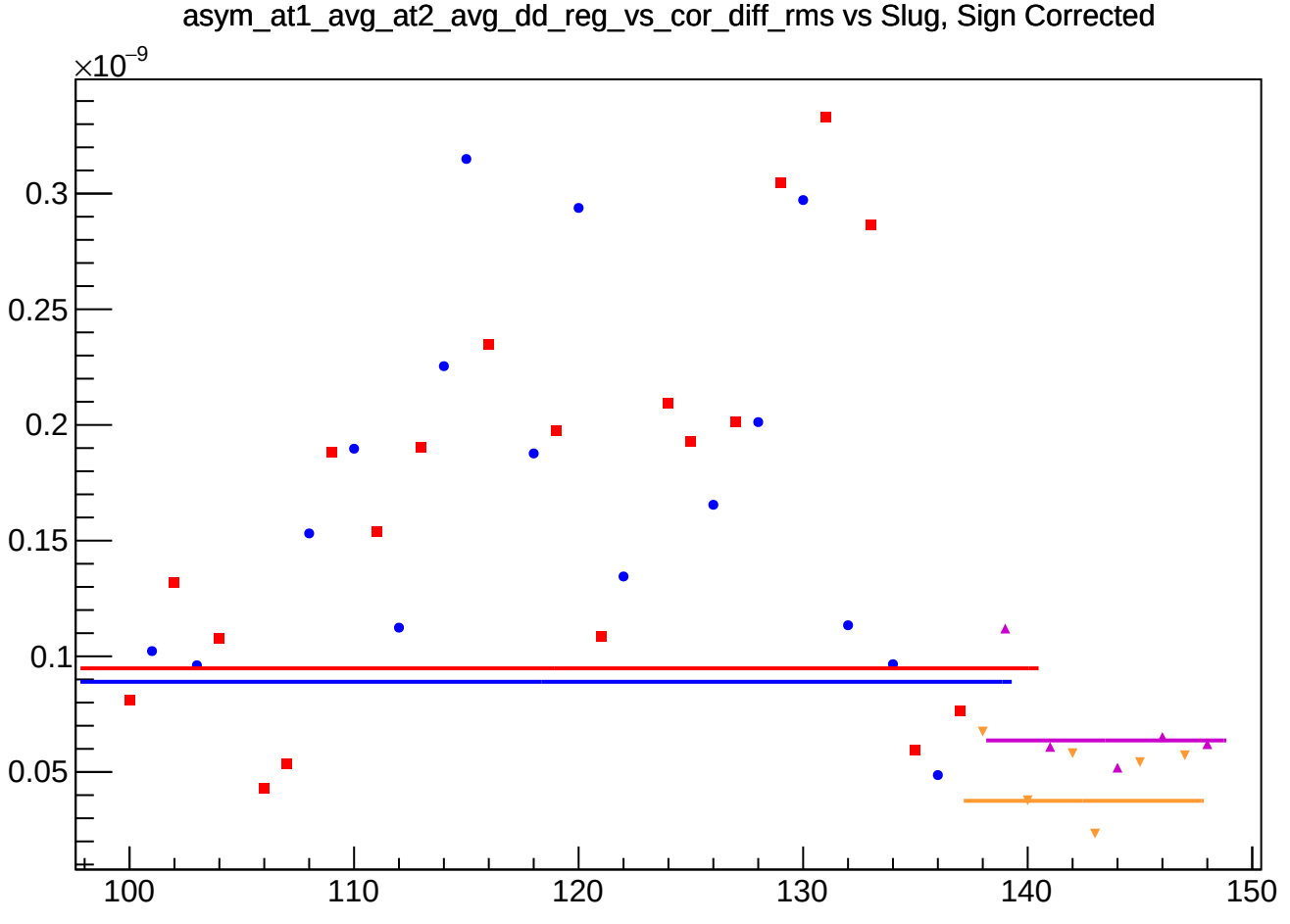
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3816.906+/-0.802 χ^2/NDF:447309.8/20

Out: 3441.482+/-0.722 χ^2/NDF:902845.5/24

All: 3609.565+/-0.537 χ^2/NDF: 1471055.1/45


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:7.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:2.2/4
Left: 0.000+/-0.000 χ²/NDF: 9.7/10
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:18.9/20
Out: 0.000+/-0.000 χ²/NDF:23.3/24
All: 0.000+/-0.000 χ²/NDF: 43.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

Left: 0.000+/-0.000 χ^2/NDF: 1189298.0/10

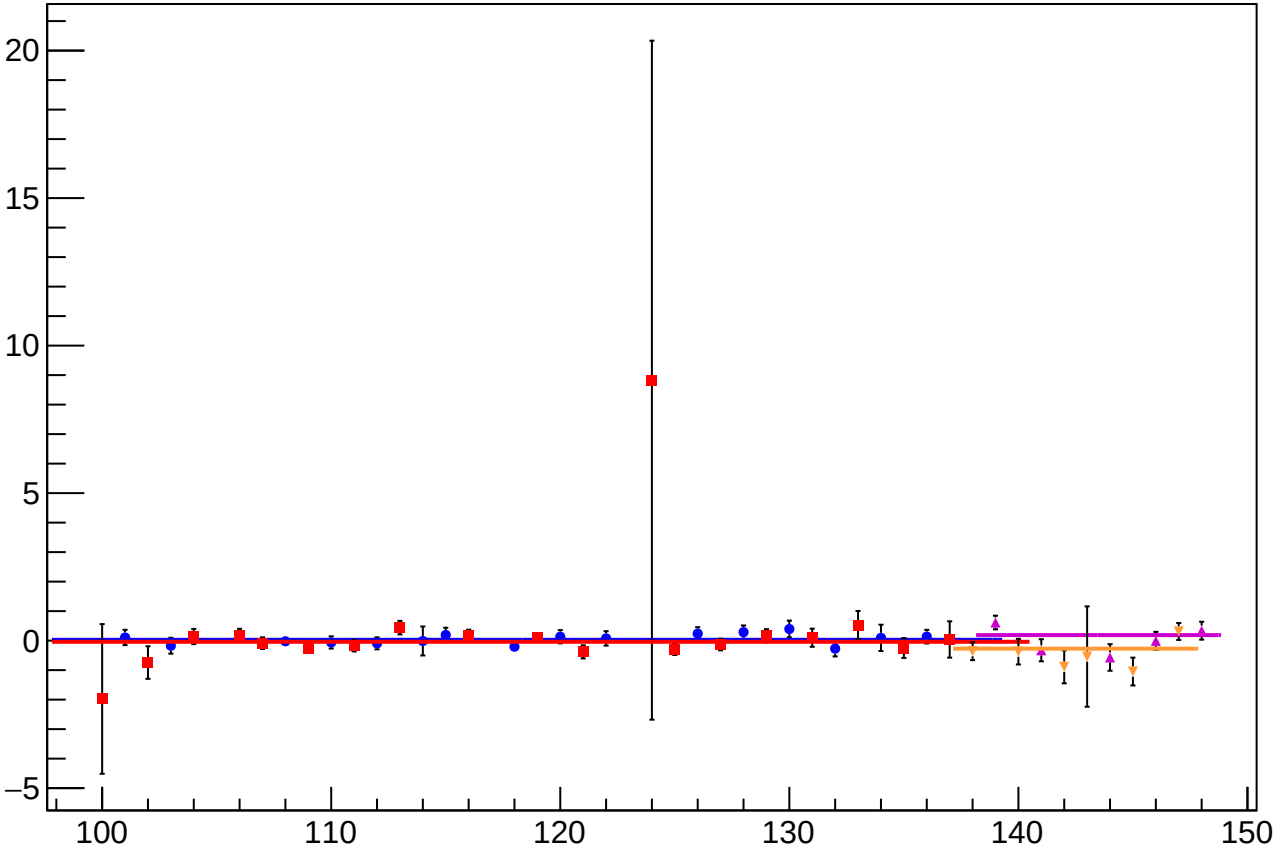
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1920085.4/20

Out: 0.000+/-0.000 χ^2/NDF:3572562.2/24

All: 0.000+/-0.000 χ^2/NDF: 6095798.8/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

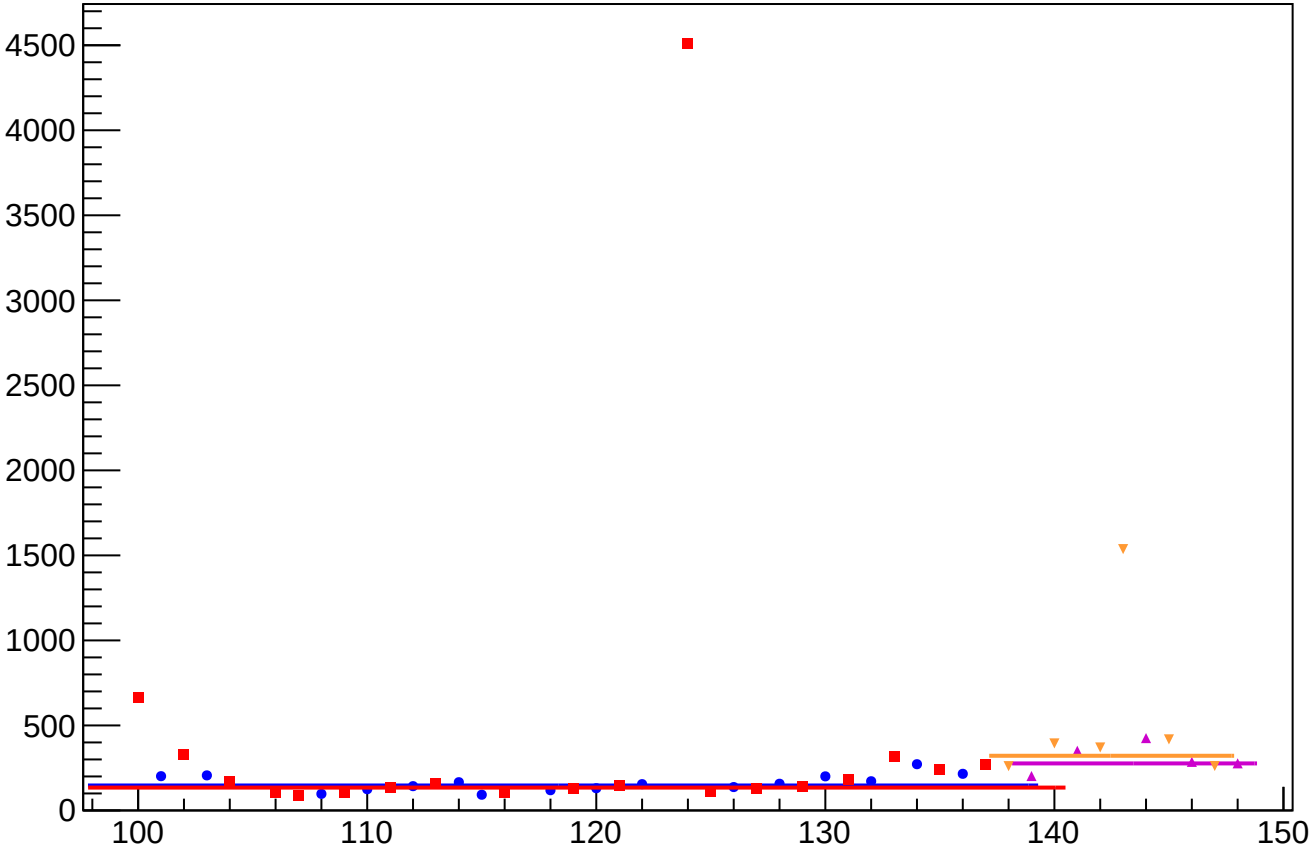
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

Left: 295.097+/-0.075 χ^2/NDF: 1933501.2/10

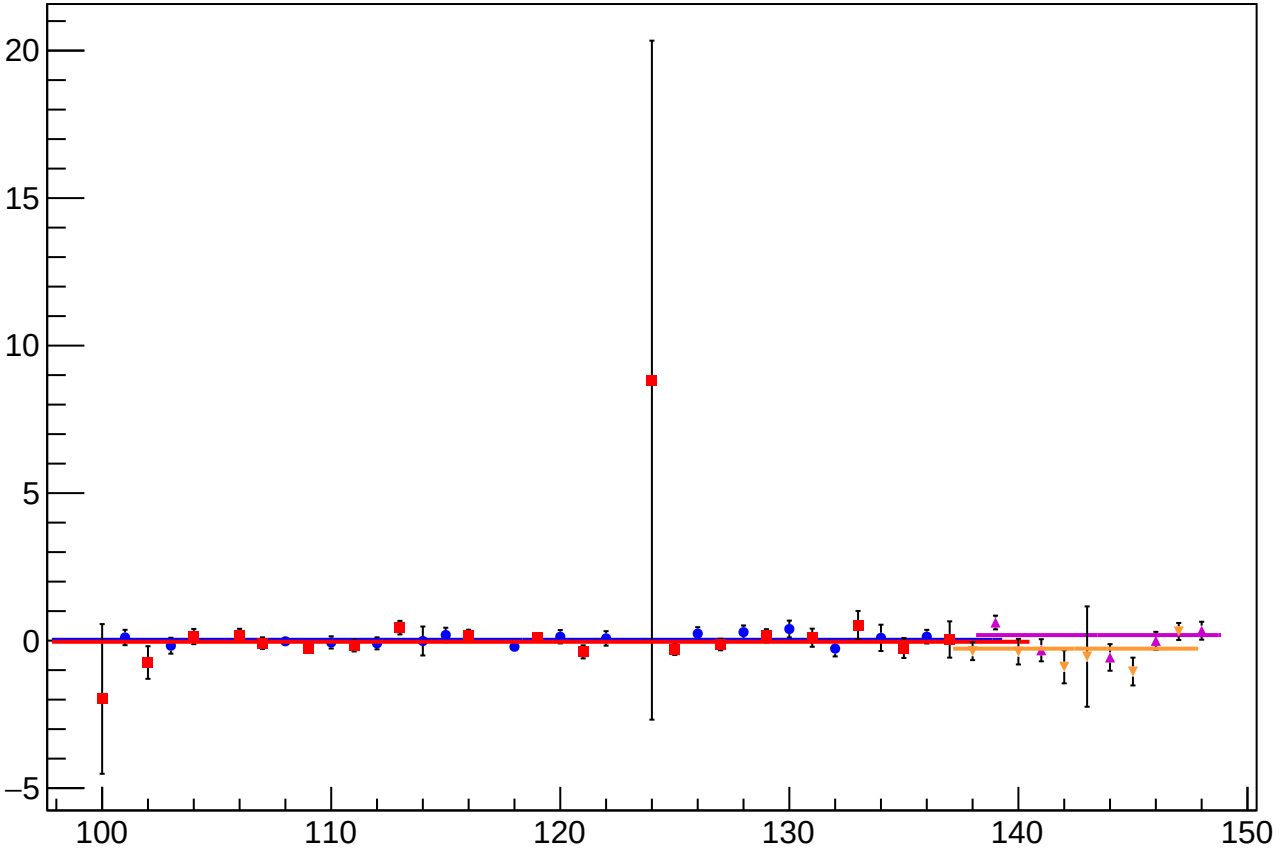
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

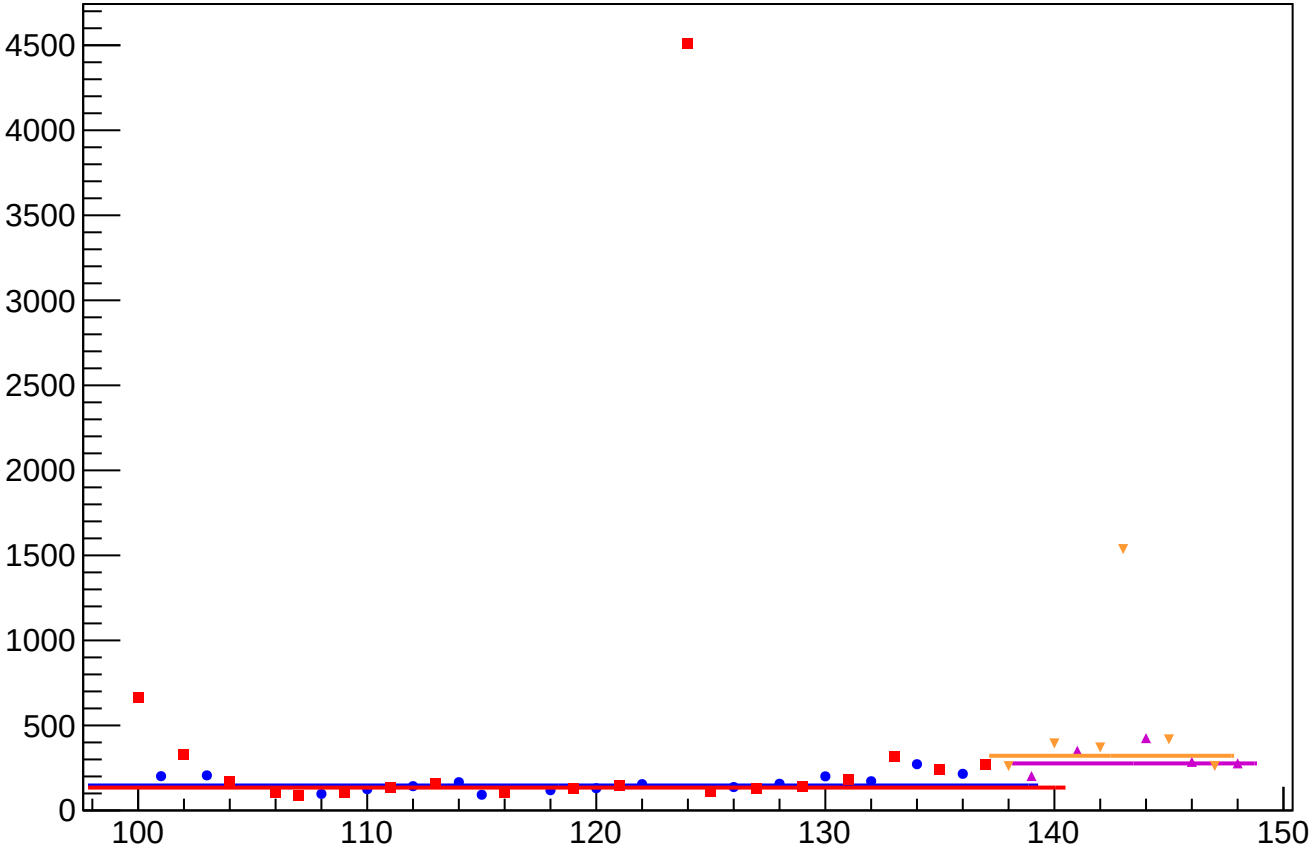
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

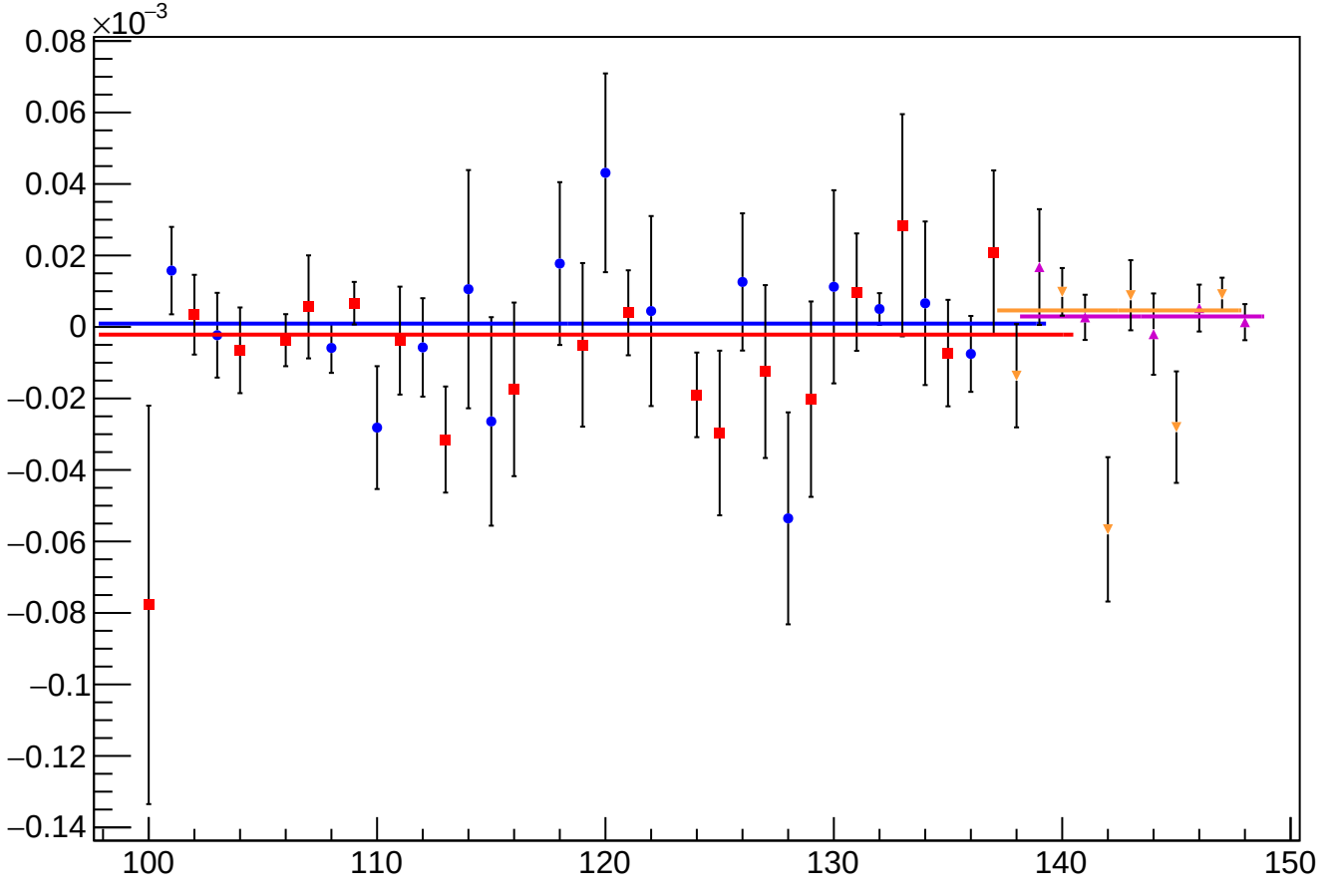
Left: 295.097+/-0.075 χ^2/NDF: 1933501.2/10

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

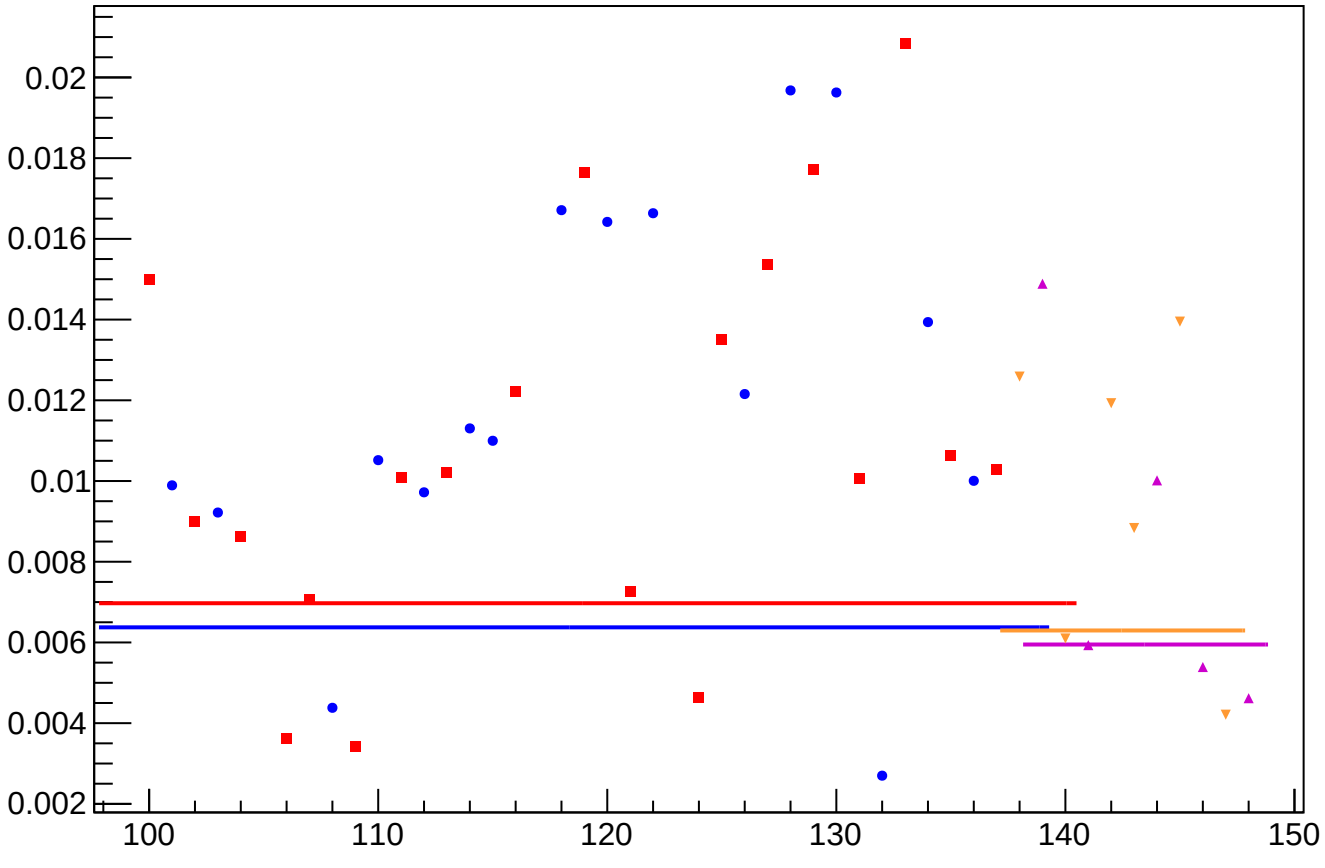
Left: 0.000+/-0.000 χ^2/NDF: 18.2/10

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/20

Out: 0.000+/-0.000 χ^2/NDF:35.3/24

All: 0.000+/-0.000 χ^2/NDF: 51.6/45



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

Left: 0.006+/-0.000 χ^2/NDF: 2587379.1/10

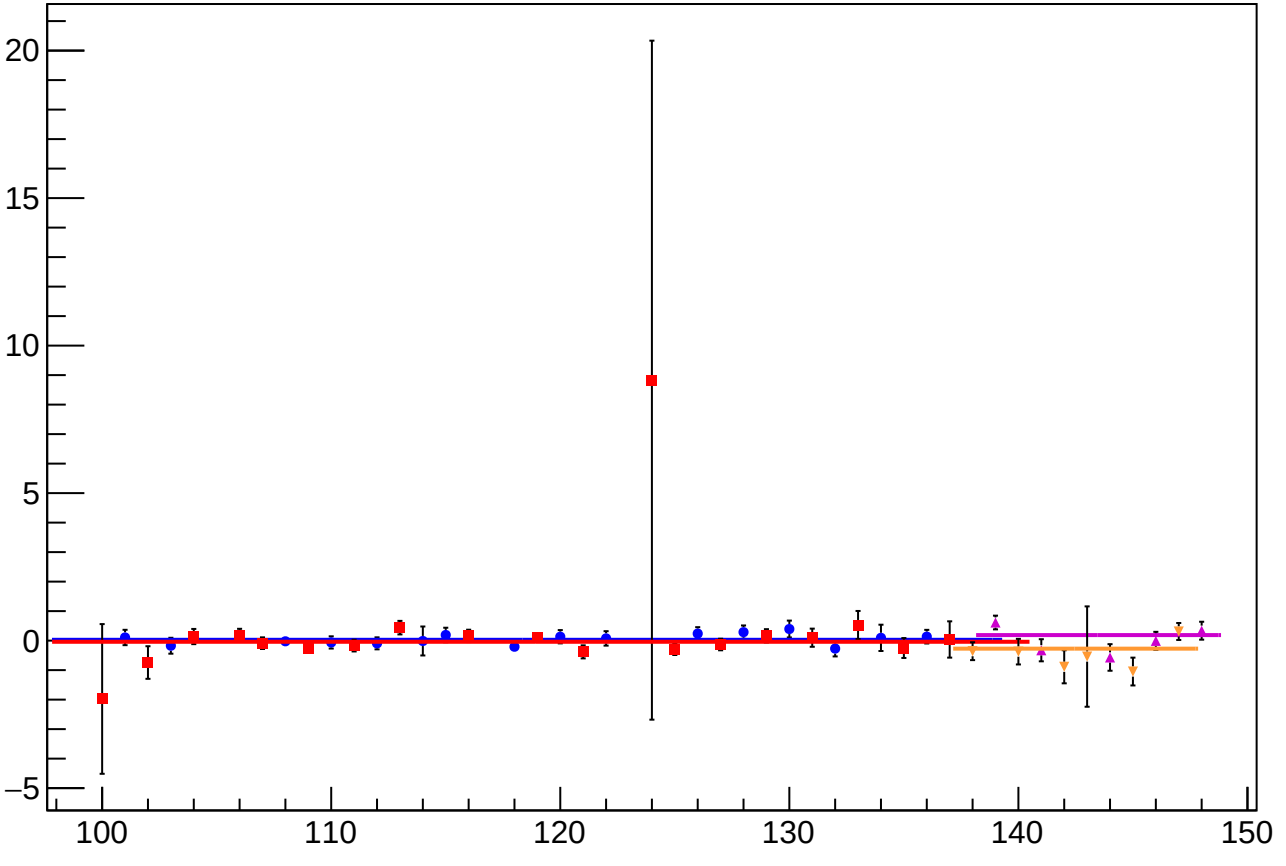
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5677353.4/20

Out: 0.007+/-0.000 χ^2/NDF:5013010.4/24

All: 0.006+/-0.000 χ^2/NDF: 10739816.7/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

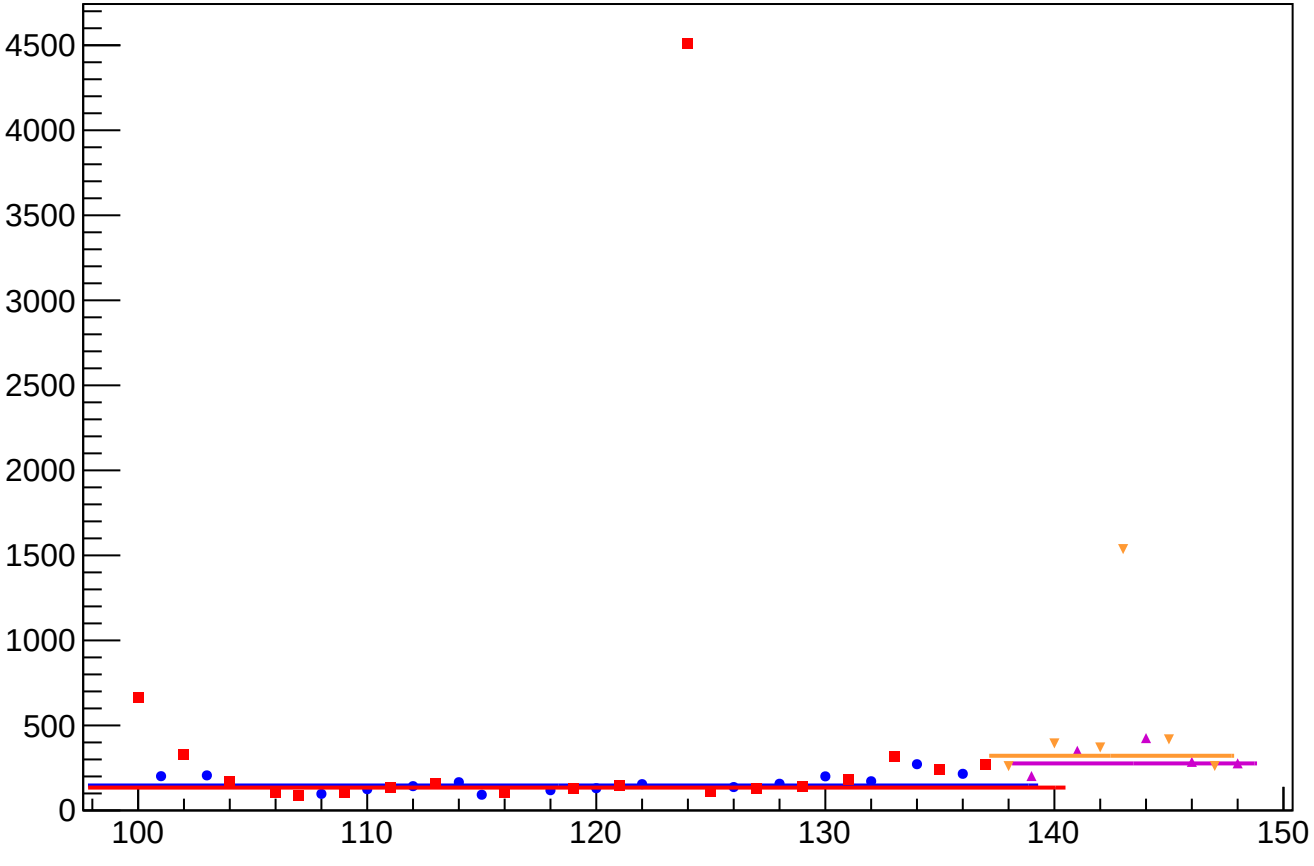
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

Left: 295.101+/-0.075 χ^2/NDF: 1933476.3/10

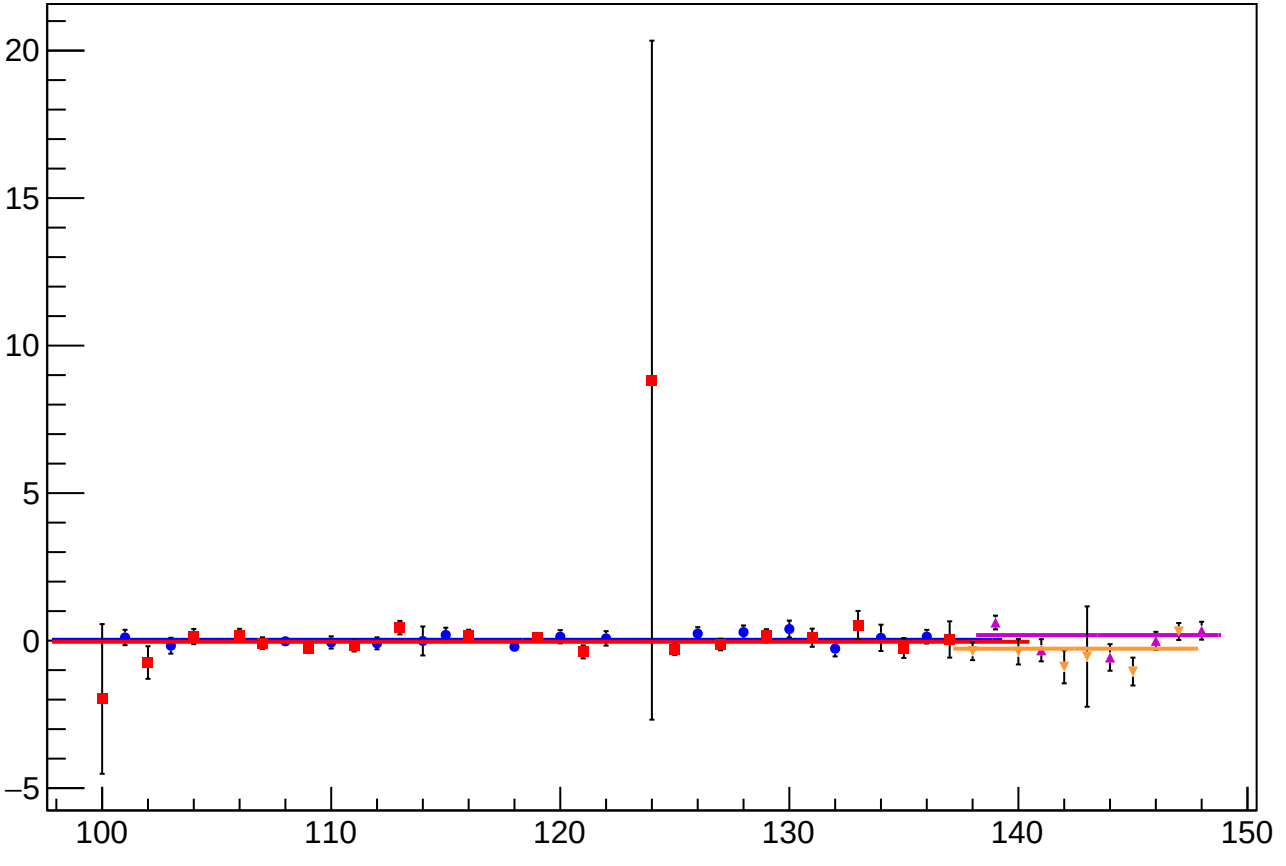
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

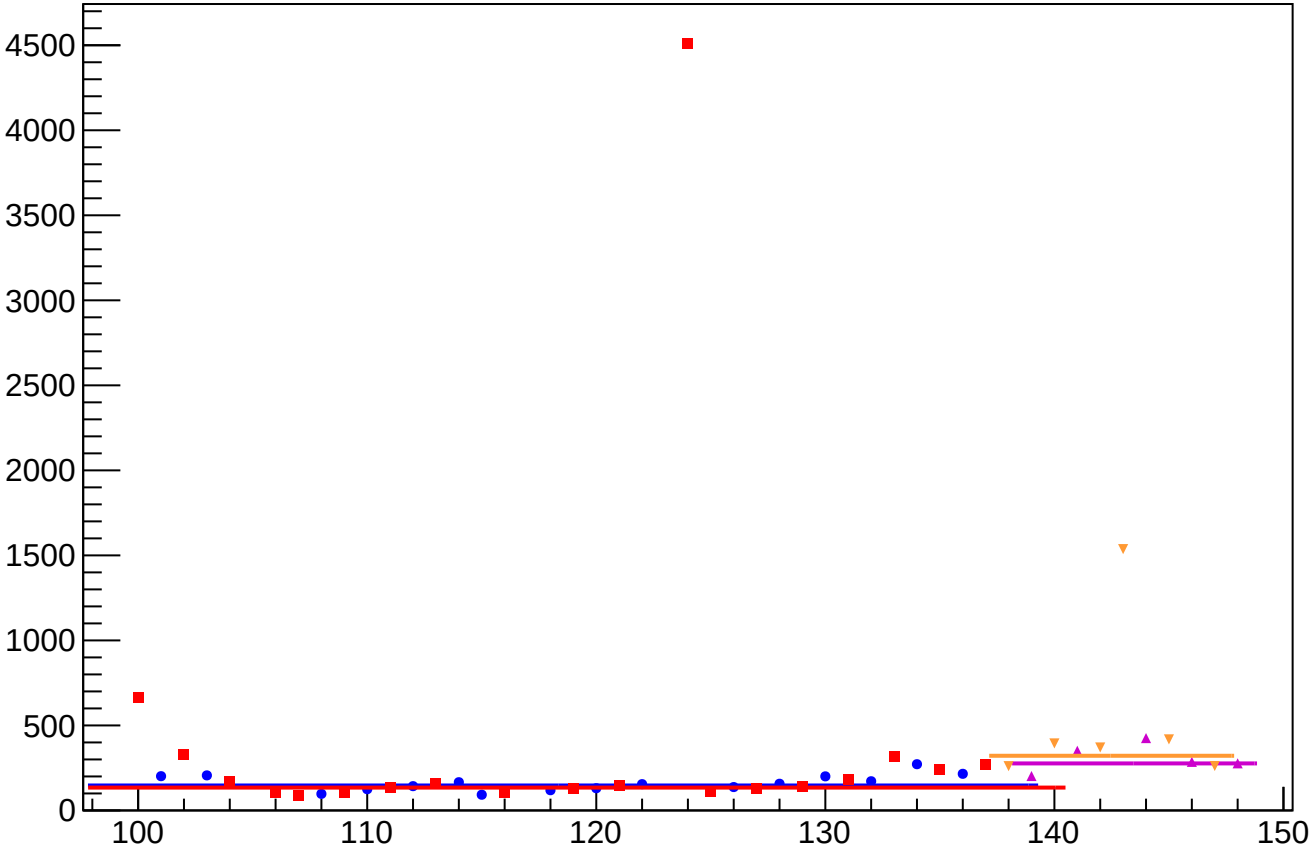
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

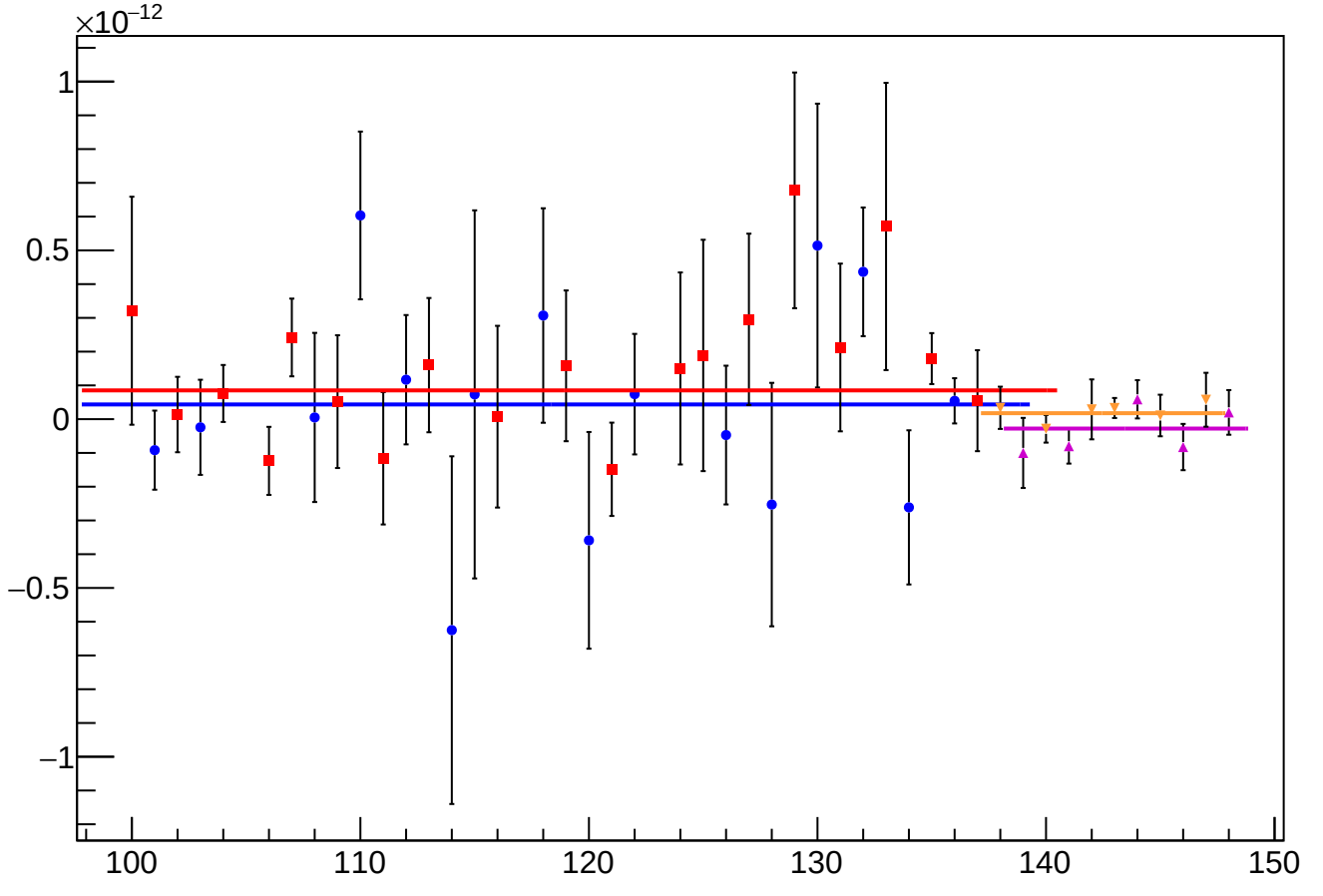
Left: 295.101+/-0.075 χ^2/NDF: 1933476.3/10

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

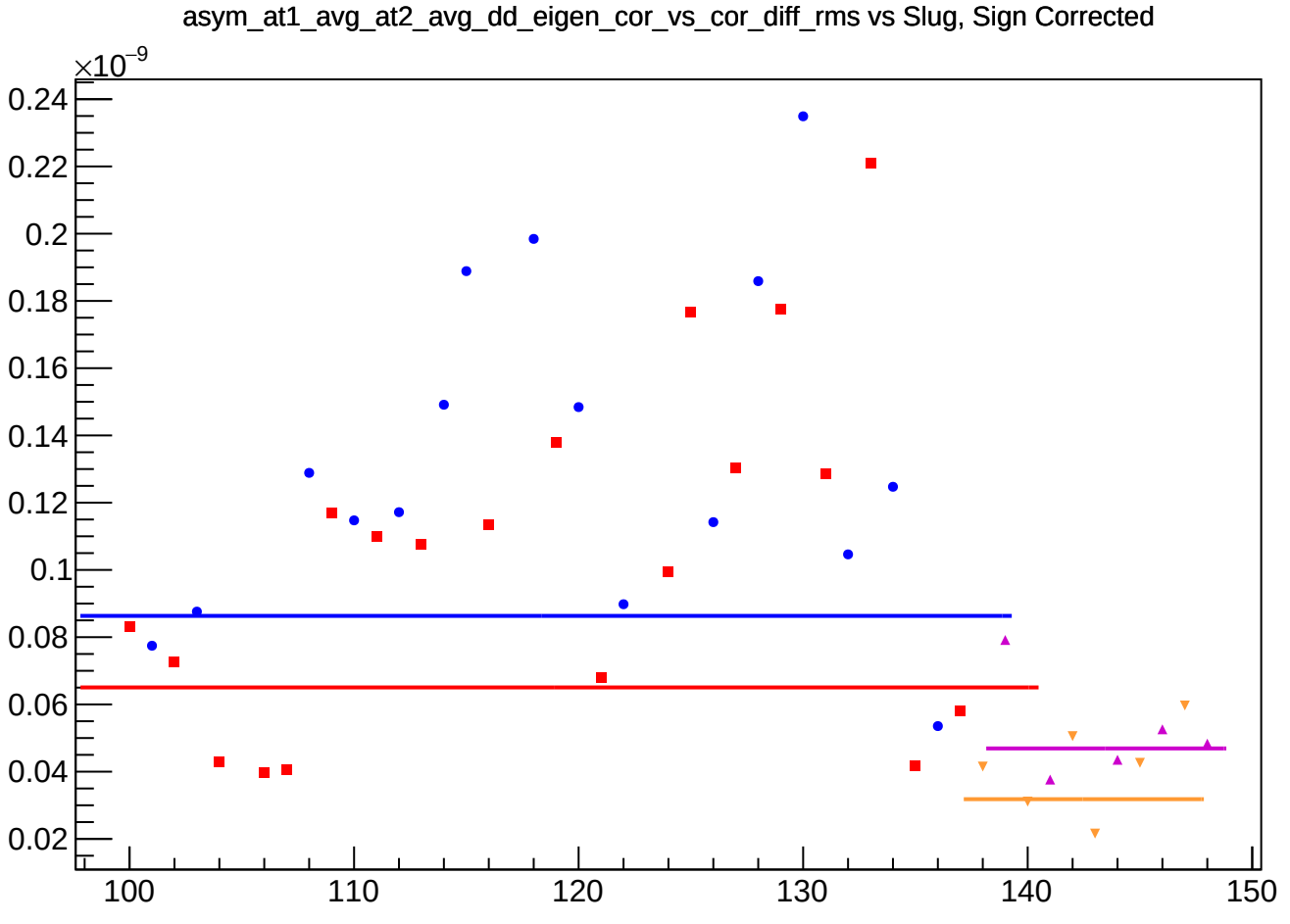
Left: 0.000+/-0.000 χ^2/NDF: 8.6/10

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

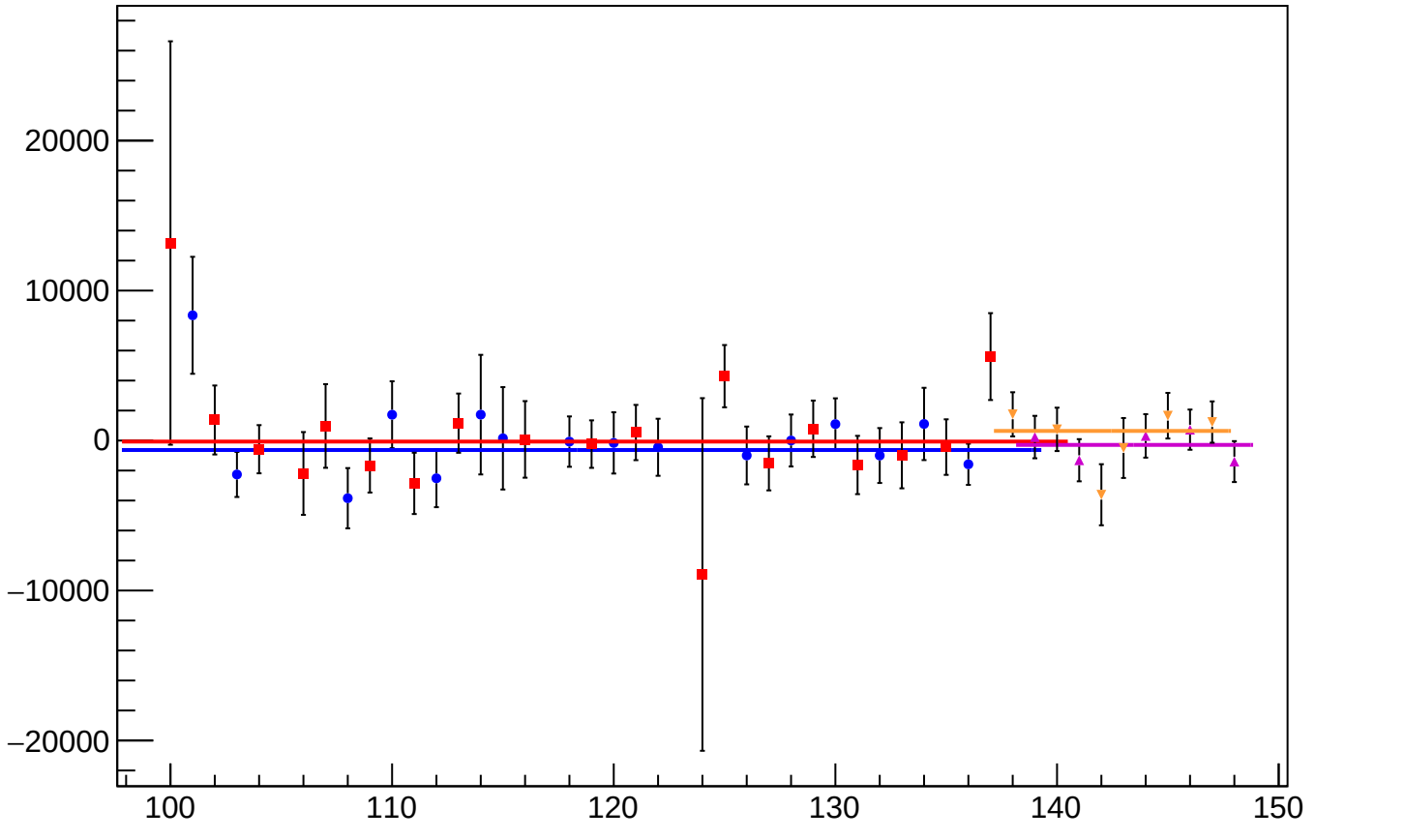
Left: 0.000+/-0.000 χ^2/NDF: 1336710.0/10

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3020389.7/20

Out: 0.000+/-0.000 χ^2/NDF:4251263.5/24

All: 0.000+/-0.000 χ^2/NDF: 8104455.7/45



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -290.048+/-623.108 χ^2/NDF:2.1/4

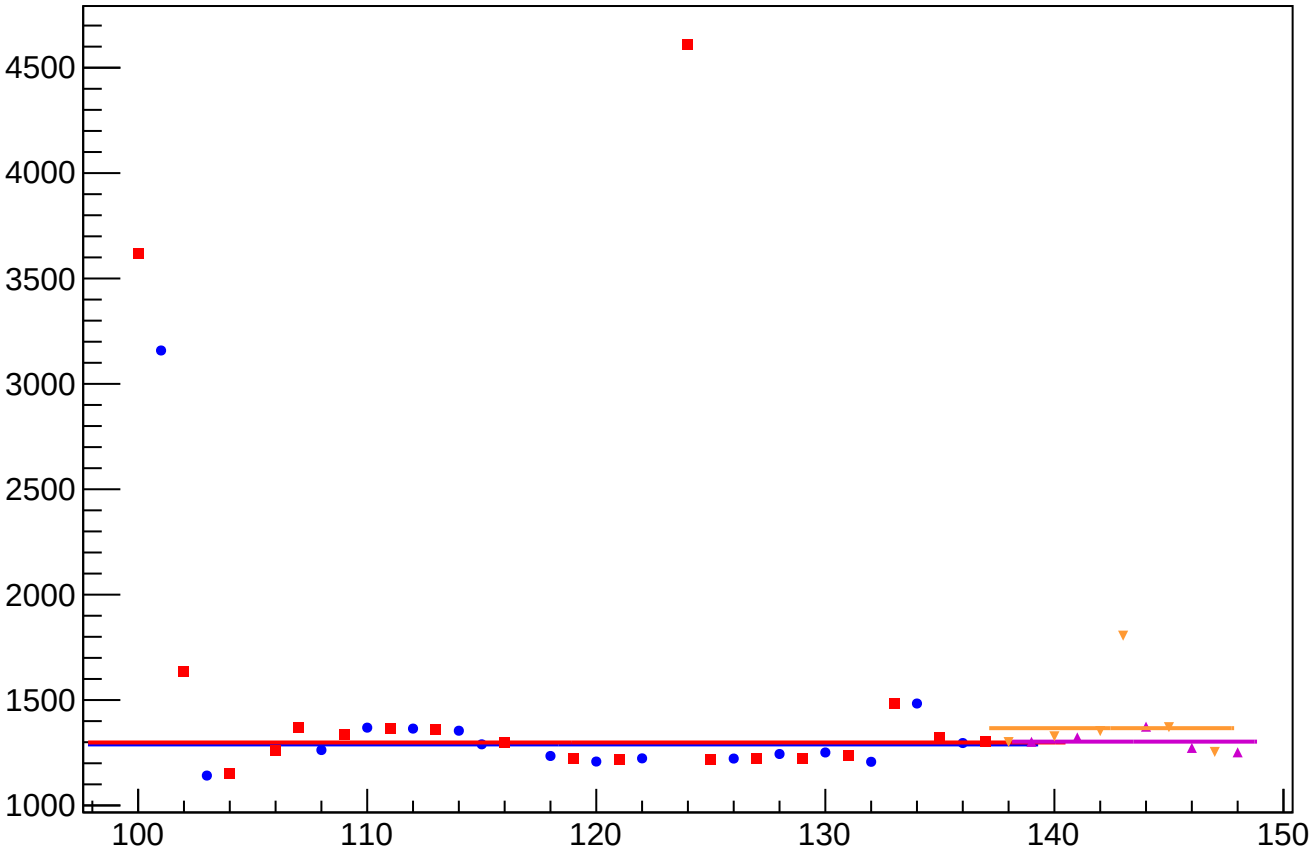
Left: 158.412+/-448.780 χ^2/NDF: 9.0/10

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -501.186+/-384.521 χ^2/NDF:16.2/20

Out: 189.488+/-389.461 χ^2/NDF:22.5/24

All: -160.257+/-273.627 χ^2/NDF: 40.3/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

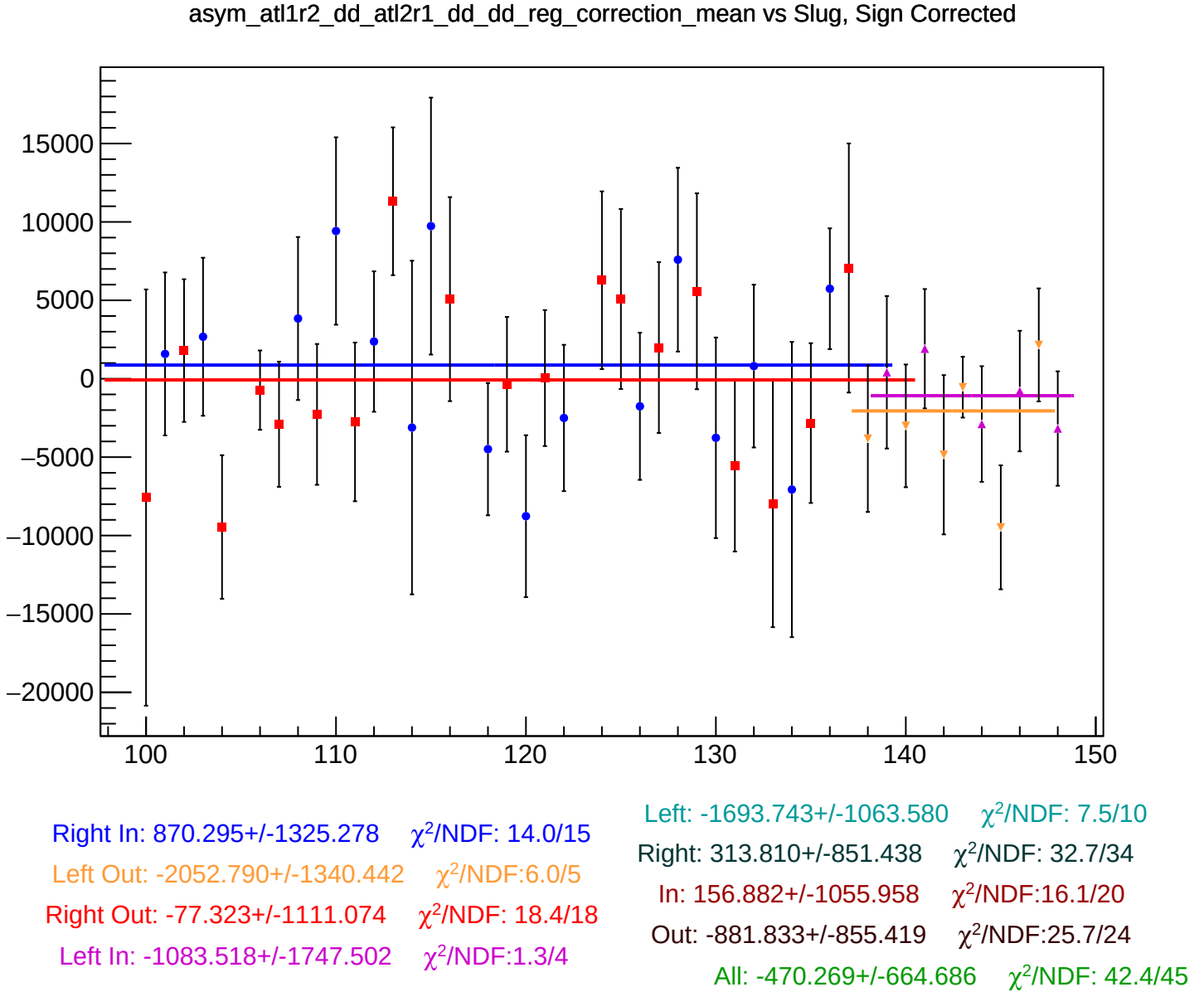
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

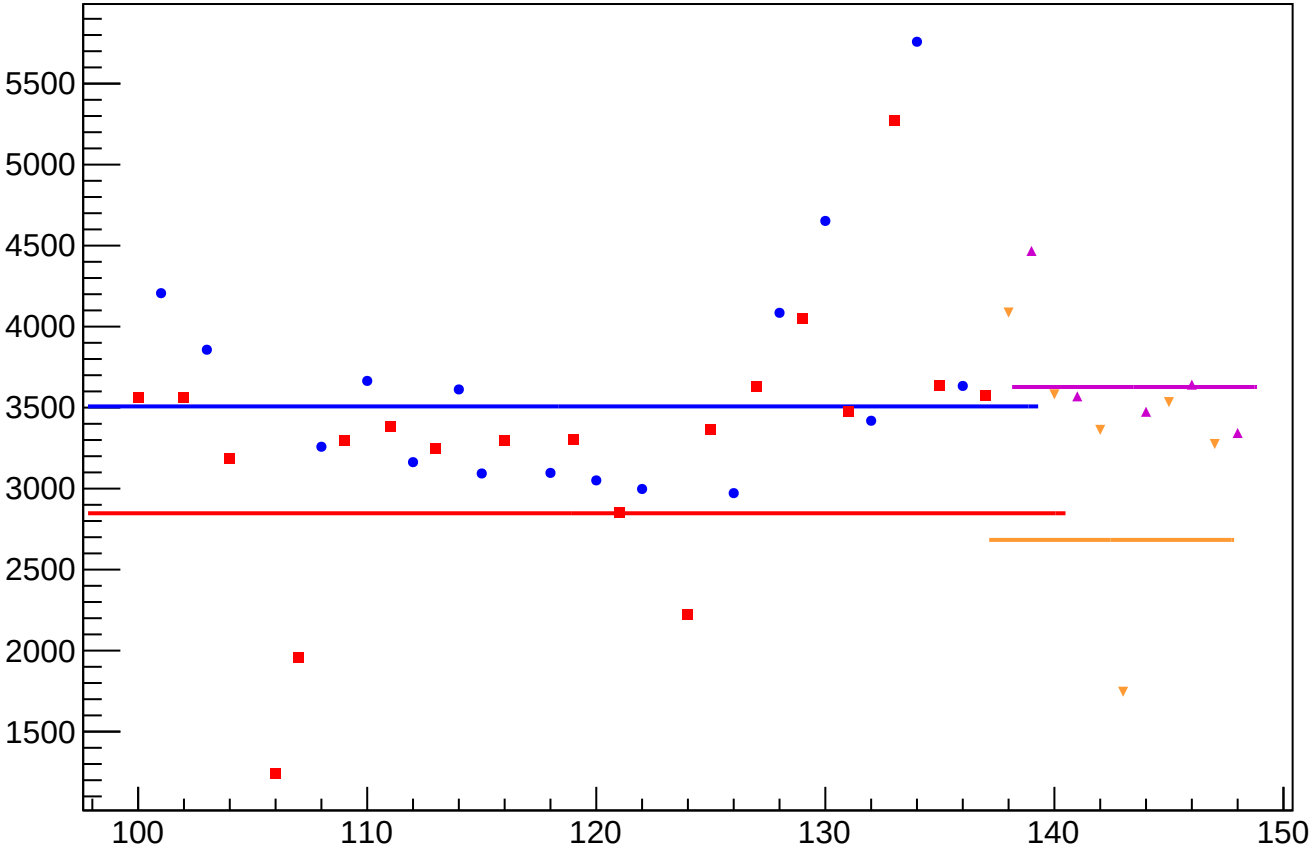
In: 1294.485+/-0.272 χ^2/NDF:524191.7/20

Out: 1323.195+/-0.275 χ^2/NDF:448850.6/24

All: 1308.681+/-0.193 χ^2/NDF: 978555.0/45


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -2052.790+/-1340.442 χ²/NDF:6.0/5
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1083.518+/-1747.502 χ²/NDF:1.3/4
Left: -1693.743+/-1063.580 χ²/NDF: 7.5/10
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 156.882+/-1055.958 χ²/NDF:16.1/20
Out: -881.833+/-855.419 χ²/NDF:25.7/24
All: -470.269+/-664.686 χ²/NDF: 42.4/45

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: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

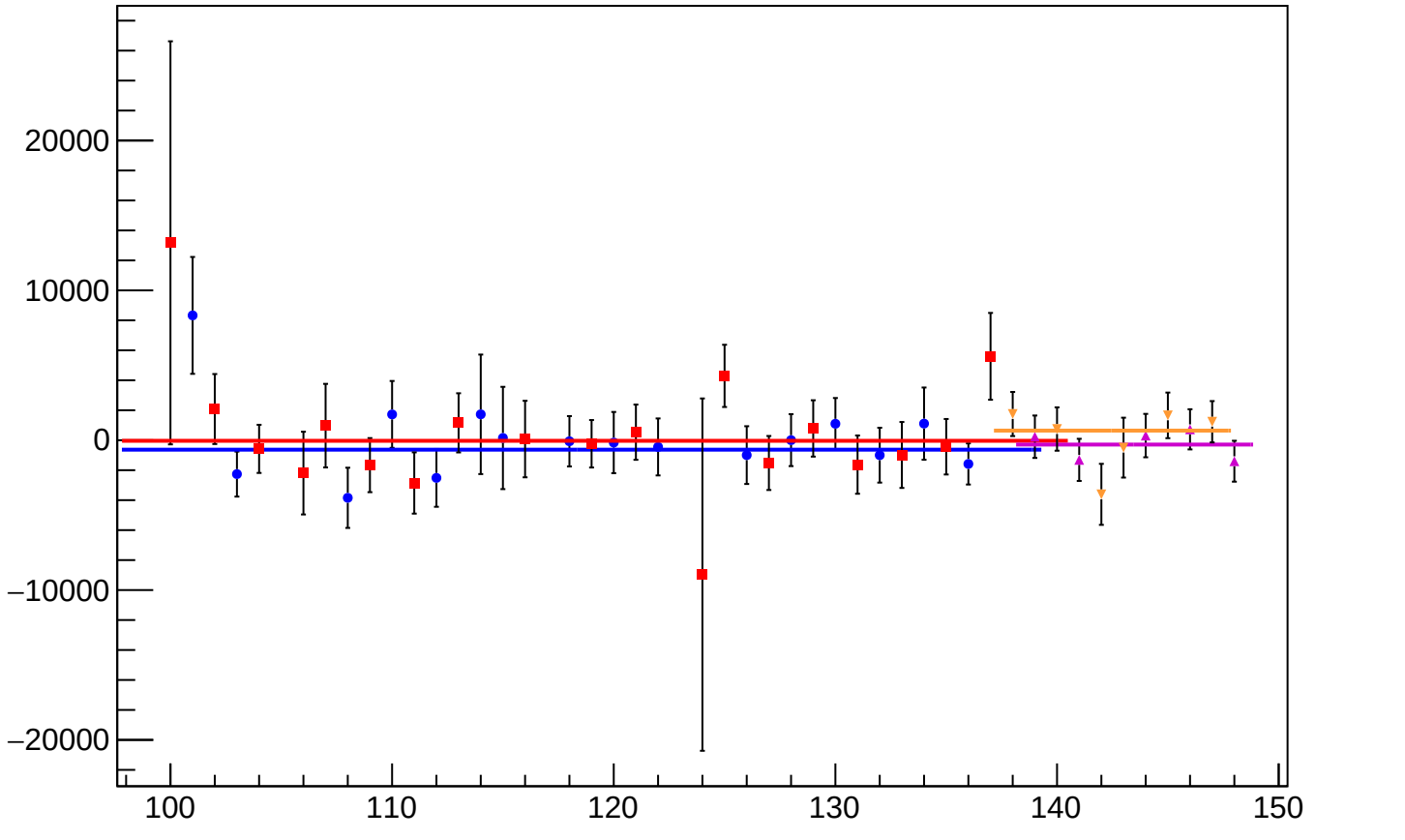
Left: 3033.044+/-0.752 χ^2/NDF: 1378064.4/10

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3551.174+/-0.747 χ^2/NDF:435659.9/20

Out: 2780.868+/-0.605 χ^2/NDF:2452222.0/24

All: 3086.081+/-0.470 χ^2/NDF: 3530481.8/45



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

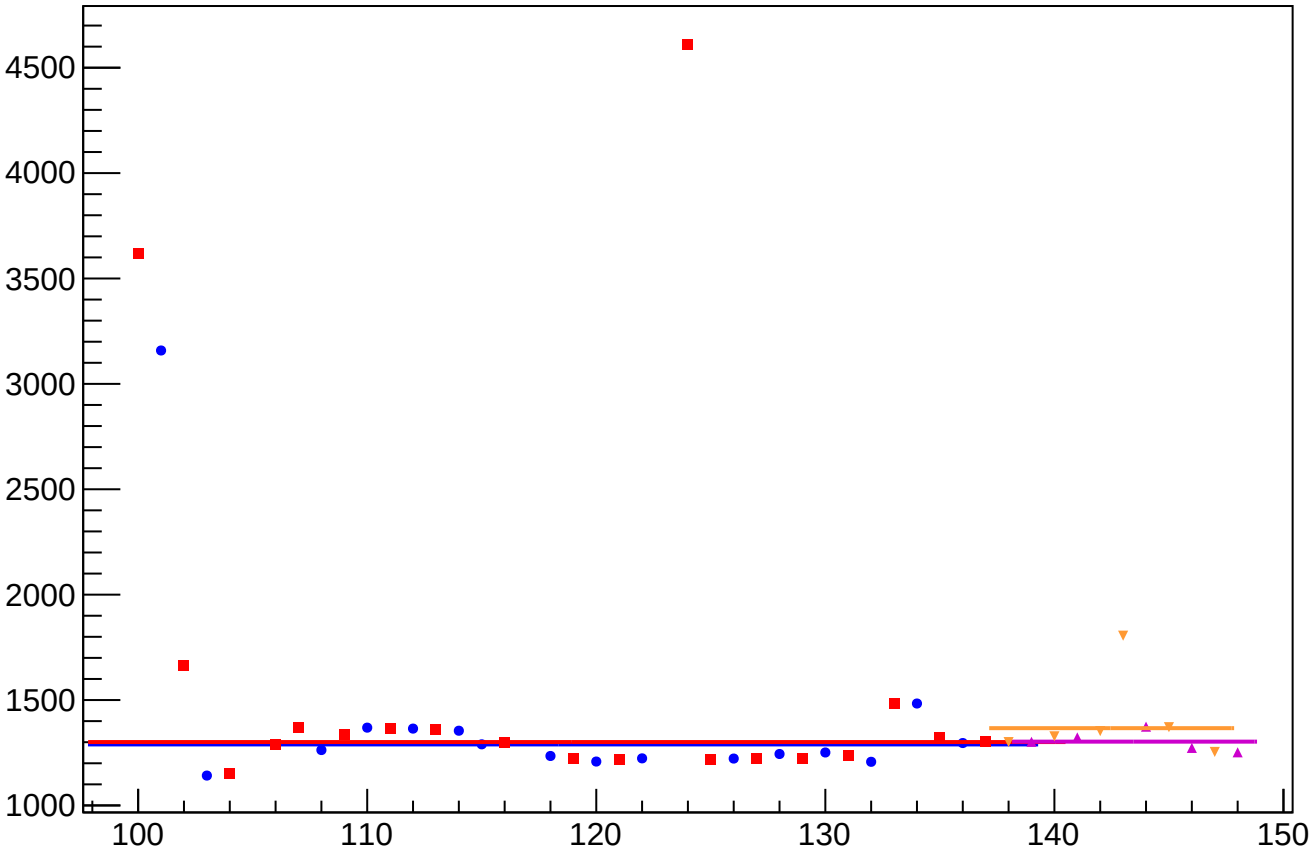
Left: 158.352+/-448.780 χ^2/NDF: 9.0/10

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -151.315+/-273.684 χ^2/NDF: 40.7/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

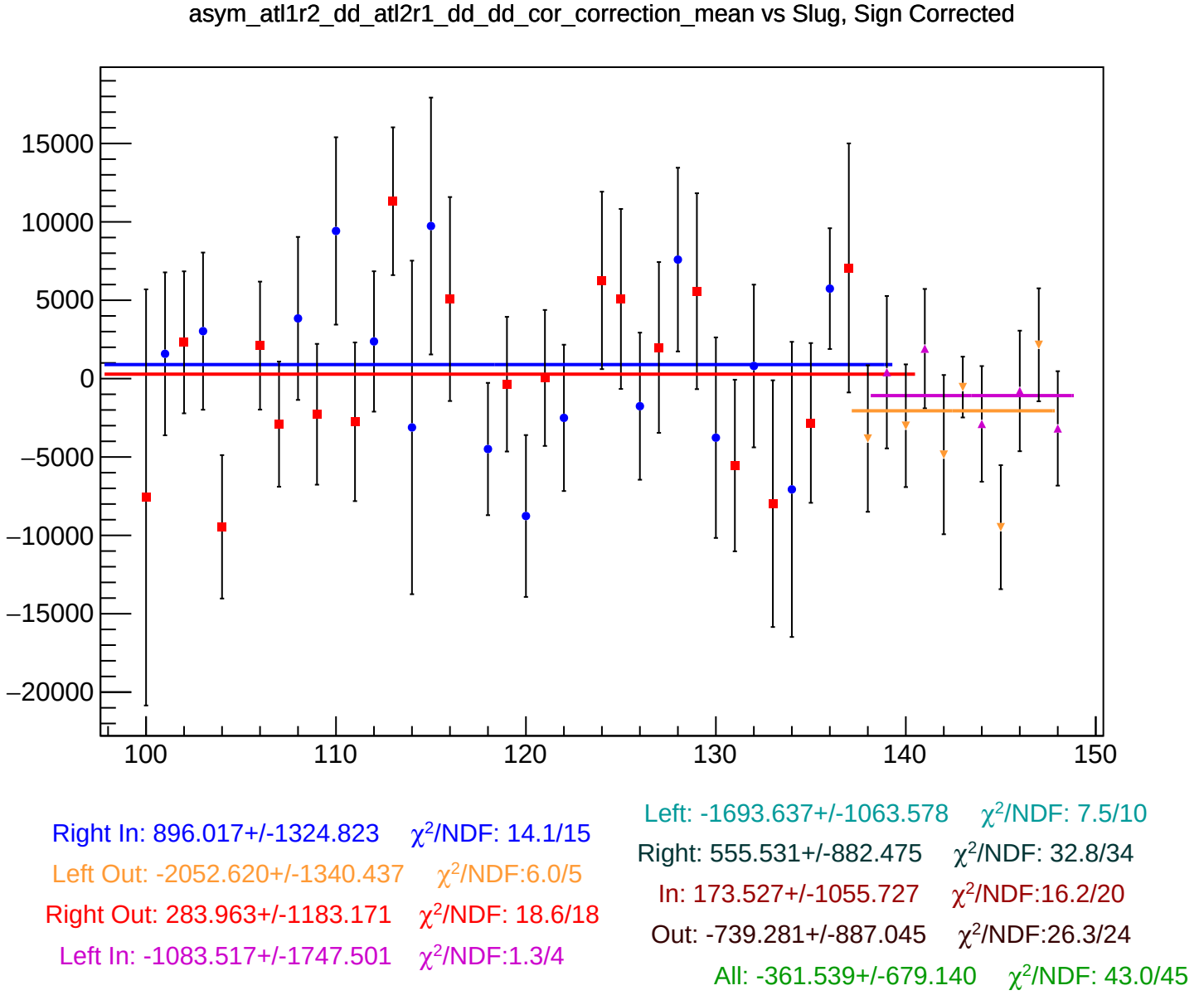
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

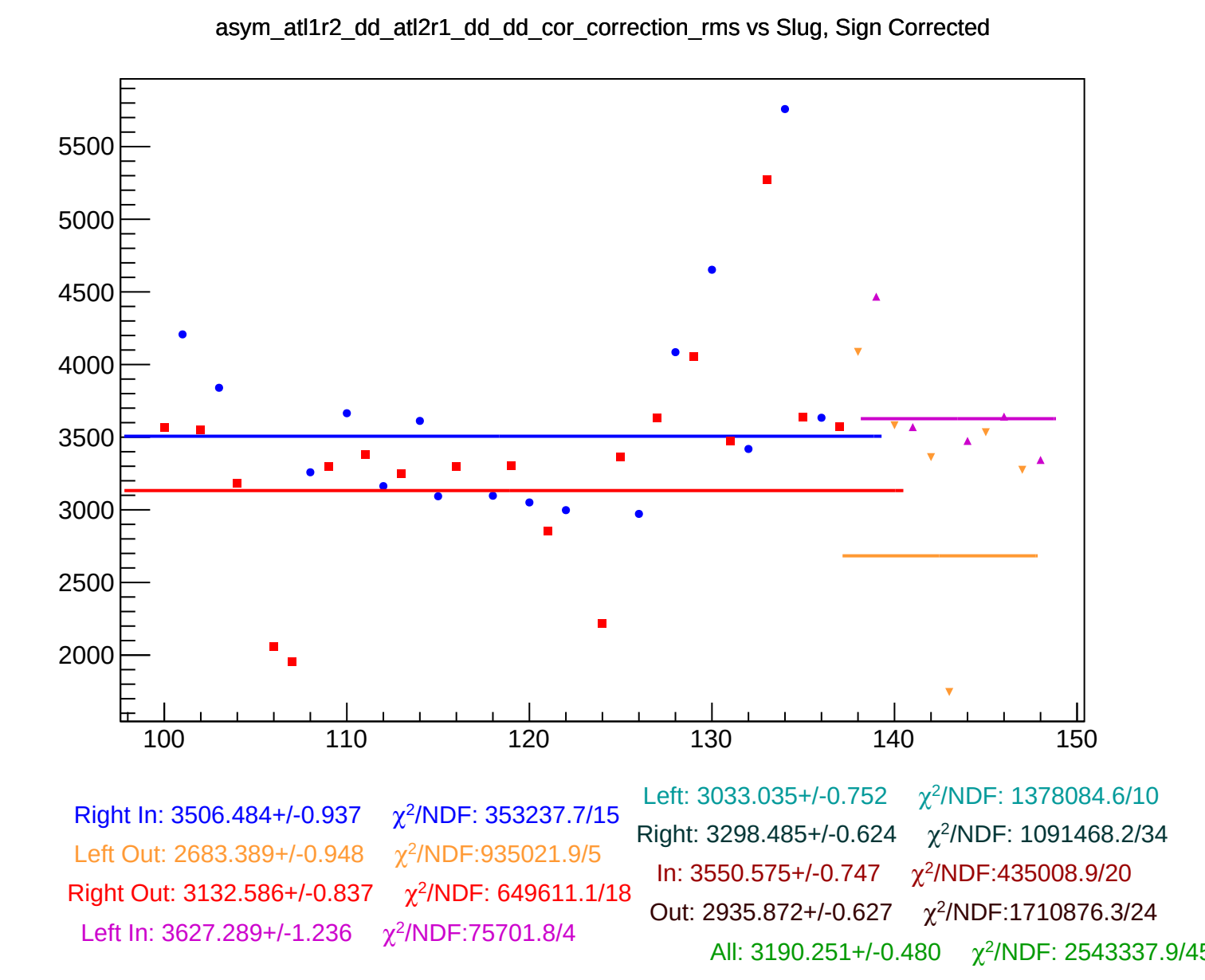
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

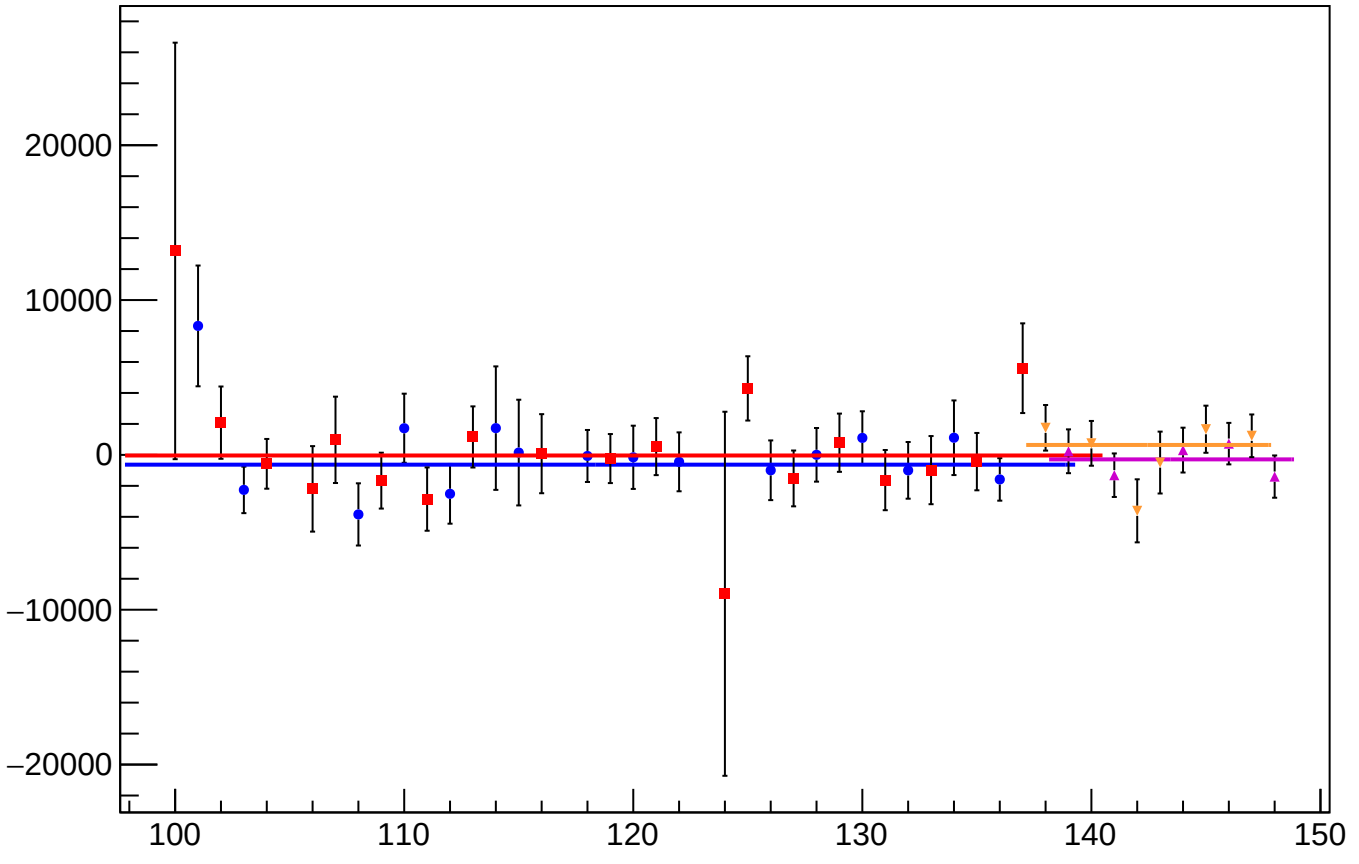
In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1693.637+/-1063.578 χ²/NDF: 7.5/10
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -361.539+/-679.140 χ²/NDF: 43.0/45


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 2683.389+/-0.948 χ²/NDF:935021.9/5
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 3627.289+/-1.236 χ²/NDF:75701.8/4
Left: 3033.035+/-0.752 χ²/NDF: 1378084.6/10
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3550.575+/-0.747 χ²/NDF:435008.9/20
Out: 2935.872+/-0.627 χ²/NDF:1710876.3/24
All: 3190.251+/-0.480 χ²/NDF: 2543337.9/45



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

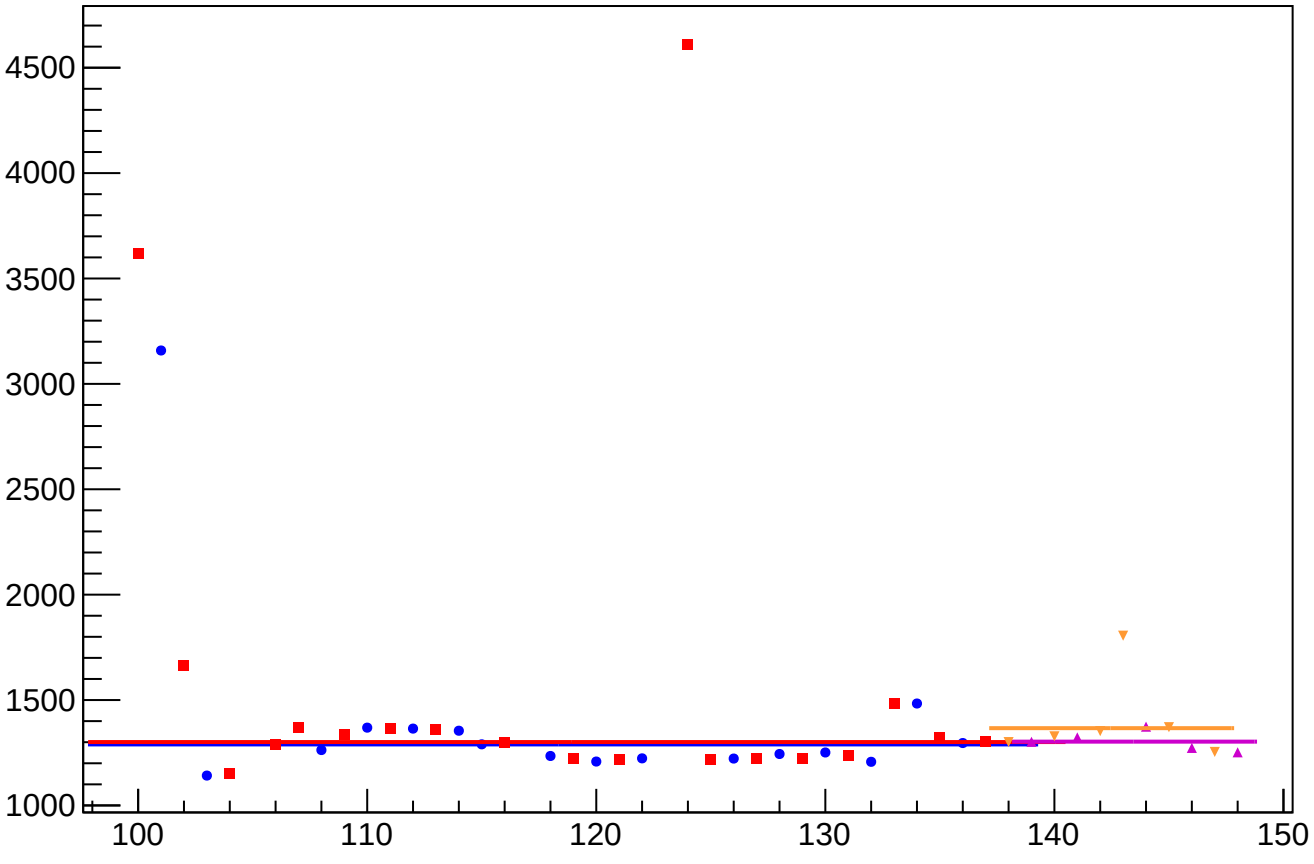
Left: 158.352+/-448.780 χ^2/NDF: 9.0/10

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -151.315+/-273.684 χ^2/NDF: 40.7/45



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

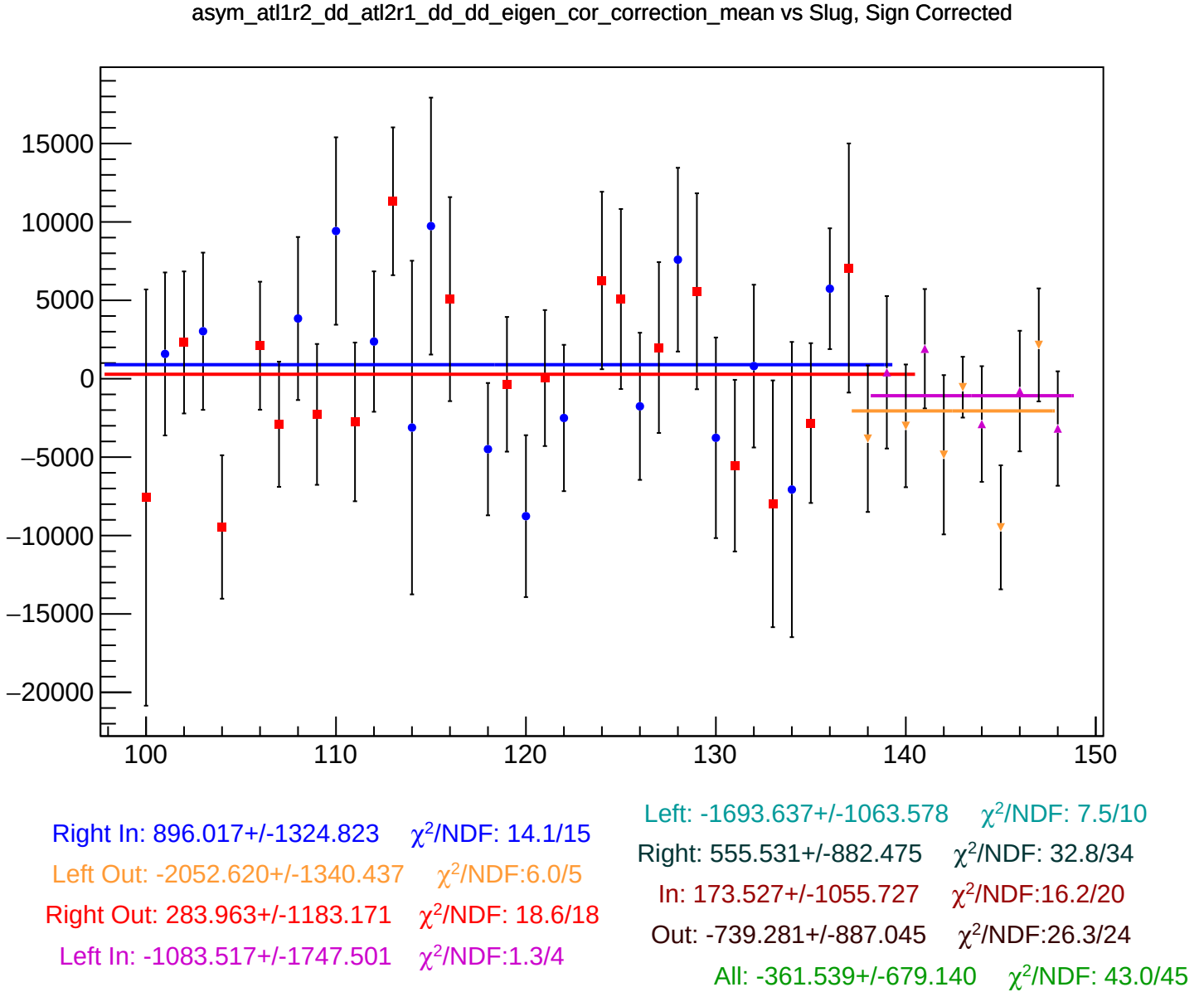
Left: 1333.419+/-0.317 χ^2/NDF: 134486.5/10

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

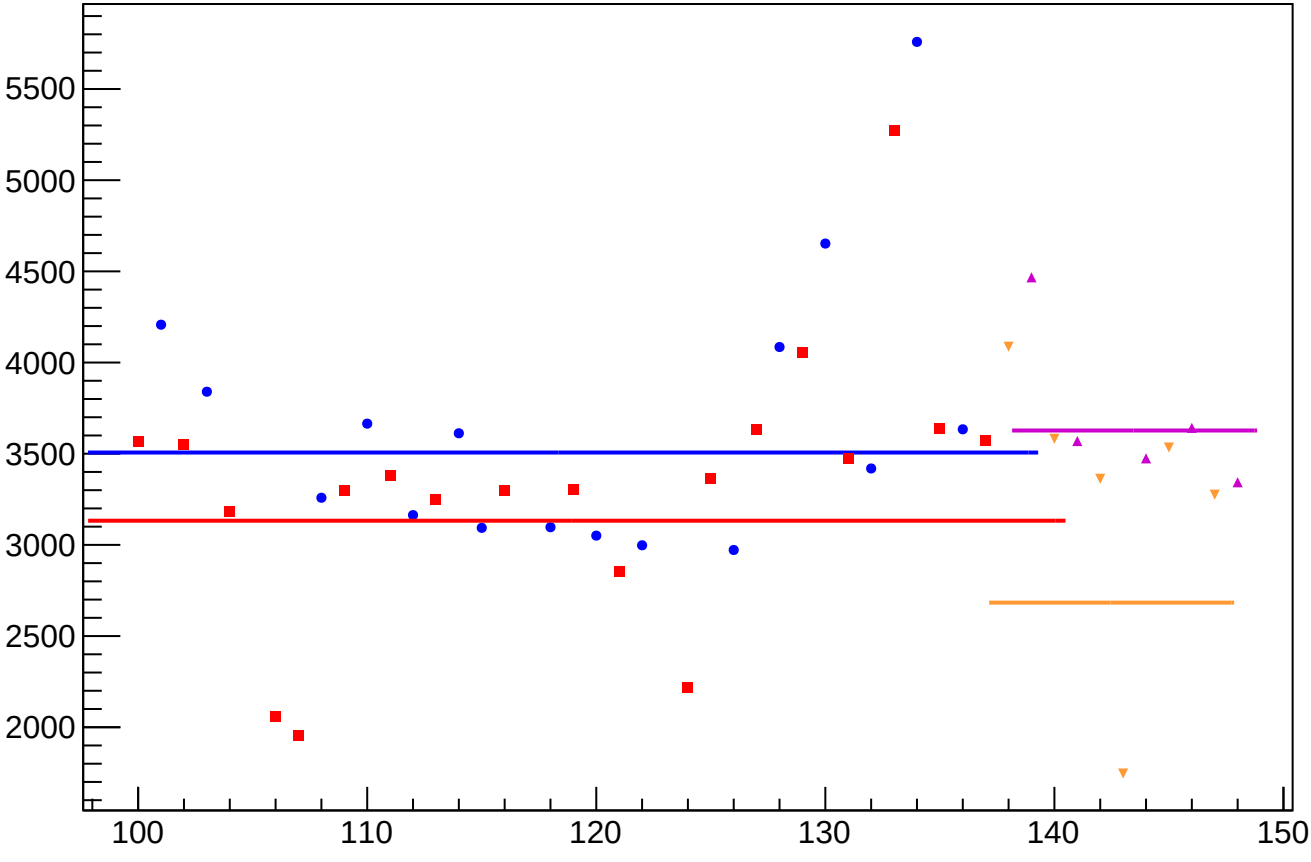
In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1309.329+/-0.193 χ^2/NDF: 984767.6/45


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1693.637+/-1063.578 χ²/NDF: 7.5/10
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -361.539+/-679.140 χ²/NDF: 43.0/45

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

Left: 3033.035+/-0.752 χ^2/NDF: 1378084.6/10

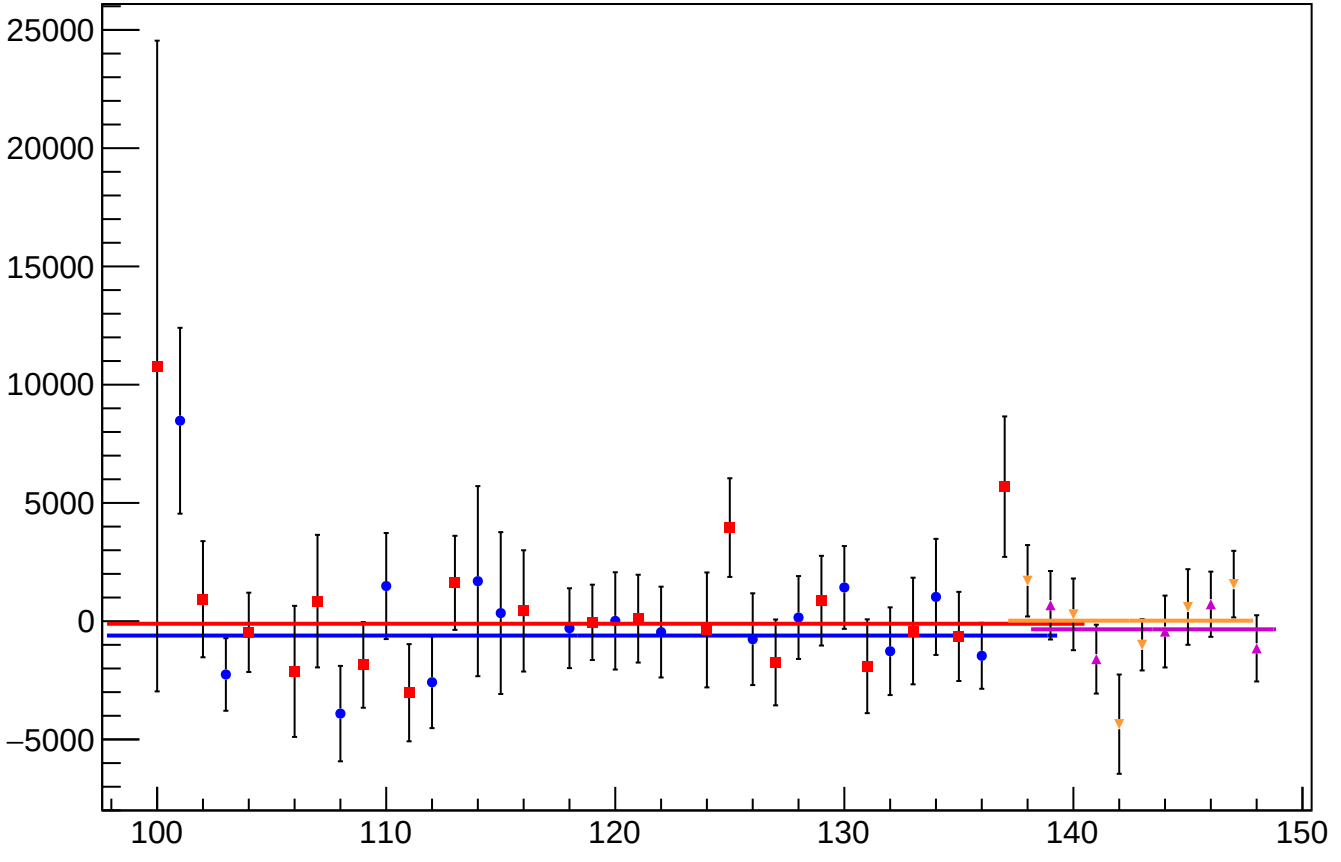
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3190.251+/-0.480 χ^2/NDF: 2543337.9/45

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -344.307+/-643.028 χ^2/NDF:2.2/4

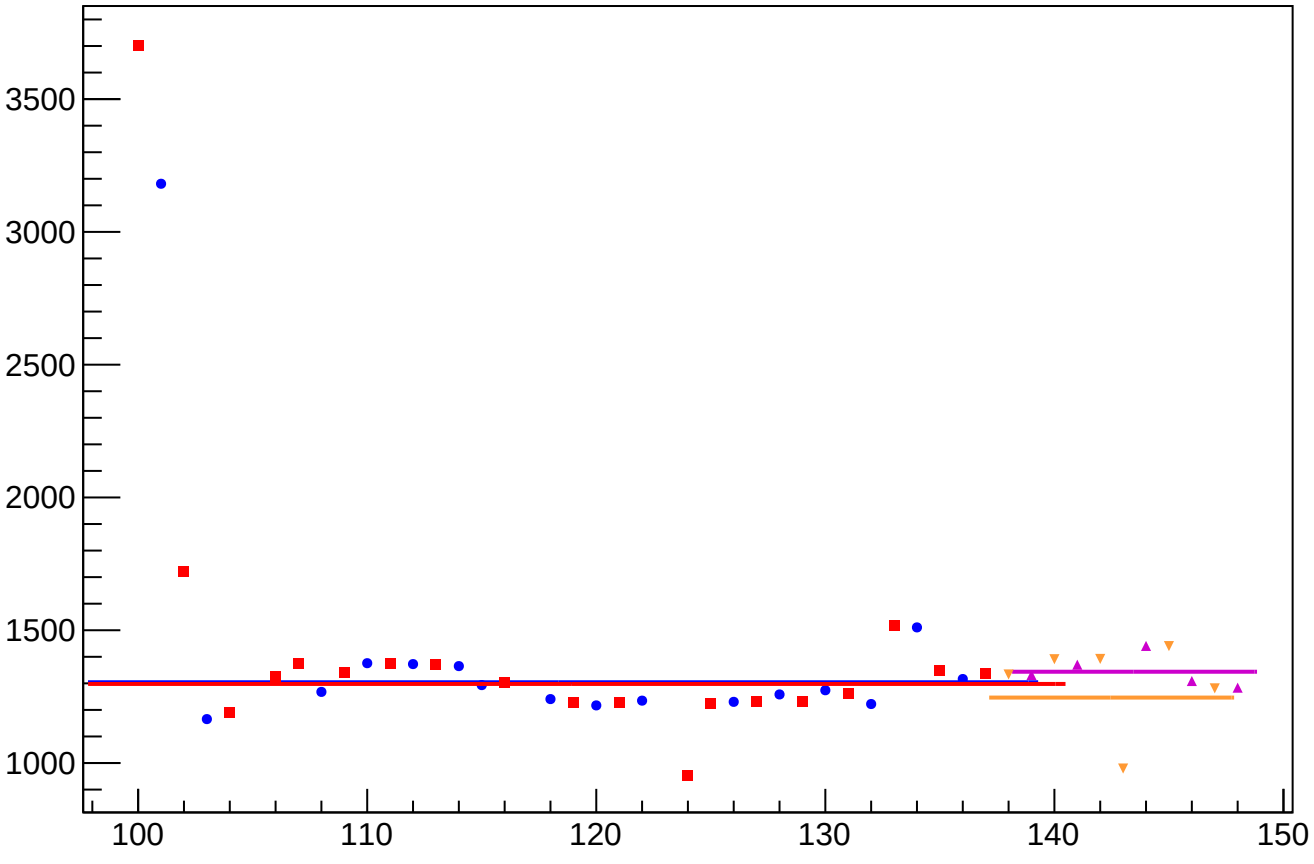
Left: -146.472+/-435.756 χ^2/NDF: 10.2/10

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -509.980+/-391.834 χ^2/NDF:16.4/20

Out: -56.334+/-375.571 χ^2/NDF:22.7/24

All: -273.547+/-271.136 χ^2/NDF: 39.8/45



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

Left: 1291.140+/-0.308 χ^2/NDF: 225281.5/10

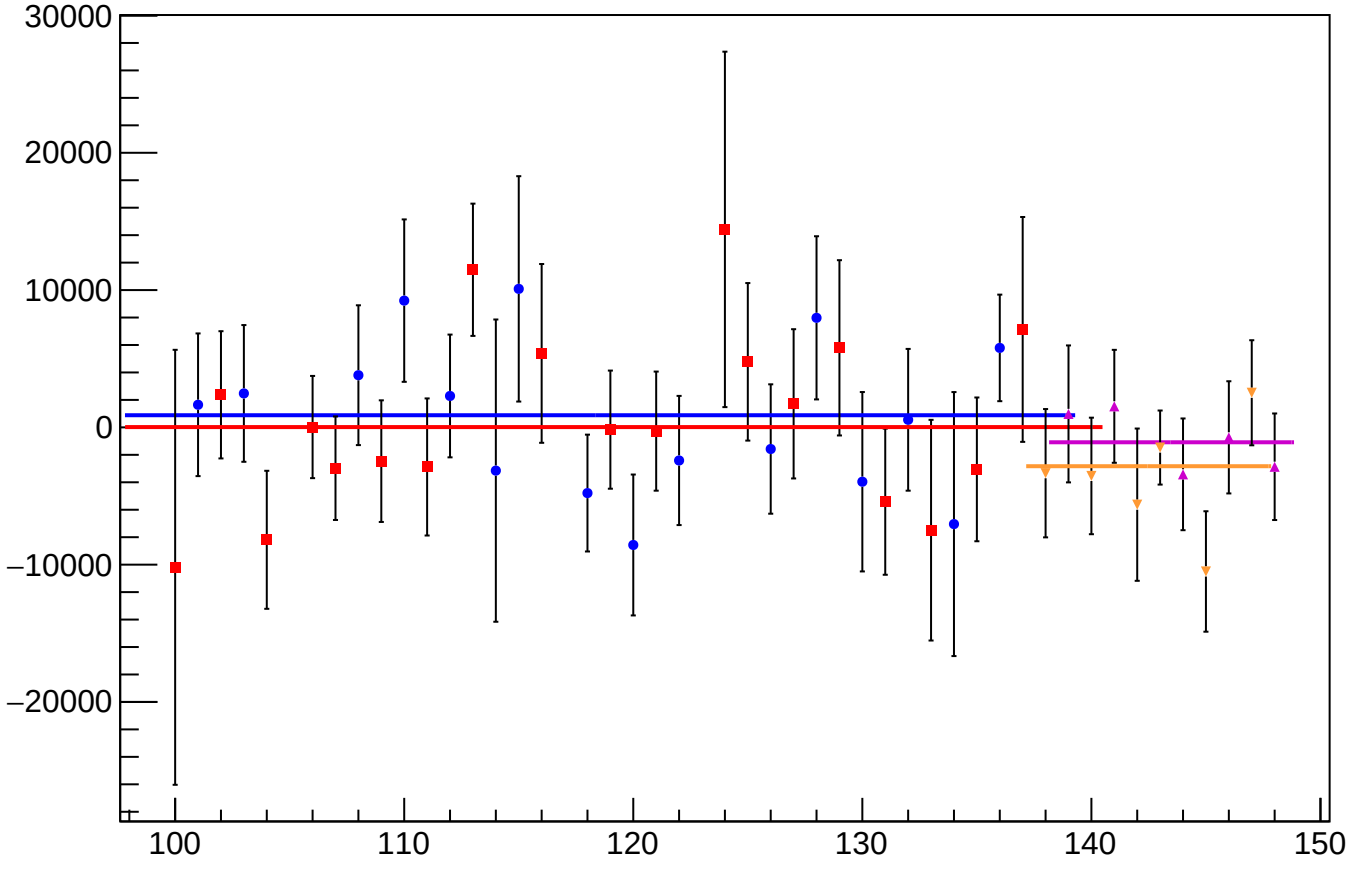
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1318.823+/-0.277 χ^2/NDF:529327.6/20

Out: 1277.195+/-0.265 χ^2/NDF:408649.6/24

All: 1297.118+/-0.192 χ^2/NDF: 949747.6/45

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: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1086.069+/-1869.912 χ^2/NDF:1.1/4

Left: -2093.540+/-1214.915 χ^2/NDF: 7.2/10

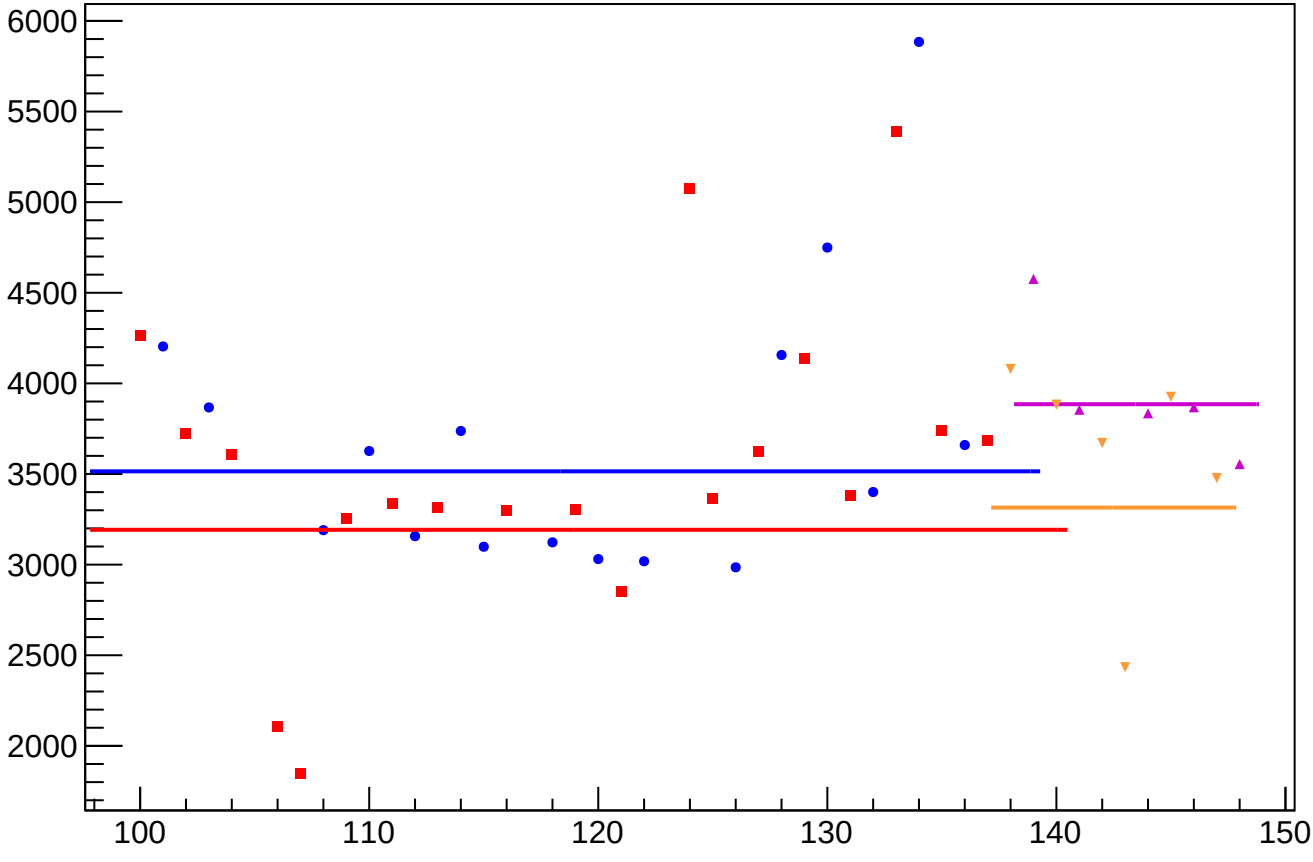
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 223.927+/-1082.404 χ^2/NDF:16.0/20

Out: -1006.876+/-959.619 χ^2/NDF:24.4/24

All: -465.215+/-718.057 χ^2/NDF: 41.1/45

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3314.764+/-1.130 χ^2/NDF:353402.5/5

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

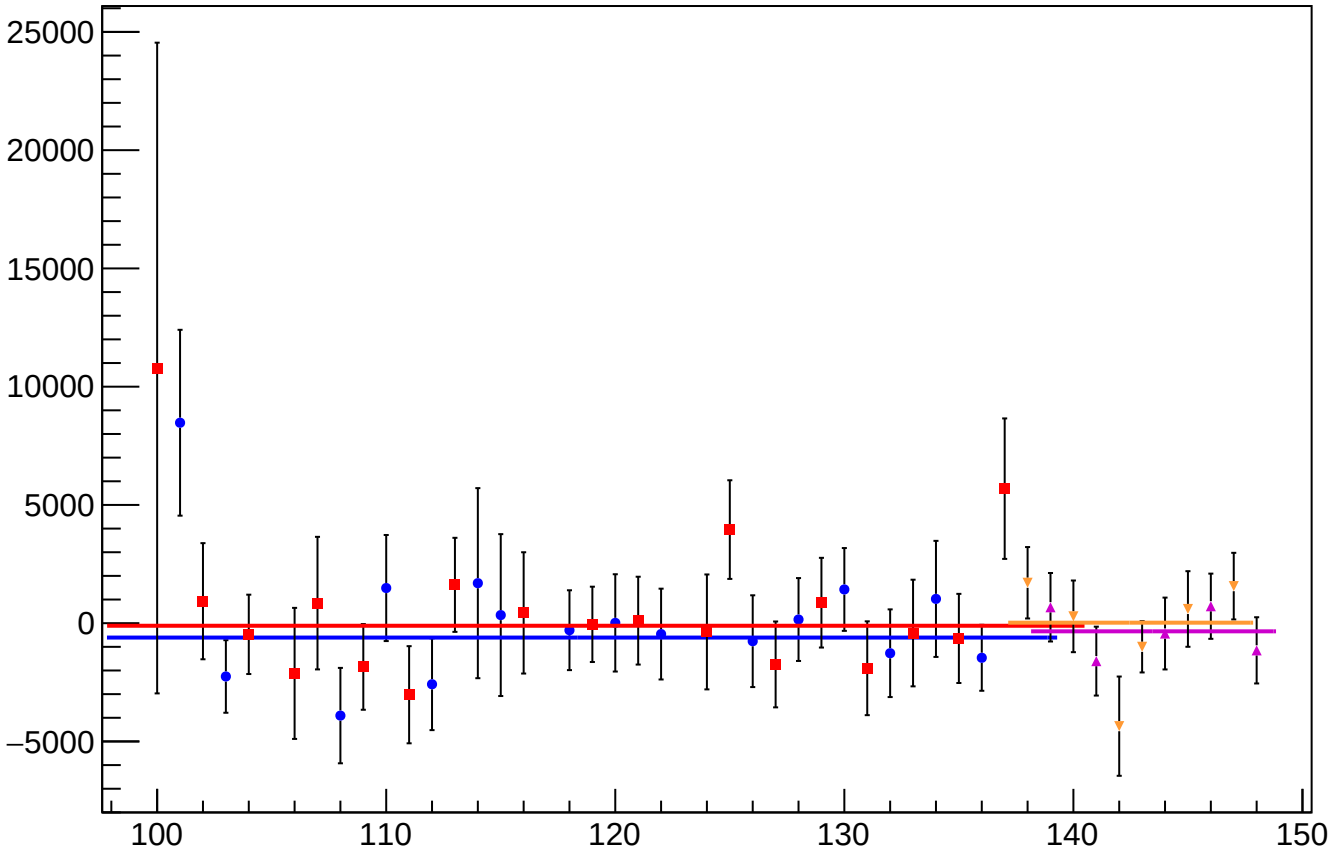
Left: 3555.563+/-0.859 χ^2/NDF: 514316.7/10

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3638.874+/-0.765 χ^2/NDF:480633.7/20

Out: 3236.389+/-0.679 χ^2/NDF:1133419.4/24

All: 3413.518+/-0.508 χ^2/NDF: 1768888.1/45



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -344.306+/-643.029 χ^2/NDF:2.2/4

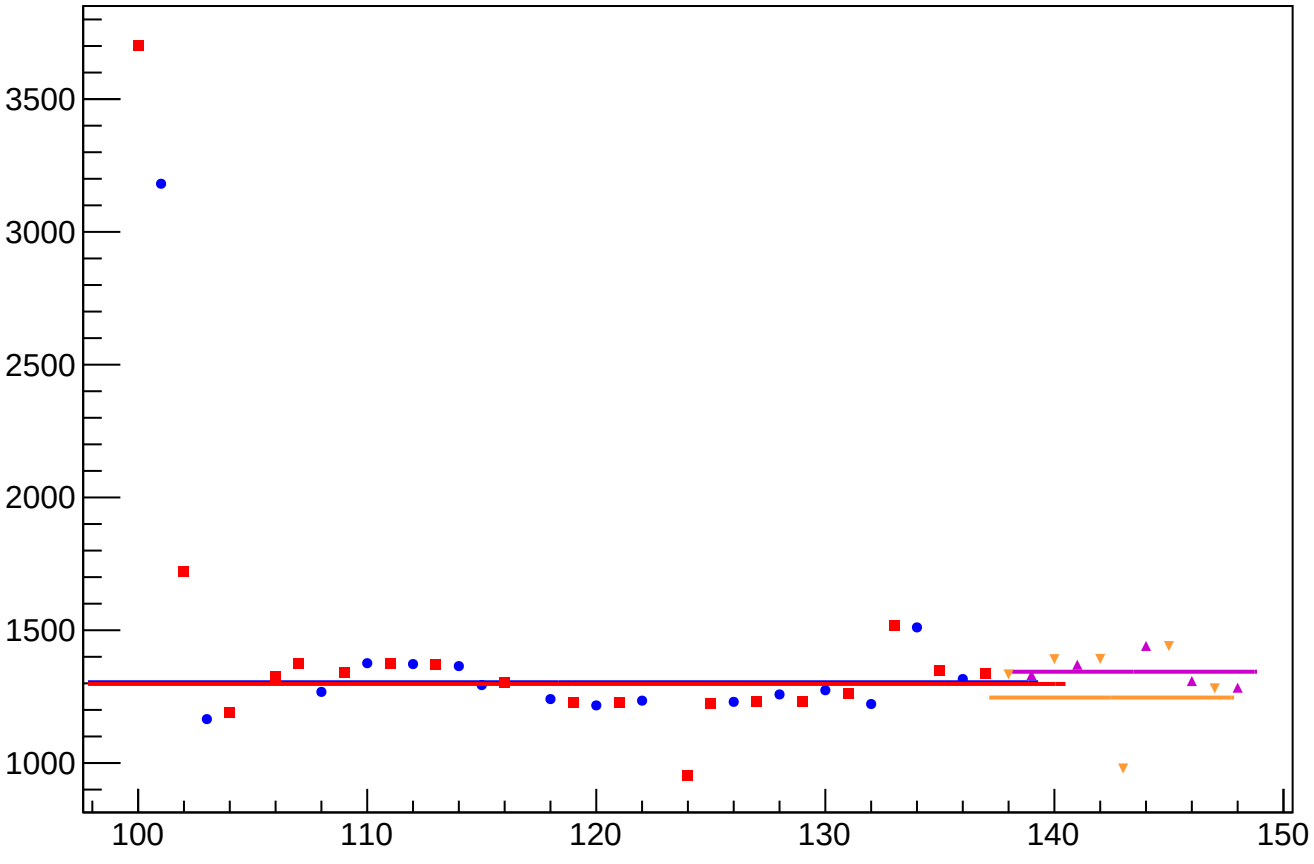
Left: -146.474+/-435.756 χ^2/NDF: 10.2/10

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -509.982+/-391.835 χ^2/NDF:16.4/20

Out: -56.339+/-375.571 χ^2/NDF:22.7/24

All: -273.551+/-271.136 χ^2/NDF: 39.8/45



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

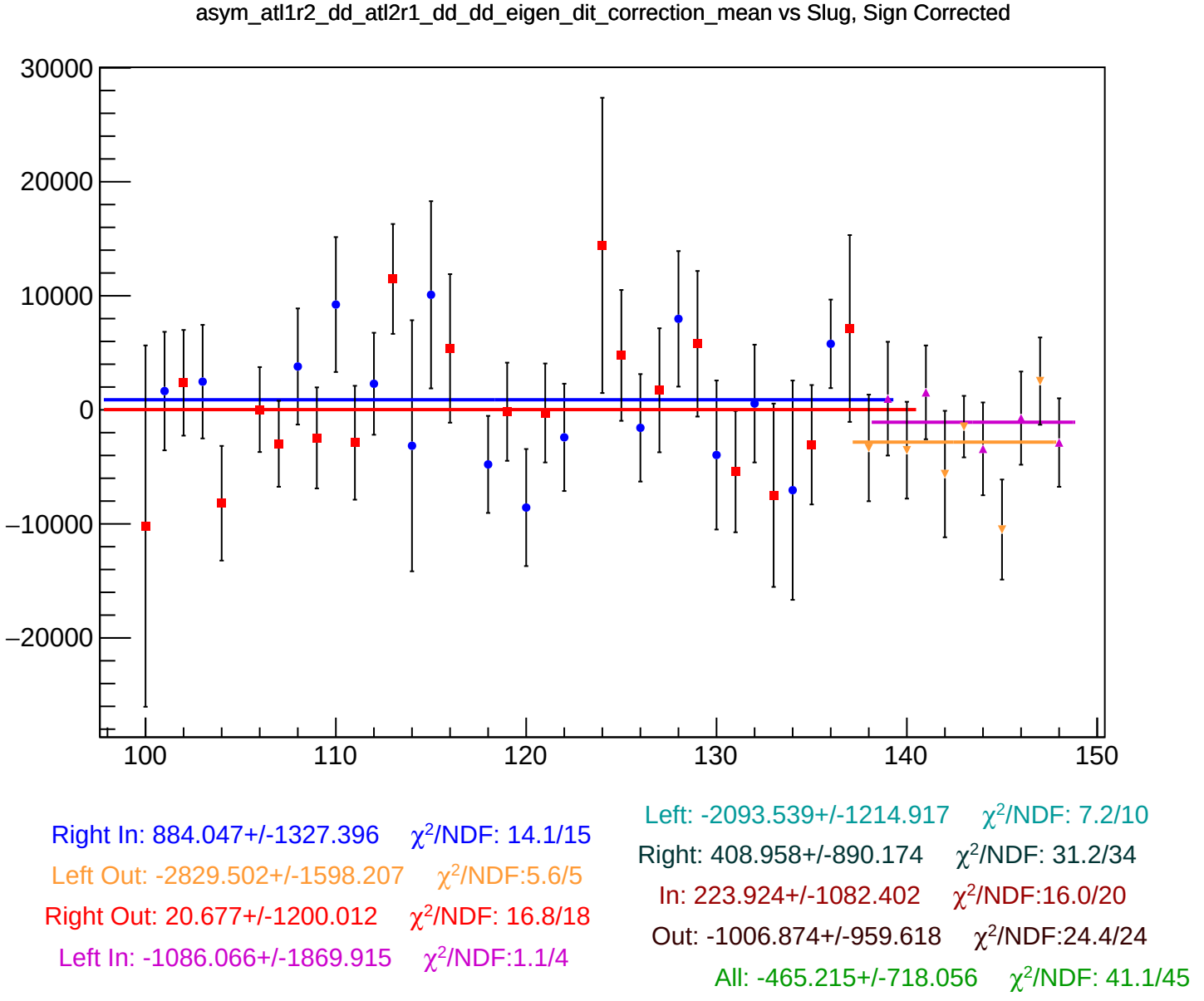
Left: 1291.141+/-0.308 χ^2/NDF: 225281.9/10

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

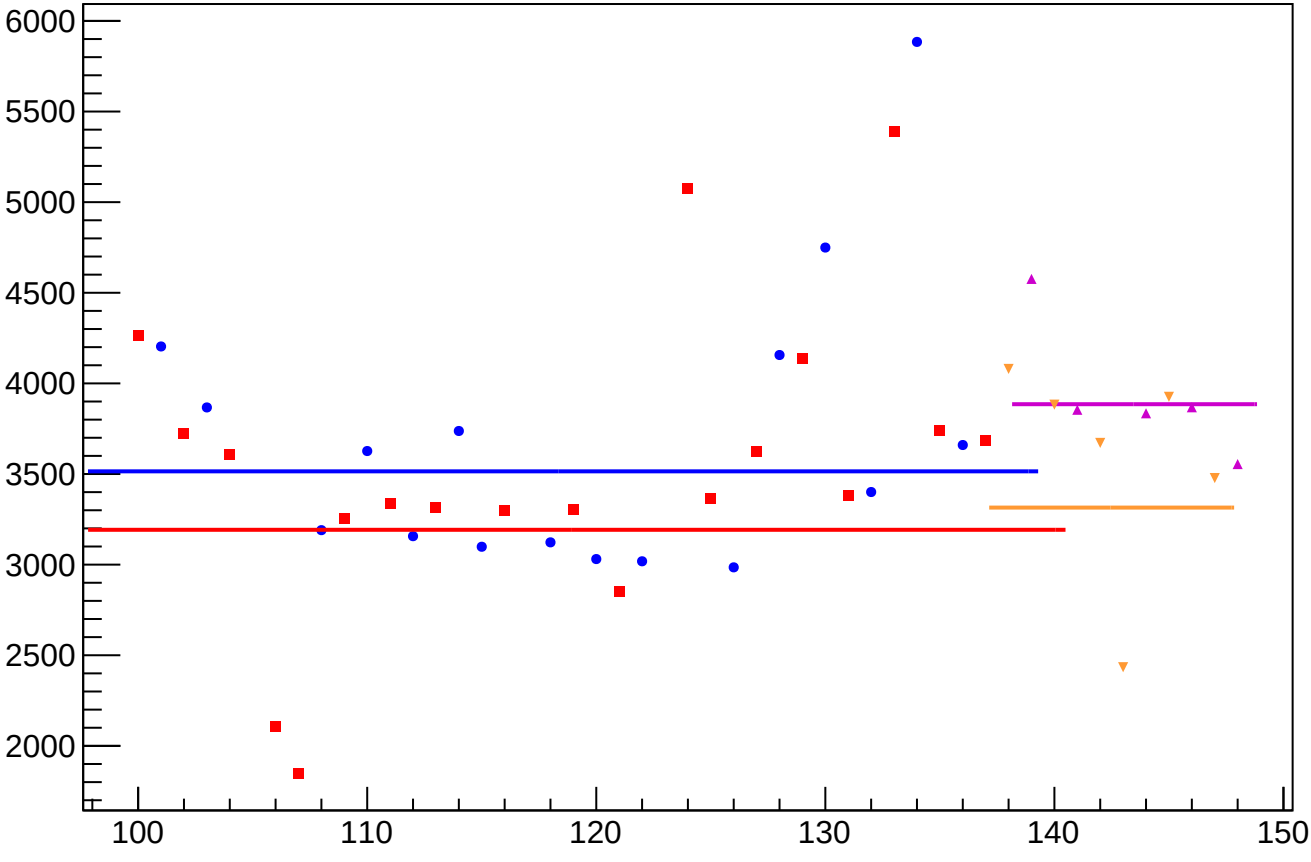
In: 1318.824+/-0.277 χ^2/NDF:529328.1/20

Out: 1277.195+/-0.265 χ^2/NDF:408649.7/24

All: 1297.118+/-0.192 χ^2/NDF: 949748.0/45


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -2829.502+/-1598.207 χ²/NDF:5.6/5
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1086.066+/-1869.915 χ²/NDF:1.1/4
Left: -2093.539+/-1214.917 χ²/NDF: 7.2/10
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 223.924+/-1082.402 χ²/NDF:16.0/20
Out: -1006.874+/-959.618 χ²/NDF:24.4/24
All: -465.215+/-718.056 χ²/NDF: 41.1/45

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

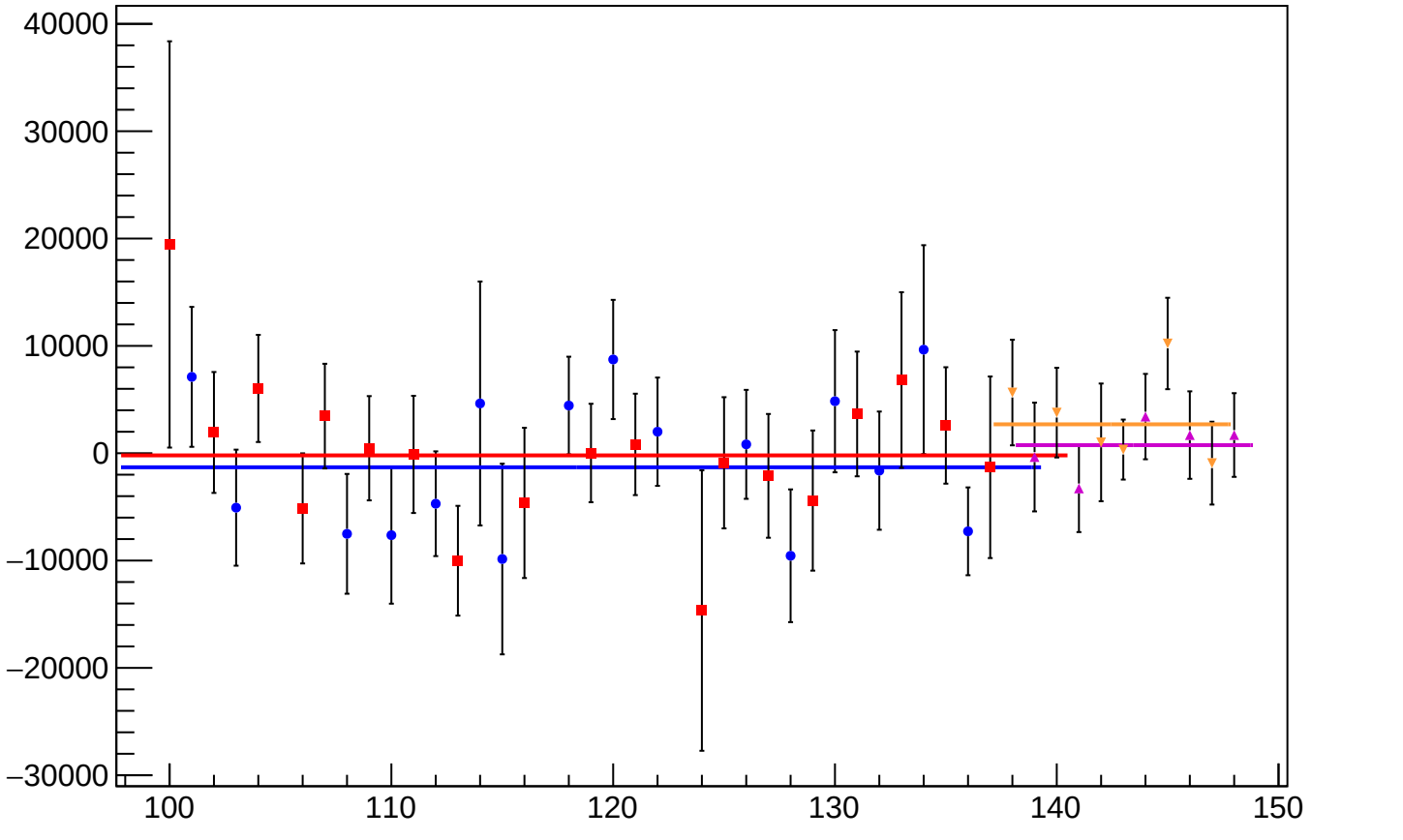
Left: 3555.569+/-0.859 χ^2/NDF: 514318.2/10

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3638.869+/-0.765 χ^2/NDF:480642.9/20

Out: 3236.386+/-0.679 χ^2/NDF:1133423.9/24

All: 3413.514+/-0.508 χ^2/NDF: 1768901.0/45



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 751.876+/-1861.261 χ^2/NDF:1.6/4

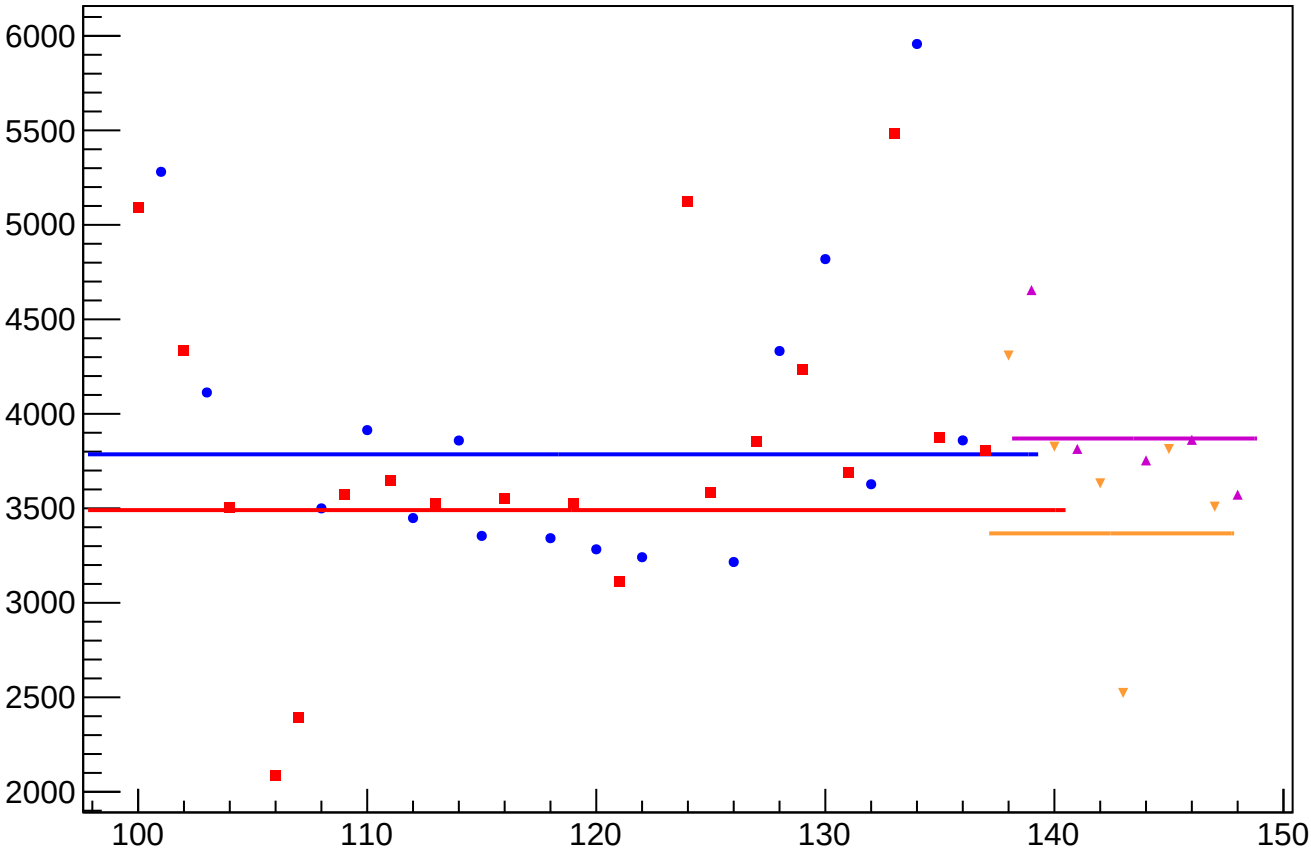
Left: 1857.994+/-1220.944 χ^2/NDF: 7.4/10

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -543.172+/-1134.773 χ^2/NDF:19.9/20

Out: 972.460+/-1030.124 χ^2/NDF:18.8/24

All: 287.738+/-762.728 χ^2/NDF: 39.7/45



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

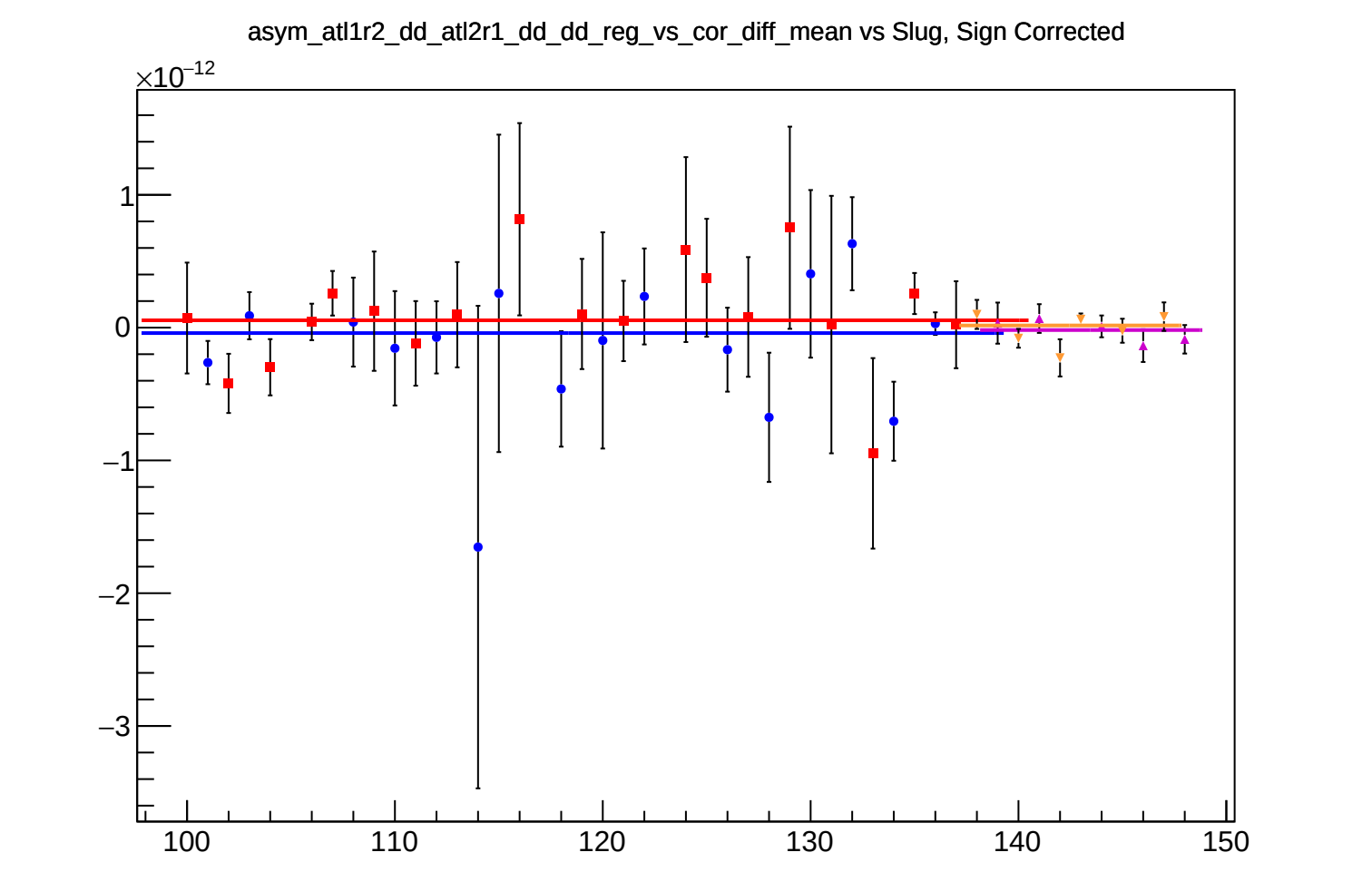
Left: 3583.501+/-0.863 χ^2/NDF: 453841.9/10

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3816.906+/-0.802 χ^2/NDF:447309.8/20

Out: 3441.482+/-0.722 χ^2/NDF:902845.5/24

All: 3609.565+/-0.537 χ^2/NDF: 1471055.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/4

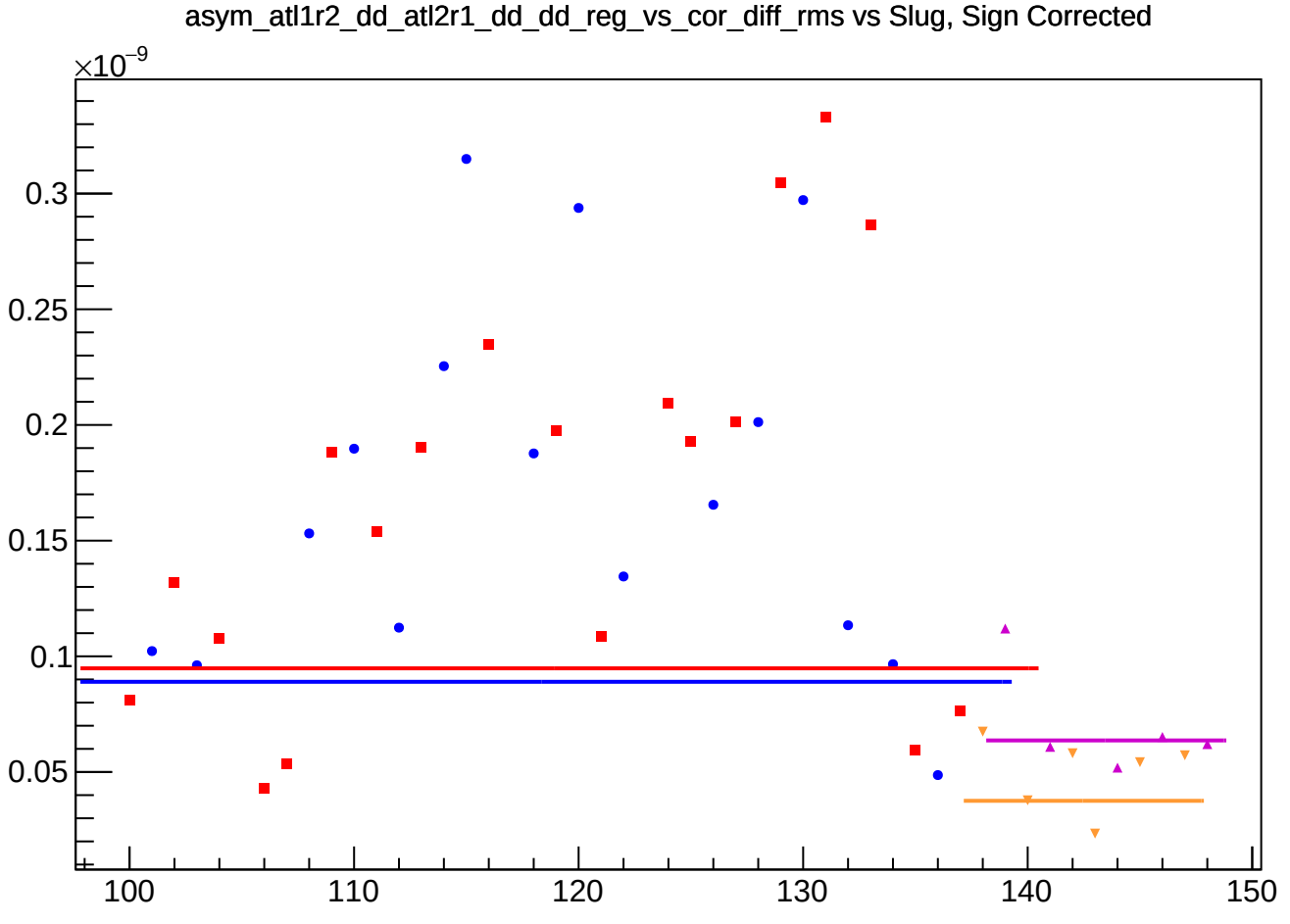
Left: 0.000+/-0.000 χ^2/NDF: 9.7/10

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.3/24

All: 0.000+/-0.000 χ^2/NDF: 43.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:238425.0/4

Left: 0.000+/-0.000 χ^2/NDF: 1189298.0/10

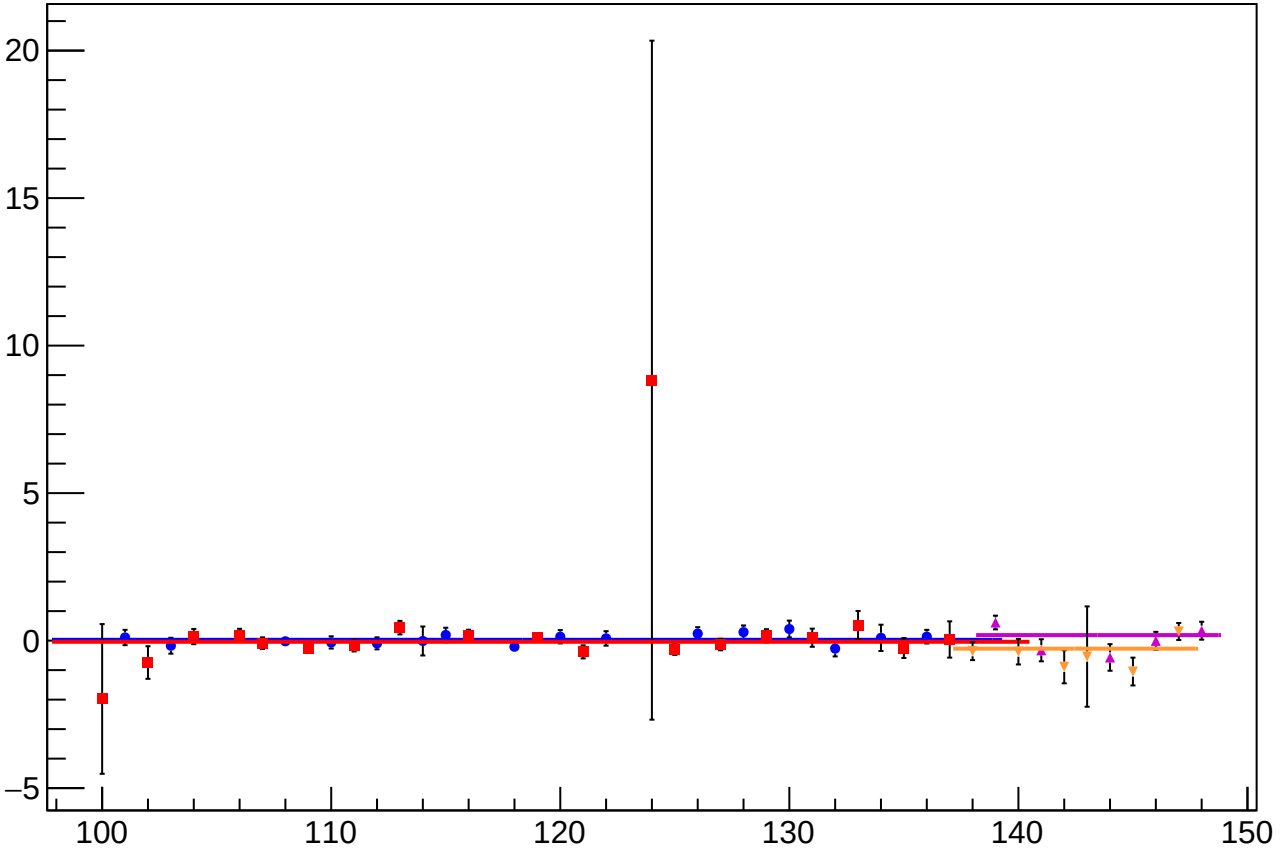
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1920085.4/20

Out: 0.000+/-0.000 χ^2/NDF:3572562.2/24

All: 0.000+/-0.000 χ^2/NDF: 6095798.8/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

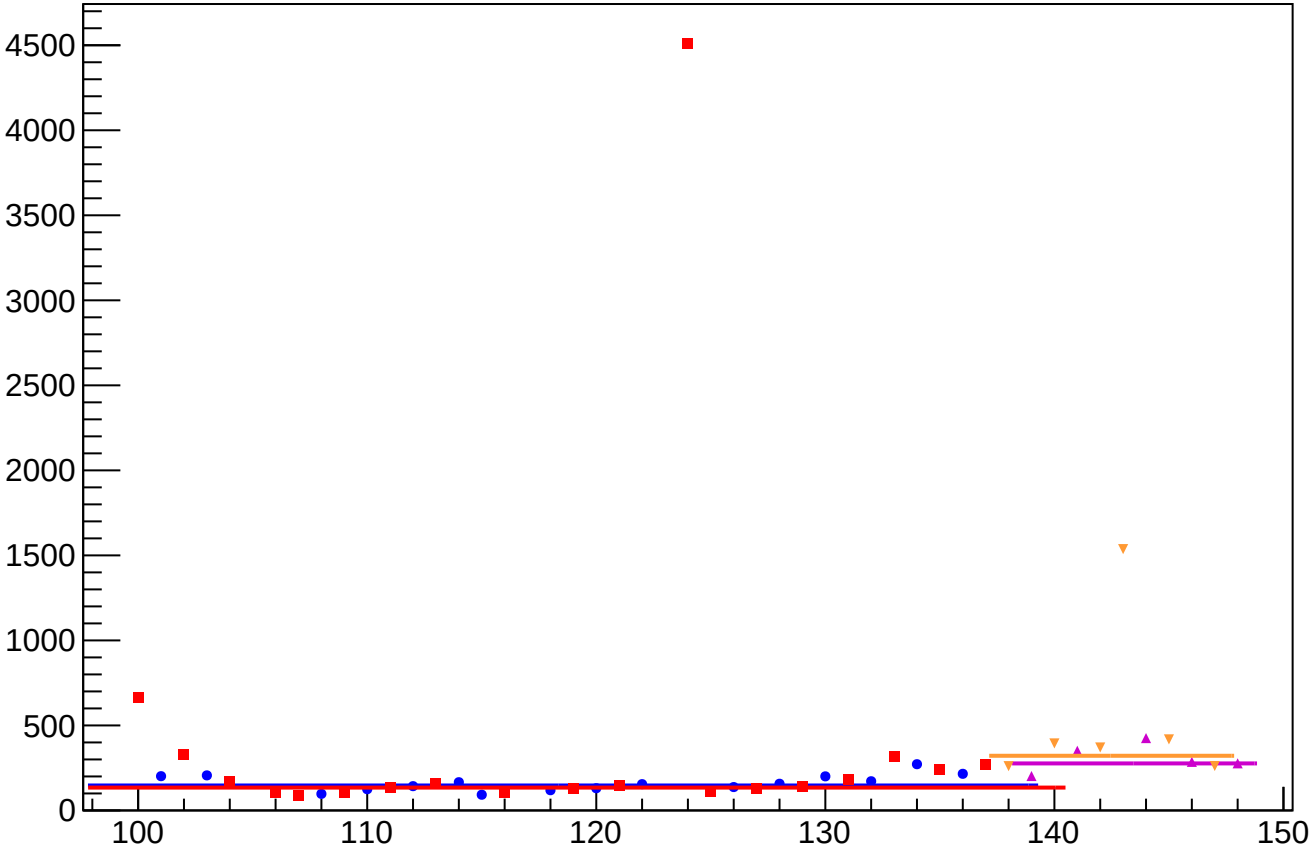
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

Left: 295.097+/-0.075 χ^2/NDF: 1933501.2/10

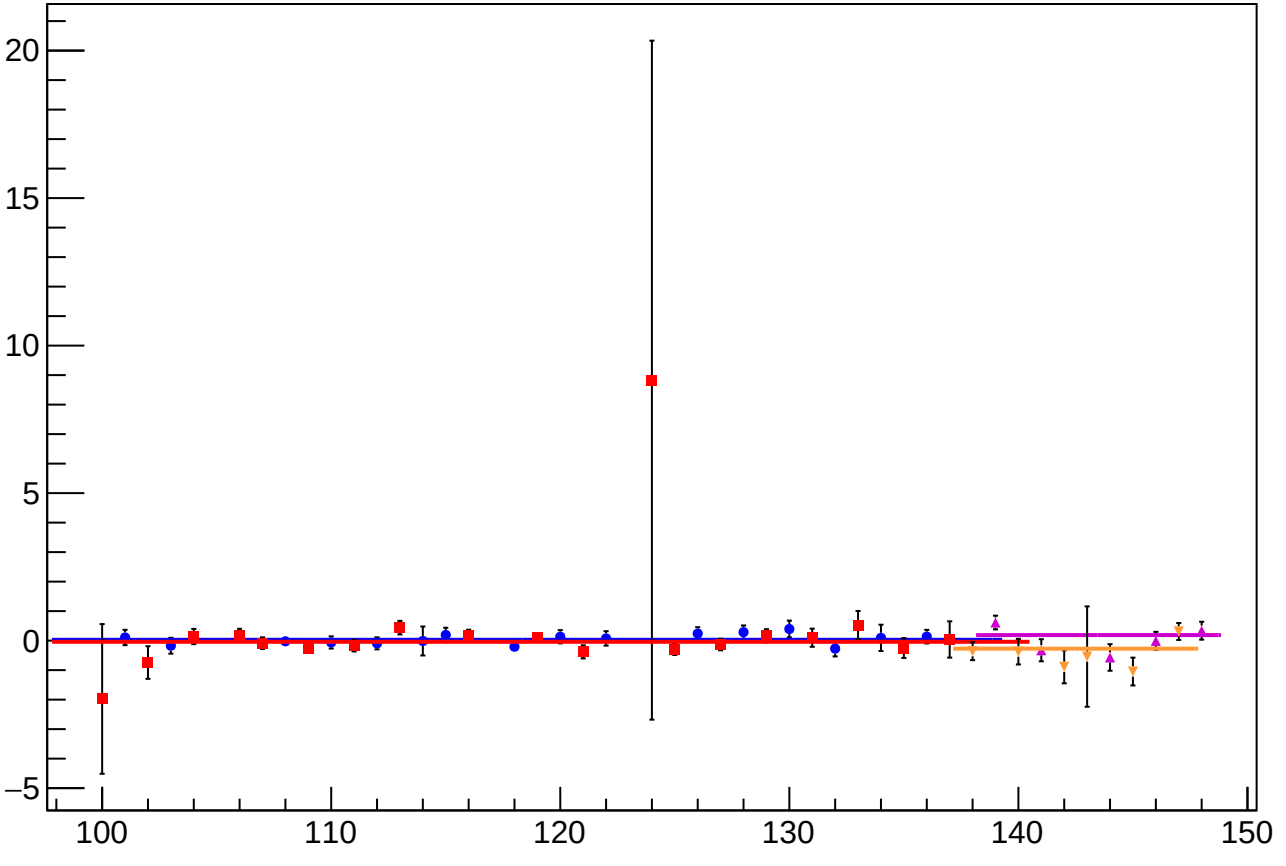
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

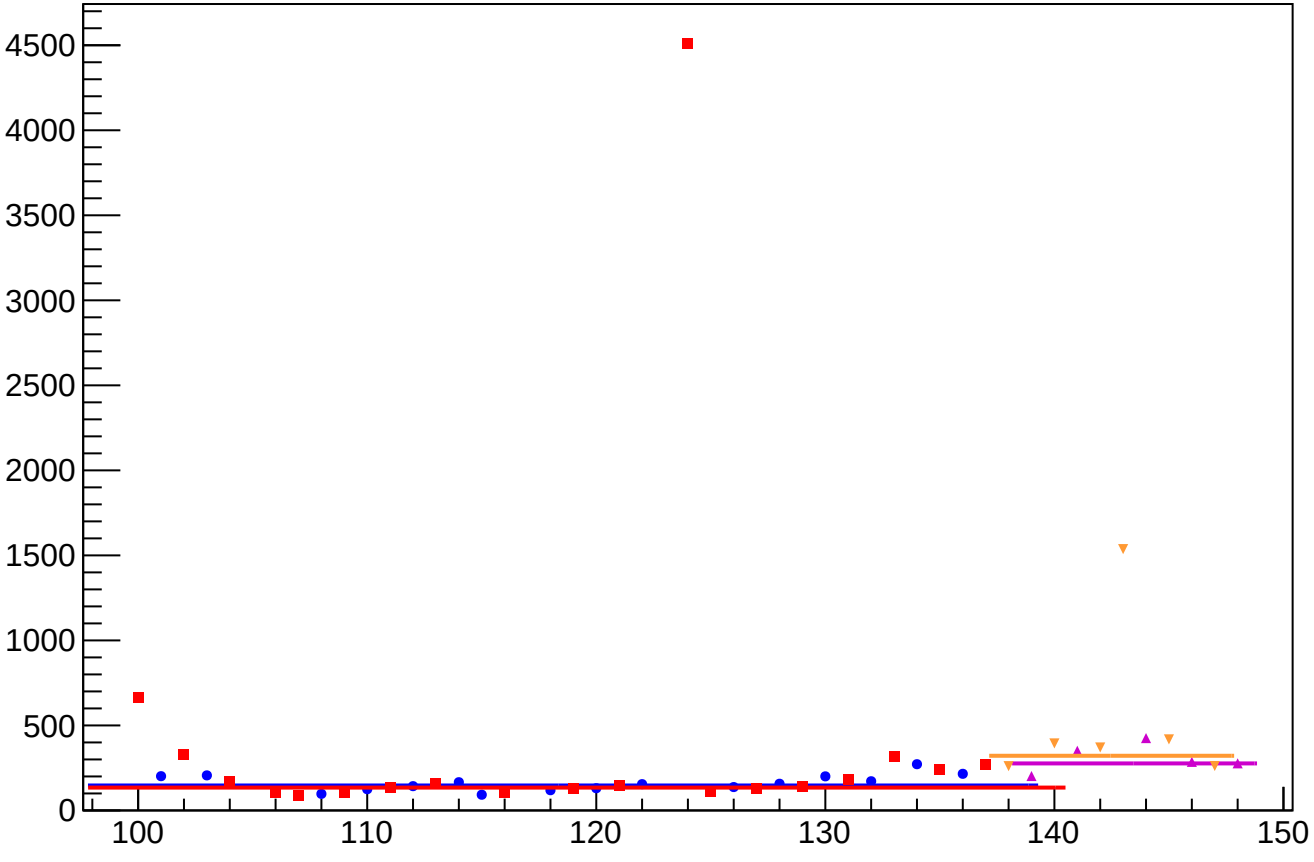
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

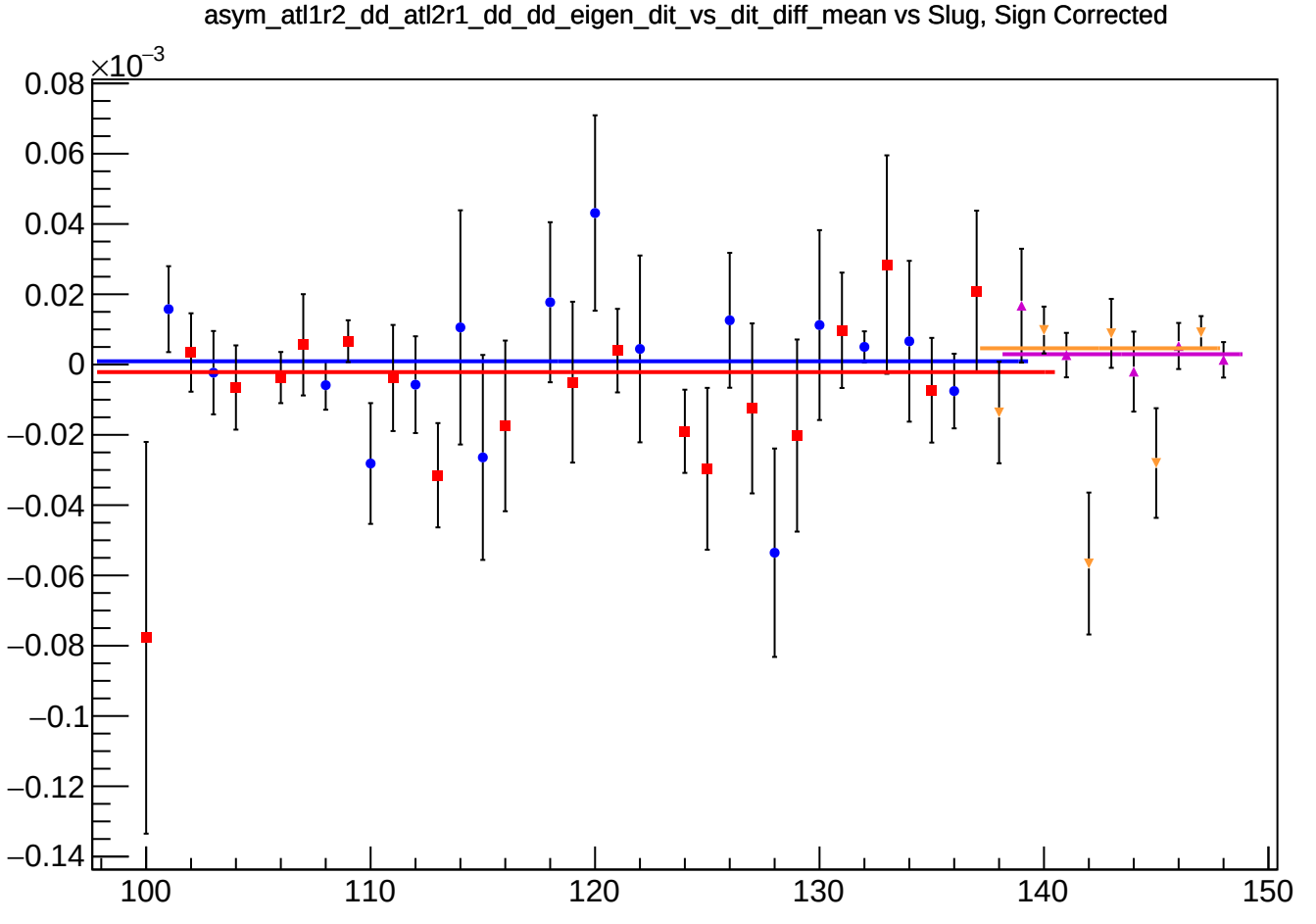
Left: 295.097+/-0.075 χ^2/NDF: 1933501.2/10

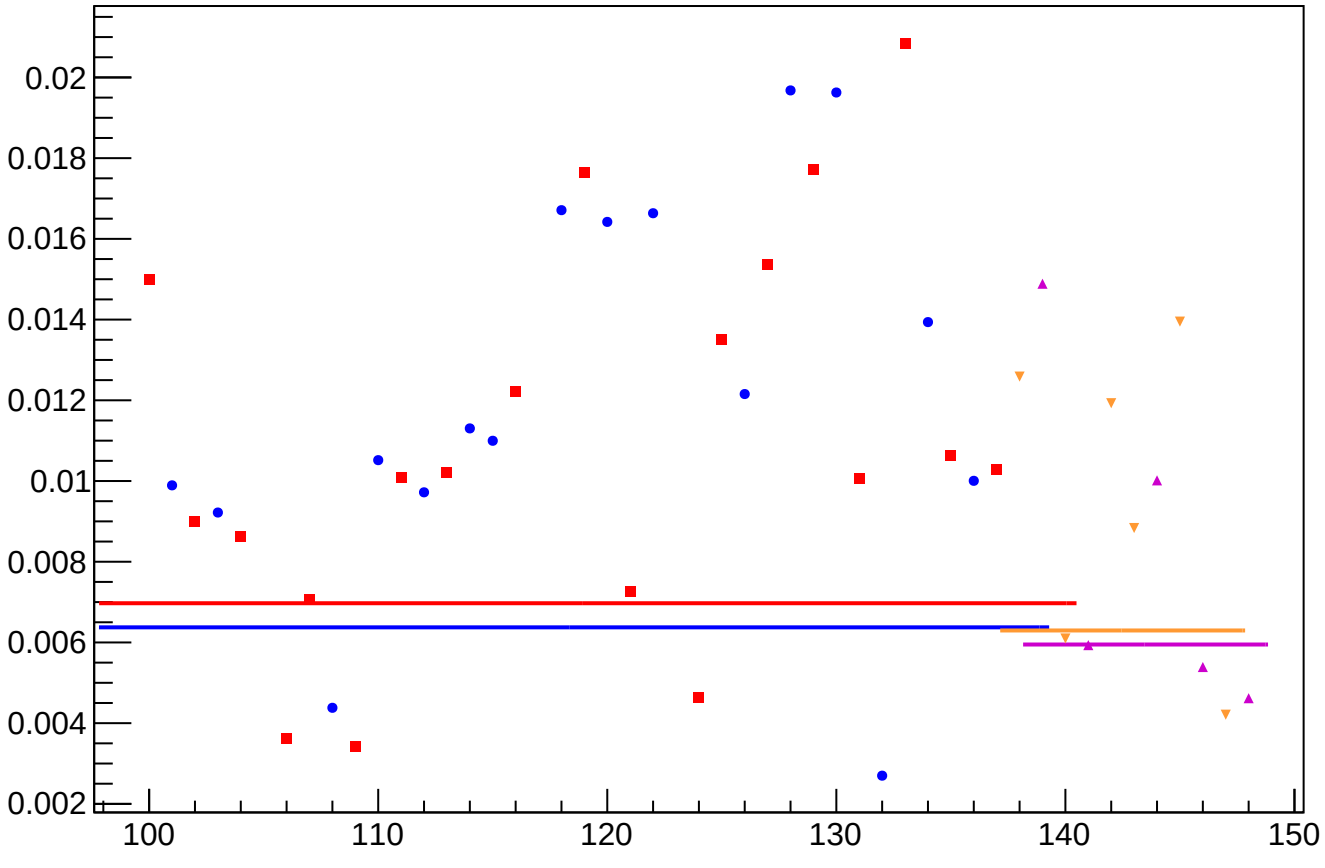
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 159.296+/-0.026 χ^2/NDF: 8302377.2/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:1.1/4
Left: 0.000+/-0.000 χ²/NDF: 18.2/10
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:16.2/20
Out: 0.000+/-0.000 χ²/NDF:35.3/24
All: 0.000+/-0.000 χ²/NDF: 51.6/45



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1018188.3/4

Left: 0.006+/-0.000 χ^2/NDF: 2587379.1/10

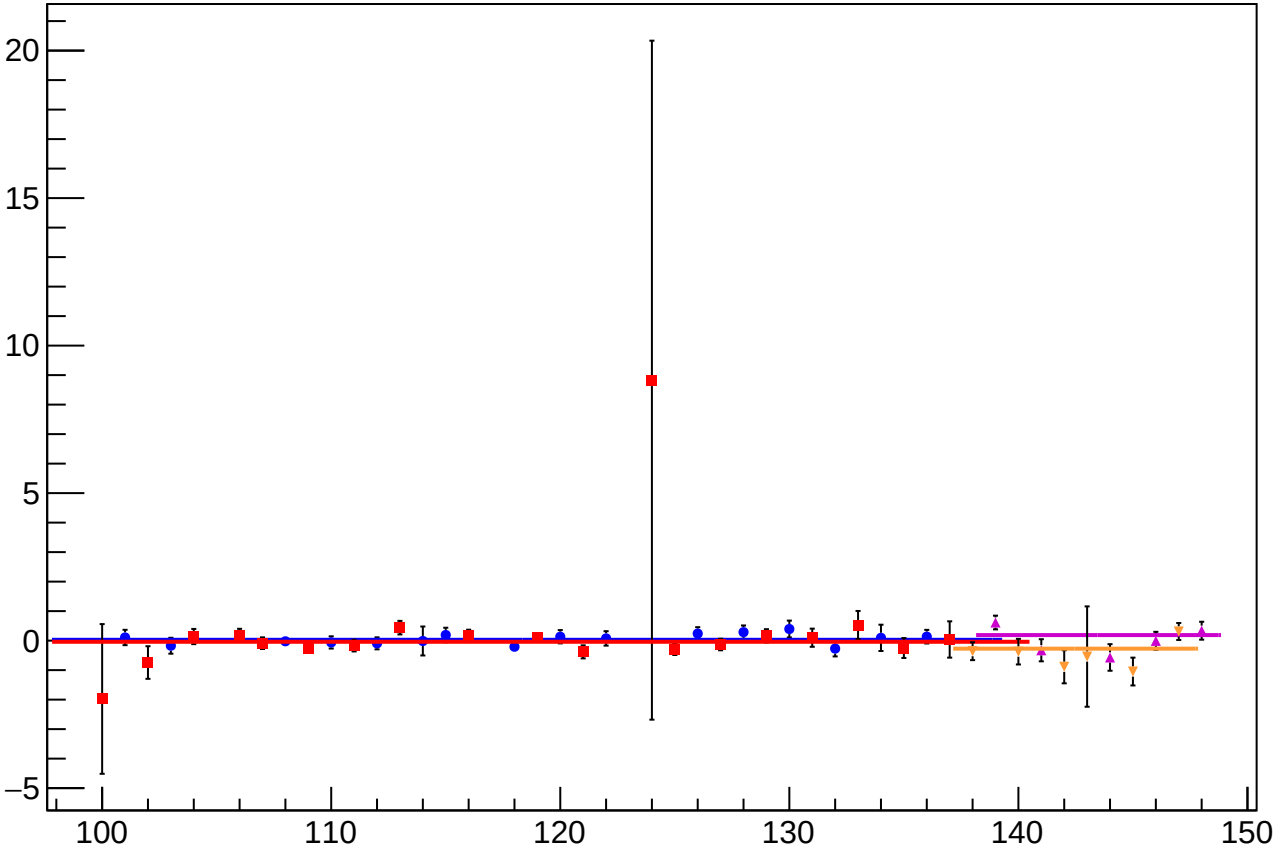
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5677353.4/20

Out: 0.007+/-0.000 χ^2/NDF:5013010.4/24

All: 0.006+/-0.000 χ^2/NDF: 10739816.7/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

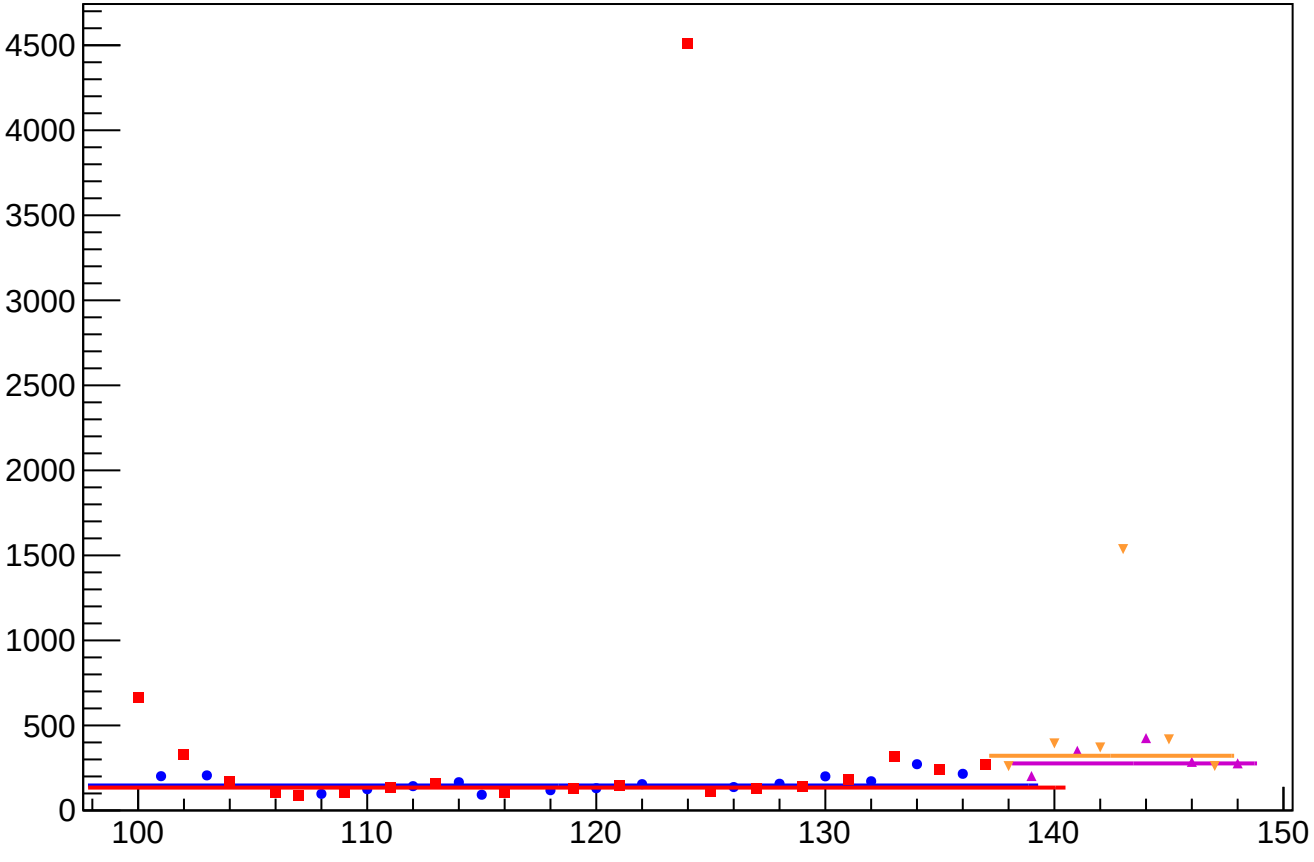
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

Left: 295.101+/-0.075 χ^2/NDF: 1933476.3/10

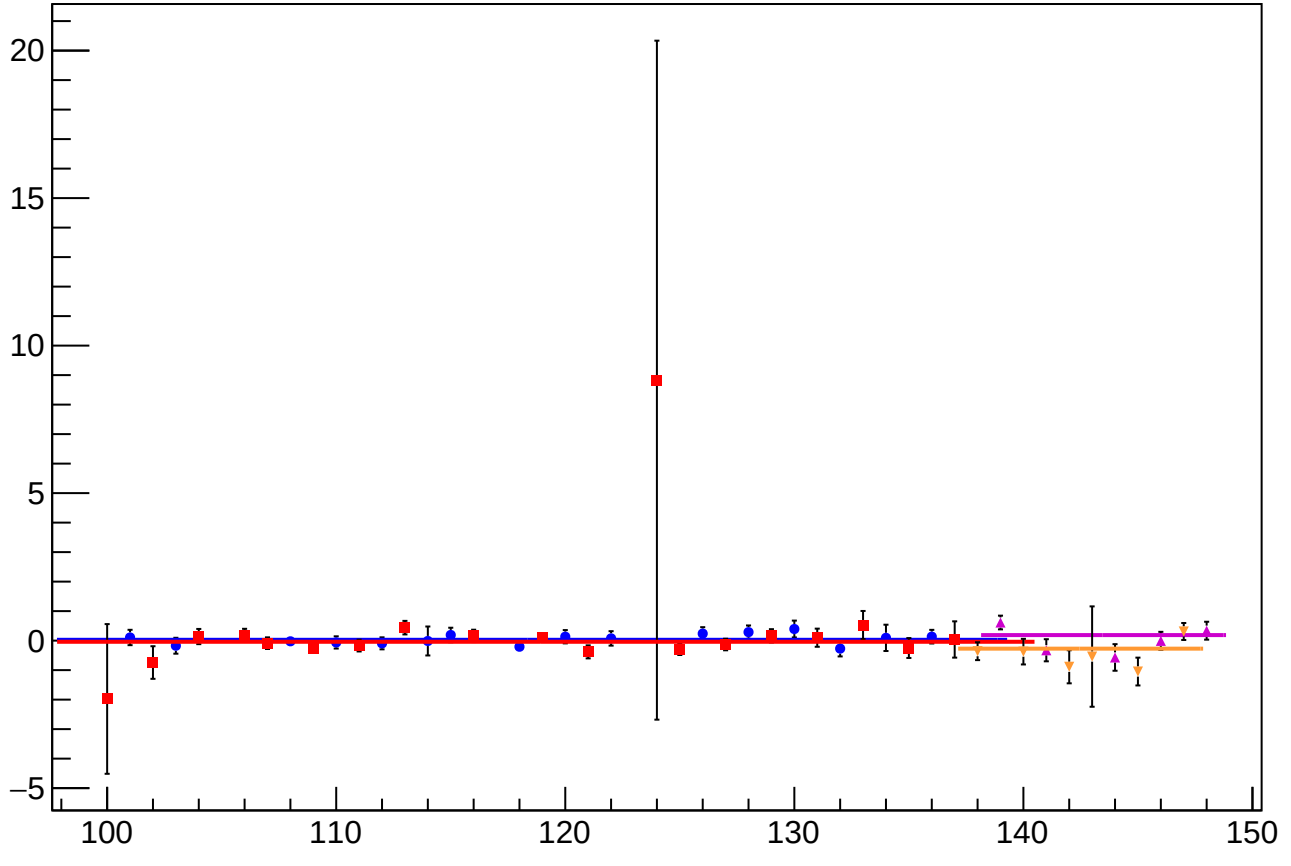
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.188+/-0.139 χ^2/NDF:8.7/4

Left: -0.001+/-0.106 χ^2/NDF: 21.4/10

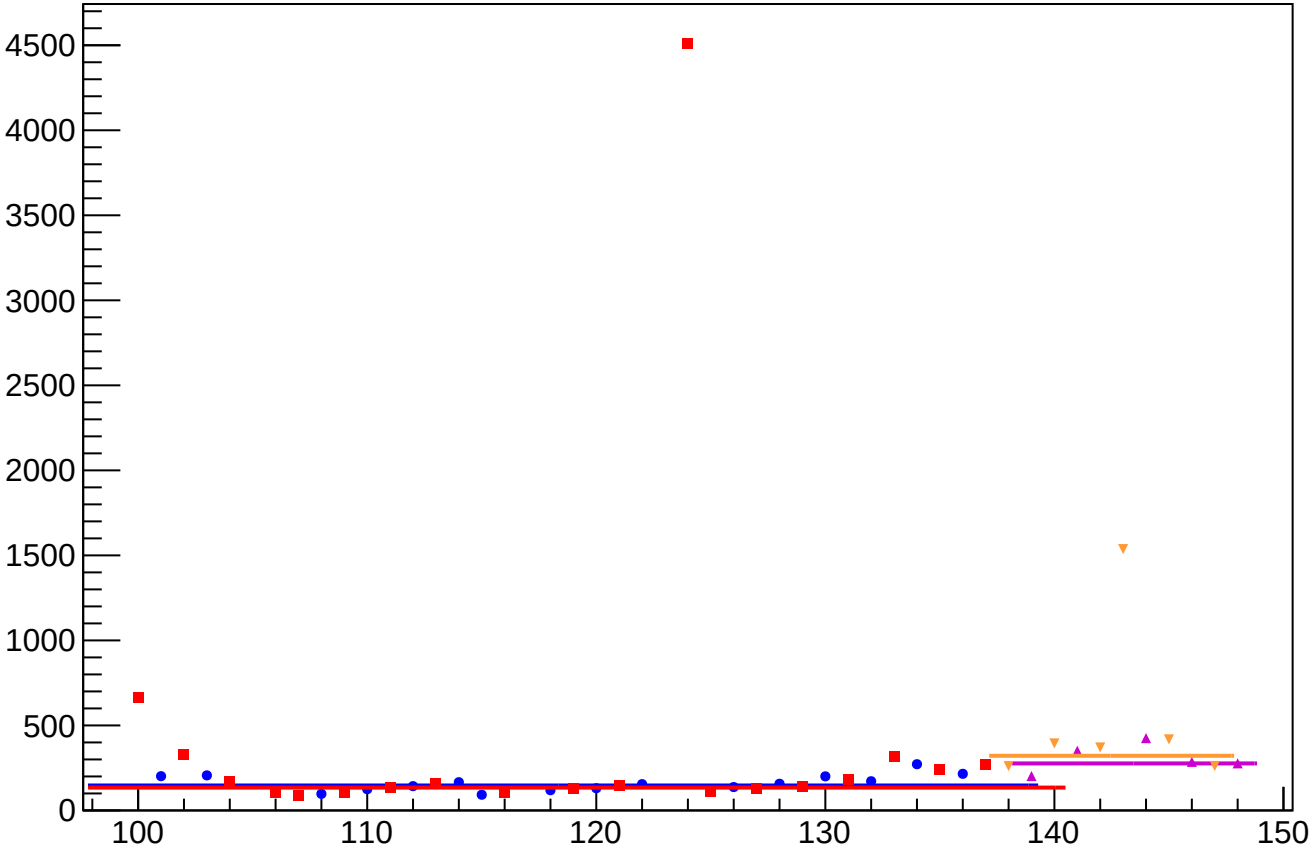
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.007+/-0.037 χ^2/NDF: 51.6/45

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

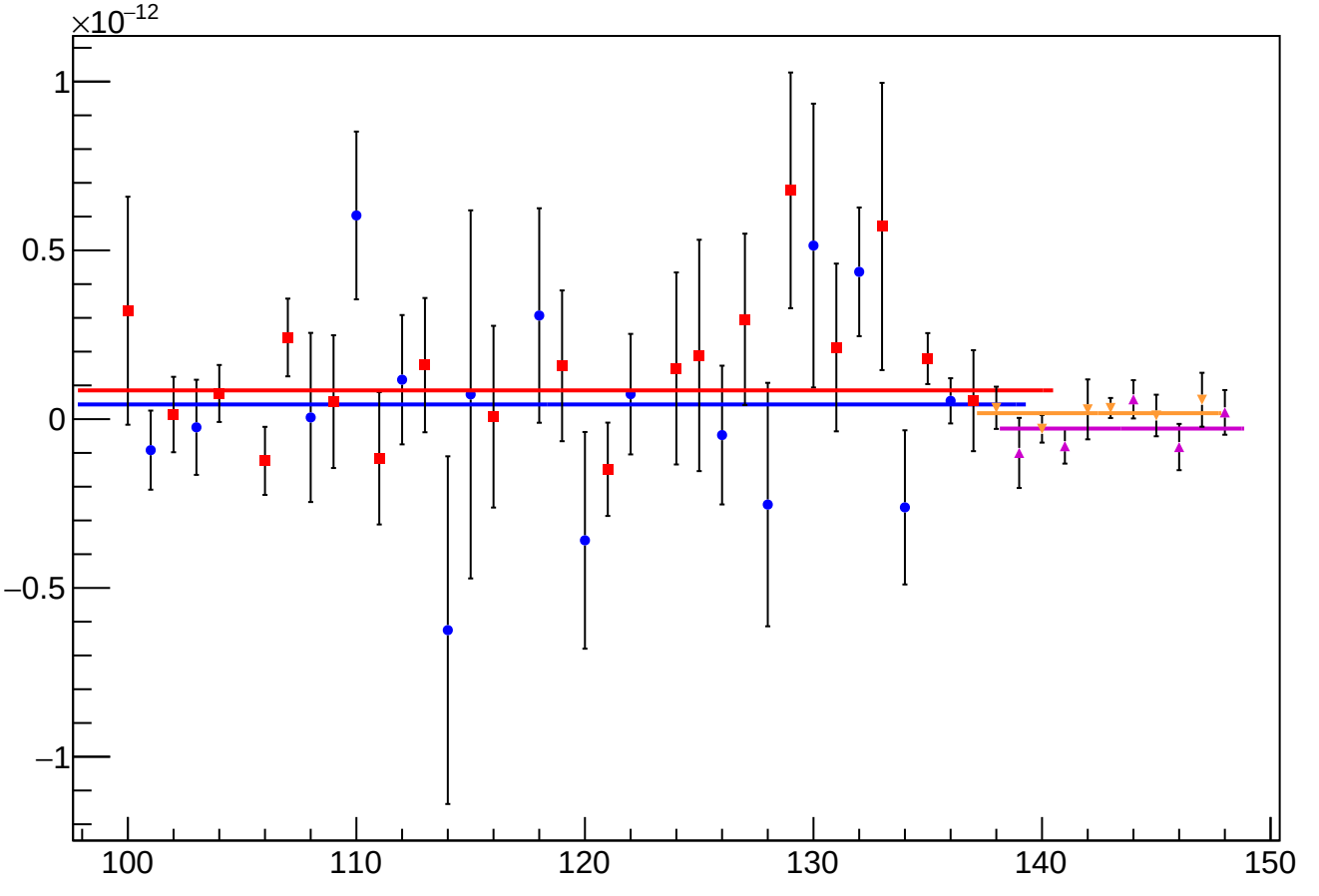
Left: 295.101+/-0.075 χ^2/NDF: 1933476.3/10

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 159.296+/-0.026 χ^2/NDF: 8302285.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

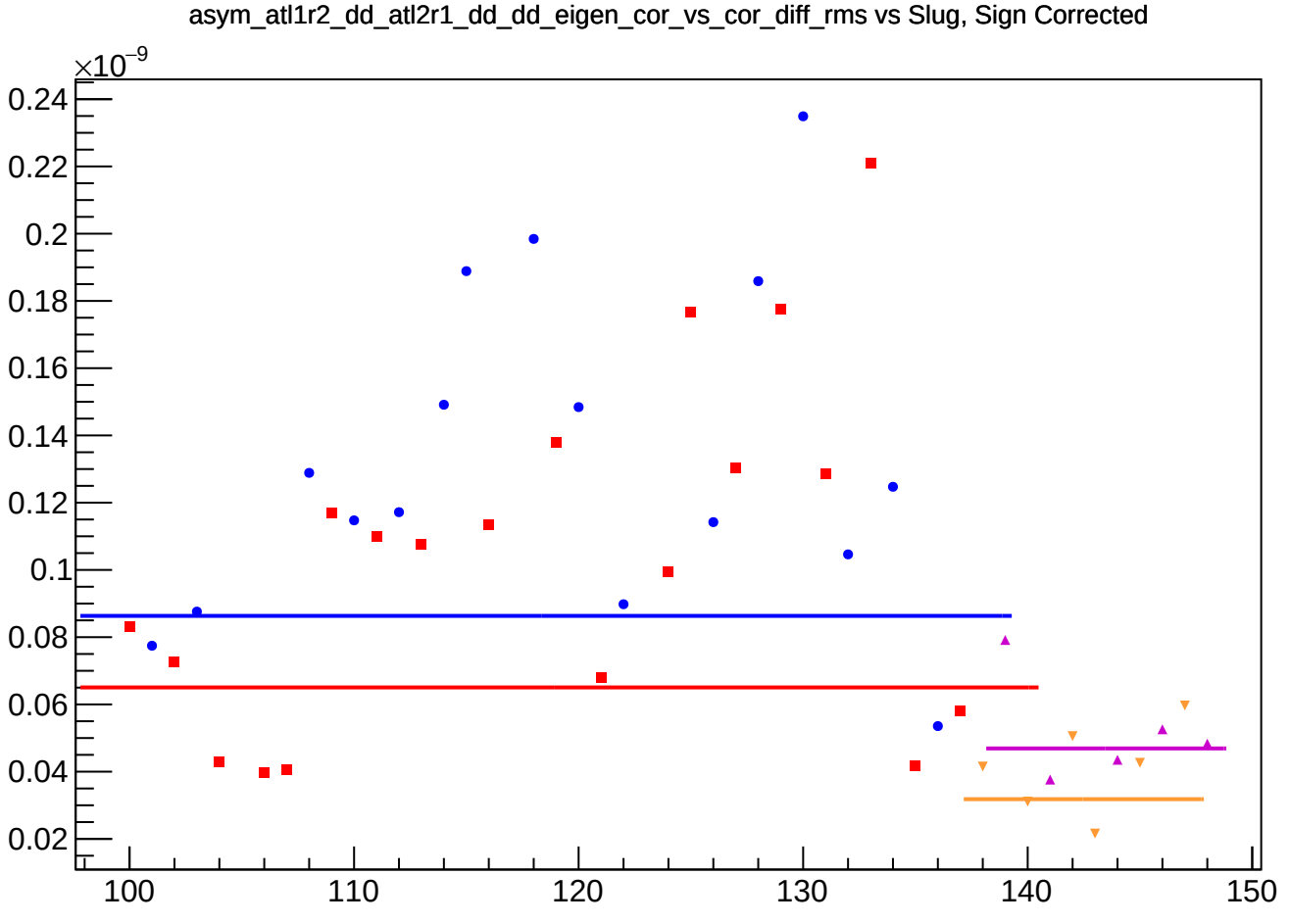
Left: 0.000+/-0.000 χ^2/NDF: 8.6/10

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

Left: 0.000+/-0.000 χ^2/NDF: 1336710.0/10

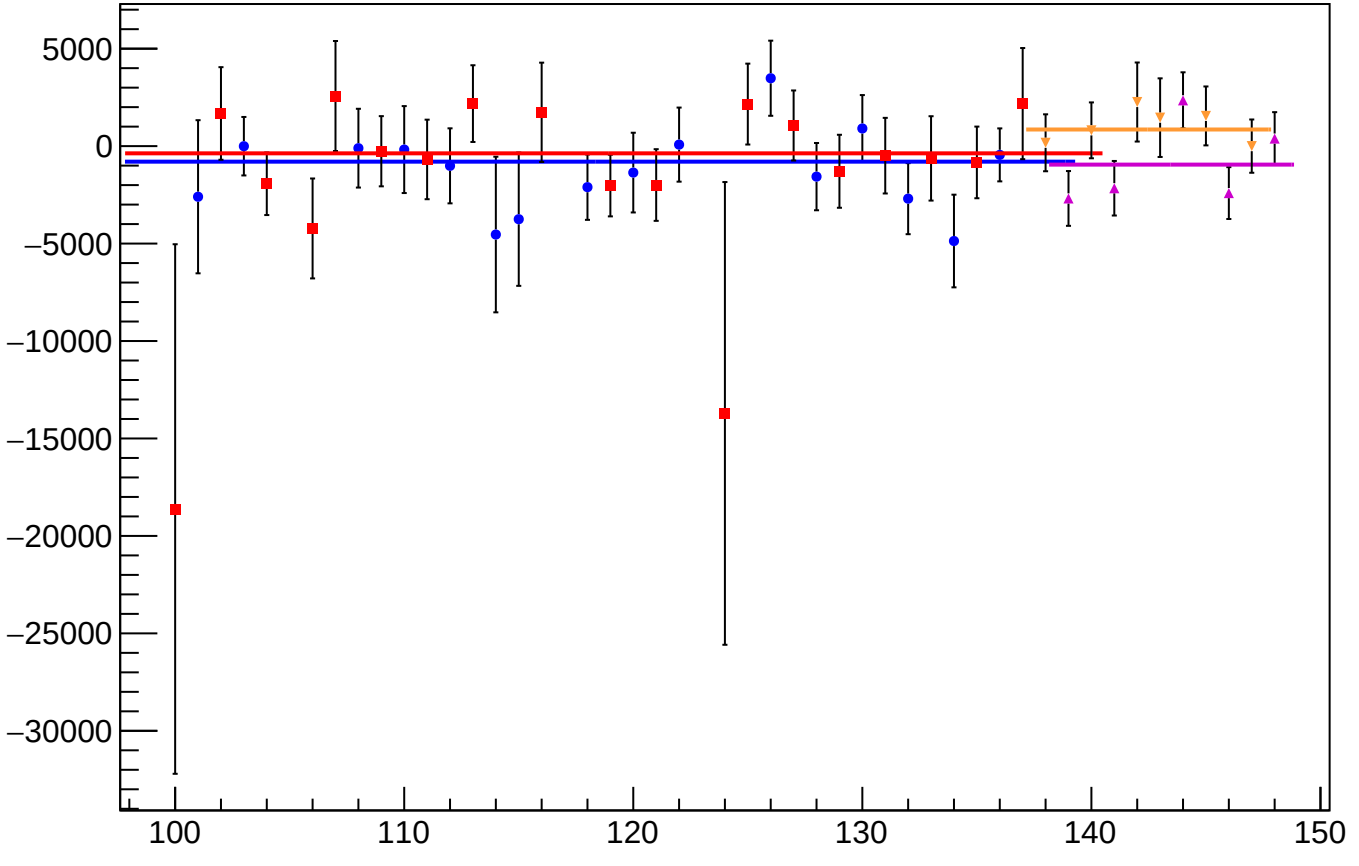
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3020389.7/20

Out: 0.000+/-0.000 χ^2/NDF:4251263.5/24

All: 0.000+/-0.000 χ^2/NDF: 8104455.7/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 852.730+/-643.147 χ^2/NDF:1.4/5

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -948.937+/-619.013 χ^2/NDF:9.7/4

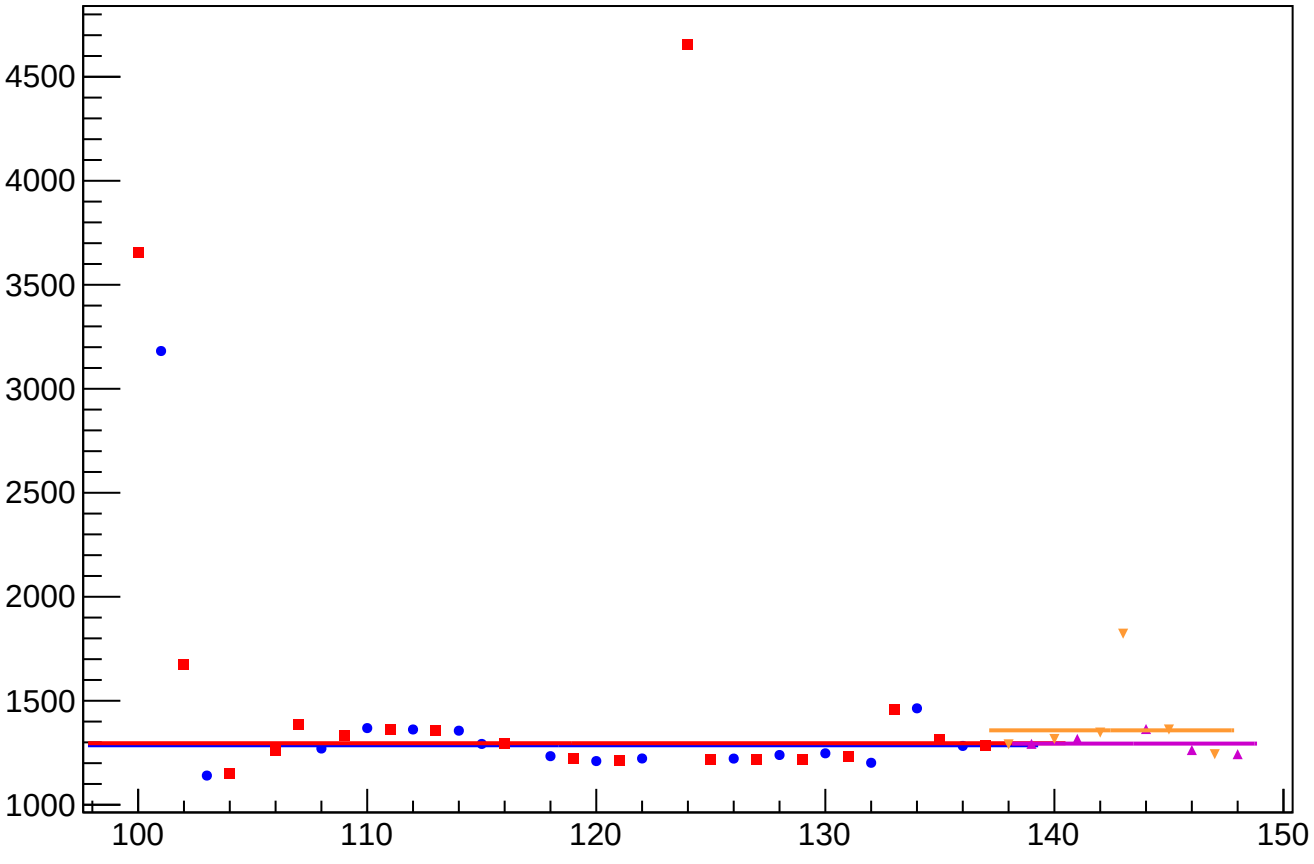
Left: -82.540+/-445.997 χ^2/NDF: 15.2/10

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -855.331+/-382.967 χ^2/NDF:23.2/20

Out: 74.217+/-387.656 χ^2/NDF:19.3/24

All: -396.212+/-272.441 χ^2/NDF: 45.4/45



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

Left: 1324.722+/-0.315 χ^2/NDF: 145606.9/10

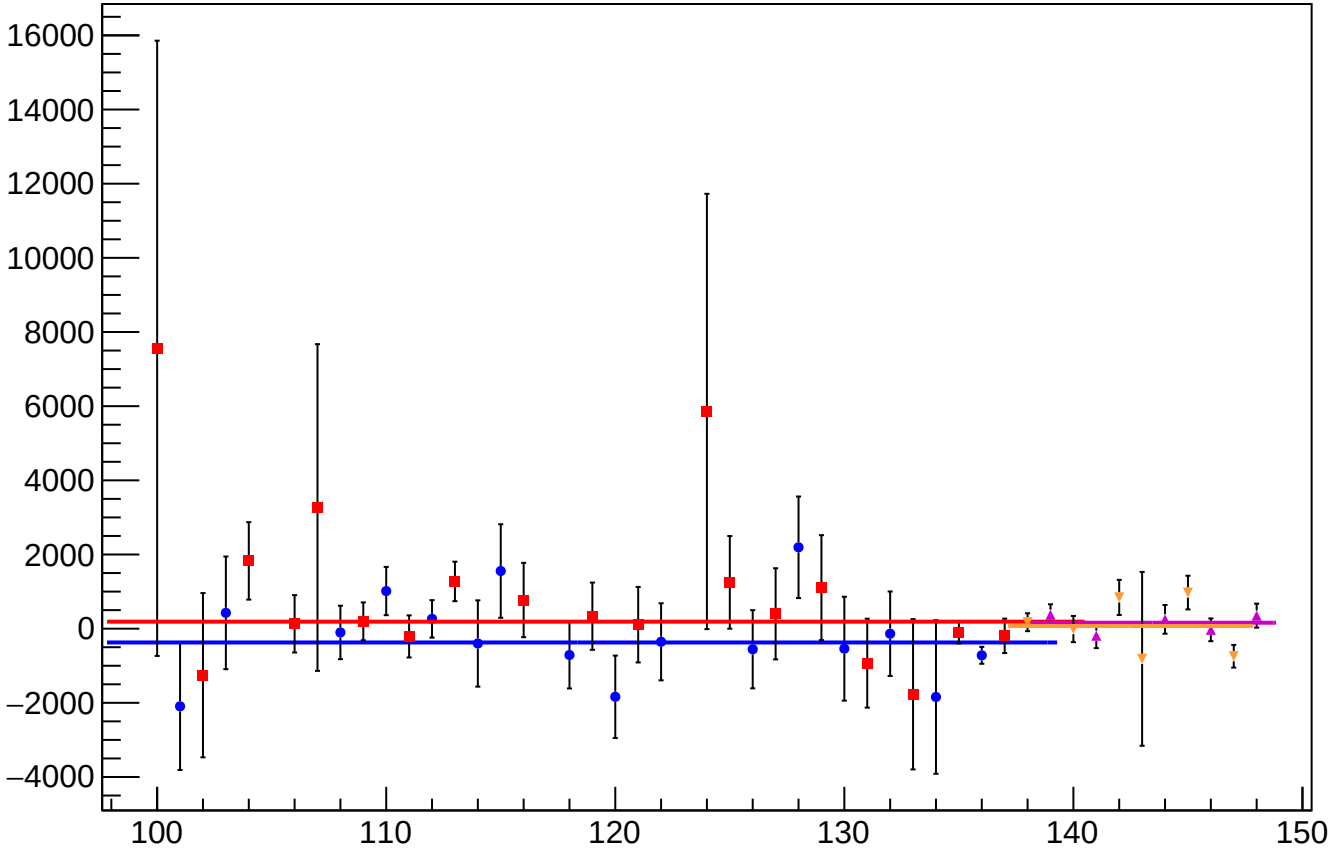
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.141+/-0.271 χ^2/NDF:527499.2/20

Out: 1318.428+/-0.274 χ^2/NDF:466088.7/24

All: 1303.606+/-0.193 χ^2/NDF: 999365.0/45

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: 71.773+/-148.385 χ^2/NDF:14.1/5

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 160.187+/-143.929 χ^2/NDF:2.5/4

Left: 117.328+/-103.313 χ^2/NDF: 16.8/10

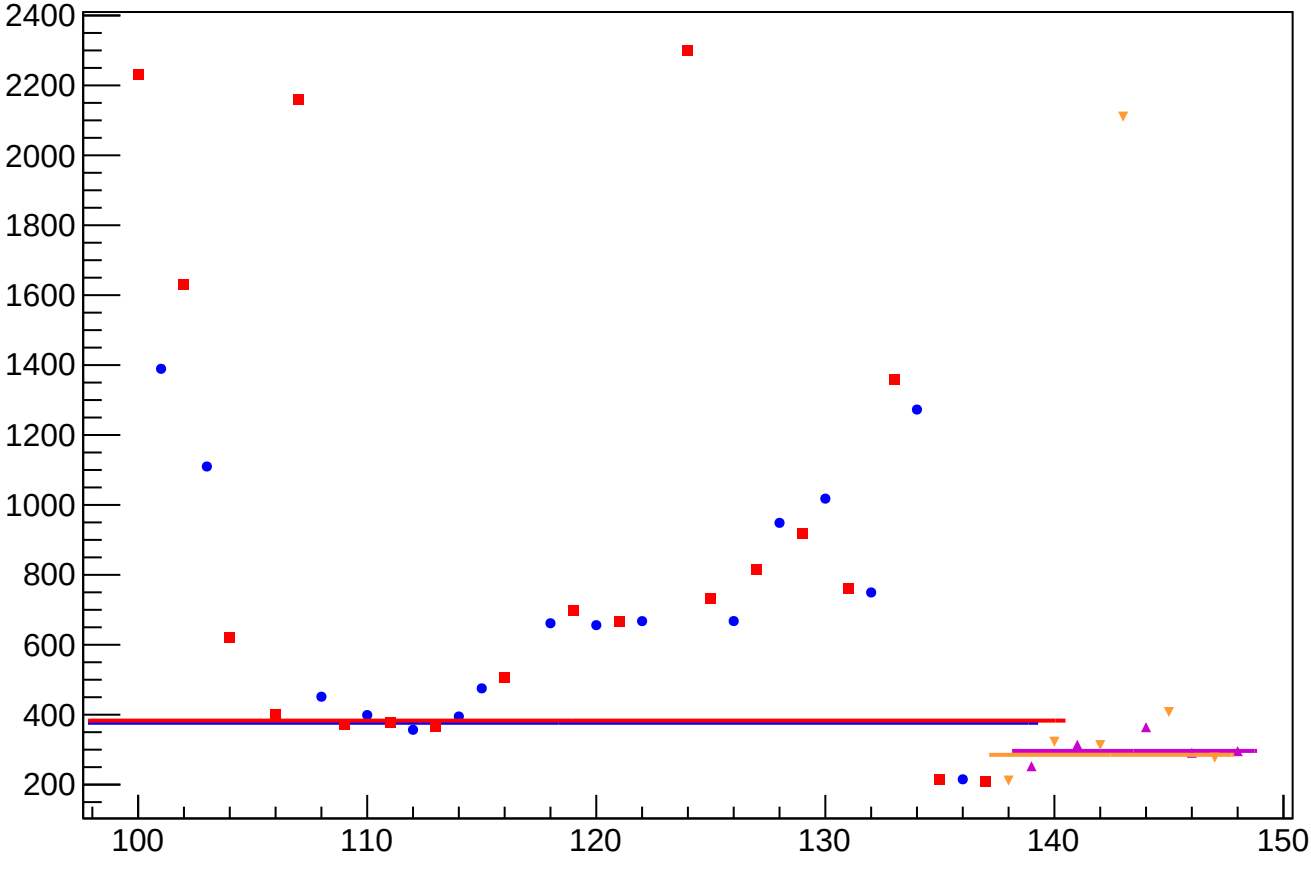
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -64.904+/-109.358 χ^2/NDF:26.4/20

Out: 122.585+/-111.669 χ^2/NDF:29.0/24

All: 26.880+/-78.132 χ^2/NDF: 56.9/45

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: 285.205+/-0.105 χ^2/NDF:1575201.5/5

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

Left: 290.973+/-0.073 χ^2/NDF: 1696839.6/10

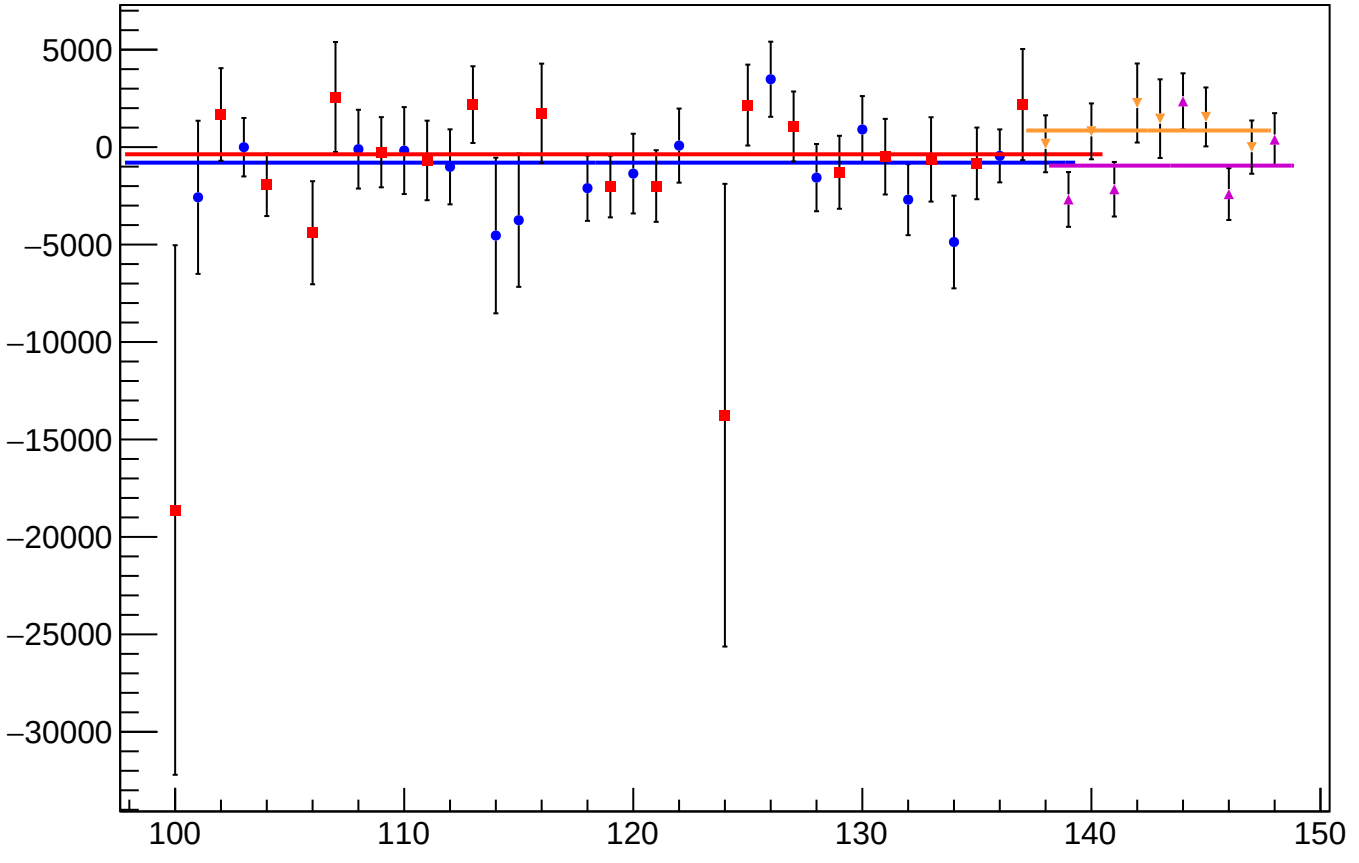
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 330.424+/-0.077 χ^2/NDF:4570379.0/20

Out: 327.646+/-0.079 χ^2/NDF:6006615.2/24

All: 329.064+/-0.055 χ^2/NDF: 10577625.9/45

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -948.988+/-619.013 χ^2/NDF:9.7/4

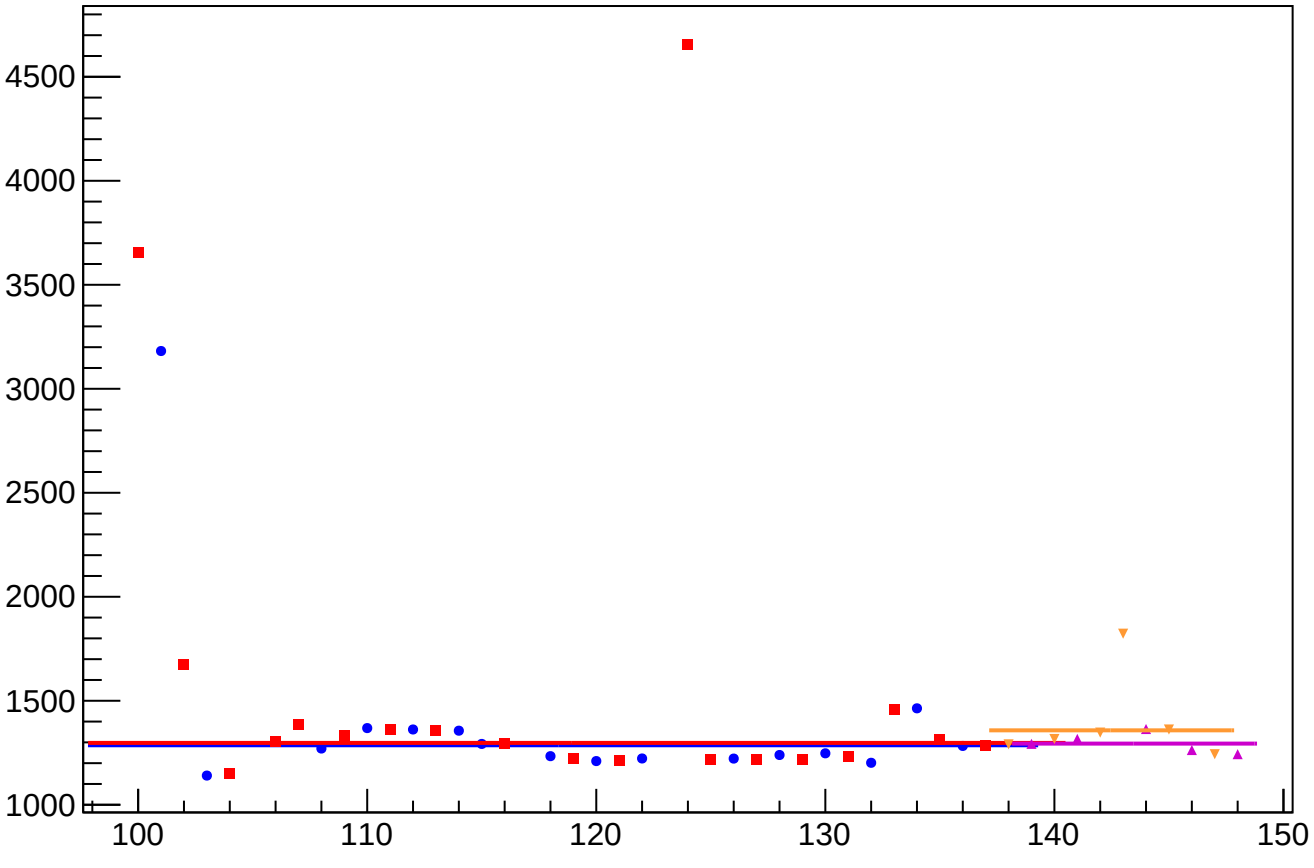
Left: -82.550+/-445.997 χ^2/NDF: 15.2/10

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -855.102+/-382.967 χ^2/NDF:23.2/20

Out: 76.451+/-387.921 χ^2/NDF:19.4/24

All: -395.312+/-272.533 χ^2/NDF: 45.4/45



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

Left: 1324.722+/-0.315 χ^2/NDF: 145606.9/10

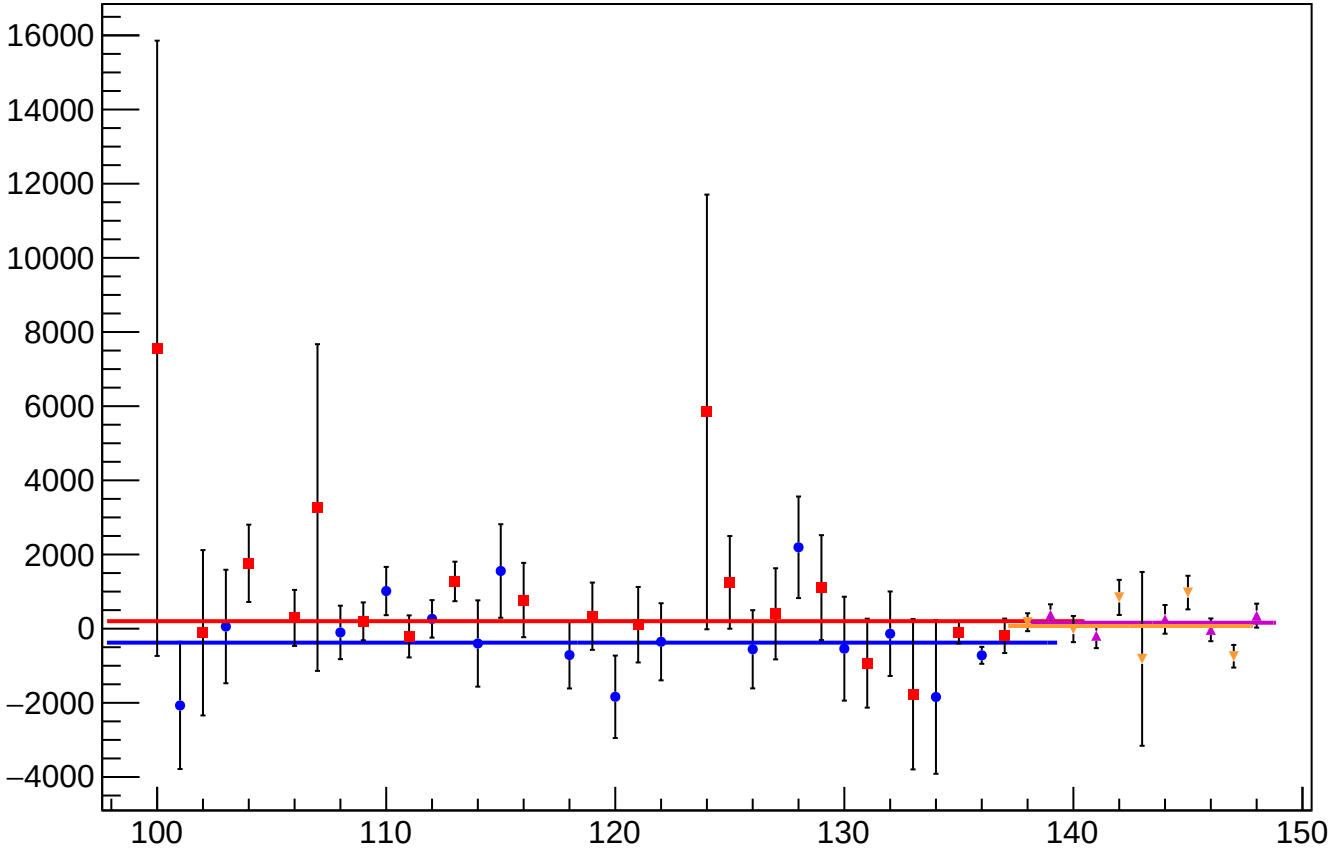
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 160.282+/-143.928 χ^2/NDF:2.5/4

Left: 117.418+/-103.314 χ^2/NDF: 16.8/10

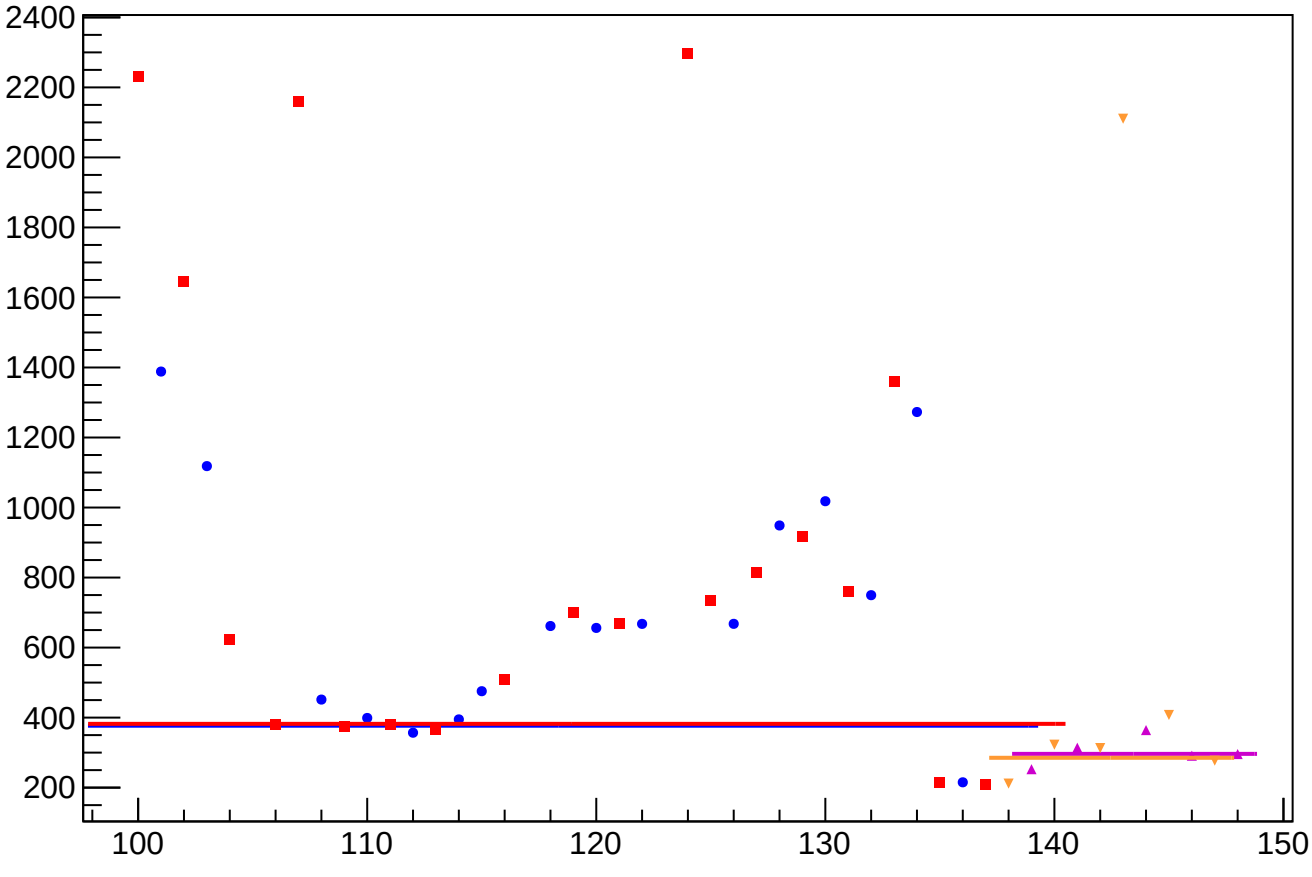
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 28.880+/-78.115 χ^2/NDF: 56.3/45

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: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

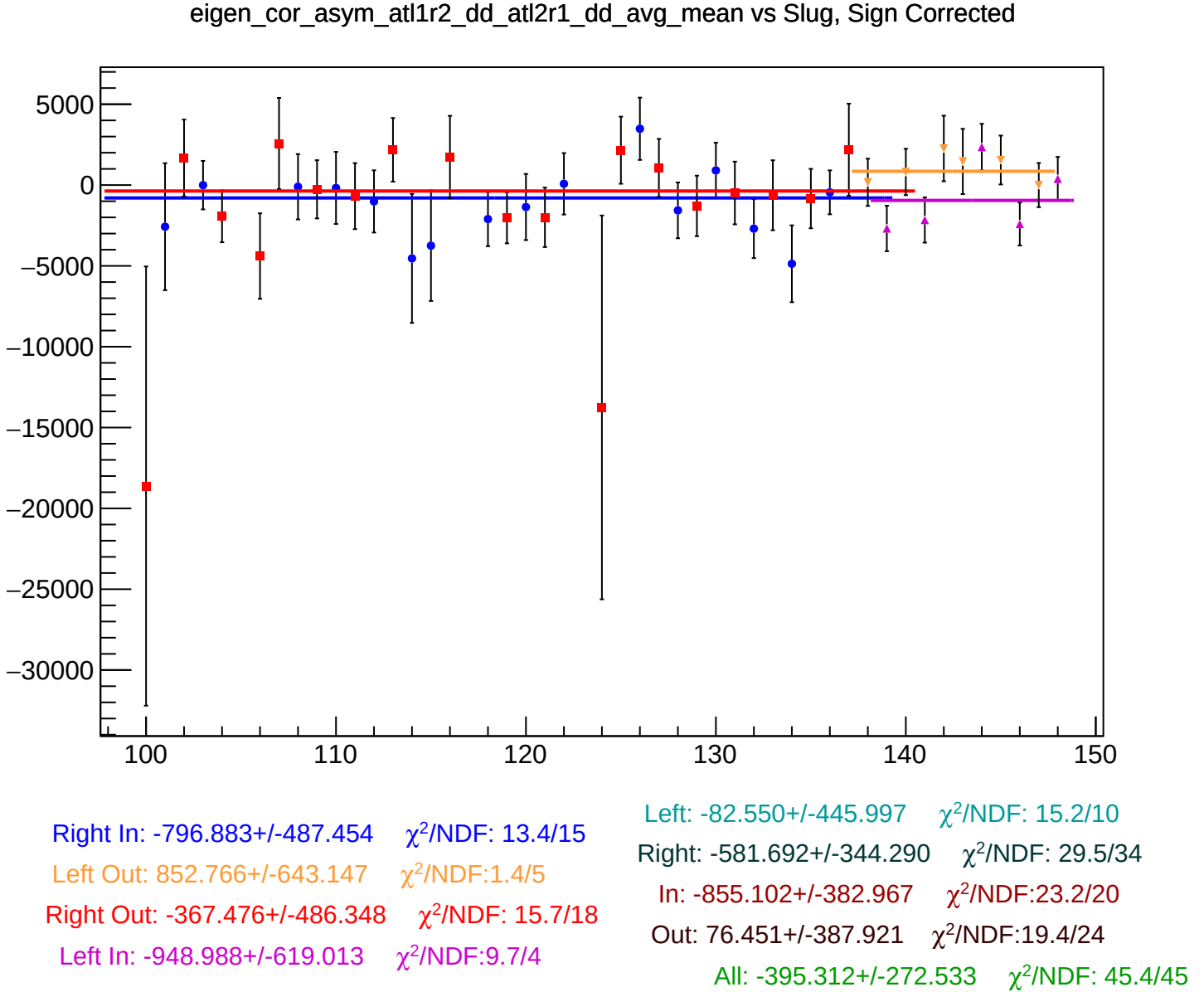
Left: 290.978+/-0.073 χ^2/NDF: 1696815.1/10

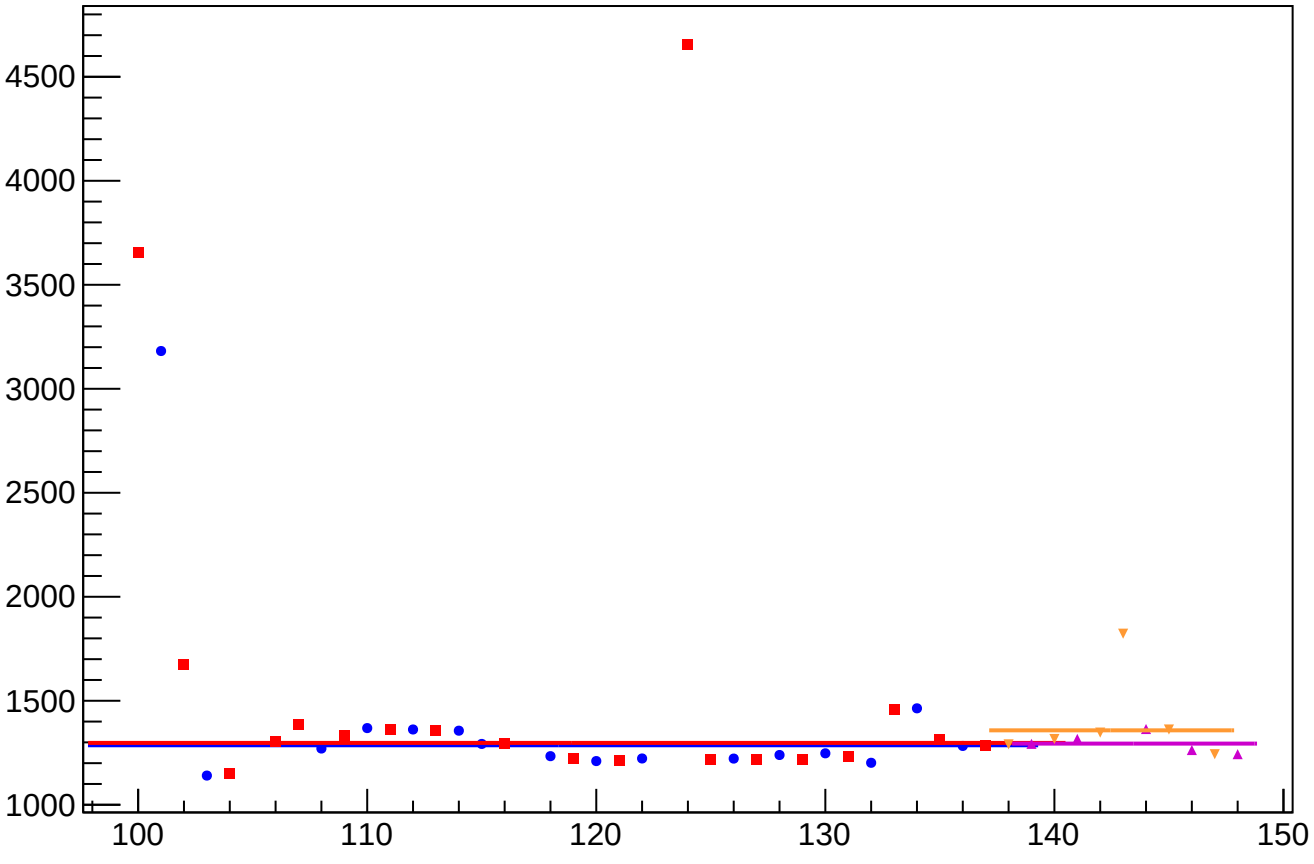
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 852.766+/-643.147 χ²/NDF:1.4/5
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -82.550+/-445.997 χ²/NDF: 15.2/10
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: 76.451+/-387.921 χ²/NDF:19.4/24
All: -395.312+/-272.533 χ²/NDF: 45.4/45



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1294.049+/-0.438 χ^2/NDF:9168.5/4

Left: 1324.722+/-0.315 χ^2/NDF: 145606.9/10

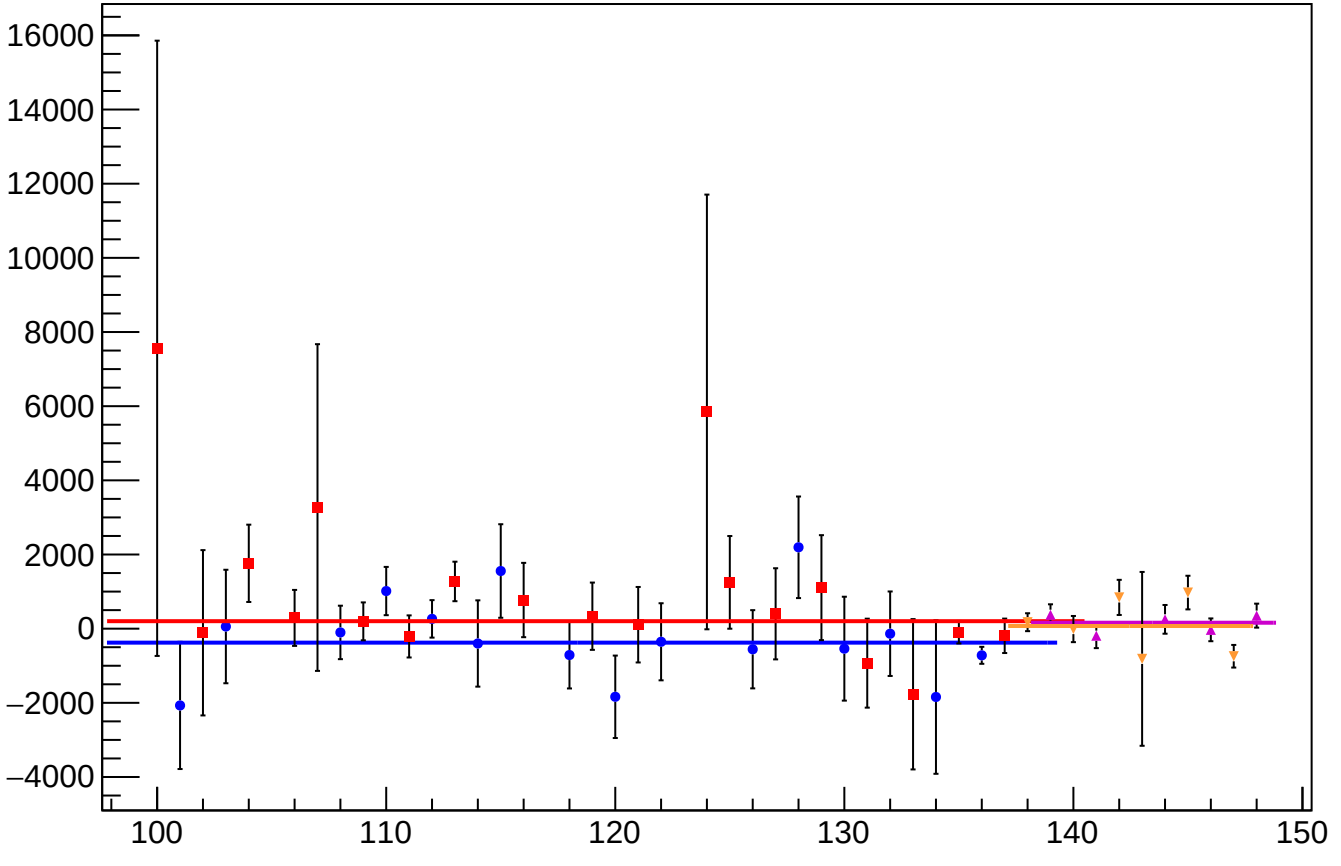
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1304.067+/-0.193 χ^2/NDF: 998861.2/45

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 160.282+/-143.928 χ^2/NDF:2.5/4

Left: 117.418+/-103.314 χ^2/NDF: 16.8/10

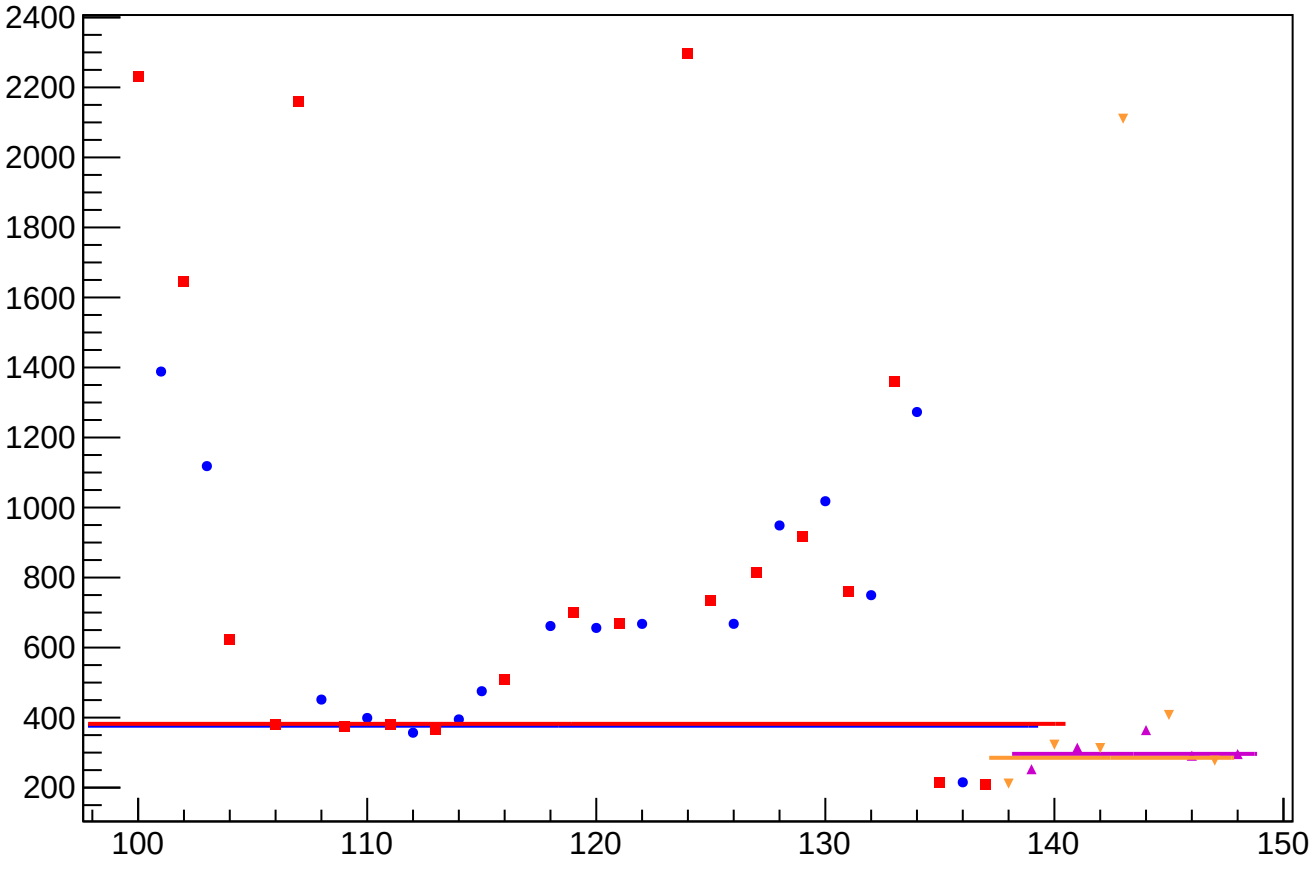
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 28.880+/-78.115 χ^2/NDF: 56.3/45

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: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

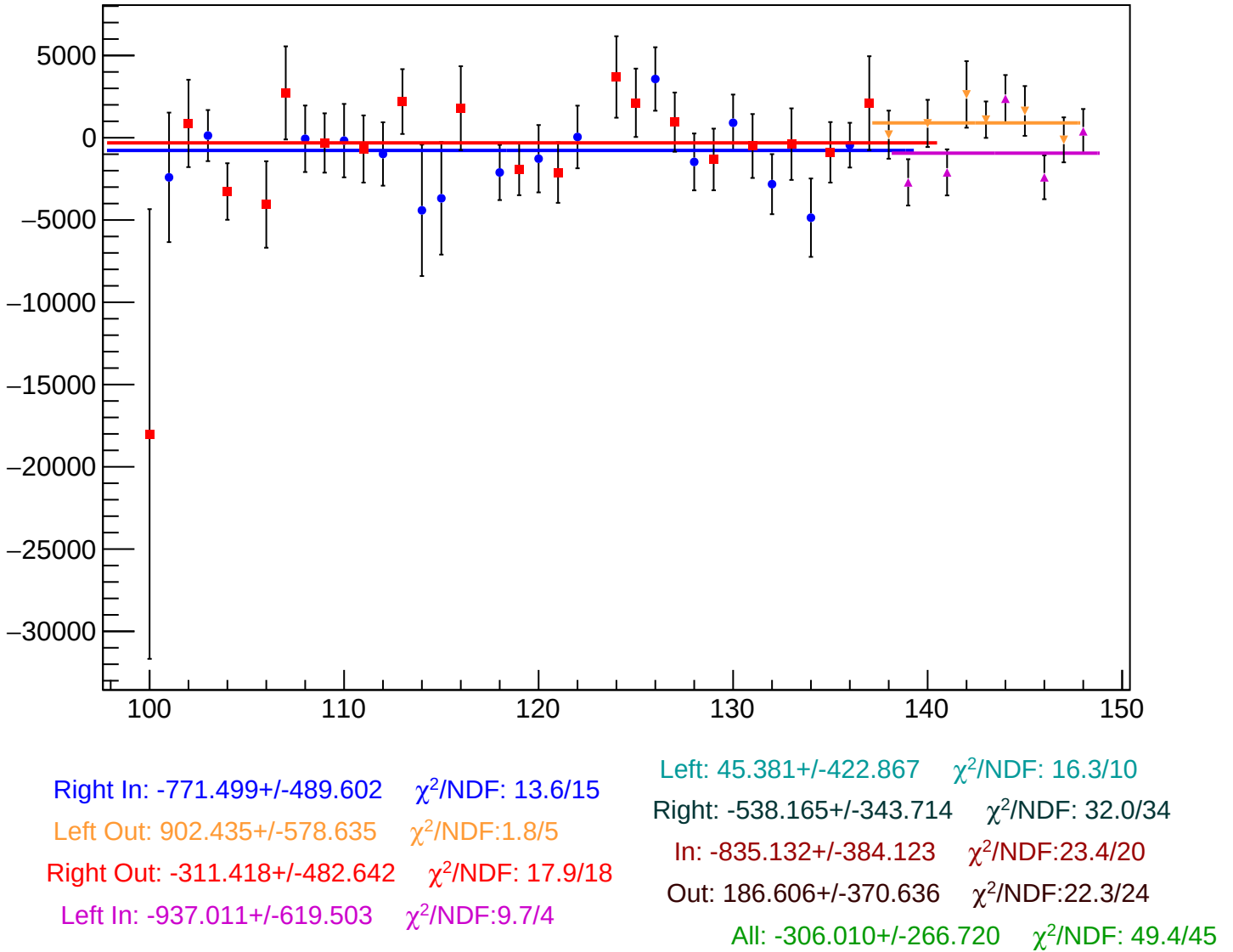
Left: 290.978+/-0.073 χ^2/NDF: 1696815.1/10

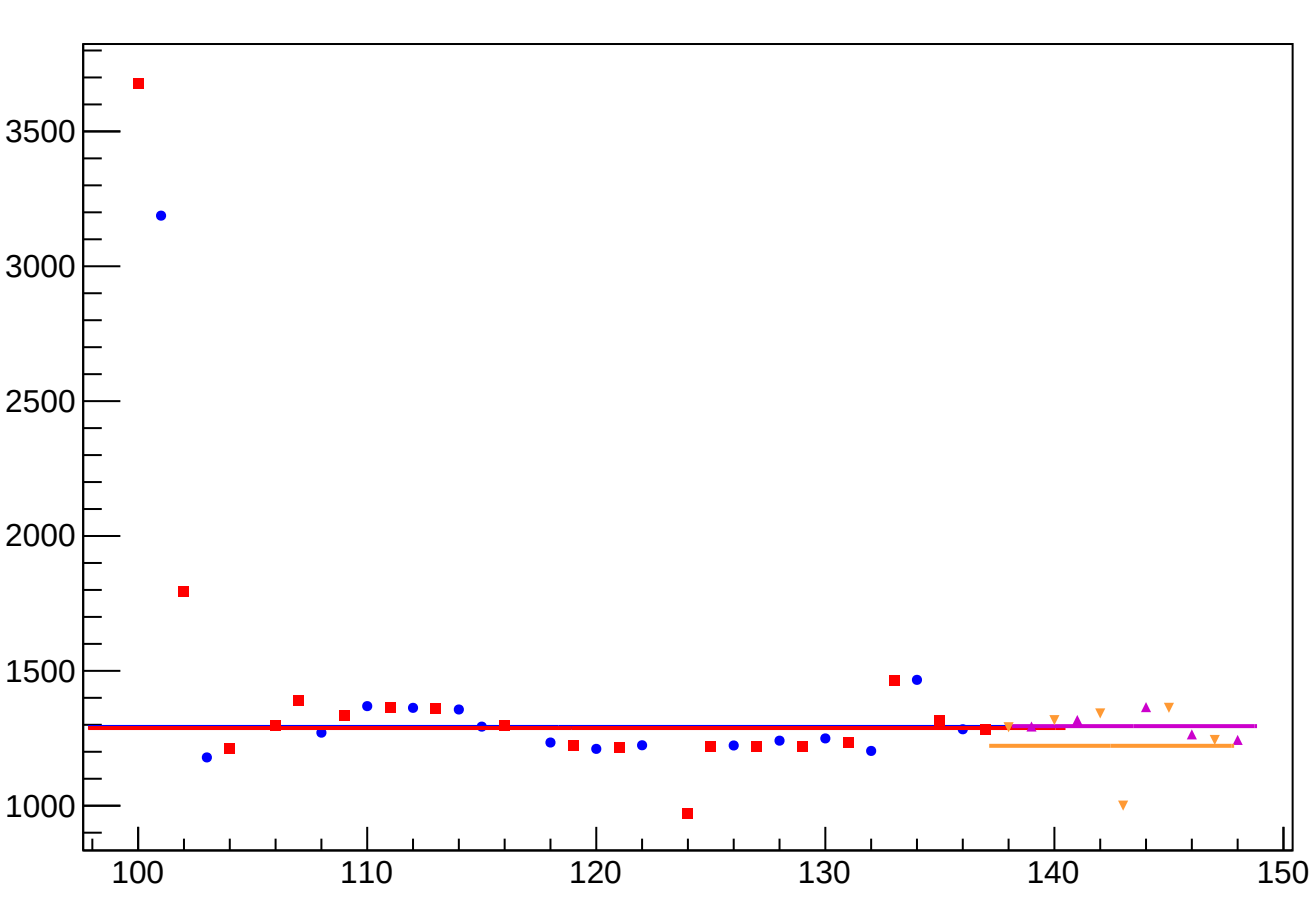
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 328.891+/-0.055 χ^2/NDF: 10579498.4/45


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 902.435+/-578.635 χ²/NDF:1.8/5
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -937.011+/-619.503 χ²/NDF:9.7/4
Left: 45.381+/-422.867 χ²/NDF: 16.3/10
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 186.606+/-370.636 χ²/NDF:22.3/24
All: -306.010+/-266.720 χ²/NDF: 49.4/45



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118378.4/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

Left: 1256.095+/-0.299 χ^2/NDF: 142413.4/10

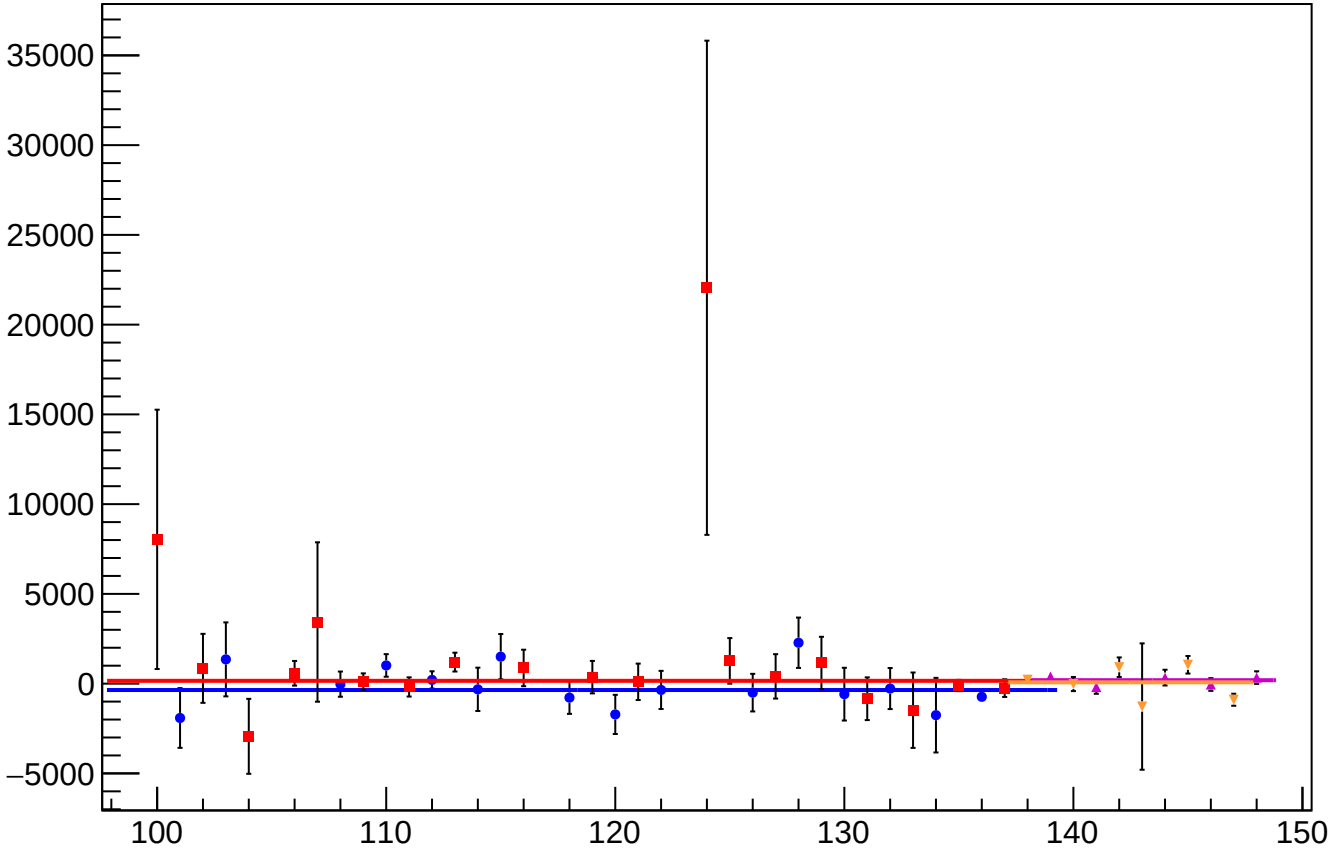
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1260.955+/-0.262 χ^2/NDF:342880.2/24

All: 1276.502+/-0.189 χ^2/NDF: 868832.7/45

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: 72.849+/-158.450 χ^2/NDF:15.3/5

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 192.040+/-155.654 χ^2/NDF:2.3/4

Left: 133.506+/-111.040 χ^2/NDF: 17.9/10

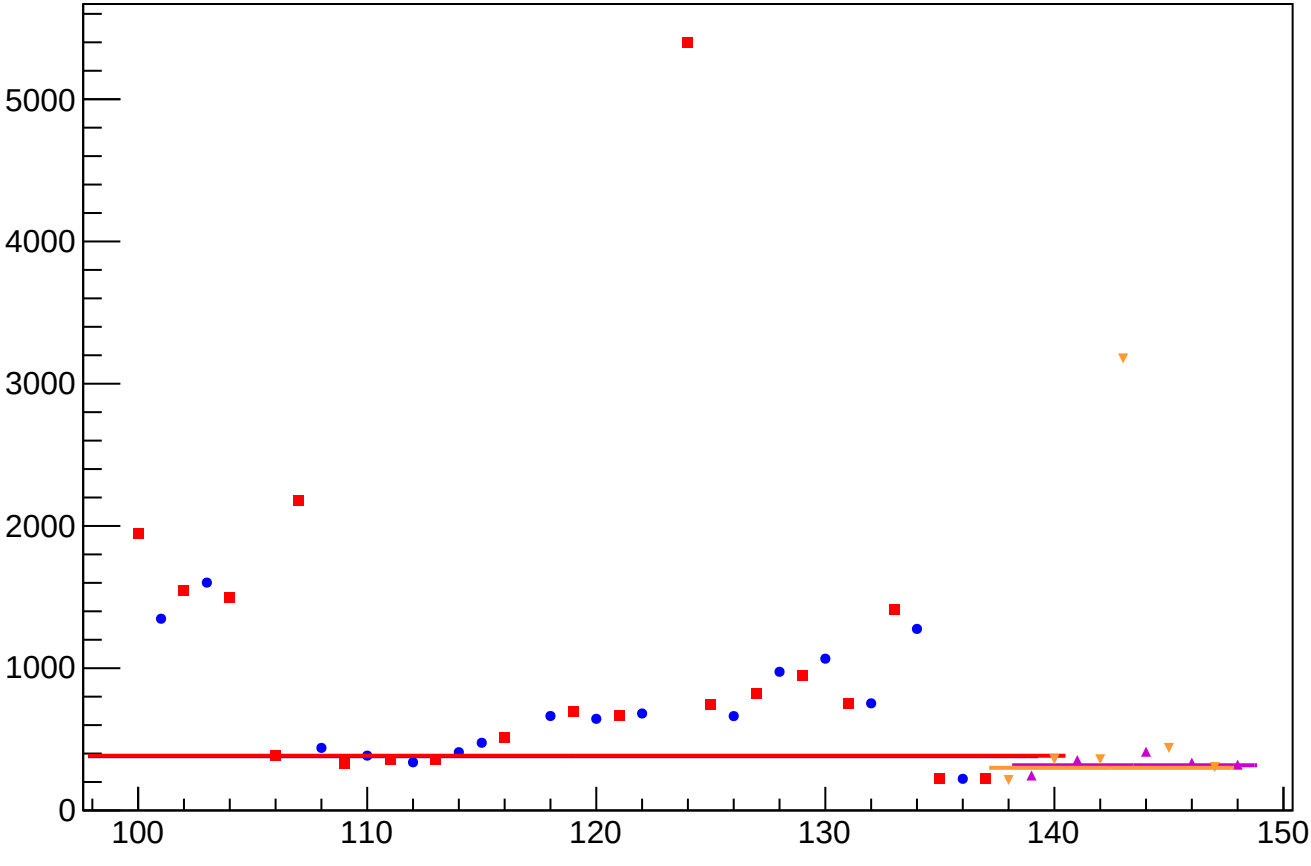
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -57.578+/-114.792 χ^2/NDF:26.4/20

Out: 112.482+/-115.803 χ^2/NDF:31.3/24

All: 26.707+/-81.525 χ^2/NDF: 58.7/45

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: 299.713+/-0.112 χ^2/NDF:1821593.1/5

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

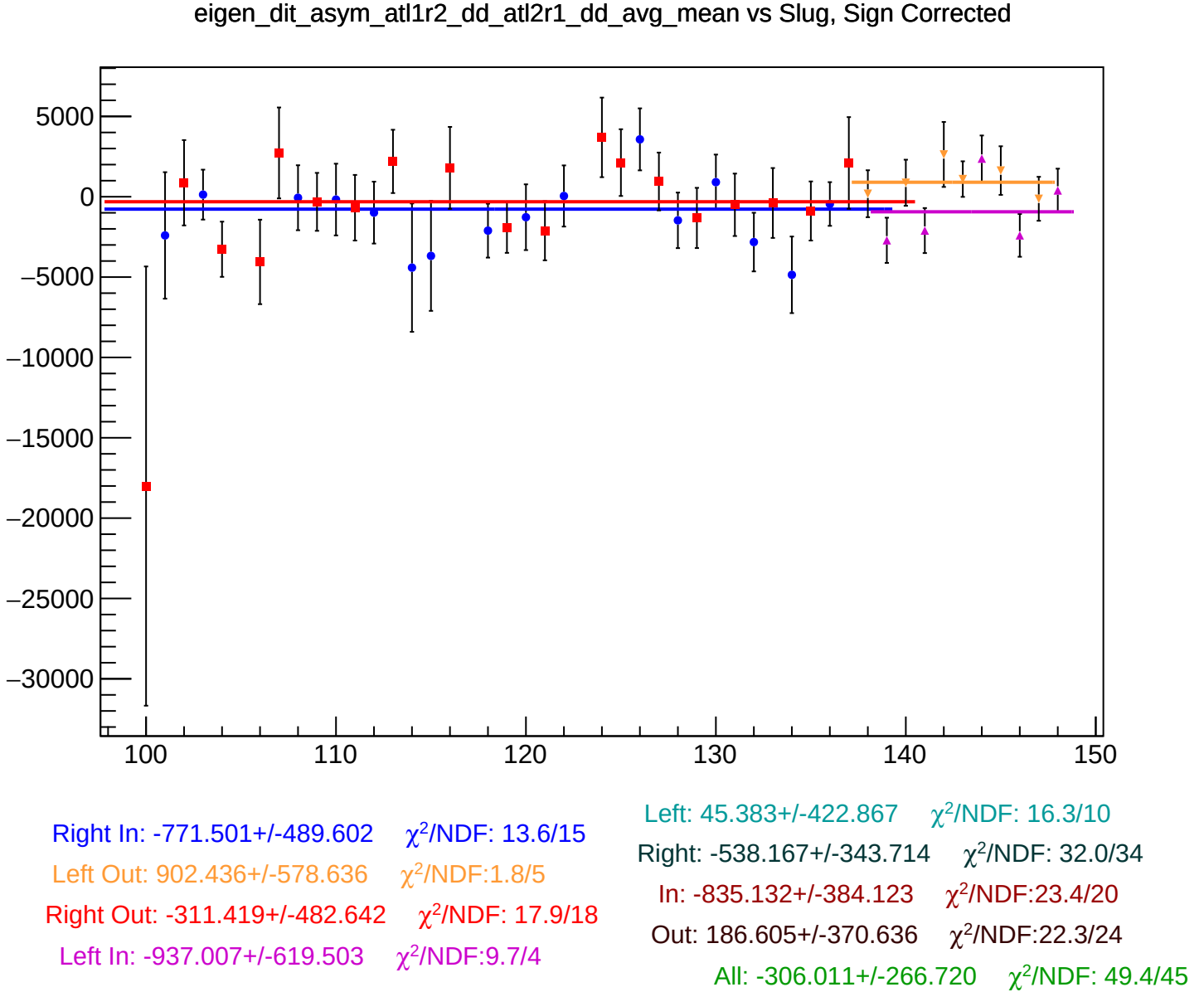
Left: 308.872+/-0.079 χ^2/NDF: 2088631.9/10

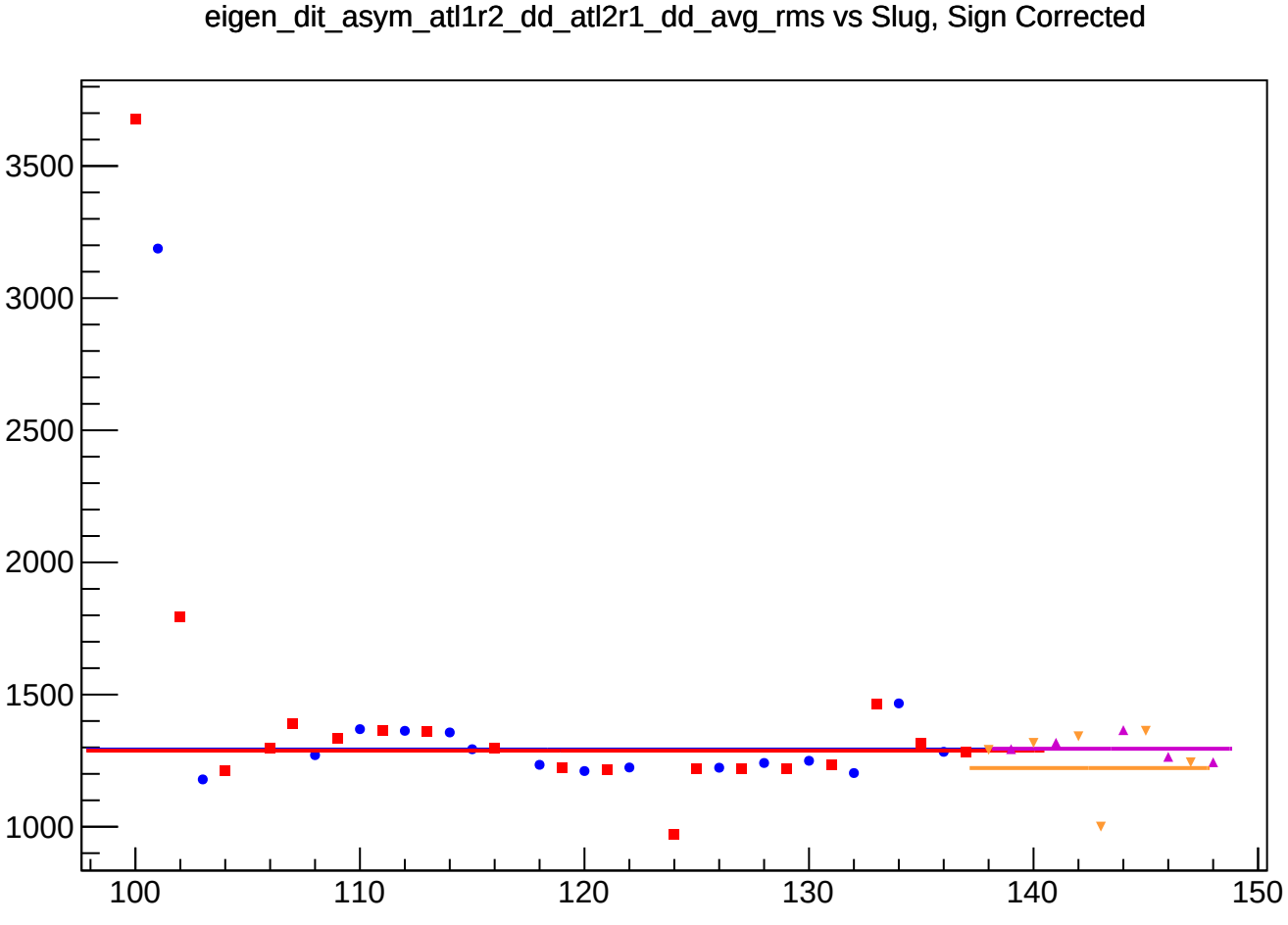
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 346.737+/-0.081 χ^2/NDF:4724318.2/20

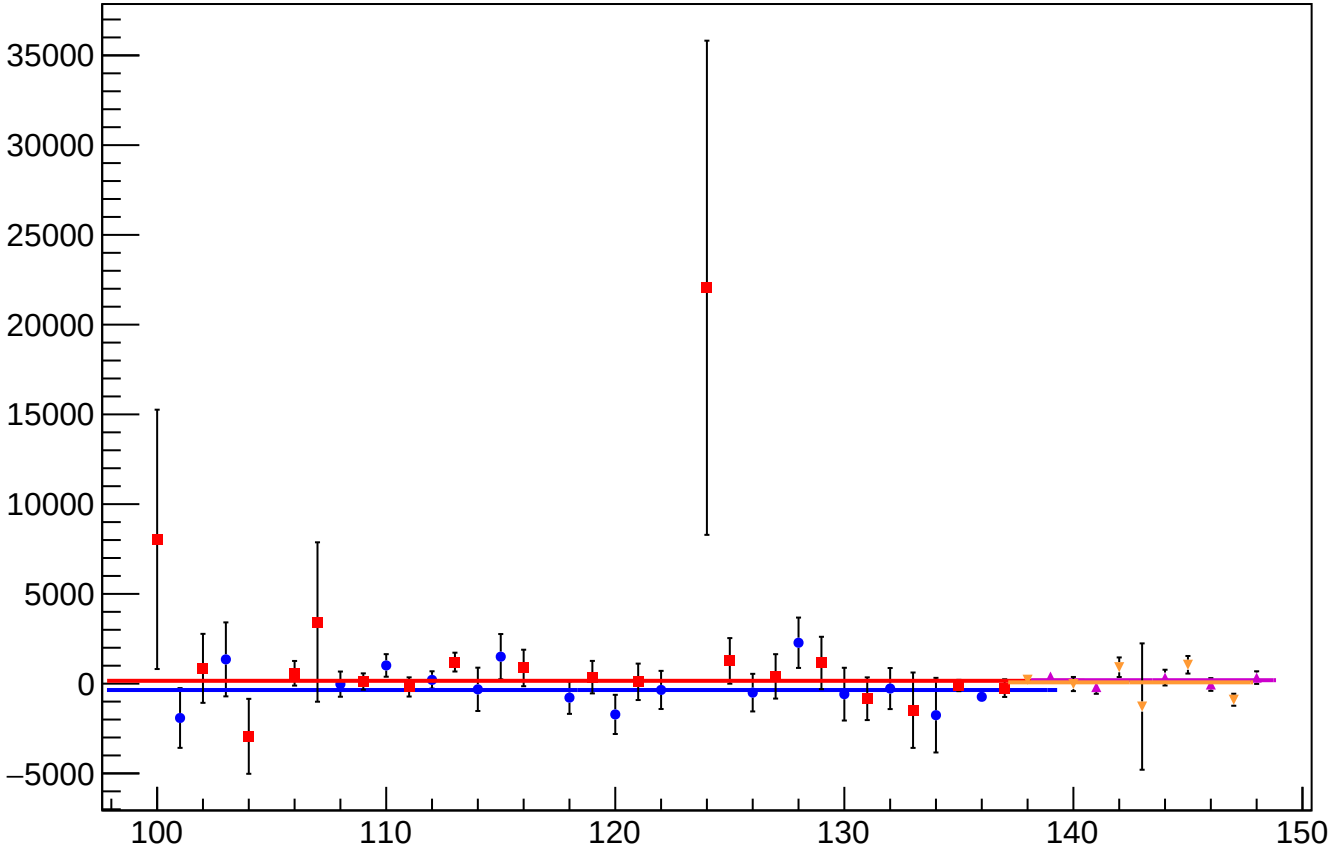
Out: 339.282+/-0.082 χ^2/NDF:6649531.9/24

All: 343.042+/-0.058 χ^2/NDF: 11378030.4/45


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 902.436+/-578.636 χ²/NDF:1.8/5
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -937.007+/-619.503 χ²/NDF:9.7/4
Left: 45.383+/-422.867 χ²/NDF: 16.3/10
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 186.605+/-370.636 χ²/NDF:22.3/24
All: -306.011+/-266.720 χ²/NDF: 49.4/45


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1292.038+/-0.346 χ²/NDF: 509406.2/15
Left Out: 1222.099+/-0.409 χ²/NDF:118377.7/5
Right Out: 1287.988+/-0.341 χ²/NDF: 209209.1/18
Left In: 1295.063+/-0.438 χ²/NDF:9218.0/4
Left: 1256.095+/-0.299 χ²/NDF: 142412.5/10
Right: 1289.984+/-0.243 χ²/NDF: 718684.7/34
In: 1293.201+/-0.272 χ²/NDF:518653.6/20
Out: 1260.955+/-0.262 χ²/NDF:342879.6/24
All: 1276.502+/-0.189 χ²/NDF: 868832.0/45

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: 72.844+/-158.455 χ^2/NDF:15.3/5

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 192.041+/-155.657 χ^2/NDF:2.3/4

Left: 133.504+/-111.042 χ^2/NDF: 17.9/10

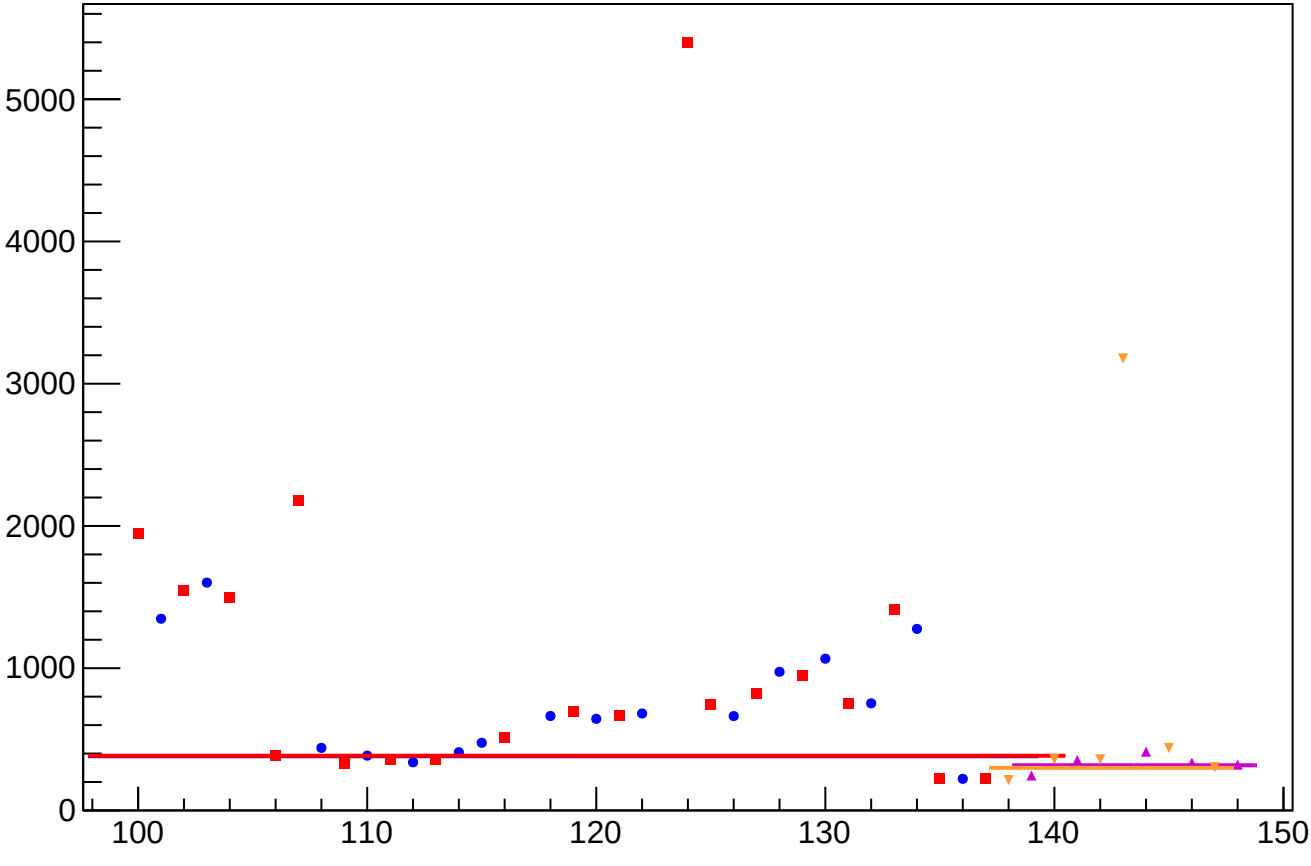
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -57.577+/-114.794 χ^2/NDF:26.4/20

Out: 112.483+/-115.805 χ^2/NDF:31.3/24

All: 26.707+/-81.527 χ^2/NDF: 58.7/45

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: 299.724+/-0.112 χ^2/NDF:1821493.1/5

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

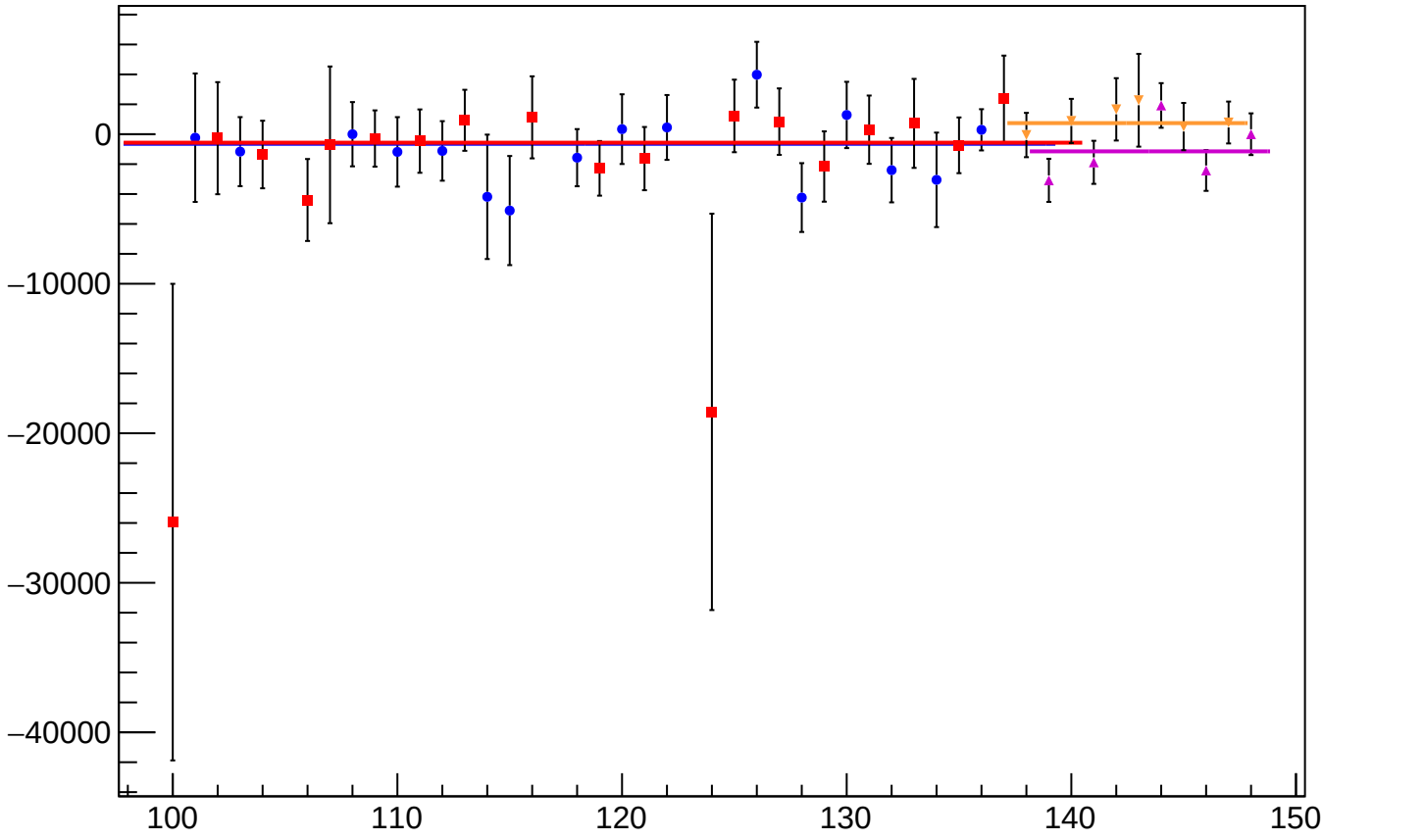
Left: 308.881+/-0.079 χ^2/NDF: 2088456.9/10

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 346.745+/-0.081 χ^2/NDF:4724072.8/20

Out: 339.292+/-0.082 χ^2/NDF:6649265.8/24

All: 343.051+/-0.058 χ^2/NDF: 11377517.2/45



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 743.411+/-680.775 χ^2/NDF:0.8/5

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1147.000+/-637.213 χ^2/NDF:7.9/4

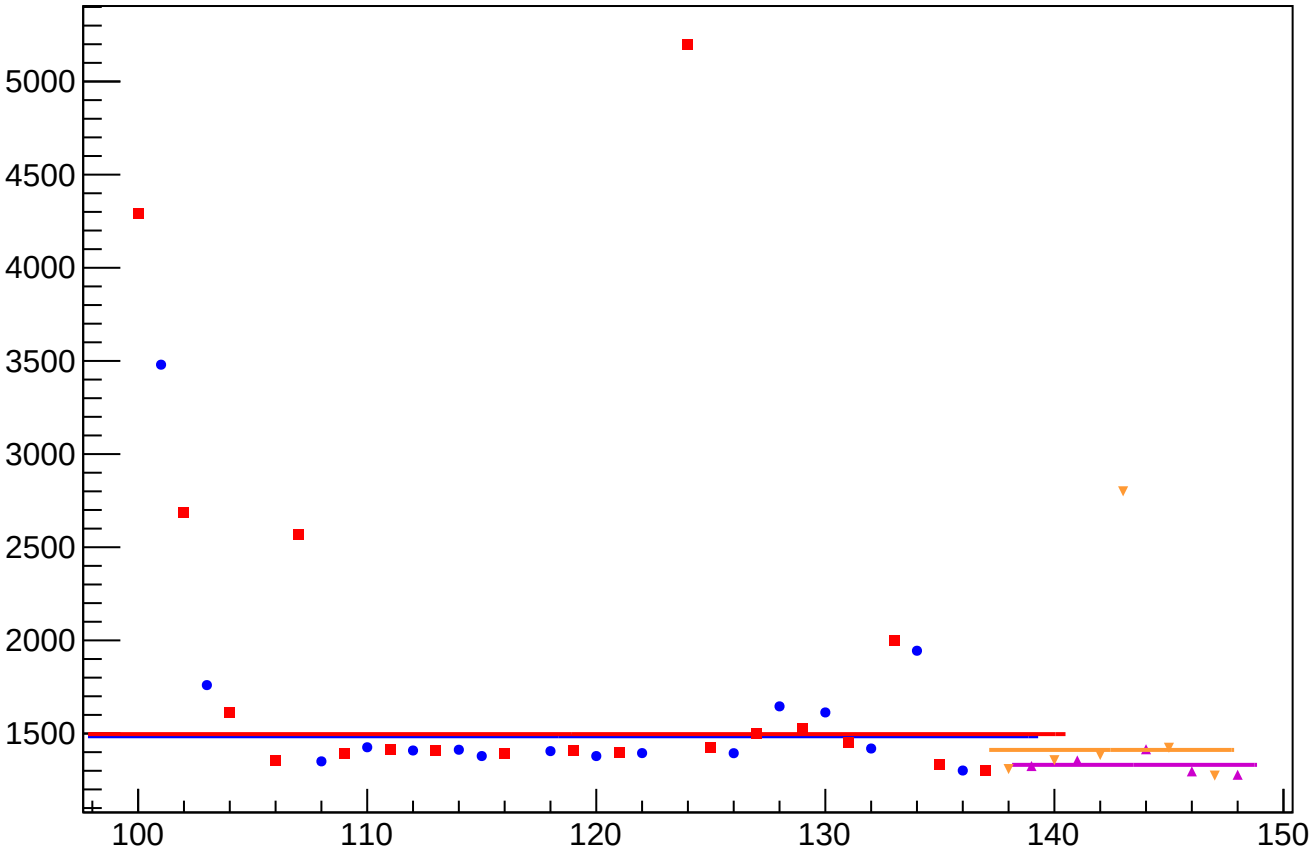
Left: -264.208+/-465.216 χ^2/NDF: 12.7/10

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -863.337+/-422.485 χ^2/NDF:20.7/20

Out: -30.698+/-435.577 χ^2/NDF:14.3/24

All: -459.719+/-303.265 χ^2/NDF: 36.8/45



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1412.058+/-0.481 χ^2/NDF:432421.5/5

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

Left: 1369.319+/-0.329 χ^2/NDF: 458293.2/10

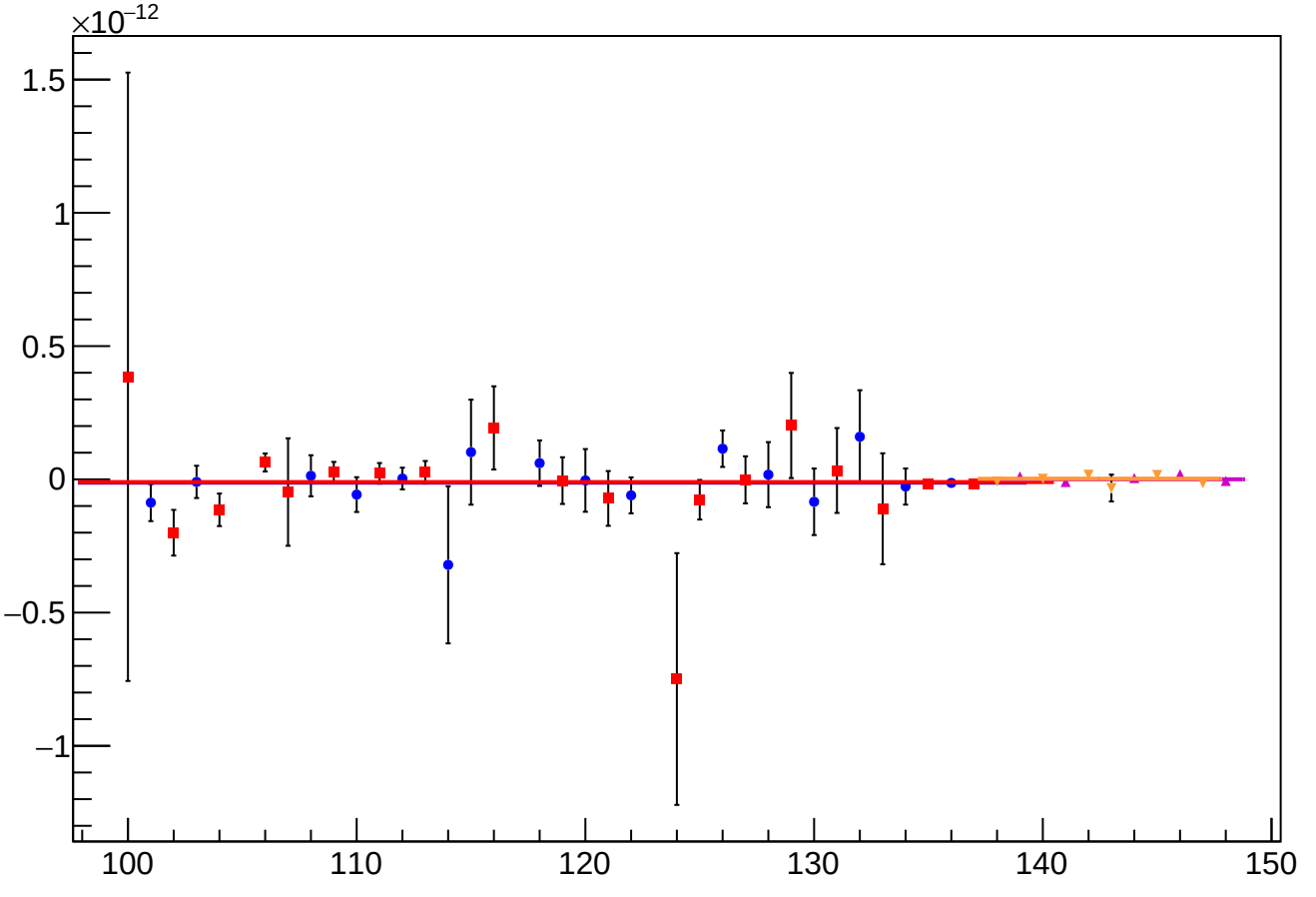
Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1417.894+/-0.299 χ^2/NDF:660589.5/20

Out: 1462.147+/-0.308 χ^2/NDF:1074046.0/24

All: 1439.346+/-0.214 χ^2/NDF: 1745272.4/45

asym_atl1r2_dd_atl2r1_dd_avg_reg_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:8.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

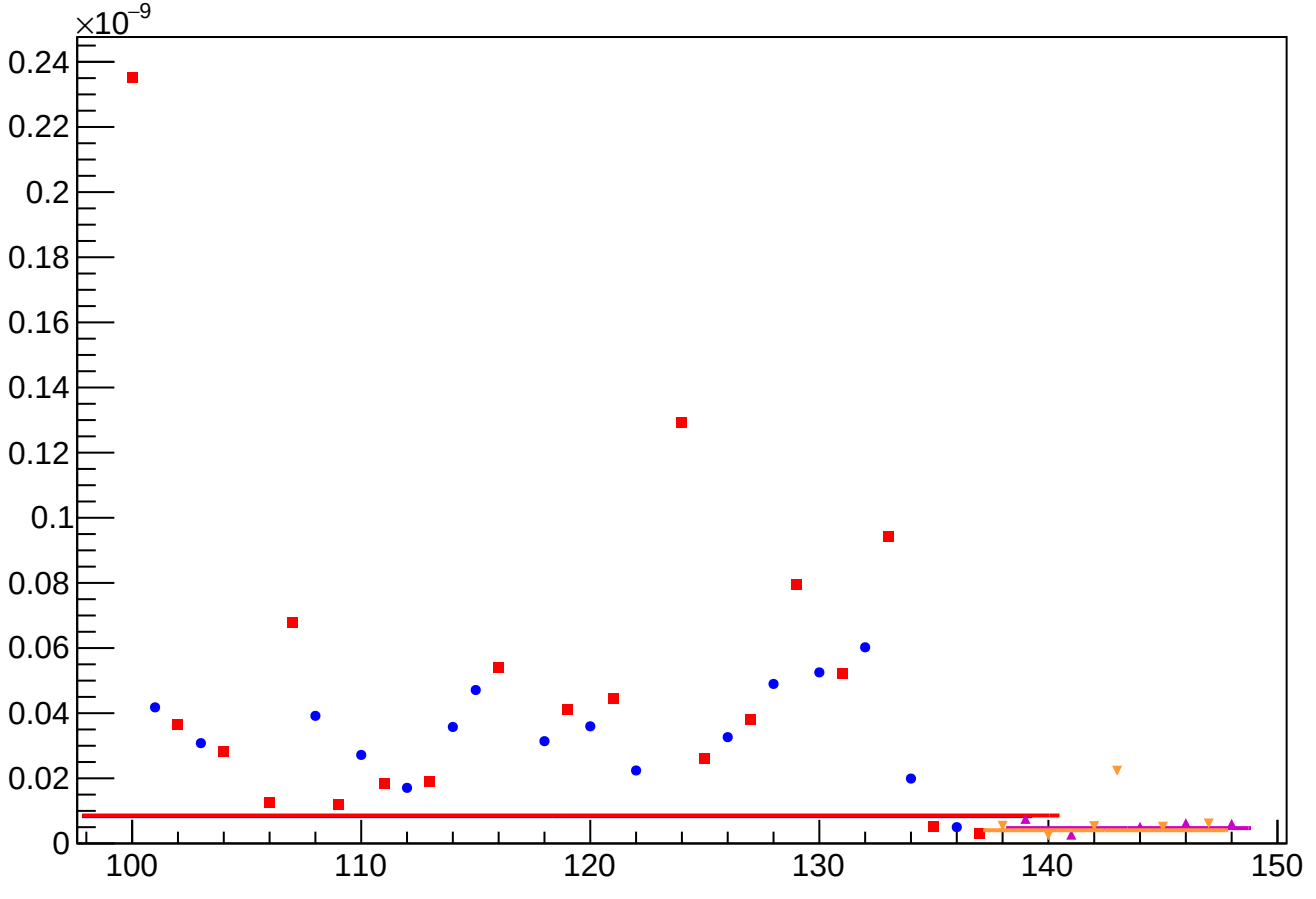
Left: 0.000+/-0.000 χ^2/NDF: 16.9/10

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.9/20

Out: 0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 53.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:641236.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:456853.5/4

Left: 0.000+/-0.000 χ^2/NDF: 1130866.8/10

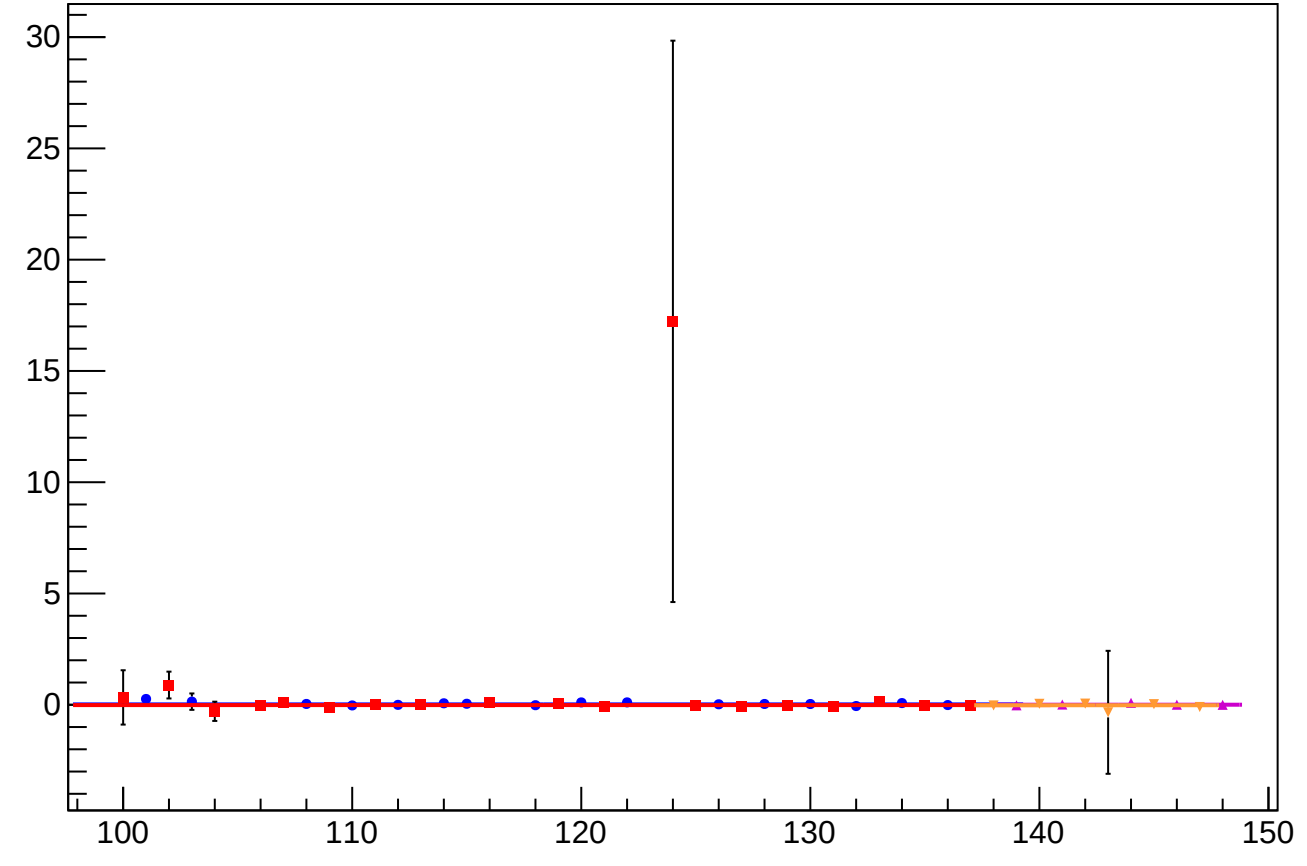
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3907078.9/20

Out: 0.000+/-0.000 χ^2/NDF:4526640.6/24

All: 0.000+/-0.000 χ^2/NDF: 8478215.1/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

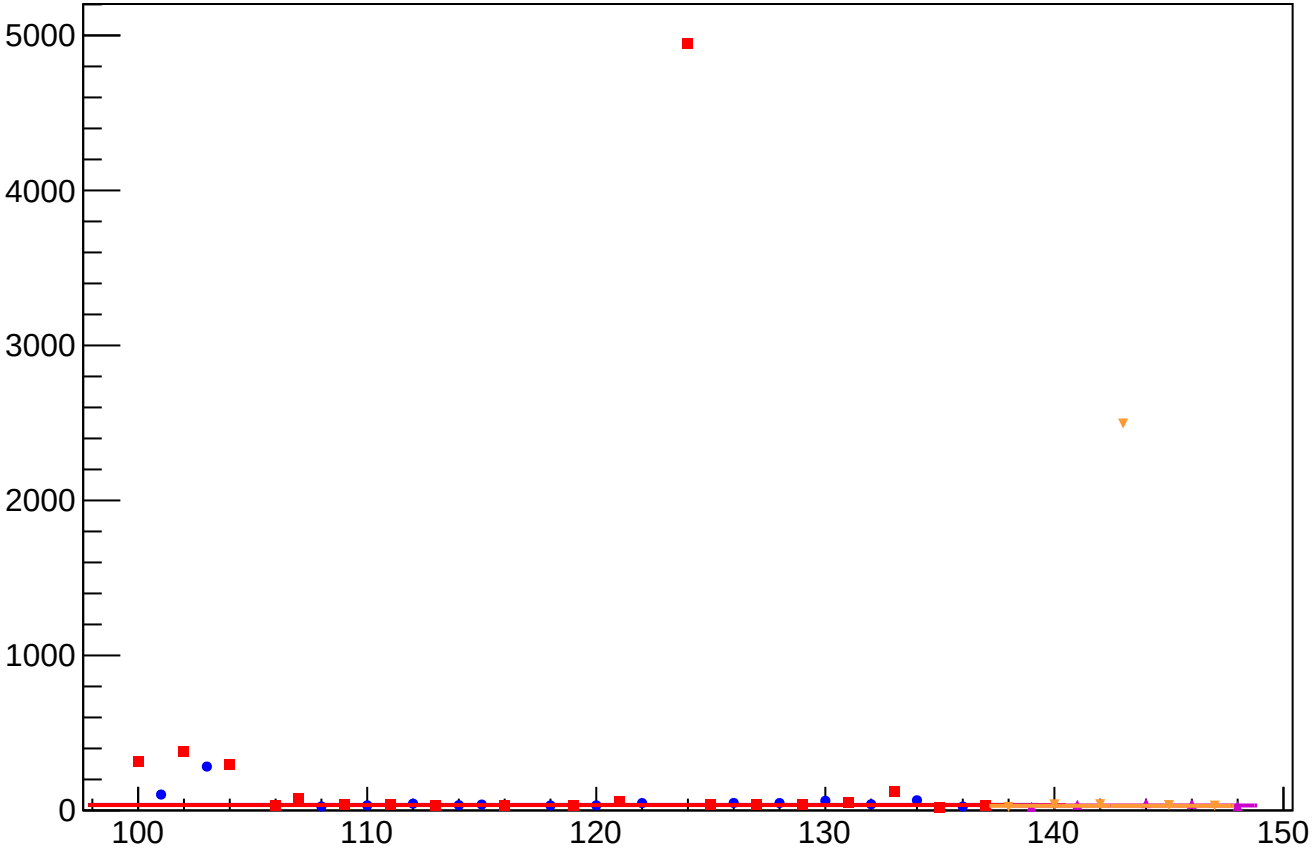
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

Left: 31.154+/-0.009 χ^2/NDF: 2387047.8/10

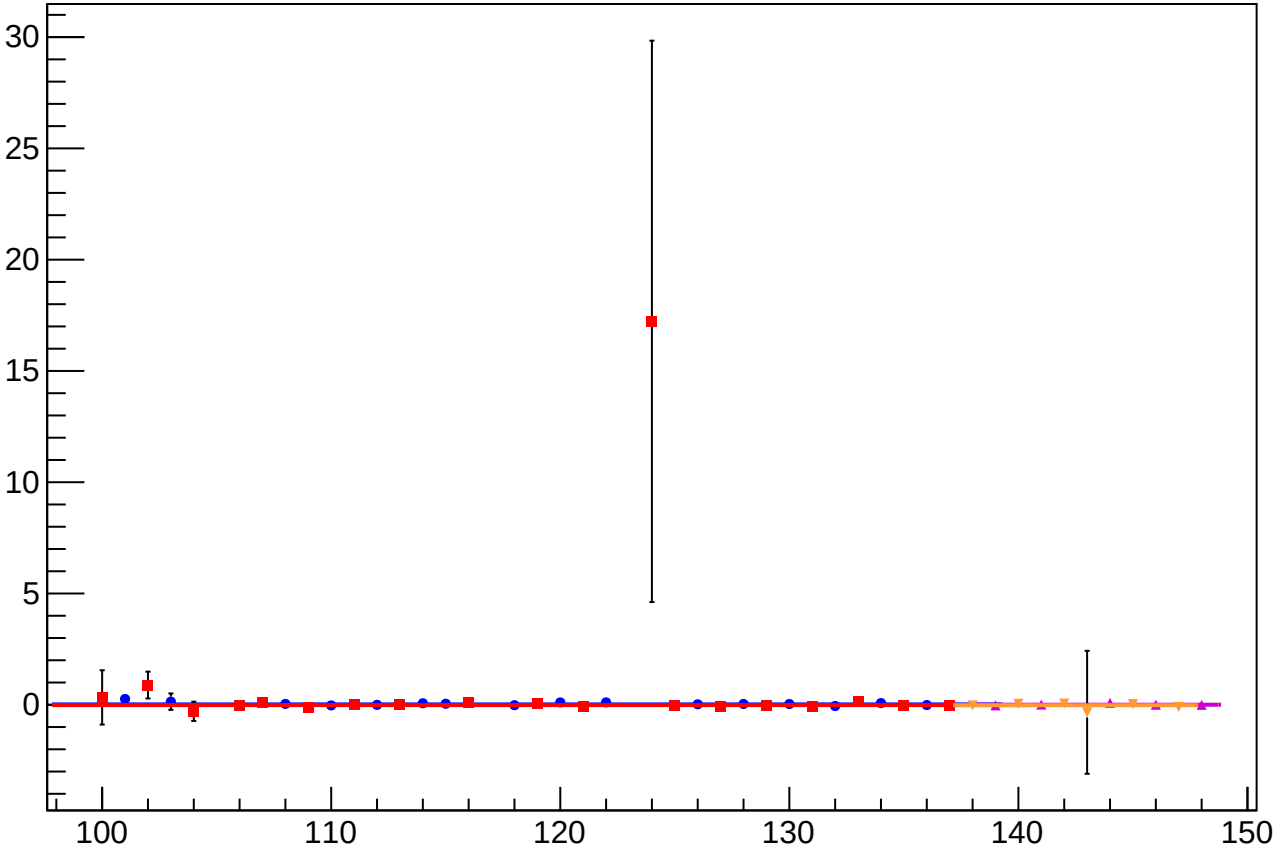
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

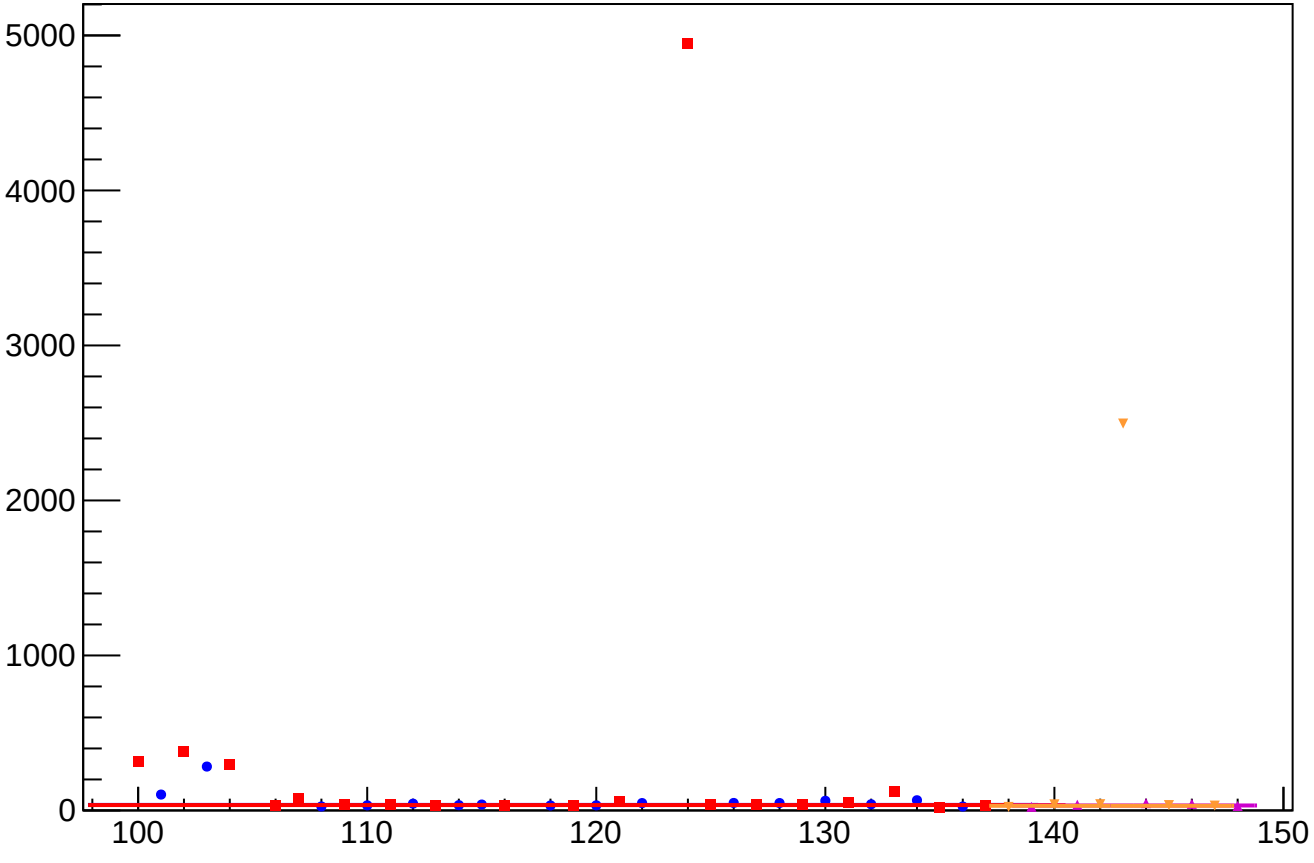
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

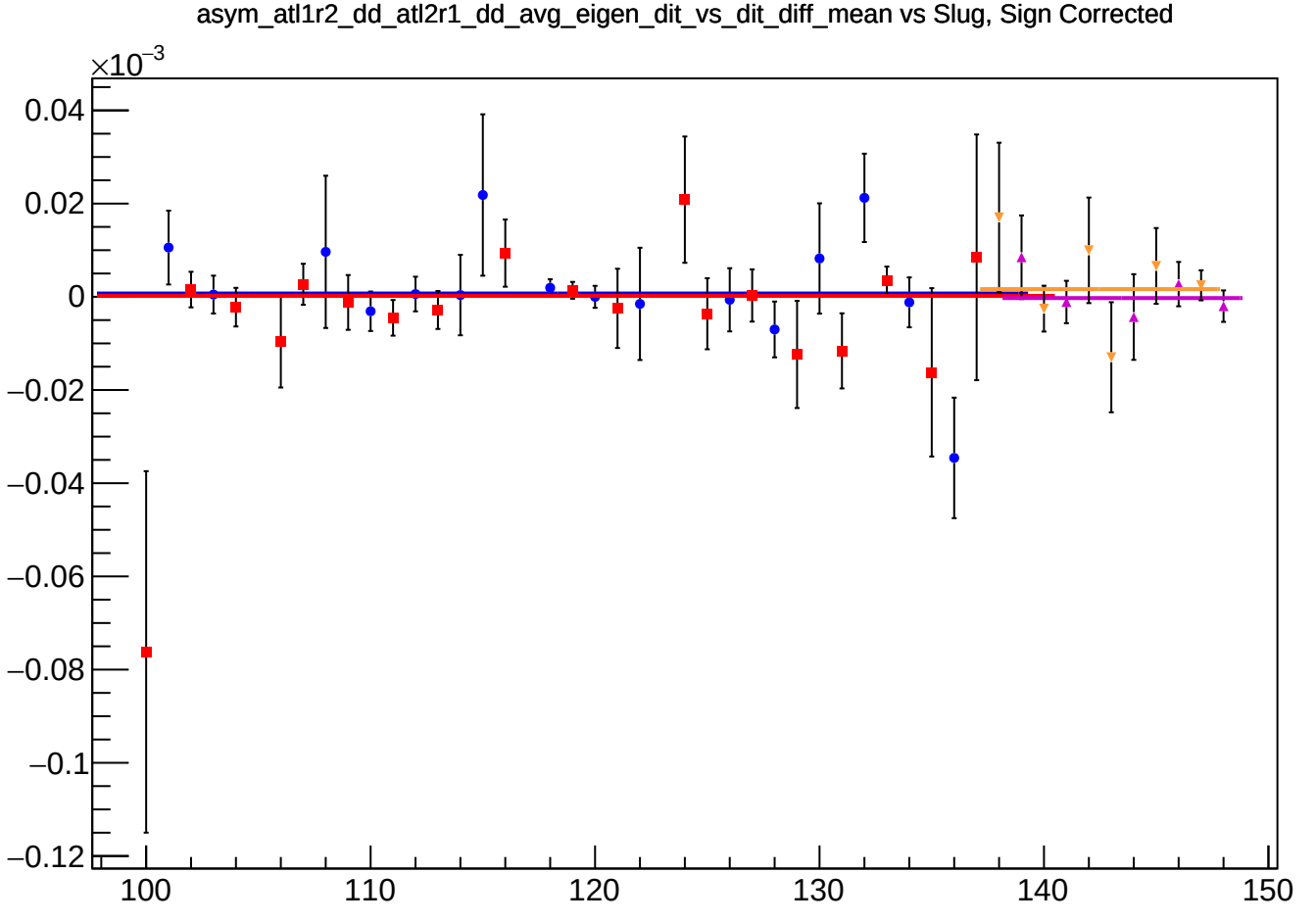
Left: 31.154+/-0.009 χ^2/NDF: 2387047.8/10

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.444+/-0.006 χ^2/NDF: 7694756.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

Left: 0.000+/-0.000 χ^2/NDF: 6.3/10

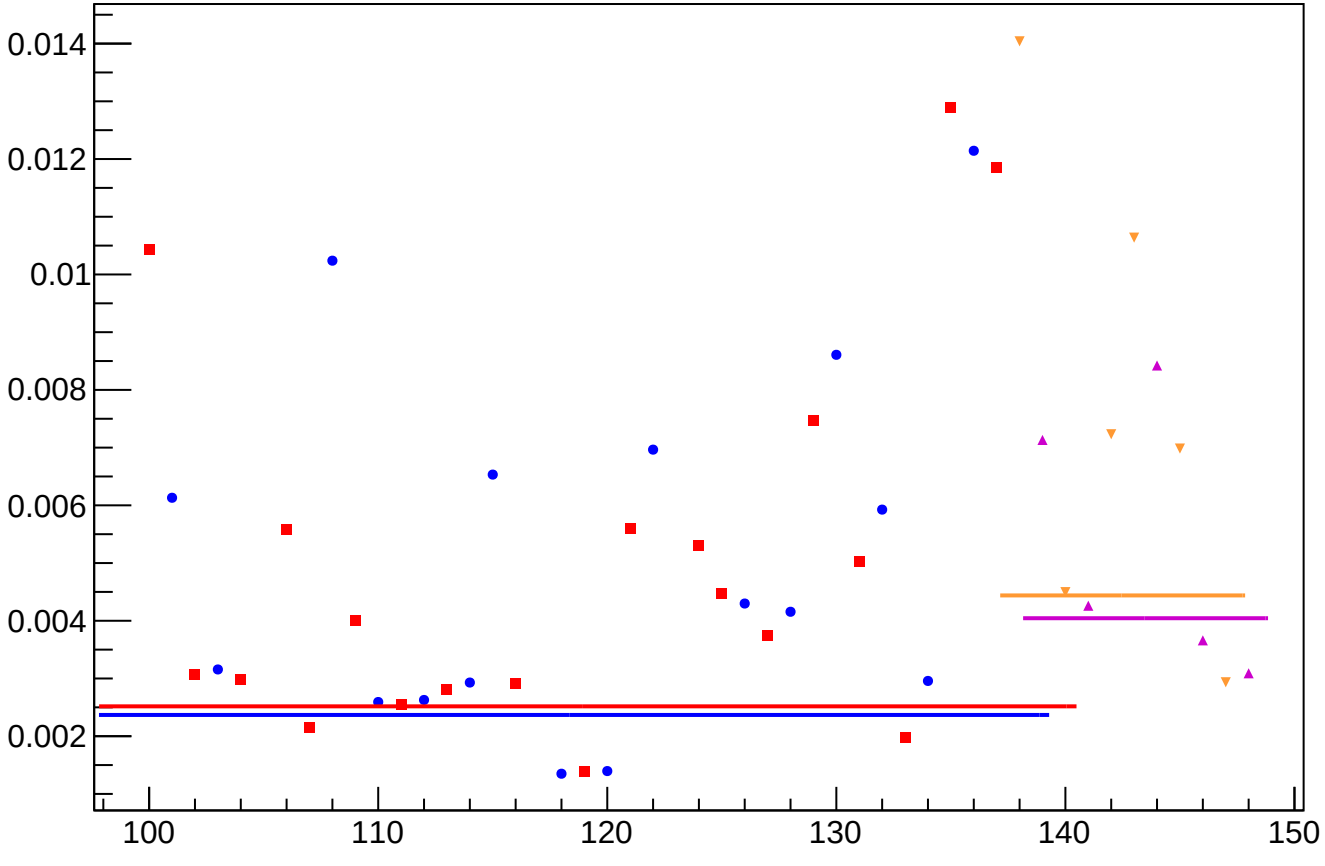
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/20

Out: 0.000+/-0.000 χ^2/NDF:22.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.6/45

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:868570.8/4

Left: 0.004+/-0.000 χ^2/NDF: 2918527.5/10

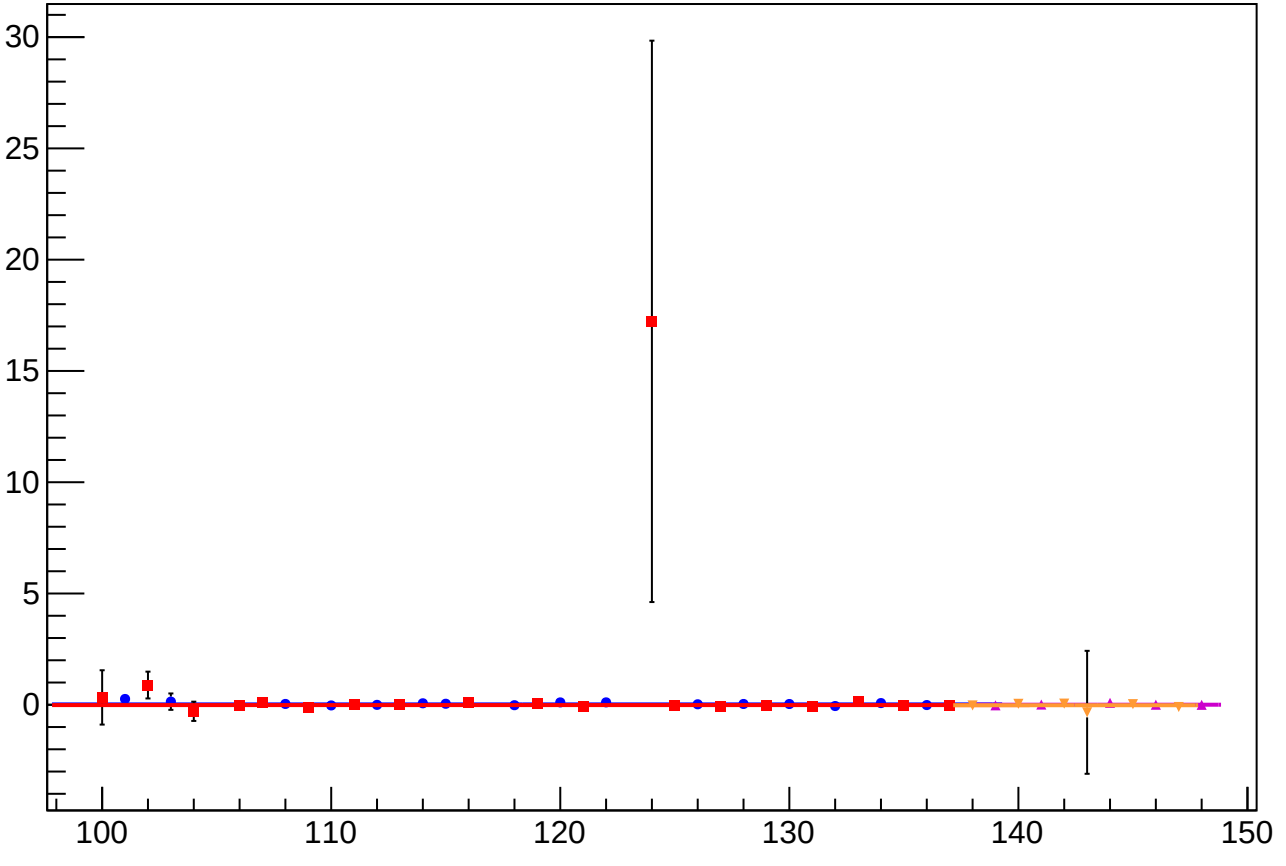
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6509634.3/20

Out: 0.003+/-0.000 χ^2/NDF:6478256.3/24

All: 0.003+/-0.000 χ^2/NDF: 13004299.9/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

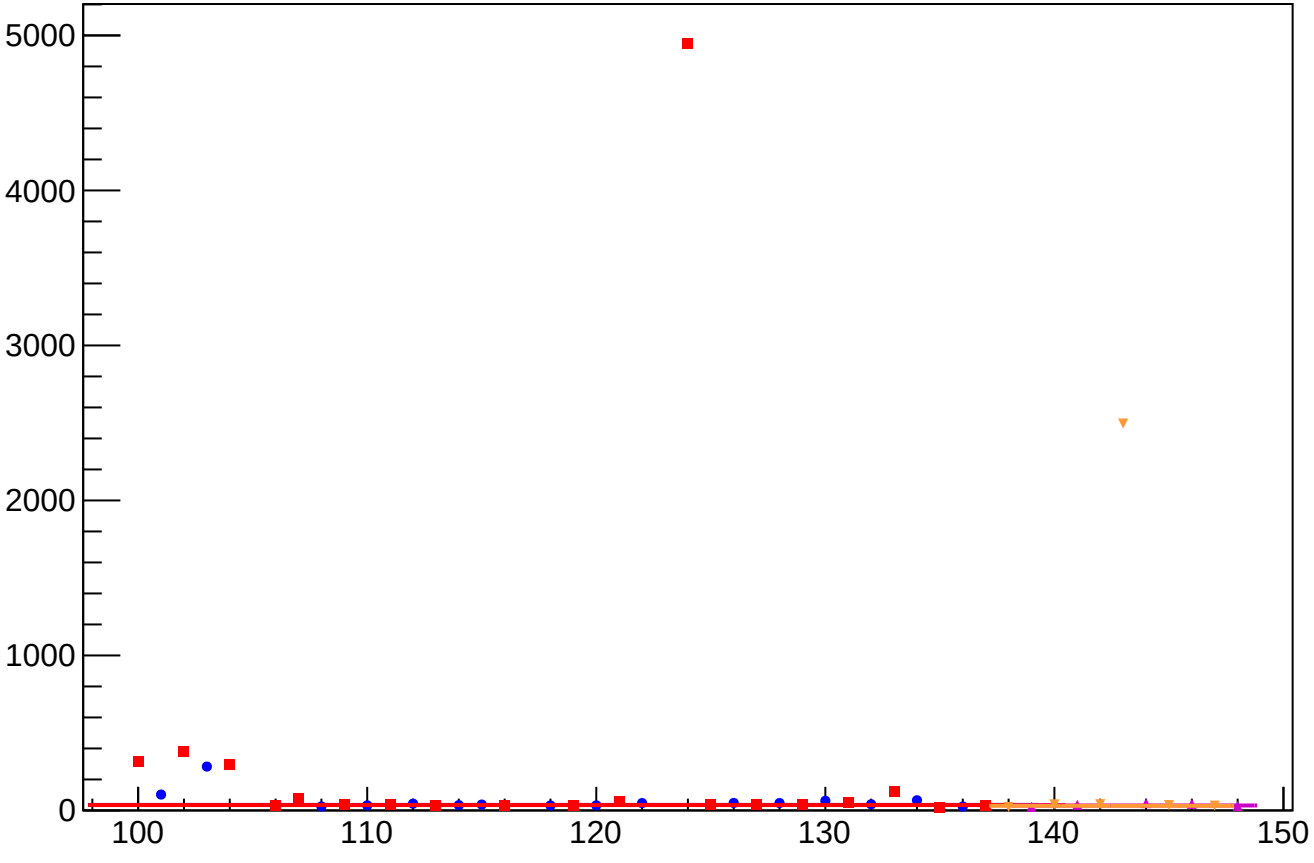
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

Left: 31.152+/-0.009 χ^2/NDF: 2387518.2/10

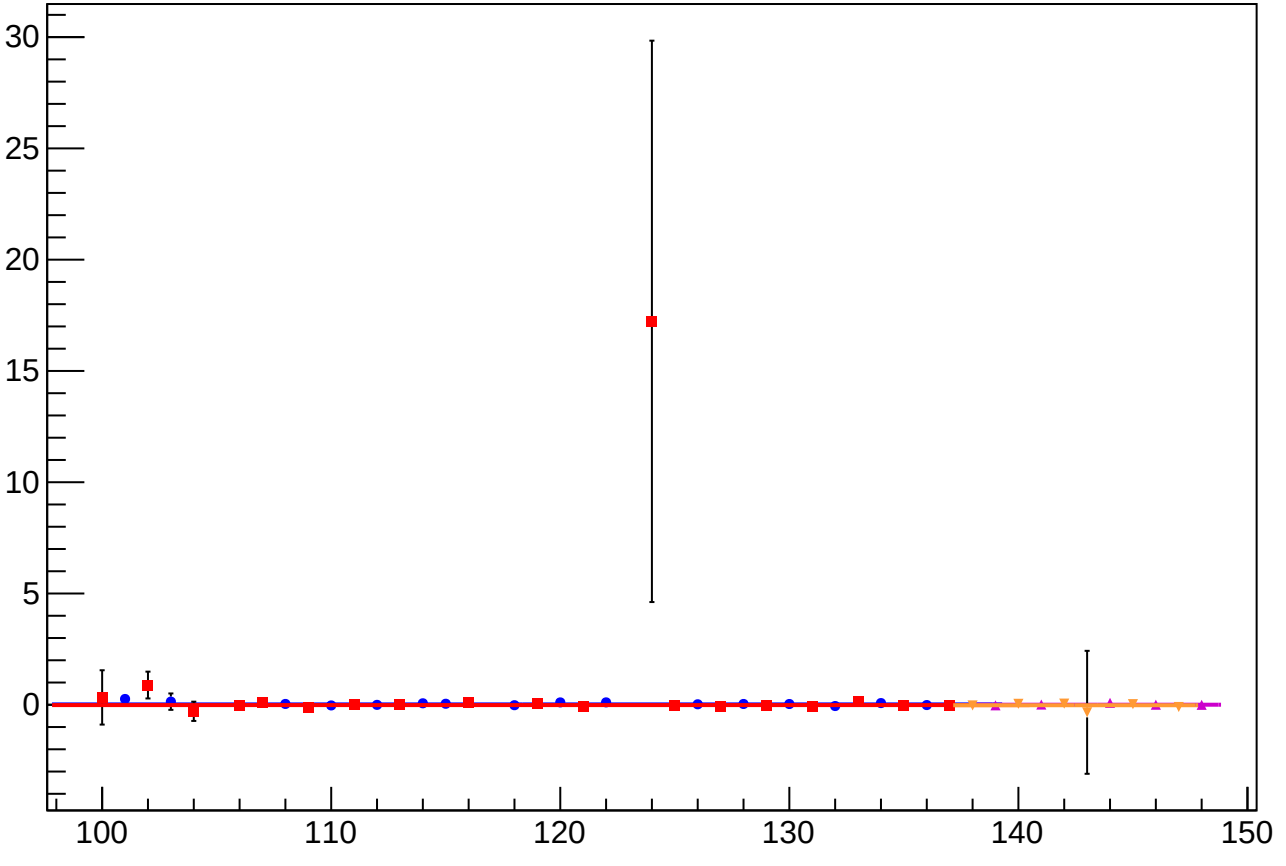
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

Left: -0.009+/-0.012 χ^2/NDF: 13.5/10

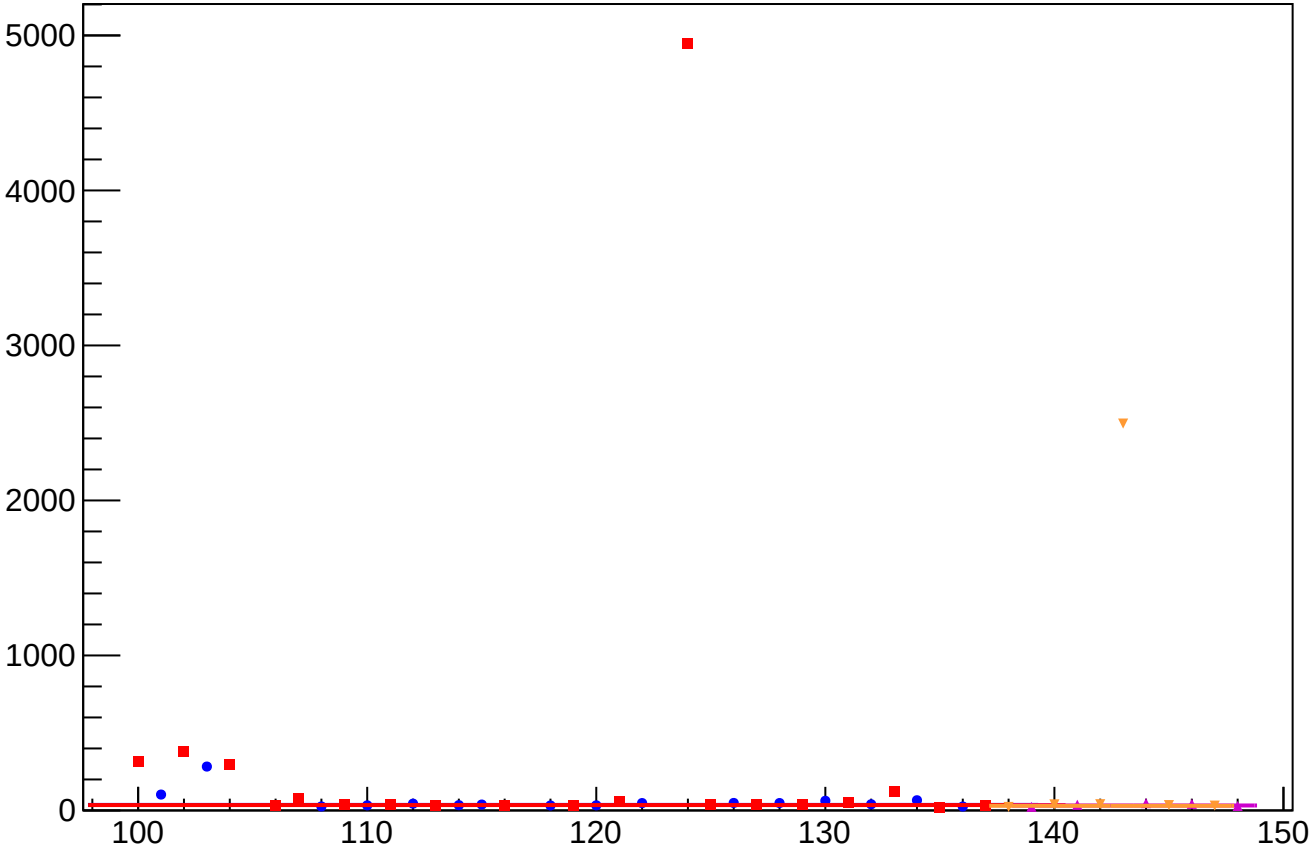
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/45

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

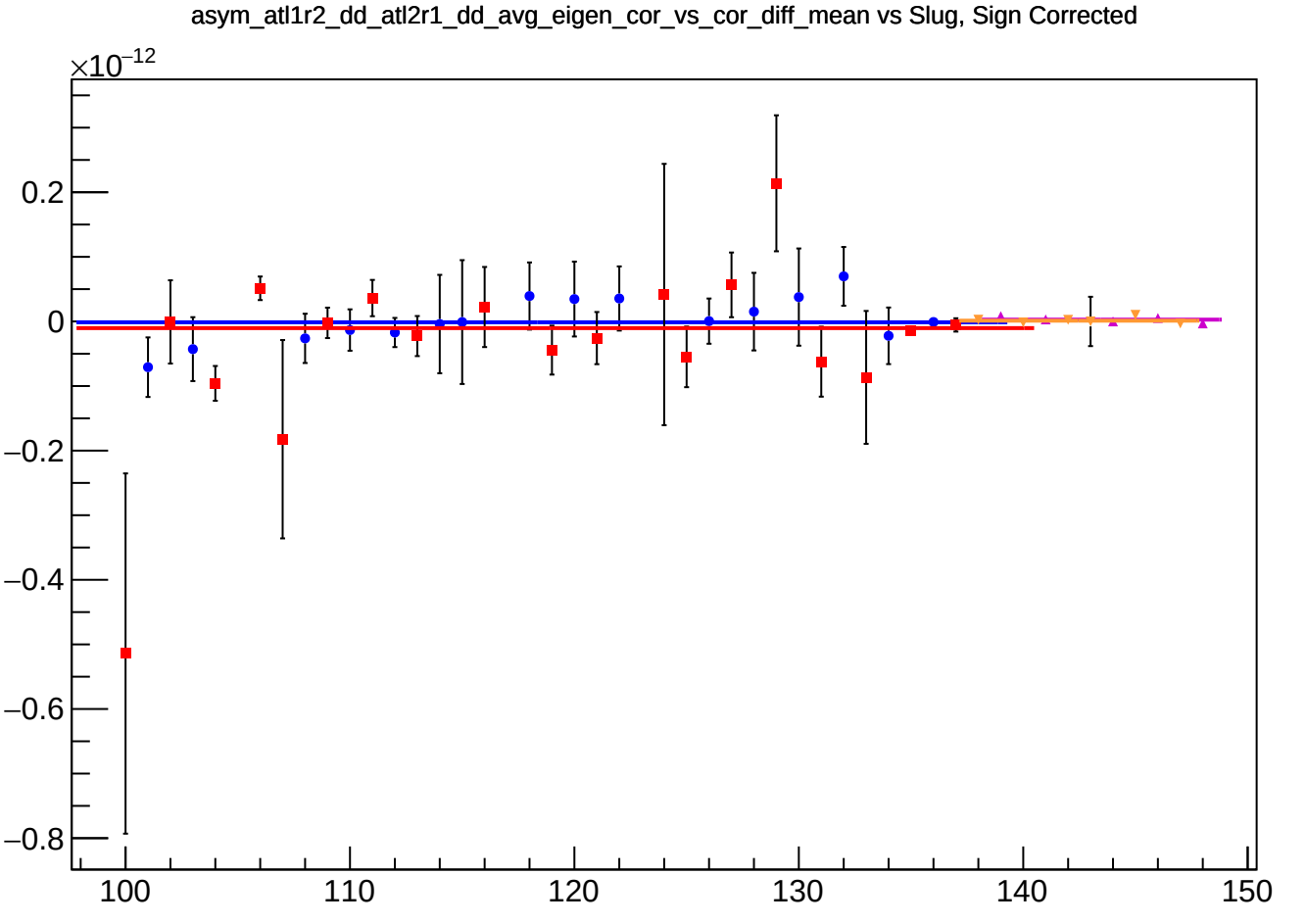
Left: 31.152+/-0.009 χ^2/NDF: 2387518.2/10

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.444+/-0.006 χ^2/NDF: 7694943.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

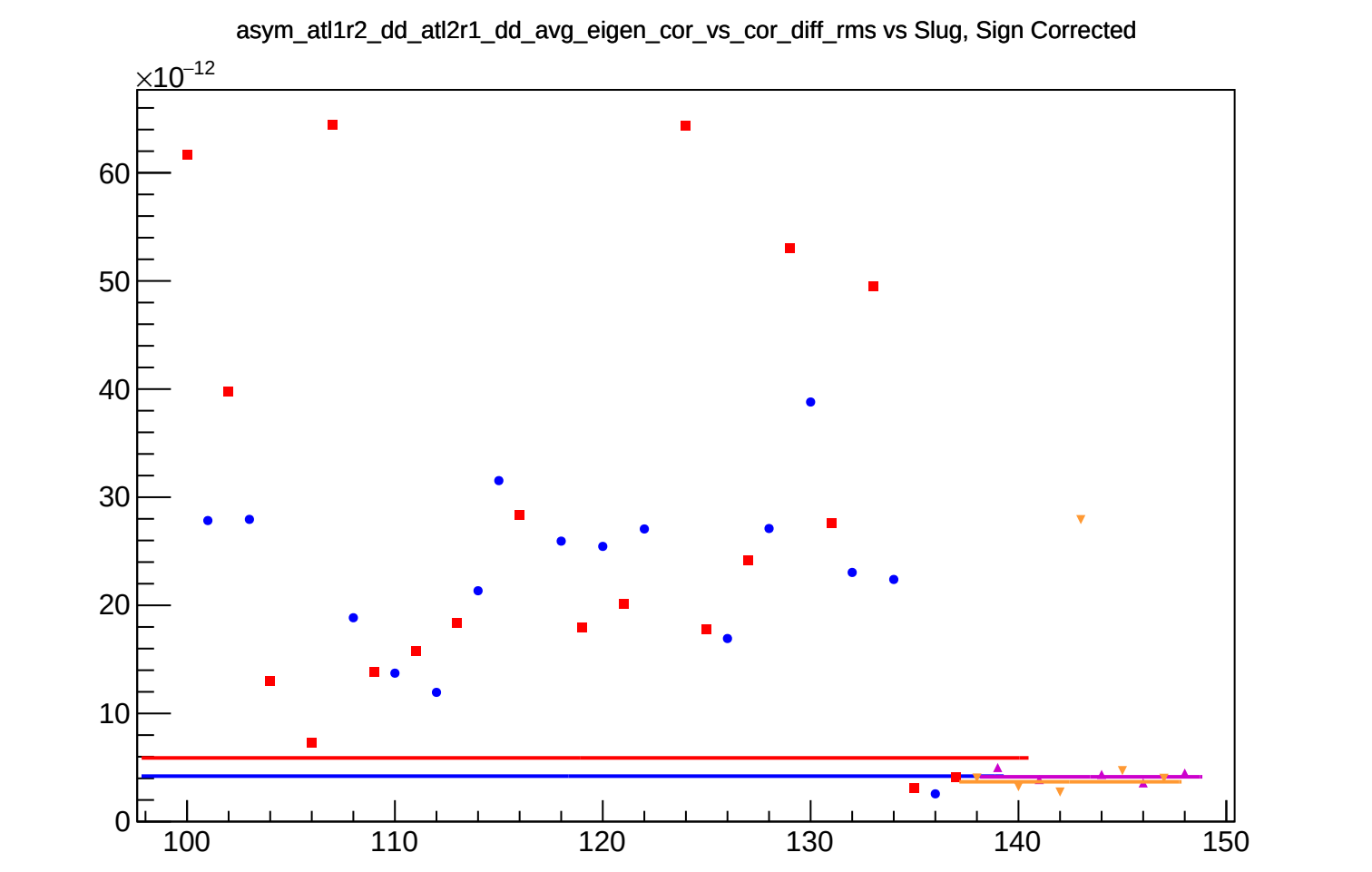
Left: 0.000+/-0.000 χ^2/NDF: 5.6/10

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.7/20

Out: -0.000+/-0.000 χ^2/NDF:48.9/24

All: -0.000+/-0.000 χ^2/NDF: 61.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:966841.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:76519.4/4

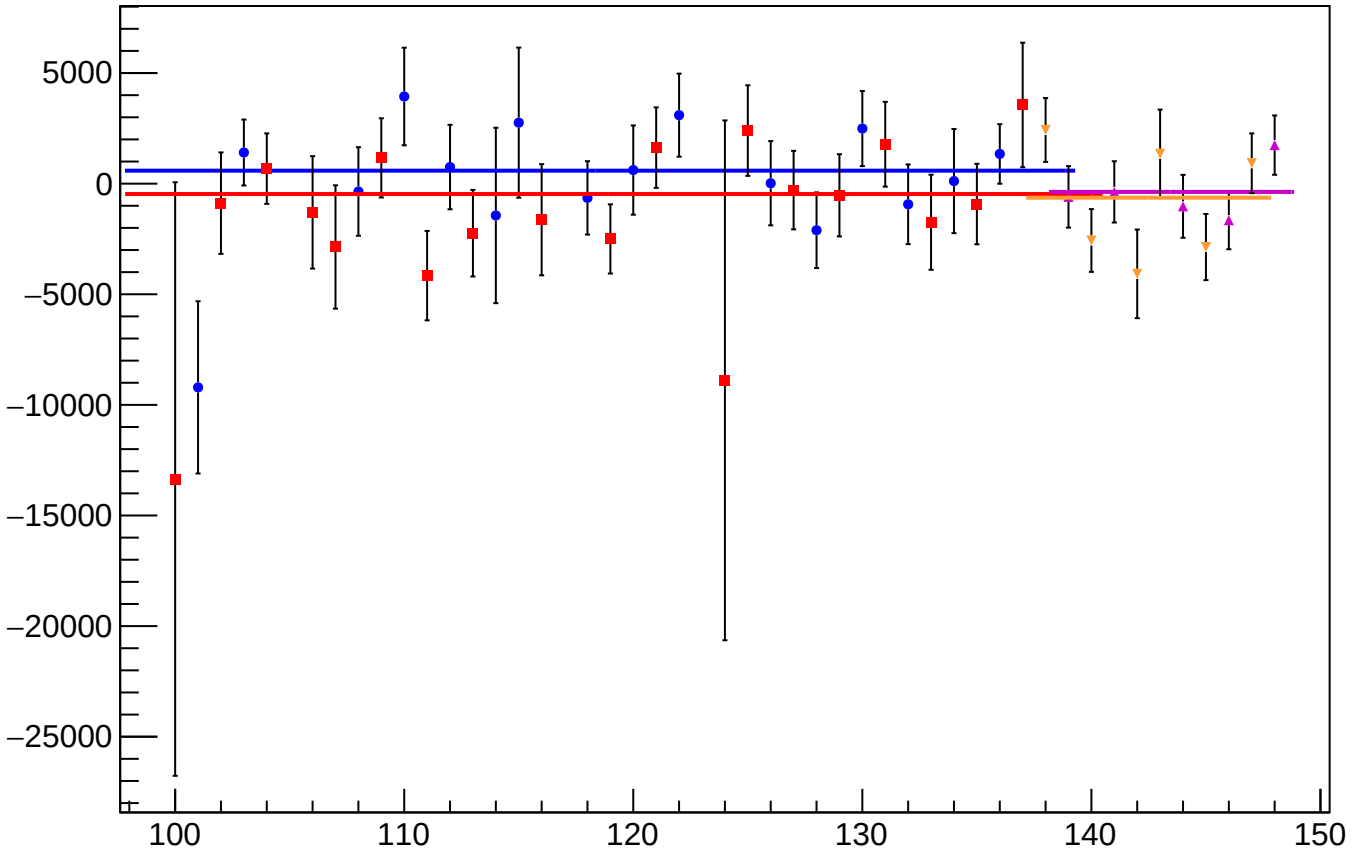
Left: 0.000+/-0.000 χ^2/NDF: 1081517.2/10

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5157176.7/20

Out: 0.000+/-0.000 χ^2/NDF:6257989.4/24

All: 0.000+/-0.000 χ^2/NDF: 11415341.9/45



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.775+/-636.101 χ^2/NDF:13.8/5

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -373.535+/-612.184 χ^2/NDF:3.7/4

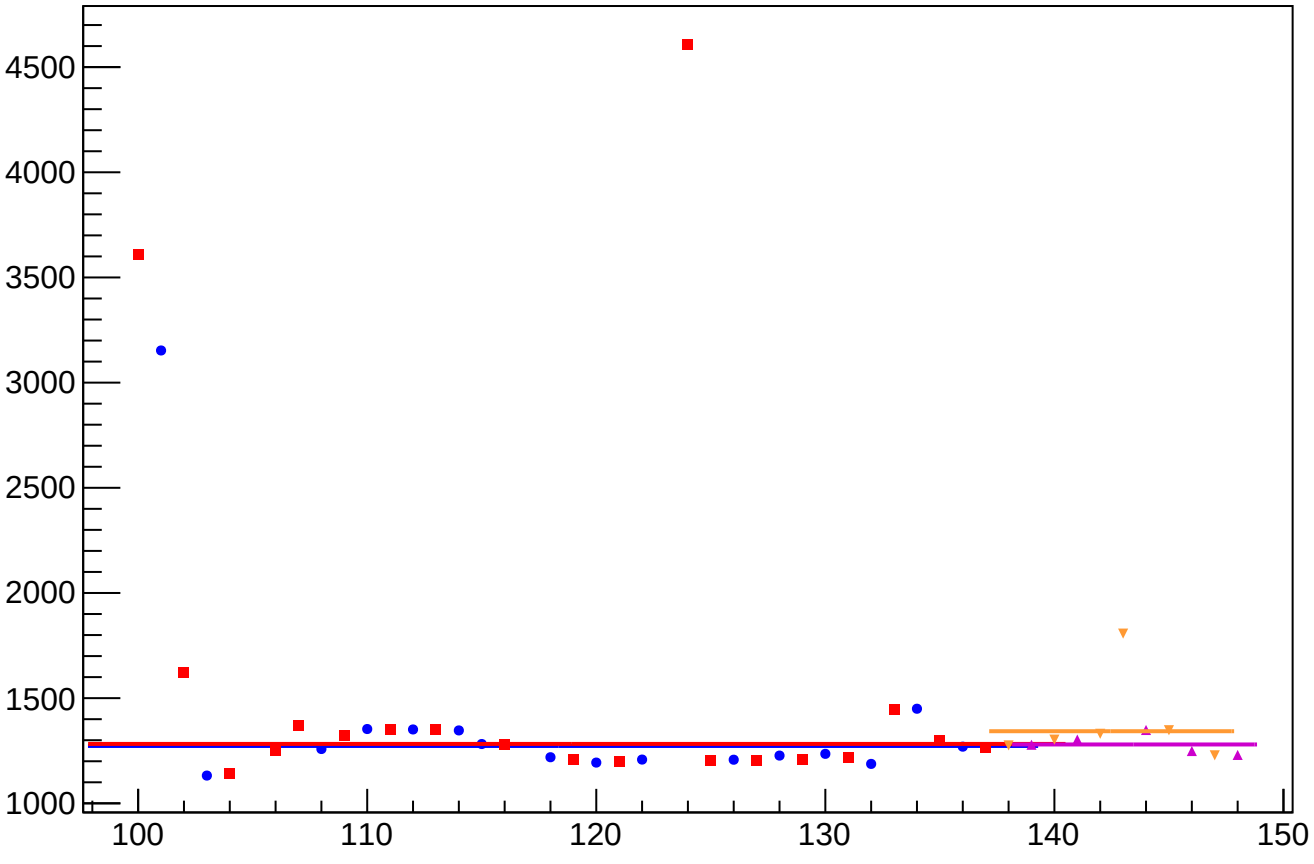
Left: -498.670+/-441.092 χ^2/NDF: 17.6/10

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 218.971+/-378.915 χ^2/NDF:22.3/20

Out: -528.873+/-383.415 χ^2/NDF:30.7/24

All: -150.537+/-269.510 χ^2/NDF: 54.9/45



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

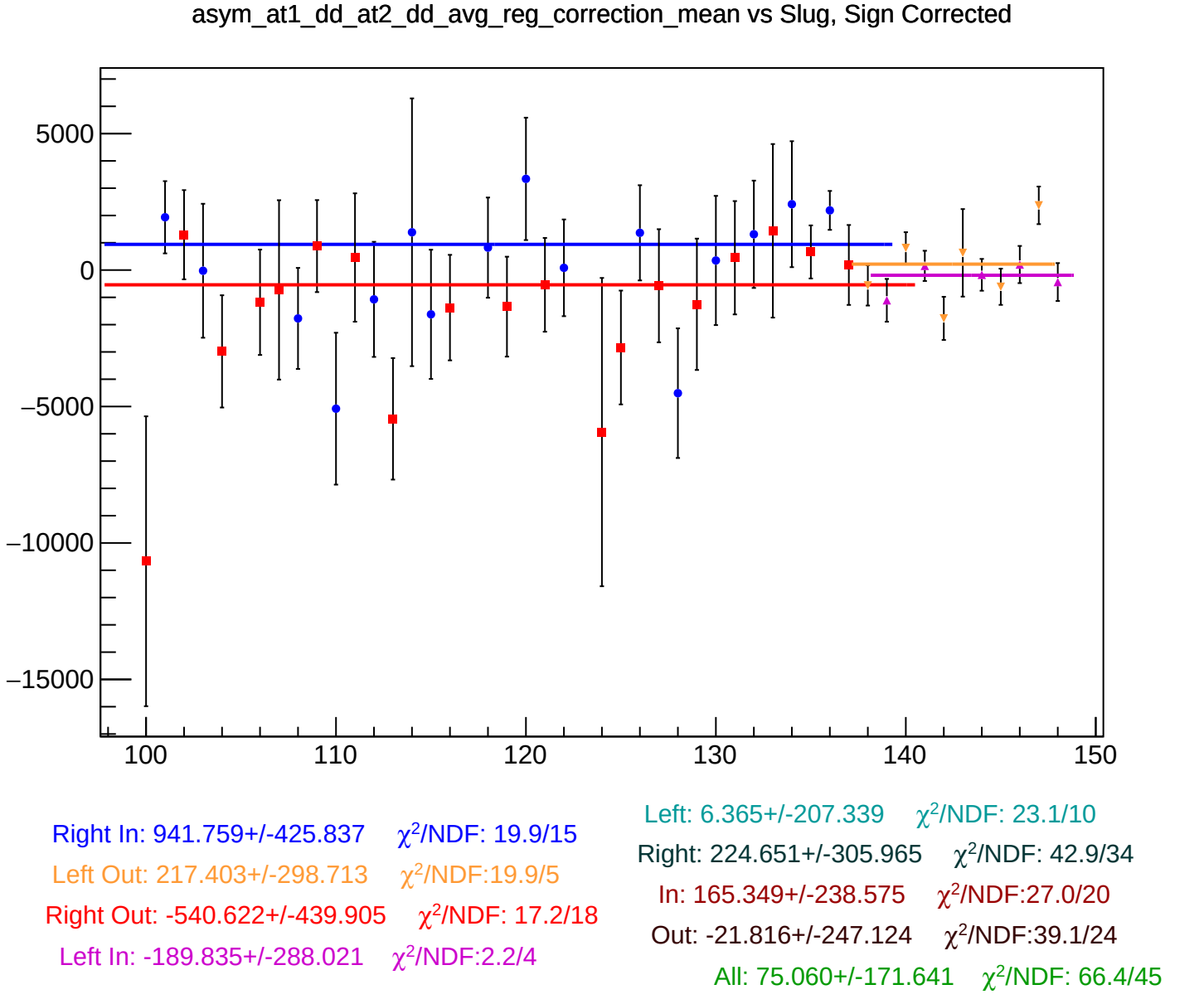
Left: 1310.105+/-0.312 χ^2/NDF: 147421.8/10

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

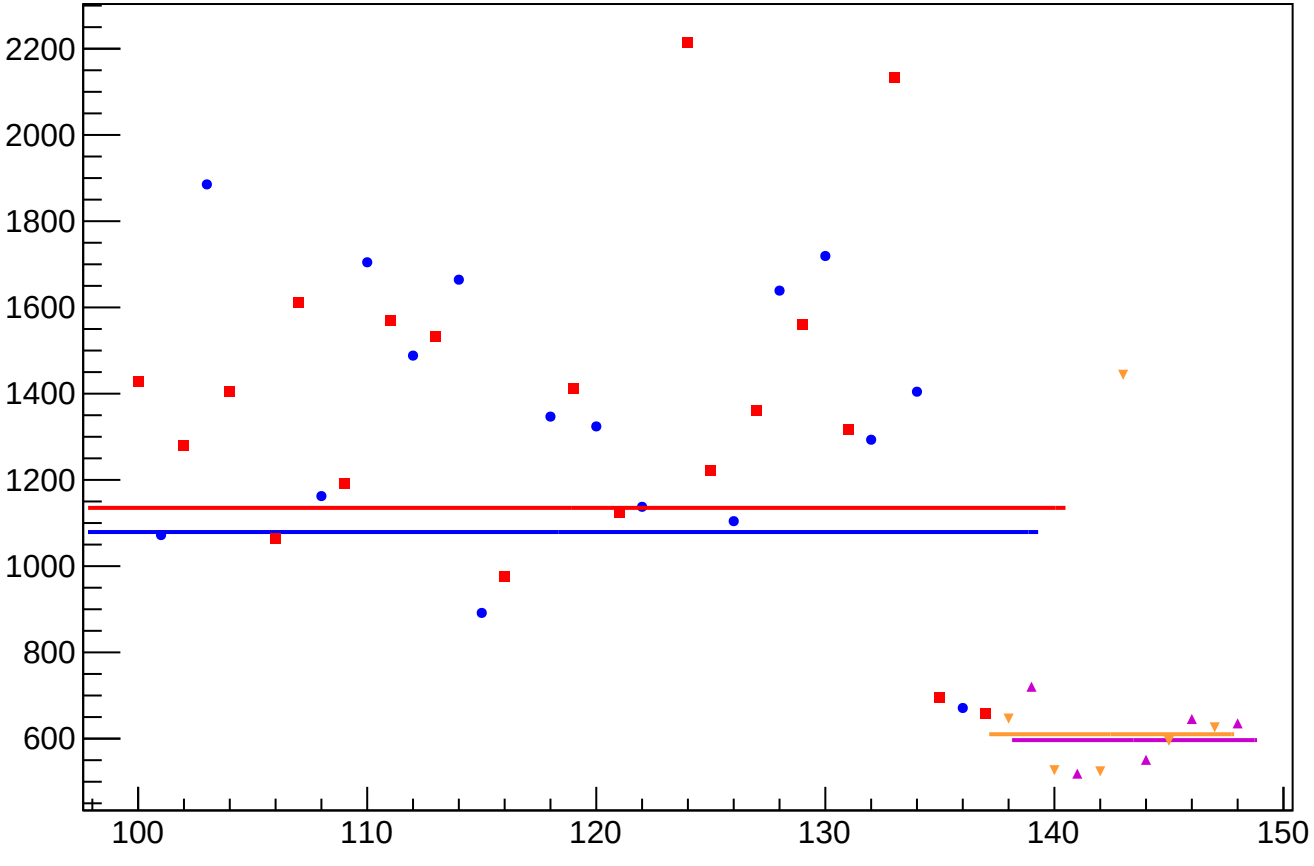
In: 1275.491+/-0.268 χ^2/NDF:528591.7/20

Out: 1304.324+/-0.271 χ^2/NDF:461684.1/24

All: 1289.737+/-0.191 χ^2/NDF: 995997.9/45


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 217.403+/-298.713 χ²/NDF:19.9/5
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -189.835+/-288.021 χ²/NDF:2.2/4
Left: 6.365+/-207.339 χ²/NDF: 23.1/10
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 165.349+/-238.575 χ²/NDF:27.0/20
Out: -21.816+/-247.124 χ²/NDF:39.1/24
All: 75.060+/-171.641 χ²/NDF: 66.4/45

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: 610.220+/-0.211 χ^2/NDF:613203.9/5

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

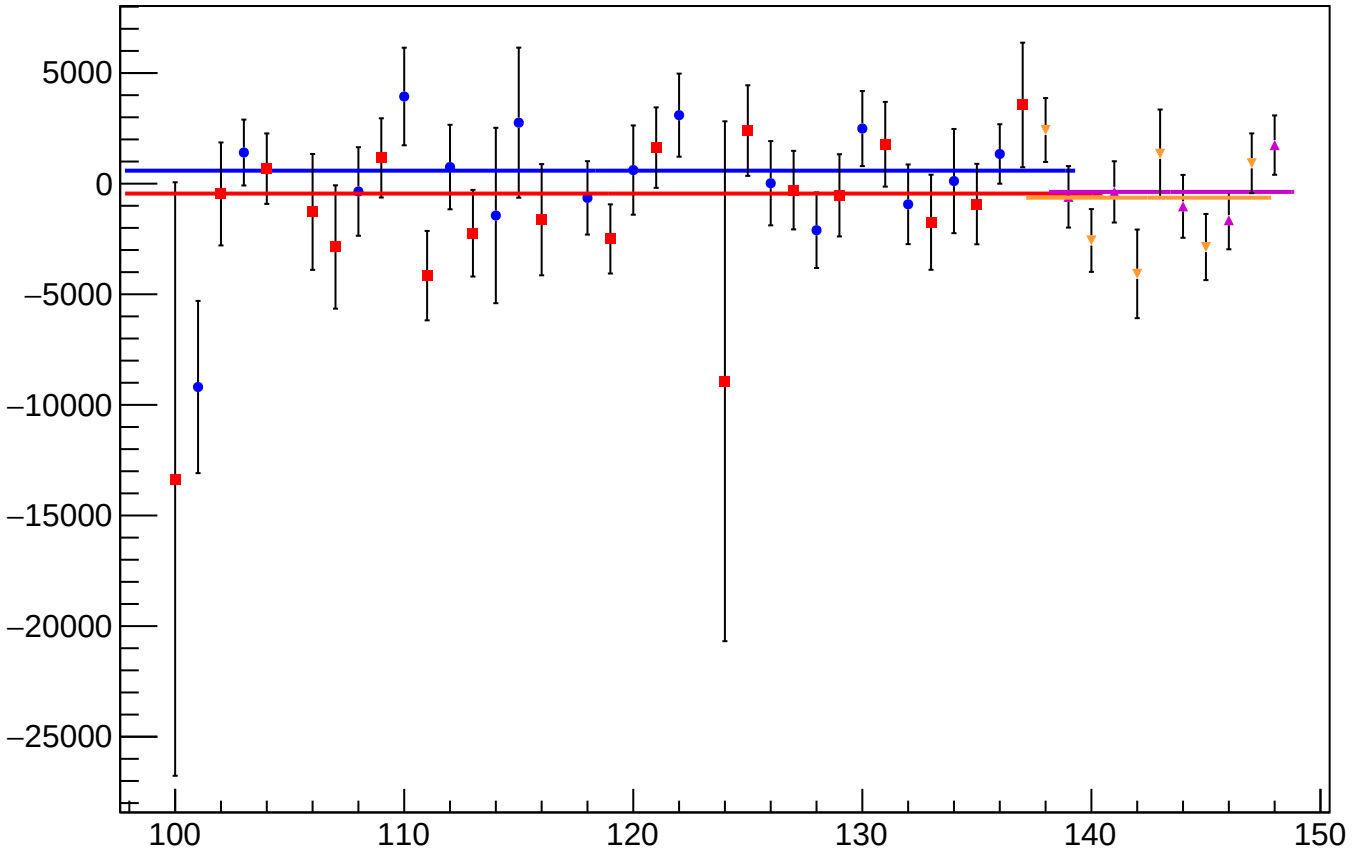
Left: 603.141+/-0.147 χ^2/NDF: 733489.6/10

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 748.026+/-0.169 χ^2/NDF:3362511.0/20

Out: 775.882+/-0.175 χ^2/NDF:3855476.7/24

All: 761.464+/-0.121 χ^2/NDF: 7231140.9/45



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -373.407+/-612.184 χ^2/NDF:3.7/4

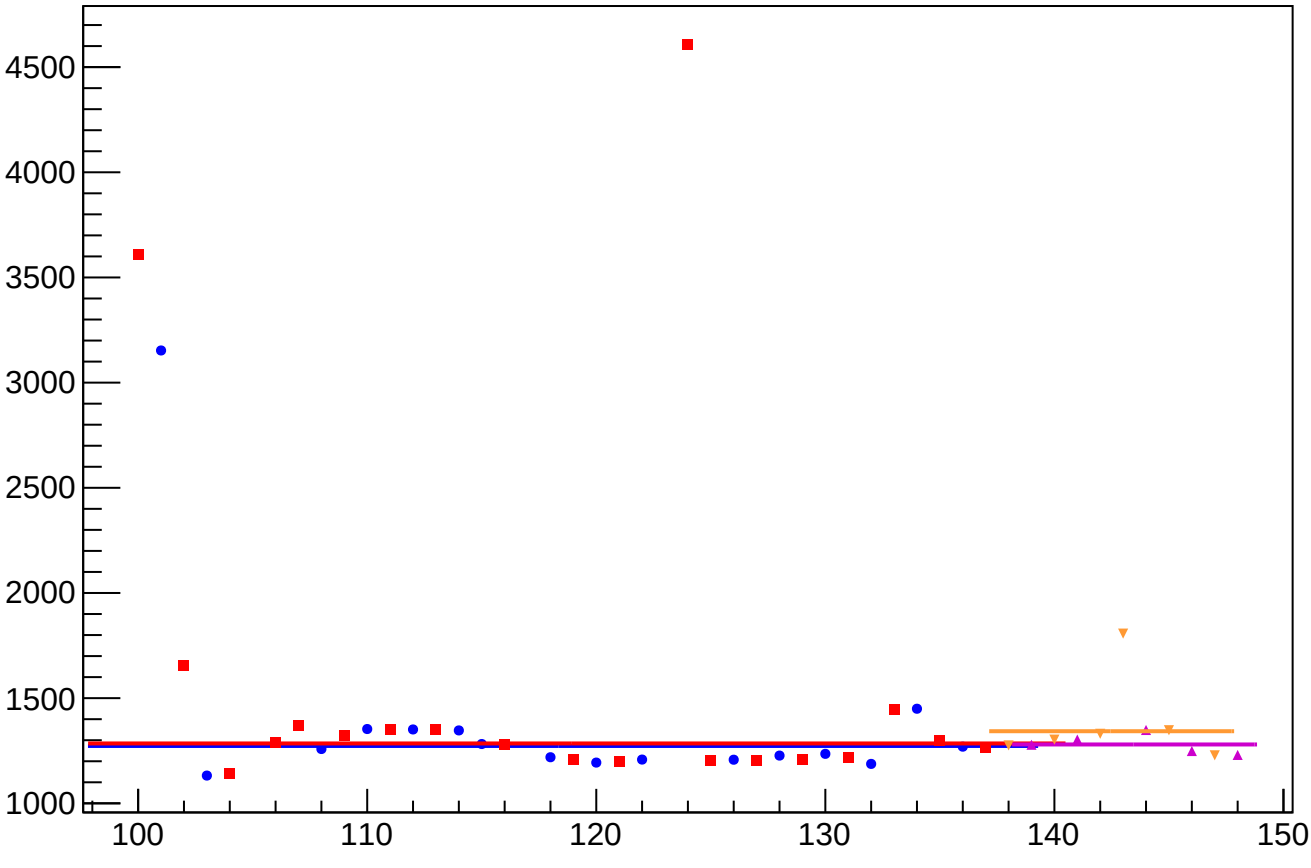
Left: -498.674+/-441.092 χ^2/NDF: 17.6/10

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 219.217+/-378.915 χ^2/NDF:22.2/20

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -143.633+/-269.654 χ^2/NDF: 54.8/45



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

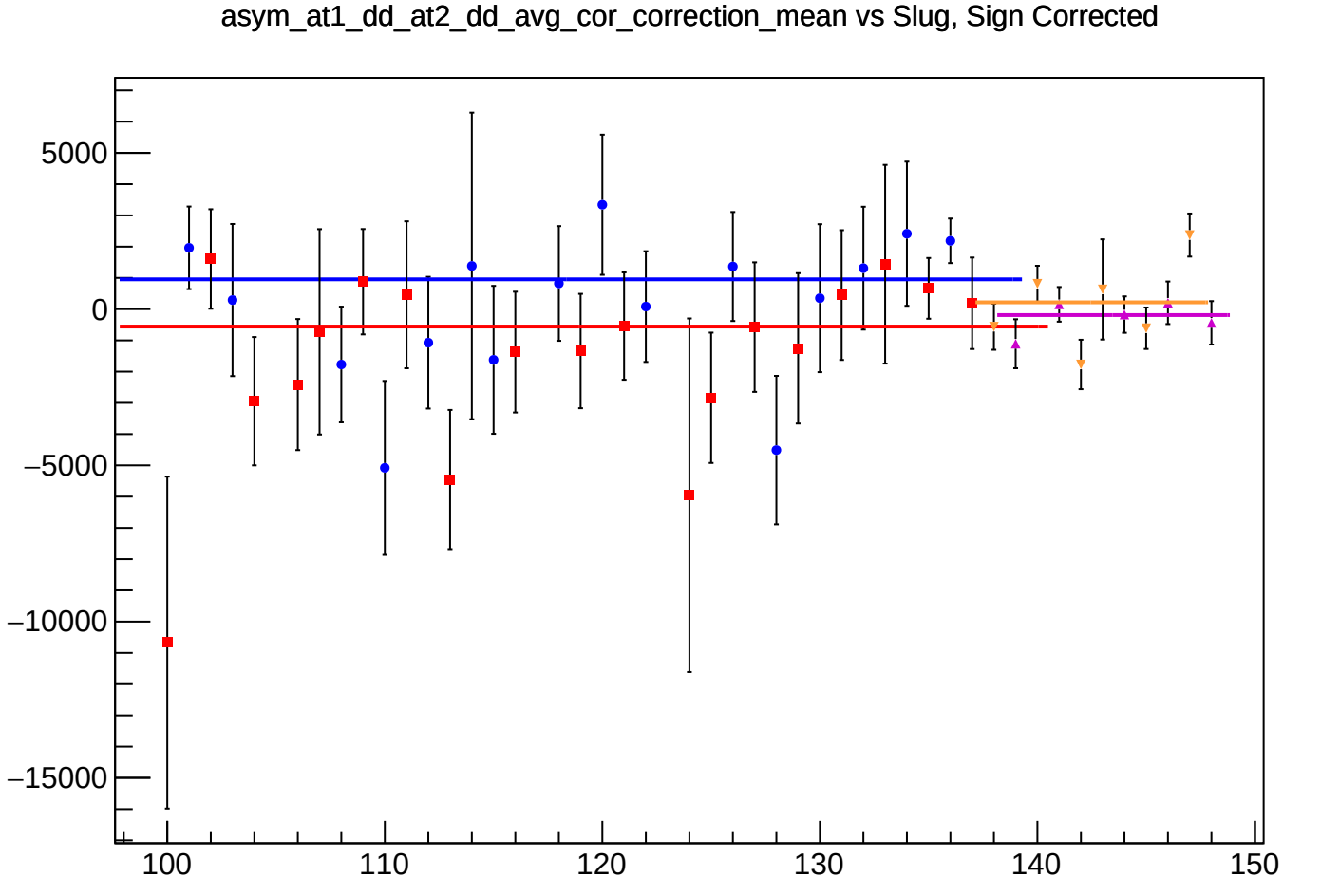
Left: 1310.105+/-0.312 χ^2/NDF: 147421.8/10

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -189.837+/-288.018 χ^2/NDF:2.2/4

Left: 6.368+/-207.339 χ^2/NDF: 23.1/10

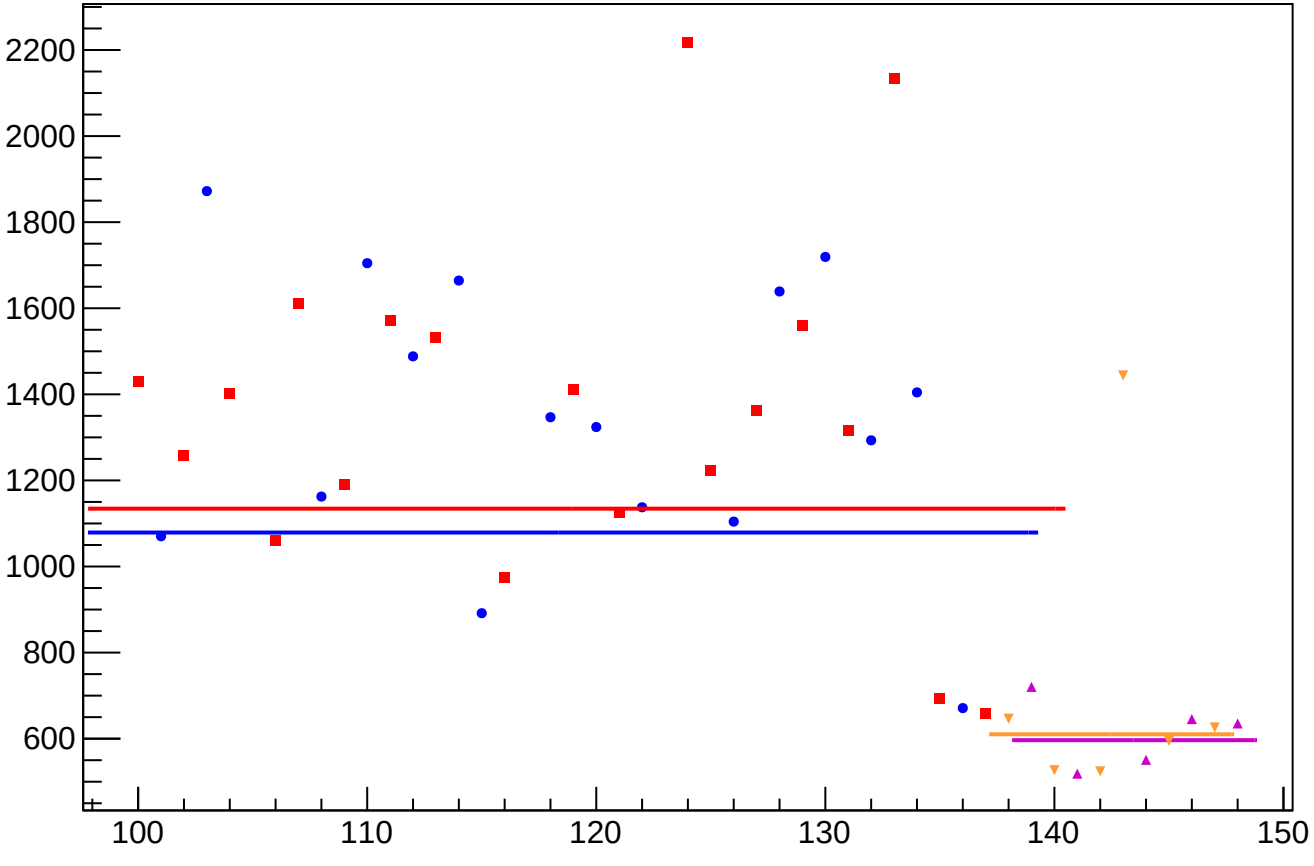
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 74.929+/-171.680 χ^2/NDF: 67.7/45

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: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

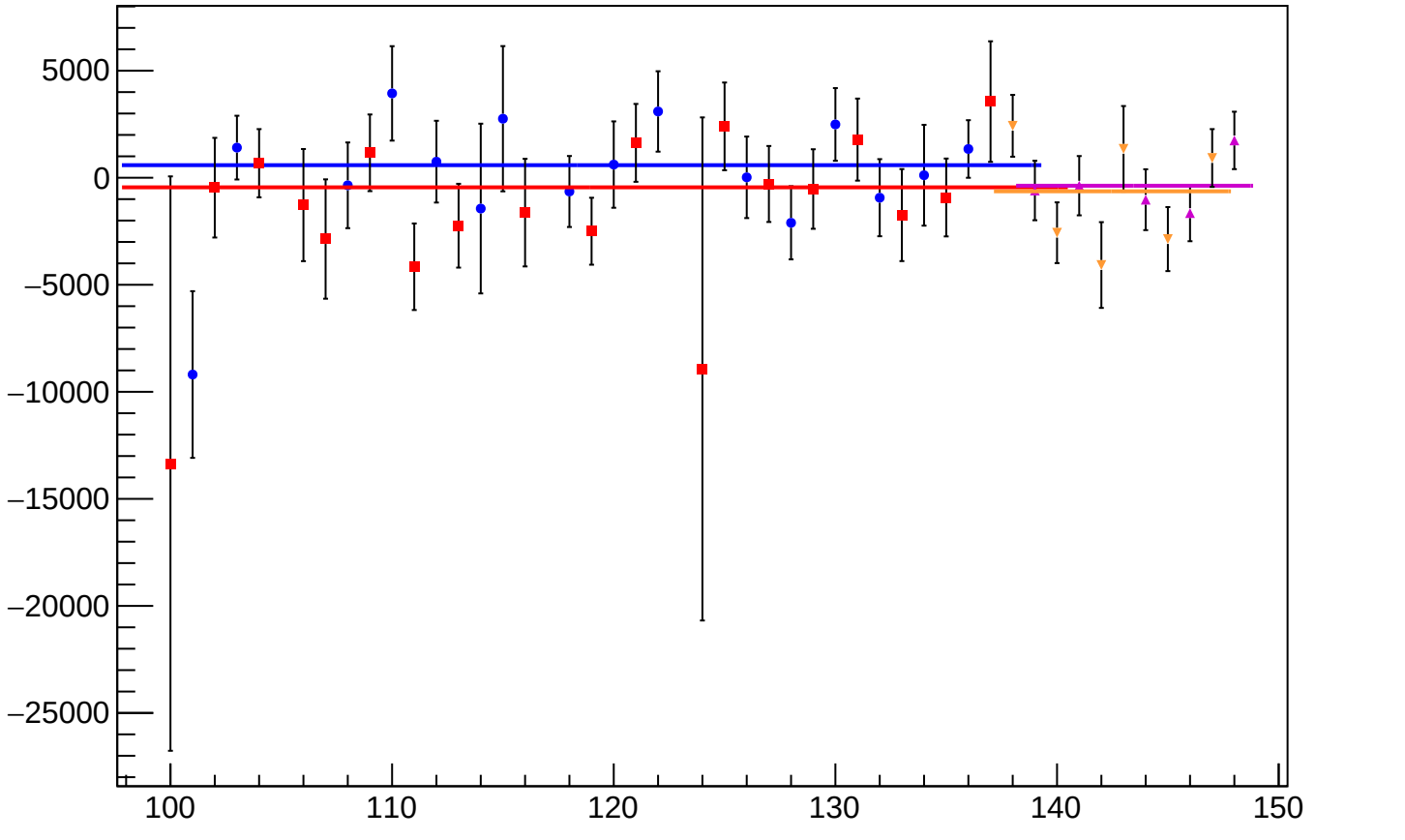
Left: 603.144+/-0.147 χ^2/NDF: 733461.8/10

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -373.407+/-612.184 χ^2/NDF:3.7/4

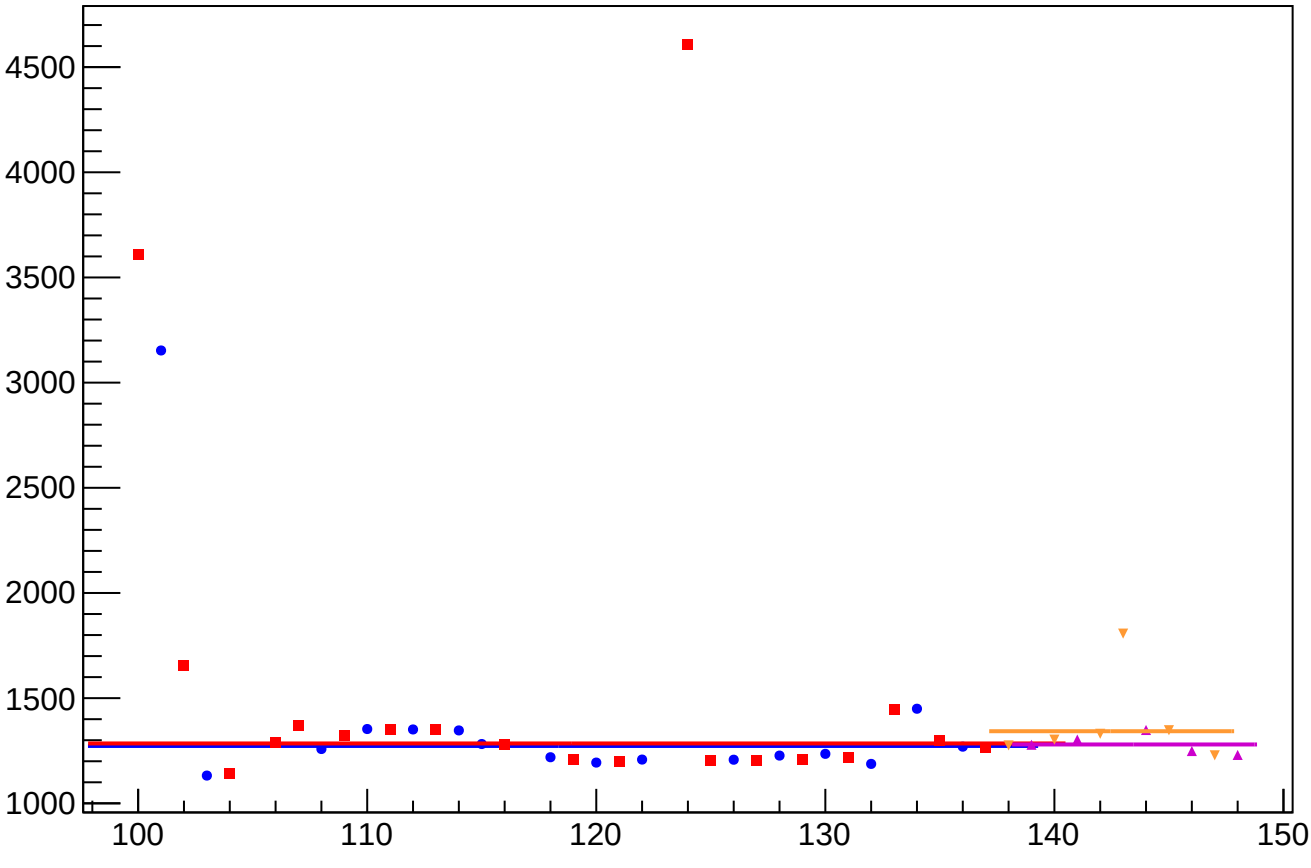
Left: -498.674+/-441.092 χ^2/NDF: 17.6/10

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 219.217+/-378.915 χ^2/NDF:22.2/20

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -143.633+/-269.654 χ^2/NDF: 54.8/45



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

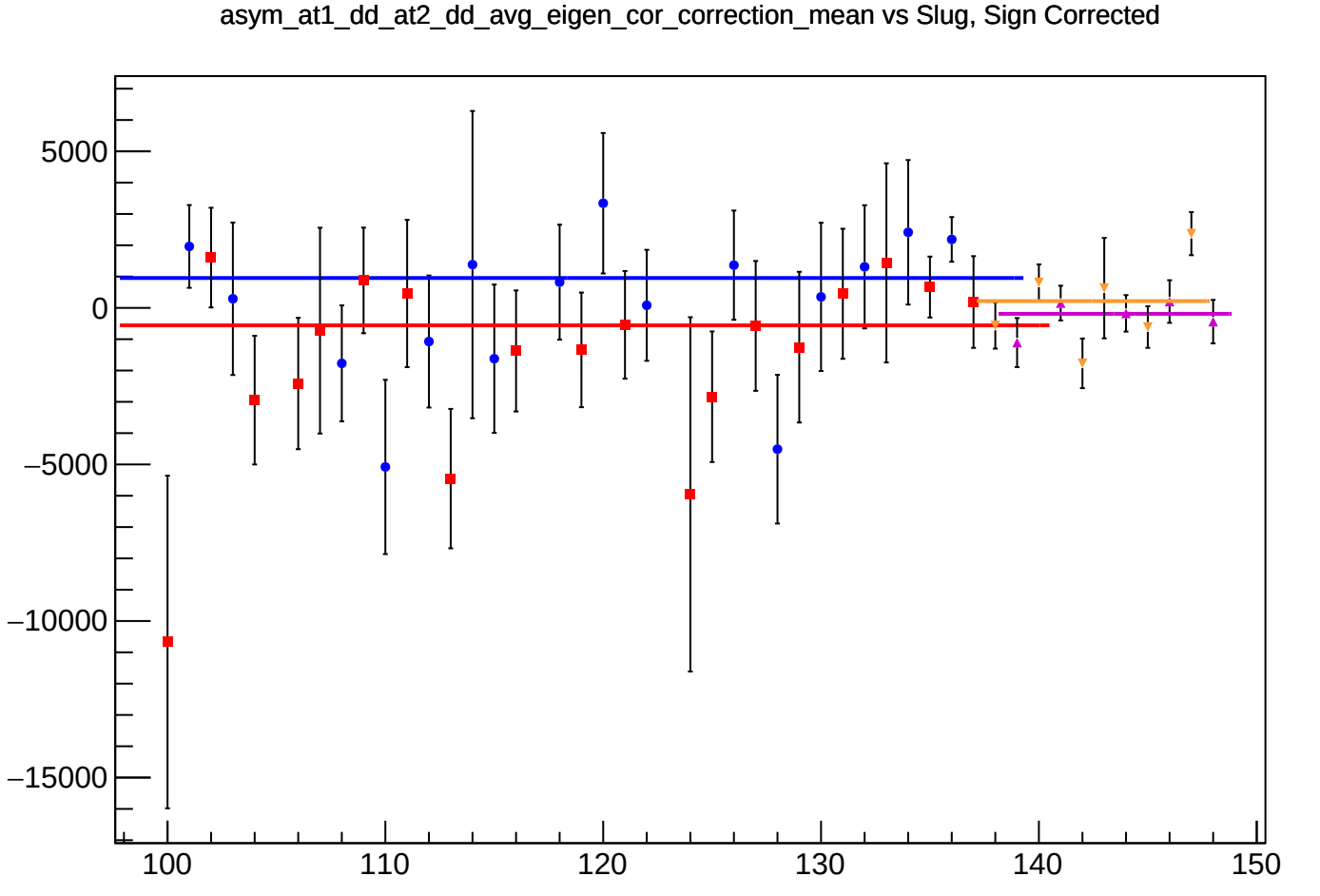
Left: 1310.105+/-0.312 χ^2/NDF: 147421.8/10

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1290.464+/-0.191 χ^2/NDF: 1002393.4/45



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -189.837+/-288.018 χ^2/NDF:2.2/4

Left: 6.368+/-207.339 χ^2/NDF: 23.1/10

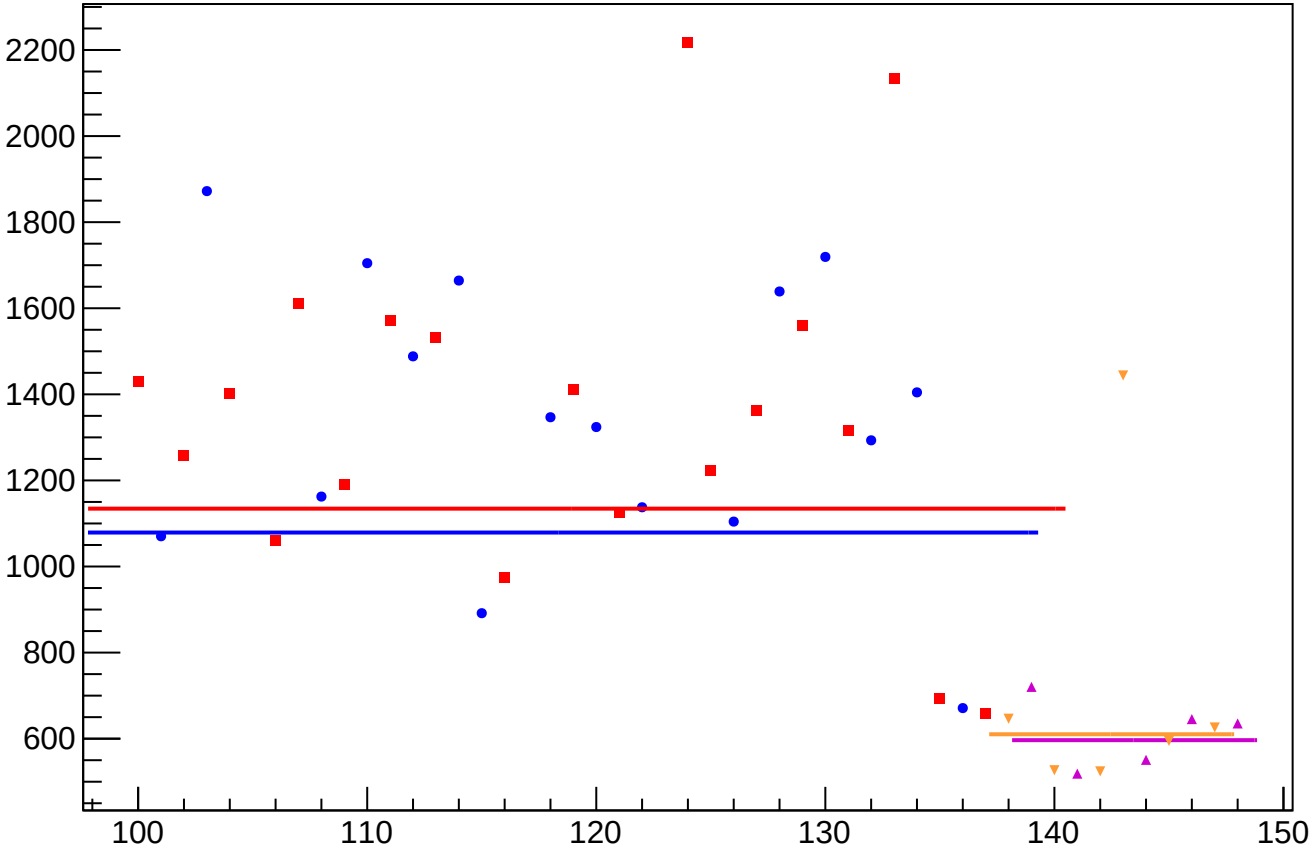
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 74.929+/-171.680 χ^2/NDF: 67.7/45

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: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

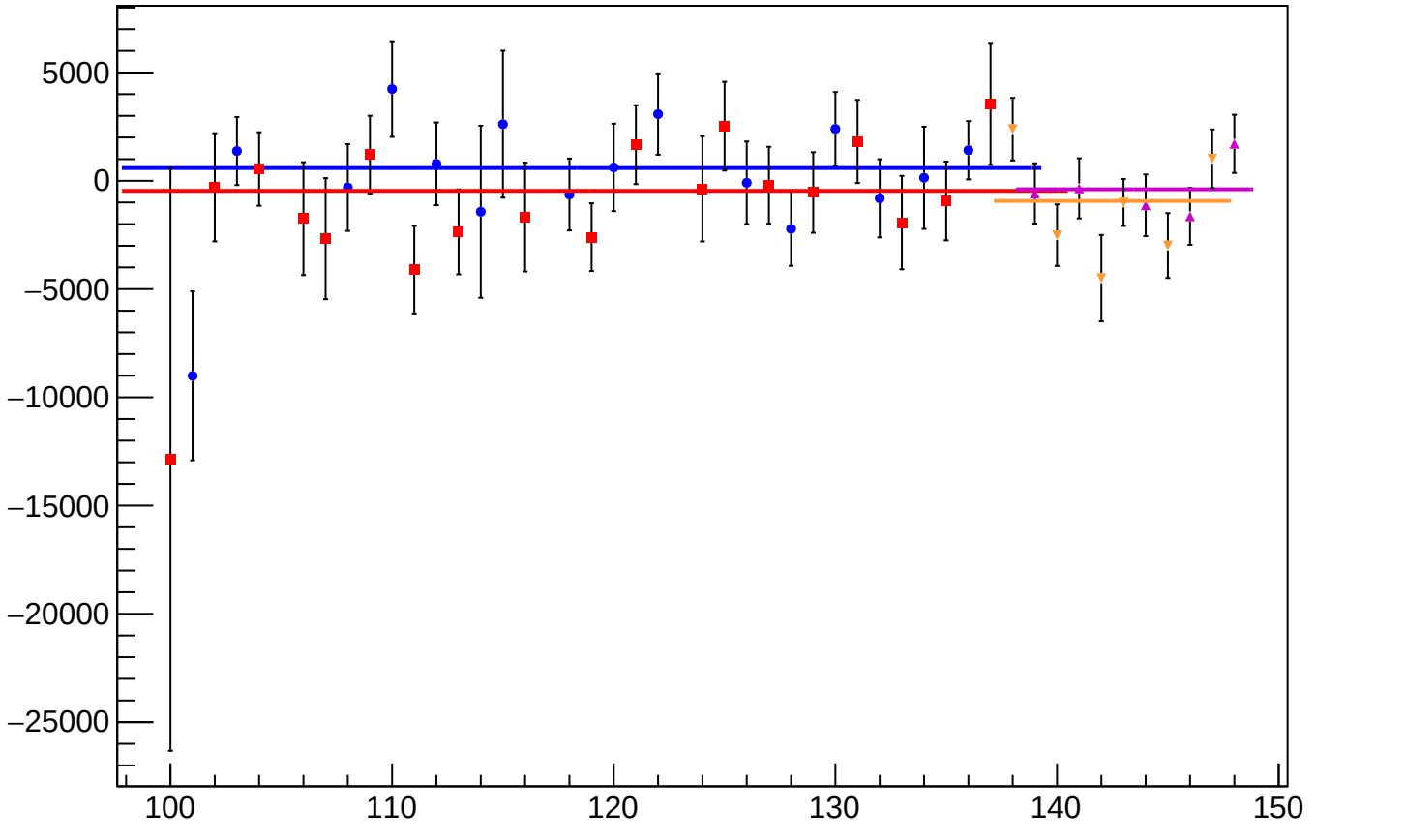
Left: 603.144+/-0.147 χ^2/NDF: 733461.8/10

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 761.147+/-0.121 χ^2/NDF: 7211754.1/45



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.652+/-570.551 χ^2/NDF:13.7/5

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -390.717+/-612.675 χ^2/NDF:3.6/4

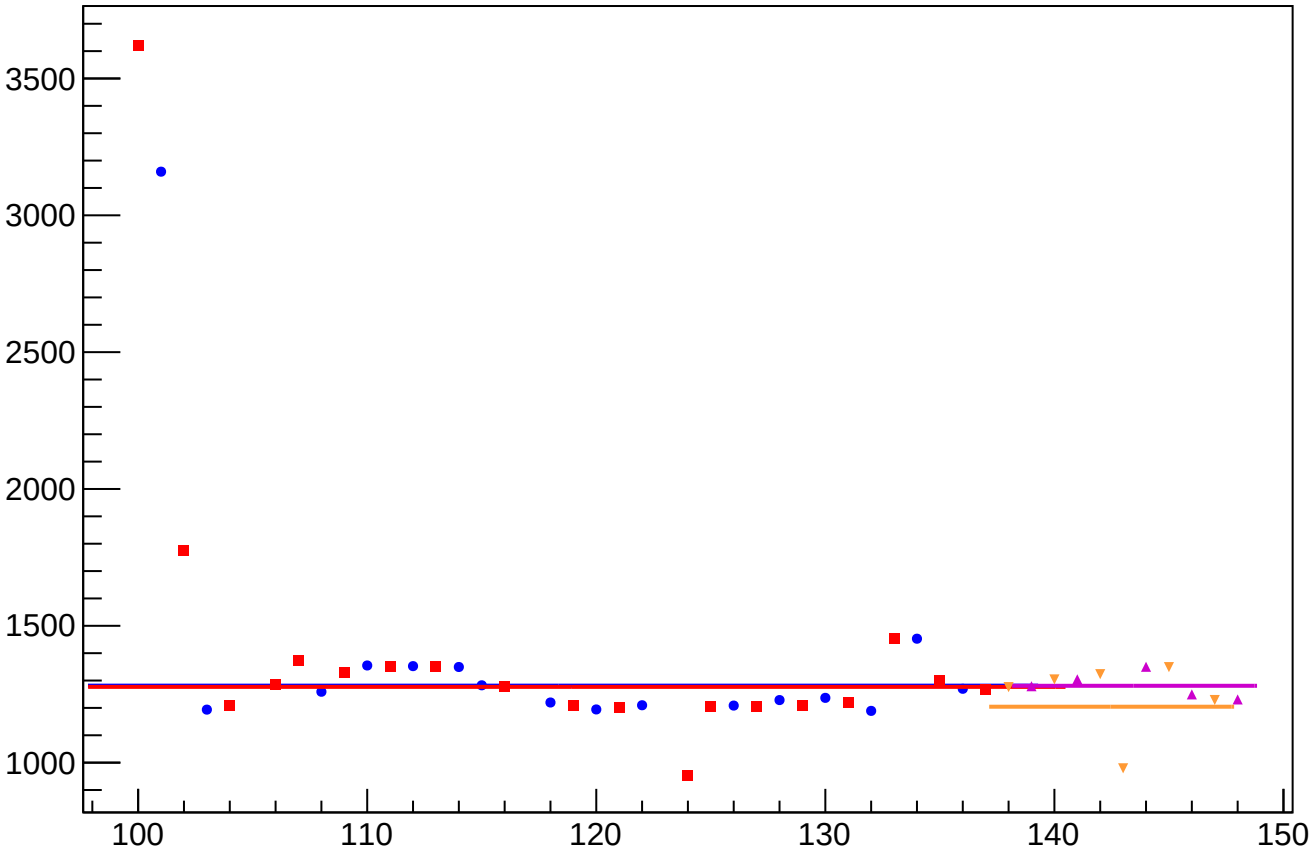
Left: -679.882+/-417.539 χ^2/NDF: 17.7/10

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 211.925+/-380.505 χ^2/NDF:22.3/20

Out: -655.063+/-365.862 χ^2/NDF:30.8/24

All: -238.571+/-263.728 χ^2/NDF: 55.8/45



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.7/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

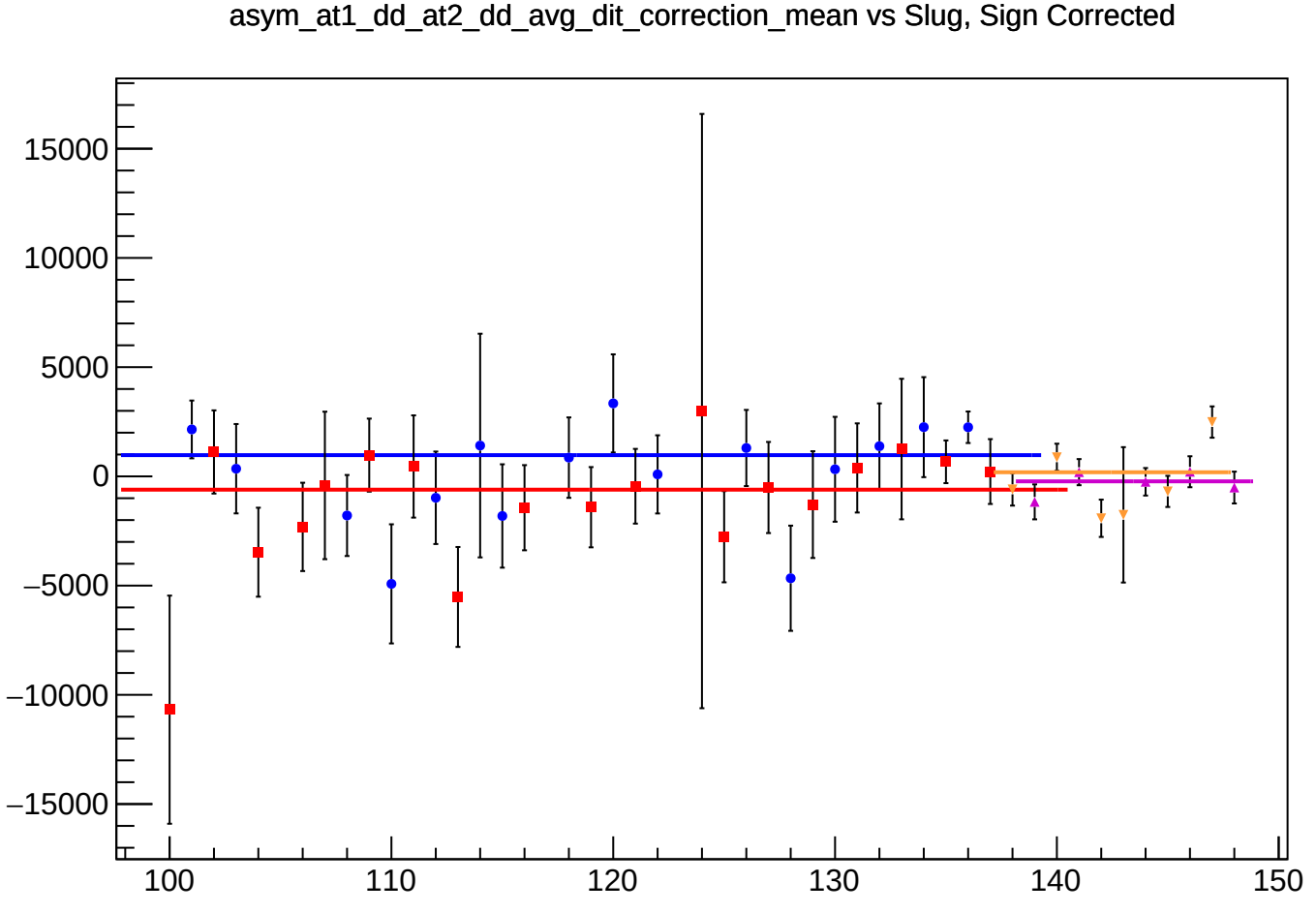
Left: 1239.875+/-0.295 χ^2/NDF: 153402.5/10

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.162+/-0.269 χ^2/NDF:516330.9/20

Out: 1247.047+/-0.259 χ^2/NDF:366992.7/24

All: 1263.436+/-0.186 χ^2/NDF: 891676.9/45



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -227.704+/-305.096 χ^2/NDF:2.4/4

Left: -28.979+/-220.680 χ^2/NDF: 23.9/10

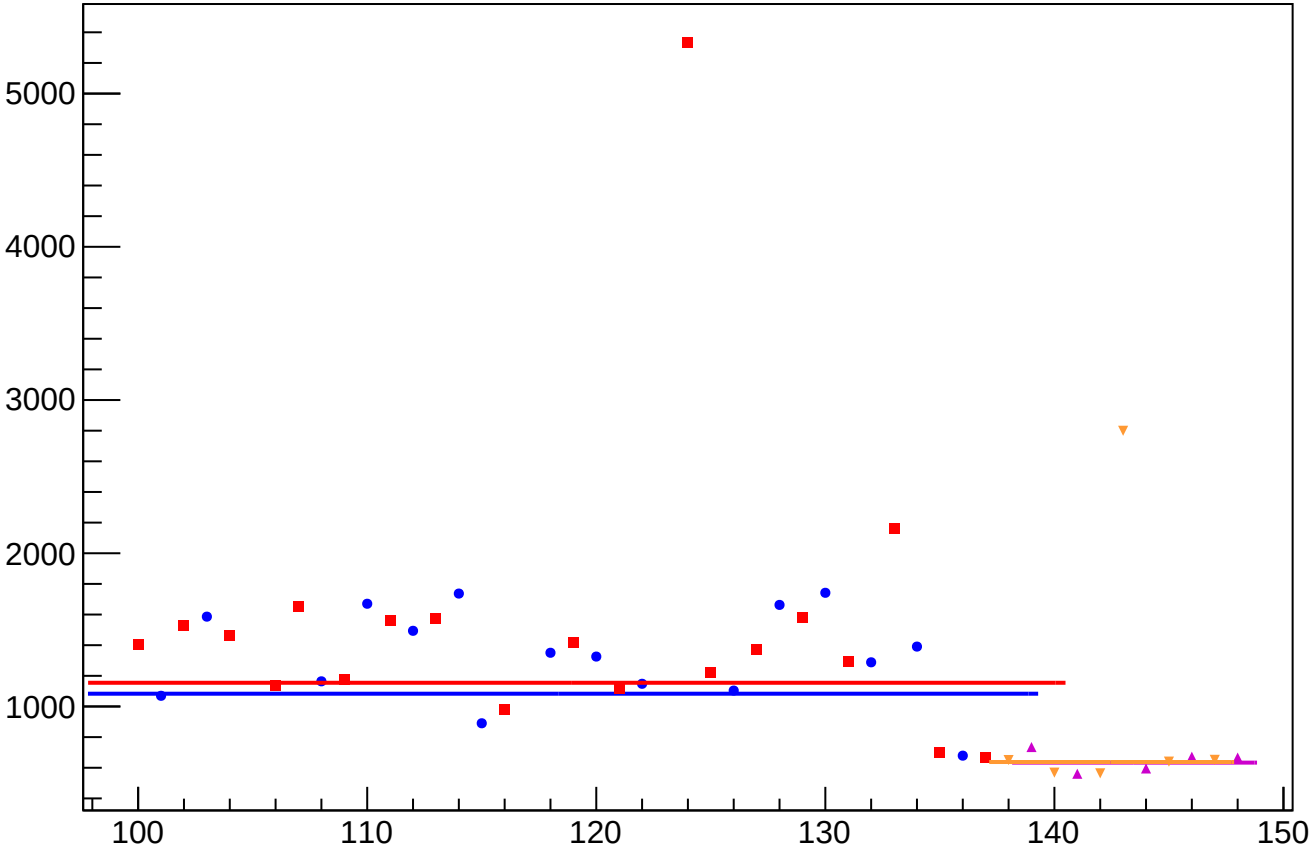
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 180.115+/-247.889 χ^2/NDF:28.1/20

Out: -80.106+/-260.120 χ^2/NDF:39.8/24

All: 56.266+/-179.452 χ^2/NDF: 68.5/45

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: 637.582+/-0.226 χ^2/NDF:1014436.8/5

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

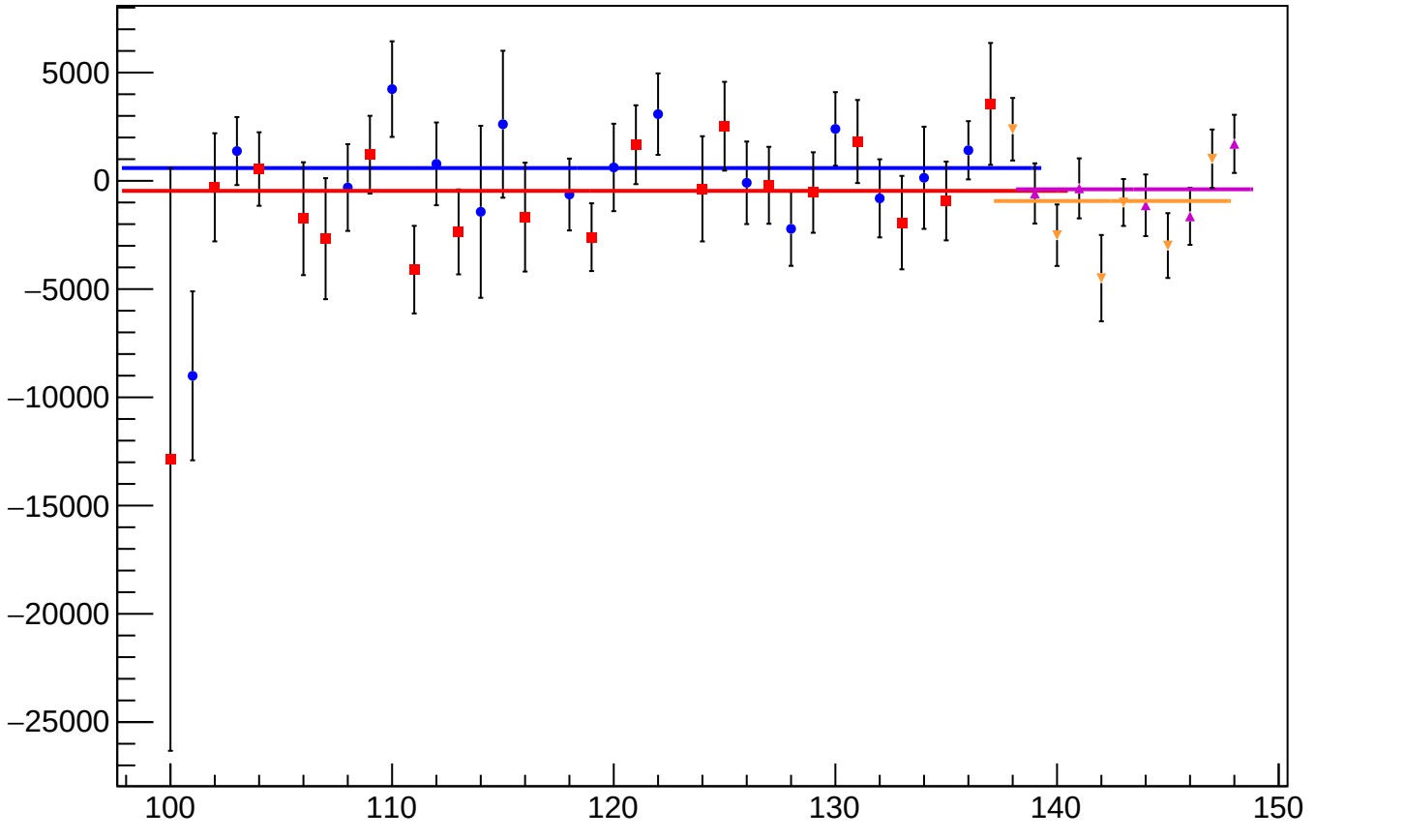
Left: 635.477+/-0.156 χ^2/NDF: 1093595.9/10

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 786.416+/-0.175 χ^2/NDF:2916341.6/20

Out: 812.130+/-0.184 χ^2/NDF:4270324.4/24

All: 798.655+/-0.127 χ^2/NDF: 7196908.6/45



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.653+/-570.551 χ^2/NDF:13.7/5

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -390.721+/-612.675 χ^2/NDF:3.6/4

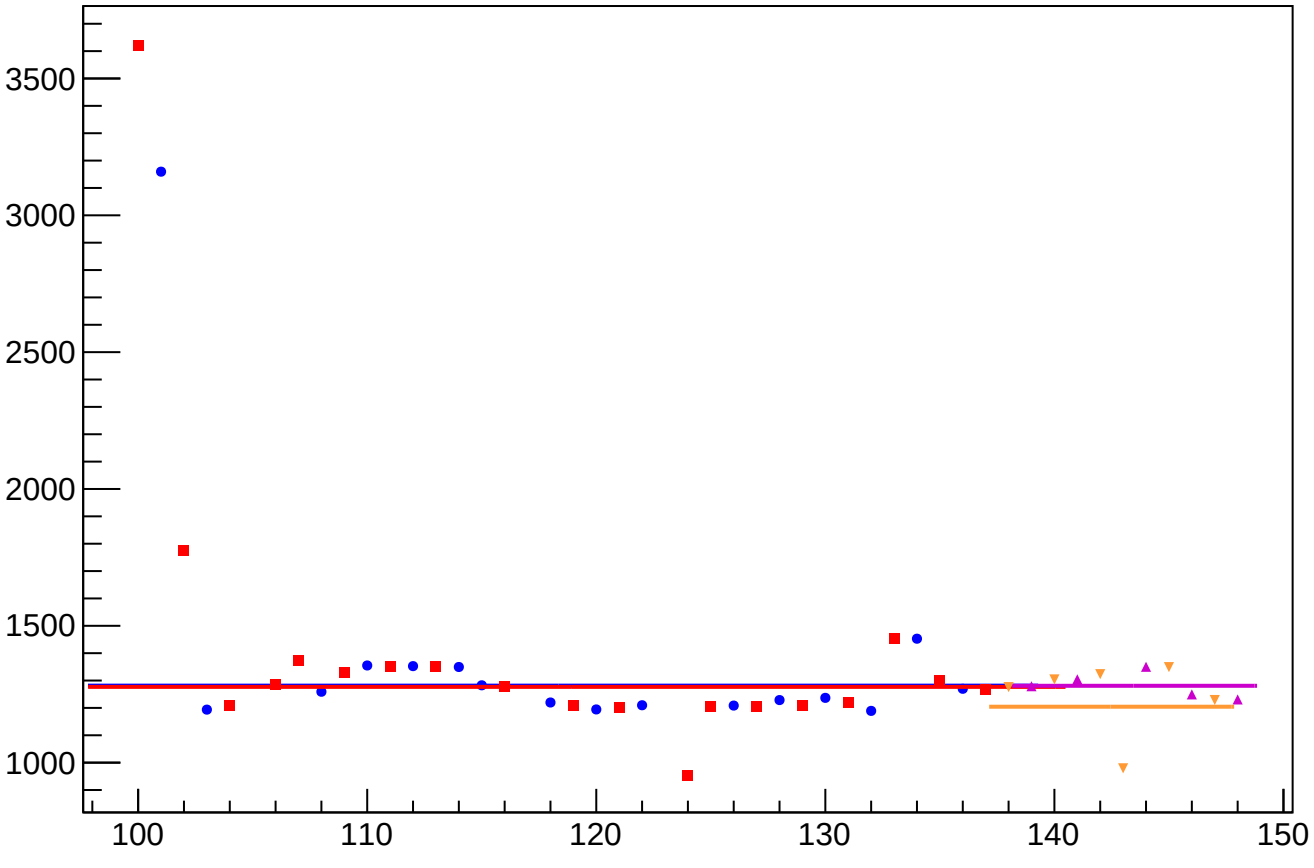
Left: -679.885+/-417.539 χ^2/NDF: 17.7/10

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 211.925+/-380.505 χ^2/NDF:22.3/20

Out: -655.063+/-365.863 χ^2/NDF:30.8/24

All: -238.572+/-263.728 χ^2/NDF: 55.8/45



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.1/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

Left: 1239.875+/-0.295 χ^2/NDF: 153401.7/10

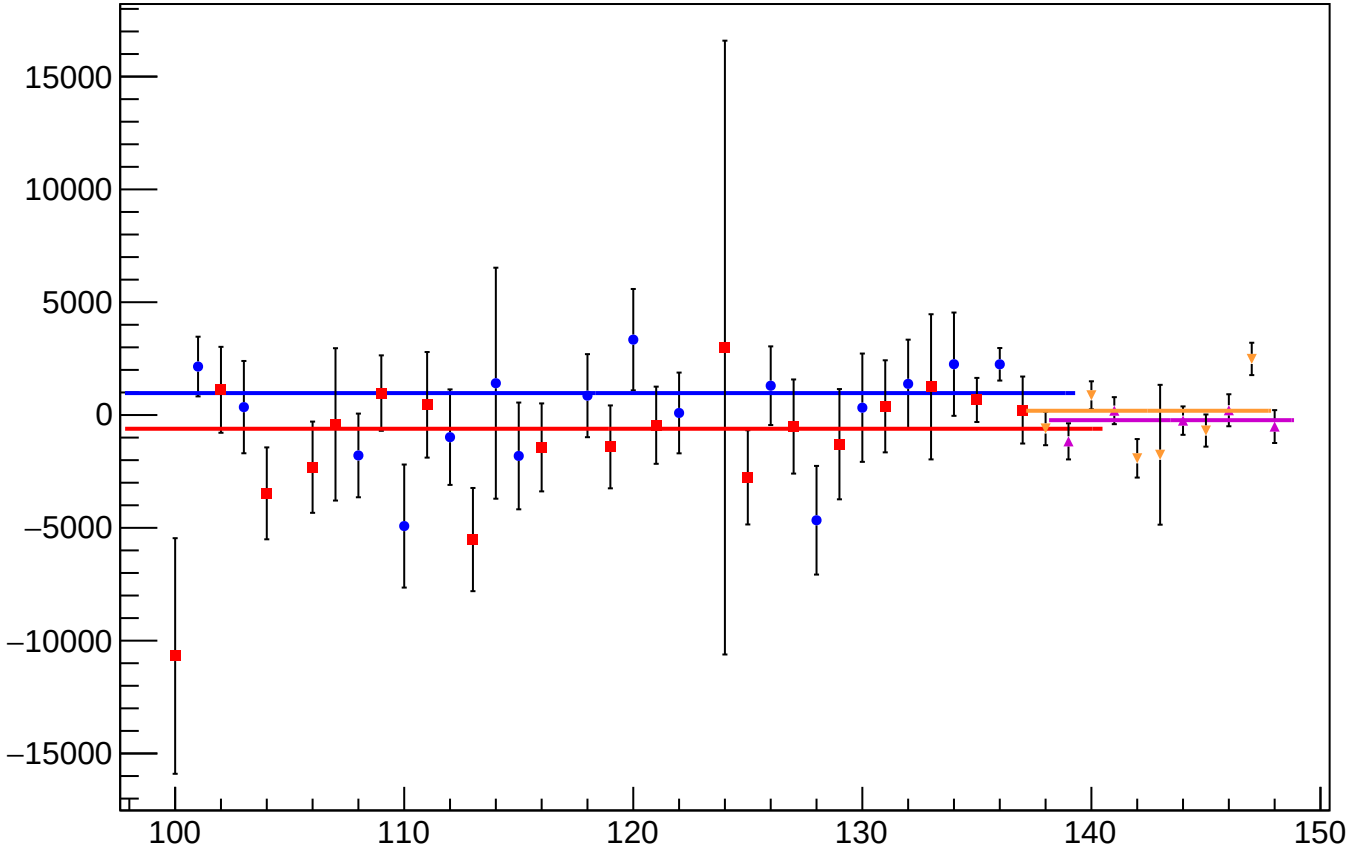
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.162+/-0.269 χ^2/NDF:516331.1/20

Out: 1247.048+/-0.259 χ^2/NDF:366991.7/24

All: 1263.436+/-0.186 χ^2/NDF: 891676.1/45

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -227.703+/-305.096 χ^2/NDF:2.4/4

Left: -28.978+/-220.681 χ^2/NDF: 23.9/10

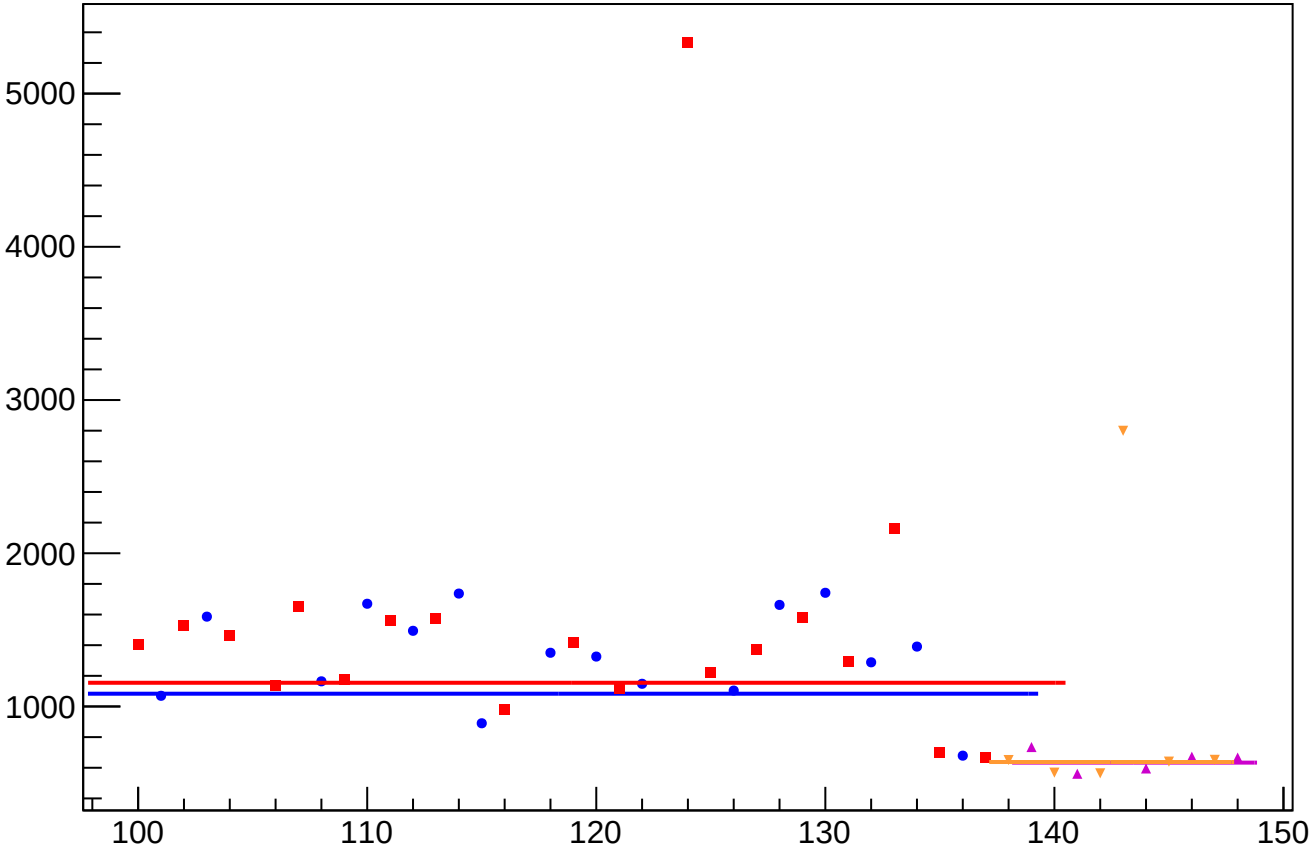
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 180.112+/-247.889 χ^2/NDF:28.1/20

Out: -80.107+/-260.121 χ^2/NDF:39.8/24

All: 56.264+/-179.452 χ^2/NDF: 68.5/45

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 637.584+/-0.226 χ^2/NDF:1014434.7/5

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

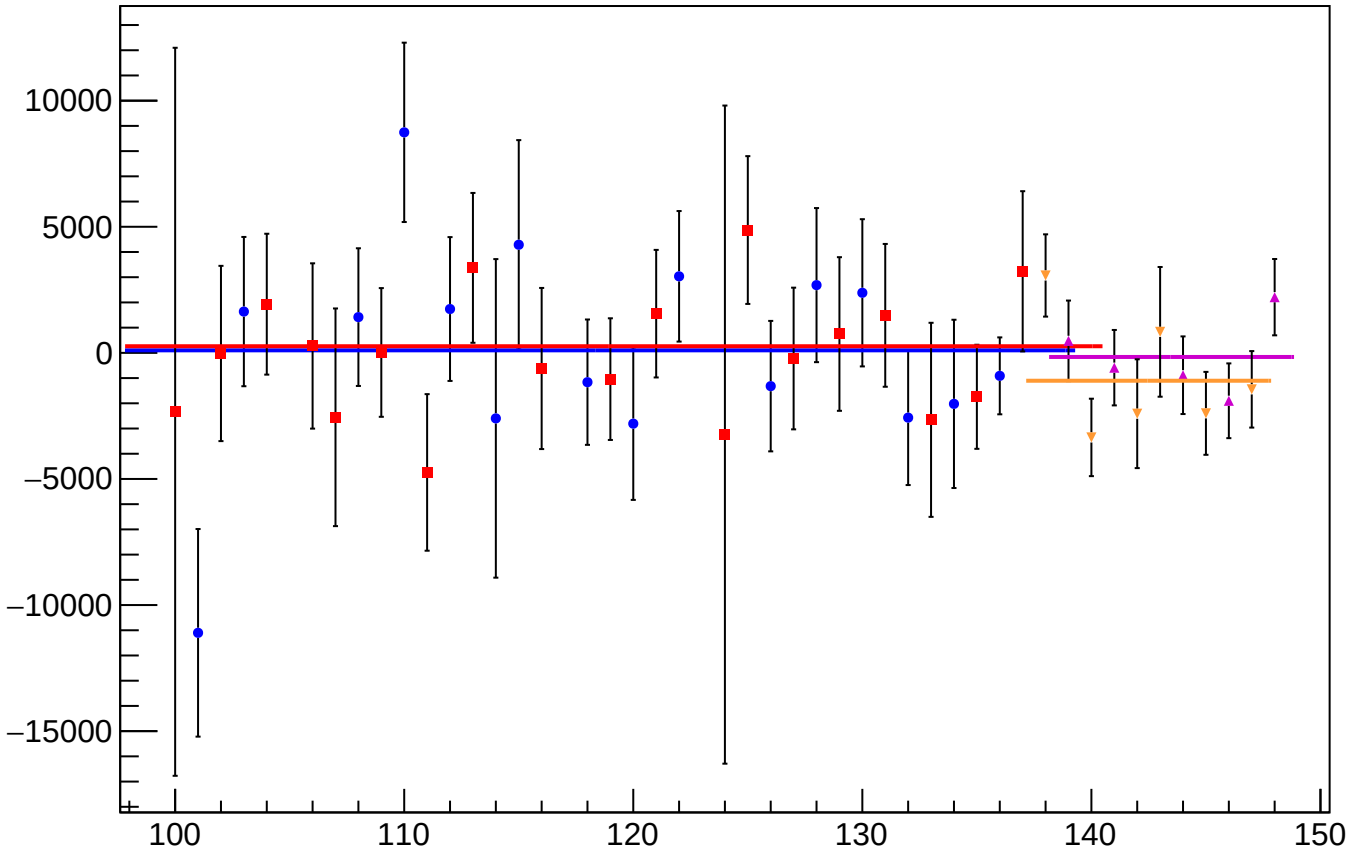
Left: 635.478+/-0.156 χ^2/NDF: 1093596.6/10

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 786.417+/-0.175 χ^2/NDF:2916323.5/20

Out: 812.135+/-0.184 χ^2/NDF:4270285.8/24

All: 798.657+/-0.127 χ^2/NDF: 7196854.3/45



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1105.110+/-712.342 χ^2/NDF:10.3/5

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -162.584+/-681.529 χ^2/NDF:4.3/4

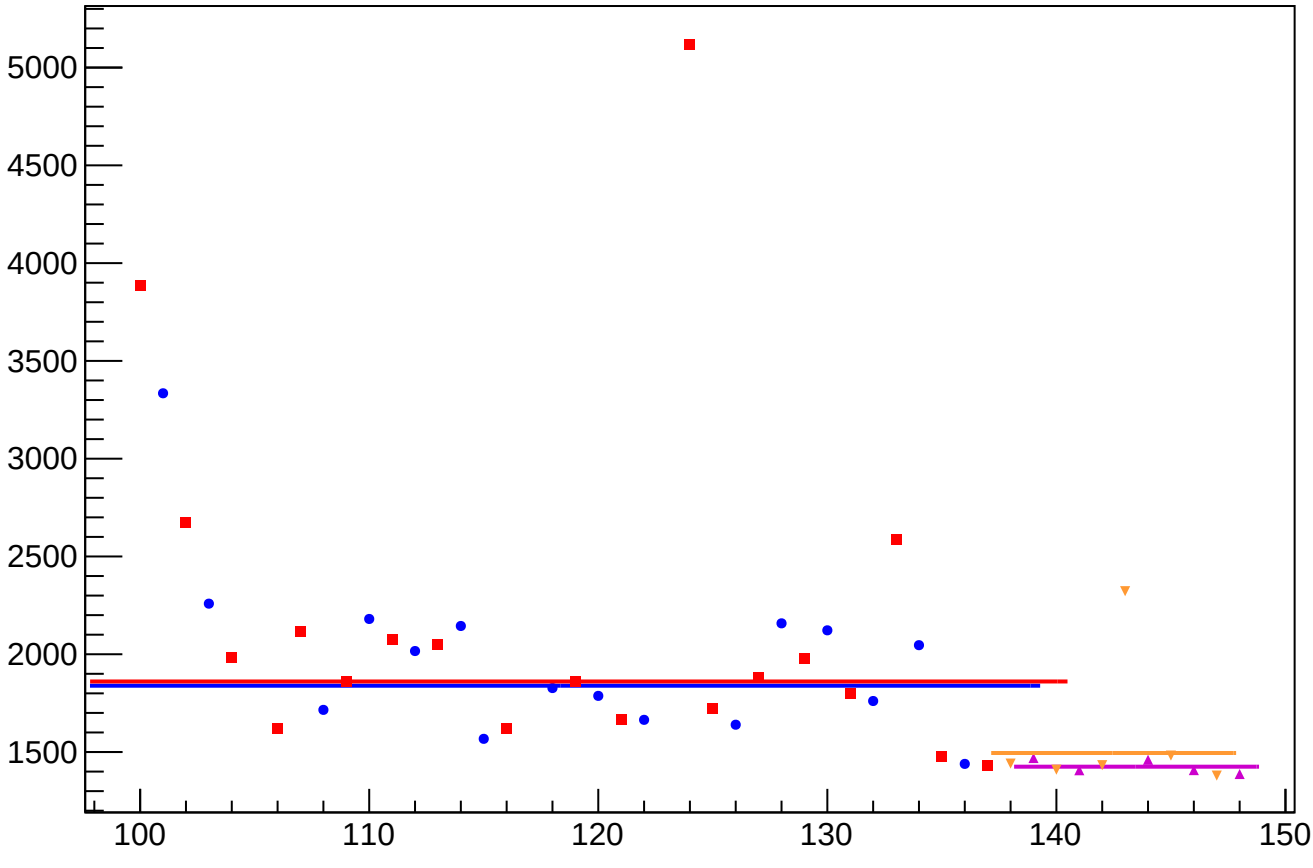
Left: -613.022+/-492.447 χ^2/NDF: 15.5/10

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -34.391+/-487.968 χ^2/NDF:25.7/20

Out: -408.968+/-499.181 χ^2/NDF:22.5/24

All: -217.426+/-348.942 χ^2/NDF: 48.4/45



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1495.063+/-0.504 χ^2/NDF:228726.4/5

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

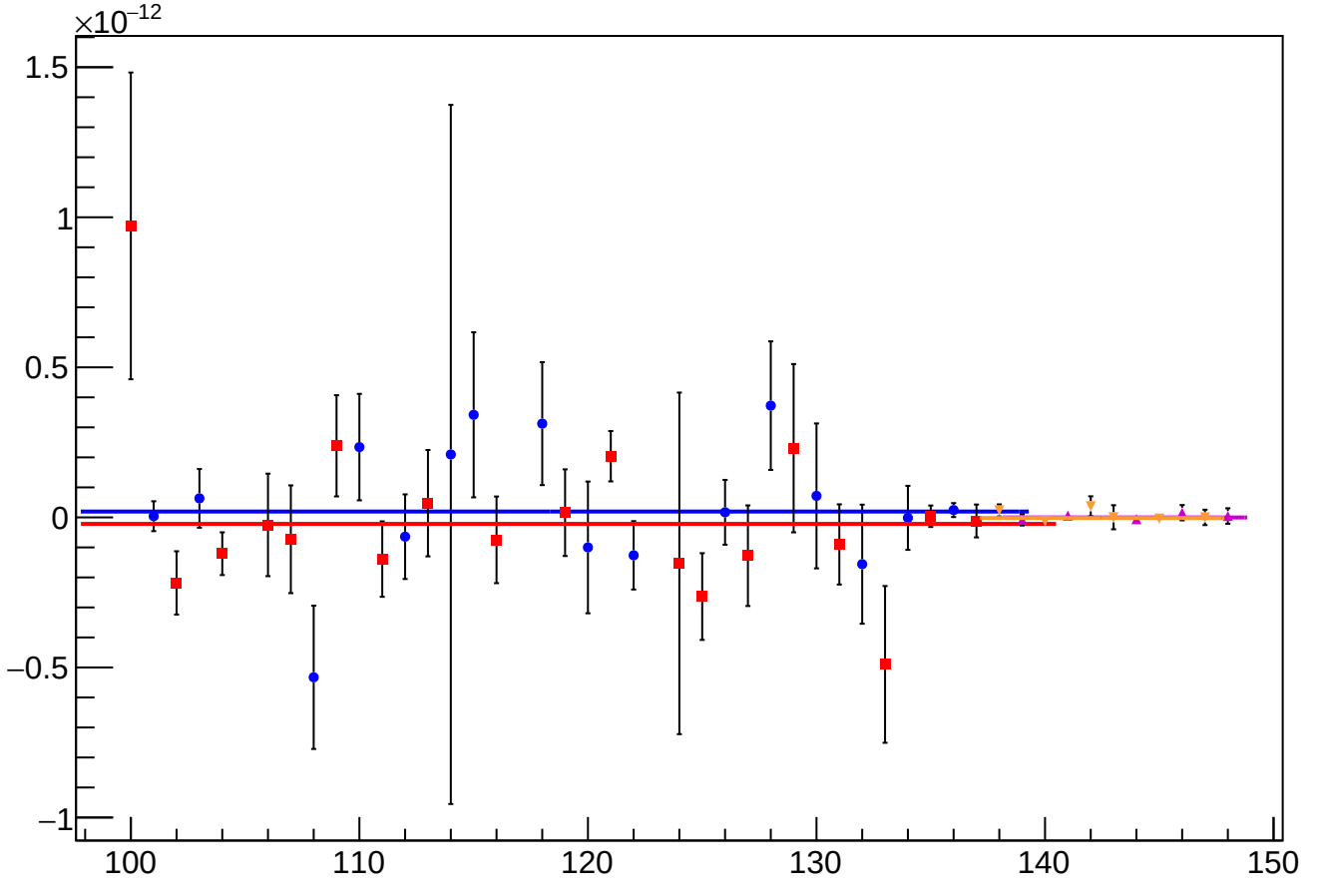
Left: 1458.502+/-0.348 χ^2/NDF: 243210.8/10

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1626.841+/-0.345 χ^2/NDF:920929.1/20

Out: 1681.178+/-0.353 χ^2/NDF:1019095.9/24

All: 1653.392+/-0.247 χ^2/NDF: 1952143.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

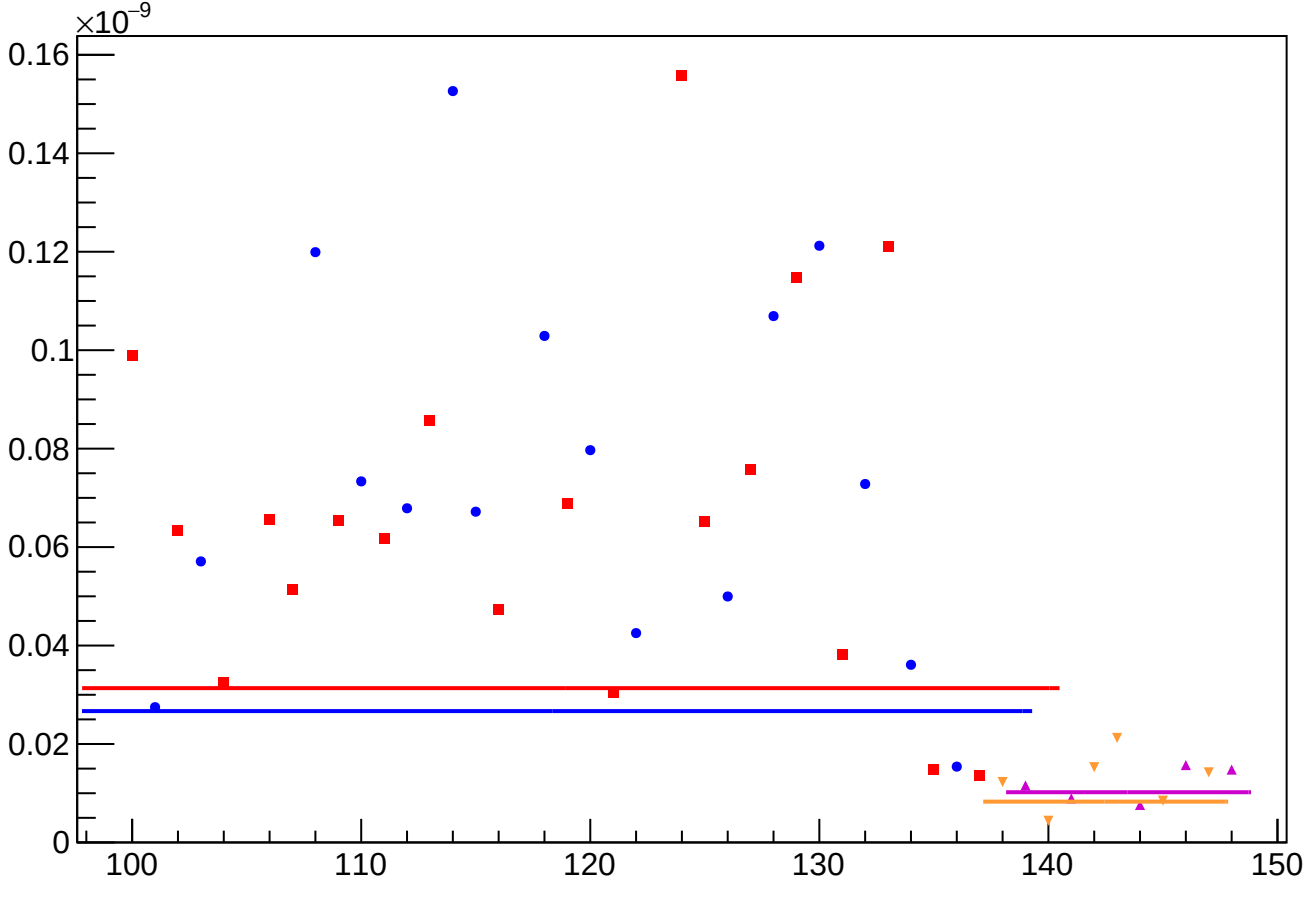
Left: -0.000+/-0.000 χ^2/NDF: 4.9/10

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.3/20

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 51.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:255840.1/4

Left: 0.000+/-0.000 χ^2/NDF: 1064017.8/10

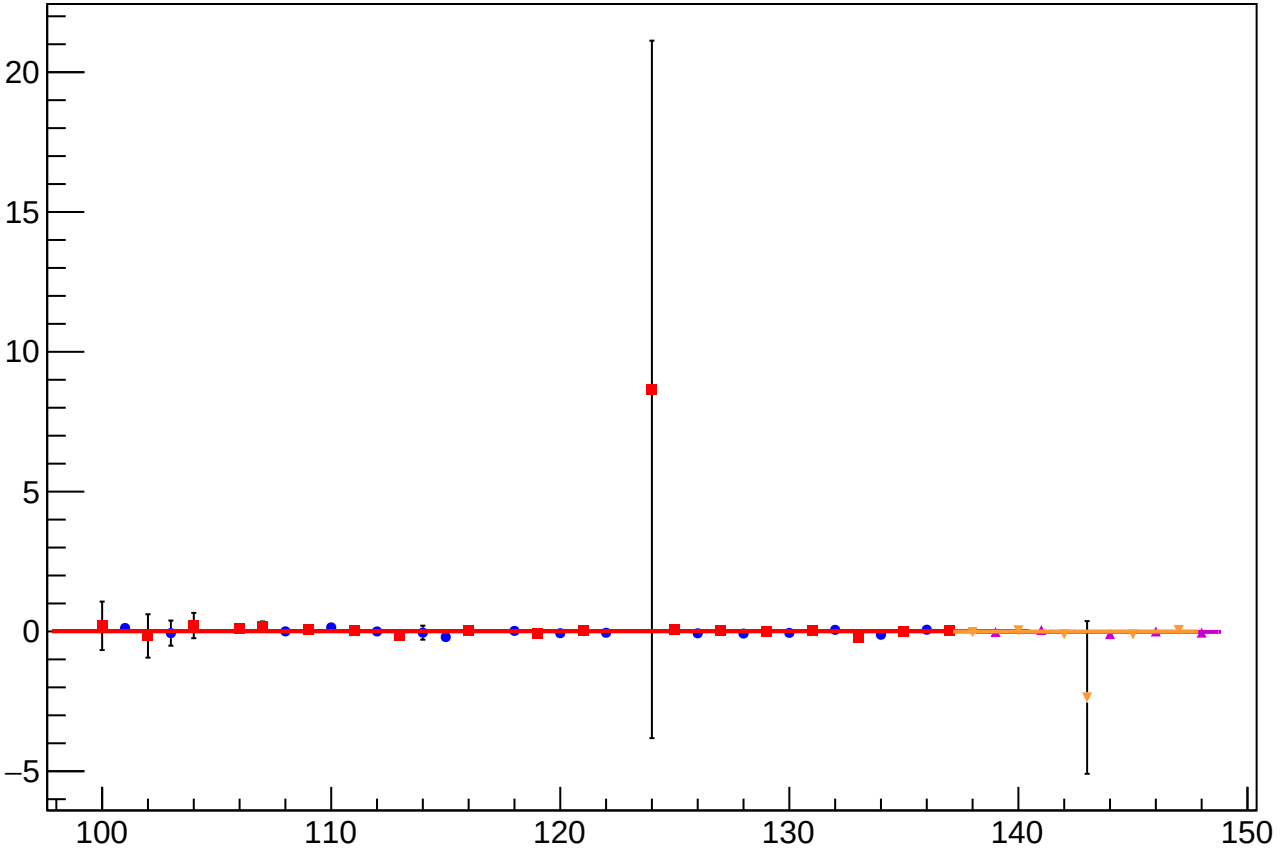
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4132618.0/20

Out: 0.000+/-0.000 χ^2/NDF:4951906.8/24

All: 0.000+/-0.000 χ^2/NDF: 9180753.0/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

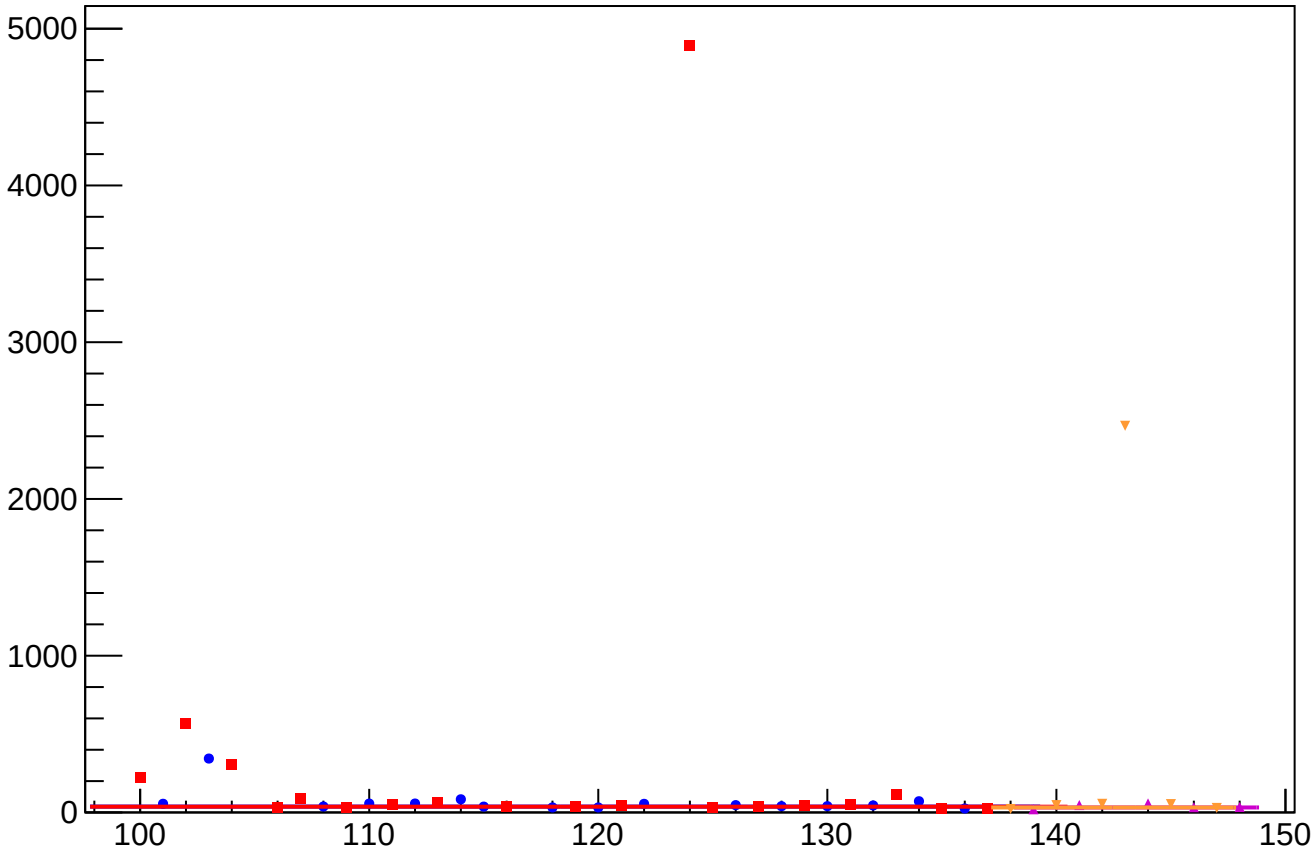
Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

Left: 31.803+/-0.009 χ^2/NDF: 3279132.4/10

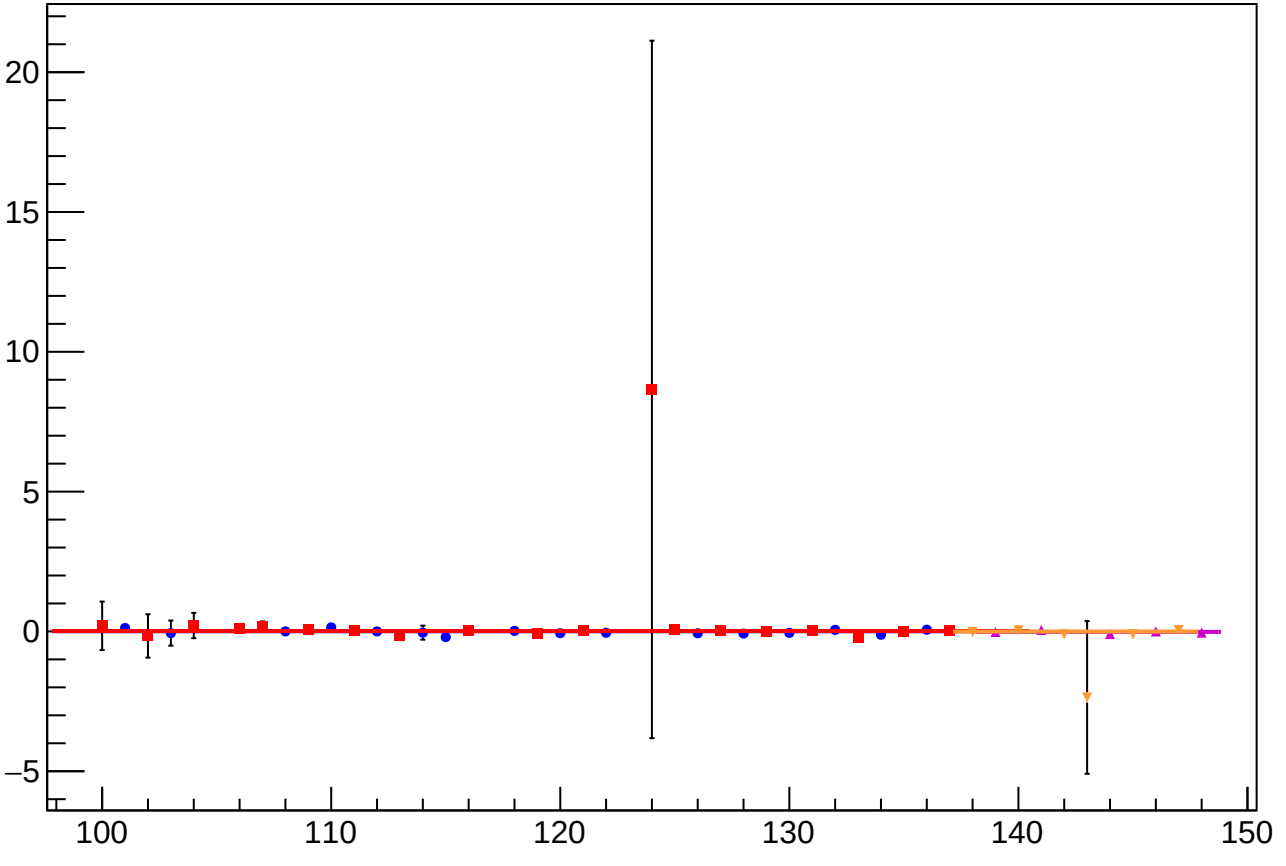
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

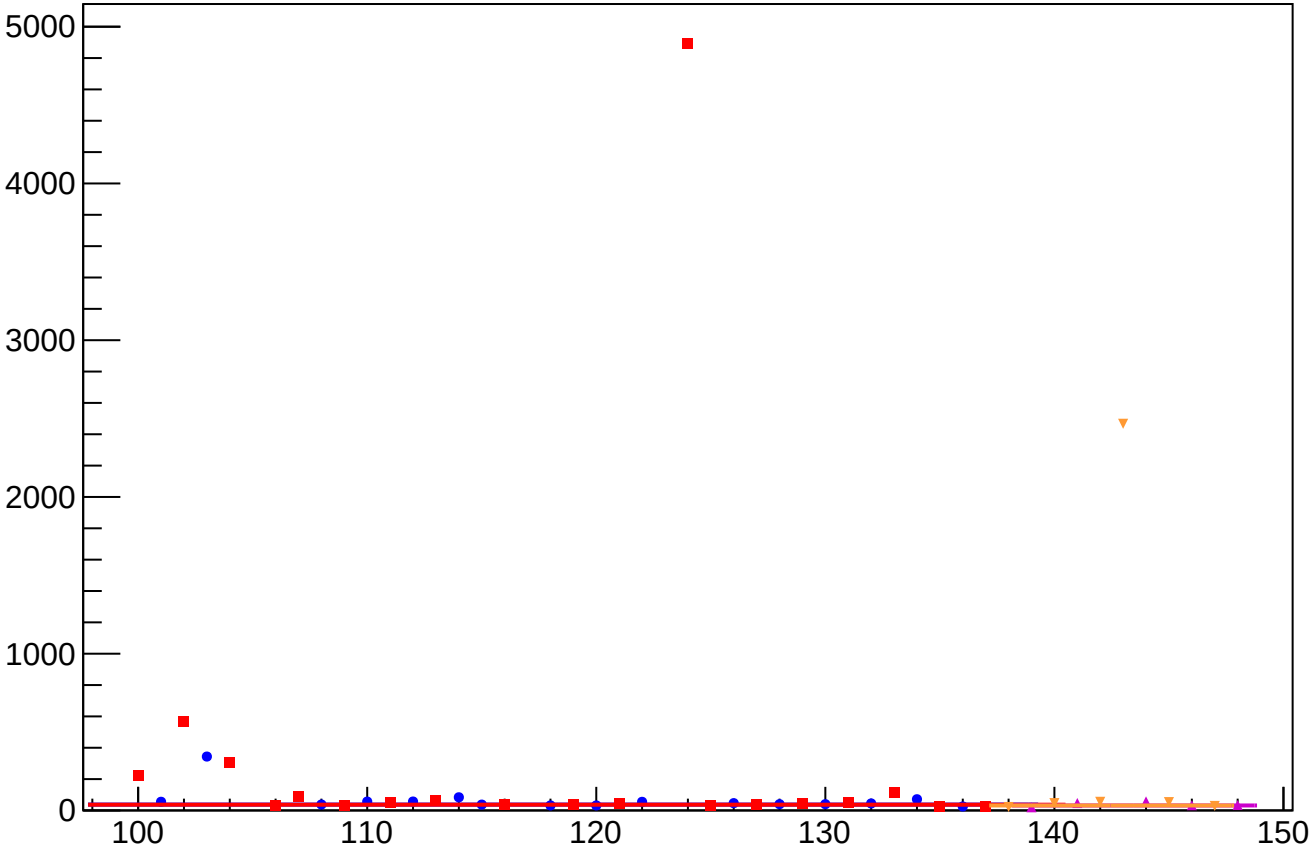
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

Left: 31.803+/-0.009 χ^2/NDF: 3279132.4/10

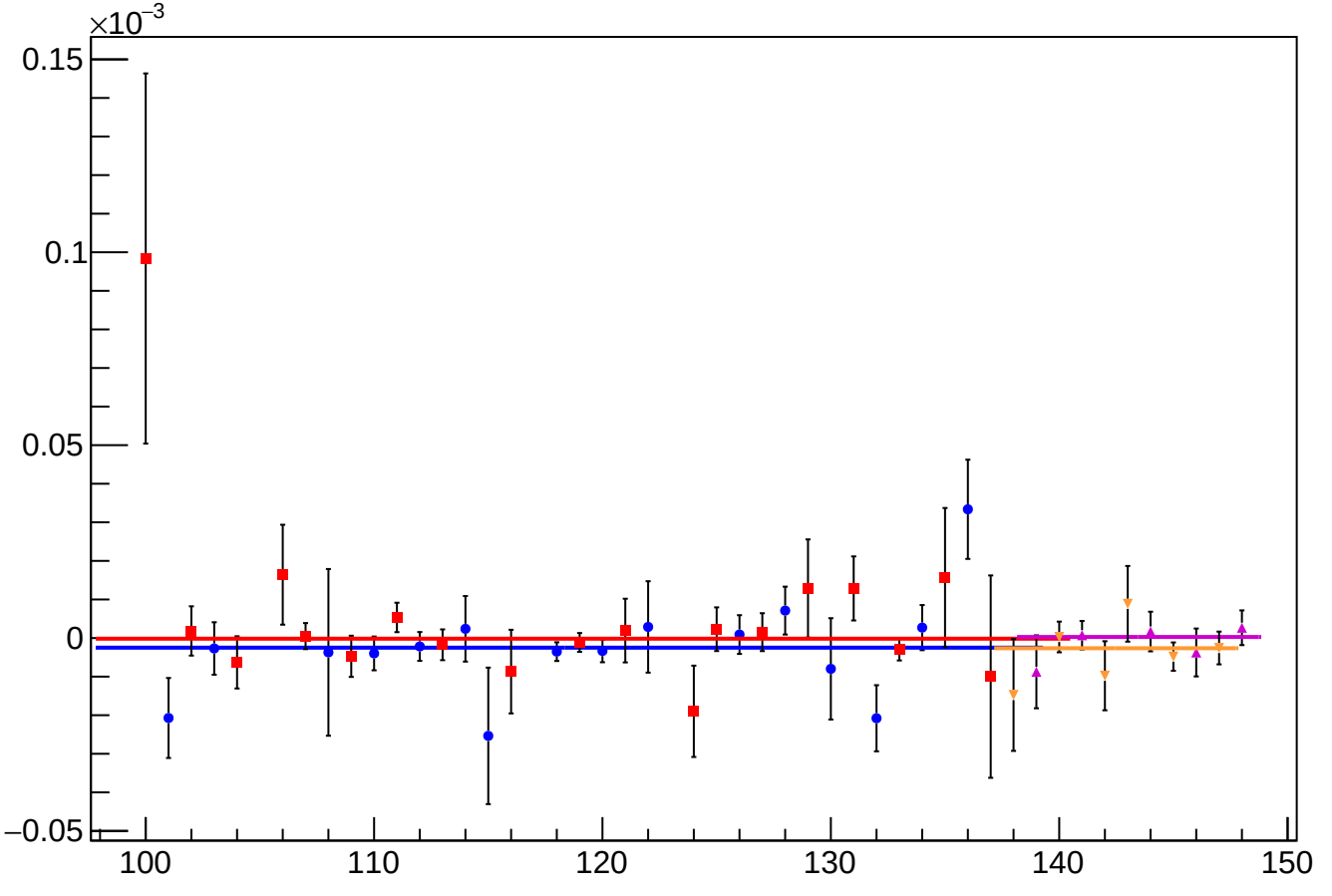
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.747+/-0.006 χ^2/NDF: 8646744.5/45

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:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

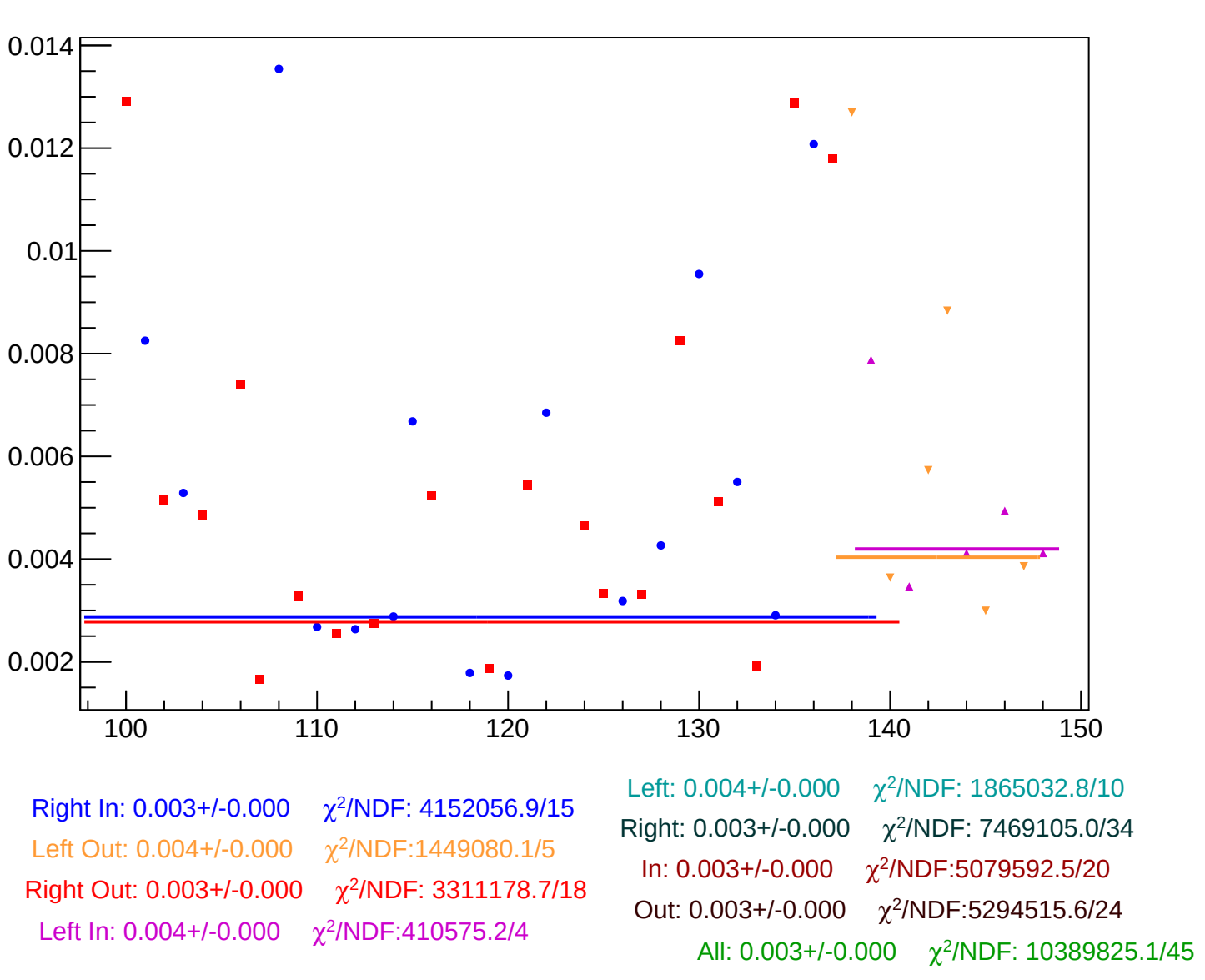
Left: -0.000+/-0.000 χ^2/NDF: 6.2/10

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

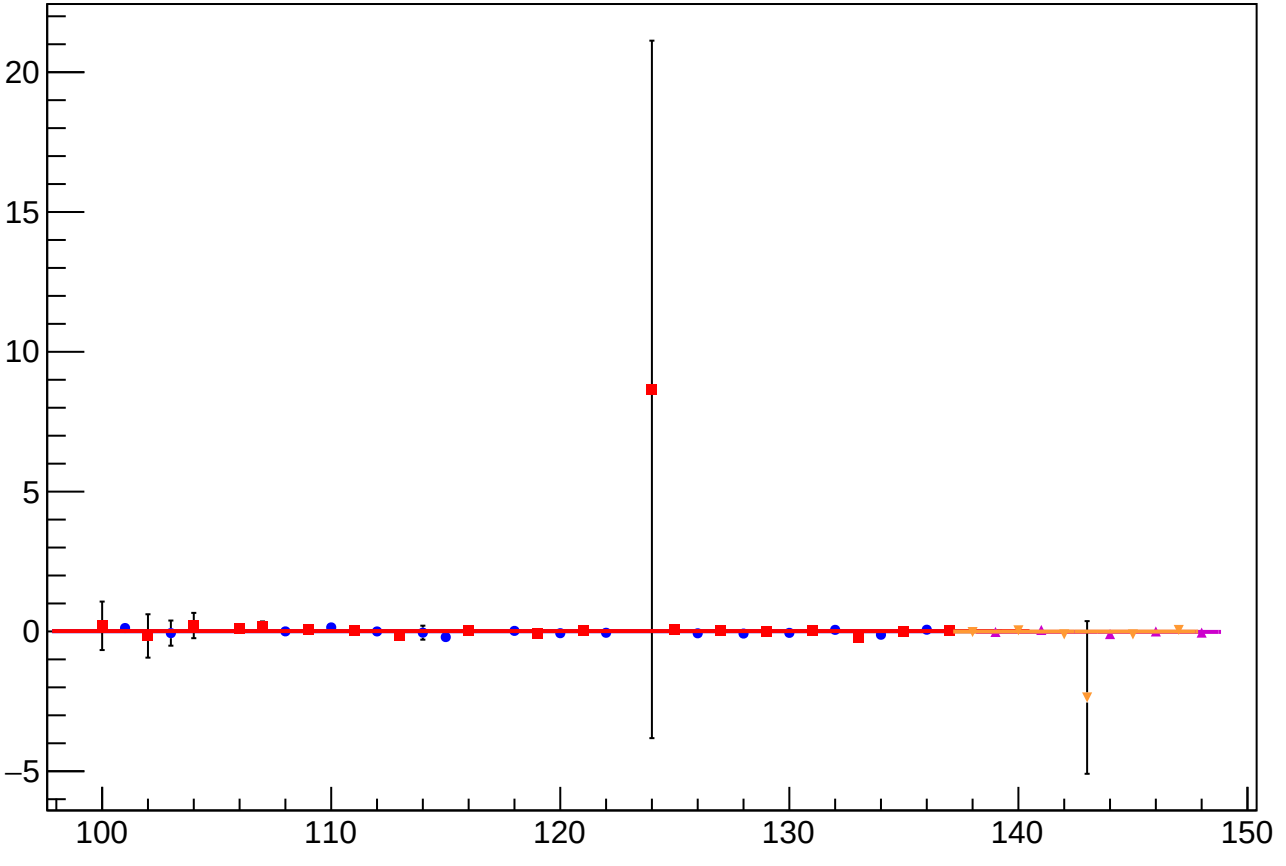
In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:23.5/24

All: -0.000+/-0.000 χ^2/NDF: 48.7/45


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1449080.1/5
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:410575.2/4
Left: 0.004+/-0.000 χ²/NDF: 1865032.8/10
Right: 0.003+/-0.000 χ²/NDF: 7469105.0/34
In: 0.003+/-0.000 χ²/NDF:5079592.5/20
Out: 0.003+/-0.000 χ²/NDF:5294515.6/24
All: 0.003+/-0.000 χ²/NDF: 10389825.1/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

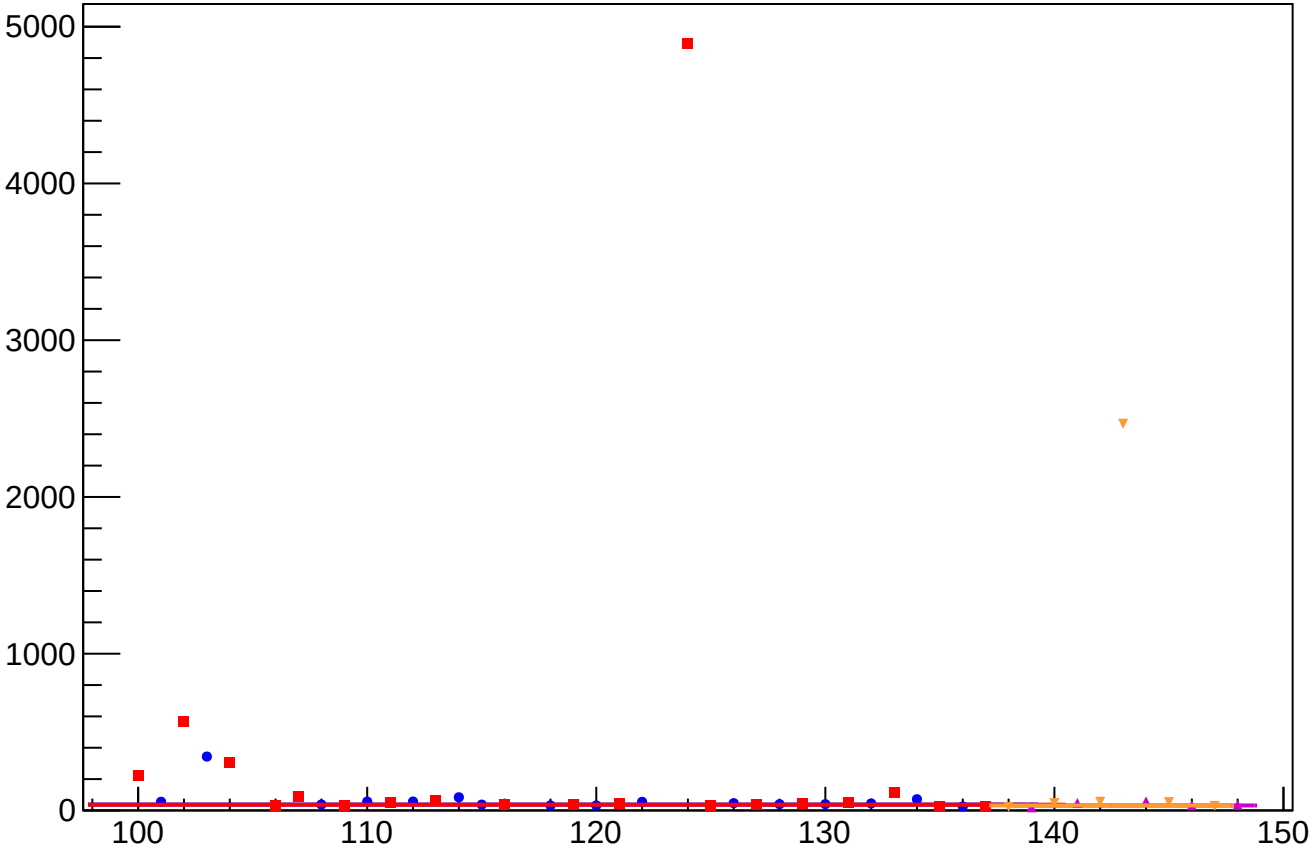
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

Left: 31.804+/-0.009 χ^2/NDF: 3278723.4/10

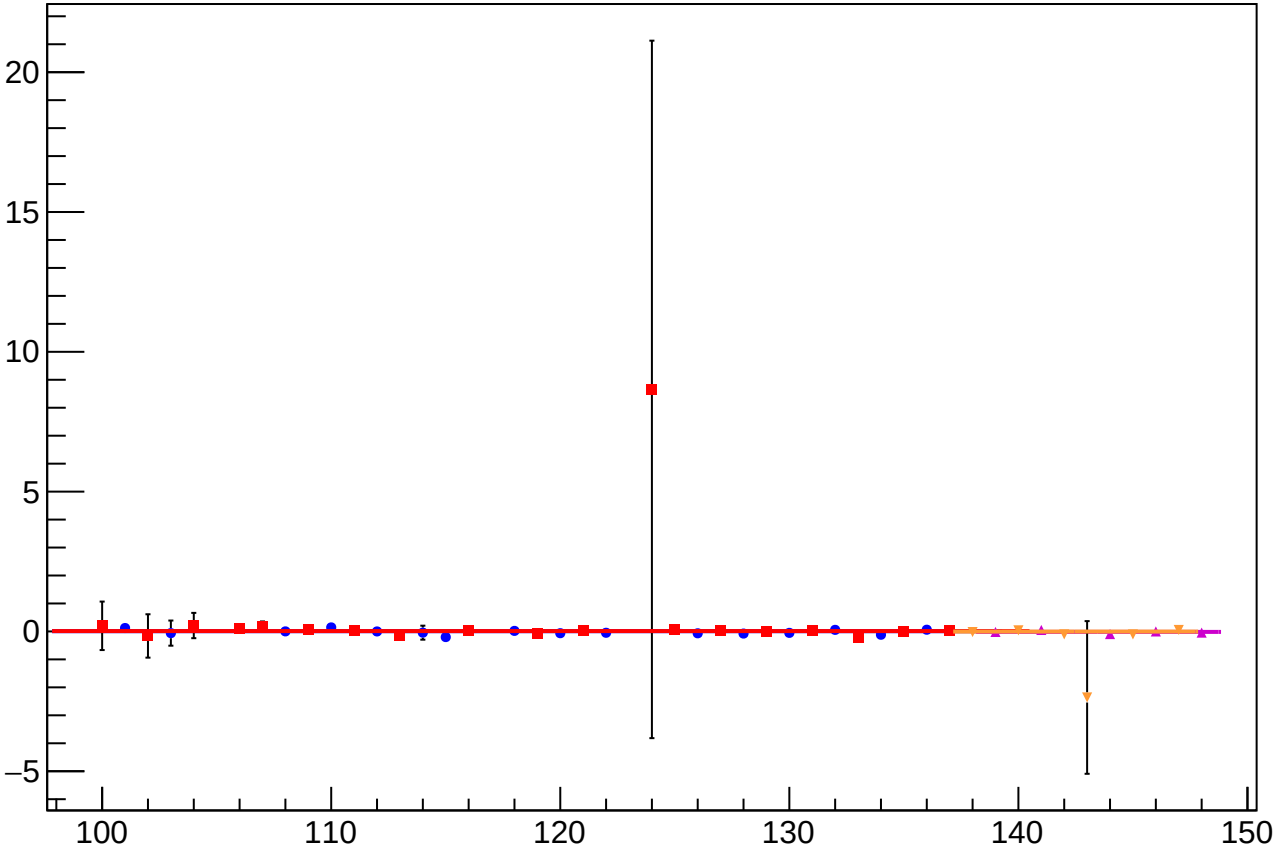
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.017+/-0.017 χ^2/NDF:3.9/4

Left: -0.011+/-0.013 χ^2/NDF: 12.9/10

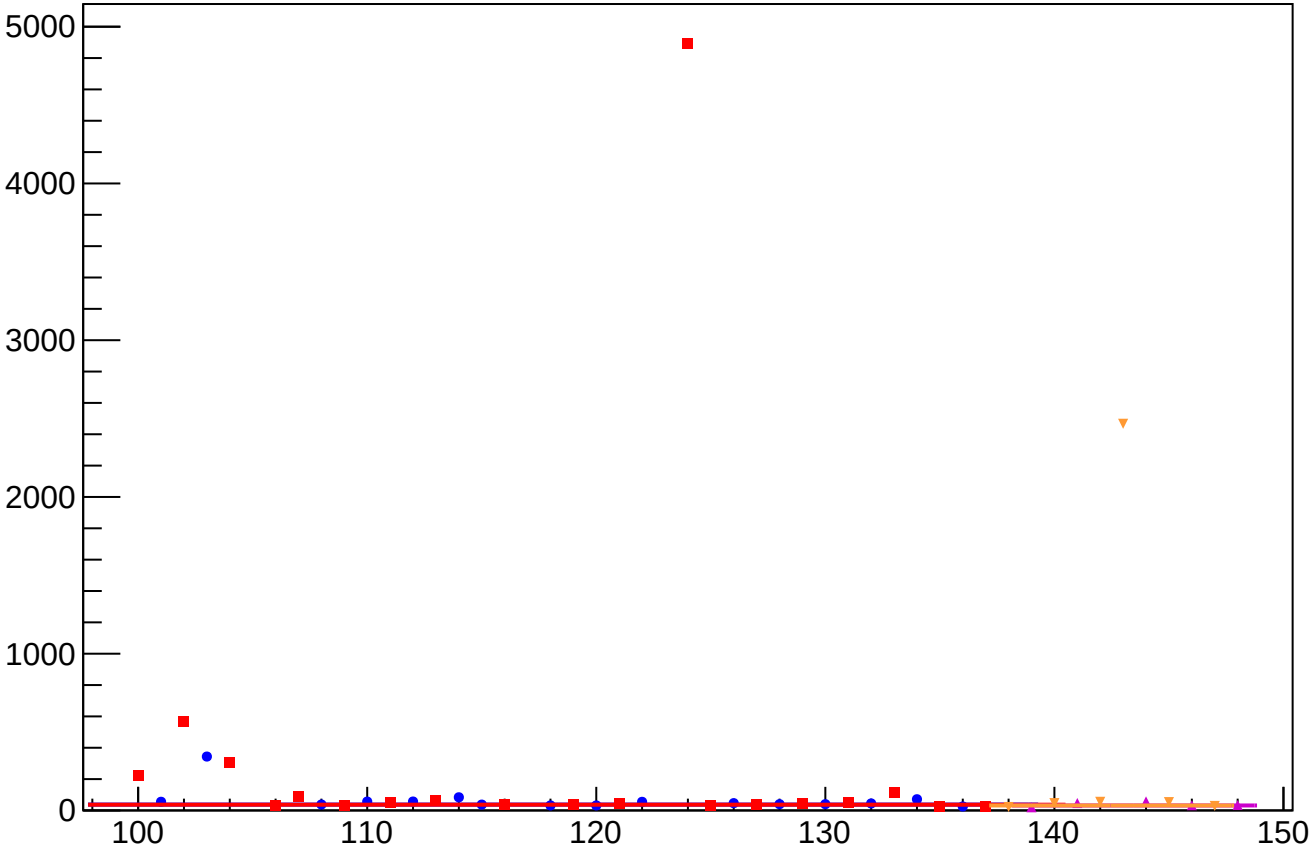
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.001+/-0.009 χ^2/NDF: 46.3/45

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

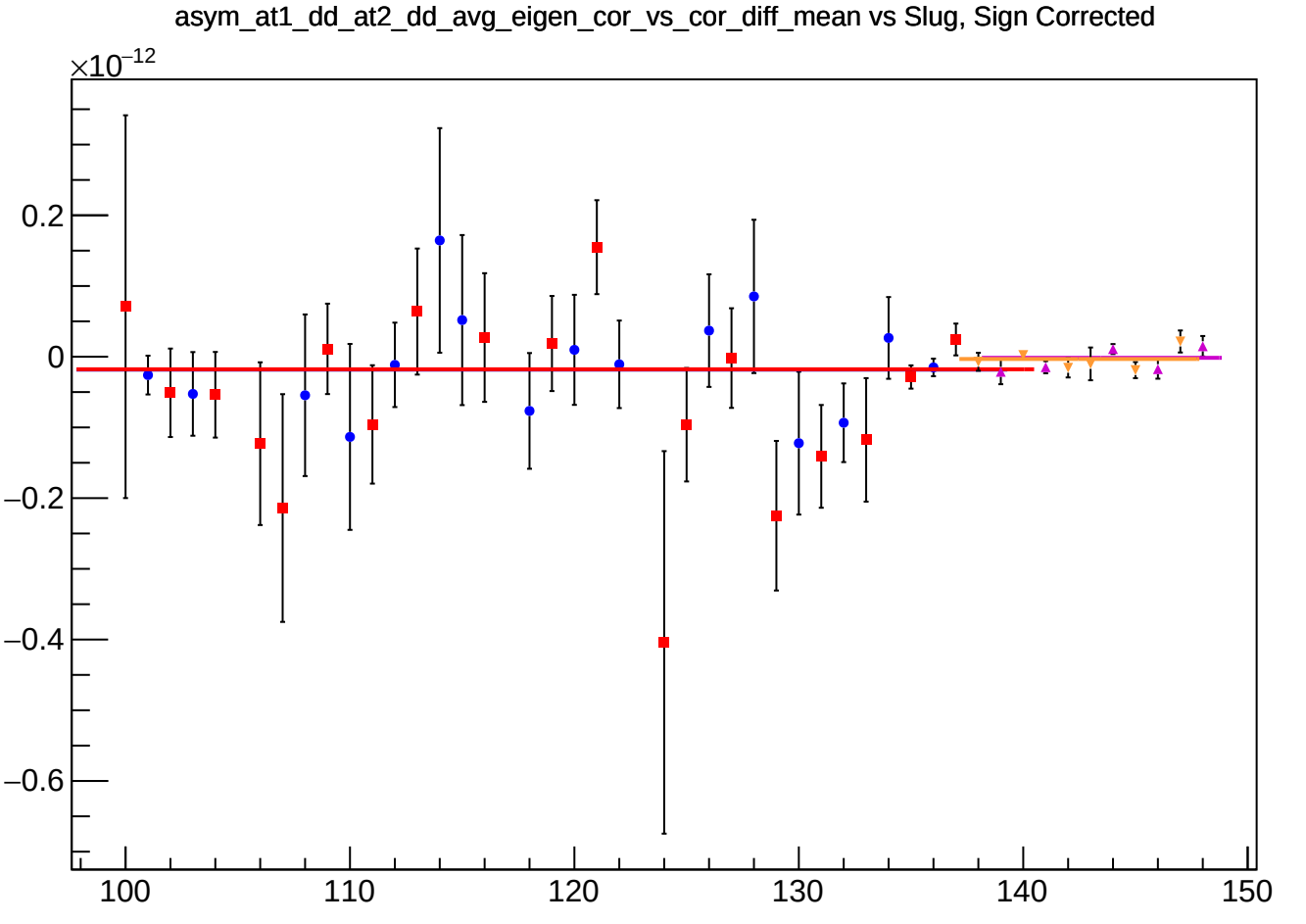
Left: 31.804+/-0.009 χ^2/NDF: 3278723.4/10

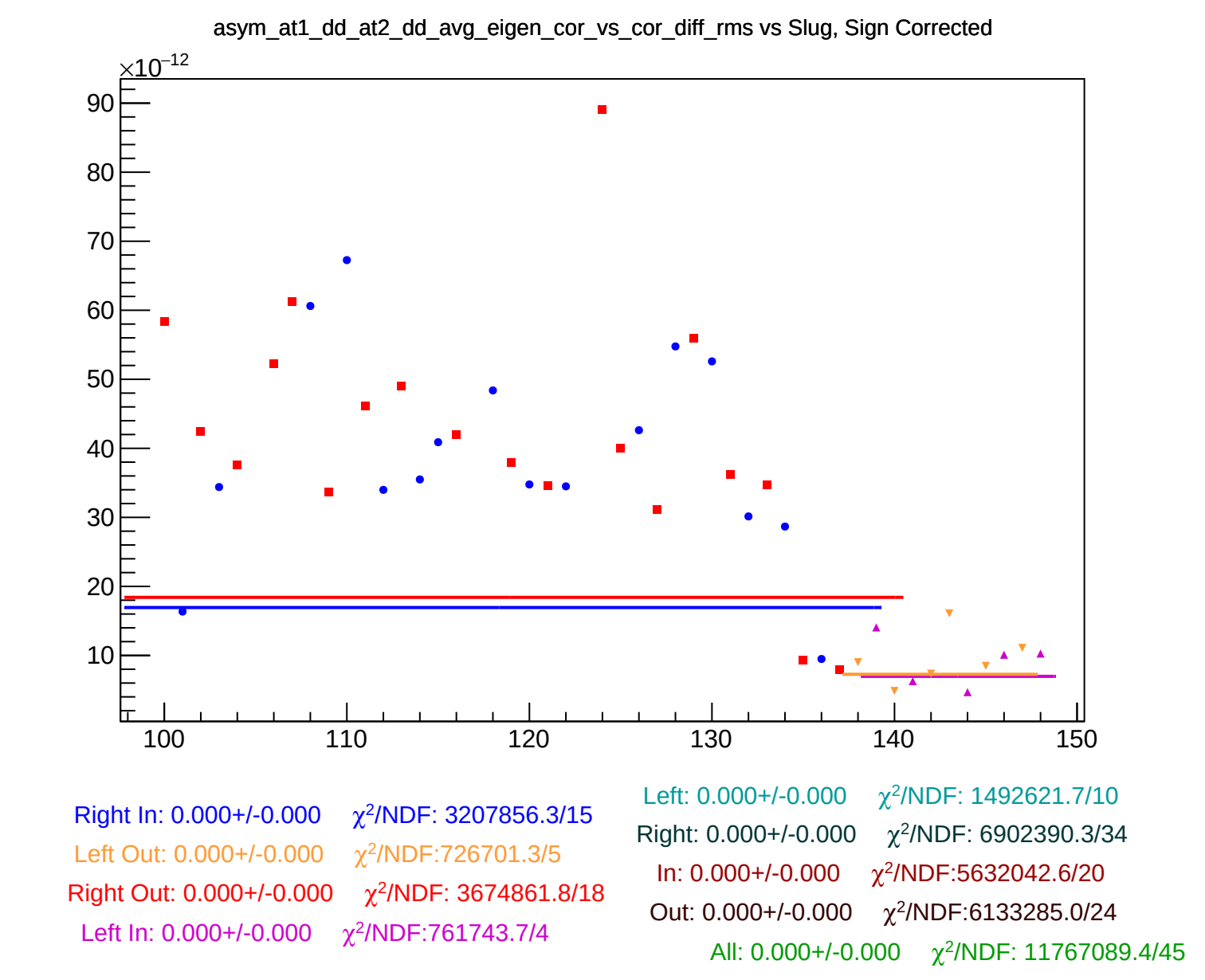
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

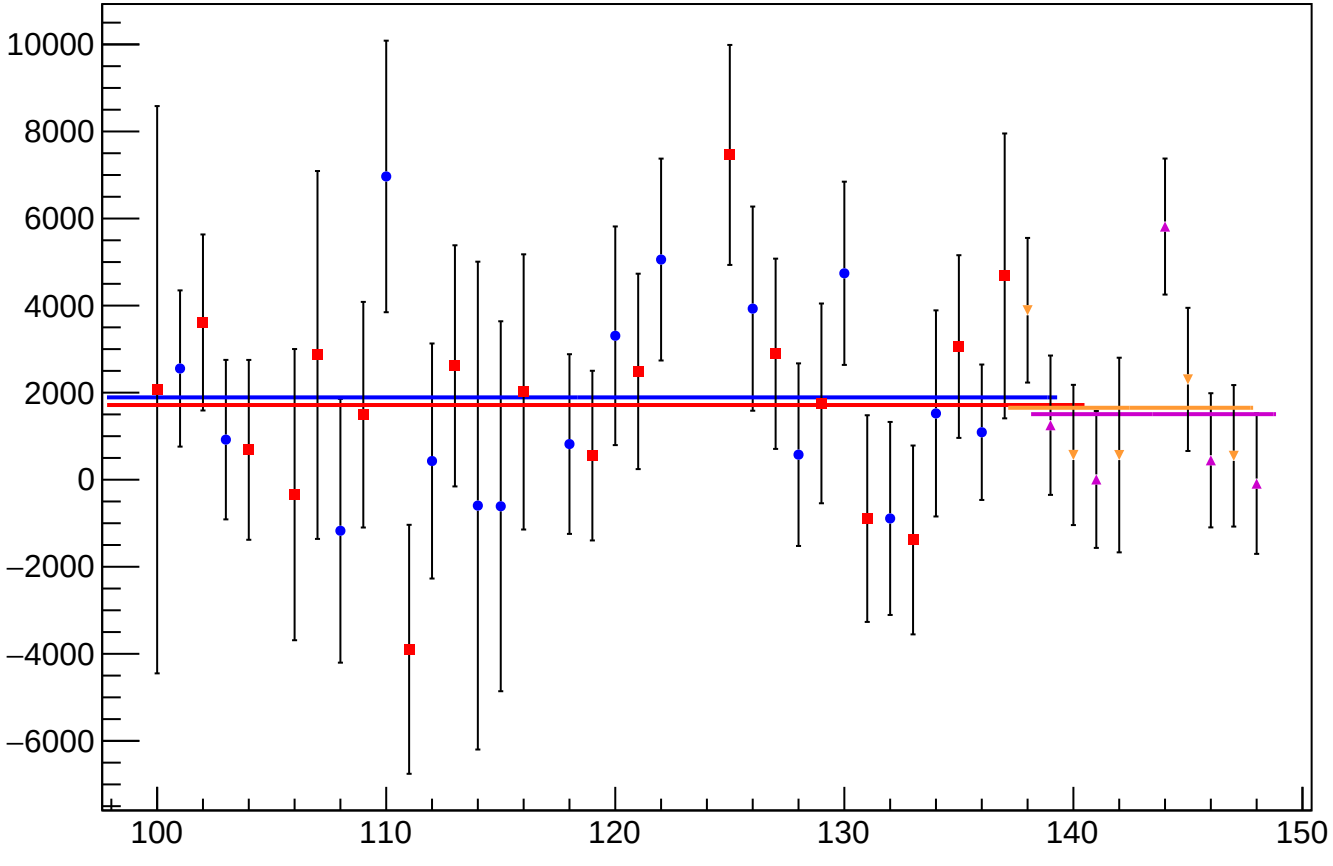
Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.748+/-0.006 χ^2/NDF: 8645940.8/45


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:6.1/5
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.4/4
Left: -0.000+/-0.000 χ²/NDF: 15.6/10
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:20.0/20
Out: -0.000+/-0.000 χ²/NDF:34.9/24
All: -0.000+/-0.000 χ²/NDF: 54.9/45


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:726701.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:761743.7/4
Left: 0.000+/-0.000 χ²/NDF: 1492621.7/10
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5632042.6/20
Out: 0.000+/-0.000 χ²/NDF:6133285.0/24
All: 0.000+/-0.000 χ²/NDF: 11767089.4/45

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.430+/-767.860 χ^2/NDF:3.1/4

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1505.886+/-705.477 χ^2/NDF:10.0/4

Left: 1572.964+/-519.504 χ^2/NDF: 13.1/9

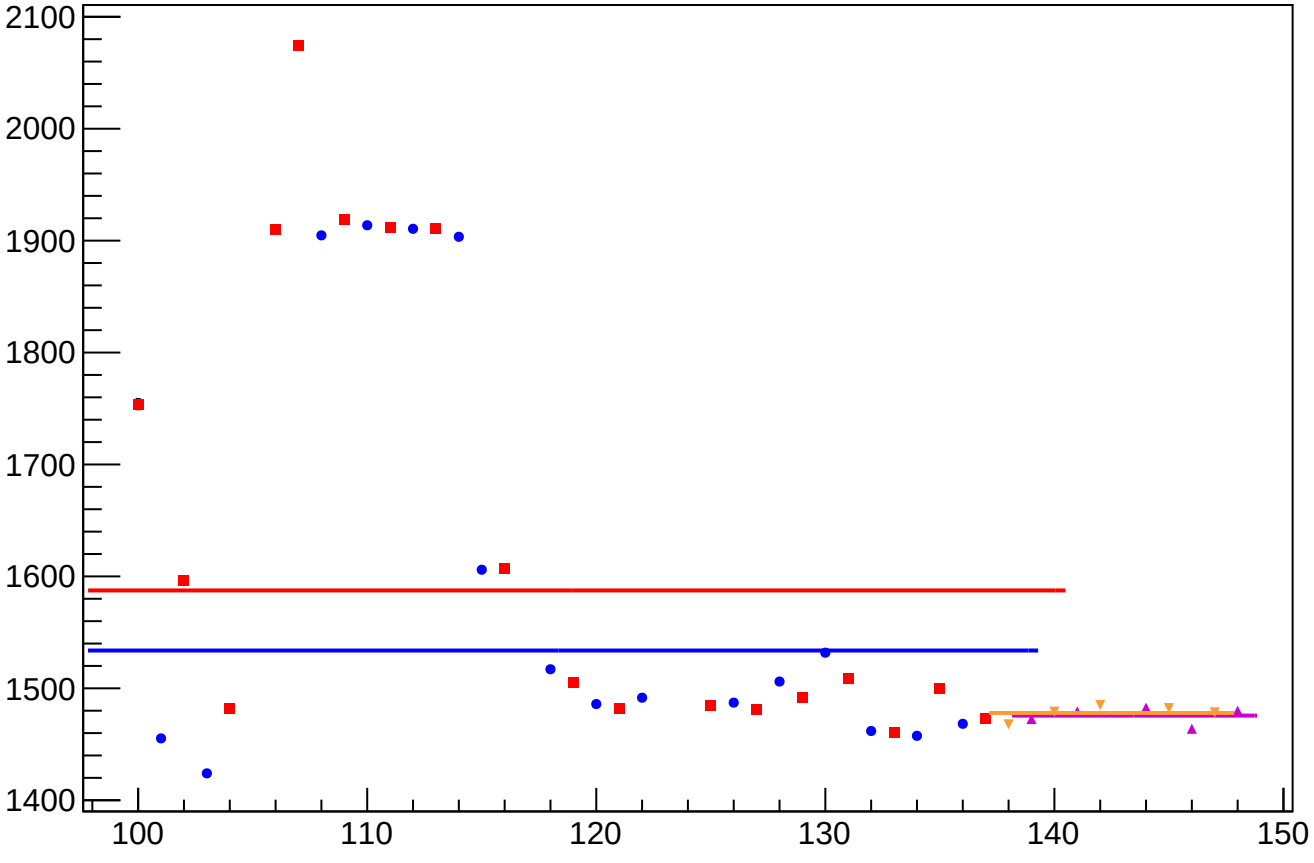
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1738.444+/-444.421 χ^2/NDF:22.4/20

Out: 1692.368+/-467.603 χ^2/NDF:19.1/22

All: 1716.577+/-322.137 χ^2/NDF: 41.5/43

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

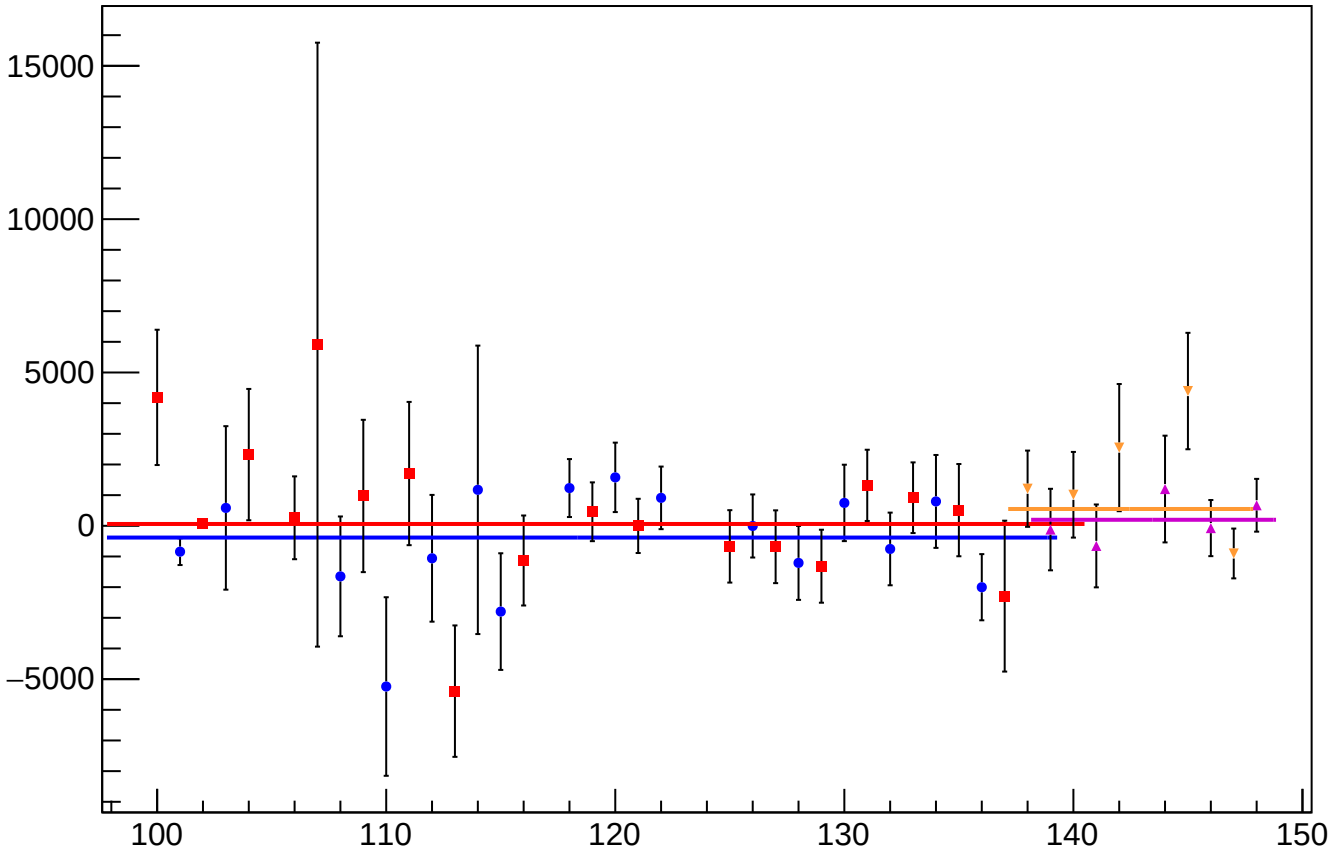
Left: 1476.700+/-0.367 χ^2/NDF: 312.1/9

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1510.698+/-0.314 χ^2/NDF:137656.3/20

Out: 1546.856+/-0.331 χ^2/NDF:197685.0/22

All: 1527.859+/-0.228 χ^2/NDF: 341624.7/43



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.673+/-560.308 χ^2/NDF:8.6/4

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 196.738+/-500.778 χ^2/NDF:1.2/4

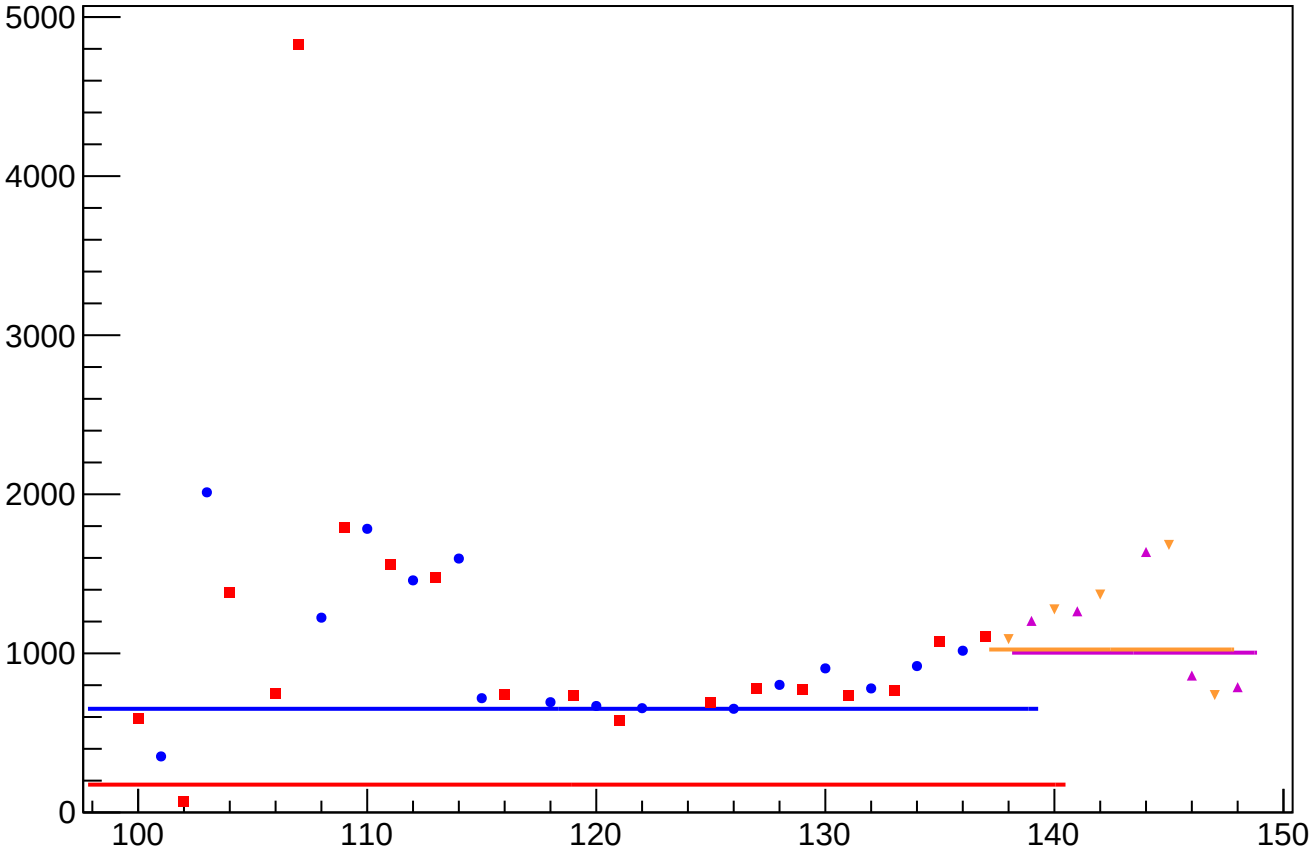
Left: 353.023+/-373.382 χ^2/NDF: 10.0/9

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -250.609+/-239.160 χ^2/NDF:20.4/20

Out: 84.102+/-124.508 χ^2/NDF:27.1/22

All: 12.730+/-110.438 χ^2/NDF: 49.1/43



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1024.246+/-0.396 χ^2/NDF:614654.7/4

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1004.451+/-0.354 χ^2/NDF:560372.3/4

Left: 1013.241+/-0.264 χ^2/NDF: 1176414.7/9

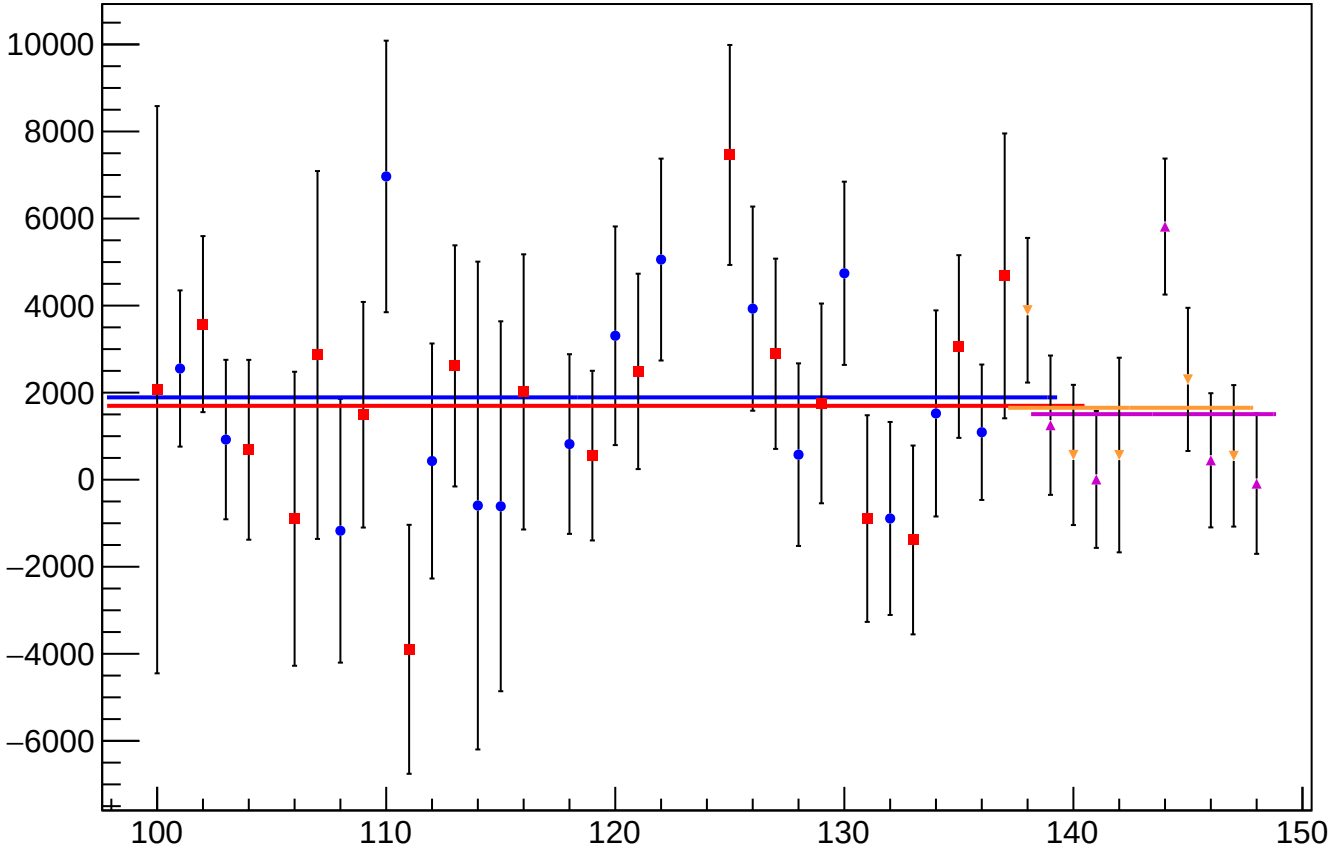
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 732.019+/-0.169 χ^2/NDF:4089832.4/20

Out: 216.838+/-0.088 χ^2/NDF:14744614.4/22

All: 326.693+/-0.078 χ^2/NDF: 26136025.9/43

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.348+/-767.860 χ^2/NDF:3.1/4

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1506.046+/-705.477 χ^2/NDF:10.0/4

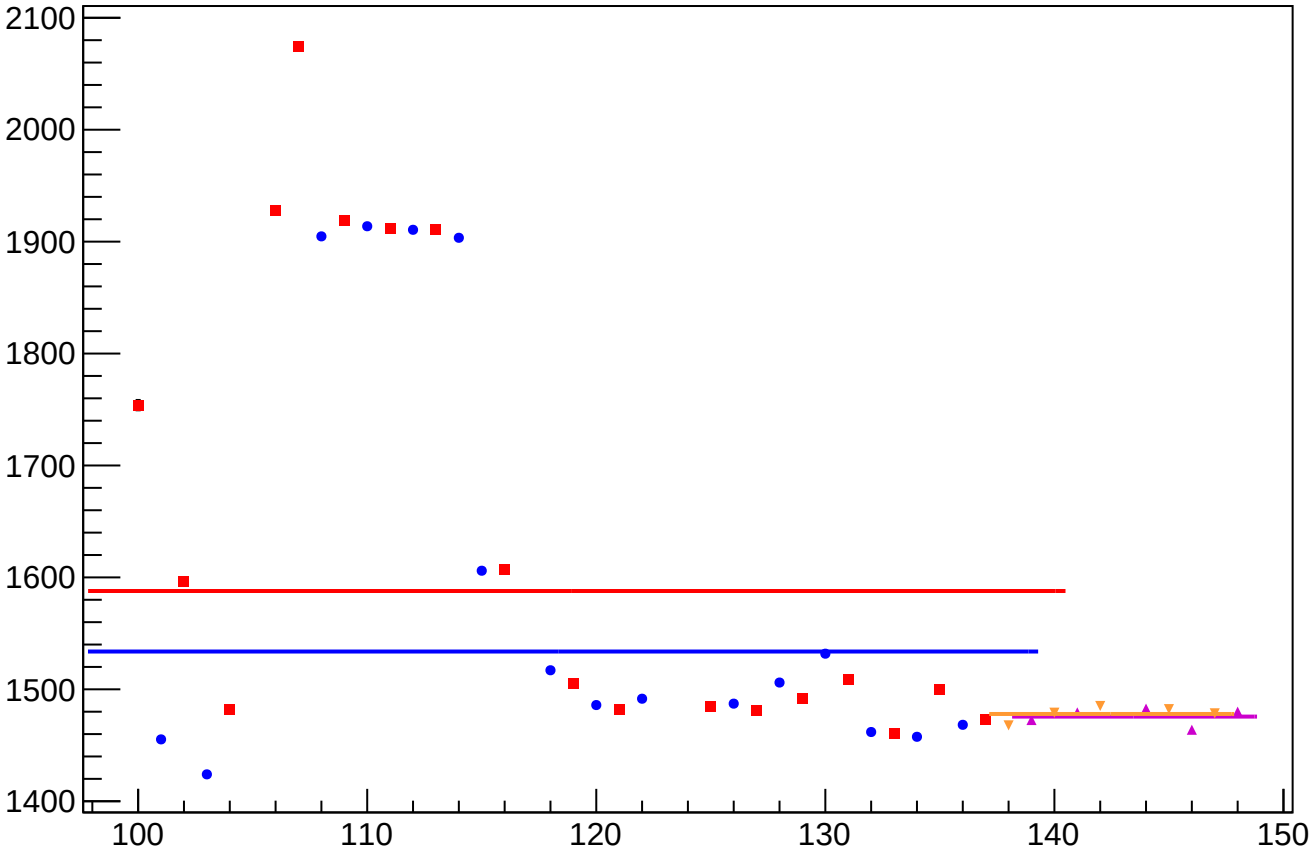
Left: 1573.014+/-519.504 χ^2/NDF: 13.1/9

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1738.571+/-444.421 χ^2/NDF:22.4/20

Out: 1680.427+/-467.693 χ^2/NDF:19.3/22

All: 1710.981+/-322.166 χ^2/NDF: 41.7/43



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

Left: 1476.700+/-0.367 χ^2/NDF: 312.1/9

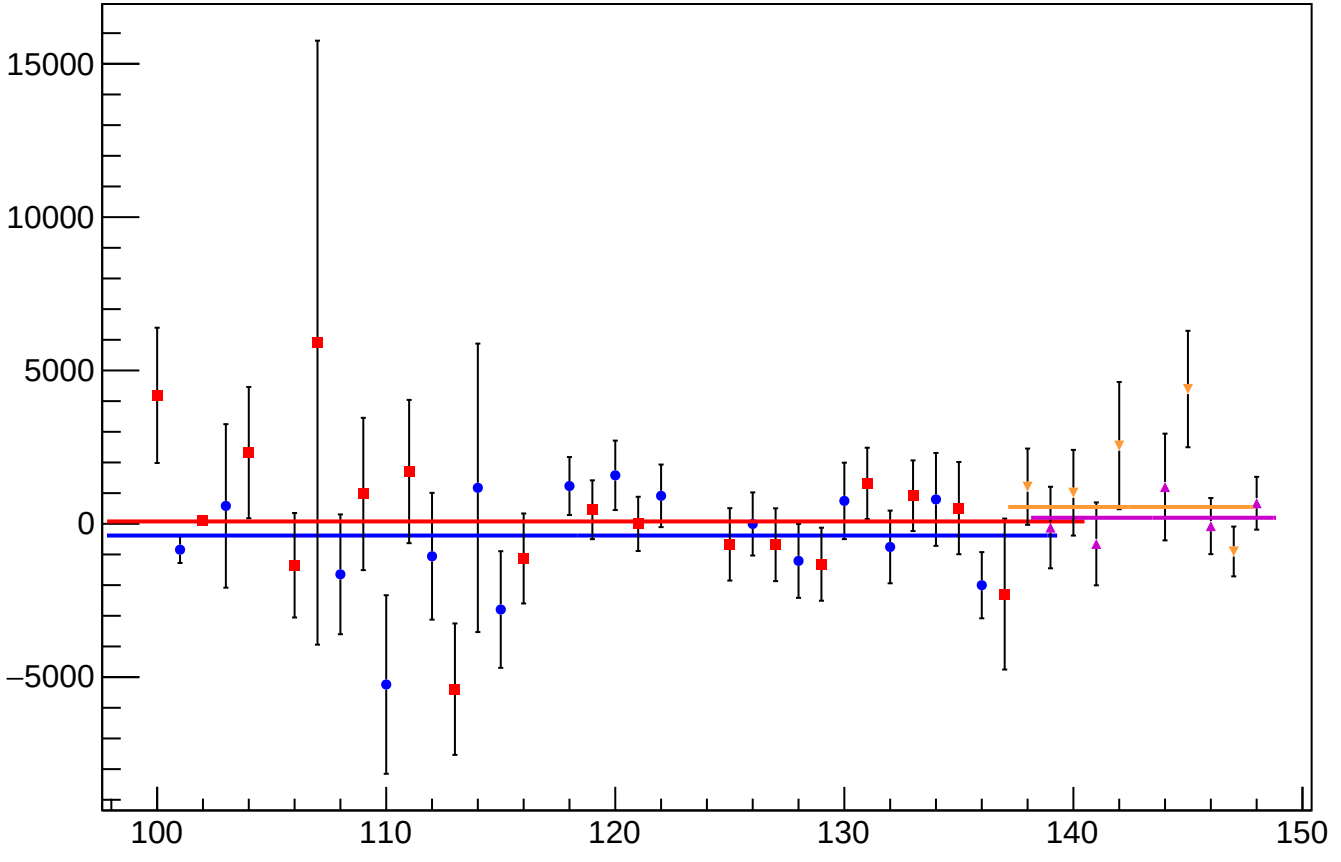
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1510.698+/-0.314 χ^2/NDF:137656.2/20

Out: 1547.083+/-0.331 χ^2/NDF:199638.0/22

All: 1527.963+/-0.228 χ^2/NDF: 343655.2/43

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.569+/-560.314 χ^2/NDF:8.6/4

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 196.861+/-500.773 χ^2/NDF:1.2/4

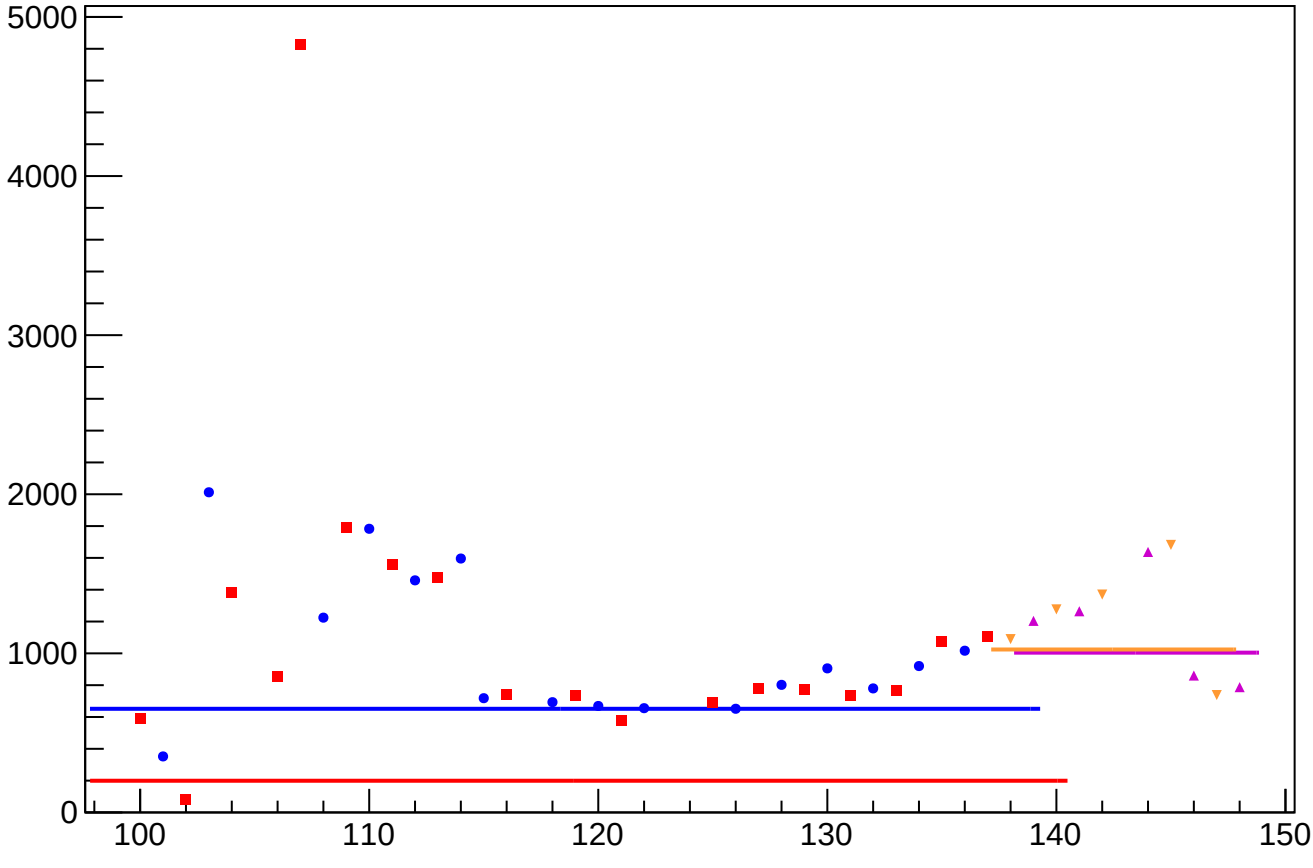
Left: 353.042+/-373.383 χ^2/NDF: 10.0/9

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -250.559+/-239.159 χ^2/NDF:20.4/20

Out: 103.788+/-134.121 χ^2/NDF:27.8/22

All: 19.009+/-116.982 χ^2/NDF: 49.9/43



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1024.262+/-0.396 χ^2/NDF:614618.1/4

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

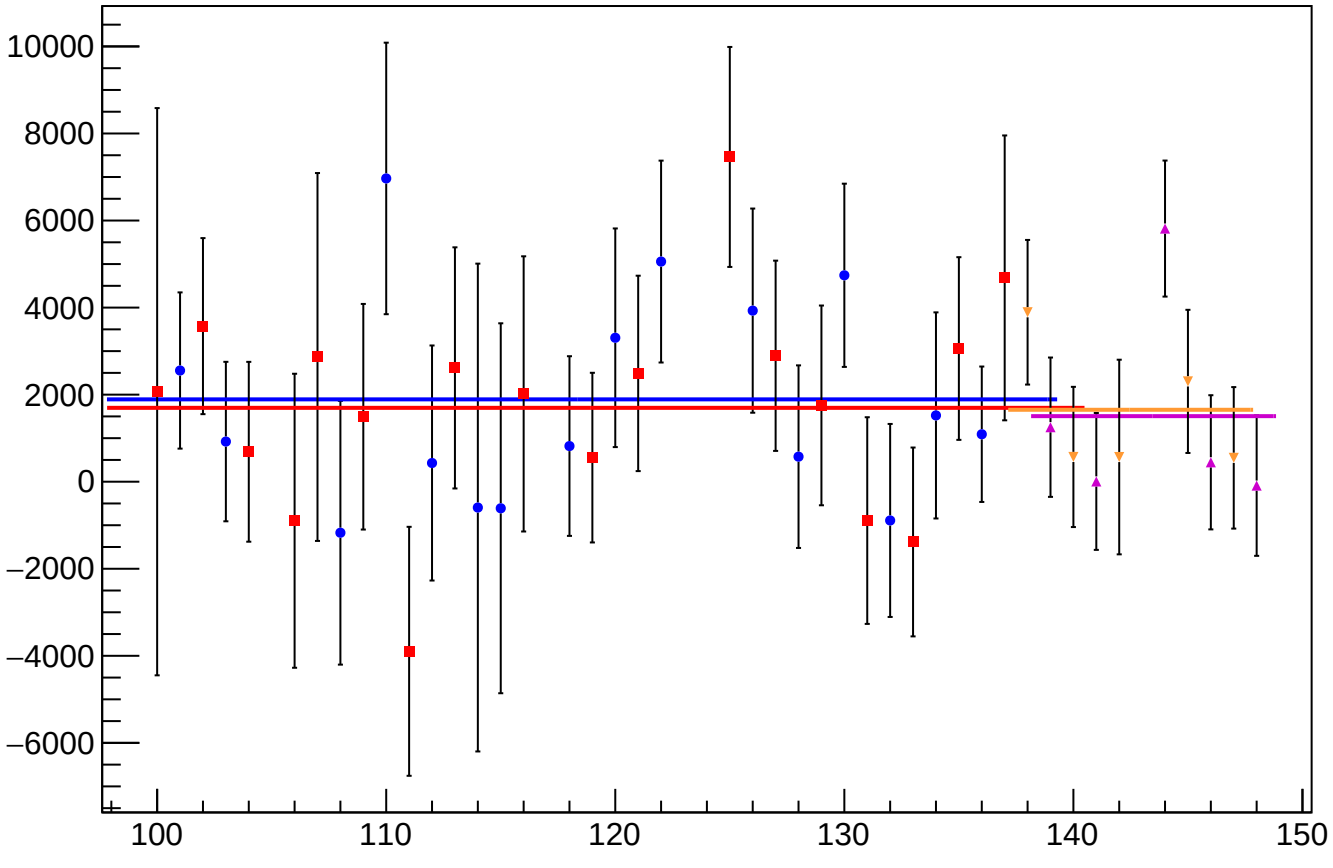
Left: 1013.242+/-0.264 χ^2/NDF: 1176409.6/9

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 732.016+/-0.169 χ^2/NDF:4089854.9/20

Out: 246.609+/-0.095 χ^2/NDF:13986018.1/22

All: 362.745+/-0.083 χ^2/NDF: 24343546.4/43



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.348+/-767.860 χ^2/NDF:3.1/4

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1506.046+/-705.477 χ^2/NDF:10.0/4

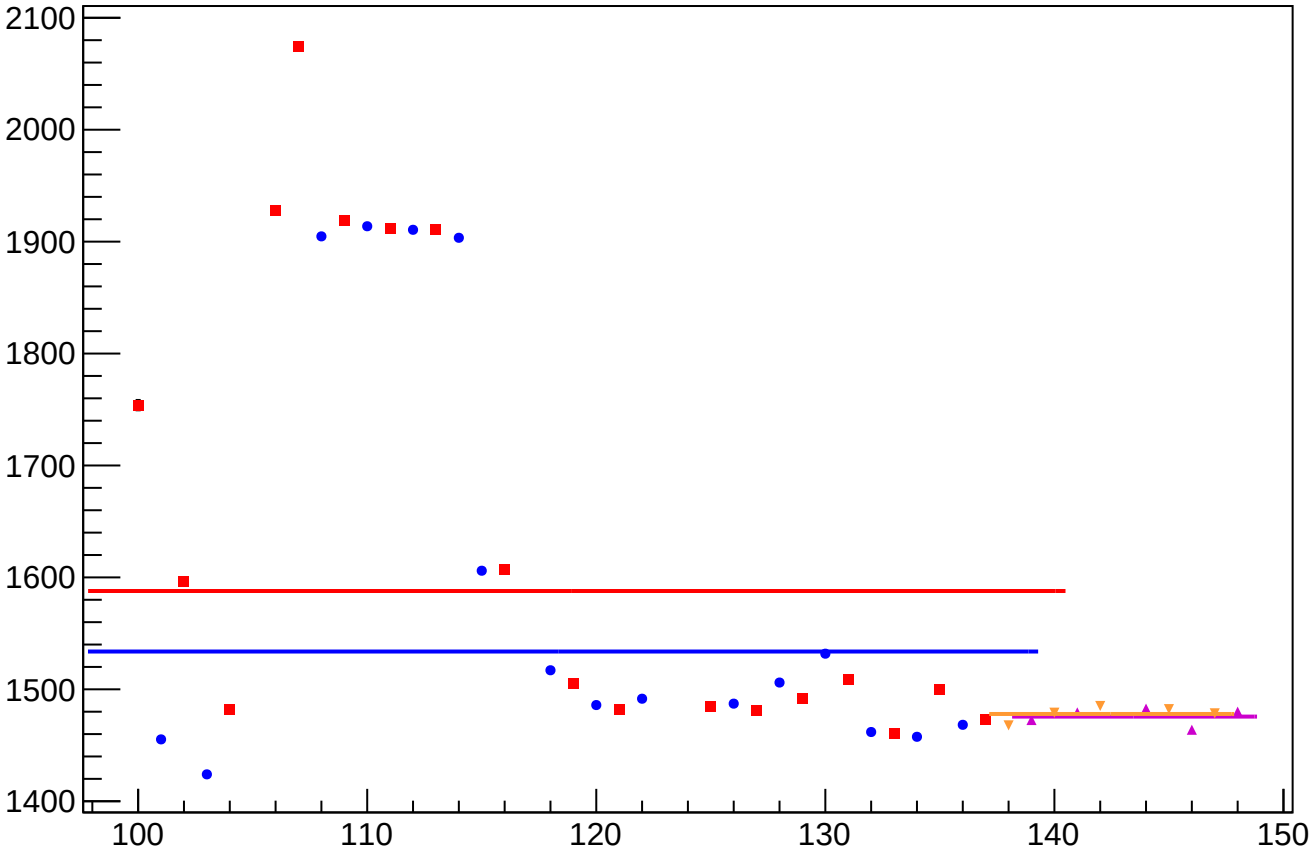
Left: 1573.014+/-519.504 χ^2/NDF: 13.1/9

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1738.571+/-444.421 χ^2/NDF:22.4/20

Out: 1680.427+/-467.693 χ^2/NDF:19.3/22

All: 1710.981+/-322.166 χ^2/NDF: 41.7/43



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

Left: 1476.700+/-0.367 χ^2/NDF: 312.1/9

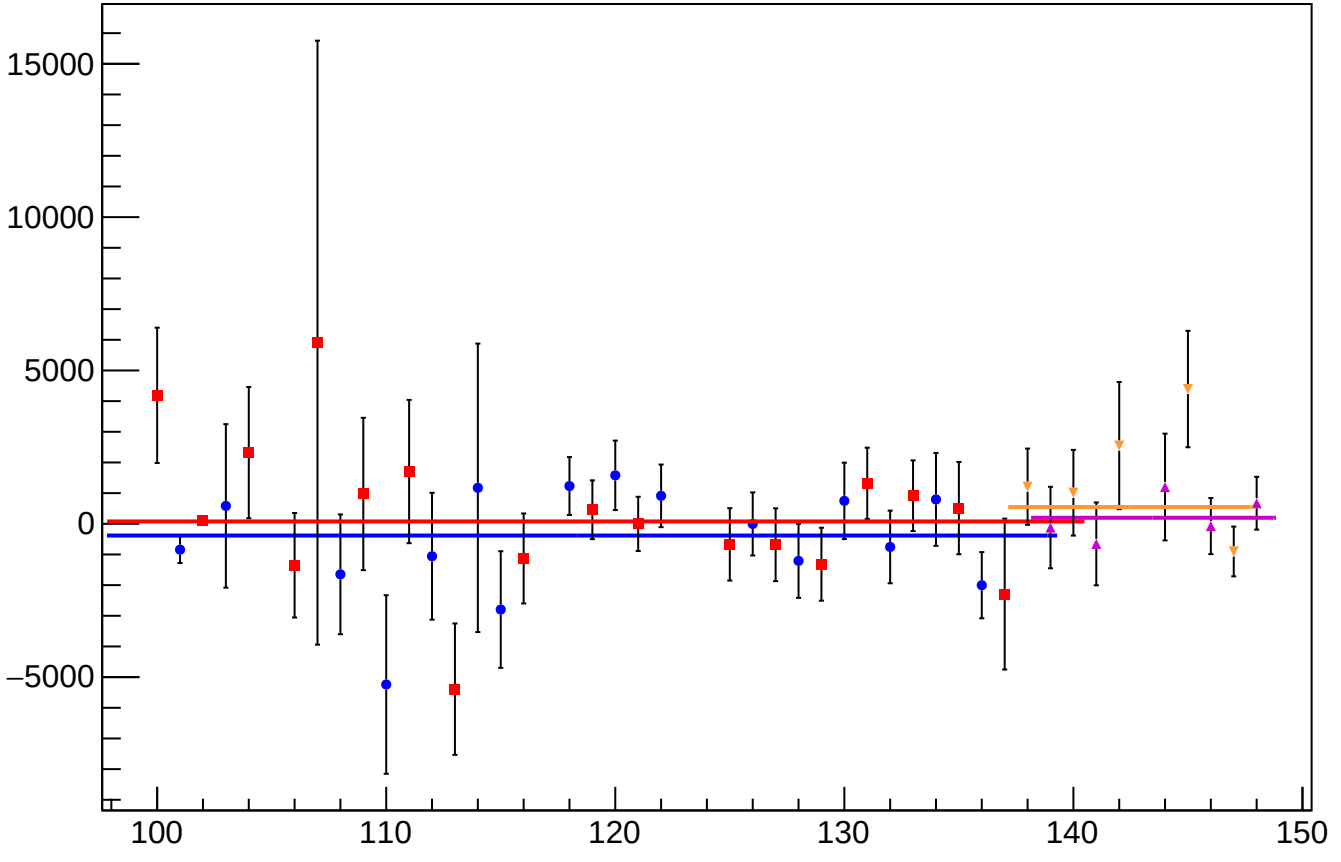
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1510.698+/-0.314 χ^2/NDF:137656.2/20

Out: 1547.083+/-0.331 χ^2/NDF:199638.0/22

All: 1527.963+/-0.228 χ^2/NDF: 343655.2/43

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.569+/-560.314 χ^2/NDF:8.6/4

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 196.861+/-500.773 χ^2/NDF:1.2/4

Left: 353.042+/-373.383 χ^2/NDF: 10.0/9

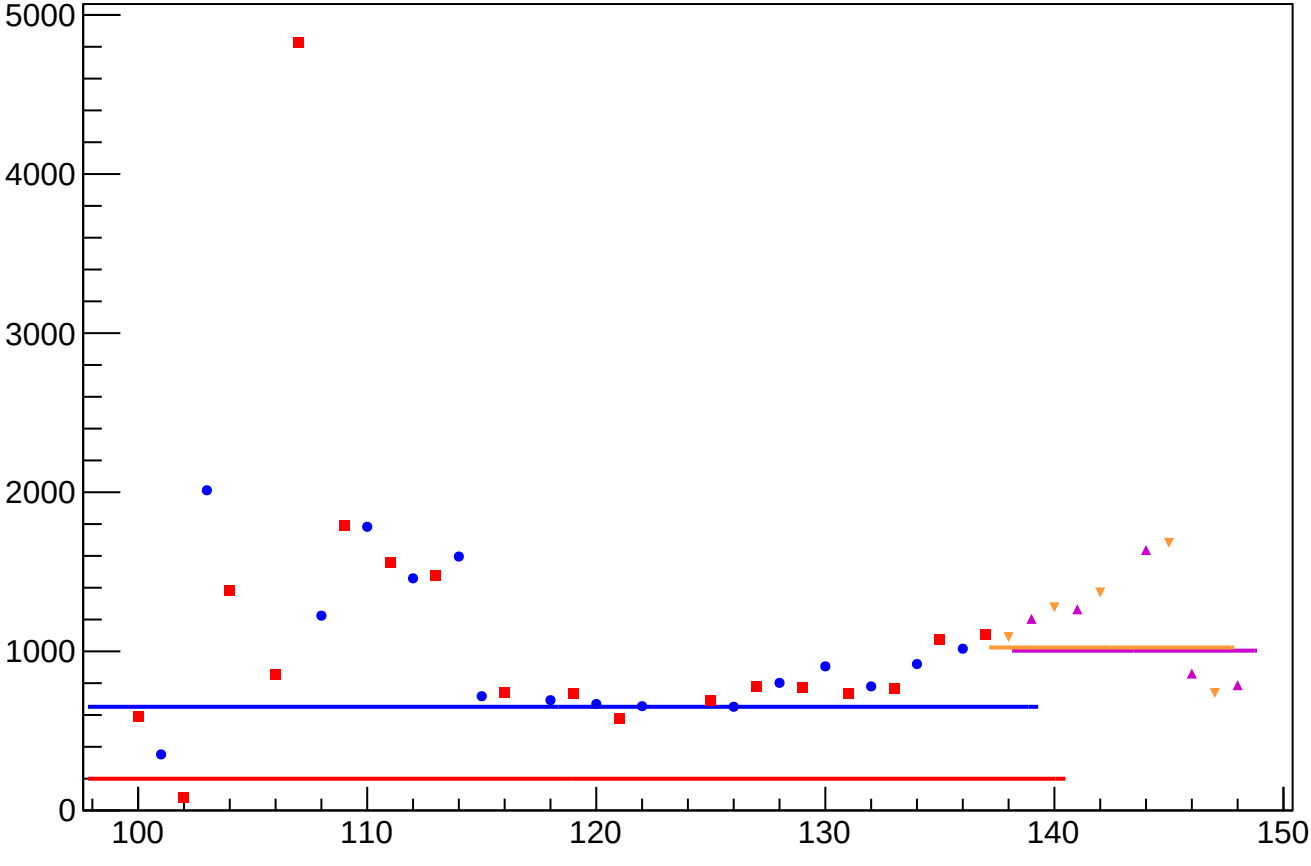
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -250.559+/-239.159 χ^2/NDF:20.4/20

Out: 103.788+/-134.121 χ^2/NDF:27.8/22

All: 19.009+/-116.982 χ^2/NDF: 49.9/43

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: 1024.262+/-0.396 χ^2/NDF:614618.1/4

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

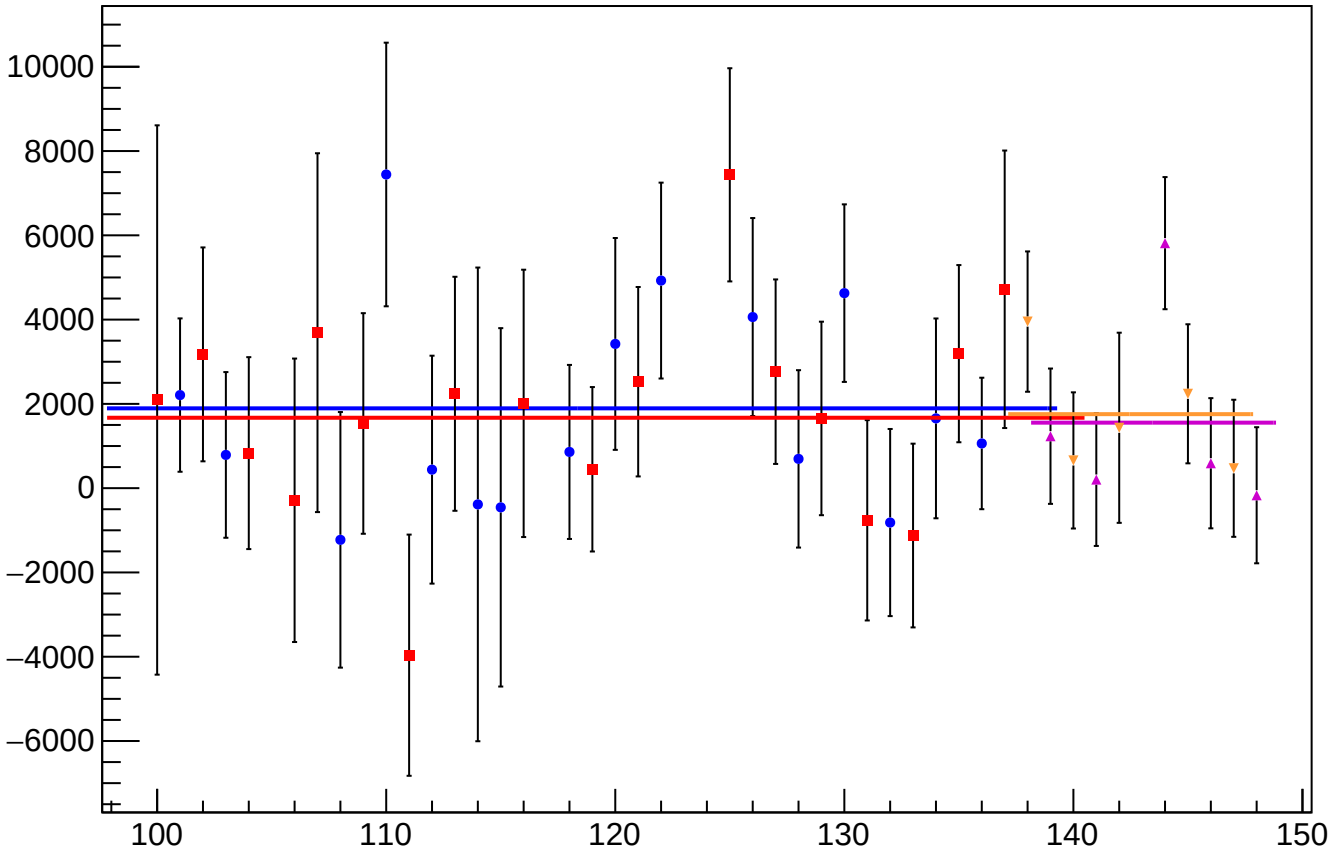
Left: 1013.242+/-0.264 χ^2/NDF: 1176409.6/9

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 732.016+/-0.169 χ^2/NDF:4089854.9/20

Out: 246.609+/-0.095 χ^2/NDF:13986018.1/22

All: 362.745+/-0.083 χ^2/NDF: 24343546.4/43



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1756.196+/-770.267 χ^2/NDF:2.9/4

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1554.425+/-707.086 χ^2/NDF:9.7/4

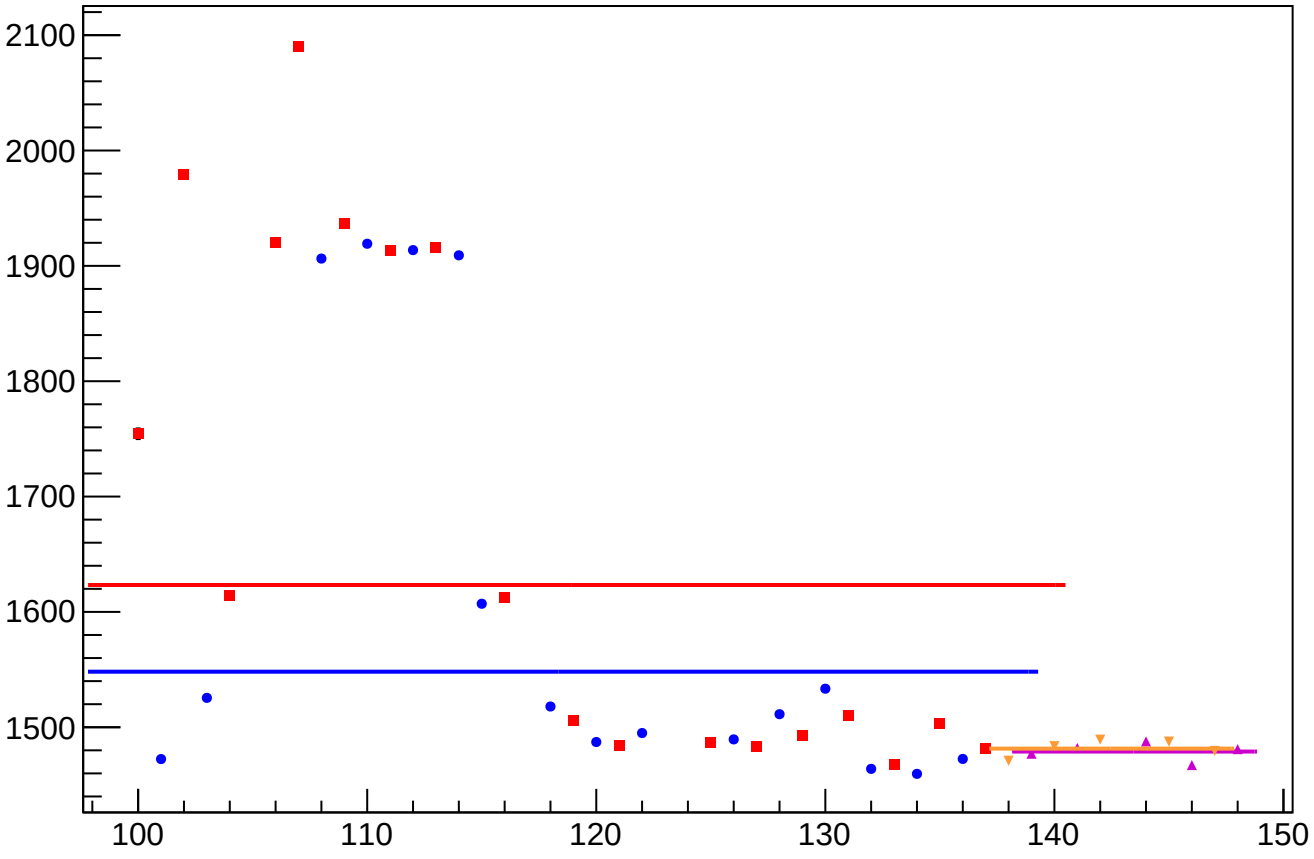
Left: 1646.697+/-520.892 χ^2/NDF: 12.7/9

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1758.189+/-447.339 χ^2/NDF:22.1/20

Out: 1703.454+/-475.707 χ^2/NDF:18.0/22

All: 1732.502+/-325.884 χ^2/NDF: 40.1/43



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.480+/-0.545 χ^2/NDF:137.2/4

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.942+/-0.500 χ^2/NDF:191.9/4

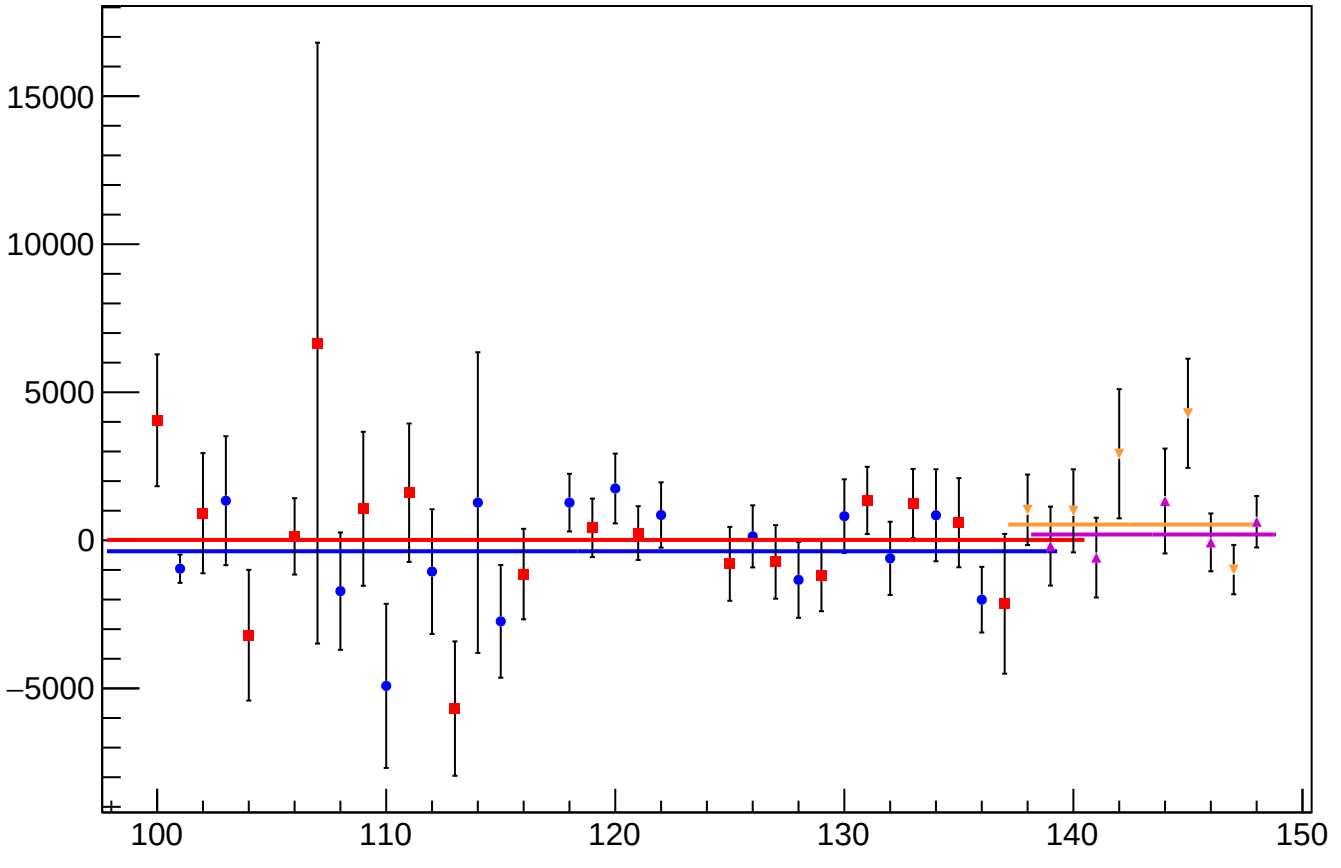
Left: 1480.103+/-0.368 χ^2/NDF: 340.9/9

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1520.464+/-0.316 χ^2/NDF:131596.5/20

Out: 1569.227+/-0.336 χ^2/NDF:253628.9/22

All: 1543.348+/-0.230 χ^2/NDF: 396378.0/43



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 533.741+/-562.562 χ^2/NDF:9.0/4

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 196.934+/-512.422 χ^2/NDF:1.2/4

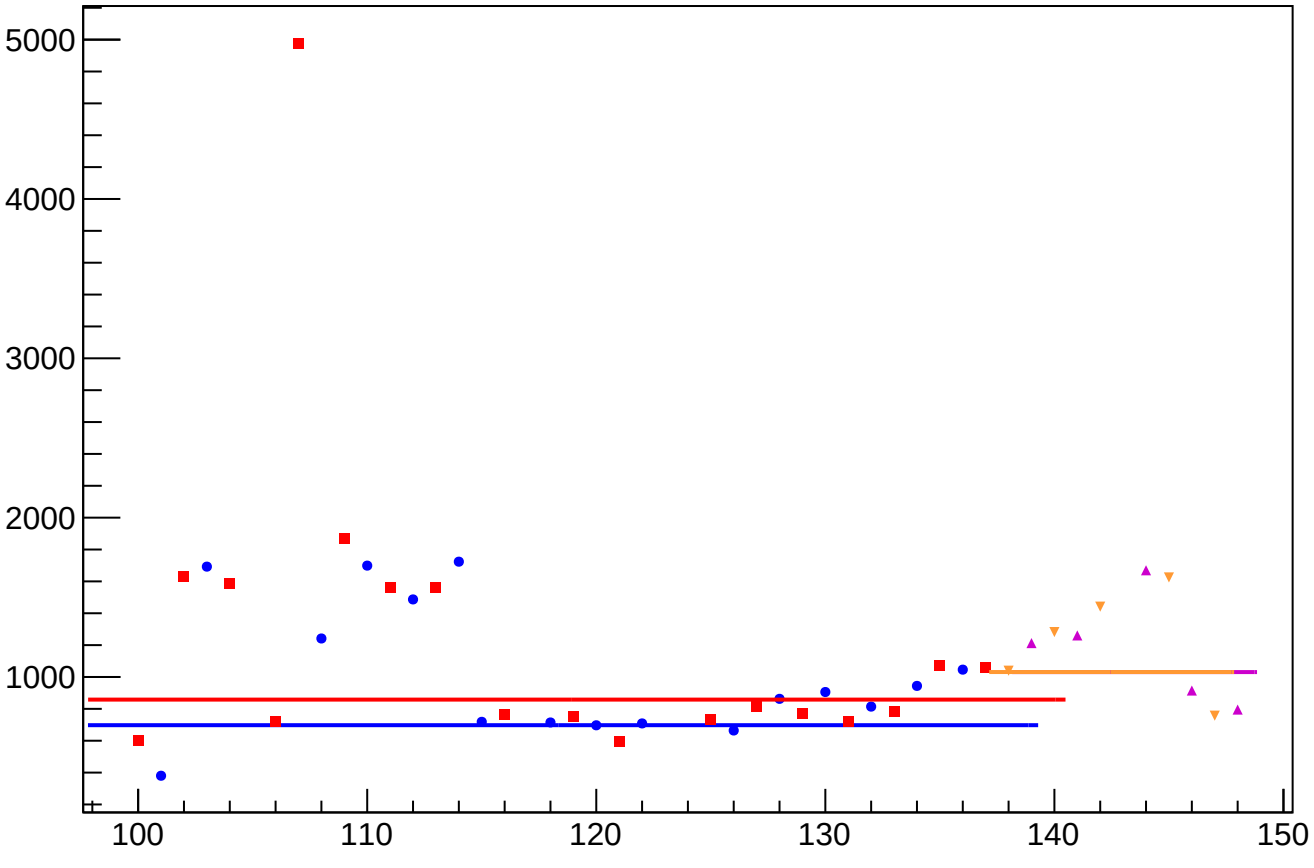
Left: 349.662+/-378.826 χ^2/NDF: 10.3/9

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -233.943+/-250.119 χ^2/NDF:21.0/20

Out: 153.796+/-291.966 χ^2/NDF:28.7/22

All: -69.828+/-189.949 χ^2/NDF: 50.6/43



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1031.108+/-0.398 χ^2/NDF:558343.8/4

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1030.776+/-0.362 χ^2/NDF:530806.2/4

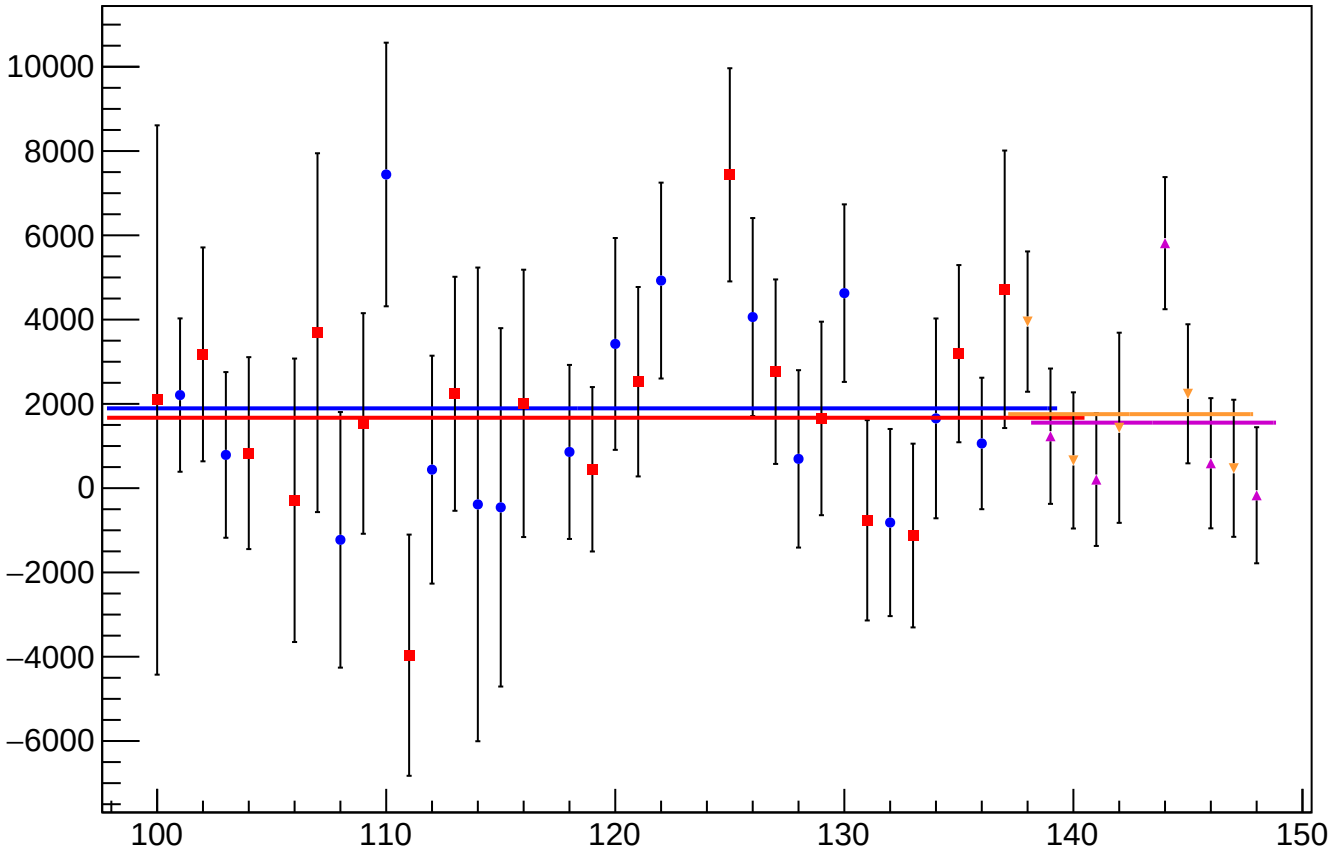
Left: 1030.927+/-0.268 χ^2/NDF: 1089150.4/9

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 776.916+/-0.177 χ^2/NDF:3610801.3/20

Out: 904.697+/-0.206 χ^2/NDF:2578722.4/22

All: 831.001+/-0.134 χ^2/NDF: 6410463.8/43



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1756.198+/-770.267 χ^2/NDF:2.9/4

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1554.425+/-707.086 χ^2/NDF:9.7/4

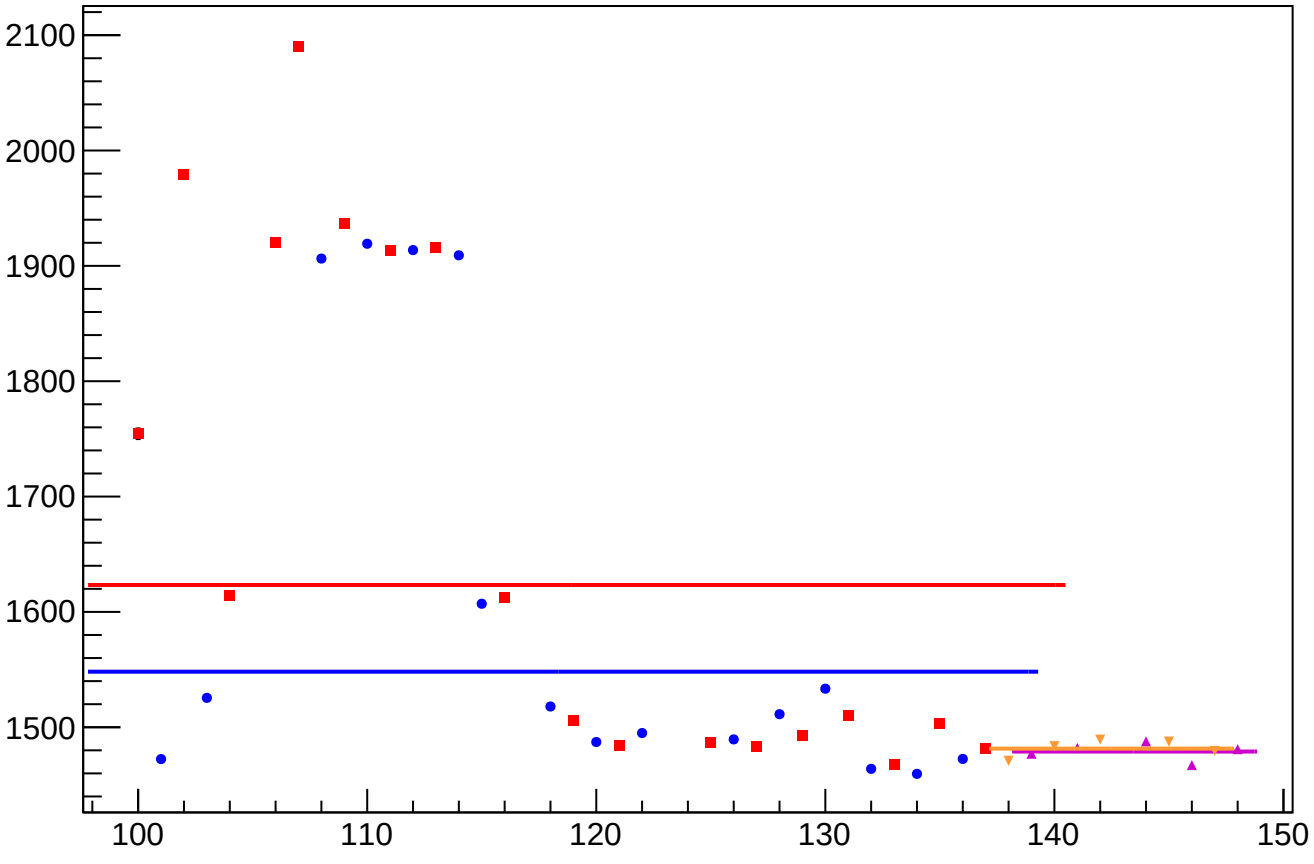
Left: 1646.698+/-520.892 χ^2/NDF: 12.7/9

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1758.188+/-447.339 χ^2/NDF:22.1/20

Out: 1703.453+/-475.707 χ^2/NDF:18.0/22

All: 1732.501+/-325.884 χ^2/NDF: 40.1/43



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.480+/-0.545 χ^2/NDF:137.2/4

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.942+/-0.500 χ^2/NDF:191.9/4

Left: 1480.103+/-0.368 χ^2/NDF: 340.9/9

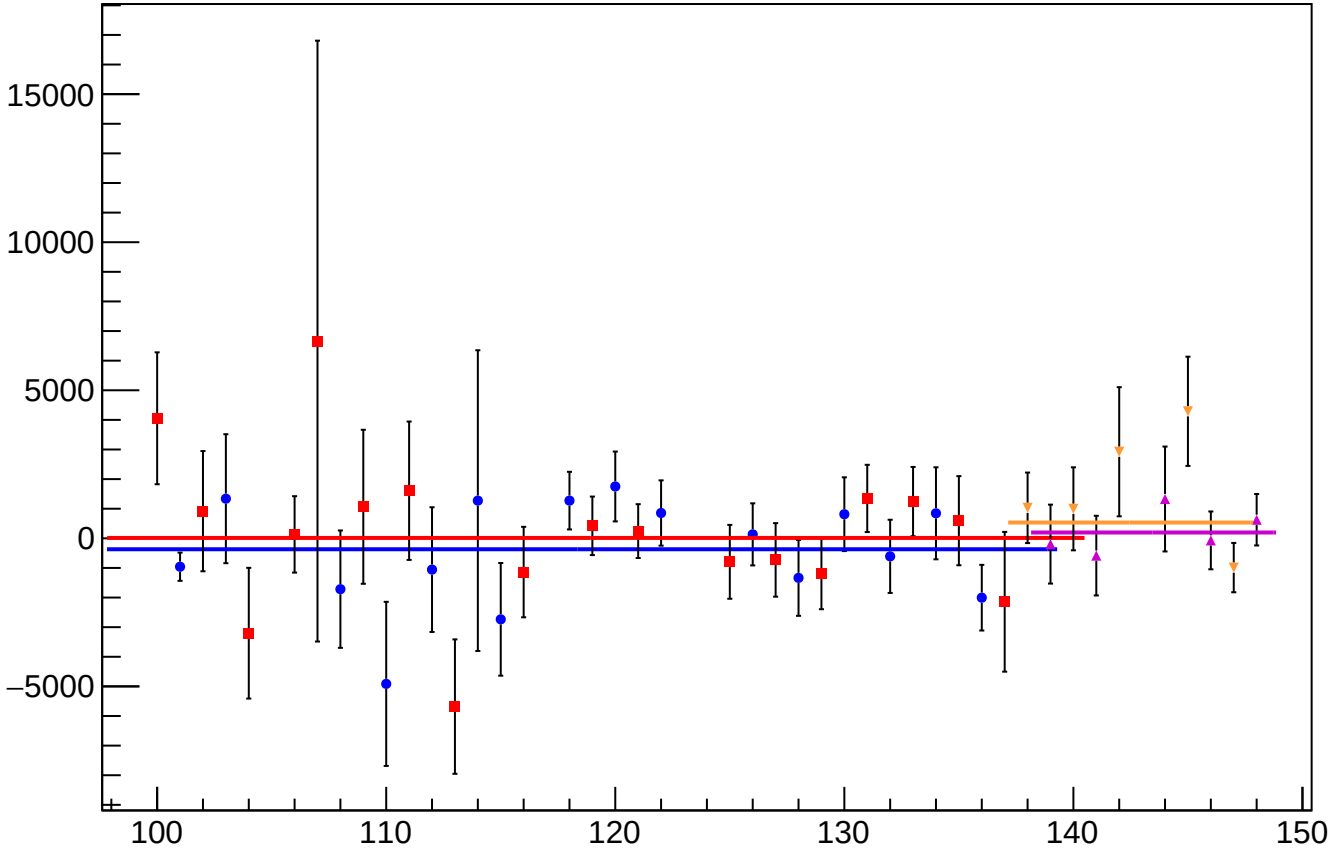
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1520.464+/-0.316 χ^2/NDF:131596.5/20

Out: 1569.227+/-0.336 χ^2/NDF:253628.6/22

All: 1543.348+/-0.230 χ^2/NDF: 396377.7/43

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: 533.739+/-562.563 χ^2/NDF:9.0/4

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 196.934+/-512.423 χ^2/NDF:1.2/4

Left: 349.661+/-378.826 χ^2/NDF: 10.3/9

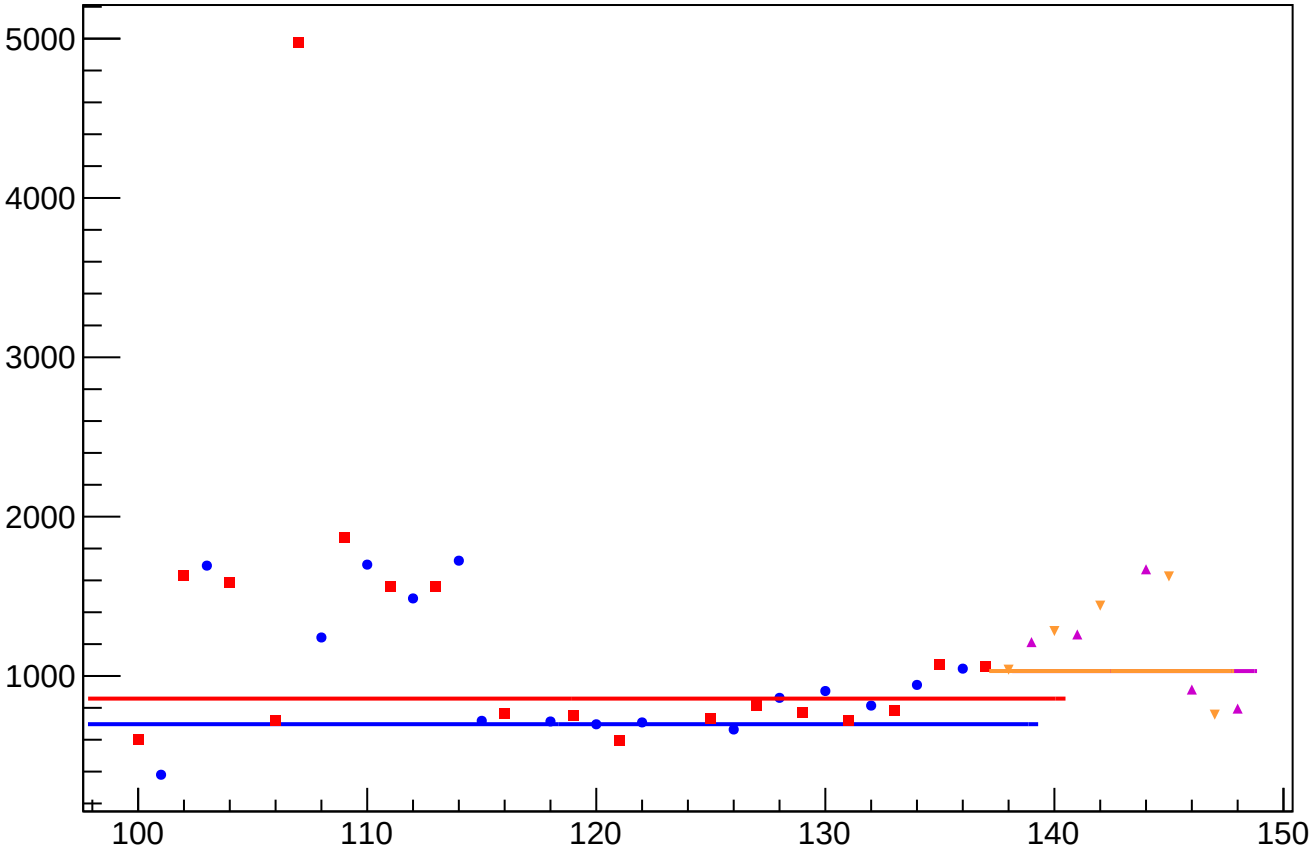
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -233.942+/-250.119 χ^2/NDF:21.0/20

Out: 153.796+/-291.966 χ^2/NDF:28.7/22

All: -69.828+/-189.949 χ^2/NDF: 50.6/43

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: 1031.110+/-0.398 χ^2/NDF:558343.2/4

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1030.778+/-0.362 χ^2/NDF:530805.0/4

Left: 1030.929+/-0.268 χ^2/NDF: 1089148.7/9

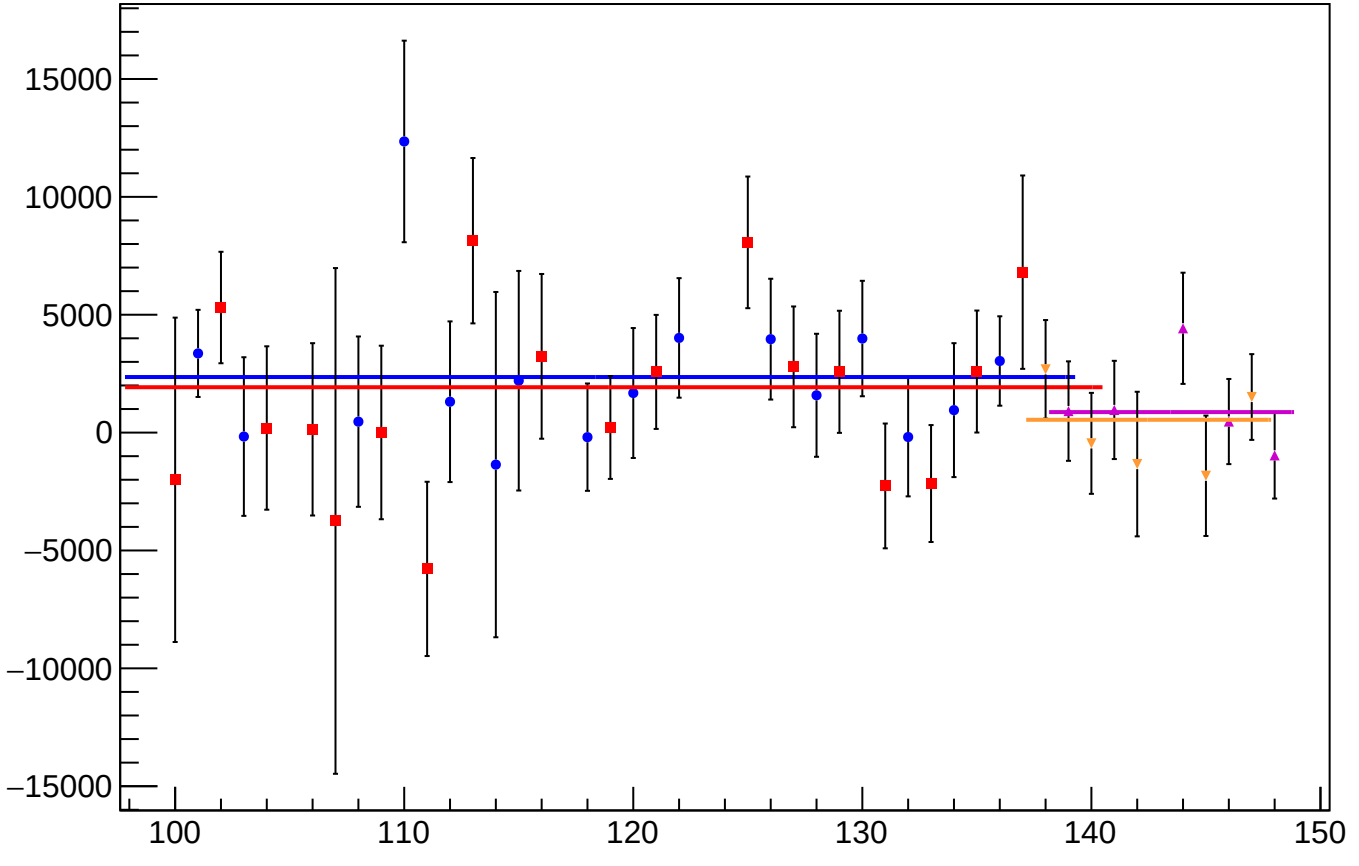
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 776.917+/-0.177 χ^2/NDF:3610798.2/20

Out: 904.696+/-0.206 χ^2/NDF:2578736.4/22

All: 831.001+/-0.134 χ^2/NDF: 6410470.8/43

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 543.610+/-995.607 χ^2/NDF:2.8/4

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 869.834+/-898.323 χ^2/NDF:3.3/4

Left: 723.435+/-666.959 χ^2/NDF: 6.2/9

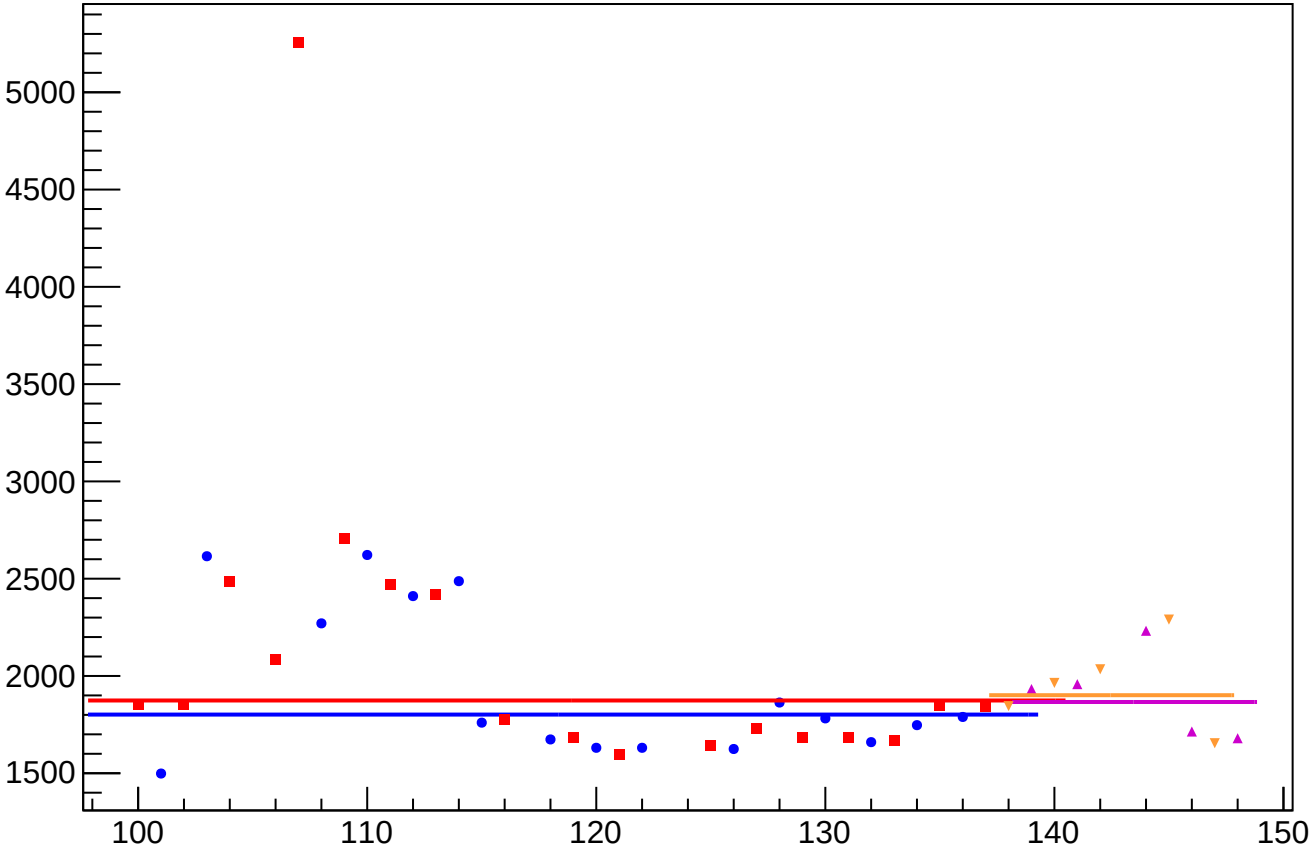
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1816.338+/-541.646 χ^2/NDF:16.1/20

Out: 1461.972+/-576.340 χ^2/NDF:27.5/22

All: 1650.141+/-394.697 χ^2/NDF: 43.8/43

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1901.133+/-0.704 χ^2/NDF:90133.3/4

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1866.194+/-0.635 χ^2/NDF:88852.3/4

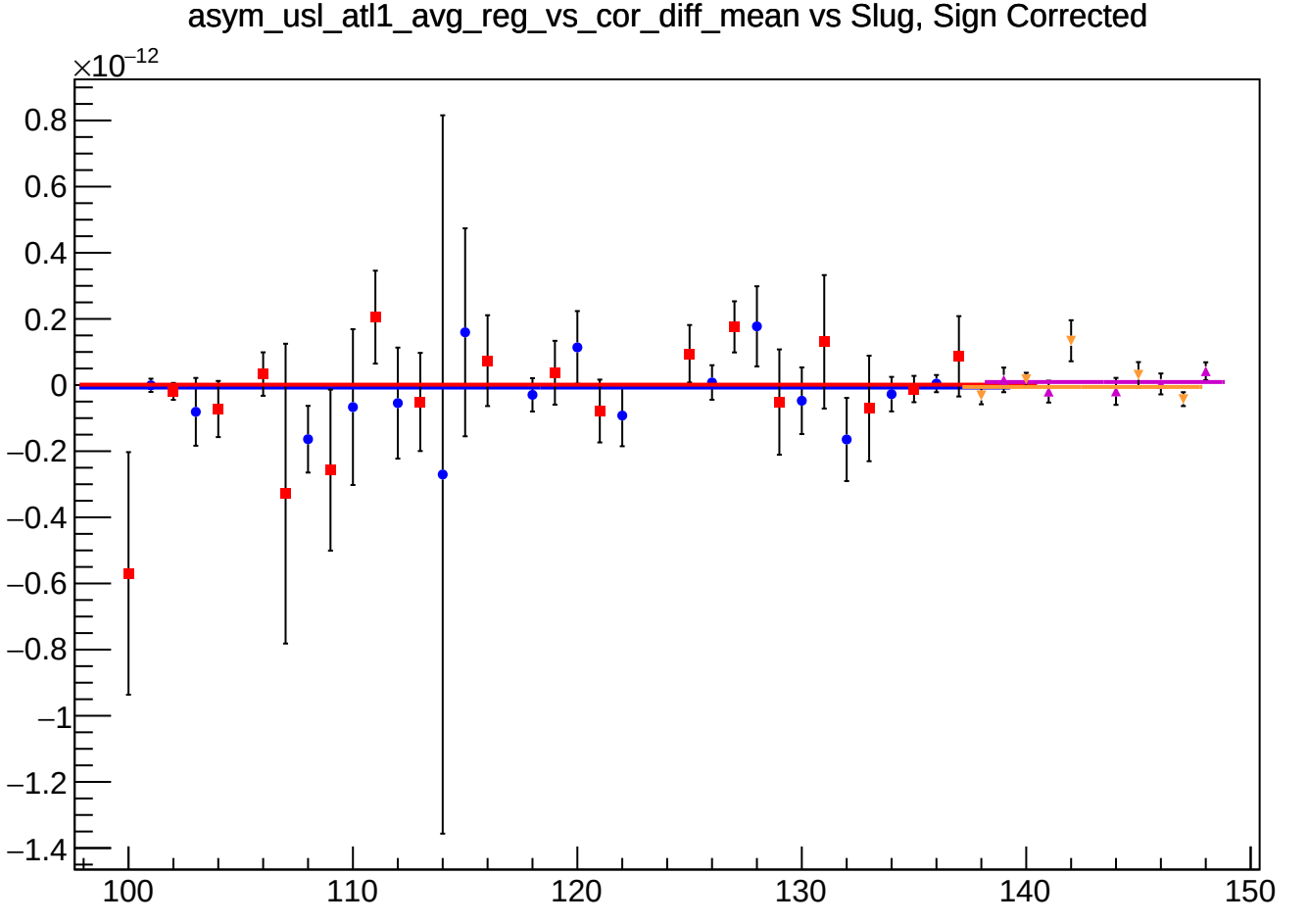
Left: 1881.873+/-0.472 χ^2/NDF: 180343.2/9

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1825.038+/-0.383 χ^2/NDF:496150.6/20

Out: 1883.077+/-0.408 χ^2/NDF:661031.6/22

All: 1852.258+/-0.279 χ^2/NDF: 1167952.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

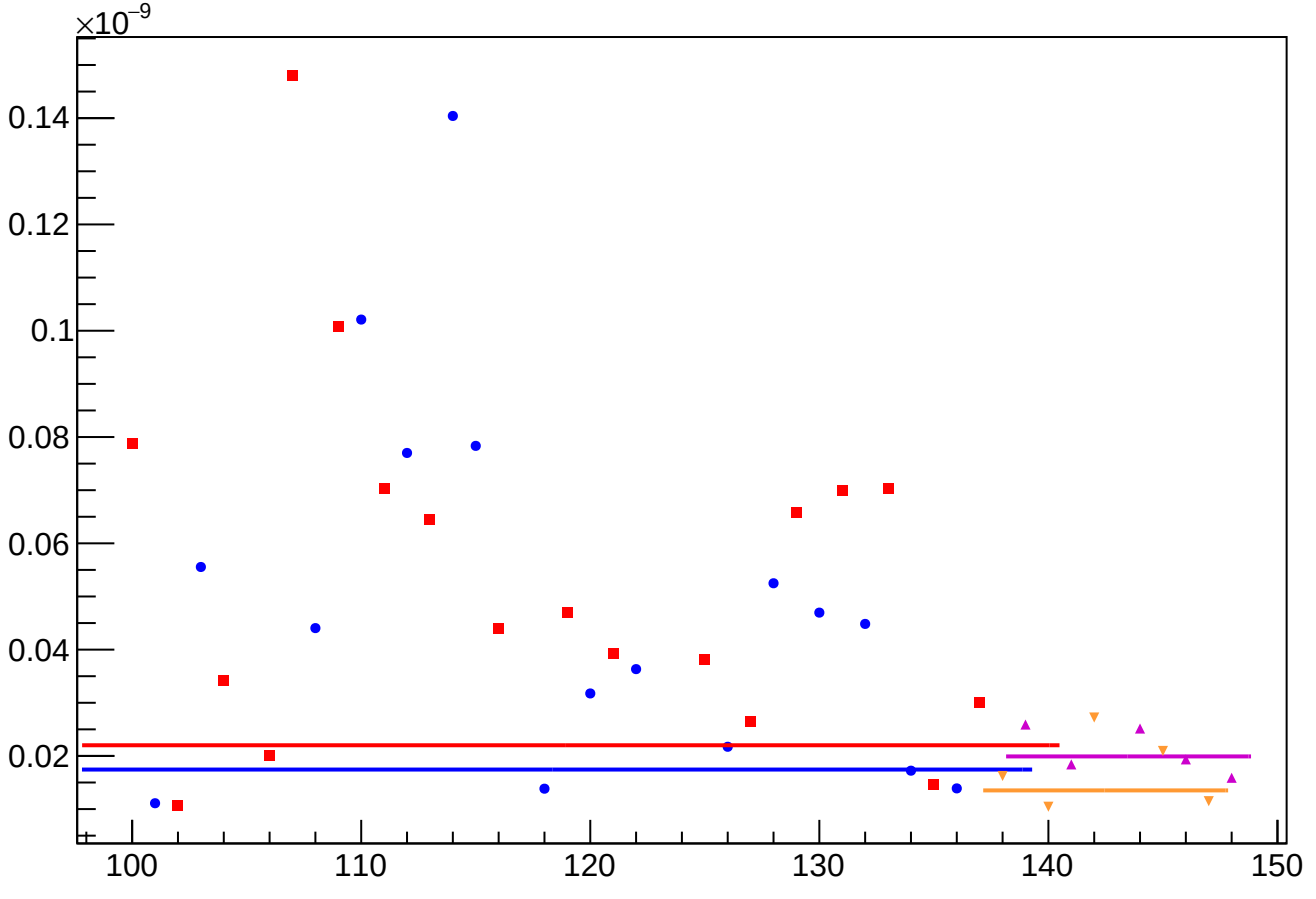
Left: 0.000+/-0.000 χ^2/NDF: 14.7/9

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:13.8/20

Out: -0.000+/-0.000 χ^2/NDF:28.1/22

All: -0.000+/-0.000 χ^2/NDF: 41.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:258509.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:133994.6/4

Left: 0.000+/-0.000 χ^2/NDF: 621323.5/9

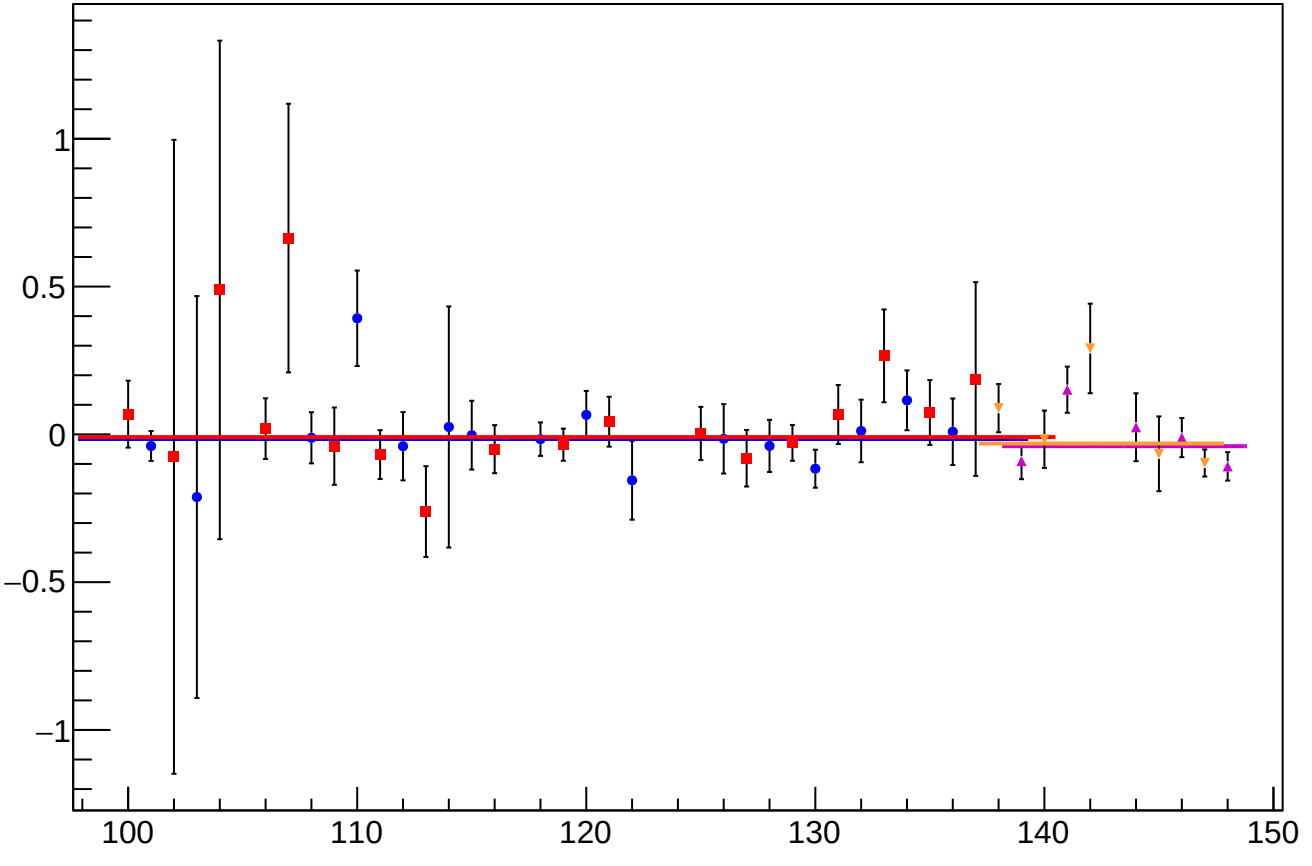
Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2005458.3/20

Out: 0.000+/-0.000 χ^2/NDF:2688954.4/22

All: 0.000+/-0.000 χ^2/NDF: 4748300.2/43

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.040+/-0.029 χ^2/NDF:9.2/4

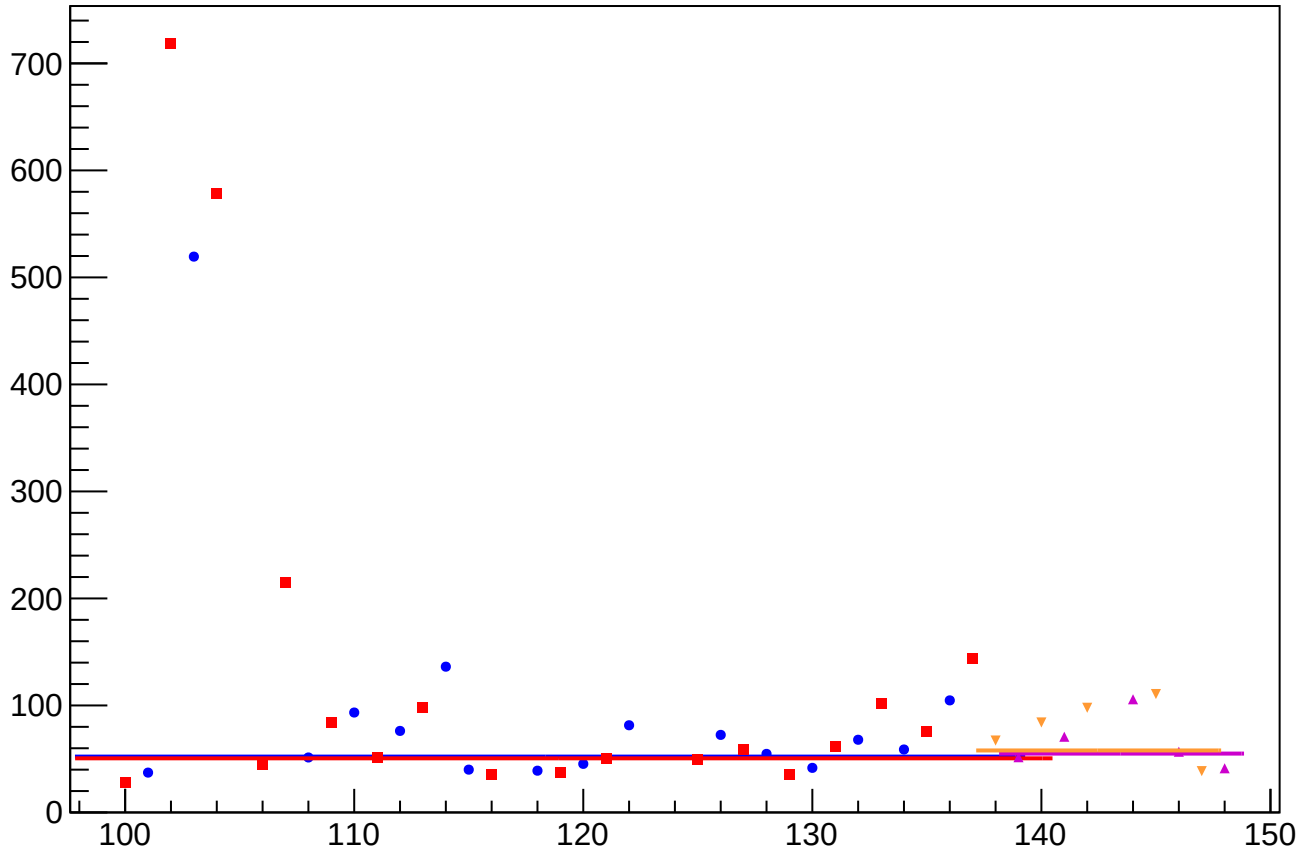
Left: -0.036+/-0.022 χ^2/NDF: 18.1/9

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.021+/-0.013 χ^2/NDF: 44.5/43



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 57.933+/-0.024 χ^2/NDF:1014272.9/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

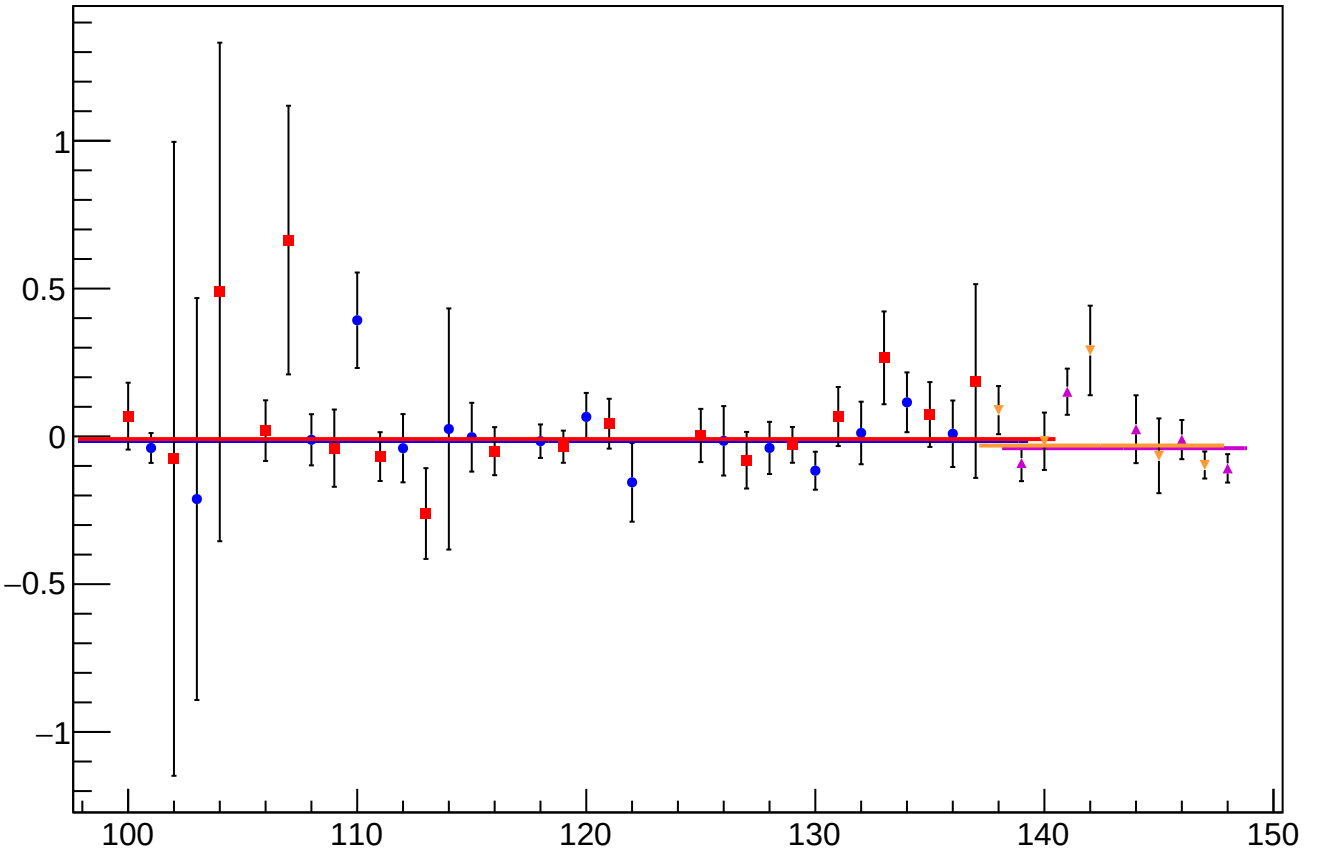
Left: 56.234+/-0.016 χ^2/NDF: 1665661.0/9

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 53.246+/-0.013 χ^2/NDF:2921583.3/20

Out: 52.924+/-0.014 χ^2/NDF:4127502.3/22

All: 53.099+/-0.009 χ^2/NDF: 7049380.8/43



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.040+/-0.029 χ^2/NDF:9.2/4

Left: -0.036+/-0.022 χ^2/NDF: 18.1/9

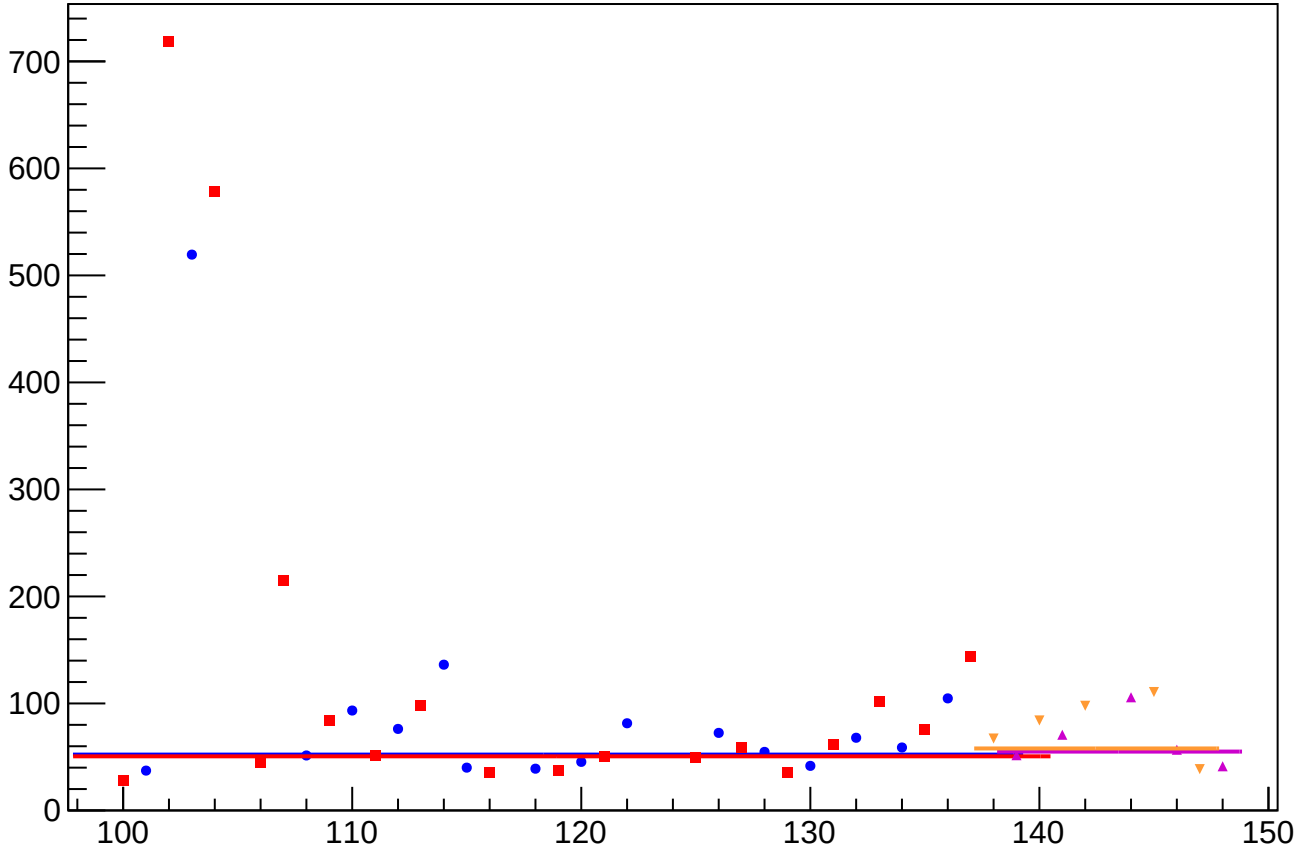
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.021+/-0.013 χ^2/NDF: 44.5/43

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 57.933+/-0.024 χ^2/NDF:1014272.9/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

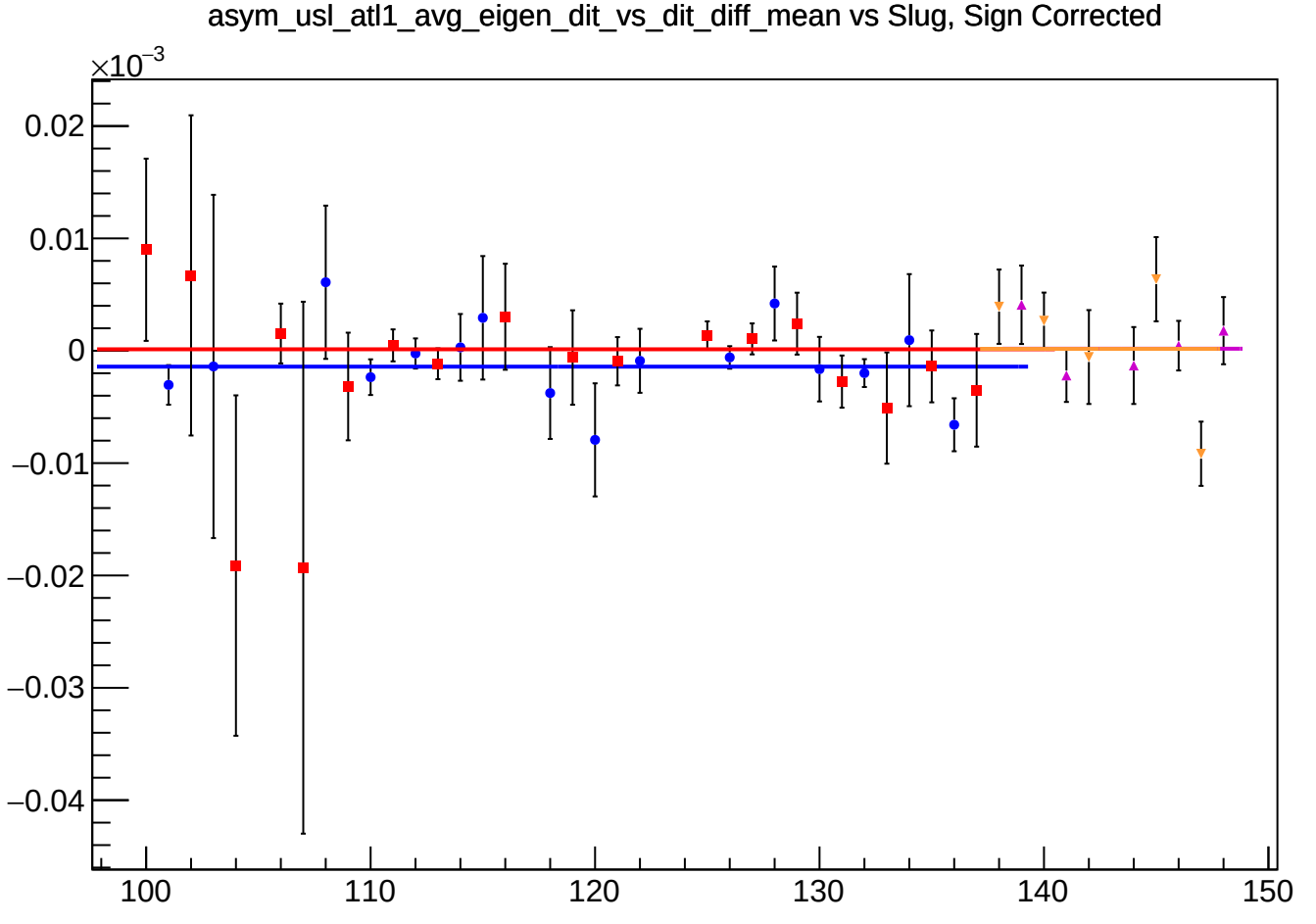
Left: 56.234+/-0.016 χ^2/NDF: 1665661.0/9

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 53.246+/-0.013 χ^2/NDF:2921583.3/20

Out: 52.924+/-0.014 χ^2/NDF:4127502.3/22

All: 53.099+/-0.009 χ^2/NDF: 7049380.8/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

Left: 0.000+/-0.000 χ^2/NDF: 18.5/9

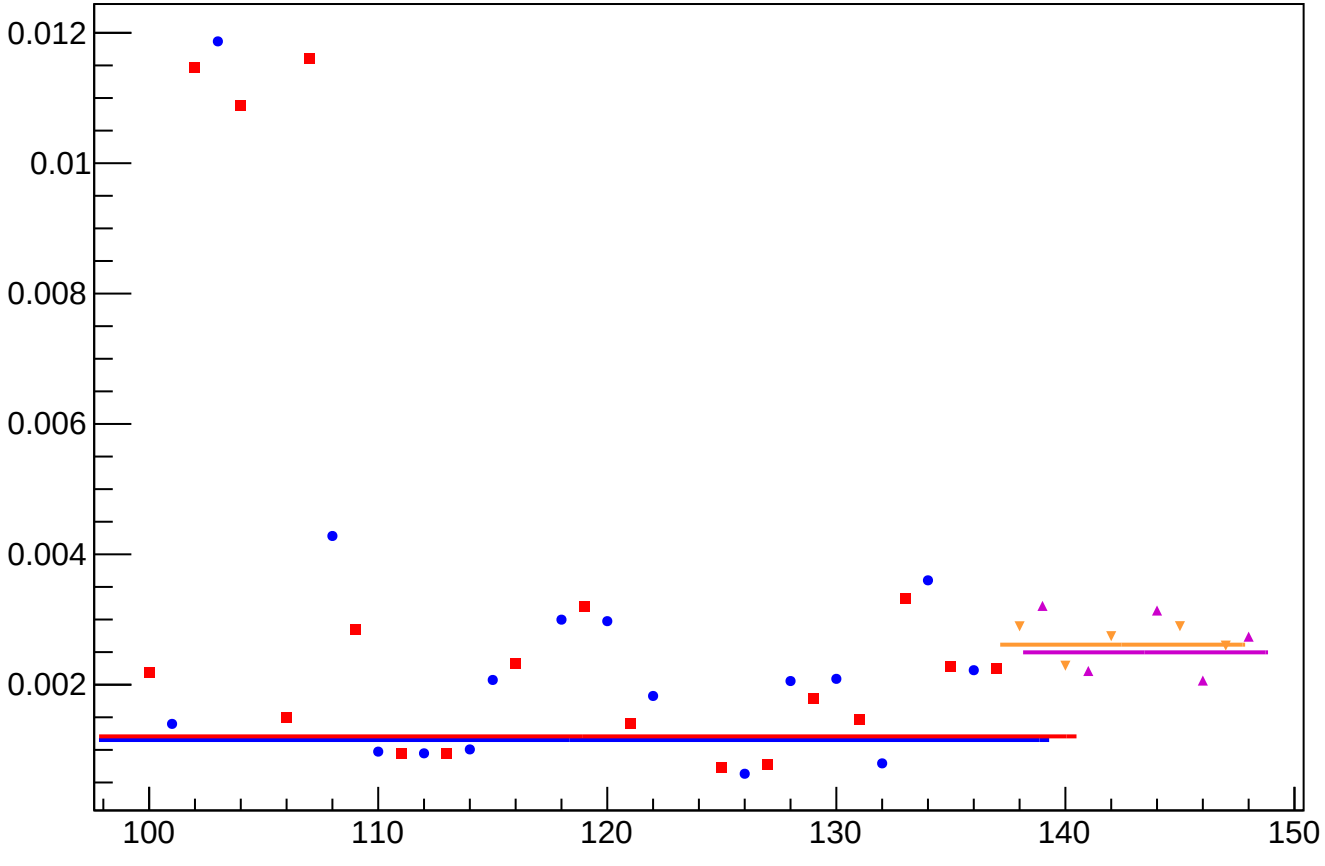
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:19.2/20

Out: 0.000+/-0.000 χ^2/NDF:27.3/22

All: -0.000+/-0.000 χ^2/NDF: 49.9/43

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:61079.8/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:272812.5/4

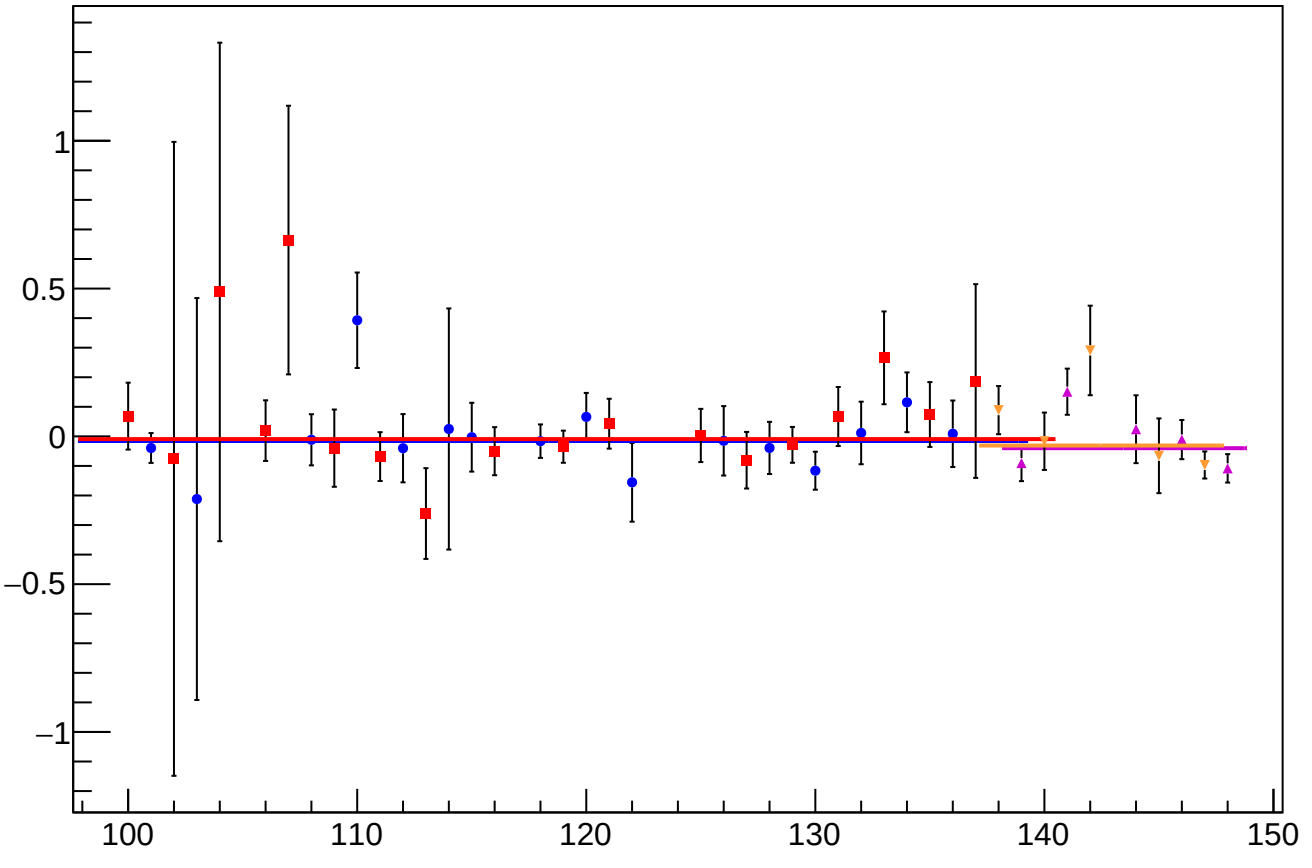
Left: 0.003+/-0.000 χ^2/NDF: 341839.9/9

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6501453.4/20

Out: 0.001+/-0.000 χ^2/NDF:6301476.1/22

All: 0.001+/-0.000 χ^2/NDF: 12810187.2/43



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.040+/-0.029 χ^2/NDF:9.2/4

Left: -0.036+/-0.022 χ^2/NDF: 18.1/9

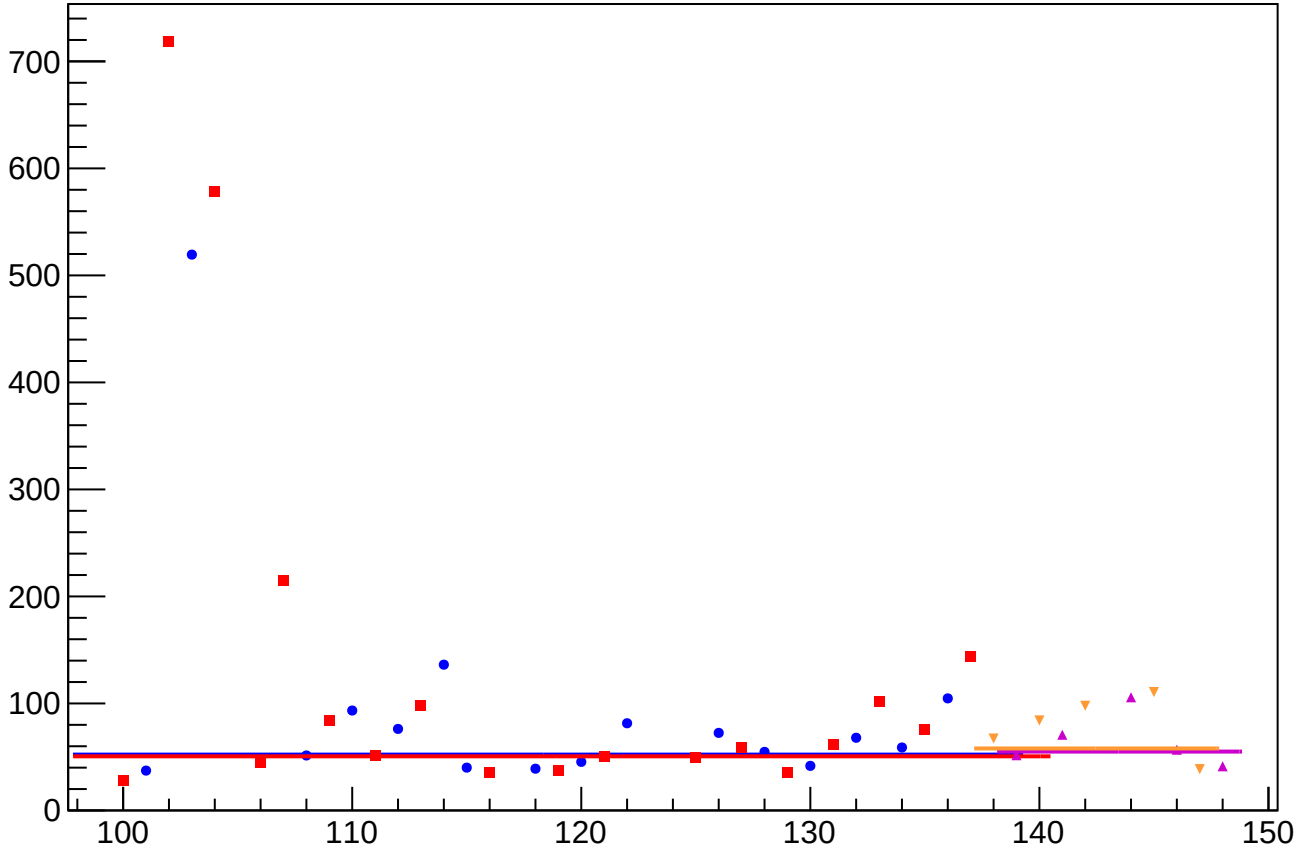
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.021+/-0.013 χ^2/NDF: 44.5/43

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 57.933+/-0.024 χ^2/NDF:1014236.8/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

Left: 56.234+/-0.016 χ^2/NDF: 1665615.3/9

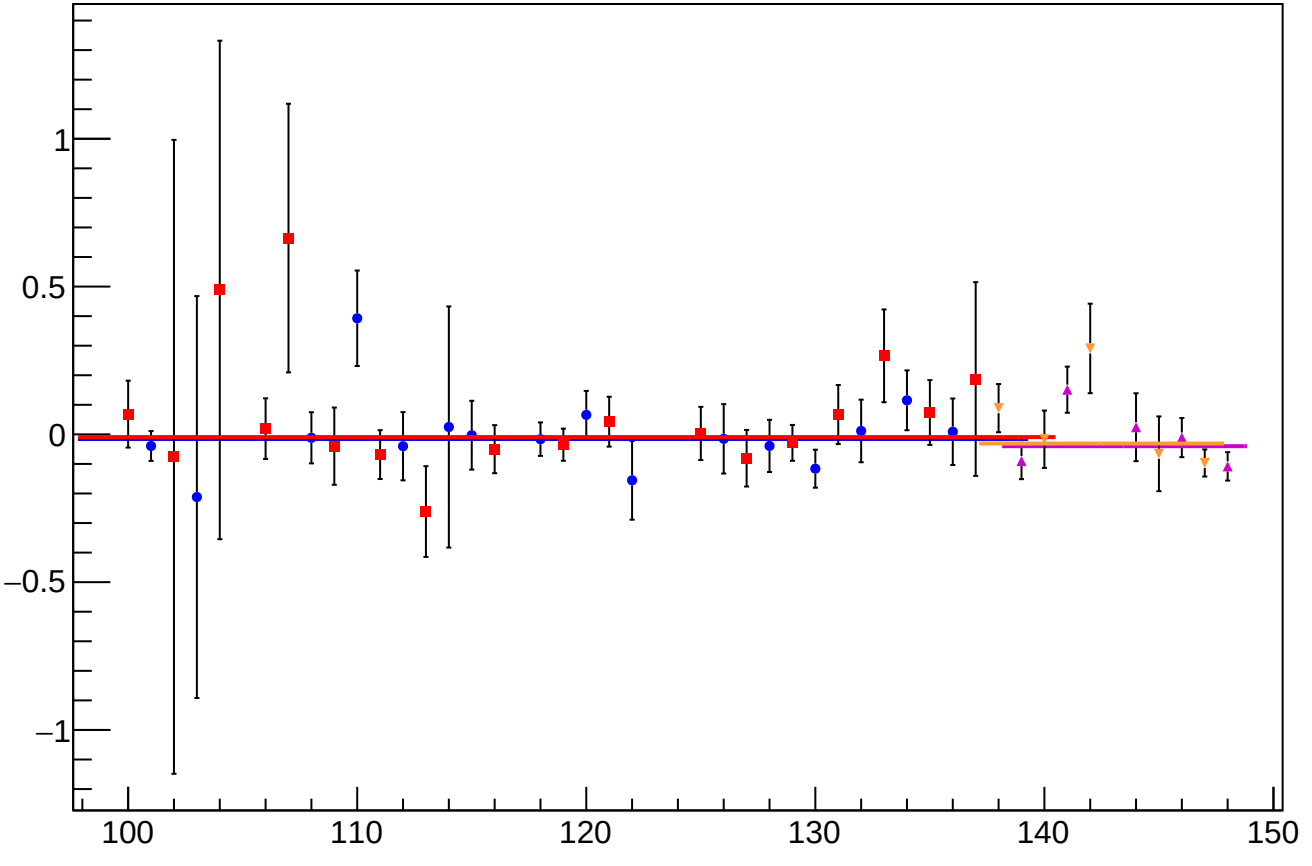
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.246+/-0.013 χ^2/NDF:2921569.2/20

Out: 52.924+/-0.014 χ^2/NDF:4127461.8/22

All: 53.098+/-0.009 χ^2/NDF: 7049326.4/43

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: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.040+/-0.029 χ^2/NDF:9.2/4

Left: -0.036+/-0.022 χ^2/NDF: 18.1/9

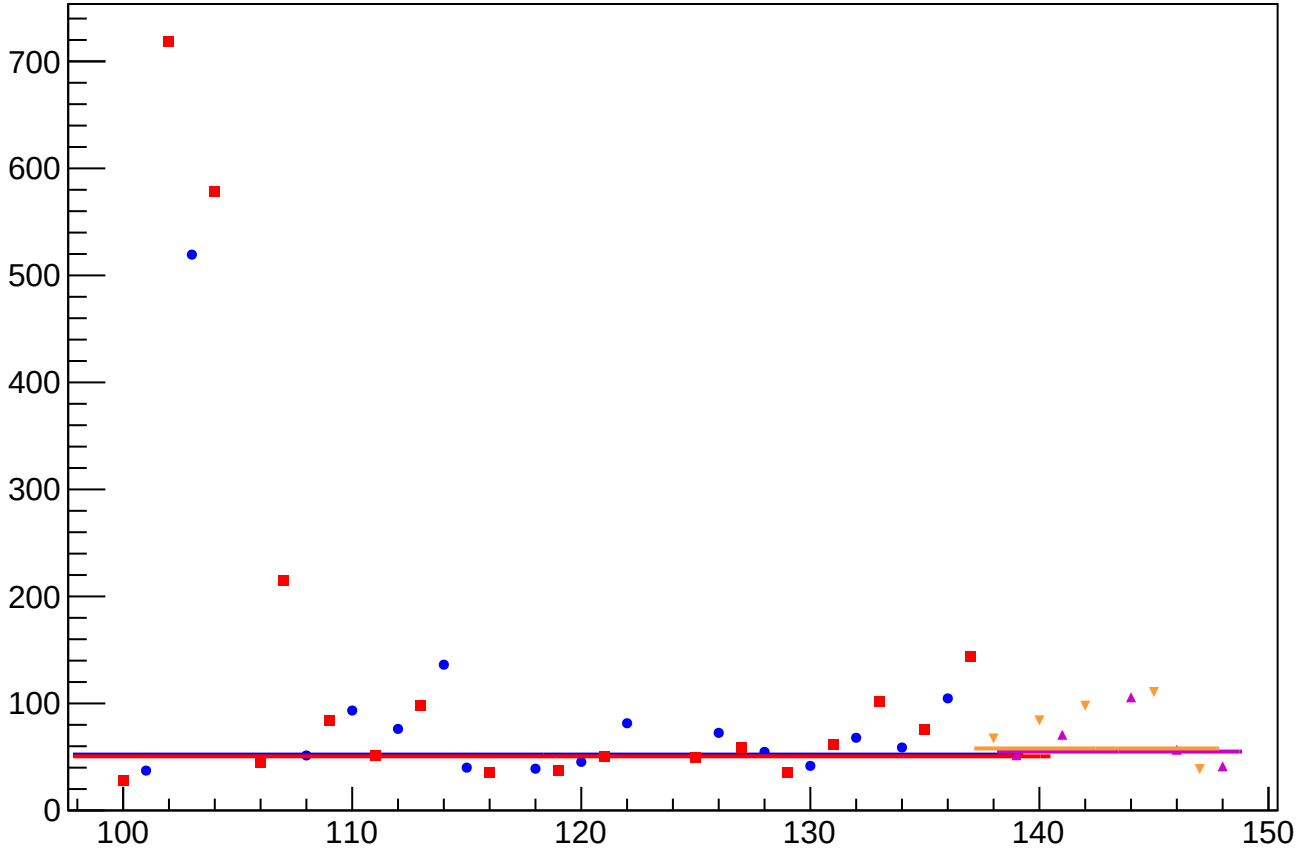
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.021+/-0.013 χ^2/NDF: 44.5/43

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: 57.933+/-0.024 χ^2/NDF:1014236.8/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

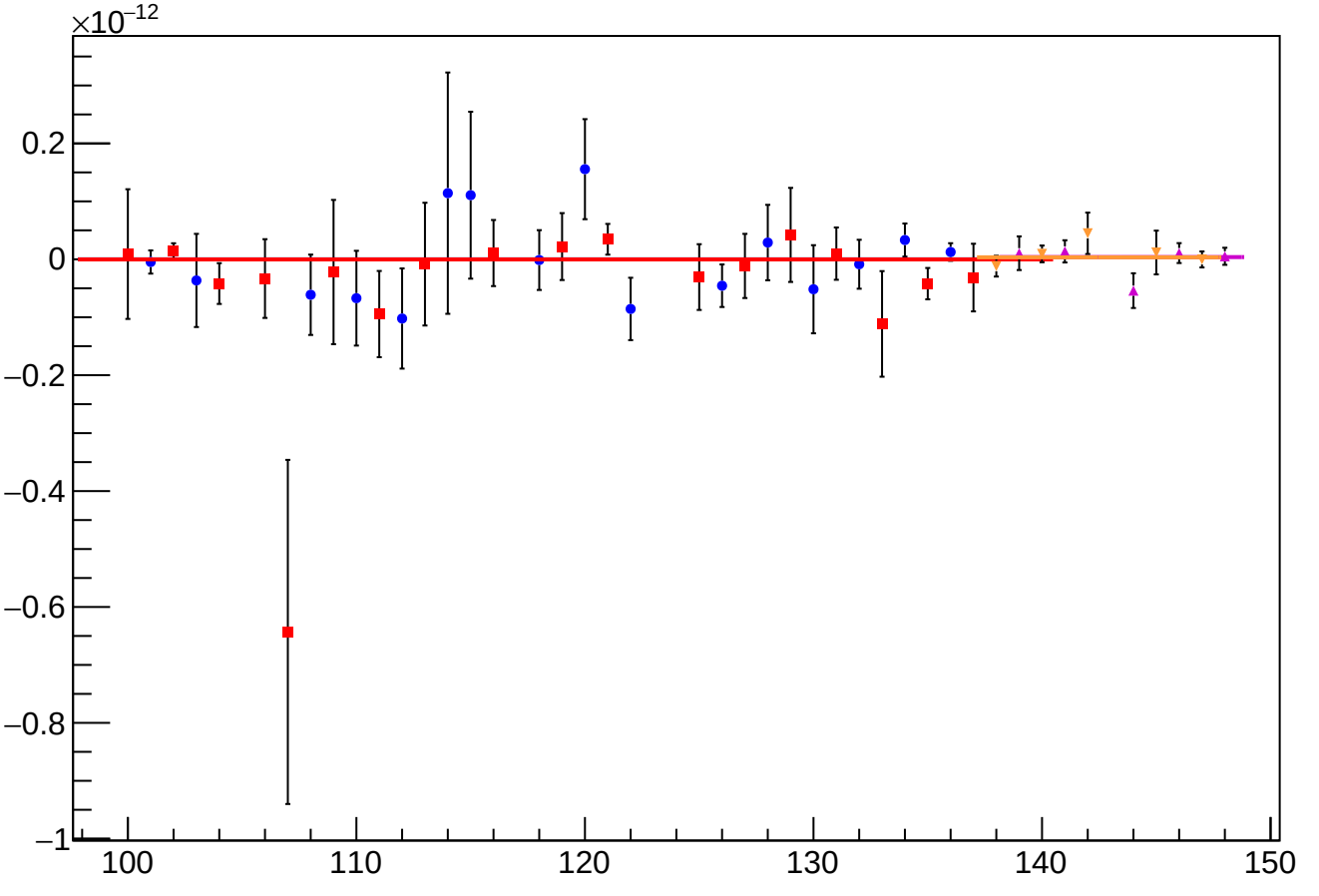
Left: 56.234+/-0.016 χ^2/NDF: 1665615.3/9

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.246+/-0.013 χ^2/NDF:2921569.2/20

Out: 52.924+/-0.014 χ^2/NDF:4127461.8/22

All: 53.098+/-0.009 χ^2/NDF: 7049326.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/4

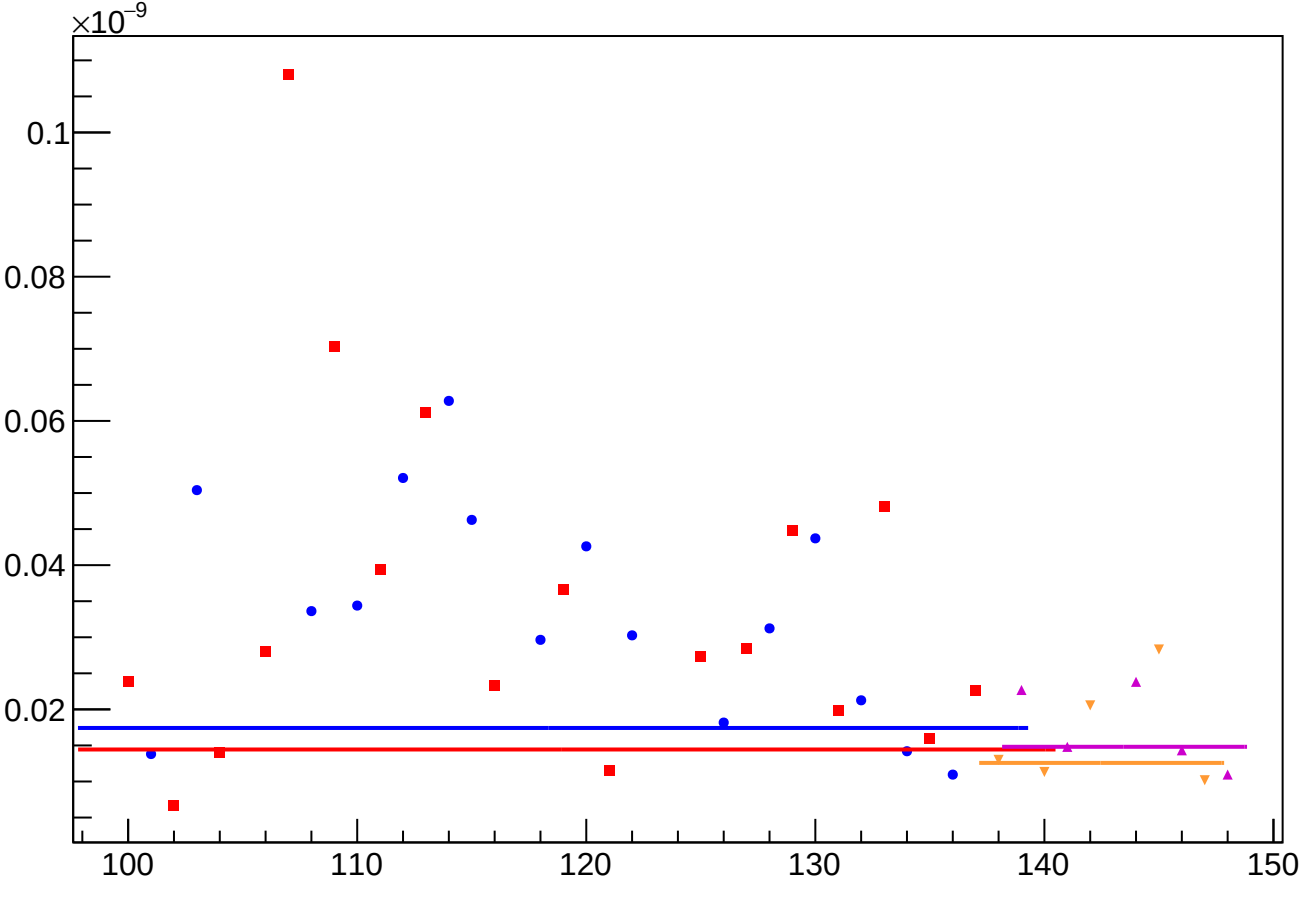
Left: 0.000+/-0.000 χ^2/NDF: 6.6/9

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: 0.000+/-0.000 χ^2/NDF:18.4/20

Out: 0.000+/-0.000 χ^2/NDF:18.5/22

All: 0.000+/-0.000 χ^2/NDF: 36.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:523966.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:465761.5/4

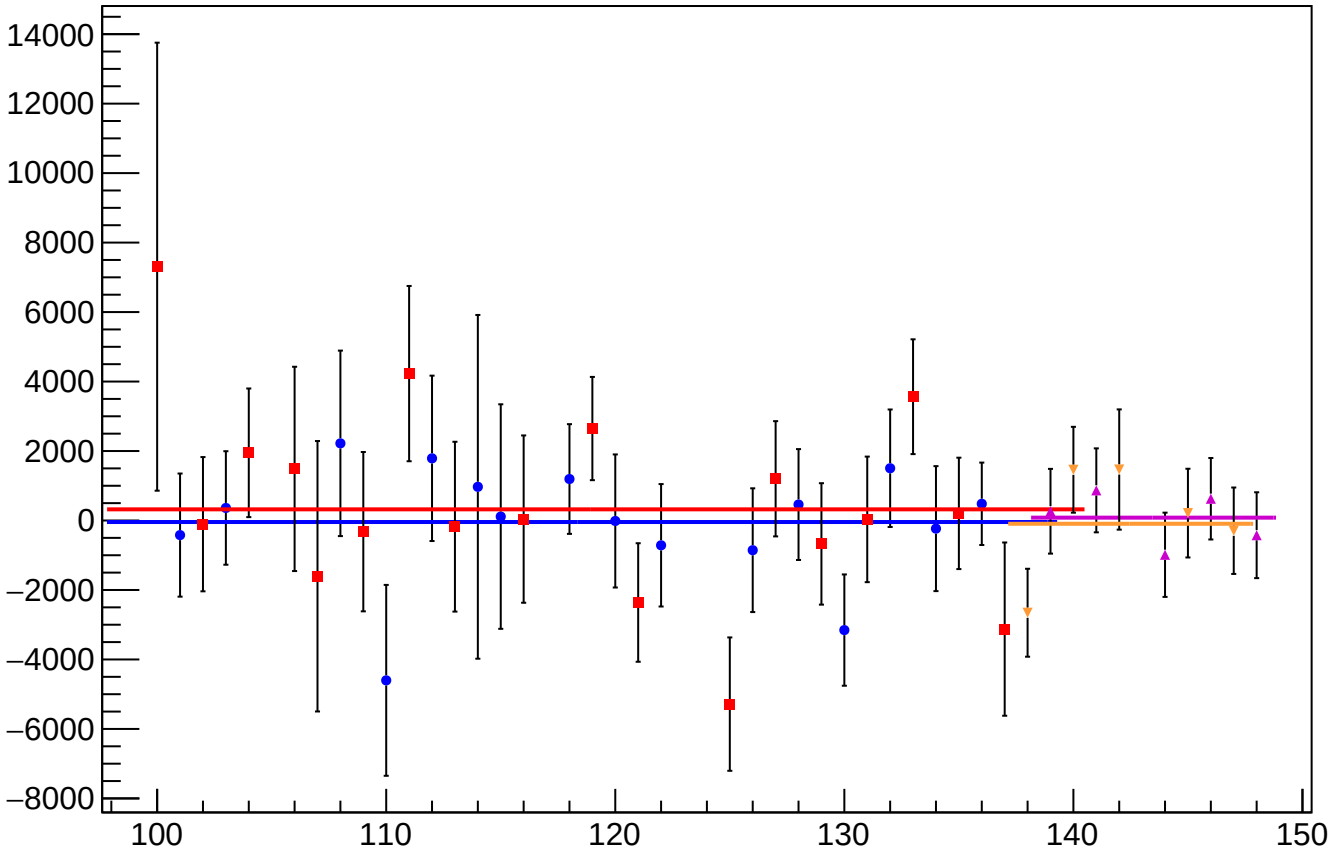
Left: 0.000+/-0.000 χ^2/NDF: 1058401.6/9

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2772897.1/20

Out: 0.000+/-0.000 χ^2/NDF:3831638.1/22

All: 0.000+/-0.000 χ^2/NDF: 6776947.8/43



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -94.064+/-590.024 χ^2/NDF:6.6/4

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 82.184+/-540.860 χ^2/NDF:1.6/4

Left: 1.708+/-398.696 χ^2/NDF: 8.2/9

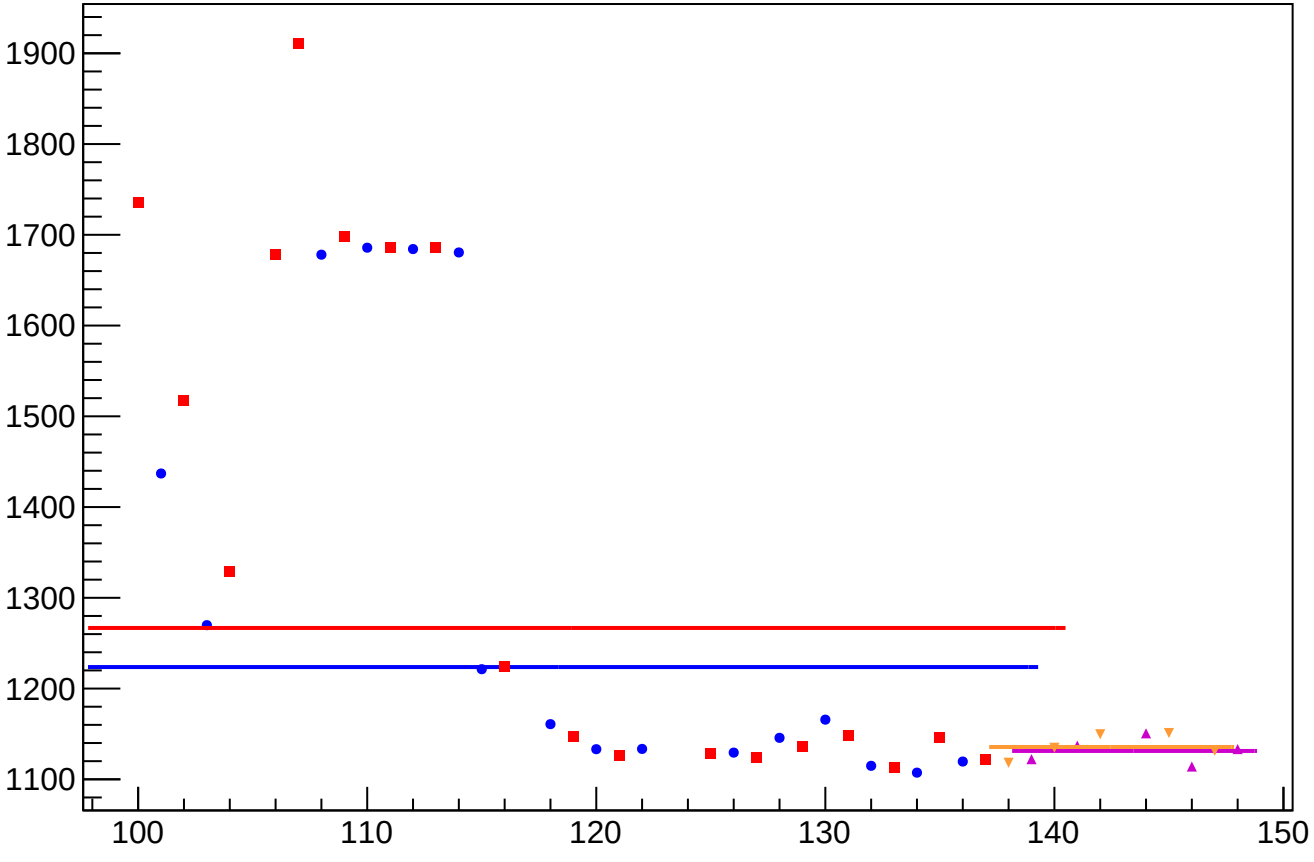
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 9.045+/-350.062 χ^2/NDF:11.7/20

Out: 157.966+/-369.971 χ^2/NDF:31.7/22

All: 79.391+/-254.278 χ^2/NDF: 43.5/43

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

Left: 1133.247+/-0.282 χ^2/NDF: 1987.0/9

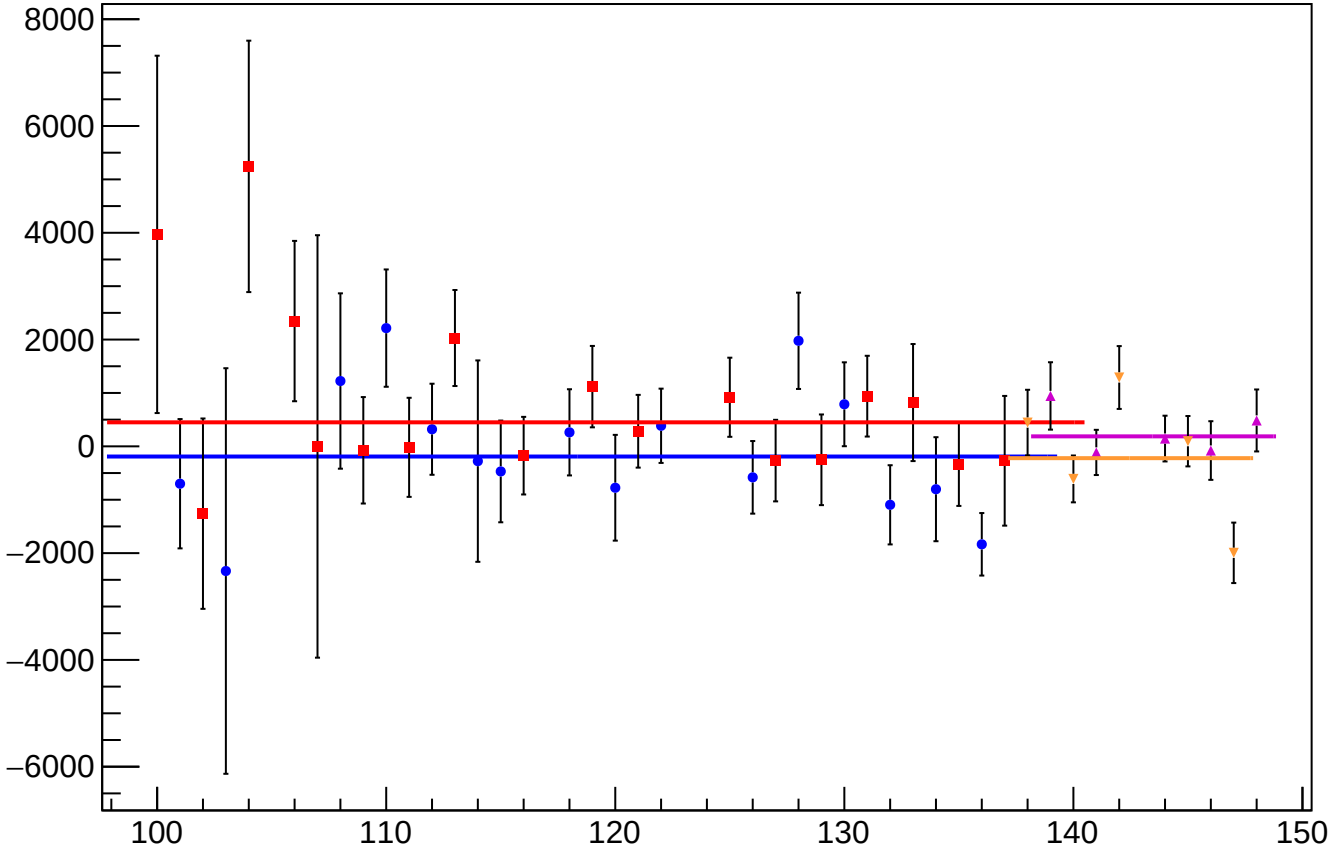
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1184.978+/-0.248 χ^2/NDF:330026.3/20

Out: 1215.208+/-0.262 χ^2/NDF:493644.0/22

All: 1199.258+/-0.180 χ^2/NDF: 830715.9/43

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -221.350+/-233.504 χ^2/NDF:18.8/4

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 187.069+/-224.595 χ^2/NDF:2.5/4

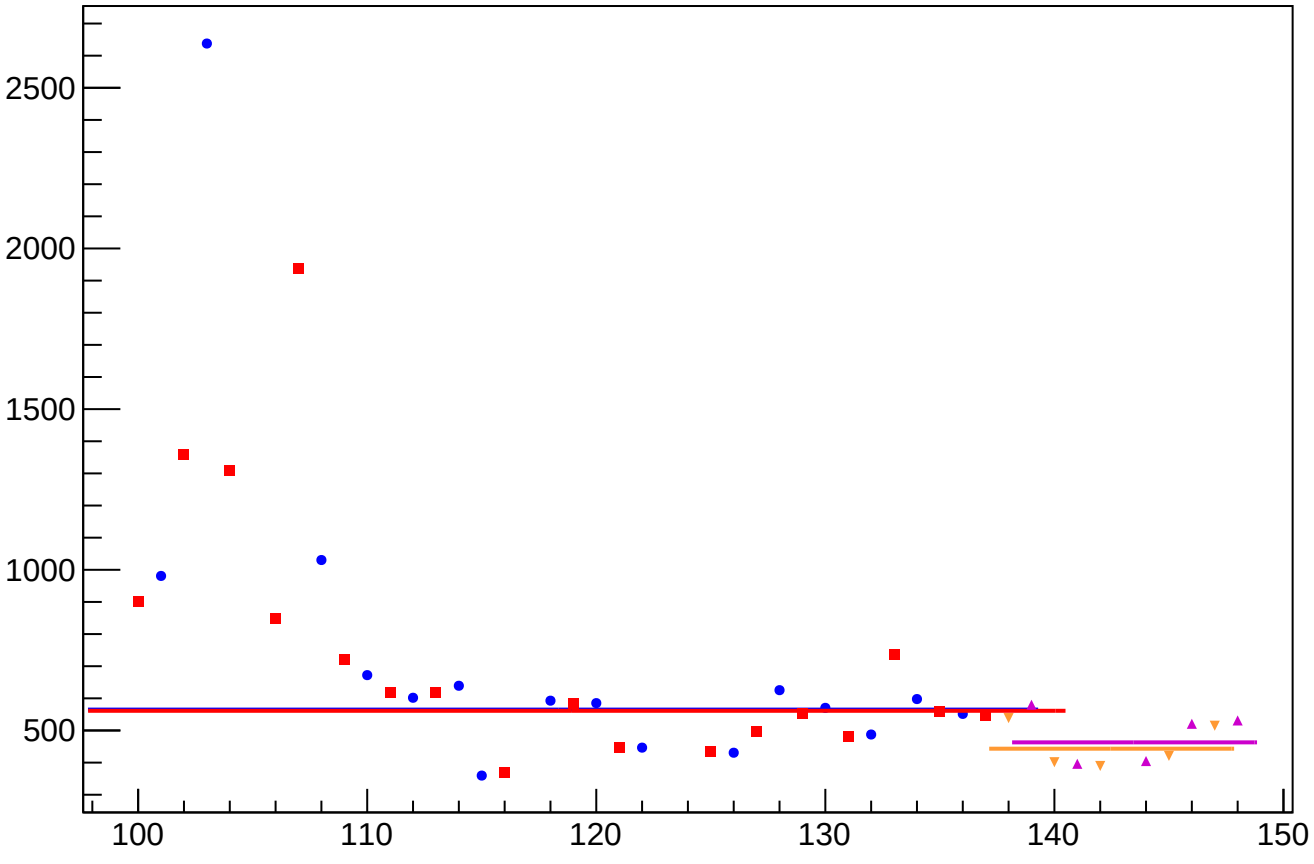
Left: -9.200+/-161.871 χ^2/NDF: 22.8/9

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -3.239+/-158.199 χ^2/NDF:29.1/20

Out: 129.380+/-161.347 χ^2/NDF:39.9/22

All: 61.764+/-112.960 χ^2/NDF: 69.4/43



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 443.294+/-0.165 χ^2/NDF:119422.4/4

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 462.992+/-0.159 χ^2/NDF:205057.3/4

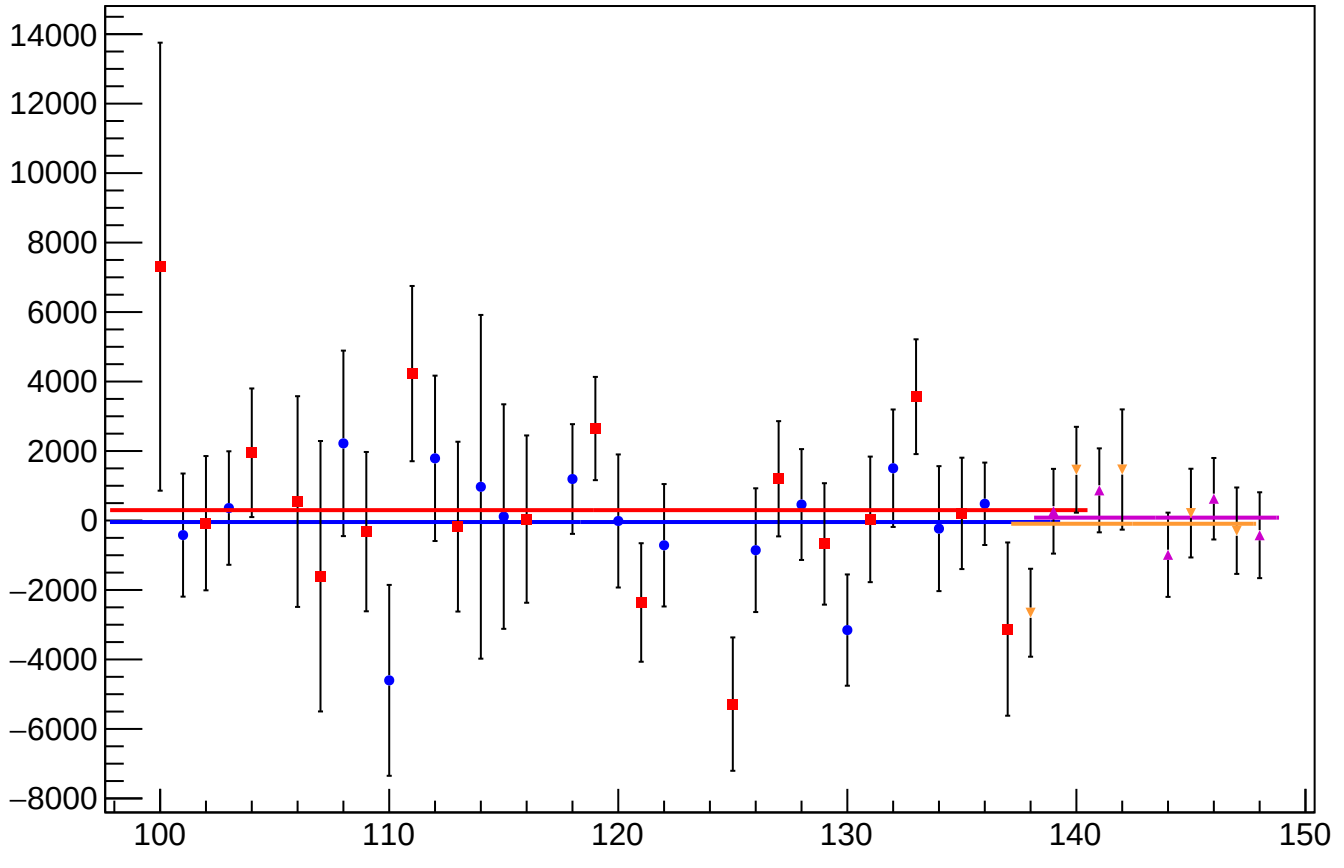
Left: 453.526+/-0.114 χ^2/NDF: 331872.1/9

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 514.368+/-0.112 χ^2/NDF:1697246.4/20

Out: 504.928+/-0.114 χ^2/NDF:1738318.5/22

All: 509.741+/-0.080 χ^2/NDF: 3439055.9/43



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -93.927+/-590.024 χ^2/NDF:6.6/4

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 82.061+/-540.860 χ^2/NDF:1.6/4

Left: 1.703+/-398.696 χ^2/NDF: 8.2/9

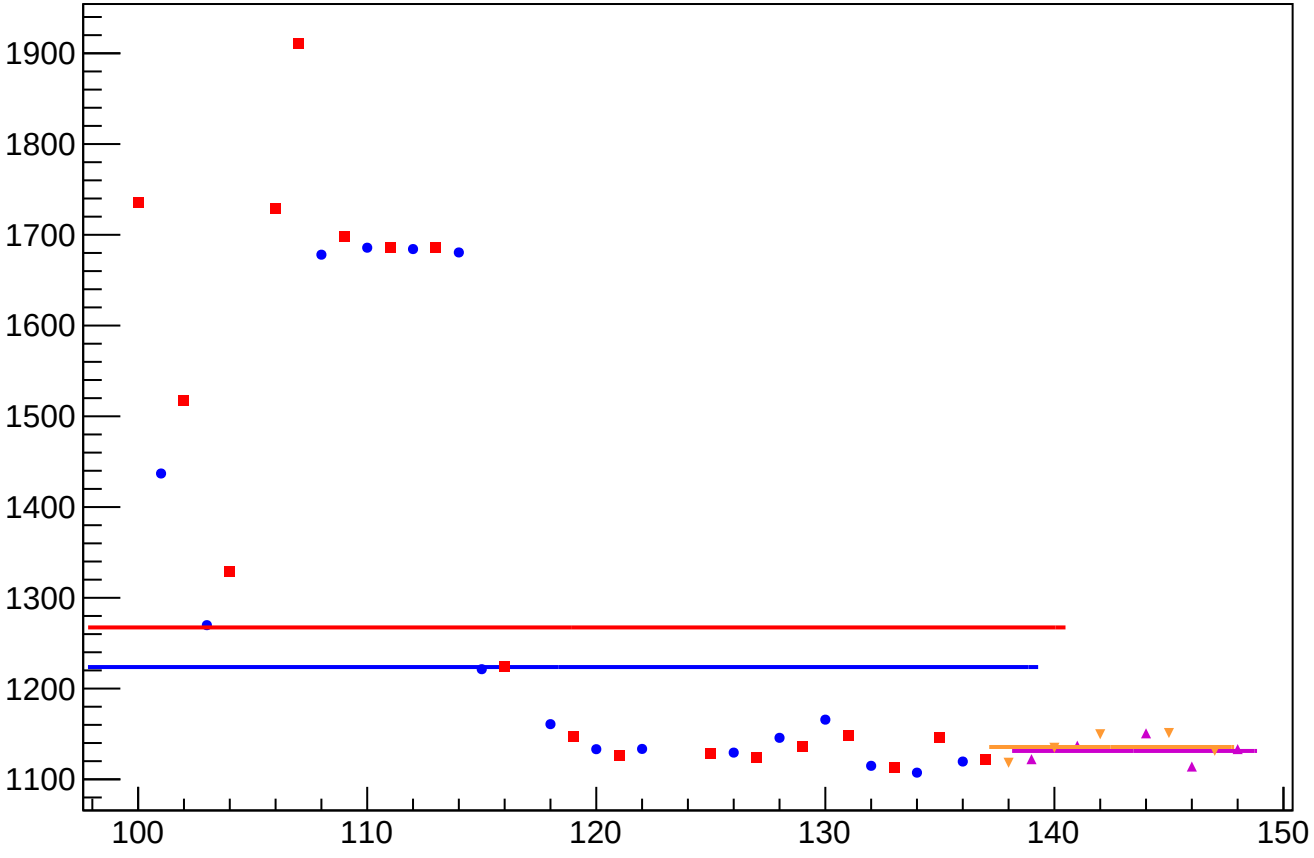
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 8.853+/-350.062 χ^2/NDF:11.7/20

Out: 143.879+/-370.148 χ^2/NDF:31.5/22

All: 72.603+/-254.336 χ^2/NDF: 43.3/43

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

Left: 1133.247+/-0.282 χ^2/NDF: 1987.0/9

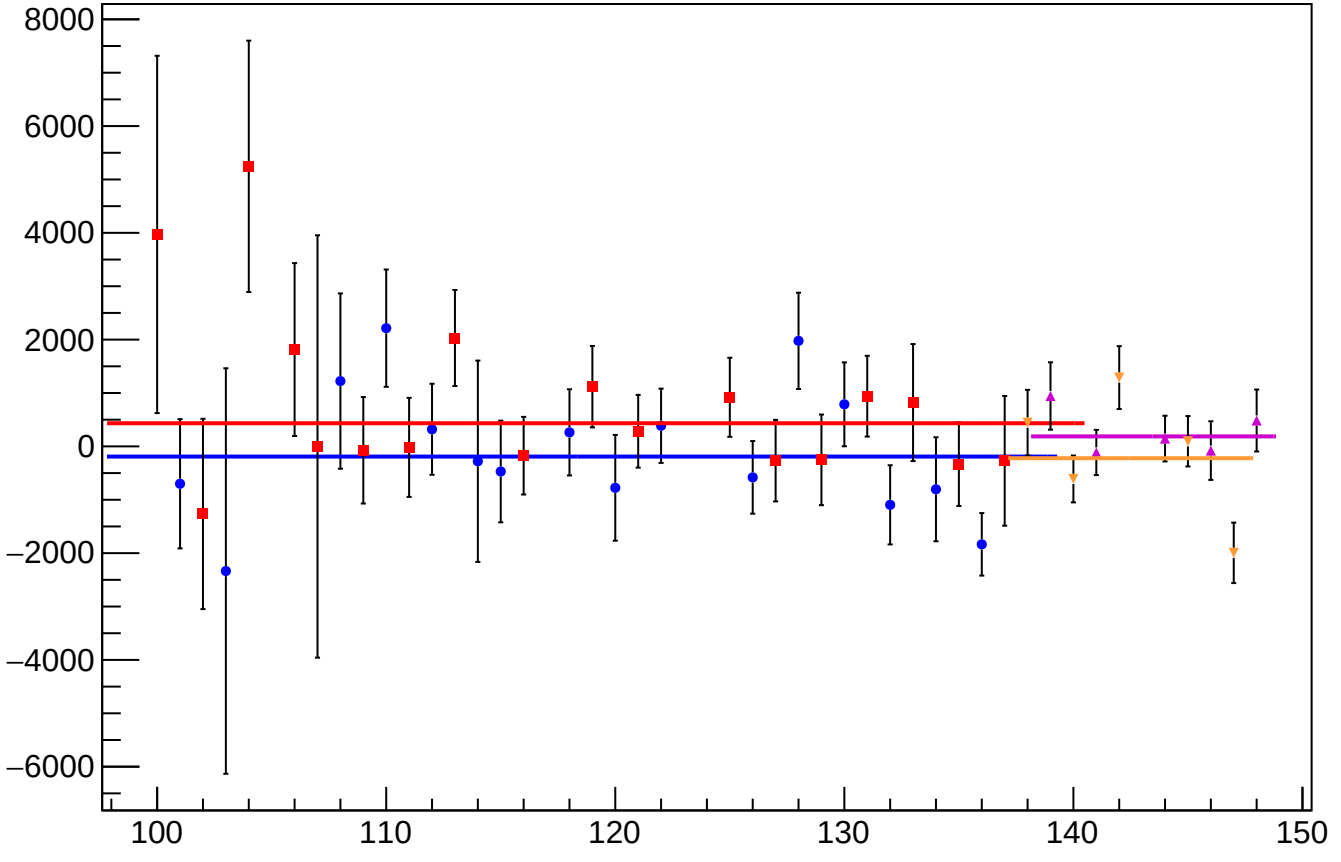
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1184.978+/-0.248 χ^2/NDF:330026.3/20

Out: 1215.513+/-0.262 χ^2/NDF:501278.1/22

All: 1199.394+/-0.180 χ^2/NDF: 838489.0/43

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -221.356+/-233.503 χ^2/NDF:18.8/4

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 186.986+/-224.596 χ^2/NDF:2.5/4

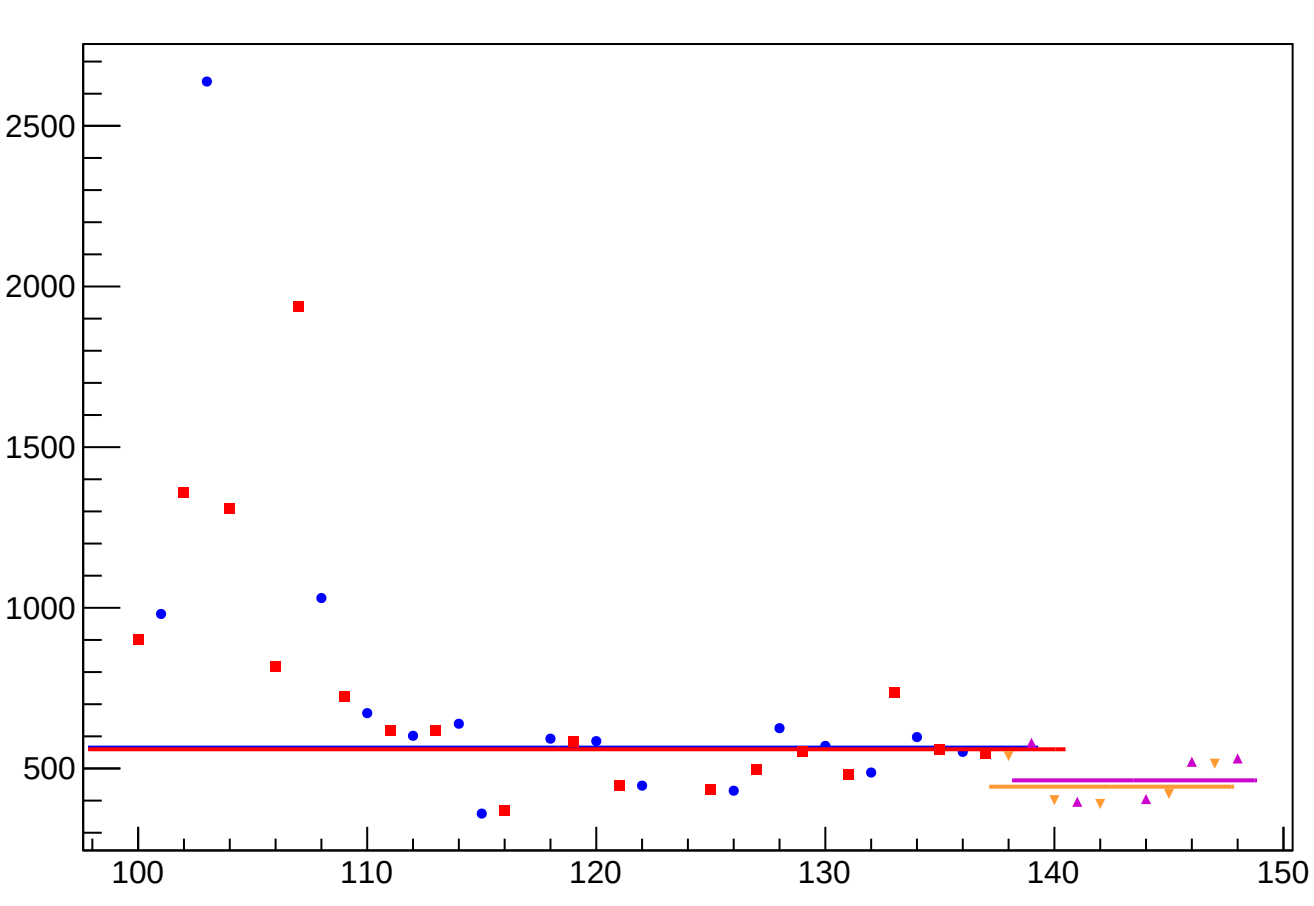
Left: -9.249+/-161.871 χ^2/NDF: 22.8/9

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -3.288+/-158.199 χ^2/NDF:29.1/20

Out: 120.526+/-161.477 χ^2/NDF:38.8/22

All: 57.350+/-113.004 χ^2/NDF: 68.3/43



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 443.293+/-0.165 χ^2/NDF:119393.4/4

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

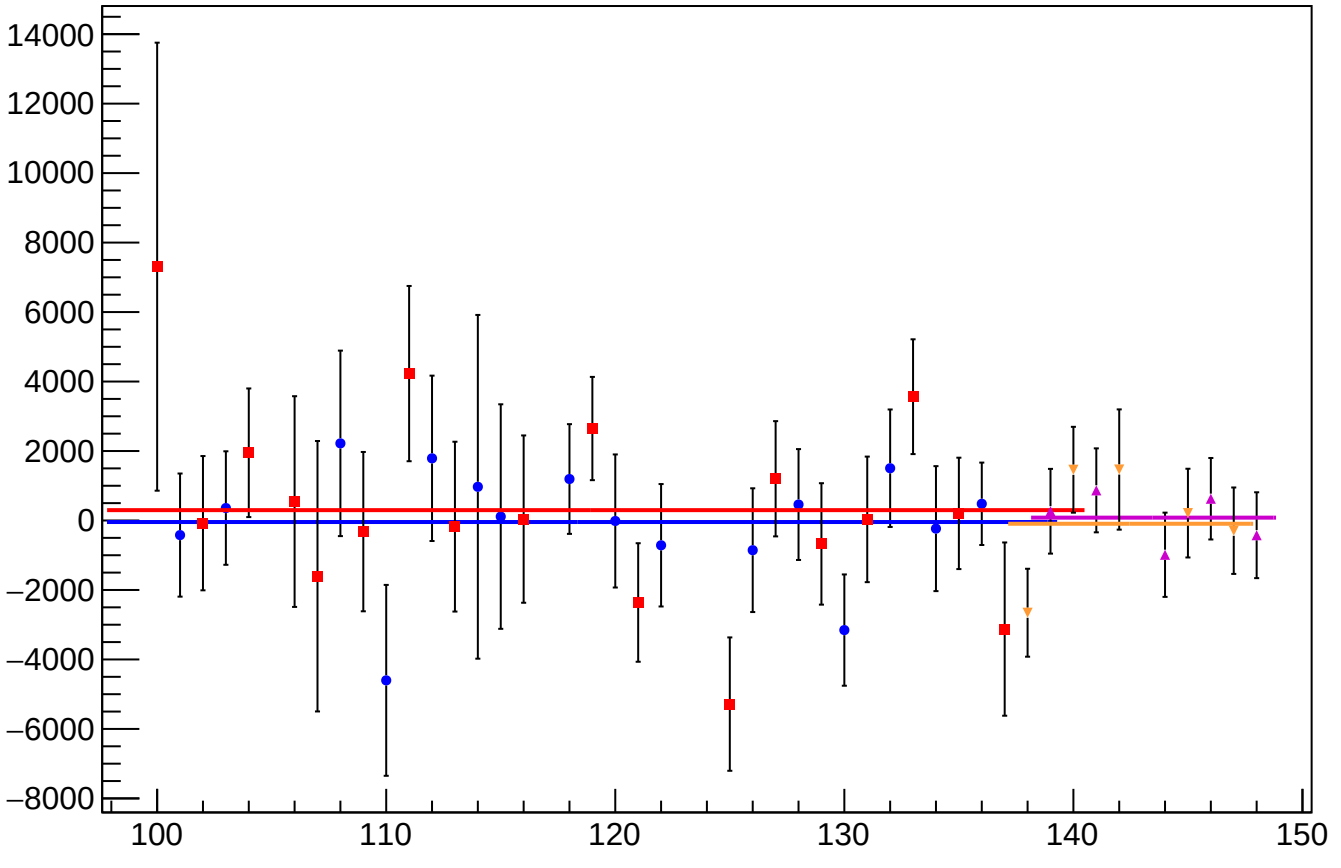
Left: 453.526+/-0.114 χ^2/NDF: 331848.0/9

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 514.368+/-0.112 χ^2/NDF:1697196.4/20

Out: 504.061+/-0.114 χ^2/NDF:1708358.4/22

All: 509.320+/-0.080 χ^2/NDF: 3409712.8/43



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -93.927+/-590.024 χ^2/NDF:6.6/4

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 82.061+/-540.860 χ^2/NDF:1.6/4

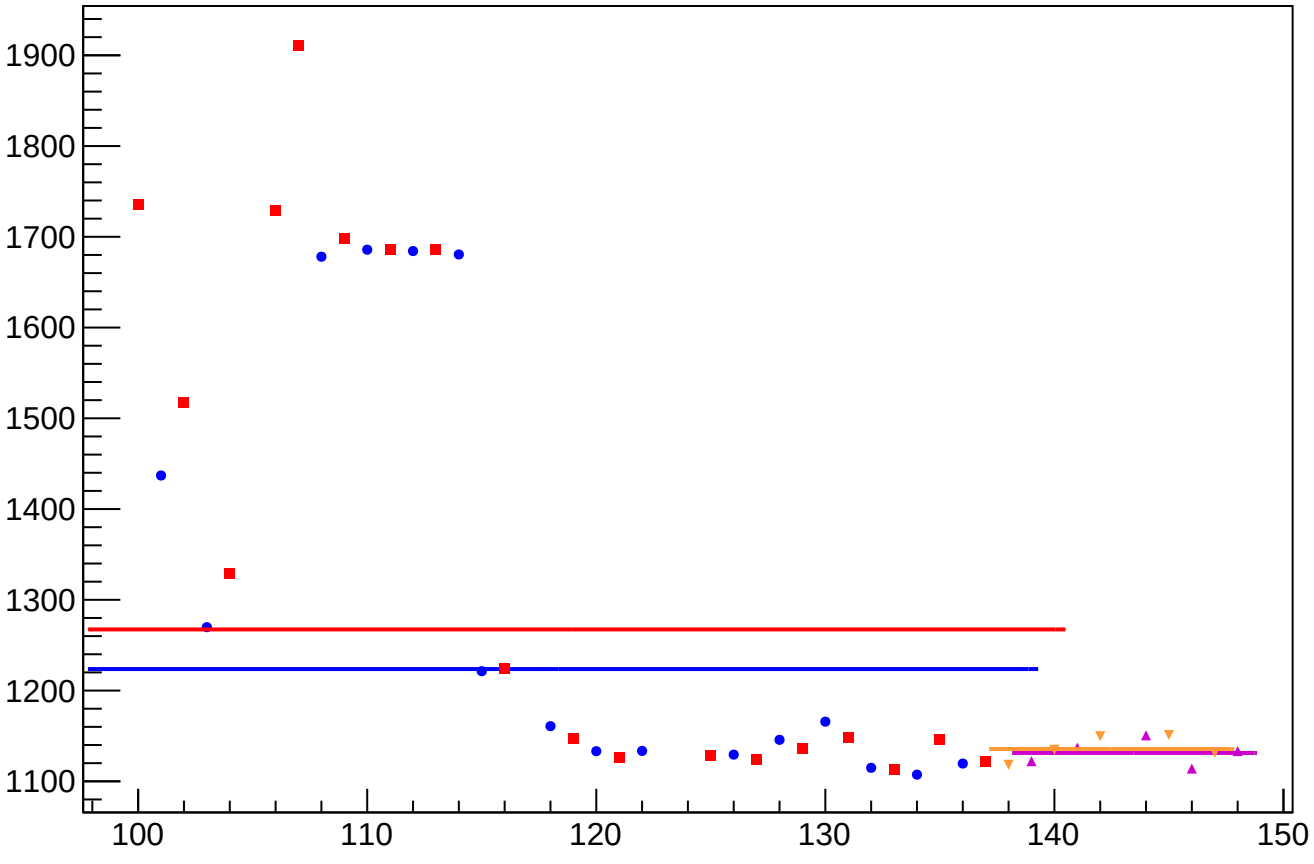
Left: 1.703+/-398.696 χ^2/NDF: 8.2/9

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 8.853+/-350.062 χ^2/NDF:11.7/20

Out: 143.879+/-370.148 χ^2/NDF:31.5/22

All: 72.603+/-254.336 χ^2/NDF: 43.3/43



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

Left: 1133.247+/-0.282 χ^2/NDF: 1987.0/9

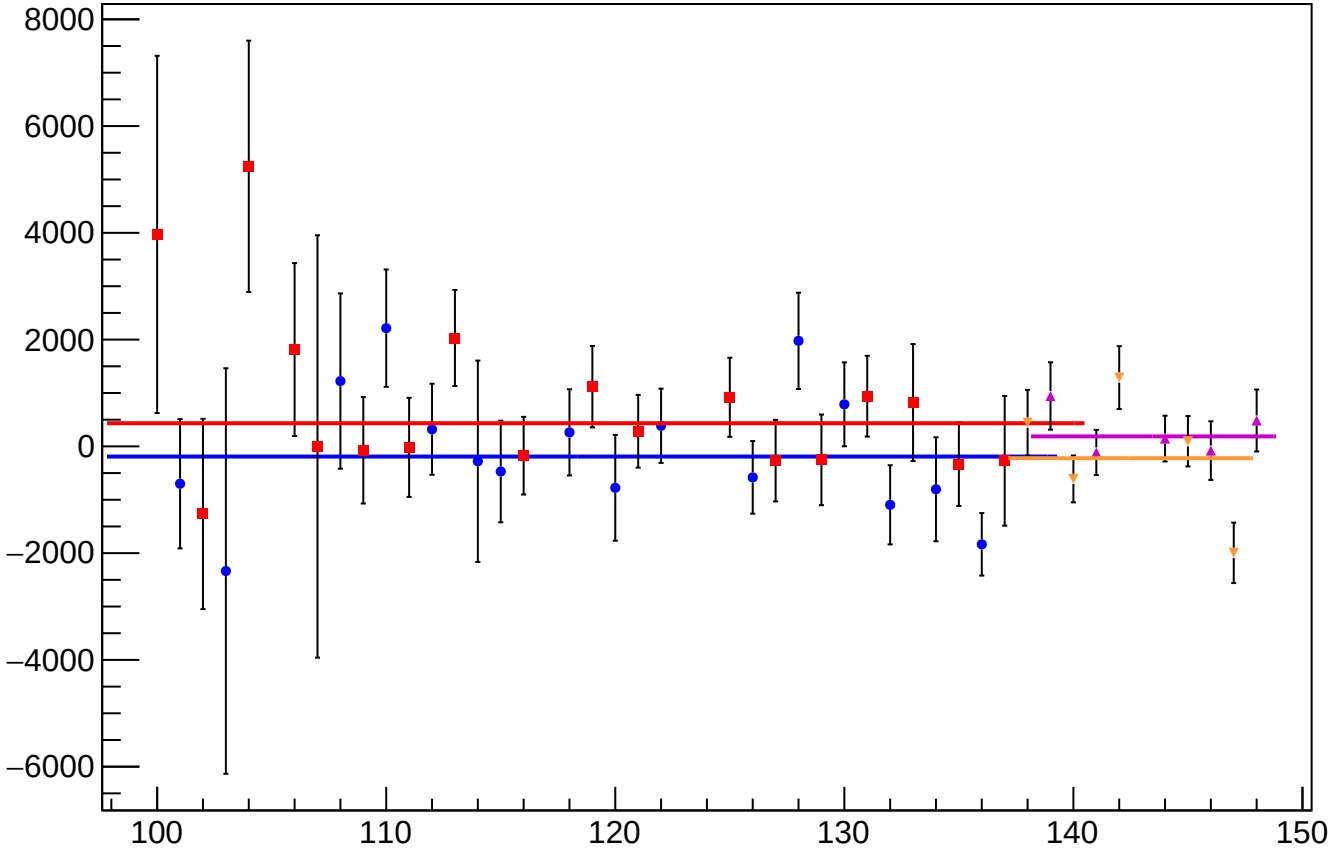
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1184.978+/-0.248 χ^2/NDF:330026.3/20

Out: 1215.513+/-0.262 χ^2/NDF:501278.1/22

All: 1199.394+/-0.180 χ^2/NDF: 838489.0/43

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -221.356+/-233.503 χ^2/NDF:18.8/4

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 186.986+/-224.596 χ^2/NDF:2.5/4

Left: -9.249+/-161.871 χ^2/NDF: 22.8/9

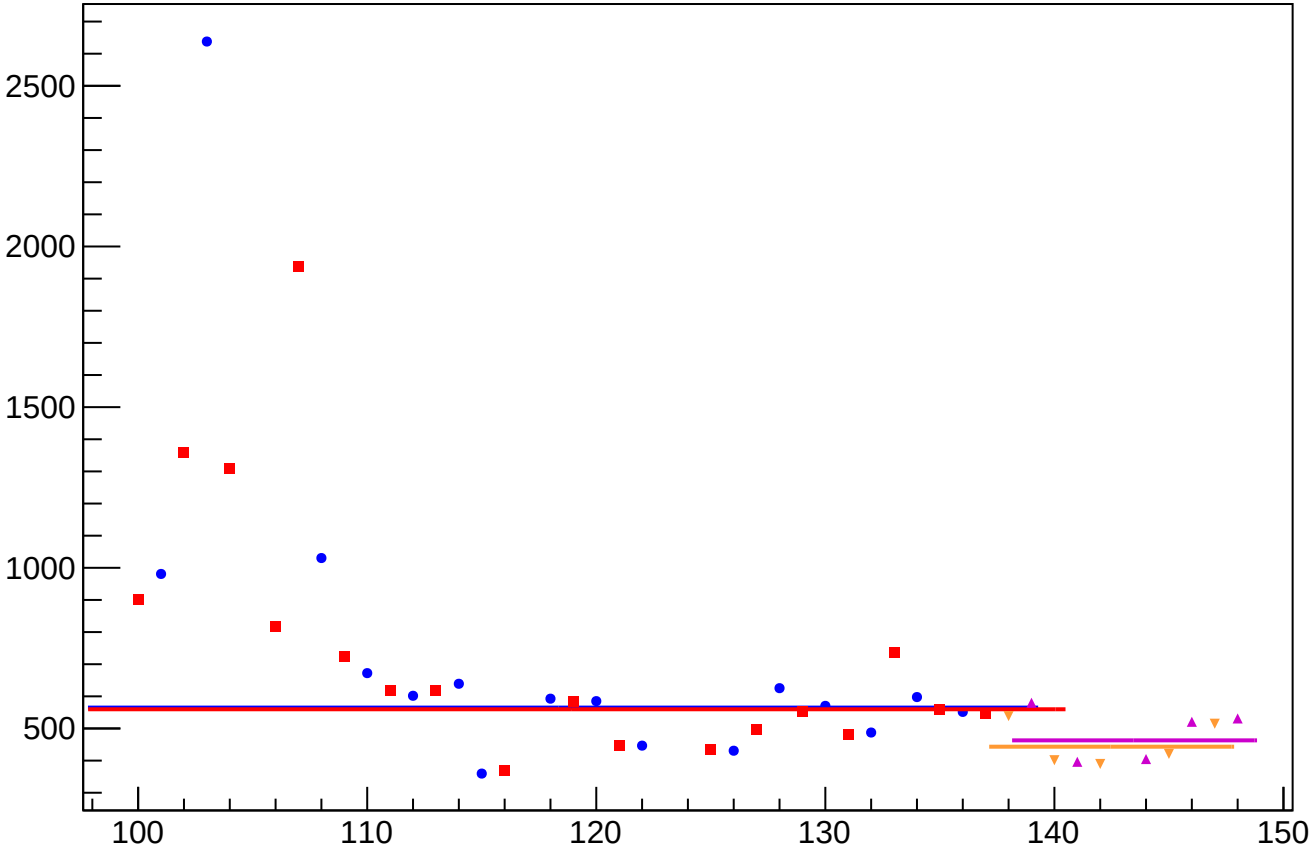
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -3.288+/-158.199 χ^2/NDF:29.1/20

Out: 120.526+/-161.477 χ^2/NDF:38.8/22

All: 57.350+/-113.004 χ^2/NDF: 68.3/43

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: 443.293+/-0.165 χ^2/NDF:119393.4/4

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

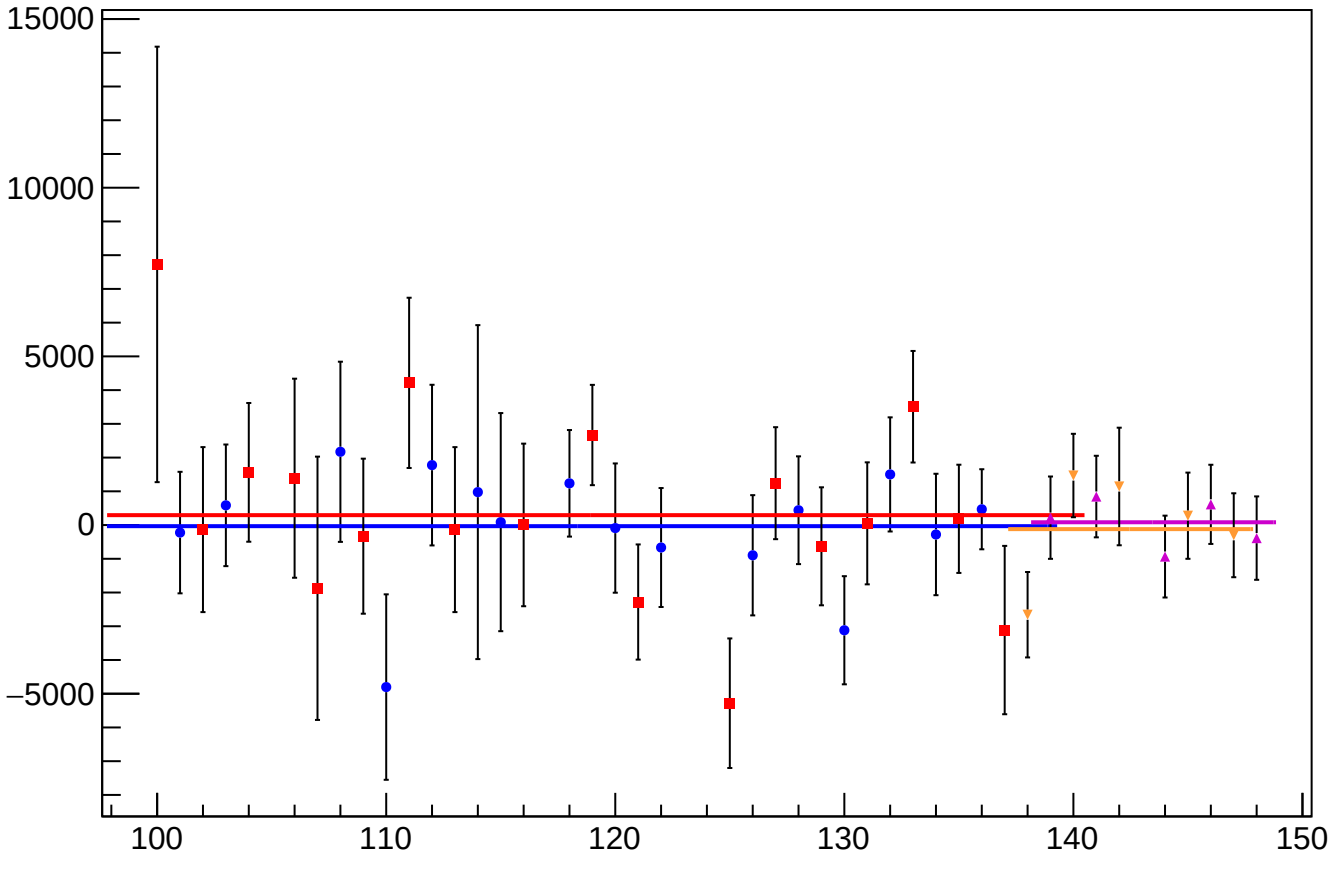
Left: 453.526+/-0.114 χ^2/NDF: 331848.0/9

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 514.368+/-0.112 χ^2/NDF:1697196.4/20

Out: 504.061+/-0.114 χ^2/NDF:1708358.4/22

All: 509.320+/-0.080 χ^2/NDF: 3409712.8/43



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -120.735+/-590.741 χ^2/NDF:6.3/4

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 82.607+/-541.081 χ^2/NDF:1.5/4

Left: -10.159+/-399.005 χ^2/NDF: 7.8/9

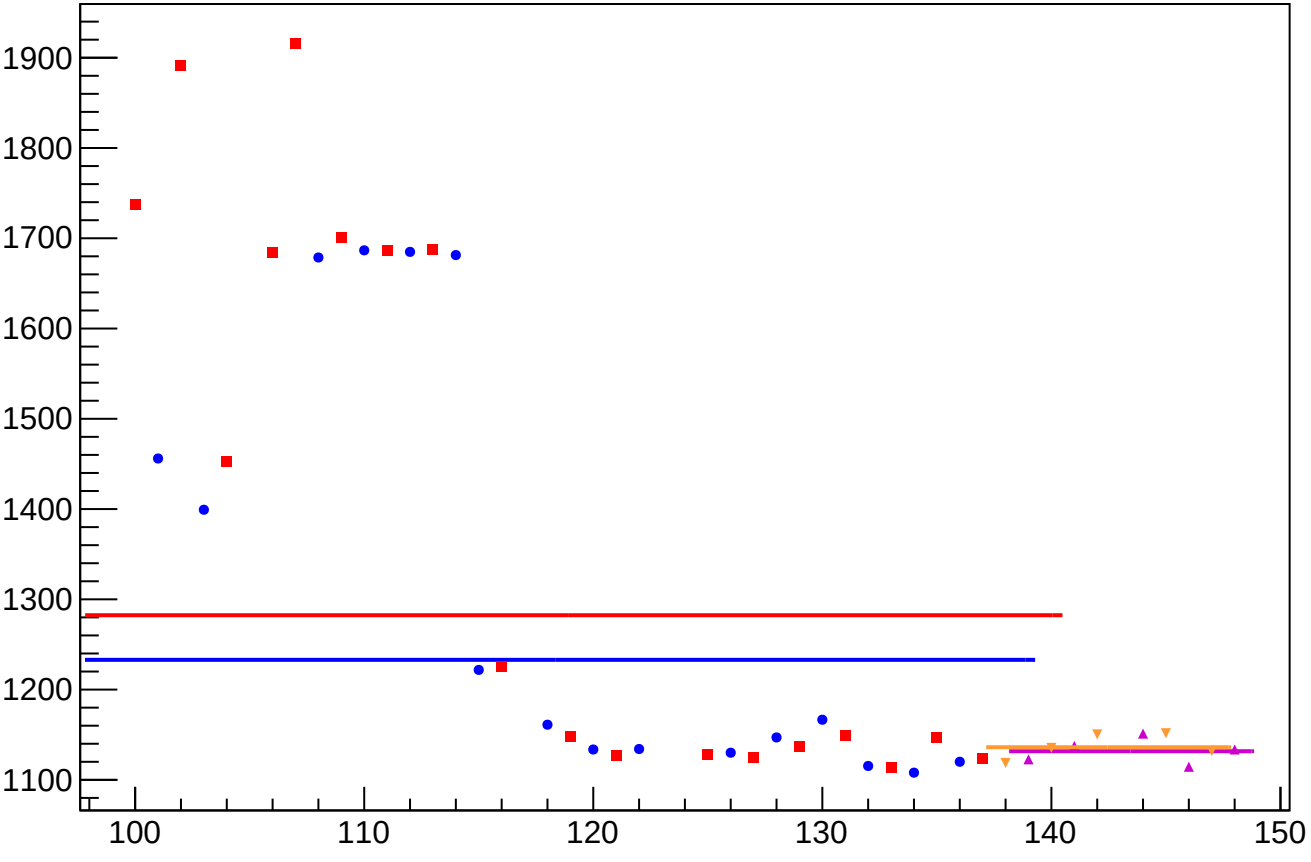
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 15.858+/-351.882 χ^2/NDF:11.8/20

Out: 127.119+/-374.313 χ^2/NDF:30.8/22

All: 68.055+/-256.382 χ^2/NDF: 42.6/43

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1136.145+/-0.418 χ^2/NDF:830.3/4

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

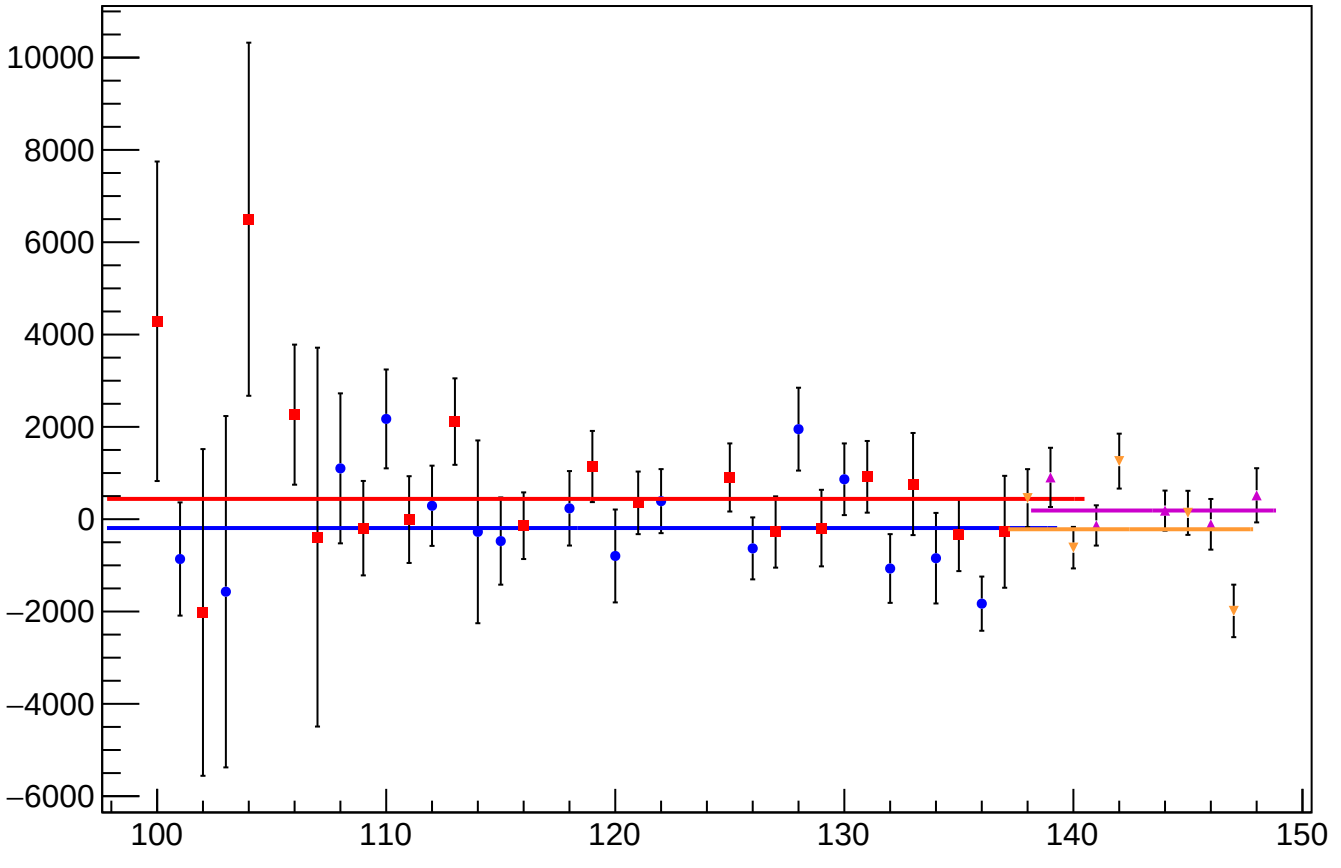
Left: 1133.737+/-0.282 χ^2/NDF: 1998.1/9

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1190.144+/-0.249 χ^2/NDF:356988.3/20

Out: 1223.684+/-0.265 χ^2/NDF:617612.6/22

All: 1205.879+/-0.181 χ^2/NDF: 983125.2/43



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -217.870+/-237.115 χ^2/NDF:18.3/4

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 188.138+/-228.076 χ^2/NDF:2.4/4

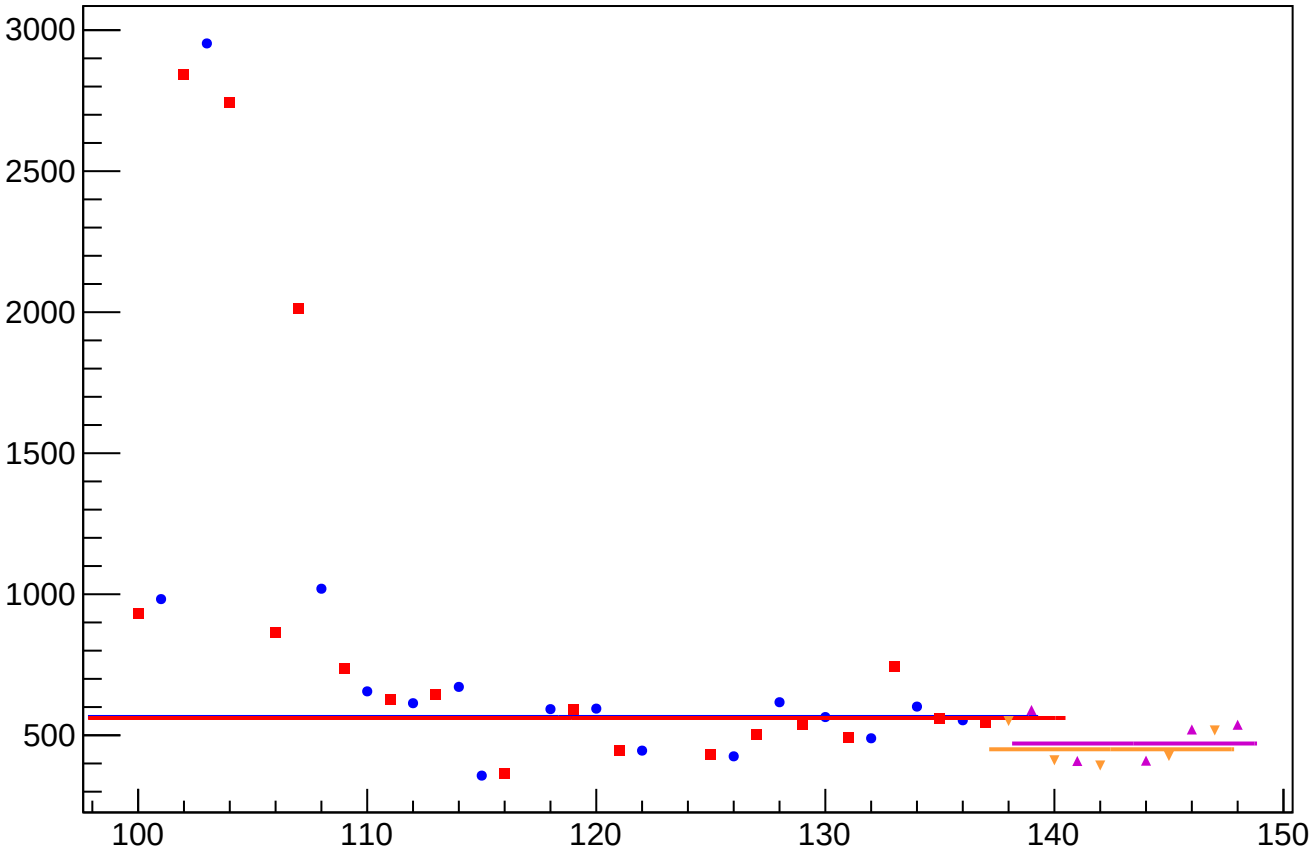
Left: -6.979+/-164.377 χ^2/NDF: 22.3/9

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -6.168+/-159.363 χ^2/NDF:29.1/20

Out: 125.771+/-163.822 χ^2/NDF:37.0/22

All: 57.982+/-114.230 χ^2/NDF: 66.4/43



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 450.308+/-0.168 χ^2/NDF:117204.5/4

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 470.781+/-0.161 χ^2/NDF:190405.1/4

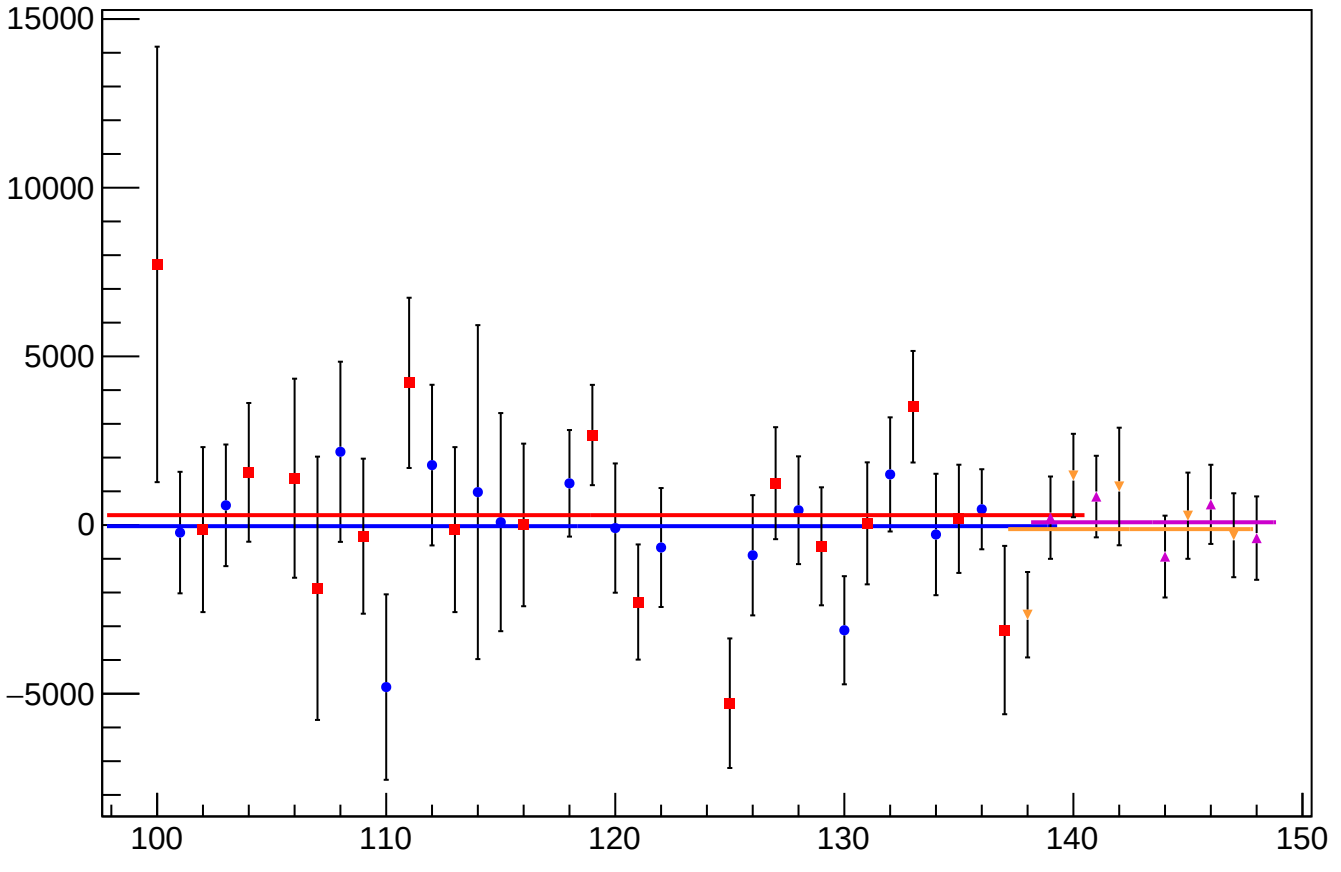
Left: 460.942+/-0.116 χ^2/NDF: 315354.4/9

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 518.934+/-0.113 χ^2/NDF:1844978.0/20

Out: 508.305+/-0.116 χ^2/NDF:2619509.3/22

All: 513.766+/-0.081 χ^2/NDF: 4468813.1/43



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -120.737+/-590.741 χ^2/NDF:6.3/4

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 82.608+/-541.081 χ^2/NDF:1.5/4

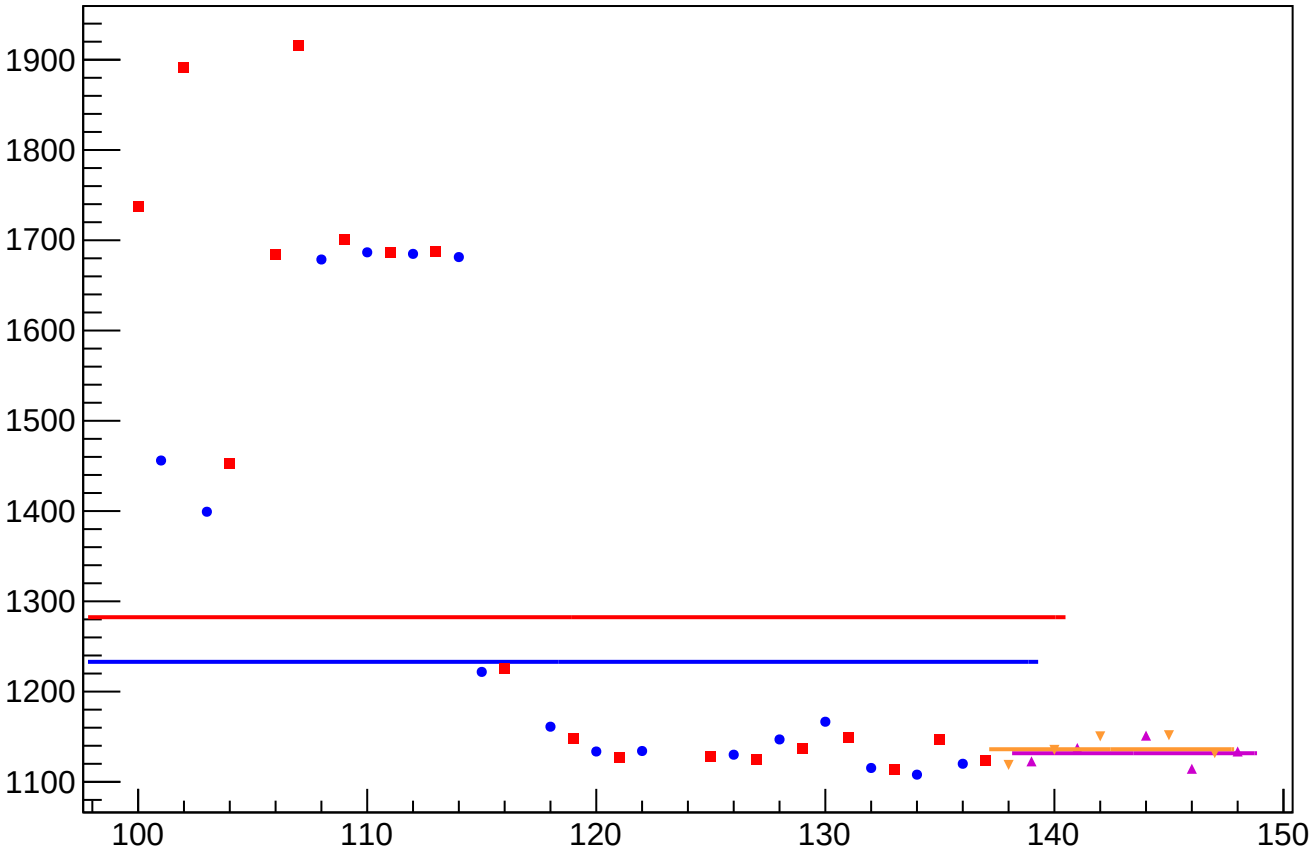
Left: -10.159+/-399.005 χ^2/NDF: 7.8/9

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 15.859+/-351.882 χ^2/NDF:11.8/20

Out: 127.118+/-374.313 χ^2/NDF:30.8/22

All: 68.055+/-256.382 χ^2/NDF: 42.6/43



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1136.145+/-0.418 χ^2/NDF:830.3/4

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

Left: 1133.737+/-0.282 χ^2/NDF: 1998.1/9

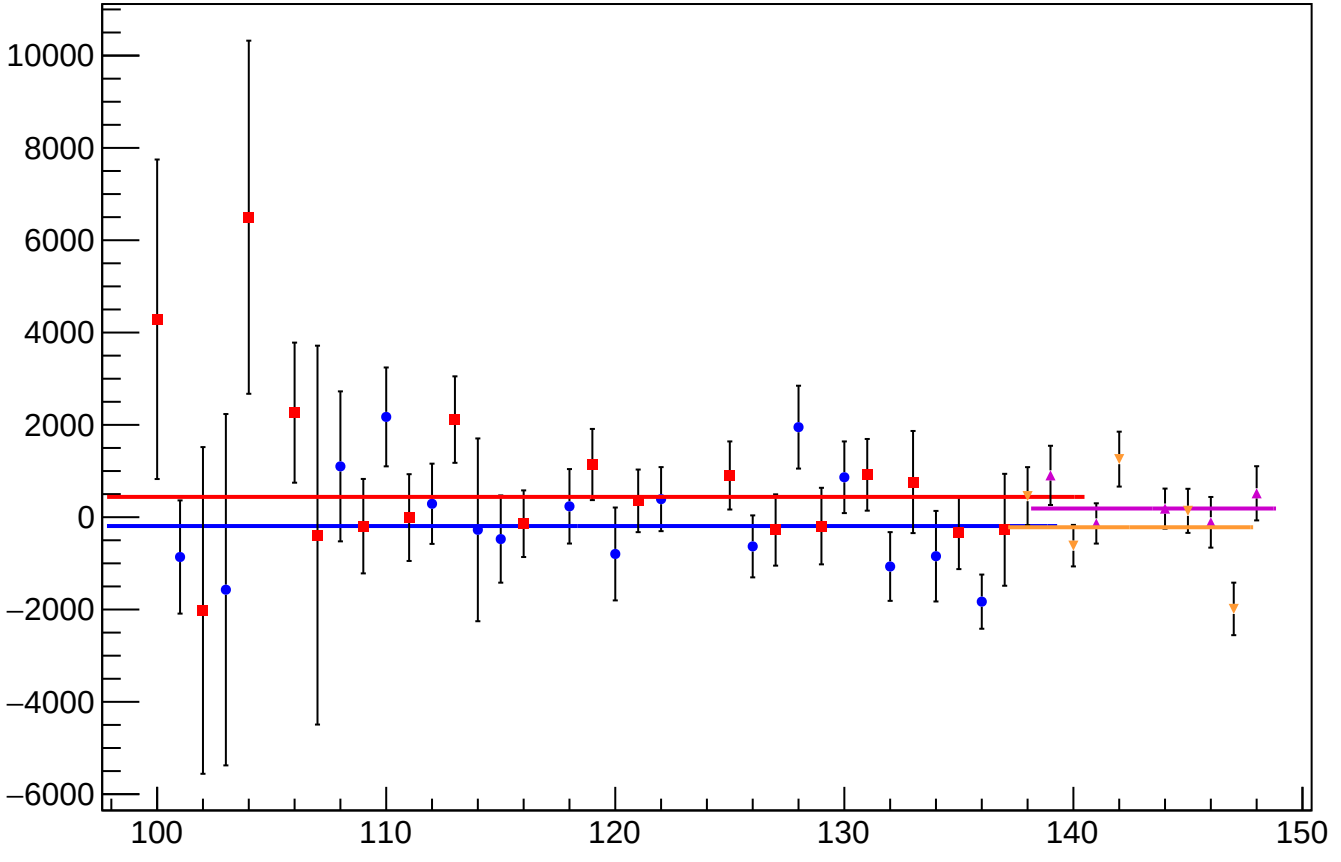
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1190.144+/-0.249 χ^2/NDF:356987.9/20

Out: 1223.684+/-0.265 χ^2/NDF:617612.0/22

All: 1205.879+/-0.181 χ^2/NDF: 983124.1/43

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: -217.868+/-237.115 χ^2/NDF:18.3/4

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 188.138+/-228.075 χ^2/NDF:2.4/4

Left: -6.978+/-164.376 χ^2/NDF: 22.3/9

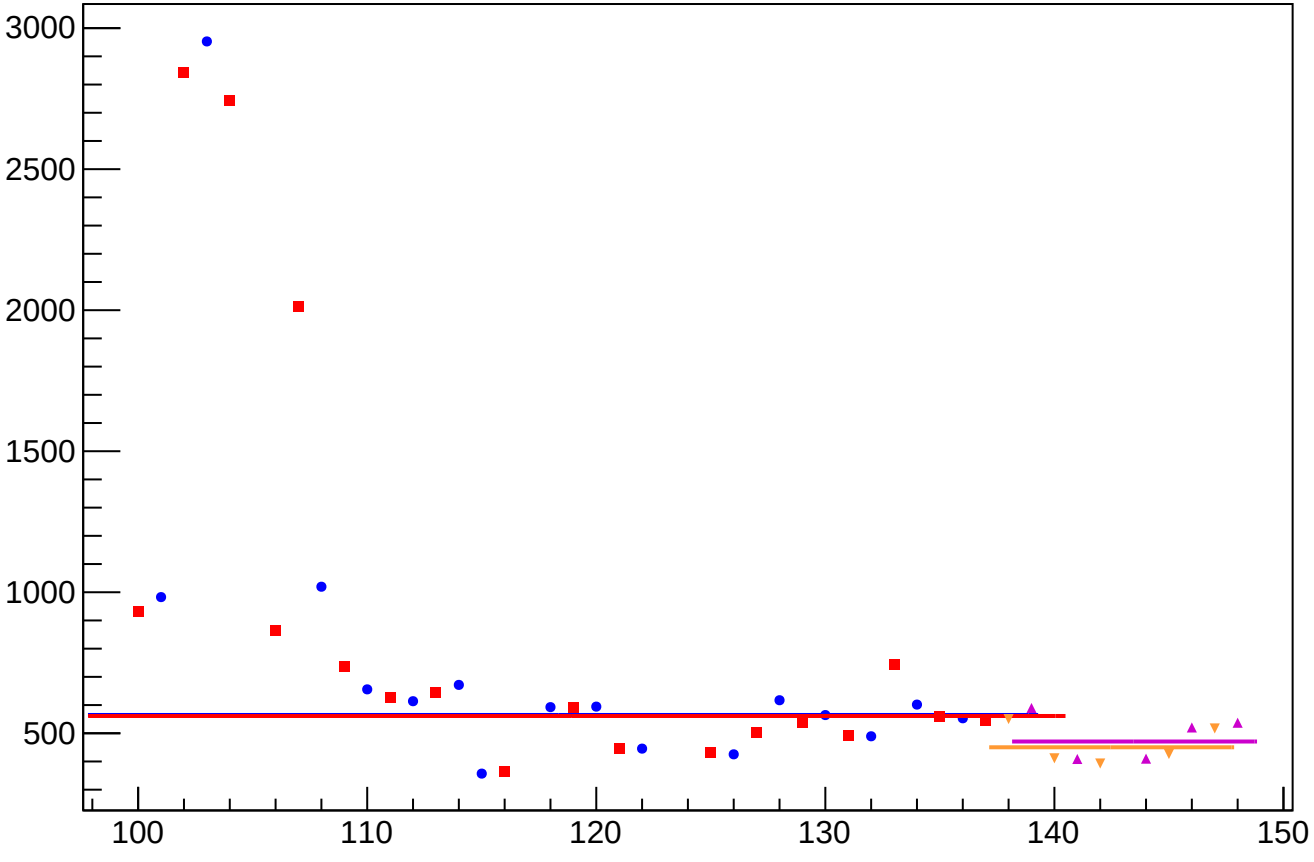
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -6.167+/-159.362 χ^2/NDF:29.1/20

Out: 125.772+/-163.822 χ^2/NDF:37.0/22

All: 57.982+/-114.230 χ^2/NDF: 66.4/43

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: 450.306+/-0.168 χ^2/NDF:117211.4/4

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 470.780+/-0.161 χ^2/NDF:190412.0/4

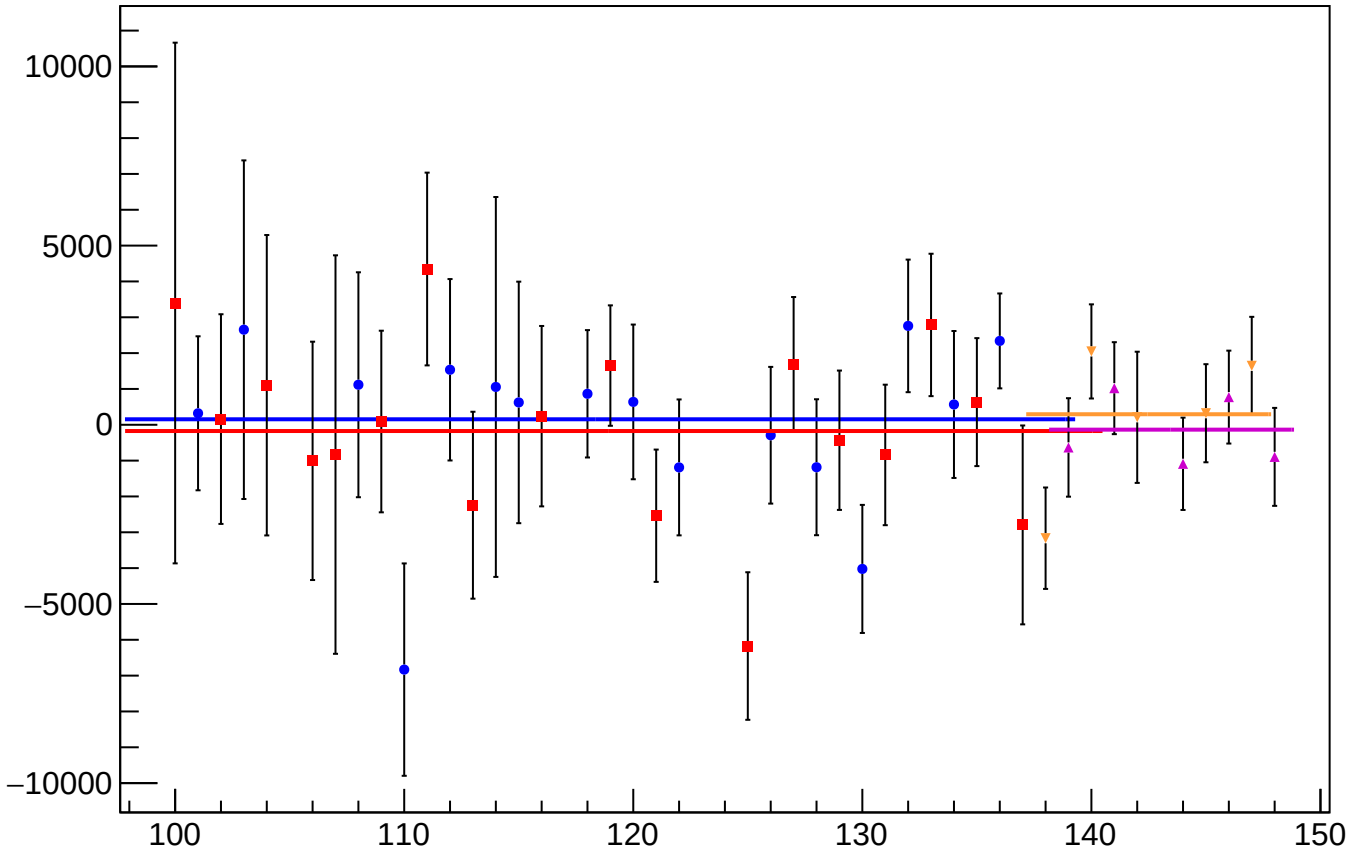
Left: 460.941+/-0.116 χ^2/NDF: 315368.6/9

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 518.934+/-0.113 χ^2/NDF:1844985.6/20

Out: 508.304+/-0.116 χ^2/NDF:2619522.9/22

All: 513.766+/-0.081 χ^2/NDF: 4468834.6/43



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 294.149+/-639.375 χ^2/NDF:8.7/4

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -135.958+/-590.309 χ^2/NDF:2.3/4

Left: 61.961+/-433.722 χ^2/NDF: 11.3/9

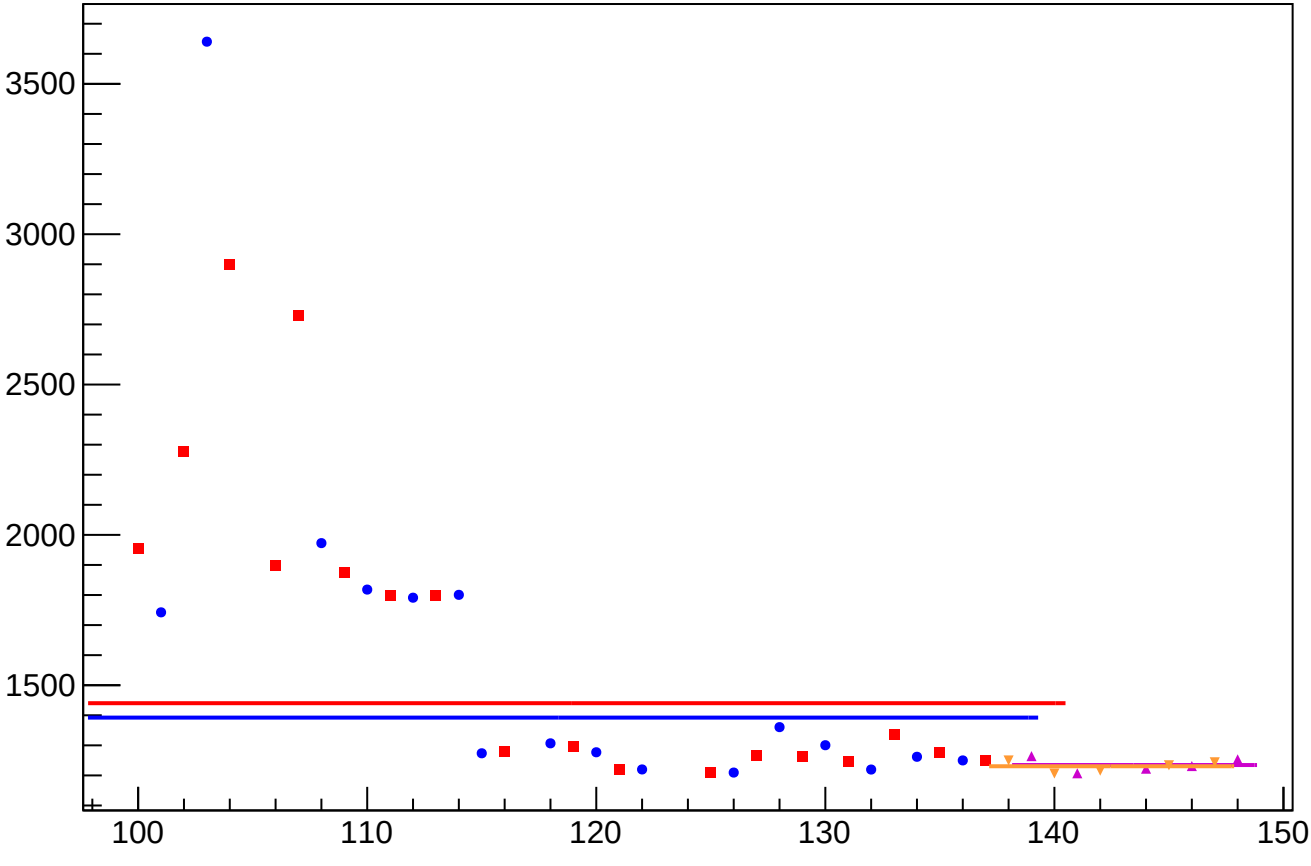
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 23.674+/-395.231 χ^2/NDF:20.2/20

Out: 24.974+/-417.024 χ^2/NDF:28.7/22

All: 24.289+/-286.866 χ^2/NDF: 48.9/43

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1230.476+/-0.452 χ^2/NDF:1371.0/4

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1234.542+/-0.417 χ^2/NDF:2418.1/4

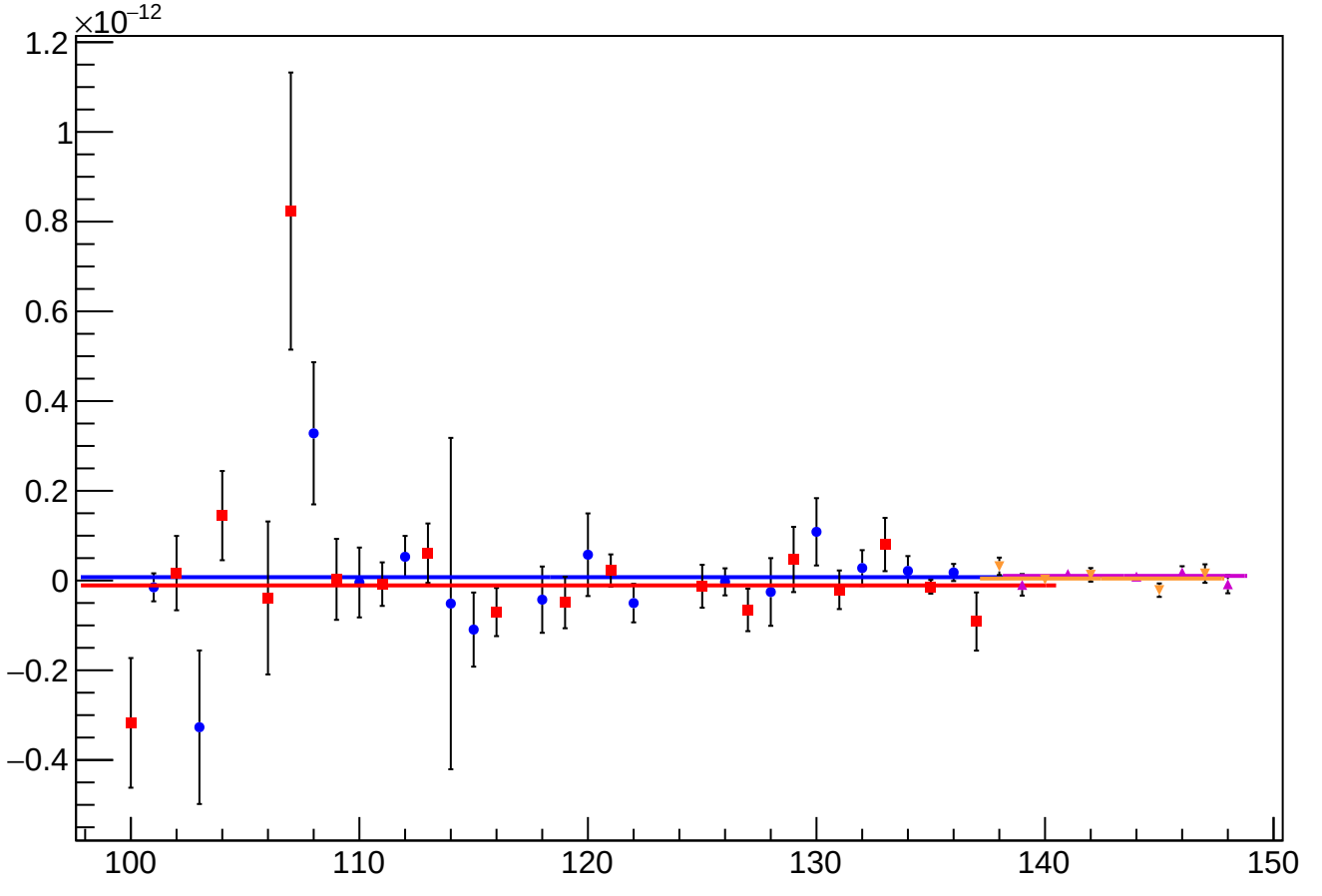
Left: 1232.671+/-0.307 χ^2/NDF: 3832.8/9

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1321.580+/-0.279 χ^2/NDF:860467.2/20

Out: 1350.993+/-0.295 χ^2/NDF:979926.7/22

All: 1335.498+/-0.203 χ^2/NDF: 1845635.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

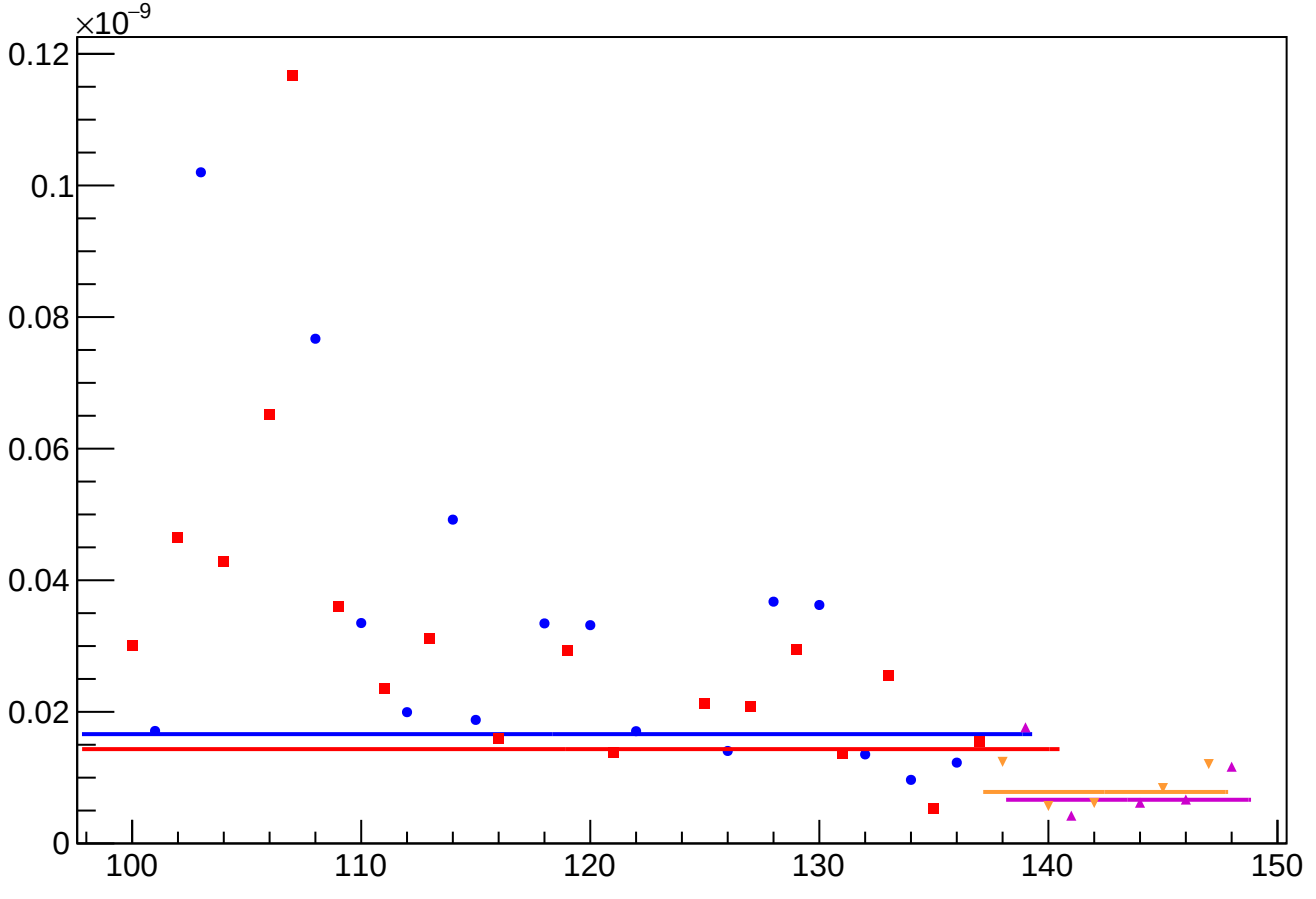
Left: 0.000+/-0.000 χ^2/NDF: 8.1/9

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:19.0/20

Out: 0.000+/-0.000 χ^2/NDF:31.1/22

All: 0.000+/-0.000 χ^2/NDF: 51.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:296259.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:680984.7/4

Left: 0.000+/-0.000 χ^2/NDF: 1012727.2/9

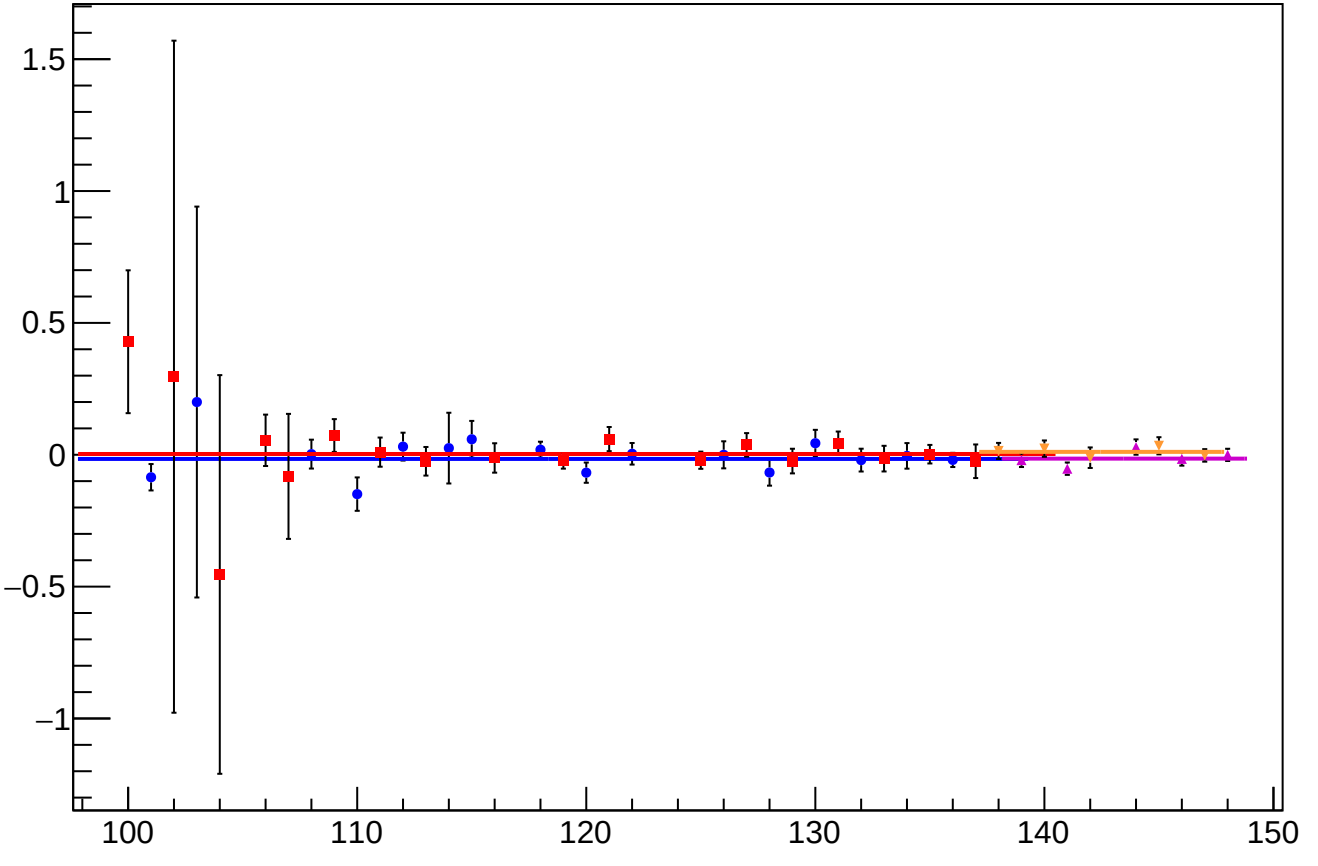
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3563678.8/20

Out: 0.000+/-0.000 χ^2/NDF:3090569.0/22

All: 0.000+/-0.000 χ^2/NDF: 6678821.9/43

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.015+/-0.011 χ^2/NDF:5.3/4

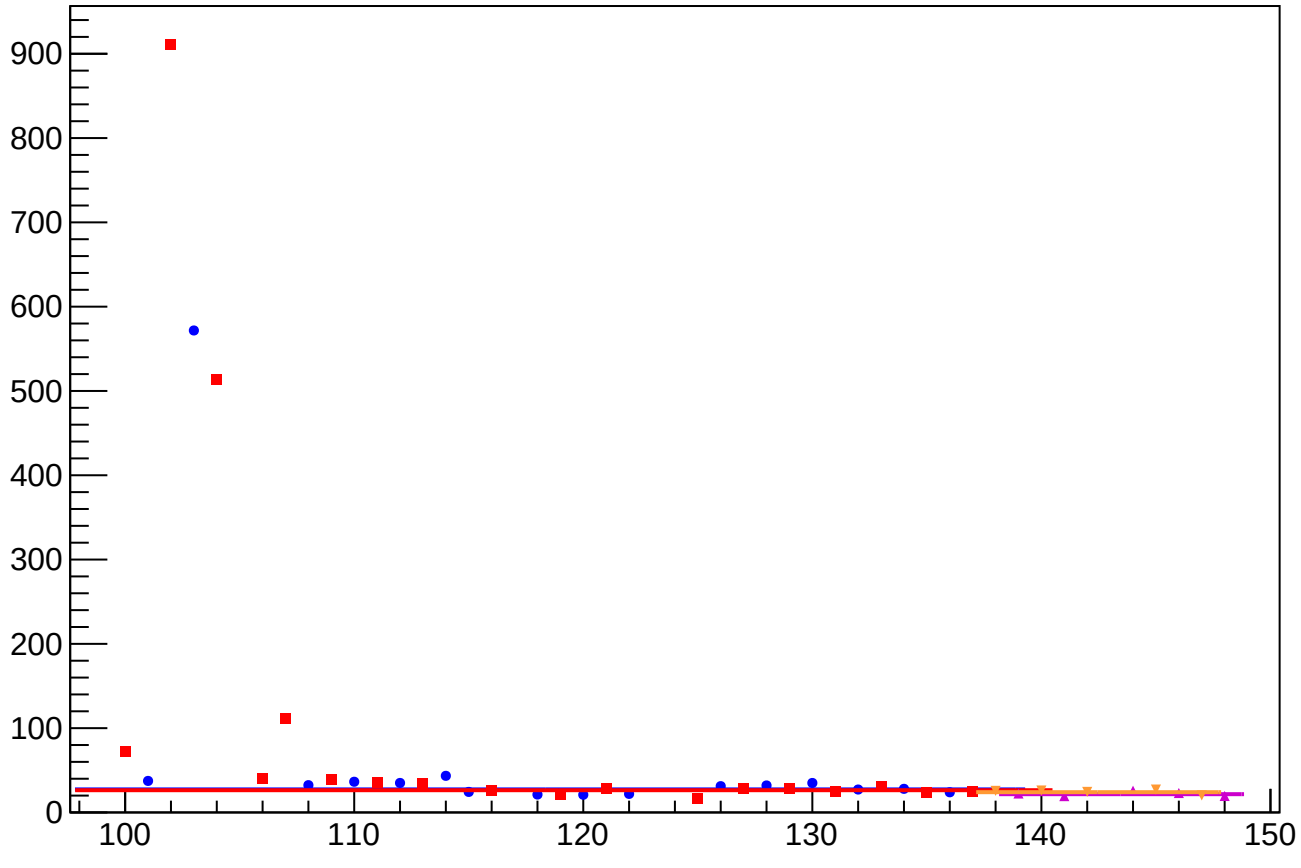
Left: -0.004+/-0.009 χ^2/NDF: 8.8/9

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.005+/-0.006 χ^2/NDF: 34.6/43



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 24.049+/-0.010 χ^2/NDF:84420.8/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

Left: 22.660+/-0.006 χ^2/NDF: 204790.3/9

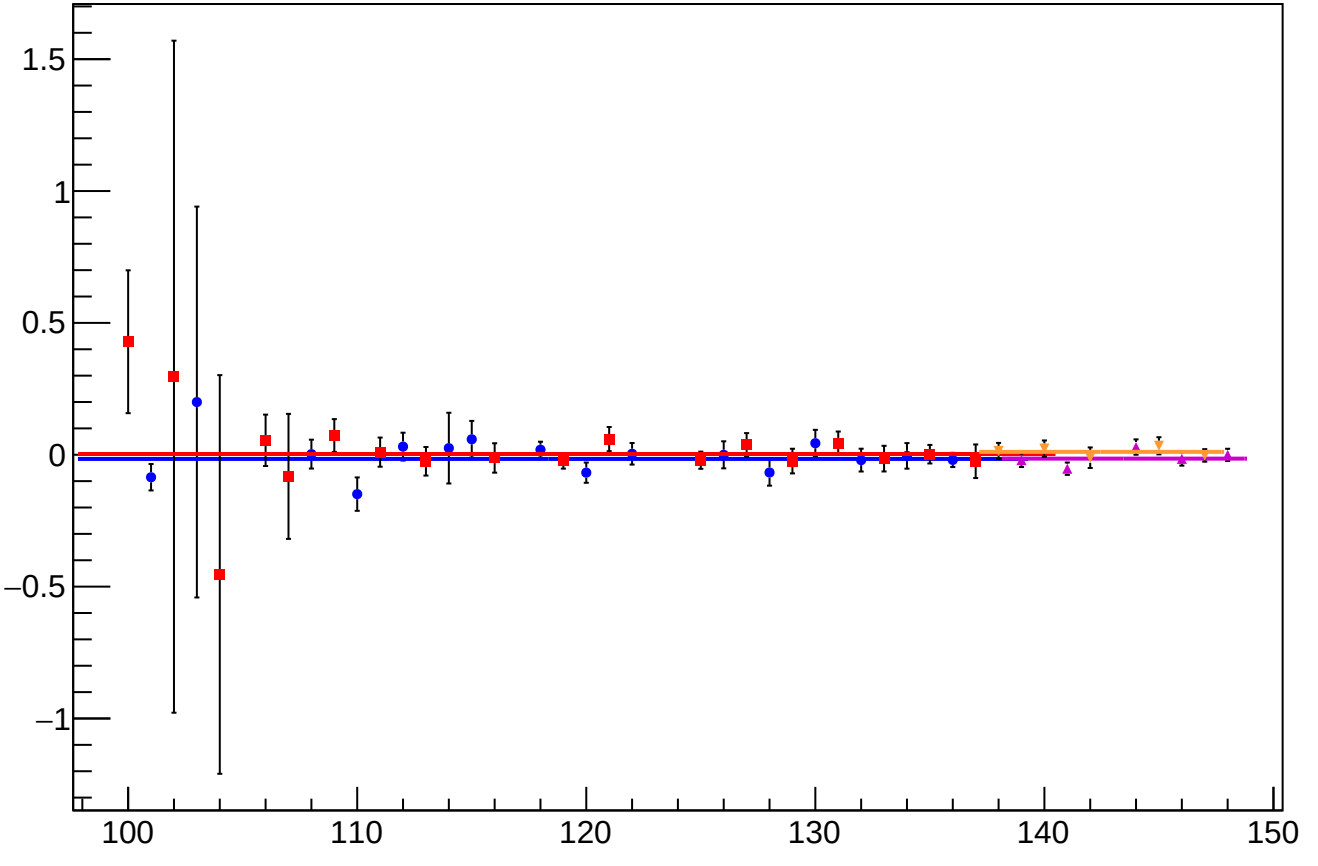
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 24.434+/-0.006 χ^2/NDF:1894187.6/20

Out: 25.360+/-0.006 χ^2/NDF:2732930.7/22

All: 24.849+/-0.004 χ^2/NDF: 4638878.6/43

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.015+/-0.011 χ^2/NDF:5.3/4

Left: -0.004+/-0.009 χ^2/NDF: 8.8/9

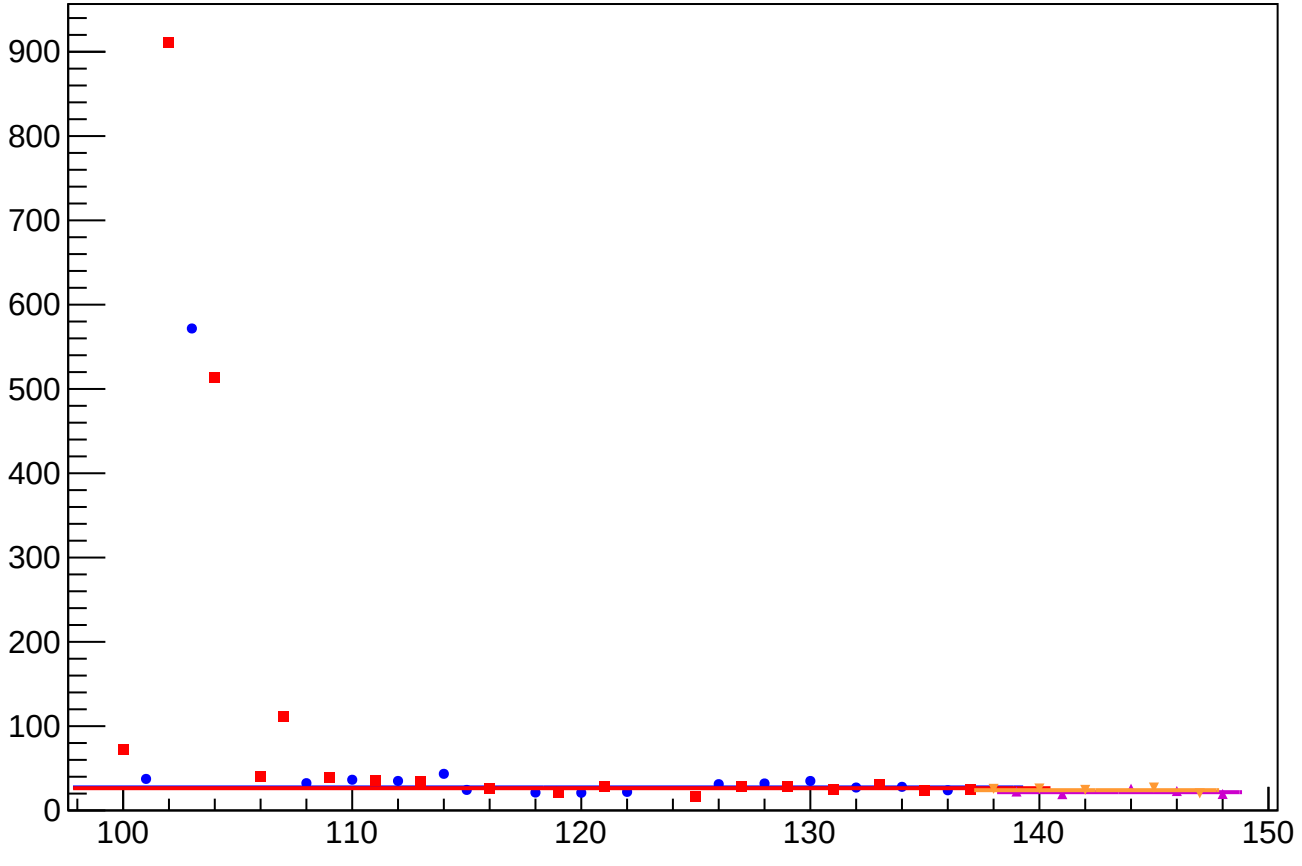
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.005+/-0.006 χ^2/NDF: 34.6/43

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: 24.049+/-0.010 χ^2/NDF:84420.8/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

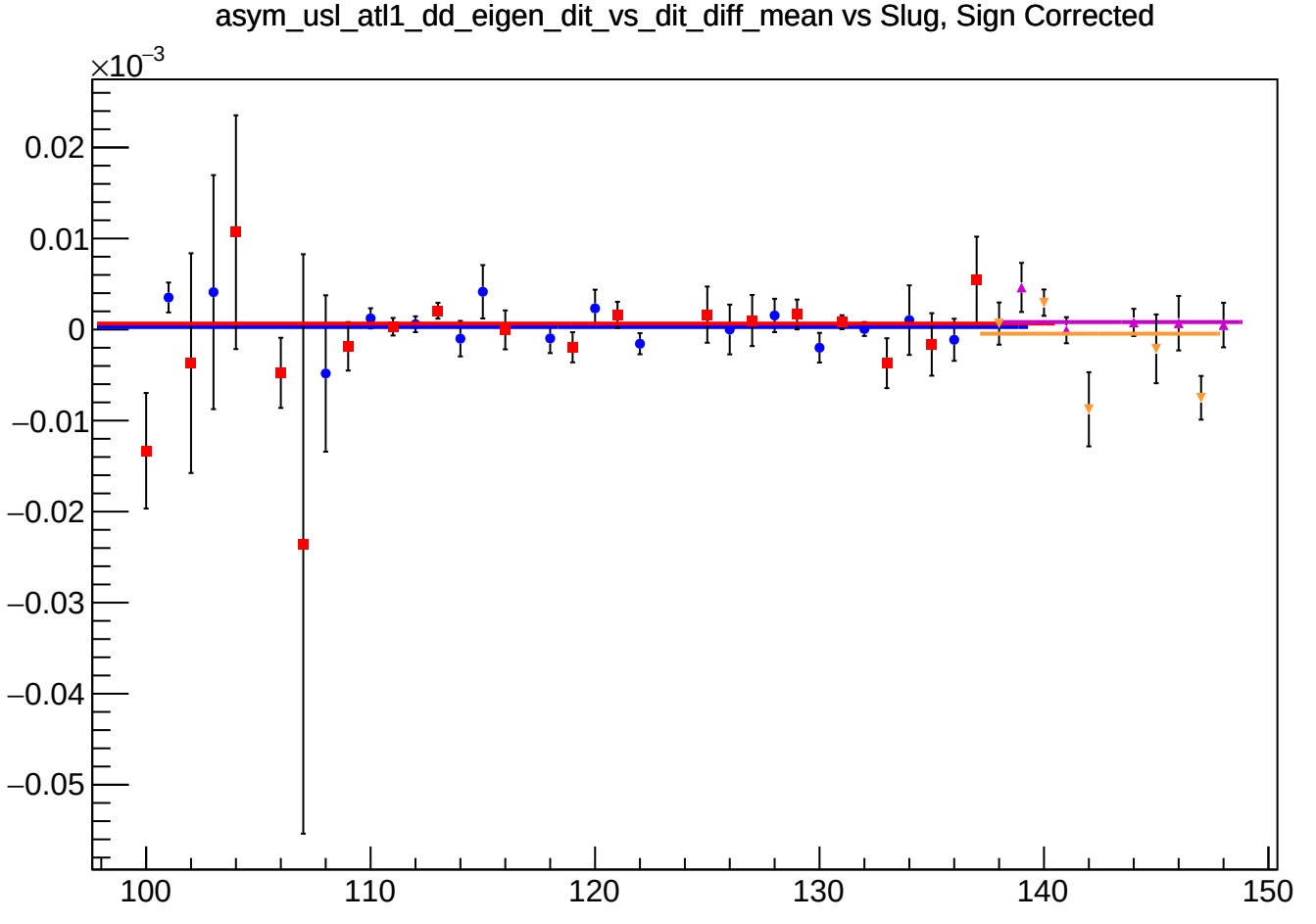
Left: 22.660+/-0.006 χ^2/NDF: 204790.3/9

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 24.434+/-0.006 χ^2/NDF:1894187.6/20

Out: 25.360+/-0.006 χ^2/NDF:2732930.7/22

All: 24.849+/-0.004 χ^2/NDF: 4638878.6/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

Left: 0.000+/-0.000 χ^2/NDF: 22.1/9

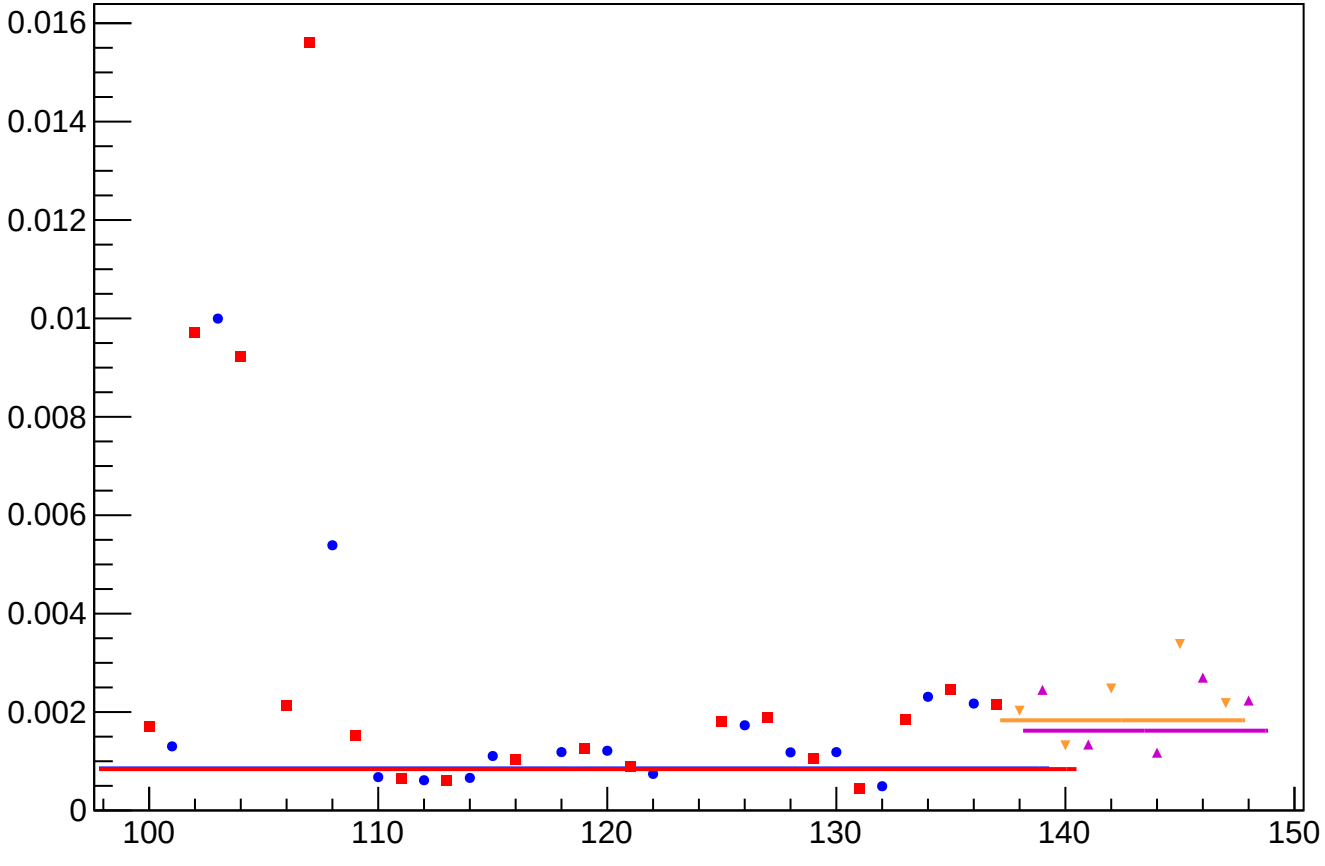
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/20

Out: 0.000+/-0.000 χ^2/NDF:39.1/22

All: 0.000+/-0.000 χ^2/NDF: 56.3/43

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:691734.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:830009.2/4

Left: 0.002+/-0.000 χ^2/NDF: 1572114.5/9

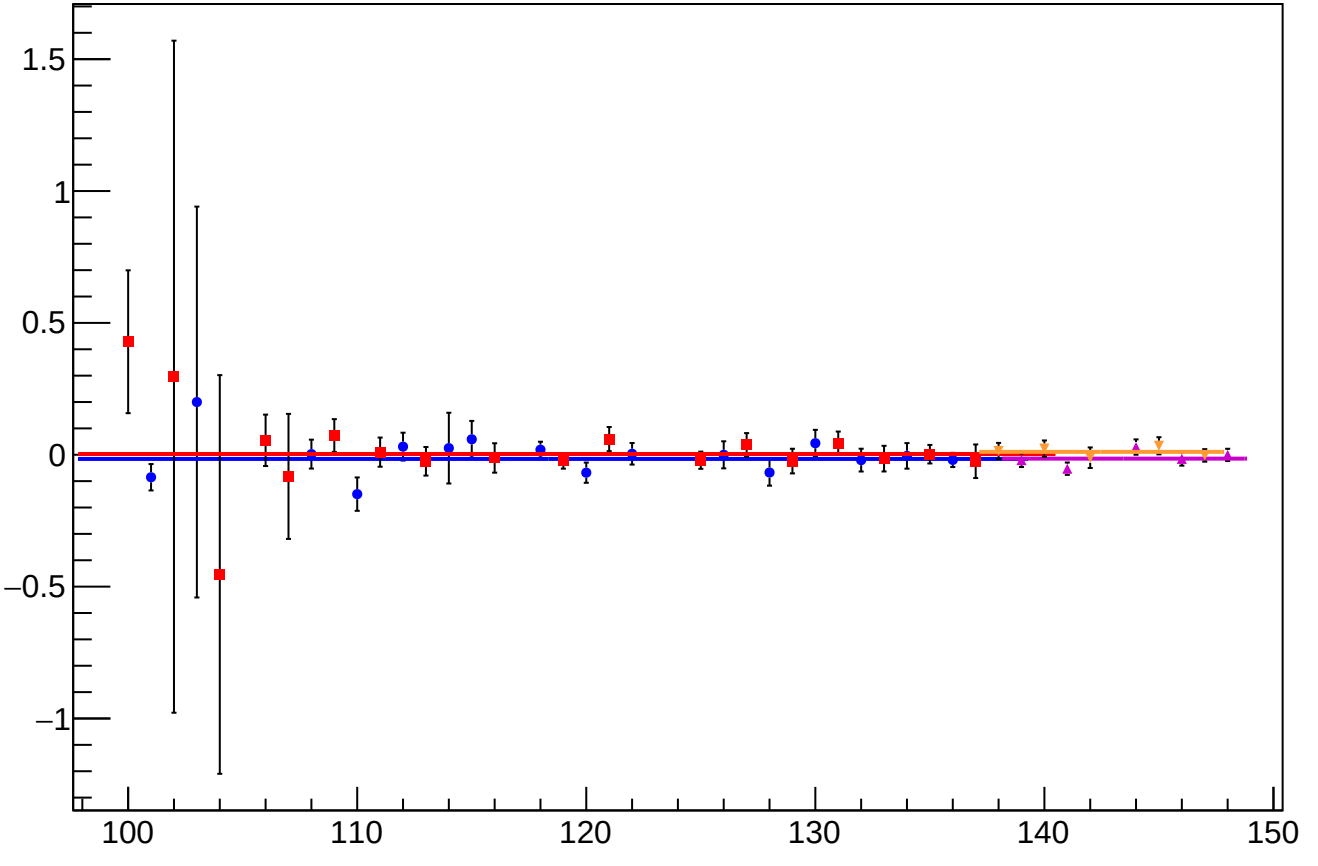
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:6032356.1/20

Out: 0.001+/-0.000 χ^2/NDF:7382680.7/22

All: 0.001+/-0.000 χ^2/NDF: 13415135.2/43

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.015+/-0.011 χ^2/NDF:5.3/4

Left: -0.004+/-0.009 χ^2/NDF: 8.8/9

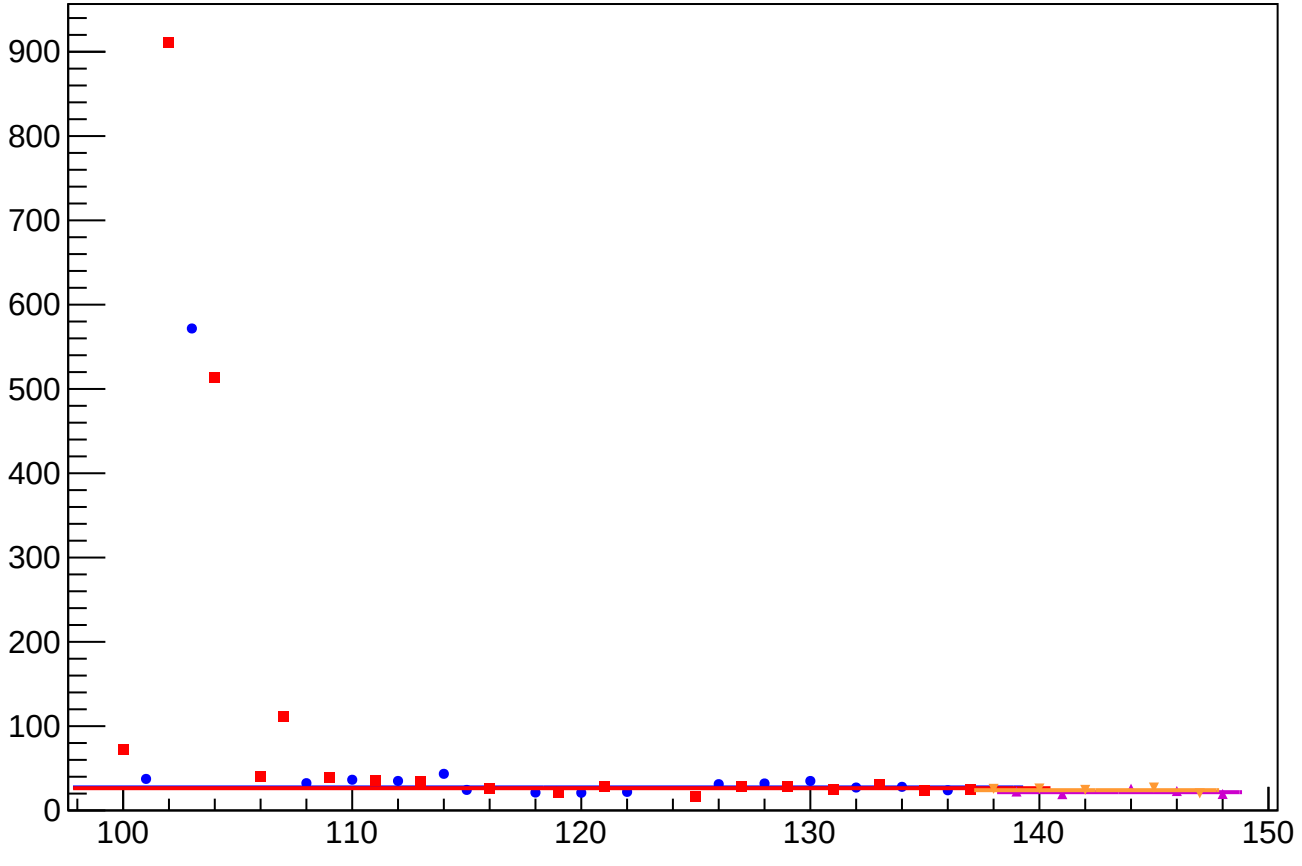
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.005+/-0.006 χ^2/NDF: 34.6/43

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 24.049+/-0.010 χ^2/NDF:84400.6/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84313.5/4

Left: 22.660+/-0.006 χ^2/NDF: 204777.3/9

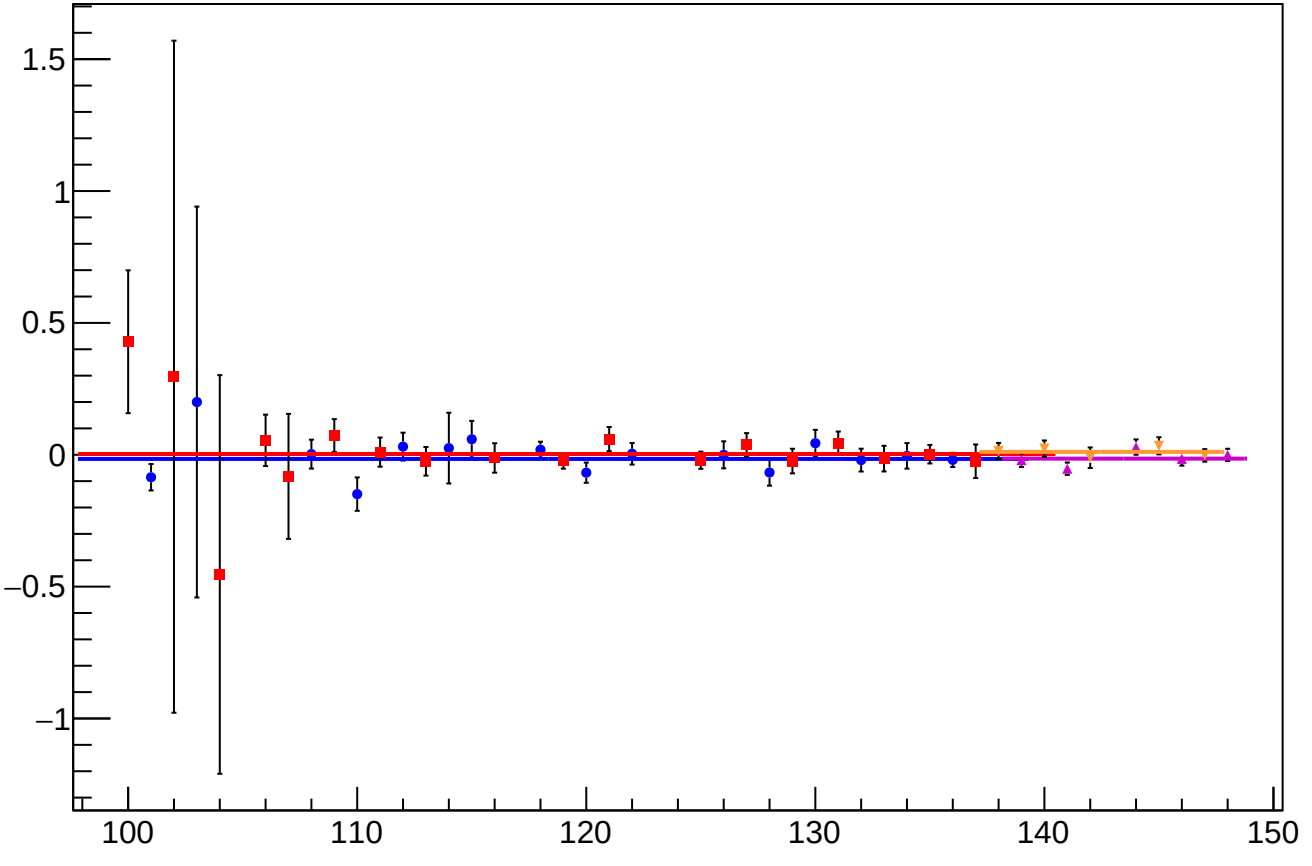
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 24.434+/-0.006 χ^2/NDF:1894201.7/20

Out: 25.360+/-0.006 χ^2/NDF:2732930.6/22

All: 24.849+/-0.004 χ^2/NDF: 4638894.4/43

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.015+/-0.011 χ^2/NDF:5.3/4

Left: -0.004+/-0.009 χ^2/NDF: 8.8/9

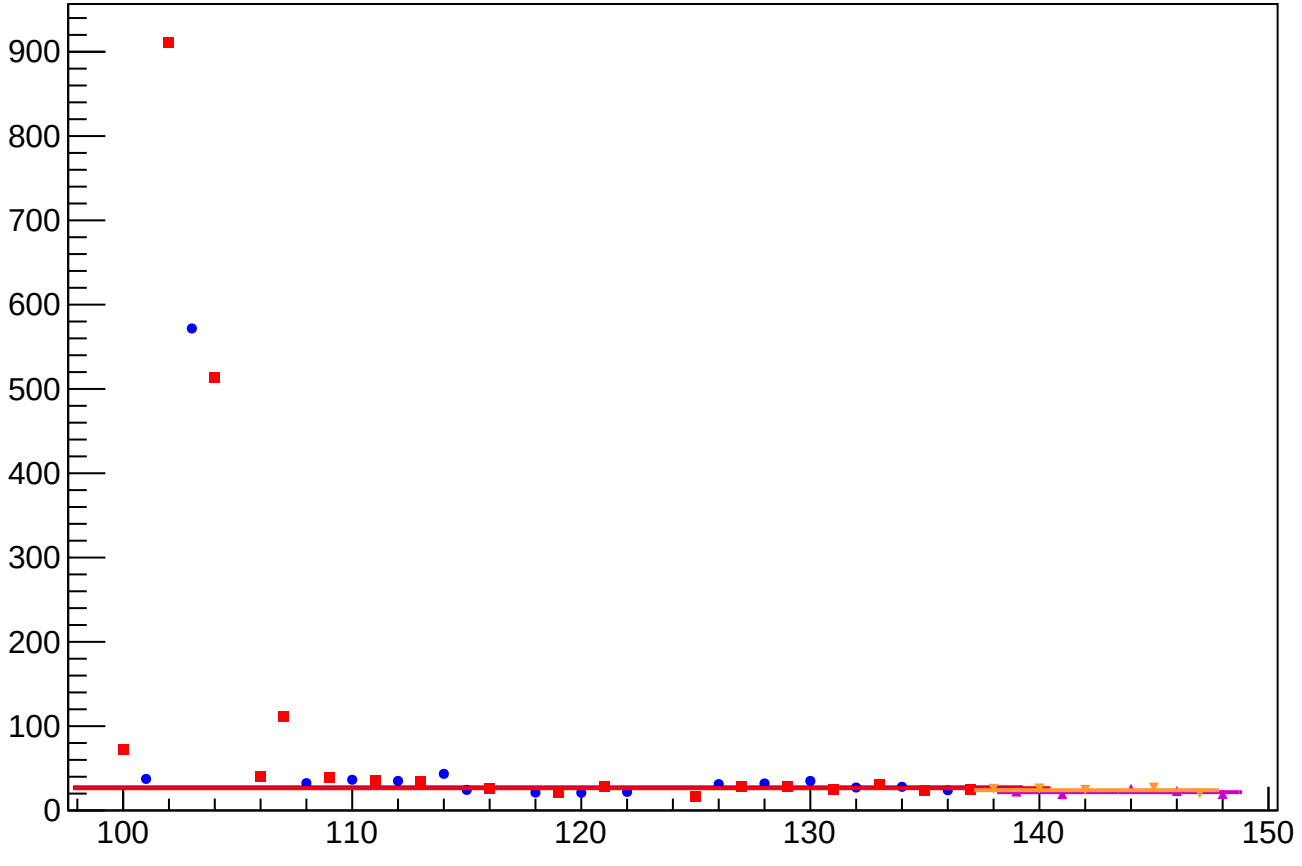
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.005+/-0.006 χ^2/NDF: 34.6/43

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 24.049+/-0.010 χ^2/NDF:84400.6/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84313.5/4

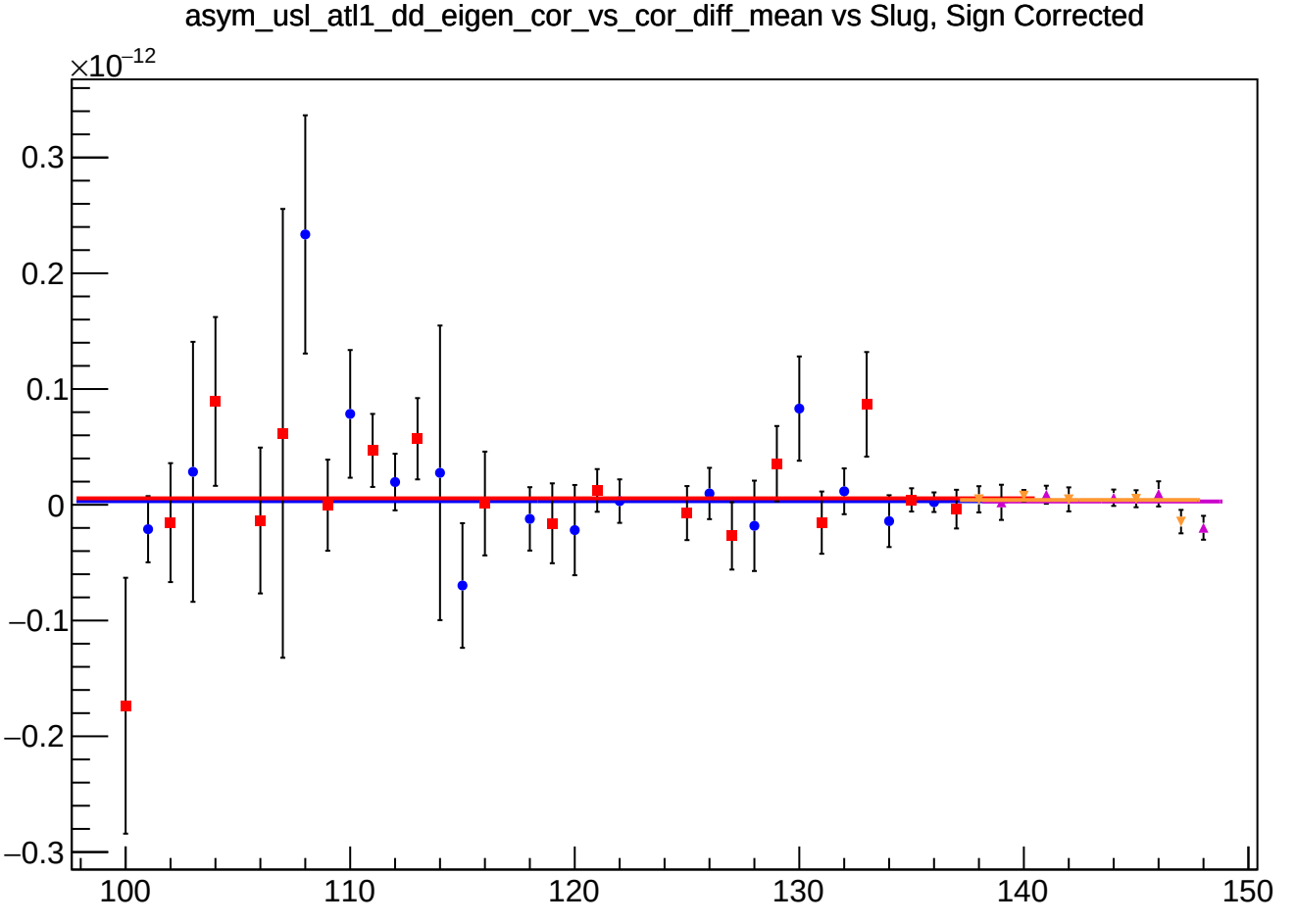
Left: 22.660+/-0.006 χ^2/NDF: 204777.3/9

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 24.434+/-0.006 χ^2/NDF:1894201.7/20

Out: 25.360+/-0.006 χ^2/NDF:2732930.6/22

All: 24.849+/-0.004 χ^2/NDF: 4638894.4/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/4

Left: 0.000+/-0.000 χ^2/NDF: 10.0/9

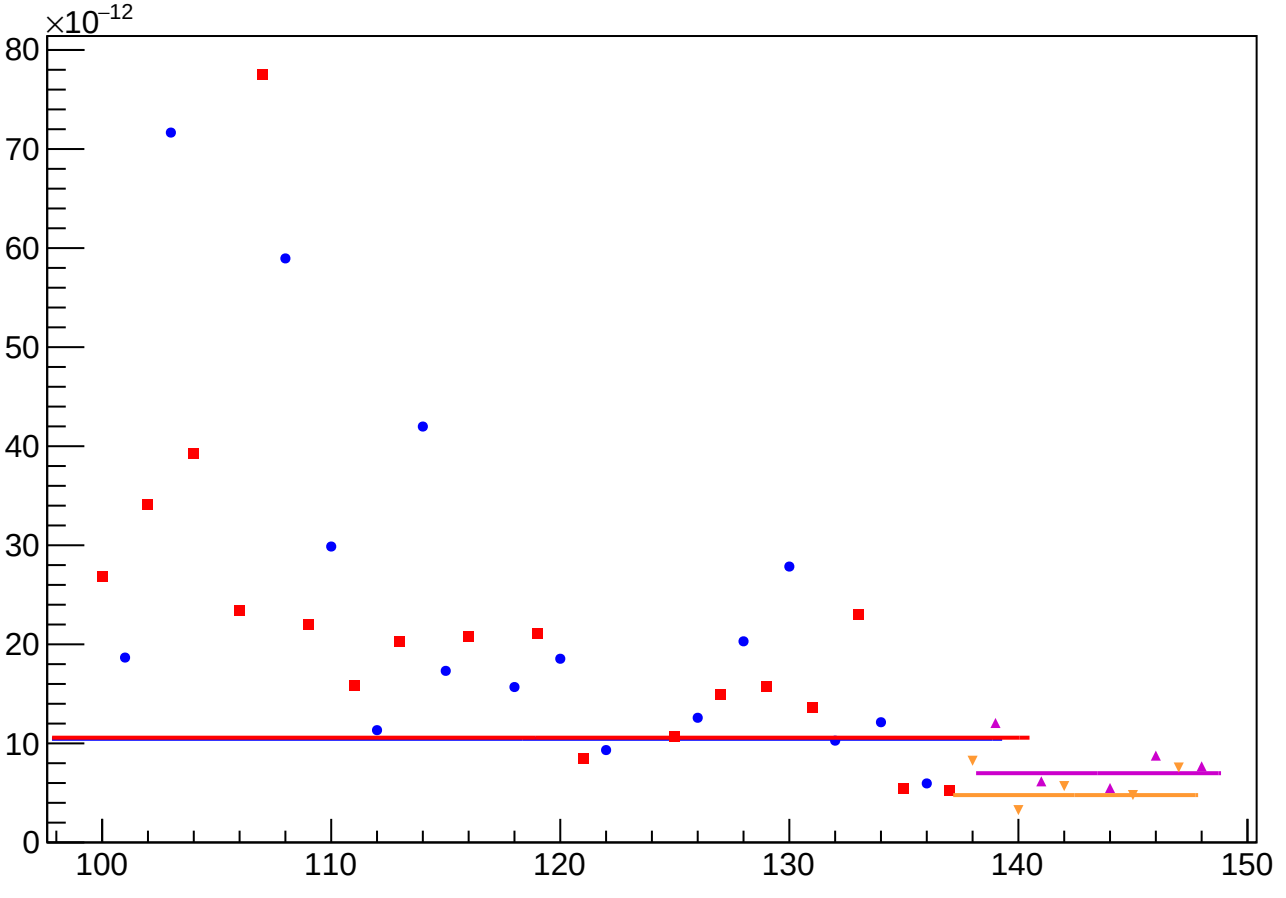
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:21.0/20

Out: 0.000+/-0.000 χ^2/NDF:19.3/22

All: 0.000+/-0.000 χ^2/NDF: 40.4/43

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:543437.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:396564.6/4

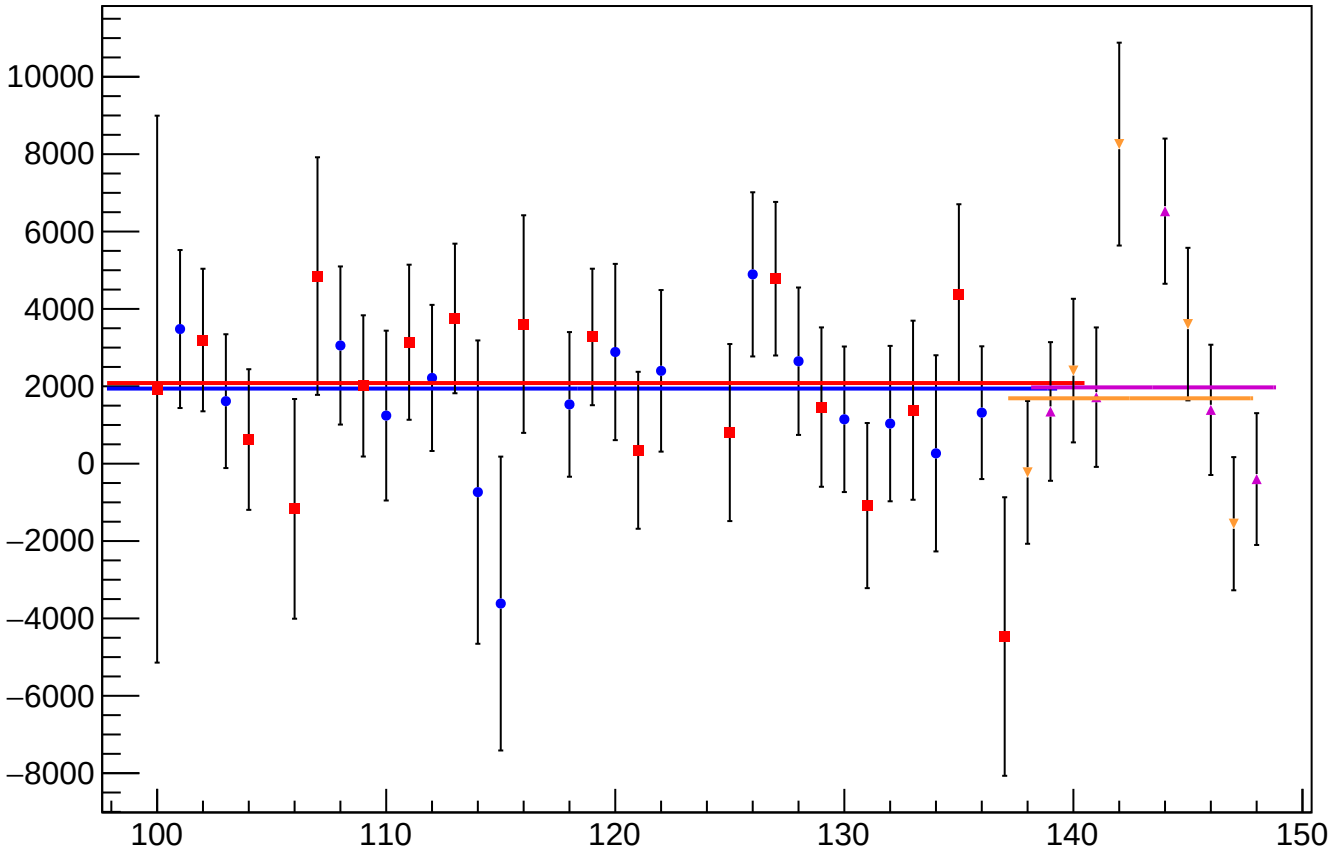
Left: 0.000+/-0.000 χ^2/NDF: 1282145.1/9

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3674001.5/20

Out: 0.000+/-0.000 χ^2/NDF:4697641.6/22

All: 0.000+/-0.000 χ^2/NDF: 8777836.8/43



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1689.997+/-868.986 χ^2/NDF:12.0/4

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 1972.084+/-790.410 χ^2/NDF:8.1/4

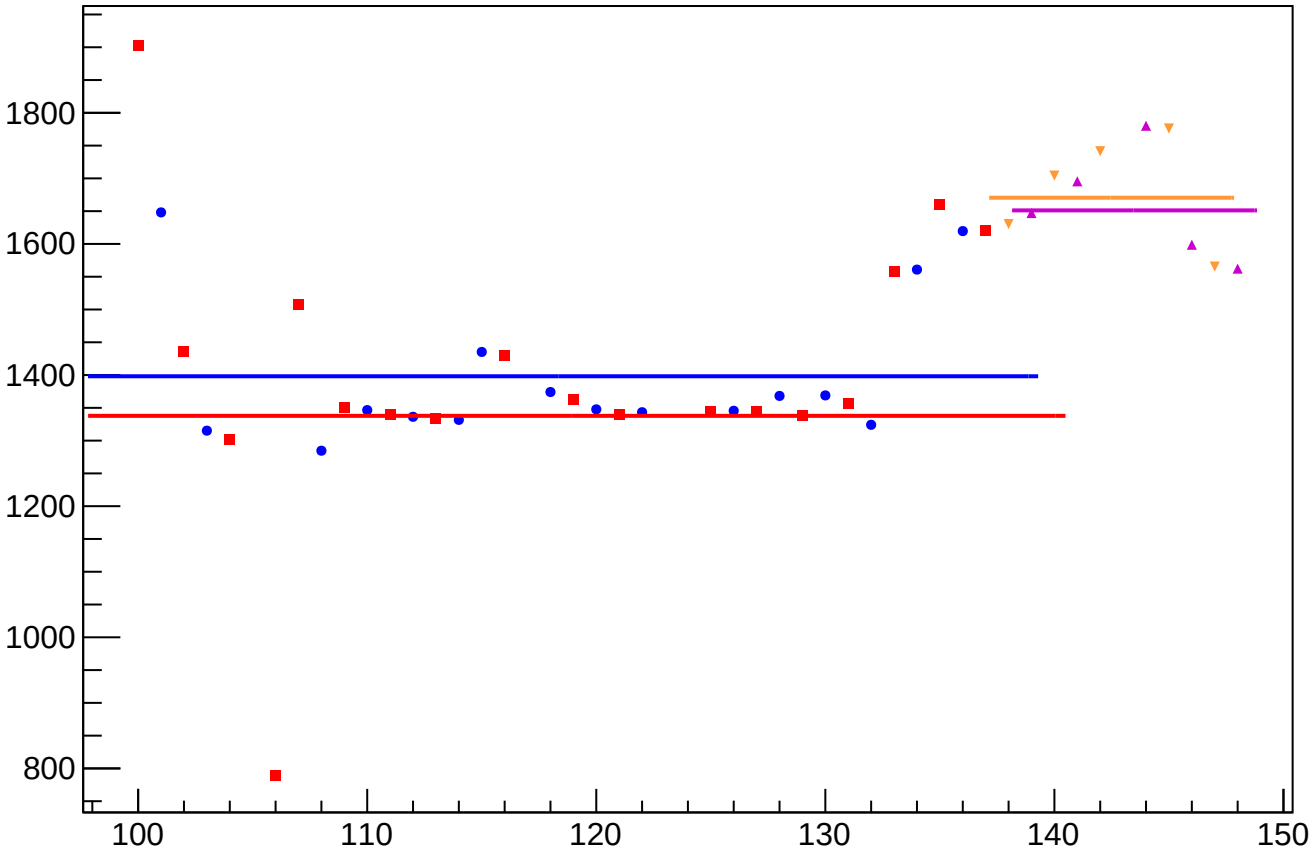
Left: 1844.368+/-584.715 χ^2/NDF: 20.1/9

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 1950.428+/-435.684 χ^2/NDF:15.0/20

Out: 1980.201+/-445.948 χ^2/NDF:26.6/22

All: 1964.968+/-311.641 χ^2/NDF: 41.6/43



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

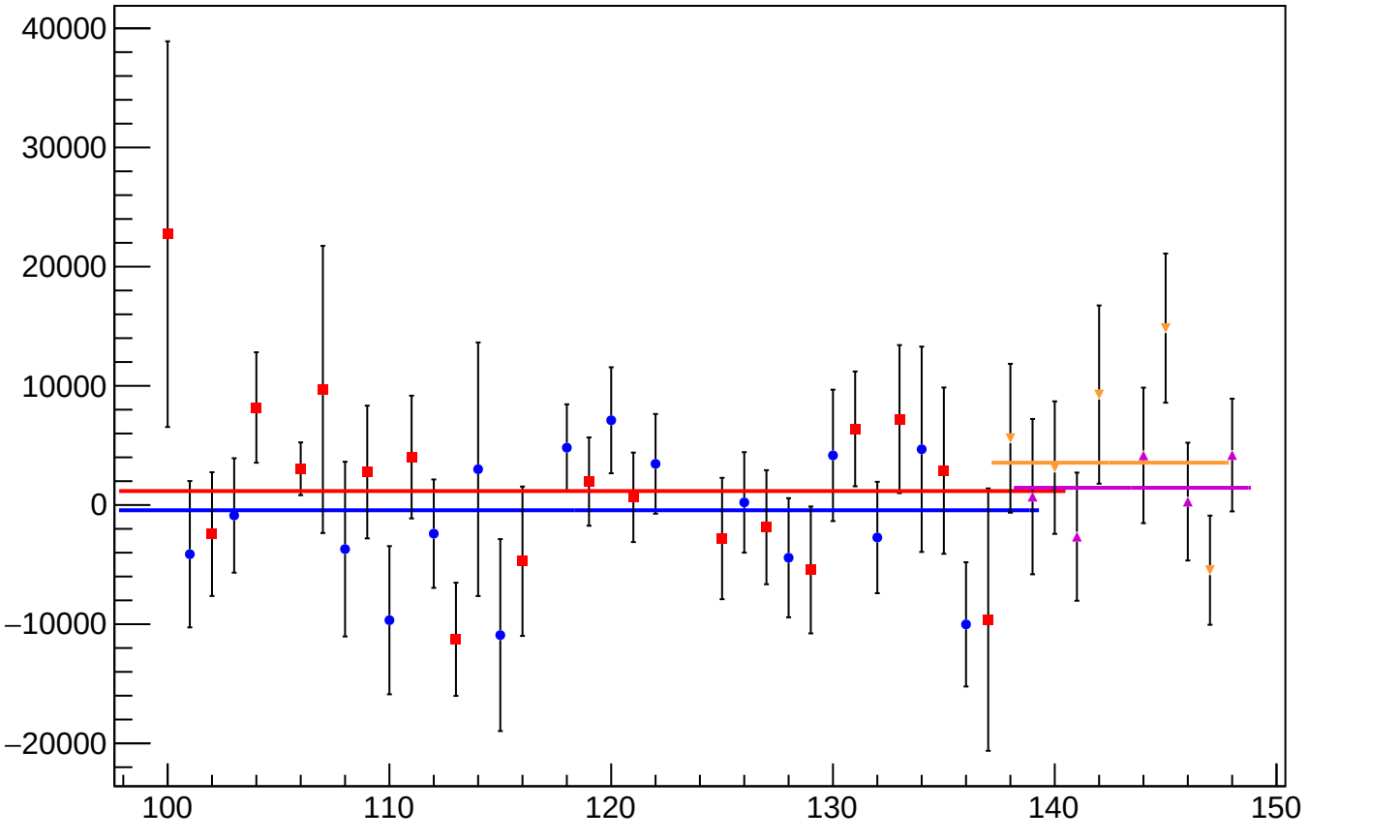
Left: 1659.926+/-0.413 χ^2/NDF: 34865.7/9

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1475.035+/-0.308 χ^2/NDF:254655.1/20

Out: 1421.393+/-0.308 χ^2/NDF:553521.7/22

All: 1448.205+/-0.218 χ^2/NDF: 823340.8/43



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 3551.904+/-2590.076 χ^2/NDF:7.8/4

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1445.063+/-2392.081 χ^2/NDF:1.2/4

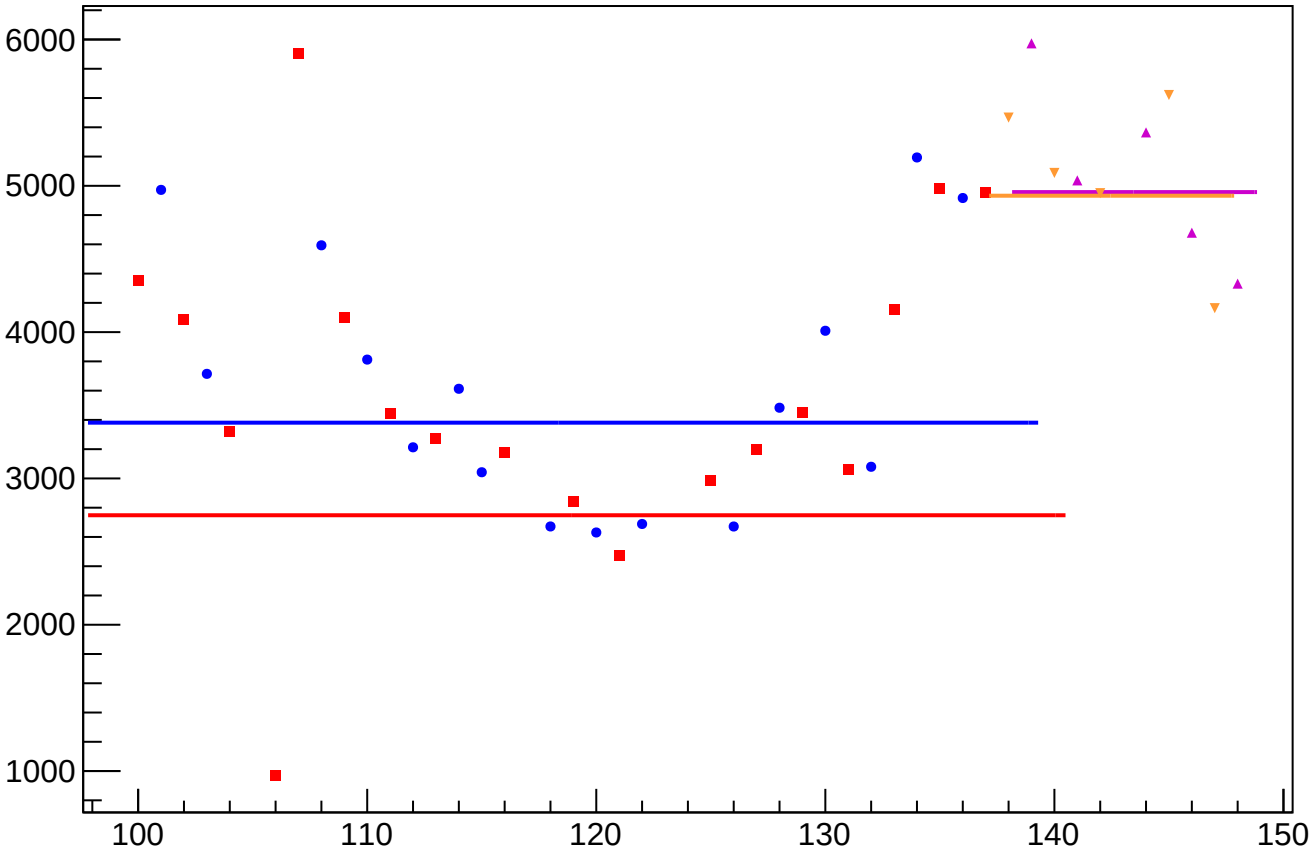
Left: 2414.888+/-1757.290 χ^2/NDF: 9.4/9

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -13.156+/-1139.448 χ^2/NDF:17.6/20

Out: 1546.465+/-1027.919 χ^2/NDF:28.2/22

All: 846.697+/-763.241 χ^2/NDF: 46.8/43



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4932.359+/-1.831 χ^2/NDF:96720.7/4

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 4957.111+/-1.691 χ^2/NDF:100745.8/4

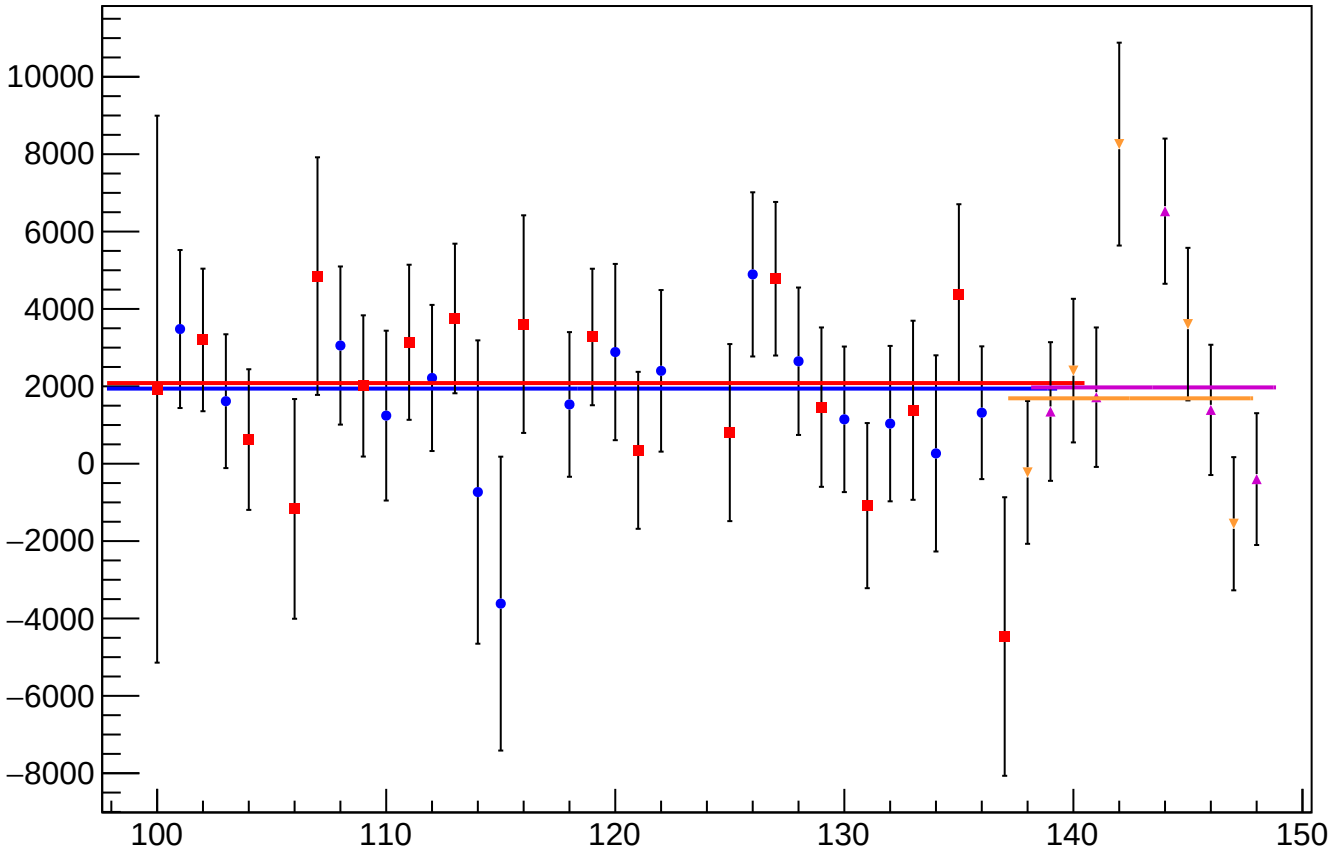
Left: 4945.717+/-1.243 χ^2/NDF: 197565.1/9

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3738.712+/-0.806 χ^2/NDF:1529046.7/20

Out: 3092.360+/-0.727 χ^2/NDF:3559328.3/22

All: 3382.364+/-0.540 χ^2/NDF: 5443176.5/43



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1690.200+/-868.986 χ^2/NDF:12.0/4

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1972.141+/-790.410 χ^2/NDF:8.1/4

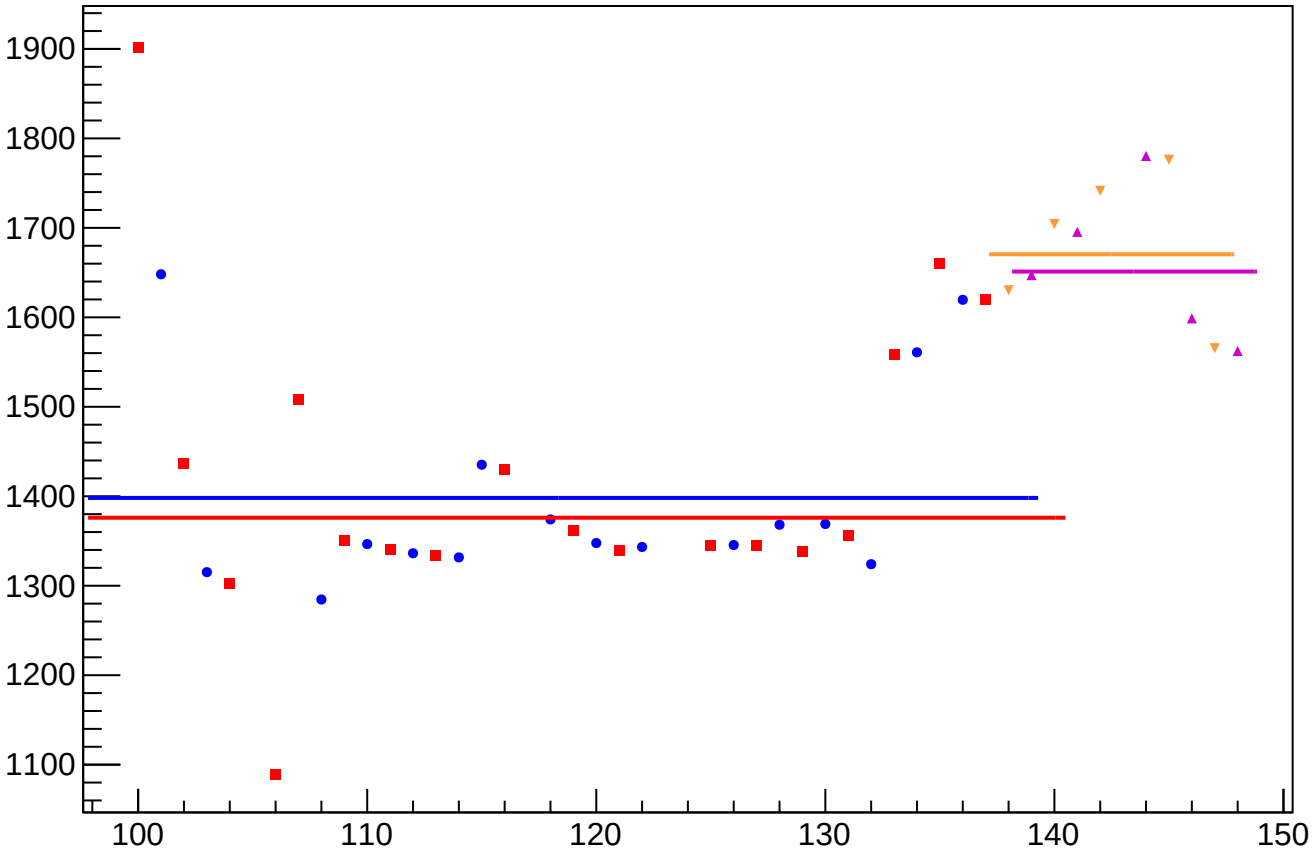
Left: 1844.491+/-584.715 χ^2/NDF: 20.1/9

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1950.483+/-435.684 χ^2/NDF:15.0/20

Out: 1980.412+/-445.950 χ^2/NDF:26.6/22

All: 1965.099+/-311.641 χ^2/NDF: 41.6/43



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

Left: 1659.926+/-0.413 χ^2/NDF: 34865.7/9

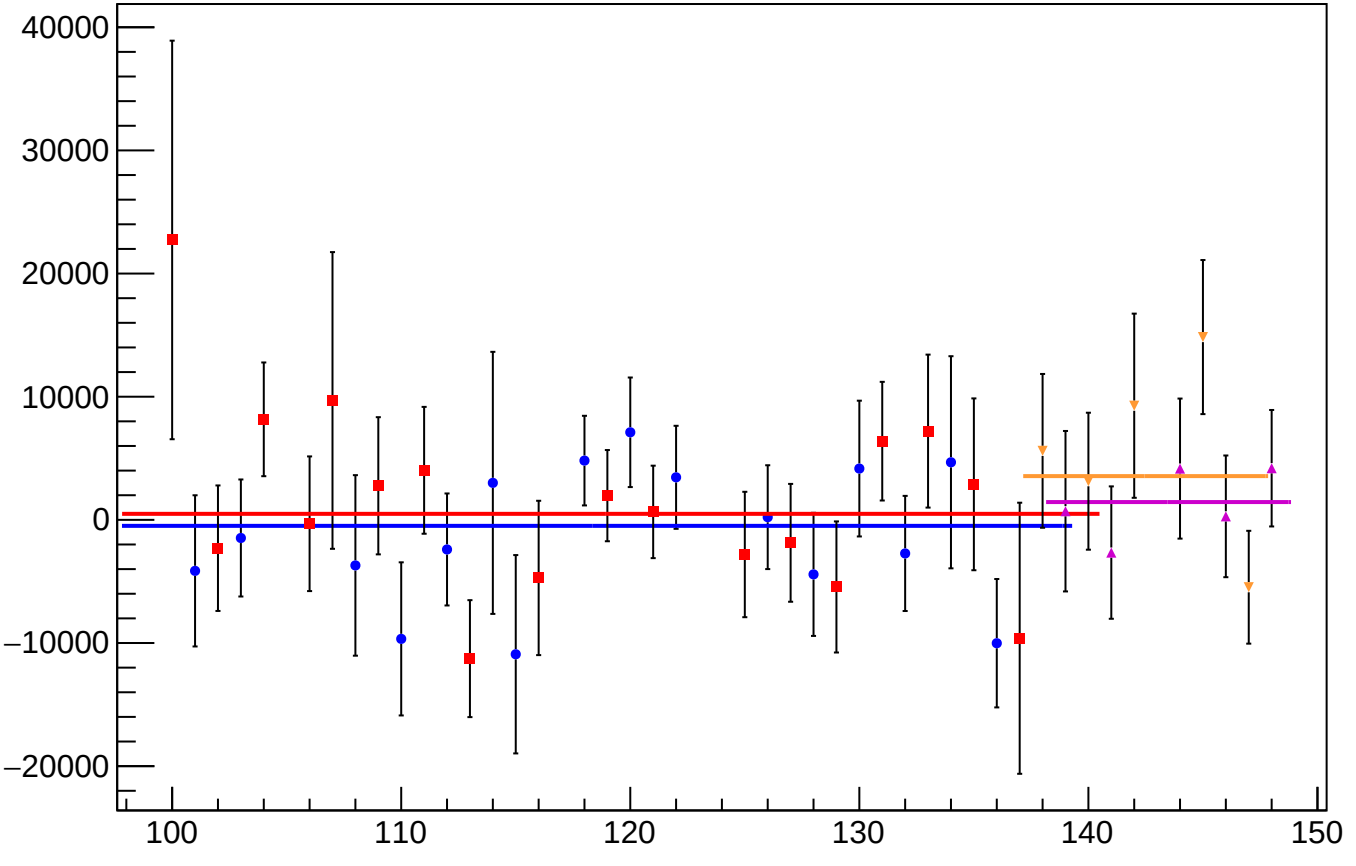
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1475.035+/-0.308 χ^2/NDF:254655.2/20

Out: 1452.056+/-0.312 χ^2/NDF:300671.3/22

All: 1463.700+/-0.219 χ^2/NDF: 558070.9/43

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3552.027+/-2590.079 χ^2/NDF:7.8/4

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1445.055+/-2392.079 χ^2/NDF:1.2/4

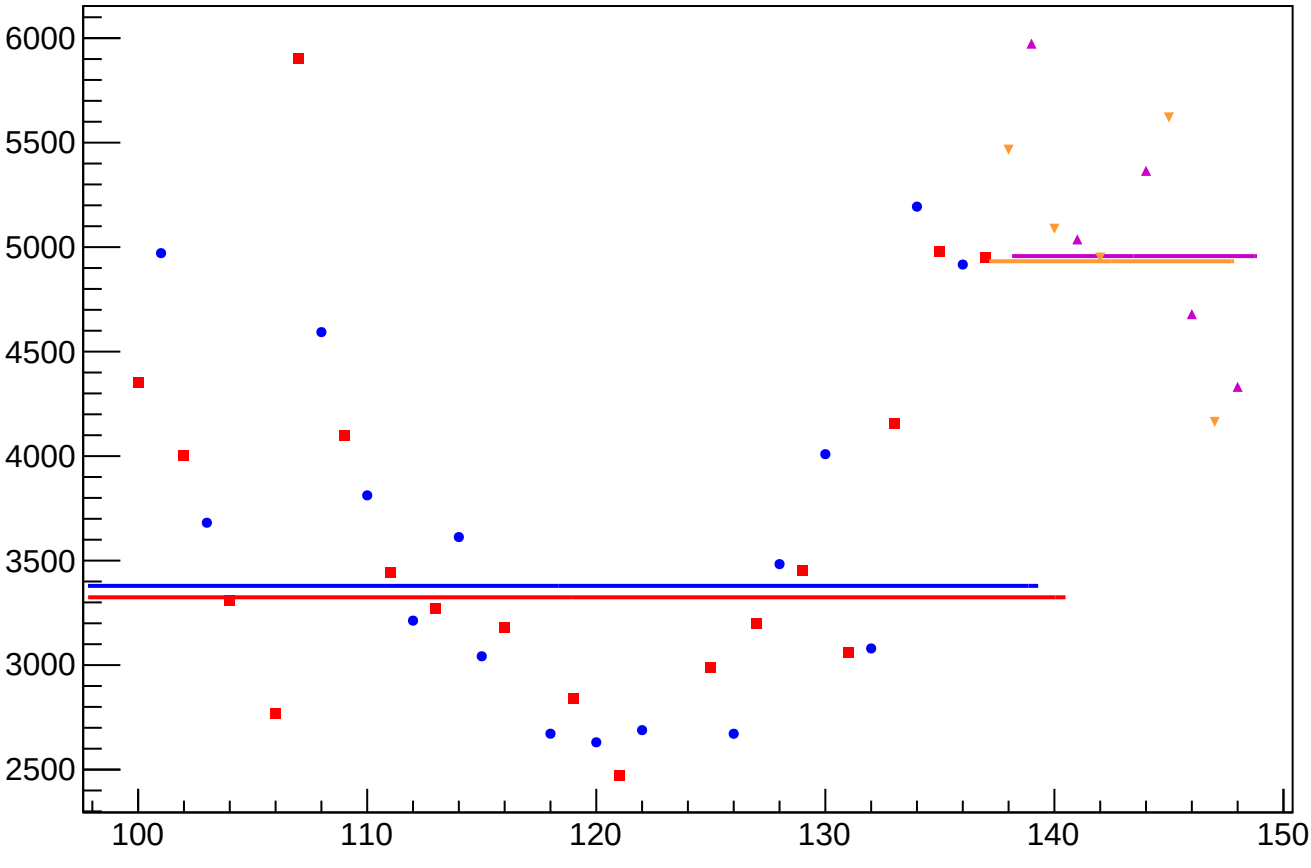
Left: 2414.938+/-1757.289 χ^2/NDF: 9.4/9

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -48.791+/-1138.777 χ^2/NDF:17.7/20

Out: 1075.823+/-1133.999 χ^2/NDF:27.7/22

All: 515.880+/-803.542 χ^2/NDF: 45.8/43



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4932.366+/-1.831 χ^2/NDF:96718.3/4

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

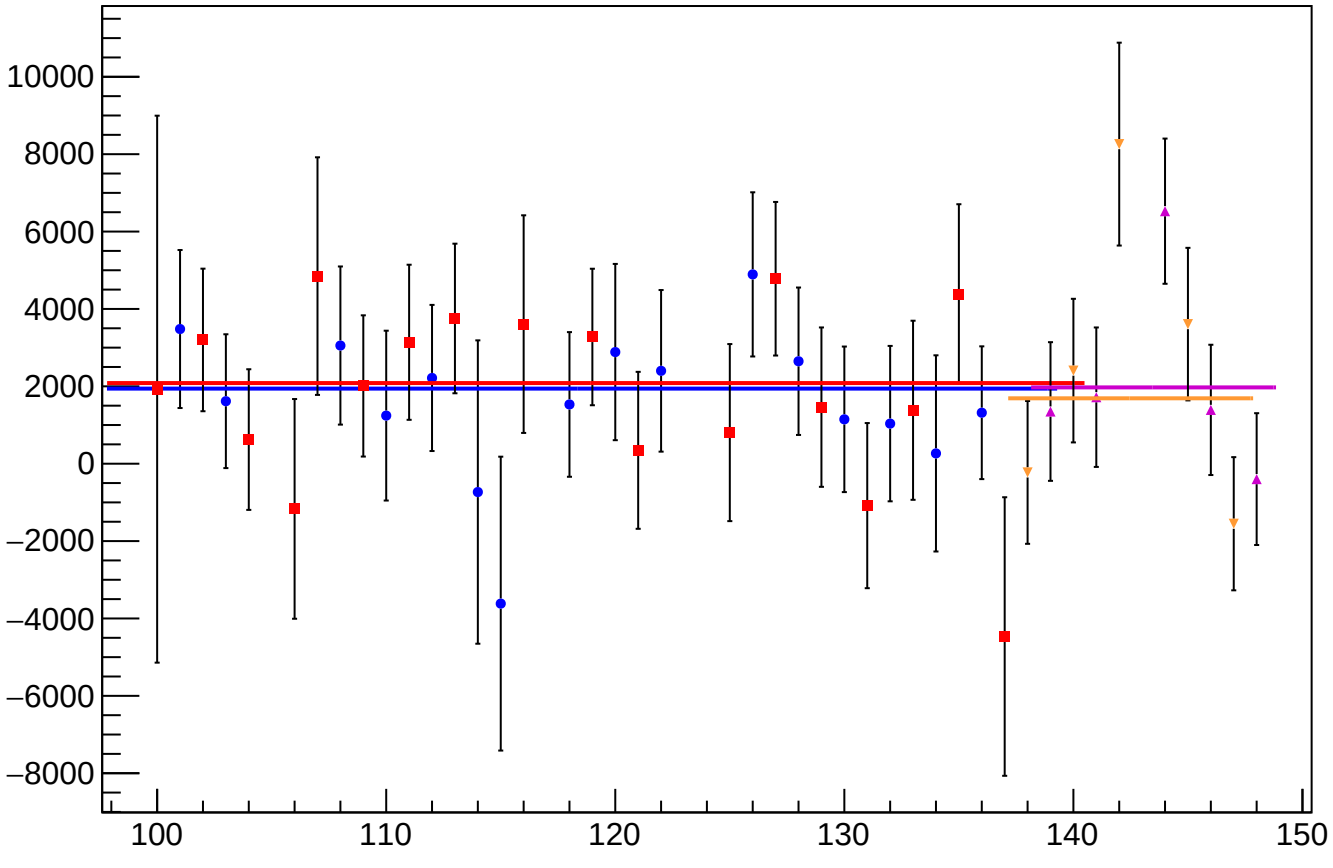
Left: 4945.718+/-1.243 χ^2/NDF: 197562.7/9

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3736.739+/-0.805 χ^2/NDF:1529179.4/20

Out: 3632.671+/-0.802 χ^2/NDF:1263561.5/22

All: 3684.486+/-0.568 χ^2/NDF: 2801127.5/43



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1690.200+/-868.986 χ^2/NDF:12.0/4

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1972.141+/-790.410 χ^2/NDF:8.1/4

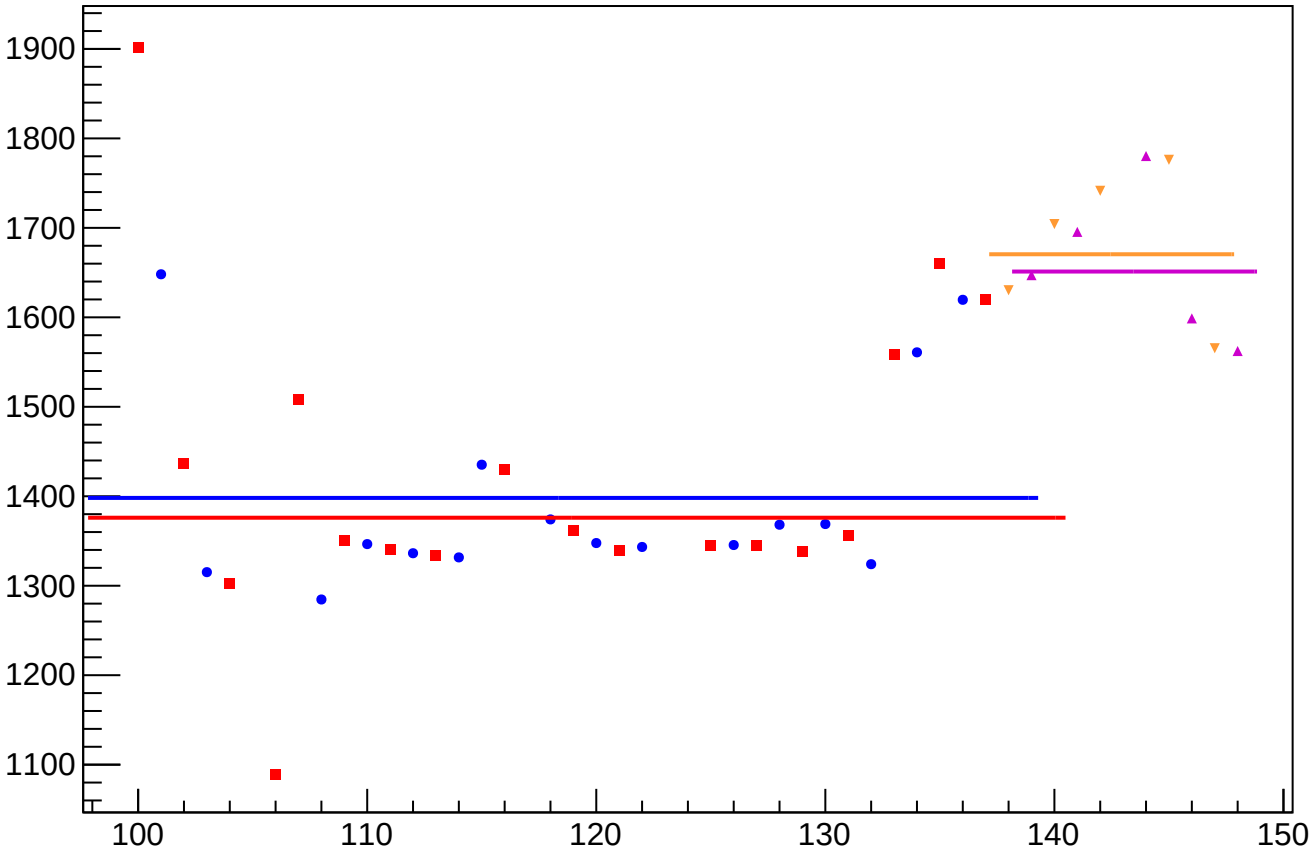
Left: 1844.491+/-584.715 χ^2/NDF: 20.1/9

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1950.483+/-435.684 χ^2/NDF:15.0/20

Out: 1980.412+/-445.950 χ^2/NDF:26.6/22

All: 1965.099+/-311.641 χ^2/NDF: 41.6/43



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

Left: 1659.926+/-0.413 χ^2/NDF: 34865.7/9

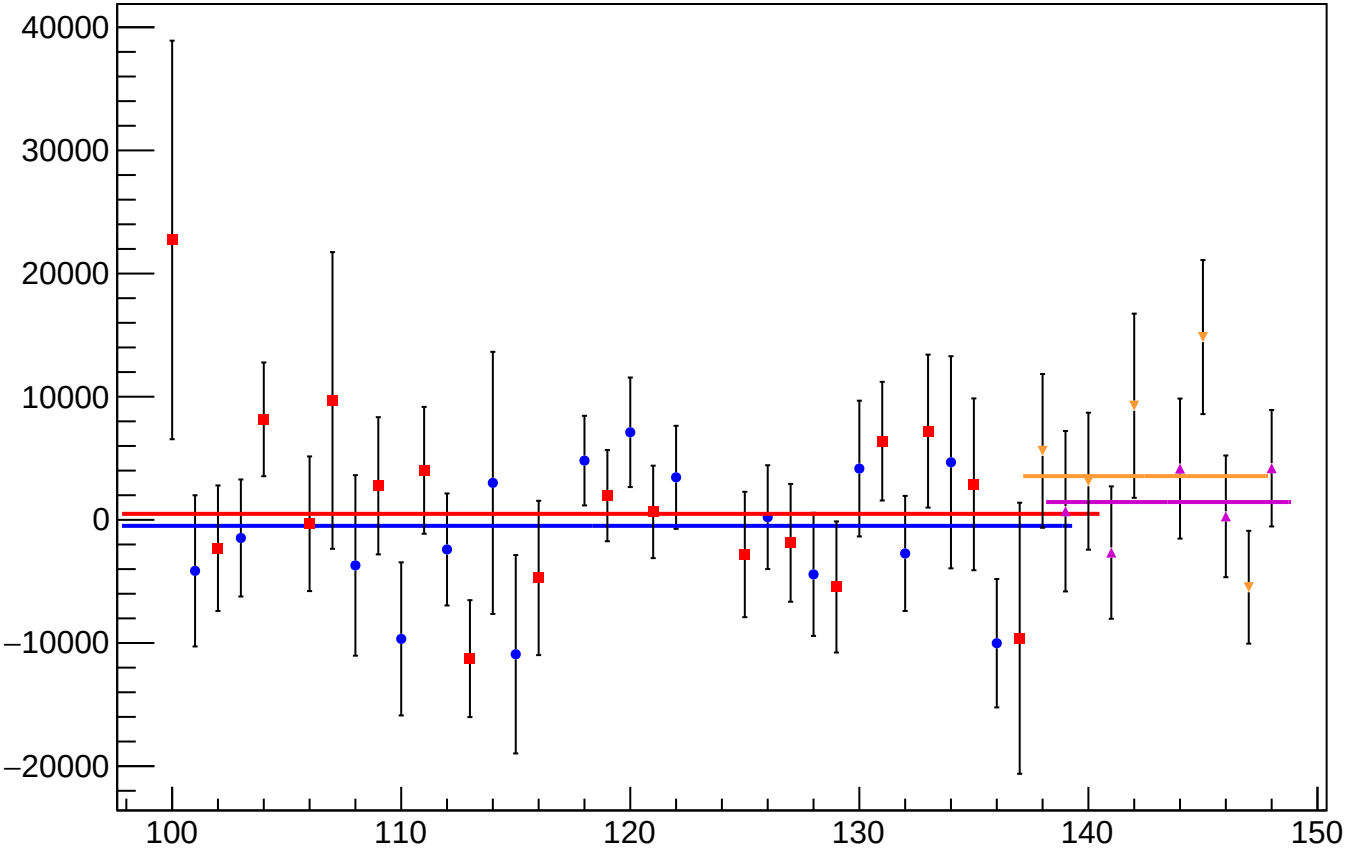
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1475.035+/-0.308 χ^2/NDF:254655.2/20

Out: 1452.056+/-0.312 χ^2/NDF:300671.3/22

All: 1463.700+/-0.219 χ^2/NDF: 558070.9/43

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: 3552.027+/-2590.079 χ^2/NDF:7.8/4

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1445.055+/-2392.079 χ^2/NDF:1.2/4

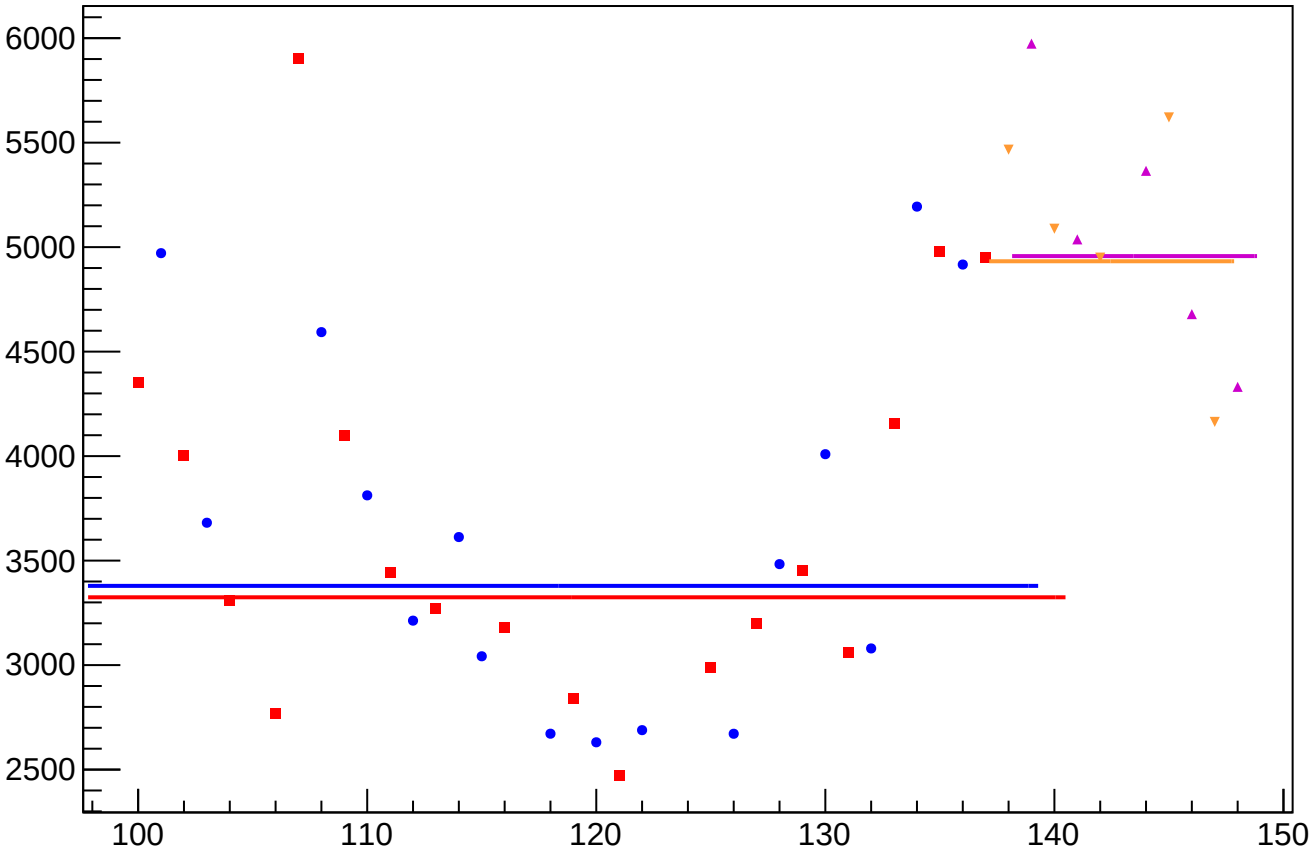
Left: 2414.938+/-1757.289 χ^2/NDF: 9.4/9

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -48.791+/-1138.777 χ^2/NDF:17.7/20

Out: 1075.823+/-1133.999 χ^2/NDF:27.7/22

All: 515.880+/-803.542 χ^2/NDF: 45.8/43



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4932.366+/-1.831 χ^2/NDF:96718.3/4

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

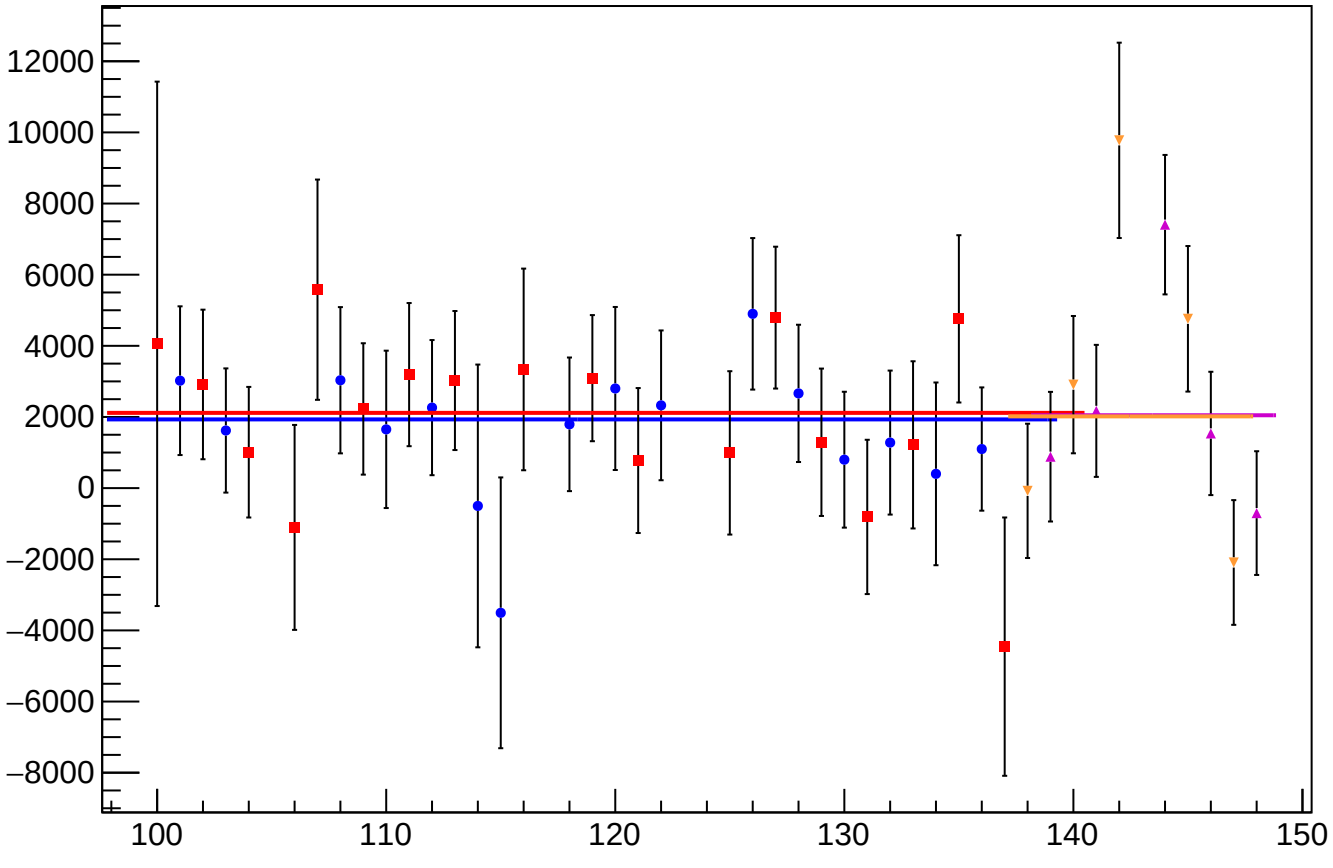
Left: 4945.718+/-1.243 χ^2/NDF: 197562.7/9

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3736.739+/-0.805 χ^2/NDF:1529179.4/20

Out: 3632.671+/-0.802 χ^2/NDF:1263561.5/22

All: 3684.486+/-0.568 χ^2/NDF: 2801127.5/43



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 2016.677+/-895.888 χ^2/NDF:16.7/4

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2048.155+/-812.389 χ^2/NDF:10.5/4

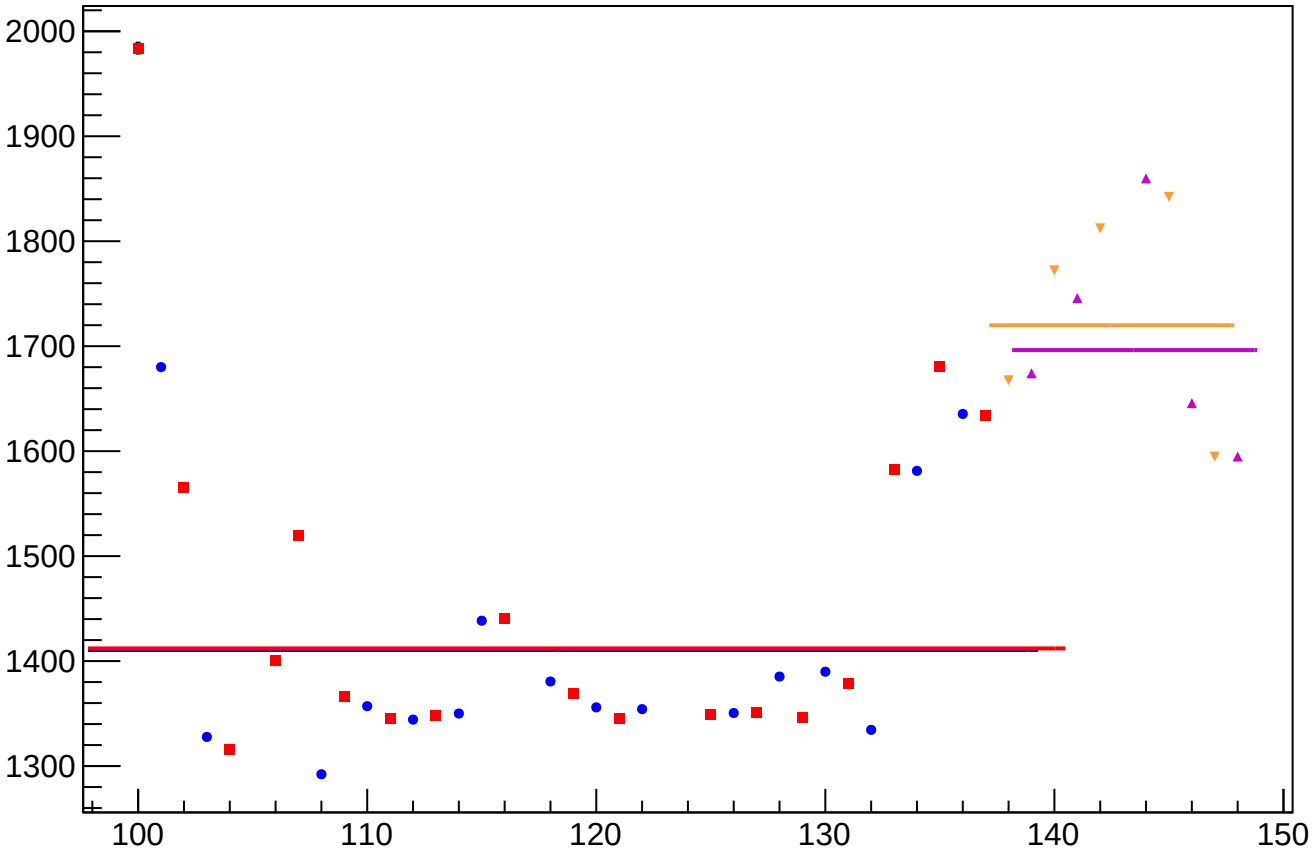
Left: 2033.951+/-601.806 χ^2/NDF: 27.2/9

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1966.089+/-442.201 χ^2/NDF:16.9/20

Out: 2089.739+/-455.390 χ^2/NDF:29.9/22

All: 2026.098+/-317.244 χ^2/NDF: 46.8/43



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1719.930+/-0.633 χ^2/NDF:22620.4/4

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1696.293+/-0.574 χ^2/NDF:24152.4/4

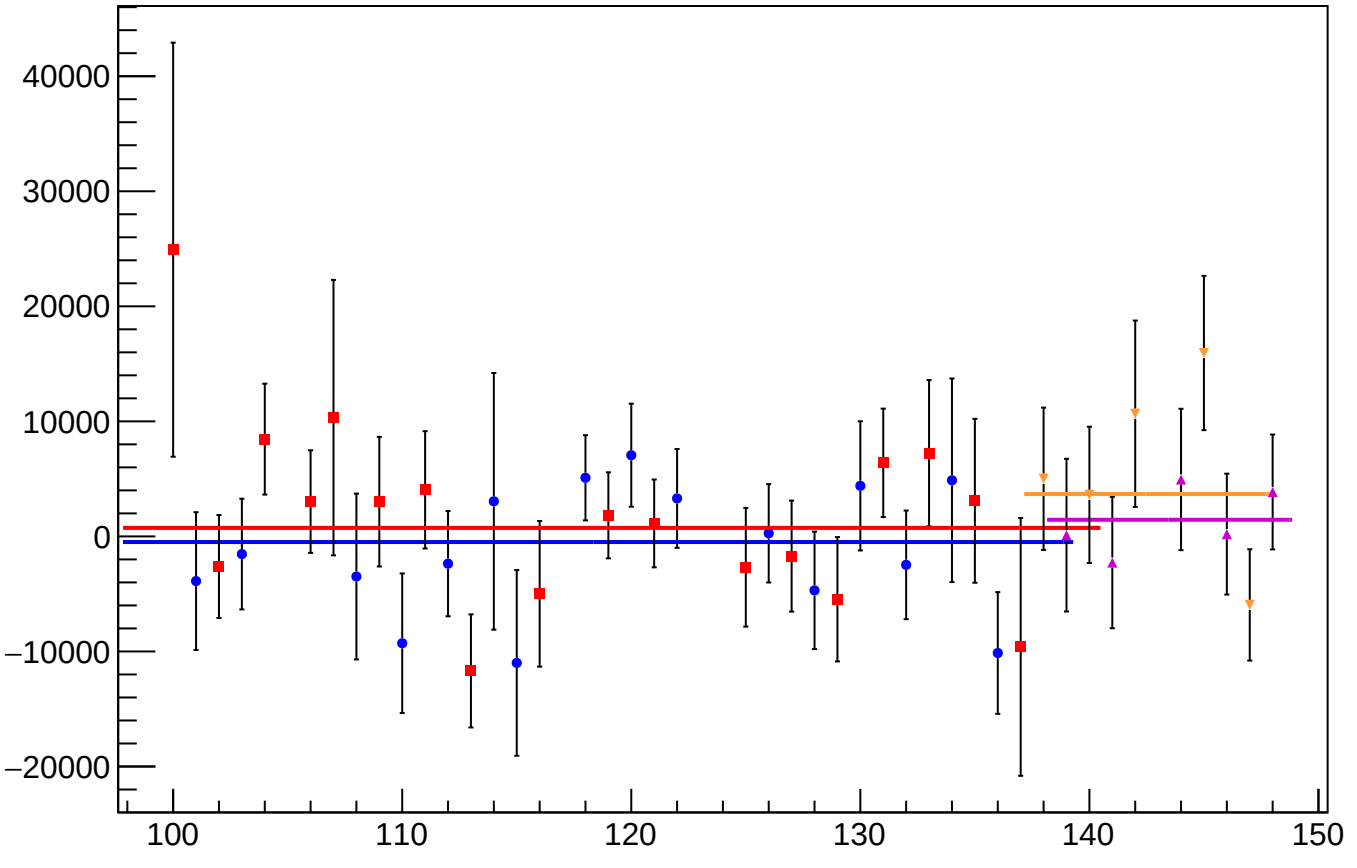
Left: 1706.959+/-0.426 χ^2/NDF: 47536.9/9

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1495.244+/-0.313 χ^2/NDF:297367.4/20

Out: 1491.284+/-0.321 χ^2/NDF:287741.5/22

All: 1493.318+/-0.224 χ^2/NDF: 585186.9/43



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 3685.378+/-2723.437 χ^2/NDF:8.1/4

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1446.156+/-2529.911 χ^2/NDF:1.1/4

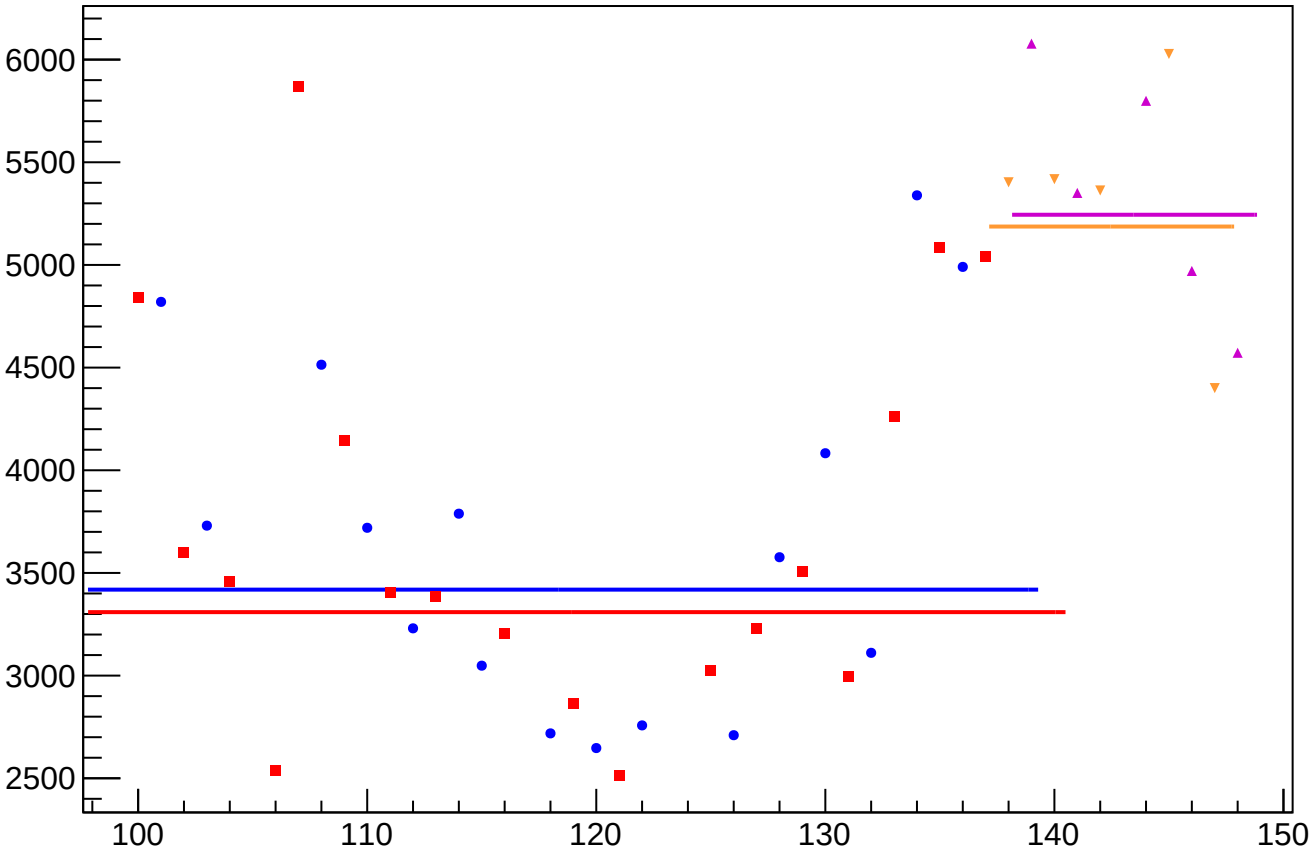
Left: 2483.389+/-1853.561 χ^2/NDF: 9.5/9

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -80.807+/-1162.381 χ^2/NDF:17.4/20

Out: 1251.611+/-1134.512 χ^2/NDF:28.3/22

All: 601.566+/-811.895 χ^2/NDF: 46.3/43



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5186.949+/-1.926 χ^2/NDF:90650.6/4

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5244.384+/-1.789 χ^2/NDF:90227.8/4

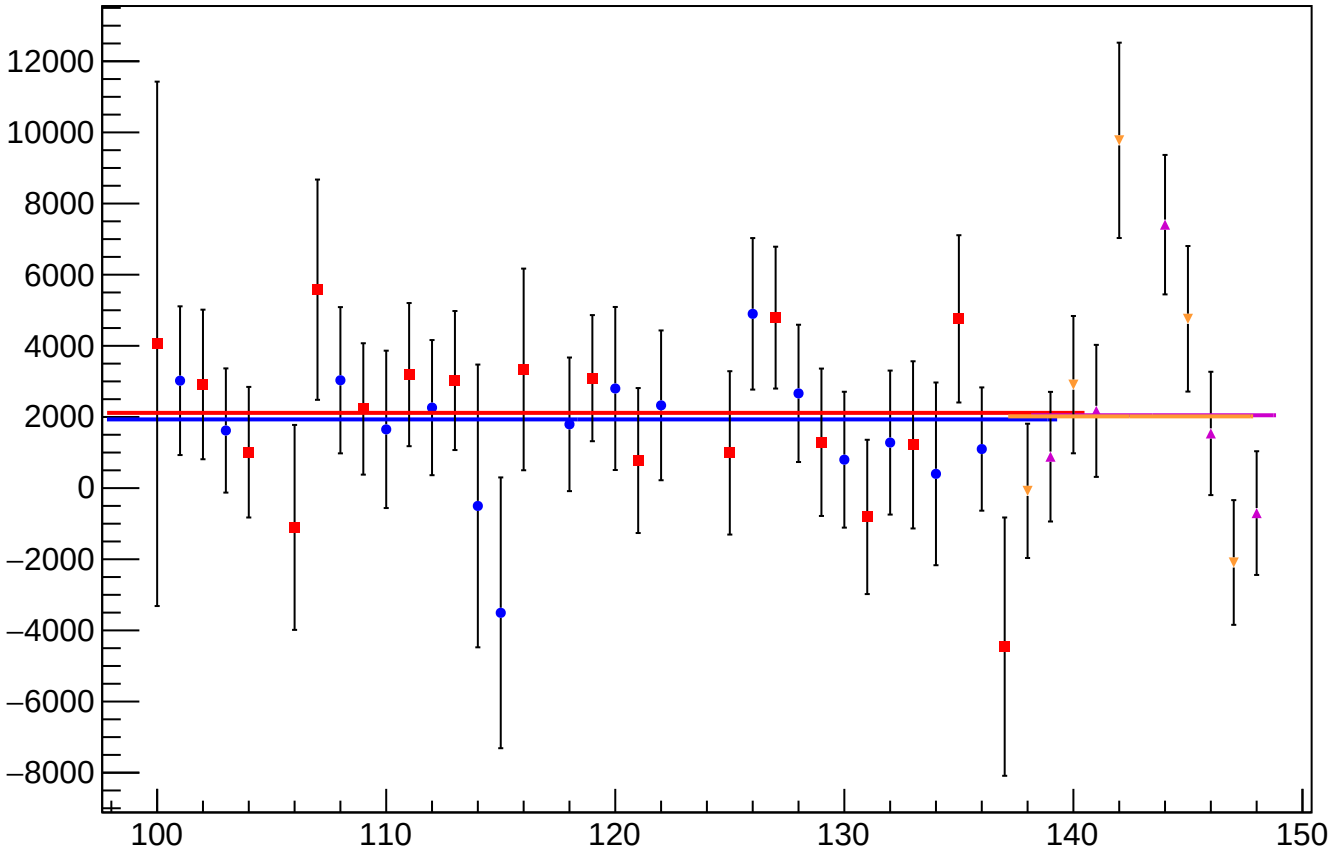
Left: 5217.780+/-1.311 χ^2/NDF: 181355.8/9

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3804.101+/-0.822 χ^2/NDF:1633104.7/20

Out: 3634.980+/-0.802 χ^2/NDF:1448435.1/22

All: 3717.489+/-0.574 χ^2/NDF: 3103222.4/43



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 2016.686+/-895.889 χ^2/NDF:16.7/4

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2048.156+/-812.390 χ^2/NDF:10.5/4

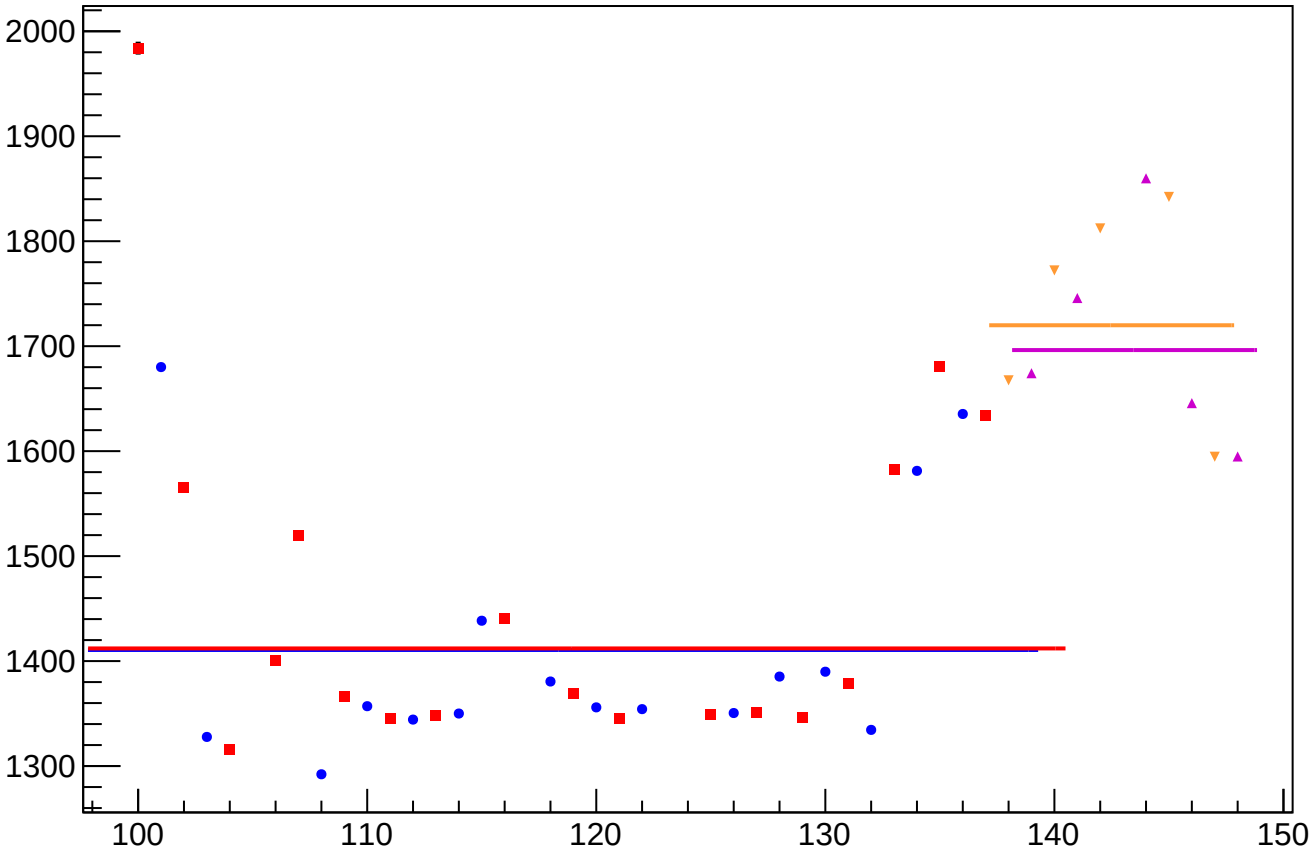
Left: 2033.956+/-601.806 χ^2/NDF: 27.2/9

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1966.090+/-442.202 χ^2/NDF:16.9/20

Out: 2089.742+/-455.390 χ^2/NDF:29.9/22

All: 2026.100+/-317.244 χ^2/NDF: 46.8/43



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1719.931+/-0.633 χ^2/NDF:22621.0/4

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1696.294+/-0.574 χ^2/NDF:24152.8/4

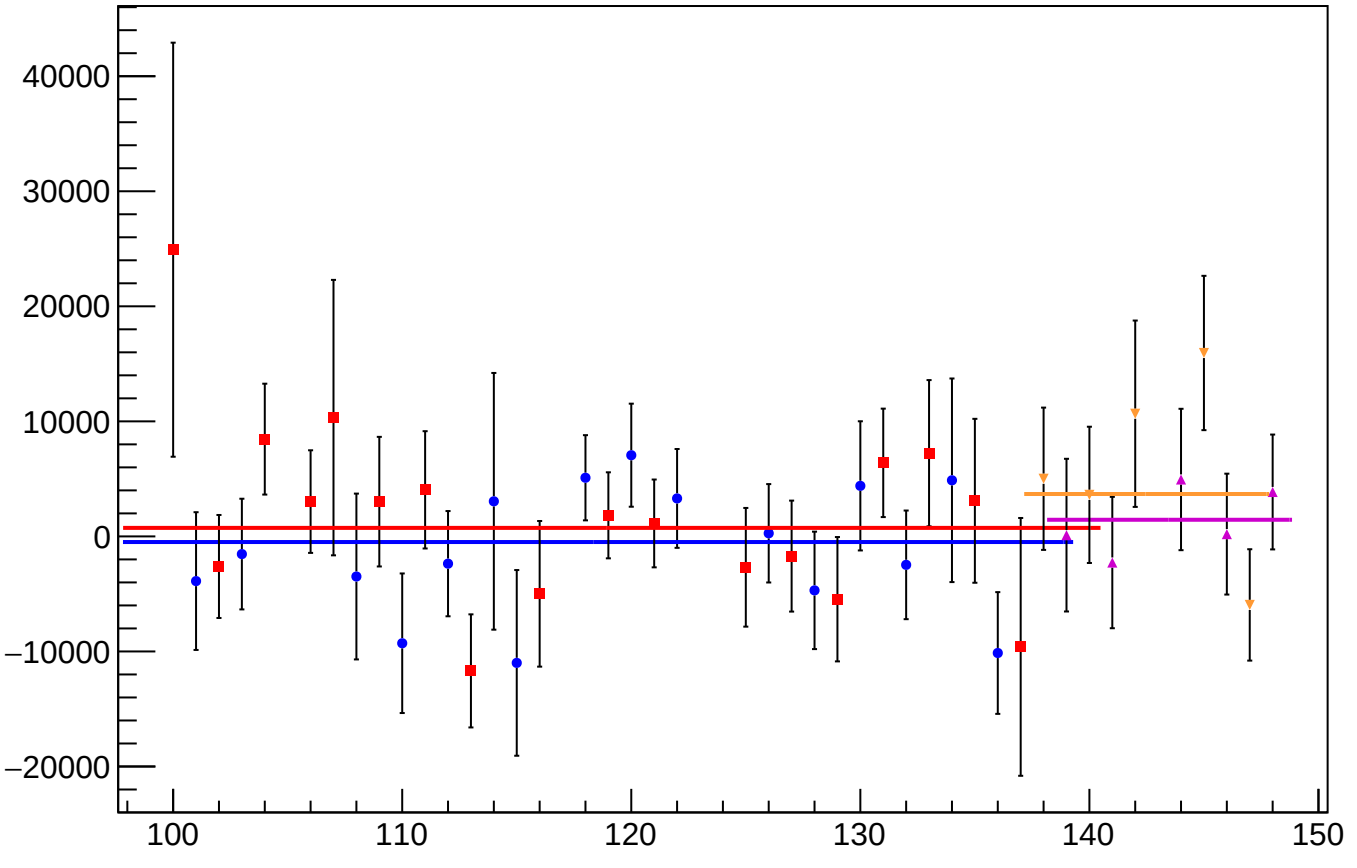
Left: 1706.960+/-0.426 χ^2/NDF: 47537.8/9

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1495.244+/-0.313 χ^2/NDF:297369.0/20

Out: 1491.284+/-0.321 χ^2/NDF:287743.6/22

All: 1493.318+/-0.224 χ^2/NDF: 585190.6/43



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 3685.376+/-2723.442 χ^2/NDF:8.1/4

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1446.157+/-2529.915 χ^2/NDF:1.1/4

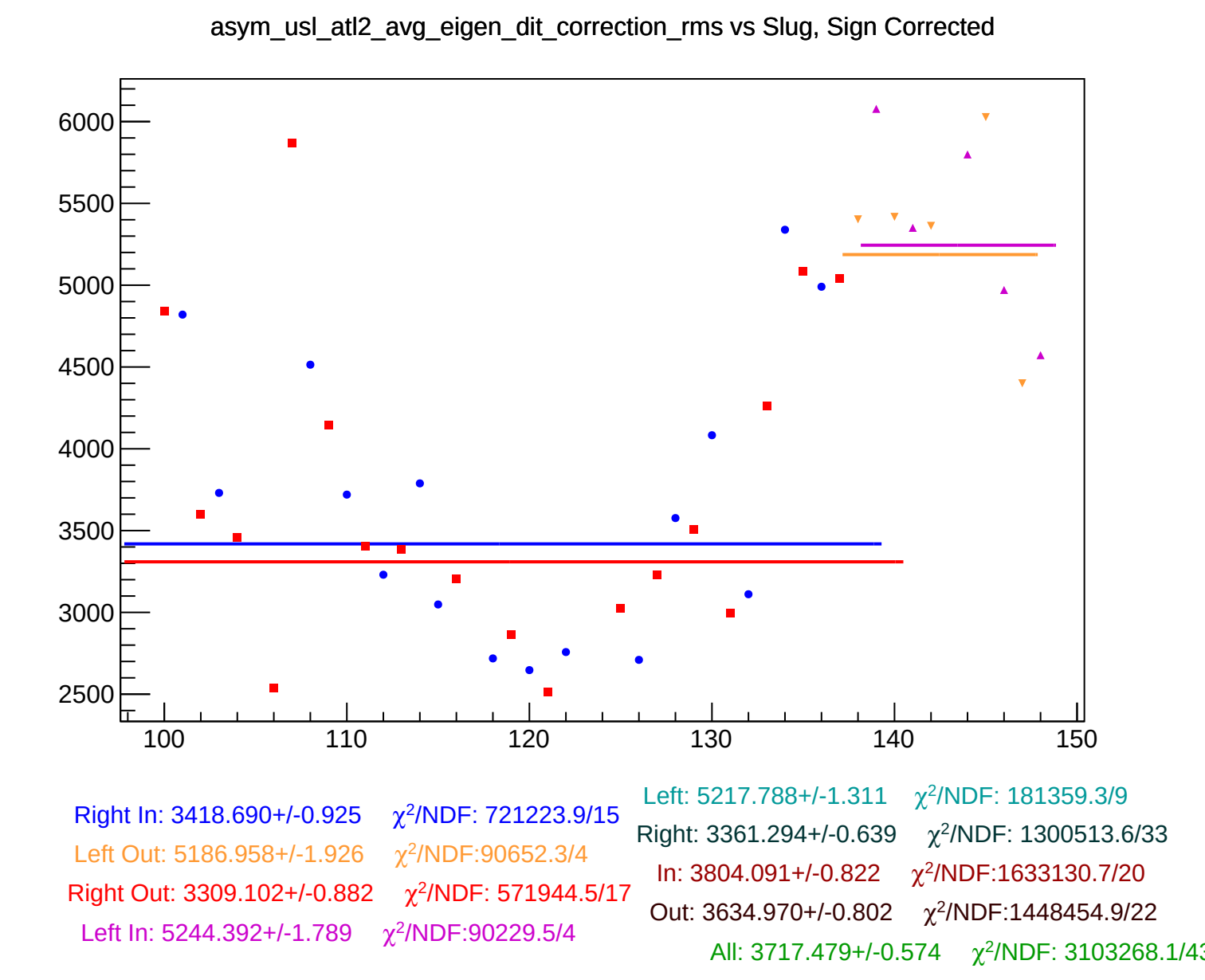
Left: 2483.388+/-1853.564 χ^2/NDF: 9.5/9

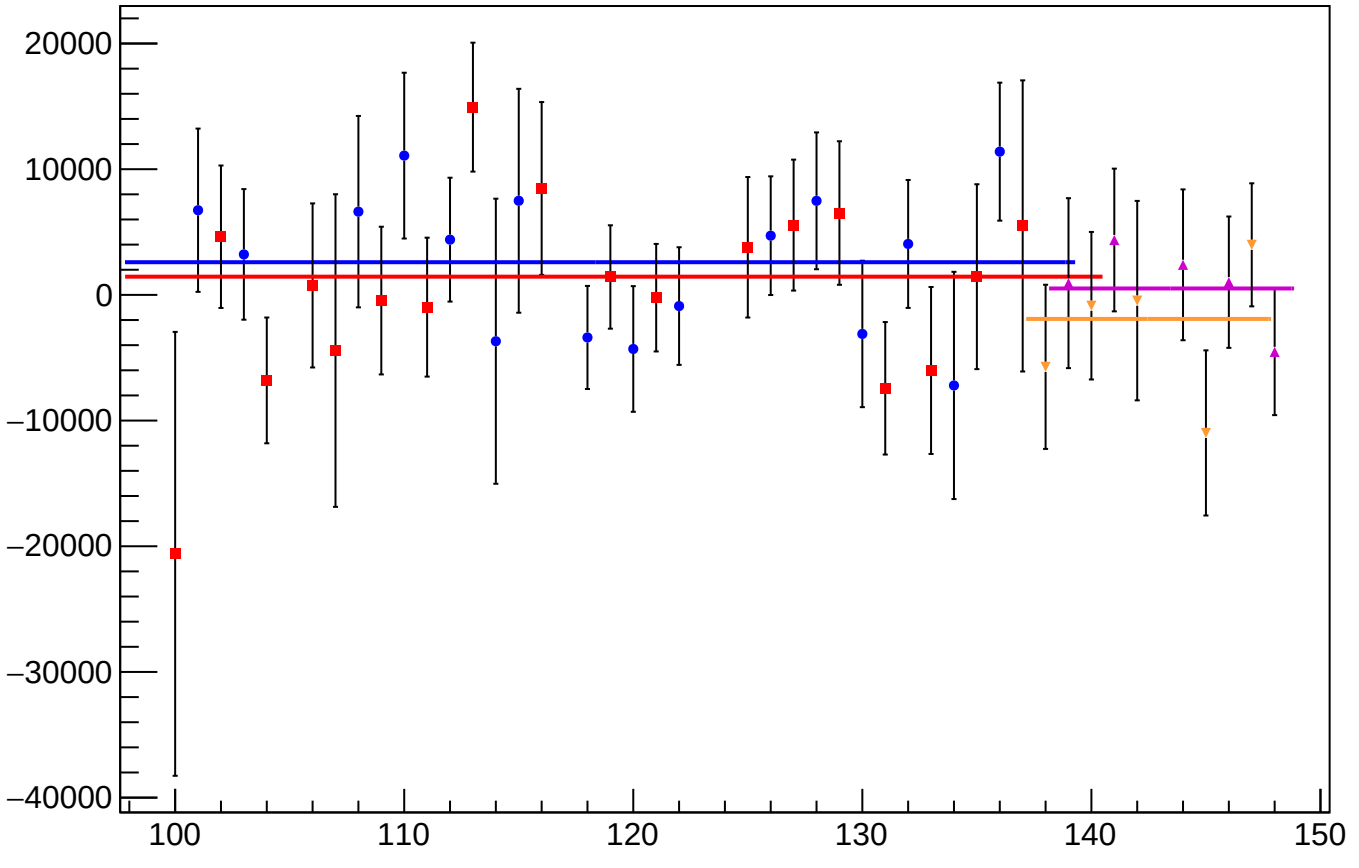
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -80.804+/-1162.379 χ^2/NDF:17.4/20

Out: 1251.609+/-1134.509 χ^2/NDF:28.3/22

All: 601.567+/-811.893 χ^2/NDF: 46.3/43


asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
100
110
120
130
140
150
Right In: 3418.690+/-0.925 χ²/NDF: 721223.9/15
Left Out: 5186.958+/-1.926 χ²/NDF:90652.3/4
Right Out: 3309.102+/-0.882 χ²/NDF: 571944.5/17
Left In: 5244.392+/-1.789 χ²/NDF:90229.5/4
Left: 5217.788+/-1.311 χ²/NDF: 181359.3/9
Right: 3361.294+/-0.639 χ²/NDF: 1300513.6/33
In: 3804.091+/-0.822 χ²/NDF:1633130.7/20
Out: 3634.970+/-0.802 χ²/NDF:1448454.9/22
All: 3717.479+/-0.574 χ²/NDF: 3103268.1/43



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -1911.246+/-2739.455 χ^2/NDF:3.8/4

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 510.371+/-2525.076 χ^2/NDF:1.6/4

Left: -601.990+/-1856.667 χ^2/NDF: 5.8/9

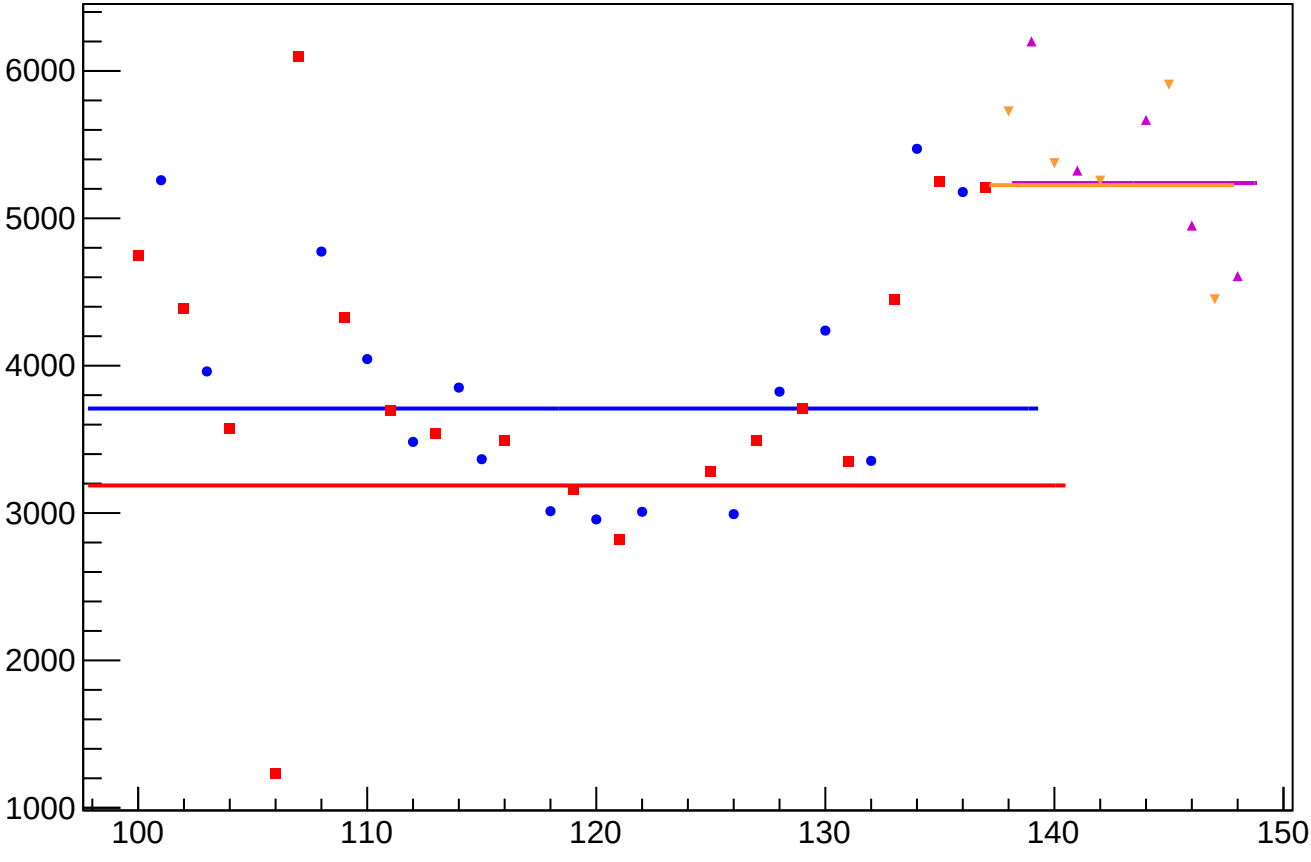
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2100.603+/-1234.063 χ^2/NDF:15.6/20

Out: 767.795+/-1234.461 χ^2/NDF:24.0/22

All: 1434.414+/-872.755 χ^2/NDF: 40.2/43

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5225.044+/-1.937 χ^2/NDF:84731.1/4

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5239.536+/-1.785 χ^2/NDF:88724.5/4

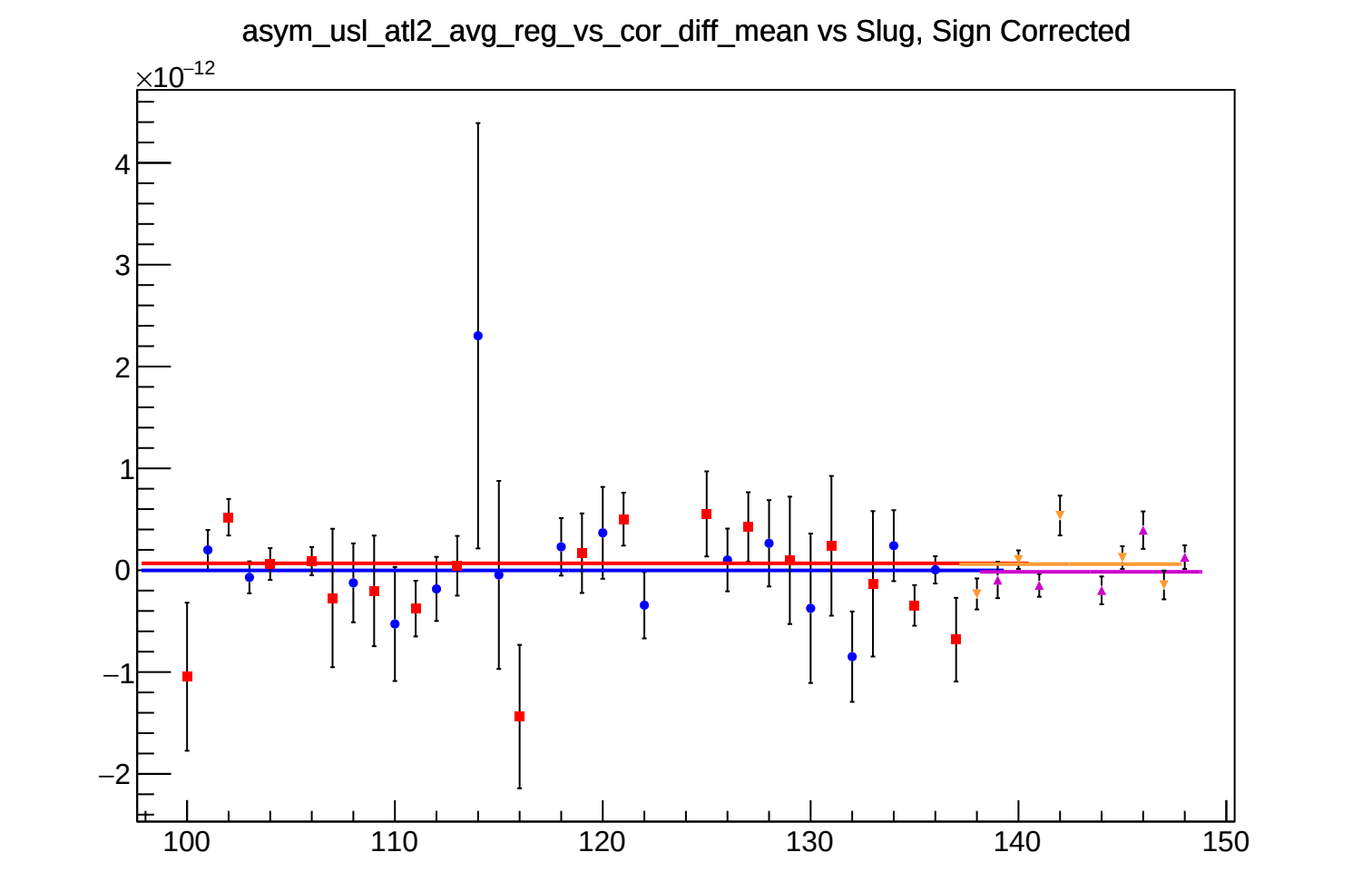
Left: 5232.879+/-1.313 χ^2/NDF: 173485.9/9

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4074.686+/-0.873 χ^2/NDF:1258541.1/20

Out: 3546.066+/-0.813 χ^2/NDF:2607391.1/22

All: 3791.670+/-0.595 χ^2/NDF: 4062409.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/4

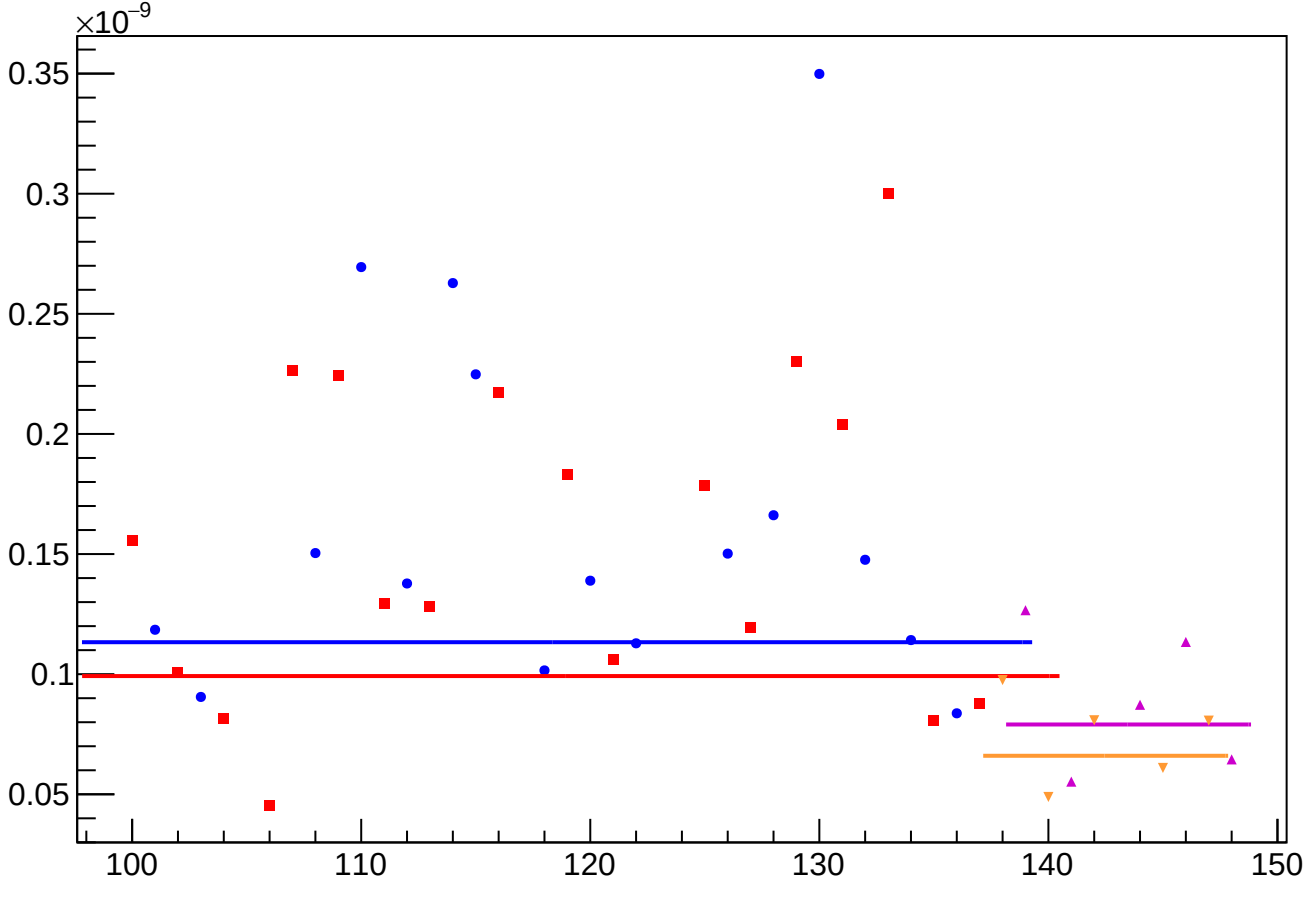
Left: 0.000+/-0.000 χ^2/NDF: 23.0/9

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:21.0/20

Out: 0.000+/-0.000 χ^2/NDF:41.8/22

All: 0.000+/-0.000 χ^2/NDF: 64.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:193547.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:340751.6/4

Left: 0.000+/-0.000 χ^2/NDF: 583860.7/9

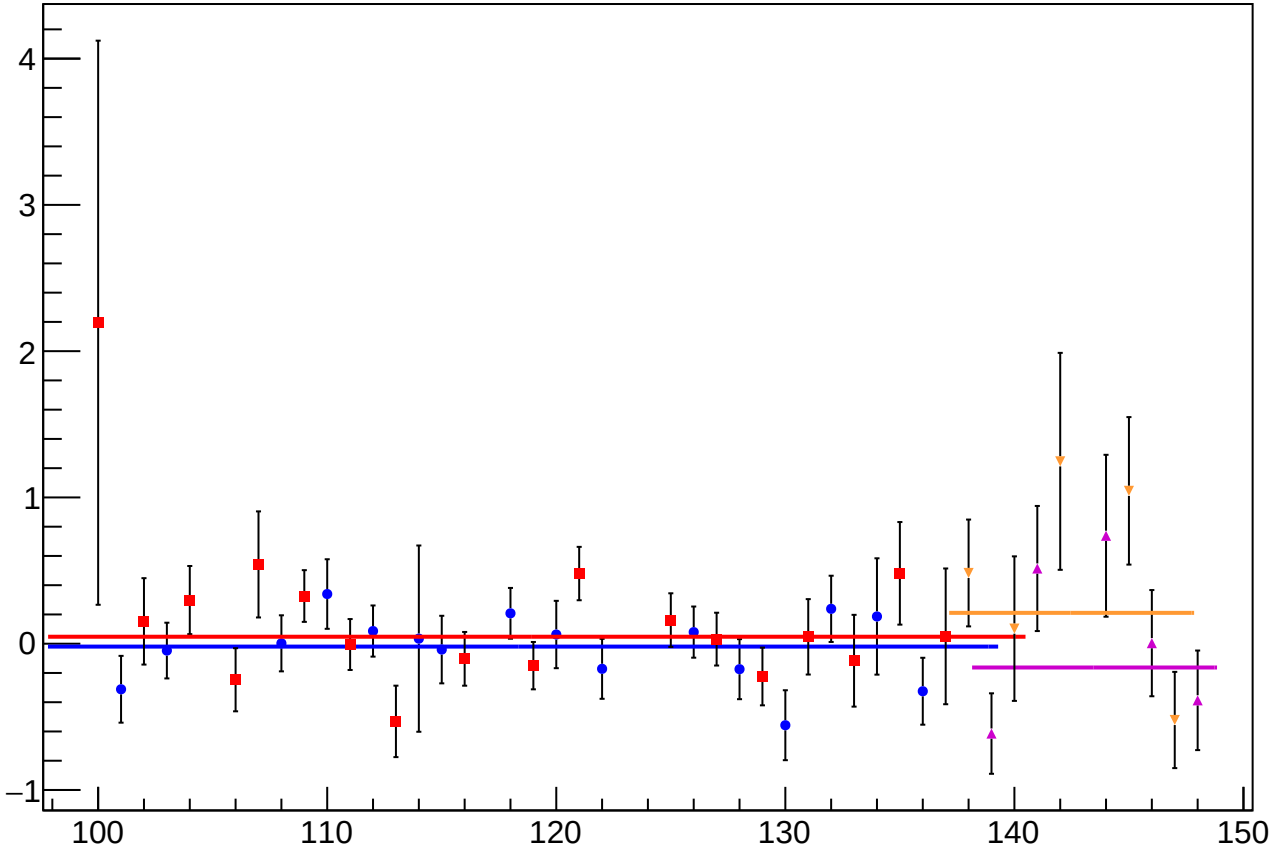
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1266452.2/20

Out: 0.000+/-0.000 χ^2/NDF:1590921.2/22

All: 0.000+/-0.000 χ^2/NDF: 2954318.5/43

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

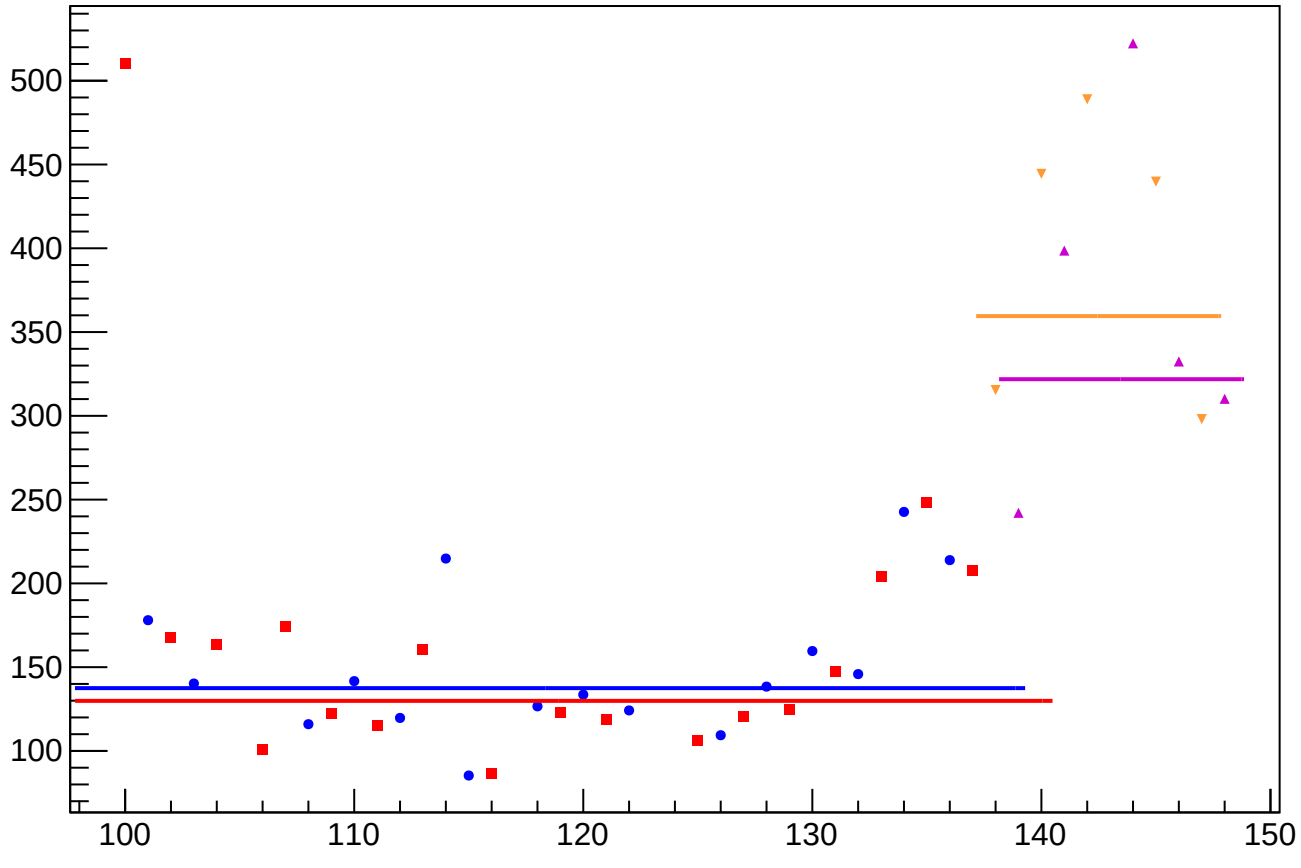
Left: -0.009+/-0.124 χ^2/NDF: 20.9/9

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.013+/-0.036 χ^2/NDF: 64.1/43



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 359.525+/-0.137 χ^2/NDF:269634.8/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

Left: 337.330+/-0.088 χ^2/NDF: 812940.6/9

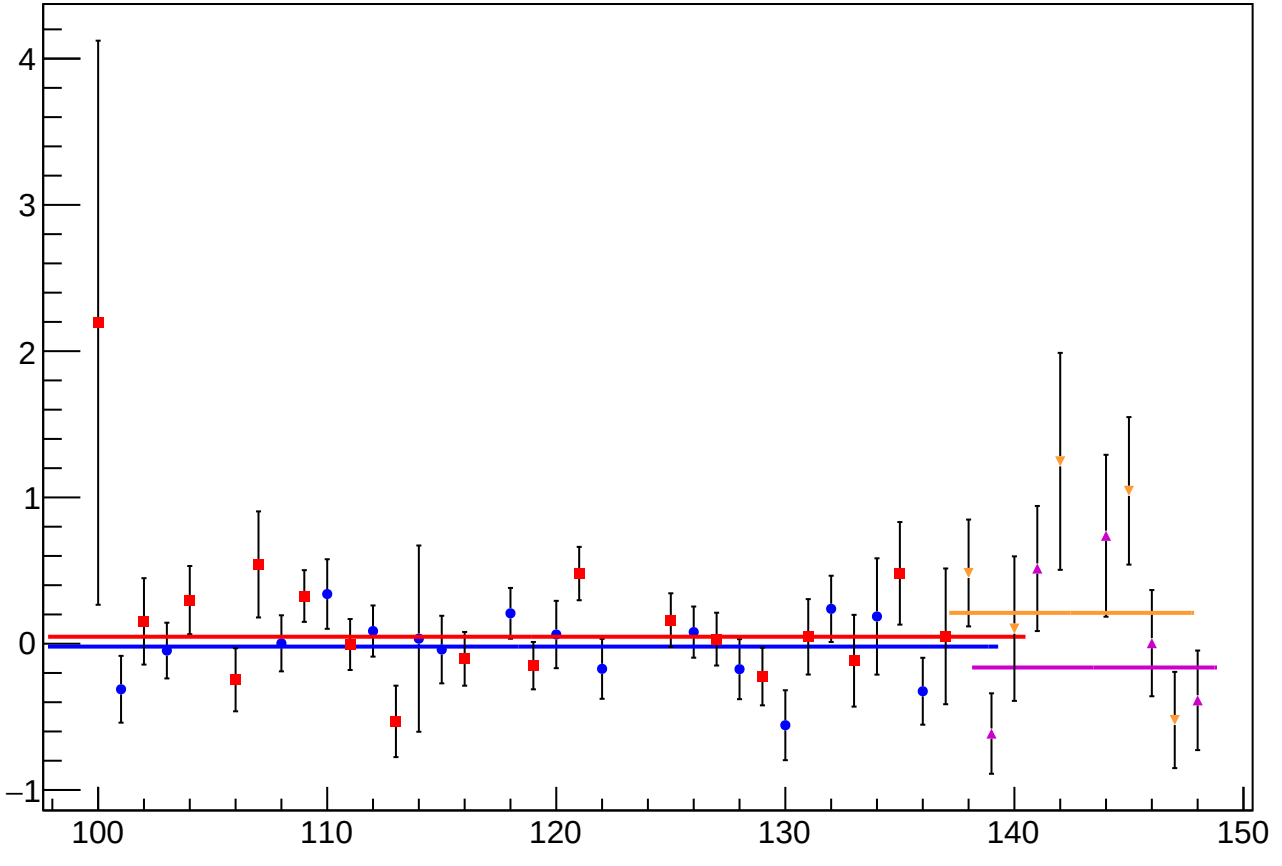
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 156.084+/-0.036 χ^2/NDF:3525041.2/20

Out: 145.563+/-0.036 χ^2/NDF:3716194.3/22

All: 150.748+/-0.026 χ^2/NDF: 7283731.4/43

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

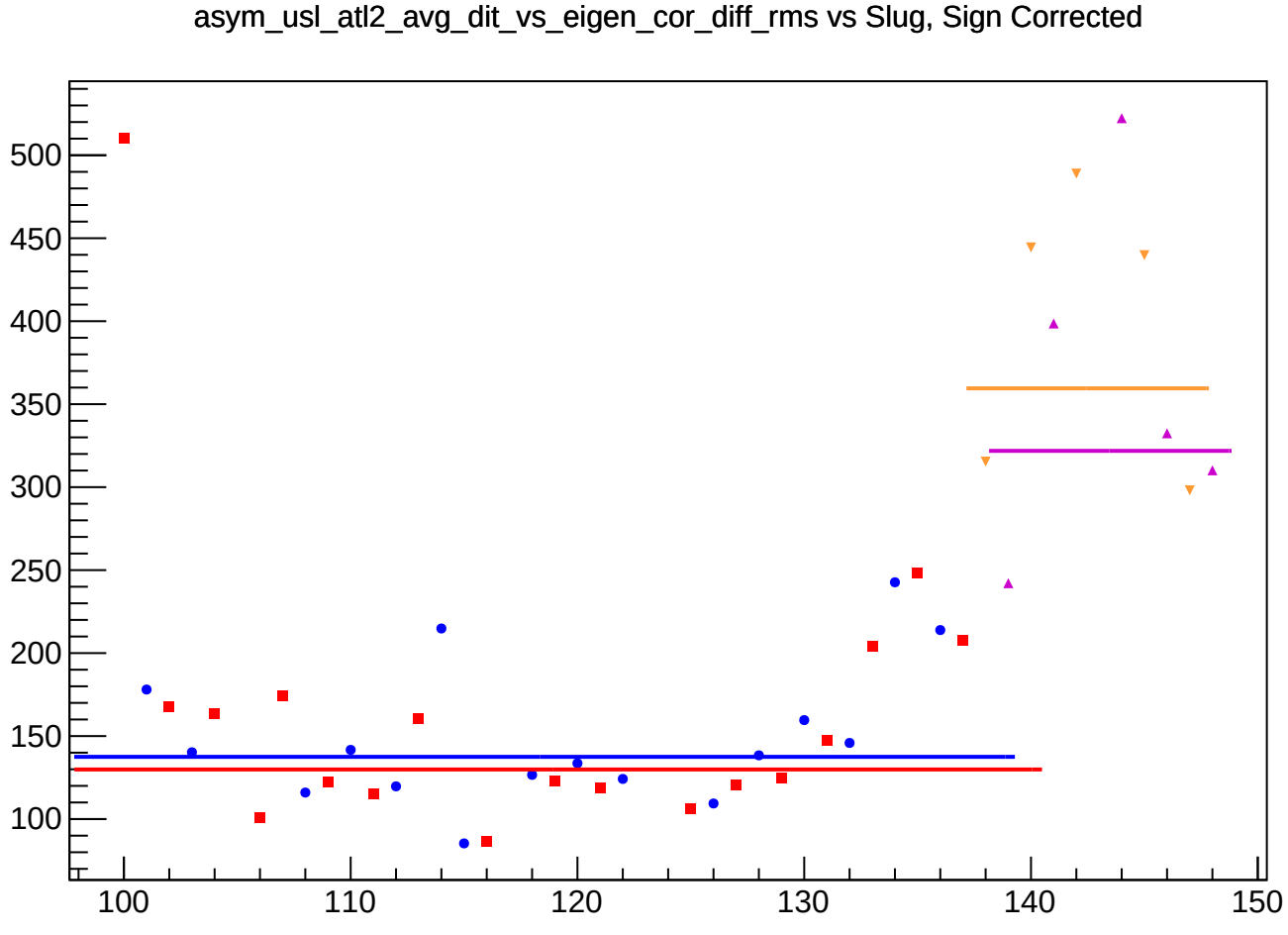
Left: -0.009+/-0.124 χ^2/NDF: 20.9/9

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.013+/-0.036 χ^2/NDF: 64.1/43



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 359.525+/-0.137 χ^2/NDF:269634.8/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

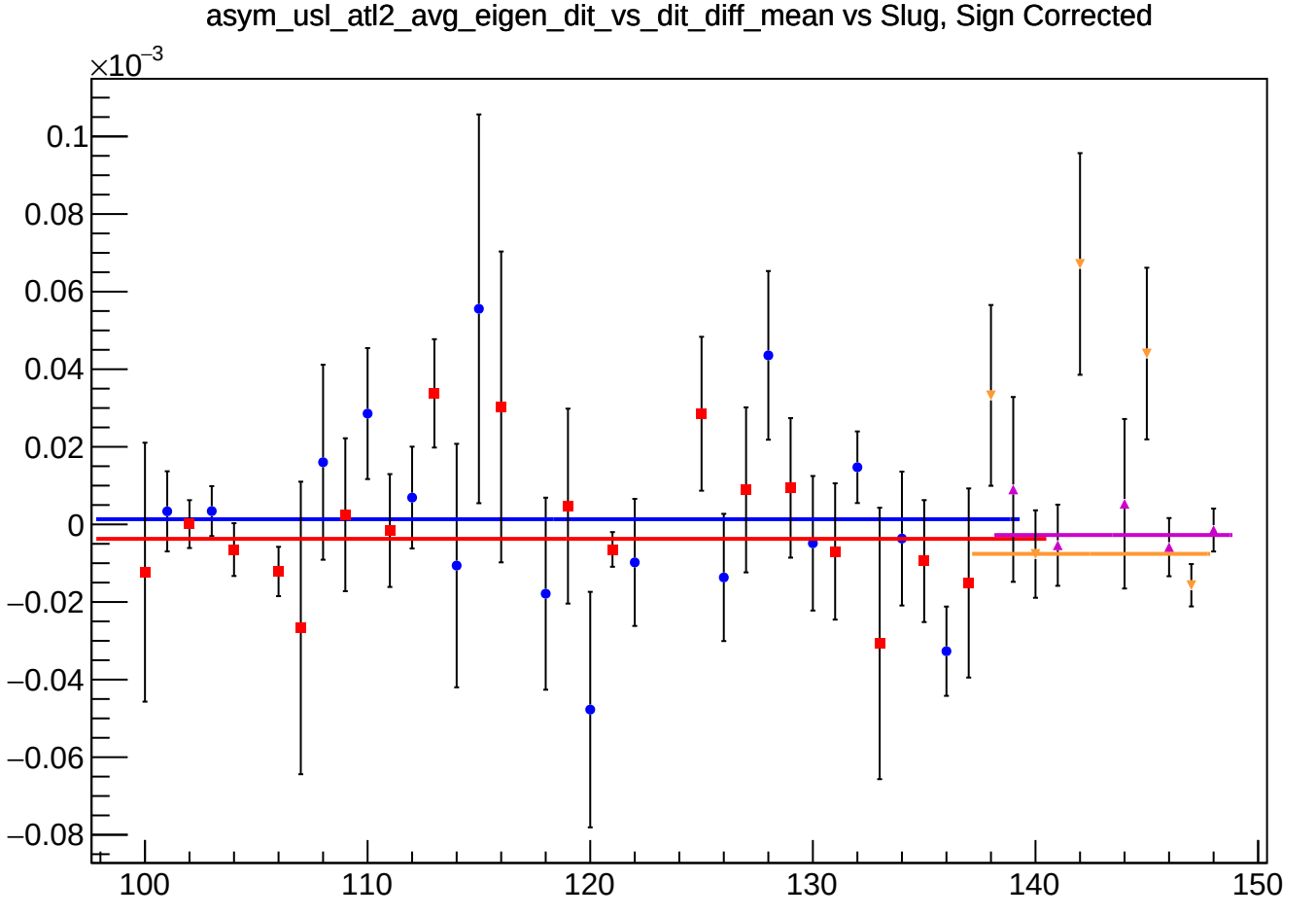
Left: 337.330+/-0.088 χ^2/NDF: 812940.6/9

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

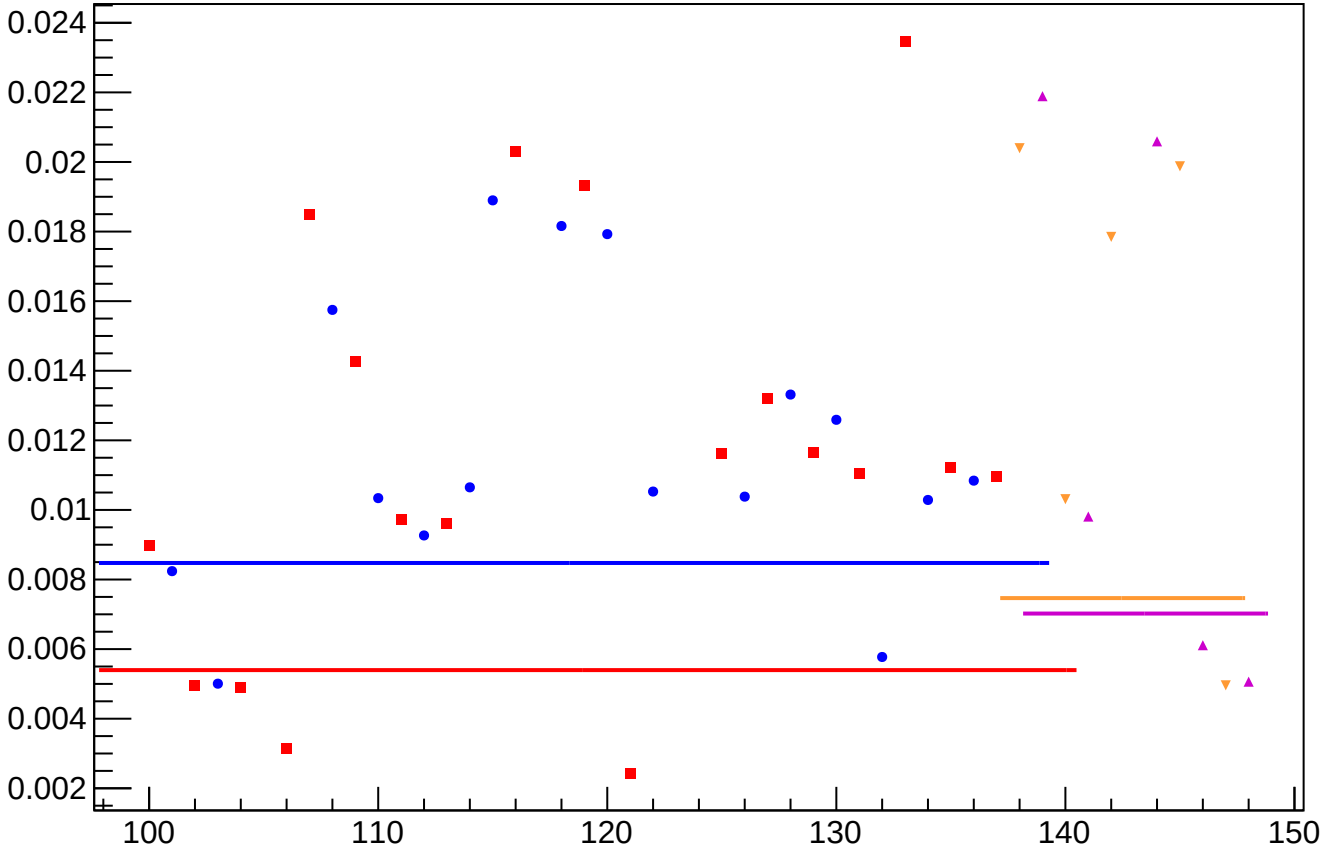
In: 156.084+/-0.036 χ^2/NDF:3525041.2/20

Out: 145.563+/-0.036 χ^2/NDF:3716194.3/22

All: 150.748+/-0.026 χ^2/NDF: 7283731.4/43


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:17.6/4
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:0.7/4
Left: -0.000+/-0.000 χ²/NDF: 18.9/9
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:25.2/20
Out: -0.000+/-0.000 χ²/NDF:33.9/22
All: -0.000+/-0.000 χ²/NDF: 60.6/43

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: 0.007+/-0.000 χ^2/NDF:2059297.8/4

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:1973020.3/4

Left: 0.007+/-0.000 χ^2/NDF: 4042923.4/9

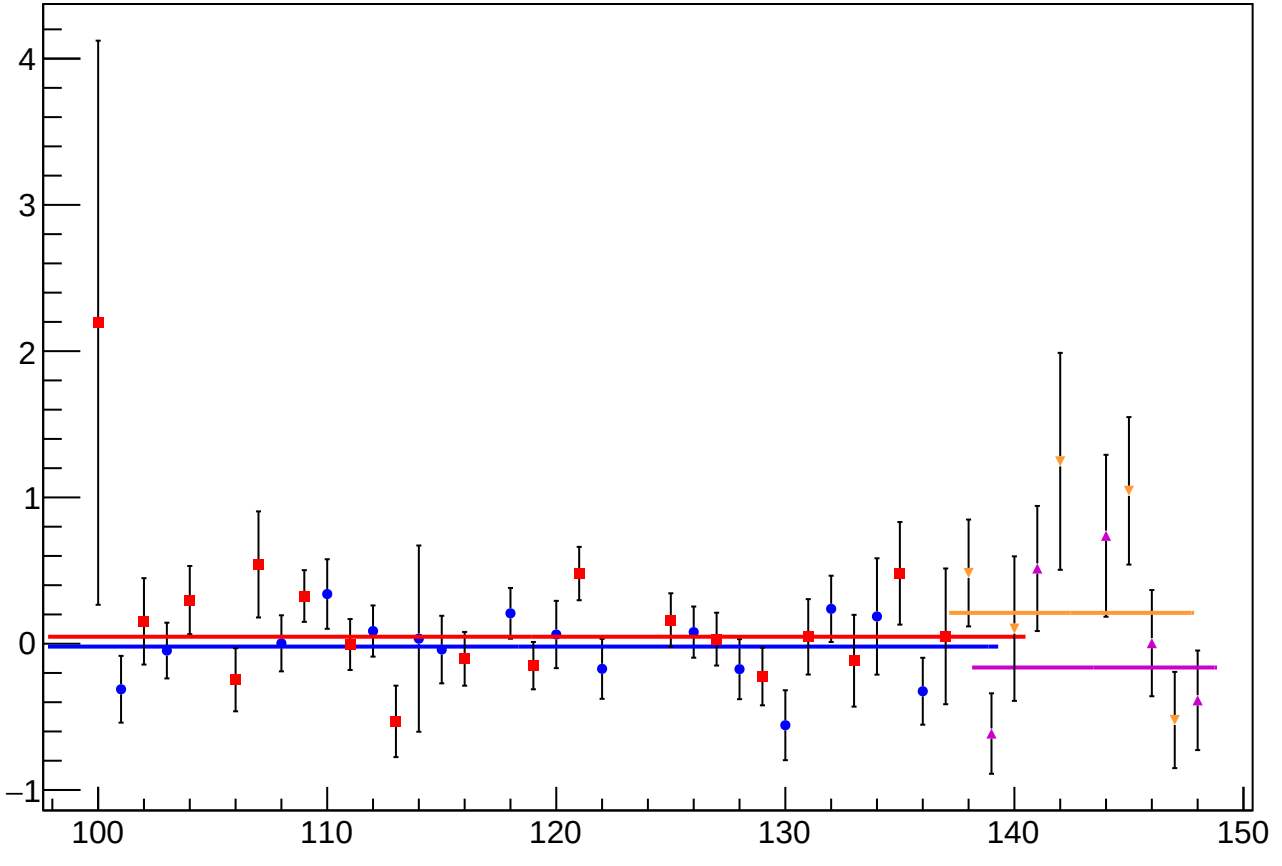
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.008+/-0.000 χ^2/NDF:4051901.0/20

Out: 0.006+/-0.000 χ^2/NDF:7276021.5/22

All: 0.007+/-0.000 χ^2/NDF: 11997758.5/43

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

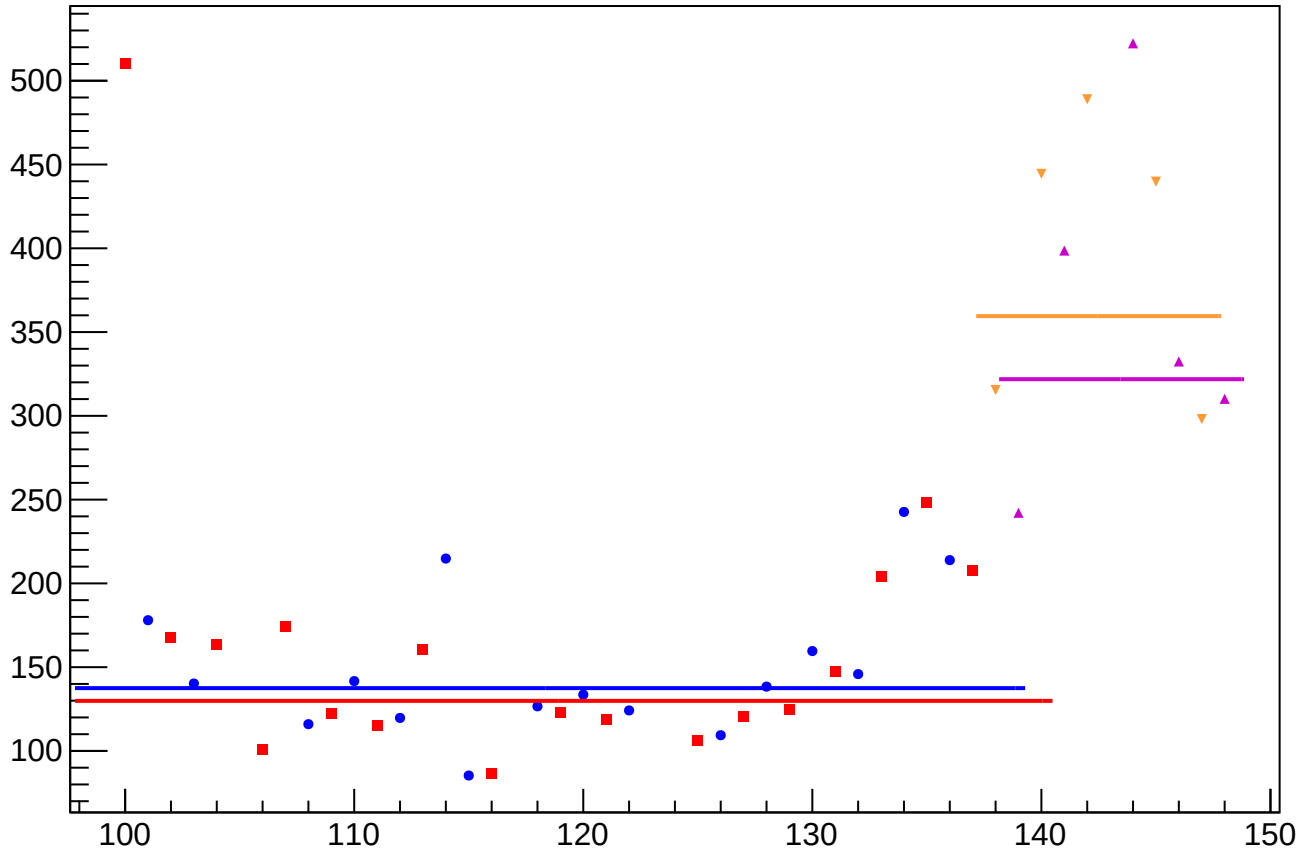
Left: -0.009+/-0.124 χ^2/NDF: 20.9/9

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.013+/-0.036 χ^2/NDF: 64.1/43



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

Left: 337.335+/-0.088 χ^2/NDF: 812939.2/9

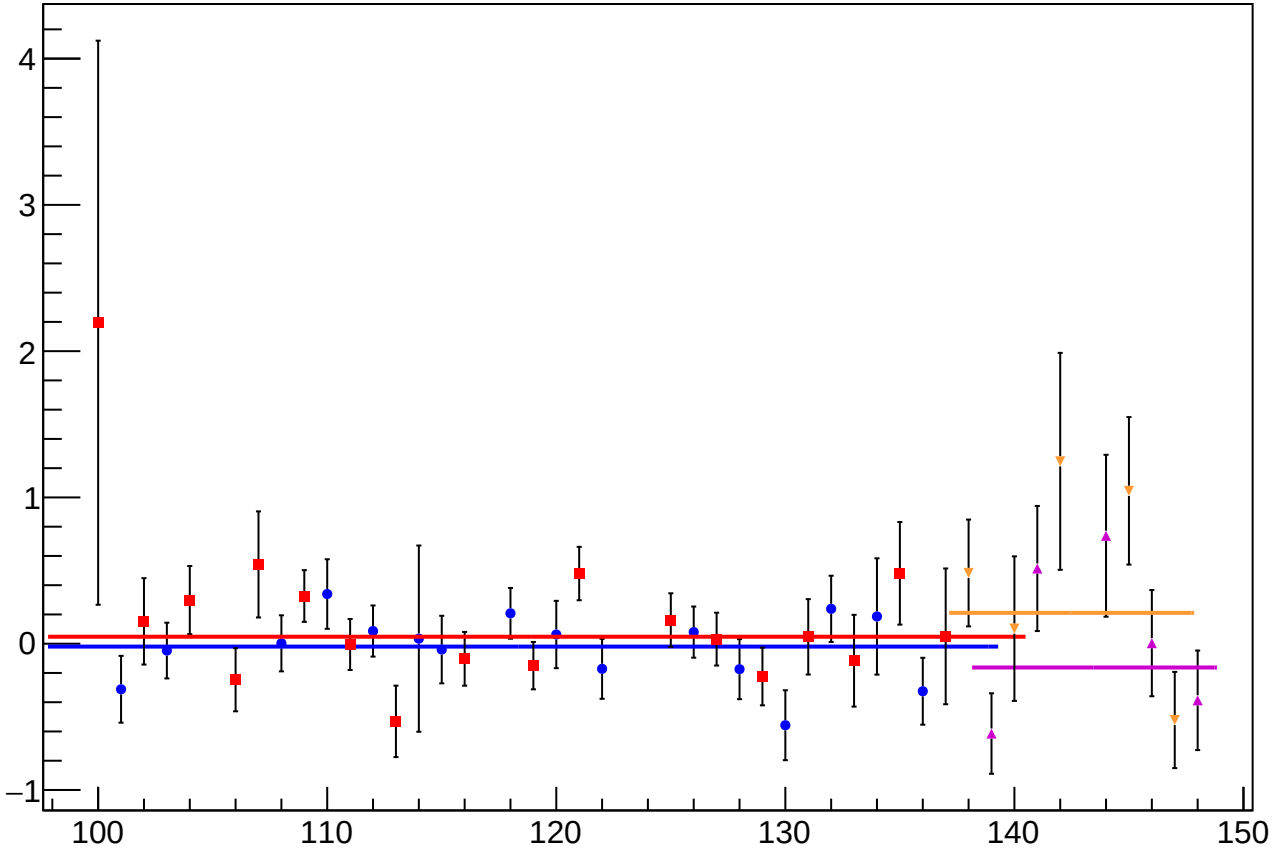
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 156.084+/-0.036 χ^2/NDF:3525069.1/20

Out: 145.563+/-0.036 χ^2/NDF:3716196.4/22

All: 150.748+/-0.026 χ^2/NDF: 7283760.8/43

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

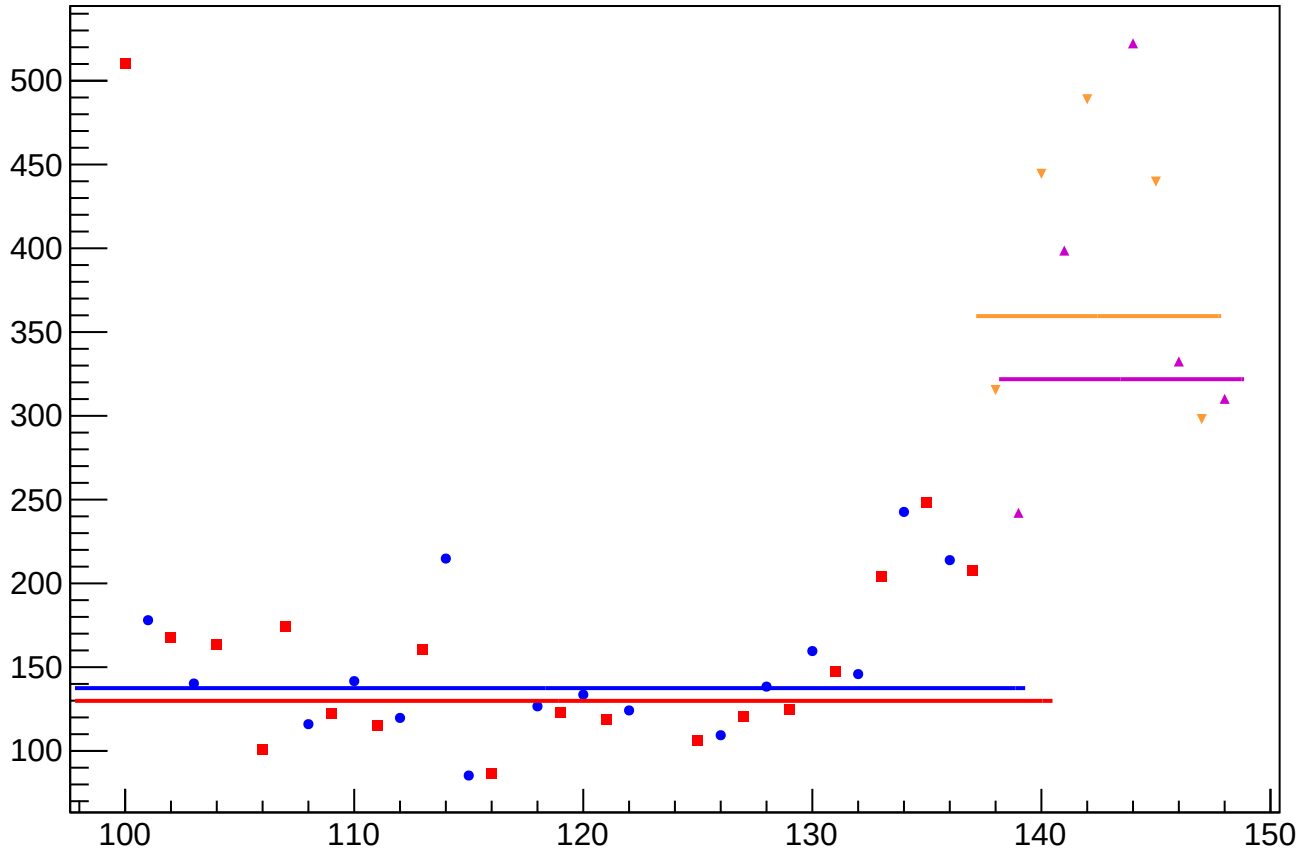
Left: -0.009+/-0.124 χ^2/NDF: 20.9/9

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.013+/-0.036 χ^2/NDF: 64.1/43



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

Left: 337.335+/-0.088 χ^2/NDF: 812939.2/9

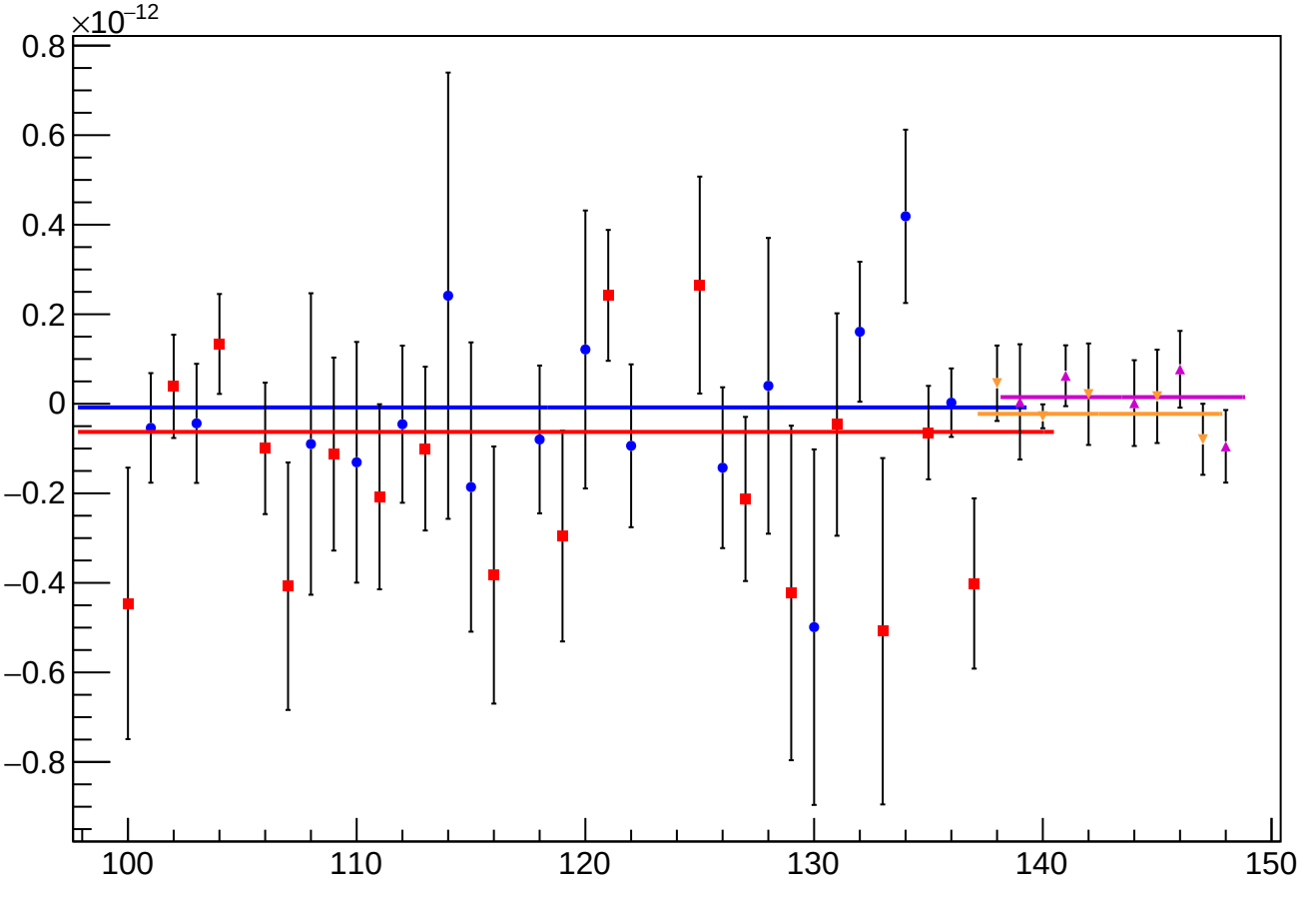
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 156.084+/-0.036 χ^2/NDF:3525069.1/20

Out: 145.563+/-0.036 χ^2/NDF:3716196.4/22

All: 150.748+/-0.026 χ^2/NDF: 7283760.8/43

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2.9/4

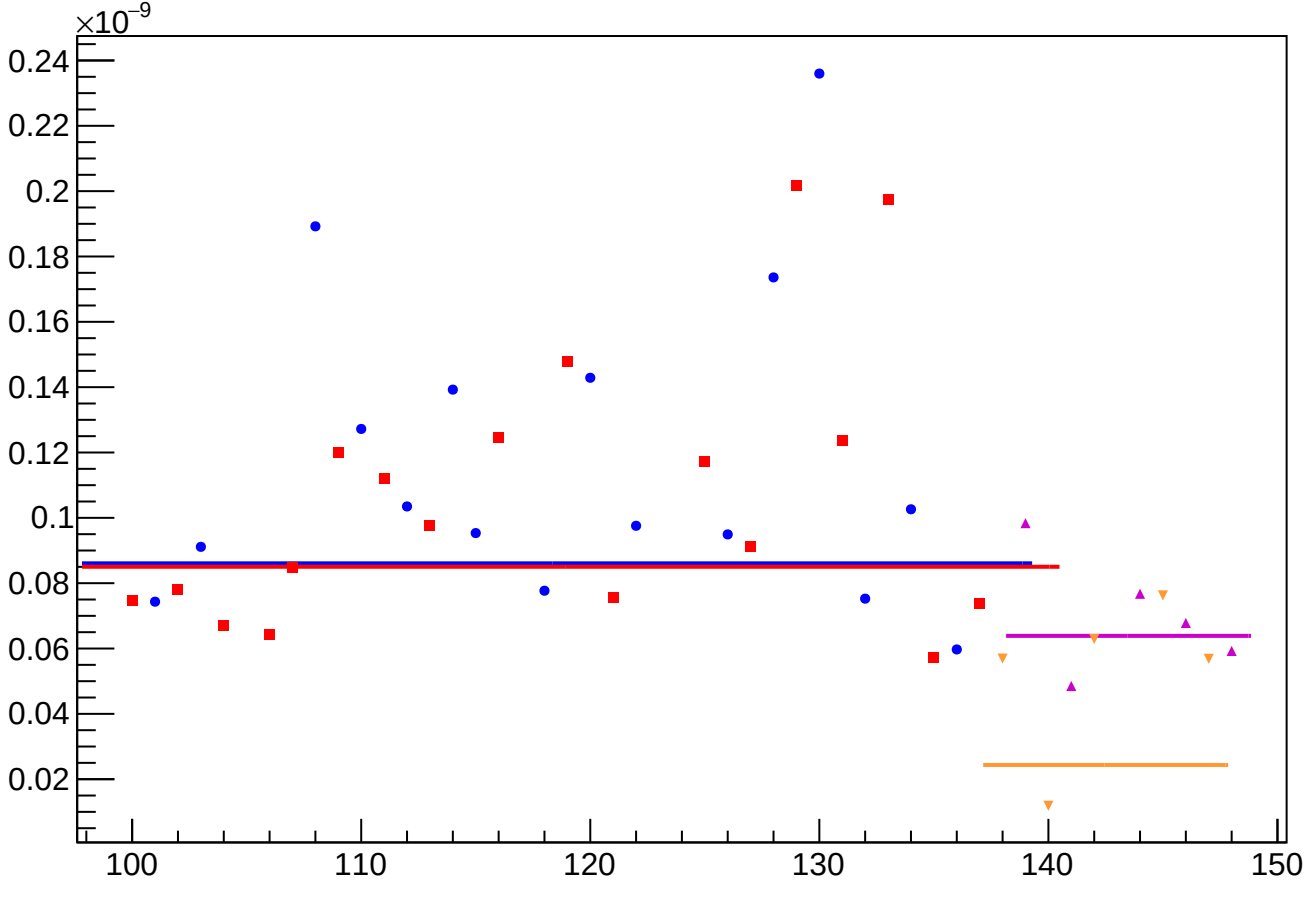
Left: -0.000+/-0.000 χ^2/NDF: 5.1/9

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: 0.000+/-0.000 χ^2/NDF:12.9/20

Out: -0.000+/-0.000 χ^2/NDF:24.4/22

All: -0.000+/-0.000 χ^2/NDF: 38.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1799119.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:292621.2/4

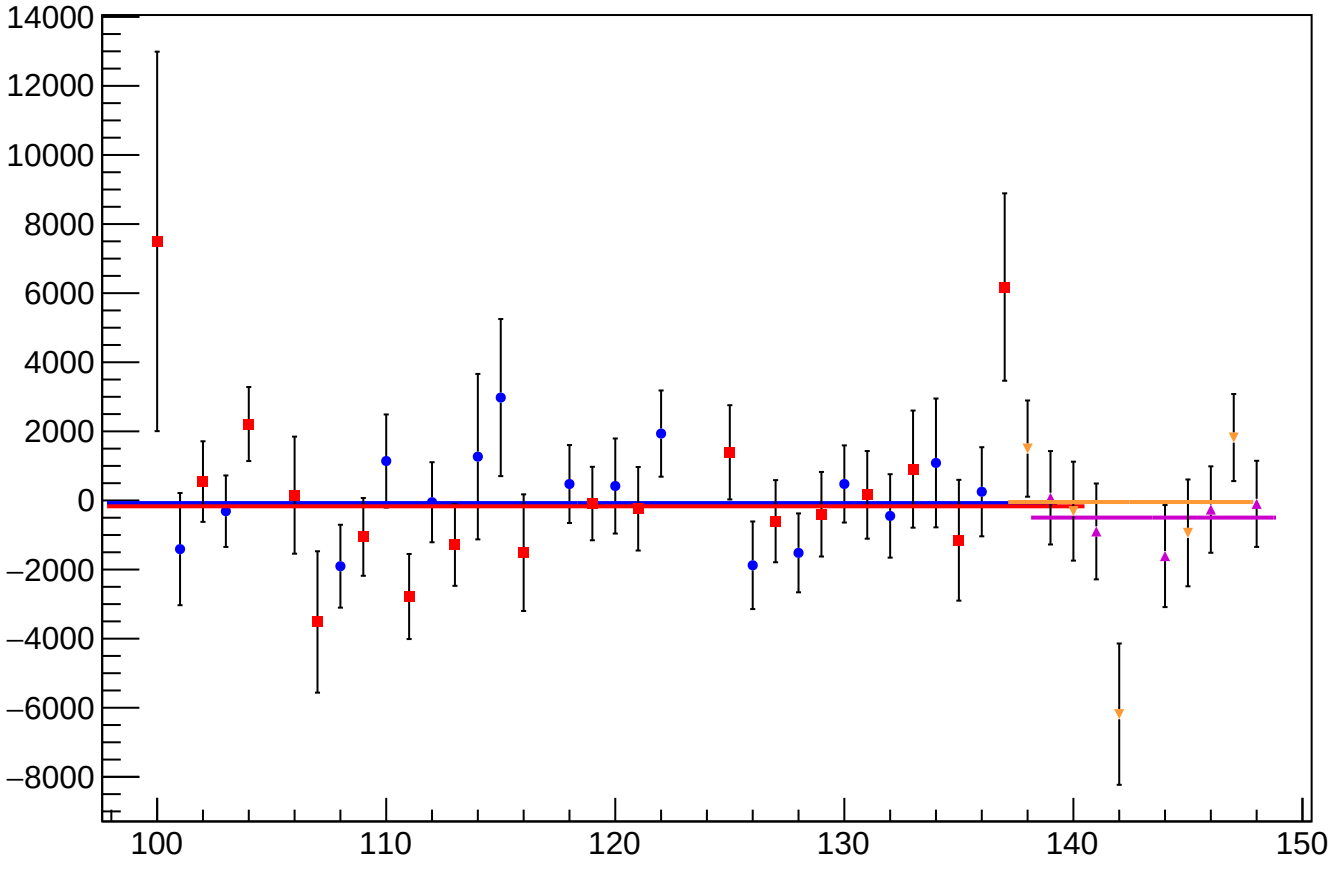
Left: 0.000+/-0.000 χ^2/NDF: 3640626.4/9

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1664545.0/20

Out: 0.000+/-0.000 χ^2/NDF:6017933.5/22

All: 0.000+/-0.000 χ^2/NDF: 9722872.1/43



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -44.959+/-660.694 χ^2/NDF:12.8/4

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -496.207+/-596.705 χ^2/NDF:1.0/4

Left: -293.488+/-442.833 χ^2/NDF: 14.0/9

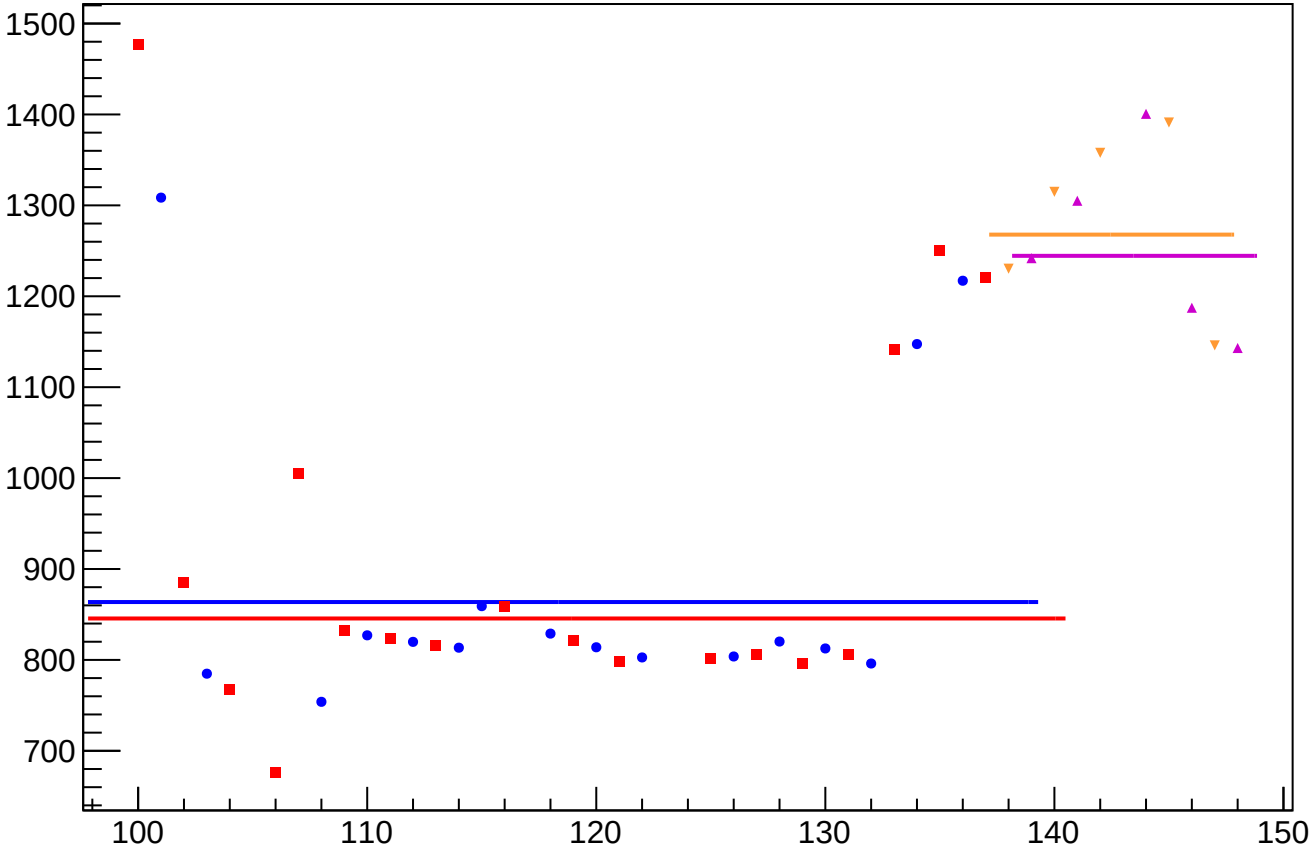
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -172.653+/-286.241 χ^2/NDF:14.7/20

Out: -145.492+/-289.328 χ^2/NDF:37.2/22

All: -159.218+/-203.486 χ^2/NDF: 51.9/43

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

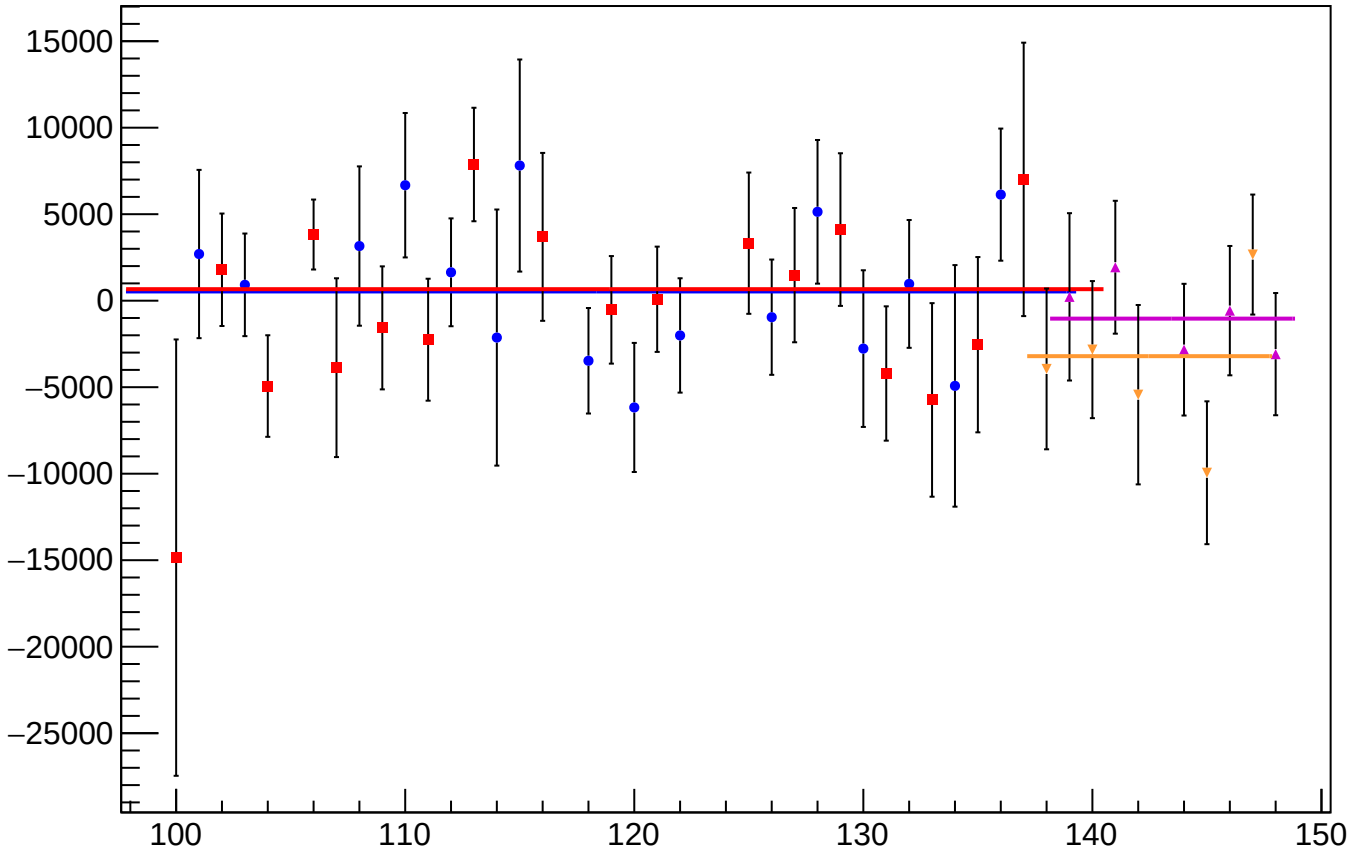
Left: 1254.969+/-0.313 χ^2/NDF: 83896.2/9

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 951.294+/-0.202 χ^2/NDF:1078269.4/20

Out: 924.937+/-0.203 χ^2/NDF:1010045.0/22

All: 938.124+/-0.143 χ^2/NDF: 2096787.5/43



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3206.890+/-1860.098 χ^2/NDF:5.7/4

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1036.829+/-1737.374 χ^2/NDF:1.2/4

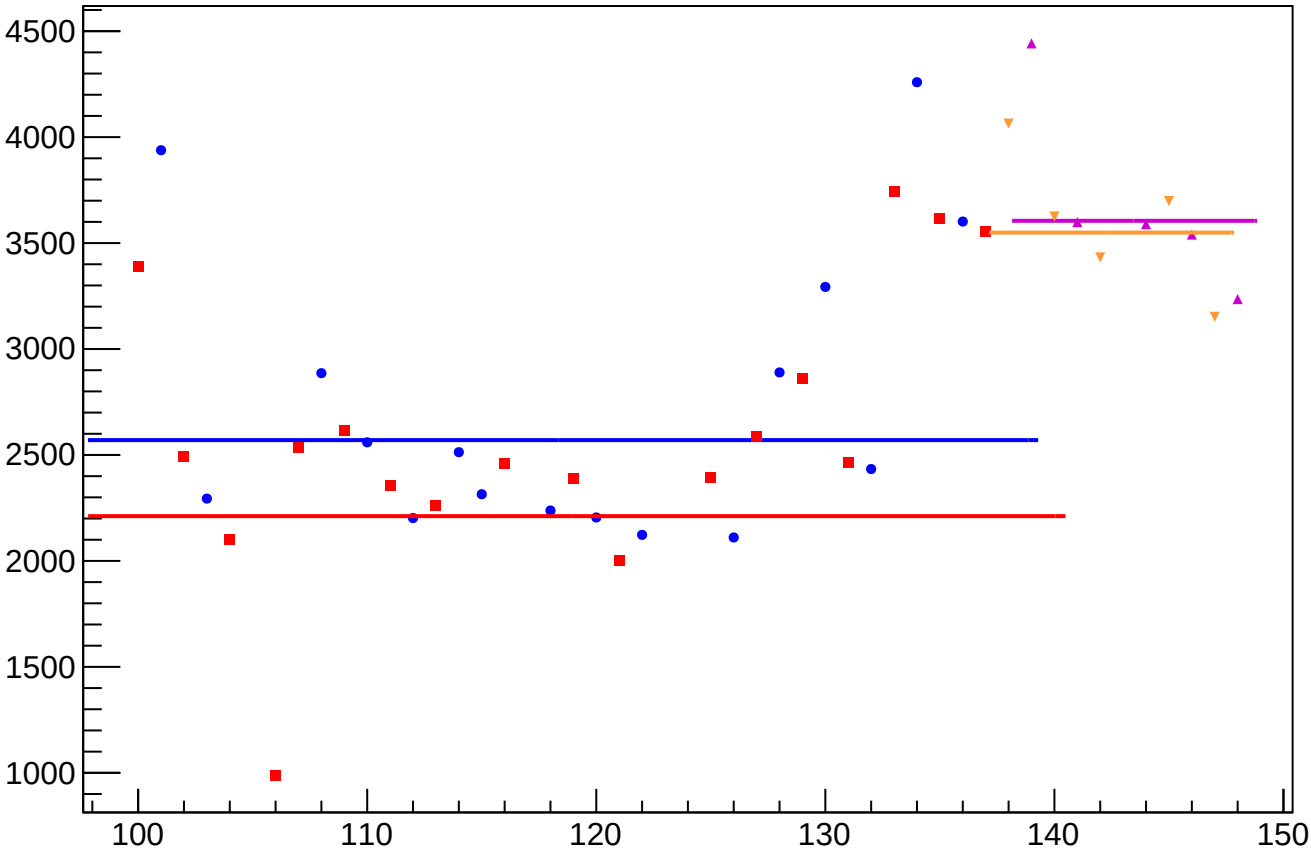
Left: -2047.916+/-1269.680 χ^2/NDF: 7.7/9

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 154.468+/-854.423 χ^2/NDF:16.5/20

Out: -22.669+/-784.318 χ^2/NDF:29.3/22

All: 58.335+/-577.794 χ^2/NDF: 45.8/43



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3549.507+/-1.315 χ^2/NDF:55081.5/4

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3605.126+/-1.229 χ^2/NDF:82448.5/4

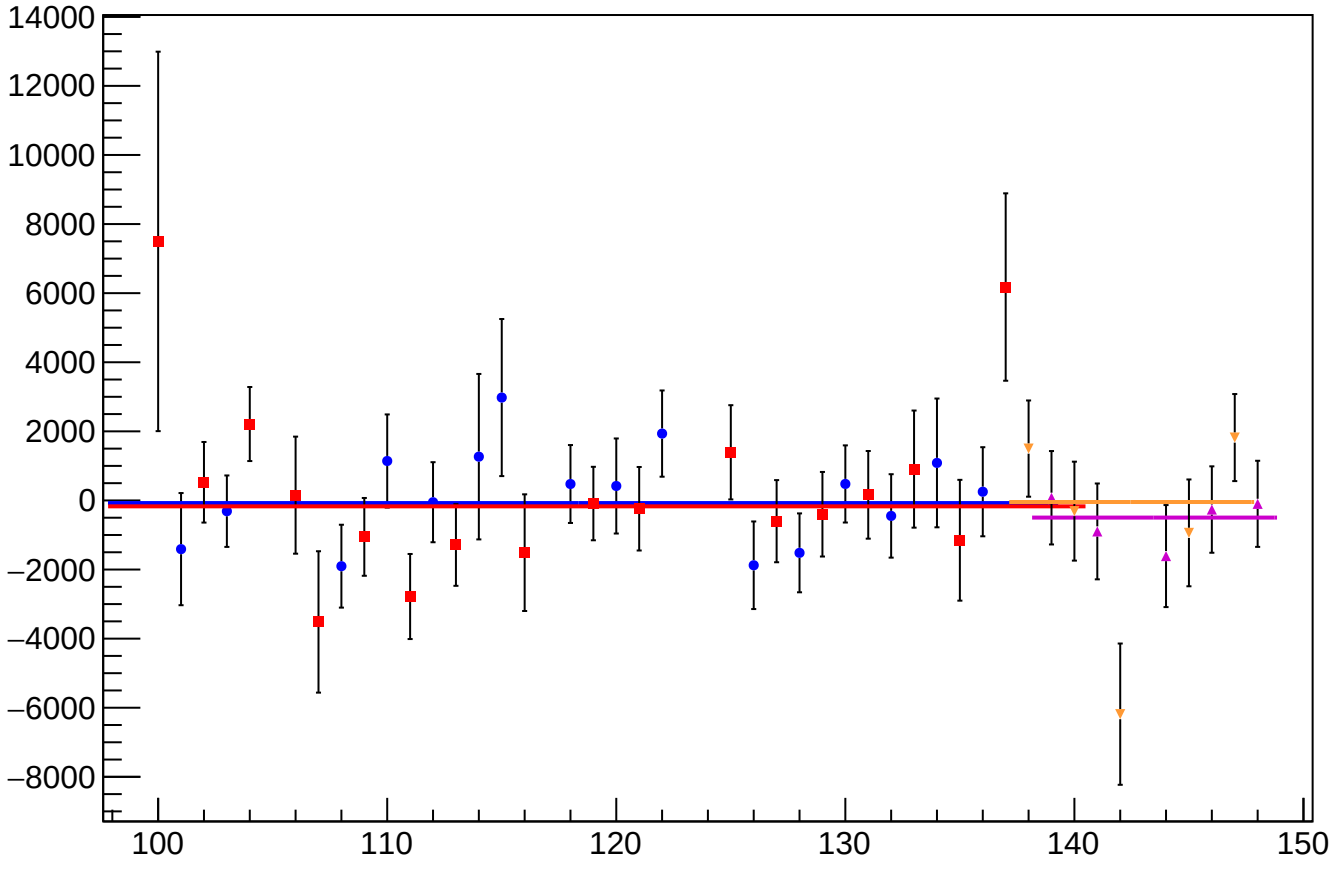
Left: 3579.212+/-0.898 χ^2/NDF: 138485.0/9

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2820.455+/-0.604 χ^2/NDF:1283032.3/20

Out: 2449.197+/-0.555 χ^2/NDF:2170320.5/22

All: 2618.973+/-0.409 χ^2/NDF: 3658278.5/43



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -45.117+/-660.694 χ^2/NDF:12.8/4

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -496.211+/-596.705 χ^2/NDF:1.0/4

Left: -293.560+/-442.833 χ^2/NDF: 14.0/9

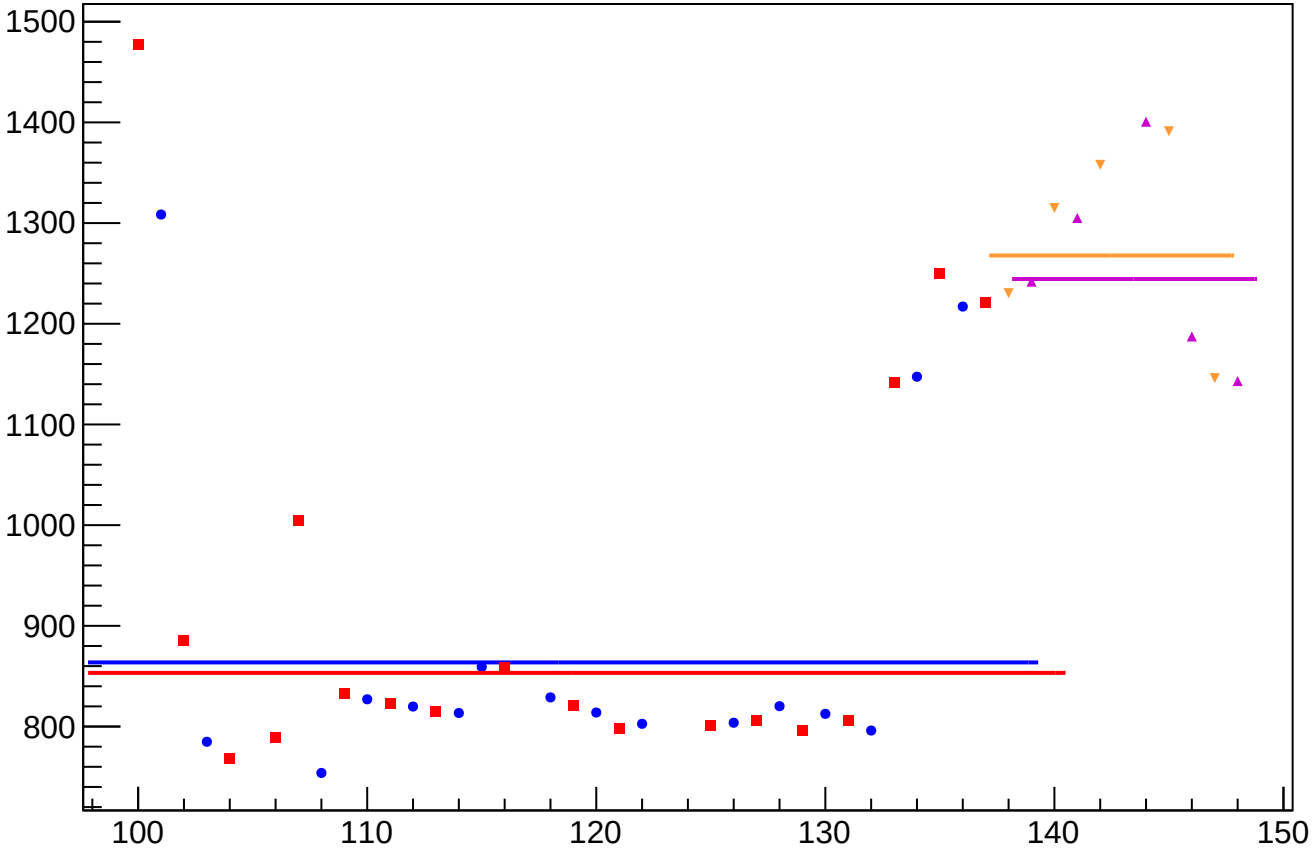
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -172.714+/-286.241 χ^2/NDF:14.7/20

Out: -146.844+/-289.331 χ^2/NDF:37.2/22

All: -159.918+/-203.487 χ^2/NDF: 51.9/43

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

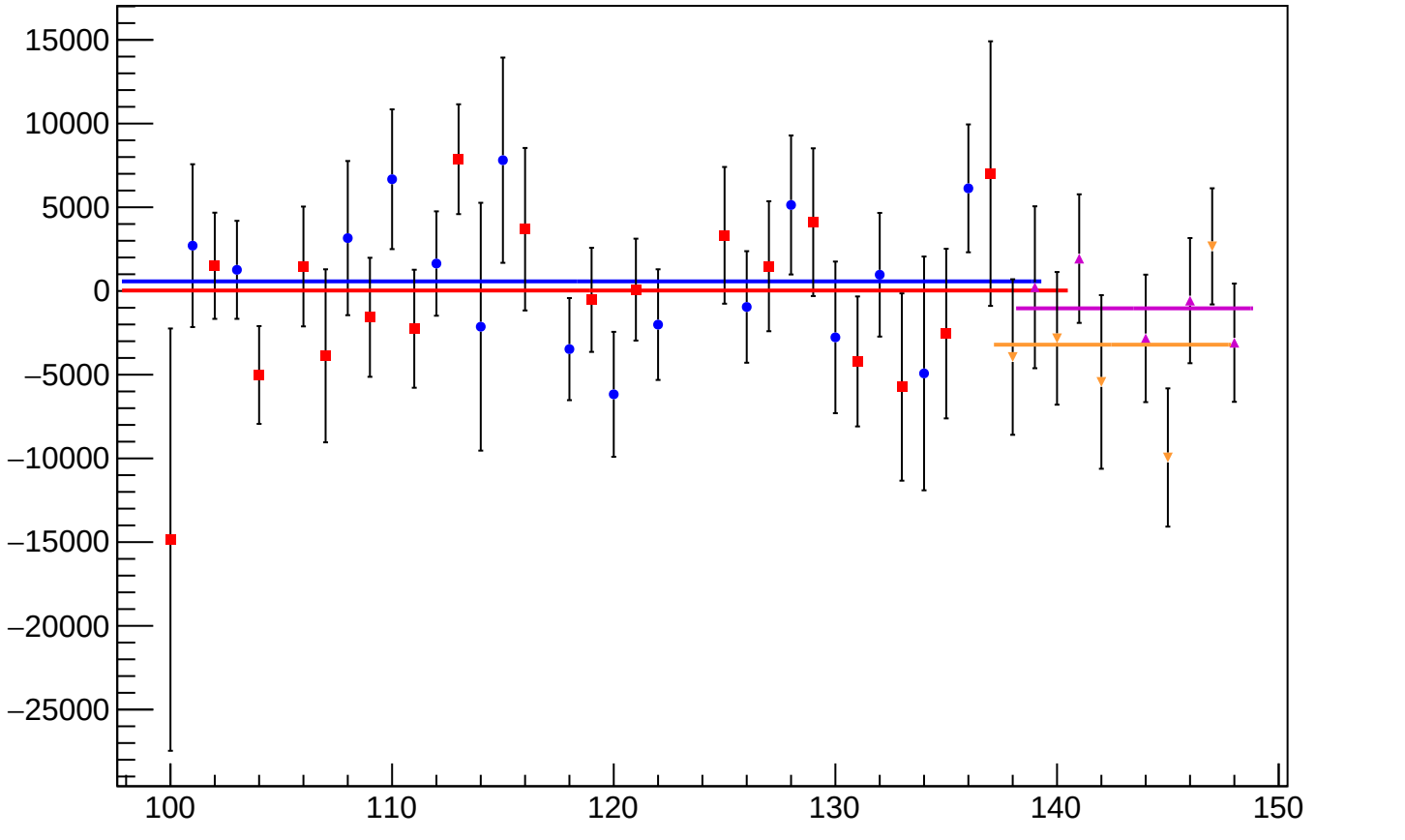
Left: 1254.969+/-0.313 χ^2/NDF: 83896.2/9

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 951.294+/-0.202 χ^2/NDF:1078269.3/20

Out: 932.123+/-0.204 χ^2/NDF:951865.9/22

All: 941.772+/-0.144 χ^2/NDF: 2034591.4/43



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3207.018+/-1860.100 χ^2/NDF:5.7/4

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1036.808+/-1737.373 χ^2/NDF:1.2/4

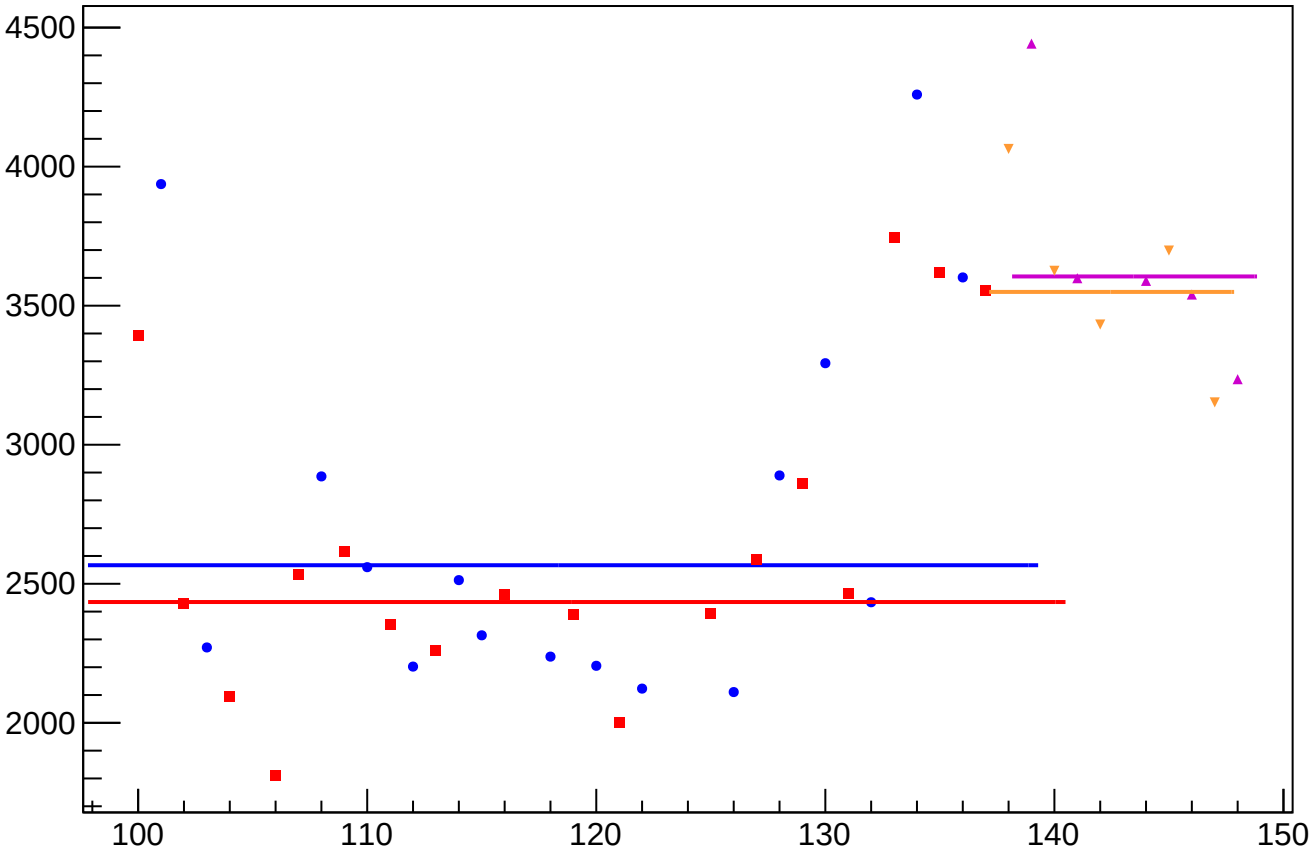
Left: -2047.963+/-1269.680 χ^2/NDF: 7.7/9

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 186.009+/-853.476 χ^2/NDF:16.6/20

Out: -609.694+/-826.170 χ^2/NDF:25.4/22

All: -224.775+/-593.609 χ^2/NDF: 42.4/43



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3549.511+/-1.315 χ^2/NDF:55079.2/4

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

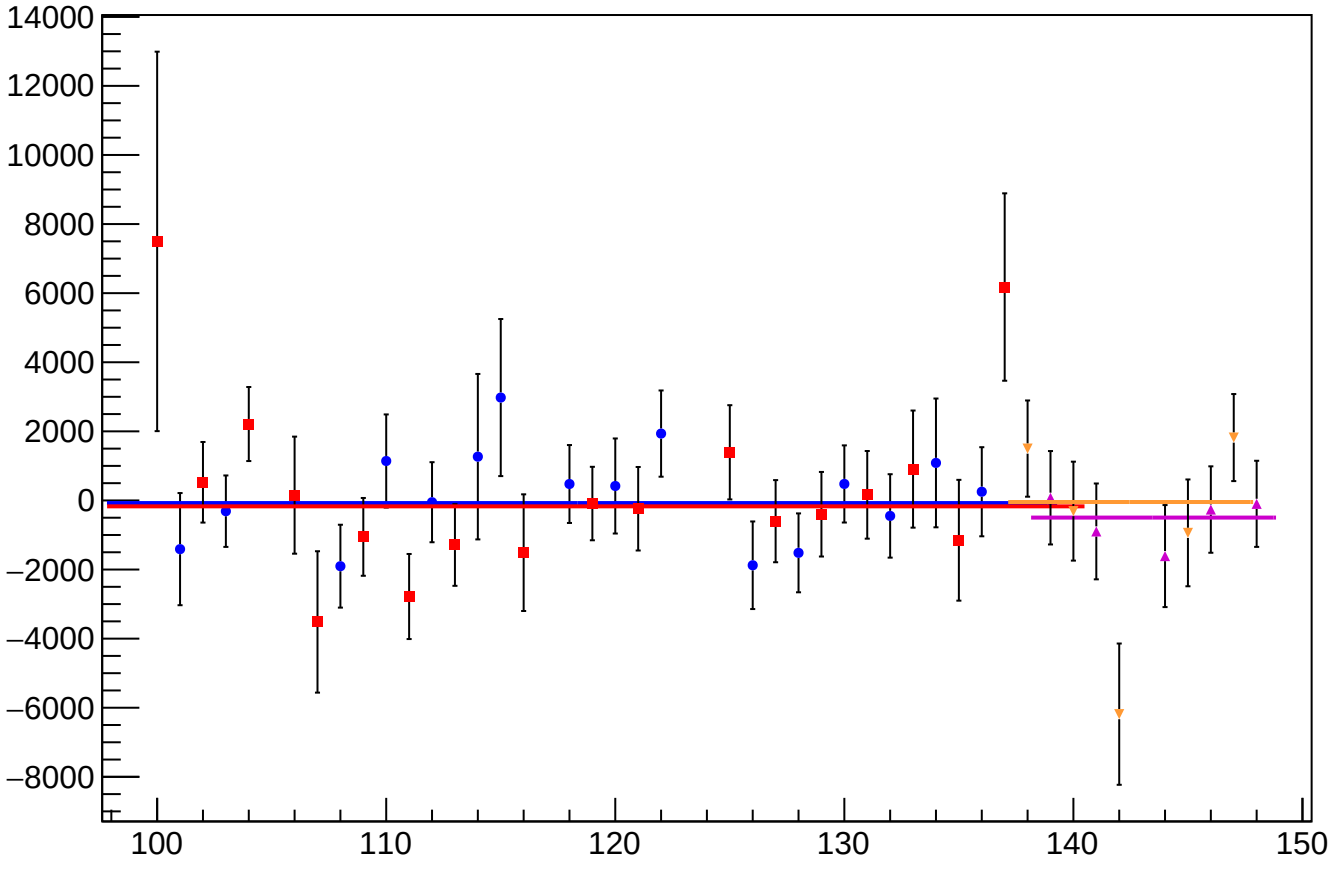
Left: 3579.212+/-0.898 χ^2/NDF: 138482.0/9

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2817.319+/-0.603 χ^2/NDF:1290349.9/20

Out: 2654.405+/-0.584 χ^2/NDF:1066108.7/22

All: 2733.214+/-0.420 χ^2/NDF: 2394079.3/43



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -45.117+/-660.694 χ^2/NDF:12.8/4

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -496.211+/-596.705 χ^2/NDF:1.0/4

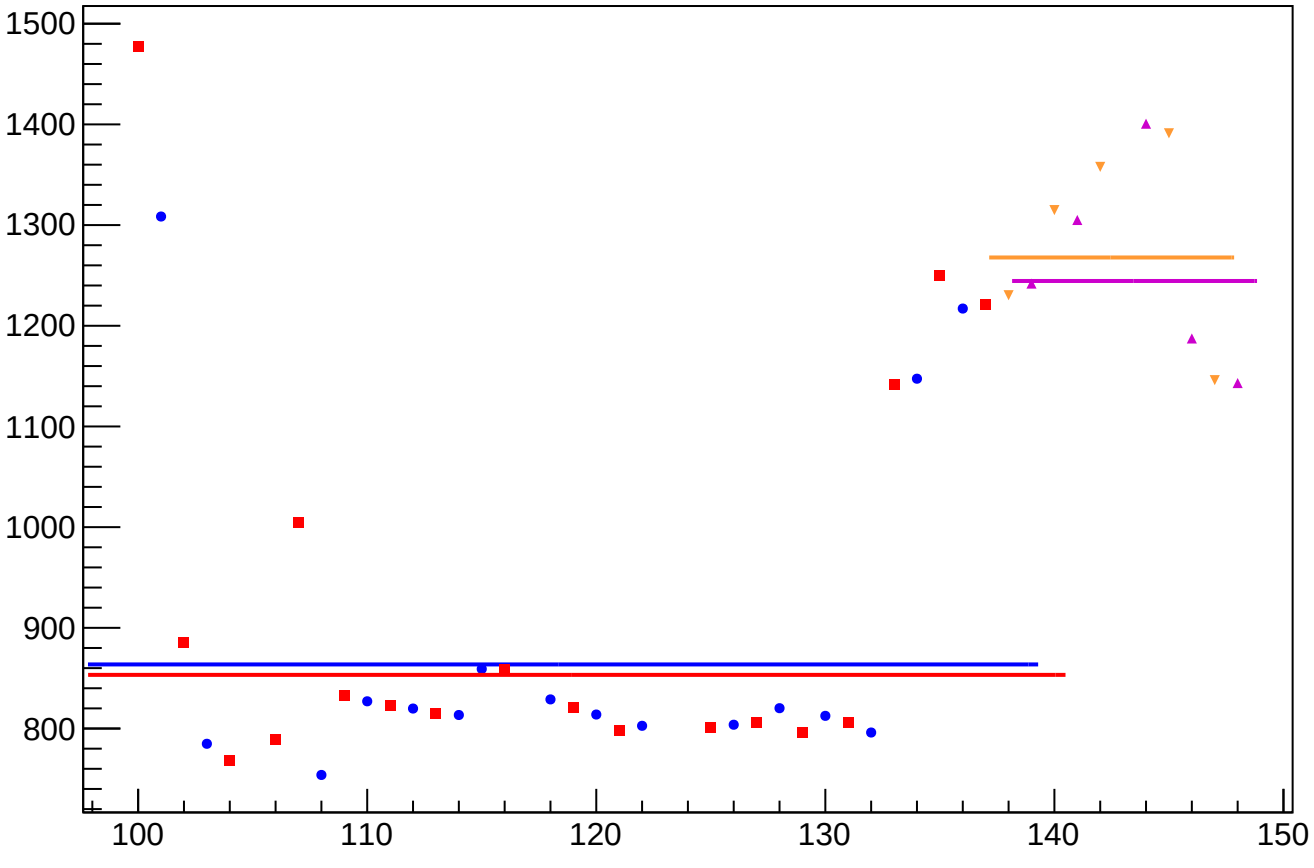
Left: -293.560+/-442.833 χ^2/NDF: 14.0/9

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -172.714+/-286.241 χ^2/NDF:14.7/20

Out: -146.844+/-289.331 χ^2/NDF:37.2/22

All: -159.918+/-203.487 χ^2/NDF: 51.9/43



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

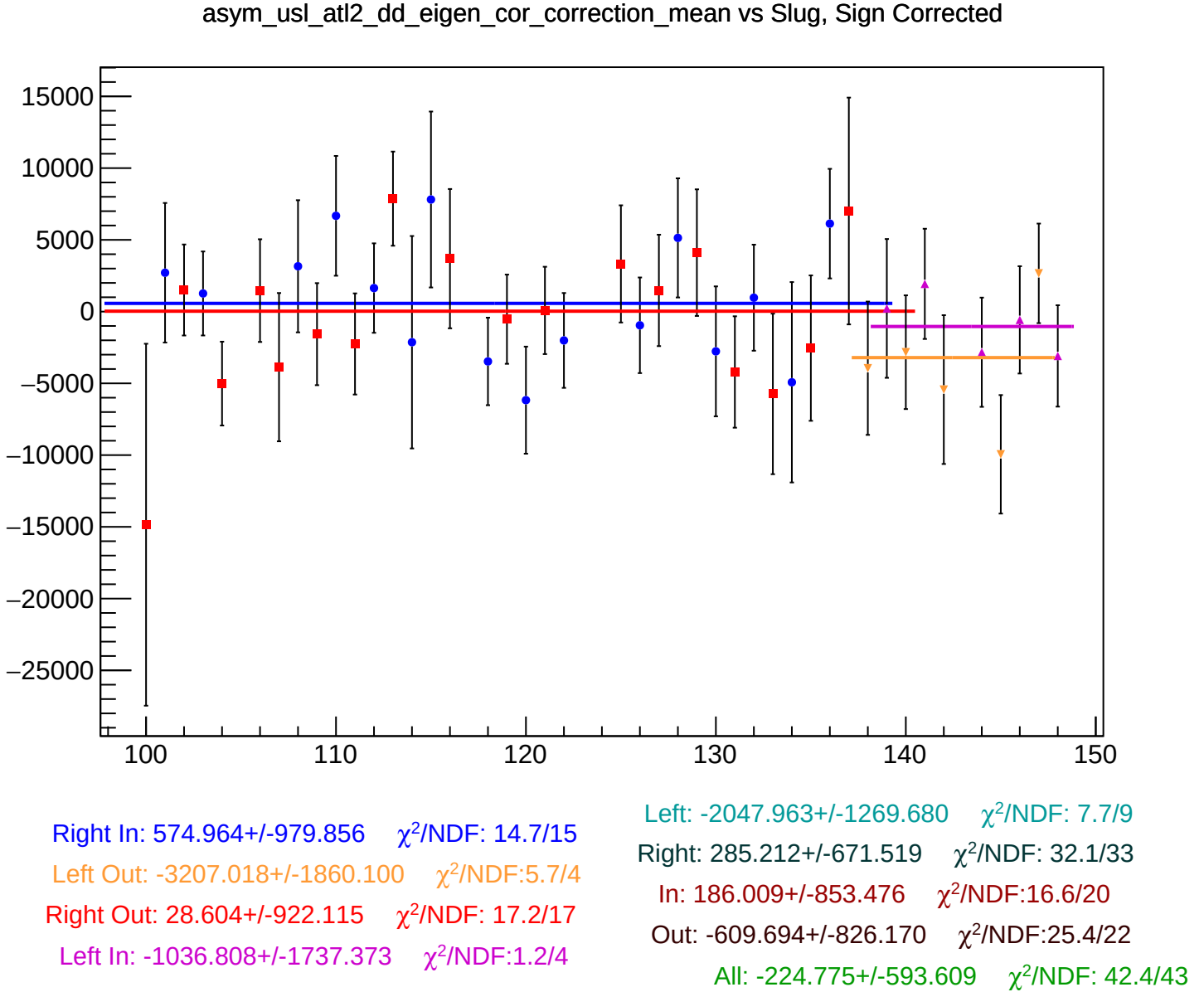
Left: 1254.969+/-0.313 χ^2/NDF: 83896.2/9

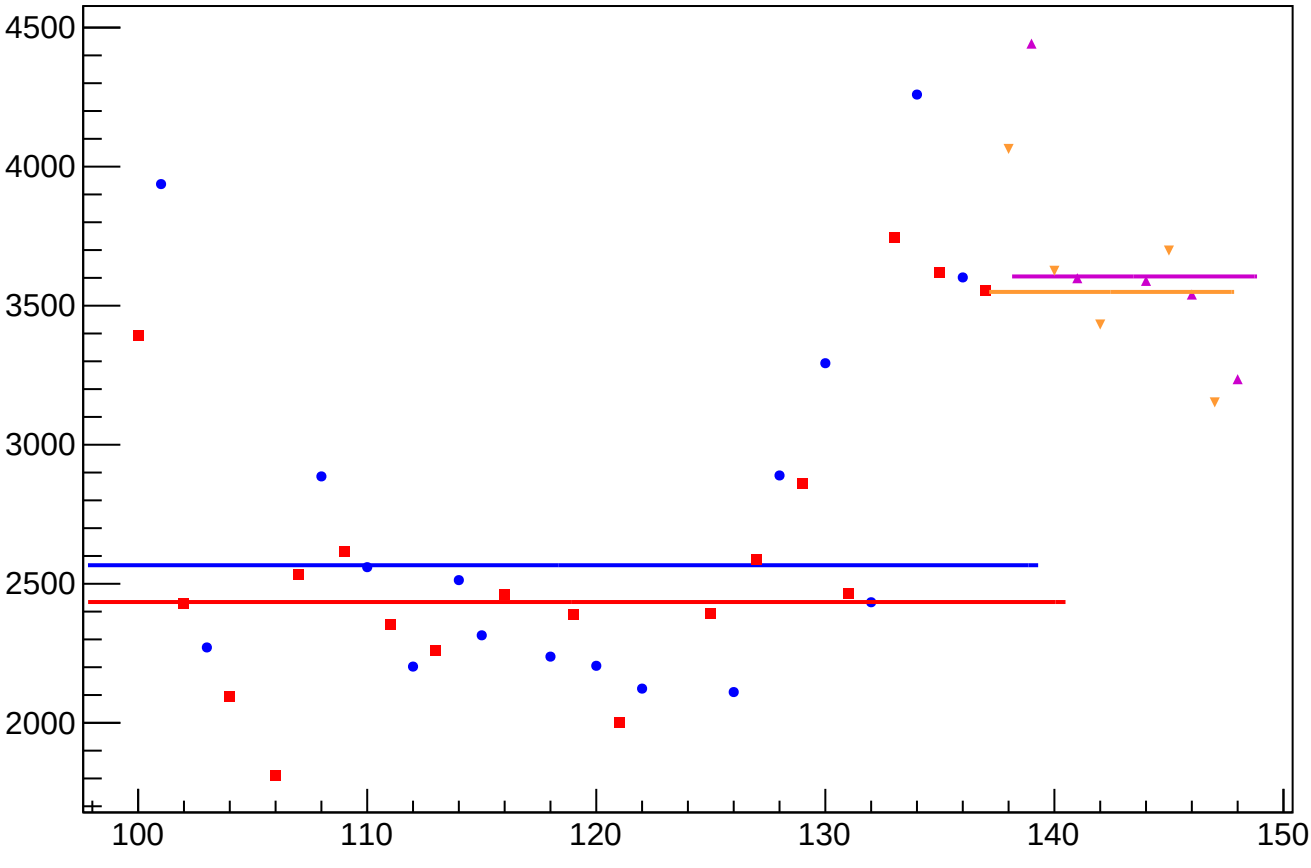
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 951.294+/-0.202 χ^2/NDF:1078269.3/20

Out: 932.123+/-0.204 χ^2/NDF:951865.9/22

All: 941.772+/-0.144 χ^2/NDF: 2034591.4/43


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -3207.018+/-1860.100 χ²/NDF:5.7/4
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -1036.808+/-1737.373 χ²/NDF:1.2/4
Left: -2047.963+/-1269.680 χ²/NDF: 7.7/9
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 186.009+/-853.476 χ²/NDF:16.6/20
Out: -609.694+/-826.170 χ²/NDF:25.4/22
All: -224.775+/-593.609 χ²/NDF: 42.4/43



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3549.511+/-1.315 χ^2/NDF:55079.2/4

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

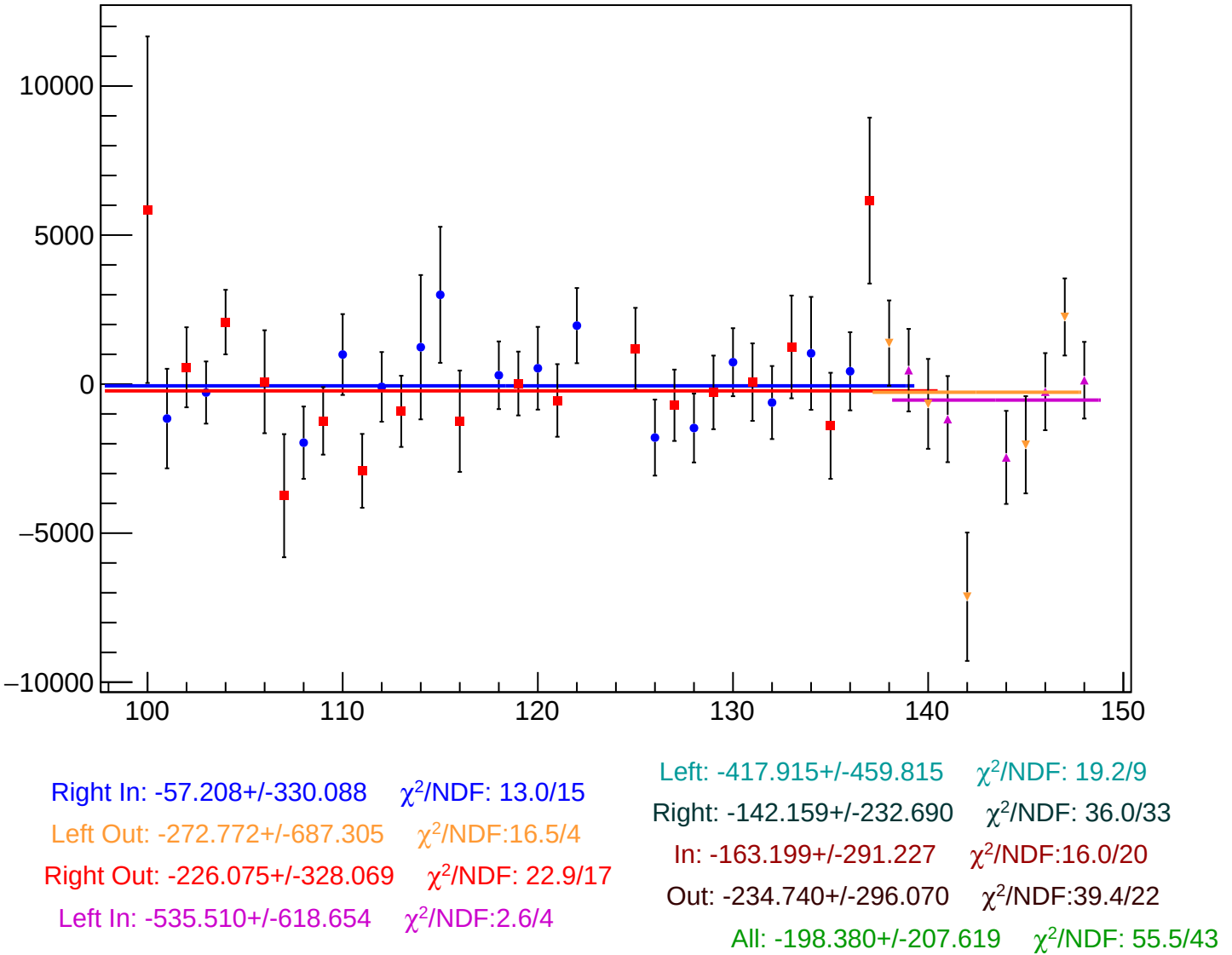
Left: 3579.212+/-0.898 χ^2/NDF: 138482.0/9

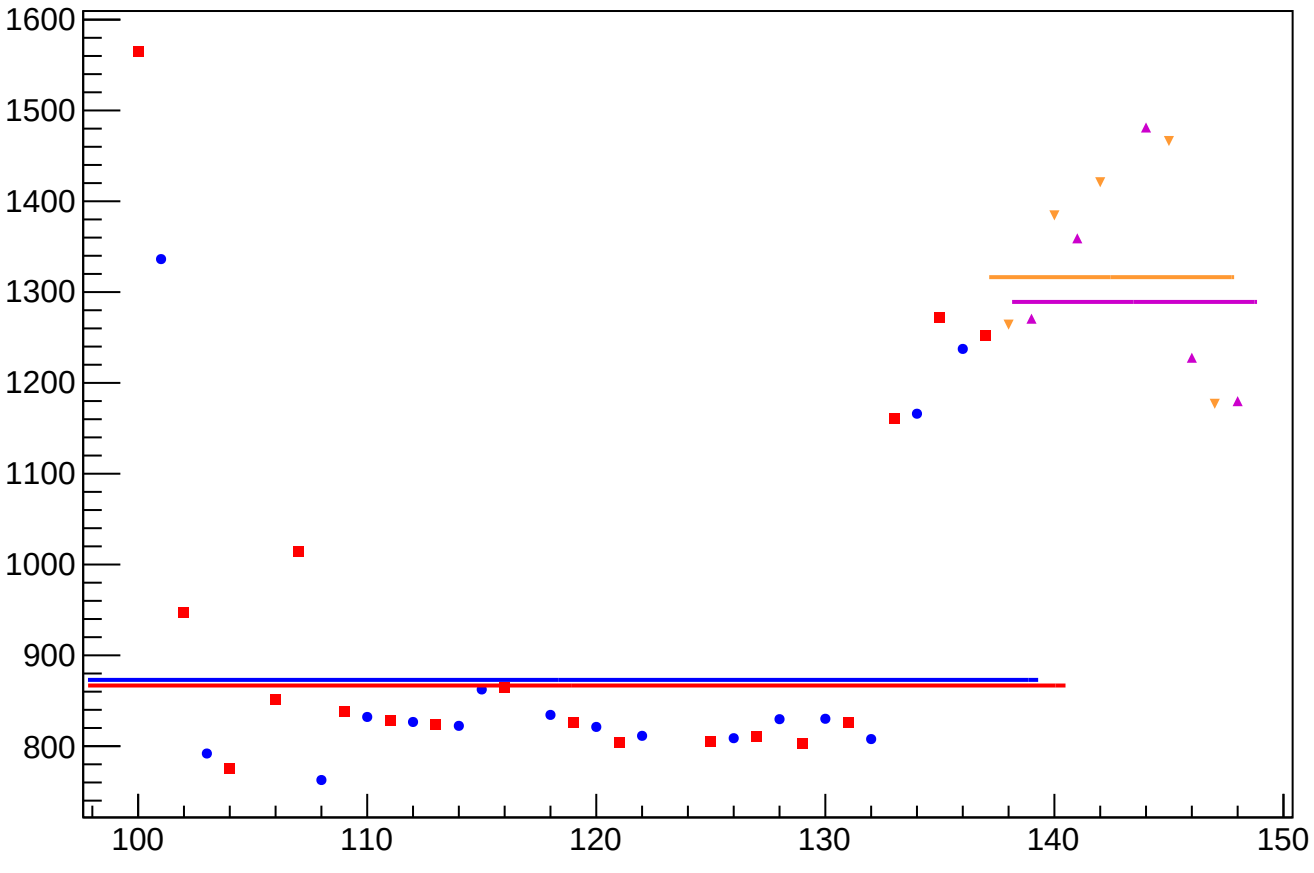
Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2817.319+/-0.603 χ^2/NDF:1290349.9/20

Out: 2654.405+/-0.584 χ^2/NDF:1066108.7/22

All: 2733.214+/-0.420 χ^2/NDF: 2394079.3/43


dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -57.208+/-330.088 χ²/NDF: 13.0/15
Left Out: -272.772+/-687.305 χ²/NDF:16.5/4
Right Out: -226.075+/-328.069 χ²/NDF: 22.9/17
Left In: -535.510+/-618.654 χ²/NDF:2.6/4
Left: -417.915+/-459.815 χ²/NDF: 19.2/9
Right: -142.159+/-232.690 χ²/NDF: 36.0/33
In: -163.199+/-291.227 χ²/NDF:16.0/20
Out: -234.740+/-296.070 χ²/NDF:39.4/22
All: -198.380+/-207.619 χ²/NDF: 55.5/43



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1316.445+/-0.486 χ^2/NDF:51584.6/4

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1289.172+/-0.437 χ^2/NDF:54260.5/4

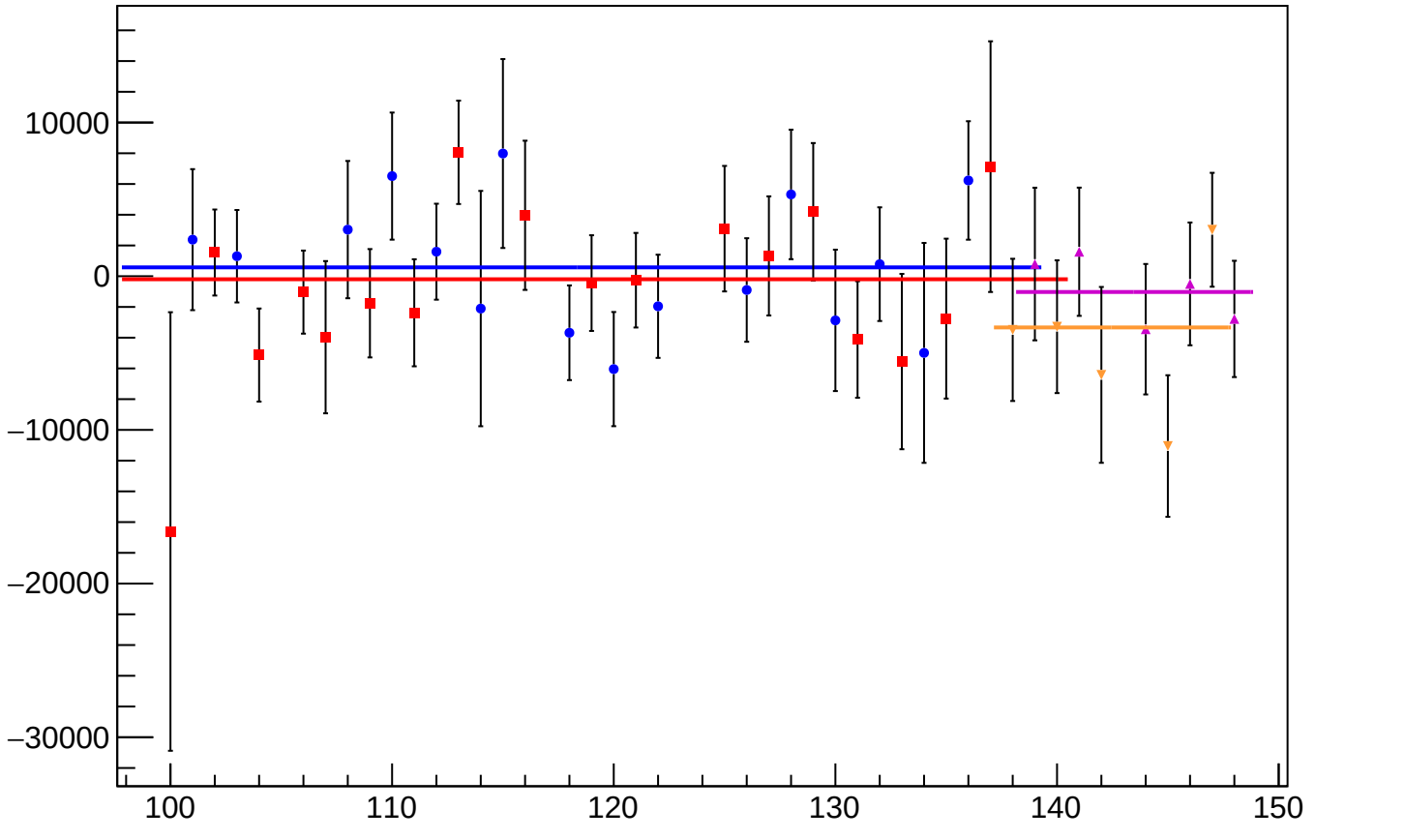
Left: 1301.379+/-0.325 χ^2/NDF: 107584.8/9

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 965.201+/-0.206 χ^2/NDF:1175961.4/20

Out: 950.080+/-0.209 χ^2/NDF:1039467.2/22

All: 957.759+/-0.147 χ^2/NDF: 2218082.3/43



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3333.701+/-1996.825 χ^2/NDF:6.0/4

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1025.736+/-1869.827 χ^2/NDF:1.1/4

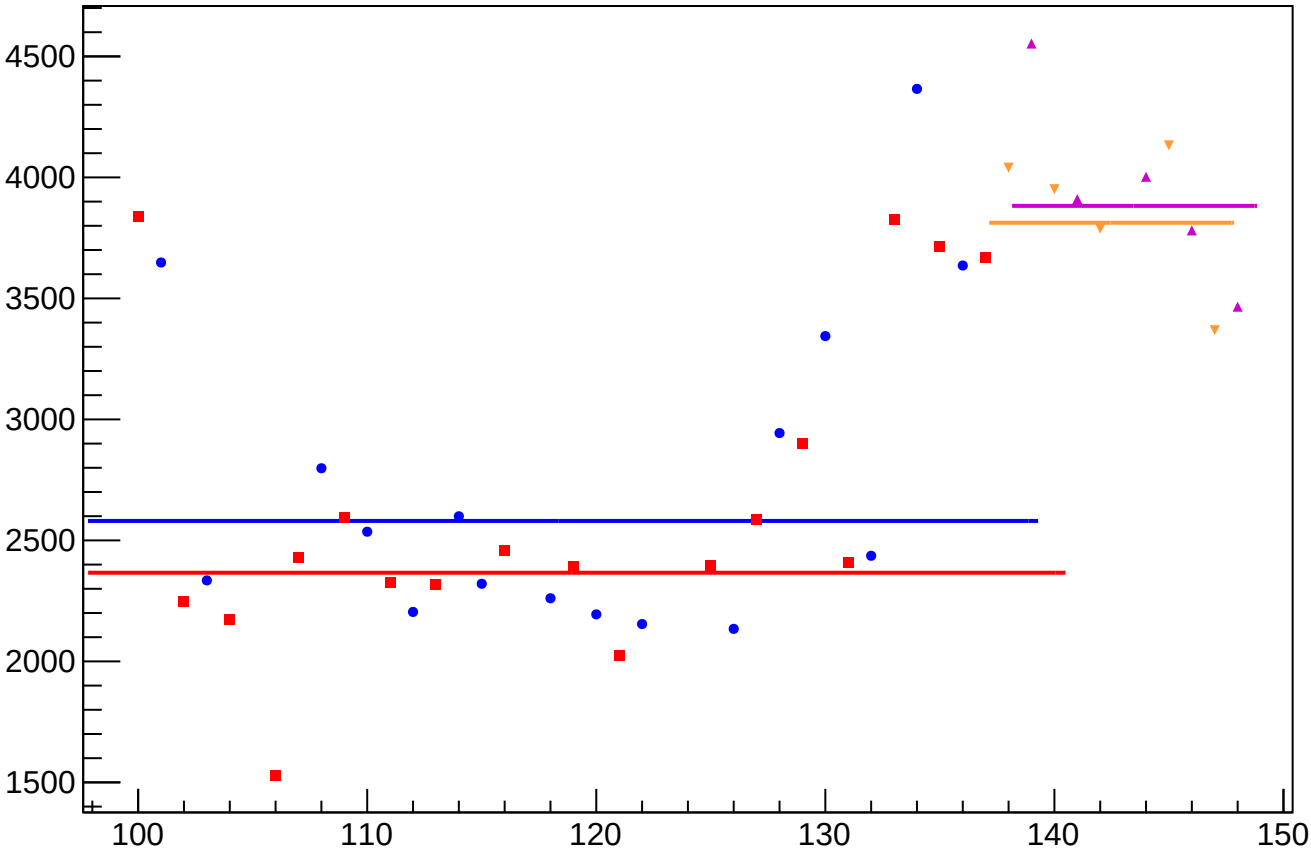
Left: -2103.997+/-1364.857 χ^2/NDF: 7.8/9

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 227.556+/-871.398 χ^2/NDF:16.4/20

Out: -721.665+/-816.048 χ^2/NDF:25.3/22

All: -278.157+/-595.640 χ^2/NDF: 42.2/43



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3812.659+/-1.412 χ^2/NDF:45290.5/4

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 3882.459+/-1.322 χ^2/NDF:63711.6/4

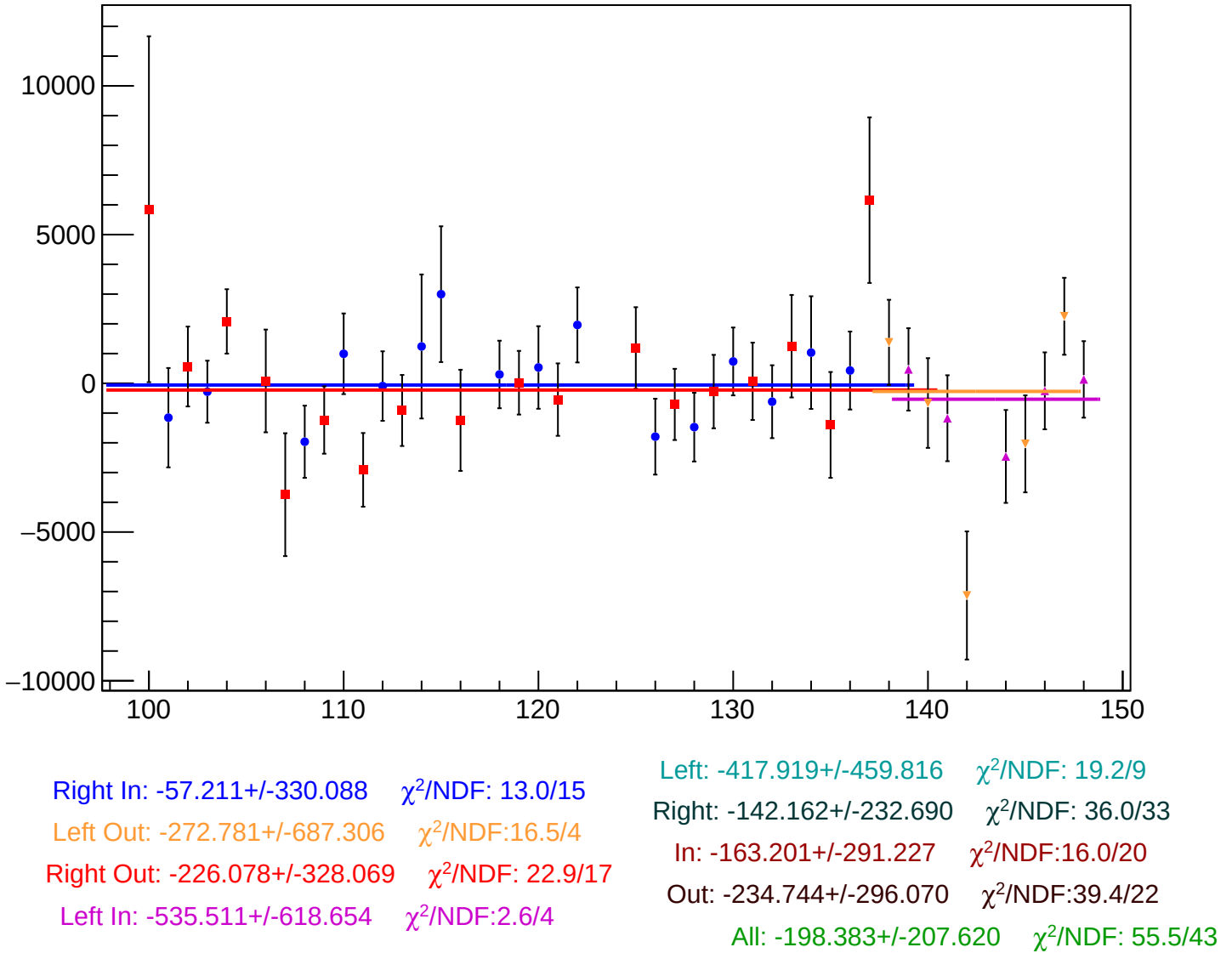
Left: 3849.849+/-0.965 χ^2/NDF: 110304.2/9

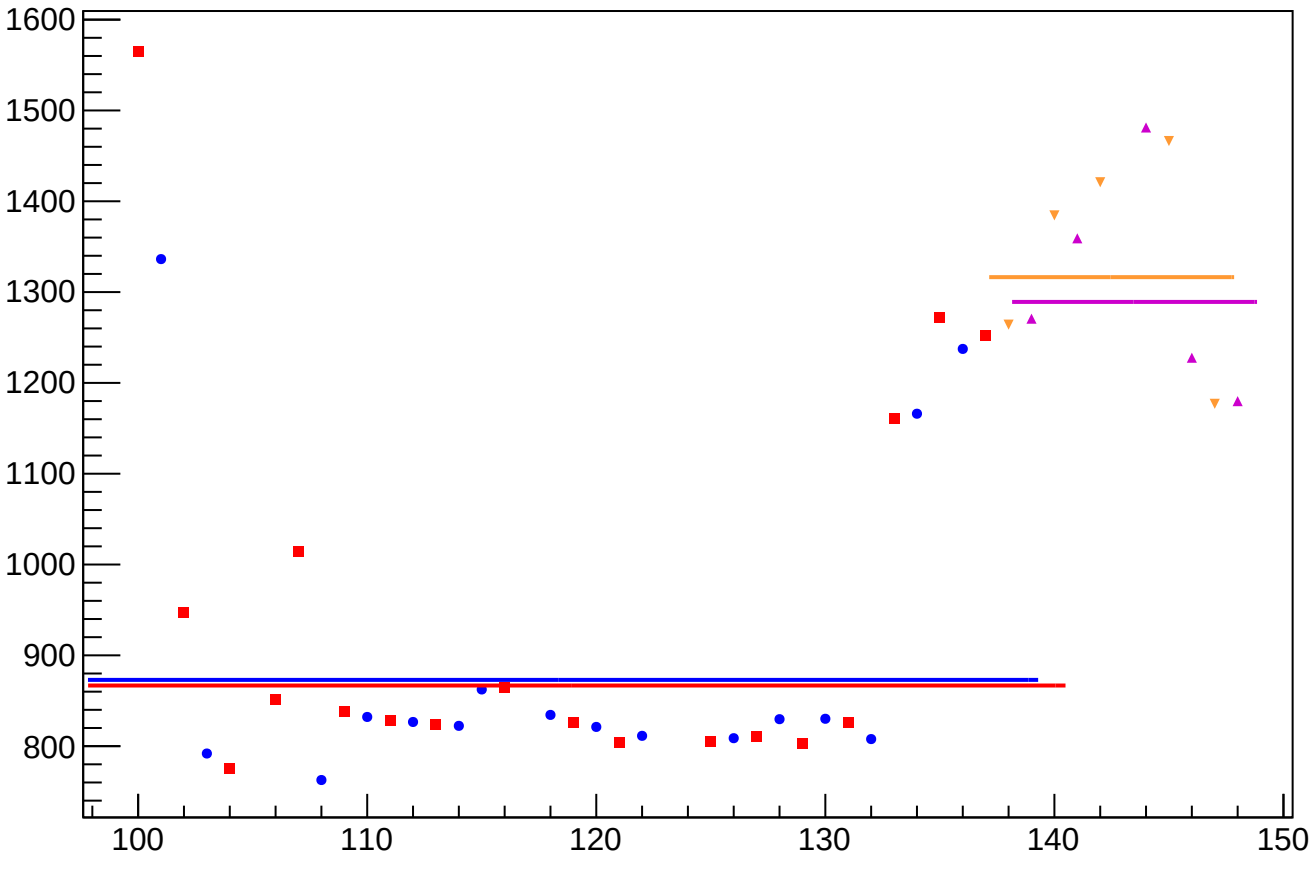
Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2863.170+/-0.616 χ^2/NDF:1440079.5/20

Out: 2607.955+/-0.577 χ^2/NDF:1530907.7/22

All: 2727.200+/-0.421 χ^2/NDF: 3062387.2/43


eigen_dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -57.211+/-330.088 χ²/NDF: 13.0/15
Left Out: -272.781+/-687.306 χ²/NDF:16.5/4
Right Out: -226.078+/-328.069 χ²/NDF: 22.9/17
Left In: -535.511+/-618.654 χ²/NDF:2.6/4
Left: -417.919+/-459.816 χ²/NDF: 19.2/9
Right: -142.162+/-232.690 χ²/NDF: 36.0/33
In: -163.201+/-291.227 χ²/NDF:16.0/20
Out: -234.744+/-296.070 χ²/NDF:39.4/22
All: -198.383+/-207.620 χ²/NDF: 55.5/43



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1316.446+/-0.486 χ^2/NDF:51585.8/4

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1289.173+/-0.437 χ^2/NDF:54261.2/4

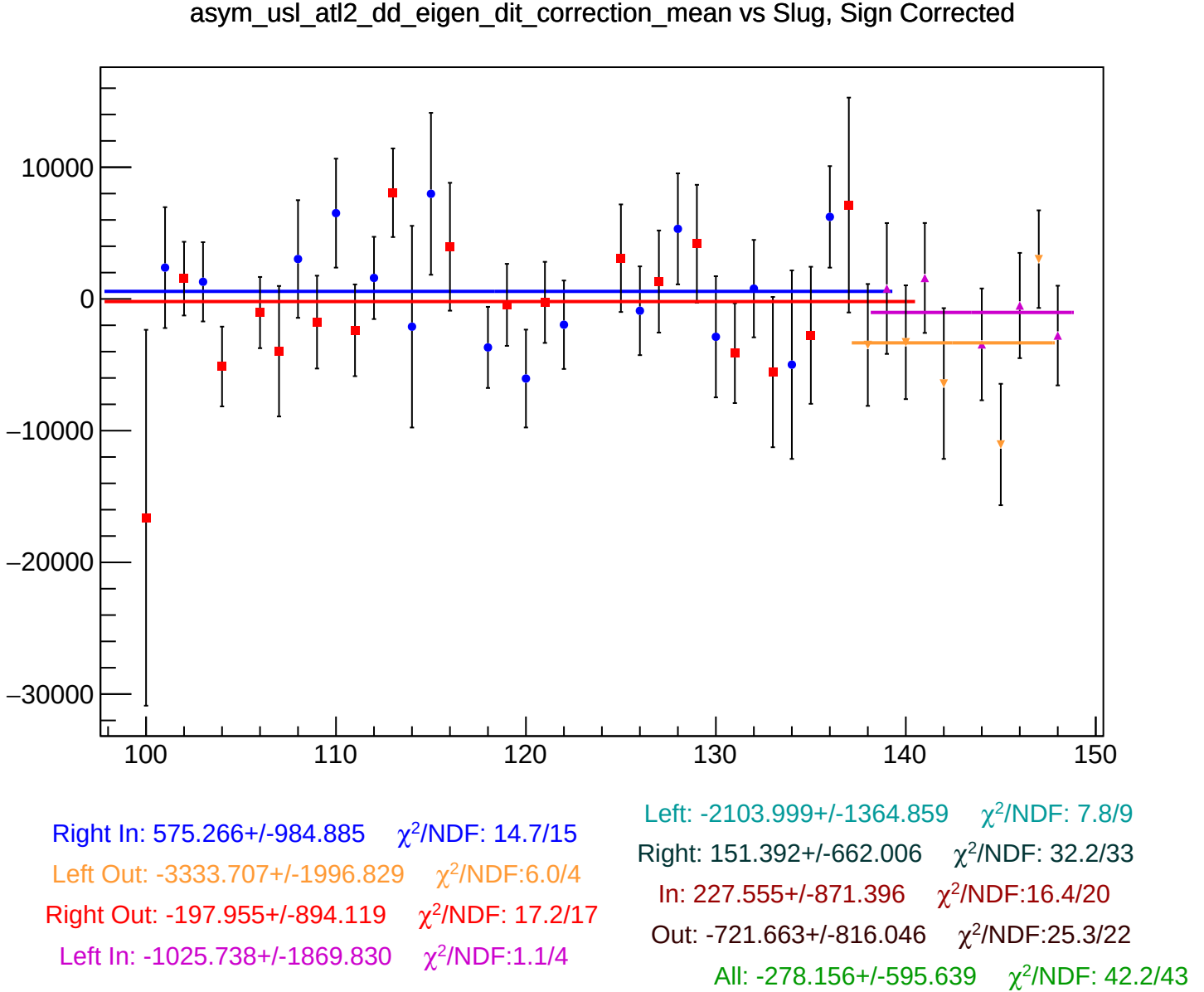
Left: 1301.380+/-0.325 χ^2/NDF: 107586.6/9

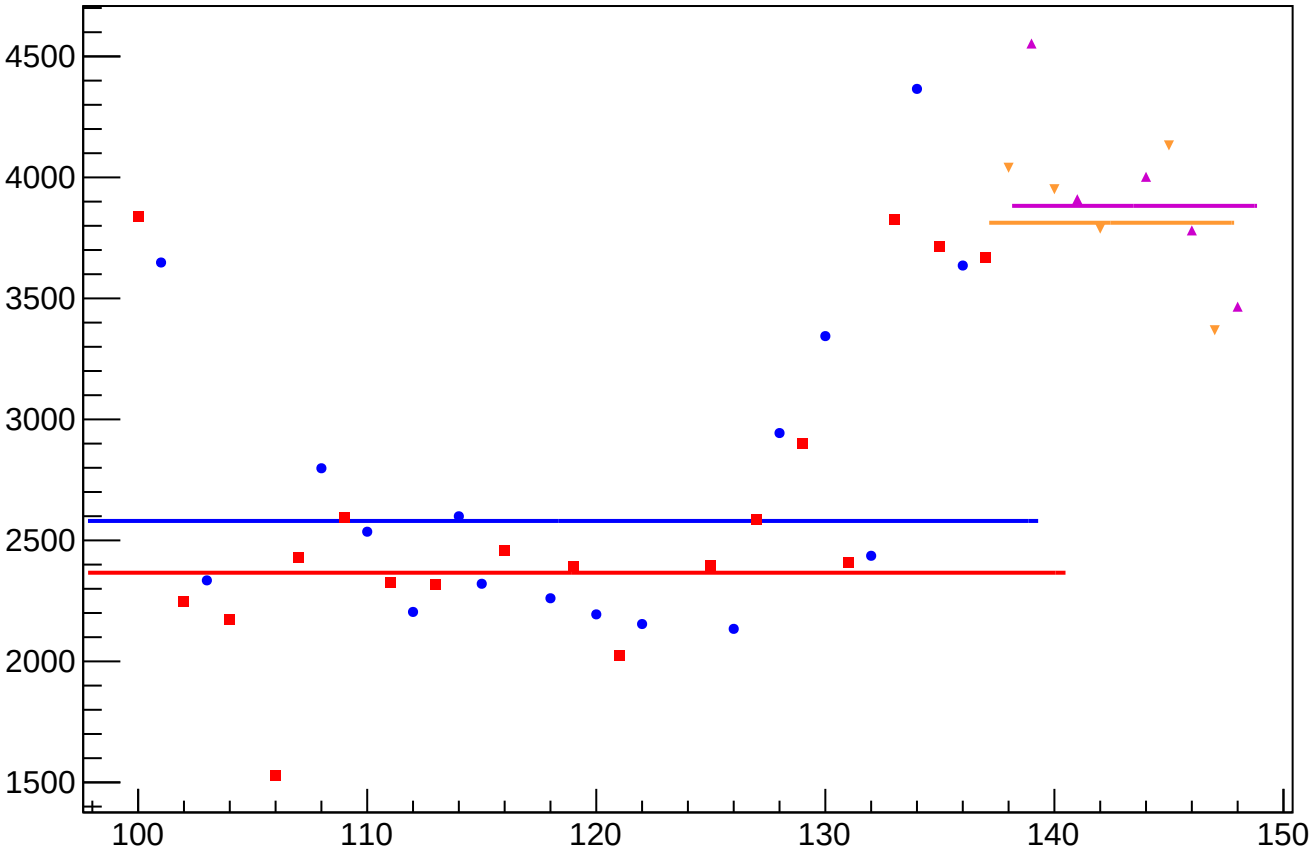
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 965.201+/-0.206 χ^2/NDF:1175964.1/20

Out: 950.080+/-0.209 χ^2/NDF:1039470.5/22

All: 957.759+/-0.147 χ^2/NDF: 2218088.3/43


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: -3333.707+/-1996.829 χ²/NDF:6.0/4
Right Out: -197.955+/-894.119 χ²/NDF: 17.2/17
Left In: -1025.738+/-1869.830 χ²/NDF:1.1/4
Left: -2103.999+/-1364.859 χ²/NDF: 7.8/9
Right: 151.392+/-662.006 χ²/NDF: 32.2/33
In: 227.555+/-871.396 χ²/NDF:16.4/20
Out: -721.663+/-816.046 χ²/NDF:25.3/22
All: -278.156+/-595.639 χ²/NDF: 42.2/43



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3812.666+/-1.412 χ^2/NDF:45292.1/4

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 3882.464+/-1.322 χ^2/NDF:63713.5/4

Left: 3849.855+/-0.965 χ^2/NDF: 110307.6/9

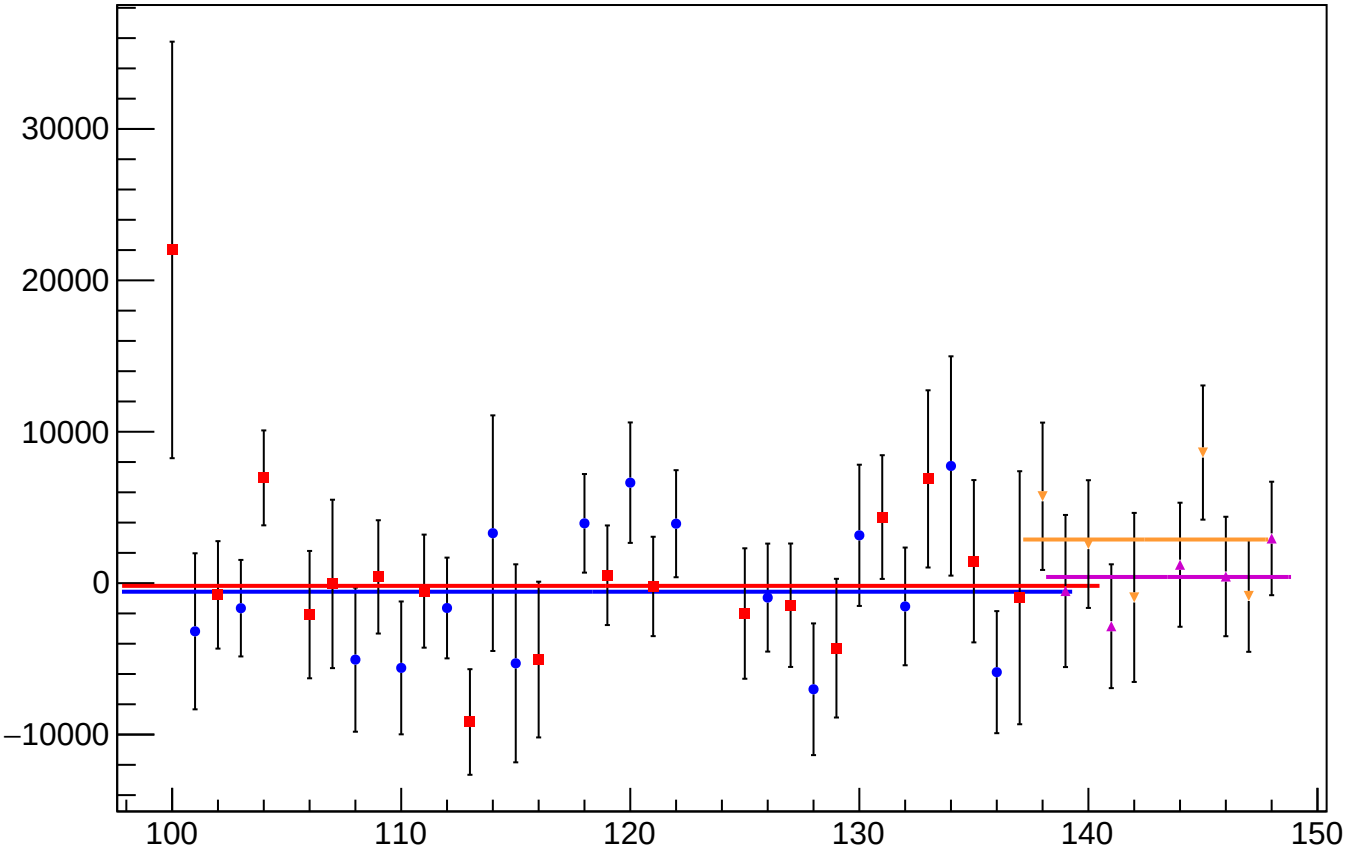
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2863.162+/-0.616 χ^2/NDF:1440104.0/20

Out: 2607.948+/-0.577 χ^2/NDF:1530928.0/22

All: 2727.193+/-0.421 χ^2/NDF: 3062431.7/43

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2882.386+/-1981.000 χ^2/NDF:3.5/4

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 408.770+/-1842.850 χ^2/NDF:1.2/4

Left: 1556.326+/-1349.290 χ^2/NDF: 5.5/9

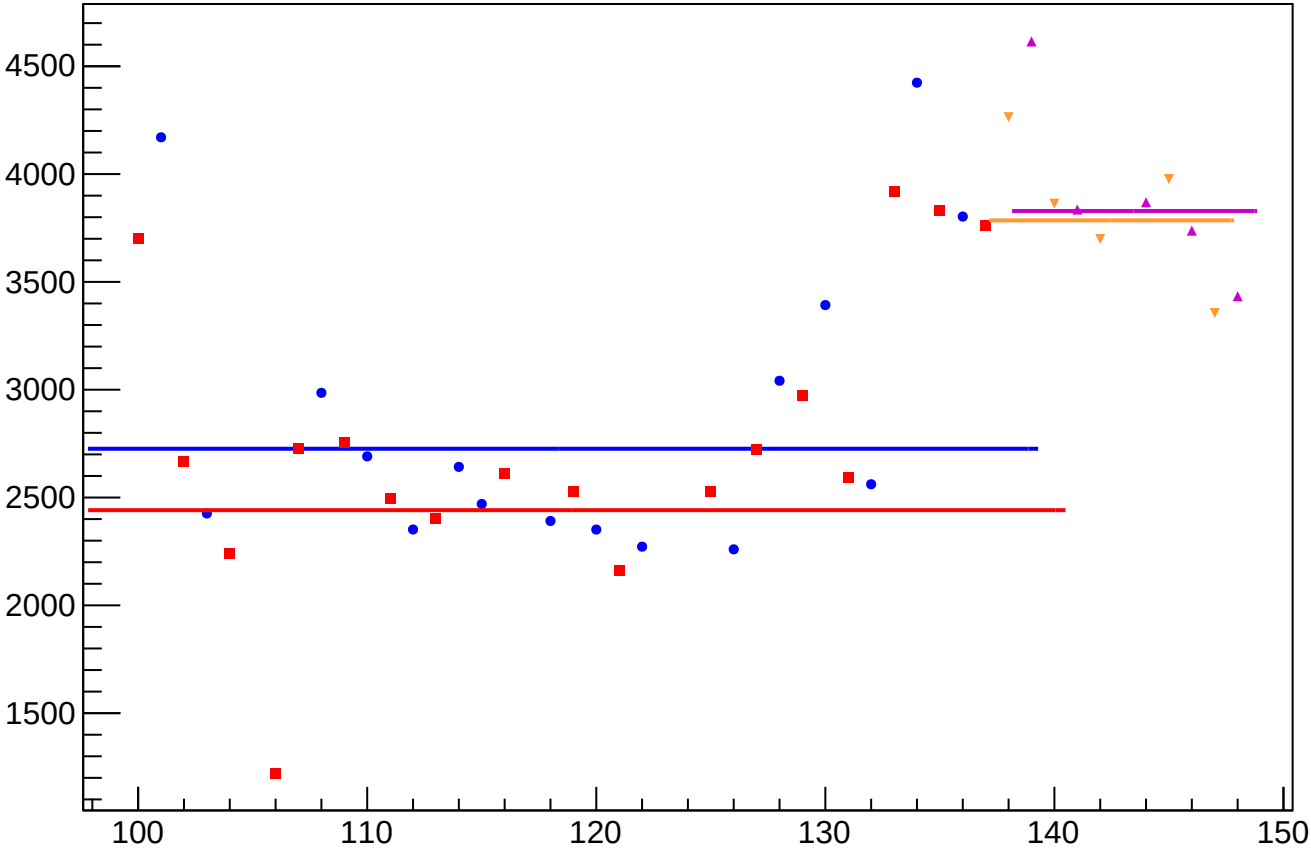
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -330.507+/-905.931 χ^2/NDF:17.6/20

Out: 431.524+/-884.421 χ^2/NDF:24.9/22

All: 59.663+/-632.848 χ^2/NDF: 42.9/43

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3785.270+/-1.401 χ^2/NDF:51326.4/4

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3828.819+/-1.303 χ^2/NDF:72475.3/4

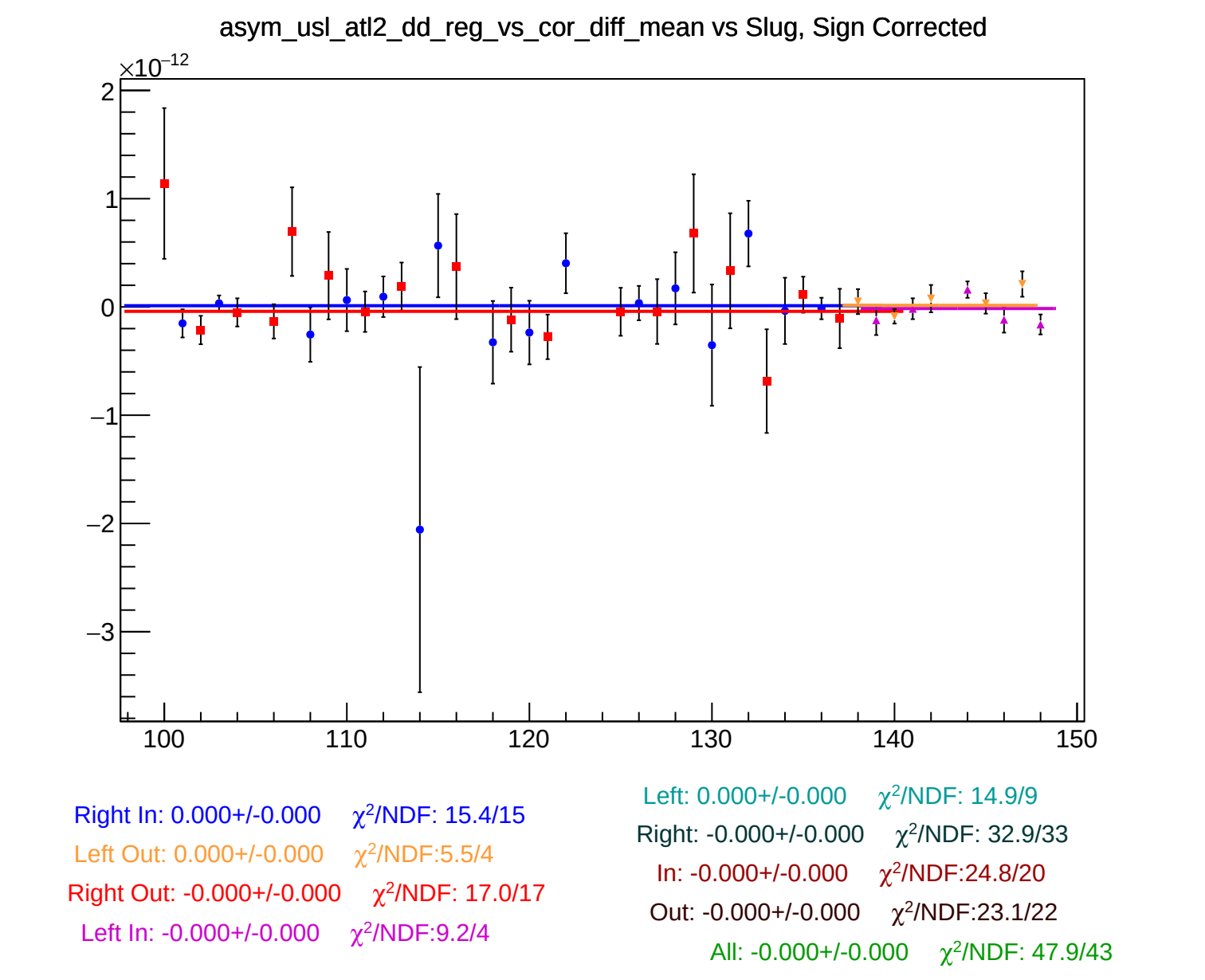
Left: 3808.616+/-0.954 χ^2/NDF: 124319.9/9

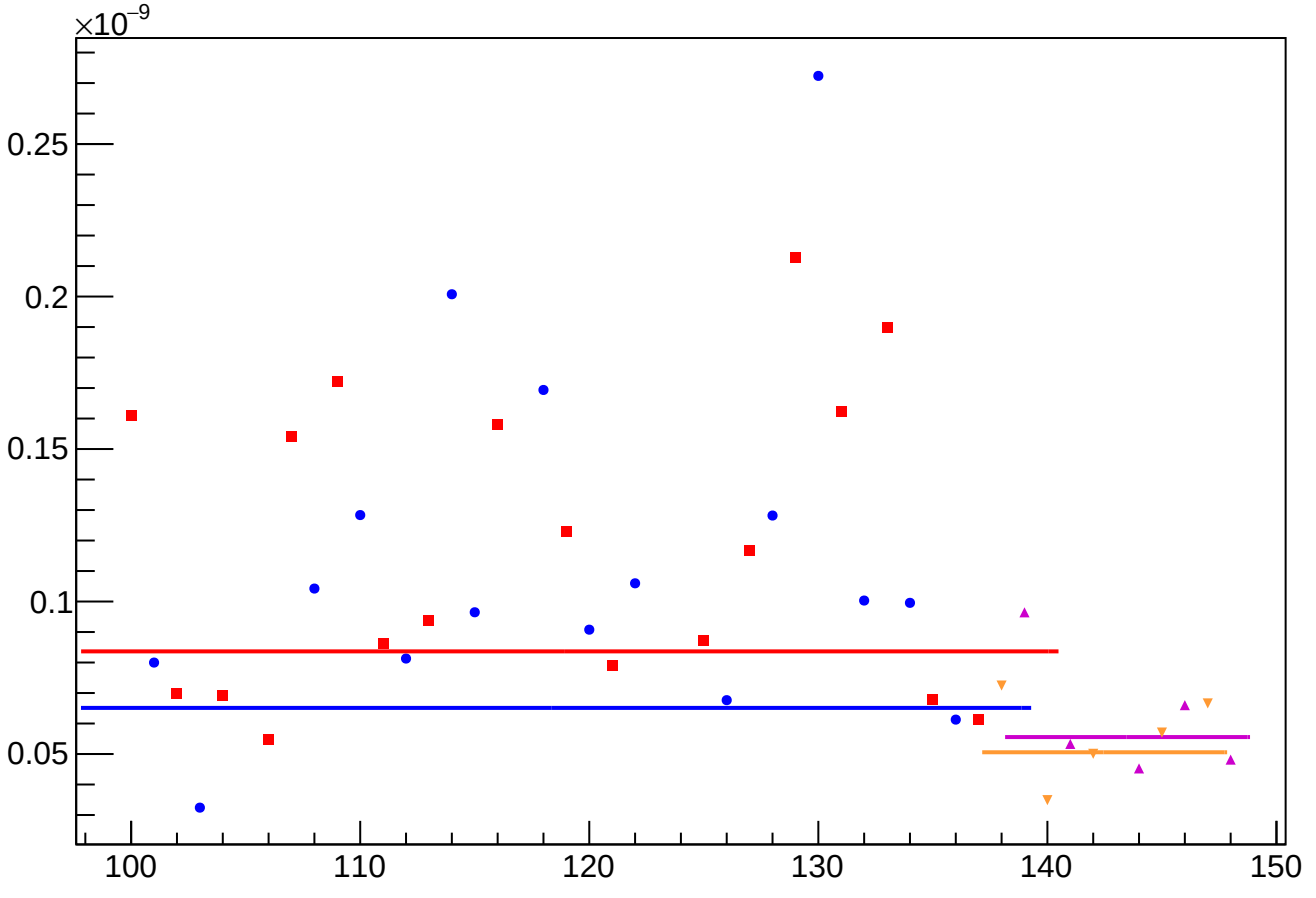
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2992.686+/-0.641 χ^2/NDF:1238479.0/20

Out: 2689.716+/-0.602 χ^2/NDF:1692808.8/22

All: 2831.844+/-0.439 χ^2/NDF: 3050039.2/43


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:5.5/4
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: -0.000+/-0.000 χ²/NDF:9.2/4
Left: 0.000+/-0.000 χ²/NDF: 14.9/9
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: -0.000+/-0.000 χ²/NDF:24.8/20
Out: -0.000+/-0.000 χ²/NDF:23.1/22
All: -0.000+/-0.000 χ²/NDF: 47.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:228925.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:243208.4/4

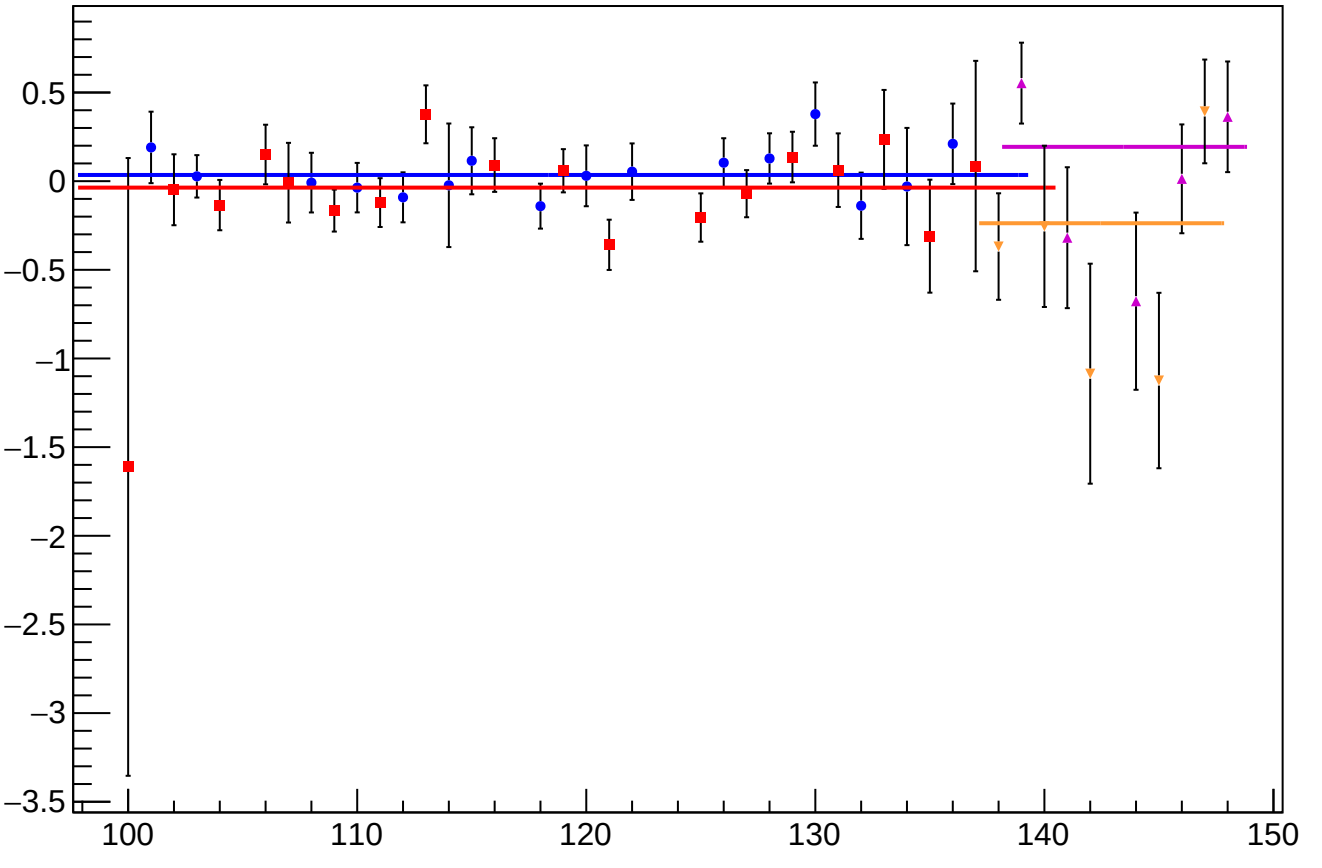
Left: 0.000+/-0.000 χ^2/NDF: 485414.8/9

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1513263.6/20

Out: 0.000+/-0.000 χ^2/NDF:1388837.8/22

All: 0.000+/-0.000 χ^2/NDF: 2912013.3/43



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.194+/-0.141 χ^2/NDF:7.8/4

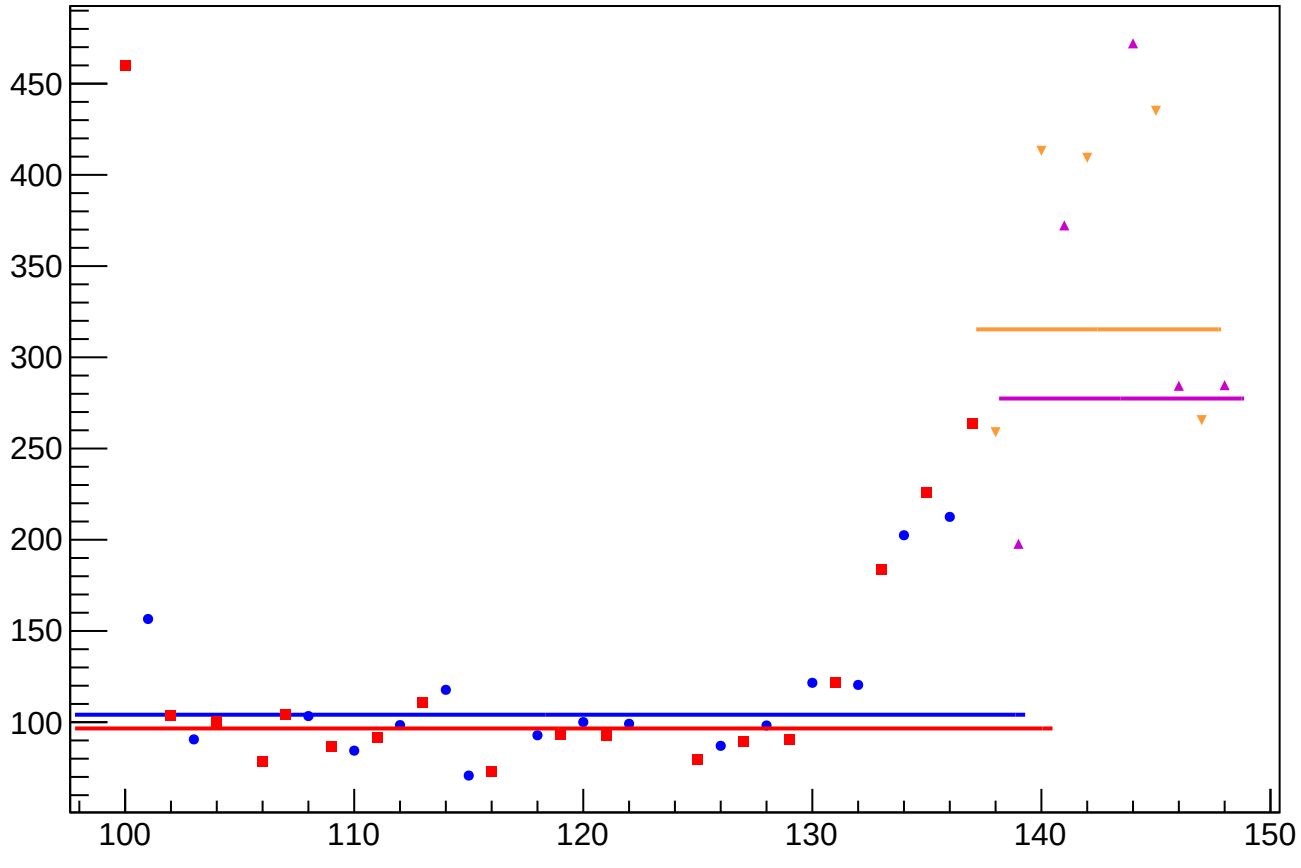
Left: 0.019+/-0.109 χ^2/NDF: 21.5/9

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.039 χ^2/NDF:18.7/20

Out: -0.046+/-0.038 χ^2/NDF:33.3/22

All: -0.001+/-0.027 χ^2/NDF: 55.0/43



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 315.326+/-0.121 χ^2/NDF:384234.9/4

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

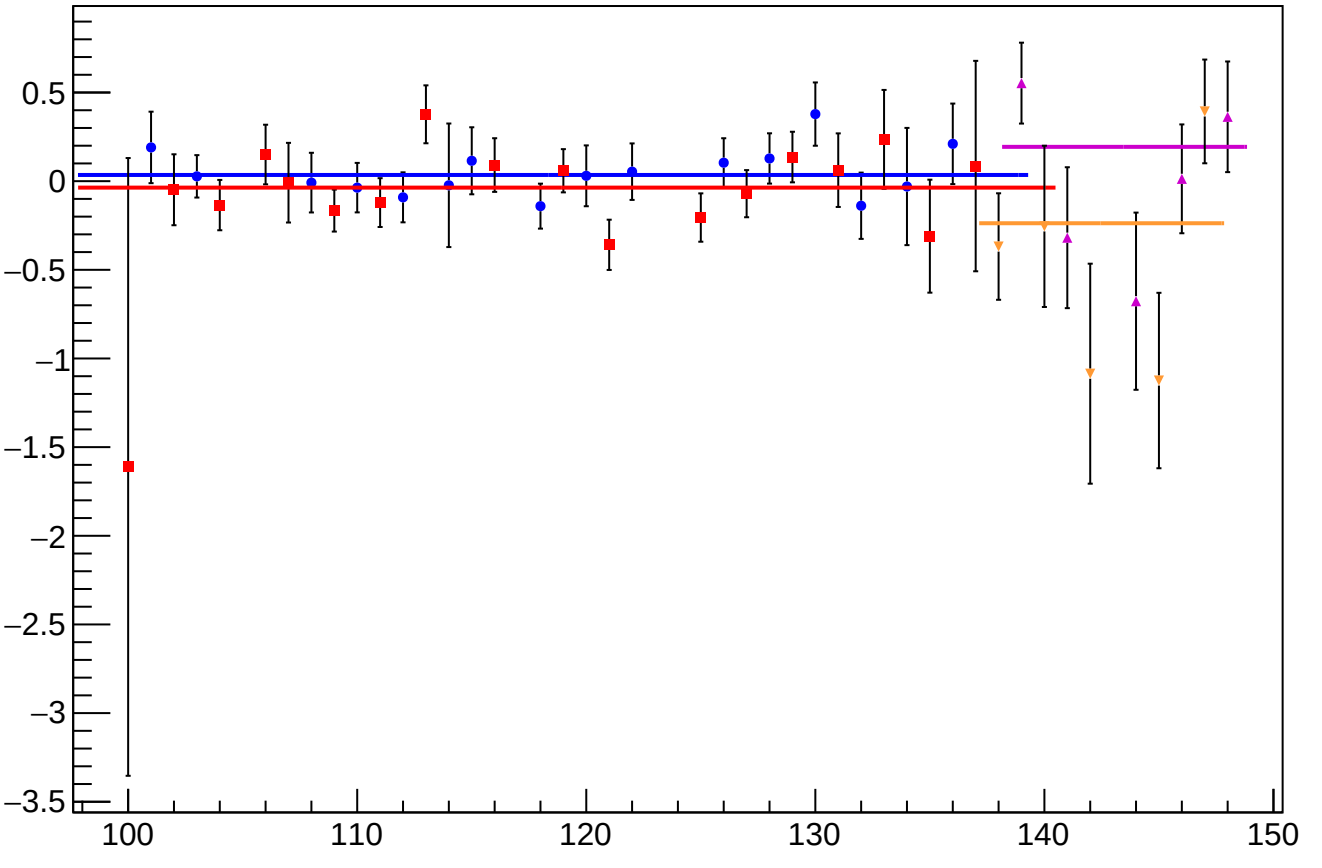
Left: 292.757+/-0.077 χ^2/NDF: 1106583.6/9

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 117.666+/-0.028 χ^2/NDF:4446877.8/20

Out: 107.361+/-0.027 χ^2/NDF:4460096.7/22

All: 112.318+/-0.019 χ^2/NDF: 8977997.7/43



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.194+/-0.141 χ^2/NDF:7.8/4

Left: 0.019+/-0.109 χ^2/NDF: 21.5/9

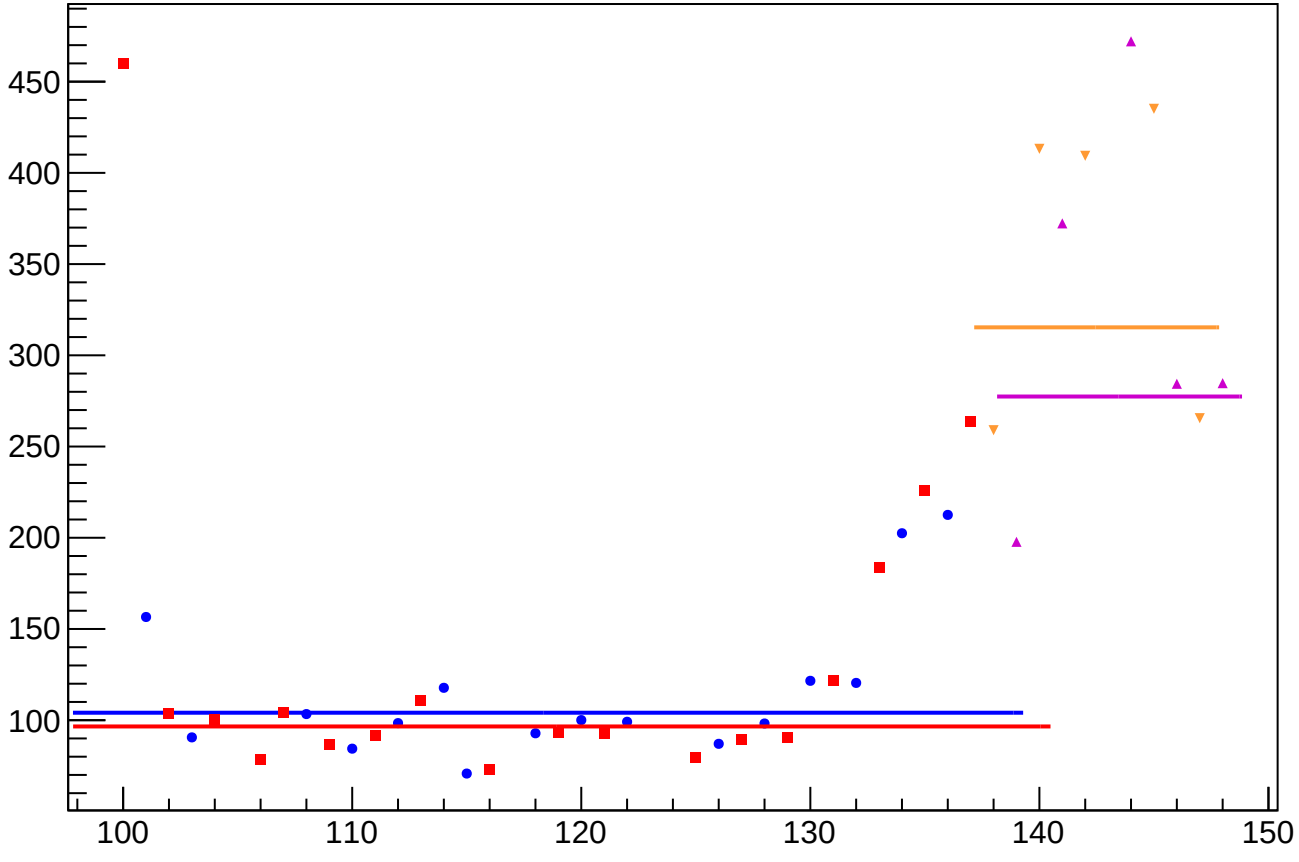
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.039 χ^2/NDF:18.7/20

Out: -0.046+/-0.038 χ^2/NDF:33.3/22

All: -0.001+/-0.027 χ^2/NDF: 55.0/43

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: 315.326+/-0.121 χ^2/NDF:384234.9/4

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

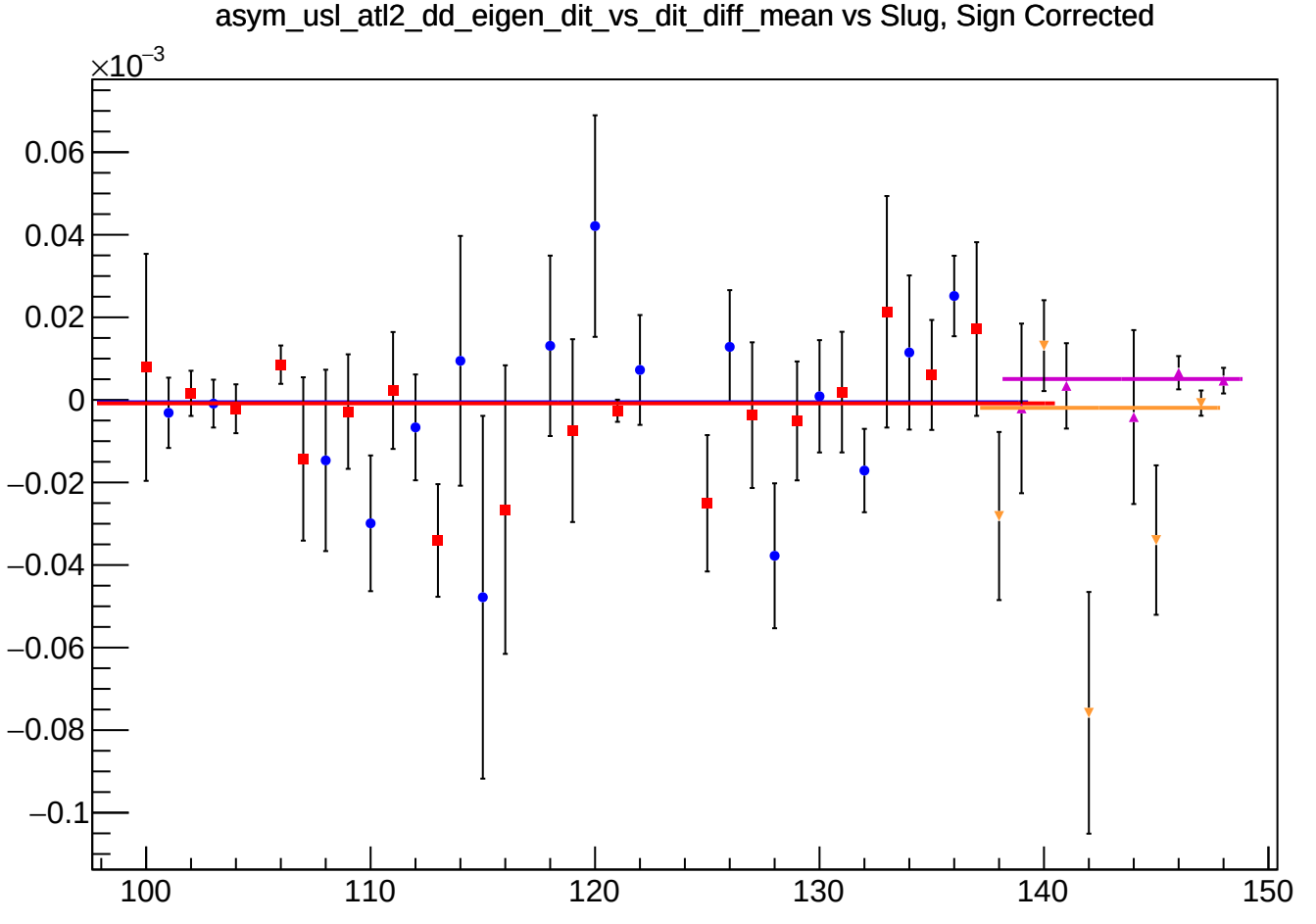
Left: 292.757+/-0.077 χ^2/NDF: 1106583.6/9

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 117.666+/-0.028 χ^2/NDF:4446877.8/20

Out: 107.361+/-0.027 χ^2/NDF:4460096.7/22

All: 112.318+/-0.019 χ^2/NDF: 8977997.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/4

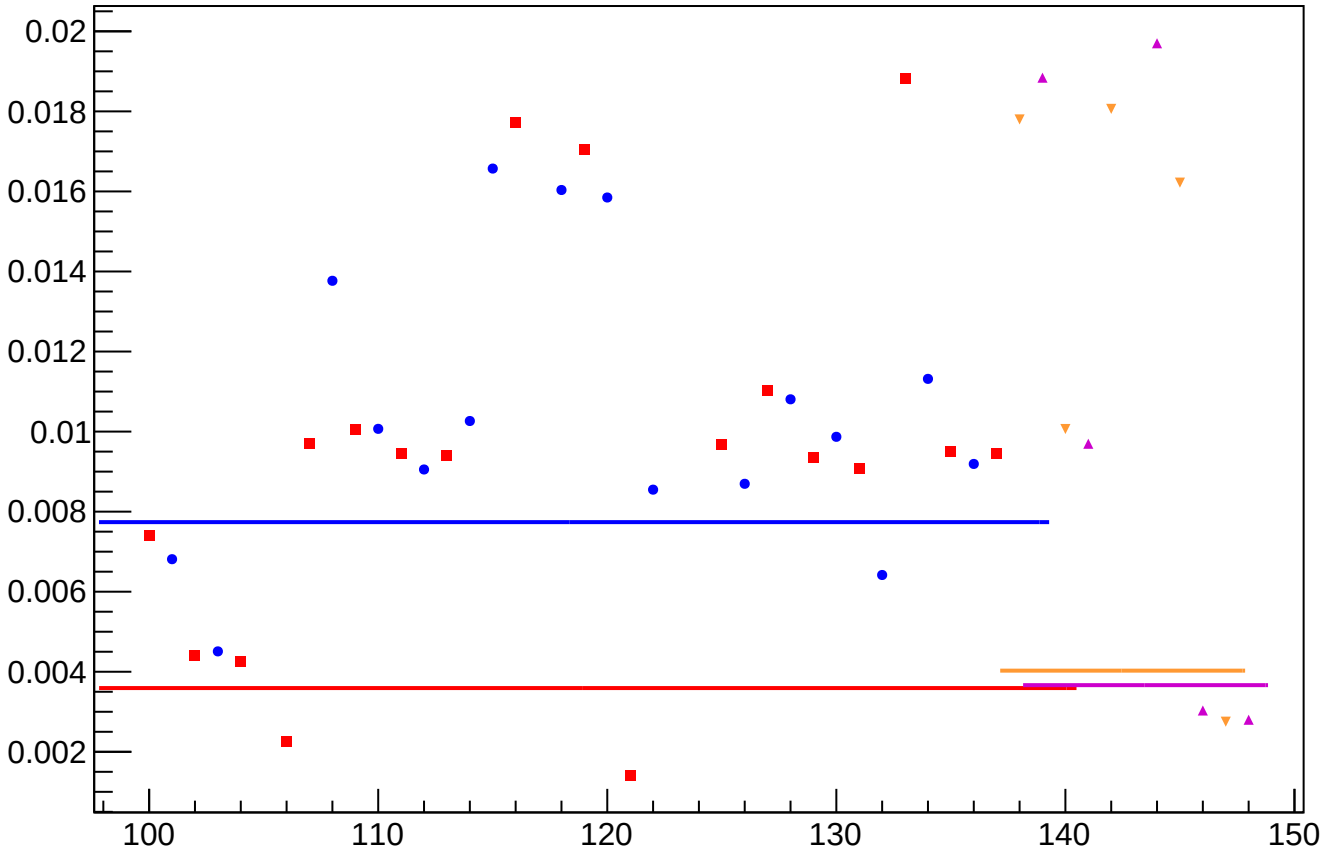
Left: 0.000+/-0.000 χ^2/NDF: 17.2/9

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:26.5/20

Out: -0.000+/-0.000 χ^2/NDF:29.1/22

All: 0.000+/-0.000 χ^2/NDF: 58.6/43



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:3231964.8/4

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:3135252.8/4

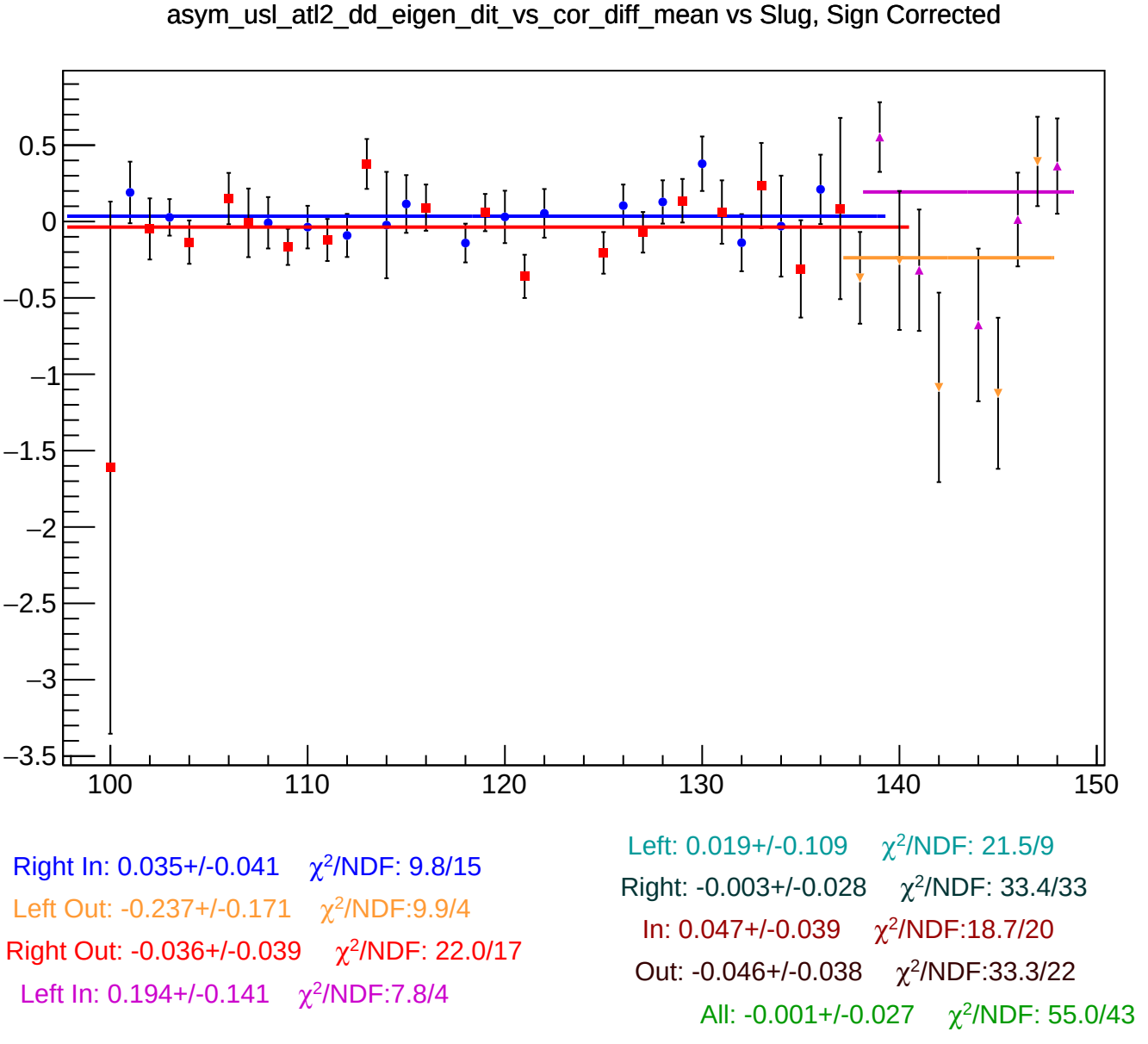
Left: 0.004+/-0.000 χ^2/NDF: 6386279.6/9

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

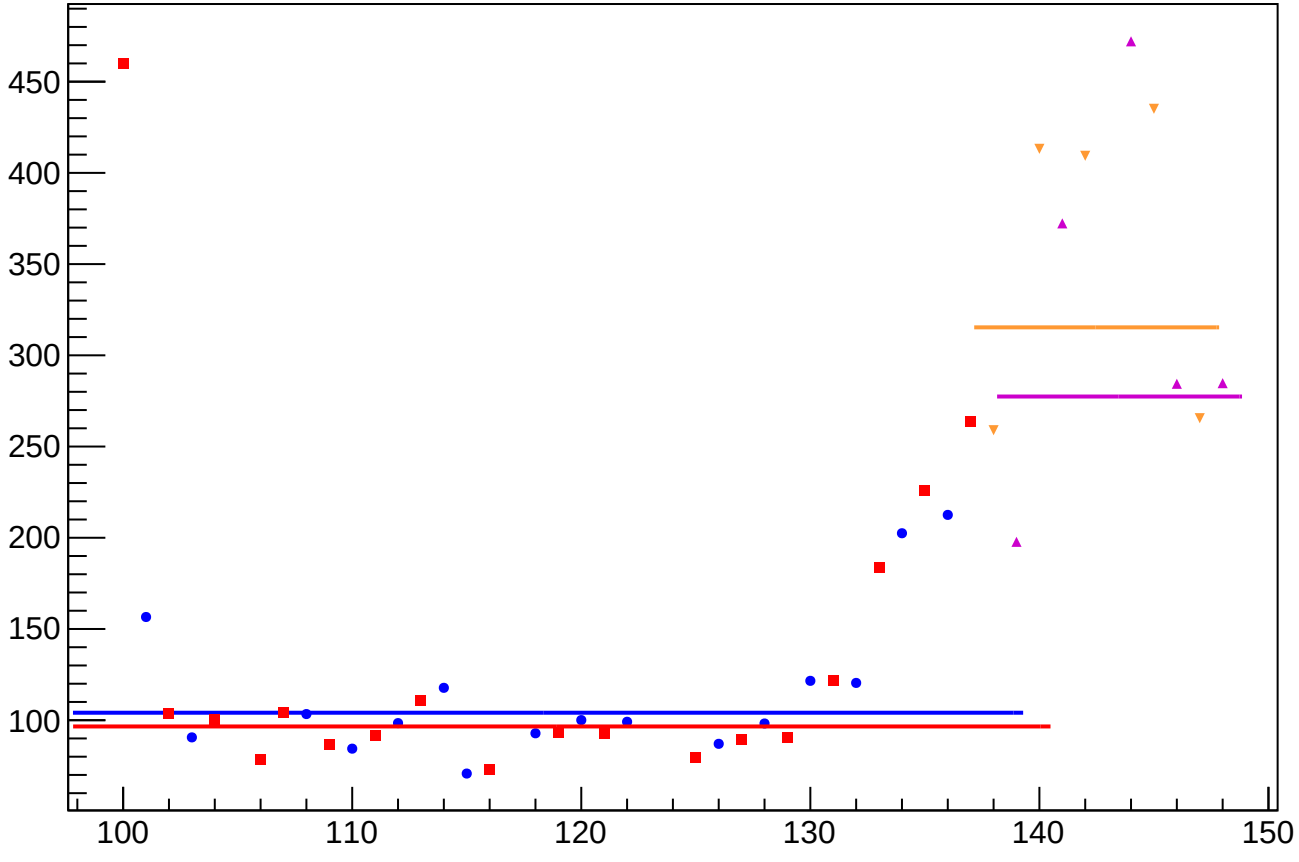
In: 0.005+/-0.000 χ^2/NDF:7010215.7/20

Out: 0.004+/-0.000 χ^2/NDF:9629537.1/22

All: 0.004+/-0.000 χ^2/NDF: 17332901.4/43


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.237+/-0.171 χ²/NDF:9.9/4
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.194+/-0.141 χ²/NDF:7.8/4
Left: 0.019+/-0.109 χ²/NDF: 21.5/9
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.047+/-0.039 χ²/NDF:18.7/20
Out: -0.046+/-0.038 χ²/NDF:33.3/22
All: -0.001+/-0.027 χ²/NDF: 55.0/43

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: 315.328+/-0.121 χ^2/NDF:384261.5/4

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

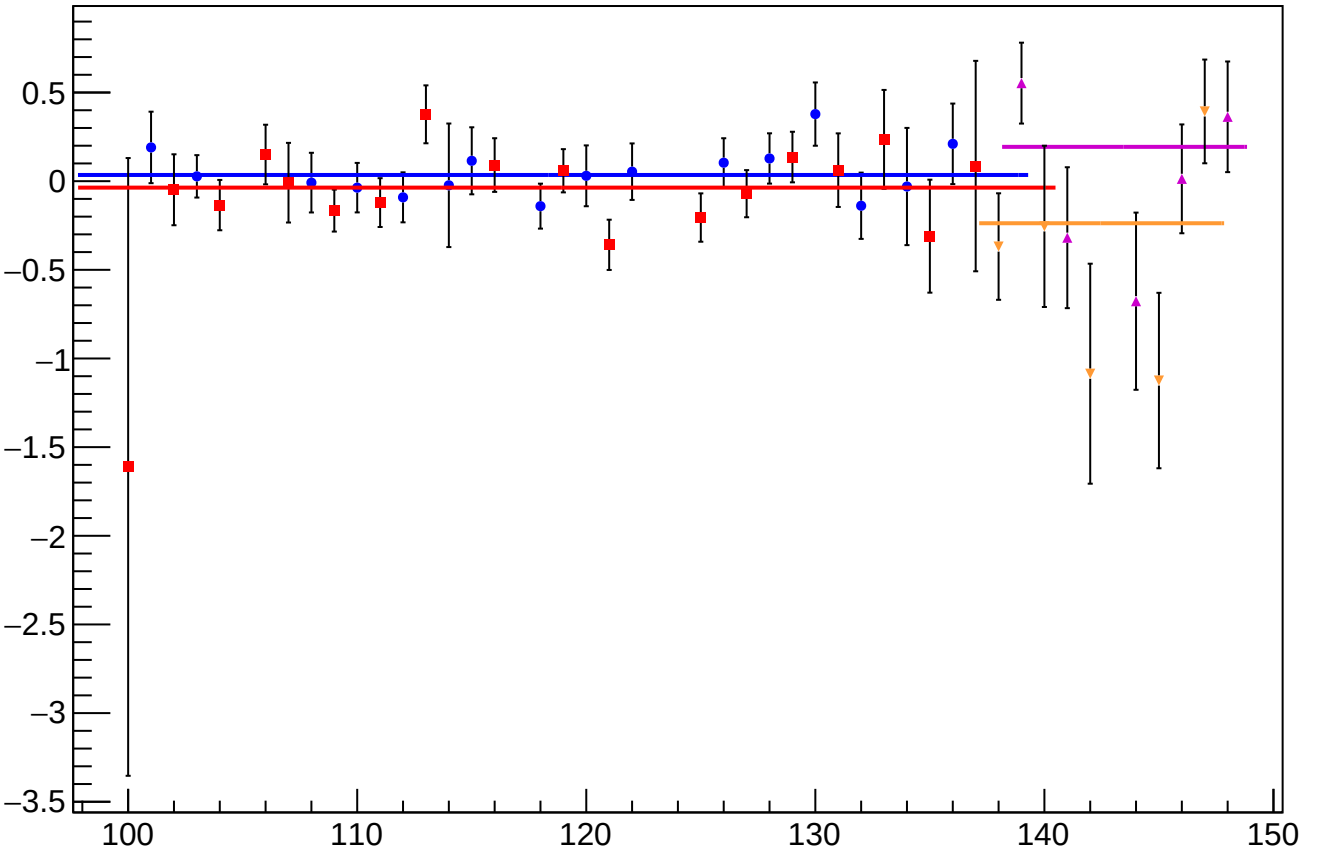
Left: 292.761+/-0.077 χ^2/NDF: 1106577.8/9

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

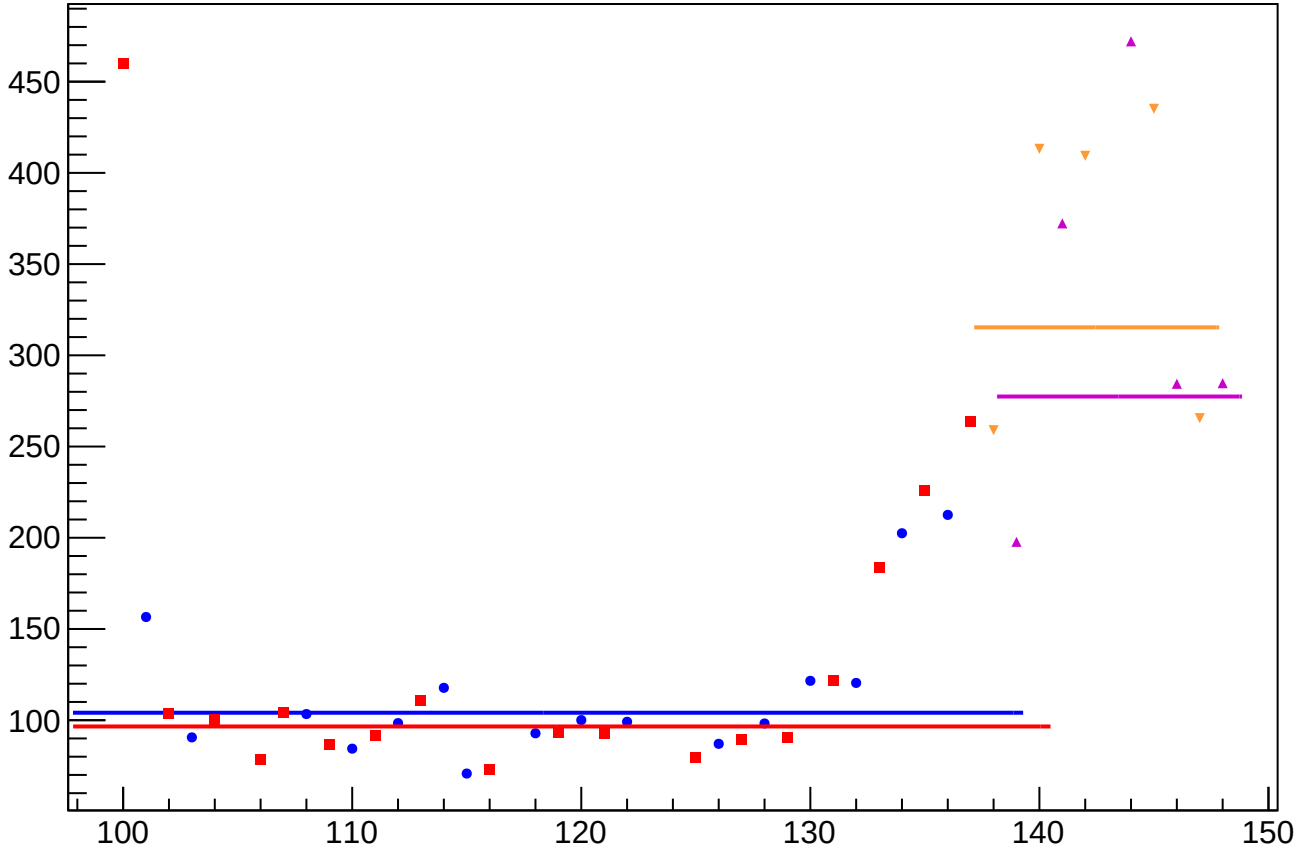
In: 117.667+/-0.028 χ^2/NDF:4446842.0/20

Out: 107.362+/-0.027 χ^2/NDF:4460025.9/22

All: 112.320+/-0.019 χ^2/NDF: 8977883.9/43


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.237+/-0.171 χ²/NDF:9.9/4
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.194+/-0.141 χ²/NDF:7.8/4
Left: 0.019+/-0.109 χ²/NDF: 21.5/9
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.047+/-0.039 χ²/NDF:18.7/20
Out: -0.046+/-0.038 χ²/NDF:33.3/22
All: -0.001+/-0.027 χ²/NDF: 55.0/43

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: 315.328+/-0.121 χ^2/NDF:384261.5/4

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

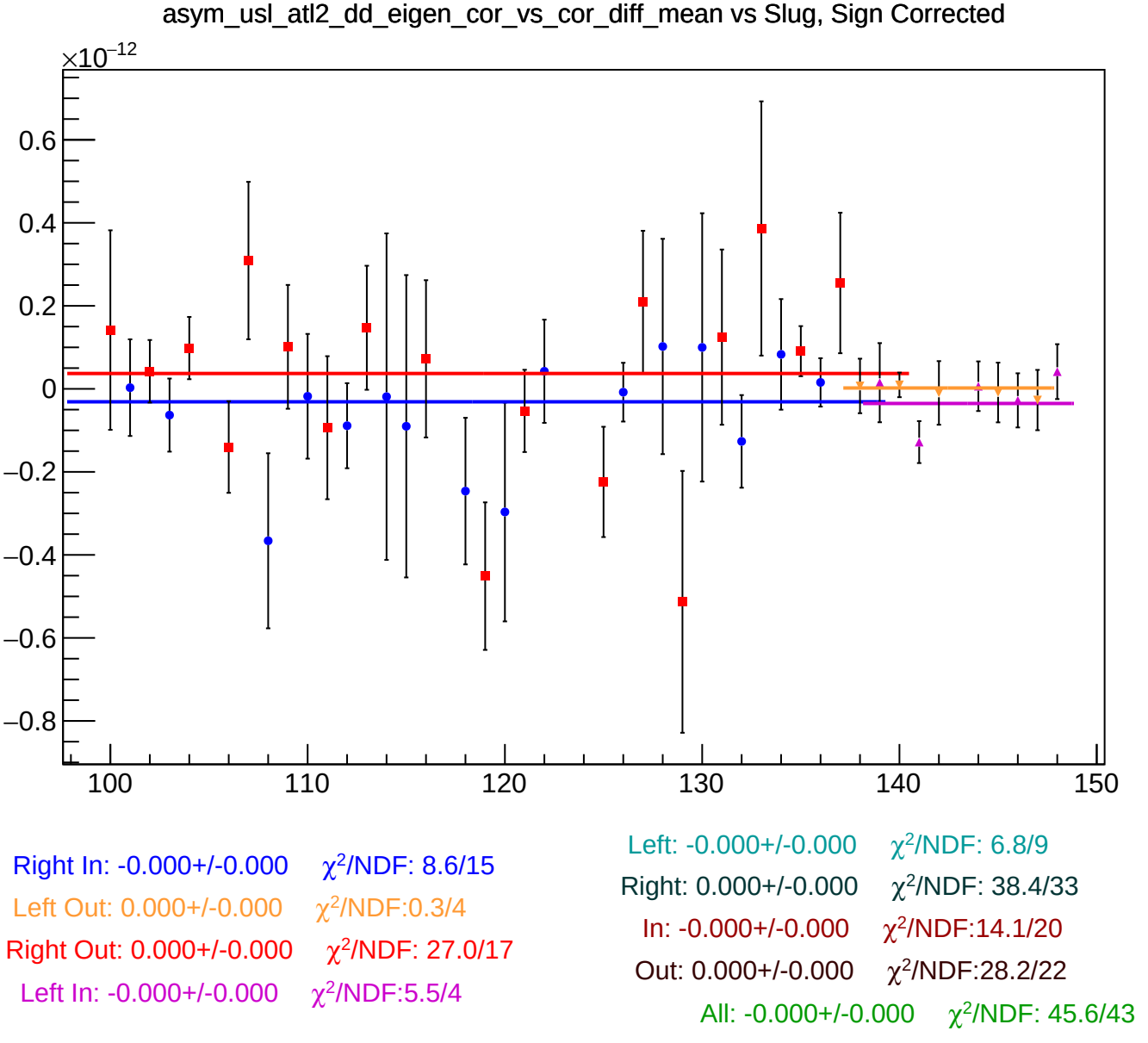
Left: 292.761+/-0.077 χ^2/NDF: 1106577.8/9

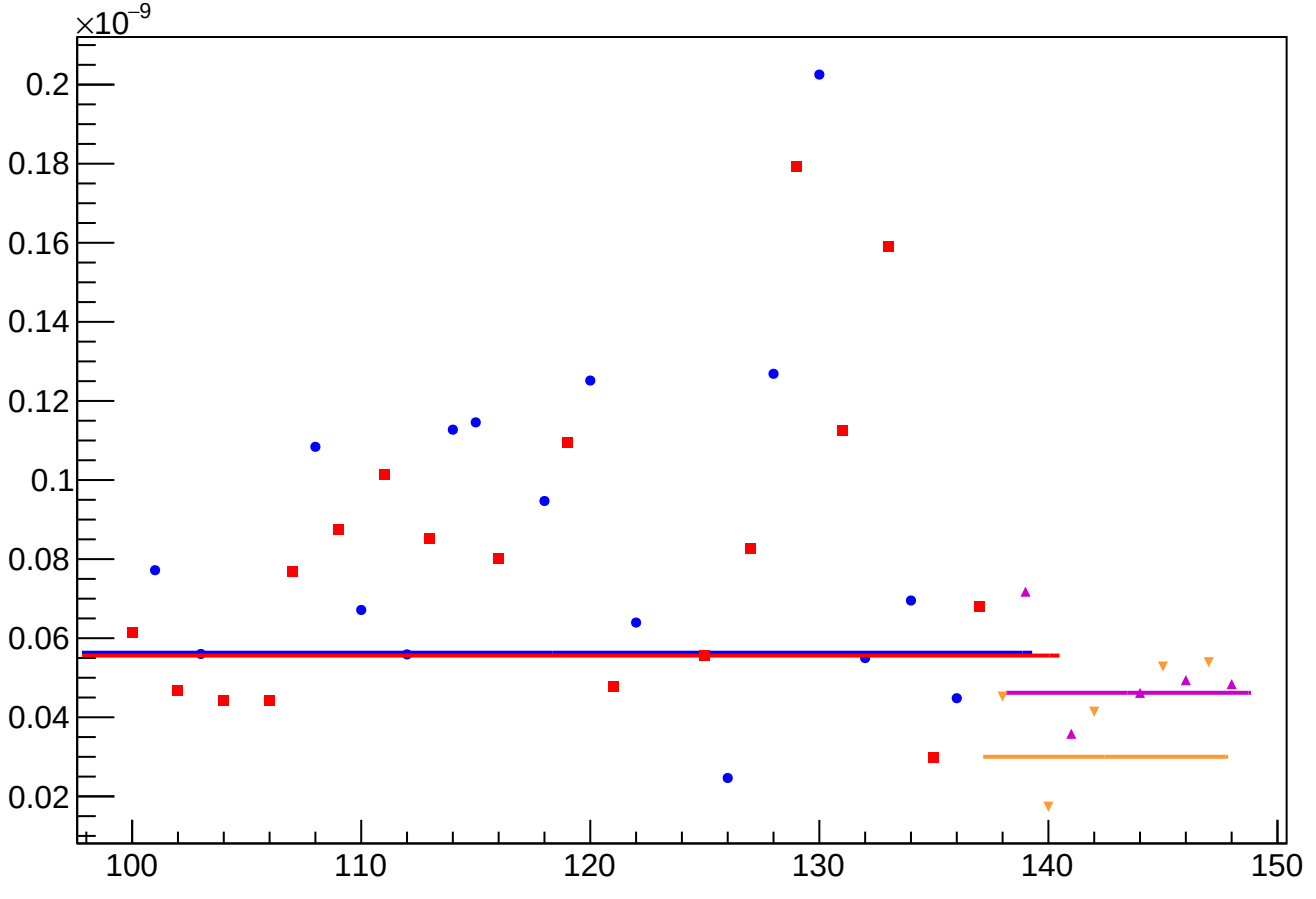
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 117.667+/-0.028 χ^2/NDF:4446842.0/20

Out: 107.362+/-0.027 χ^2/NDF:4460025.9/22

All: 112.320+/-0.019 χ^2/NDF: 8977883.9/43


asym_usl_atl2_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
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: -0.000+/-0.000 χ²/NDF:5.5/4
Left: -0.000+/-0.000 χ²/NDF: 6.8/9
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:14.1/20
Out: 0.000+/-0.000 χ²/NDF:28.2/22
All: -0.000+/-0.000 χ²/NDF: 45.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:933280.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:235240.6/4

Left: 0.000+/-0.000 χ^2/NDF: 1564910.3/9

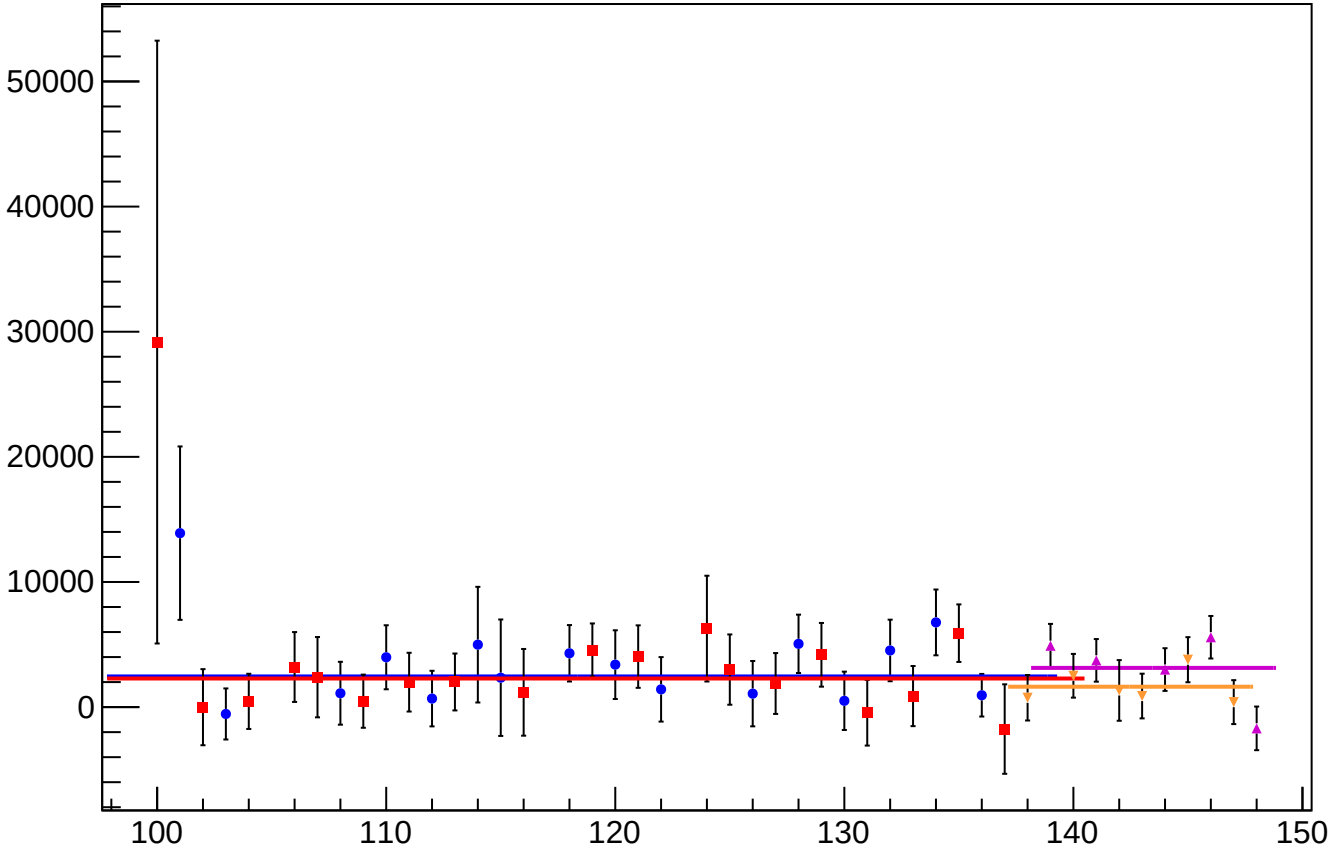
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:1940426.6/20

Out: 0.000+/-0.000 χ^2/NDF:3674362.3/22

All: 0.000+/-0.000 χ^2/NDF: 5953080.3/43

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.389+/-756.742 χ^2/NDF:2.6/5

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 3133.916+/-768.941 χ^2/NDF:10.9/4

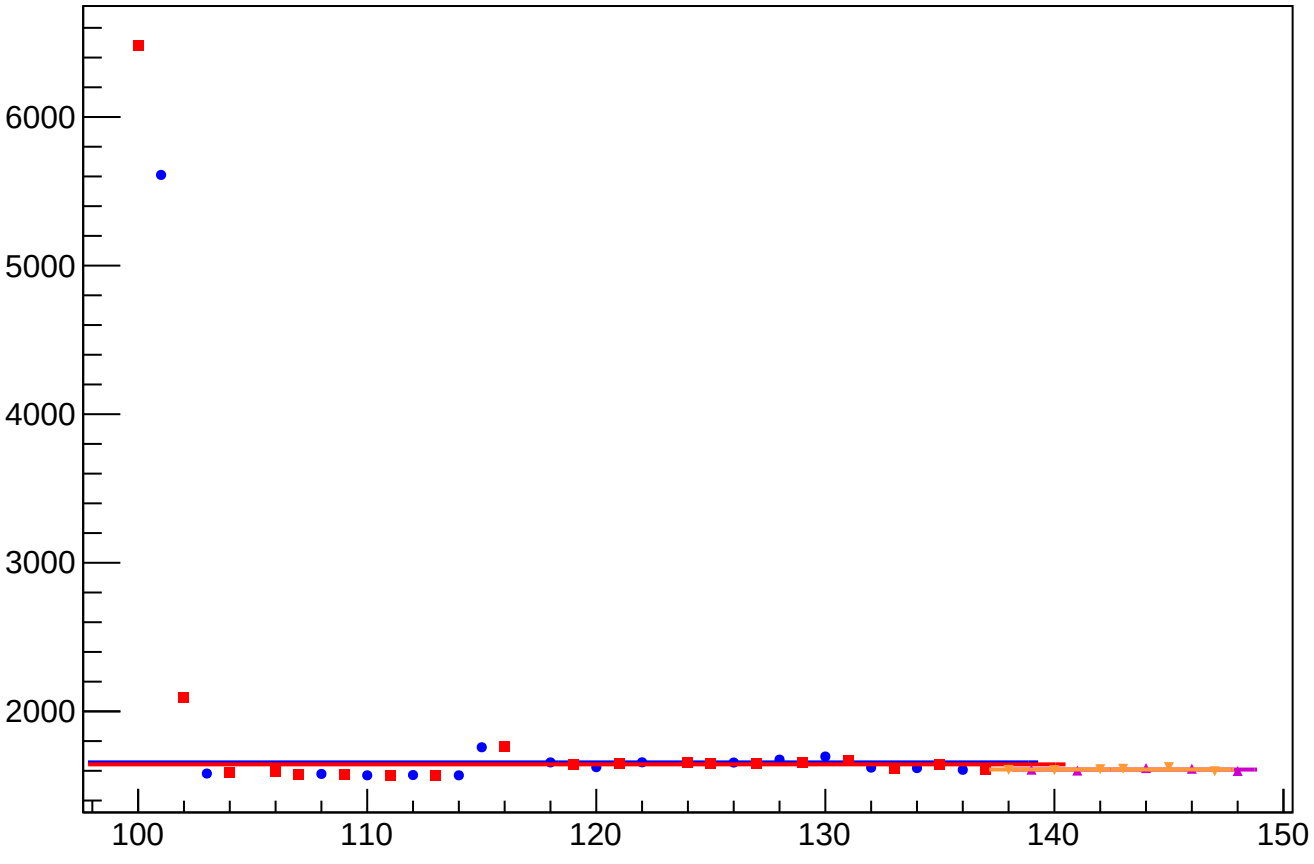
Left: 2370.131+/-539.358 χ^2/NDF: 15.5/10

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2724.792+/-487.432 χ^2/NDF:25.2/20

Out: 2028.563+/-474.518 χ^2/NDF:14.9/24

All: 2367.332+/-340.009 χ^2/NDF: 41.2/45



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

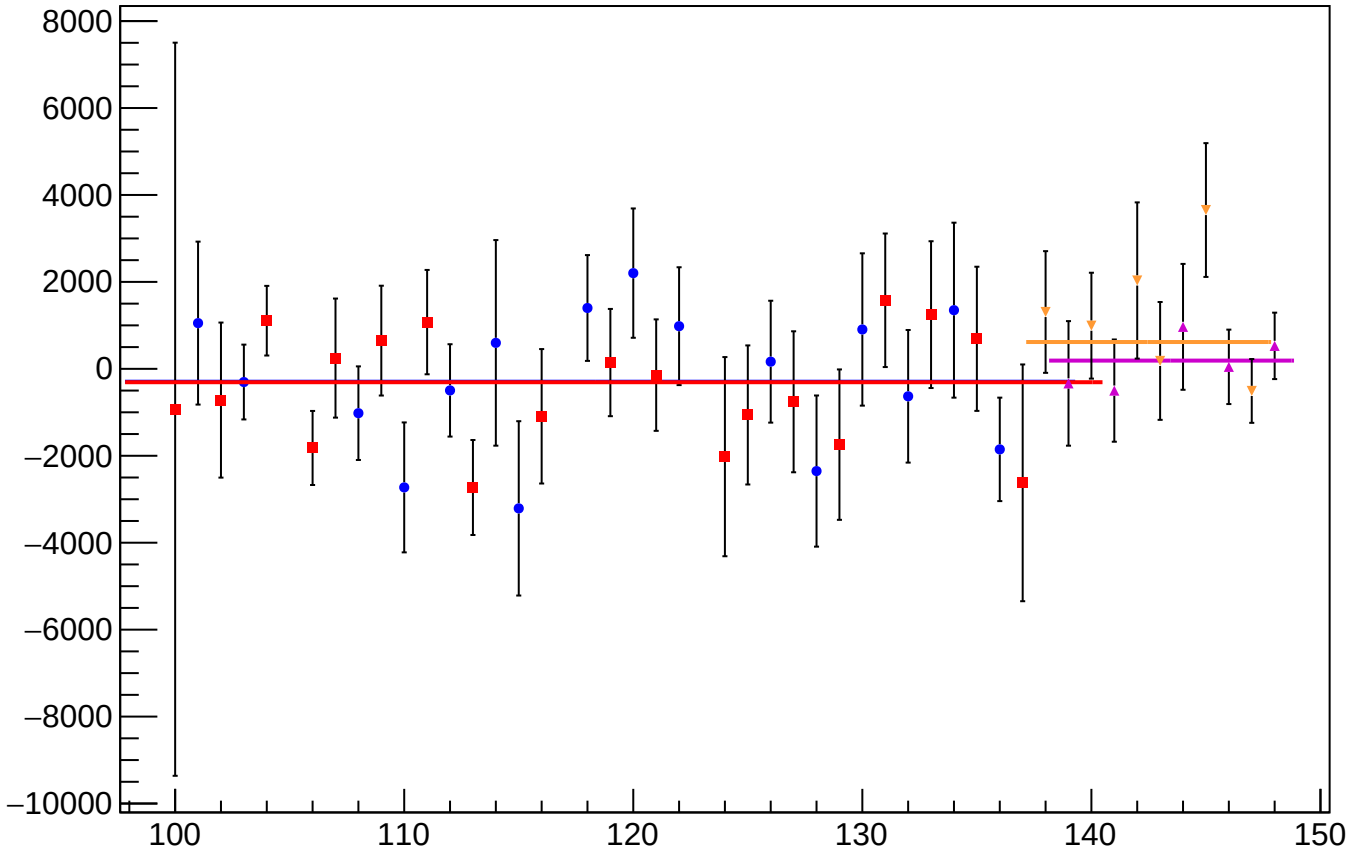
Left: 1608.723+/-0.381 χ^2/NDF: 462.0/10

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1637.281+/-0.345 χ^2/NDF:671126.9/20

Out: 1629.906+/-0.336 χ^2/NDF:139782.5/24

All: 1633.495+/-0.240 χ^2/NDF: 811144.4/45



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 617.093+/-481.291 χ^2/NDF:7.3/5

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 189.579+/-458.142 χ^2/NDF:1.0/4

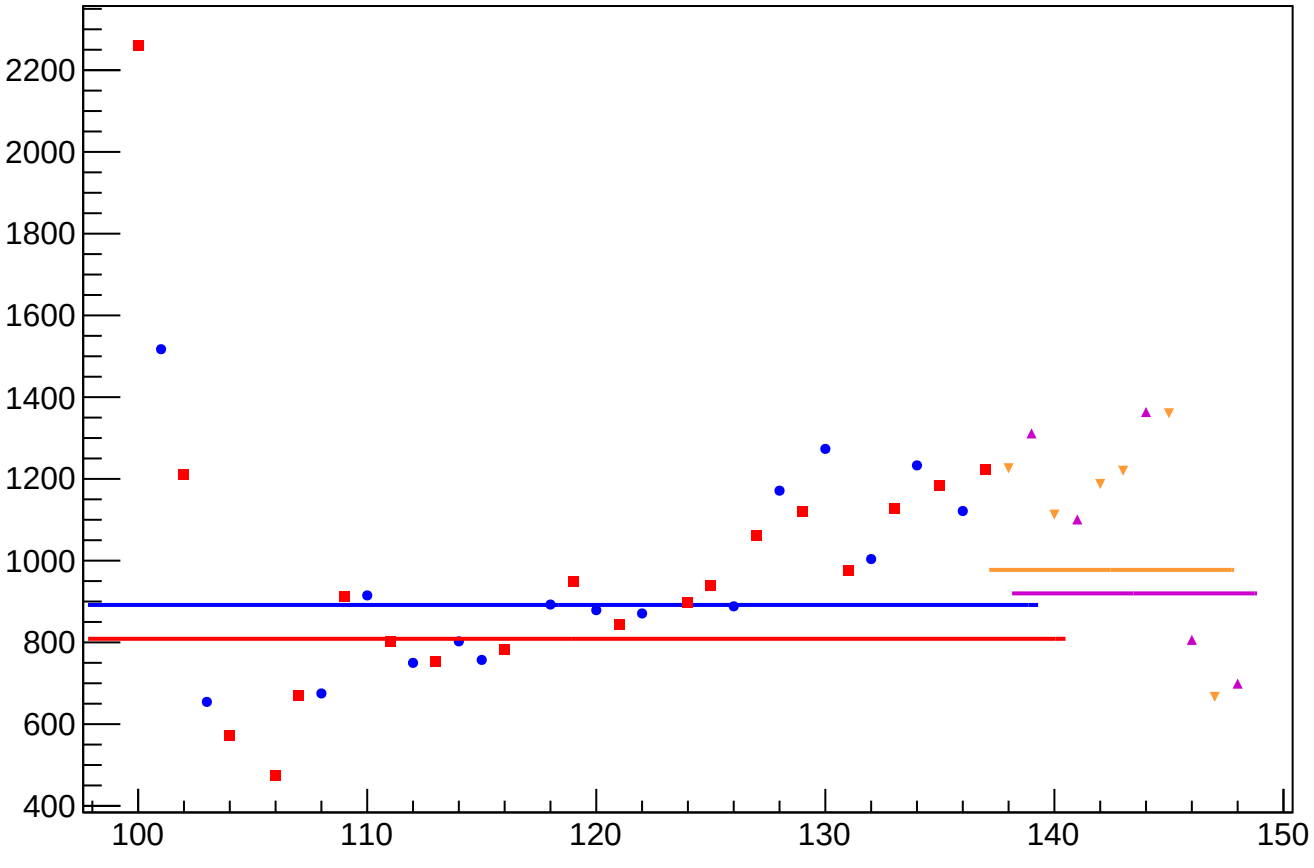
Left: 392.807+/-331.837 χ^2/NDF: 8.7/10

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -121.591+/-274.798 χ^2/NDF:17.7/20

Out: -32.836+/-262.379 χ^2/NDF:28.6/24

All: -75.162+/-189.768 χ^2/NDF: 46.3/45



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 977.425+/-0.340 χ^2/NDF:661334.4/5

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 919.916+/-0.324 χ^2/NDF:586683.6/4

Left: 947.254+/-0.235 χ^2/NDF: 1262998.7/10

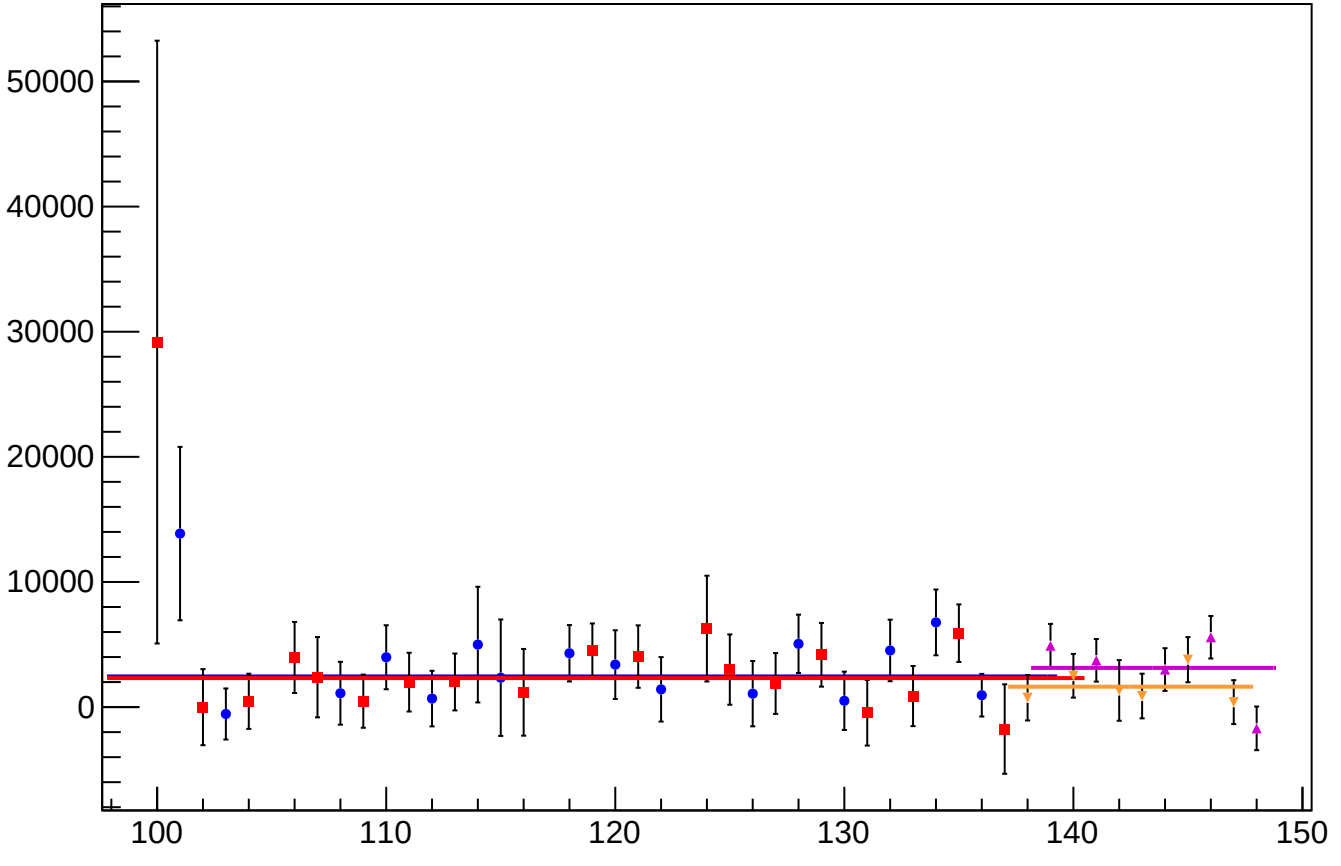
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 901.808+/-0.194 χ^2/NDF:1385460.8/20

Out: 858.921+/-0.186 χ^2/NDF:1917698.1/24

All: 879.374+/-0.134 χ^2/NDF: 3328642.2/45

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.414+/-756.742 χ^2/NDF:2.6/5

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3134.060+/-768.941 χ^2/NDF:10.9/4

Left: 2370.215+/-539.358 χ^2/NDF: 15.5/10

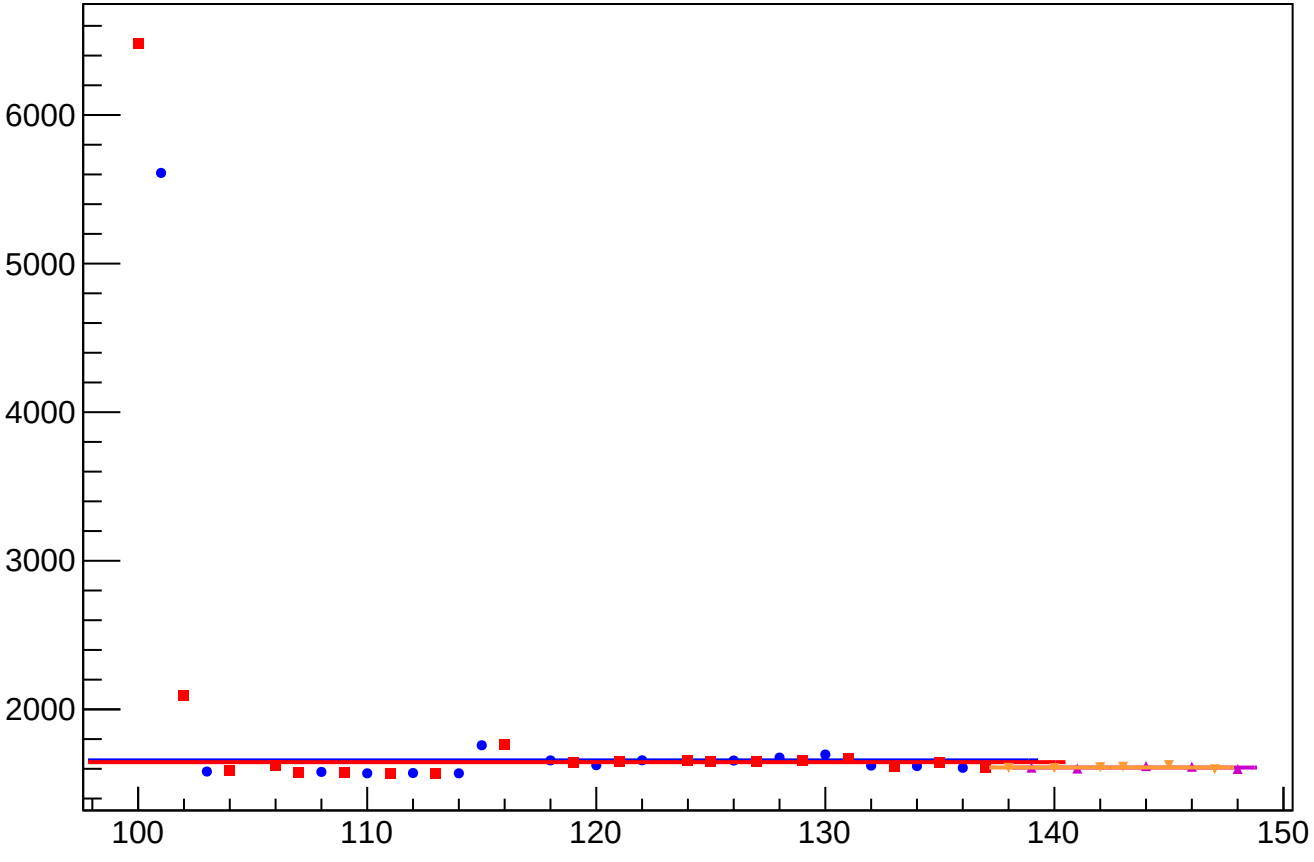
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2724.516+/-487.433 χ^2/NDF:25.2/20

Out: 2048.935+/-474.754 χ^2/NDF:15.2/24

All: 2377.825+/-340.096 χ^2/NDF: 41.4/45

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

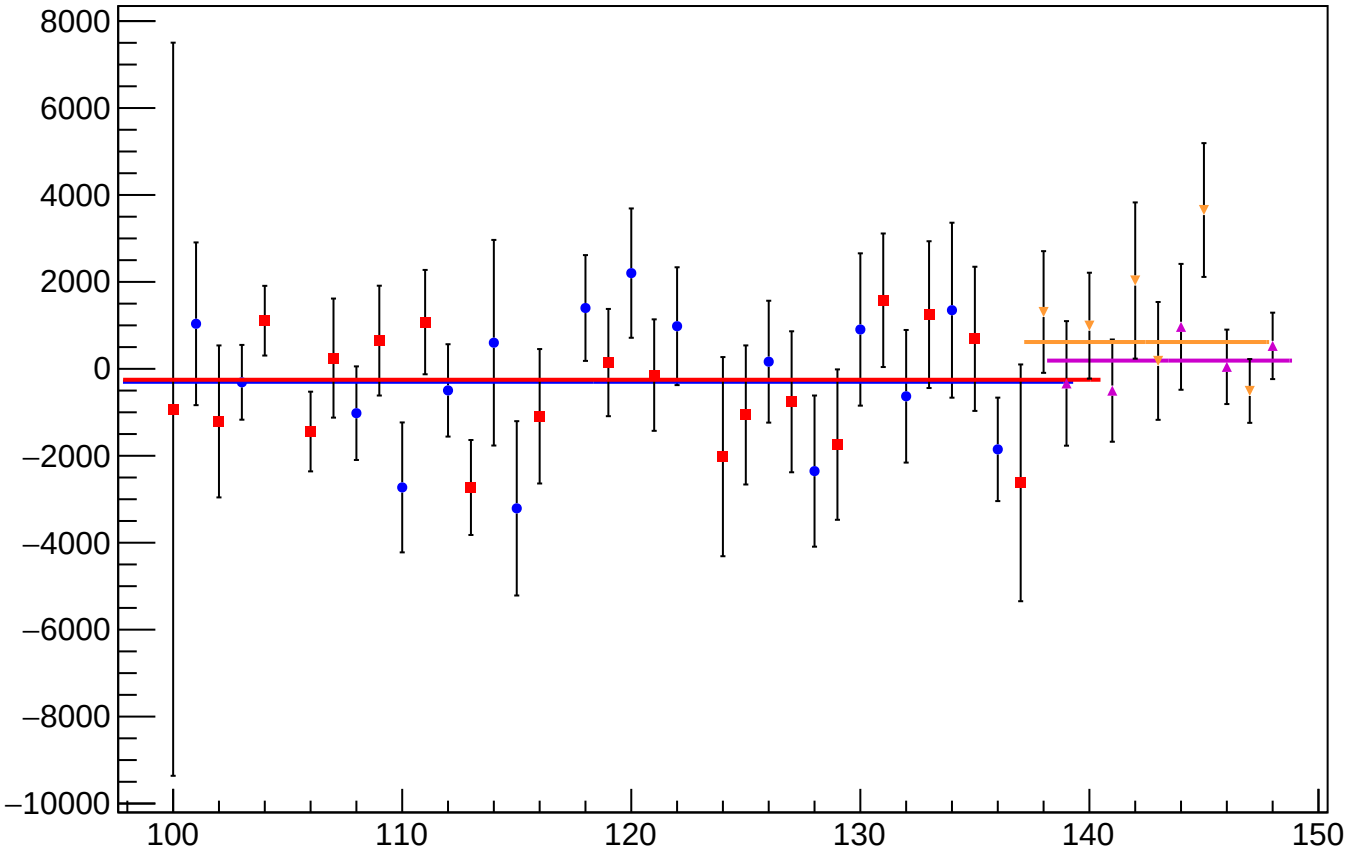
Left: 1608.723+/-0.381 χ^2/NDF: 462.0/10

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1637.281+/-0.345 χ^2/NDF:671126.4/20

Out: 1630.683+/-0.336 χ^2/NDF:139459.5/24

All: 1633.895+/-0.240 χ^2/NDF: 810773.9/45



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 617.113+/-481.290 χ^2/NDF:7.3/5

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 189.535+/-458.143 χ^2/NDF:1.0/4

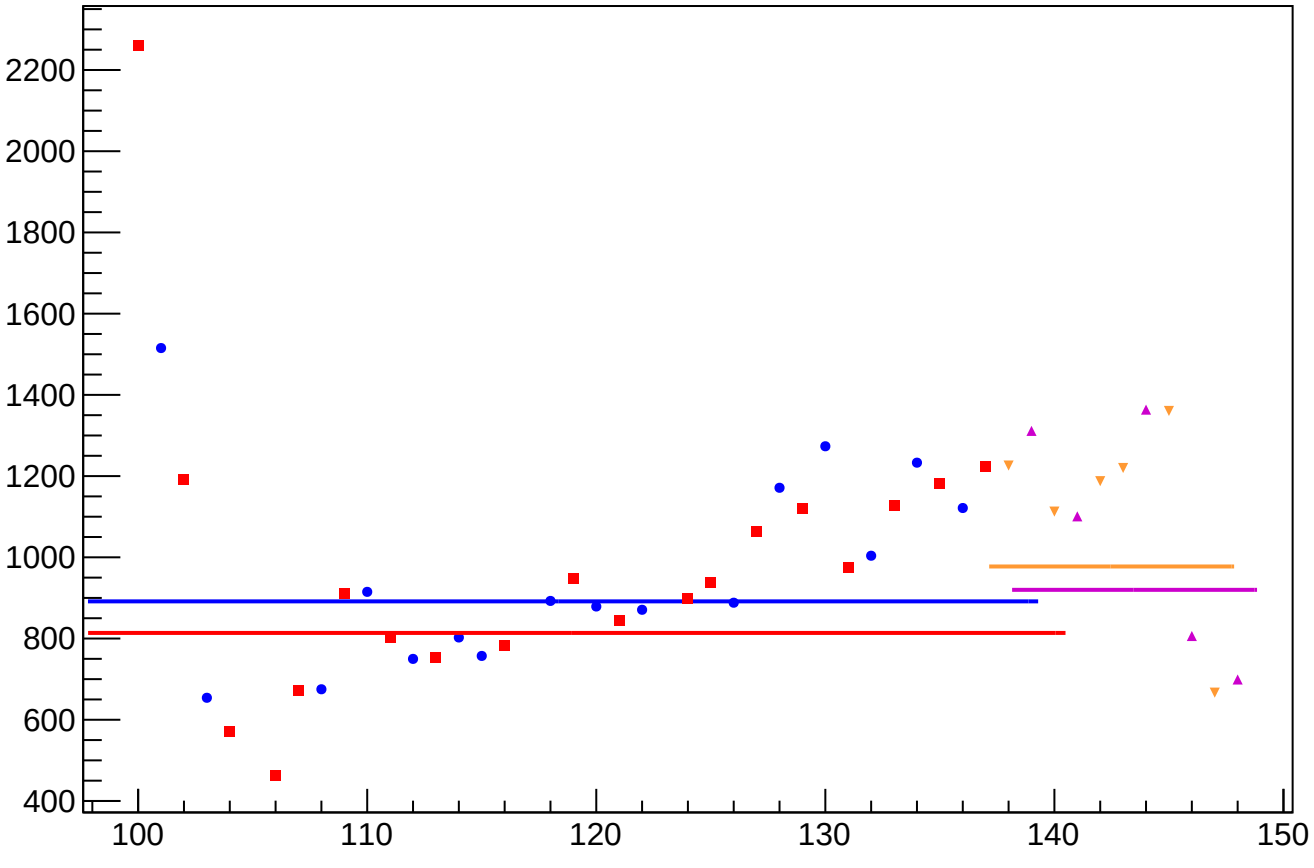
Left: 392.795+/-331.837 χ^2/NDF: 8.7/10

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -122.497+/-274.775 χ^2/NDF:17.7/20

Out: 10.049+/-264.006 χ^2/NDF:26.8/24

All: -53.576+/-190.374 χ^2/NDF: 44.6/45



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 977.424+/-0.340 χ^2/NDF:661292.7/5

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

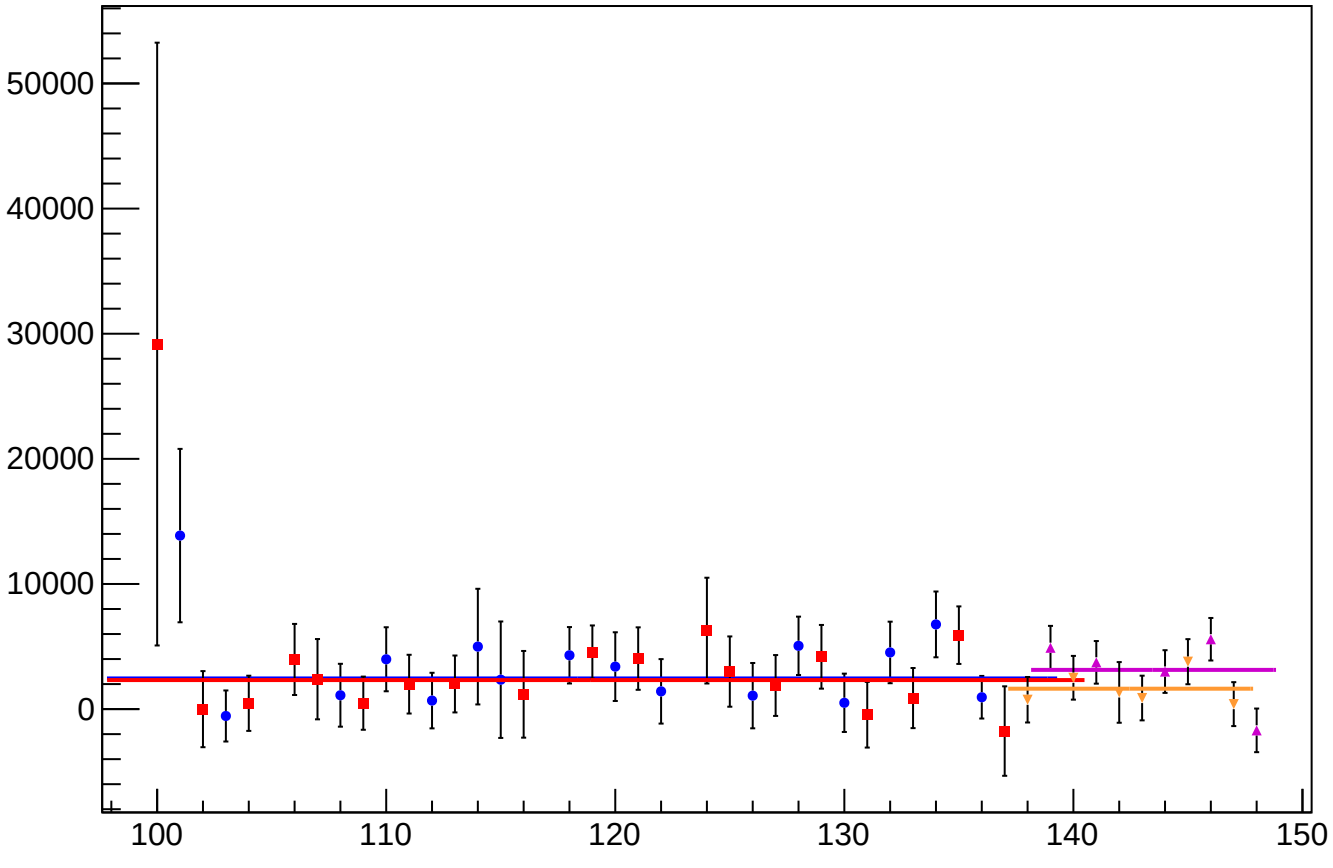
Left: 947.255+/-0.235 χ^2/NDF: 1262969.2/10

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 901.743+/-0.194 χ^2/NDF:1385270.4/20

Out: 863.038+/-0.187 χ^2/NDF:1875873.8/24

All: 881.618+/-0.135 χ^2/NDF: 3281778.8/45



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.414+/-756.742 χ^2/NDF:2.6/5

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3134.060+/-768.941 χ^2/NDF:10.9/4

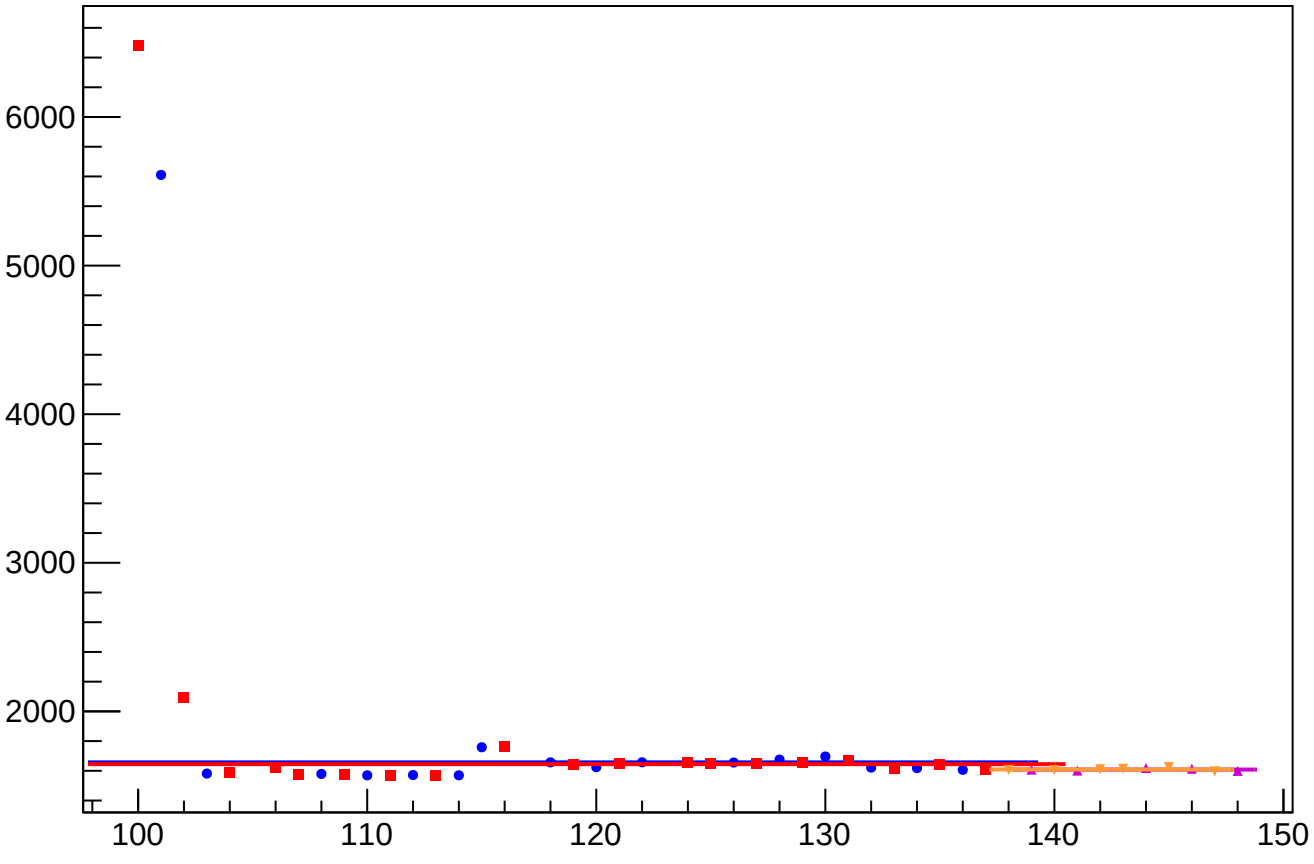
Left: 2370.215+/-539.358 χ^2/NDF: 15.5/10

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2724.516+/-487.433 χ^2/NDF:25.2/20

Out: 2048.935+/-474.754 χ^2/NDF:15.2/24

All: 2377.825+/-340.096 χ^2/NDF: 41.4/45



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

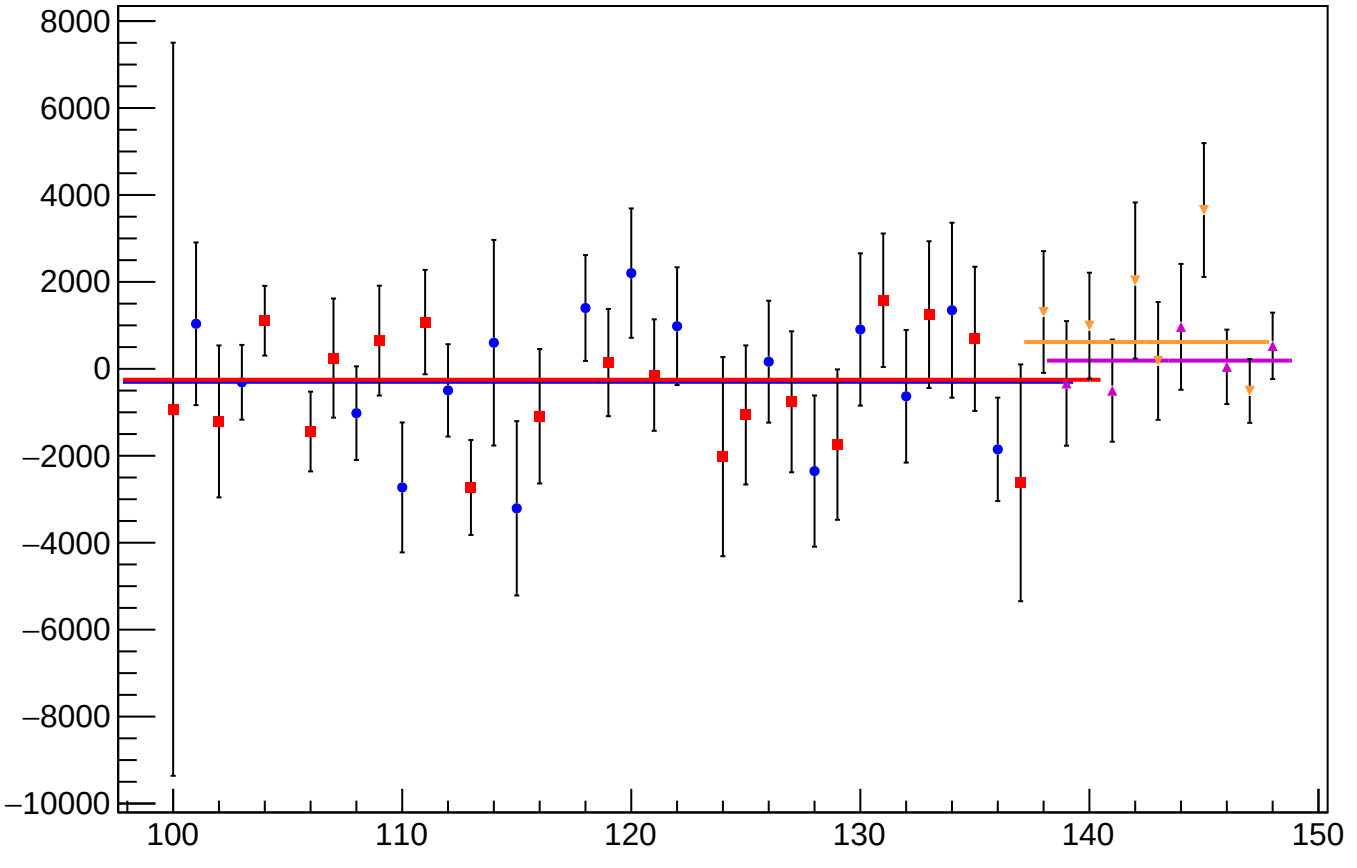
Left: 1608.723+/-0.381 χ^2/NDF: 462.0/10

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1637.281+/-0.345 χ^2/NDF:671126.4/20

Out: 1630.683+/-0.336 χ^2/NDF:139459.5/24

All: 1633.895+/-0.240 χ^2/NDF: 810773.9/45



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 617.113+/-481.290 χ^2/NDF:7.3/5

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 189.535+/-458.143 χ^2/NDF:1.0/4

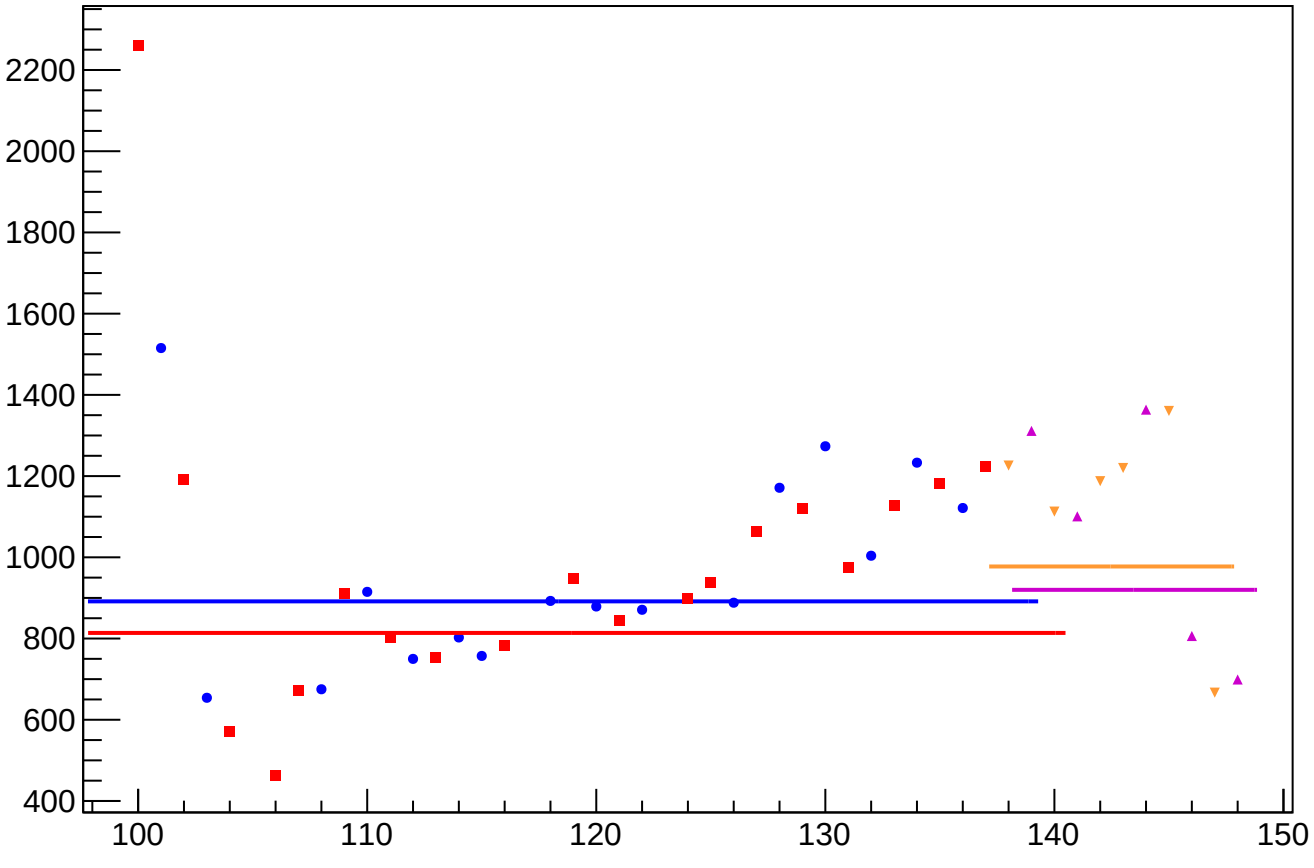
Left: 392.795+/-331.837 χ^2/NDF: 8.7/10

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -122.497+/-274.775 χ^2/NDF:17.7/20

Out: 10.049+/-264.006 χ^2/NDF:26.8/24

All: -53.576+/-190.374 χ^2/NDF: 44.6/45



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 977.424+/-0.340 χ^2/NDF:661292.7/5

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

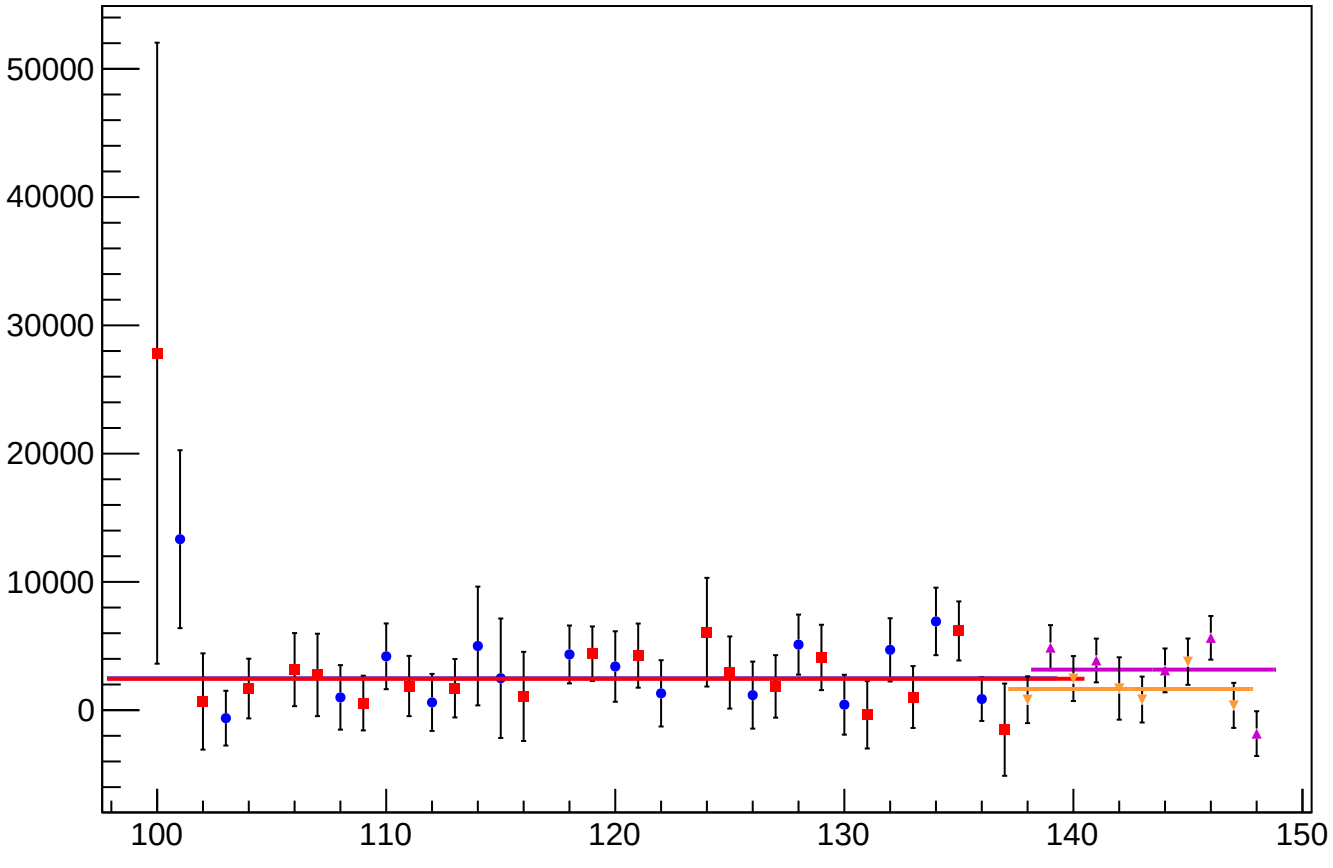
Left: 947.255+/-0.235 χ^2/NDF: 1262969.2/10

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 901.743+/-0.194 χ^2/NDF:1385270.4/20

Out: 863.038+/-0.187 χ^2/NDF:1875873.8/24

All: 881.618+/-0.135 χ^2/NDF: 3281778.8/45



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1652.013+/-758.495 χ^2/NDF:2.6/5

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3161.721+/-770.313 χ^2/NDF:11.4/4

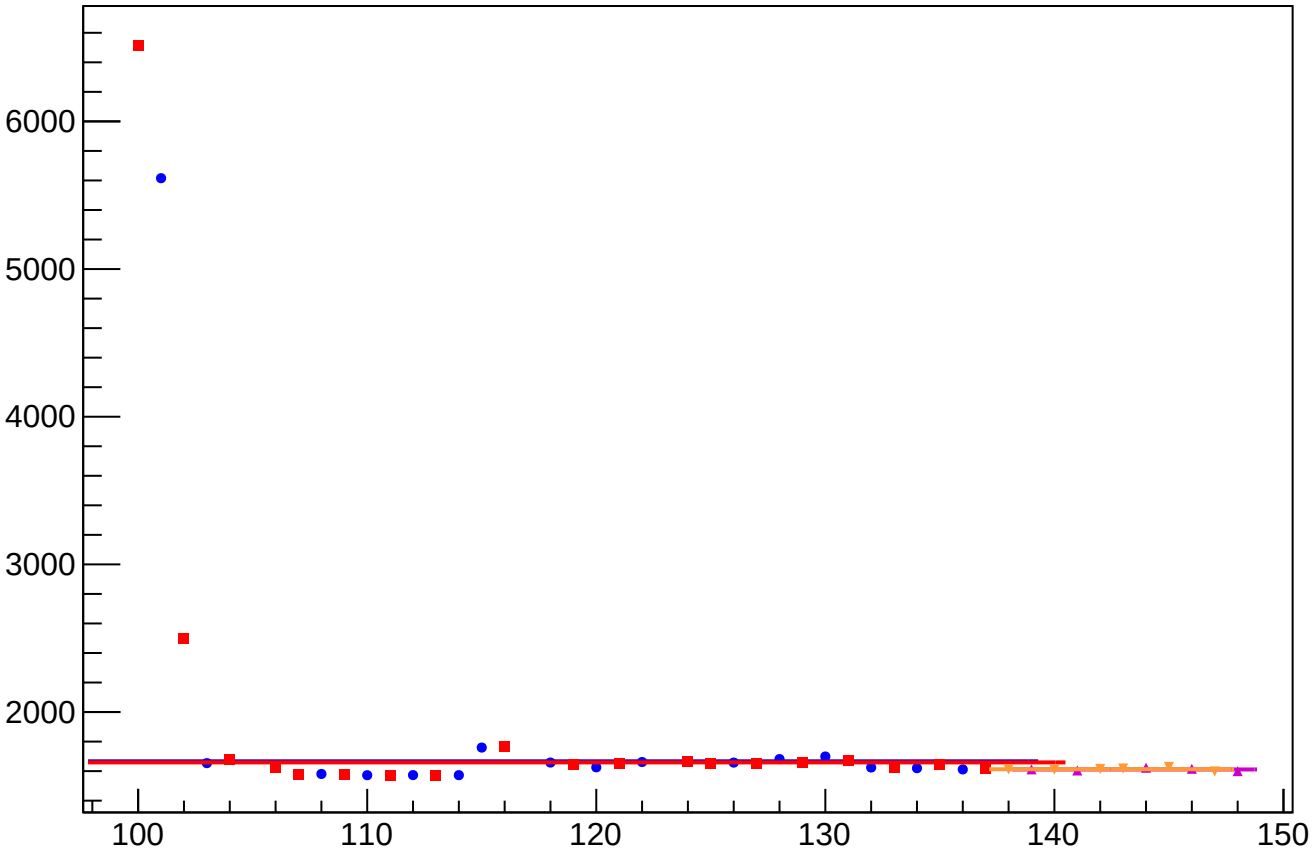
Left: 2395.198+/-540.467 χ^2/NDF: 15.9/10

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2752.391+/-489.459 χ^2/NDF:26.1/20

Out: 2131.336+/-478.887 χ^2/NDF:13.8/24

All: 2435.084+/-342.301 χ^2/NDF: 40.7/45



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.752+/-0.536 χ^2/NDF:316.2/5

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

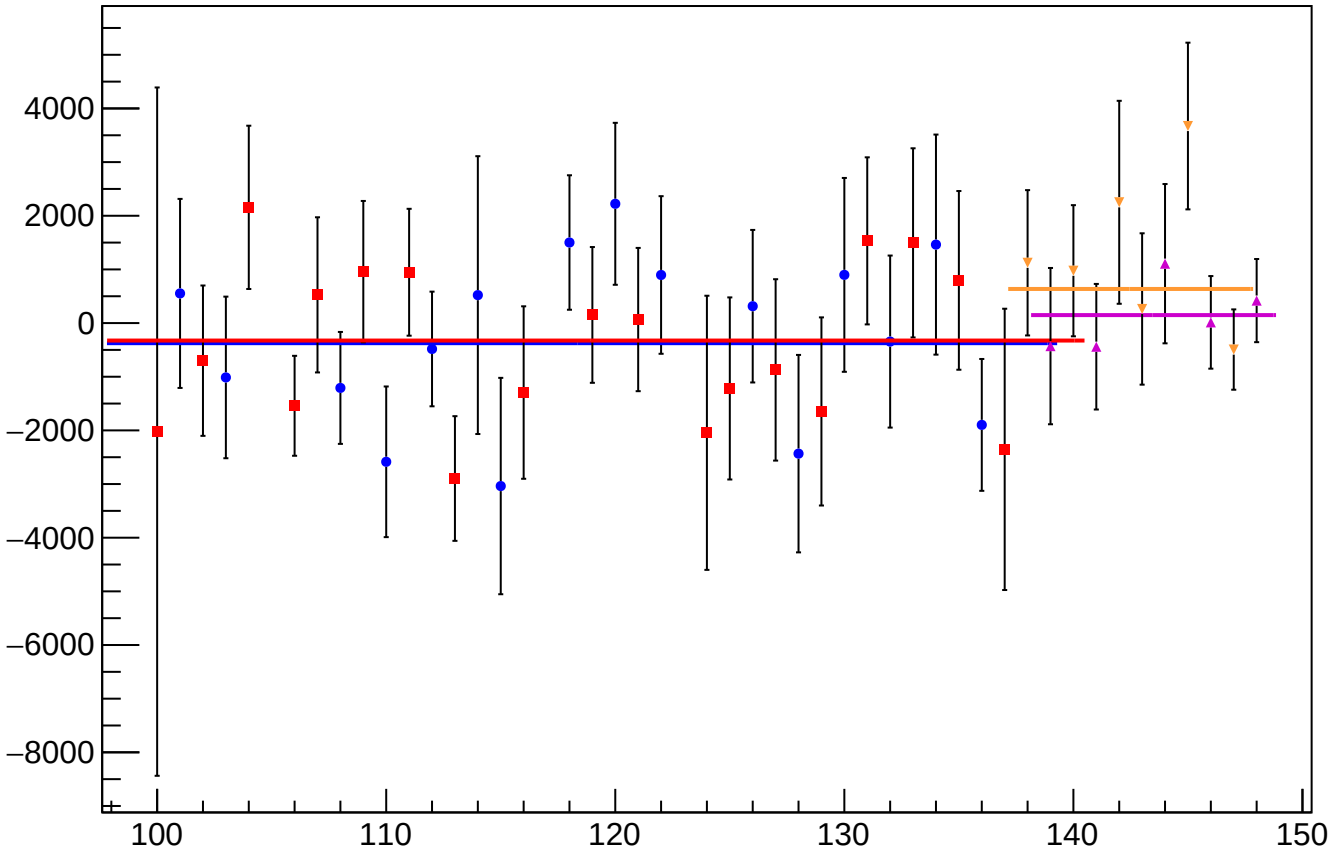
Left: 1612.006+/-0.382 χ^2/NDF: 545.6/10

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1644.128+/-0.346 χ^2/NDF:669255.5/20

Out: 1640.568+/-0.339 χ^2/NDF:198012.3/24

All: 1642.309+/-0.242 χ^2/NDF: 867321.9/45



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 635.813+/-488.166 χ^2/NDF:7.1/5

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 148.705+/-463.063 χ^2/NDF:1.0/4

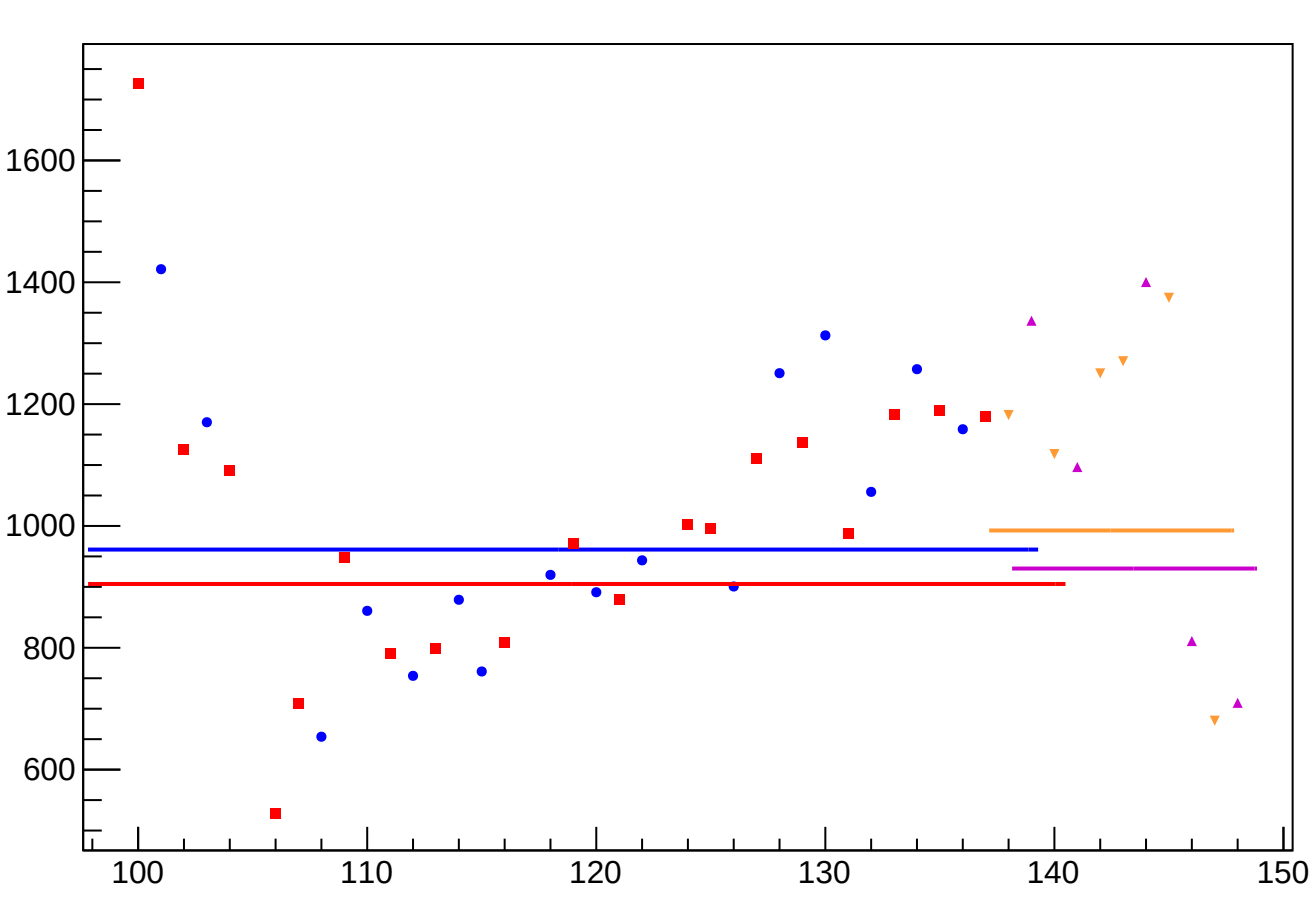
Left: 379.413+/-335.959 χ^2/NDF: 8.6/10

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -172.066+/-288.075 χ^2/NDF:17.5/20

Out: -10.840+/-279.341 χ^2/NDF:27.1/24

All: -88.972+/-200.541 χ^2/NDF: 44.8/45



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 992.557+/-0.345 χ^2/NDF:643963.6/5

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 930.091+/-0.327 χ^2/NDF:597263.8/4

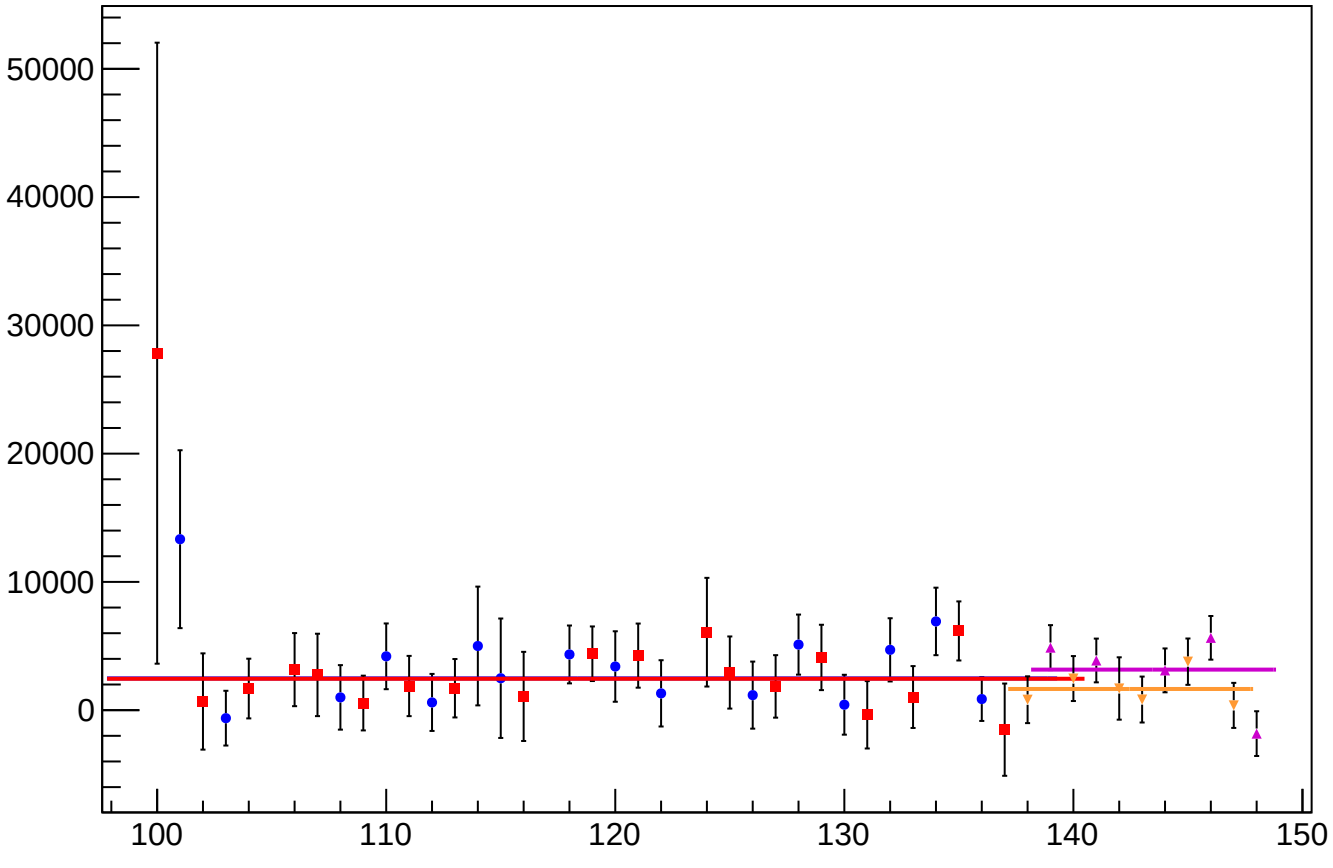
Left: 959.677+/-0.238 χ^2/NDF: 1258464.9/10

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 949.187+/-0.204 χ^2/NDF:1294687.3/20

Out: 933.493+/-0.198 χ^2/NDF:1423981.7/24

All: 941.098+/-0.142 χ^2/NDF: 2721728.2/45



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1652.015+/-758.495 χ^2/NDF:2.6/5

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3161.721+/-770.313 χ^2/NDF:11.4/4

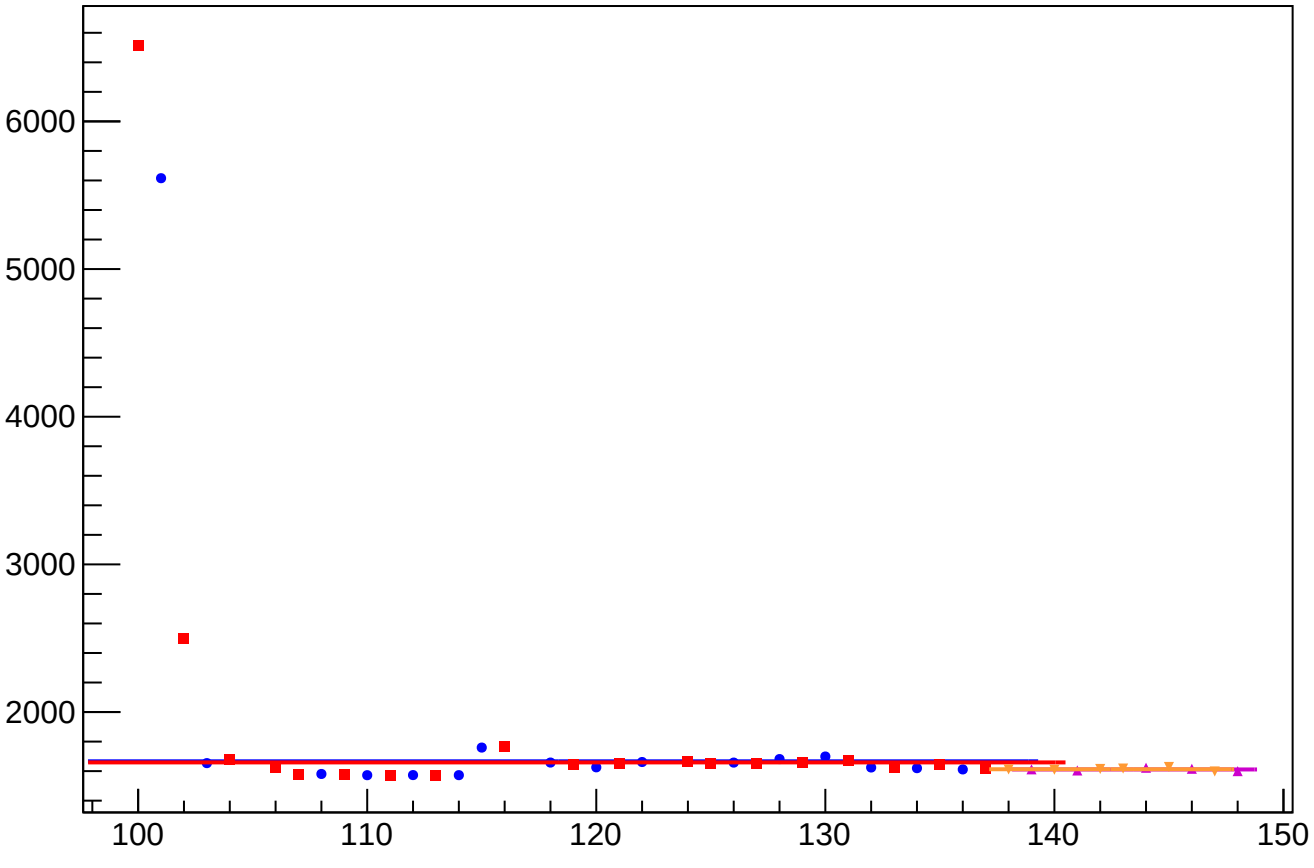
Left: 2395.199+/-540.467 χ^2/NDF: 15.9/10

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2752.390+/-489.459 χ^2/NDF:26.1/20

Out: 2131.337+/-478.887 χ^2/NDF:13.8/24

All: 2435.084+/-342.301 χ^2/NDF: 40.7/45



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.752+/-0.536 χ^2/NDF:316.2/5

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

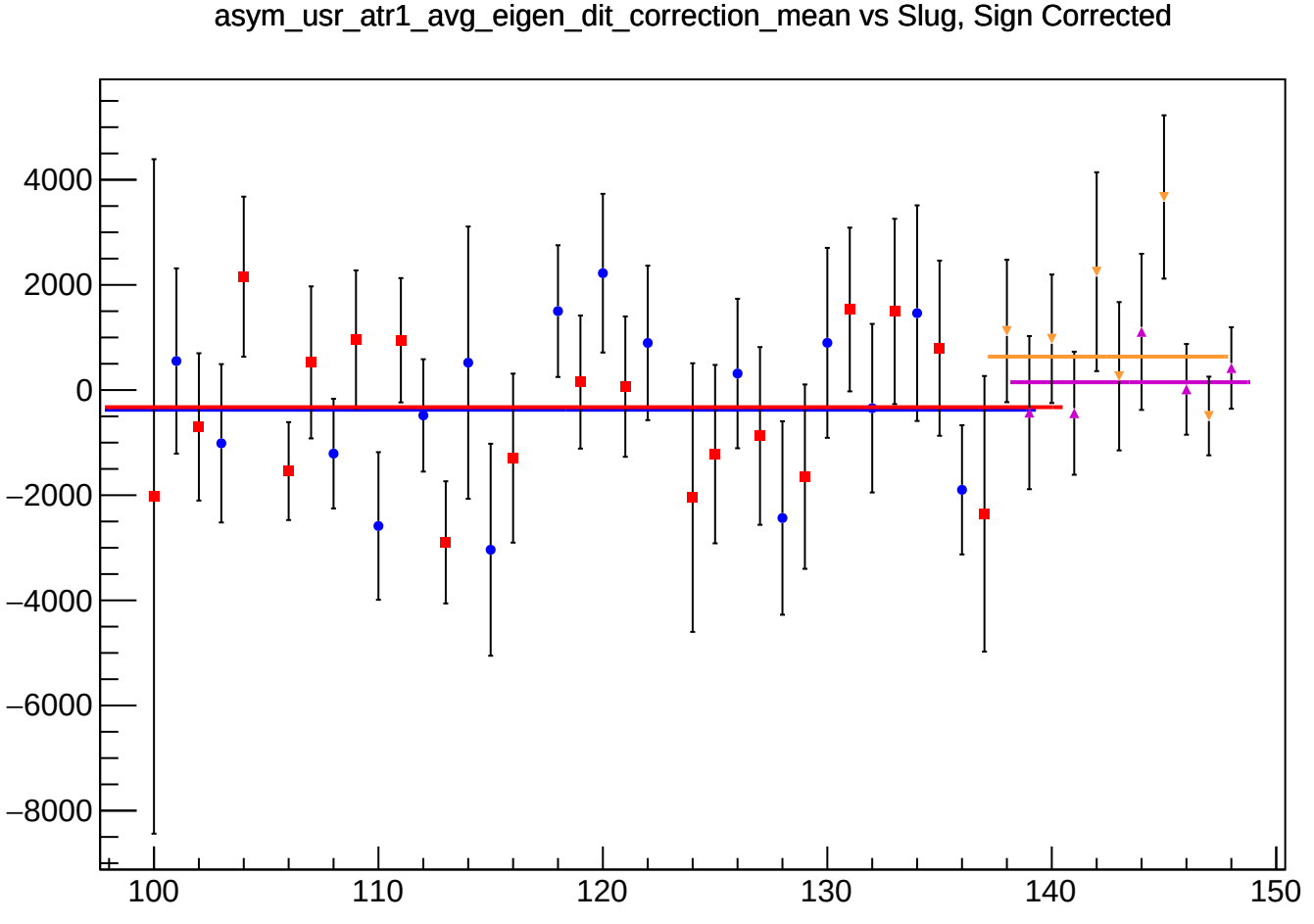
Left: 1612.006+/-0.382 χ^2/NDF: 545.6/10

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1644.128+/-0.346 χ^2/NDF:669255.5/20

Out: 1640.567+/-0.339 χ^2/NDF:198012.1/24

All: 1642.309+/-0.242 χ^2/NDF: 867321.7/45



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 635.812+/-488.167 χ^2/NDF:7.1/5

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 148.704+/-463.064 χ^2/NDF:1.0/4

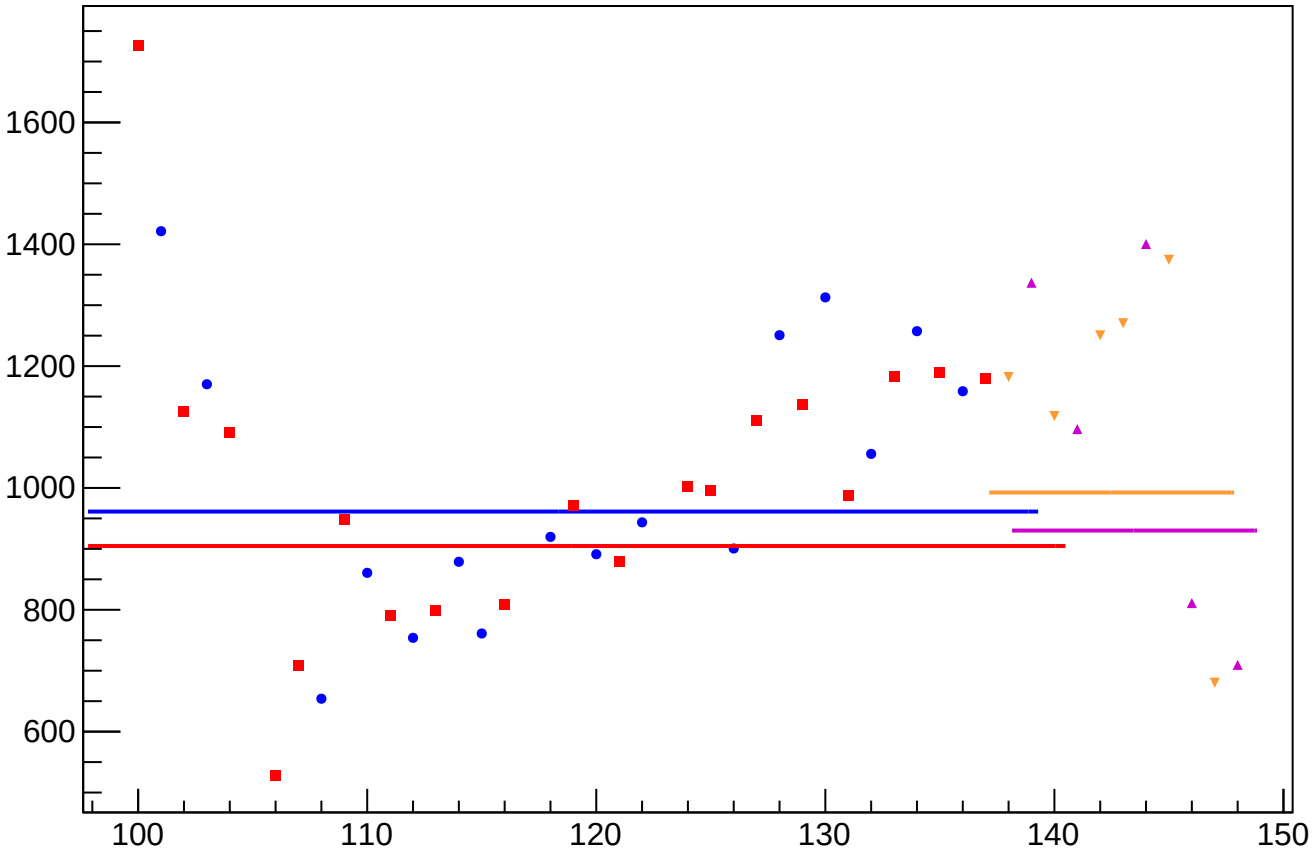
Left: 379.412+/-335.960 χ^2/NDF: 8.6/10

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -172.067+/-288.075 χ^2/NDF:17.5/20

Out: -10.841+/-279.341 χ^2/NDF:27.1/24

All: -88.973+/-200.540 χ^2/NDF: 44.8/45



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 992.559+/-0.345 χ^2/NDF:643964.7/5

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 930.093+/-0.327 χ^2/NDF:597265.1/4

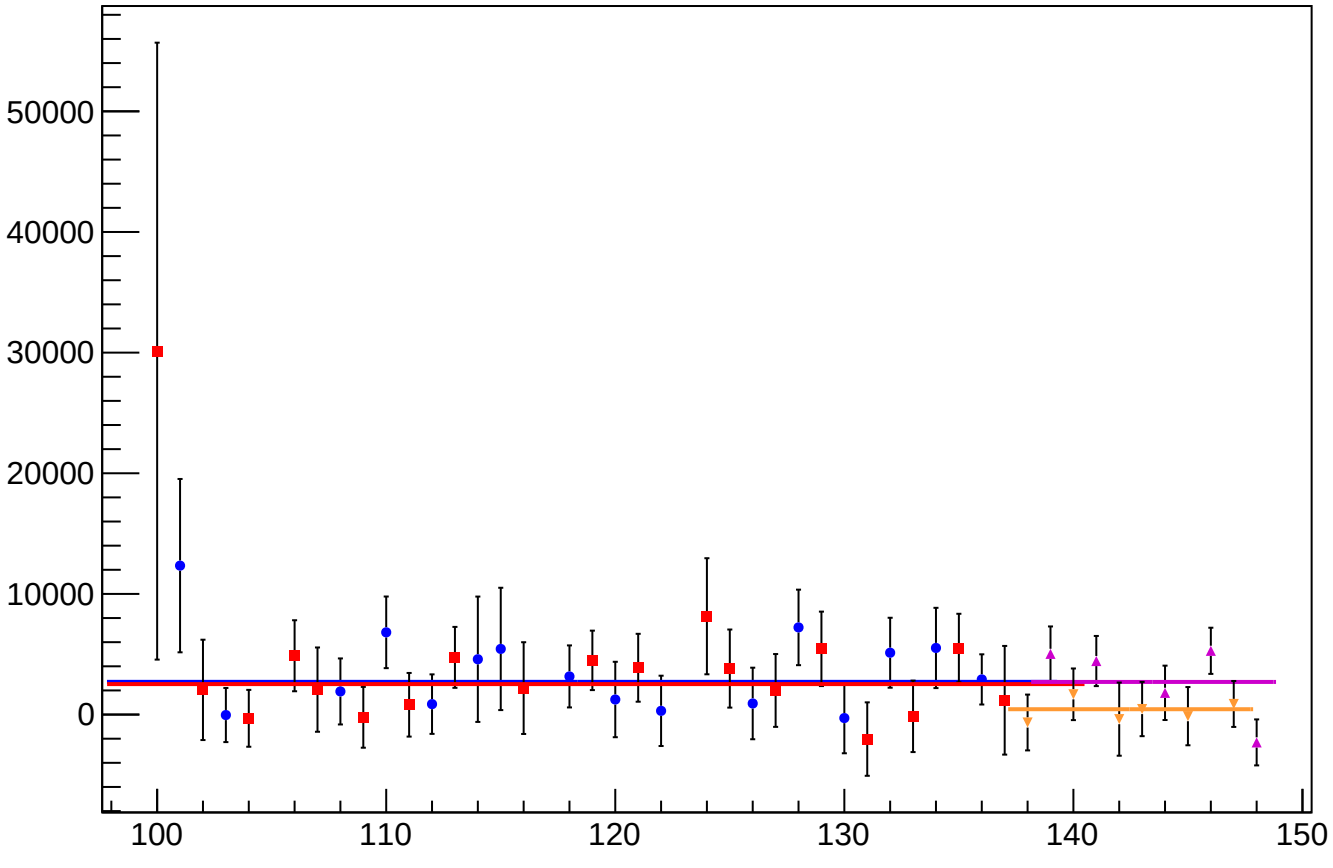
Left: 959.679+/-0.238 χ^2/NDF: 1258467.2/10

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 949.185+/-0.204 χ^2/NDF:1294694.5/20

Out: 933.491+/-0.198 χ^2/NDF:1423984.5/24

All: 941.097+/-0.142 χ^2/NDF: 2721738.2/45



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 442.891+/-928.764 χ^2/NDF:0.7/5

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2704.636+/-924.155 χ^2/NDF:10.6/4

Left: 1579.389+/-655.099 χ^2/NDF: 14.4/10

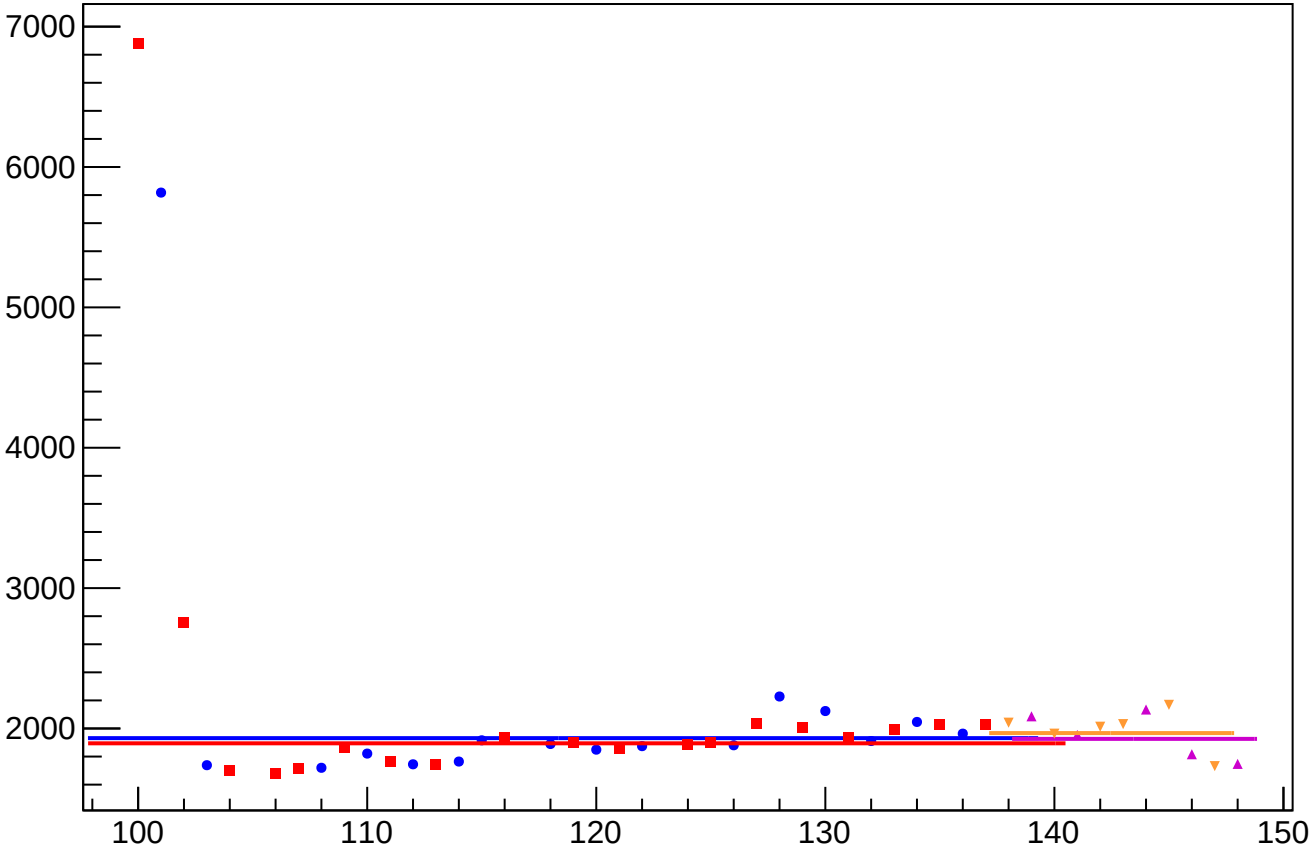
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2708.775+/-575.291 χ^2/NDF:22.8/20

Out: 1762.220+/-562.276 χ^2/NDF:17.2/24

All: 2224.669+/-402.112 χ^2/NDF: 41.3/45

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1967.278+/-0.657 χ^2/NDF:48626.5/5

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1925.991+/-0.653 χ^2/NDF:51629.5/4

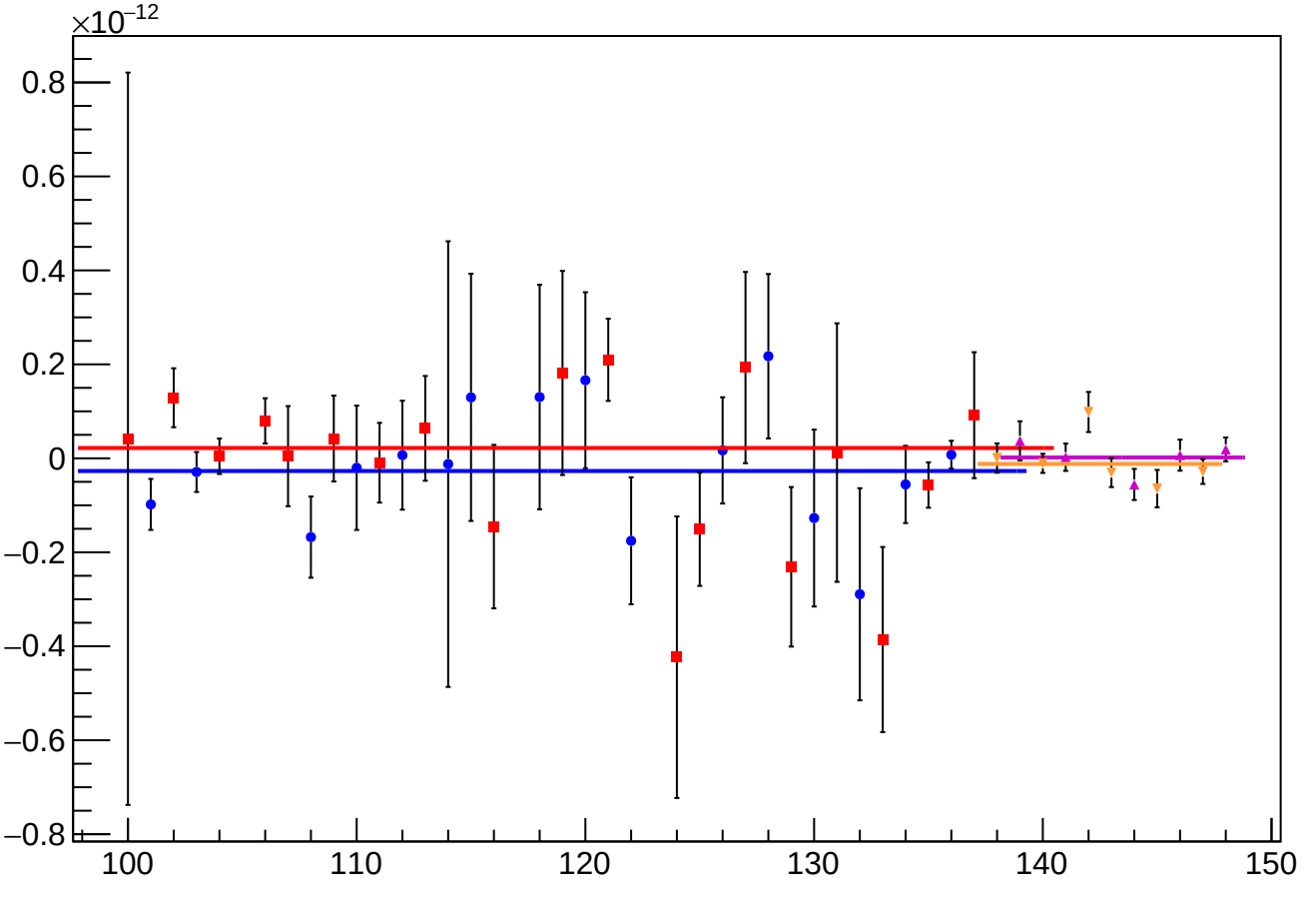
Left: 1946.532+/-0.463 χ^2/NDF: 102242.0/10

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1929.212+/-0.407 χ^2/NDF:712896.2/20

Out: 1921.078+/-0.398 χ^2/NDF:276979.7/24

All: 1925.052+/-0.284 χ^2/NDF: 990080.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/4

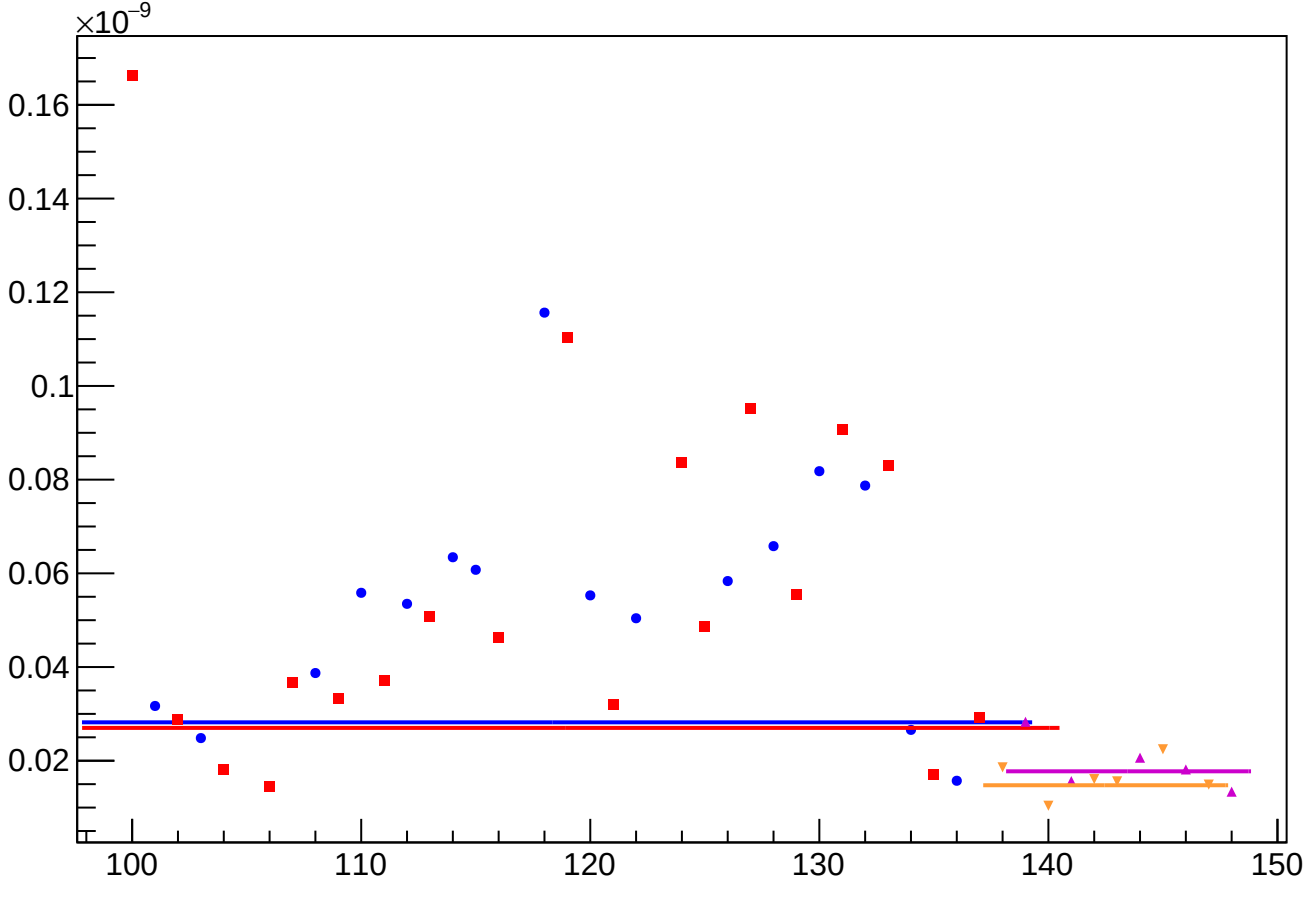
Left: -0.000+/-0.000 χ^2/NDF: 14.1/10

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:18.4/20

Out: -0.000+/-0.000 χ^2/NDF:37.0/24

All: -0.000+/-0.000 χ^2/NDF: 55.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200651.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:213679.4/4

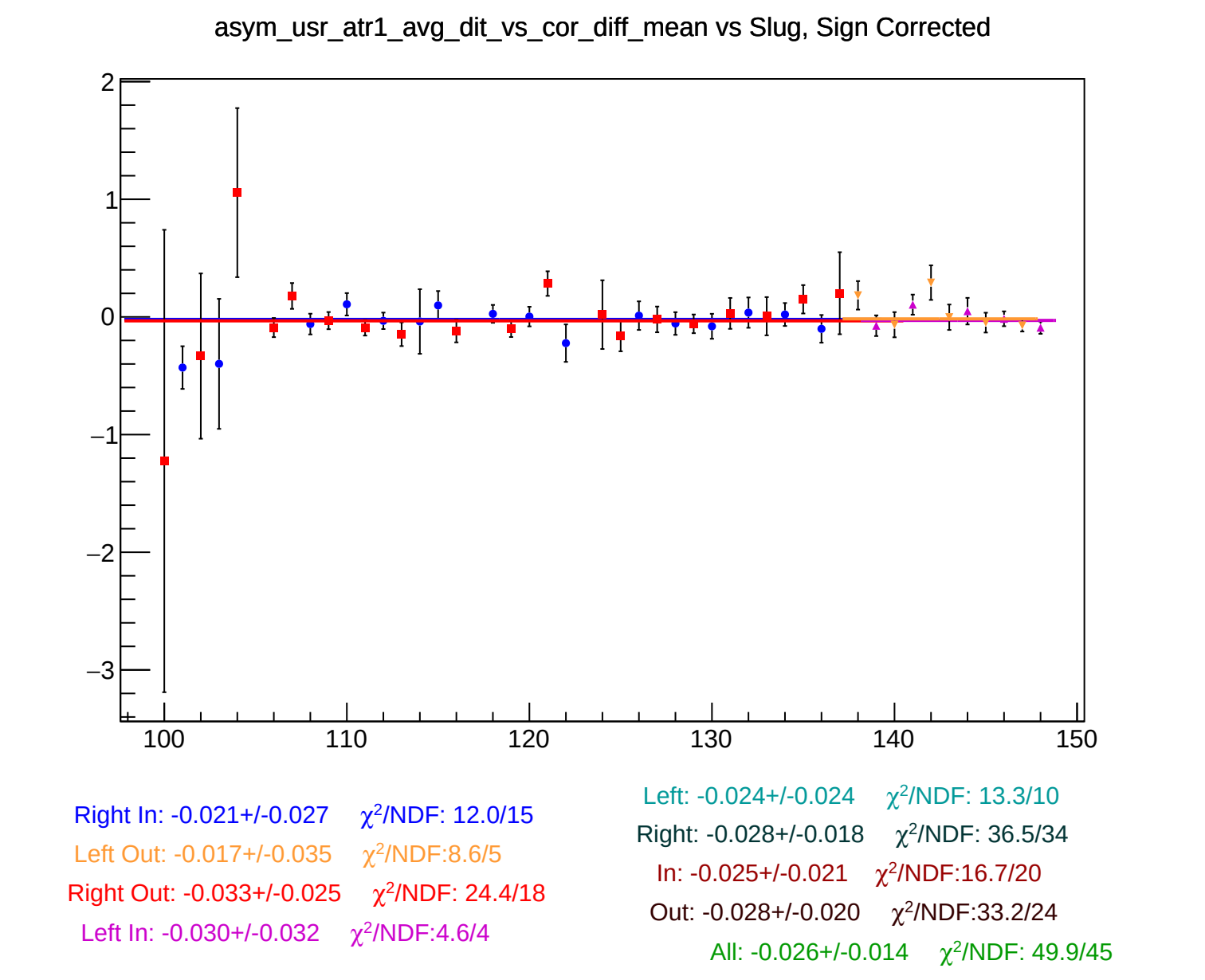
Left: 0.000+/-0.000 χ^2/NDF: 467095.7/10

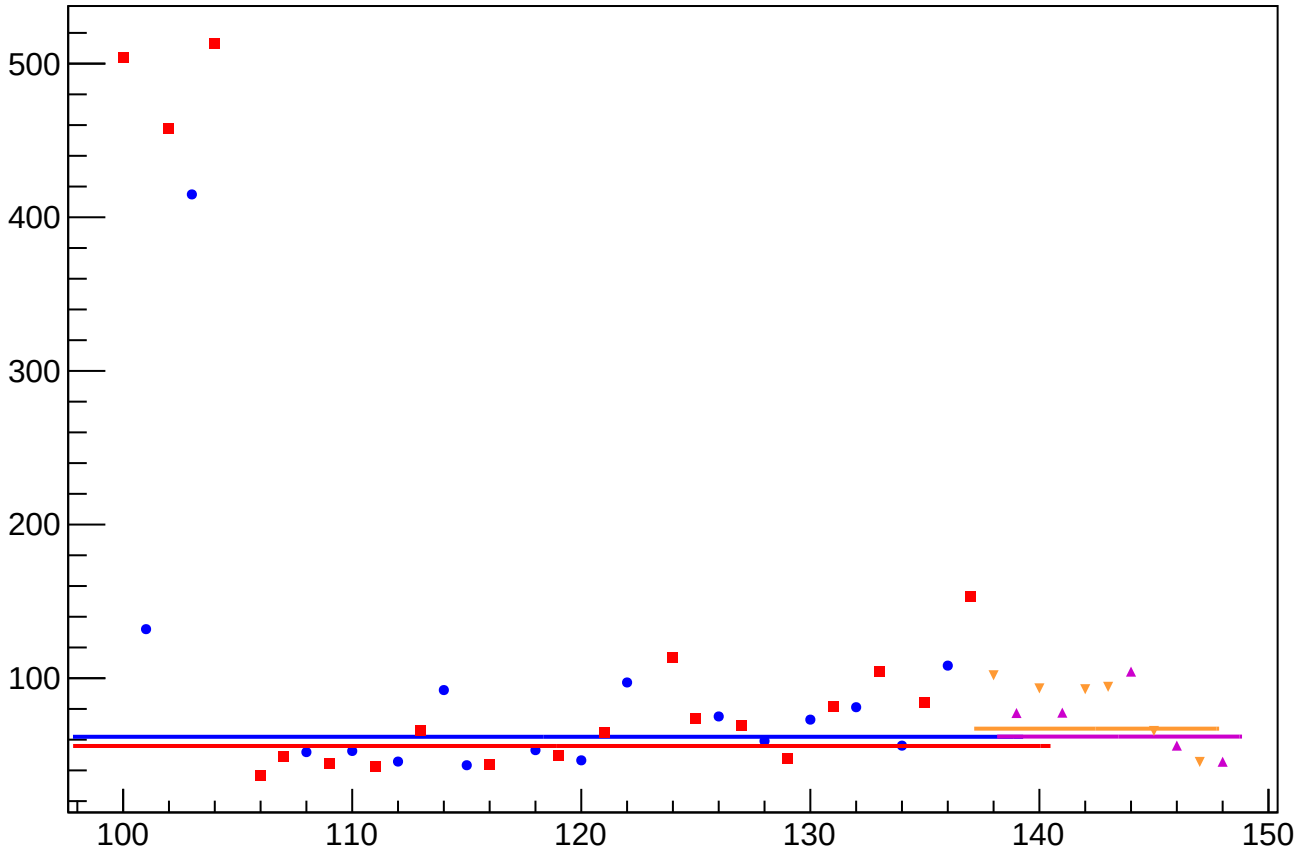
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:2093099.6/20

Out: 0.000+/-0.000 χ^2/NDF:2338215.6/24

All: 0.000+/-0.000 χ^2/NDF: 4524359.8/45


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.017+/-0.035 χ²/NDF:8.6/5
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.030+/-0.032 χ²/NDF:4.6/4
Left: -0.024+/-0.024 χ²/NDF: 13.3/10
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.025+/-0.021 χ²/NDF:16.7/20
Out: -0.028+/-0.020 χ²/NDF:33.2/24
All: -0.026+/-0.014 χ²/NDF: 49.9/45



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 67.167+/-0.025 χ^2/NDF:819323.5/5

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

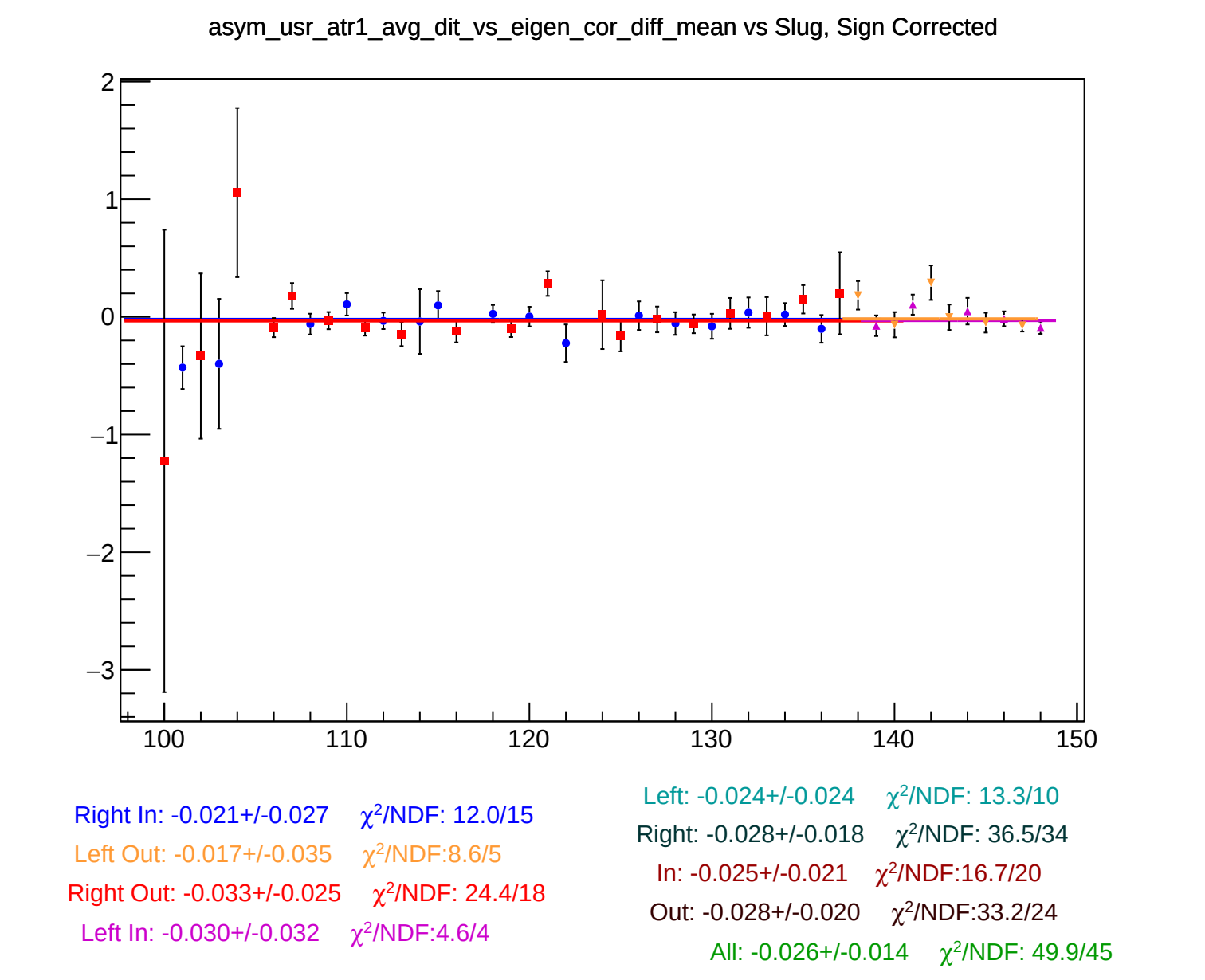
Left: 64.345+/-0.017 χ^2/NDF: 1462826.0/10

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

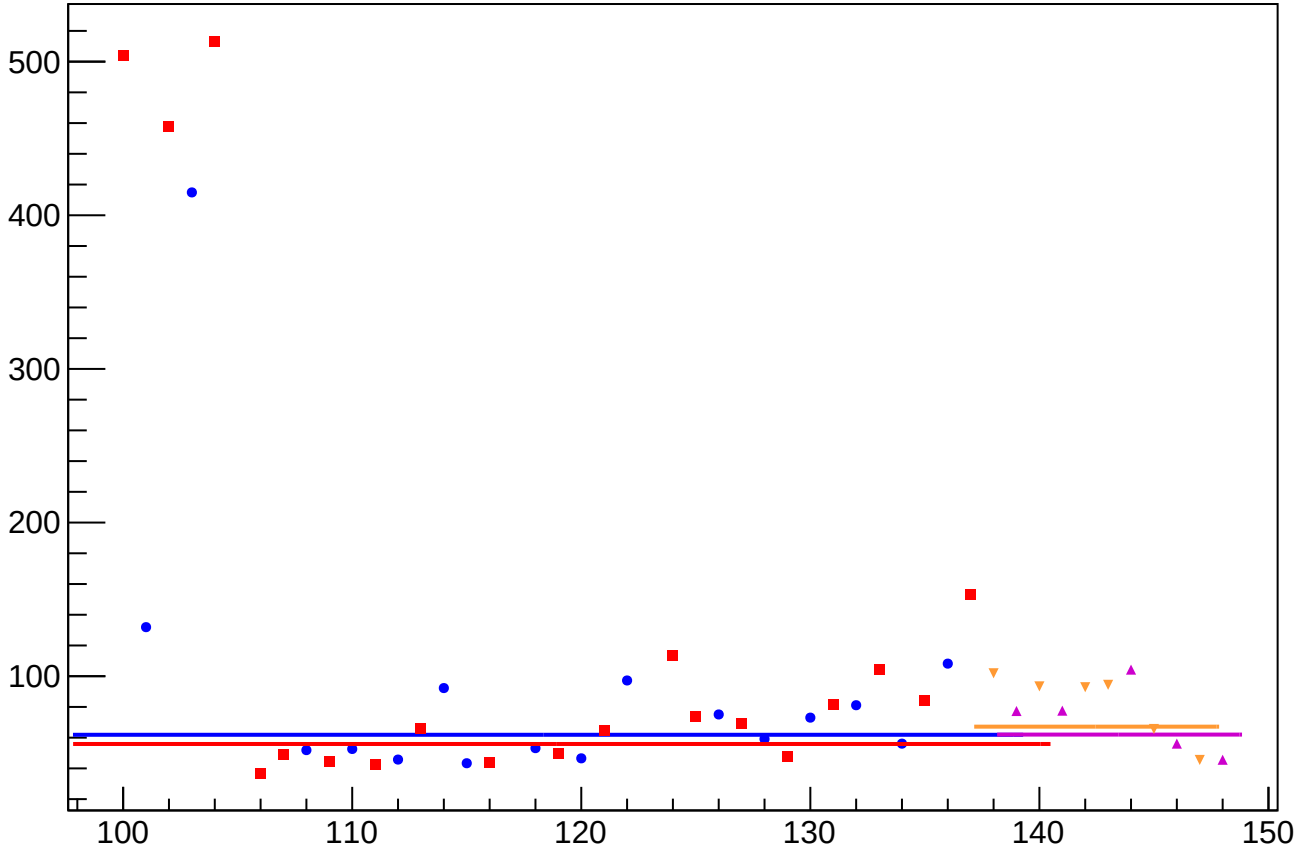
In: 61.928+/-0.014 χ^2/NDF:2558242.2/20

Out: 59.555+/-0.014 χ^2/NDF:3547496.6/24

All: 60.723+/-0.010 χ^2/NDF: 6119333.4/45


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.017+/-0.035 χ²/NDF:8.6/5
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.030+/-0.032 χ²/NDF:4.6/4
Left: -0.024+/-0.024 χ²/NDF: 13.3/10
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.025+/-0.021 χ²/NDF:16.7/20
Out: -0.028+/-0.020 χ²/NDF:33.2/24
All: -0.026+/-0.014 χ²/NDF: 49.9/45

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 67.167+/-0.025 χ^2/NDF:819323.5/5

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

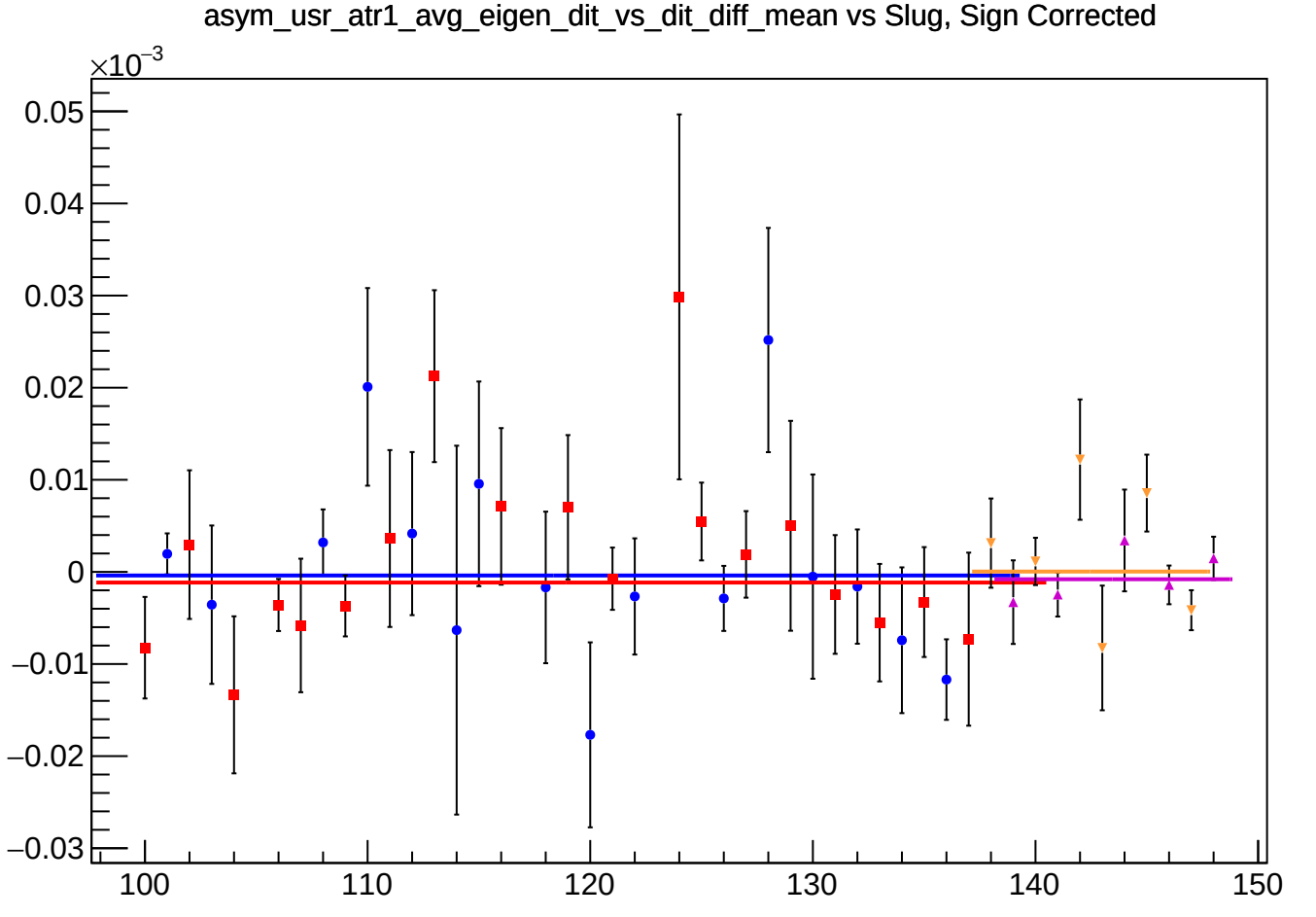
Left: 64.345+/-0.017 χ^2/NDF: 1462826.0/10

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 61.928+/-0.014 χ^2/NDF:2558242.2/20

Out: 59.555+/-0.014 χ^2/NDF:3547496.6/24

All: 60.723+/-0.010 χ^2/NDF: 6119333.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

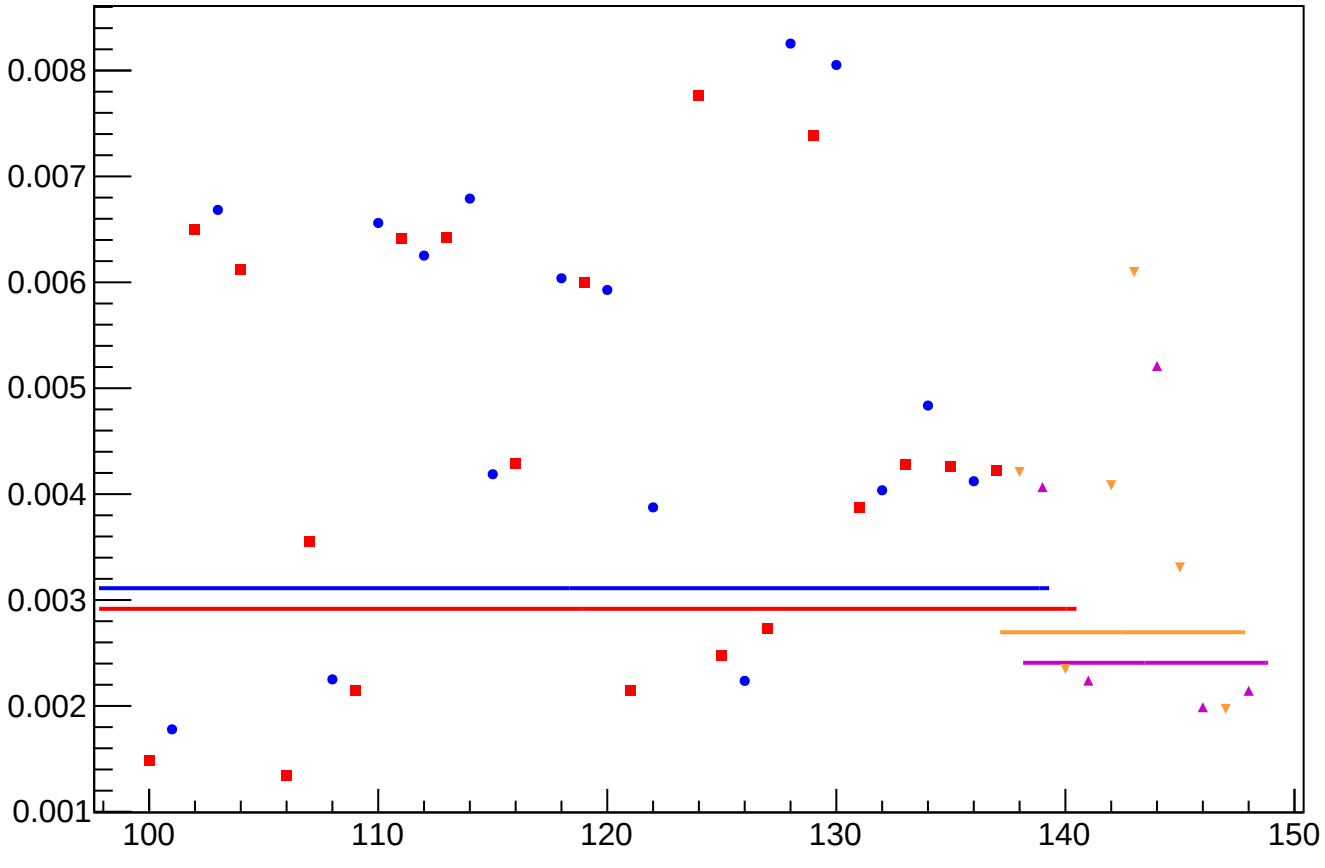
Left: -0.000+/-0.000 χ^2/NDF: 16.0/10

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: -0.000+/-0.000 χ^2/NDF:25.0/20

Out: -0.000+/-0.000 χ^2/NDF:34.3/24

All: -0.000+/-0.000 χ^2/NDF: 59.3/45



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1092376.0/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:897075.4/4

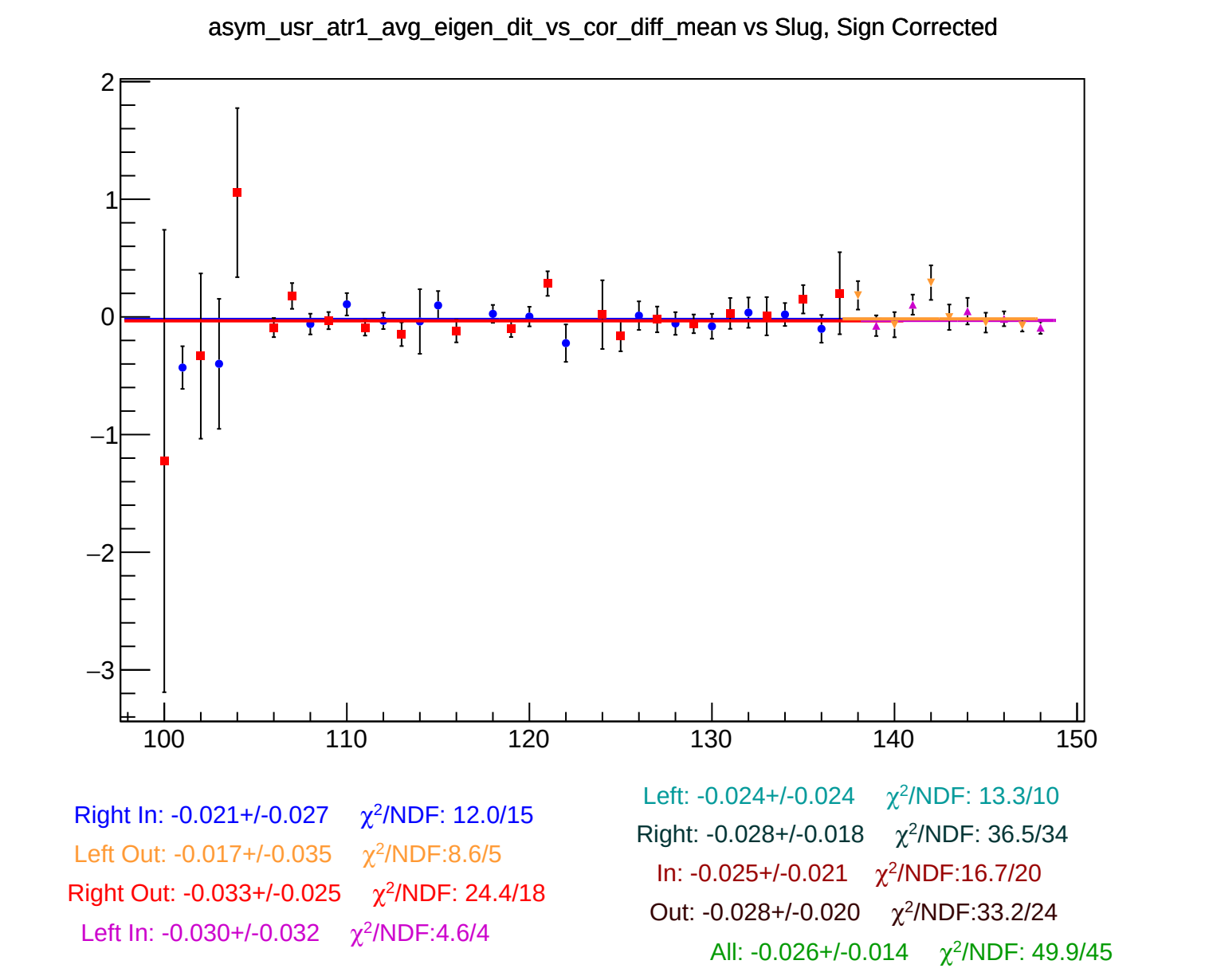
Left: 0.003+/-0.000 χ^2/NDF: 2037354.6/10

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

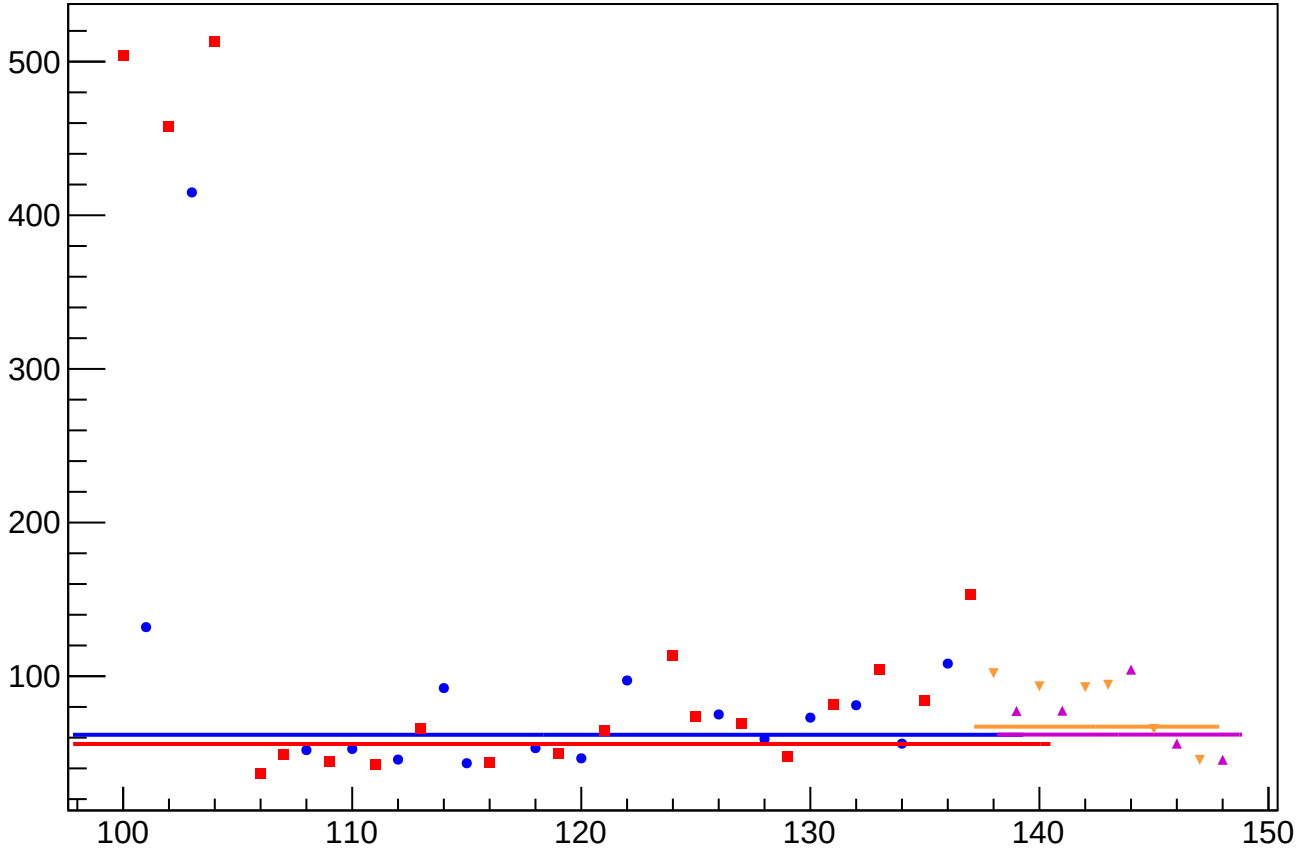
In: 0.003+/-0.000 χ^2/NDF:4483699.3/20

Out: 0.003+/-0.000 χ^2/NDF:4415646.3/24

All: 0.003+/-0.000 χ^2/NDF: 8908545.4/45


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.017+/-0.035 χ²/NDF:8.6/5
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.030+/-0.032 χ²/NDF:4.6/4
Left: -0.024+/-0.024 χ²/NDF: 13.3/10
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.025+/-0.021 χ²/NDF:16.7/20
Out: -0.028+/-0.020 χ²/NDF:33.2/24
All: -0.026+/-0.014 χ²/NDF: 49.9/45

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: 67.167+/-0.025 χ^2/NDF:819338.0/5

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

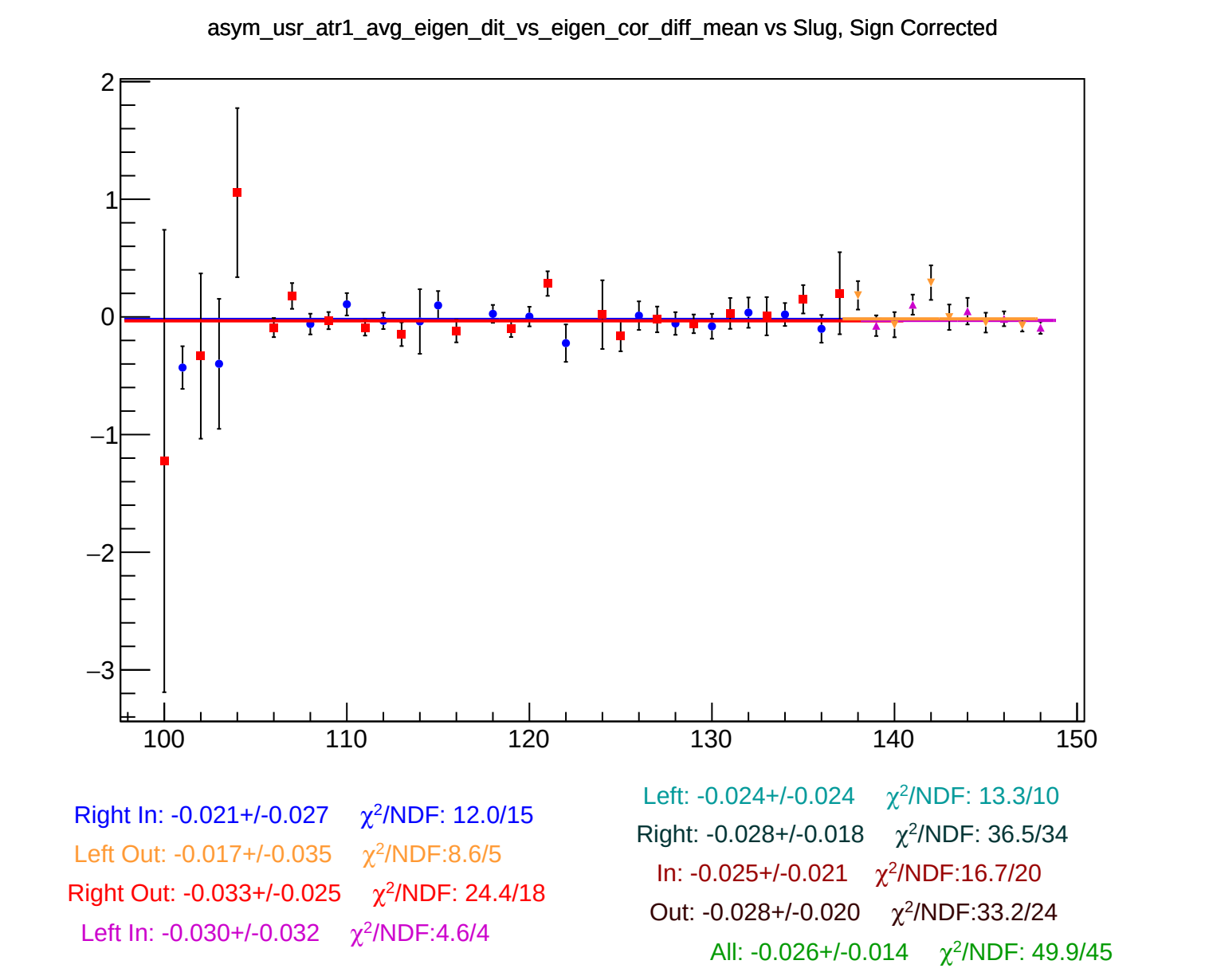
Left: 64.345+/-0.017 χ^2/NDF: 1462836.1/10

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

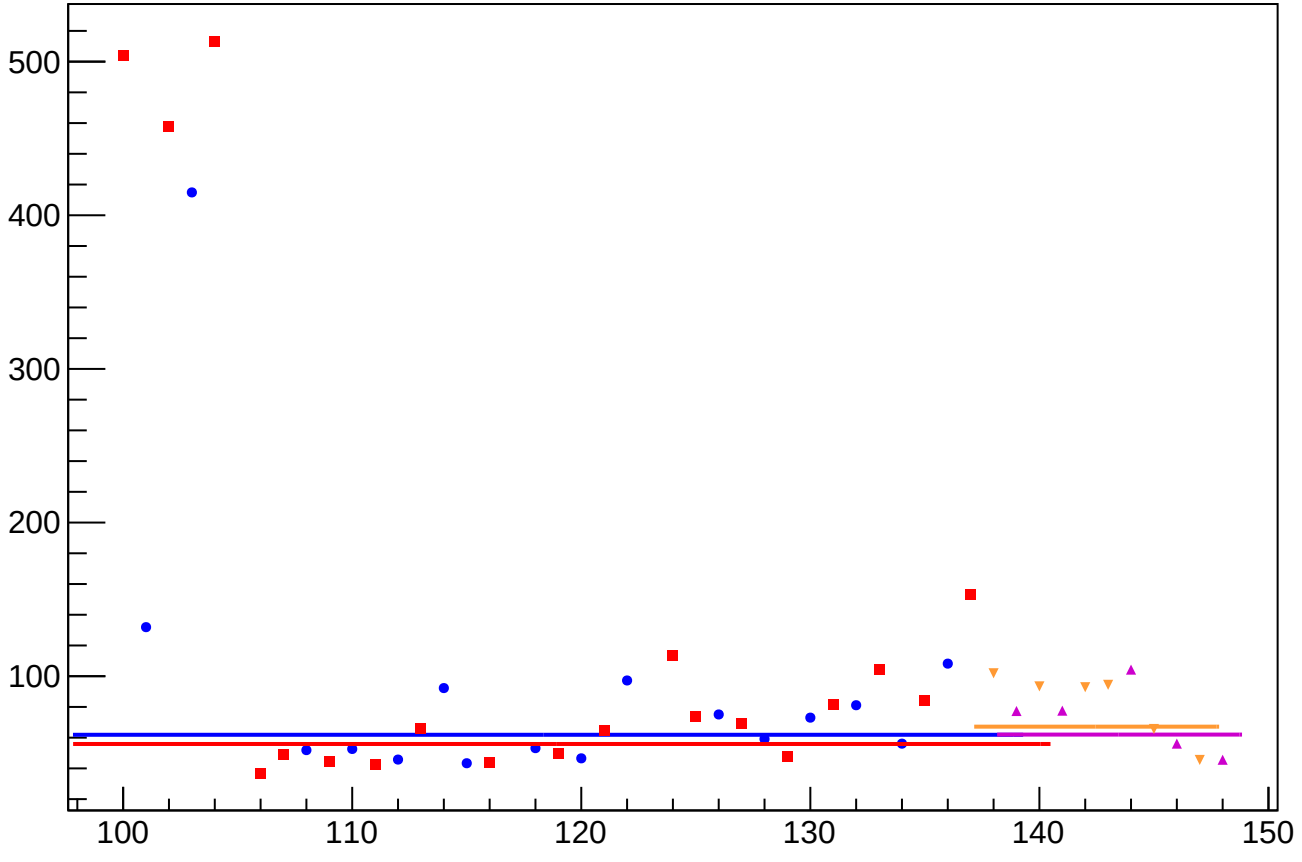
In: 61.927+/-0.014 χ^2/NDF:2558191.3/20

Out: 59.554+/-0.014 χ^2/NDF:3547486.1/24

All: 60.723+/-0.010 χ^2/NDF: 6119276.0/45


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.017+/-0.035 χ²/NDF:8.6/5
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.030+/-0.032 χ²/NDF:4.6/4
Left: -0.024+/-0.024 χ²/NDF: 13.3/10
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.025+/-0.021 χ²/NDF:16.7/20
Out: -0.028+/-0.020 χ²/NDF:33.2/24
All: -0.026+/-0.014 χ²/NDF: 49.9/45

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: 67.167+/-0.025 χ^2/NDF:819338.0/5

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

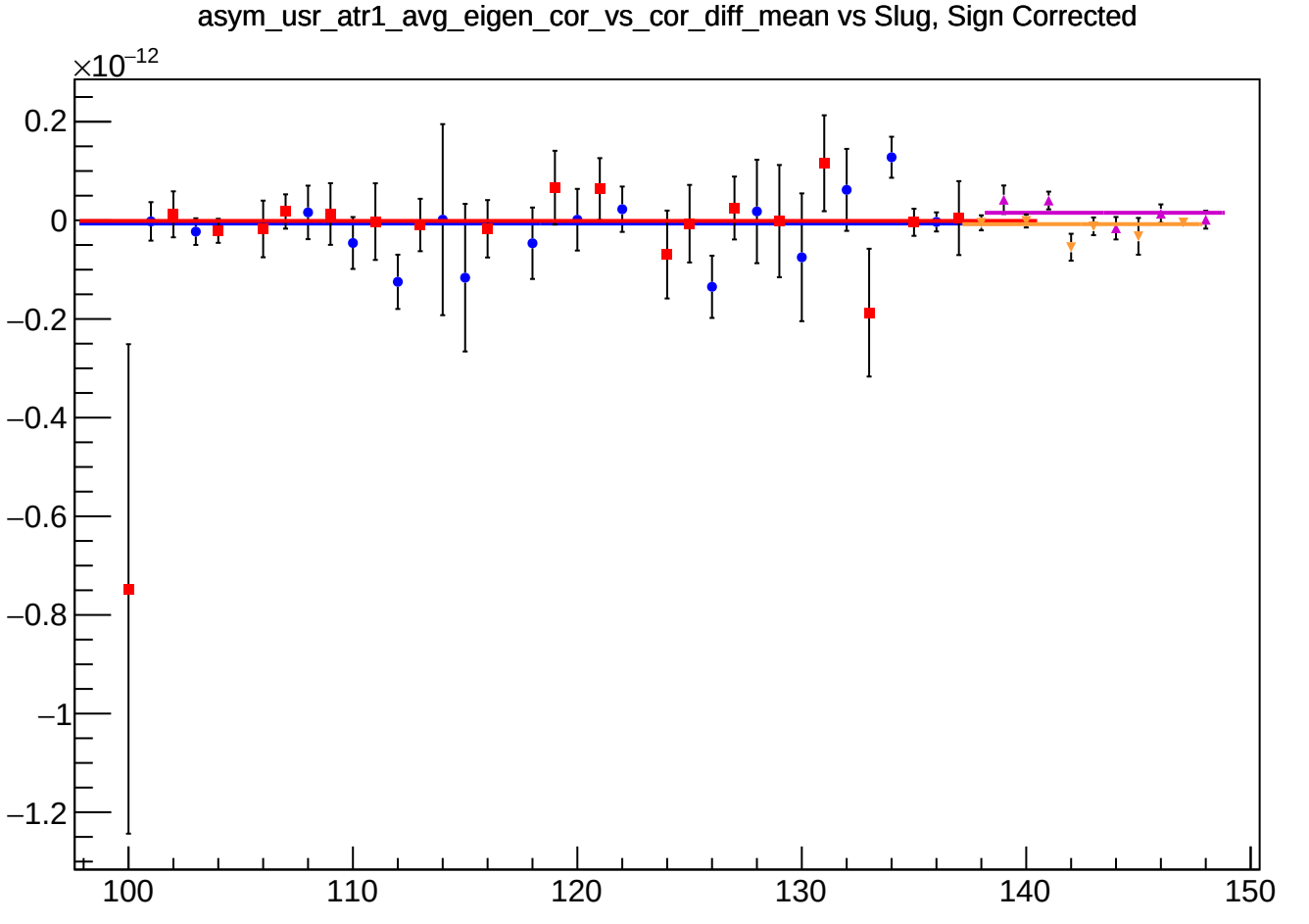
Left: 64.345+/-0.017 χ^2/NDF: 1462836.1/10

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 61.927+/-0.014 χ^2/NDF:2558191.3/20

Out: 59.554+/-0.014 χ^2/NDF:3547486.1/24

All: 60.723+/-0.010 χ^2/NDF: 6119276.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/4

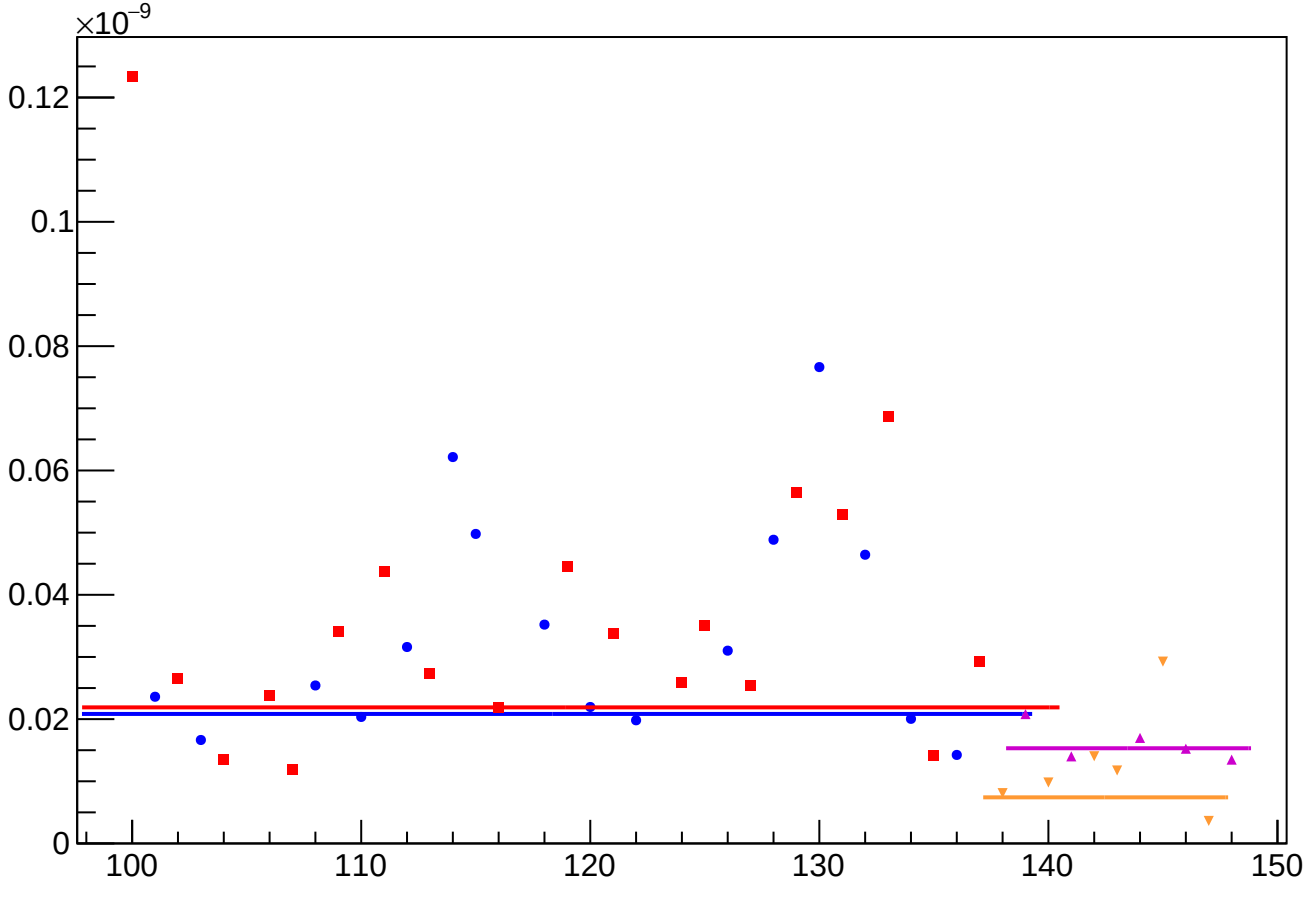
Left: -0.000+/-0.000 χ^2/NDF: 13.7/10

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:30.1/20

Out: -0.000+/-0.000 χ^2/NDF:13.8/24

All: -0.000+/-0.000 χ^2/NDF: 46.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1402298.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:114458.0/4

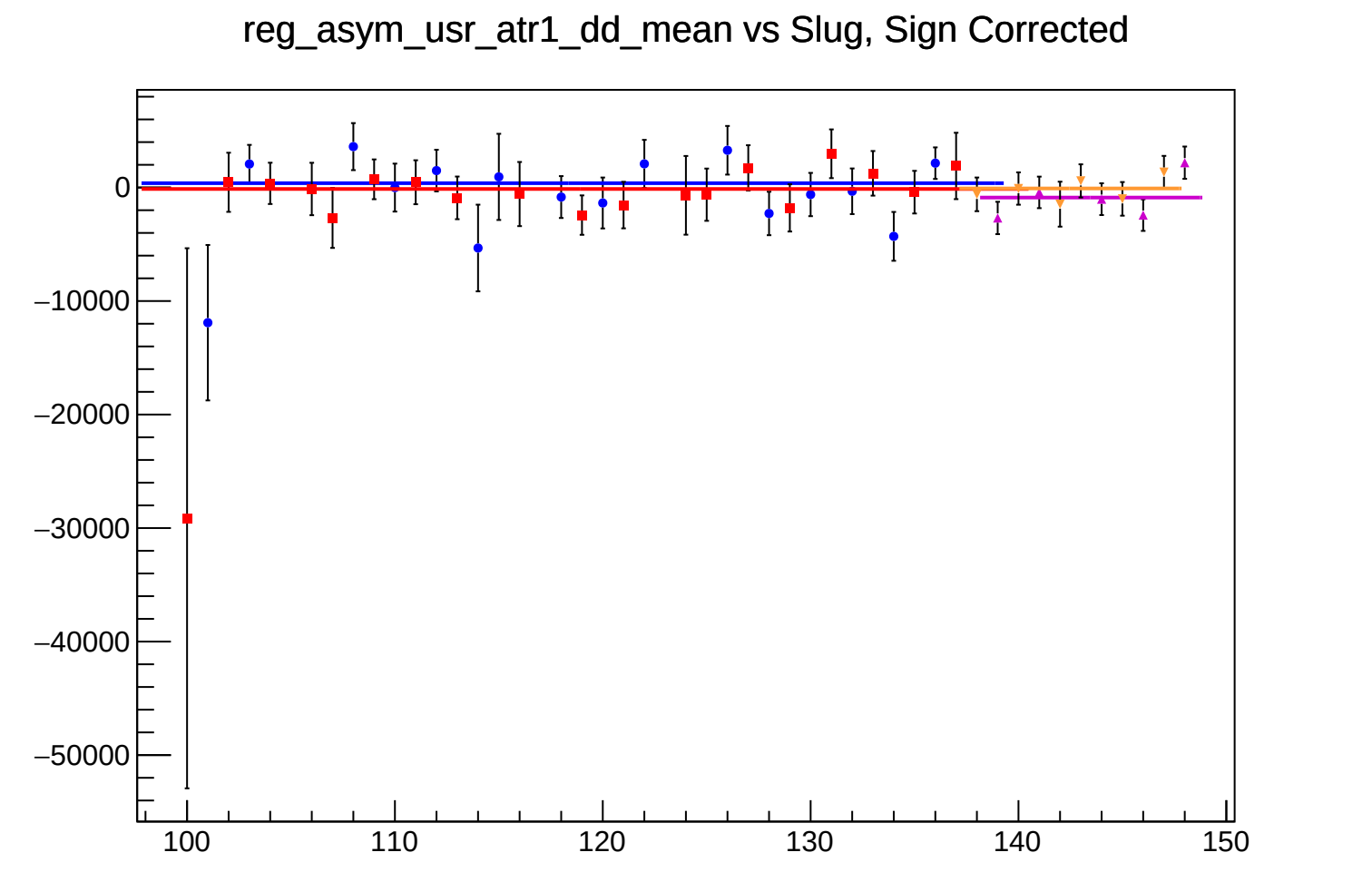
Left: 0.000+/-0.000 χ^2/NDF: 2588678.6/10

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1789349.2/20

Out: 0.000+/-0.000 χ^2/NDF:5697351.5/24

All: 0.000+/-0.000 χ^2/NDF: 8854862.8/45



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.519+/-618.311 χ^2/NDF:2.2/5

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -885.366+/-628.339 χ^2/NDF:7.6/4

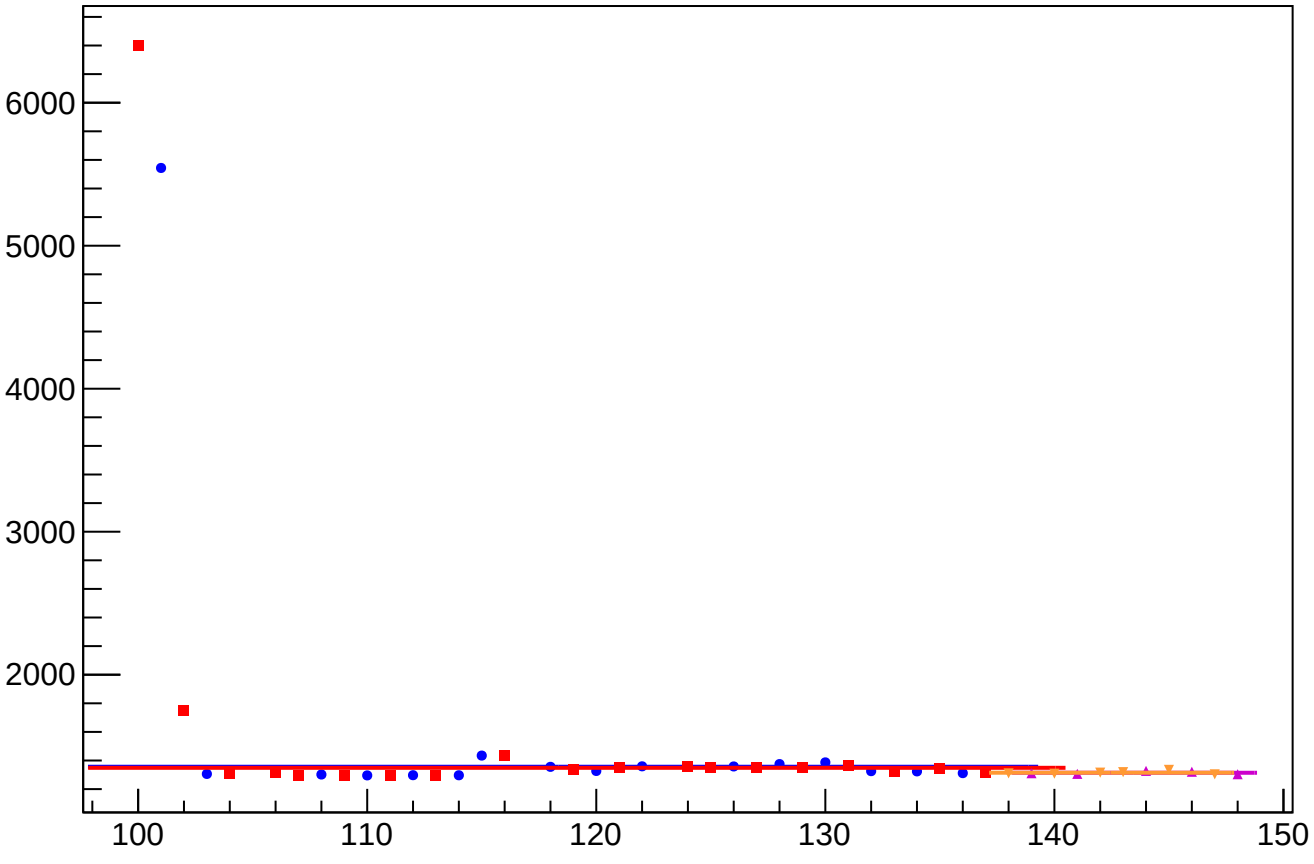
Left: -477.485+/-440.714 χ^2/NDF: 10.6/10

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -130.921+/-399.593 χ^2/NDF:31.5/20

Out: -109.932+/-389.252 χ^2/NDF:12.2/24

All: -120.152+/-278.827 χ^2/NDF: 43.7/45



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

Left: 1314.489+/-0.312 χ^2/NDF: 974.9/10

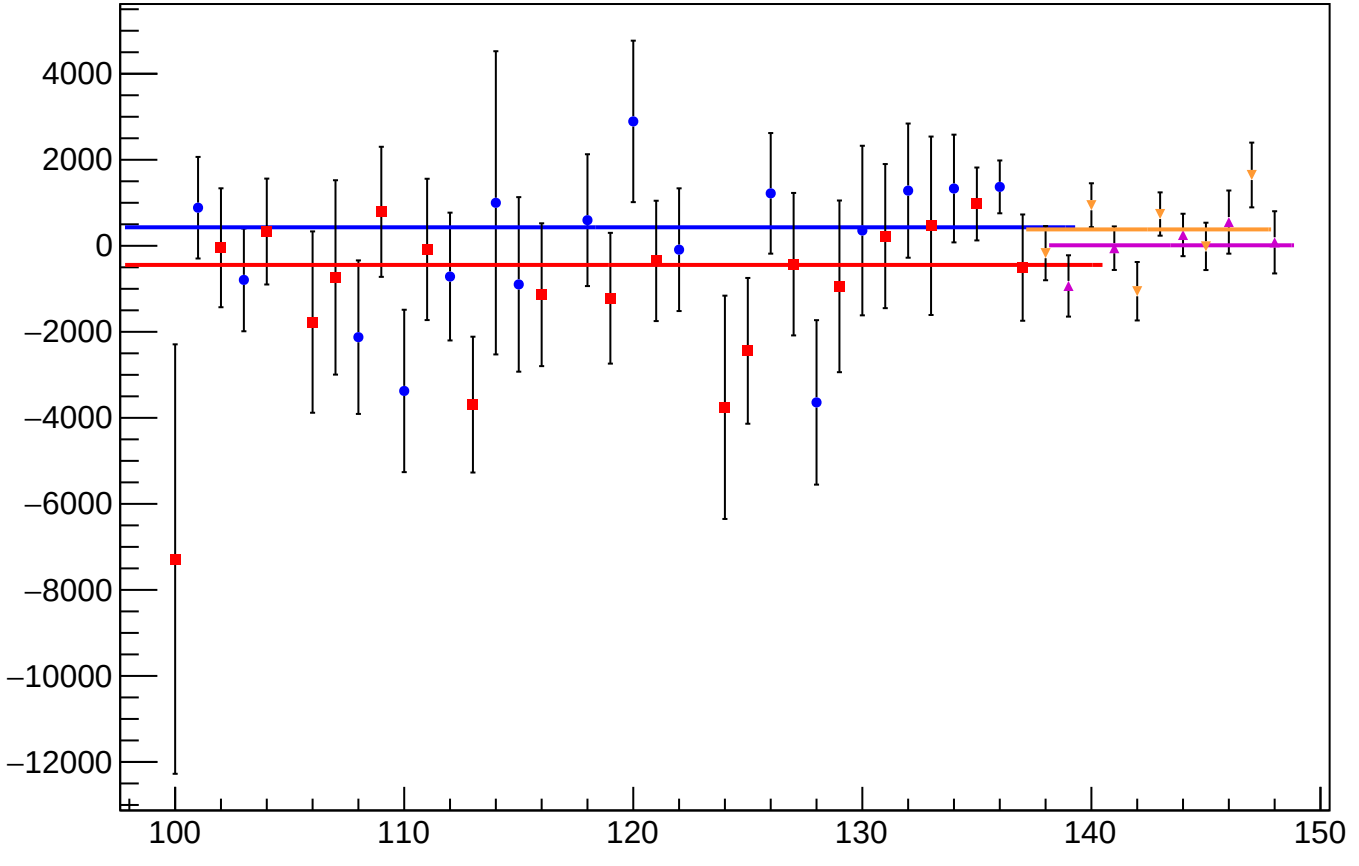
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1339.370+/-0.283 χ^2/NDF:766020.4/20

Out: 1335.381+/-0.275 χ^2/NDF:151548.9/24

All: 1337.323+/-0.197 χ^2/NDF: 917671.6/45

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 381.014+/-238.752 χ^2/NDF:10.3/5

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 11.808+/-269.678 χ^2/NDF:2.6/4

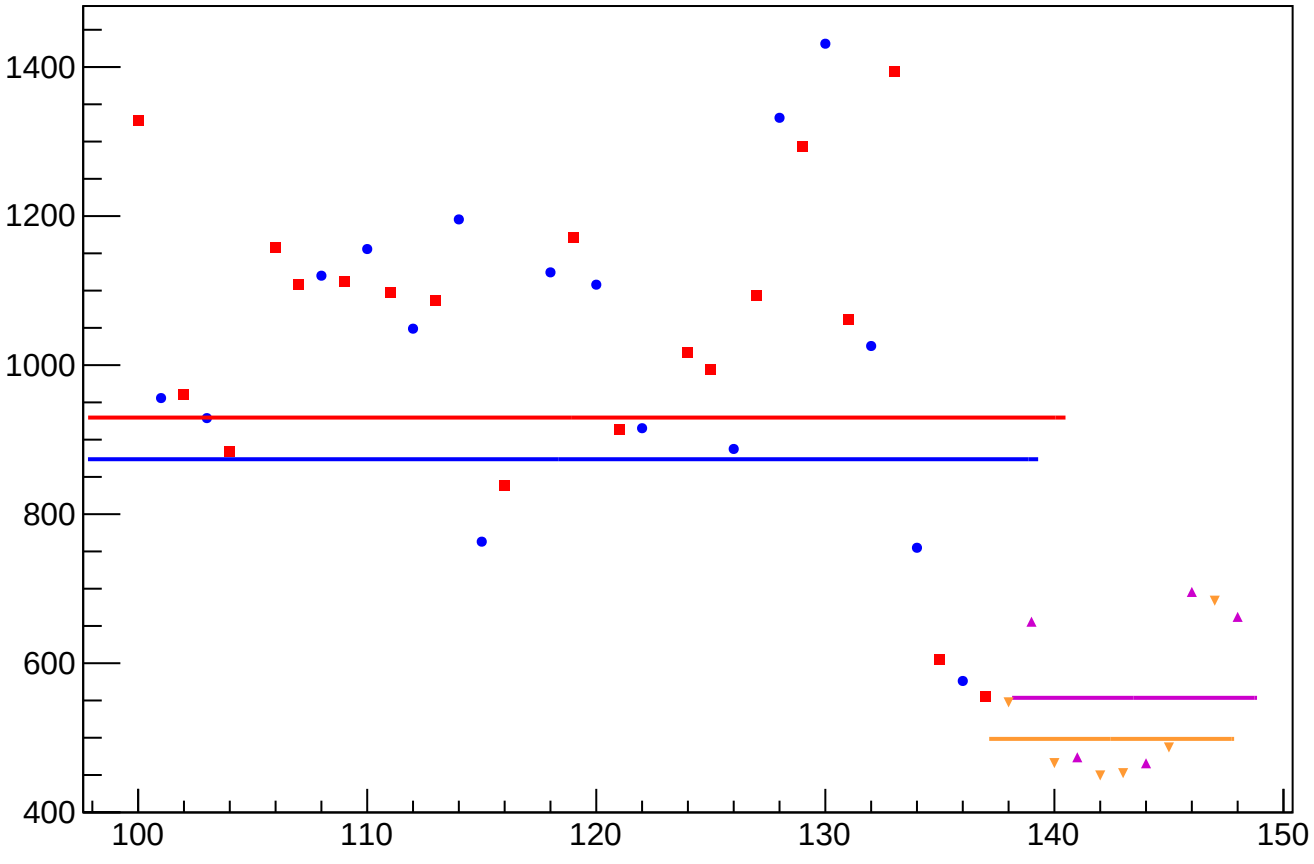
Left: 218.786+/-178.761 χ^2/NDF: 13.9/10

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 174.344+/-210.914 χ^2/NDF:21.7/20

Out: 124.489+/-198.218 χ^2/NDF:28.4/24

All: 147.871+/-144.441 χ^2/NDF: 50.2/45



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 498.469+/-0.169 χ^2/NDF:169588.3/5

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 553.562+/-0.191 χ^2/NDF:274243.2/4

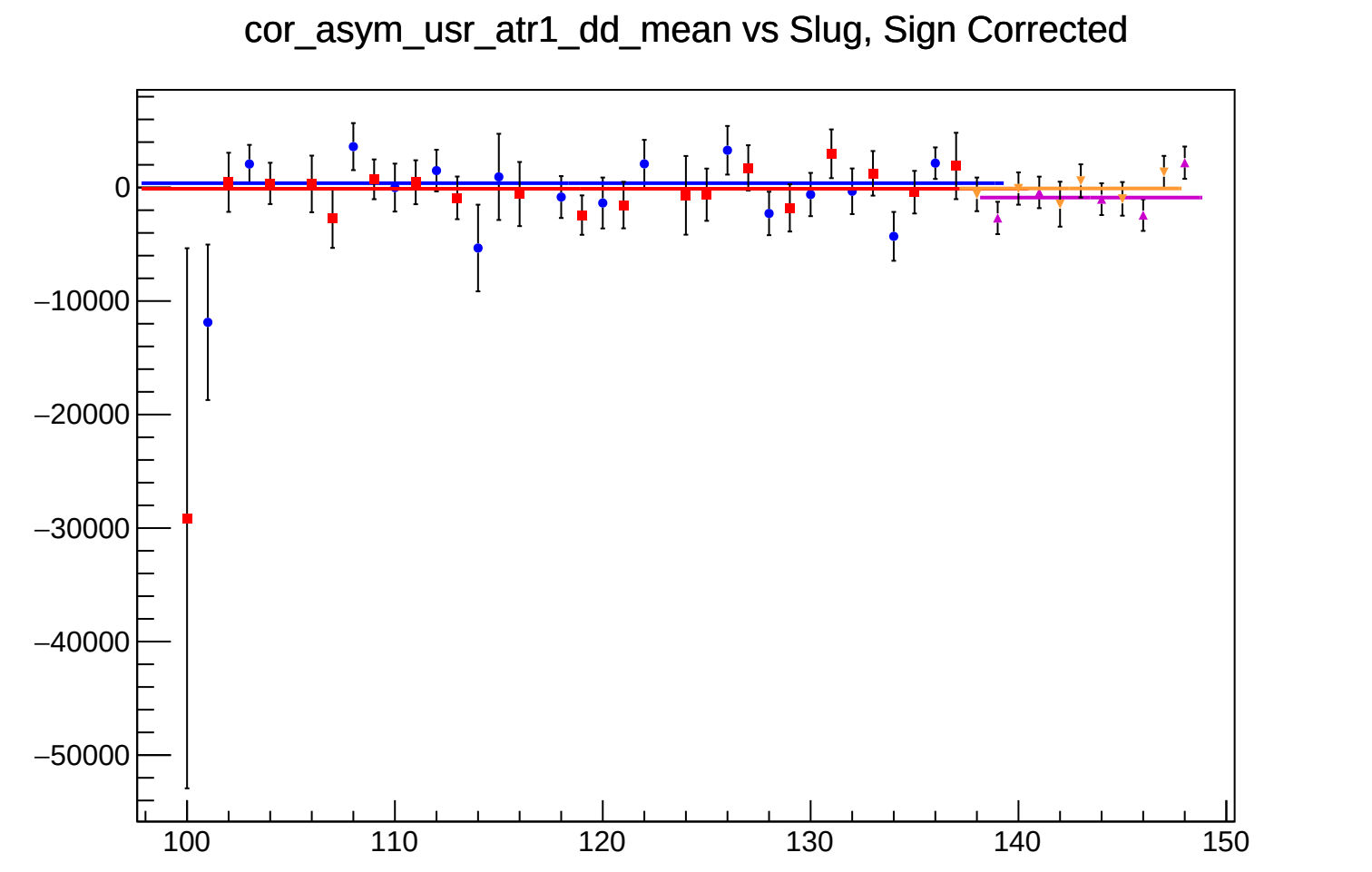
Left: 522.677+/-0.126 χ^2/NDF: 490626.3/10

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 677.893+/-0.149 χ^2/NDF:2383812.3/20

Out: 632.443+/-0.140 χ^2/NDF:3056299.8/24

All: 653.759+/-0.102 χ^2/NDF: 5489426.8/45



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.594+/-618.311 χ^2/NDF:2.2/5

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -885.382+/-628.339 χ^2/NDF:7.6/4

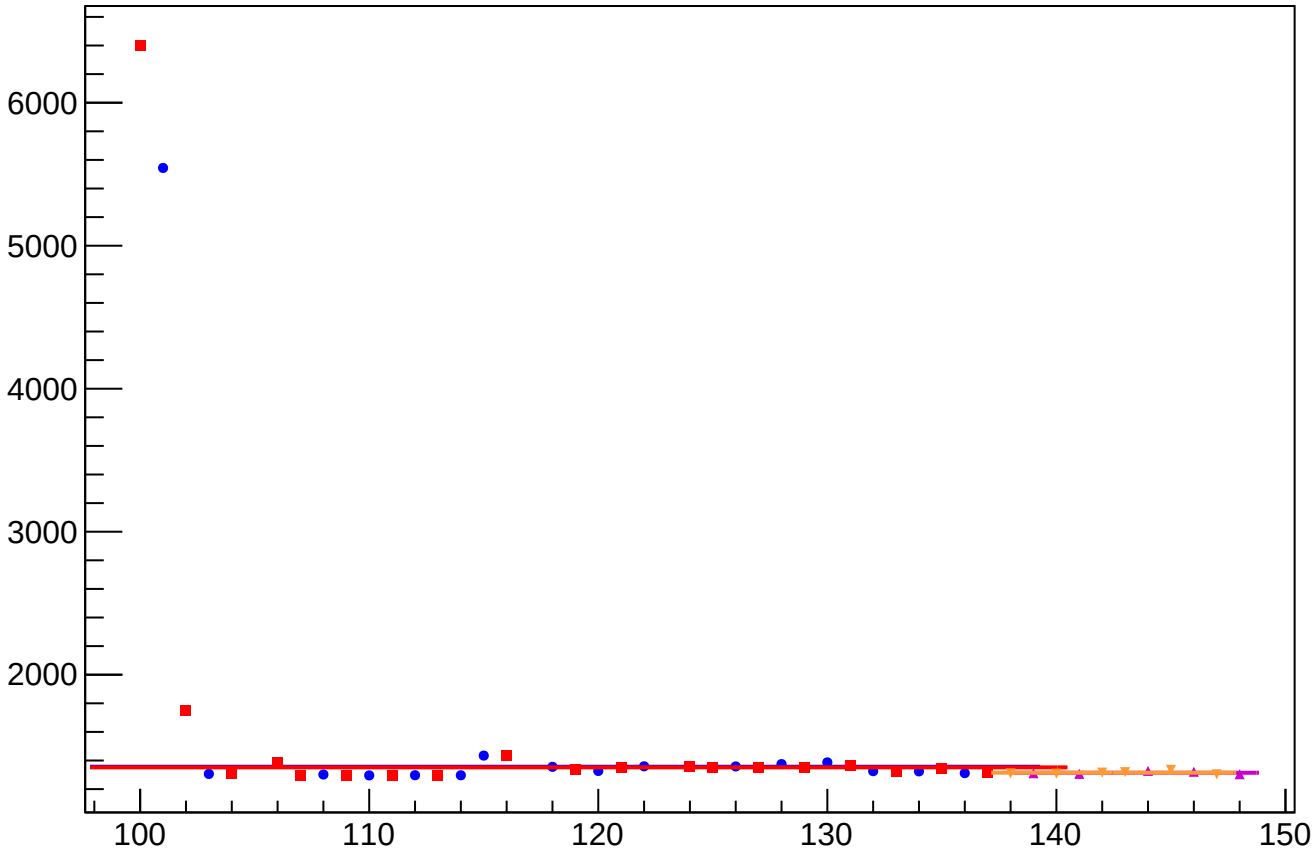
Left: -477.531+/-440.714 χ^2/NDF: 10.6/10

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -130.744+/-399.593 χ^2/NDF:31.5/20

Out: -99.263+/-390.052 χ^2/NDF:12.2/24

All: -114.623+/-279.121 χ^2/NDF: 43.7/45



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

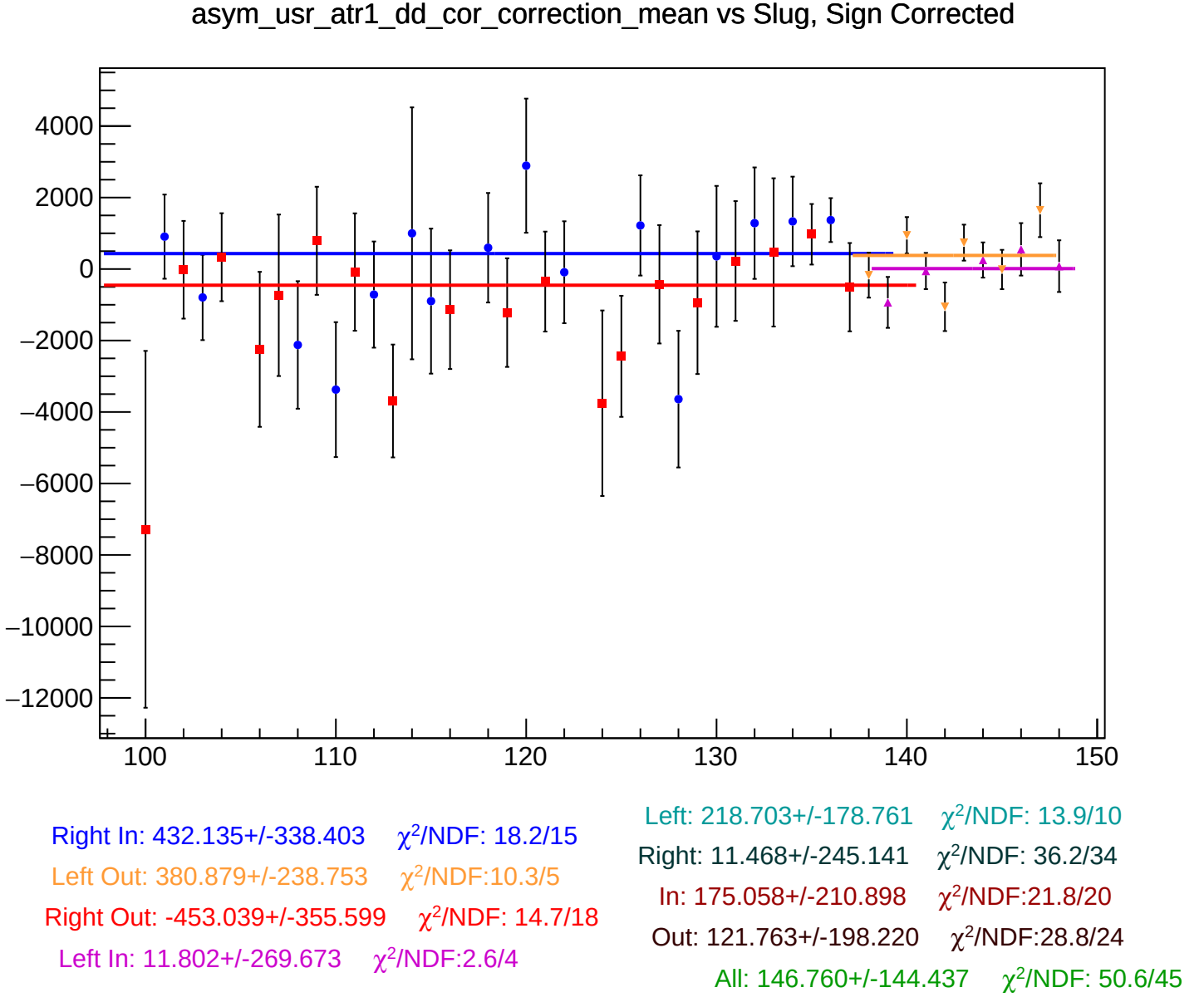
Left: 1314.489+/-0.312 χ^2/NDF: 974.9/10

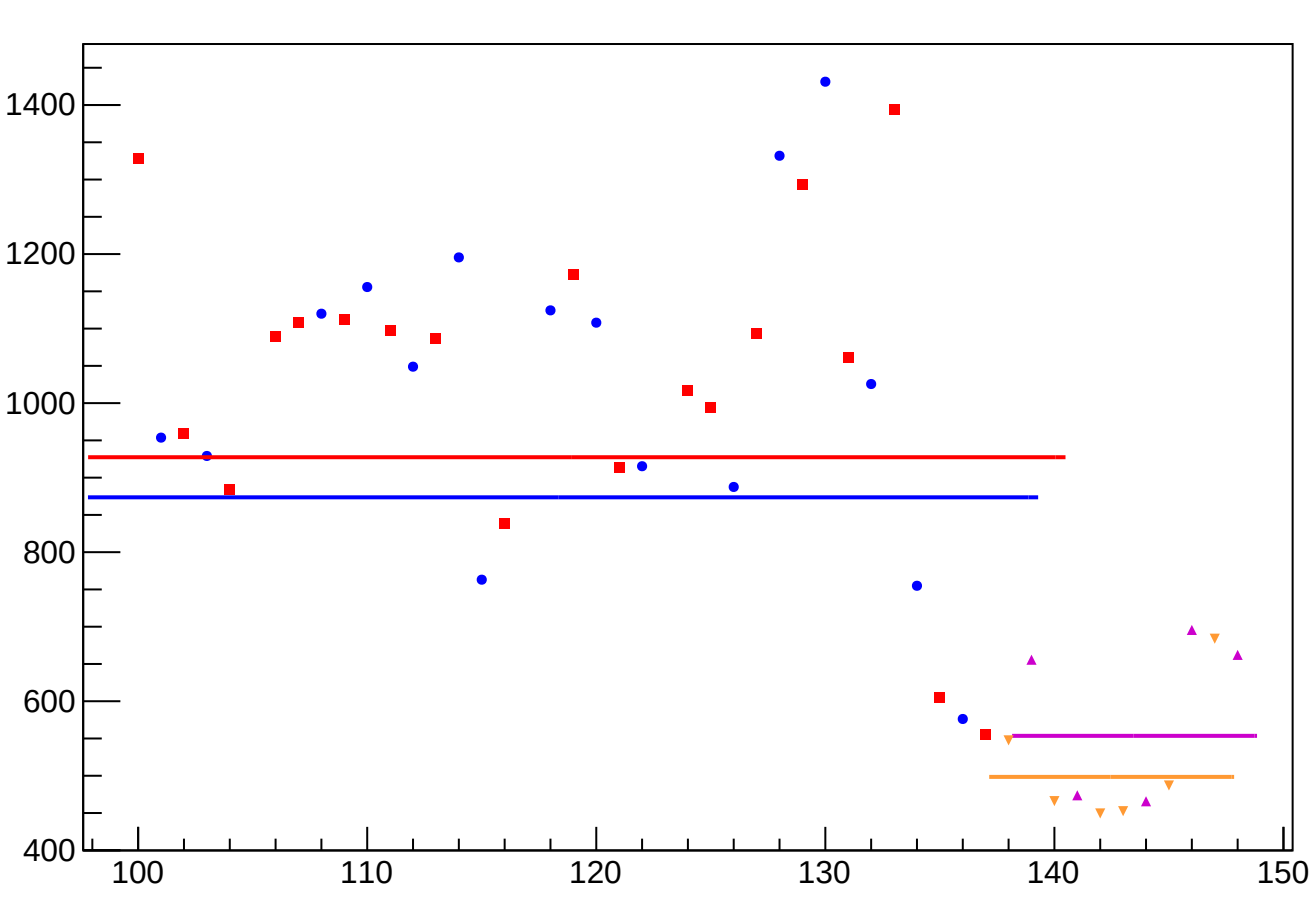
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1339.370+/-0.283 χ^2/NDF:766019.5/20

Out: 1337.197+/-0.276 χ^2/NDF:152301.9/24

All: 1338.257+/-0.197 χ^2/NDF: 918351.6/45


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 380.879+/-238.753 χ²/NDF:10.3/5
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 11.802+/-269.673 χ²/NDF:2.6/4
Left: 218.703+/-178.761 χ²/NDF: 13.9/10
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 175.058+/-210.898 χ²/NDF:21.8/20
Out: 121.763+/-198.220 χ²/NDF:28.8/24
All: 146.760+/-144.437 χ²/NDF: 50.6/45



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.473+/-0.169 χ^2/NDF:169588.6/5

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

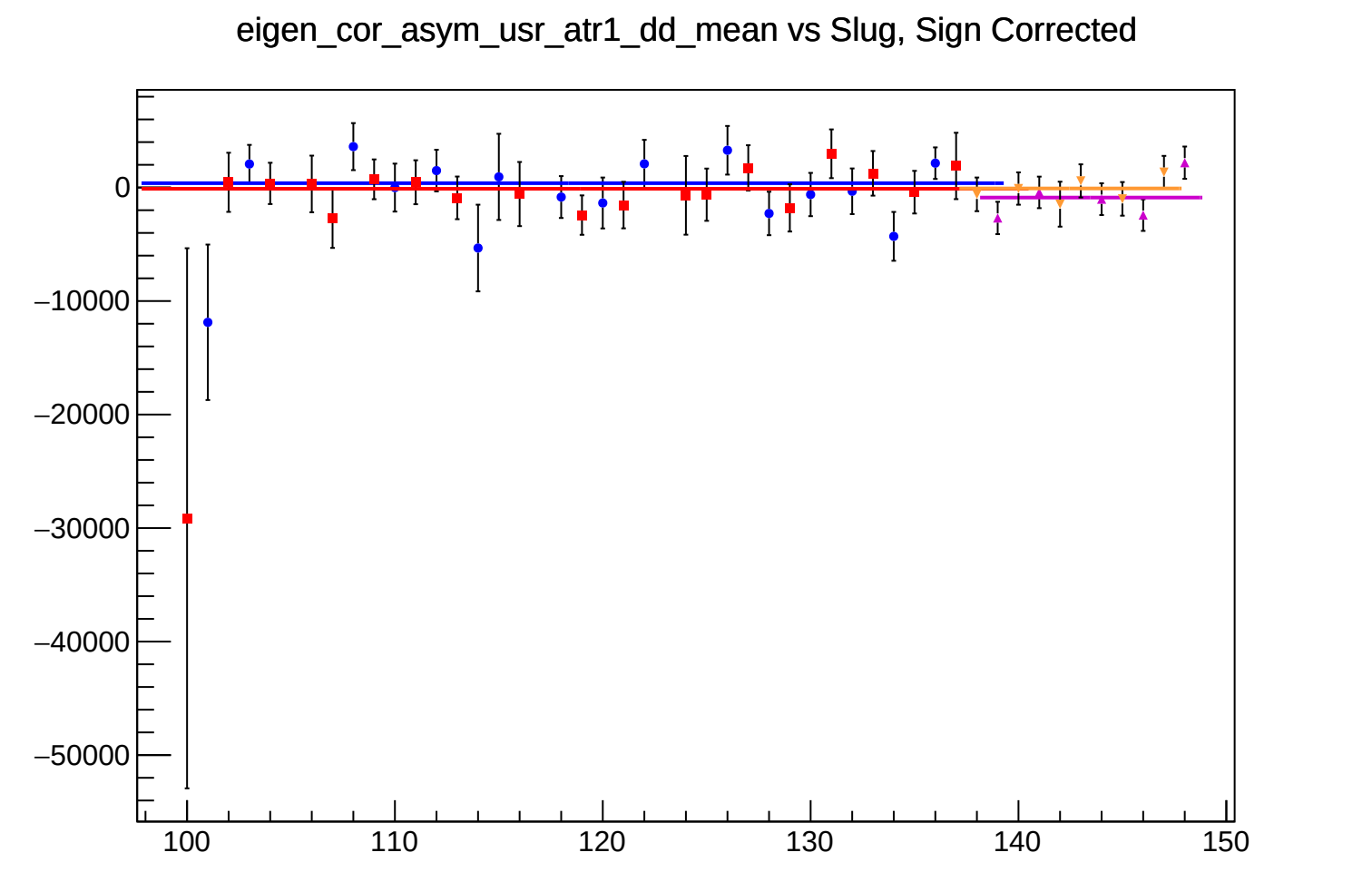
Left: 522.675+/-0.126 χ^2/NDF: 490621.7/10

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 677.860+/-0.149 χ^2/NDF:2382822.8/20

Out: 631.752+/-0.140 χ^2/NDF:3022753.5/24

All: 653.379+/-0.102 χ^2/NDF: 5456333.7/45



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.594+/-618.311 χ^2/NDF:2.2/5

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -885.382+/-628.339 χ^2/NDF:7.6/4

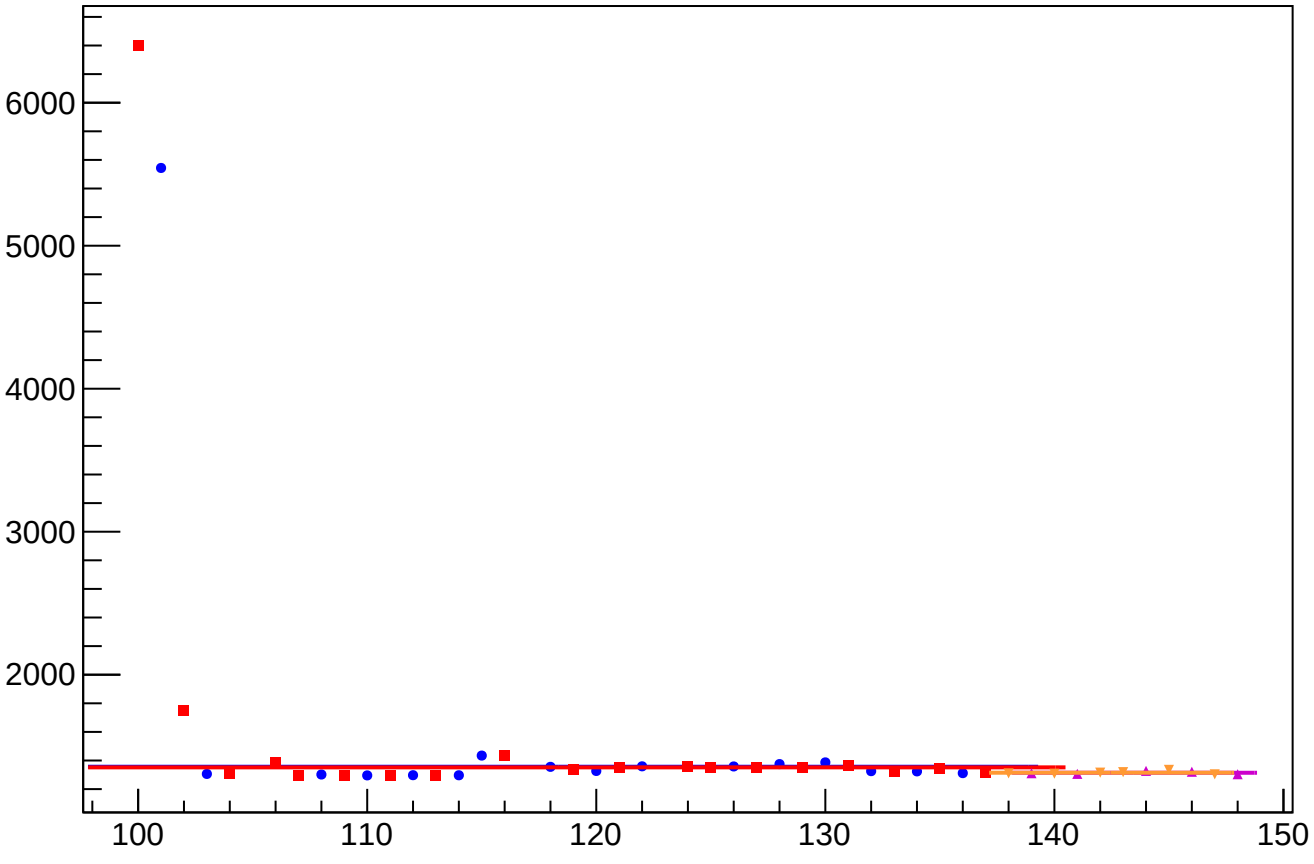
Left: -477.531+/-440.714 χ^2/NDF: 10.6/10

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

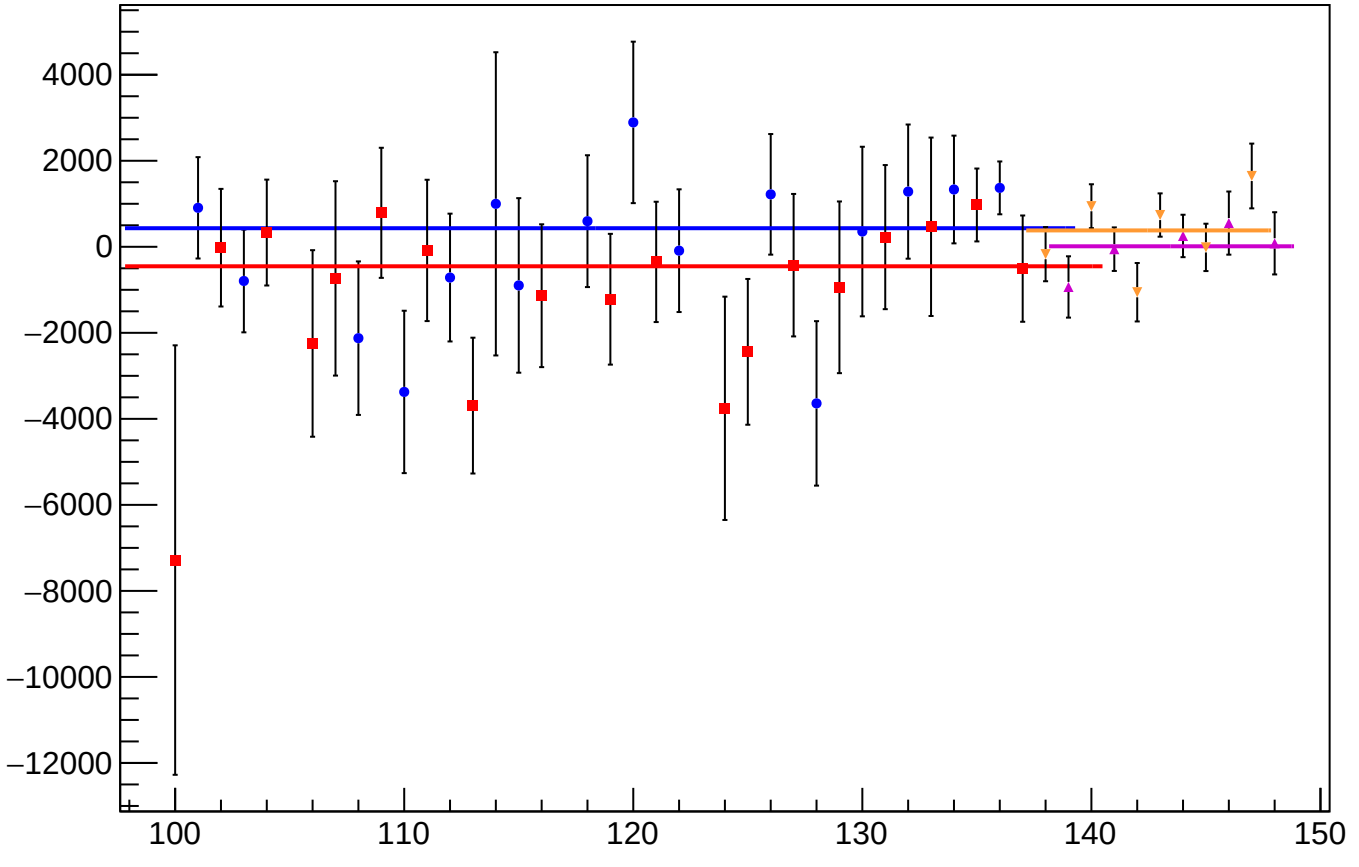
In: -130.744+/-399.593 χ^2/NDF:31.5/20

Out: -99.263+/-390.052 χ^2/NDF:12.2/24

All: -114.623+/-279.121 χ^2/NDF: 43.7/45


eigen_cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1356.397+/-0.366 χ²/NDF: 760265.4/15
Left Out: 1314.675+/-0.437 χ²/NDF:568.0/5
Right Out: 1352.083+/-0.355 χ²/NDF: 147326.5/18
Left In: 1314.296+/-0.444 χ²/NDF:406.6/4
Left: 1314.489+/-0.312 χ²/NDF: 974.9/10
Right: 1354.176+/-0.255 χ²/NDF: 907663.3/34
In: 1339.370+/-0.283 χ²/NDF:766019.5/20
Out: 1337.197+/-0.276 χ²/NDF:152301.9/24
All: 1338.257+/-0.197 χ²/NDF: 918351.6/45

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 380.879+/-238.753 χ^2/NDF:10.3/5

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 11.802+/-269.673 χ^2/NDF:2.6/4

Left: 218.703+/-178.761 χ^2/NDF: 13.9/10

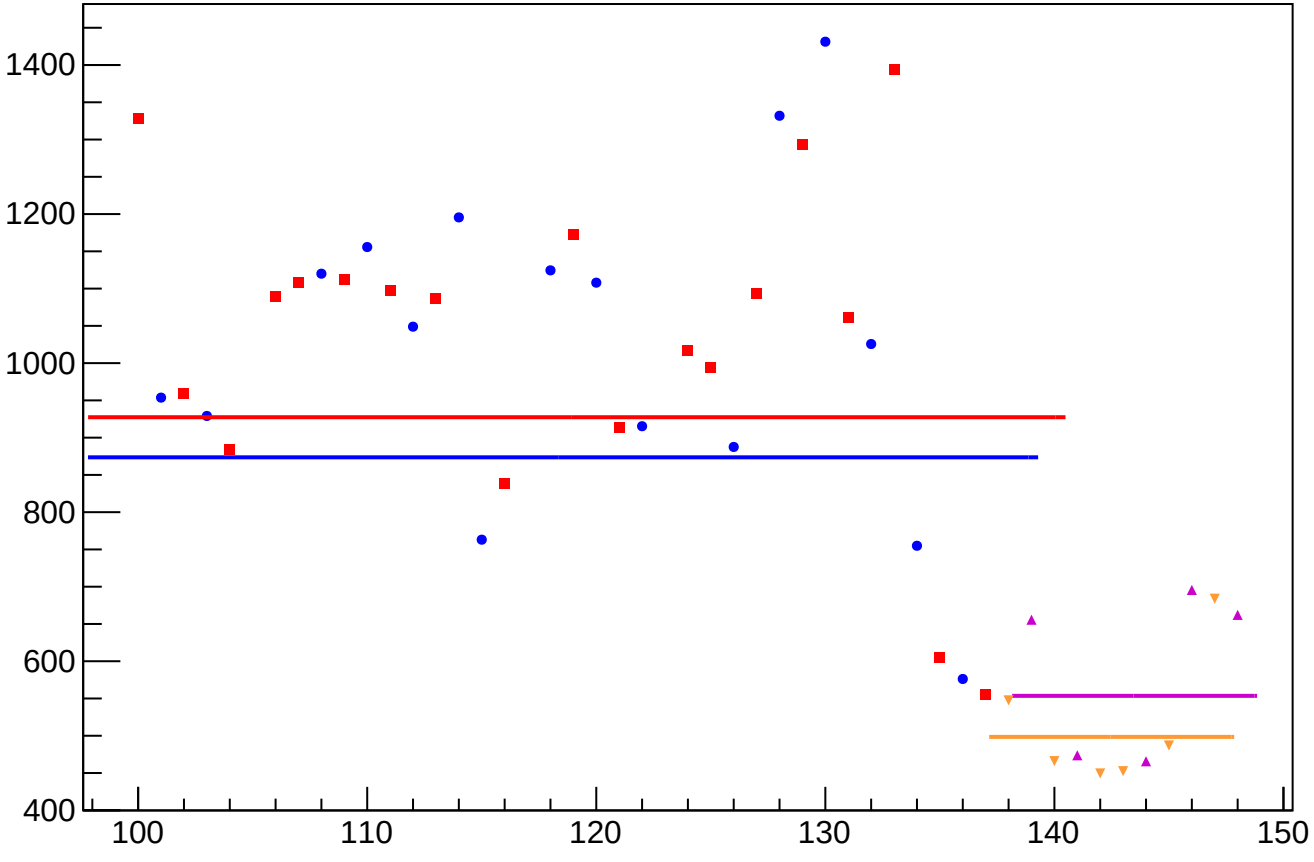
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 175.058+/-210.898 χ^2/NDF:21.8/20

Out: 121.763+/-198.220 χ^2/NDF:28.8/24

All: 146.760+/-144.437 χ^2/NDF: 50.6/45

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.473+/-0.169 χ^2/NDF:169588.6/5

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

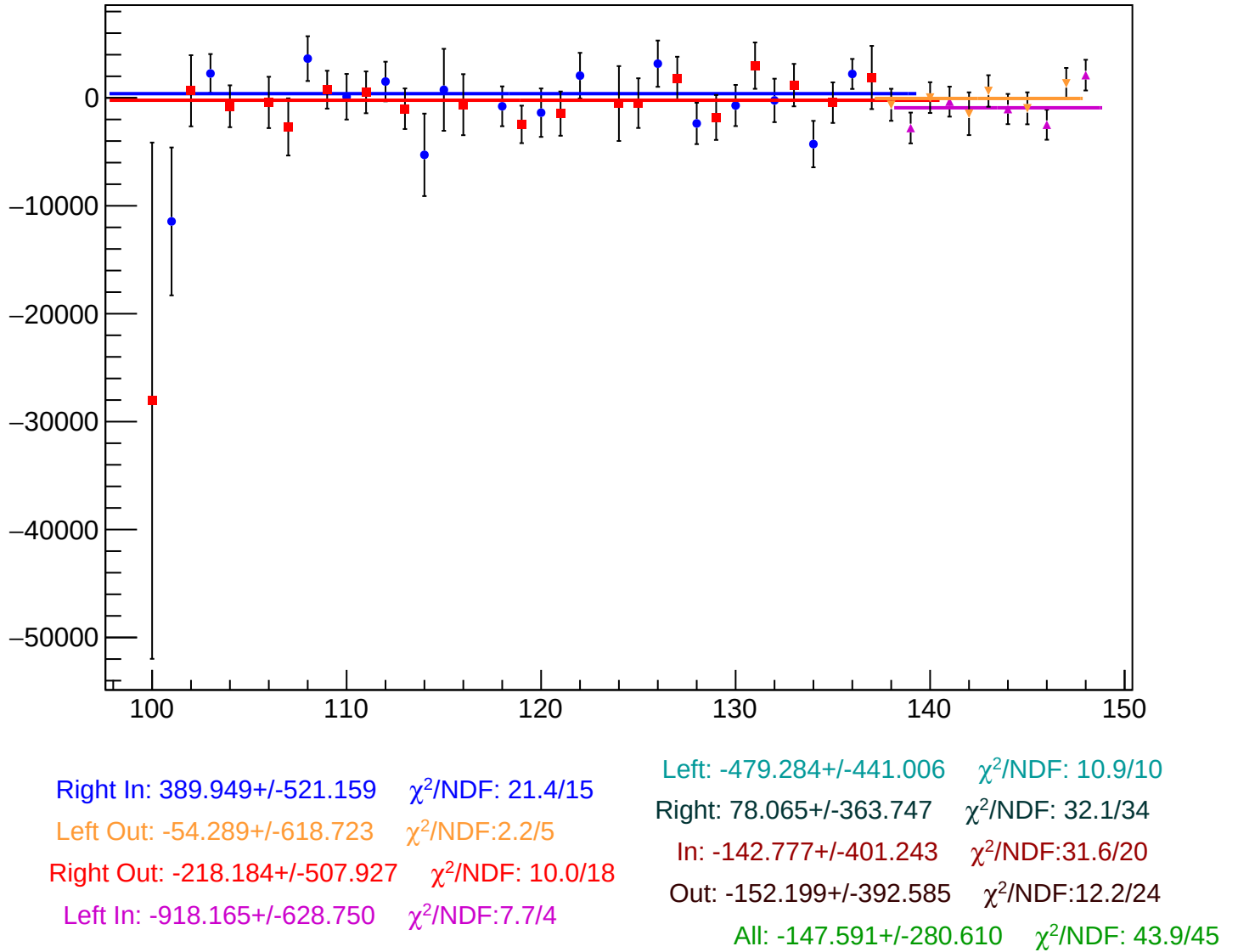
Left: 522.675+/-0.126 χ^2/NDF: 490621.7/10

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

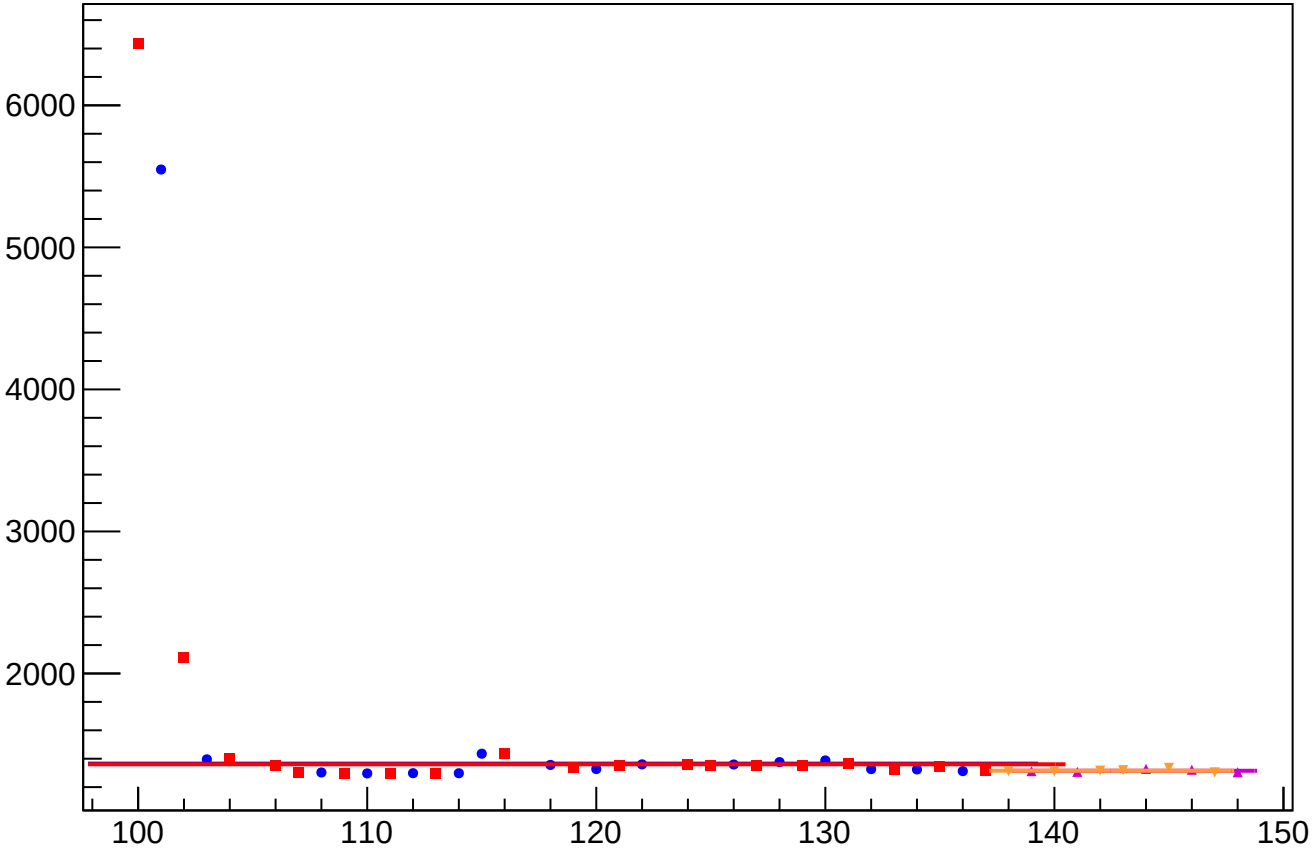
In: 677.860+/-0.149 χ^2/NDF:2382822.8/20

Out: 631.752+/-0.140 χ^2/NDF:3022753.5/24

All: 653.379+/-0.102 χ^2/NDF: 5456333.7/45


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -54.289+/-618.723 χ²/NDF:2.2/5
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -918.165+/-628.750 χ²/NDF:7.7/4
Left: -479.284+/-441.006 χ²/NDF: 10.9/10
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: -142.777+/-401.243 χ²/NDF:31.6/20
Out: -152.199+/-392.585 χ²/NDF:12.2/24
All: -147.591+/-280.610 χ²/NDF: 43.9/45

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.552+/-0.438 χ^2/NDF:557.2/5

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

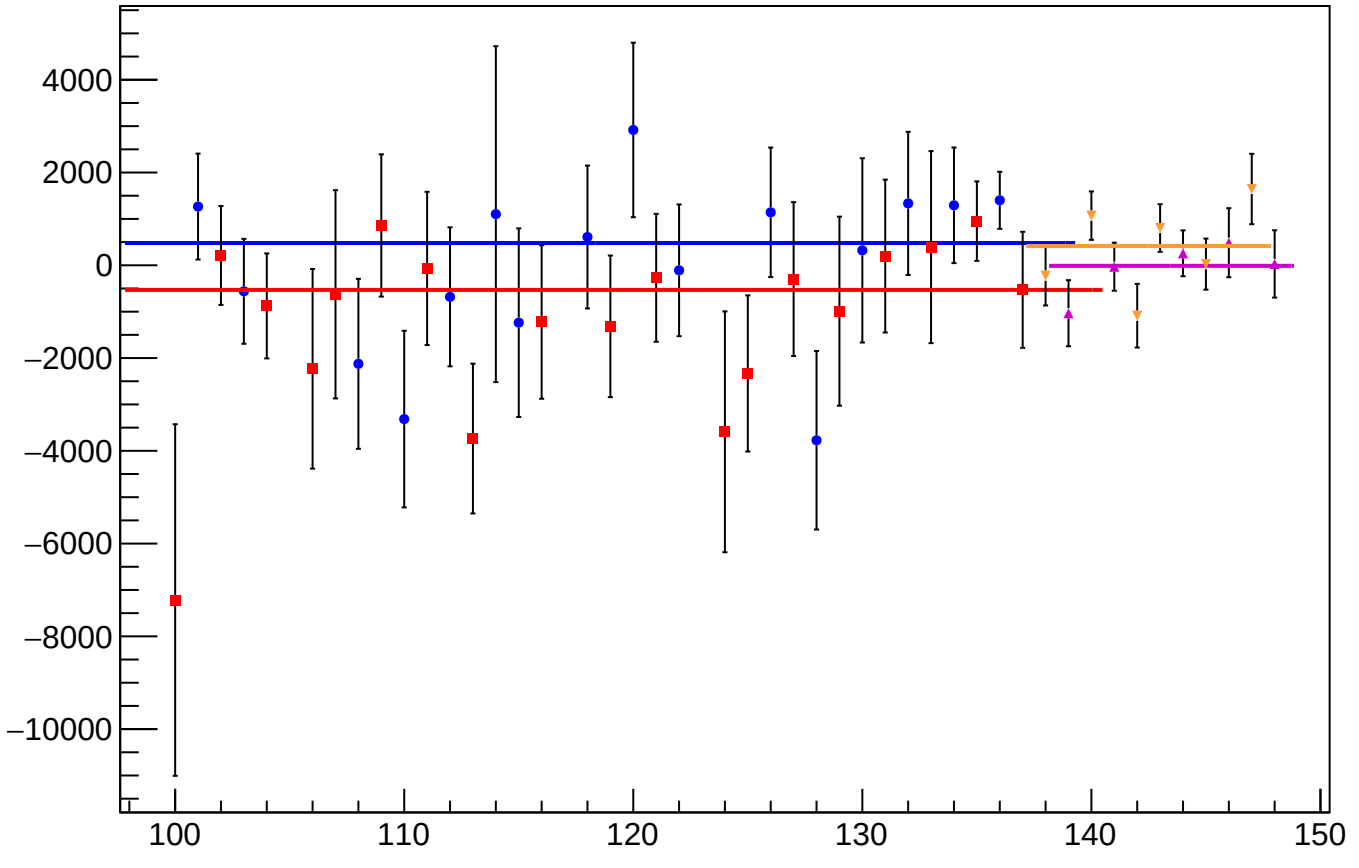
Left: 1315.357+/-0.312 χ^2/NDF: 958.1/10

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1344.880+/-0.284 χ^2/NDF:766886.3/20

Out: 1342.566+/-0.278 χ^2/NDF:212254.1/24

All: 1343.697+/-0.198 χ^2/NDF: 979174.4/45



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 415.041+/-242.257 χ^2/NDF:11.1/5

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -11.626+/-272.354 χ^2/NDF:2.8/4

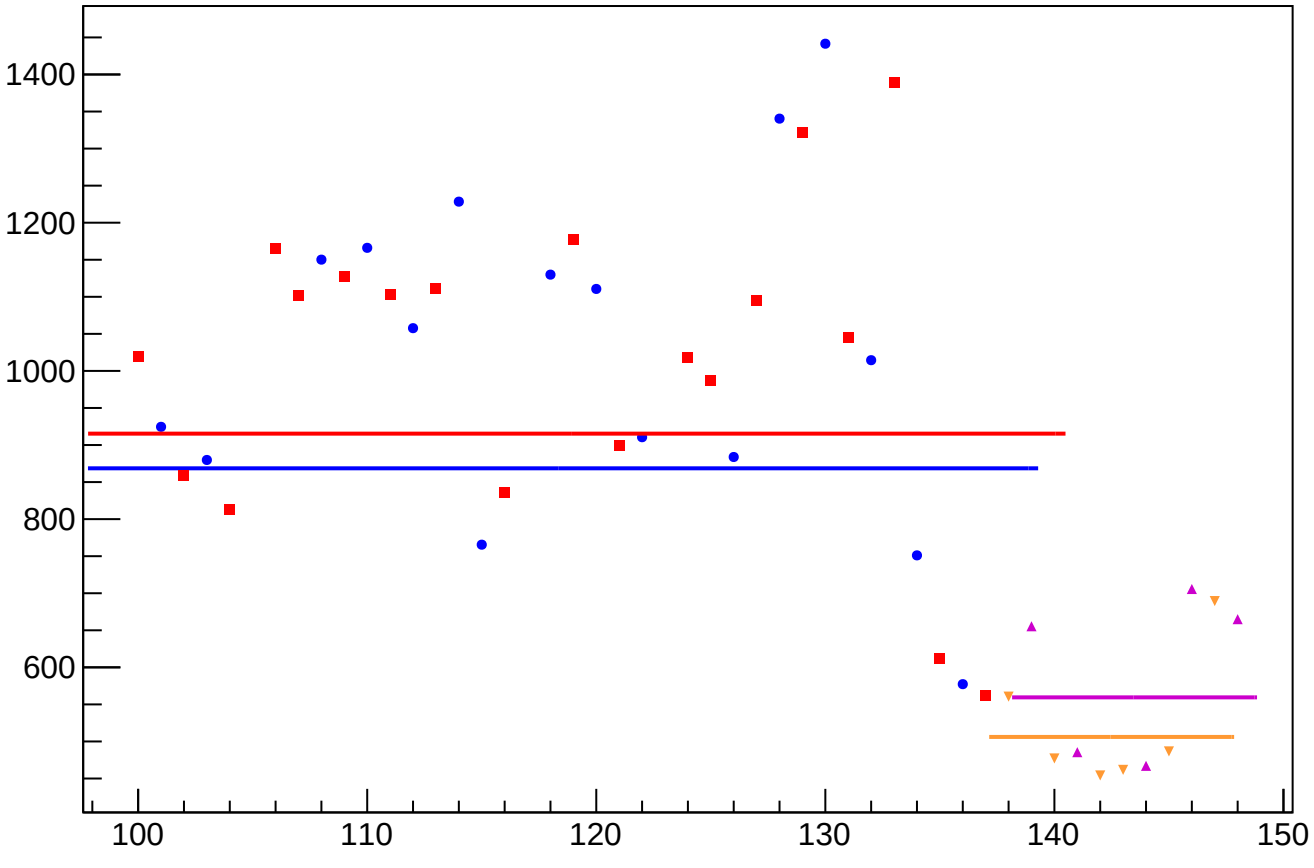
Left: 226.576+/-181.011 χ^2/NDF: 15.2/10

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 183.105+/-211.706 χ^2/NDF:22.7/20

Out: 104.109+/-198.469 χ^2/NDF:31.7/24

All: 141.060+/-144.792 χ^2/NDF: 54.5/45



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 506.106+/-0.171 χ^2/NDF:166184.2/5

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 559.497+/-0.193 χ^2/NDF:266189.2/4

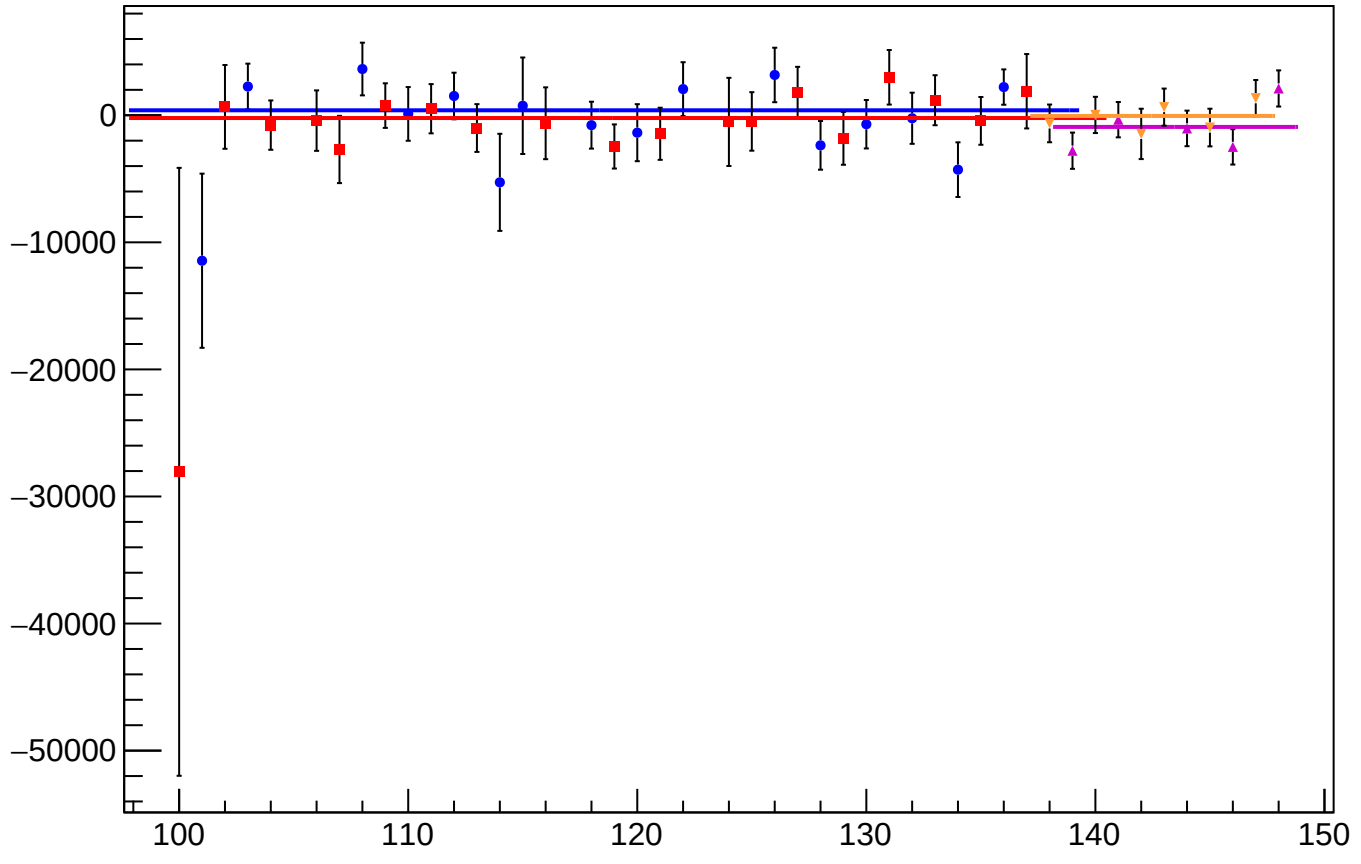
Left: 529.689+/-0.128 χ^2/NDF: 475282.3/10

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 681.820+/-0.150 χ^2/NDF:2306909.6/20

Out: 640.680+/-0.140 χ^2/NDF:2901959.3/24

All: 659.924+/-0.102 χ^2/NDF: 5249065.2/45



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -54.289+/-618.723 χ^2/NDF:2.2/5

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -918.166+/-628.750 χ^2/NDF:7.7/4

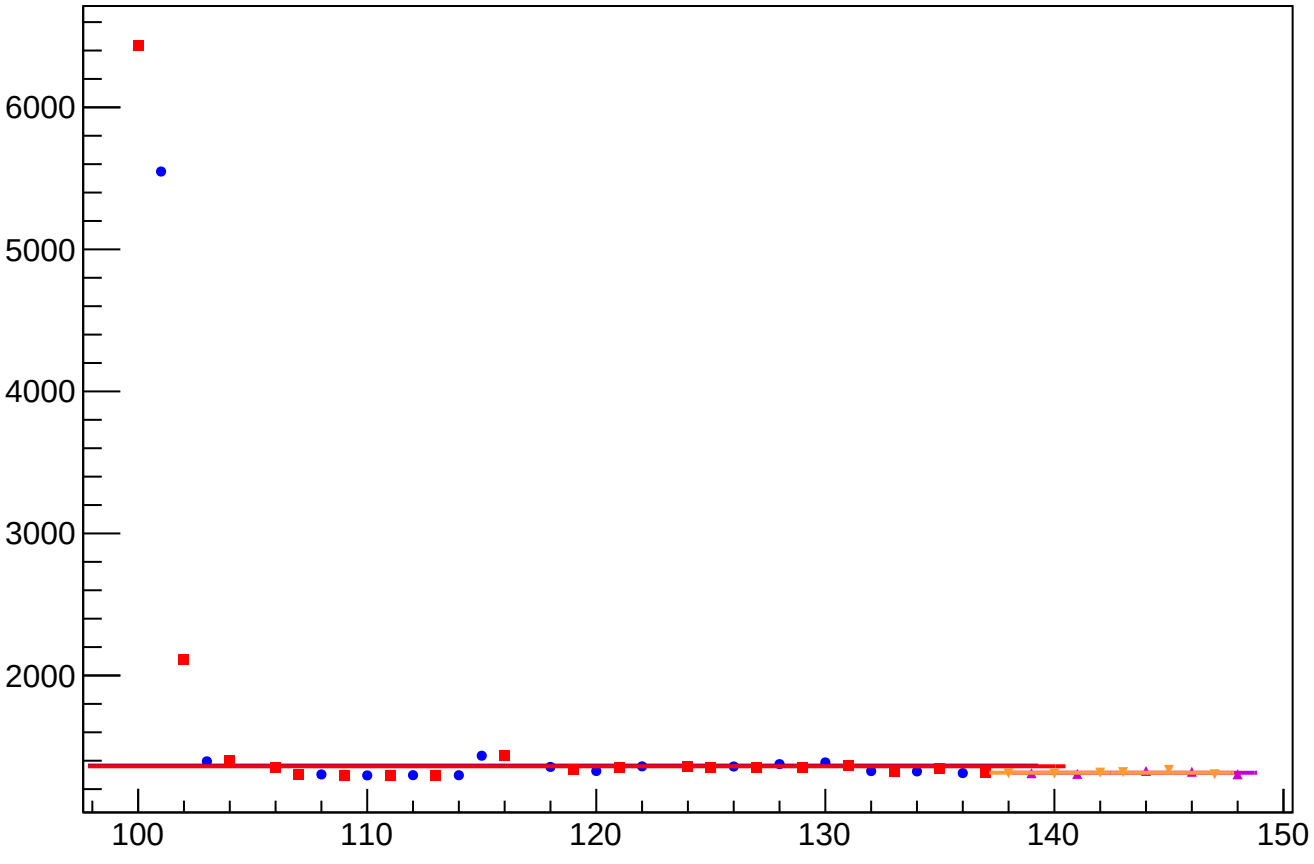
Left: -479.284+/-441.006 χ^2/NDF: 10.9/10

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -142.777+/-401.243 χ^2/NDF:31.6/20

Out: -152.198+/-392.585 χ^2/NDF:12.2/24

All: -147.590+/-280.610 χ^2/NDF: 43.9/45



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.552+/-0.438 χ^2/NDF:557.2/5

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

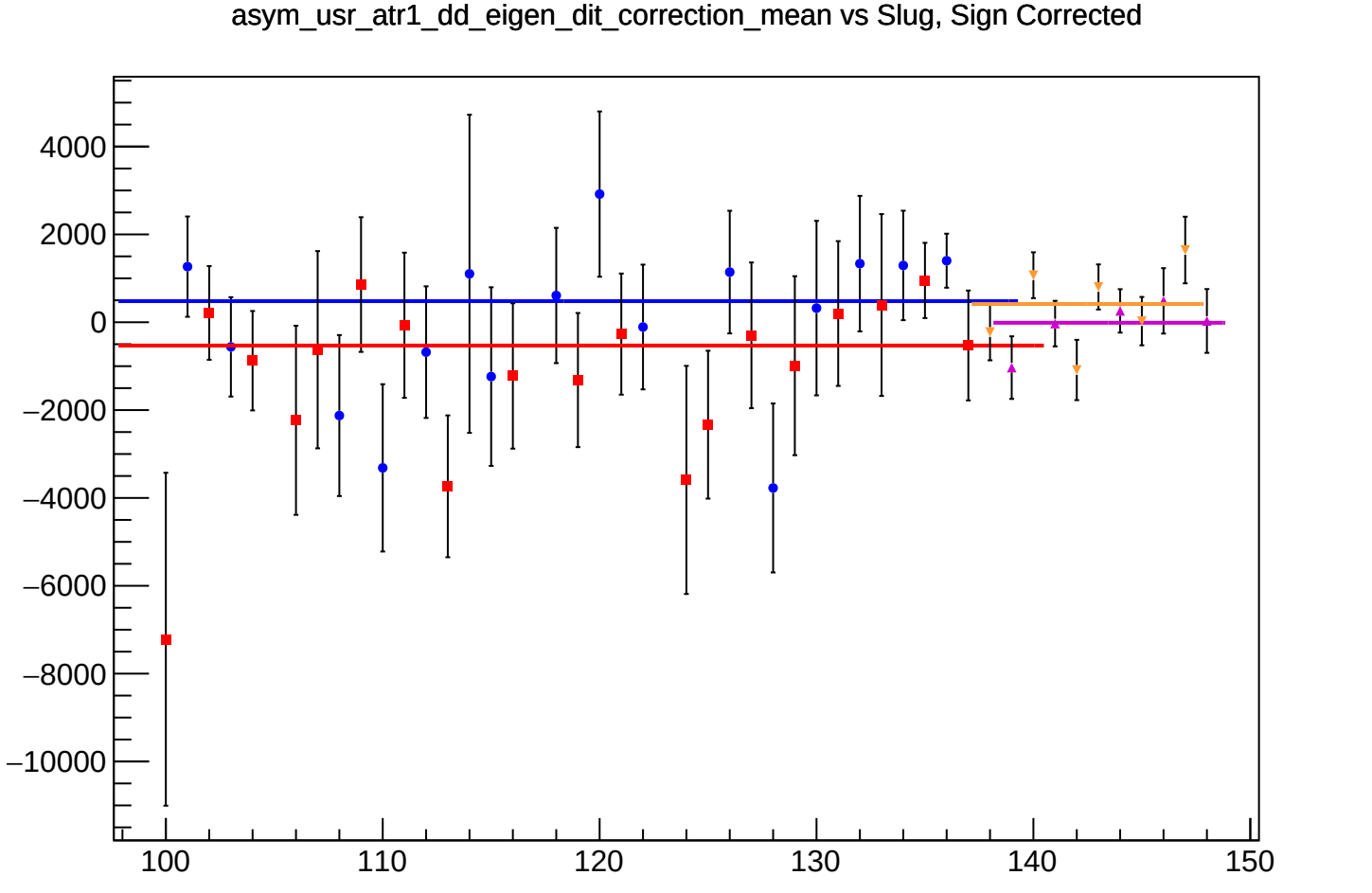
Left: 1315.357+/-0.312 χ^2/NDF: 958.1/10

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

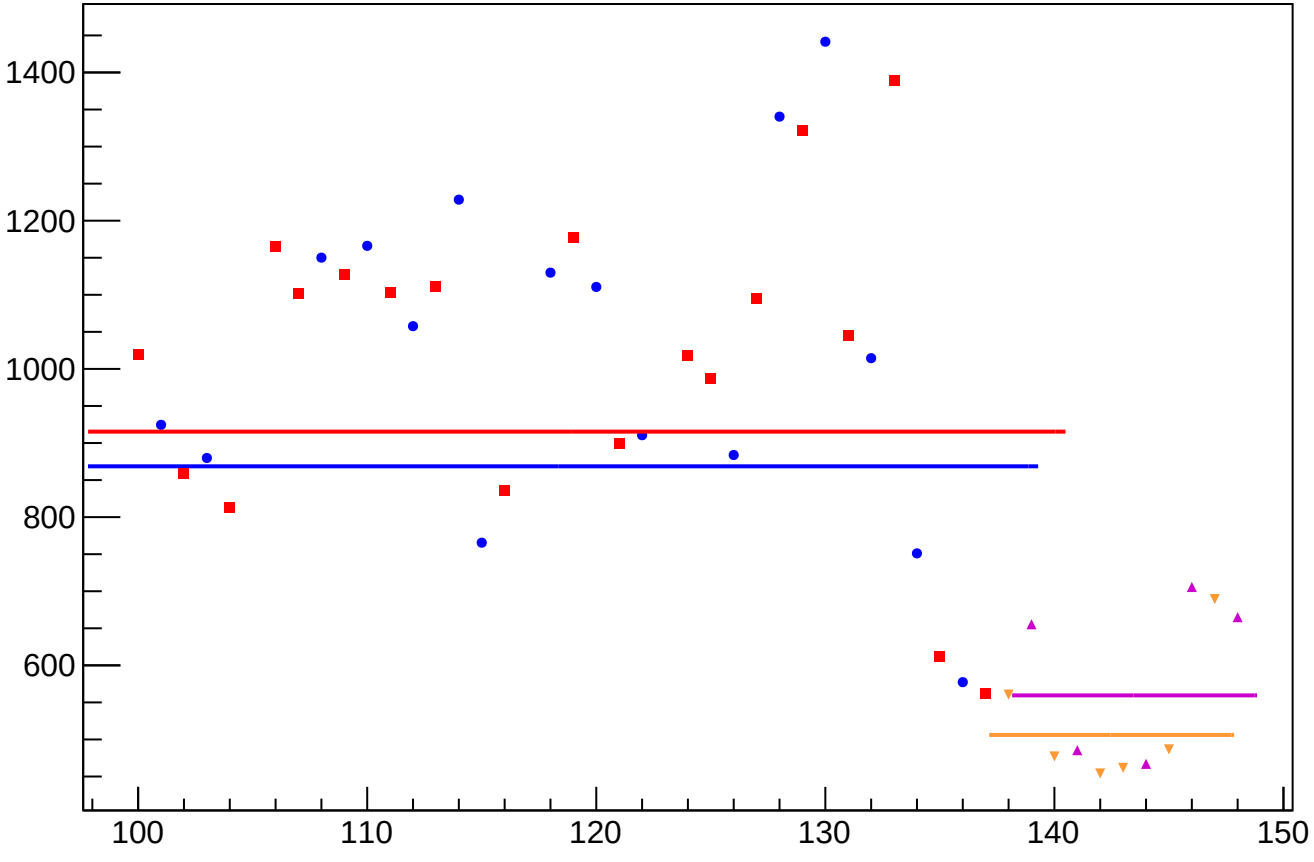
In: 1344.880+/-0.284 χ^2/NDF:766886.3/20

Out: 1342.566+/-0.278 χ^2/NDF:212254.1/24

All: 1343.697+/-0.198 χ^2/NDF: 979174.4/45


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 415.043+/-242.256 χ²/NDF:11.1/5
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -11.626+/-272.354 χ²/NDF:2.8/4
Left: 226.578+/-181.011 χ²/NDF: 15.2/10
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 183.105+/-211.706 χ²/NDF:22.7/20
Out: 104.111+/-198.469 χ²/NDF:31.7/24
All: 141.061+/-144.792 χ²/NDF: 54.5/45

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 506.106+/-0.171 χ^2/NDF:166185.7/5

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 559.497+/-0.193 χ^2/NDF:266190.5/4

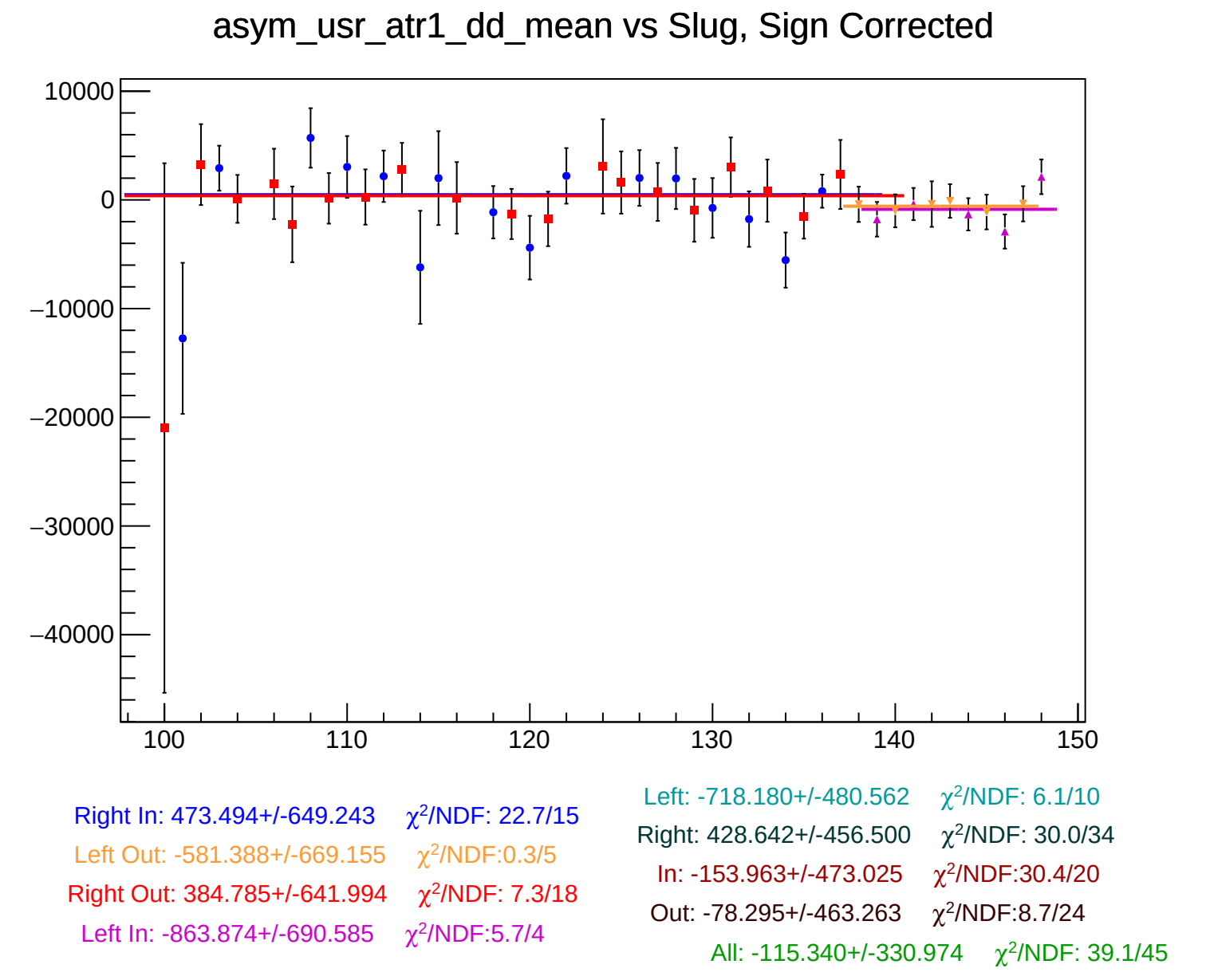
Left: 529.689+/-0.128 χ^2/NDF: 475286.5/10

Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

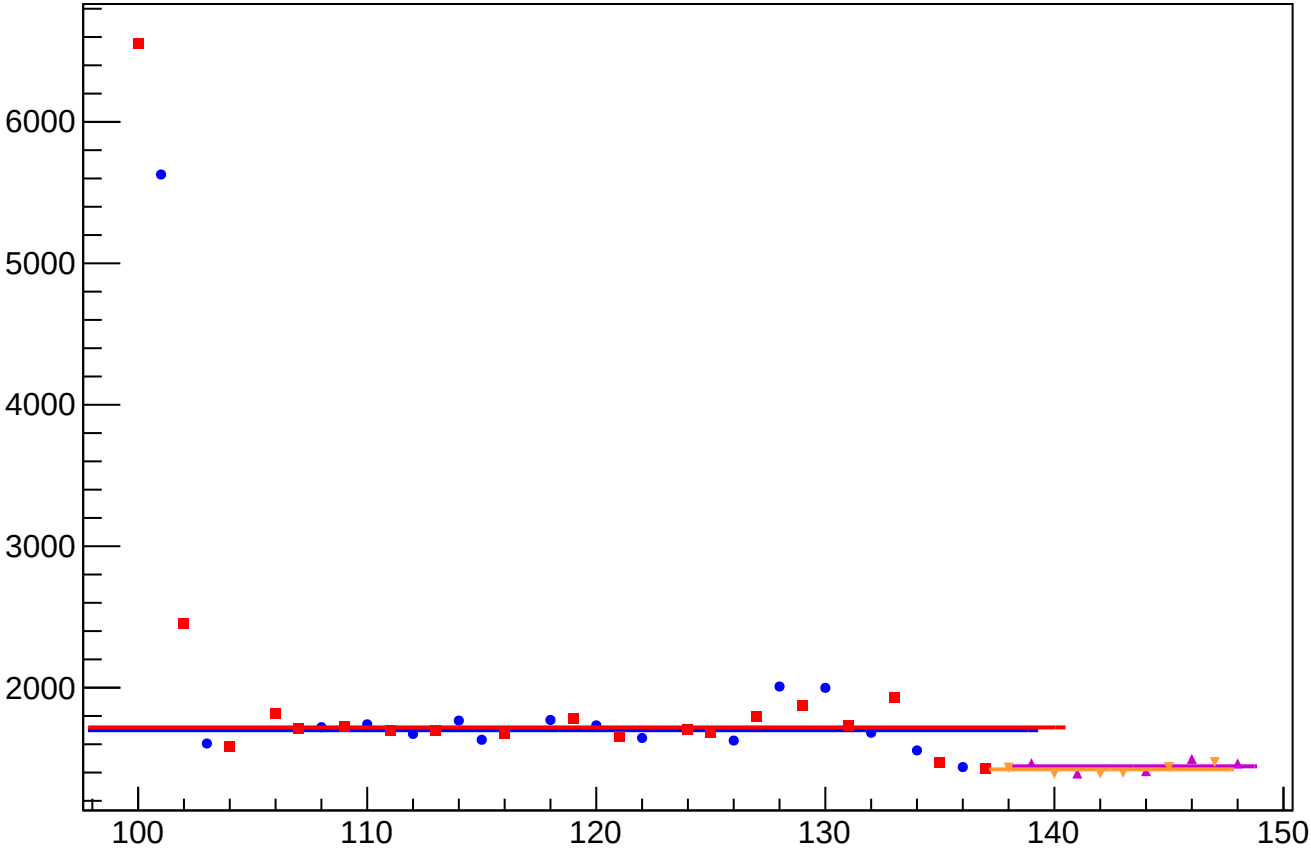
In: 681.820+/-0.150 χ^2/NDF:2306893.5/20

Out: 640.680+/-0.140 χ^2/NDF:2901954.2/24

All: 659.923+/-0.102 χ^2/NDF: 5249045.2/45


asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 473.494+/-649.243 χ²/NDF: 22.7/15
Left Out: -581.388+/-669.155 χ²/NDF:0.3/5
Right Out: 384.785+/-641.994 χ²/NDF: 7.3/18
Left In: -863.874+/-690.585 χ²/NDF:5.7/4
Left: -718.180+/-480.562 χ²/NDF: 6.1/10
Right: 428.642+/-456.500 χ²/NDF: 30.0/34
In: -153.963+/-473.025 χ²/NDF:30.4/20
Out: -78.295+/-463.263 χ²/NDF:8.7/24
All: -115.340+/-330.974 χ²/NDF: 39.1/45

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1422.314+/-0.473 χ^2/NDF:3994.8/5

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1443.921+/-0.488 χ^2/NDF:6289.3/4

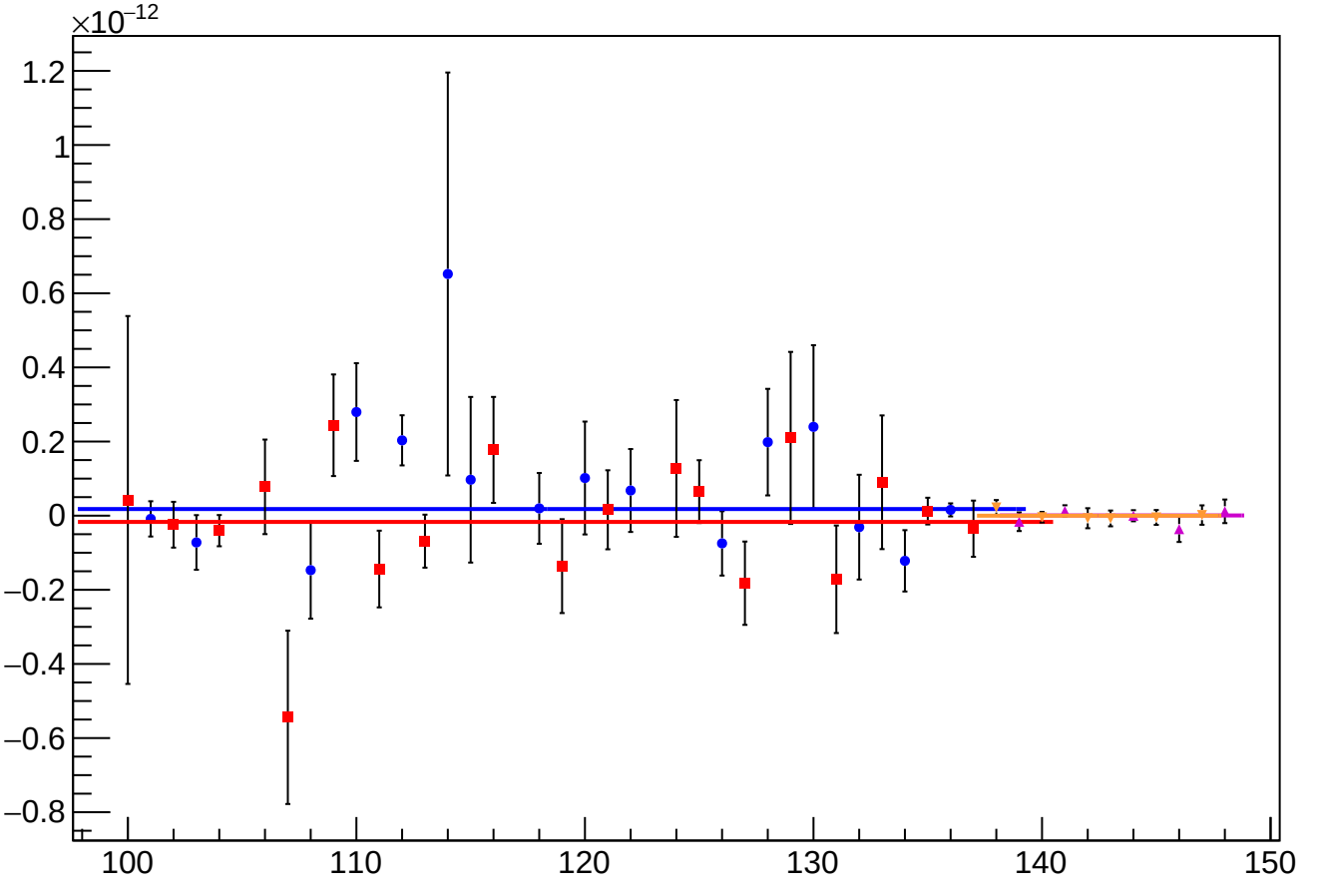
Left: 1432.777+/-0.340 χ^2/NDF: 11294.0/10

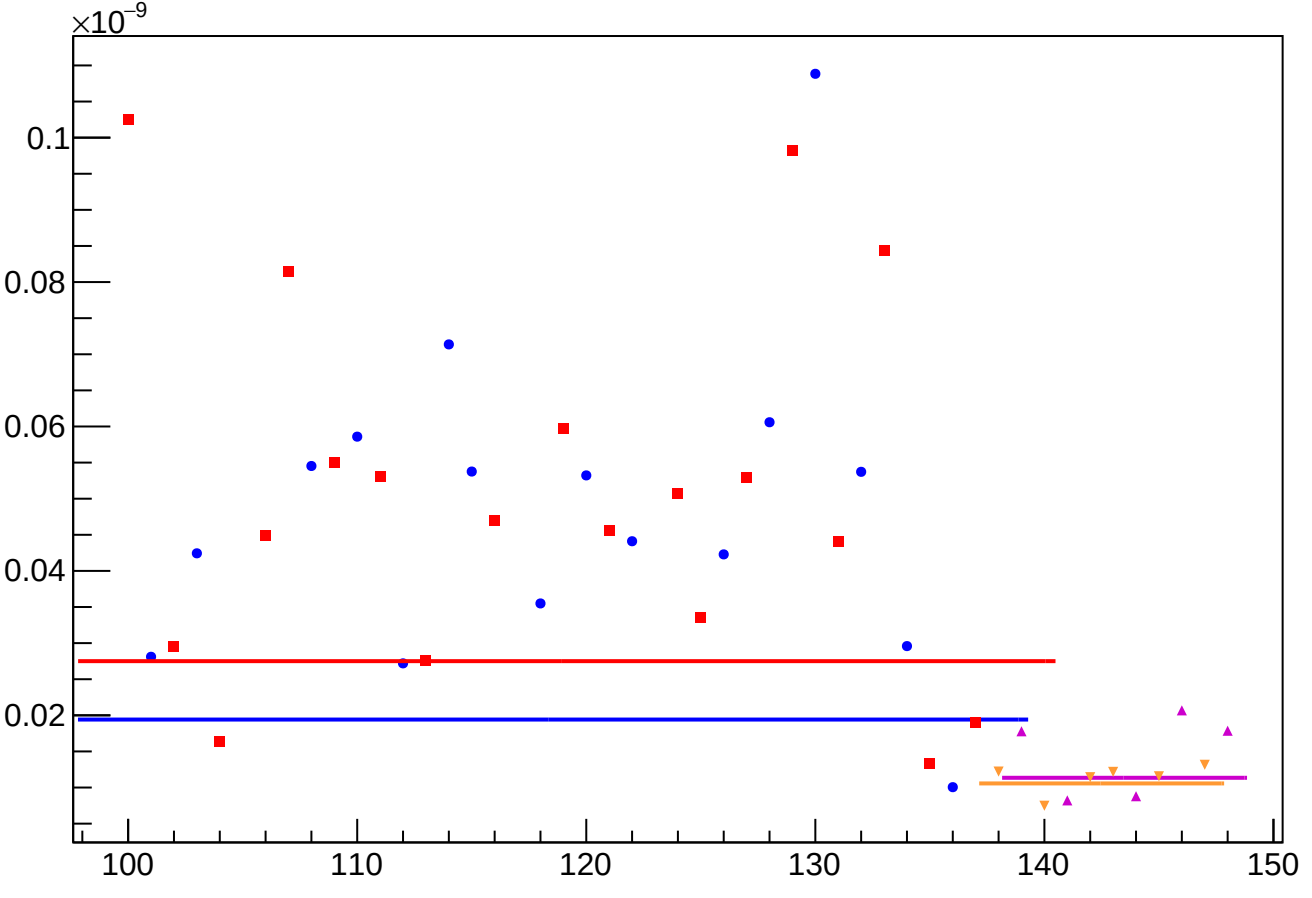
Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1579.499+/-0.334 χ^2/NDF:913604.3/20

Out: 1576.854+/-0.328 χ^2/NDF:442610.1/24

All: 1578.149+/-0.234 χ^2/NDF: 1356246.3/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:1.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/18
Left In: 0.000+/-0.000 χ²/NDF:2.3/4
Left: 0.000+/-0.000 χ²/NDF: 3.8/10
Right: 0.000+/-0.000 χ²/NDF: 47.0/34
In: 0.000+/-0.000 χ²/NDF:26.9/20
Out: -0.000+/-0.000 χ²/NDF:23.5/24
All: 0.000+/-0.000 χ²/NDF: 51.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:143671.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:499666.6/4

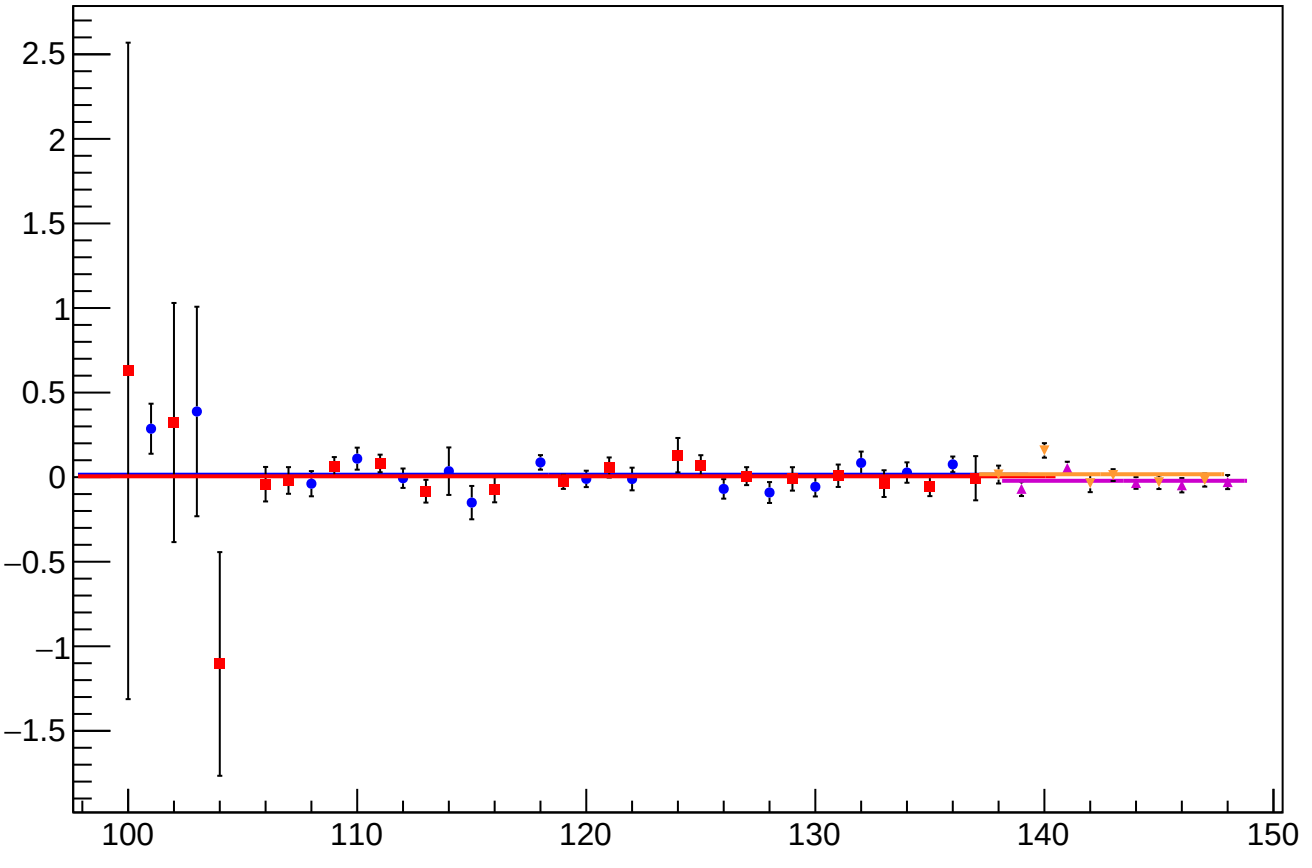
Left: 0.000+/-0.000 χ^2/NDF: 651464.4/10

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3223144.3/20

Out: 0.000+/-0.000 χ^2/NDF:3120301.8/24

All: 0.000+/-0.000 χ^2/NDF: 6347095.6/45



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.022+/-0.018 χ^2/NDF:5.9/4

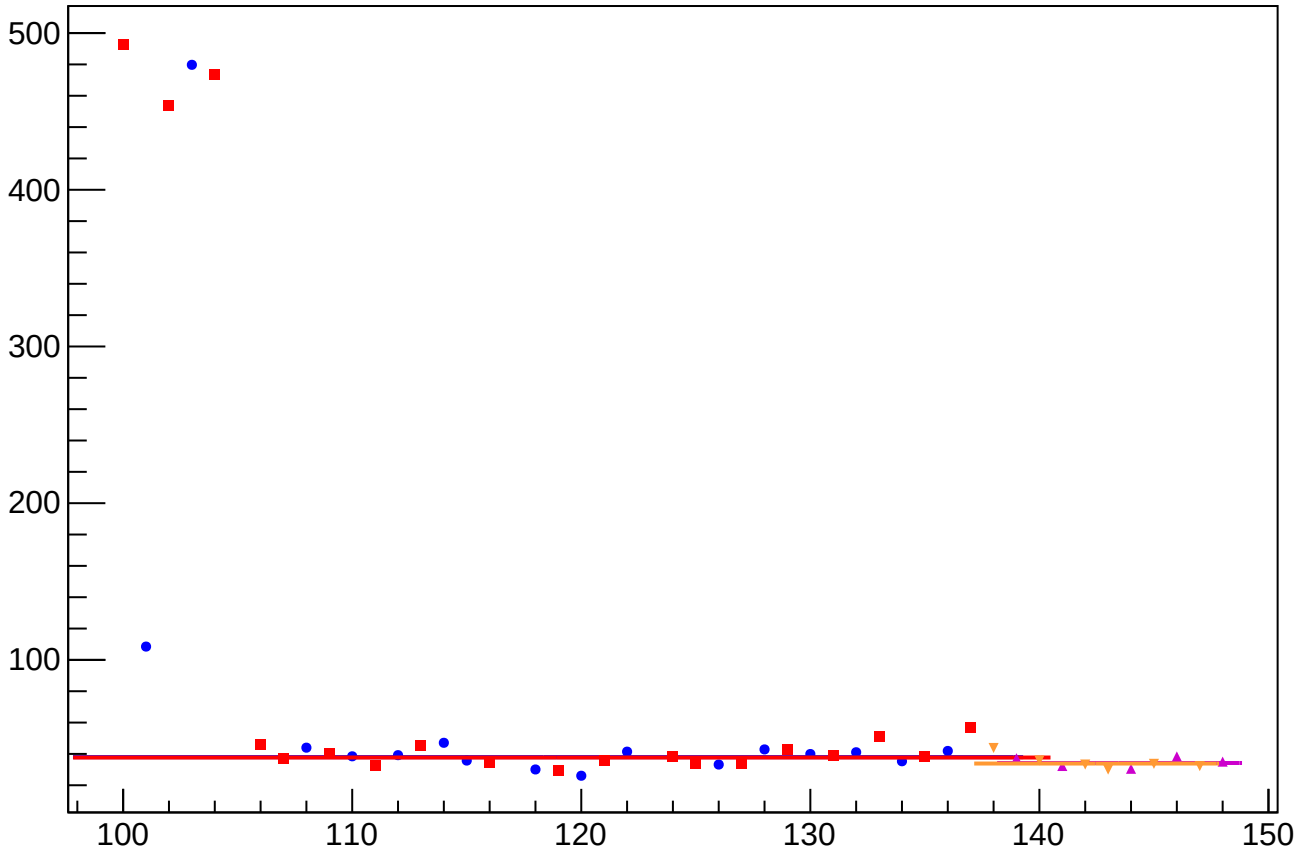
Left: -0.002+/-0.012 χ^2/NDF: 22.4/10

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.004+/-0.008 χ^2/NDF: 59.9/45



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 33.860+/-0.012 χ^2/NDF:103093.5/5

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

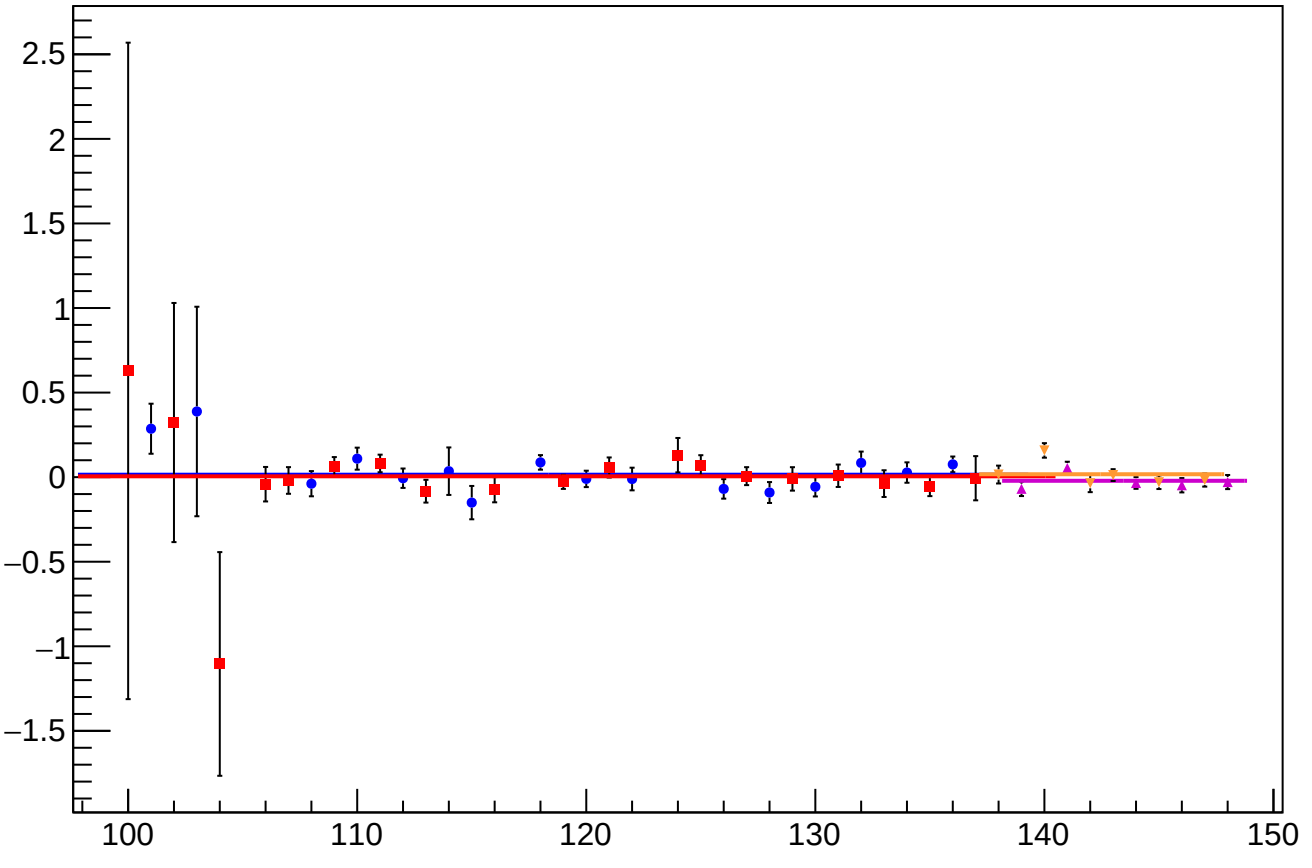
Left: 34.030+/-0.009 χ^2/NDF: 161749.0/10

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.258+/-0.008 χ^2/NDF:1847486.7/20

Out: 35.915+/-0.008 χ^2/NDF:2101021.0/24

All: 36.086+/-0.006 χ^2/NDF: 3949356.9/45



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.022+/-0.018 χ^2/NDF:5.9/4

Left: -0.002+/-0.012 χ^2/NDF: 22.4/10

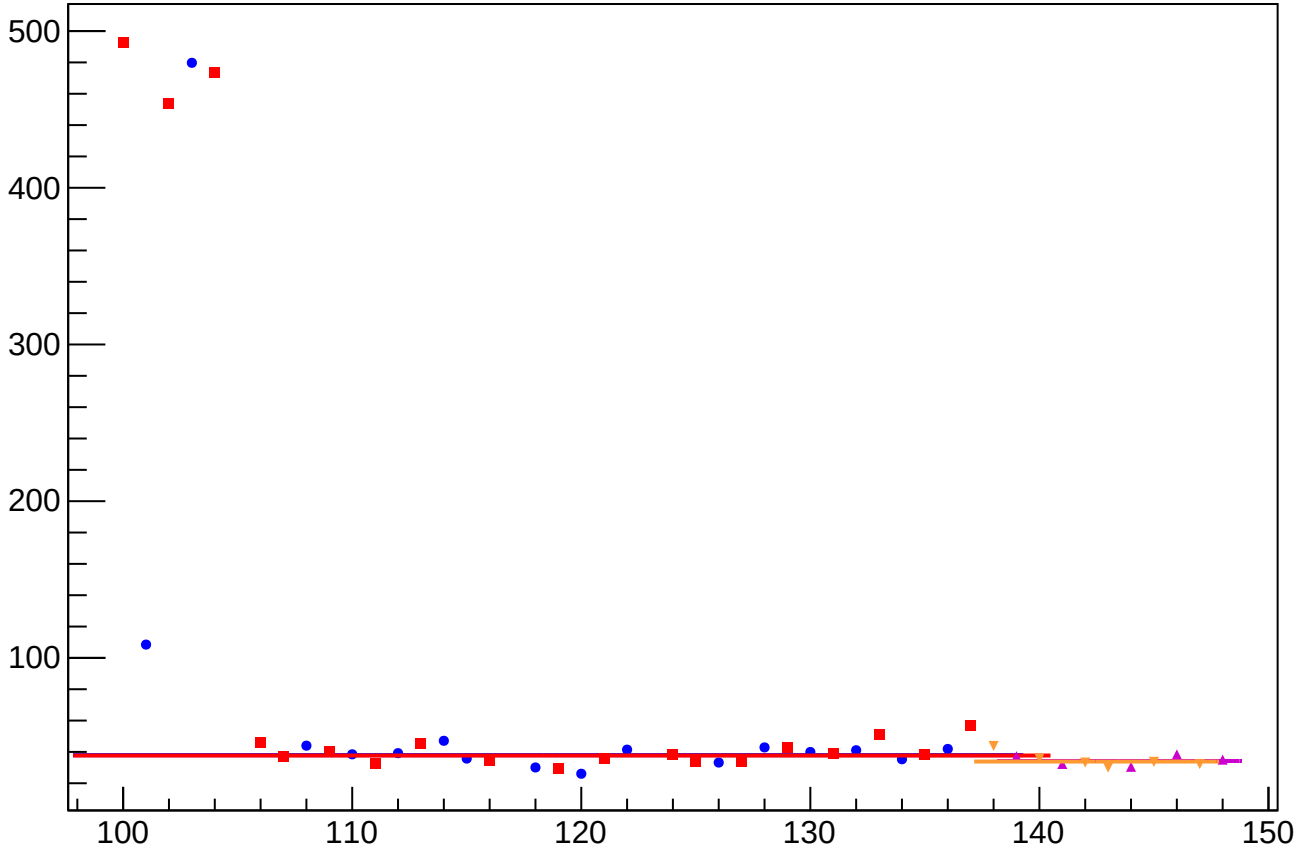
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.004+/-0.008 χ^2/NDF: 59.9/45

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: 33.860+/-0.012 χ^2/NDF:103093.5/5

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

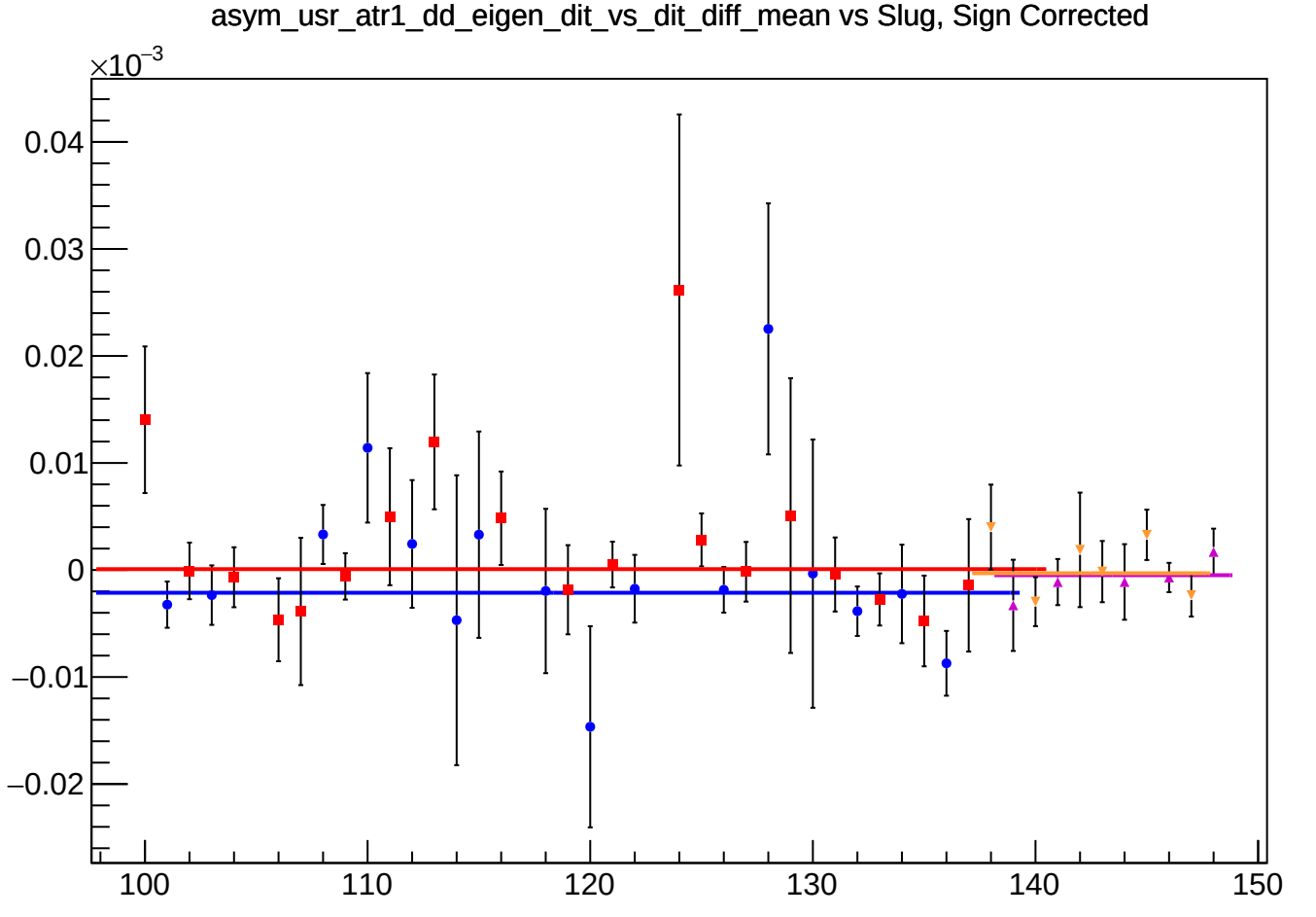
Left: 34.030+/-0.009 χ^2/NDF: 161749.0/10

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.258+/-0.008 χ^2/NDF:1847486.7/20

Out: 35.915+/-0.008 χ^2/NDF:2101021.0/24

All: 36.086+/-0.006 χ^2/NDF: 3949356.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

Left: -0.000+/-0.000 χ^2/NDF: 7.7/10

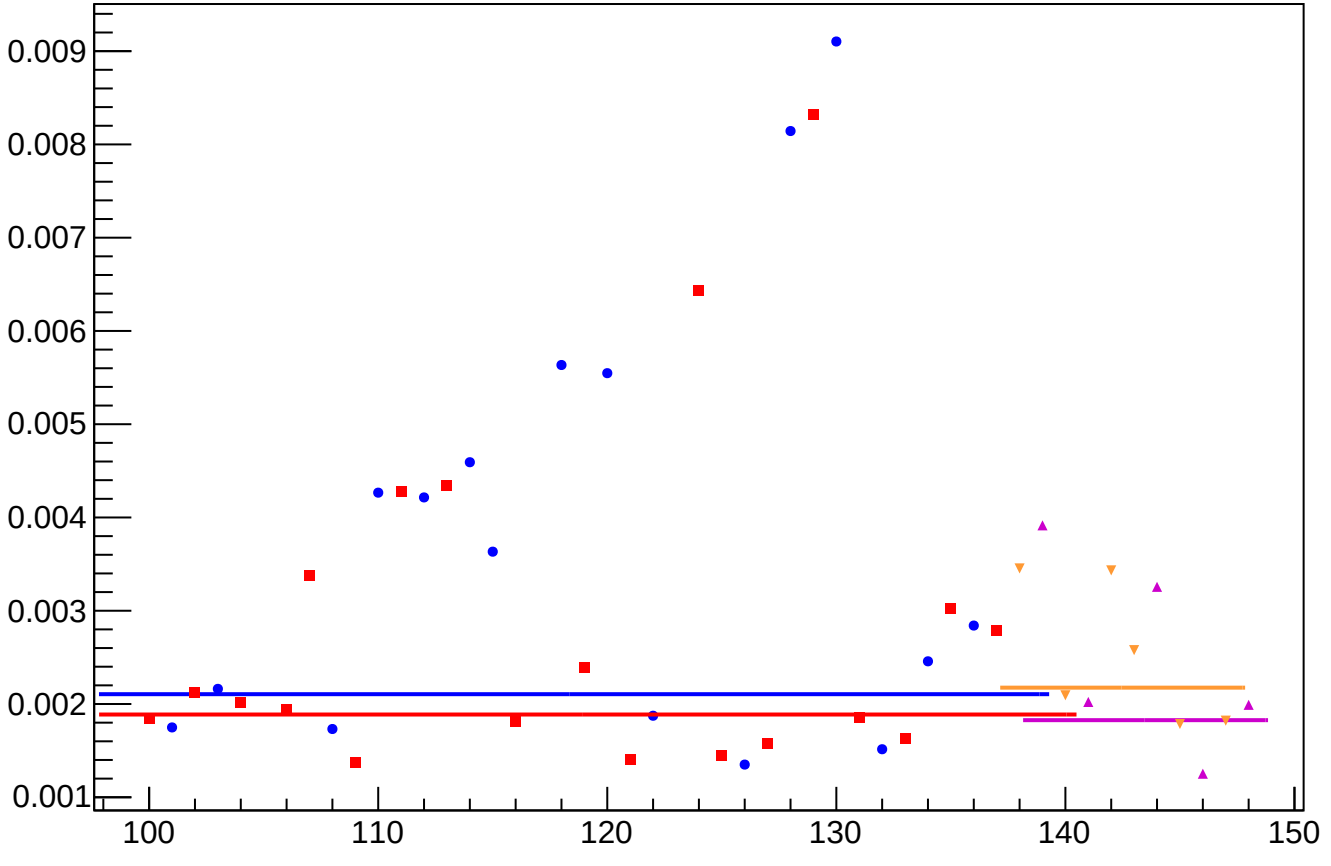
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:23.6/20

Out: -0.000+/-0.000 χ^2/NDF:24.5/24

All: -0.000+/-0.000 χ^2/NDF: 50.1/45

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:477371.6/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1188268.0/4

Left: 0.002+/-0.000 χ^2/NDF: 1781334.8/10

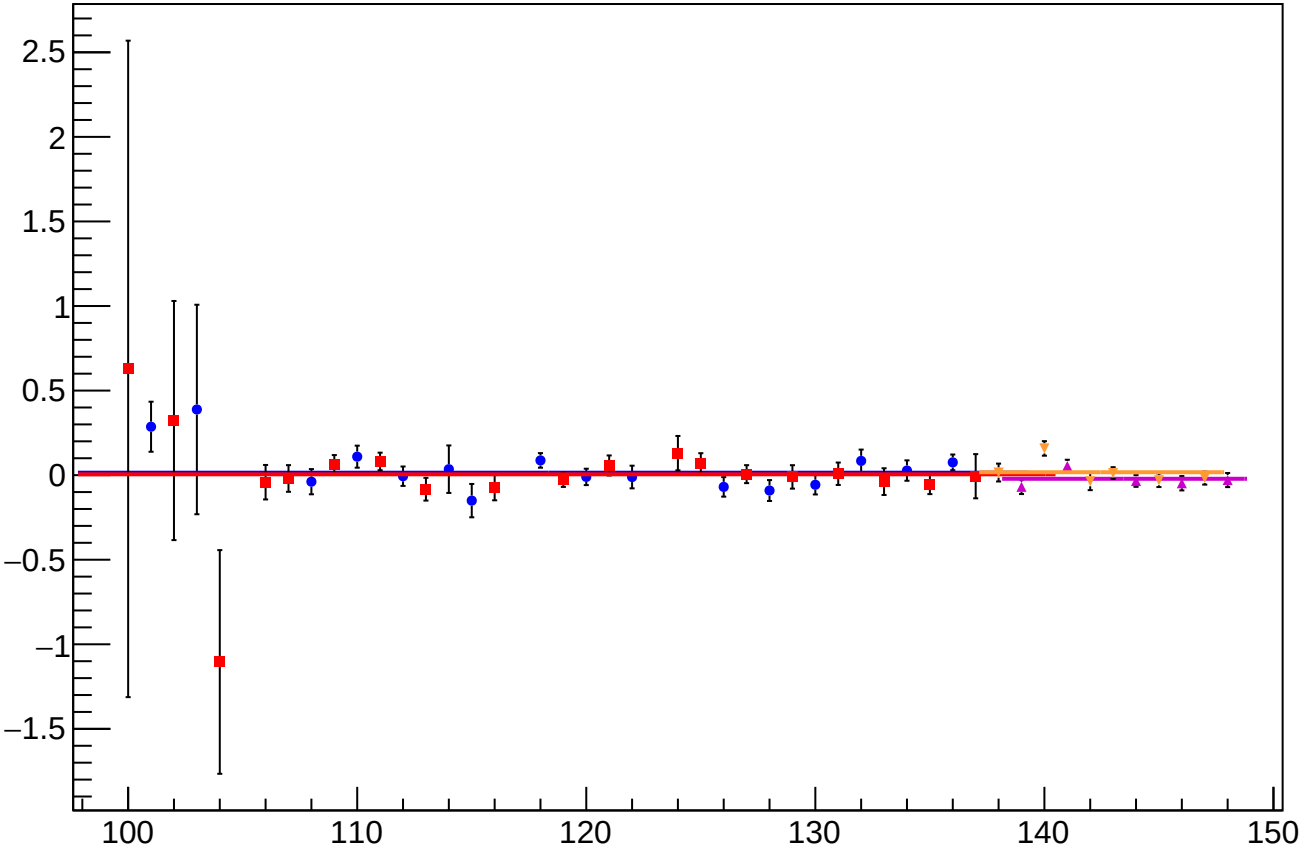
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4296285.5/20

Out: 0.002+/-0.000 χ^2/NDF:2461056.7/24

All: 0.002+/-0.000 χ^2/NDF: 6757650.7/45

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.022+/-0.018 χ^2/NDF:5.9/4

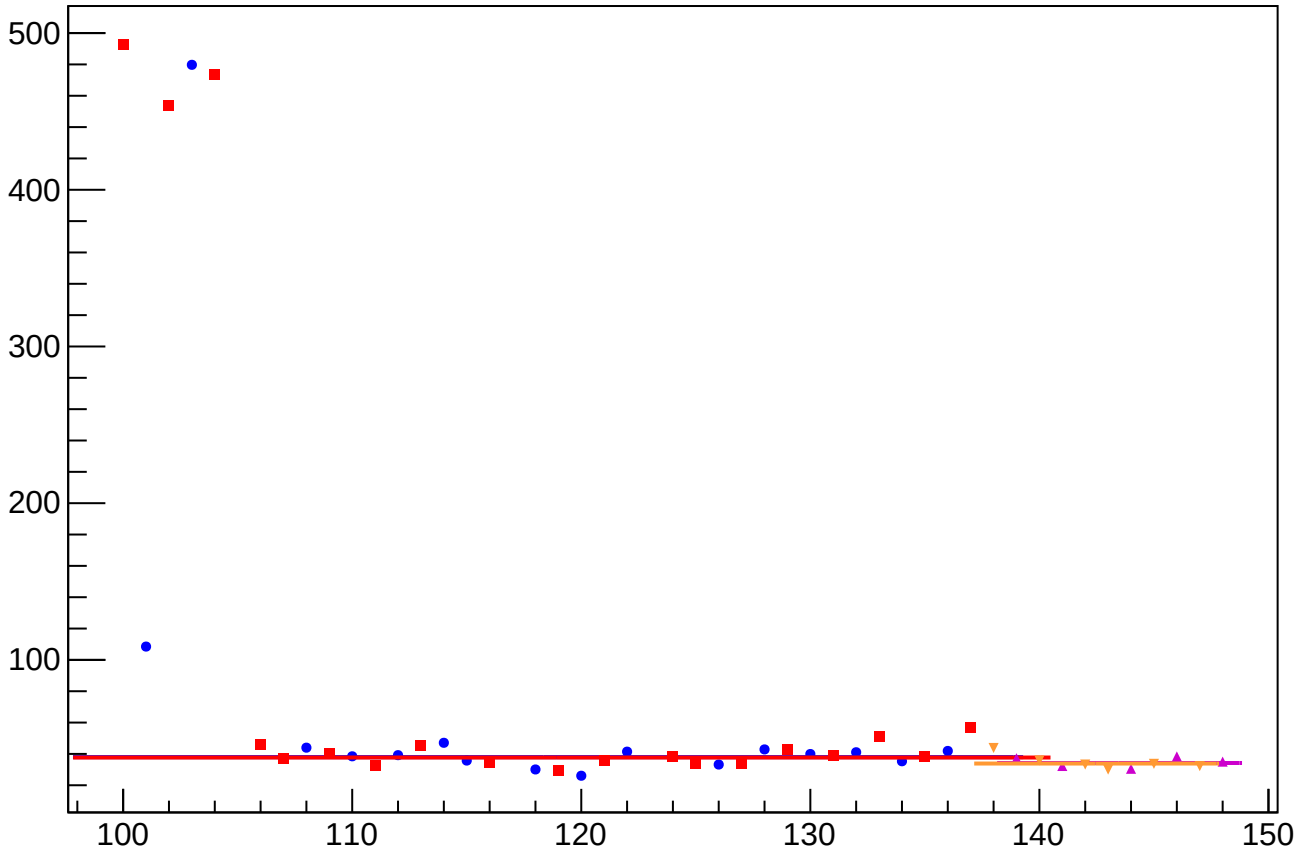
Left: -0.002+/-0.012 χ^2/NDF: 22.4/10

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.004+/-0.008 χ^2/NDF: 59.9/45



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 33.860+/-0.012 χ^2/NDF:103123.0/5

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

Left: 34.030+/-0.009 χ^2/NDF: 161780.3/10

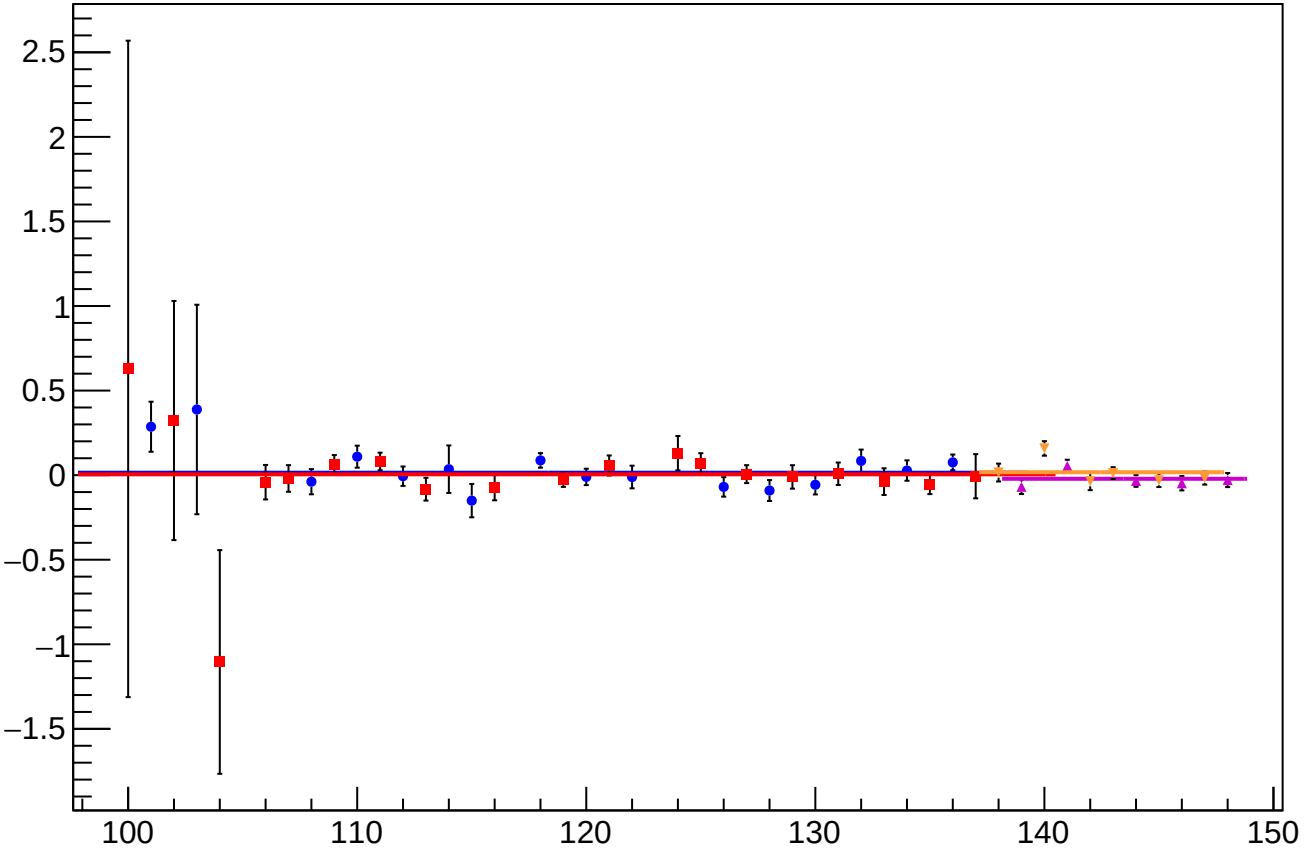
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.258+/-0.008 χ^2/NDF:1847501.3/20

Out: 35.914+/-0.008 χ^2/NDF:2101104.3/24

All: 36.085+/-0.006 χ^2/NDF: 3949456.1/45

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: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.022+/-0.018 χ^2/NDF:5.9/4

Left: -0.002+/-0.012 χ^2/NDF: 22.4/10

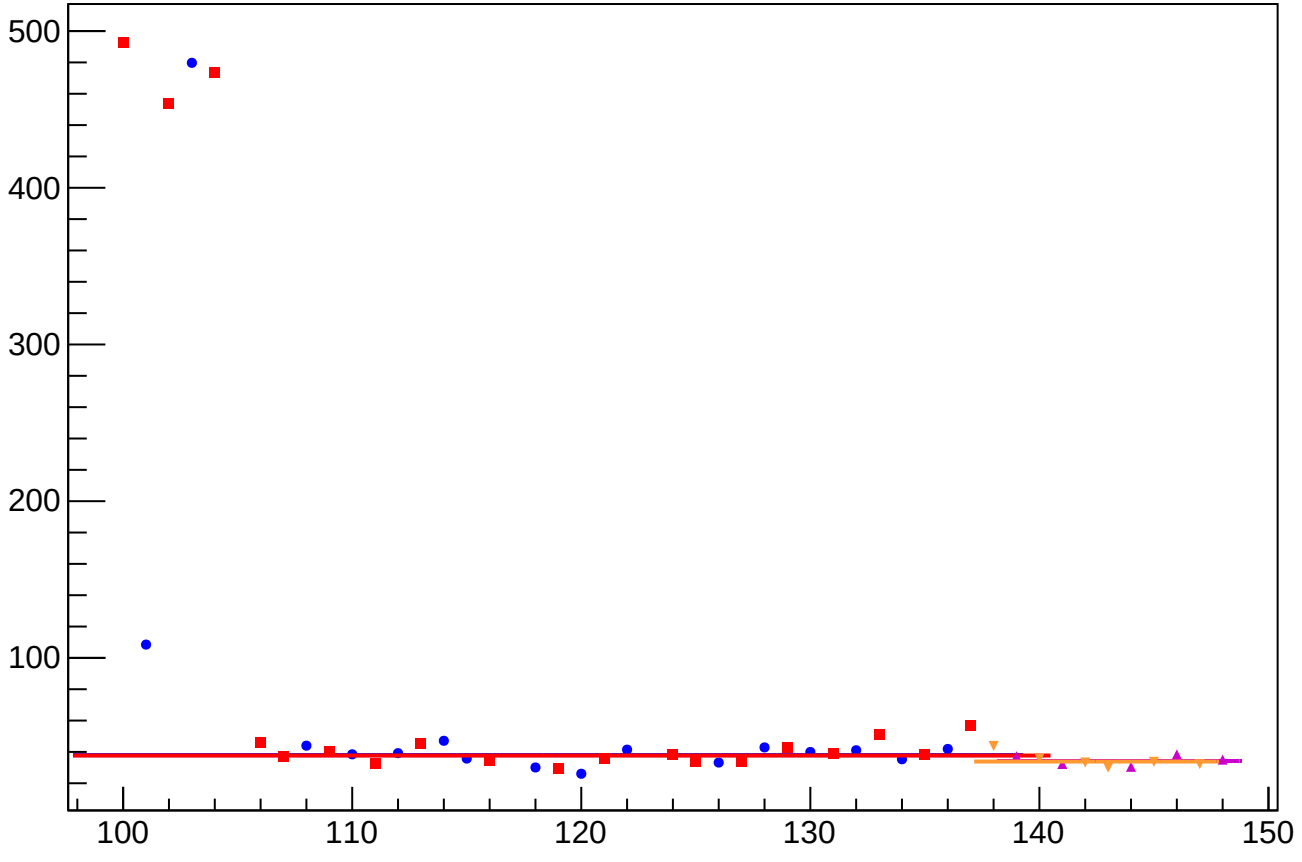
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.004+/-0.008 χ^2/NDF: 59.9/45

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: 33.860+/-0.012 χ^2/NDF:103123.0/5

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

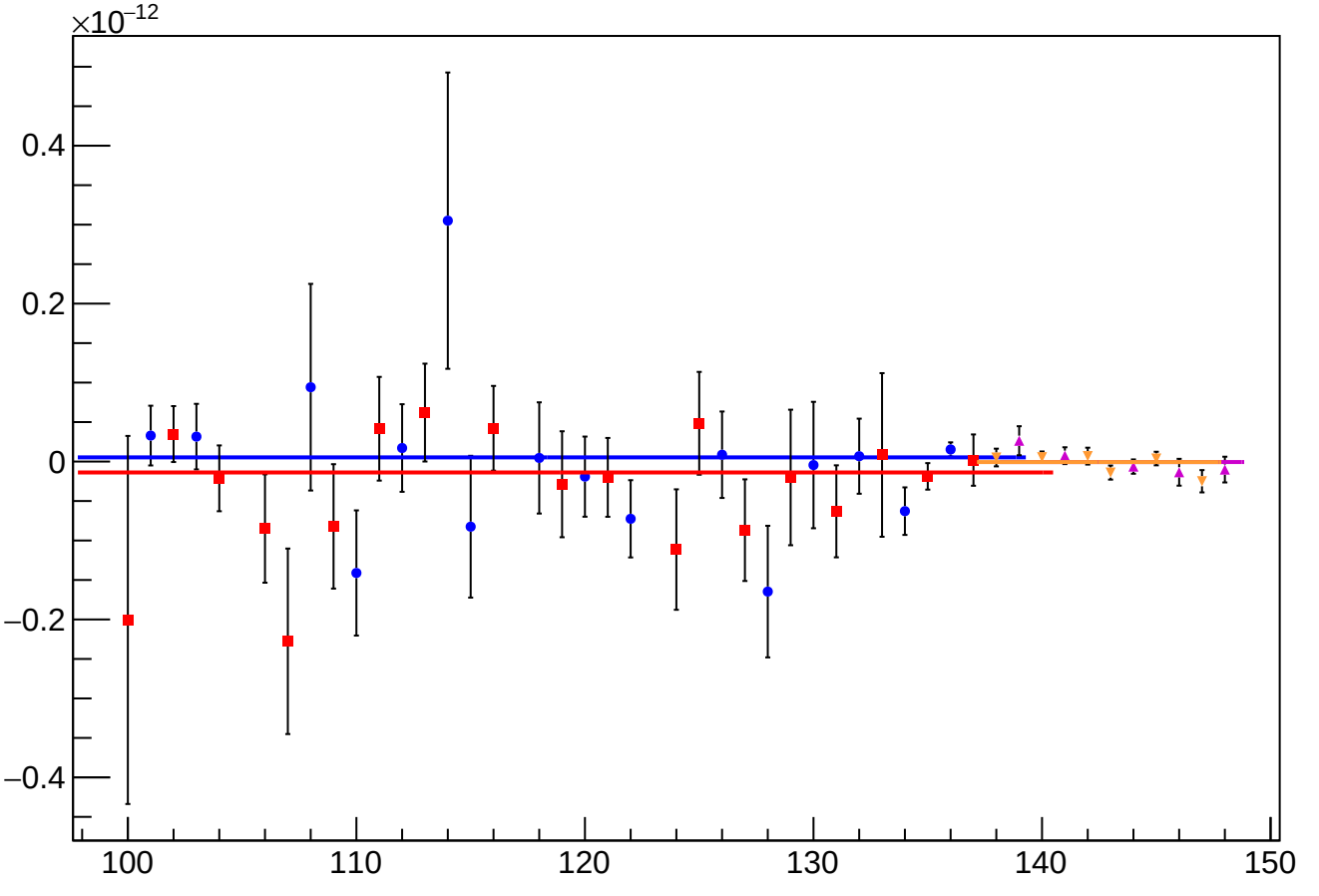
Left: 34.030+/-0.009 χ^2/NDF: 161780.3/10

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.258+/-0.008 χ^2/NDF:1847501.3/20

Out: 35.914+/-0.008 χ^2/NDF:2101104.3/24

All: 36.085+/-0.006 χ^2/NDF: 3949456.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/4

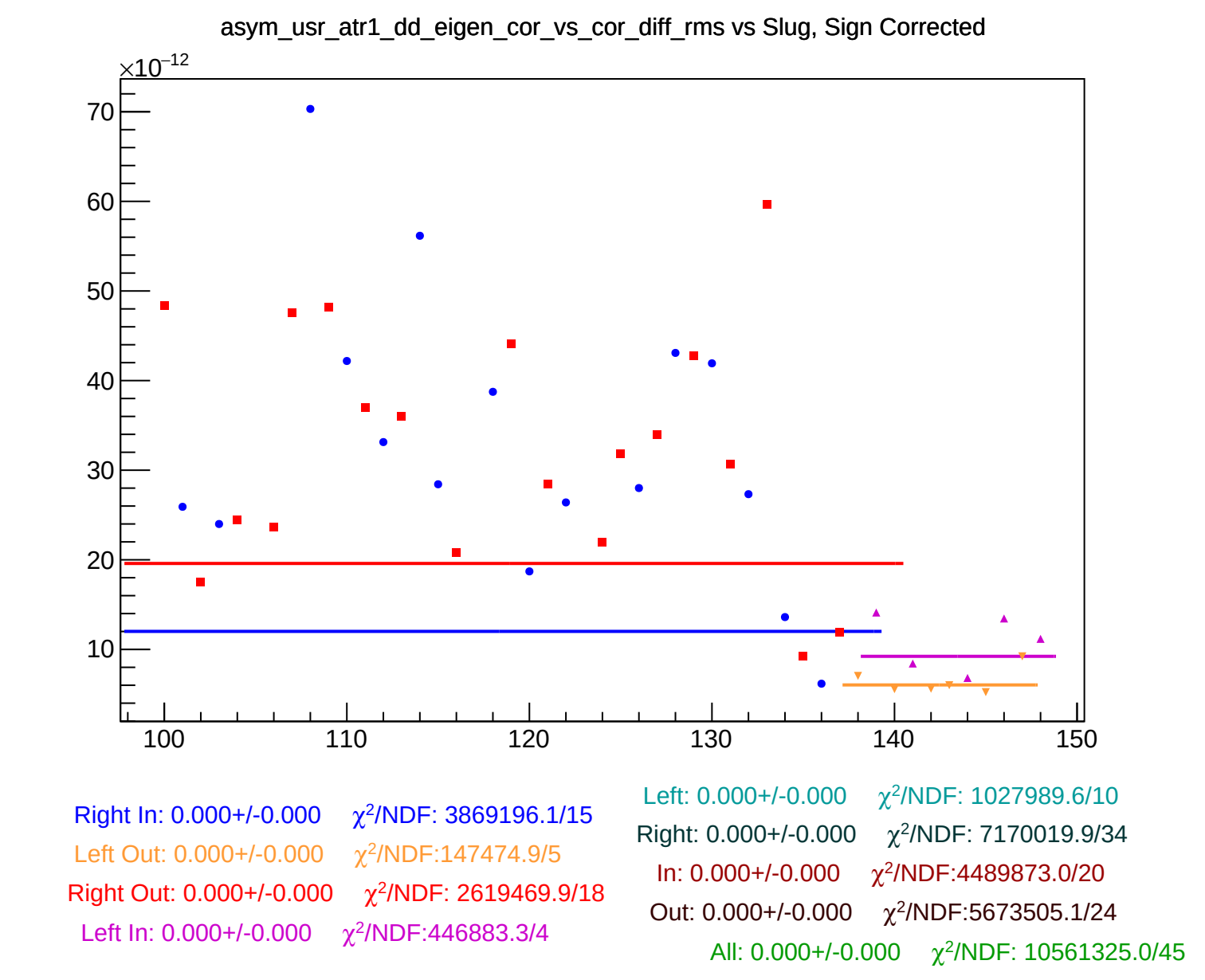
Left: -0.000+/-0.000 χ^2/NDF: 11.0/10

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

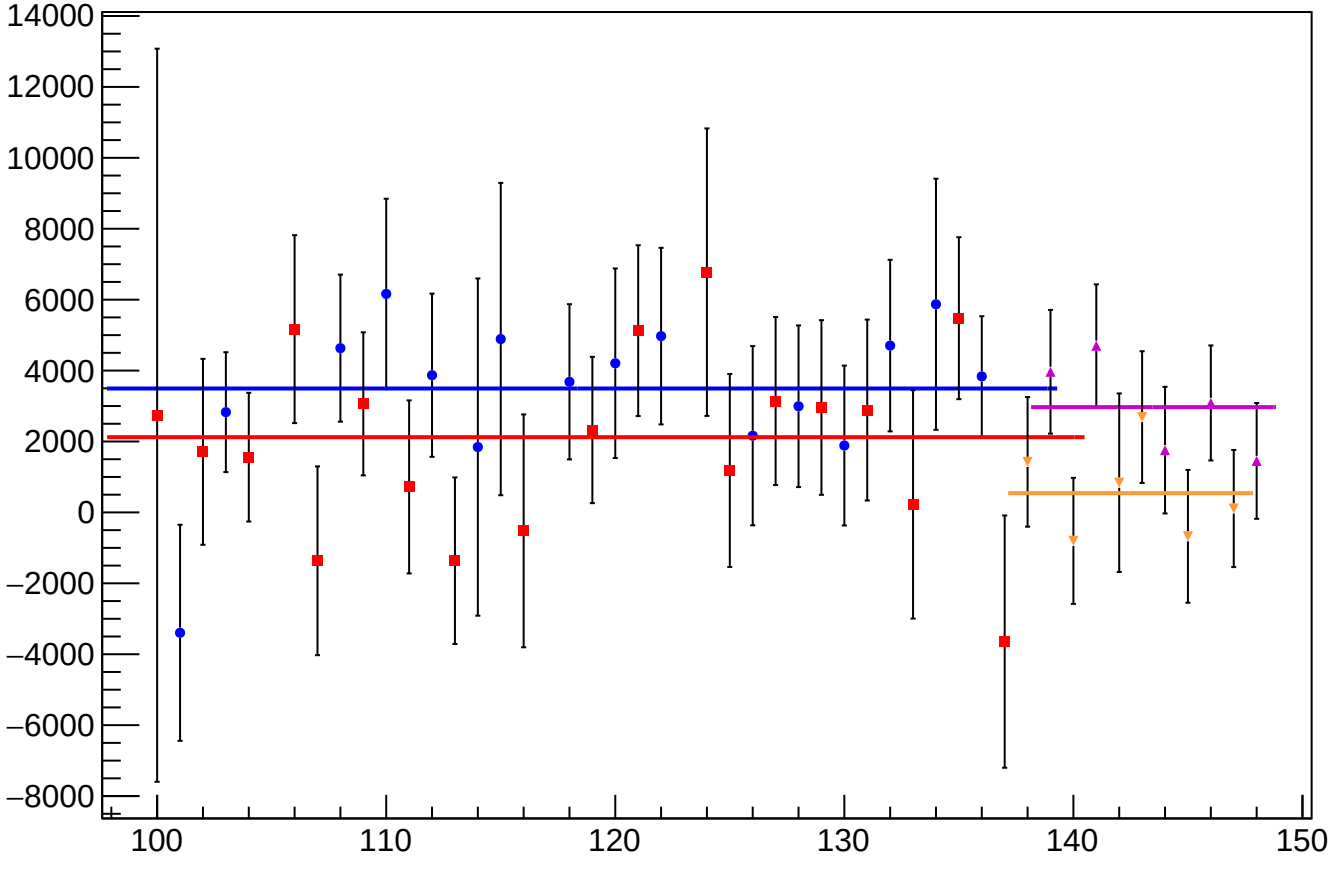
In: 0.000+/-0.000 χ^2/NDF:26.1/20

Out: -0.000+/-0.000 χ^2/NDF:24.3/24

All: -0.000+/-0.000 χ^2/NDF: 50.8/45


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:147474.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:446883.3/4
Left: 0.000+/-0.000 χ²/NDF: 1027989.6/10
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:4489873.0/20
Out: 0.000+/-0.000 χ²/NDF:5673505.1/24
All: 0.000+/-0.000 χ²/NDF: 10561325.0/45

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.237+/-763.560 χ^2/NDF:2.6/5

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2969.744+/-760.103 χ^2/NDF:2.7/4

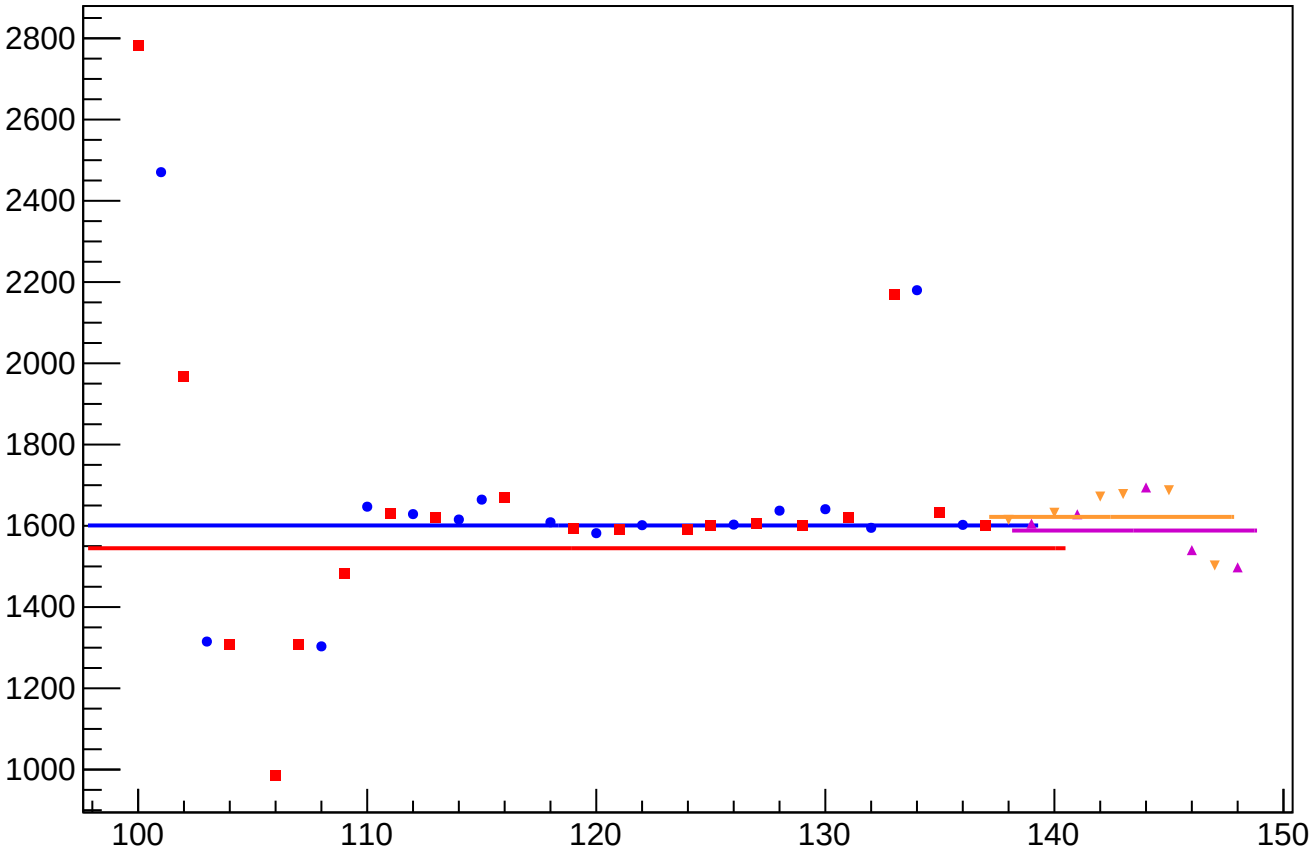
Left: 1761.995+/-538.692 χ^2/NDF: 10.4/10

Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3292.485+/-471.527 χ^2/NDF:11.8/20

Out: 1534.591+/-465.681 χ^2/NDF:20.4/24

All: 2402.575+/-331.334 χ^2/NDF: 39.2/45



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

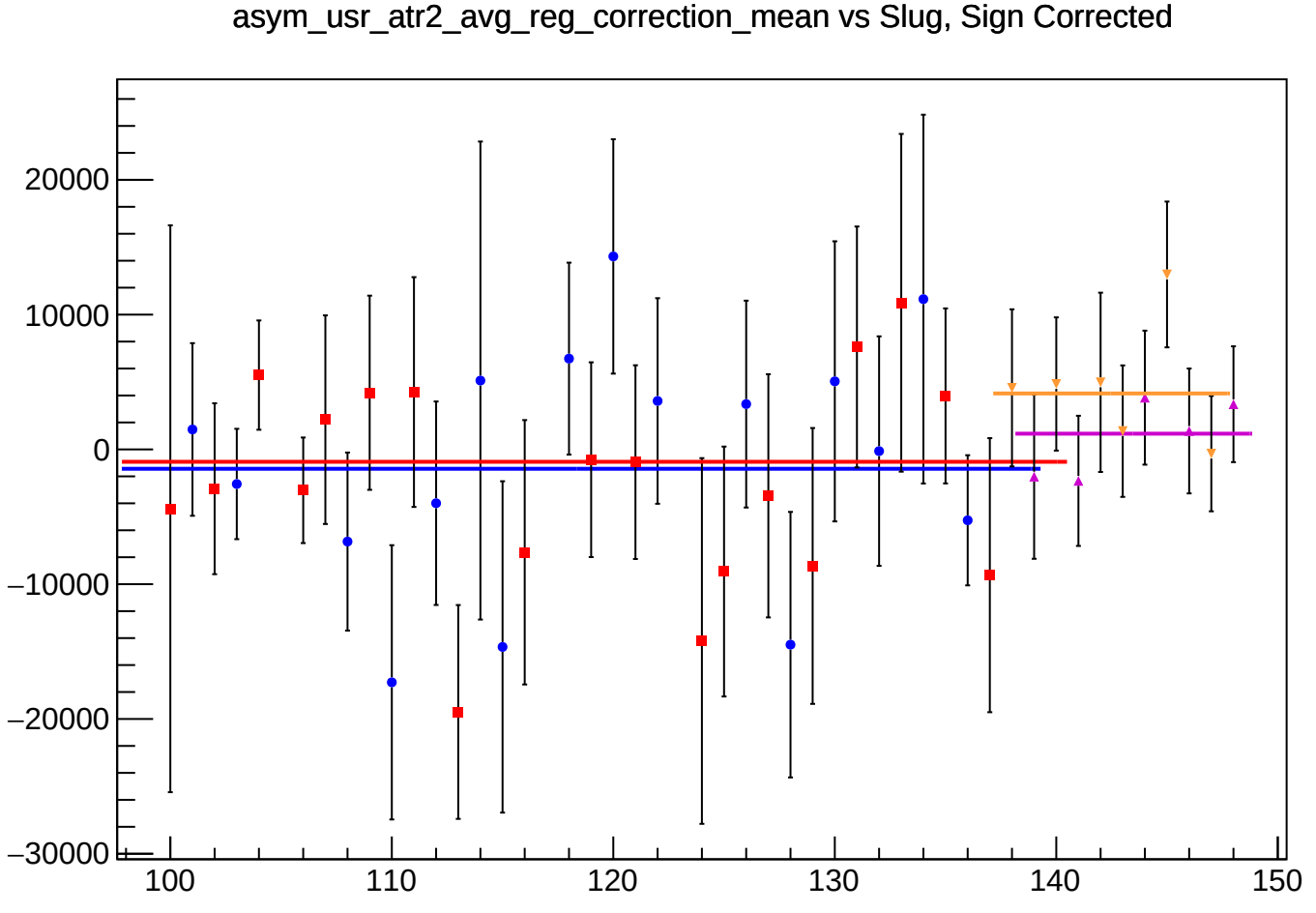
Left: 1605.088+/-0.381 χ^2/NDF: 33839.8/10

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1596.066+/-0.333 χ^2/NDF:333989.9/20

Out: 1572.901+/-0.326 χ^2/NDF:404763.4/24

All: 1584.216+/-0.233 χ^2/NDF: 741222.6/45



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 4151.618+/-2113.879 χ^2/NDF:4.1/5

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1167.368+/-2176.822 χ^2/NDF:1.3/4

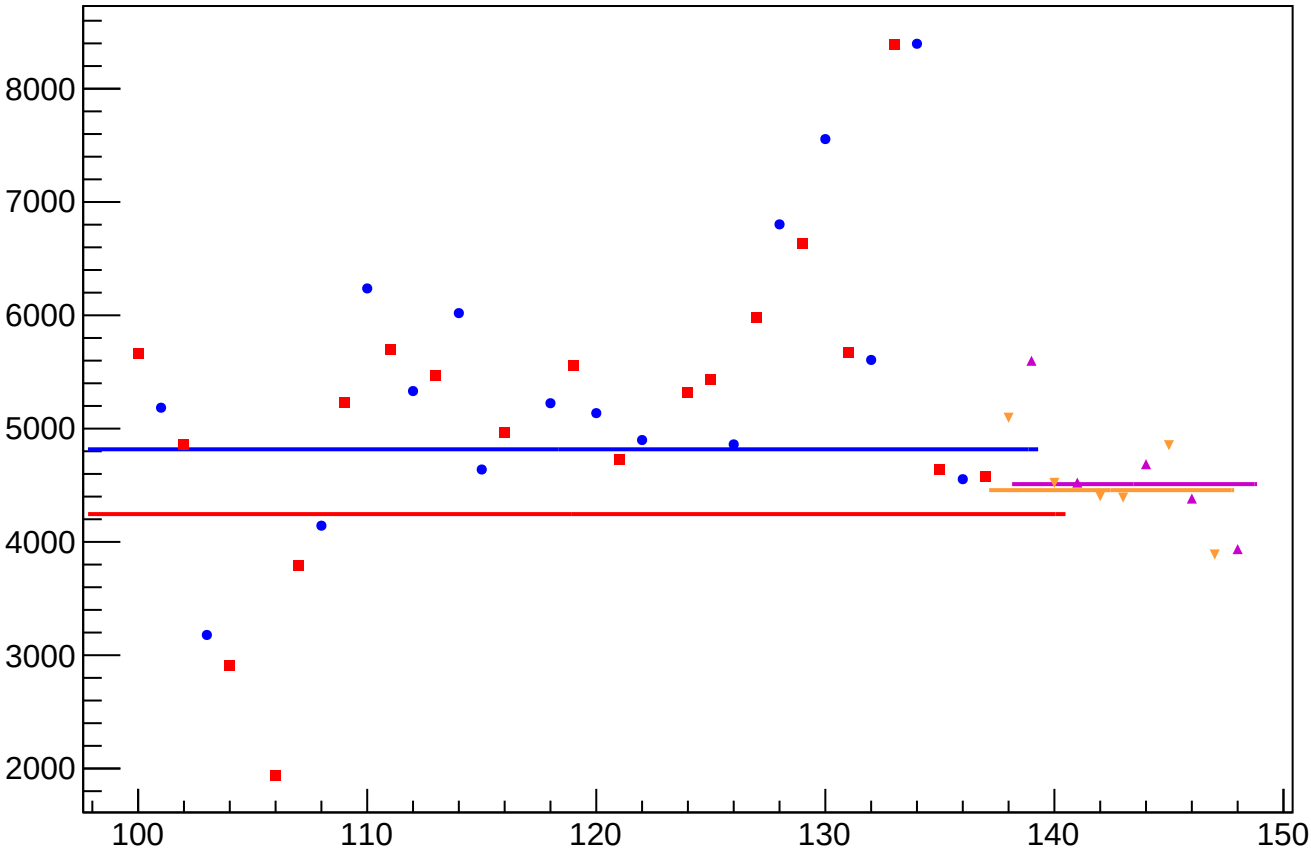
Left: 2703.261+/-1516.502 χ^2/NDF: 6.4/10

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -346.050+/-1408.925 χ^2/NDF:16.0/20

Out: 1028.839+/-1310.059 χ^2/NDF:23.0/24

All: 391.321+/-959.401 χ^2/NDF: 39.6/45



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4456.826+/-1.495 χ^2/NDF:70871.2/5

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4510.181+/-1.539 χ^2/NDF:103515.2/4

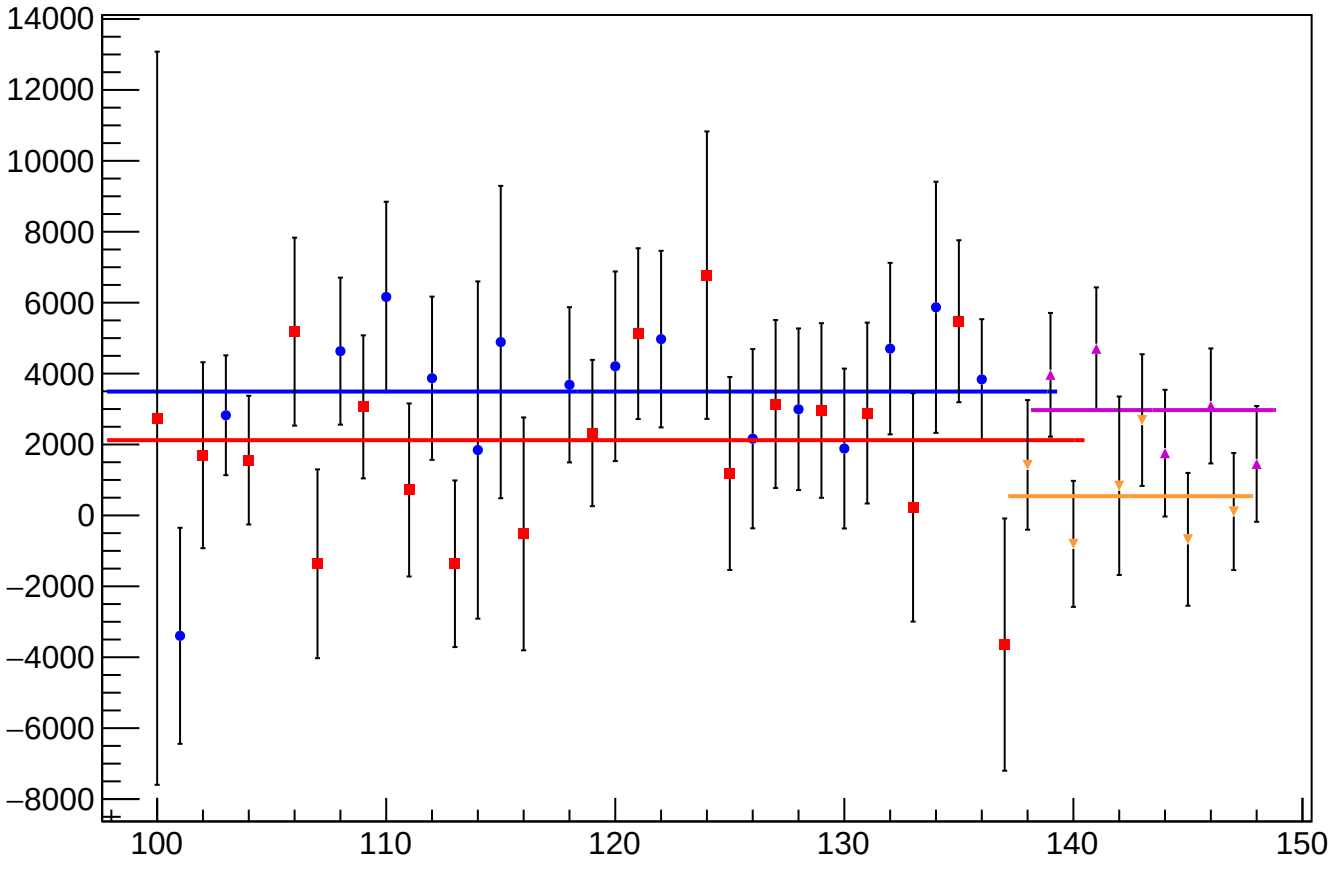
Left: 4482.721+/-1.072 χ^2/NDF: 175004.8/10

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4688.667+/-0.996 χ^2/NDF:922086.1/20

Out: 4326.687+/-0.926 χ^2/NDF:1766337.8/24

All: 4494.532+/-0.678 χ^2/NDF: 2759225.6/45



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.186+/-763.560 χ^2/NDF:2.6/5

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2970.026+/-760.103 χ^2/NDF:2.7/4

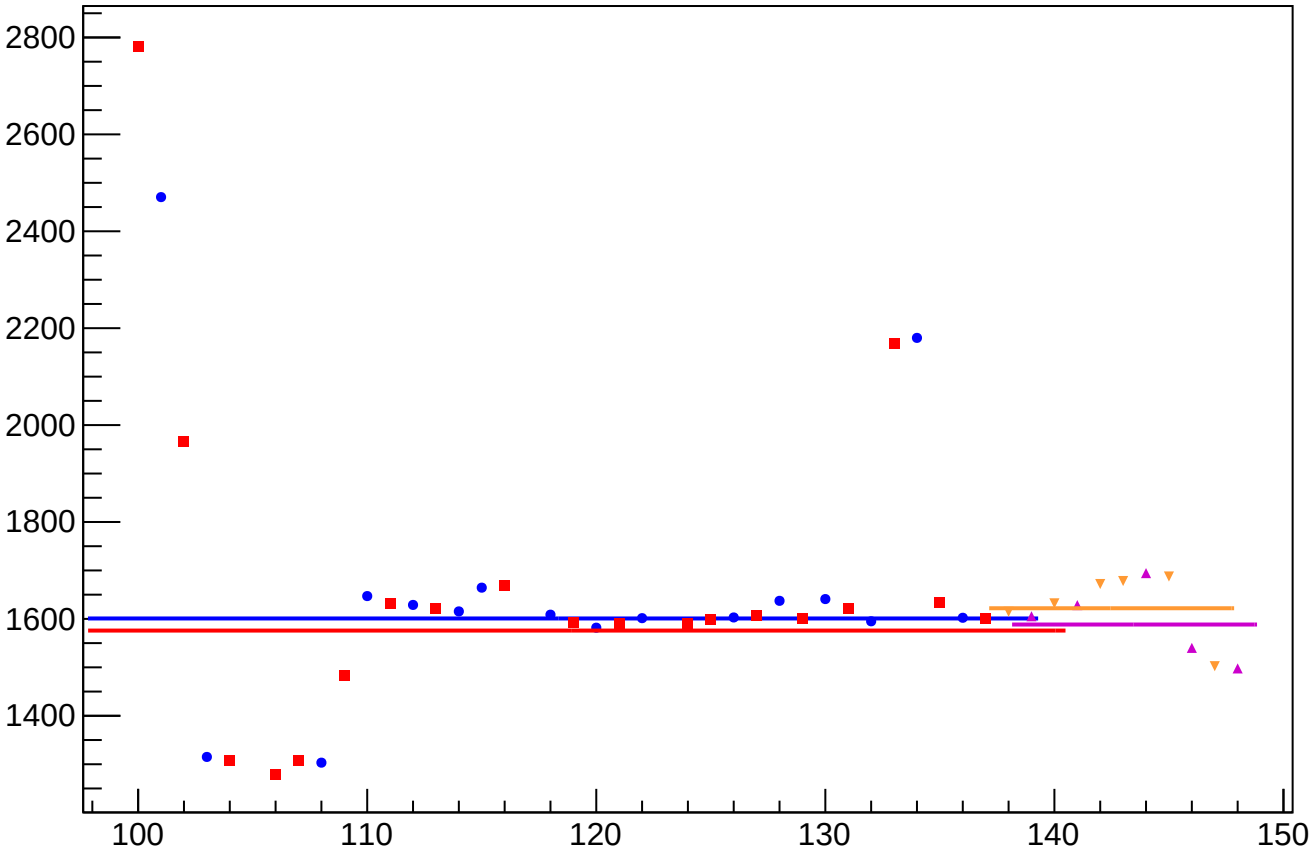
Left: 1762.111+/-538.692 χ^2/NDF: 10.4/10

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3292.388+/-471.527 χ^2/NDF:11.8/20

Out: 1534.563+/-465.683 χ^2/NDF:20.4/24

All: 2402.516+/-331.334 χ^2/NDF: 39.2/45



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

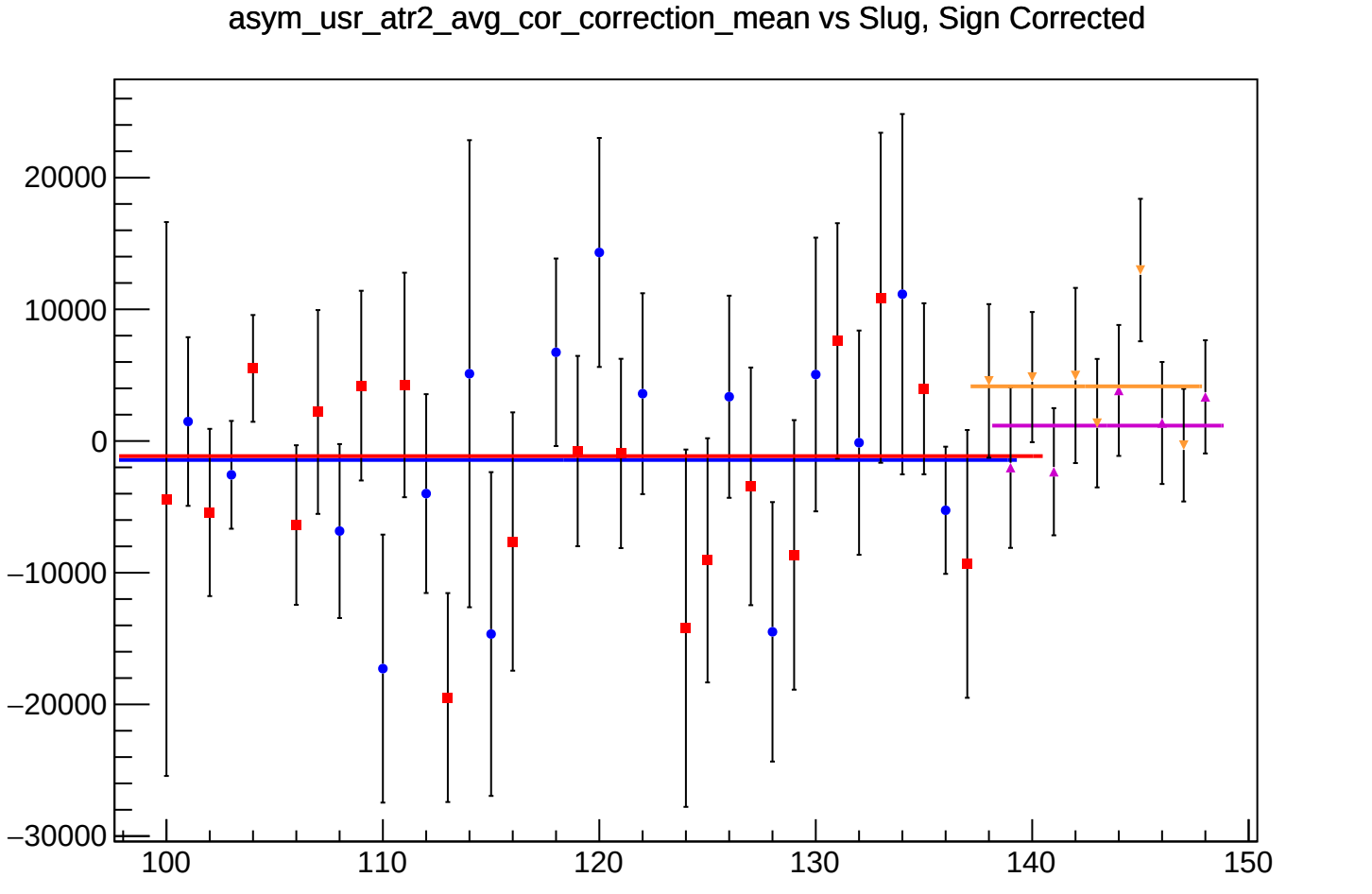
Left: 1605.088+/-0.381 χ^2/NDF: 33839.8/10

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1596.066+/-0.333 χ^2/NDF:333989.1/20

Out: 1592.947+/-0.328 χ^2/NDF:263568.9/24

All: 1594.483+/-0.234 χ^2/NDF: 597602.4/45



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4151.540+/-2113.872 χ^2/NDF:4.1/5

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1167.493+/-2176.822 χ^2/NDF:1.3/4

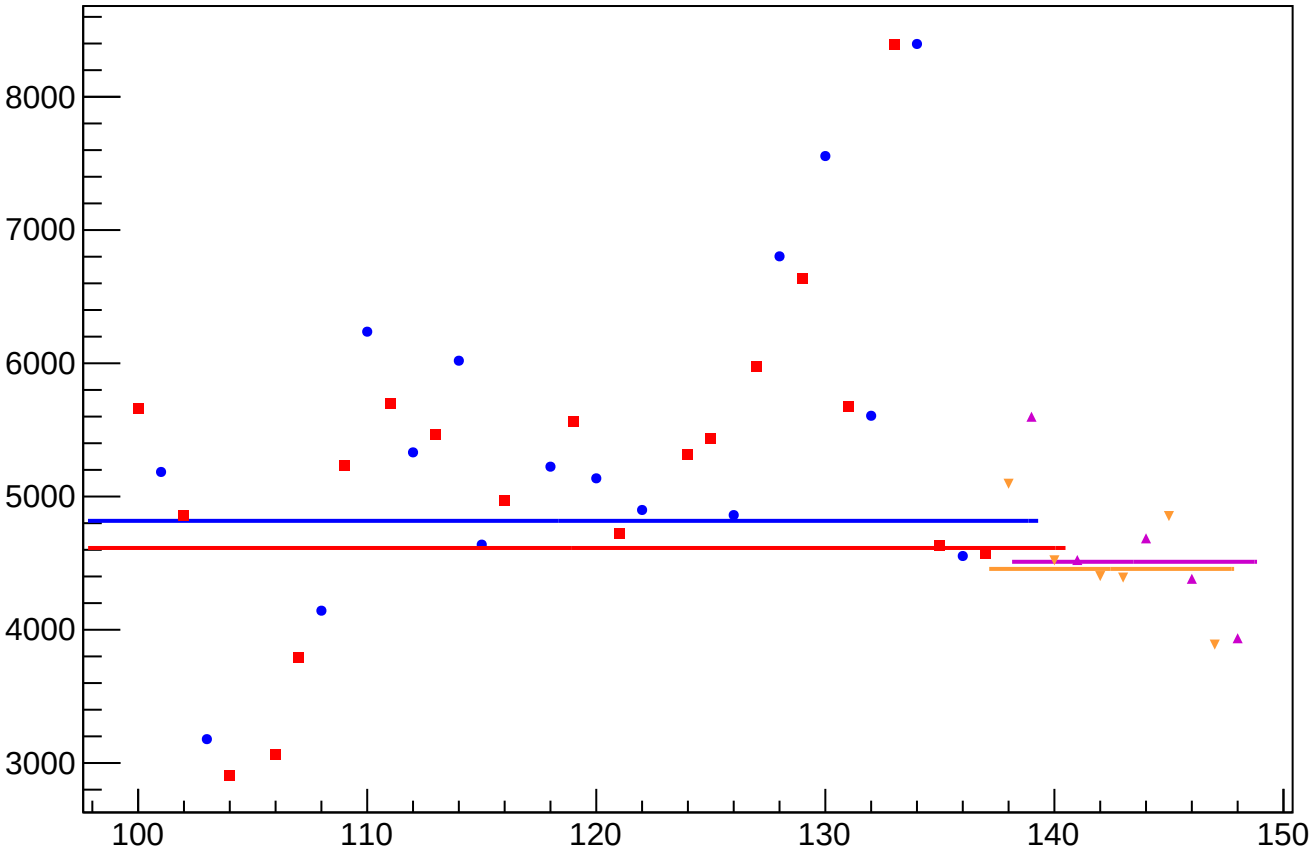
Left: 2703.286+/-1516.500 χ^2/NDF: 6.4/10

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -346.113+/-1408.941 χ^2/NDF:16.0/20

Out: 1030.579+/-1354.999 χ^2/NDF:24.1/24

All: 369.090+/-976.642 χ^2/NDF: 40.6/45



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4456.813+/-1.495 χ^2/NDF:70870.8/5

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

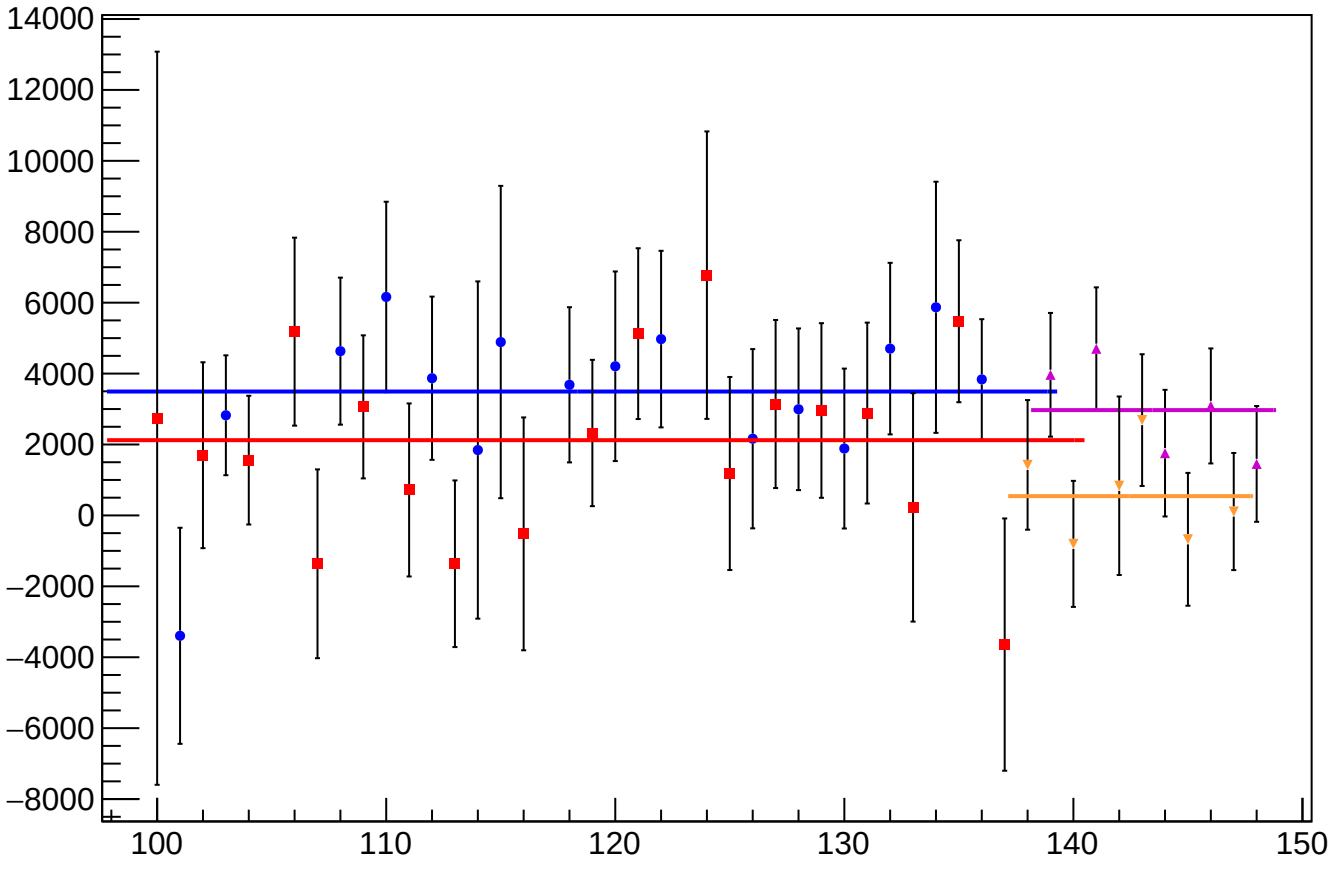
Left: 4482.714+/-1.072 χ^2/NDF: 175004.3/10

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4688.743+/-0.996 χ^2/NDF:921908.0/20

Out: 4549.326+/-0.958 χ^2/NDF:1055331.5/24

All: 4616.315+/-0.691 χ^2/NDF: 1987413.0/45



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.186+/-763.560 χ^2/NDF:2.6/5

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2970.026+/-760.103 χ^2/NDF:2.7/4

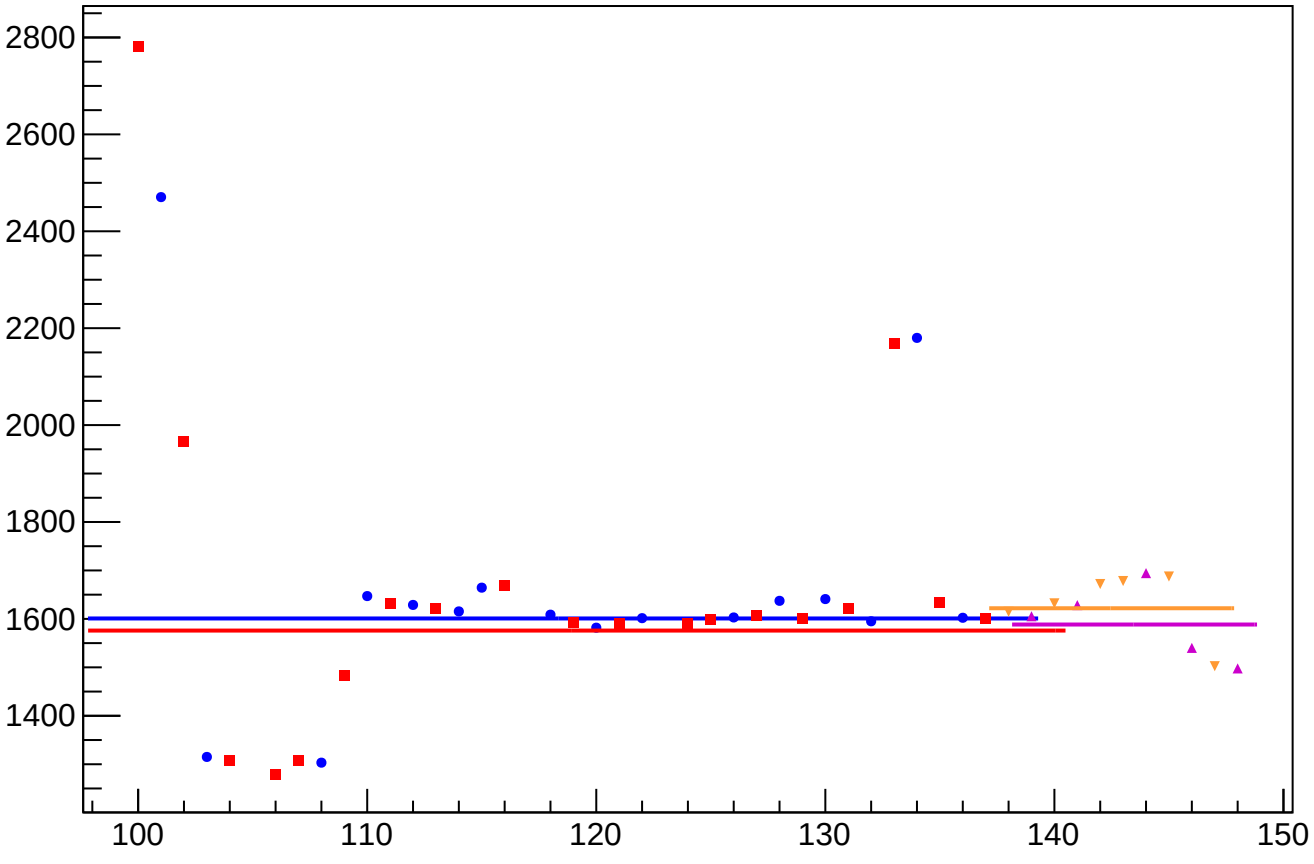
Left: 1762.111+/-538.692 χ^2/NDF: 10.4/10

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3292.388+/-471.527 χ^2/NDF:11.8/20

Out: 1534.563+/-465.683 χ^2/NDF:20.4/24

All: 2402.516+/-331.334 χ^2/NDF: 39.2/45



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

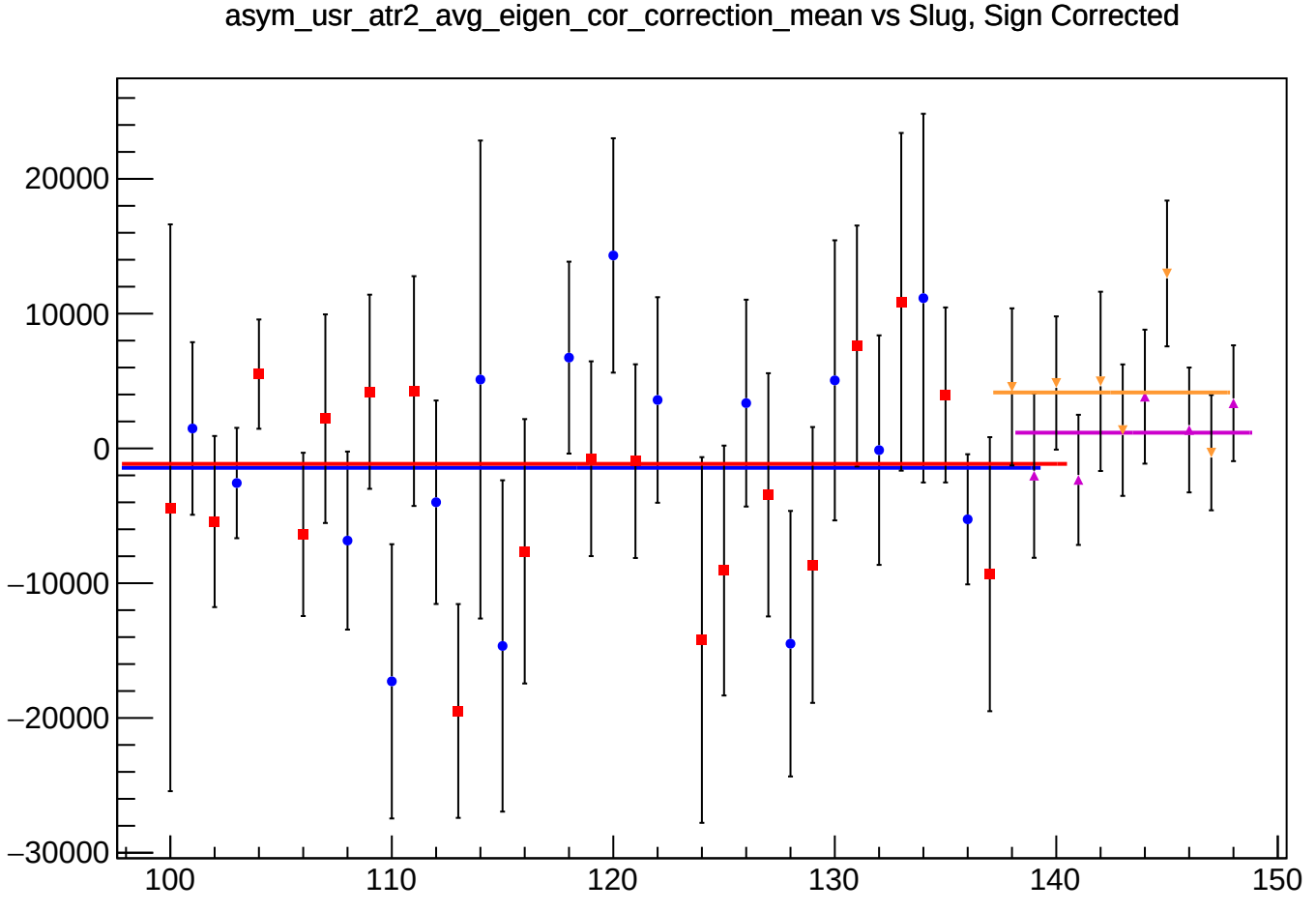
Left: 1605.088+/-0.381 χ^2/NDF: 33839.8/10

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1596.066+/-0.333 χ^2/NDF:333989.1/20

Out: 1592.947+/-0.328 χ^2/NDF:263568.9/24

All: 1594.483+/-0.234 χ^2/NDF: 597602.4/45



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4151.540+/-2113.872 χ^2/NDF:4.1/5

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1167.493+/-2176.822 χ^2/NDF:1.3/4

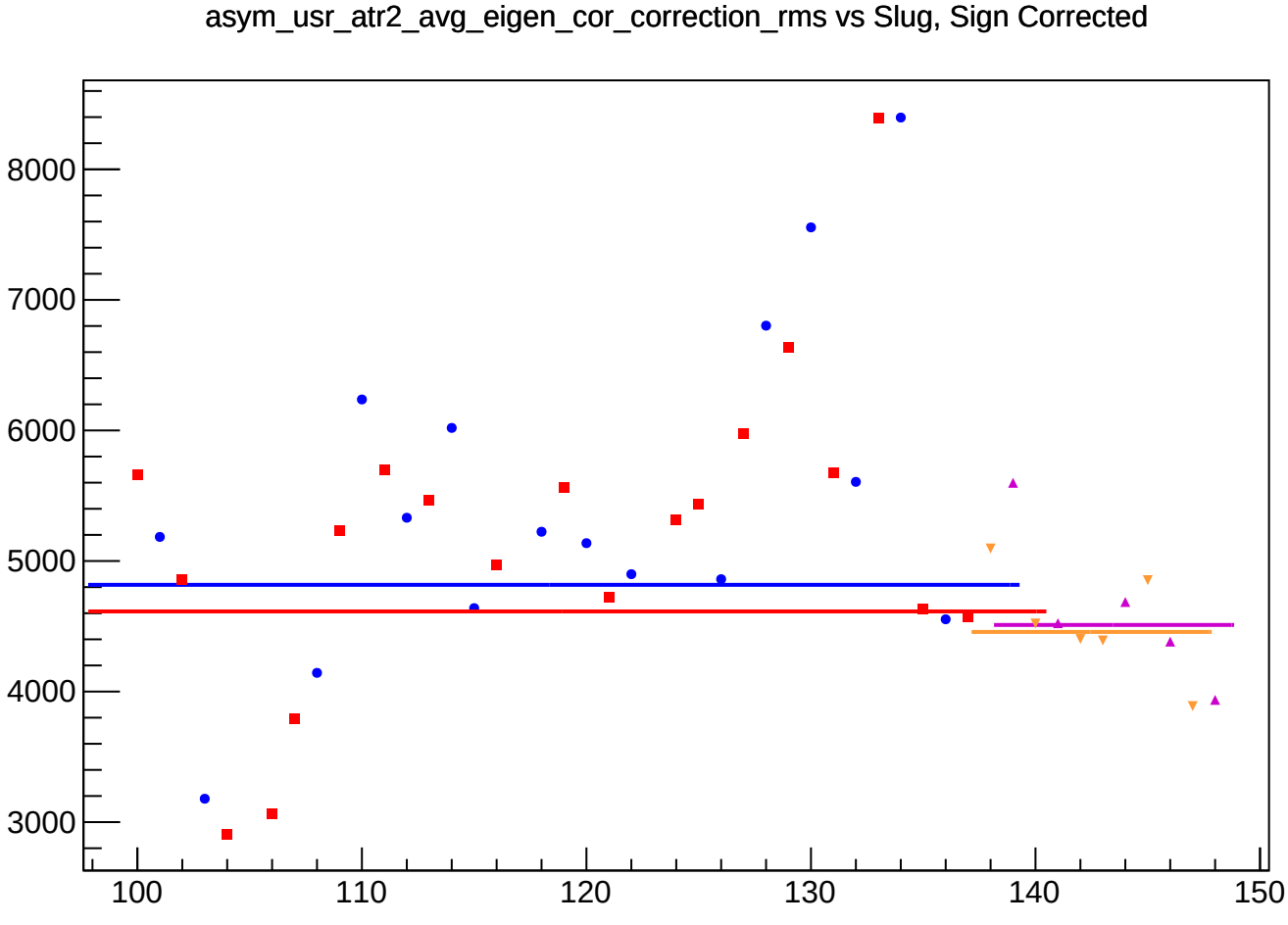
Left: 2703.286+/-1516.500 χ^2/NDF: 6.4/10

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -346.113+/-1408.941 χ^2/NDF:16.0/20

Out: 1030.579+/-1354.999 χ^2/NDF:24.1/24

All: 369.090+/-976.642 χ^2/NDF: 40.6/45



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4456.813+/-1.495 χ^2/NDF:70870.8/5

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

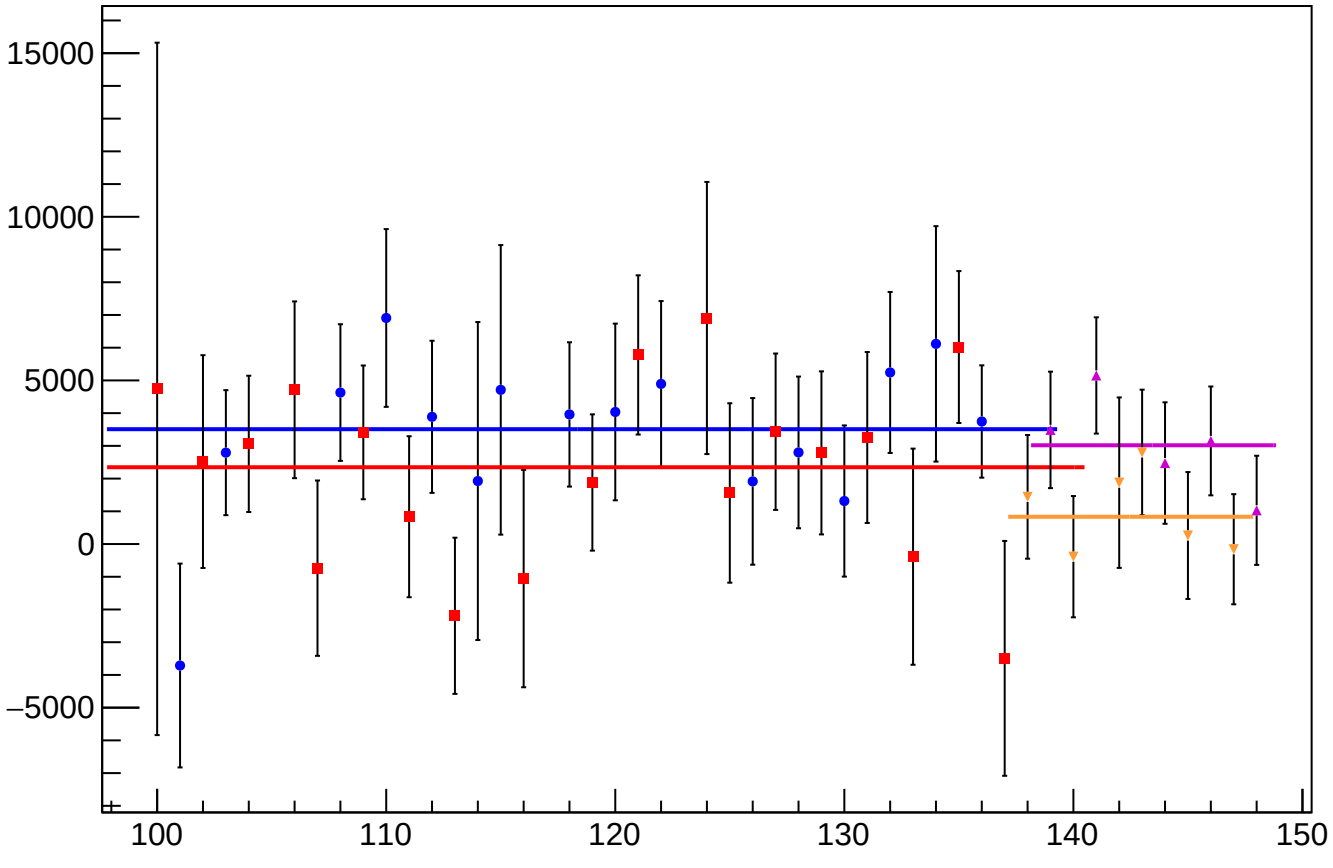
Left: 4482.714+/-1.072 χ^2/NDF: 175004.3/10

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4688.743+/-0.996 χ^2/NDF:921908.0/20

Out: 4549.326+/-0.958 χ^2/NDF:1055331.5/24

All: 4616.315+/-0.691 χ^2/NDF: 1987413.0/45



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 833.510+/-788.218 χ^2/NDF:2.2/5

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3017.961+/-779.909 χ^2/NDF:3.0/4

Left: 1937.309+/-554.393 χ^2/NDF: 9.1/10

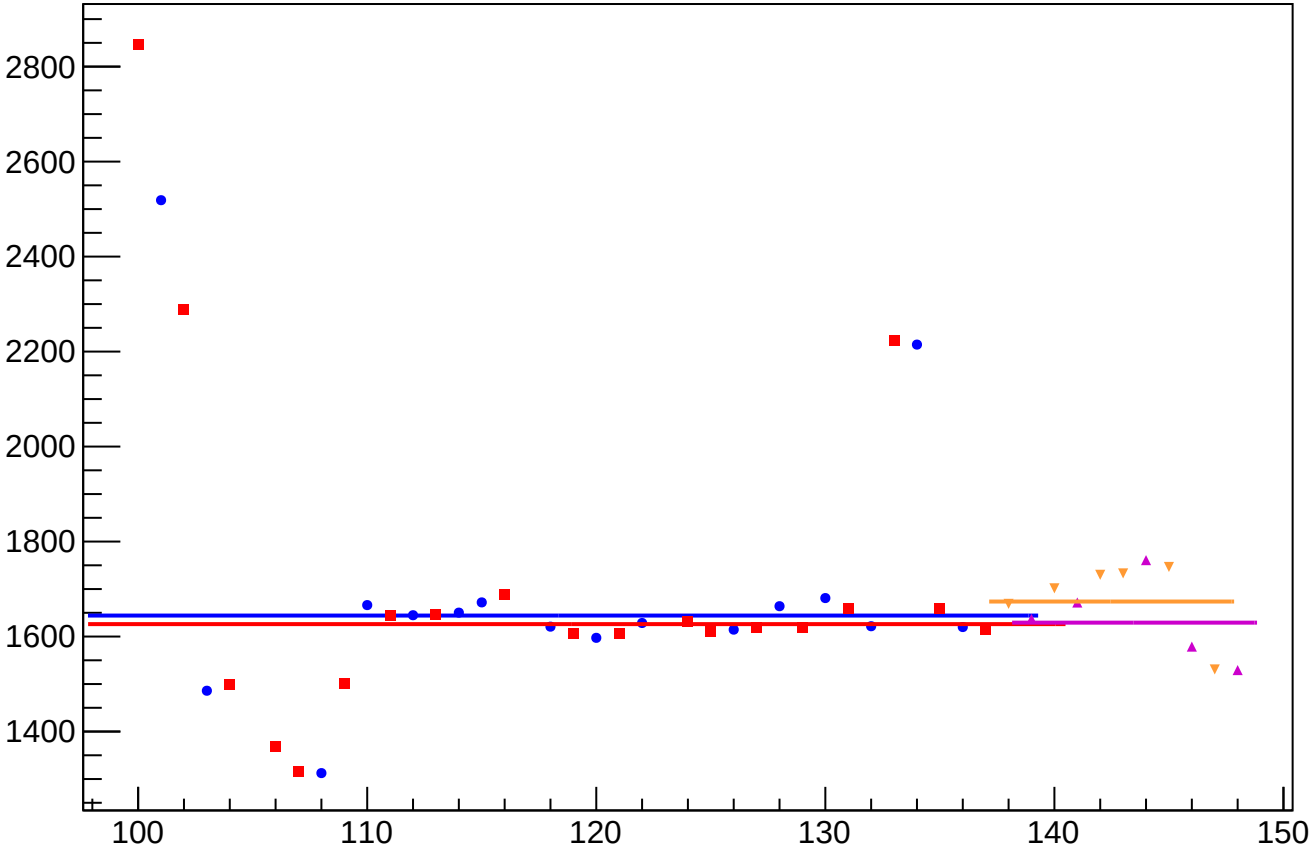
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3320.393+/-483.753 χ^2/NDF:13.7/20

Out: 1782.900+/-481.172 χ^2/NDF:21.6/24

All: 2547.535+/-341.149 χ^2/NDF: 40.3/45

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1673.725+/-0.557 χ^2/NDF:20560.7/5

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1629.276+/-0.551 χ^2/NDF:20251.7/4

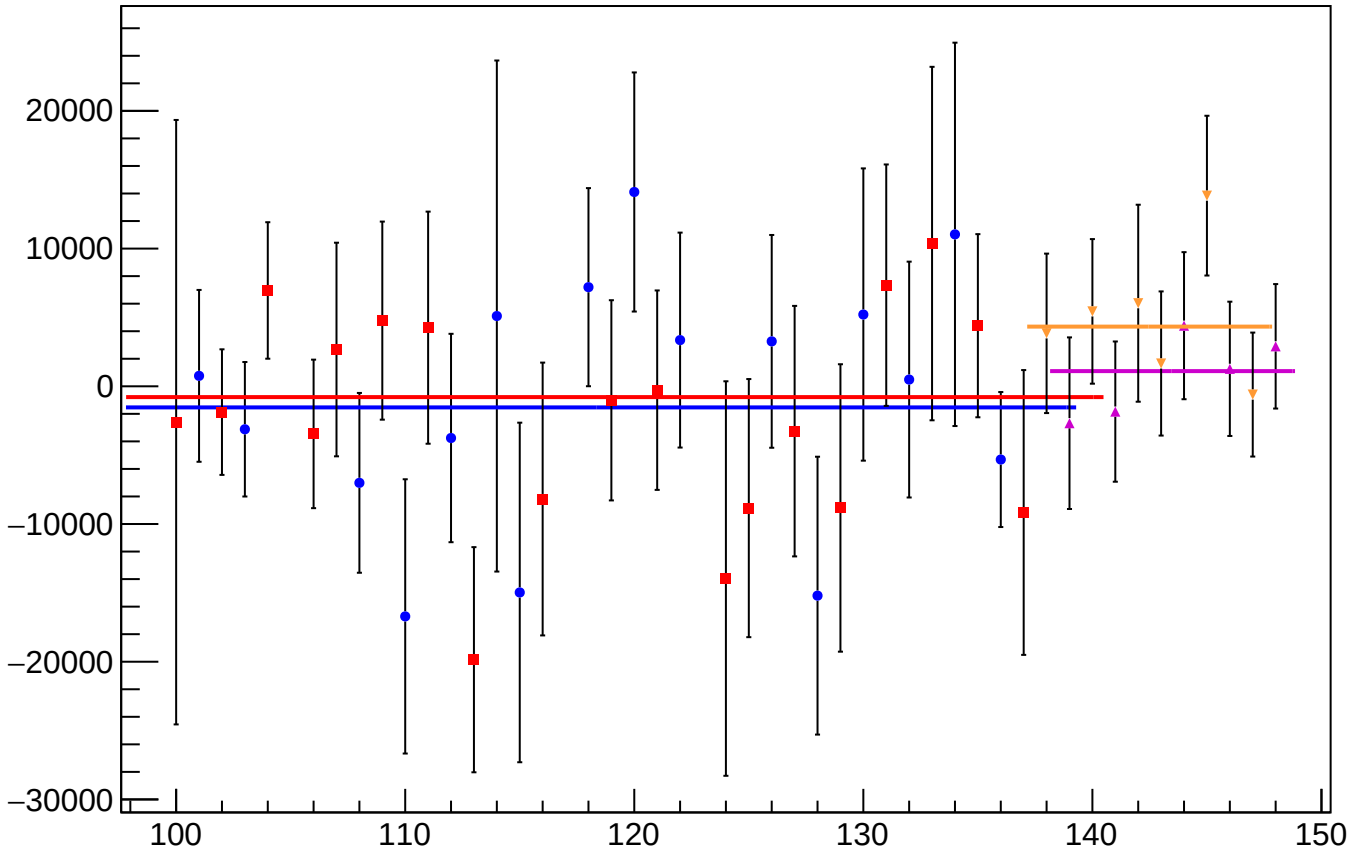
Left: 1651.265+/-0.392 χ^2/NDF: 44026.1/10

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1638.457+/-0.342 χ^2/NDF:295520.1/20

Out: 1643.875+/-0.340 χ^2/NDF:262769.0/24

All: 1641.182+/-0.241 χ^2/NDF: 558415.3/45



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4334.684+/-2229.141 χ^2/NDF:4.3/5

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1102.981+/-2291.584 χ^2/NDF:1.2/4

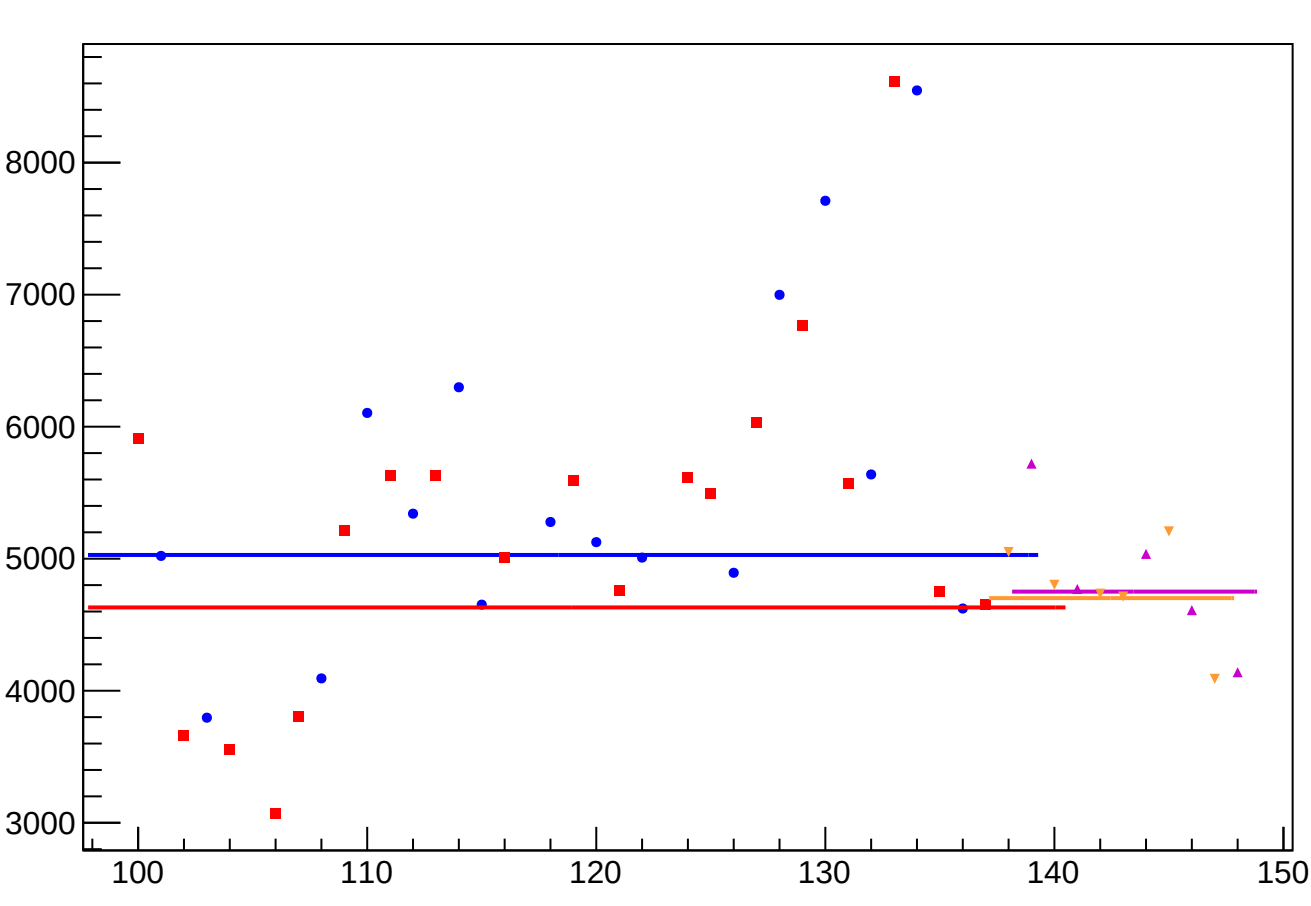
Left: 2763.462+/-1597.860 χ^2/NDF: 6.5/10

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -449.390+/-1468.913 χ^2/NDF:15.9/20

Out: 1165.669+/-1375.799 χ^2/NDF:22.6/24

All: 410.948+/-1004.142 χ^2/NDF: 39.1/45



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4701.573+/-1.576 χ^2/NDF:60141.6/5

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4750.732+/-1.620 χ^2/NDF:92345.7/4

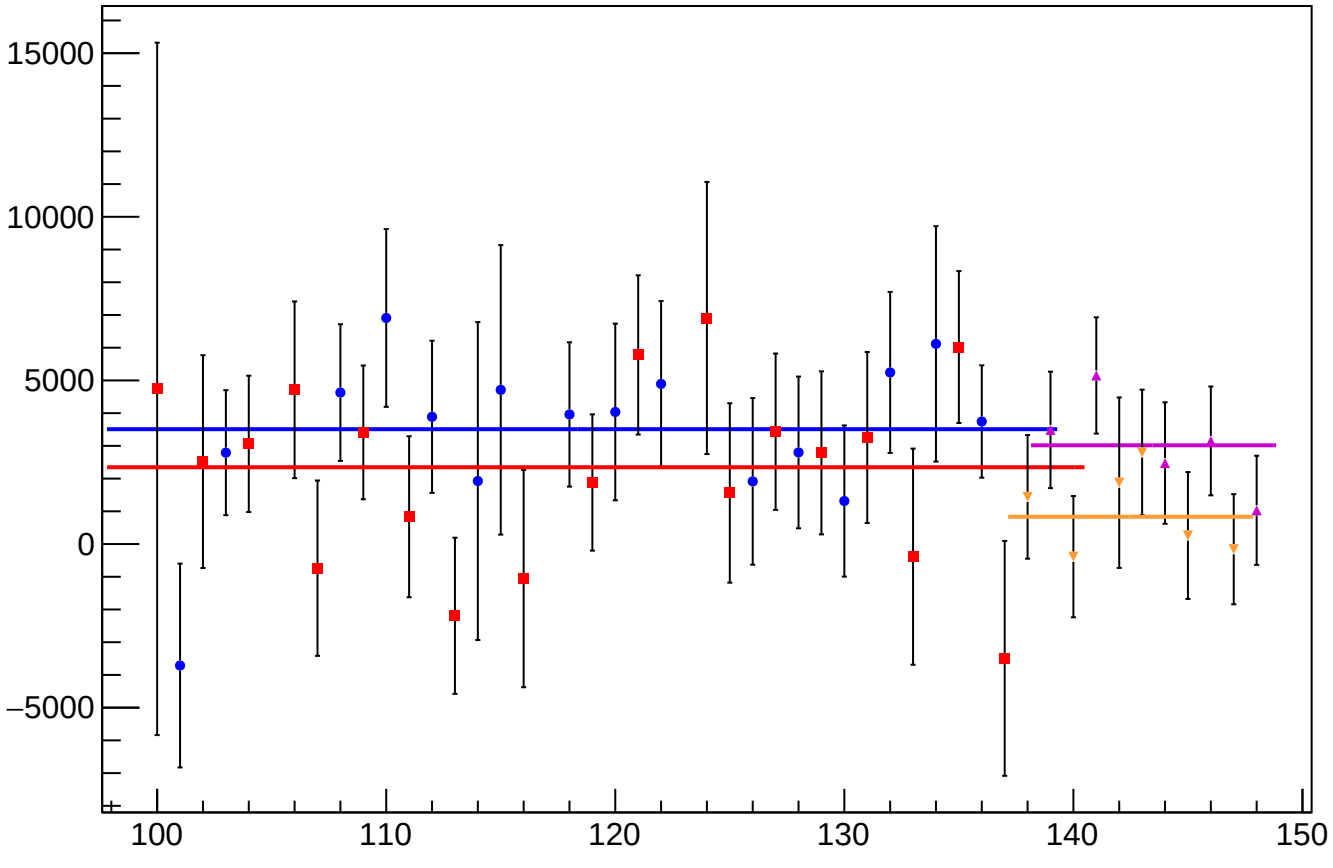
Left: 4725.474+/-1.130 χ^2/NDF: 152960.2/10

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4914.339+/-1.039 χ^2/NDF:675119.8/20

Out: 4657.821+/-0.973 χ^2/NDF:924901.0/24

All: 4777.693+/-0.710 χ^2/NDF: 1632511.2/45



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 833.511+/-788.218 χ^2/NDF:2.2/5

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3017.955+/-779.910 χ^2/NDF:3.0/4

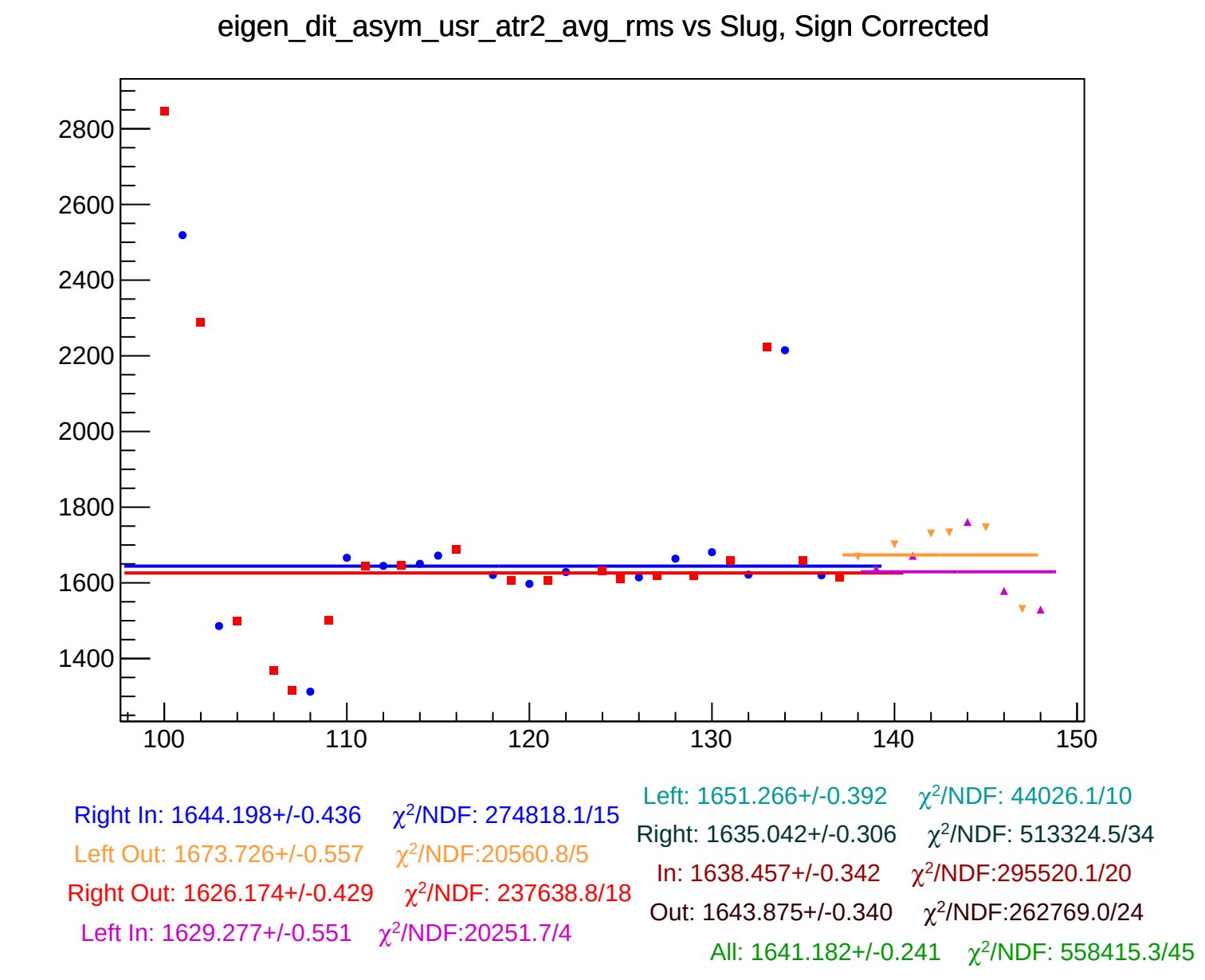
Left: 1937.306+/-554.394 χ^2/NDF: 9.1/10

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

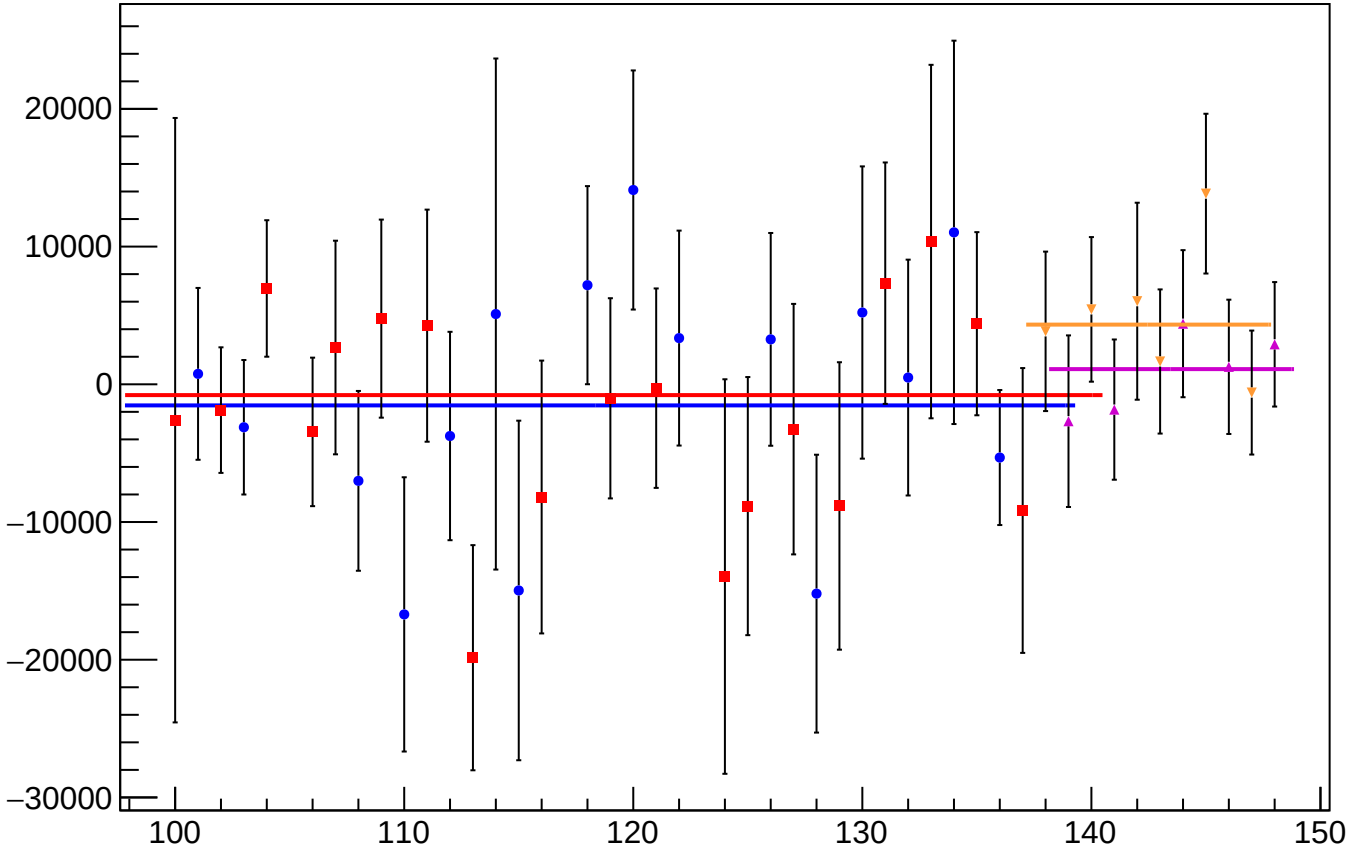
In: 3320.393+/-483.753 χ^2/NDF:13.7/20

Out: 1782.904+/-481.172 χ^2/NDF:21.6/24

All: 2547.537+/-341.149 χ^2/NDF: 40.3/45


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1673.726+/-0.557 χ²/NDF:20560.8/5
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1629.277+/-0.551 χ²/NDF:20251.7/4
Left: 1651.266+/-0.392 χ²/NDF: 44026.1/10
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1638.457+/-0.342 χ²/NDF:295520.1/20
Out: 1643.875+/-0.340 χ²/NDF:262769.0/24
All: 1641.182+/-0.241 χ²/NDF: 558415.3/45

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4334.686+/-2229.145 χ^2/NDF:4.3/5

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1102.974+/-2291.588 χ^2/NDF:1.2/4

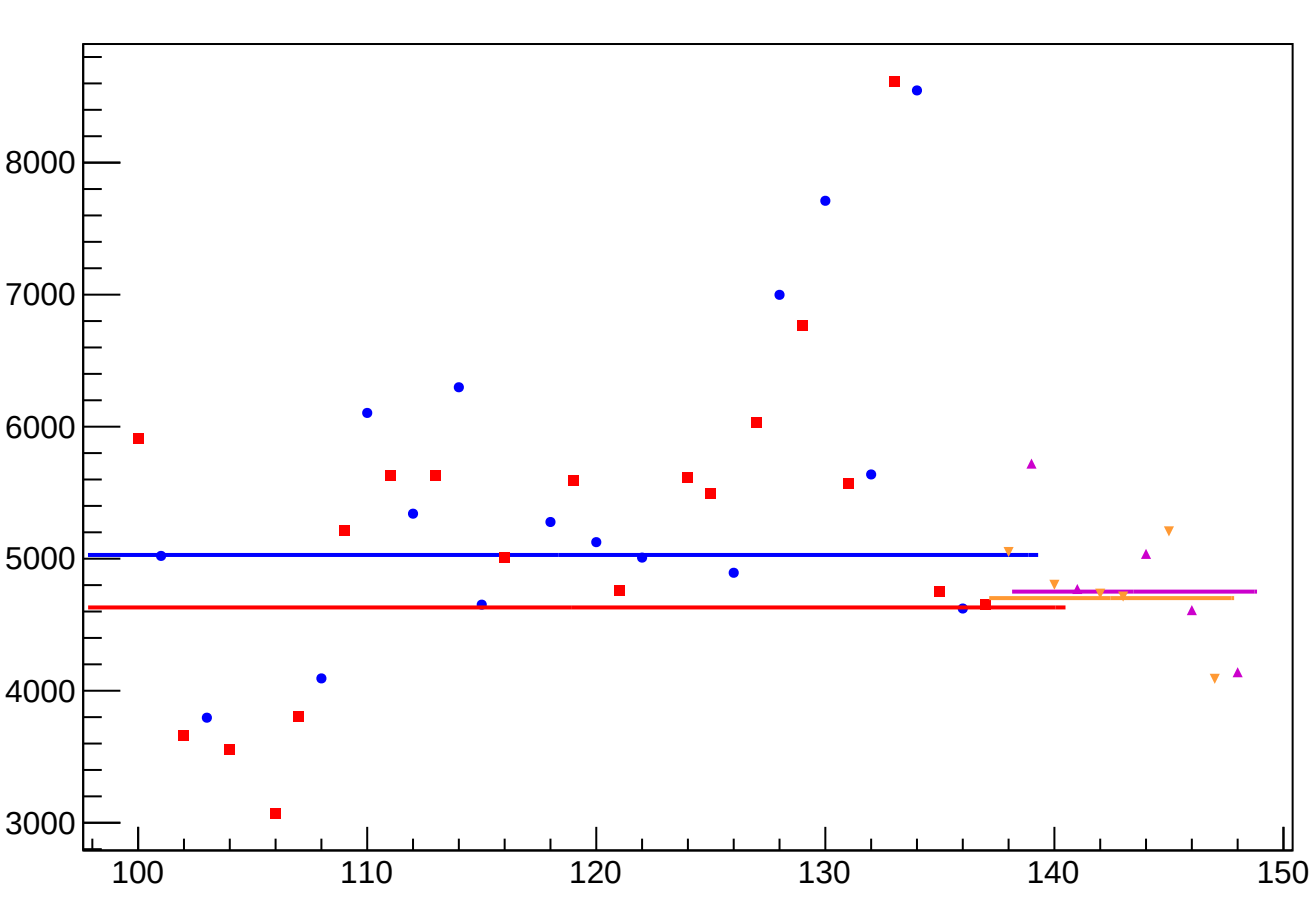
Left: 2763.459+/-1597.863 χ^2/NDF: 6.5/10

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -449.387+/-1468.913 χ^2/NDF:15.9/20

Out: 1165.661+/-1375.799 χ^2/NDF:22.6/24

All: 410.945+/-1004.142 χ^2/NDF: 39.1/45



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4701.580+/-1.576 χ^2/NDF:60141.8/5

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4750.739+/-1.620 χ^2/NDF:92345.9/4

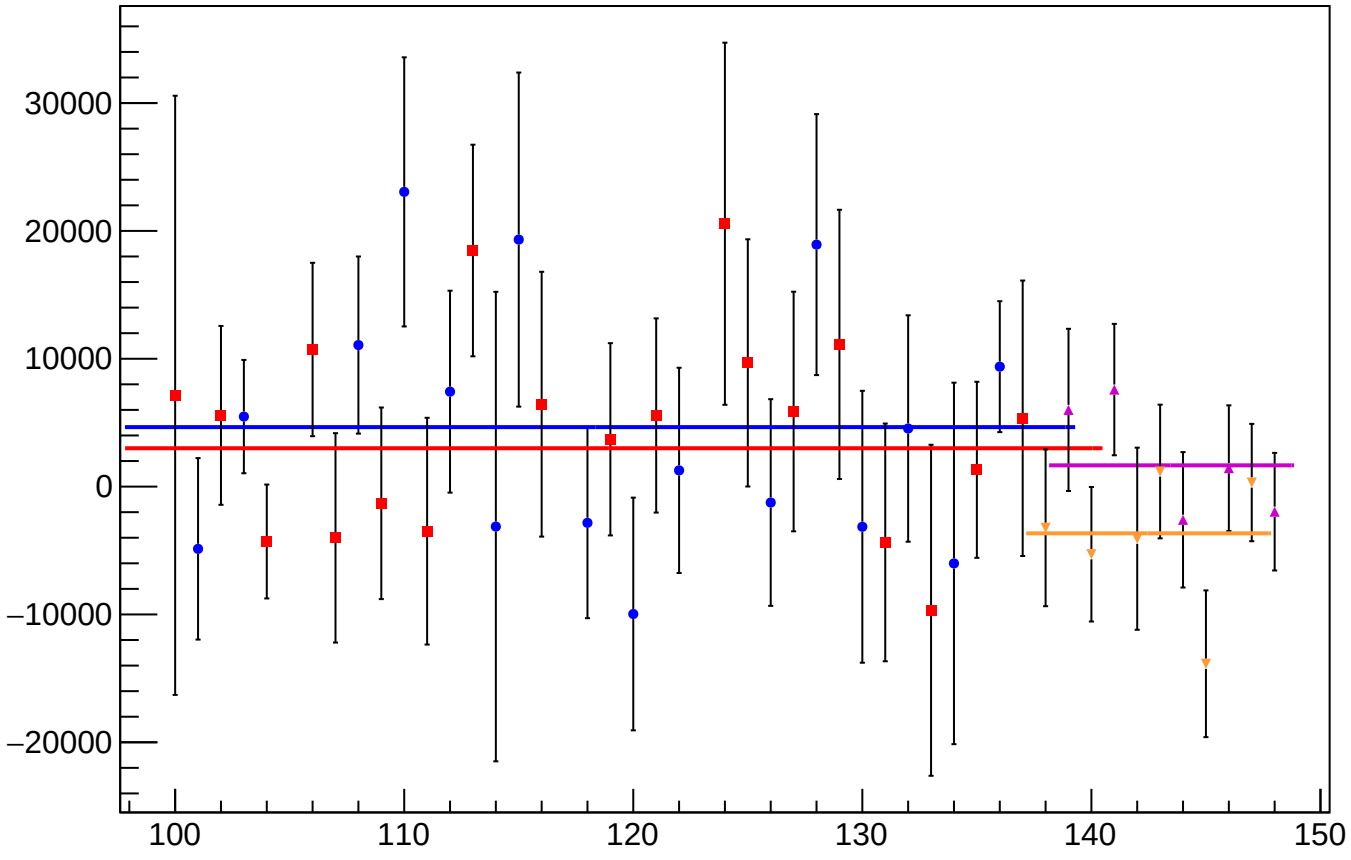
Left: 4725.481+/-1.130 χ^2/NDF: 152960.7/10

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4914.339+/-1.039 χ^2/NDF:675112.1/20

Out: 4657.820+/-0.973 χ^2/NDF:924895.8/24

All: 4777.692+/-0.710 χ^2/NDF: 1632498.4/45



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -3655.296+/-2253.643 χ^2/NDF:4.9/5

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1662.975+/-2312.129 χ^2/NDF:3.1/4

Left: -1064.275+/-1613.847 χ^2/NDF: 10.7/10

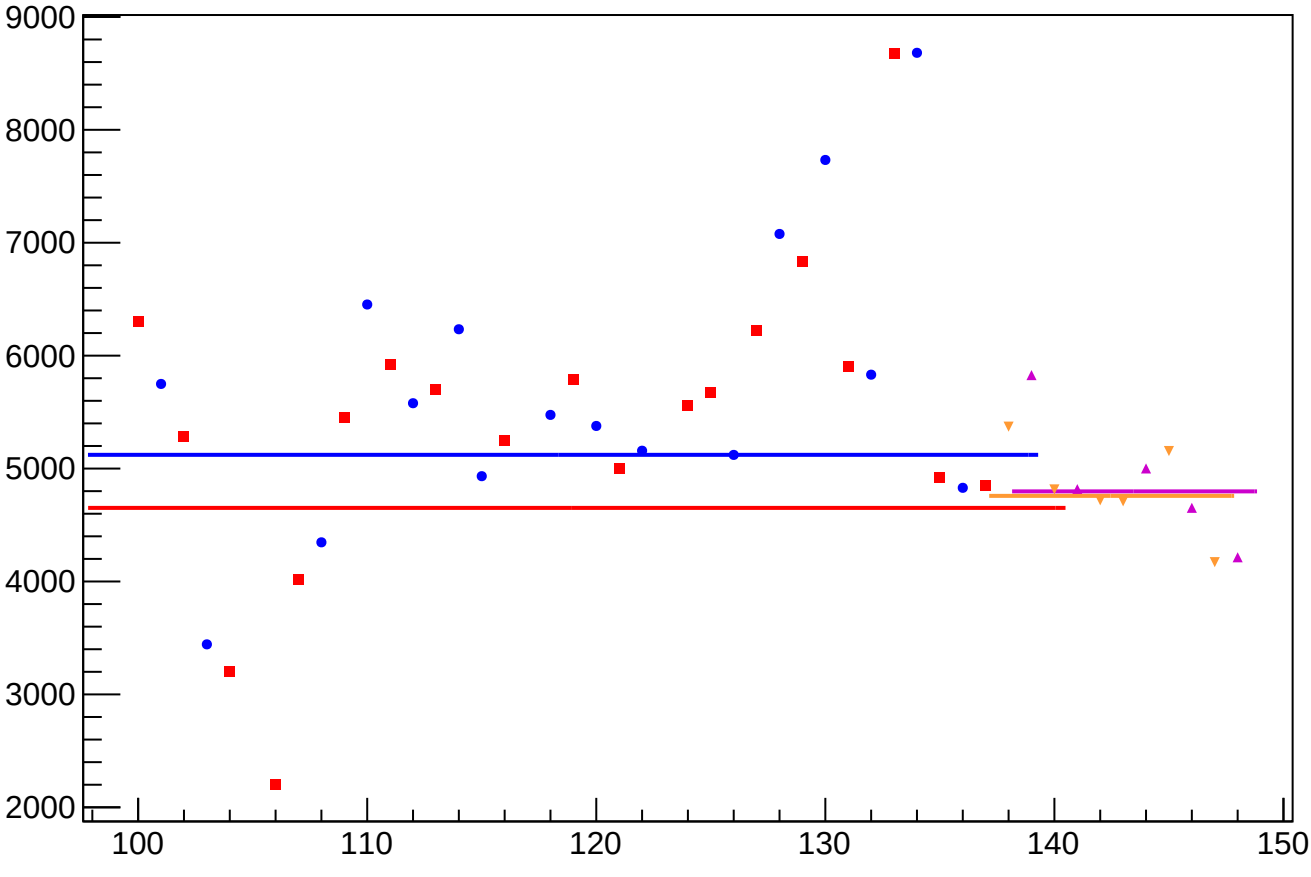
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3403.973+/-1494.426 χ^2/NDF:19.6/20

Out: 264.800+/-1444.913 χ^2/NDF:23.9/24

All: 1781.522+/-1038.771 χ^2/NDF: 45.7/45

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4758.209+/-1.594 χ^2/NDF:62765.2/5

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4797.957+/-1.635 χ^2/NDF:89628.9/4

Left: 4777.574+/-1.141 χ^2/NDF: 152697.3/10

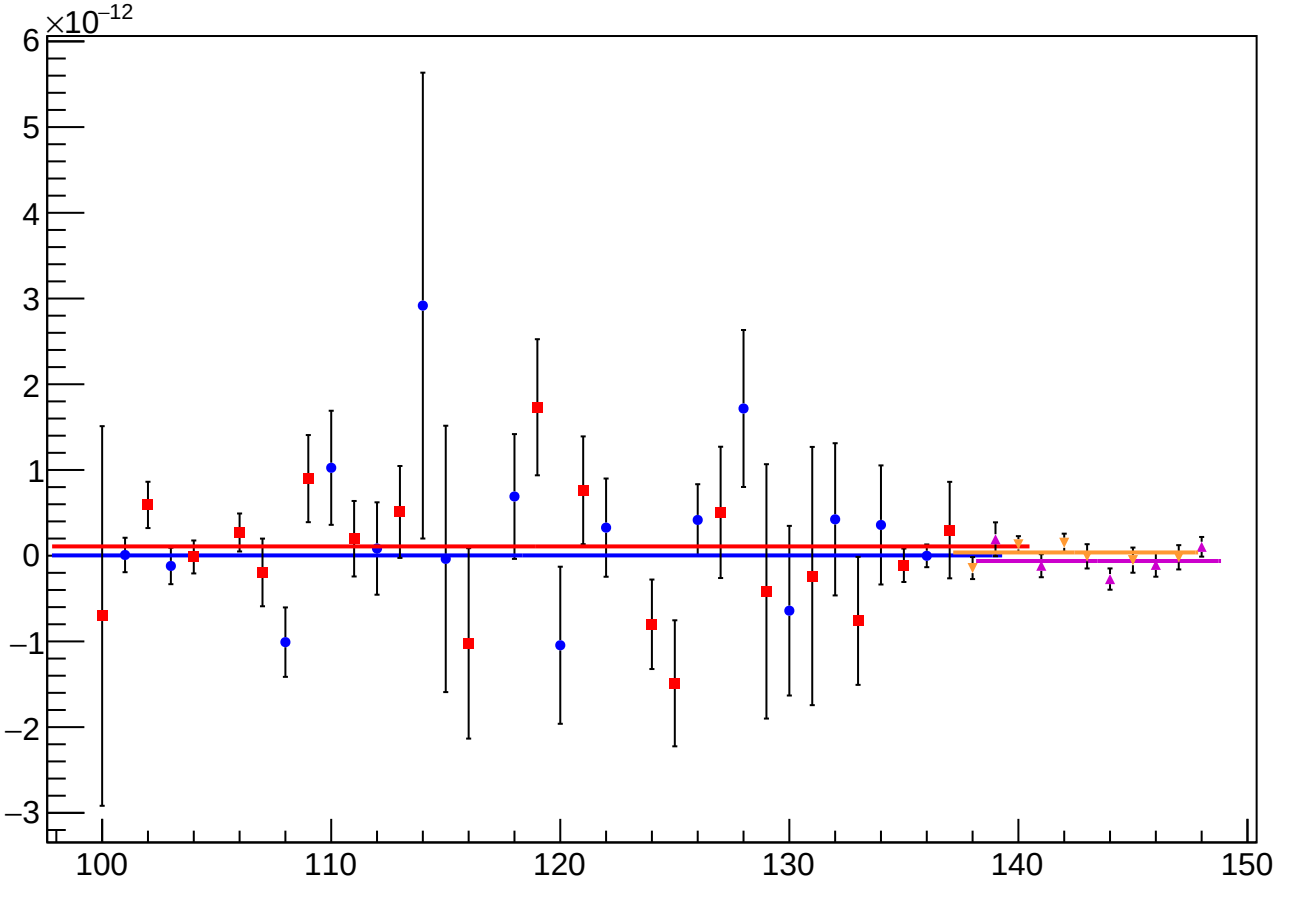
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 4986.421+/-1.057 χ^2/NDF:832821.3/20

Out: 4693.499+/-0.998 χ^2/NDF:1410346.6/24

All: 4831.611+/-0.726 χ^2/NDF: 2283777.6/45

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/4

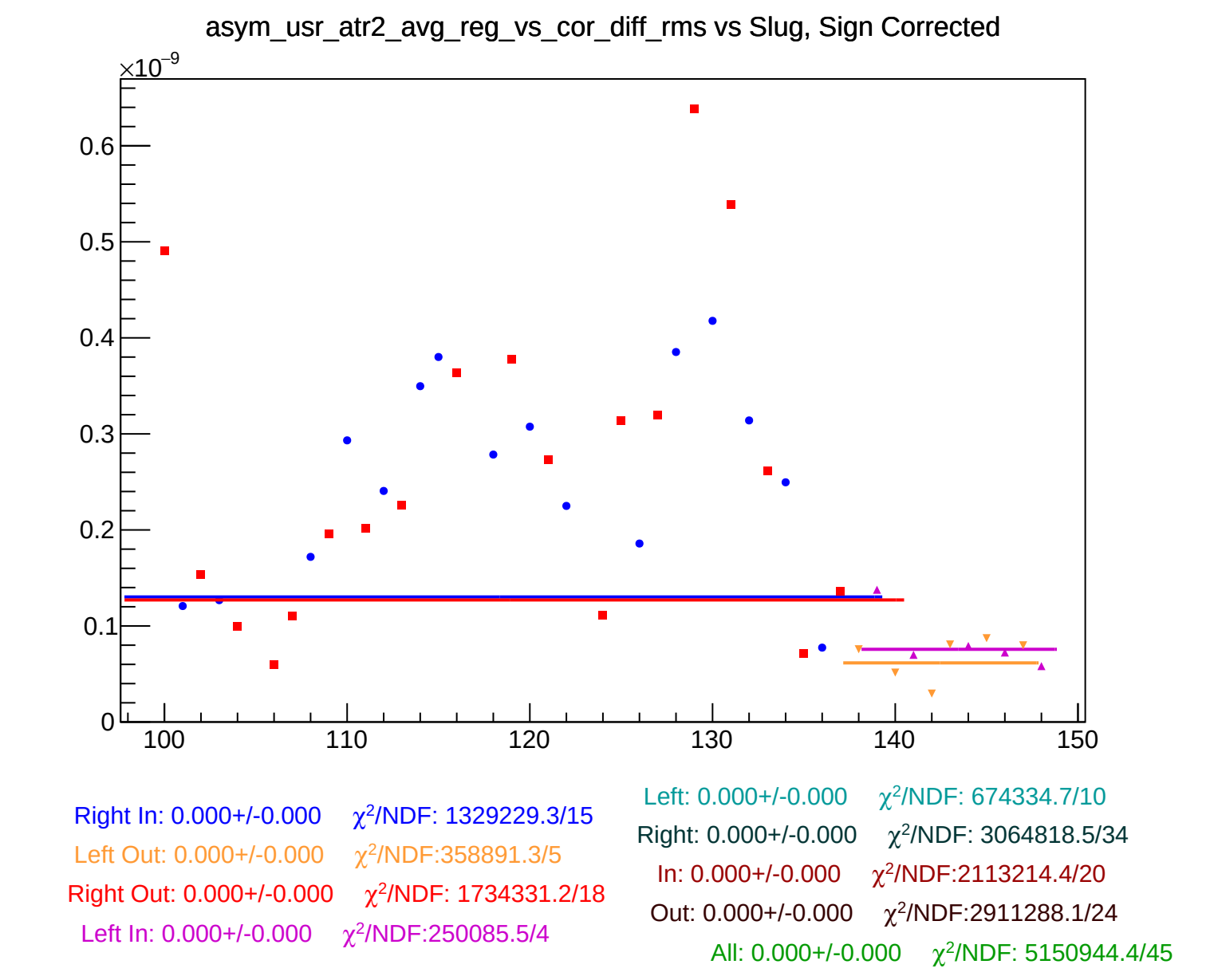
Left: -0.000+/-0.000 χ^2/NDF: 13.3/10

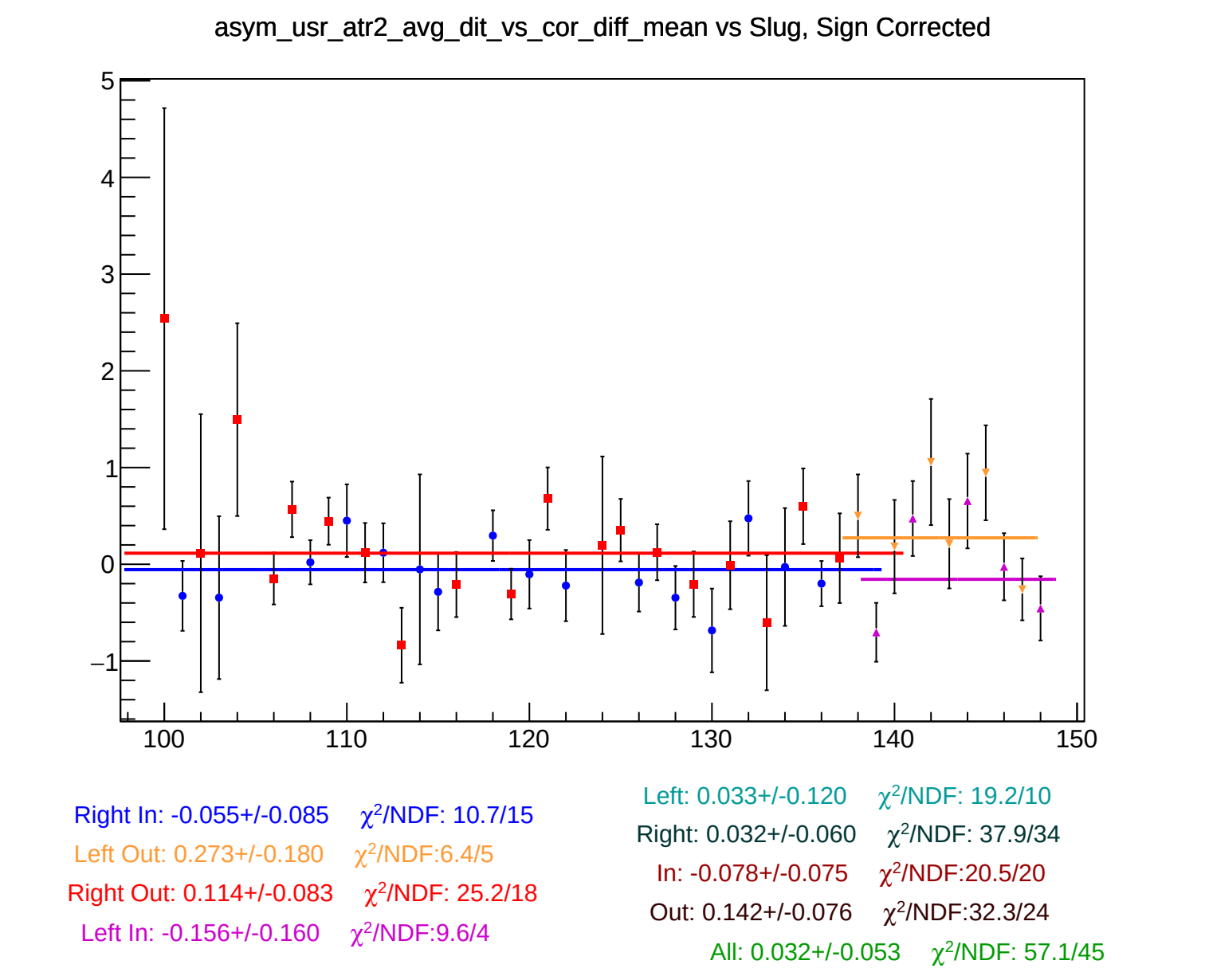
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

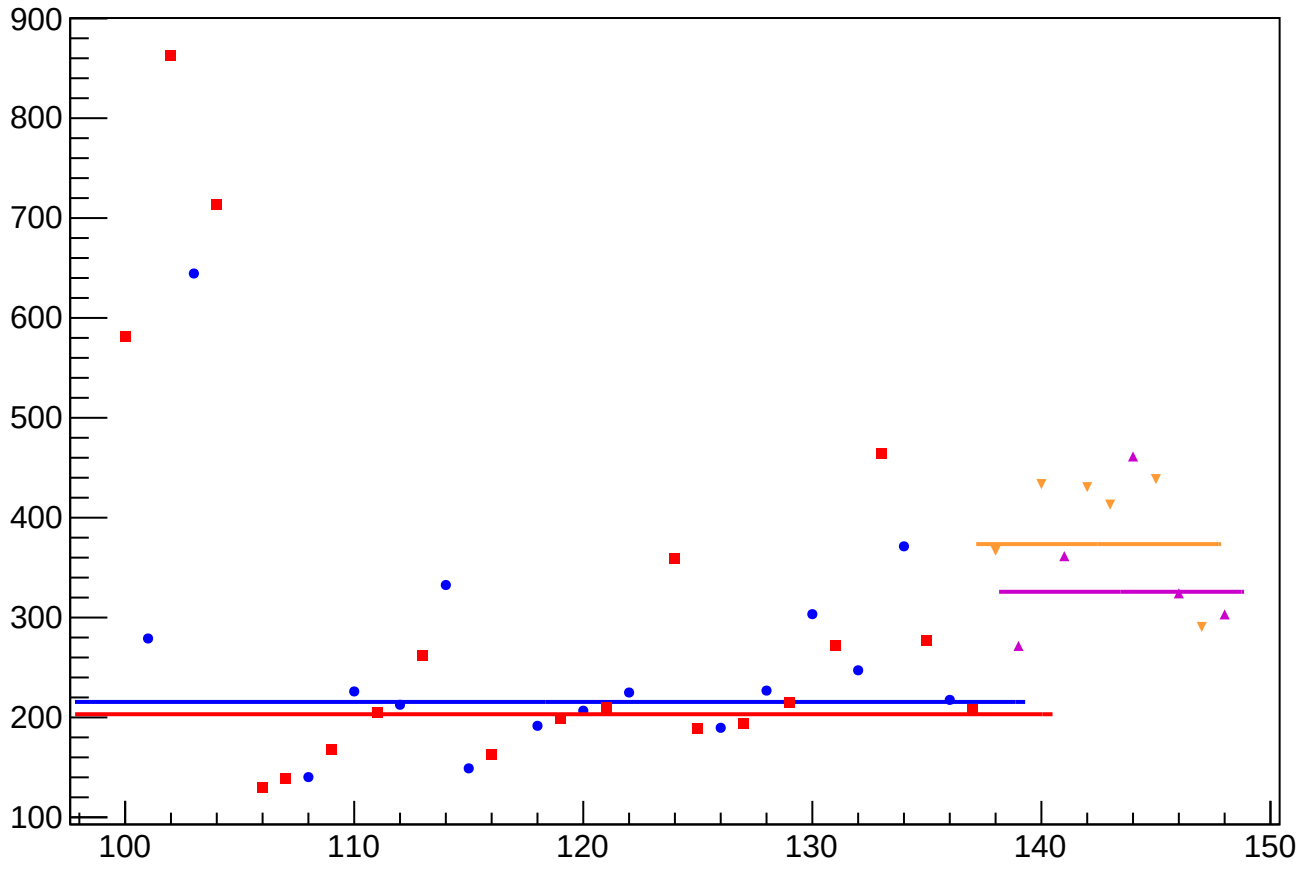
In: -0.000+/-0.000 χ^2/NDF:25.3/20

Out: 0.000+/-0.000 χ^2/NDF:30.4/24

All: 0.000+/-0.000 χ^2/NDF: 57.7/45


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:358891.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:250085.5/4
Left: 0.000+/-0.000 χ²/NDF: 674334.7/10
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2113214.4/20
Out: 0.000+/-0.000 χ²/NDF:2911288.1/24
All: 0.000+/-0.000 χ²/NDF: 5150944.4/45


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.273+/-0.180 χ²/NDF:6.4/5
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.156+/-0.160 χ²/NDF:9.6/4
Left: 0.033+/-0.120 χ²/NDF: 19.2/10
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.078+/-0.075 χ²/NDF:20.5/20
Out: 0.142+/-0.076 χ²/NDF:32.3/24
All: 0.032+/-0.053 χ²/NDF: 57.1/45



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 373.574+/-0.128 χ^2/NDF:230844.2/5

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

Left: 346.836+/-0.085 χ^2/NDF: 552307.5/10

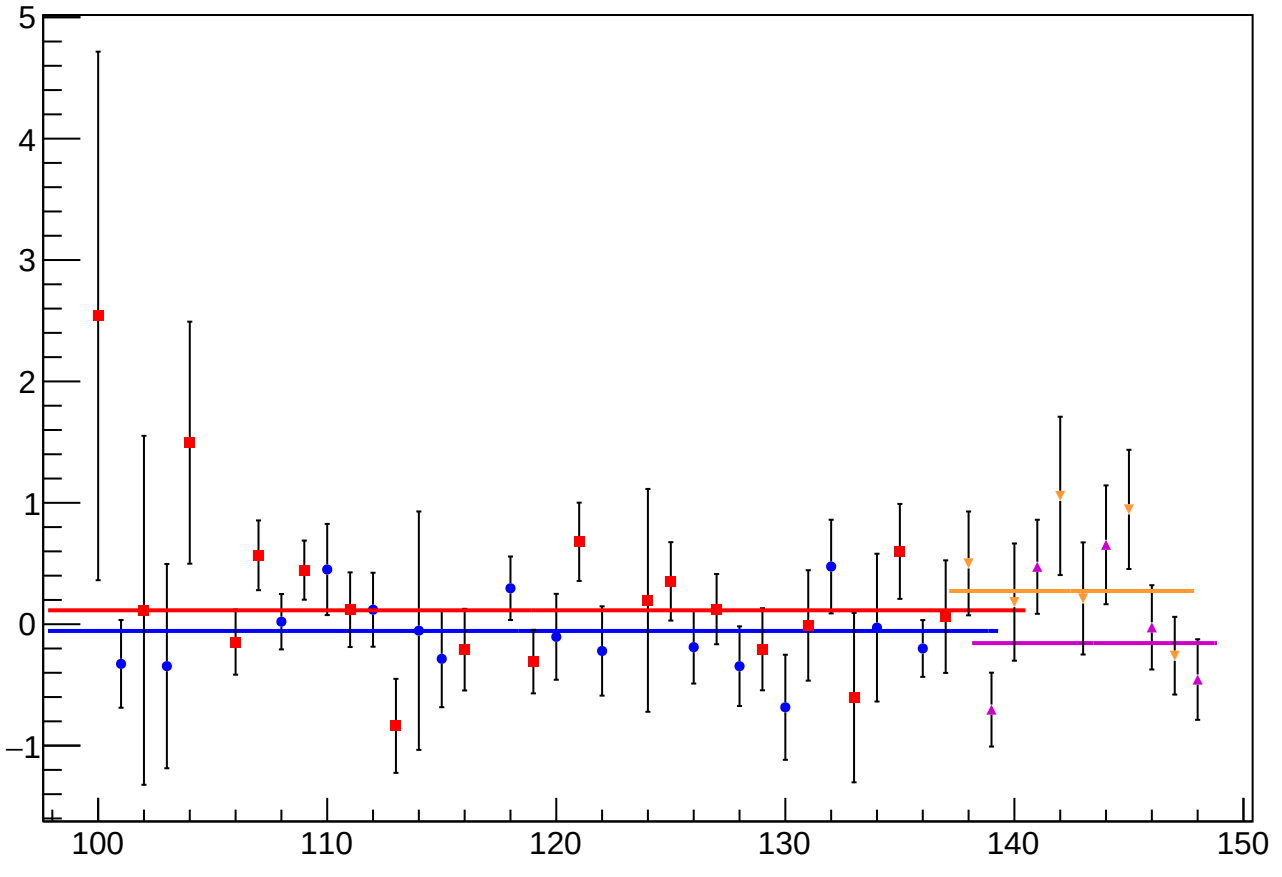
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 239.980+/-0.053 χ^2/NDF:2130233.8/20

Out: 233.082+/-0.053 χ^2/NDF:3536351.2/24

All: 236.539+/-0.038 χ^2/NDF: 5674936.3/45

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: 0.273+/-0.180 χ^2/NDF:6.4/5

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

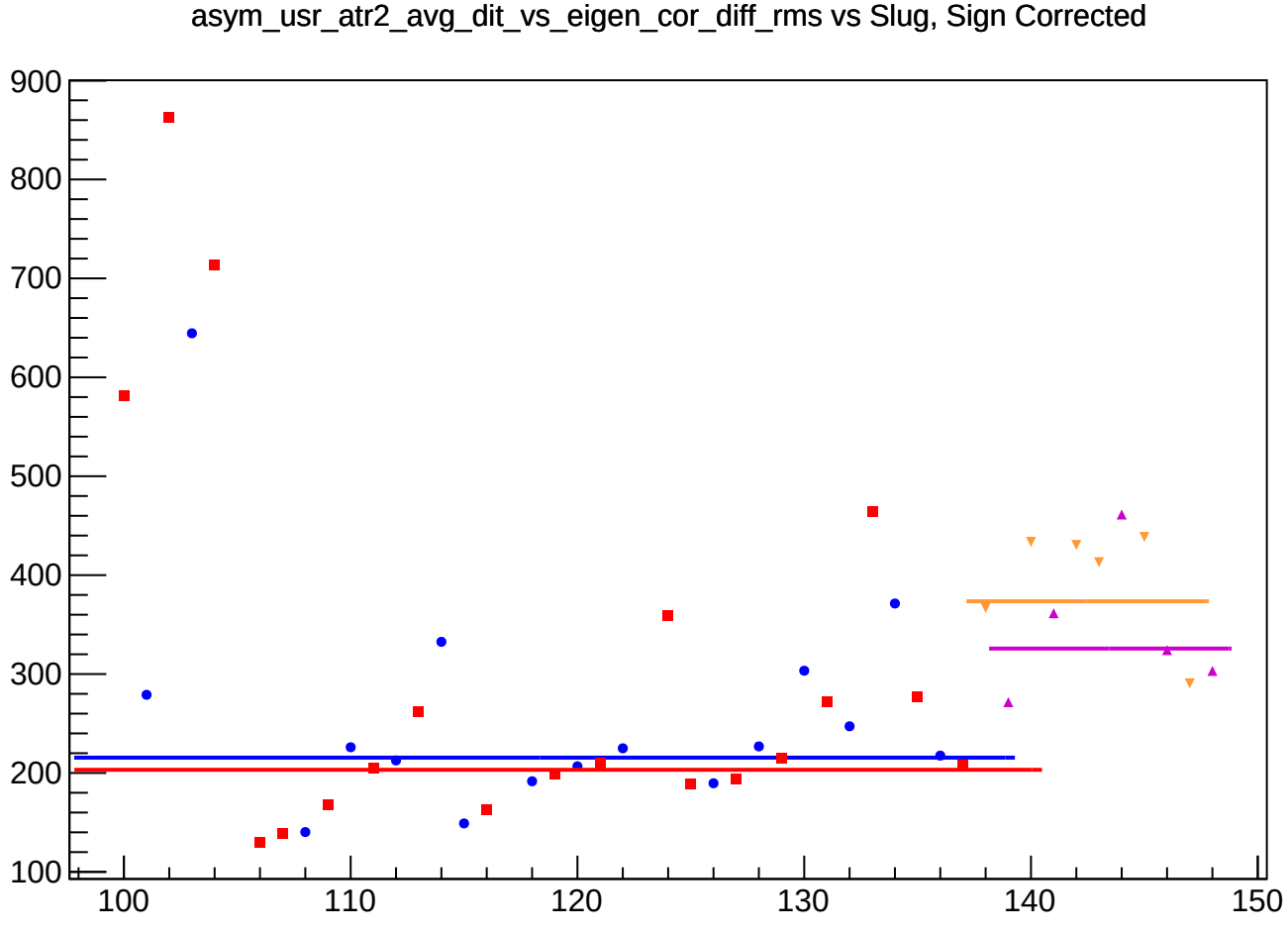
Left: 0.033+/-0.120 χ^2/NDF: 19.2/10

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.142+/-0.076 χ^2/NDF:32.3/24

All: 0.032+/-0.053 χ^2/NDF: 57.1/45



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 373.574+/-0.128 χ^2/NDF:230844.2/5

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

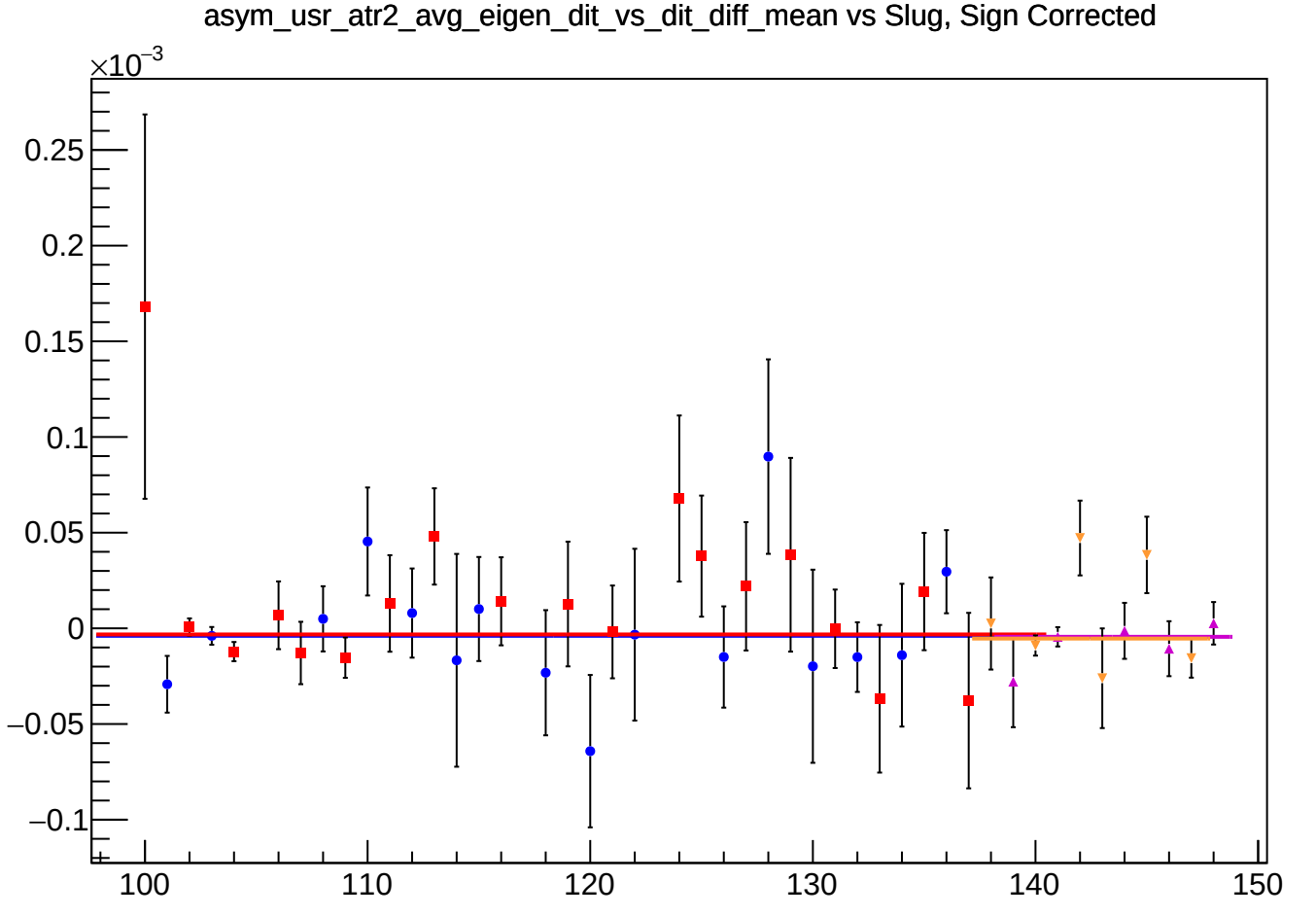
Left: 346.836+/-0.085 χ^2/NDF: 552307.5/10

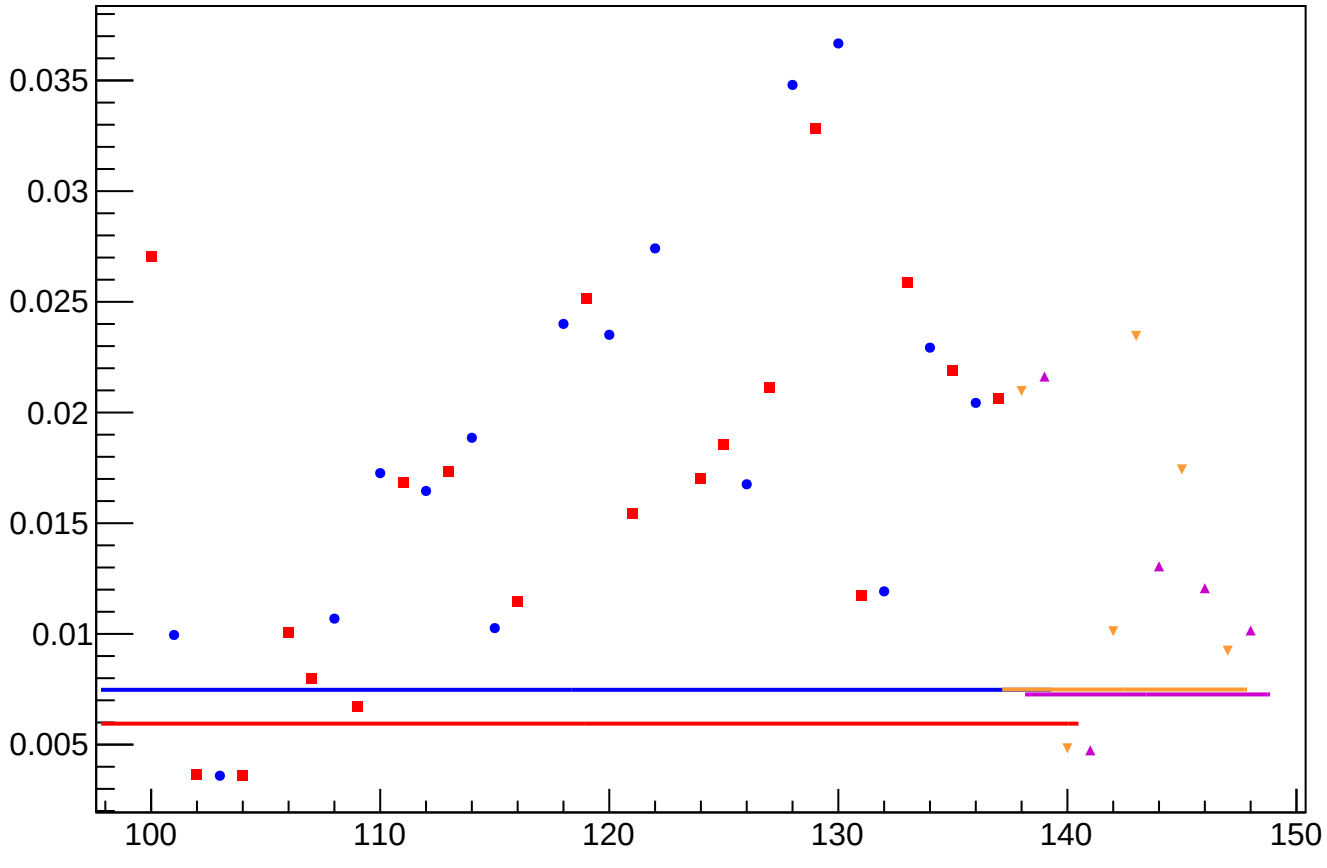
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 239.980+/-0.053 χ^2/NDF:2130233.8/20

Out: 233.082+/-0.053 χ^2/NDF:3536351.2/24

All: 236.539+/-0.038 χ^2/NDF: 5674936.3/45


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
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:14.3/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:1.6/4
Left: -0.000+/-0.000 χ²/NDF: 15.9/10
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:17.6/20
Out: -0.000+/-0.000 χ²/NDF:36.1/24
All: -0.000+/-0.000 χ²/NDF: 53.6/45



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2478768.7/5

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1900337.4/4

Left: 0.007+/-0.000 χ^2/NDF: 4381893.7/10

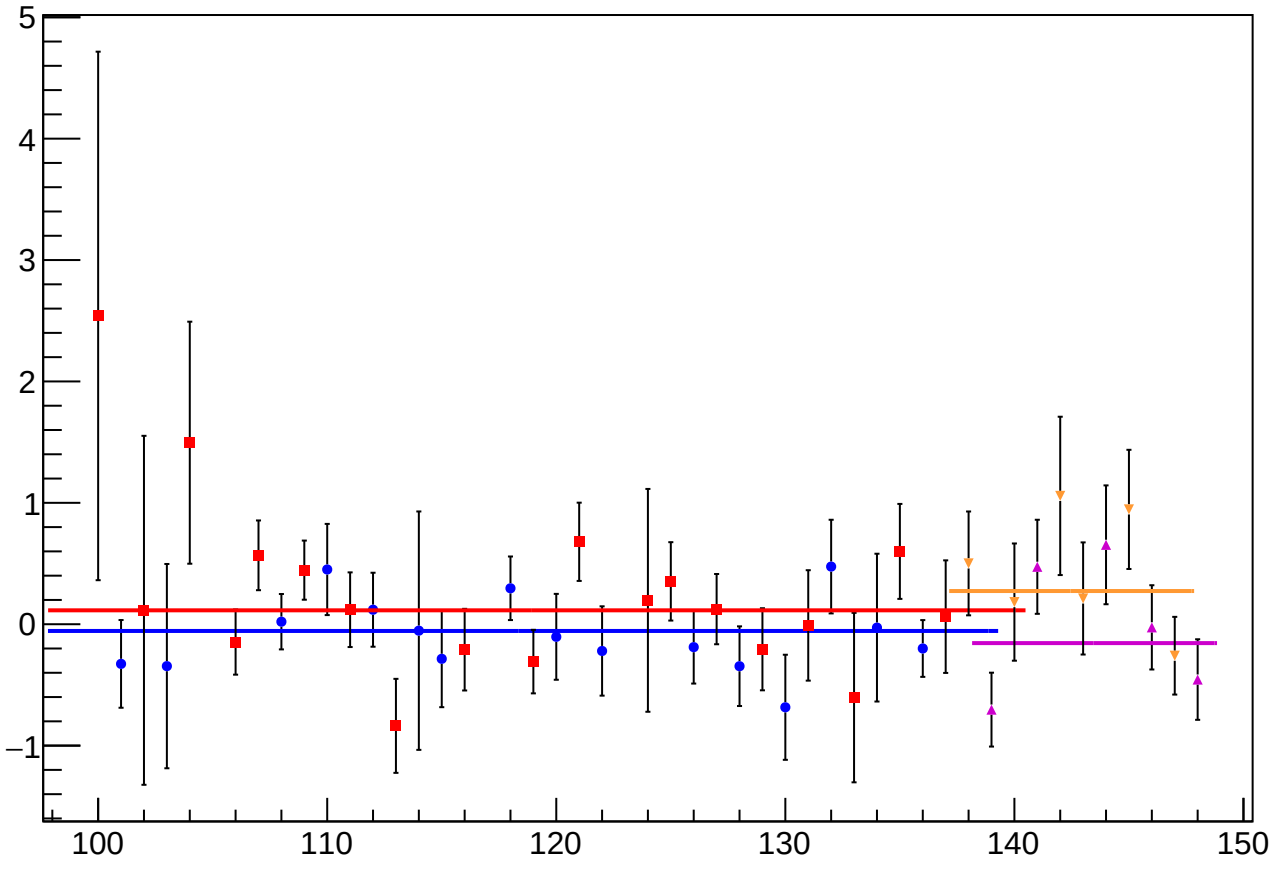
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:7979319.0/20

Out: 0.006+/-0.000 χ^2/NDF:8589466.9/24

All: 0.007+/-0.000 χ^2/NDF: 16702405.5/45

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: 0.273+/-0.180 χ^2/NDF:6.4/5

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

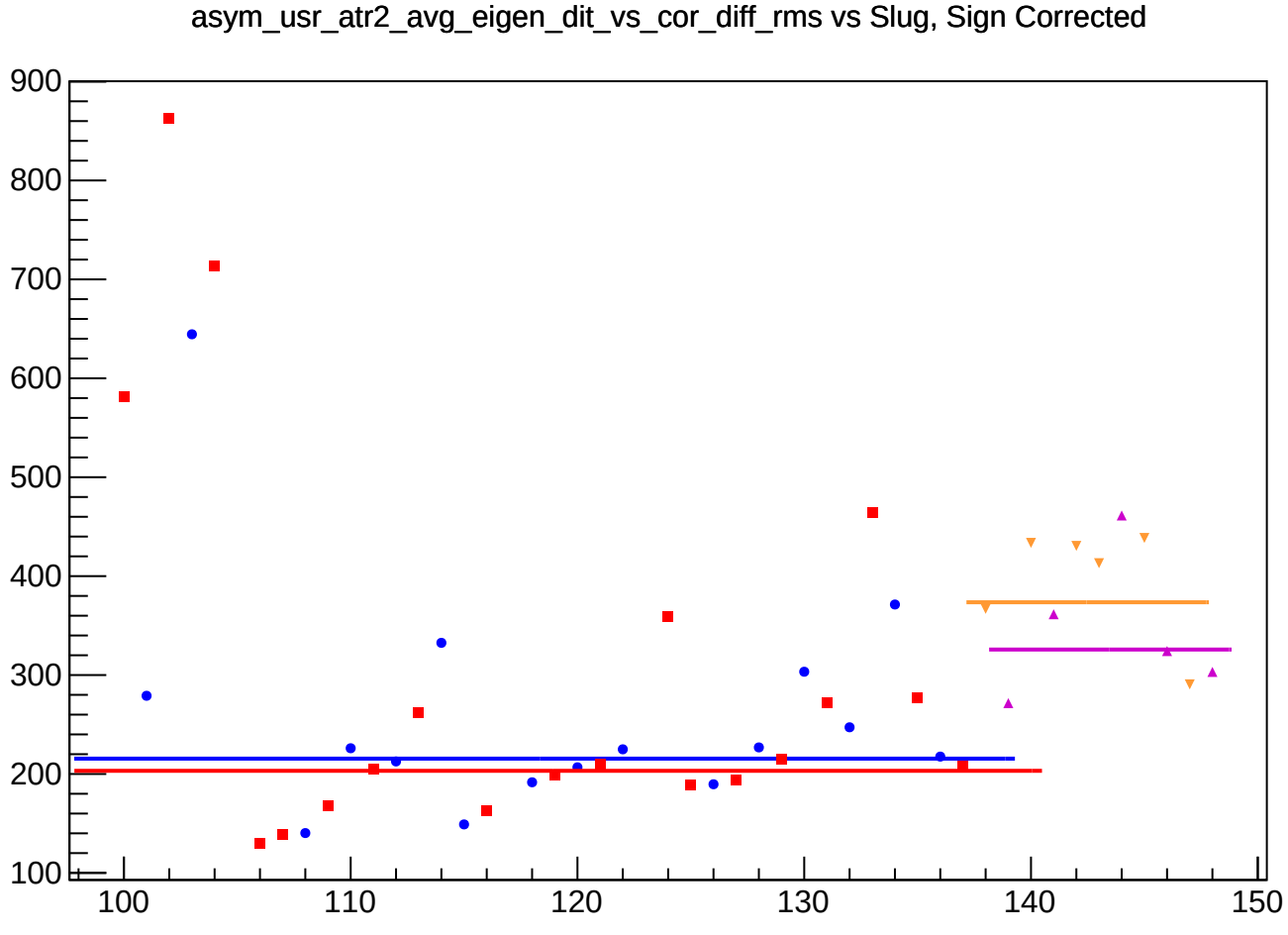
Left: 0.033+/-0.120 χ^2/NDF: 19.2/10

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.142+/-0.076 χ^2/NDF:32.3/24

All: 0.032+/-0.053 χ^2/NDF: 57.1/45



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 373.579+/-0.128 χ^2/NDF:230836.5/5

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

Left: 346.841+/-0.085 χ^2/NDF: 552288.0/10

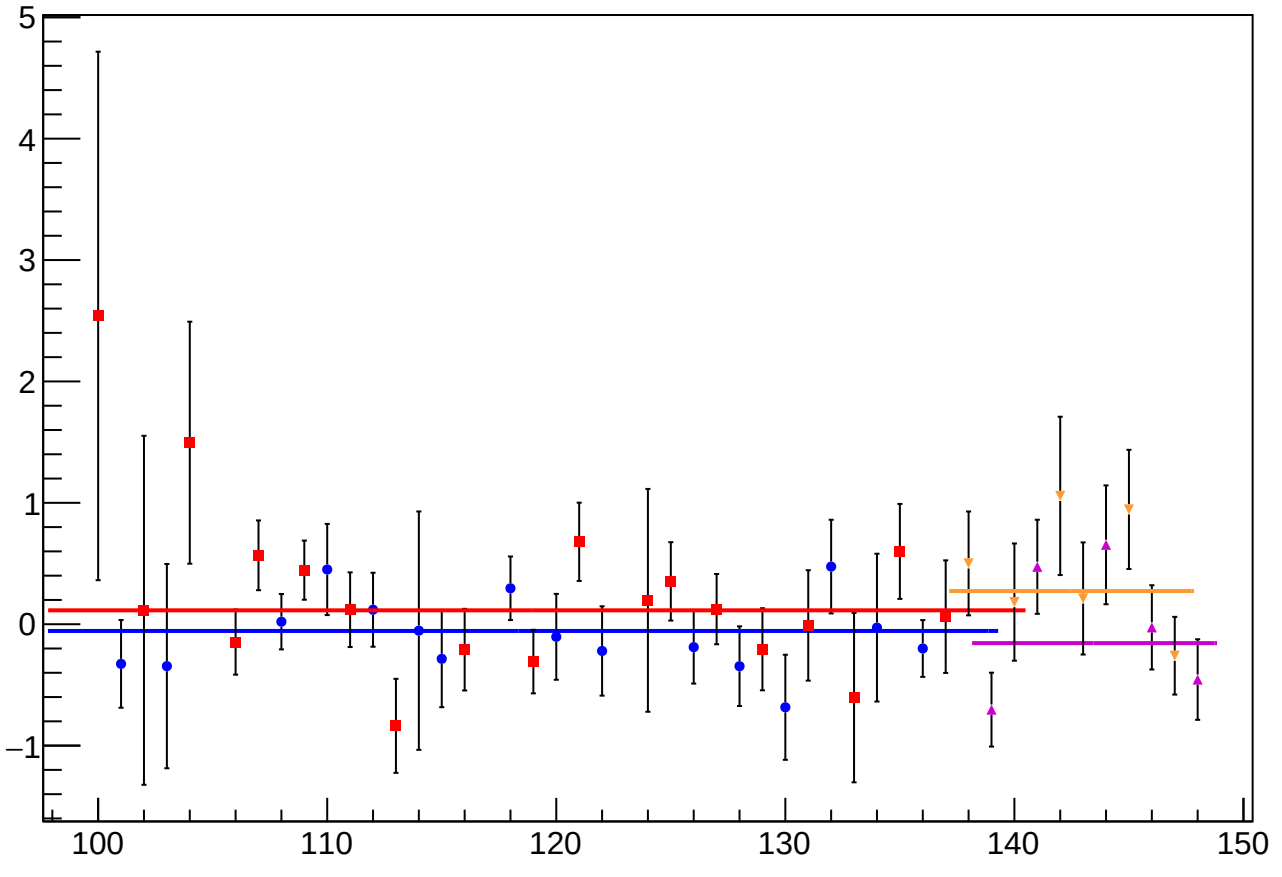
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 239.979+/-0.053 χ^2/NDF:2130263.5/20

Out: 233.080+/-0.053 χ^2/NDF:3536411.2/24

All: 236.538+/-0.038 χ^2/NDF: 5675027.7/45

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: 0.273+/-0.180 χ^2/NDF:6.4/5

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

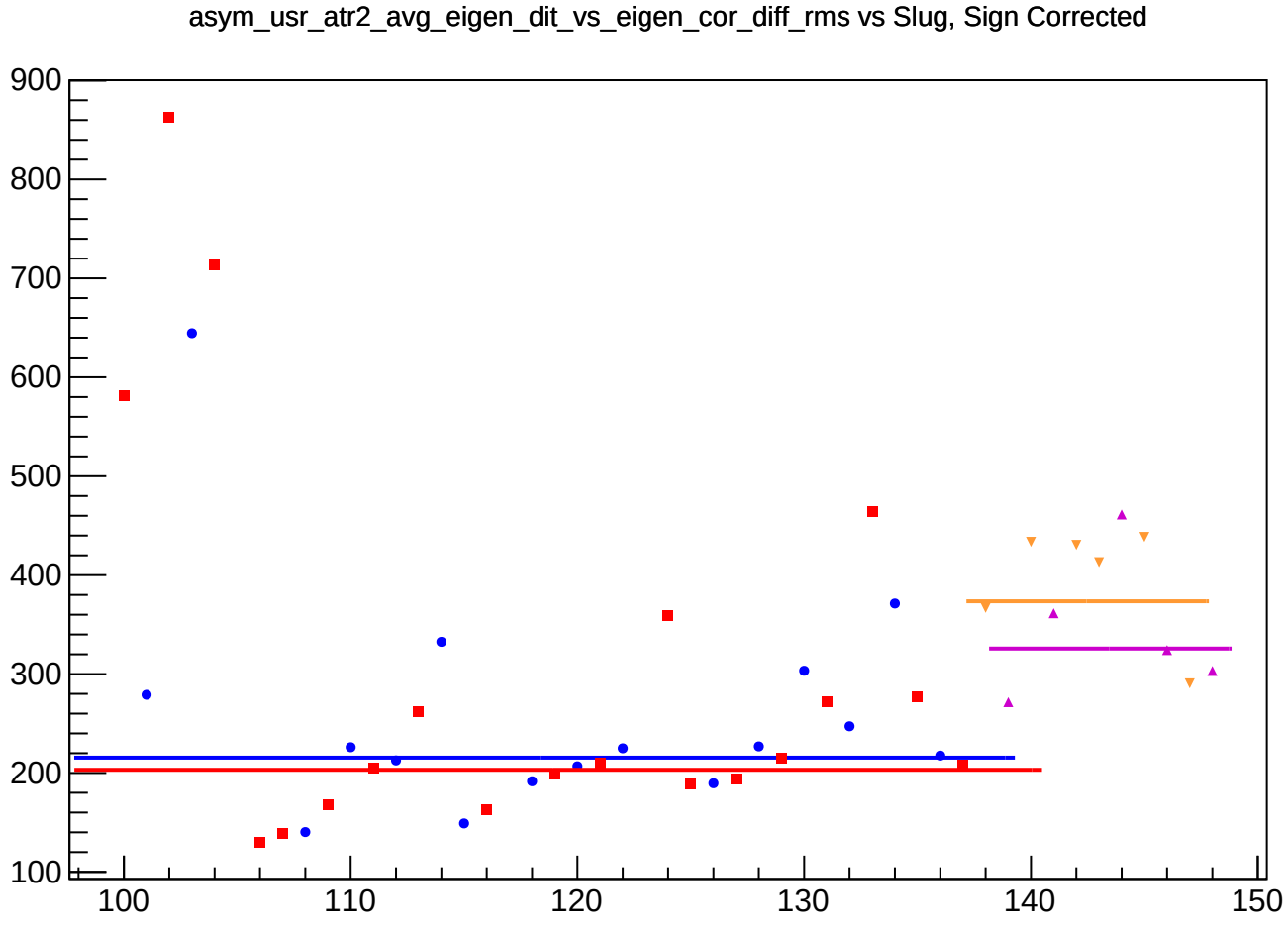
Left: 0.033+/-0.120 χ^2/NDF: 19.2/10

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.142+/-0.076 χ^2/NDF:32.3/24

All: 0.032+/-0.053 χ^2/NDF: 57.1/45



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 373.579+/-0.128 χ^2/NDF:230836.5/5

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

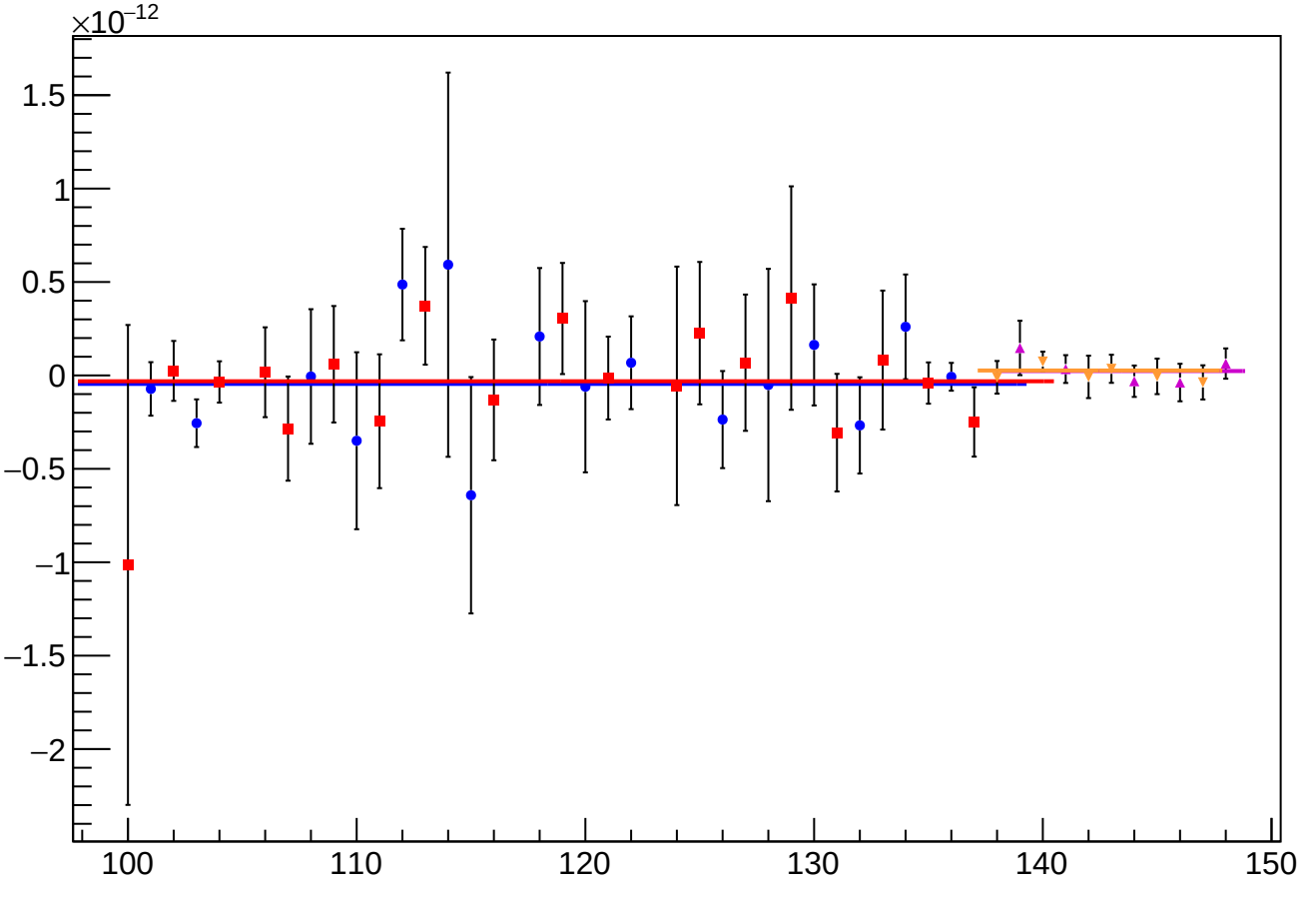
Left: 346.841+/-0.085 χ^2/NDF: 552288.0/10

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 239.979+/-0.053 χ^2/NDF:2130263.5/20

Out: 233.080+/-0.053 χ^2/NDF:3536411.2/24

All: 236.538+/-0.038 χ^2/NDF: 5675027.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

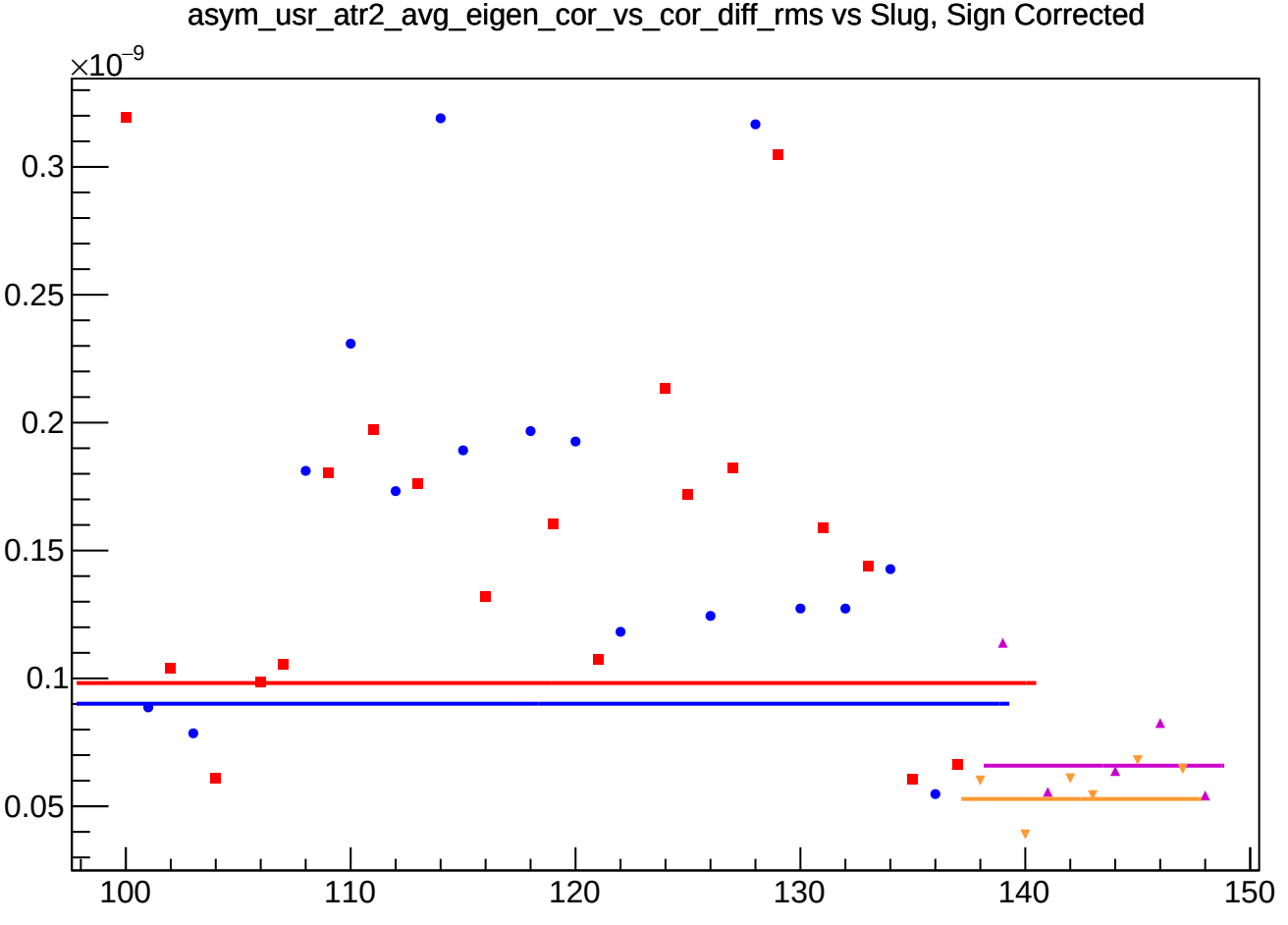
Left: 0.000+/-0.000 χ^2/NDF: 3.5/10

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:14.4/20

Out: 0.000+/-0.000 χ^2/NDF:10.9/24

All: 0.000+/-0.000 χ^2/NDF: 25.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:244414.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:353322.9/4

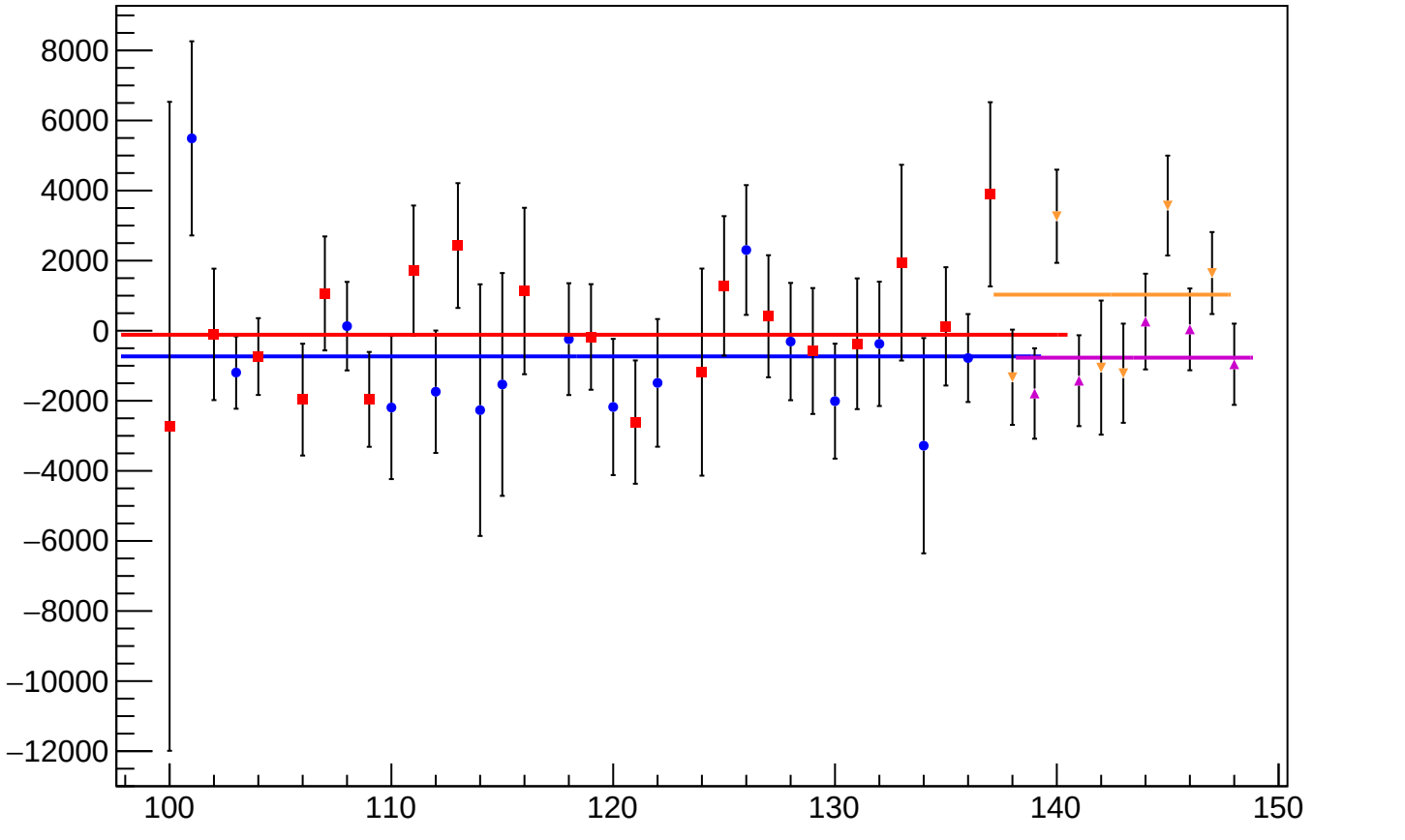
Left: 0.000+/-0.000 χ^2/NDF: 726087.2/10

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2446890.7/20

Out: 0.000+/-0.000 χ^2/NDF:3037048.1/24

All: 0.000+/-0.000 χ^2/NDF: 5600712.5/45



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1029.797+/-567.828 χ^2/NDF:13.0/5

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -769.175+/-558.260 χ^2/NDF:2.0/4

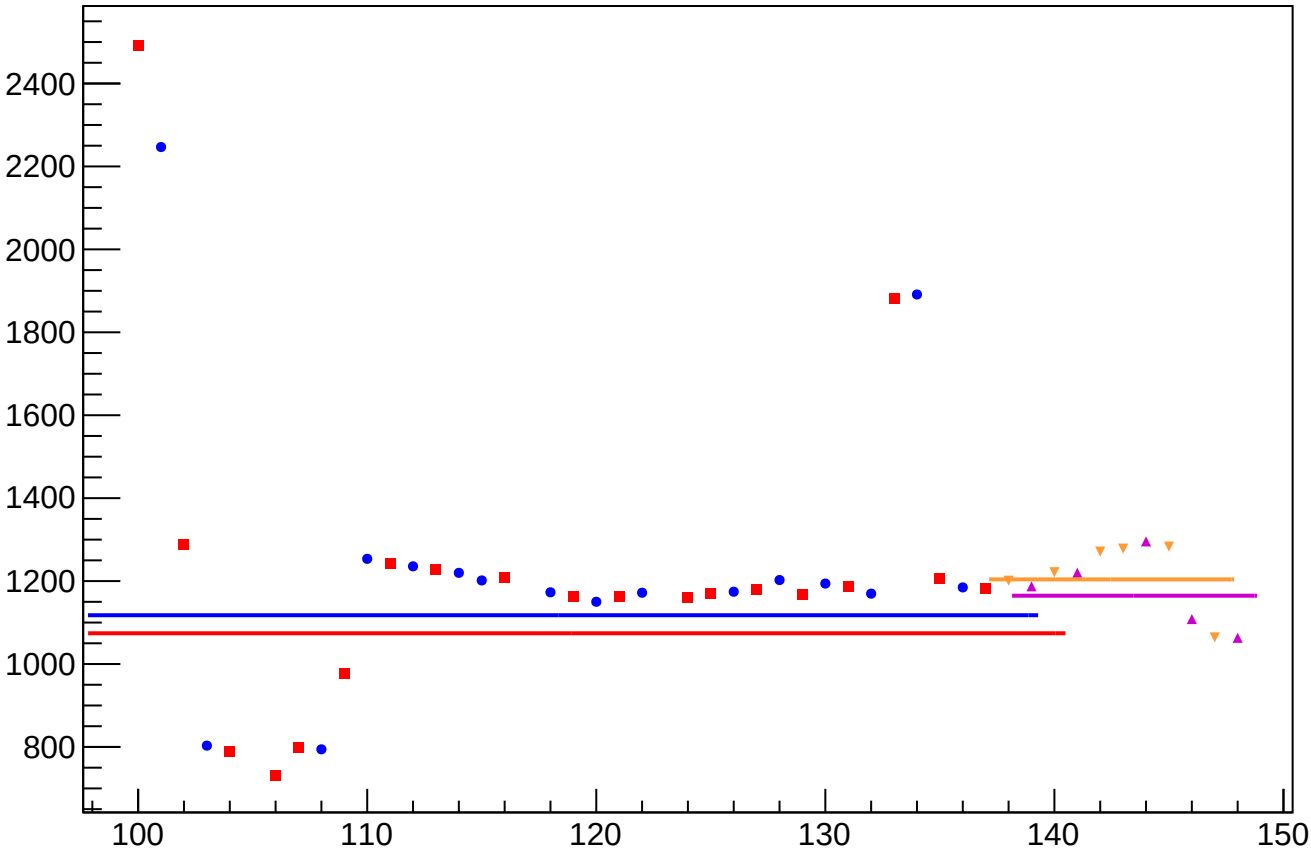
Left: 115.026+/-398.089 χ^2/NDF: 20.1/10

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -746.208+/-339.355 χ^2/NDF:13.7/20

Out: 279.092+/-333.170 χ^2/NDF:28.8/24

All: -224.129+/-237.744 χ^2/NDF: 47.1/45



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

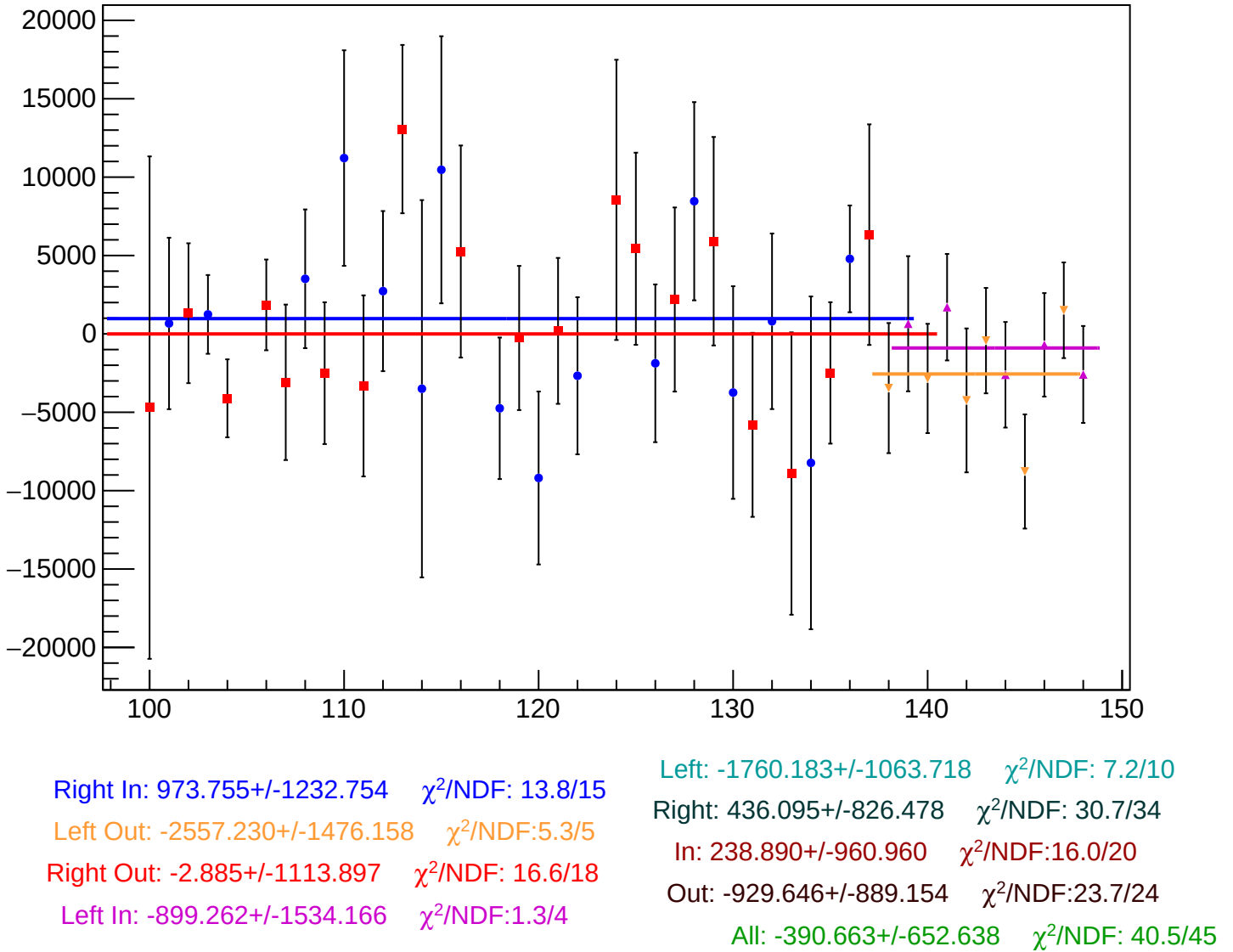
Left: 1184.093+/-0.281 χ^2/NDF: 90564.9/10

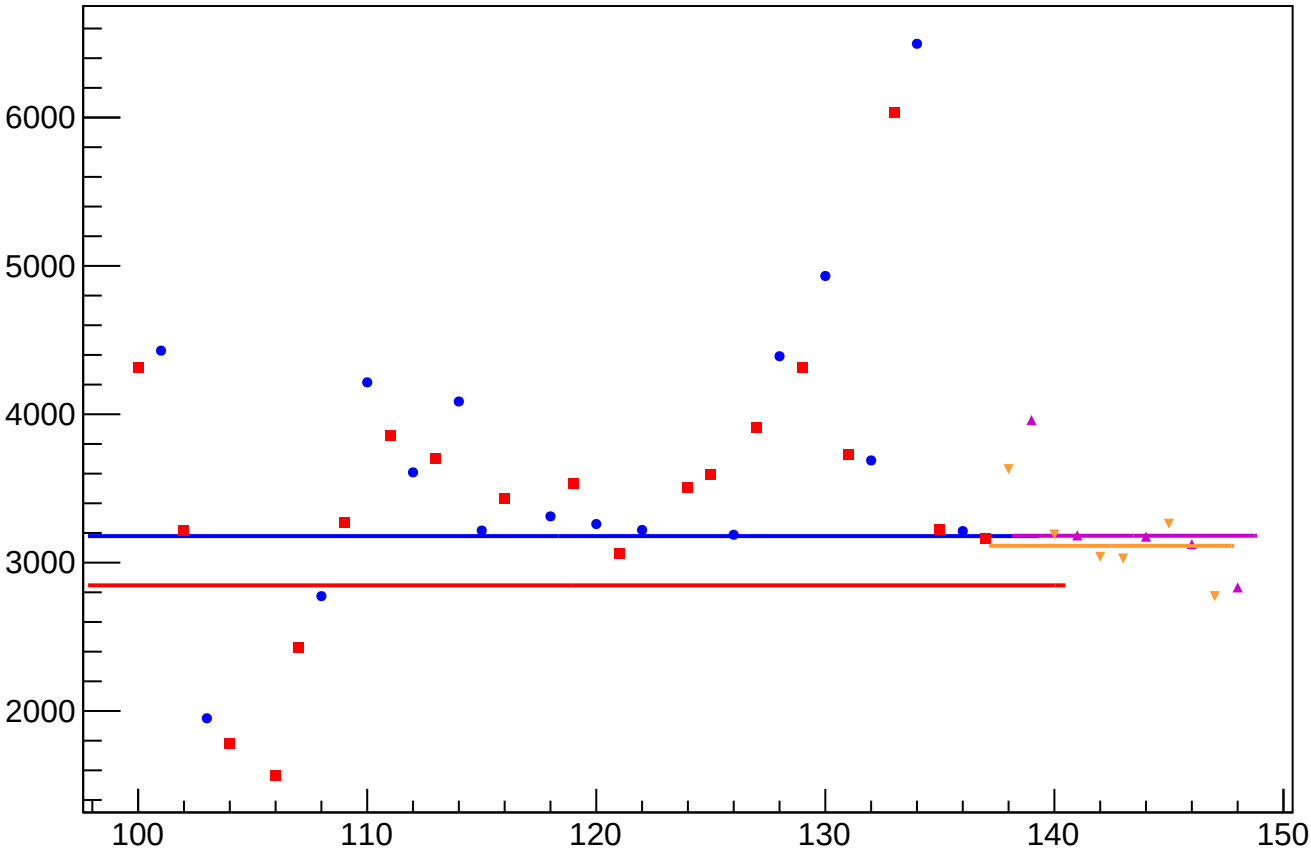
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1135.072+/-0.240 χ^2/NDF:871441.2/20

Out: 1118.405+/-0.234 χ^2/NDF:761633.9/24

All: 1126.540+/-0.168 χ^2/NDF: 1635544.9/45


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -2557.230+/-1476.158 χ²/NDF:5.3/5
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -899.262+/-1534.166 χ²/NDF:1.3/4
Left: -1760.183+/-1063.718 χ²/NDF: 7.2/10
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 238.890+/-960.960 χ²/NDF:16.0/20
Out: -929.646+/-889.154 χ²/NDF:23.7/24
All: -390.663+/-652.638 χ²/NDF: 40.5/45



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3113.241+/-1.044 χ^2/NDF:61791.9/5

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3181.336+/-1.085 χ^2/NDF:91393.8/4

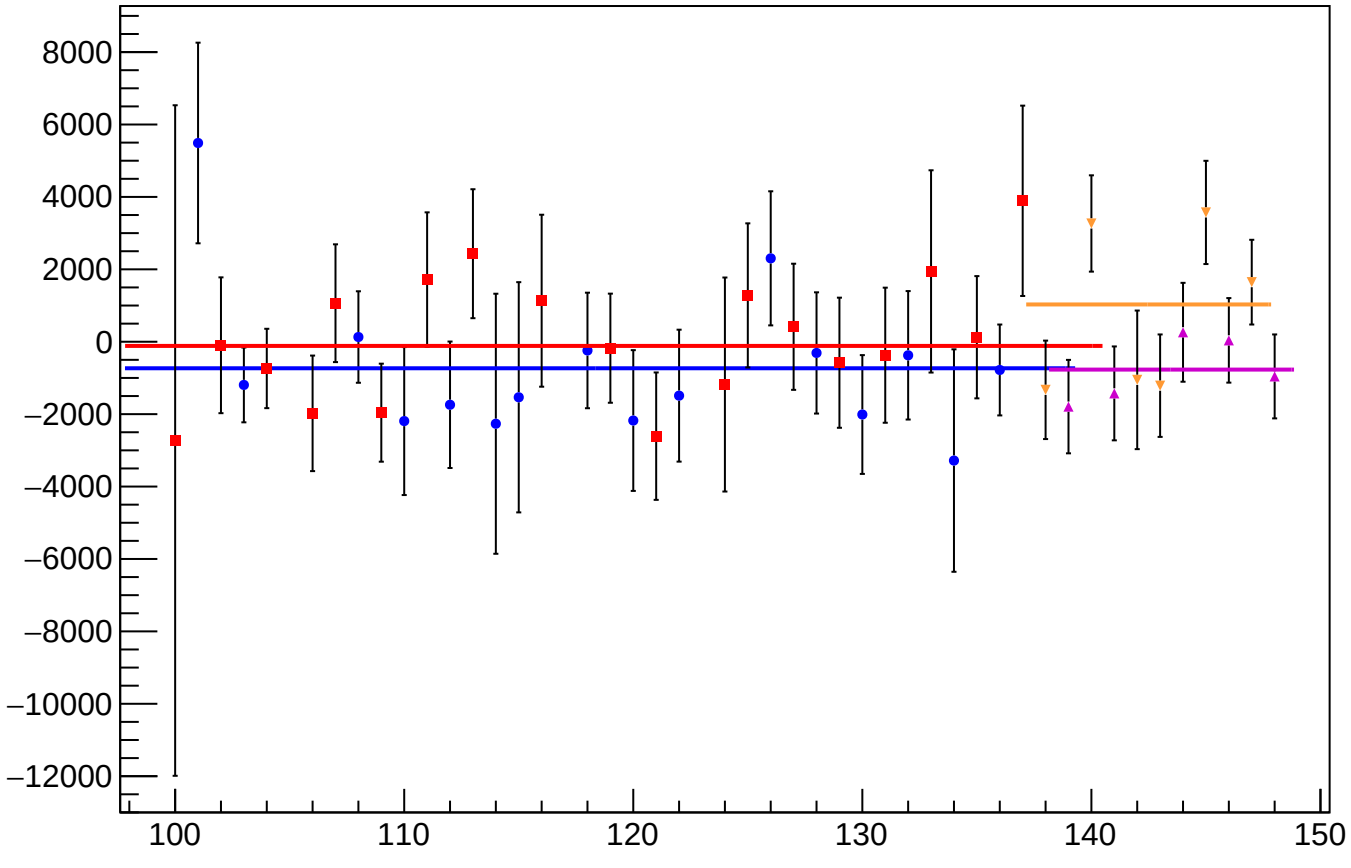
Left: 3145.977+/-0.752 χ^2/NDF: 155231.6/10

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3179.837+/-0.680 χ^2/NDF:1183073.8/20

Out: 2943.607+/-0.629 χ^2/NDF:1614403.0/24

All: 3052.568+/-0.461 χ^2/NDF: 2862591.7/45



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1029.794+/-567.828 χ^2/NDF:13.0/5

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -769.331+/-558.260 χ^2/NDF:2.0/4

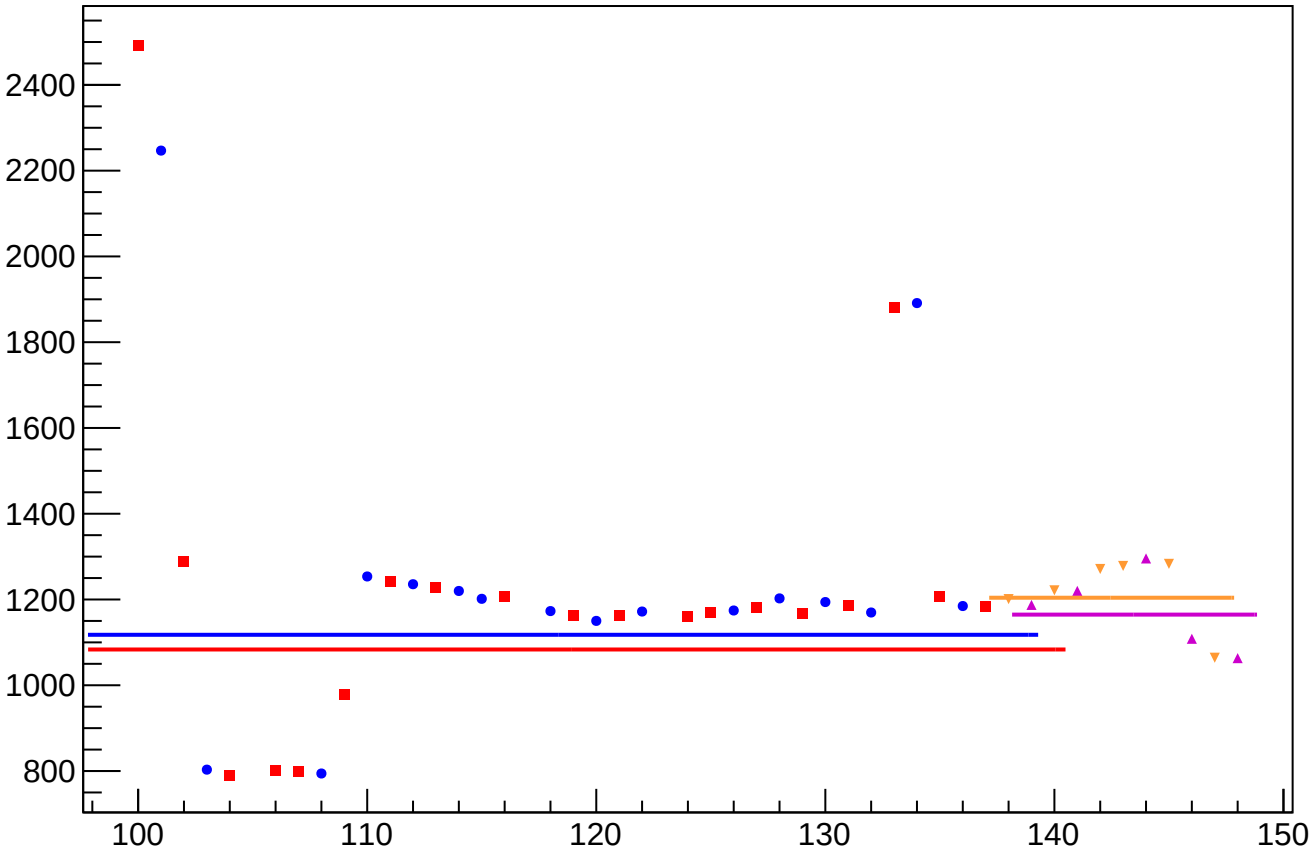
Left: 114.945+/-398.089 χ^2/NDF: 20.1/10

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -746.224+/-339.355 χ^2/NDF:13.7/20

Out: 278.921+/-333.173 χ^2/NDF:28.8/24

All: -224.228+/-237.744 χ^2/NDF: 47.1/45



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

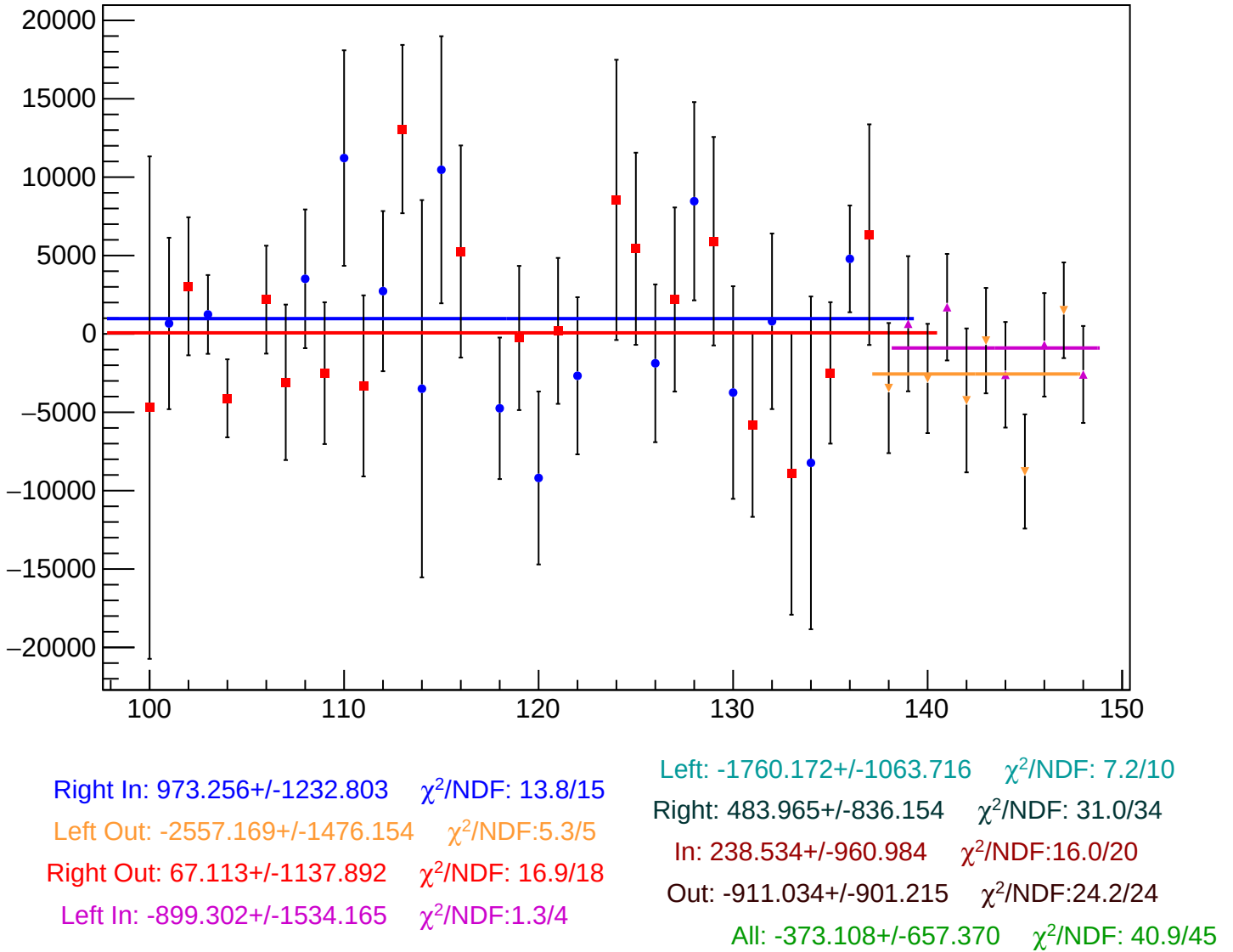
Left: 1184.093+/-0.281 χ^2/NDF: 90564.9/10

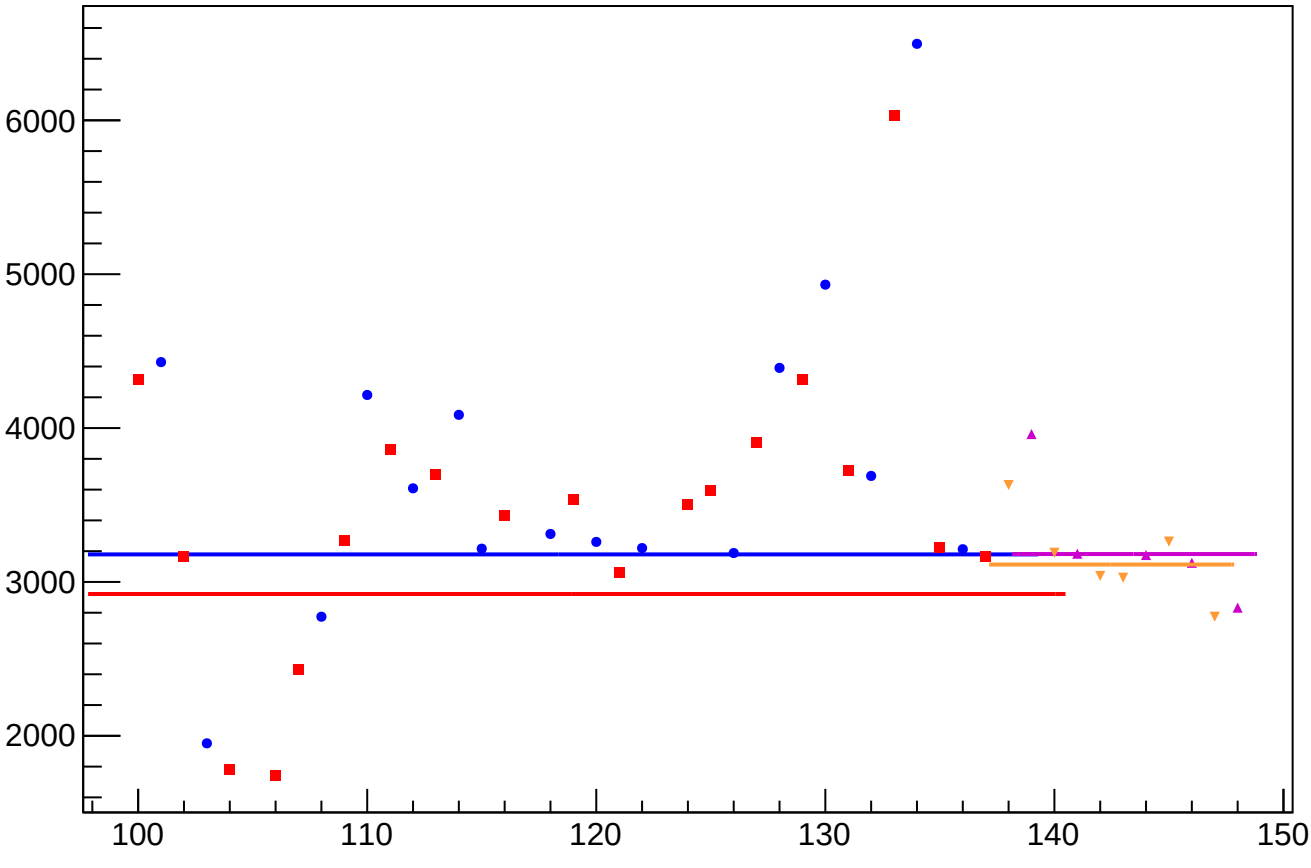
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

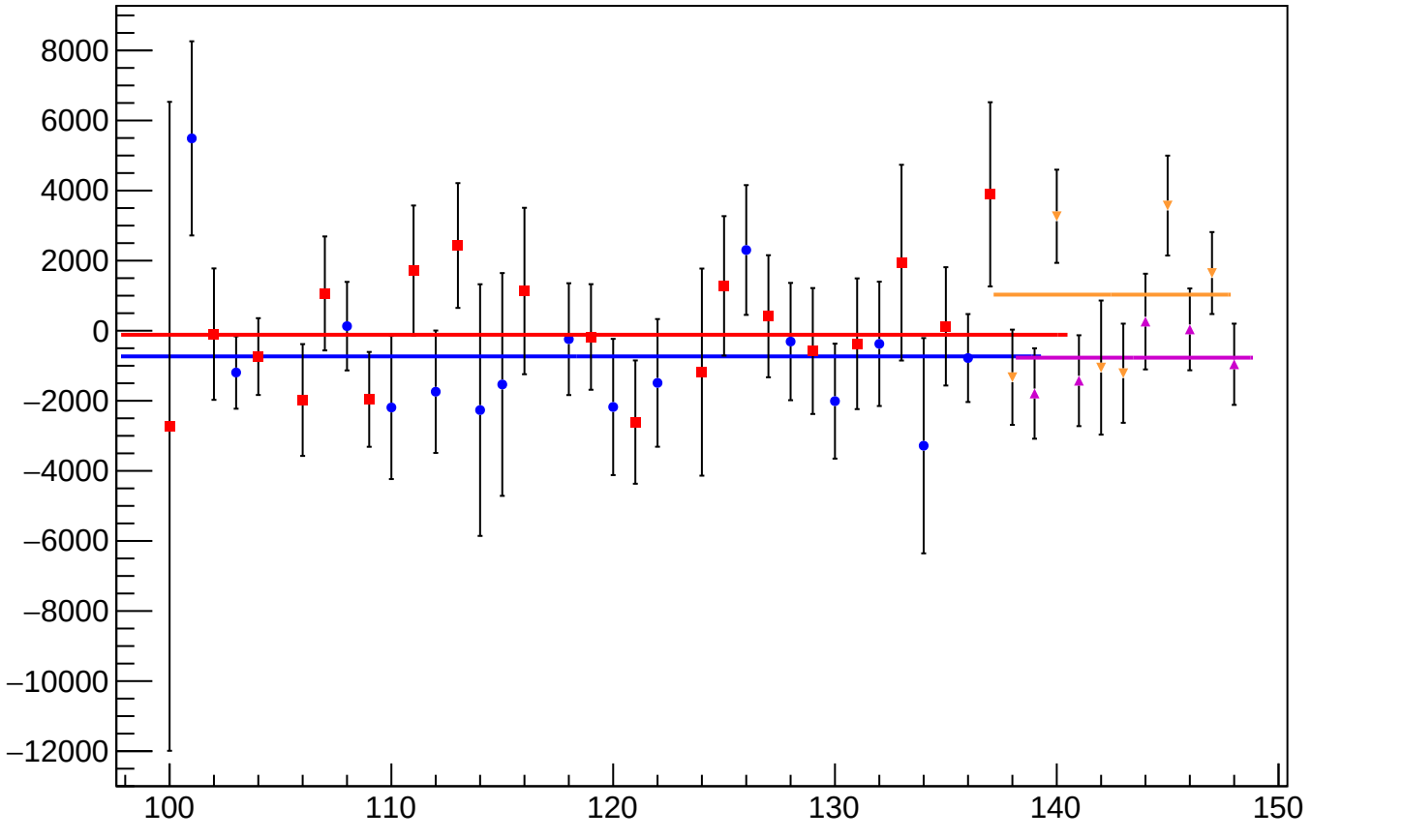
In: 1135.073+/-0.240 χ^2/NDF:871437.6/20

Out: 1124.868+/-0.235 χ^2/NDF:697373.7/24

All: 1129.870+/-0.168 χ^2/NDF: 1569733.4/45


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -2557.169+/-1476.154 χ²/NDF:5.3/5
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -899.302+/-1534.165 χ²/NDF:1.3/4
Left: -1760.172+/-1063.716 χ²/NDF: 7.2/10
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 238.534+/-960.984 χ²/NDF:16.0/20
Out: -911.034+/-901.215 χ²/NDF:24.2/24
All: -373.108+/-657.370 χ²/NDF: 40.9/45


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3113.232+/-1.044 χ²/NDF:61791.6/5
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3181.333+/-1.085 χ²/NDF:91394.4/4
Left: 3145.971+/-0.752 χ²/NDF: 155232.3/10
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3179.948+/-0.680 χ²/NDF:1182633.6/20
Out: 2993.053+/-0.637 χ²/NDF:1395815.3/24
All: 3080.508+/-0.465 χ²/NDF: 2618698.3/45



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1029.794+/-567.828 χ^2/NDF:13.0/5

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -769.331+/-558.260 χ^2/NDF:2.0/4

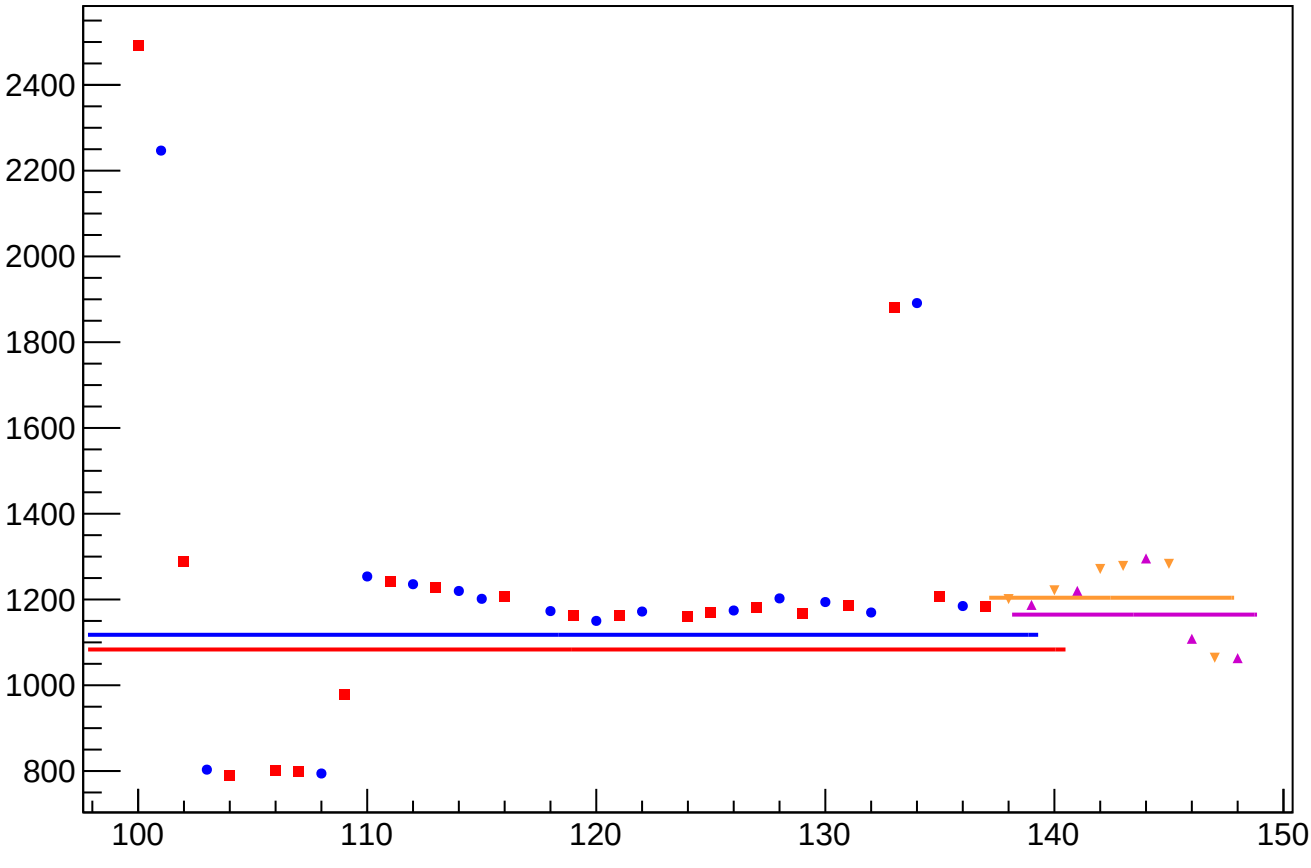
Left: 114.945+/-398.089 χ^2/NDF: 20.1/10

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -746.224+/-339.355 χ^2/NDF:13.7/20

Out: 278.921+/-333.173 χ^2/NDF:28.8/24

All: -224.228+/-237.744 χ^2/NDF: 47.1/45



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

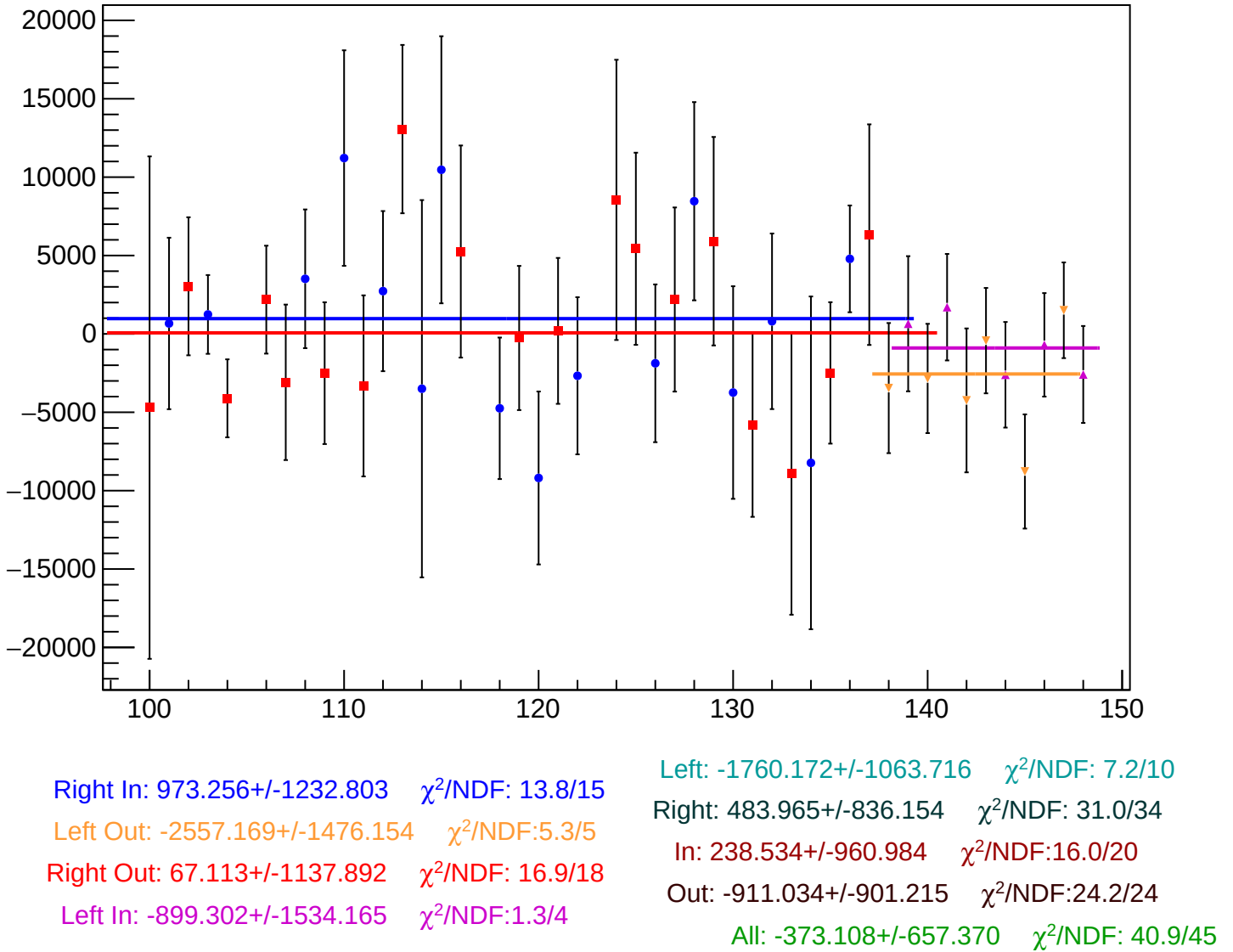
Left: 1184.093+/-0.281 χ^2/NDF: 90564.9/10

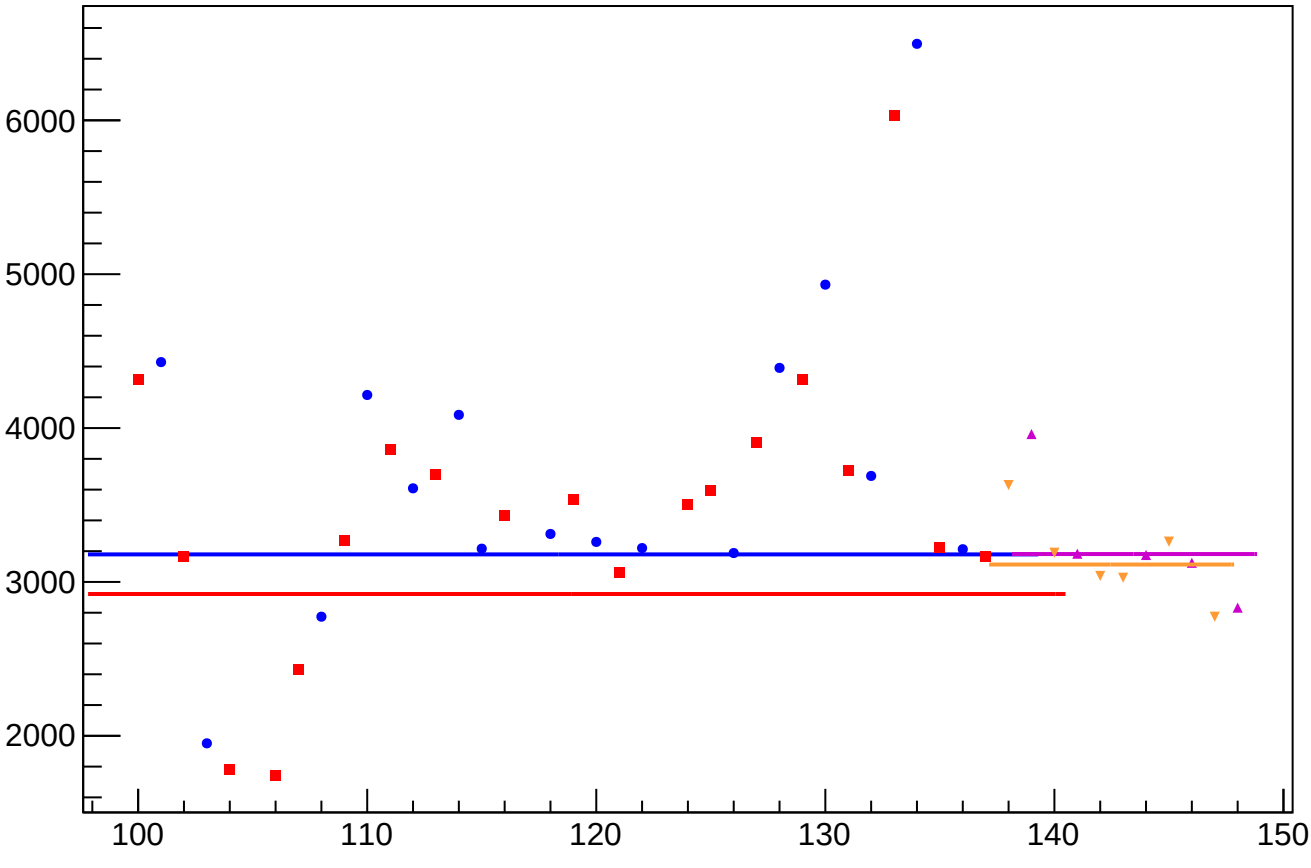
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

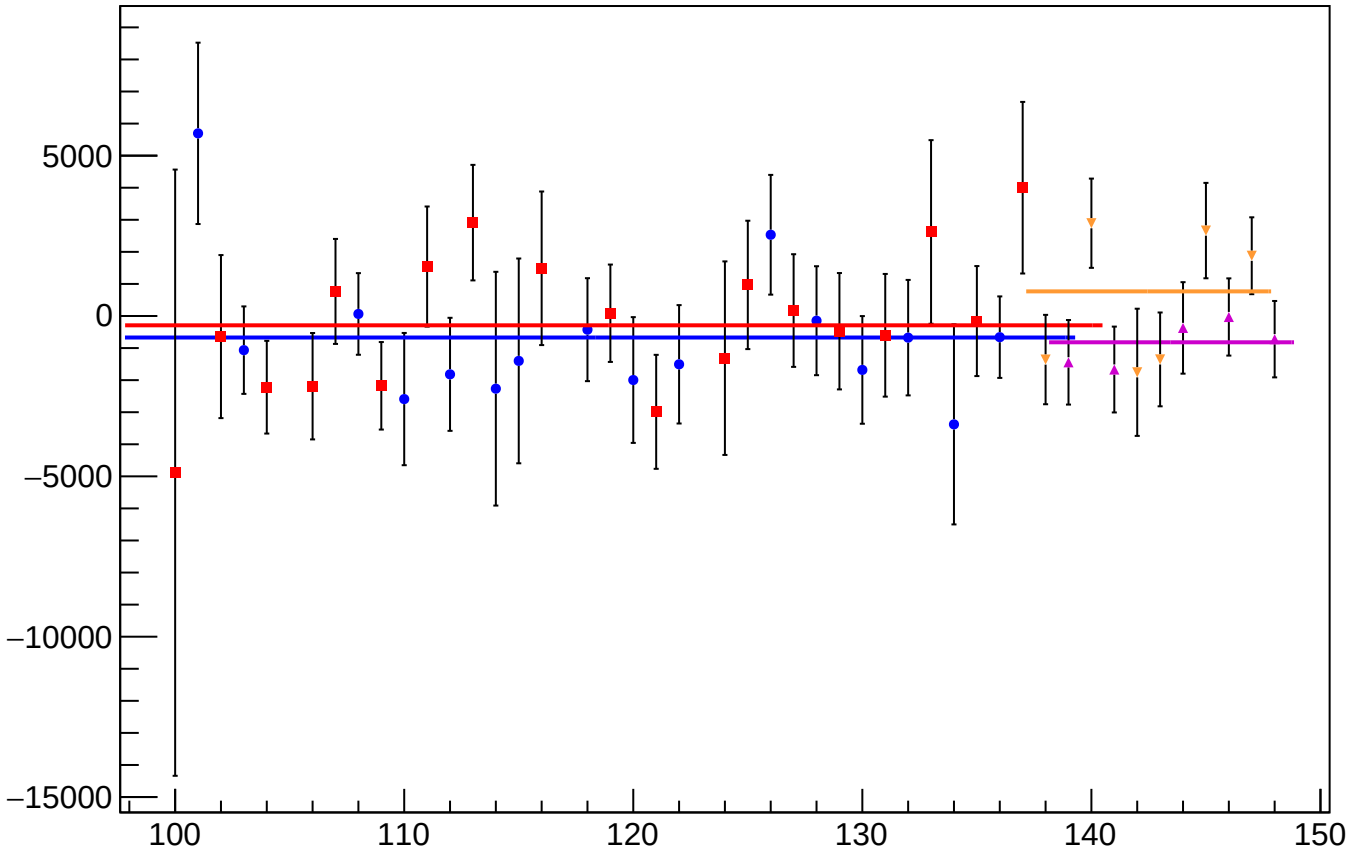
In: 1135.073+/-0.240 χ^2/NDF:871437.6/20

Out: 1124.868+/-0.235 χ^2/NDF:697373.7/24

All: 1129.870+/-0.168 χ^2/NDF: 1569733.4/45


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -2557.169+/-1476.154 χ²/NDF:5.3/5
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -899.302+/-1534.165 χ²/NDF:1.3/4
Left: -1760.172+/-1063.716 χ²/NDF: 7.2/10
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 238.534+/-960.984 χ²/NDF:16.0/20
Out: -911.034+/-901.215 χ²/NDF:24.2/24
All: -373.108+/-657.370 χ²/NDF: 40.9/45


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3113.232+/-1.044 χ²/NDF:61791.6/5
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3181.333+/-1.085 χ²/NDF:91394.4/4
Left: 3145.971+/-0.752 χ²/NDF: 155232.3/10
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3179.948+/-0.680 χ²/NDF:1182633.6/20
Out: 2993.053+/-0.637 χ²/NDF:1395815.3/24
All: 3080.508+/-0.465 χ²/NDF: 2618698.3/45



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 767.790+/-587.131 χ^2/NDF:10.9/5

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -819.769+/-575.479 χ^2/NDF:1.2/4

Left: -41.899+/-410.983 χ^2/NDF: 15.8/10

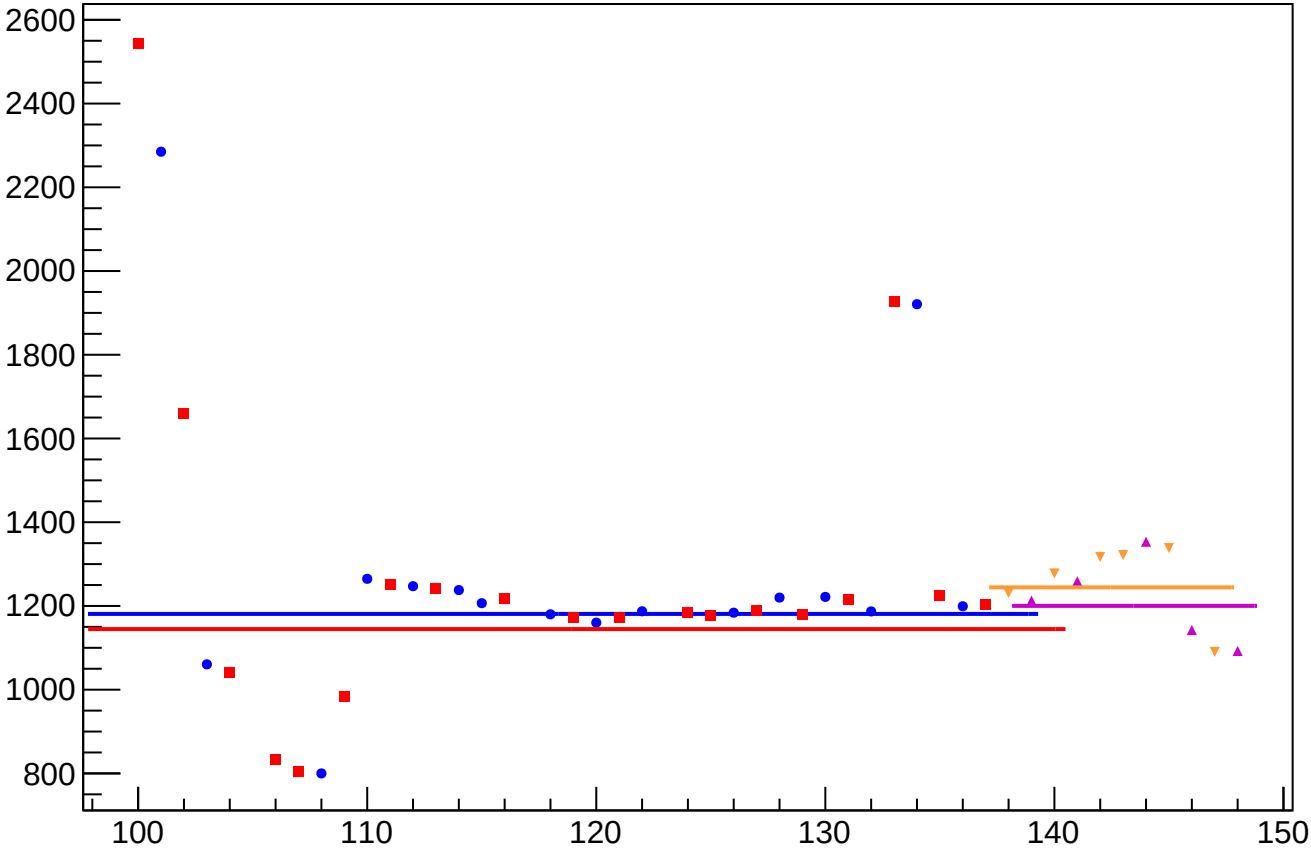
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -727.103+/-353.755 χ^2/NDF:13.1/20

Out: 84.027+/-349.224 χ^2/NDF:29.9/24

All: -316.310+/-248.525 χ^2/NDF: 45.6/45

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1244.391+/-0.415 χ^2/NDF:50567.6/5

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1200.177+/-0.407 χ^2/NDF:48054.5/4

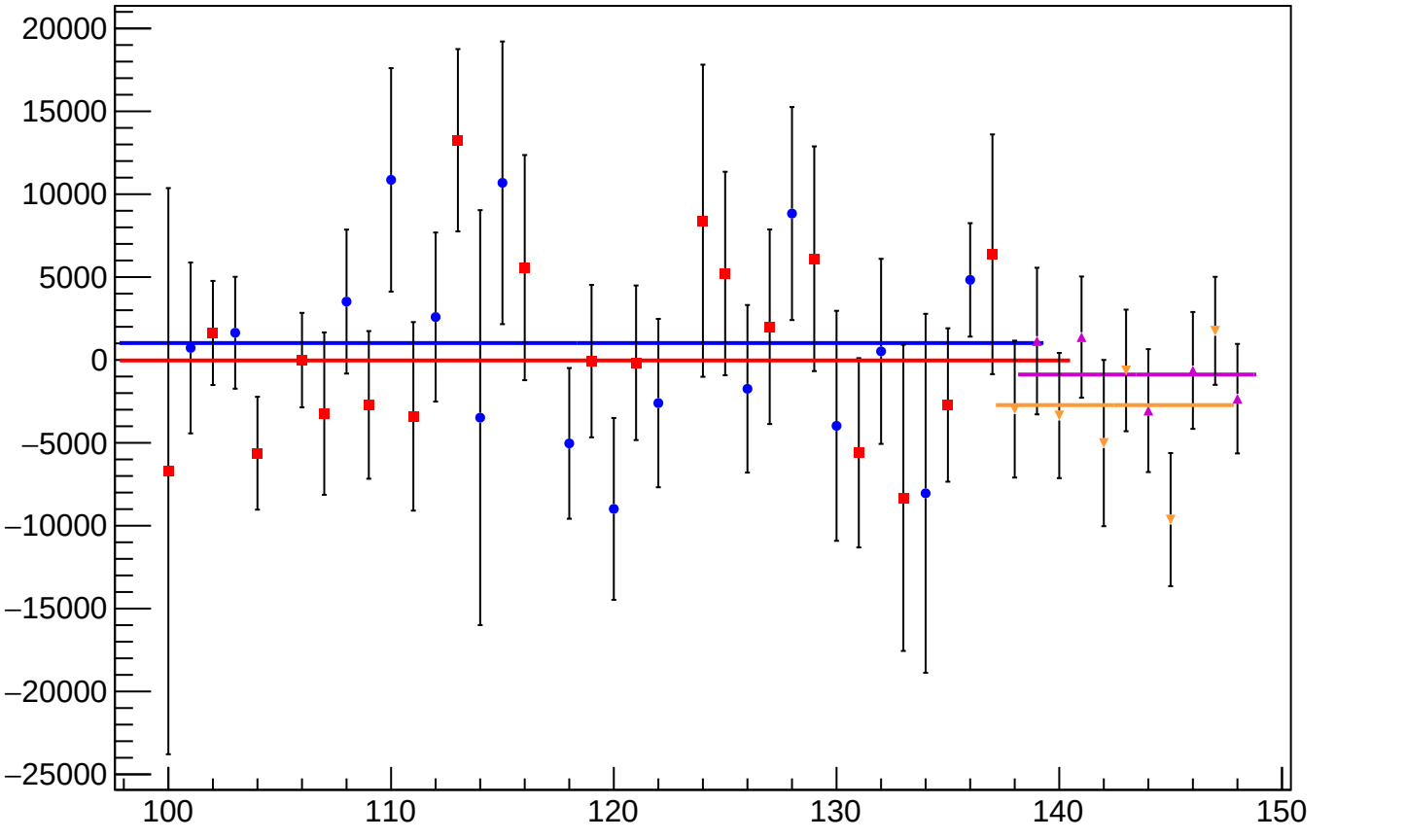
Left: 1221.841+/-0.291 χ^2/NDF: 104406.9/10

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1188.219+/-0.250 χ^2/NDF:671321.3/20

Out: 1179.998+/-0.247 χ^2/NDF:585513.9/24

All: 1184.054+/-0.176 χ^2/NDF: 1257382.3/45



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2724.543+/-1582.989 χ^2/NDF:5.4/5

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -879.652+/-1642.425 χ^2/NDF:1.1/4

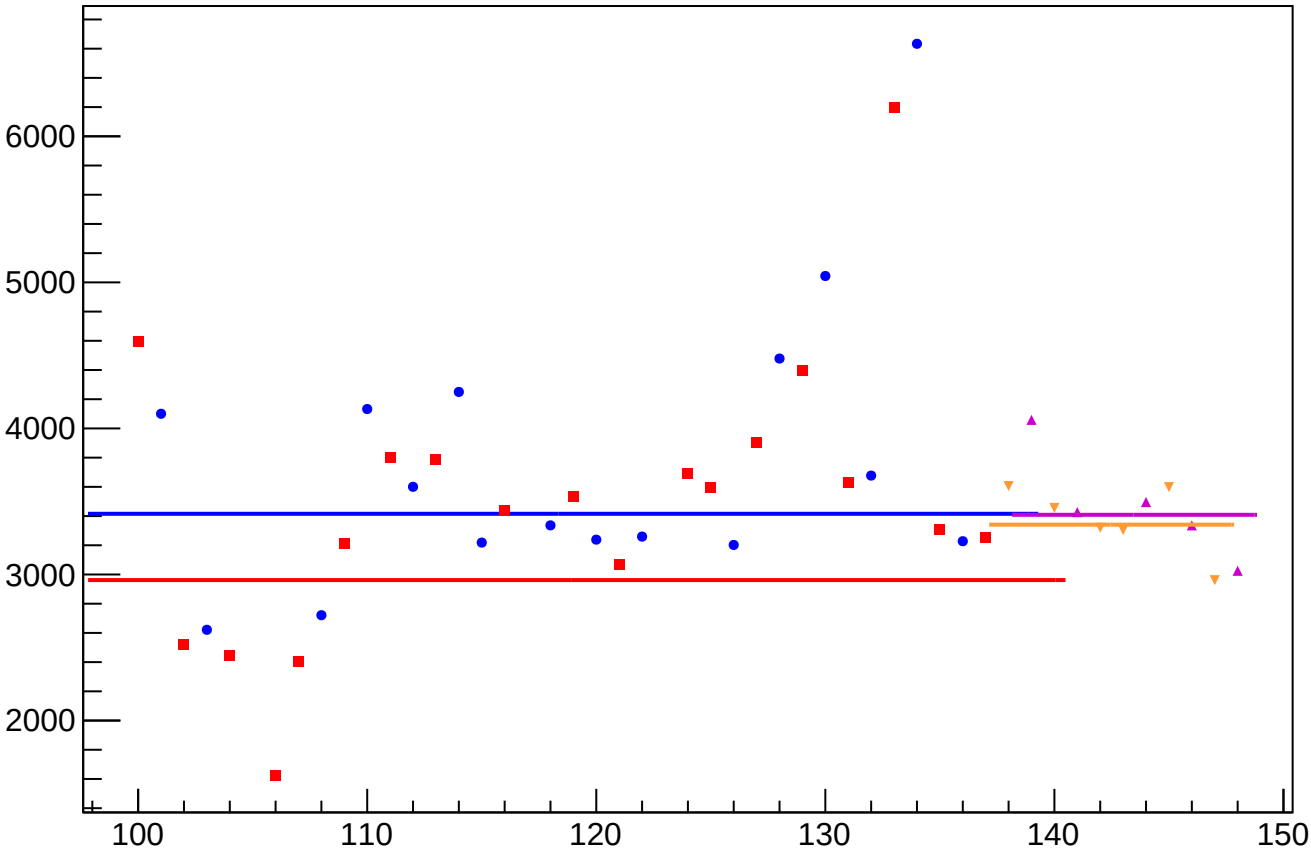
Left: -1836.083+/-1139.775 χ^2/NDF: 7.2/10

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 287.253+/-1020.507 χ^2/NDF:15.8/20

Out: -940.447+/-920.113 χ^2/NDF:23.5/24

All: -389.940+/-683.363 χ^2/NDF: 40.1/45



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3341.113+/-1.119 χ^2/NDF:45715.1/5

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3408.664+/-1.161 χ^2/NDF:72123.5/4

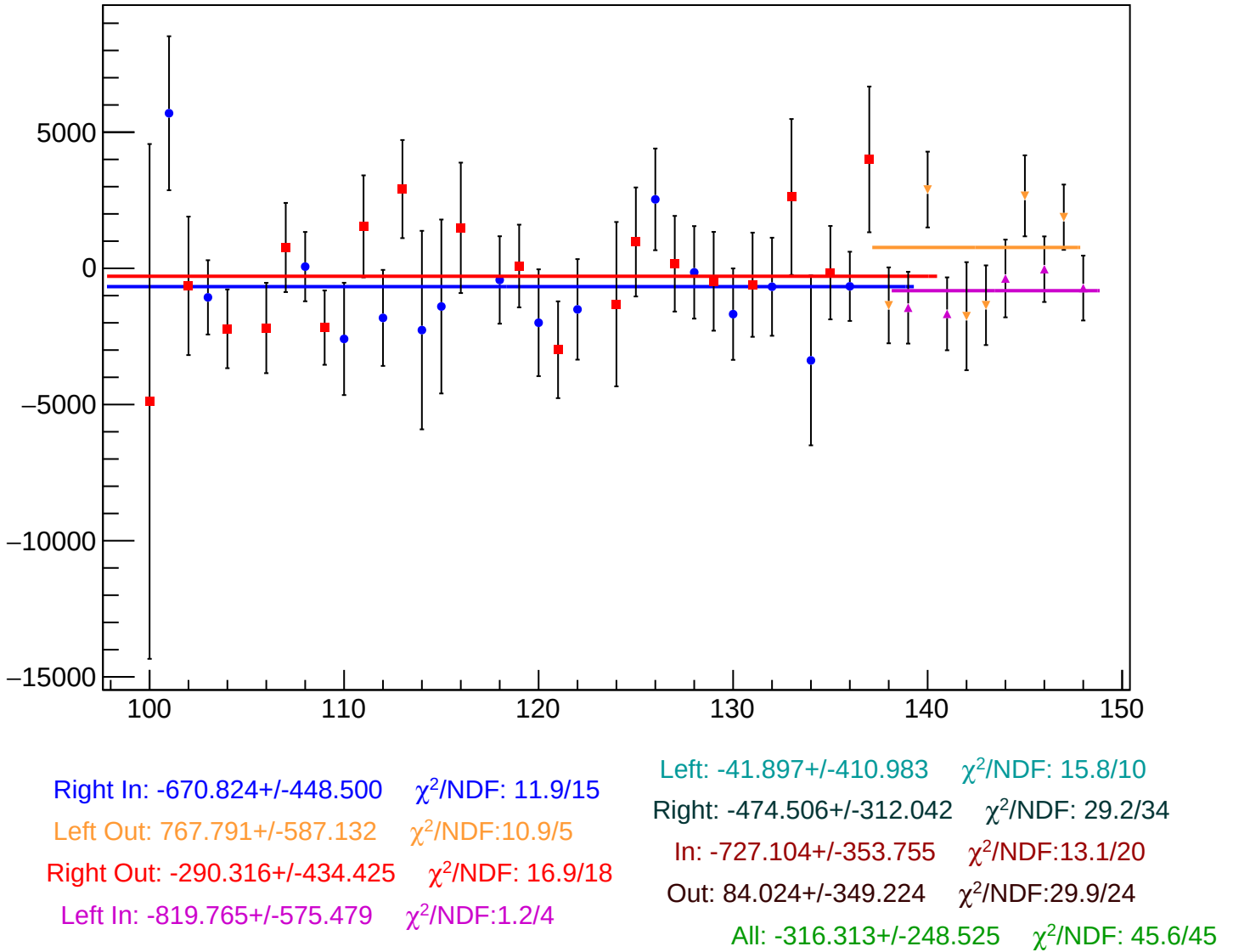
Left: 3373.644+/-0.806 χ^2/NDF: 119592.5/10

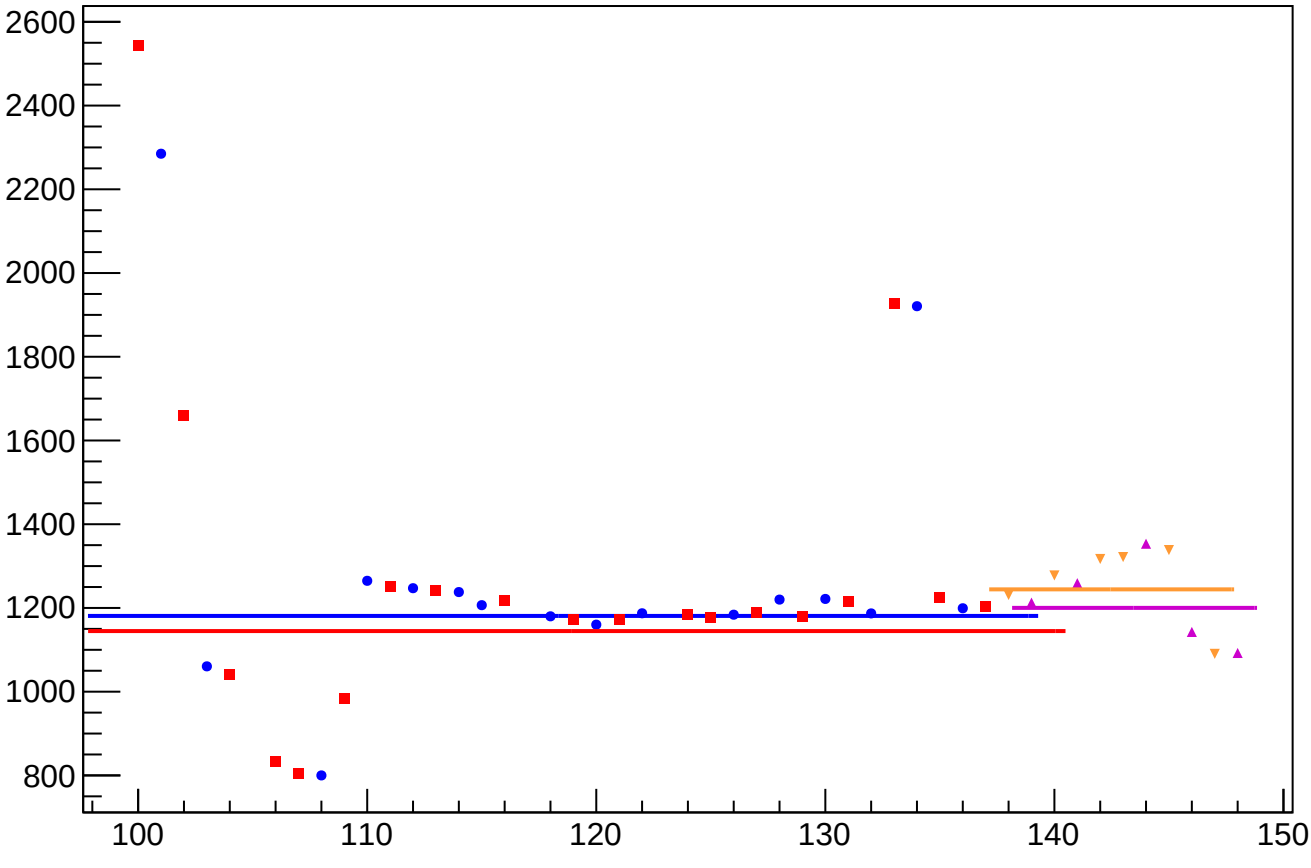
Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3412.919+/-0.722 χ^2/NDF:664489.4/20

Out: 3089.950+/-0.651 χ^2/NDF:1291010.0/24

All: 3234.771+/-0.483 χ^2/NDF: 2065993.4/45


eigen_dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -670.824+/-448.500 χ²/NDF: 11.9/15
Left Out: 767.791+/-587.132 χ²/NDF:10.9/5
Right Out: -290.316+/-434.425 χ²/NDF: 16.9/18
Left In: -819.765+/-575.479 χ²/NDF:1.2/4
Left: -41.897+/-410.983 χ²/NDF: 15.8/10
Right: -474.506+/-312.042 χ²/NDF: 29.2/34
In: -727.104+/-353.755 χ²/NDF:13.1/20
Out: 84.024+/-349.224 χ²/NDF:29.9/24
All: -316.313+/-248.525 χ²/NDF: 45.6/45



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1244.392+/-0.415 χ^2/NDF:50567.6/5

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1200.178+/-0.407 χ^2/NDF:48054.0/4

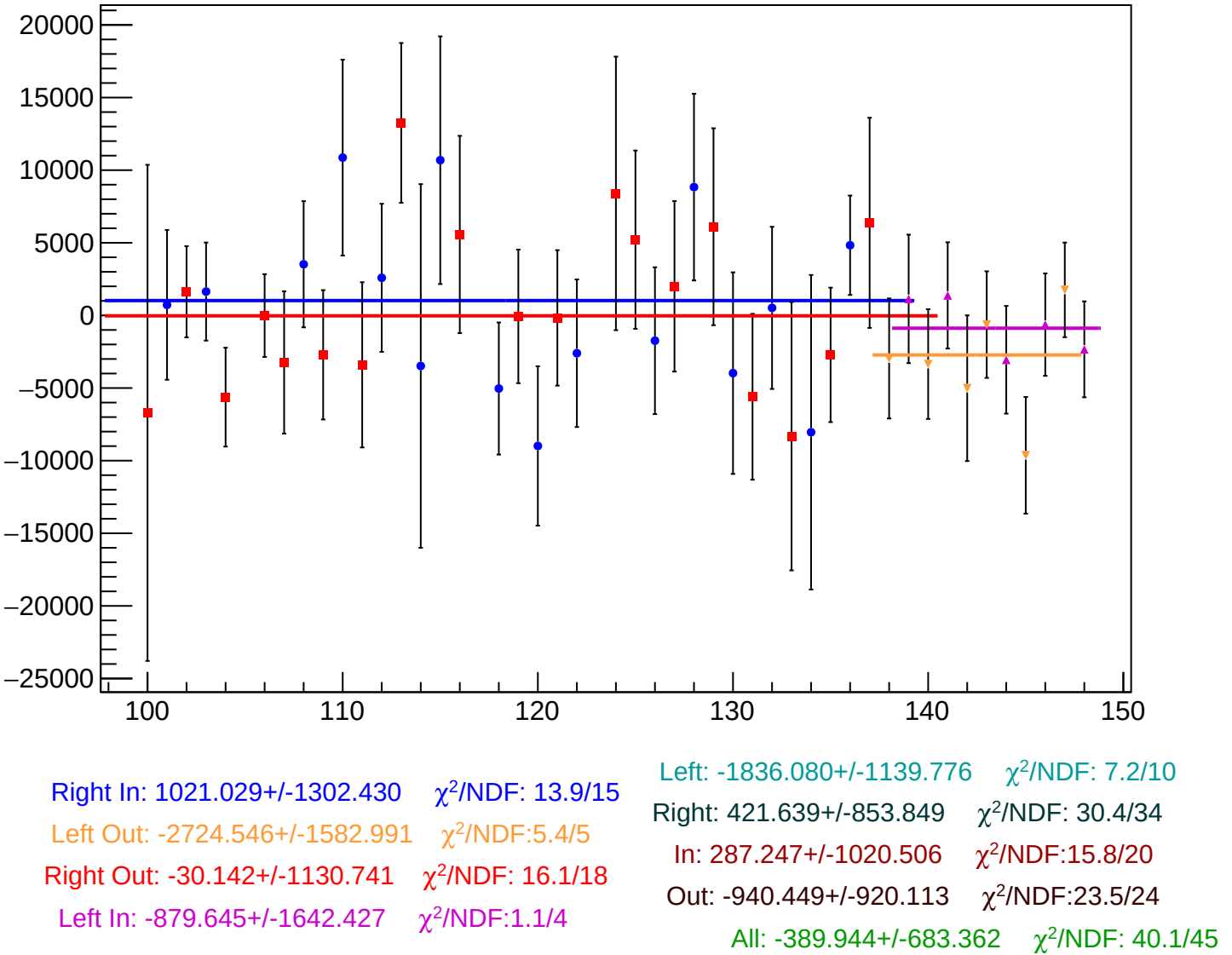
Left: 1221.842+/-0.291 χ^2/NDF: 104406.2/10

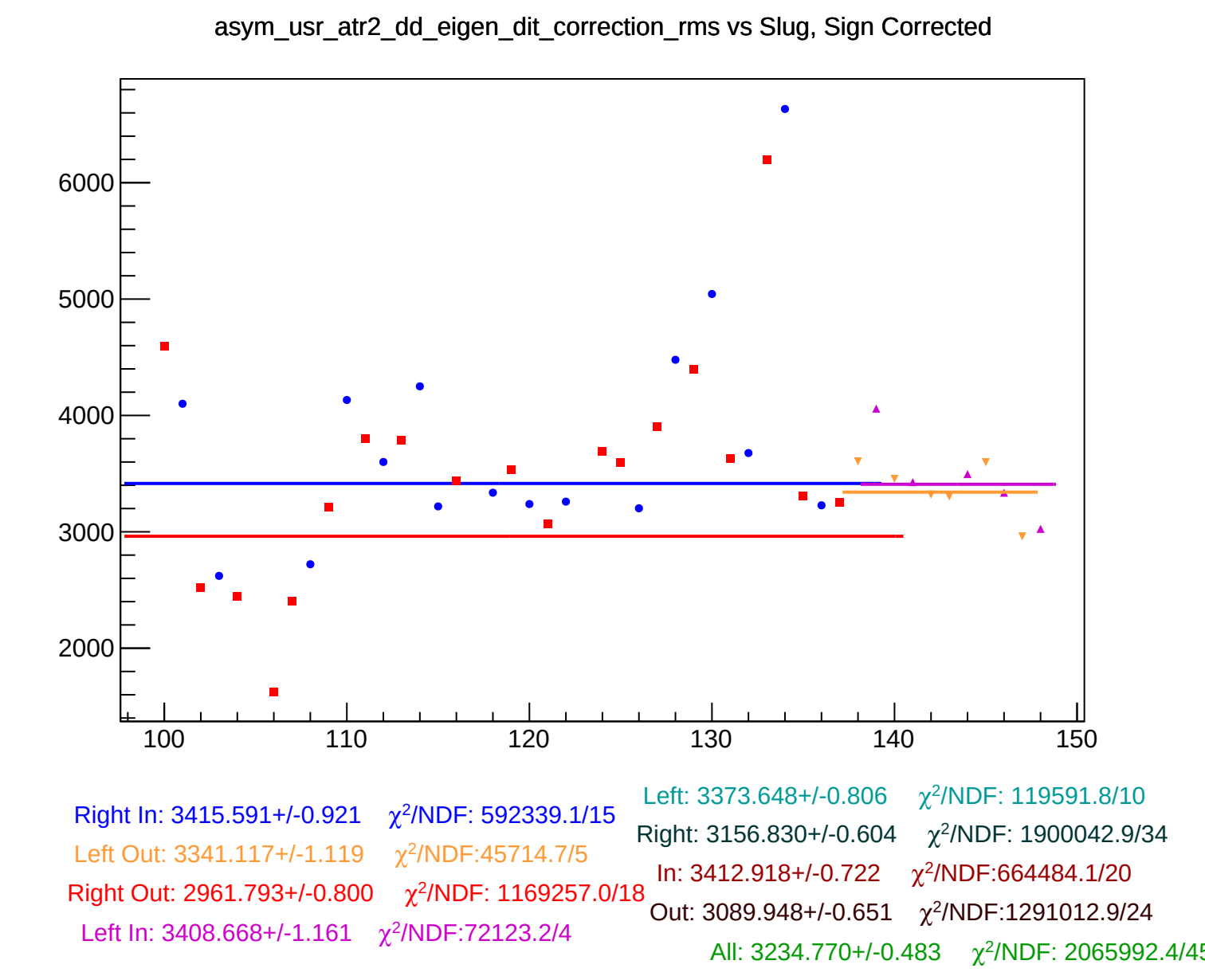
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1188.219+/-0.250 χ^2/NDF:671321.2/20

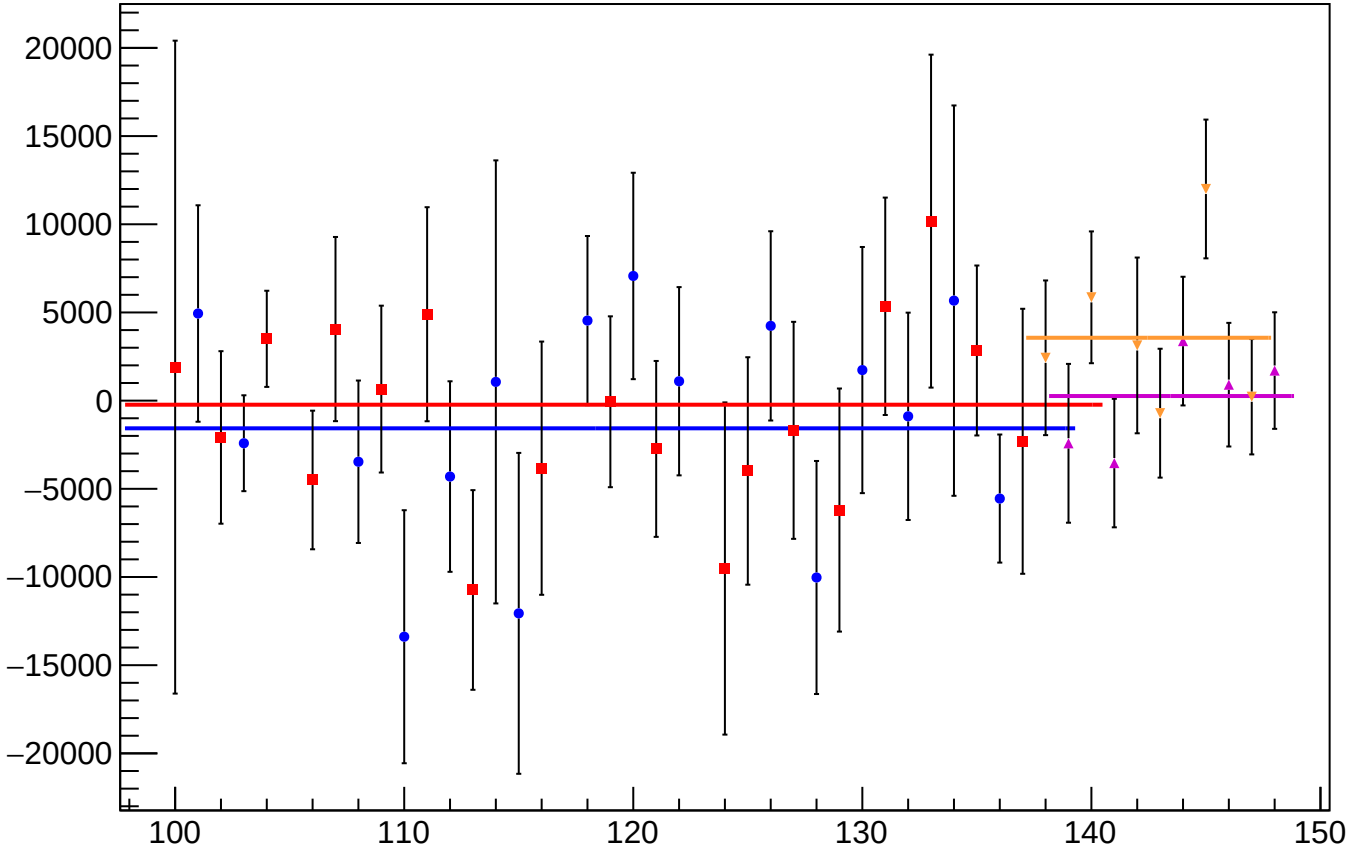
Out: 1179.998+/-0.247 χ^2/NDF:585513.8/24

All: 1184.054+/-0.176 χ^2/NDF: 1257382.0/45


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -2724.546+/-1582.991 χ²/NDF:5.4/5
Right Out: -30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: -879.645+/-1642.427 χ²/NDF:1.1/4
Left: -1836.080+/-1139.776 χ²/NDF: 7.2/10
Right: 421.639+/-853.849 χ²/NDF: 30.4/34
In: 287.247+/-1020.506 χ²/NDF:15.8/20
Out: -940.449+/-920.113 χ²/NDF:23.5/24
All: -389.944+/-683.362 χ²/NDF: 40.1/45


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3341.117+/-1.119 χ²/NDF:45714.7/5
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3408.668+/-1.161 χ²/NDF:72123.2/4
Left: 3373.648+/-0.806 χ²/NDF: 119591.8/10
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3412.918+/-0.722 χ²/NDF:664484.1/20
Out: 3089.948+/-0.651 χ²/NDF:1291012.9/24
All: 3234.770+/-0.483 χ²/NDF: 2065992.4/45

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 3564.696+/-1587.268 χ^2/NDF:7.5/5

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 261.213+/-1637.833 χ^2/NDF:2.4/4

Left: 1964.736+/-1139.825 χ^2/NDF: 12.0/10

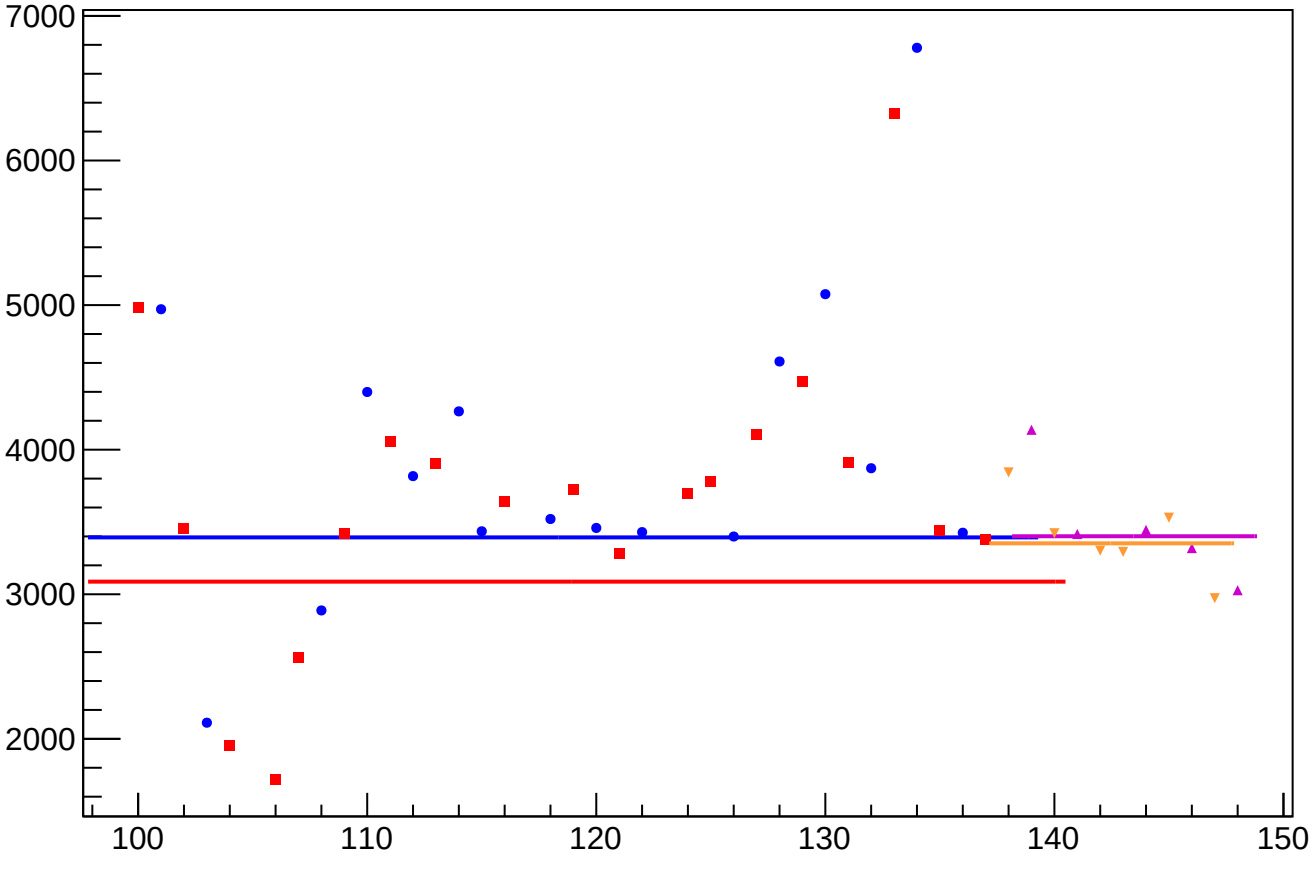
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -853.489+/-1024.416 χ^2/NDF:17.6/20

Out: 1184.811+/-969.436 χ^2/NDF:24.3/24

All: 221.824+/-704.130 χ^2/NDF: 44.0/45

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3352.306+/-1.122 χ^2/NDF:57456.3/5

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3401.192+/-1.158 χ^2/NDF:80436.9/4

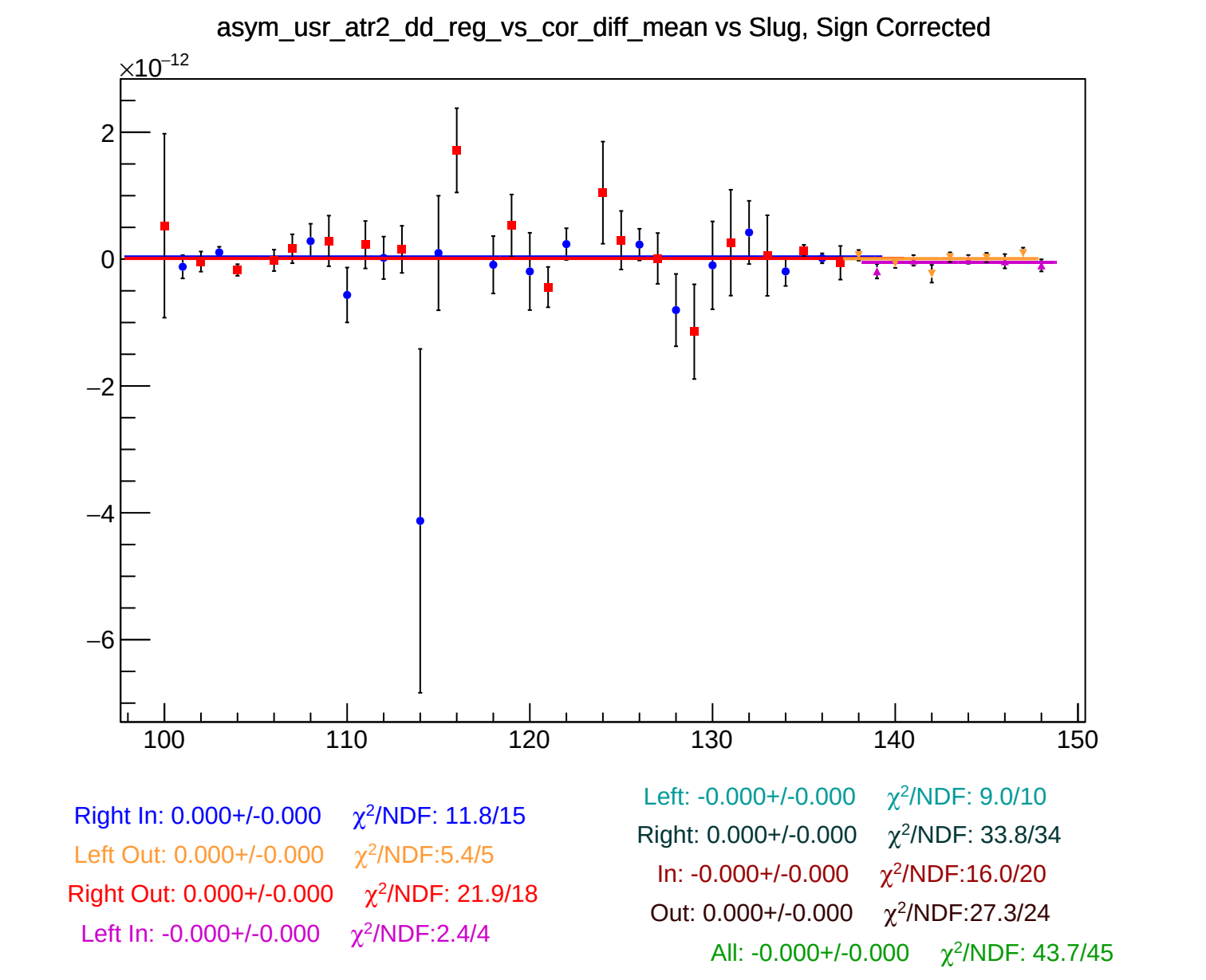
Left: 3375.983+/-0.806 χ^2/NDF: 138812.0/10

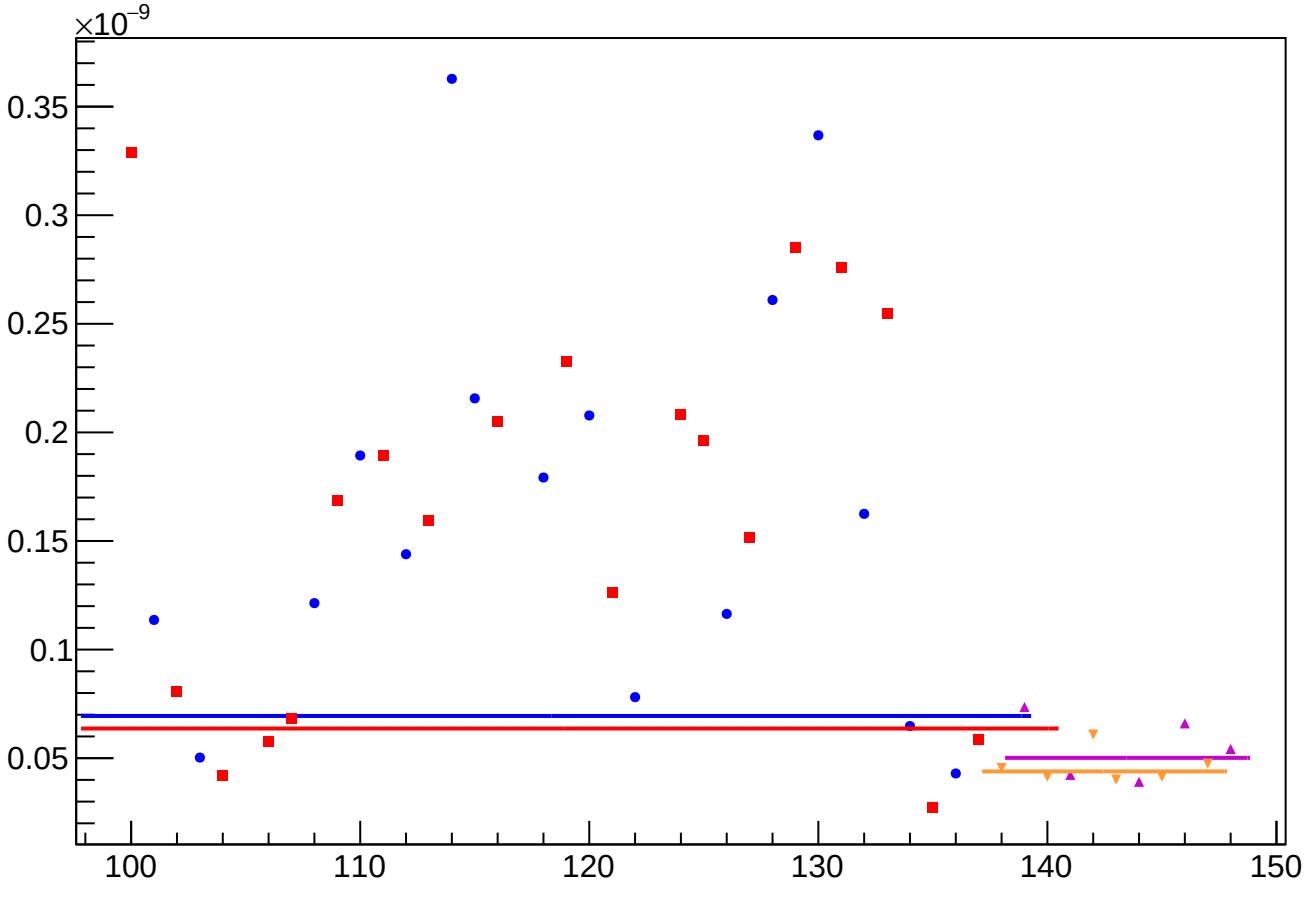
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3396.427+/-0.724 χ^2/NDF:1129172.3/20

Out: 3184.074+/-0.678 χ^2/NDF:1421202.5/24

All: 3283.272+/-0.495 χ^2/NDF: 2596169.1/45


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:2.4/4
Left: -0.000+/-0.000 χ²/NDF: 9.0/10
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:16.0/20
Out: 0.000+/-0.000 χ²/NDF:27.3/24
All: -0.000+/-0.000 χ²/NDF: 43.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43085.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:197540.2/4

Left: 0.000+/-0.000 χ^2/NDF: 268931.2/10

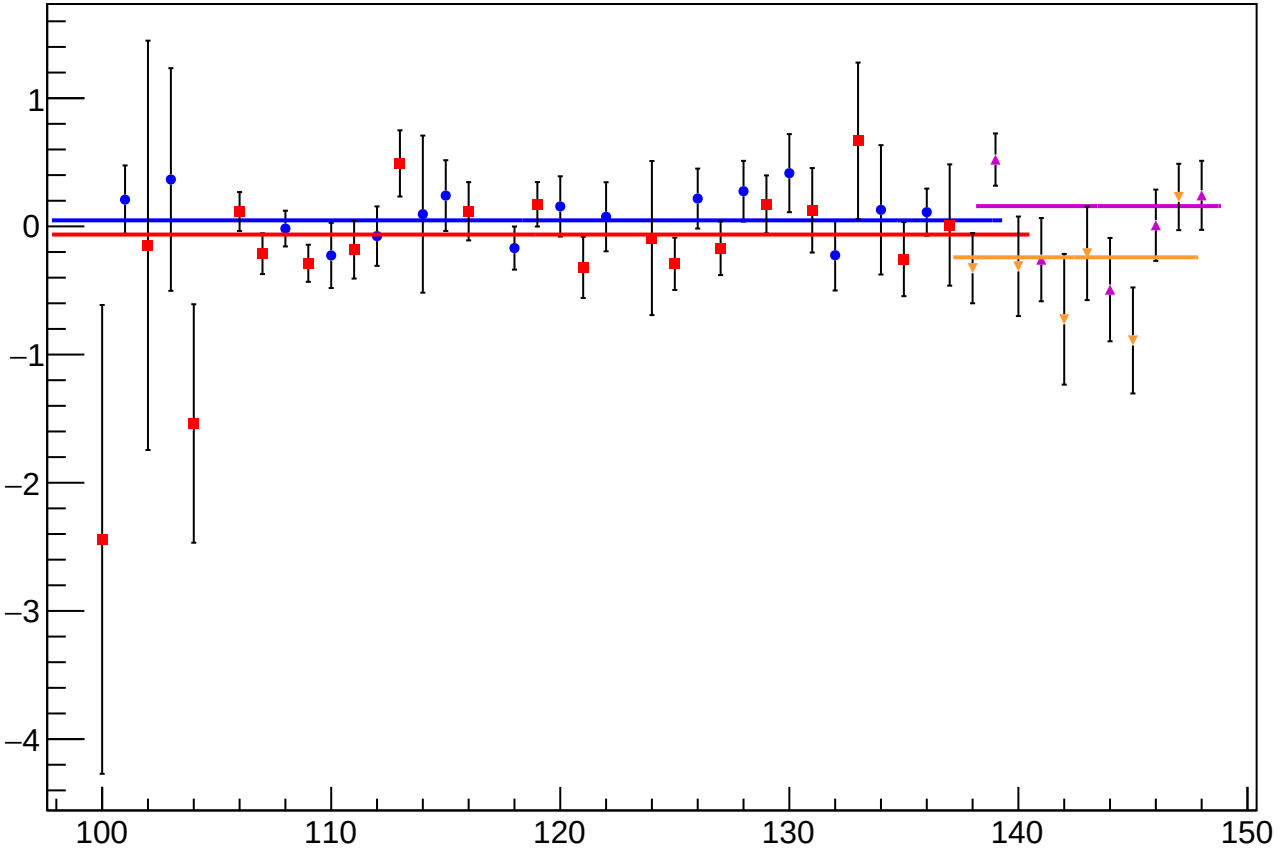
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2113331.5/20

Out: 0.000+/-0.000 χ^2/NDF:2509427.8/24

All: 0.000+/-0.000 χ^2/NDF: 4689670.0/45

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.158+/-0.123 χ^2/NDF:7.8/4

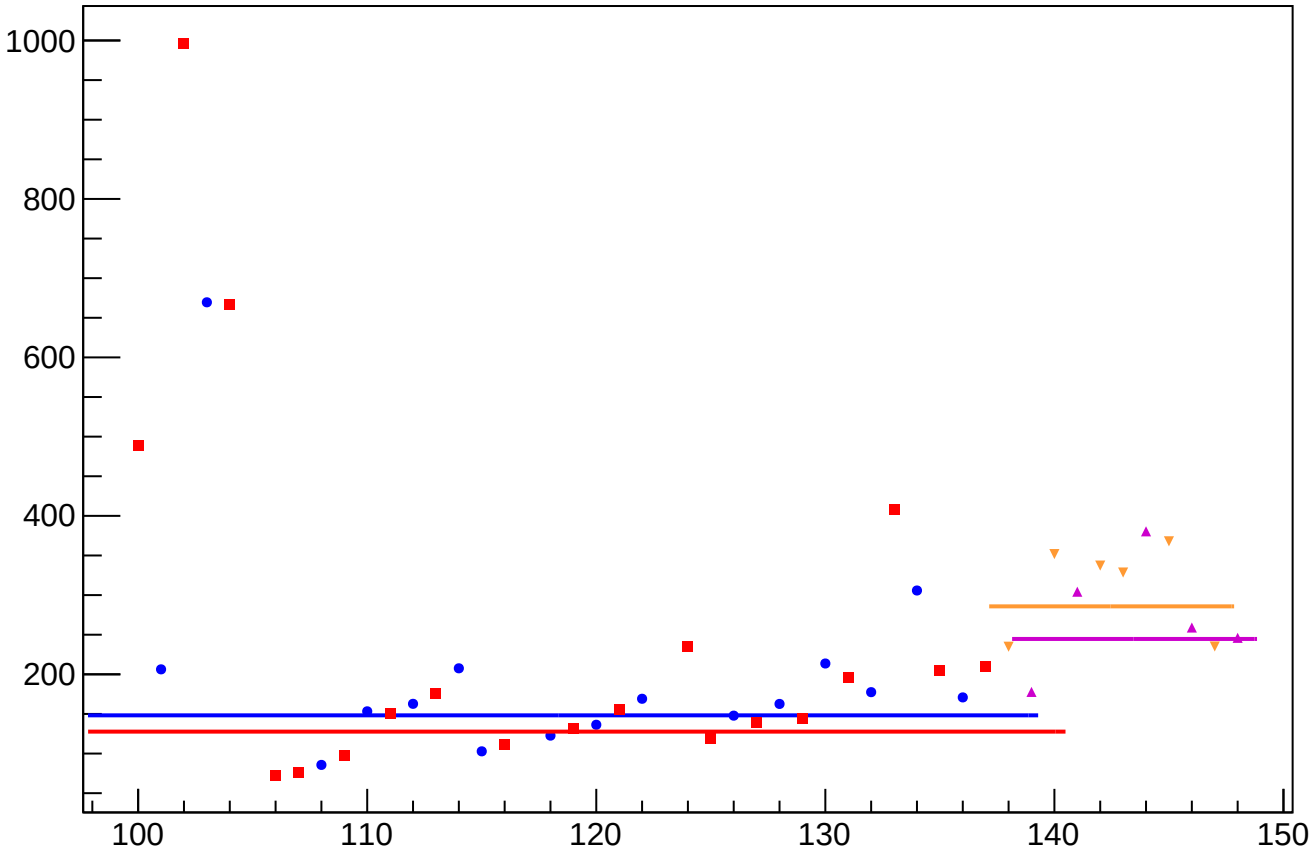
Left: -0.018+/-0.092 χ^2/NDF: 19.3/10

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.054 χ^2/NDF:17.0/20

Out: -0.088+/-0.051 χ^2/NDF:30.5/24

All: -0.014+/-0.037 χ^2/NDF: 51.9/45



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 285.777+/-0.098 χ^2/NDF:330219.0/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

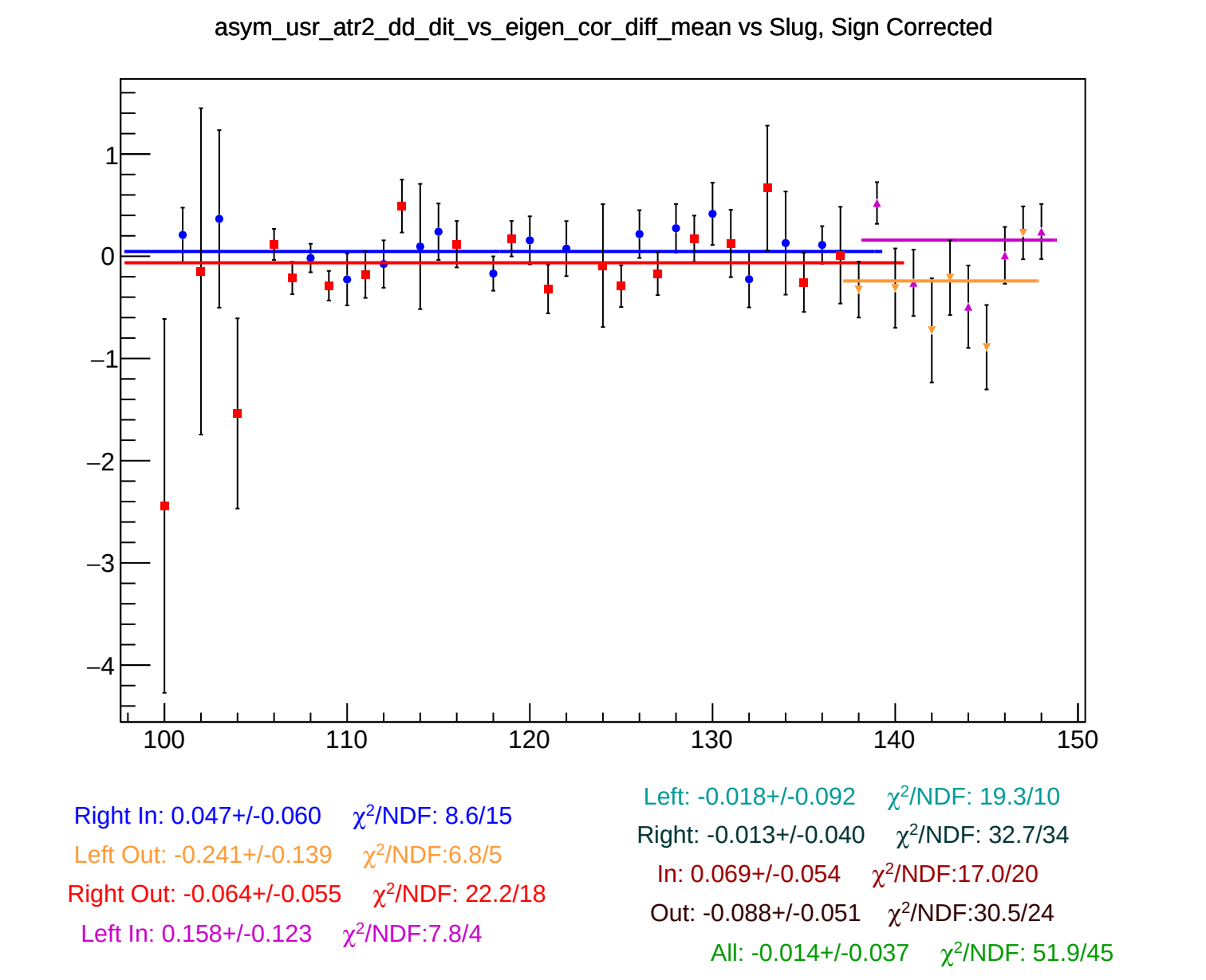
Left: 262.732+/-0.065 χ^2/NDF: 943492.0/10

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

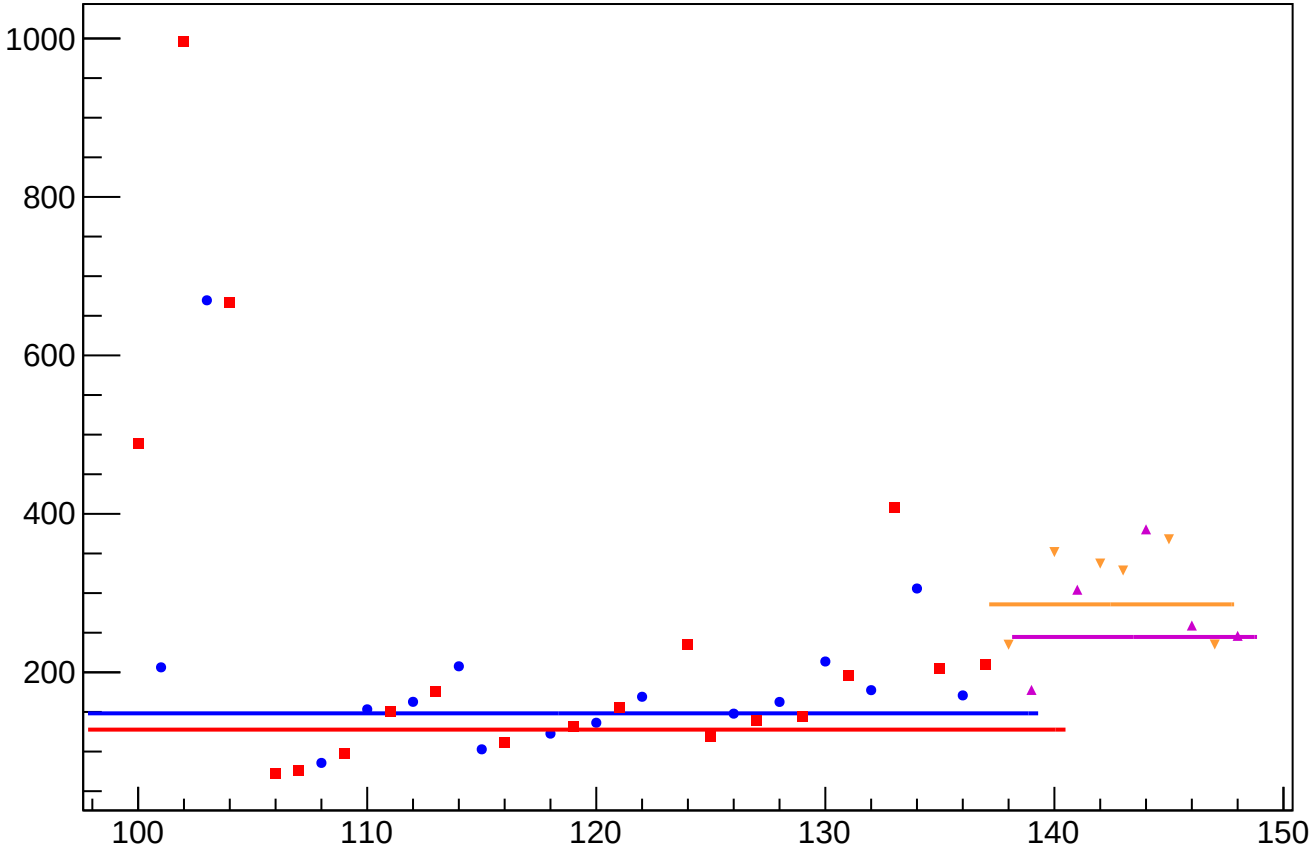
In: 166.852+/-0.038 χ^2/NDF:3220346.1/20

Out: 148.988+/-0.036 χ^2/NDF:5425890.3/24

All: 157.397+/-0.026 χ^2/NDF: 8762413.9/45


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.241+/-0.139 χ²/NDF:6.8/5
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.158+/-0.123 χ²/NDF:7.8/4
Left: -0.018+/-0.092 χ²/NDF: 19.3/10
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.069+/-0.054 χ²/NDF:17.0/20
Out: -0.088+/-0.051 χ²/NDF:30.5/24
All: -0.014+/-0.037 χ²/NDF: 51.9/45

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: 285.777+/-0.098 χ^2/NDF:330219.0/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

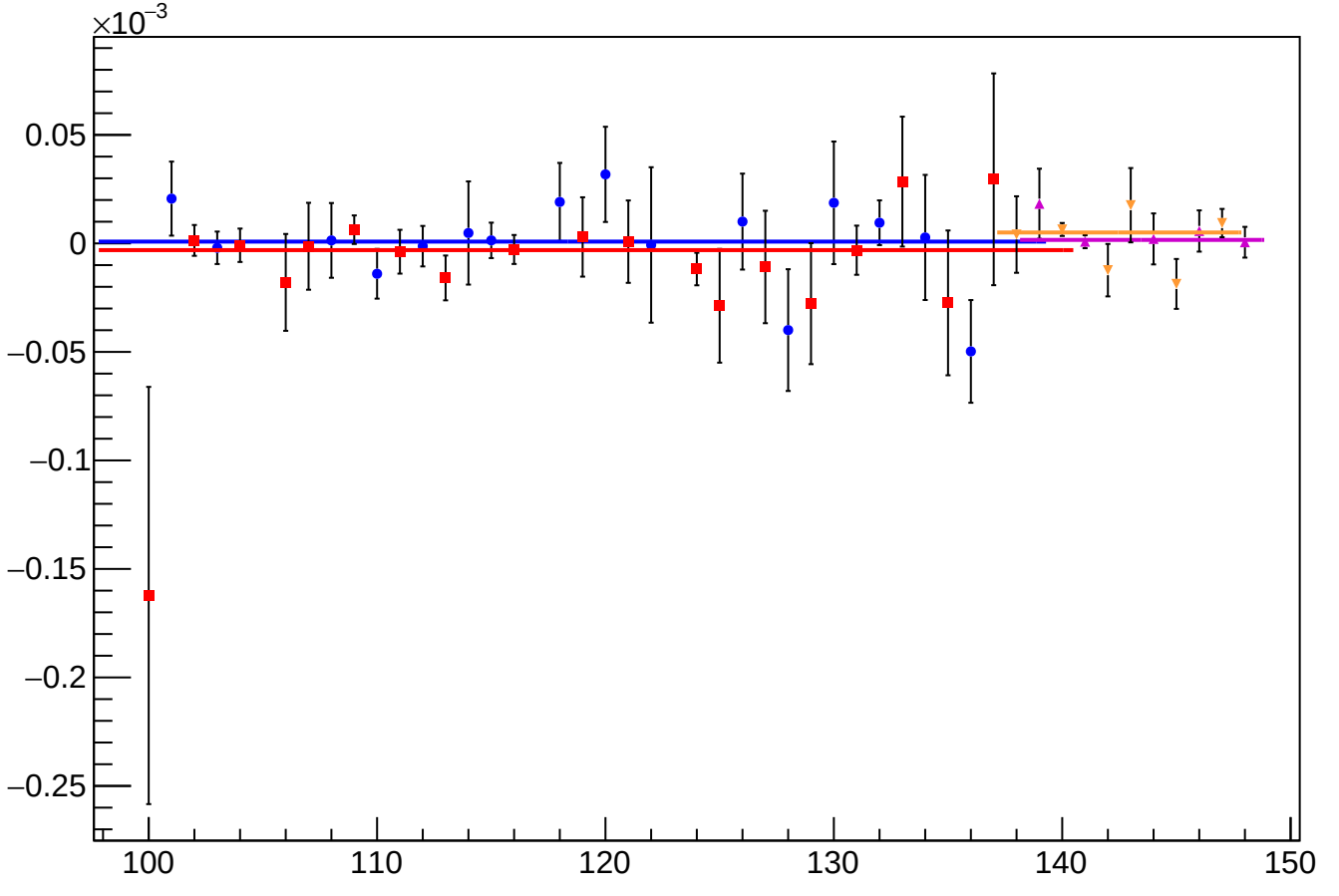
Left: 262.732+/-0.065 χ^2/NDF: 943492.0/10

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 166.852+/-0.038 χ^2/NDF:3220346.1/20

Out: 148.988+/-0.036 χ^2/NDF:5425890.3/24

All: 157.397+/-0.026 χ^2/NDF: 8762413.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

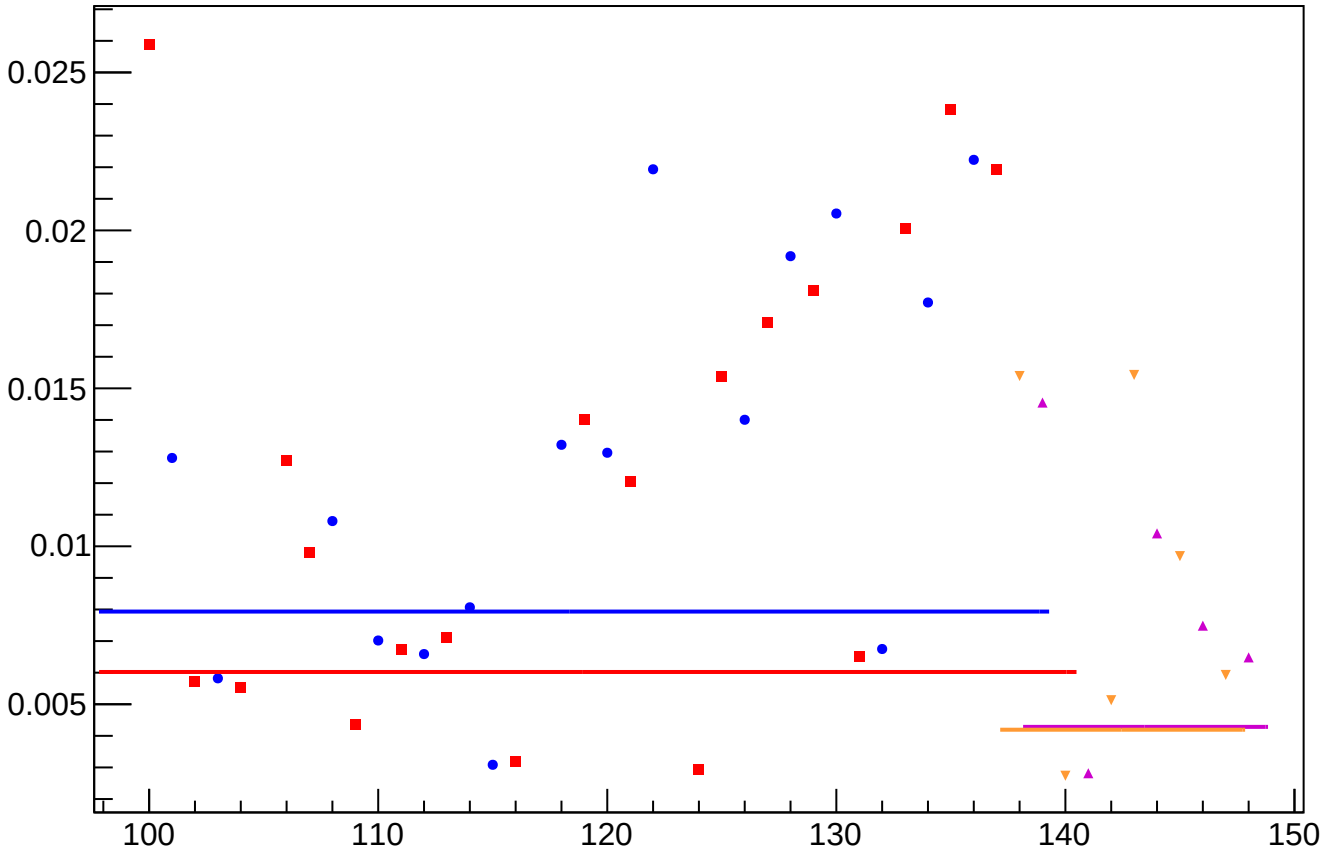
Left: 0.000+/-0.000 χ^2/NDF: 9.8/10

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.6/20

Out: 0.000+/-0.000 χ^2/NDF:25.2/24

All: 0.000+/-0.000 χ^2/NDF: 40.8/45



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2752142.2/5

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:2249069.4/4

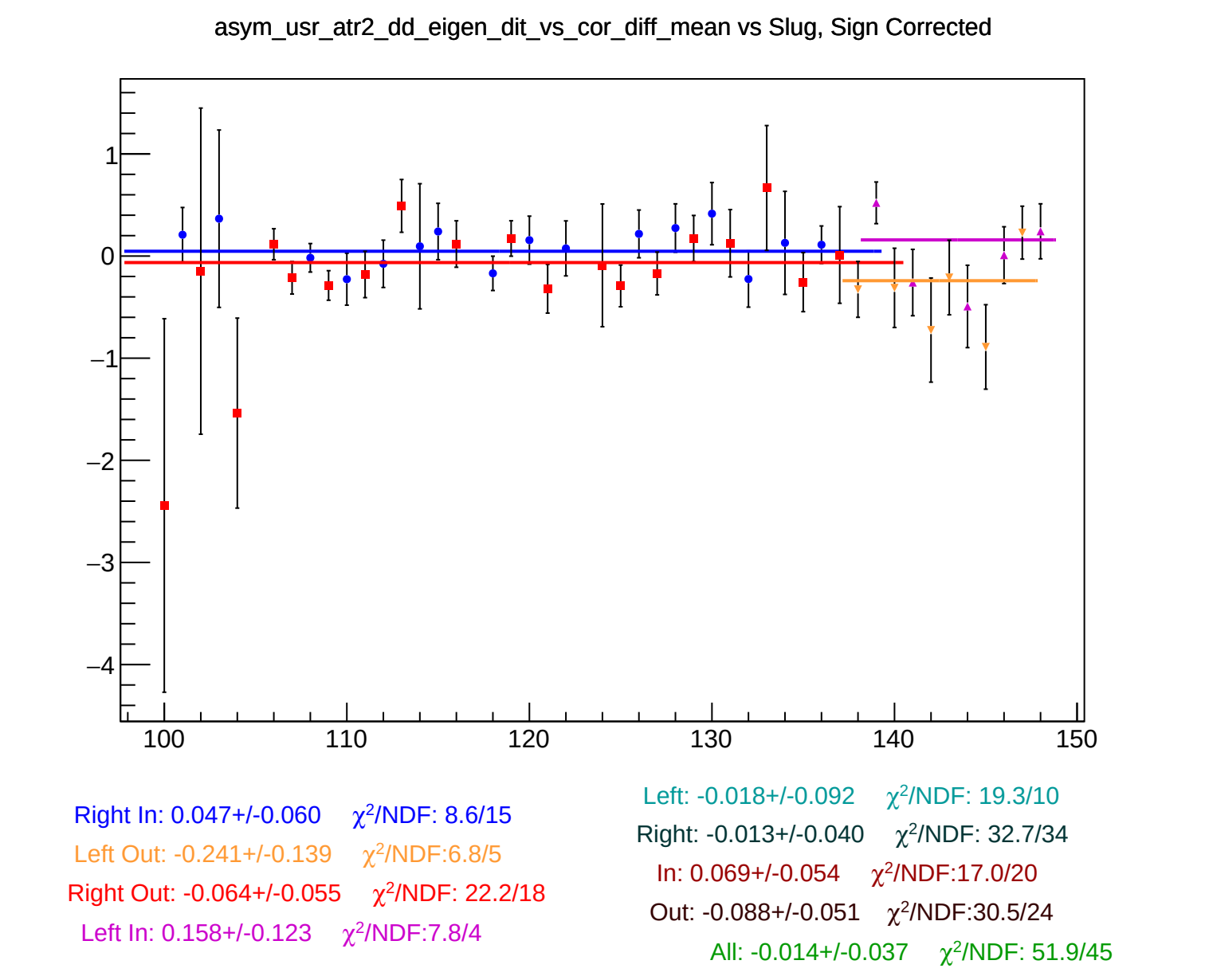
Left: 0.004+/-0.000 χ^2/NDF: 5002463.4/10

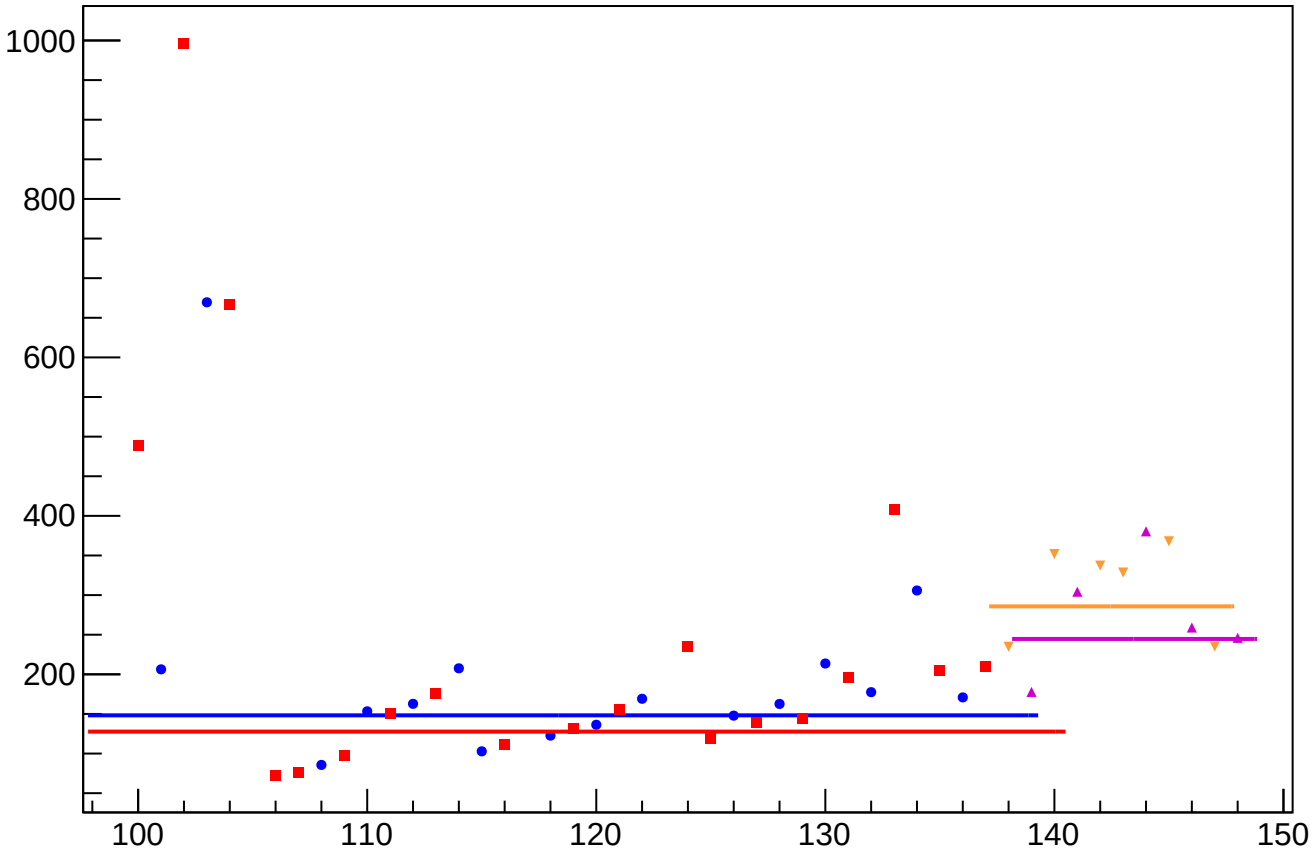
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7266153.1/20

Out: 0.005+/-0.000 χ^2/NDF:7262865.9/24

All: 0.005+/-0.000 χ^2/NDF: 14595635.7/45


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.241+/-0.139 χ²/NDF:6.8/5
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.158+/-0.123 χ²/NDF:7.8/4
Left: -0.018+/-0.092 χ²/NDF: 19.3/10
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.069+/-0.054 χ²/NDF:17.0/20
Out: -0.088+/-0.051 χ²/NDF:30.5/24
All: -0.014+/-0.037 χ²/NDF: 51.9/45



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 285.781+/-0.098 χ^2/NDF:330198.5/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

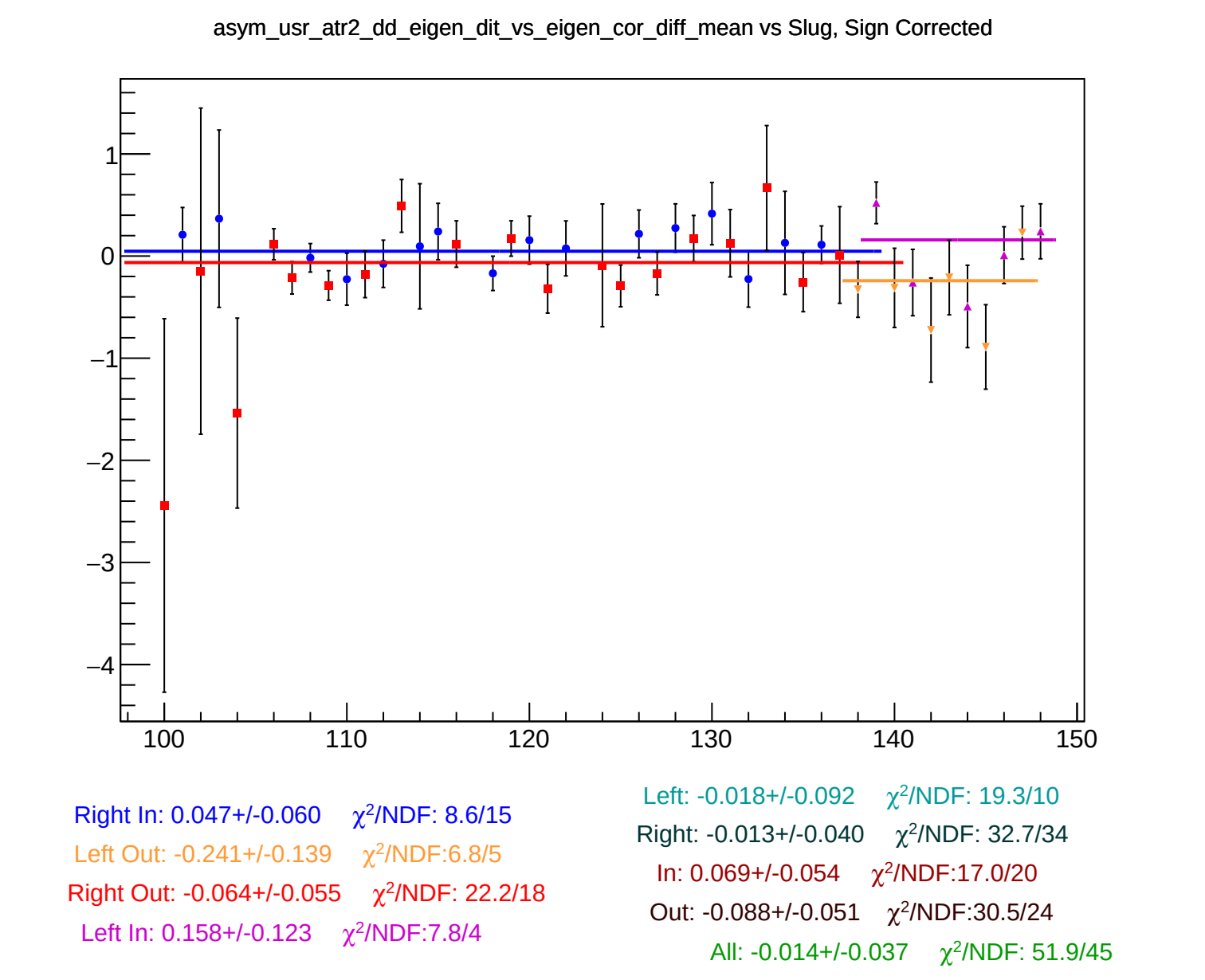
Left: 262.736+/-0.065 χ^2/NDF: 943450.5/10

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

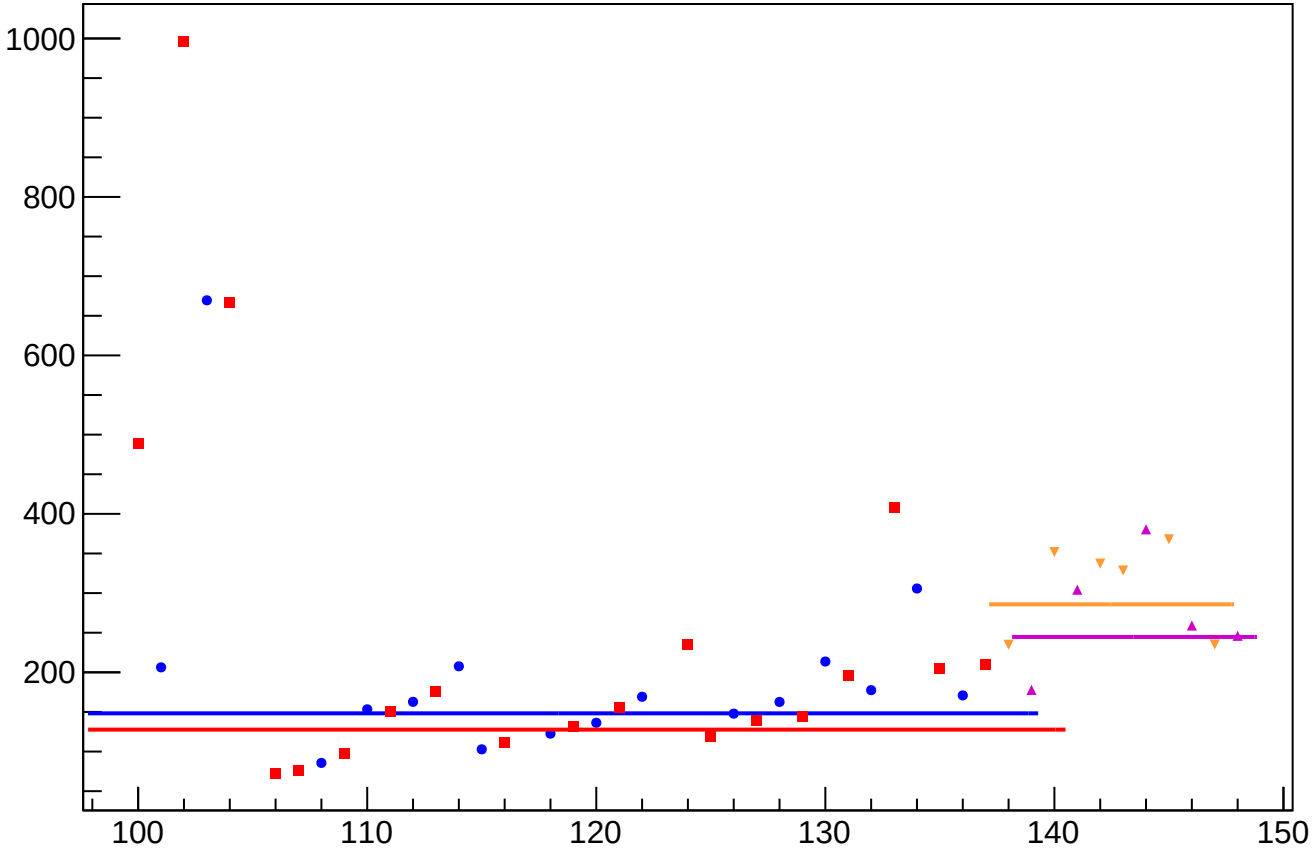
In: 166.850+/-0.038 χ^2/NDF:3220509.7/20

Out: 148.988+/-0.036 χ^2/NDF:5425926.3/24

All: 157.396+/-0.026 χ^2/NDF: 8762585.5/45


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.241+/-0.139 χ²/NDF:6.8/5
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.158+/-0.123 χ²/NDF:7.8/4
Left: -0.018+/-0.092 χ²/NDF: 19.3/10
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.069+/-0.054 χ²/NDF:17.0/20
Out: -0.088+/-0.051 χ²/NDF:30.5/24
All: -0.014+/-0.037 χ²/NDF: 51.9/45

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 285.781+/-0.098 χ^2/NDF:330198.5/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

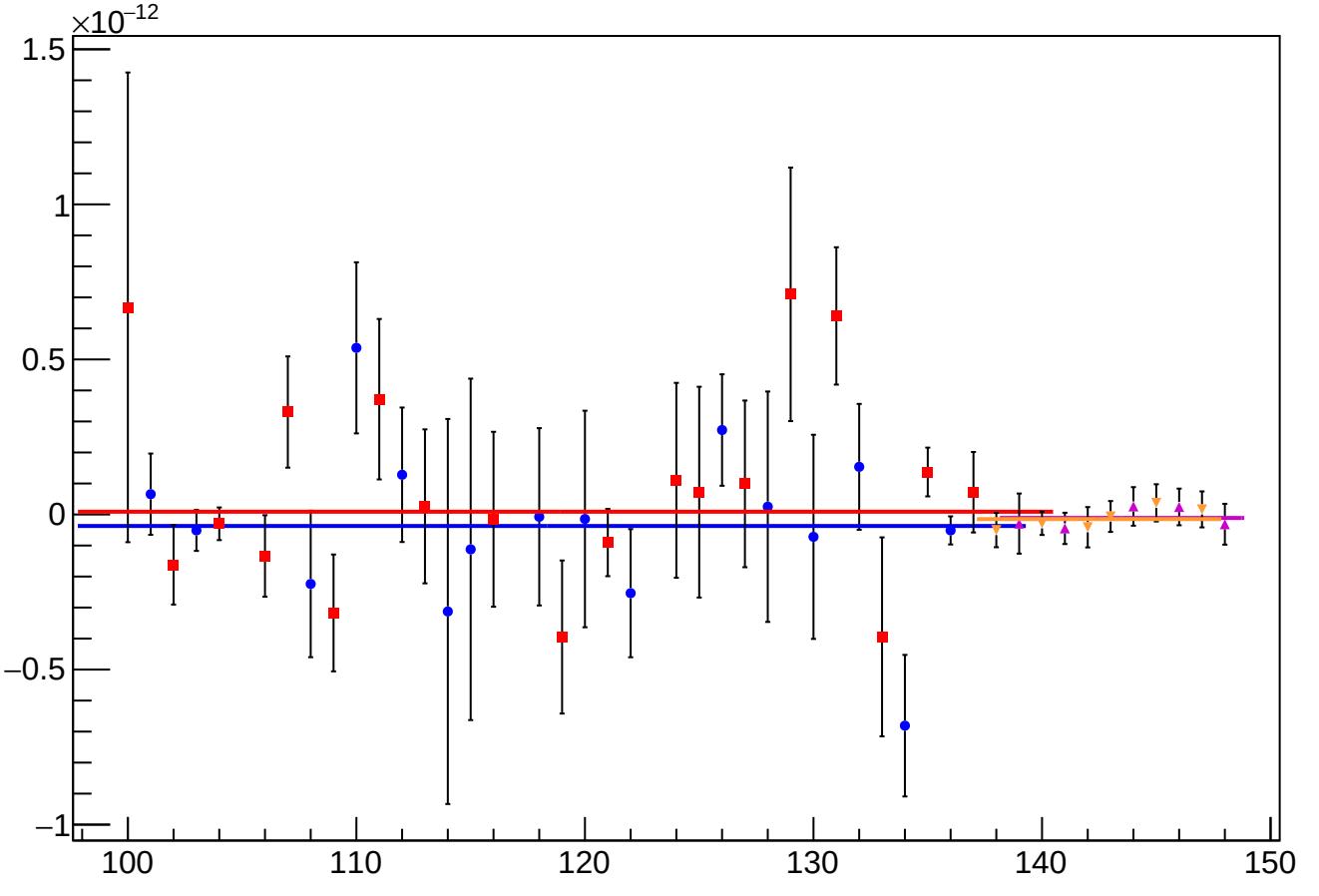
Left: 262.736+/-0.065 χ^2/NDF: 943450.5/10

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 166.850+/-0.038 χ^2/NDF:3220509.7/20

Out: 148.988+/-0.036 χ^2/NDF:5425926.3/24

All: 157.396+/-0.026 χ^2/NDF: 8762585.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

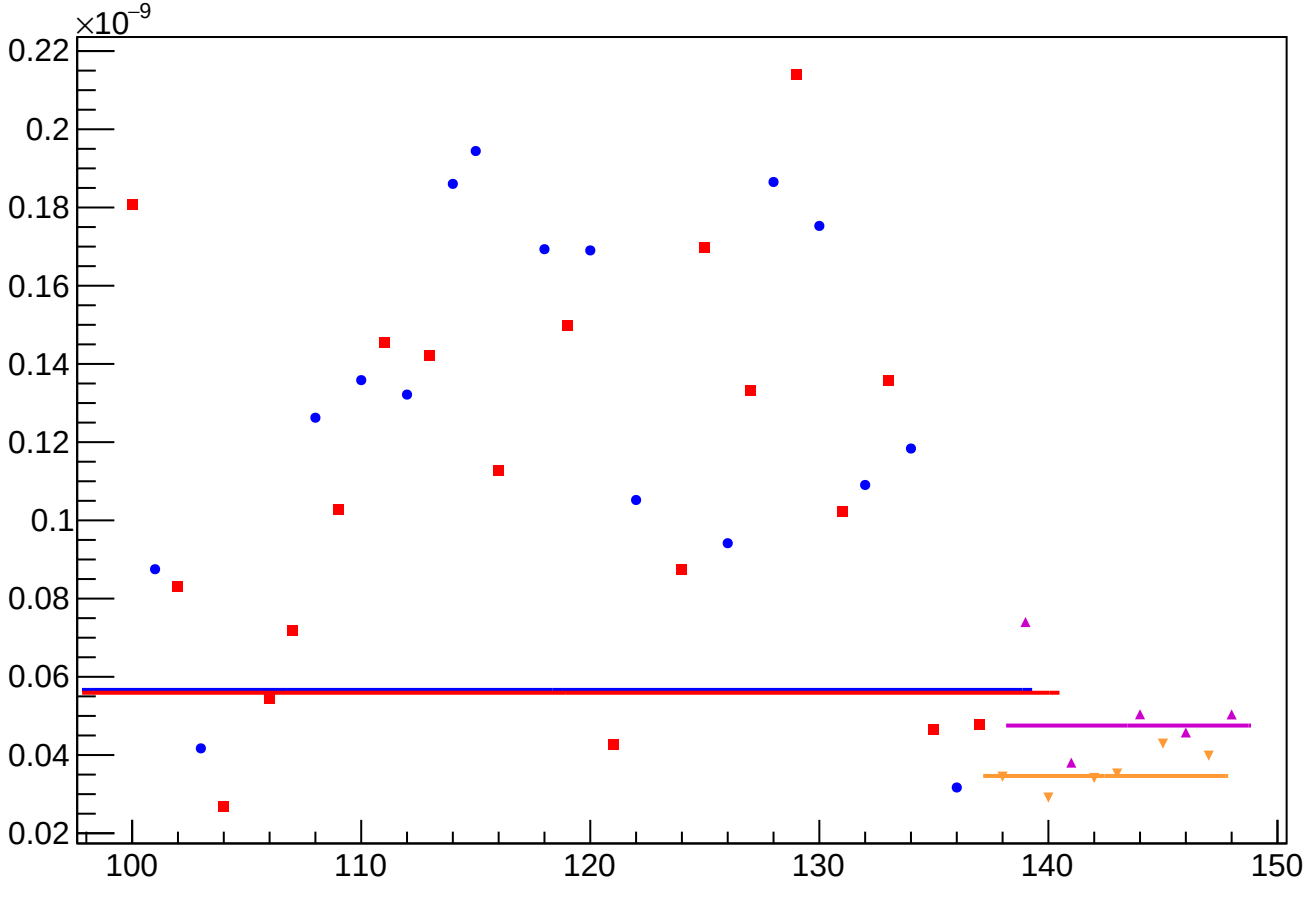
Left: -0.000+/-0.000 χ^2/NDF: 3.1/10

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:21.1/20

Out: -0.000+/-0.000 χ^2/NDF:33.9/24

All: -0.000+/-0.000 χ^2/NDF: 55.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:97537.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:229699.8/4

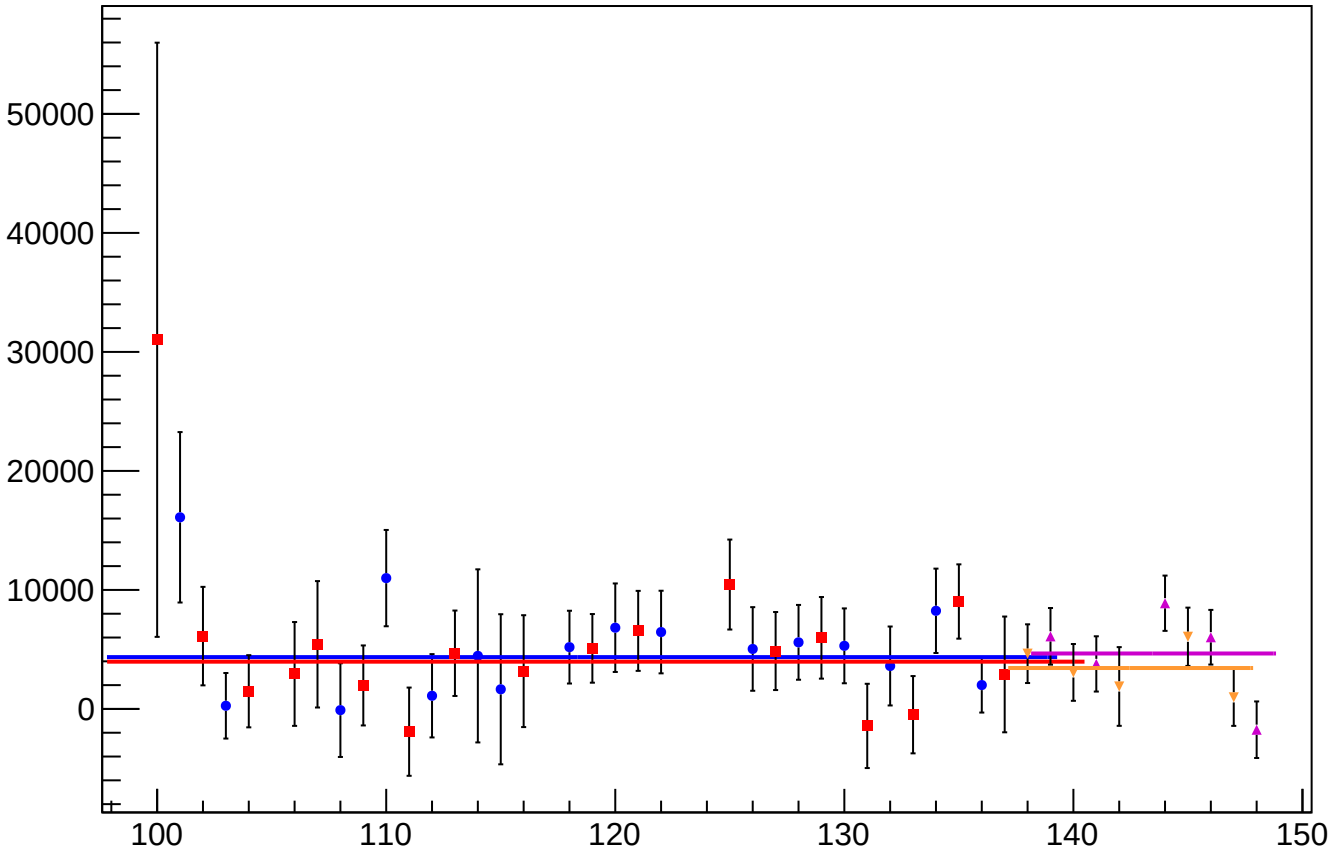
Left: 0.000+/-0.000 χ^2/NDF: 597451.8/10

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3434291.8/20

Out: 0.000+/-0.000 χ^2/NDF:3446393.6/24

All: 0.000+/-0.000 χ^2/NDF: 7165352.9/45



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3438.111+/-1137.923 χ^2/NDF:2.7/4

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4659.149+/-1045.889 χ^2/NDF:11.4/4

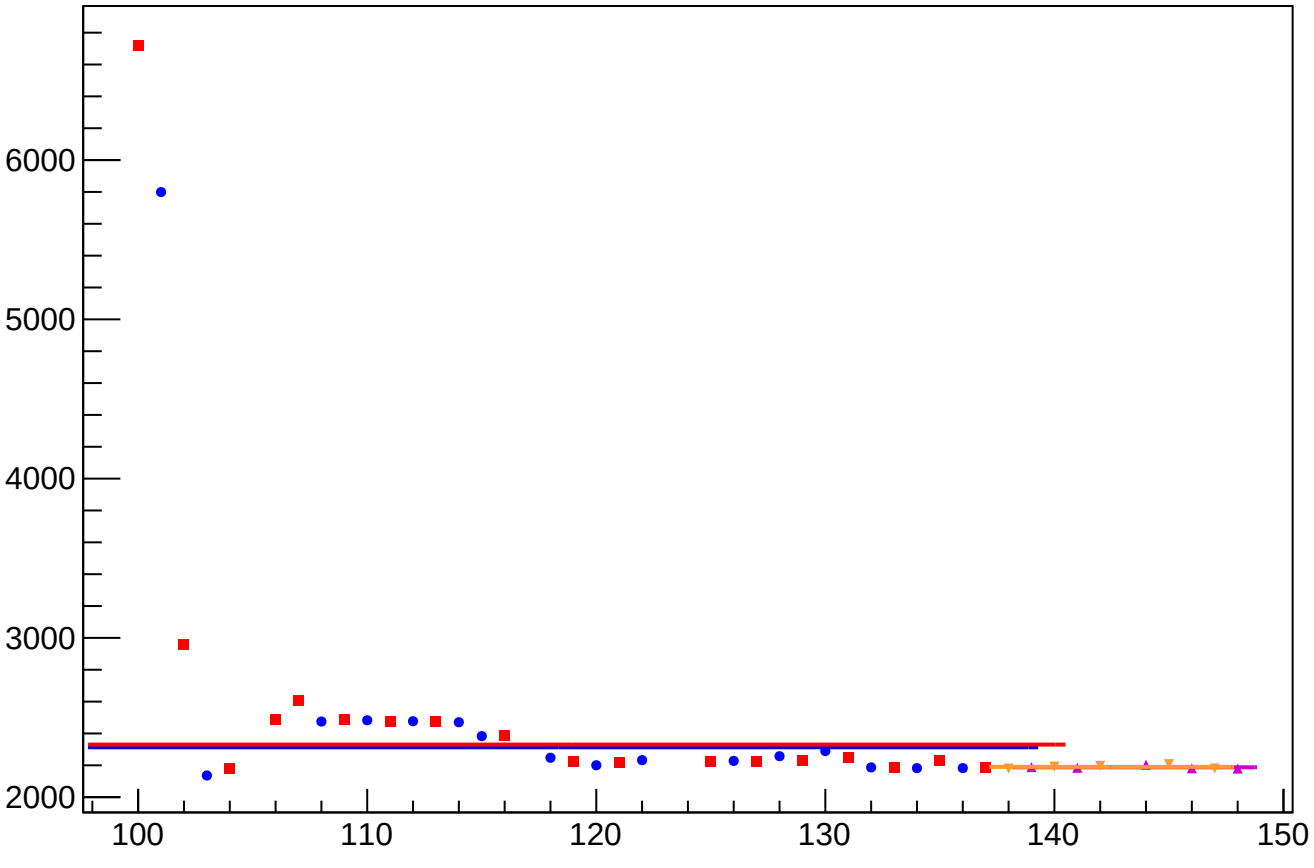
Left: 4099.998+/-770.039 χ^2/NDF: 14.8/9

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4479.873+/-671.181 χ^2/NDF:24.9/20

Out: 3774.473+/-691.797 χ^2/NDF:19.0/22

All: 4137.840+/-481.720 χ^2/NDF: 44.4/43



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

Left: 2188.794+/-0.544 χ^2/NDF: 325.3/9

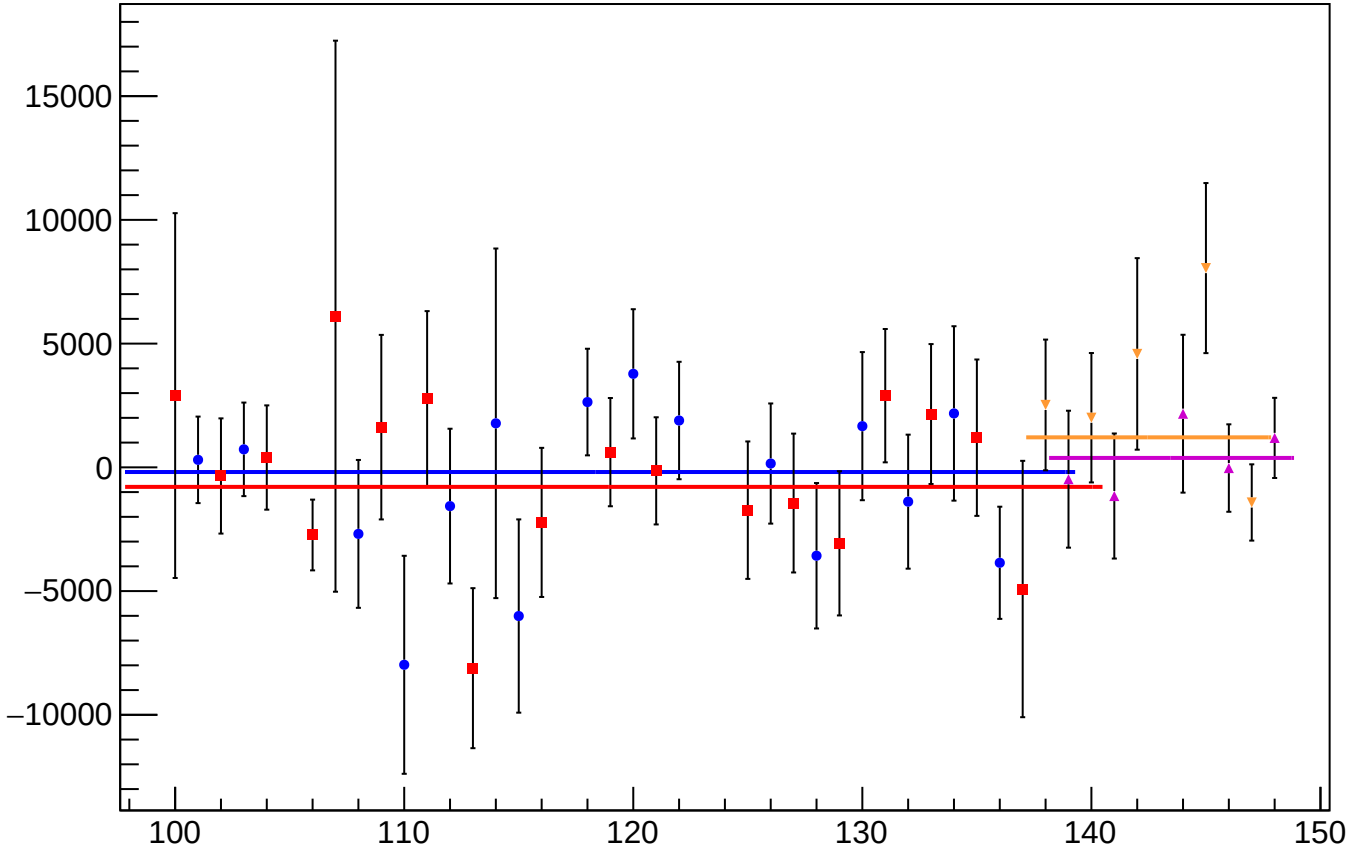
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2261.599+/-0.475 χ^2/NDF:529533.7/20

Out: 2278.461+/-0.489 χ^2/NDF:170472.9/22

All: 2269.775+/-0.341 χ^2/NDF: 700618.8/43

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: 1212.336+/-1076.951 χ^2/NDF:8.0/4

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 380.456+/-959.057 χ^2/NDF:1.1/4

Left: 748.387+/-716.224 χ^2/NDF: 9.4/9

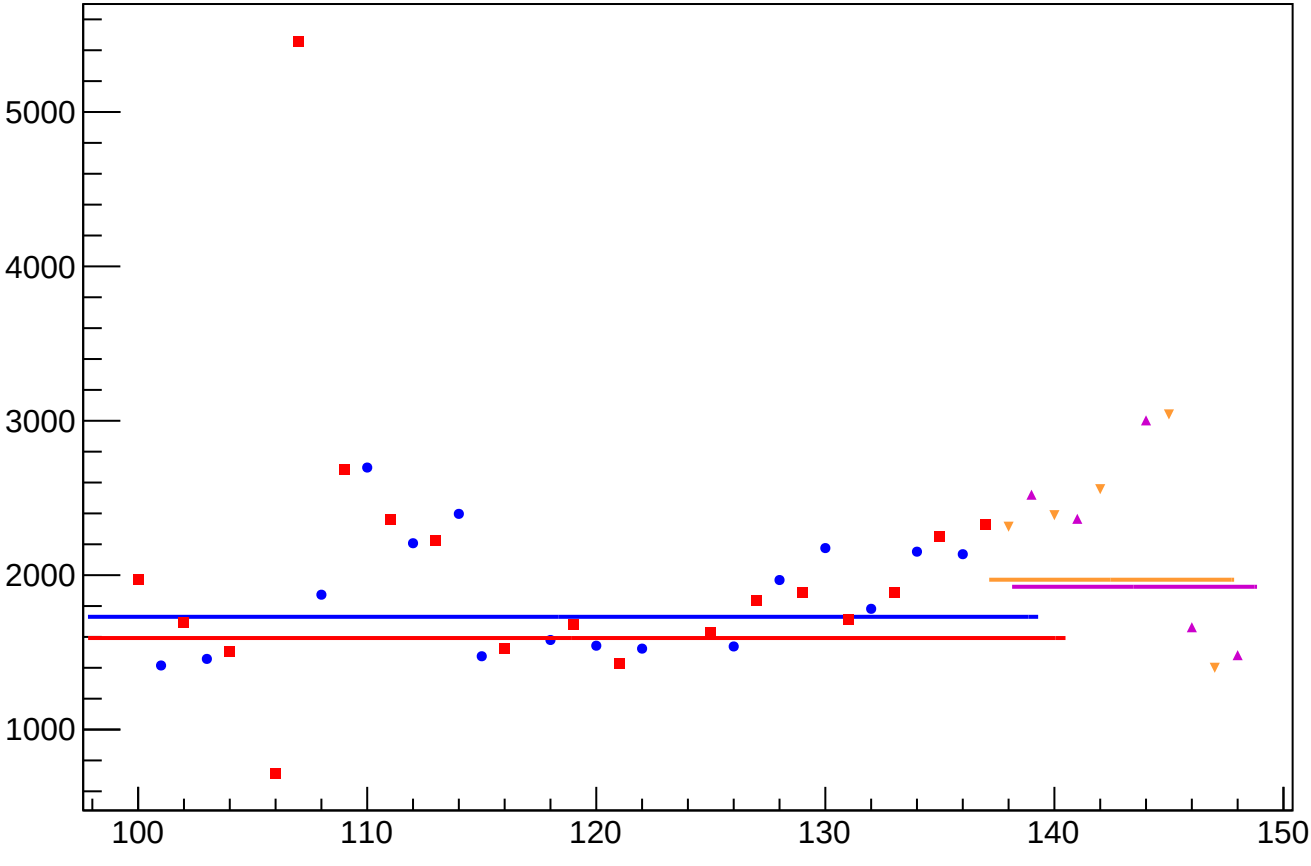
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -6.382+/-542.764 χ^2/NDF:17.8/20

Out: -273.065+/-546.931 χ^2/NDF:25.4/22

All: -138.703+/-385.257 χ^2/NDF: 43.3/43

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1970.553+/-0.762 χ^2/NDF:598967.5/4

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1924.830+/-0.678 χ^2/NDF:575747.3/4

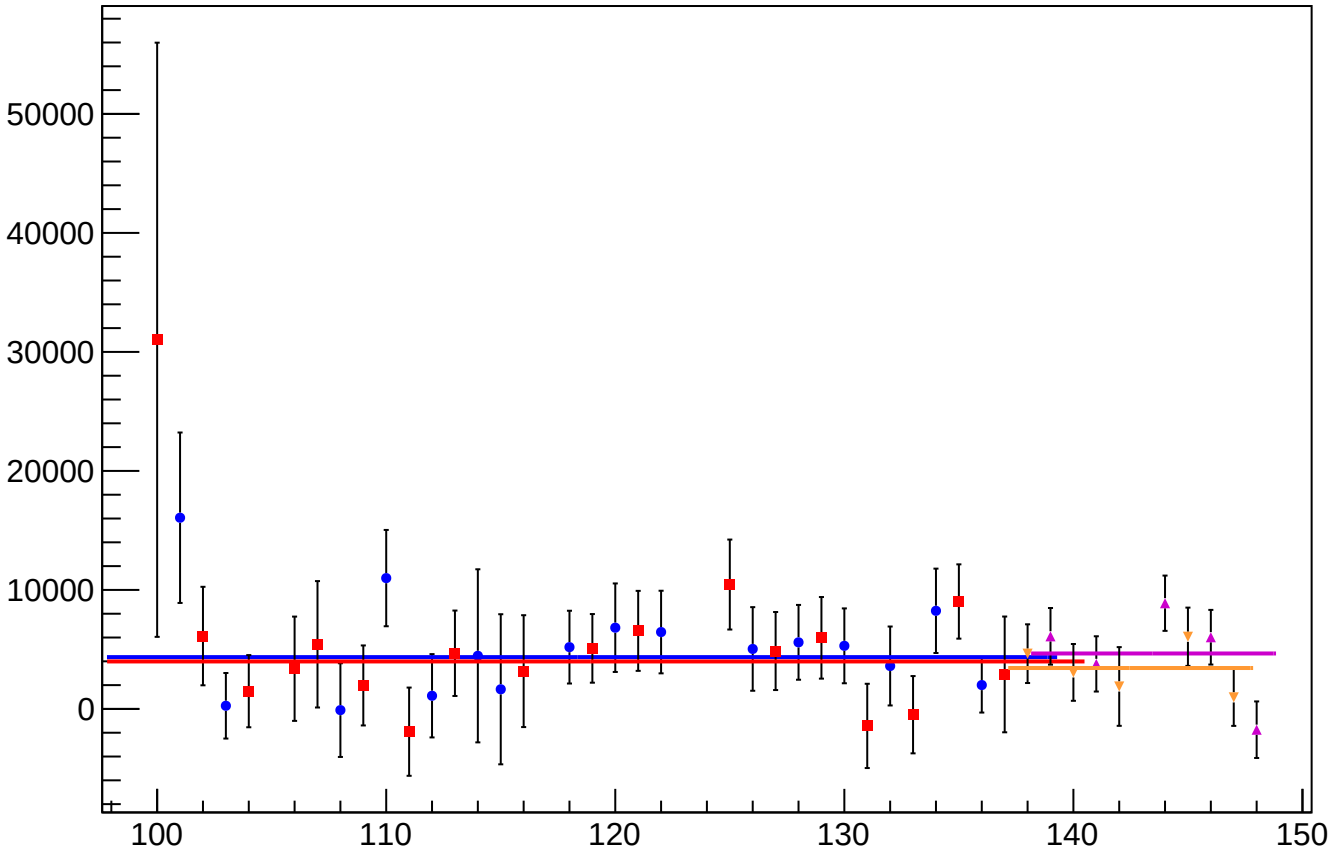
Left: 1945.053+/-0.506 χ^2/NDF: 1176725.3/9

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1792.596+/-0.384 χ^2/NDF:1110616.3/20

Out: 1690.245+/-0.387 χ^2/NDF:2337752.2/22

All: 1741.812+/-0.272 χ^2/NDF: 3483656.5/43



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3437.976+/-1137.923 χ^2/NDF:2.7/4

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4659.455+/-1045.889 χ^2/NDF:11.4/4

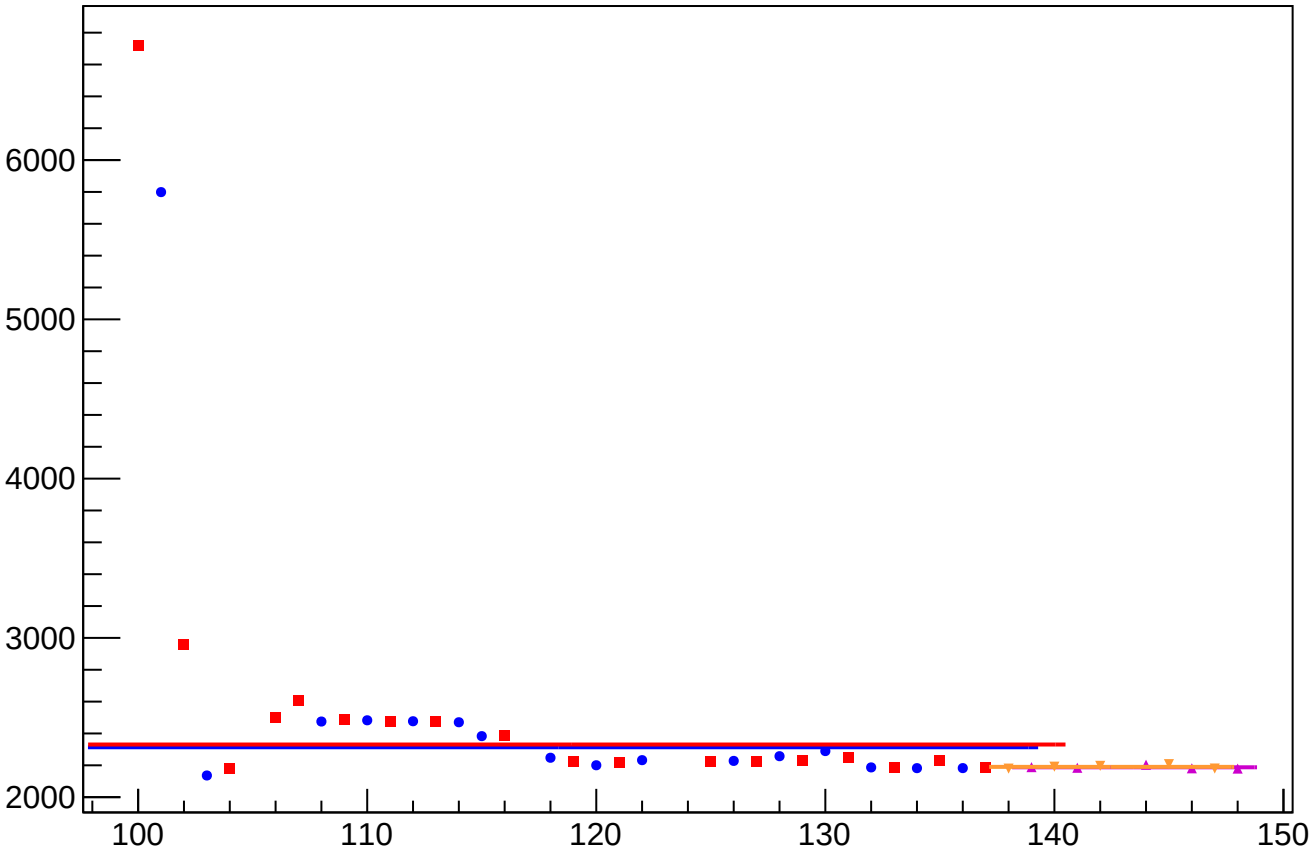
Left: 4100.102+/-770.039 χ^2/NDF: 14.8/9

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4479.599+/-671.181 χ^2/NDF:24.8/20

Out: 3785.855+/-691.872 χ^2/NDF:19.0/22

All: 4143.255+/-481.745 χ^2/NDF: 44.3/43



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

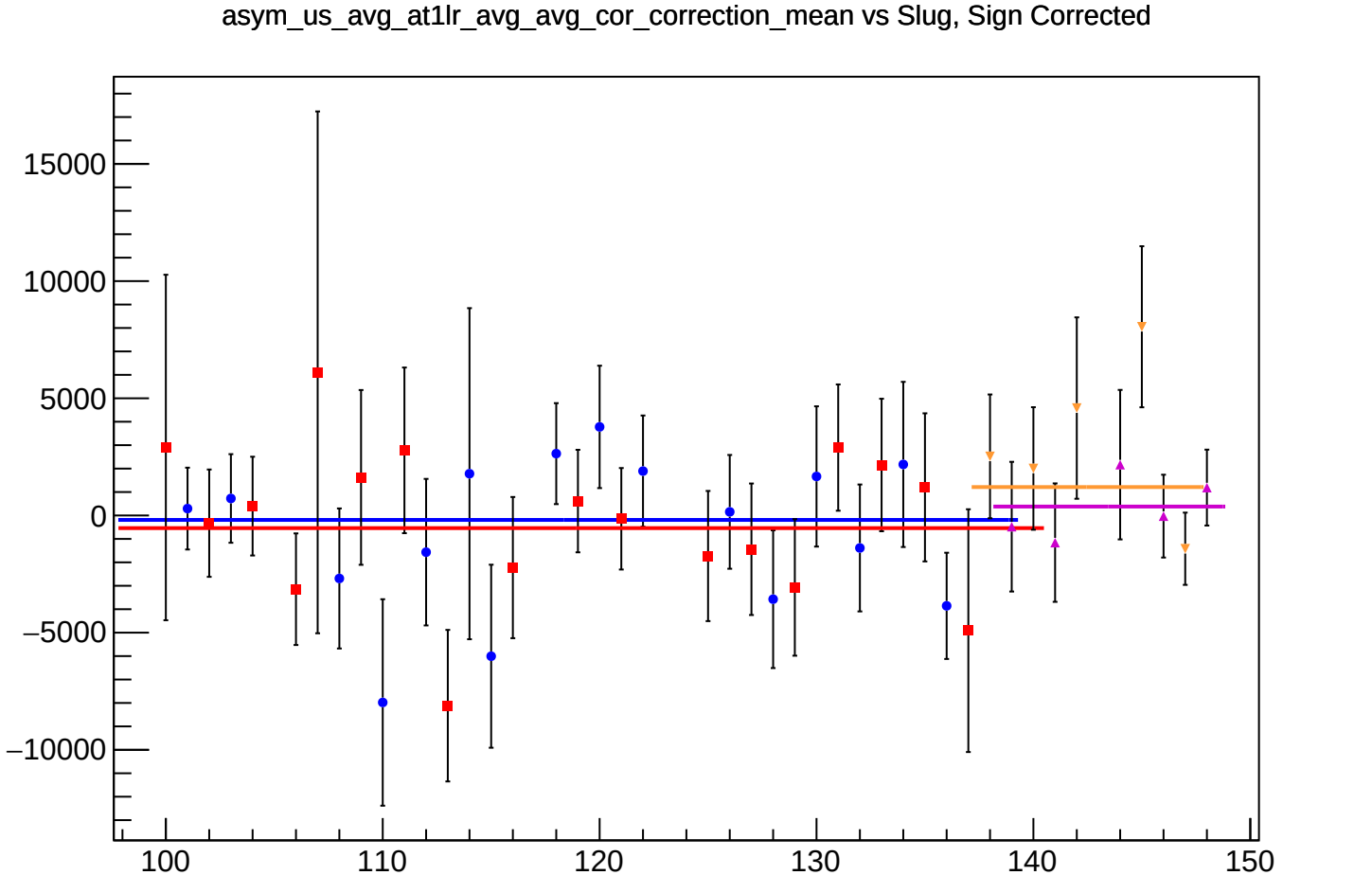
Left: 2188.794+/-0.544 χ^2/NDF: 325.3/9

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

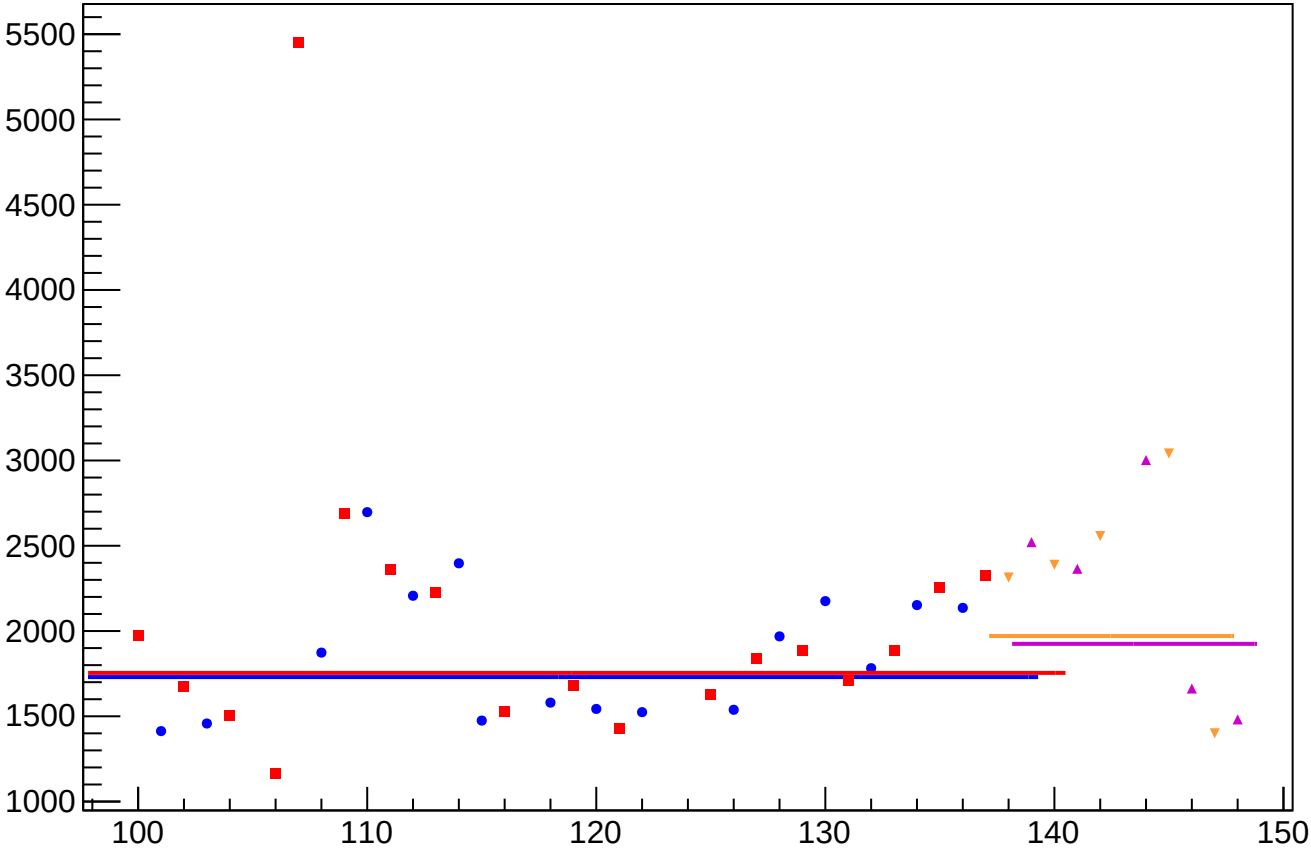
In: 2261.599+/-0.475 χ^2/NDF:529534.1/20

Out: 2278.683+/-0.489 χ^2/NDF:170917.4/22

All: 2269.881+/-0.341 χ^2/NDF: 701079.8/43


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 1212.148+/-1076.958 χ²/NDF:8.0/4
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 380.529+/-959.053 χ²/NDF:1.1/4
Left: 748.341+/-716.225 χ²/NDF: 9.4/9
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -7.156+/-542.691 χ²/NDF:17.8/20
Out: -42.100+/-573.896 χ²/NDF:23.8/22
All: -23.652+/-394.311 χ²/NDF: 41.5/43

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: 1970.569+/-0.762 χ^2/NDF:598927.7/4

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

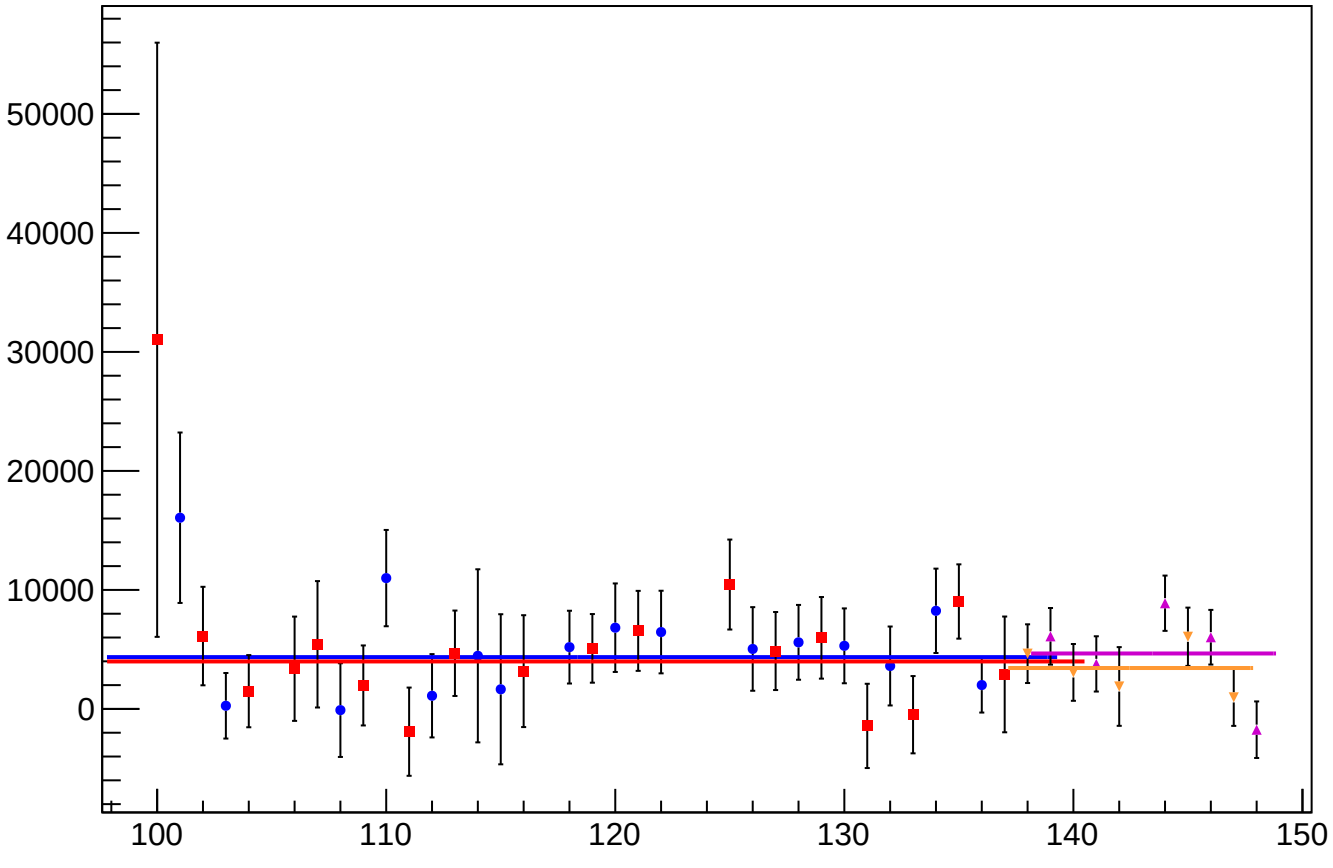
Left: 1945.054+/-0.506 χ^2/NDF: 1176710.1/9

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1792.312+/-0.384 χ^2/NDF:1111829.9/20

Out: 1815.876+/-0.406 χ^2/NDF:1407567.2/22

All: 1803.436+/-0.279 χ^2/NDF: 2521177.2/43



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3437.976+/-1137.923 χ^2/NDF:2.7/4

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4659.455+/-1045.889 χ^2/NDF:11.4/4

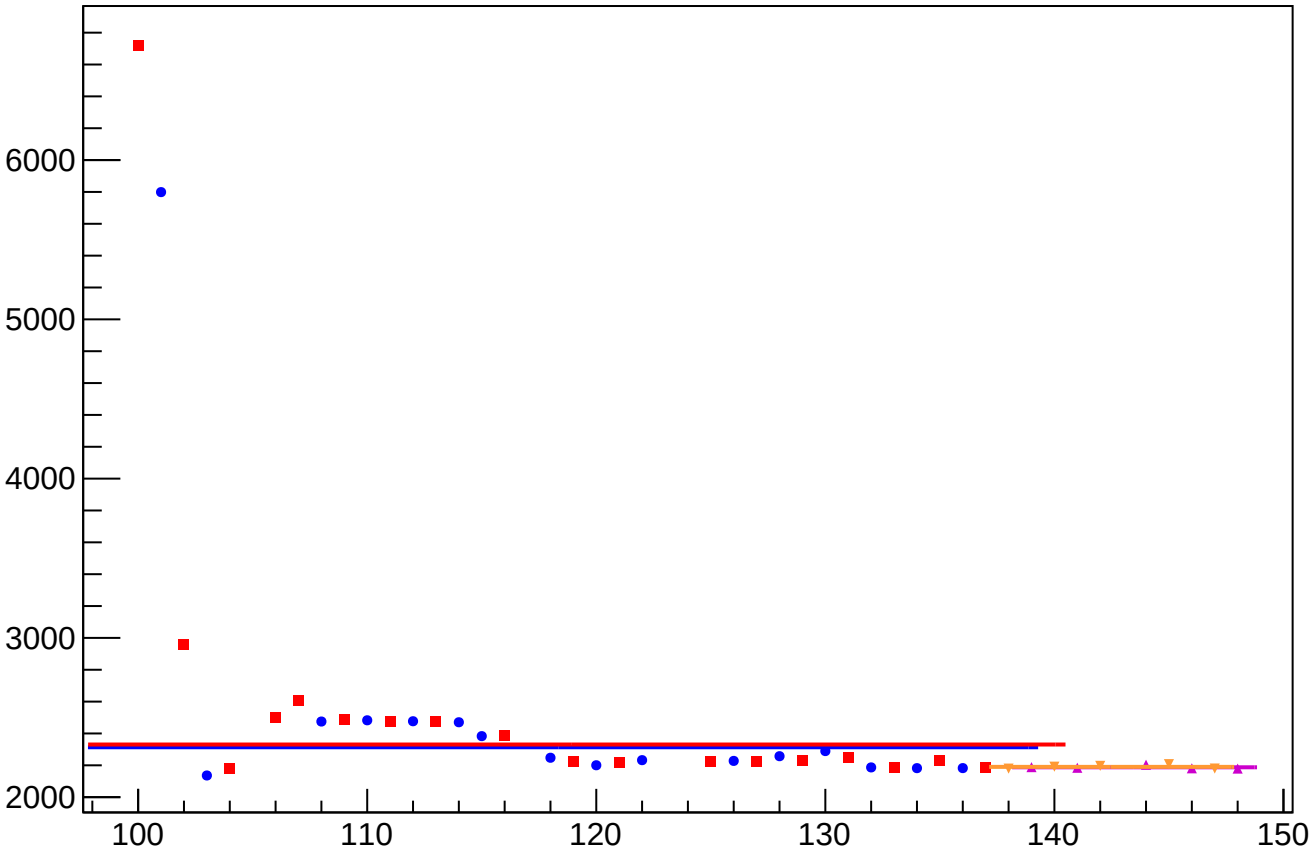
Left: 4100.102+/-770.039 χ^2/NDF: 14.8/9

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4479.599+/-671.181 χ^2/NDF:24.8/20

Out: 3785.855+/-691.872 χ^2/NDF:19.0/22

All: 4143.255+/-481.745 χ^2/NDF: 44.3/43



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

Left: 2188.794+/-0.544 χ^2/NDF: 325.3/9

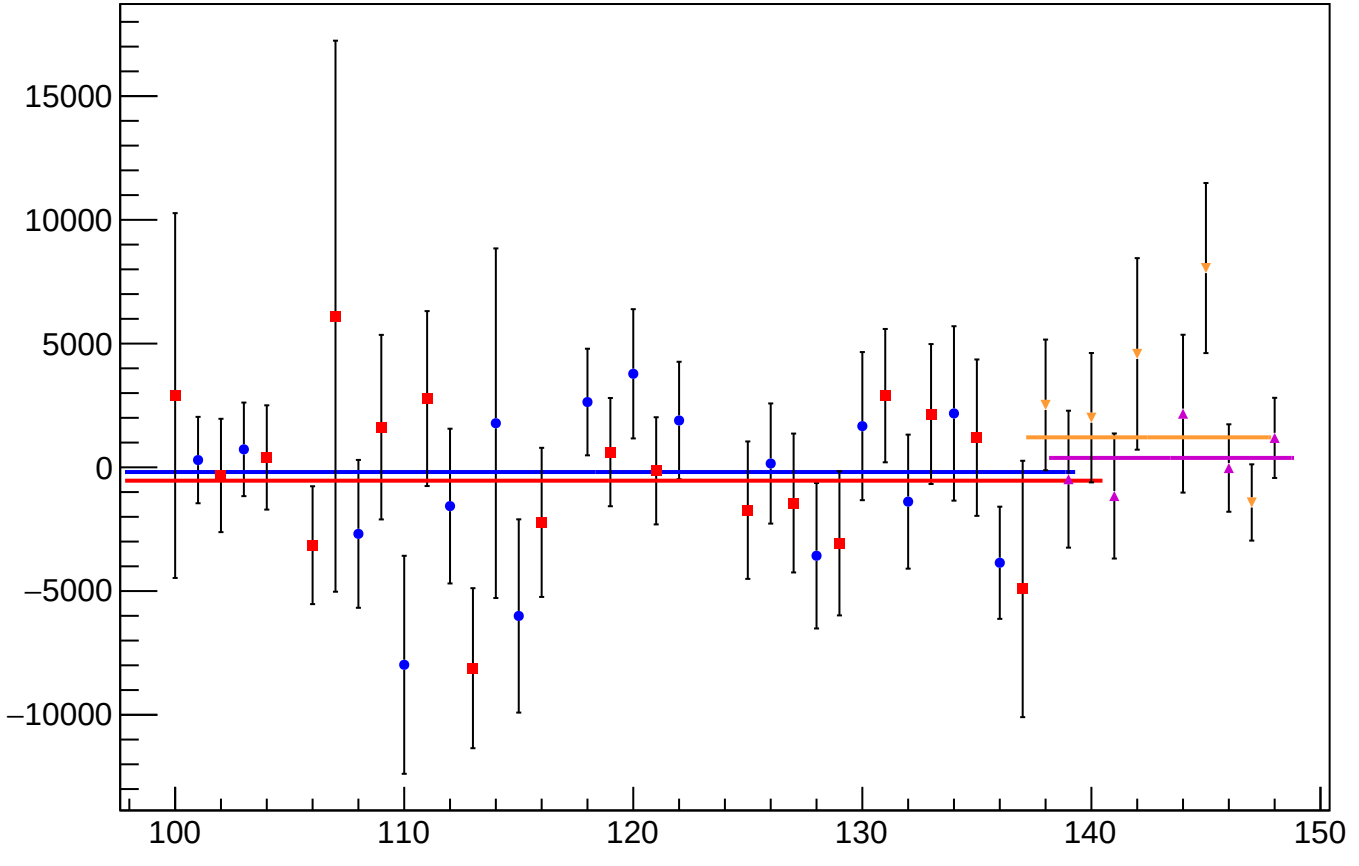
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2261.599+/-0.475 χ^2/NDF:529534.1/20

Out: 2278.683+/-0.489 χ^2/NDF:170917.4/22

All: 2269.881+/-0.341 χ^2/NDF: 701079.8/43

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: 1212.148+/-1076.958 χ^2/NDF:8.0/4

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 380.529+/-959.053 χ^2/NDF:1.1/4

Left: 748.341+/-716.225 χ^2/NDF: 9.4/9

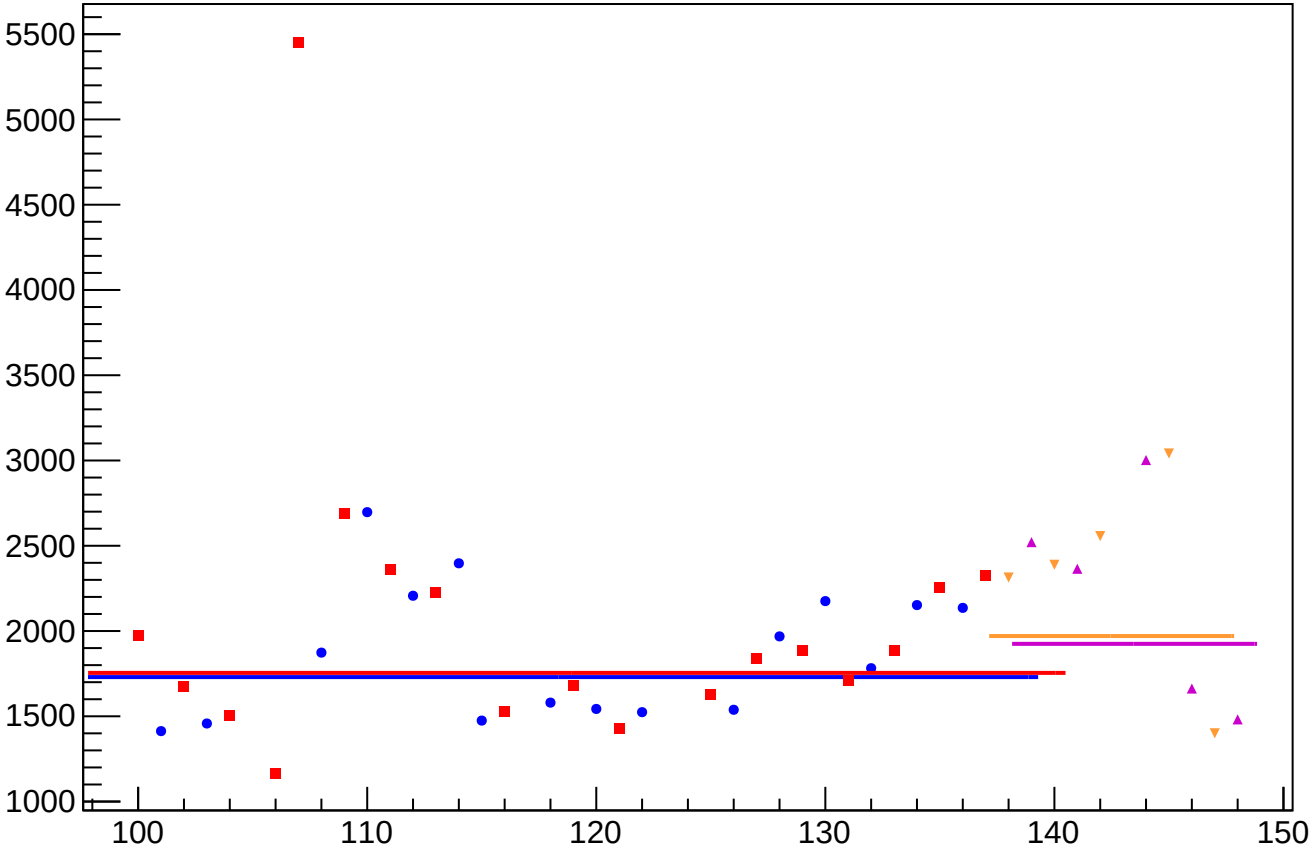
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -7.156+/-542.691 χ^2/NDF:17.8/20

Out: -42.100+/-573.896 χ^2/NDF:23.8/22

All: -23.652+/-394.311 χ^2/NDF: 41.5/43

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: 1970.569+/-0.762 χ^2/NDF:598927.7/4

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

Left: 1945.054+/-0.506 χ^2/NDF: 1176710.1/9

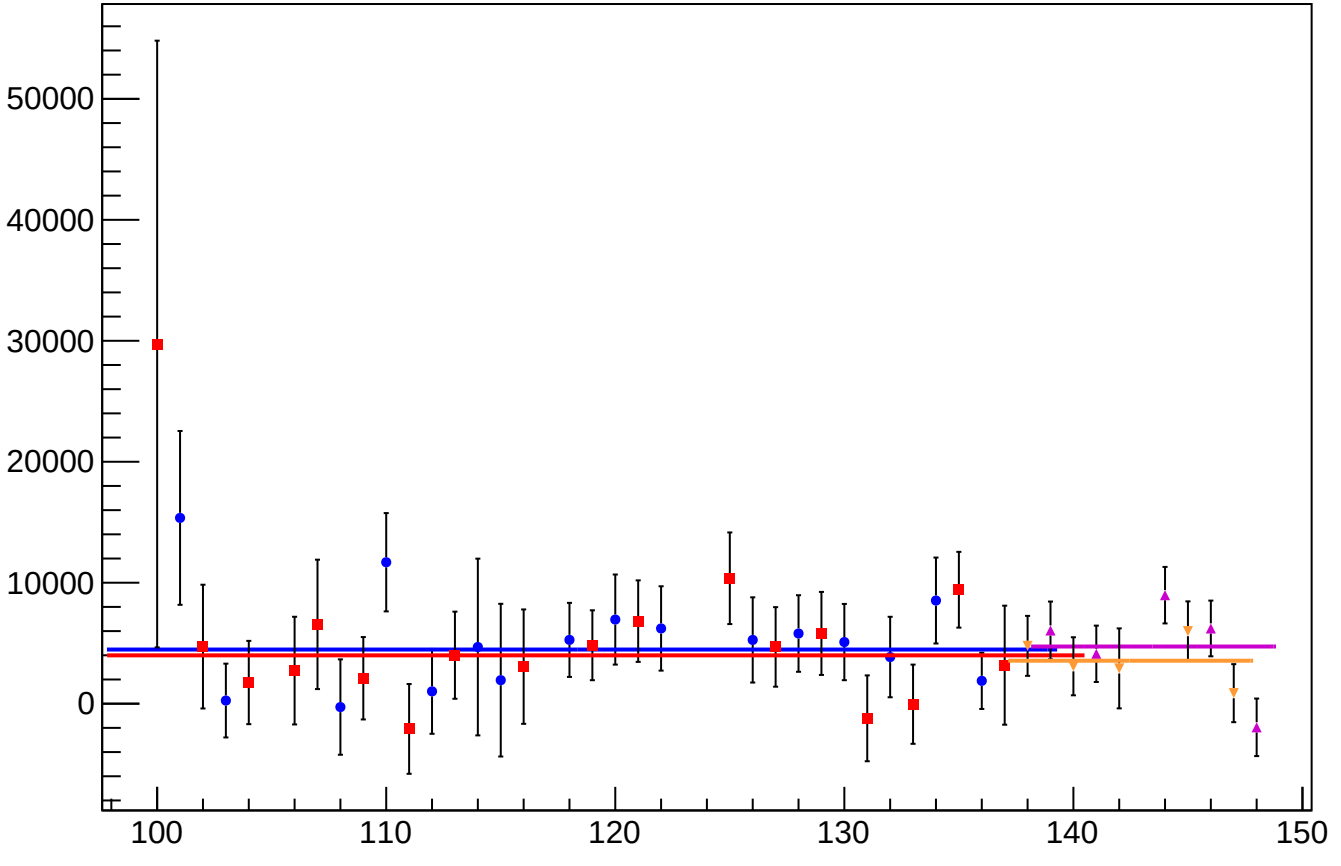
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1792.312+/-0.384 χ^2/NDF:1111829.9/20

Out: 1815.876+/-0.406 χ^2/NDF:1407567.2/22

All: 1803.436+/-0.279 χ^2/NDF: 2521177.2/43

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: 3551.606+/-1141.969 χ^2/NDF:2.6/4

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4726.374+/-1049.519 χ^2/NDF:12.0/4

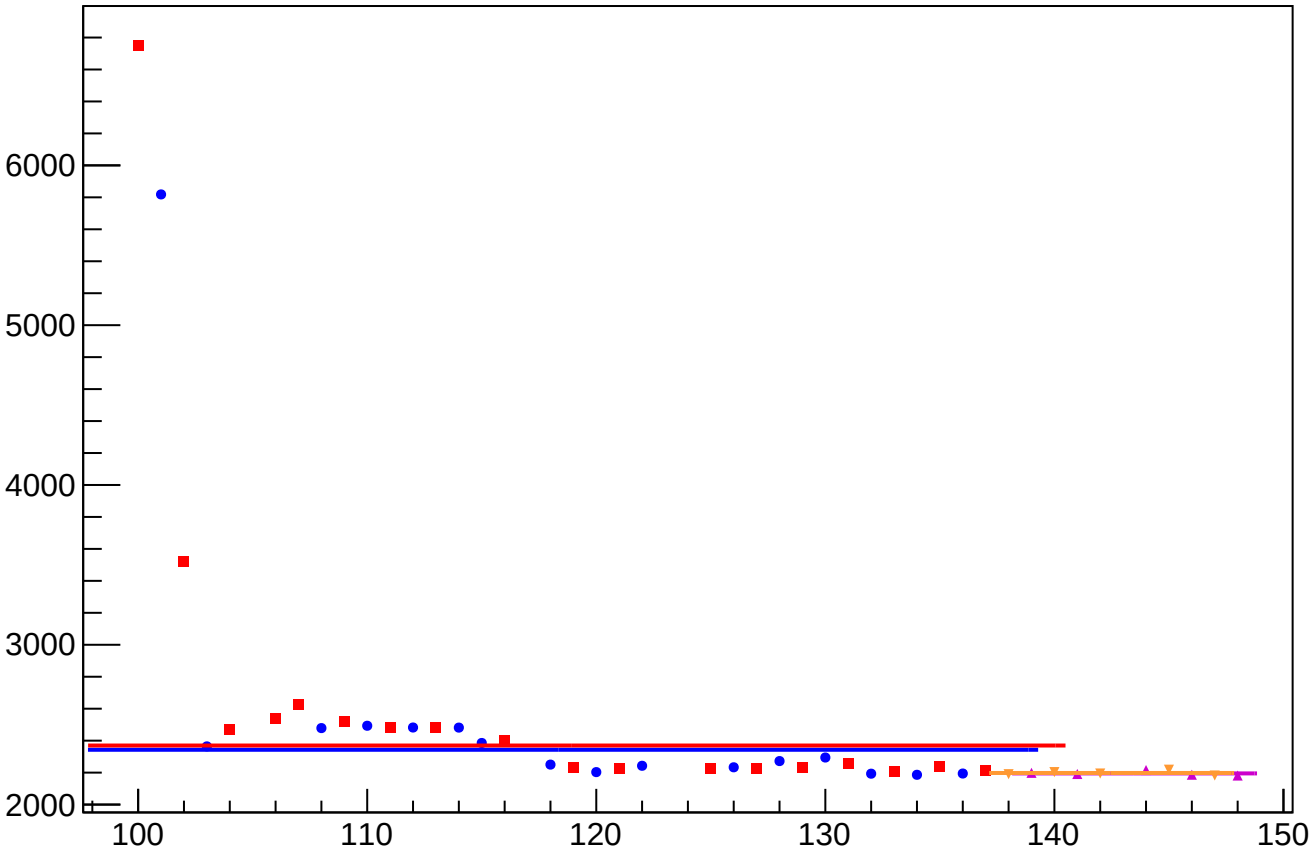
Left: 4188.461+/-772.742 χ^2/NDF: 15.1/9

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4580.448+/-677.052 χ^2/NDF:25.6/20

Out: 3827.851+/-702.203 χ^2/NDF:18.1/22

All: 4217.868+/-487.397 χ^2/NDF: 44.3/43



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2197.756+/-0.807 χ^2/NDF:257.9/4

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.019+/-0.742 χ^2/NDF:261.9/4

Left: 2196.272+/-0.546 χ^2/NDF: 526.0/9

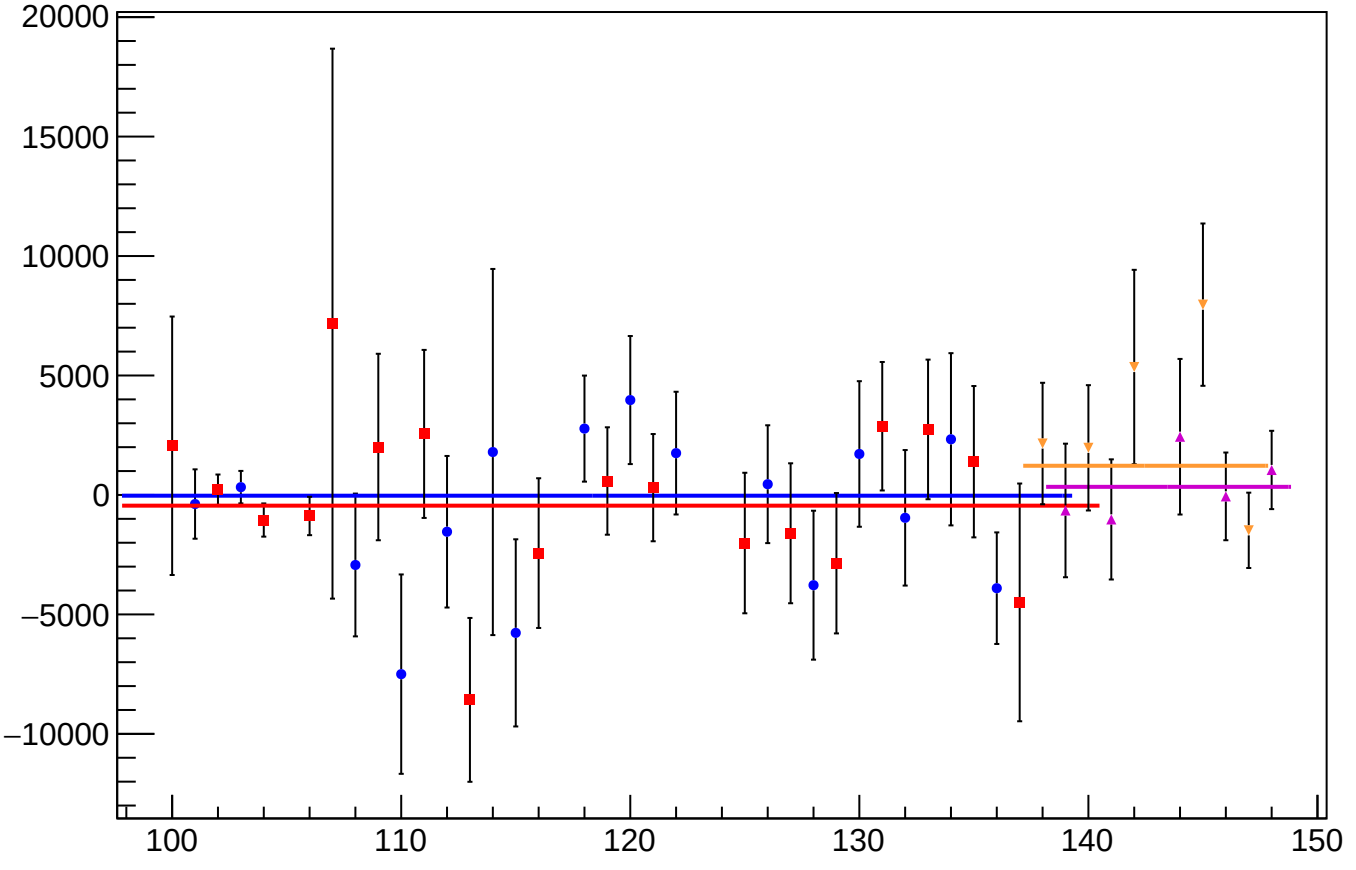
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2281.365+/-0.479 χ^2/NDF:526315.6/20

Out: 2304.607+/-0.497 χ^2/NDF:238561.1/22

All: 2292.563+/-0.345 χ^2/NDF: 766012.1/43

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 1221.744+/-1084.900 χ^2/NDF:8.1/4

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 339.697+/-976.078 χ^2/NDF:1.1/4

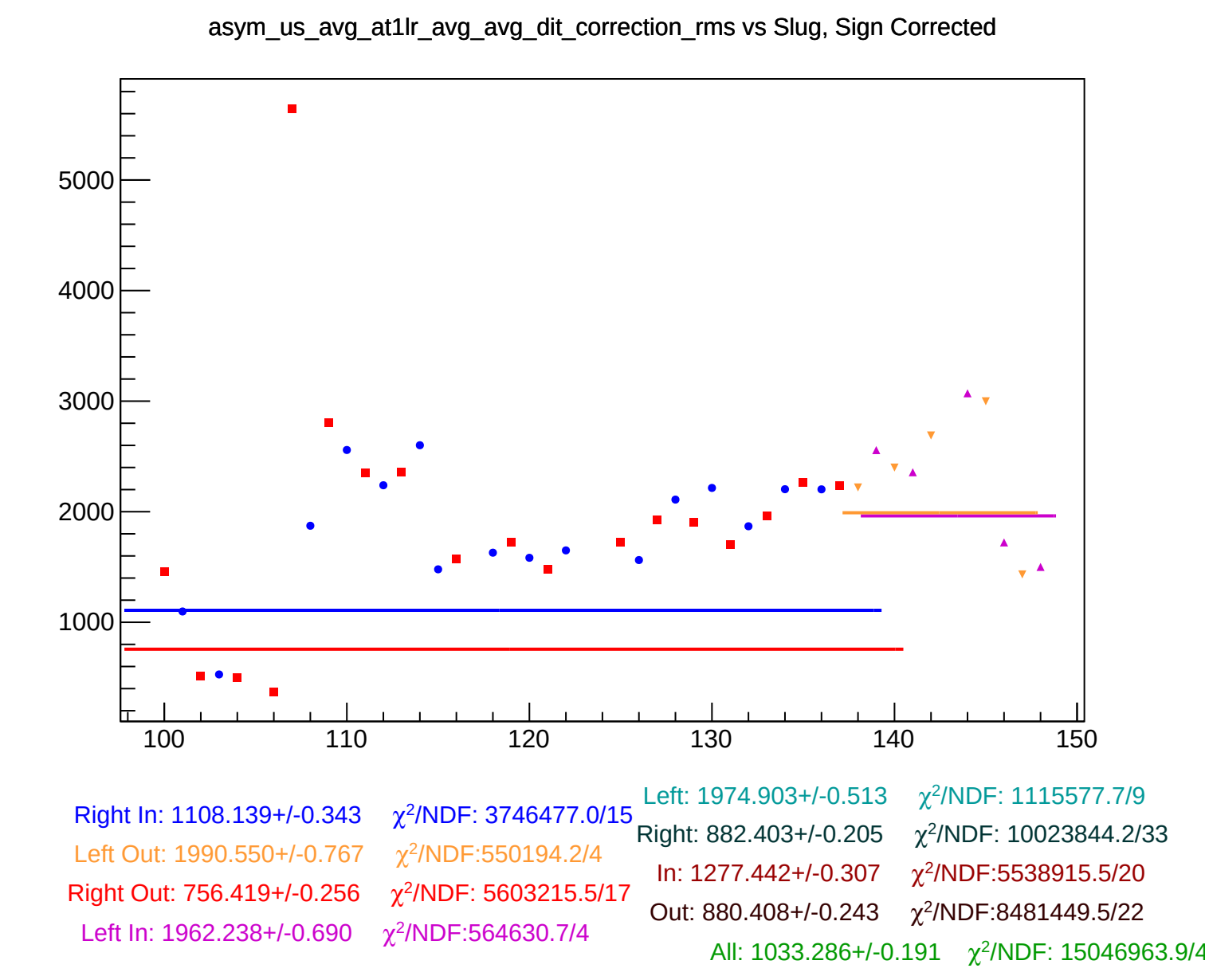
Left: 734.277+/-725.623 χ^2/NDF: 9.6/9

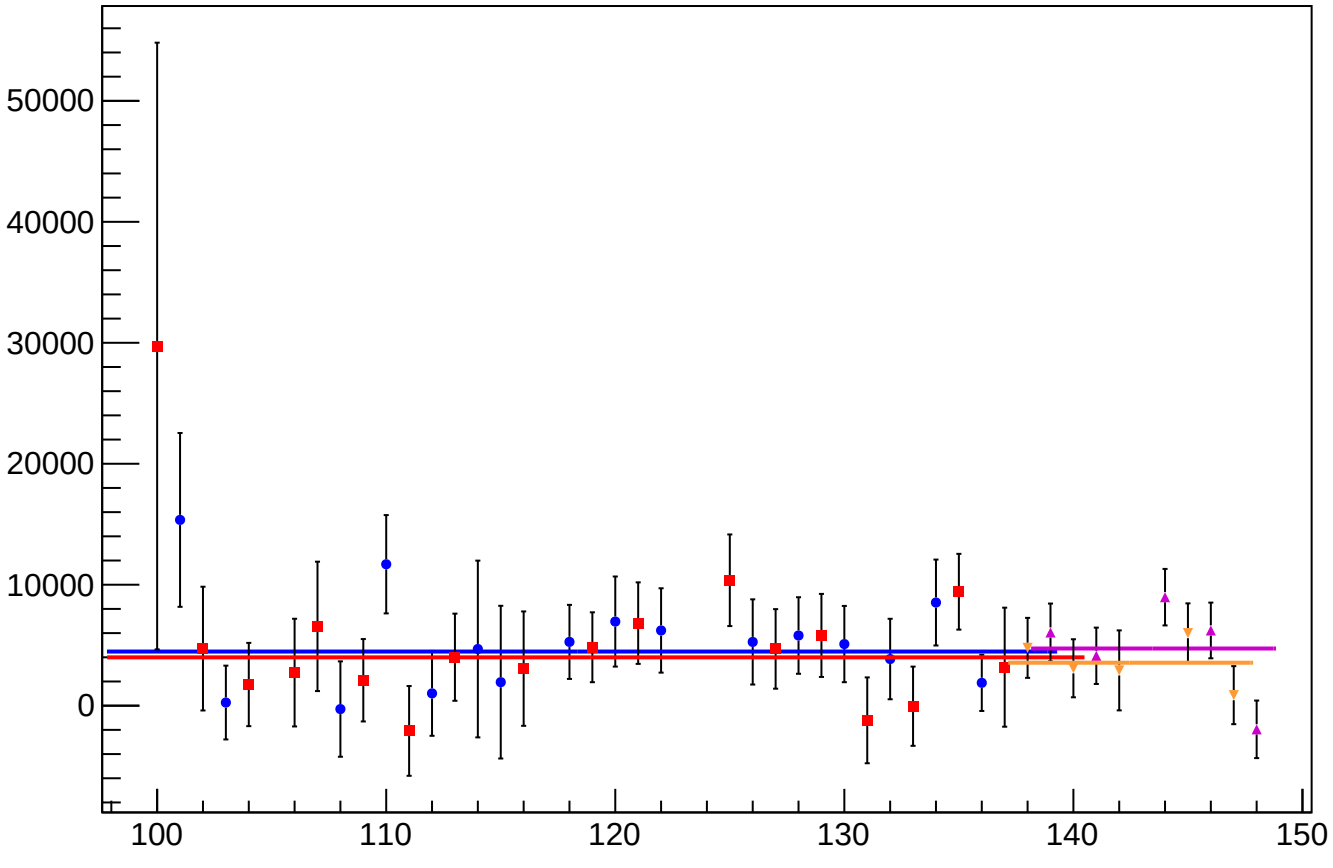
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 42.166+/-434.573 χ^2/NDF:17.5/20

Out: -280.481+/-343.875 χ^2/NDF:25.4/22

All: -156.246+/-269.663 χ^2/NDF: 43.2/43


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1108.139+/-0.343 χ²/NDF: 3746477.0/15
Left Out: 1990.550+/-0.767 χ²/NDF:550194.2/4
Right Out: 756.419+/-0.256 χ²/NDF: 5603215.5/17
Left In: 1962.238+/-0.690 χ²/NDF:564630.7/4
Left: 1974.903+/-0.513 χ²/NDF: 1115577.7/9
Right: 882.403+/-0.205 χ²/NDF: 10023844.2/33
In: 1277.442+/-0.307 χ²/NDF:5538915.5/20
Out: 880.408+/-0.243 χ²/NDF:8481449.5/22
All: 1033.286+/-0.191 χ²/NDF: 15046963.9/4



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3551.612+/-1141.969 χ^2/NDF:2.6/4

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4726.374+/-1049.519 χ^2/NDF:12.0/4

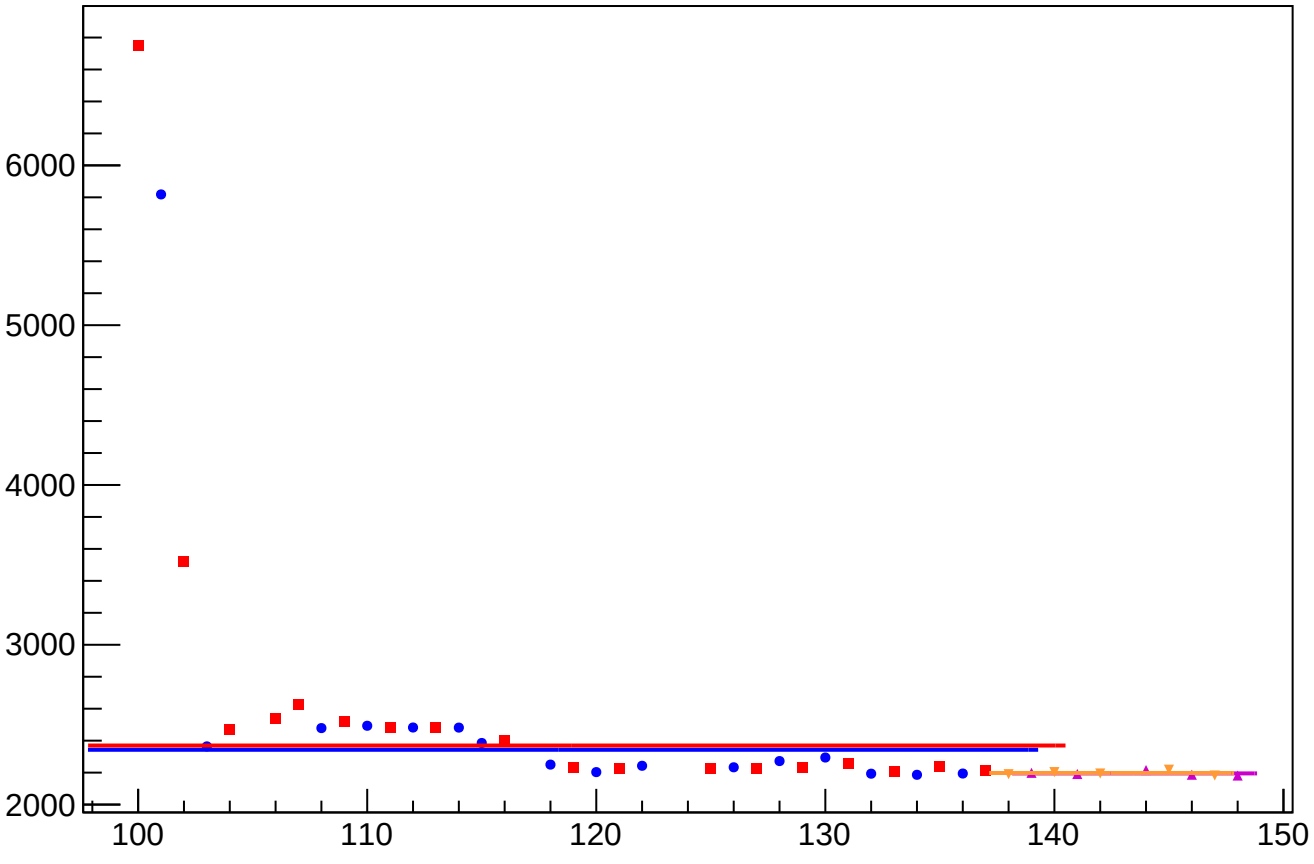
Left: 4188.463+/-772.742 χ^2/NDF: 15.1/9

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4580.445+/-677.052 χ^2/NDF:25.6/20

Out: 3827.851+/-702.203 χ^2/NDF:18.1/22

All: 4217.867+/-487.397 χ^2/NDF: 44.3/43



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2197.756+/-0.807 χ^2/NDF:257.9/4

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.019+/-0.742 χ^2/NDF:261.9/4

Left: 2196.272+/-0.546 χ^2/NDF: 526.0/9

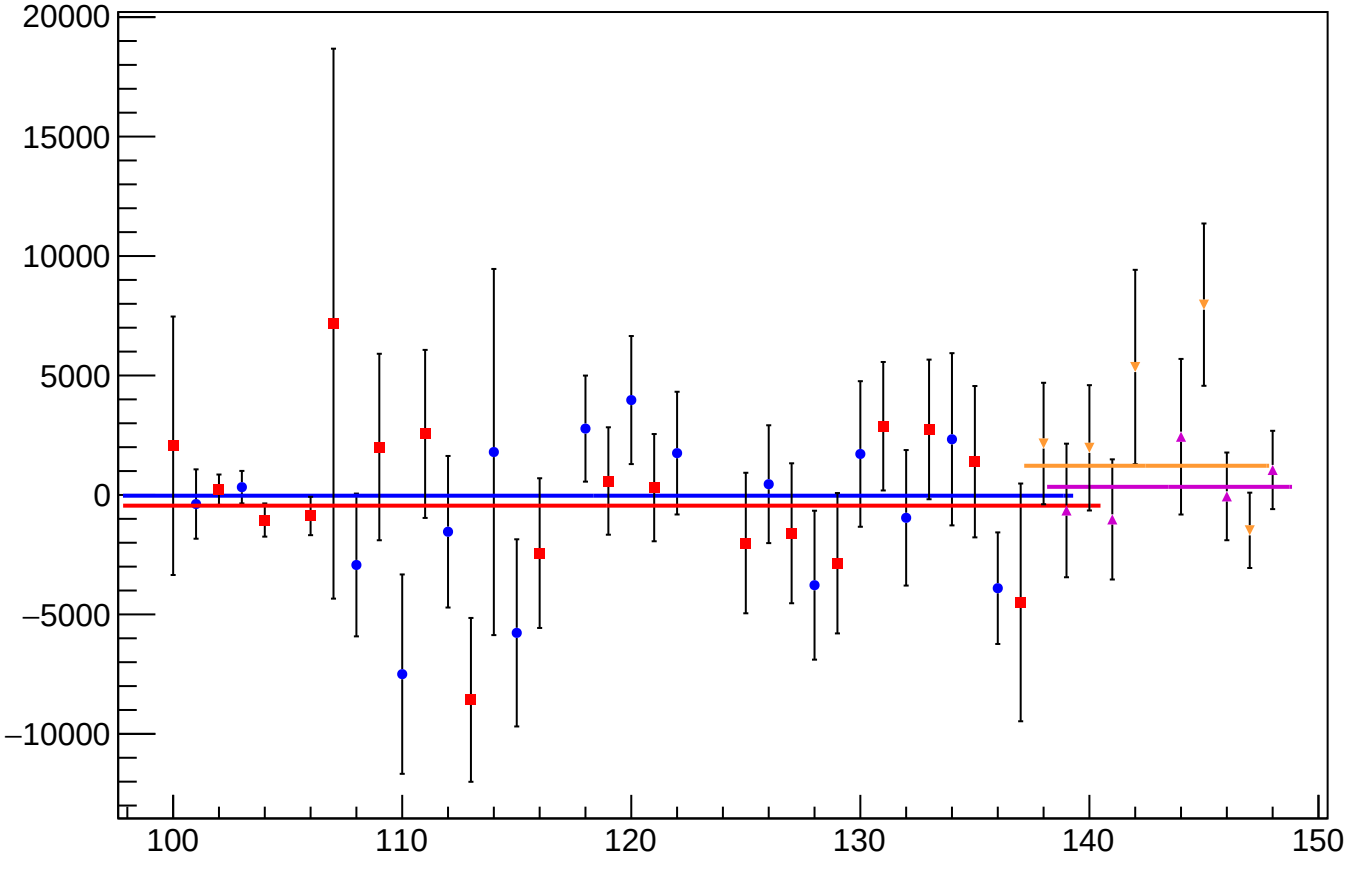
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2281.365+/-0.479 χ^2/NDF:526315.4/20

Out: 2304.607+/-0.497 χ^2/NDF:238559.8/22

All: 2292.562+/-0.345 χ^2/NDF: 766010.7/43

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: 1221.742+/-1084.902 χ^2/NDF:8.1/4

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 339.696+/-976.080 χ^2/NDF:1.1/4

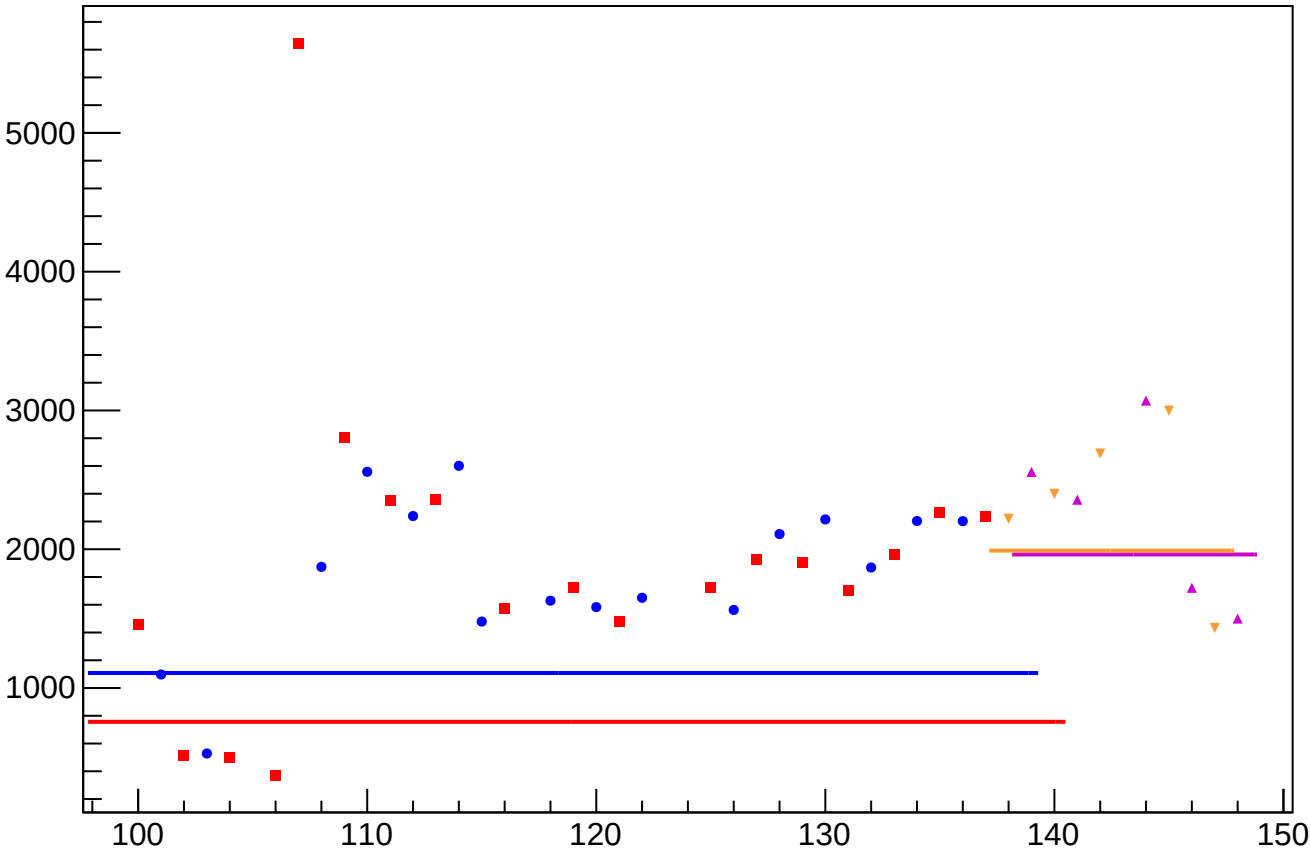
Left: 734.276+/-725.625 χ^2/NDF: 9.6/9

Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 42.161+/-434.575 χ^2/NDF:17.5/20

Out: -280.481+/-343.879 χ^2/NDF:25.4/22

All: -156.247+/-269.665 χ^2/NDF: 43.2/43



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1990.553+/-0.767 χ^2/NDF:550194.4/4

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1962.241+/-0.690 χ^2/NDF:564630.6/4

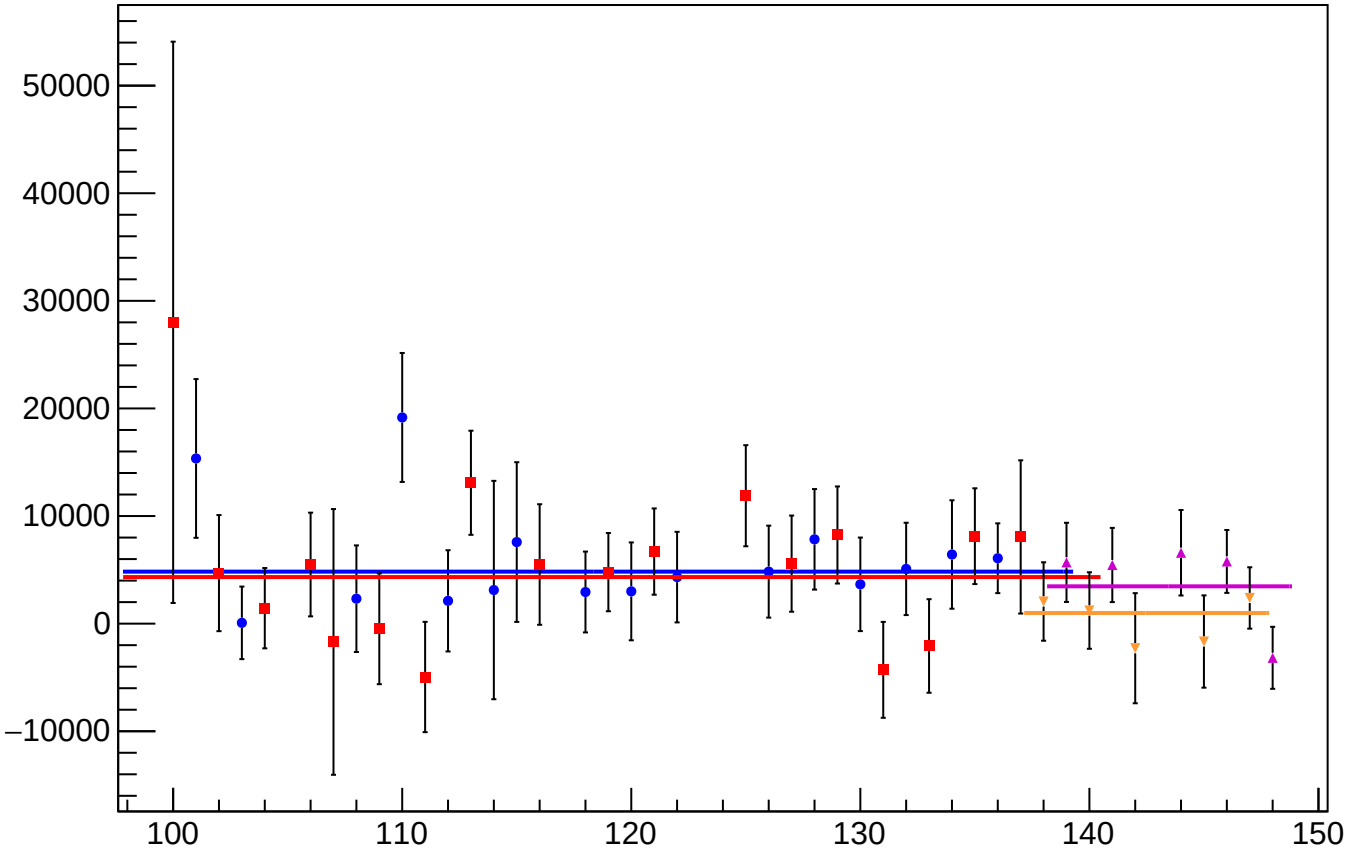
Left: 1974.907+/-0.513 χ^2/NDF: 1115577.8/9

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1277.452+/-0.307 χ^2/NDF:5538816.1/20

Out: 880.424+/-0.243 χ^2/NDF:8481273.8/22

All: 1033.301+/-0.191 χ^2/NDF: 15046638.0/4



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 992.894+/-1644.012 χ^2/NDF:1.1/4

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3468.152+/-1476.021 χ^2/NDF:7.3/4

Left: 2363.412+/-1098.310 χ^2/NDF: 9.6/9

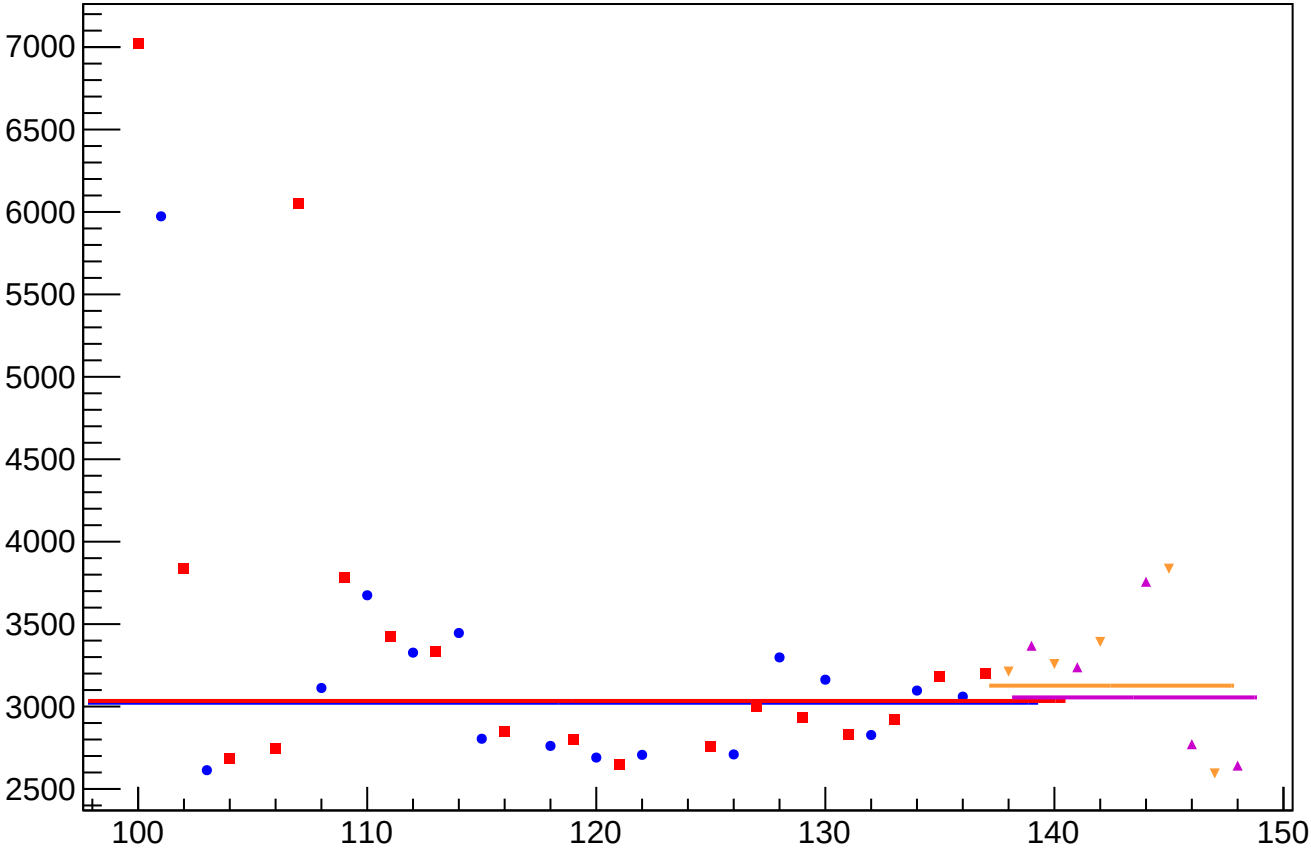
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4322.126+/-903.486 χ^2/NDF:19.5/20

Out: 3239.649+/-939.324 χ^2/NDF:23.8/22

All: 3801.931+/-651.162 χ^2/NDF: 43.9/43

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3126.663+/-1.162 χ^2/NDF:133653.9/4

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3055.383+/-1.044 χ^2/NDF:142640.4/4

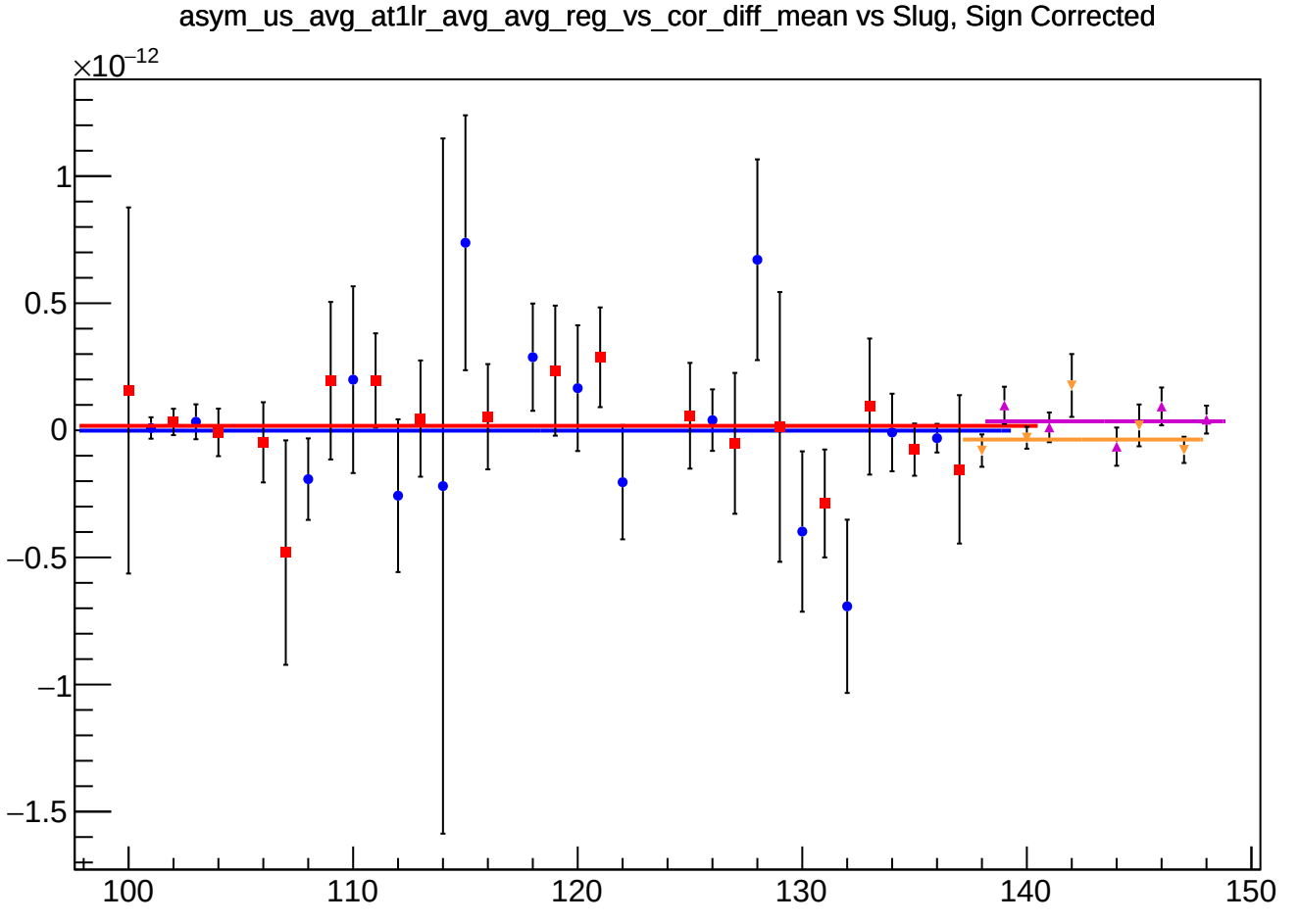
Left: 3087.196+/-0.777 χ^2/NDF: 278376.0/9

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3035.176+/-0.639 χ^2/NDF:586945.6/20

Out: 3064.161+/-0.664 χ^2/NDF:480620.3/22

All: 3049.105+/-0.460 χ^2/NDF: 1068555.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/4

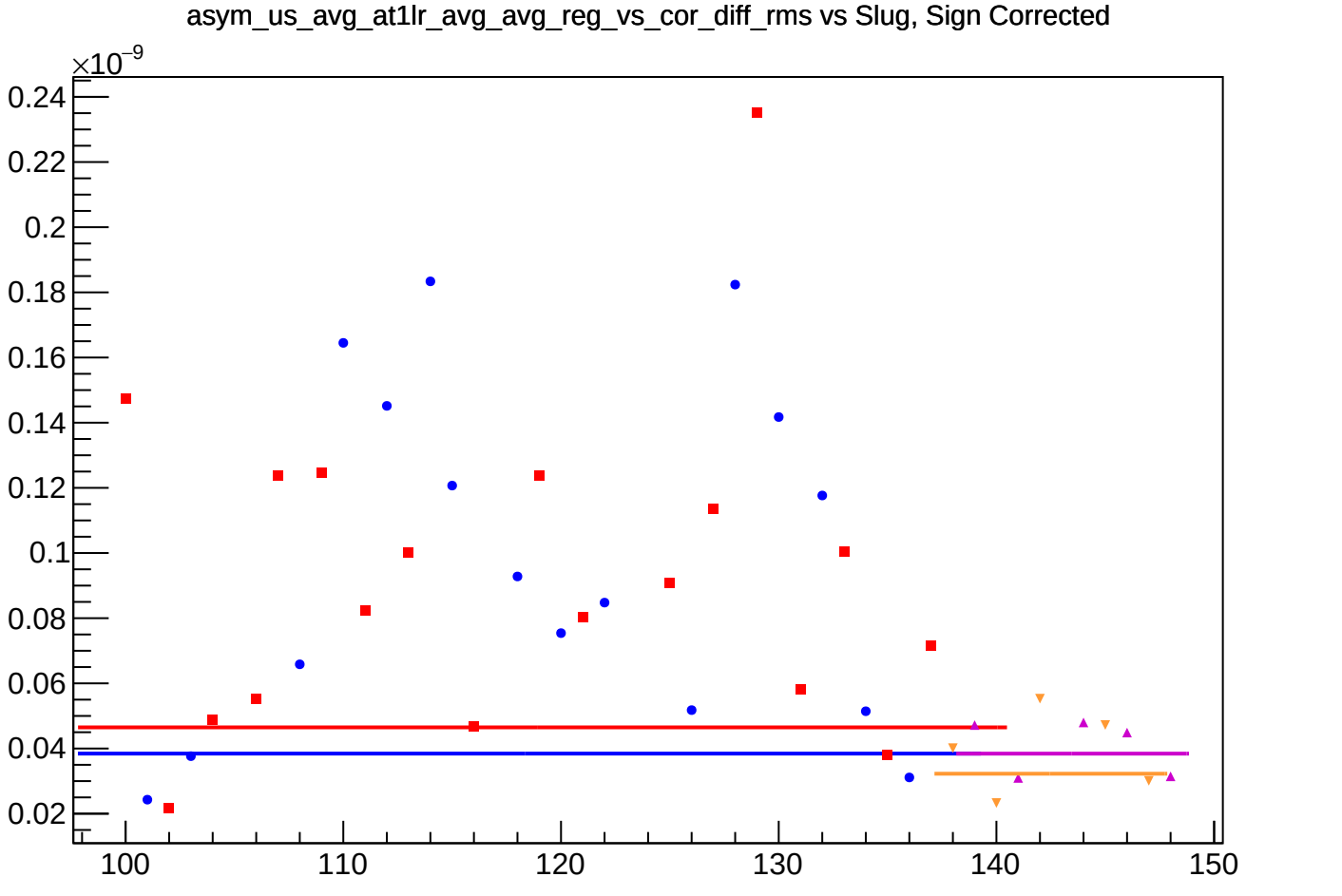
Left: -0.000+/-0.000 χ^2/NDF: 11.0/9

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

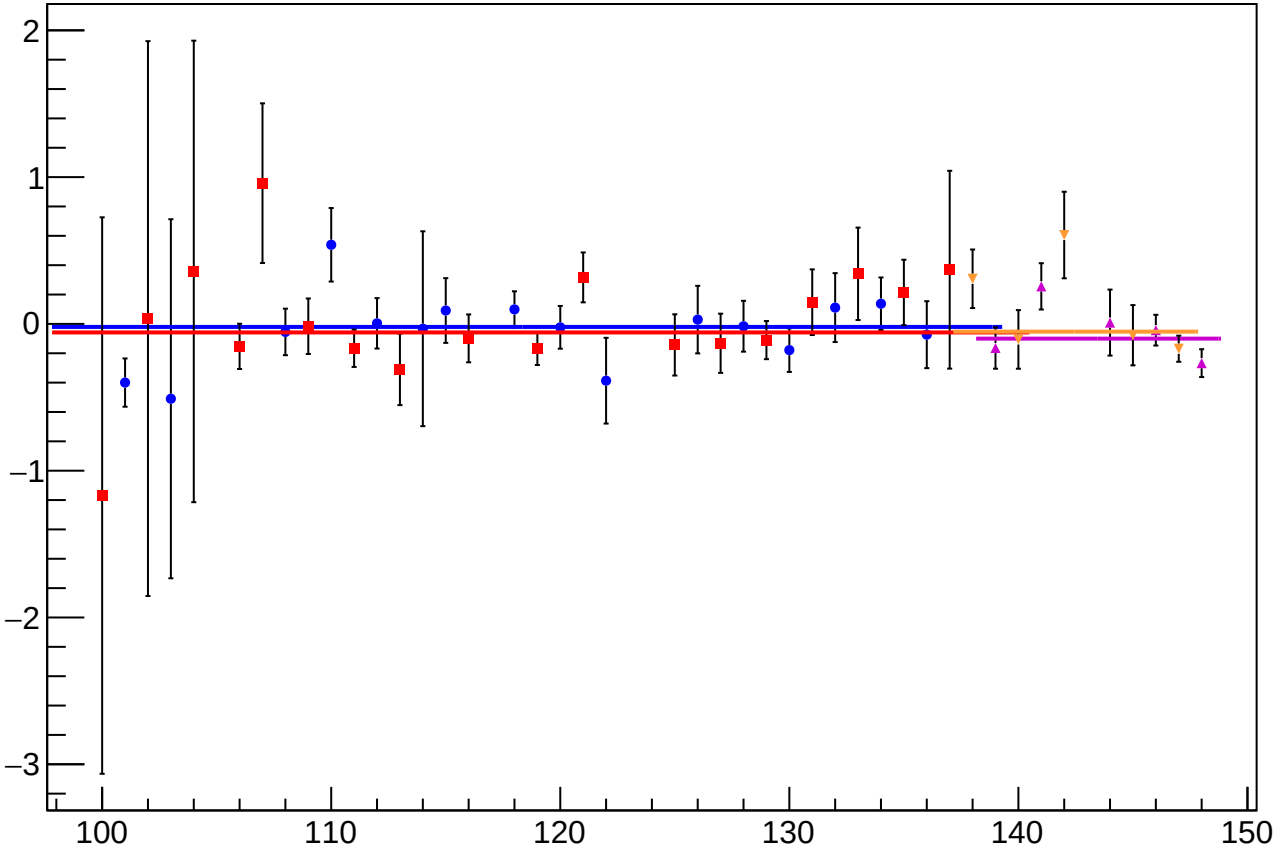
In: 0.000+/-0.000 χ^2/NDF:21.2/20

Out: -0.000+/-0.000 χ^2/NDF:15.0/22

All: 0.000+/-0.000 χ^2/NDF: 37.4/43


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:256168.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:140858.1/4
Left: 0.000+/-0.000 χ²/NDF: 444953.3/9
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:1912263.5/20
Out: 0.000+/-0.000 χ²/NDF:2164176.4/22
All: 0.000+/-0.000 χ²/NDF: 4077836.7/43

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: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.100+/-0.057 χ^2/NDF:8.9/4

Left: -0.081+/-0.044 χ^2/NDF: 19.3/9

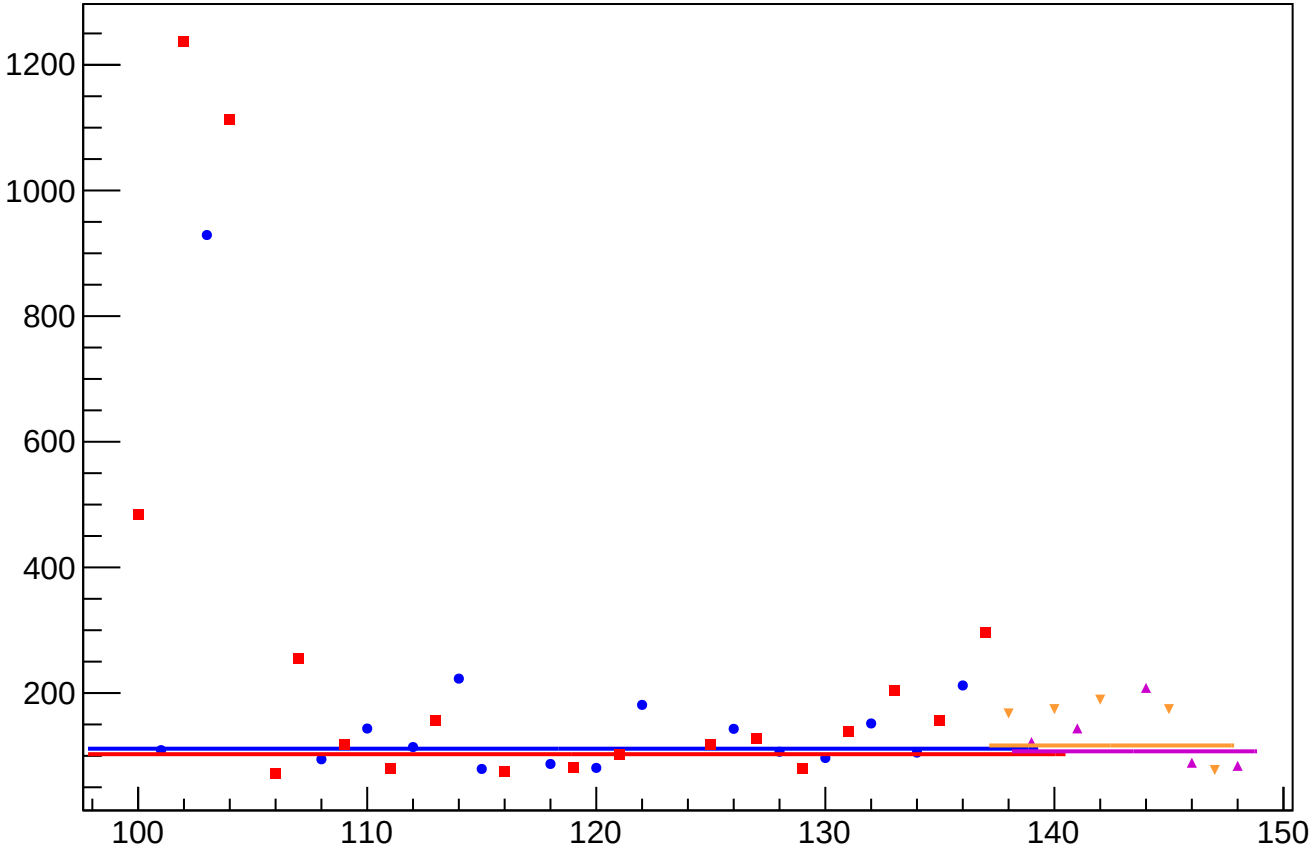
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.055+/-0.026 χ^2/NDF: 52.6/43

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: 116.546+/-0.049 χ^2/NDF:965616.2/4

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 107.207+/-0.040 χ^2/NDF:711054.6/4

Left: 110.980+/-0.031 χ^2/NDF: 1698694.5/9

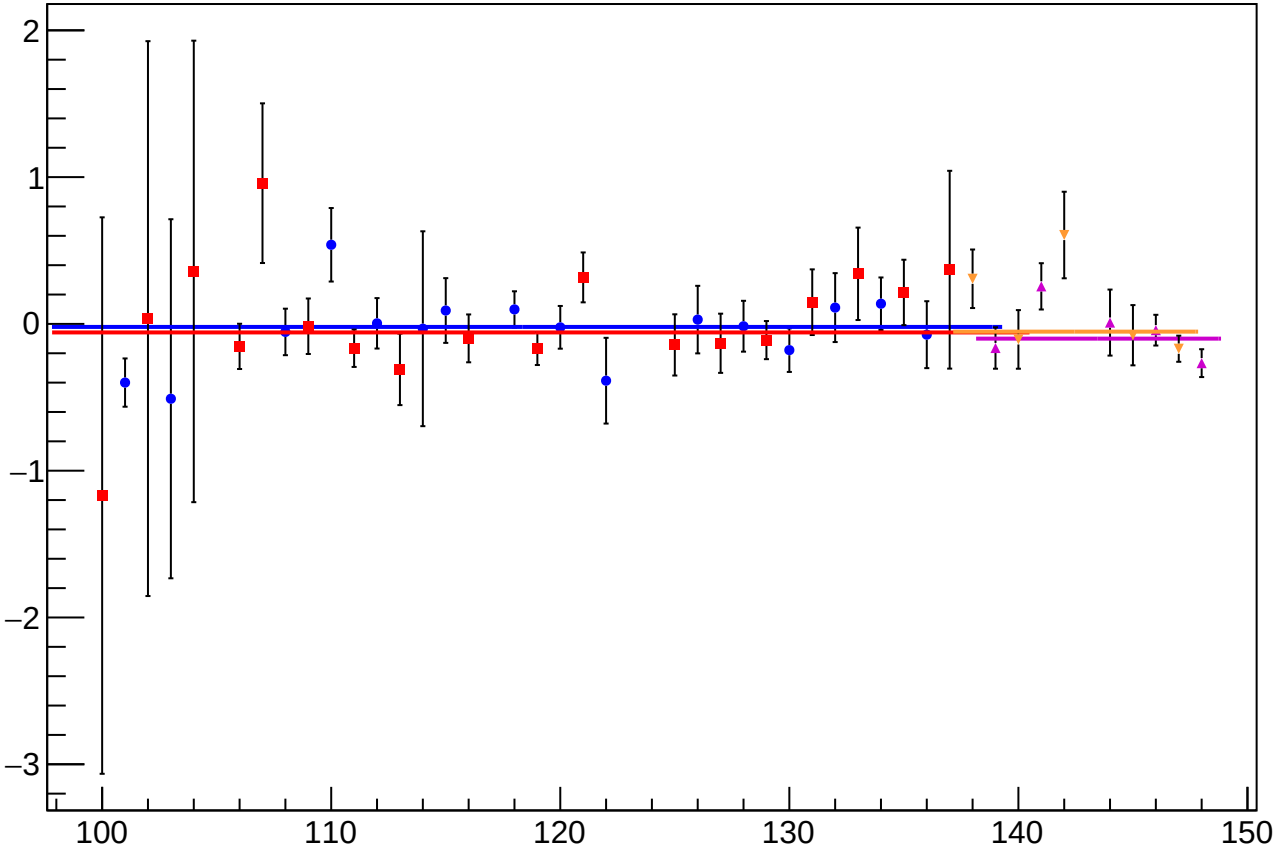
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 109.664+/-0.026 χ^2/NDF:2556866.3/20

Out: 107.019+/-0.027 χ^2/NDF:3848469.6/22

All: 108.413+/-0.019 χ^2/NDF: 6410324.6/43

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: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.100+/-0.057 χ^2/NDF:8.9/4

Left: -0.081+/-0.044 χ^2/NDF: 19.3/9

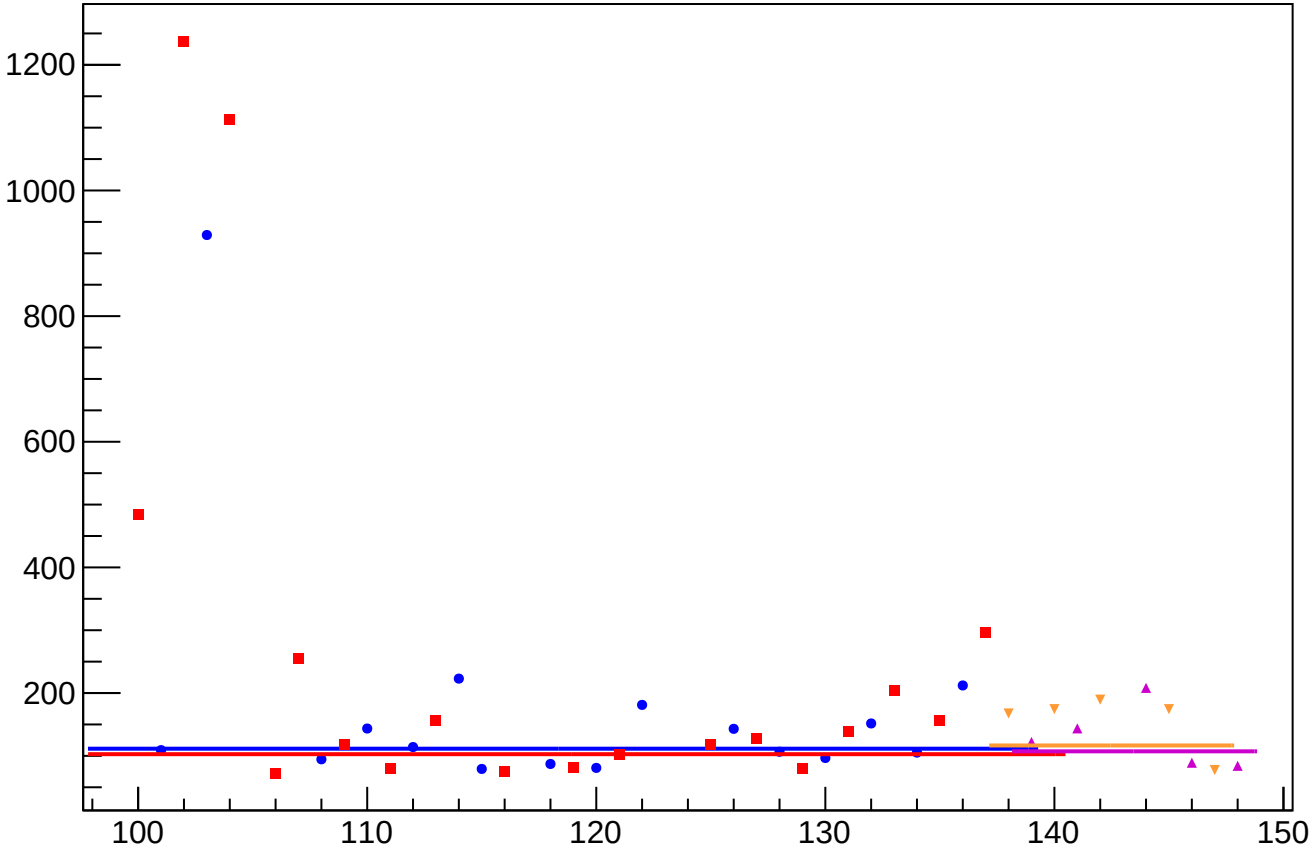
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.055+/-0.026 χ^2/NDF: 52.6/43

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: 116.546+/-0.049 χ^2/NDF:965616.2/4

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 107.207+/-0.040 χ^2/NDF:711054.6/4

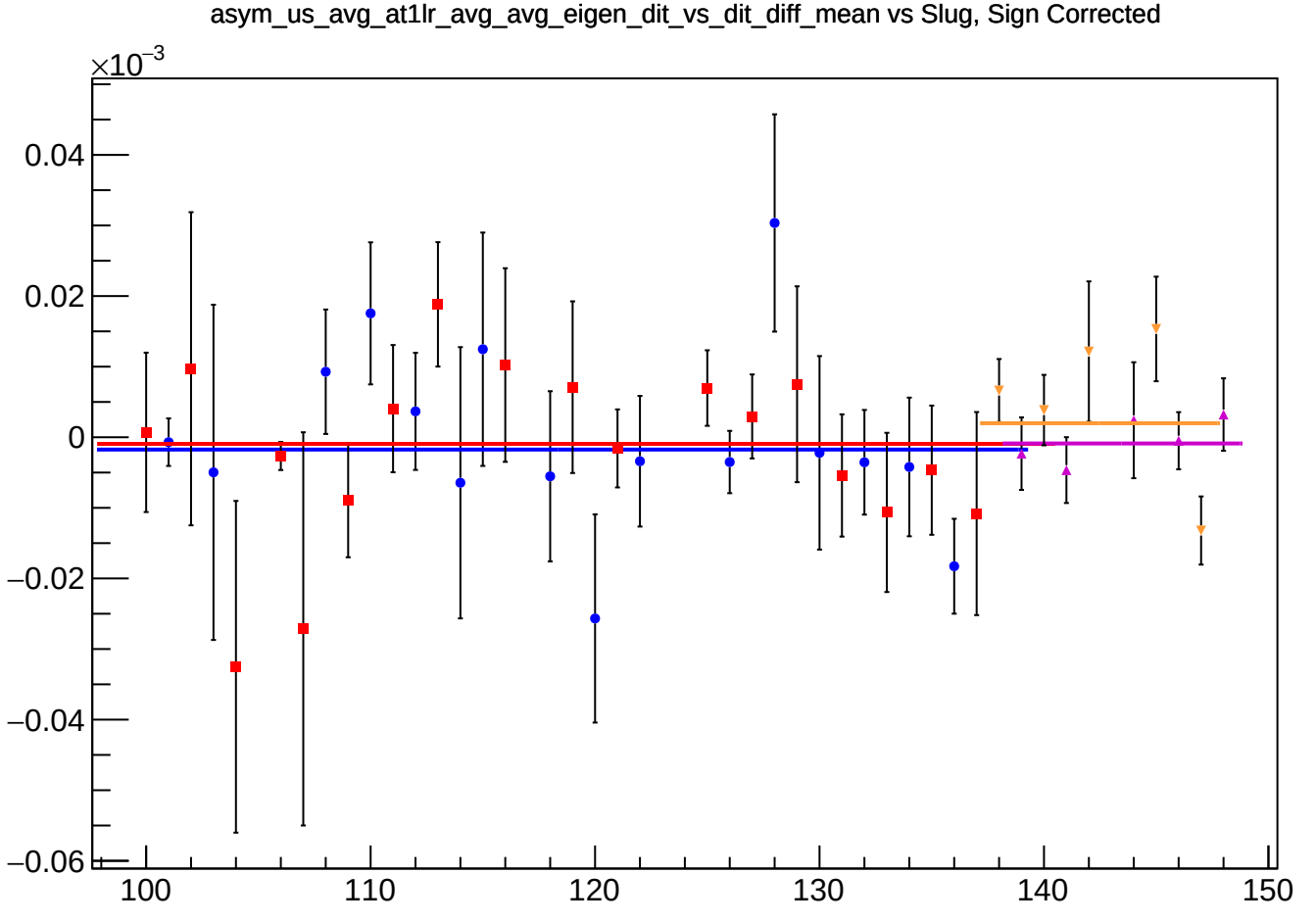
Left: 110.980+/-0.031 χ^2/NDF: 1698694.5/9

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 109.664+/-0.026 χ^2/NDF:2556866.3/20

Out: 107.019+/-0.027 χ^2/NDF:3848469.6/22

All: 108.413+/-0.019 χ^2/NDF: 6410324.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

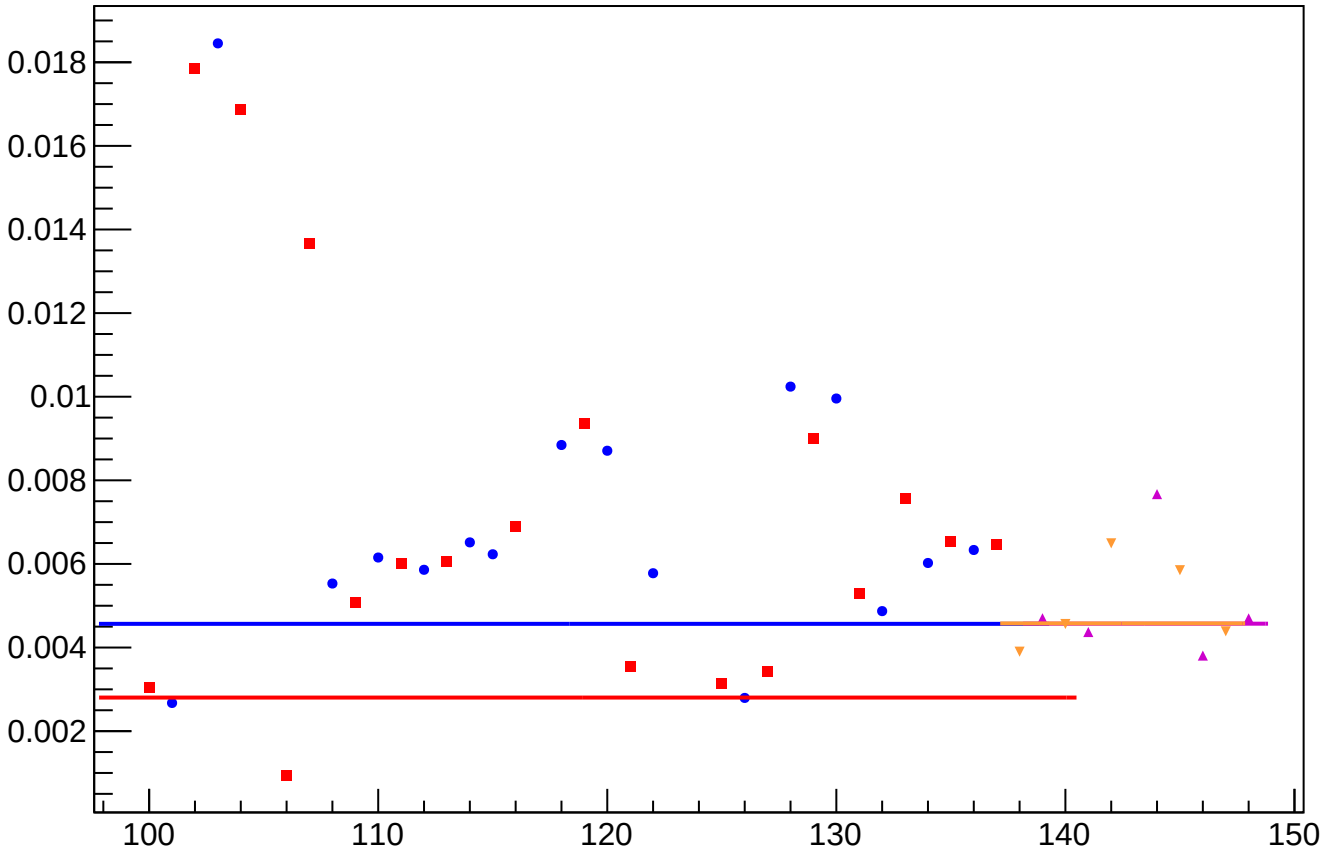
Left: 0.000+/-0.000 χ^2/NDF: 17.7/9

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: -0.000+/-0.000 χ^2/NDF:21.7/20

Out: -0.000+/-0.000 χ^2/NDF:32.2/22

All: -0.000+/-0.000 χ^2/NDF: 54.2/43



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:182170.1/4

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:362191.3/4

Left: 0.005+/-0.000 χ^2/NDF: 544369.7/9

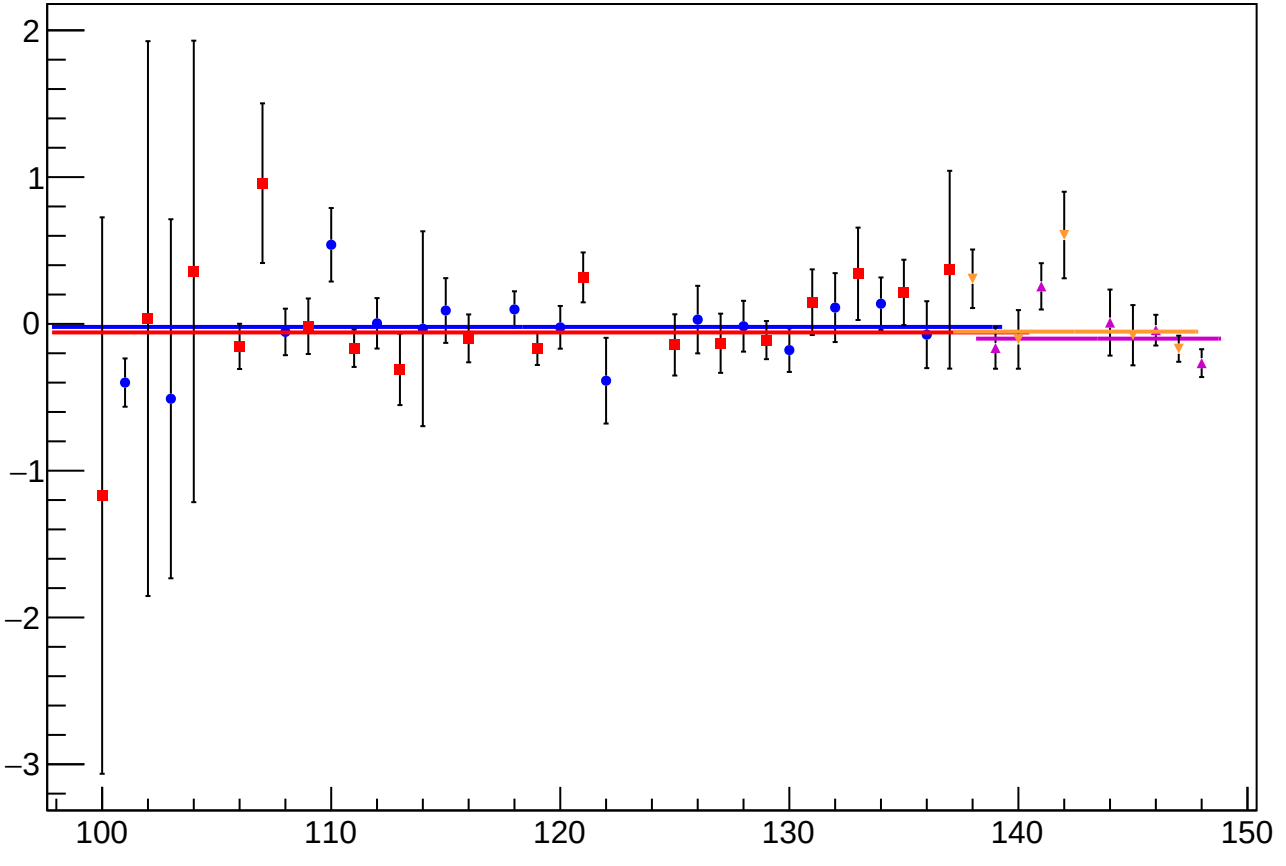
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3374452.2/20

Out: 0.003+/-0.000 χ^2/NDF:7543709.2/22

All: 0.004+/-0.000 χ^2/NDF: 11820281.8/43

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: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.100+/-0.057 χ^2/NDF:8.9/4

Left: -0.081+/-0.044 χ^2/NDF: 19.3/9

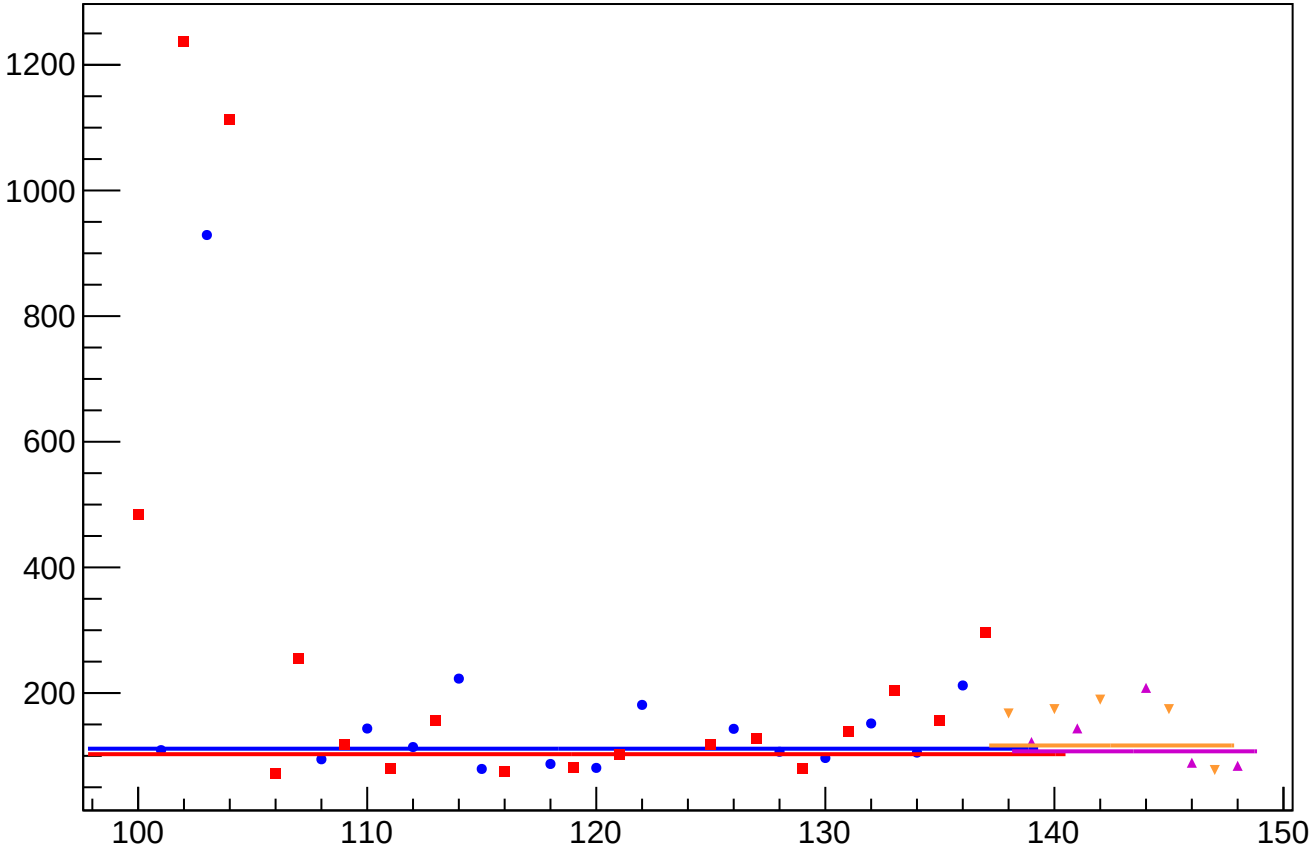
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.055+/-0.026 χ^2/NDF: 52.6/43

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: 116.546+/-0.049 χ^2/NDF:965596.0/4

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 107.207+/-0.040 χ^2/NDF:711056.6/4

Left: 110.980+/-0.031 χ^2/NDF: 1698677.3/9

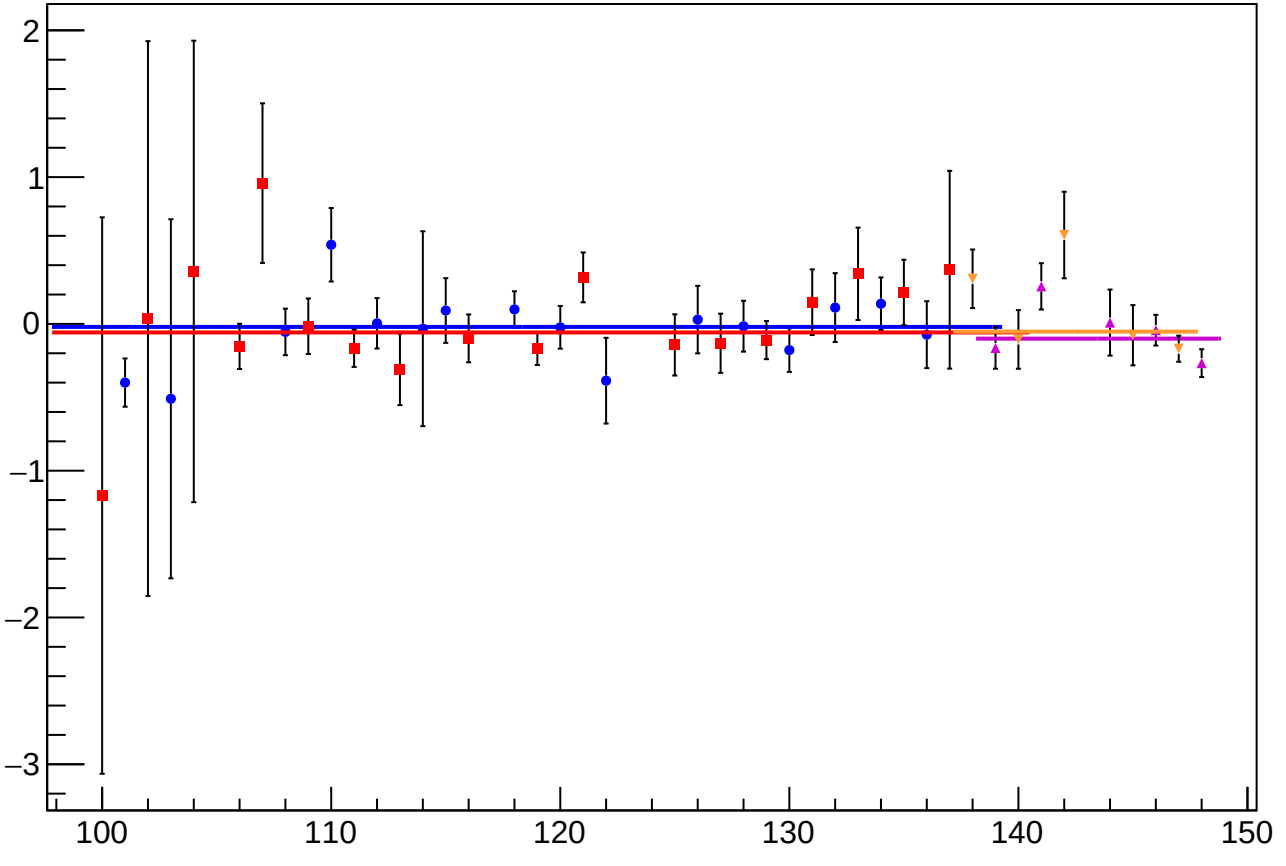
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 109.663+/-0.026 χ^2/NDF:2556905.7/20

Out: 107.018+/-0.027 χ^2/NDF:3848461.3/22

All: 108.412+/-0.019 χ^2/NDF: 6410354.2/43

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: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.100+/-0.057 χ^2/NDF:8.9/4

Left: -0.081+/-0.044 χ^2/NDF: 19.3/9

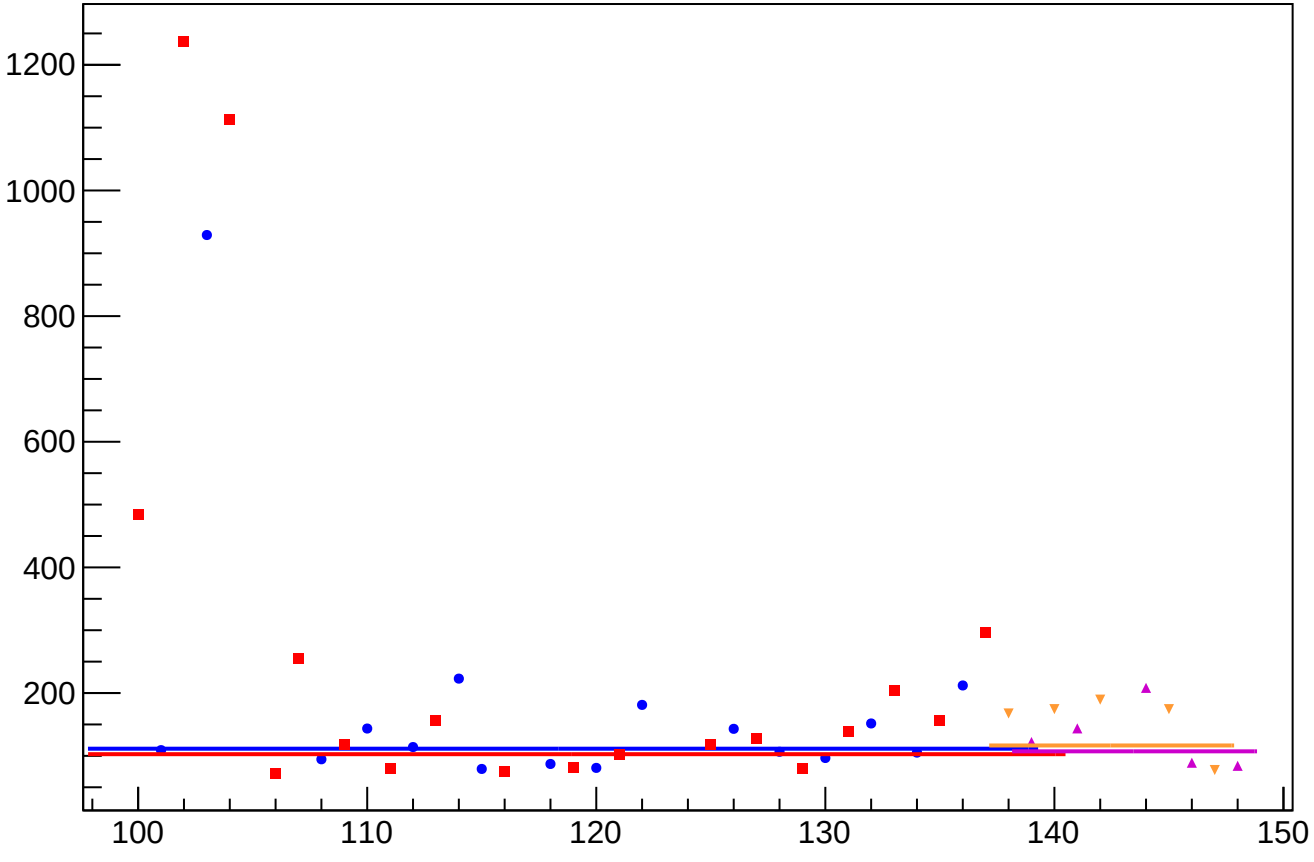
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.055+/-0.026 χ^2/NDF: 52.6/43

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: 116.546+/-0.049 χ^2/NDF:965596.0/4

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 107.207+/-0.040 χ^2/NDF:711056.6/4

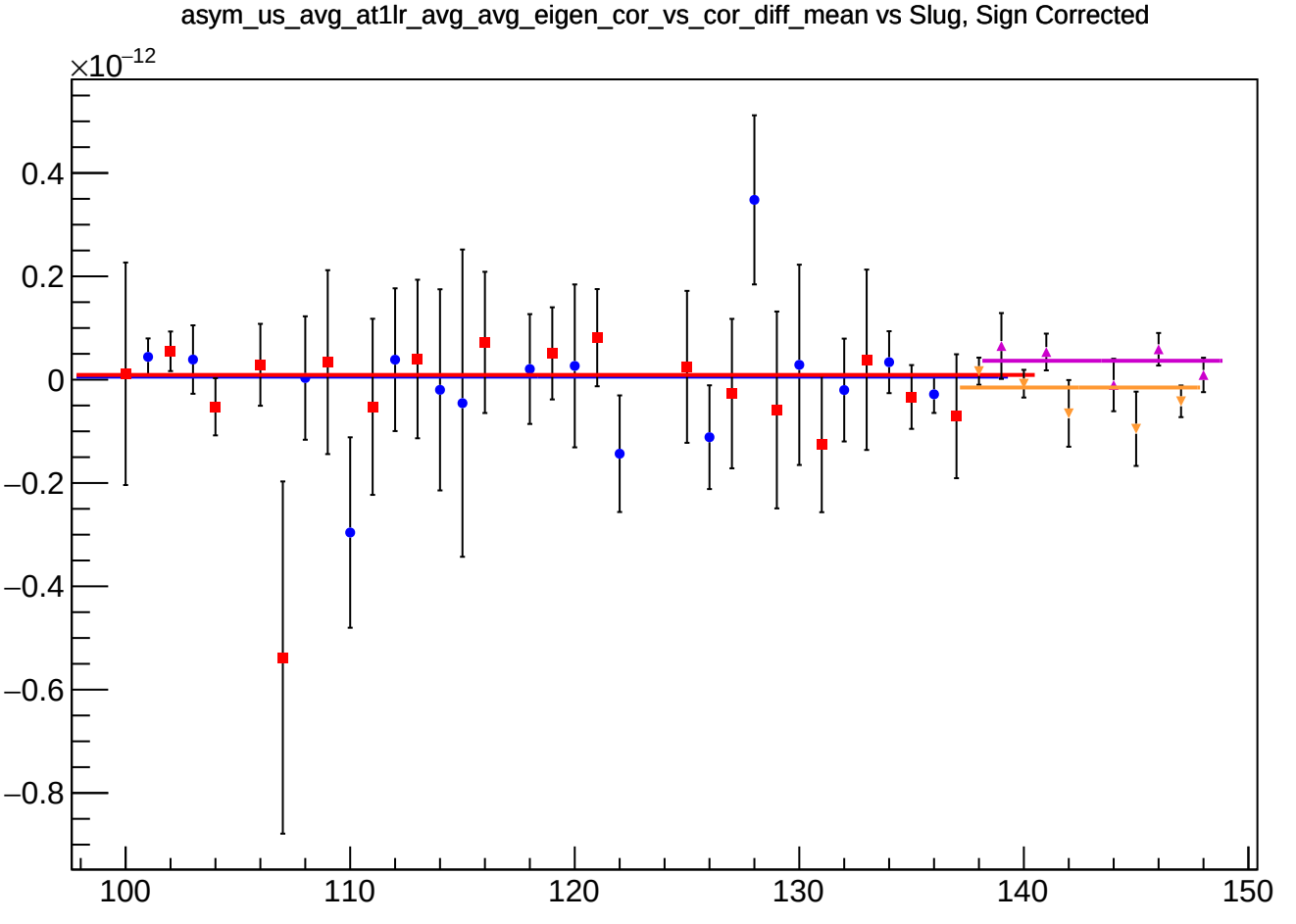
Left: 110.980+/-0.031 χ^2/NDF: 1698677.3/9

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 109.663+/-0.026 χ^2/NDF:2556905.7/20

Out: 107.018+/-0.027 χ^2/NDF:3848461.3/22

All: 108.412+/-0.019 χ^2/NDF: 6410354.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.5/4

Left: 0.000+/-0.000 χ^2/NDF: 11.6/9

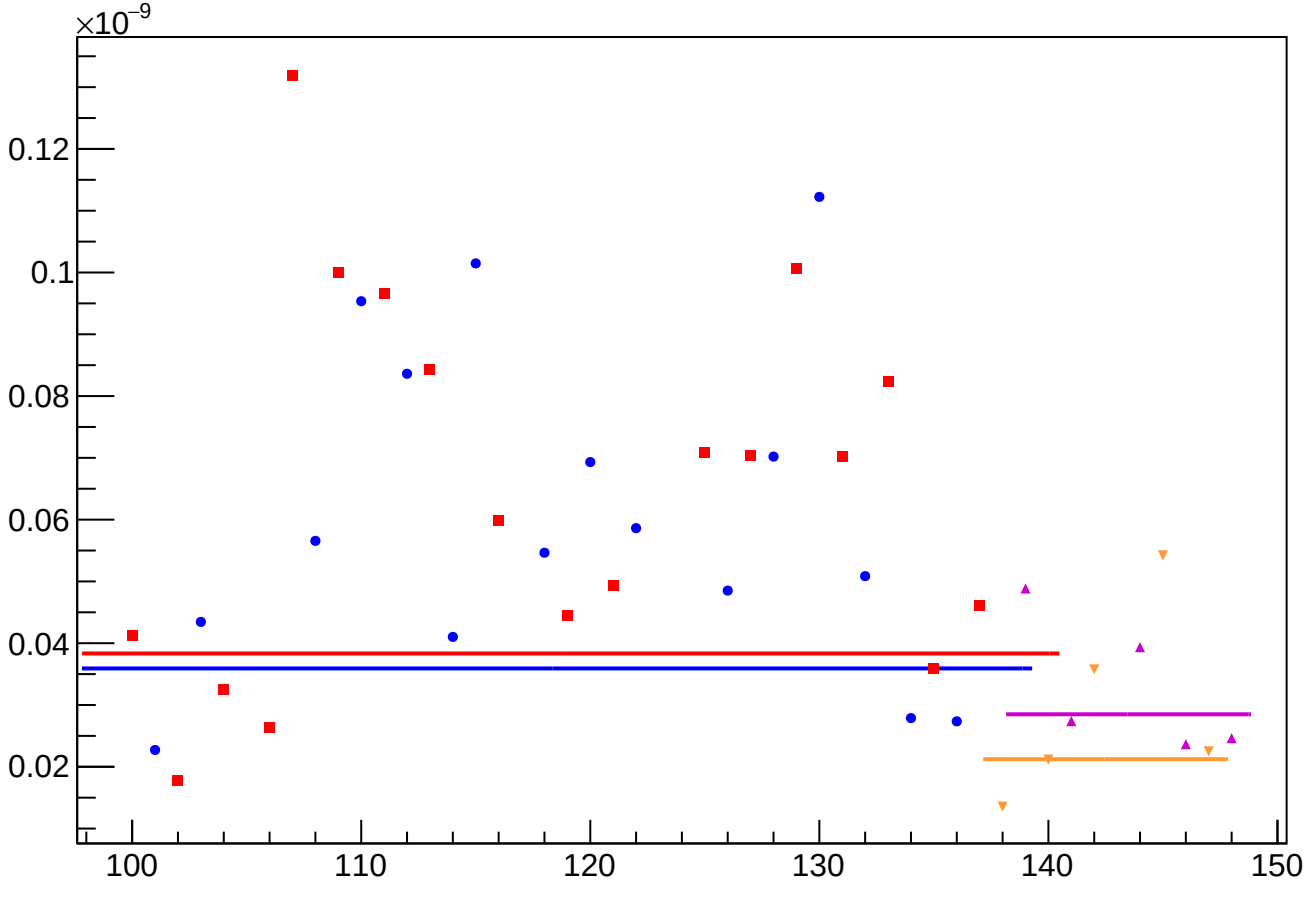
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:16.8/20

Out: -0.000+/-0.000 χ^2/NDF:13.7/22

All: 0.000+/-0.000 χ^2/NDF: 33.2/43

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:697786.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:371877.5/4

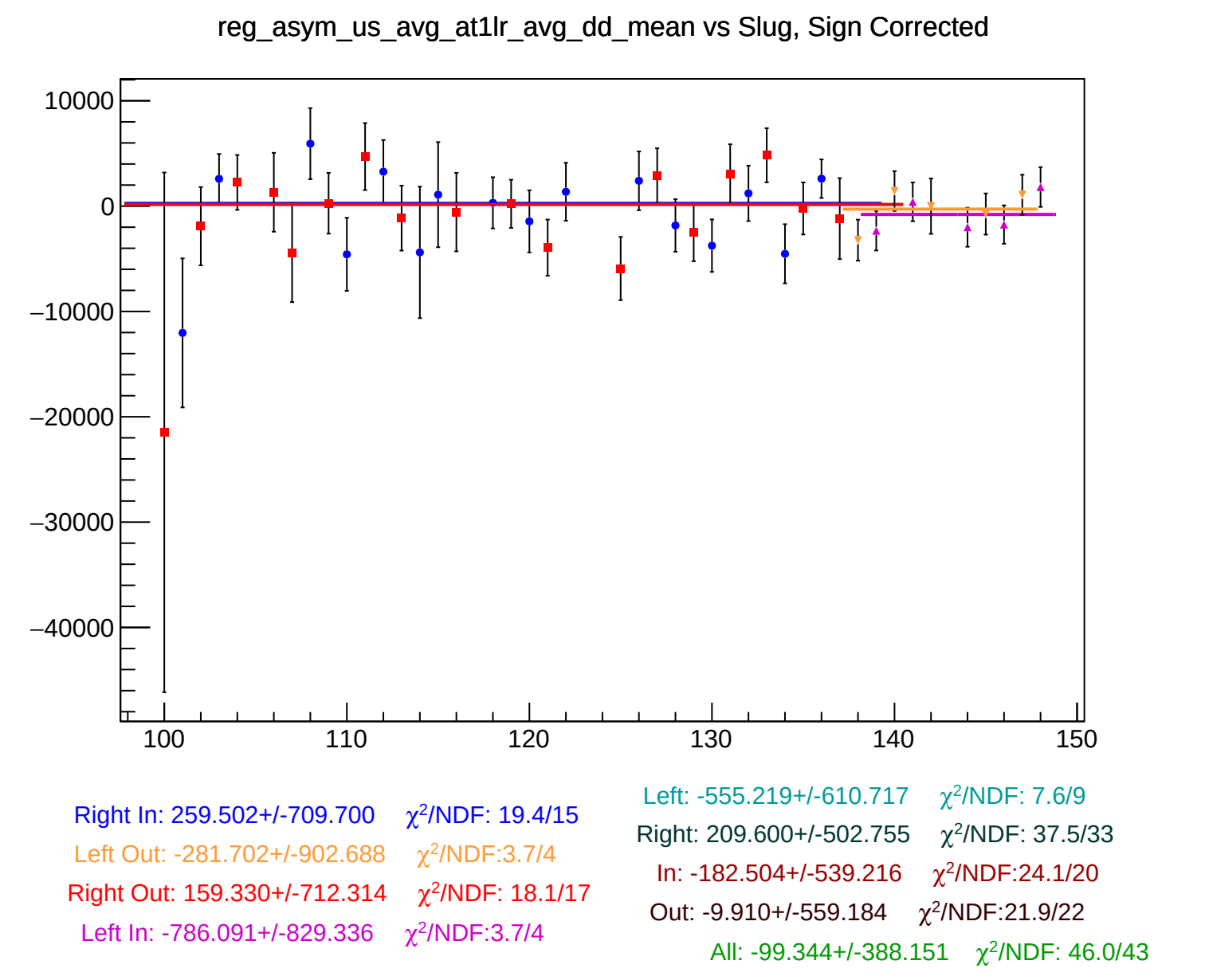
Left: 0.000+/-0.000 χ^2/NDF: 1268975.7/9

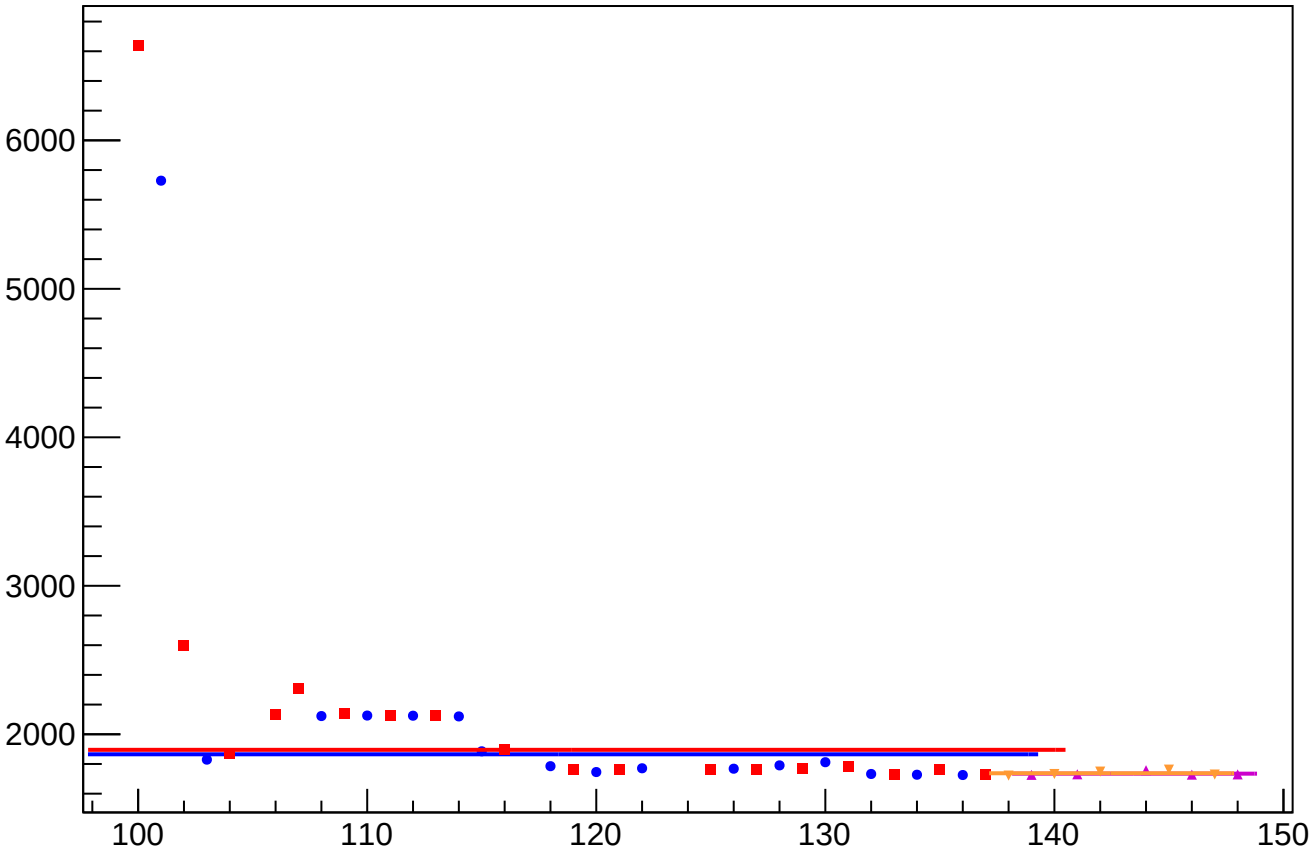
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2295838.7/20

Out: 0.000+/-0.000 χ^2/NDF:3739907.9/22

All: 0.000+/-0.000 χ^2/NDF: 6189032.7/43


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 259.502+/-709.700 χ²/NDF: 19.4/15
Left Out: -281.702+/-902.688 χ²/NDF:3.7/4
Right Out: 159.330+/-712.314 χ²/NDF: 18.1/17
Left In: -786.091+/-829.336 χ²/NDF:3.7/4
Left: -555.219+/-610.717 χ²/NDF: 7.6/9
Right: 209.600+/-502.755 χ²/NDF: 37.5/33
In: -182.504+/-539.216 χ²/NDF:24.1/20
Out: -9.910+/-559.184 χ²/NDF:21.9/22
All: -99.344+/-388.151 χ²/NDF: 46.0/43



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

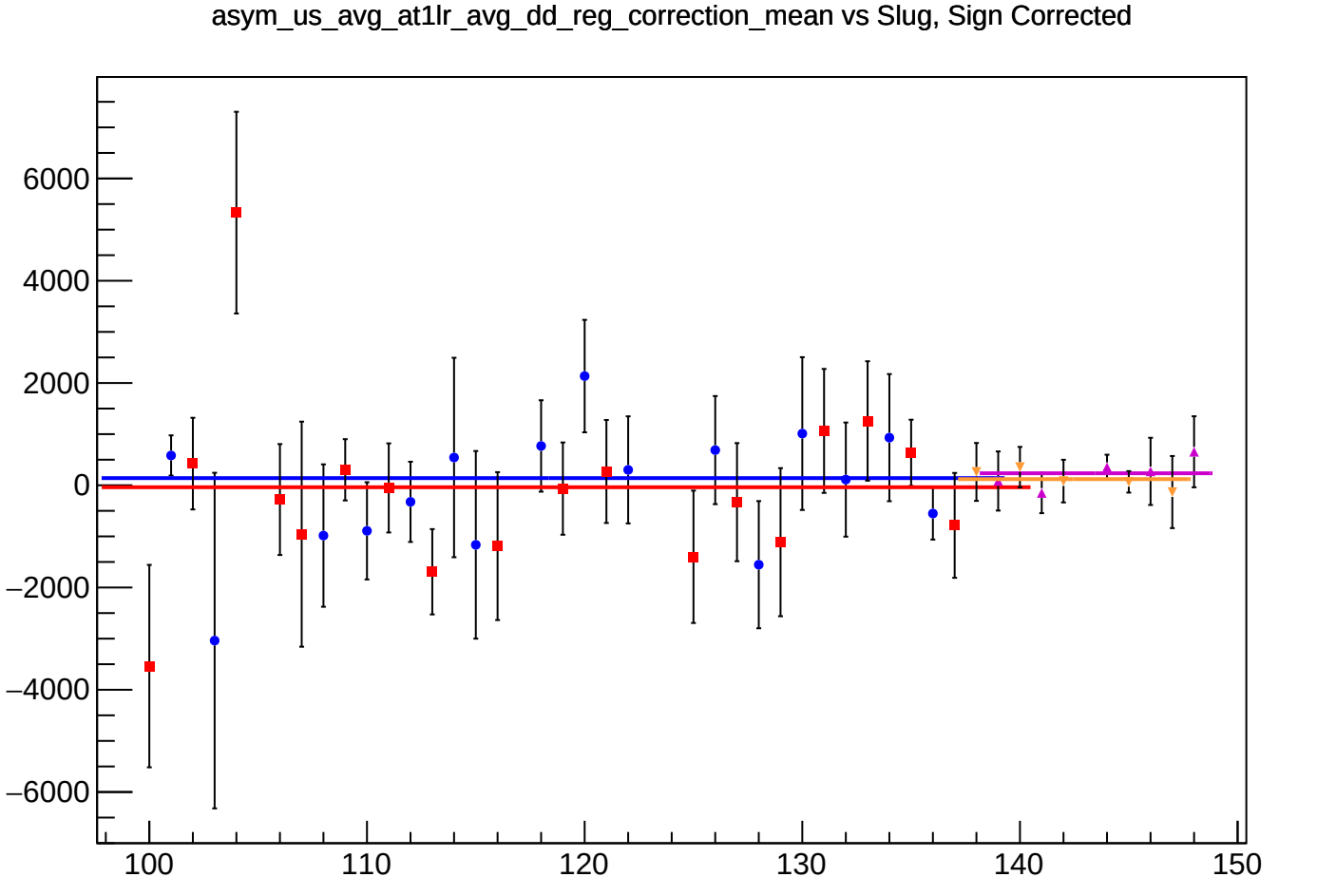
Left: 1735.968+/-0.432 χ^2/NDF: 943.1/9

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

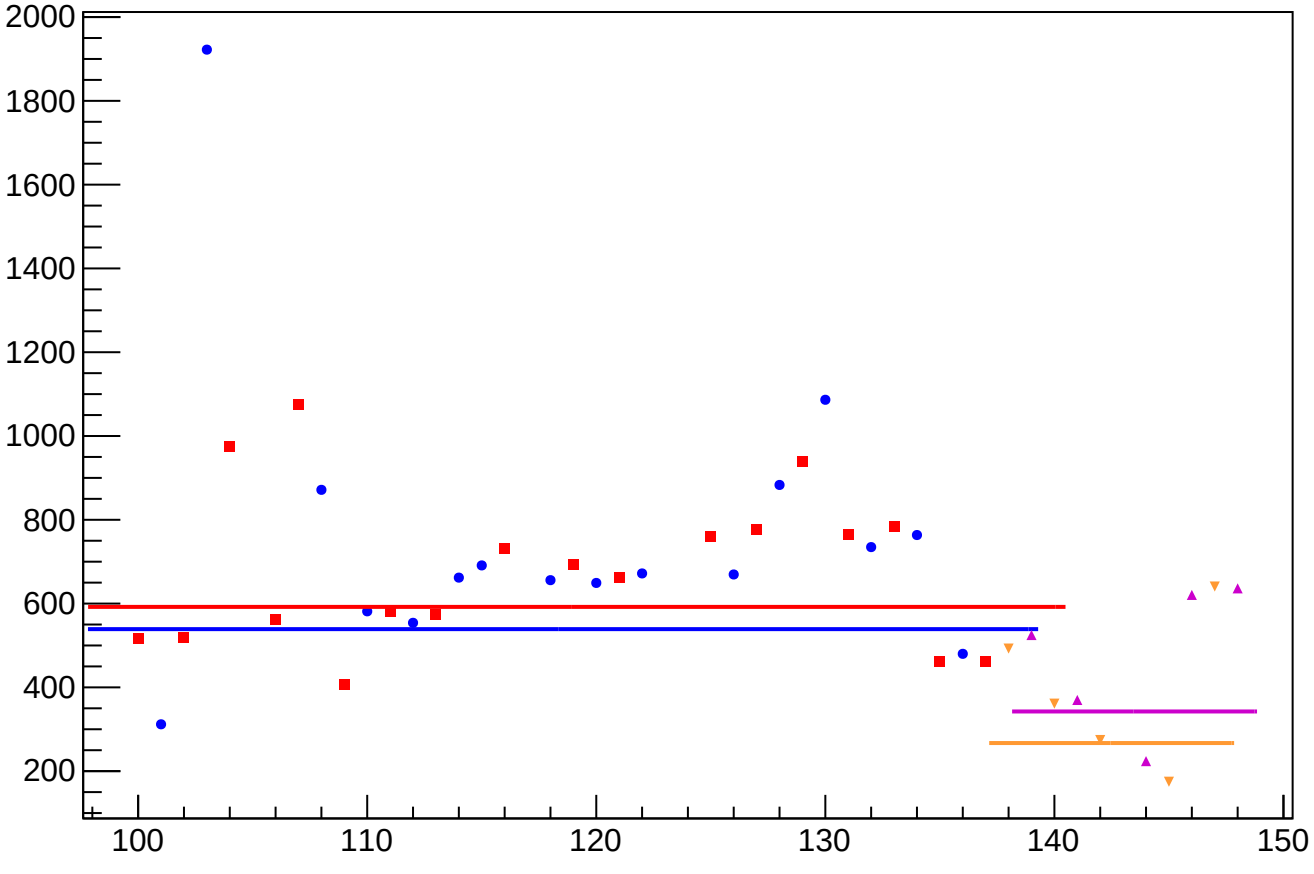
In: 1810.025+/-0.381 χ^2/NDF:701689.5/20

Out: 1834.695+/-0.395 χ^2/NDF:289006.6/22

All: 1821.911+/-0.274 χ^2/NDF: 992713.1/43


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: 139.799+/-220.100 χ²/NDF: 13.5/15
Left Out: 119.895+/-158.205 χ²/NDF:0.6/4
Right Out: -38.629+/-238.253 χ²/NDF: 21.4/17
Left In: 234.756+/-181.283 χ²/NDF:1.6/4
Left: 169.553+/-119.197 χ²/NDF: 2.5/9
Right: 57.640+/-161.672 χ²/NDF: 35.2/33
In: 196.375+/-139.930 χ²/NDF:15.2/20
Out: 71.387+/-131.795 χ²/NDF:22.3/22
All: 130.143+/-95.940 χ²/NDF: 37.9/43

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: 267.110+/-0.112 χ^2/NDF:1379124.2/4

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 342.465+/-0.128 χ^2/NDF:1393061.8/4

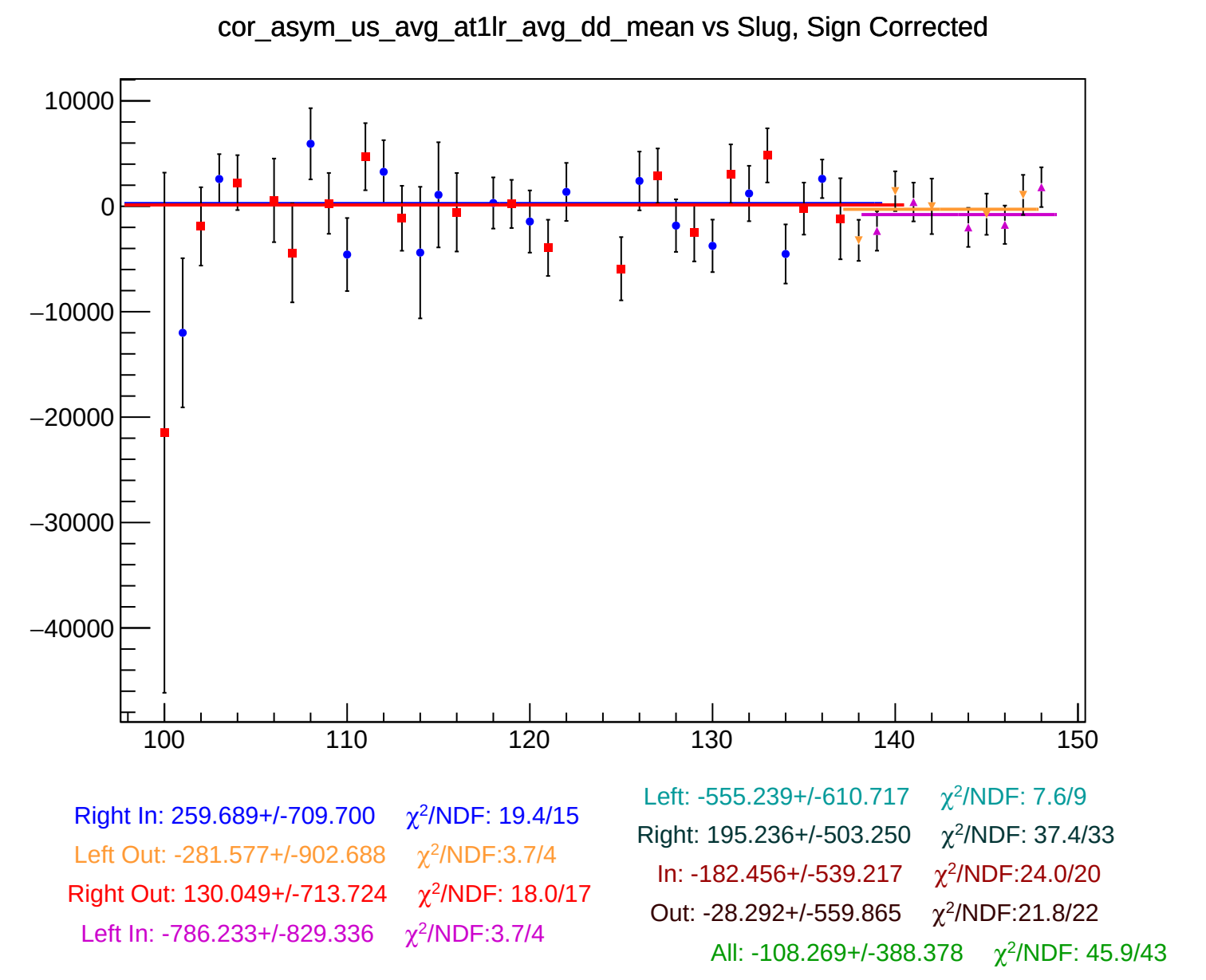
Left: 299.689+/-0.084 χ^2/NDF: 2968355.4/9

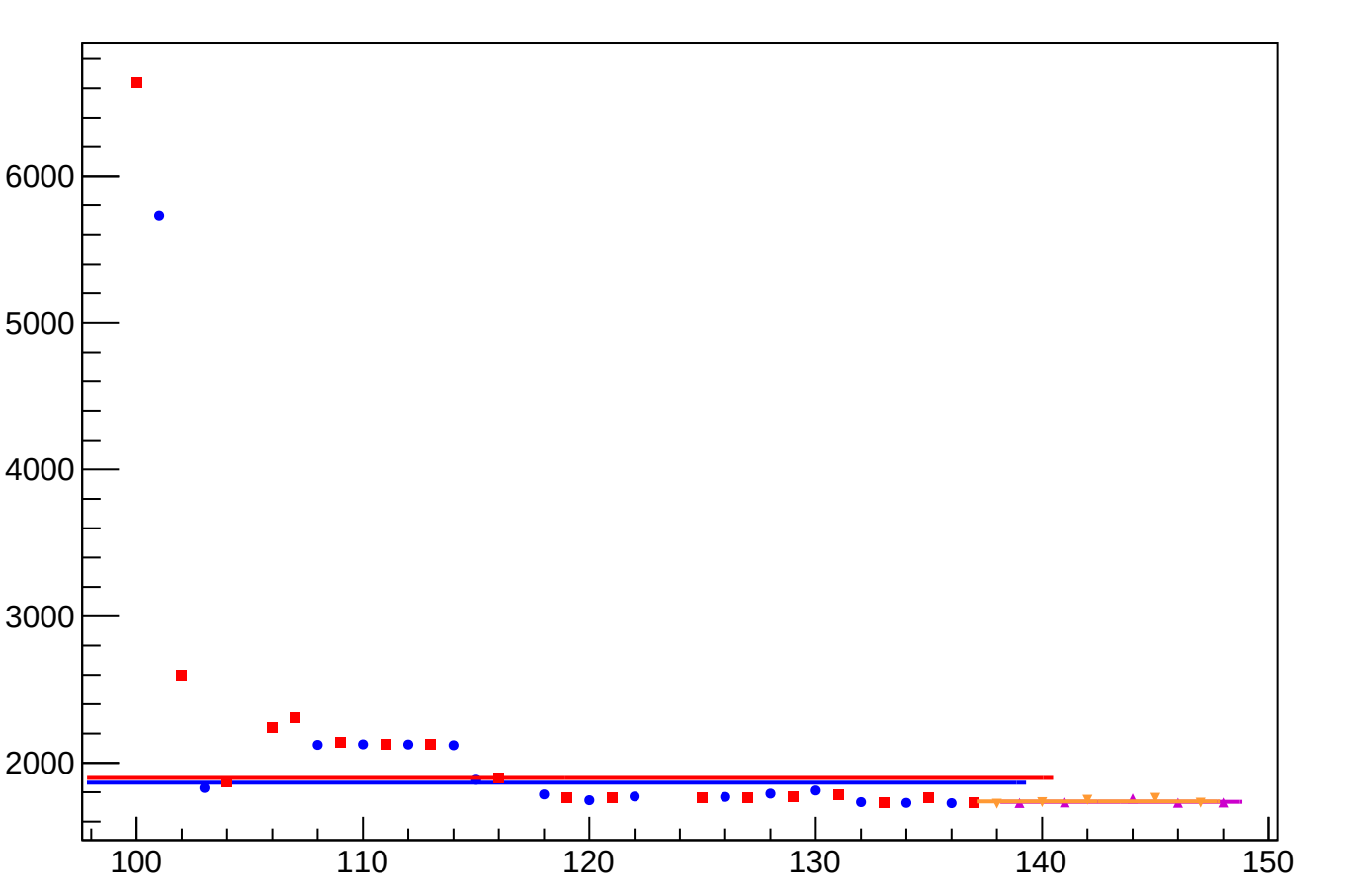
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 421.908+/-0.099 χ^2/NDF:4197915.3/20

Out: 366.557+/-0.093 χ^2/NDF:4804768.9/22

All: 392.577+/-0.068 χ^2/NDF: 9168513.0/43


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -281.577+/-902.688 χ²/NDF:3.7/4
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -786.233+/-829.336 χ²/NDF:3.7/4
Left: -555.239+/-610.717 χ²/NDF: 7.6/9
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -182.456+/-539.217 χ²/NDF:24.0/20
Out: -28.292+/-559.865 χ²/NDF:21.8/22
All: -108.269+/-388.378 χ²/NDF: 45.9/43



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

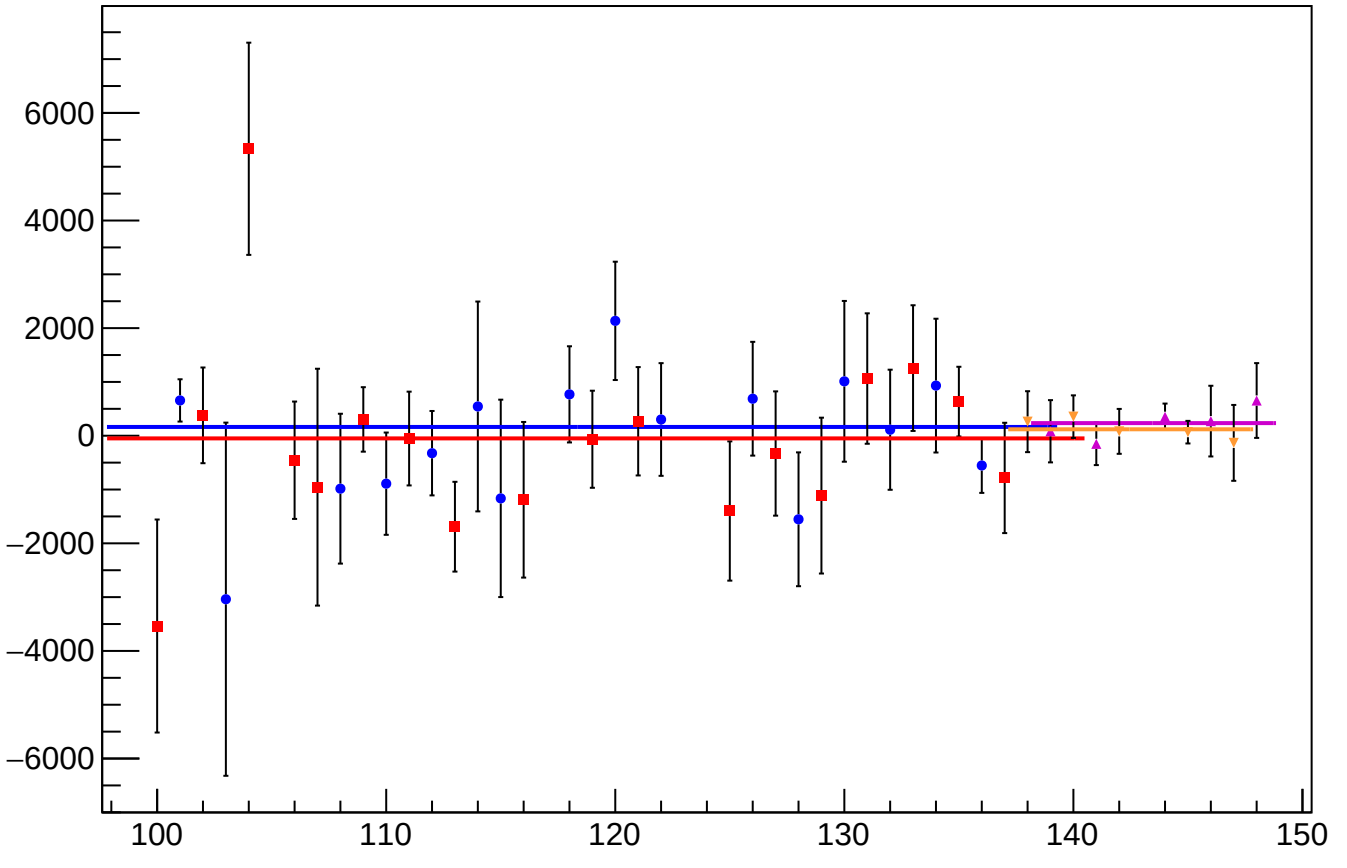
Left: 1735.968+/-0.432 χ^2/NDF: 943.1/9

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1810.025+/-0.381 χ^2/NDF:701689.4/20

Out: 1836.055+/-0.396 χ^2/NDF:297055.0/22

All: 1822.551+/-0.275 χ^2/NDF: 1000987.2/43



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.711+/-158.208 χ^2/NDF:0.6/4

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 234.730+/-181.284 χ^2/NDF:1.6/4

Left: 169.438+/-119.199 χ^2/NDF: 2.5/9

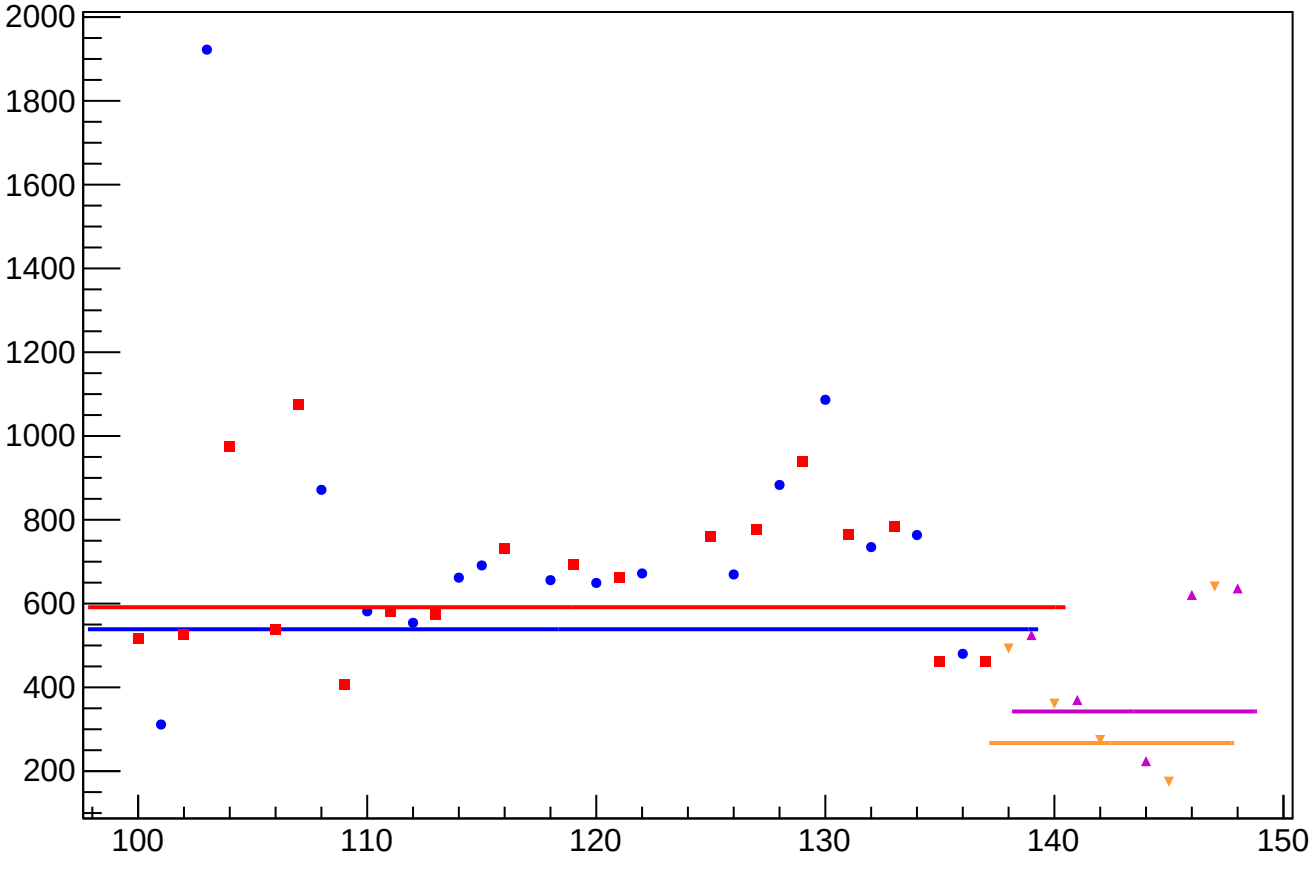
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 205.786+/-139.911 χ^2/NDF:15.6/20

Out: 67.878+/-131.788 χ^2/NDF:22.4/22

All: 132.712+/-95.931 χ^2/NDF: 38.5/43

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: 267.117+/-0.112 χ^2/NDF:1379097.4/4

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

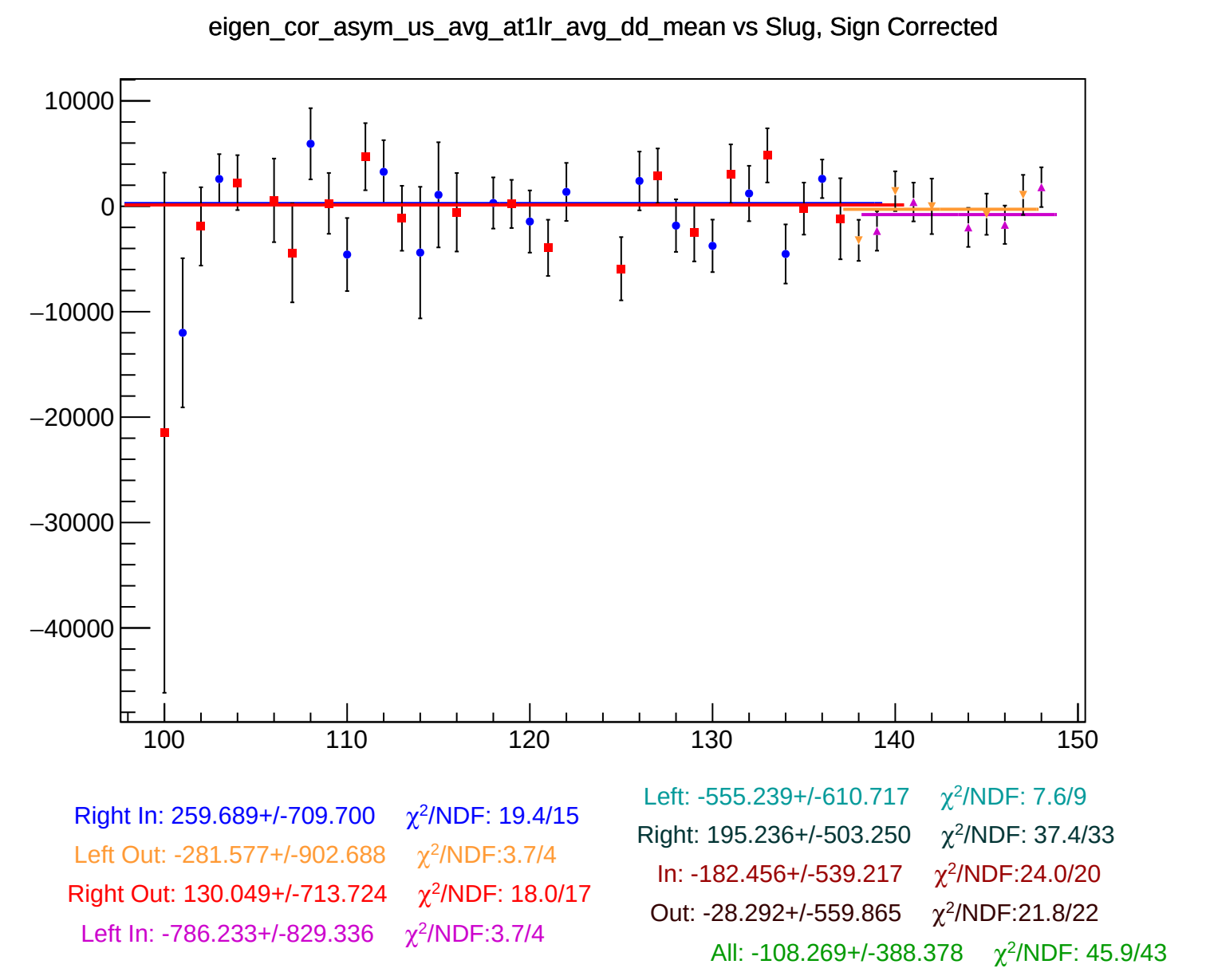
Left: 299.697+/-0.084 χ^2/NDF: 2968196.1/9

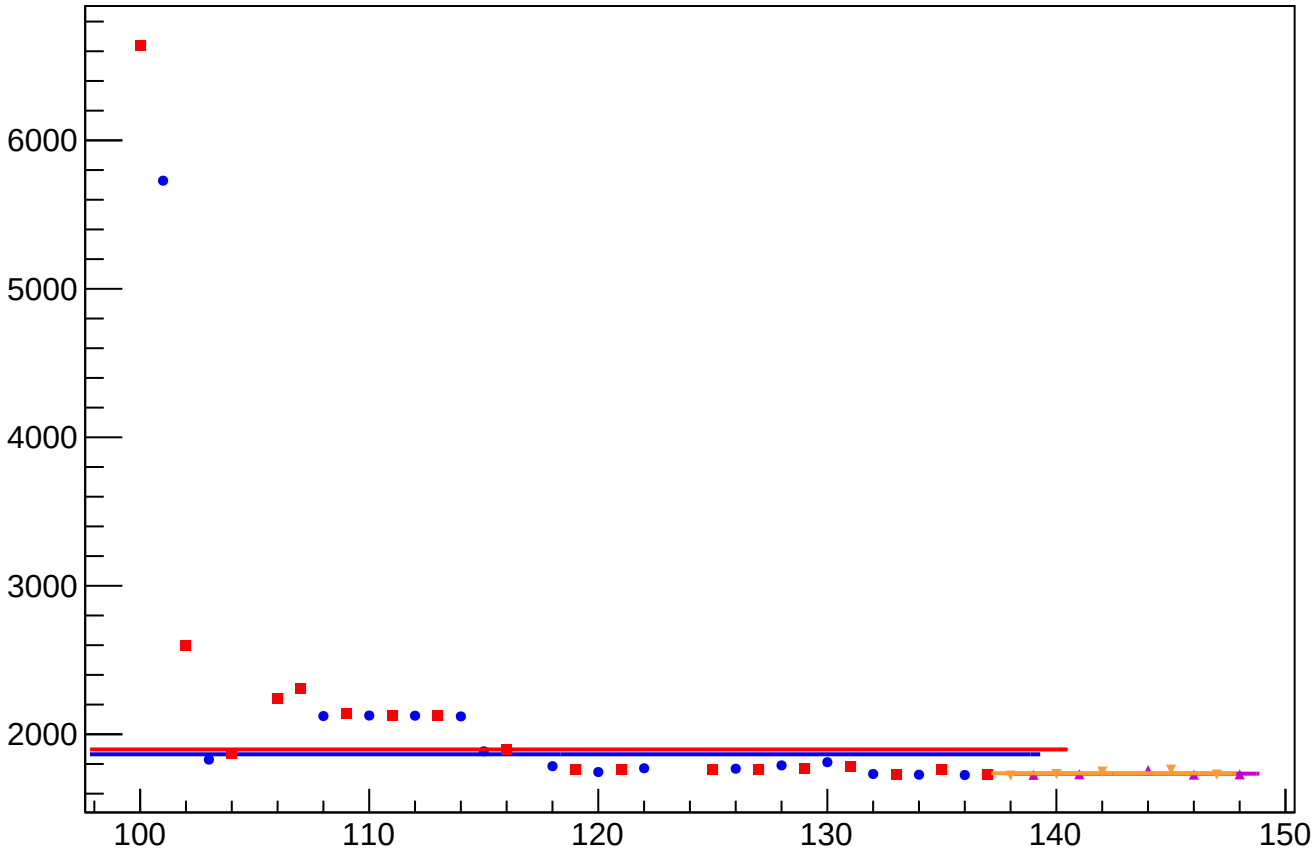
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 421.821+/-0.099 χ^2/NDF:4199352.8/20

Out: 366.334+/-0.093 χ^2/NDF:4793263.9/22

All: 392.420+/-0.068 χ^2/NDF: 9159296.6/43


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -281.577+/-902.688 χ²/NDF:3.7/4
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -786.233+/-829.336 χ²/NDF:3.7/4
Left: -555.239+/-610.717 χ²/NDF: 7.6/9
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -182.456+/-539.217 χ²/NDF:24.0/20
Out: -28.292+/-559.865 χ²/NDF:21.8/22
All: -108.269+/-388.378 χ²/NDF: 45.9/43



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

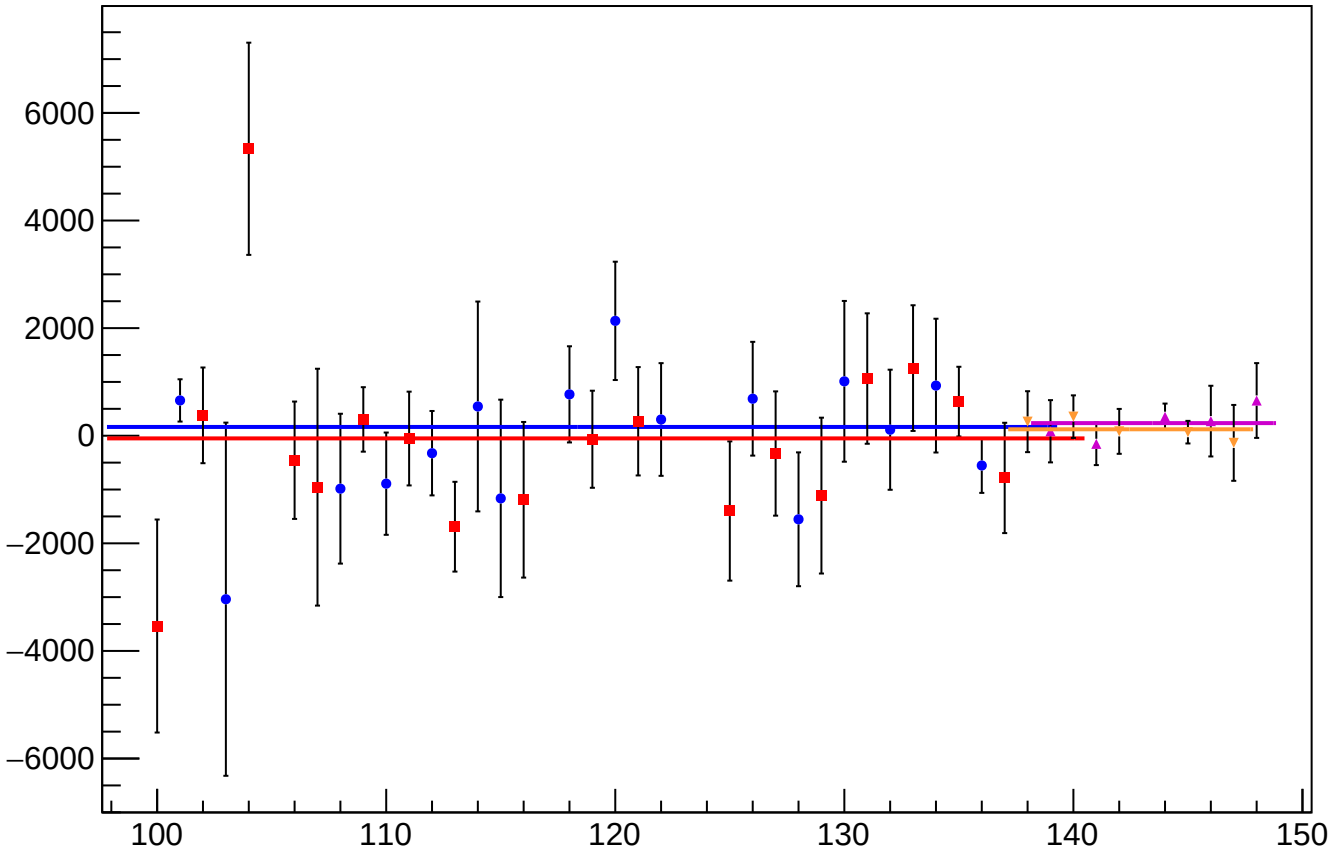
Left: 1735.968+/-0.432 χ^2/NDF: 943.1/9

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1810.025+/-0.381 χ^2/NDF:701689.4/20

Out: 1836.055+/-0.396 χ^2/NDF:297055.0/22

All: 1822.551+/-0.275 χ^2/NDF: 1000987.2/43



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.711+/-158.208 χ^2/NDF:0.6/4

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 234.730+/-181.284 χ^2/NDF:1.6/4

Left: 169.438+/-119.199 χ^2/NDF: 2.5/9

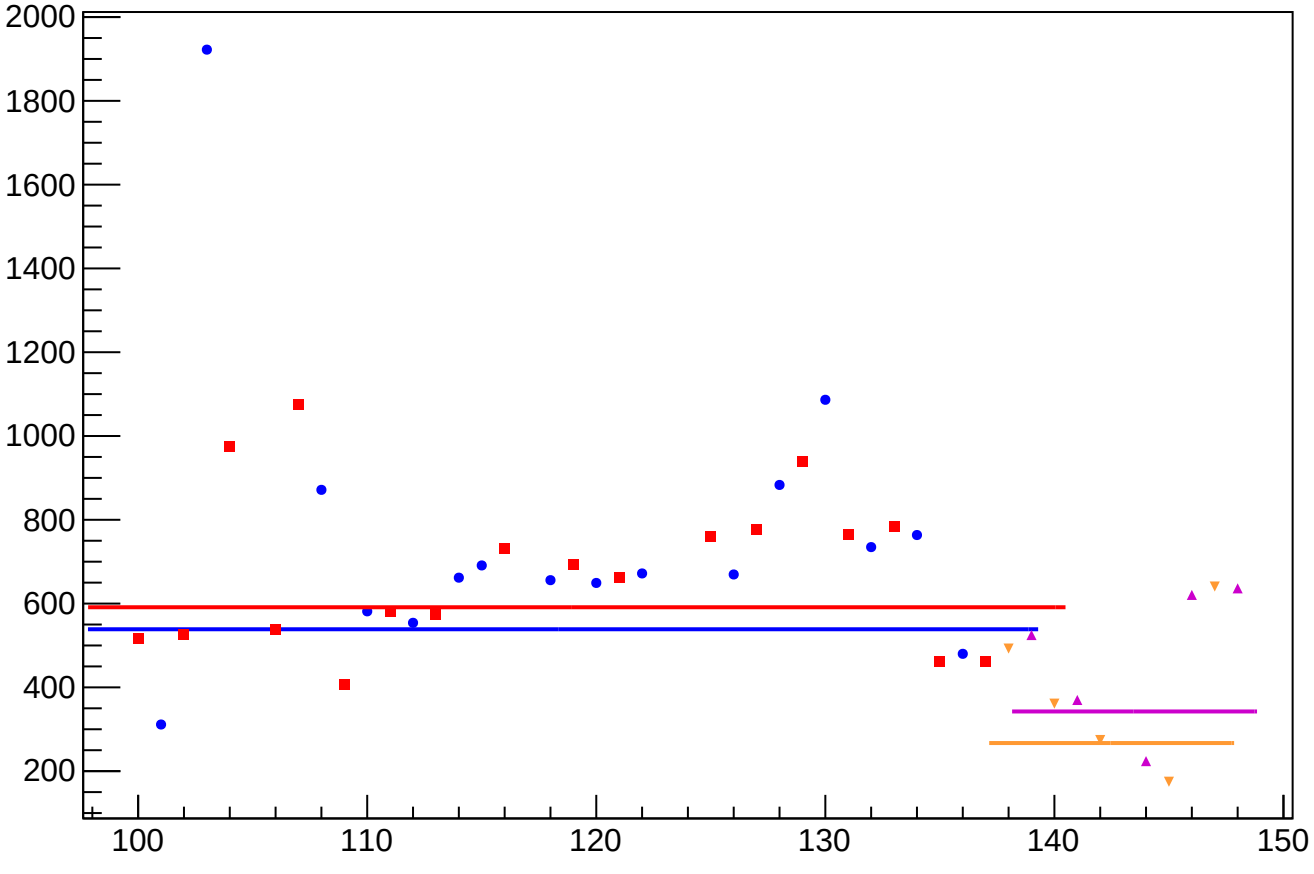
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 205.786+/-139.911 χ^2/NDF:15.6/20

Out: 67.878+/-131.788 χ^2/NDF:22.4/22

All: 132.712+/-95.931 χ^2/NDF: 38.5/43

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: 267.117+/-0.112 χ^2/NDF:1379097.4/4

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

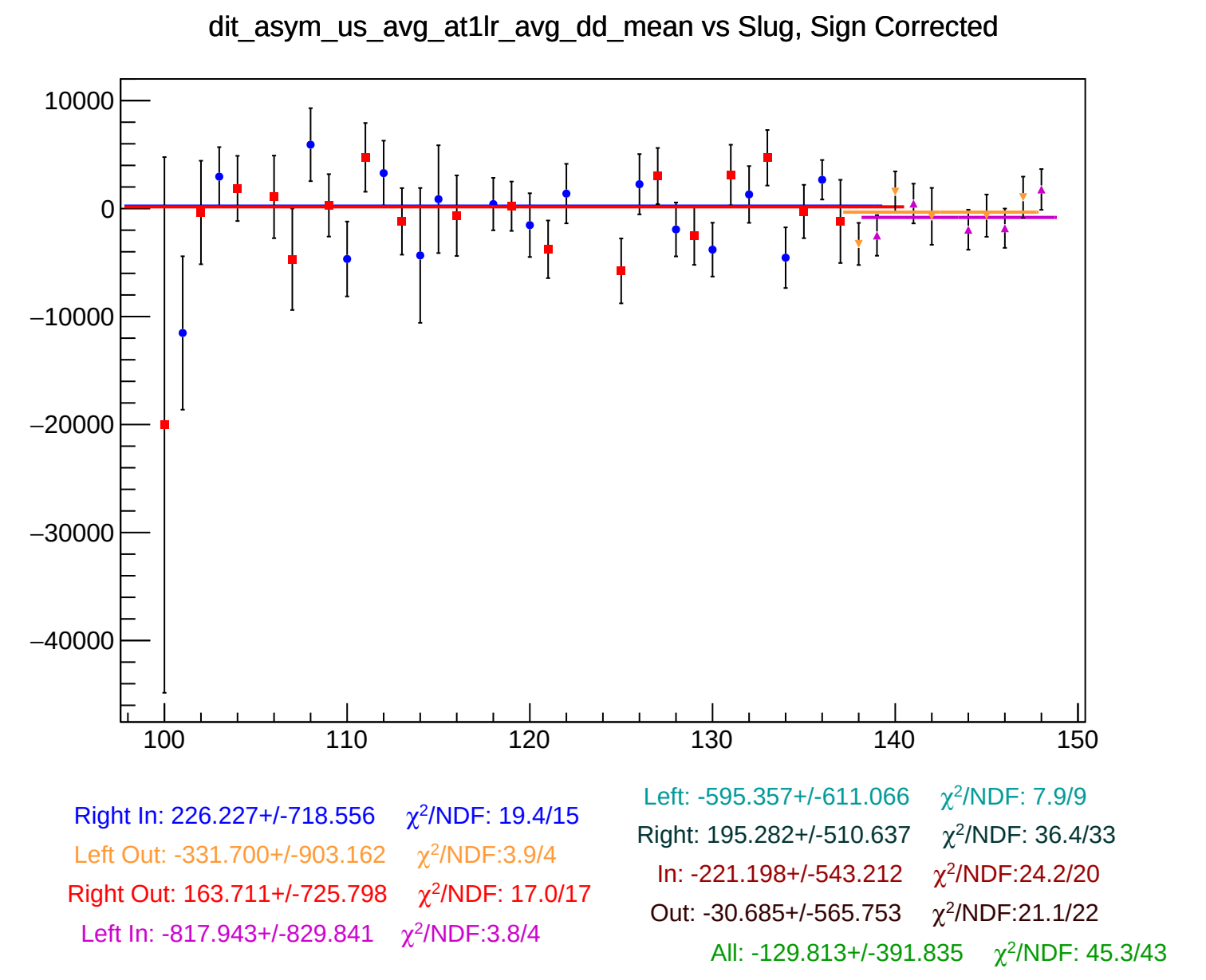
Left: 299.697+/-0.084 χ^2/NDF: 2968196.1/9

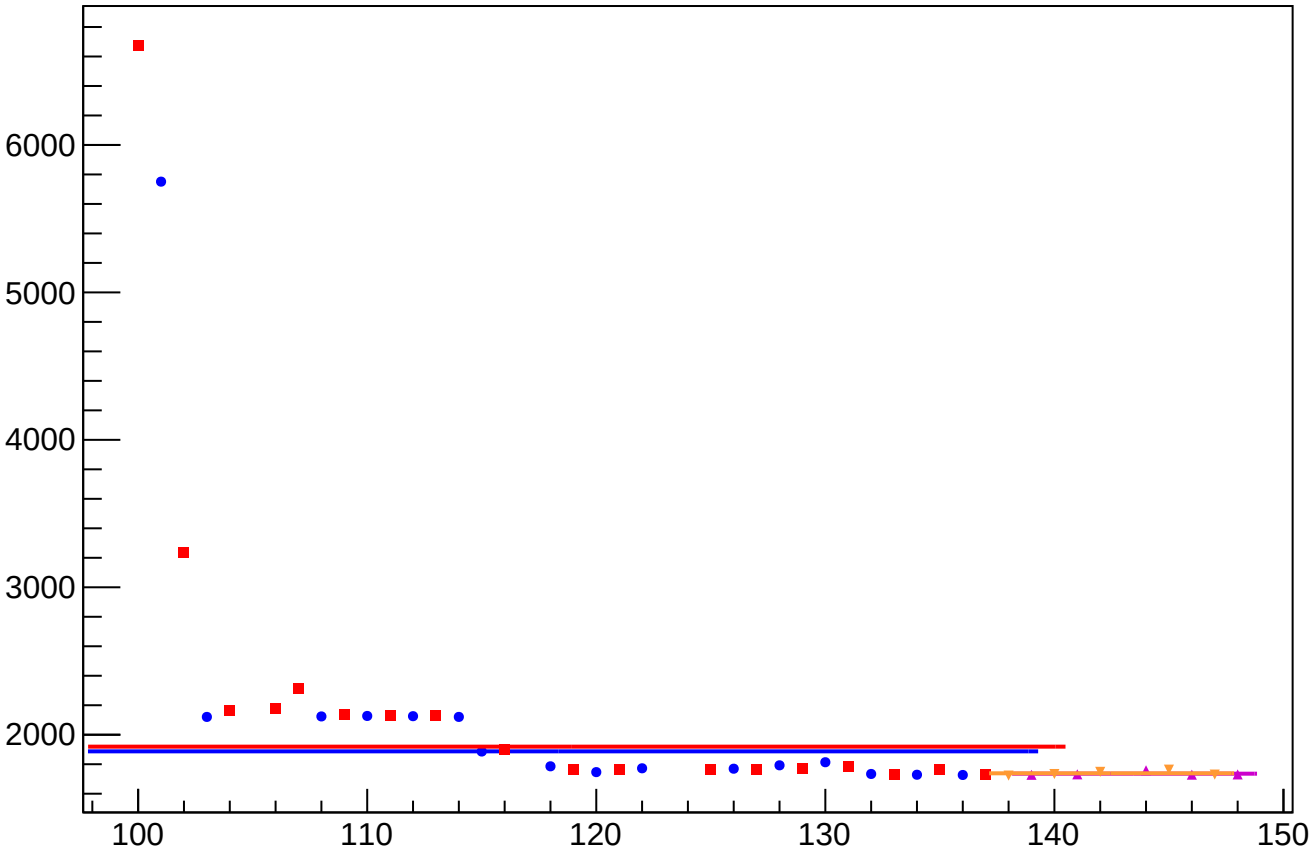
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 421.821+/-0.099 χ^2/NDF:4199352.8/20

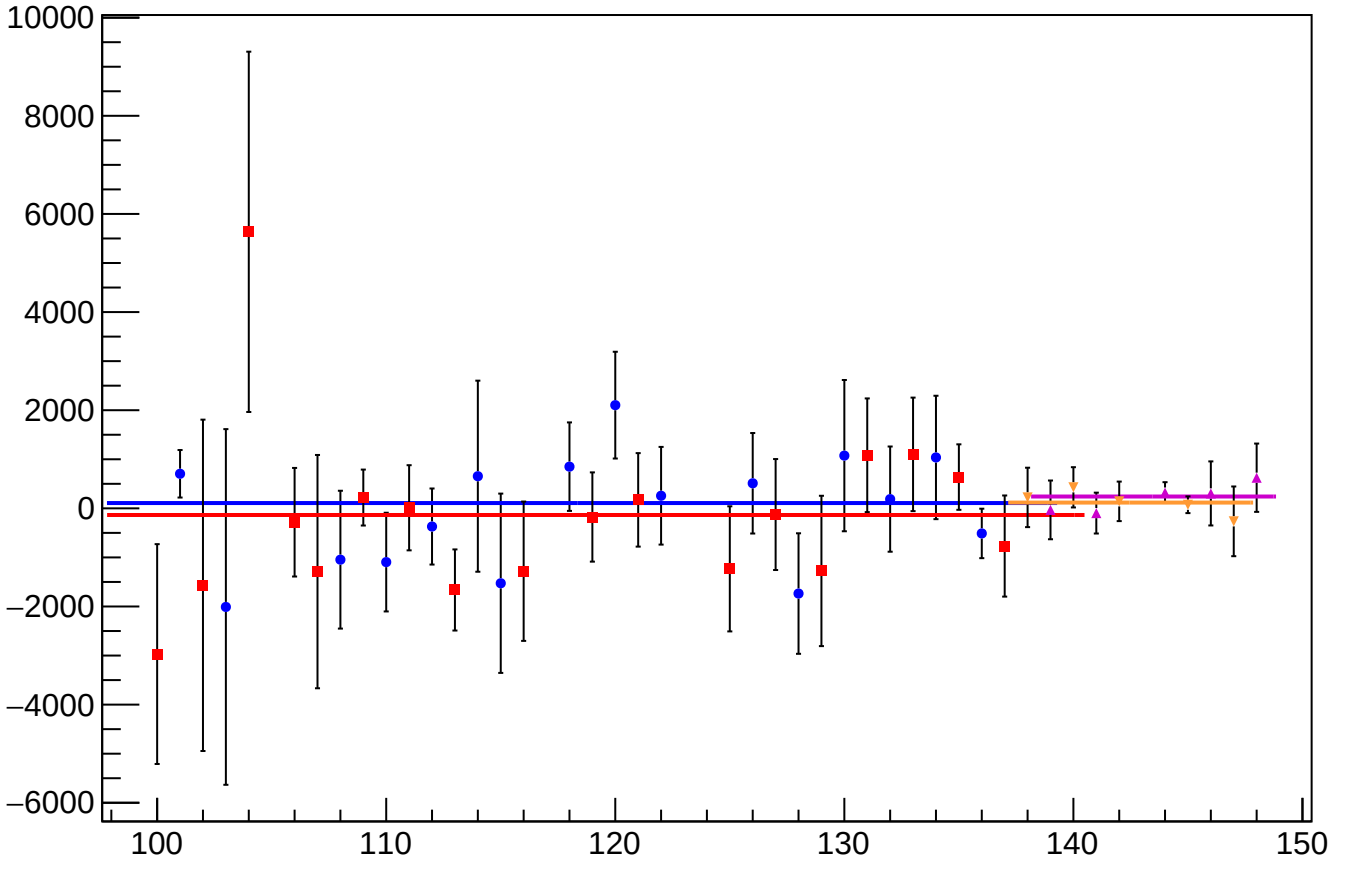
Out: 366.334+/-0.093 χ^2/NDF:4793263.9/22

All: 392.420+/-0.068 χ^2/NDF: 9159296.6/43


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -331.700+/-903.162 χ²/NDF:3.9/4
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -817.943+/-829.841 χ²/NDF:3.8/4
Left: -595.357+/-611.066 χ²/NDF: 7.9/9
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -221.198+/-543.212 χ²/NDF:24.2/20
Out: -30.685+/-565.753 χ²/NDF:21.1/22
All: -129.813+/-391.835 χ²/NDF: 45.3/43


dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1887.310+/-0.508 χ²/NDF: 689442.6/15
Left Out: 1738.354+/-0.639 χ²/NDF:529.3/4
Right Out: 1919.164+/-0.513 χ²/NDF: 352567.1/17
Left In: 1735.772+/-0.587 χ²/NDF:391.1/4
Left: 1736.954+/-0.432 χ²/NDF: 929.3/9
Right: 1903.077+/-0.361 χ²/NDF: 1043955.3/33
In: 1822.376+/-0.384 χ²/NDF:727949.1/20
Out: 1848.215+/-0.400 χ²/NDF:401800.8/22
All: 1834.771+/-0.277 χ²/NDF: 1131920.6/43

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 117.620+/-139.627 χ^2/NDF:1.0/4

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 241.196+/-168.644 χ^2/NDF:1.3/4

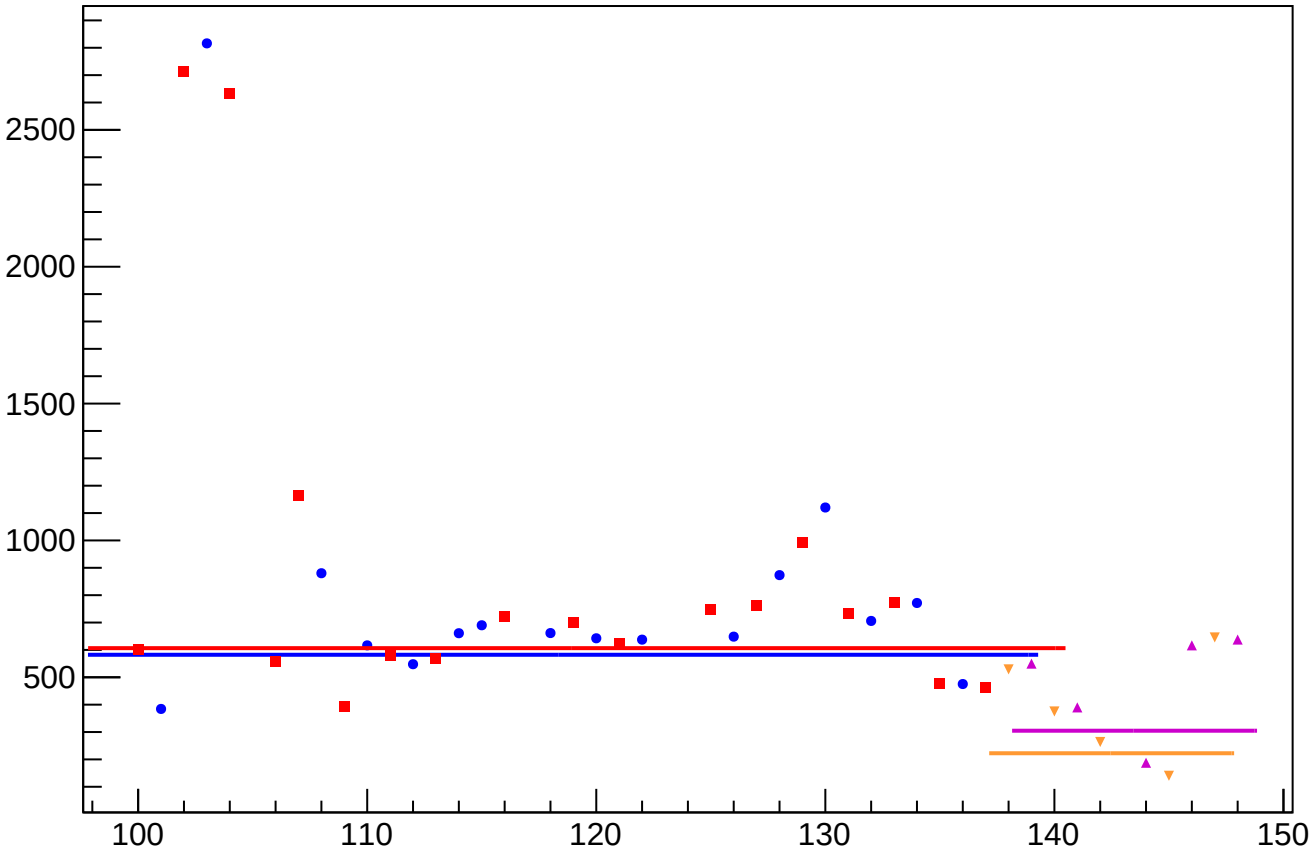
Left: 167.878+/-107.550 χ^2/NDF: 2.6/9

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 195.117+/-136.353 χ^2/NDF:15.7/20

Out: 55.954+/-121.423 χ^2/NDF:16.1/22

All: 117.502+/-90.680 χ^2/NDF: 32.4/43



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 222.469+/-0.099 χ^2/NDF:1986609.5/4

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 304.789+/-0.119 χ^2/NDF:1941189.2/4

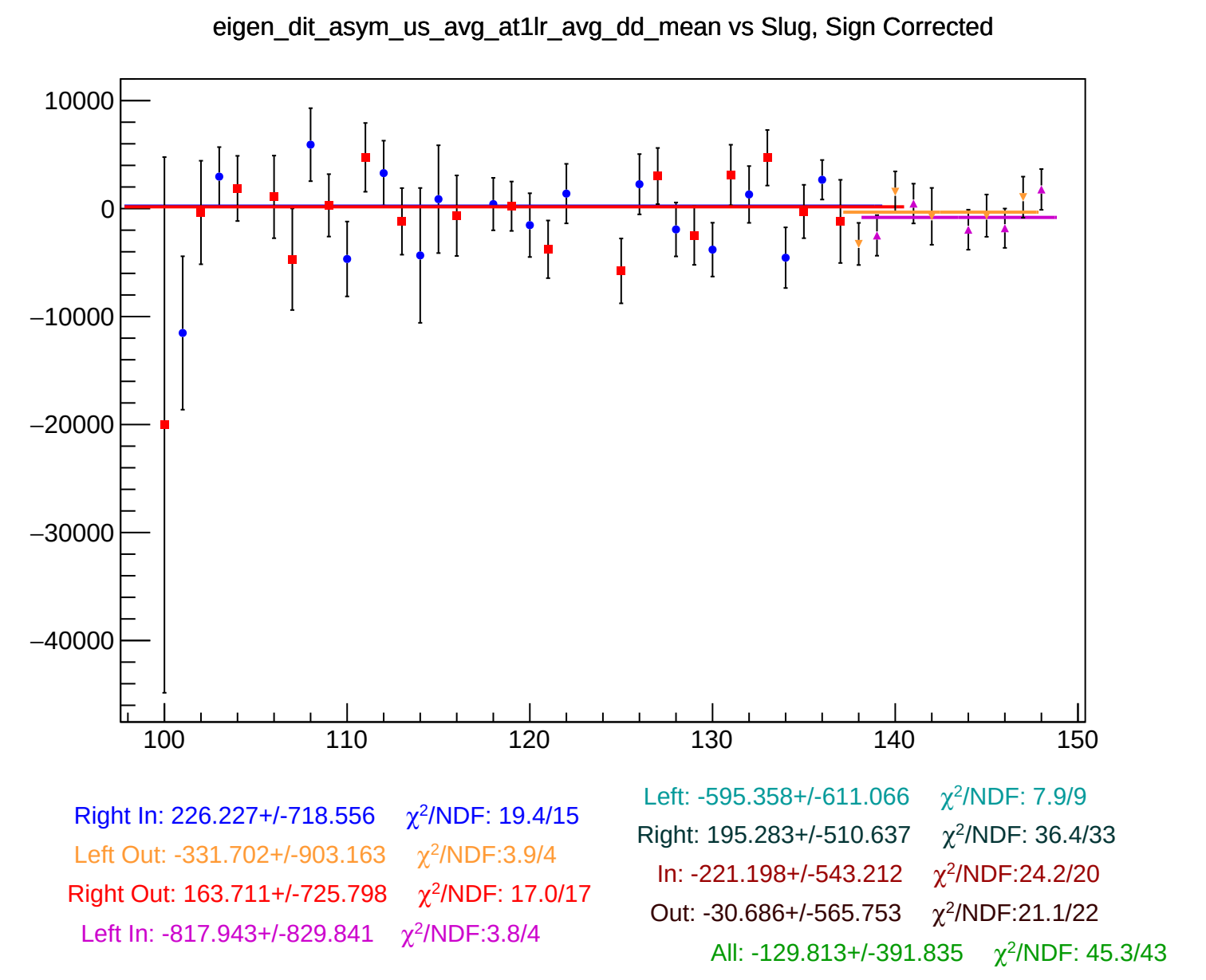
Left: 255.948+/-0.076 χ^2/NDF: 4210524.1/9

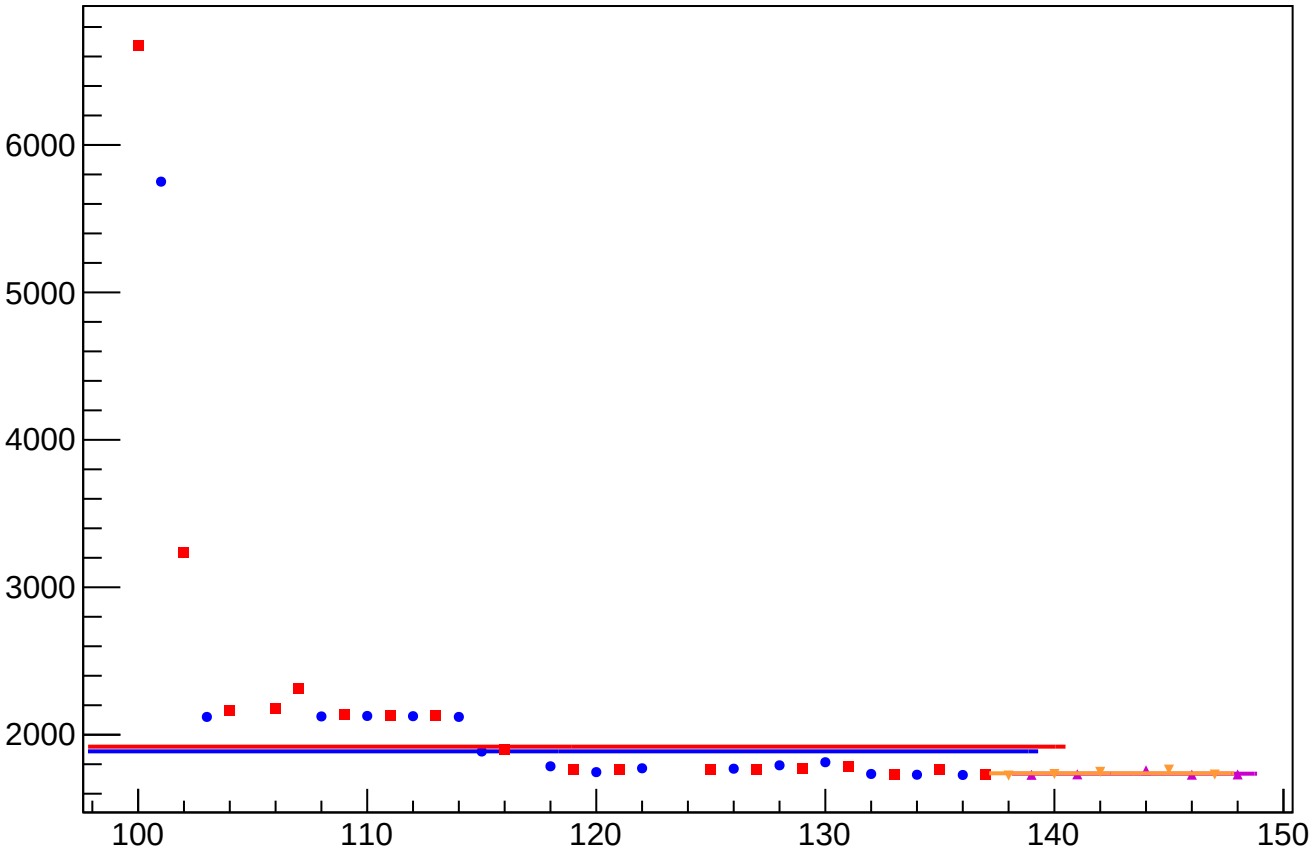
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 400.877+/-0.096 χ^2/NDF:5570449.6/20

Out: 316.069+/-0.086 χ^2/NDF:7872020.4/22

All: 353.578+/-0.064 χ^2/NDF: 13873982.3/43


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -331.702+/-903.163 χ²/NDF:3.9/4
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -817.943+/-829.841 χ²/NDF:3.8/4
Left: -595.358+/-611.066 χ²/NDF: 7.9/9
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -221.198+/-543.212 χ²/NDF:24.2/20
Out: -30.686+/-565.753 χ²/NDF:21.1/22
All: -129.813+/-391.835 χ²/NDF: 45.3/43



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1738.354+/-0.639 χ^2/NDF:529.3/4

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.772+/-0.587 χ^2/NDF:391.1/4

Left: 1736.954+/-0.432 χ^2/NDF: 929.3/9

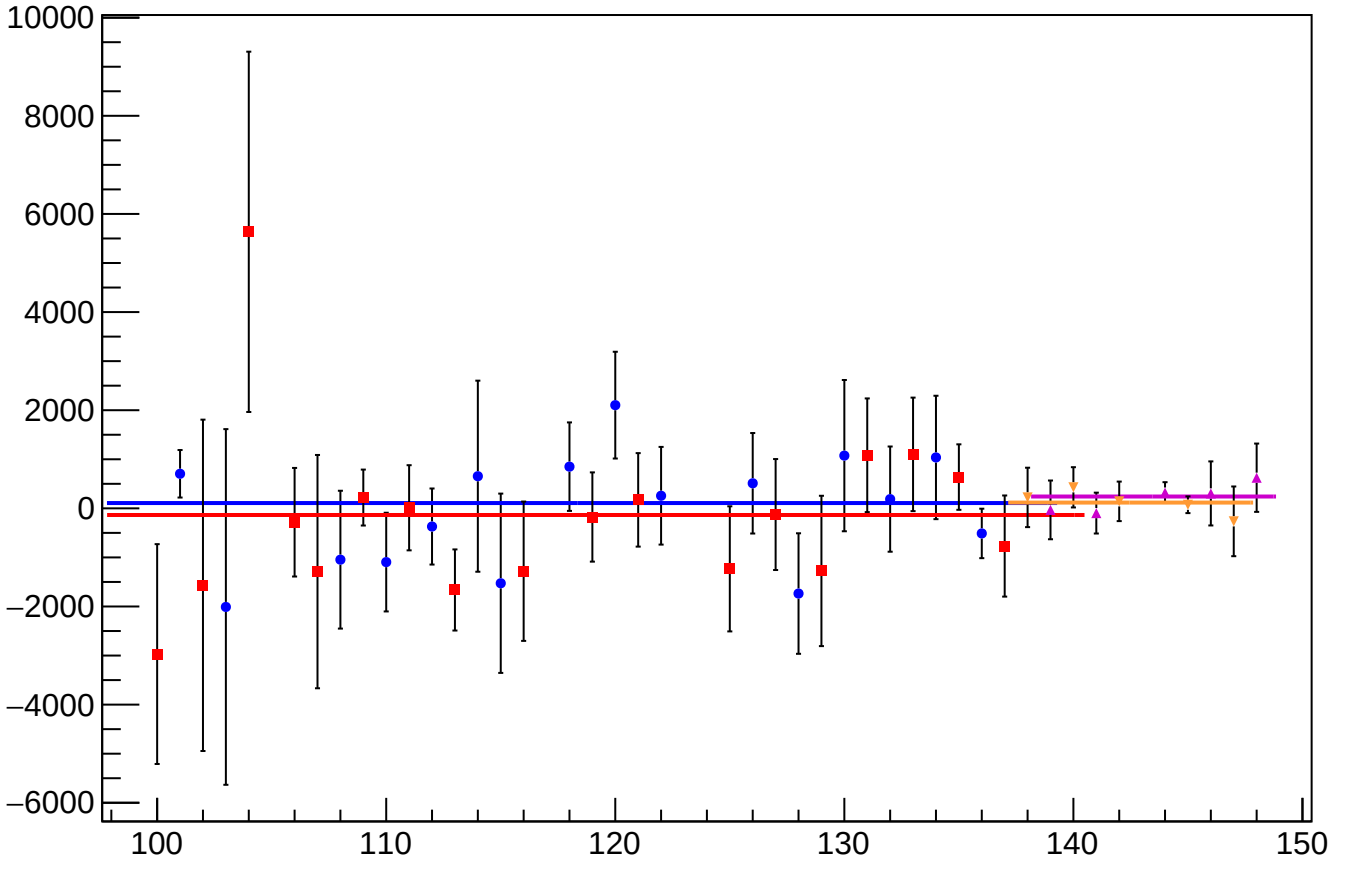
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1822.376+/-0.384 χ^2/NDF:727948.7/20

Out: 1848.215+/-0.400 χ^2/NDF:401800.0/22

All: 1834.771+/-0.277 χ^2/NDF: 1131919.4/43

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 117.618+/-139.628 χ^2/NDF:1.0/4

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 241.196+/-168.645 χ^2/NDF:1.3/4

Left: 167.877+/-107.550 χ^2/NDF: 2.6/9

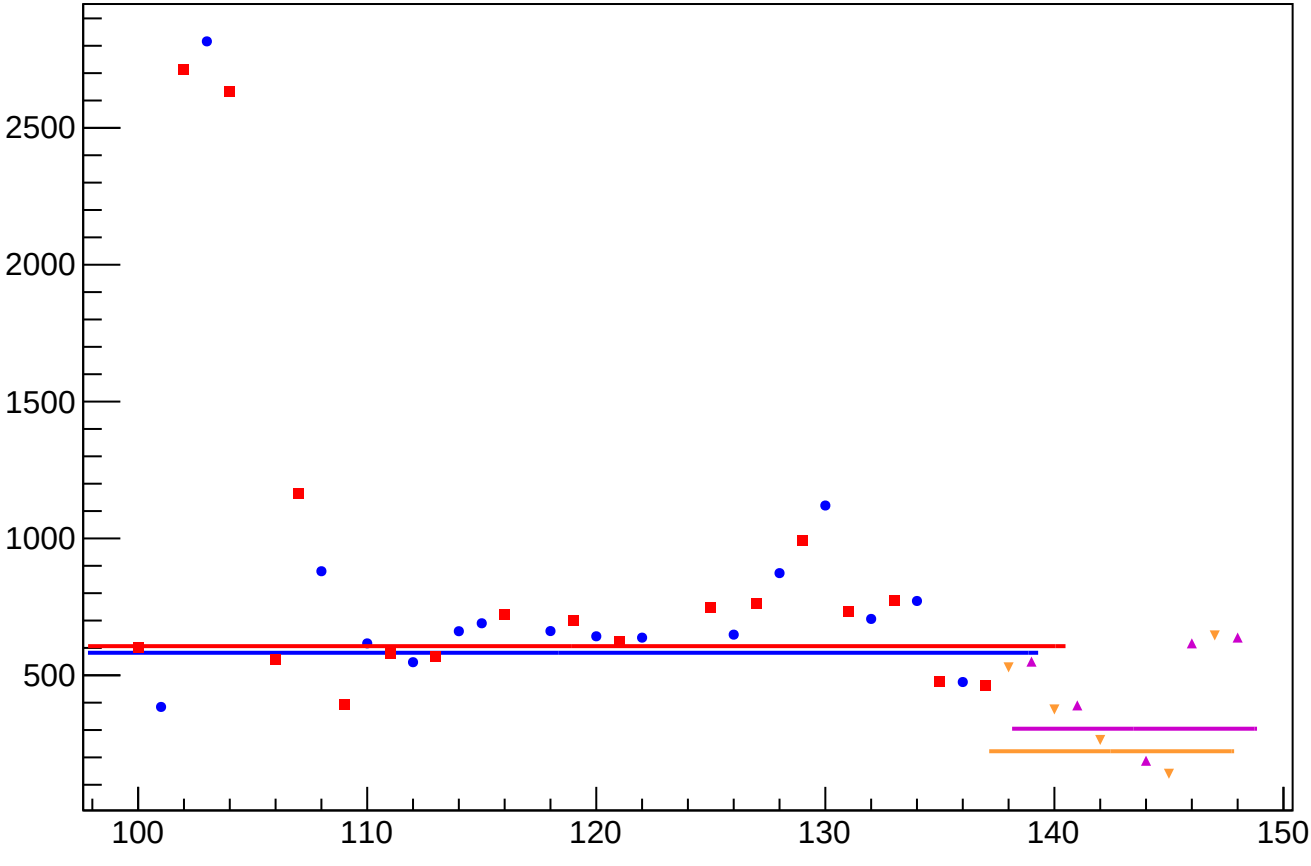
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 195.116+/-136.353 χ^2/NDF:15.7/20

Out: 55.952+/-121.423 χ^2/NDF:16.1/22

All: 117.501+/-90.680 χ^2/NDF: 32.4/43

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: 222.469+/-0.099 χ^2/NDF:1986623.9/4

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 304.789+/-0.119 χ^2/NDF:1941198.7/4

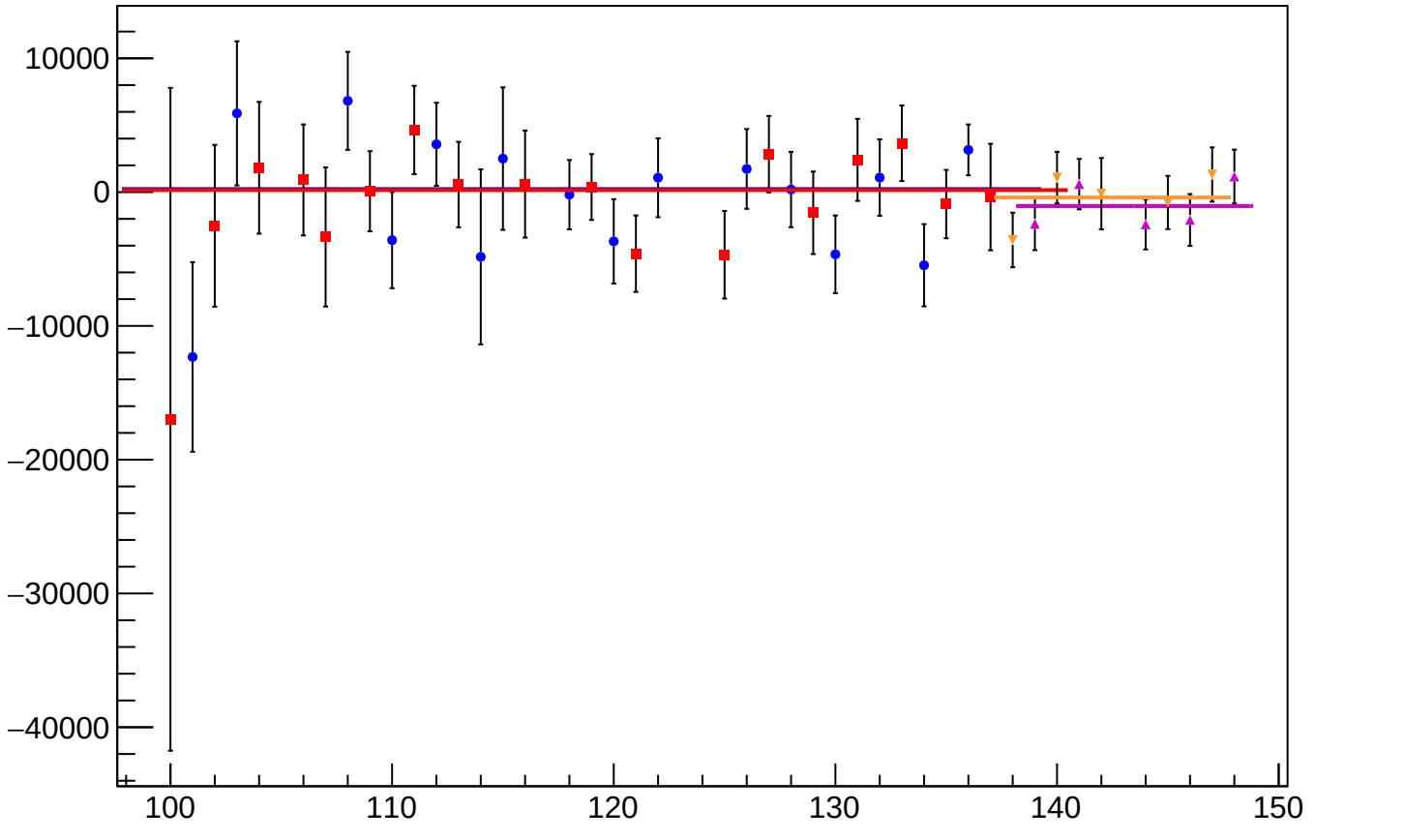
Left: 255.948+/-0.076 χ^2/NDF: 4210550.0/9

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 400.877+/-0.096 χ^2/NDF:5570426.3/20

Out: 316.069+/-0.086 χ^2/NDF:7872010.2/22

All: 353.578+/-0.064 χ^2/NDF: 13873952.9/43



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -403.044+/-934.457 χ^2/NDF:3.8/4

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -1042.474+/-864.645 χ^2/NDF:3.2/4

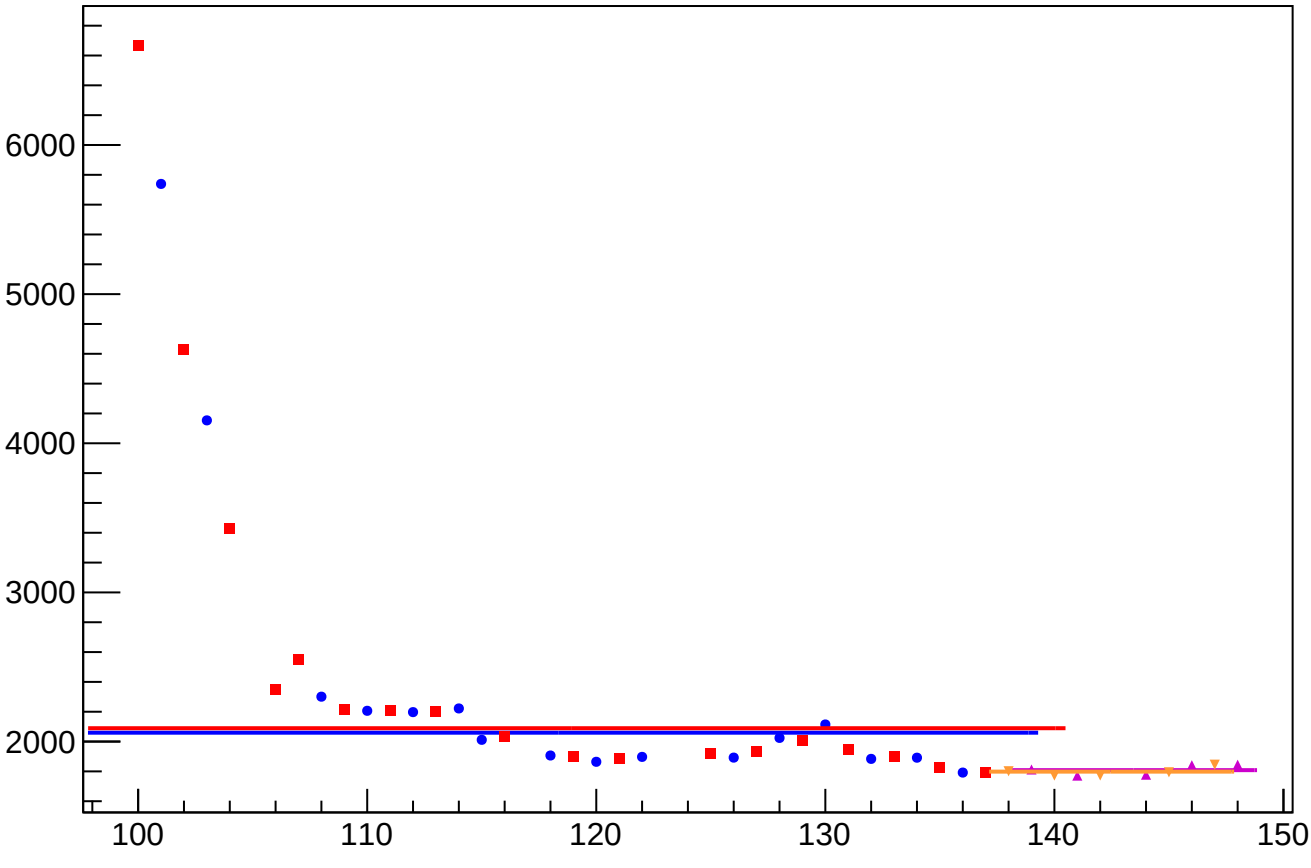
Left: -747.534+/-634.643 χ^2/NDF: 7.3/9

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -353.269+/-583.896 χ^2/NDF:25.6/20

Out: -83.113+/-605.152 χ^2/NDF:15.5/22

All: -223.019+/-420.190 χ^2/NDF: 41.2/43



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1798.405+/-0.661 χ^2/NDF:1632.3/4

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1808.321+/-0.611 χ^2/NDF:2534.6/4

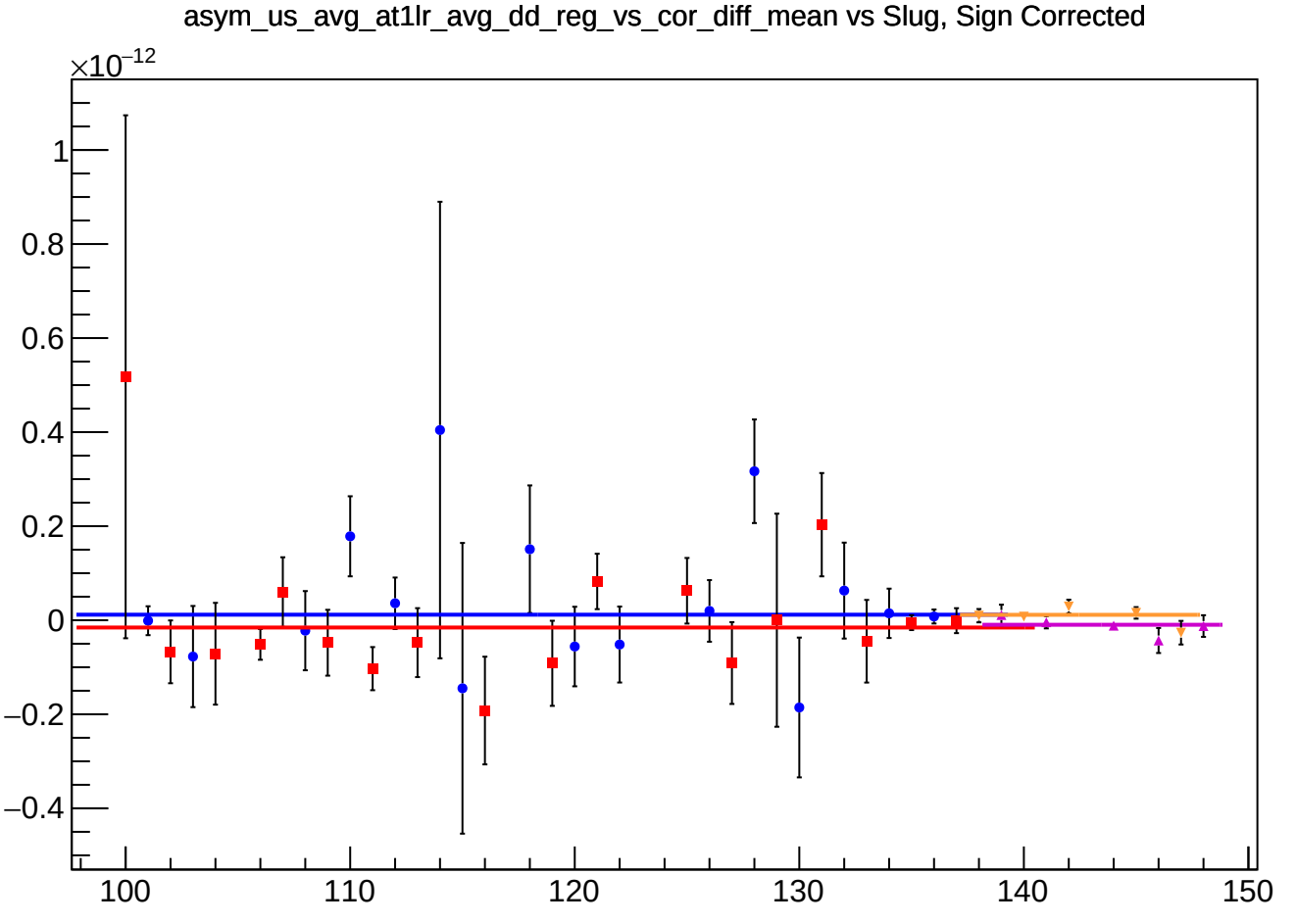
Left: 1803.747+/-0.449 χ^2/NDF: 4288.2/9

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

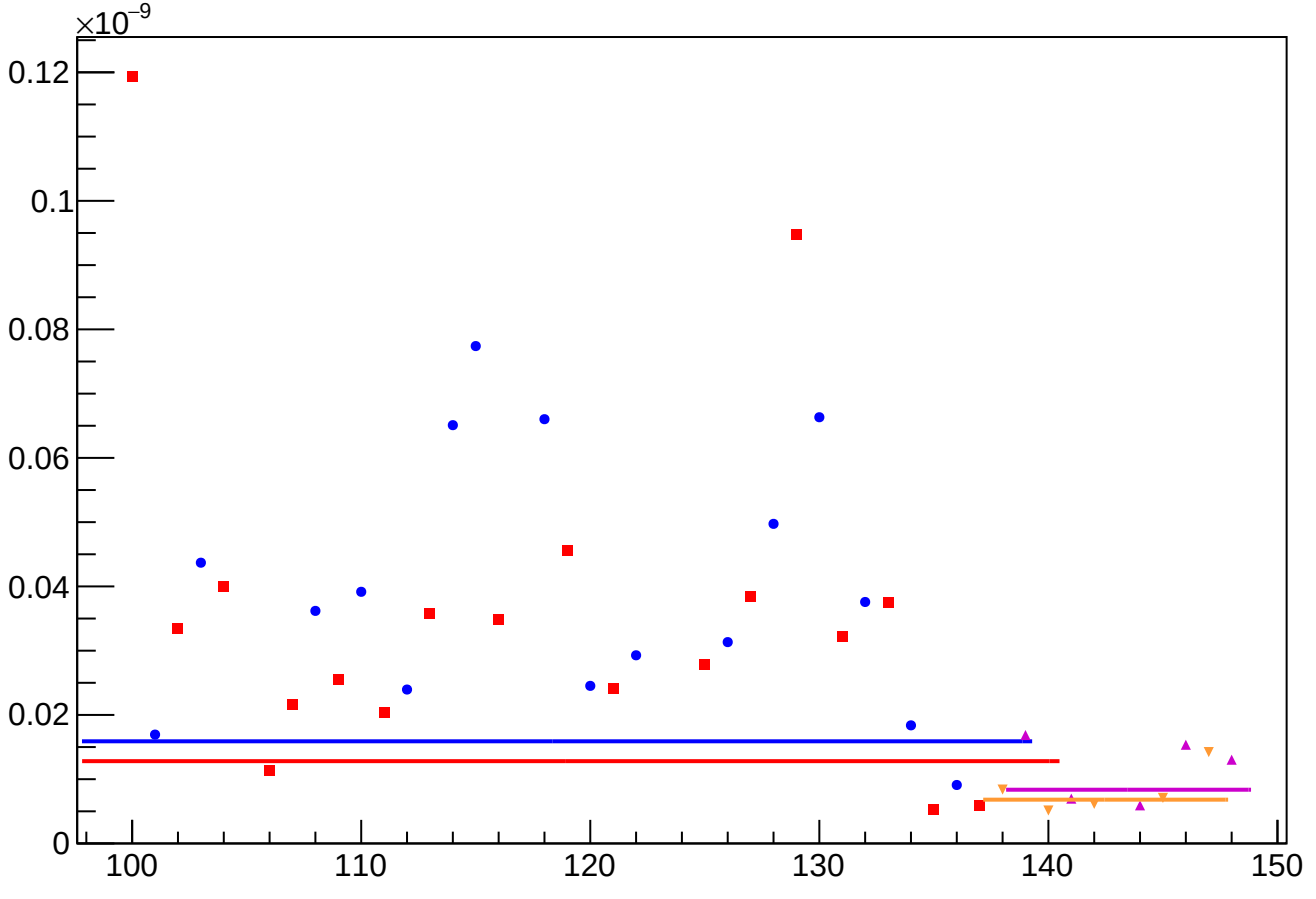
In: 1944.952+/-0.413 χ^2/NDF:1034216.6/20

Out: 1967.407+/-0.428 χ^2/NDF:795766.7/22

All: 1955.778+/-0.297 χ^2/NDF: 1831409.3/43


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.1/4
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:2.7/4
Left: 0.000+/-0.000 χ²/NDF: 12.5/9
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:23.3/20
Out: 0.000+/-0.000 χ²/NDF:29.7/22
All: 0.000+/-0.000 χ²/NDF: 54.6/43

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:264786.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:683159.7/4

Left: 0.000+/-0.000 χ^2/NDF: 1008919.1/9

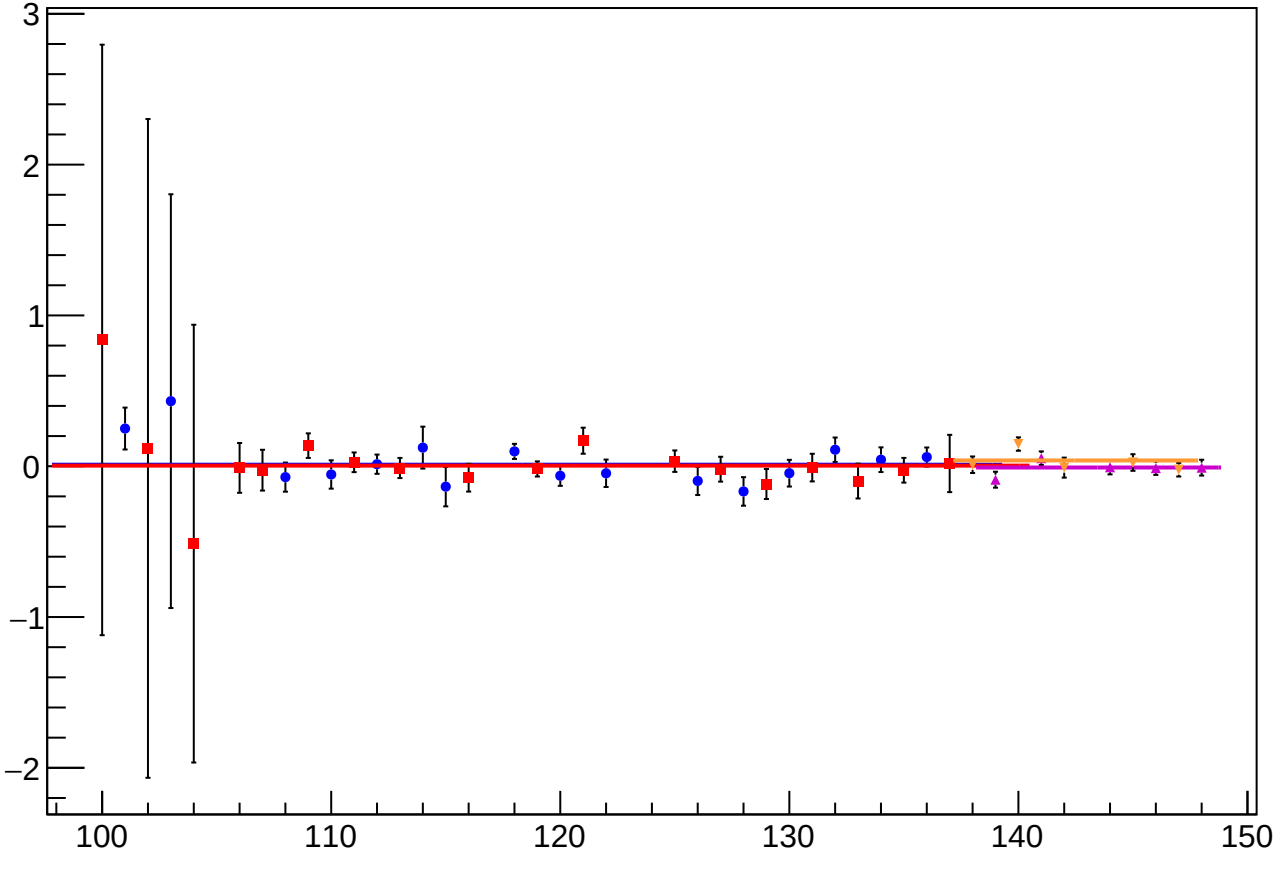
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3258041.4/20

Out: 0.000+/-0.000 χ^2/NDF:3233849.4/22

All: 0.000+/-0.000 χ^2/NDF: 6625905.3/43

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.009+/-0.022 χ^2/NDF:4.2/4

Left: 0.013+/-0.016 χ^2/NDF: 15.1/9

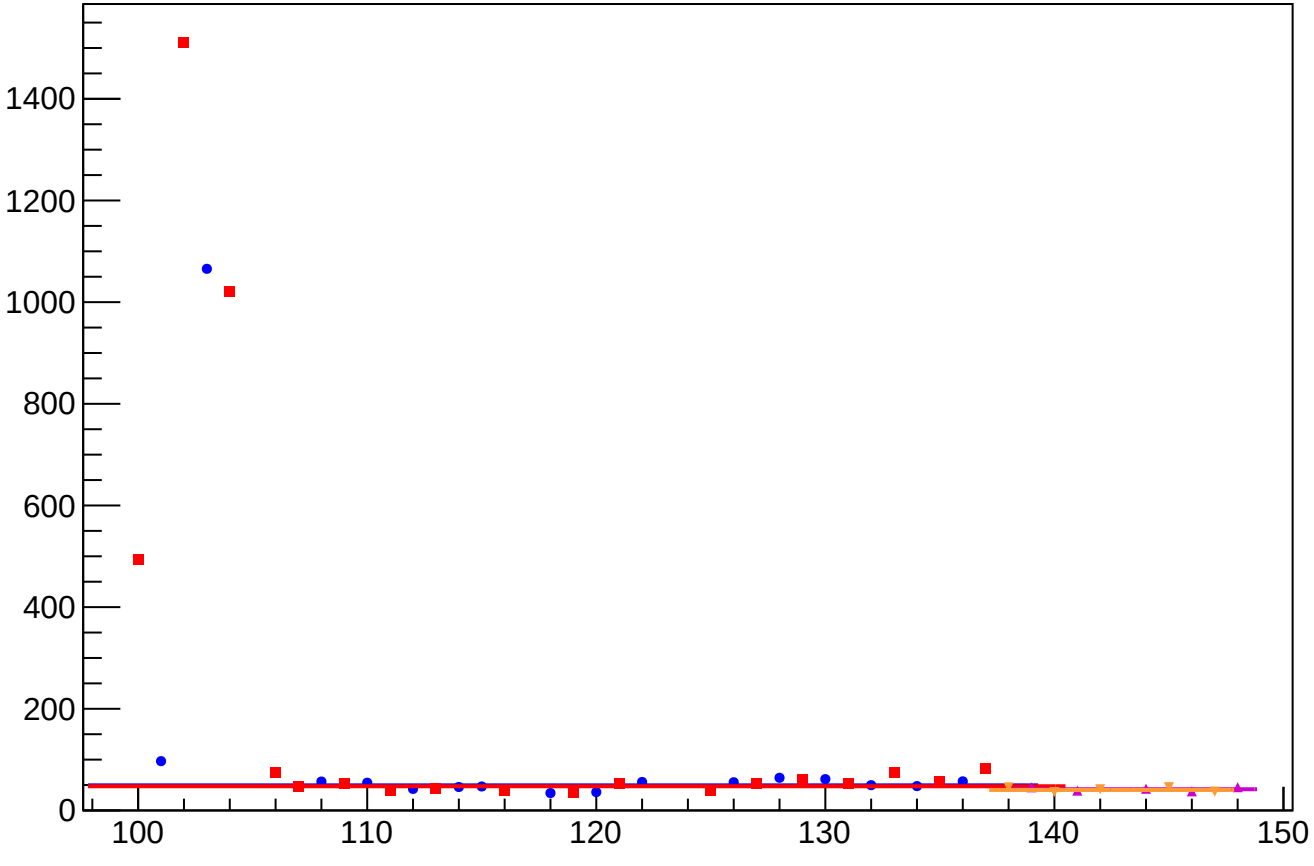
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.010+/-0.011 χ^2/NDF: 44.1/43

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 40.369+/-0.016 χ^2/NDF:62052.8/4

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.726+/-0.015 χ^2/NDF:47045.9/4

Left: 41.092+/-0.011 χ^2/NDF: 112793.5/9

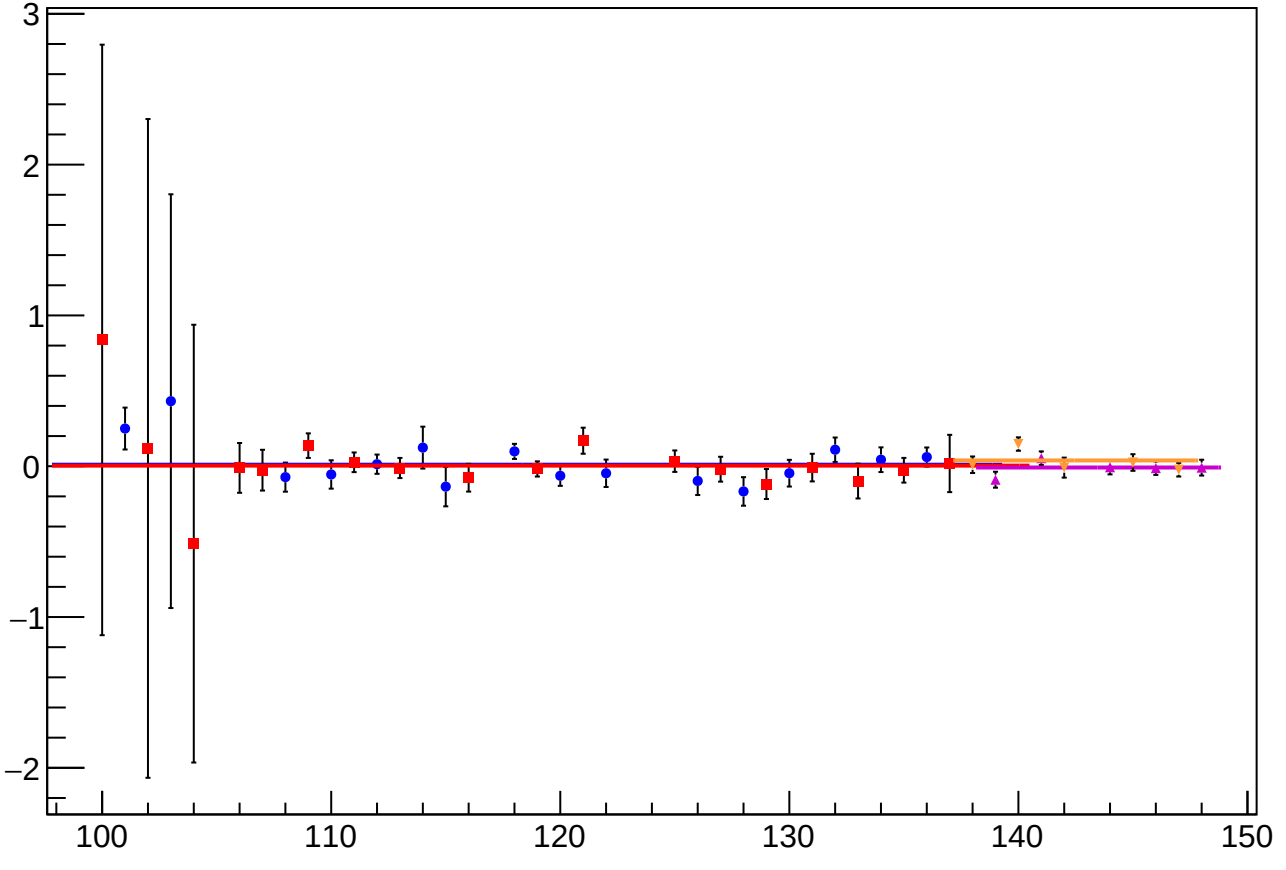
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.643+/-0.011 χ^2/NDF:1951867.6/20

Out: 44.236+/-0.011 χ^2/NDF:2585598.8/22

All: 44.970+/-0.008 χ^2/NDF: 4545840.2/43

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.009+/-0.022 χ^2/NDF:4.2/4

Left: 0.013+/-0.016 χ^2/NDF: 15.1/9

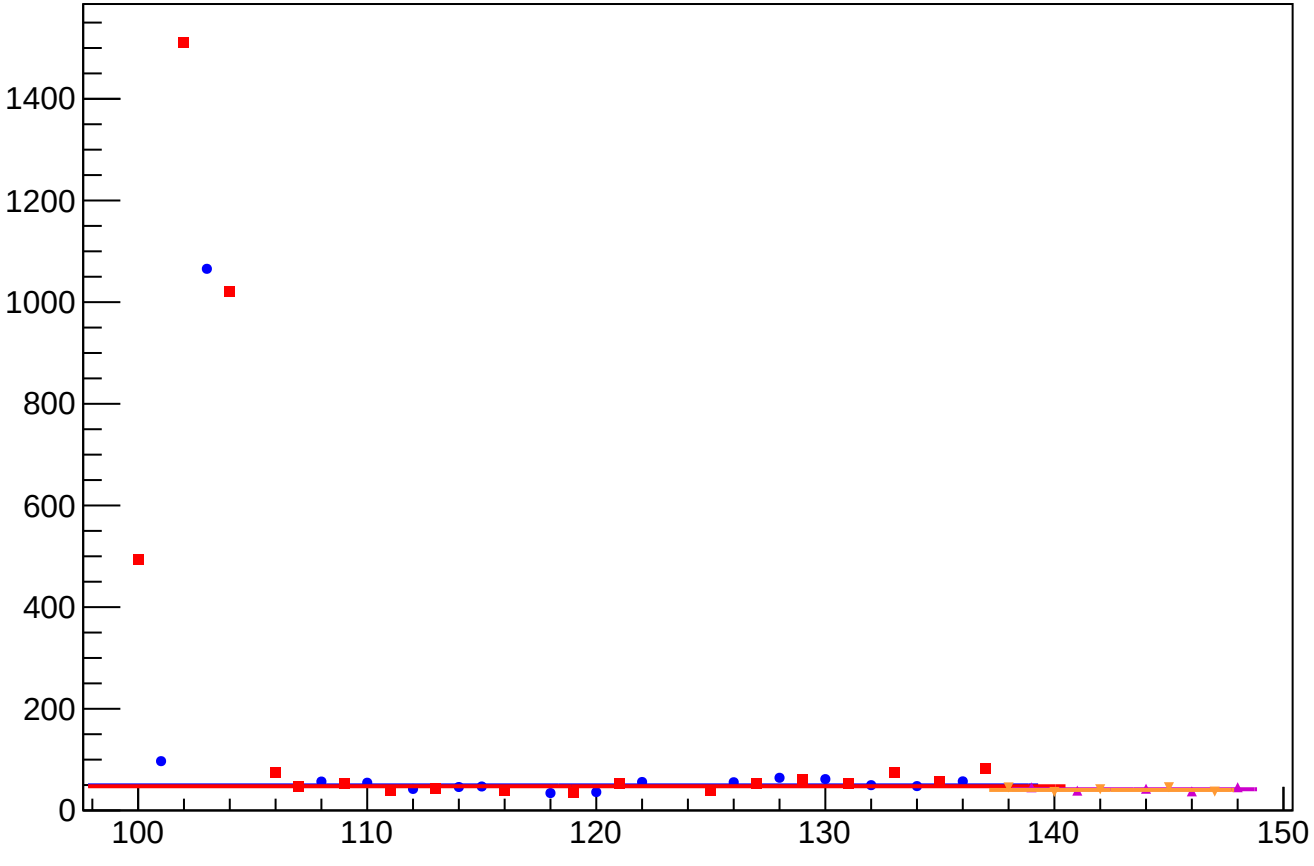
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.010+/-0.011 χ^2/NDF: 44.1/43

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: 40.369+/-0.016 χ^2/NDF:62052.8/4

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.726+/-0.015 χ^2/NDF:47045.9/4

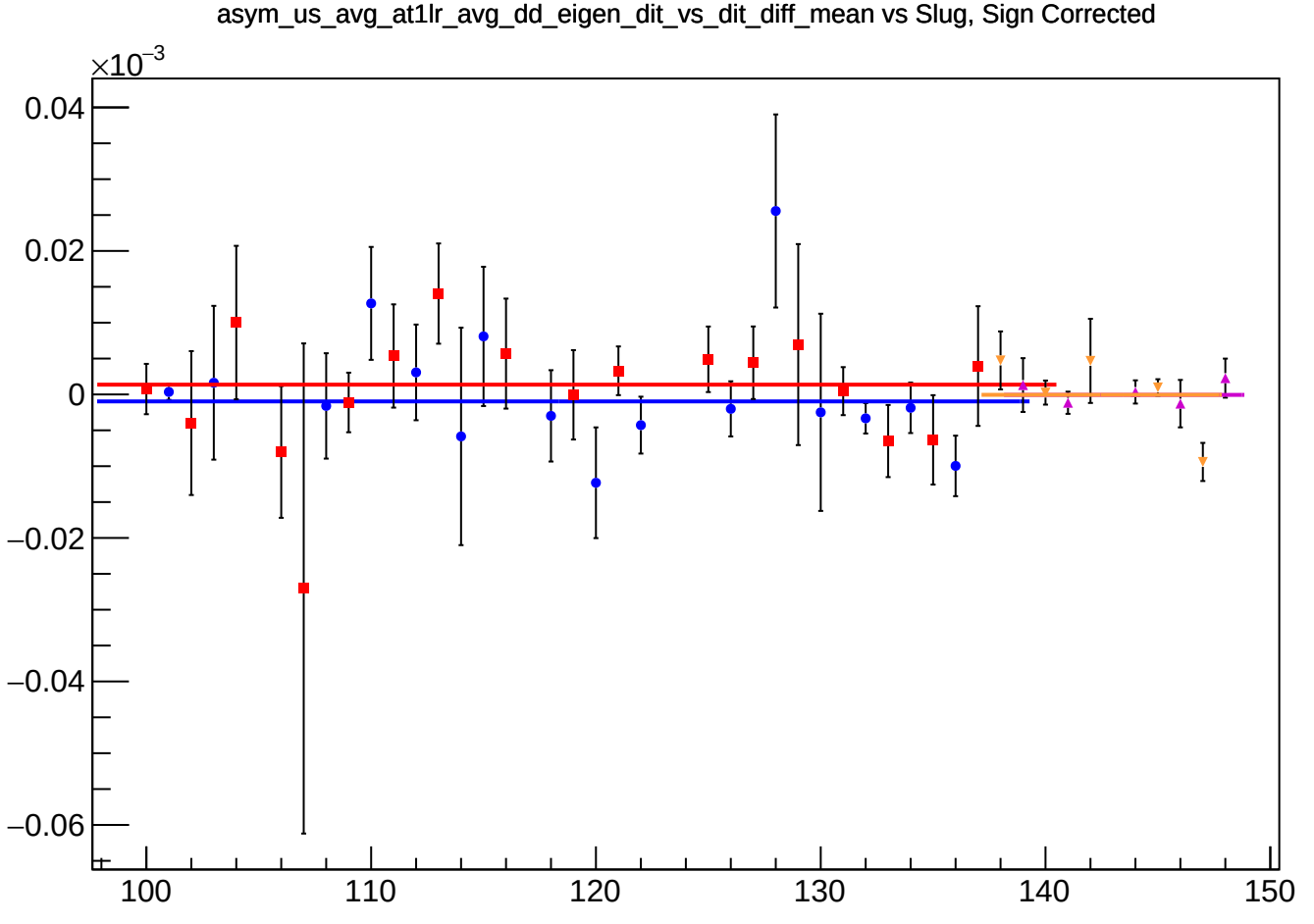
Left: 41.092+/-0.011 χ^2/NDF: 112793.5/9

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.643+/-0.011 χ^2/NDF:1951867.6/20

Out: 44.236+/-0.011 χ^2/NDF:2585598.8/22

All: 44.970+/-0.008 χ^2/NDF: 4545840.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

Left: -0.000+/-0.000 χ^2/NDF: 16.9/9

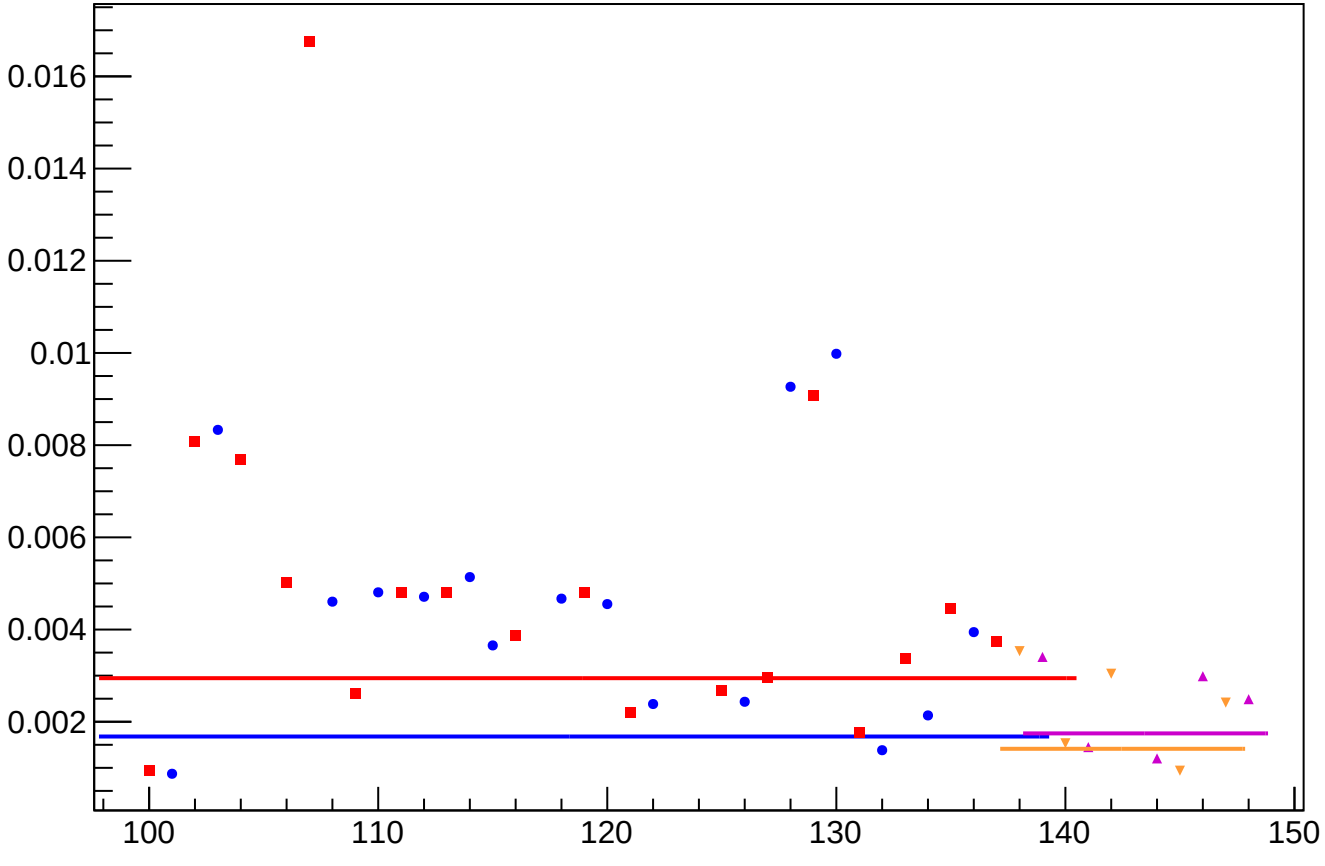
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:20.7/20

Out: 0.000+/-0.000 χ^2/NDF:28.8/22

All: -0.000+/-0.000 χ^2/NDF: 50.5/43

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: 0.001+/-0.000 χ^2/NDF:1341631.7/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:1121490.7/4

Left: 0.002+/-0.000 χ^2/NDF: 2598414.8/9

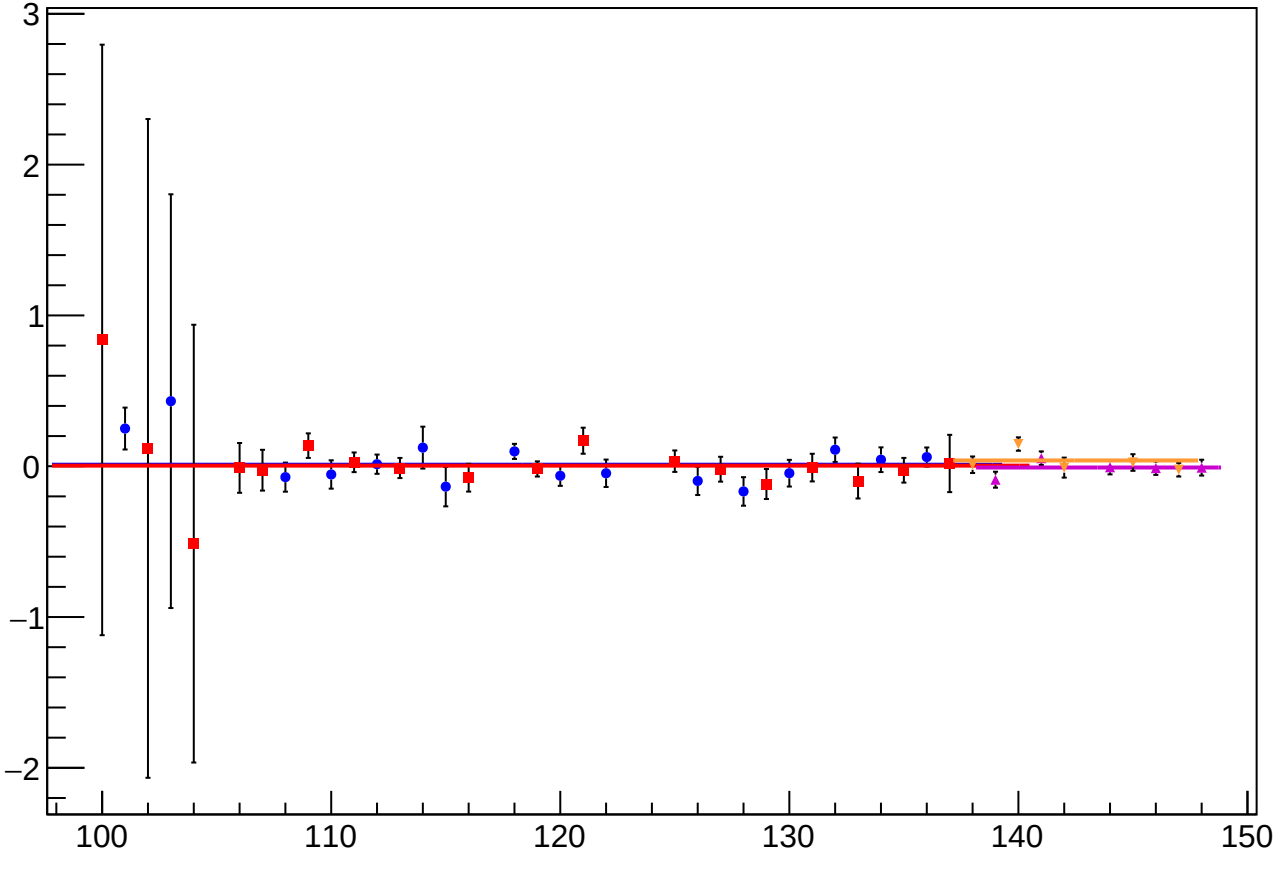
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:7087457.4/20

Out: 0.002+/-0.000 χ^2/NDF:6674046.6/22

All: 0.002+/-0.000 χ^2/NDF: 13830464.5/43

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.009+/-0.022 χ^2/NDF:4.2/4

Left: 0.013+/-0.016 χ^2/NDF: 15.1/9

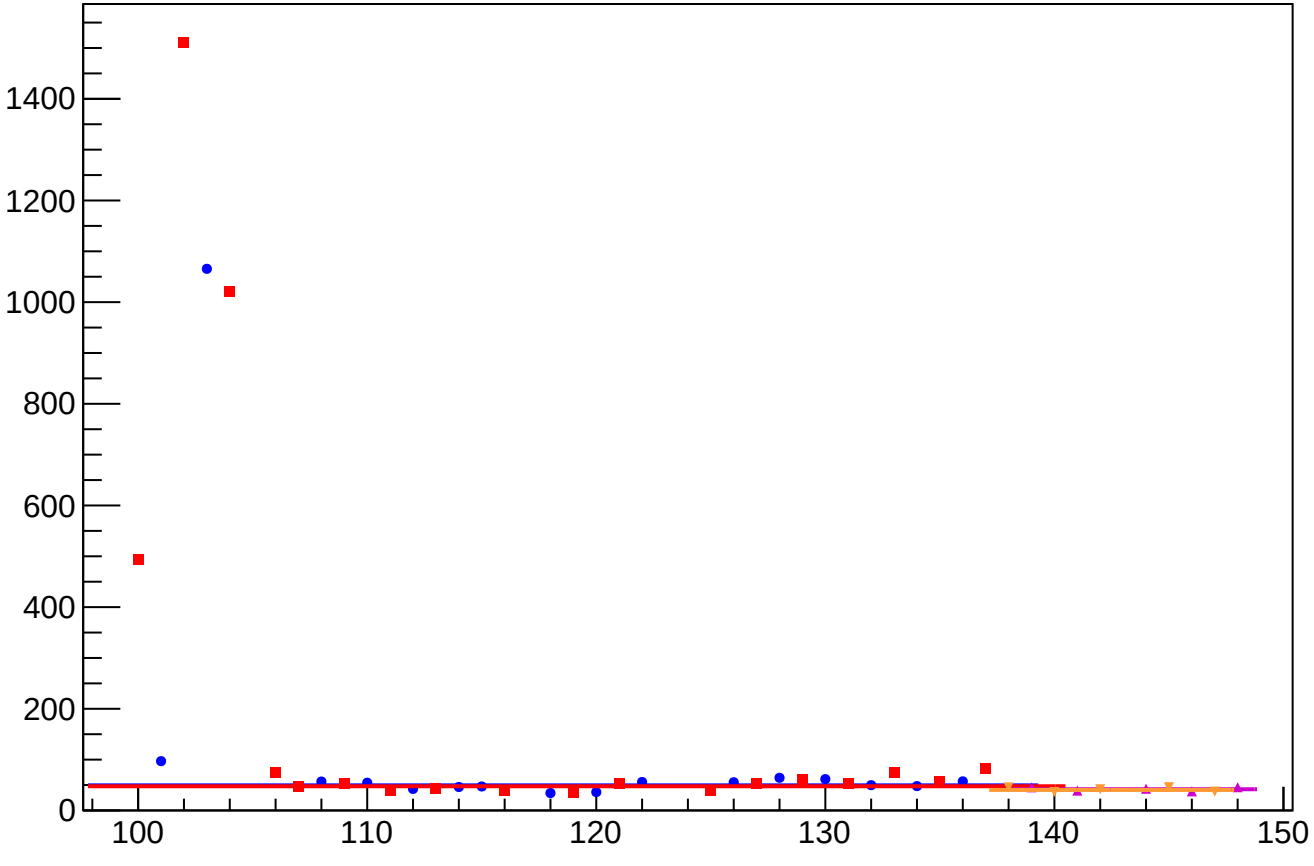
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.010+/-0.011 χ^2/NDF: 44.1/43

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: 40.369+/-0.016 χ^2/NDF:62062.6/4

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.725+/-0.015 χ^2/NDF:47057.9/4

Left: 41.091+/-0.011 χ^2/NDF: 112811.5/9

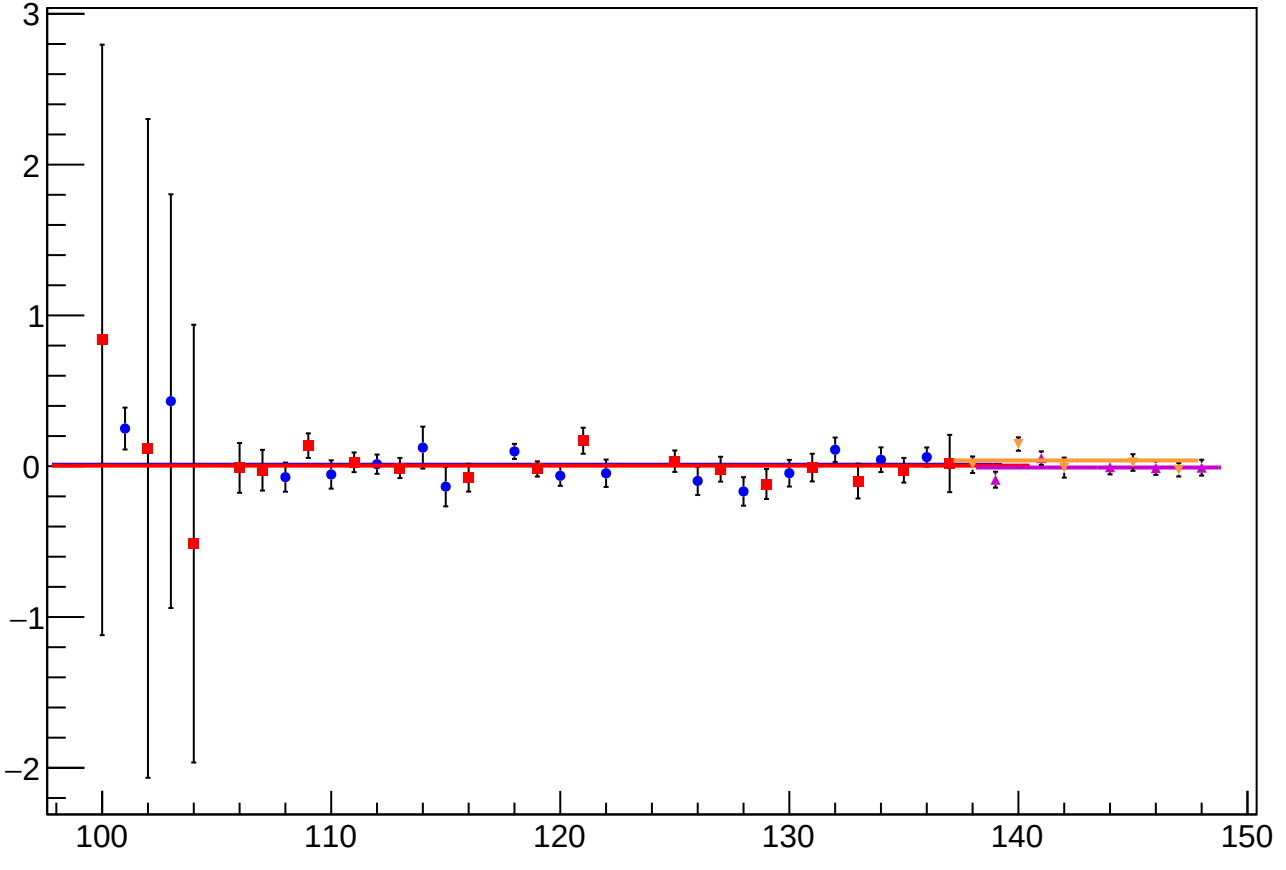
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.643+/-0.011 χ^2/NDF:1951846.0/20

Out: 44.235+/-0.011 χ^2/NDF:2585620.1/22

All: 44.970+/-0.008 χ^2/NDF: 4545842.5/43

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.009+/-0.022 χ^2/NDF:4.2/4

Left: 0.013+/-0.016 χ^2/NDF: 15.1/9

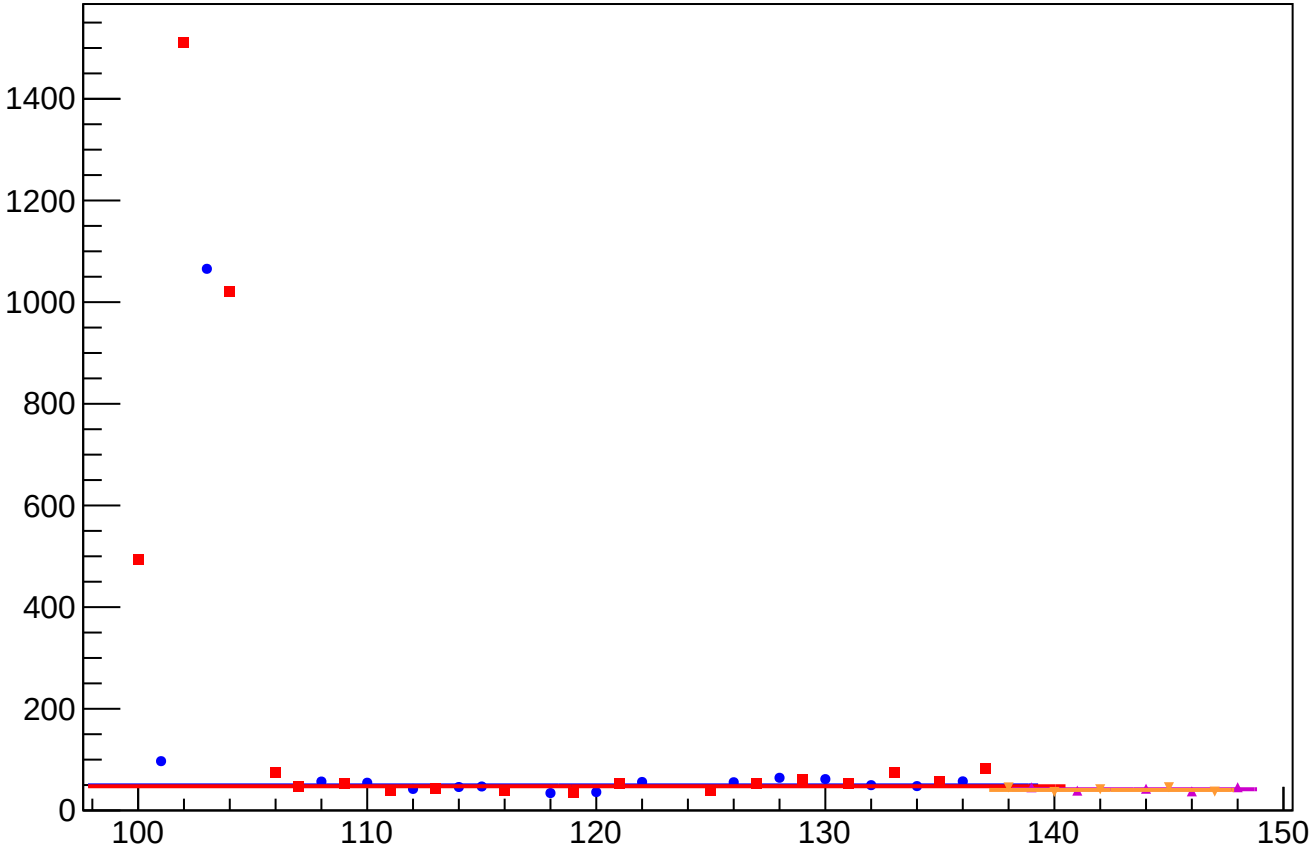
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.010+/-0.011 χ^2/NDF: 44.1/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 40.369+/-0.016 χ^2/NDF:62062.6/4

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.725+/-0.015 χ^2/NDF:47057.9/4

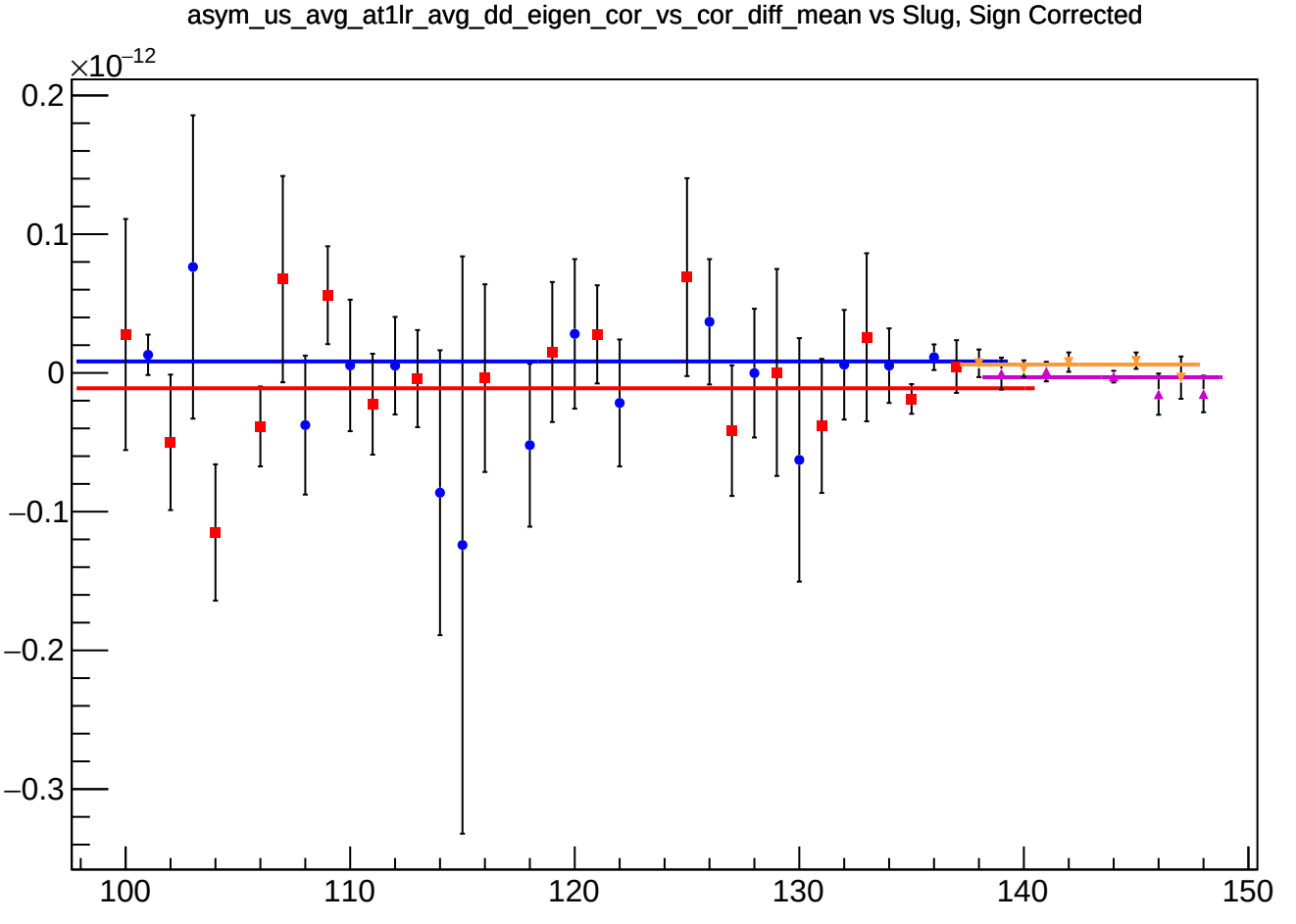
Left: 41.091+/-0.011 χ^2/NDF: 112811.5/9

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.643+/-0.011 χ^2/NDF:1951846.0/20

Out: 44.235+/-0.011 χ^2/NDF:2585620.1/22

All: 44.970+/-0.008 χ^2/NDF: 4545842.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

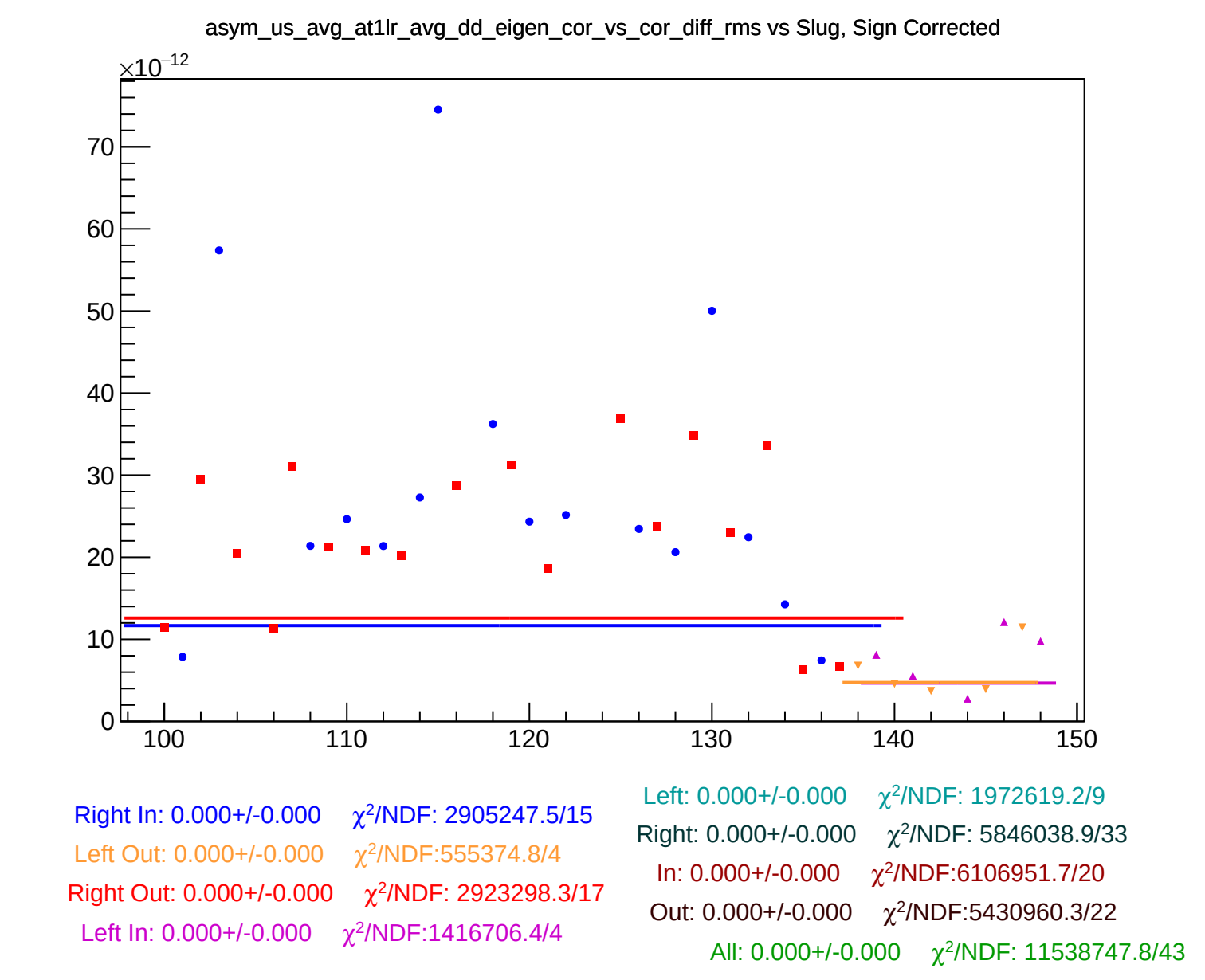
Left: 0.000+/-0.000 χ^2/NDF: 6.7/9

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

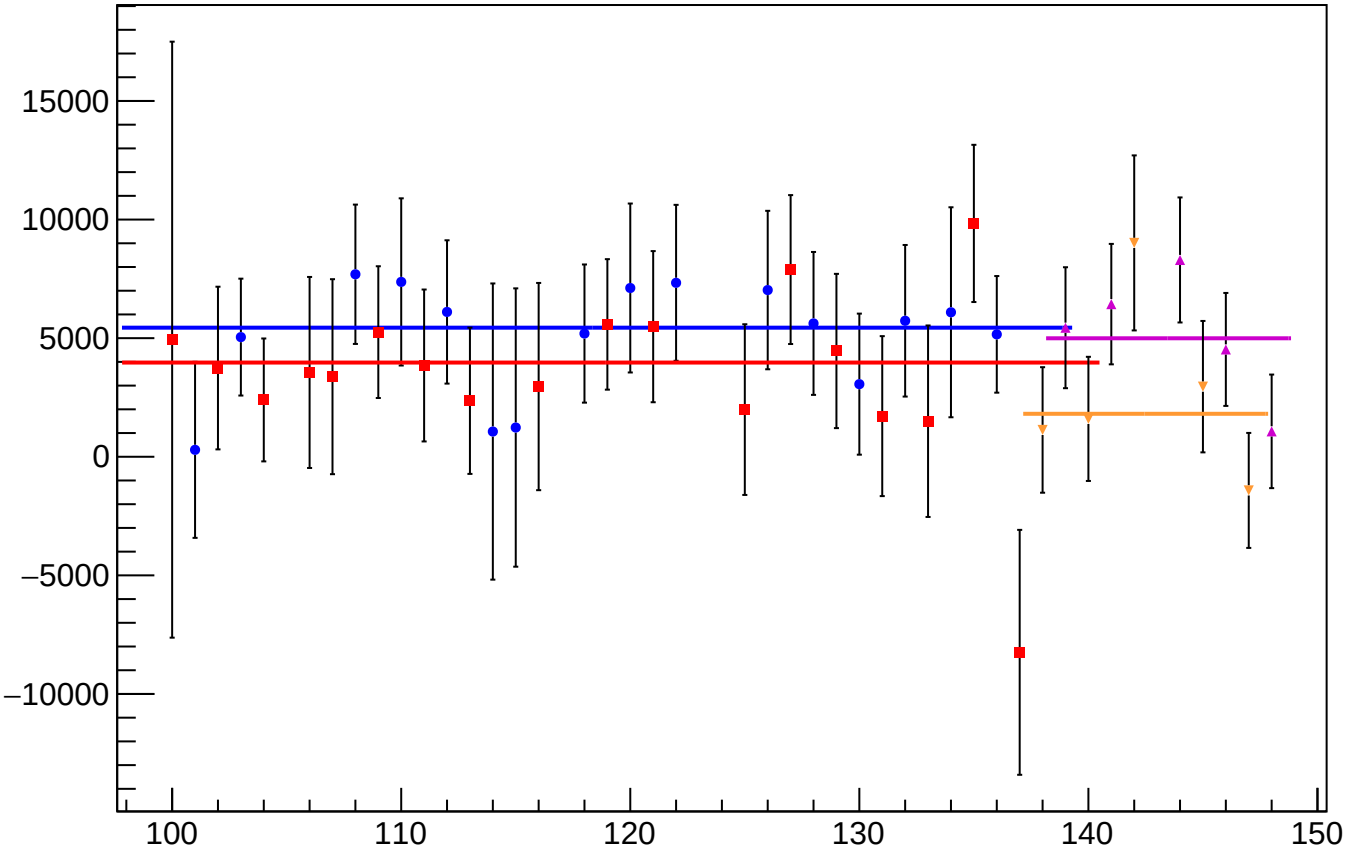
In: -0.000+/-0.000 χ^2/NDF:9.7/20

Out: 0.000+/-0.000 χ^2/NDF:21.8/22

All: 0.000+/-0.000 χ^2/NDF: 32.4/43


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:555374.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:1416706.4/4
Left: 0.000+/-0.000 χ²/NDF: 1972619.2/9
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:6106951.7/20
Out: 0.000+/-0.000 χ²/NDF:5430960.3/22
All: 0.000+/-0.000 χ²/NDF: 11538747.8/43

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.339+/-1228.286 χ^2/NDF:5.8/4

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 4994.829+/-1115.426 χ^2/NDF:4.6/4

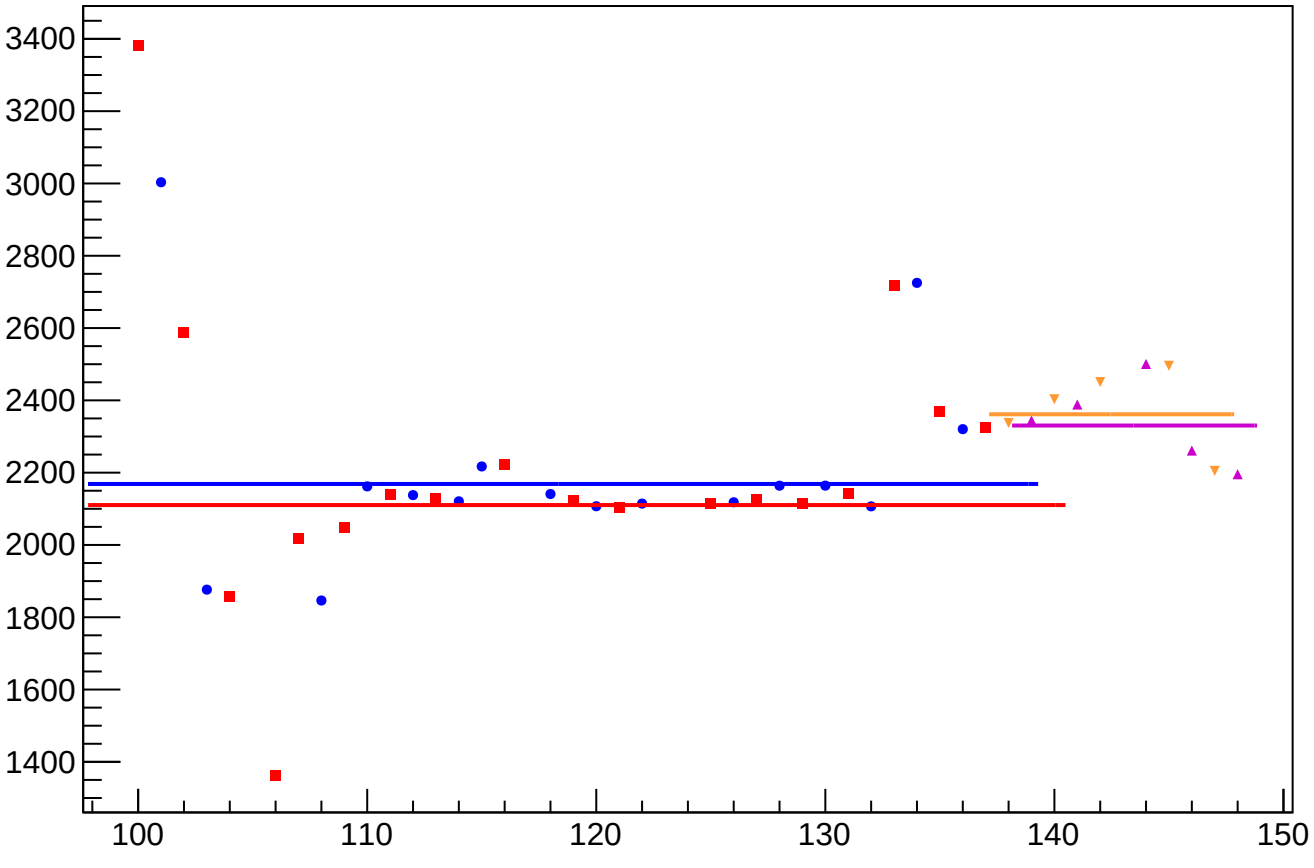
Left: 3556.028+/-825.749 χ^2/NDF: 14.2/9

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5287.195+/-656.757 χ^2/NDF:10.1/20

Out: 3318.062+/-675.634 χ^2/NDF:21.0/22

All: 4330.521+/-470.930 χ^2/NDF: 35.4/43



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

Left: 2344.424+/-0.584 χ^2/NDF: 33072.6/9

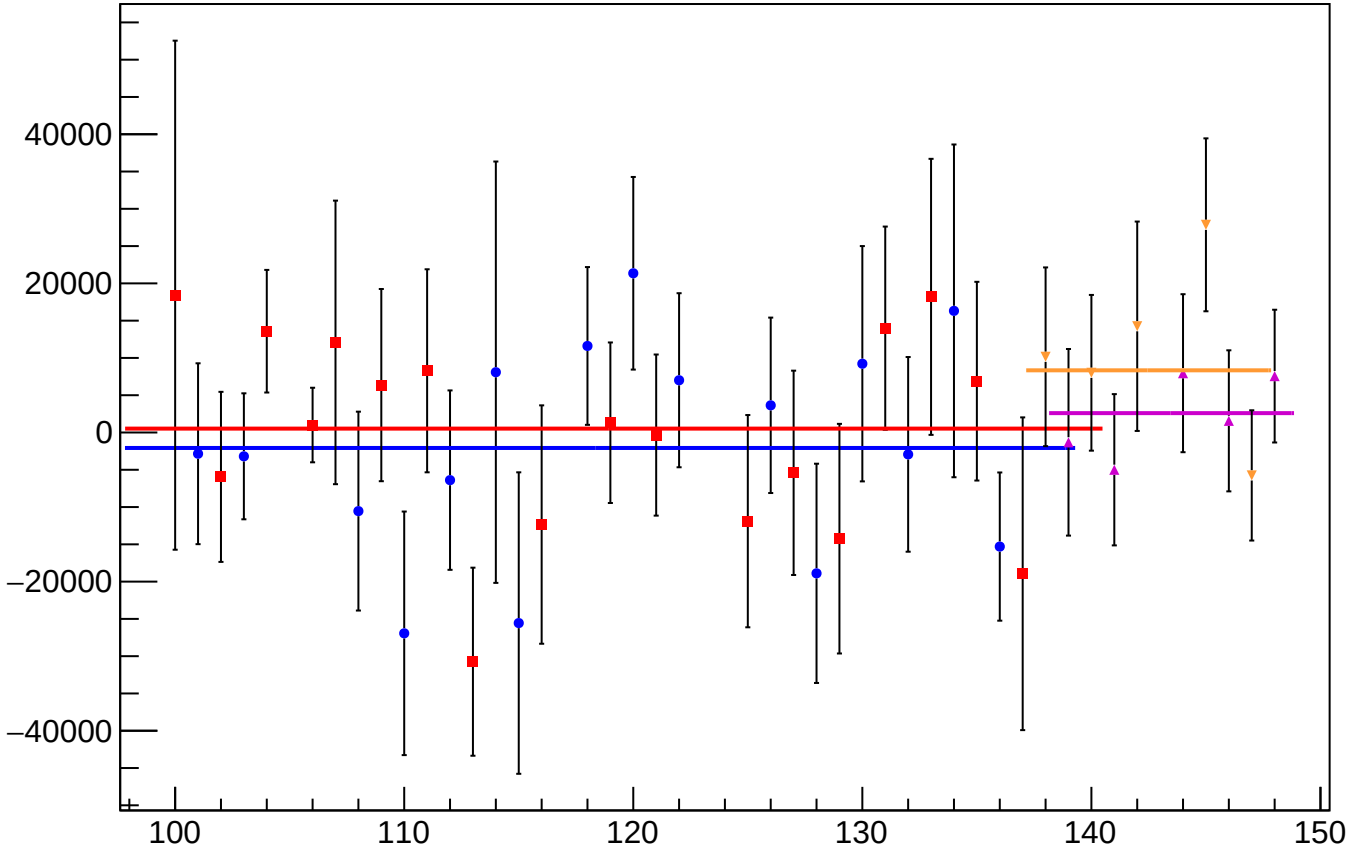
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2224.756+/-0.464 χ^2/NDF:240592.5/20

Out: 2184.656+/-0.472 χ^2/NDF:341151.7/22

All: 2205.049+/-0.331 χ^2/NDF: 585408.4/43

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: 8338.433+/-4894.311 χ^2/NDF:5.6/4

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2597.423+/-4526.546 χ^2/NDF:1.2/4

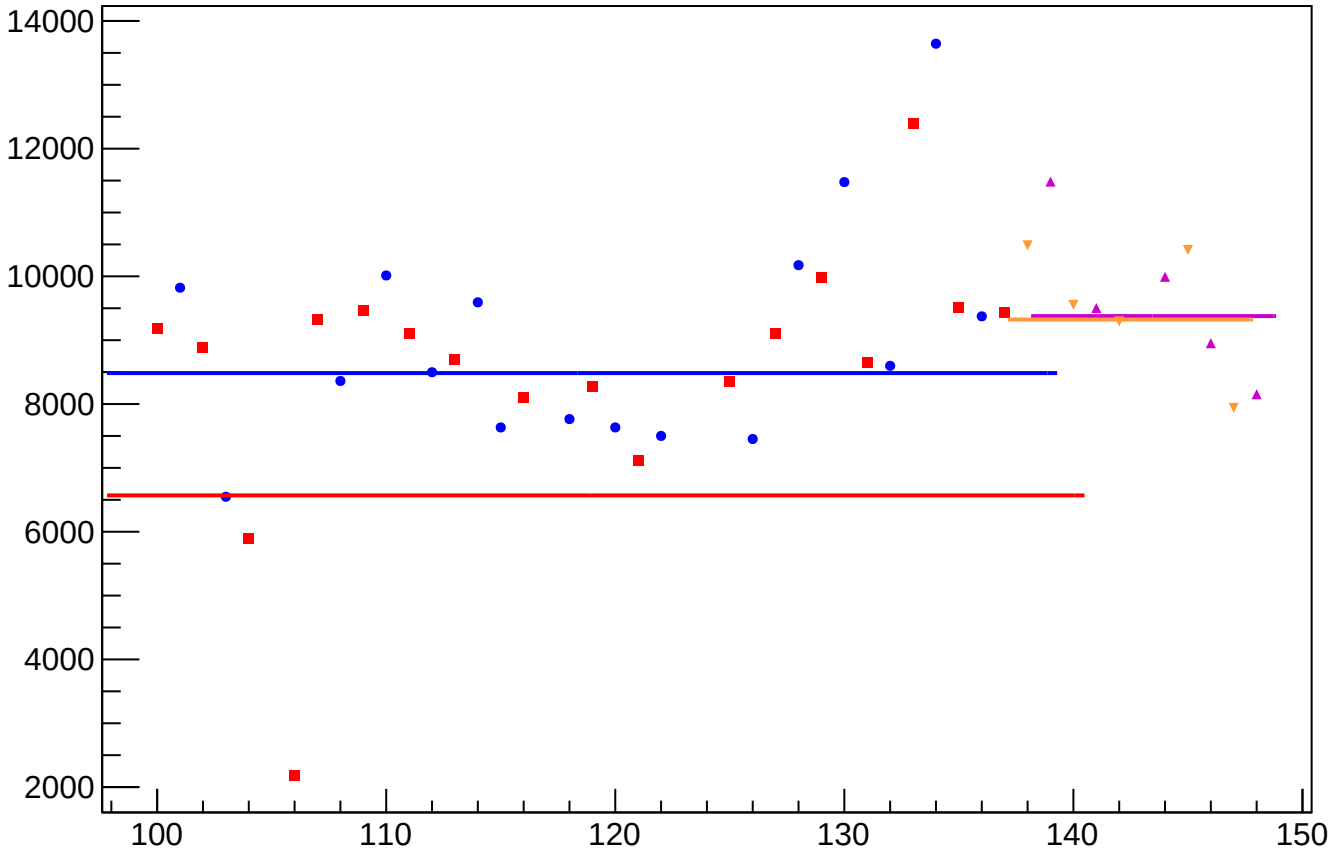
Left: 5244.155+/-3323.169 χ^2/NDF: 7.6/9

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -510.067+/-2619.565 χ^2/NDF:16.4/20

Out: 2361.481+/-2374.565 χ^2/NDF:23.3/22

All: 1066.239+/-1759.327 χ^2/NDF: 40.3/43



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9323.500+/-3.461 χ^2/NDF:87682.9/4

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9377.491+/-3.201 χ^2/NDF:105572.7/4

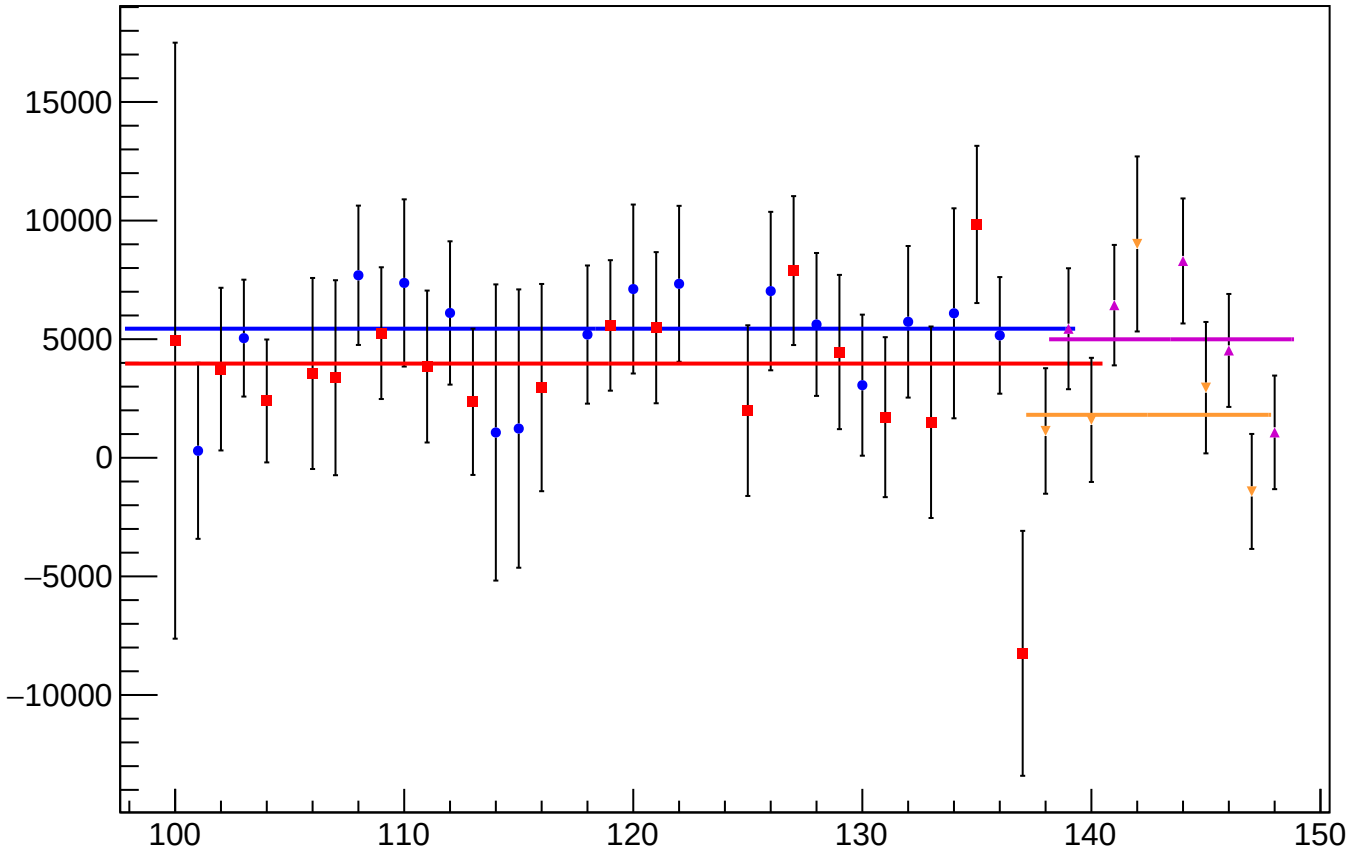
Left: 9352.600+/-2.350 χ^2/NDF: 193386.7/9

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8783.902+/-1.852 χ^2/NDF:579990.2/20

Out: 7217.156+/-1.679 χ^2/NDF:3141037.2/22

All: 7923.853+/-1.244 χ^2/NDF: 4113756.5/43



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.475+/-1228.286 χ^2/NDF:5.8/4

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 4995.173+/-1115.426 χ^2/NDF:4.6/4

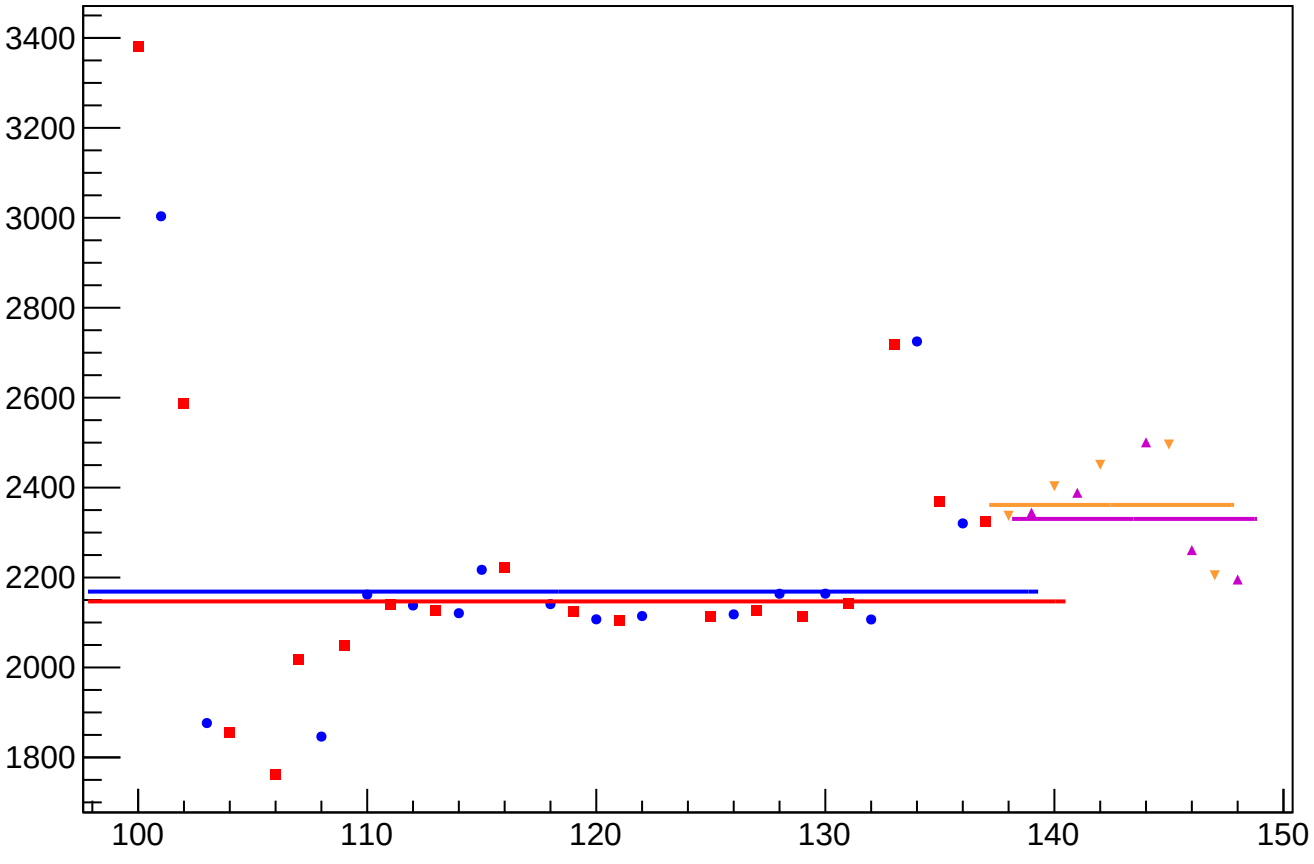
Left: 3556.278+/-825.749 χ^2/NDF: 14.2/9

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5287.407+/-656.757 χ^2/NDF:10.1/20

Out: 3317.922+/-675.634 χ^2/NDF:21.0/22

All: 4330.563+/-470.930 χ^2/NDF: 35.4/43



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

Left: 2344.424+/-0.584 χ^2/NDF: 33072.6/9

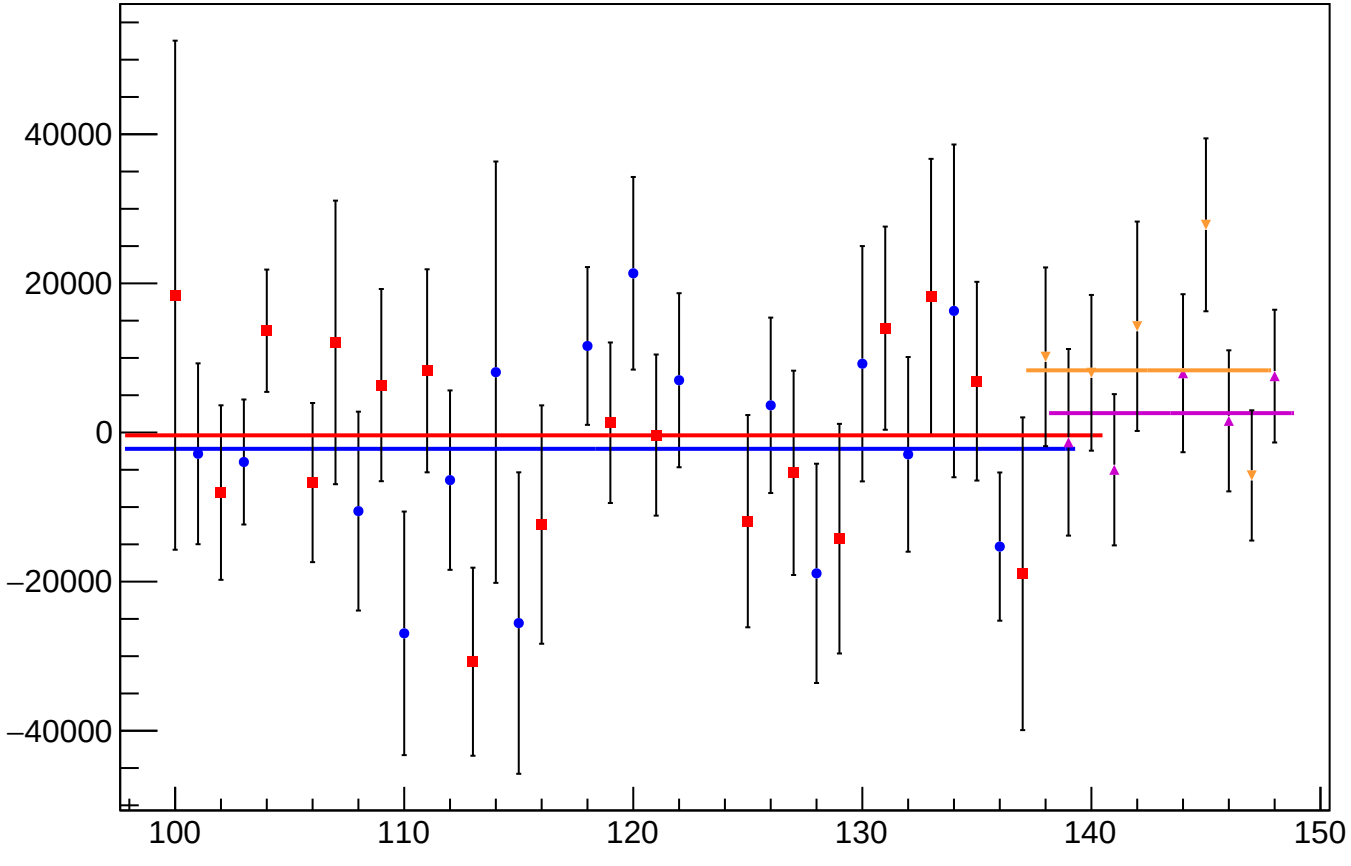
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.756+/-0.464 χ^2/NDF:240592.9/20

Out: 2211.365+/-0.476 χ^2/NDF:215330.5/22

All: 2218.227+/-0.332 χ^2/NDF: 456328.9/43

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 8338.504+/-4894.306 χ^2/NDF:5.6/4

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2597.487+/-4526.543 χ^2/NDF:1.2/4

Left: 5244.223+/-3323.166 χ^2/NDF: 7.6/9

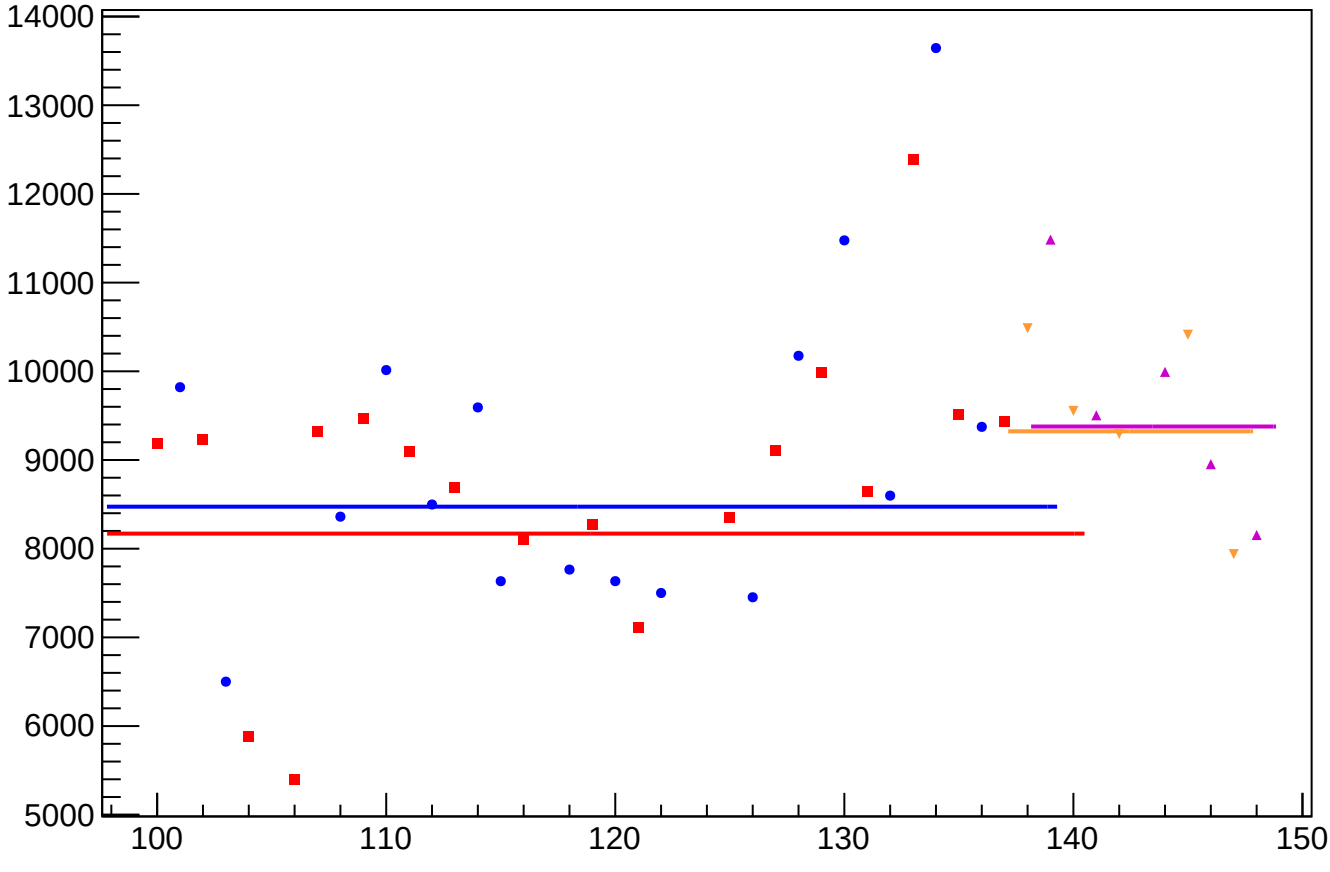
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -588.510+/-2617.628 χ^2/NDF:16.4/20

Out: 2116.744+/-2618.845 χ^2/NDF:24.2/22

All: 763.488+/-1851.373 χ^2/NDF: 41.2/43

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: 9323.492+/-3.461 χ^2/NDF:87681.3/4

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

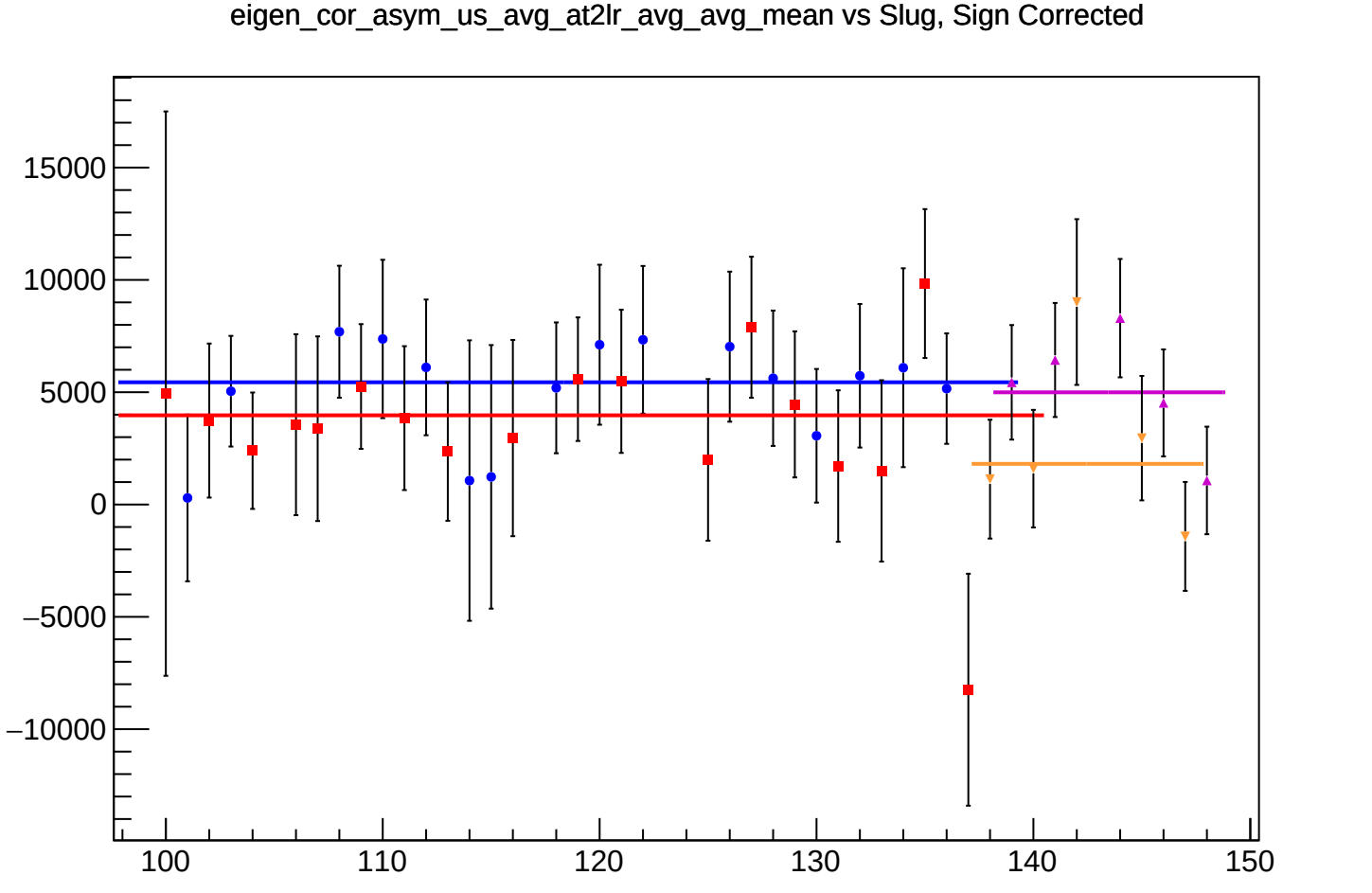
Left: 9352.594+/-2.350 χ^2/NDF: 193384.8/9

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8775.966+/-1.851 χ^2/NDF:588182.6/20

Out: 8500.276+/-1.852 χ^2/NDF:706887.5/22

All: 8638.185+/-1.309 χ^2/NDF: 1306157.3/43



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.475+/-1228.286 χ^2/NDF:5.8/4

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 4995.173+/-1115.426 χ^2/NDF:4.6/4

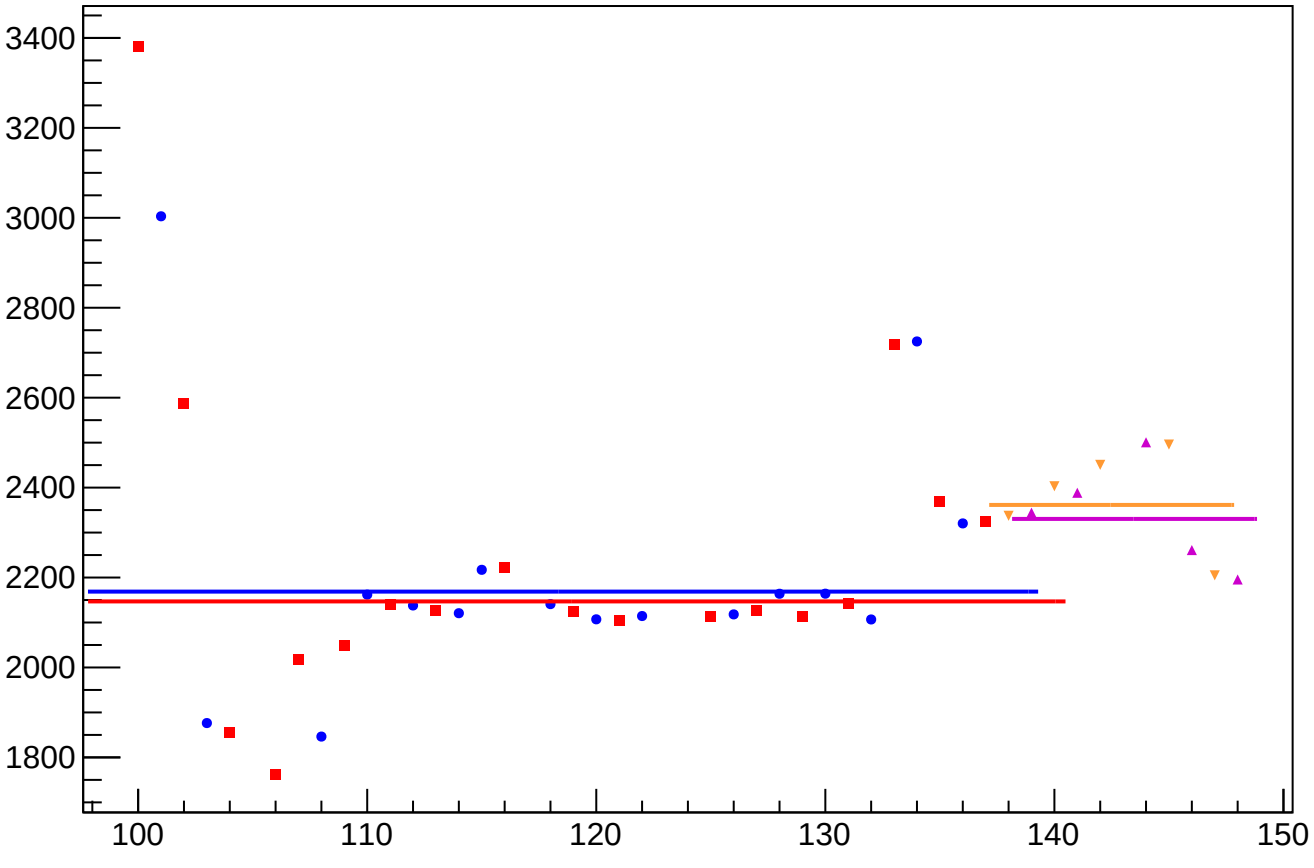
Left: 3556.278+/-825.749 χ^2/NDF: 14.2/9

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5287.407+/-656.757 χ^2/NDF:10.1/20

Out: 3317.922+/-675.634 χ^2/NDF:21.0/22

All: 4330.563+/-470.930 χ^2/NDF: 35.4/43



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2330.366+/-0.789 χ^2/NDF:17490.2/4

Left: 2344.424+/-0.584 χ^2/NDF: 33072.6/9

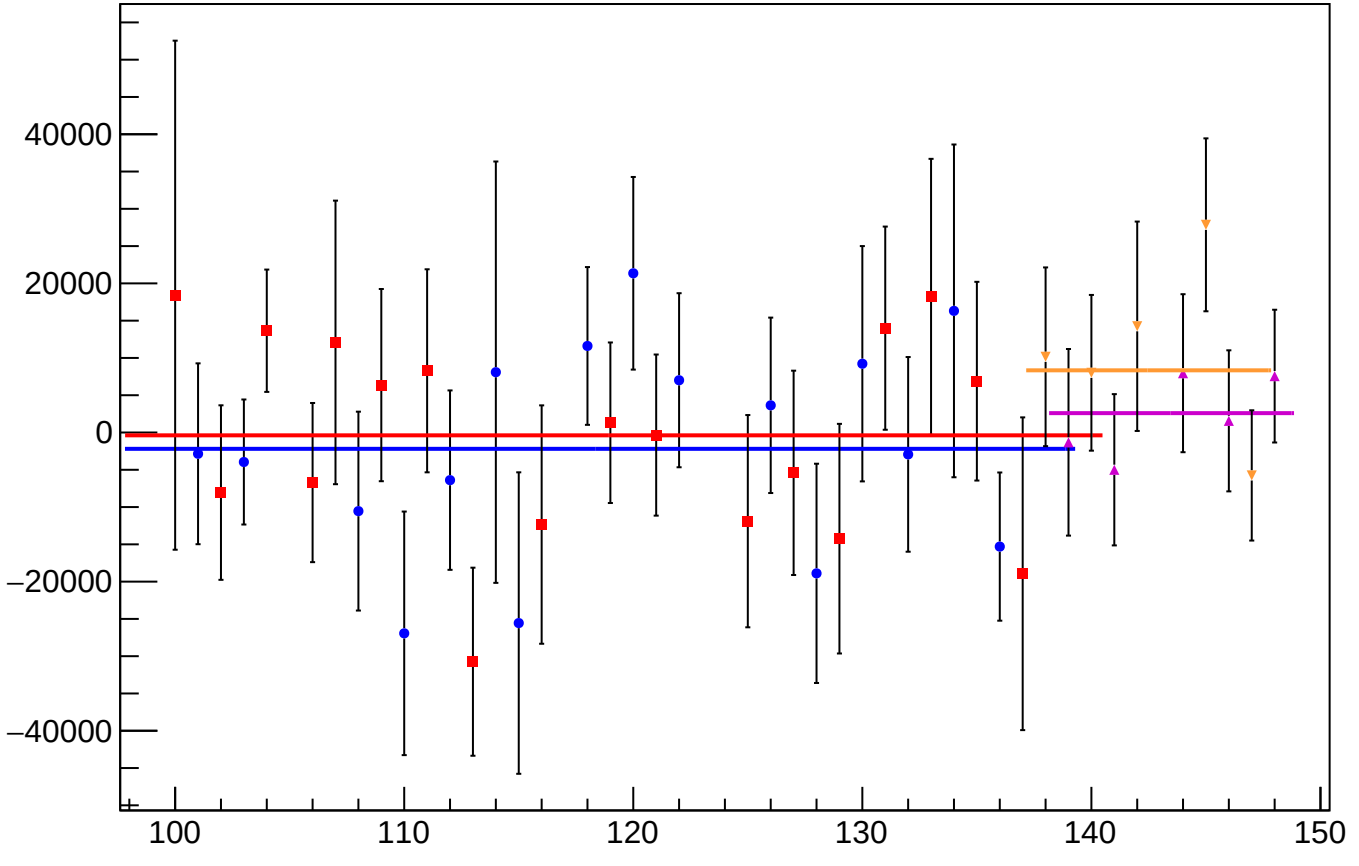
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.756+/-0.464 χ^2/NDF:240592.9/20

Out: 2211.365+/-0.476 χ^2/NDF:215330.5/22

All: 2218.227+/-0.332 χ^2/NDF: 456328.9/43

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: 8338.504+/-4894.306 χ^2/NDF:5.6/4

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2597.487+/-4526.543 χ^2/NDF:1.2/4

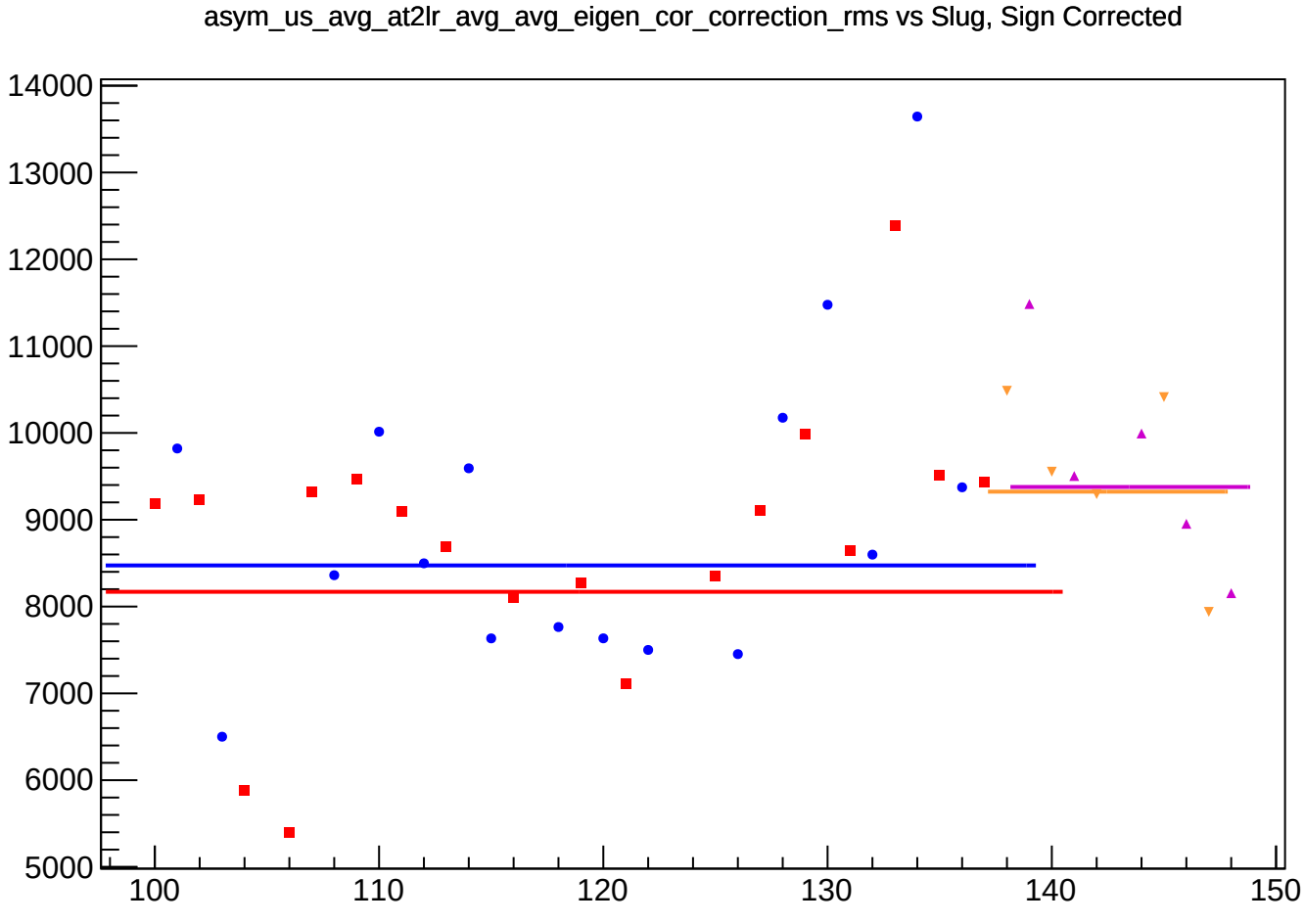
Left: 5244.223+/-3323.166 χ^2/NDF: 7.6/9

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -588.510+/-2617.628 χ^2/NDF:16.4/20

Out: 2116.744+/-2618.845 χ^2/NDF:24.2/22

All: 763.488+/-1851.373 χ^2/NDF: 41.2/43



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

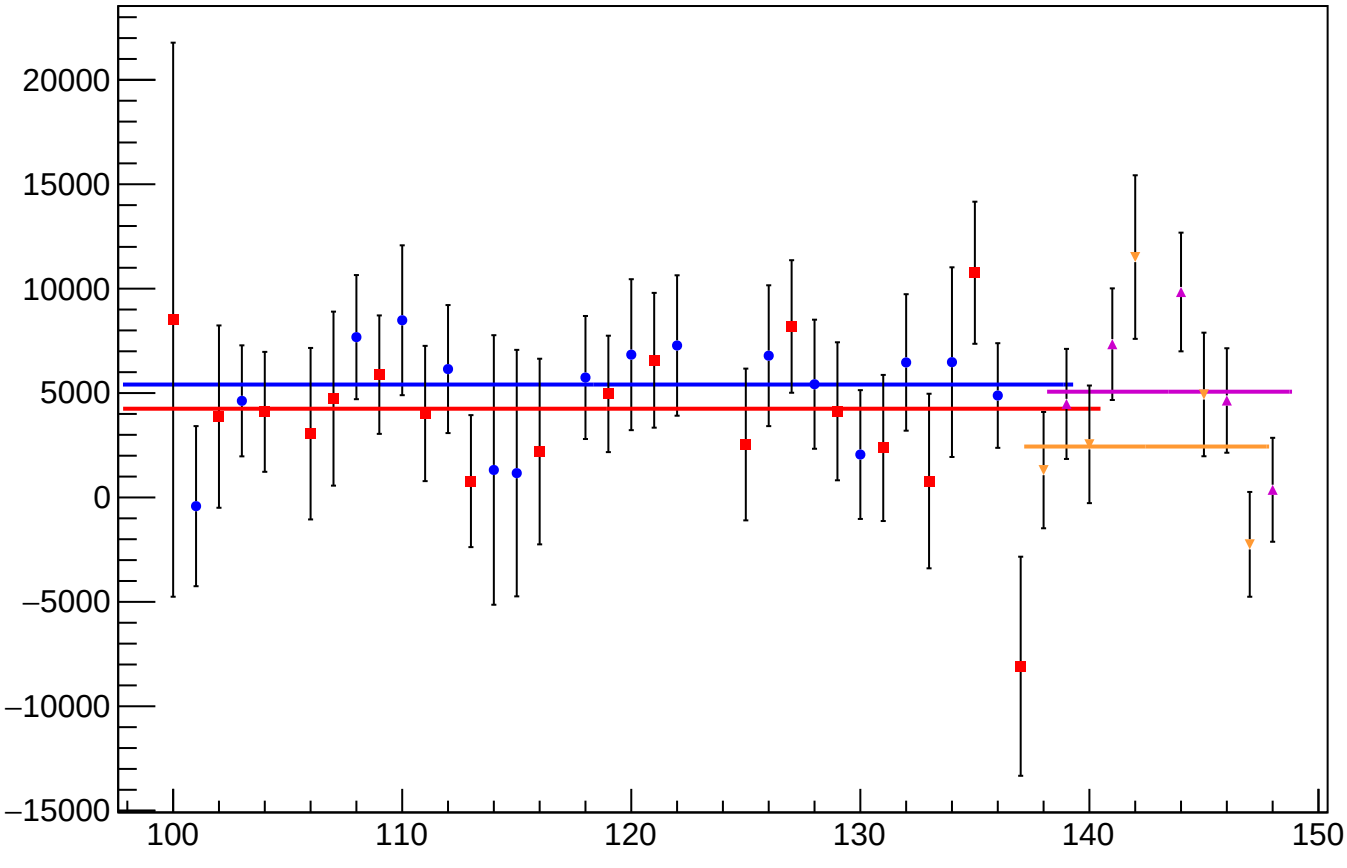
Left: 9352.594+/-2.350 χ^2/NDF: 193384.8/9

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8775.966+/-1.851 χ^2/NDF:588182.6/20

Out: 8500.276+/-1.852 χ^2/NDF:706887.5/22

All: 8638.185+/-1.309 χ^2/NDF: 1306157.3/43



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2438.992+/-1298.437 χ^2/NDF:9.7/4

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5064.798+/-1171.332 χ^2/NDF:7.2/4

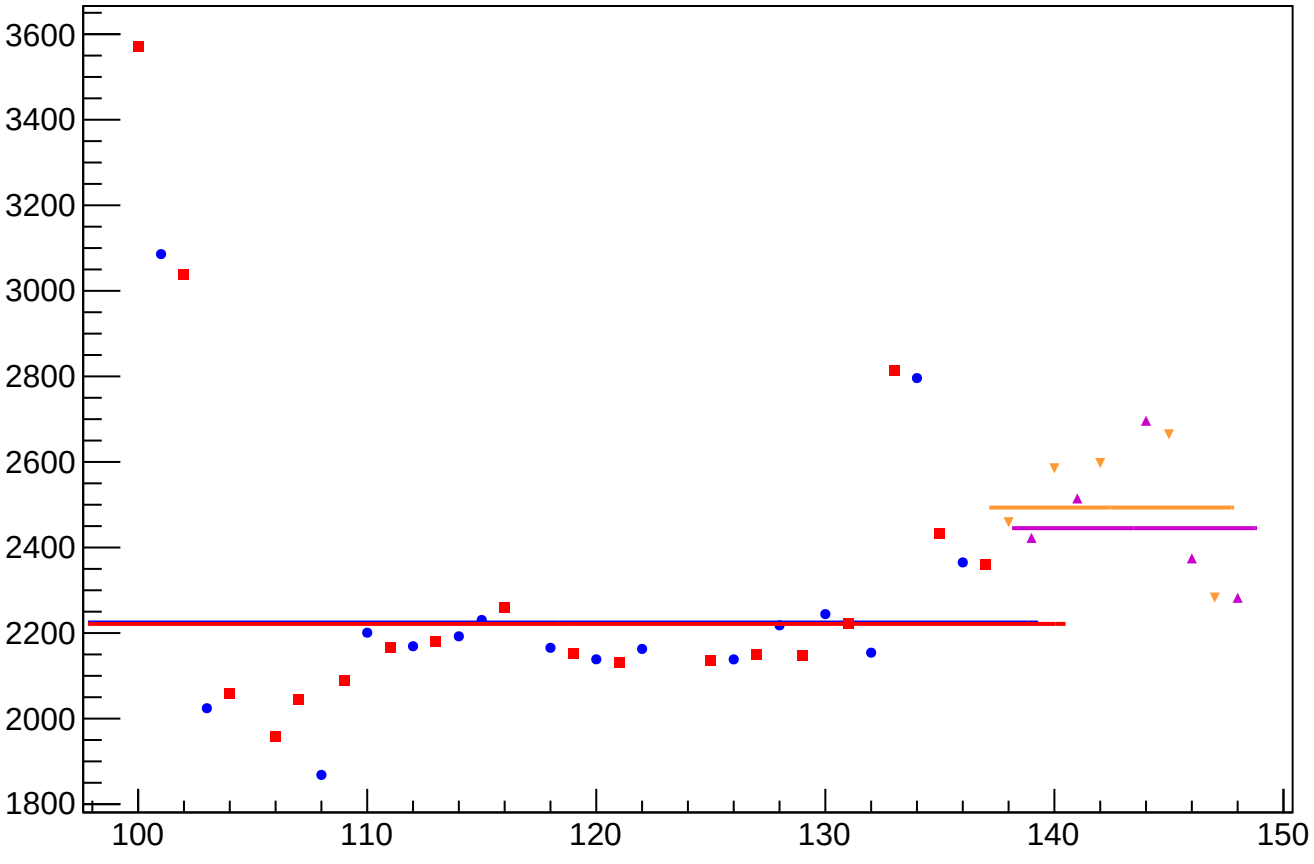
Left: 3886.674+/-869.731 χ^2/NDF: 19.2/9

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5292.512+/-679.216 χ^2/NDF:14.0/20

Out: 3716.204+/-704.886 χ^2/NDF:25.6/22

All: 4533.583+/-489.102 χ^2/NDF: 42.1/43



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2493.450+/-0.918 χ^2/NDF:24605.6/4

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.207+/-0.828 χ^2/NDF:27249.2/4

Left: 2466.852+/-0.615 χ^2/NDF: 53377.0/9

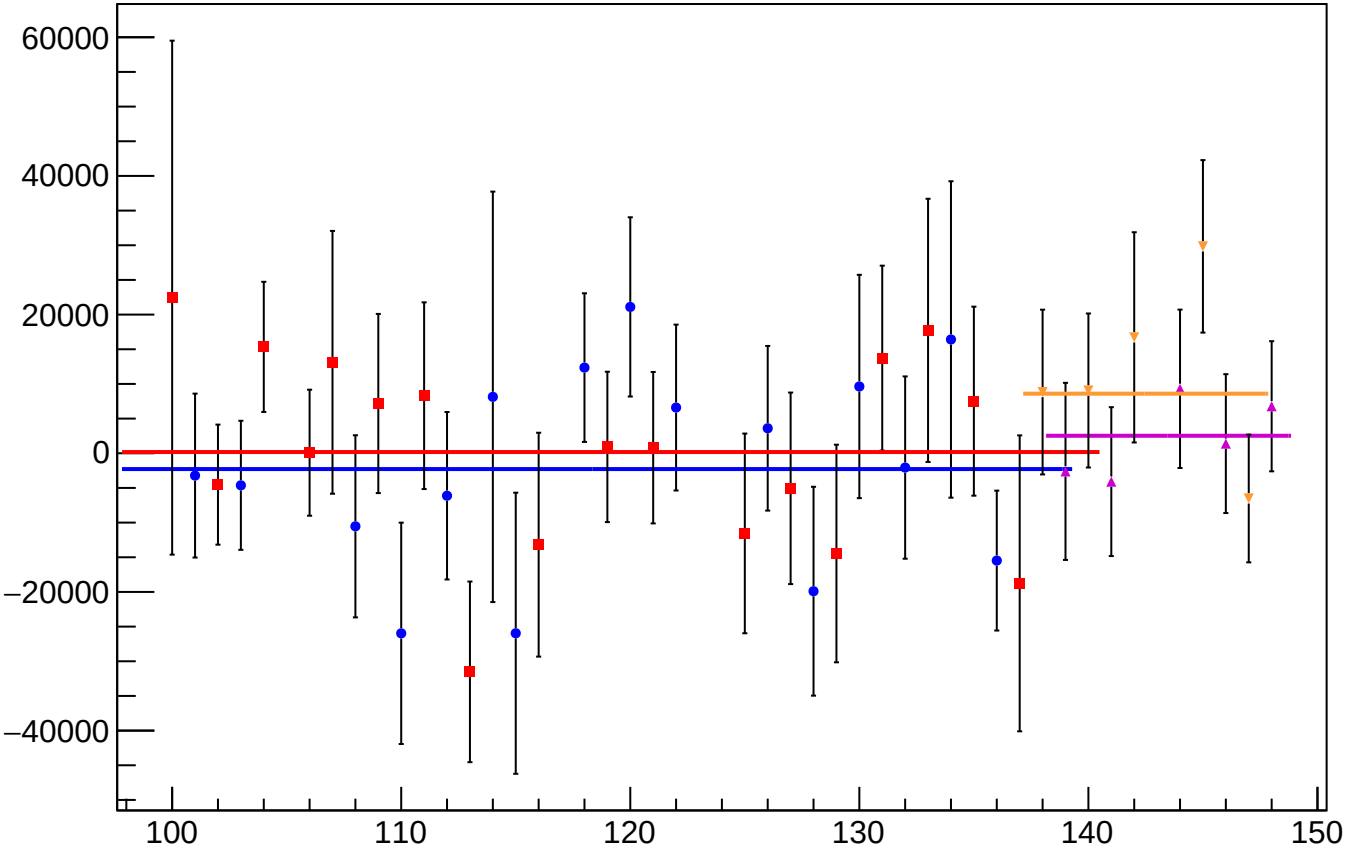
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2298.787+/-0.480 χ^2/NDF:259011.7/20

Out: 2301.524+/-0.498 χ^2/NDF:256483.9/22

All: 2300.105+/-0.346 χ^2/NDF: 515511.2/43

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: 8594.801+/-5144.696 χ^2/NDF:5.9/4

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2525.481+/-4778.300 χ^2/NDF:1.1/4

Left: 5336.343+/-3501.140 χ^2/NDF: 7.8/9

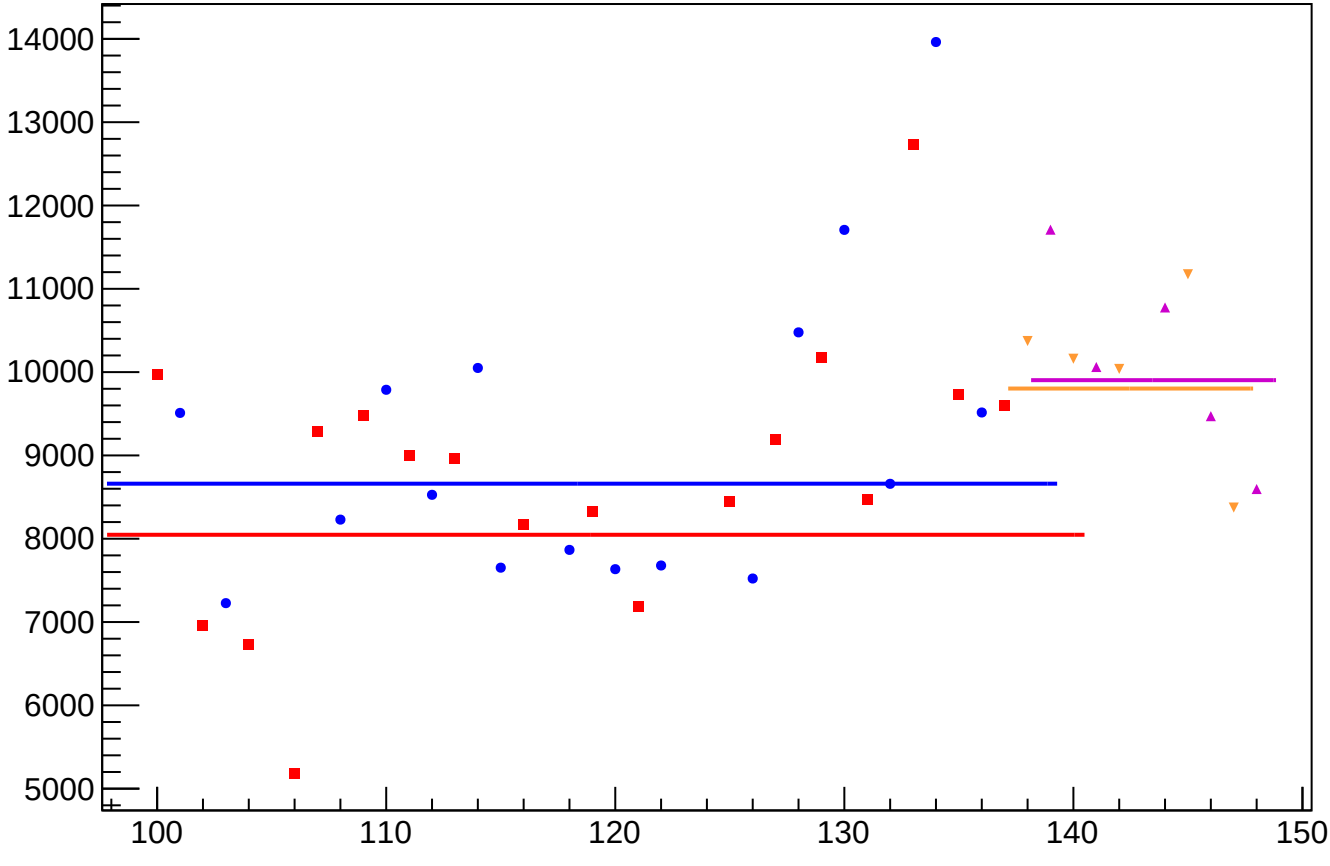
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -745.100+/-2699.570 χ^2/NDF:16.3/20

Out: 2350.606+/-2614.262 χ^2/NDF:23.5/22

All: 852.439+/-1877.997 χ^2/NDF: 40.5/43

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: 9802.873+/-3.638 χ^2/NDF:79576.3/4

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9903.419+/-3.379 χ^2/NDF:94637.0/4

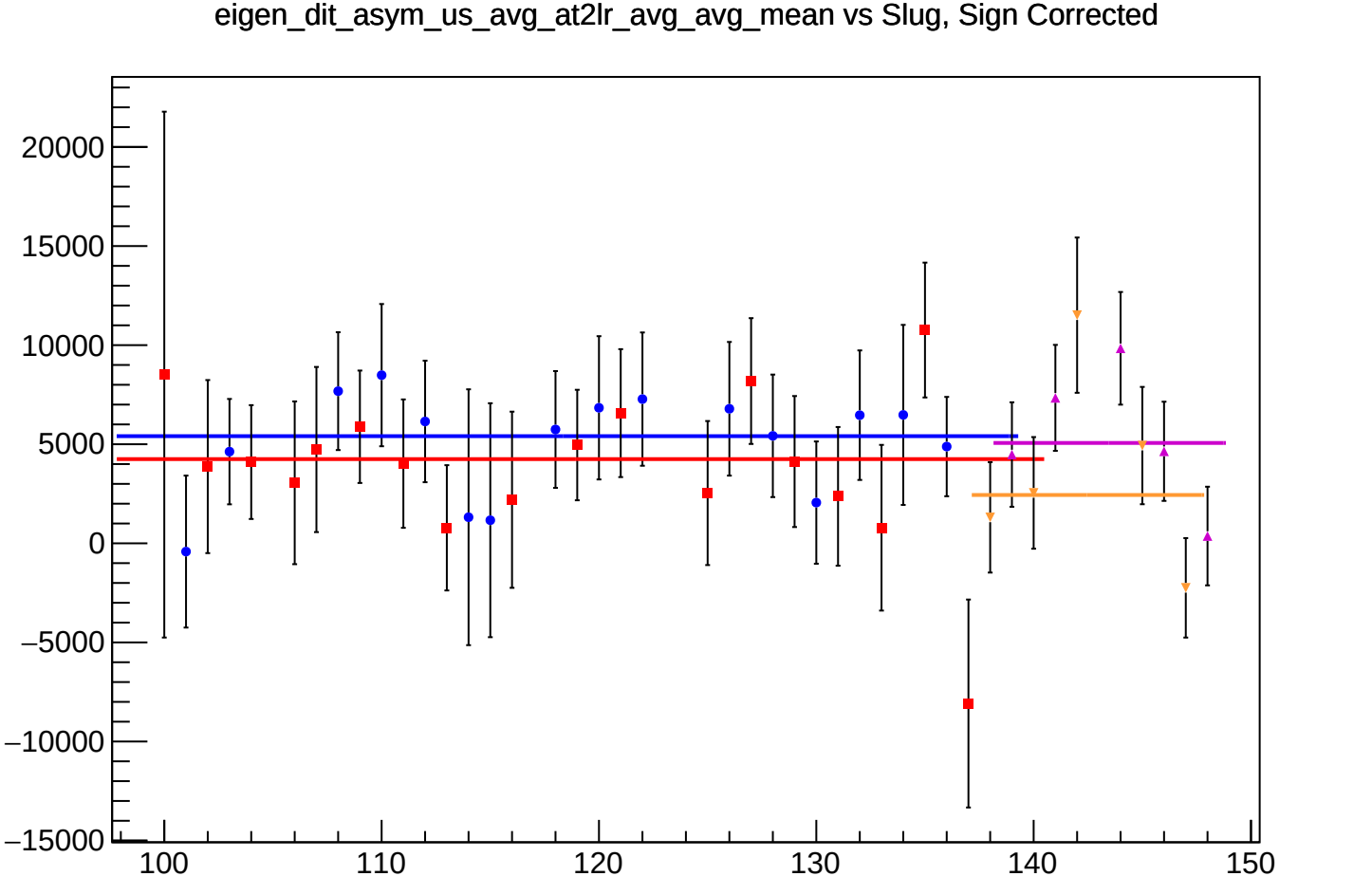
Left: 9856.853+/-2.476 χ^2/NDF: 174623.4/9

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9057.379+/-1.909 χ^2/NDF:544693.7/20

Out: 8500.731+/-1.849 χ^2/NDF:810858.1/22

All: 8770.121+/-1.328 χ^2/NDF: 1399434.7/43



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2439.006+/-1298.439 χ^2/NDF:9.7/4

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5064.790+/-1171.333 χ^2/NDF:7.2/4

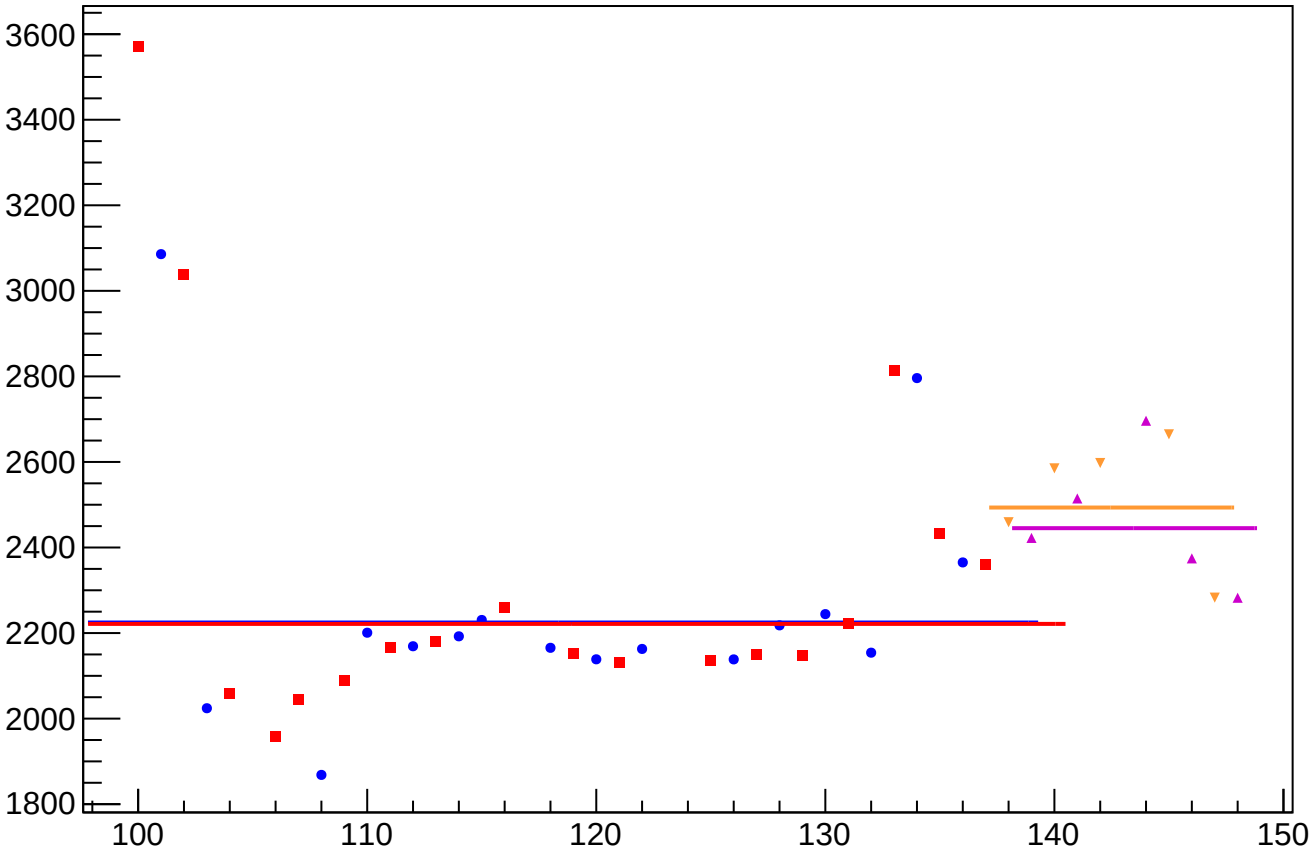
Left: 3886.675+/-869.732 χ^2/NDF: 19.2/9

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5292.510+/-679.216 χ^2/NDF:14.0/20

Out: 3716.213+/-704.887 χ^2/NDF:25.6/22

All: 4533.587+/-489.102 χ^2/NDF: 42.1/43



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2493.452+/-0.918 χ^2/NDF:24606.1/4

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.210+/-0.828 χ^2/NDF:27249.4/4

Left: 2466.855+/-0.615 χ^2/NDF: 53377.7/9

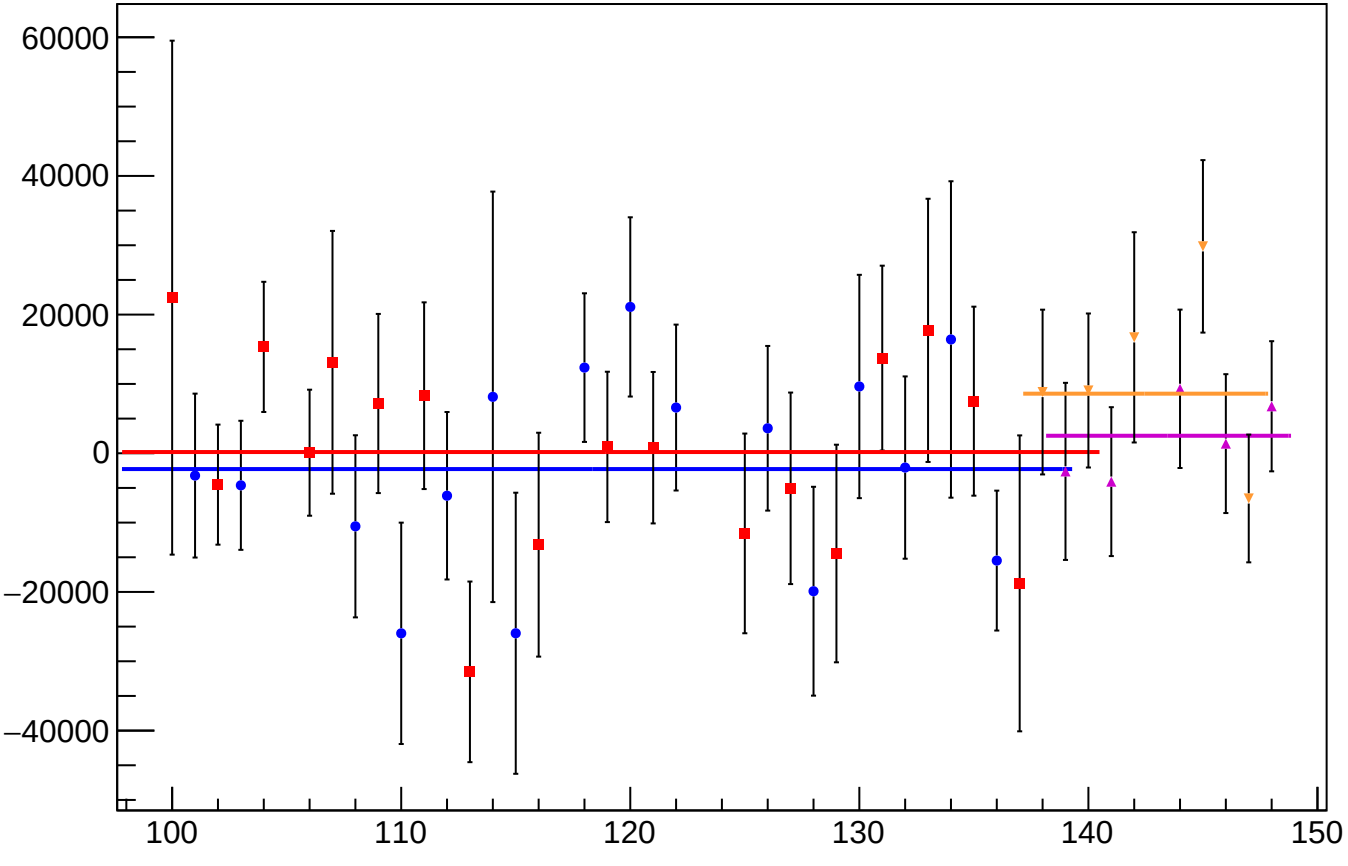
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2298.787+/-0.480 χ^2/NDF:259013.7/20

Out: 2301.524+/-0.498 χ^2/NDF:256485.9/22

All: 2300.106+/-0.346 χ^2/NDF: 515515.2/43

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: 8594.808+/-5144.704 χ^2/NDF:5.9/4

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2525.474+/-4778.307 χ^2/NDF:1.1/4

Left: 5336.342+/-3501.145 χ^2/NDF: 7.8/9

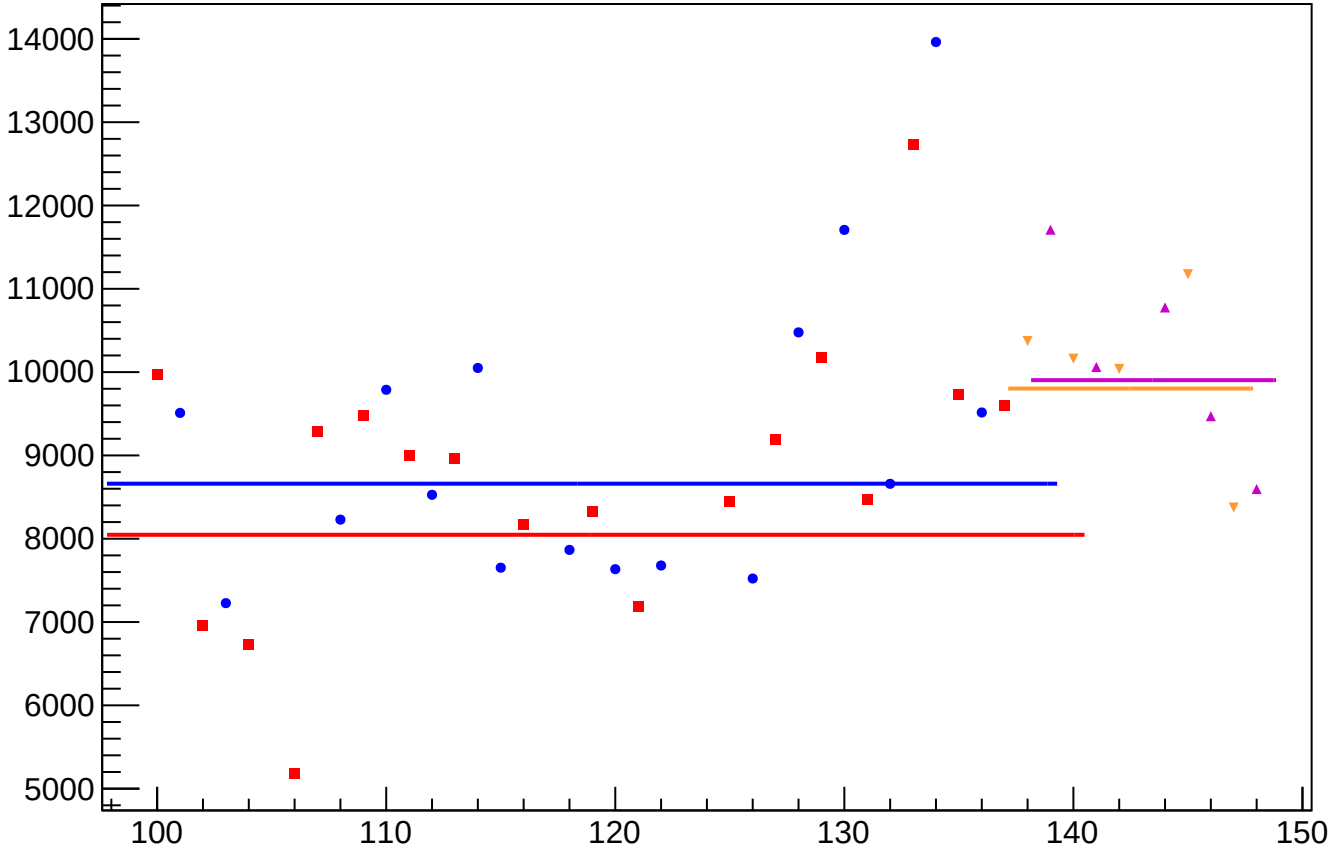
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -745.096+/-2699.567 χ^2/NDF:16.3/20

Out: 2350.599+/-2614.258 χ^2/NDF:23.5/22

All: 852.438+/-1877.995 χ^2/NDF: 40.5/43

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: 9802.888+/-3.638 χ^2/NDF:79577.2/4

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 9903.433+/-3.379 χ^2/NDF:94637.8/4

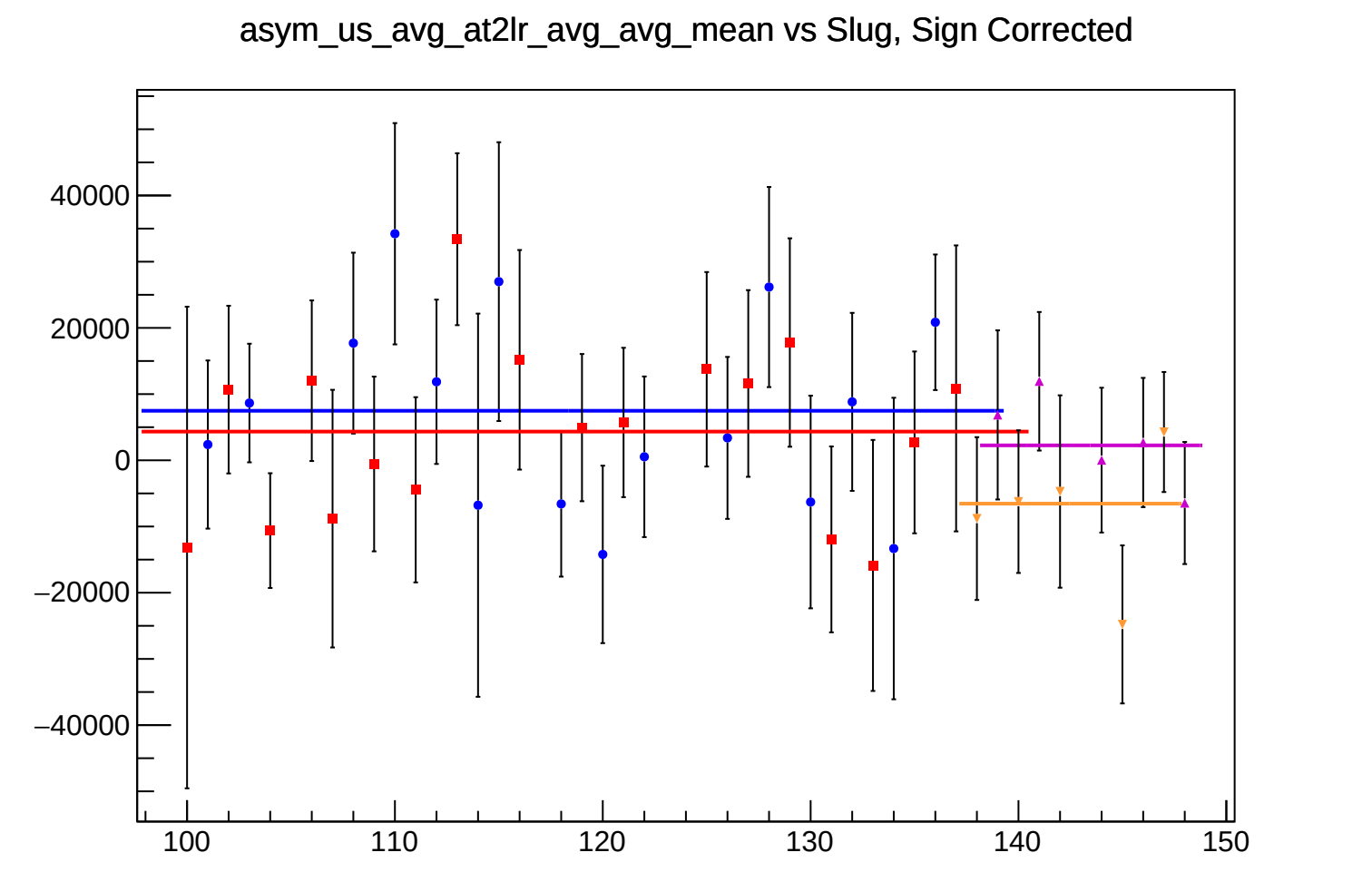
Left: 9856.868+/-2.476 χ^2/NDF: 174625.1/9

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9057.367+/-1.909 χ^2/NDF:544702.0/20

Out: 8500.719+/-1.849 χ^2/NDF:810863.6/22

All: 8770.109+/-1.328 χ^2/NDF: 1399448.5/43



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -6548.453+/-5054.087 χ^2/NDF:3.8/4

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2256.707+/-4668.695 χ^2/NDF:1.9/4

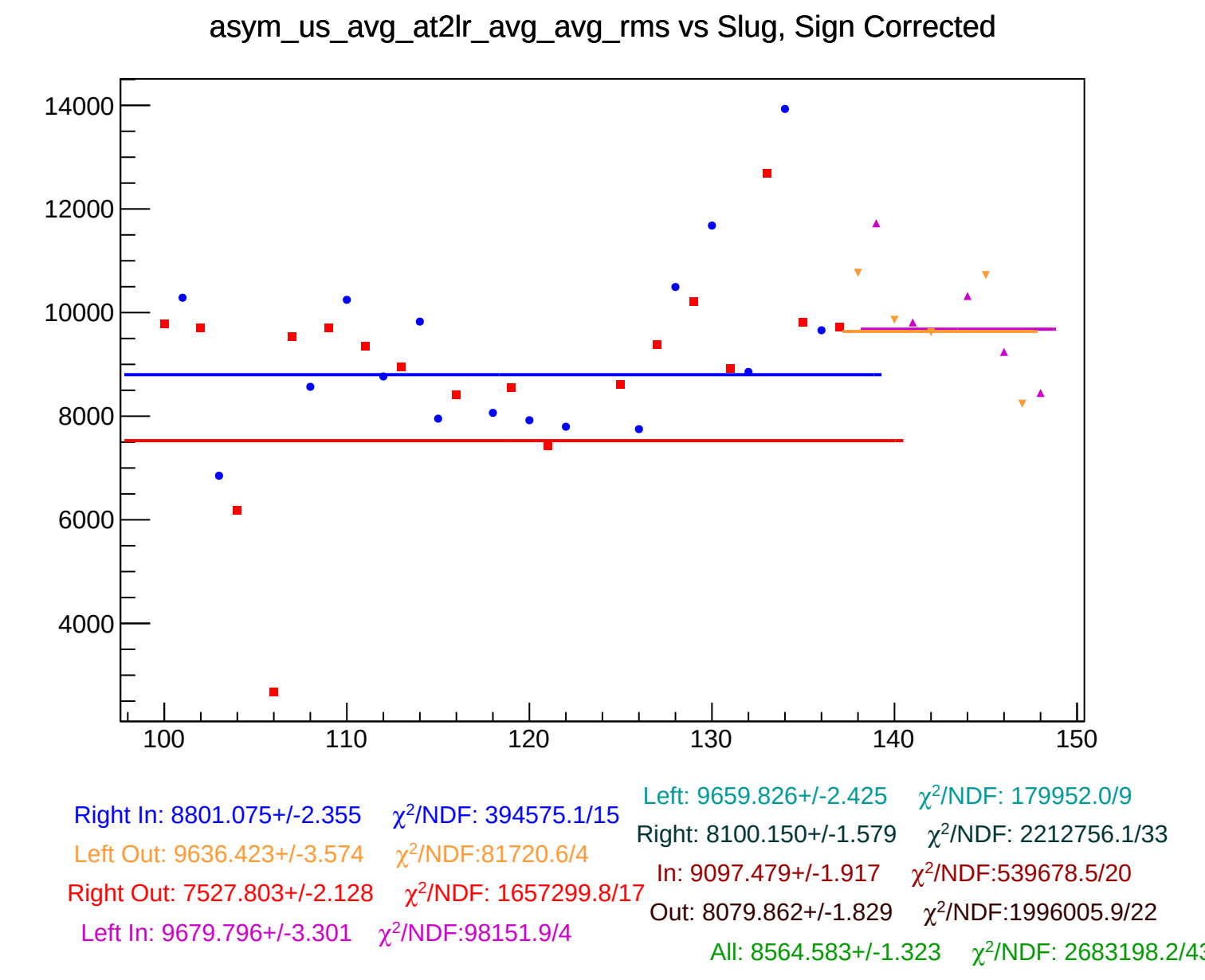
Left: -1797.401+/-3429.429 χ^2/NDF: 7.4/9

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

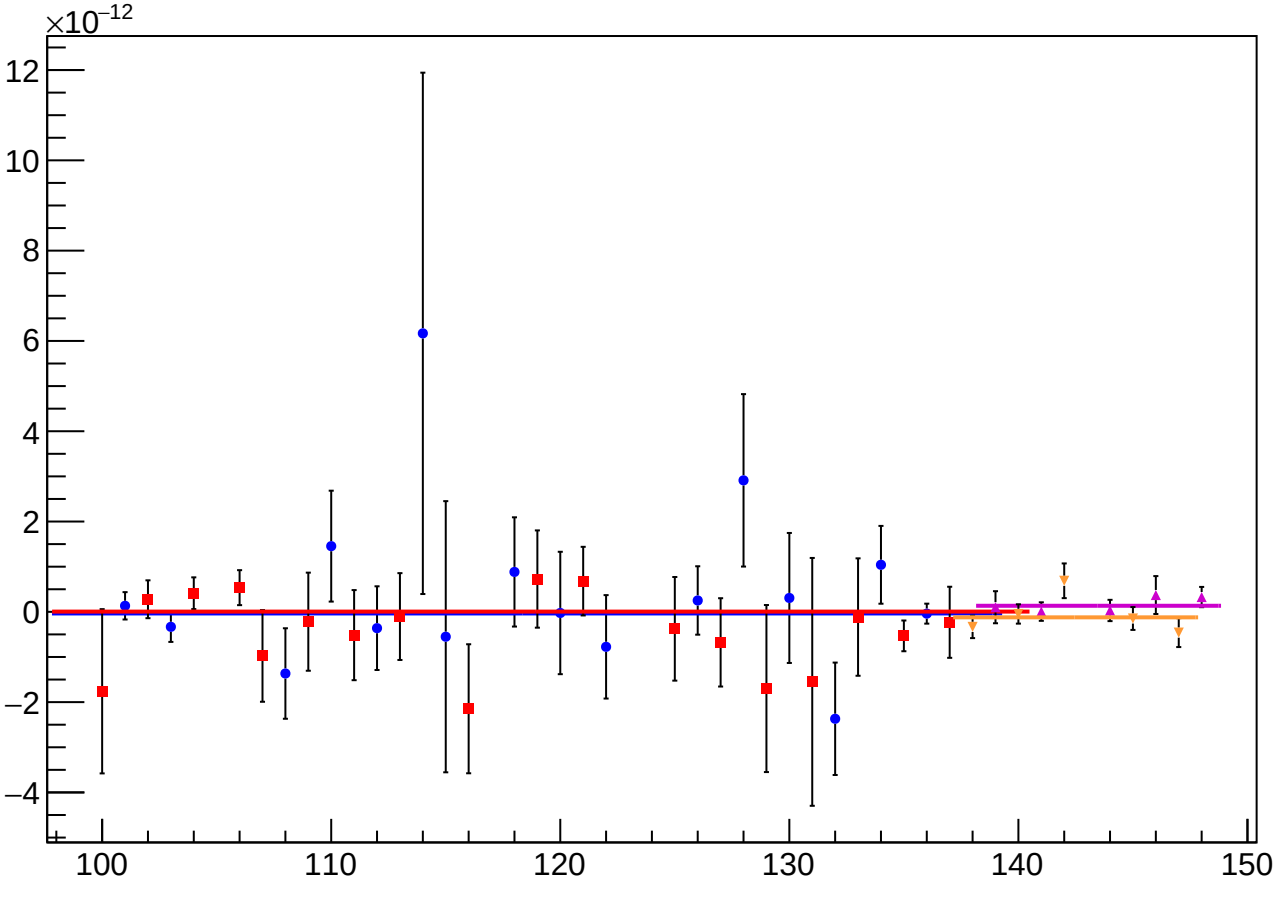
In: 5719.257+/-2711.539 χ^2/NDF:16.8/20

Out: 1163.639+/-2729.202 χ^2/NDF:21.4/22

All: 3456.237+/-1923.562 χ^2/NDF: 39.6/43


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 9636.423+/-3.574 χ²/NDF:81720.6/4
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 9679.796+/-3.301 χ²/NDF:98151.9/4
Left: 9659.826+/-2.425 χ²/NDF: 179952.0/9
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9097.479+/-1.917 χ²/NDF:539678.5/20
Out: 8079.862+/-1.829 χ²/NDF:1996005.9/22
All: 8564.583+/-1.323 χ²/NDF: 2683198.2/43

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

Left: 0.000+/-0.000 χ^2/NDF: 10.5/9

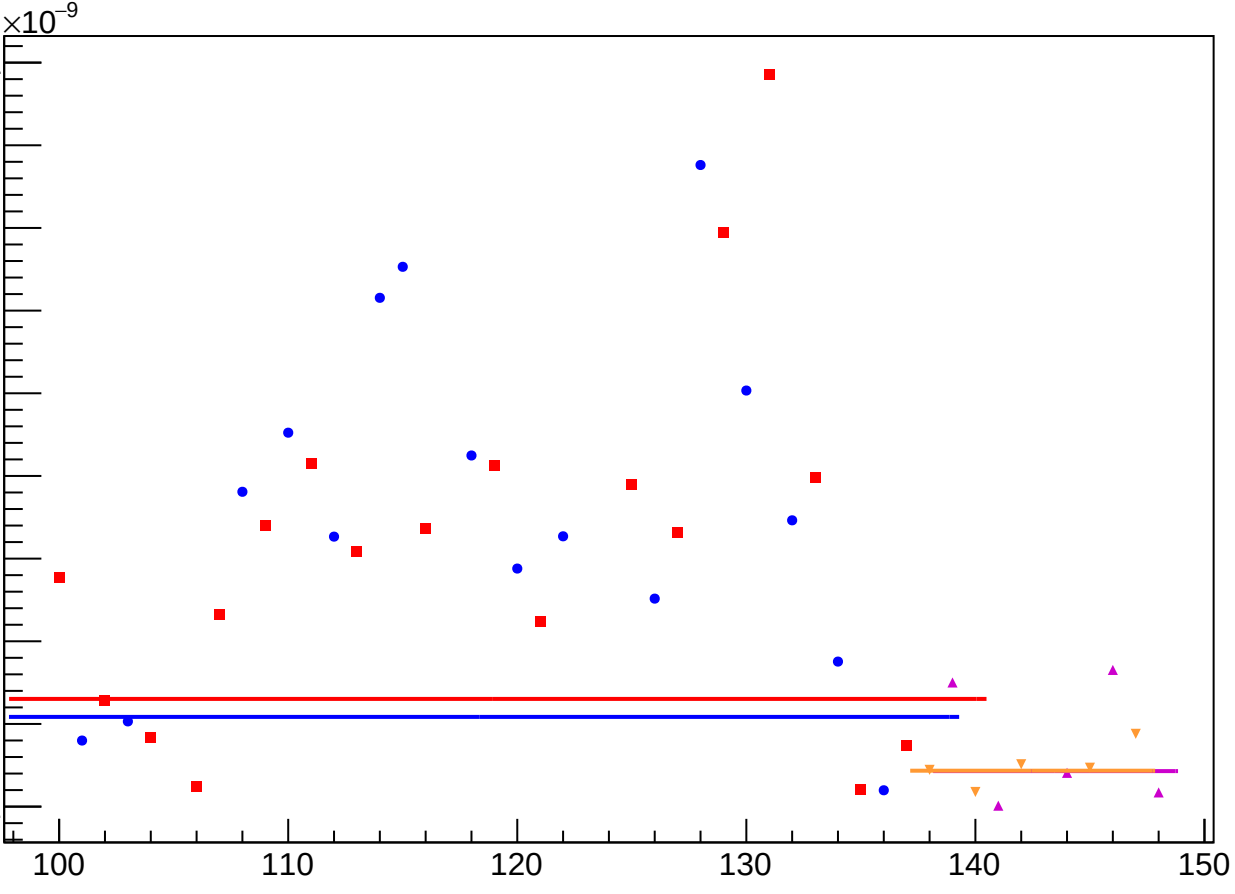
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:16.8/20

Out: -0.000+/-0.000 χ^2/NDF:20.5/22

All: -0.000+/-0.000 χ^2/NDF: 38.6/43

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:69024.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:462159.0/4

Left: 0.000+/-0.000 χ^2/NDF: 531201.1/9

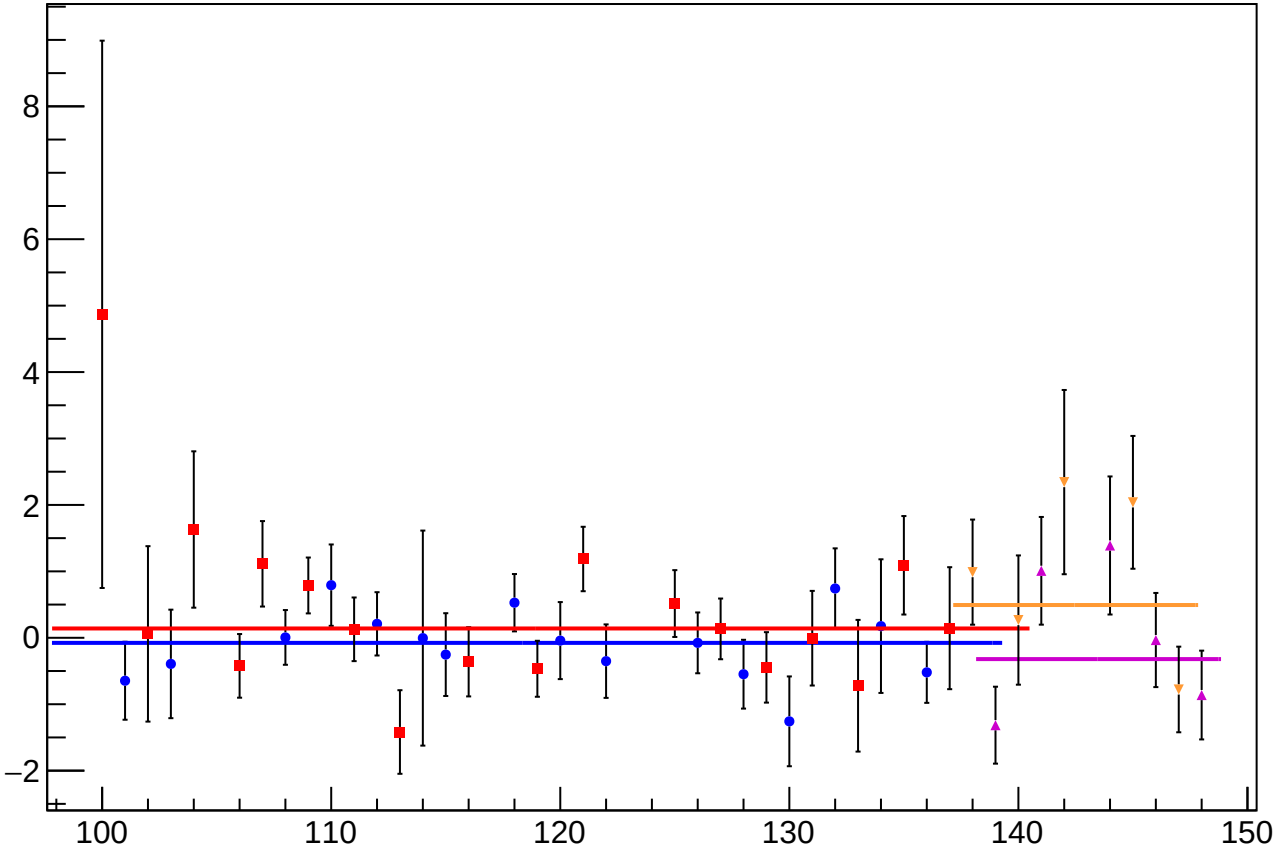
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2352124.4/20

Out: 0.000+/-0.000 χ^2/NDF:2019948.3/22

All: 0.000+/-0.000 χ^2/NDF: 4376765.7/43

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.321+/-0.322 χ^2/NDF:9.2/4

Left: 0.009+/-0.248 χ^2/NDF: 20.3/9

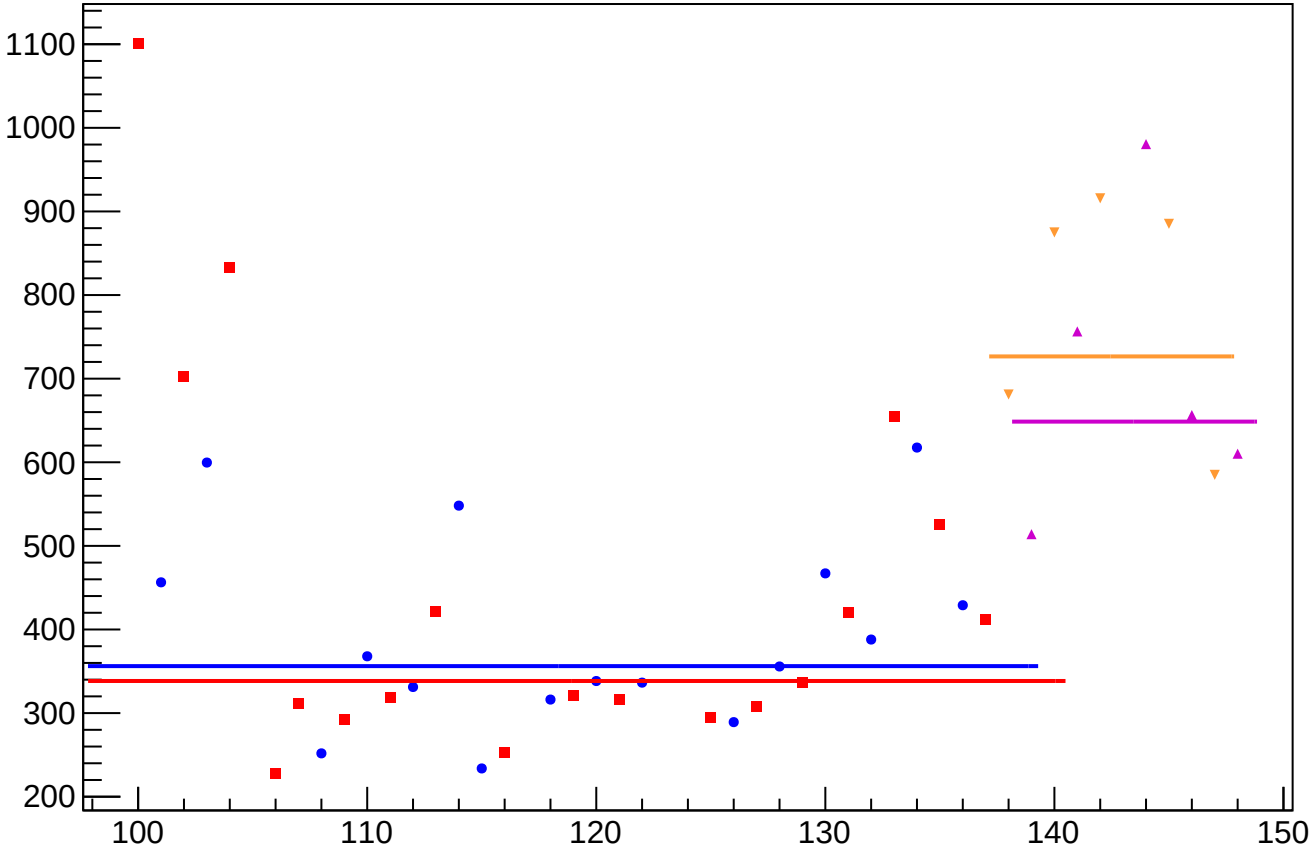
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.030+/-0.091 χ^2/NDF: 61.0/43

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 726.595+/-0.276 χ^2/NDF:237234.1/4

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 648.617+/-0.228 χ^2/NDF:354404.9/4

Left: 680.216+/-0.175 χ^2/NDF: 639247.5/9

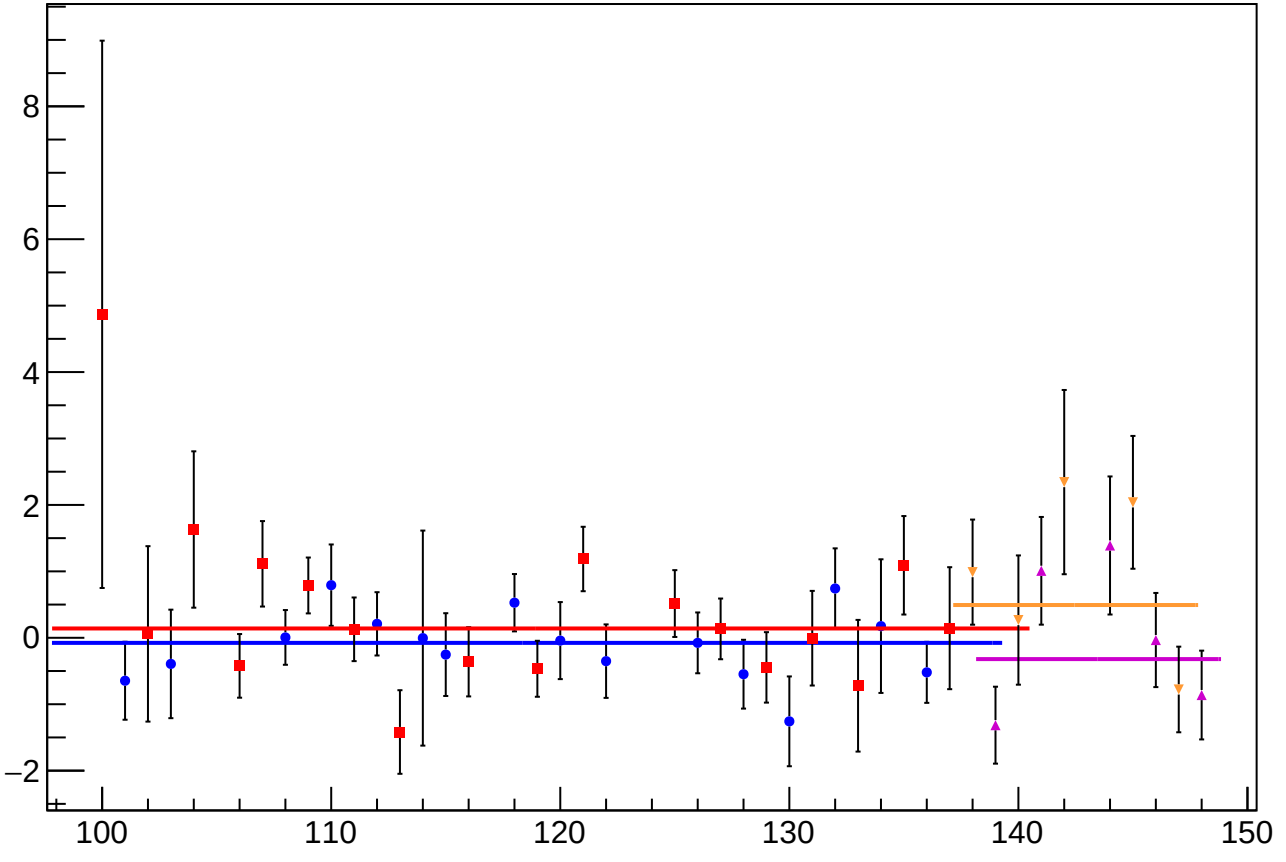
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 402.689+/-0.091 χ^2/NDF:2529005.8/20

Out: 381.632+/-0.092 χ^2/NDF:3203288.4/22

All: 392.305+/-0.065 χ^2/NDF: 5758863.3/43

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.321+/-0.322 χ^2/NDF:9.2/4

Left: 0.009+/-0.248 χ^2/NDF: 20.3/9

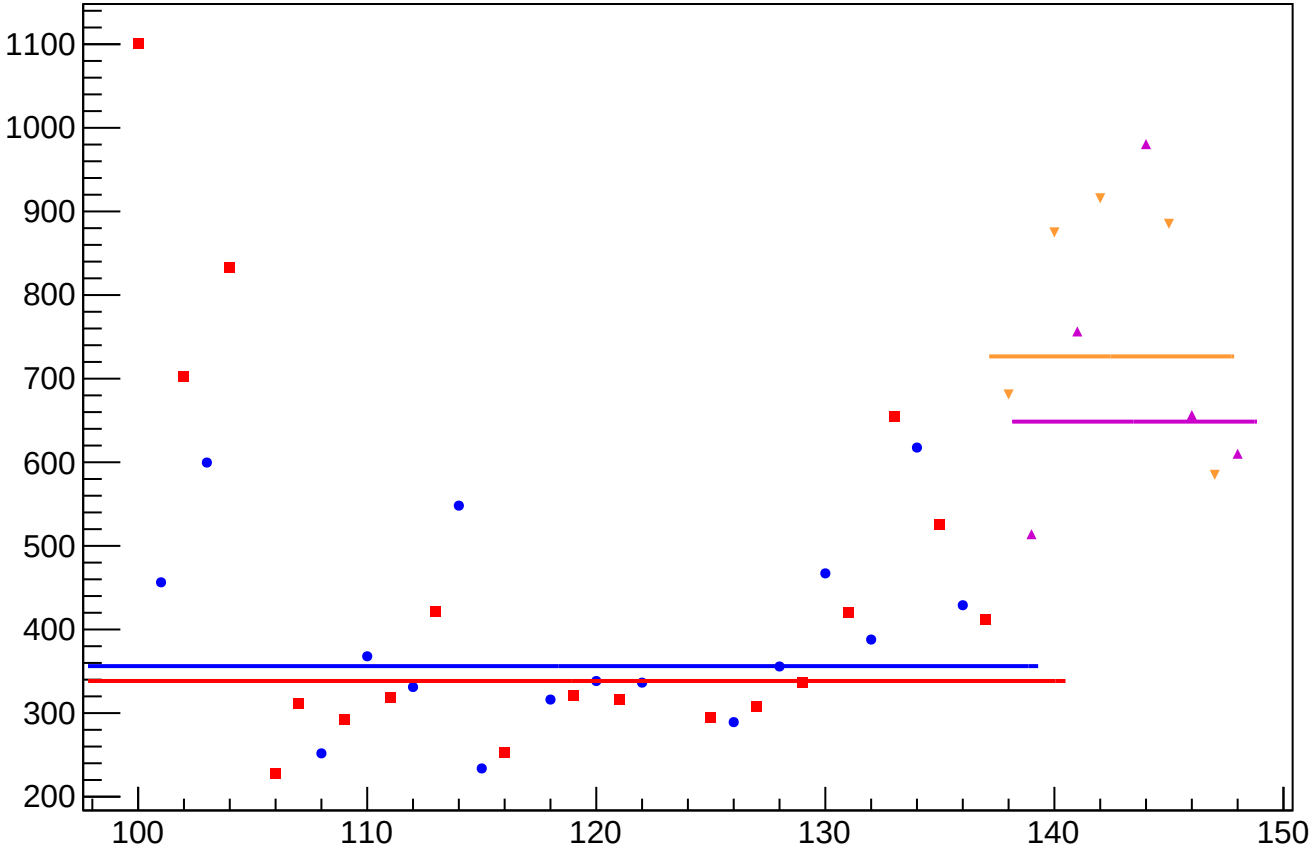
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.030+/-0.091 χ^2/NDF: 61.0/43

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: 726.595+/-0.276 χ^2/NDF:237234.1/4

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 648.617+/-0.228 χ^2/NDF:354404.9/4

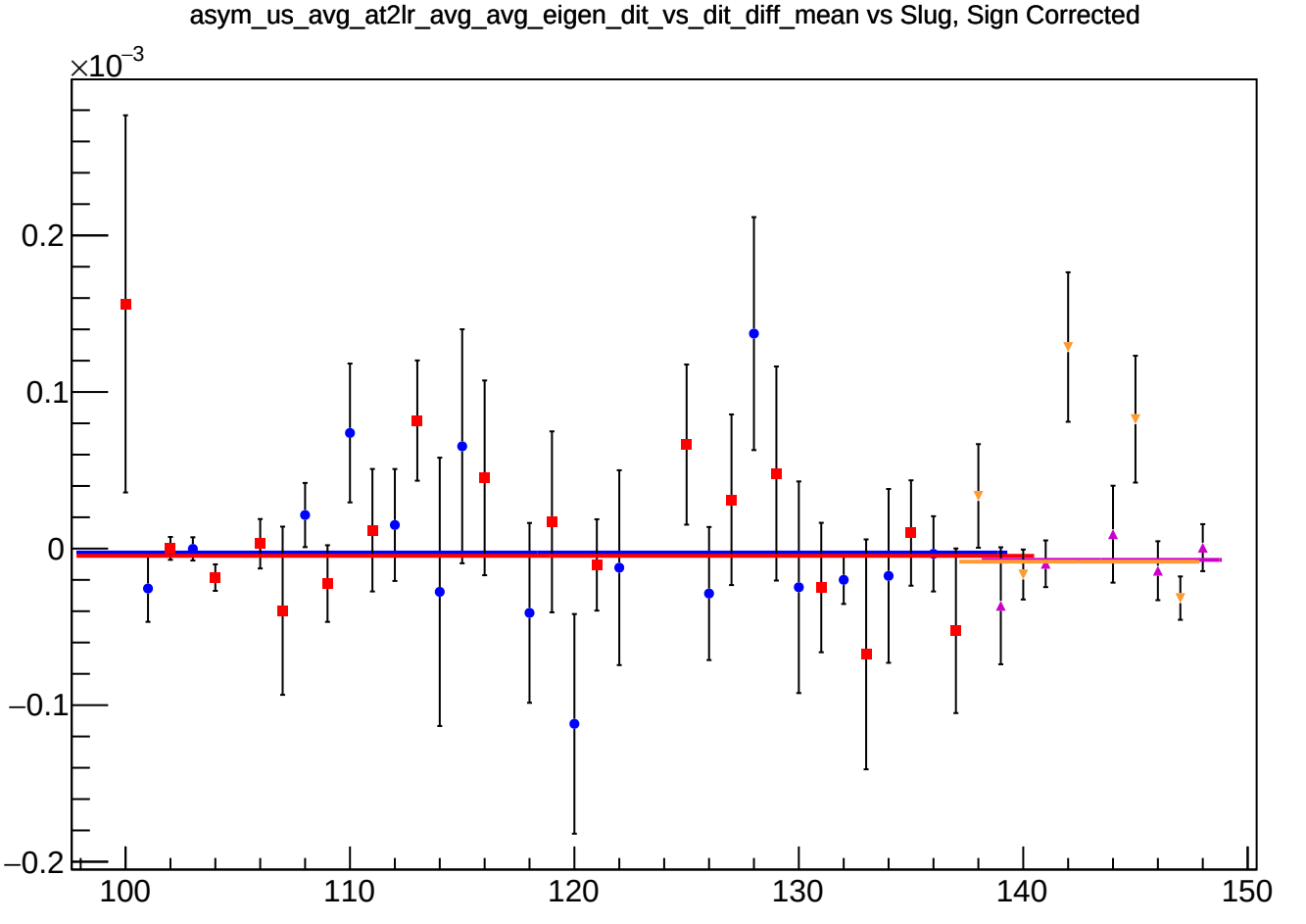
Left: 680.216+/-0.175 χ^2/NDF: 639247.5/9

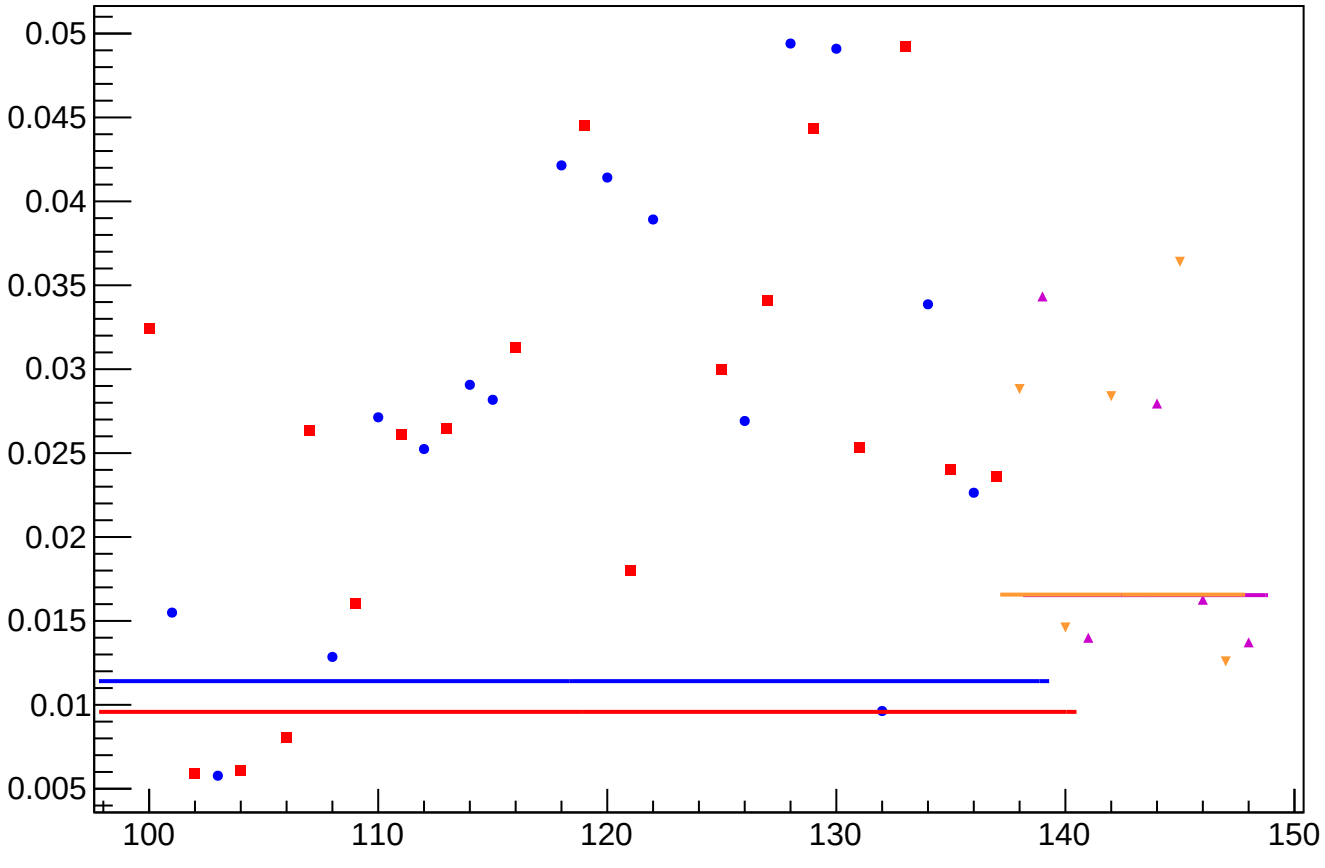
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 402.689+/-0.091 χ^2/NDF:2529005.8/20

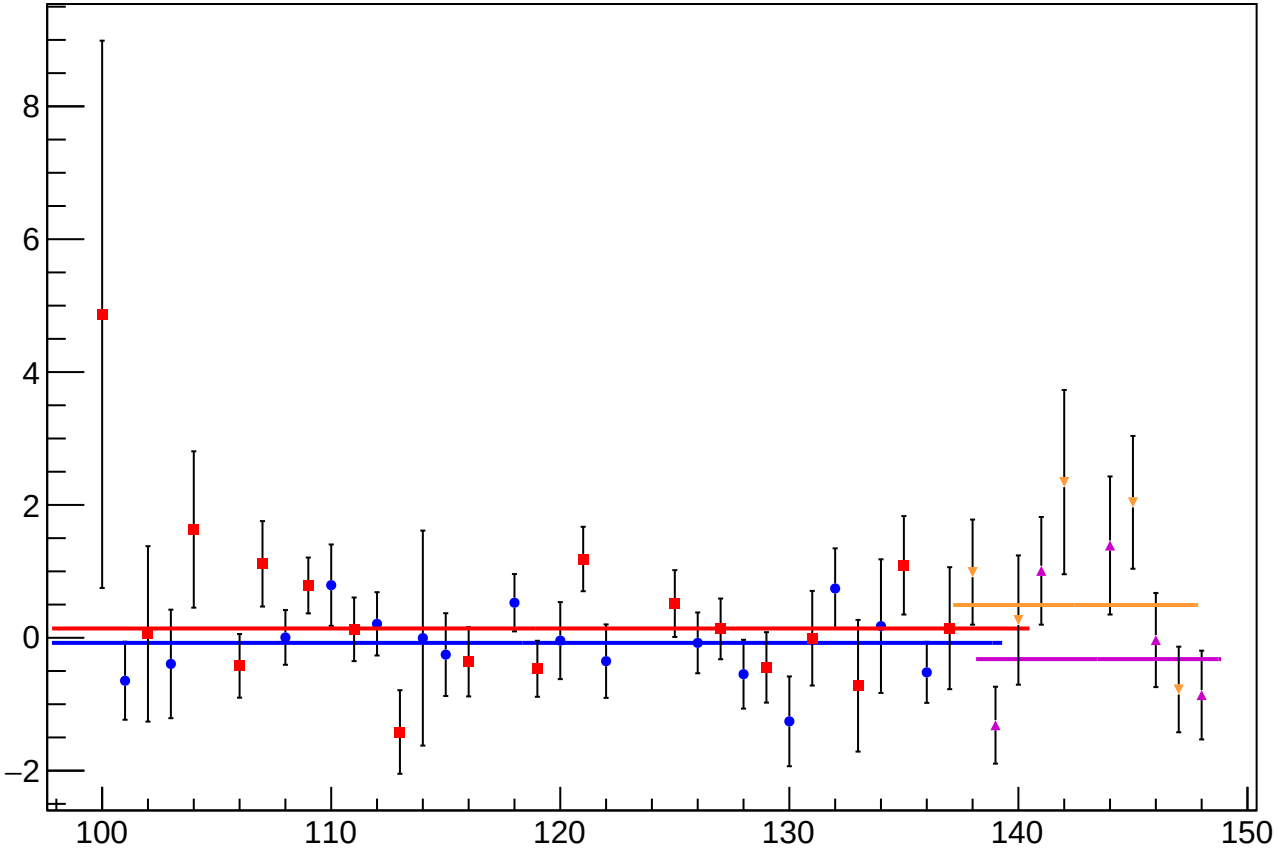
Out: 381.632+/-0.092 χ^2/NDF:3203288.4/22

All: 392.305+/-0.065 χ^2/NDF: 5758863.3/43


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: -0.000+/-0.000 χ²/NDF:1.3/4
Left: -0.000+/-0.000 χ²/NDF: 19.3/9
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: -0.000+/-0.000 χ²/NDF:16.6/20
Out: -0.000+/-0.000 χ²/NDF:35.2/22
All: -0.000+/-0.000 χ²/NDF: 51.8/43


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.017+/-0.000 χ²/NDF:1071763.5/4
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.017+/-0.000 χ²/NDF:854467.2/4
Left: 0.017+/-0.000 χ²/NDF: 1926243.2/9
Right: 0.010+/-0.000 χ²/NDF: 11414181.9/33
In: 0.013+/-0.000 χ²/NDF:6855714.7/20
Out: 0.011+/-0.000 χ²/NDF:7728377.2/22
All: 0.012+/-0.000 χ²/NDF: 14776710.2/43

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.321+/-0.322 χ^2/NDF:9.2/4

Left: 0.009+/-0.248 χ^2/NDF: 20.3/9

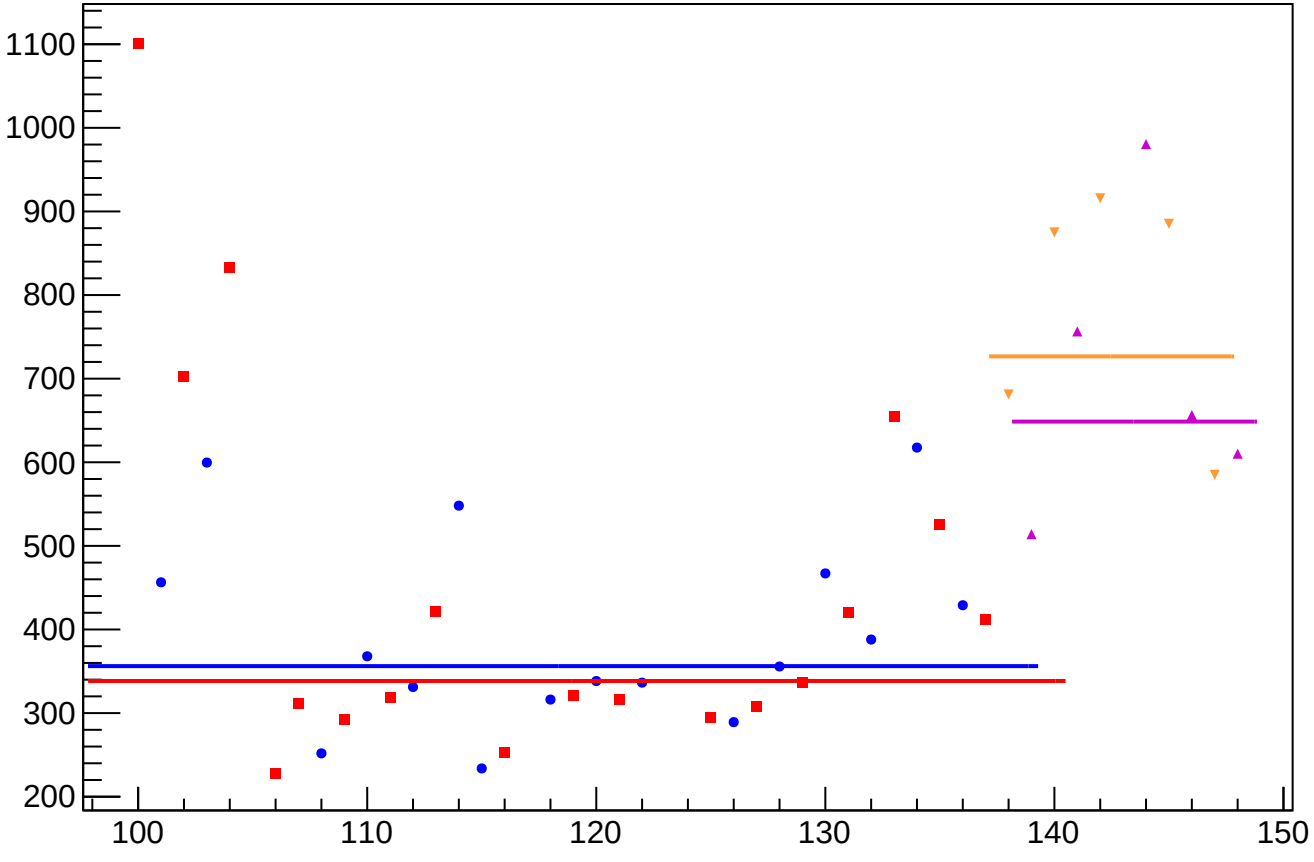
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.030+/-0.091 χ^2/NDF: 61.0/43

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: 726.603+/-0.276 χ^2/NDF:237238.9/4

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 648.627+/-0.228 χ^2/NDF:354392.8/4

Left: 680.225+/-0.175 χ^2/NDF: 639236.3/9

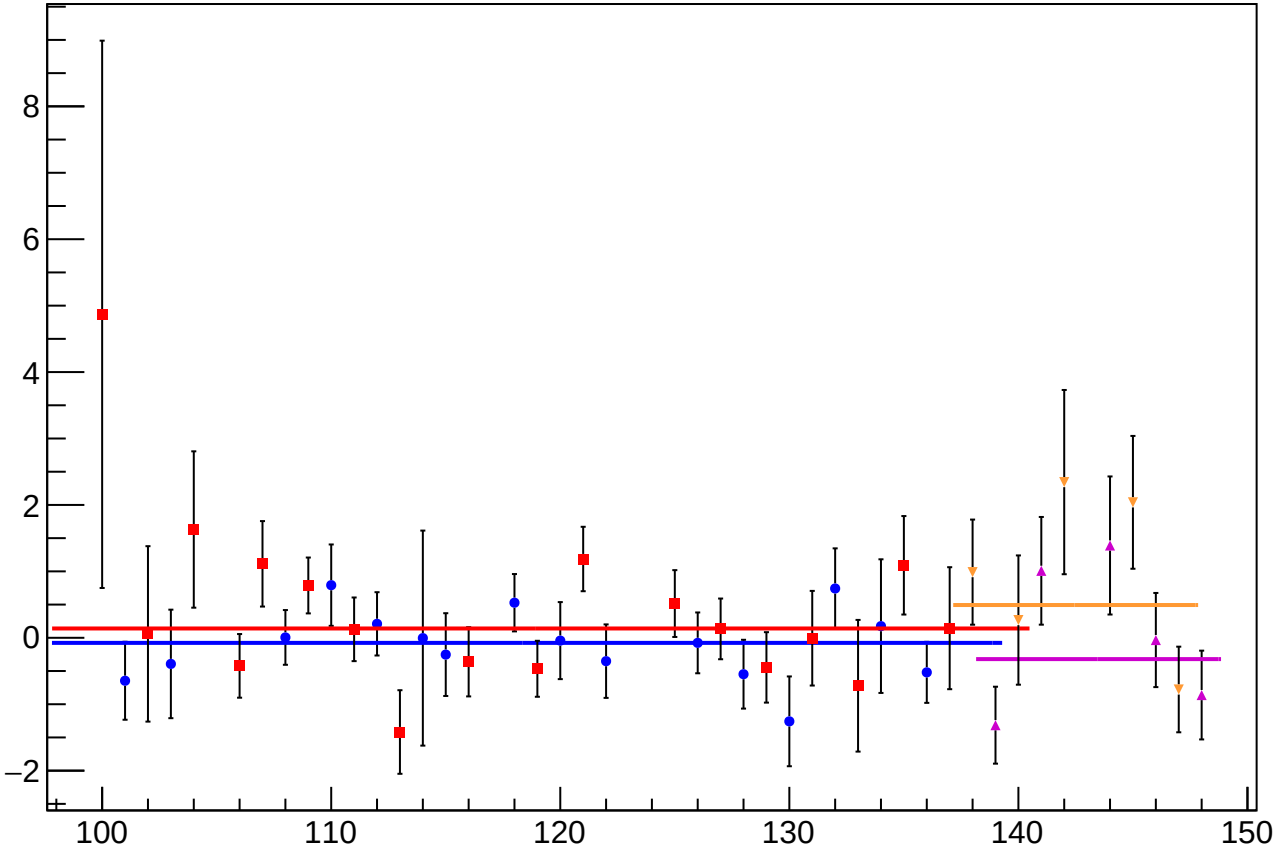
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 402.688+/-0.091 χ^2/NDF:2529035.6/20

Out: 381.630+/-0.092 χ^2/NDF:3203331.1/22

All: 392.303+/-0.065 χ^2/NDF: 5758938.9/43

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.321+/-0.322 χ^2/NDF:9.2/4

Left: 0.009+/-0.248 χ^2/NDF: 20.3/9

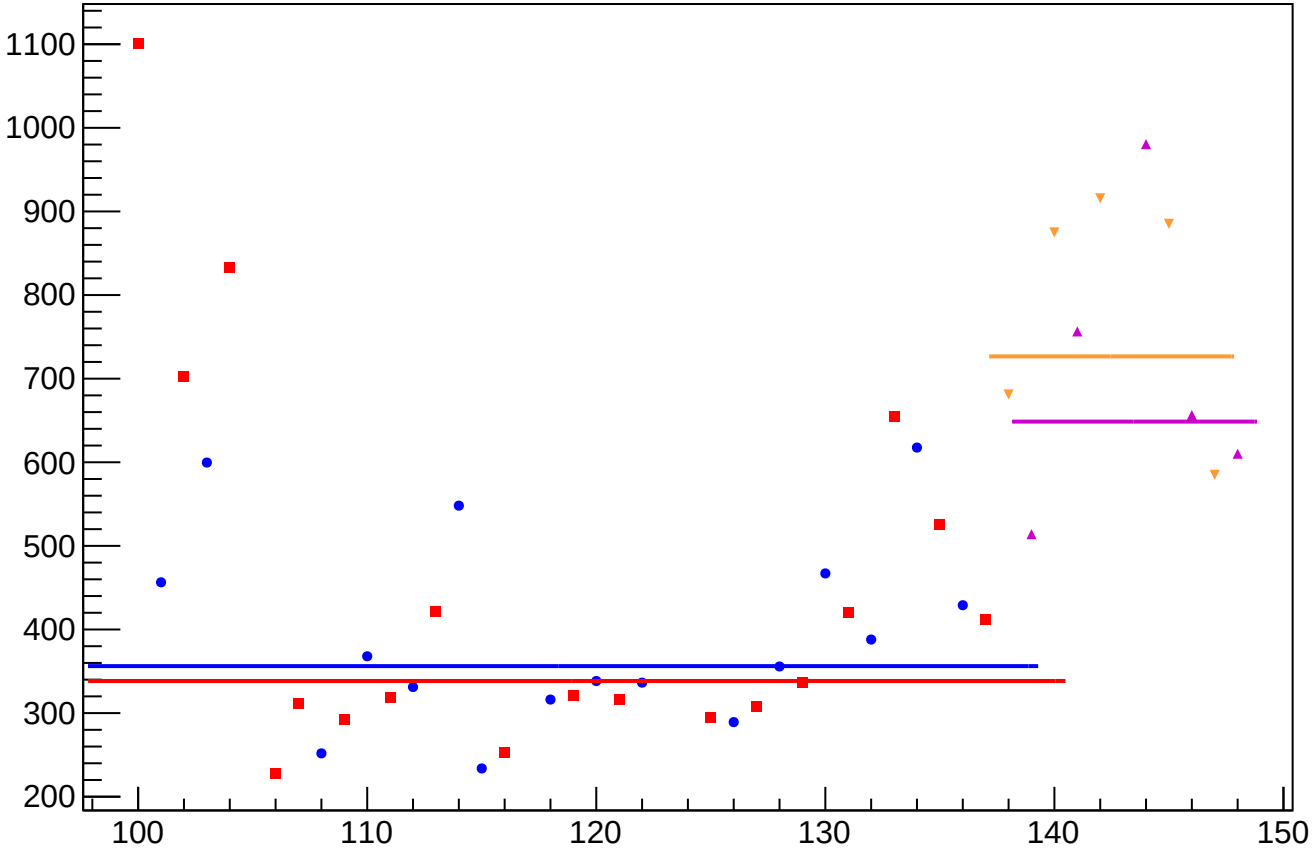
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.030+/-0.091 χ^2/NDF: 61.0/43

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: 726.603+/-0.276 χ^2/NDF:237238.9/4

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 648.627+/-0.228 χ^2/NDF:354392.8/4

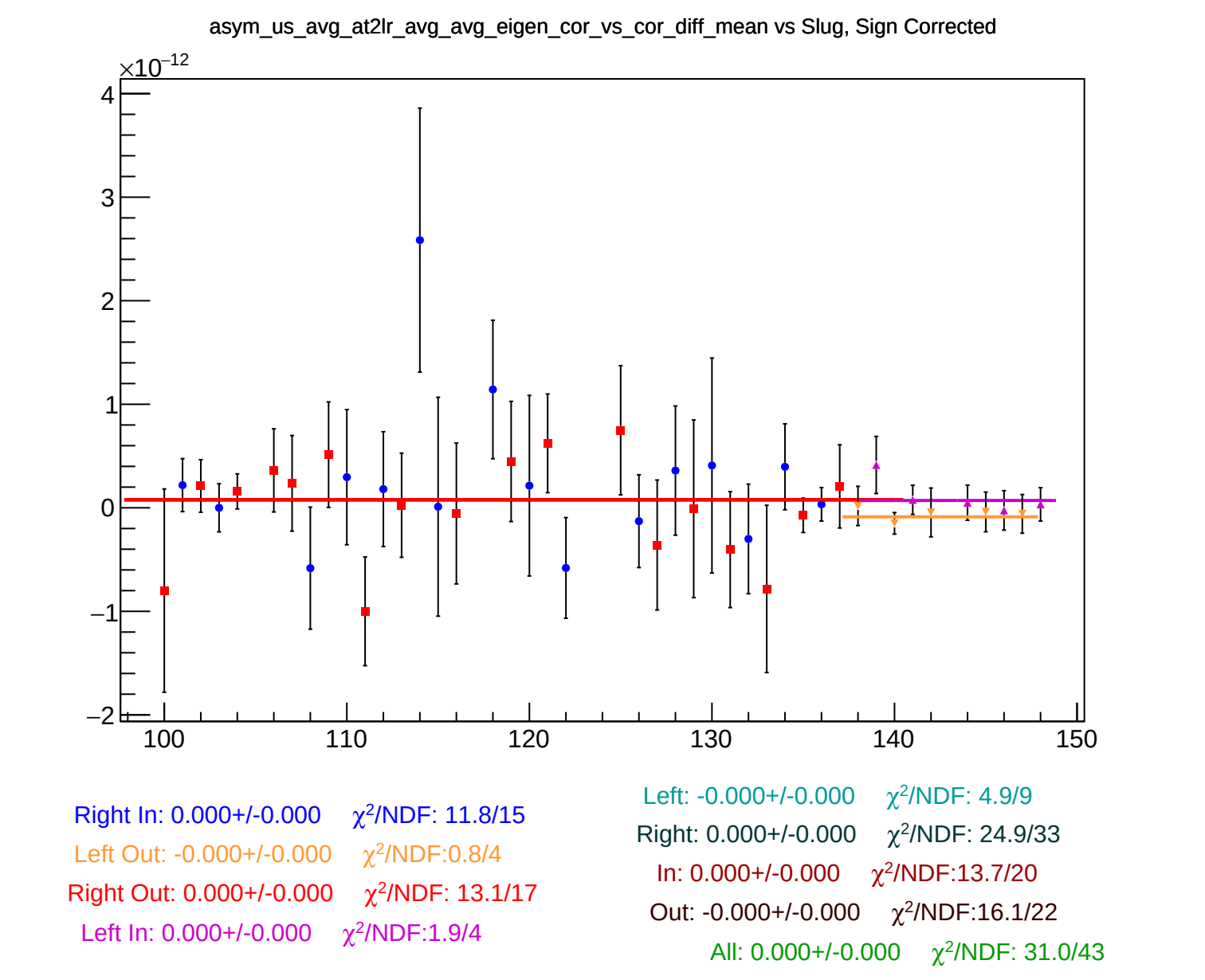
Left: 680.225+/-0.175 χ^2/NDF: 639236.3/9

Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

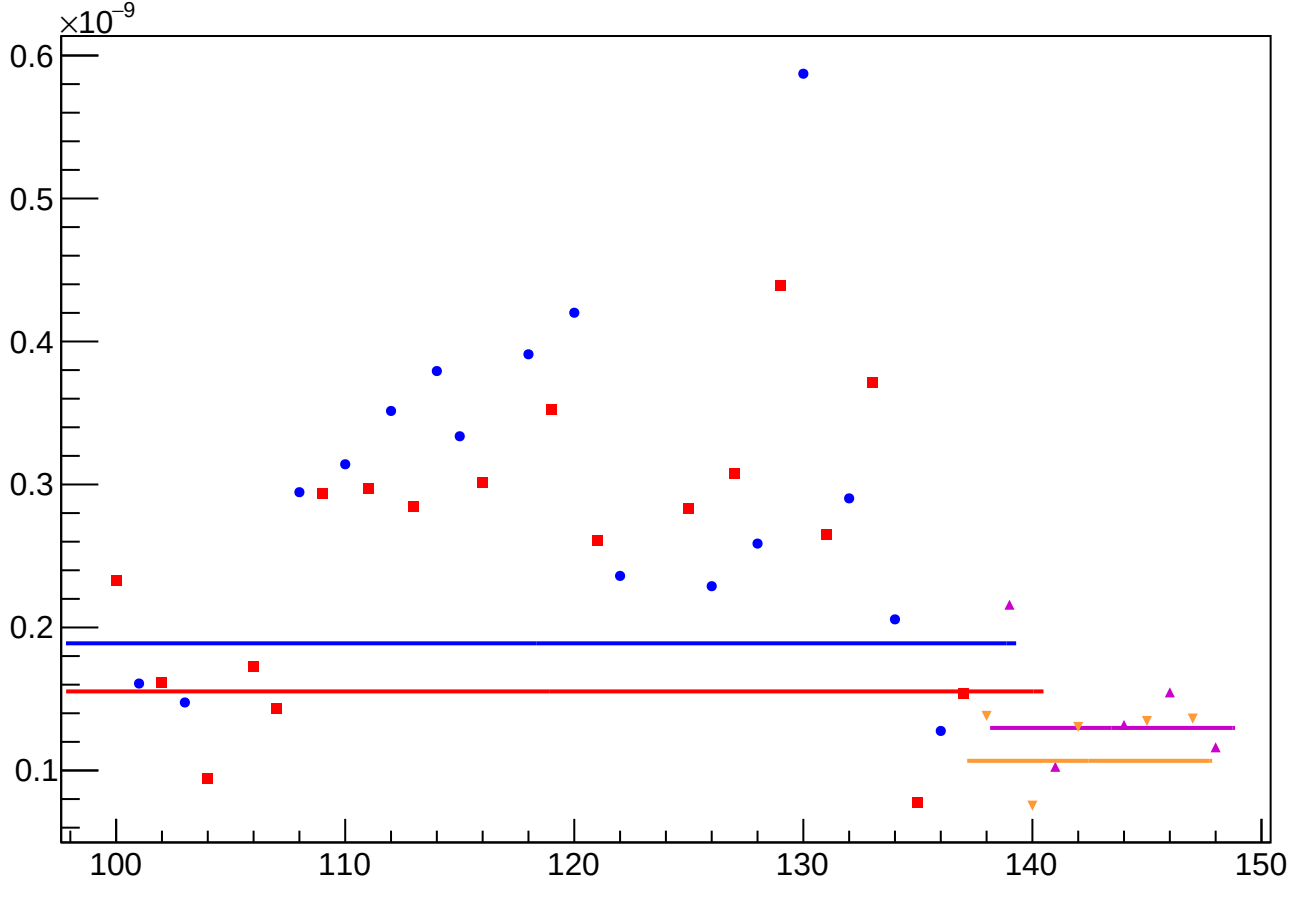
In: 402.688+/-0.091 χ^2/NDF:2529035.6/20

Out: 381.630+/-0.092 χ^2/NDF:3203331.1/22

All: 392.303+/-0.065 χ^2/NDF: 5758938.9/43


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:0.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:1.9/4
Left: -0.000+/-0.000 χ²/NDF: 4.9/9
Right: 0.000+/-0.000 χ²/NDF: 24.9/33
In: 0.000+/-0.000 χ²/NDF:13.7/20
Out: -0.000+/-0.000 χ²/NDF:16.1/22
All: 0.000+/-0.000 χ²/NDF: 31.0/43

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:349865.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:318056.7/4

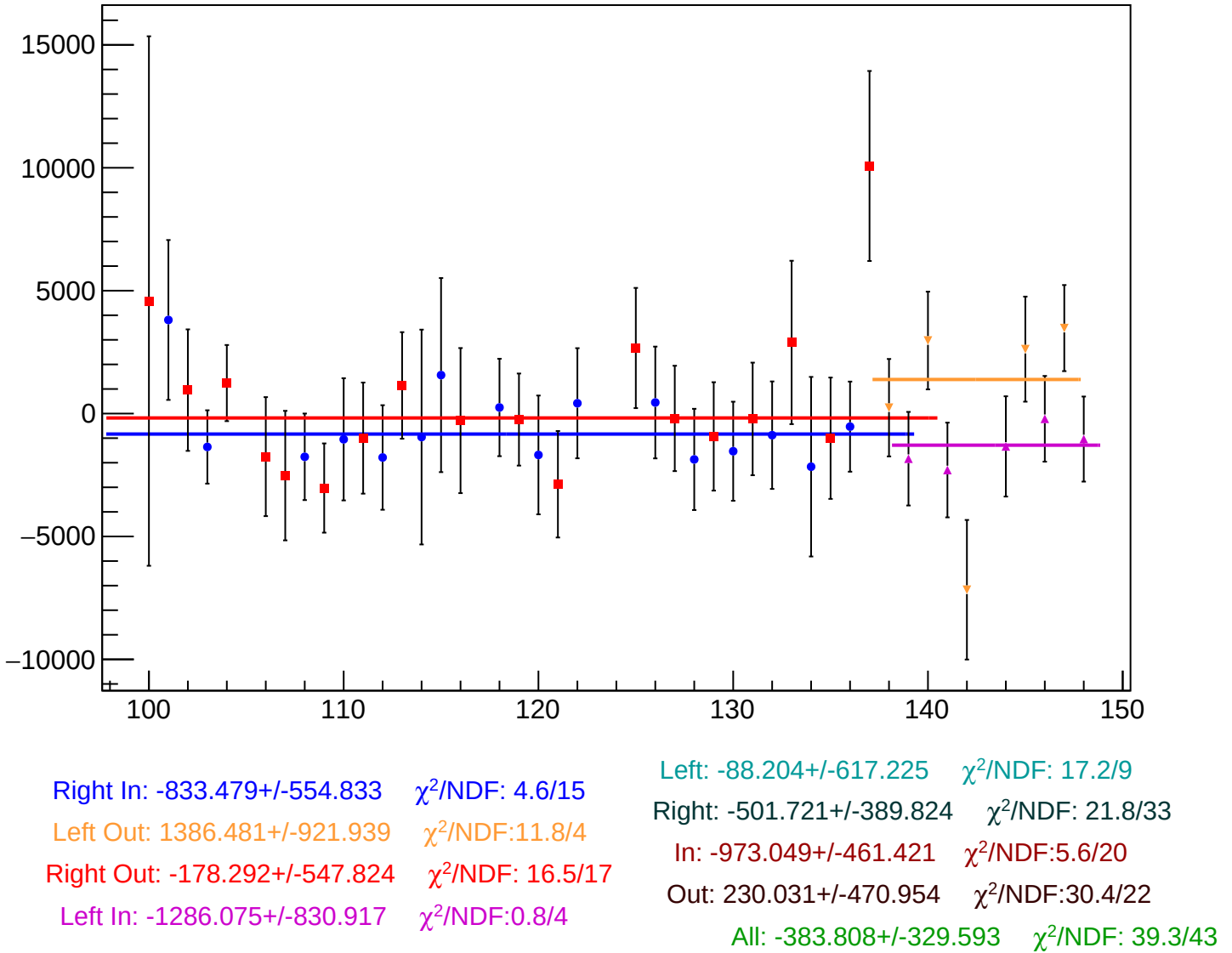
Left: 0.000+/-0.000 χ^2/NDF: 762221.0/9

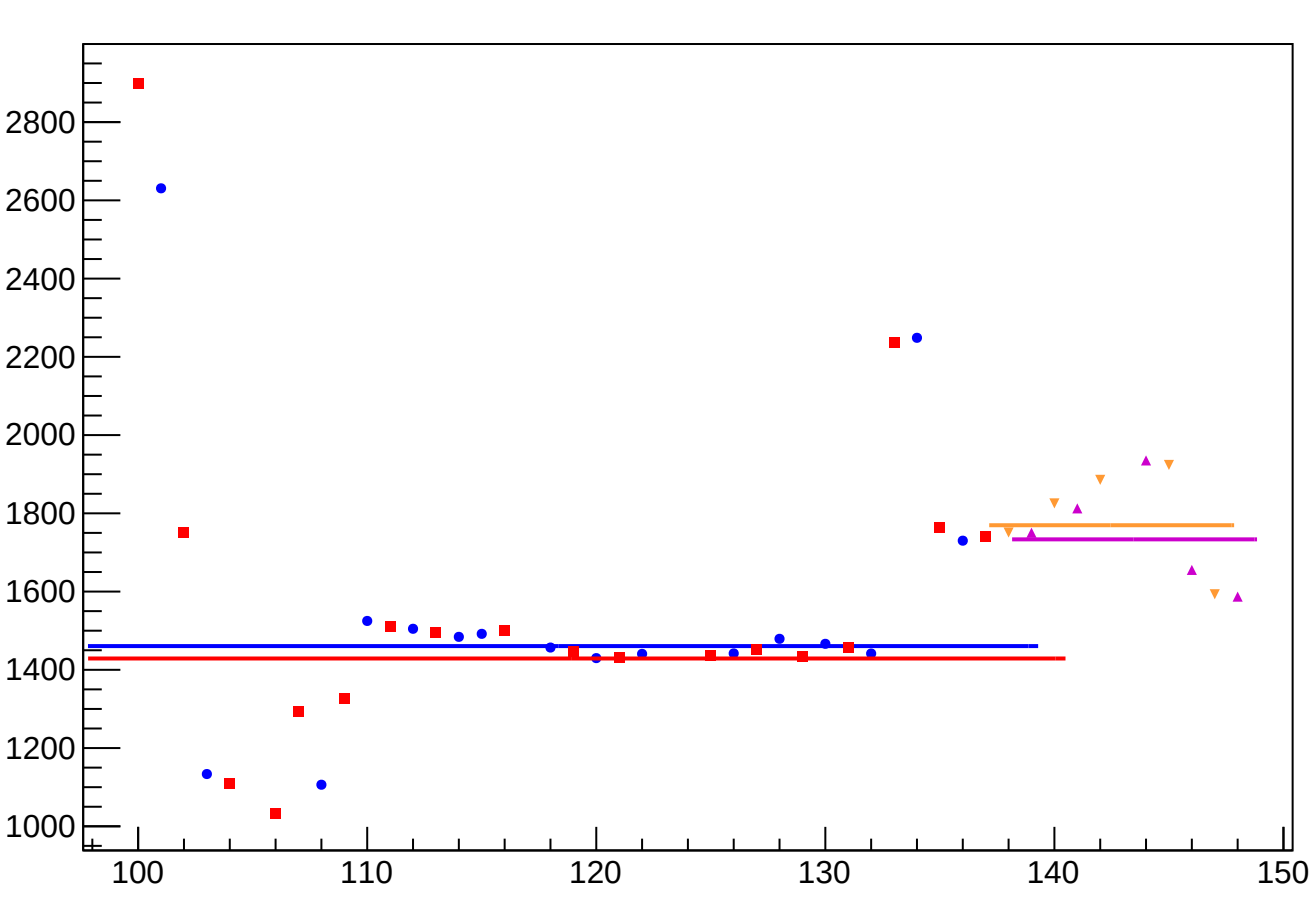
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2293954.3/20

Out: 0.000+/-0.000 χ^2/NDF:2929056.7/22

All: 0.000+/-0.000 χ^2/NDF: 5430739.5/43


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1386.481+/-921.939 χ²/NDF:11.8/4
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1286.075+/-830.917 χ²/NDF:0.8/4
Left: -88.204+/-617.225 χ²/NDF: 17.2/9
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -973.049+/-461.421 χ²/NDF:5.6/20
Out: 230.031+/-470.954 χ²/NDF:30.4/22
All: -383.808+/-329.593 χ²/NDF: 39.3/43



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

Left: 1749.649+/-0.436 χ^2/NDF: 78919.1/9

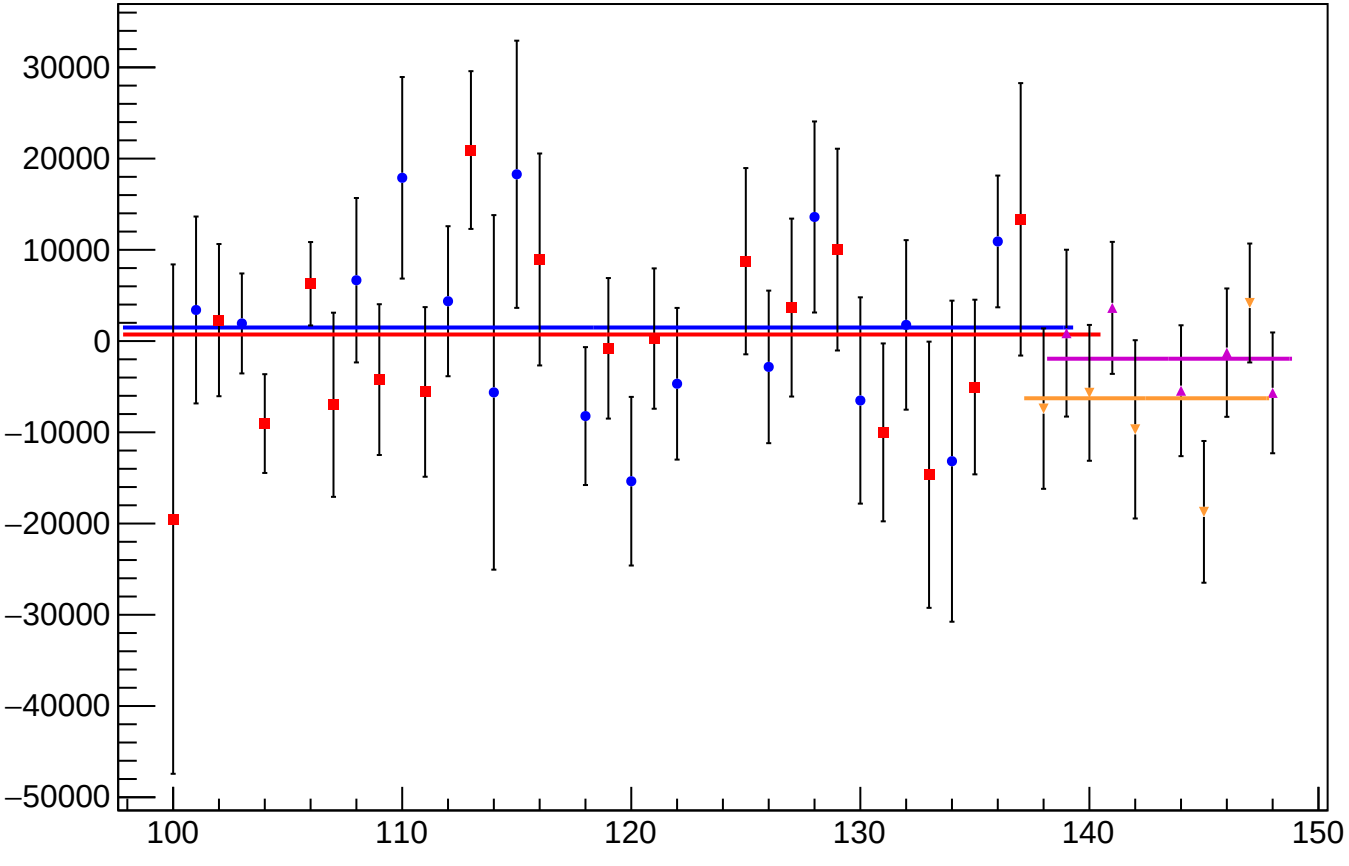
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1544.779+/-0.326 χ^2/NDF:766265.3/20

Out: 1516.861+/-0.331 χ^2/NDF:649642.2/22

All: 1531.029+/-0.232 χ^2/NDF: 1419513.5/43

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: -6269.901+/-3501.334 χ^2/NDF:5.3/4

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1935.825+/-3269.862 χ^2/NDF:1.3/4

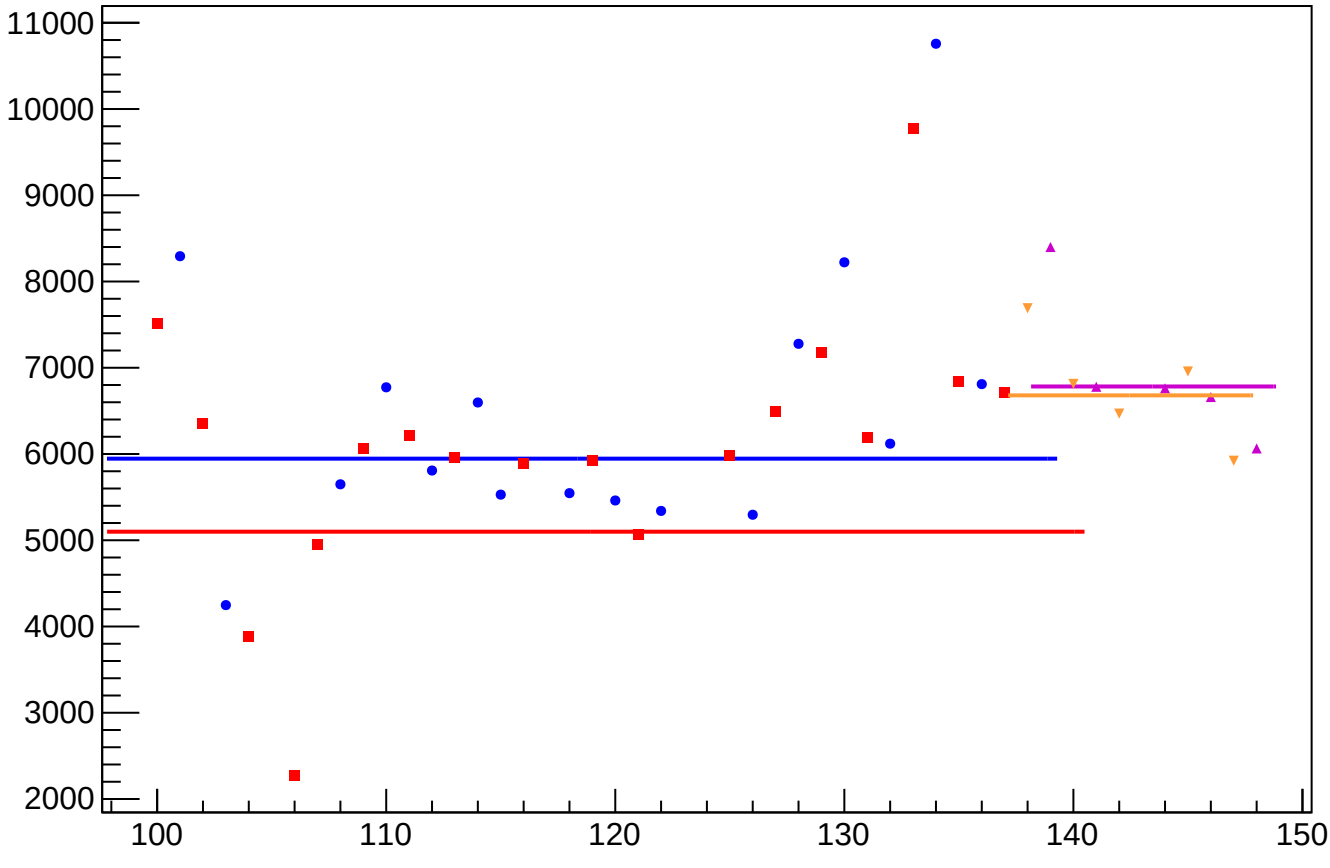
Left: -3954.877+/-2389.786 χ^2/NDF: 7.4/9

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 375.468+/-1863.614 χ^2/NDF:16.2/20

Out: -1014.465+/-1744.200 χ^2/NDF:25.8/22

All: -365.453+/-1273.460 χ^2/NDF: 42.3/43



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6679.874+/-2.476 χ^2/NDF:57569.5/4

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6782.990+/-2.312 χ^2/NDF:86722.1/4

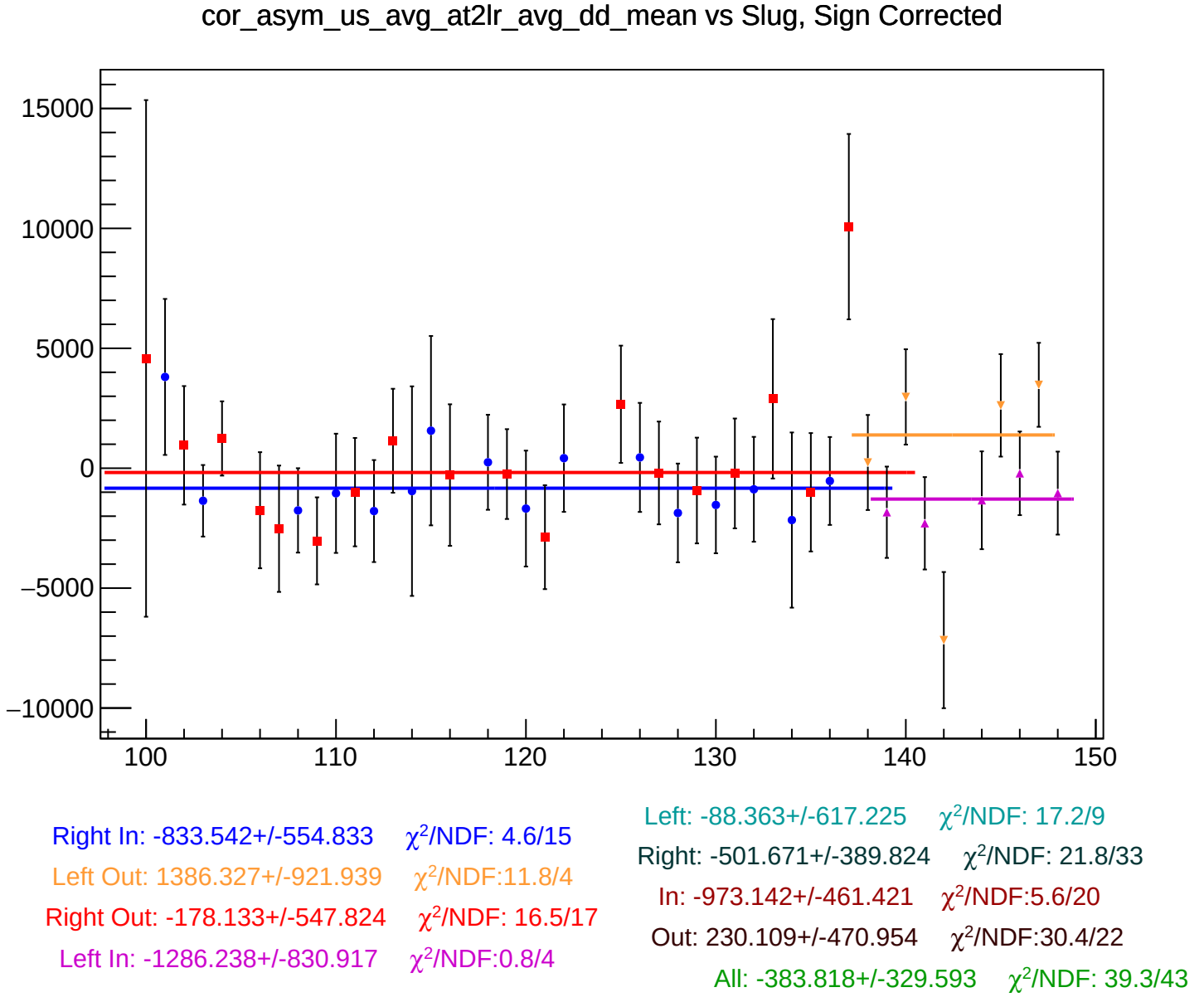
Left: 6734.953+/-1.690 χ^2/NDF: 145218.1/9

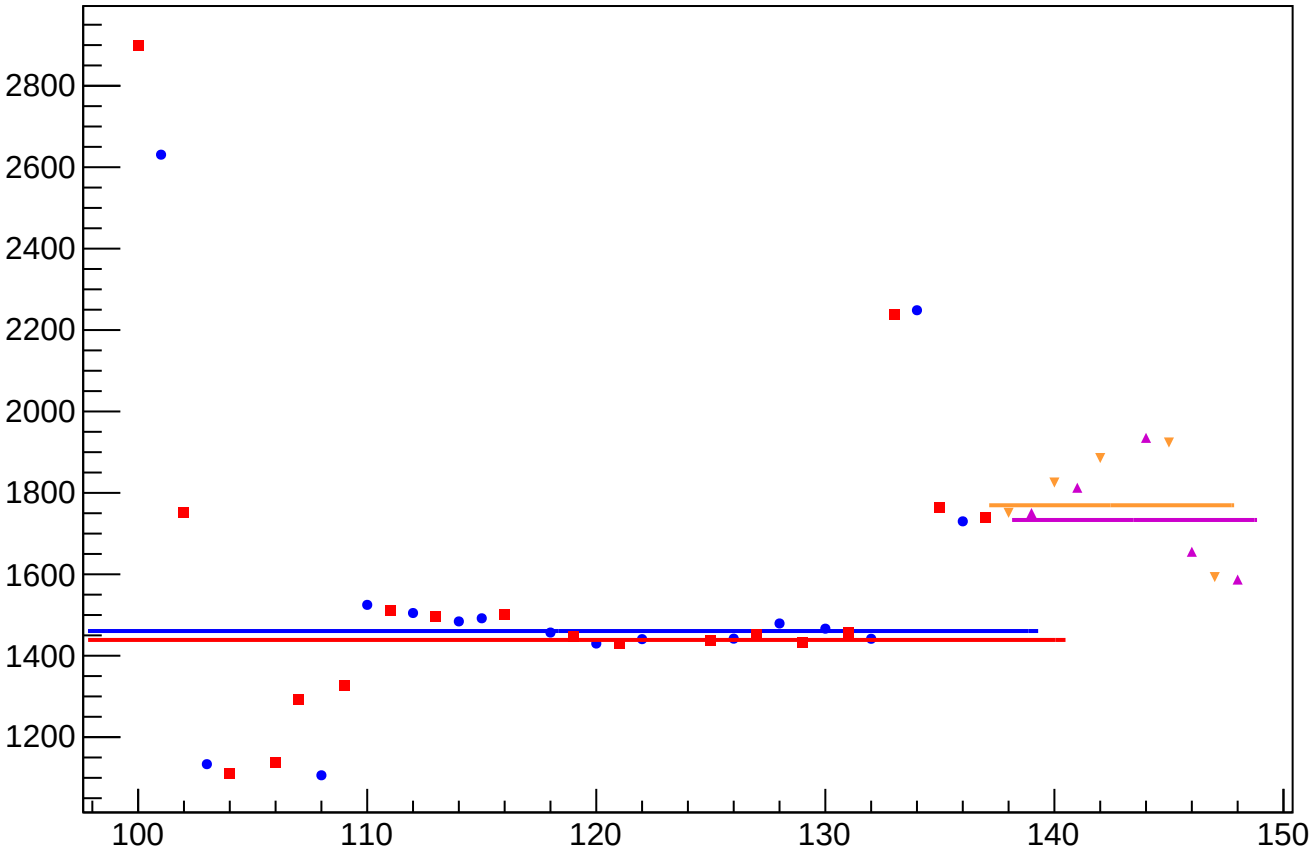
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6217.931+/-1.318 χ^2/NDF:816312.8/20

Out: 5491.586+/-1.233 χ^2/NDF:1844330.0/22

All: 5830.744+/-0.900 χ^2/NDF: 2822593.3/43


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1386.327+/-921.939 χ²/NDF:11.8/4
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1286.238+/-830.917 χ²/NDF:0.8/4
Left: -88.363+/-617.225 χ²/NDF: 17.2/9
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -973.142+/-461.421 χ²/NDF:5.6/20
Out: 230.109+/-470.954 χ²/NDF:30.4/22
All: -383.818+/-329.593 χ²/NDF: 39.3/43



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

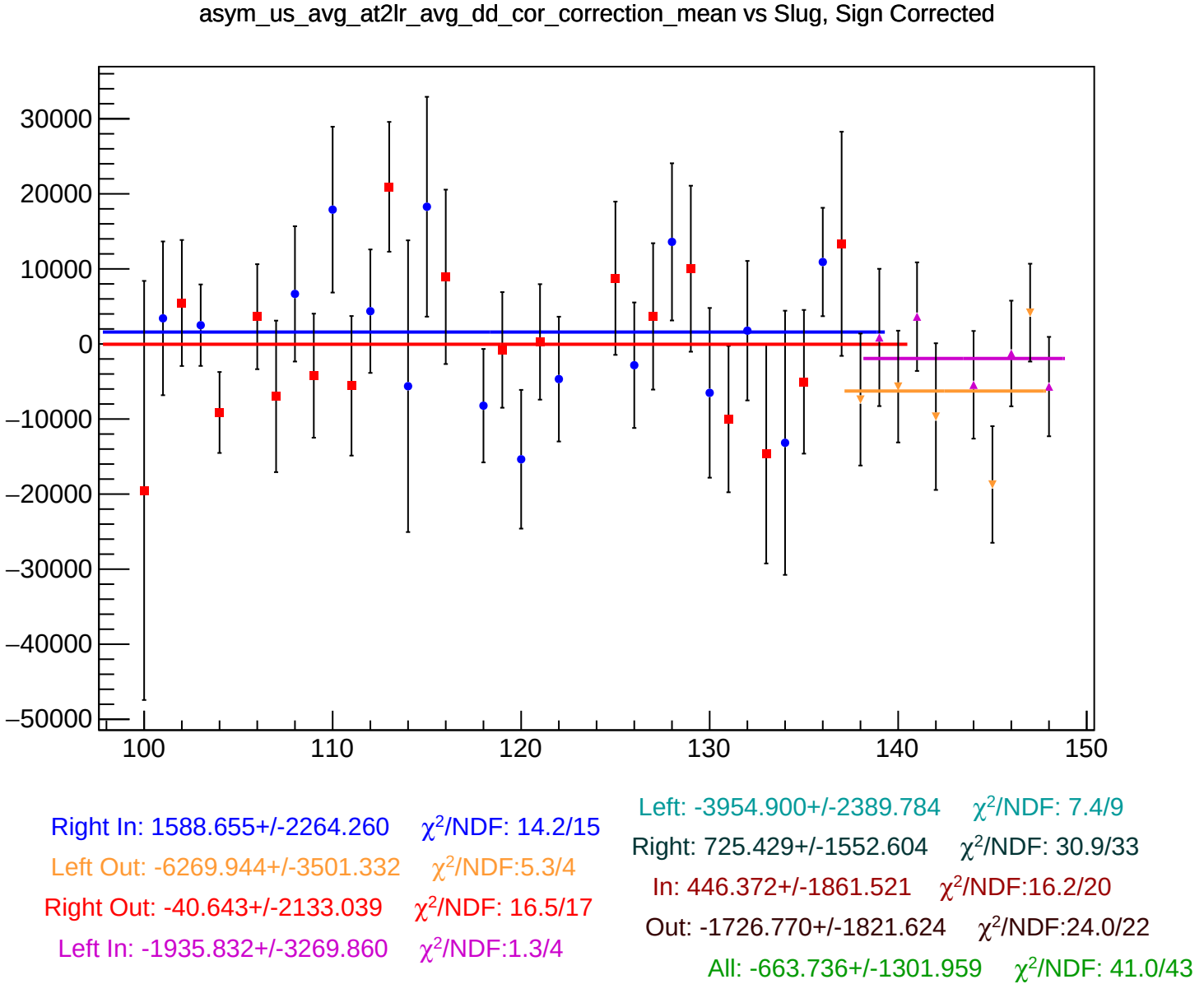
Left: 1749.649+/-0.436 χ^2/NDF: 78919.1/9

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

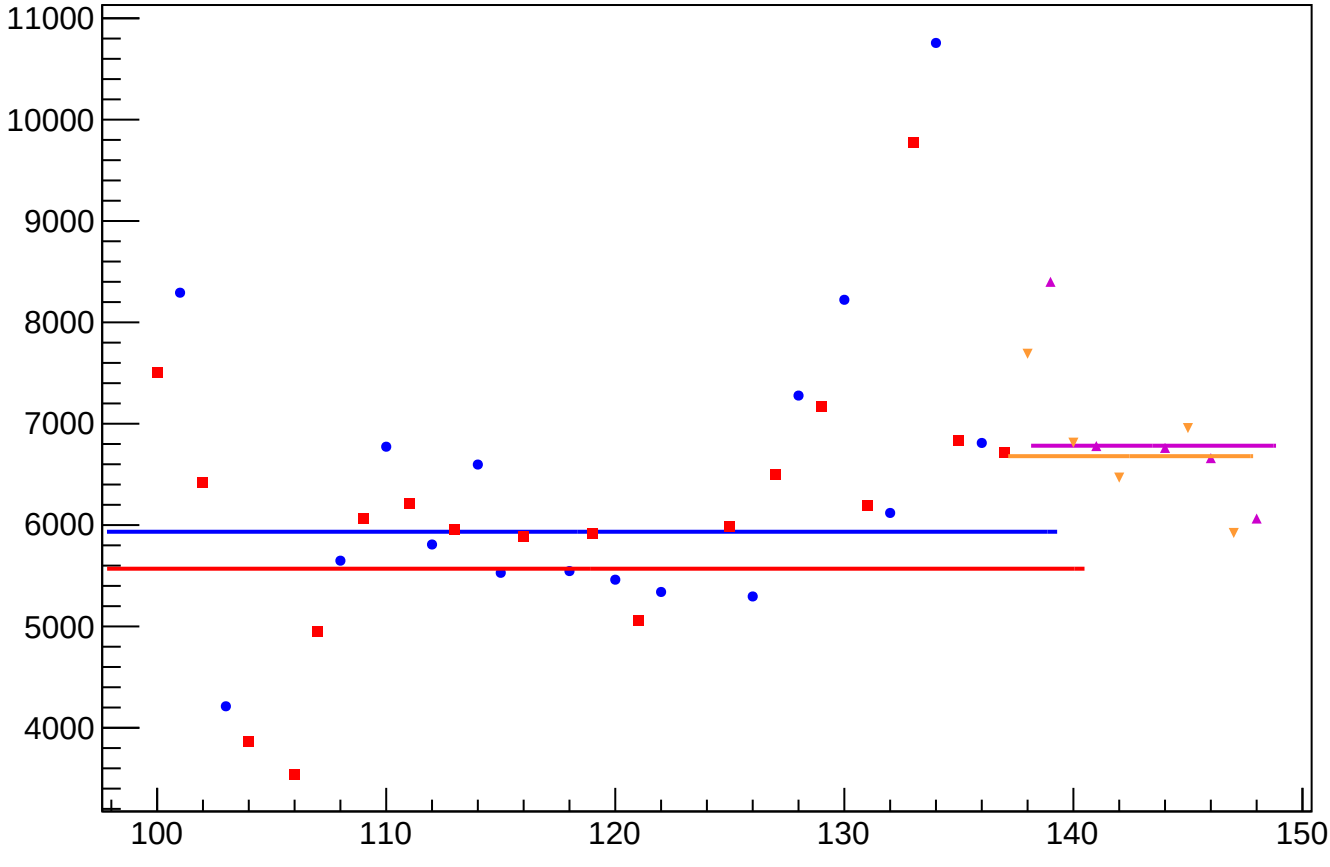
In: 1544.779+/-0.326 χ^2/NDF:766265.7/20

Out: 1524.799+/-0.332 χ^2/NDF:599720.7/22

All: 1534.976+/-0.233 χ^2/NDF: 1367826.1/43


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -6269.944+/-3501.332 χ²/NDF:5.3/4
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1935.832+/-3269.860 χ²/NDF:1.3/4
Left: -3954.900+/-2389.784 χ²/NDF: 7.4/9
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 446.372+/-1861.521 χ²/NDF:16.2/20
Out: -1726.770+/-1821.624 χ²/NDF:24.0/22
All: -663.736+/-1301.959 χ²/NDF: 41.0/43

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: 6679.870+/-2.476 χ^2/NDF:57568.0/4

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

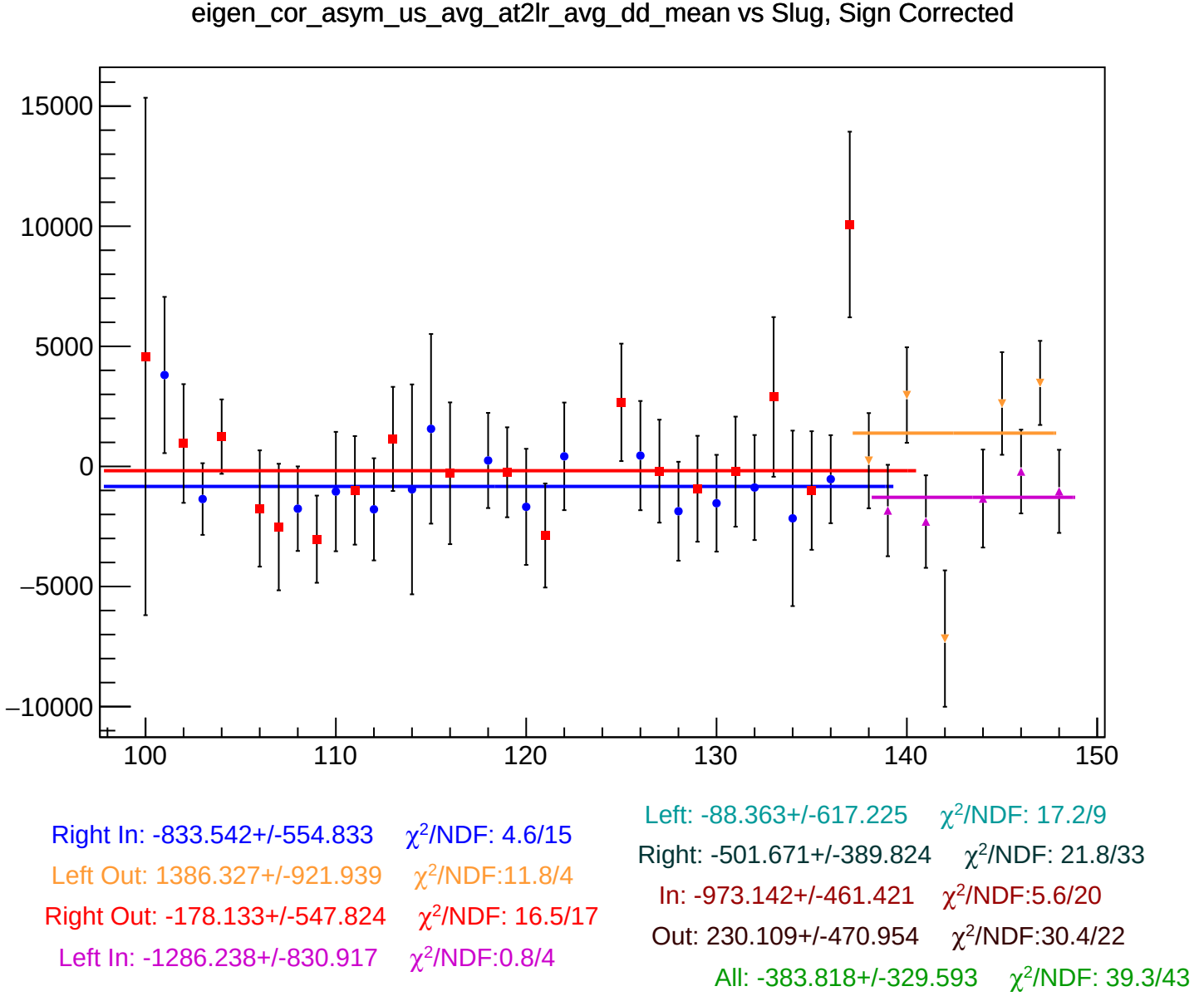
Left: 6734.948+/-1.690 χ^2/NDF: 145216.7/9

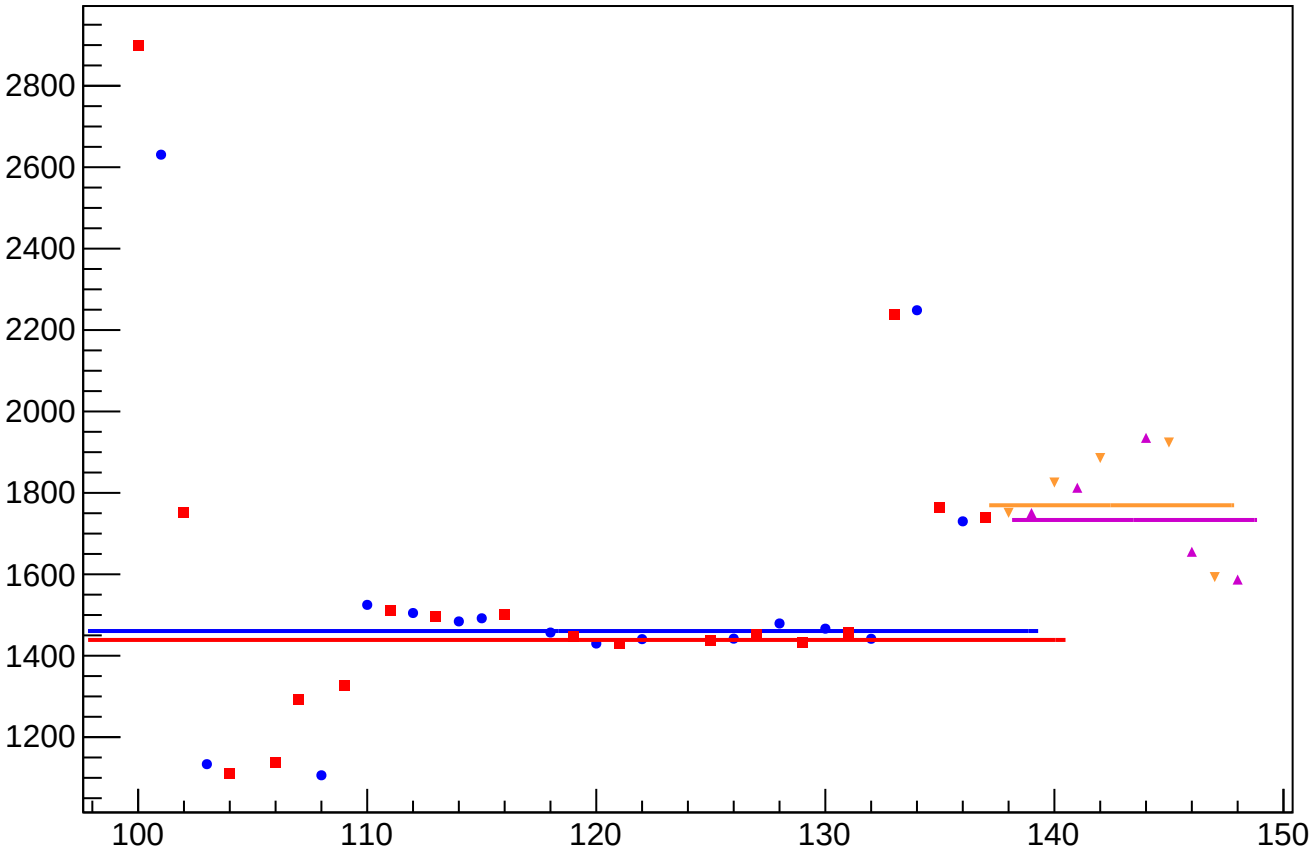
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6209.296+/-1.316 χ^2/NDF:830888.6/20

Out: 5870.129+/-1.288 χ^2/NDF:928285.1/22

All: 6036.039+/-0.921 χ^2/NDF: 1793089.3/43


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1386.327+/-921.939 χ²/NDF:11.8/4
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1286.238+/-830.917 χ²/NDF:0.8/4
Left: -88.363+/-617.225 χ²/NDF: 17.2/9
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -973.142+/-461.421 χ²/NDF:5.6/20
Out: 230.109+/-470.954 χ²/NDF:30.4/22
All: -383.818+/-329.593 χ²/NDF: 39.3/43



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

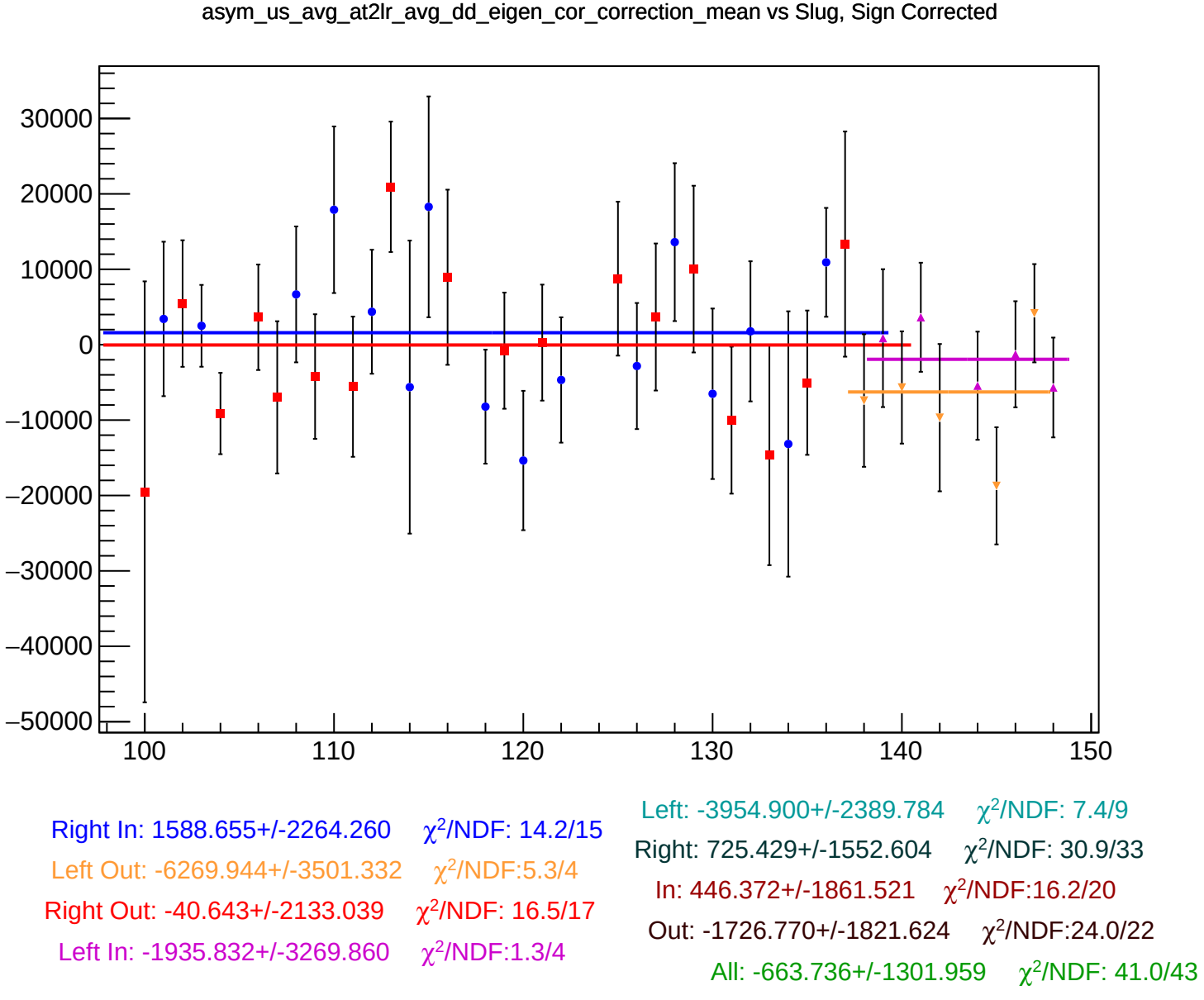
Left: 1749.649+/-0.436 χ^2/NDF: 78919.1/9

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

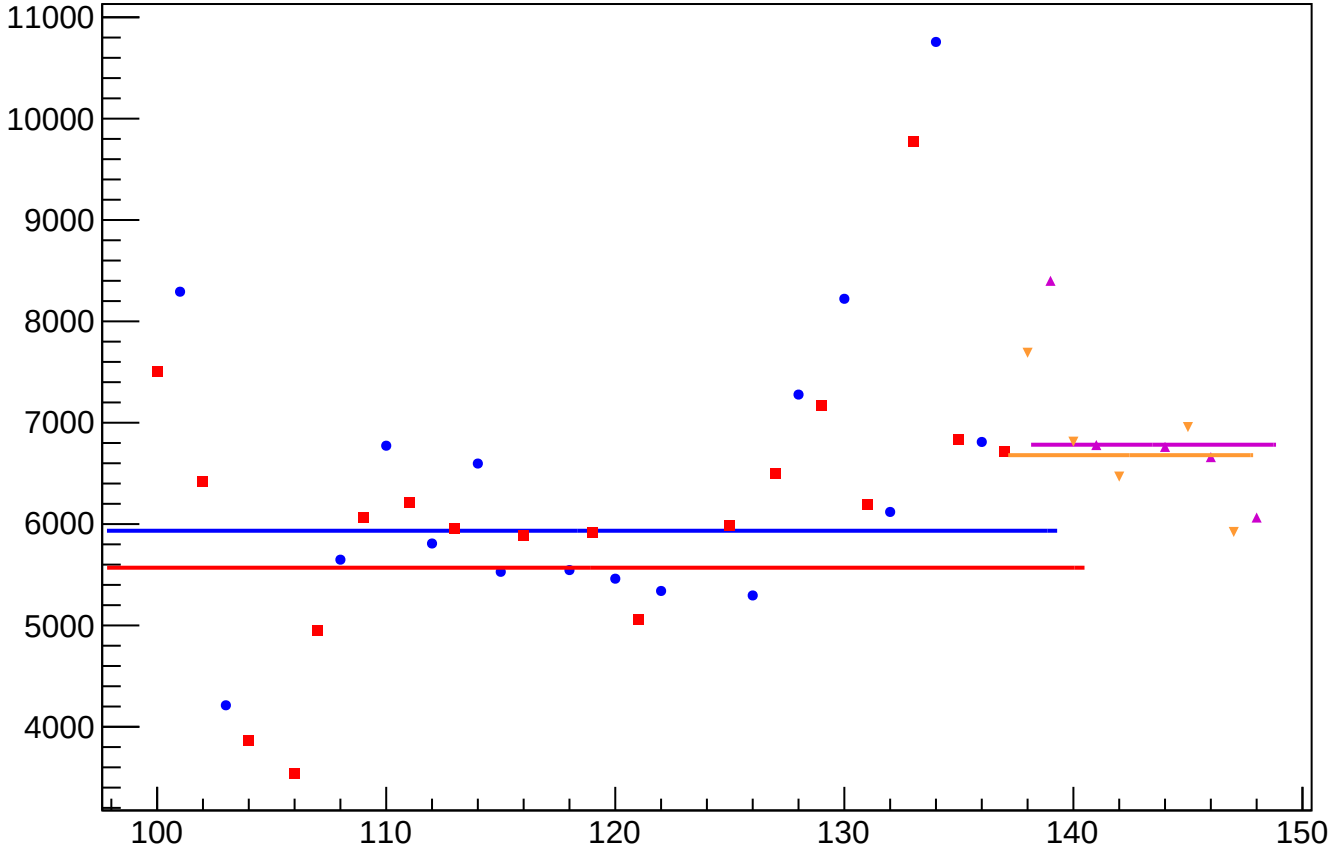
In: 1544.779+/-0.326 χ^2/NDF:766265.7/20

Out: 1524.799+/-0.332 χ^2/NDF:599720.7/22

All: 1534.976+/-0.233 χ^2/NDF: 1367826.1/43


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -6269.944+/-3501.332 χ²/NDF:5.3/4
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1935.832+/-3269.860 χ²/NDF:1.3/4
Left: -3954.900+/-2389.784 χ²/NDF: 7.4/9
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 446.372+/-1861.521 χ²/NDF:16.2/20
Out: -1726.770+/-1821.624 χ²/NDF:24.0/22
All: -663.736+/-1301.959 χ²/NDF: 41.0/43

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: 6679.870+/-2.476 χ^2/NDF:57568.0/4

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

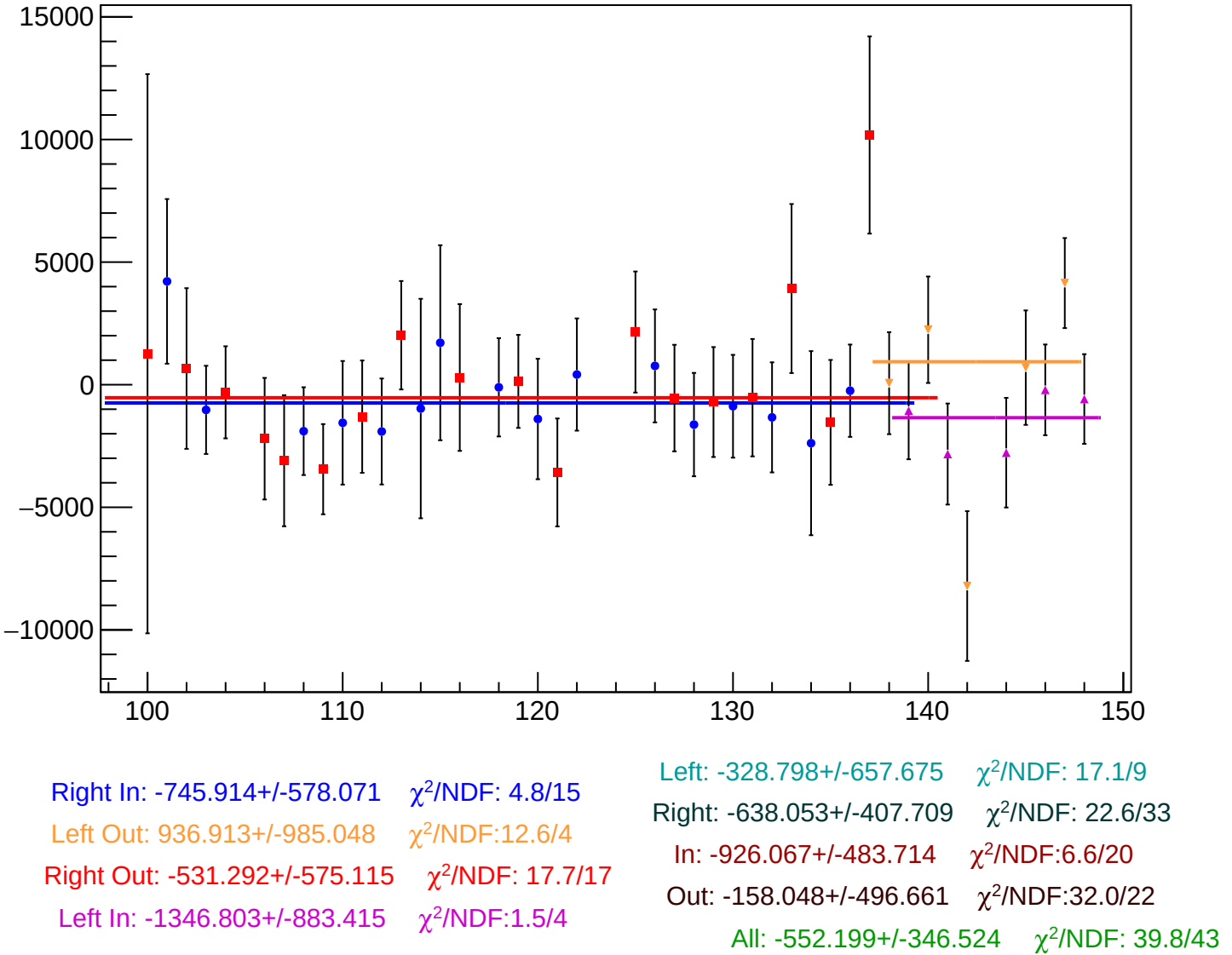
Left: 6734.948+/-1.690 χ^2/NDF: 145216.7/9

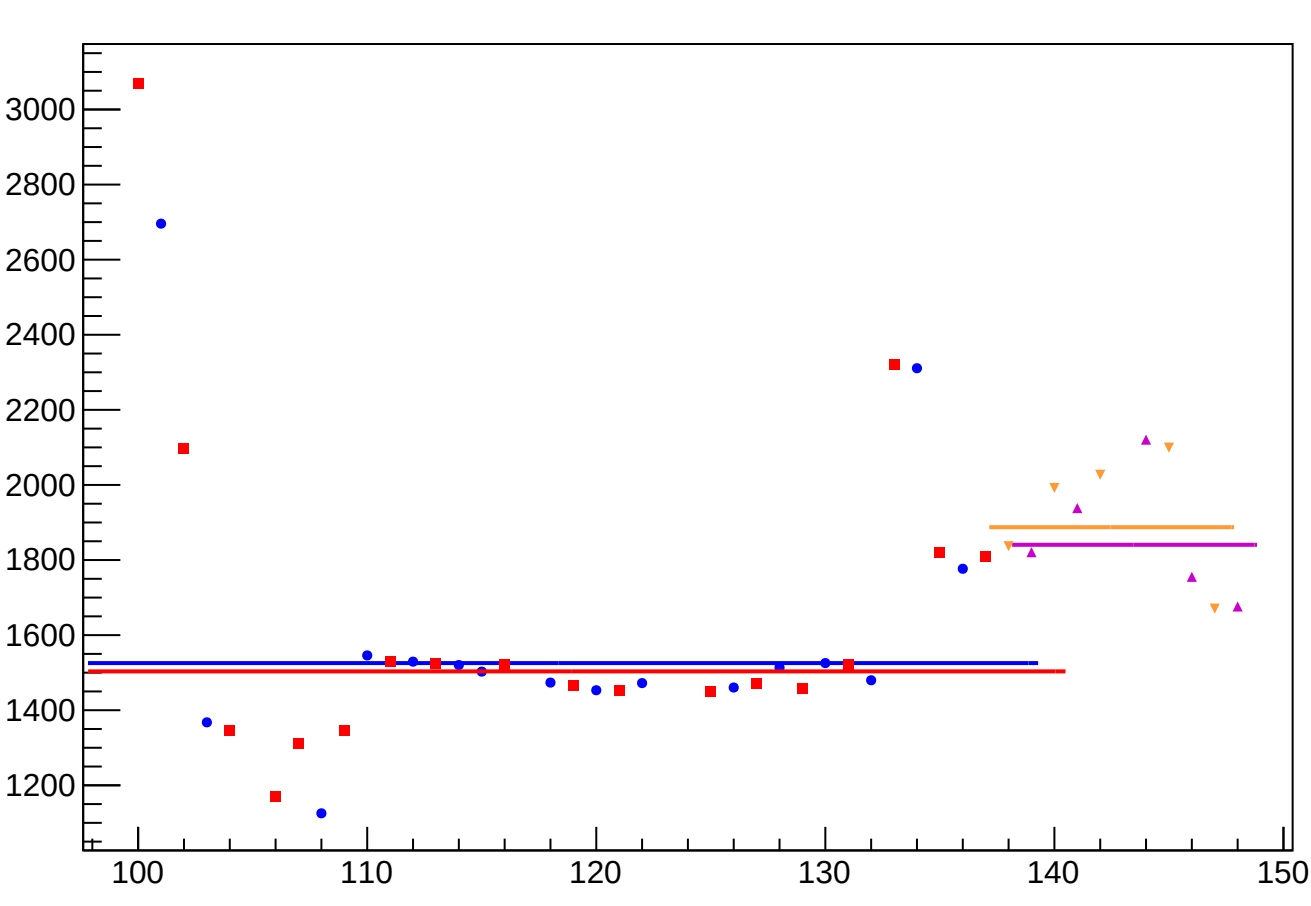
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6209.296+/-1.316 χ^2/NDF:830888.6/20

Out: 5870.129+/-1.288 χ^2/NDF:928285.1/22

All: 6036.039+/-0.921 χ^2/NDF: 1793089.3/43


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 936.913+/-985.048 χ²/NDF:12.6/4
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1346.803+/-883.415 χ²/NDF:1.5/4
Left: -328.798+/-657.675 χ²/NDF: 17.1/9
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -926.067+/-483.714 χ²/NDF:6.6/20
Out: -158.048+/-496.661 χ²/NDF:32.0/22
All: -552.199+/-346.524 χ²/NDF: 39.8/43



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1887.469+/-0.697 χ^2/NDF:54393.4/4

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1840.597+/-0.625 χ^2/NDF:56510.3/4

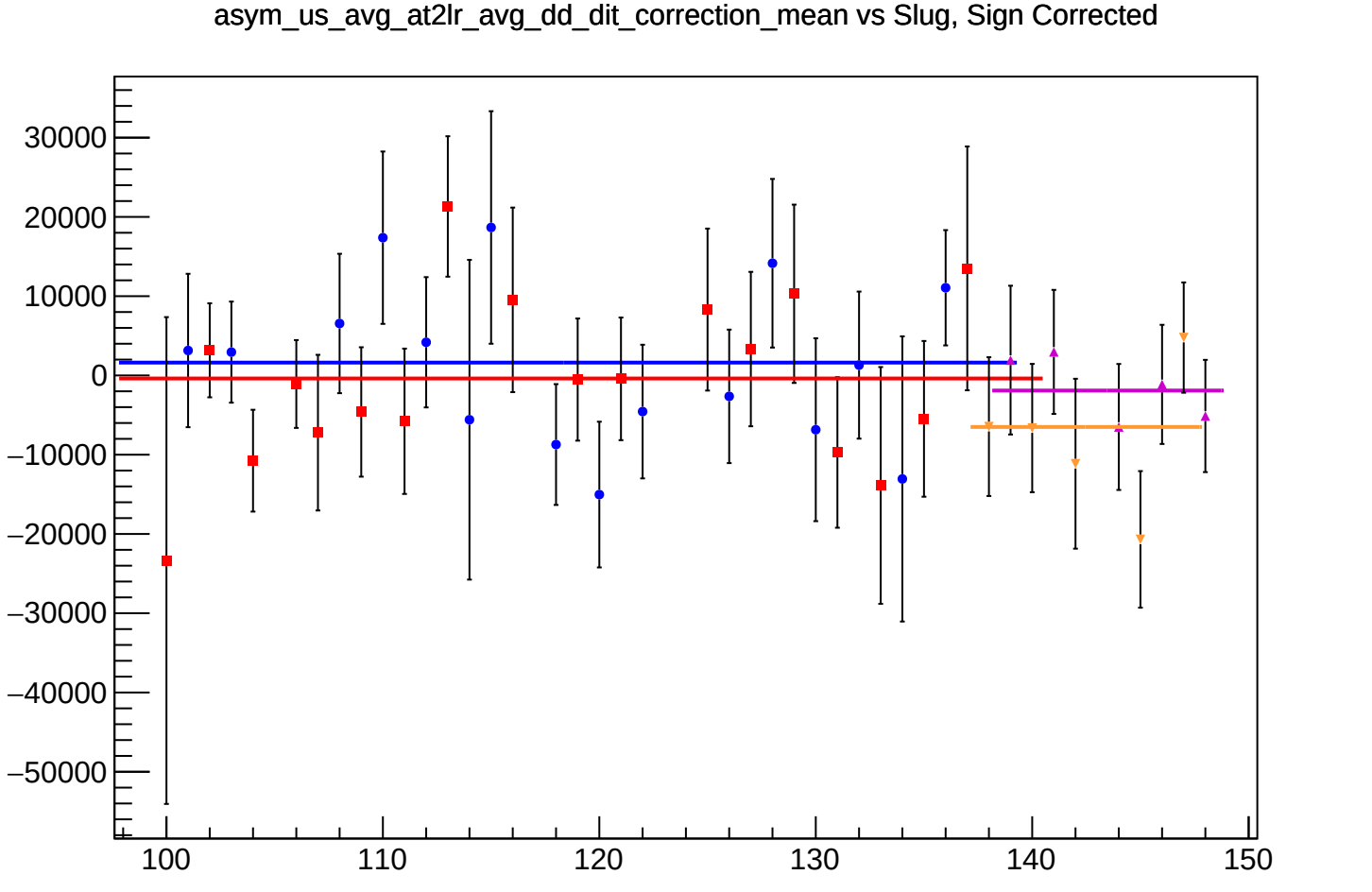
Left: 1861.491+/-0.465 χ^2/NDF: 113413.5/9

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1619.995+/-0.342 χ^2/NDF:722955.3/20

Out: 1601.021+/-0.351 χ^2/NDF:619643.3/22

All: 1610.756+/-0.245 χ^2/NDF: 1344096.9/43



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -6500.437+/-3748.825 χ^2/NDF:5.5/4

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -1904.157+/-3510.055 χ^2/NDF:1.1/4

Left: -4051.272+/-2562.239 χ^2/NDF: 7.4/9

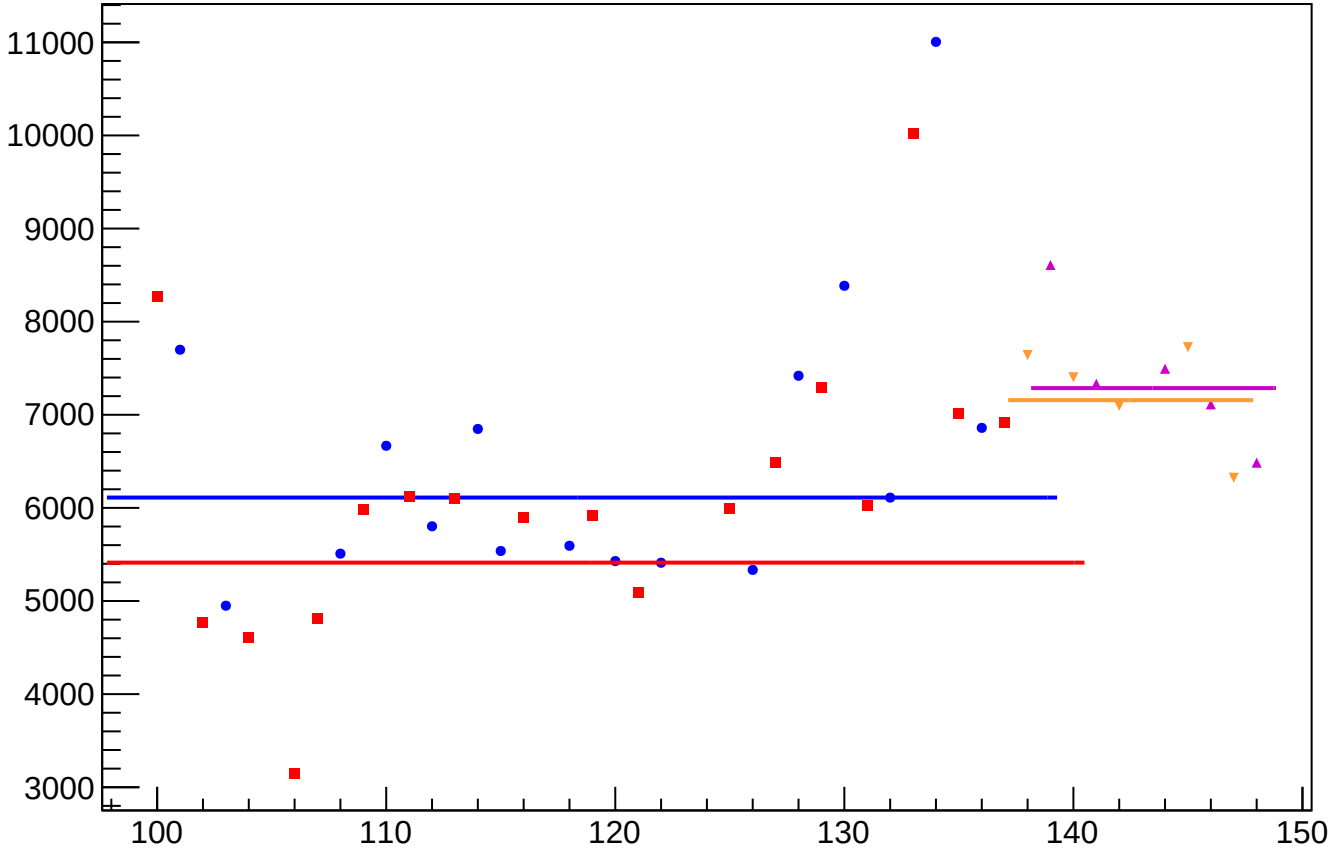
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 548.532+/-1935.459 χ^2/NDF:16.1/20

Out: -1804.964+/-1805.966 χ^2/NDF:23.6/22

All: -709.575+/-1320.418 χ^2/NDF: 40.4/43

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: 7156.957+/-2.651 χ^2/NDF:45464.6/4

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7286.528+/-2.482 χ^2/NDF:67769.9/4

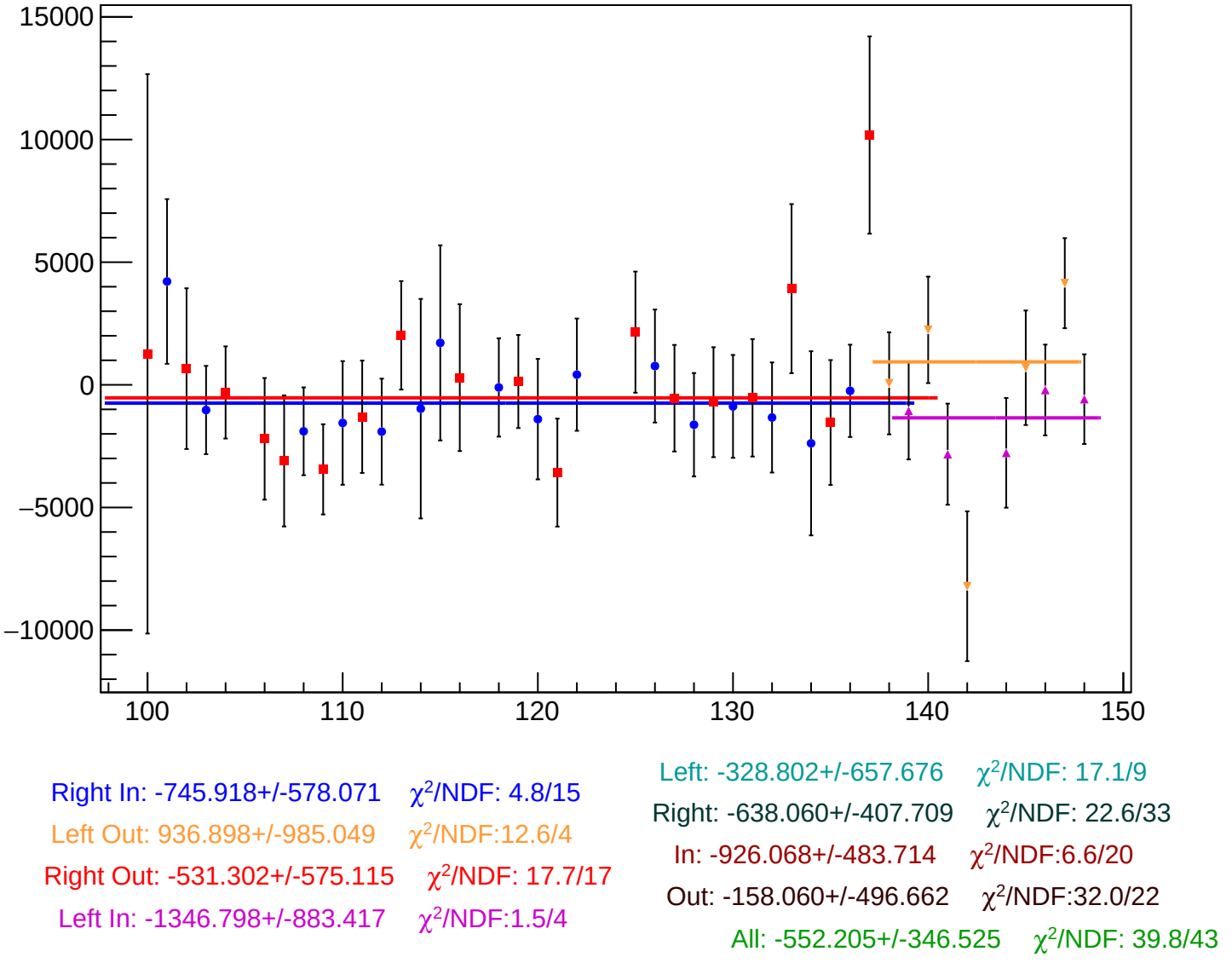
Left: 7226.000+/-1.812 χ^2/NDF: 114507.6/9

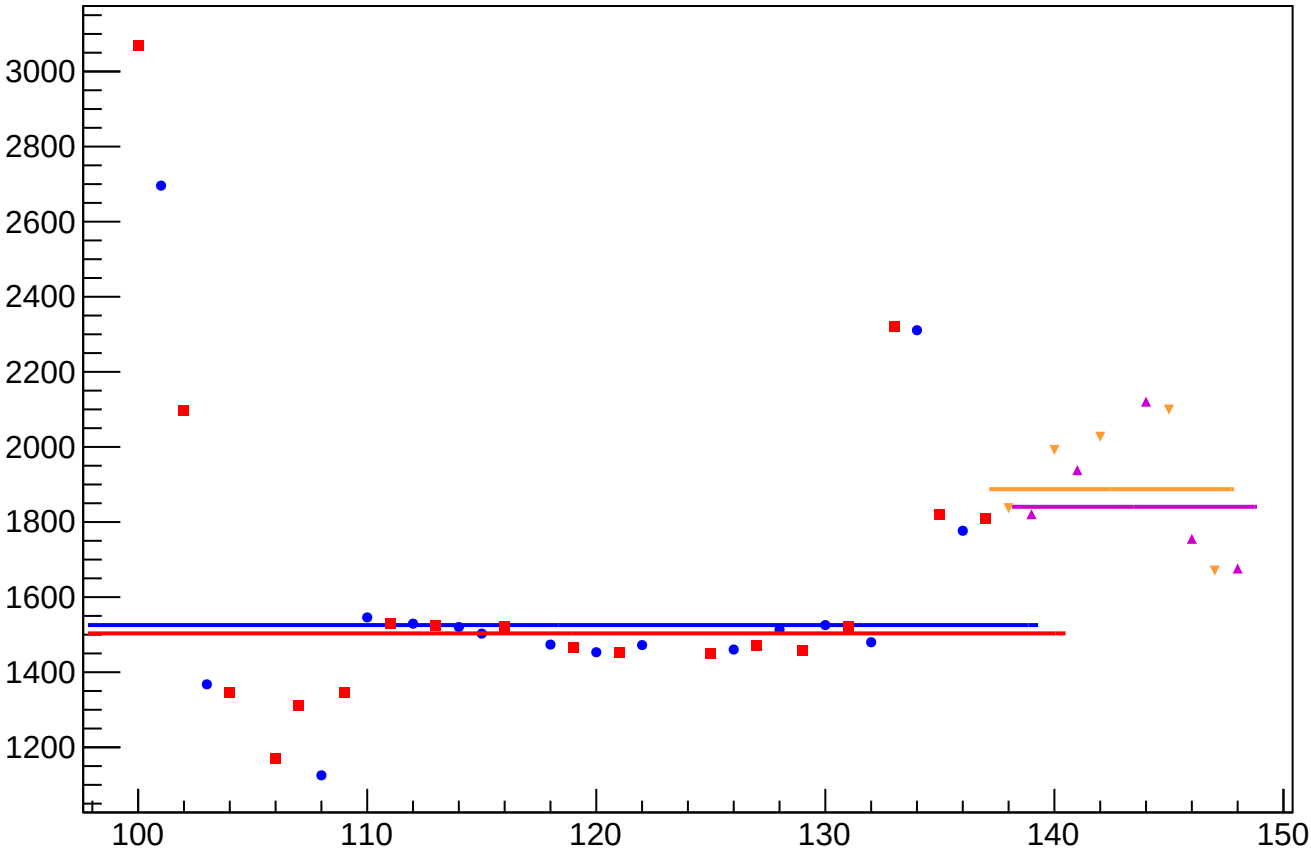
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6468.441+/-1.369 χ^2/NDF:695537.8/20

Out: 5817.173+/-1.277 χ^2/NDF:1199647.3/22

All: 6120.293+/-0.934 χ^2/NDF: 2016240.7/43


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 936.898+/-985.049 χ²/NDF:12.6/4
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1346.798+/-883.417 χ²/NDF:1.5/4
Left: -328.802+/-657.676 χ²/NDF: 17.1/9
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -926.068+/-483.714 χ²/NDF:6.6/20
Out: -158.060+/-496.662 χ²/NDF:32.0/22
All: -552.205+/-346.525 χ²/NDF: 39.8/43



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1887.471+/-0.697 χ^2/NDF:54394.2/4

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1840.599+/-0.625 χ^2/NDF:56510.3/4

Left: 1861.493+/-0.465 χ^2/NDF: 113414.3/9

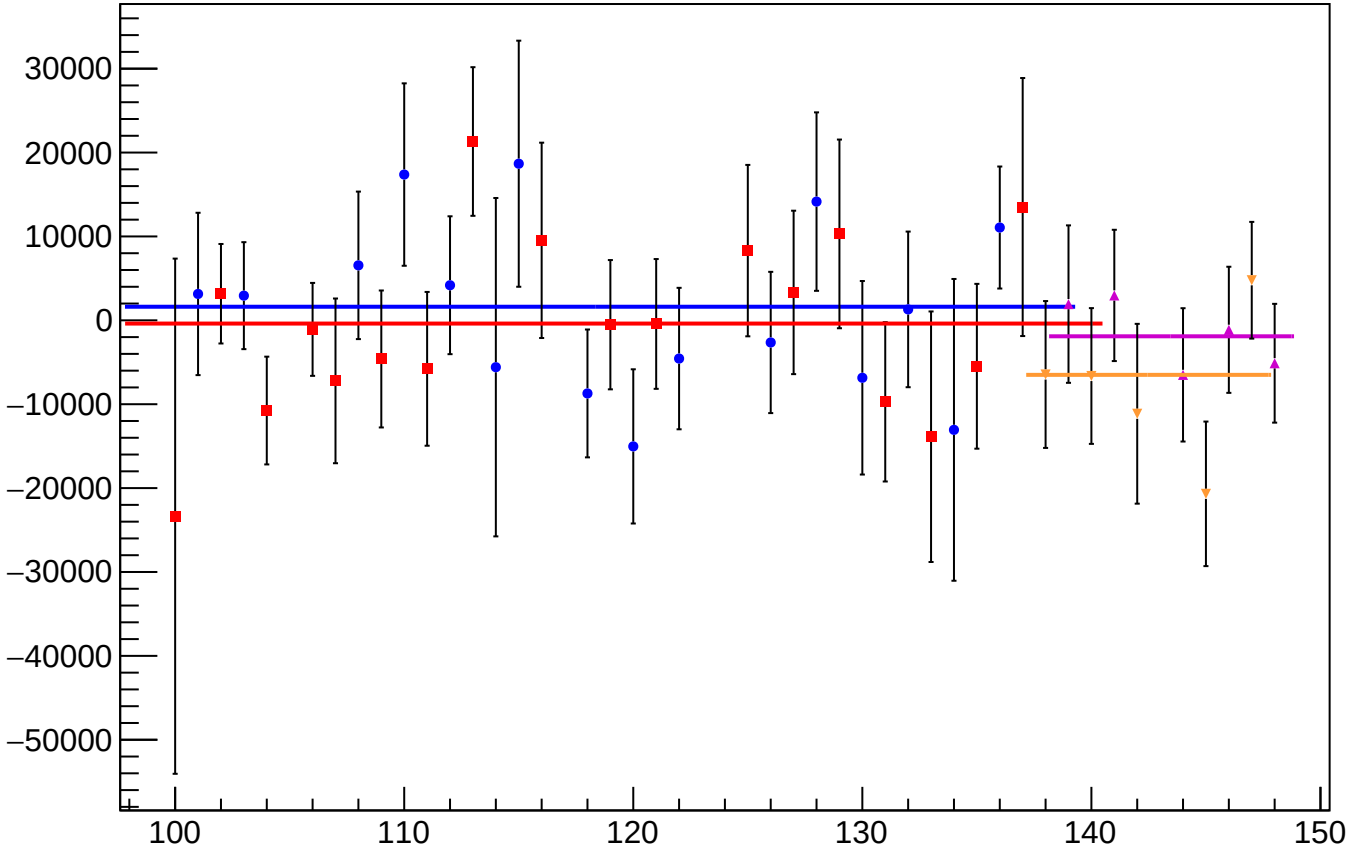
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1619.995+/-0.342 χ^2/NDF:722957.4/20

Out: 1601.021+/-0.351 χ^2/NDF:619646.3/22

All: 1610.757+/-0.245 χ^2/NDF: 1344102.1/43

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: -6500.449+/-3748.831 χ^2/NDF:5.5/4

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -1904.151+/-3510.059 χ^2/NDF:1.1/4

Left: -4051.274+/-2562.243 χ^2/NDF: 7.4/9

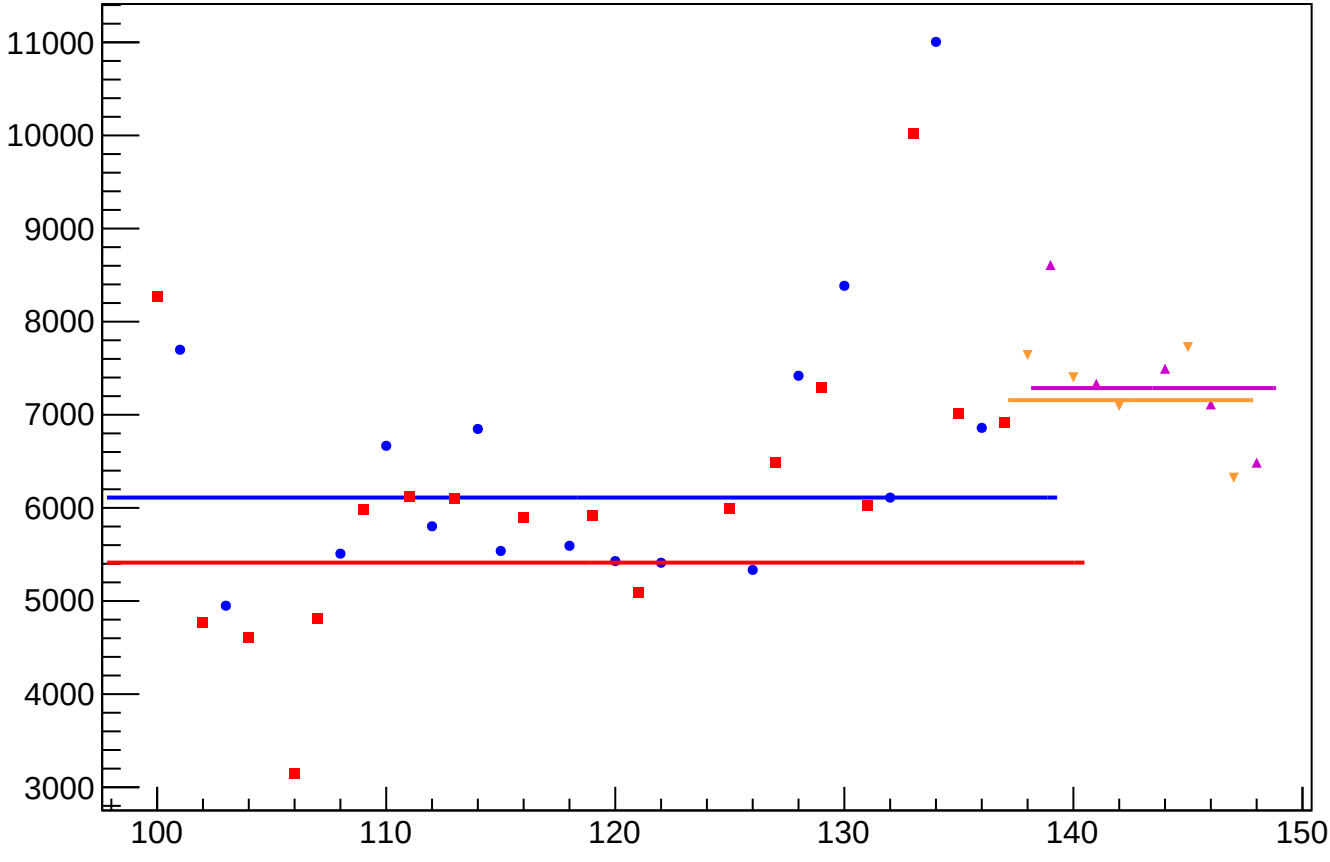
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 548.525+/-1935.457 χ^2/NDF:16.1/20

Out: -1804.964+/-1805.963 χ^2/NDF:23.6/22

All: -709.578+/-1320.417 χ^2/NDF: 40.4/43

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: 7156.968+/-2.651 χ^2/NDF:45465.3/4

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7286.537+/-2.482 χ^2/NDF:67770.8/4

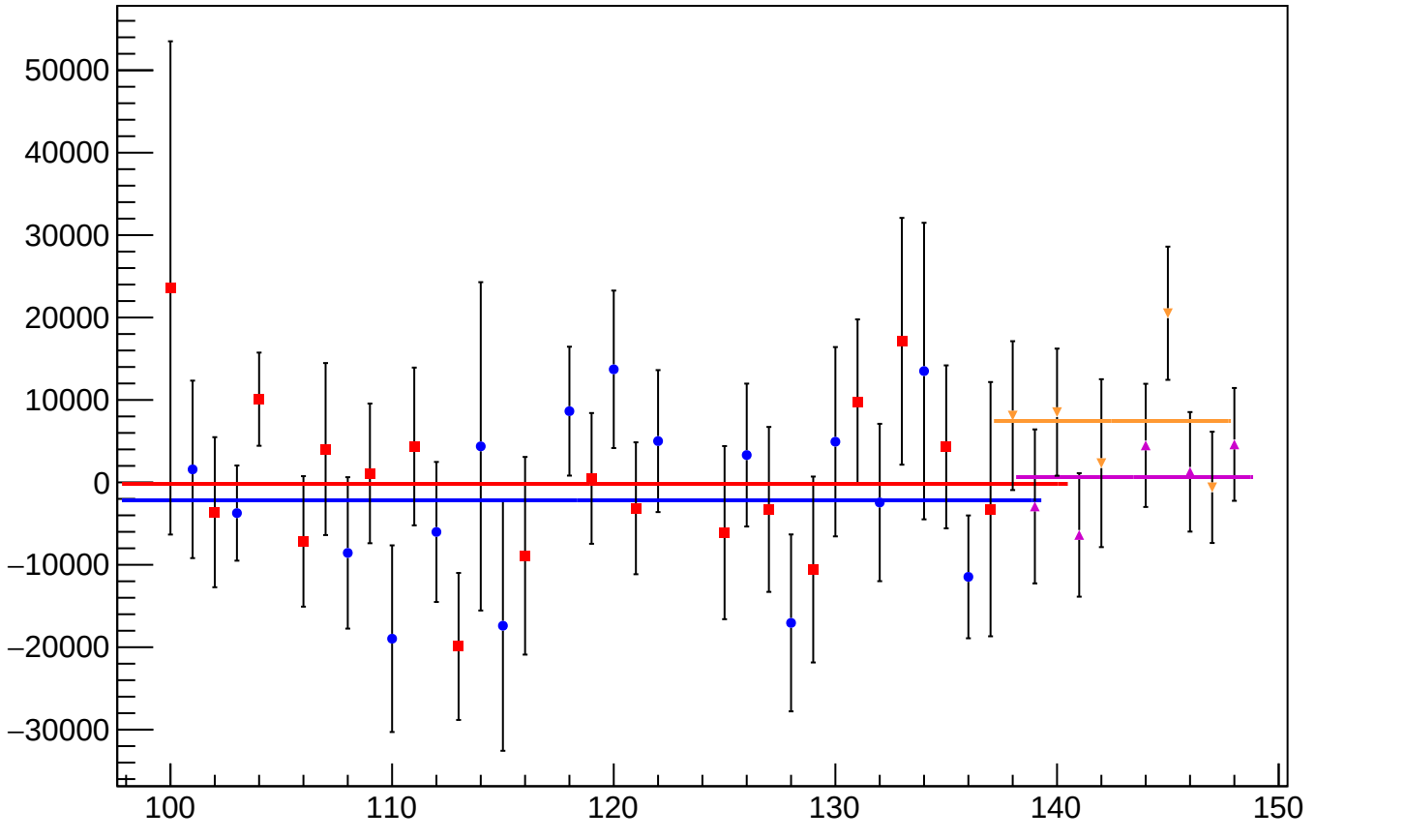
Left: 7226.010+/-1.812 χ^2/NDF: 114509.1/9

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6468.433+/-1.369 χ^2/NDF:695546.9/20

Out: 5817.164+/-1.277 χ^2/NDF:1199656.0/22

All: 6120.285+/-0.934 χ^2/NDF: 2016258.9/43



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 7448.345+/-3627.856 χ^2/NDF:4.3/4

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 641.083+/-3379.893 χ^2/NDF:1.6/4

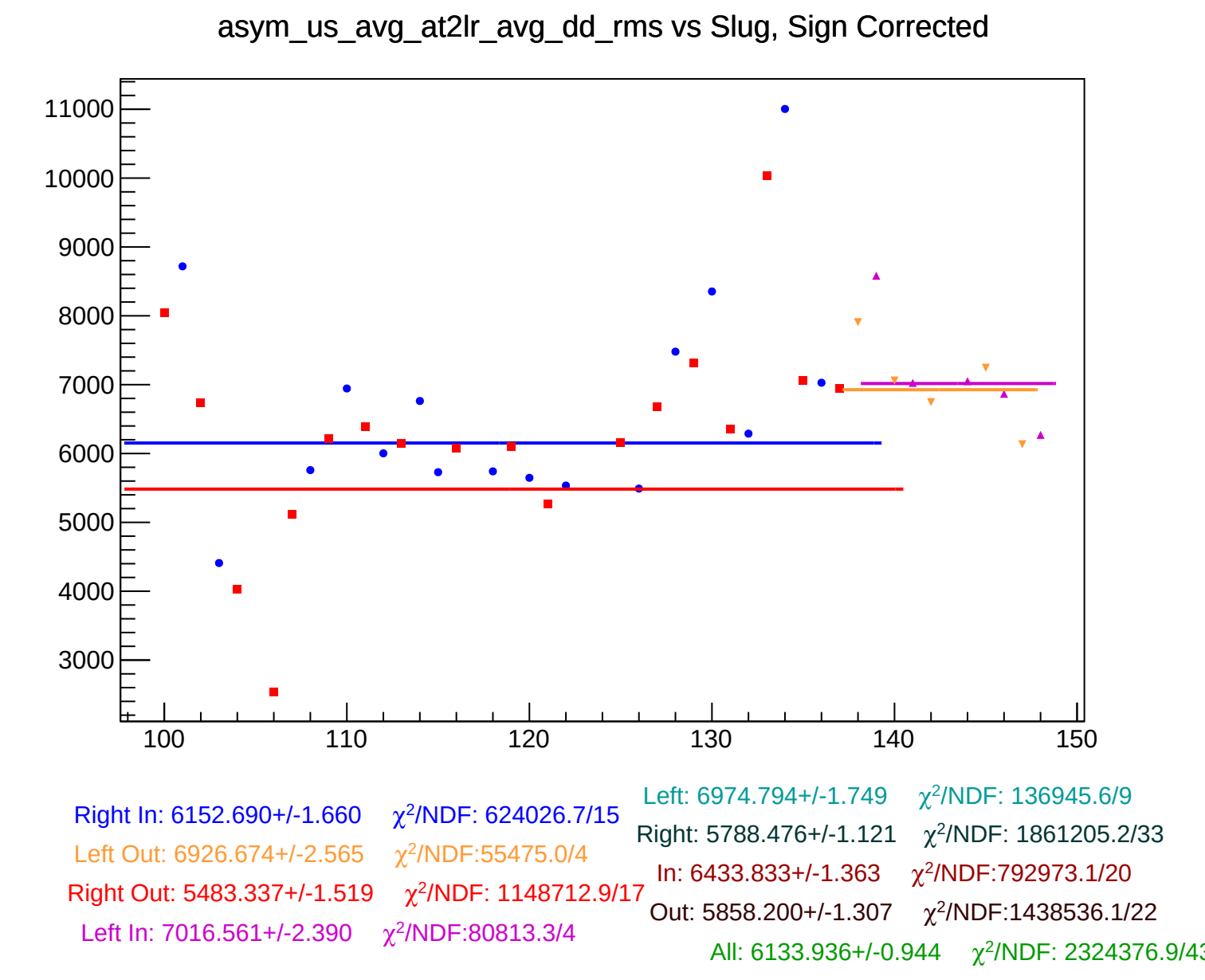
Left: 3804.146+/-2472.964 χ^2/NDF: 7.8/9

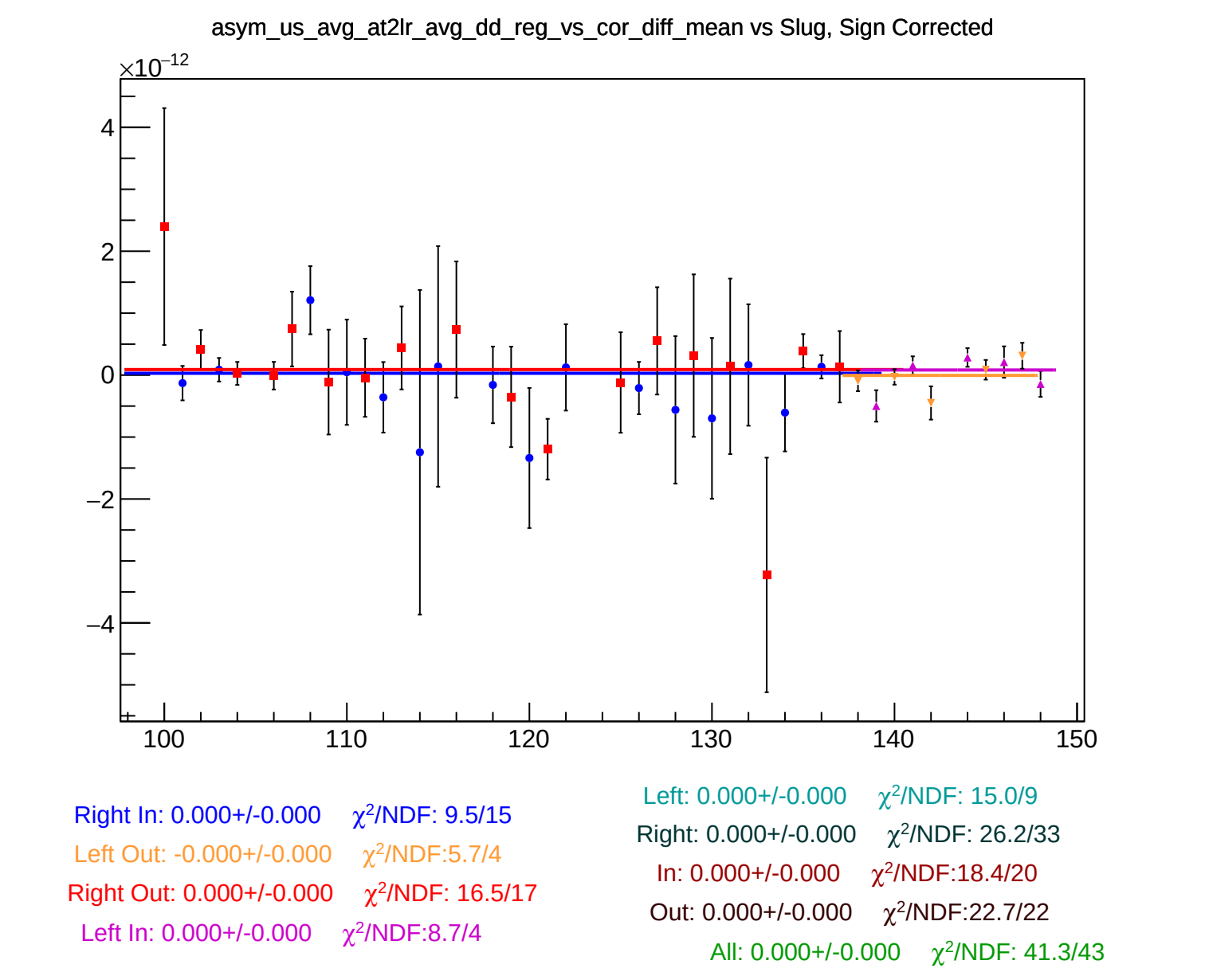
Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1257.870+/-1928.163 χ^2/NDF:16.7/20

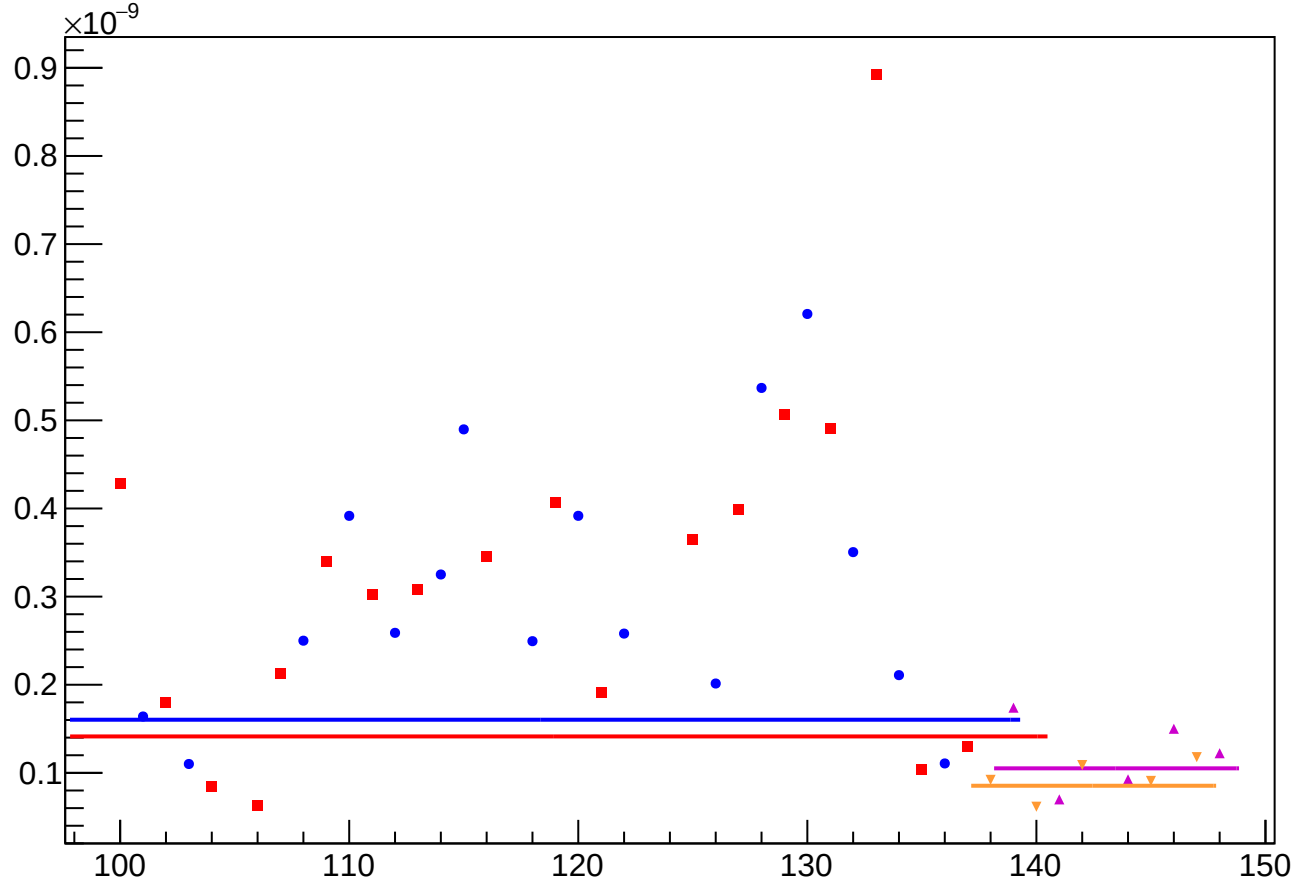
Out: 1907.794+/-1899.097 χ^2/NDF:22.2/22

All: 349.002+/-1353.024 χ^2/NDF: 40.2/43


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 6926.674+/-2.565 χ²/NDF:55475.0/4
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7016.561+/-2.390 χ²/NDF:80813.3/4
Left: 6974.794+/-1.749 χ²/NDF: 136945.6/9
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6433.833+/-1.363 χ²/NDF:792973.1/20
Out: 5858.200+/-1.307 χ²/NDF:1438536.1/22
All: 6133.936+/-0.944 χ²/NDF: 2324376.9/43


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:5.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:8.7/4
Left: 0.000+/-0.000 χ²/NDF: 15.0/9
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:18.4/20
Out: 0.000+/-0.000 χ²/NDF:22.7/22
All: 0.000+/-0.000 χ²/NDF: 41.3/43

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:141905.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:350774.7/4

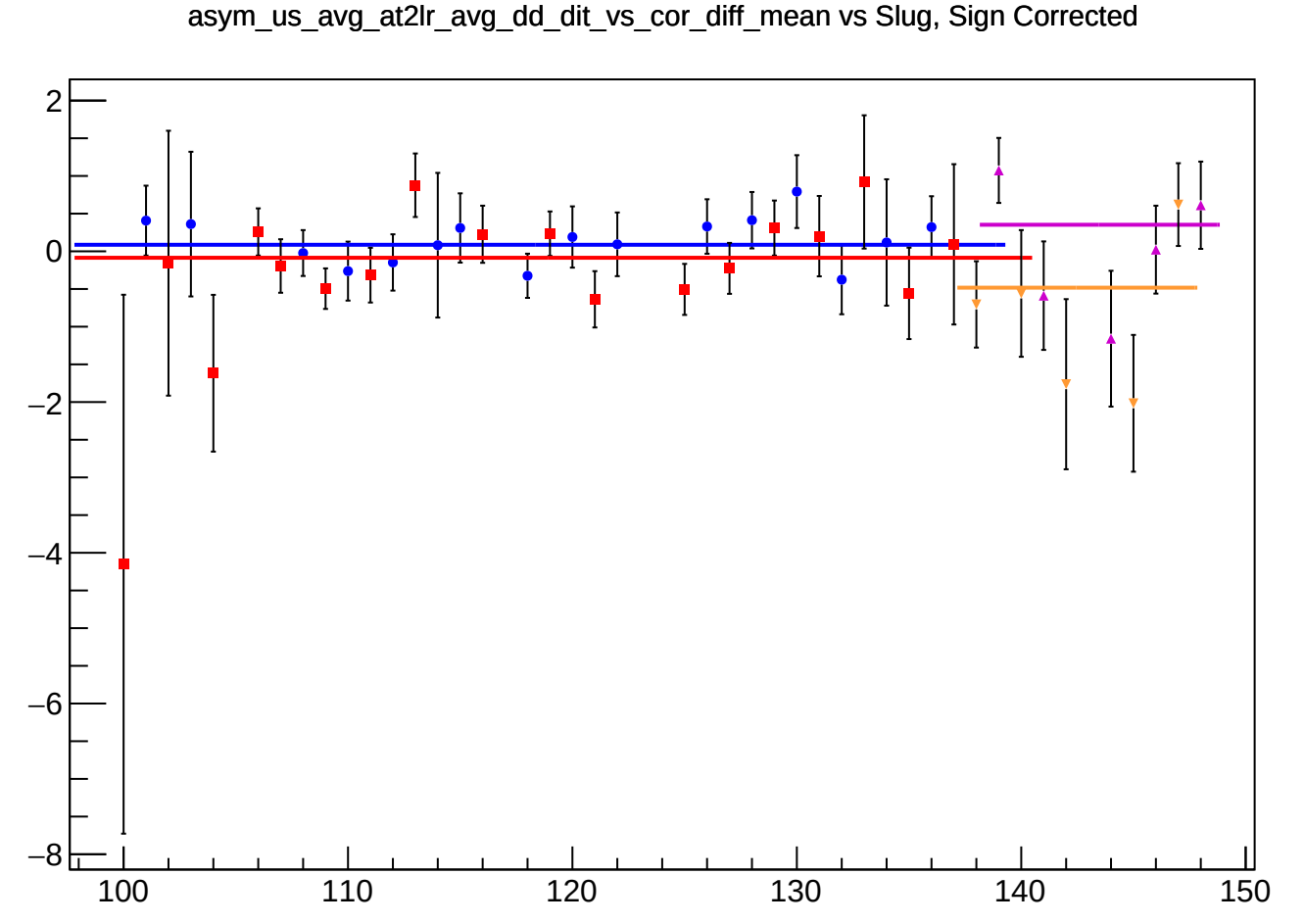
Left: 0.000+/-0.000 χ^2/NDF: 554554.7/9

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2024030.4/20

Out: 0.000+/-0.000 χ^2/NDF:2695041.1/22

All: 0.000+/-0.000 χ^2/NDF: 4839950.2/43



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.482+/-0.320 χ^2/NDF:8.3/4

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.352+/-0.263 χ^2/NDF:7.8/4

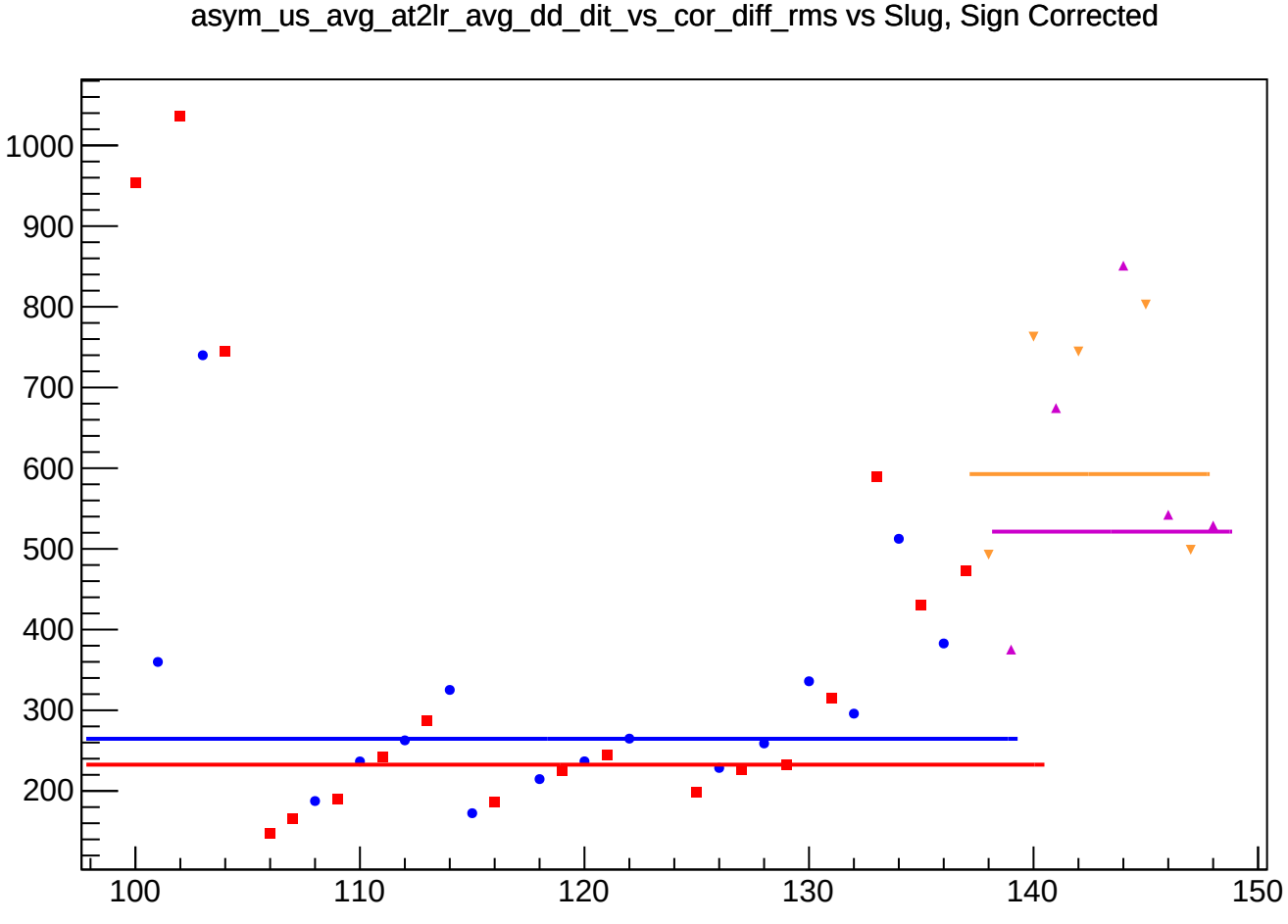
Left: 0.016+/-0.203 χ^2/NDF: 20.2/9

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

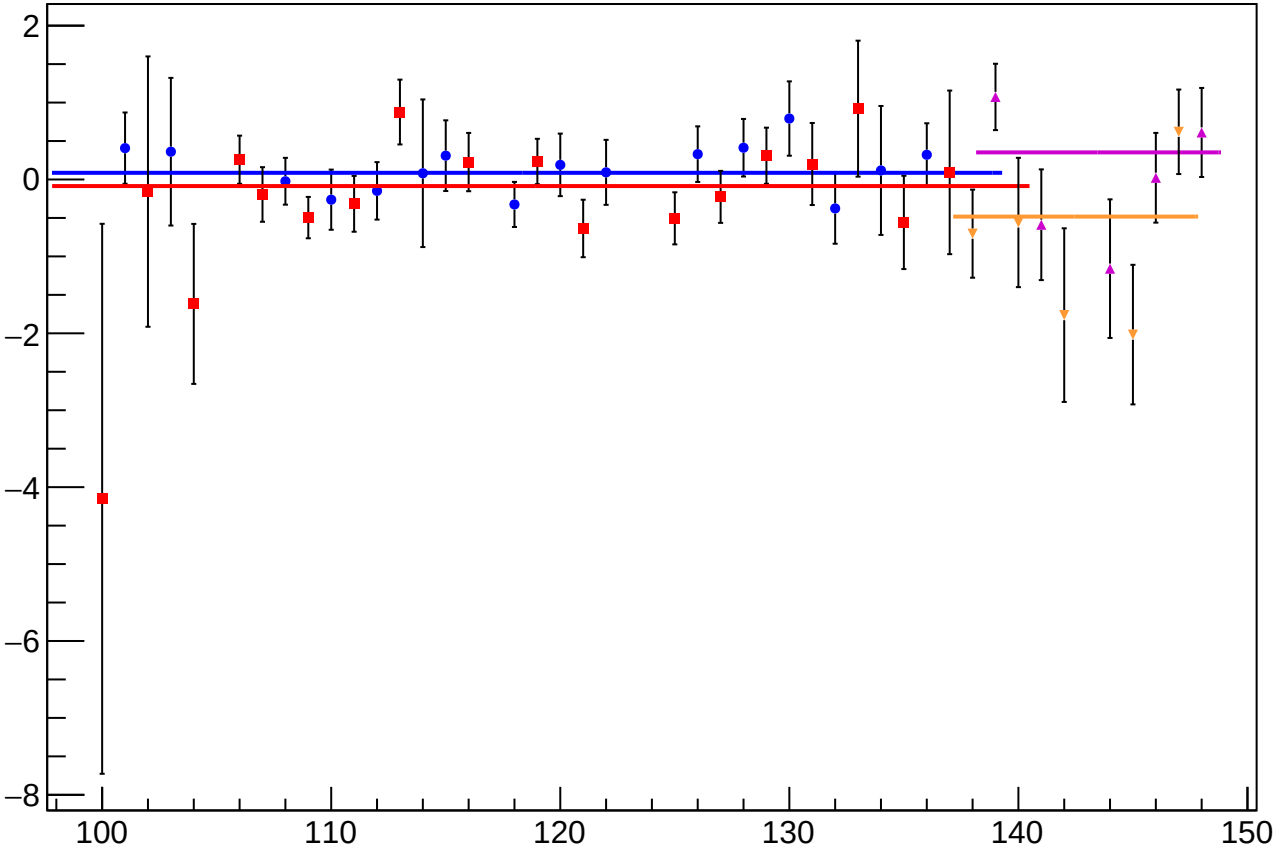
In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.119+/-0.093 χ^2/NDF:31.6/22

All: -0.004+/-0.067 χ^2/NDF: 52.4/43


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 592.691+/-0.226 χ²/NDF:344655.1/4
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 521.378+/-0.186 χ²/NDF:590740.1/4
Left: 550.145+/-0.144 χ²/NDF: 994733.6/9
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 300.016+/-0.069 χ²/NDF:3518435.7/20
Out: 263.129+/-0.066 χ²/NDF:4698279.1/22
All: 280.711+/-0.048 χ²/NDF: 8366297.2/43

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: -0.482+/-0.320 χ^2/NDF:8.3/4

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.352+/-0.263 χ^2/NDF:7.8/4

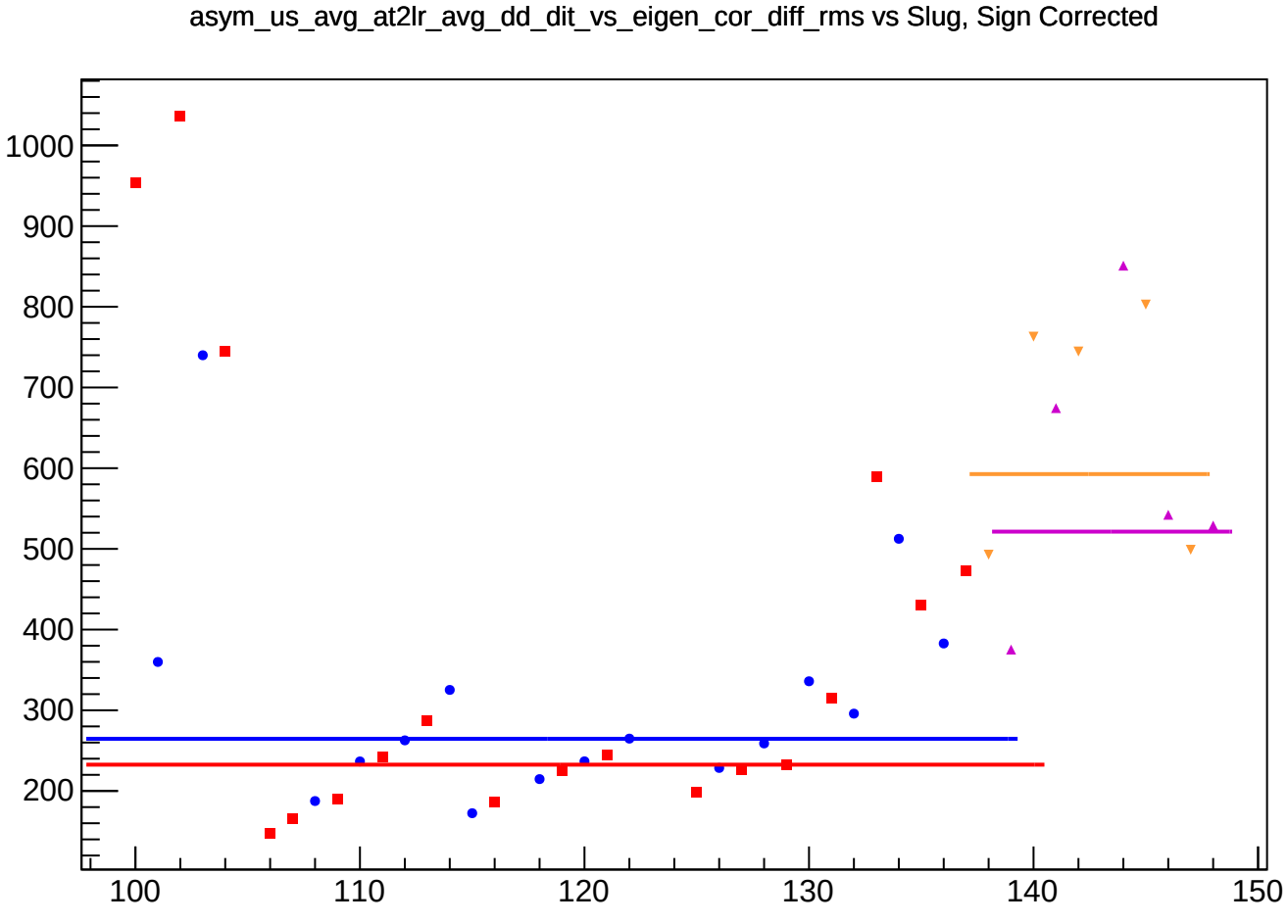
Left: 0.016+/-0.203 χ^2/NDF: 20.2/9

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.119+/-0.093 χ^2/NDF:31.6/22

All: -0.004+/-0.067 χ^2/NDF: 52.4/43



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 592.691+/-0.226 χ^2/NDF:344655.1/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 521.378+/-0.186 χ^2/NDF:590740.1/4

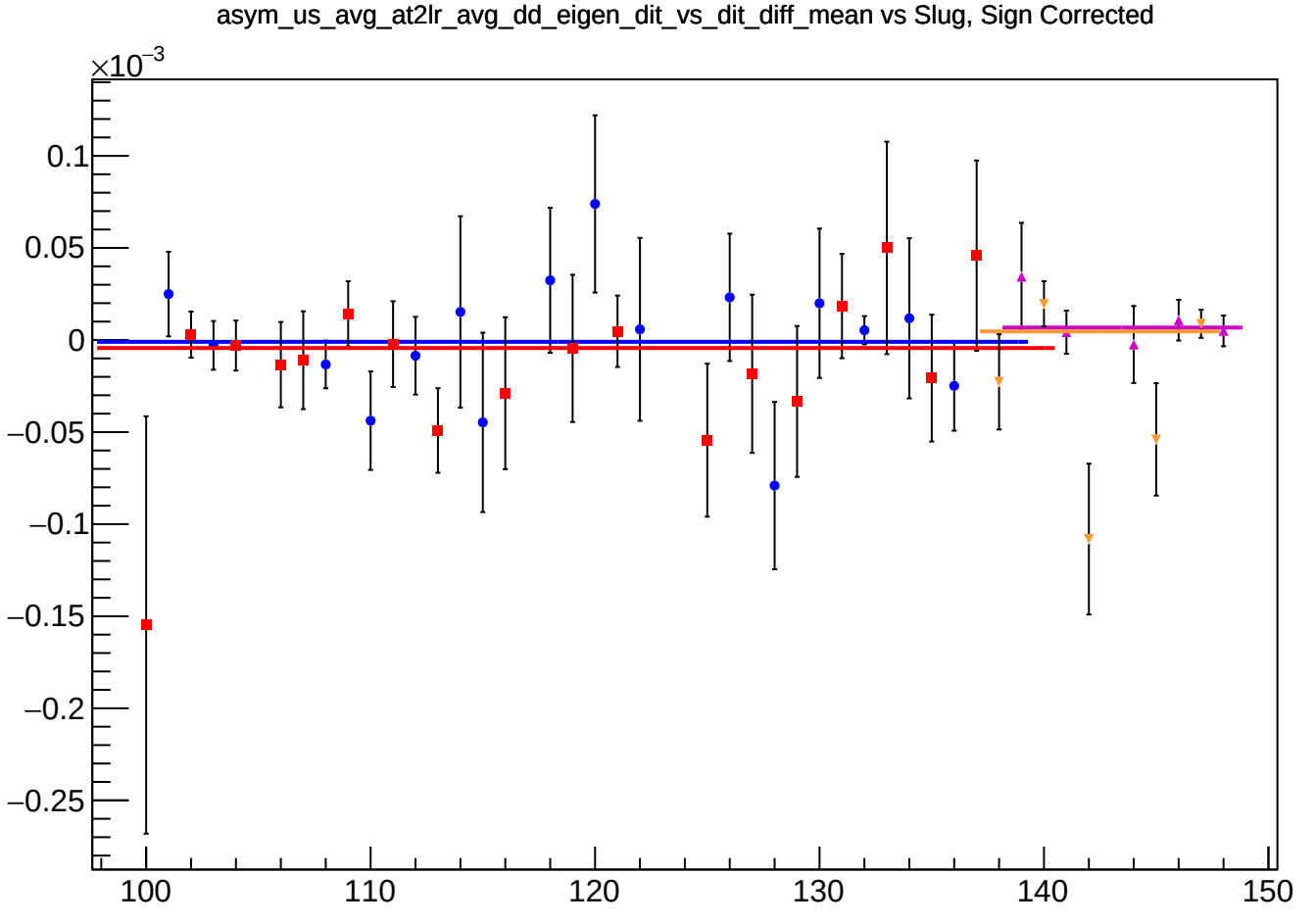
Left: 550.145+/-0.144 χ^2/NDF: 994733.6/9

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 300.016+/-0.069 χ^2/NDF:3518435.7/20

Out: 263.129+/-0.066 χ^2/NDF:4698279.1/22

All: 280.711+/-0.048 χ^2/NDF: 8366297.2/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

Left: 0.000+/-0.000 χ^2/NDF: 15.6/9

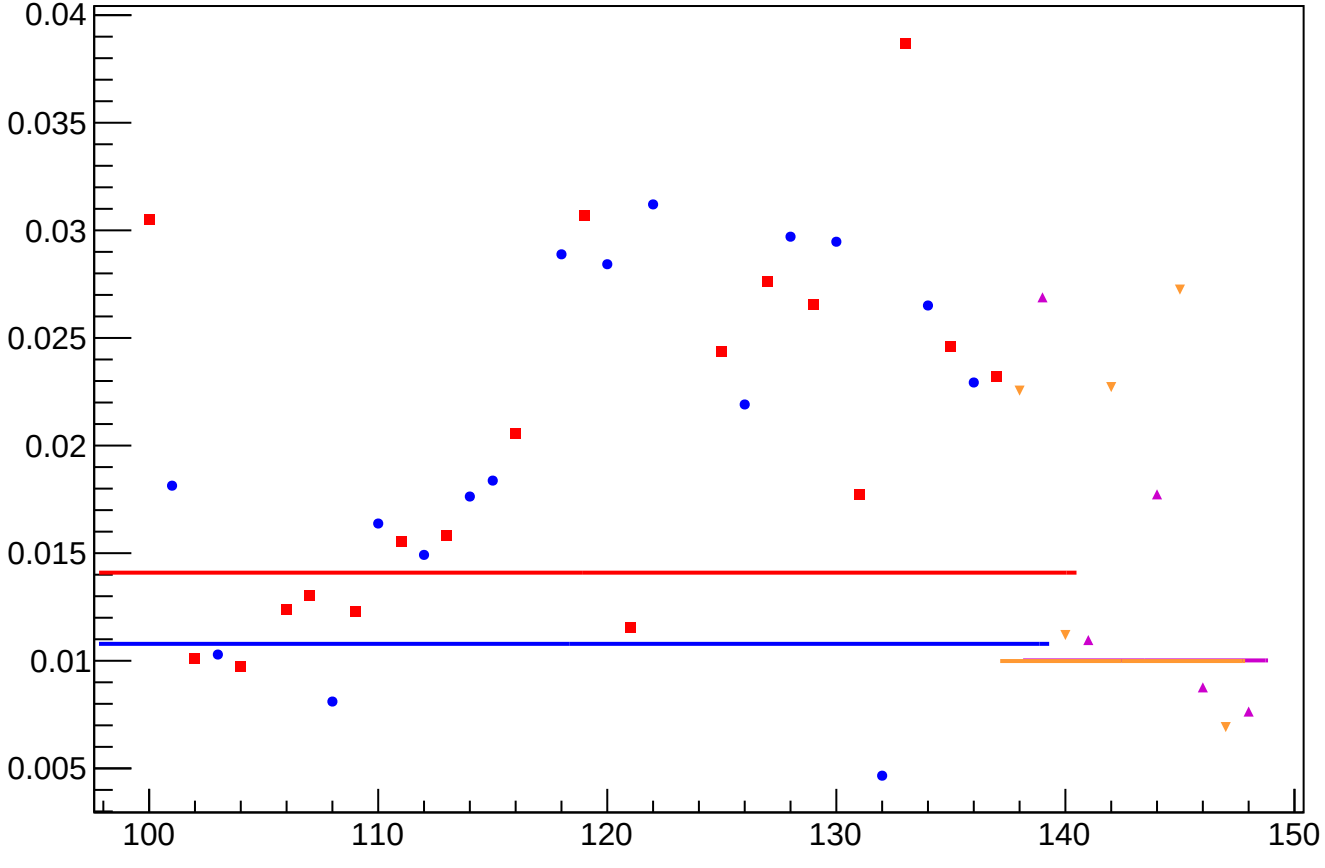
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:16.8/20

Out: -0.000+/-0.000 χ^2/NDF:27.9/22

All: 0.000+/-0.000 χ^2/NDF: 44.9/43

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: 0.010+/-0.000 χ^2/NDF:1648845.2/4

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:1137559.5/4

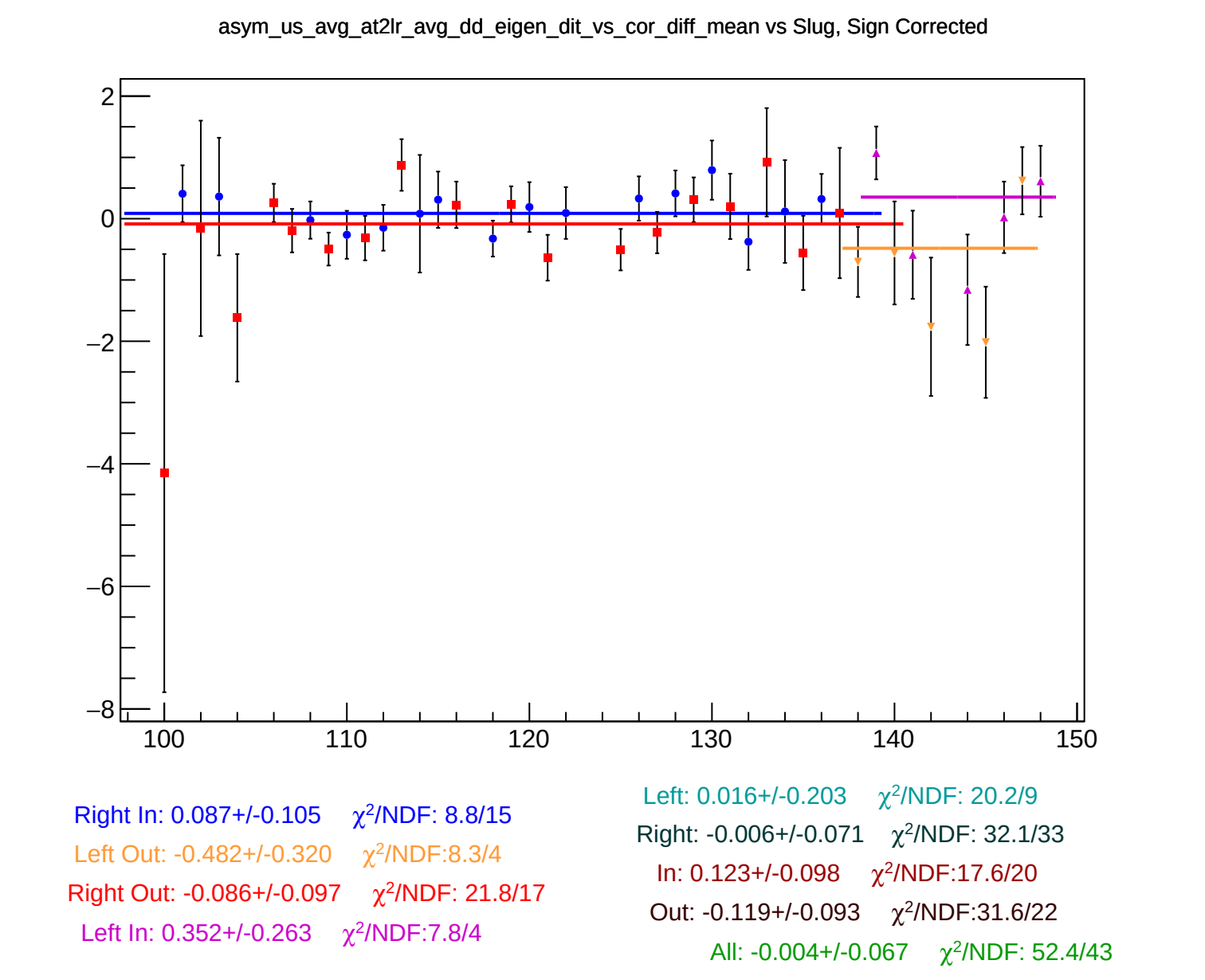
Left: 0.010+/-0.000 χ^2/NDF: 2786429.7/9

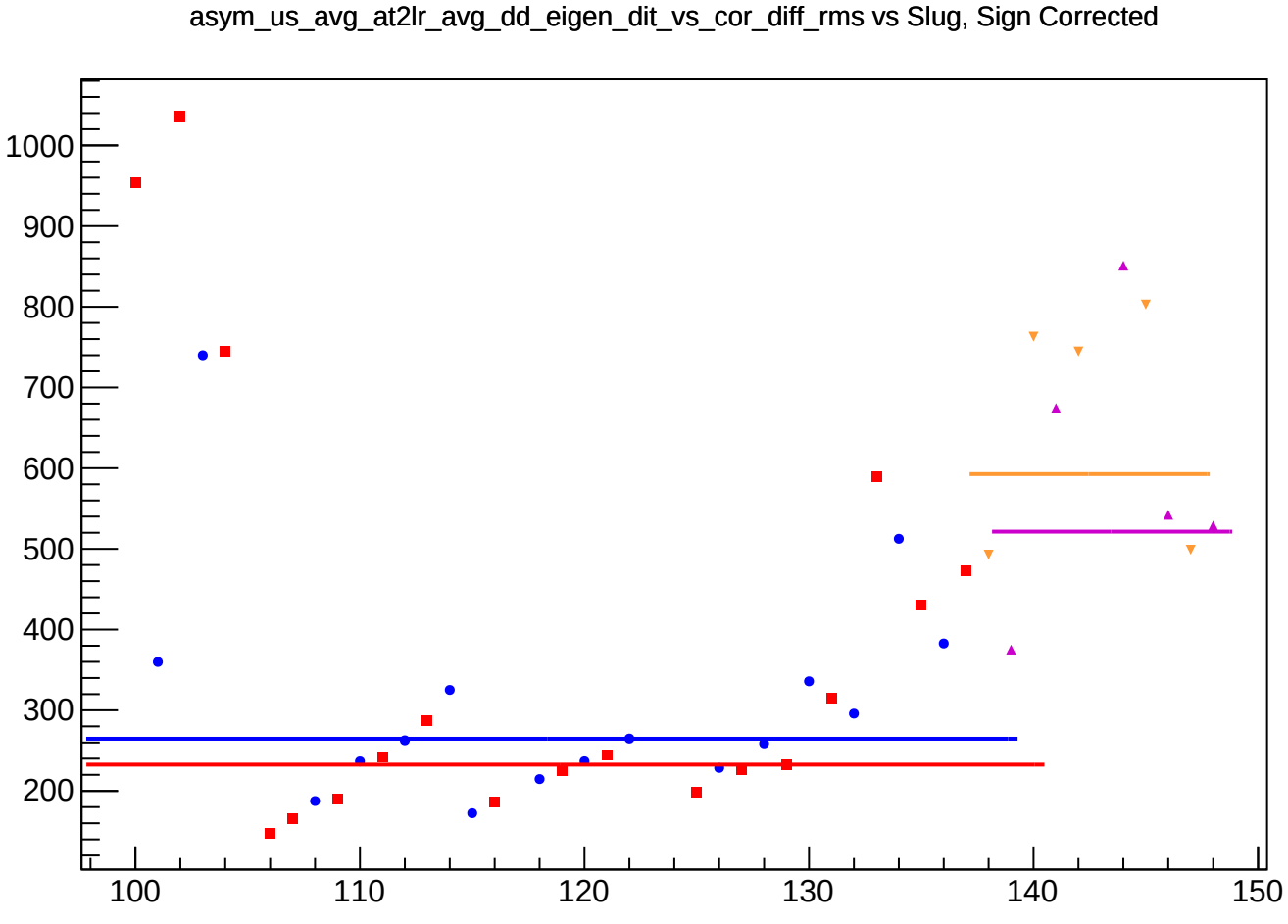
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:5739304.5/20

Out: 0.012+/-0.000 χ^2/NDF:4217436.4/22

All: 0.011+/-0.000 χ^2/NDF: 10148499.4/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.482+/-0.320 χ²/NDF:8.3/4
Right Out: -0.086+/-0.097 χ²/NDF: 21.8/17
Left In: 0.352+/-0.263 χ²/NDF:7.8/4
Left: 0.016+/-0.203 χ²/NDF: 20.2/9
Right: -0.006+/-0.071 χ²/NDF: 32.1/33
In: 0.123+/-0.098 χ²/NDF:17.6/20
Out: -0.119+/-0.093 χ²/NDF:31.6/22
All: -0.004+/-0.067 χ²/NDF: 52.4/43



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 592.697+/-0.226 χ^2/NDF:344657.9/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

Left: 550.153+/-0.144 χ^2/NDF: 994708.9/9

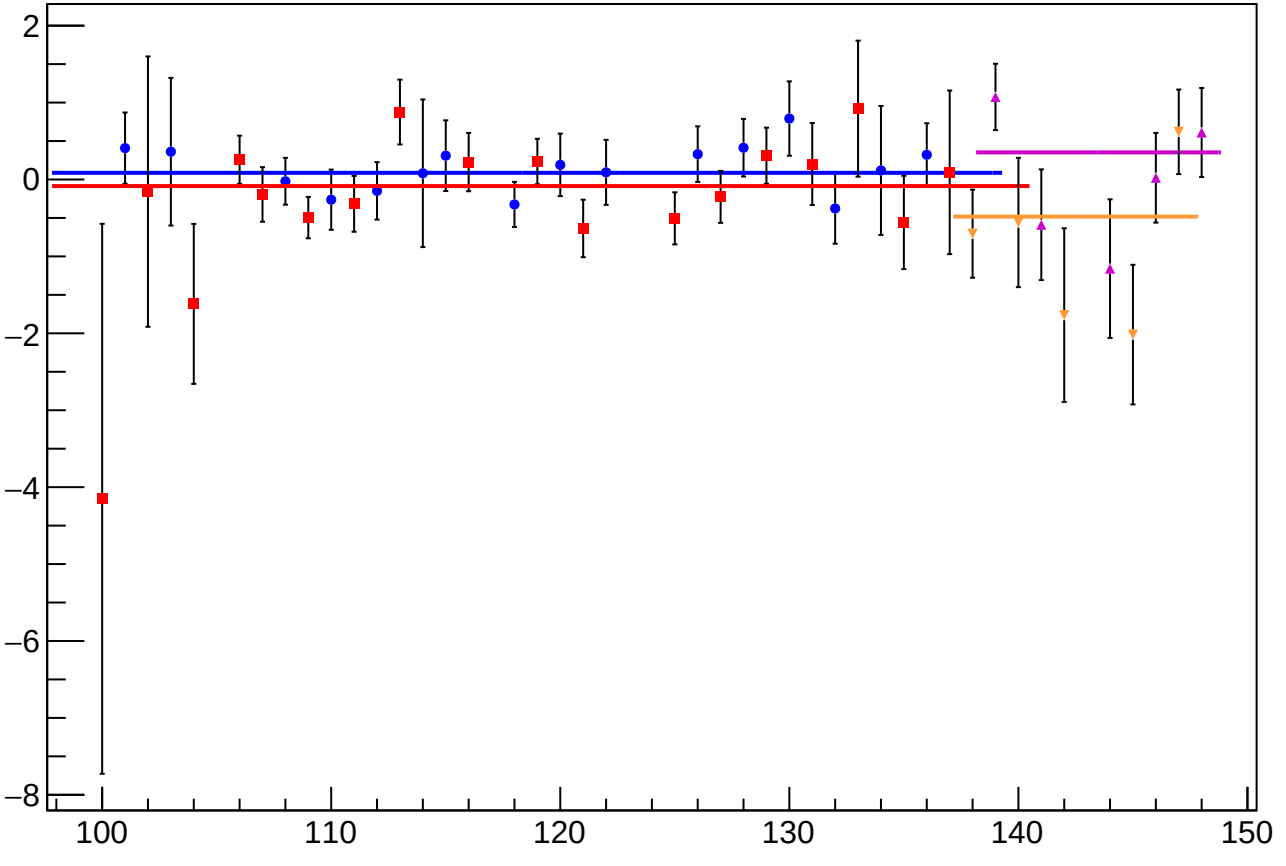
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 300.015+/-0.069 χ^2/NDF:3518450.8/20

Out: 263.130+/-0.066 χ^2/NDF:4698301.7/22

All: 280.711+/-0.048 χ^2/NDF: 8366328.9/43

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: -0.482+/-0.320 χ^2/NDF:8.3/4

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.352+/-0.263 χ^2/NDF:7.8/4

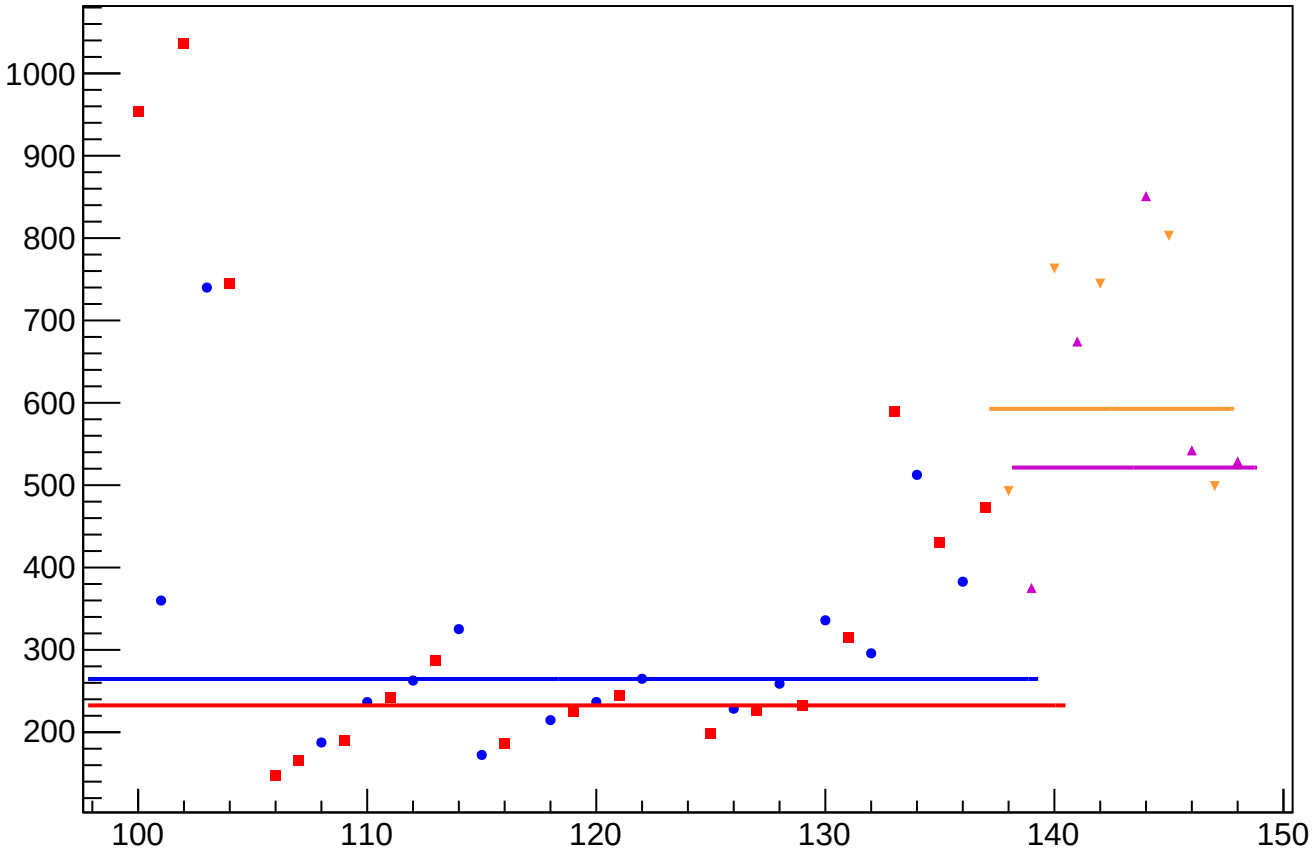
Left: 0.016+/-0.203 χ^2/NDF: 20.2/9

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.119+/-0.093 χ^2/NDF:31.6/22

All: -0.004+/-0.067 χ^2/NDF: 52.4/43



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 592.697+/-0.226 χ^2/NDF:344657.9/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

Left: 550.153+/-0.144 χ^2/NDF: 994708.9/9

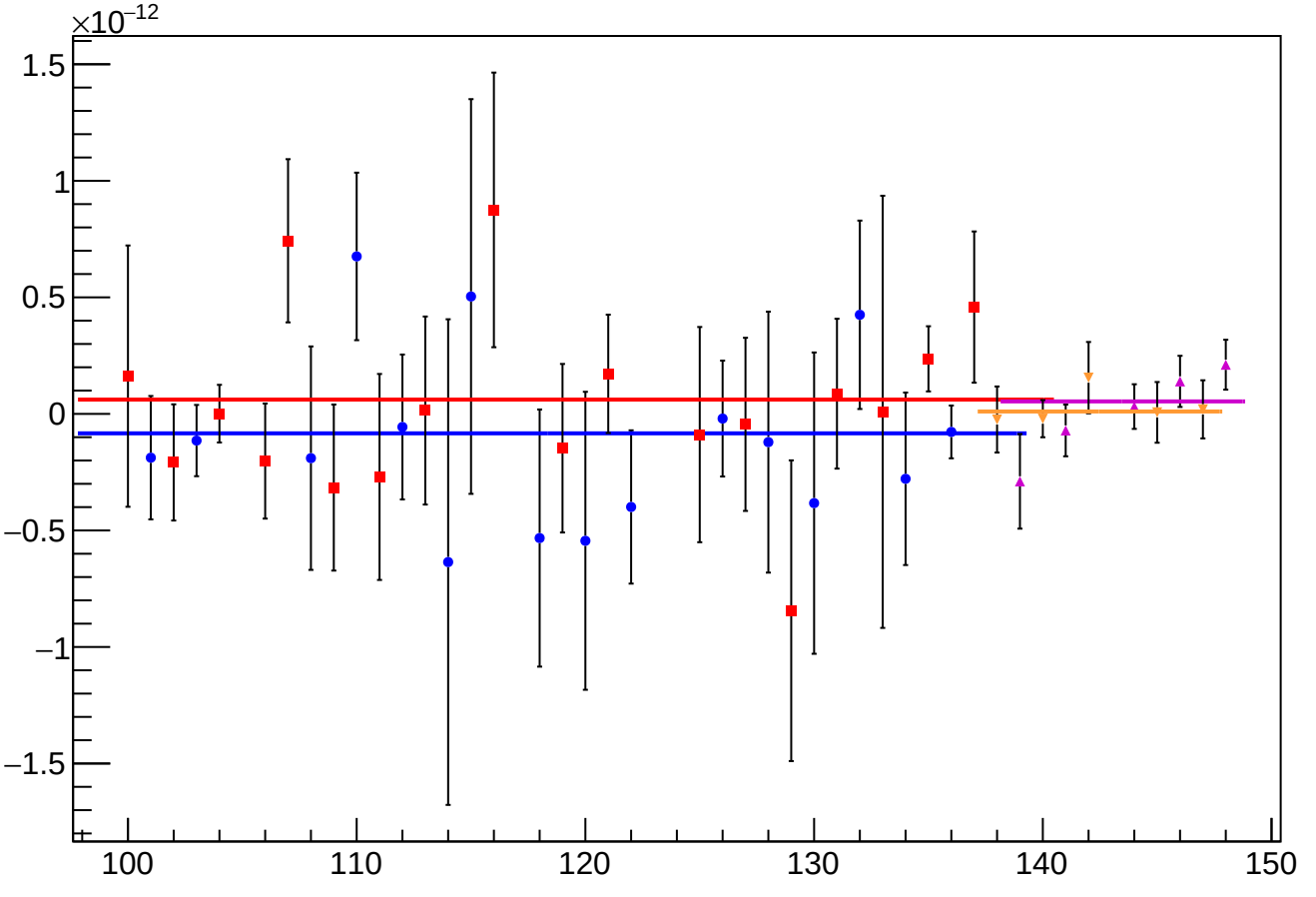
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 300.015+/-0.069 χ^2/NDF:3518450.8/20

Out: 263.130+/-0.066 χ^2/NDF:4698301.7/22

All: 280.711+/-0.048 χ^2/NDF: 8366328.9/43

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/4

Left: 0.000+/-0.000 χ^2/NDF: 8.4/9

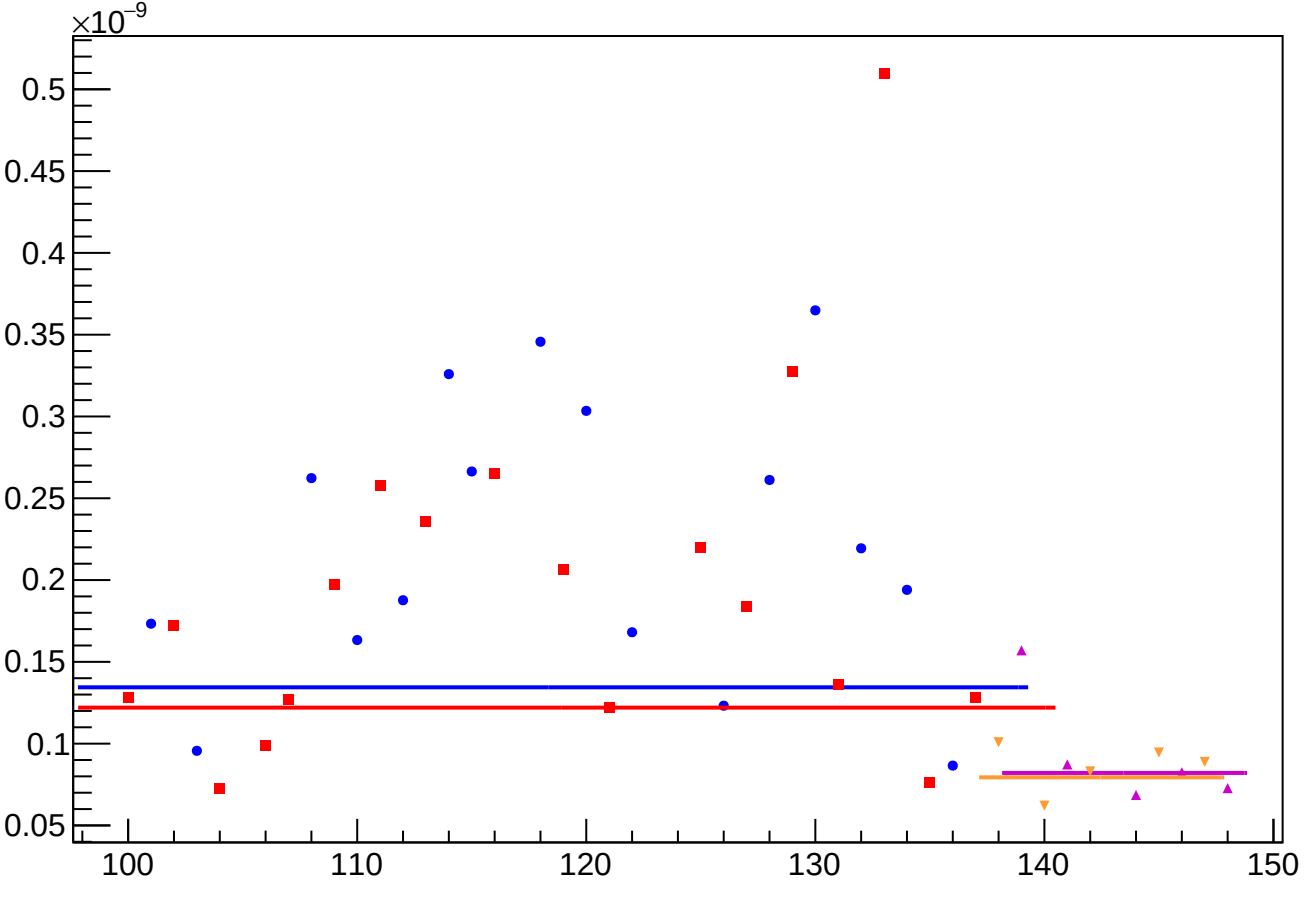
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:19.2/20

Out: 0.000+/-0.000 χ^2/NDF:17.2/22

All: 0.000+/-0.000 χ^2/NDF: 36.6/43

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:179788.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:331759.0/4

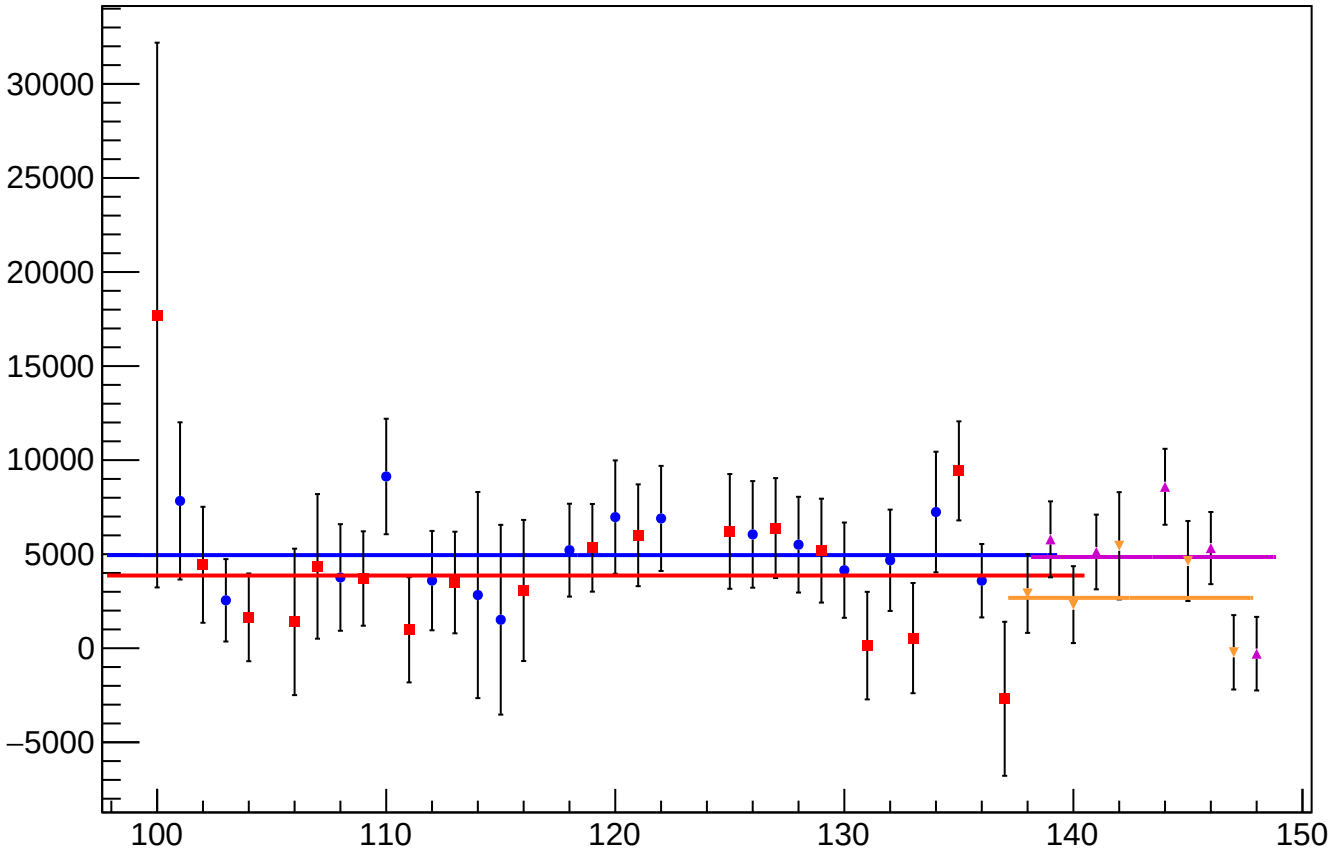
Left: 0.000+/-0.000 χ^2/NDF: 514290.6/9

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:2891517.9/20

Out: 0.000+/-0.000 χ^2/NDF:2714057.1/22

All: 0.000+/-0.000 χ^2/NDF: 5617598.5/43



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.245+/-967.899 χ^2/NDF:4.0/4

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4850.330+/-884.702 χ^2/NDF:10.6/4

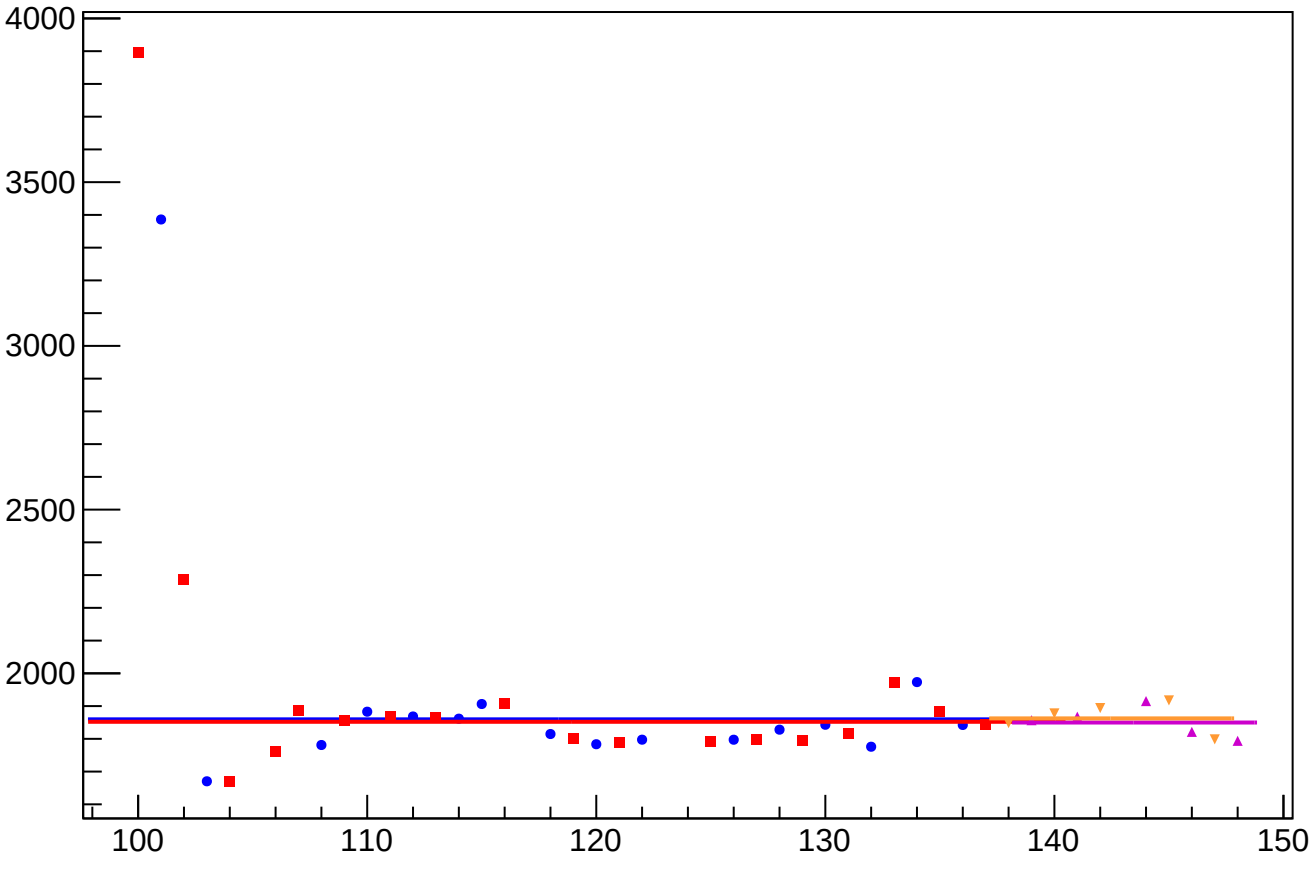
Left: 3861.181+/-653.014 χ^2/NDF: 17.3/9

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4911.896+/-548.436 χ^2/NDF:17.5/20

Out: 3460.430+/-564.956 χ^2/NDF:21.1/22

All: 4207.694+/-393.514 χ^2/NDF: 42.0/43



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

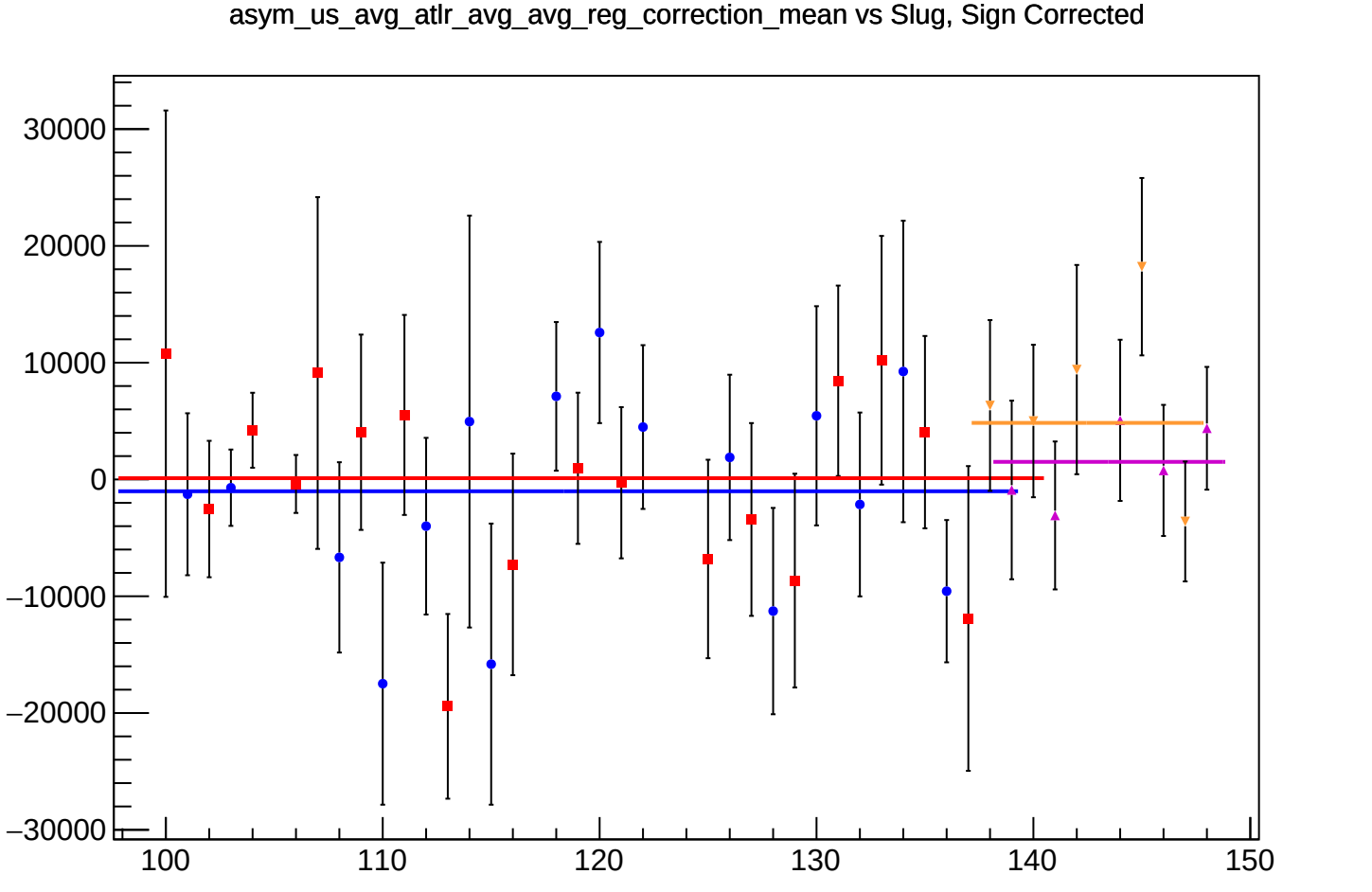
Left: 1855.560+/-0.462 χ^2/NDF: 8431.5/9

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1855.781+/-0.388 χ^2/NDF:296846.5/20

Out: 1855.588+/-0.399 χ^2/NDF:106246.4/22

All: 1855.687+/-0.278 χ^2/NDF: 403093.0/43



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4844.027+/-3016.410 χ^2/NDF:6.1/4

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1506.761+/-2763.288 χ^2/NDF:1.2/4

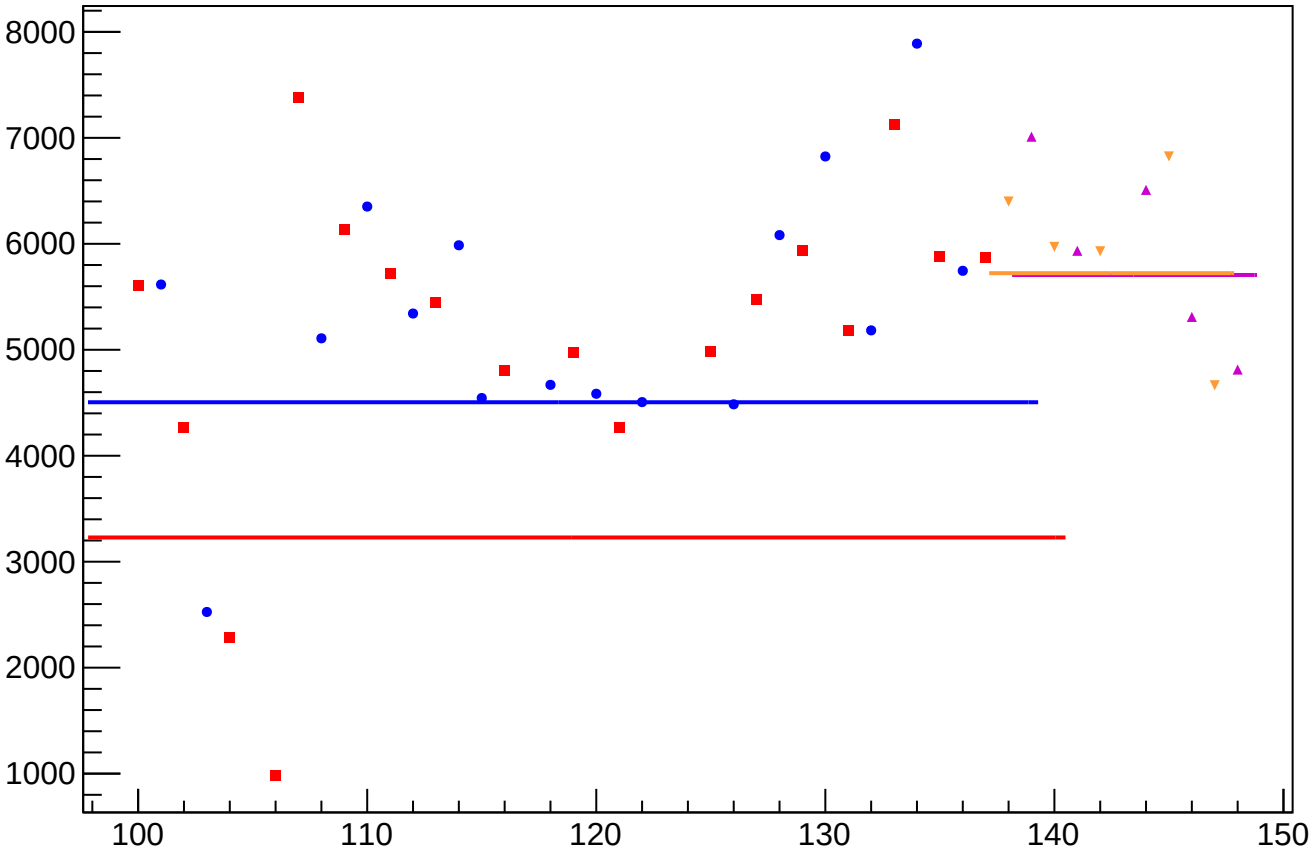
Left: 3029.519+/-2037.559 χ^2/NDF: 8.0/9

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -281.424+/-1486.974 χ^2/NDF:16.5/20

Out: 988.194+/-1298.422 χ^2/NDF:22.7/22

All: 438.937+/-978.035 χ^2/NDF: 39.7/43



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5722.980+/-2.133 χ^2/NDF:148081.8/4

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5705.856+/-1.954 χ^2/NDF:155621.7/4

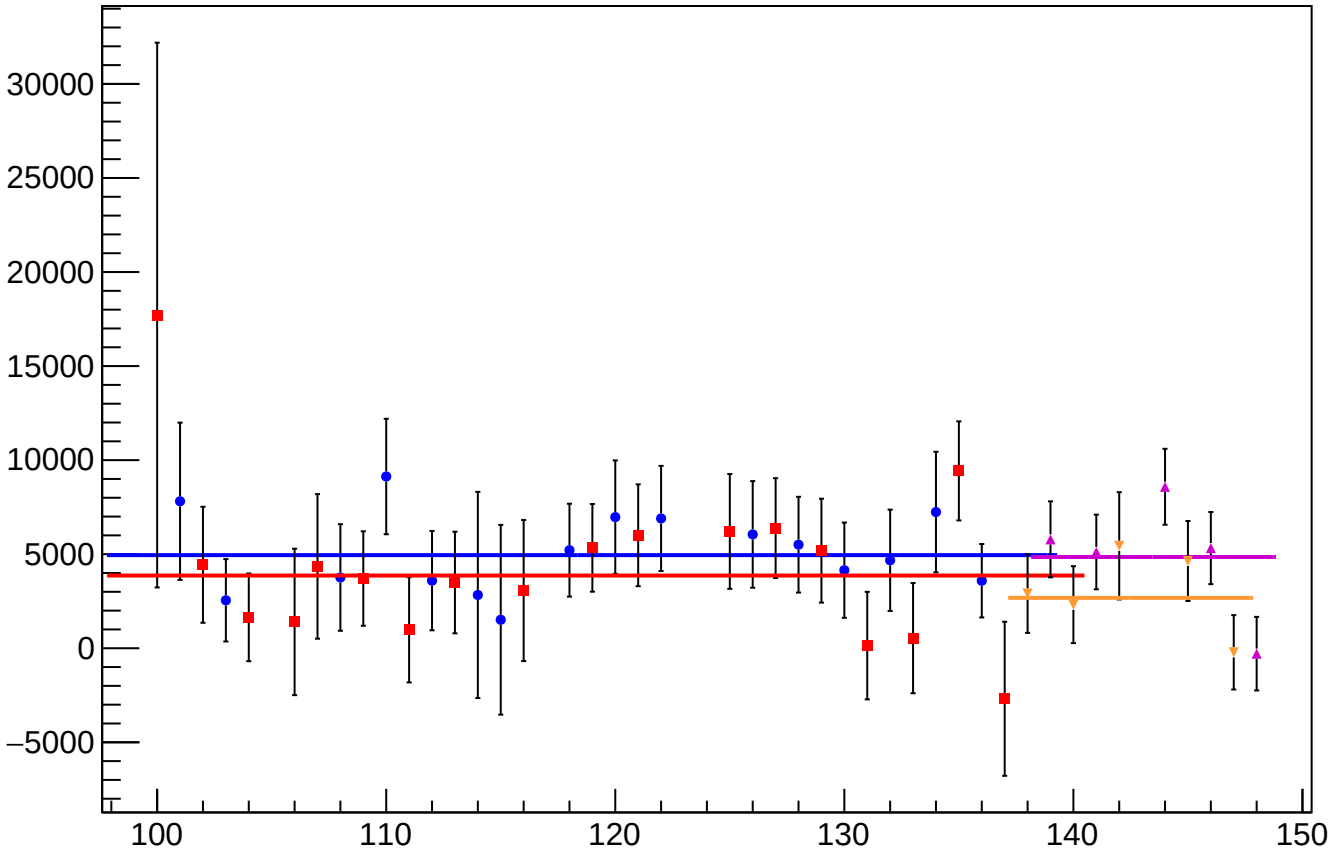
Left: 5713.669+/-1.441 χ^2/NDF: 303738.5/9

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4852.582+/-1.051 χ^2/NDF:1745158.0/20

Out: 3690.787+/-0.918 χ^2/NDF:5218712.0/22

All: 4193.398+/-0.692 χ^2/NDF: 7656592.6/43



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.234+/-967.899 χ^2/NDF:4.0/4

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4850.656+/-884.702 χ^2/NDF:10.6/4

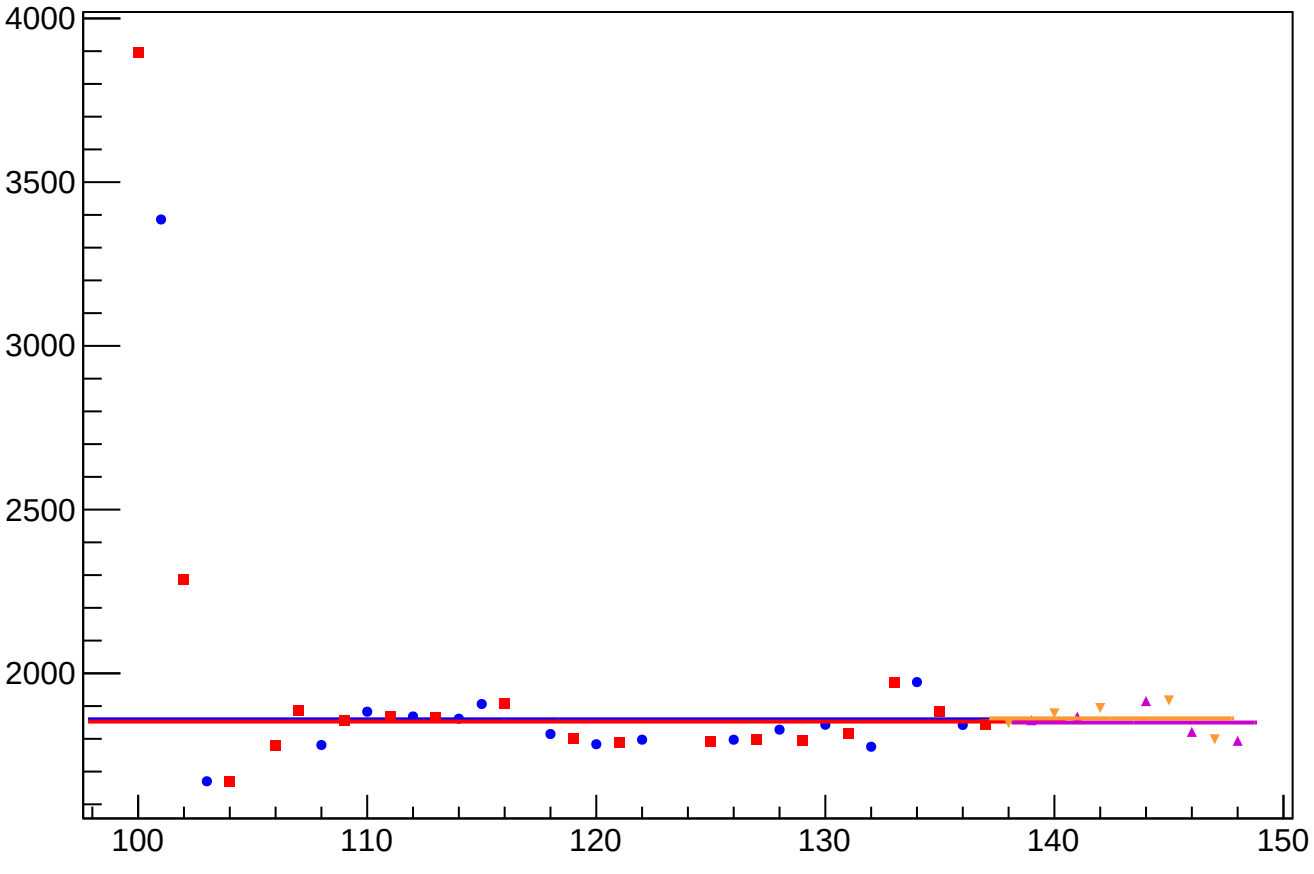
Left: 3861.353+/-653.014 χ^2/NDF: 17.3/9

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4911.724+/-548.436 χ^2/NDF:17.5/20

Out: 3460.284+/-564.956 χ^2/NDF:21.1/22

All: 4207.535+/-393.514 χ^2/NDF: 42.0/43



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1849.806+/-0.626 χ^2/NDF:4363.8/4

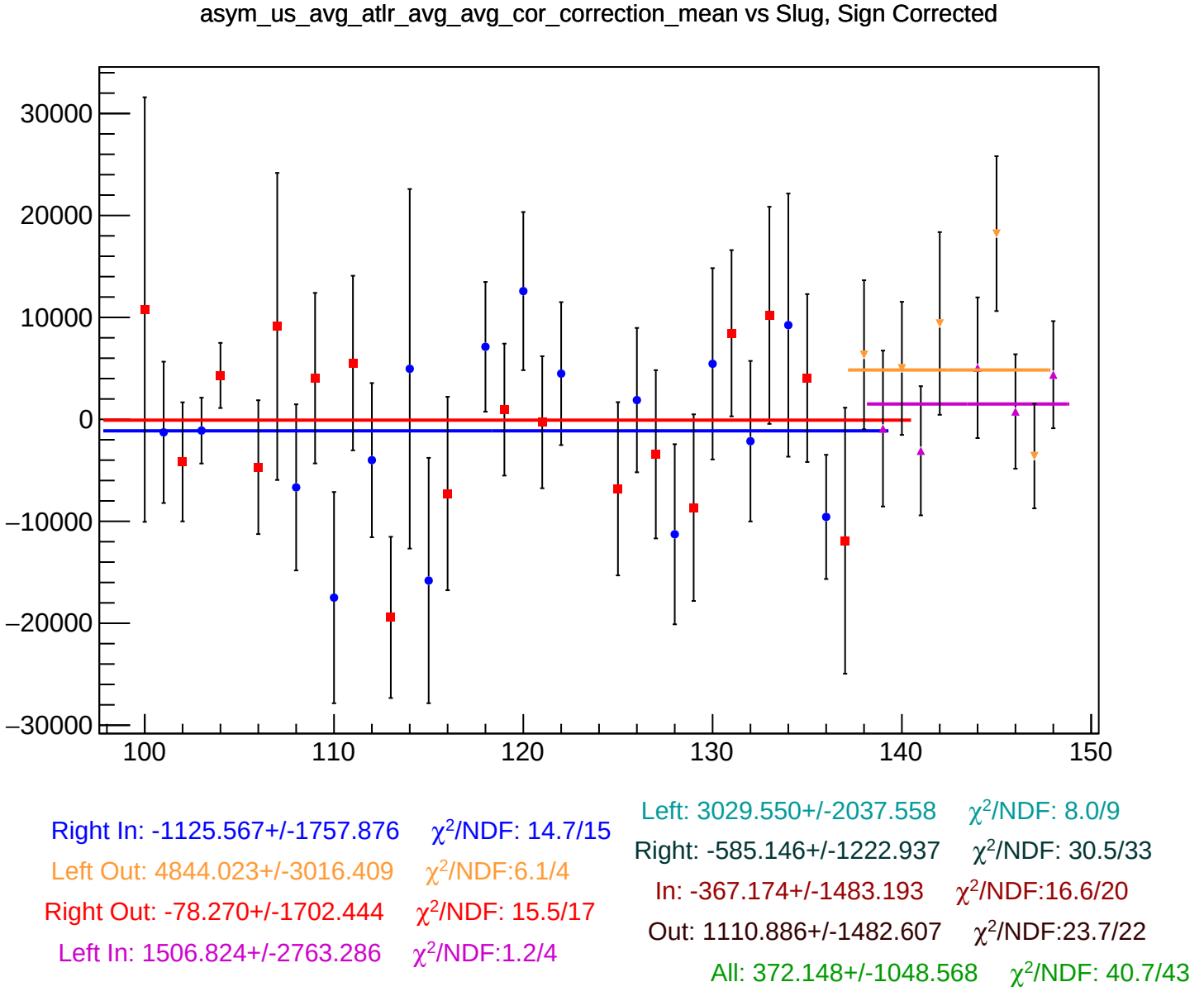
Left: 1855.560+/-0.462 χ^2/NDF: 8431.4/9

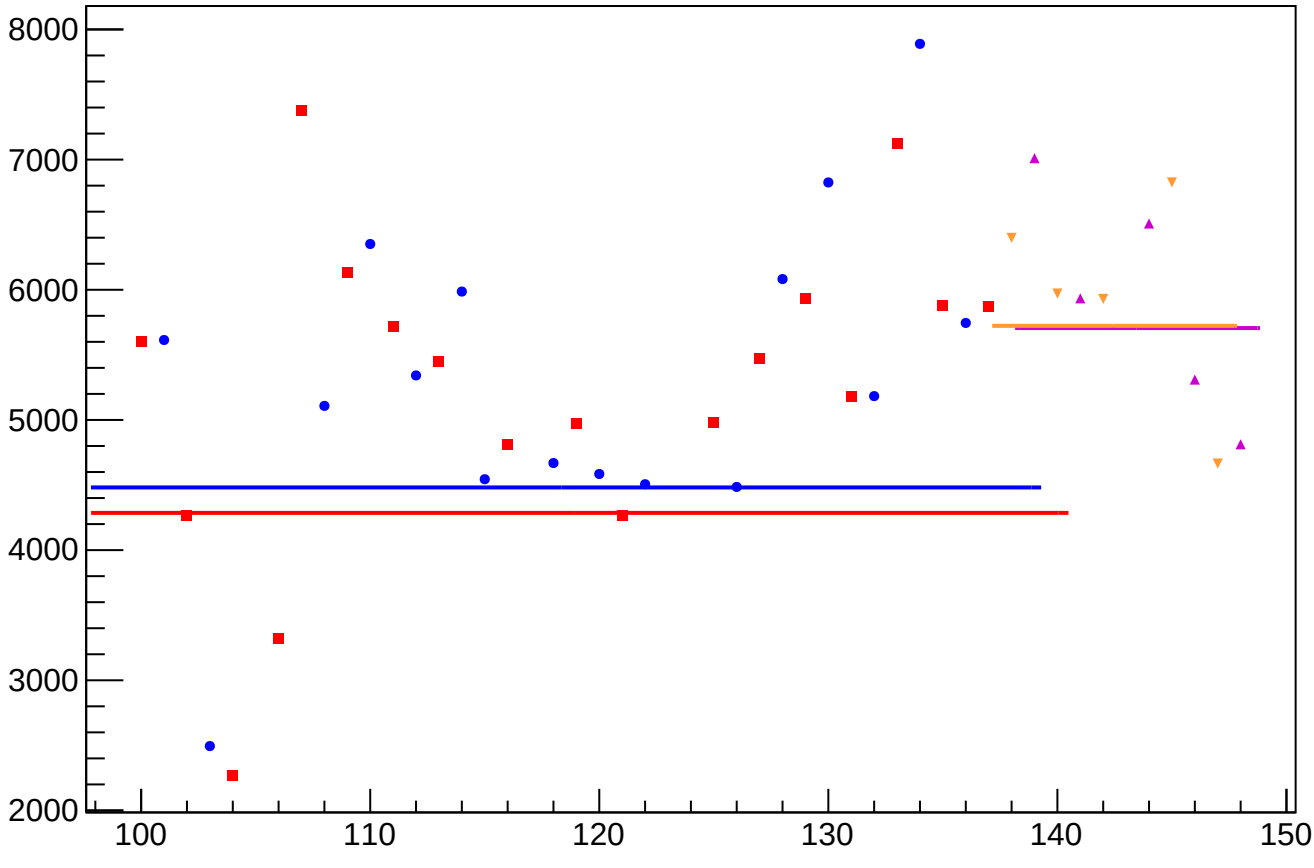
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1855.781+/-0.388 χ^2/NDF:296848.4/20

Out: 1856.055+/-0.399 χ^2/NDF:105764.4/22

All: 1855.914+/-0.278 χ^2/NDF: 402613.0/43


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 4844.023+/-3016.409 χ²/NDF:6.1/4
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 1506.824+/-2763.286 χ²/NDF:1.2/4
Left: 3029.550+/-2037.558 χ²/NDF: 8.0/9
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -367.174+/-1483.193 χ²/NDF:16.6/20
Out: 1110.886+/-1482.607 χ²/NDF:23.7/22
All: 372.148+/-1048.568 χ²/NDF: 40.7/43



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5722.979+/-2.133 χ^2/NDF:148077.4/4

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

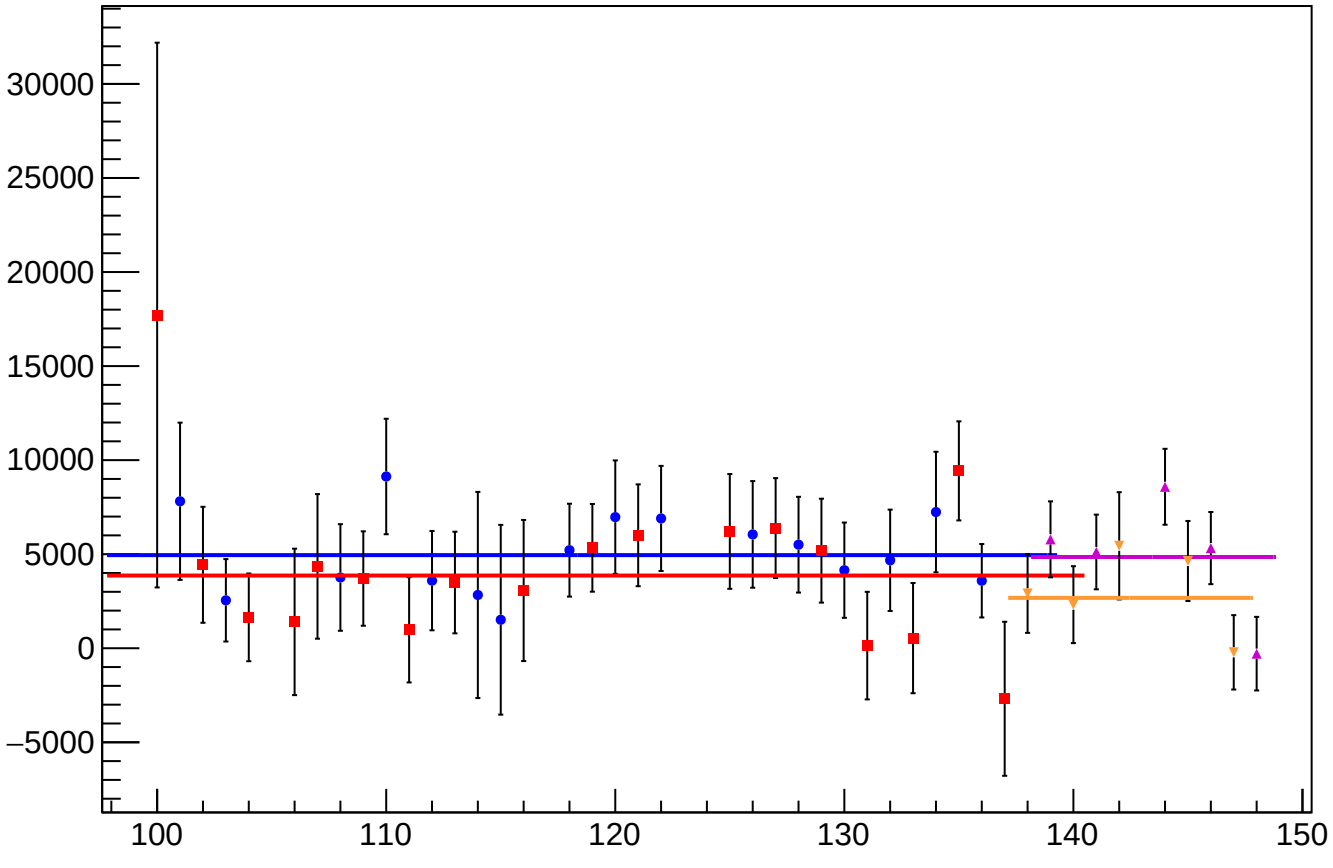
Left: 5713.666+/-1.441 χ^2/NDF: 303736.0/9

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4834.249+/-1.049 χ^2/NDF:1797387.4/20

Out: 4633.249+/-1.048 χ^2/NDF:2042106.7/22

All: 4733.709+/-0.741 χ^2/NDF: 3857866.6/43



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.234+/-967.899 χ^2/NDF:4.0/4

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4850.656+/-884.702 χ^2/NDF:10.6/4

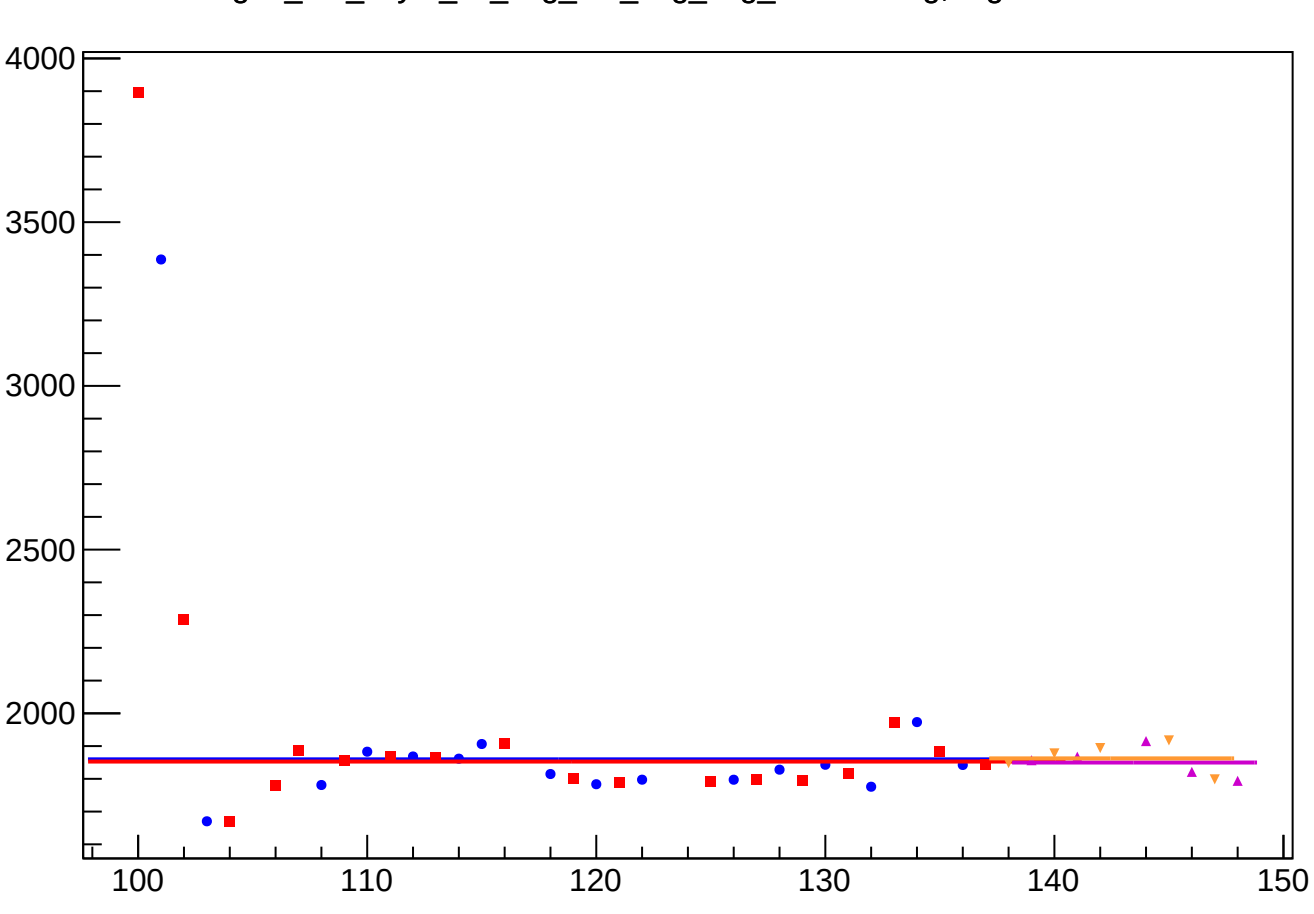
Left: 3861.353+/-653.014 χ^2/NDF: 17.3/9

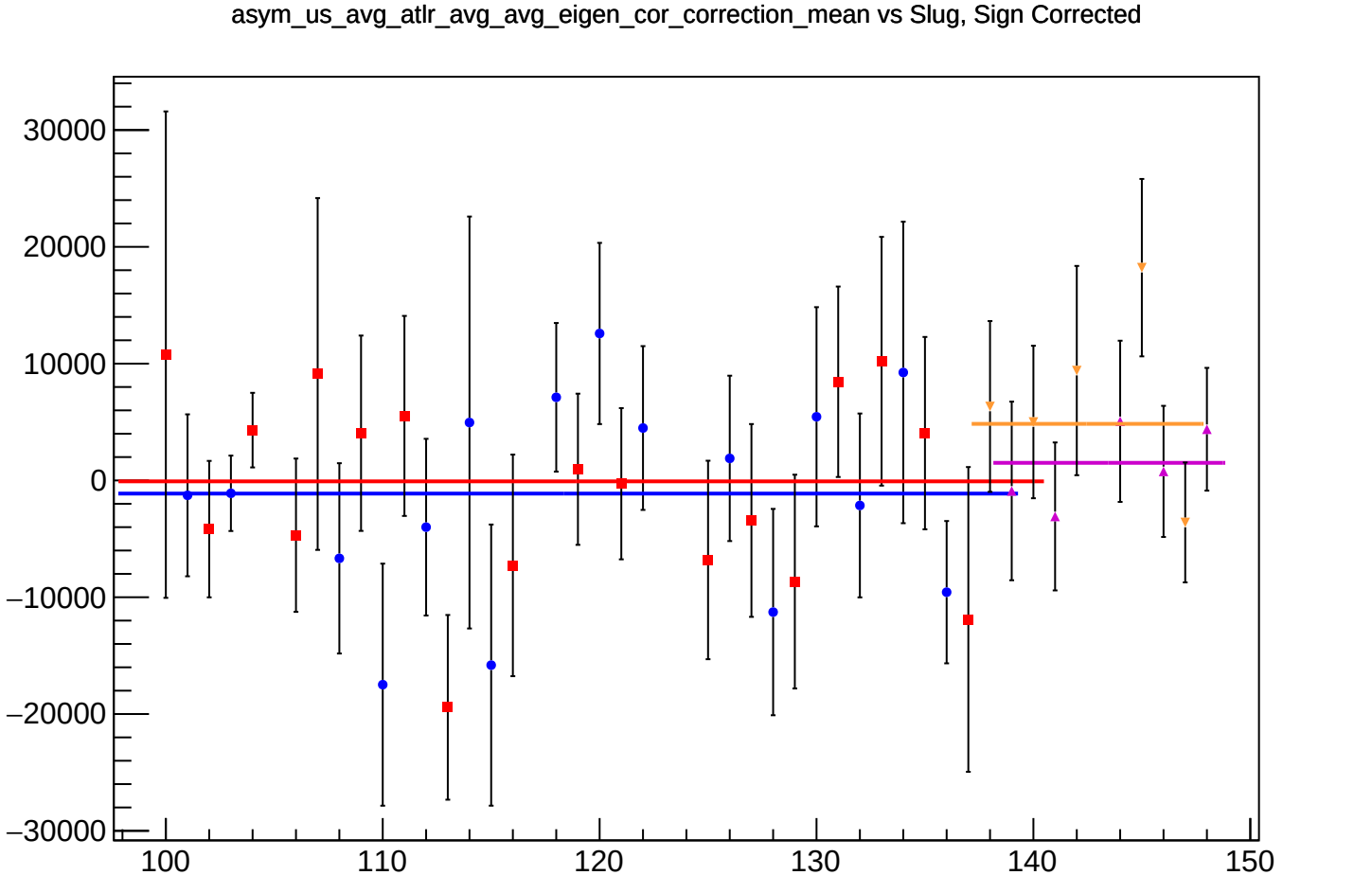
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4911.724+/-548.436 χ^2/NDF:17.5/20

Out: 3460.284+/-564.956 χ^2/NDF:21.1/22

All: 4207.535+/-393.514 χ^2/NDF: 42.0/43


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1862.447+/-0.684 χ²/NDF:3881.8/4
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1849.806+/-0.626 χ²/NDF:4363.8/4
Left: 1855.560+/-0.462 χ²/NDF: 8431.4/9
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1855.781+/-0.388 χ²/NDF:296848.4/20
Out: 1856.055+/-0.399 χ²/NDF:105764.4/22
All: 1855.914+/-0.278 χ²/NDF: 402613.0/43



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4844.023+/-3016.409 χ^2/NDF:6.1/4

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1506.824+/-2763.286 χ^2/NDF:1.2/4

Left: 3029.550+/-2037.558 χ^2/NDF: 8.0/9

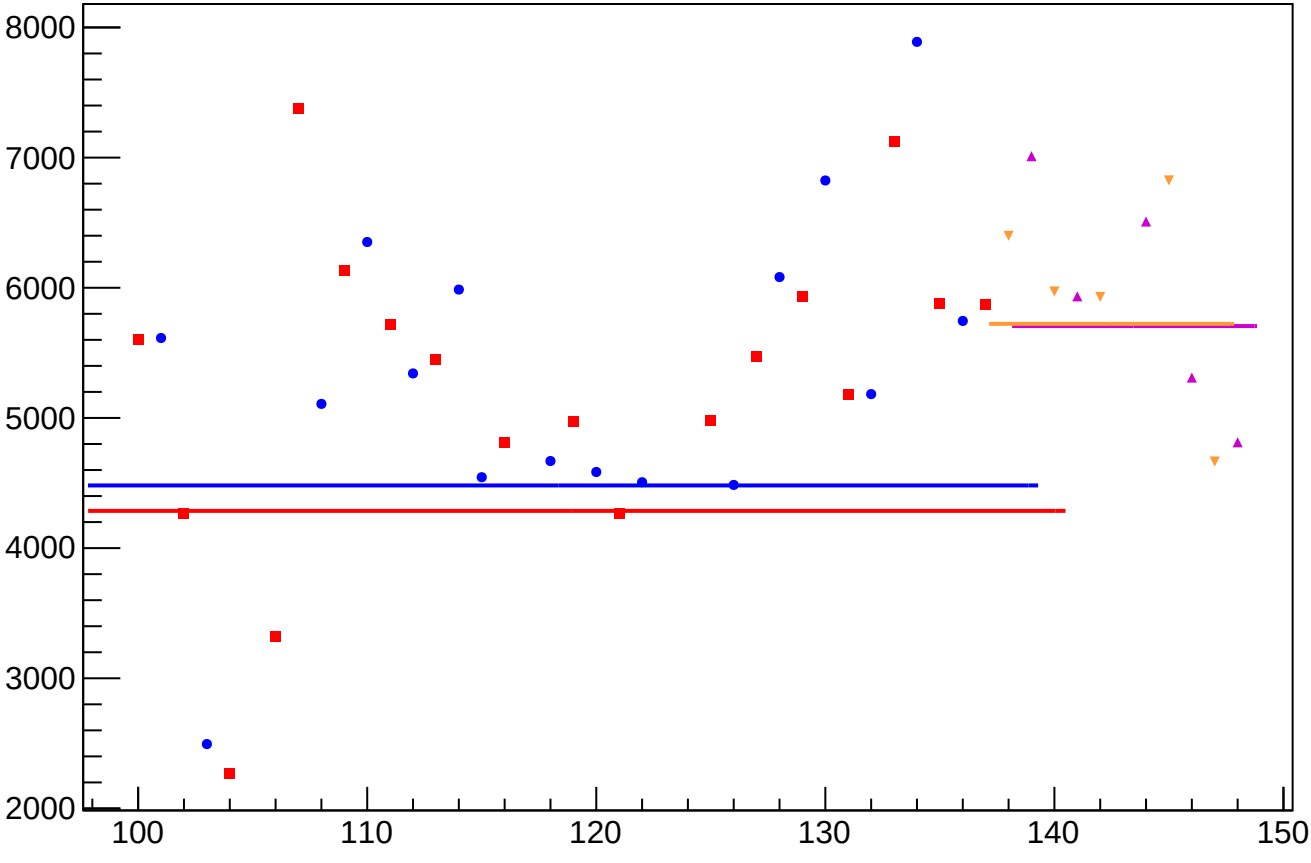
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -367.174+/-1483.193 χ^2/NDF:16.6/20

Out: 1110.886+/-1482.607 χ^2/NDF:23.7/22

All: 372.148+/-1048.568 χ^2/NDF: 40.7/43

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: 5722.979+/-2.133 χ^2/NDF:148077.4/4

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

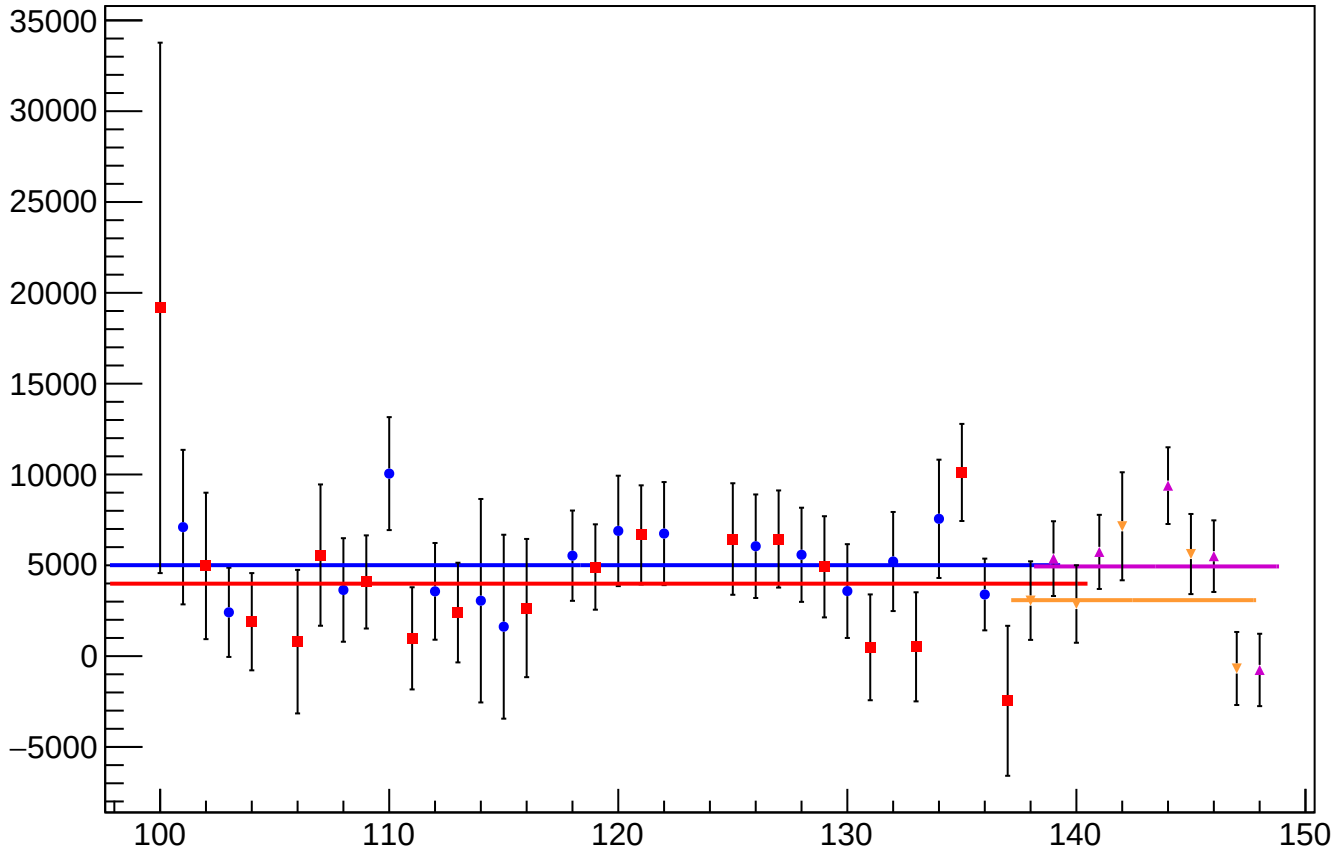
Left: 5713.666+/-1.441 χ^2/NDF: 303736.0/9

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4834.249+/-1.049 χ^2/NDF:1797387.4/20

Out: 4633.249+/-1.048 χ^2/NDF:2042106.7/22

All: 4733.709+/-0.741 χ^2/NDF: 3857866.6/43



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3081.021+/-1000.147 χ^2/NDF:6.7/4

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4937.998+/-909.213 χ^2/NDF:12.9/4

Left: 4097.749+/-672.767 χ^2/NDF: 21.5/9

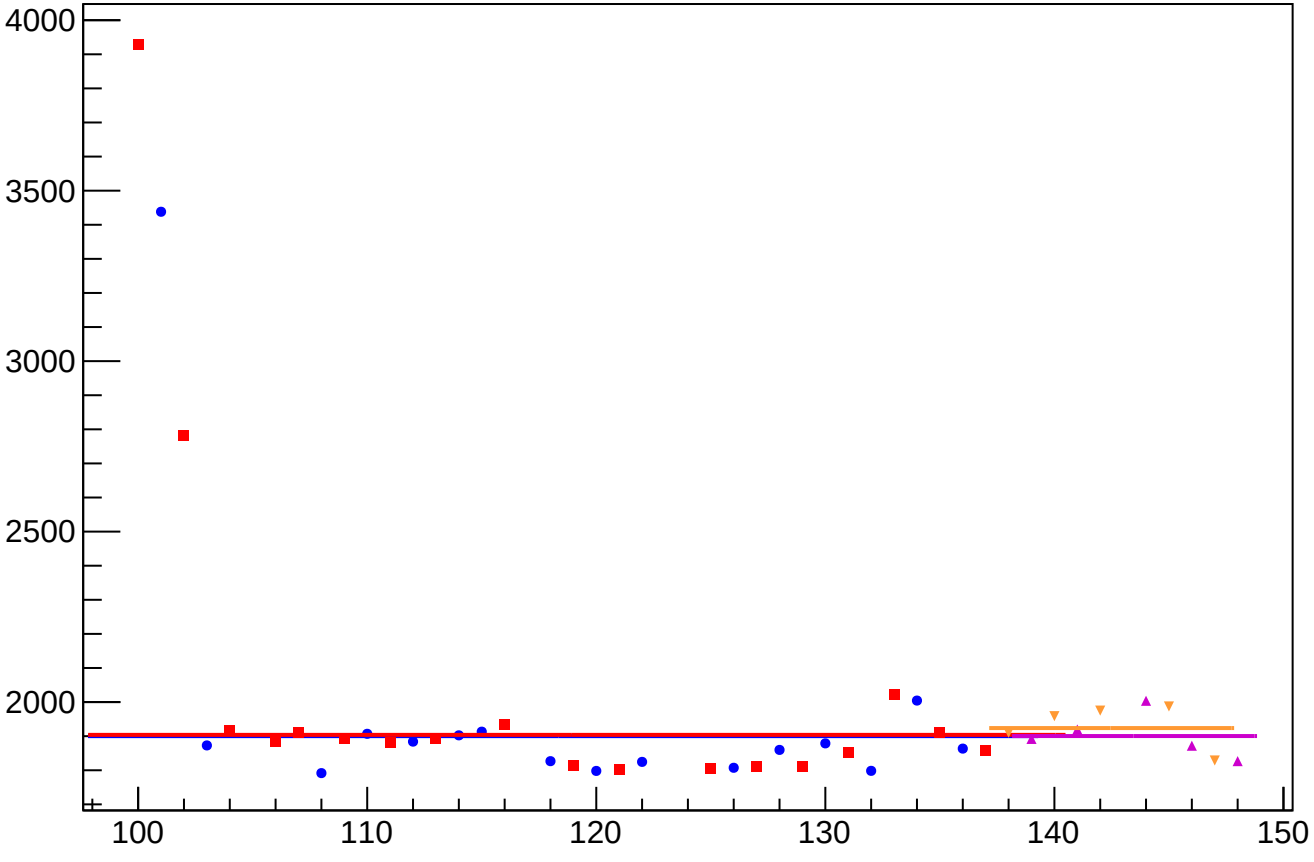
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4980.871+/-561.576 χ^2/NDF:20.6/20

Out: 3679.746+/-583.812 χ^2/NDF:24.6/22

All: 4355.559+/-404.727 χ^2/NDF: 47.8/43

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1923.762+/-0.707 χ^2/NDF:7334.6/4

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1900.369+/-0.643 χ^2/NDF:8151.5/4

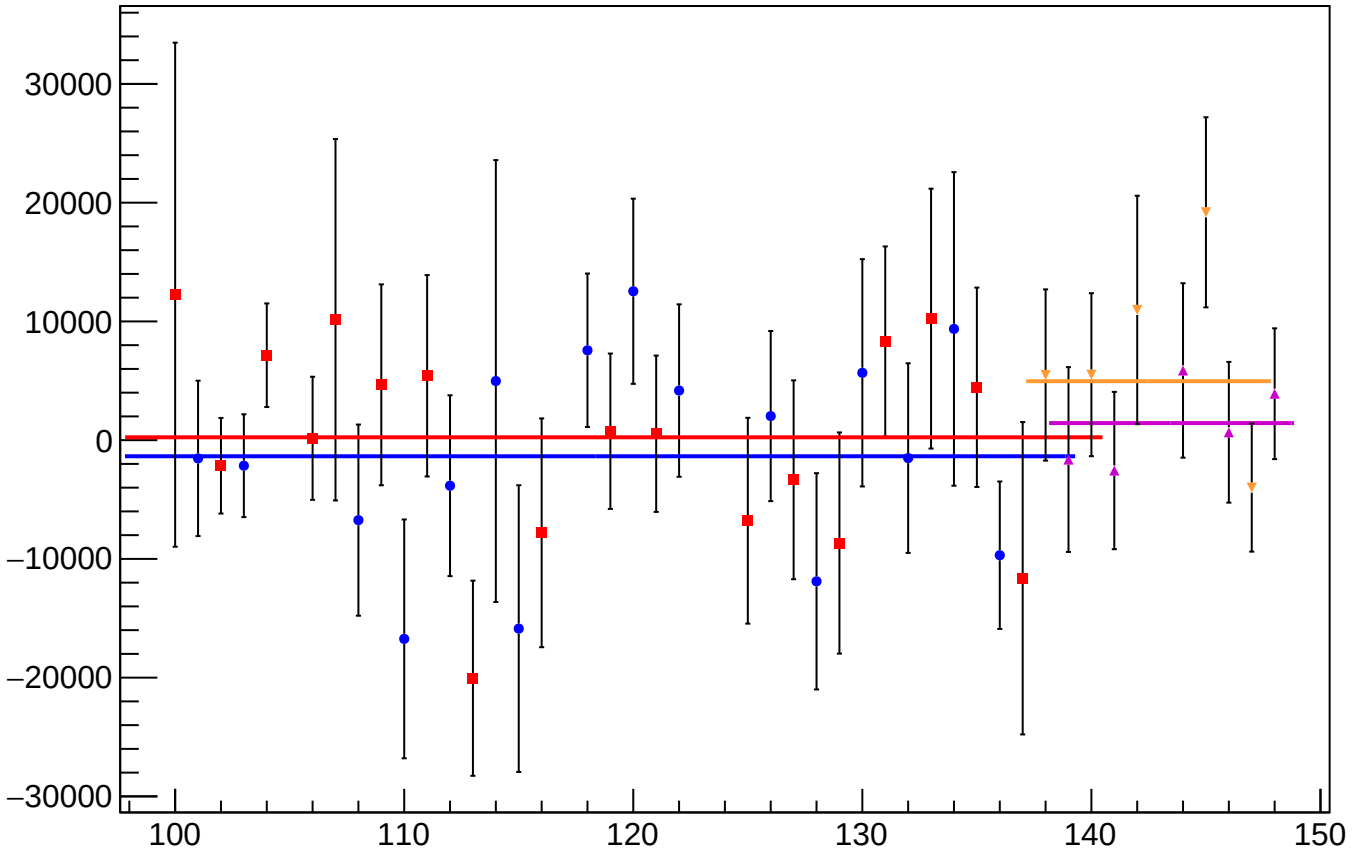
Left: 1910.954+/-0.476 χ^2/NDF: 16085.1/9

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1900.210+/-0.397 χ^2/NDF:286599.8/20

Out: 1910.610+/-0.413 χ^2/NDF:157974.6/22

All: 1905.212+/-0.286 χ^2/NDF: 444904.3/43



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 4965.624+/-3141.802 χ^2/NDF:6.3/4

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1437.634+/-2895.500 χ^2/NDF:1.1/4

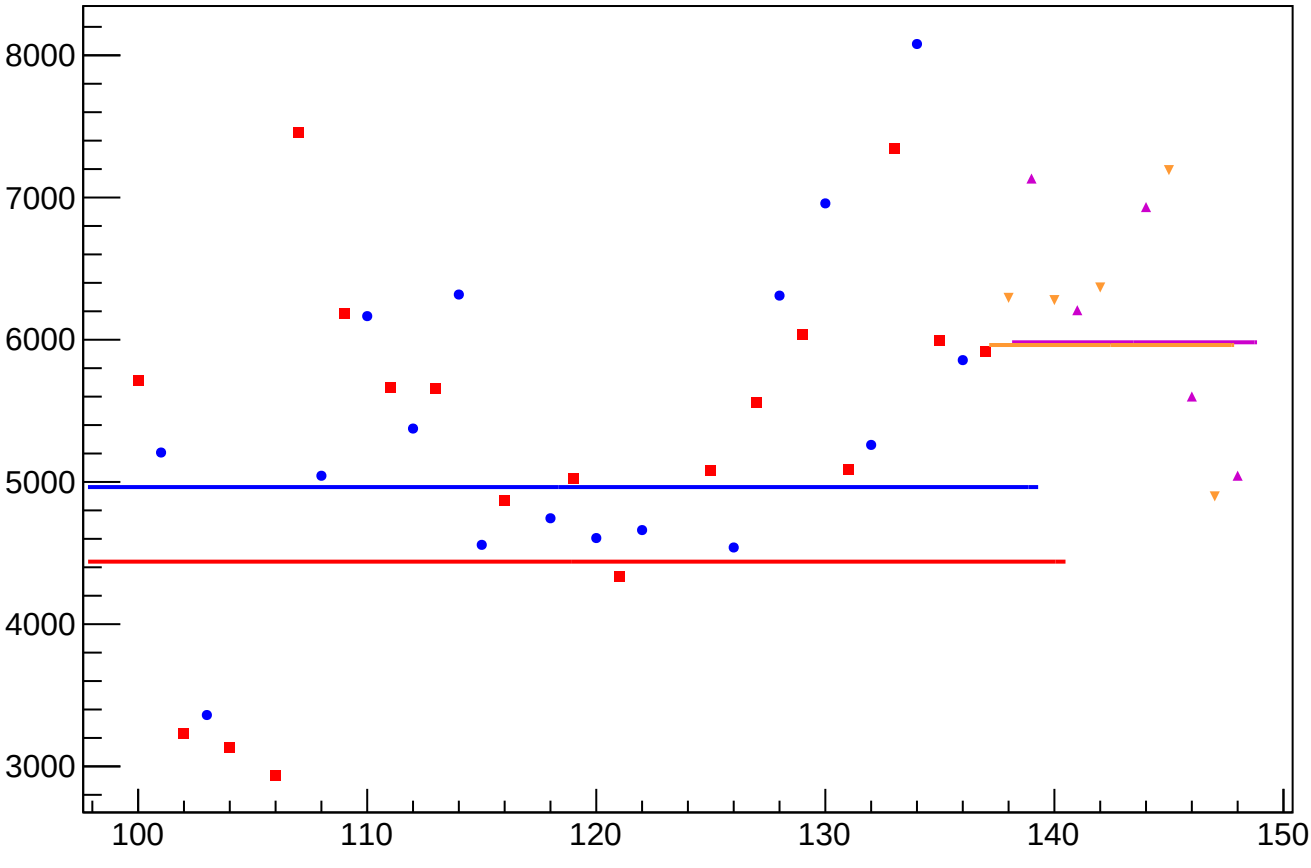
Left: 3057.937+/-2129.185 χ^2/NDF: 8.1/9

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -518.067+/-1586.188 χ^2/NDF:16.5/20

Out: 1323.468+/-1503.762 χ^2/NDF:23.8/22

All: 451.790+/-1091.297 χ^2/NDF: 41.0/43



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5962.952+/-2.222 χ^2/NDF:137214.8/4

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5981.986+/-2.047 χ^2/NDF:145931.0/4

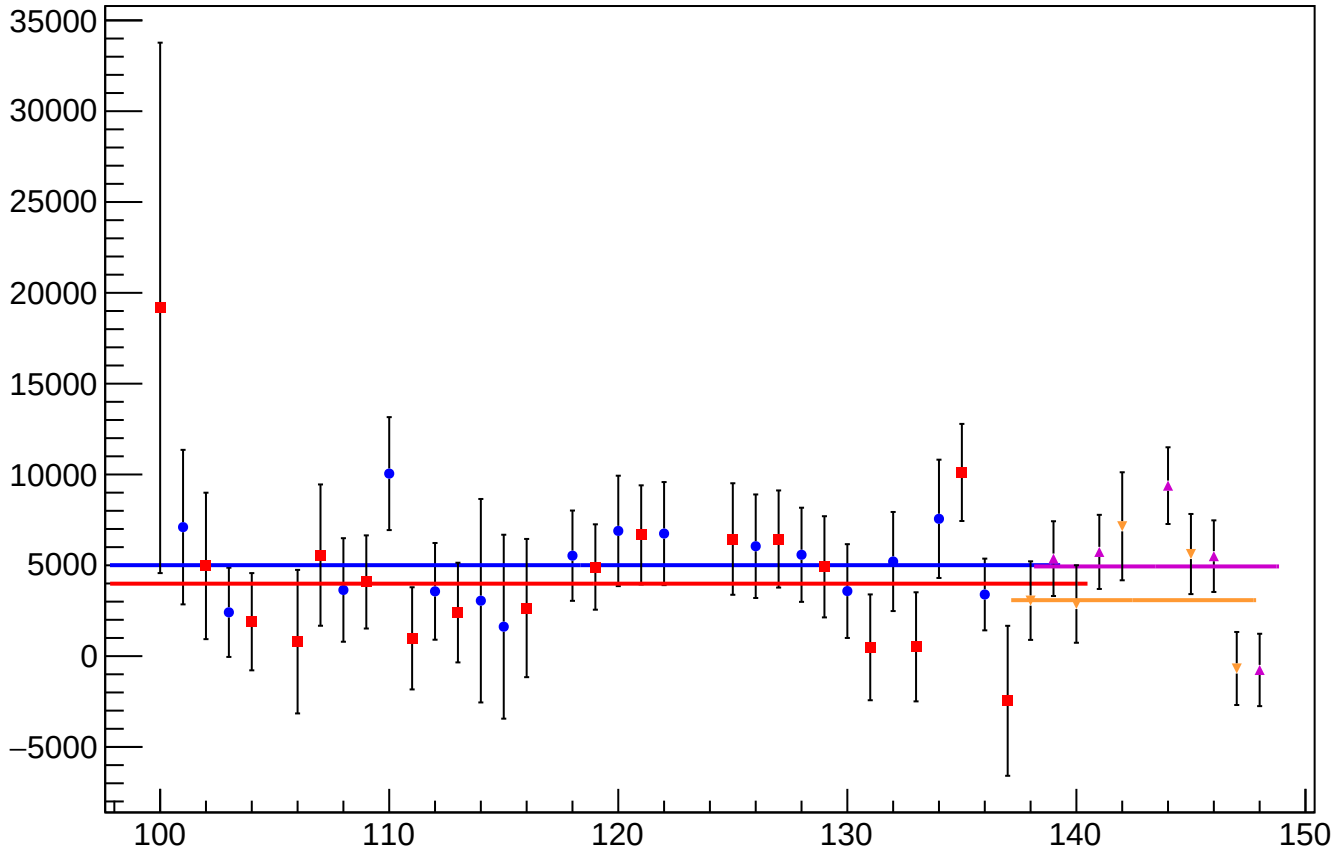
Left: 5973.245+/-1.506 χ^2/NDF: 283185.5/9

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5269.494+/-1.122 χ^2/NDF:946331.8/20

Out: 4788.638+/-1.063 χ^2/NDF:1658164.6/22

All: 5016.248+/-0.772 χ^2/NDF: 2701297.1/43



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3081.033+/-1000.148 χ^2/NDF:6.7/4

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4937.993+/-909.214 χ^2/NDF:12.9/4

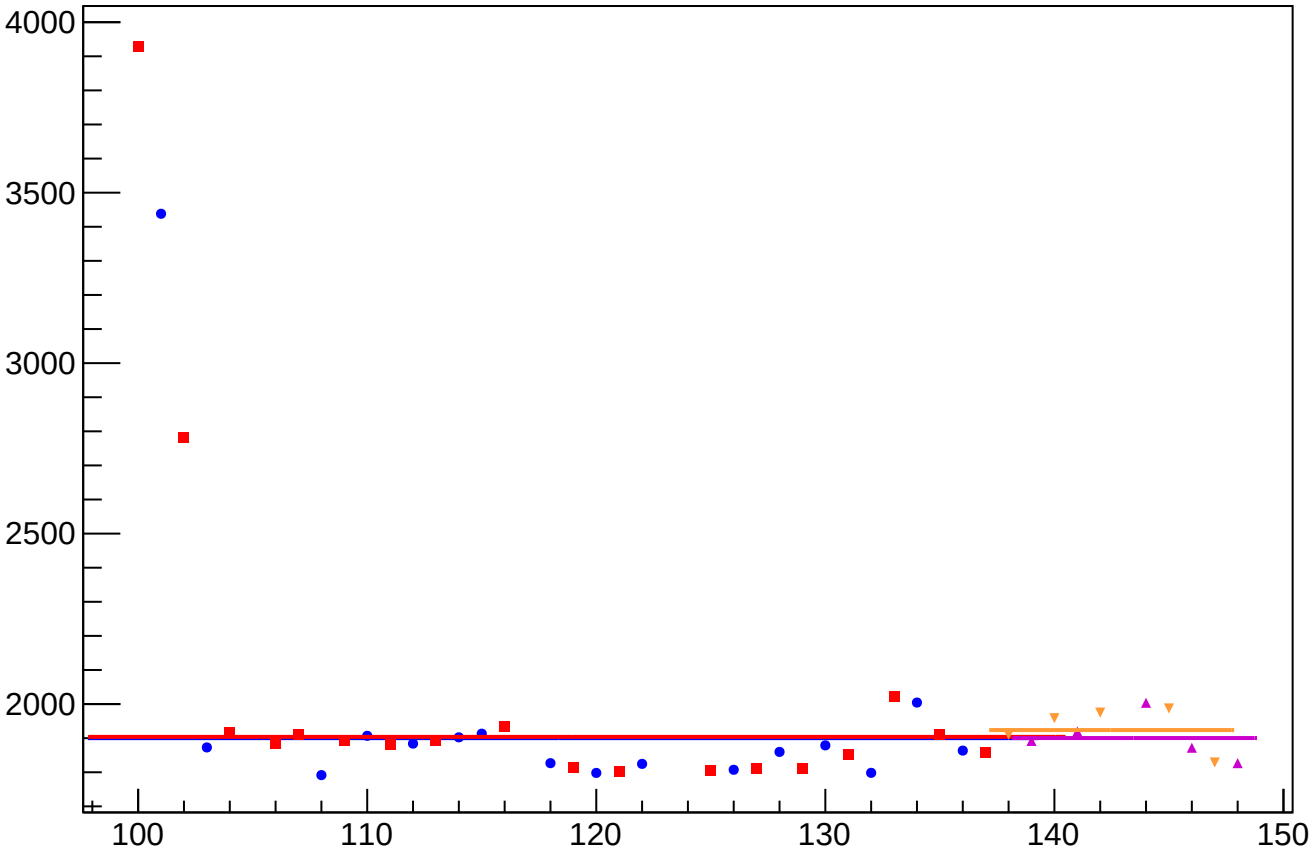
Left: 4097.751+/-672.767 χ^2/NDF: 21.5/9

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

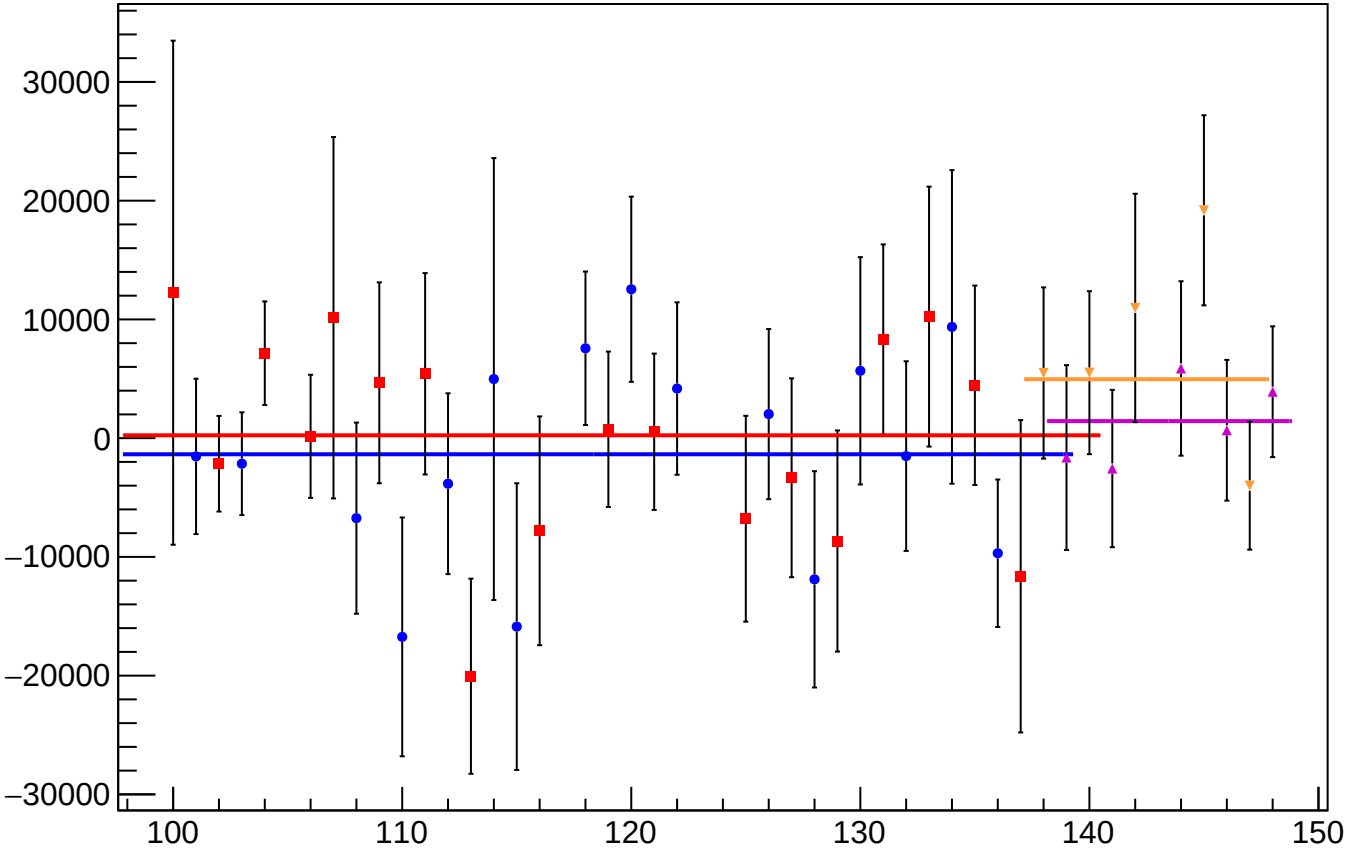
In: 4980.868+/-561.576 χ^2/NDF:20.6/20

Out: 3679.750+/-583.812 χ^2/NDF:24.6/22

All: 4355.559+/-404.727 χ^2/NDF: 47.8/43


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1923.763+/-0.707 χ²/NDF:7334.8/4
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1900.371+/-0.643 χ²/NDF:8151.6/4
Left: 1910.955+/-0.476 χ²/NDF: 16085.4/9
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1900.210+/-0.397 χ²/NDF:286600.1/20
Out: 1910.610+/-0.413 χ²/NDF:157974.2/22
All: 1905.212+/-0.286 χ²/NDF: 444904.2/43

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 4965.626+/-3141.808 χ^2/NDF:6.3/4

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1437.629+/-2895.504 χ^2/NDF:1.1/4

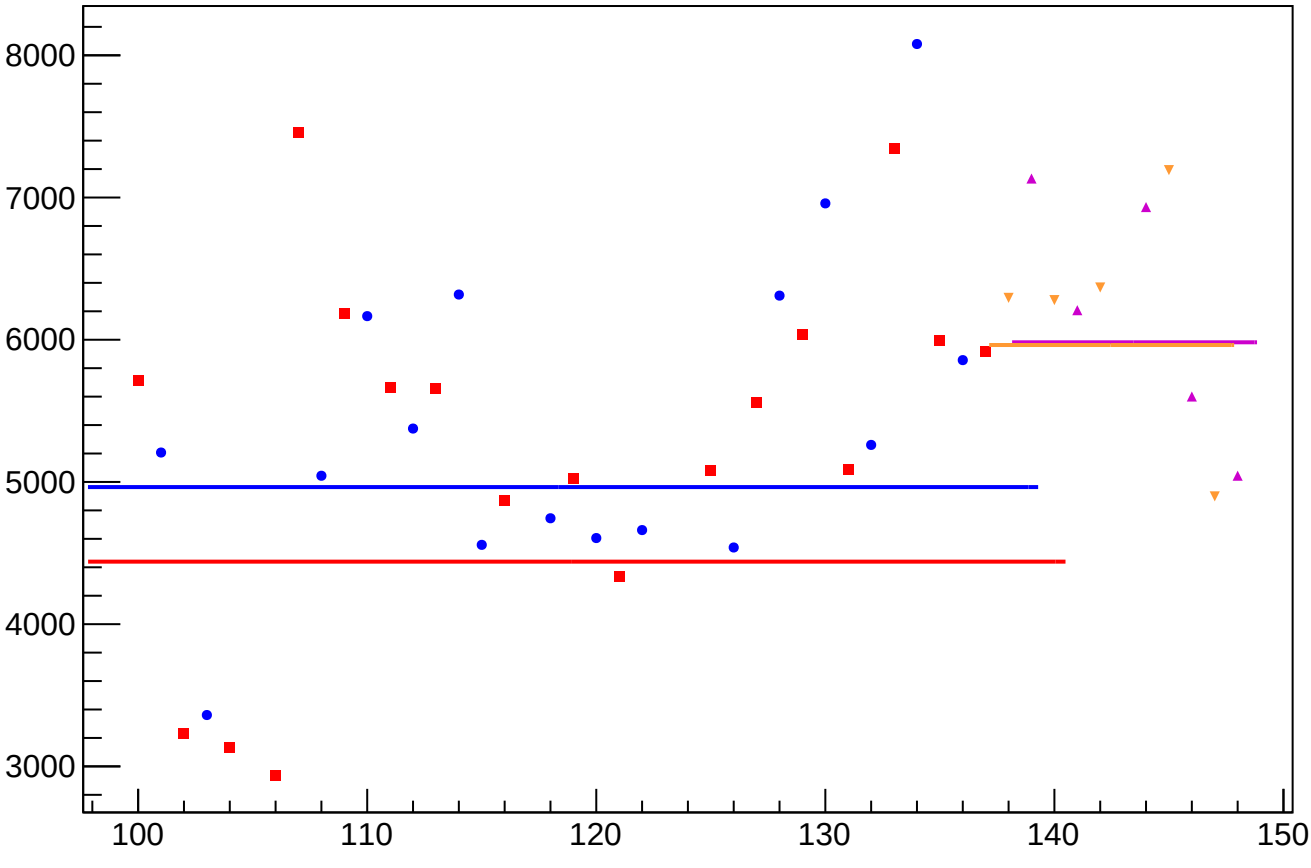
Left: 3057.936+/-2129.188 χ^2/NDF: 8.1/9

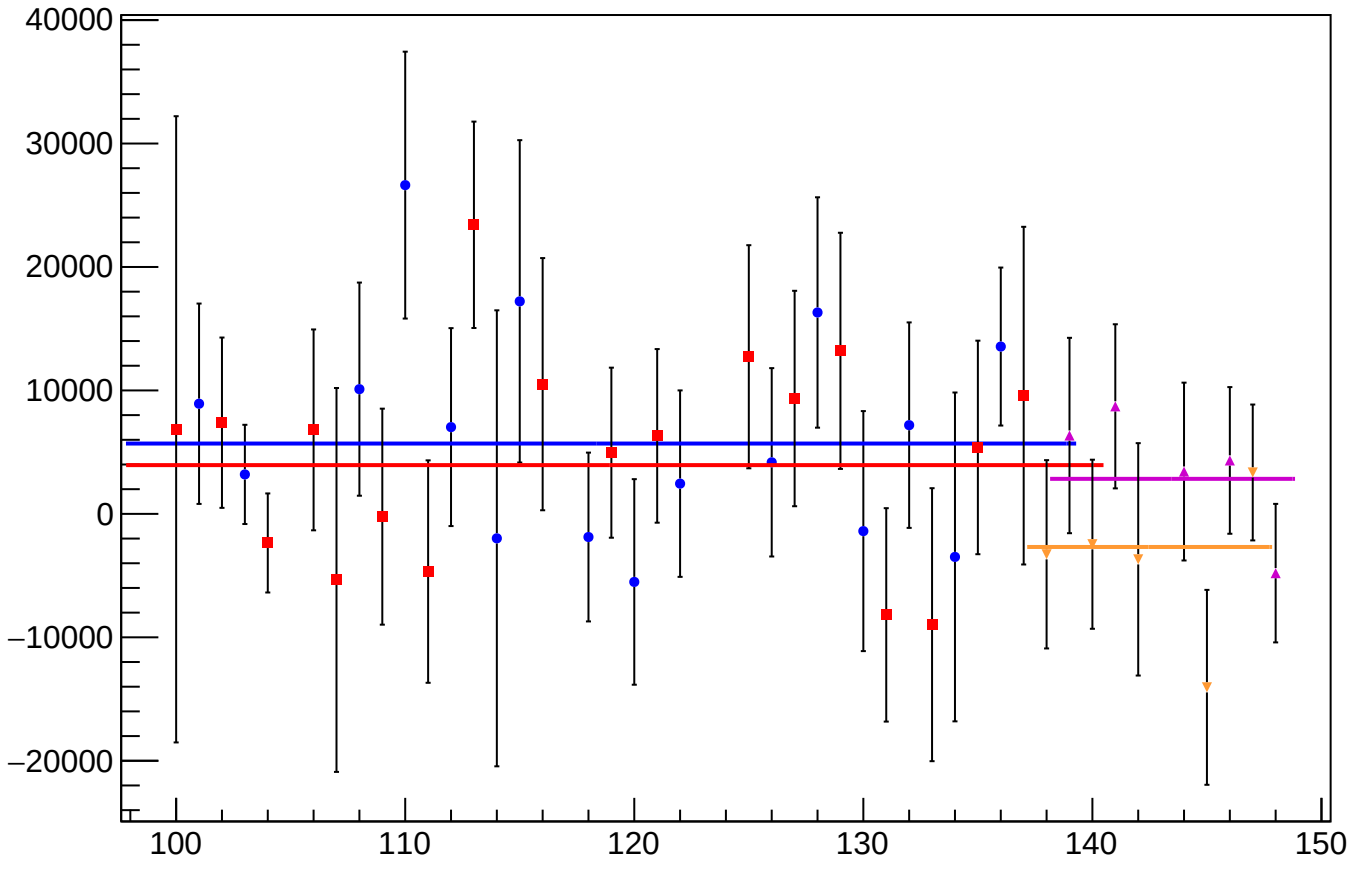
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -518.066+/-1586.186 χ^2/NDF:16.5/20

Out: 1323.463+/-1503.760 χ^2/NDF:23.8/22

All: 451.788+/-1091.295 χ^2/NDF: 41.0/43


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 5962.961+/-2.222 χ²/NDF:137215.9/4
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 5981.995+/-2.047 χ²/NDF:145931.8/4
Left: 5973.254+/-1.506 χ²/NDF: 283187.4/9
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5269.486+/-1.122 χ²/NDF:946342.5/20
Out: 4788.629+/-1.063 χ²/NDF:1658174.6/22
All: 5016.239+/-0.772 χ²/NDF: 2701318.4/43



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -2681.017+/-3180.431 χ^2/NDF:3.3/4

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2837.479+/-2911.301 χ^2/NDF:2.9/4

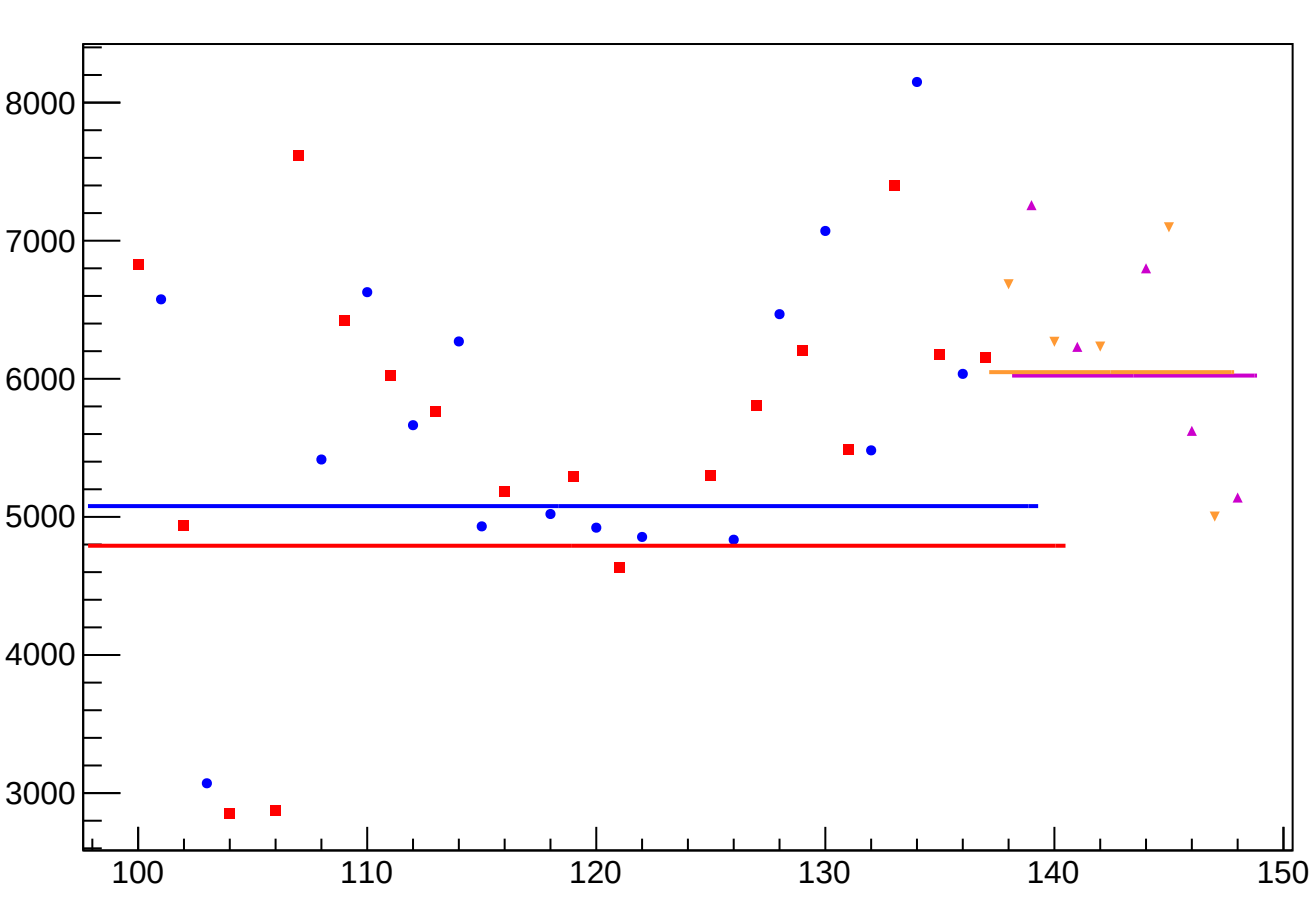
Left: 321.561+/-2147.454 χ^2/NDF: 7.8/9

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4805.794+/-1625.421 χ^2/NDF:16.2/20

Out: 2177.620+/-1644.069 χ^2/NDF:22.6/22

All: 3506.696+/-1155.883 χ^2/NDF: 40.1/43



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6048.245+/-2.249 χ^2/NDF:124294.1/4

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6023.381+/-2.059 χ^2/NDF:132489.1/4

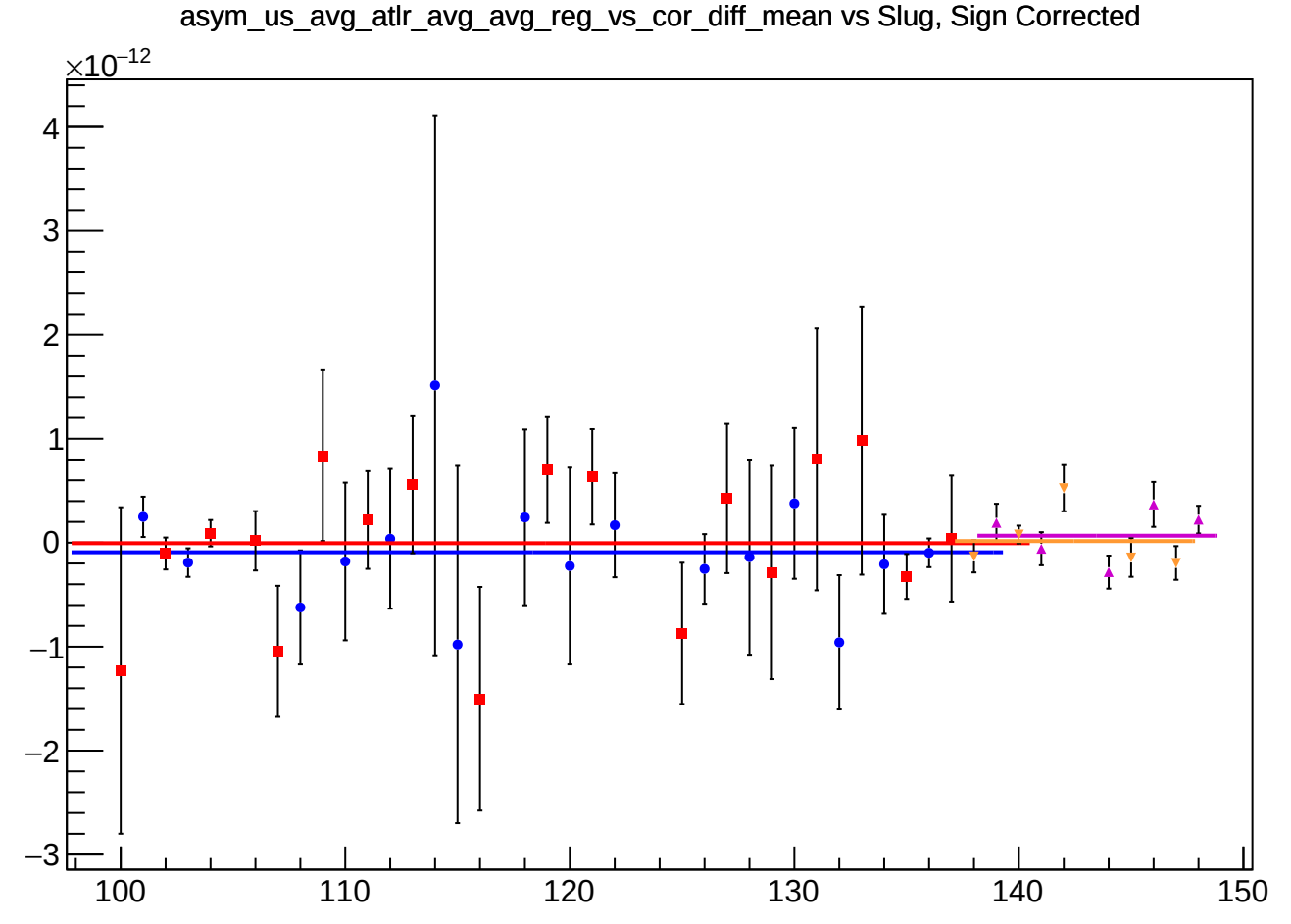
Left: 6034.717+/-1.518 χ^2/NDF: 256849.7/9

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5372.791+/-1.149 χ^2/NDF:1196809.0/20

Out: 5117.152+/-1.145 χ^2/NDF:1518178.5/22

All: 5244.515+/-0.811 χ^2/NDF: 2739812.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/4

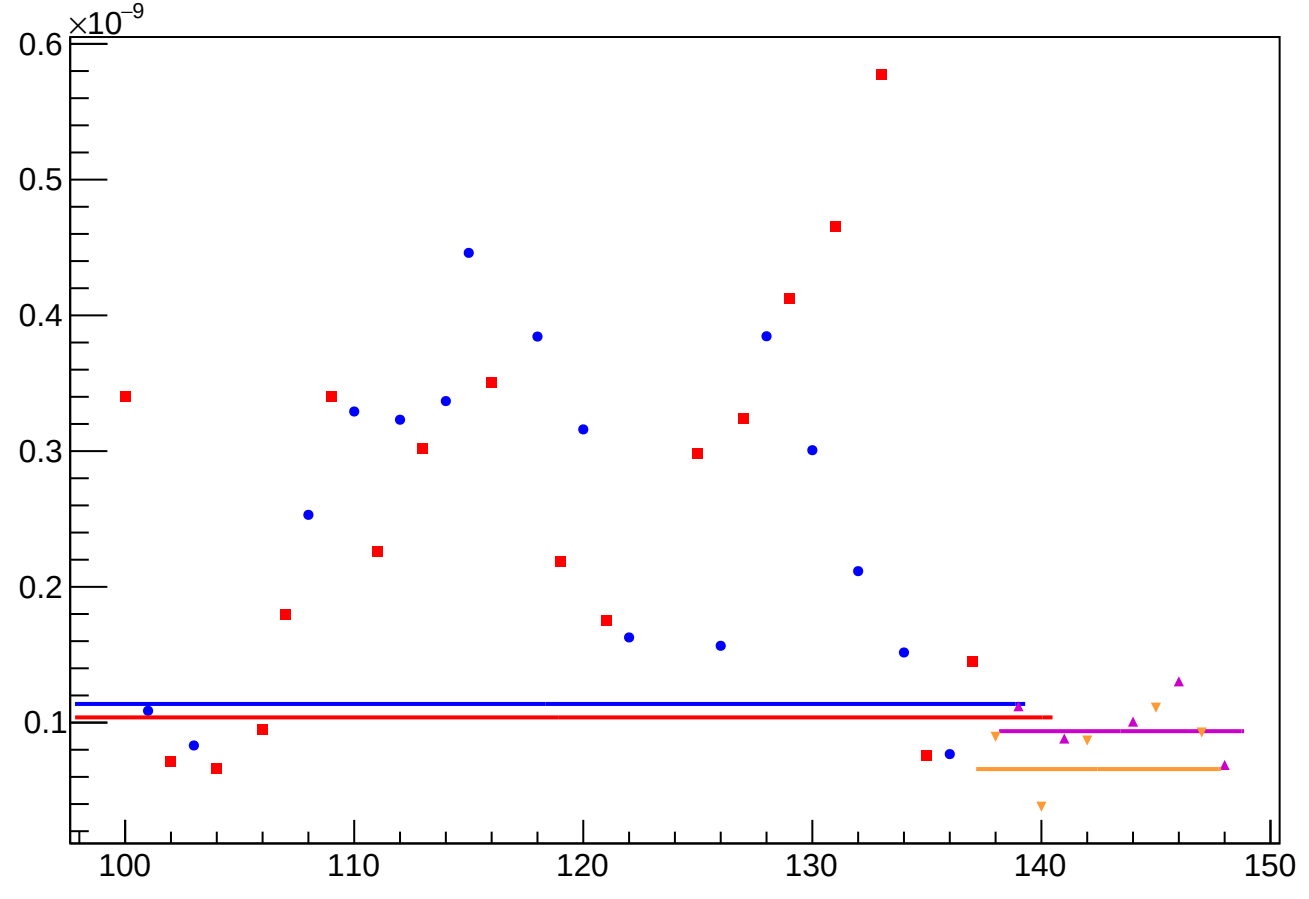
Left: 0.000+/-0.000 χ^2/NDF: 18.6/9

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:19.7/20

Out: 0.000+/-0.000 χ^2/NDF:26.5/22

All: 0.000+/-0.000 χ^2/NDF: 46.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:449166.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:153741.5/4

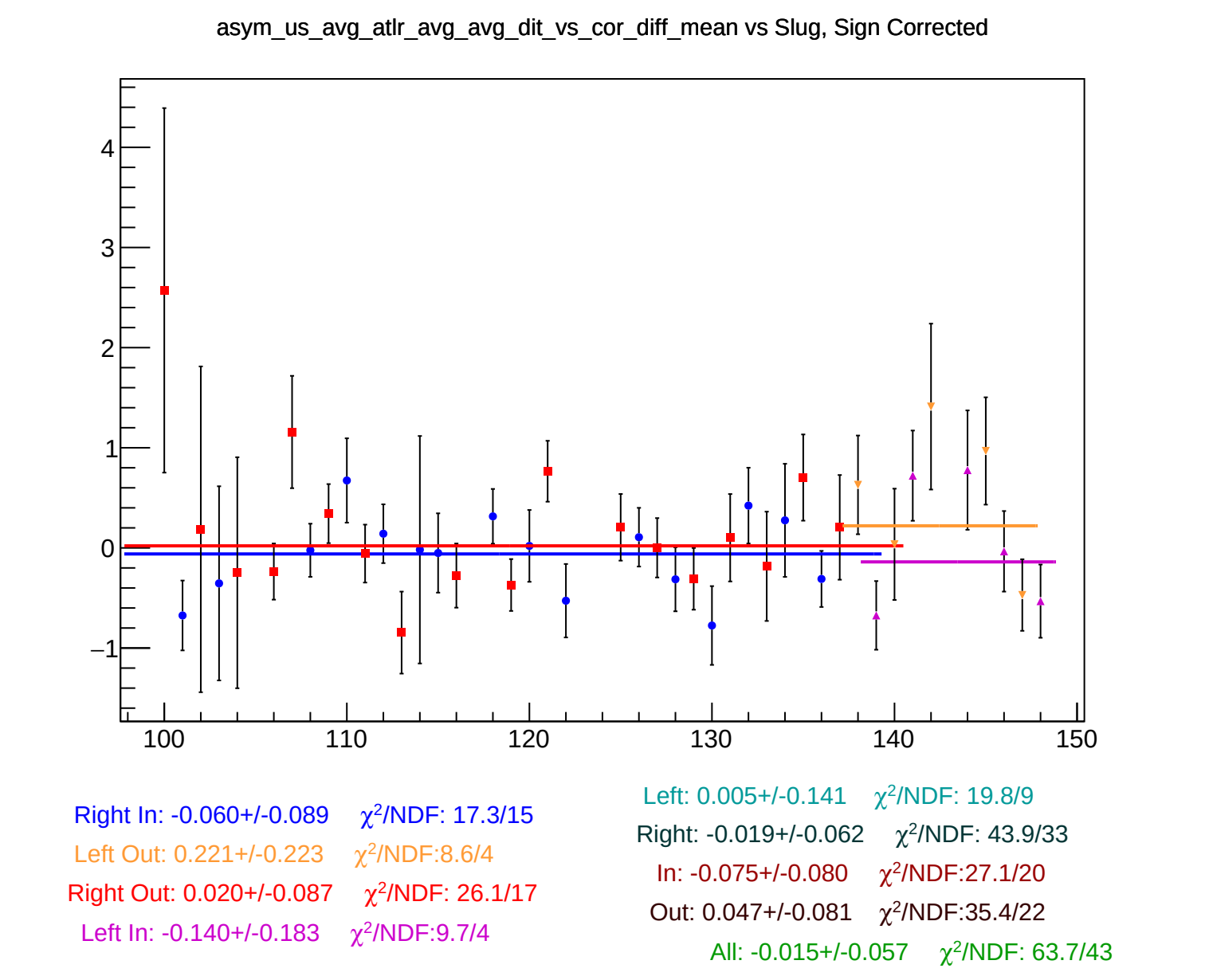
Left: 0.000+/-0.000 χ^2/NDF: 773658.8/9

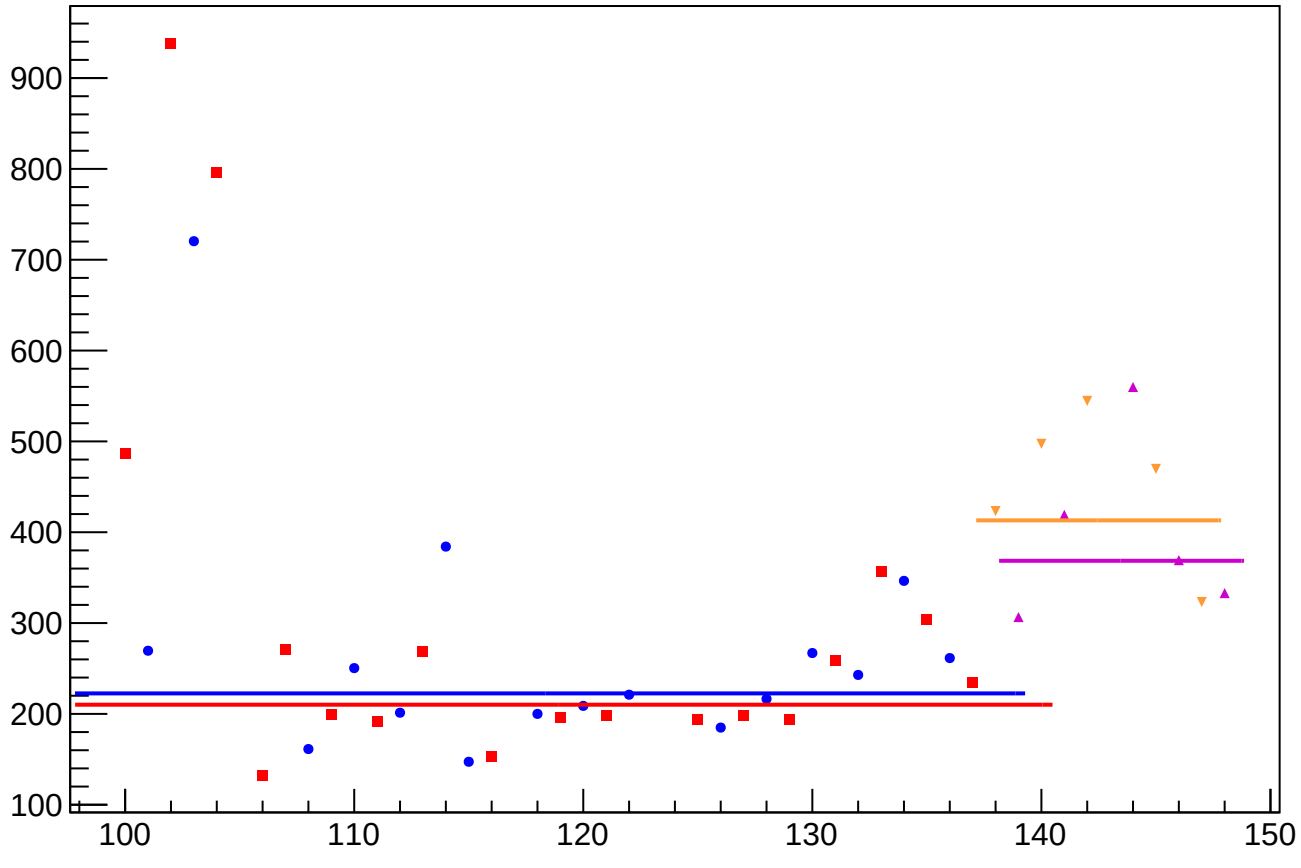
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1749065.4/20

Out: 0.000+/-0.000 χ^2/NDF:2834751.8/22

All: 0.000+/-0.000 χ^2/NDF: 4781899.0/43


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.221+/-0.223 χ²/NDF:8.6/4
Right Out: 0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.140+/-0.183 χ²/NDF:9.7/4
Left: 0.005+/-0.141 χ²/NDF: 19.8/9
Right: -0.019+/-0.062 χ²/NDF: 43.9/33
In: -0.075+/-0.080 χ²/NDF:27.1/20
Out: 0.047+/-0.081 χ²/NDF:35.4/22
All: -0.015+/-0.057 χ²/NDF: 63.7/43



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

Left: 386.460+/-0.100 χ^2/NDF: 609568.8/9

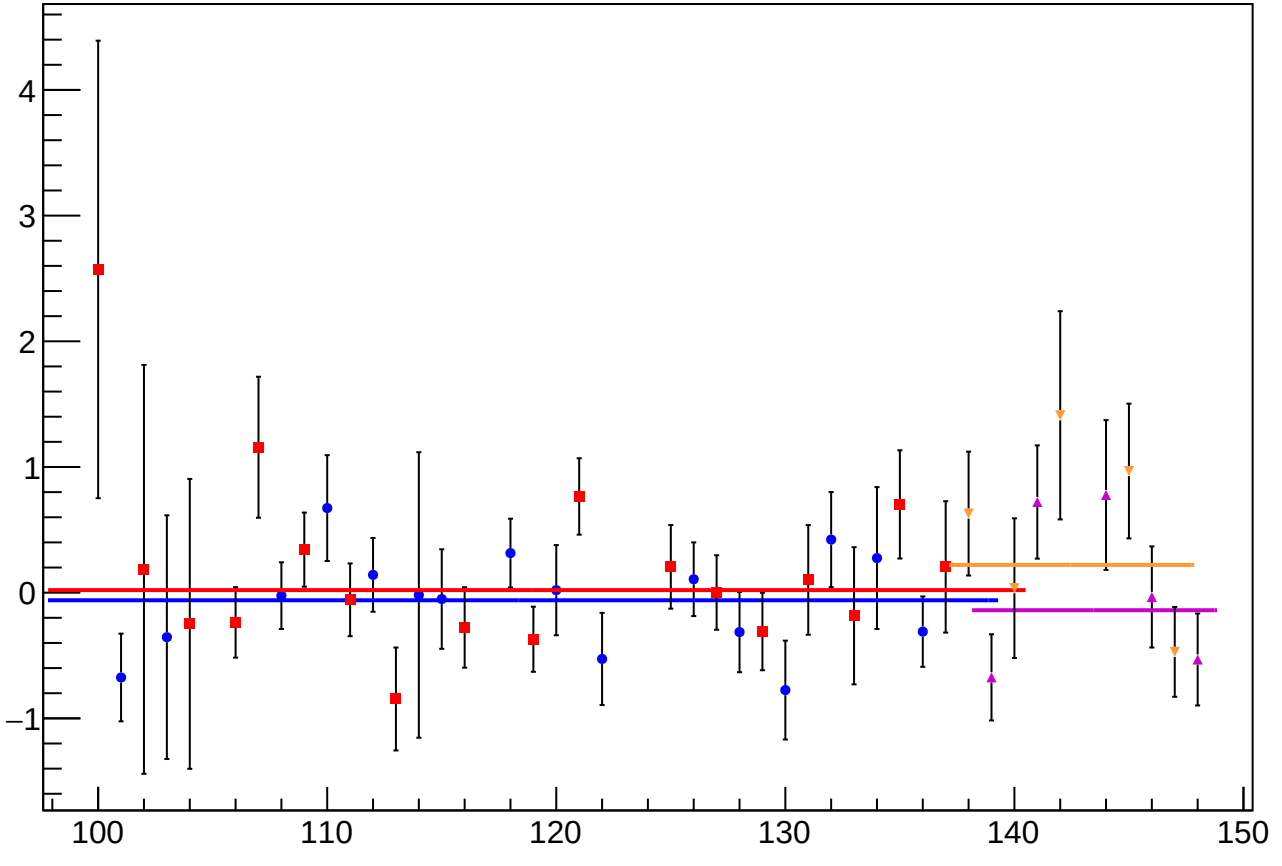
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 250.354+/-0.056 χ^2/NDF:2366538.1/20

Out: 237.186+/-0.058 χ^2/NDF:3231728.5/22

All: 243.902+/-0.040 χ^2/NDF: 5624967.3/43

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.140+/-0.183 χ^2/NDF:9.7/4

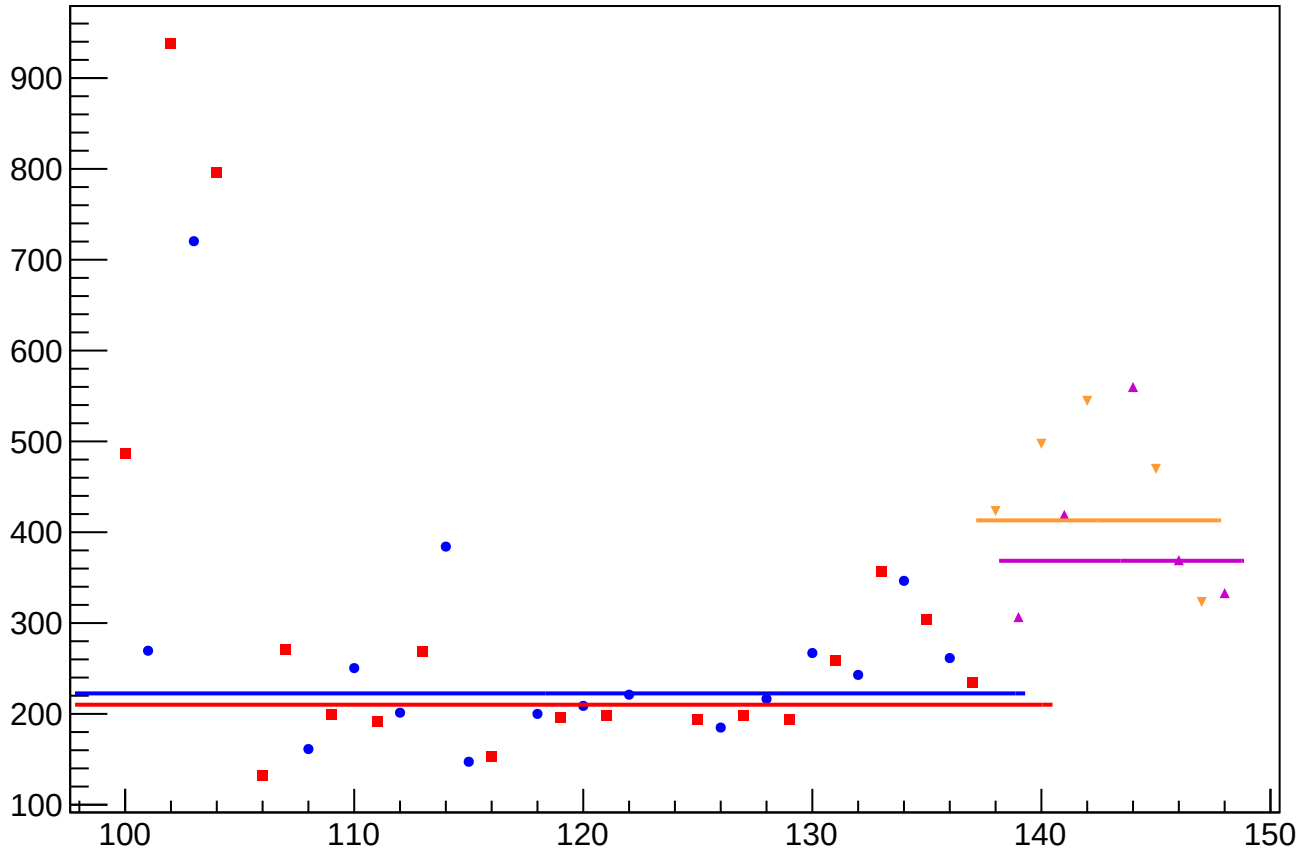
Left: 0.005+/-0.141 χ^2/NDF: 19.8/9

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.015+/-0.057 χ^2/NDF: 63.7/43



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

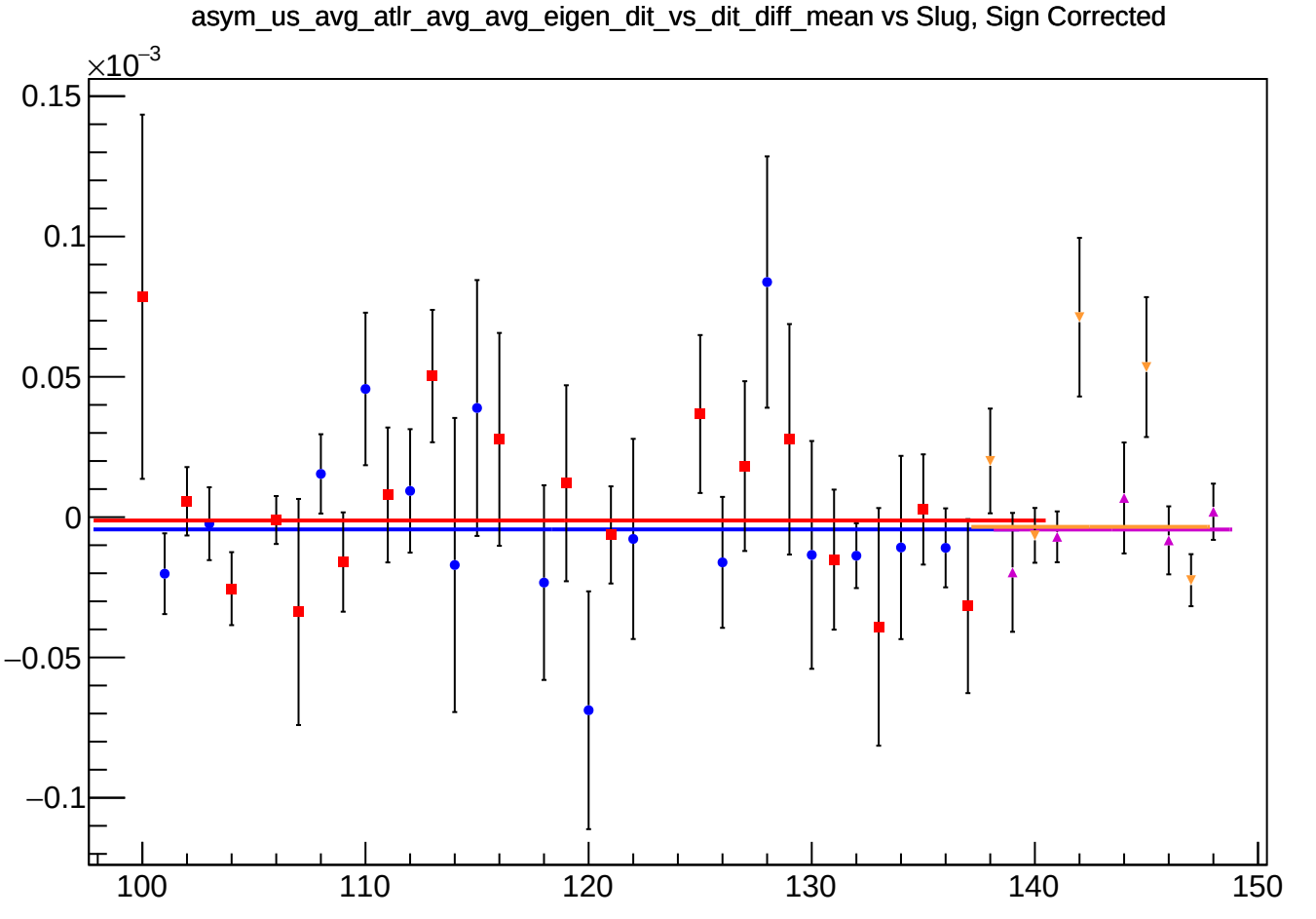
Left: 386.460+/-0.100 χ^2/NDF: 609568.8/9

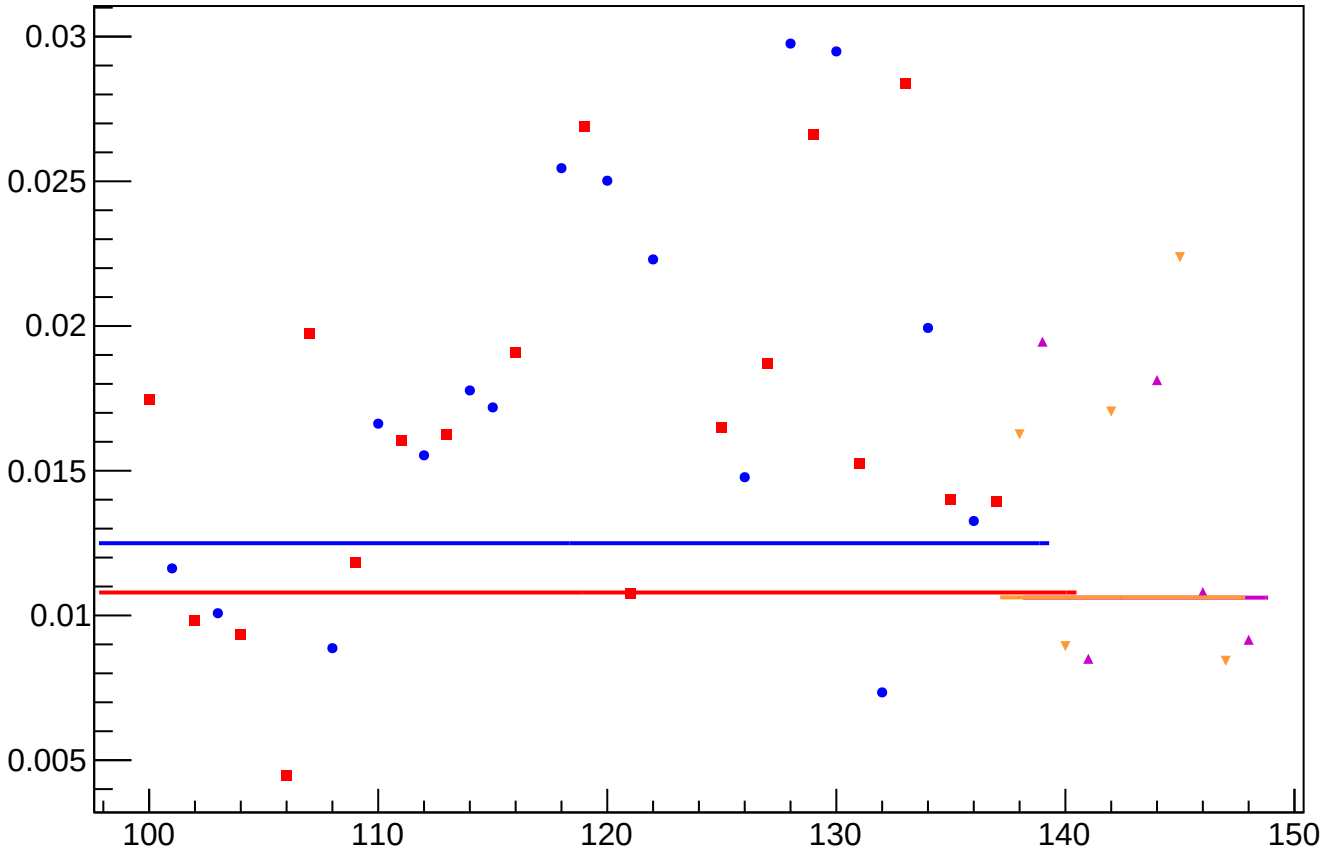
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 250.354+/-0.056 χ^2/NDF:2366538.1/20

Out: 237.186+/-0.058 χ^2/NDF:3231728.5/22

All: 243.902+/-0.040 χ^2/NDF: 5624967.3/43


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.1/4
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:1.4/4
Left: -0.000+/-0.000 χ²/NDF: 19.5/9
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:17.1/20
Out: -0.000+/-0.000 χ²/NDF:35.4/22
All: -0.000+/-0.000 χ²/NDF: 52.7/43



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:901544.6/4

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:789192.7/4

Left: 0.011+/-0.000 χ^2/NDF: 1690739.2/9

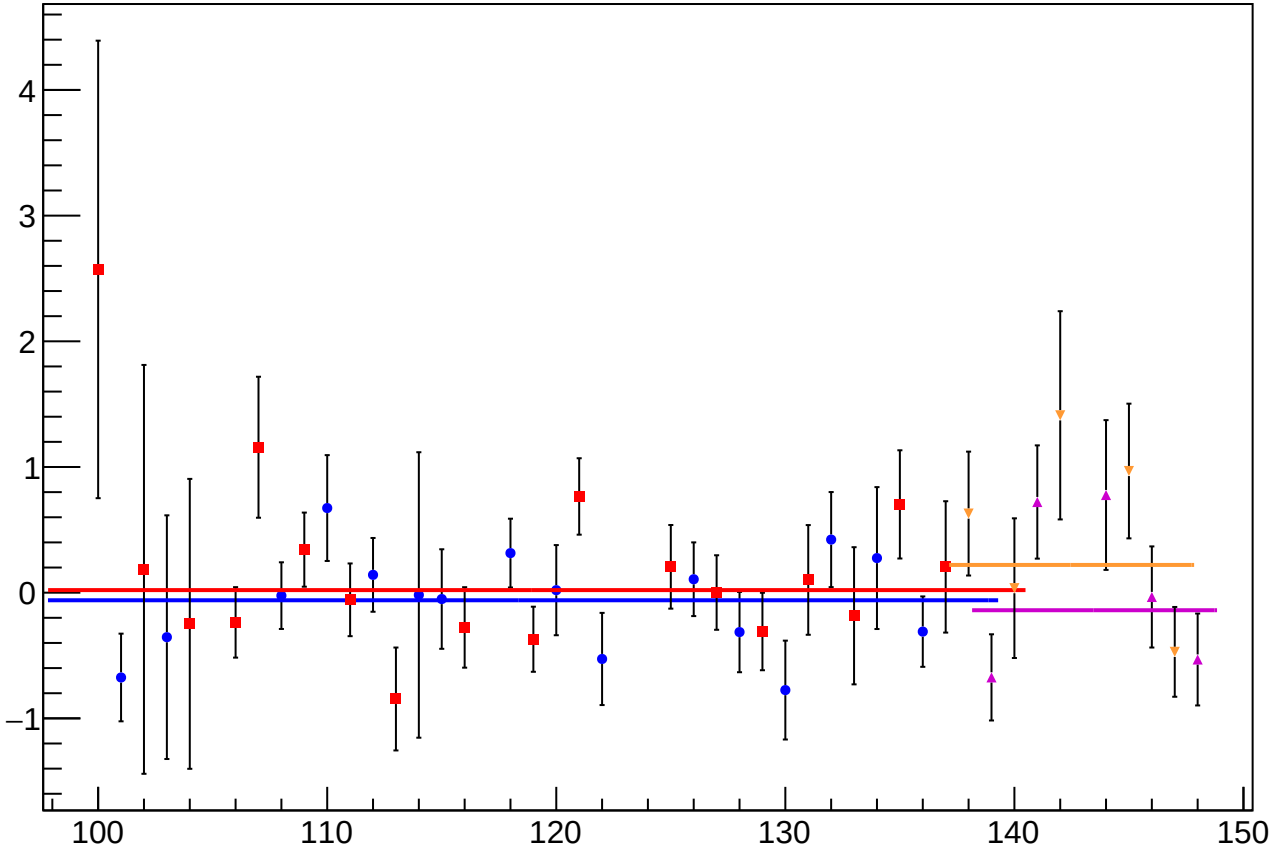
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:3031640.3/20

Out: 0.011+/-0.000 χ^2/NDF:3890382.3/22

All: 0.011+/-0.000 χ^2/NDF: 6980418.3/43

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.140+/-0.183 χ^2/NDF:9.7/4

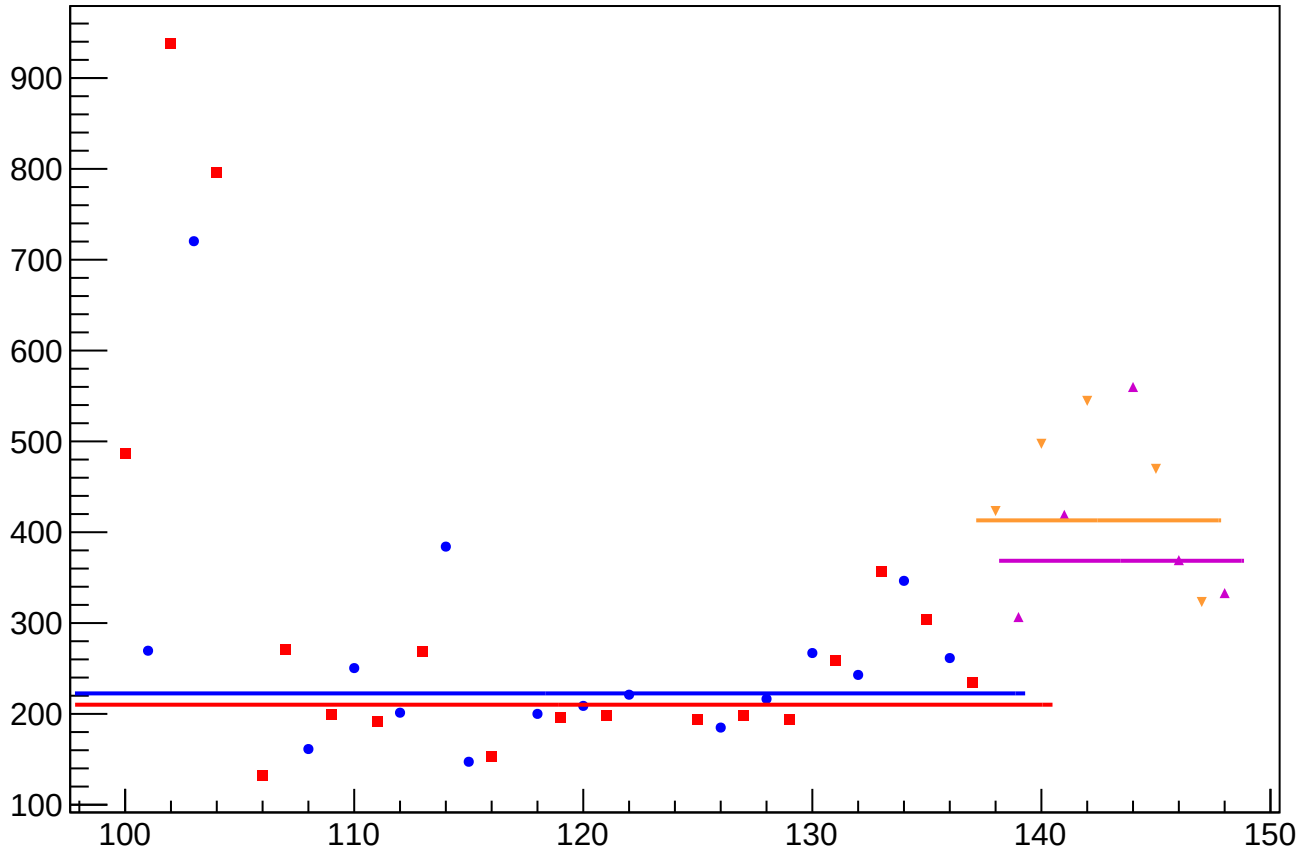
Left: 0.005+/-0.141 χ^2/NDF: 19.8/9

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.015+/-0.057 χ^2/NDF: 63.7/43



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 413.055+/-0.158 χ^2/NDF:246299.9/4

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

Left: 386.465+/-0.100 χ^2/NDF: 609556.7/9

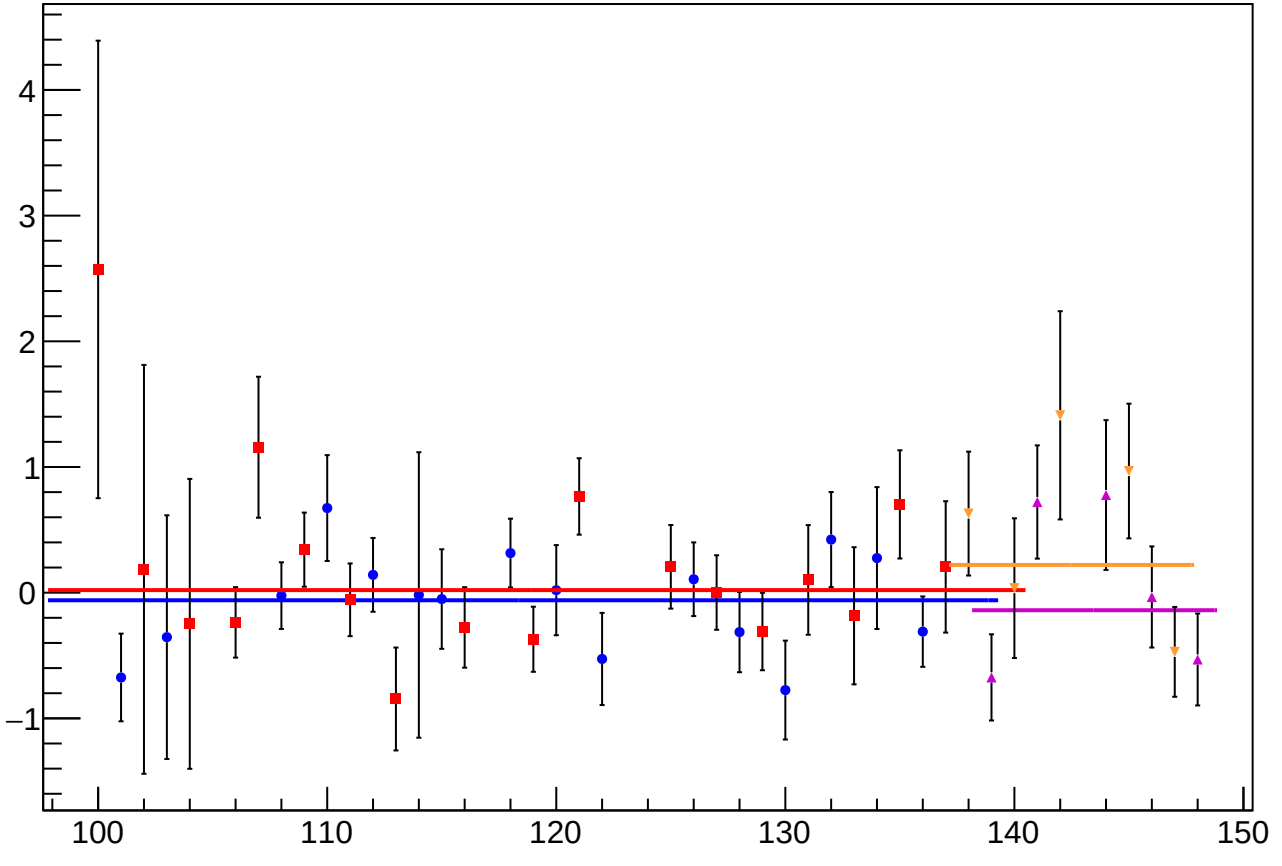
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 250.352+/-0.056 χ^2/NDF:2366596.8/20

Out: 237.183+/-0.058 χ^2/NDF:3231787.4/22

All: 243.900+/-0.040 χ^2/NDF: 5625090.6/43

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.140+/-0.183 χ^2/NDF:9.7/4

Left: 0.005+/-0.141 χ^2/NDF: 19.8/9

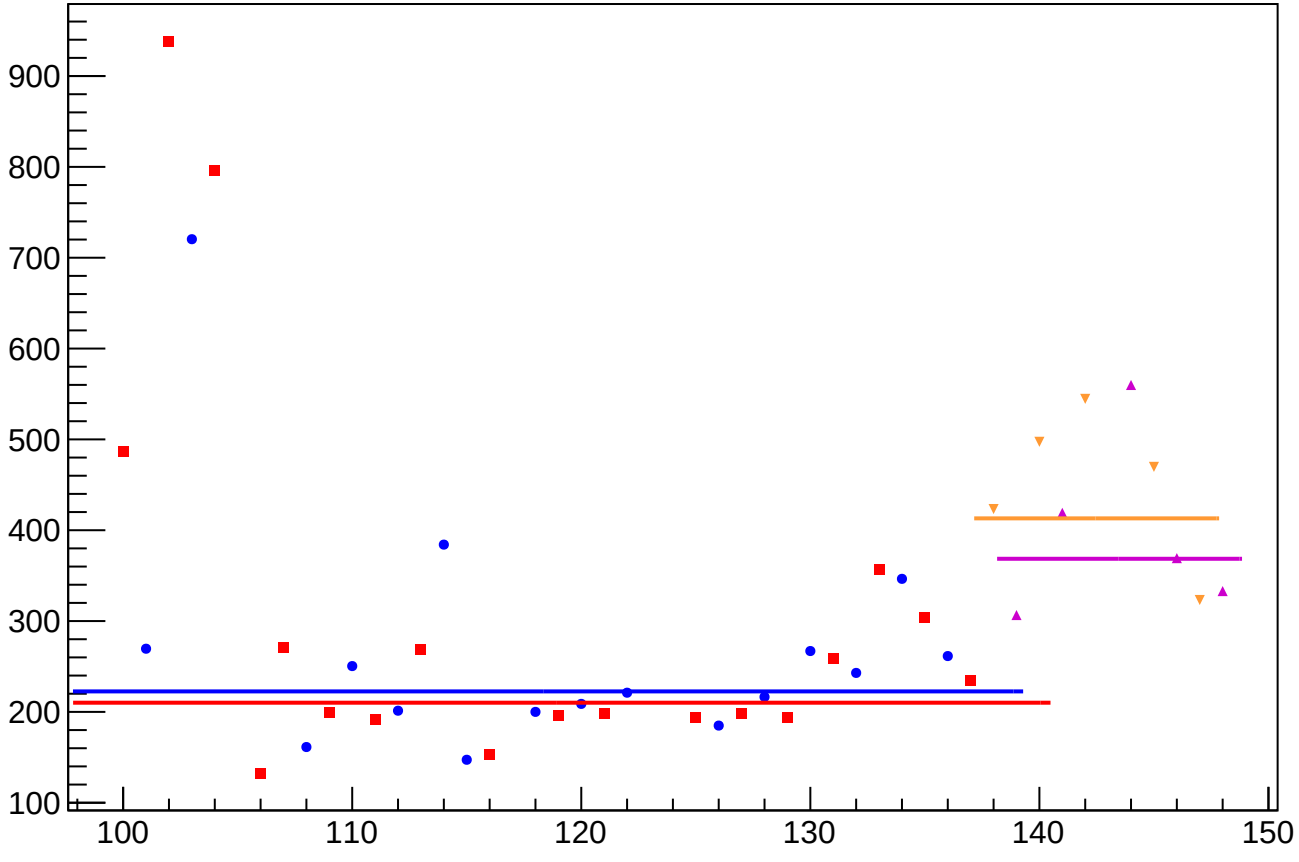
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.015+/-0.057 χ^2/NDF: 63.7/43

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: 413.055+/-0.158 χ^2/NDF:246299.9/4

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

Left: 386.465+/-0.100 χ^2/NDF: 609556.7/9

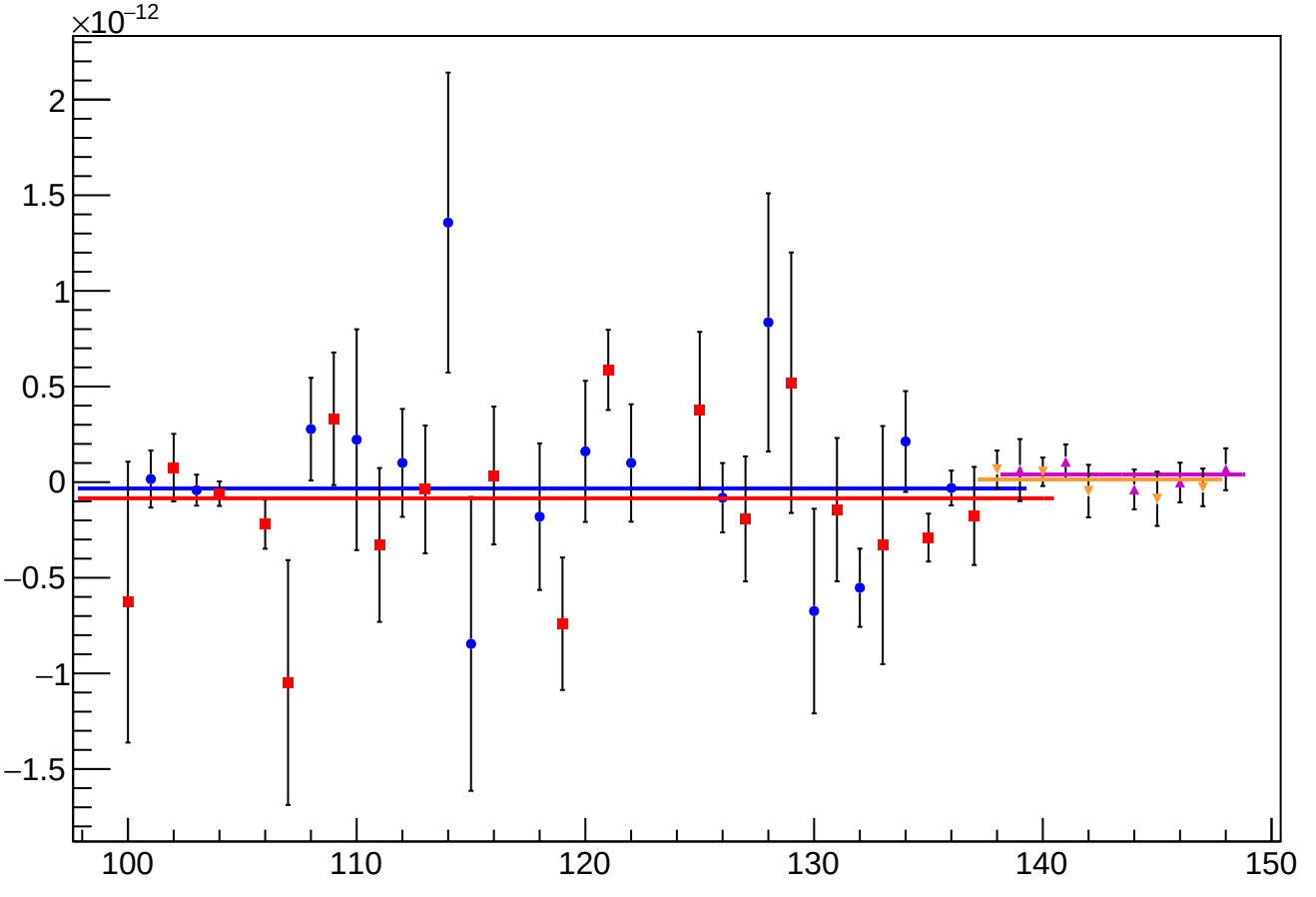
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 250.352+/-0.056 χ^2/NDF:2366596.8/20

Out: 237.183+/-0.058 χ^2/NDF:3231787.4/22

All: 243.900+/-0.040 χ^2/NDF: 5625090.6/43

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

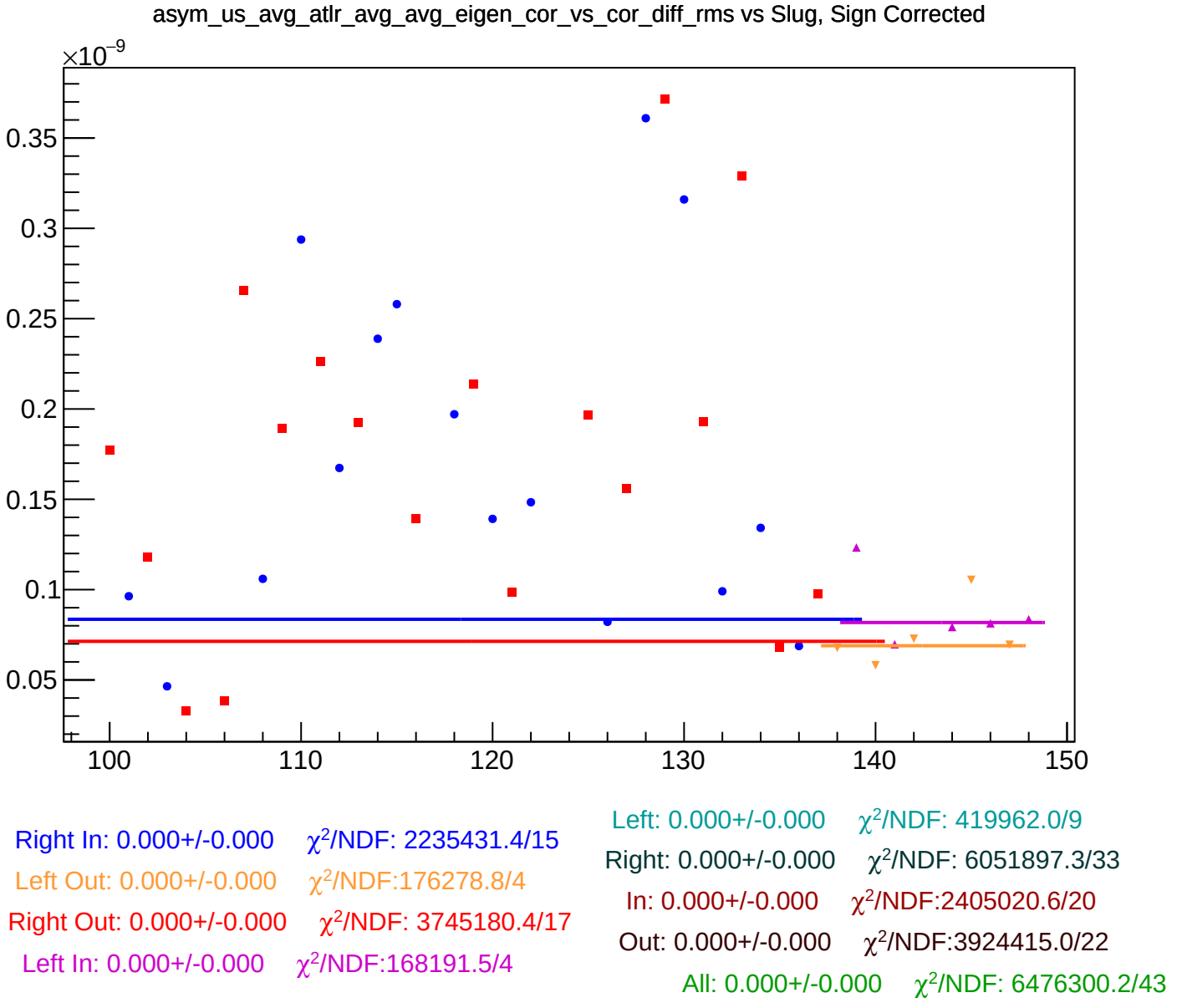
Left: 0.000+/-0.000 χ^2/NDF: 3.0/9

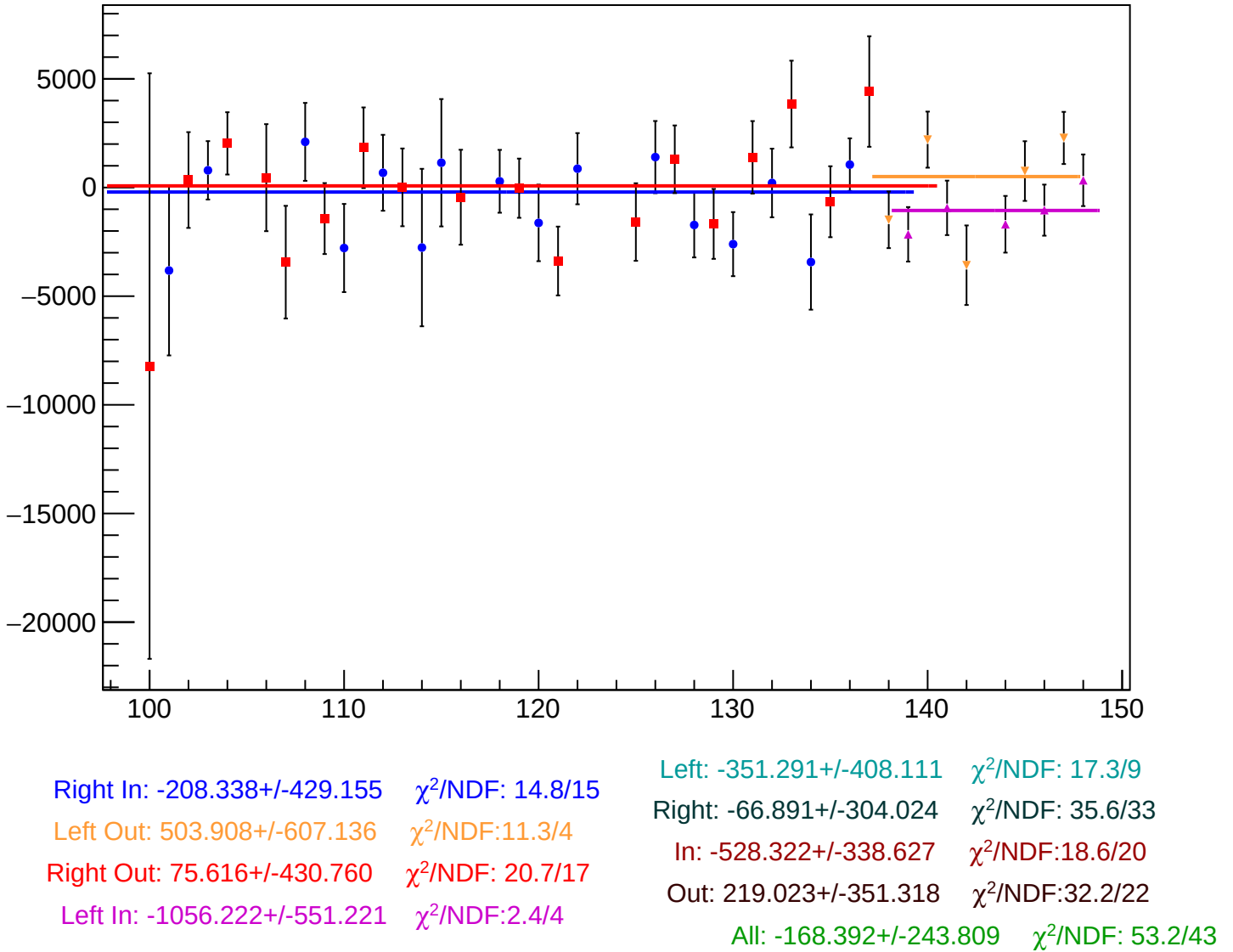
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

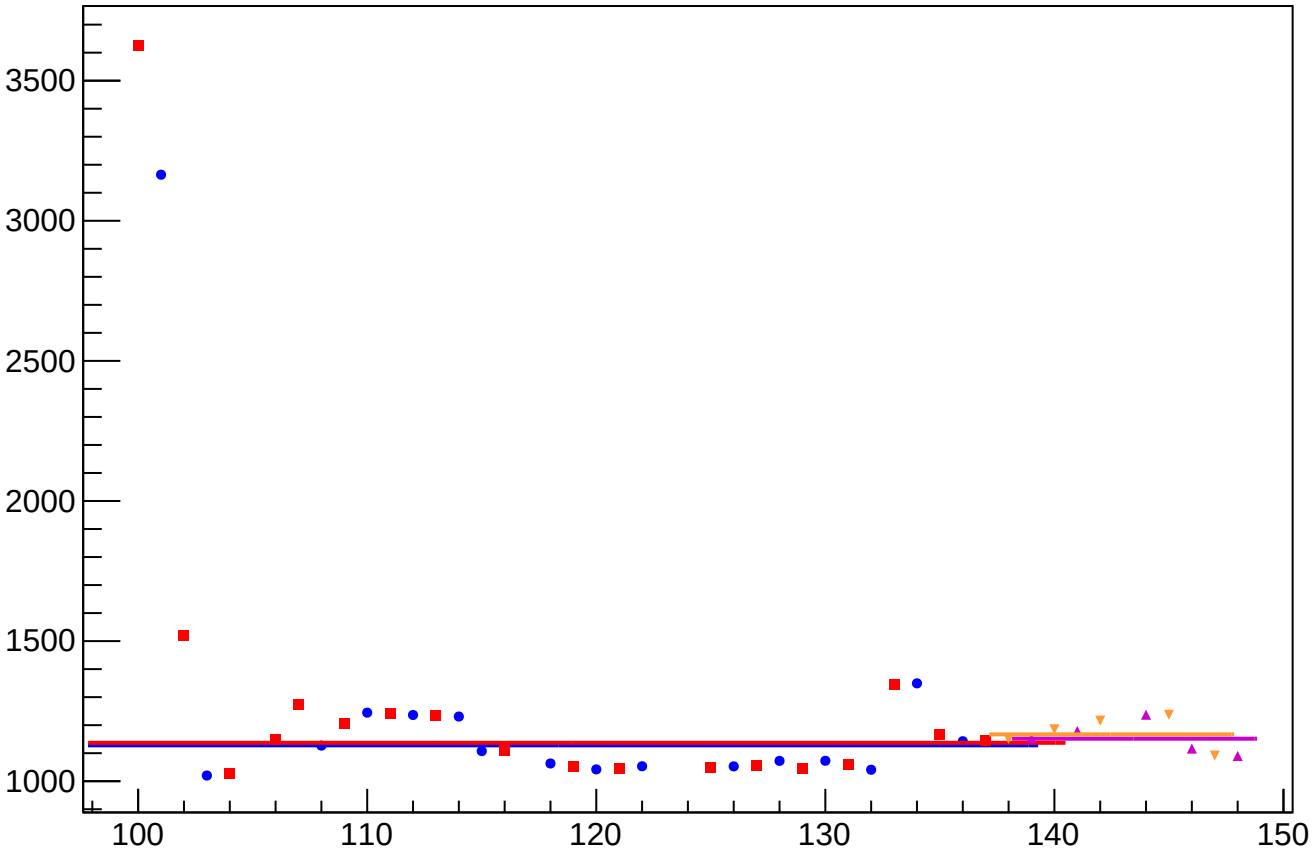
In: 0.000+/-0.000 χ^2/NDF:19.7/20

Out: -0.000+/-0.000 χ^2/NDF:29.7/22

All: -0.000+/-0.000 χ^2/NDF: 50.2/43


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:176278.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:168191.5/4
Left: 0.000+/-0.000 χ²/NDF: 419962.0/9
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:2405020.6/20
Out: 0.000+/-0.000 χ²/NDF:3924415.0/22
All: 0.000+/-0.000 χ²/NDF: 6476300.2/43


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.908+/-607.136 χ²/NDF:11.3/4
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -1056.222+/-551.221 χ²/NDF:2.4/4
Left: -351.291+/-408.111 χ²/NDF: 17.3/9
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -528.322+/-338.627 χ²/NDF:18.6/20
Out: 219.023+/-351.318 χ²/NDF:32.2/22
All: -168.392+/-243.809 χ²/NDF: 53.2/43



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

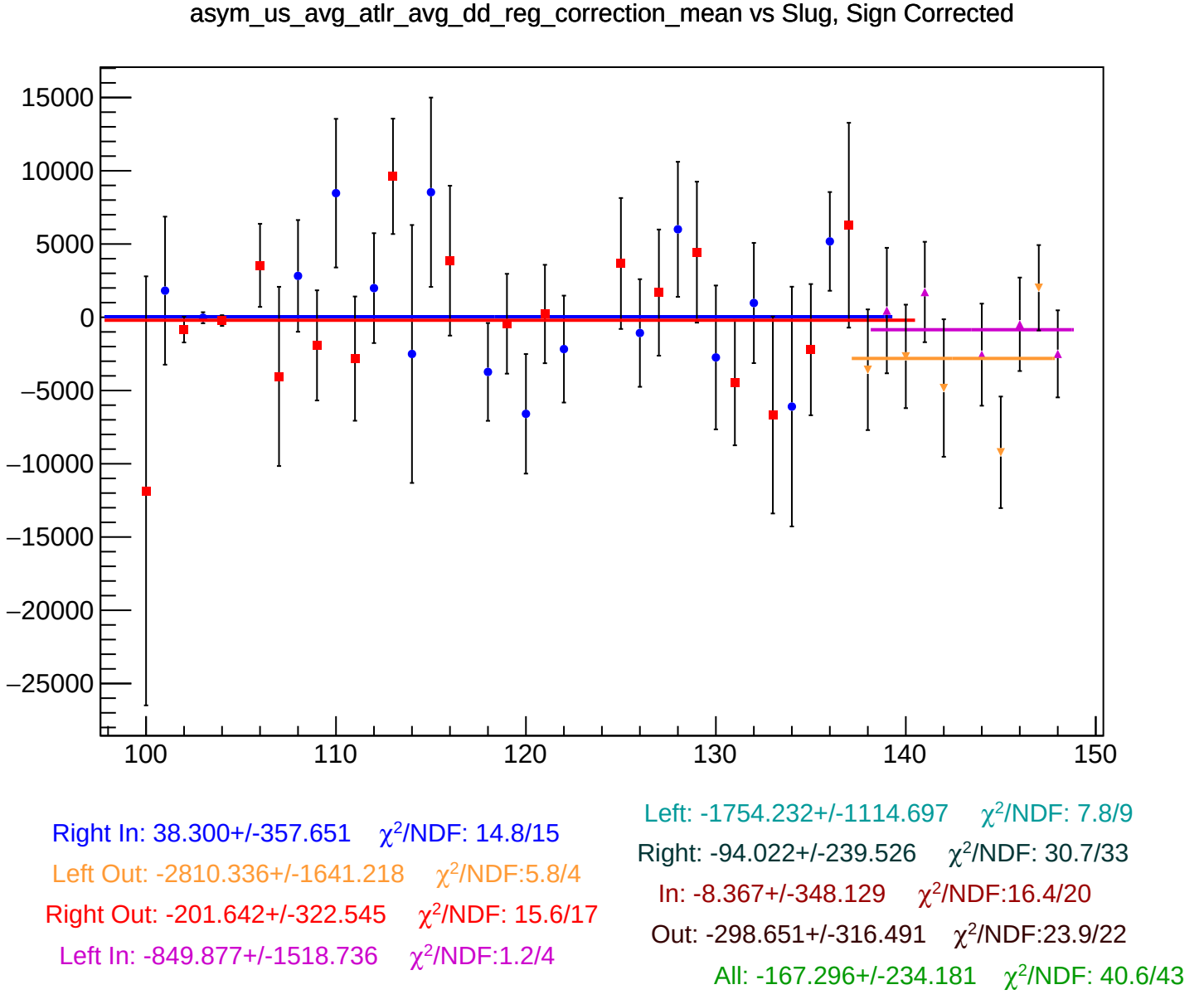
Left: 1158.712+/-0.289 χ^2/NDF: 32753.7/9

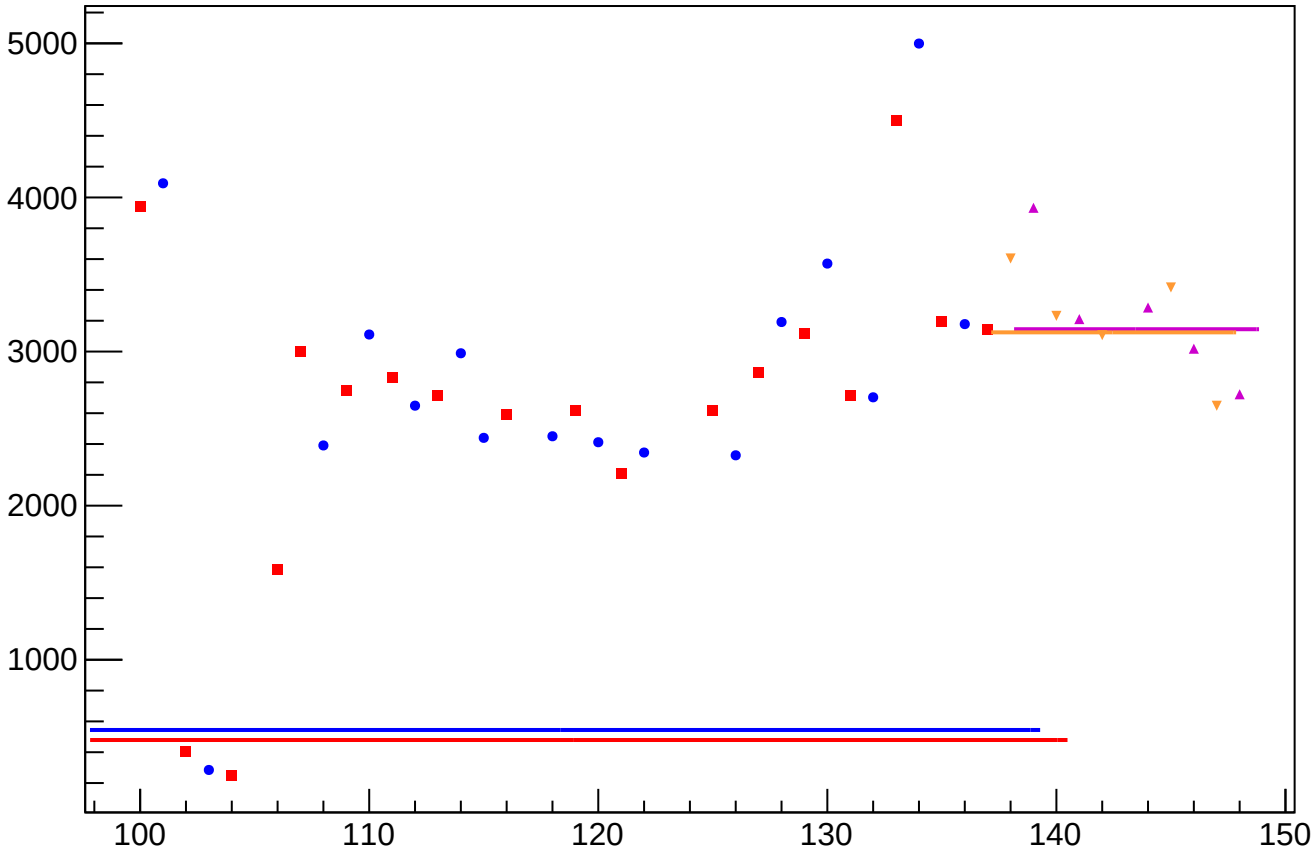
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1136.954+/-0.239 χ^2/NDF:640472.6/20

Out: 1147.116+/-0.248 χ^2/NDF:238638.7/22

All: 1141.854+/-0.172 χ^2/NDF: 879979.8/43


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -2810.336+/-1641.218 χ²/NDF:5.8/4
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -849.877+/-1518.736 χ²/NDF:1.2/4
Left: -1754.232+/-1114.697 χ²/NDF: 7.8/9
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -8.367+/-348.129 χ²/NDF:16.4/20
Out: -298.651+/-316.491 χ²/NDF:23.9/22
All: -167.296+/-234.181 χ²/NDF: 40.6/43



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3124.620+/-1.161 χ^2/NDF:94109.9/4

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3144.973+/-1.074 χ^2/NDF:115214.1/4

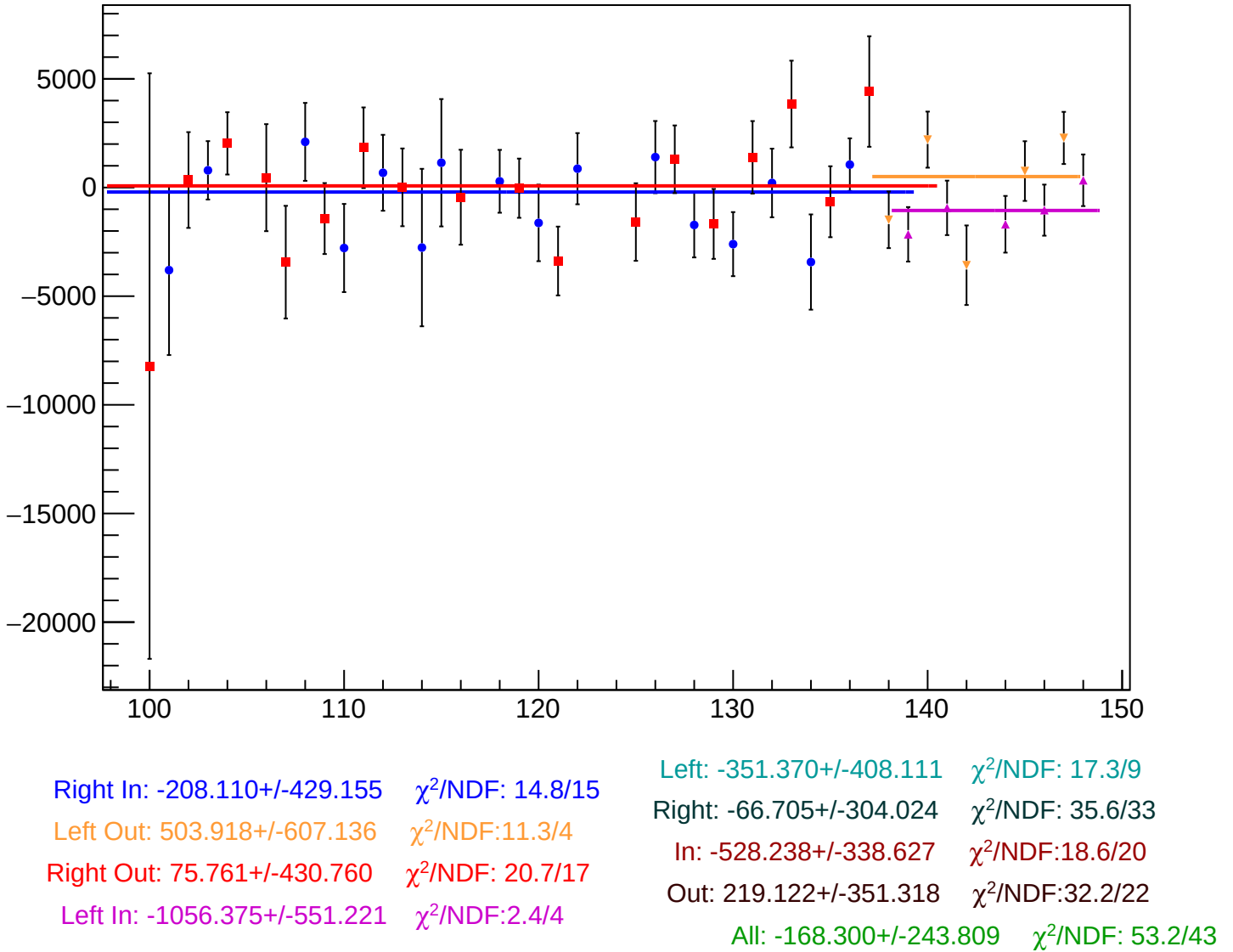
Left: 3135.584+/-0.788 χ^2/NDF: 209489.7/9

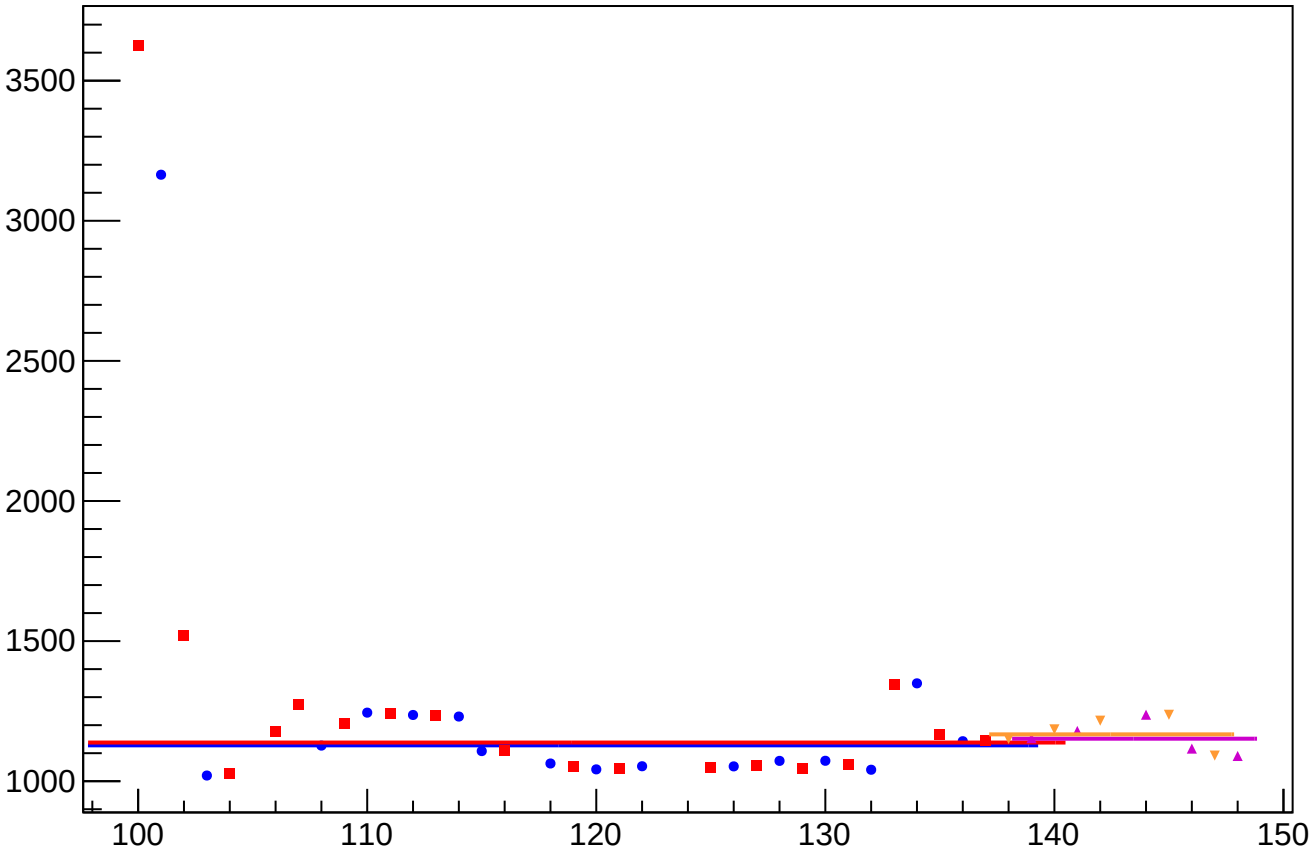
Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 680.981+/-0.246 χ^2/NDF:15354465.2/20

Out: 577.626+/-0.224 χ^2/NDF:14284876.0/22

All: 624.394+/-0.166 χ^2/NDF: 29735856.5/43


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.918+/-607.136 χ²/NDF:11.3/4
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -1056.375+/-551.221 χ²/NDF:2.4/4
Left: -351.370+/-408.111 χ²/NDF: 17.3/9
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -528.238+/-338.627 χ²/NDF:18.6/20
Out: 219.122+/-351.318 χ²/NDF:32.2/22
All: -168.300+/-243.809 χ²/NDF: 53.2/43



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

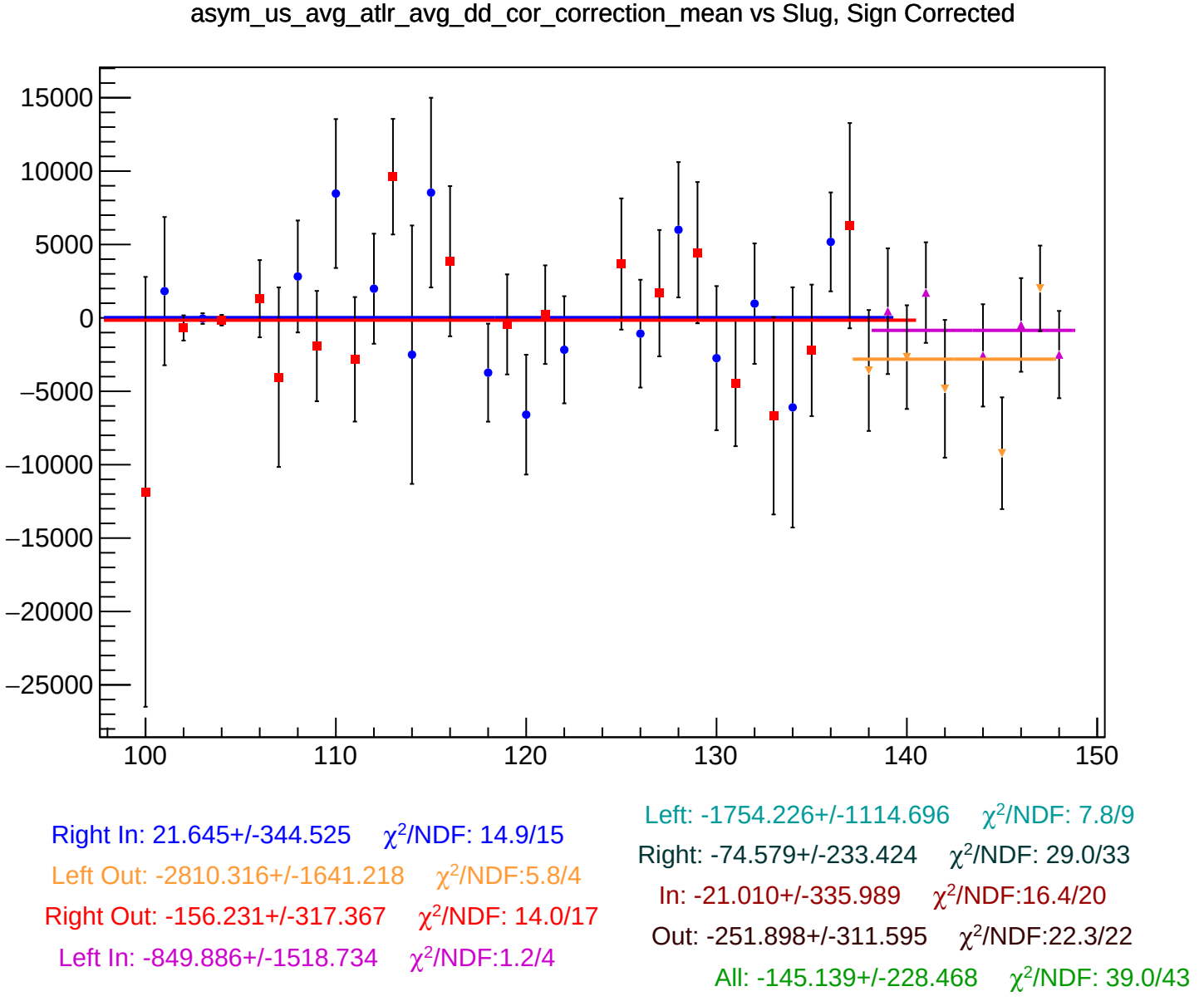
Left: 1158.713+/-0.289 χ^2/NDF: 32753.7/9

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

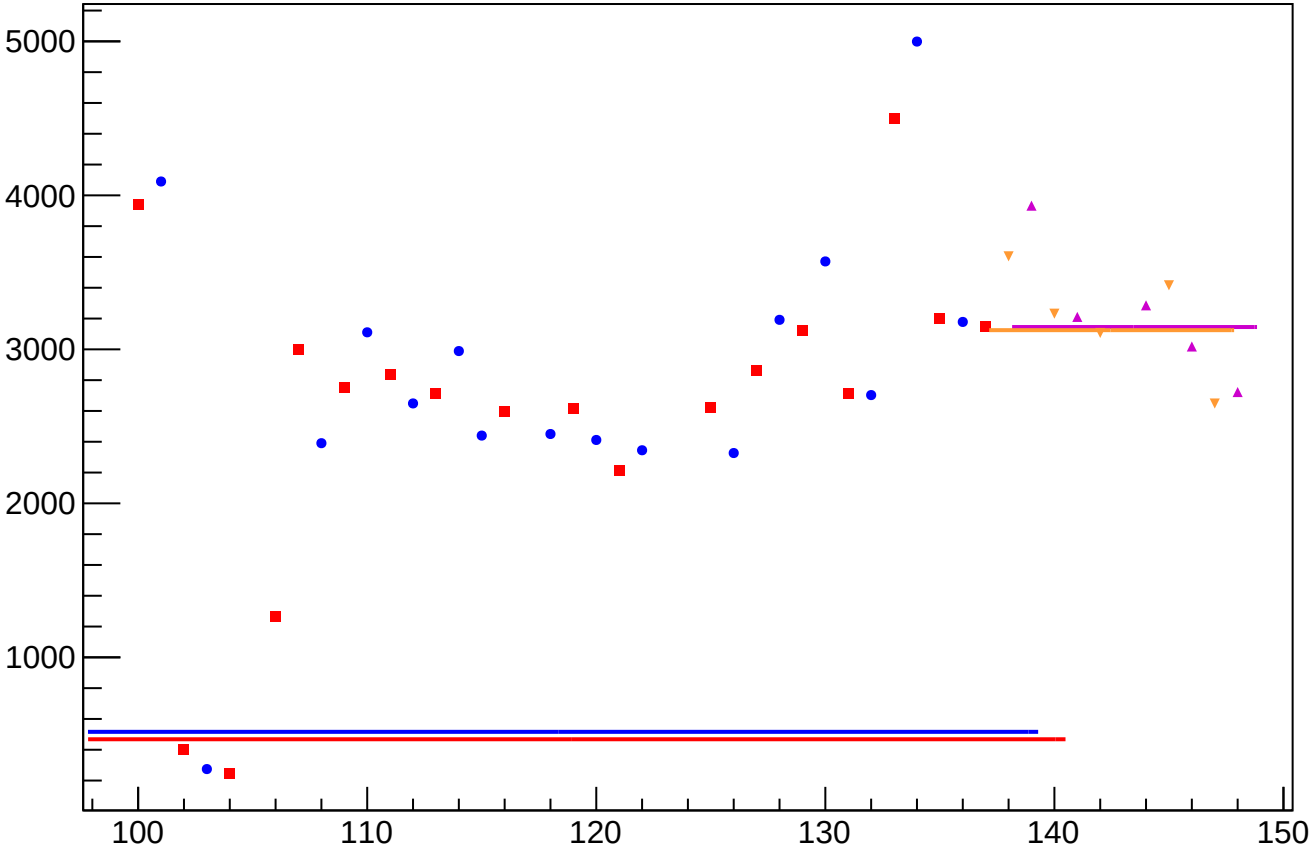
In: 1136.954+/-0.239 χ^2/NDF:640473.7/20

Out: 1147.771+/-0.248 χ^2/NDF:238968.8/22

All: 1142.165+/-0.172 χ^2/NDF: 880425.8/43


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -2810.316+/-1641.218 χ²/NDF:5.8/4
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -849.886+/-1518.734 χ²/NDF:1.2/4
Left: -1754.226+/-1114.696 χ²/NDF: 7.8/9
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -21.010+/-335.989 χ²/NDF:16.4/20
Out: -251.898+/-311.595 χ²/NDF:22.3/22
All: -145.139+/-228.468 χ²/NDF: 39.0/43

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: 3124.622+/-1.161 χ^2/NDF:94105.2/4

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

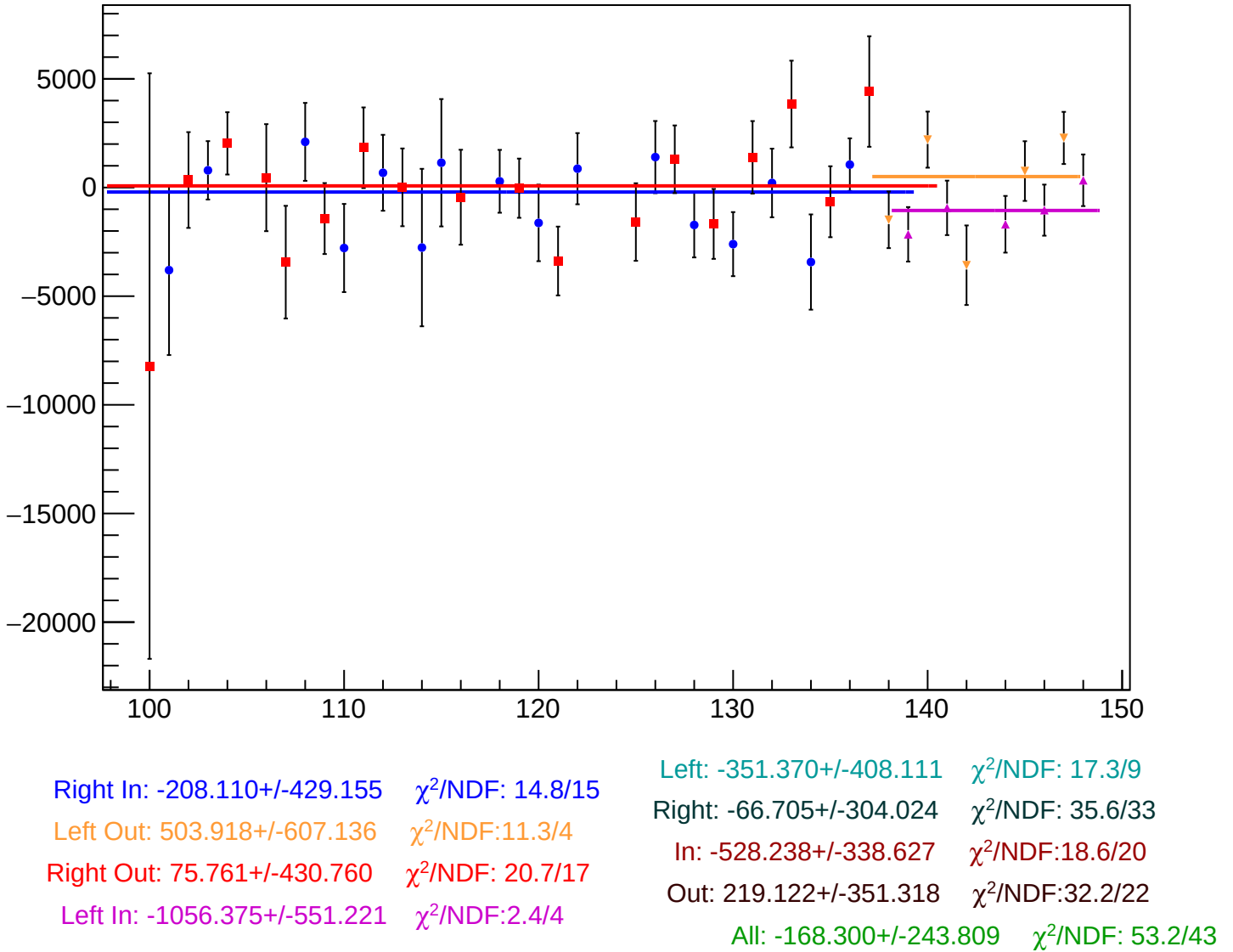
Left: 3135.582+/-0.788 χ^2/NDF: 209489.2/9

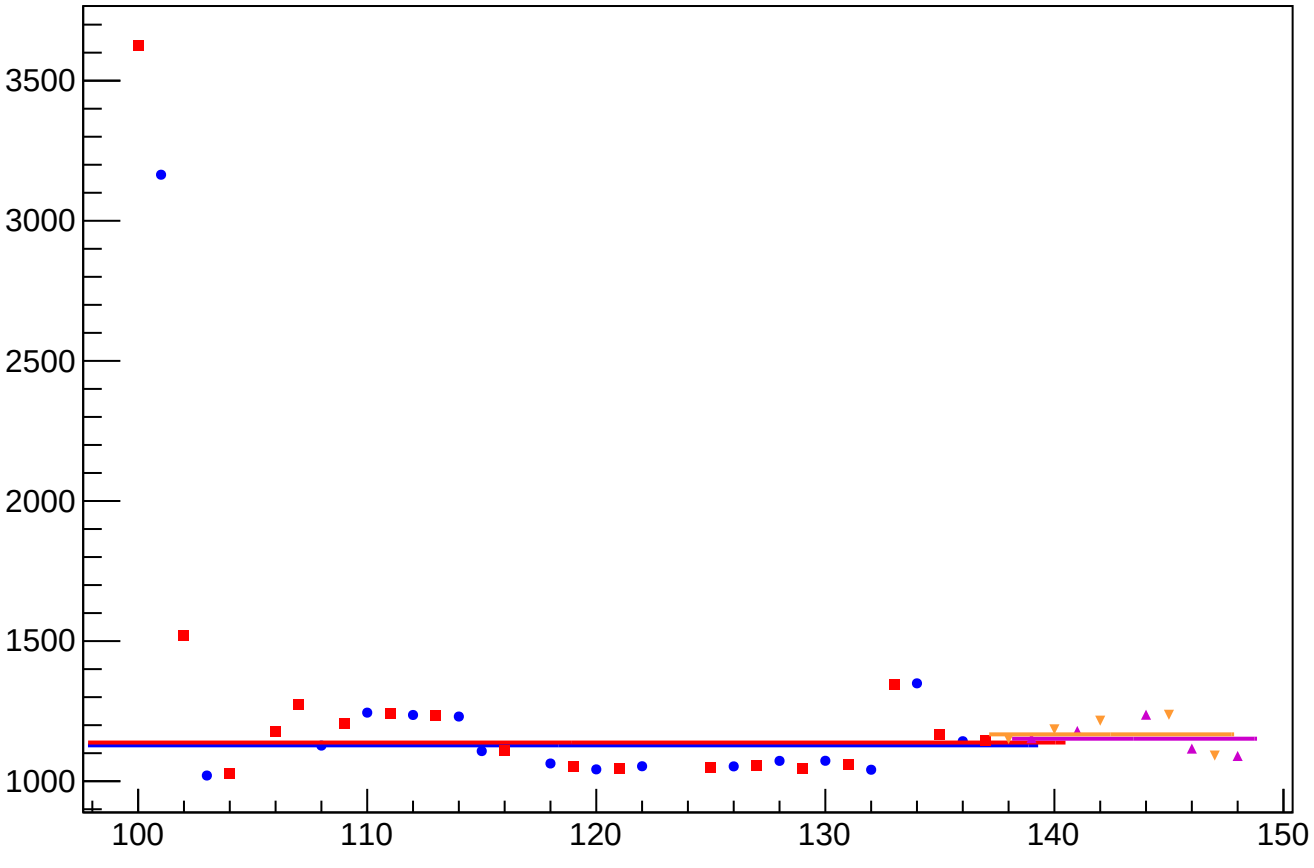
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 644.950+/-0.238 χ^2/NDF:15648192.3/20

Out: 563.816+/-0.220 χ^2/NDF:14256518.3/22

All: 601.331+/-0.162 χ^2/NDF: 29967409.7/43


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.918+/-607.136 χ²/NDF:11.3/4
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -1056.375+/-551.221 χ²/NDF:2.4/4
Left: -351.370+/-408.111 χ²/NDF: 17.3/9
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -528.238+/-338.627 χ²/NDF:18.6/20
Out: 219.122+/-351.318 χ²/NDF:32.2/22
All: -168.300+/-243.809 χ²/NDF: 53.2/43



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1151.714+/-0.390 χ^2/NDF:16774.9/4

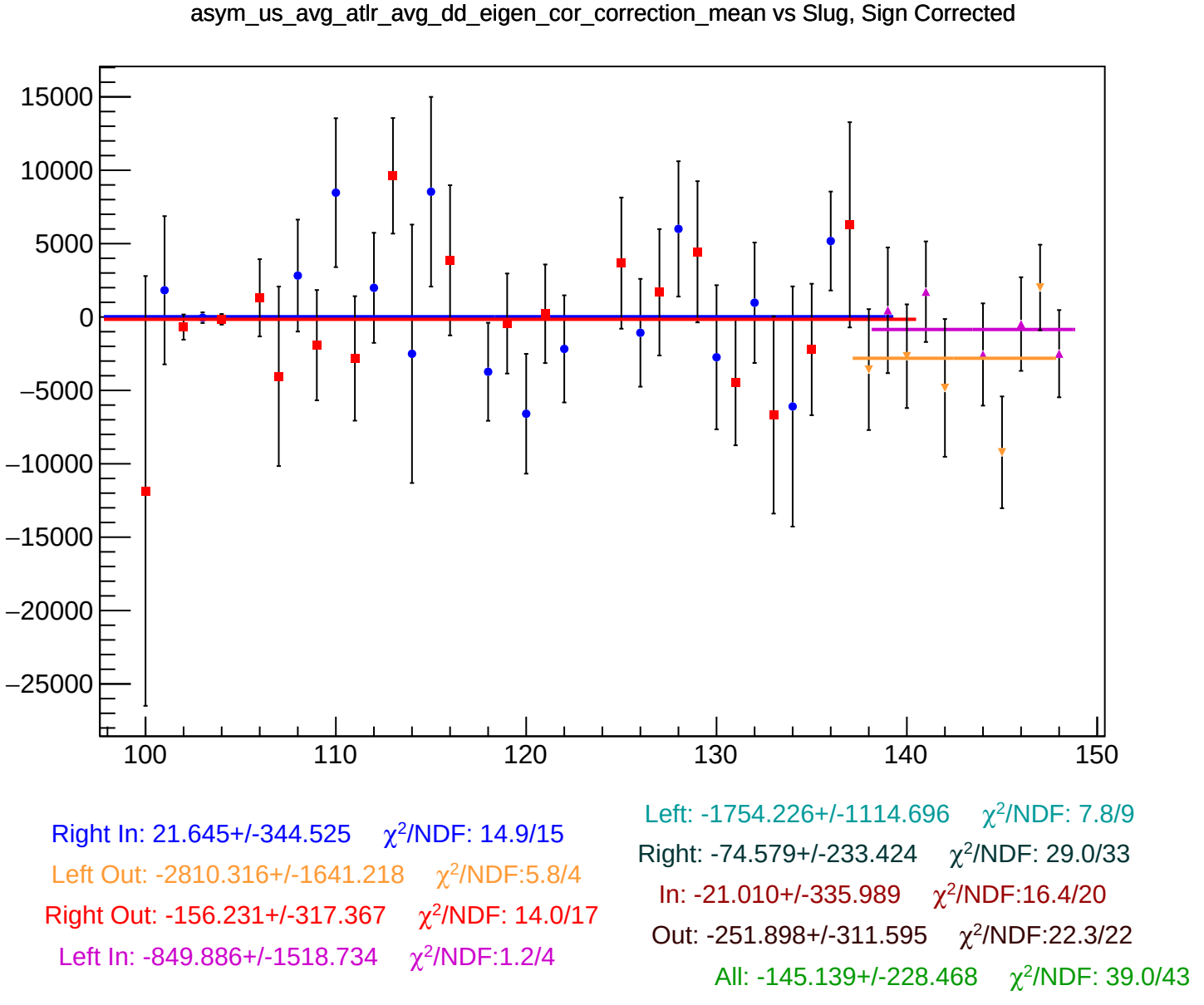
Left: 1158.713+/-0.289 χ^2/NDF: 32753.7/9

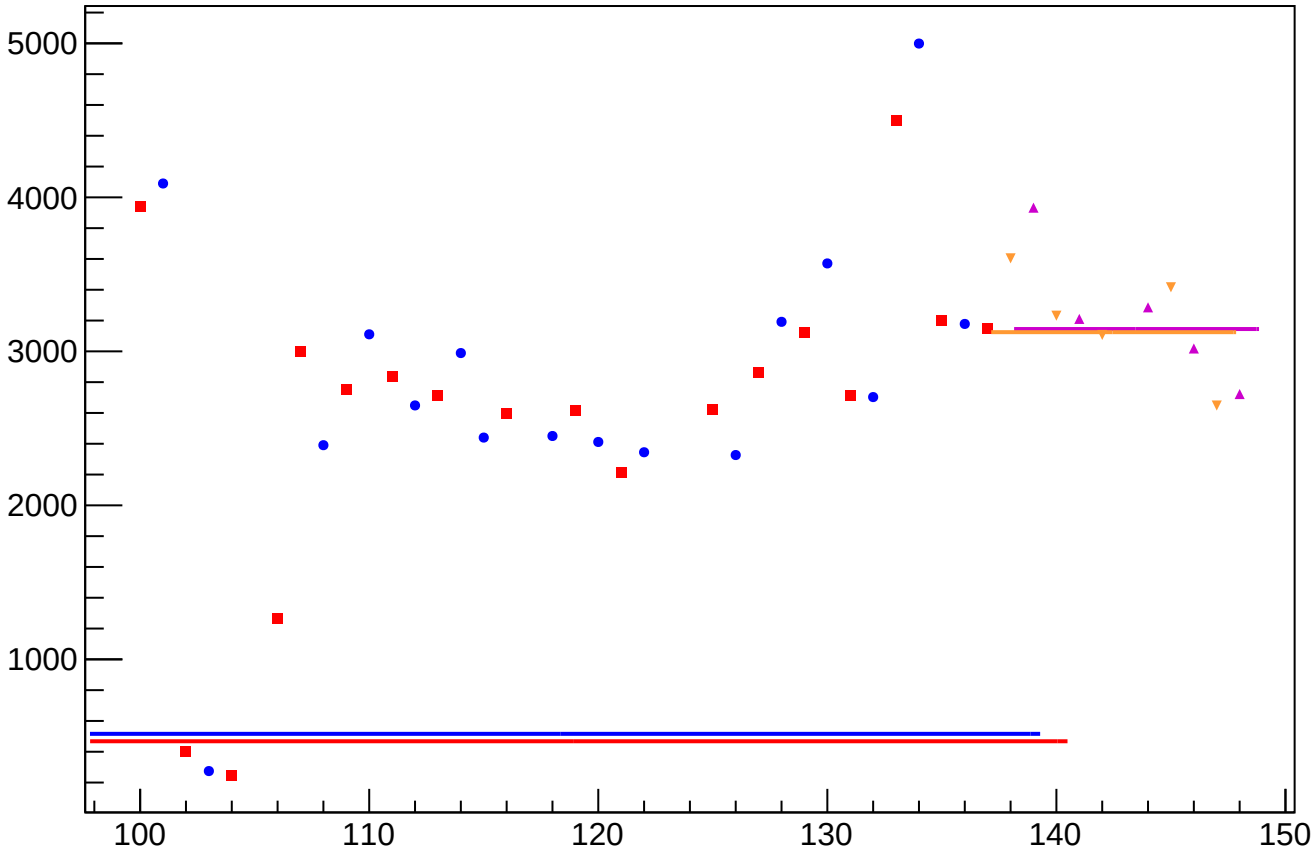
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1136.954+/-0.239 χ^2/NDF:640473.7/20

Out: 1147.771+/-0.248 χ^2/NDF:238968.8/22

All: 1142.165+/-0.172 χ^2/NDF: 880425.8/43


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -2810.316+/-1641.218 χ²/NDF:5.8/4
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -849.886+/-1518.734 χ²/NDF:1.2/4
Left: -1754.226+/-1114.696 χ²/NDF: 7.8/9
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -21.010+/-335.989 χ²/NDF:16.4/20
Out: -251.898+/-311.595 χ²/NDF:22.3/22
All: -145.139+/-228.468 χ²/NDF: 39.0/43



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3124.622+/-1.161 χ^2/NDF:94105.2/4

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

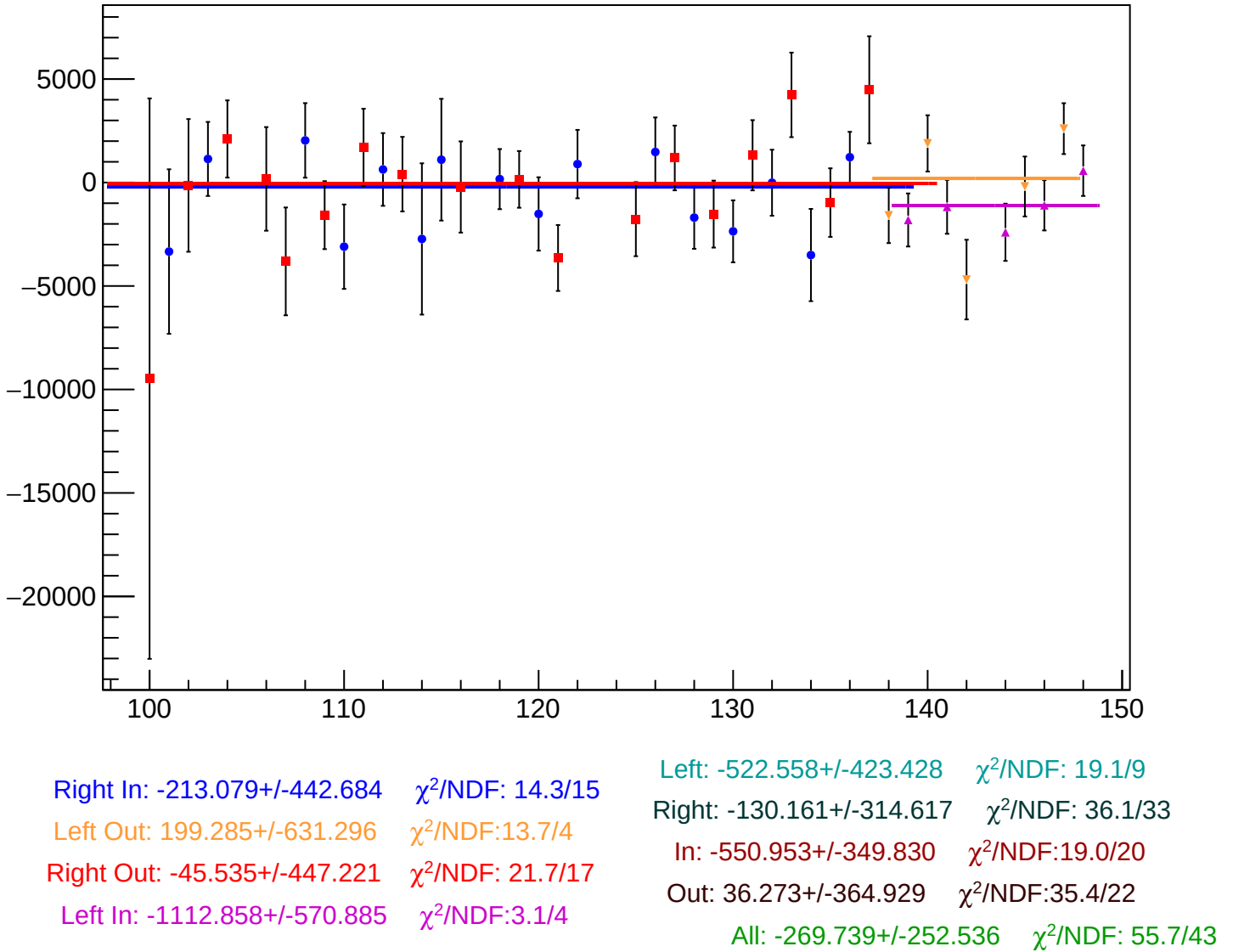
Left: 3135.582+/-0.788 χ^2/NDF: 209489.2/9

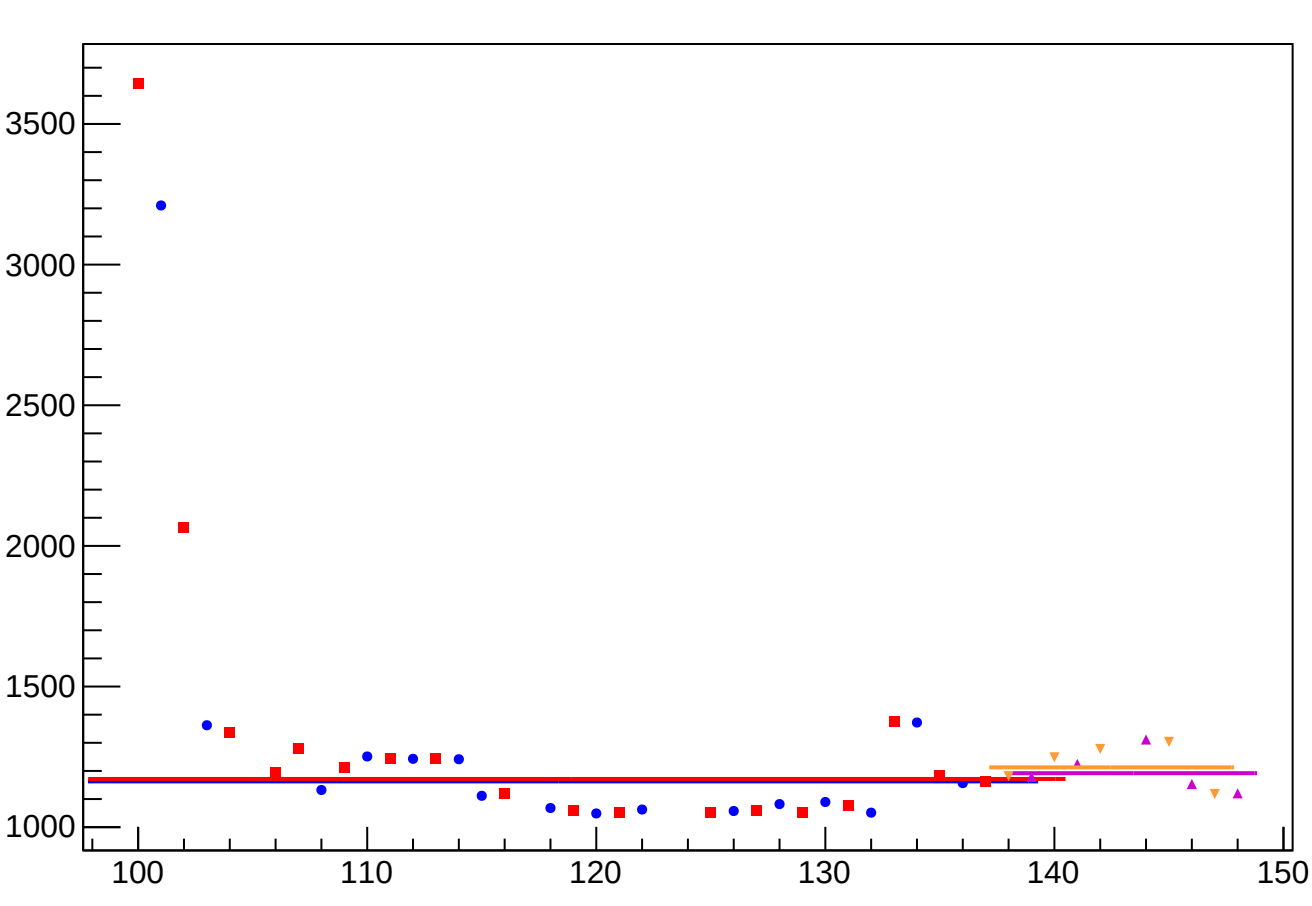
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 644.950+/-0.238 χ^2/NDF:15648192.3/20

Out: 563.816+/-0.220 χ^2/NDF:14256518.3/22

All: 601.331+/-0.162 χ^2/NDF: 29967409.7/43


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 199.285+/-631.296 χ²/NDF:13.7/4
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -1112.858+/-570.885 χ²/NDF:3.1/4
Left: -522.558+/-423.428 χ²/NDF: 19.1/9
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -550.953+/-349.830 χ²/NDF:19.0/20
Out: 36.273+/-364.929 χ²/NDF:35.4/22
All: -269.739+/-252.536 χ²/NDF: 55.7/43



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1212.589+/-0.446 χ^2/NDF:24506.5/4

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1191.997+/-0.404 χ^2/NDF:25363.6/4

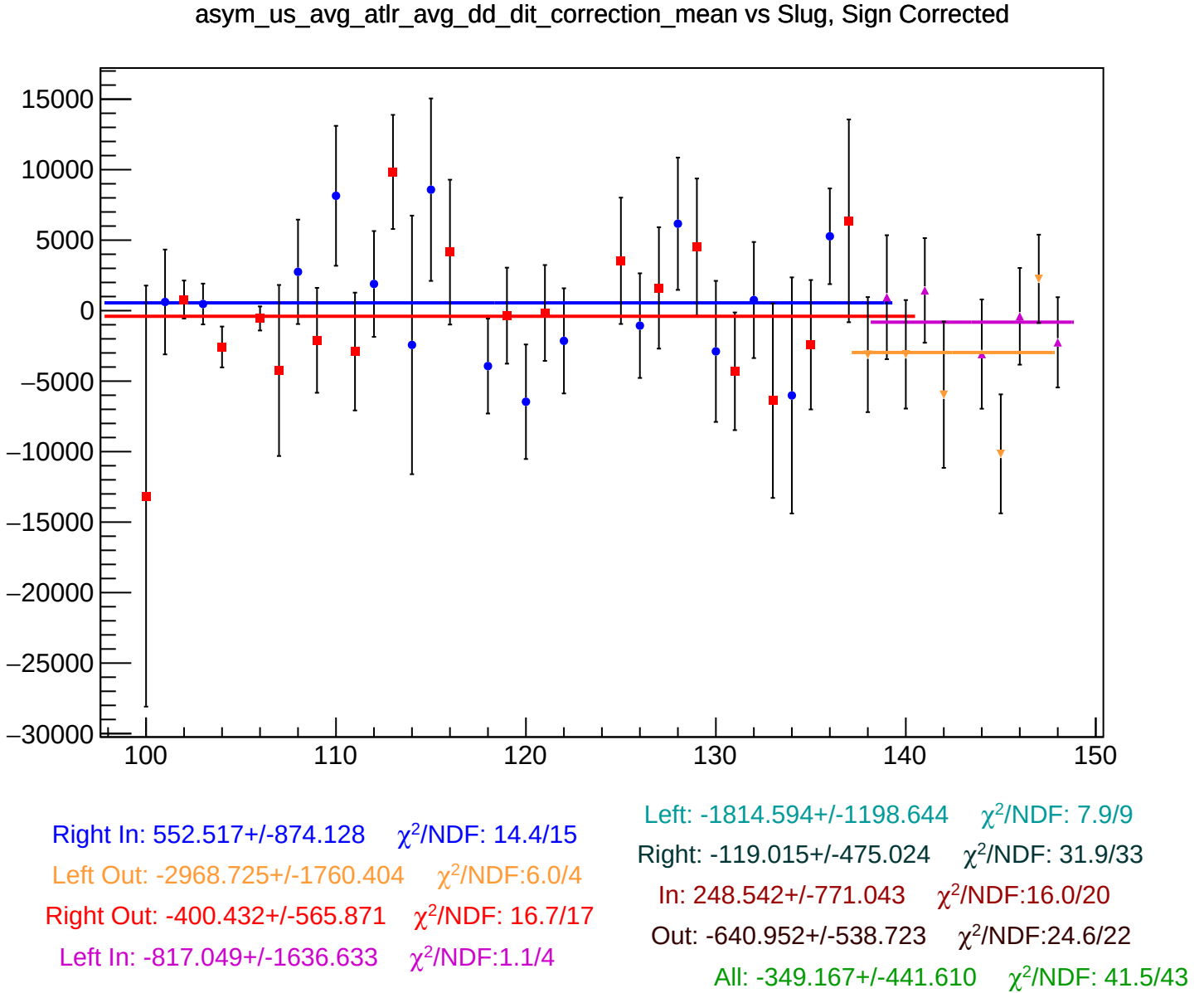
Left: 1201.261+/-0.299 χ^2/NDF: 51040.7/9

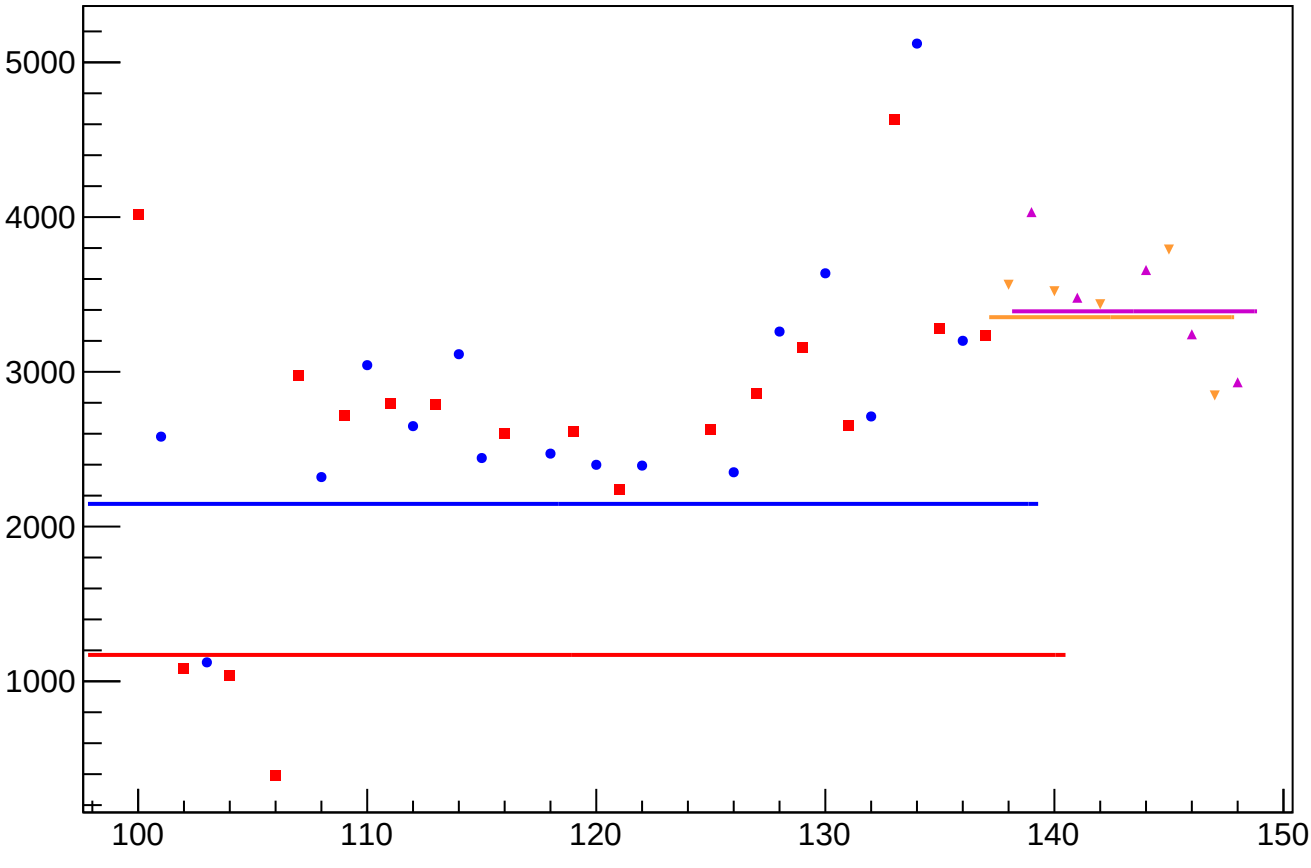
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1173.796+/-0.247 χ^2/NDF:663972.4/20

Out: 1185.168+/-0.258 χ^2/NDF:361812.4/22

All: 1179.244+/-0.179 χ^2/NDF: 1026797.3/43


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -2968.725+/-1760.404 χ²/NDF:6.0/4
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -817.049+/-1636.633 χ²/NDF:1.1/4
Left: -1814.594+/-1198.644 χ²/NDF: 7.9/9
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: 248.542+/-771.043 χ²/NDF:16.0/20
Out: -640.952+/-538.723 χ²/NDF:24.6/22
All: -349.167+/-441.610 χ²/NDF: 41.5/43



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3353.178+/-1.245 χ^2/NDF:83149.9/4

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3391.033+/-1.157 χ^2/NDF:97903.8/4

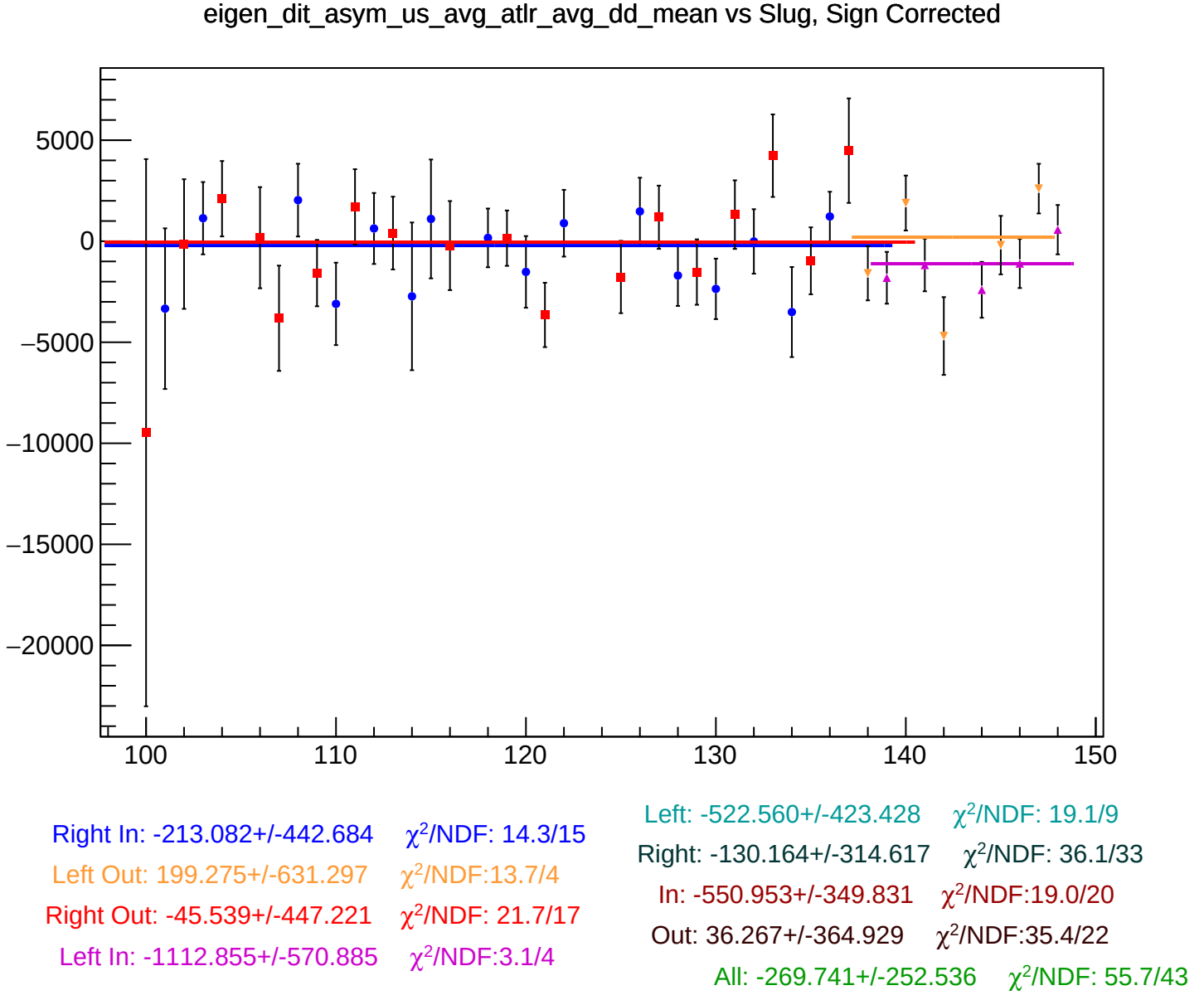
Left: 3373.483+/-0.848 χ^2/NDF: 181549.8/9

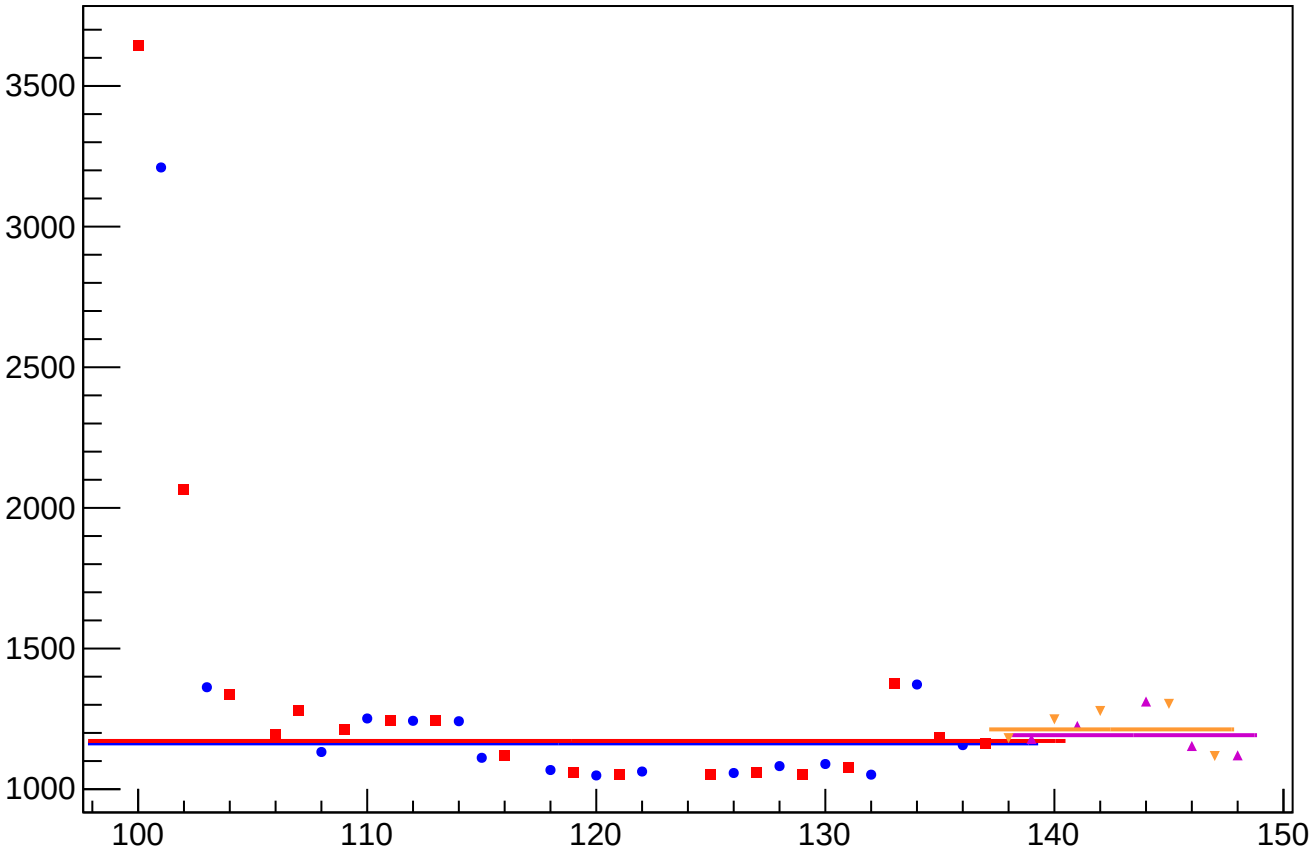
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2422.814+/-0.545 χ^2/NDF:2972263.7/20

Out: 1374.973+/-0.381 χ^2/NDF:8687079.5/22

All: 1718.702+/-0.312 χ^2/NDF: 14141390.4/4


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 199.275+/-631.297 χ²/NDF:13.7/4
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -1112.855+/-570.885 χ²/NDF:3.1/4
Left: -522.560+/-423.428 χ²/NDF: 19.1/9
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -550.953+/-349.831 χ²/NDF:19.0/20
Out: 36.267+/-364.929 χ²/NDF:35.4/22
All: -269.741+/-252.536 χ²/NDF: 55.7/43



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1212.590+/-0.446 χ^2/NDF:24506.9/4

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1191.998+/-0.404 χ^2/NDF:25363.6/4

Left: 1201.262+/-0.299 χ^2/NDF: 51041.1/9

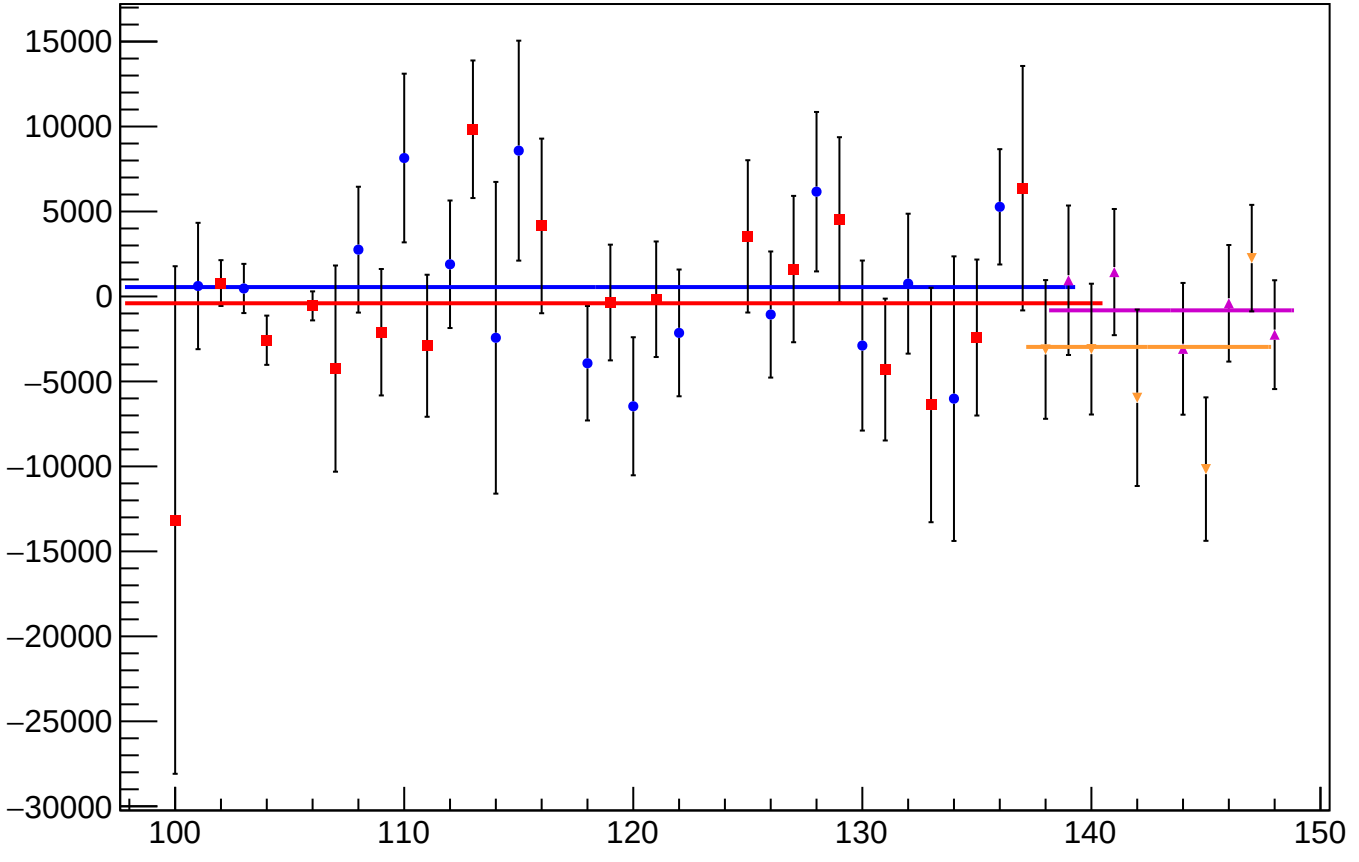
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1173.796+/-0.247 χ^2/NDF:663972.8/20

Out: 1185.169+/-0.258 χ^2/NDF:361812.6/22

All: 1179.244+/-0.179 χ^2/NDF: 1026798.0/43

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -2968.731+/-1760.407 χ^2/NDF:6.0/4

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -817.045+/-1636.635 χ^2/NDF:1.1/4

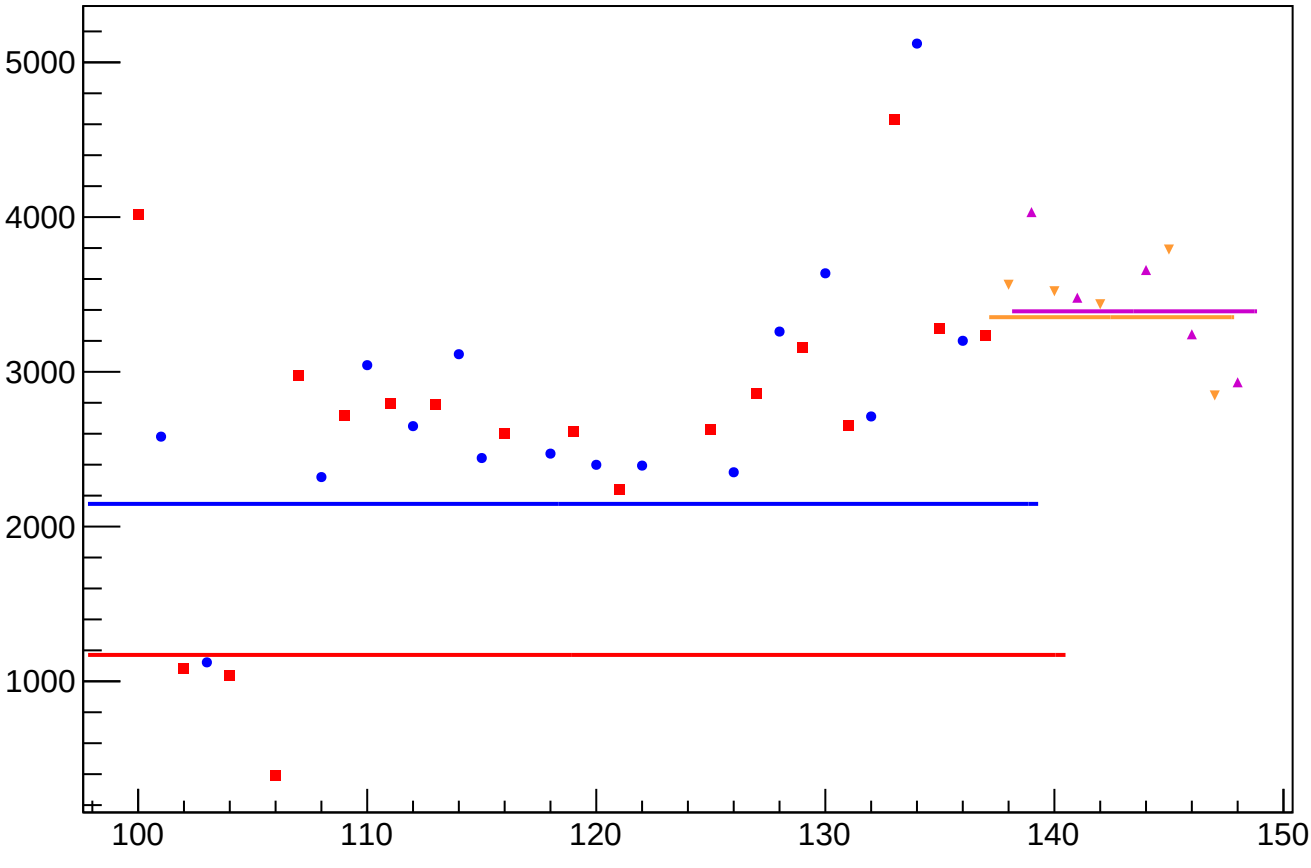
Left: -1814.595+/-1198.646 χ^2/NDF: 7.9/9

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 248.539+/-771.042 χ^2/NDF:16.0/20

Out: -640.947+/-538.717 χ^2/NDF:24.6/22

All: -349.169+/-441.606 χ^2/NDF: 41.5/43



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3353.182+/-1.245 χ^2/NDF:83150.8/4

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3391.037+/-1.157 χ^2/NDF:97904.7/4

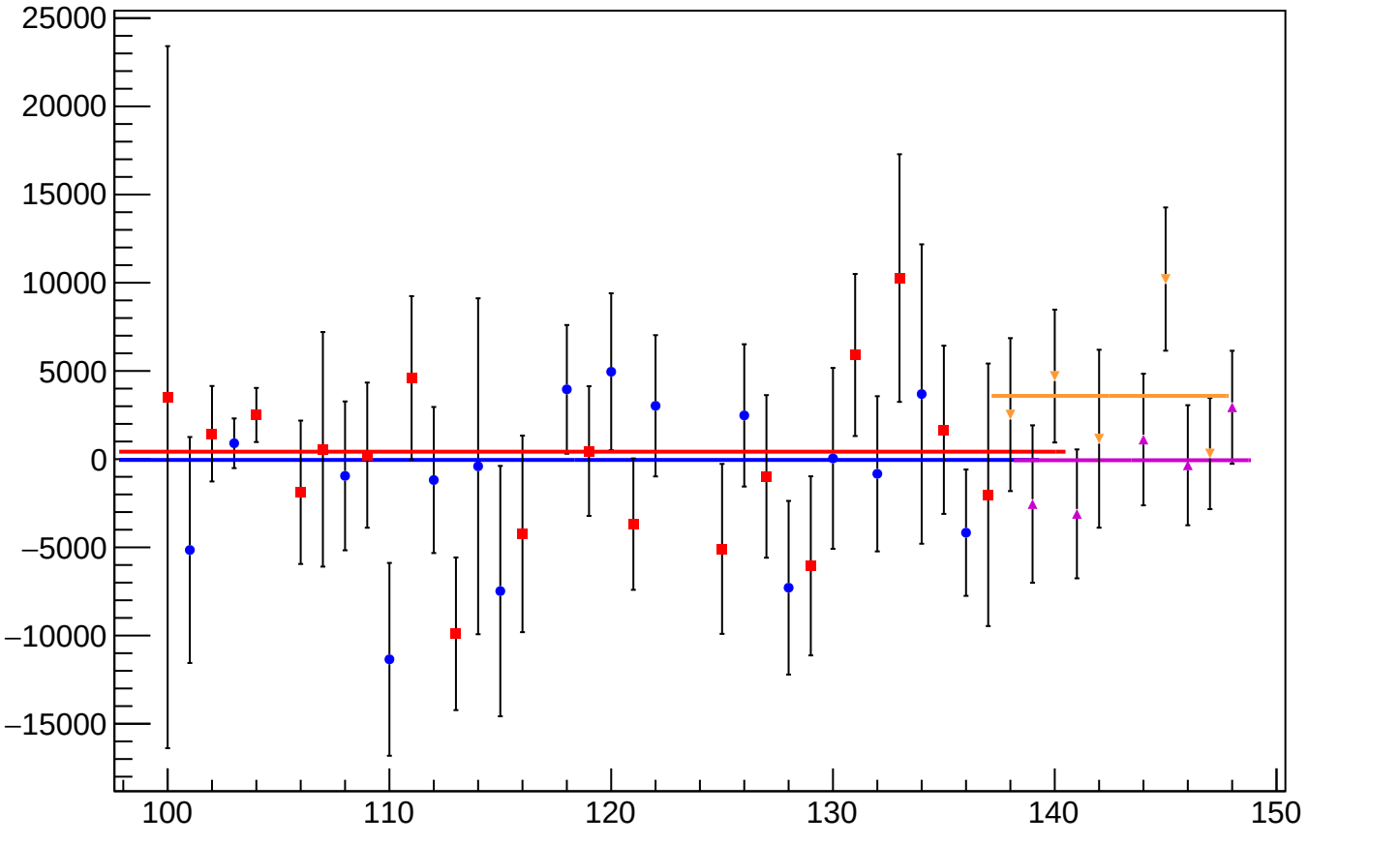
Left: 3373.487+/-0.848 χ^2/NDF: 181551.5/9

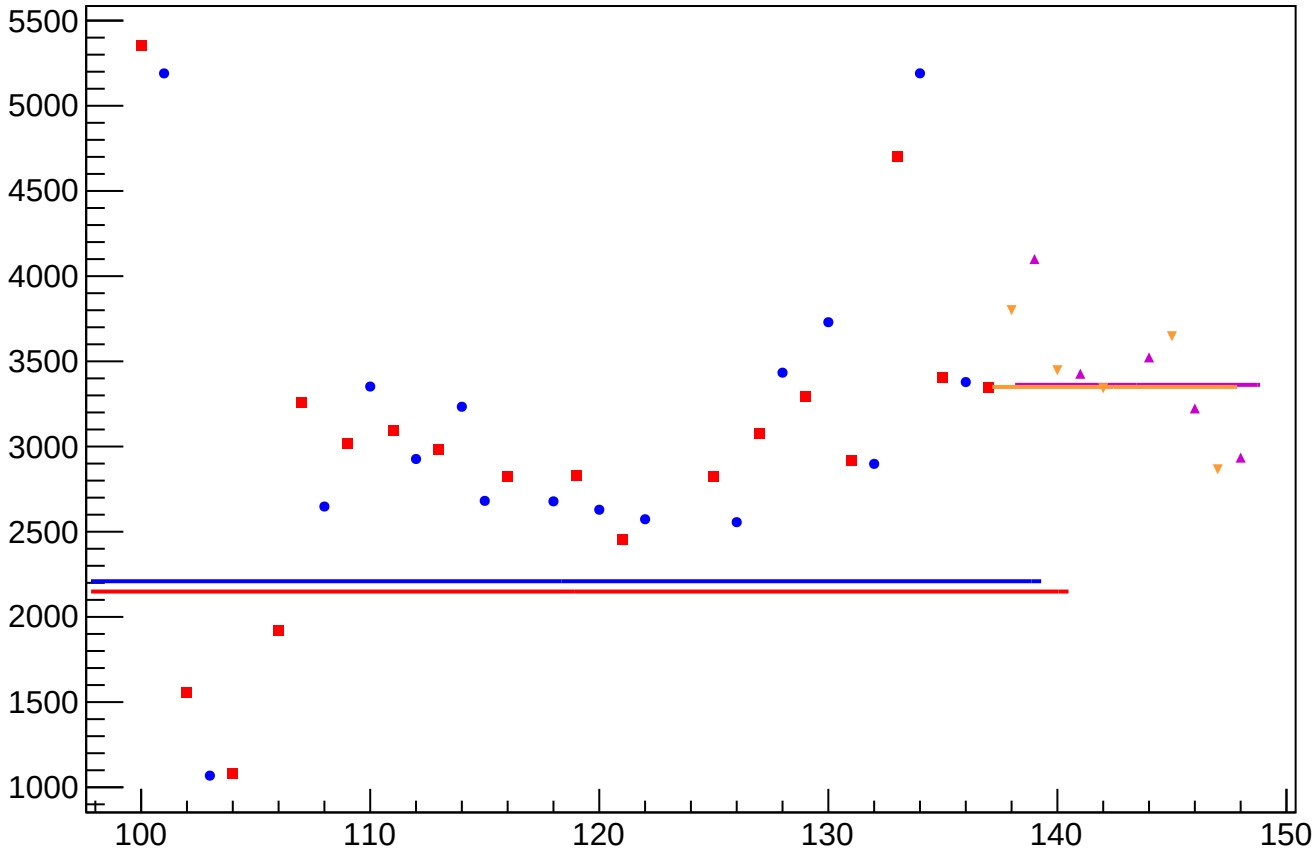
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2422.812+/-0.545 χ^2/NDF:2972269.4/20

Out: 1374.948+/-0.381 χ^2/NDF:8687276.6/22

All: 1718.679+/-0.312 χ^2/NDF: 14141722.0/4


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 3587.878+/-1756.068 χ²/NDF:4.1/4
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: -60.512+/-1620.740 χ²/NDF:2.0/4
Left: 1617.706+/-1191.008 χ²/NDF: 8.4/9
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -48.690+/-800.570 χ²/NDF:15.7/20
Out: 1077.968+/-798.634 χ²/NDF:24.0/22
All: 516.003+/-565.402 χ²/NDF: 40.8/43



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3349.682+/-1.242 χ^2/NDF:80767.3/4

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3362.048+/-1.146 χ^2/NDF:97965.9/4

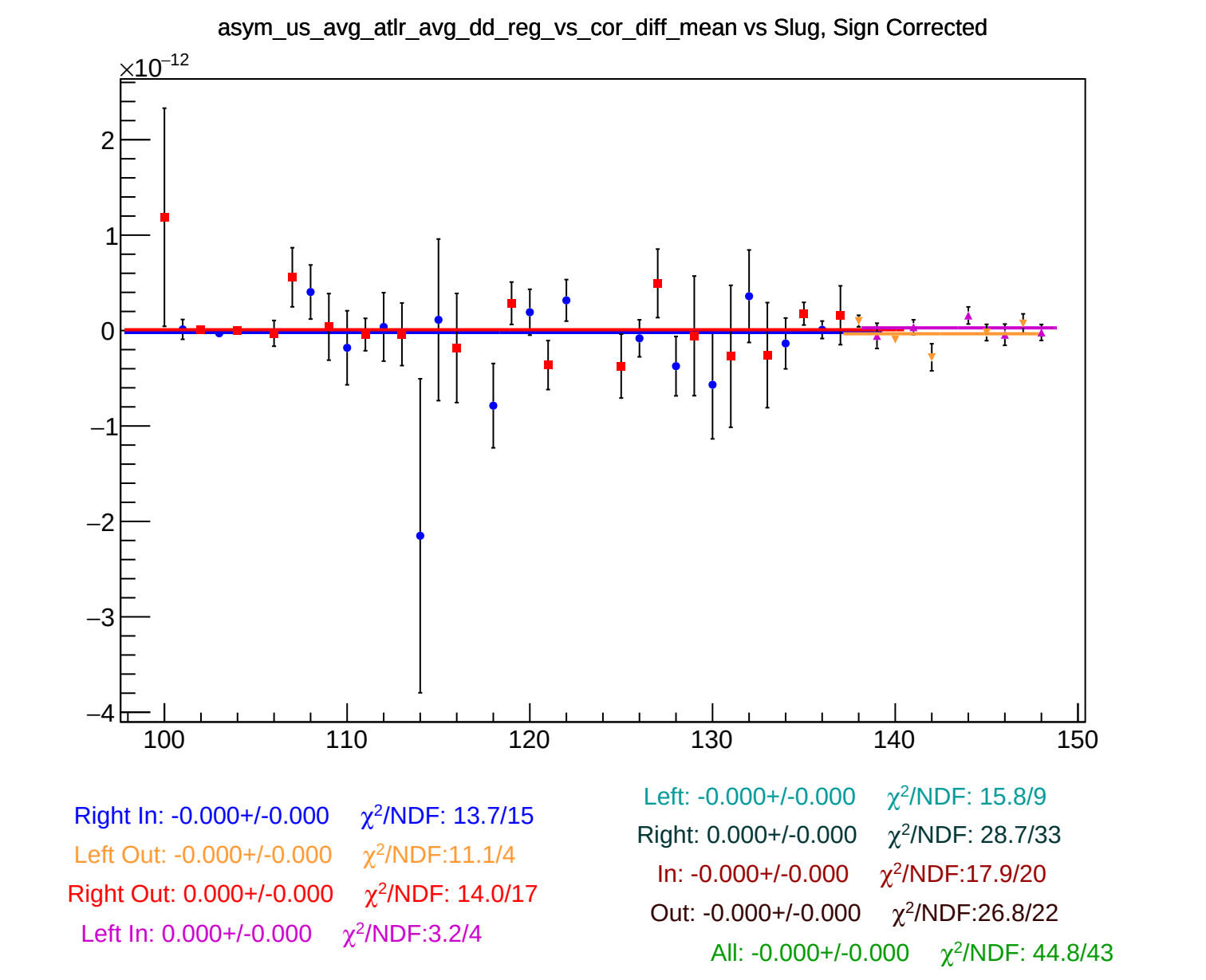
Left: 3356.360+/-0.842 χ^2/NDF: 178786.7/9

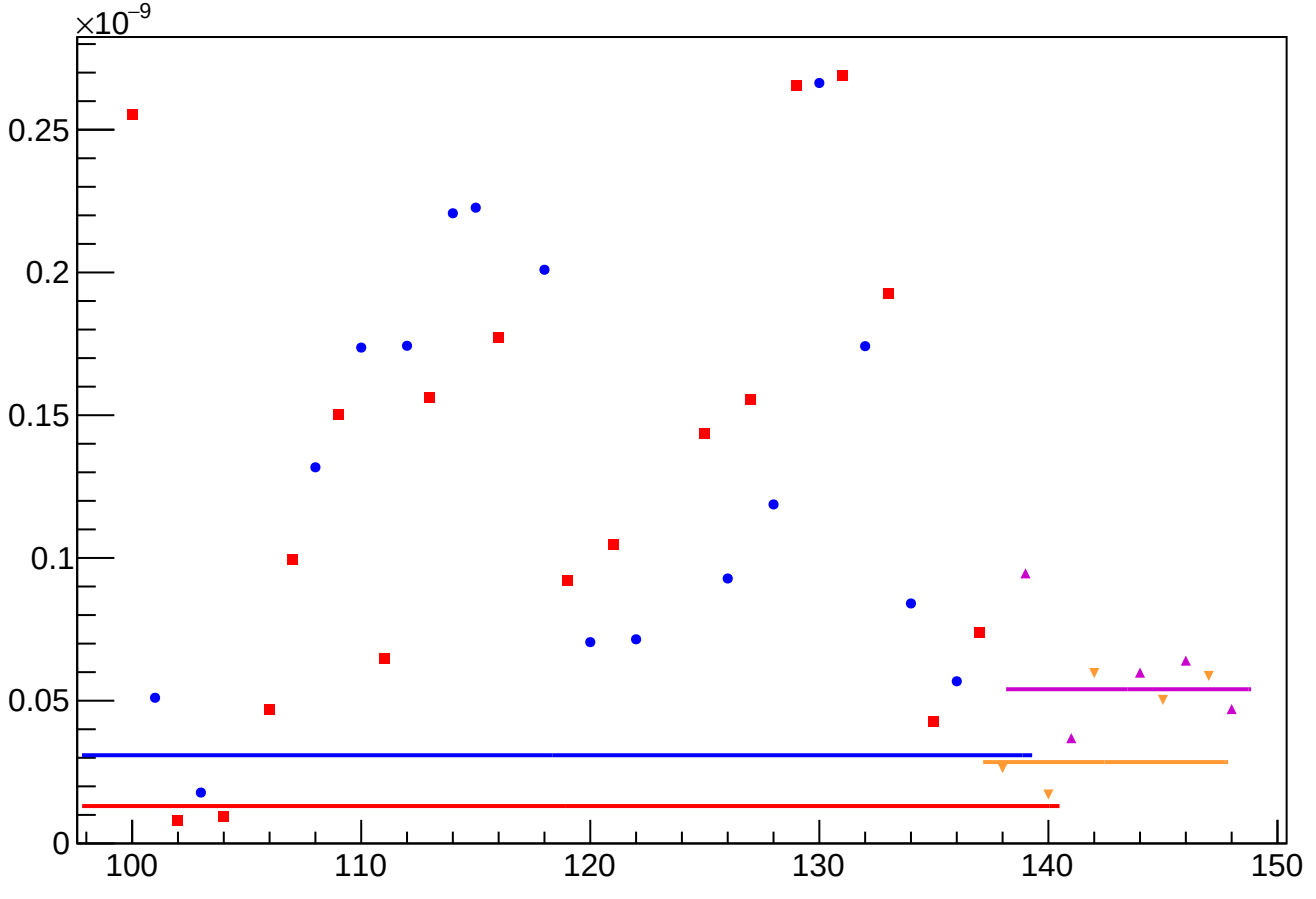
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2490.595+/-0.566 χ^2/NDF:3699669.0/20

Out: 2396.353+/-0.564 χ^2/NDF:3092825.5/22

All: 2443.270+/-0.399 χ^2/NDF: 6806411.9/43


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:11.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:3.2/4
Left: -0.000+/-0.000 χ²/NDF: 15.8/9
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: -0.000+/-0.000 χ²/NDF:17.9/20
Out: -0.000+/-0.000 χ²/NDF:26.8/22
All: -0.000+/-0.000 χ²/NDF: 44.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:557515.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:323524.6/4

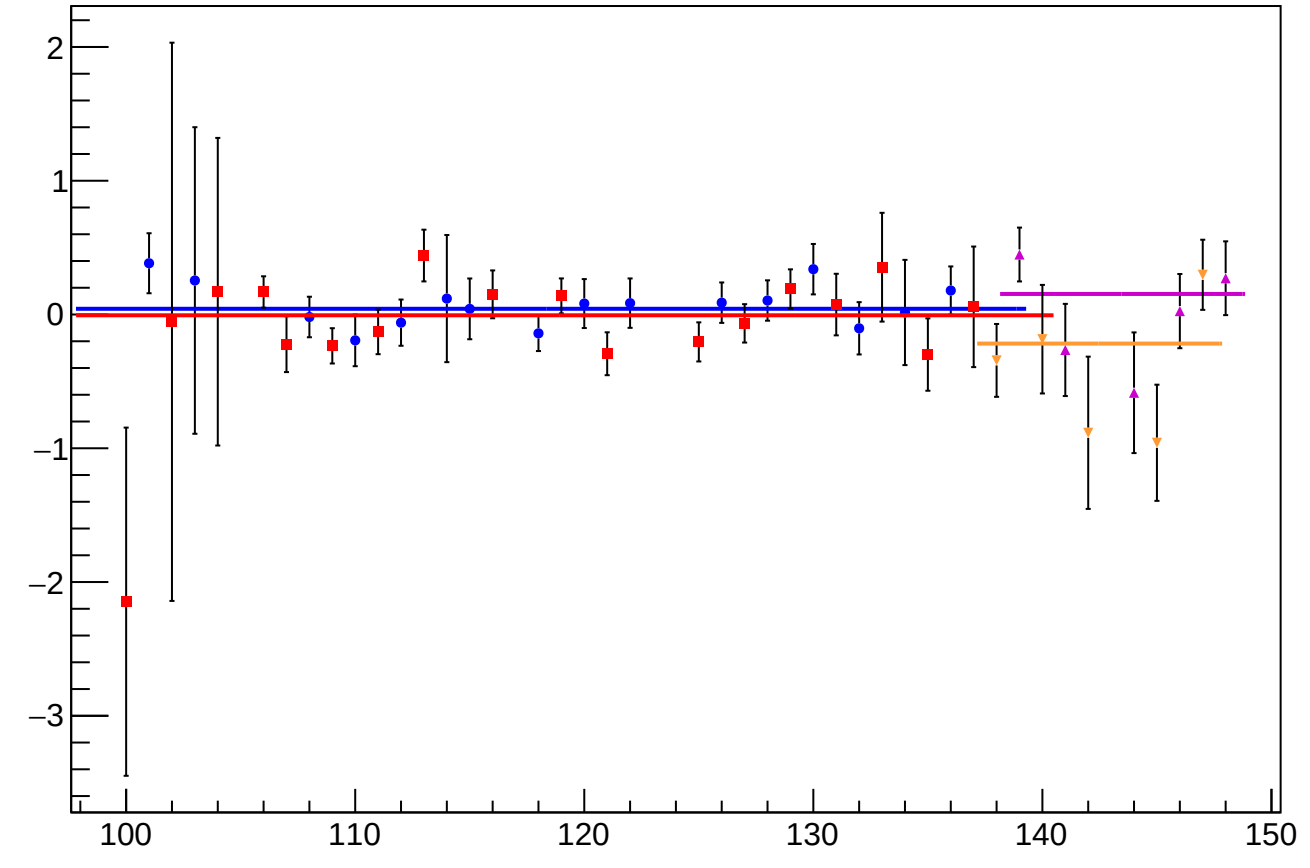
Left: 0.000+/-0.000 χ^2/NDF: 1377456.3/9

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3766142.1/20

Out: 0.000+/-0.000 χ^2/NDF:4653029.5/22

All: 0.000+/-0.000 χ^2/NDF: 9761940.8/43



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.154+/-0.125 χ^2/NDF:6.7/4

Left: 0.006+/-0.097 χ^2/NDF: 18.6/9

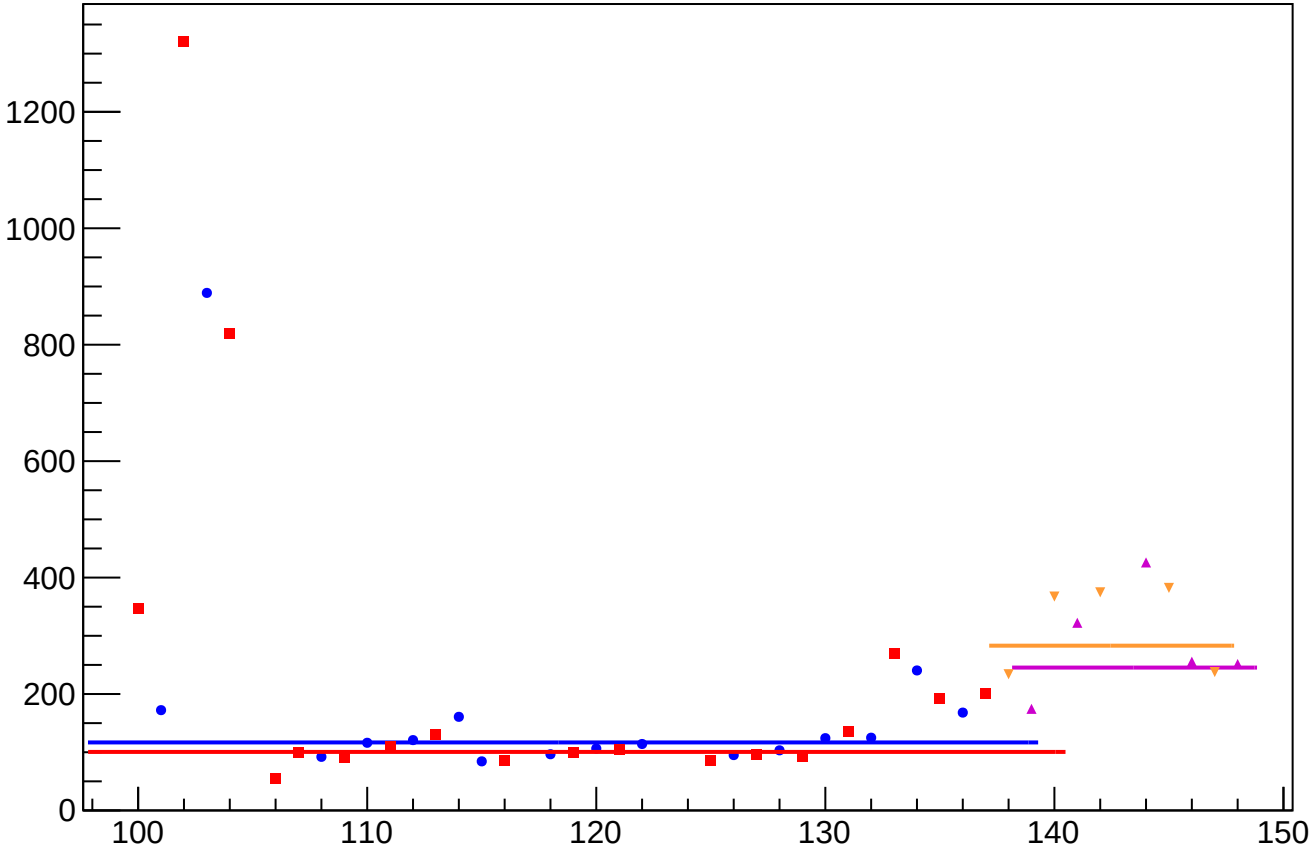
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.6/20

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.015+/-0.030 χ^2/NDF: 55.5/43

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: 283.039+/-0.108 χ^2/NDF:367400.1/4

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.417+/-0.088 χ^2/NDF:671807.9/4

Left: 260.406+/-0.068 χ^2/NDF: 1111580.6/9

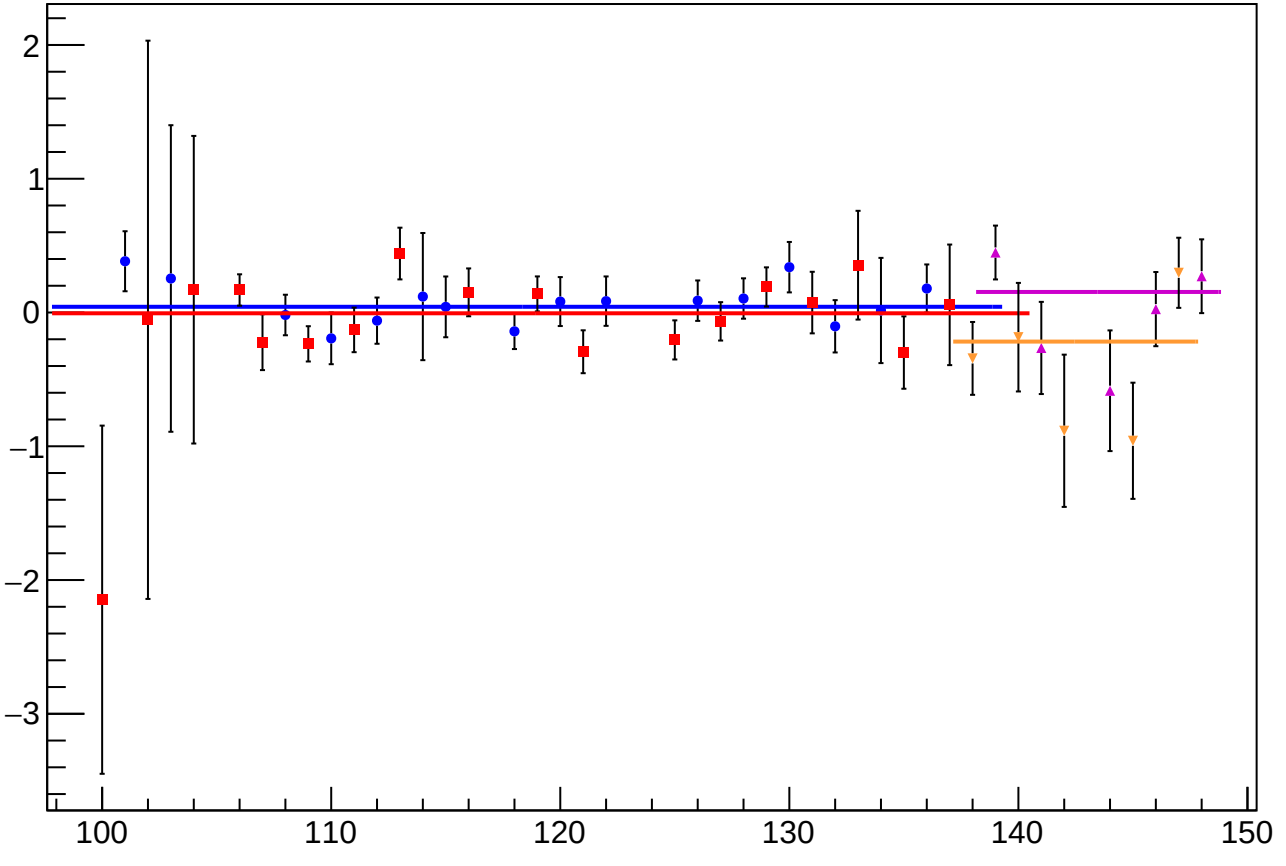
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 133.082+/-0.031 χ^2/NDF:4146303.1/20

Out: 114.058+/-0.030 χ^2/NDF:5652678.8/22

All: 122.991+/-0.021 χ^2/NDF: 9994022.4/43

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: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.154+/-0.125 χ^2/NDF:6.7/4

Left: 0.006+/-0.097 χ^2/NDF: 18.6/9

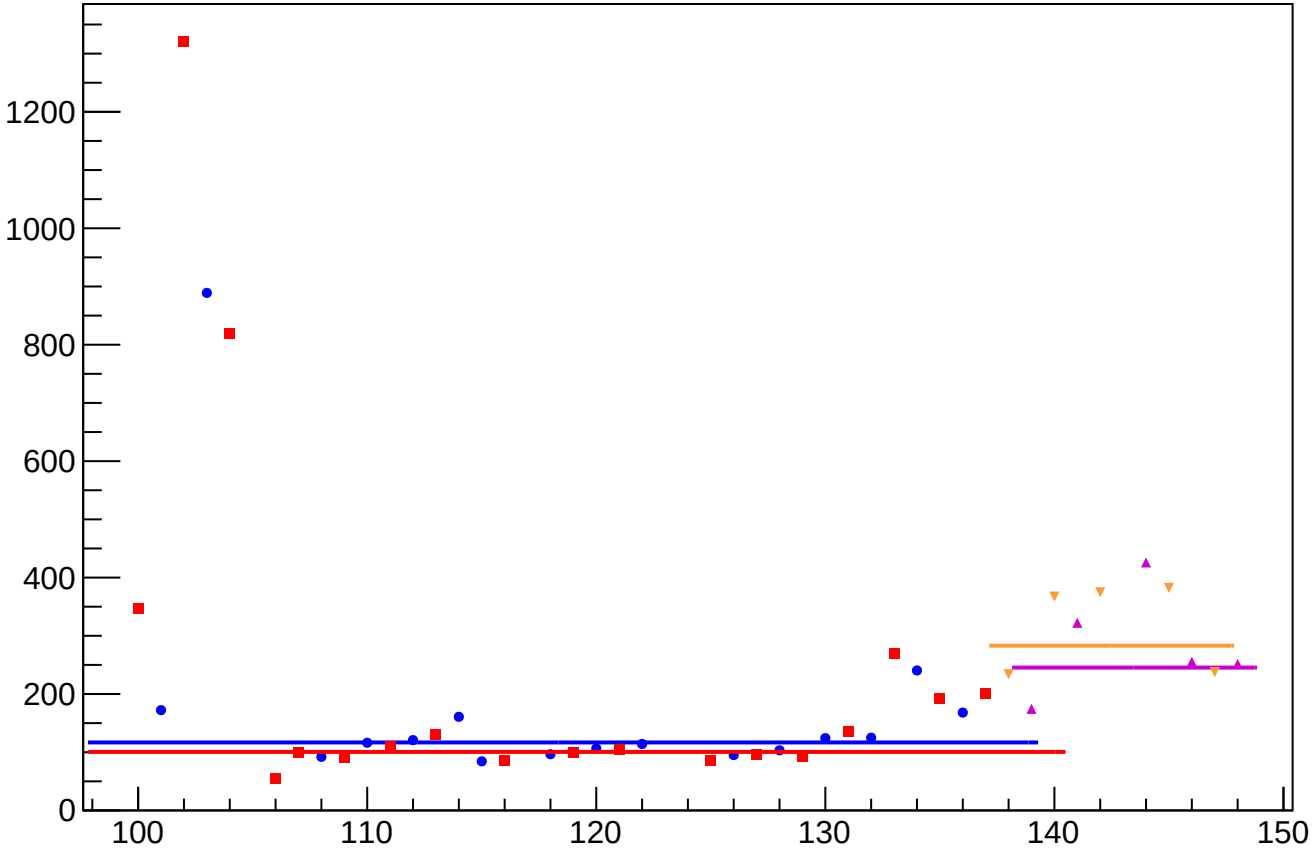
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.6/20

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.015+/-0.030 χ^2/NDF: 55.5/43

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: 283.039+/-0.108 χ^2/NDF:367400.1/4

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 245.417+/-0.088 χ^2/NDF:671807.9/4

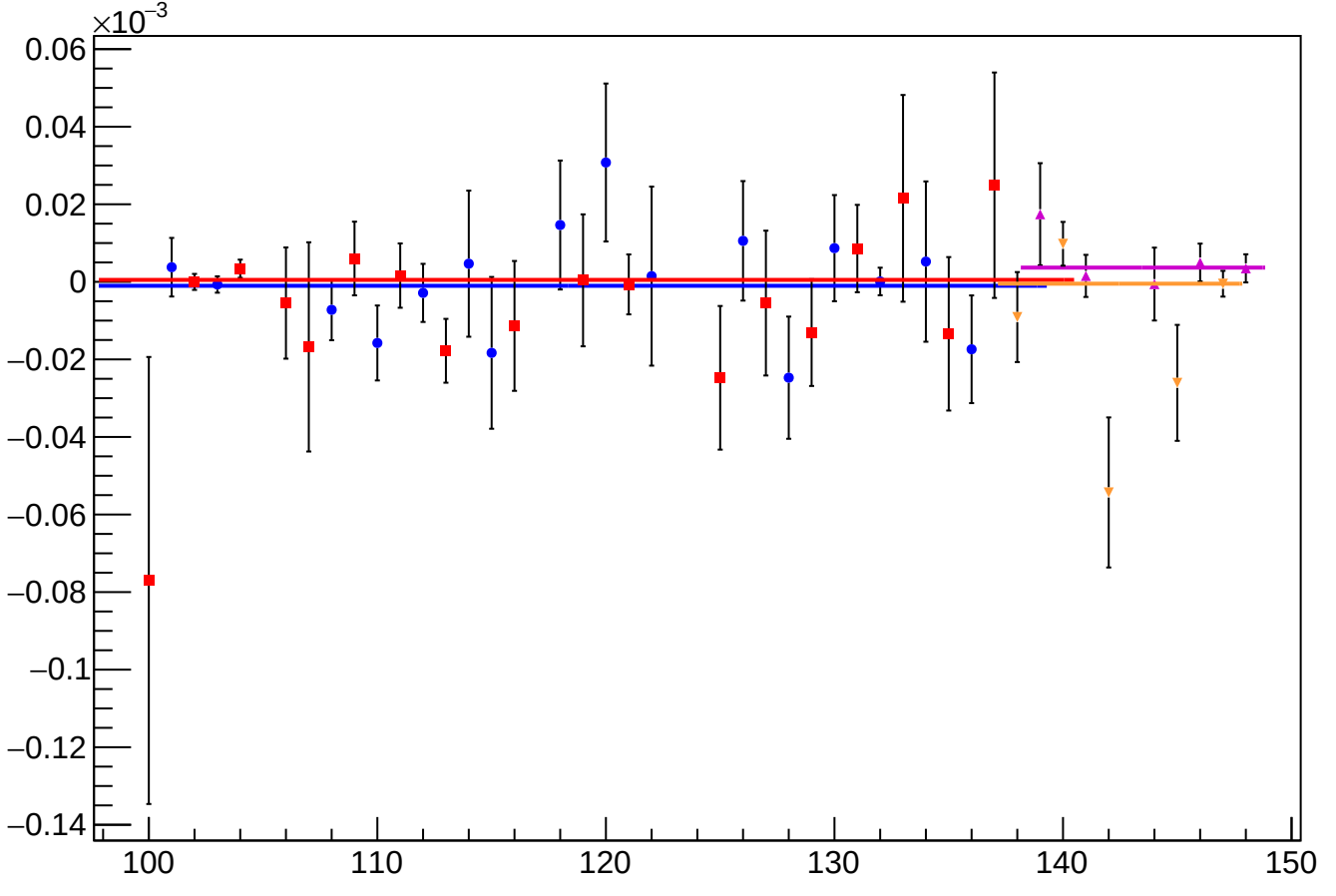
Left: 260.406+/-0.068 χ^2/NDF: 1111580.6/9

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 133.082+/-0.031 χ^2/NDF:4146303.1/20

Out: 114.058+/-0.030 χ^2/NDF:5652678.8/22

All: 122.991+/-0.021 χ^2/NDF: 9994022.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

Left: 0.000+/-0.000 χ^2/NDF: 17.4/9

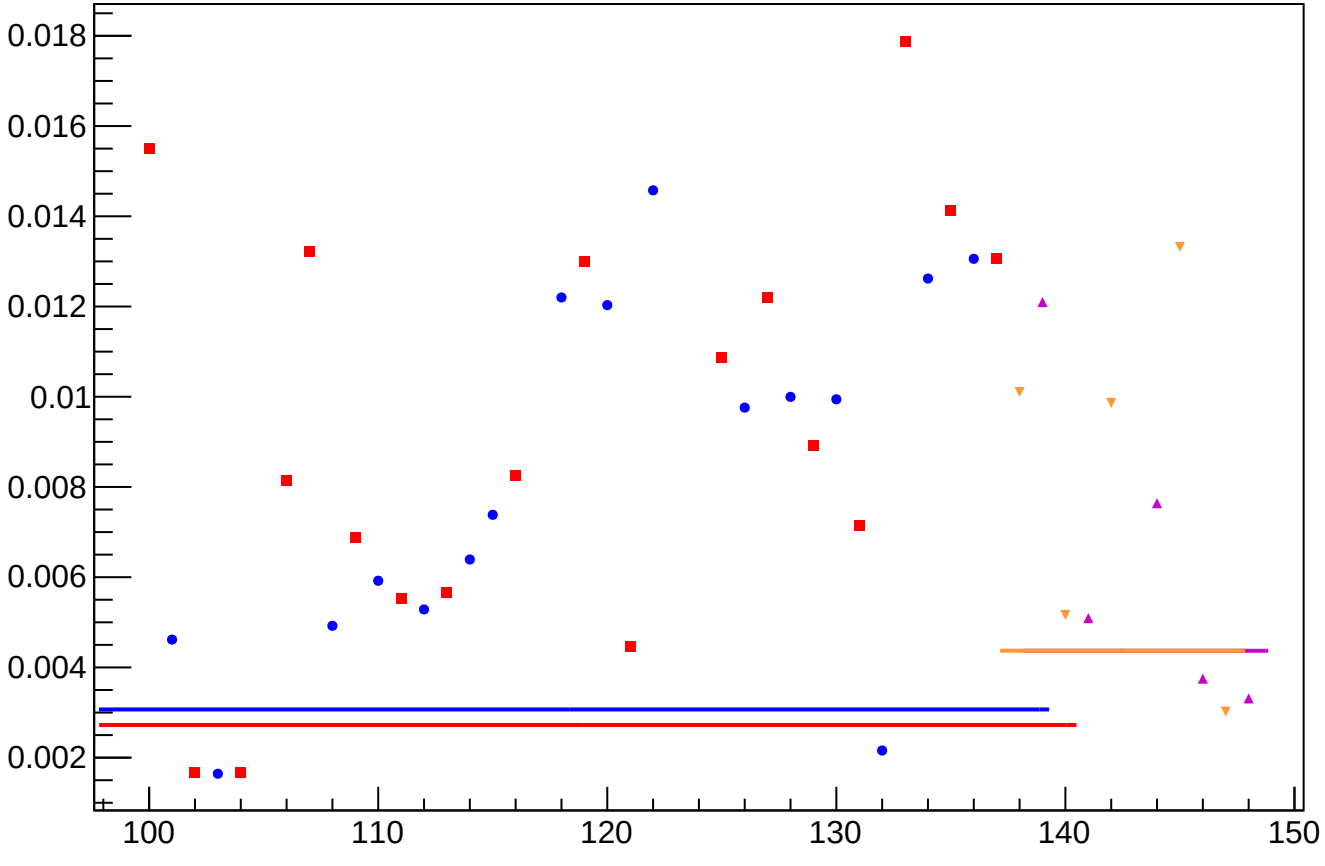
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:16.7/20

Out: 0.000+/-0.000 χ^2/NDF:29.7/22

All: 0.000+/-0.000 χ^2/NDF: 46.4/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1736191.4/4

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1168796.1/4

Left: 0.004+/-0.000 χ^2/NDF: 2904988.0/9

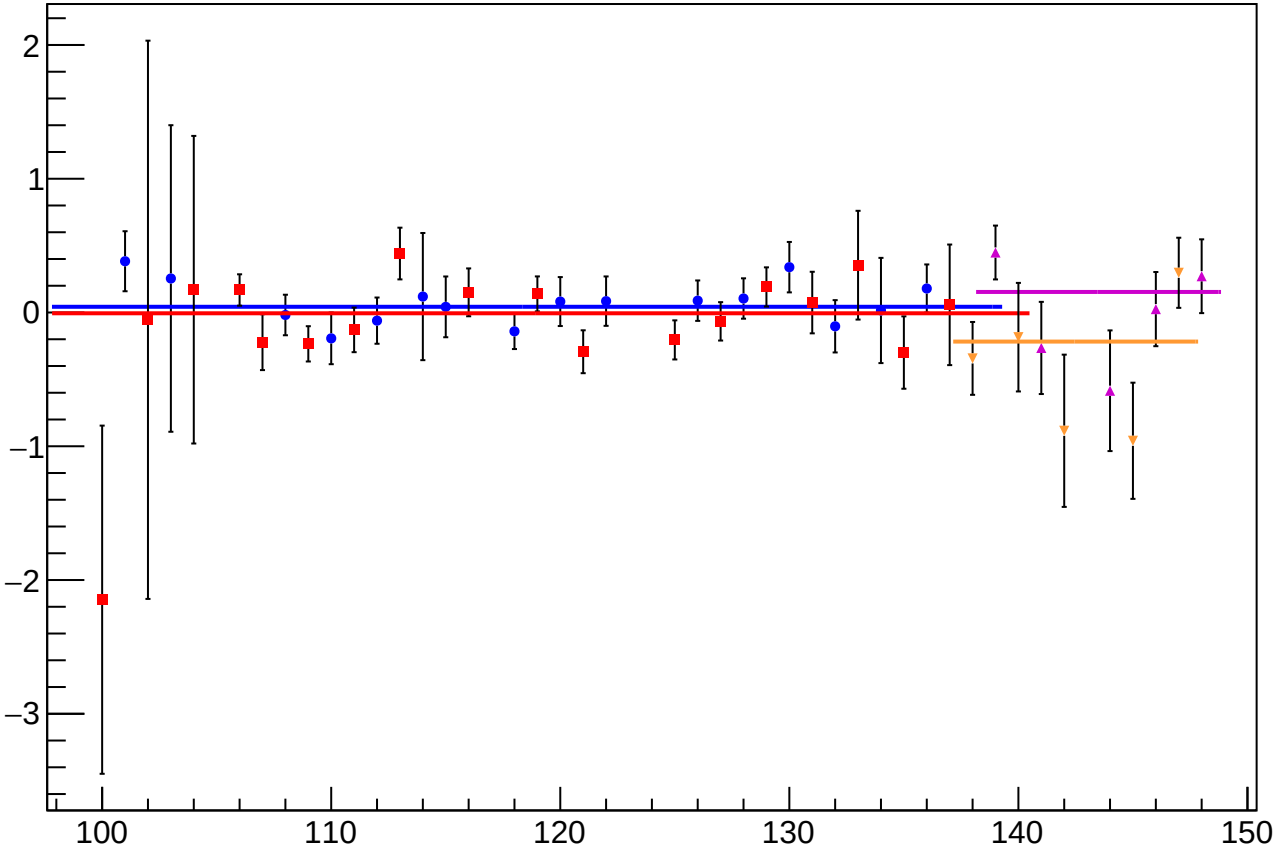
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7535469.3/20

Out: 0.003+/-0.000 χ^2/NDF:9034466.8/22

All: 0.003+/-0.000 χ^2/NDF: 16659711.9/43

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: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.154+/-0.125 χ^2/NDF:6.7/4

Left: 0.006+/-0.097 χ^2/NDF: 18.6/9

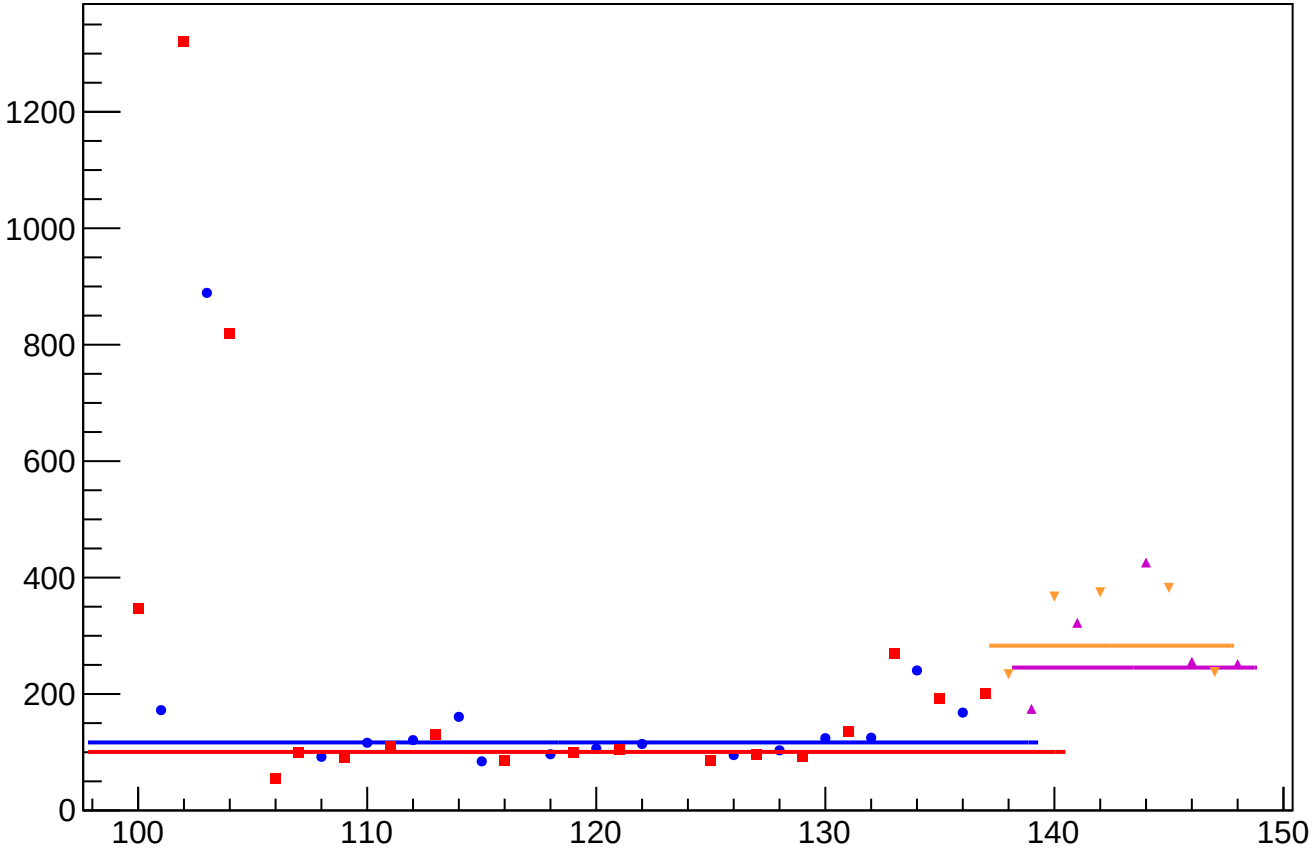
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.7/20

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.015+/-0.030 χ^2/NDF: 55.5/43

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: 283.042+/-0.108 χ^2/NDF:367401.9/4

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.421+/-0.088 χ^2/NDF:671779.1/4

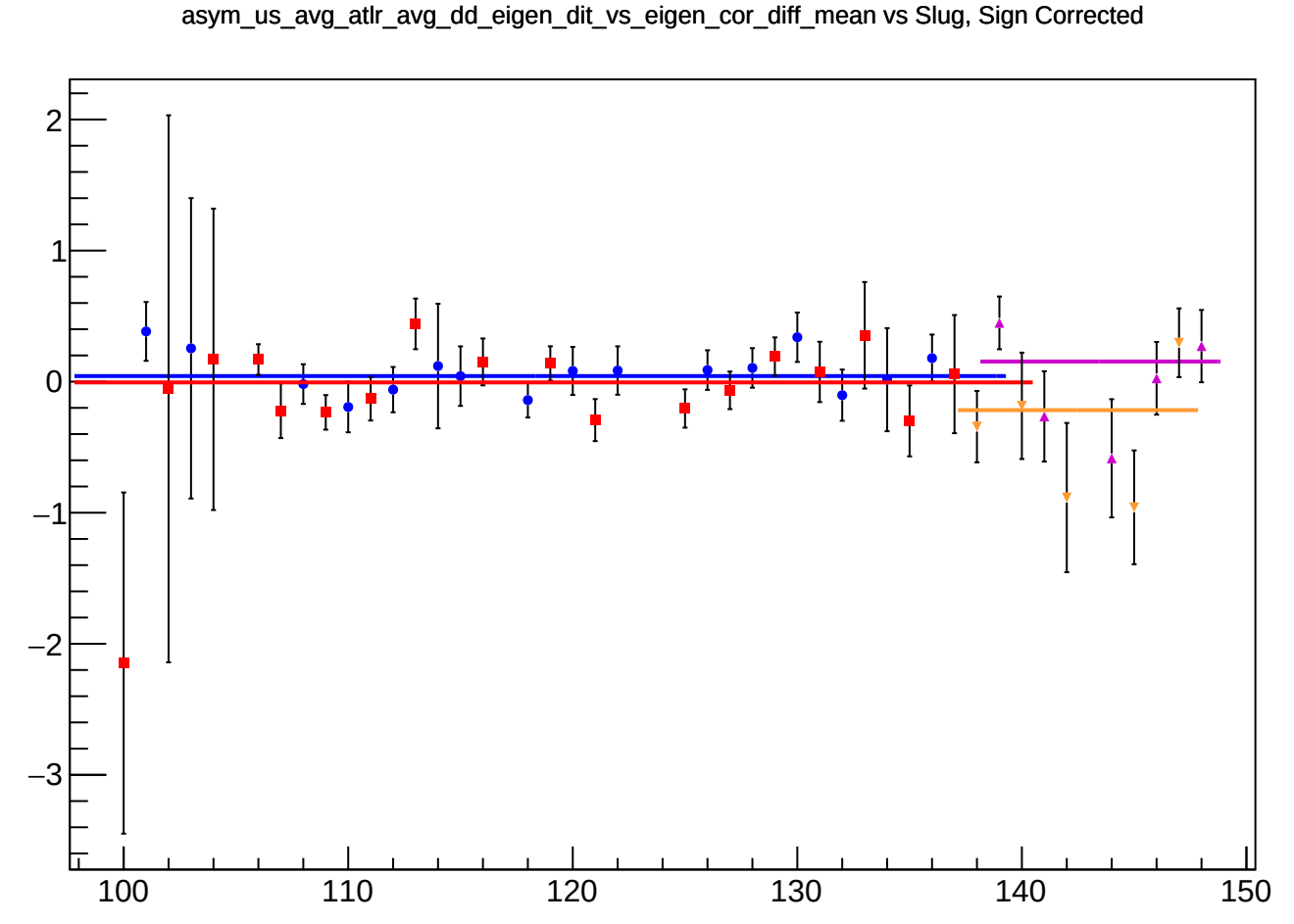
Left: 260.410+/-0.068 χ^2/NDF: 1111547.1/9

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

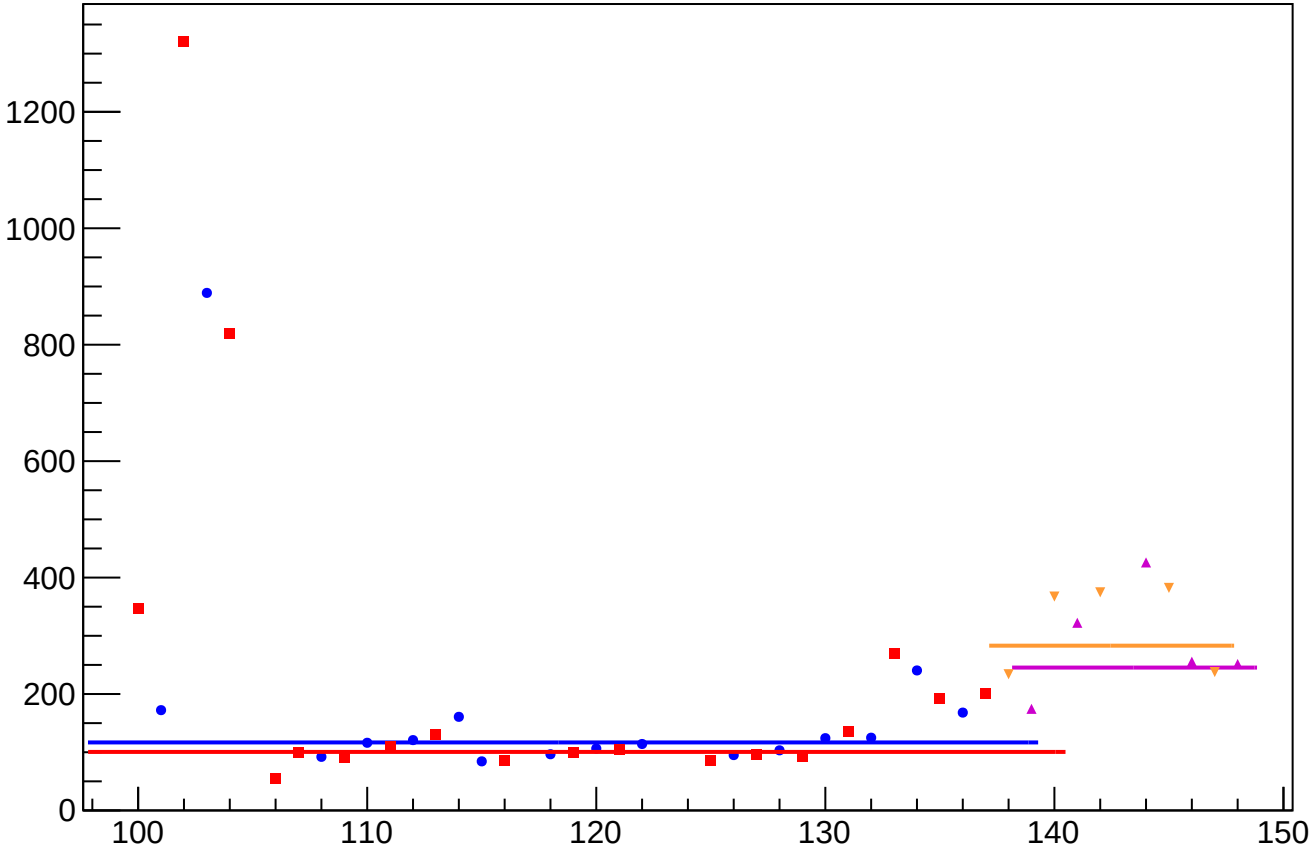
In: 133.082+/-0.031 χ^2/NDF:4146348.2/20

Out: 114.057+/-0.030 χ^2/NDF:5652823.9/22

All: 122.991+/-0.021 χ^2/NDF: 9994235.1/43


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.217+/-0.153 χ²/NDF:8.4/4
Right Out: -0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.154+/-0.125 χ²/NDF:6.7/4
Left: 0.006+/-0.097 χ²/NDF: 18.6/9
Right: 0.016+/-0.032 χ²/NDF: 36.9/33
In: 0.057+/-0.044 χ²/NDF:17.7/20
Out: -0.022+/-0.042 χ²/NDF:36.2/22
All: 0.015+/-0.030 χ²/NDF: 55.5/43

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: 283.042+/-0.108 χ^2/NDF:367401.9/4

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.421+/-0.088 χ^2/NDF:671779.1/4

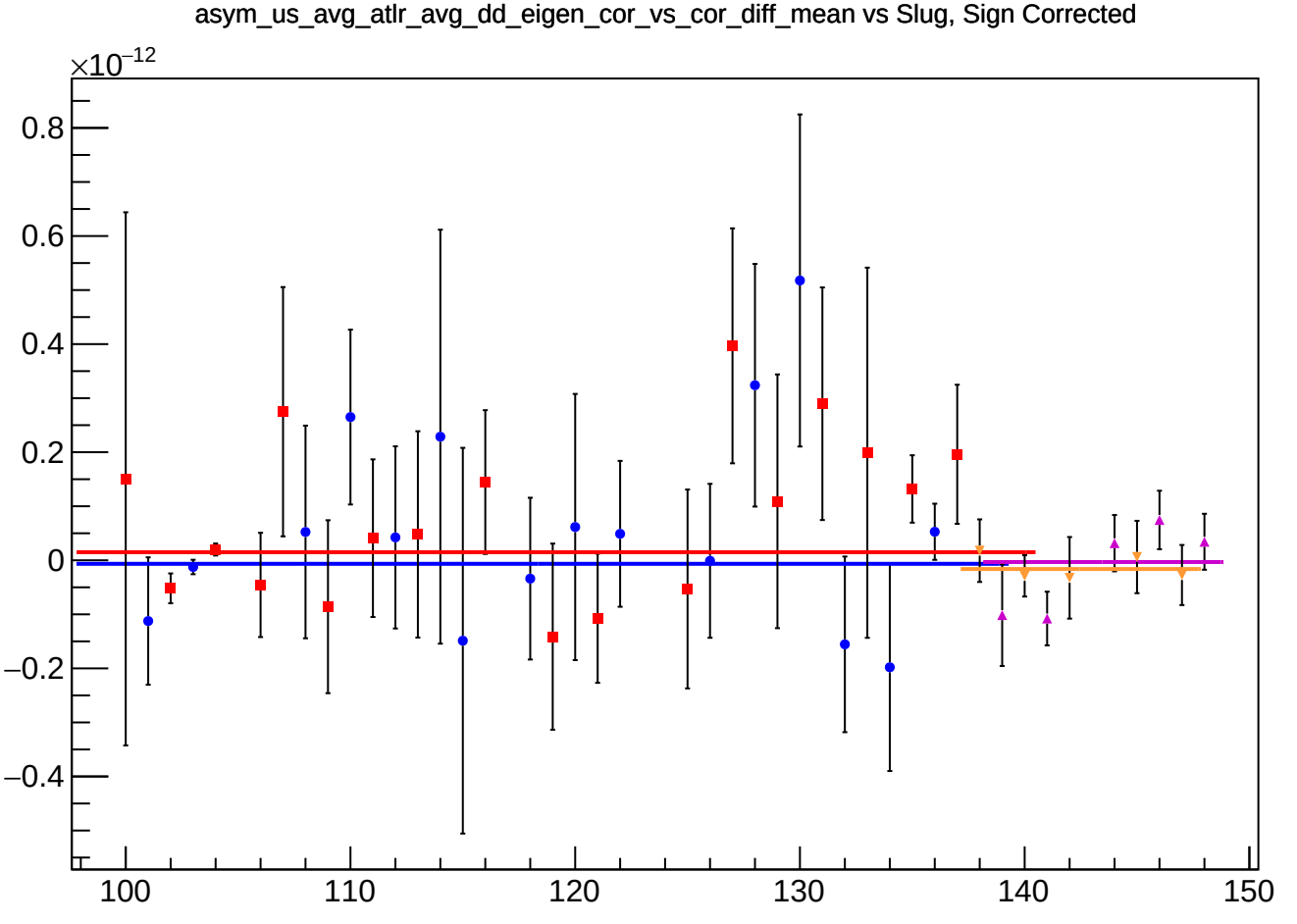
Left: 260.410+/-0.068 χ^2/NDF: 1111547.1/9

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 133.082+/-0.031 χ^2/NDF:4146348.2/20

Out: 114.057+/-0.030 χ^2/NDF:5652823.9/22

All: 122.991+/-0.021 χ^2/NDF: 9994235.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/4

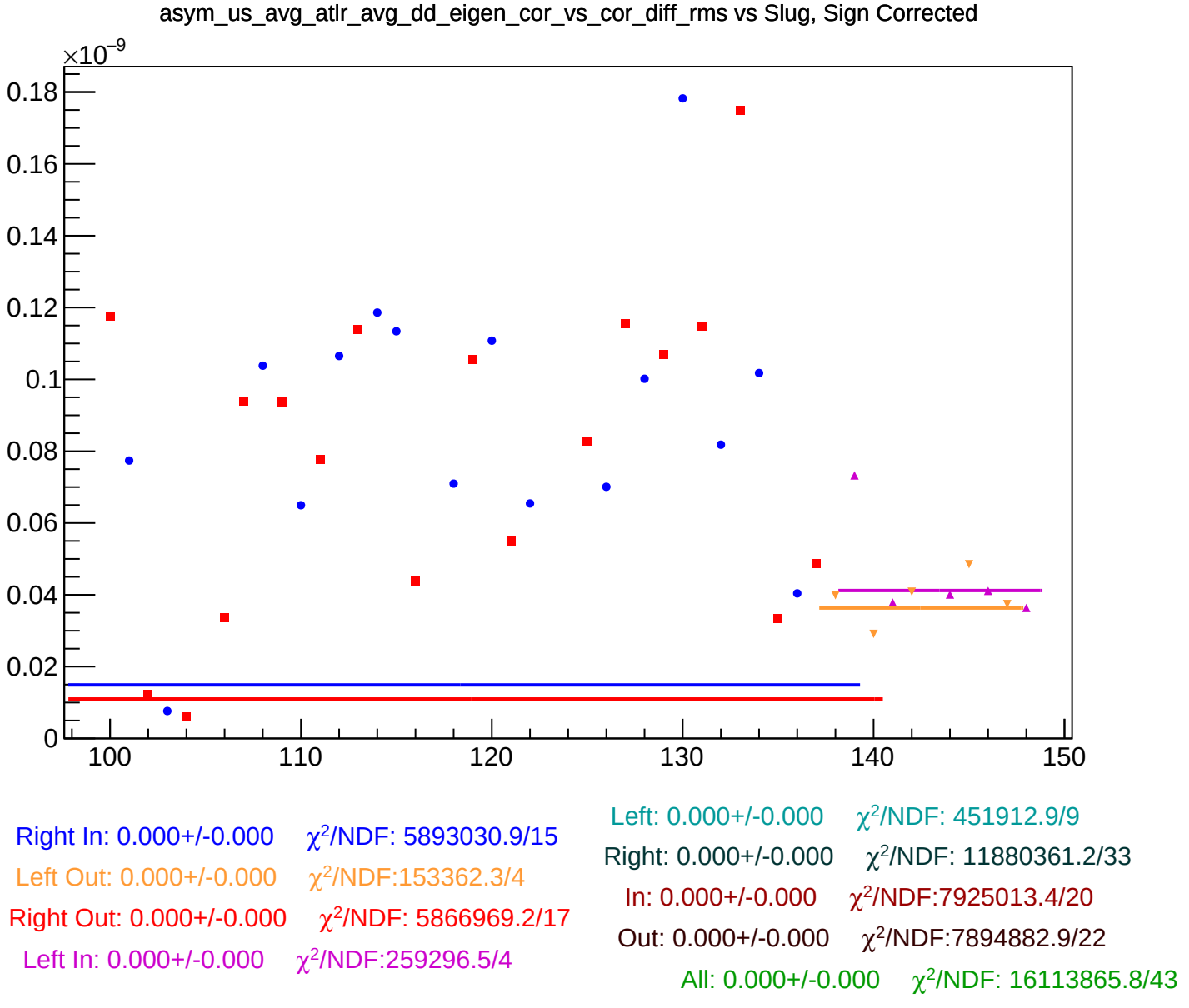
Left: -0.000+/-0.000 χ^2/NDF: 9.4/9

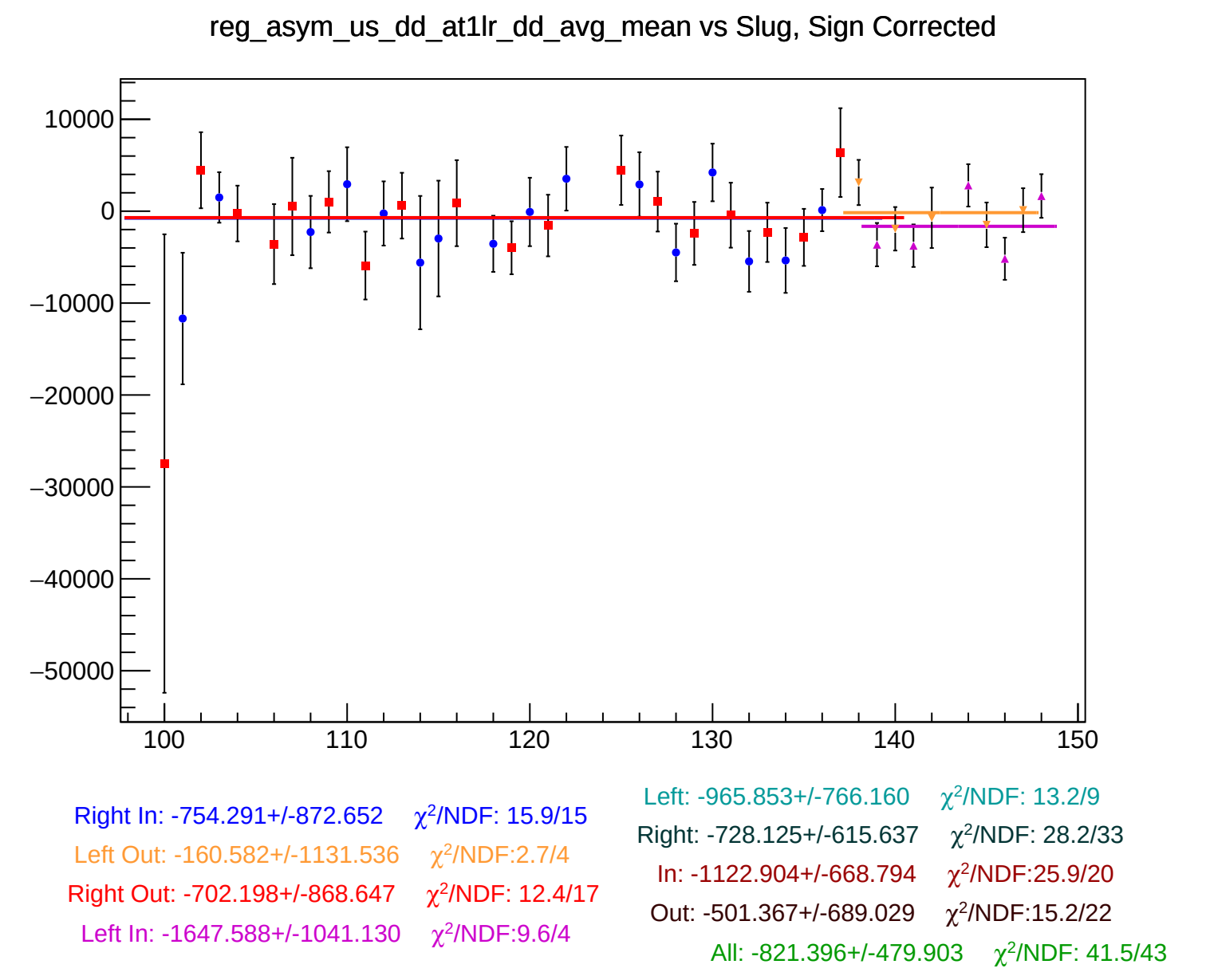
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

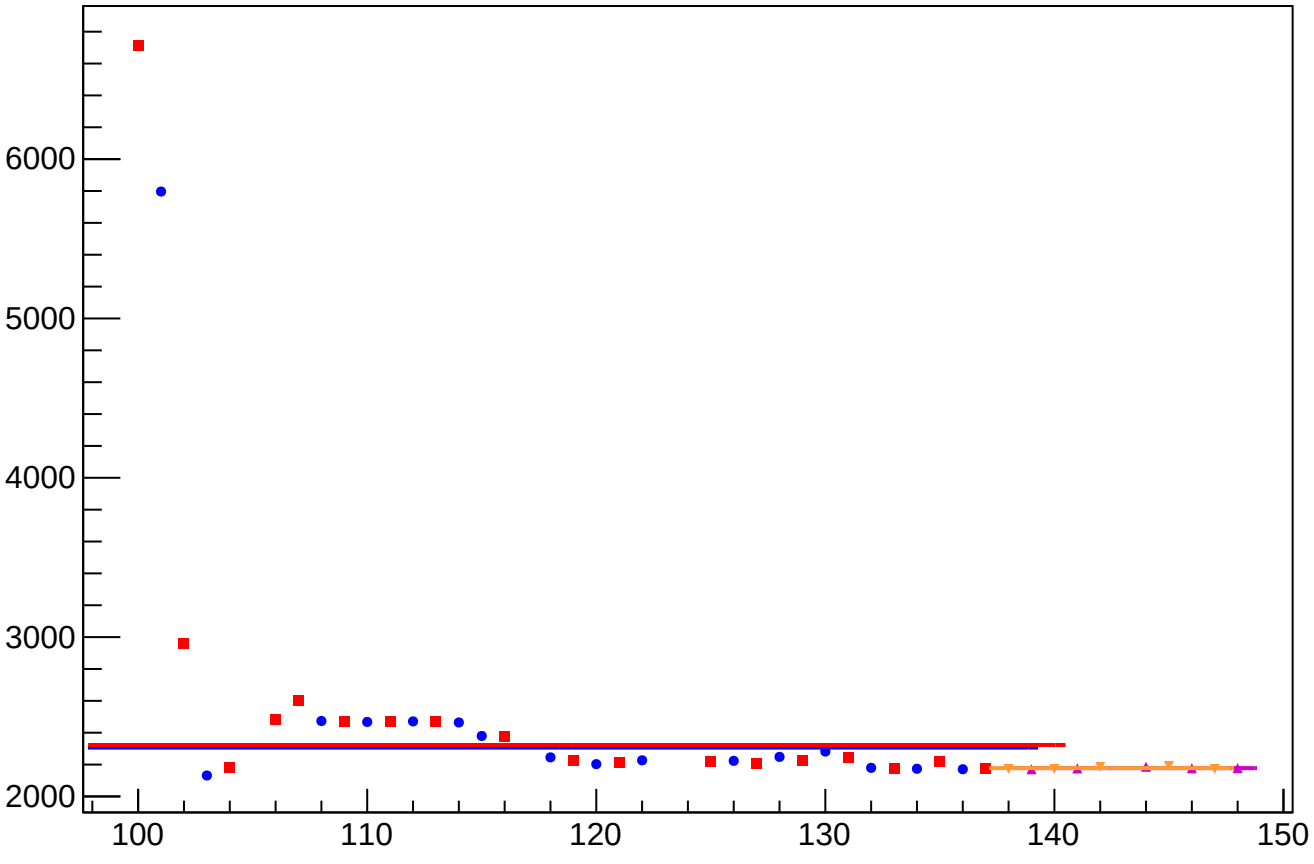
In: -0.000+/-0.000 χ^2/NDF:21.6/20

Out: 0.000+/-0.000 χ^2/NDF:24.0/22

All: 0.000+/-0.000 χ^2/NDF: 46.9/43


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:153362.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:259296.5/4
Left: 0.000+/-0.000 χ²/NDF: 451912.9/9
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:7925013.4/20
Out: 0.000+/-0.000 χ²/NDF:7894882.9/22
All: 0.000+/-0.000 χ²/NDF: 16113865.8/43


reg_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -754.291+/-872.652 χ²/NDF: 15.9/15
Left Out: -160.582+/-1131.536 χ²/NDF:2.7/4
Right Out: -702.198+/-868.647 χ²/NDF: 12.4/17
Left In: -1647.588+/-1041.130 χ²/NDF:9.6/4
Left: -965.853+/-766.160 χ²/NDF: 13.2/9
Right: -728.125+/-615.637 χ²/NDF: 28.2/33
In: -1122.904+/-668.794 χ²/NDF:25.9/20
Out: -501.367+/-689.029 χ²/NDF:15.2/22
All: -821.396+/-479.903 χ²/NDF: 41.5/43



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

Left: 2177.894+/-0.542 χ^2/NDF: 145.2/9

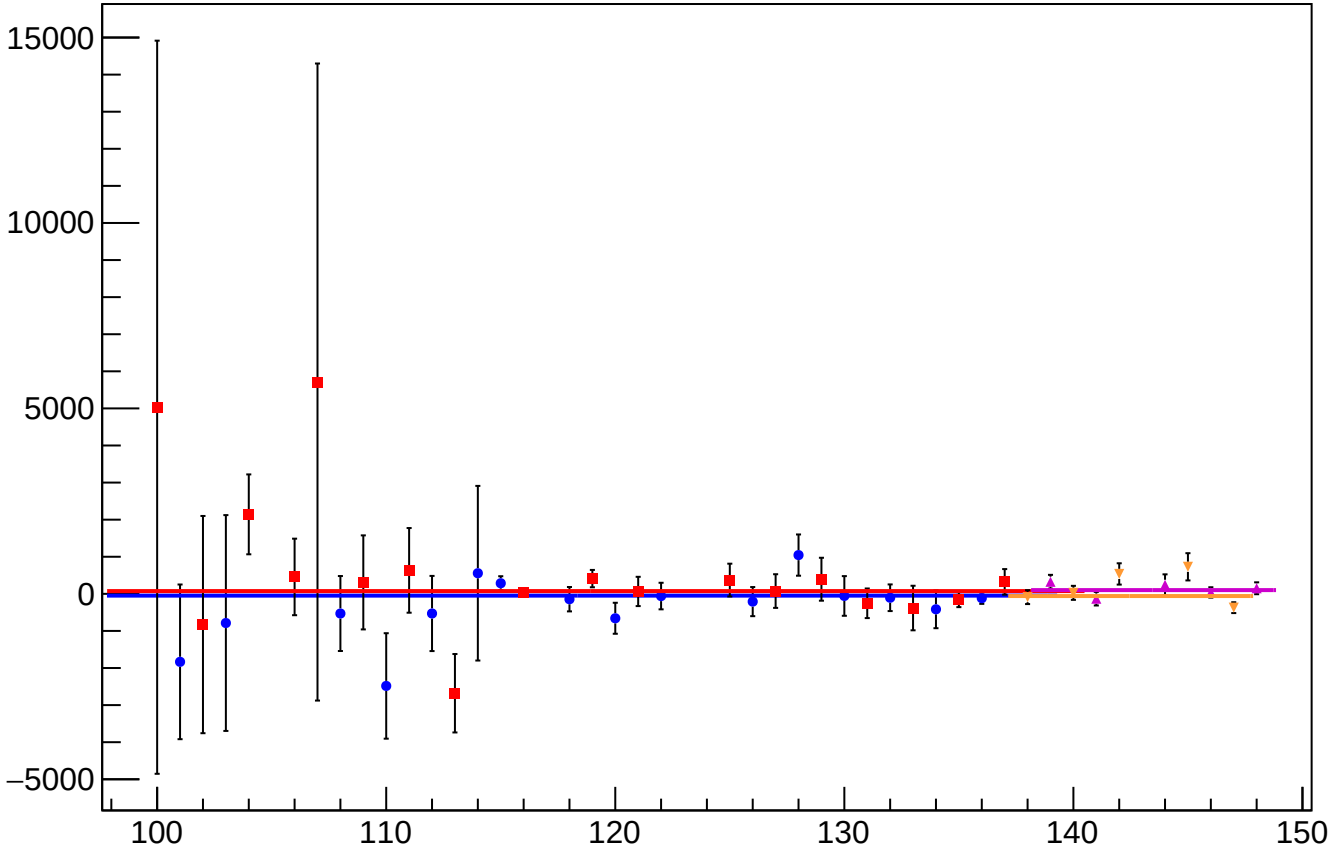
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2253.477+/-0.473 χ^2/NDF:532188.2/20

Out: 2269.243+/-0.487 χ^2/NDF:172550.7/22

All: 2261.125+/-0.339 χ^2/NDF: 705278.0/43

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: -59.510+/-90.229 χ^2/NDF:13.7/4

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 100.744+/-78.709 χ^2/NDF:3.6/4

Left: 31.495+/-59.313 χ^2/NDF: 19.1/9

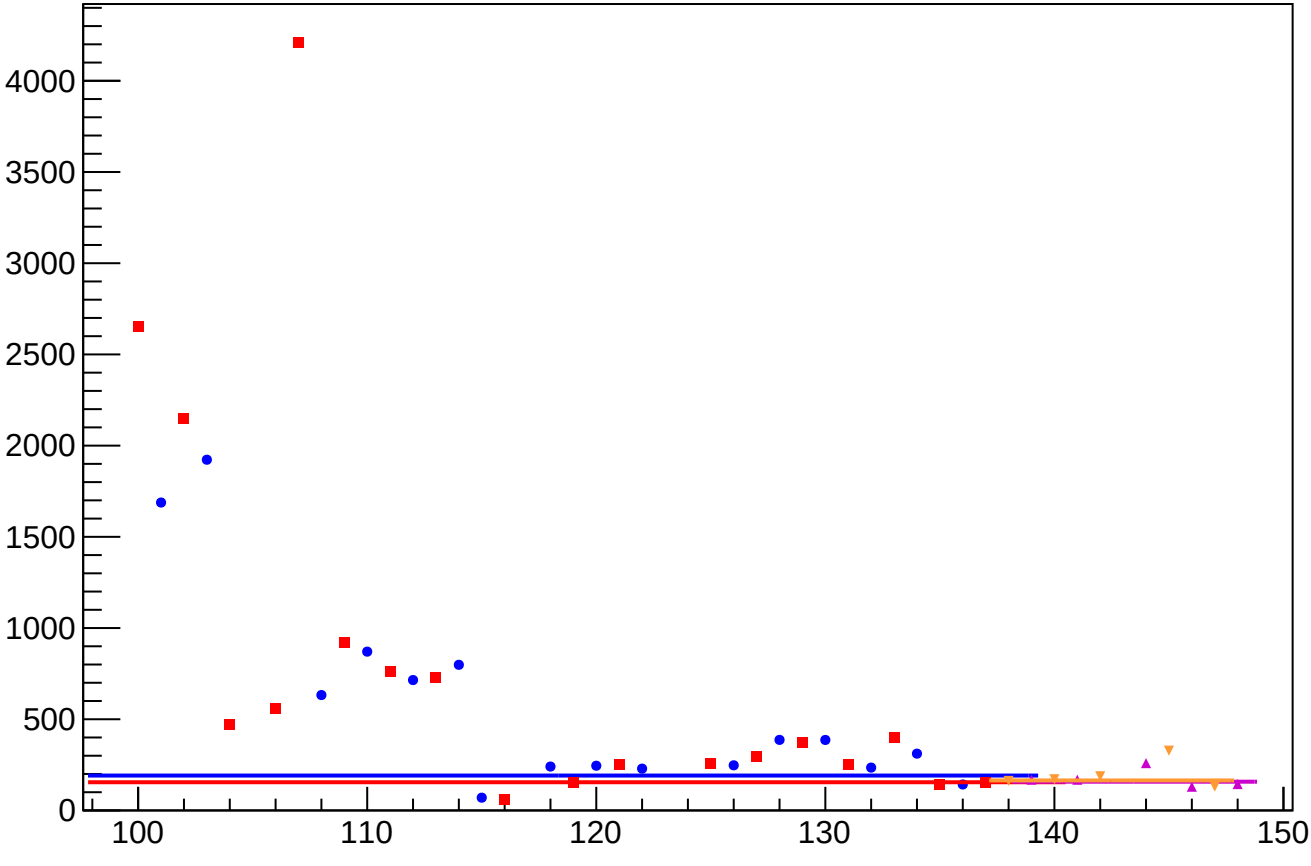
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 37.051+/-59.506 χ^2/NDF:19.5/20

Out: 13.410+/-60.839 χ^2/NDF:32.6/22

All: 25.492+/-42.541 χ^2/NDF: 52.1/43

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: 164.605+/-0.064 χ^2/NDF:518075.6/4

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 157.655+/-0.056 χ^2/NDF:364202.9/4

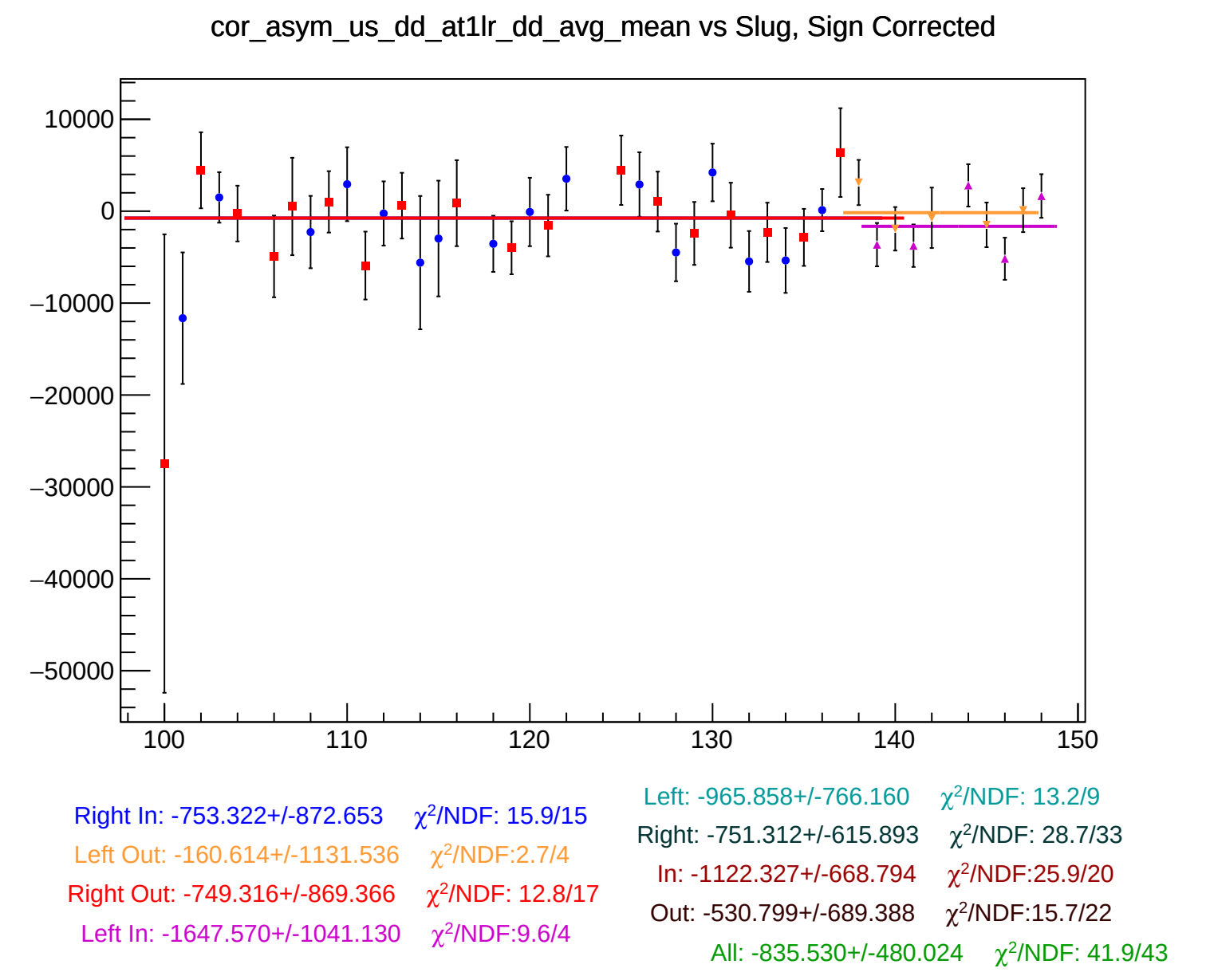
Left: 160.658+/-0.042 χ^2/NDF: 889016.1/9

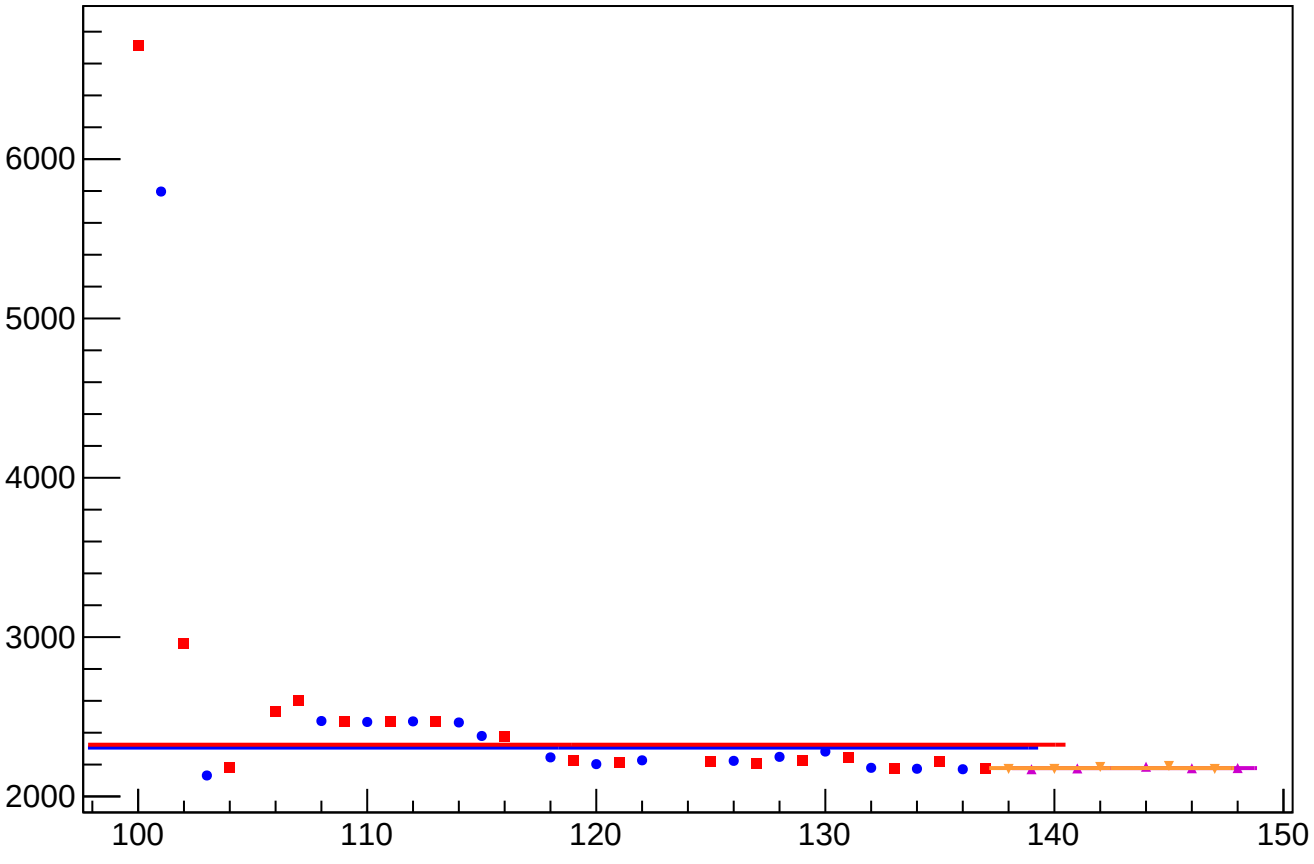
Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 172.104+/-0.042 χ^2/NDF:5586263.0/20

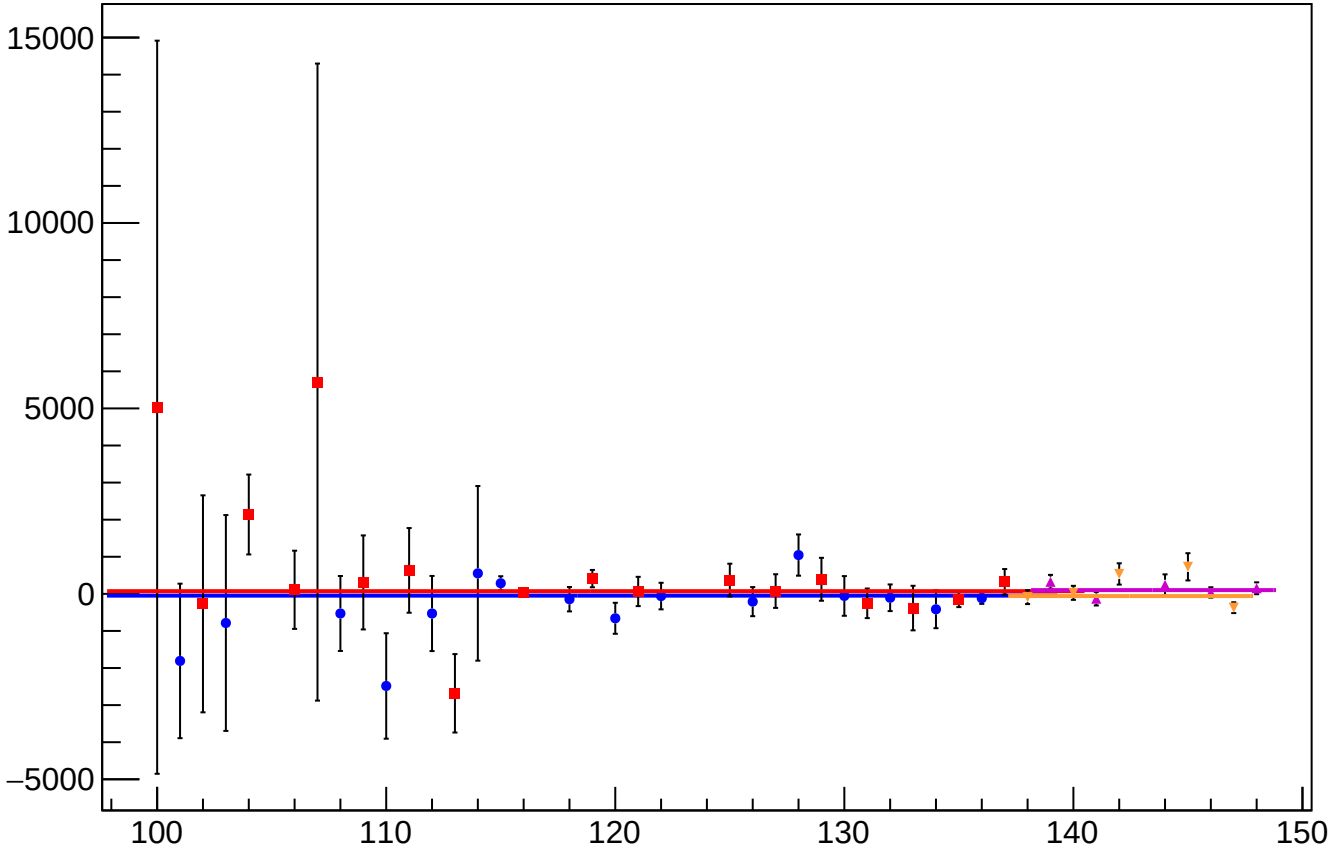
Out: 159.190+/-0.043 χ^2/NDF:6685566.8/22

All: 165.790+/-0.030 χ^2/NDF: 12317878.5/43


cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -160.614+/-1131.536 χ²/NDF:2.7/4
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -1647.570+/-1041.130 χ²/NDF:9.6/4
Left: -965.858+/-766.160 χ²/NDF: 13.2/9
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -1122.327+/-668.794 χ²/NDF:25.9/20
Out: -530.799+/-689.388 χ²/NDF:15.7/22
All: -835.530+/-480.024 χ²/NDF: 41.9/43


cor_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2306.643+/-0.617 χ²/NDF: 514150.6/15
Left Out: 2178.005+/-0.800 χ²/NDF:97.8/4
Right Out: 2324.685+/-0.615 χ²/NDF: 153578.5/17
Left In: 2177.800+/-0.736 χ²/NDF:47.3/4
Left: 2177.894+/-0.542 χ²/NDF: 145.2/9
Right: 2315.698+/-0.436 χ²/NDF: 668158.1/33
In: 2253.477+/-0.473 χ²/NDF:532188.5/20
Out: 2270.239+/-0.487 χ²/NDF:174809.1/22
All: 2261.604+/-0.339 χ²/NDF: 707606.7/43

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: -59.431+/-90.229 χ^2/NDF:13.7/4

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 100.986+/-78.714 χ^2/NDF:3.6/4

Left: 31.660+/-59.315 χ^2/NDF: 19.1/9

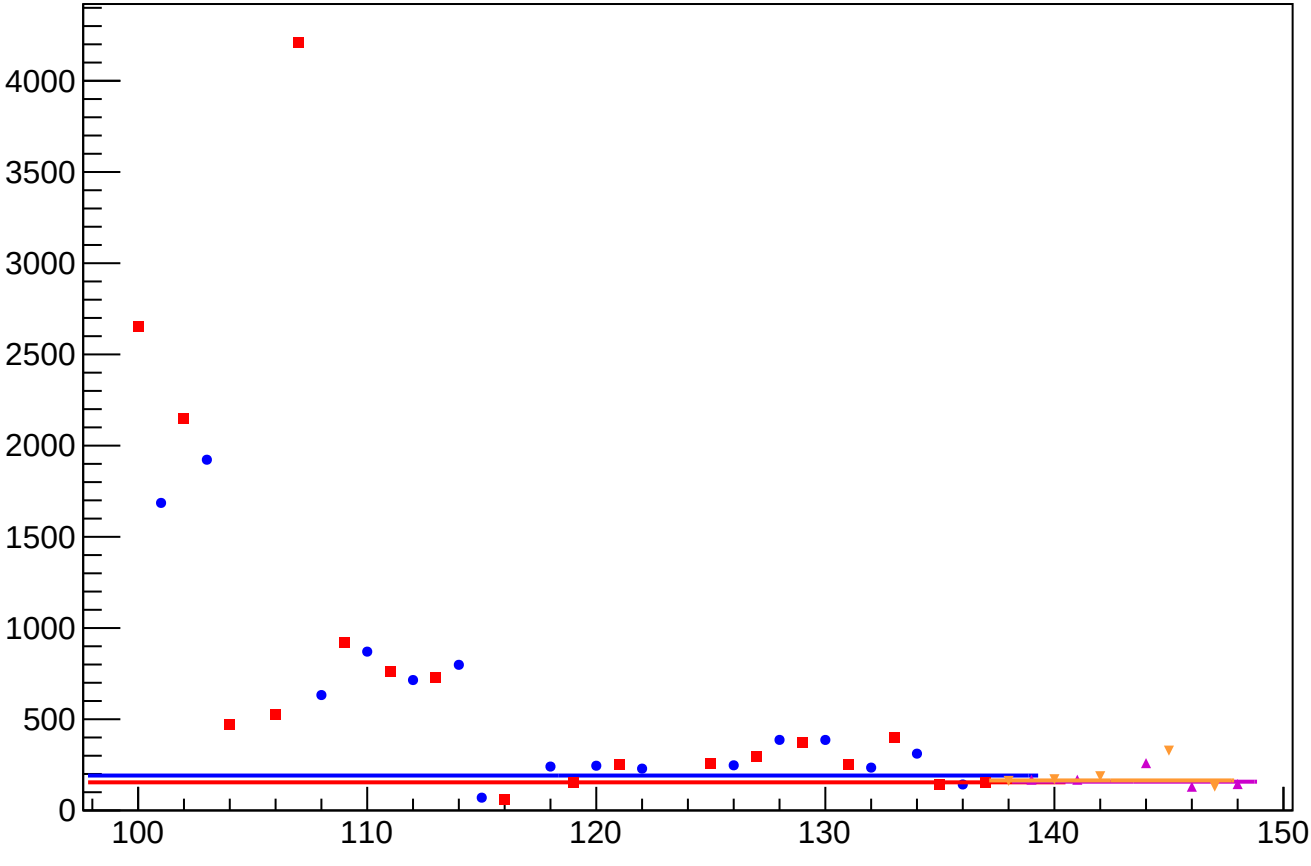
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.174+/-59.510 χ^2/NDF:19.5/20

Out: 12.402+/-60.814 χ^2/NDF:32.3/22

All: 25.057+/-42.534 χ^2/NDF: 51.9/43

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: 164.602+/-0.064 χ^2/NDF:518193.0/4

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

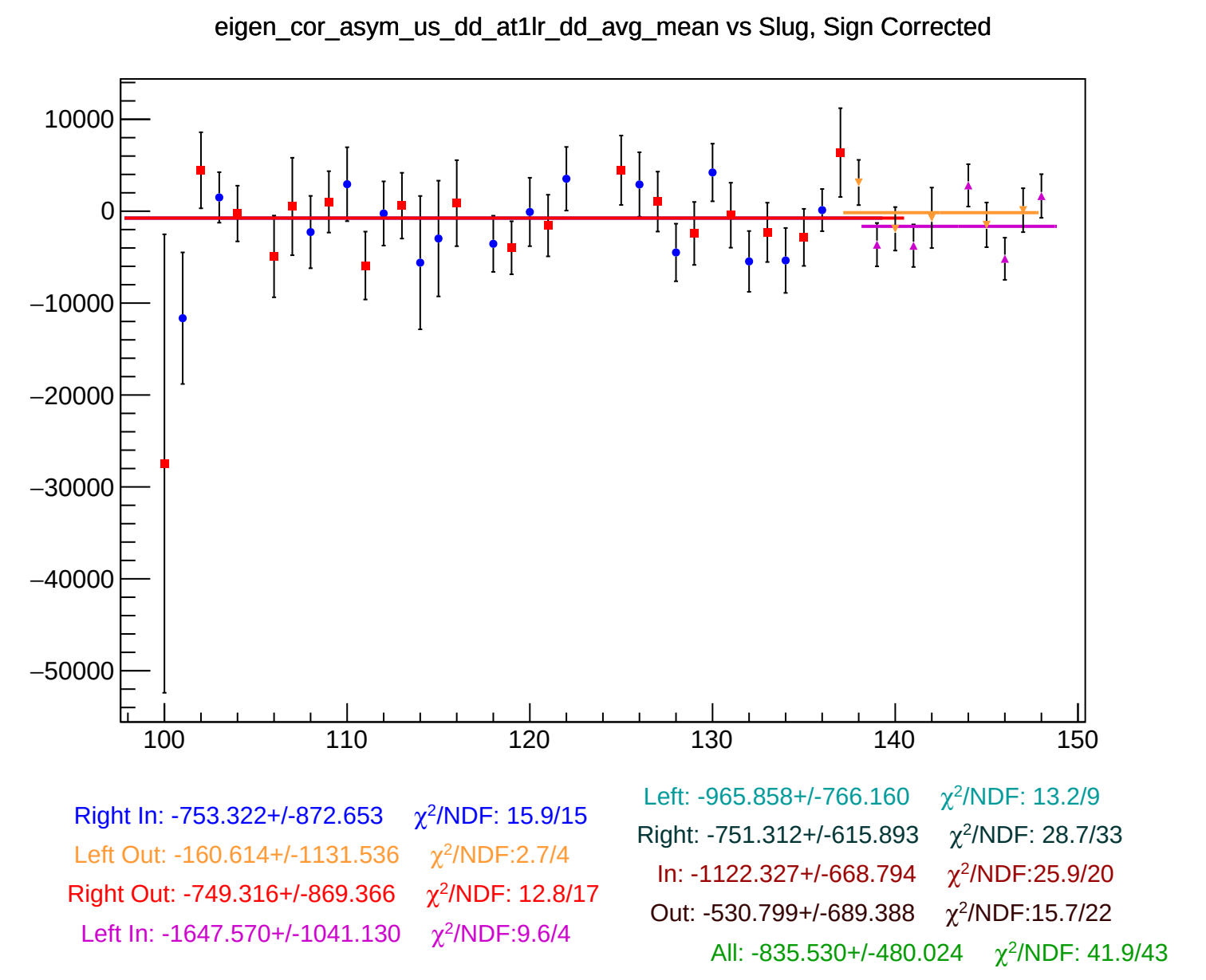
Left: 160.665+/-0.042 χ^2/NDF: 889007.3/9

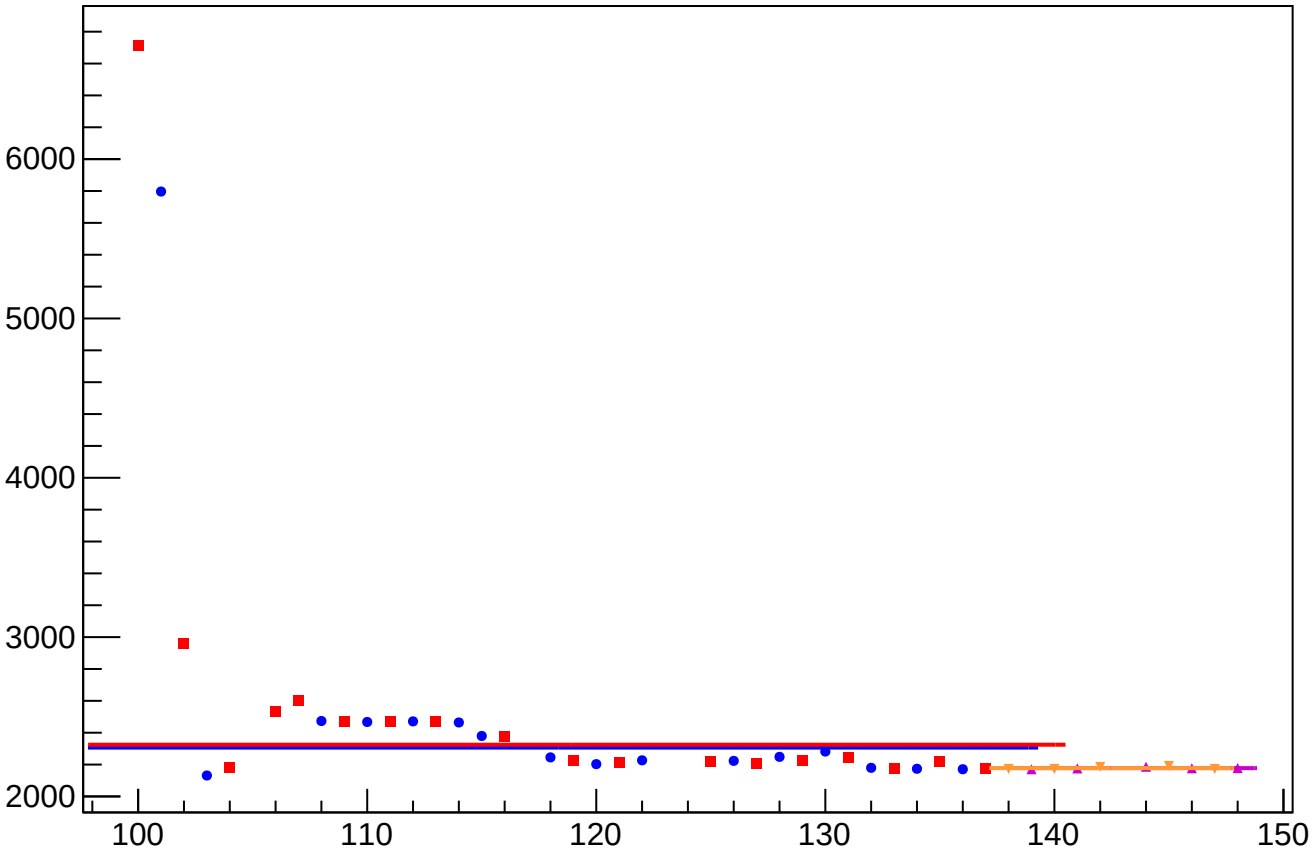
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 172.122+/-0.042 χ^2/NDF:5585102.1/20

Out: 158.882+/-0.043 χ^2/NDF:6641586.1/22

All: 165.646+/-0.030 χ^2/NDF: 12275111.3/43


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -160.614+/-1131.536 χ²/NDF:2.7/4
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -1647.570+/-1041.130 χ²/NDF:9.6/4
Left: -965.858+/-766.160 χ²/NDF: 13.2/9
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -1122.327+/-668.794 χ²/NDF:25.9/20
Out: -530.799+/-689.388 χ²/NDF:15.7/22
All: -835.530+/-480.024 χ²/NDF: 41.9/43



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.800+/-0.736 χ^2/NDF:47.3/4

Left: 2177.894+/-0.542 χ^2/NDF: 145.2/9

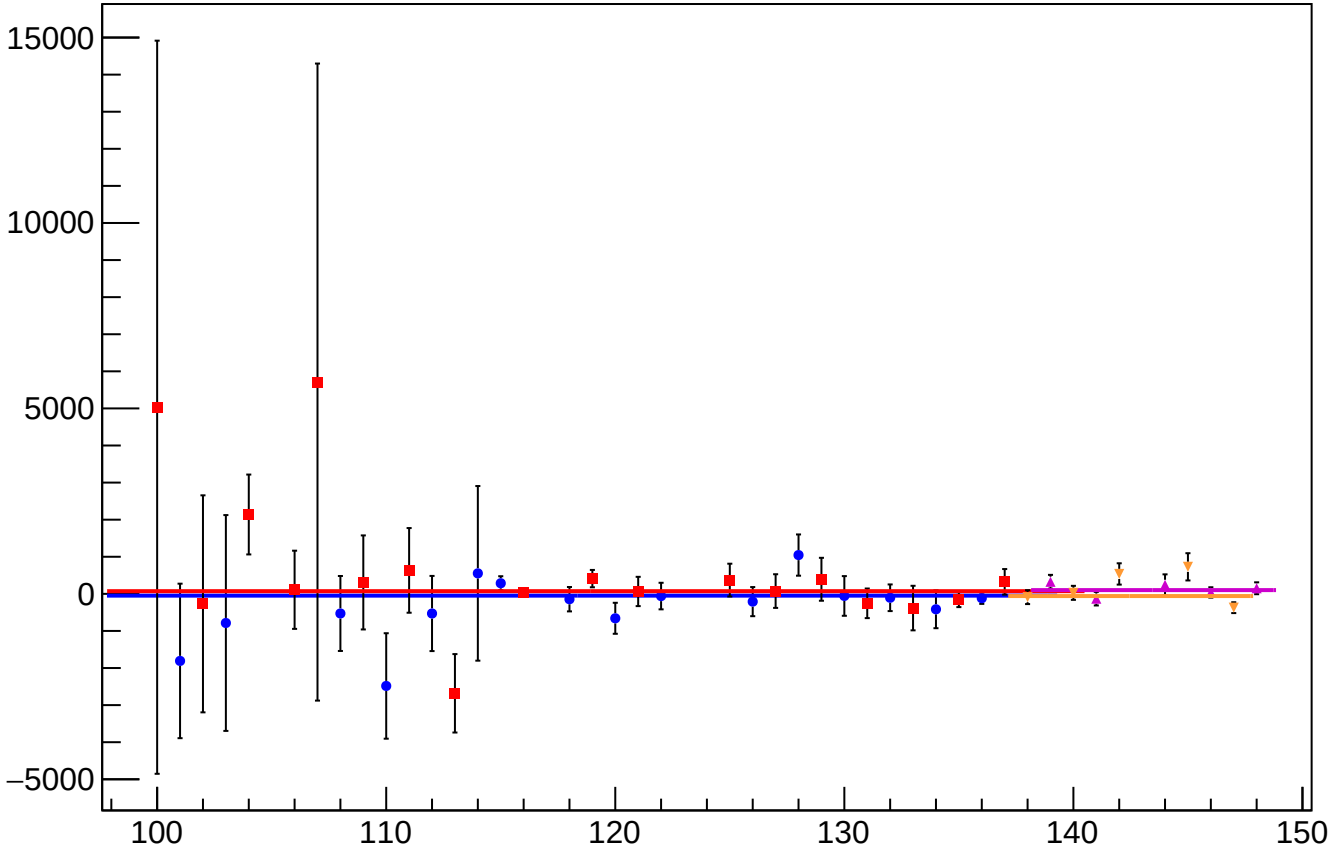
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2253.477+/-0.473 χ^2/NDF:532188.5/20

Out: 2270.239+/-0.487 χ^2/NDF:174809.1/22

All: 2261.604+/-0.339 χ^2/NDF: 707606.7/43

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: -59.431+/-90.229 χ^2/NDF:13.7/4

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 100.986+/-78.714 χ^2/NDF:3.6/4

Left: 31.660+/-59.315 χ^2/NDF: 19.1/9

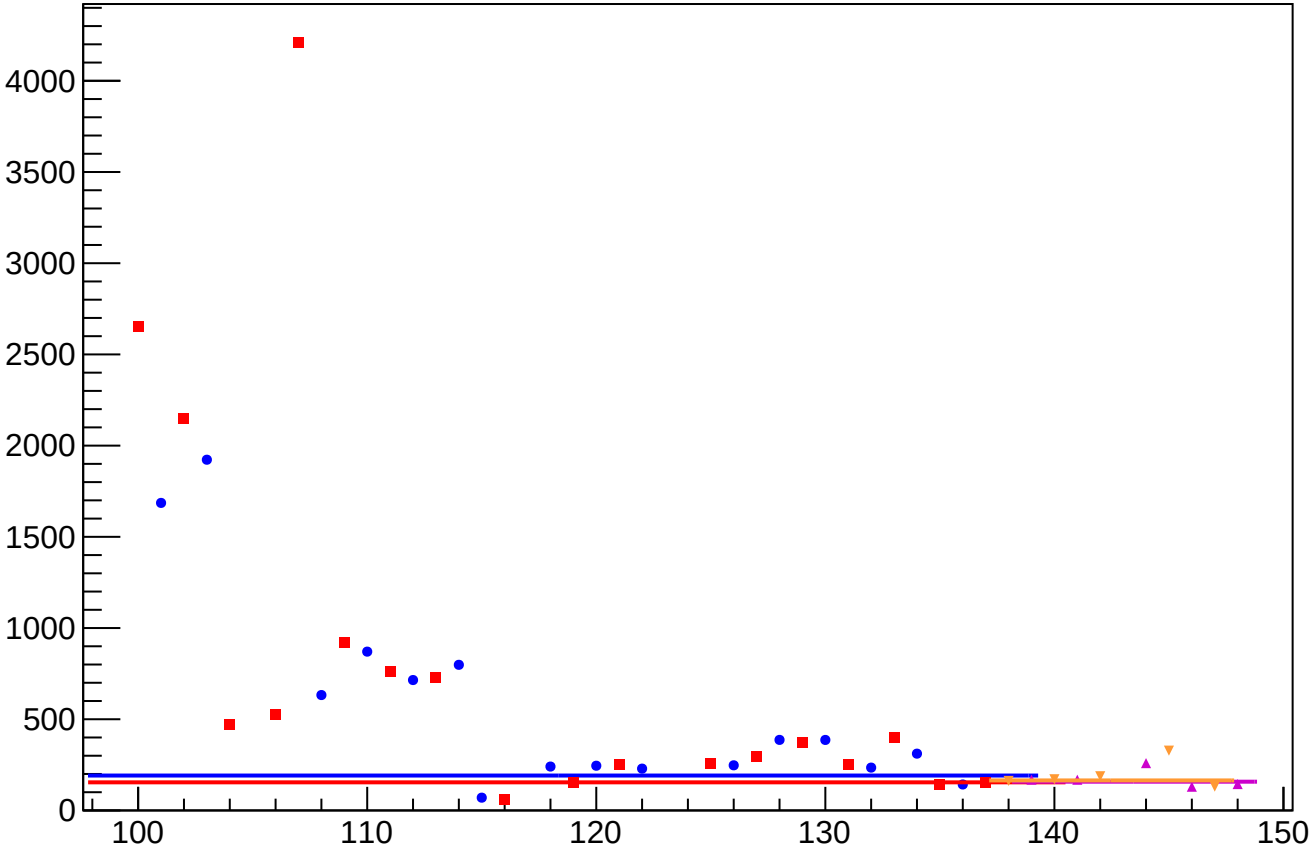
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.174+/-59.510 χ^2/NDF:19.5/20

Out: 12.402+/-60.814 χ^2/NDF:32.3/22

All: 25.057+/-42.534 χ^2/NDF: 51.9/43

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: 164.602+/-0.064 χ^2/NDF:518193.0/4

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

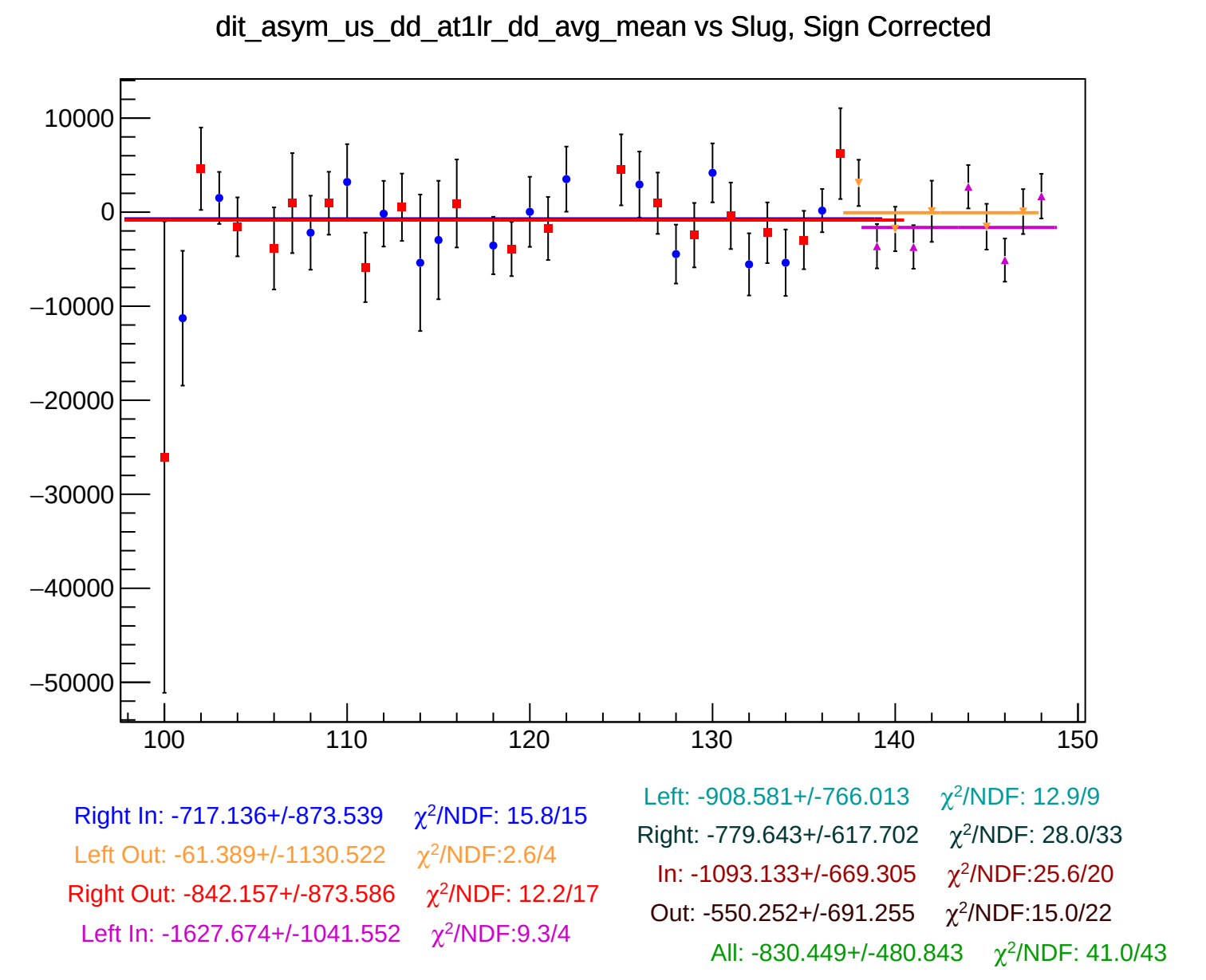
Left: 160.665+/-0.042 χ^2/NDF: 889007.3/9

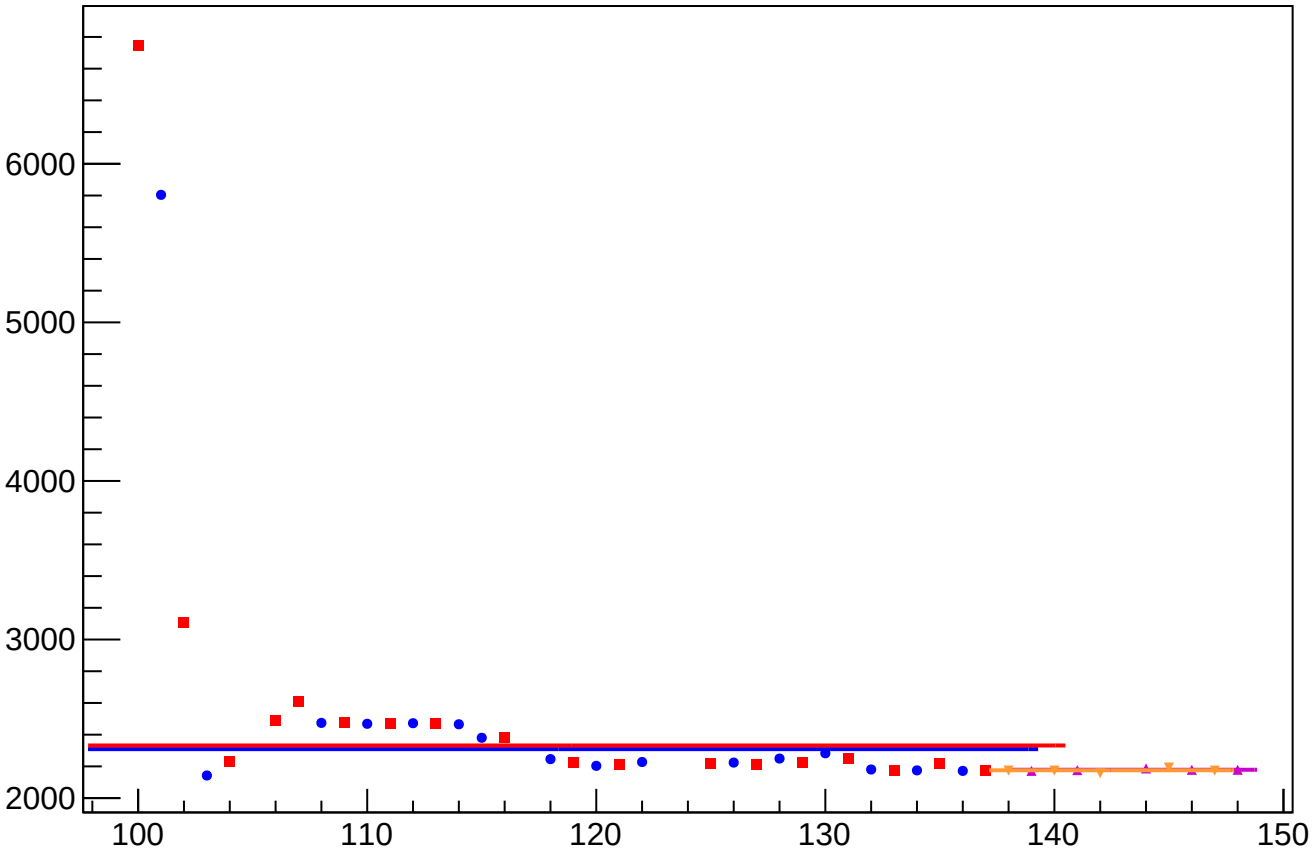
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 172.122+/-0.042 χ^2/NDF:5585102.1/20

Out: 158.882+/-0.043 χ^2/NDF:6641586.1/22

All: 165.646+/-0.030 χ^2/NDF: 12275111.3/43


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -717.136+/-873.539 χ²/NDF: 15.8/15
Left Out: -61.389+/-1130.522 χ²/NDF:2.6/4
Right Out: -842.157+/-873.586 χ²/NDF: 12.2/17
Left In: -1627.674+/-1041.552 χ²/NDF:9.3/4
Left: -908.581+/-766.013 χ²/NDF: 12.9/9
Right: -779.643+/-617.702 χ²/NDF: 28.0/33
In: -1093.133+/-669.305 χ²/NDF:25.6/20
Out: -550.252+/-691.255 χ²/NDF:15.0/22
All: -830.449+/-480.843 χ²/NDF: 41.0/43



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2175.361+/-0.799 χ^2/NDF:169.9/4

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

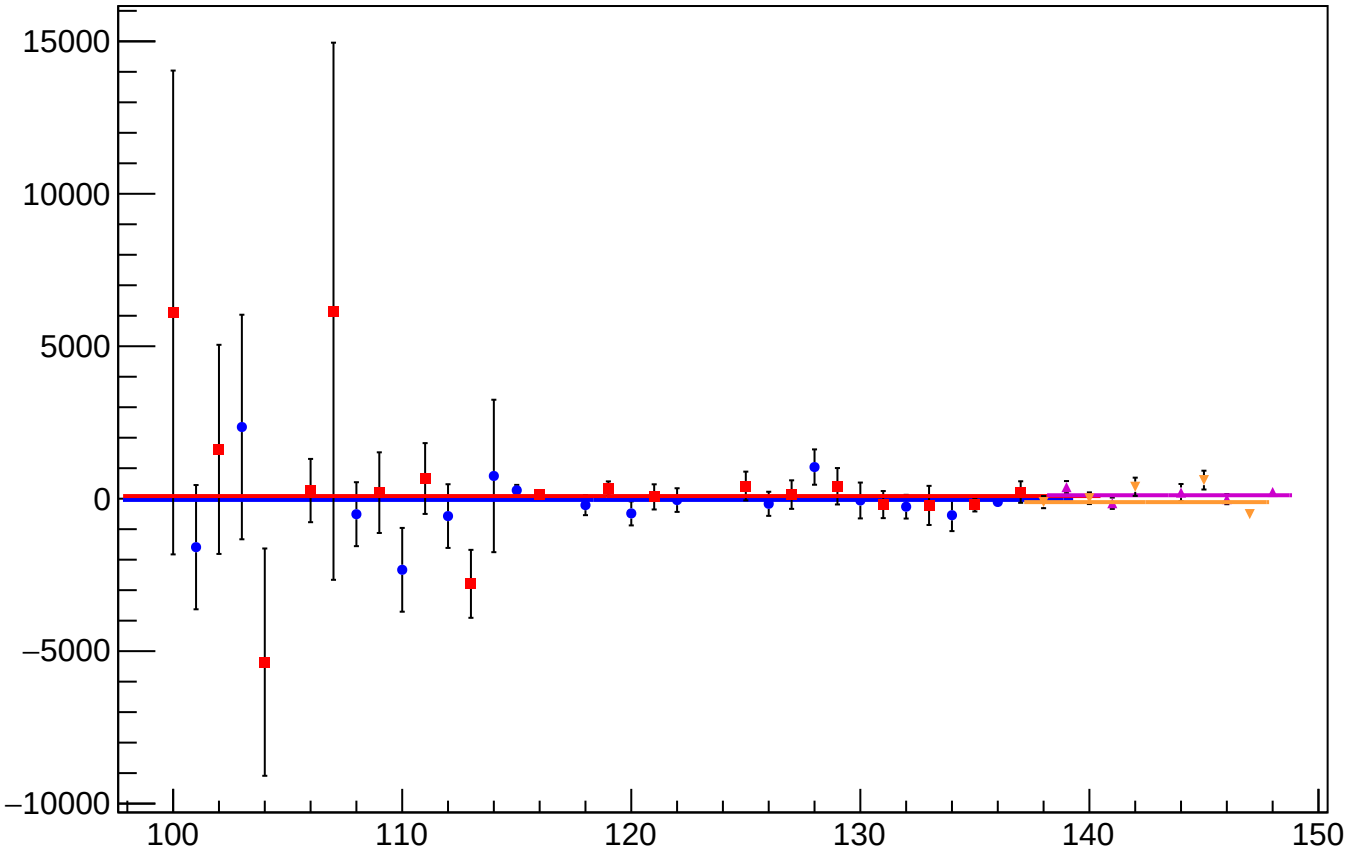
Left: 2177.158+/-0.542 χ^2/NDF: 224.8/9

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2255.034+/-0.473 χ^2/NDF:532094.8/20

Out: 2273.344+/-0.489 χ^2/NDF:191485.5/22

All: 2263.893+/-0.340 χ^2/NDF: 724304.5/43



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -112.315+/-92.577 χ^2/NDF:15.3/4

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 113.108+/-83.564 χ^2/NDF:4.9/4

Left: 11.900+/-62.031 χ^2/NDF: 23.5/9

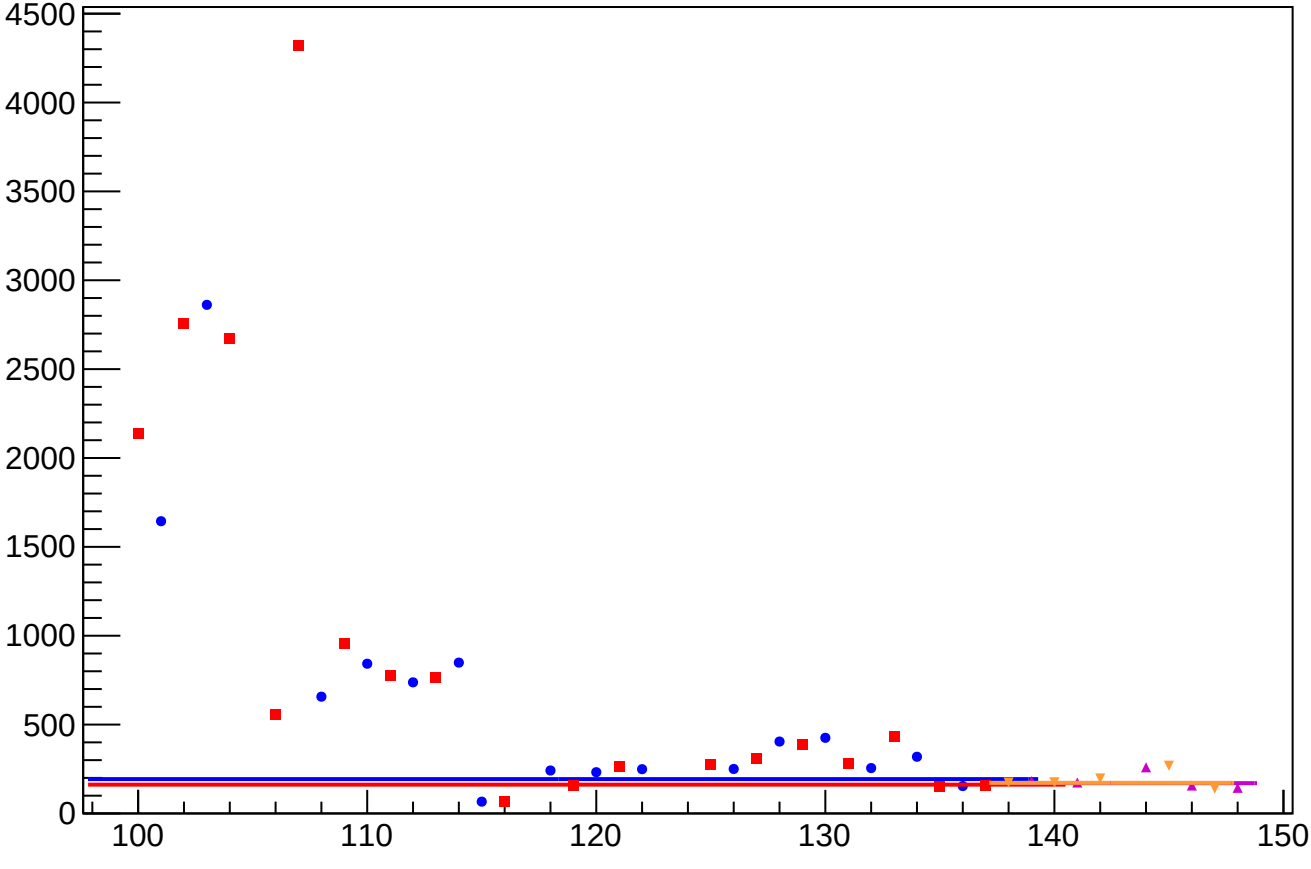
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 44.176+/-61.980 χ^2/NDF:20.5/20

Out: -5.761+/-63.043 χ^2/NDF:32.7/22

All: 19.632+/-44.198 χ^2/NDF: 53.5/43

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: 172.338+/-0.065 χ^2/NDF:300404.6/4

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 170.531+/-0.059 χ^2/NDF:277921.8/4

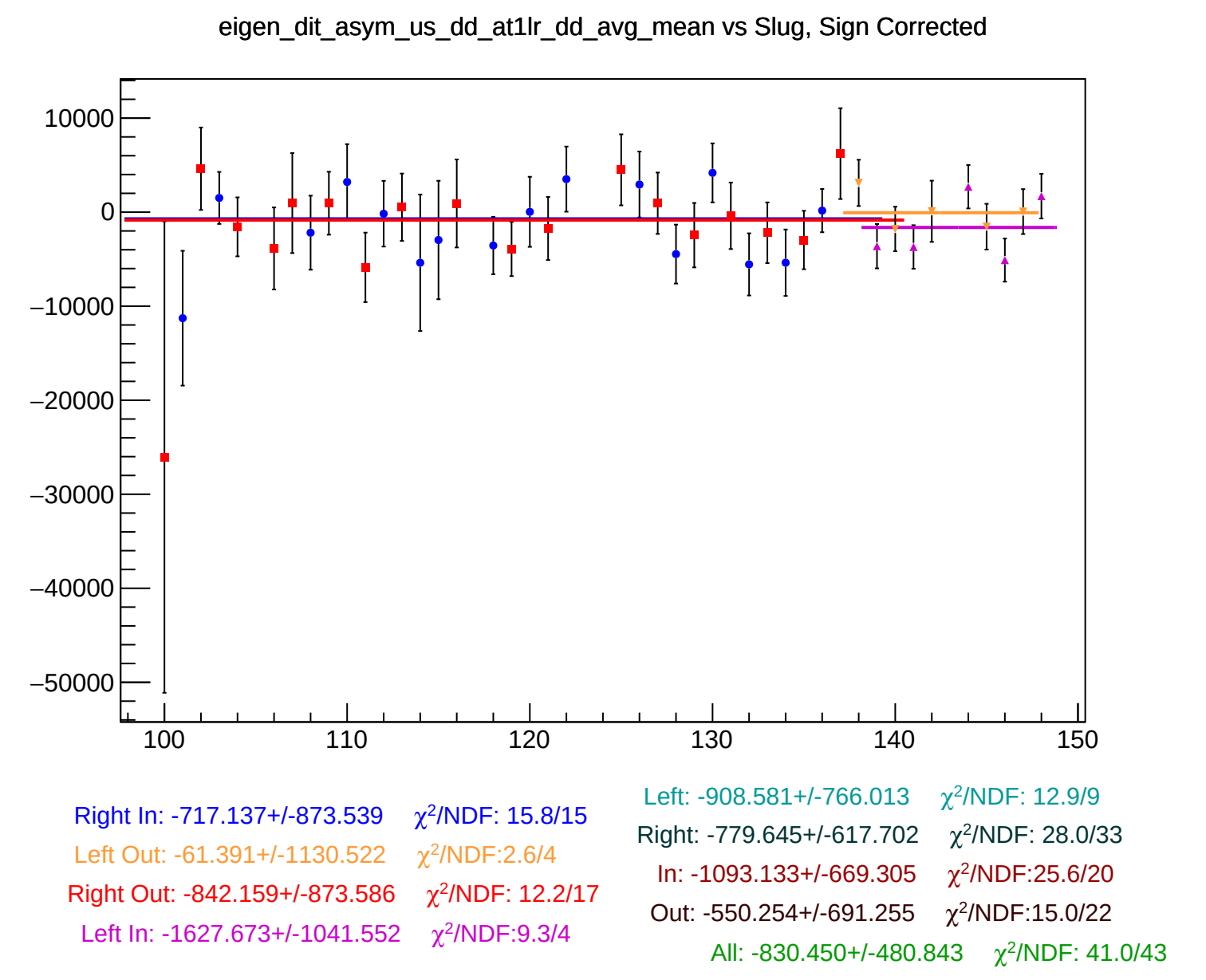
Left: 171.342+/-0.044 χ^2/NDF: 578746.0/9

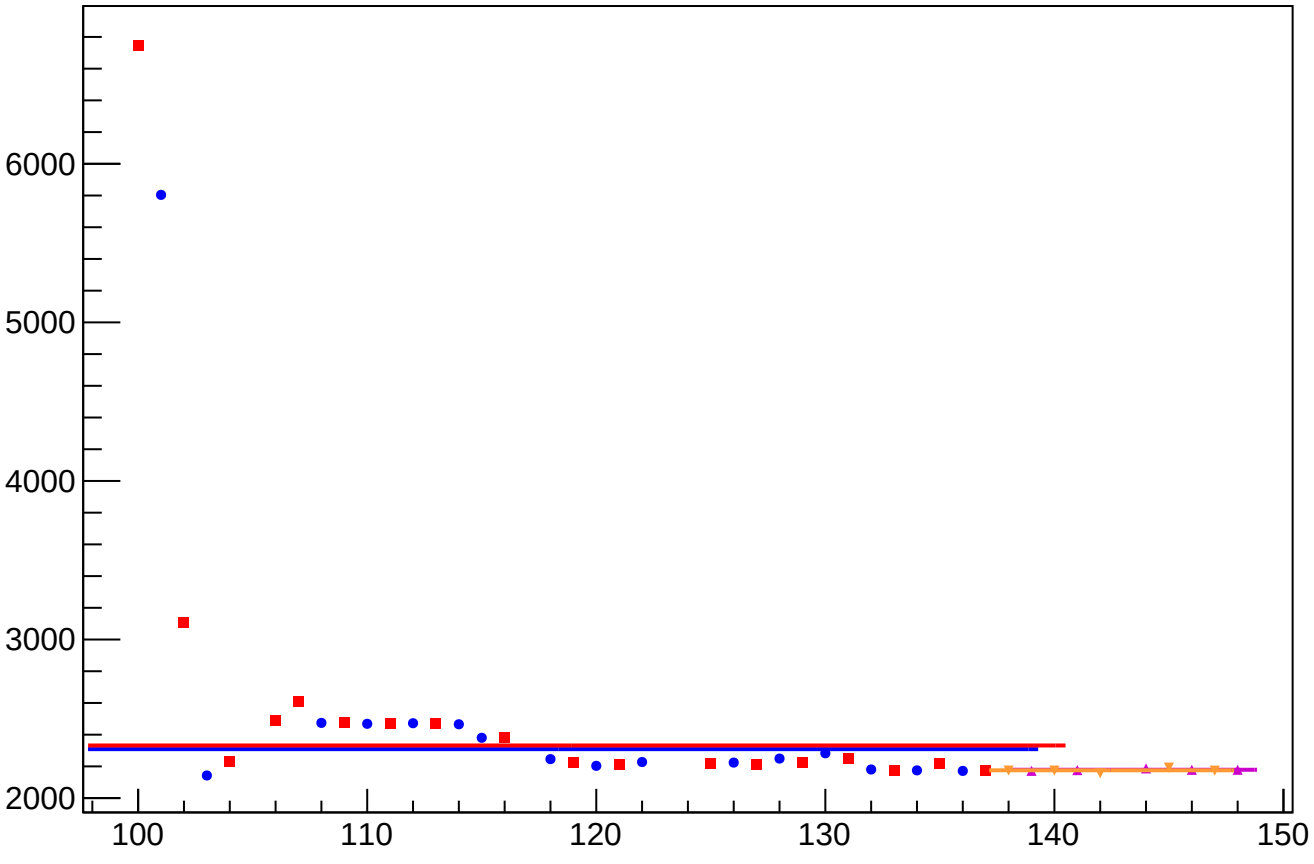
Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 180.754+/-0.044 χ^2/NDF:5962302.7/20

Out: 166.855+/-0.045 χ^2/NDF:7383973.9/22

All: 173.922+/-0.031 χ^2/NDF: 13395708.9/43


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -717.137+/-873.539 χ²/NDF: 15.8/15
Left Out: -61.391+/-1130.522 χ²/NDF:2.6/4
Right Out: -842.159+/-873.586 χ²/NDF: 12.2/17
Left In: -1627.673+/-1041.552 χ²/NDF:9.3/4
Left: -908.581+/-766.013 χ²/NDF: 12.9/9
Right: -779.645+/-617.702 χ²/NDF: 28.0/33
In: -1093.133+/-669.305 χ²/NDF:25.6/20
Out: -550.254+/-691.255 χ²/NDF:15.0/22
All: -830.450+/-480.843 χ²/NDF: 41.0/43



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2175.361+/-0.799 χ^2/NDF:169.9/4

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

Left: 2177.158+/-0.542 χ^2/NDF: 224.8/9

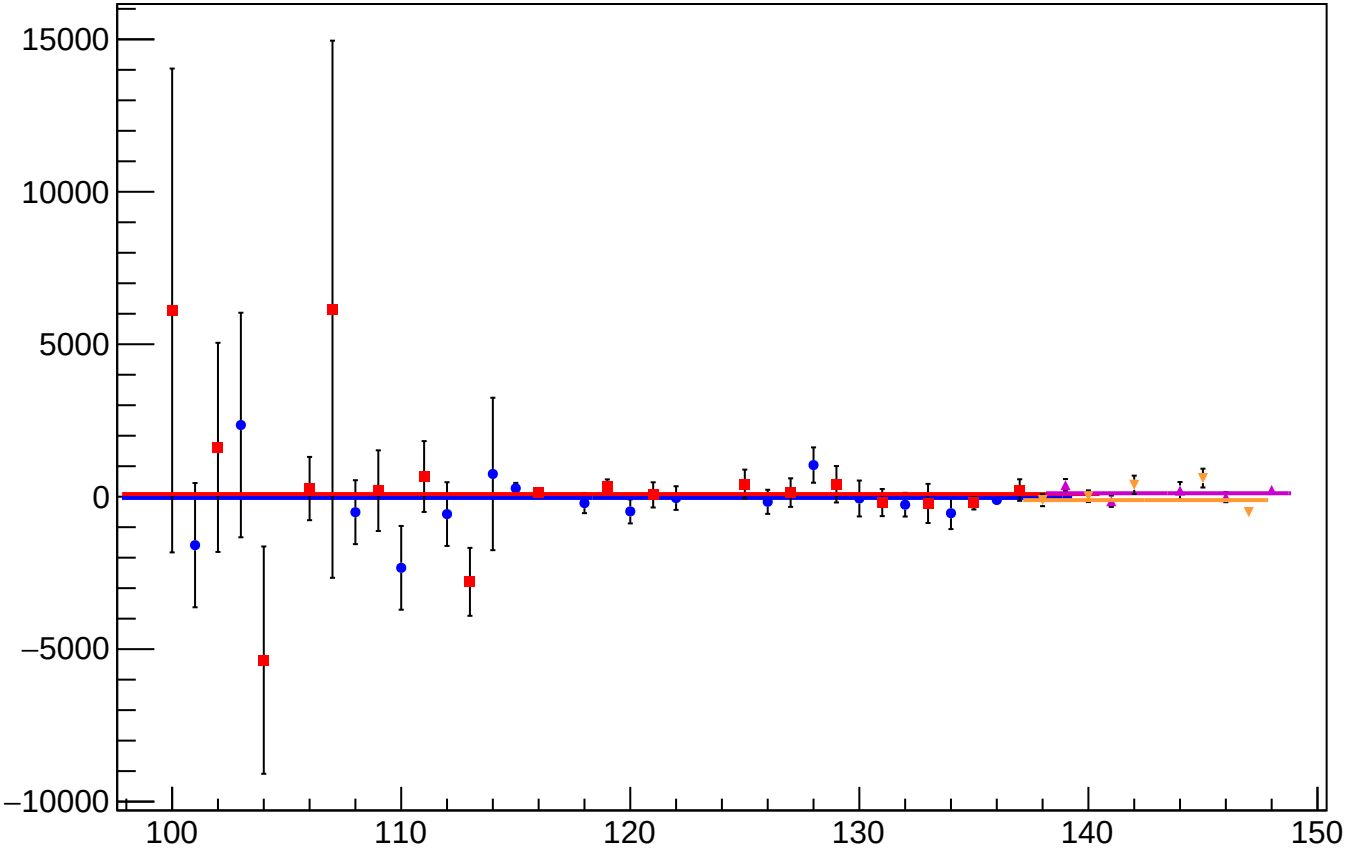
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2255.034+/-0.473 χ^2/NDF:532094.8/20

Out: 2273.344+/-0.489 χ^2/NDF:191485.3/22

All: 2263.893+/-0.340 χ^2/NDF: 724304.4/43

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -112.314+/-92.577 χ^2/NDF:15.3/4

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 113.106+/-83.565 χ^2/NDF:4.9/4

Left: 11.900+/-62.031 χ^2/NDF: 23.5/9

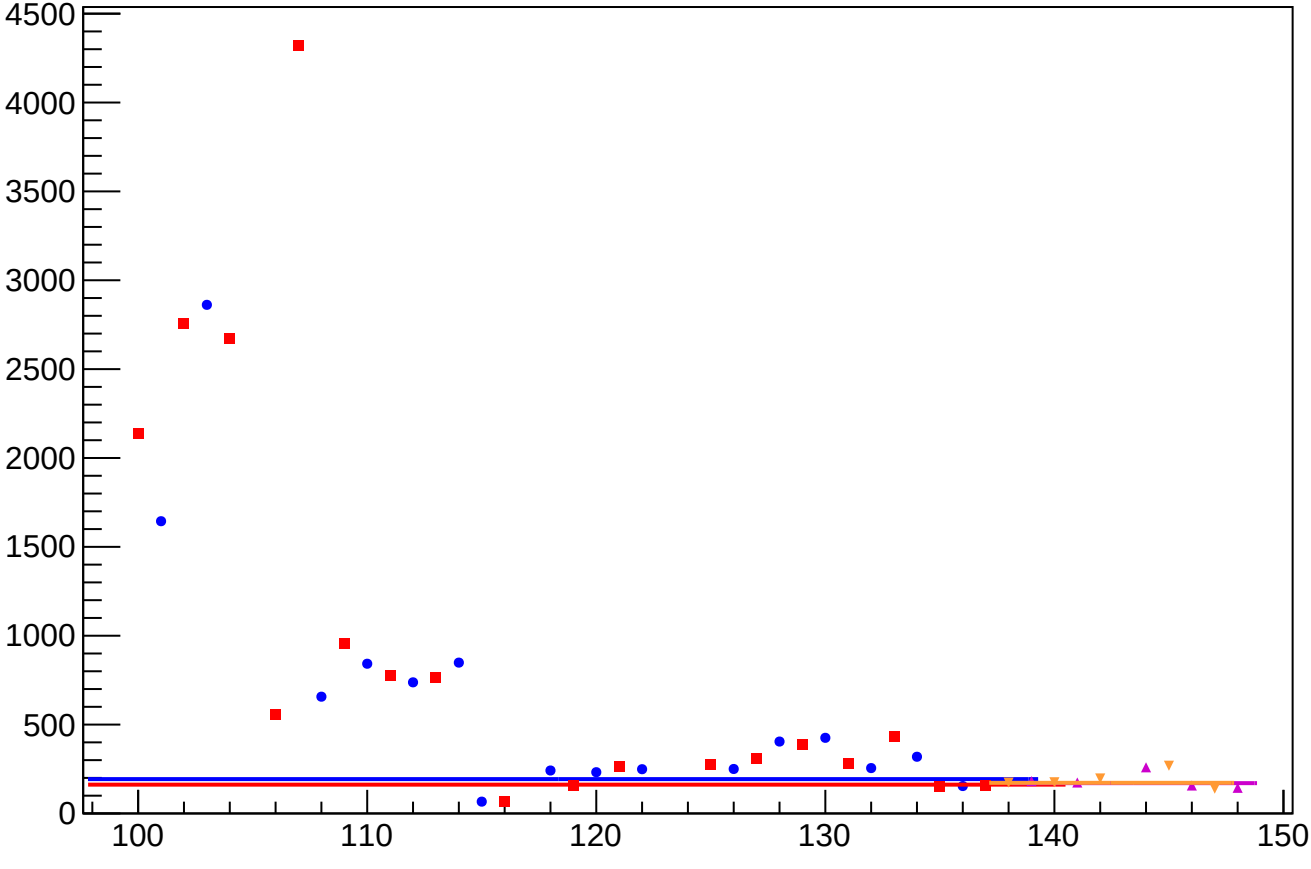
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 44.176+/-61.980 χ^2/NDF:20.5/20

Out: -5.759+/-63.042 χ^2/NDF:32.7/22

All: 19.633+/-44.197 χ^2/NDF: 53.5/43

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: 172.339+/-0.065 χ^2/NDF:300394.6/4

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 170.532+/-0.059 χ^2/NDF:277915.4/4

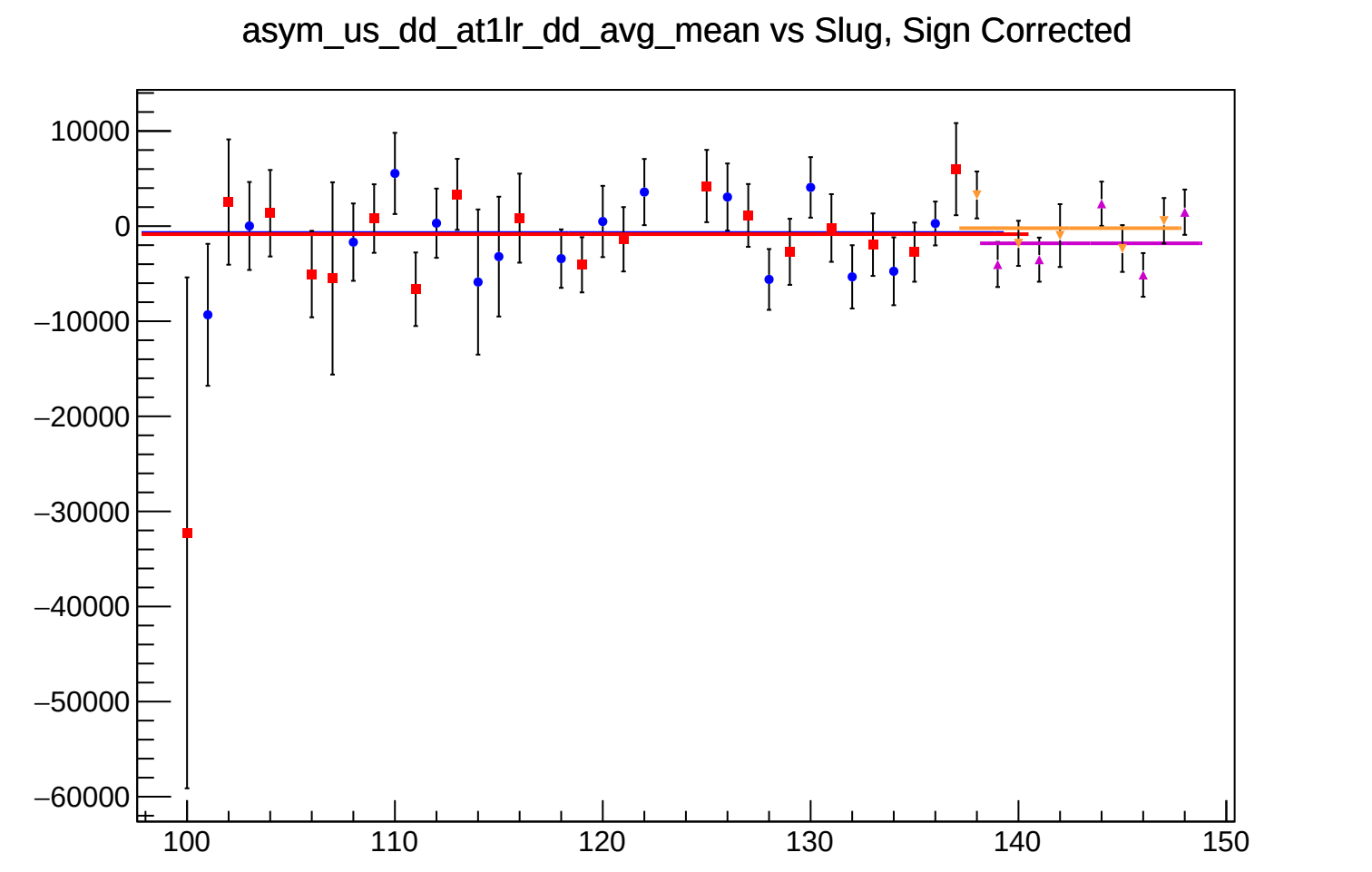
Left: 171.343+/-0.044 χ^2/NDF: 578729.8/9

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 180.754+/-0.044 χ^2/NDF:5962315.4/20

Out: 166.854+/-0.045 χ^2/NDF:7384031.6/22

All: 173.922+/-0.031 χ^2/NDF: 13395782.1/43



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -212.779+/-1137.361 χ^2/NDF:3.4/4

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1808.032+/-1045.613 χ^2/NDF:8.6/4

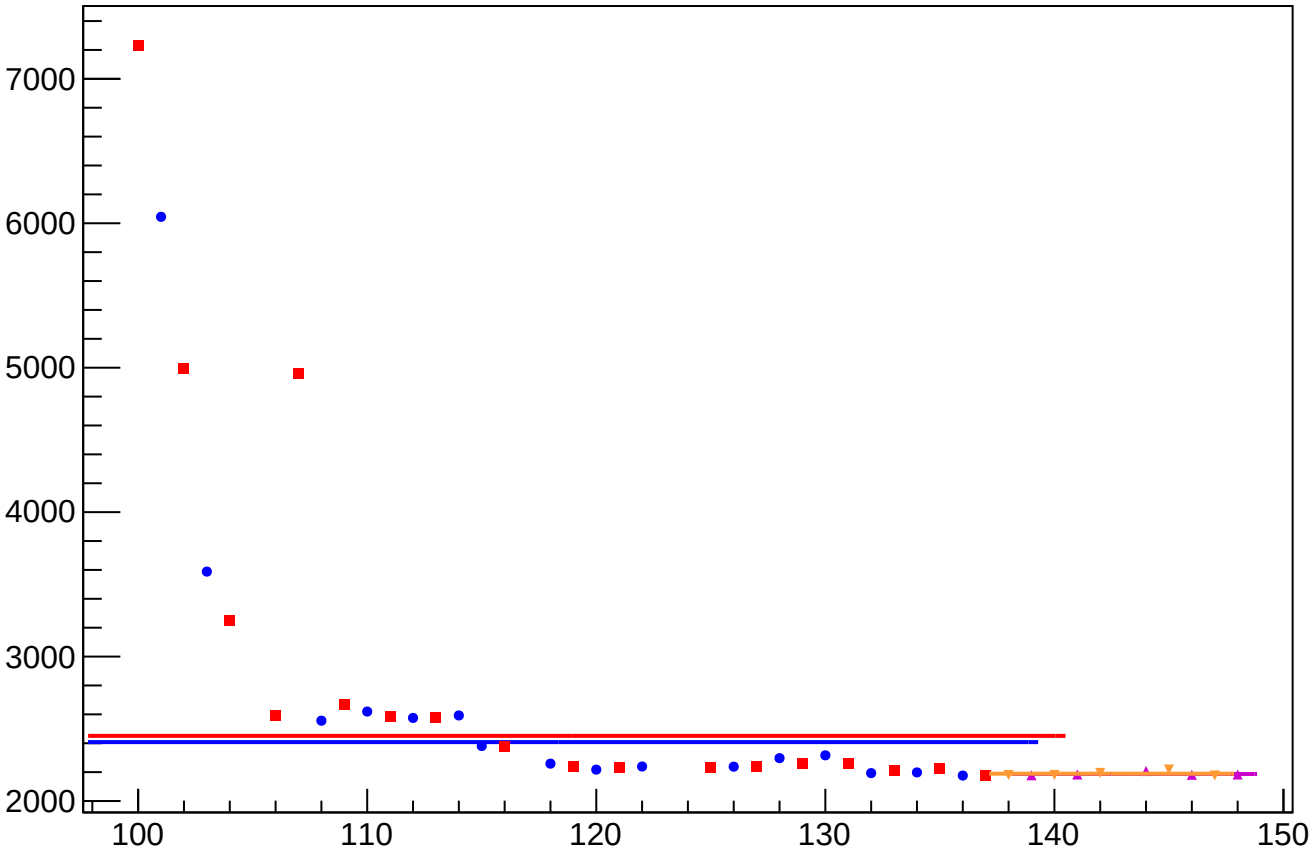
Left: -1077.334+/-769.755 χ^2/NDF: 13.1/9

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1192.324+/-689.102 χ^2/NDF:25.0/20

Out: -591.981+/-719.354 χ^2/NDF:16.5/22

All: -905.041+/-497.620 χ^2/NDF: 41.9/43



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.173+/-0.804 χ^2/NDF:384.5/4

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.150+/-0.739 χ^2/NDF:203.4/4

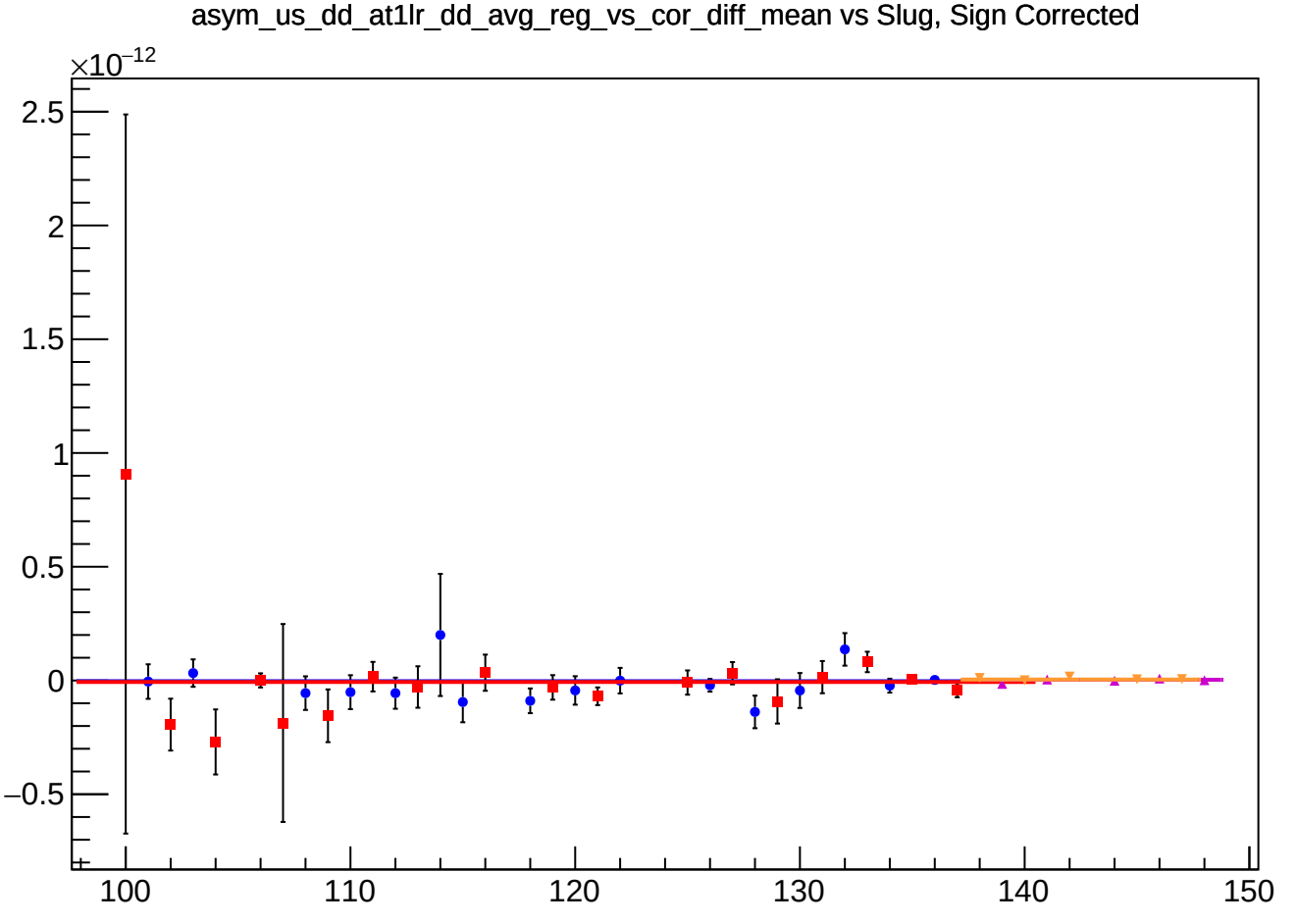
Left: 2188.076+/-0.544 χ^2/NDF: 591.3/9

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2311.961+/-0.487 χ^2/NDF:727472.1/20

Out: 2346.376+/-0.509 χ^2/NDF:697667.3/22

All: 2328.430+/-0.352 χ^2/NDF: 1427526.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

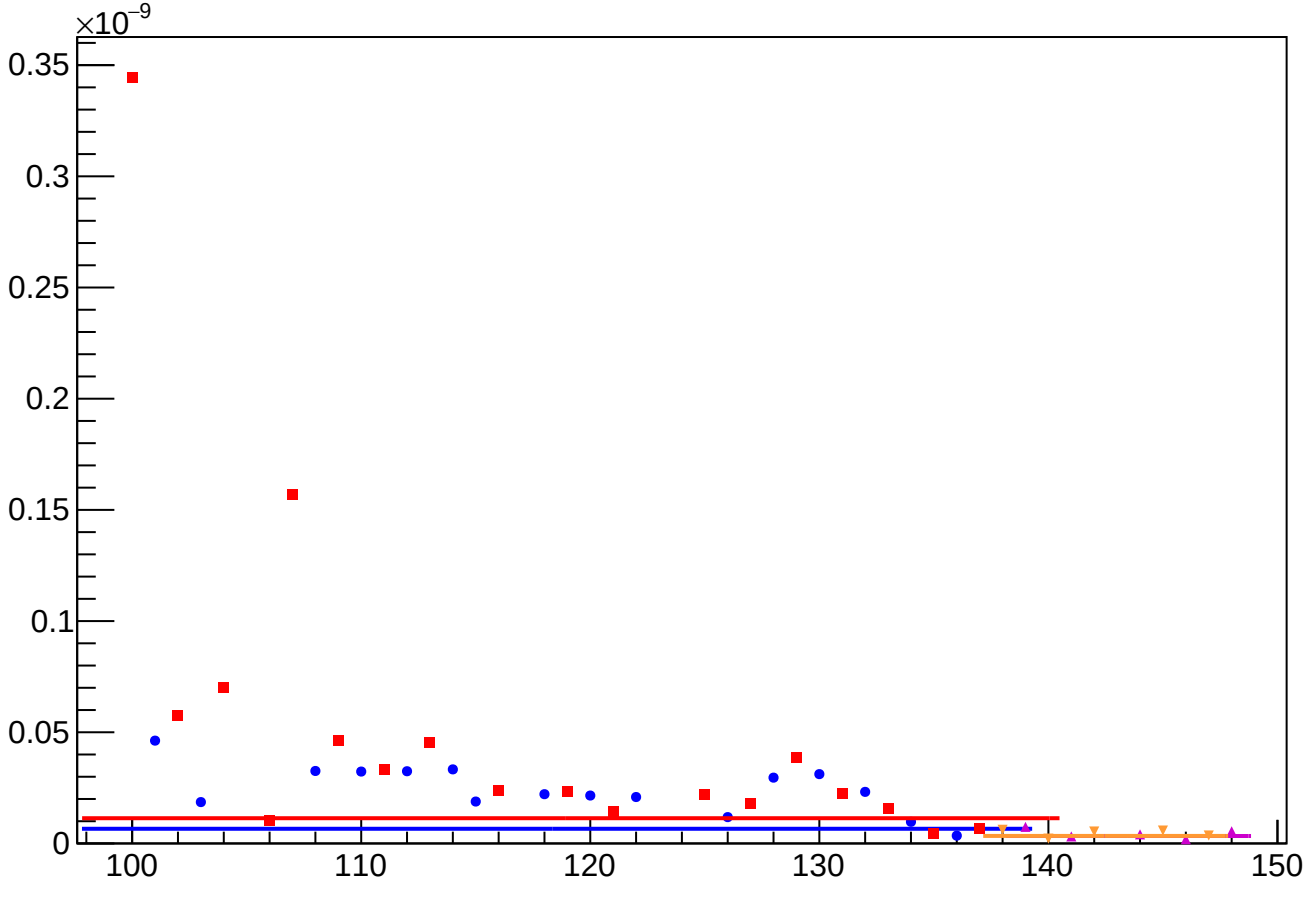
Left: 0.000+/-0.000 χ^2/NDF: 6.2/9

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:20.3/20

Out: 0.000+/-0.000 χ^2/NDF:22.2/22

All: 0.000+/-0.000 χ^2/NDF: 42.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:510461.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:508032.9/4

Left: 0.000+/-0.000 χ^2/NDF: 1018625.6/9

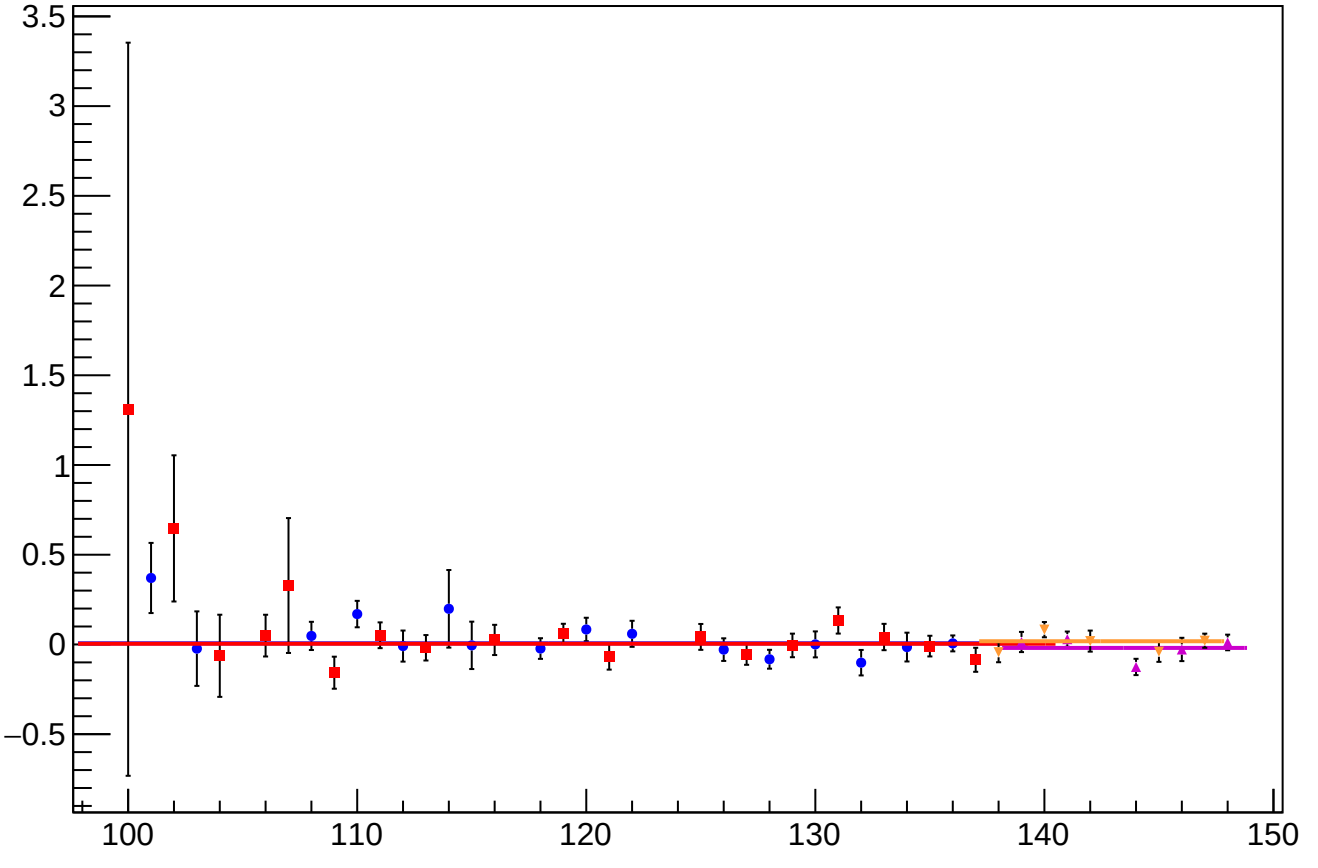
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:3791864.1/20

Out: 0.000+/-0.000 χ^2/NDF:4416944.5/22

All: 0.000+/-0.000 χ^2/NDF: 8210344.8/43

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.022 χ^2/NDF:7.6/4

Left: -0.001+/-0.015 χ^2/NDF: 13.6/9

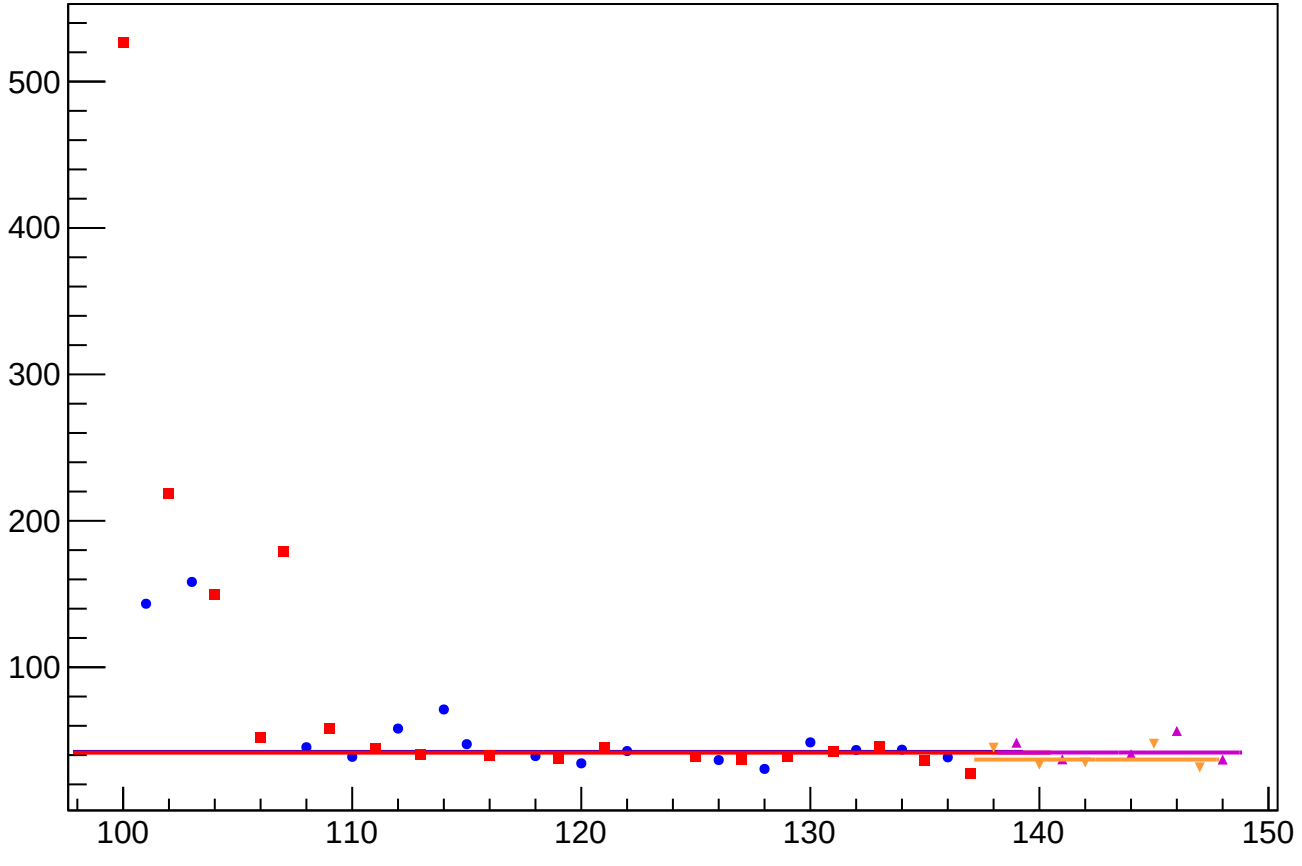
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.003+/-0.010 χ^2/NDF: 47.2/43

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: 36.948+/-0.015 χ^2/NDF:166422.9/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.768+/-0.015 χ^2/NDF:180826.8/4

Left: 39.359+/-0.011 χ^2/NDF: 396453.2/9

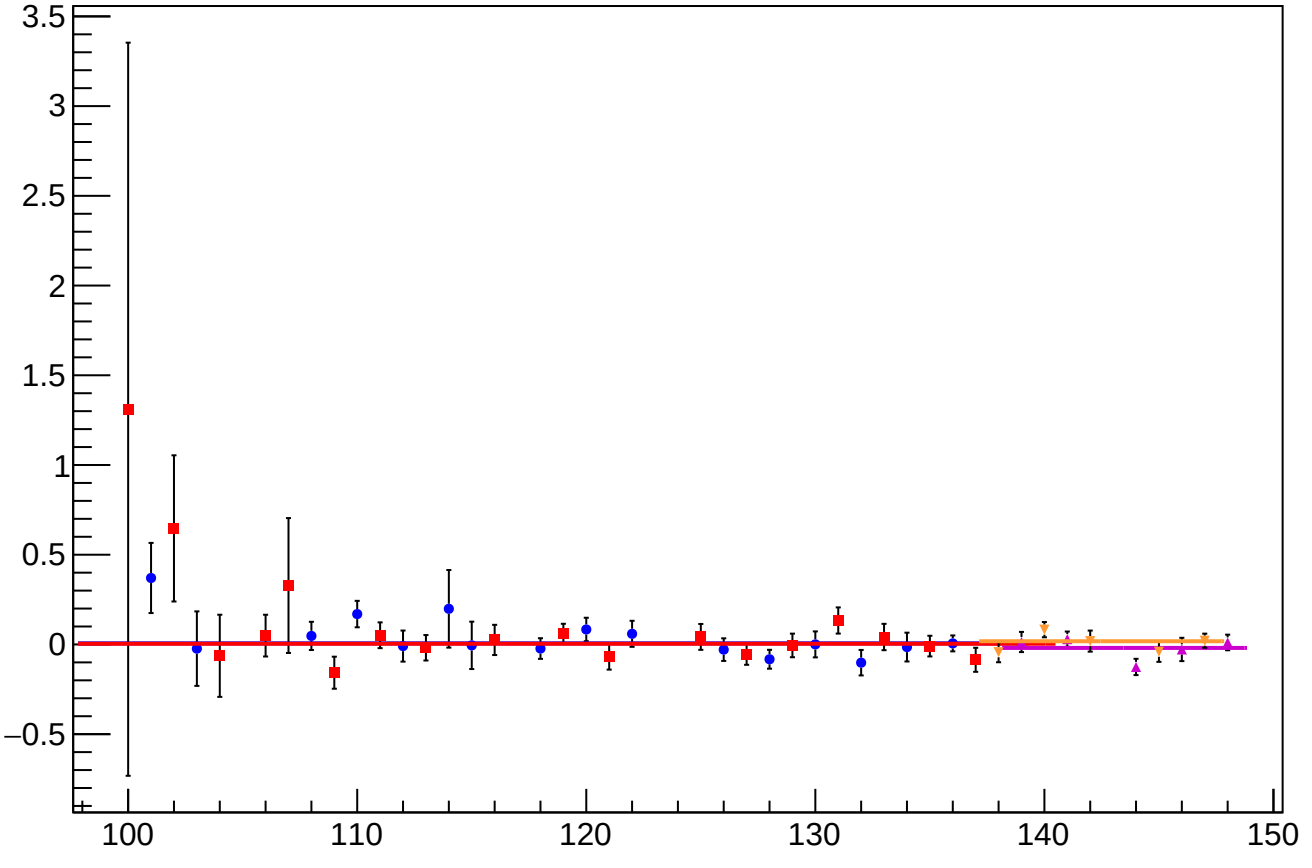
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.001+/-0.010 χ^2/NDF:1635598.4/20

Out: 39.688+/-0.010 χ^2/NDF:1662662.1/22

All: 40.857+/-0.007 χ^2/NDF: 3325350.9/43

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.022 χ^2/NDF:7.6/4

Left: -0.001+/-0.015 χ^2/NDF: 13.6/9

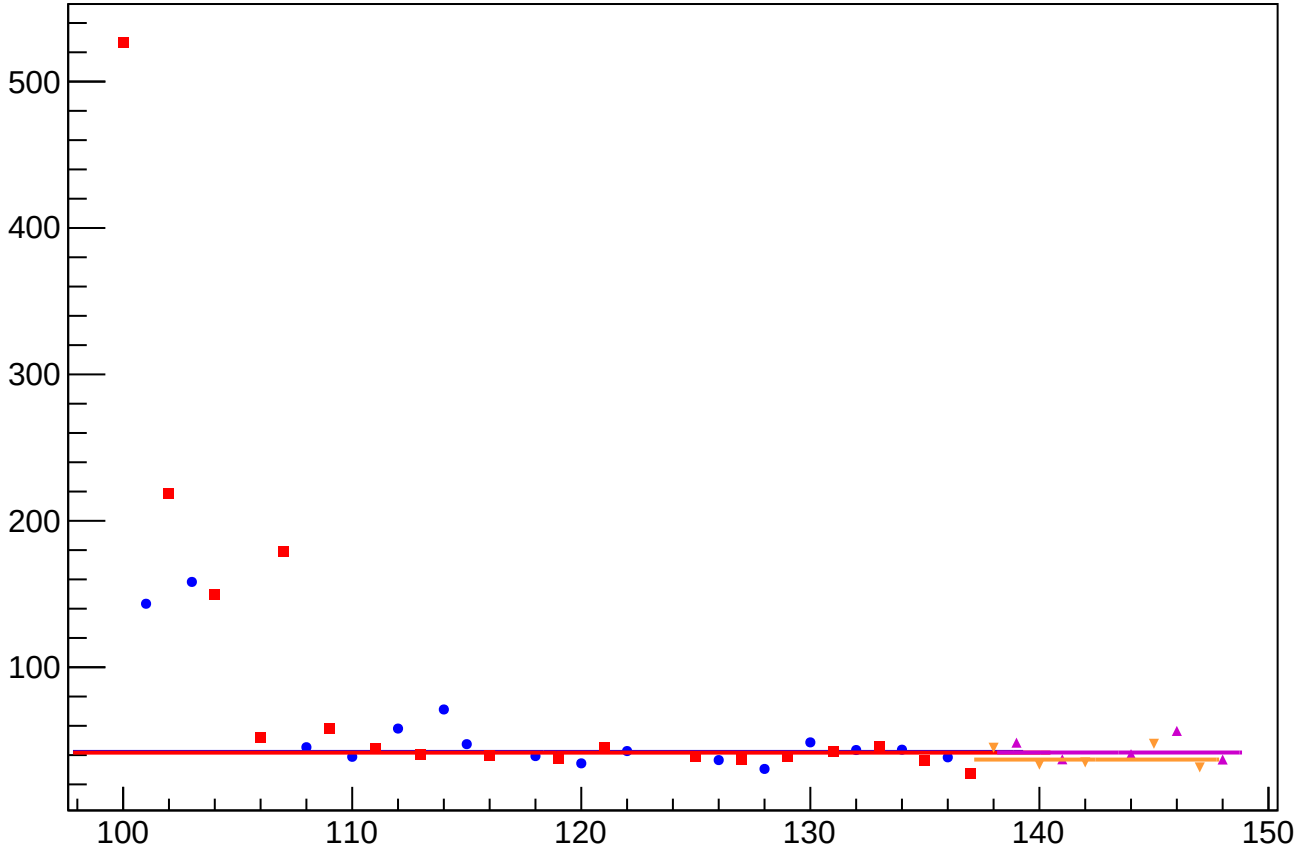
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.003+/-0.010 χ^2/NDF: 47.2/43

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: 36.948+/-0.015 χ^2/NDF:166422.9/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 41.768+/-0.015 χ^2/NDF:180826.8/4

Left: 39.359+/-0.011 χ^2/NDF: 396453.2/9

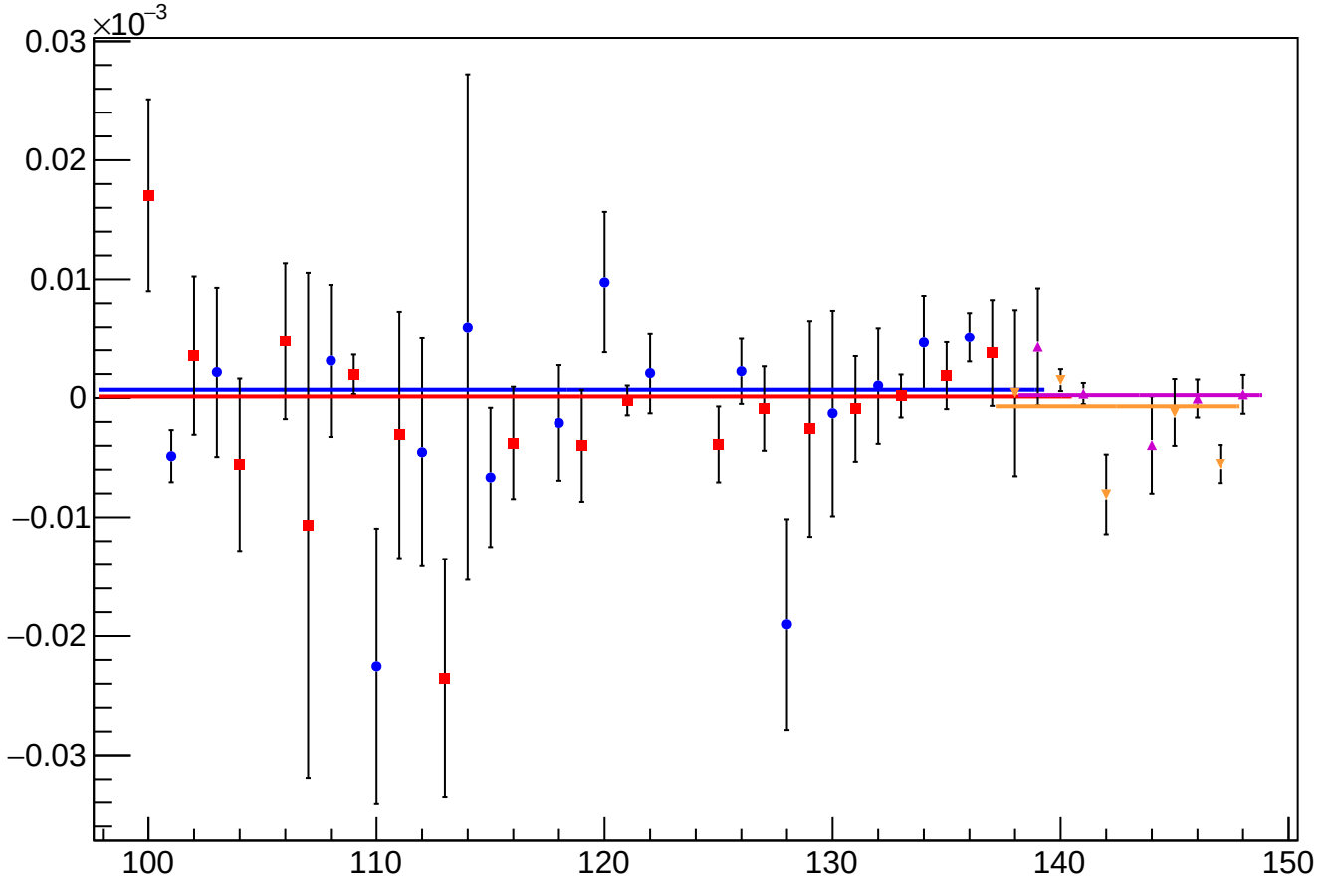
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.001+/-0.010 χ^2/NDF:1635598.4/20

Out: 39.688+/-0.010 χ^2/NDF:1662662.1/22

All: 40.857+/-0.007 χ^2/NDF: 3325350.9/43

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:19.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

Left: -0.000+/-0.000 χ^2/NDF: 22.5/9

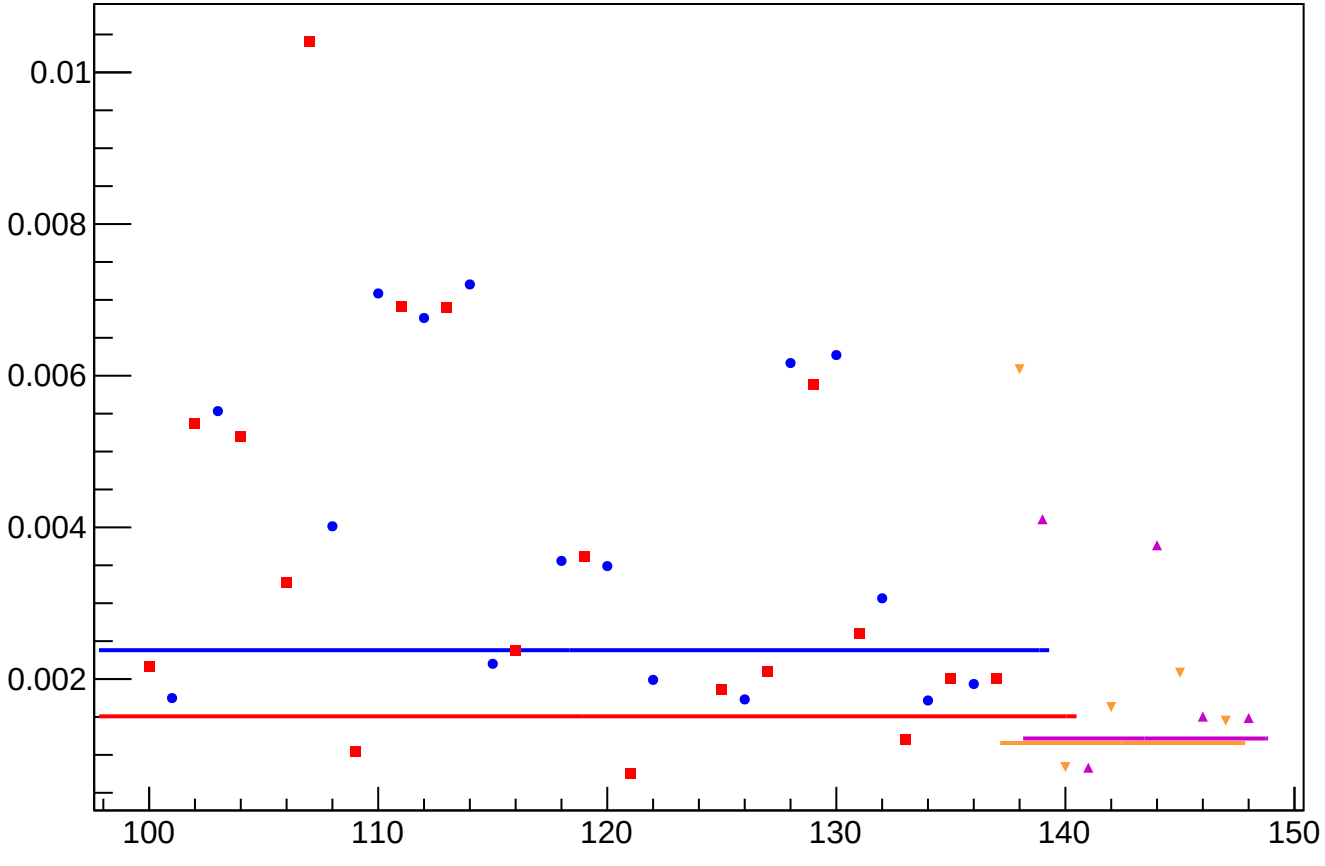
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:28.4/20

Out: -0.000+/-0.000 χ^2/NDF:37.9/22

All: 0.000+/-0.000 χ^2/NDF: 67.0/43

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:1561655.9/4

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:1965362.7/4

Left: 0.001+/-0.000 χ^2/NDF: 3534122.3/9

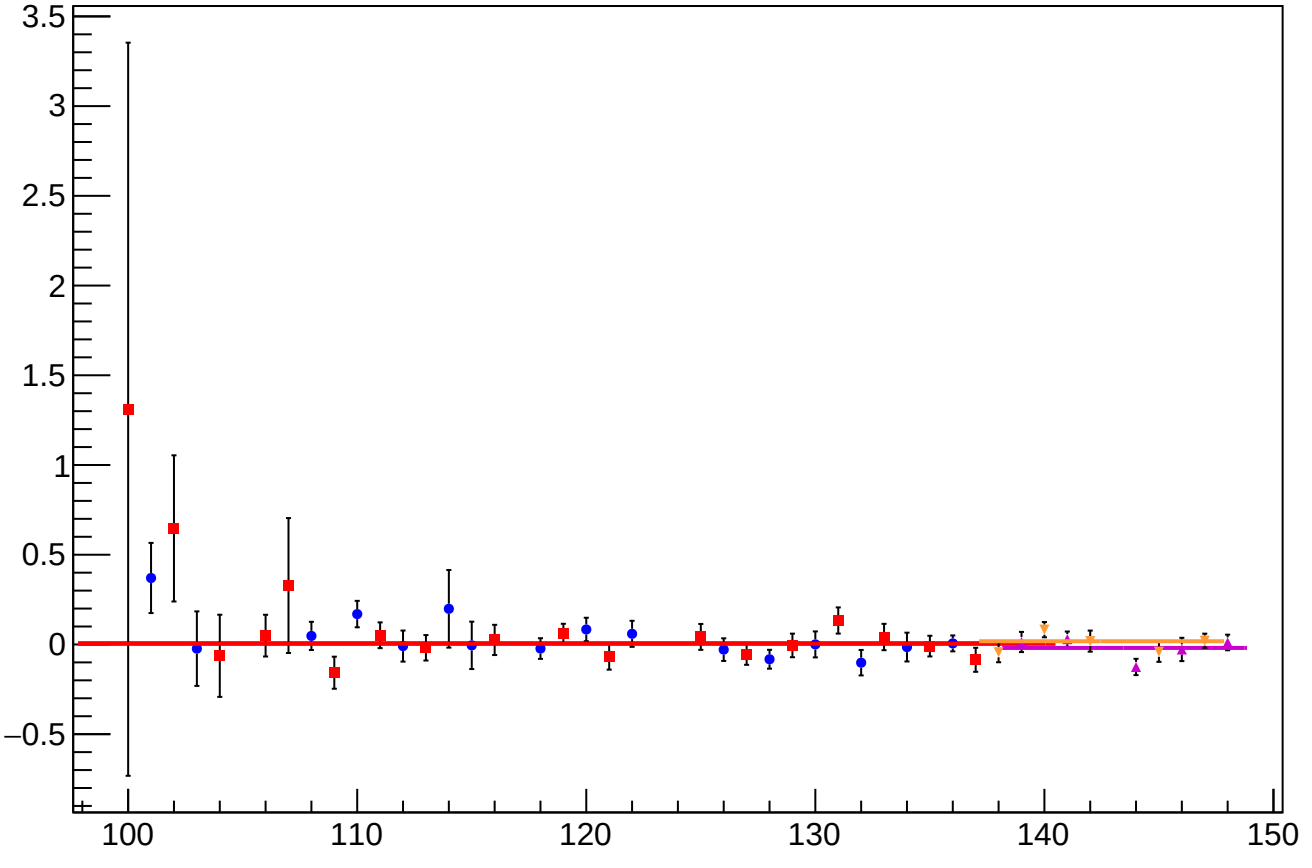
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6602868.2/20

Out: 0.001+/-0.000 χ^2/NDF:6795379.1/22

All: 0.001+/-0.000 χ^2/NDF: 13594853.5/43

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.022 χ^2/NDF:7.6/4

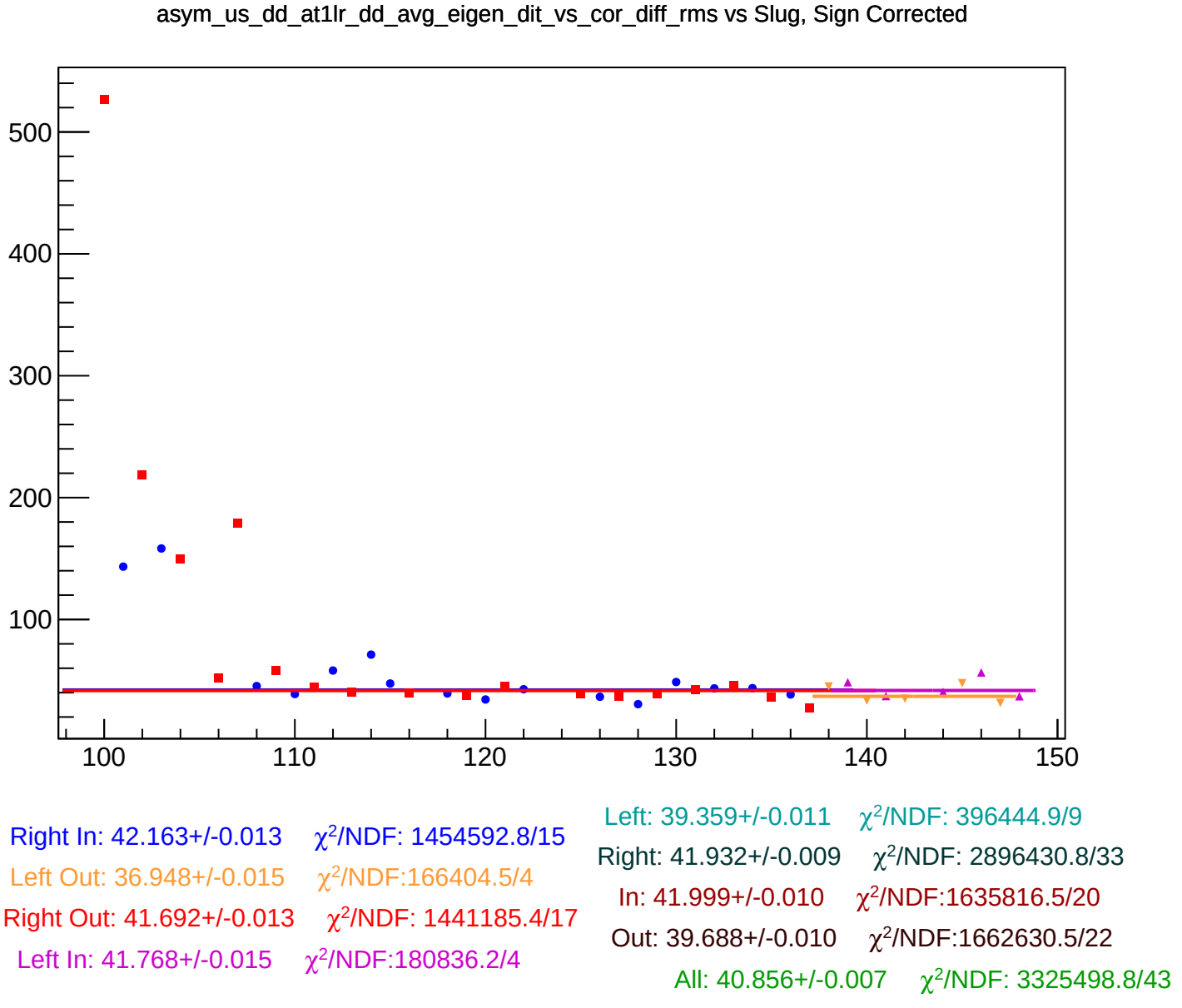
Left: -0.001+/-0.015 χ^2/NDF: 13.6/9

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

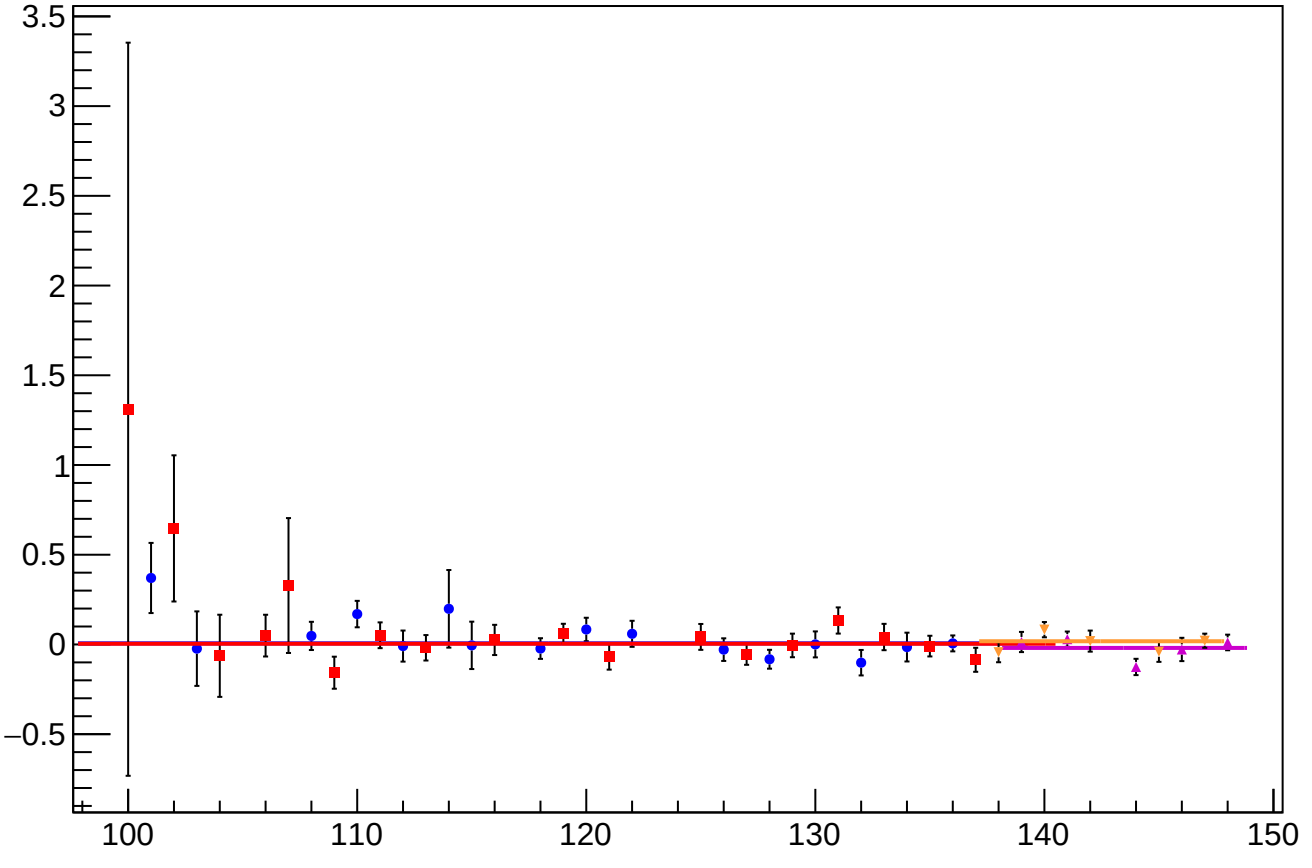
In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.003+/-0.010 χ^2/NDF: 47.2/43


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 36.948+/-0.015 χ²/NDF:166404.5/4
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 41.768+/-0.015 χ²/NDF:180836.2/4
Left: 39.359+/-0.011 χ²/NDF: 396444.9/9
Right: 41.932+/-0.009 χ²/NDF: 2896430.8/33
In: 41.999+/-0.010 χ²/NDF:1635816.5/20
Out: 39.688+/-0.010 χ²/NDF:1662630.5/22
All: 40.856+/-0.007 χ²/NDF: 3325498.8/43

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.022 χ^2/NDF:7.6/4

Left: -0.001+/-0.015 χ^2/NDF: 13.6/9

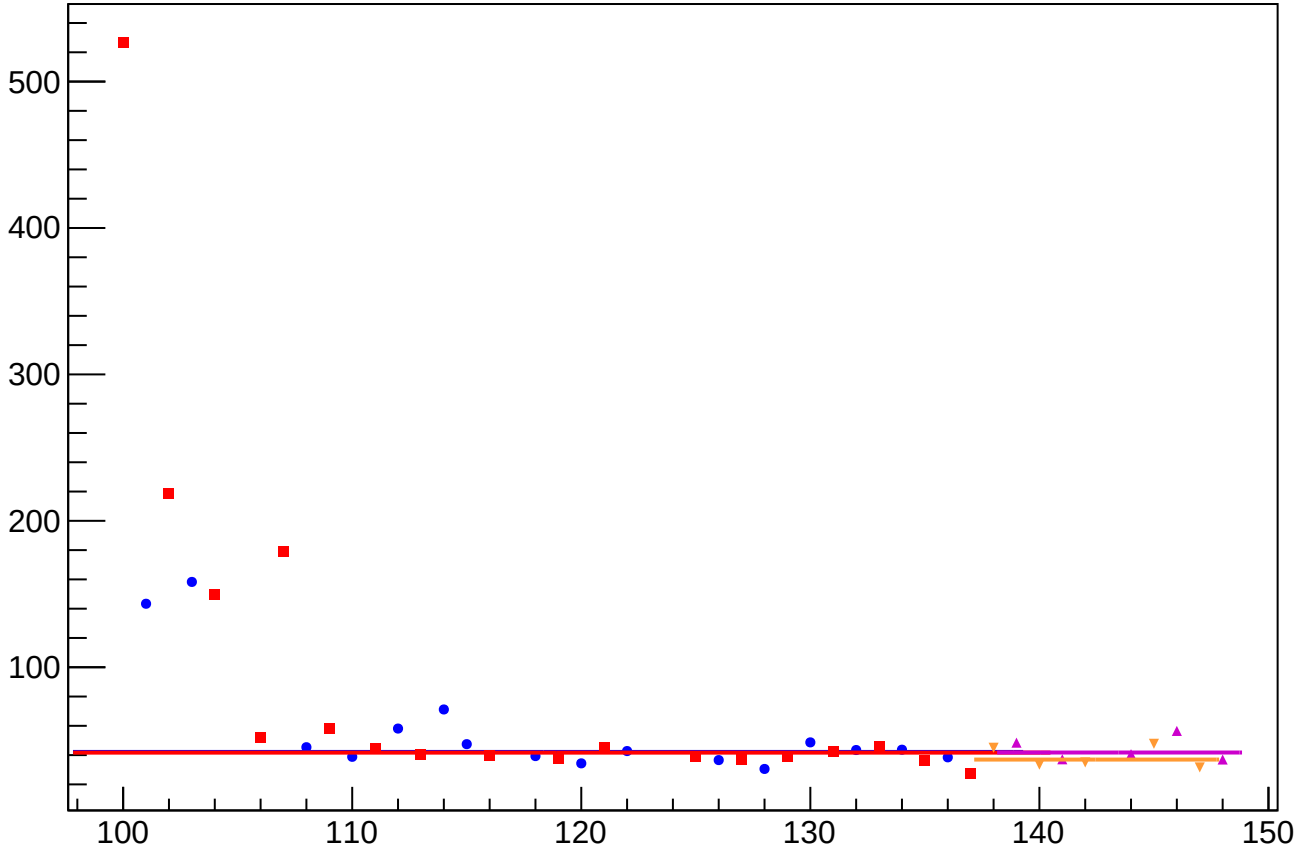
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.003+/-0.010 χ^2/NDF: 47.2/43

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: 36.948+/-0.015 χ^2/NDF:166404.5/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 41.768+/-0.015 χ^2/NDF:180836.2/4

Left: 39.359+/-0.011 χ^2/NDF: 396444.9/9

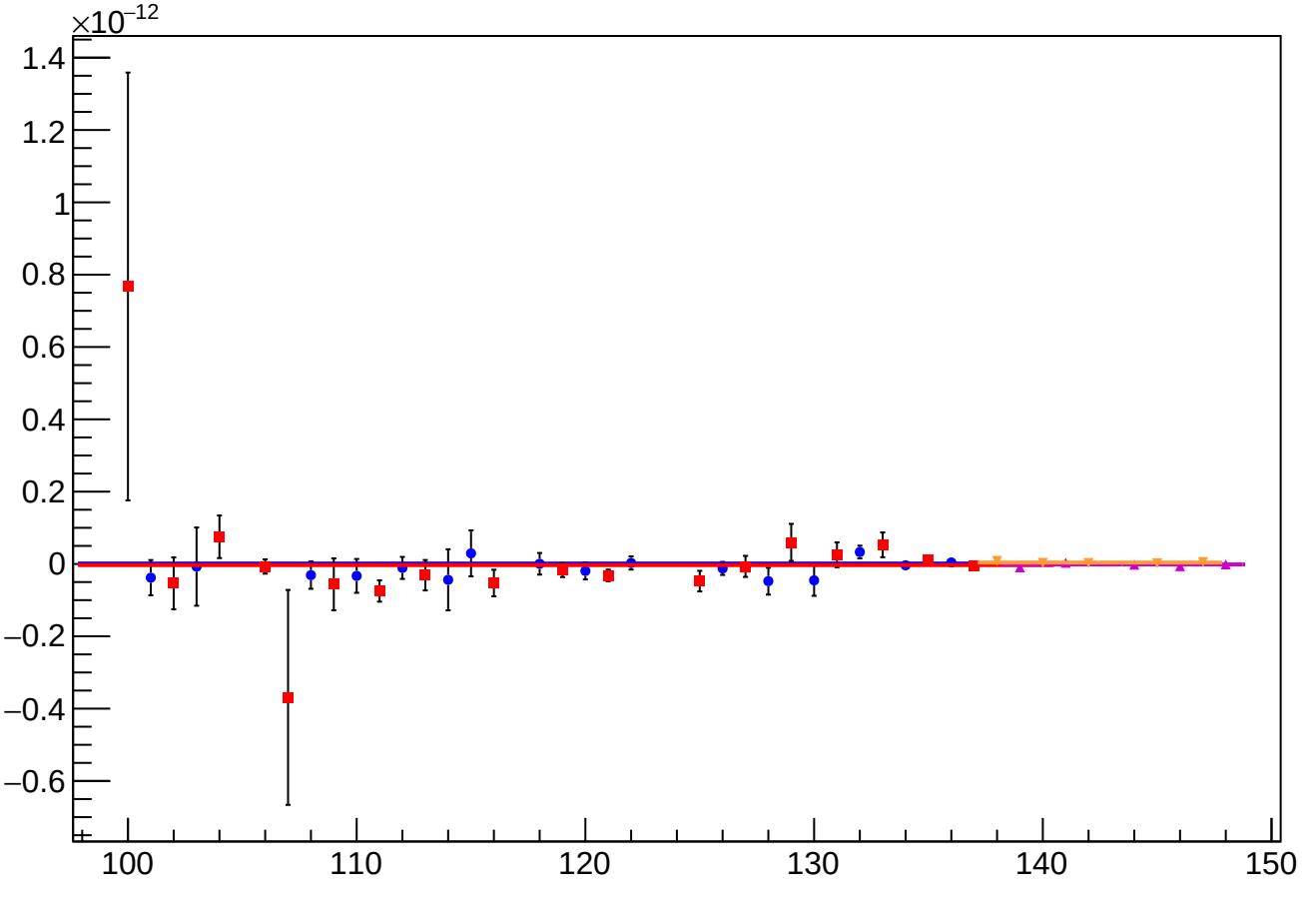
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.999+/-0.010 χ^2/NDF:1635816.5/20

Out: 39.688+/-0.010 χ^2/NDF:1662630.5/22

All: 40.856+/-0.007 χ^2/NDF: 3325498.8/43

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:1.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/4

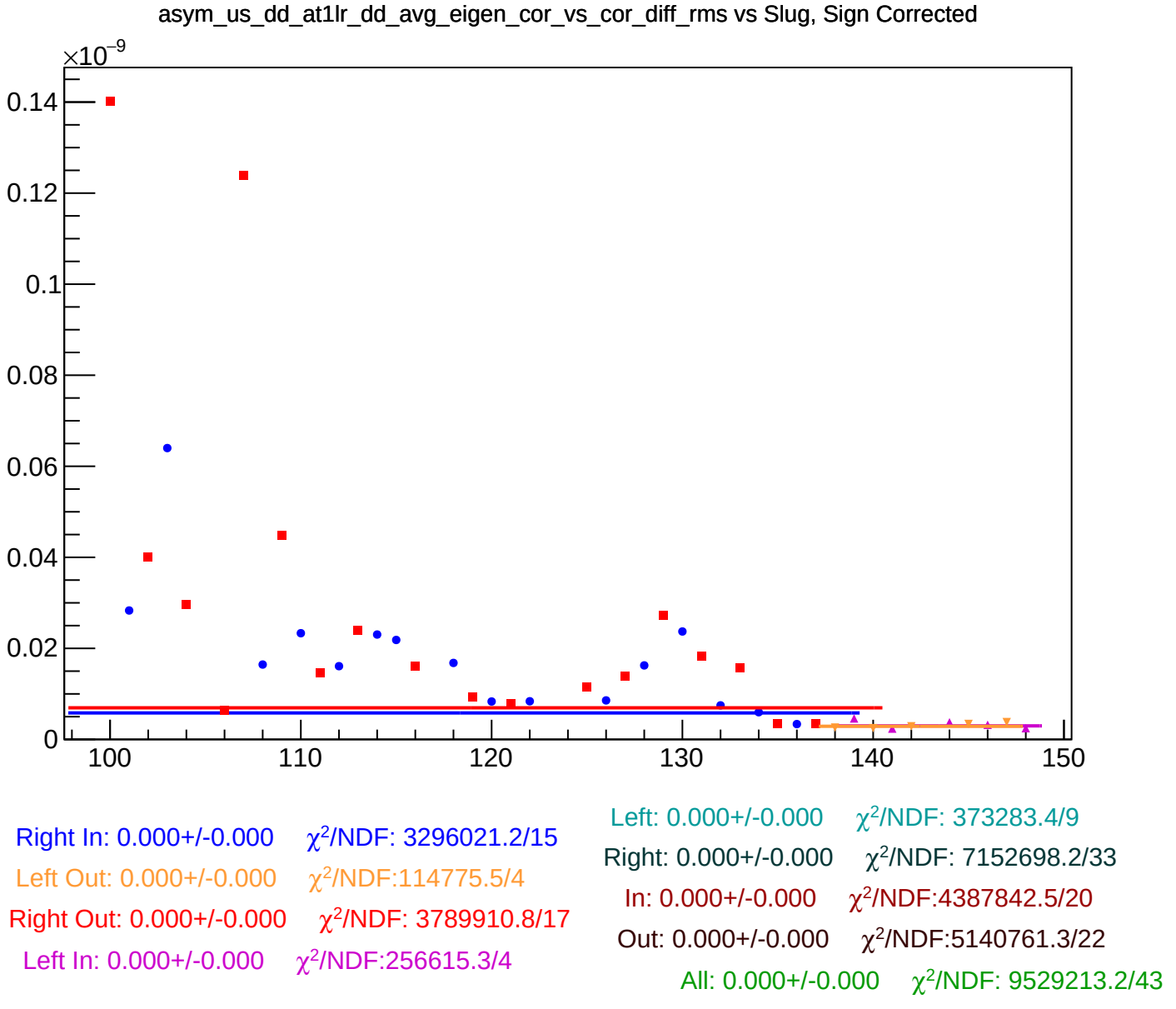
Left: 0.000+/-0.000 χ^2/NDF: 8.8/9

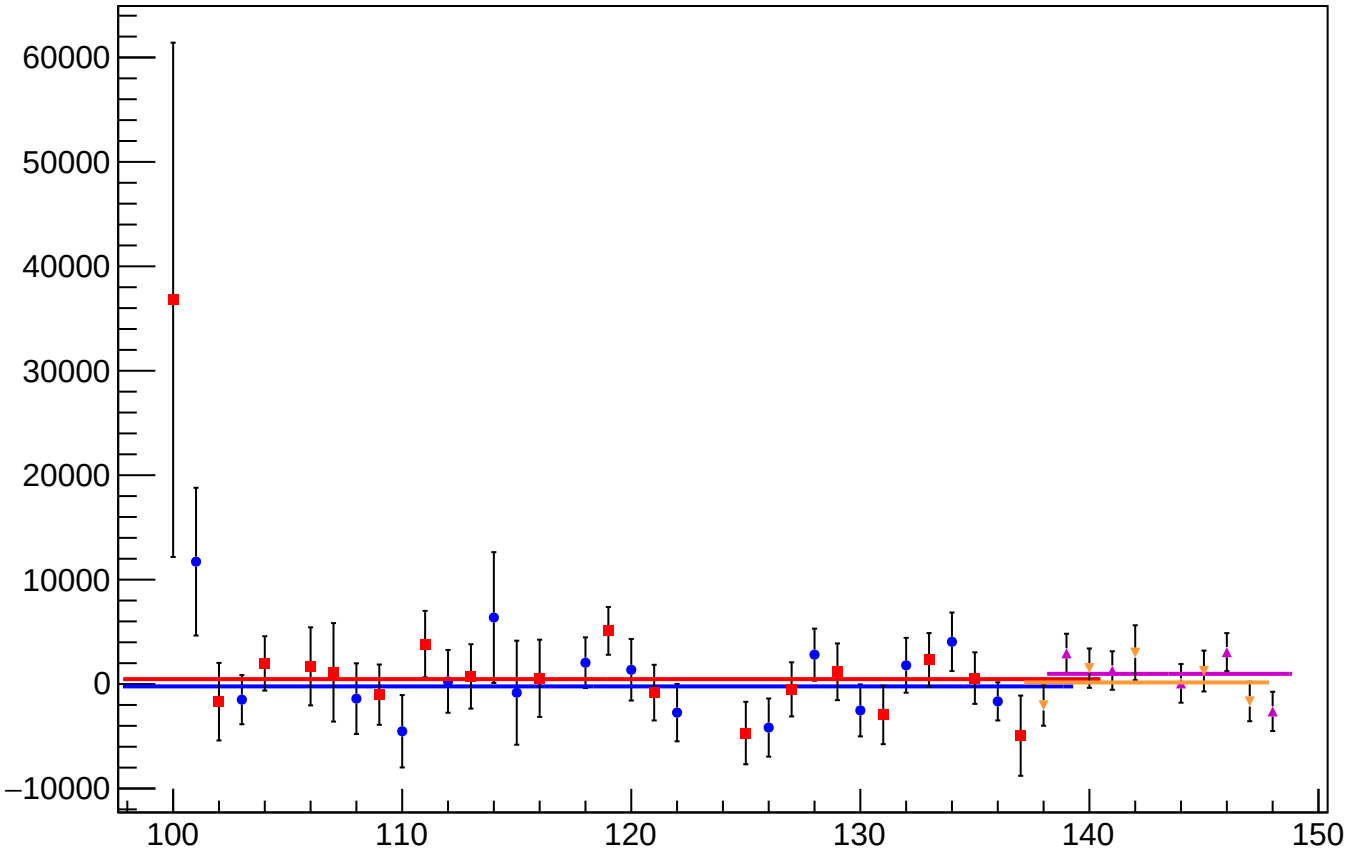
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:15.1/20

Out: 0.000+/-0.000 χ^2/NDF:31.9/22

All: 0.000+/-0.000 χ^2/NDF: 48.9/43


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:114775.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:256615.3/4
Left: 0.000+/-0.000 χ²/NDF: 373283.4/9
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4387842.5/20
Out: 0.000+/-0.000 χ²/NDF:5140761.3/22
All: 0.000+/-0.000 χ²/NDF: 9529213.2/43



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 155.304+/-901.892 χ^2/NDF:4.2/4

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 978.168+/-828.959 χ^2/NDF:6.3/4

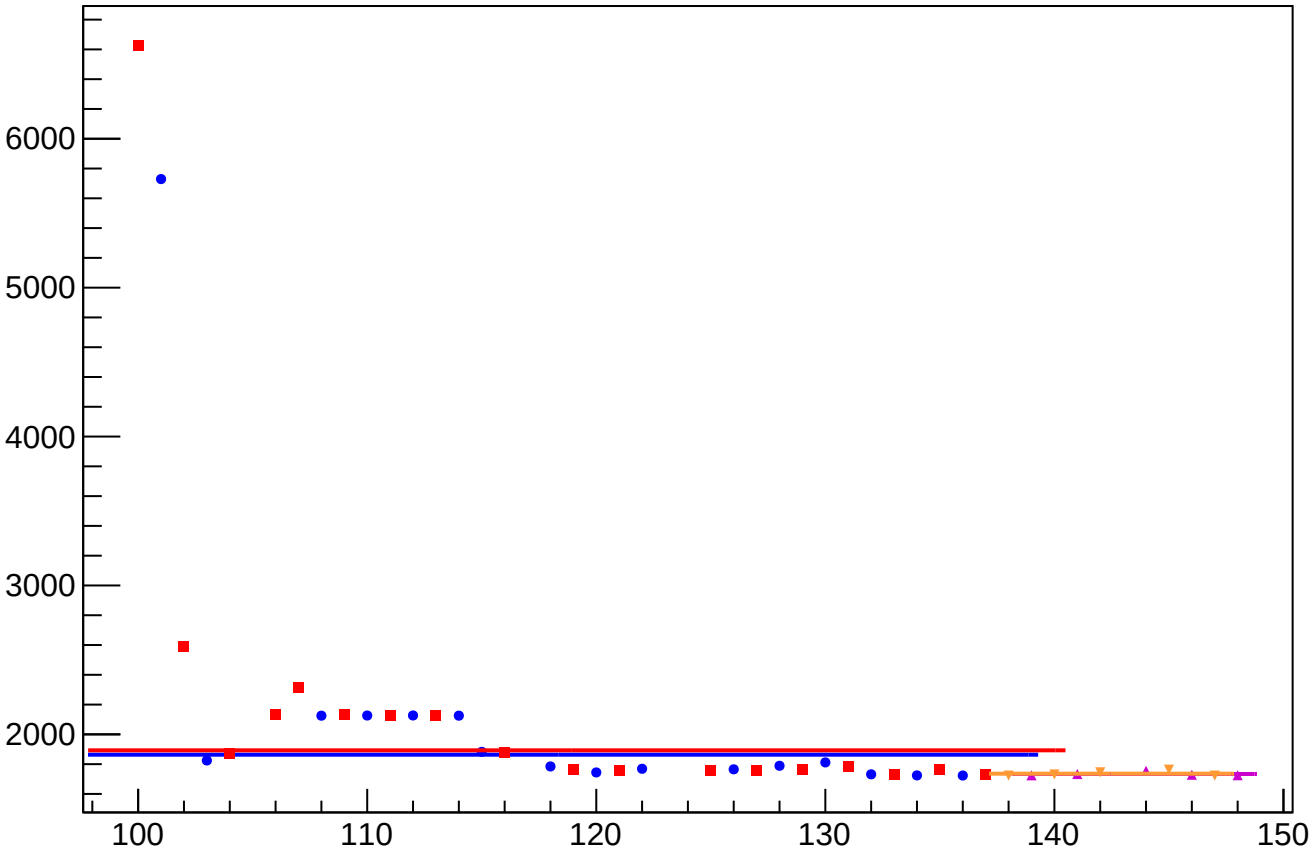
Left: 601.348+/-610.320 χ^2/NDF: 11.0/9

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 284.597+/-538.872 χ^2/NDF:23.4/20

Out: 350.769+/-558.589 χ^2/NDF:20.1/22

All: 316.495+/-387.823 χ^2/NDF: 43.5/43



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

Left: 1734.843+/-0.432 χ^2/NDF: 984.6/9

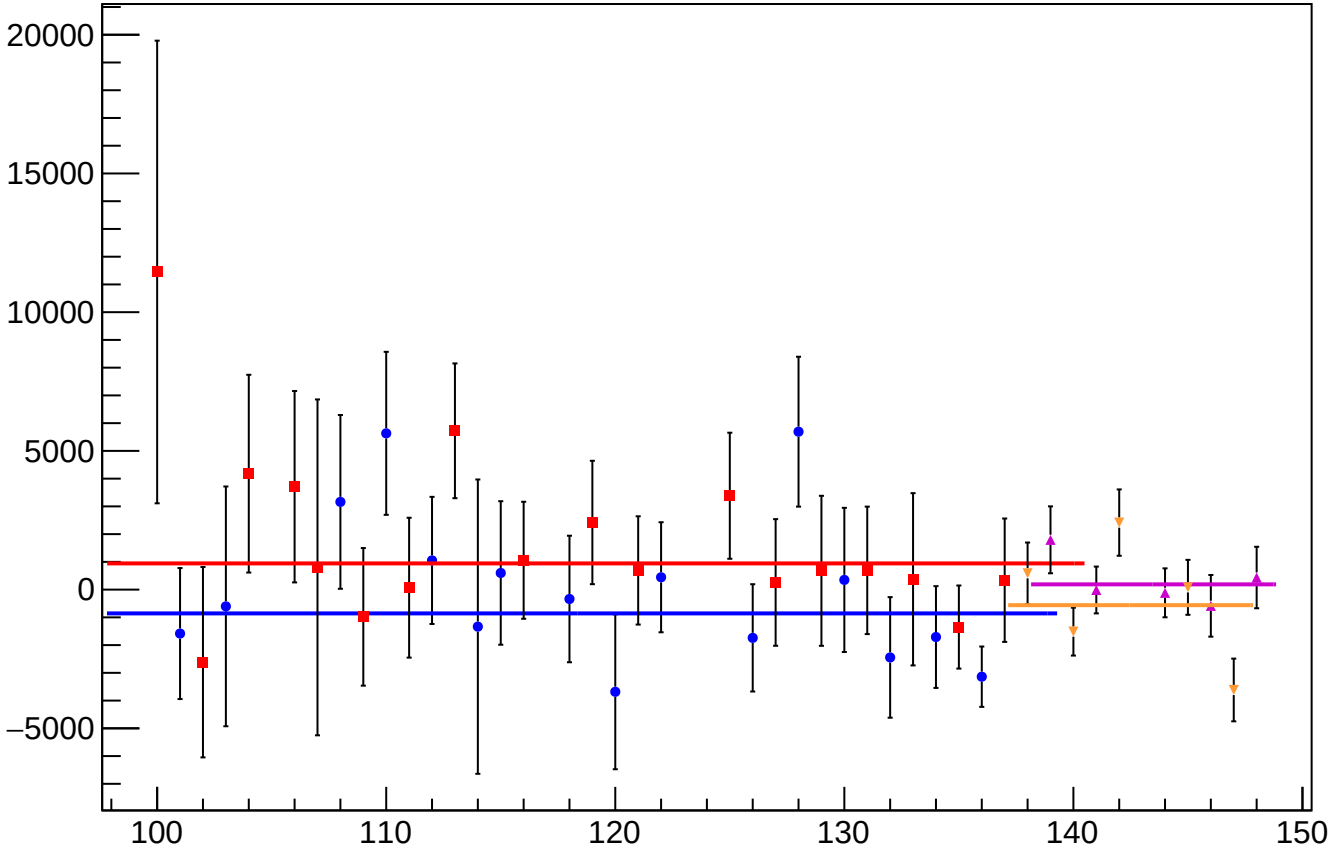
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1808.801+/-0.381 χ^2/NDF:703286.2/20

Out: 1832.656+/-0.395 χ^2/NDF:289453.4/22

All: 1820.300+/-0.274 χ^2/NDF: 994629.0/43

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -560.634+/-463.396 χ^2/NDF:16.2/4

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 189.517+/-447.158 χ^2/NDF:2.5/4

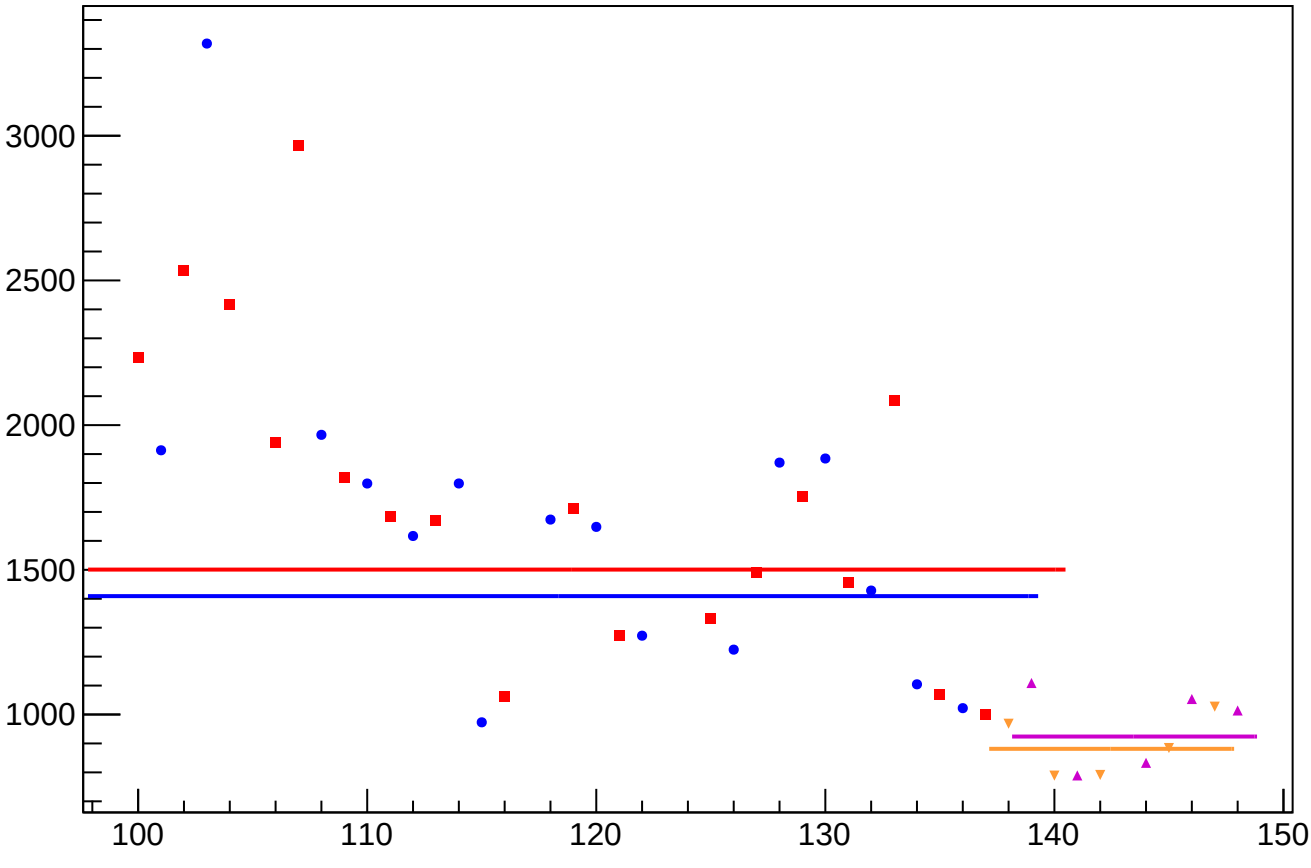
Left: -172.186+/-321.776 χ^2/NDF: 20.1/9

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -227.253+/-346.906 χ^2/NDF:25.3/20

Out: 21.014+/-362.994 χ^2/NDF:33.2/22

All: -108.743+/-250.794 χ^2/NDF: 58.7/43



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 881.406+/-0.328 χ^2/NDF:79887.4/4

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 923.868+/-0.316 χ^2/NDF:159437.5/4

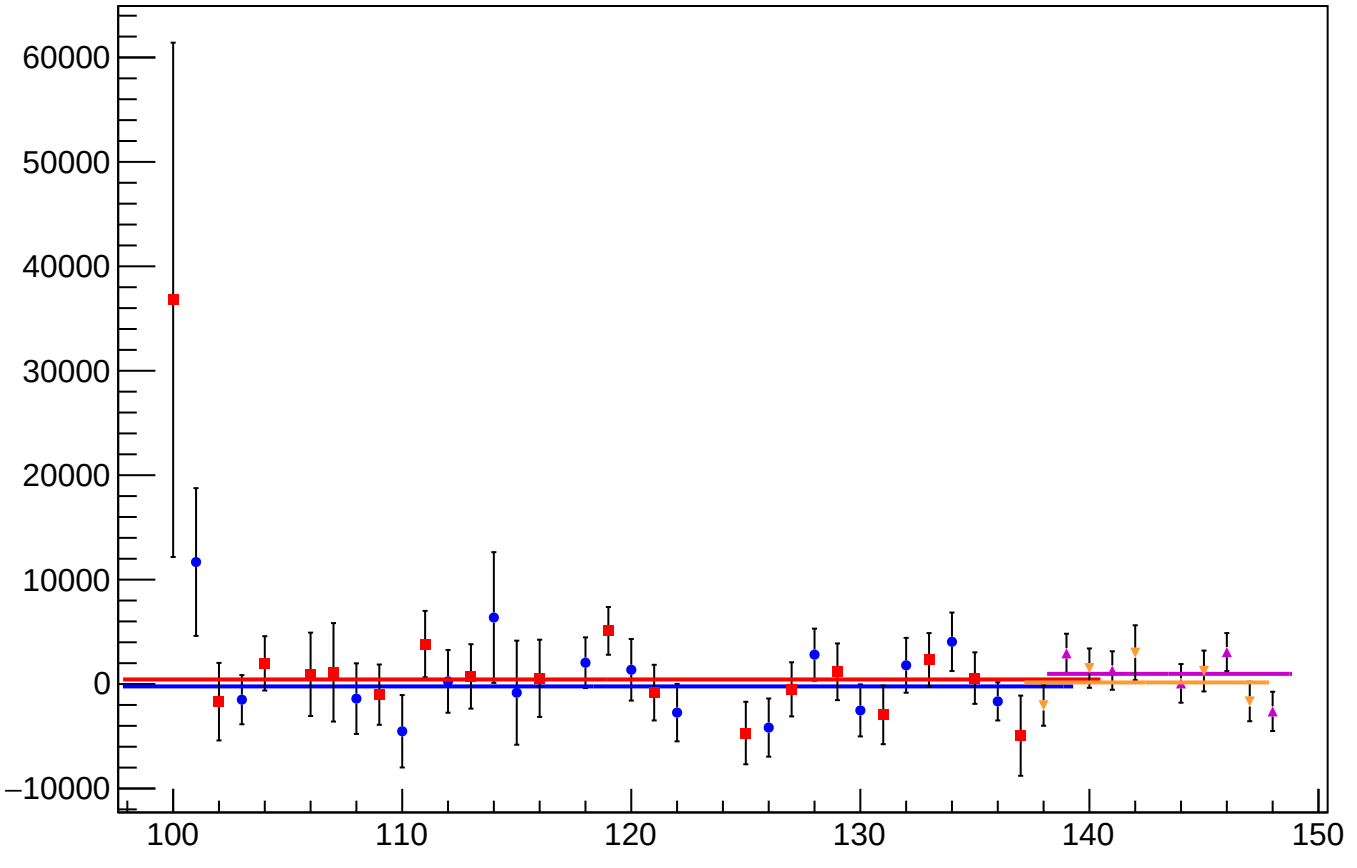
Left: 903.394+/-0.228 χ^2/NDF: 248020.7/9

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1117.053+/-0.245 χ^2/NDF:2264763.3/20

Out: 1120.732+/-0.257 χ^2/NDF:2491302.0/22

All: 1118.809+/-0.177 χ^2/NDF: 4756172.7/43



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 155.453+/-901.892 χ^2/NDF:4.2/4

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 978.061+/-828.959 χ^2/NDF:6.3/4

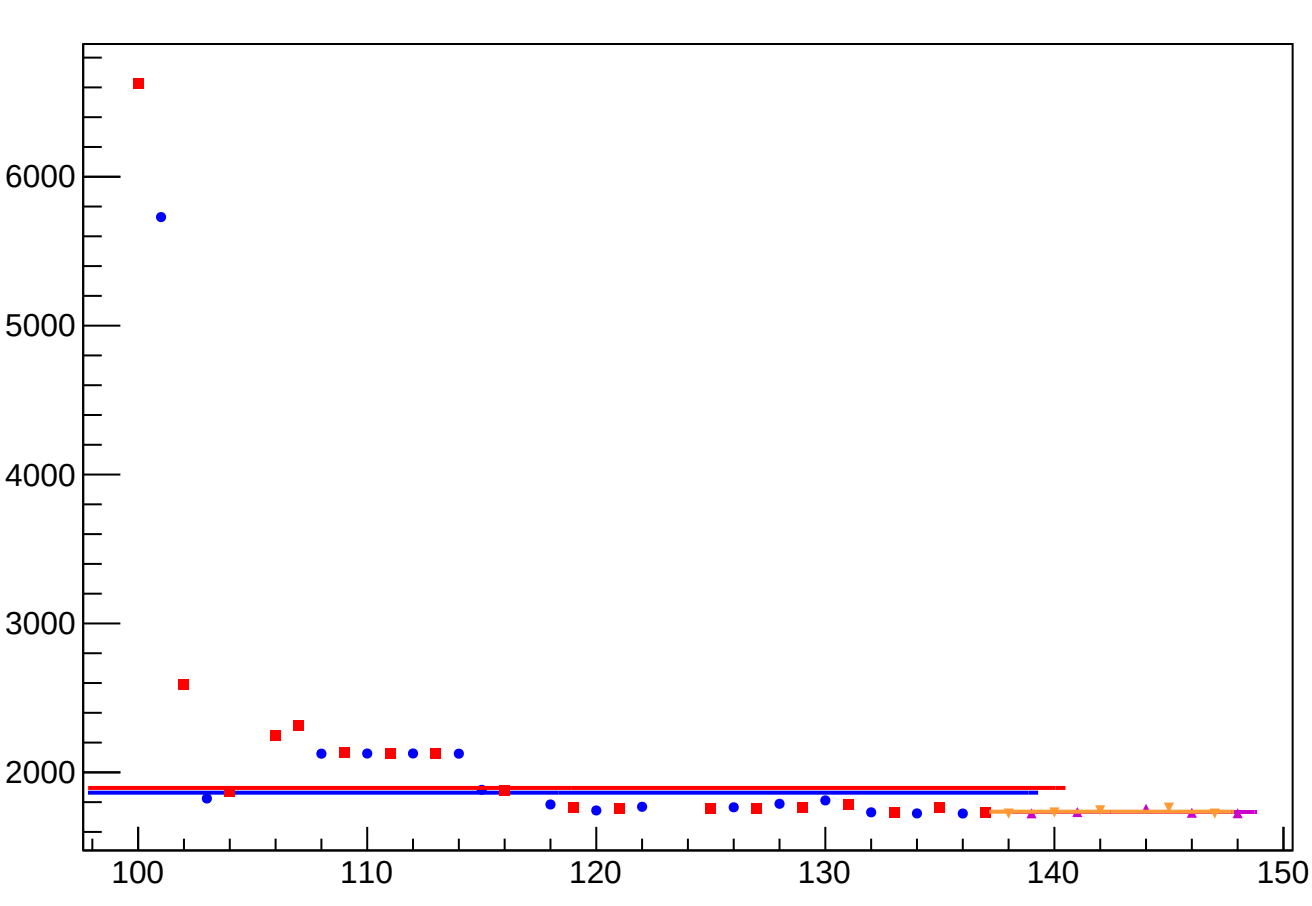
Left: 601.358+/-610.320 χ^2/NDF: 11.0/9

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 284.105+/-538.872 χ^2/NDF:23.4/20

Out: 332.401+/-559.373 χ^2/NDF:20.0/22

All: 307.352+/-388.085 χ^2/NDF: 43.4/43



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

Left: 1734.843+/-0.432 χ^2/NDF: 984.6/9

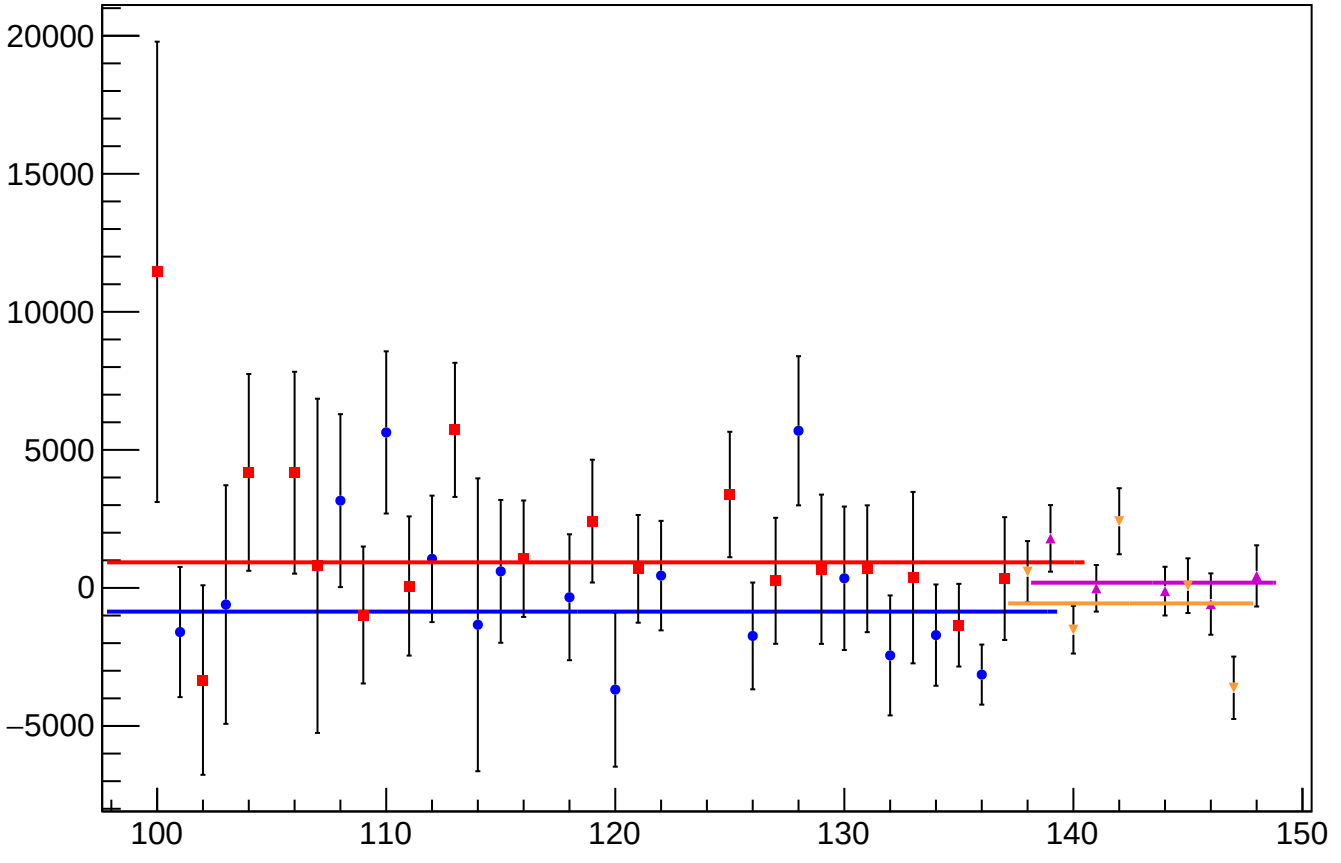
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1808.801+/-0.381 χ^2/NDF:703286.1/20

Out: 1834.102+/-0.396 χ^2/NDF:298304.4/22

All: 1820.979+/-0.274 χ^2/NDF: 1003712.8/43

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: -560.629+/-463.398 χ^2/NDF:16.2/4

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 189.580+/-447.154 χ^2/NDF:2.5/4

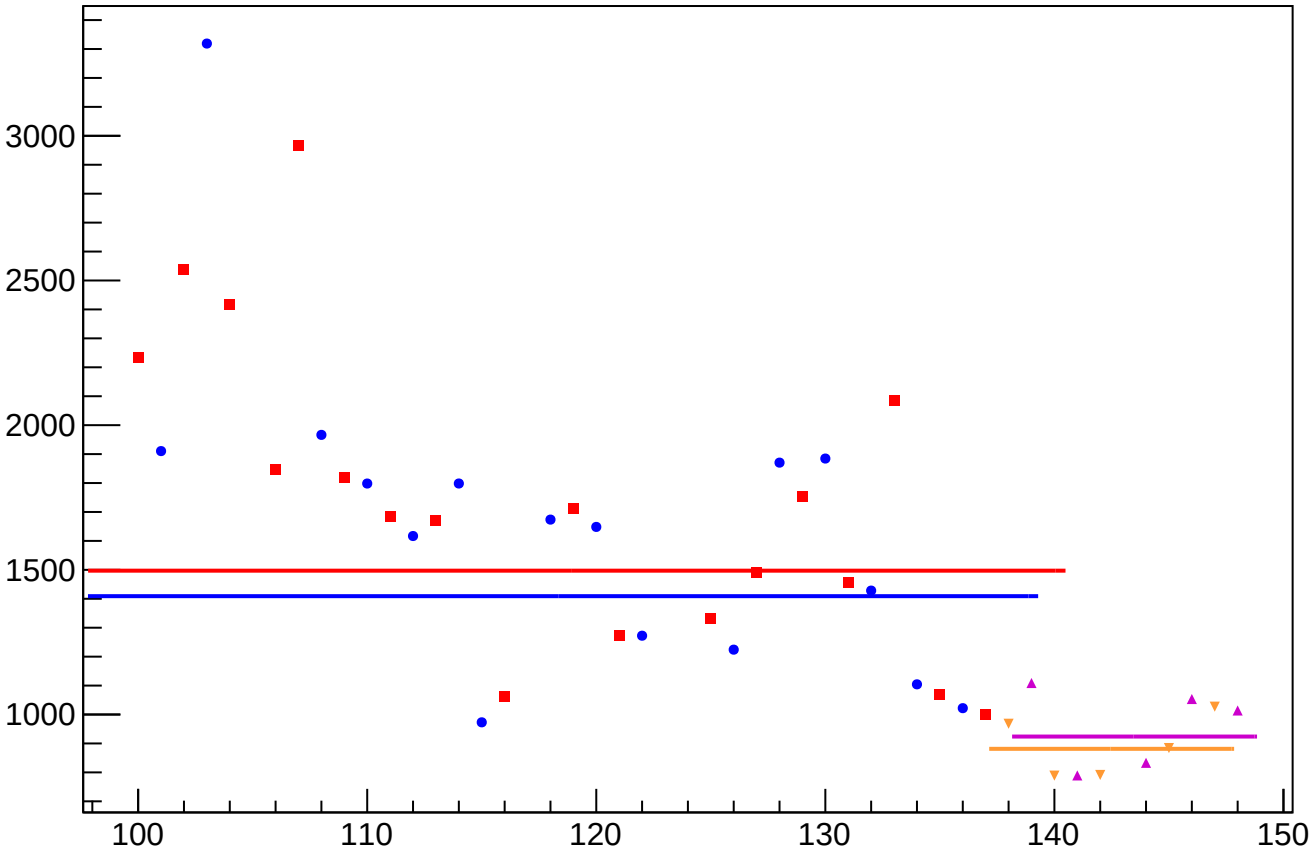
Left: -172.146+/-321.775 χ^2/NDF: 20.1/9

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -227.577+/-346.893 χ^2/NDF:25.3/20

Out: 13.139+/-363.216 χ^2/NDF:33.7/22

All: -112.749+/-250.863 χ^2/NDF: 59.2/43



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 881.412+/-0.328 χ^2/NDF:79868.4/4

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

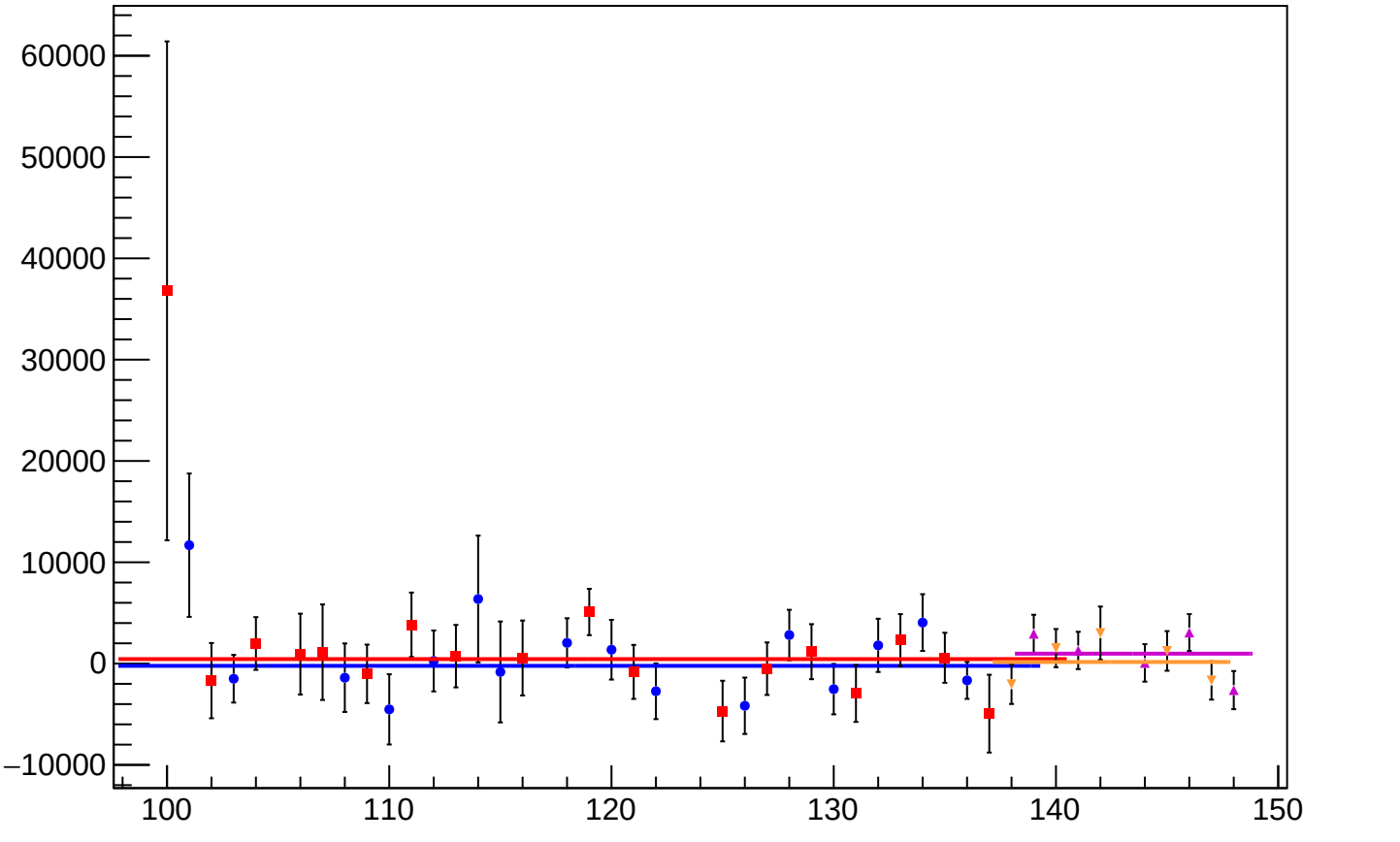
Left: 903.392+/-0.228 χ^2/NDF: 248004.7/9

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1117.033+/-0.245 χ^2/NDF:2263959.5/20

Out: 1118.867+/-0.257 χ^2/NDF:2459743.7/22

All: 1117.908+/-0.177 χ^2/NDF: 4723729.9/43



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 155.453+/-901.892 χ^2/NDF:4.2/4

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 978.061+/-828.959 χ^2/NDF:6.3/4

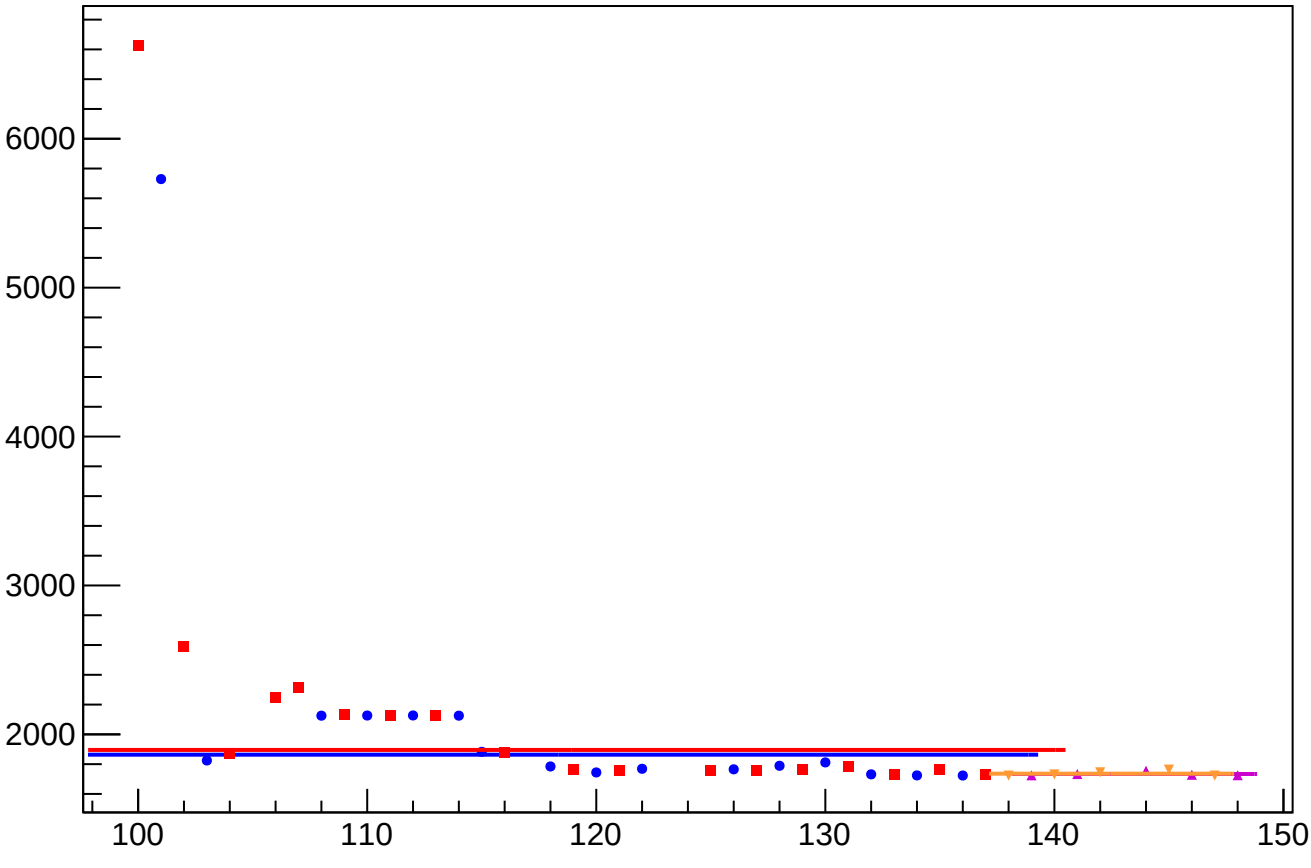
Left: 601.358+/-610.320 χ^2/NDF: 11.0/9

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 284.105+/-538.872 χ^2/NDF:23.4/20

Out: 332.401+/-559.373 χ^2/NDF:20.0/22

All: 307.352+/-388.085 χ^2/NDF: 43.4/43



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

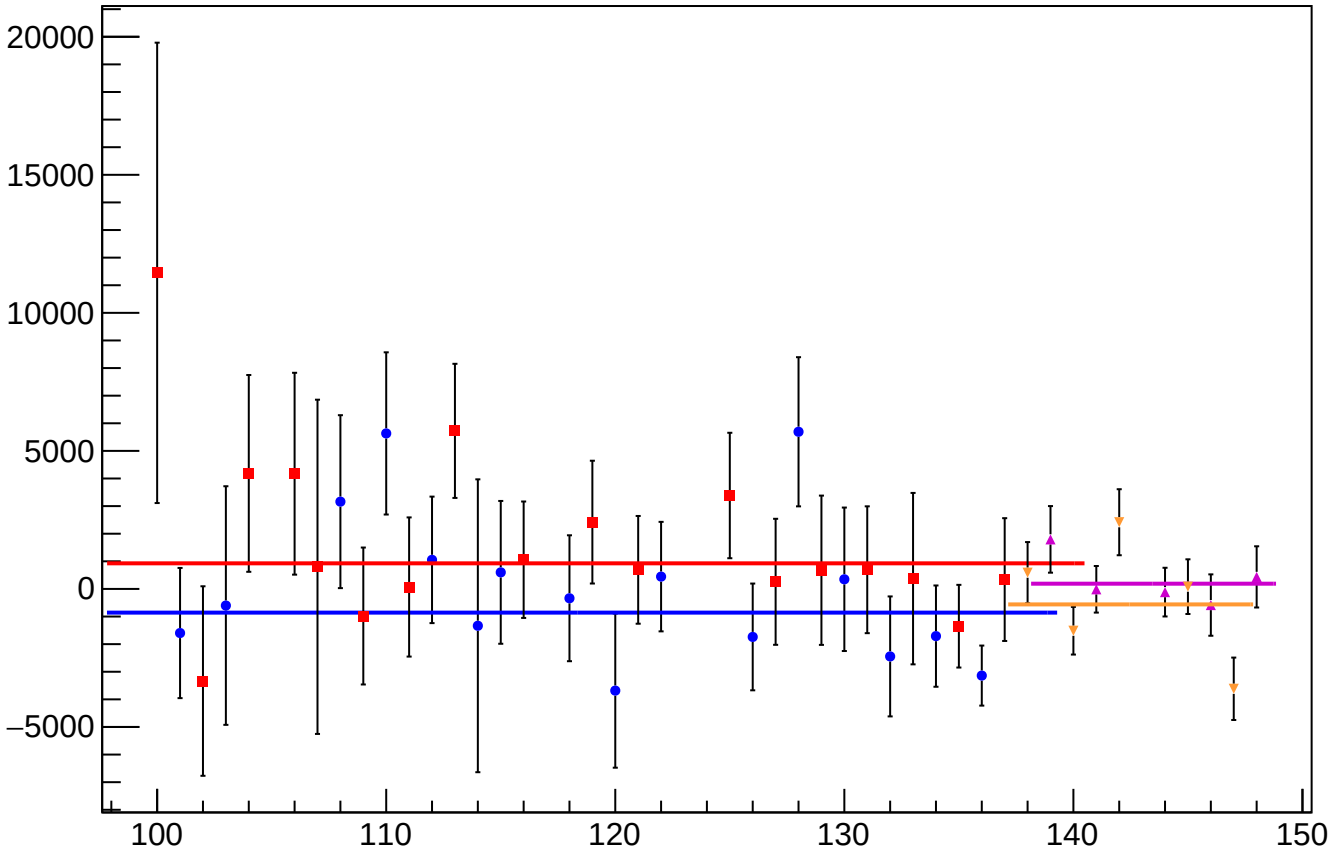
Left: 1734.843+/-0.432 χ^2/NDF: 984.6/9

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1808.801+/-0.381 χ^2/NDF:703286.1/20

Out: 1834.102+/-0.396 χ^2/NDF:298304.4/22

All: 1820.979+/-0.274 χ^2/NDF: 1003712.8/43



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -560.629+/-463.398 χ^2/NDF:16.2/4

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 189.580+/-447.154 χ^2/NDF:2.5/4

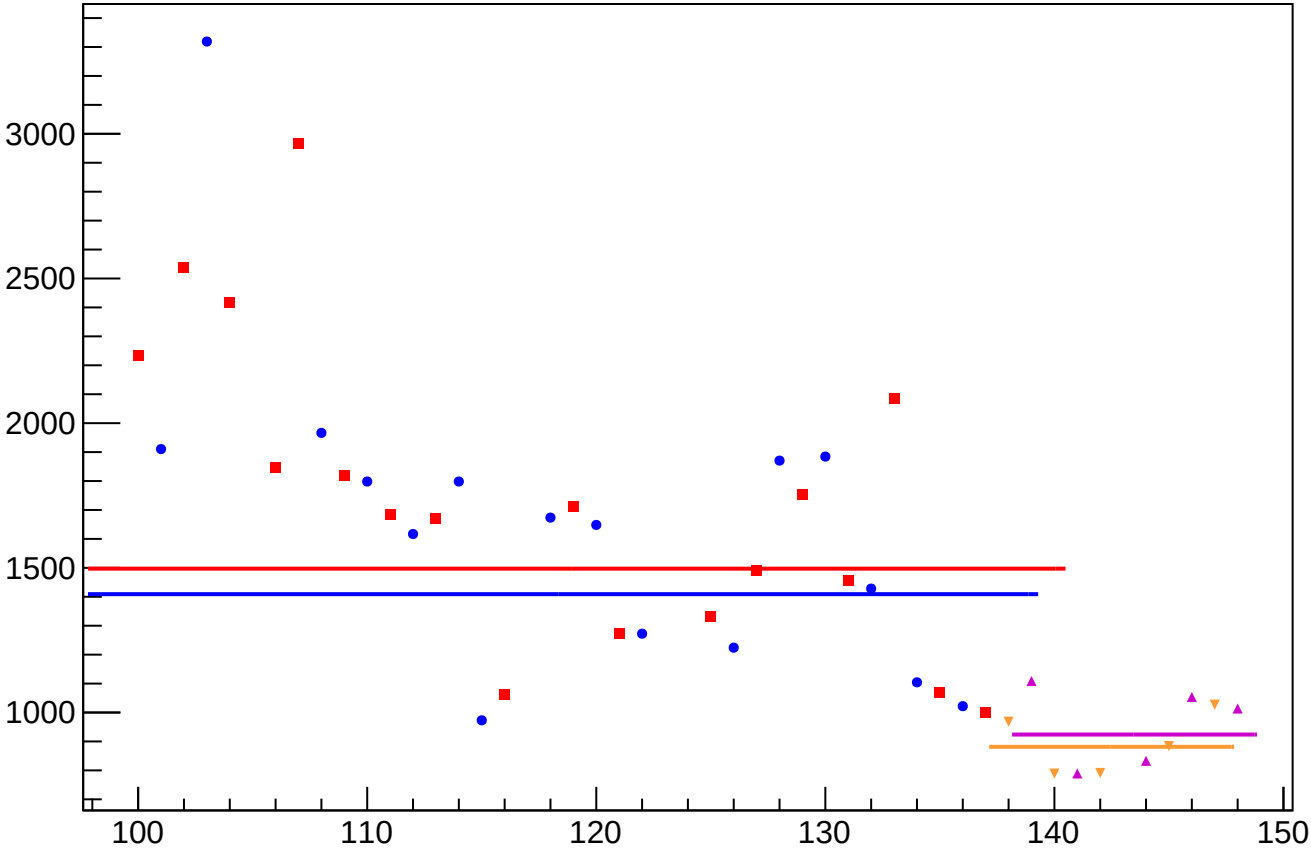
Left: -172.146+/-321.775 χ^2/NDF: 20.1/9

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -227.577+/-346.893 χ^2/NDF:25.3/20

Out: 13.139+/-363.216 χ^2/NDF:33.7/22

All: -112.749+/-250.863 χ^2/NDF: 59.2/43



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 881.412+/-0.328 χ^2/NDF:79868.4/4

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

Left: 903.392+/-0.228 χ^2/NDF: 248004.7/9

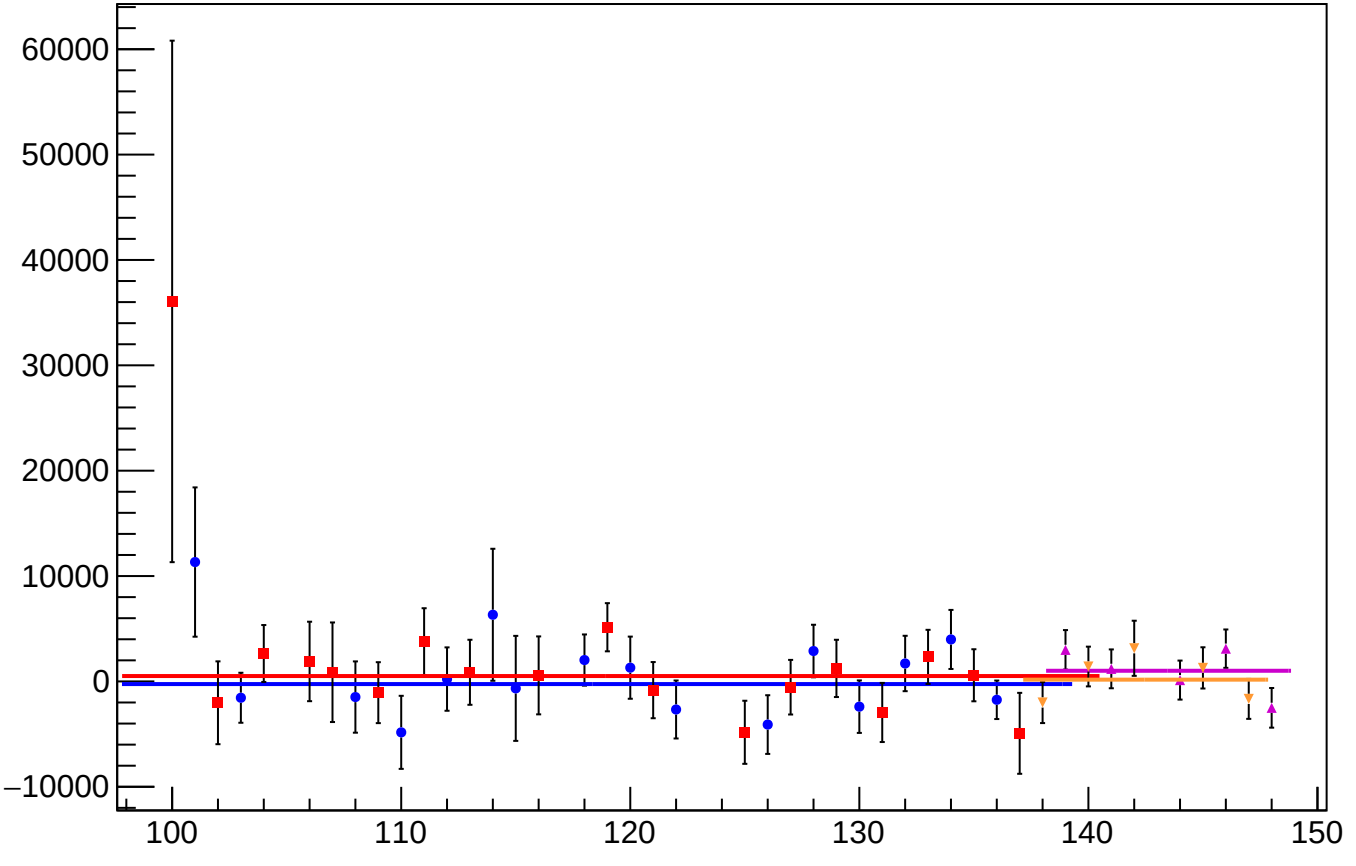
Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1117.033+/-0.245 χ^2/NDF:2263959.5/20

Out: 1118.867+/-0.257 χ^2/NDF:2459743.7/22

All: 1117.908+/-0.177 χ^2/NDF: 4723729.9/43

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 166.865+/-901.936 χ^2/NDF:4.2/4

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1010.706+/-829.364 χ^2/NDF:6.2/4

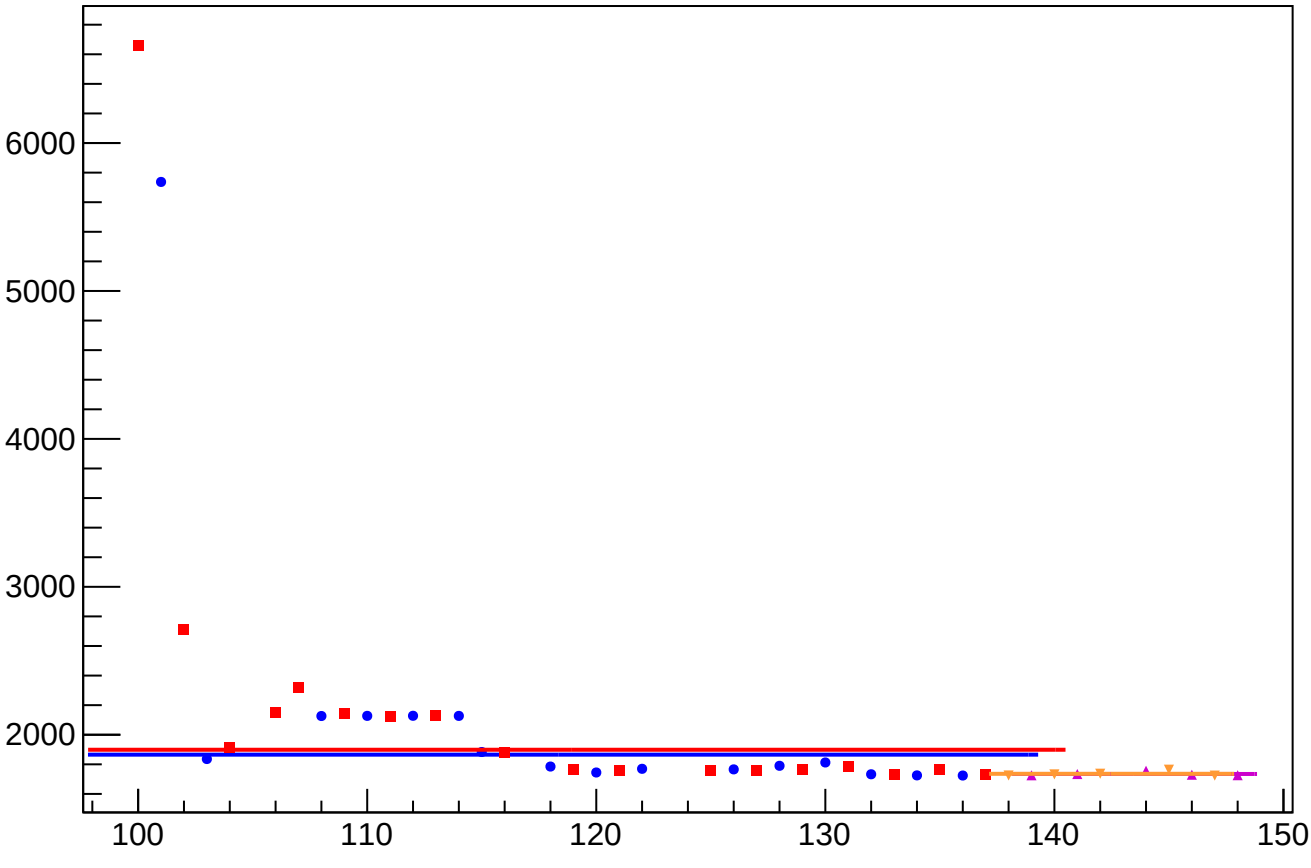
Left: 624.095+/-610.495 χ^2/NDF: 10.9/9

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 281.989+/-539.344 χ^2/NDF:23.2/20

Out: 377.551+/-560.513 χ^2/NDF:20.7/22

All: 327.931+/-388.642 χ^2/NDF: 43.9/43



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1735.860+/-0.638 χ^2/NDF:560.3/4

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

Left: 1735.283+/-0.432 χ^2/NDF: 940.2/9

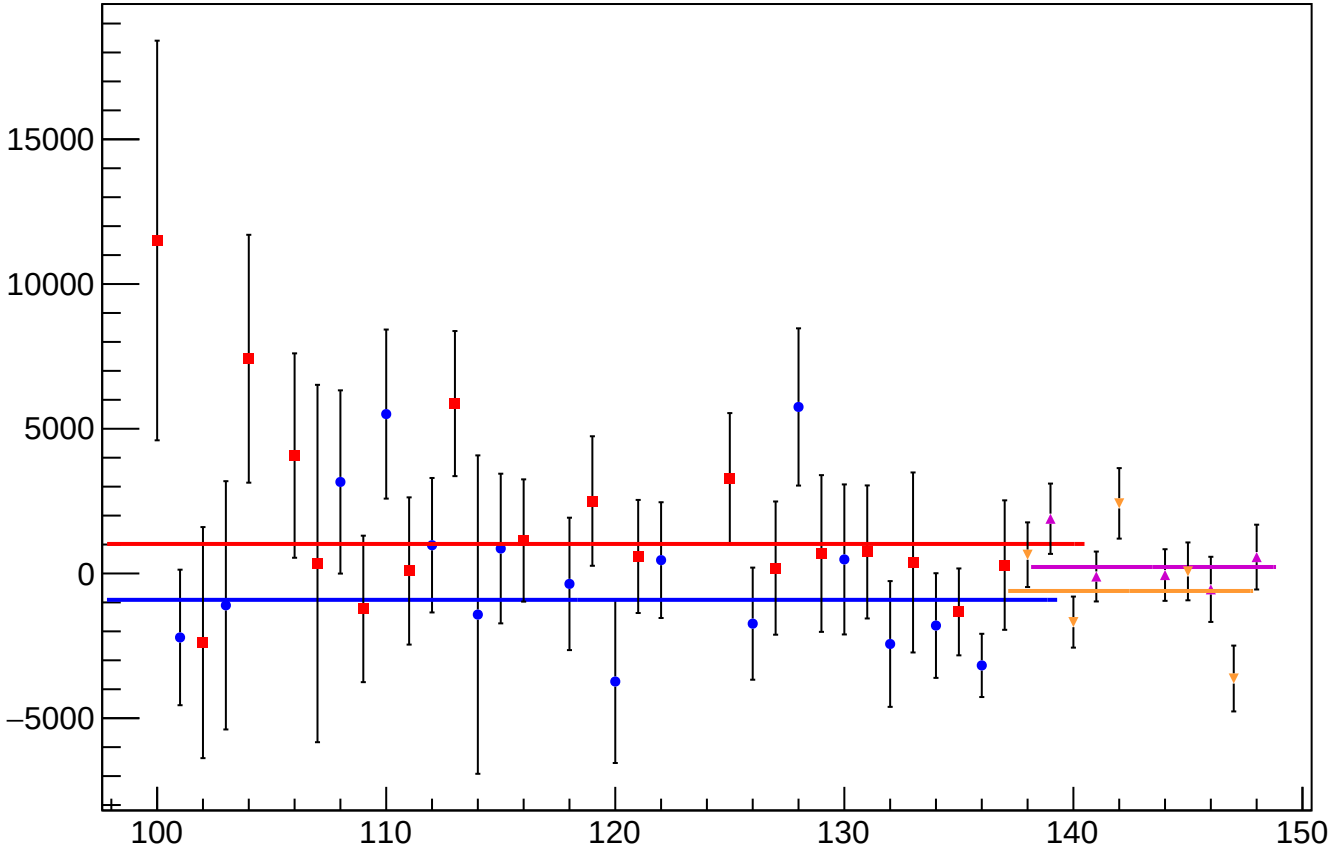
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1810.189+/-0.381 χ^2/NDF:704008.3/20

Out: 1835.751+/-0.396 χ^2/NDF:309637.5/22

All: 1822.478+/-0.275 χ^2/NDF: 1015805.5/43

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -604.491+/-469.659 χ^2/NDF:16.4/4

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 224.060+/-453.176 χ^2/NDF:2.7/4

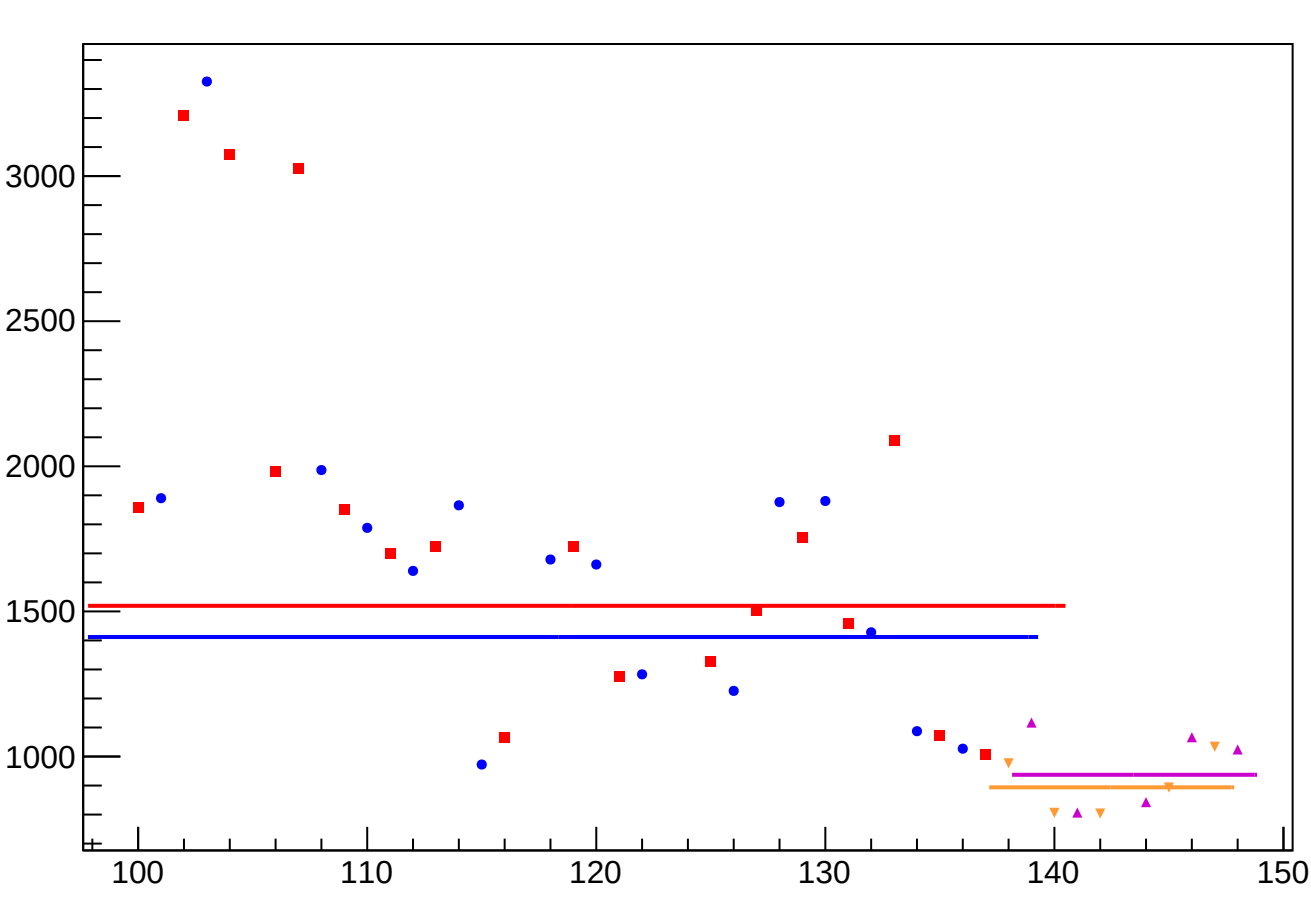
Left: -175.422+/-326.116 χ^2/NDF: 20.8/9

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -234.080+/-349.962 χ^2/NDF:26.2/20

Out: 23.577+/-367.838 χ^2/NDF:36.0/22

All: -111.664+/-253.545 χ^2/NDF: 62.5/43



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 893.858+/-0.332 χ^2/NDF:72043.7/4

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 937.096+/-0.320 χ^2/NDF:150439.8/4

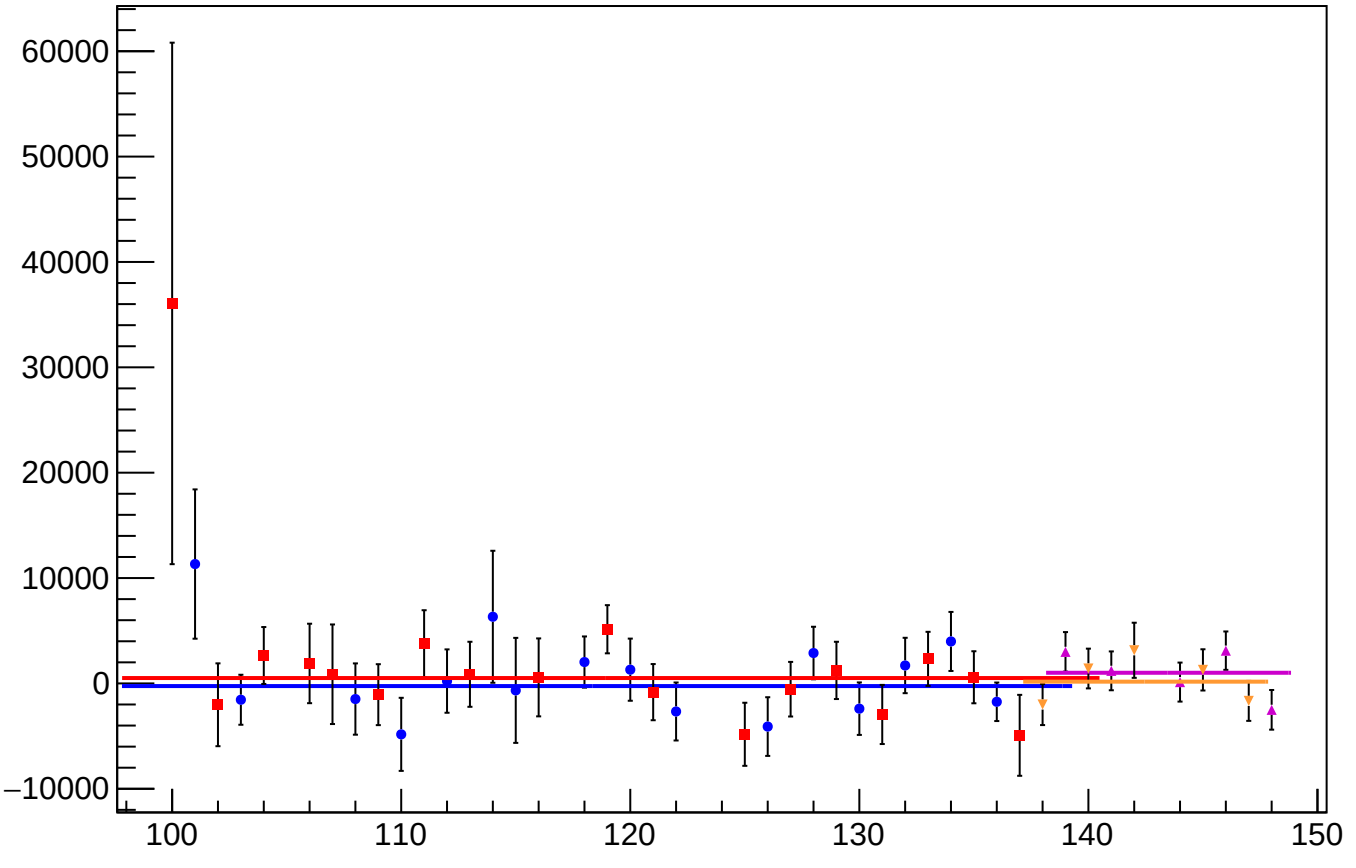
Left: 916.249+/-0.231 χ^2/NDF: 231261.4/9

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1128.686+/-0.247 χ^2/NDF:2213796.3/20

Out: 1135.653+/-0.260 χ^2/NDF:2803390.6/22

All: 1131.996+/-0.179 χ^2/NDF: 5017563.6/43



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 166.863+/-901.936 χ^2/NDF:4.2/4

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1010.708+/-829.364 χ^2/NDF:6.2/4

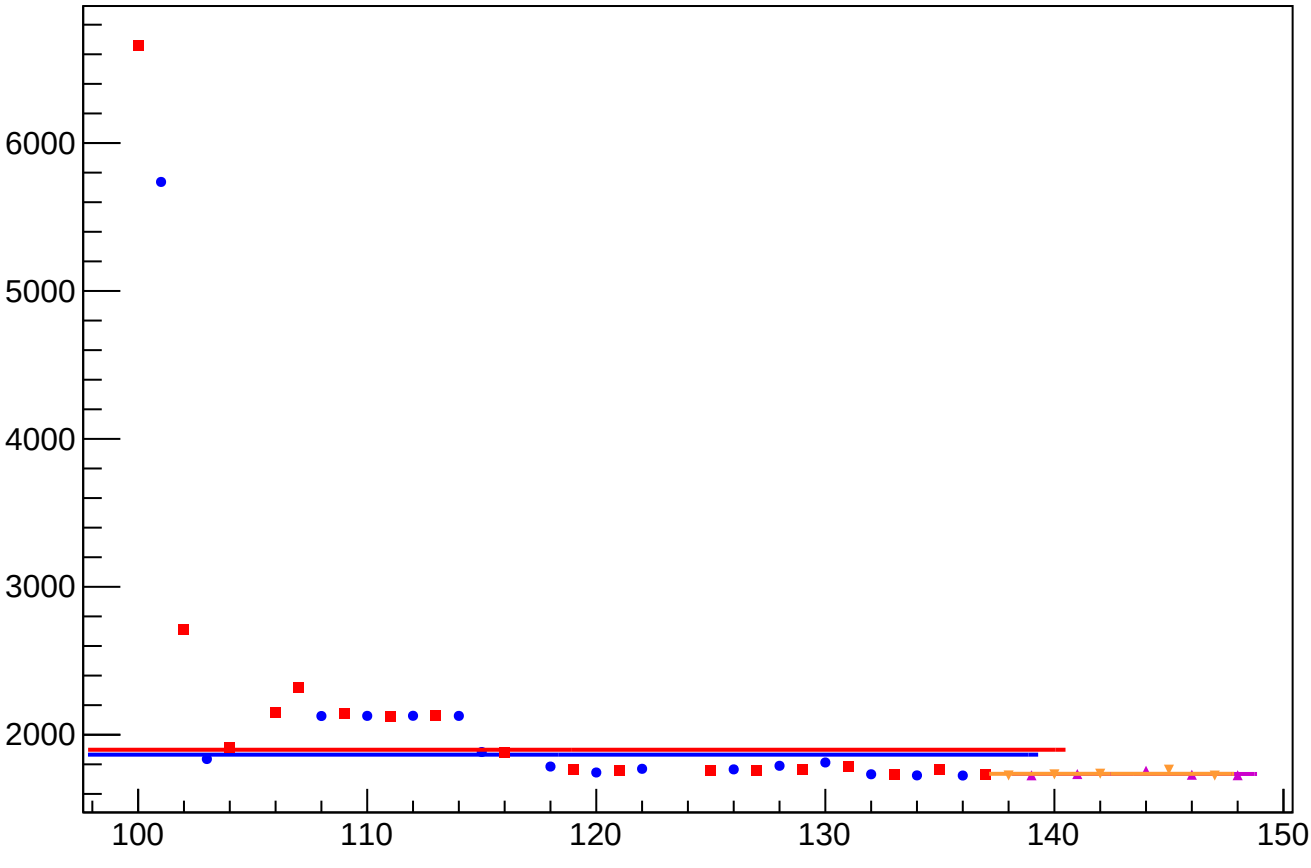
Left: 624.096+/-610.495 χ^2/NDF: 10.9/9

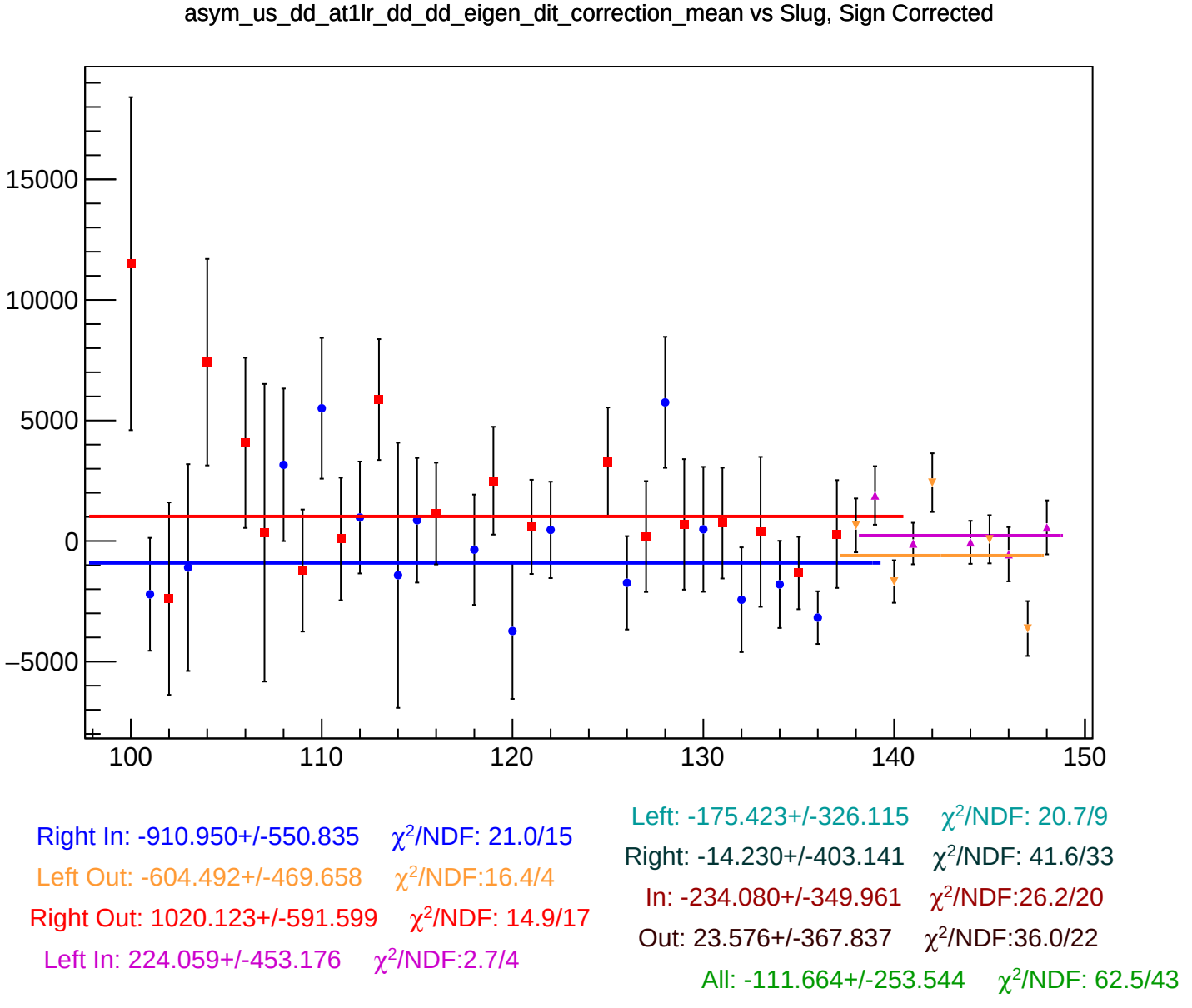
Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

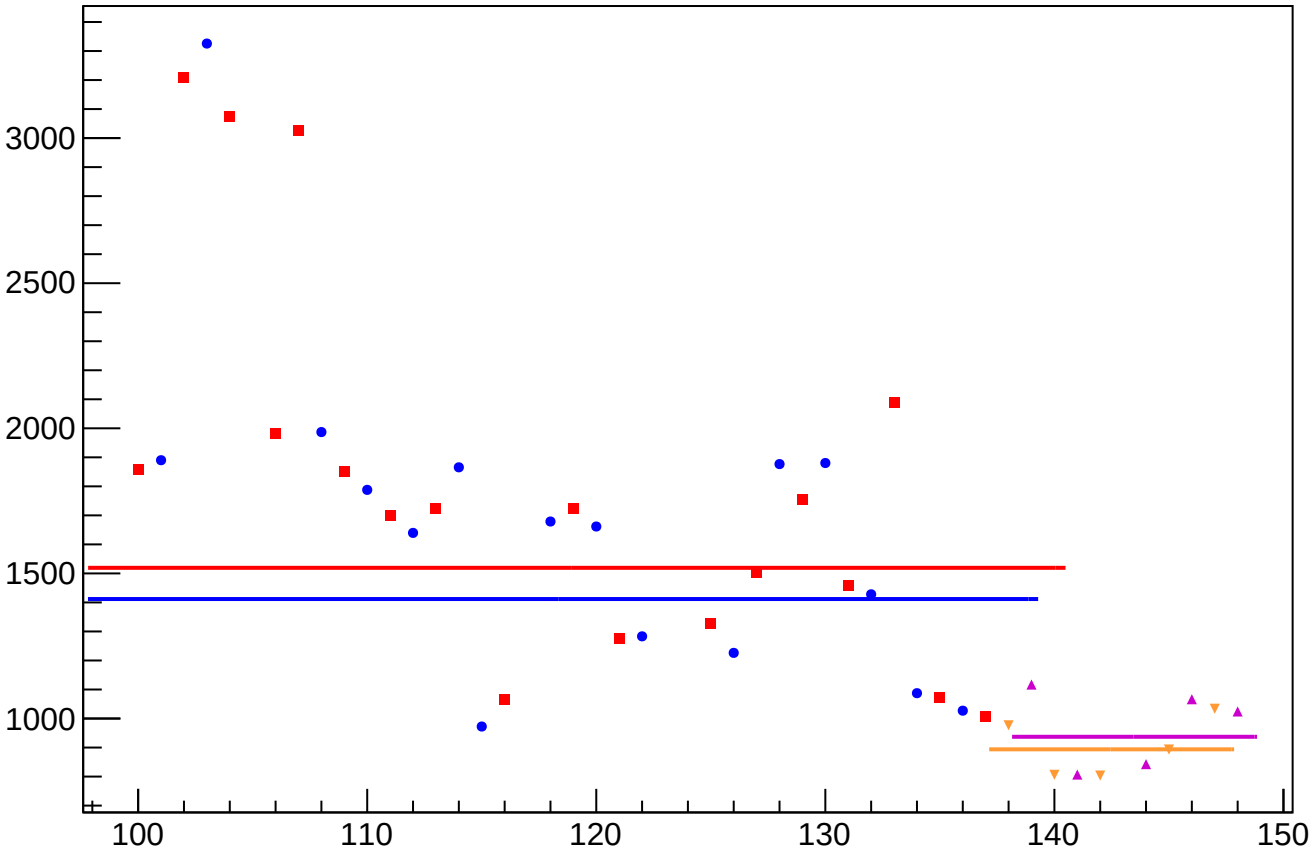
In: 281.990+/-539.344 χ^2/NDF:23.2/20

Out: 377.550+/-560.513 χ^2/NDF:20.7/22

All: 327.932+/-388.642 χ^2/NDF: 43.9/43


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1735.860+/-0.638 χ²/NDF:560.3/4
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1734.794+/-0.586 χ²/NDF:378.4/4
Left: 1735.283+/-0.432 χ²/NDF: 940.2/9
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1810.189+/-0.381 χ²/NDF:704008.3/20
Out: 1835.751+/-0.396 χ²/NDF:309637.3/22
All: 1822.478+/-0.275 χ²/NDF: 1015805.2/43


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -604.492+/-469.658 χ²/NDF:16.4/4
Right Out: 1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: 224.059+/-453.176 χ²/NDF:2.7/4
Left: -175.423+/-326.115 χ²/NDF: 20.7/9
Right: -14.230+/-403.141 χ²/NDF: 41.6/33
In: -234.080+/-349.961 χ²/NDF:26.2/20
Out: 23.576+/-367.837 χ²/NDF:36.0/22
All: -111.664+/-253.544 χ²/NDF: 62.5/43



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 893.857+/-0.332 χ^2/NDF:72046.3/4

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 937.095+/-0.320 χ^2/NDF:150443.9/4

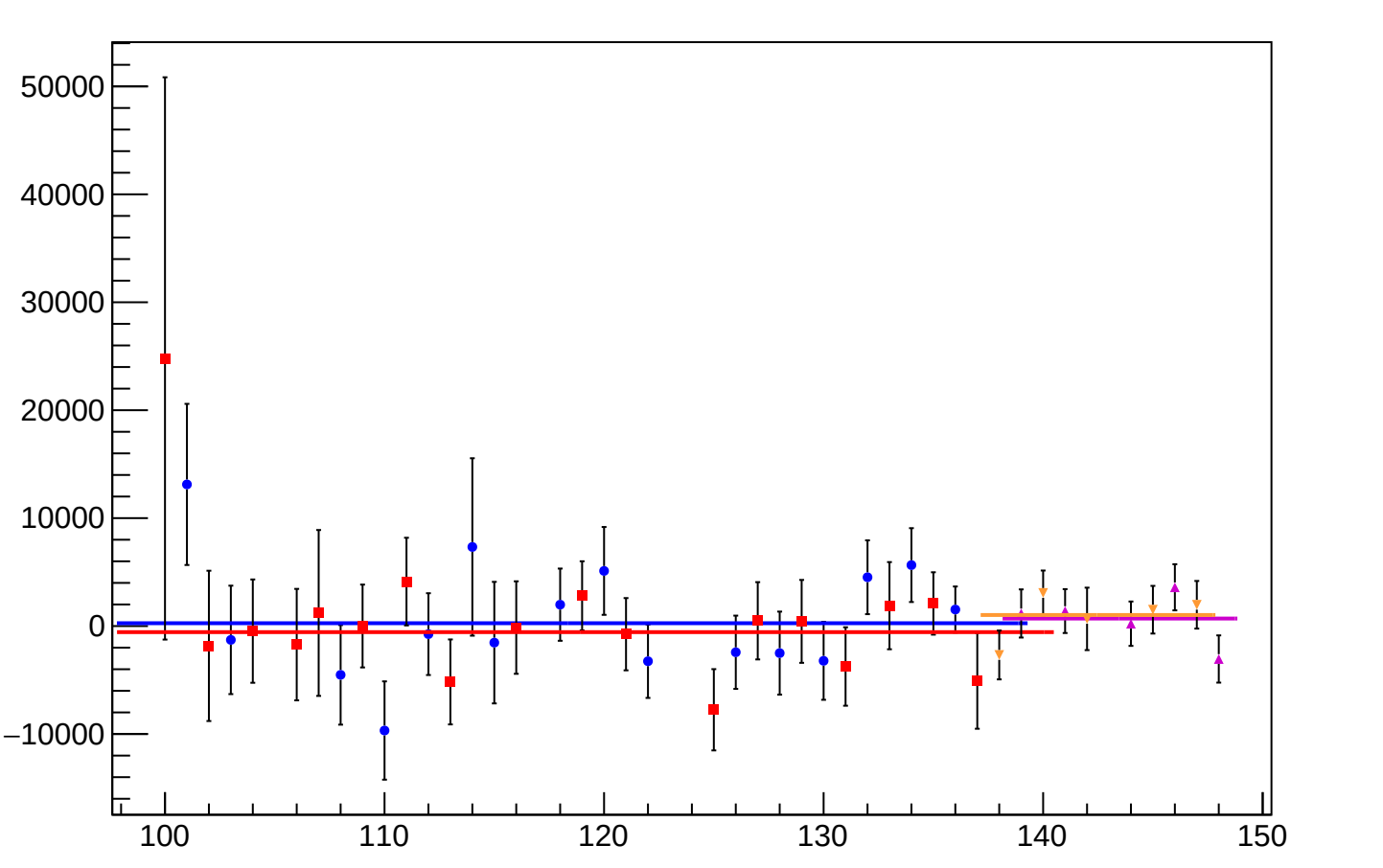
Left: 916.248+/-0.231 χ^2/NDF: 231268.5/9

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1128.684+/-0.247 χ^2/NDF:2213794.6/20

Out: 1135.651+/-0.260 χ^2/NDF:2803398.6/22

All: 1131.994+/-0.179 χ^2/NDF: 5017569.7/43



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1026.042+/-1022.599 χ^2/NDF:3.9/4

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 697.752+/-950.249 χ^2/NDF:5.0/4

Left: 849.874+/-696.101 χ^2/NDF: 8.9/9

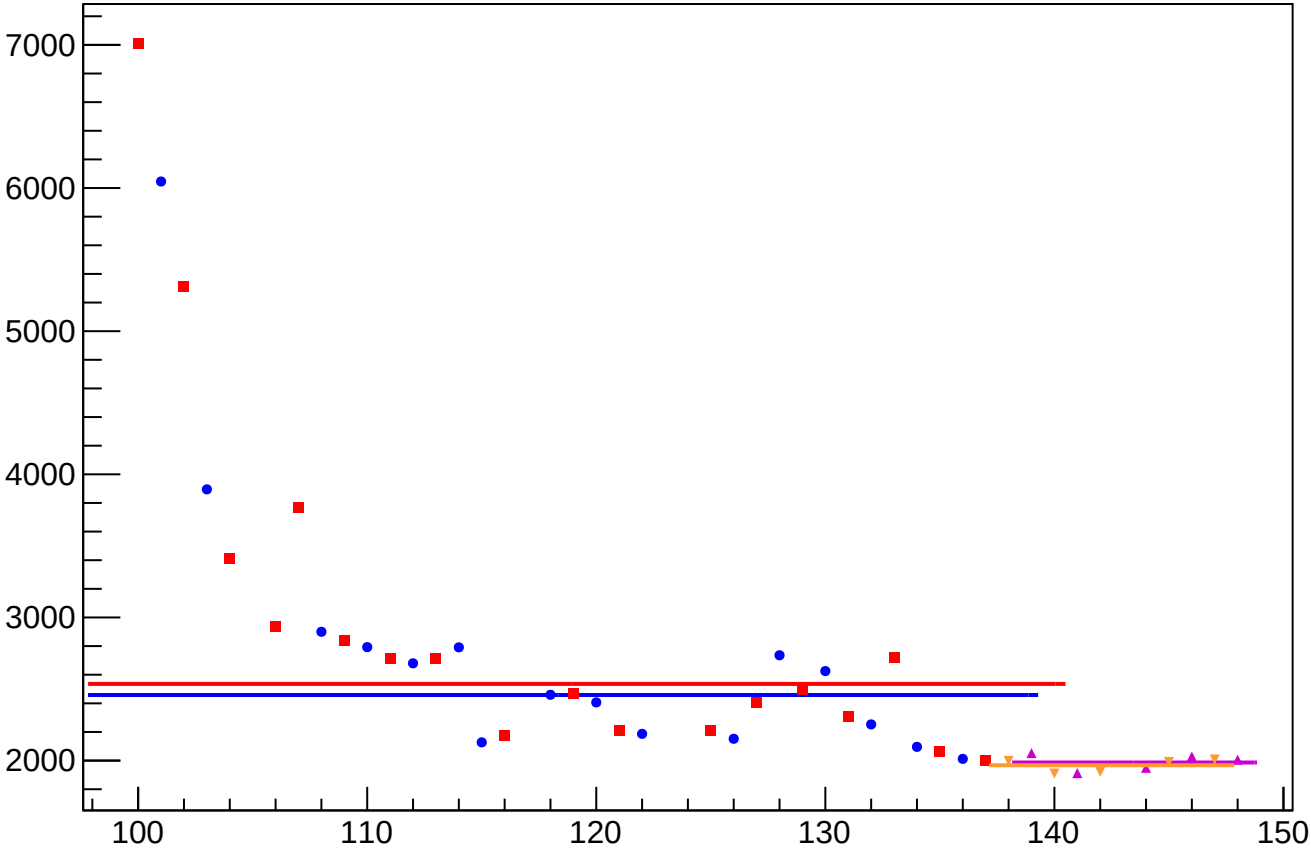
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 479.173+/-668.985 χ^2/NDF:24.1/20

Out: 184.901+/-701.045 χ^2/NDF:16.9/22

All: 338.920+/-483.981 χ^2/NDF: 41.1/43

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: 1967.403+/-0.723 χ^2/NDF:3316.8/4

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1986.726+/-0.672 χ^2/NDF:5965.5/4

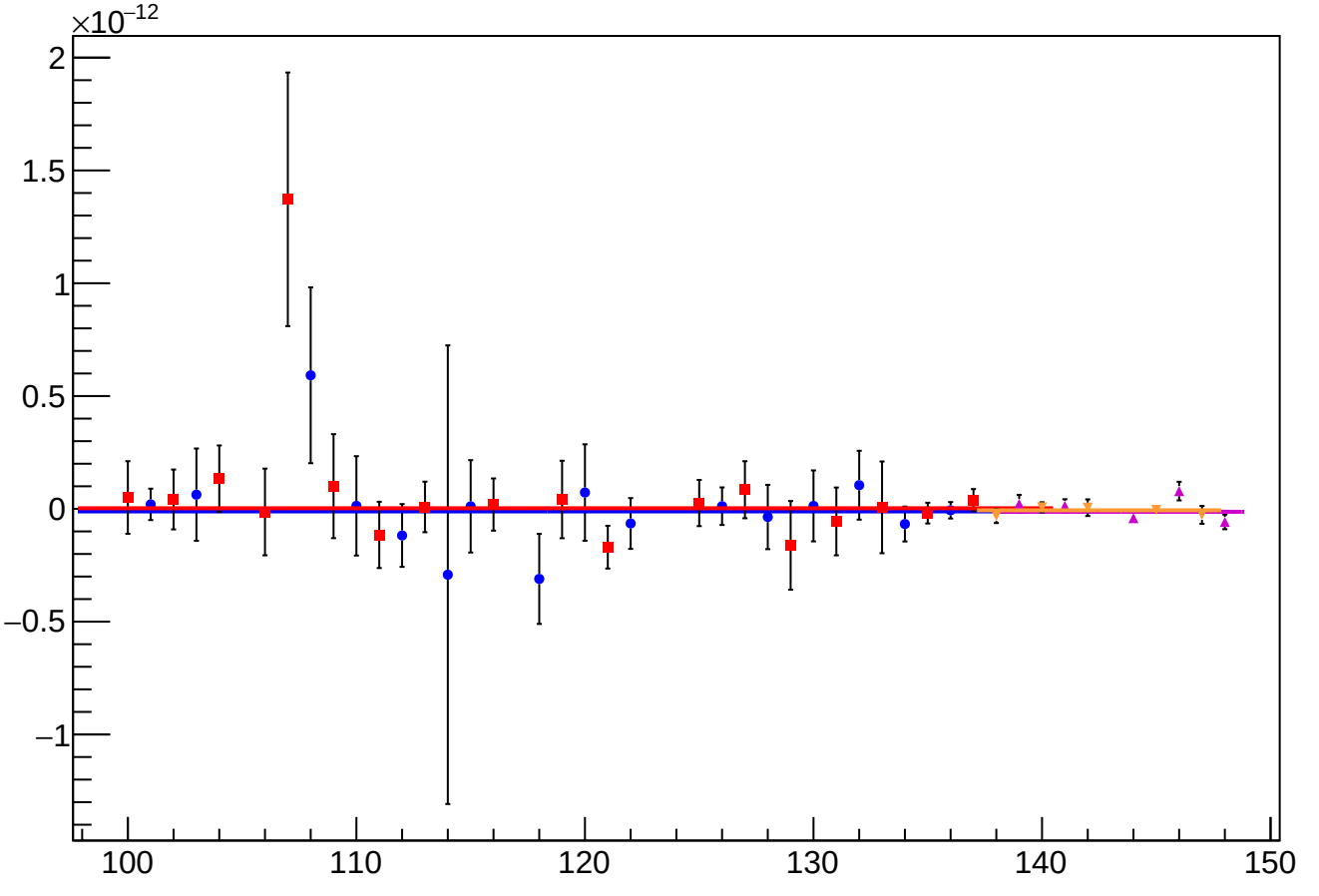
Left: 1977.772+/-0.492 χ^2/NDF: 9665.5/9

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2224.590+/-0.473 χ^2/NDF:1087317.9/20

Out: 2268.656+/-0.496 χ^2/NDF:1004135.7/22

All: 2245.592+/-0.342 χ^2/NDF: 2095589.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/4

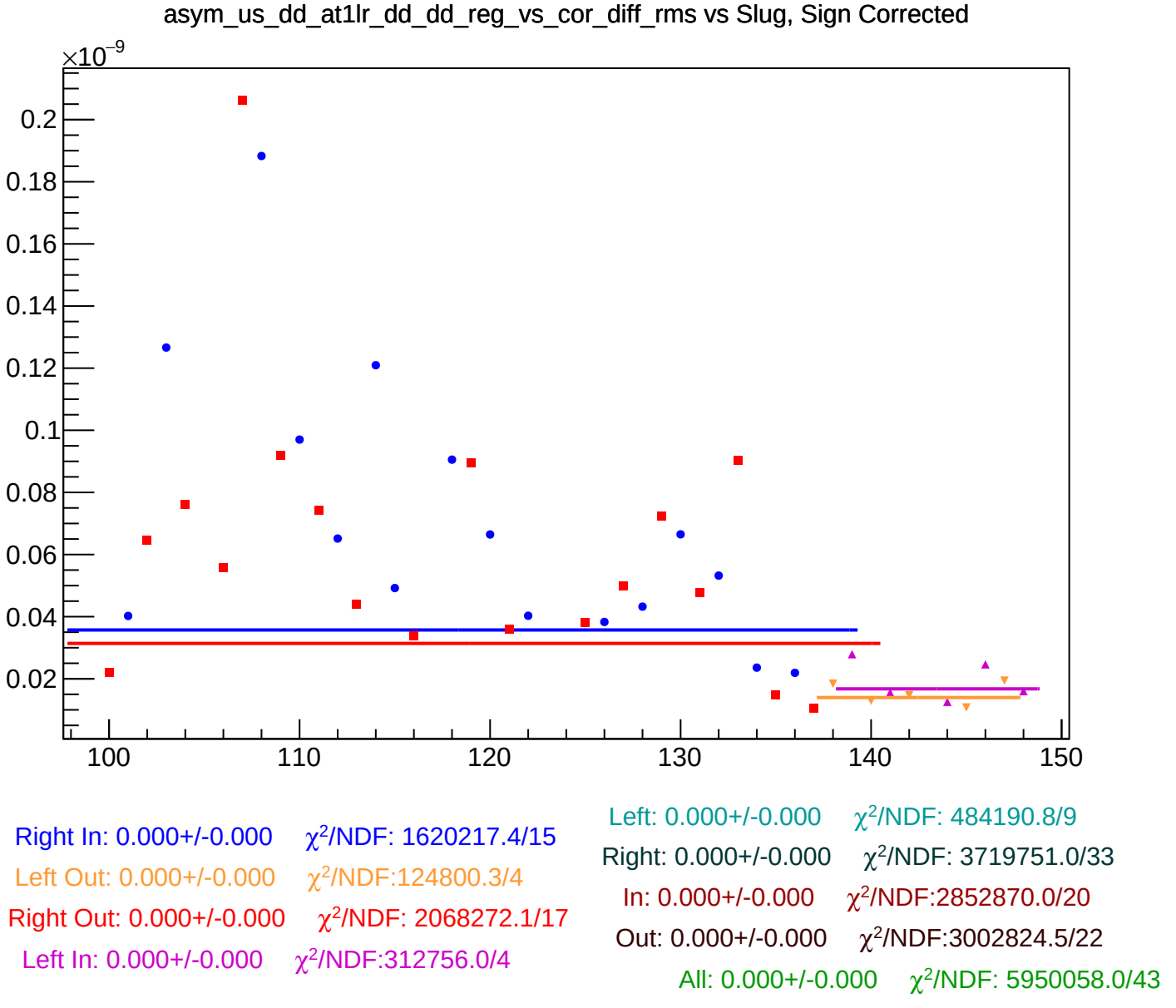
Left: -0.000+/-0.000 χ^2/NDF: 11.7/9

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

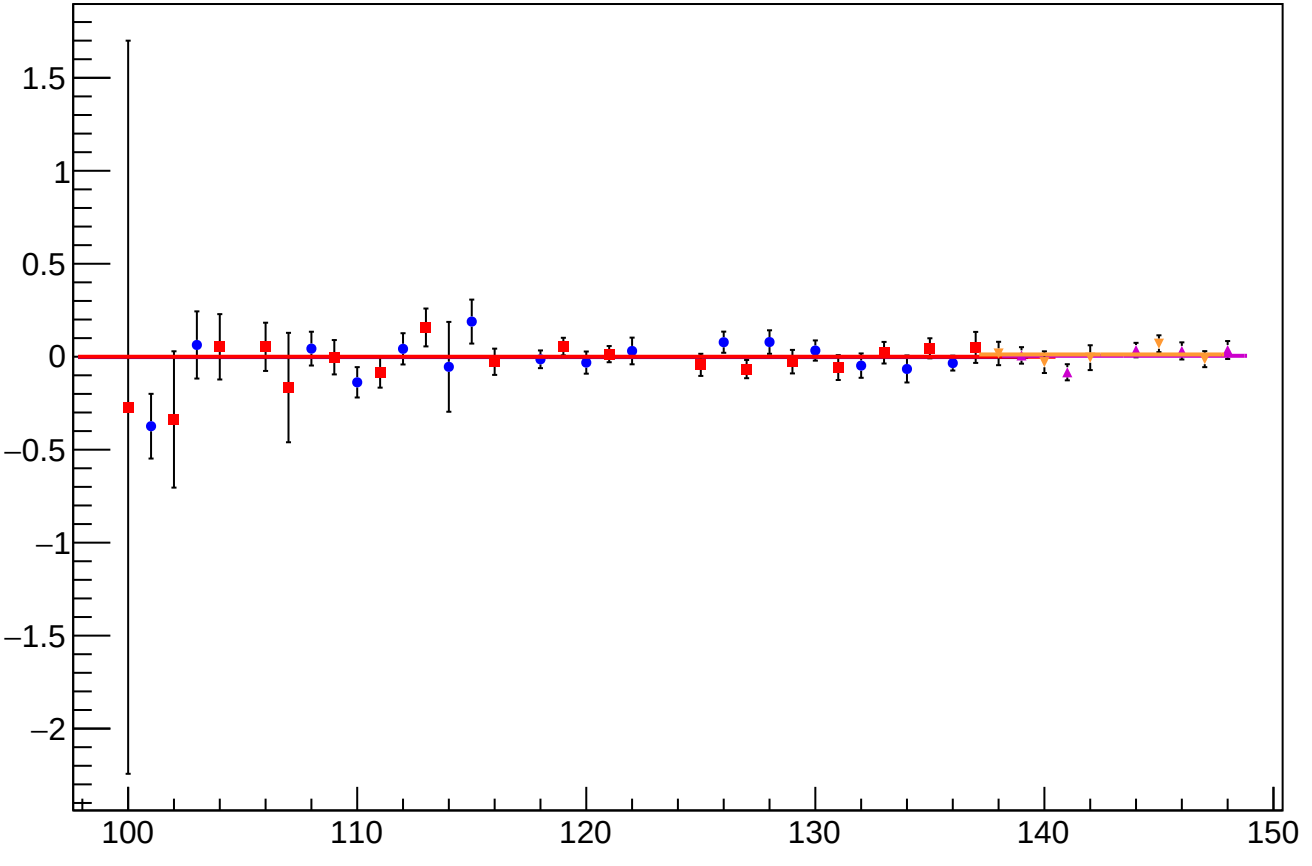
In: -0.000+/-0.000 χ^2/NDF:17.5/20

Out: -0.000+/-0.000 χ^2/NDF:14.7/22

All: -0.000+/-0.000 χ^2/NDF: 32.4/43


asym_us_dd_at1lr_dd_dd_reg_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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:124800.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:312756.0/4
Left: 0.000+/-0.000 χ²/NDF: 484190.8/9
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:2852870.0/20
Out: 0.000+/-0.000 χ²/NDF:3002824.5/22
All: 0.000+/-0.000 χ²/NDF: 5950058.0/43

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.020 χ^2/NDF:5.5/4

Left: 0.008+/-0.015 χ^2/NDF: 8.2/9

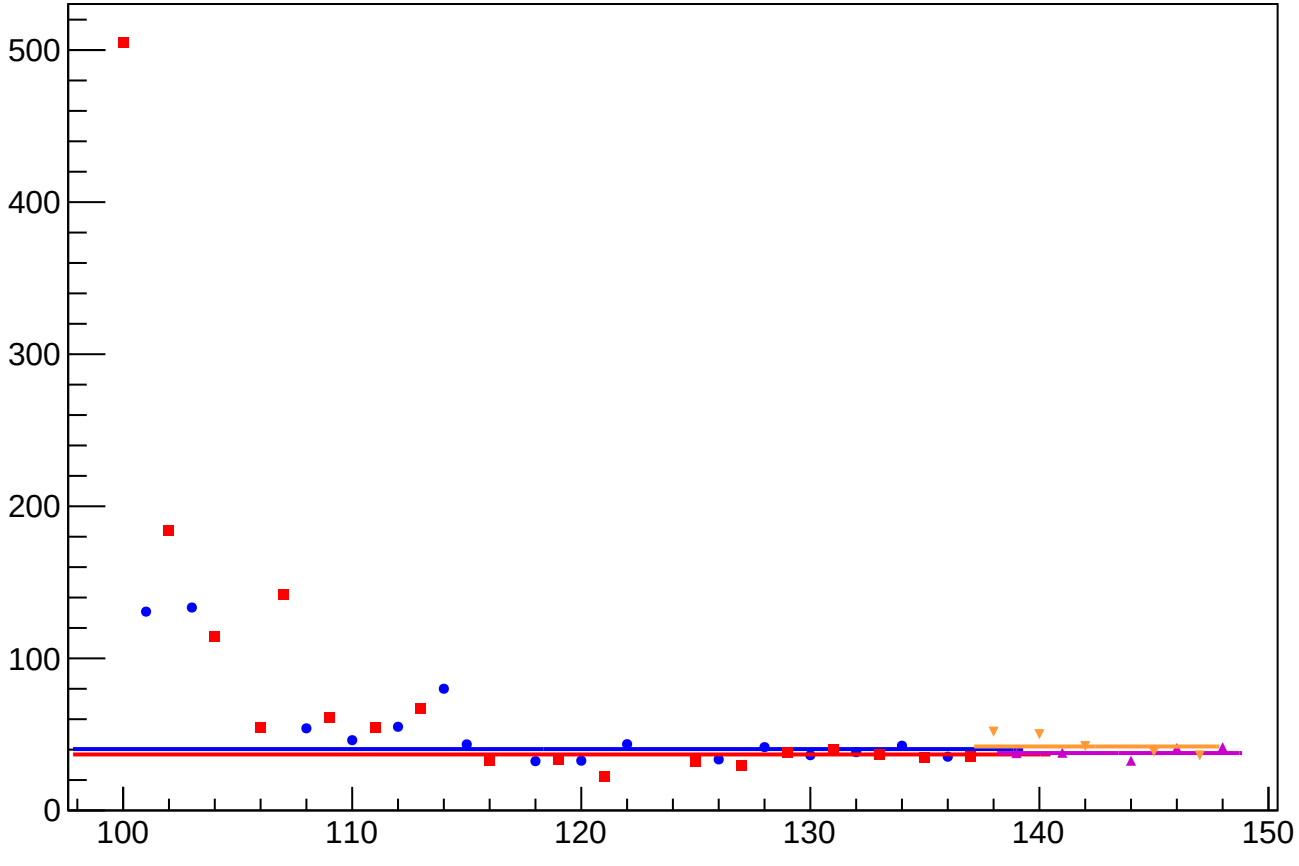
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.002+/-0.009 χ^2/NDF: 36.4/43

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 42.060+/-0.017 χ^2/NDF:135668.9/4

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

Left: 39.512+/-0.011 χ^2/NDF: 231488.1/9

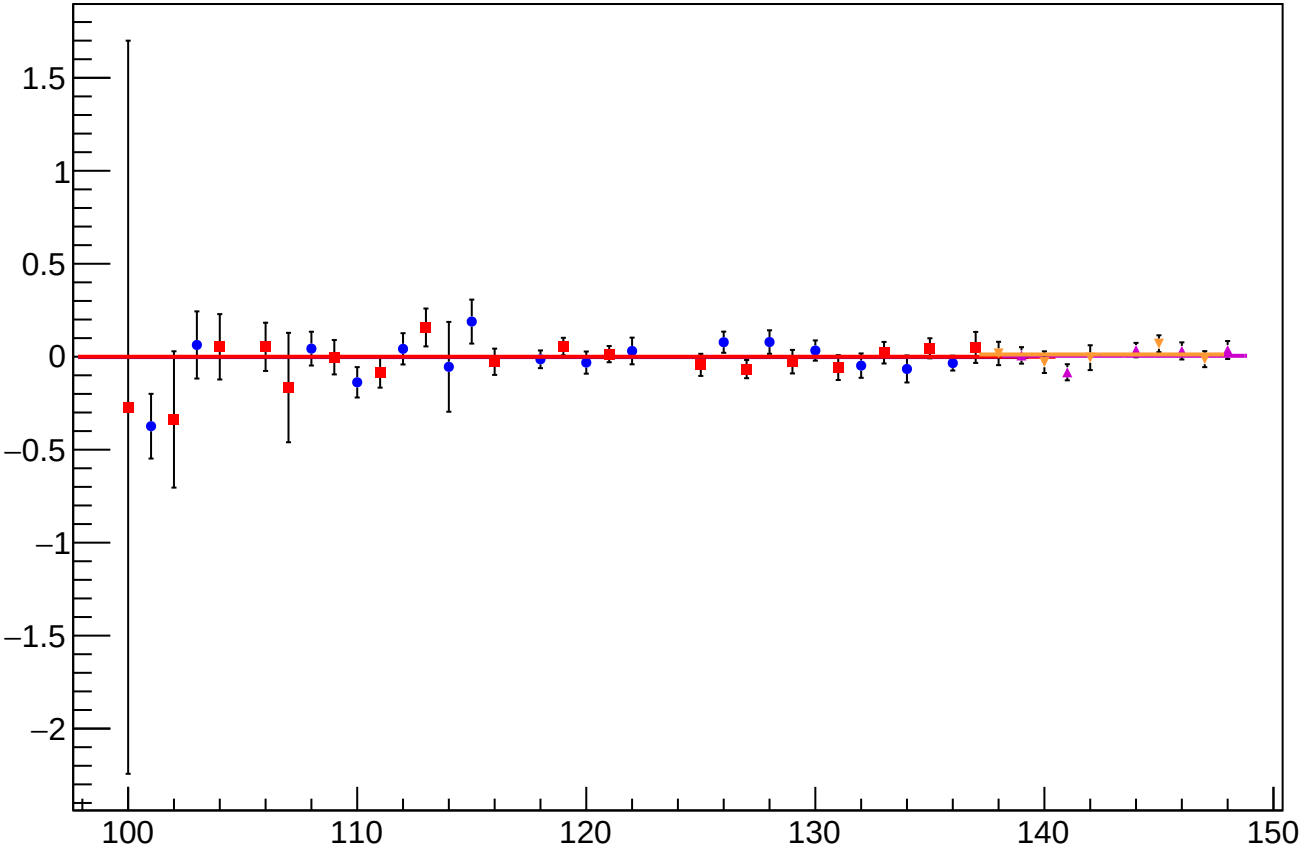
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.228+/-0.009 χ^2/NDF:1486439.7/20

Out: 38.570+/-0.010 χ^2/NDF:2038586.2/22

All: 38.917+/-0.007 χ^2/NDF: 3527490.8/43

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.020 χ^2/NDF:5.5/4

Left: 0.008+/-0.015 χ^2/NDF: 8.2/9

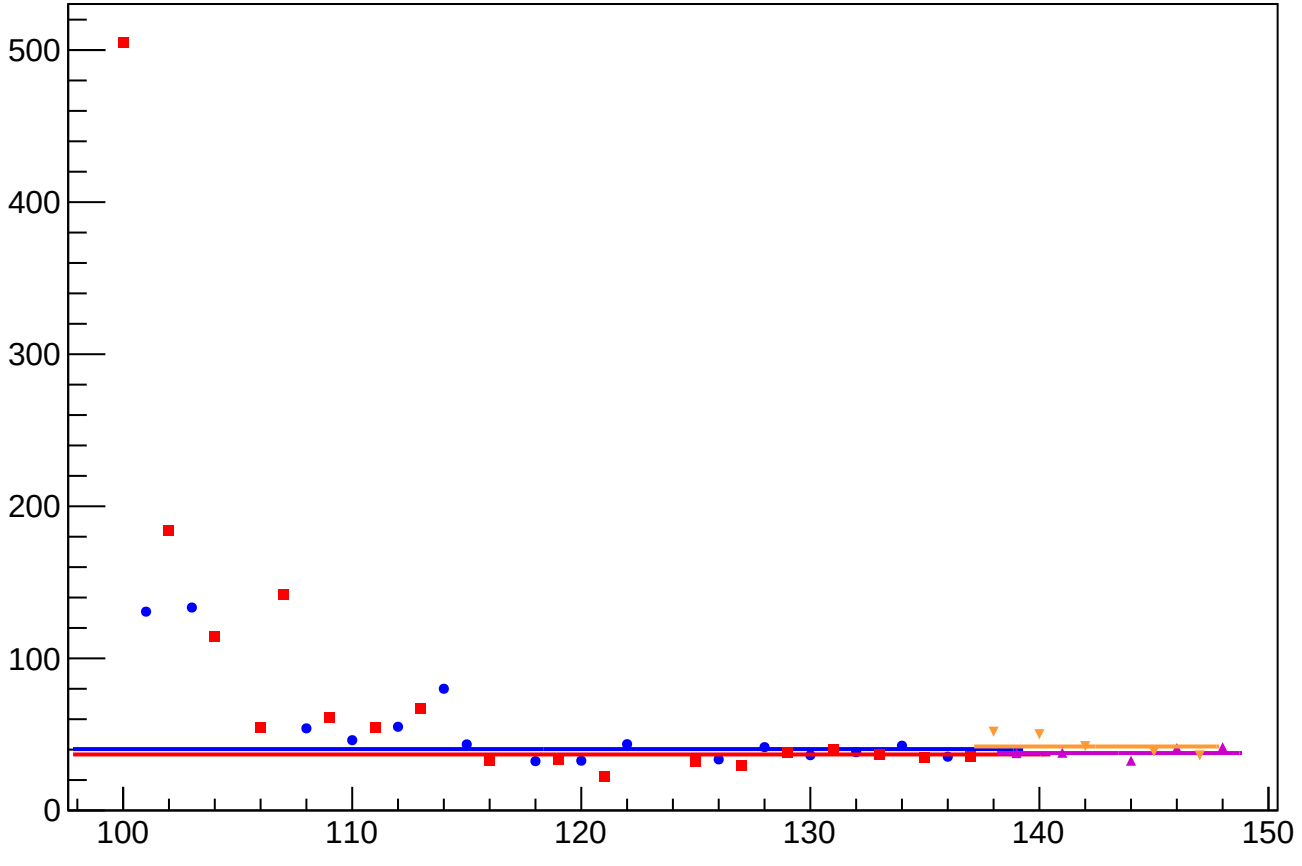
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.002+/-0.009 χ^2/NDF: 36.4/43

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: 42.060+/-0.017 χ^2/NDF:135668.9/4

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

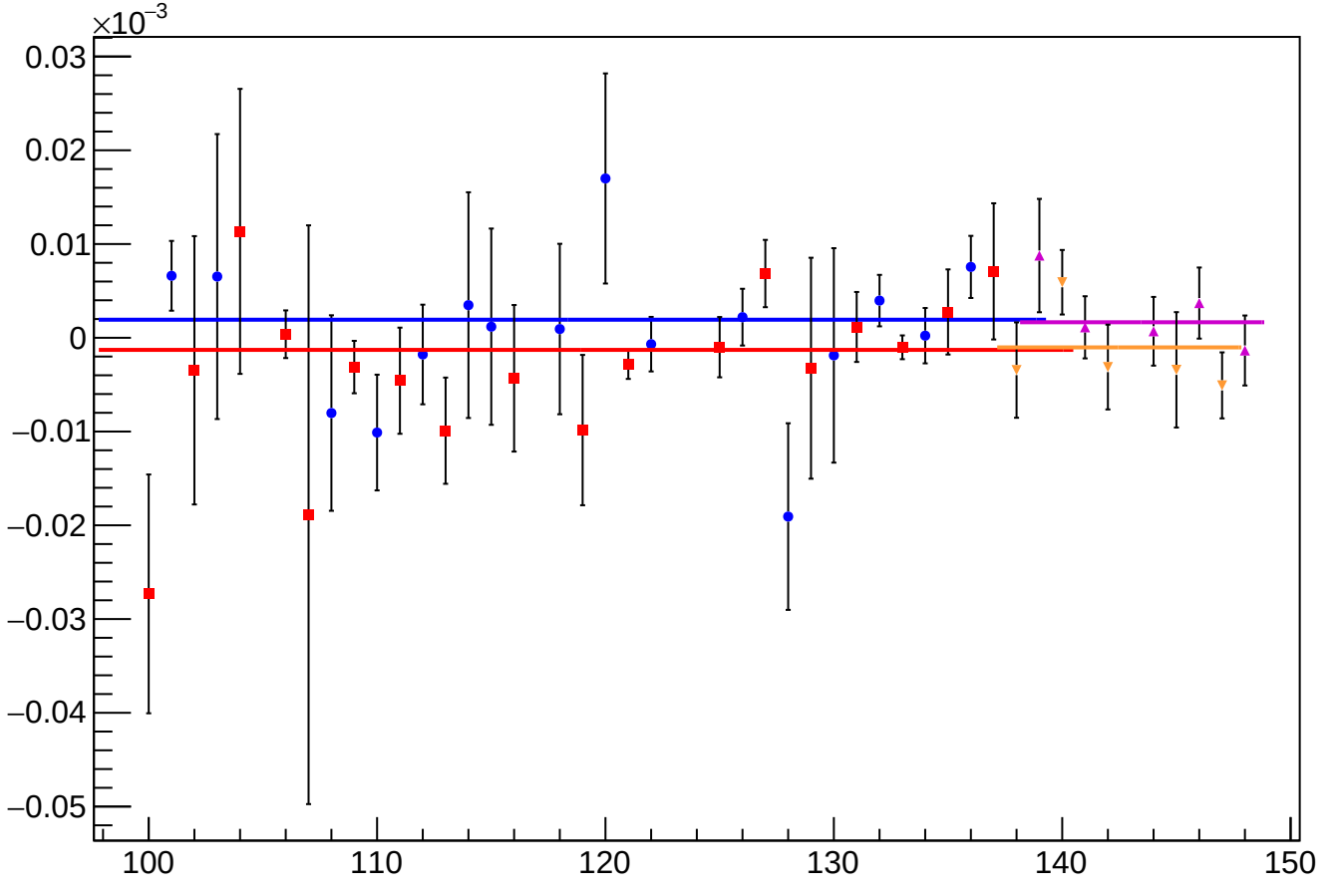
Left: 39.512+/-0.011 χ^2/NDF: 231488.1/9

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.228+/-0.009 χ^2/NDF:1486439.7/20

Out: 38.570+/-0.010 χ^2/NDF:2038586.2/22

All: 38.917+/-0.007 χ^2/NDF: 3527490.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

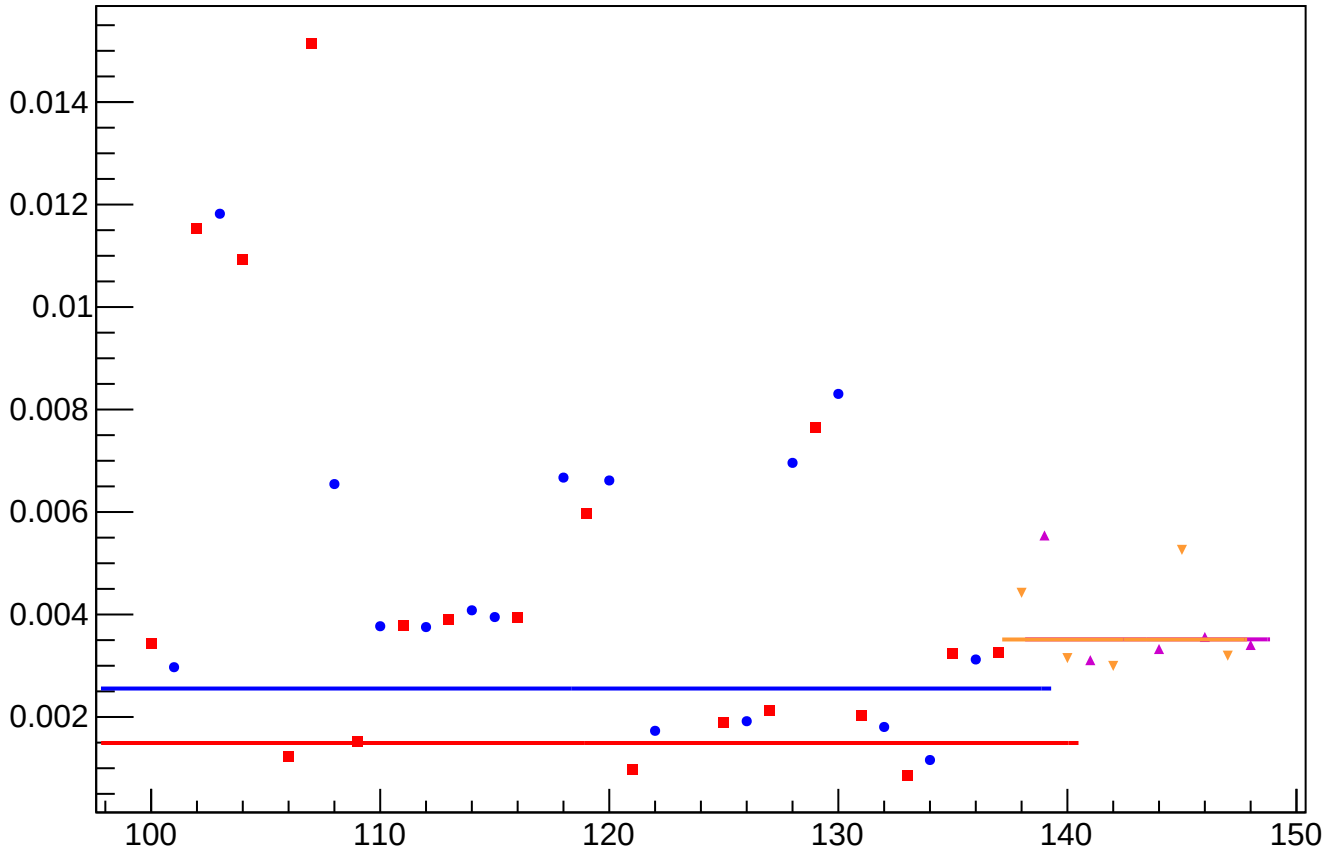
Left: 0.000+/-0.000 χ^2/NDF: 9.5/9

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:20.3/20

Out: -0.000+/-0.000 χ^2/NDF:24.9/22

All: -0.000+/-0.000 χ^2/NDF: 52.1/43



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:290146.6/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:262214.4/4

Left: 0.004+/-0.000 χ^2/NDF: 552362.8/9

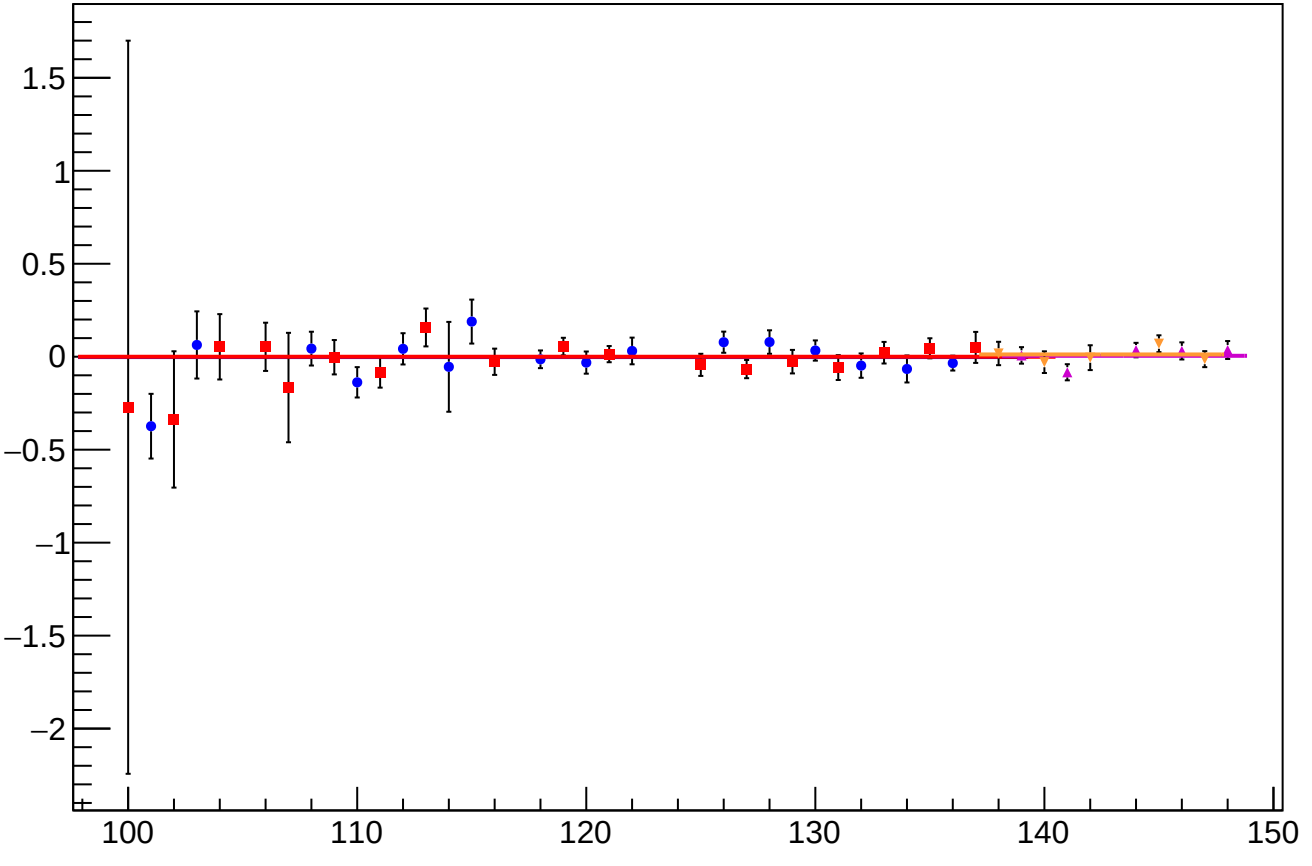
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4473134.9/20

Out: 0.002+/-0.000 χ^2/NDF:7819350.4/22

All: 0.002+/-0.000 χ^2/NDF: 13959741.9/43

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.020 χ^2/NDF:5.5/4

Left: 0.008+/-0.015 χ^2/NDF: 8.2/9

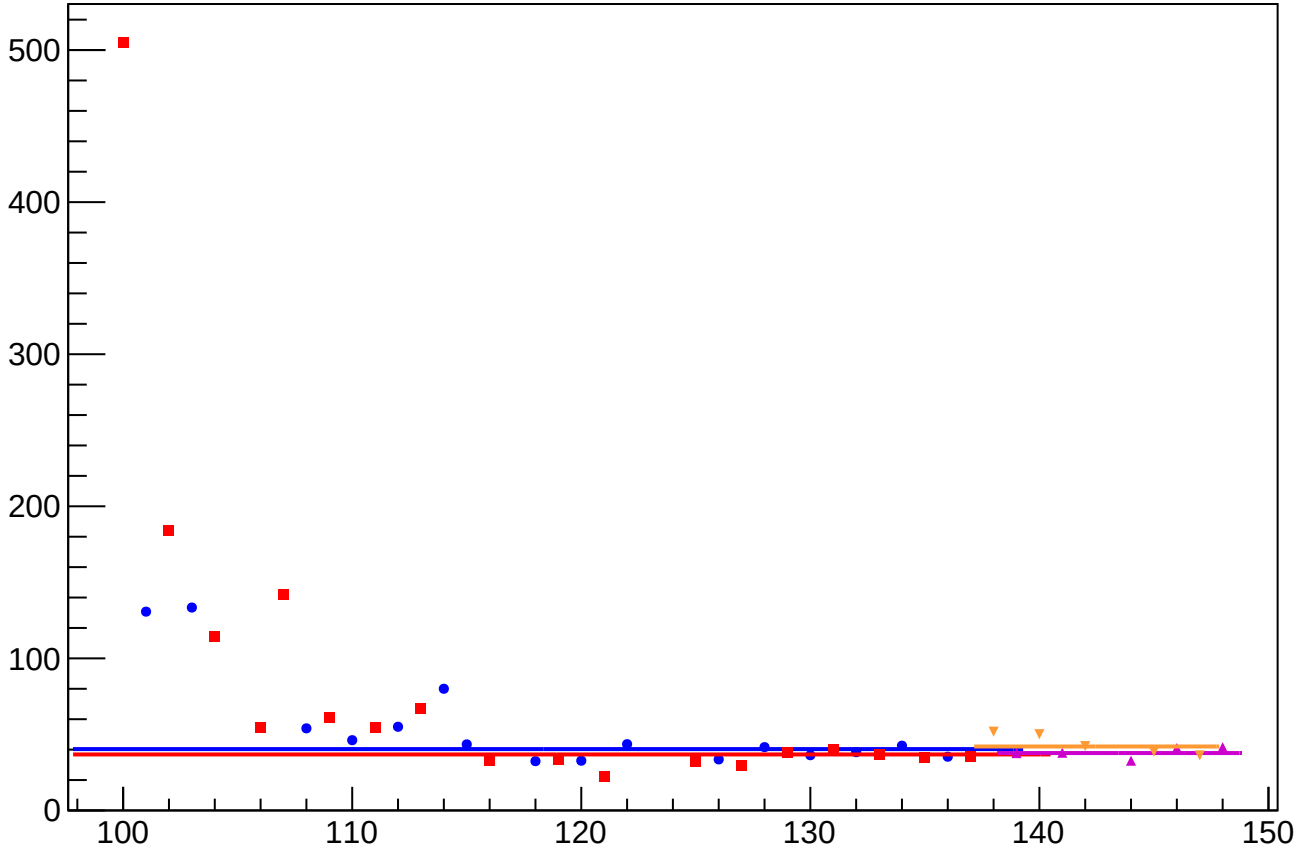
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.002+/-0.009 χ^2/NDF: 36.4/43

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: 42.059+/-0.017 χ^2/NDF:135682.6/4

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

Left: 39.512+/-0.011 χ^2/NDF: 231489.9/9

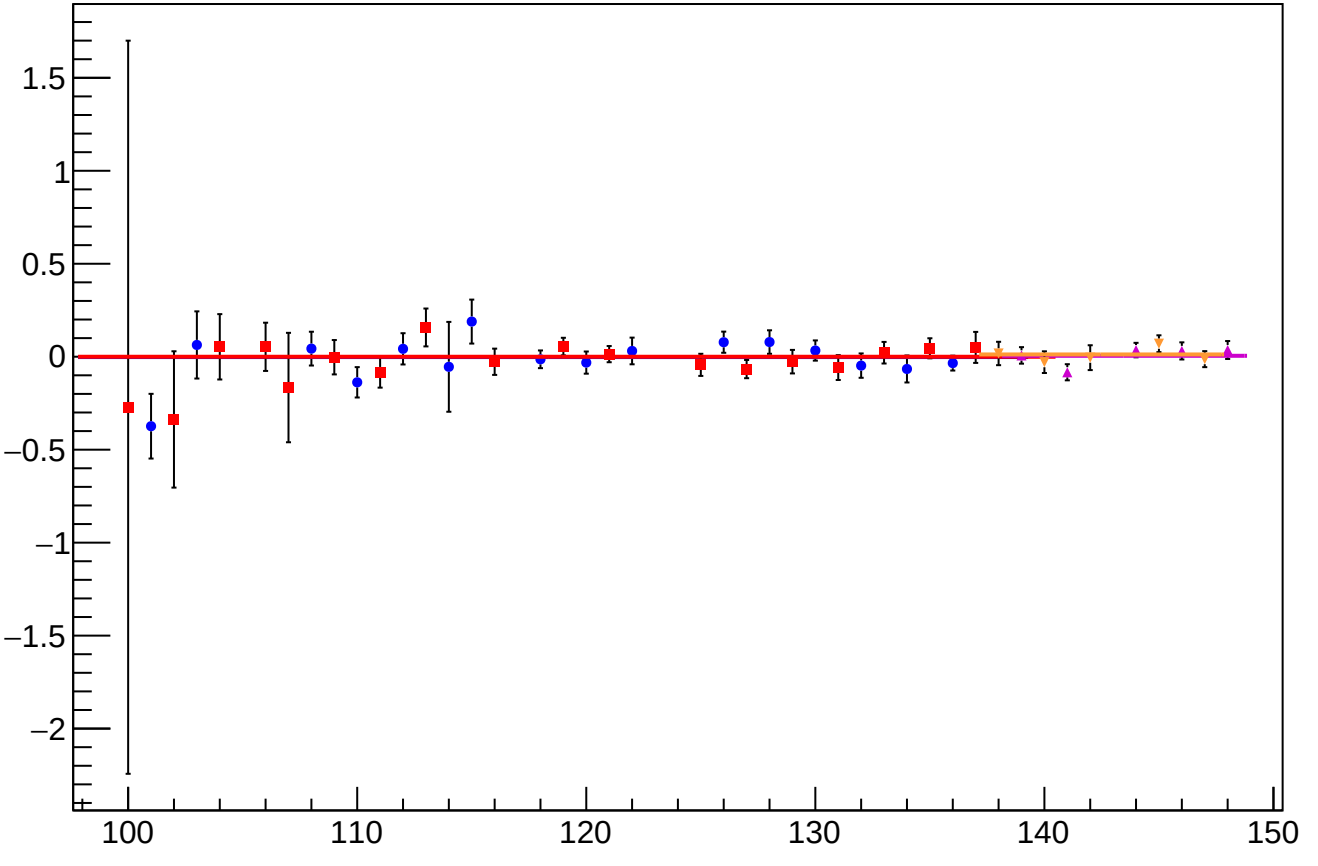
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.228+/-0.009 χ^2/NDF:1486343.8/20

Out: 38.569+/-0.010 χ^2/NDF:2038605.1/22

All: 38.917+/-0.007 χ^2/NDF: 3527421.1/43

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.020 χ^2/NDF:5.5/4

Left: 0.008+/-0.015 χ^2/NDF: 8.2/9

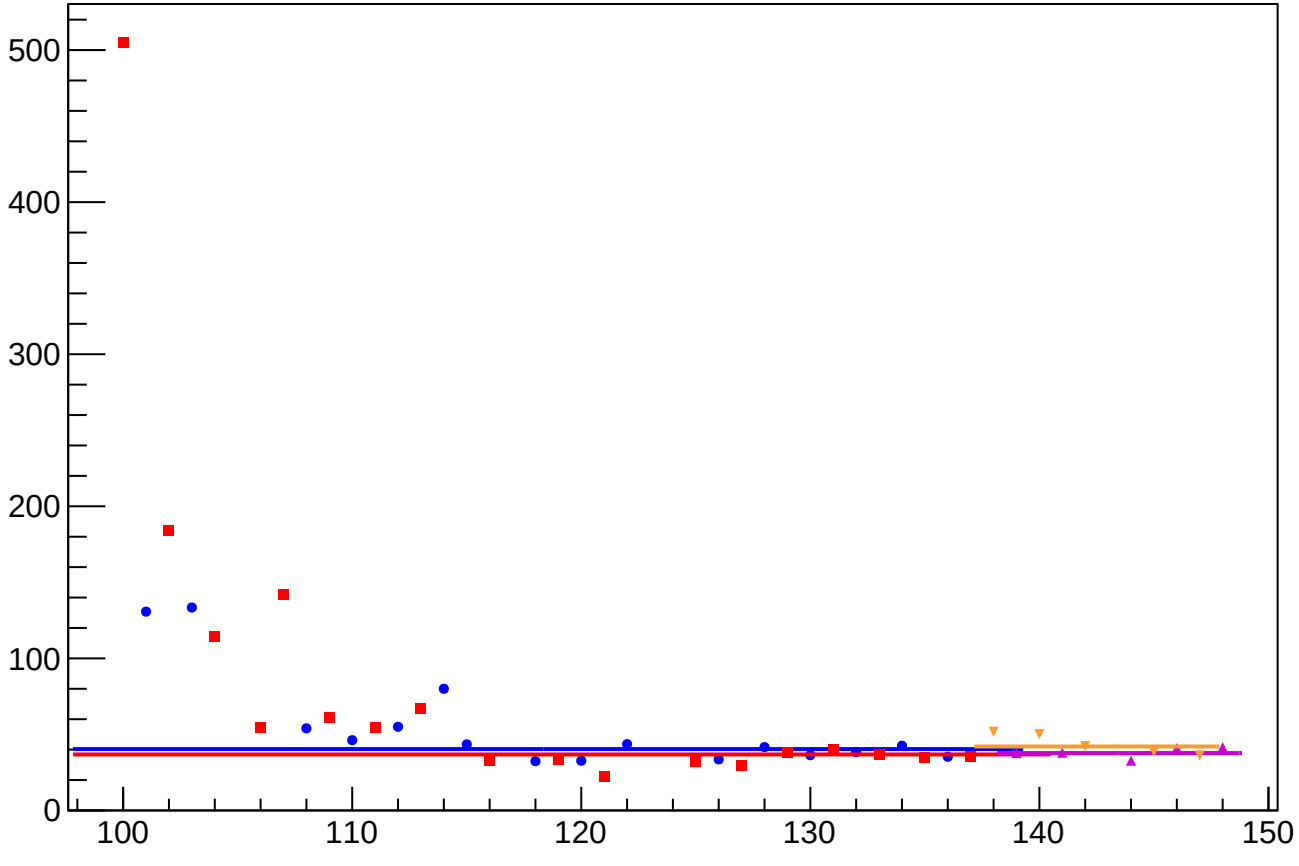
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.002+/-0.009 χ^2/NDF: 36.4/43

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: 42.059+/-0.017 χ^2/NDF:135682.6/4

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

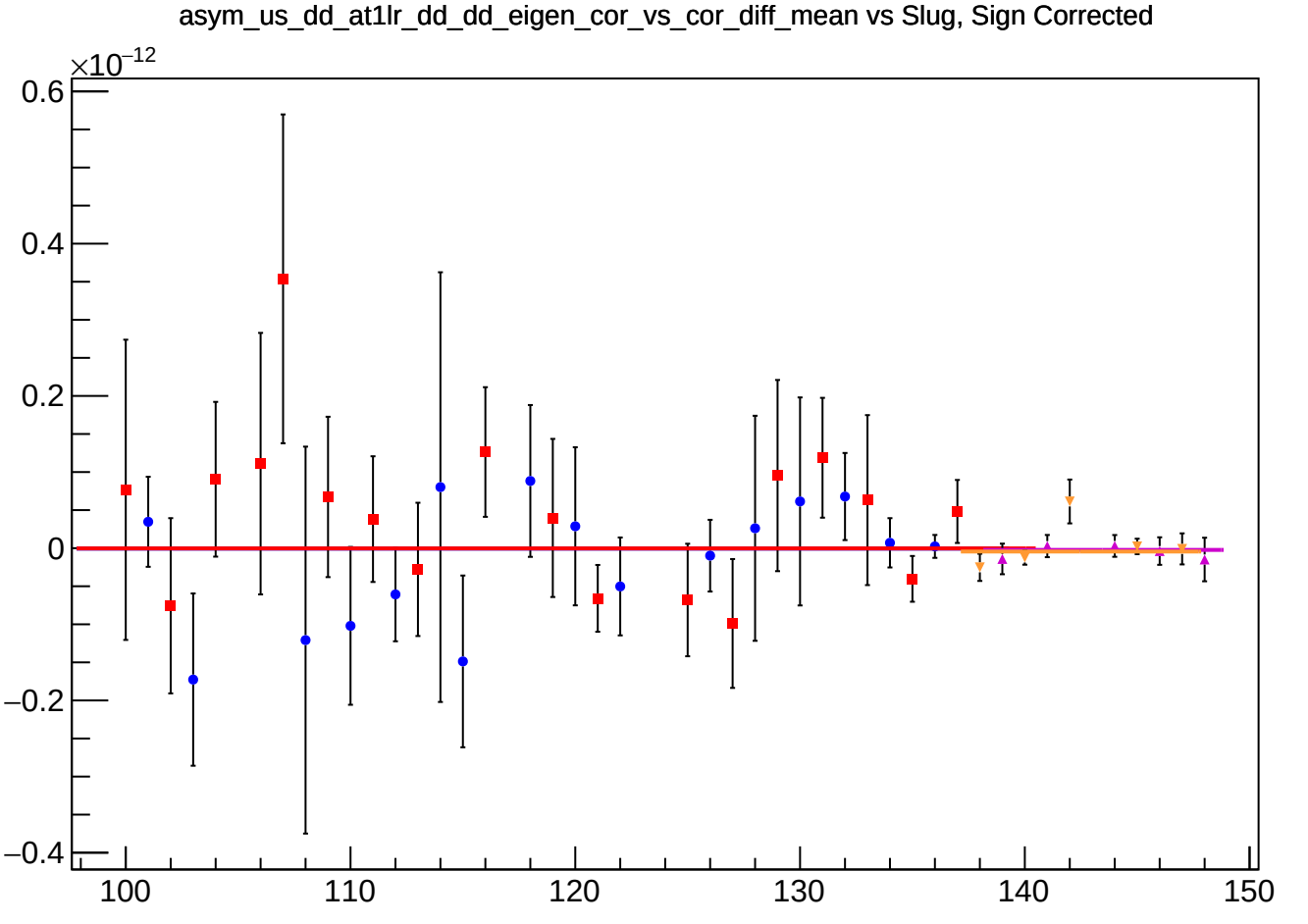
Left: 39.512+/-0.011 χ^2/NDF: 231489.9/9

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.228+/-0.009 χ^2/NDF:1486343.8/20

Out: 38.569+/-0.010 χ^2/NDF:2038605.1/22

All: 38.917+/-0.007 χ^2/NDF: 3527421.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.8/4

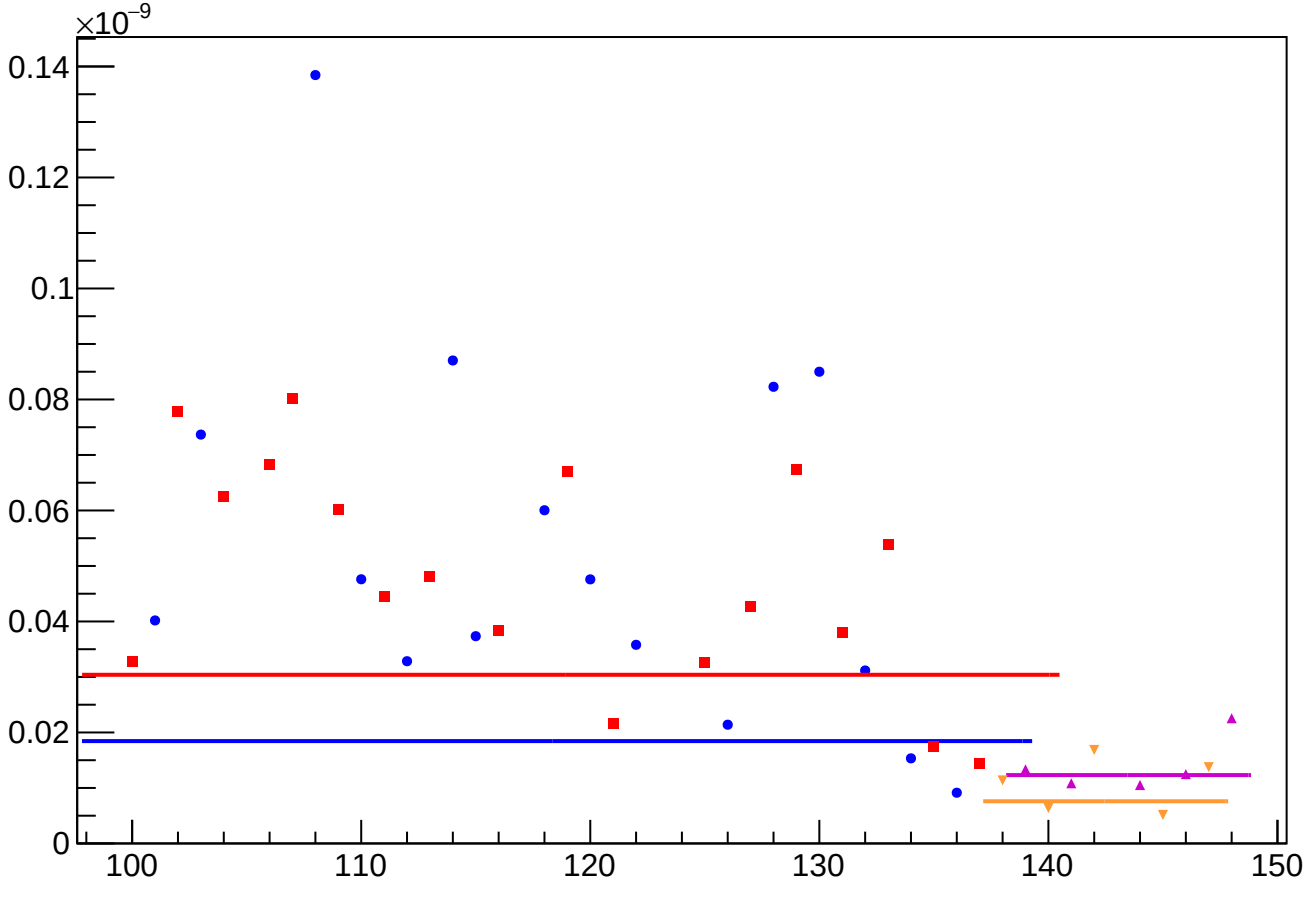
Left: -0.000+/-0.000 χ^2/NDF: 8.6/9

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:10.7/20

Out: -0.000+/-0.000 χ^2/NDF:26.1/22

All: -0.000+/-0.000 χ^2/NDF: 36.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:627281.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:313461.7/4

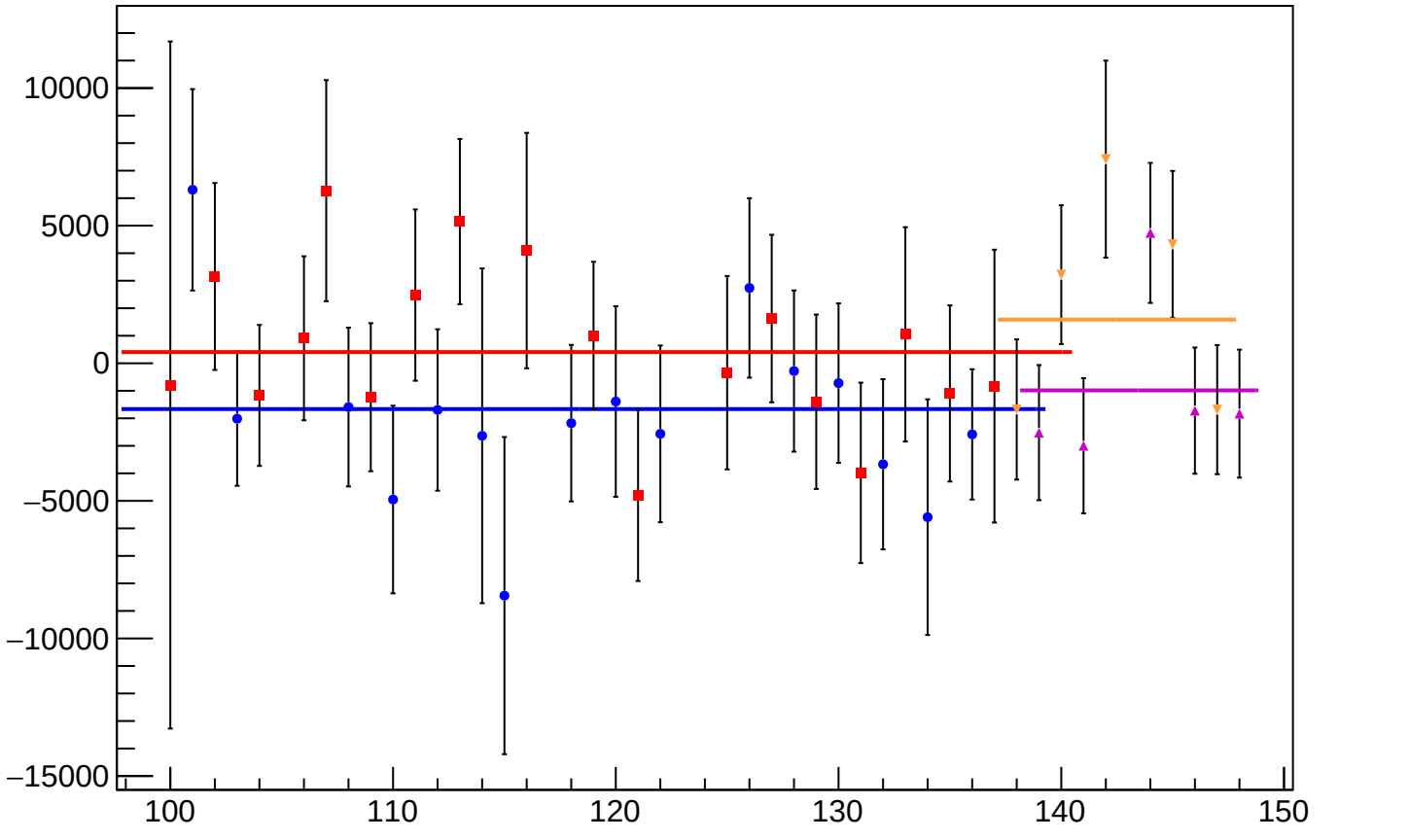
Left: 0.000+/-0.000 χ^2/NDF: 1397673.8/9

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4721731.3/20

Out: 0.000+/-0.000 χ^2/NDF:6396293.0/22

All: 0.000+/-0.000 χ^2/NDF: 11541564.9/43



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1584.800+/-1185.422 χ^2/NDF:7.7/4

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -985.306+/-1077.721 χ^2/NDF:6.4/4

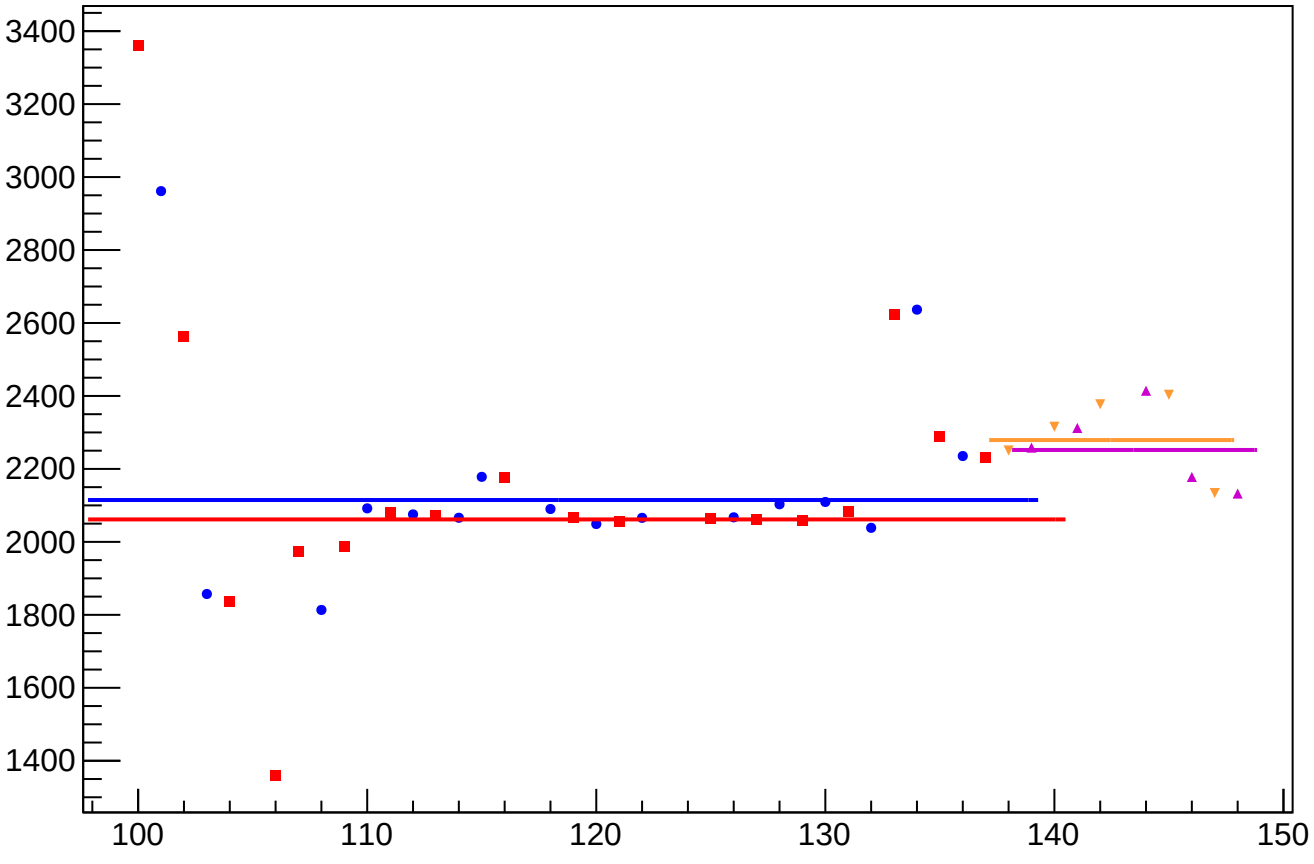
Left: 177.715+/-797.428 χ^2/NDF: 16.6/9

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1426.135+/-638.286 χ^2/NDF:17.4/20

Out: 760.945+/-649.936 χ^2/NDF:21.1/22

All: -352.372+/-455.400 χ^2/NDF: 44.3/43



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

Left: 2264.247+/-0.564 χ^2/NDF: 31460.7/9

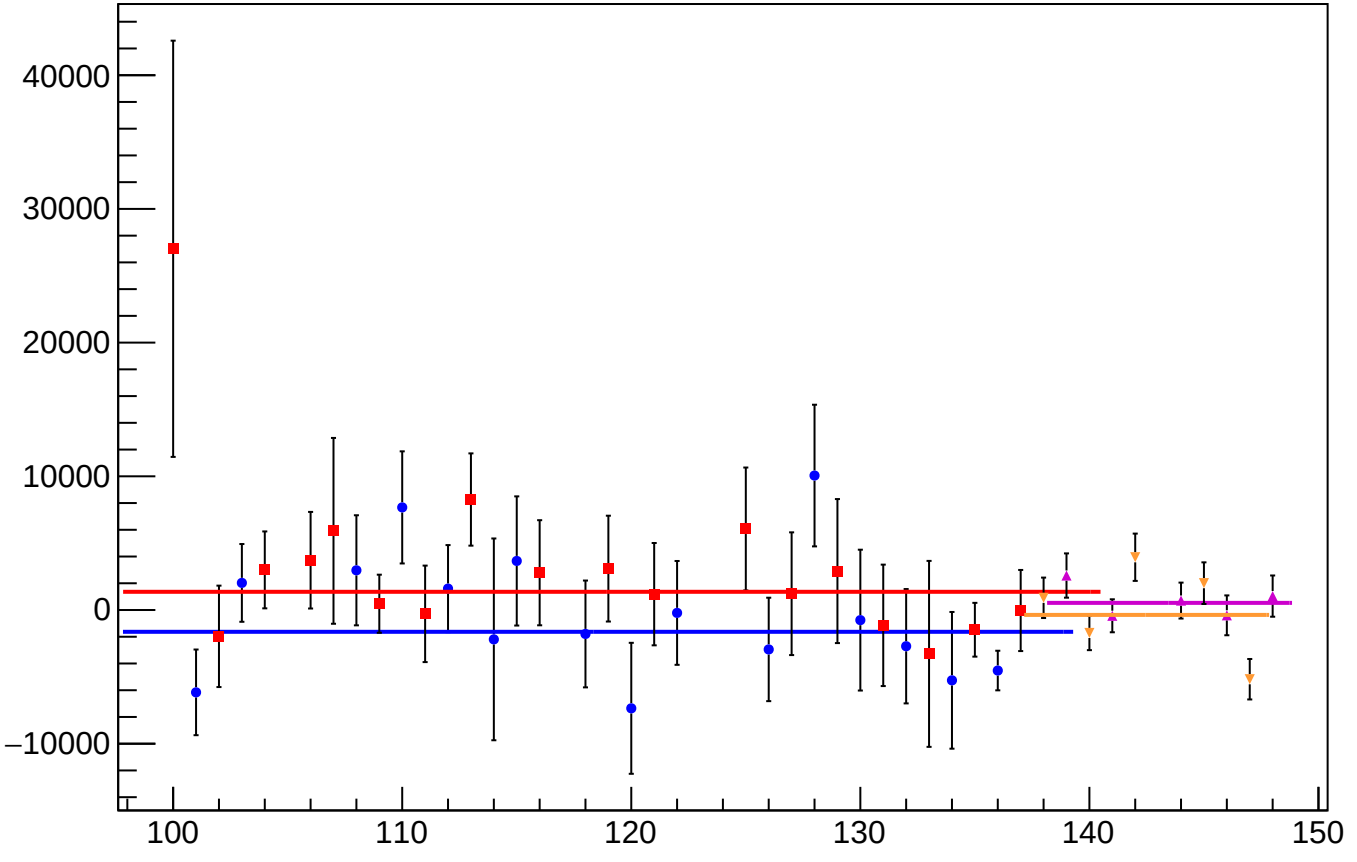
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2162.874+/-0.451 χ^2/NDF:227681.7/20

Out: 2126.965+/-0.460 χ^2/NDF:310472.4/22

All: 2145.244+/-0.322 χ^2/NDF: 541261.8/43

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: -366.697+/-672.449 χ^2/NDF:20.2/4

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 533.193+/-639.310 χ^2/NDF:2.7/4

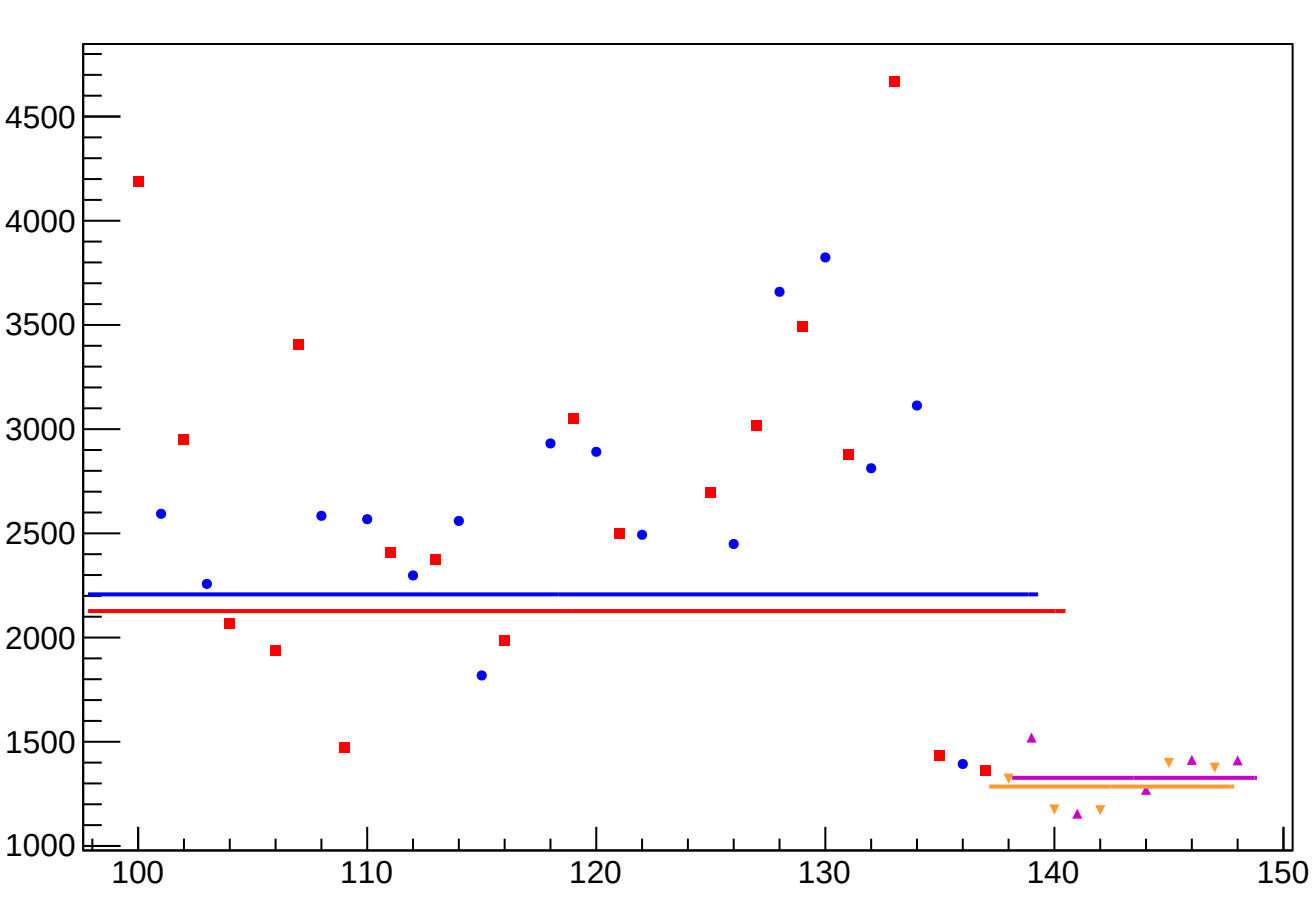
Left: 105.968+/-463.333 χ^2/NDF: 23.8/9

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -234.132+/-513.584 χ^2/NDF:29.6/20

Out: 307.995+/-525.059 χ^2/NDF:36.2/22

All: 30.943+/-367.149 χ^2/NDF: 66.3/43



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1284.962+/-0.475 χ^2/NDF:41916.8/4

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1326.875+/-0.452 χ^2/NDF:82286.1/4

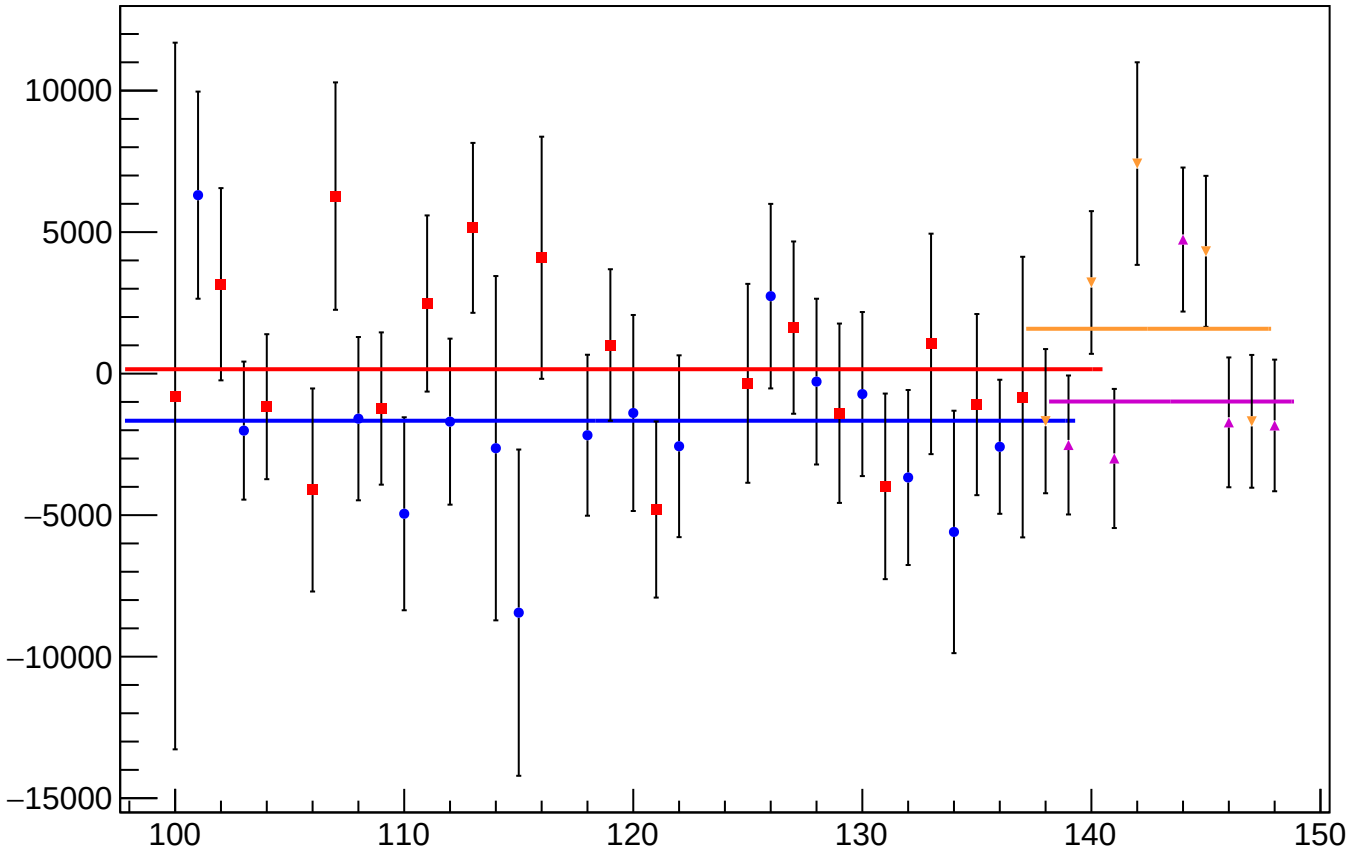
Left: 1306.977+/-0.328 χ^2/NDF: 128284.1/9

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1639.094+/-0.363 χ^2/NDF:2676594.2/20

Out: 1613.718+/-0.371 χ^2/NDF:2724672.3/22

All: 1626.686+/-0.260 χ^2/NDF: 5403653.8/43



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1585.061+/-1185.423 χ^2/NDF:7.7/4

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -985.531+/-1077.721 χ^2/NDF:6.4/4

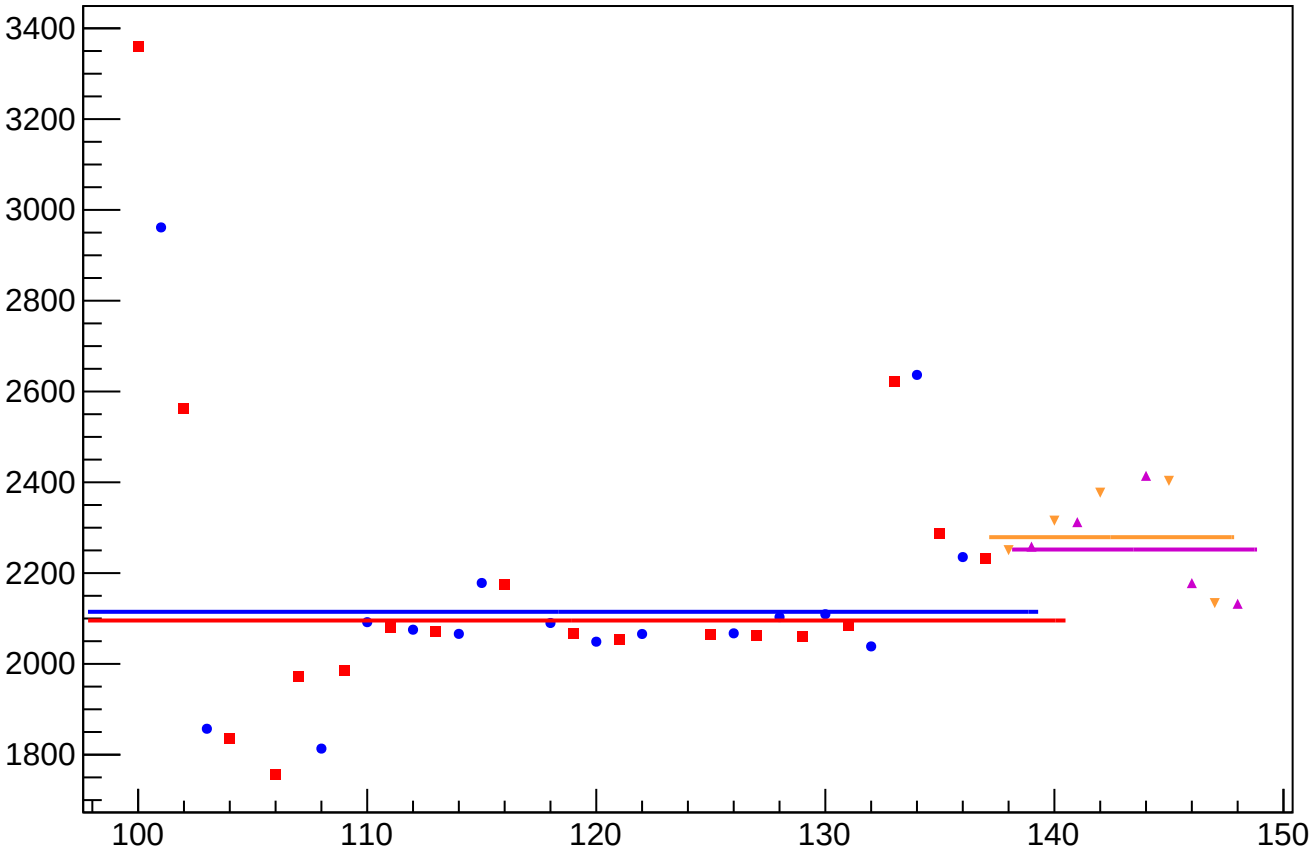
Left: 177.709+/-797.428 χ^2/NDF: 16.6/9

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1426.166+/-638.286 χ^2/NDF:17.4/20

Out: 591.854+/-654.781 χ^2/NDF:22.9/22

All: -442.894+/-457.057 χ^2/NDF: 45.2/43



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

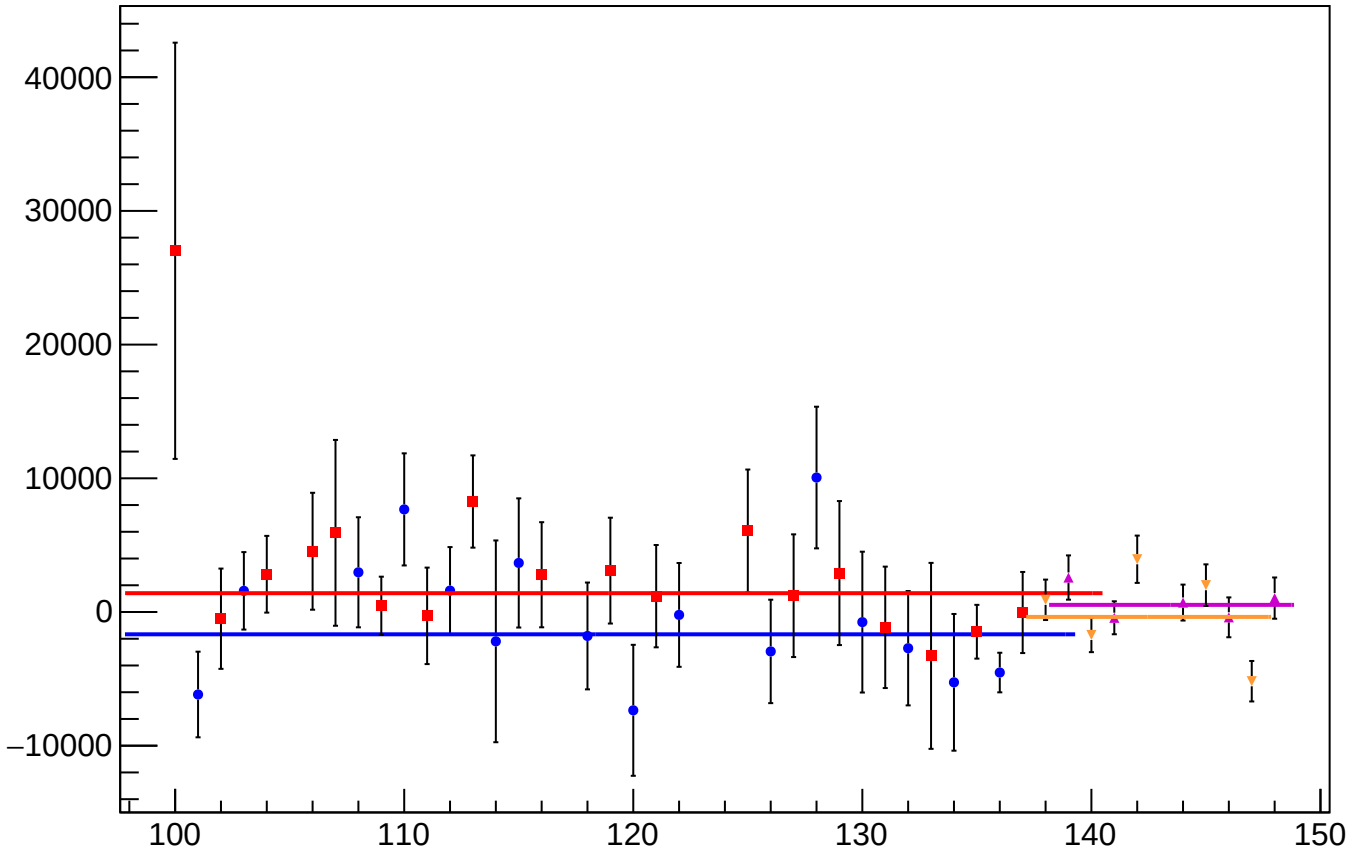
Left: 2264.247+/-0.564 χ^2/NDF: 31460.7/9

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.874+/-0.451 χ^2/NDF:227682.0/20

Out: 2151.596+/-0.463 χ^2/NDF:196840.1/22

All: 2157.379+/-0.323 χ^2/NDF: 424826.4/43



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -366.747+/-672.460 χ^2/NDF:20.2/4

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 533.119+/-639.306 χ^2/NDF:2.7/4

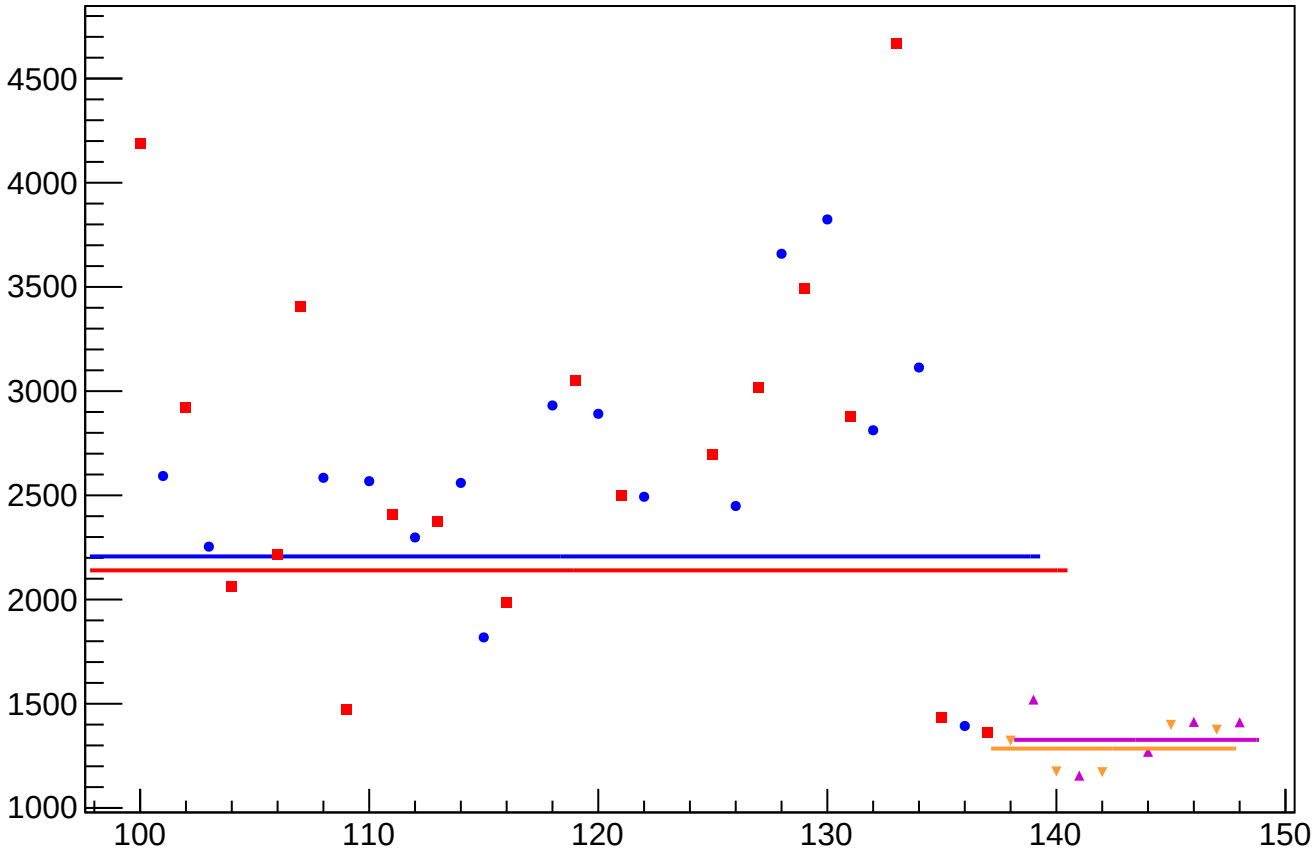
Left: 105.915+/-463.335 χ^2/NDF: 23.8/9

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -247.995+/-513.521 χ^2/NDF:29.4/20

Out: 319.339+/-526.675 χ^2/NDF:35.9/22

All: 28.499+/-367.677 χ^2/NDF: 65.8/43



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

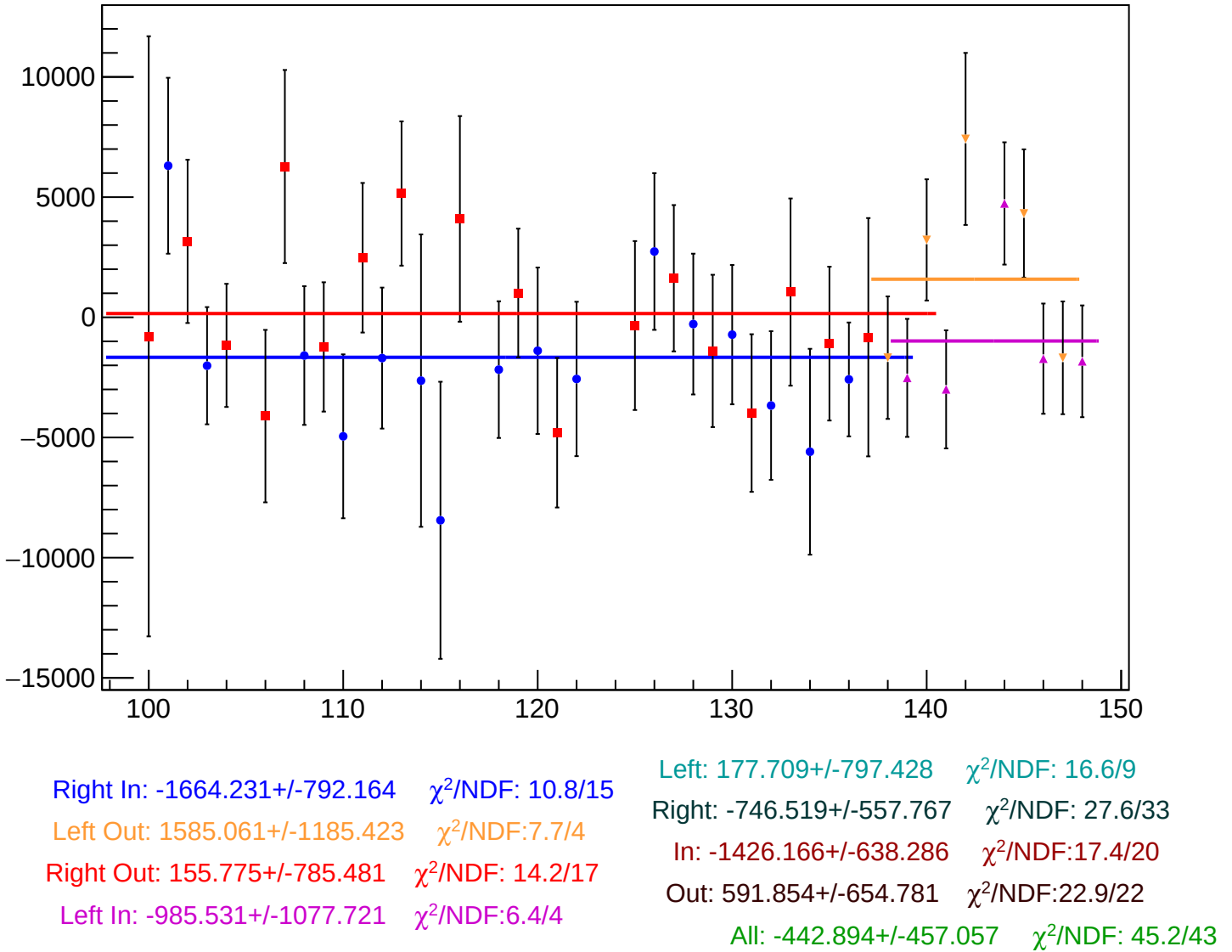
Left: 1306.984+/-0.328 χ^2/NDF: 128283.6/9

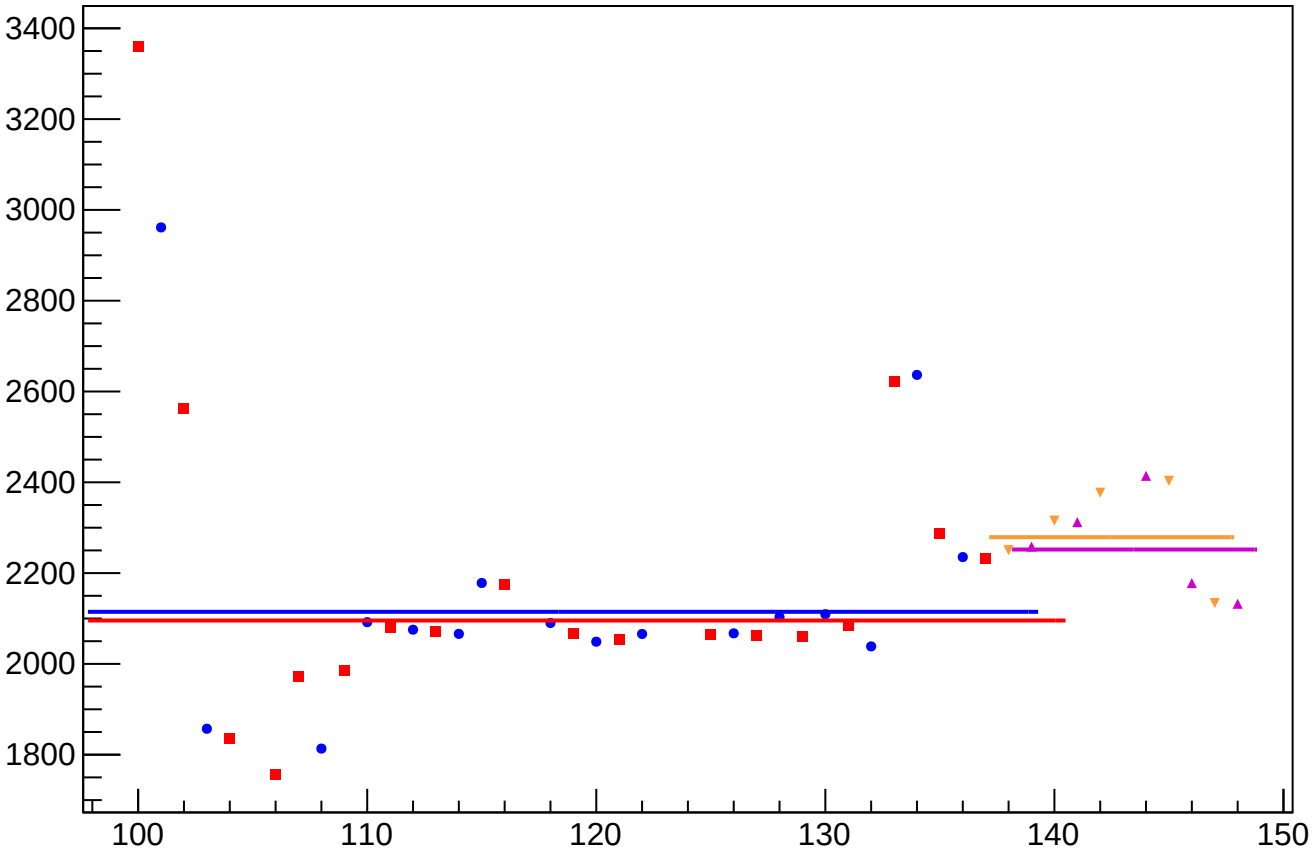
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1639.103+/-0.363 χ^2/NDF:2675965.6/20

Out: 1615.547+/-0.372 χ^2/NDF:2740391.5/22

All: 1627.623+/-0.260 χ^2/NDF: 5418408.1/43


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 1585.061+/-1185.423 χ²/NDF:7.7/4
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -985.531+/-1077.721 χ²/NDF:6.4/4
Left: 177.709+/-797.428 χ²/NDF: 16.6/9
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1426.166+/-638.286 χ²/NDF:17.4/20
Out: 591.854+/-654.781 χ²/NDF:22.9/22
All: -442.894+/-457.057 χ²/NDF: 45.2/43



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

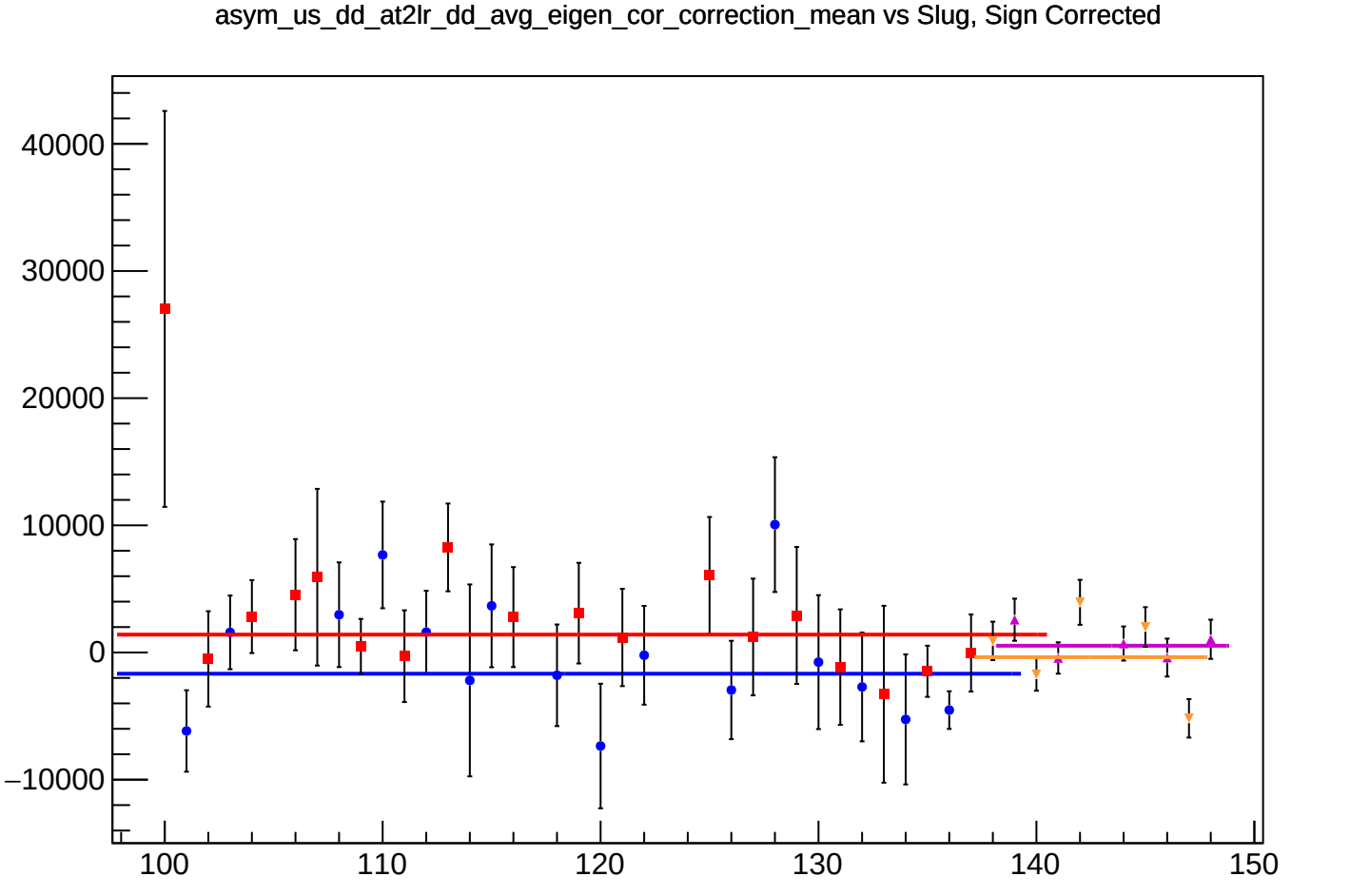
Left: 2264.247+/-0.564 χ^2/NDF: 31460.7/9

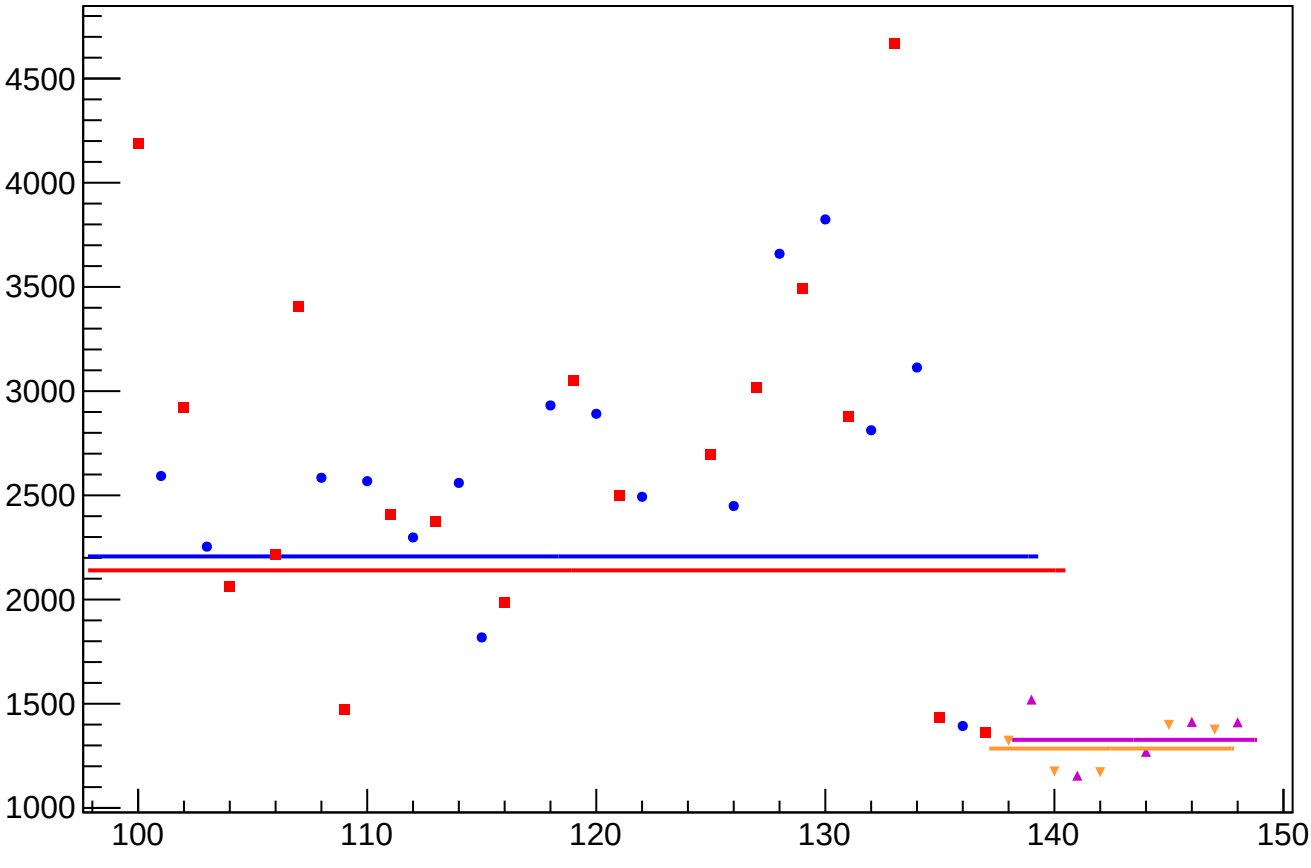
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.874+/-0.451 χ^2/NDF:227682.0/20

Out: 2151.596+/-0.463 χ^2/NDF:196840.1/22

All: 2157.379+/-0.323 χ^2/NDF: 424826.4/43


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -366.747+/-672.460 χ²/NDF:20.2/4
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 533.119+/-639.306 χ²/NDF:2.7/4
Left: 105.915+/-463.335 χ²/NDF: 23.8/9
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -247.995+/-513.521 χ²/NDF:29.4/20
Out: 319.339+/-526.675 χ²/NDF:35.9/22
All: 28.499+/-367.677 χ²/NDF: 65.8/43



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

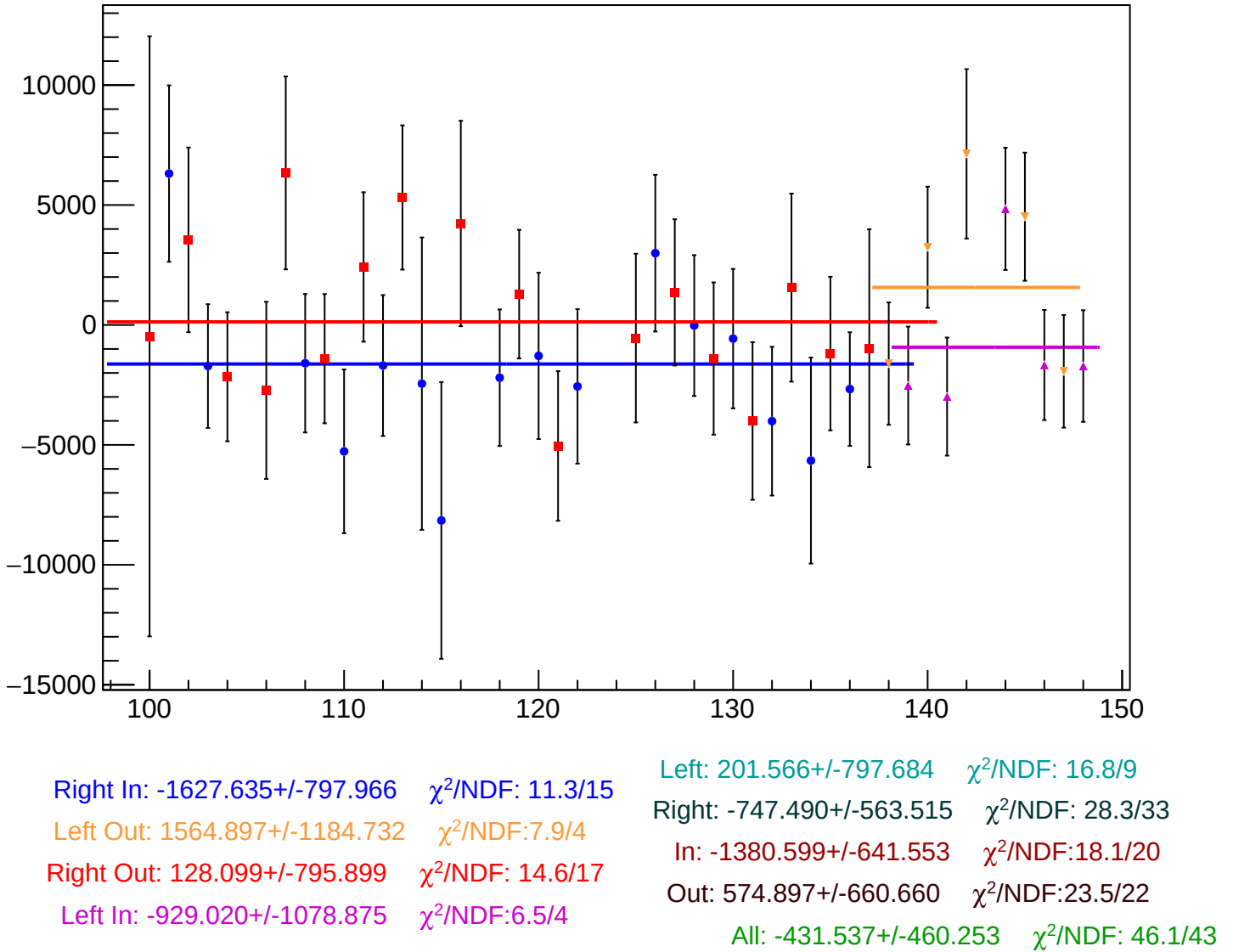
Left: 1306.984+/-0.328 χ^2/NDF: 128283.6/9

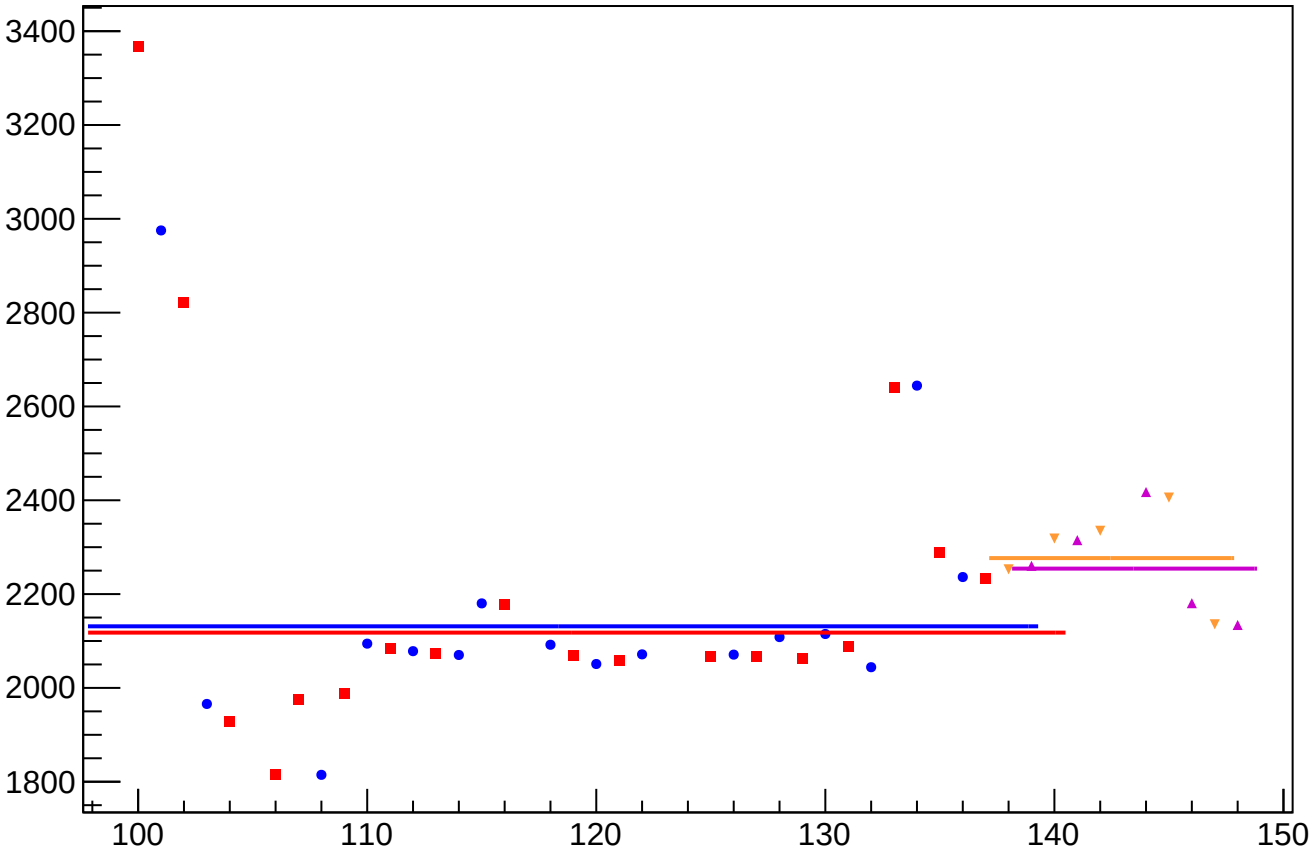
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1639.103+/-0.363 χ^2/NDF:2675965.6/20

Out: 1615.547+/-0.372 χ^2/NDF:2740391.5/22

All: 1627.623+/-0.260 χ^2/NDF: 5418408.1/43


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: 1564.897+/-1184.732 χ²/NDF:7.9/4
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -929.020+/-1078.875 χ²/NDF:6.5/4
Left: 201.566+/-797.684 χ²/NDF: 16.8/9
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1380.599+/-641.553 χ²/NDF:18.1/20
Out: 574.897+/-660.660 χ²/NDF:23.5/22
All: -431.537+/-460.253 χ²/NDF: 46.1/43



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2276.728+/-0.838 χ^2/NDF:13160.5/4

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2254.321+/-0.763 χ^2/NDF:16834.4/4

Left: 2264.479+/-0.564 χ^2/NDF: 30386.0/9

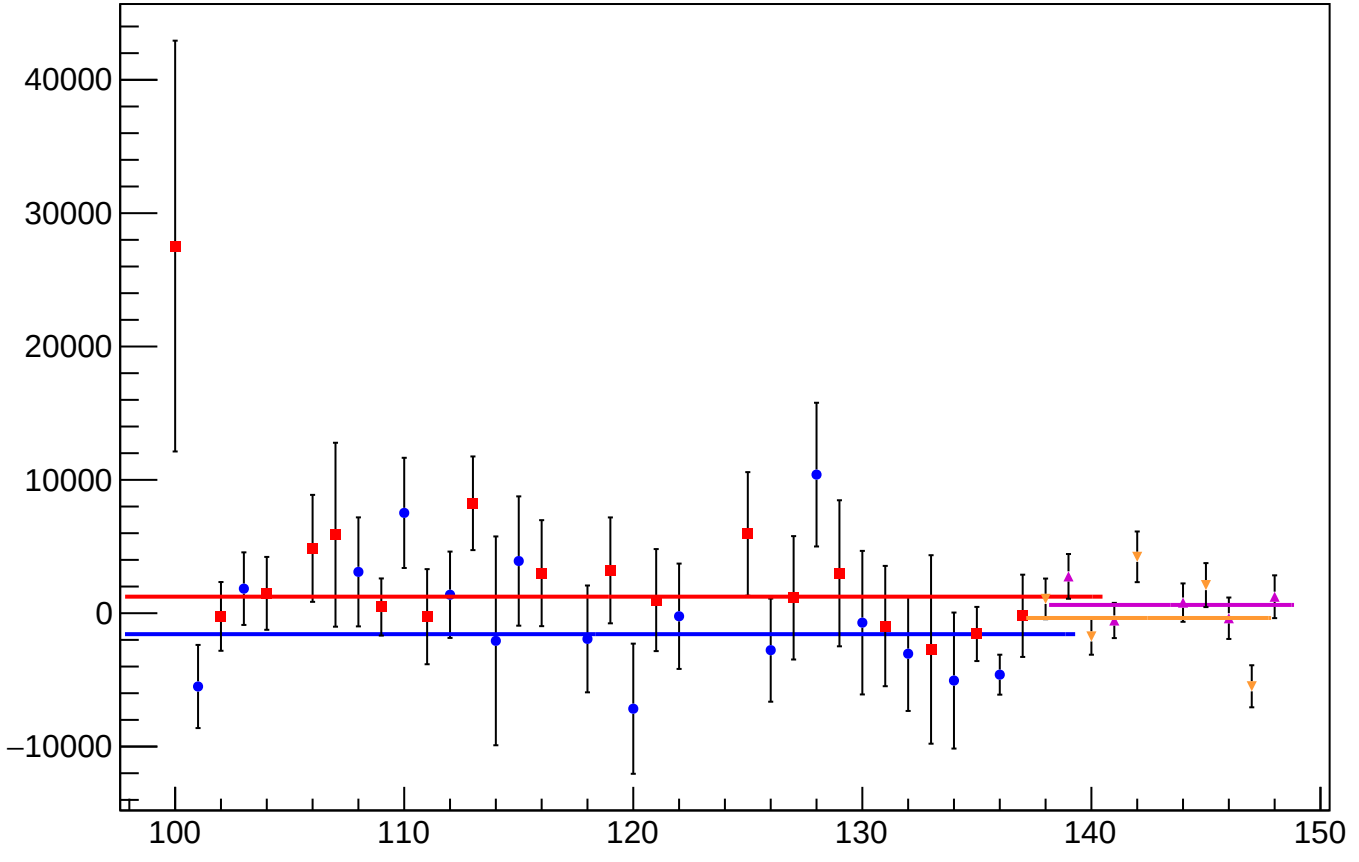
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2174.800+/-0.454 χ^2/NDF:209587.2/20

Out: 2167.268+/-0.467 χ^2/NDF:201560.9/22

All: 2171.144+/-0.325 χ^2/NDF: 411281.9/43

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -357.799+/-705.643 χ^2/NDF:20.5/4

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 620.795+/-671.993 χ^2/NDF:3.0/4

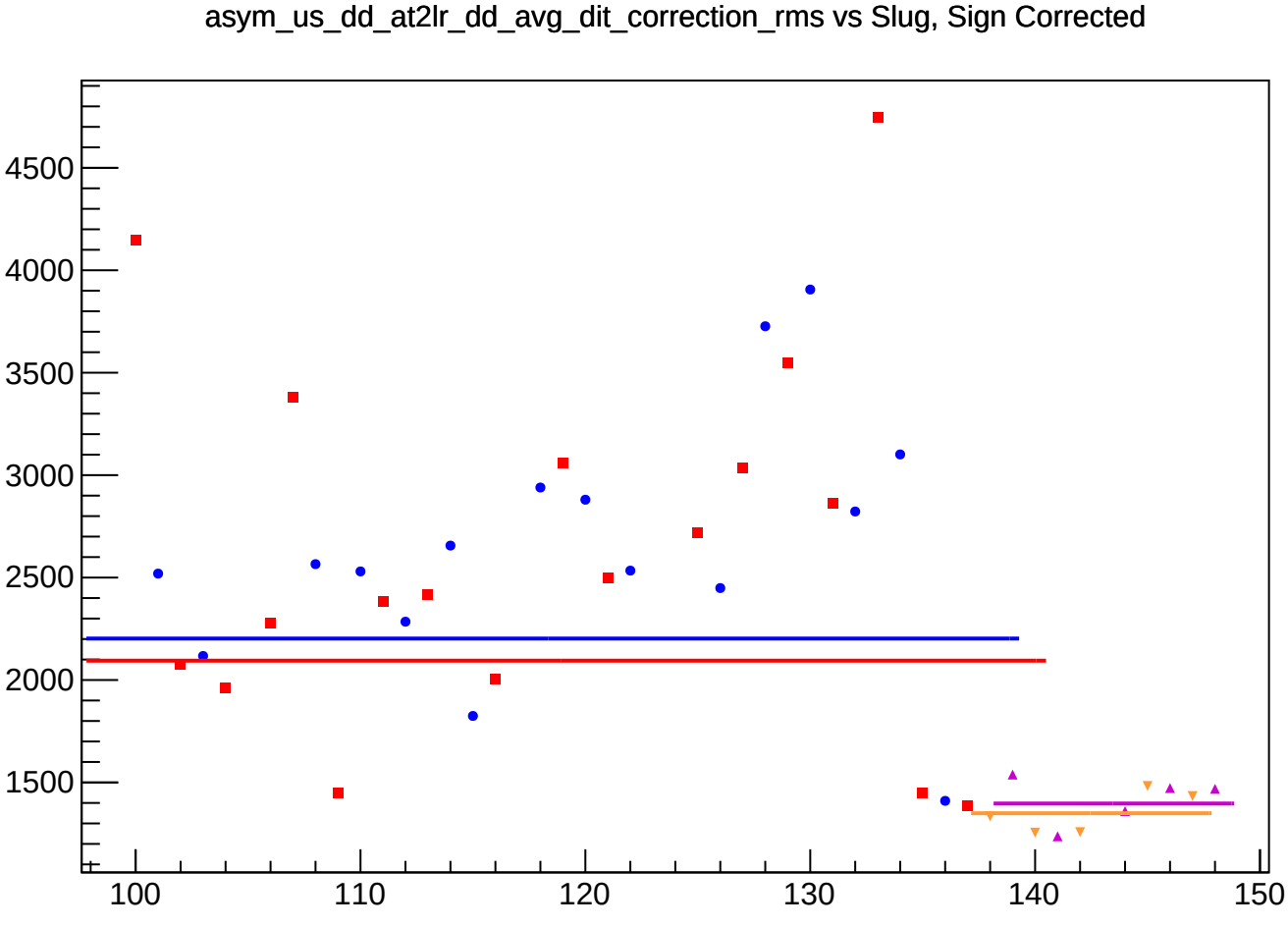
Left: 155.386+/-486.632 χ^2/NDF: 24.5/9

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -210.439+/-529.454 χ^2/NDF:29.6/20

Out: 322.647+/-534.803 χ^2/NDF:35.8/22

All: 53.425+/-376.257 χ^2/NDF: 65.9/43



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1349.690+/-0.499 χ^2/NDF:33101.8/4

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1397.140+/-0.475 χ^2/NDF:53608.5/4

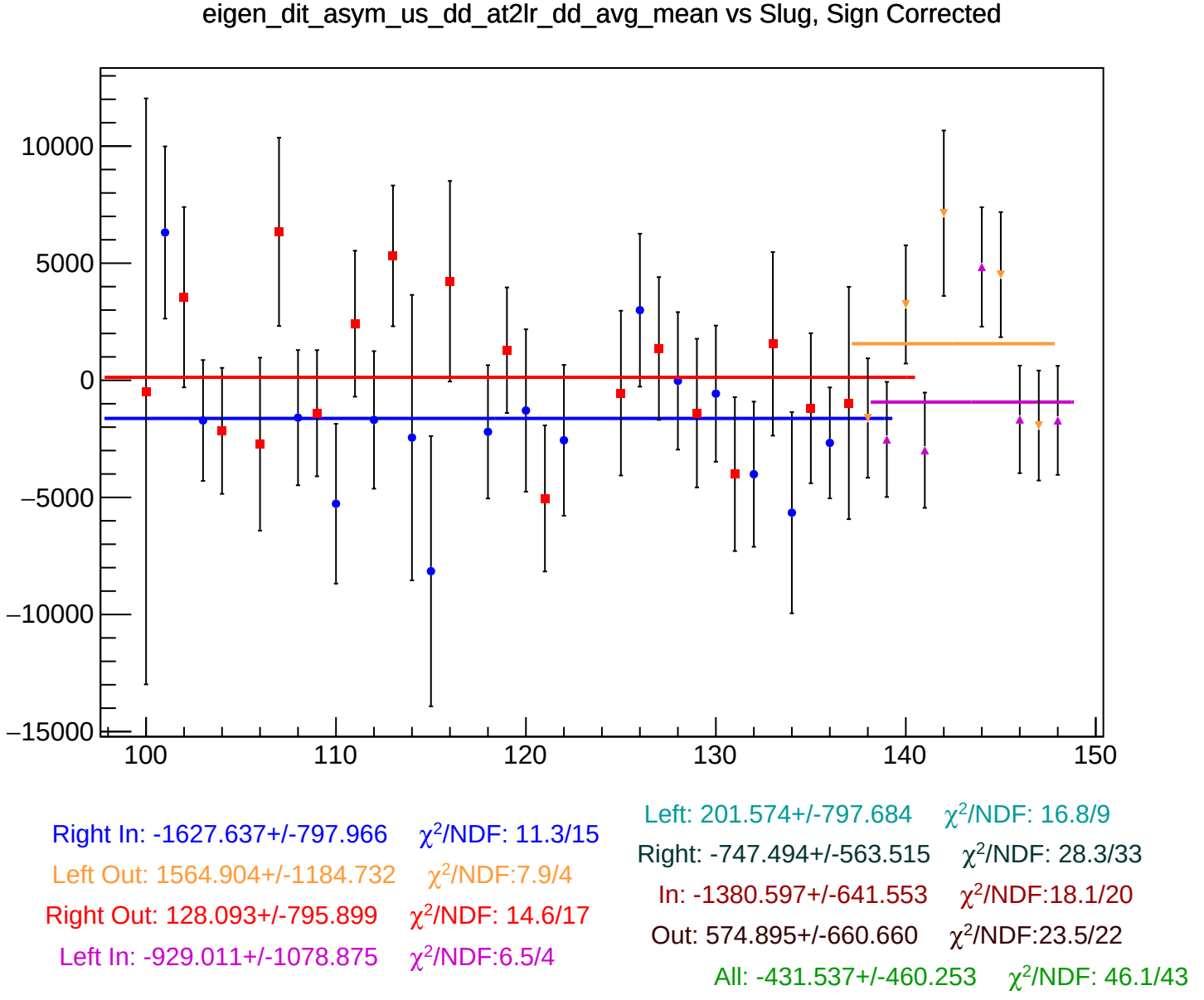
Left: 1374.574+/-0.344 χ^2/NDF: 91452.8/9

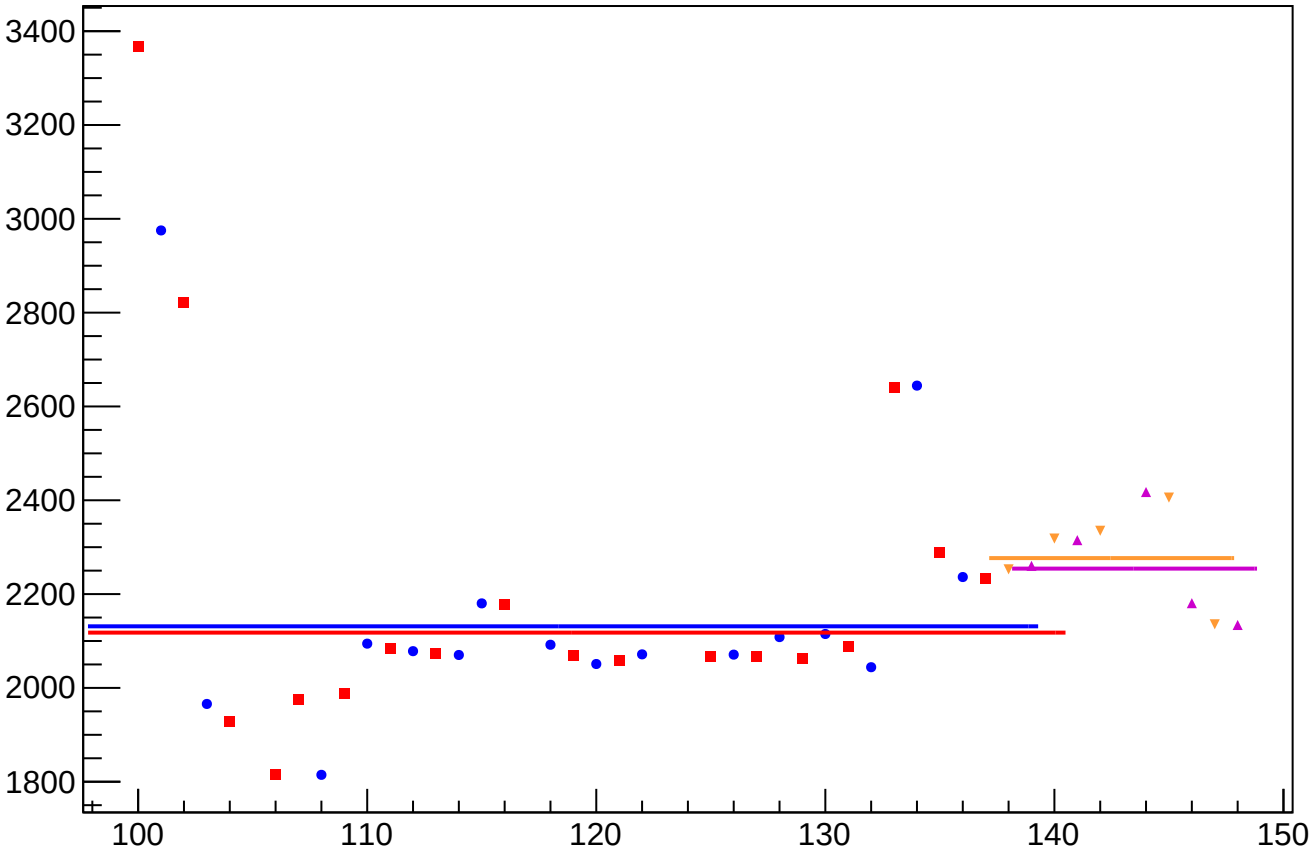
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1702.515+/-0.374 χ^2/NDF:2365647.8/20

Out: 1666.655+/-0.378 χ^2/NDF:2354944.5/22

All: 1684.765+/-0.266 χ^2/NDF: 4725133.6/43


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 1564.904+/-1184.732 χ²/NDF:7.9/4
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -929.011+/-1078.875 χ²/NDF:6.5/4
Left: 201.574+/-797.684 χ²/NDF: 16.8/9
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1380.597+/-641.553 χ²/NDF:18.1/20
Out: 574.895+/-660.660 χ²/NDF:23.5/22
All: -431.537+/-460.253 χ²/NDF: 46.1/43



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2276.728+/-0.838 χ^2/NDF:13160.5/4

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2254.321+/-0.763 χ^2/NDF:16834.5/4

Left: 2264.479+/-0.564 χ^2/NDF: 30386.1/9

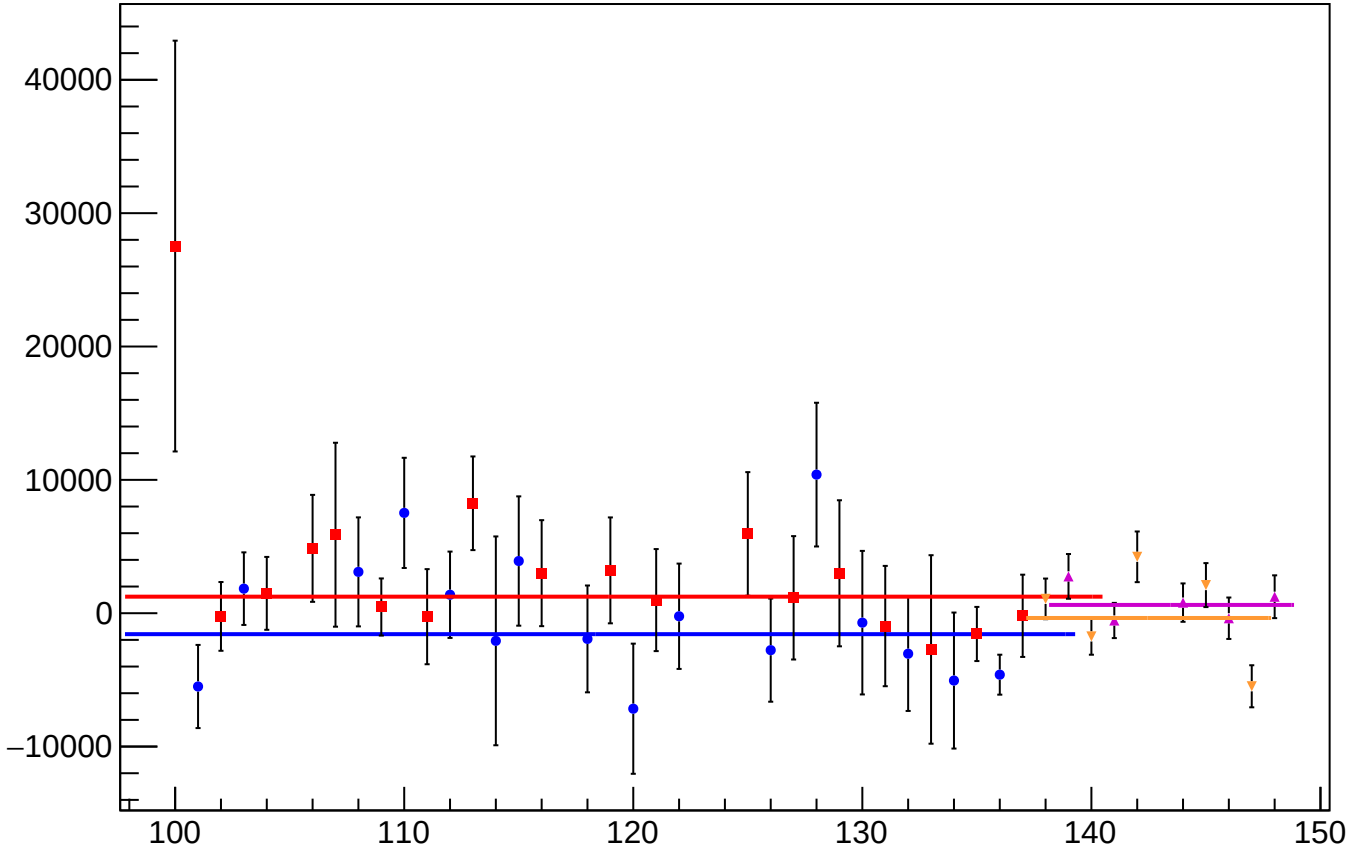
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2174.800+/-0.454 χ^2/NDF:209587.2/20

Out: 2167.268+/-0.467 χ^2/NDF:201560.9/22

All: 2171.144+/-0.325 χ^2/NDF: 411281.9/43

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -357.807+/-705.647 χ^2/NDF:20.5/4

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 620.790+/-671.994 χ^2/NDF:3.0/4

Left: 155.382+/-486.634 χ^2/NDF: 24.5/9

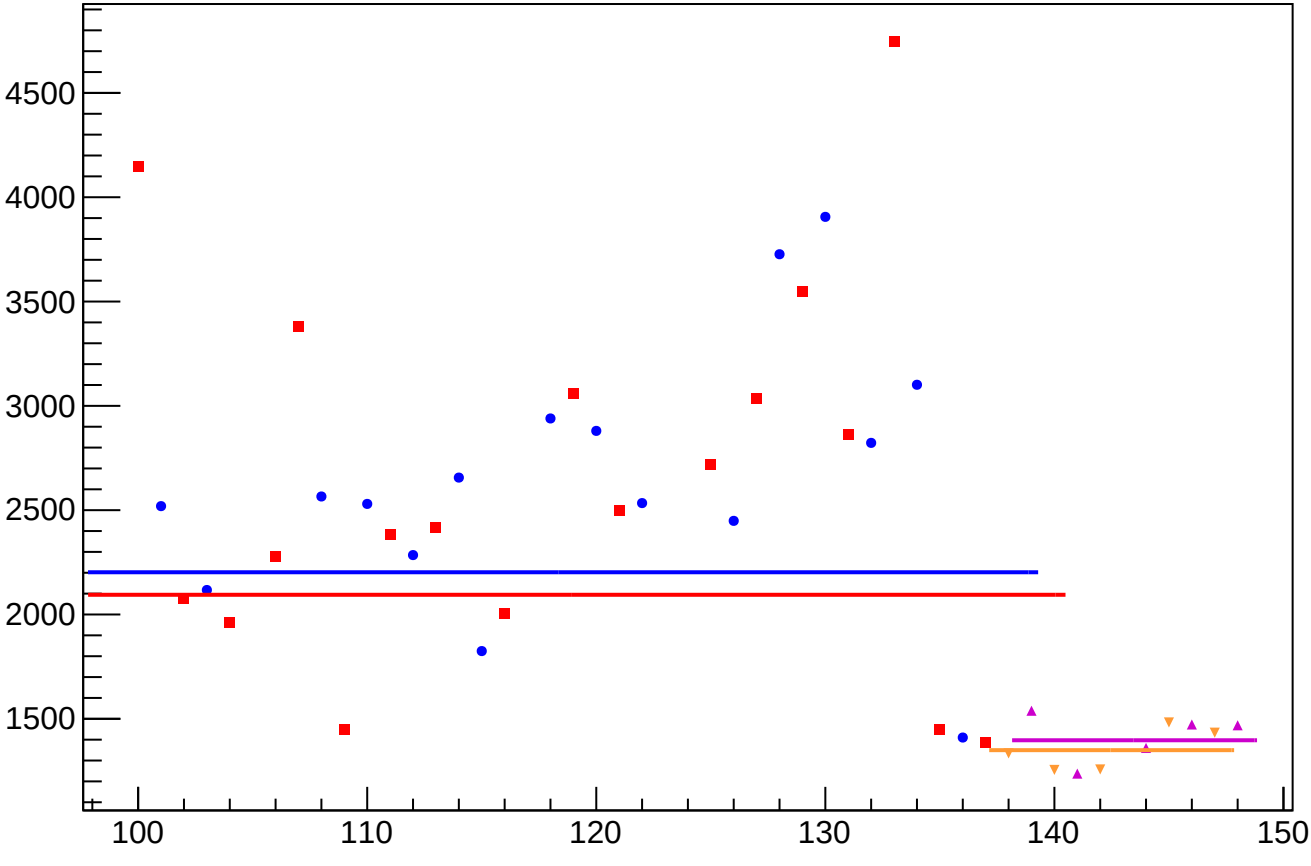
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -210.434+/-529.455 χ^2/NDF:29.6/20

Out: 322.650+/-534.805 χ^2/NDF:35.8/22

All: 53.429+/-376.259 χ^2/NDF: 65.9/43

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: 1349.698+/-0.499 χ^2/NDF:33099.3/4

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1397.142+/-0.475 χ^2/NDF:53610.0/4

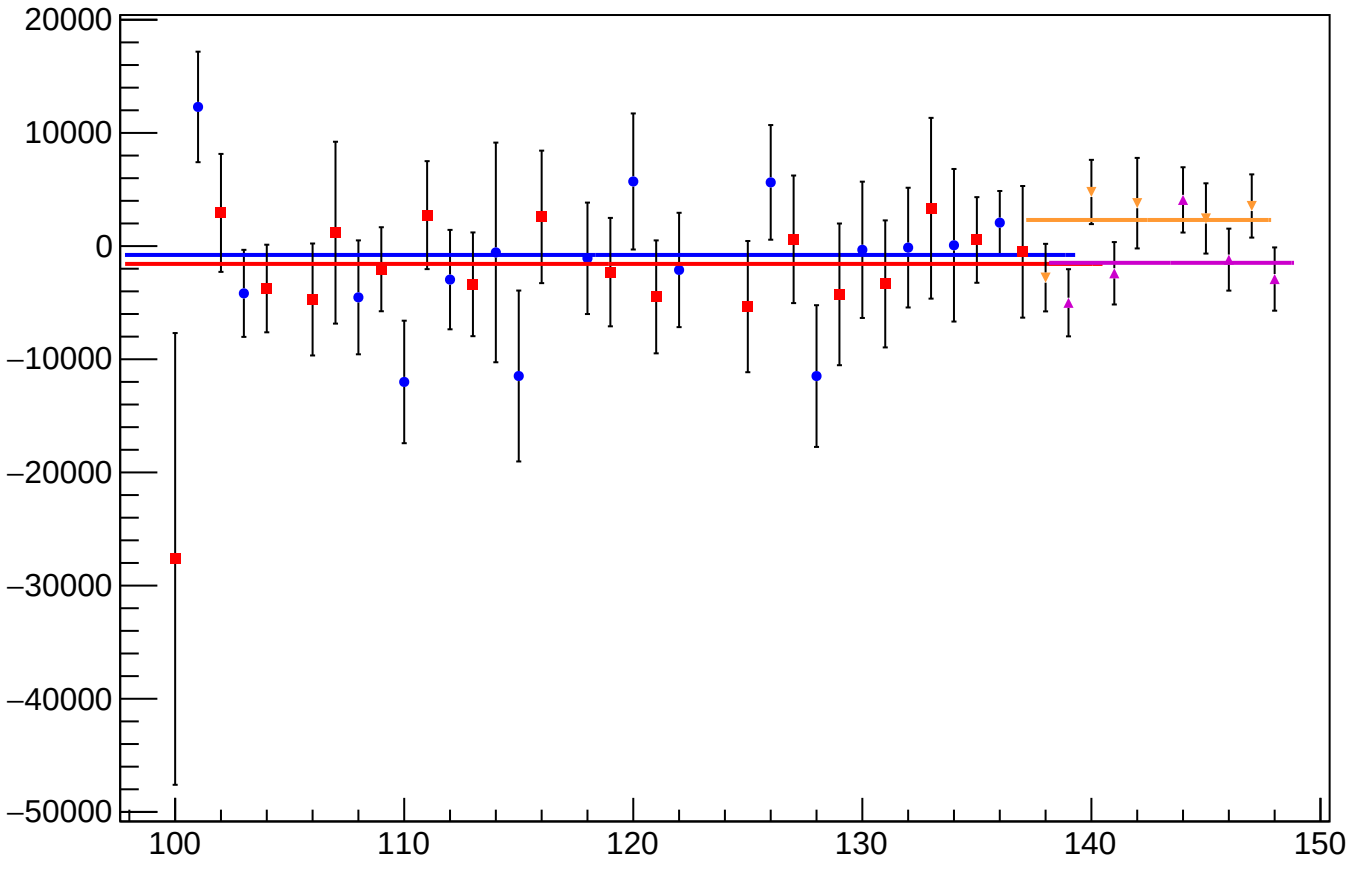
Left: 1374.578+/-0.344 χ^2/NDF: 91450.5/9

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1702.520+/-0.374 χ^2/NDF:2365614.4/20

Out: 1666.665+/-0.378 χ^2/NDF:2354898.4/22

All: 1684.773+/-0.266 χ^2/NDF: 4725052.6/43



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2308.728+/-1372.713 χ^2/NDF:4.0/4

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1479.016+/-1263.464 χ^2/NDF:5.5/4

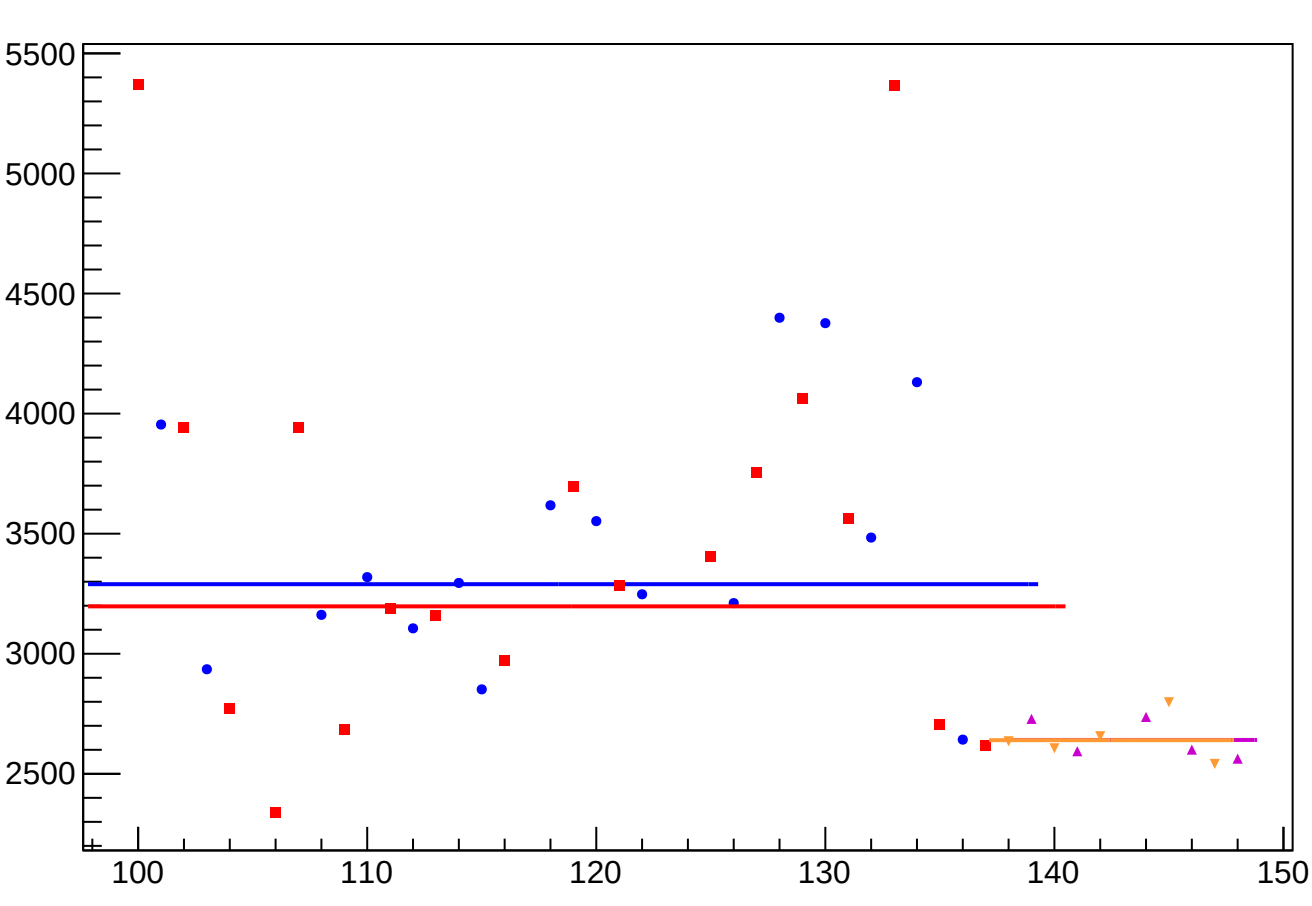
Left: 258.153+/-929.631 χ^2/NDF: 13.6/9

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1124.262+/-885.613 χ^2/NDF:27.6/20

Out: 137.451+/-911.468 χ^2/NDF:15.2/22

All: -511.554+/-635.167 χ^2/NDF: 43.8/43



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2640.186+/-0.971 χ^2/NDF:8001.4/4

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2641.056+/-0.893 χ^2/NDF:6525.2/4

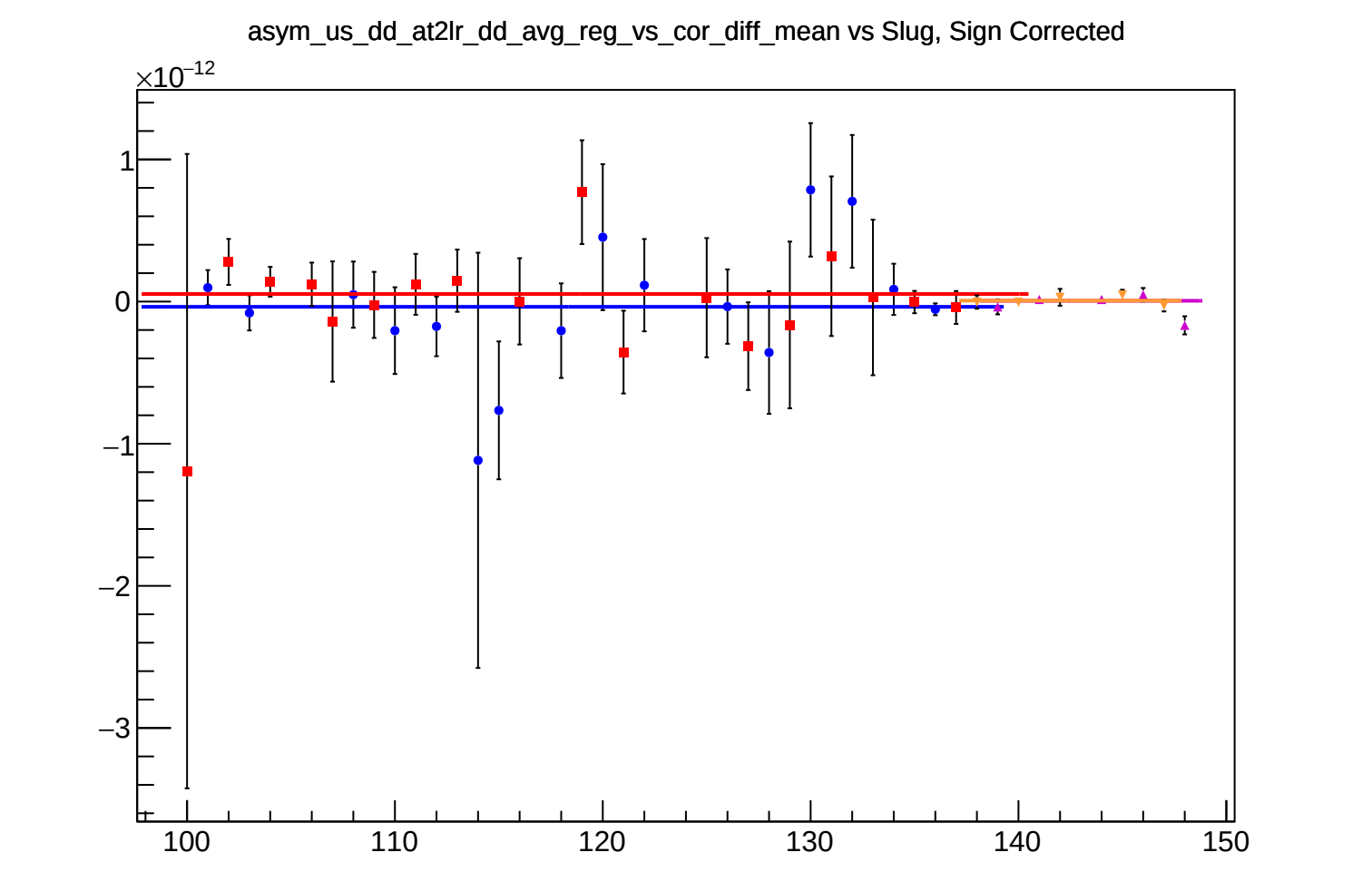
Left: 2640.657+/-0.657 χ^2/NDF: 14527.0/9

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2971.005+/-0.626 χ^2/NDF:622251.9/20

Out: 2951.724+/-0.644 χ^2/NDF:692176.0/22

All: 2961.642+/-0.449 χ^2/NDF: 1314888.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/4

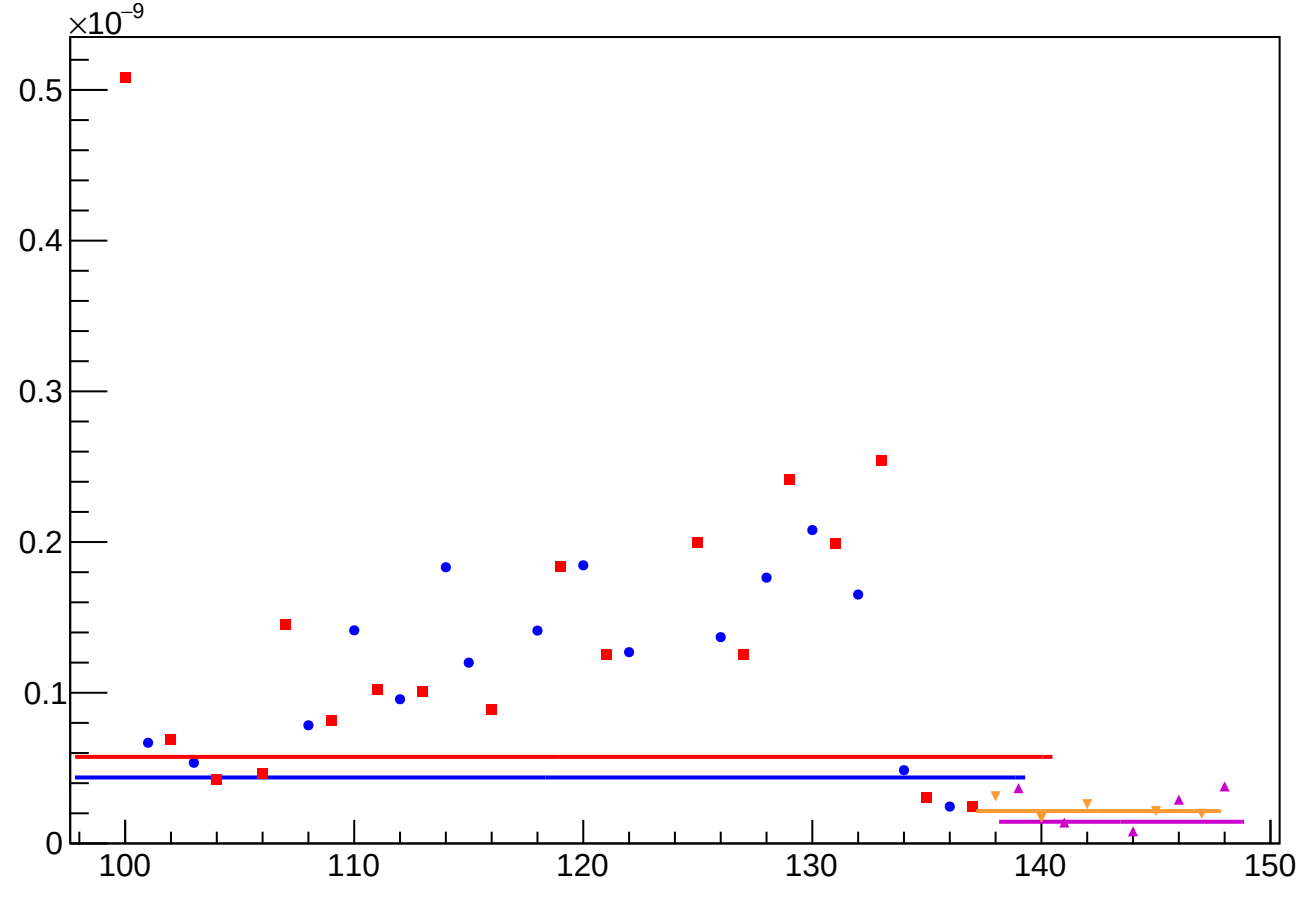
Left: 0.000+/-0.000 χ^2/NDF: 11.3/9

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:23.6/20

Out: 0.000+/-0.000 χ^2/NDF:15.7/22

All: 0.000+/-0.000 χ^2/NDF: 39.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:146793.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1062020.5/4

Left: 0.000+/-0.000 χ^2/NDF: 1404245.0/9

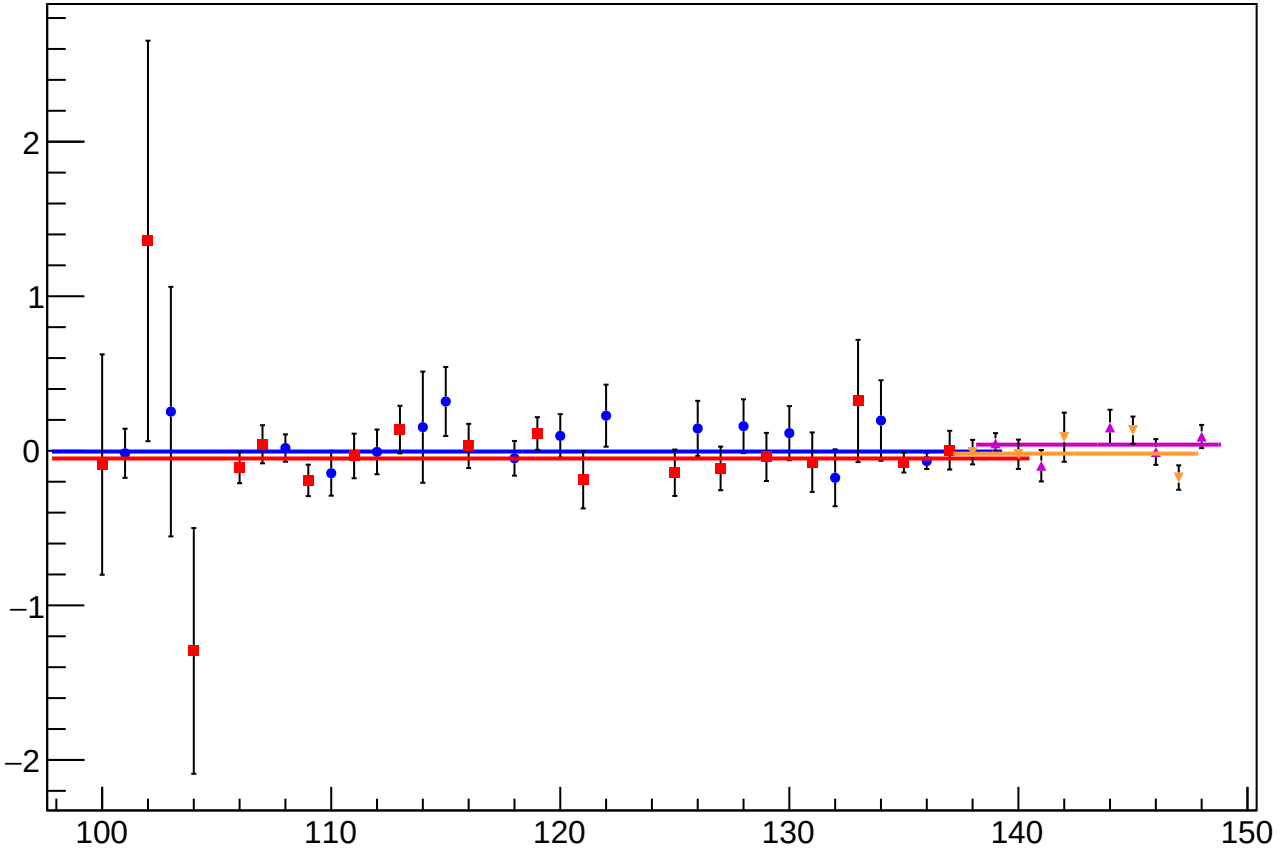
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4551330.5/20

Out: 0.000+/-0.000 χ^2/NDF:3405625.9/22

All: 0.000+/-0.000 χ^2/NDF: 8274779.1/43

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.040+/-0.037 χ^2/NDF:3.6/4

Left: 0.014+/-0.027 χ^2/NDF: 12.0/9

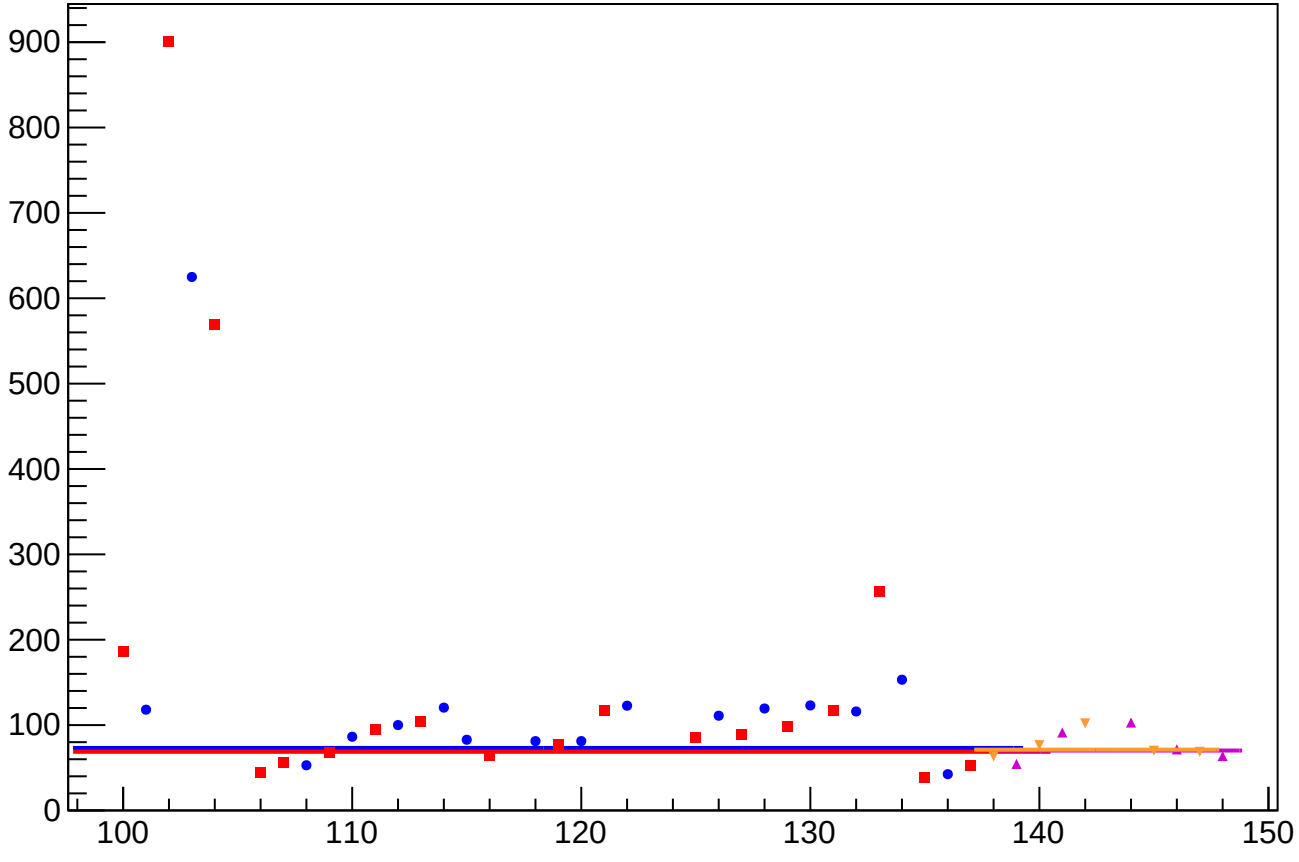
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.011+/-0.017 χ^2/NDF: 37.6/43

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: 71.200+/-0.029 χ^2/NDF:102792.1/4

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

Left: 70.643+/-0.019 χ^2/NDF: 485852.8/9

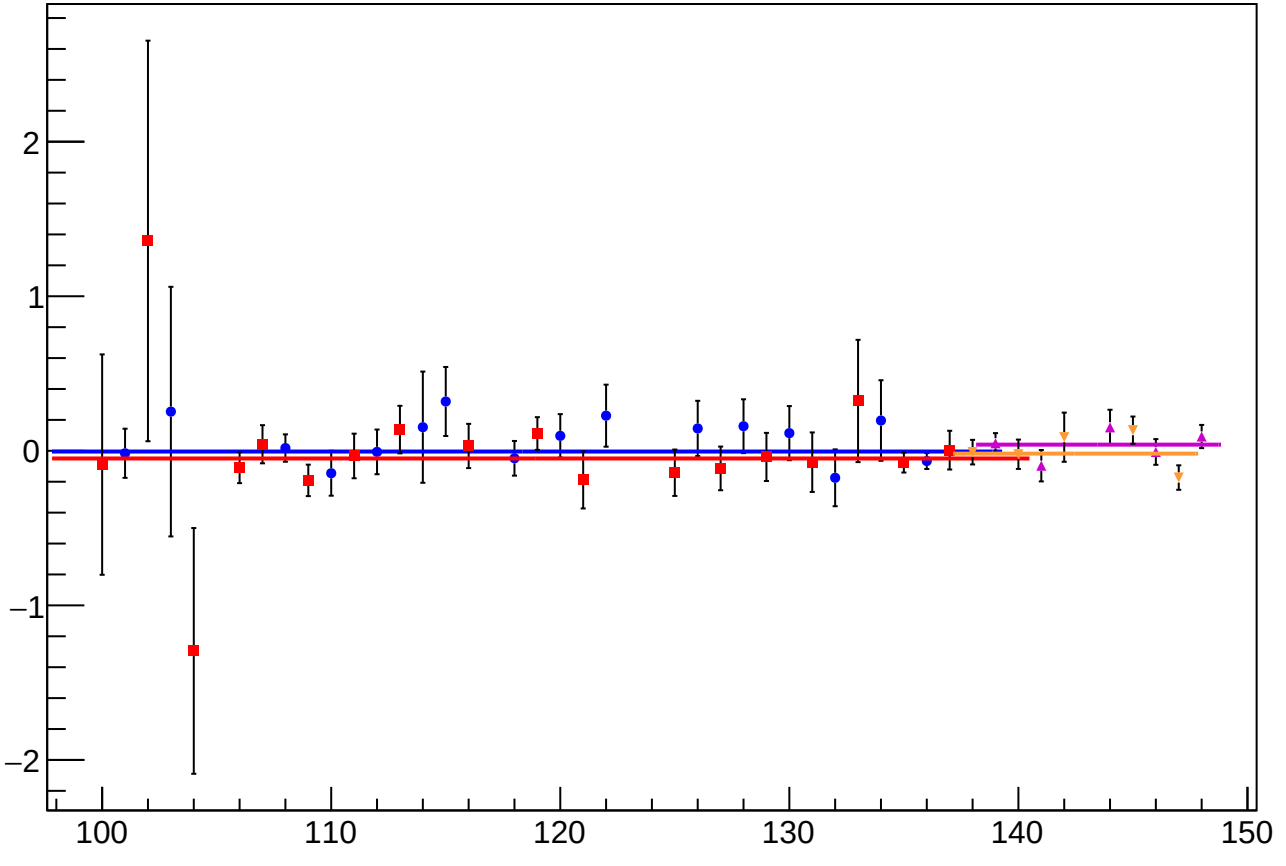
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.922+/-0.017 χ^2/NDF:3244689.0/20

Out: 69.651+/-0.018 χ^2/NDF:3439113.2/22

All: 70.820+/-0.012 χ^2/NDF: 6692273.0/43

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.040+/-0.037 χ^2/NDF:3.6/4

Left: 0.014+/-0.027 χ^2/NDF: 12.0/9

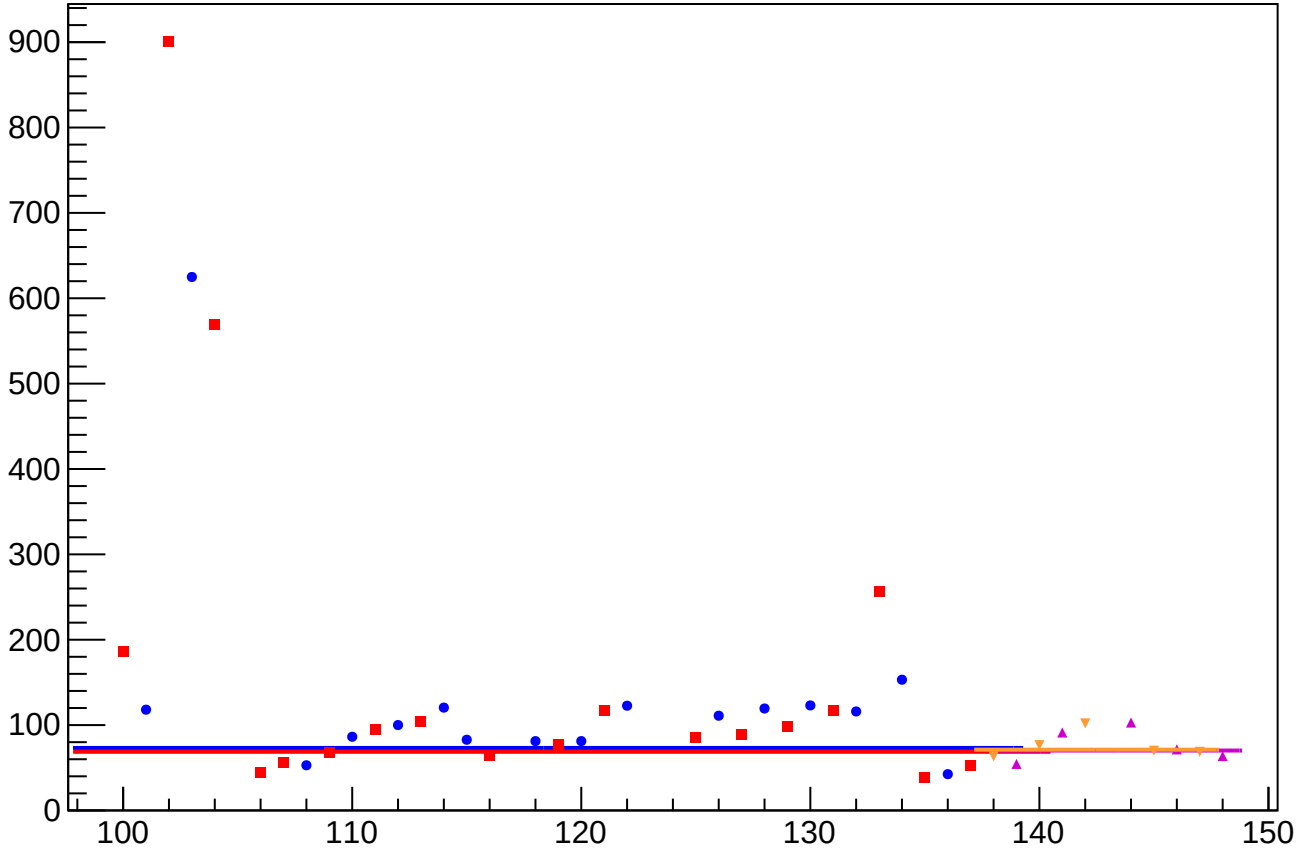
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.011+/-0.017 χ^2/NDF: 37.6/43

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: 71.200+/-0.029 χ^2/NDF:102792.1/4

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

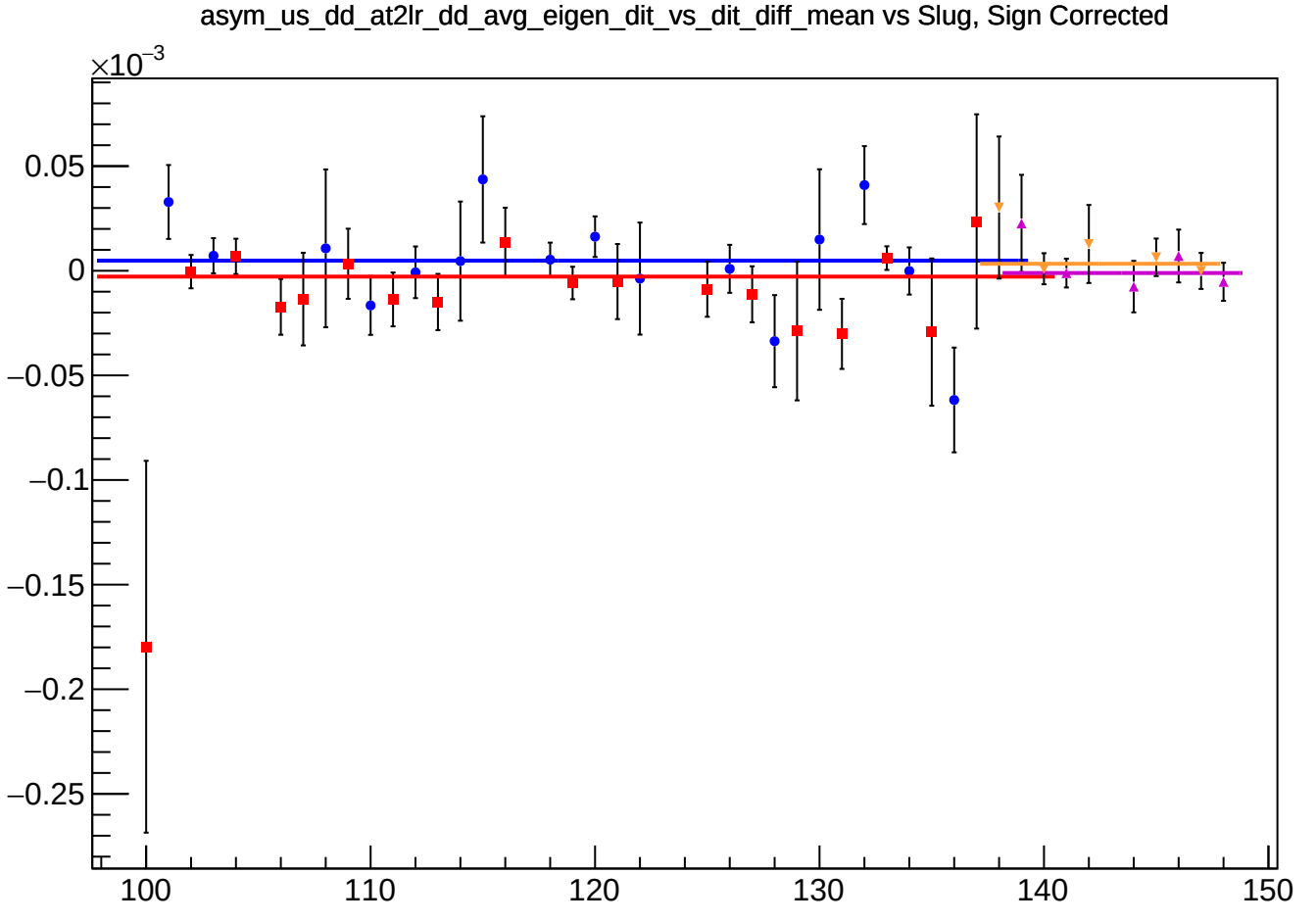
Left: 70.643+/-0.019 χ^2/NDF: 485852.8/9

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.922+/-0.017 χ^2/NDF:3244689.0/20

Out: 69.651+/-0.018 χ^2/NDF:3439113.2/22

All: 70.820+/-0.012 χ^2/NDF: 6692273.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

Left: 0.000+/-0.000 χ^2/NDF: 3.7/9

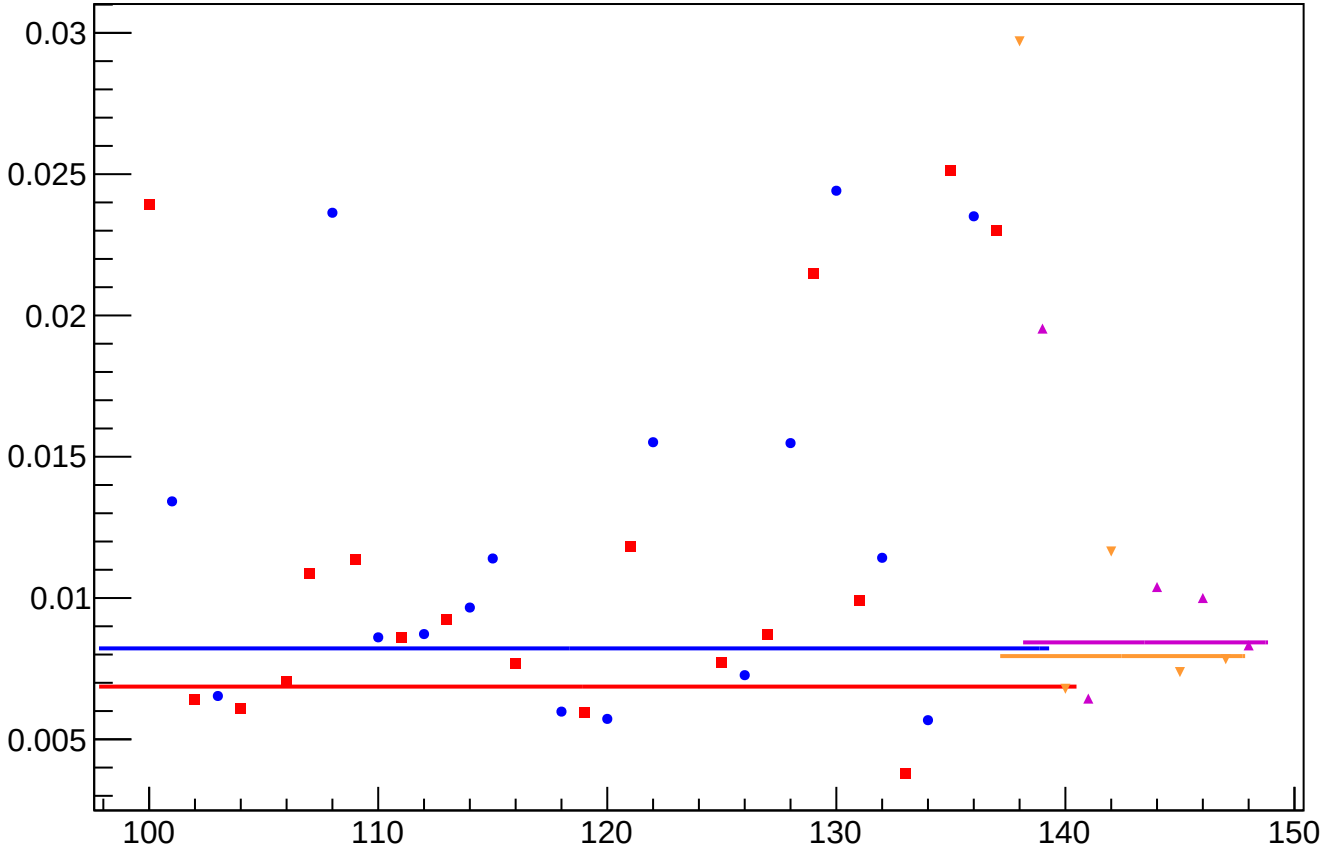
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:25.6/20

Out: -0.000+/-0.000 χ^2/NDF:19.3/22

All: 0.000+/-0.000 χ^2/NDF: 46.0/43

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:957739.9/4

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:706473.2/4

Left: 0.008+/-0.000 χ^2/NDF: 1675474.7/9

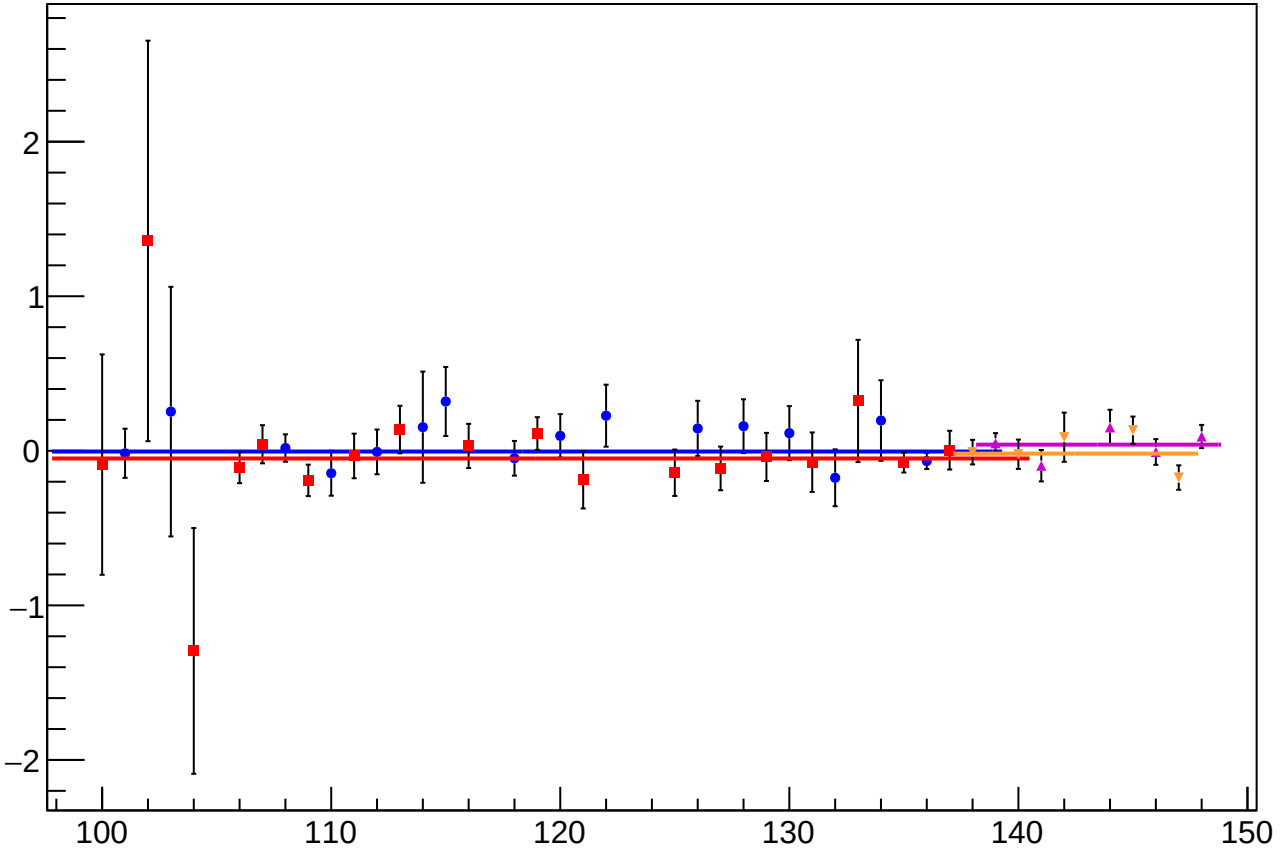
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3365372.9/20

Out: 0.007+/-0.000 χ^2/NDF:3464684.0/22

All: 0.008+/-0.000 χ^2/NDF: 7019629.6/43

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.040+/-0.037 χ^2/NDF:3.6/4

Left: 0.014+/-0.027 χ^2/NDF: 12.0/9

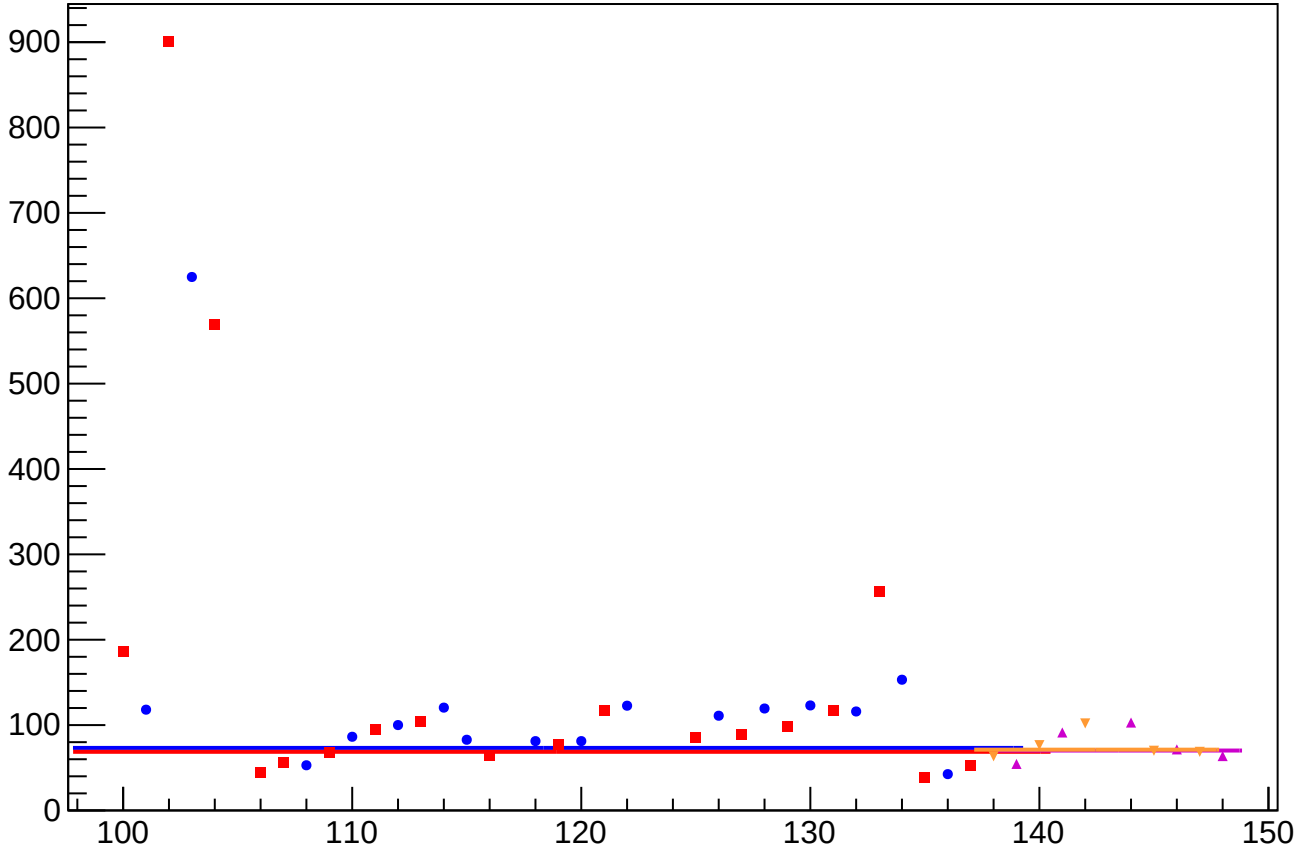
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.011+/-0.017 χ^2/NDF: 37.6/43

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: 71.201+/-0.029 χ^2/NDF:102795.6/4

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

Left: 70.646+/-0.019 χ^2/NDF: 485637.4/9

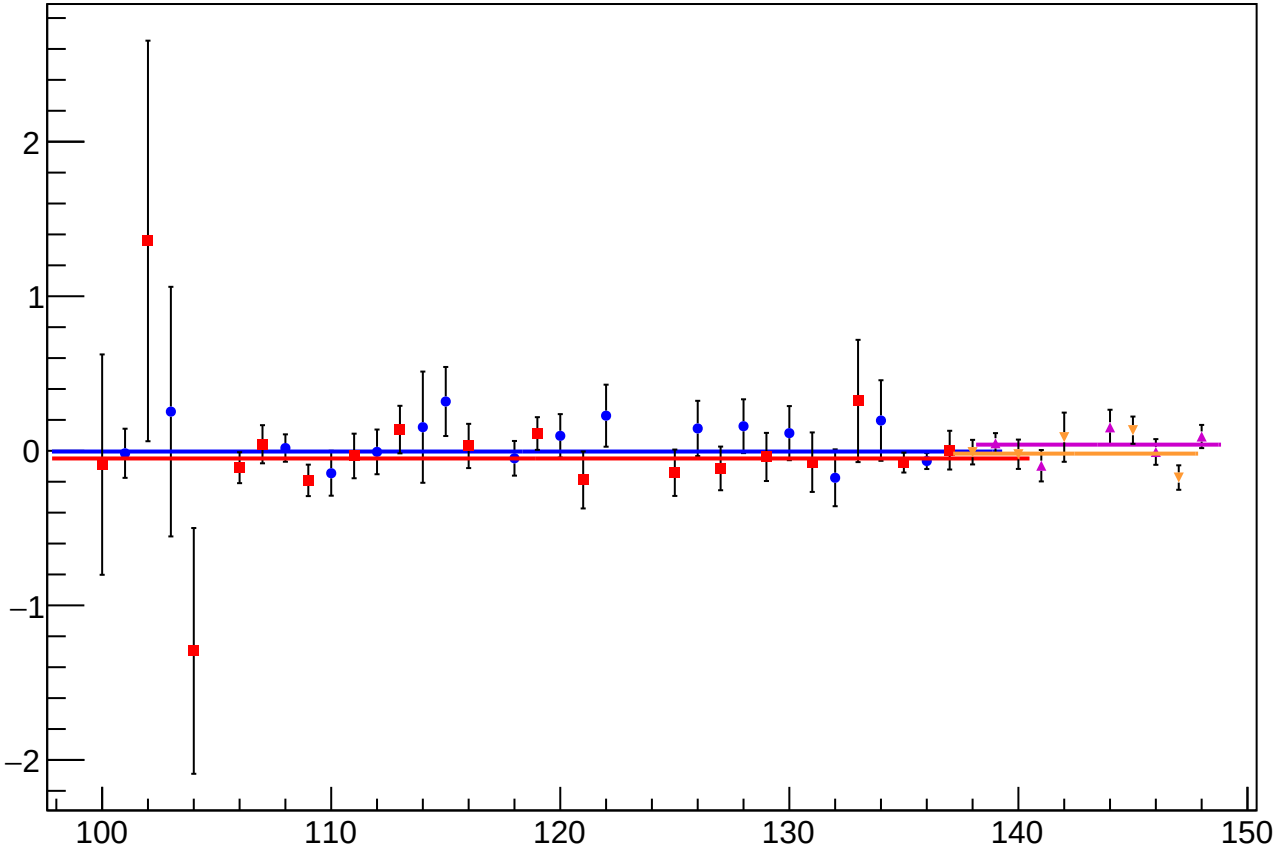
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.938+/-0.017 χ^2/NDF:3242284.1/20

Out: 69.644+/-0.018 χ^2/NDF:3440165.7/22

All: 70.825+/-0.012 χ^2/NDF: 6691086.1/43

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.040+/-0.037 χ^2/NDF:3.6/4

Left: 0.014+/-0.027 χ^2/NDF: 12.0/9

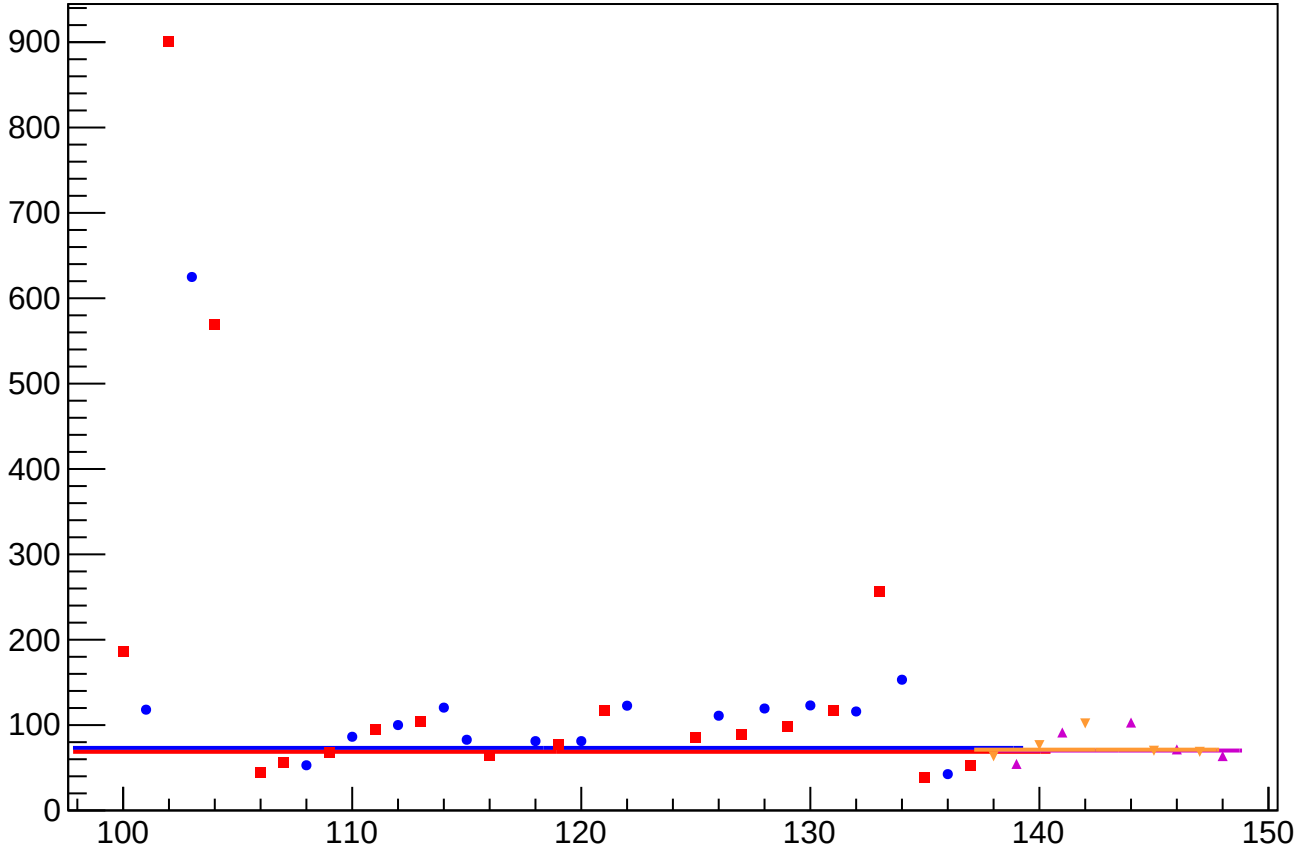
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.011+/-0.017 χ^2/NDF: 37.6/43

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: 71.201+/-0.029 χ^2/NDF:102795.6/4

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

Left: 70.646+/-0.019 χ^2/NDF: 485637.4/9

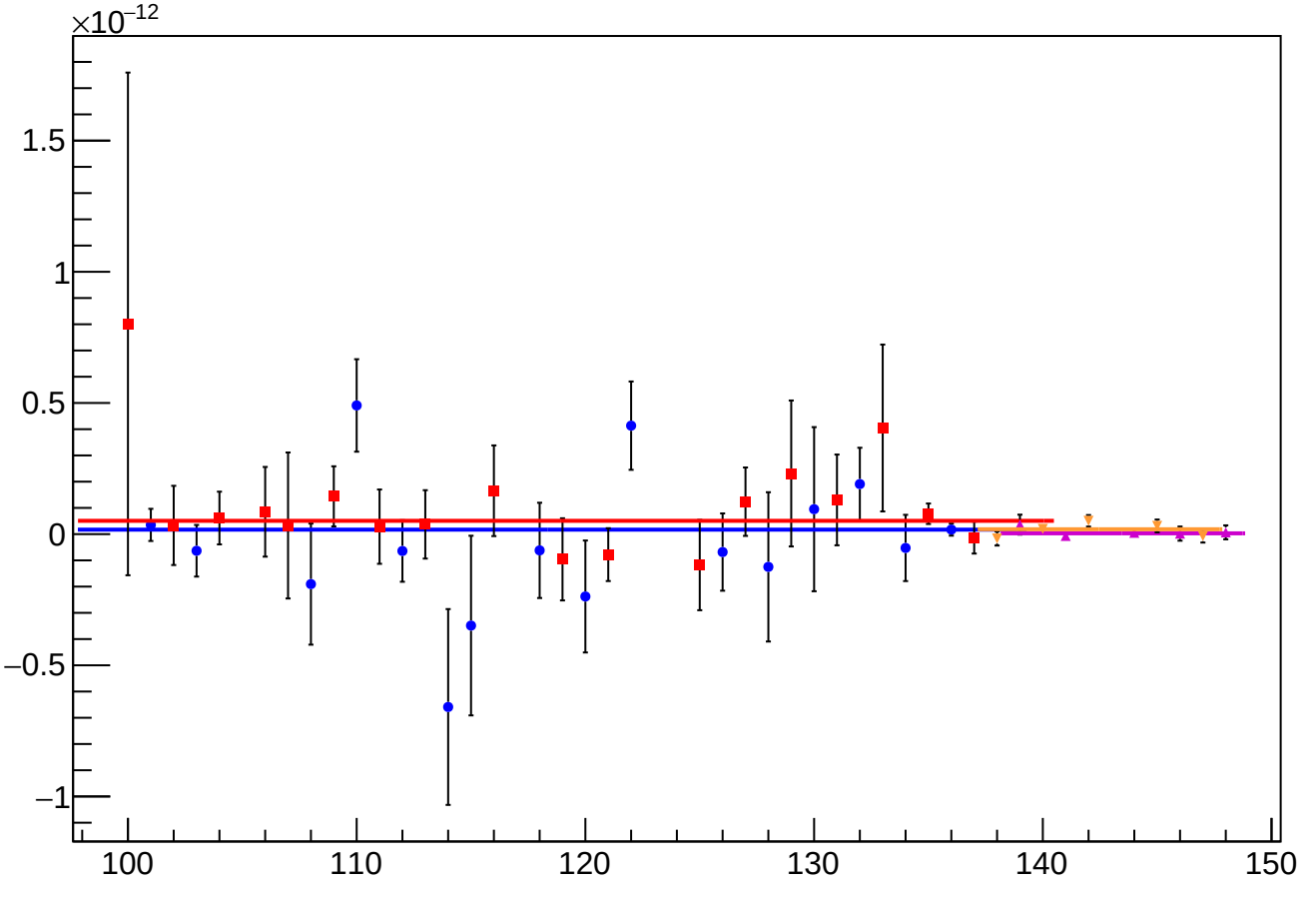
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.938+/-0.017 χ^2/NDF:3242284.1/20

Out: 69.644+/-0.018 χ^2/NDF:3440165.7/22

All: 70.825+/-0.012 χ^2/NDF: 6691086.1/43

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:5.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

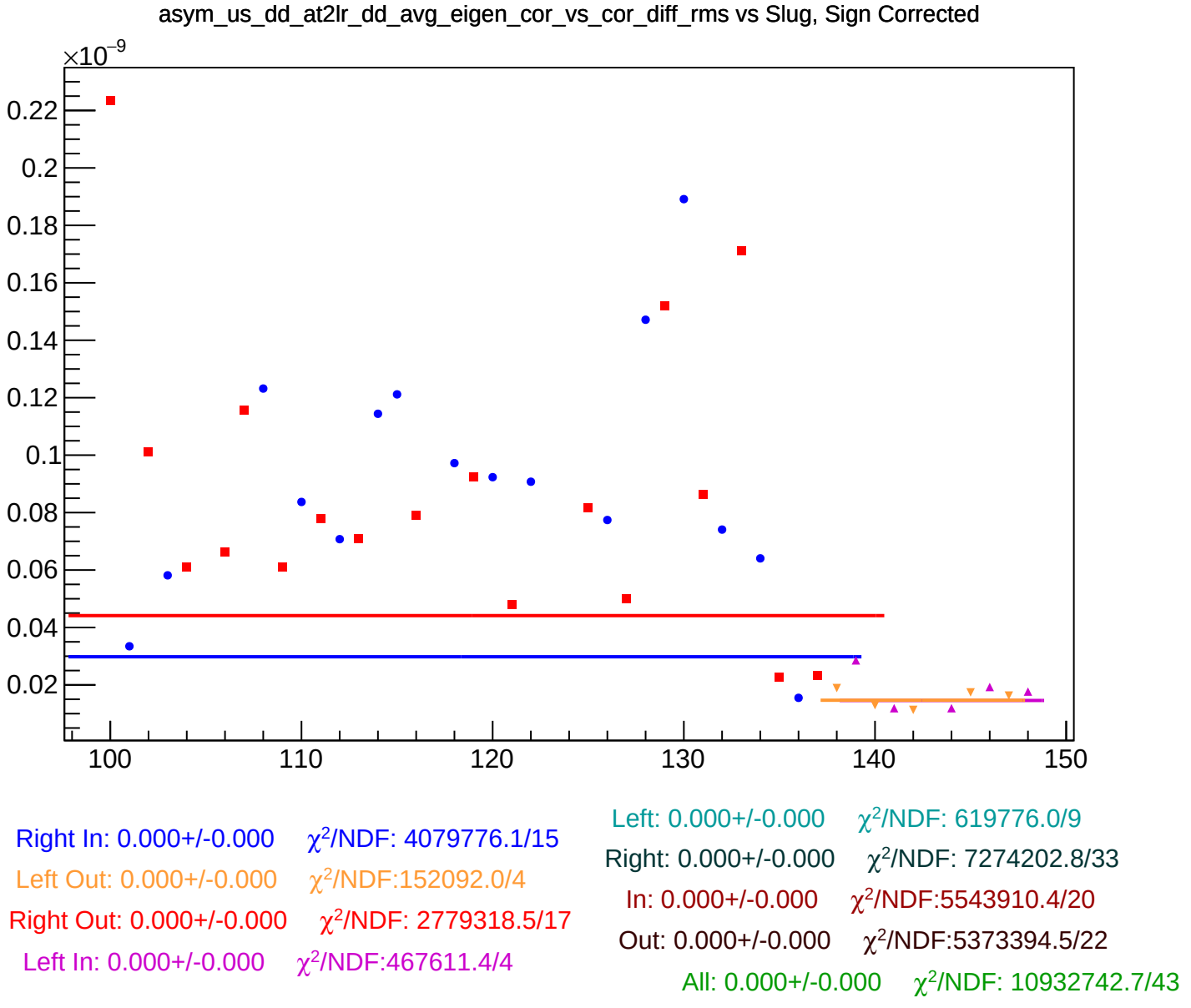
Left: 0.000+/-0.000 χ^2/NDF: 7.7/9

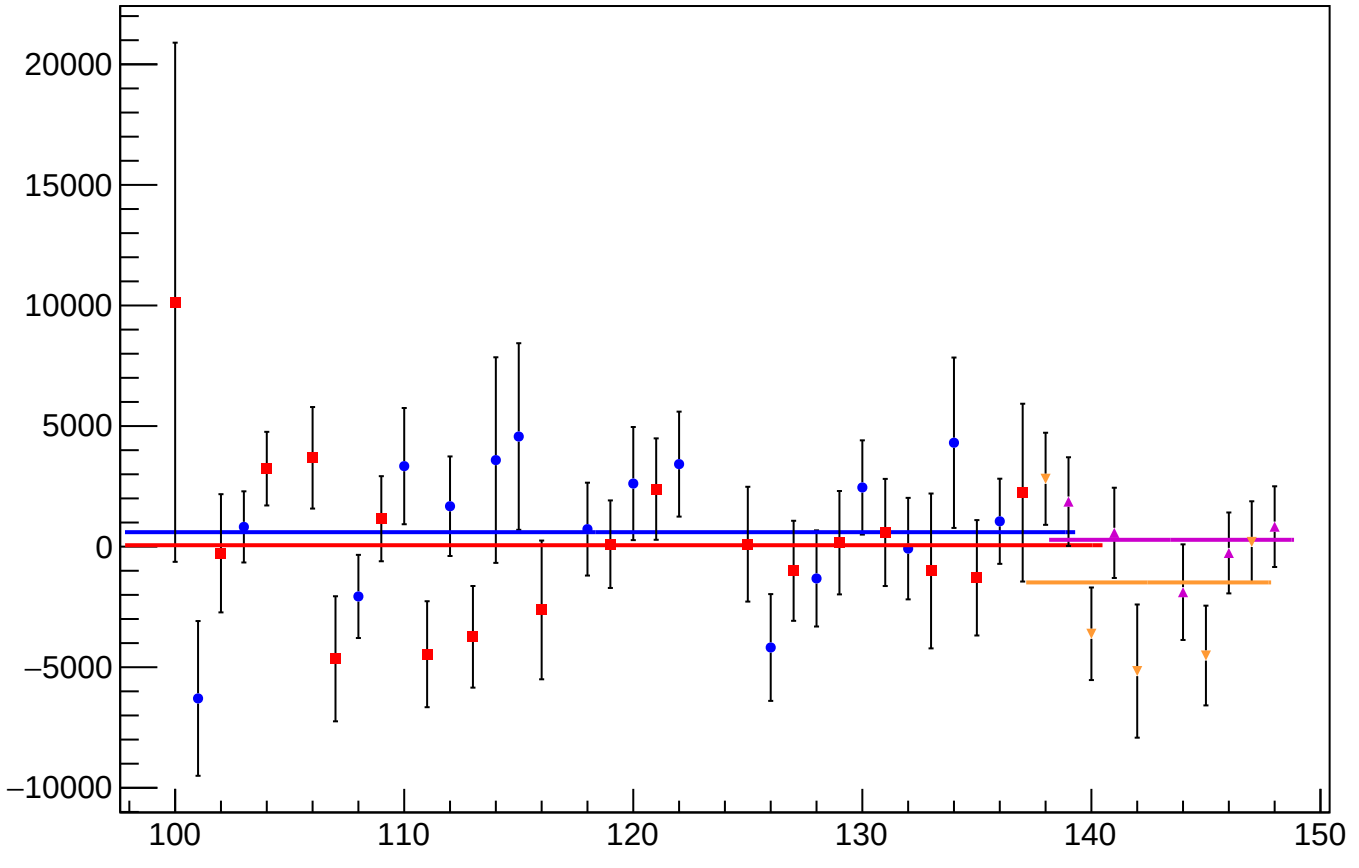
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:24.9/20

Out: 0.000+/-0.000 χ^2/NDF:15.8/22

All: 0.000+/-0.000 χ^2/NDF: 42.6/43


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:152092.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:467611.4/4
Left: 0.000+/-0.000 χ²/NDF: 619776.0/9
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5543910.4/20
Out: 0.000+/-0.000 χ²/NDF:5373394.5/22
All: 0.000+/-0.000 χ²/NDF: 10932742.7/43



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1483.845+/-890.110 χ^2/NDF:11.2/4

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 283.498+/-803.644 χ^2/NDF:2.2/4

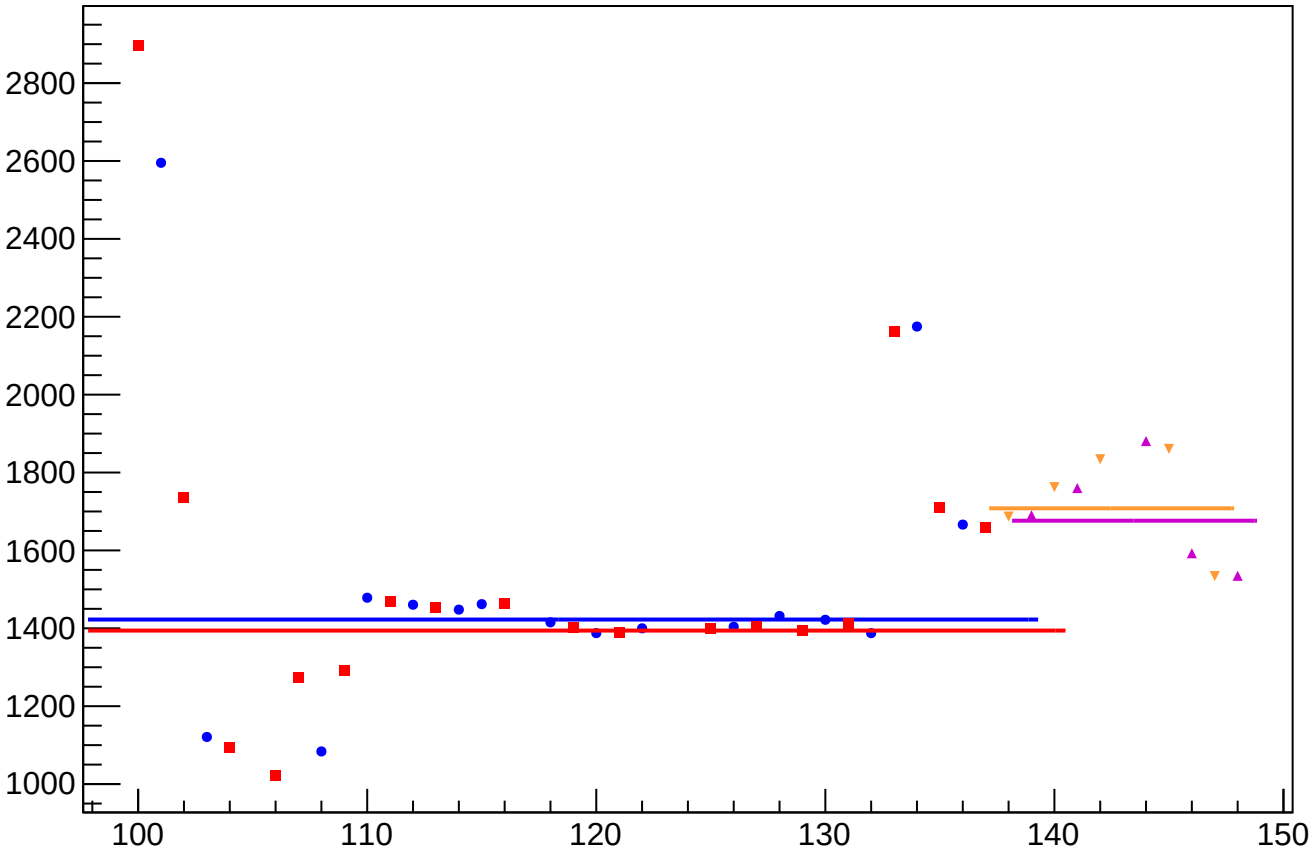
Left: -510.186+/-596.495 χ^2/NDF: 15.6/9

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 501.637+/-448.244 χ^2/NDF:22.6/20

Out: -344.992+/-455.517 χ^2/NDF:36.0/22

All: 85.136+/-319.497 χ^2/NDF: 60.3/43



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

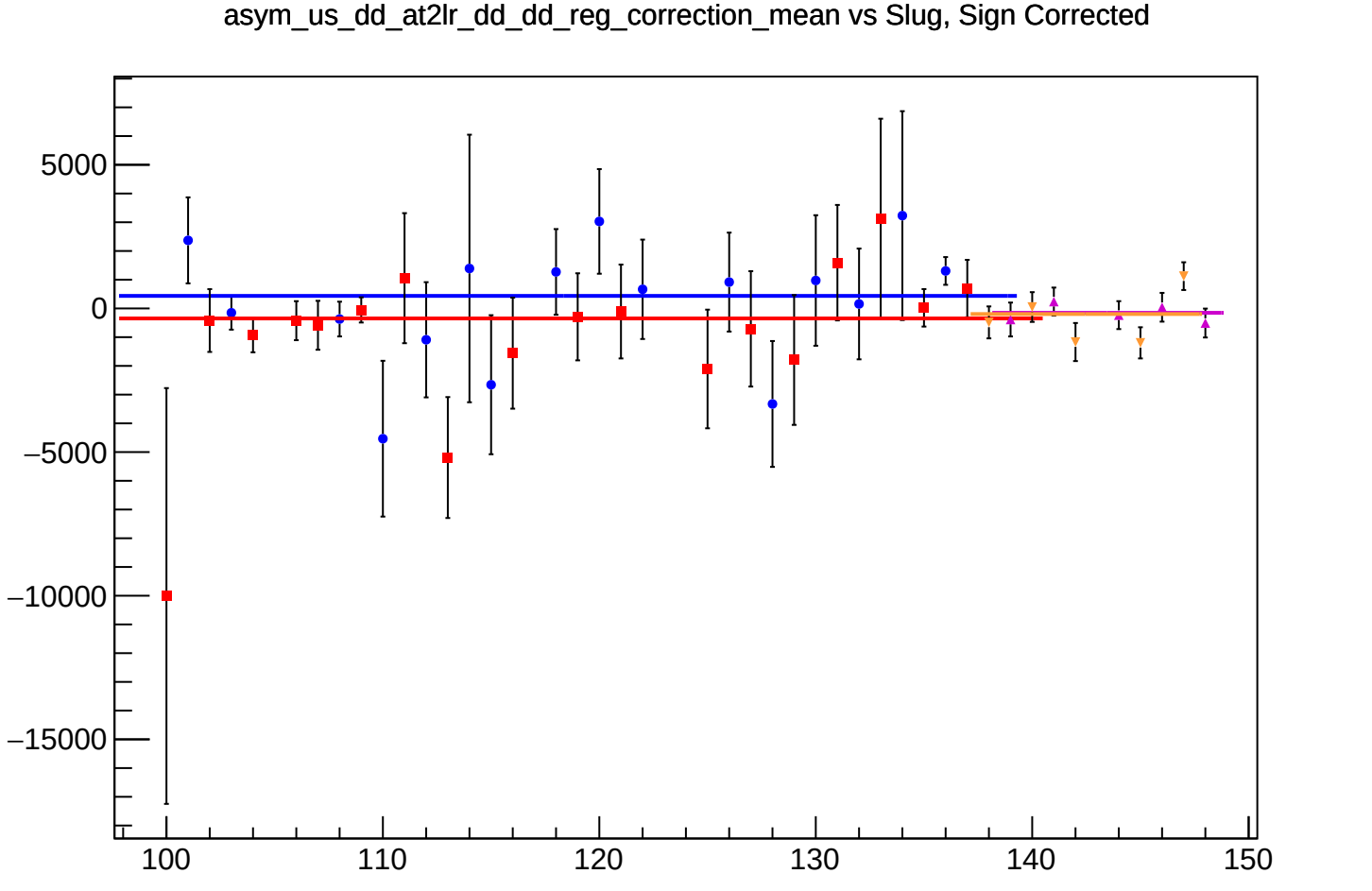
Left: 1690.584+/-0.422 χ^2/NDF: 84284.6/9

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1501.469+/-0.317 χ^2/NDF:742354.8/20

Out: 1476.386+/-0.322 χ^2/NDF:615479.6/22

All: 1489.129+/-0.226 χ^2/NDF: 1360915.3/43



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -194.765+/-243.042 χ^2/NDF:13.5/4

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -152.481+/-227.831 χ^2/NDF:1.5/4

Left: -172.258+/-166.218 χ^2/NDF: 15.0/9

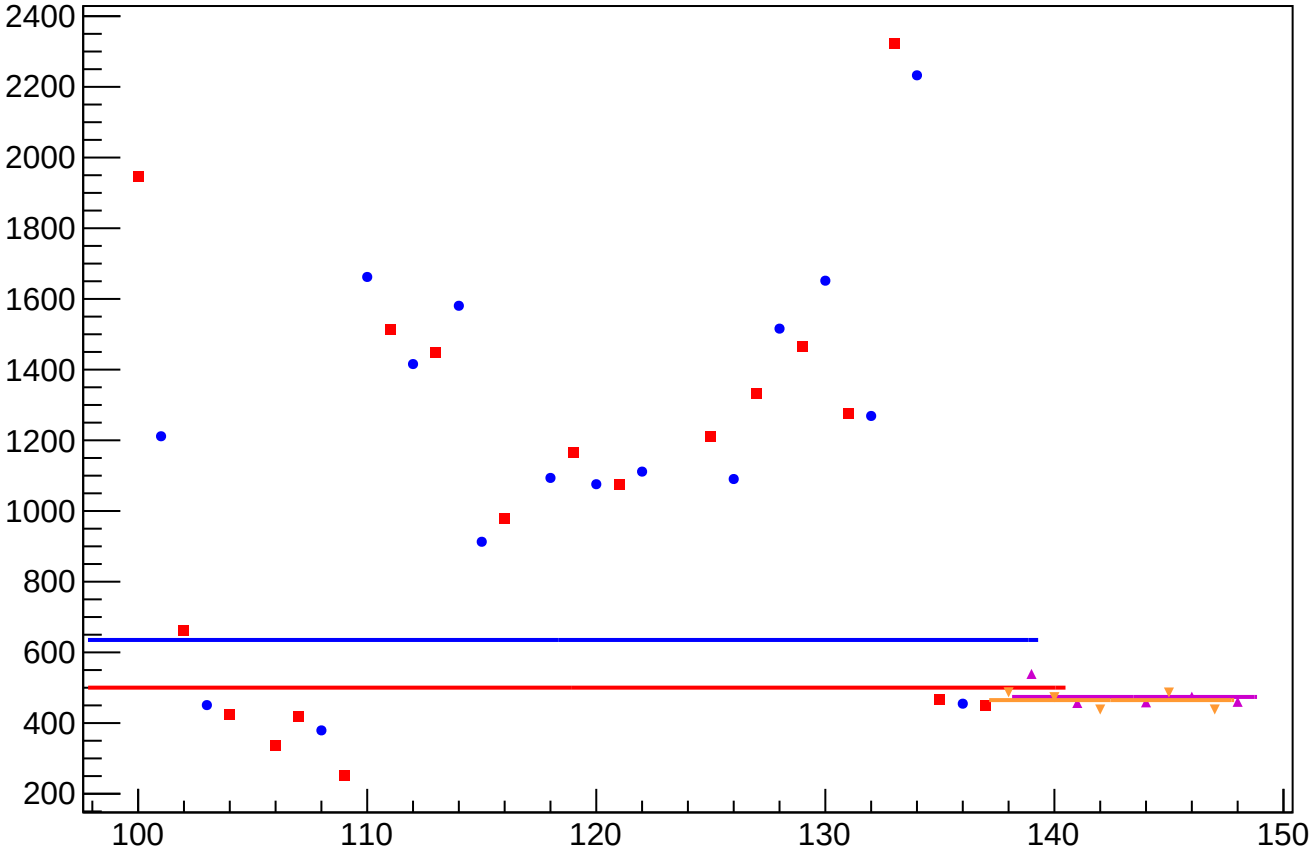
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 86.299+/-175.680 χ^2/NDF:23.5/20

Out: -274.664+/-168.473 χ^2/NDF:27.7/22

All: -101.738+/-121.597 χ^2/NDF: 53.4/43

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: 464.976+/-0.172 χ^2/NDF:16042.1/4

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 473.929+/-0.161 χ^2/NDF:30326.5/4

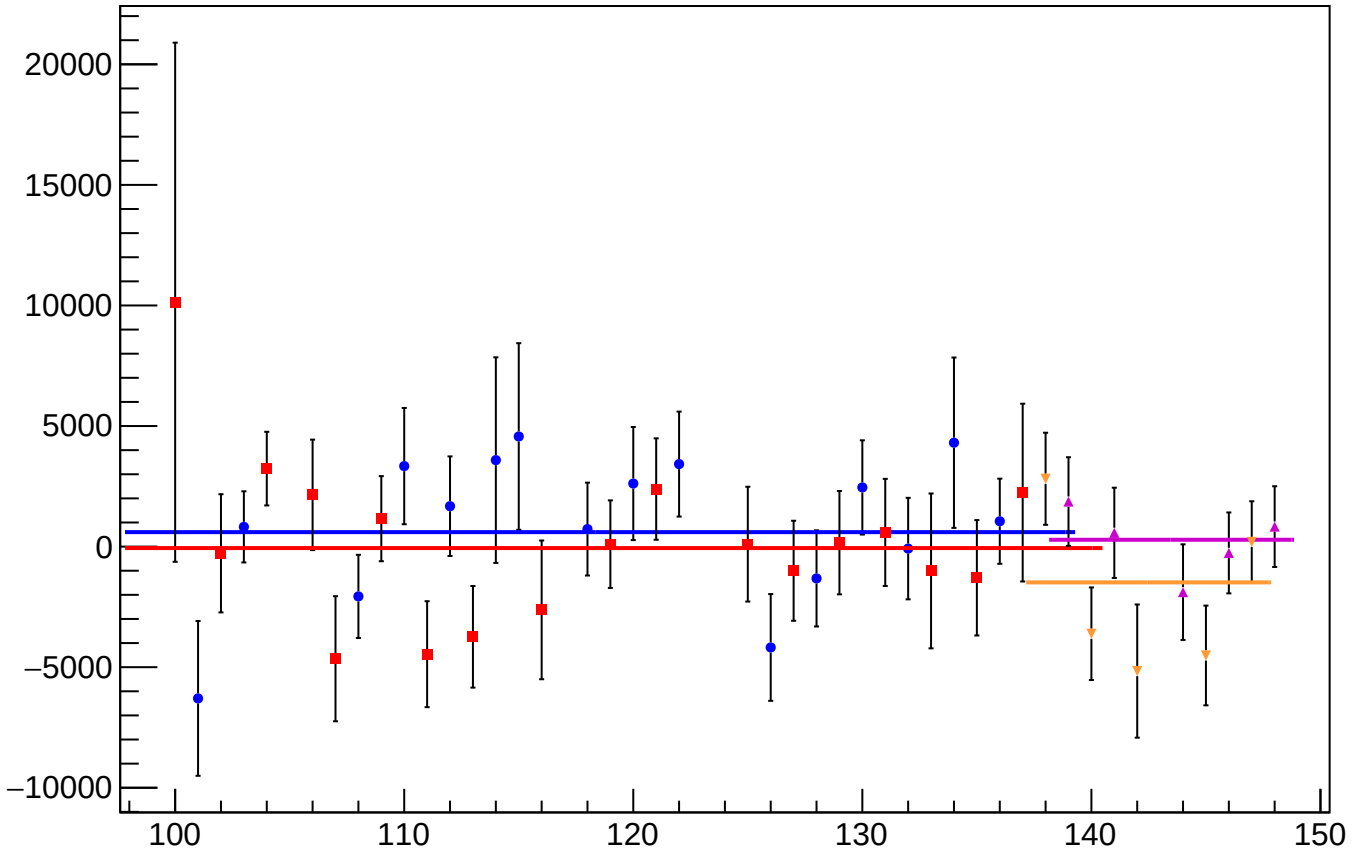
Left: 469.741+/-0.118 χ^2/NDF: 47813.0/9

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 539.283+/-0.124 χ^2/NDF:4188846.2/20

Out: 483.291+/-0.119 χ^2/NDF:4346997.2/22

All: 510.115+/-0.086 χ^2/NDF: 8641674.1/43



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1484.001+/-890.110 χ^2/NDF:11.2/4

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 283.648+/-803.644 χ^2/NDF:2.2/4

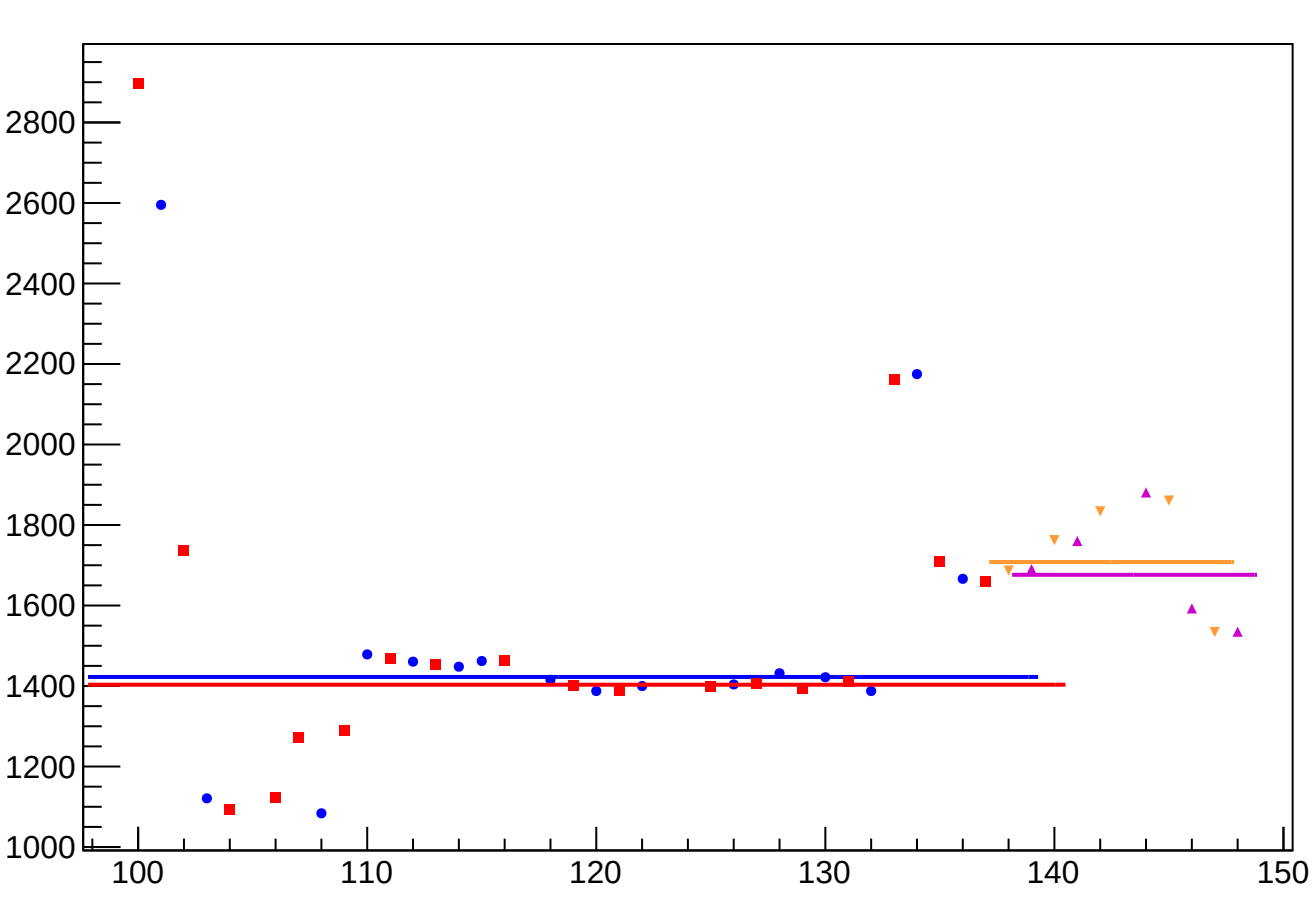
Left: -510.173+/-596.495 χ^2/NDF: 15.6/9

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 501.596+/-448.244 χ^2/NDF:22.6/20

Out: -435.921+/-457.176 χ^2/NDF:33.5/22

All: 42.085+/-320.067 χ^2/NDF: 58.2/43



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

Left: 1690.584+/-0.422 χ^2/NDF: 84284.6/9

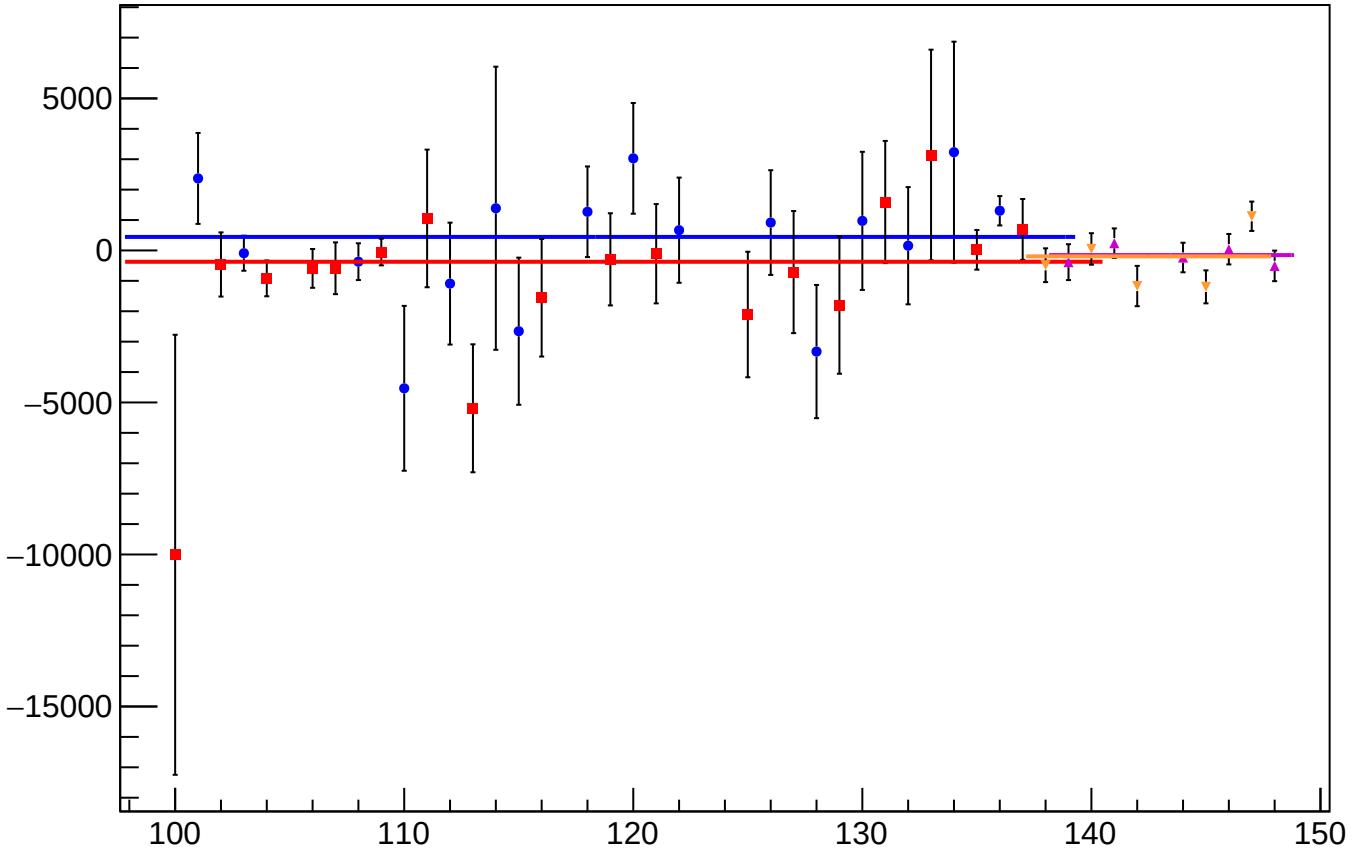
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1501.469+/-0.317 χ^2/NDF:742355.1/20

Out: 1483.648+/-0.323 χ^2/NDF:570045.6/22

All: 1492.734+/-0.226 χ^2/NDF: 1313950.2/43

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -152.546+/-227.828 χ^2/NDF:1.5/4

Left: -172.339+/-166.220 χ^2/NDF: 15.0/9

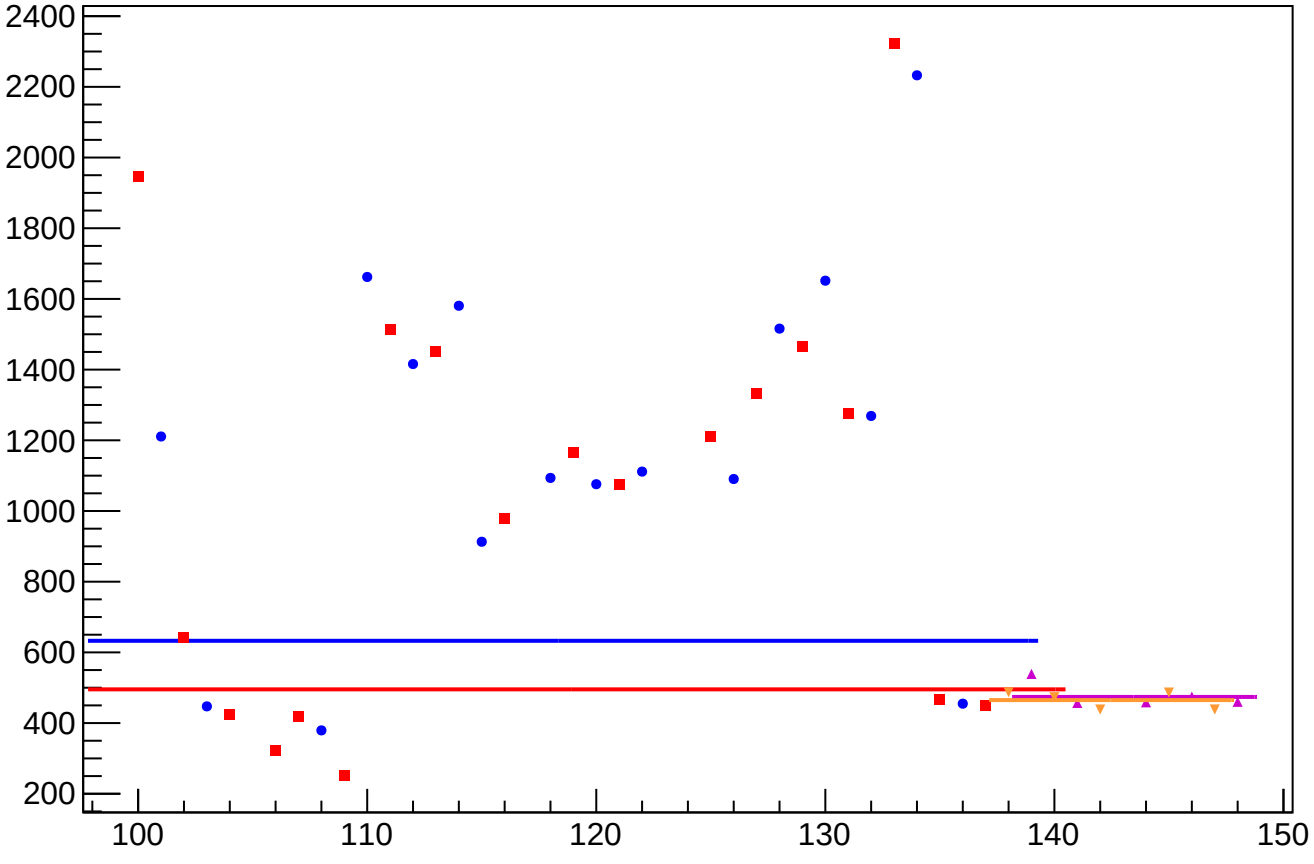
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 90.984+/-175.373 χ^2/NDF:23.5/20

Out: -288.080+/-167.574 χ^2/NDF:27.8/22

All: -107.164+/-121.156 χ^2/NDF: 53.7/43

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: 464.995+/-0.172 χ^2/NDF:16031.3/4

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

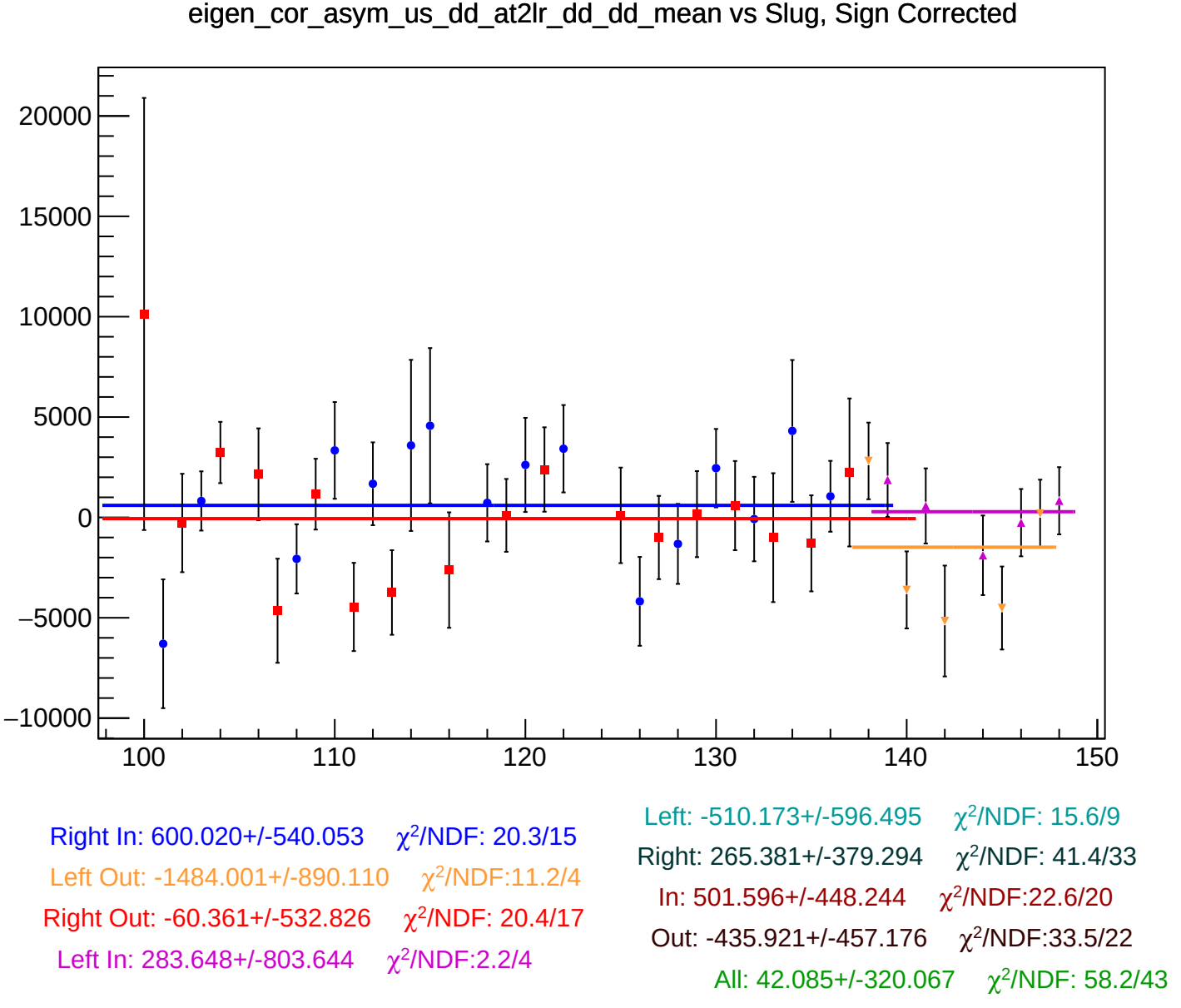
Left: 469.748+/-0.118 χ^2/NDF: 47794.4/9

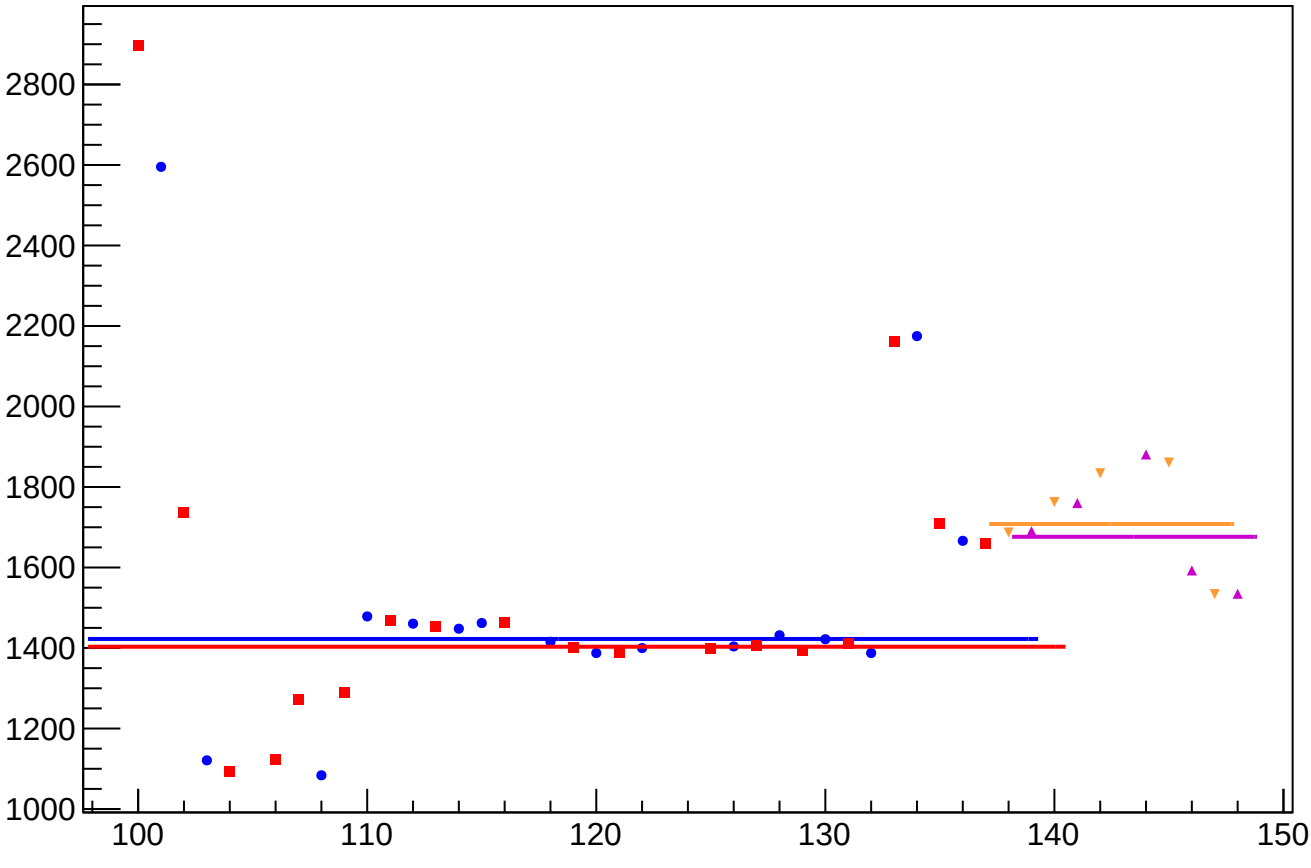
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.641+/-0.124 χ^2/NDF:4194126.7/20

Out: 480.937+/-0.118 χ^2/NDF:4369914.6/22

All: 508.477+/-0.086 χ^2/NDF: 8677229.2/43


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -1484.001+/-890.110 χ²/NDF:11.2/4
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 283.648+/-803.644 χ²/NDF:2.2/4
Left: -510.173+/-596.495 χ²/NDF: 15.6/9
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 501.596+/-448.244 χ²/NDF:22.6/20
Out: -435.921+/-457.176 χ²/NDF:33.5/22
All: 42.085+/-320.067 χ²/NDF: 58.2/43



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

Left: 1690.584+/-0.422 χ^2/NDF: 84284.6/9

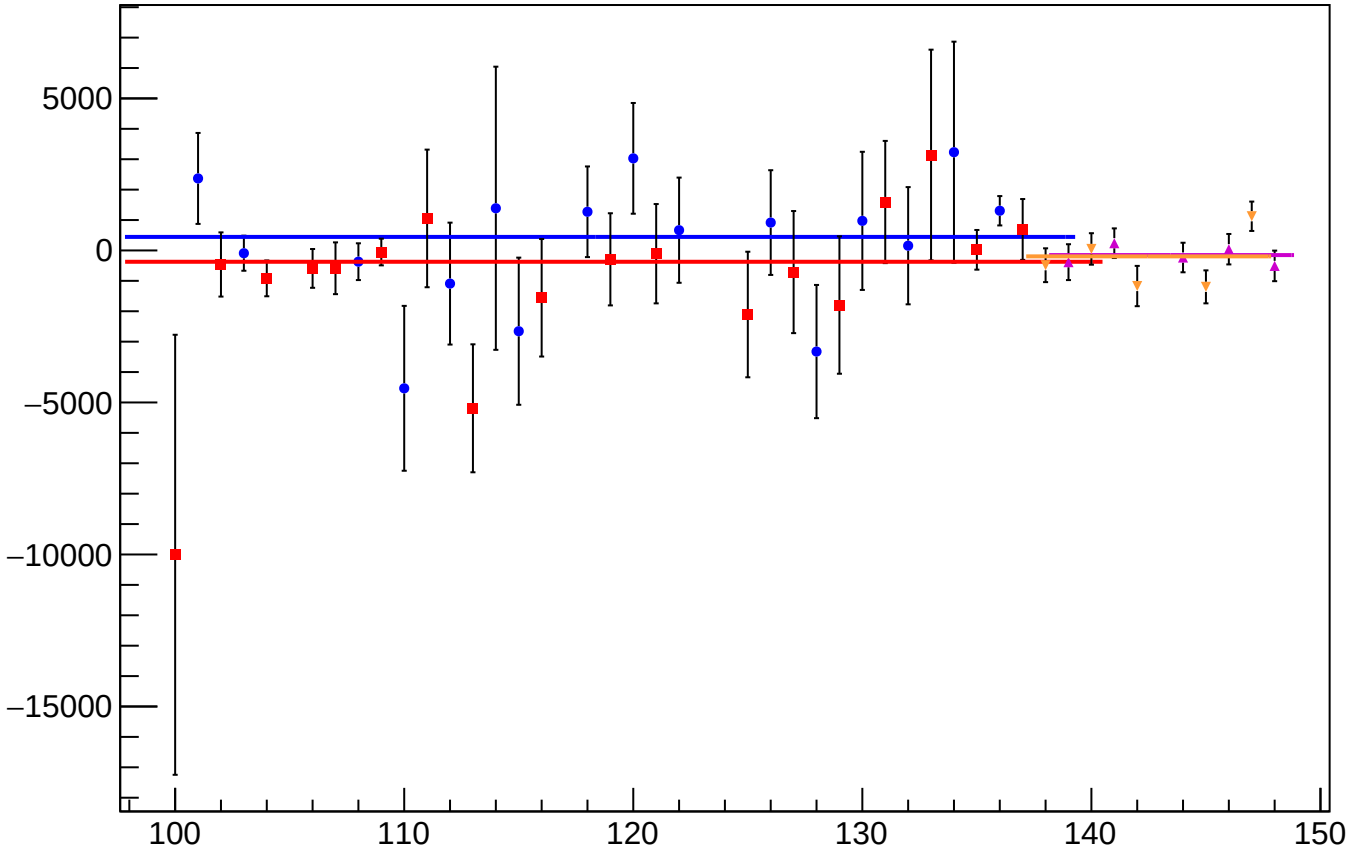
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1501.469+/-0.317 χ^2/NDF:742355.1/20

Out: 1483.648+/-0.323 χ^2/NDF:570045.6/22

All: 1492.734+/-0.226 χ^2/NDF: 1313950.2/43

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -152.546+/-227.828 χ^2/NDF:1.5/4

Left: -172.339+/-166.220 χ^2/NDF: 15.0/9

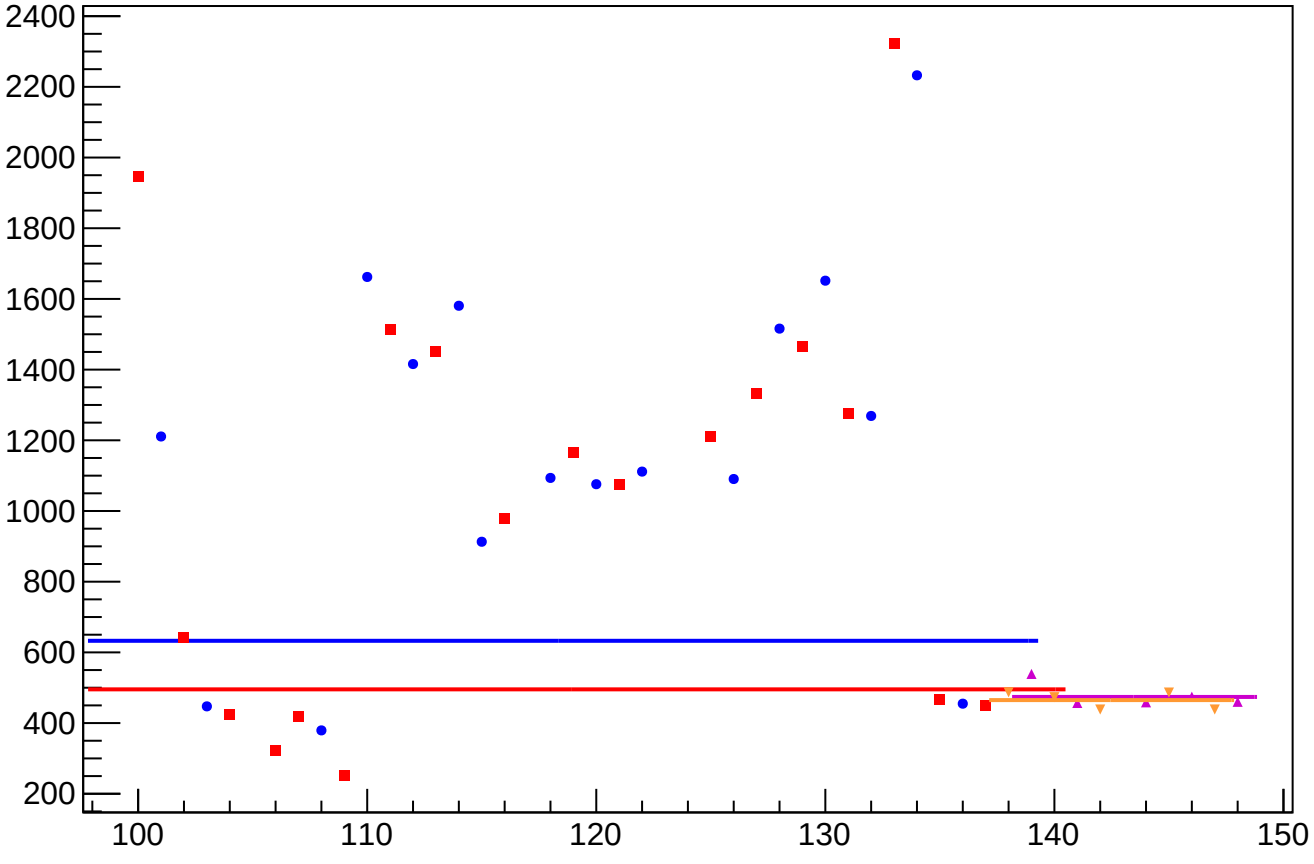
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 90.984+/-175.373 χ^2/NDF:23.5/20

Out: -288.080+/-167.574 χ^2/NDF:27.8/22

All: -107.164+/-121.156 χ^2/NDF: 53.7/43

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: 464.995+/-0.172 χ^2/NDF:16031.3/4

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

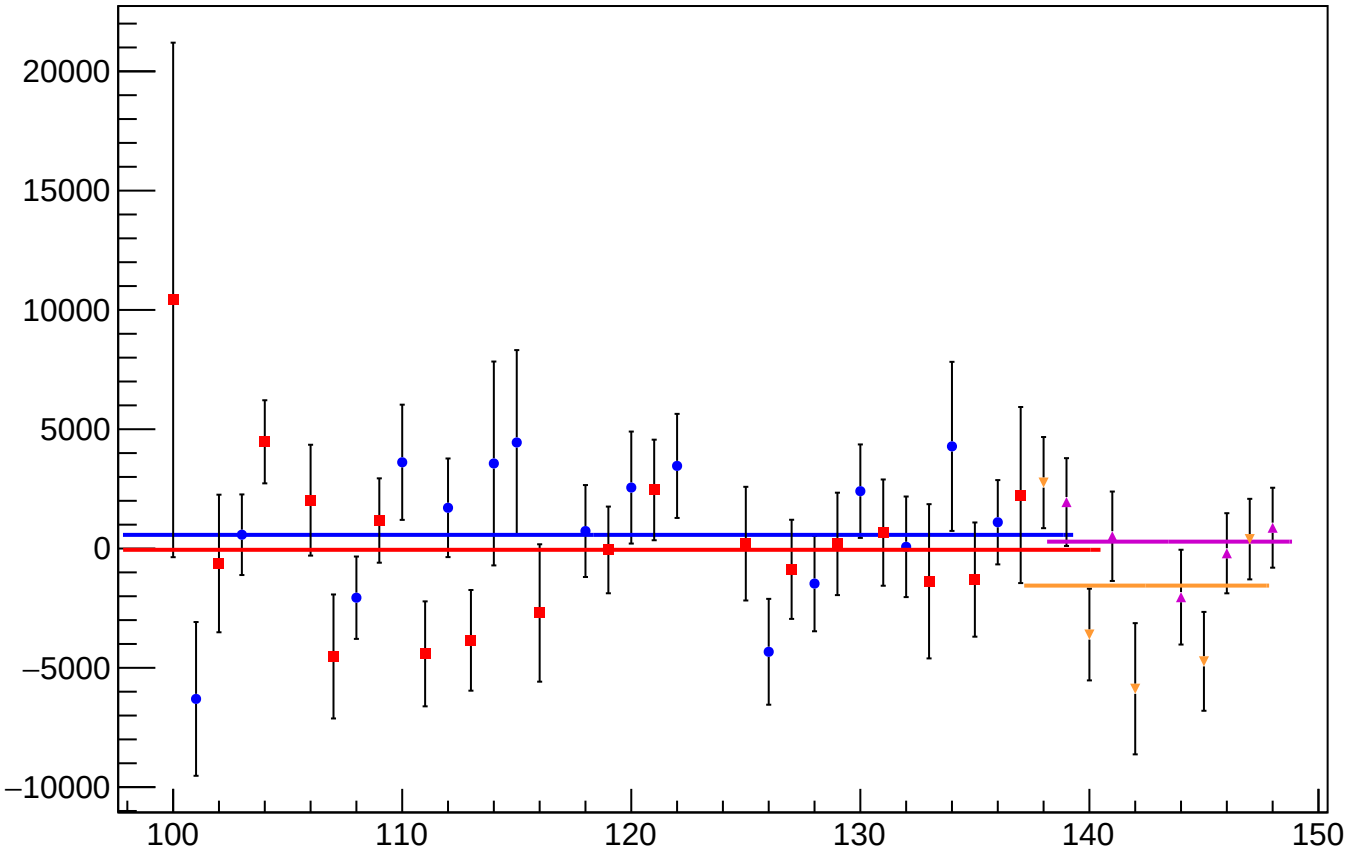
Left: 469.748+/-0.118 χ^2/NDF: 47794.4/9

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.641+/-0.124 χ^2/NDF:4194126.7/20

Out: 480.937+/-0.118 χ^2/NDF:4369914.6/22

All: 508.477+/-0.086 χ^2/NDF: 8677229.2/43



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1553.663+/-890.545 χ^2/NDF:12.4/4

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 288.417+/-804.634 χ^2/NDF:2.4/4

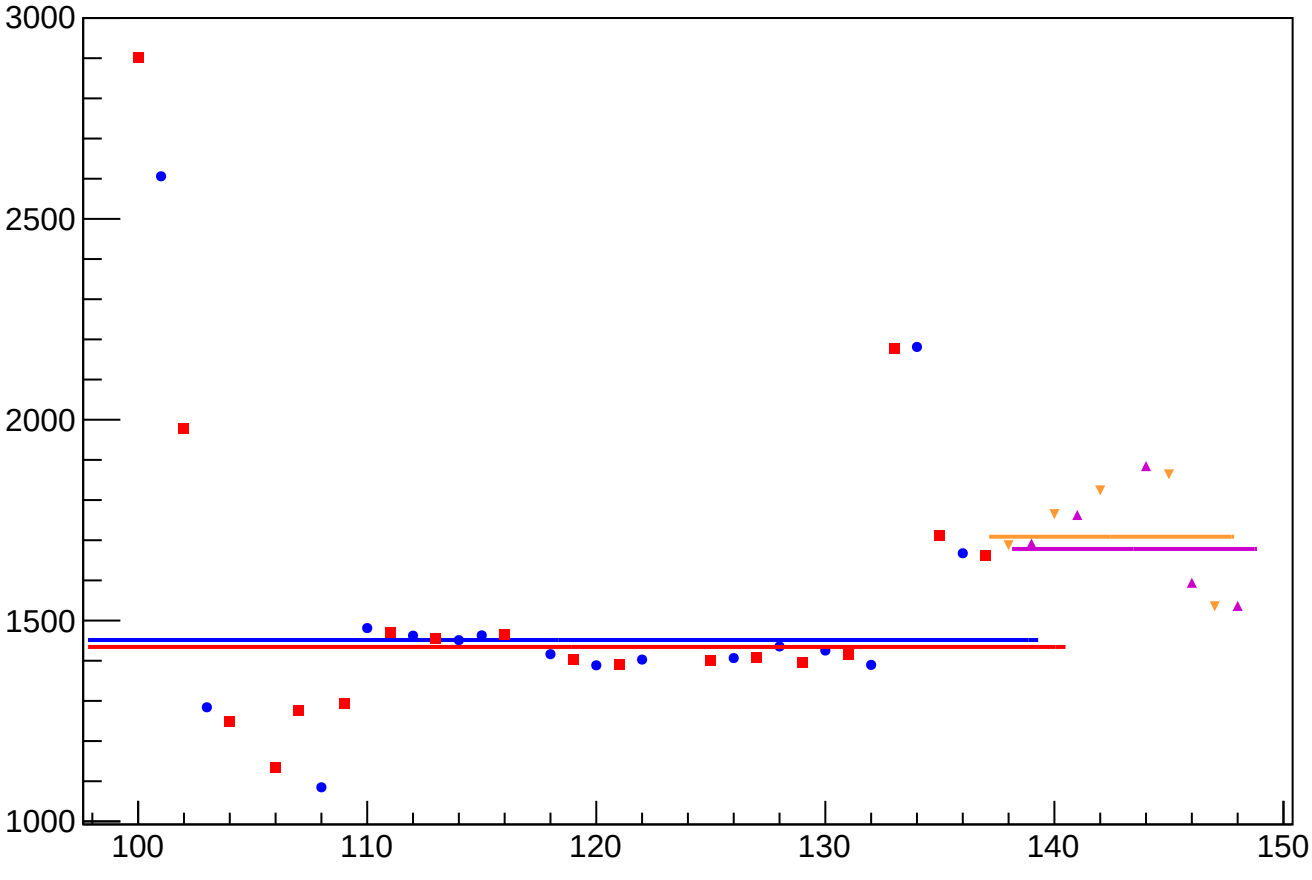
Left: -539.505+/-597.031 χ^2/NDF: 17.2/9

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 481.973+/-453.857 χ^2/NDF:23.3/20

Out: -462.828+/-465.077 χ^2/NDF:37.0/22

All: 21.107+/-324.819 χ^2/NDF: 62.4/43



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.1/4

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.4/4

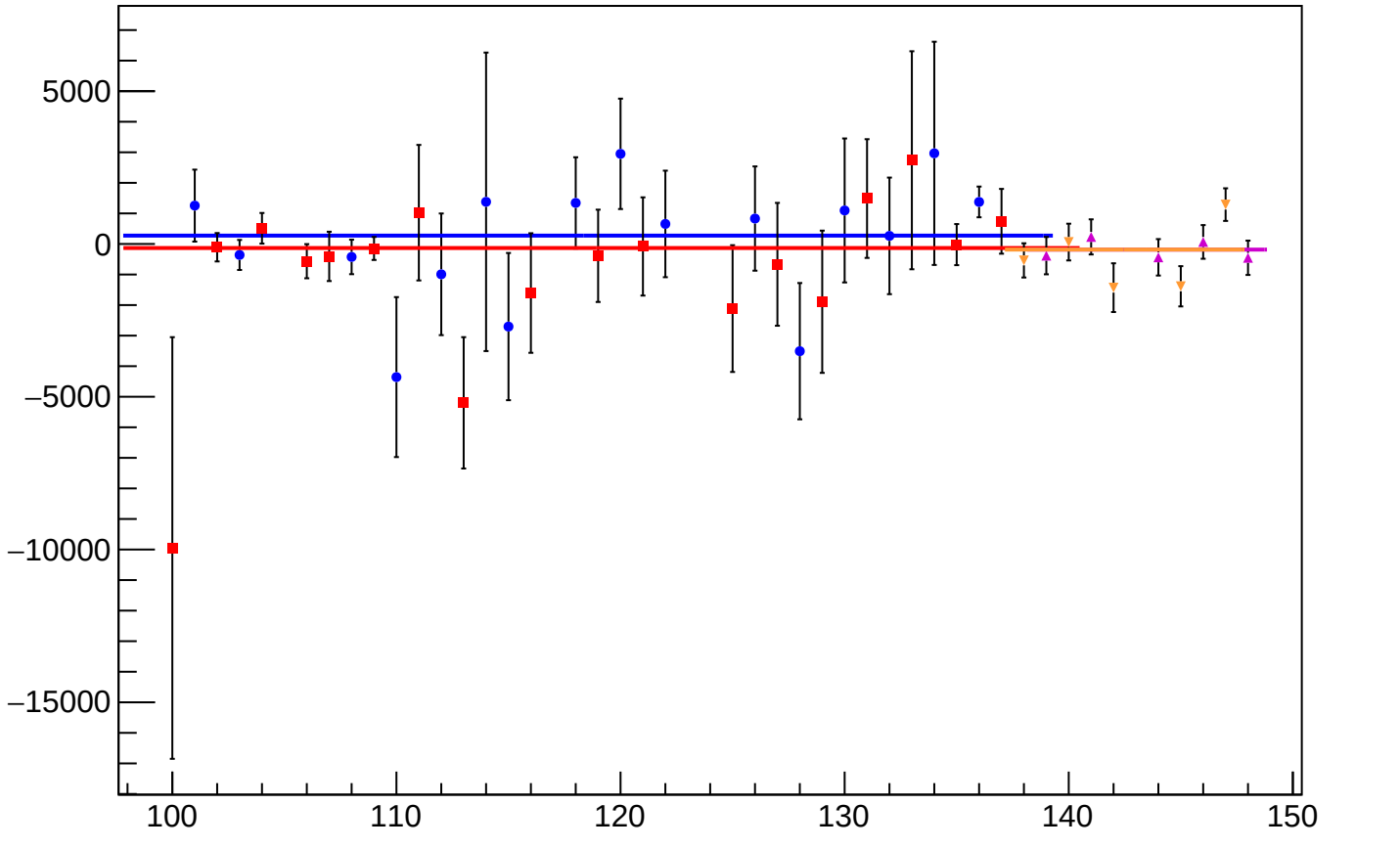
Left: 1691.983+/-0.422 χ^2/NDF: 84161.8/9

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1523.714+/-0.321 χ^2/NDF:641212.9/20

Out: 1509.162+/-0.329 χ^2/NDF:504474.8/22

All: 1516.616+/-0.230 χ^2/NDF: 1146690.6/43



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -184.123+/-273.726 χ^2/NDF:13.9/4

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -184.814+/-258.356 χ^2/NDF:1.2/4

Left: -184.489+/-187.884 χ^2/NDF: 15.2/9

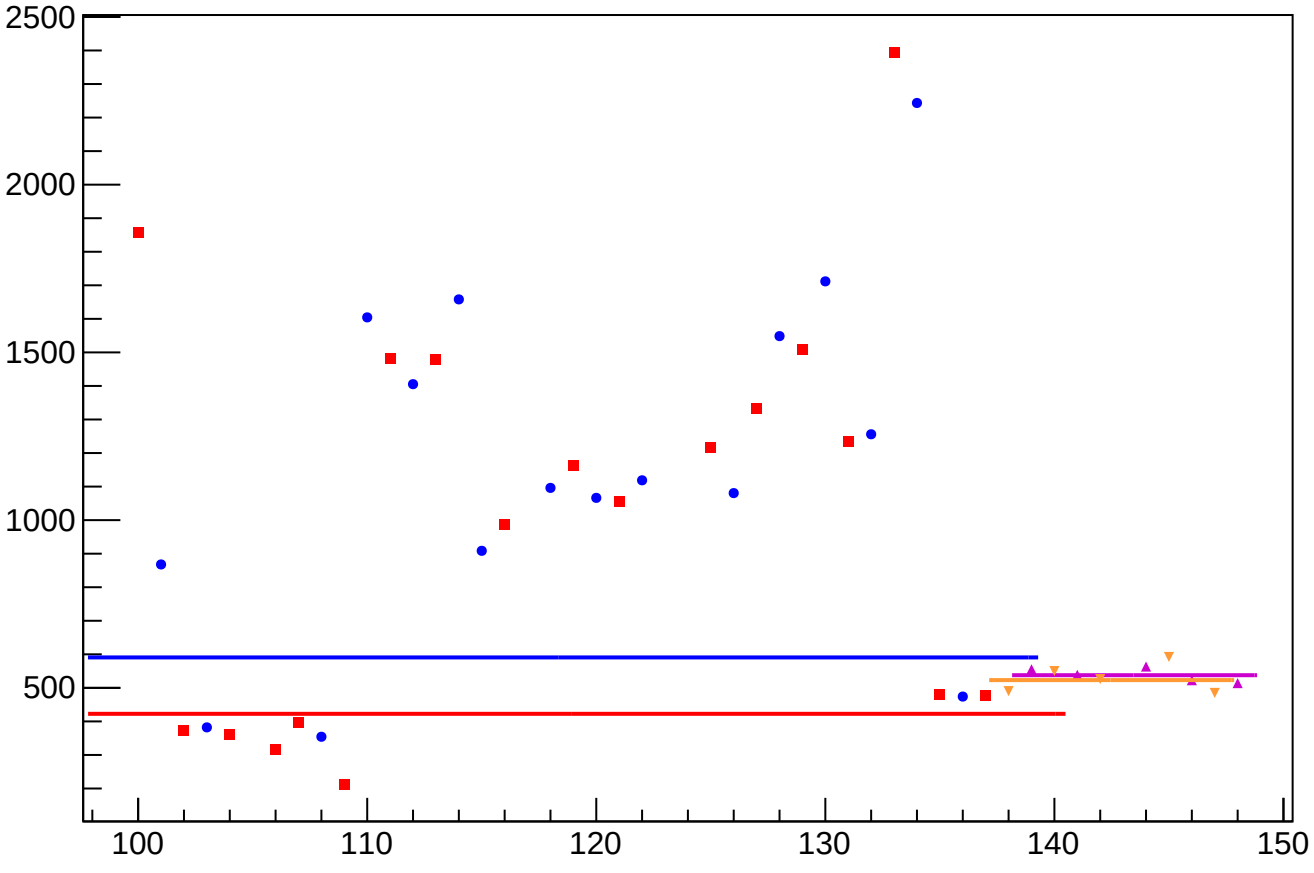
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 42.387+/-183.452 χ^2/NDF:23.0/20

Out: -150.037+/-159.323 χ^2/NDF:28.4/22

All: -67.303+/-120.291 χ^2/NDF: 52.0/43

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: 523.124+/-0.194 χ^2/NDF:43152.0/4

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 537.745+/-0.183 χ^2/NDF:10435.3/4

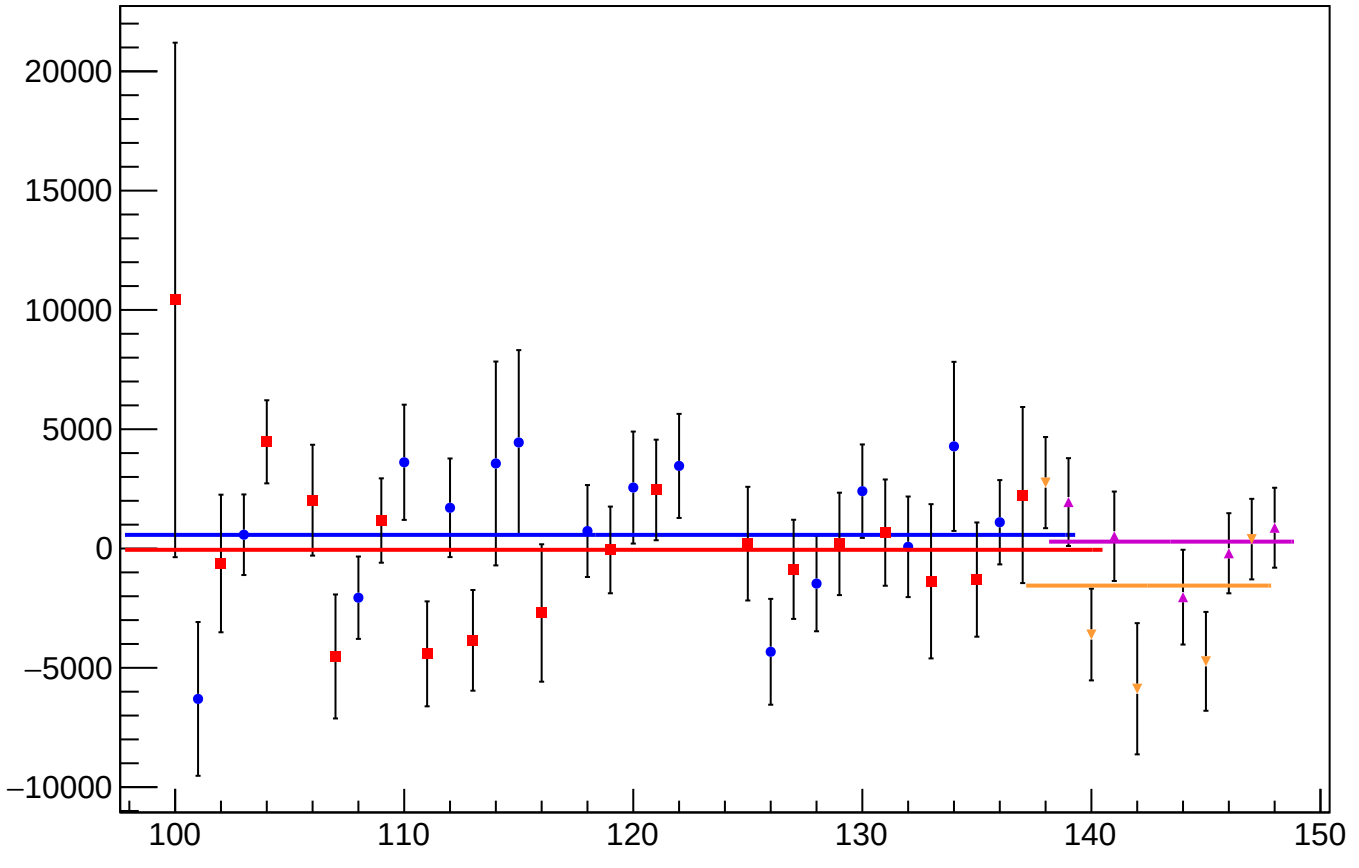
Left: 530.856+/-0.133 χ^2/NDF: 56605.1/9

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 564.024+/-0.130 χ^2/NDF:3937673.9/20

Out: 456.675+/-0.113 χ^2/NDF:5079416.4/22

All: 502.830+/-0.085 χ^2/NDF: 9407474.5/43



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1553.675+/-890.545 χ^2/NDF:12.4/4

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 288.411+/-804.634 χ^2/NDF:2.4/4

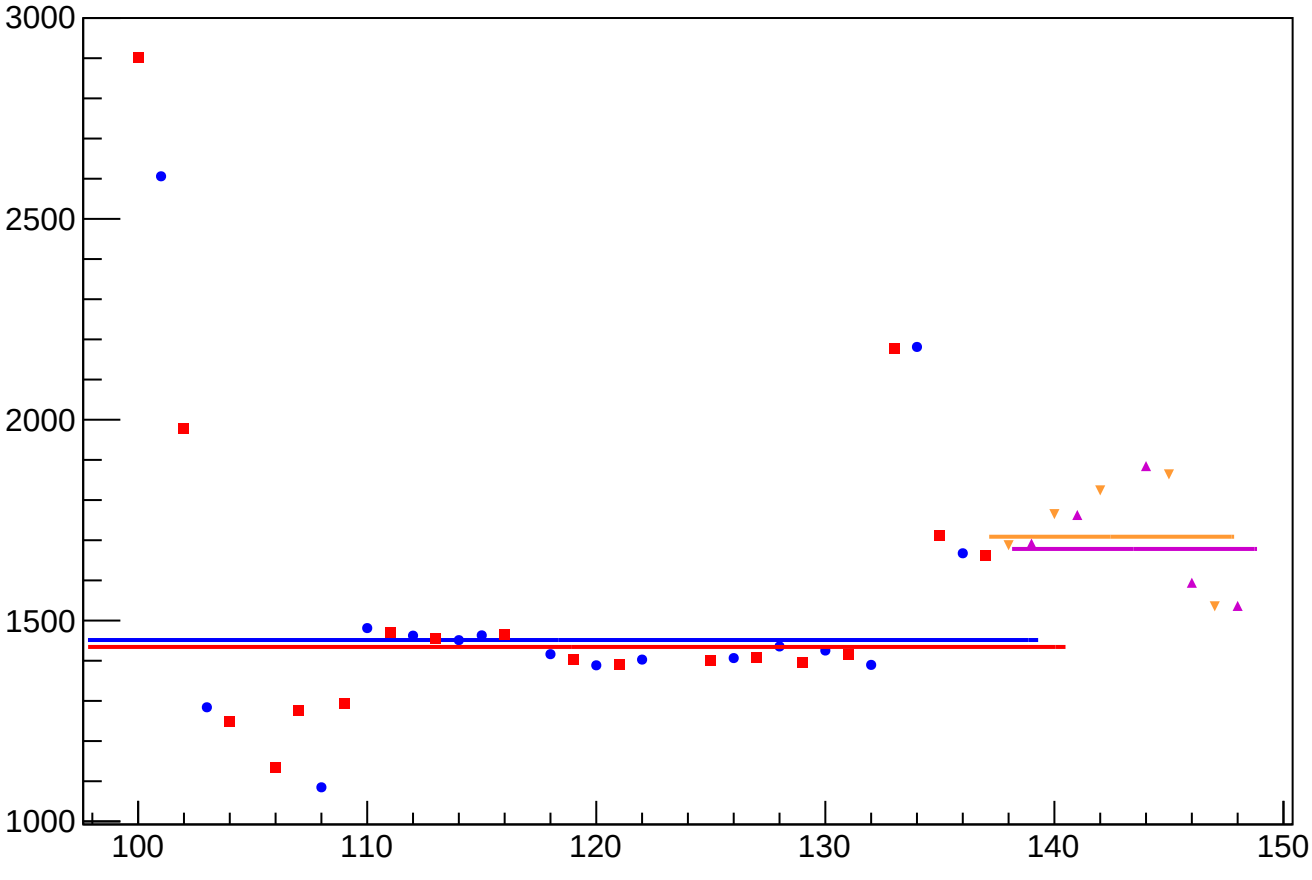
Left: -539.514+/-597.031 χ^2/NDF: 17.2/9

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 481.972+/-453.857 χ^2/NDF:23.3/20

Out: -462.830+/-465.077 χ^2/NDF:37.0/22

All: 21.105+/-324.819 χ^2/NDF: 62.4/43



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.3/4

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.6/4

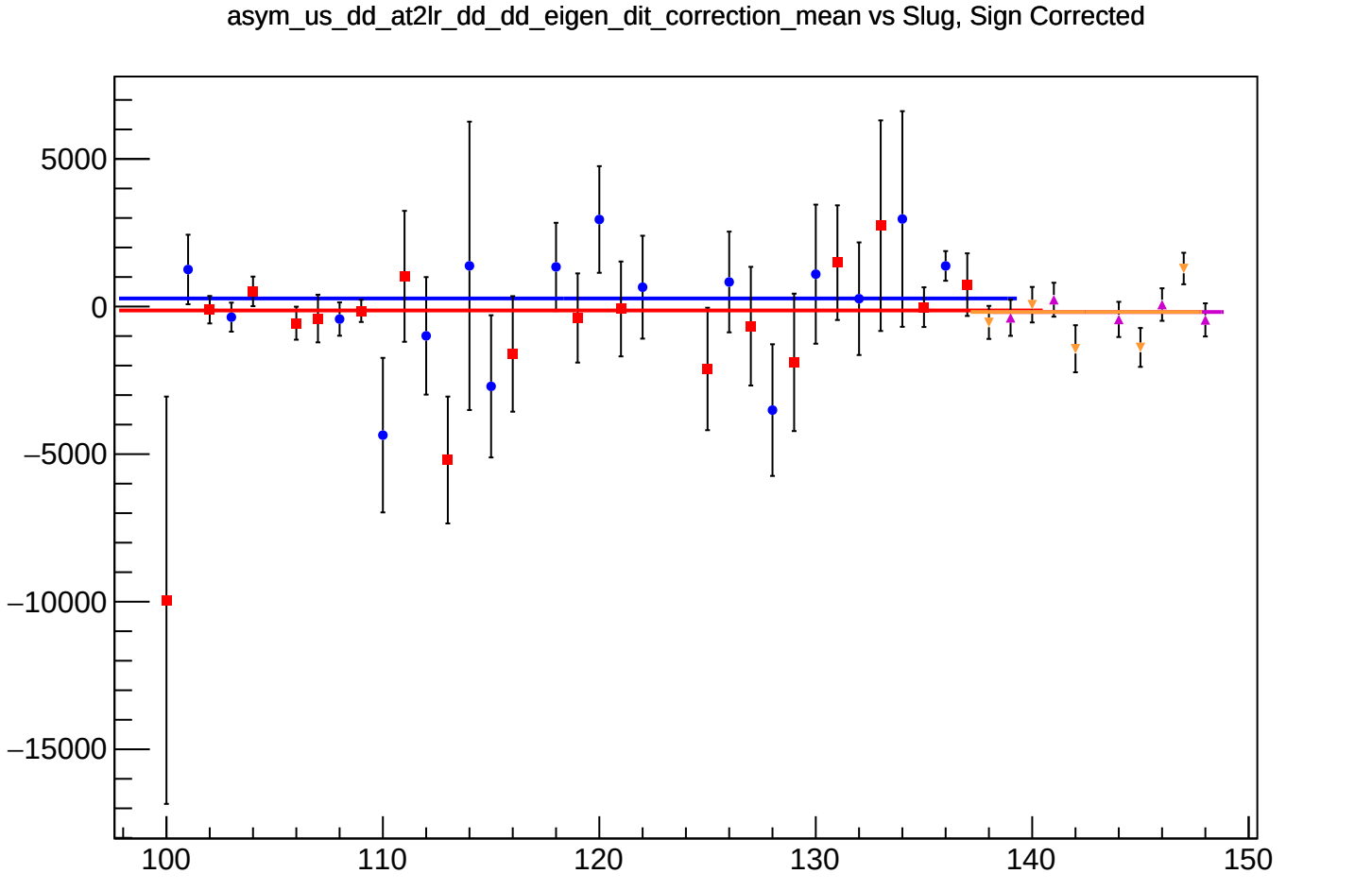
Left: 1691.983+/-0.422 χ^2/NDF: 84162.1/9

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1523.714+/-0.321 χ^2/NDF:641212.6/20

Out: 1509.162+/-0.329 χ^2/NDF:504475.1/22

All: 1516.616+/-0.230 χ^2/NDF: 1146690.6/43



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -184.113+/-273.730 χ^2/NDF:13.9/4

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -184.821+/-258.358 χ^2/NDF:1.2/4

Left: -184.487+/-187.886 χ^2/NDF: 15.2/9

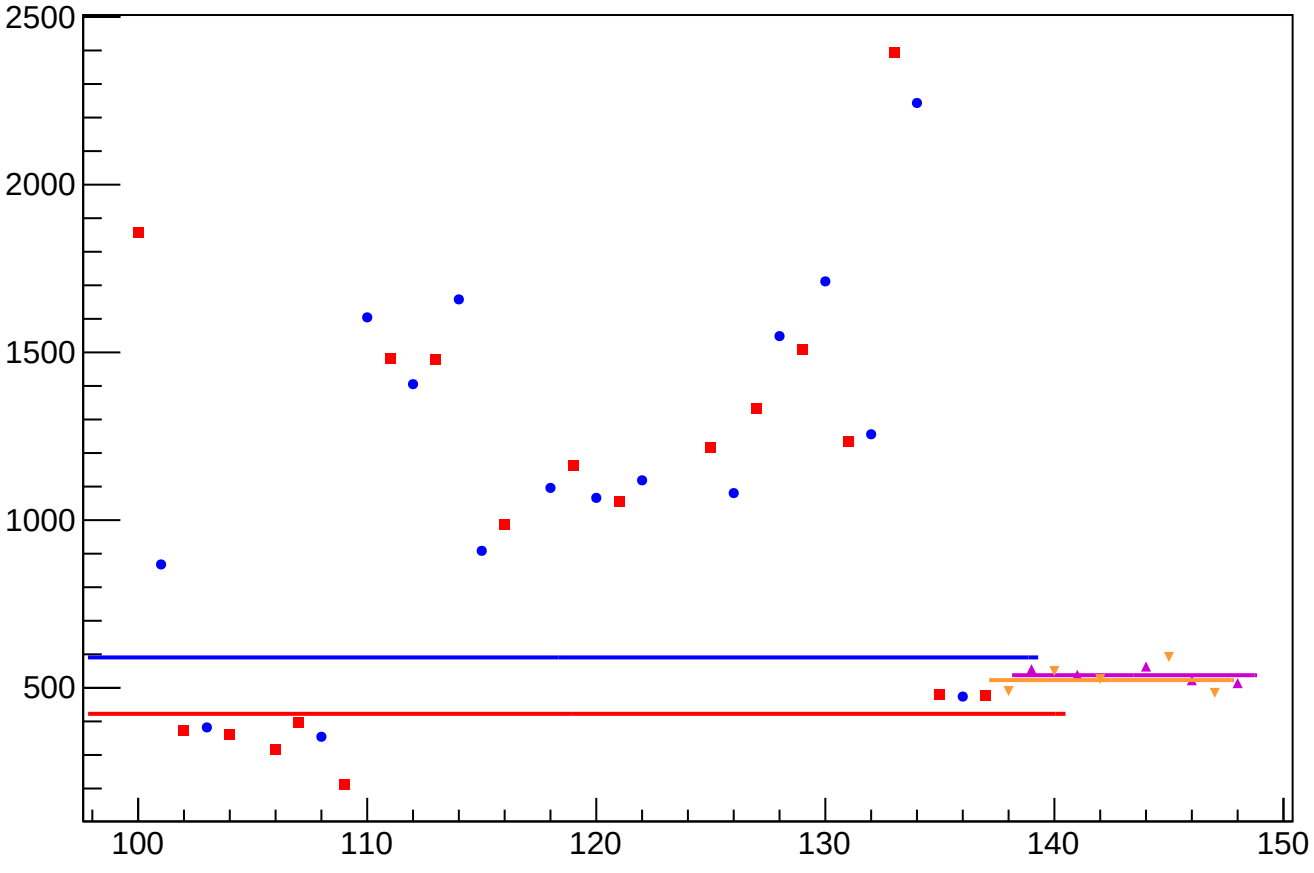
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 42.380+/-183.452 χ^2/NDF:23.0/20

Out: -150.030+/-159.325 χ^2/NDF:28.4/22

All: -67.301+/-120.292 χ^2/NDF: 52.0/43

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: 523.131+/-0.194 χ^2/NDF:43149.7/4

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 537.747+/-0.183 χ^2/NDF:10444.9/4

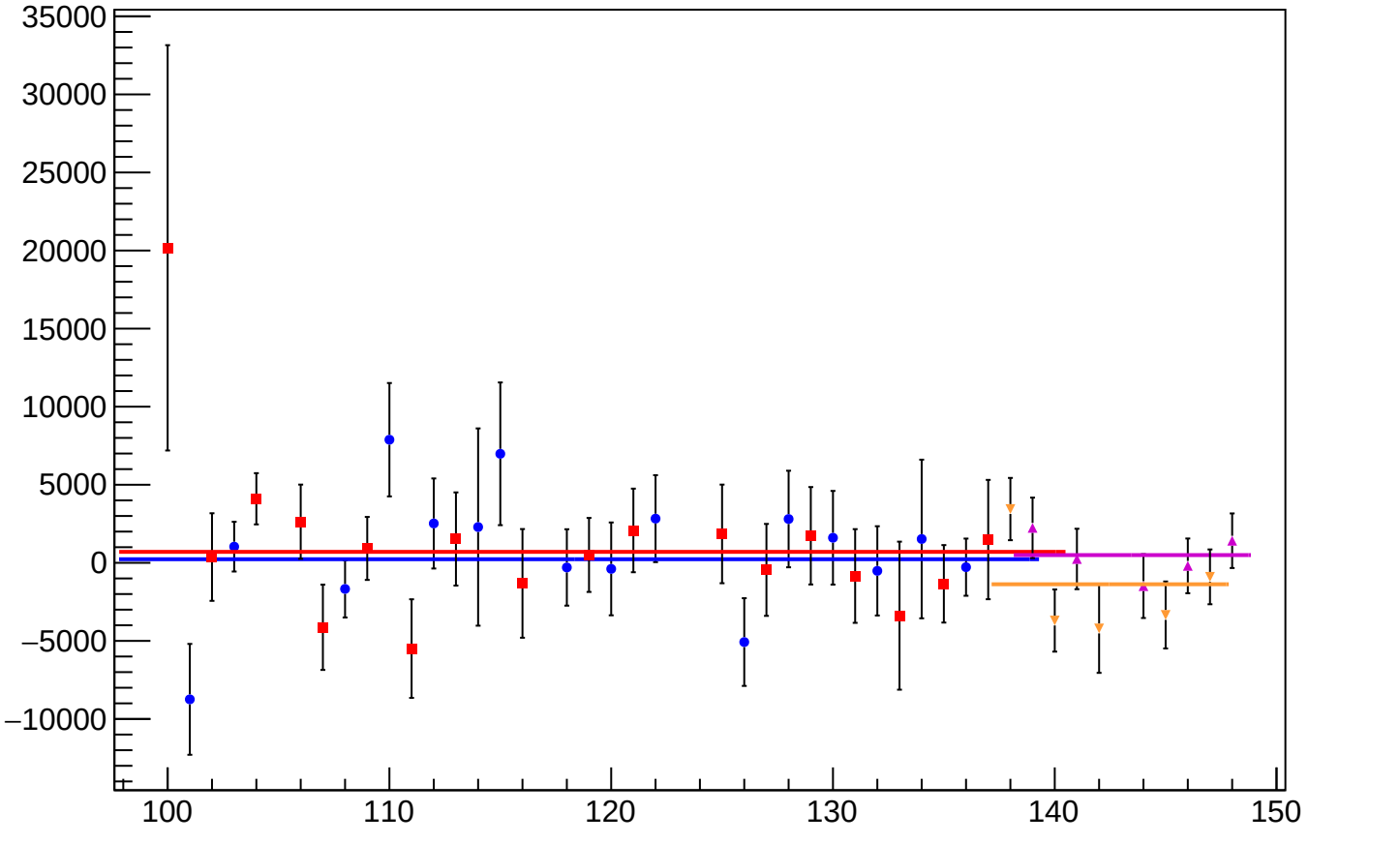
Left: 530.861+/-0.133 χ^2/NDF: 56610.3/9

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 564.024+/-0.130 χ^2/NDF:3937705.4/20

Out: 456.681+/-0.113 χ^2/NDF:5079334.8/22

All: 502.834+/-0.085 χ^2/NDF: 9407380.0/43



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1373.014+/-924.584 χ^2/NDF:9.1/4

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 495.576+/-837.287 χ^2/NDF:2.2/4

Left: -346.361+/-620.625 χ^2/NDF: 13.6/9

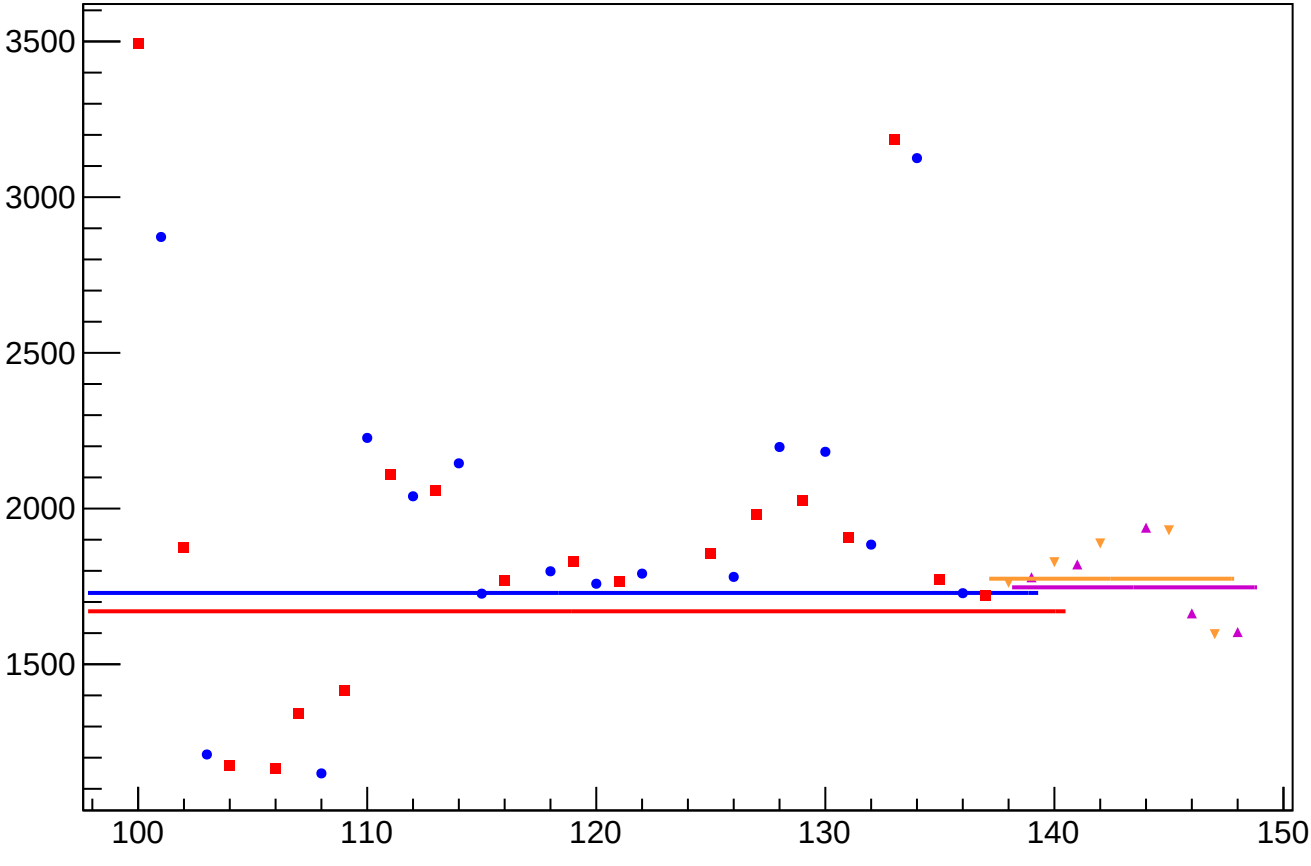
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 333.427+/-521.335 χ^2/NDF:23.0/20

Out: 18.222+/-530.824 χ^2/NDF:29.5/22

All: 178.667+/-371.949 χ^2/NDF: 52.7/43

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: 1774.735+/-0.654 χ^2/NDF:35802.4/4

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1747.042+/-0.592 χ^2/NDF:39087.6/4

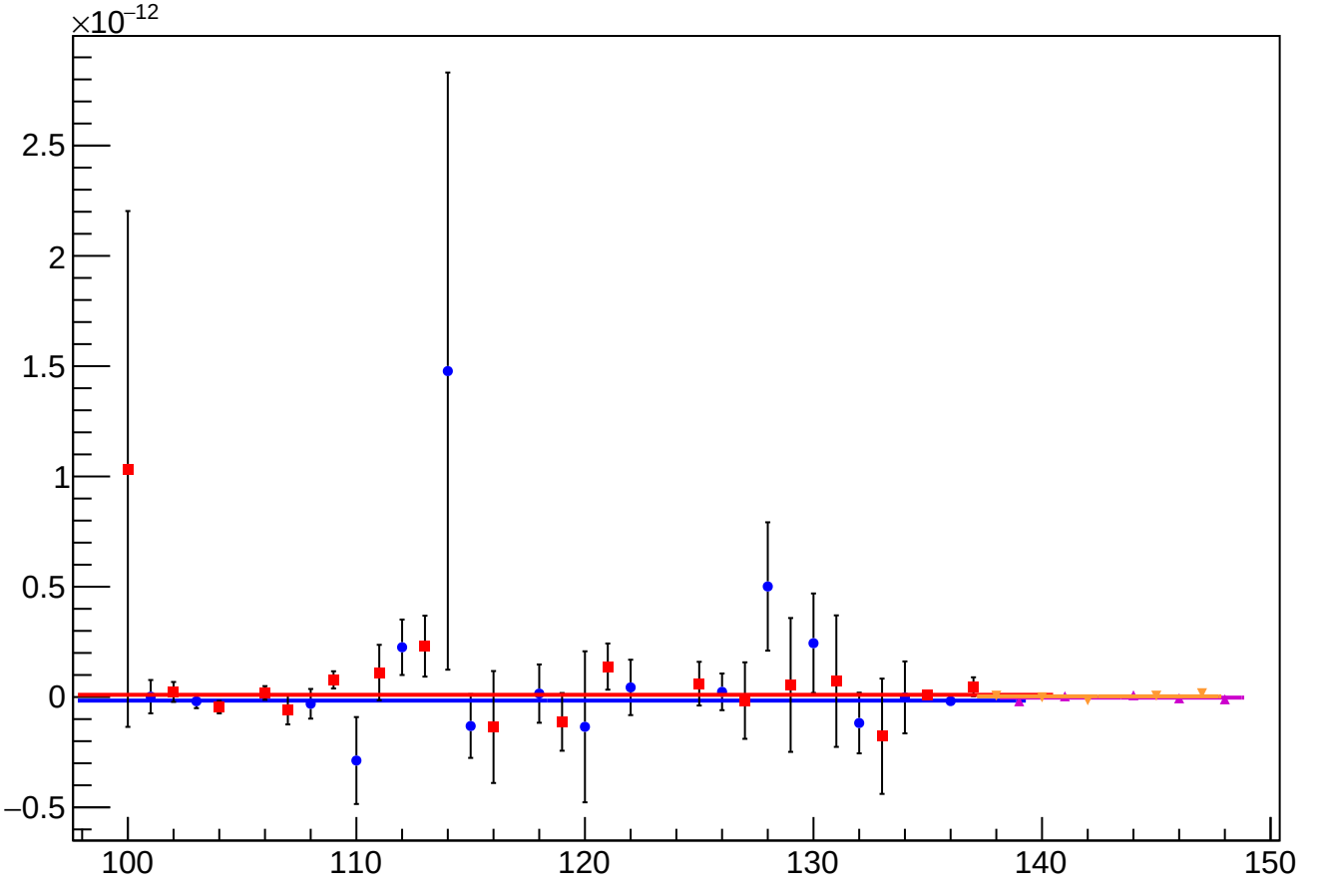
Left: 1759.520+/-0.439 χ^2/NDF: 75875.8/9

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1736.025+/-0.369 χ^2/NDF:981732.3/20

Out: 1704.560+/-0.375 χ^2/NDF:797440.7/22

All: 1720.576+/-0.263 χ^2/NDF: 1782750.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/4

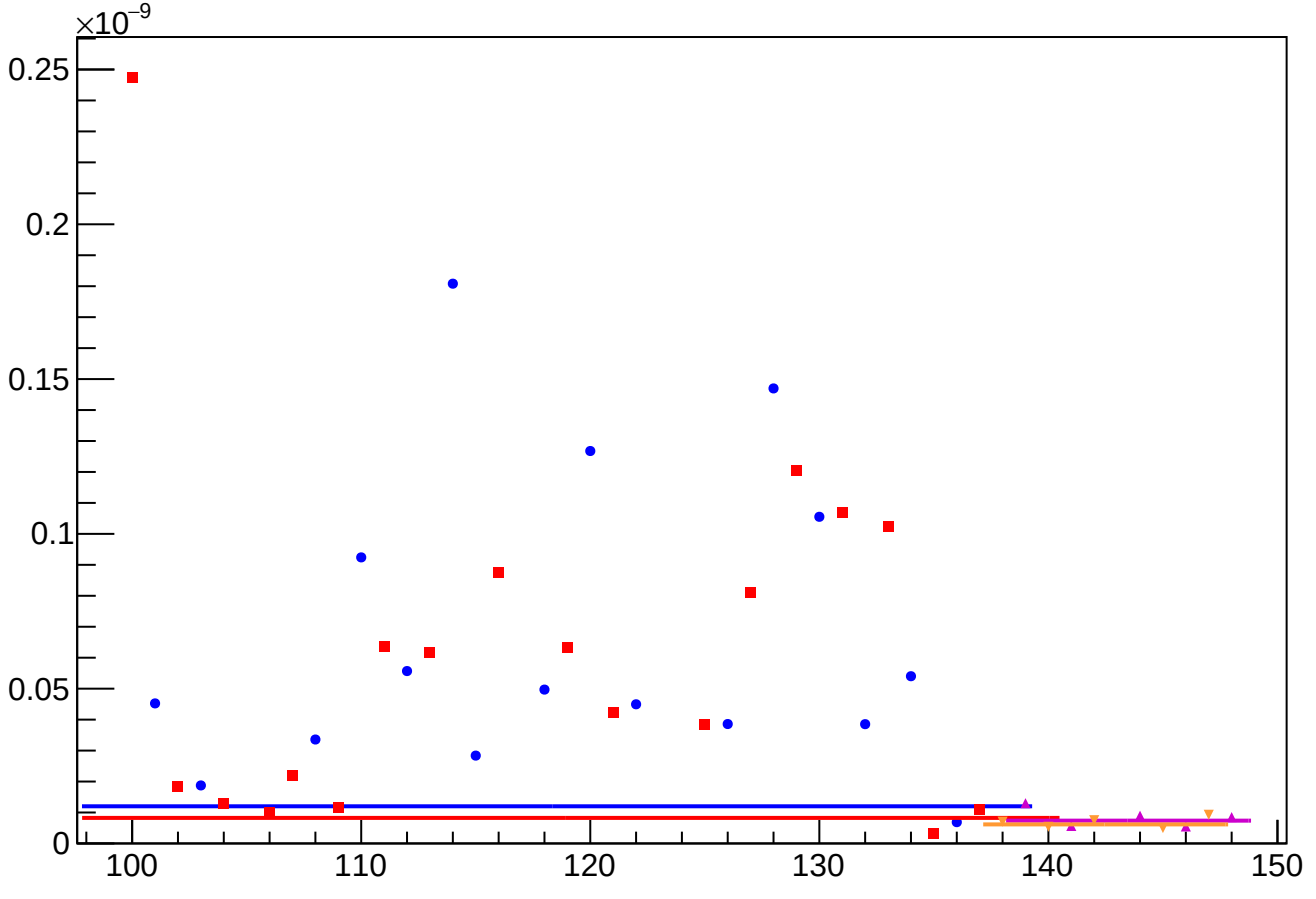
Left: 0.000+/-0.000 χ^2/NDF: 5.0/9

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:16.9/20

Out: 0.000+/-0.000 χ^2/NDF:19.0/22

All: 0.000+/-0.000 χ^2/NDF: 38.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:139494.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:371857.0/4

Left: 0.000+/-0.000 χ^2/NDF: 561038.7/9

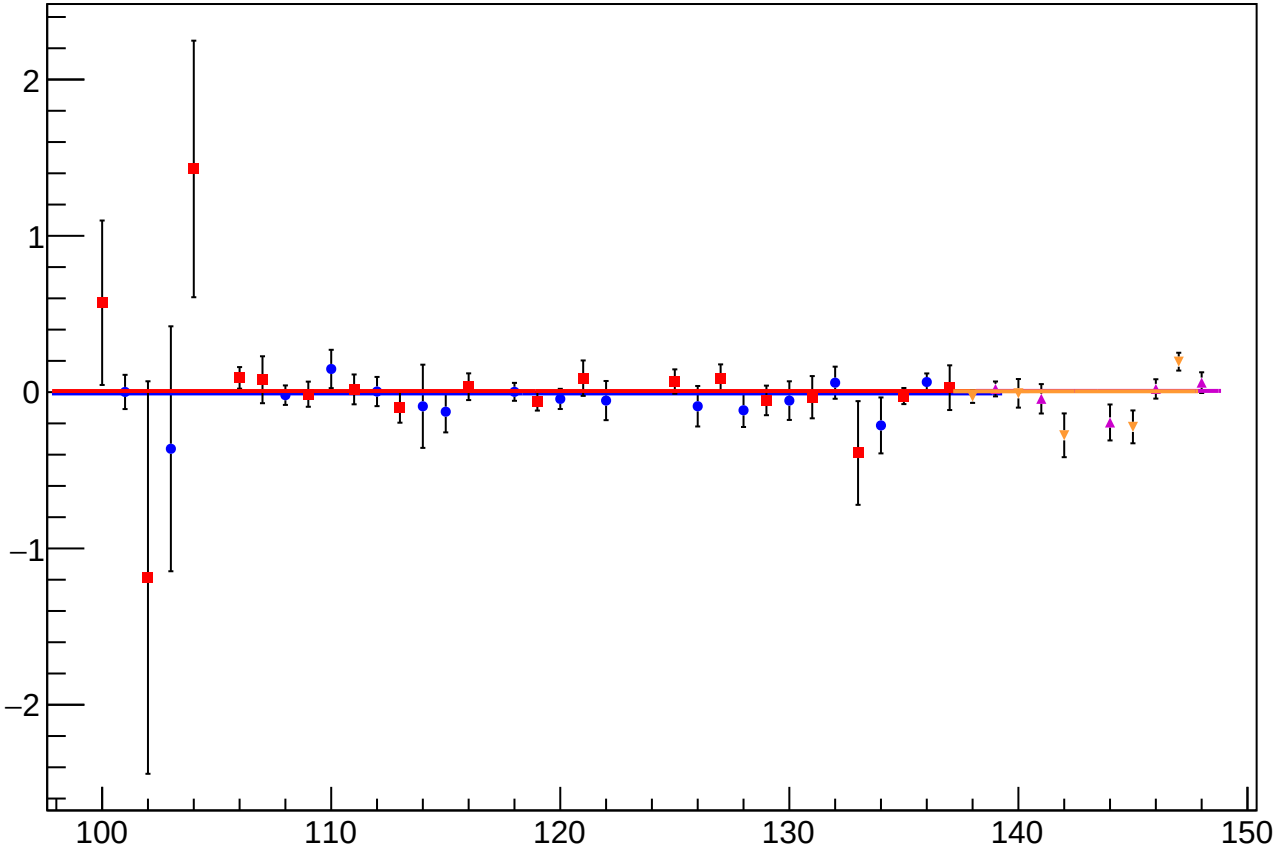
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4113928.0/20

Out: 0.000+/-0.000 χ^2/NDF:3734664.8/22

All: 0.000+/-0.000 χ^2/NDF: 7977640.4/43

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.030 χ^2/NDF:4.1/4

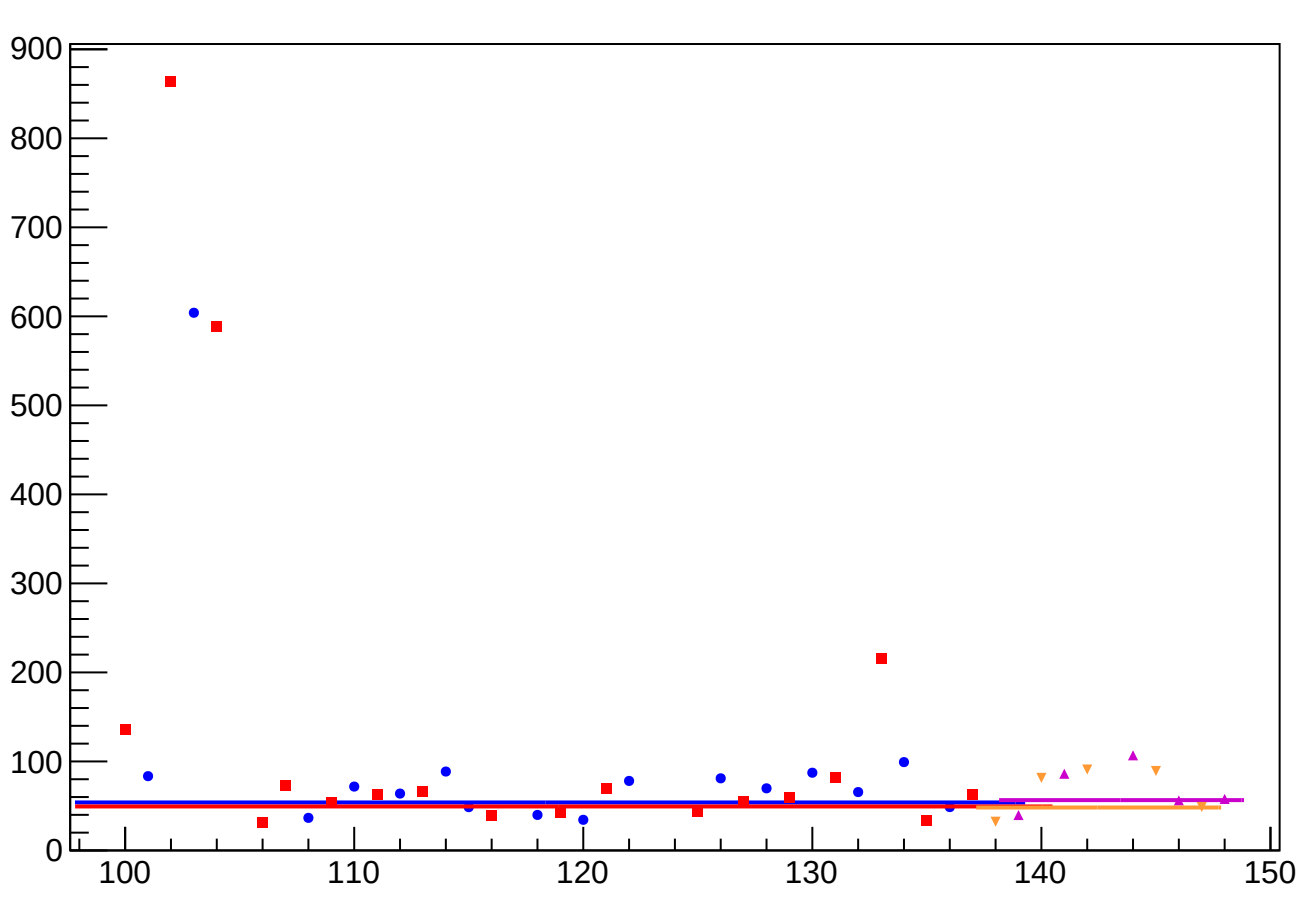
Left: 0.007+/-0.021 χ^2/NDF: 24.7/9

Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.002+/-0.013 χ^2/NDF: 46.9/43



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 48.252+/-0.020 χ^2/NDF:1074849.3/4

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

Left: 52.259+/-0.015 χ^2/NDF: 1984256.2/9

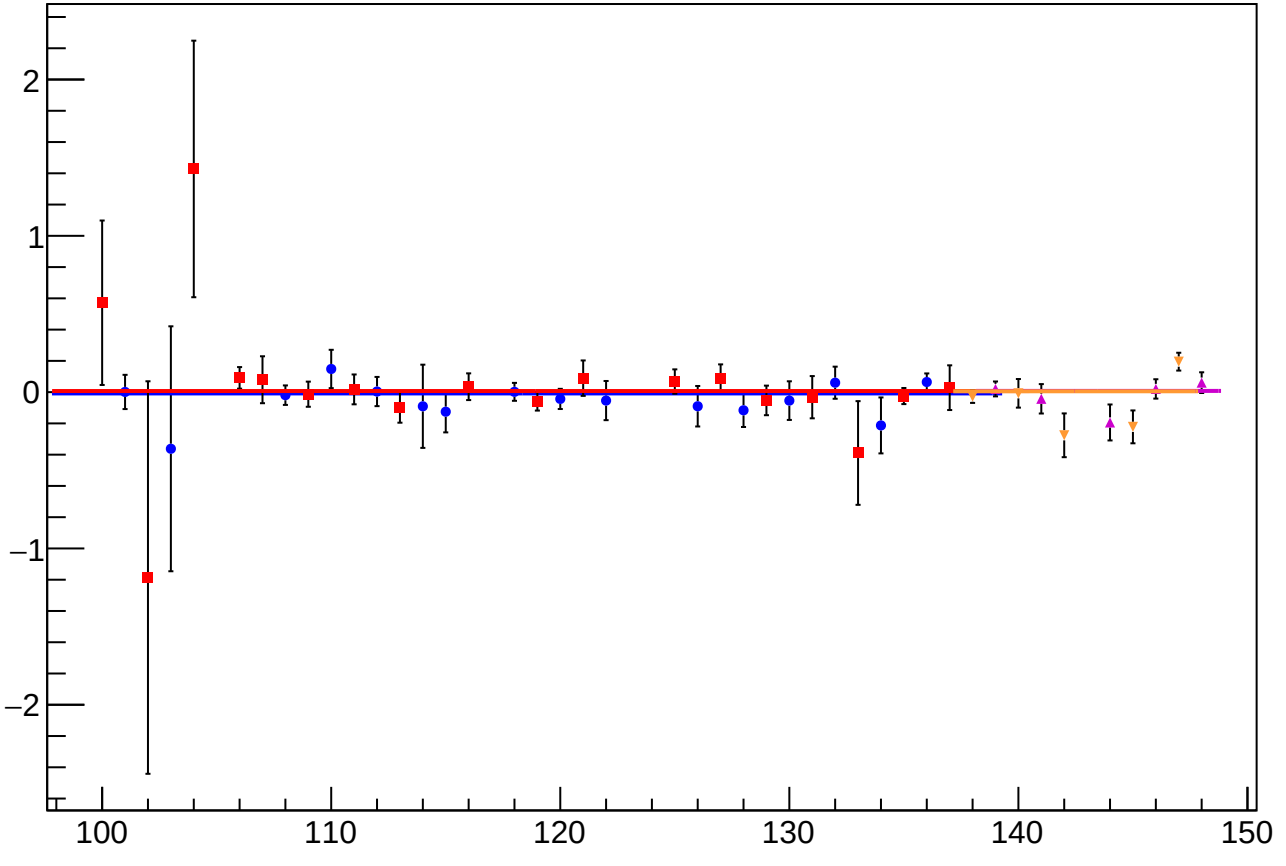
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.904+/-0.013 χ^2/NDF:3053915.4/20

Out: 48.986+/-0.012 χ^2/NDF:4094618.2/22

All: 51.836+/-0.009 χ^2/NDF: 7257157.4/43

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.030 χ^2/NDF:4.1/4

Left: 0.007+/-0.021 χ^2/NDF: 24.7/9

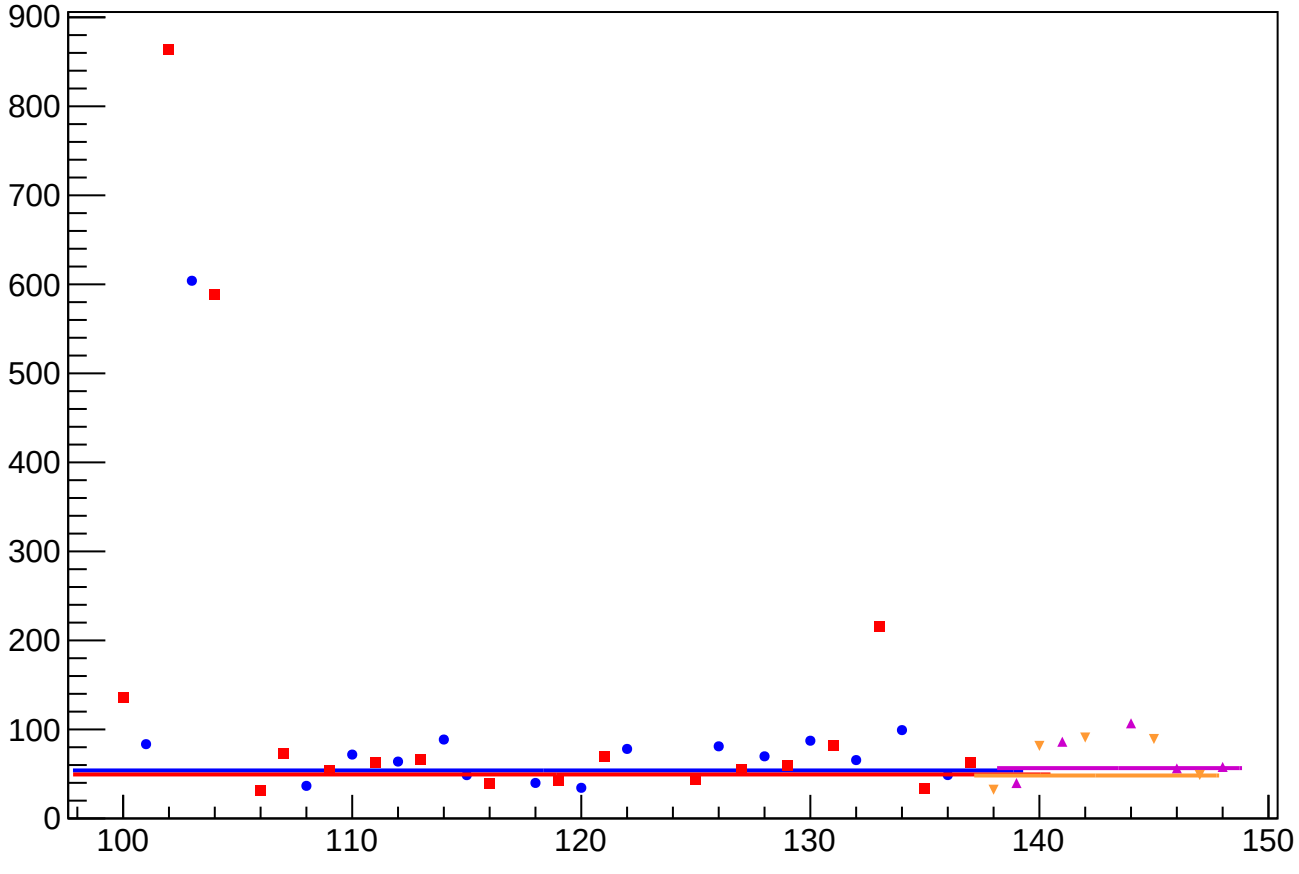
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.002+/-0.013 χ^2/NDF: 46.9/43

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: 48.252+/-0.020 χ^2/NDF:1074849.3/4

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

Left: 52.259+/-0.015 χ^2/NDF: 1984256.2/9

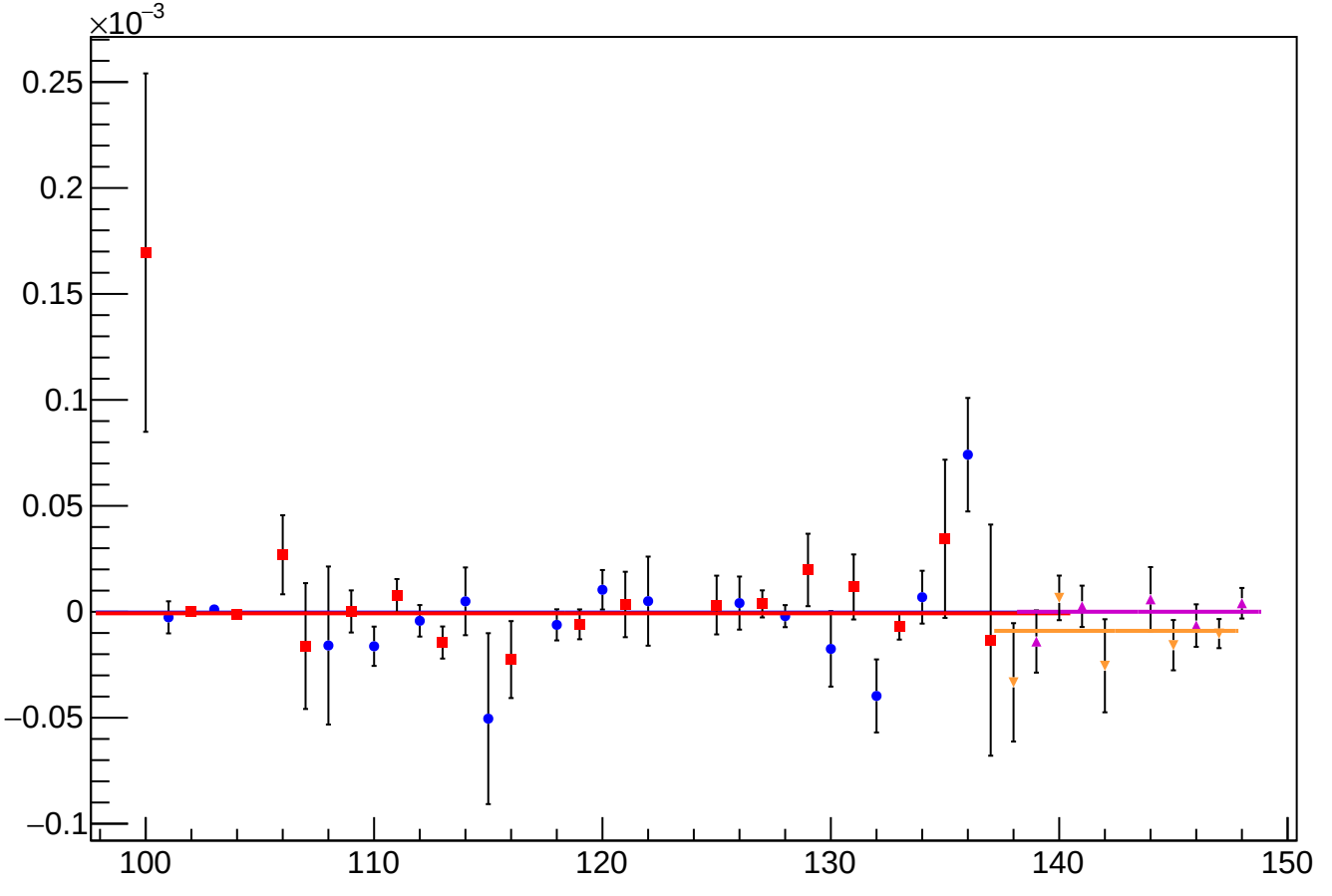
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.904+/-0.013 χ^2/NDF:3053915.4/20

Out: 48.986+/-0.012 χ^2/NDF:4094618.2/22

All: 51.836+/-0.009 χ^2/NDF: 7257157.4/43

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

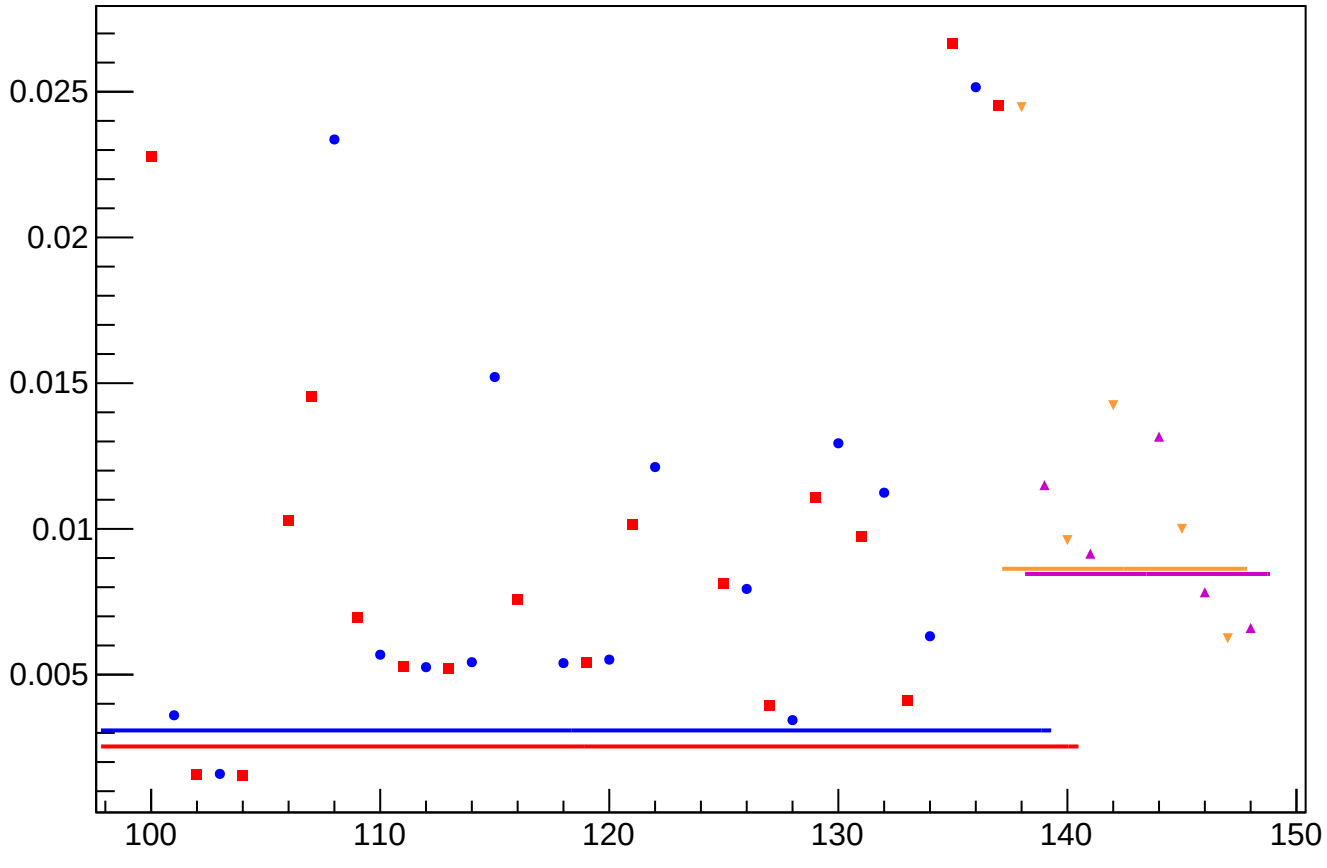
Left: -0.000+/-0.000 χ^2/NDF: 7.5/9

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:24.0/20

Out: -0.000+/-0.000 χ^2/NDF:24.3/22

All: -0.000+/-0.000 χ^2/NDF: 48.5/43



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1059209.0/4

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:429149.9/4

Left: 0.009+/-0.000 χ^2/NDF: 1489760.5/9

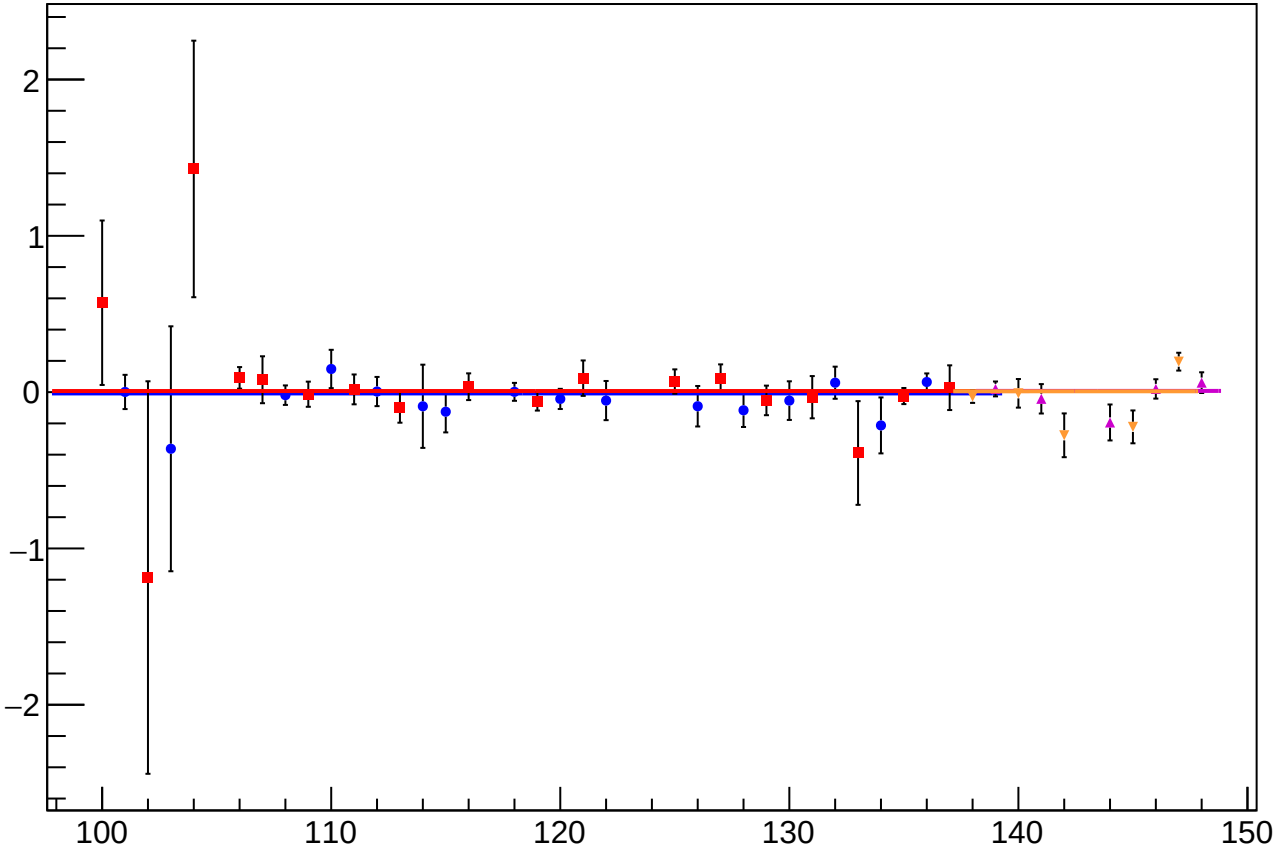
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:8695856.7/20

Out: 0.003+/-0.000 χ^2/NDF:10135988.7/22

All: 0.003+/-0.000 χ^2/NDF: 19151806.0/43

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.030 χ^2/NDF:4.1/4

Left: 0.007+/-0.021 χ^2/NDF: 24.7/9

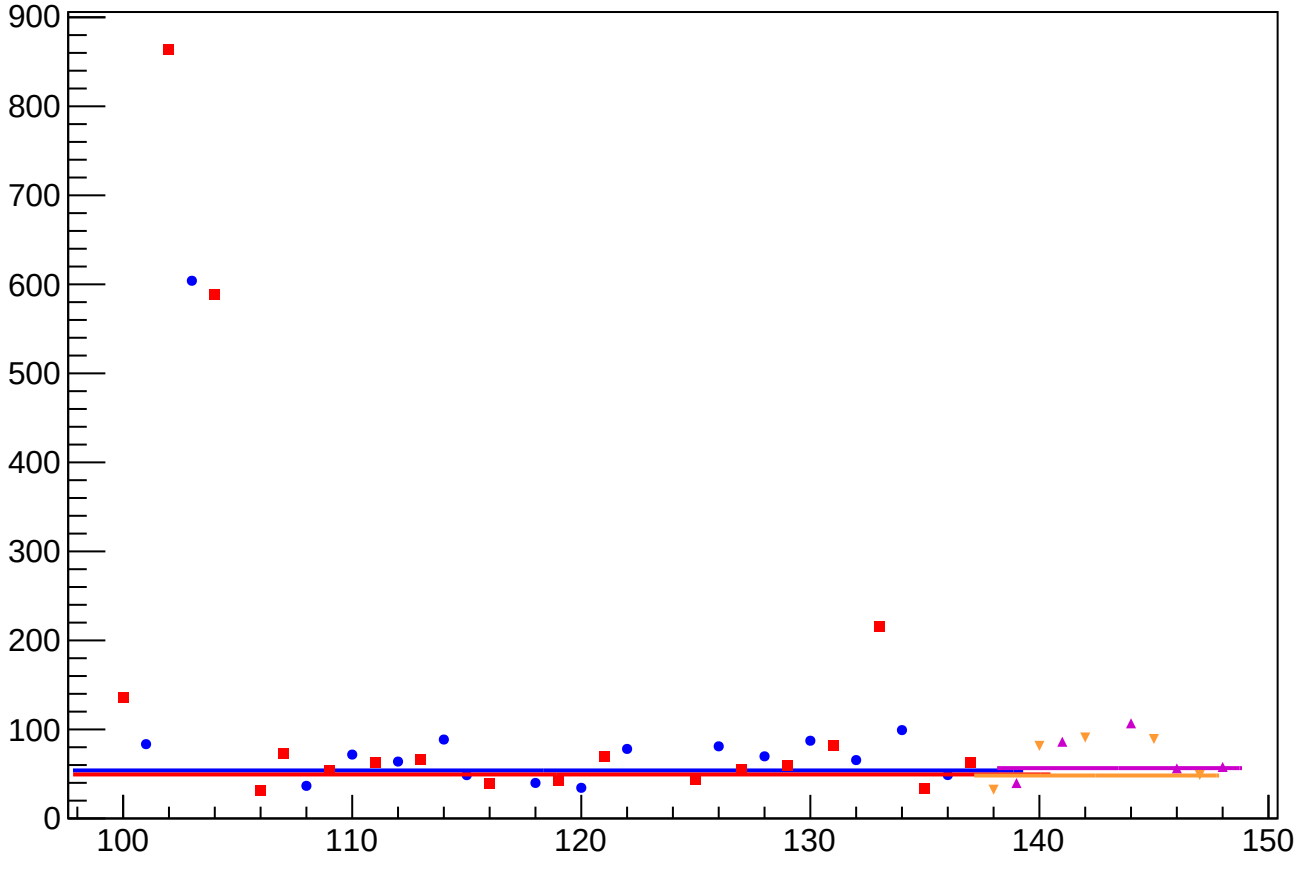
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.002+/-0.013 χ^2/NDF: 46.9/43

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: 48.258+/-0.020 χ^2/NDF:1074358.4/4

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.542+/-0.021 χ^2/NDF:829982.0/4

Left: 52.262+/-0.015 χ^2/NDF: 1983631.5/9

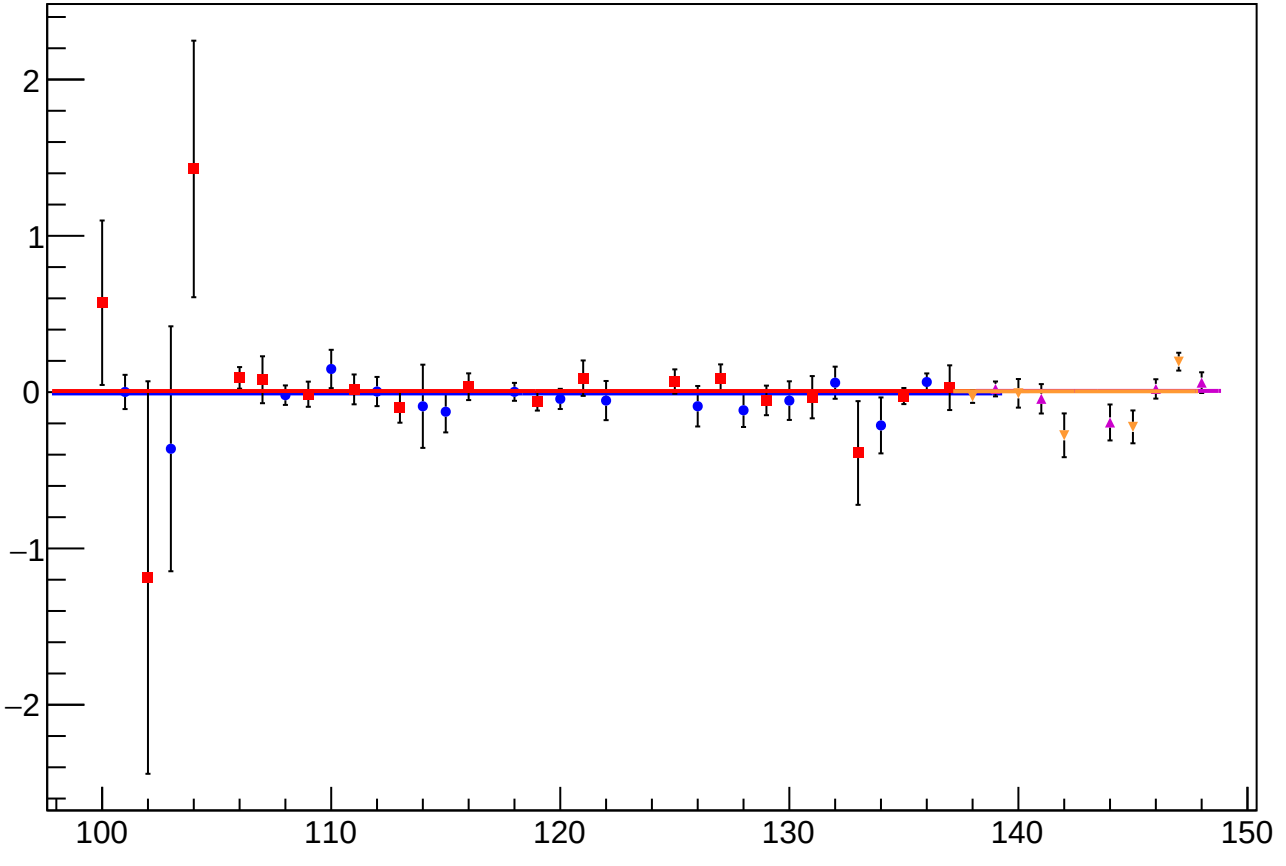
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.906+/-0.013 χ^2/NDF:3053487.9/20

Out: 48.990+/-0.012 χ^2/NDF:4093834.1/22

All: 51.839+/-0.009 χ^2/NDF: 7255877.3/43

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.030 χ^2/NDF:4.1/4

Left: 0.007+/-0.021 χ^2/NDF: 24.7/9

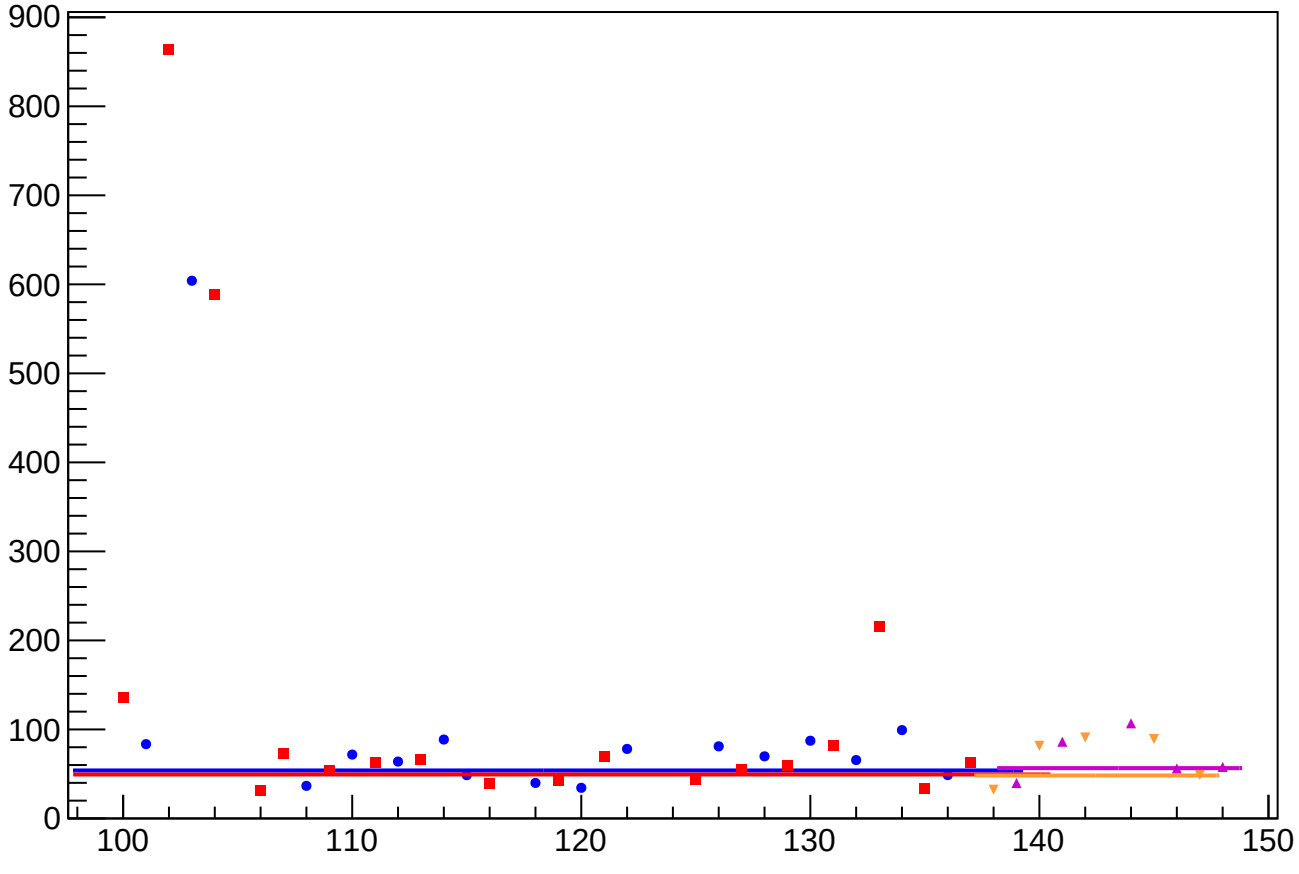
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.002+/-0.013 χ^2/NDF: 46.9/43

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: 48.258+/-0.020 χ^2/NDF:1074358.4/4

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.542+/-0.021 χ^2/NDF:829982.0/4

Left: 52.262+/-0.015 χ^2/NDF: 1983631.5/9

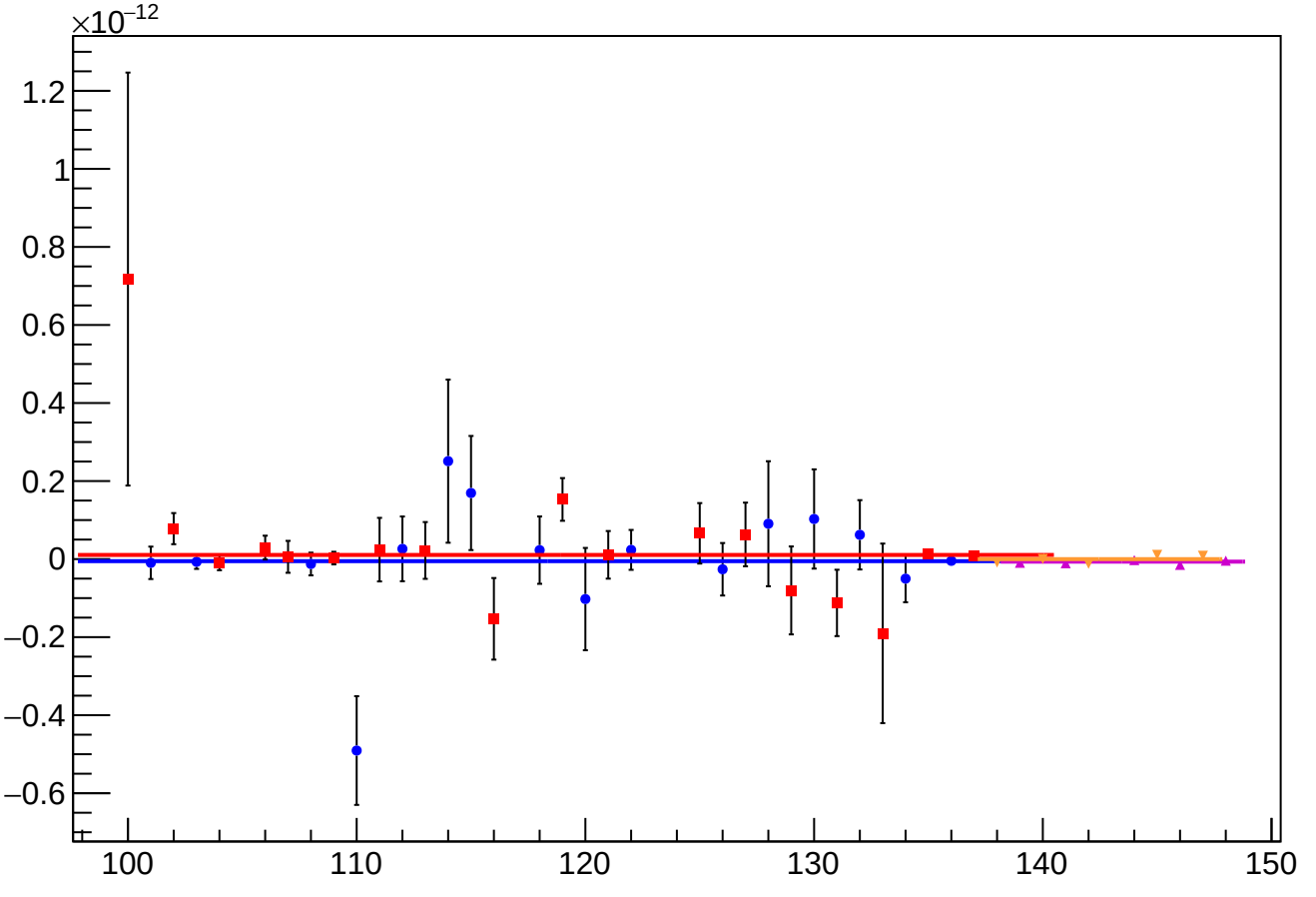
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.906+/-0.013 χ^2/NDF:3053487.9/20

Out: 48.990+/-0.012 χ^2/NDF:4093834.1/22

All: 51.839+/-0.009 χ^2/NDF: 7255877.3/43

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

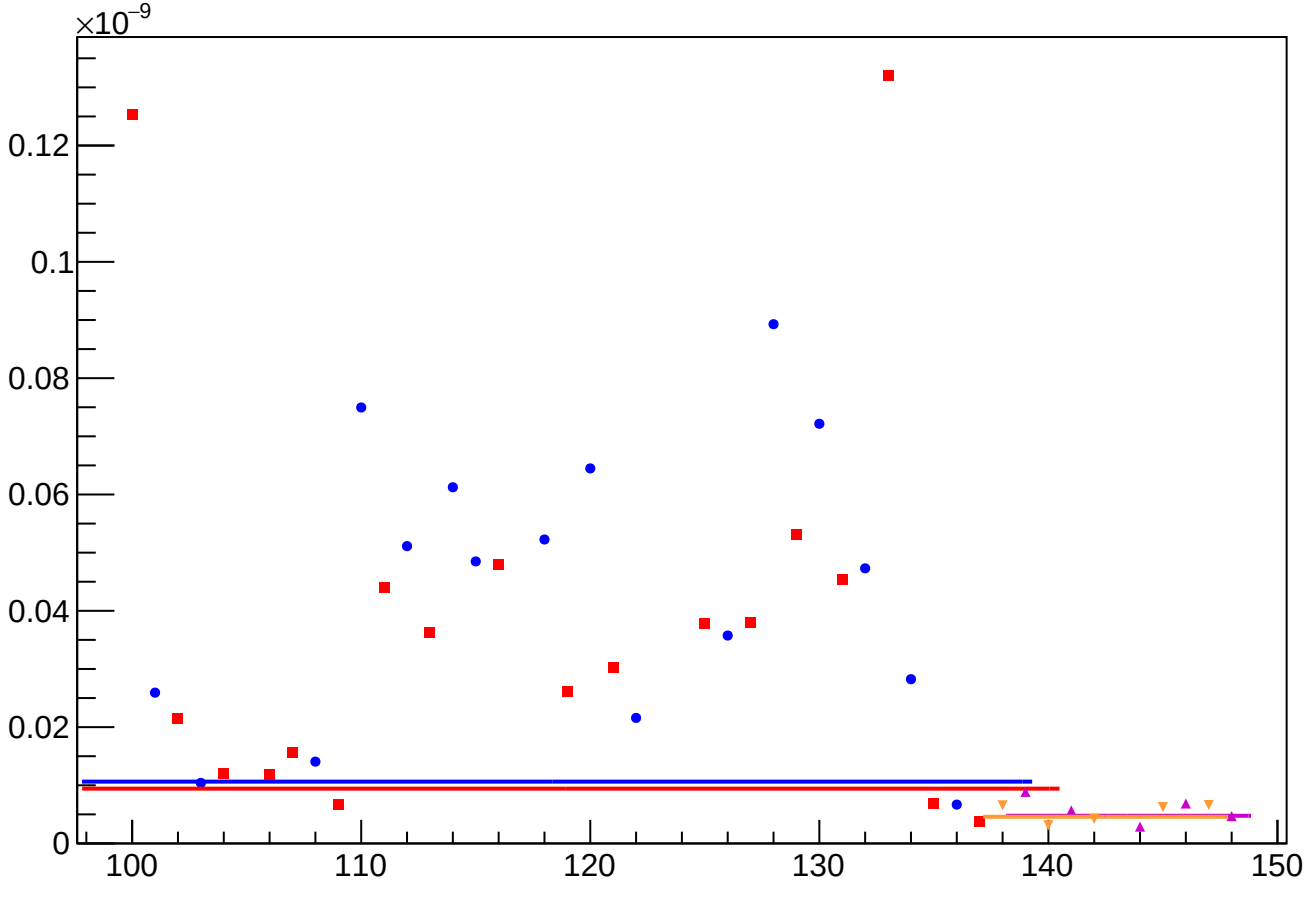
Left: -0.000+/-0.000 χ^2/NDF: 9.9/9

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:20.7/20

Out: 0.000+/-0.000 χ^2/NDF:28.0/22

All: -0.000+/-0.000 χ^2/NDF: 52.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:490737.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:711127.3/4

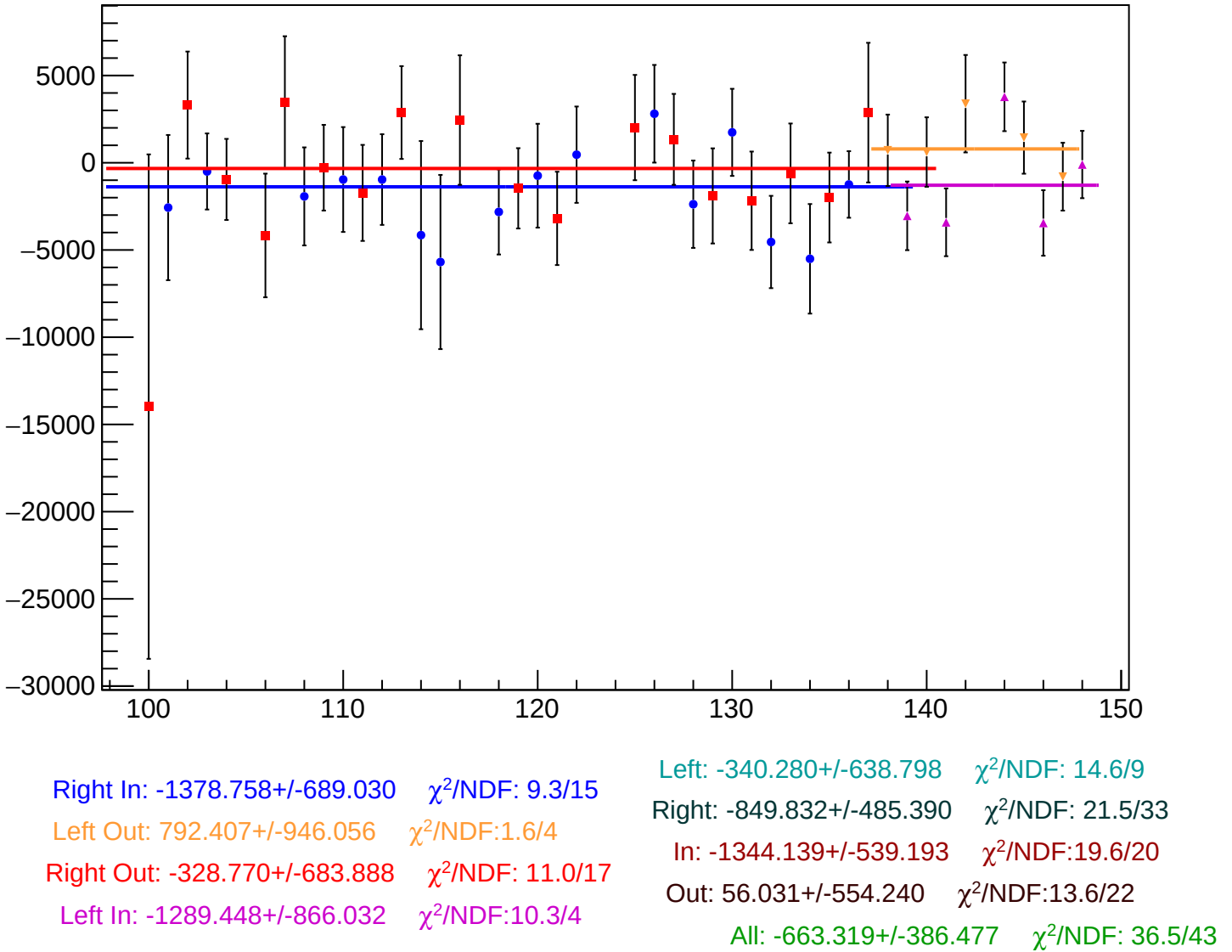
Left: 0.000+/-0.000 χ^2/NDF: 1204772.1/9

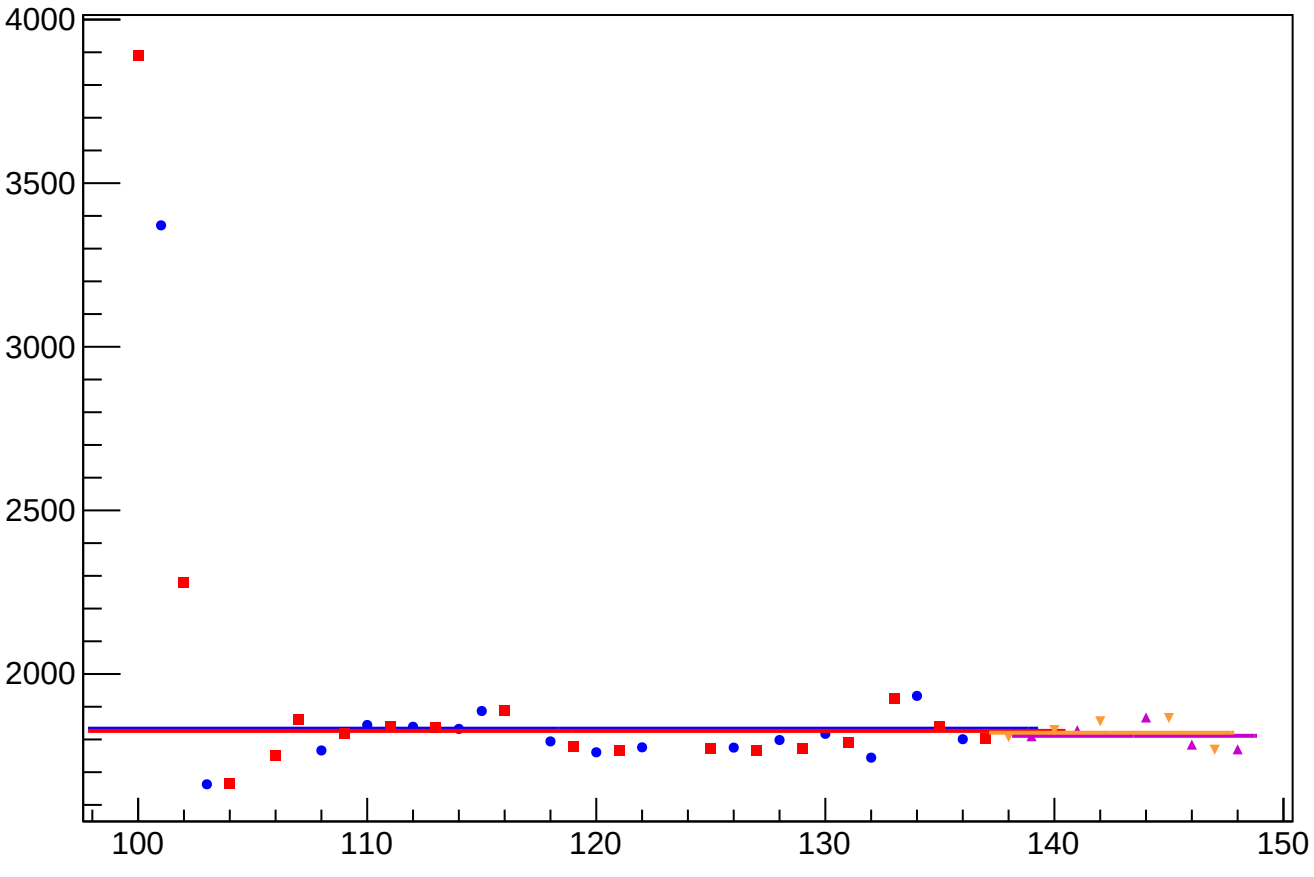
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6484413.2/20

Out: 0.000+/-0.000 χ^2/NDF:5426182.9/22

All: 0.000+/-0.000 χ^2/NDF: 11919744.1/43


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: 792.407+/-946.056 χ²/NDF:1.6/4
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -1289.448+/-866.032 χ²/NDF:10.3/4
Left: -340.280+/-638.798 χ²/NDF: 14.6/9
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -1344.139+/-539.193 χ²/NDF:19.6/20
Out: 56.031+/-554.240 χ²/NDF:13.6/22
All: -663.319+/-386.477 χ²/NDF: 36.5/43



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

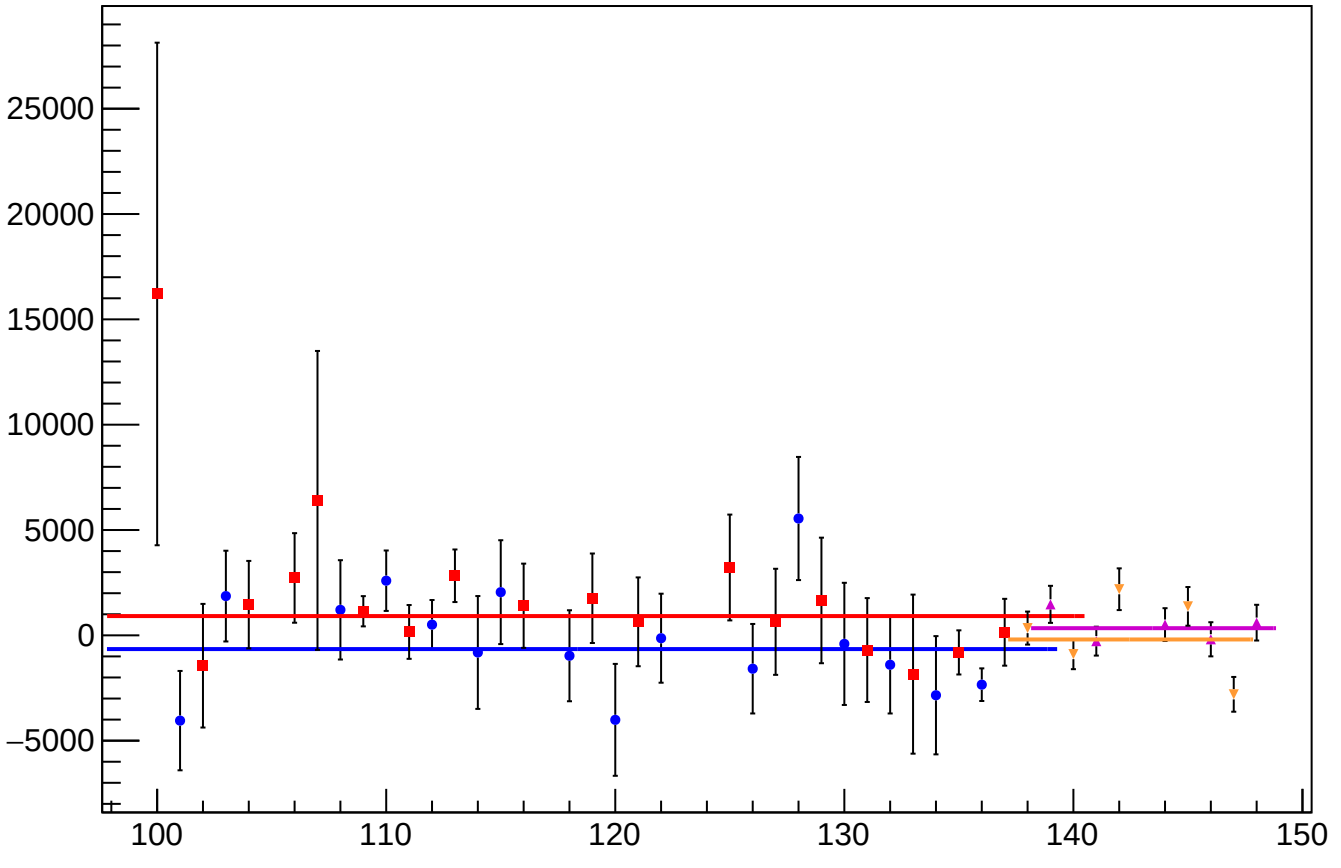
Left: 1815.458+/-0.452 χ^2/NDF: 6001.9/9

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1824.500+/-0.381 χ^2/NDF:299314.8/20

Out: 1824.281+/-0.392 χ^2/NDF:105846.4/22

All: 1824.393+/-0.273 χ^2/NDF: 405161.4/43



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -195.734+/-371.298 χ^2/NDF:20.1/4

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 339.766+/-354.002 χ^2/NDF:3.0/4

Left: 84.779+/-256.214 χ^2/NDF: 24.2/9

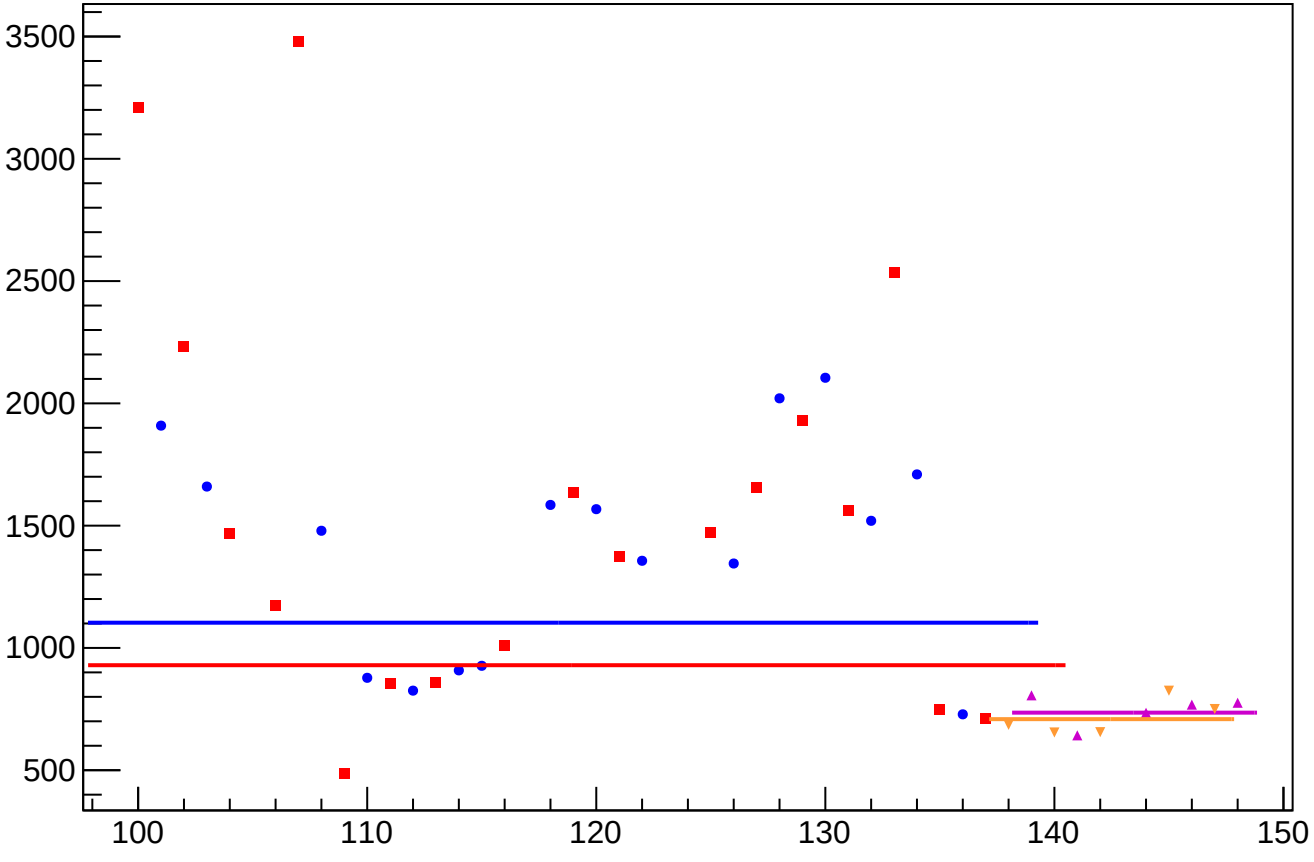
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -47.636+/-276.340 χ^2/NDF:29.3/20

Out: 327.393+/-270.030 χ^2/NDF:35.9/22

All: 144.209+/-193.132 χ^2/NDF: 66.1/43

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: 708.805+/-0.263 χ^2/NDF:56297.7/4

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 735.369+/-0.250 χ^2/NDF:57405.0/4

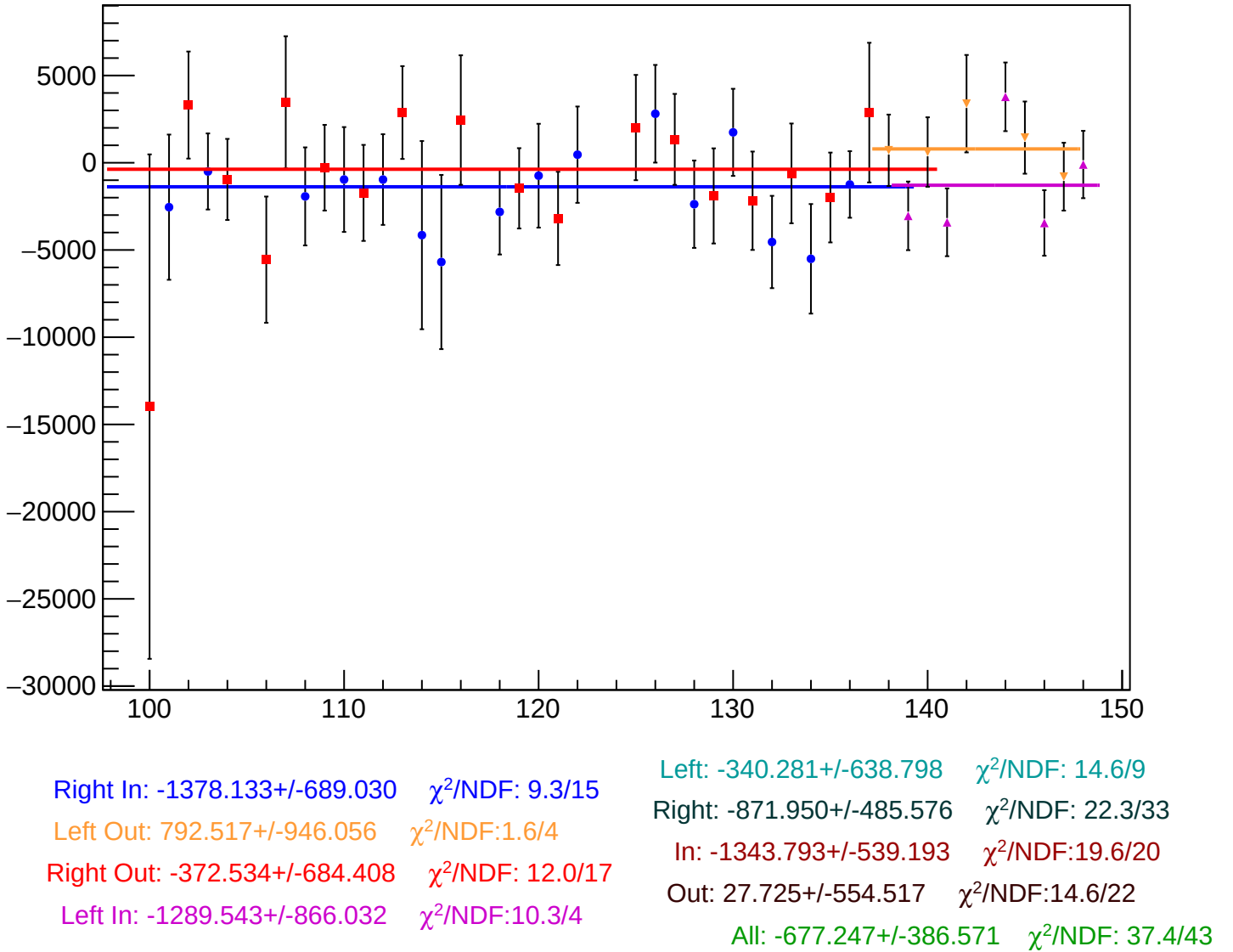
Left: 722.720+/-0.181 χ^2/NDF: 119065.2/9

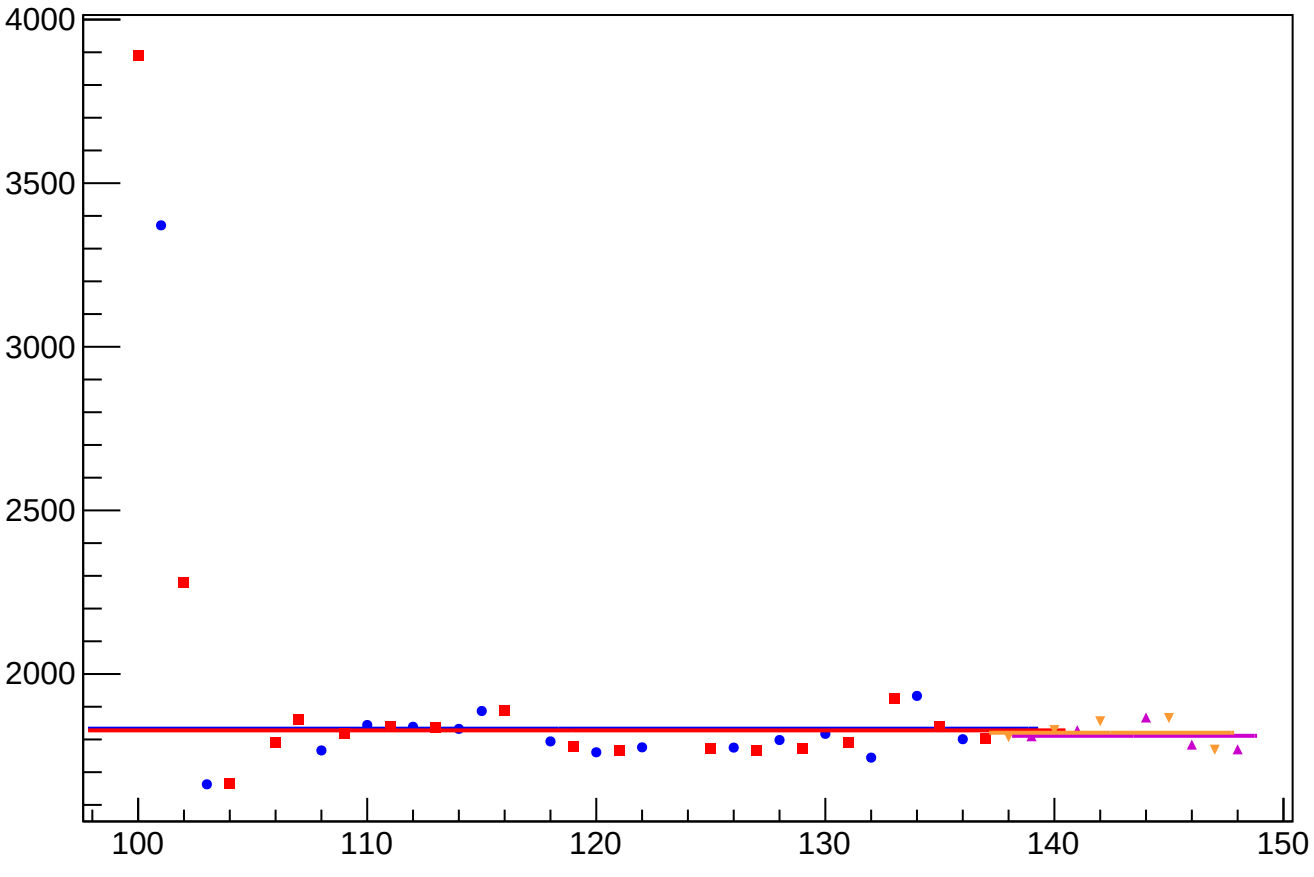
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 879.052+/-0.195 χ^2/NDF:2779016.5/20

Out: 812.706+/-0.191 χ^2/NDF:3442829.8/22

All: 845.113+/-0.137 χ^2/NDF: 6280820.8/43


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 792.517+/-946.056 χ²/NDF:1.6/4
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -1289.543+/-866.032 χ²/NDF:10.3/4
Left: -340.281+/-638.798 χ²/NDF: 14.6/9
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1343.793+/-539.193 χ²/NDF:19.6/20
Out: 27.725+/-554.517 χ²/NDF:14.6/22
All: -677.247+/-386.571 χ²/NDF: 37.4/43



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

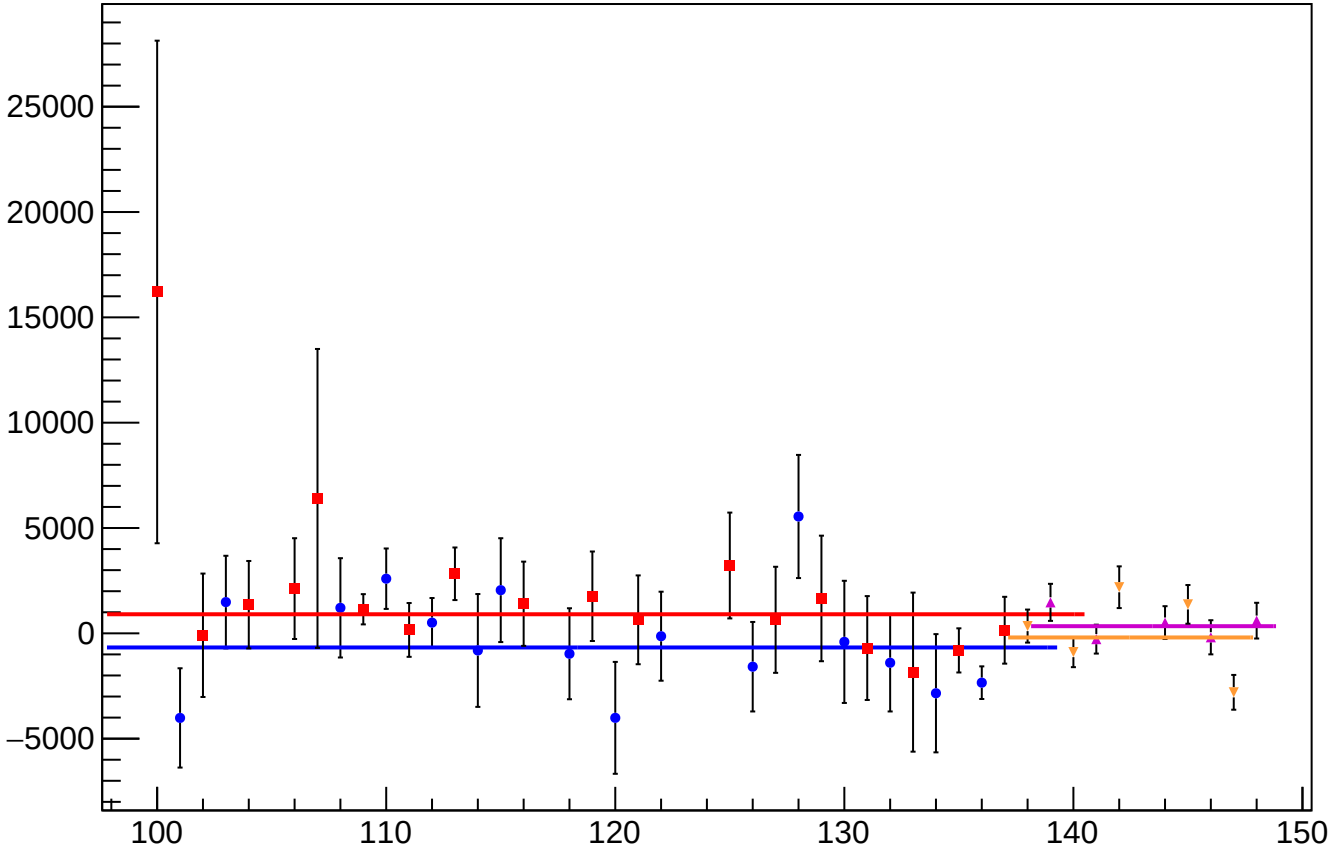
Left: 1815.458+/-0.452 χ^2/NDF: 6001.9/9

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1824.500+/-0.381 χ^2/NDF:299316.6/20

Out: 1825.314+/-0.392 χ^2/NDF:105139.8/22

All: 1824.896+/-0.273 χ^2/NDF: 404458.6/43



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -195.750+/-371.303 χ^2/NDF:20.1/4

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 339.722+/-354.002 χ^2/NDF:3.0/4

Left: 84.752+/-256.215 χ^2/NDF: 24.2/9

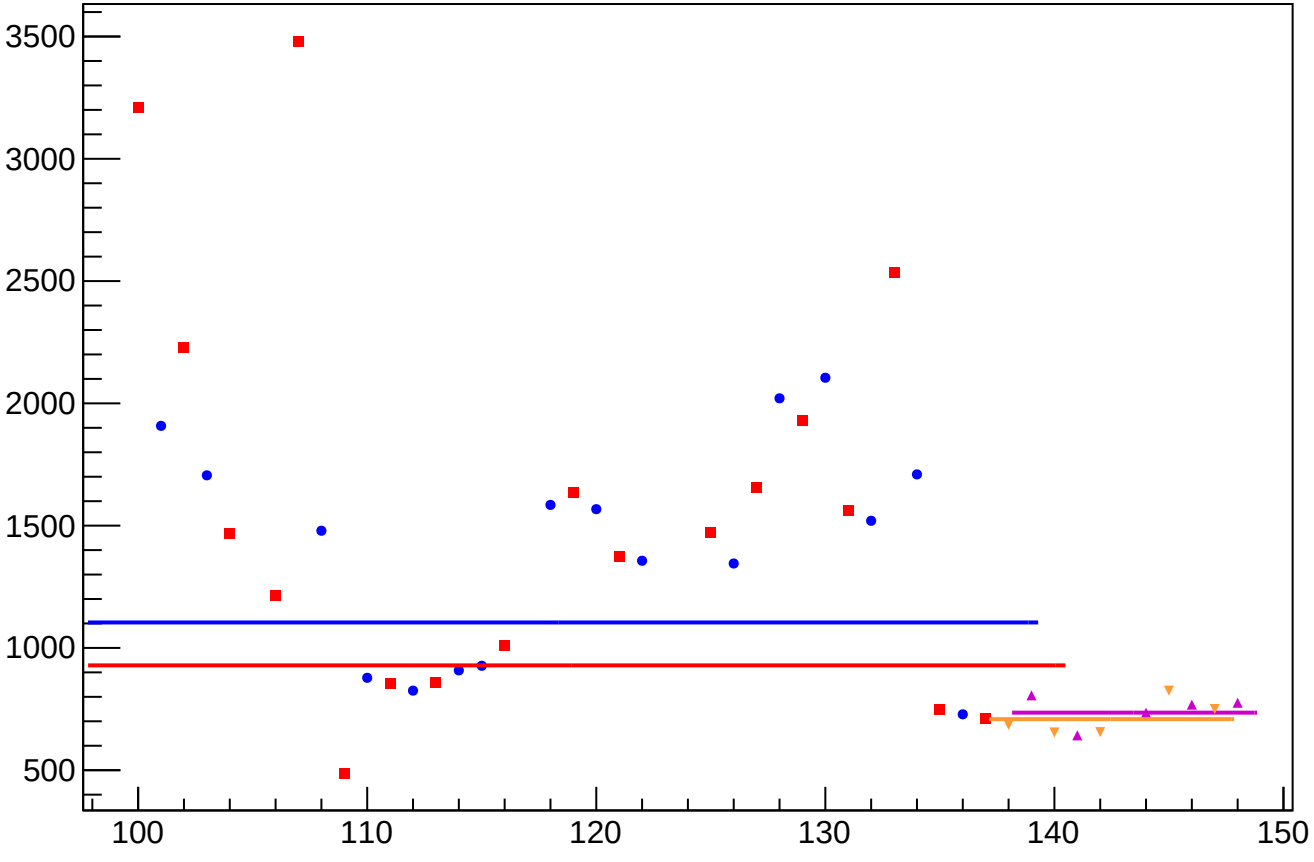
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -54.523+/-276.430 χ^2/NDF:29.0/20

Out: 321.286+/-270.481 χ^2/NDF:34.7/22

All: 137.469+/-193.328 χ^2/NDF: 64.7/43

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: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

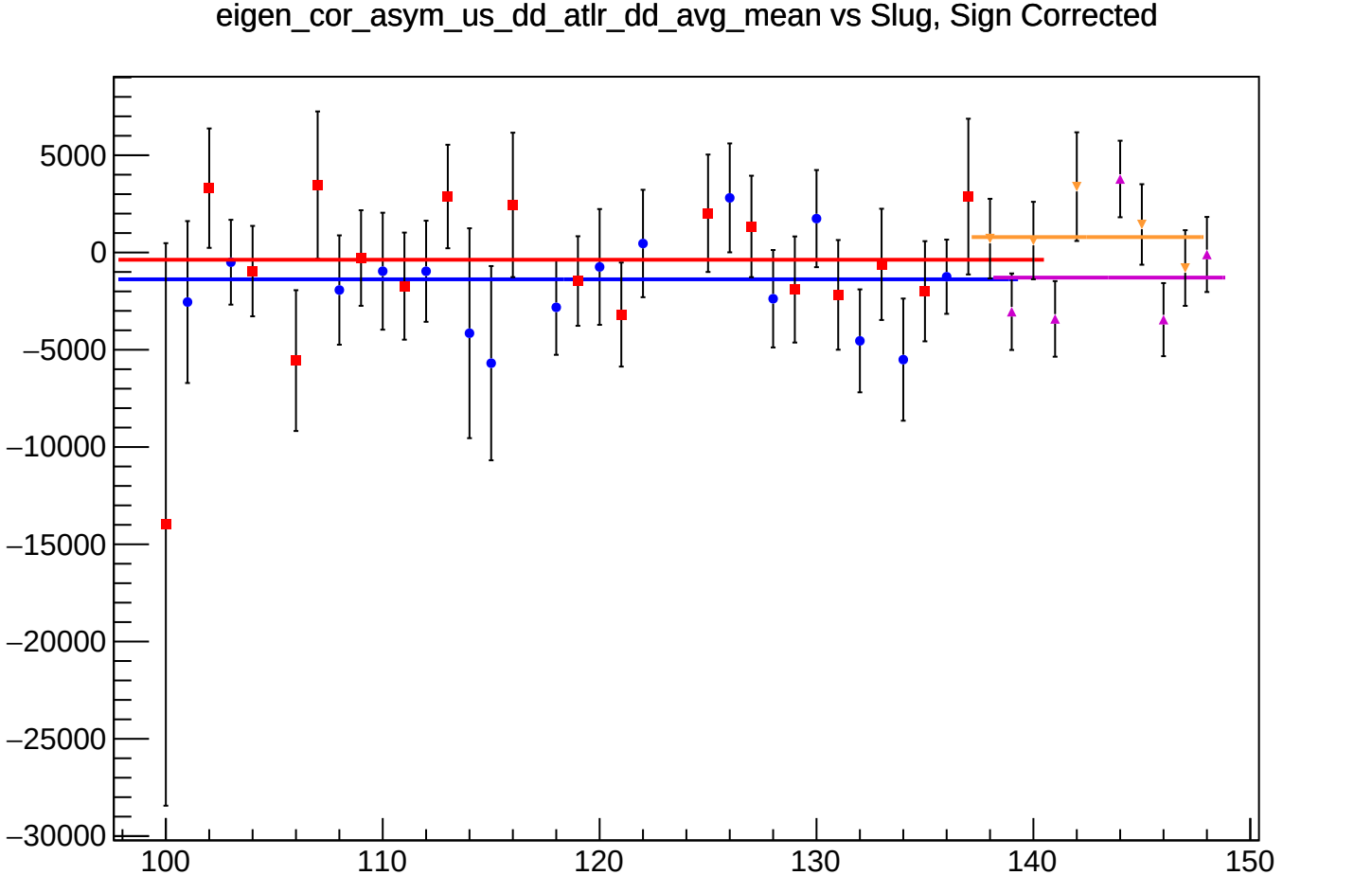
Left: 722.724+/-0.181 χ^2/NDF: 119081.5/9

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 879.263+/-0.195 χ^2/NDF:2798707.6/20

Out: 811.982+/-0.191 χ^2/NDF:3439657.4/22

All: 844.891+/-0.137 χ^2/NDF: 6298893.5/43



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.517+/-946.056 χ^2/NDF:1.6/4

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1289.543+/-866.032 χ^2/NDF:10.3/4

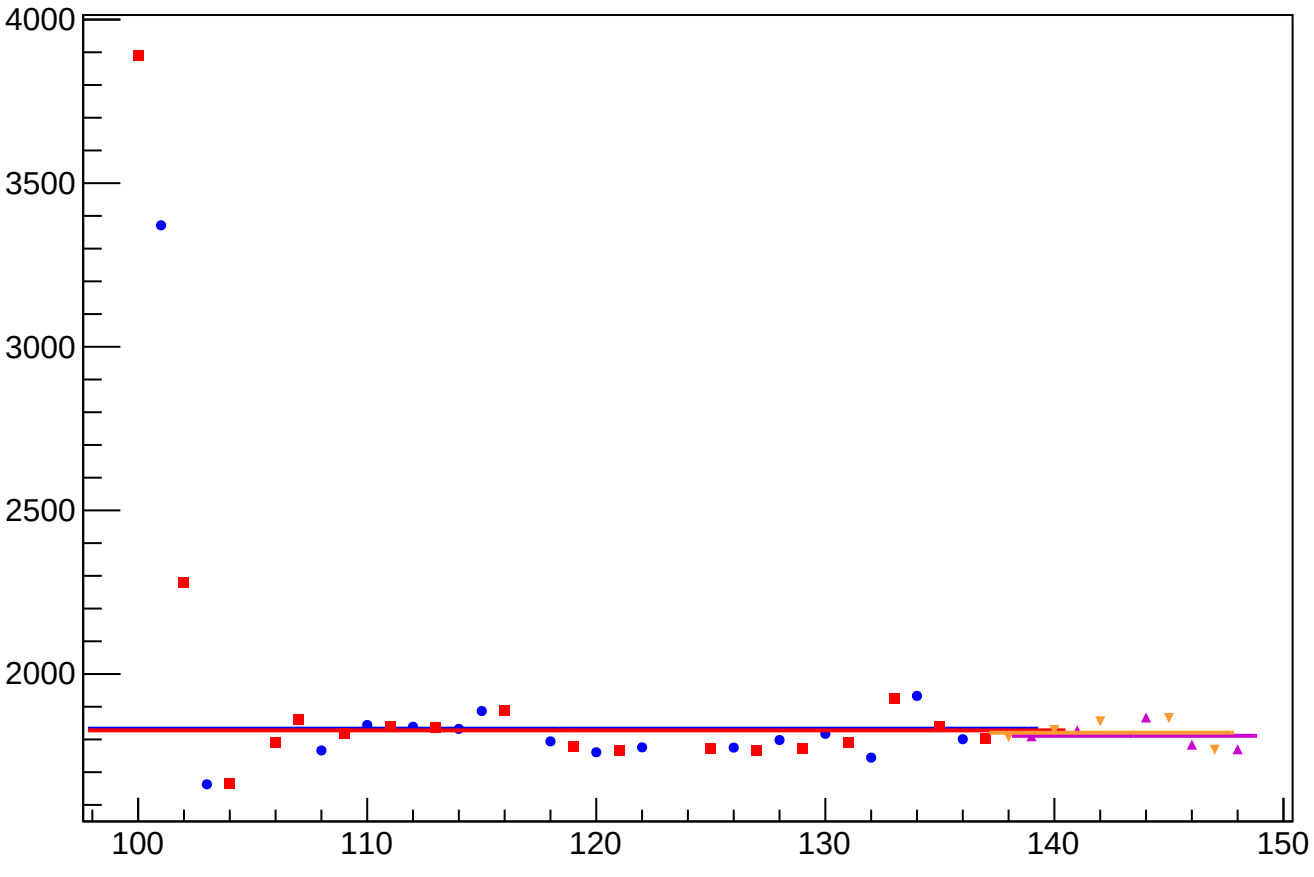
Left: -340.281+/-638.798 χ^2/NDF: 14.6/9

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1343.793+/-539.193 χ^2/NDF:19.6/20

Out: 27.725+/-554.517 χ^2/NDF:14.6/22

All: -677.247+/-386.571 χ^2/NDF: 37.4/43



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

Left: 1815.458+/-0.452 χ^2/NDF: 6001.9/9

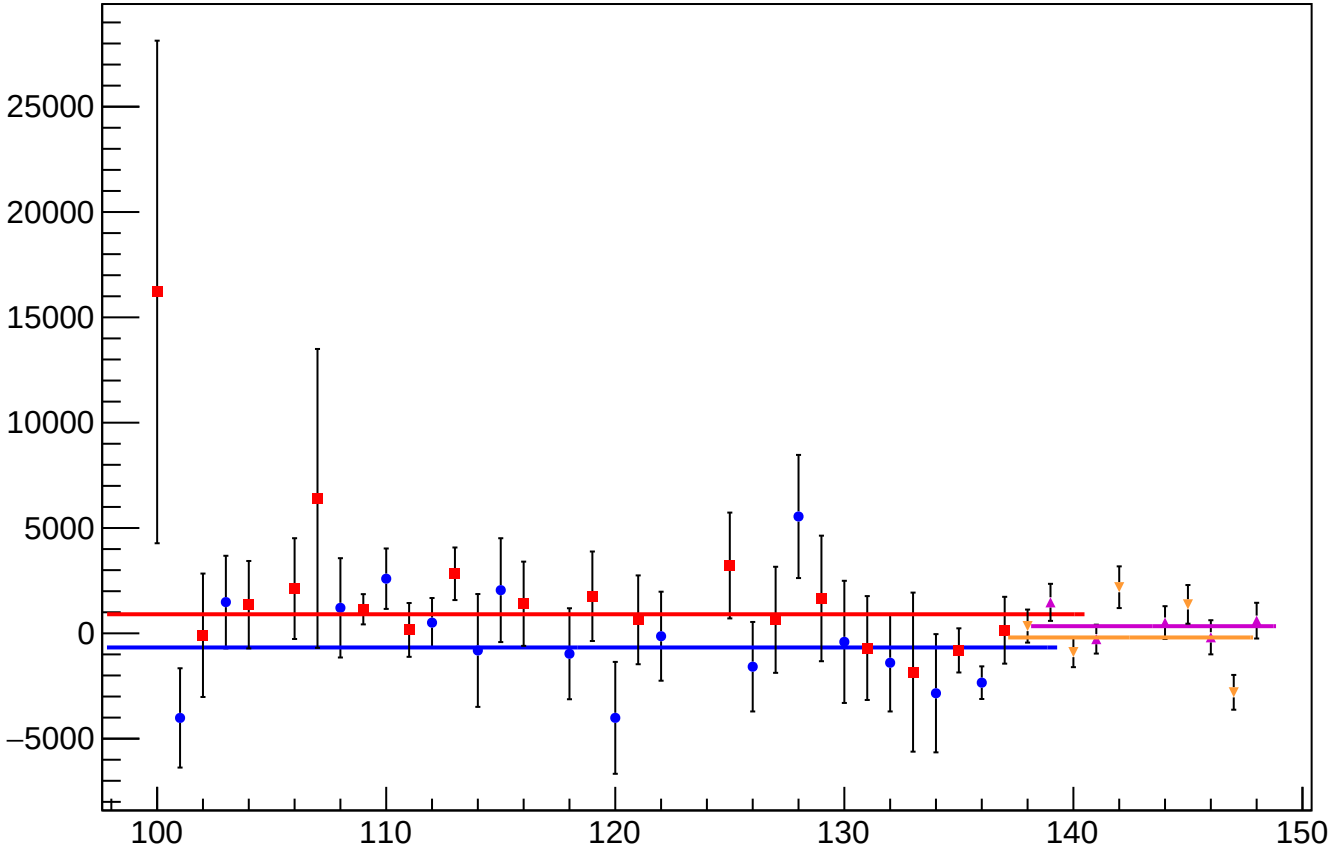
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1824.500+/-0.381 χ^2/NDF:299316.6/20

Out: 1825.314+/-0.392 χ^2/NDF:105139.8/22

All: 1824.896+/-0.273 χ^2/NDF: 404458.6/43

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: -195.750+/-371.303 χ^2/NDF:20.1/4

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 339.722+/-354.002 χ^2/NDF:3.0/4

Left: 84.752+/-256.215 χ^2/NDF: 24.2/9

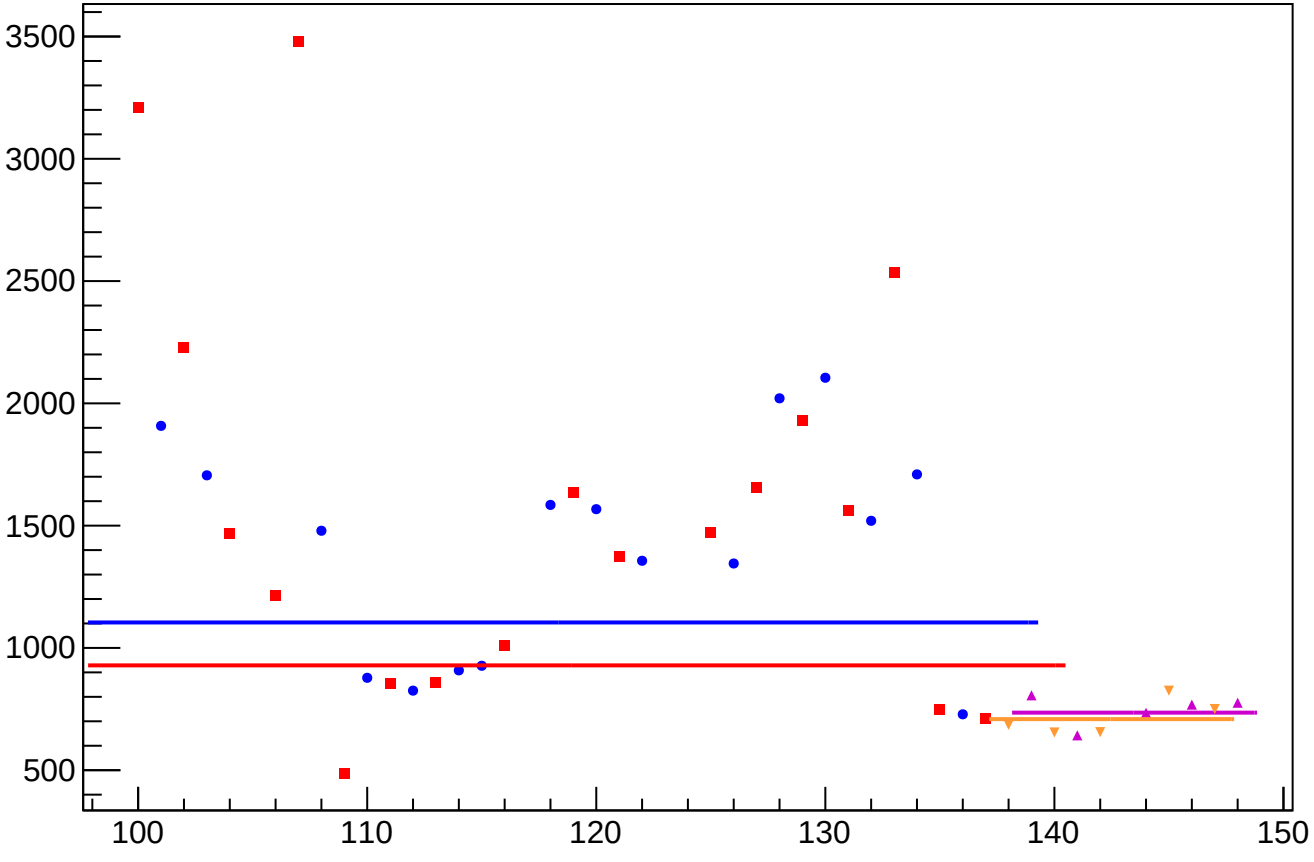
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -54.523+/-276.430 χ^2/NDF:29.0/20

Out: 321.286+/-270.481 χ^2/NDF:34.7/22

All: 137.469+/-193.328 χ^2/NDF: 64.7/43

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: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

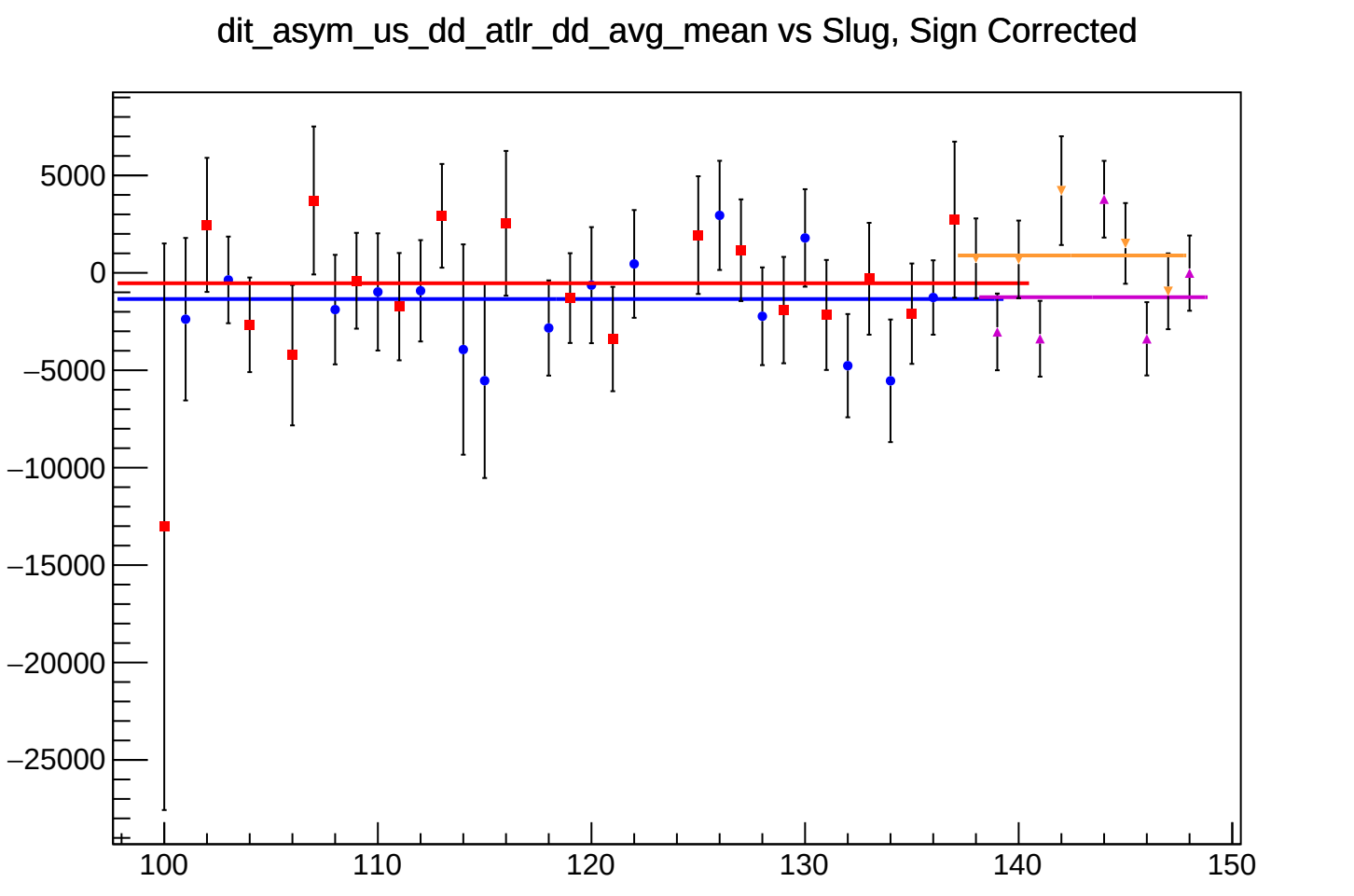
Left: 722.724+/-0.181 χ^2/NDF: 119081.5/9

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

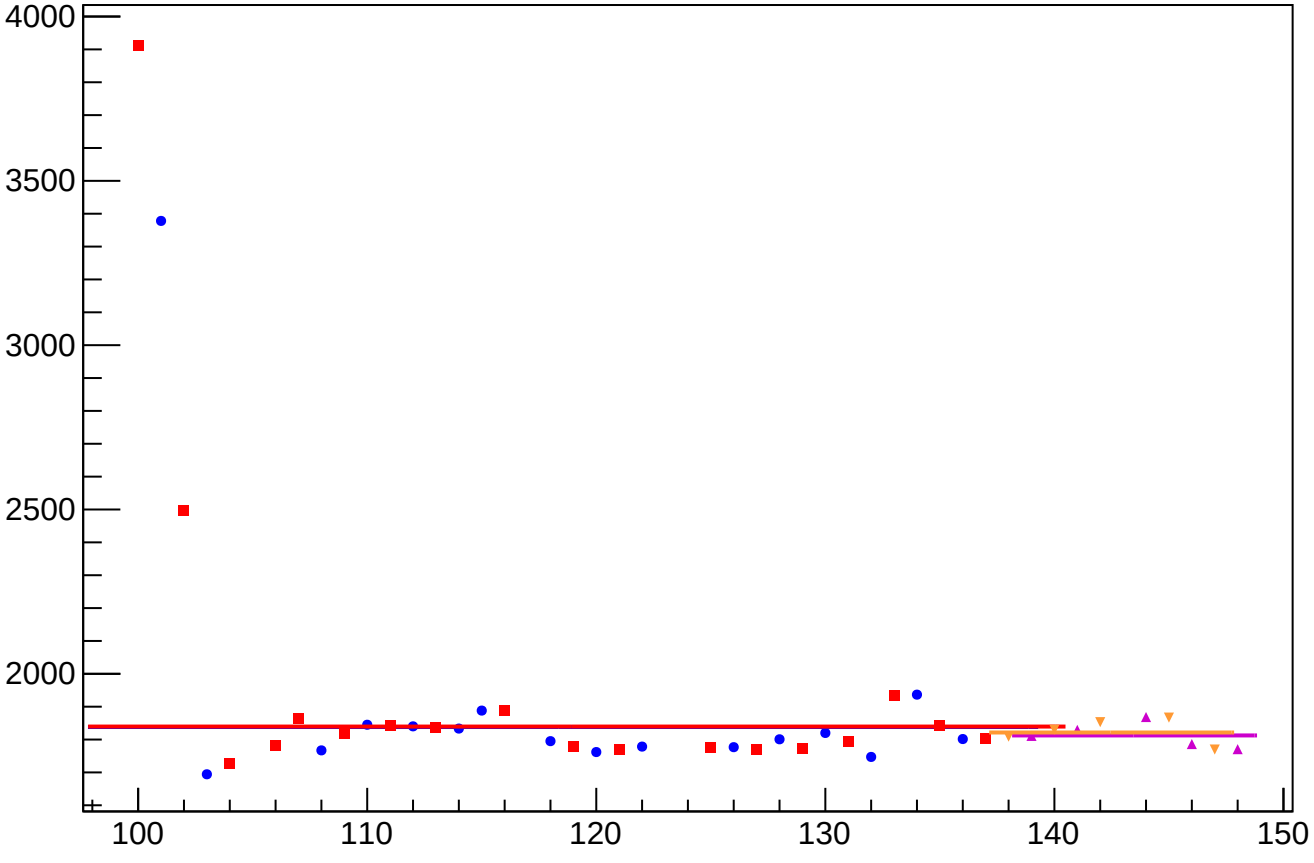
In: 879.263+/-0.195 χ^2/NDF:2798707.6/20

Out: 811.982+/-0.191 χ^2/NDF:3439657.4/22

All: 844.891+/-0.137 χ^2/NDF: 6298893.5/43


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: 891.410+/-946.529 χ²/NDF:2.4/4
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -1249.537+/-866.672 χ²/NDF:10.2/4
Left: -273.172+/-639.200 χ²/NDF: 15.4/9
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1307.263+/-540.262 χ²/NDF:19.9/20
Out: -38.590+/-558.086 χ²/NDF:15.0/22
All: -693.510+/-388.171 χ²/NDF: 37.5/43

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1821.467+/-0.669 χ^2/NDF:2742.8/4

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

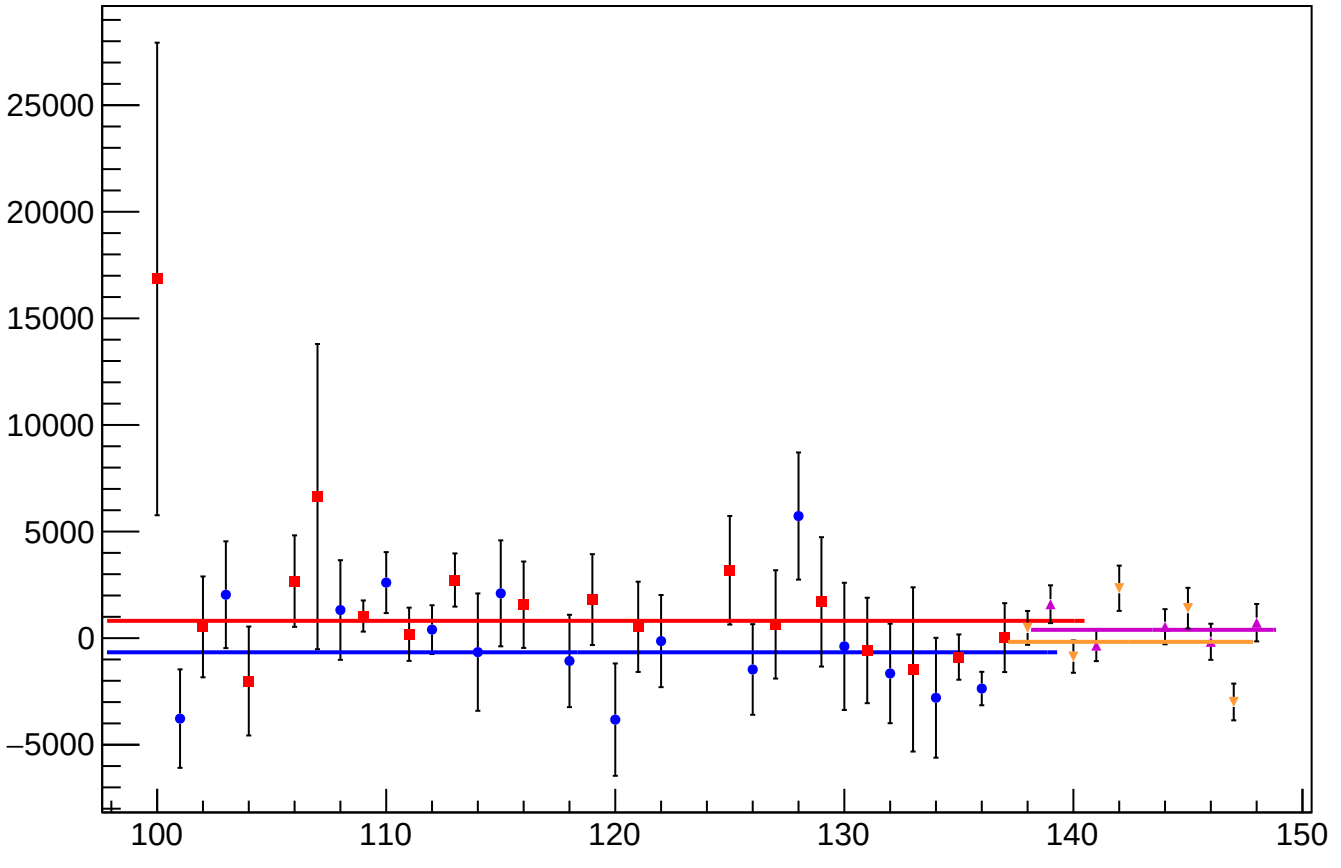
Left: 1816.585+/-0.452 χ^2/NDF: 5935.4/9

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1828.185+/-0.382 χ^2/NDF:296151.3/20

Out: 1833.242+/-0.395 χ^2/NDF:131470.8/22

All: 1830.632+/-0.274 χ^2/NDF: 427706.9/43



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -173.492+/-387.227 χ^2/NDF:20.6/4

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 389.920+/-369.643 χ^2/NDF:3.5/4

Left: 121.297+/-267.377 χ^2/NDF: 25.2/9

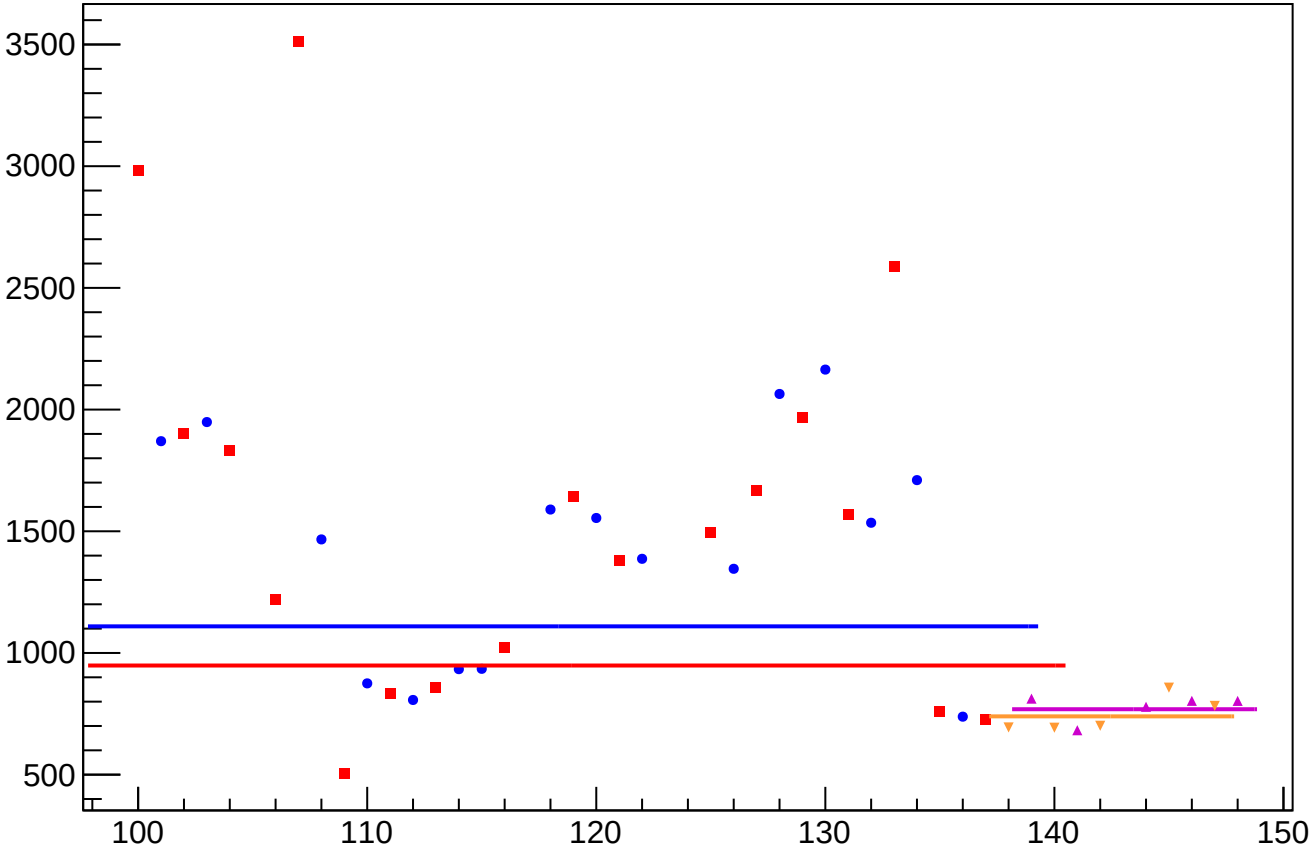
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -39.135+/-284.576 χ^2/NDF:29.6/20

Out: 306.834+/-277.265 χ^2/NDF:36.0/22

All: 138.351+/-198.591 χ^2/NDF: 66.3/43

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: 739.535+/-0.274 χ^2/NDF:52443.4/4

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 768.875+/-0.261 χ^2/NDF:39568.7/4

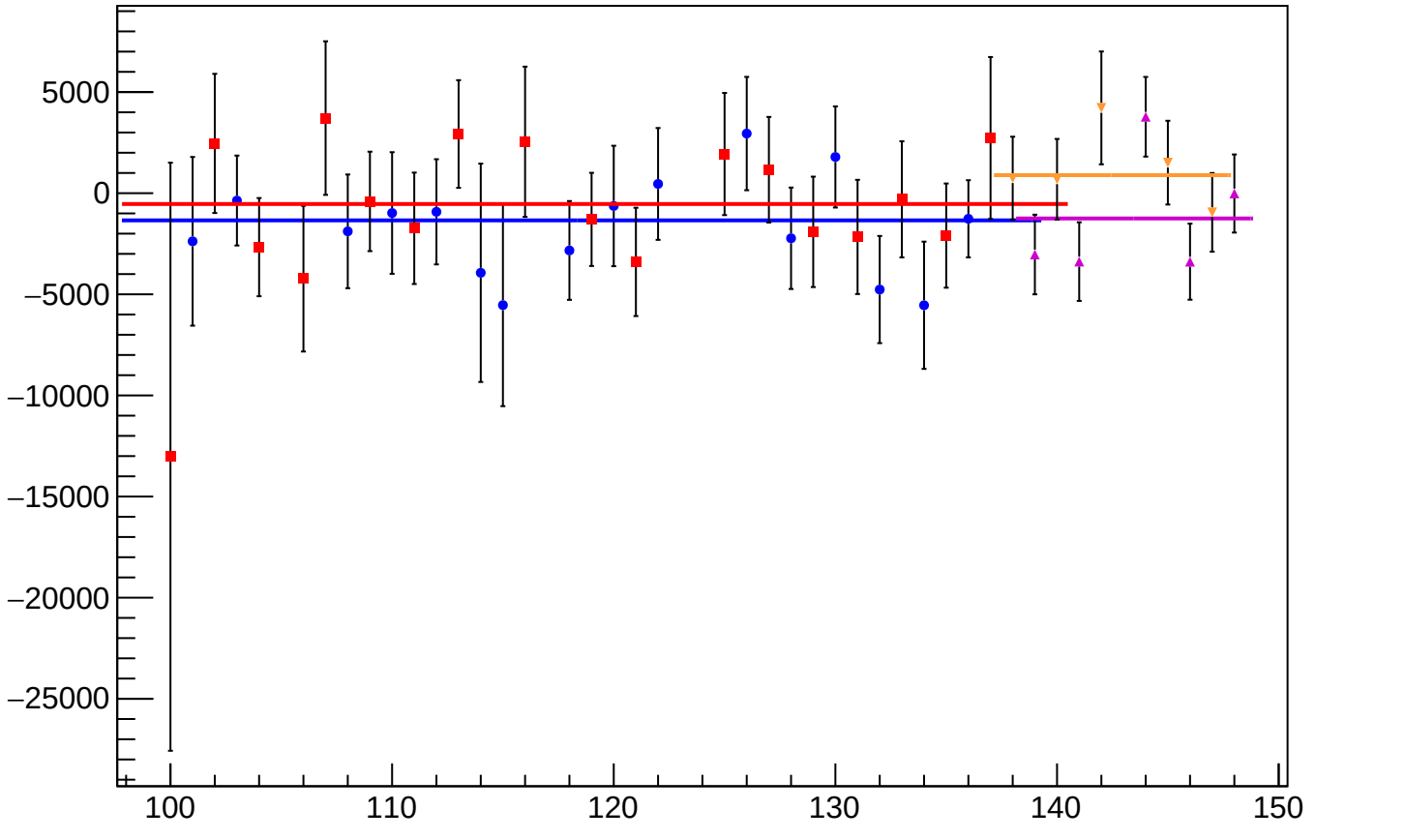
Left: 754.886+/-0.189 χ^2/NDF: 98019.6/9

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 907.556+/-0.201 χ^2/NDF:2704100.0/20

Out: 841.335+/-0.196 χ^2/NDF:3389768.0/22

All: 873.584+/-0.140 χ^2/NDF: 6149426.6/43



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 891.413+/-946.529 χ^2/NDF:2.4/4

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -1249.532+/-866.672 χ^2/NDF:10.2/4

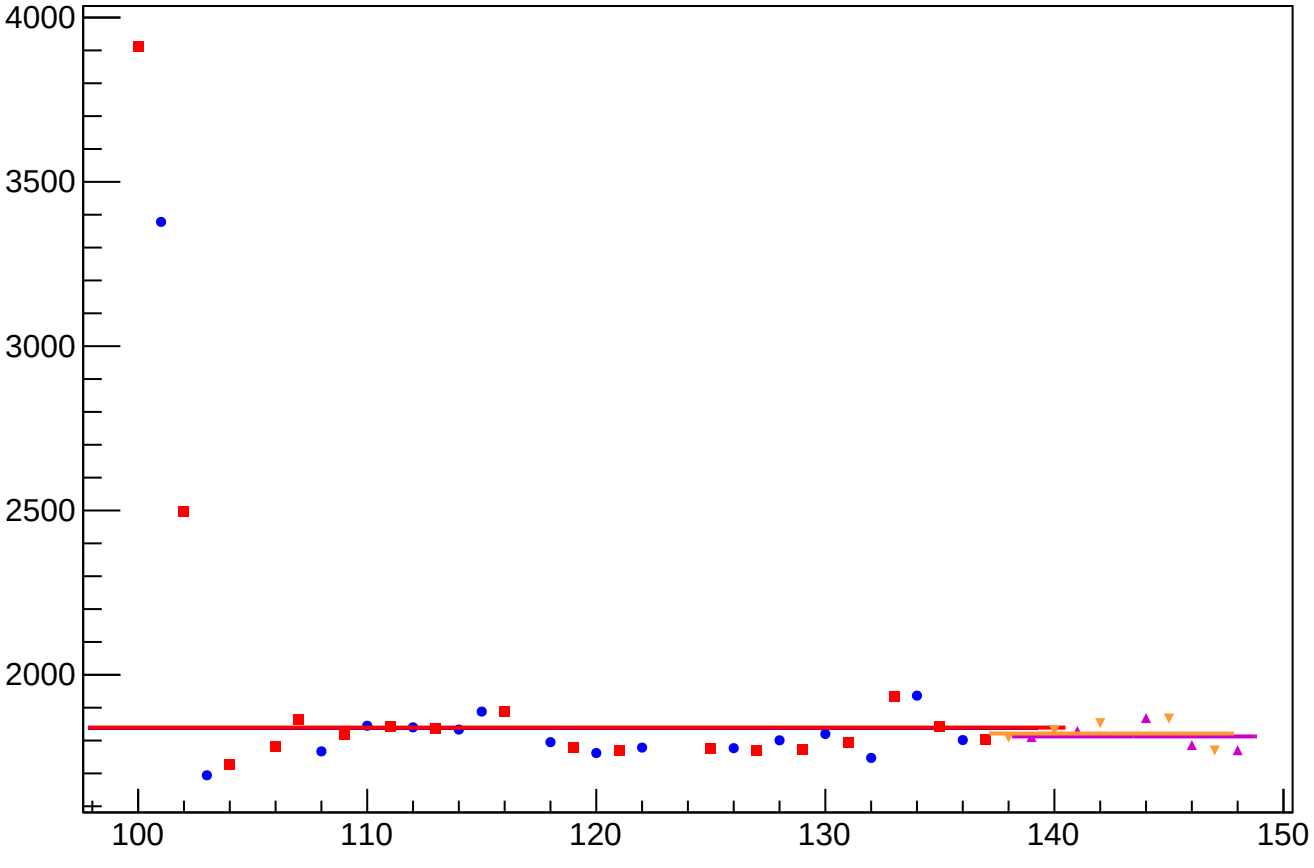
Left: -273.168+/-639.200 χ^2/NDF: 15.4/9

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1307.262+/-540.262 χ^2/NDF:19.9/20

Out: -38.592+/-558.086 χ^2/NDF:15.0/22

All: -693.511+/-388.171 χ^2/NDF: 37.5/43



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1821.467+/-0.669 χ^2/NDF:2742.8/4

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

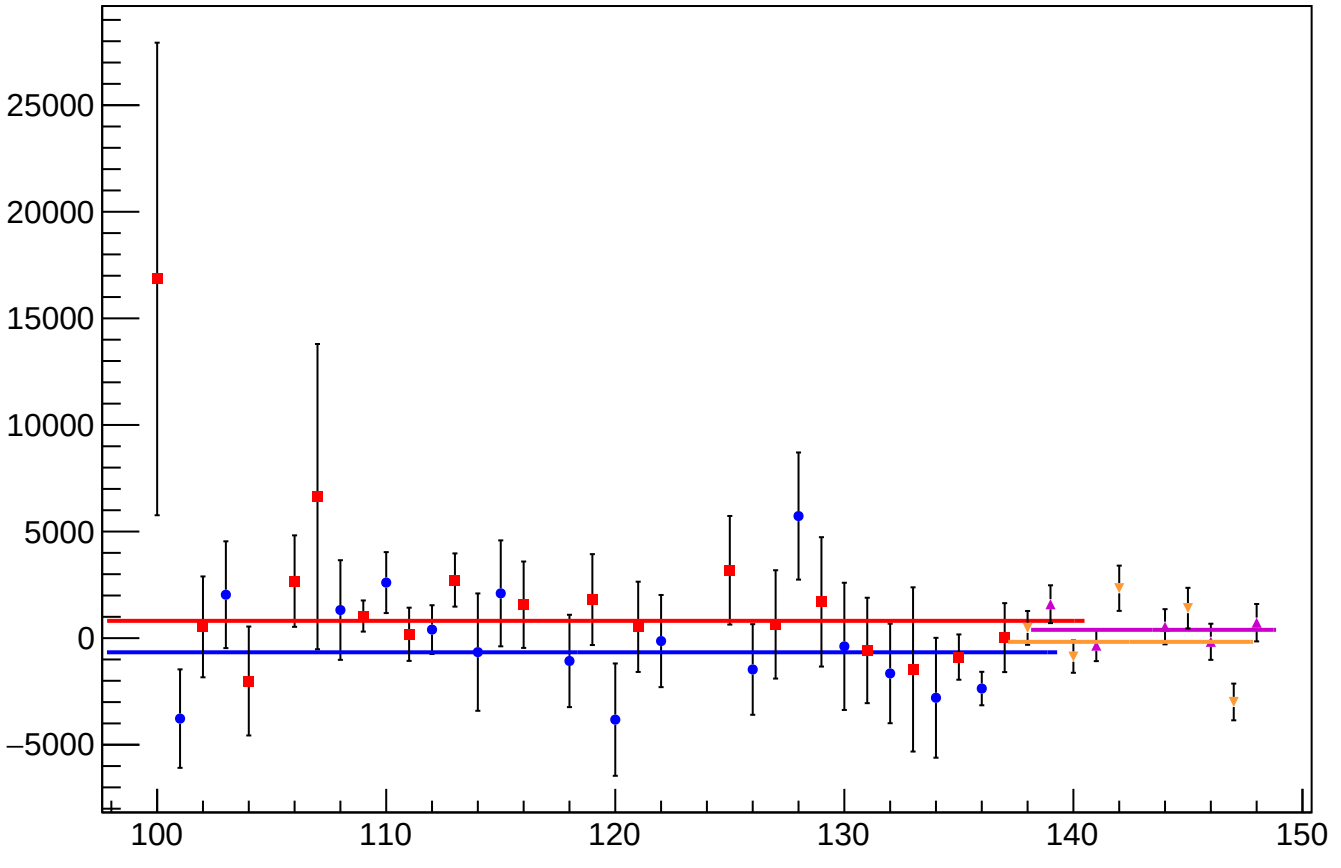
Left: 1816.585+/-0.452 χ^2/NDF: 5935.4/9

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1828.185+/-0.382 χ^2/NDF:296151.3/20

Out: 1833.242+/-0.395 χ^2/NDF:131470.8/22

All: 1830.632+/-0.274 χ^2/NDF: 427706.9/43



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -173.497+/-387.229 χ^2/NDF:20.6/4

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 389.917+/-369.643 χ^2/NDF:3.5/4

Left: 121.294+/-267.378 χ^2/NDF: 25.2/9

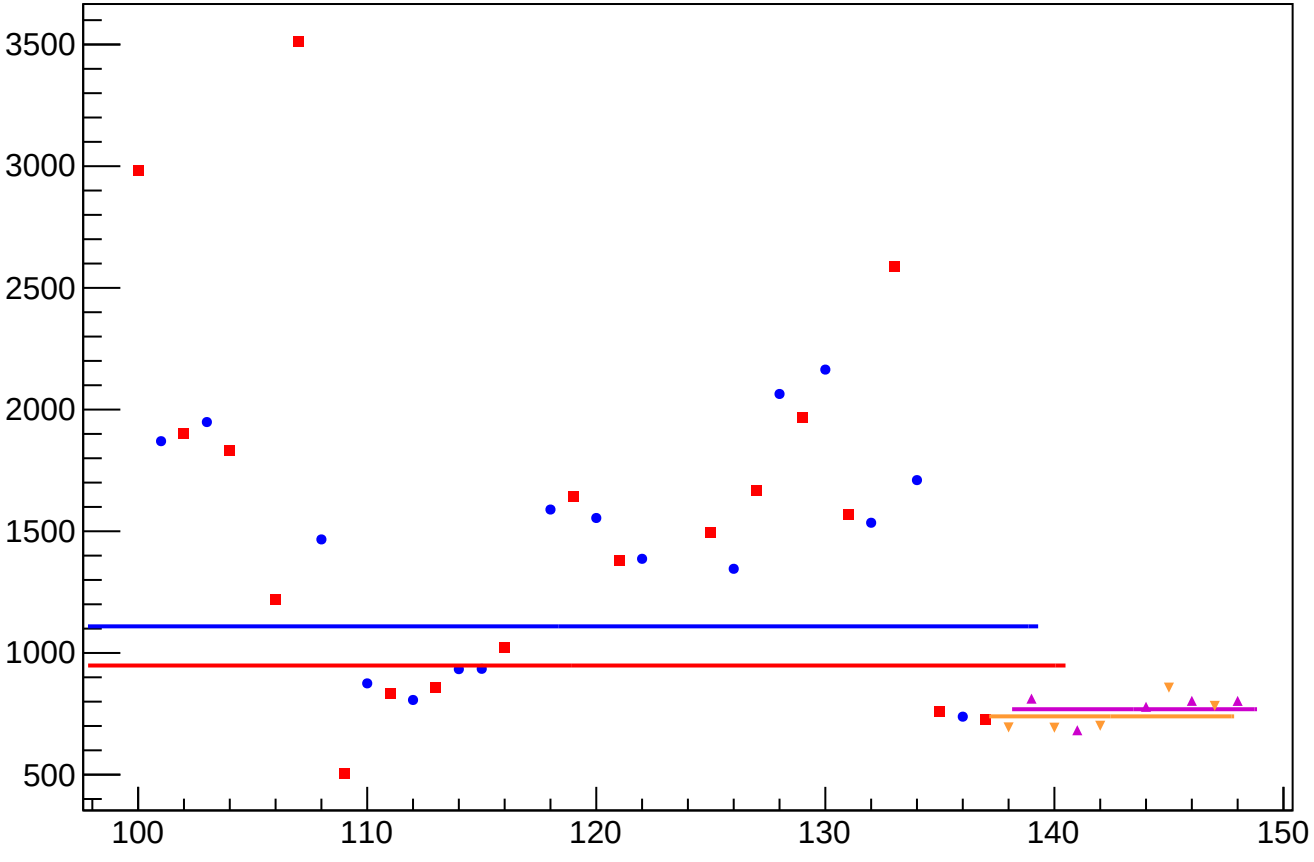
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -39.132+/-284.577 χ^2/NDF:29.6/20

Out: 306.837+/-277.266 χ^2/NDF:36.0/22

All: 138.354+/-198.591 χ^2/NDF: 66.3/43

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: 739.540+/-0.274 χ^2/NDF:52436.8/4

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 768.876+/-0.261 χ^2/NDF:39569.1/4

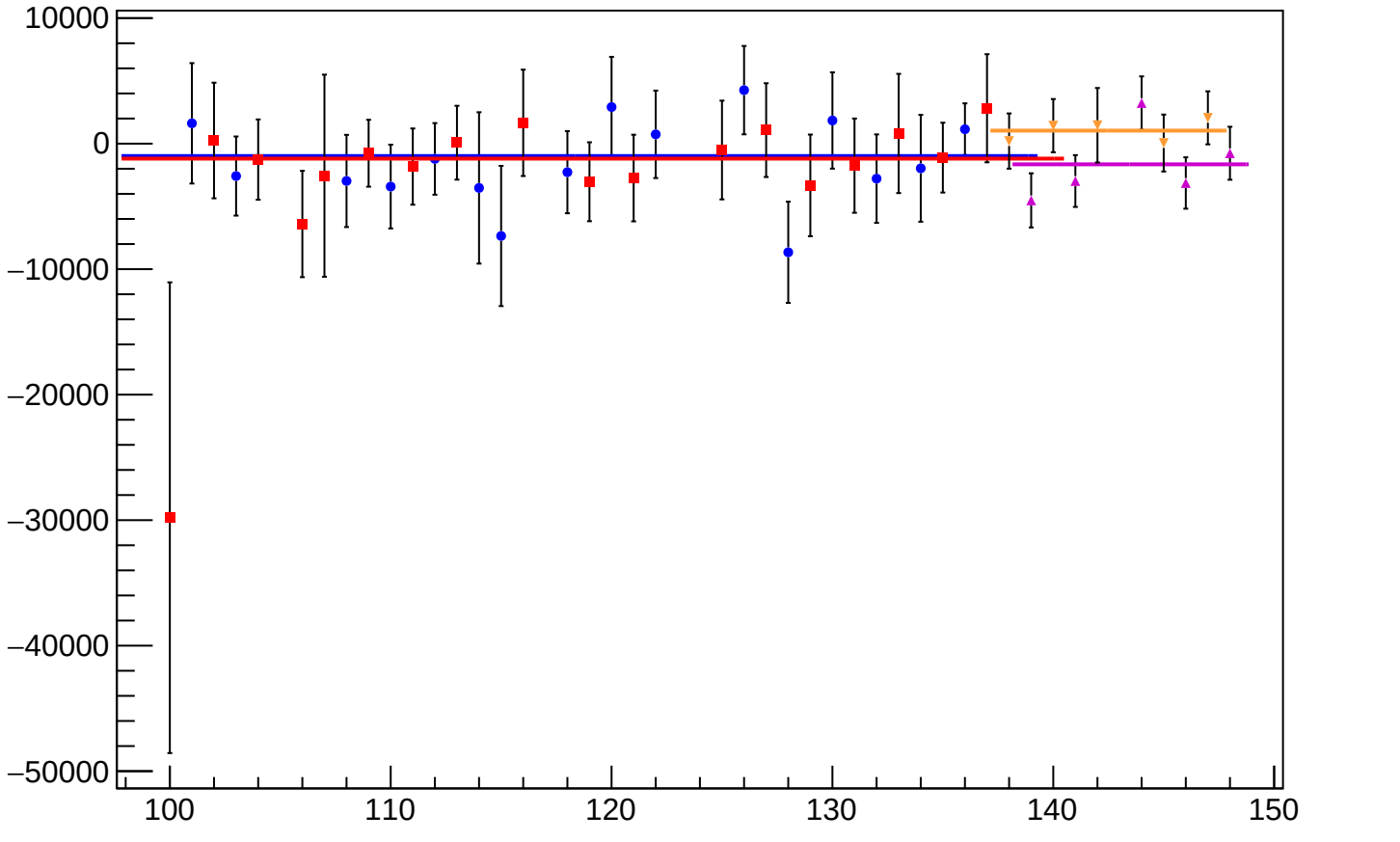
Left: 754.889+/-0.189 χ^2/NDF: 98011.9/9

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 907.558+/-0.201 χ^2/NDF:2704064.6/20

Out: 841.339+/-0.196 χ^2/NDF:3389726.2/22

All: 873.587+/-0.140 χ^2/NDF: 6149345.7/43



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1039.254+/-1020.238 χ^2/NDF:0.6/4

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1647.566+/-939.001 χ^2/NDF:8.2/4

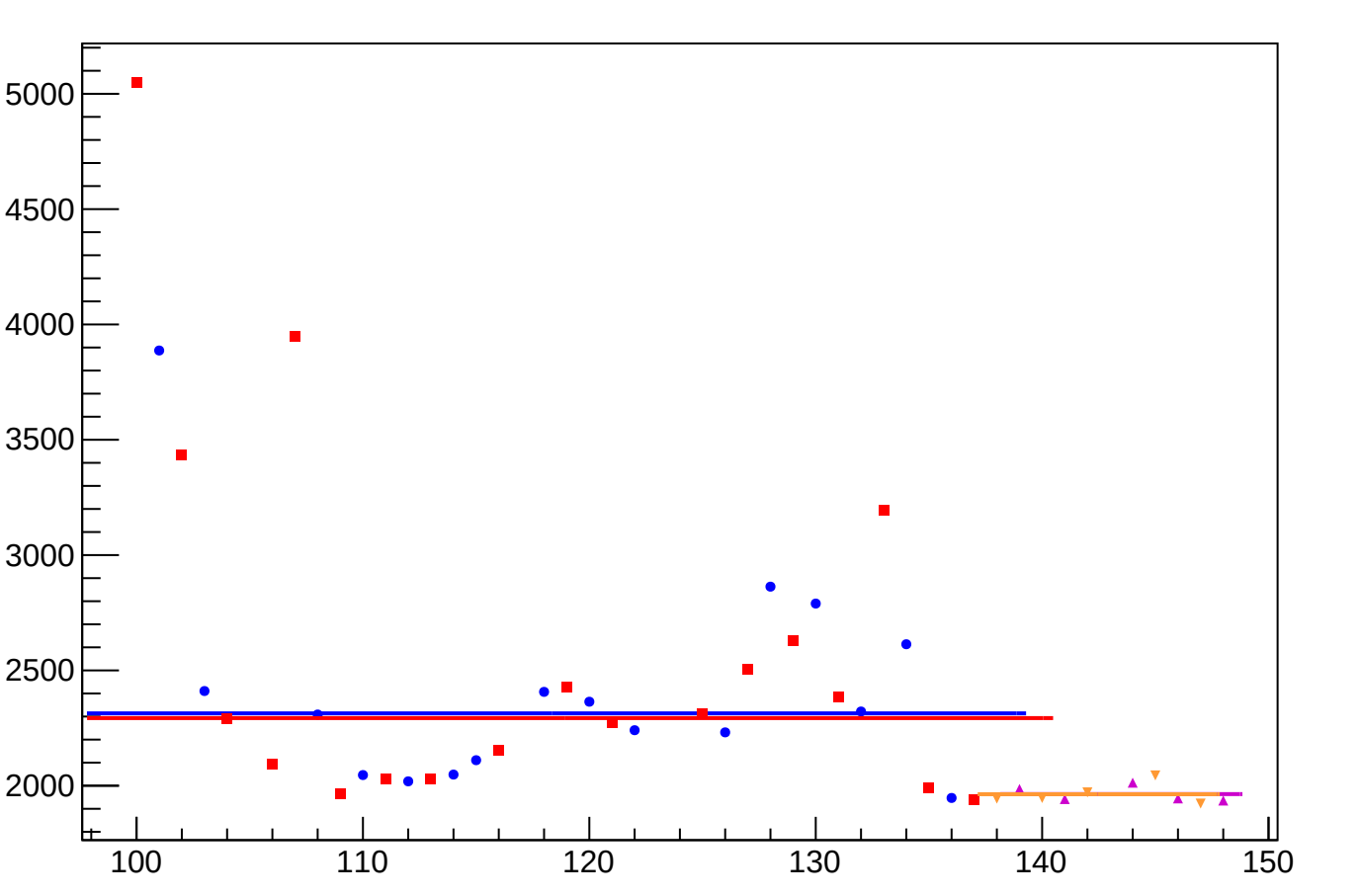
Left: -415.369+/-690.911 χ^2/NDF: 12.6/9

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1293.855+/-639.695 χ^2/NDF:20.4/20

Out: -252.161+/-662.181 χ^2/NDF:10.4/22

All: -790.995+/-460.077 χ^2/NDF: 32.1/43



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1963.170+/-0.721 χ^2/NDF:3609.8/4

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.707+/-0.664 χ^2/NDF:2034.3/4

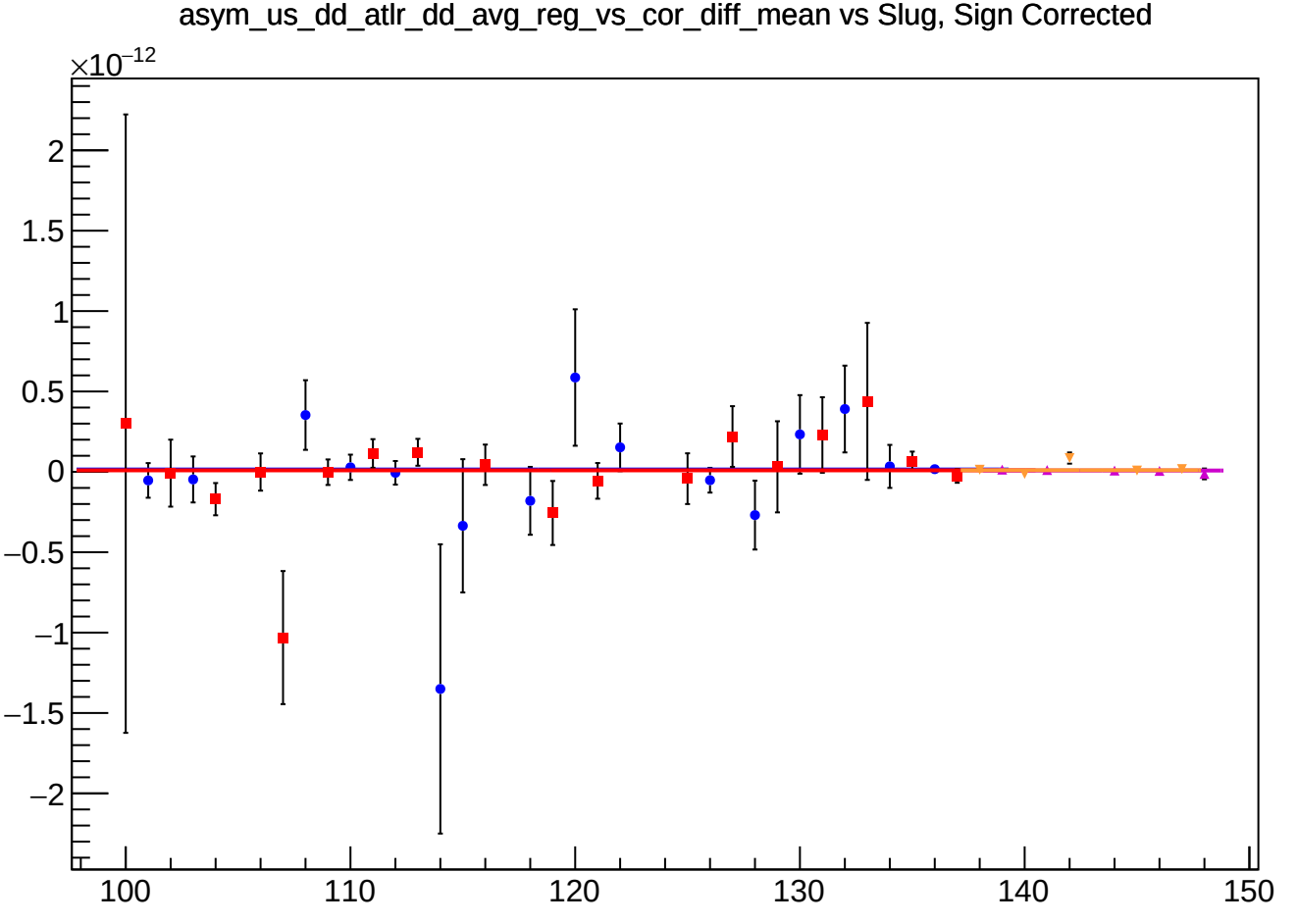
Left: 1963.461+/-0.489 χ^2/NDF: 5644.4/9

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2151.290+/-0.452 χ^2/NDF:553727.3/20

Out: 2154.215+/-0.468 χ^2/NDF:577987.0/22

All: 2152.702+/-0.325 χ^2/NDF: 1131734.5/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/4

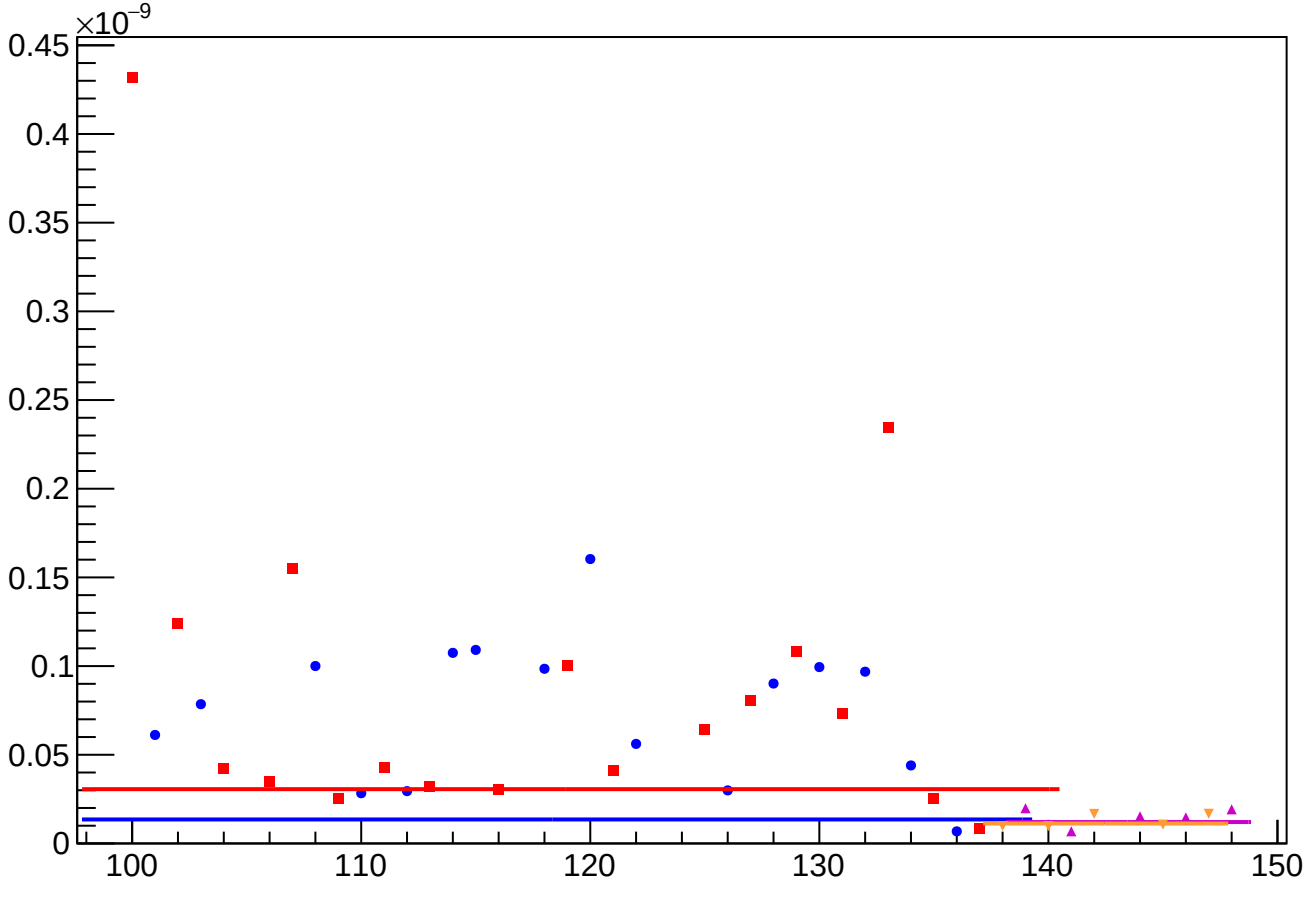
Left: 0.000+/-0.000 χ^2/NDF: 7.0/9

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.6/20

Out: 0.000+/-0.000 χ^2/NDF:26.0/22

All: 0.000+/-0.000 χ^2/NDF: 41.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:142175.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:549587.1/4

Left: 0.000+/-0.000 χ^2/NDF: 699162.7/9

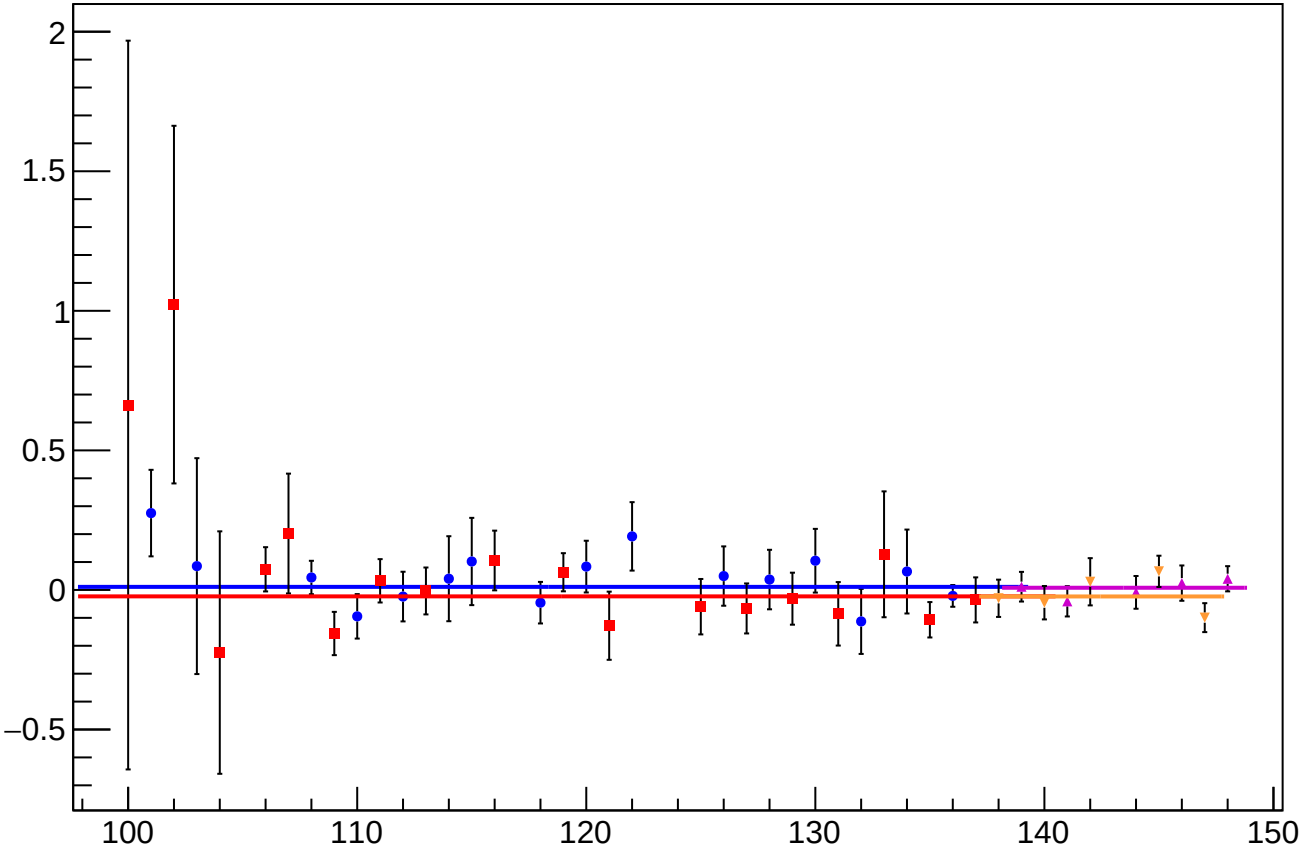
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3980018.4/20

Out: 0.000+/-0.000 χ^2/NDF:3604916.8/22

All: 0.000+/-0.000 χ^2/NDF: 7610523.3/43

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.024 χ^2/NDF:1.5/4

Left: -0.006+/-0.018 χ^2/NDF: 7.4/9

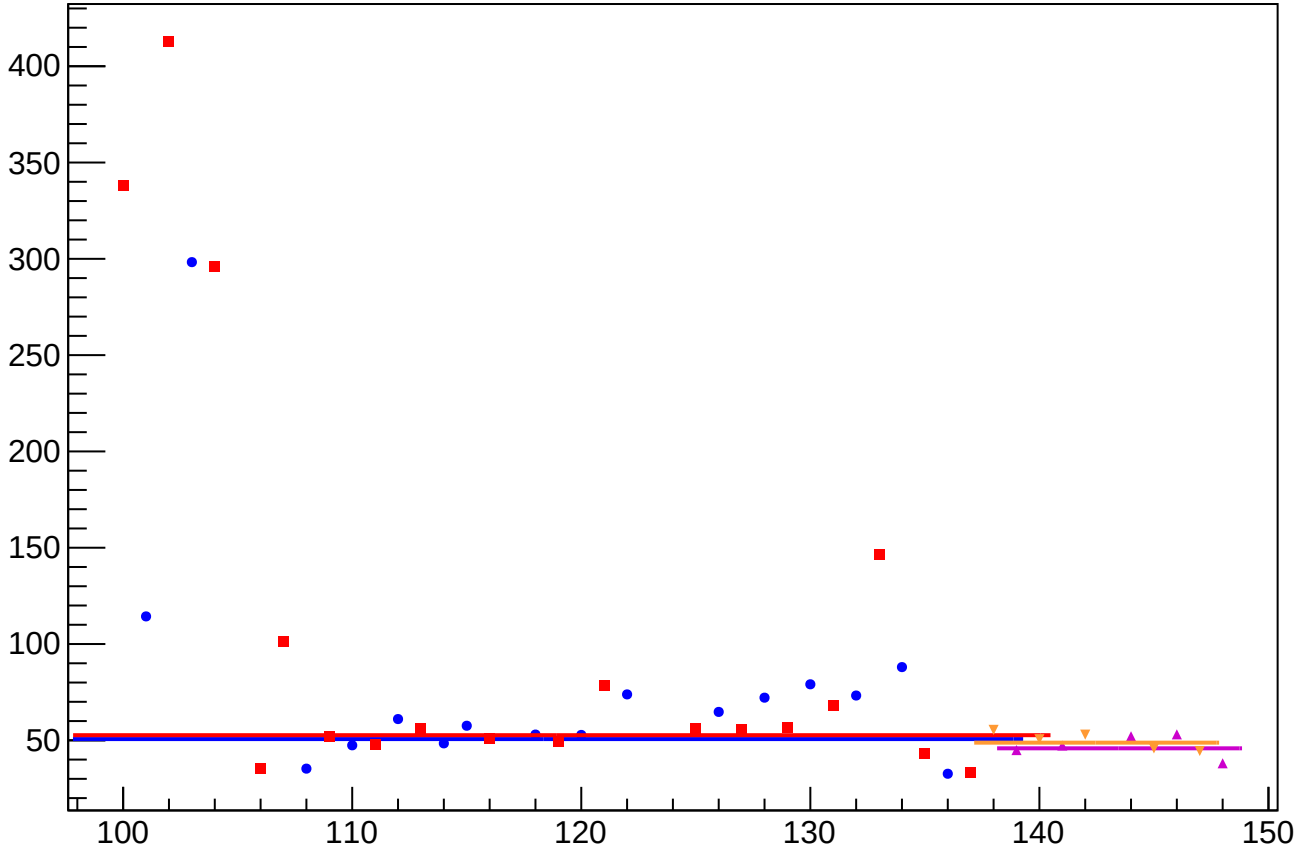
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.005+/-0.012 χ^2/NDF: 36.3/43

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: 48.791+/-0.019 χ^2/NDF:46103.0/4

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

Left: 47.130+/-0.013 χ^2/NDF: 169427.3/9

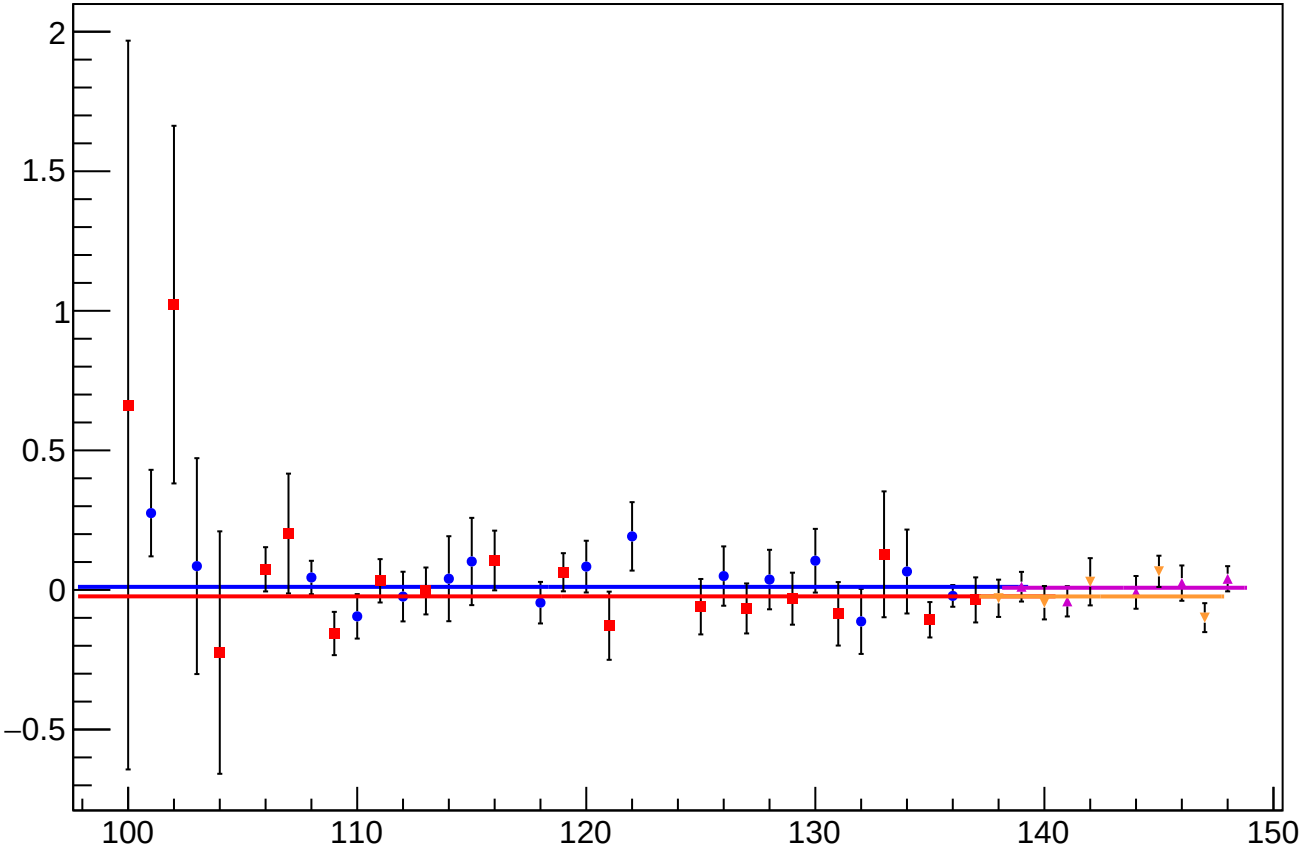
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.476+/-0.011 χ^2/NDF:2420248.8/20

Out: 51.054+/-0.012 χ^2/NDF:2281429.4/22

All: 49.653+/-0.008 χ^2/NDF: 4724826.5/43

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.024 χ^2/NDF:1.5/4

Left: -0.006+/-0.018 χ^2/NDF: 7.4/9

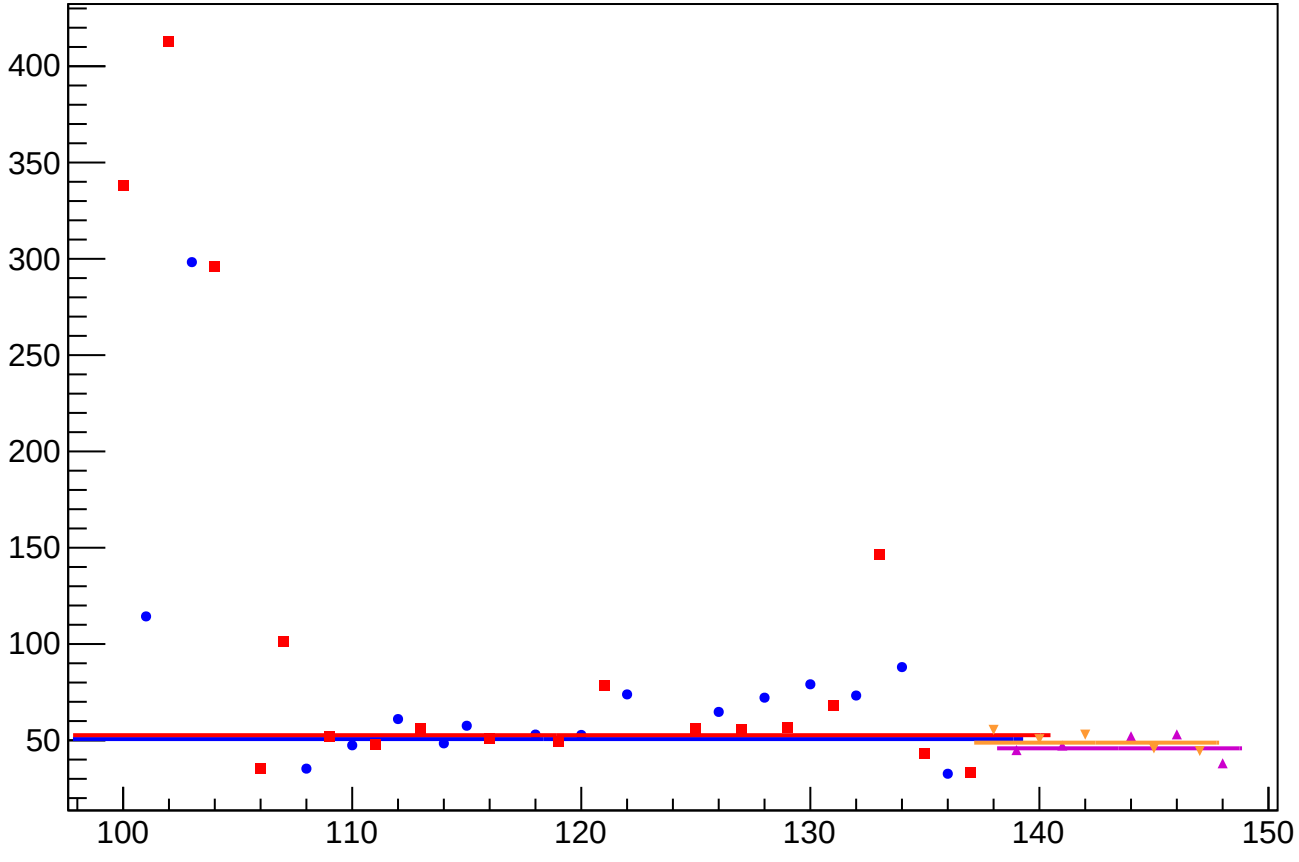
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.005+/-0.012 χ^2/NDF: 36.3/43

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: 48.791+/-0.019 χ^2/NDF:46103.0/4

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

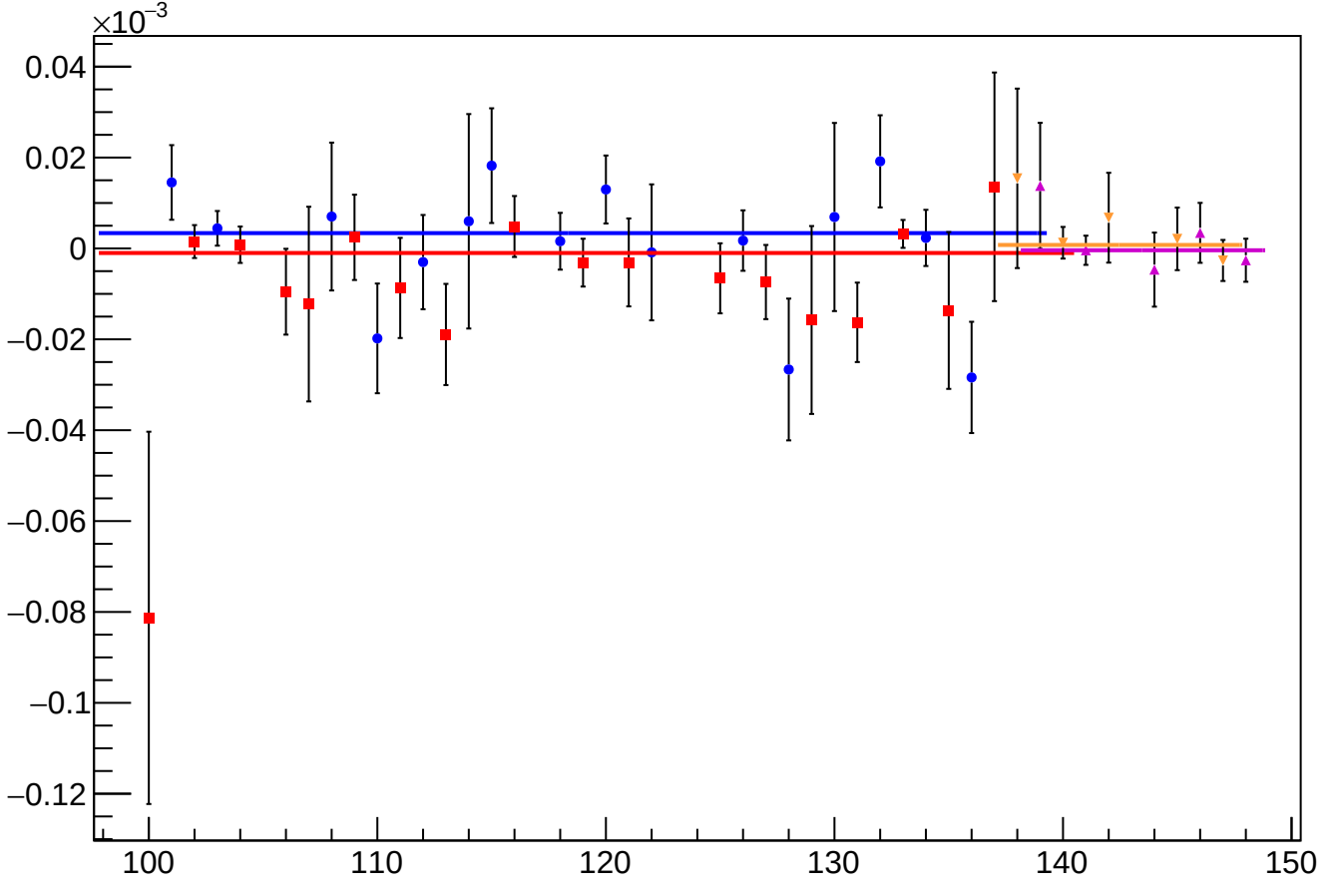
Left: 47.130+/-0.013 χ^2/NDF: 169427.3/9

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.476+/-0.011 χ^2/NDF:2420248.8/20

Out: 51.054+/-0.012 χ^2/NDF:2281429.4/22

All: 49.653+/-0.008 χ^2/NDF: 4724826.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

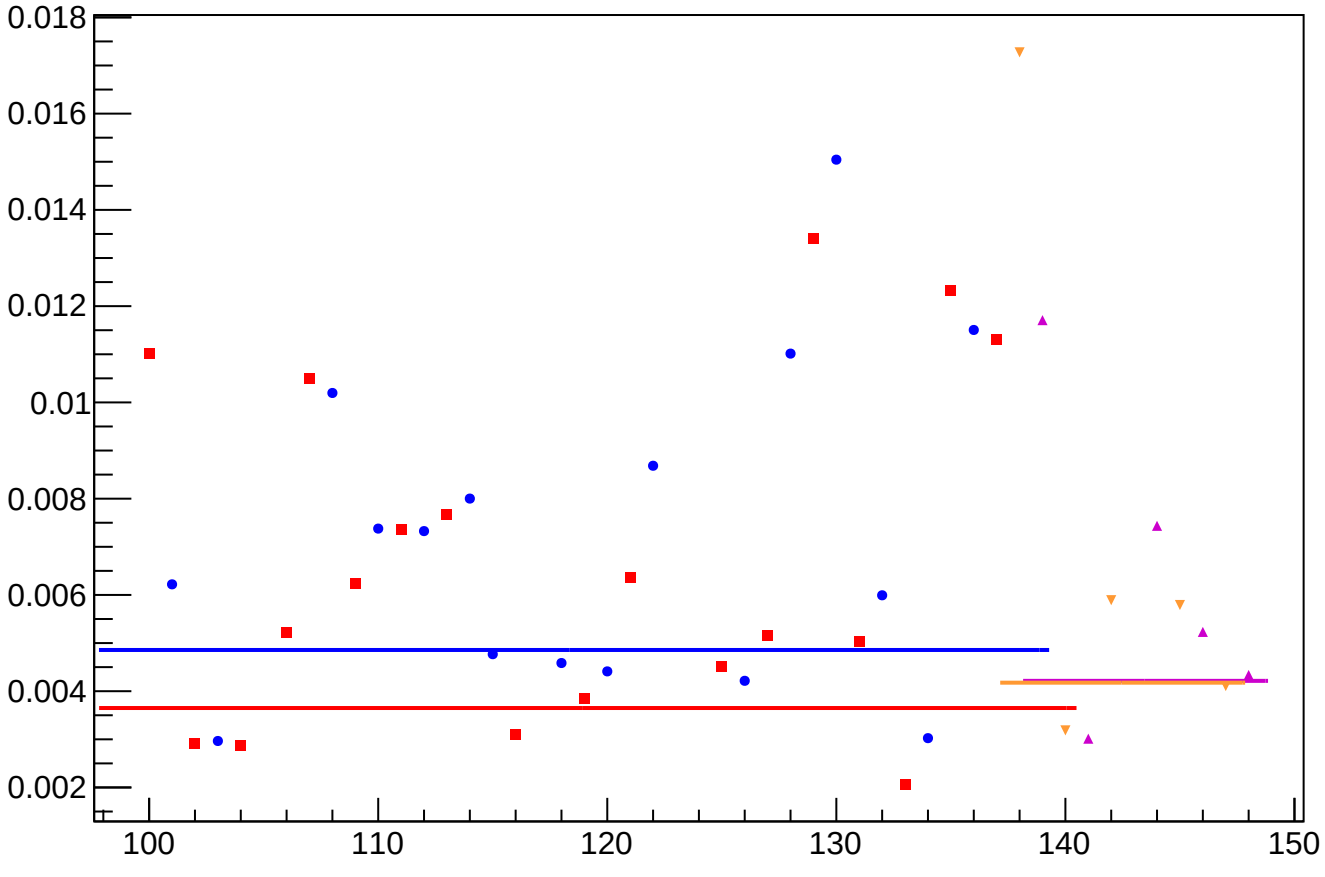
Left: 0.000+/-0.000 χ^2/NDF: 3.5/9

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:25.5/20

Out: -0.000+/-0.000 χ^2/NDF:19.1/22

All: 0.000+/-0.000 χ^2/NDF: 45.8/43



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211815.9/4

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1224416.2/4

Left: 0.004+/-0.000 χ^2/NDF: 2436479.6/9

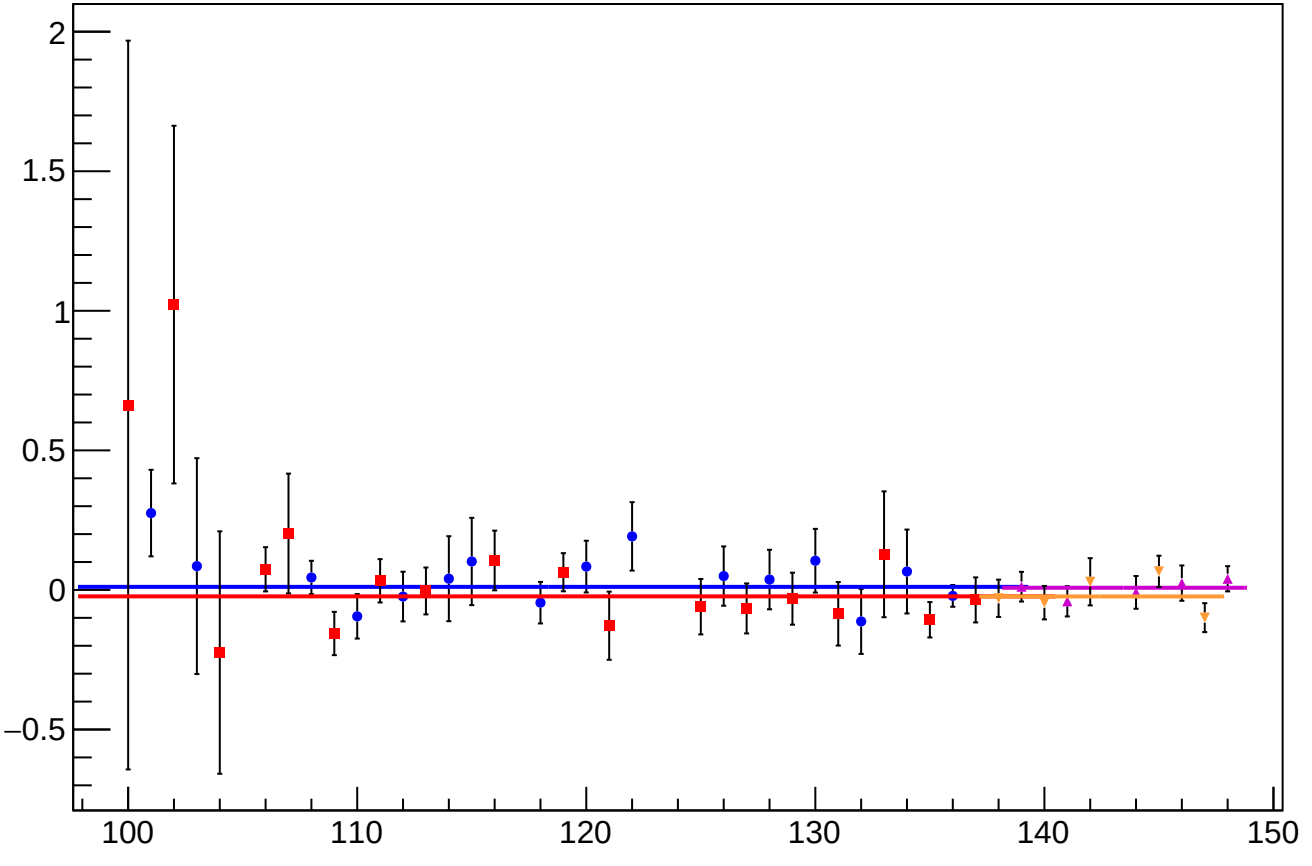
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:4054010.5/20

Out: 0.004+/-0.000 χ^2/NDF:4385900.7/22

All: 0.004+/-0.000 χ^2/NDF: 8724816.0/43

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.024 χ^2/NDF:1.5/4

Left: -0.006+/-0.018 χ^2/NDF: 7.4/9

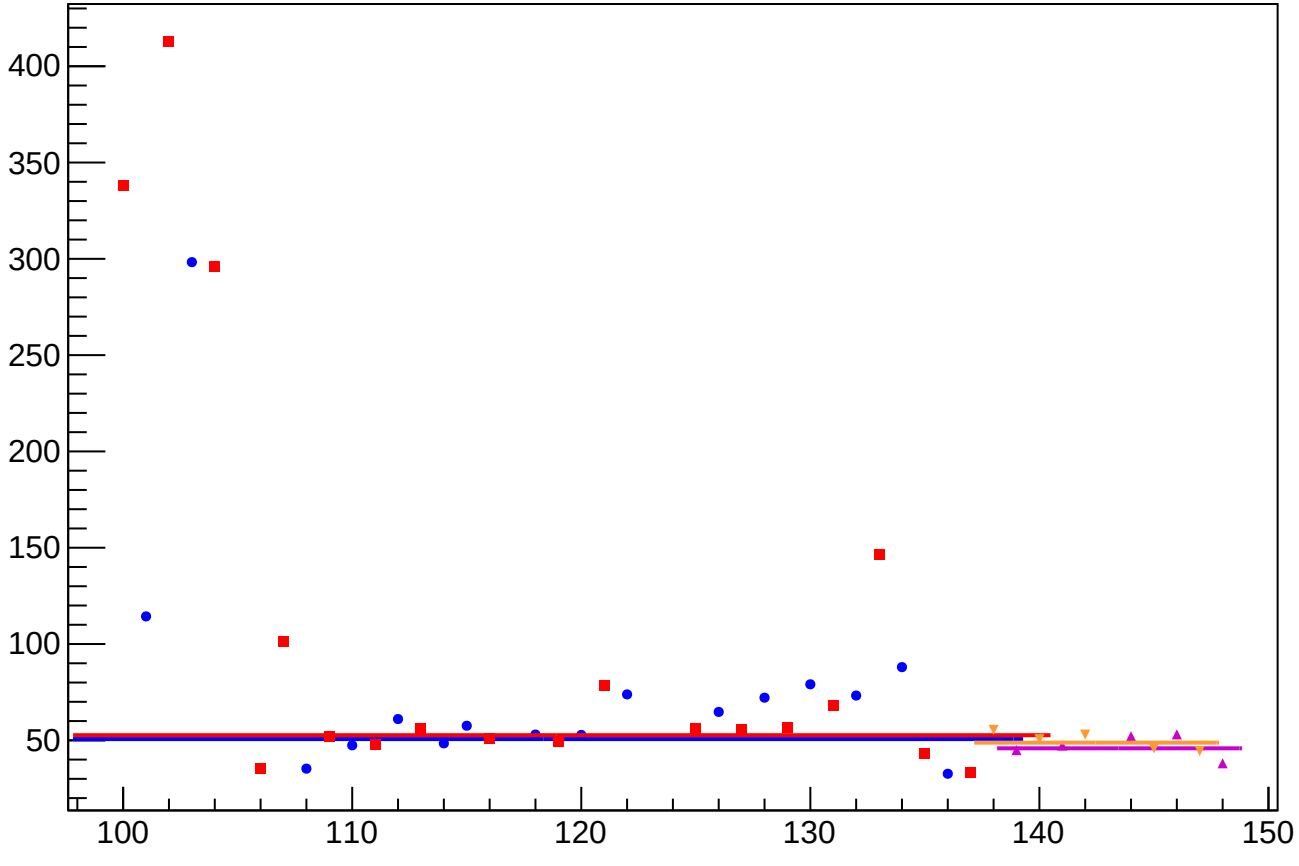
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.005+/-0.012 χ^2/NDF: 36.3/43

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: 48.792+/-0.019 χ^2/NDF:46113.4/4

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.847+/-0.017 χ^2/NDF:110260.4/4

Left: 47.131+/-0.013 χ^2/NDF: 169414.6/9

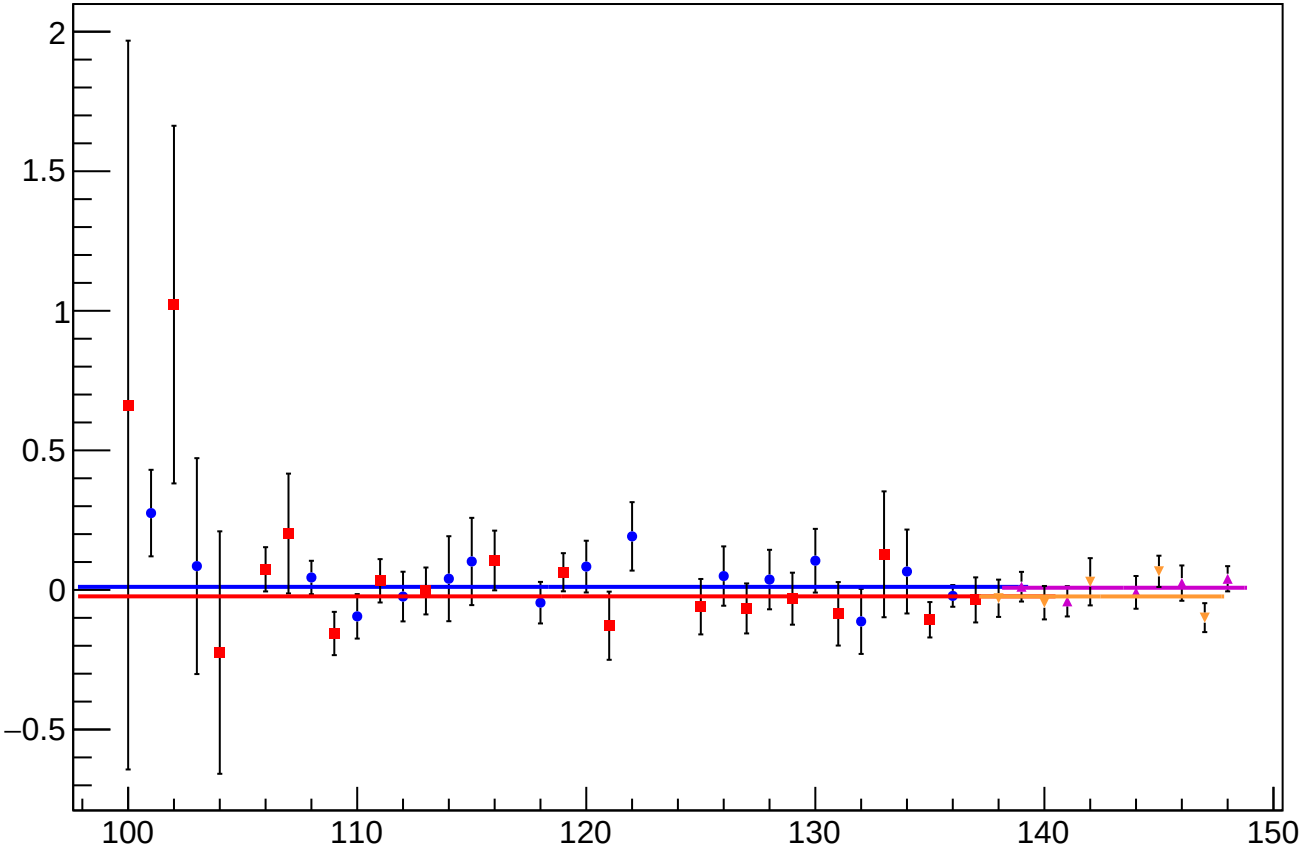
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.477+/-0.011 χ^2/NDF:2420118.1/20

Out: 51.055+/-0.012 χ^2/NDF:2281318.9/22

All: 49.654+/-0.008 χ^2/NDF: 4724590.1/43

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.024 χ^2/NDF:1.5/4

Left: -0.006+/-0.018 χ^2/NDF: 7.4/9

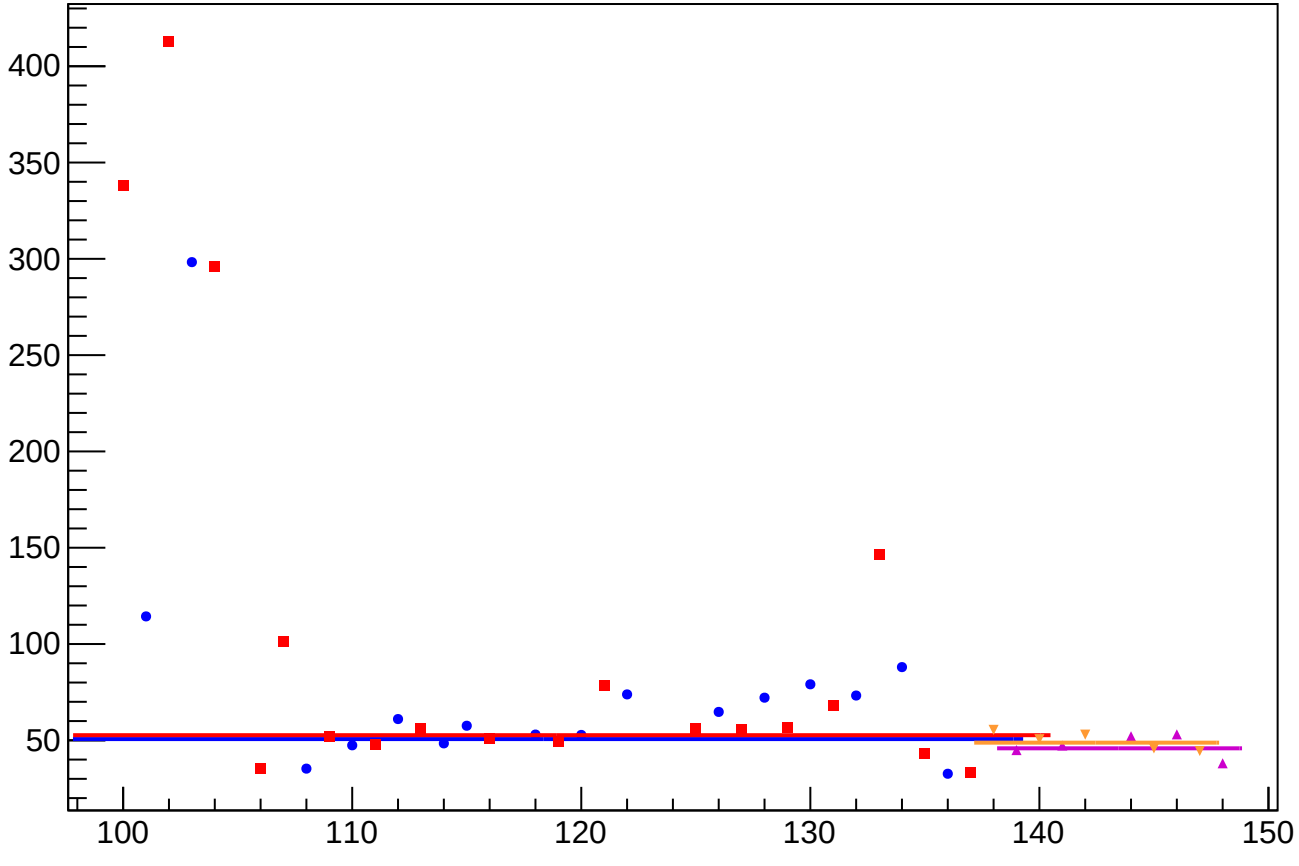
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.005+/-0.012 χ^2/NDF: 36.3/43

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: 48.792+/-0.019 χ^2/NDF:46113.4/4

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.847+/-0.017 χ^2/NDF:110260.4/4

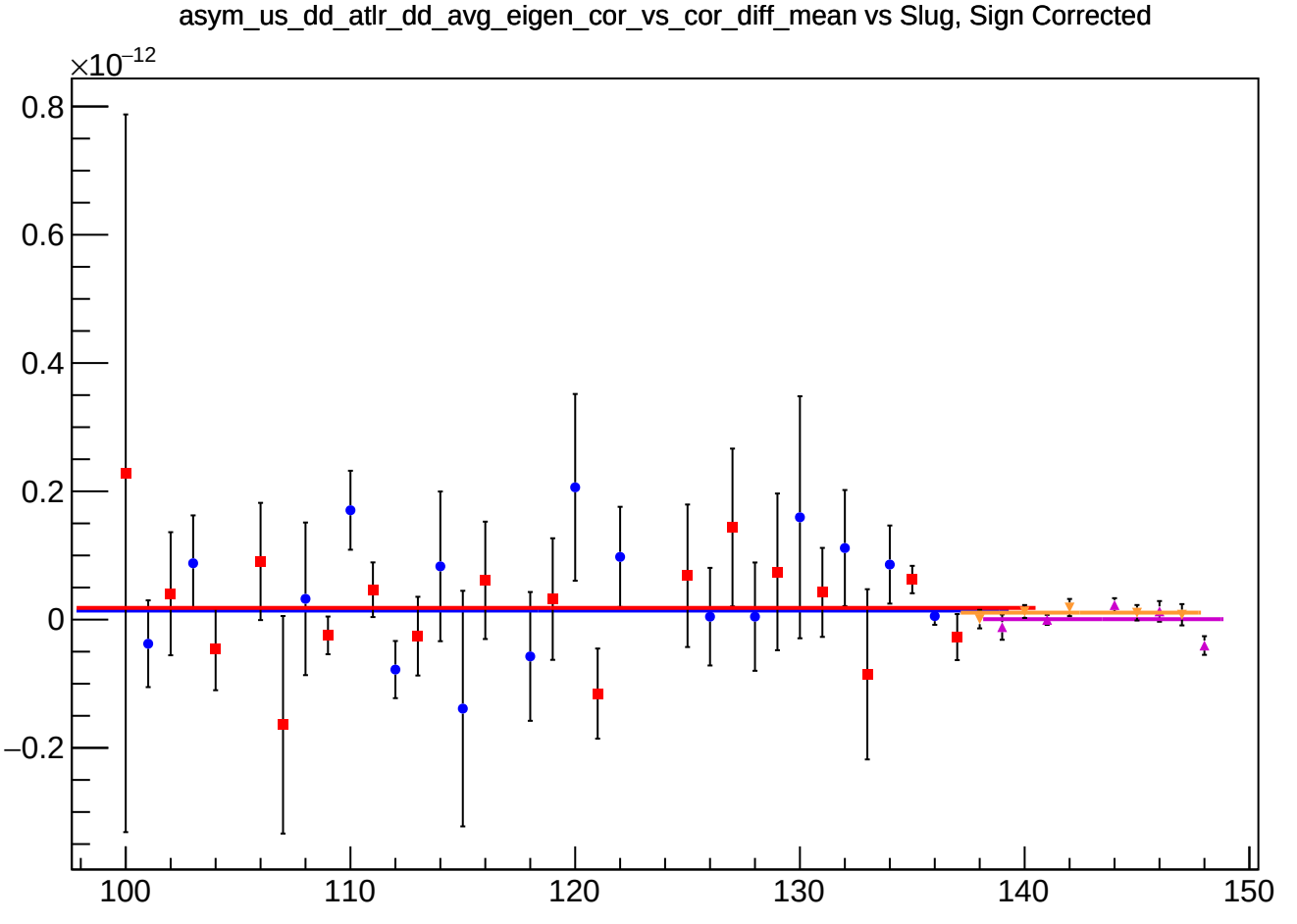
Left: 47.131+/-0.013 χ^2/NDF: 169414.6/9

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.477+/-0.011 χ^2/NDF:2420118.1/20

Out: 51.055+/-0.012 χ^2/NDF:2281318.9/22

All: 49.654+/-0.008 χ^2/NDF: 4724590.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/4

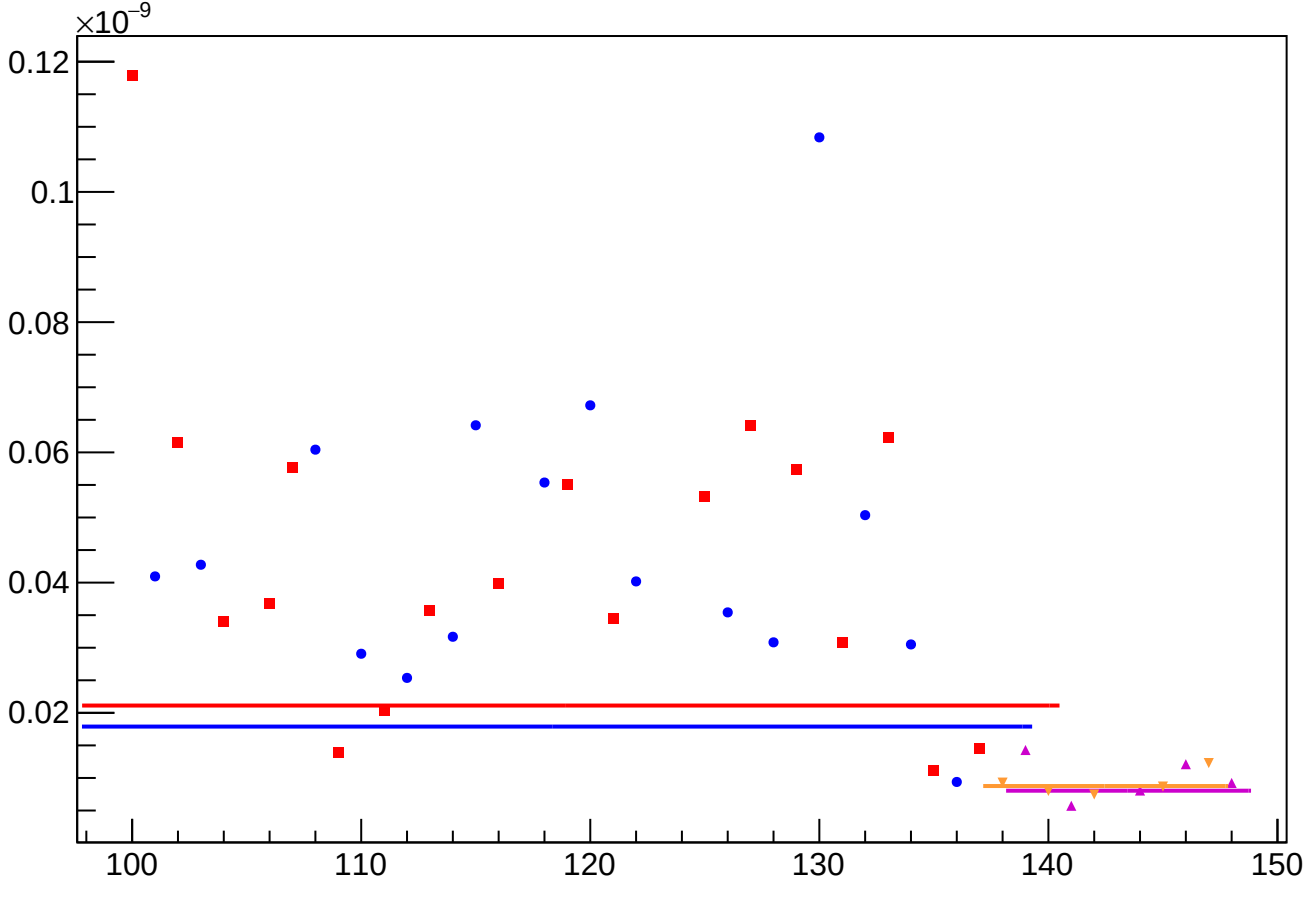
Left: 0.000+/-0.000 χ^2/NDF: 15.9/9

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:34.7/20

Out: 0.000+/-0.000 χ^2/NDF:19.2/22

All: 0.000+/-0.000 χ^2/NDF: 55.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:123022.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:516063.0/4

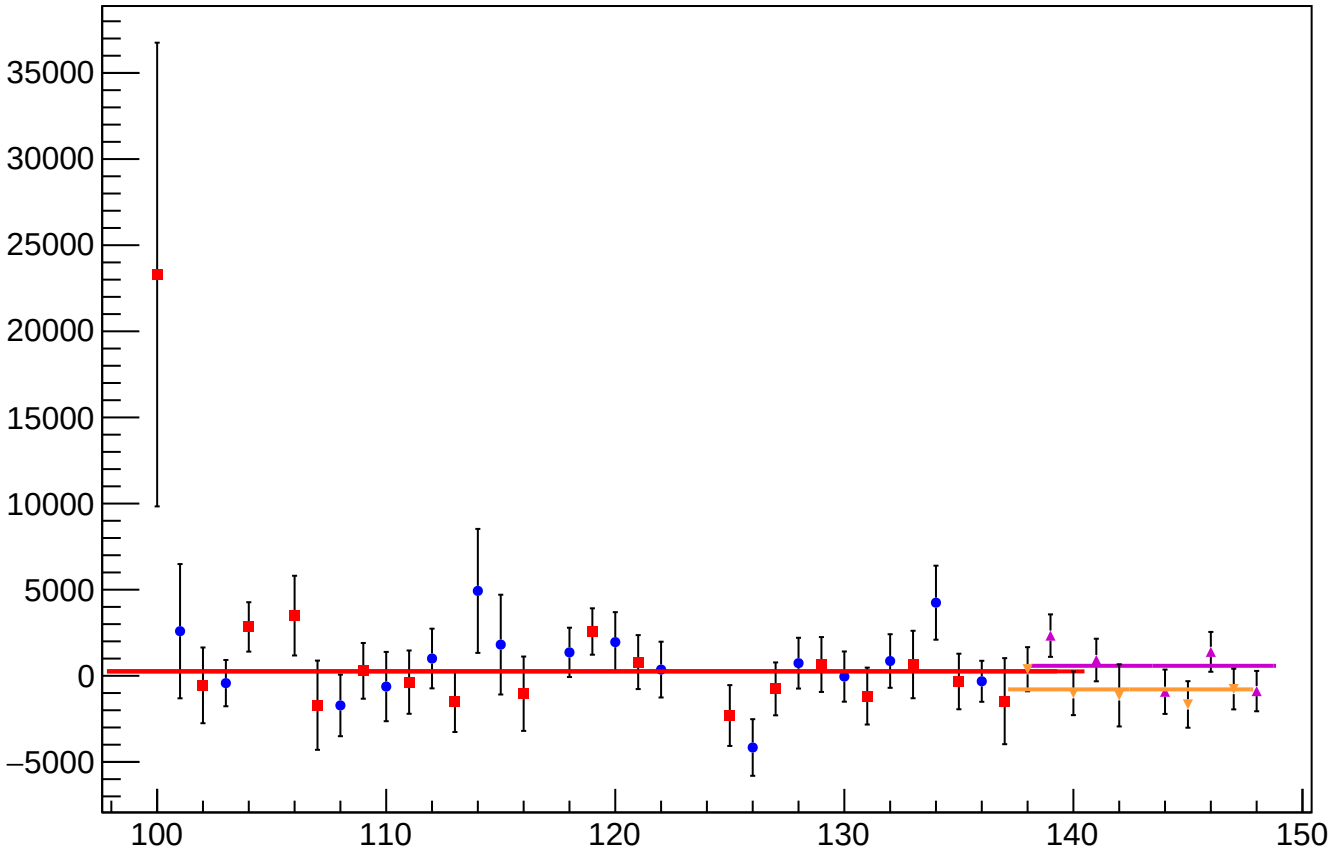
Left: 0.000+/-0.000 χ^2/NDF: 656259.9/9

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5159803.4/20

Out: 0.000+/-0.000 χ^2/NDF:4356286.4/22

All: 0.000+/-0.000 χ^2/NDF: 9564074.5/43



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 580.770+/-542.960 χ^2/NDF:5.5/4

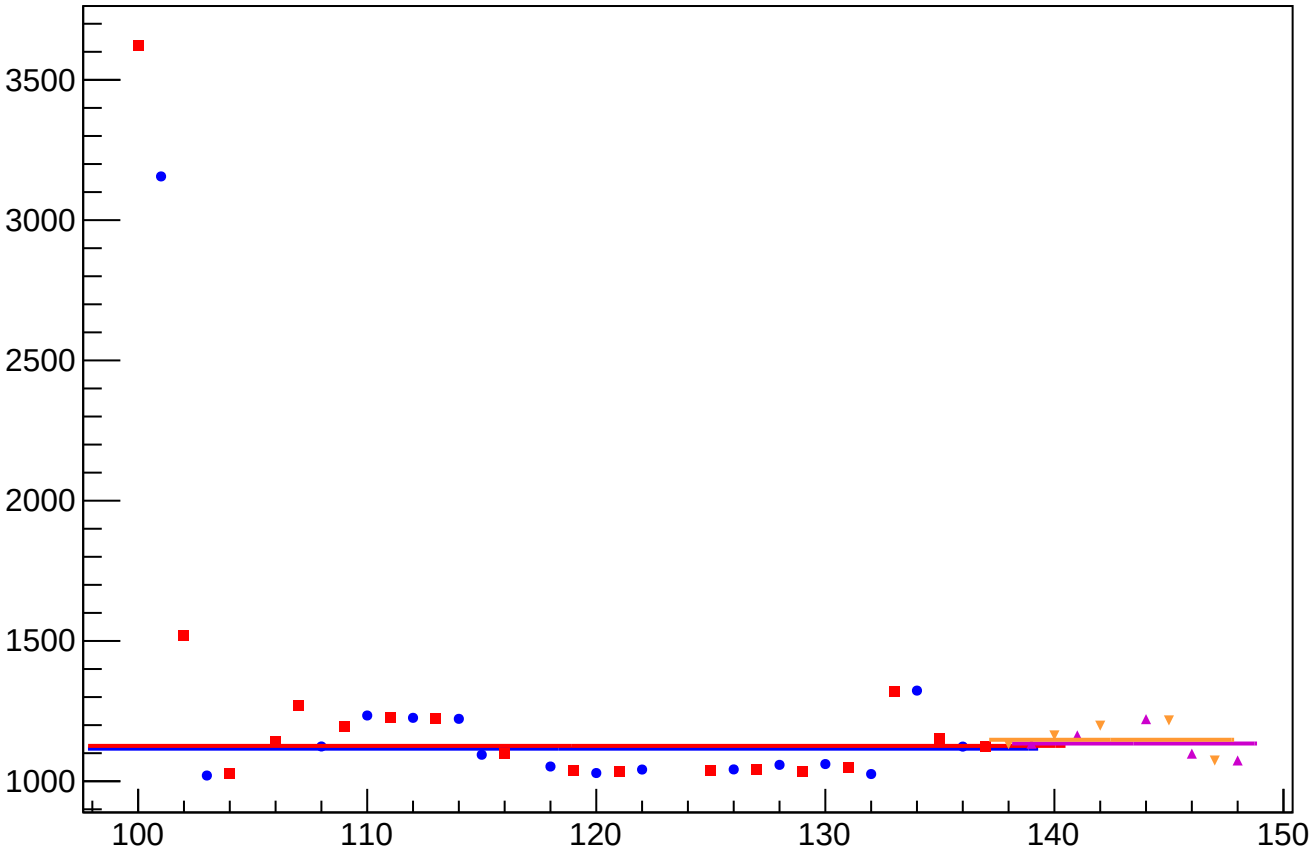
Left: -39.203+/-401.701 χ^2/NDF: 9.7/9

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 382.239+/-334.500 χ^2/NDF:22.7/20

Out: -96.290+/-346.665 χ^2/NDF:20.7/22

All: 151.518+/-240.713 χ^2/NDF: 44.4/43



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

Left: 1140.504+/-0.284 χ^2/NDF: 33278.0/9

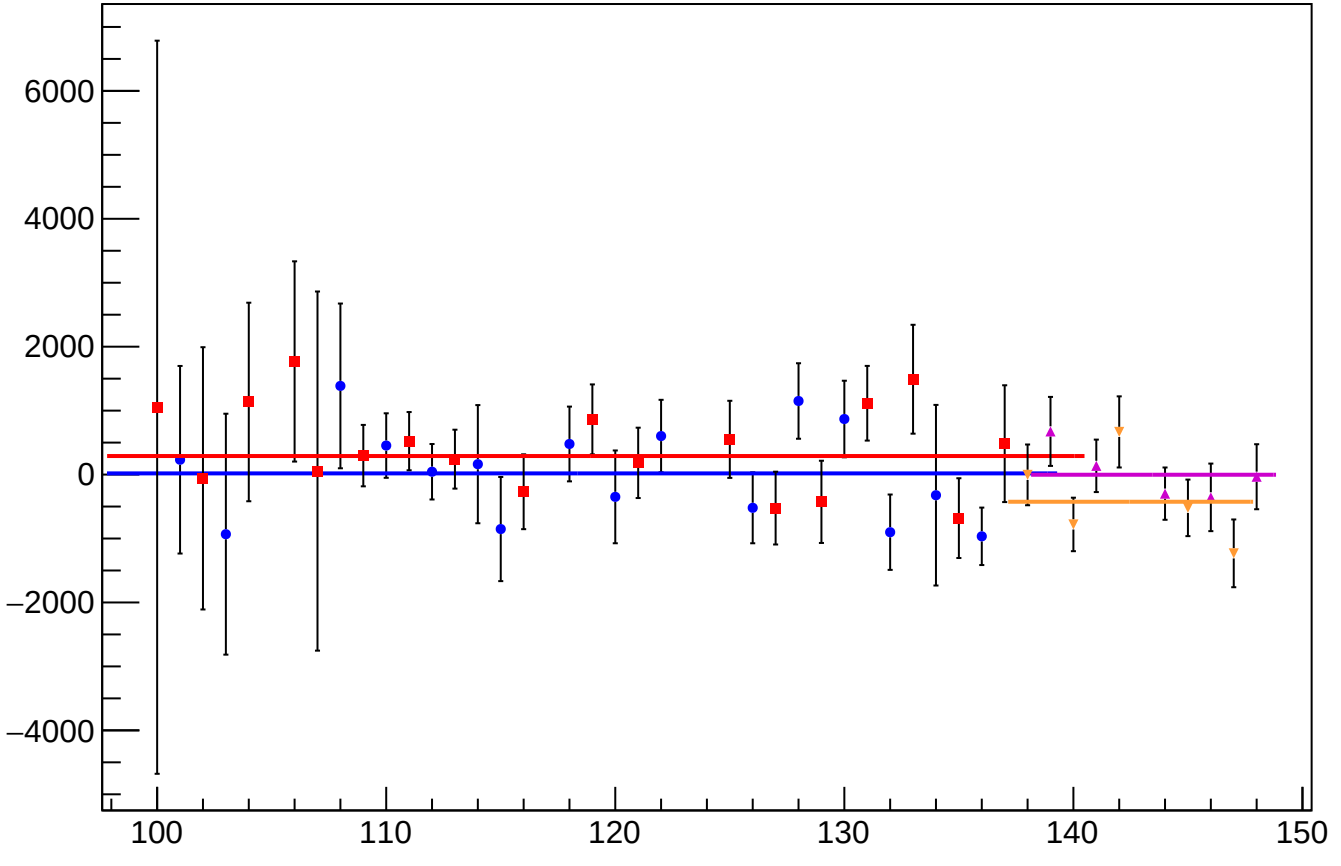
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1123.056+/-0.237 χ^2/NDF:642296.6/20

Out: 1133.370+/-0.245 χ^2/NDF:239116.1/22

All: 1128.029+/-0.170 χ^2/NDF: 882329.5/43

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: -424.964+/-212.918 χ^2/NDF:7.7/4

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -2.727+/-209.379 χ^2/NDF:2.7/4

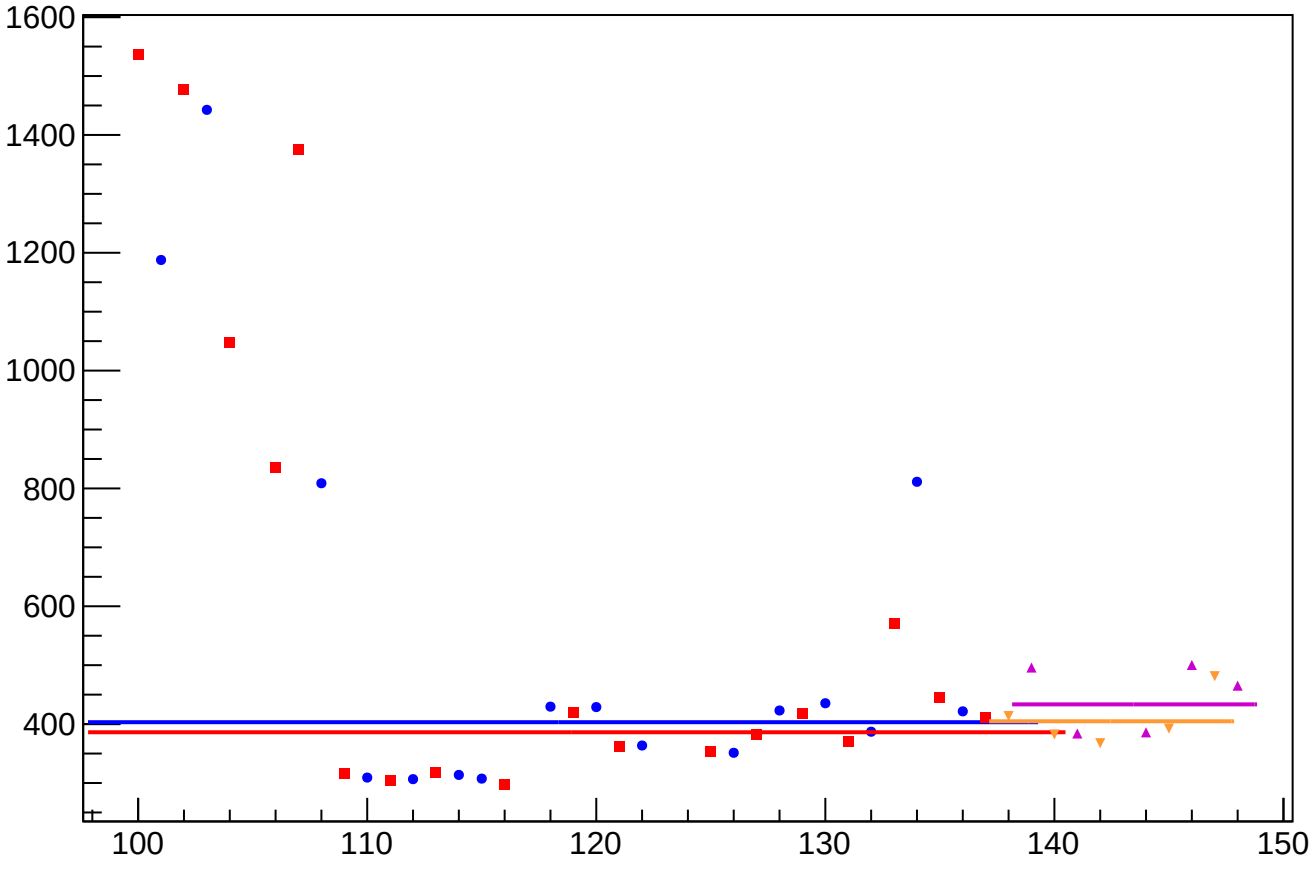
Left: -210.307+/-149.289 χ^2/NDF: 12.4/9

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 10.578+/-127.748 χ^2/NDF:21.9/20

Out: 39.832+/-125.938 χ^2/NDF:28.5/22

All: 25.414+/-89.685 χ^2/NDF: 50.4/43



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 404.754+/-0.151 χ^2/NDF:58667.1/4

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 433.470+/-0.148 χ^2/NDF:122780.1/4

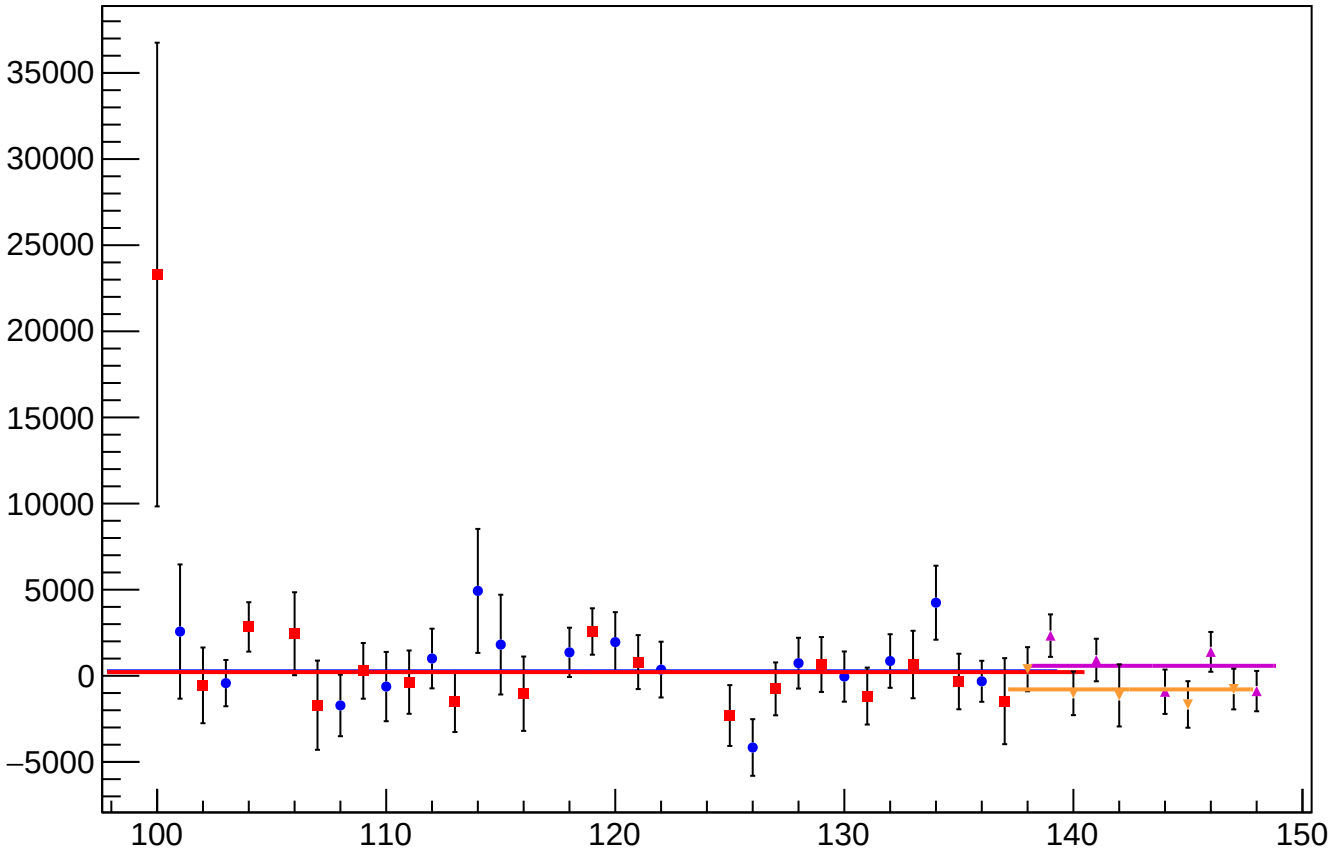
Left: 419.352+/-0.106 χ^2/NDF: 199941.7/9

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 414.464+/-0.090 χ^2/NDF:1957462.2/20

Out: 392.656+/-0.089 χ^2/NDF:1827711.8/22

All: 403.405+/-0.063 χ^2/NDF: 3814733.4/43



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 580.779+/-542.960 χ^2/NDF:5.5/4

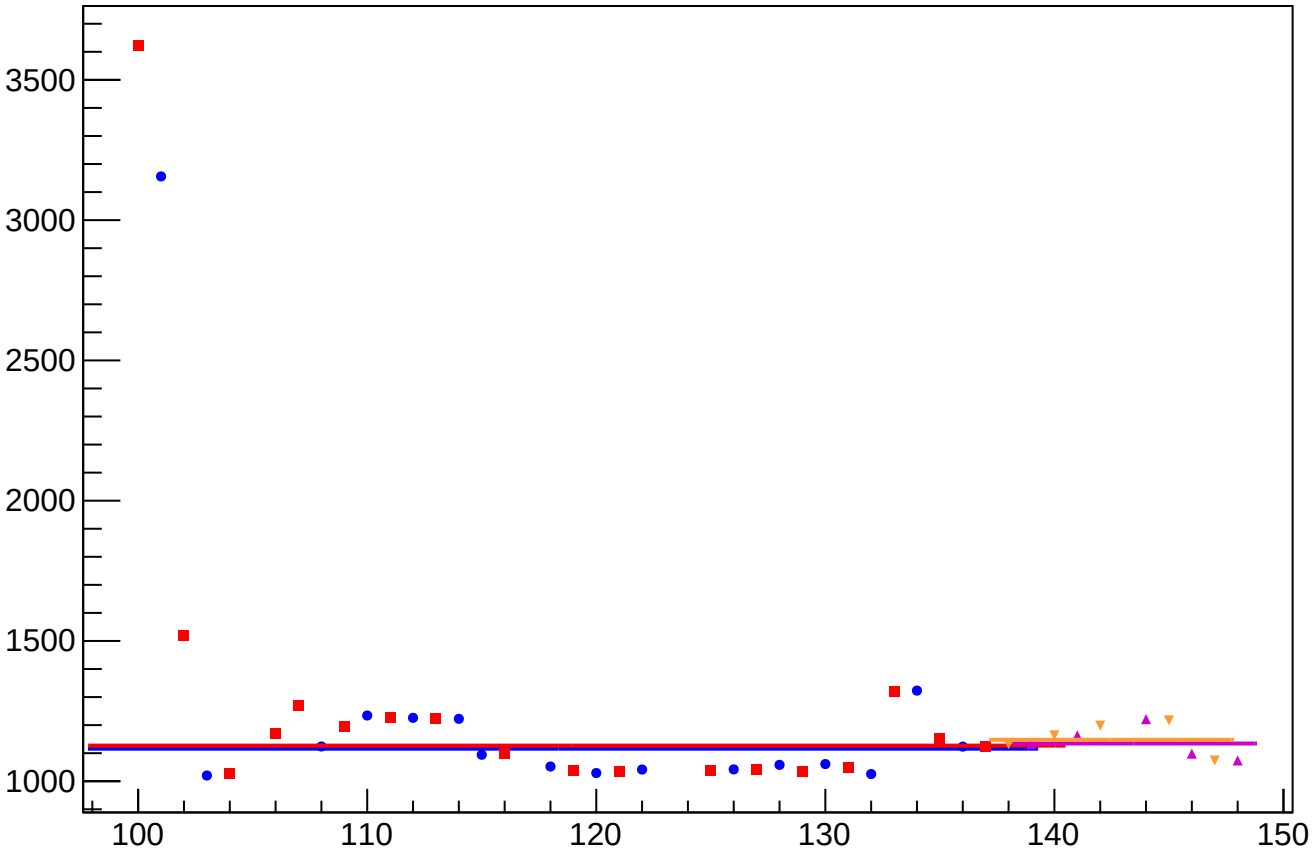
Left: -39.198+/-401.701 χ^2/NDF: 9.7/9

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 382.005+/-334.500 χ^2/NDF:22.7/20

Out: -124.343+/-346.966 χ^2/NDF:19.4/22

All: 138.091+/-240.813 χ^2/NDF: 43.2/43



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

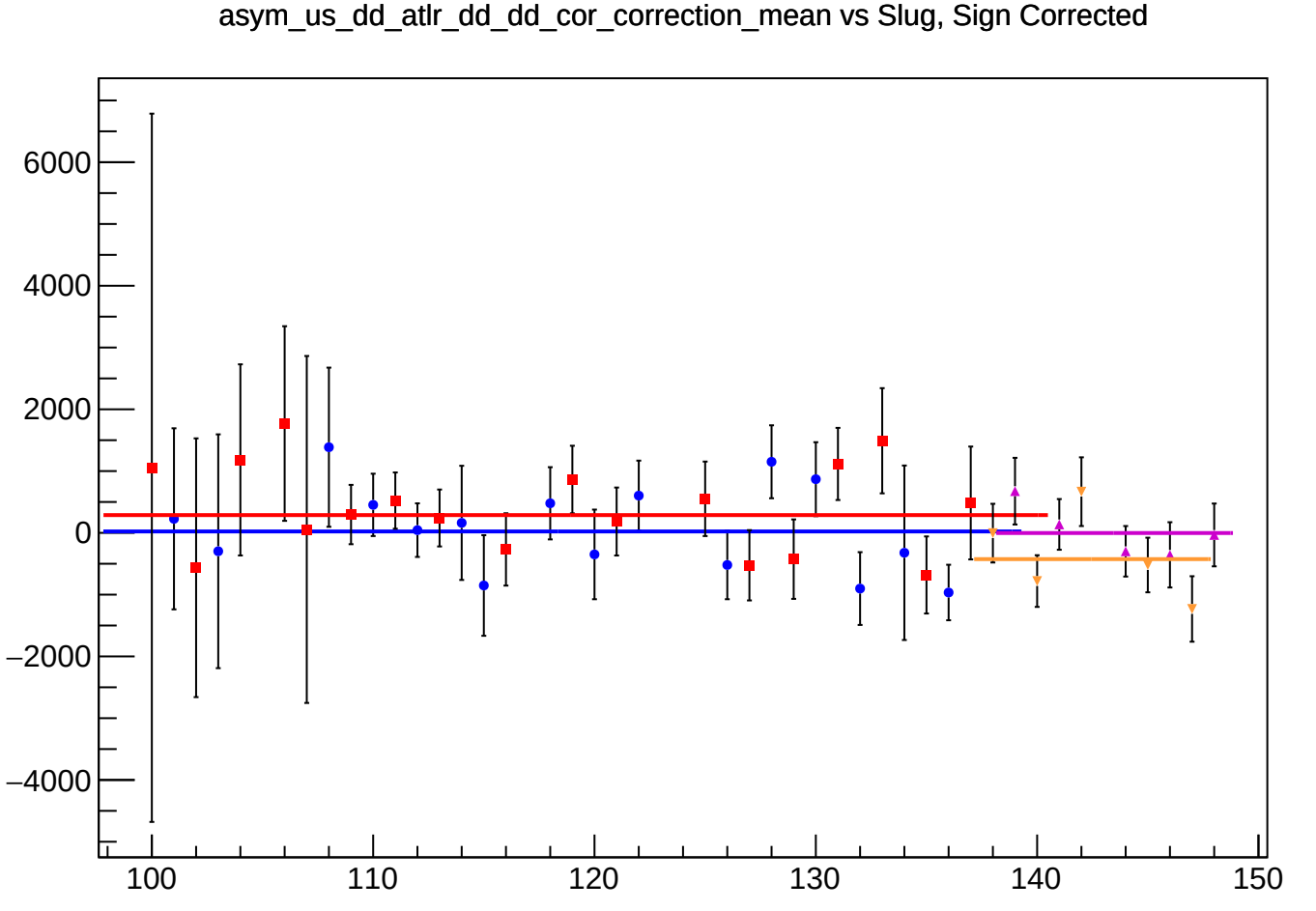
Left: 1140.504+/-0.284 χ^2/NDF: 33278.0/9

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

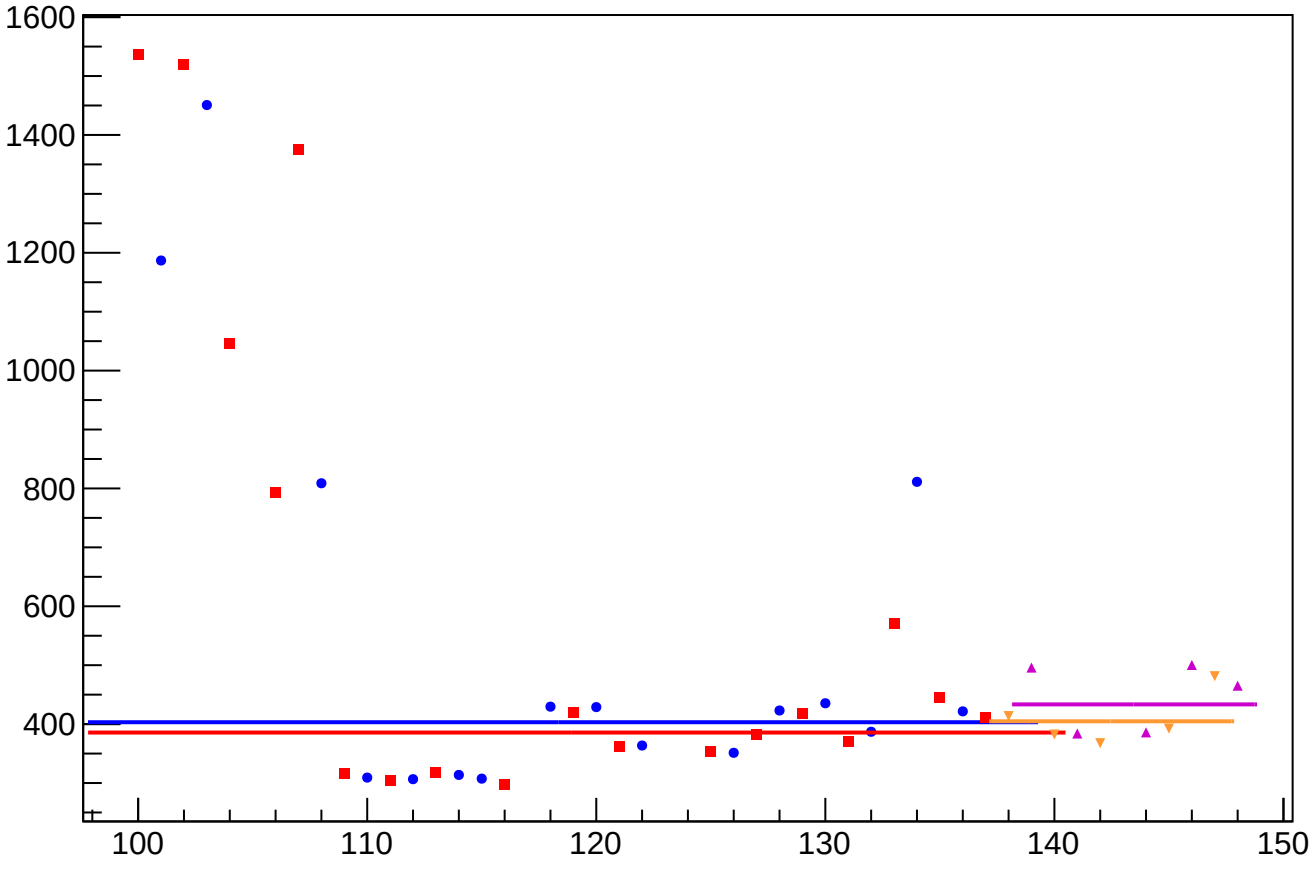
In: 1123.056+/-0.237 χ^2/NDF:642297.6/20

Out: 1134.008+/-0.245 χ^2/NDF:239598.9/22

All: 1128.332+/-0.170 χ^2/NDF: 882929.5/43


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -425.095+/-212.917 χ²/NDF:7.7/4
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -2.602+/-209.377 χ²/NDF:2.7/4
Left: -210.308+/-149.288 χ²/NDF: 12.4/9
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 13.421+/-127.749 χ²/NDF:21.6/20
Out: 38.220+/-125.950 χ²/NDF:28.7/22
All: 25.996+/-89.689 χ²/NDF: 50.3/43

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: 404.751+/-0.151 χ^2/NDF:58664.7/4

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

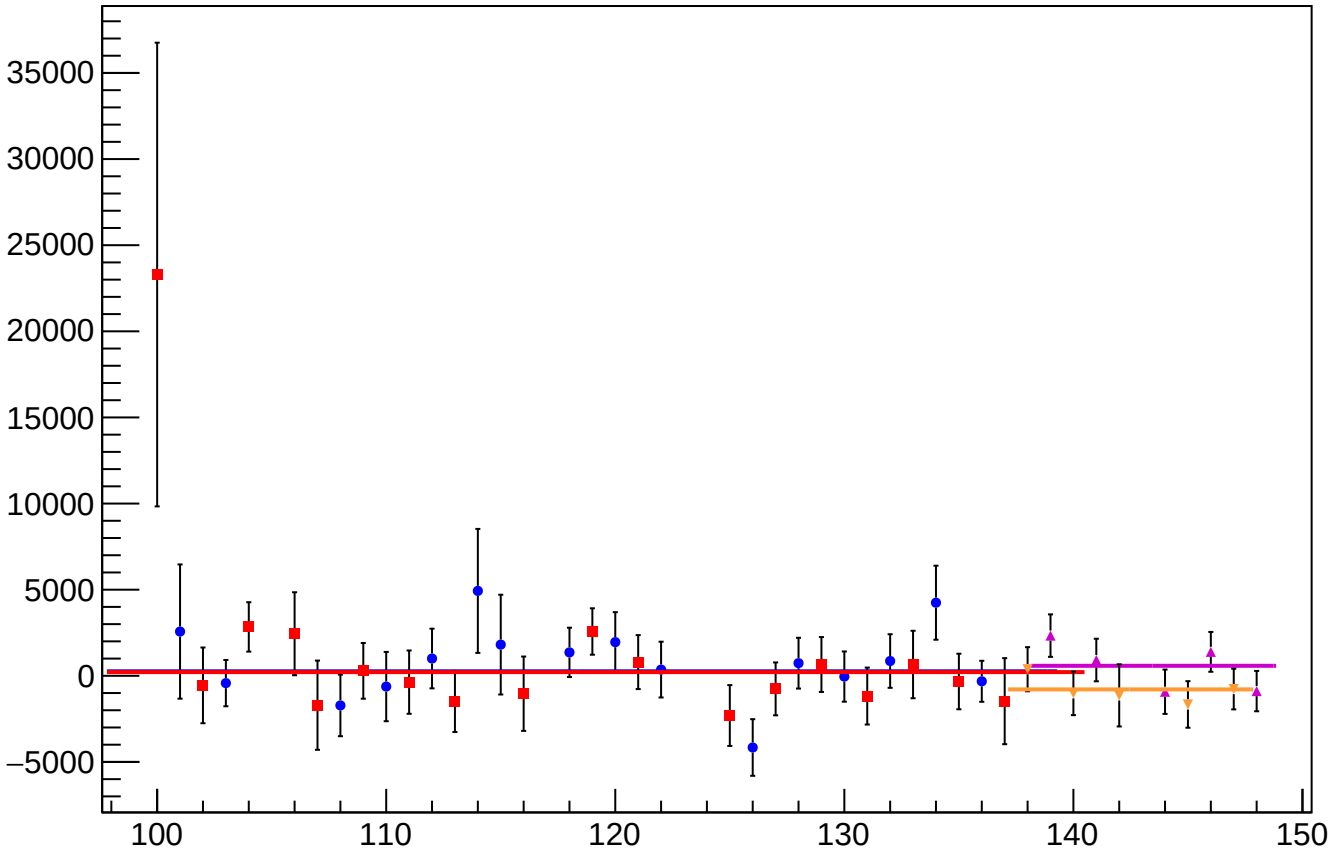
Left: 419.350+/-0.106 χ^2/NDF: 199916.8/9

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 414.456+/-0.090 χ^2/NDF:1961134.9/20

Out: 392.354+/-0.089 χ^2/NDF:1816246.3/22

All: 403.249+/-0.063 χ^2/NDF: 3807738.2/43



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 580.779+/-542.960 χ^2/NDF:5.5/4

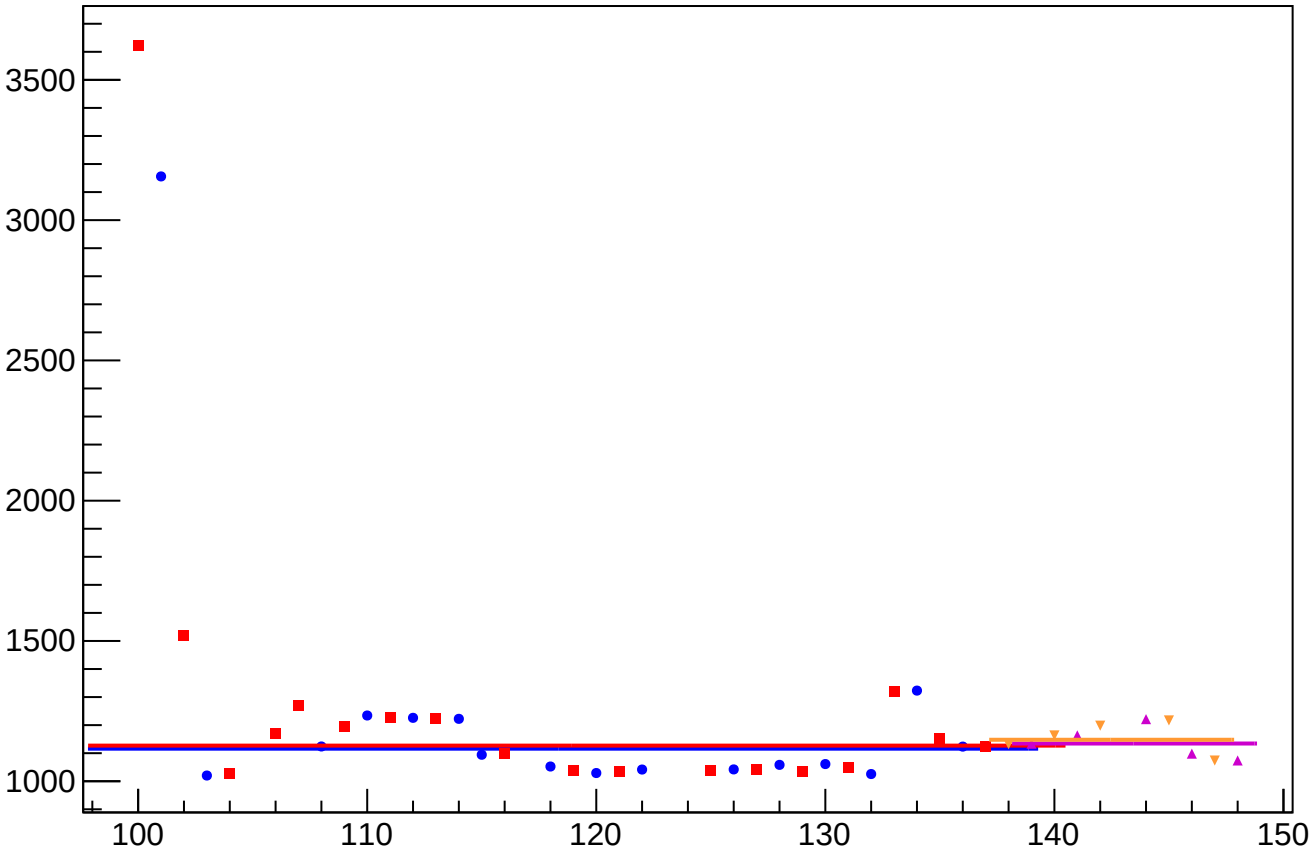
Left: -39.198+/-401.701 χ^2/NDF: 9.7/9

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 382.005+/-334.500 χ^2/NDF:22.7/20

Out: -124.343+/-346.966 χ^2/NDF:19.4/22

All: 138.091+/-240.813 χ^2/NDF: 43.2/43



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

Left: 1140.504+/-0.284 χ^2/NDF: 33278.0/9

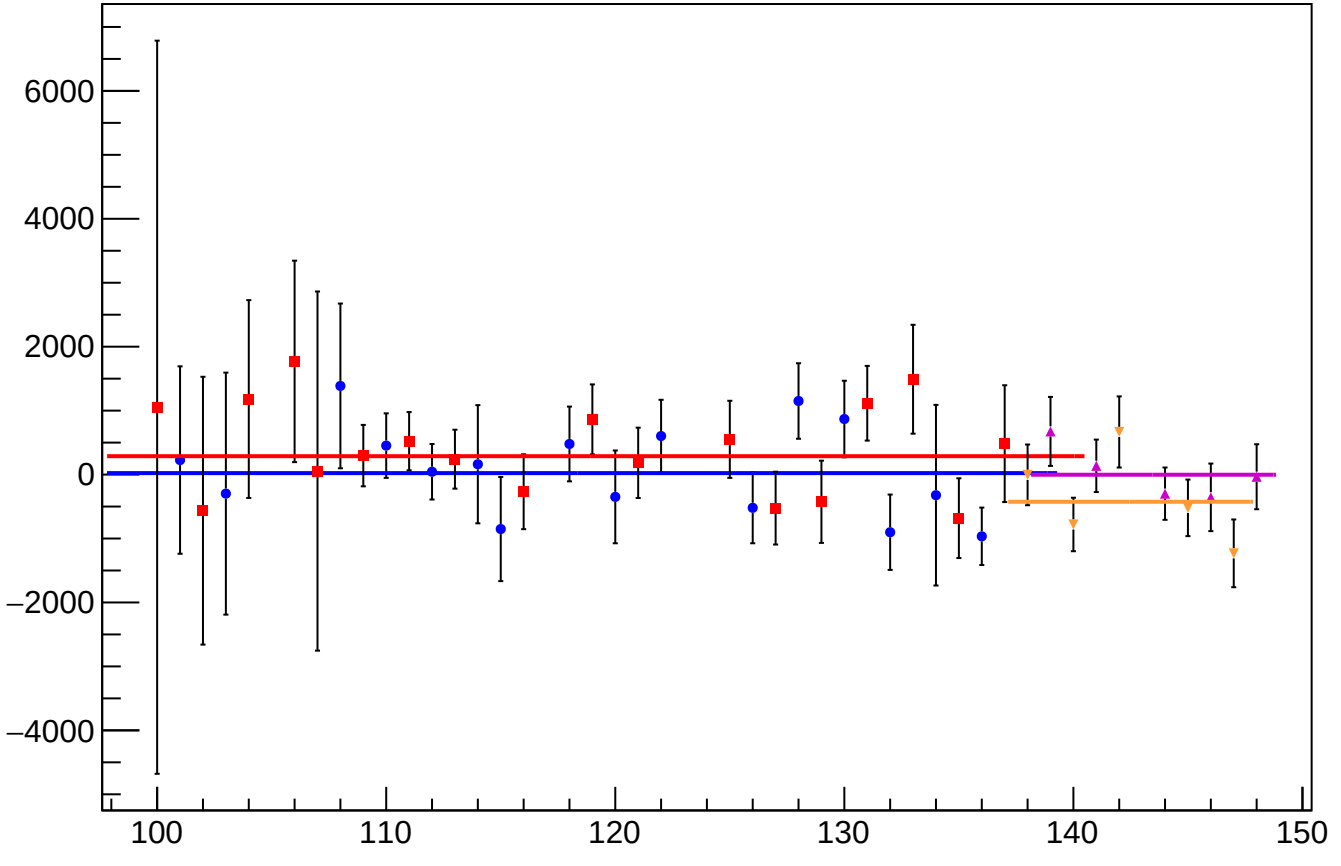
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1123.056+/-0.237 χ^2/NDF:642297.6/20

Out: 1134.008+/-0.245 χ^2/NDF:239598.9/22

All: 1128.332+/-0.170 χ^2/NDF: 882929.5/43

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: -425.095+/-212.917 χ^2/NDF:7.7/4

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -2.602+/-209.377 χ^2/NDF:2.7/4

Left: -210.308+/-149.288 χ^2/NDF: 12.4/9

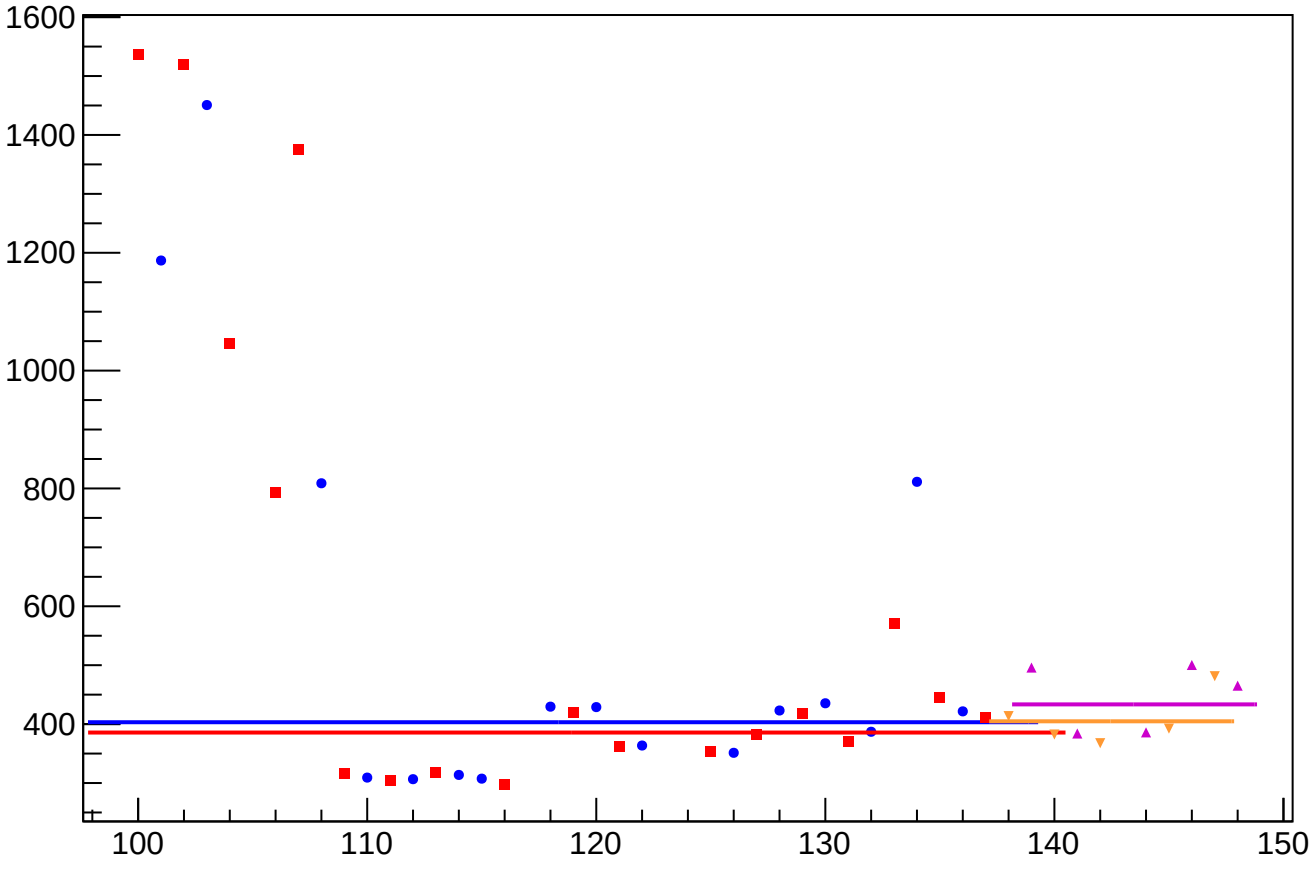
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 13.421+/-127.749 χ^2/NDF:21.6/20

Out: 38.220+/-125.950 χ^2/NDF:28.7/22

All: 25.996+/-89.689 χ^2/NDF: 50.3/43

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: 404.751+/-0.151 χ^2/NDF:58664.7/4

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

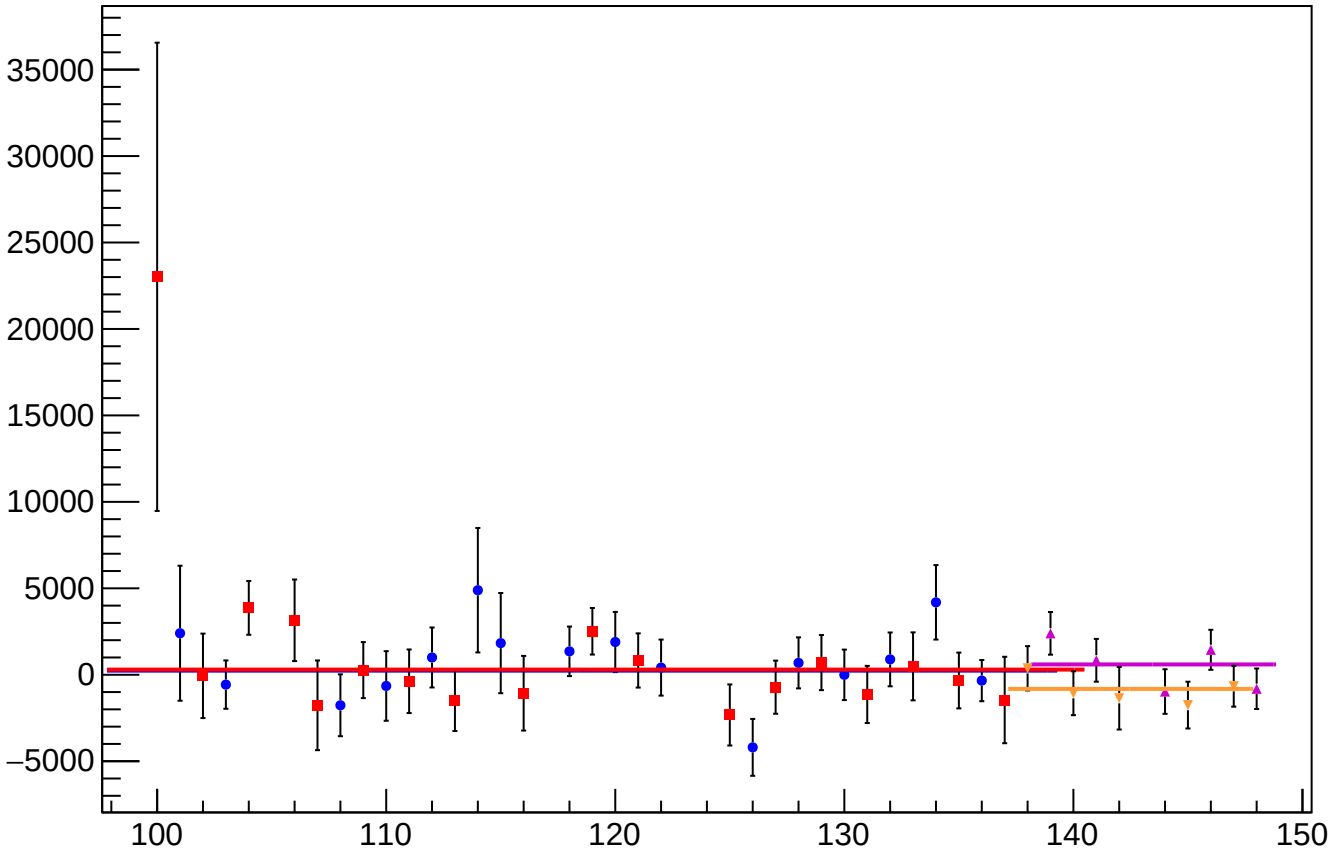
Left: 419.350+/-0.106 χ^2/NDF: 199916.8/9

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 414.456+/-0.090 χ^2/NDF:1961134.9/20

Out: 392.354+/-0.089 χ^2/NDF:1816246.3/22

All: 403.249+/-0.063 χ^2/NDF: 3807738.2/43



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -816.785+/-597.831 χ^2/NDF:1.5/4

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 597.960+/-543.492 χ^2/NDF:5.6/4

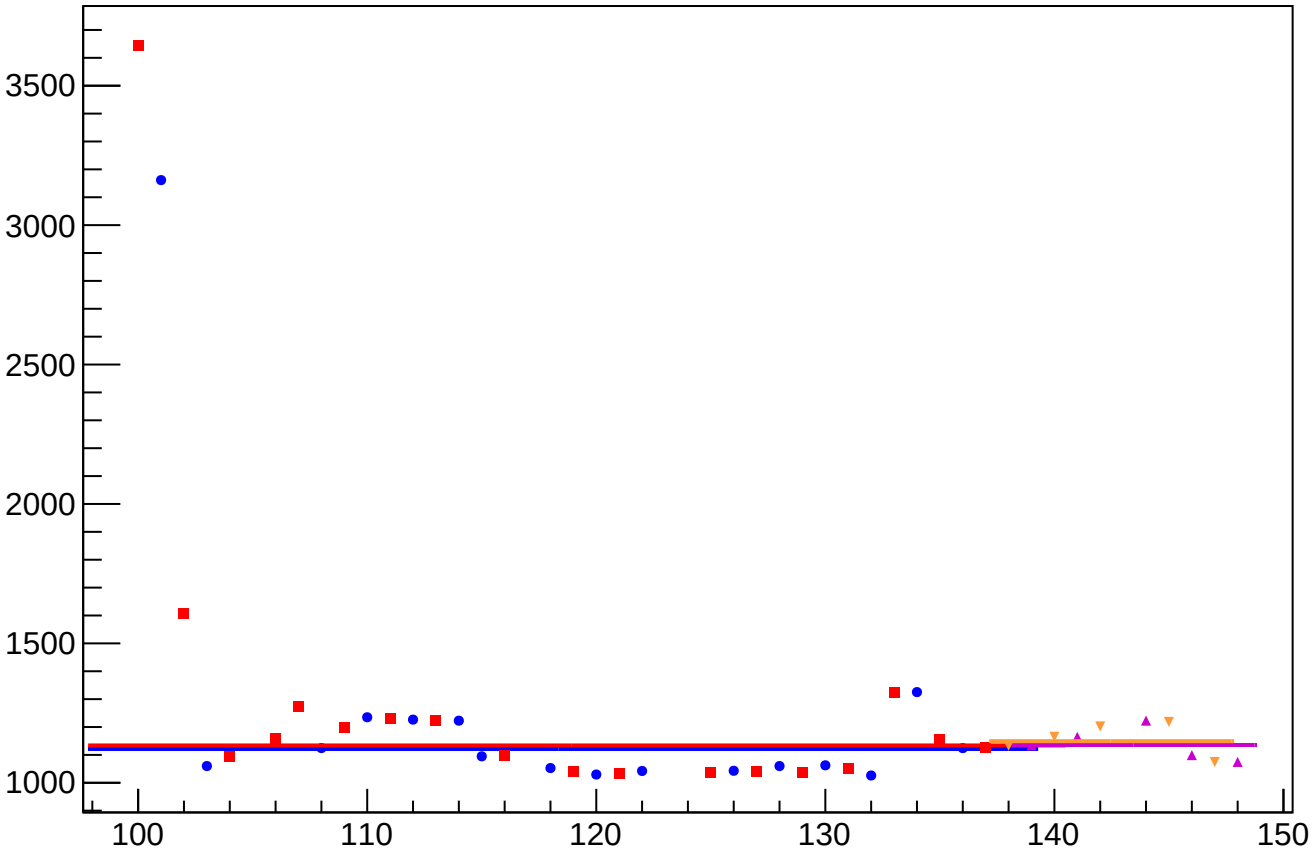
Left: -42.209+/-402.148 χ^2/NDF: 10.2/9

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 376.973+/-335.568 χ^2/NDF:22.8/20

Out: -82.378+/-349.491 χ^2/NDF:22.5/22

All: 156.629+/-242.055 χ^2/NDF: 46.2/43



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.253+/-0.423 χ^2/NDF:15528.8/4

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.8/4

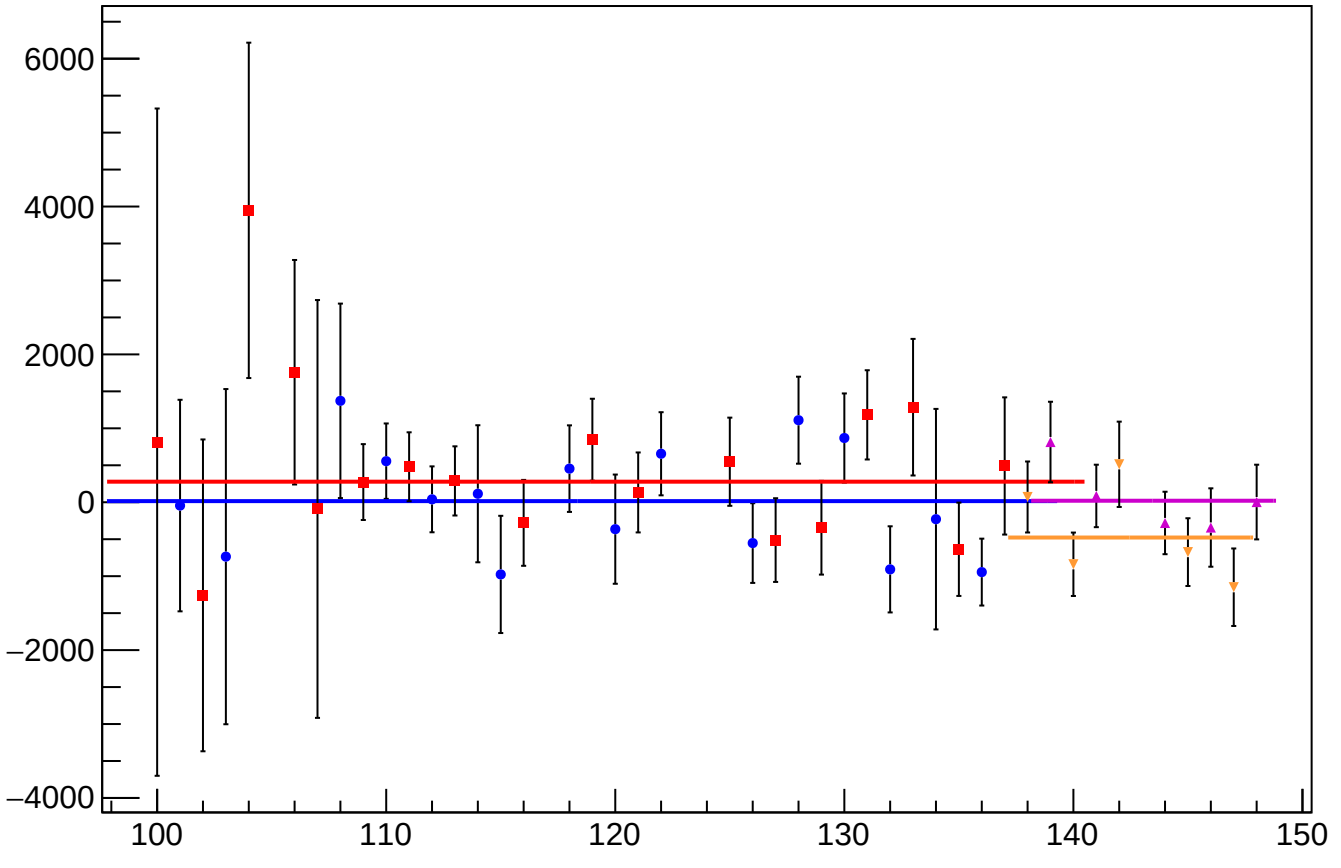
Left: 1141.745+/-0.284 χ^2/NDF: 33734.8/9

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1126.725+/-0.237 χ^2/NDF:635508.4/20

Out: 1139.166+/-0.247 χ^2/NDF:243850.8/22

All: 1132.693+/-0.171 χ^2/NDF: 880677.9/43



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -477.178+/-217.311 χ^2/NDF:6.8/4

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 20.419+/-212.952 χ^2/NDF:3.1/4

Left: -223.339+/-152.098 χ^2/NDF: 12.6/9

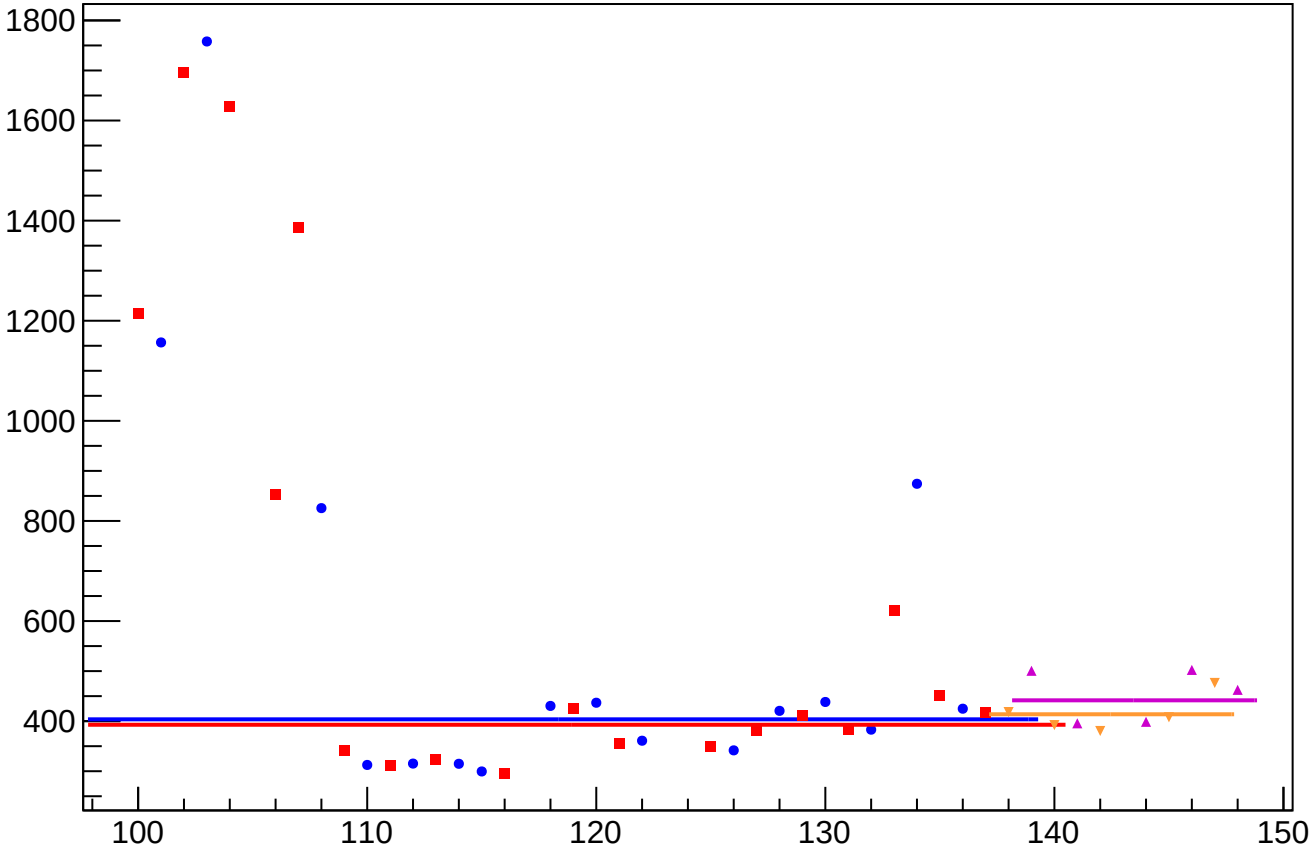
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 17.169+/-128.855 χ^2/NDF:22.7/20

Out: 15.221+/-128.229 χ^2/NDF:29.7/22

All: 16.190+/-90.892 χ^2/NDF: 52.5/43

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: 413.771+/-0.154 χ^2/NDF:40808.2/4

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 441.630+/-0.151 χ^2/NDF:97481.3/4

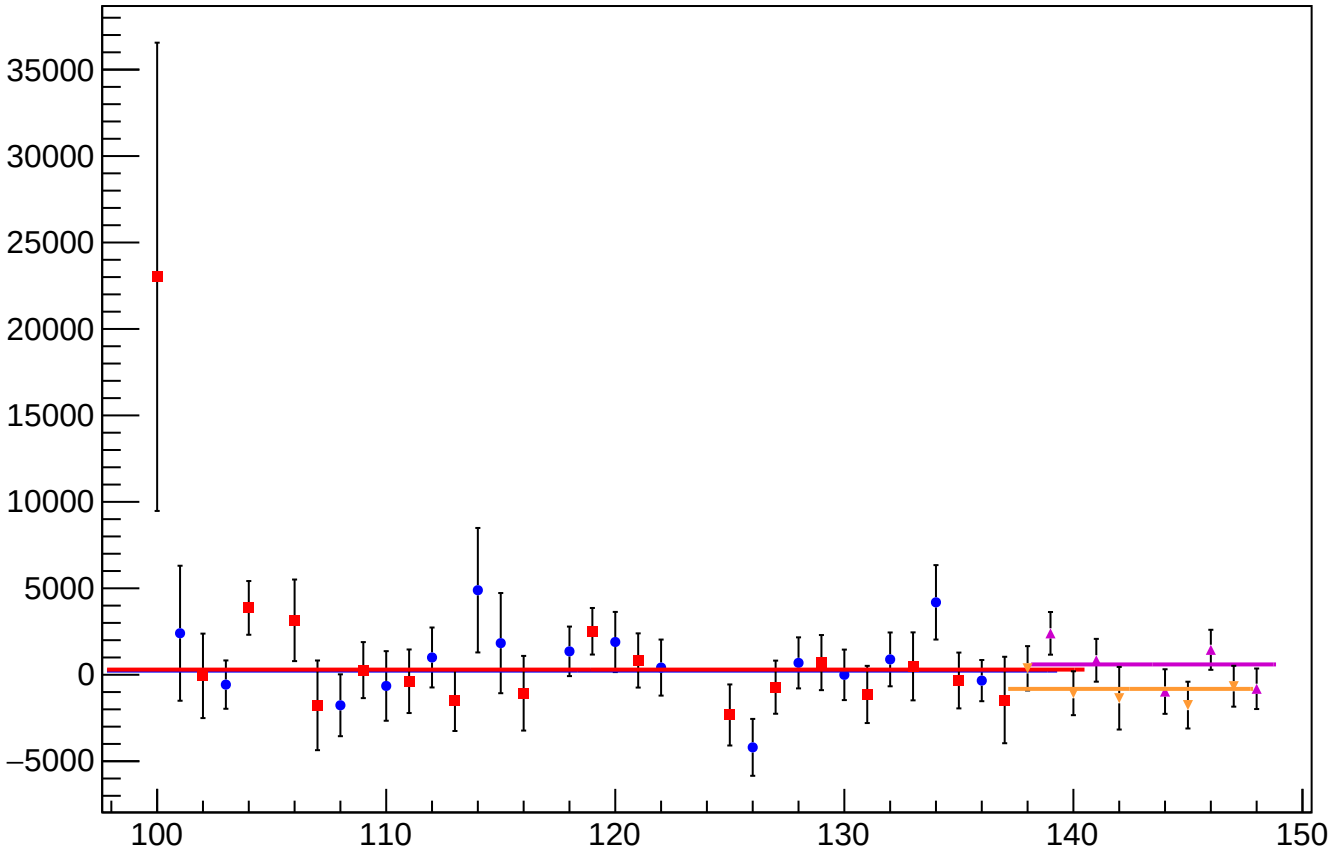
Left: 427.982+/-0.108 χ^2/NDF: 155057.4/9

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 417.559+/-0.091 χ^2/NDF:2067390.7/20

Out: 400.115+/-0.091 χ^2/NDF:2256380.5/22

All: 408.795+/-0.064 χ^2/NDF: 4342187.6/43



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -816.792+/-597.831 χ^2/NDF:1.5/4

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 597.958+/-543.492 χ^2/NDF:5.6/4

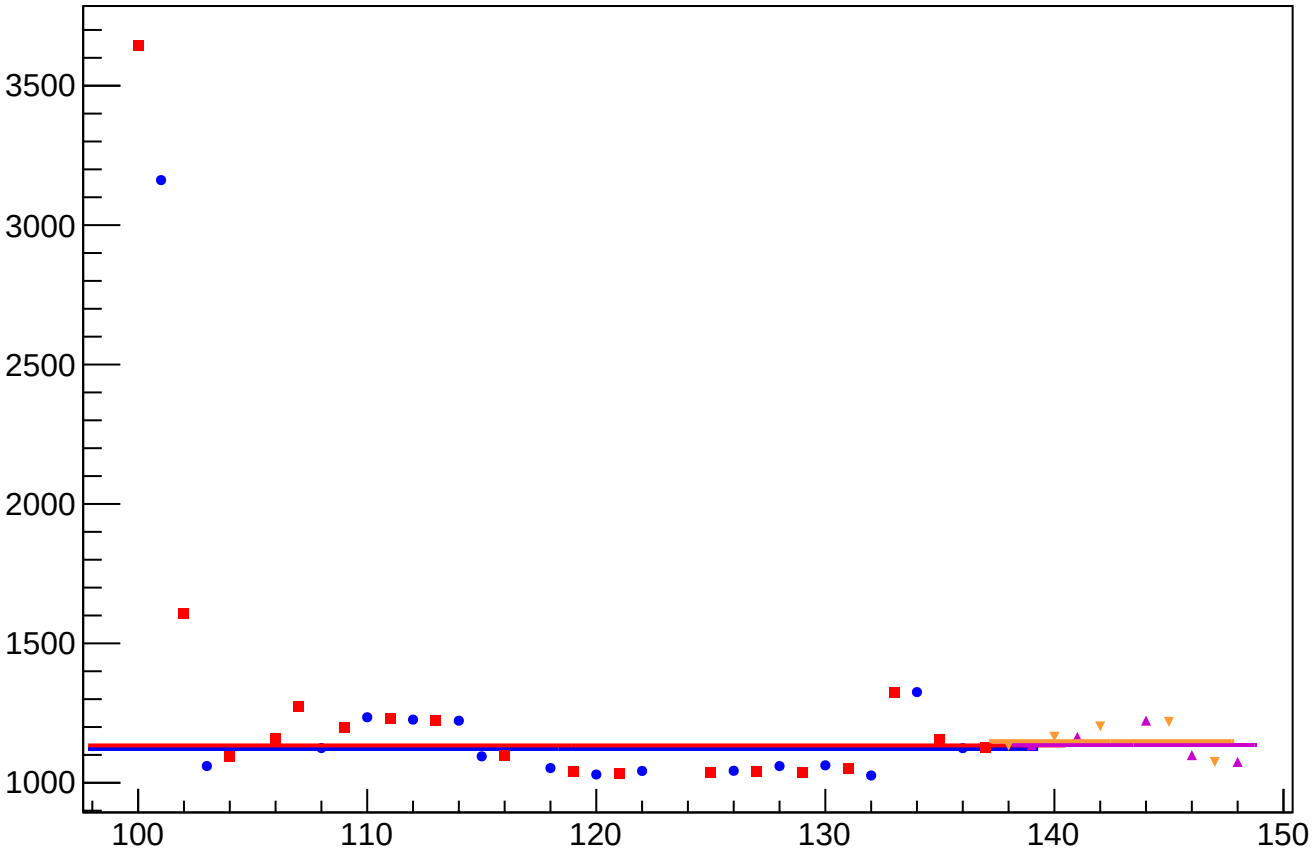
Left: -42.213+/-402.148 χ^2/NDF: 10.2/9

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 376.974+/-335.568 χ^2/NDF:22.8/20

Out: -82.379+/-349.491 χ^2/NDF:22.5/22

All: 156.629+/-242.055 χ^2/NDF: 46.2/43



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.253+/-0.423 χ^2/NDF:15528.9/4

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.9/4

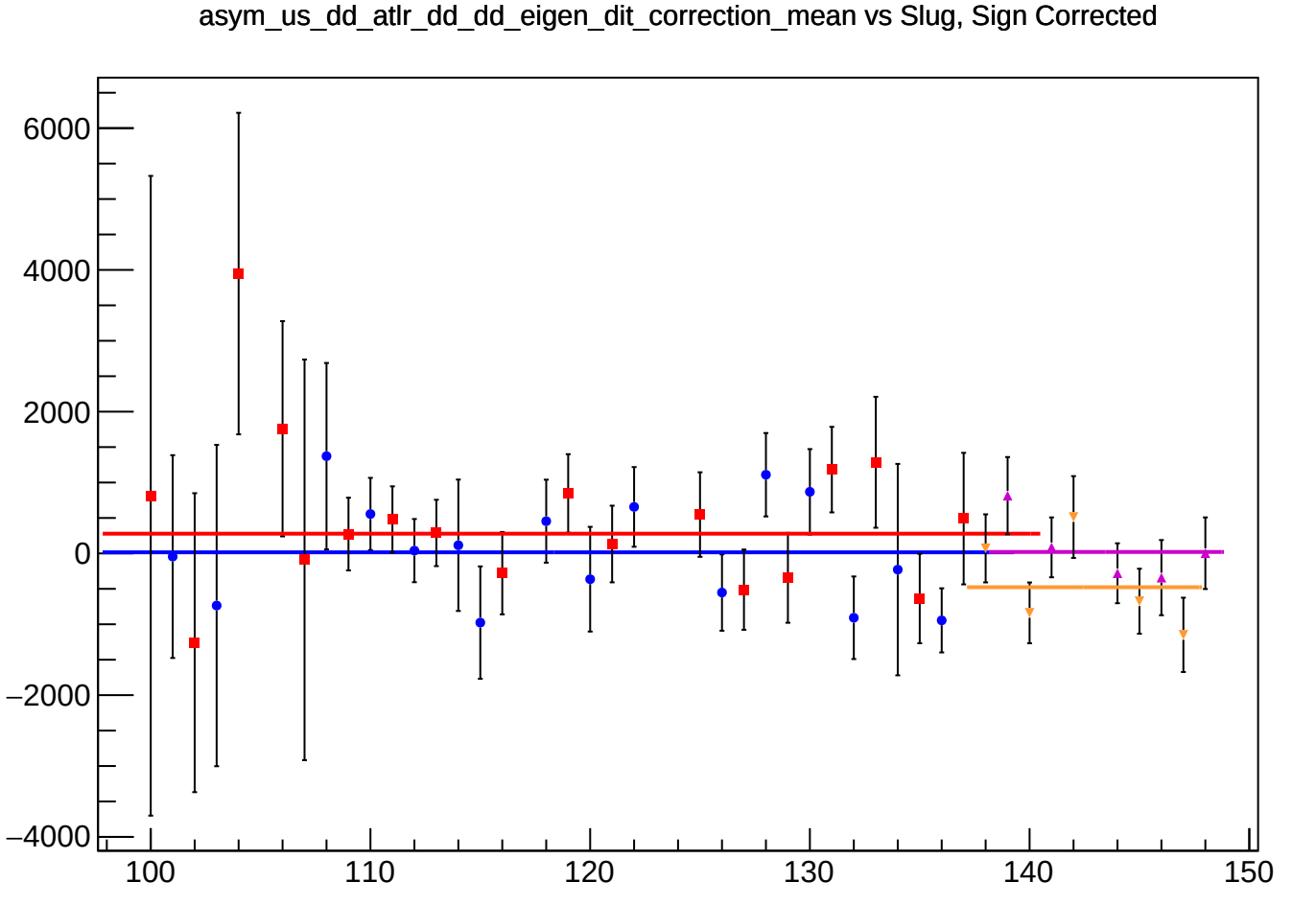
Left: 1141.745+/-0.284 χ^2/NDF: 33734.9/9

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

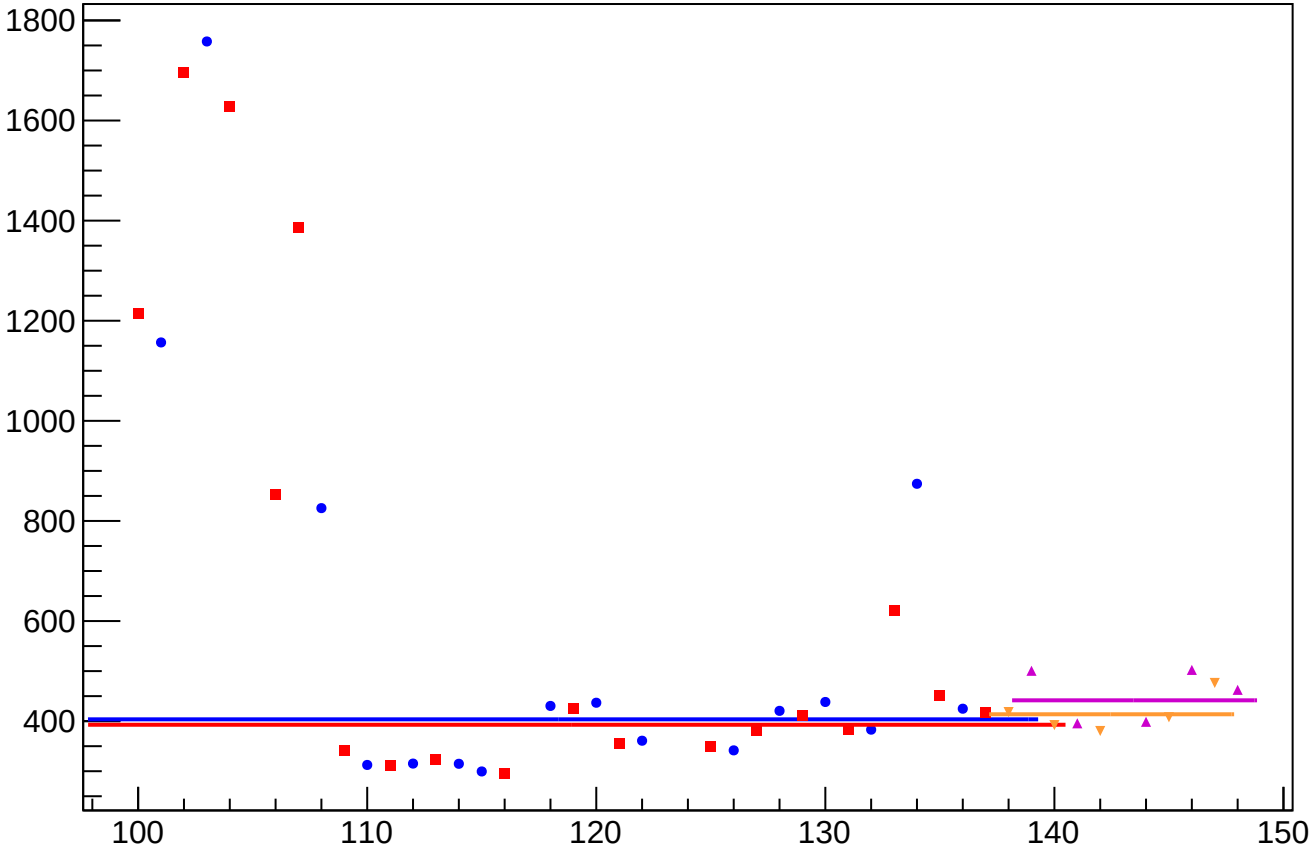
In: 1126.725+/-0.237 χ^2/NDF:635508.5/20

Out: 1139.166+/-0.247 χ^2/NDF:243850.9/22

All: 1132.693+/-0.171 χ^2/NDF: 880678.2/43


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -477.188+/-217.311 χ²/NDF:6.8/4
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 20.424+/-212.953 χ²/NDF:3.1/4
Left: -223.343+/-152.098 χ²/NDF: 12.6/9
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 17.168+/-128.854 χ²/NDF:22.7/20
Out: 15.219+/-128.229 χ²/NDF:29.7/22
All: 16.189+/-90.892 χ²/NDF: 52.5/43

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: 413.770+/-0.154 χ^2/NDF:40805.4/4

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 441.631+/-0.151 χ^2/NDF:97478.1/4

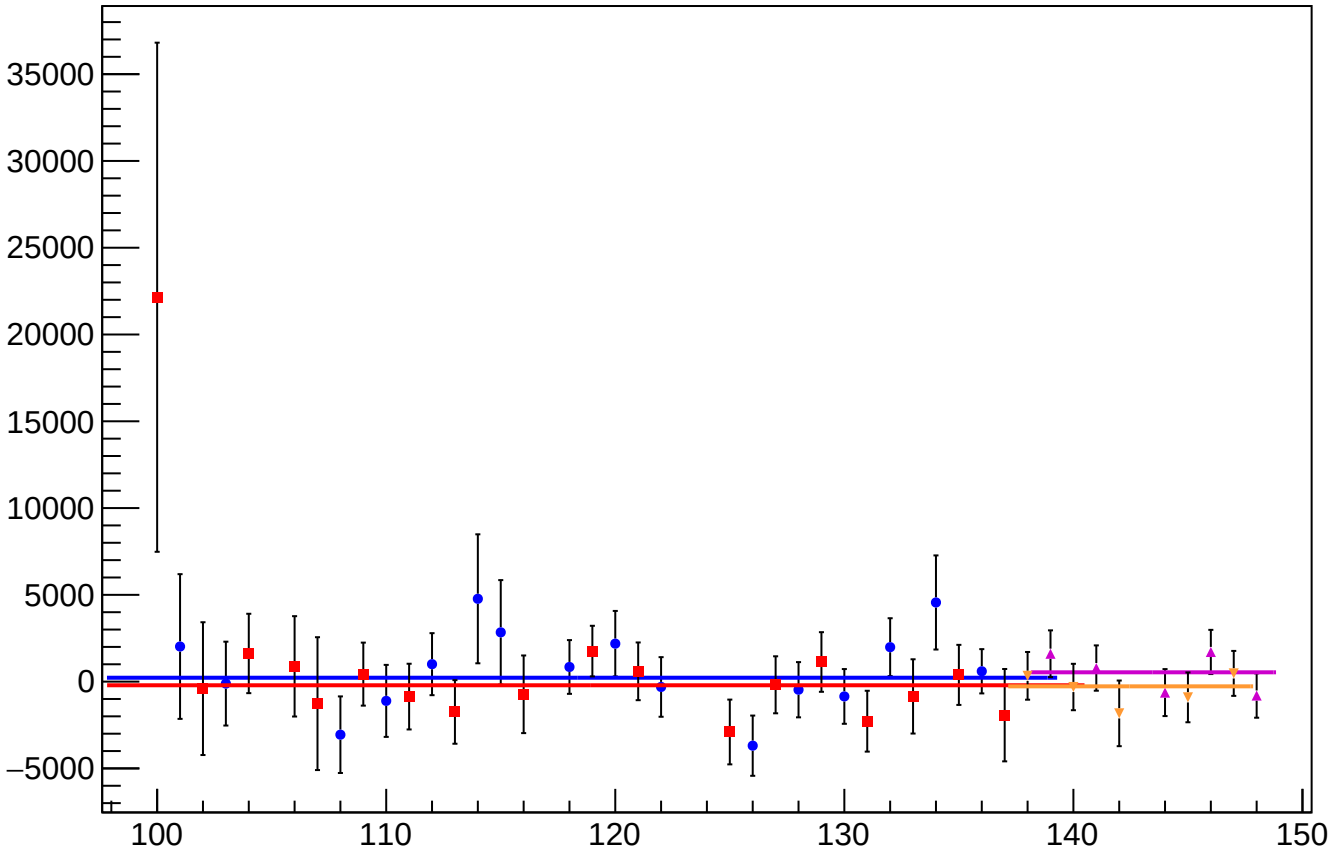
Left: 427.983+/-0.108 χ^2/NDF: 155053.7/9

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 417.558+/-0.091 χ^2/NDF:2067394.6/20

Out: 400.113+/-0.091 χ^2/NDF:2256387.7/22

All: 408.793+/-0.064 χ^2/NDF: 4342200.5/43



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -271.586+/-638.846 χ^2/NDF:1.4/4

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 536.916+/-585.887 χ^2/NDF:3.4/4

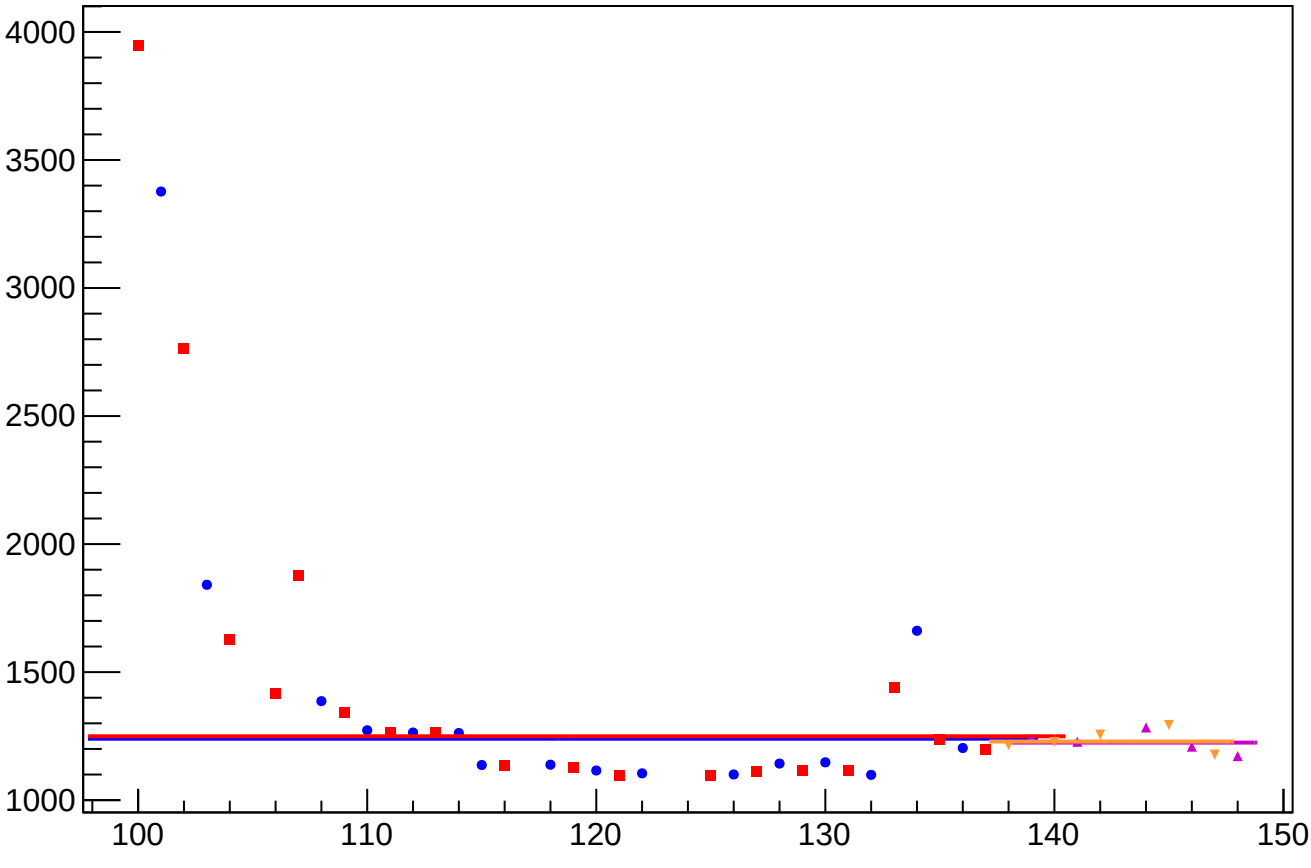
Left: 167.561+/-431.796 χ^2/NDF: 5.6/9

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 348.459+/-368.765 χ^2/NDF:19.7/20

Out: -231.933+/-382.634 χ^2/NDF:12.4/22

All: 68.971+/-265.524 χ^2/NDF: 33.2/43



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1228.918+/-0.452 χ^2/NDF:7800.5/4

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1224.794+/-0.414 χ^2/NDF:7742.5/4

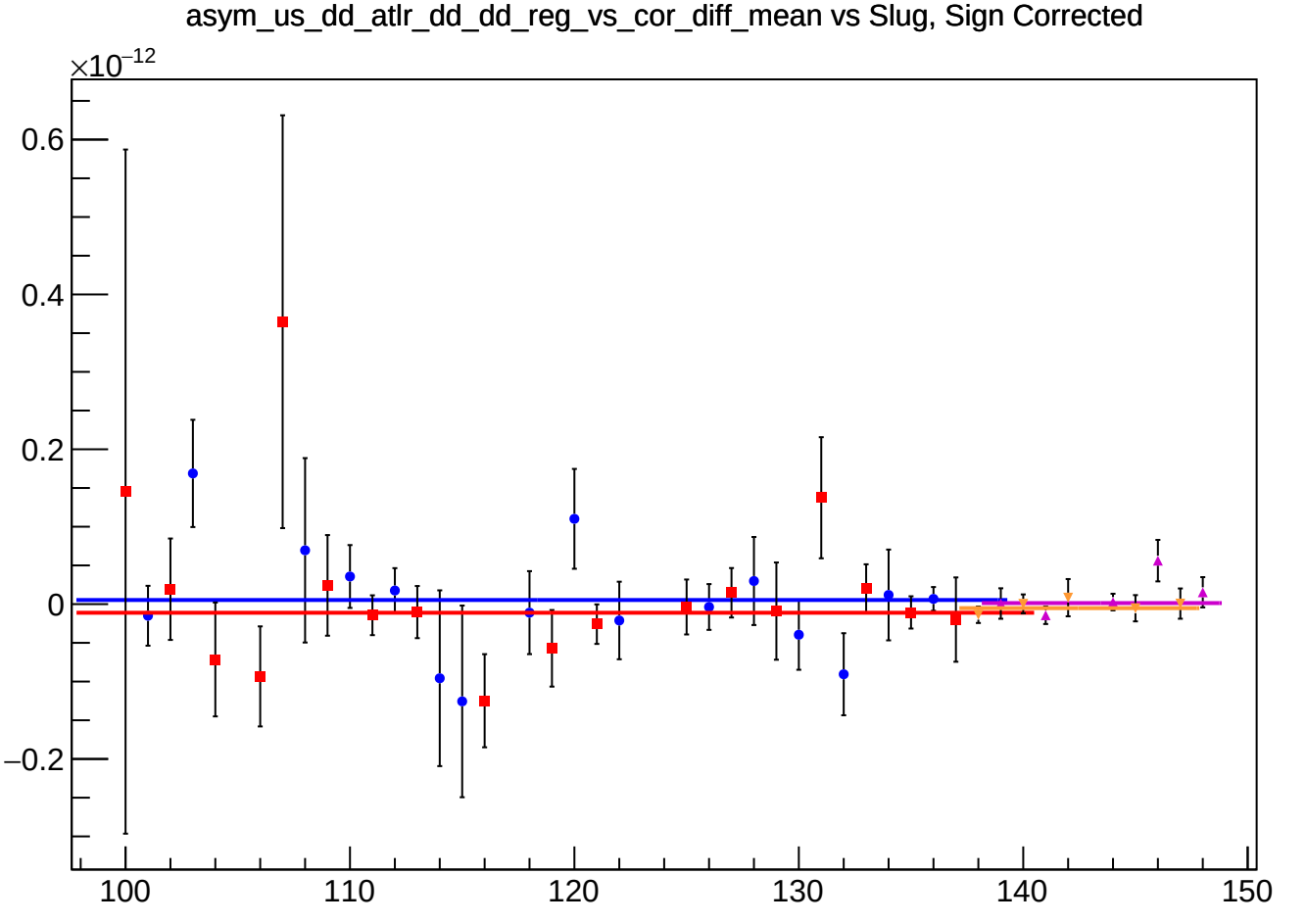
Left: 1226.678+/-0.305 χ^2/NDF: 15588.2/9

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1234.060+/-0.261 χ^2/NDF:791250.8/20

Out: 1242.059+/-0.271 χ^2/NDF:615219.3/22

All: 1237.912+/-0.188 χ^2/NDF: 1406923.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

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

Left In: 0.000+/-0.000 χ^2/NDF:6.6/4

Left: -0.000+/-0.000 χ^2/NDF: 8.4/9

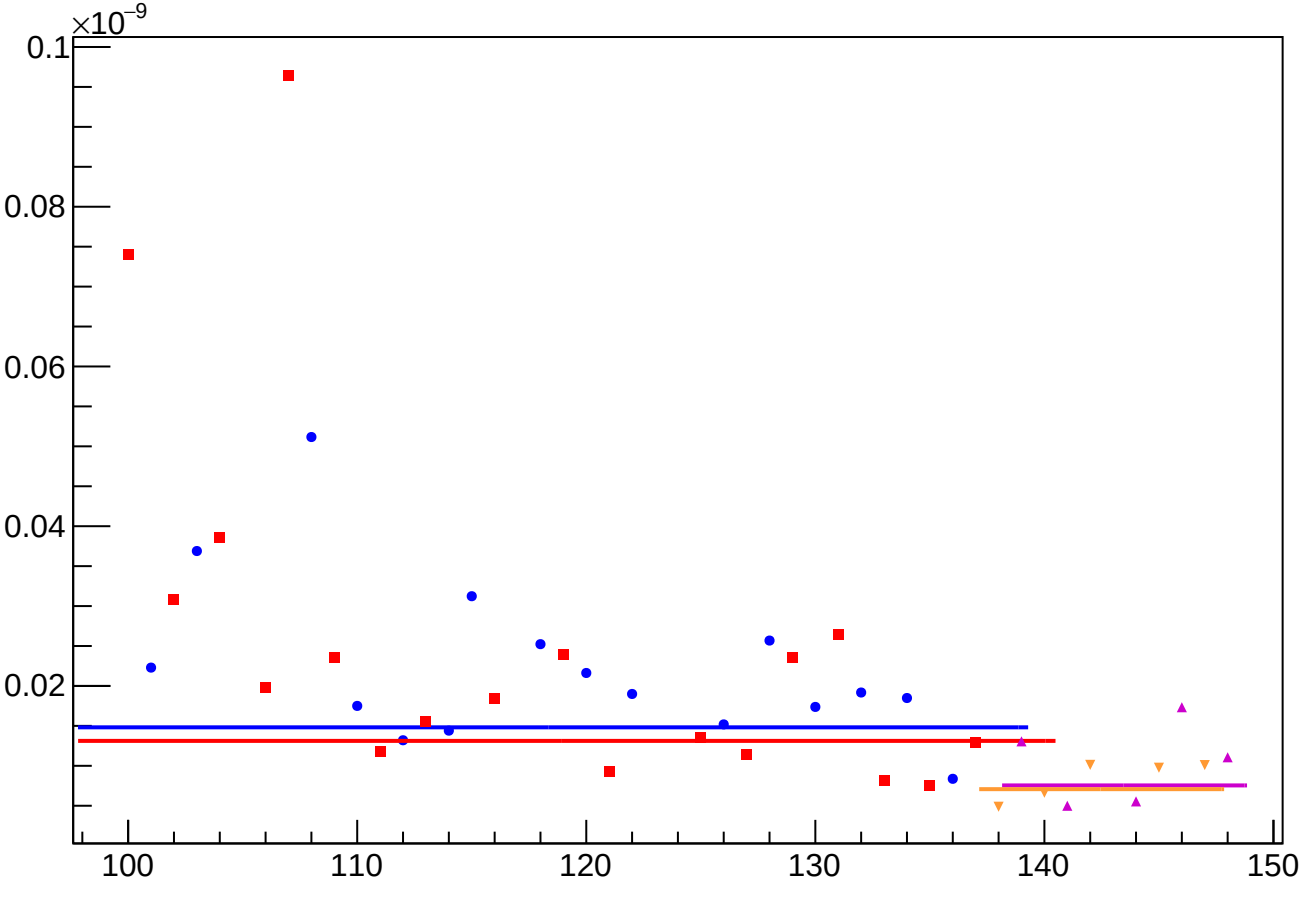
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:23.1/20

Out: -0.000+/-0.000 χ^2/NDF:16.6/22

All: -0.000+/-0.000 χ^2/NDF: 41.3/43

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:218045.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:659010.7/4

Left: 0.000+/-0.000 χ^2/NDF: 882149.7/9

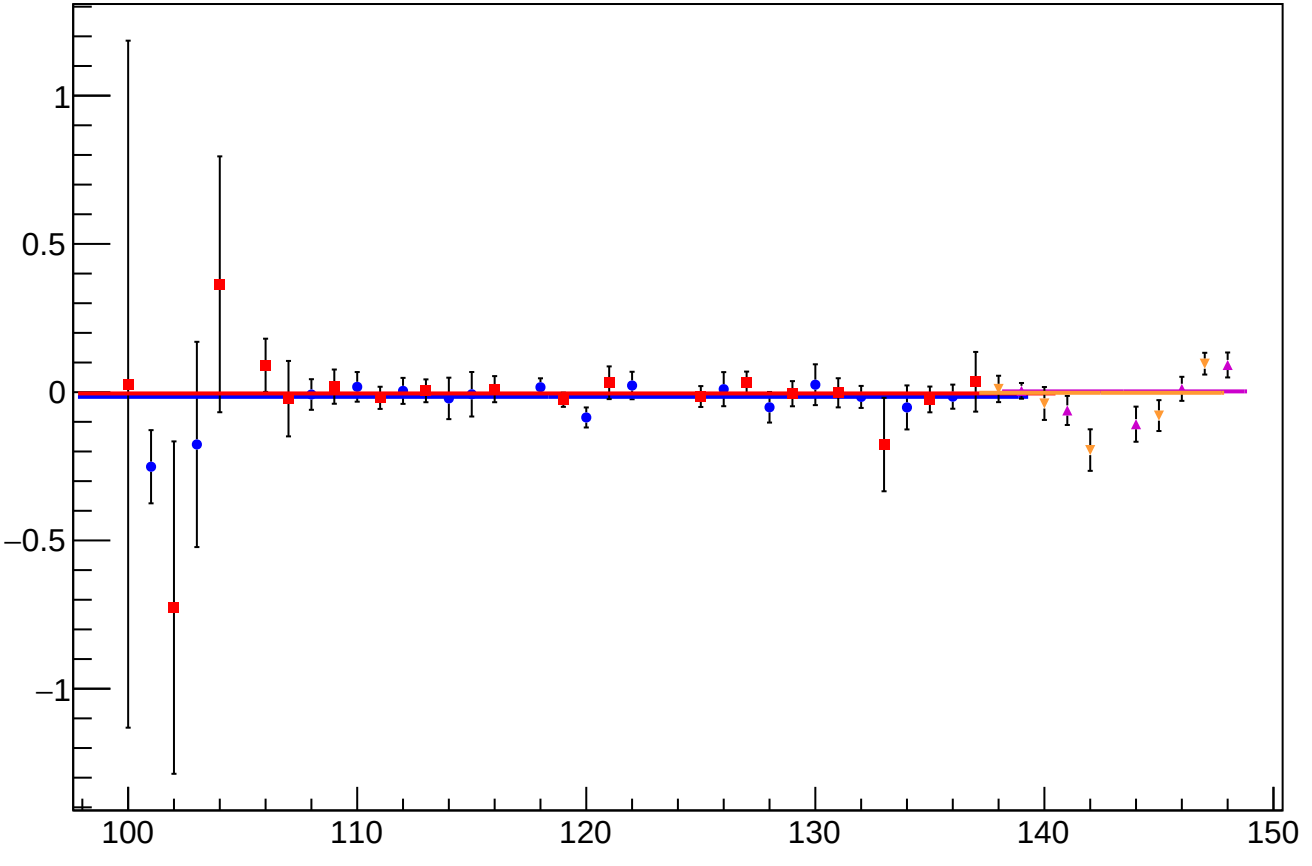
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2514971.6/20

Out: 0.000+/-0.000 χ^2/NDF:1959646.8/22

All: 0.000+/-0.000 χ^2/NDF: 4496775.1/43

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.003+/-0.017 χ^2/NDF:9.7/4

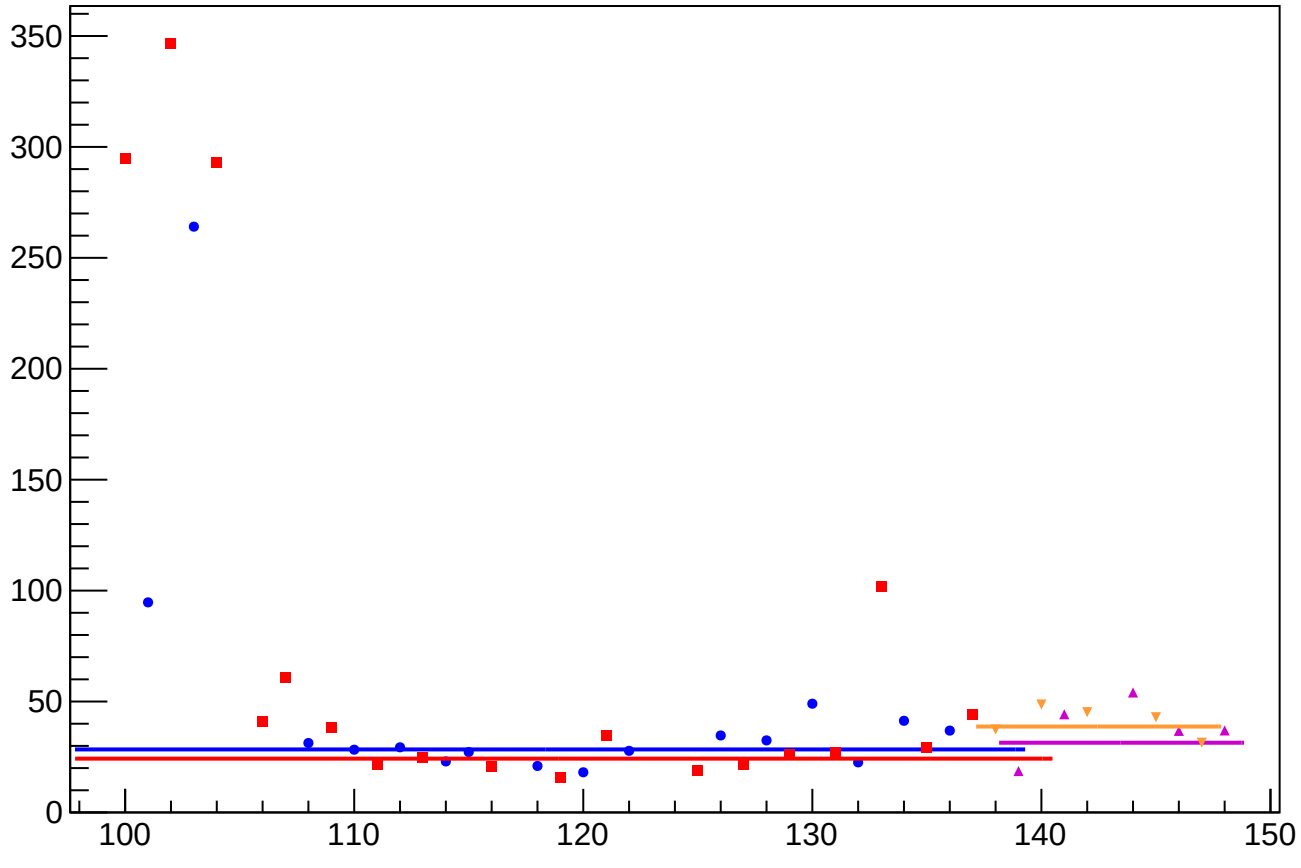
Left: 0.001+/-0.014 χ^2/NDF: 27.2/9

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.007+/-0.007 χ^2/NDF: 47.8/43



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.726+/-0.015 χ^2/NDF:174662.3/4

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 31.431+/-0.012 χ^2/NDF:962478.5/4

Left: 34.305+/-0.010 χ^2/NDF: 1275442.1/9

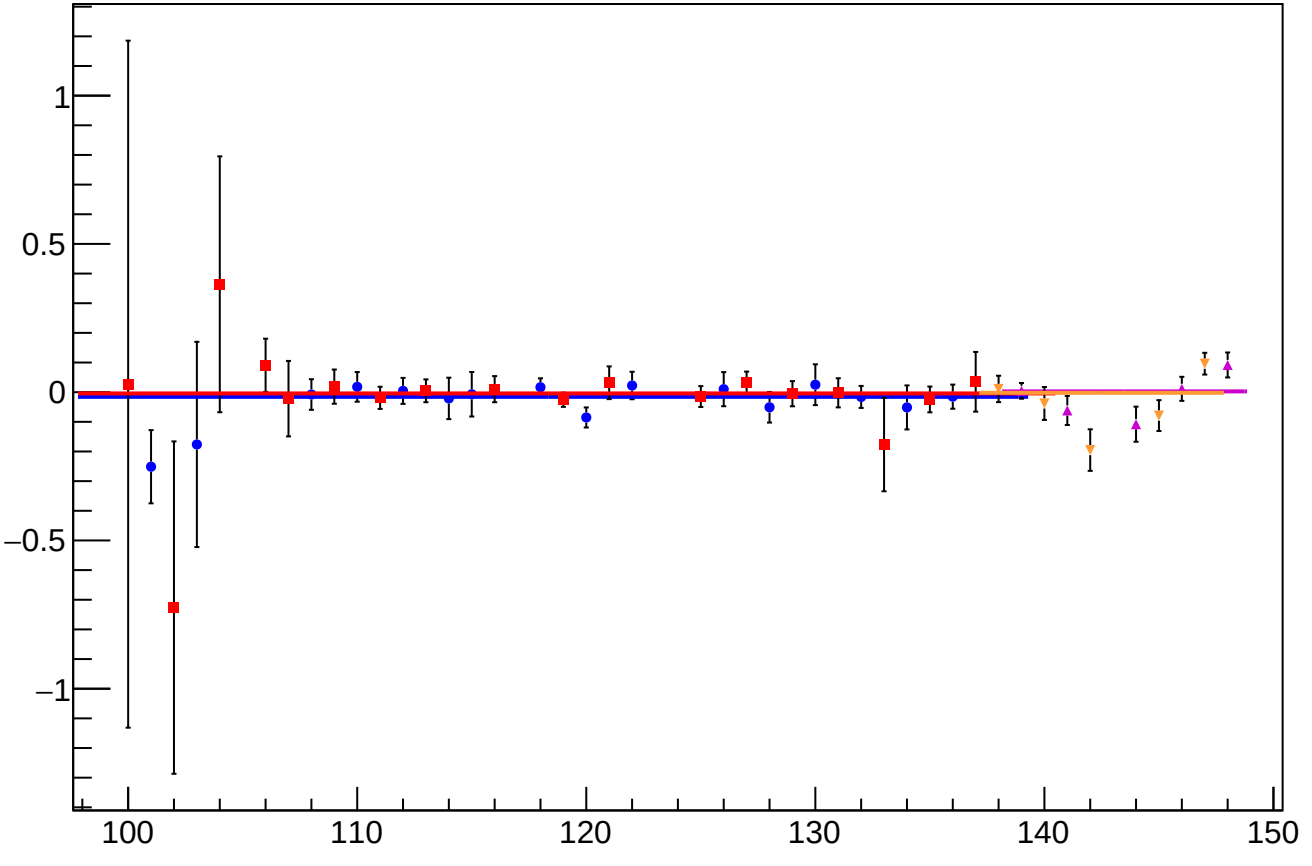
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 29.417+/-0.007 χ^2/NDF:3248229.2/20

Out: 27.425+/-0.007 χ^2/NDF:3789362.0/22

All: 28.427+/-0.005 χ^2/NDF: 7076637.2/43

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: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.003+/-0.017 χ^2/NDF:9.7/4

Left: 0.001+/-0.014 χ^2/NDF: 27.2/9

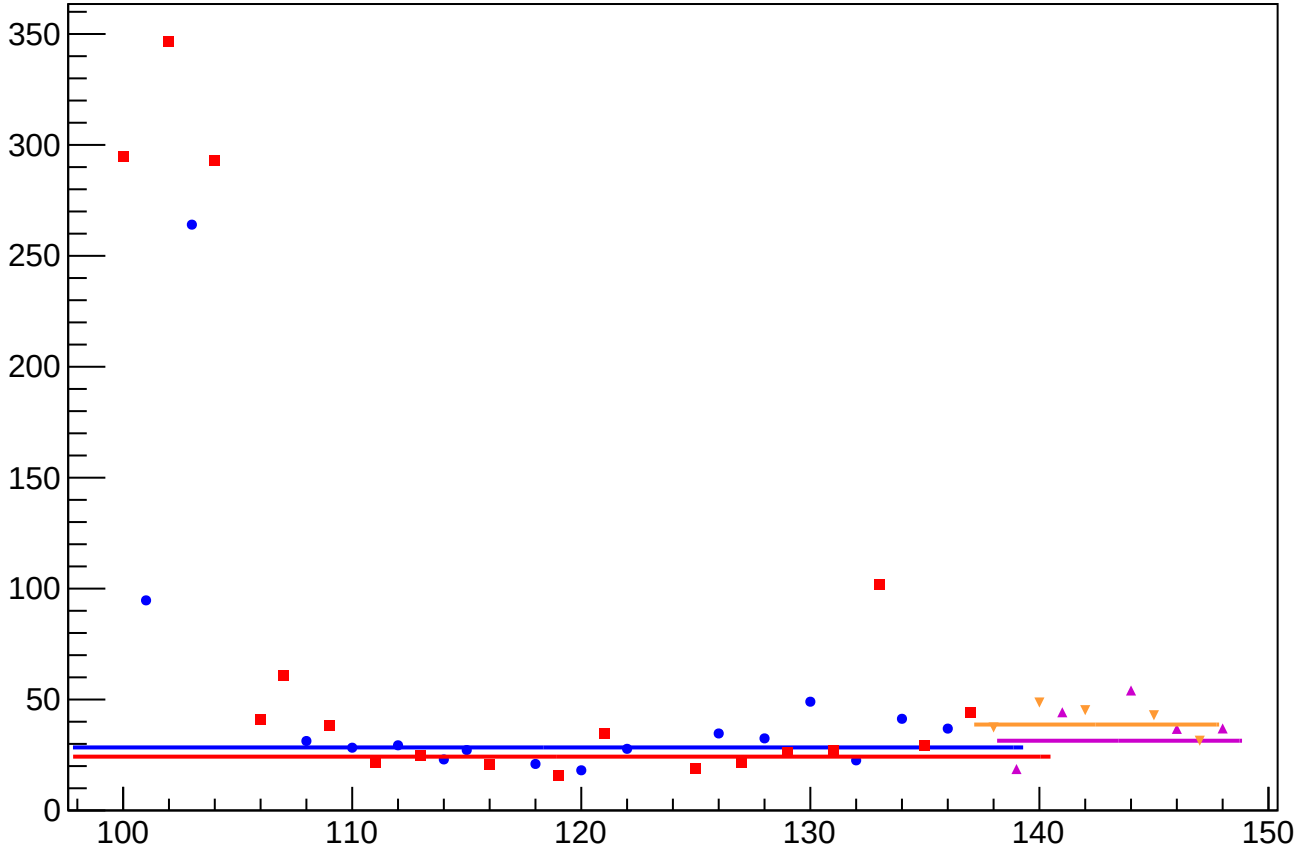
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.007+/-0.007 χ^2/NDF: 47.8/43

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.726+/-0.015 χ^2/NDF:174662.3/4

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 31.431+/-0.012 χ^2/NDF:962478.5/4

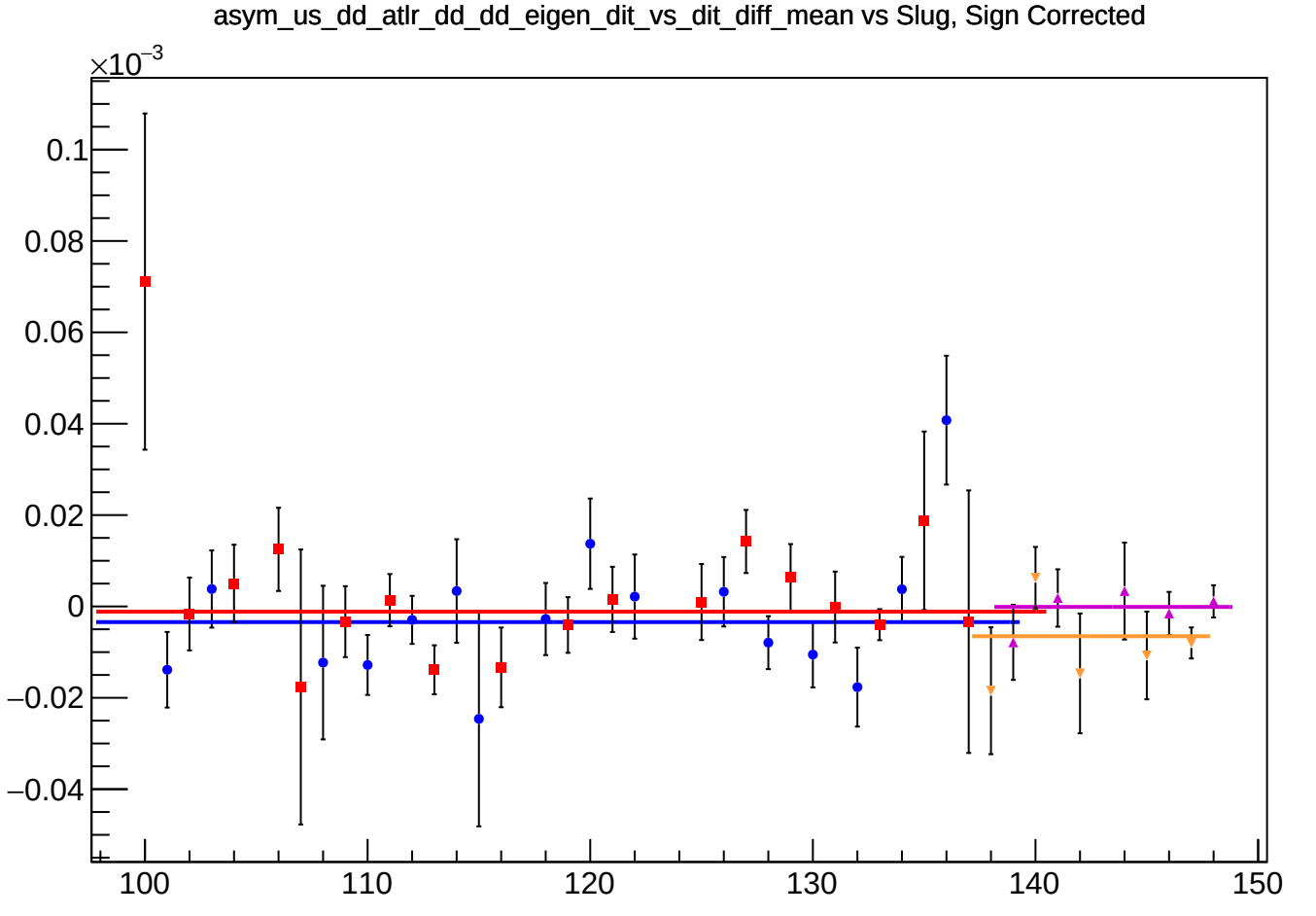
Left: 34.305+/-0.010 χ^2/NDF: 1275442.1/9

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 29.417+/-0.007 χ^2/NDF:3248229.2/20

Out: 27.425+/-0.007 χ^2/NDF:3789362.0/22

All: 28.427+/-0.005 χ^2/NDF: 7076637.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

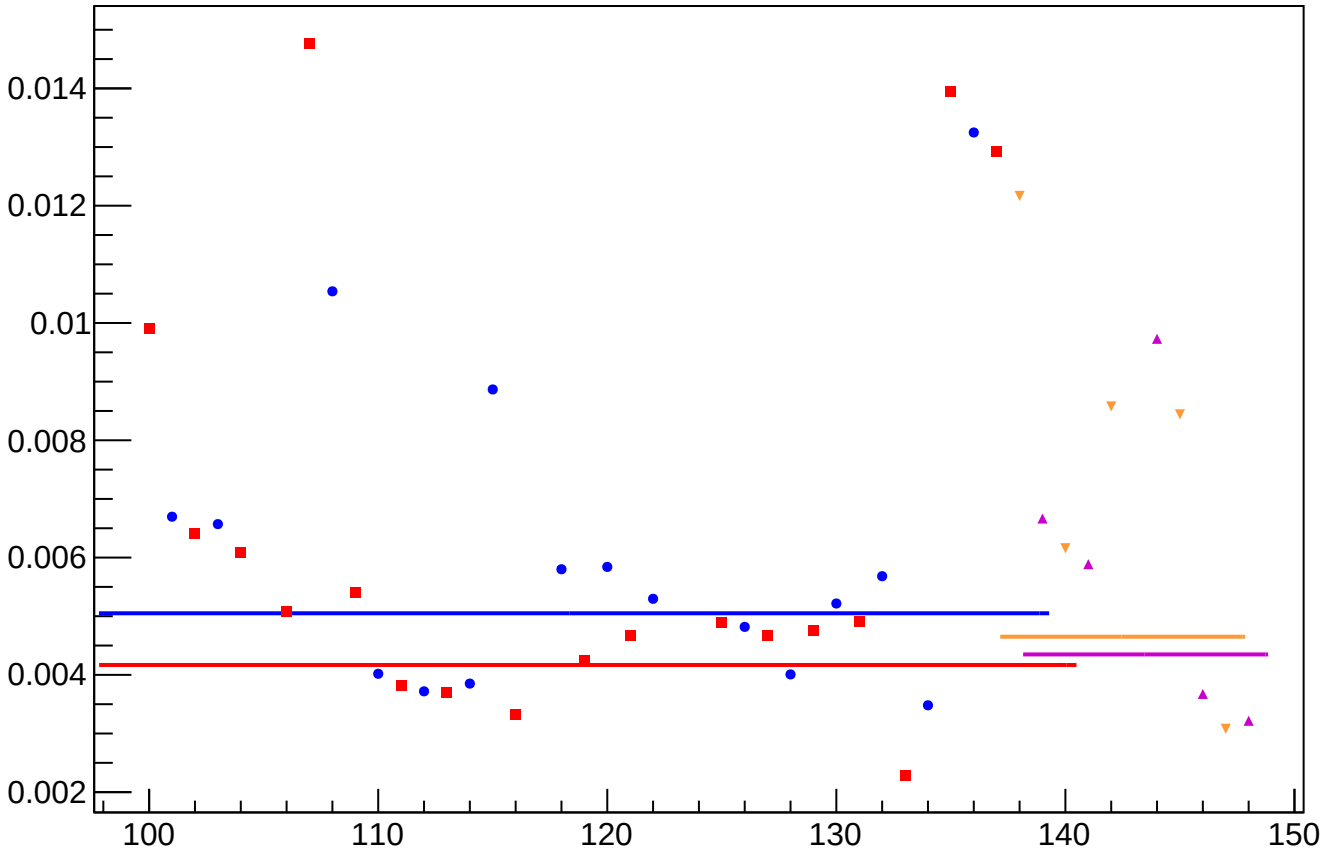
Left: -0.000+/-0.000 χ^2/NDF: 9.5/9

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:27.5/20

Out: -0.000+/-0.000 χ^2/NDF:30.8/22

All: -0.000+/-0.000 χ^2/NDF: 58.5/43



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1605166.4/4

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:1040351.0/4

Left: 0.004+/-0.000 χ^2/NDF: 2659163.6/9

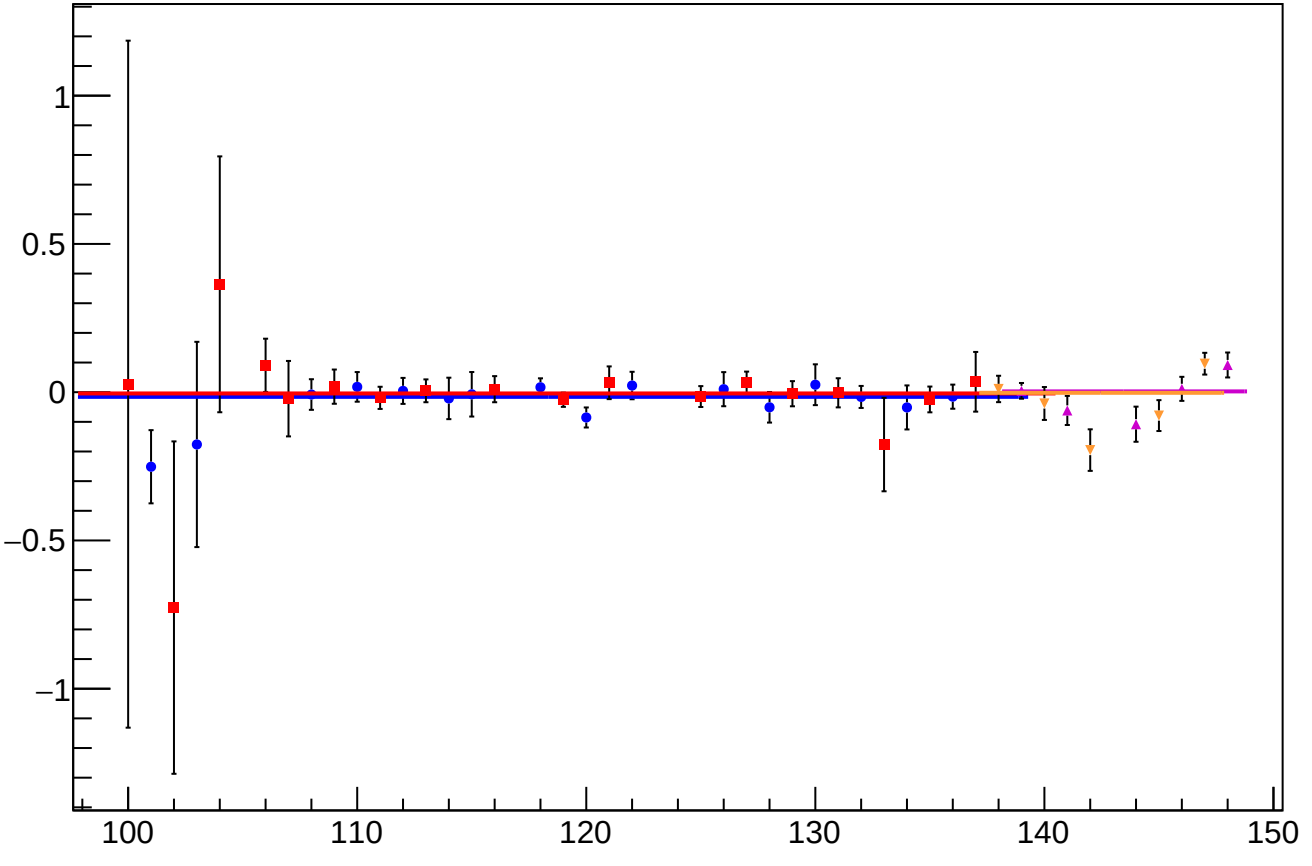
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:2634647.9/20

Out: 0.004+/-0.000 χ^2/NDF:3691259.4/22

All: 0.005+/-0.000 χ^2/NDF: 6419037.5/43

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: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.003+/-0.017 χ^2/NDF:9.7/4

Left: 0.001+/-0.014 χ^2/NDF: 27.2/9

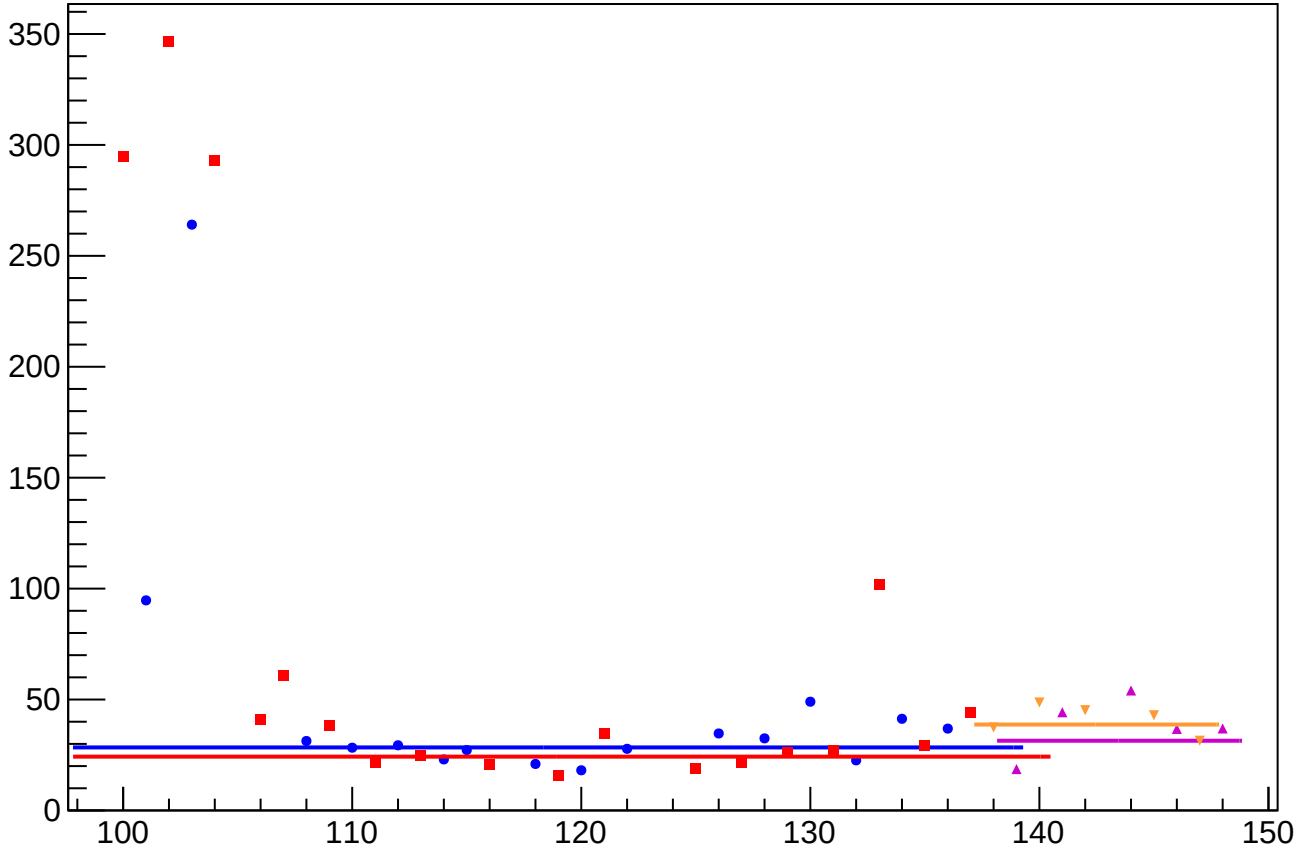
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.007+/-0.007 χ^2/NDF: 47.8/43

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.725+/-0.015 χ^2/NDF:174746.7/4

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 31.428+/-0.012 χ^2/NDF:962753.8/4

Left: 34.303+/-0.010 χ^2/NDF: 1275874.8/9

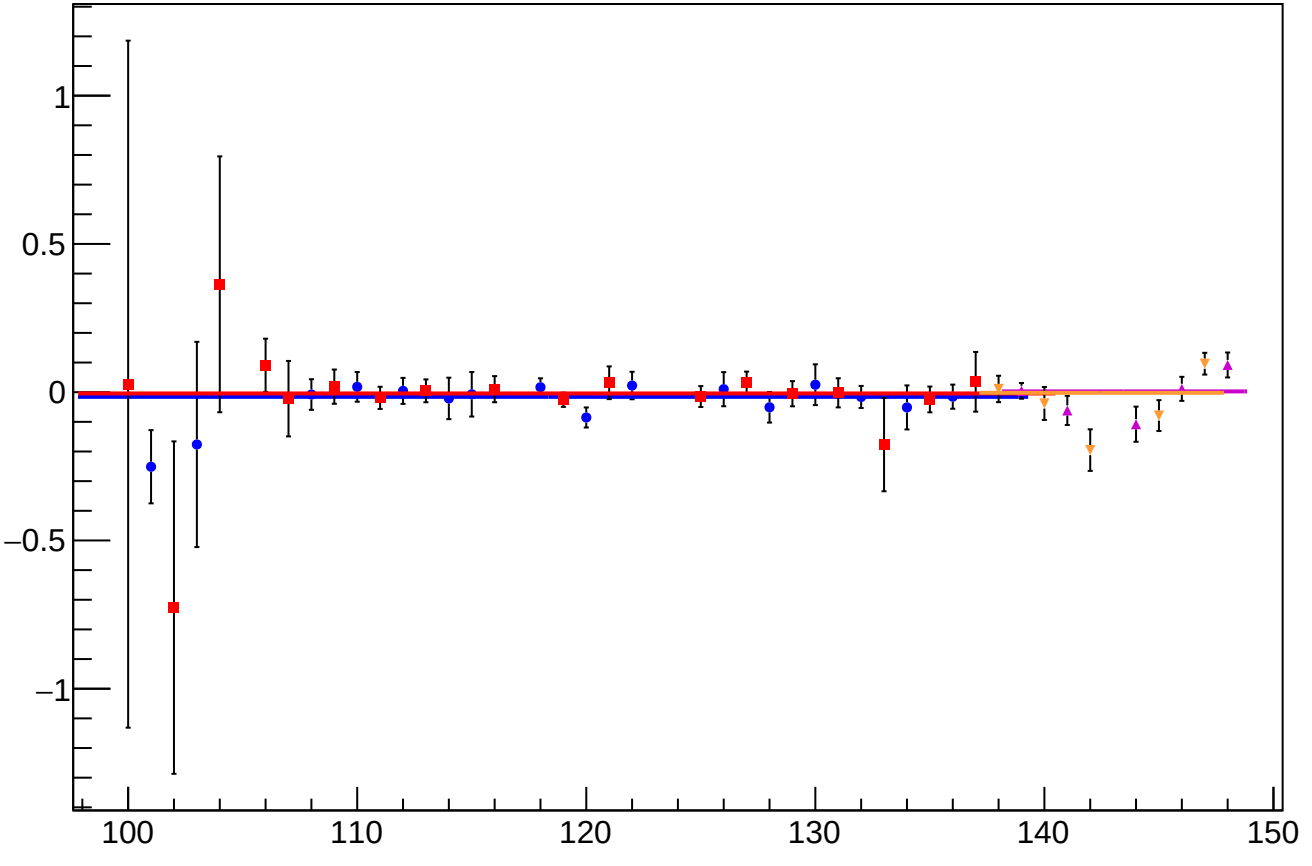
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 29.416+/-0.007 χ^2/NDF:3248454.7/20

Out: 27.424+/-0.007 χ^2/NDF:3789759.3/22

All: 28.426+/-0.005 χ^2/NDF: 7077292.3/43

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: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.003+/-0.017 χ^2/NDF:9.7/4

Left: 0.001+/-0.014 χ^2/NDF: 27.2/9

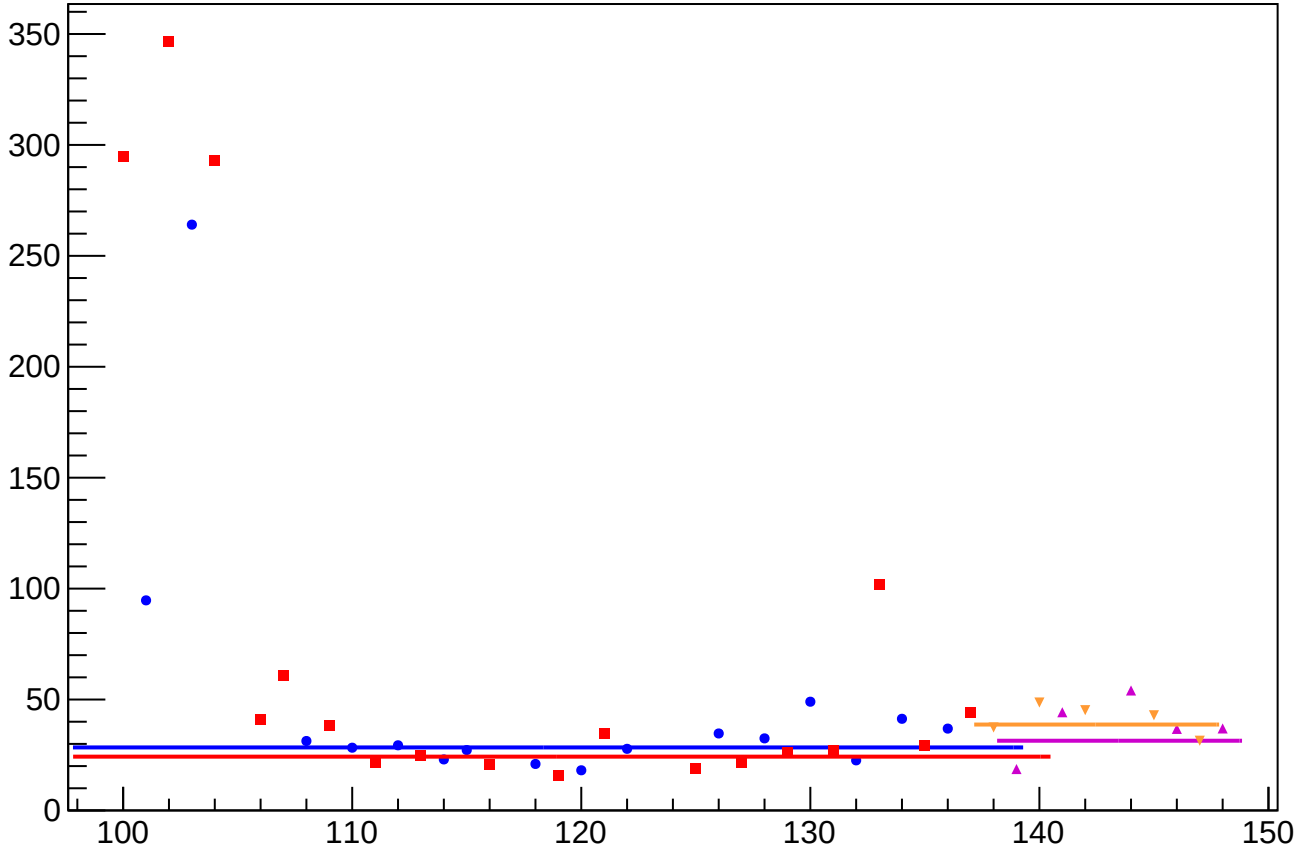
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.007+/-0.007 χ^2/NDF: 47.8/43

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: 38.725+/-0.015 χ^2/NDF:174746.7/4

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 31.428+/-0.012 χ^2/NDF:962753.8/4

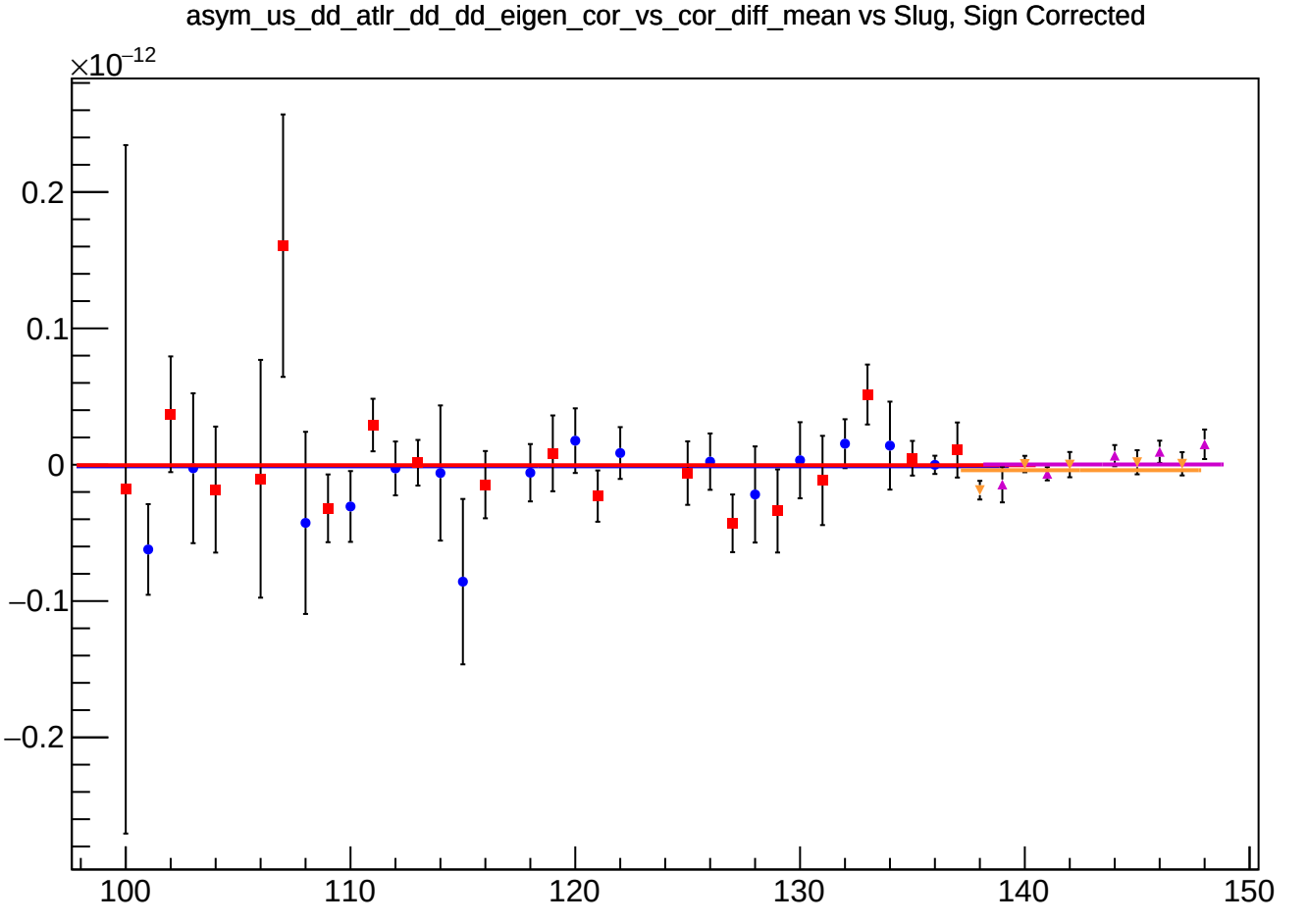
Left: 34.303+/-0.010 χ^2/NDF: 1275874.8/9

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 29.416+/-0.007 χ^2/NDF:3248454.7/20

Out: 27.424+/-0.007 χ^2/NDF:3789759.3/22

All: 28.426+/-0.005 χ^2/NDF: 7077292.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/4

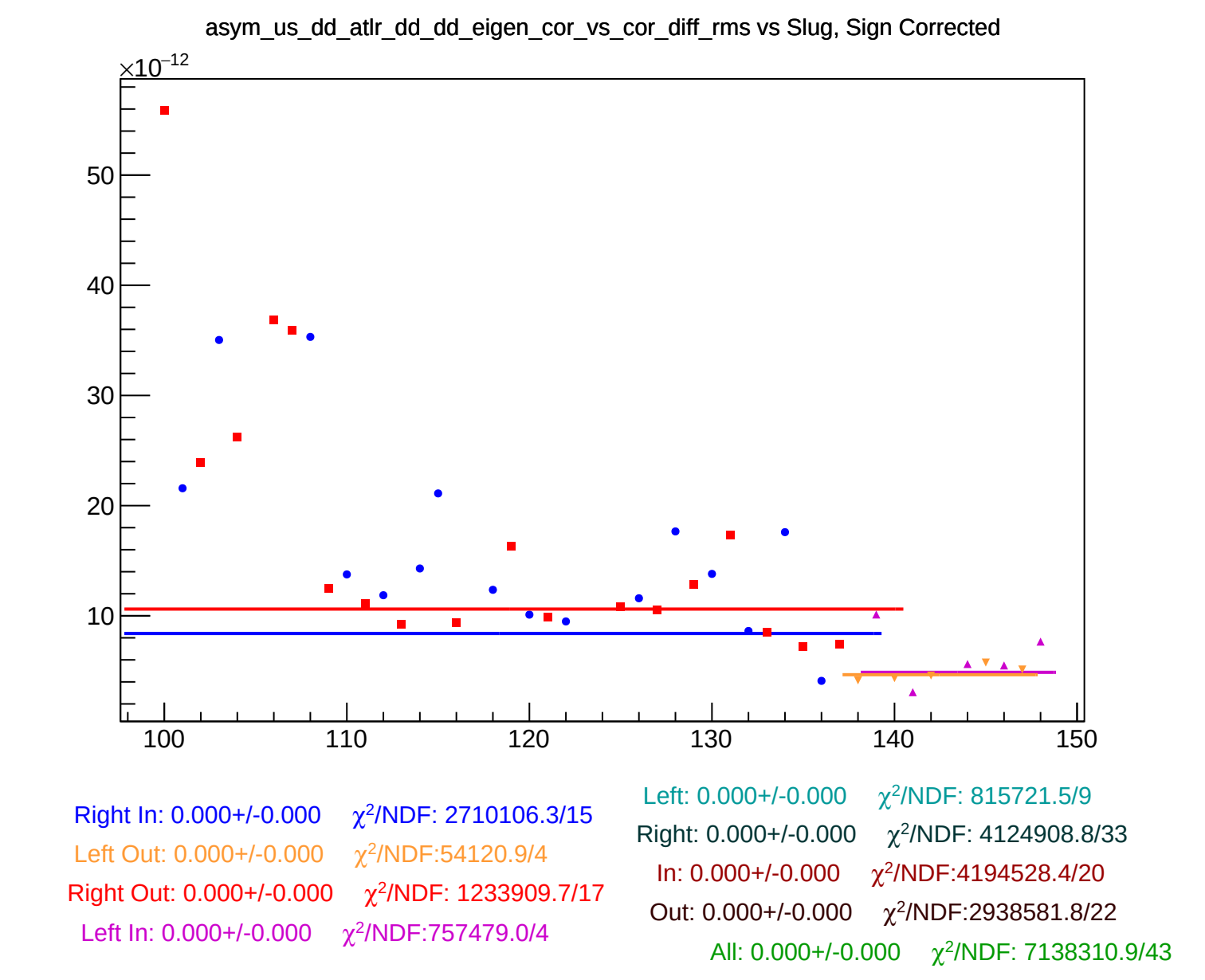
Left: -0.000+/-0.000 χ^2/NDF: 13.9/9

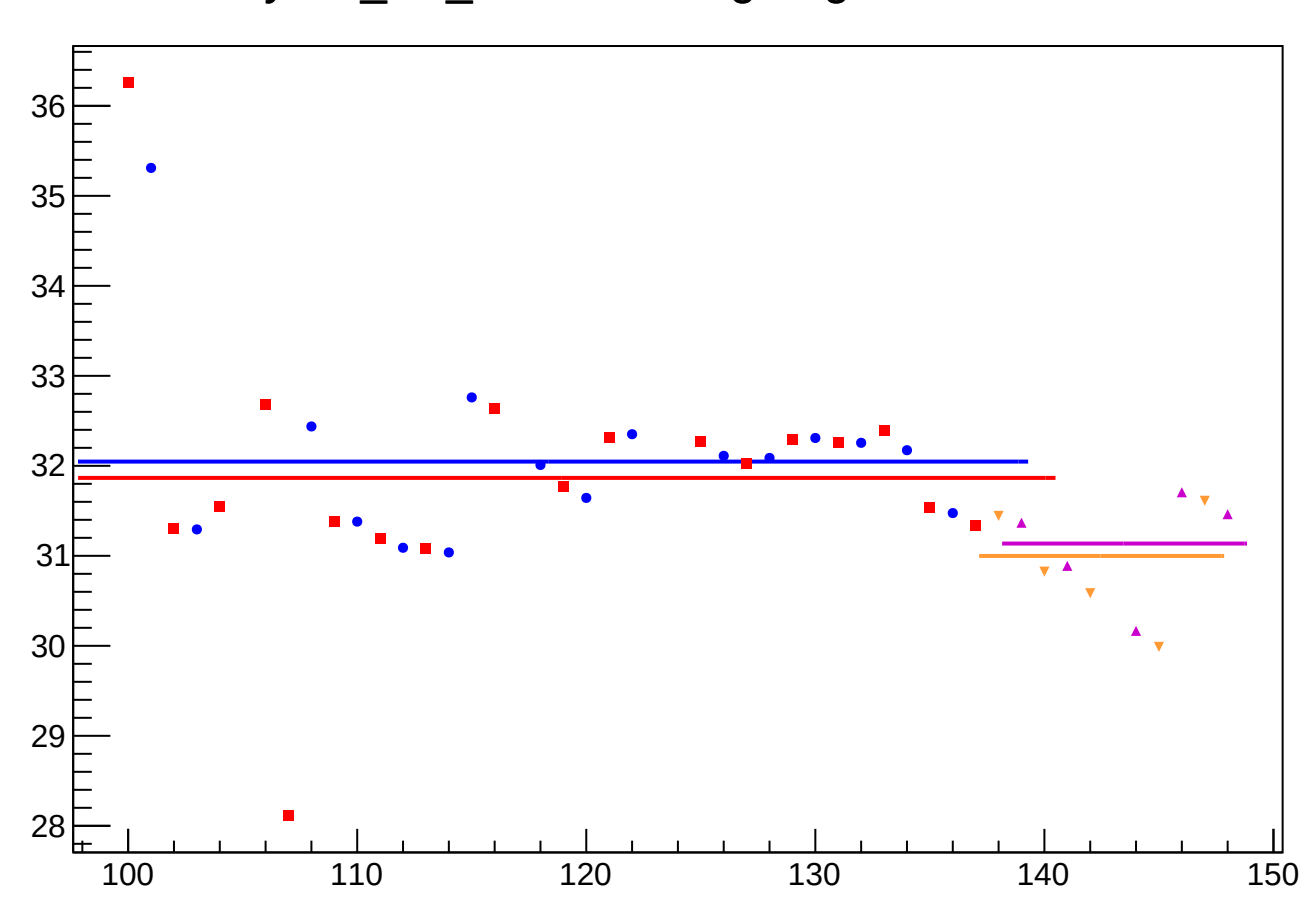
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:16.6/20

Out: -0.000+/-0.000 χ^2/NDF:27.5/22

All: -0.000+/-0.000 χ^2/NDF: 44.5/43


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:54120.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:757479.0/4
Left: 0.000+/-0.000 χ²/NDF: 815721.5/9
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4194528.4/20
Out: 0.000+/-0.000 χ²/NDF:2938581.8/22
All: 0.000+/-0.000 χ²/NDF: 7138310.9/43



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.999+/-0.000 χ^2/NDF:157540563.7/4

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.136+/-0.000 χ^2/NDF:166033171.5/4

Left: 31.075+/-0.000 χ^2/NDF: 328159779.2/9

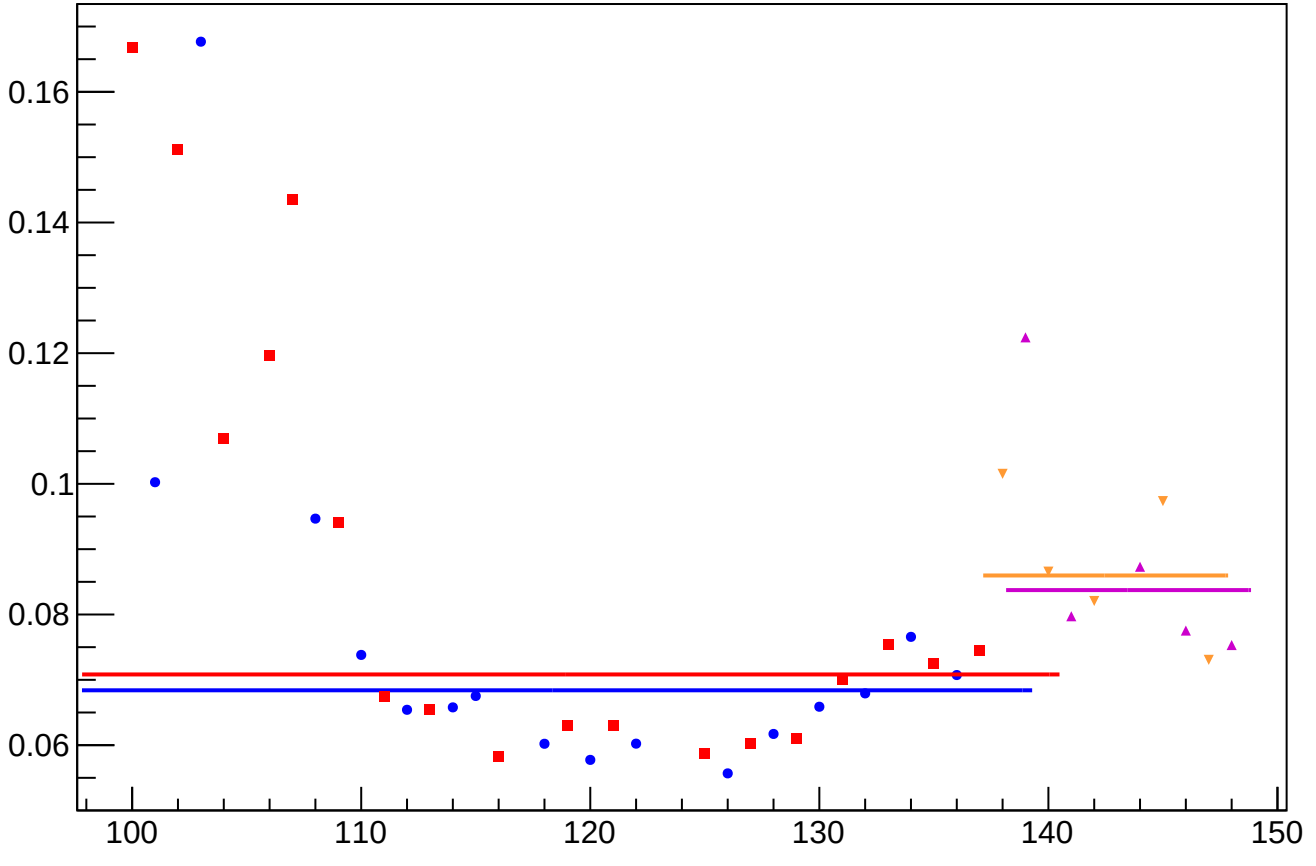
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.785+/-0.000 χ^2/NDF:1383756534.4/20

Out: 31.640+/-0.000 χ^2/NDF:886424837.3/22

All: 31.717+/-0.000 χ^2/NDF: 2288764206.6/4

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.086+/-0.000 χ^2/NDF:102462.7/4

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.084+/-0.000 χ^2/NDF:192619.0/4

Left: 0.085+/-0.000 χ^2/NDF: 297497.1/9

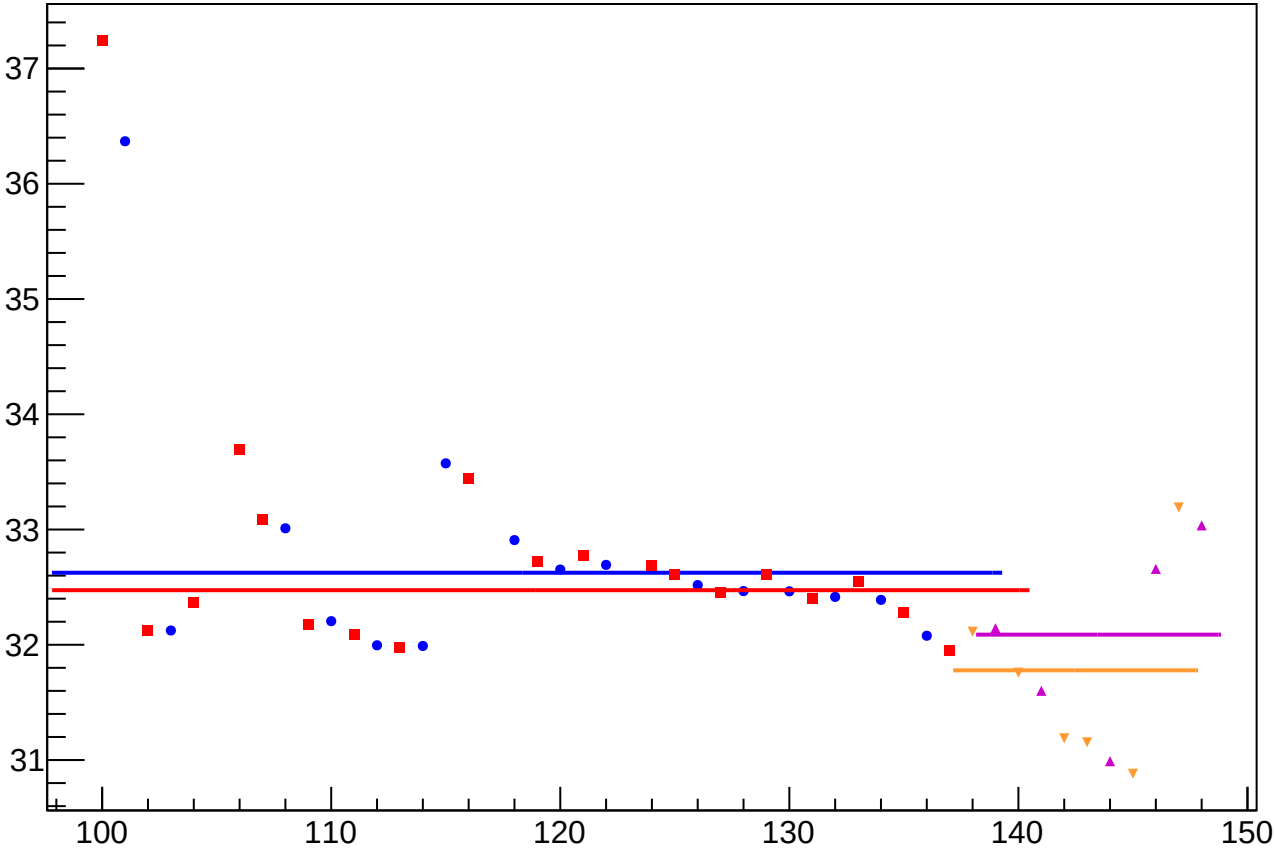
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1076898.2/20

Out: 0.075+/-0.000 χ^2/NDF:1118918.1/22

All: 0.074+/-0.000 χ^2/NDF: 2202590.2/43

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.778+/-0.000 χ^2/NDF:437066580.8/5

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.088+/-0.000 χ^2/NDF:381030116.6/4

Left: 31.933+/-0.000 χ^2/NDF: 847697569.4/10

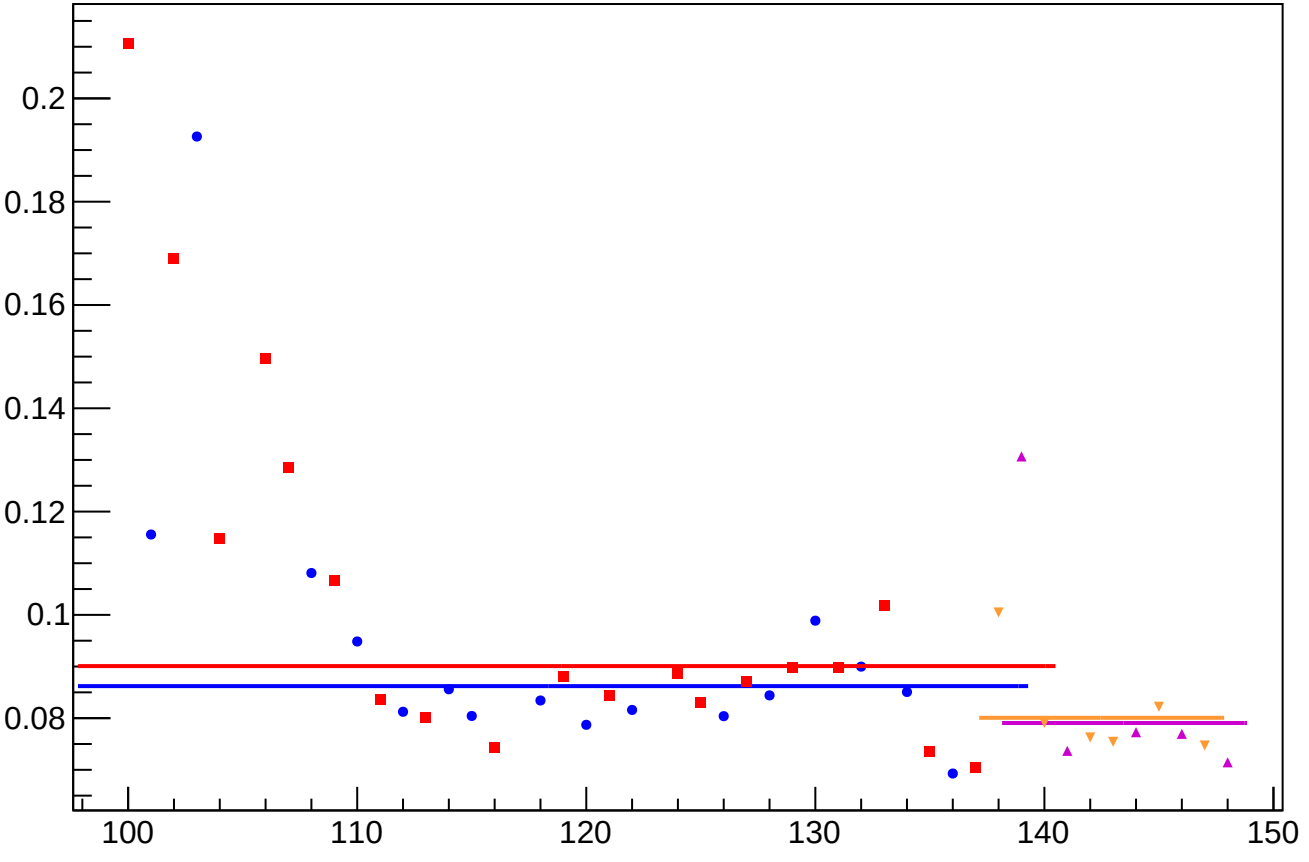
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.398+/-0.000 χ^2/NDF:1223291481.6/20

Out: 32.170+/-0.000 χ^2/NDF:761577685.3/24

All: 32.286+/-0.000 χ^2/NDF: 2022203937.7/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.080+/-0.000 χ^2/NDF:75215.0/5

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.079+/-0.000 χ^2/NDF:282815.7/4

Left: 0.080+/-0.000 χ^2/NDF: 358659.2/10

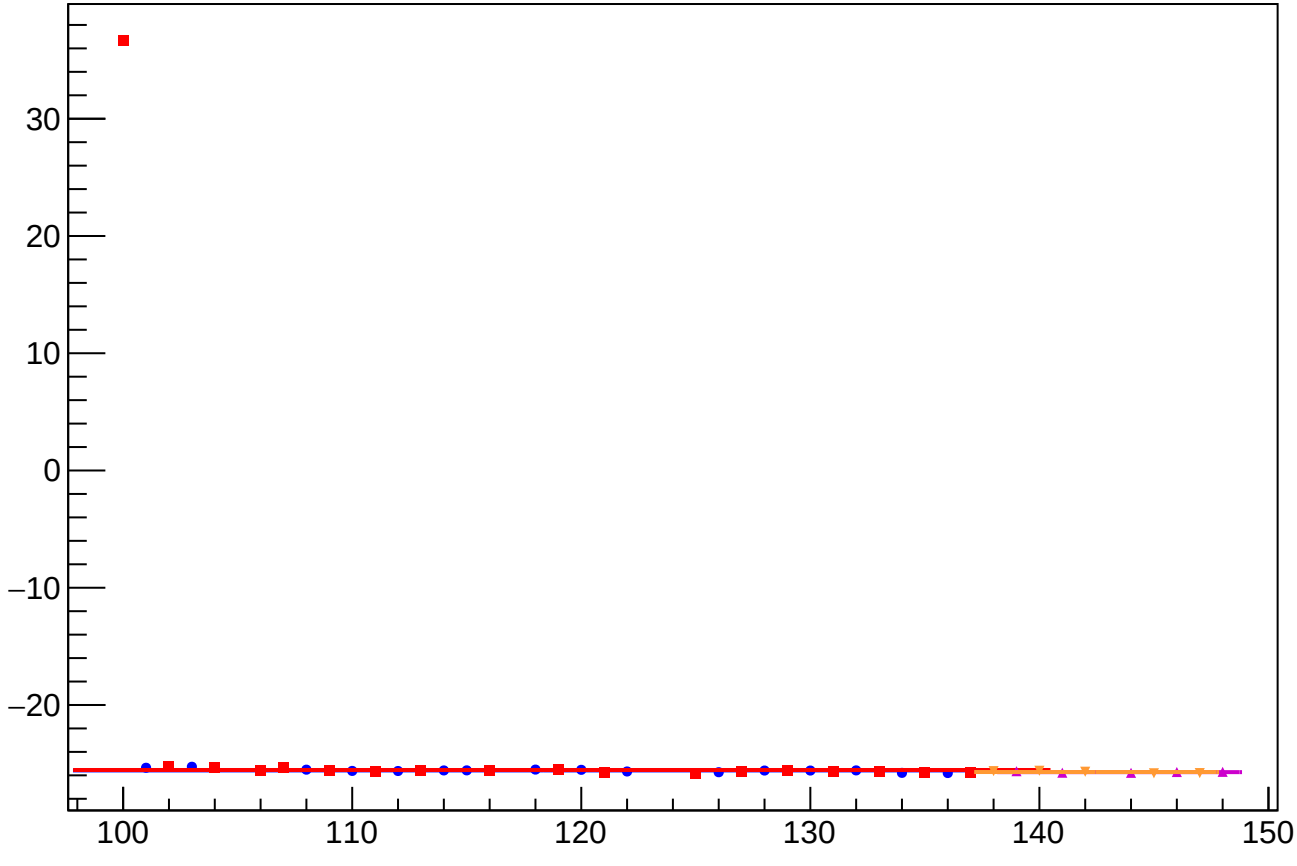
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.083+/-0.000 χ^2/NDF:917979.7/20

Out: 0.086+/-0.000 χ^2/NDF:766601.9/24

All: 0.084+/-0.000 χ^2/NDF: 1693743.0/45

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.717+/-0.000 χ^2/NDF:15609436.7/4

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.726+/-0.000 χ^2/NDF:5691670.0/4

Left: -25.722+/-0.000 χ^2/NDF: 21390941.1/9

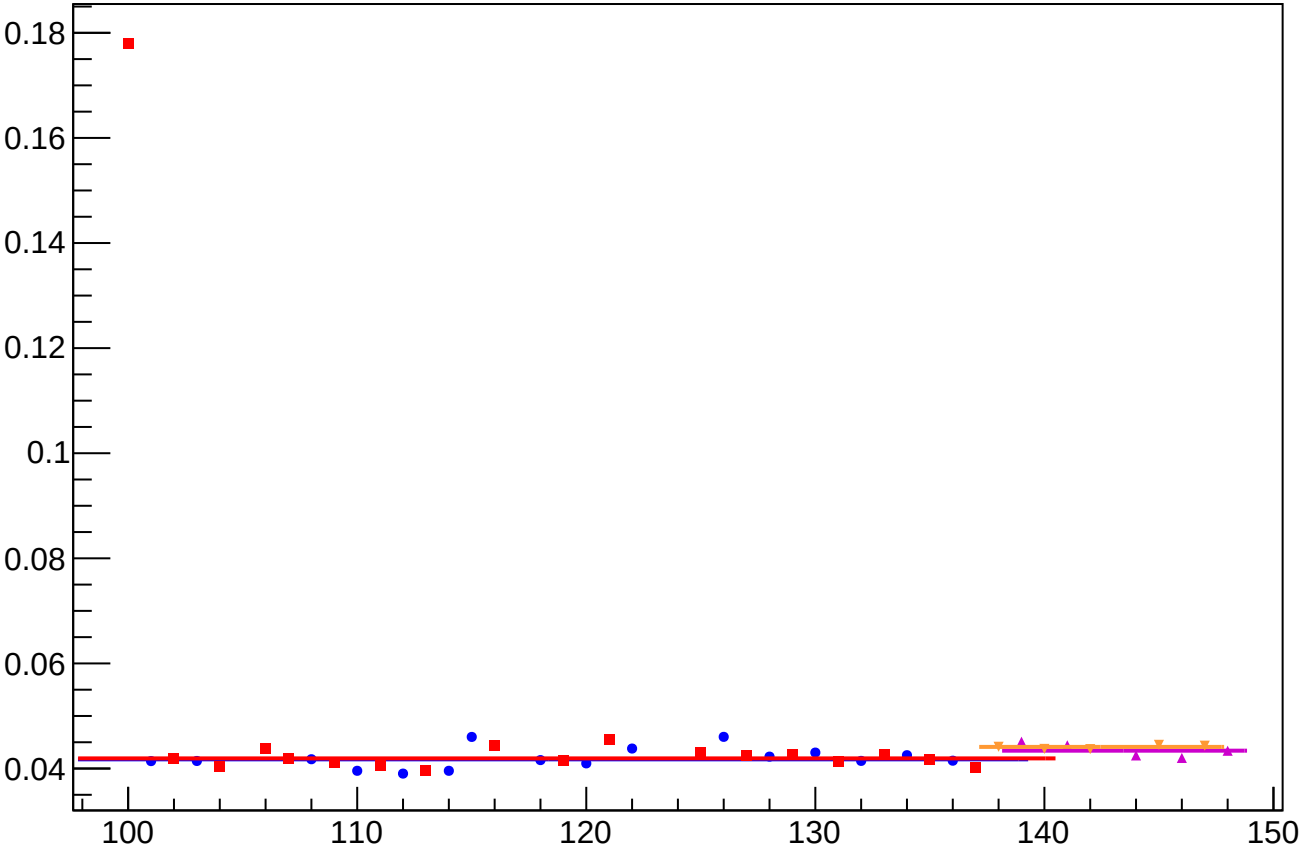
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.632+/-0.000 χ^2/NDF:136027925.4/20

Out: -25.598+/-0.000 χ^2/NDF:8961873662.8/22

All: -25.615+/-0.000 χ^2/NDF: 9101413578.2/

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:375.8/4

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:6035.1/4

Left: 0.044+/-0.000 χ^2/NDF: 7473.5/9

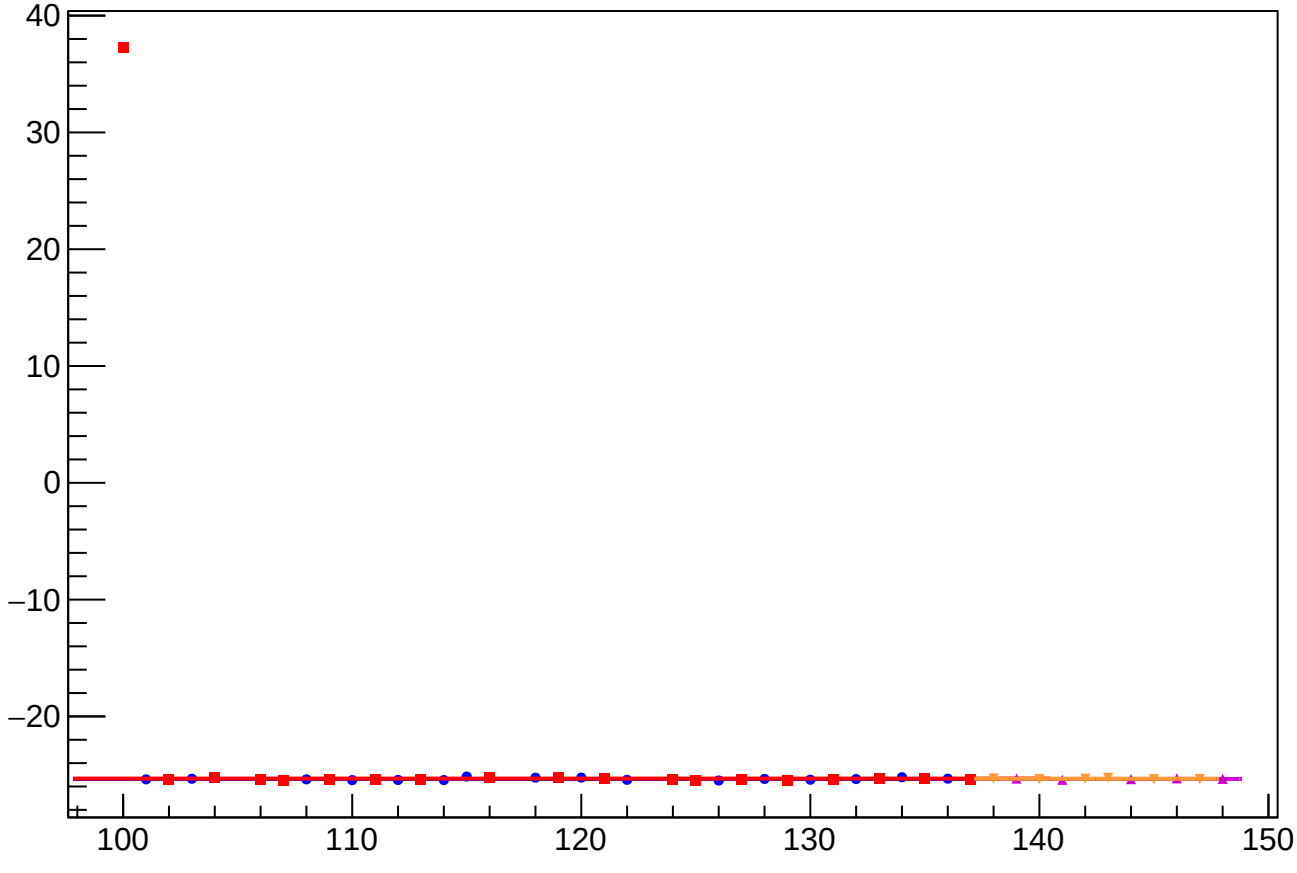
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:34773.4/20

Out: 0.043+/-0.000 χ^2/NDF:112856.3/22

All: 0.042+/-0.000 χ^2/NDF: 148097.6/43

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.337+/-0.000 χ^2/NDF:2298974.3/5

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.354+/-0.000 χ^2/NDF:2216481.3/4

Left: -25.345+/-0.000 χ^2/NDF: 4691164.1/10

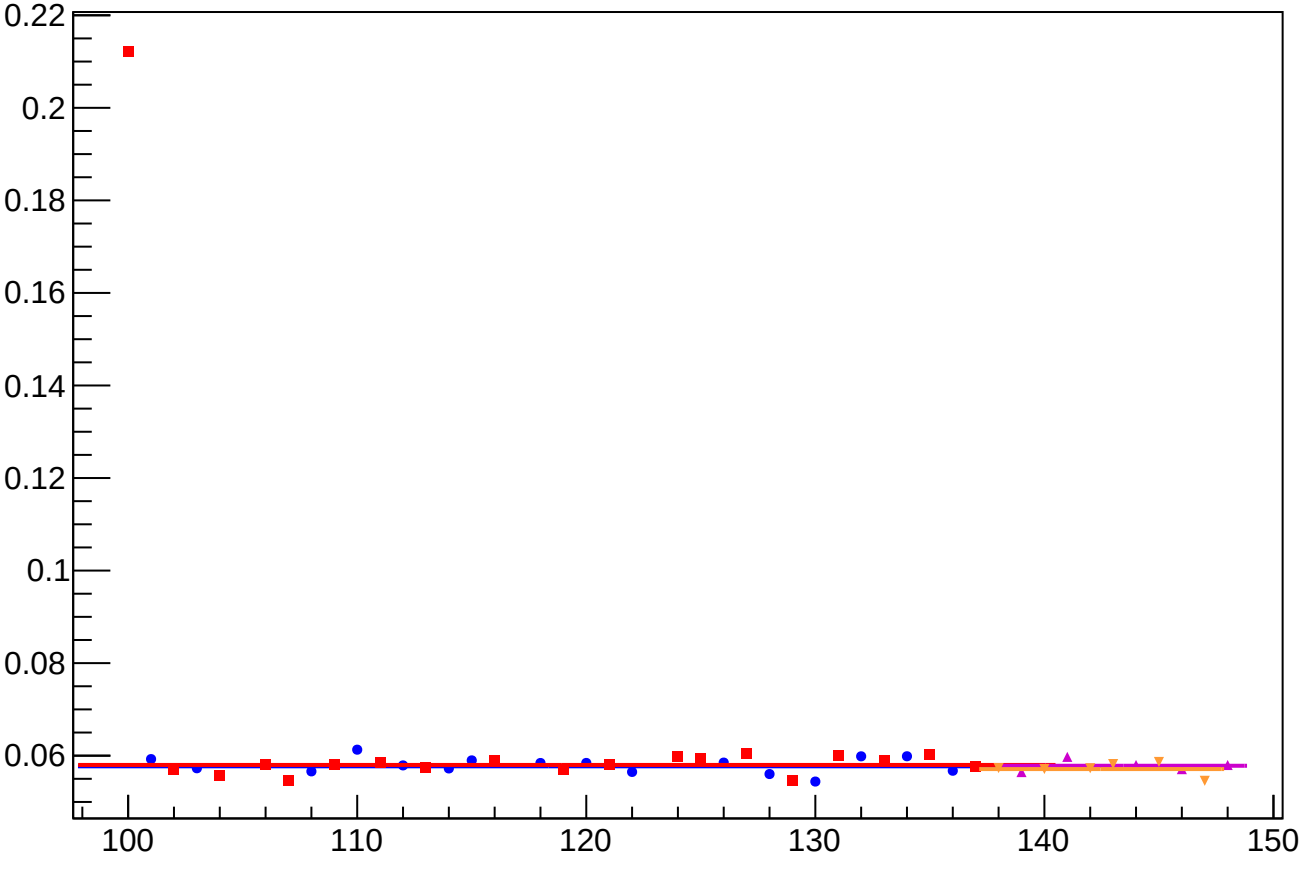
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.358+/-0.000 χ^2/NDF:15535920.8/20

Out: -25.328+/-0.000 χ^2/NDF:6317392510.8/24

All: -25.343+/-0.000 χ^2/NDF: 6334458034.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:5073.4/5

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3029.8/4

Left: 0.057+/-0.000 χ^2/NDF: 8766.7/10

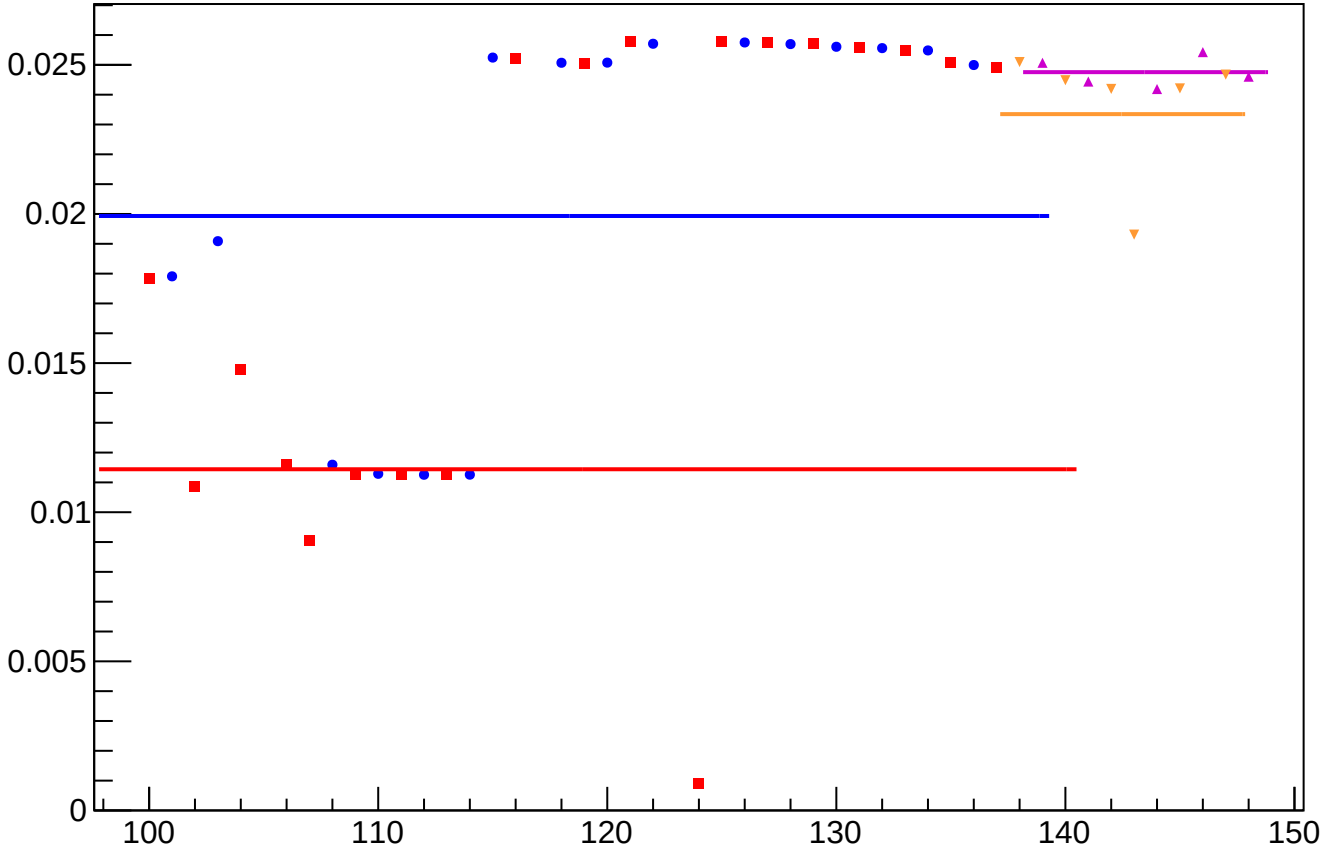
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14815.9/20

Out: 0.058+/-0.000 χ^2/NDF:95065.8/24

All: 0.058+/-0.000 χ^2/NDF: 109909.6/45

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3880796164.3/5

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:145993389.6/4

Left: 0.024+/-0.000 χ^2/NDF: 4766777164.3/10

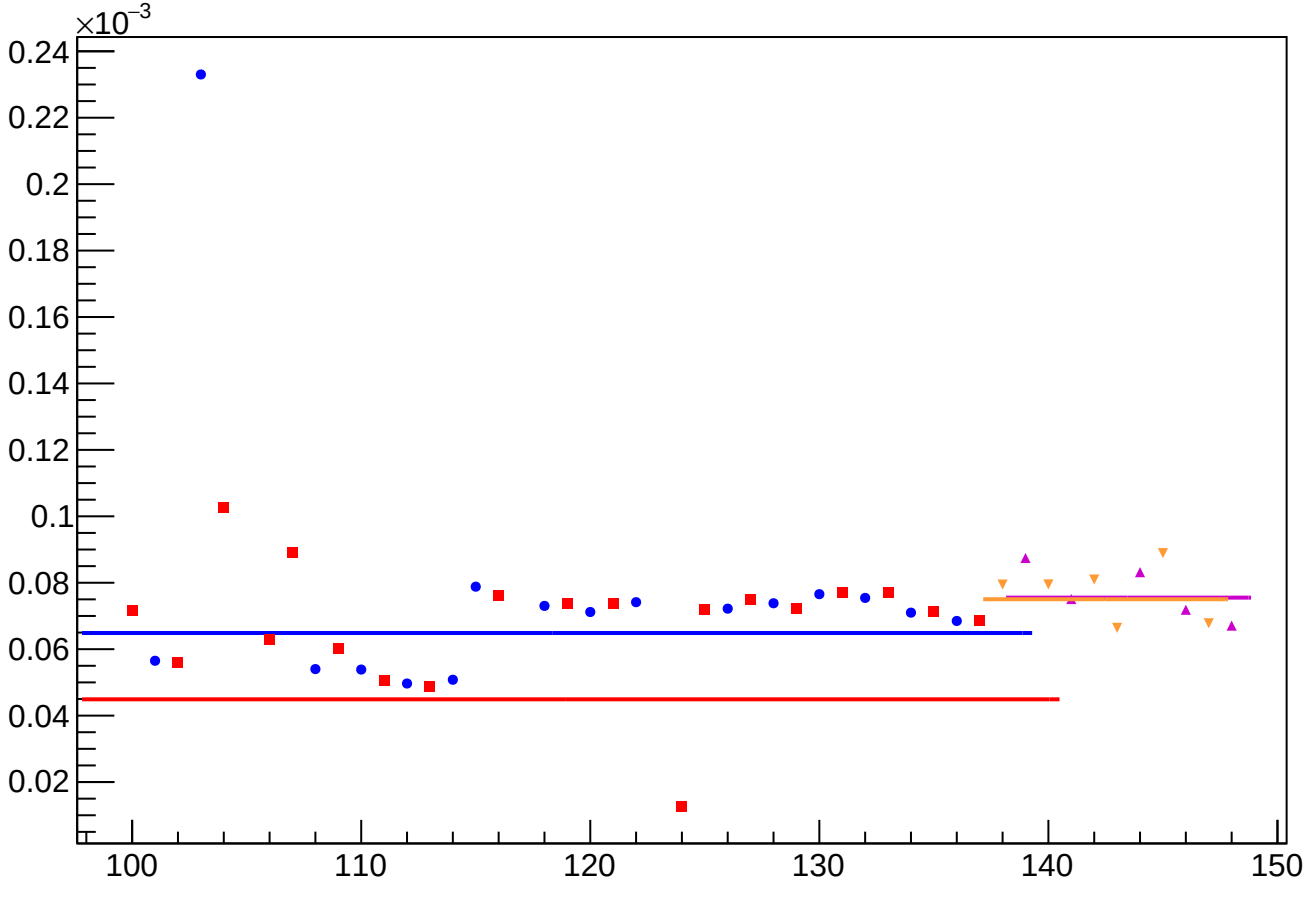
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.021+/-0.000 χ^2/NDF:74203785098.2/20

Out: 0.014+/-0.000 χ^2/NDF:340711958295.3/24

All: 0.017+/-0.000 χ^2/NDF: 486281502538.0

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:97214.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:75303.5/4

Left: 0.000+/-0.000 χ^2/NDF: 172694.7/10

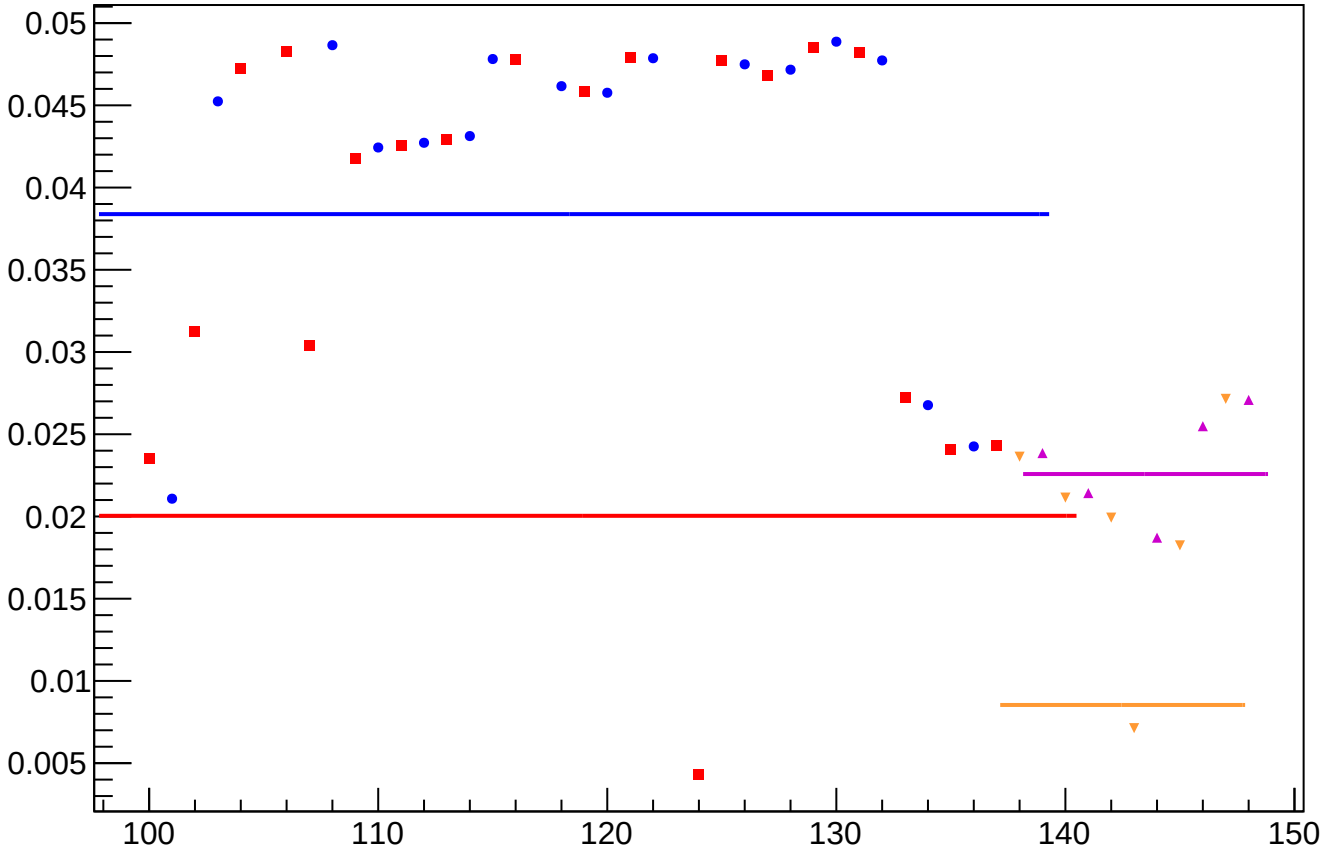
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1005184.8/20

Out: 0.000+/-0.000 χ^2/NDF:4929693.1/24

All: 0.000+/-0.000 χ^2/NDF: 6659116.4/45

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:9486581108.6/5

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.023+/-0.000 χ^2/NDF:539772247.3/4

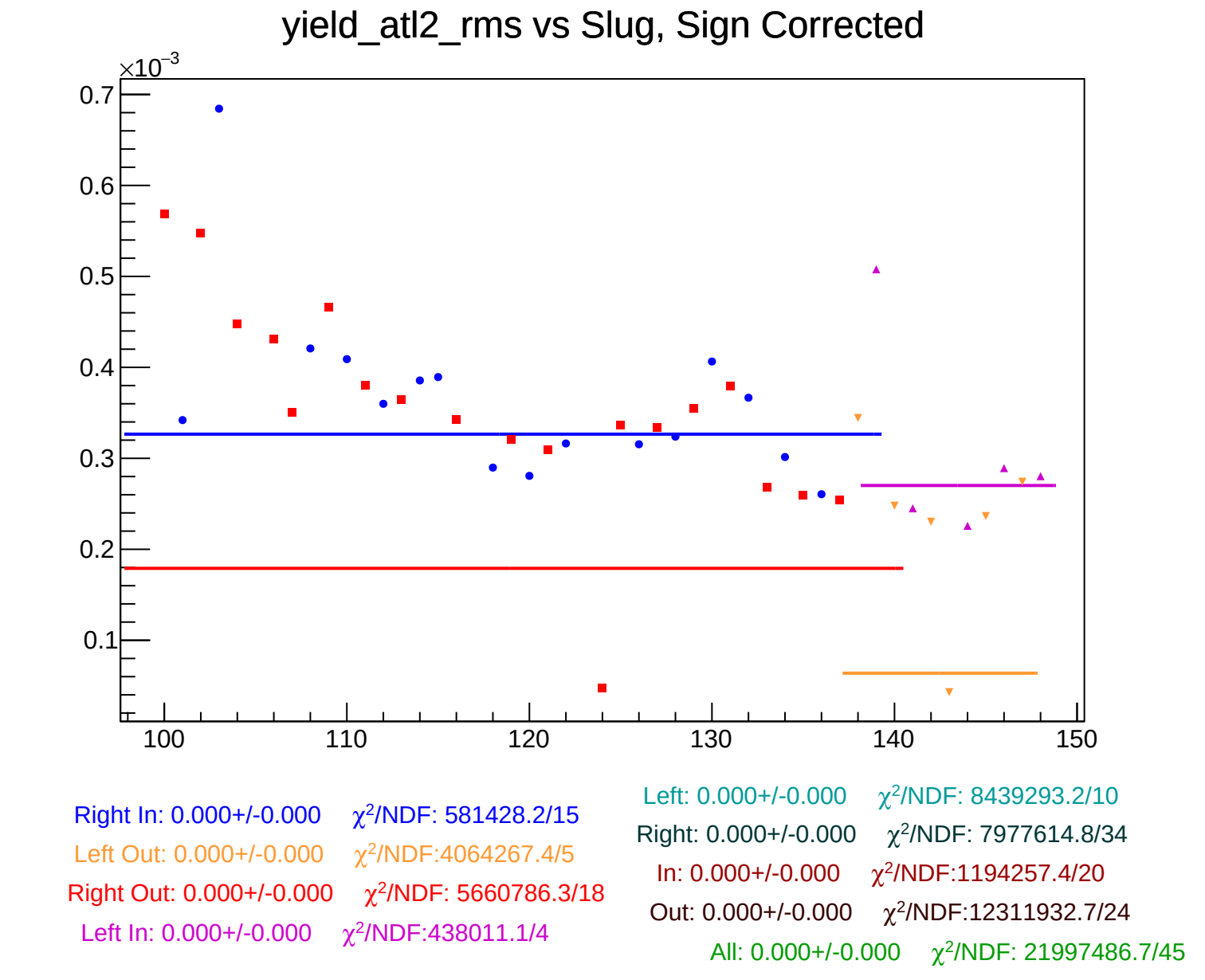
Left: 0.010+/-0.000 χ^2/NDF: 19144051580.7/10

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

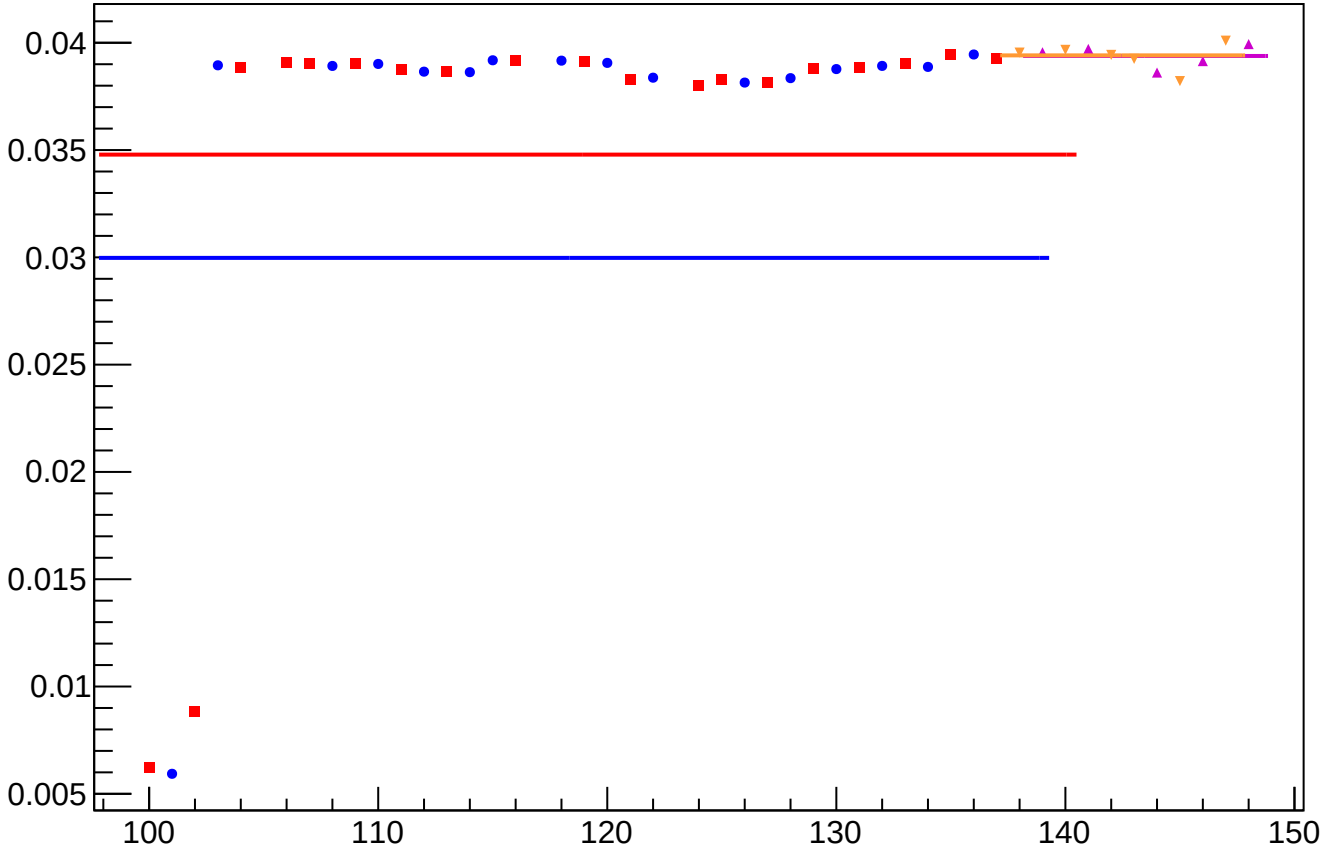
In: 0.031+/-0.000 χ^2/NDF:14472192271.7/20

Out: 0.011+/-0.000 χ^2/NDF:64554926811.2/24

All: 0.014+/-0.000 χ^2/NDF: 117085023637.9


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4064267.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:438011.1/4
Left: 0.000+/-0.000 χ²/NDF: 8439293.2/10
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:1194257.4/20
Out: 0.000+/-0.000 χ²/NDF:12311932.7/24
All: 0.000+/-0.000 χ²/NDF: 21997486.7/45

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:75220189.7/5

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:47241973.6/4

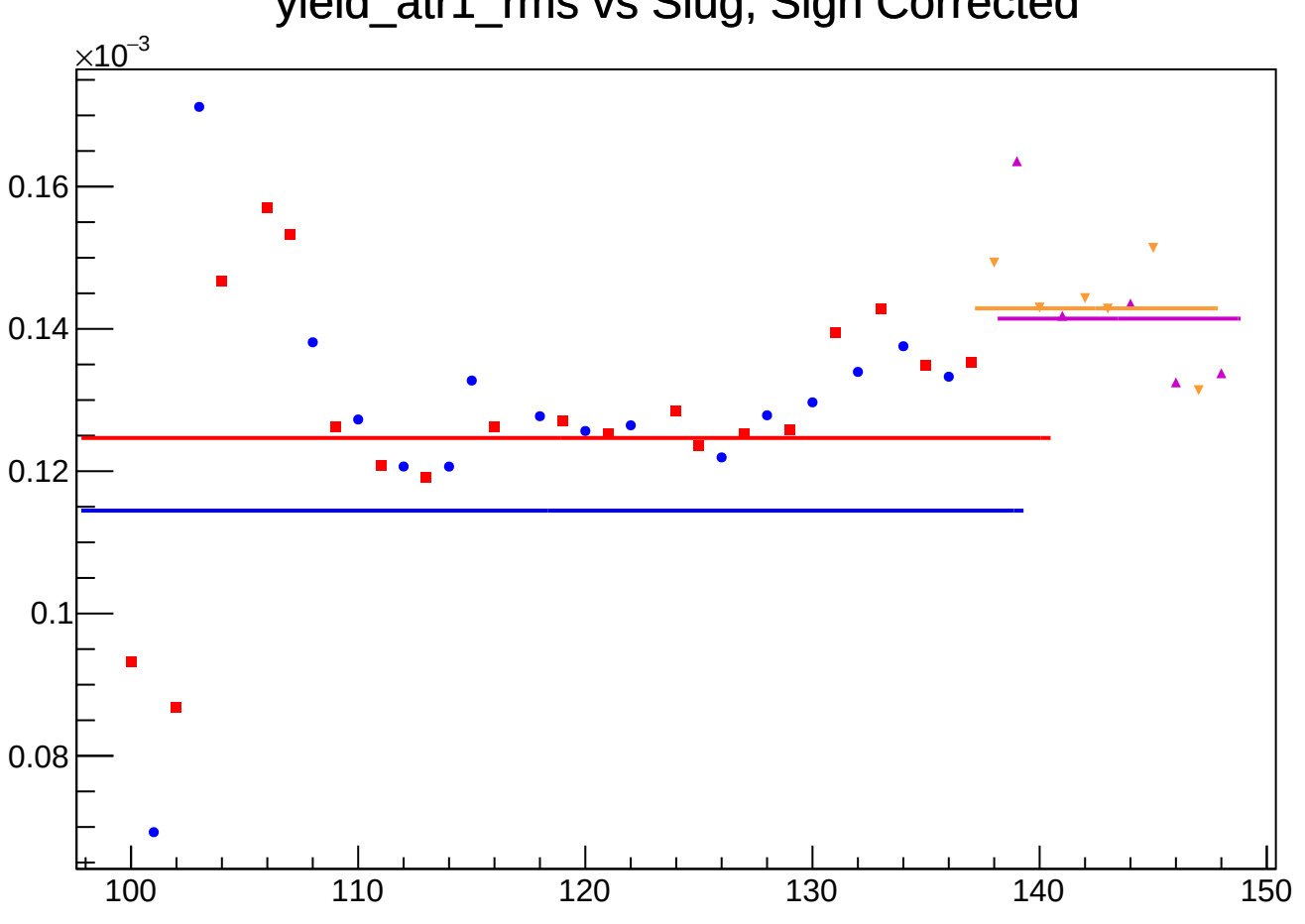
Left: 0.039+/-0.000 χ^2/NDF: 122541669.5/10

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.033+/-0.000 χ^2/NDF:121428270700.8/20

Out: 0.036+/-0.000 χ^2/NDF:50401774561.3/24

All: 0.034+/-0.000 χ^2/NDF: 176154838829.5



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20234.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:43813.5/4

Left: 0.000+/-0.000 χ^2/NDF: 64483.8/10

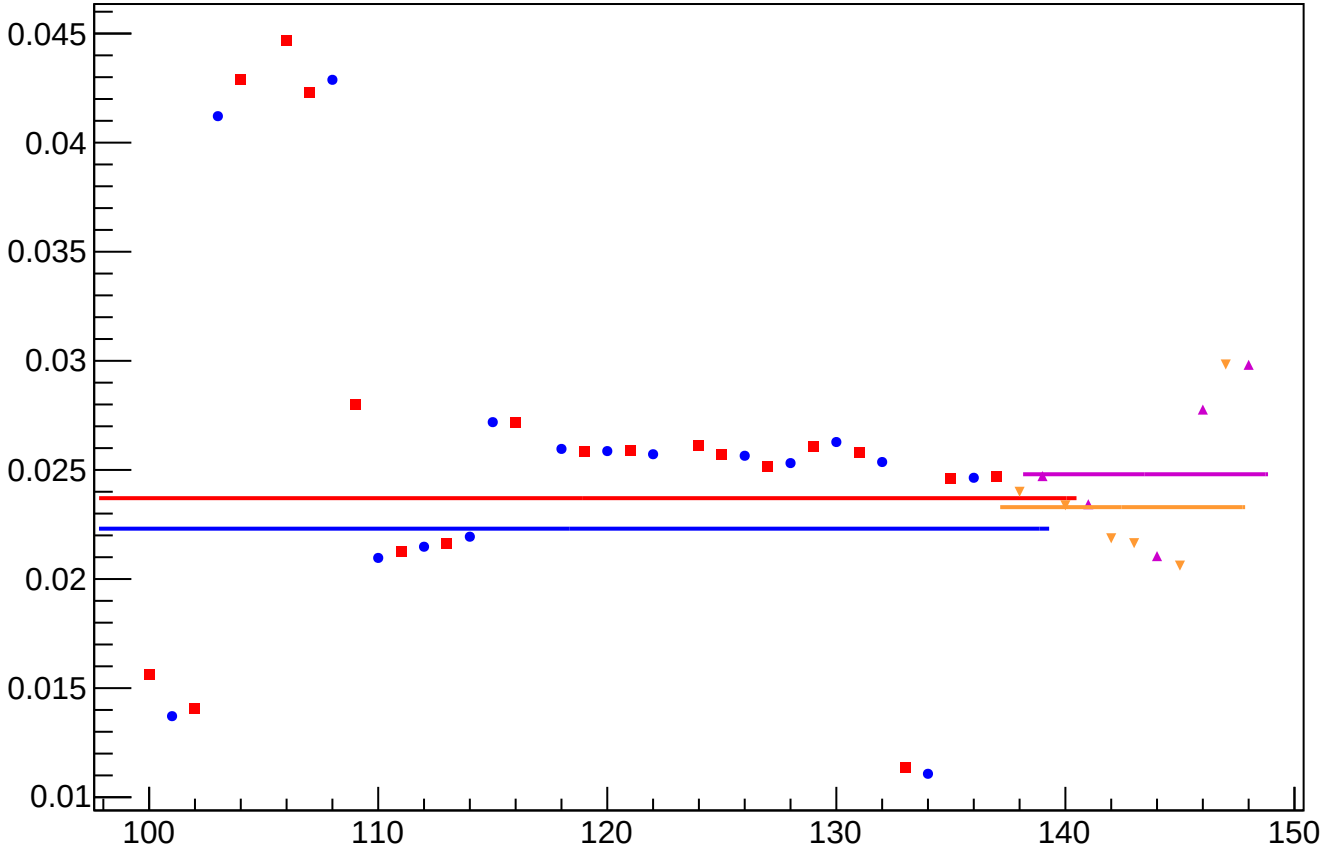
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1112520.1/20

Out: 0.000+/-0.000 χ^2/NDF:375637.1/24

All: 0.000+/-0.000 χ^2/NDF: 1534116.7/45

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:581271589.9/5

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.025+/-0.000 χ^2/NDF:622319251.3/4

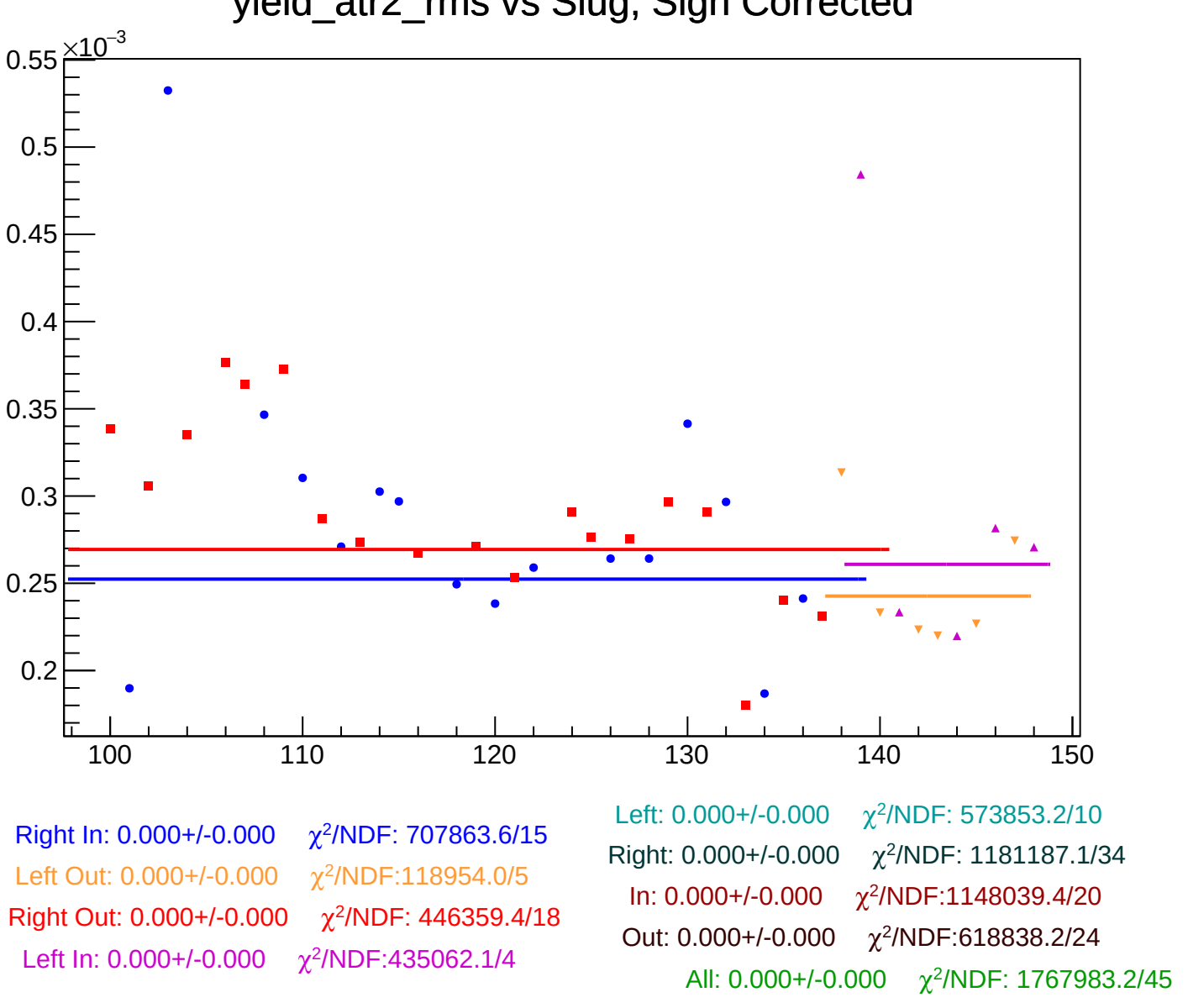
Left: 0.024+/-0.000 χ^2/NDF: 1271577988.5/10

Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

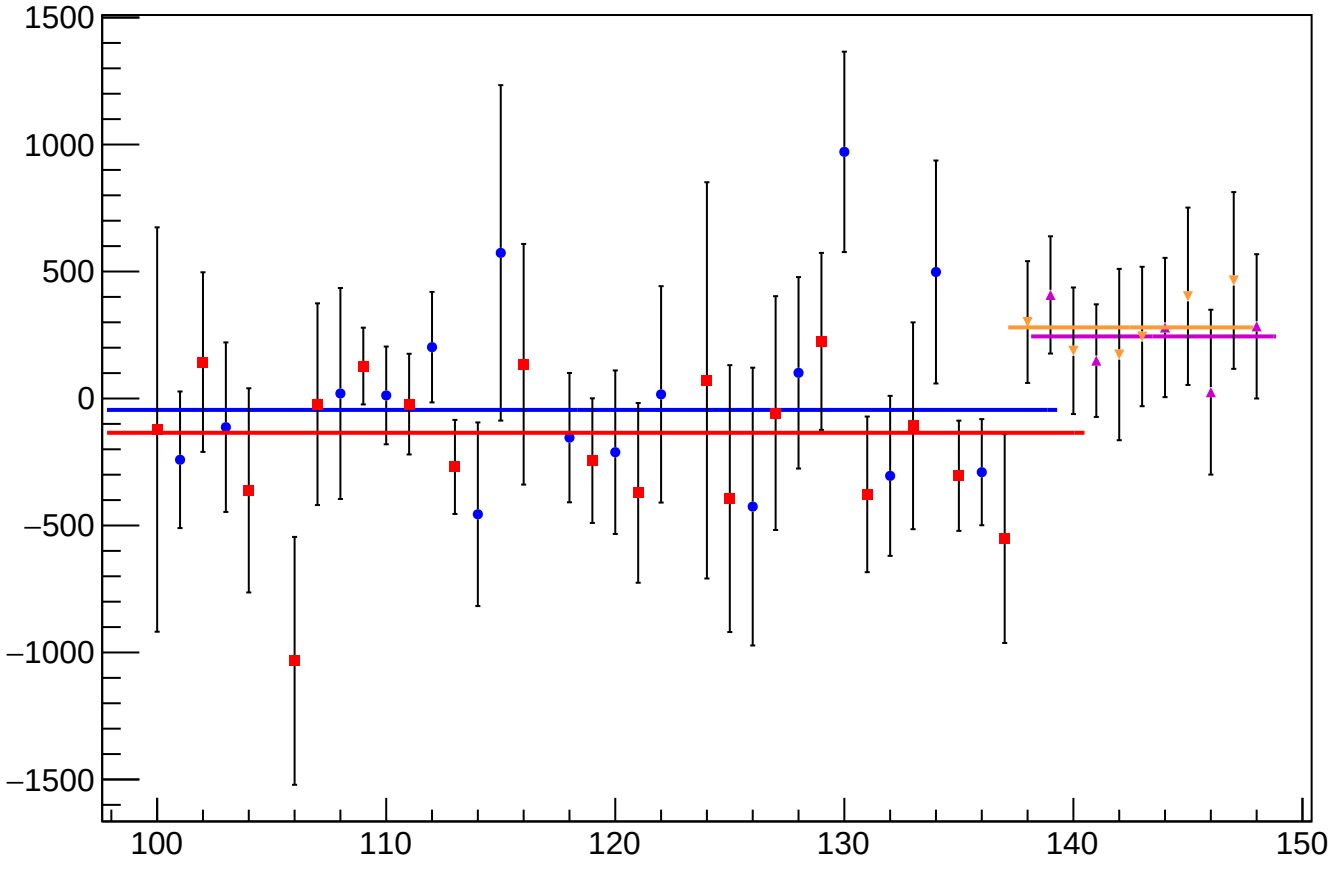
In: 0.023+/-0.000 χ^2/NDF:5855574093.0/20

Out: 0.024+/-0.000 χ^2/NDF:6169486077.9/24

All: 0.023+/-0.000 χ^2/NDF: 12033085445.8/4


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:118954.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:435062.1/4
Left: 0.000+/-0.000 χ²/NDF: 573853.2/10
Right: 0.000+/-0.000 χ²/NDF: 1181187.1/34
In: 0.000+/-0.000 χ²/NDF:1148039.4/20
Out: 0.000+/-0.000 χ²/NDF:618838.2/24
All: 0.000+/-0.000 χ²/NDF: 1767983.2/45

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 279.976+/-117.826 χ^2/NDF:0.7/5

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 244.472+/-116.010 χ^2/NDF:1.2/4

Left: 261.948+/-82.666 χ^2/NDF: 1.9/10

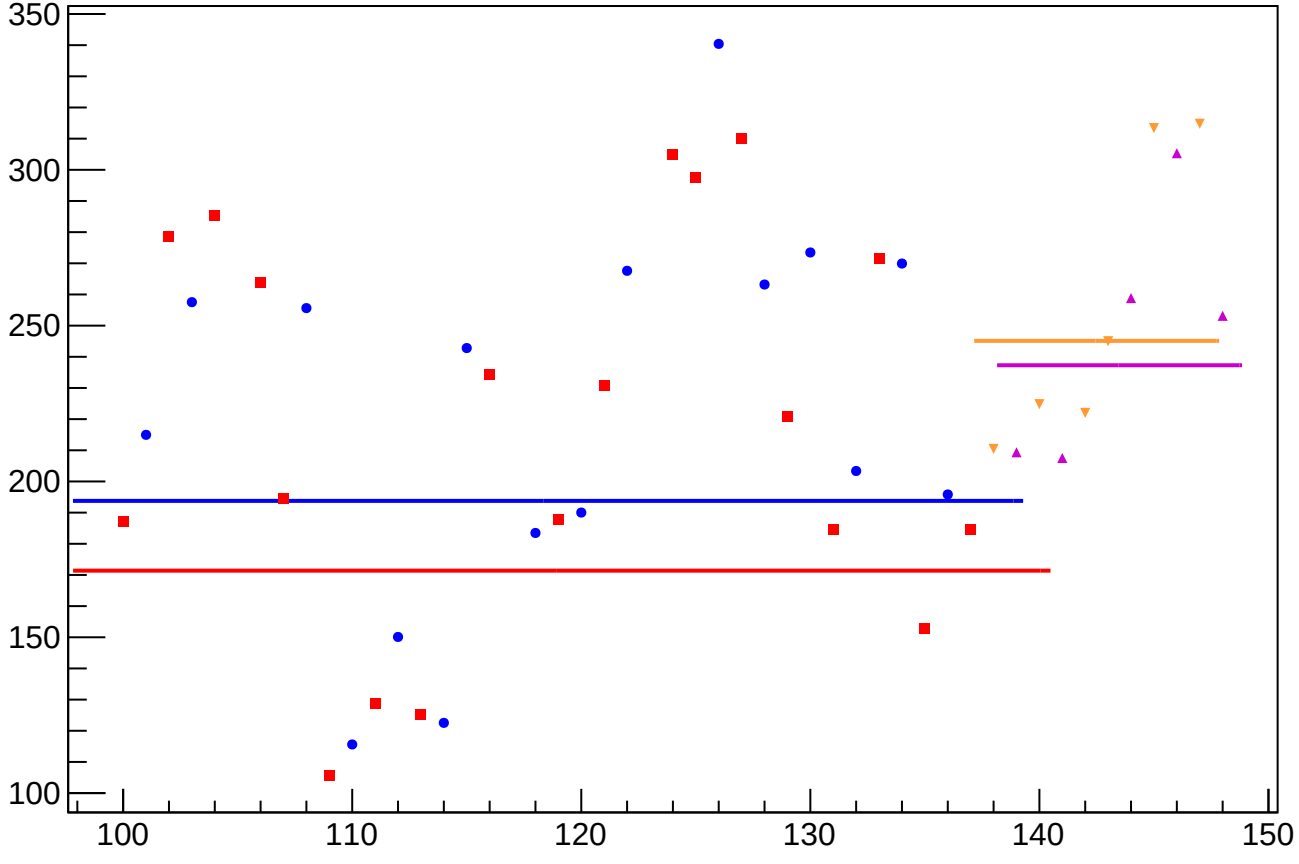
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 42.303+/-63.688 χ^2/NDF:21.0/20

Out: -31.173+/-58.936 χ^2/NDF:22.9/24

All: 2.722+/-43.257 χ^2/NDF: 44.6/45

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: 245.118+/-0.083 χ^2/NDF:221117.8/5

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

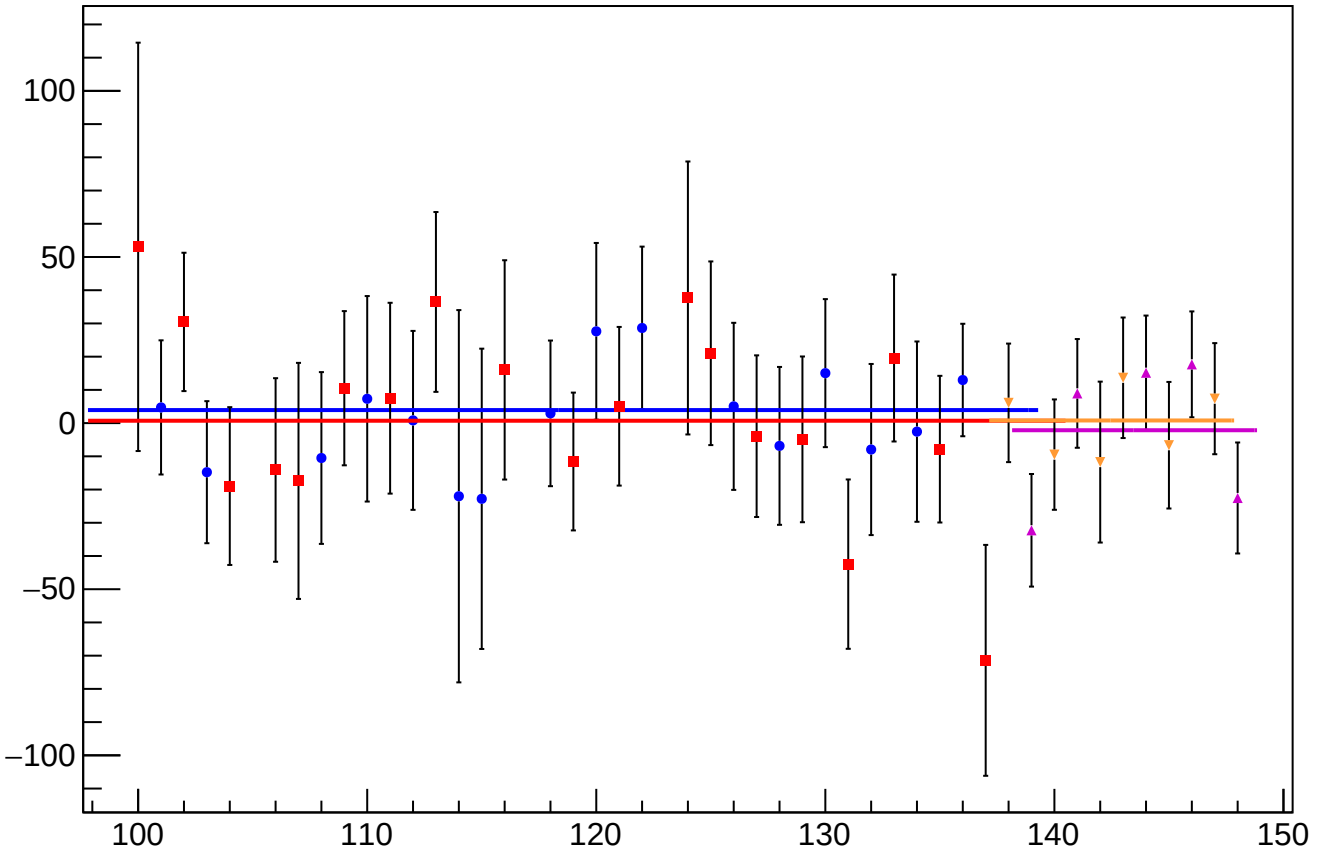
Left: 241.143+/-0.058 χ^2/NDF: 397387.9/10

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 206.885+/-0.045 χ^2/NDF:1416541.2/20

Out: 189.830+/-0.042 χ^2/NDF:2466489.0/24

All: 197.698+/-0.031 χ^2/NDF: 3960292.2/45



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.796+/-7.487 χ^2/NDF:1.5/5

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -2.145+/-7.429 χ^2/NDF:7.7/4

Left: -0.686+/-5.273 χ^2/NDF: 9.3/10

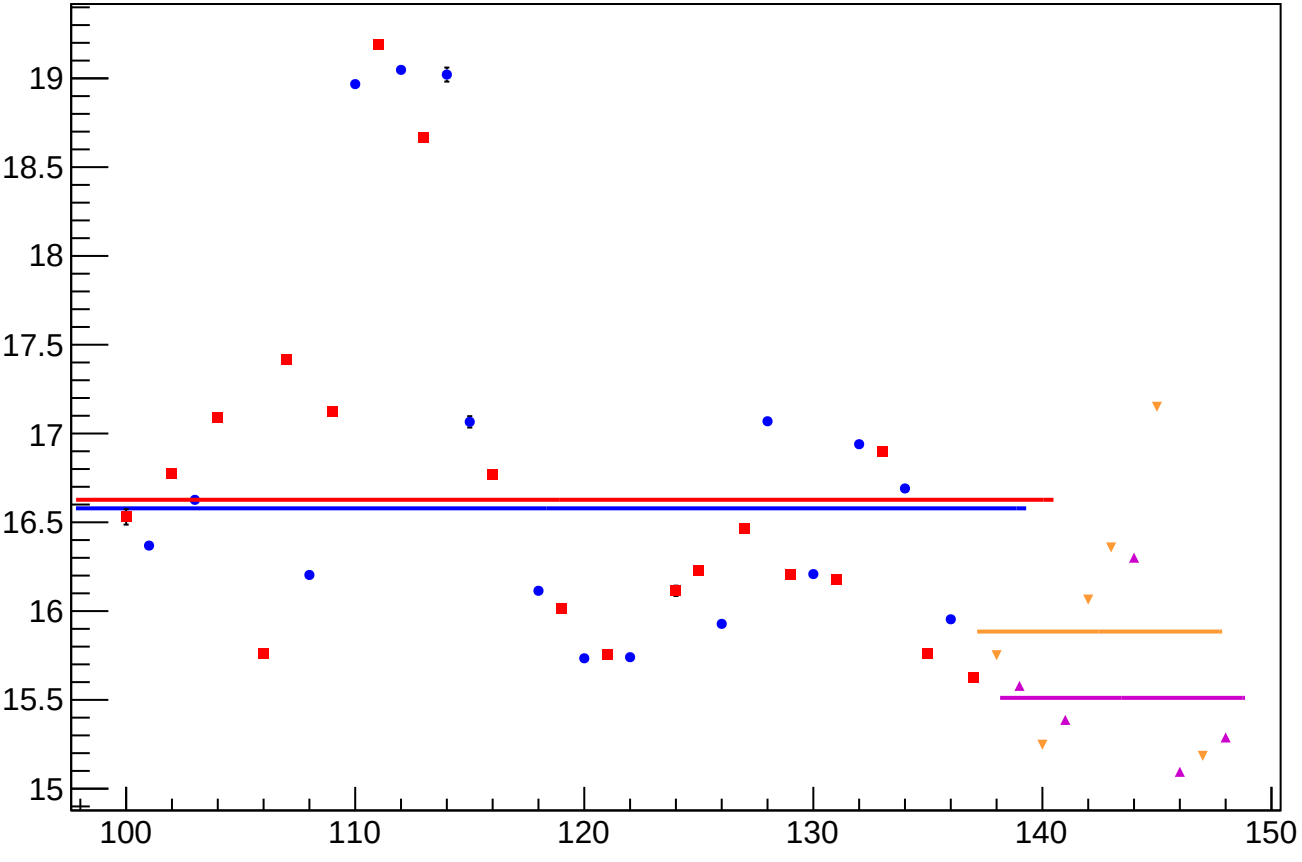
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.445+/-4.747 χ^2/NDF:12.6/20

Out: 0.746+/-4.718 χ^2/NDF:17.5/24

All: 1.094+/-3.346 χ^2/NDF: 30.0/45

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: 15.885+/-0.005 χ^2/NDF:16862.6/5

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.511+/-0.005 χ^2/NDF:6078.3/4

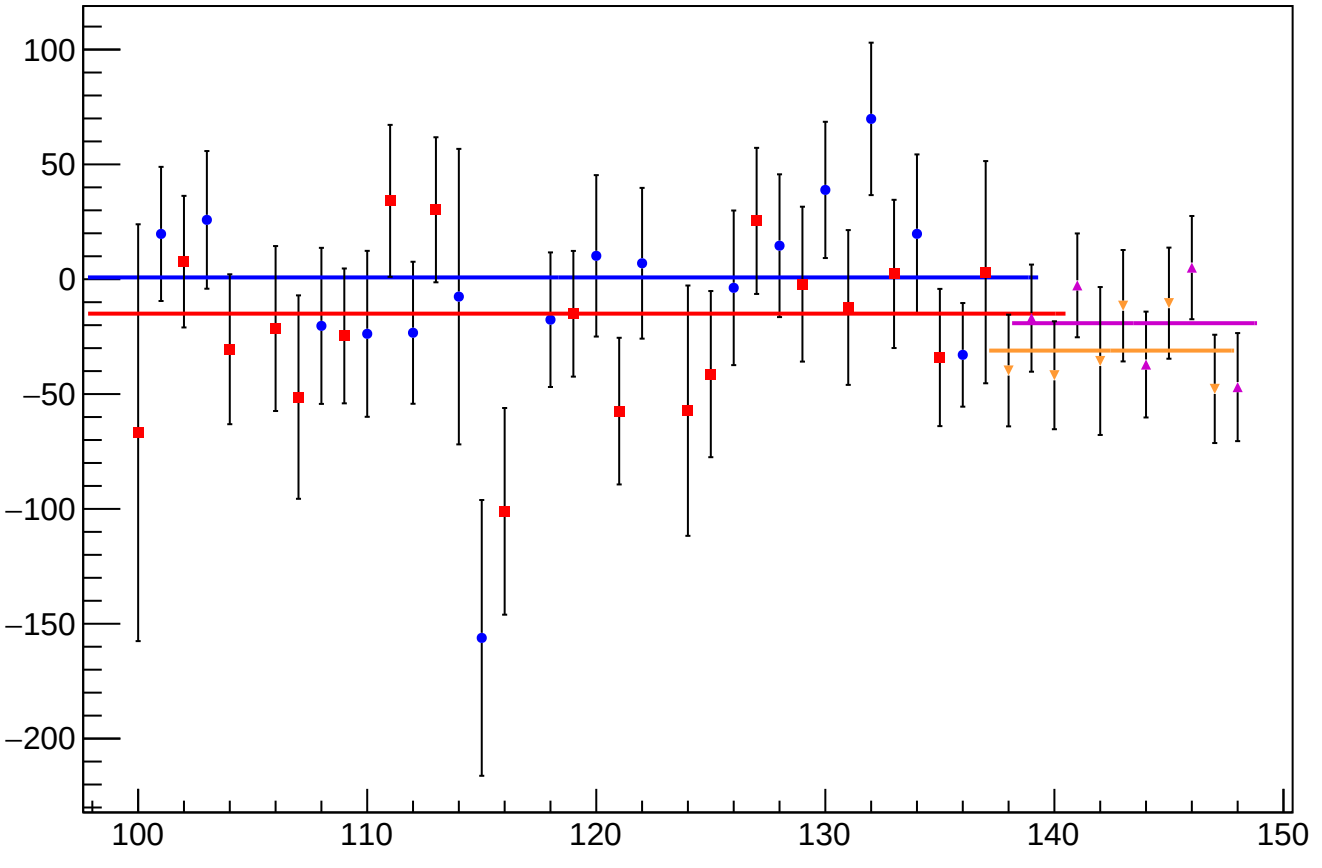
Left: 15.697+/-0.004 χ^2/NDF: 25447.5/10

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.143+/-0.003 χ^2/NDF:75072.0/20

Out: 16.332+/-0.003 χ^2/NDF:72170.9/24

All: 16.238+/-0.002 χ^2/NDF: 148842.7/45



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -31.068+/-10.167 χ^2/NDF:2.2/5

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -19.142+/-10.278 χ^2/NDF:3.7/4

Left: -25.169+/-7.228 χ^2/NDF: 6.6/10

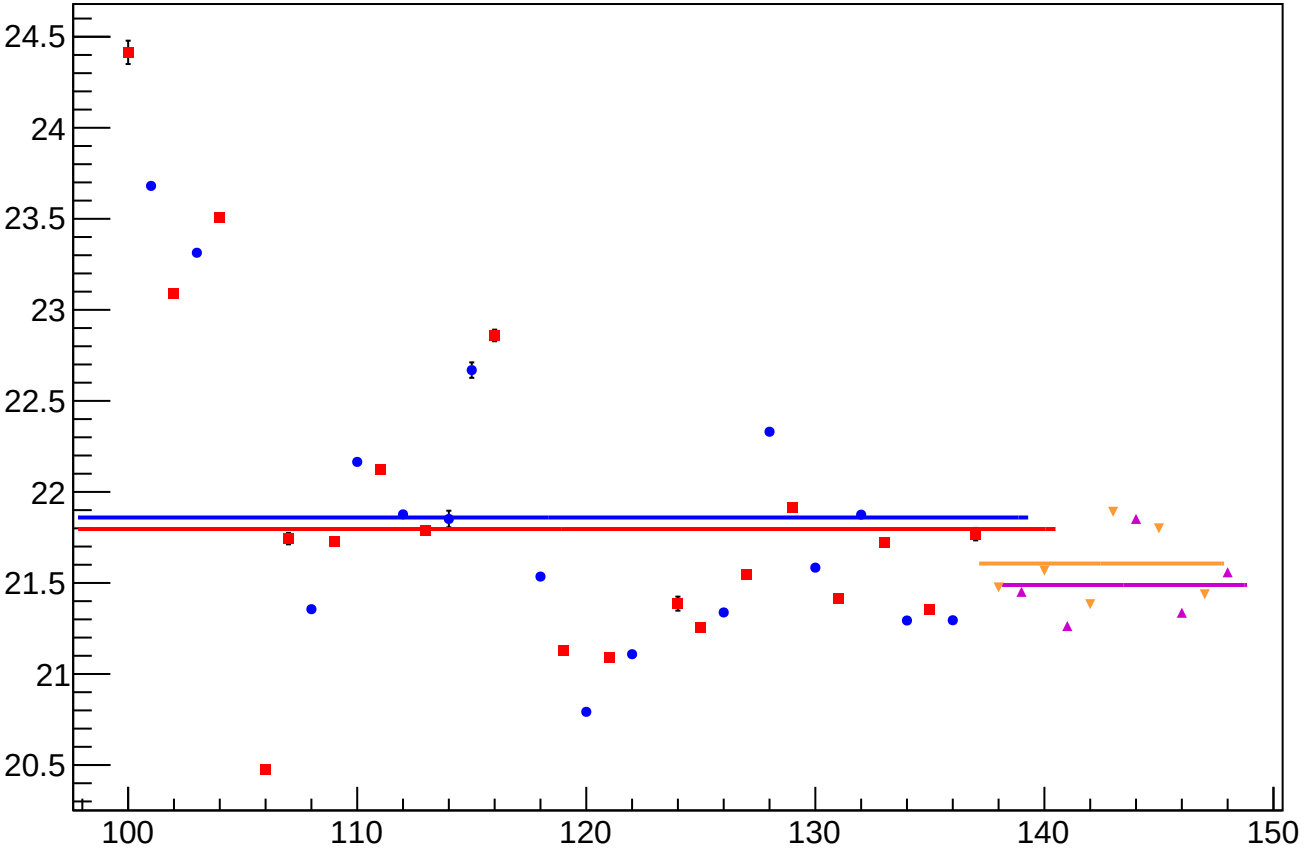
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -6.876+/-6.374 χ^2/NDF:24.7/20

Out: -21.088+/-6.264 χ^2/NDF:19.2/24

All: -14.105+/-4.468 χ^2/NDF: 46.4/45

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: 21.607+/-0.007 χ^2/NDF:664.9/5

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.489+/-0.007 χ^2/NDF:810.3/4

Left: 21.548+/-0.005 χ^2/NDF: 1608.2/10

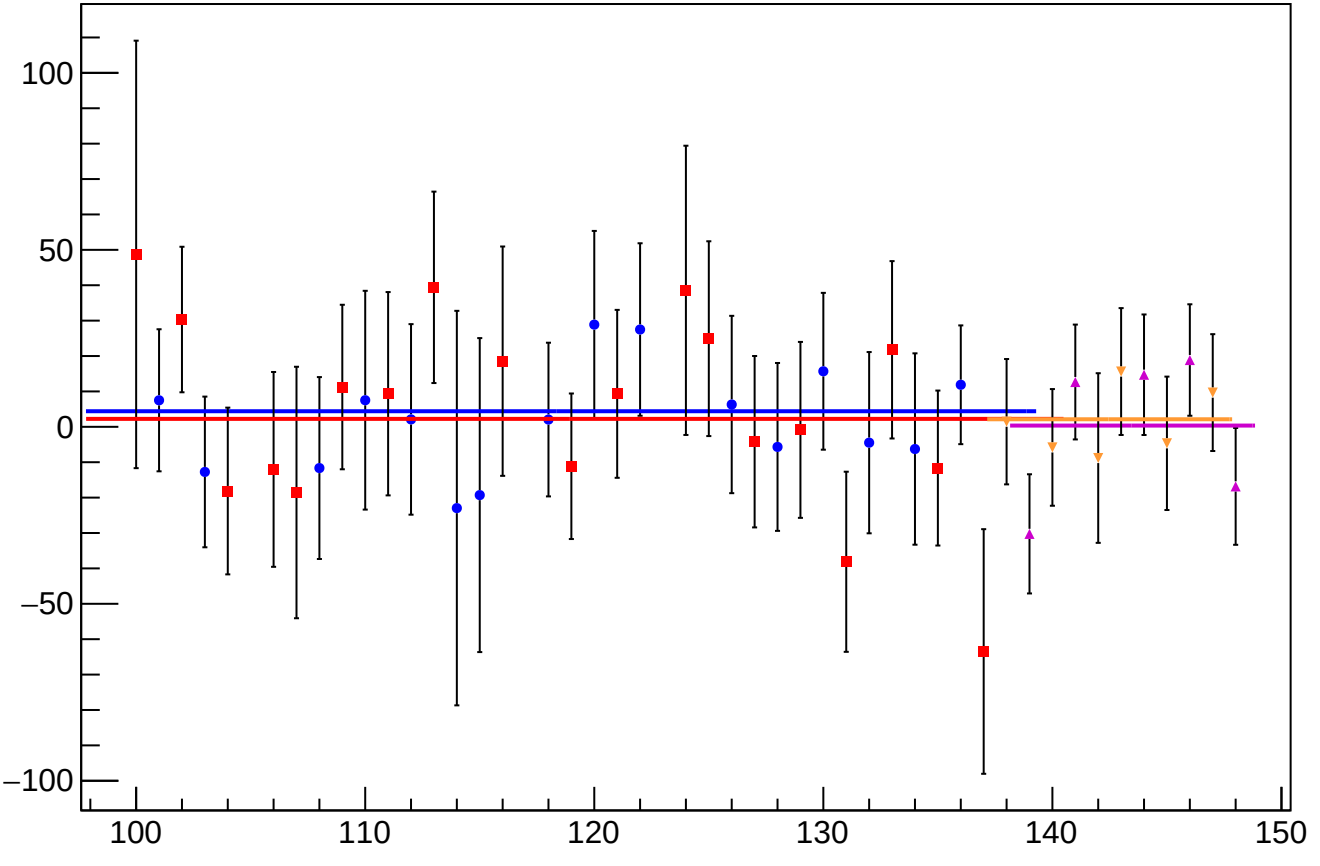
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.717+/-0.005 χ^2/NDF:21880.4/20

Out: 21.724+/-0.004 χ^2/NDF:19957.4/24

All: 21.721+/-0.003 χ^2/NDF: 41839.2/45

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.133+/-7.410 χ^2/NDF:1.3/5

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.353+/-7.356 χ^2/NDF:7.1/4

Left: 1.236+/-5.221 χ^2/NDF: 8.4/10

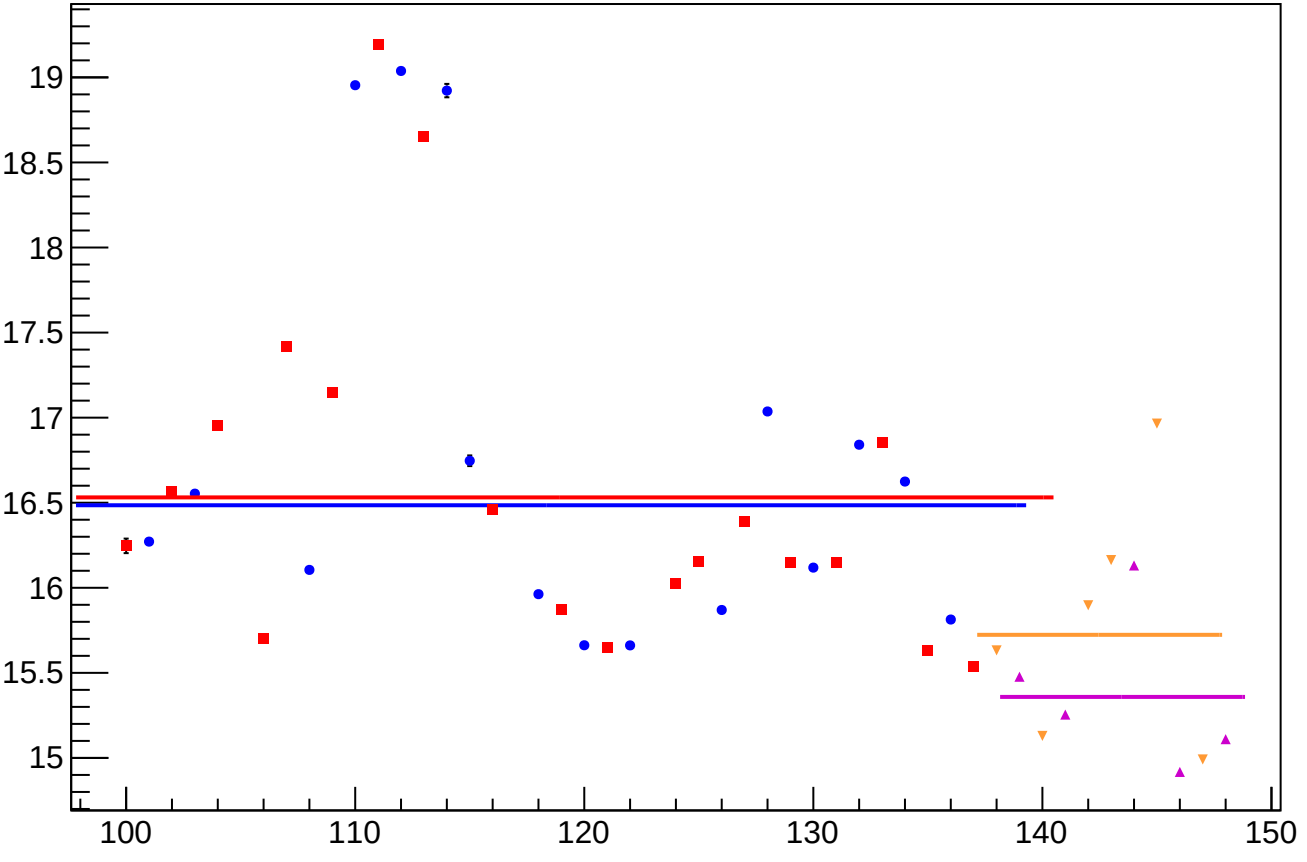
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.742+/-4.712 χ^2/NDF:11.5/20

Out: 2.199+/-4.683 χ^2/NDF:16.7/24

All: 2.469+/-3.322 χ^2/NDF: 28.3/45

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: 15.724+/-0.005 χ^2/NDF:16579.3/5

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.359+/-0.005 χ^2/NDF:6318.8/4

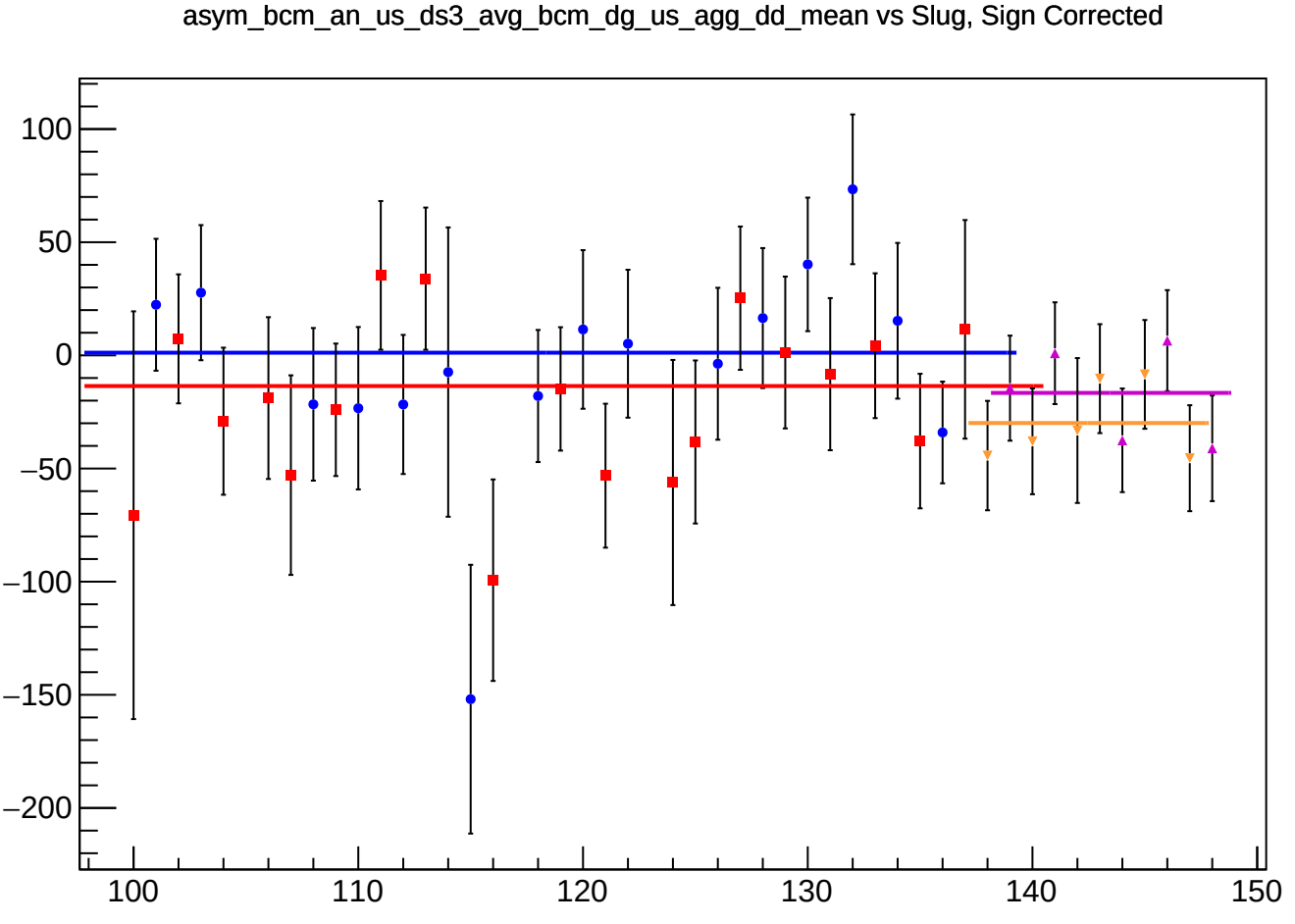
Left: 15.540+/-0.004 χ^2/NDF: 25341.0/10

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

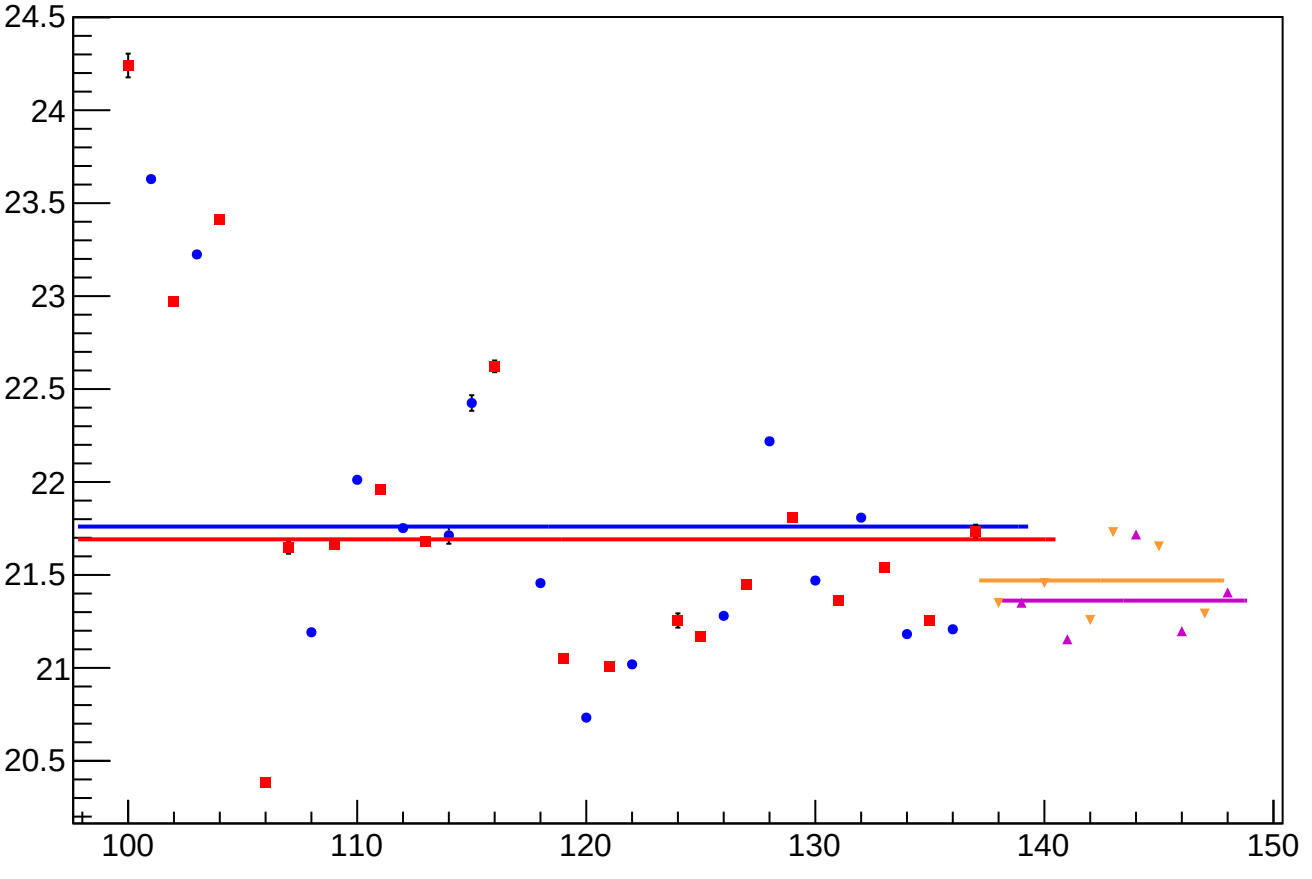
In: 16.023+/-0.003 χ^2/NDF:81157.5/20

Out: 16.209+/-0.003 χ^2/NDF:77327.3/24

All: 16.116+/-0.002 χ^2/NDF: 160050.6/45


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -29.889+/-10.102 χ²/NDF:2.4/5
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -16.580+/-10.217 χ²/NDF:3.6/4
Left: -23.309+/-7.184 χ²/NDF: 6.9/10
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -5.659+/-6.341 χ²/NDF:24.9/20
Out: -19.764+/-6.231 χ²/NDF:19.9/24
All: -12.836+/-4.444 χ²/NDF: 47.3/45

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: 21.470+/-0.007 χ^2/NDF:604.3/5

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.362+/-0.007 χ^2/NDF:769.9/4

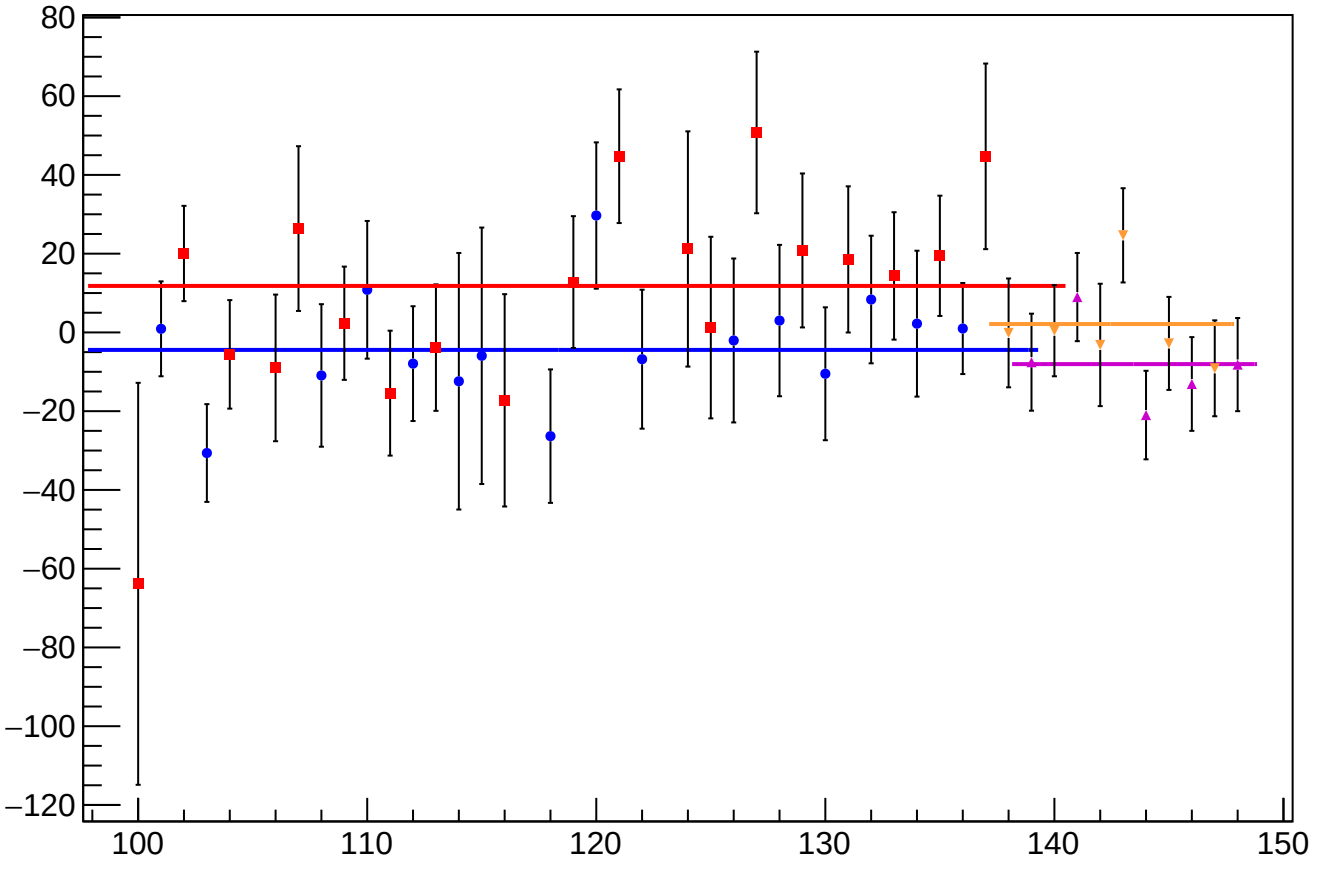
Left: 21.417+/-0.005 χ^2/NDF: 1487.9/10

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.607+/-0.004 χ^2/NDF:22384.2/20

Out: 21.607+/-0.004 χ^2/NDF:19529.5/24

All: 21.607+/-0.003 χ^2/NDF: 41913.7/45



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.127+/-5.148 χ^2/NDF:4.7/5

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -8.046+/-5.221 χ^2/NDF:3.8/4

Left: -2.888+/-3.666 χ^2/NDF: 10.5/10

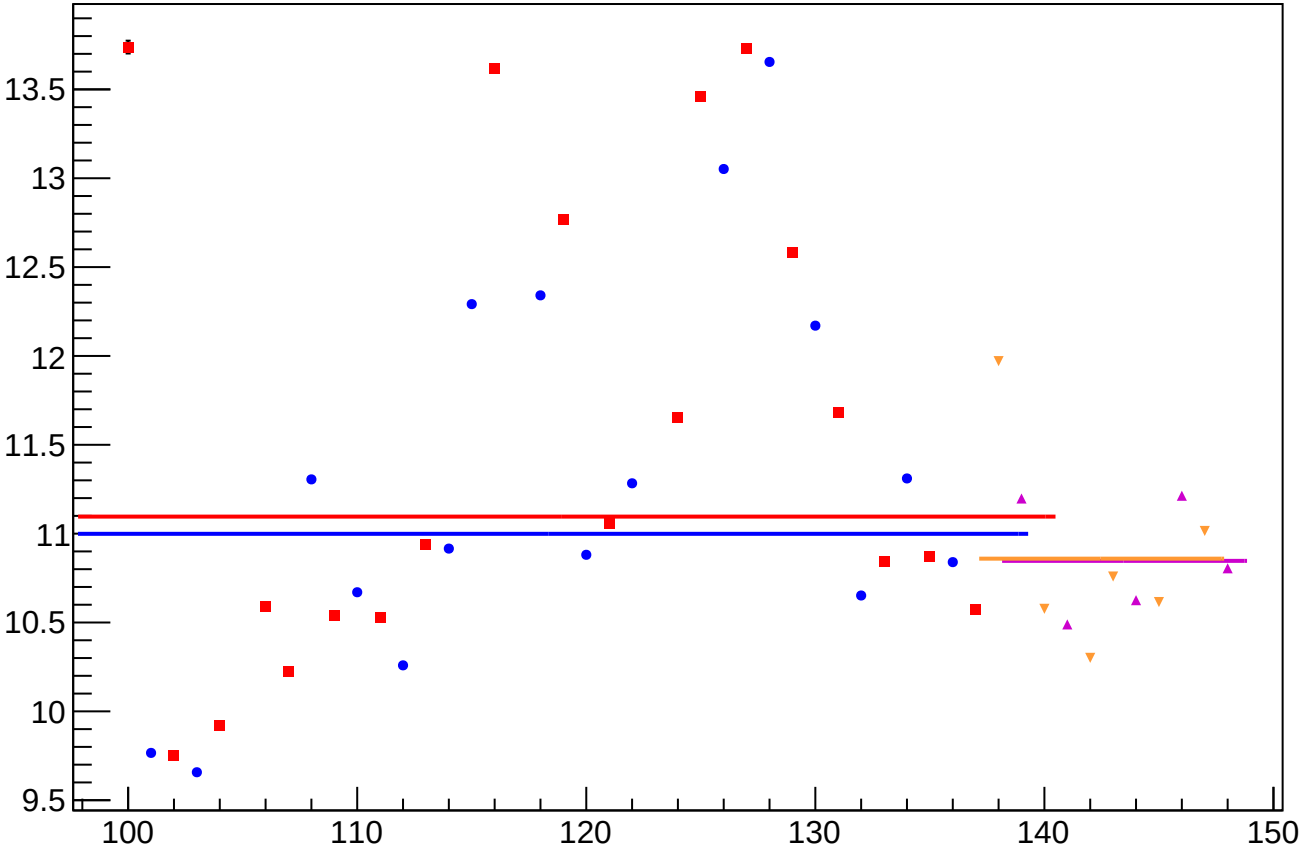
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -5.828+/-3.240 χ^2/NDF:16.1/20

Out: 8.053+/-3.206 χ^2/NDF:28.6/24

All: 1.185+/-2.279 χ^2/NDF: 54.0/45

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.859+/-0.004 χ^2/NDF:18027.8/5

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

Left: 10.853+/-0.003 χ^2/NDF: 24391.2/10

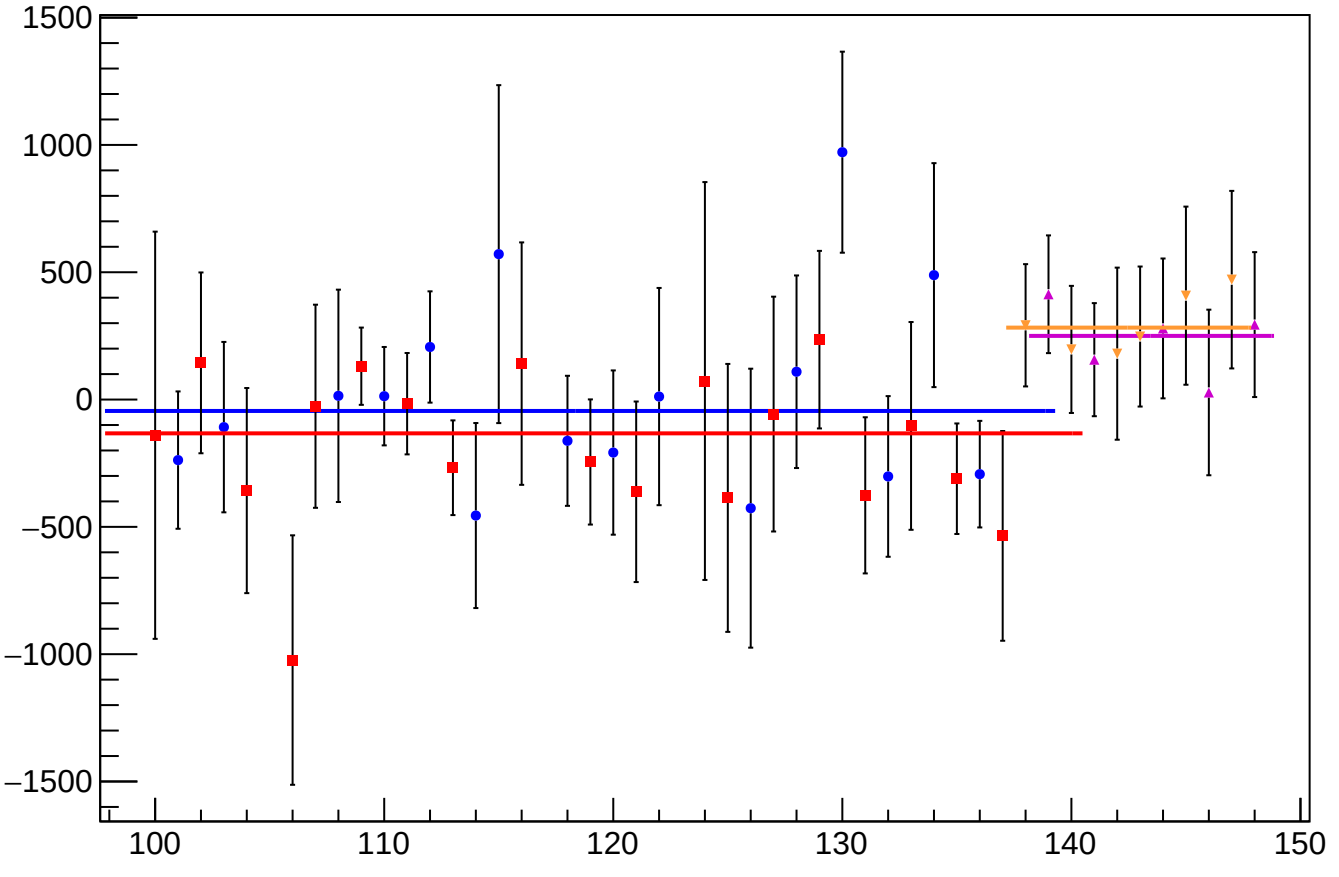
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.940+/-0.002 χ^2/NDF:143561.7/20

Out: 11.004+/-0.002 χ^2/NDF:183524.2/24

All: 10.973+/-0.002 χ^2/NDF: 327476.7/45

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 250.023+/-116.207 χ^2/NDF:1.2/4

Left: 266.016+/-82.809 χ^2/NDF: 1.9/10

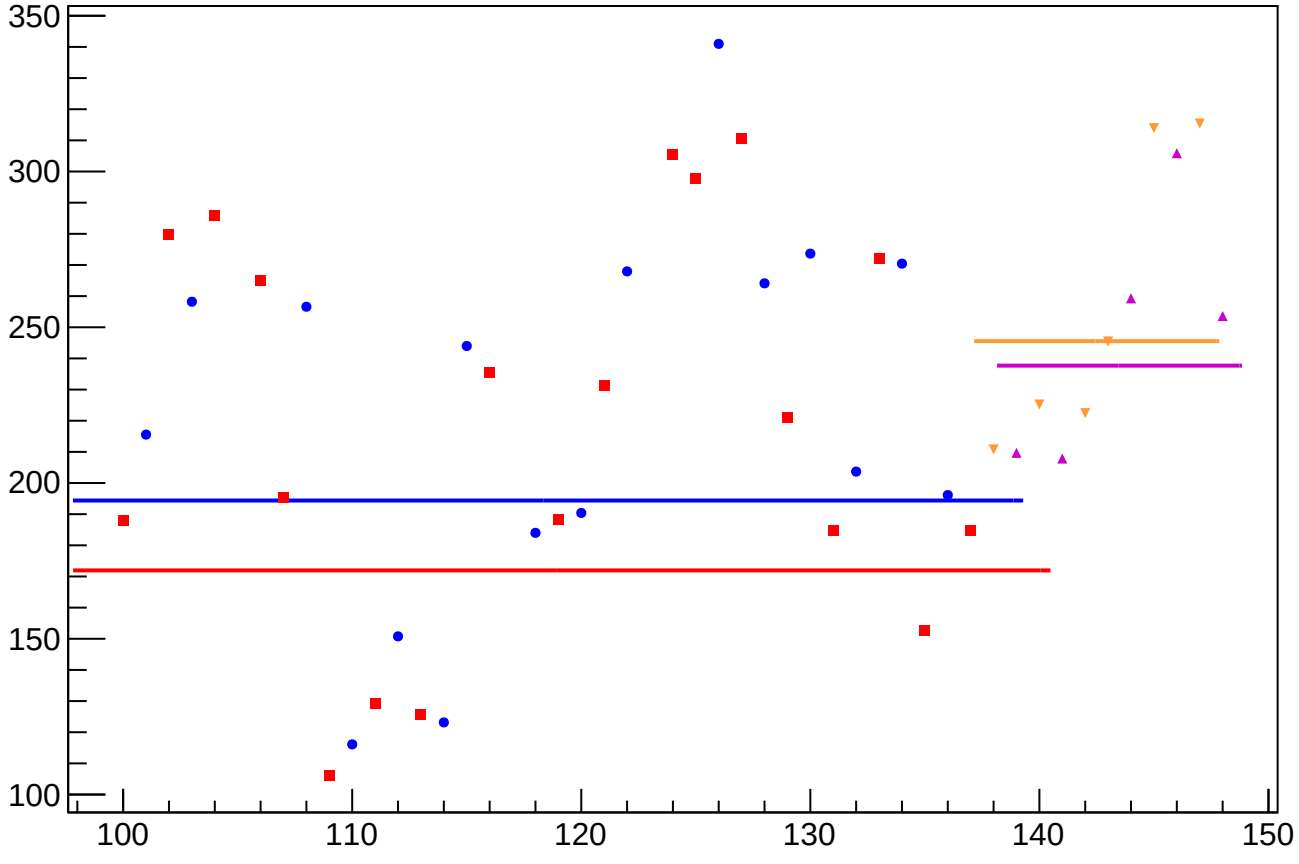
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 44.215+/-63.853 χ^2/NDF:21.1/20

Out: -28.637+/-59.096 χ^2/NDF:22.8/24

All: 4.975+/-43.372 χ^2/NDF: 44.6/45

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: 245.545+/-0.083 χ^2/NDF:221267.1/5

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

Left: 241.556+/-0.059 χ^2/NDF: 397748.7/10

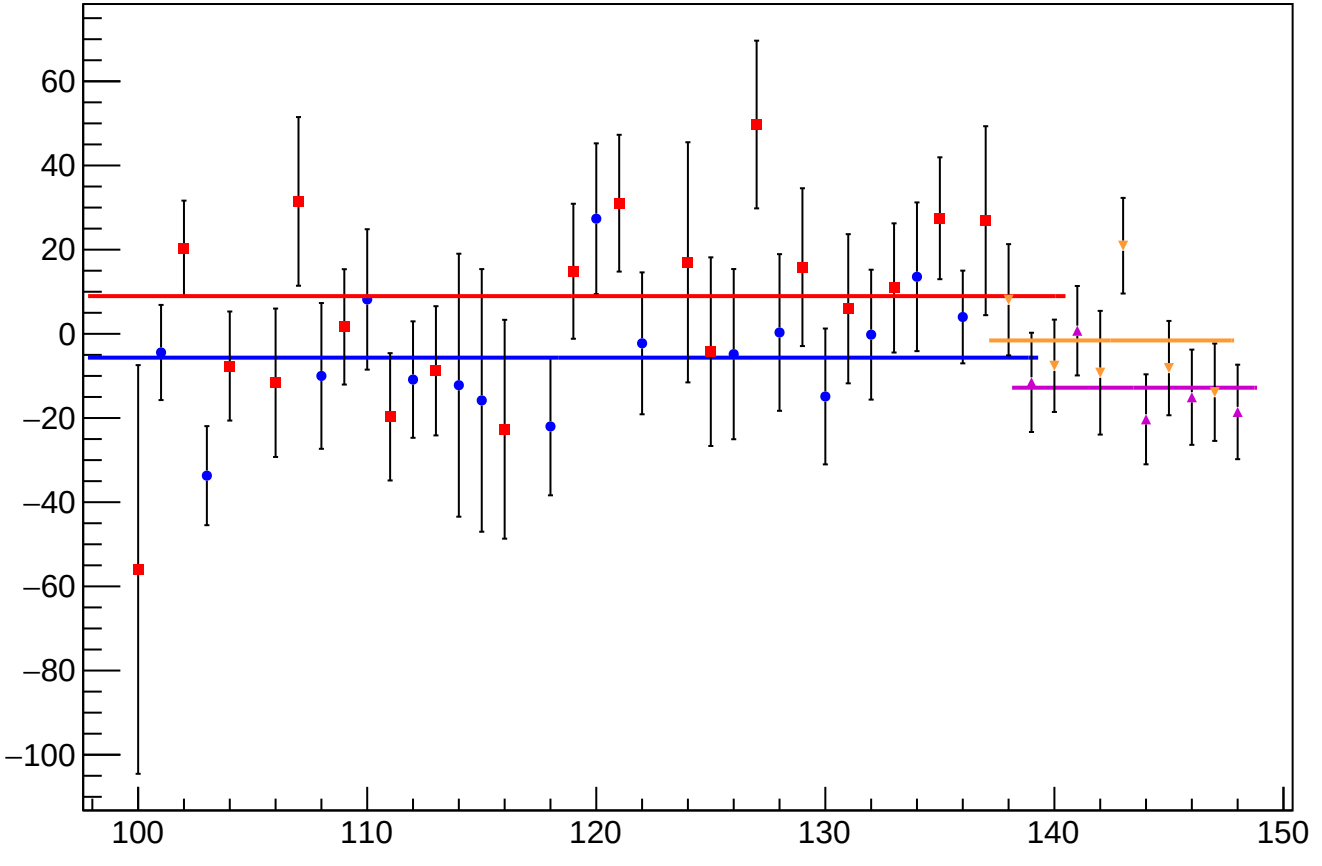
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 207.460+/-0.045 χ^2/NDF:1407885.8/20

Out: 190.398+/-0.042 χ^2/NDF:2455251.9/24

All: 198.270+/-0.031 χ^2/NDF: 3940052.0/45

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.571+/-4.888 χ^2/NDF:6.5/5

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -12.798+/-4.966 χ^2/NDF:2.4/4

Left: -7.096+/-3.484 χ^2/NDF: 11.5/10

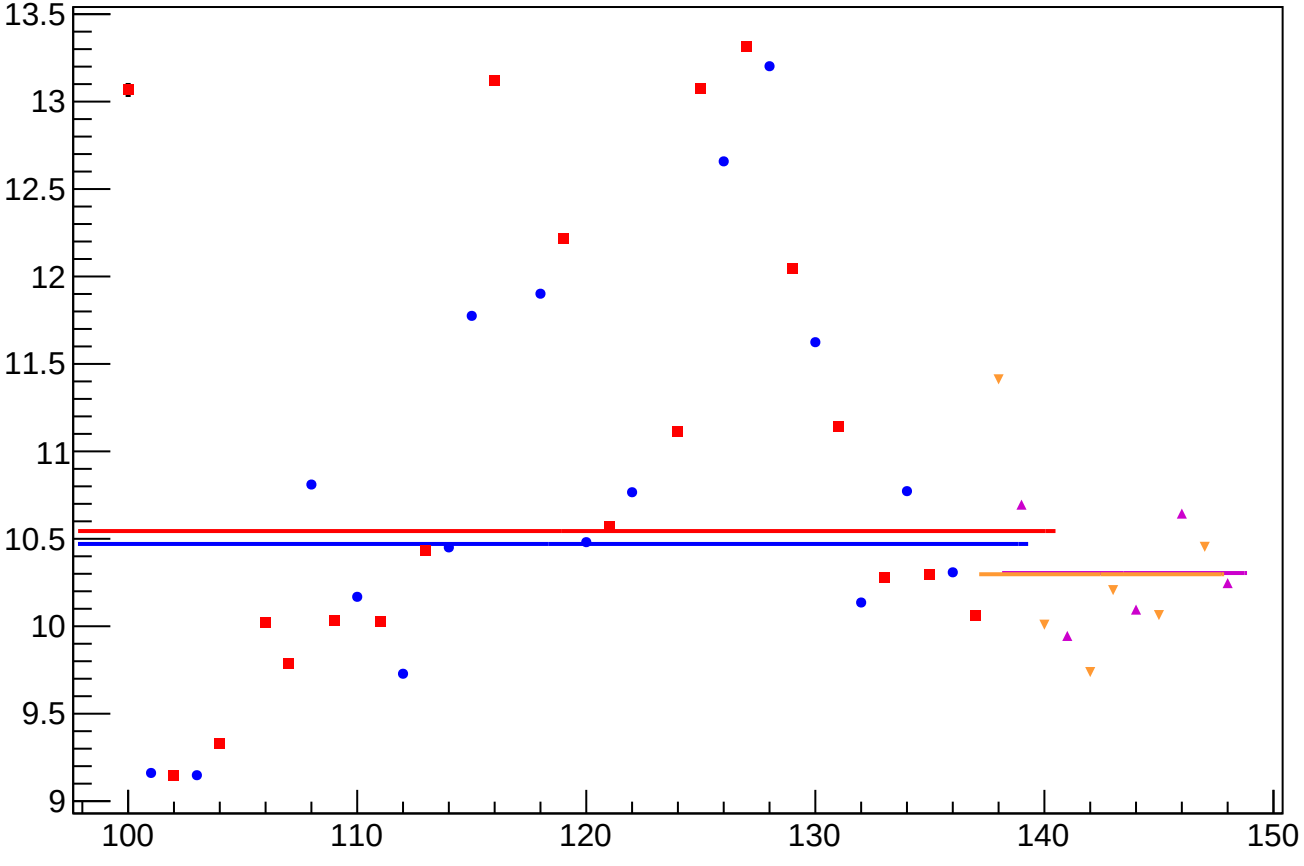
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.415+/-3.086 χ^2/NDF:17.4/20

Out: 4.863+/-3.049 χ^2/NDF:32.1/24

All: -1.696+/-2.169 χ^2/NDF: 58.9/45

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: 10.297+/-0.003 χ^2/NDF:19866.2/5

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

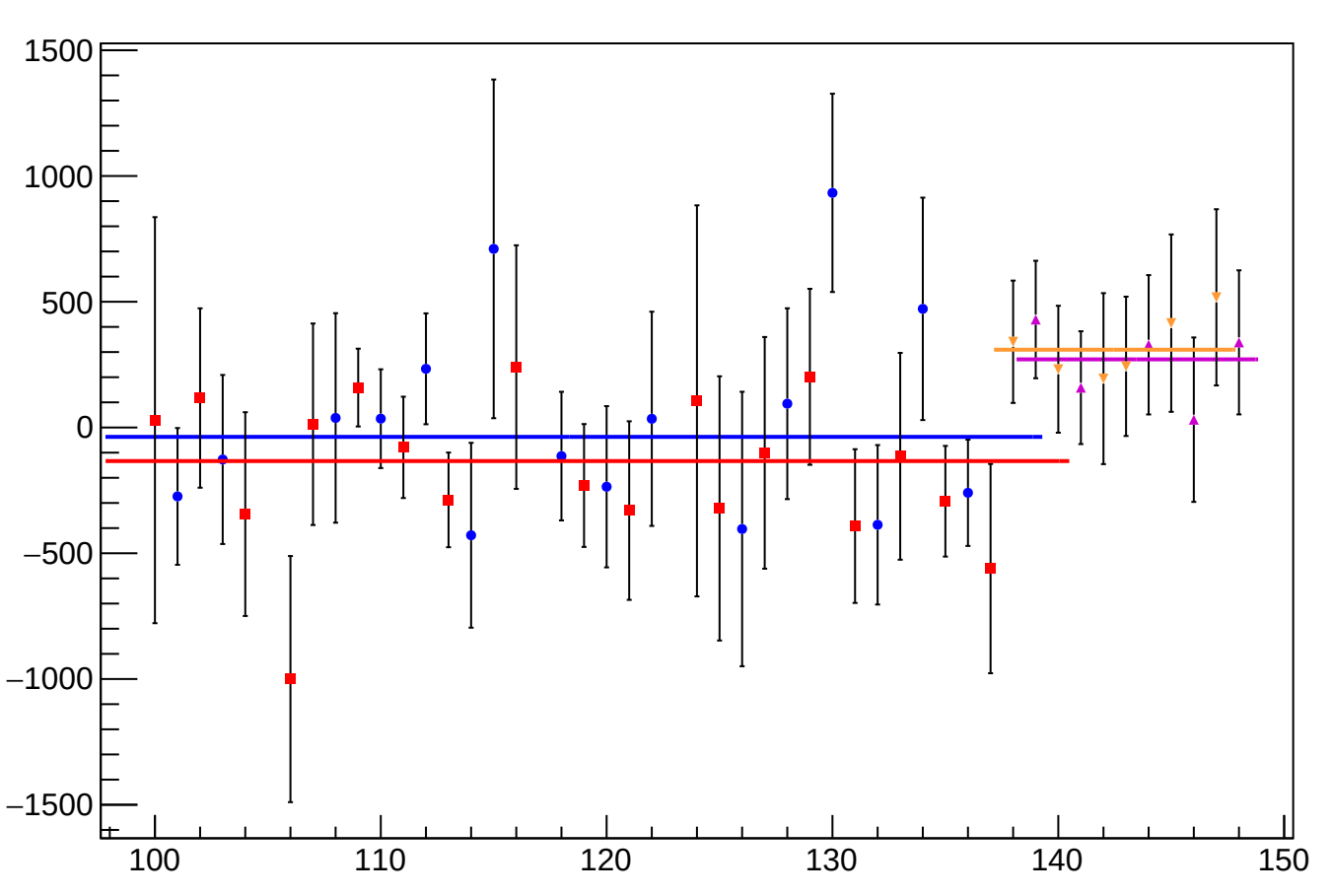
Left: 10.301+/-0.002 χ^2/NDF: 26981.6/10

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.406+/-0.002 χ^2/NDF:165855.6/20

Out: 10.448+/-0.002 χ^2/NDF:209765.2/24

All: 10.428+/-0.002 χ^2/NDF: 375807.4/45



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 309.372+/-119.104 χ^2/NDF:0.7/5

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 270.929+/-117.209 χ^2/NDF:1.3/4

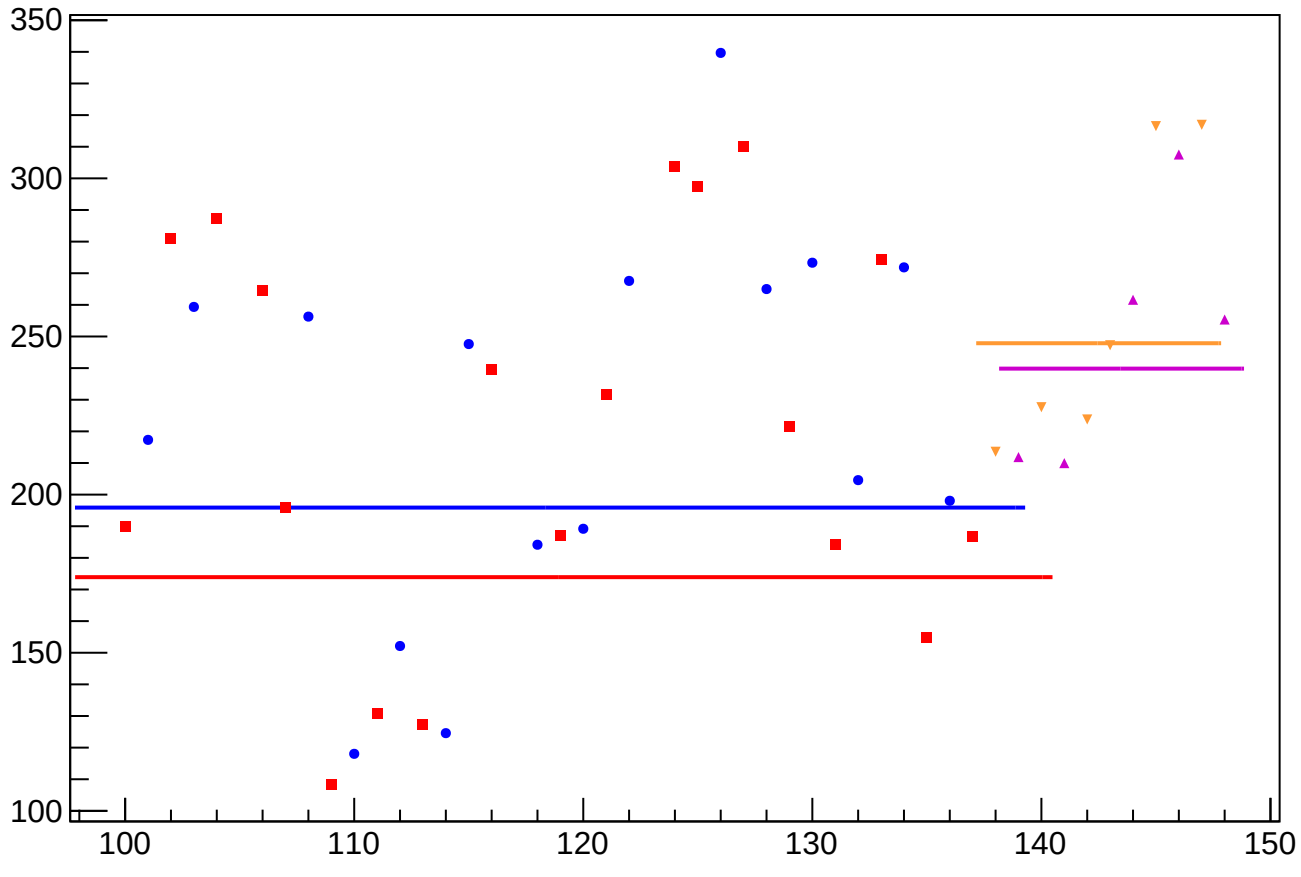
Left: 289.842+/-83.541 χ^2/NDF: 2.1/10

Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 55.520+/-64.305 χ^2/NDF:21.8/20

Out: -22.405+/-59.630 χ^2/NDF:24.0/24

All: 13.622+/-43.724 χ^2/NDF: 46.6/45



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 247.868+/-0.084 χ^2/NDF:216242.5/5

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

Left: 243.789+/-0.059 χ^2/NDF: 389079.1/10

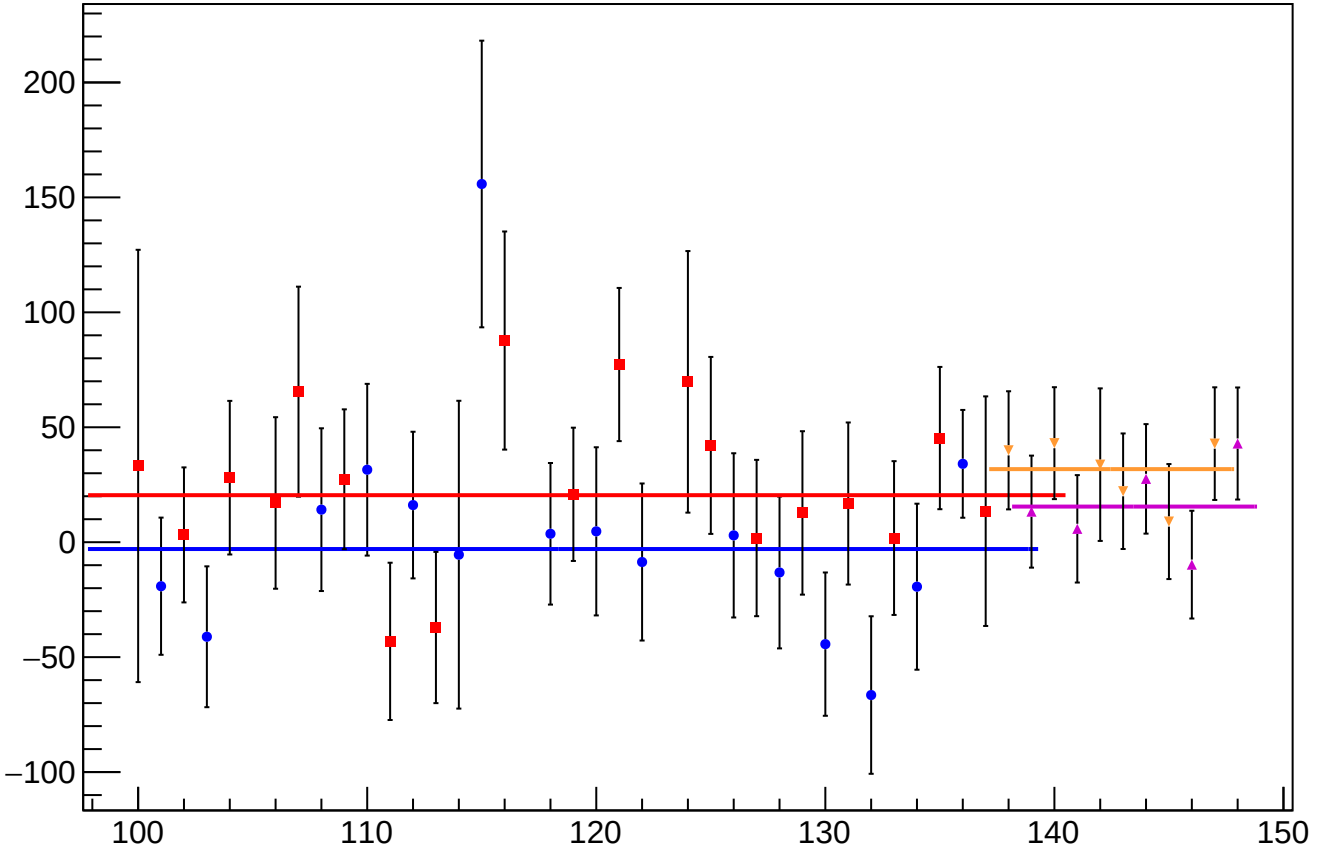
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 209.126+/-0.045 χ^2/NDF:1375704.5/20

Out: 192.442+/-0.042 χ^2/NDF:2393848.4/24

All: 200.155+/-0.031 χ^2/NDF: 3841939.4/45

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 31.793+/-10.566 χ^2/NDF:1.5/5

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 15.499+/-10.671 χ^2/NDF:2.9/4

Left: 23.726+/-7.508 χ^2/NDF: 5.5/10

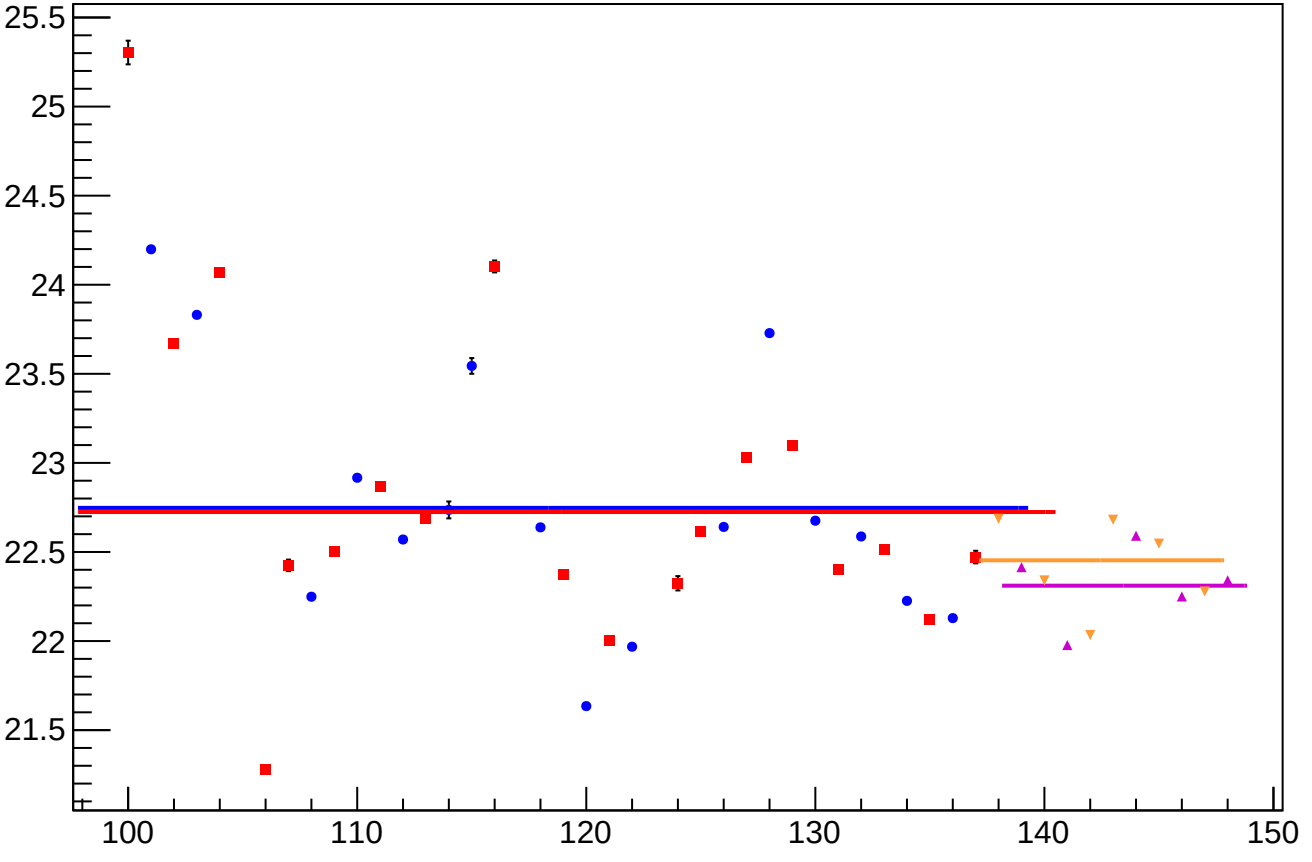
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.154+/-6.626 χ^2/NDF:22.6/20

Out: 24.778+/-6.523 χ^2/NDF:17.5/24

All: 14.628+/-4.649 χ^2/NDF: 45.0/45

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: 22.453+/-0.007 χ^2/NDF:820.8/5

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

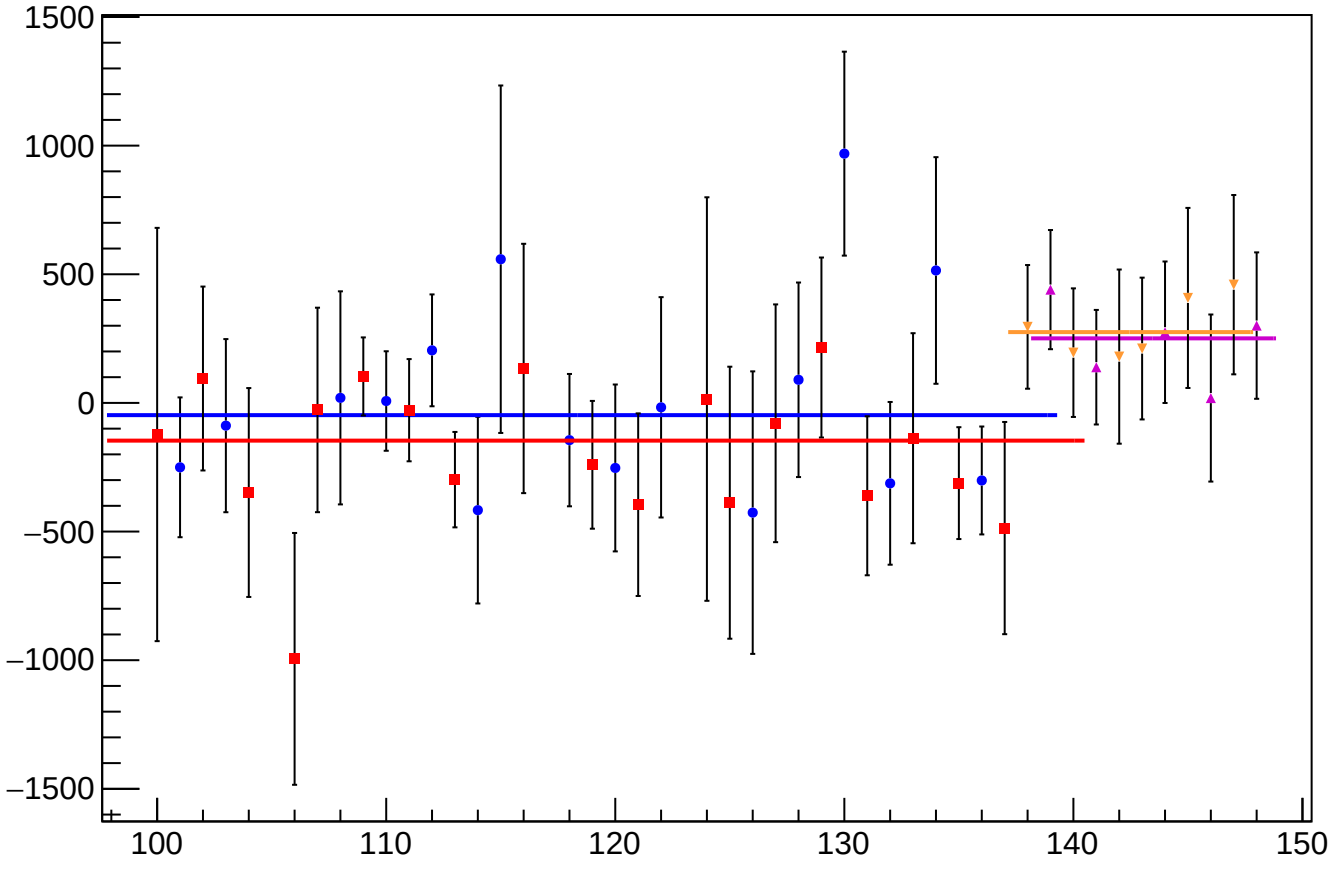
Left: 22.383+/-0.005 χ^2/NDF: 1737.3/10

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.579+/-0.005 χ^2/NDF:17416.9/20

Out: 22.621+/-0.005 χ^2/NDF:16125.4/24

All: 22.600+/-0.003 χ^2/NDF: 33582.9/45



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 275.231+/-118.165 χ^2/NDF:0.7/5

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 250.863+/-116.343 χ^2/NDF:1.5/4

Left: 262.858+/-82.904 χ^2/NDF: 2.2/10

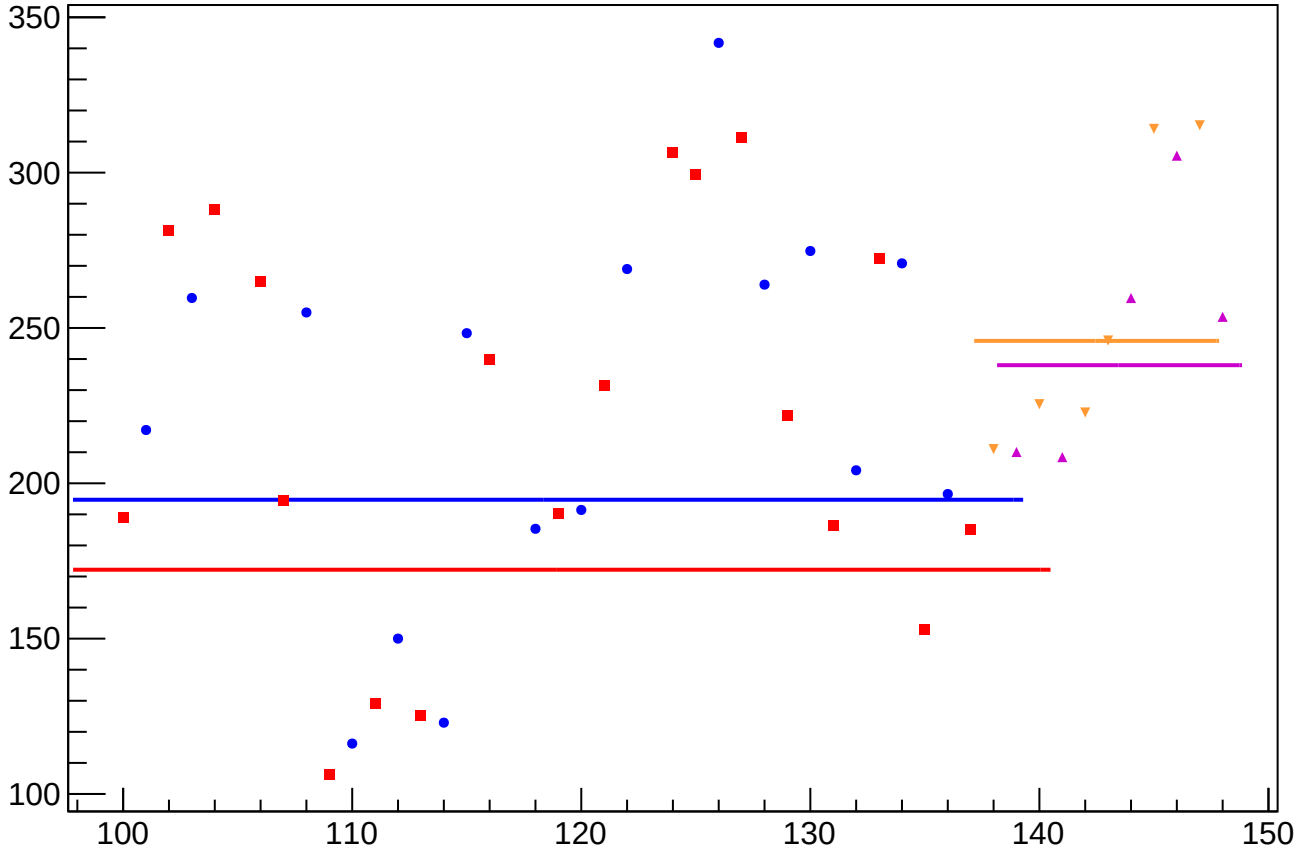
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 42.661+/-63.961 χ^2/NDF:21.5/20

Out: -40.715+/-59.196 χ^2/NDF:21.8/24

All: -2.248+/-43.445 χ^2/NDF: 44.2/45

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: 245.842+/-0.084 χ^2/NDF:219936.9/5

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

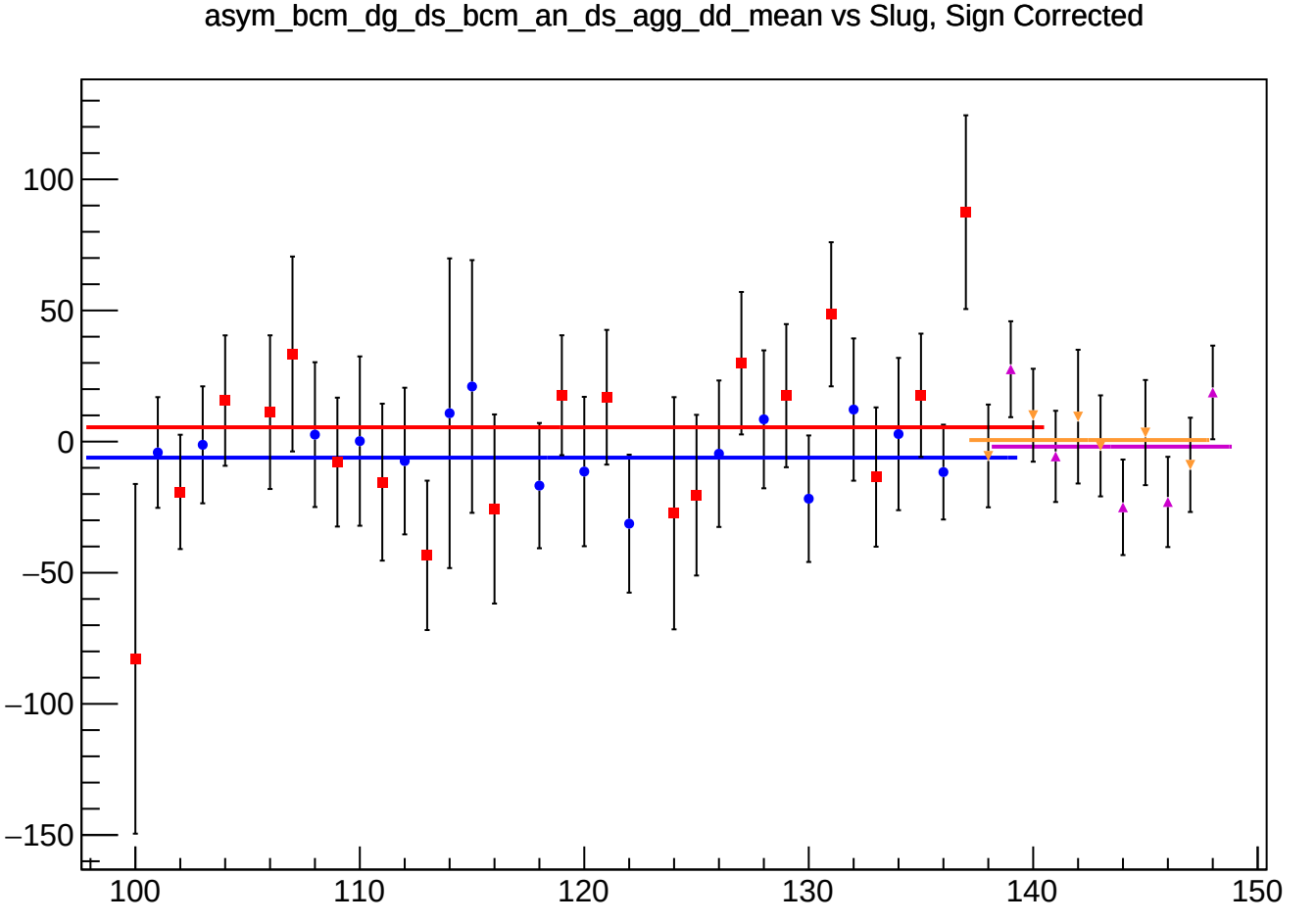
Left: 241.871+/-0.059 χ^2/NDF: 393482.5/10

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

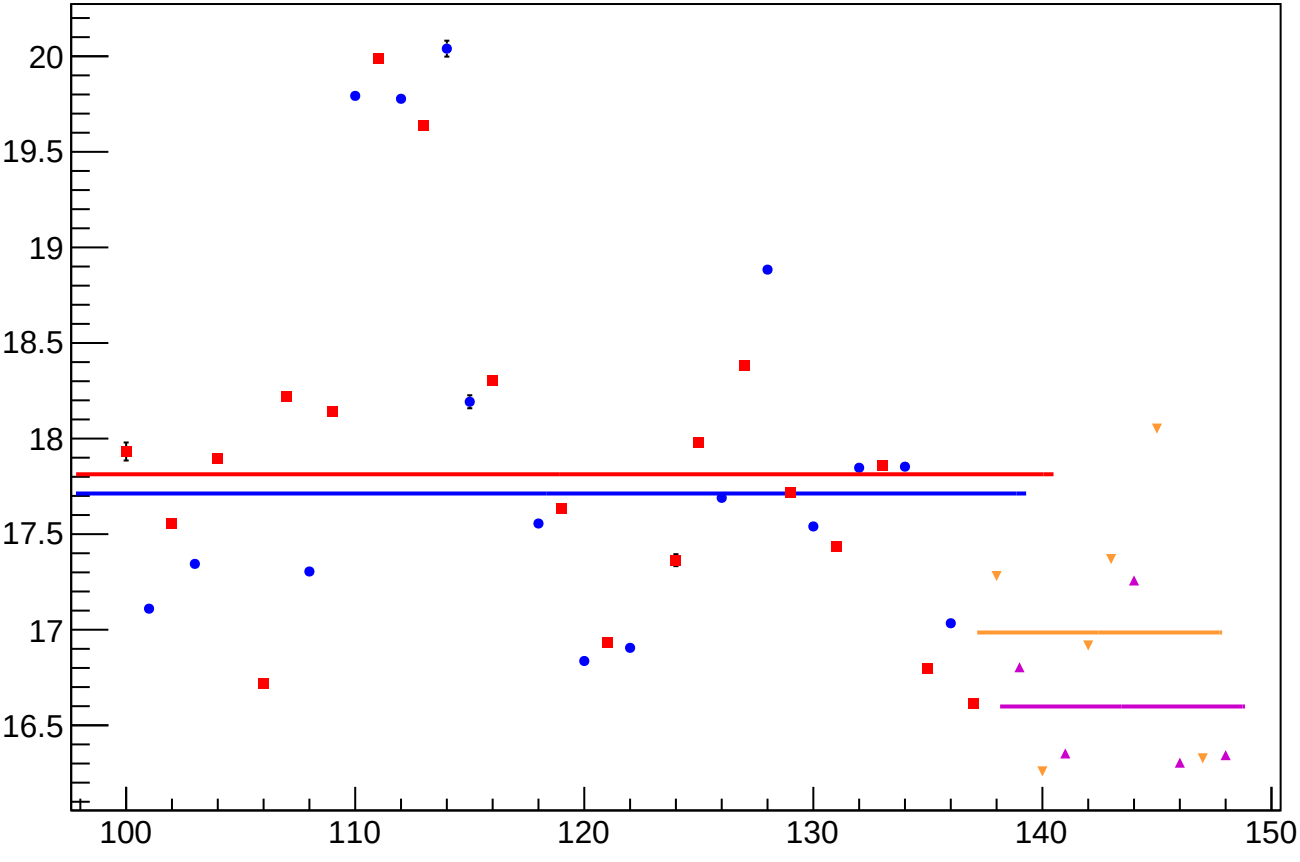
In: 207.799+/-0.045 χ^2/NDF:1414802.5/20

Out: 190.671+/-0.042 χ^2/NDF:2473068.6/24

All: 198.573+/-0.031 χ^2/NDF: 3965120.9/45


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -6.119+/-6.592 χ²/NDF: 3.1/15
Left Out: 0.589+/-8.004 χ²/NDF:0.8/5
Right Out: 5.470+/-6.509 χ²/NDF: 19.2/18
Left In: -1.928+/-7.949 χ²/NDF:7.1/4
Left: -0.678+/-5.640 χ²/NDF: 8.0/10
Right: -0.251+/-4.632 χ²/NDF: 23.9/34
In: -4.411+/-5.074 χ²/NDF:10.4/20
Out: 3.527+/-5.050 χ²/NDF:20.2/24
All: -0.423+/-3.579 χ²/NDF: 31.9/45

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: 16.986+/-0.006 χ^2/NDF:12973.8/5

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

Left: 16.791+/-0.004 χ^2/NDF: 19591.1/10

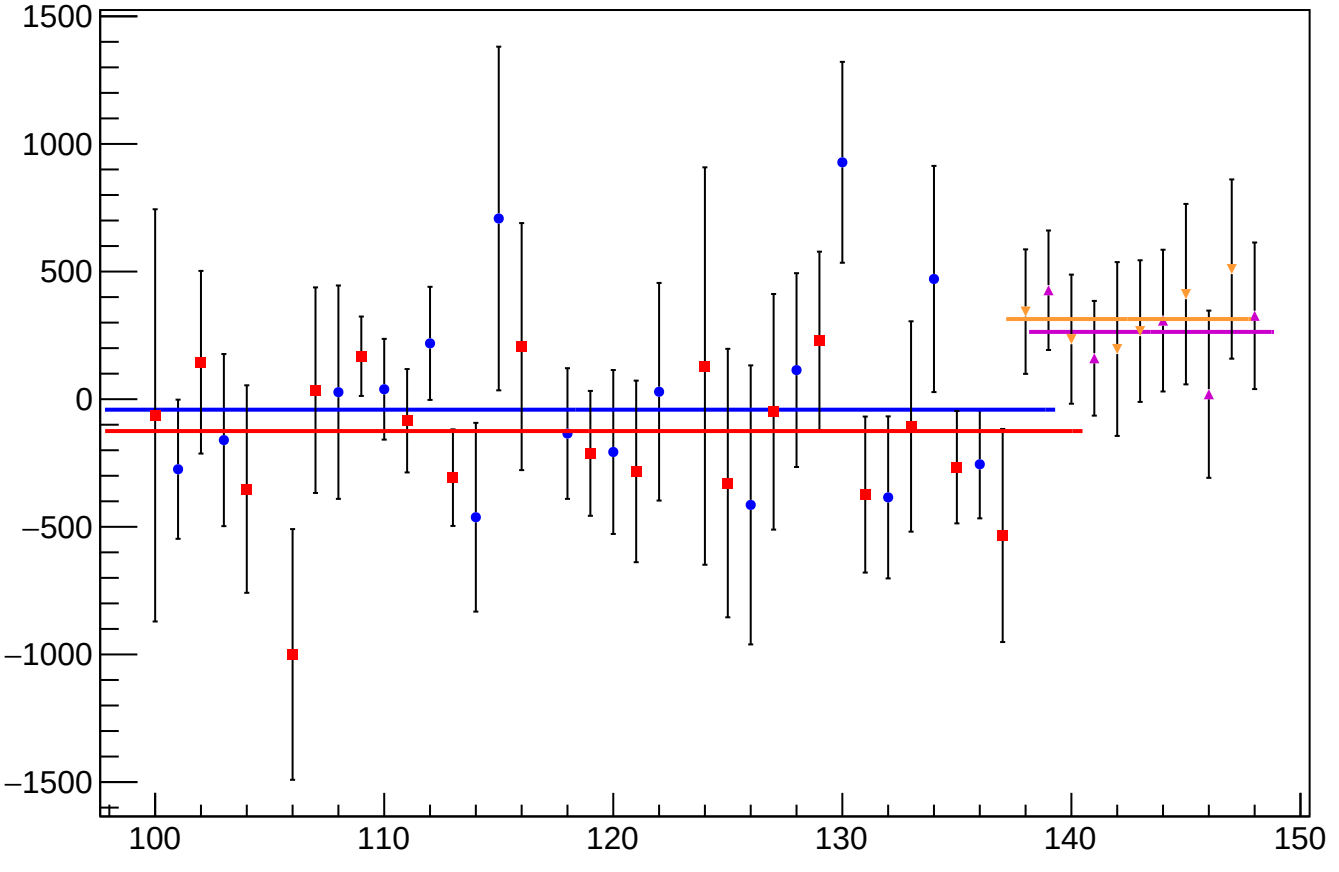
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.259+/-0.004 χ^2/NDF:63527.6/20

Out: 17.484+/-0.004 χ^2/NDF:58561.8/24

All: 17.372+/-0.003 χ^2/NDF: 124067.9/45

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: 314.004+/-119.379 χ^2/NDF:0.6/5

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 263.580+/-117.468 χ^2/NDF:1.3/4

Left: 288.385+/-83.730 χ^2/NDF: 2.1/10

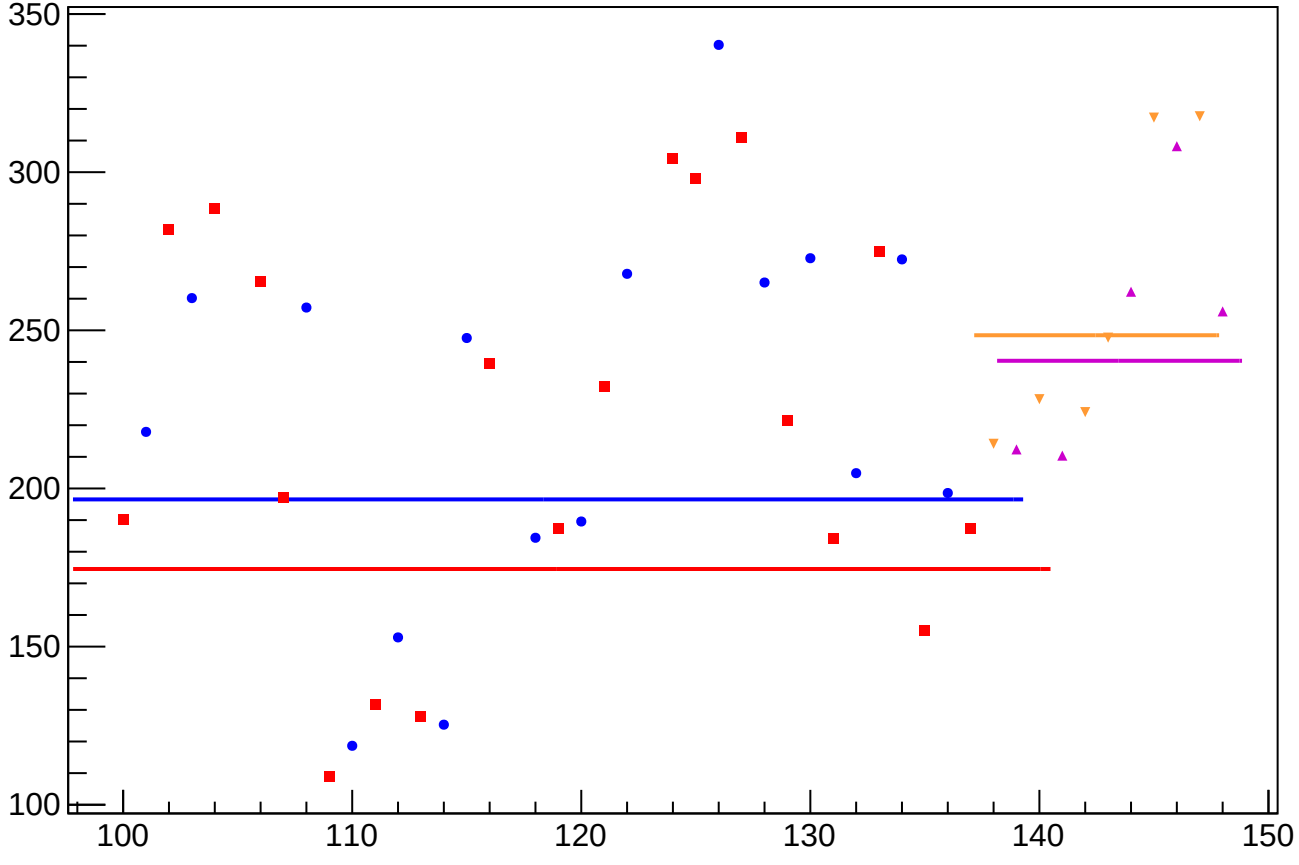
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 50.690+/-64.479 χ^2/NDF:21.6/20

Out: -14.712+/-59.810 χ^2/NDF:23.6/24

All: 15.535+/-43.850 χ^2/NDF: 45.8/45

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: 248.443+/-0.084 χ^2/NDF:216102.8/5

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

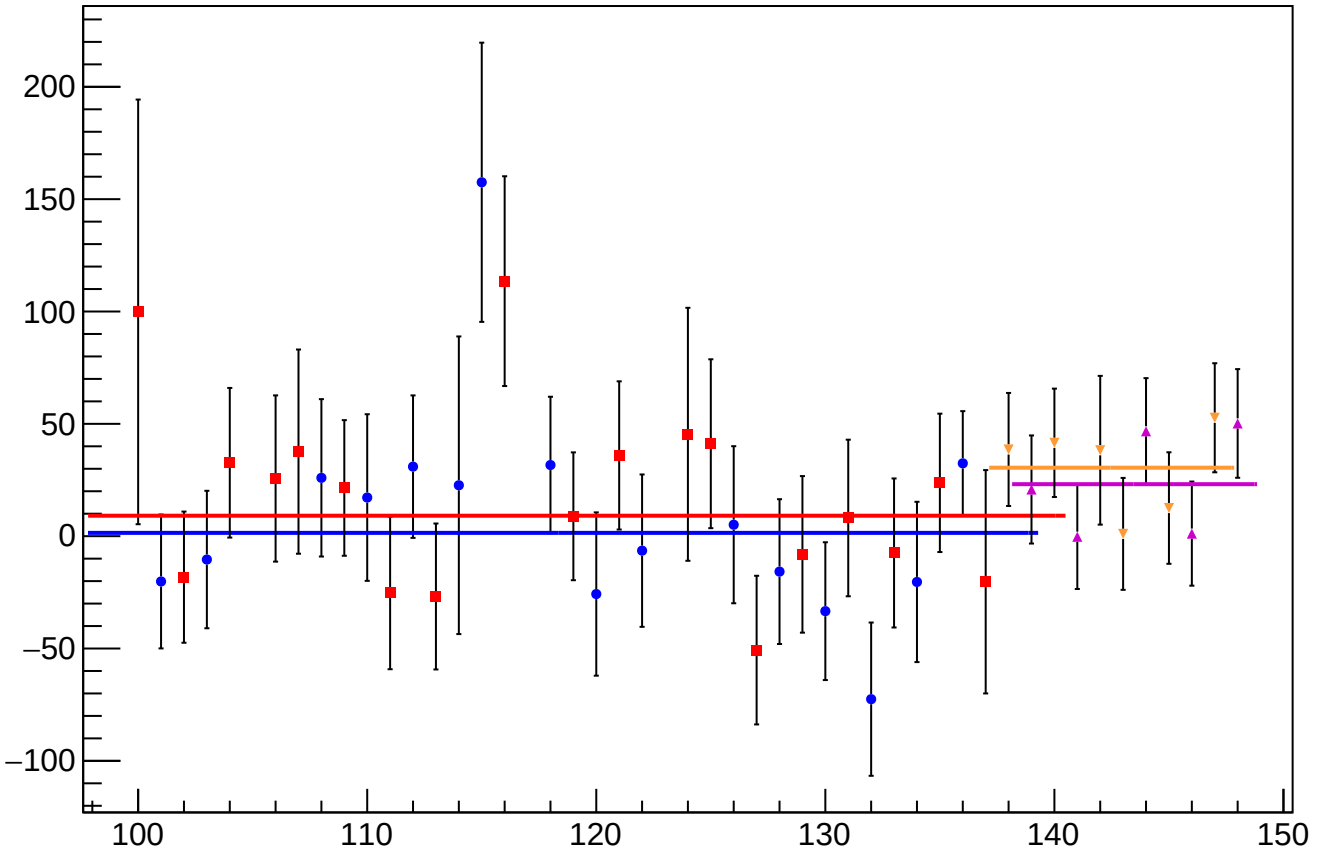
Left: 244.342+/-0.059 χ^2/NDF: 389092.5/10

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 209.748+/-0.046 χ^2/NDF:1363647.5/20

Out: 193.090+/-0.042 χ^2/NDF:2378910.4/24

All: 200.794+/-0.031 χ^2/NDF: 3814306.5/45



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 30.481+/-10.457 χ^2/NDF:3.1/5

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 23.144+/-10.578 χ^2/NDF:4.2/4

Left: 26.855+/-7.437 χ^2/NDF: 7.5/10

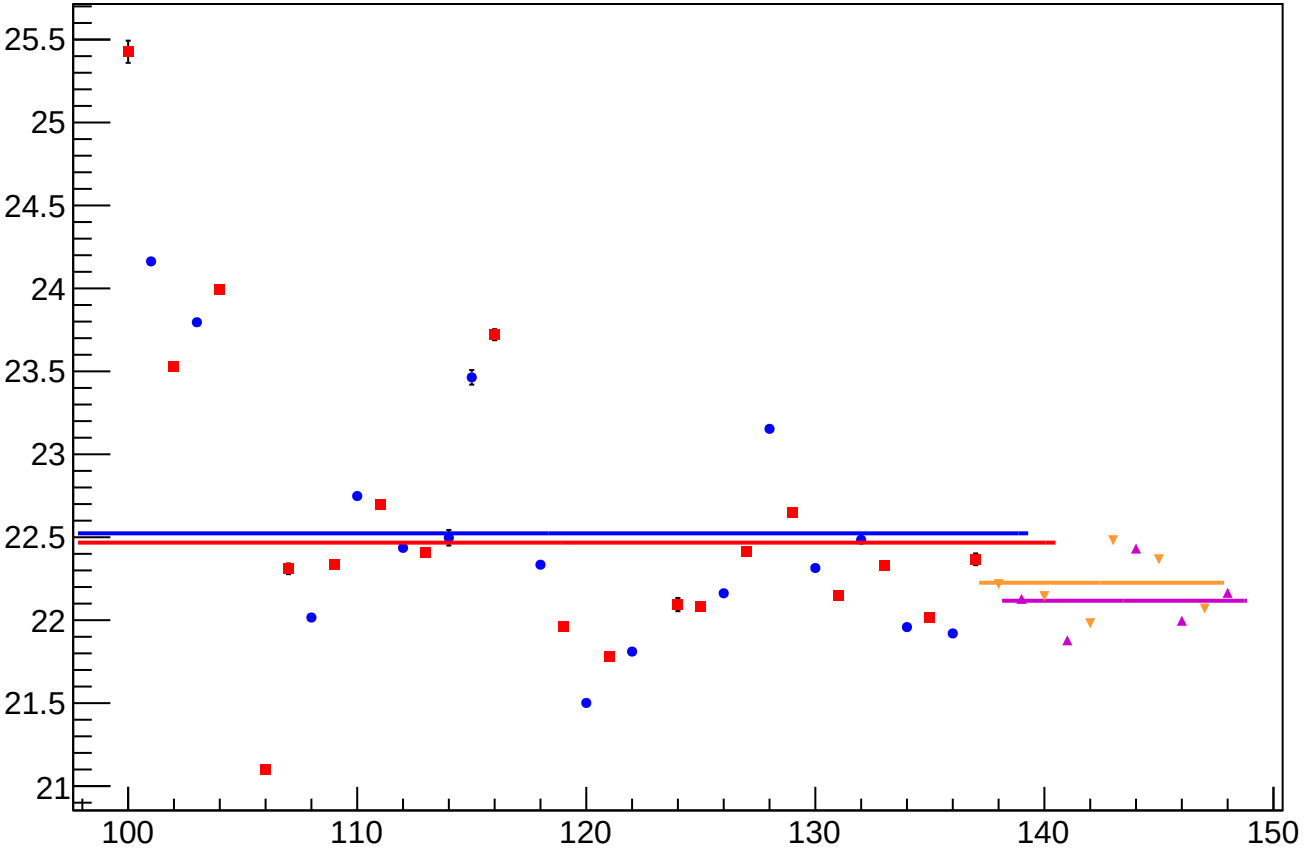
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 9.819+/-6.564 χ^2/NDF:25.4/20

Out: 17.246+/-6.452 χ^2/NDF:22.2/24

All: 13.597+/-4.601 χ^2/NDF: 48.2/45

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: 22.226+/-0.007 χ^2/NDF:490.3/5

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

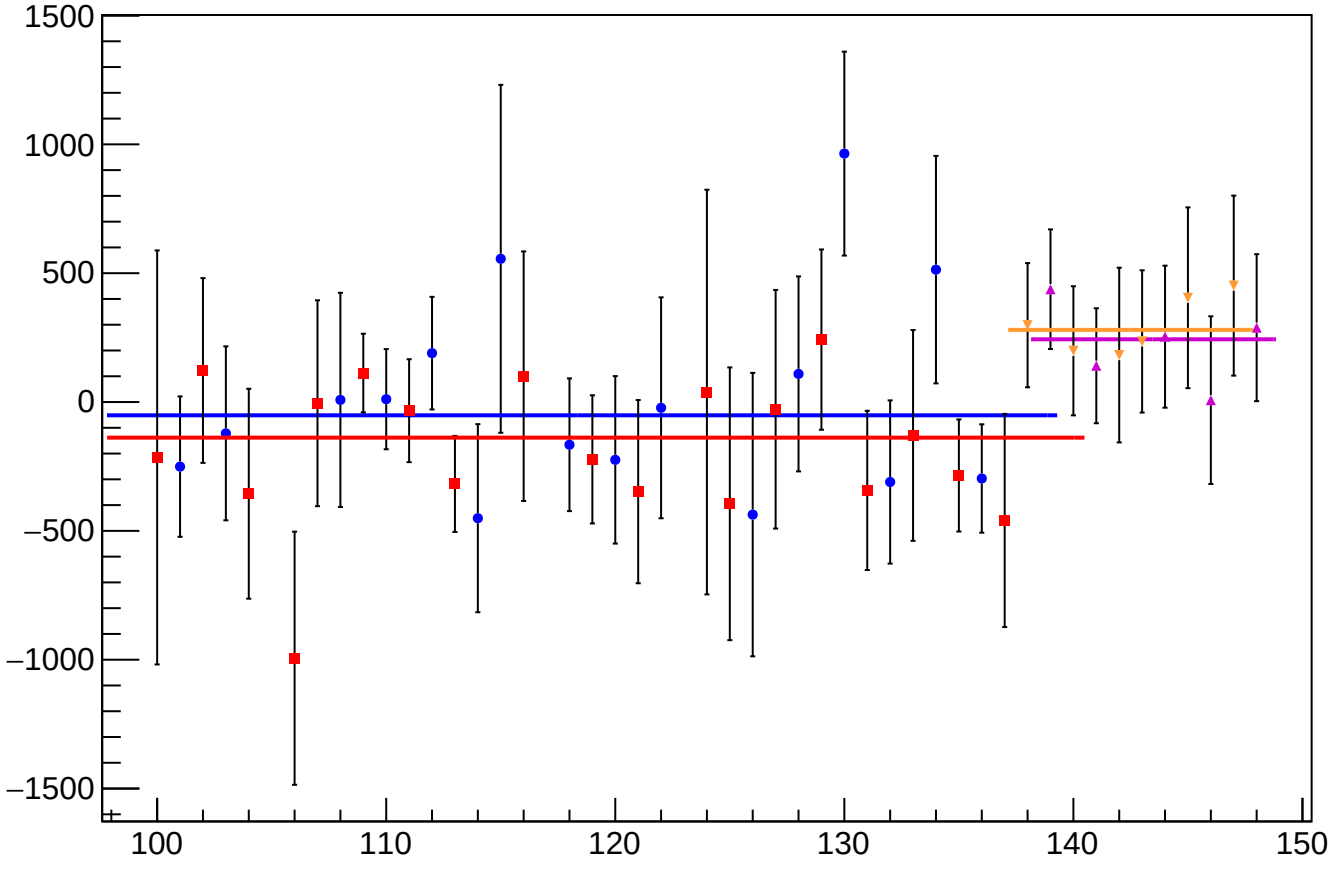
Left: 22.172+/-0.005 χ^2/NDF: 1223.5/10

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.367+/-0.005 χ^2/NDF:18389.0/20

Out: 22.376+/-0.005 χ^2/NDF:16778.1/24

All: 22.371+/-0.003 χ^2/NDF: 35168.8/45



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 280.061+/-118.441 χ^2/NDF:0.6/5

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 243.494+/-116.604 χ^2/NDF:1.5/4

Left: 261.492+/-83.093 χ^2/NDF: 2.1/10

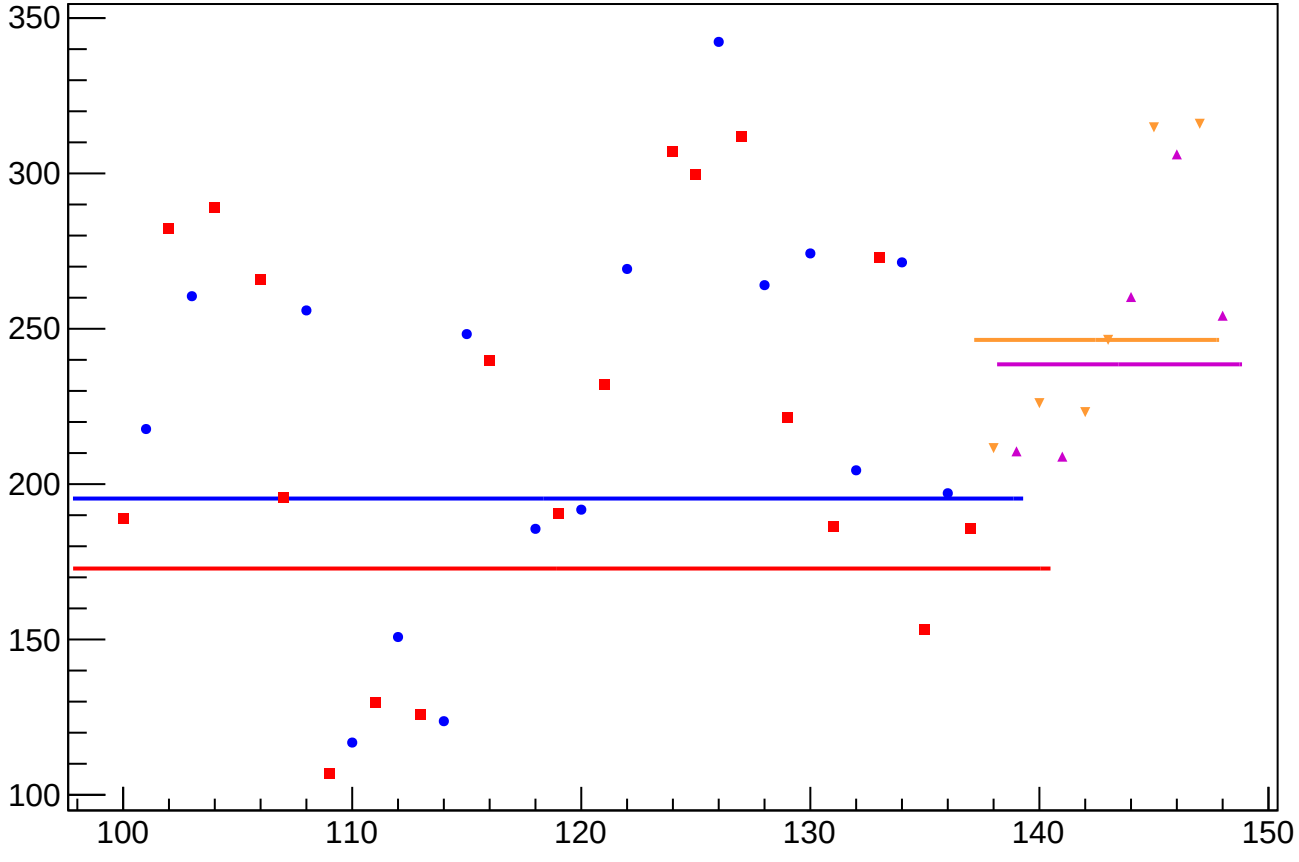
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 37.754+/-64.137 χ^2/NDF:21.3/20

Out: -33.066+/-59.378 χ^2/NDF:21.5/24

All: -0.380+/-43.572 χ^2/NDF: 43.5/45

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: 246.419+/-0.084 χ^2/NDF:219771.8/5

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

Left: 242.426+/-0.059 χ^2/NDF: 393457.1/10

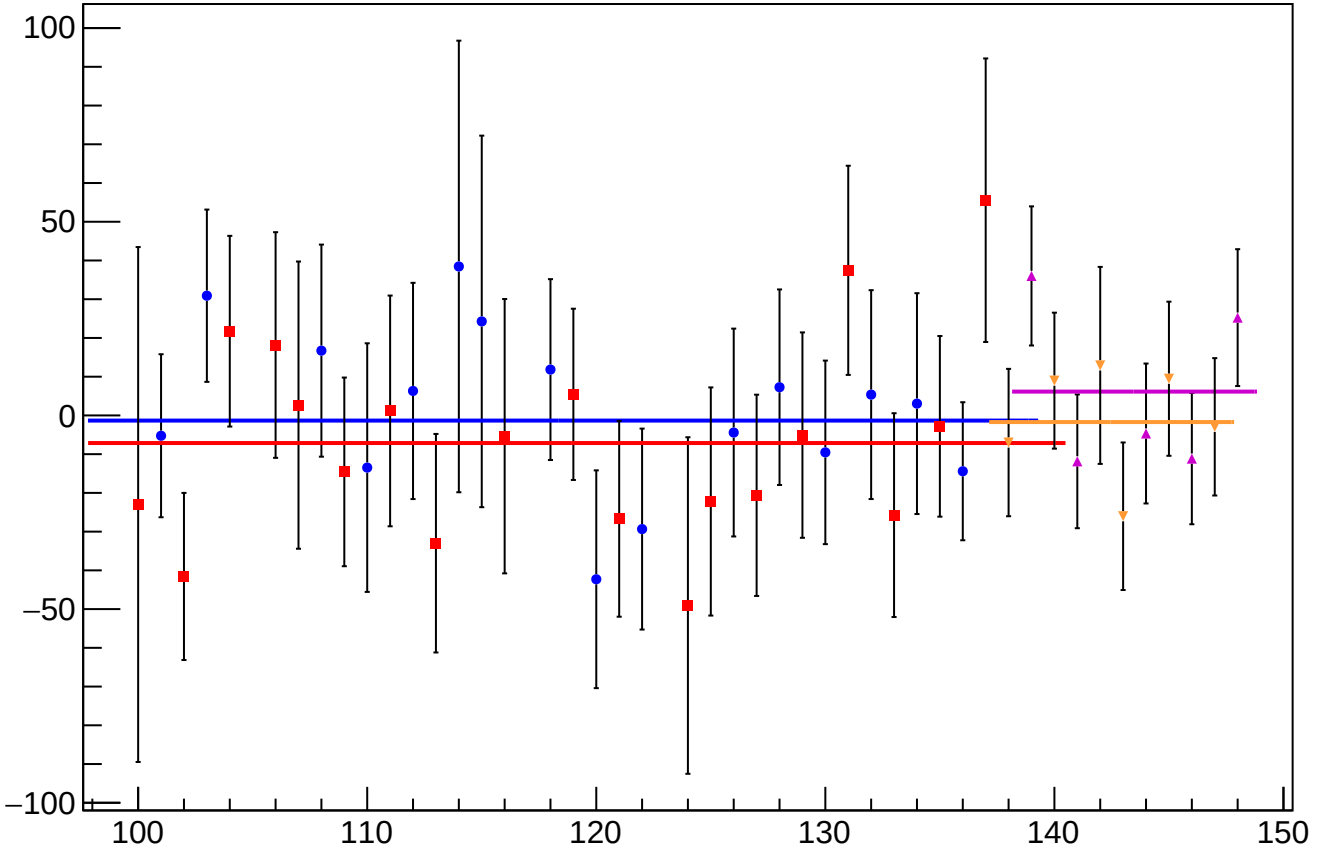
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 208.429+/-0.045 χ^2/NDF:1402056.3/20

Out: 191.330+/-0.042 χ^2/NDF:2457108.9/24

All: 199.222+/-0.031 χ^2/NDF: 3935708.1/45

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: -1.712+/-7.901 χ^2/NDF:2.7/5

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 6.150+/-7.855 χ^2/NDF:6.4/4

Left: 2.242+/-5.570 χ^2/NDF: 9.7/10

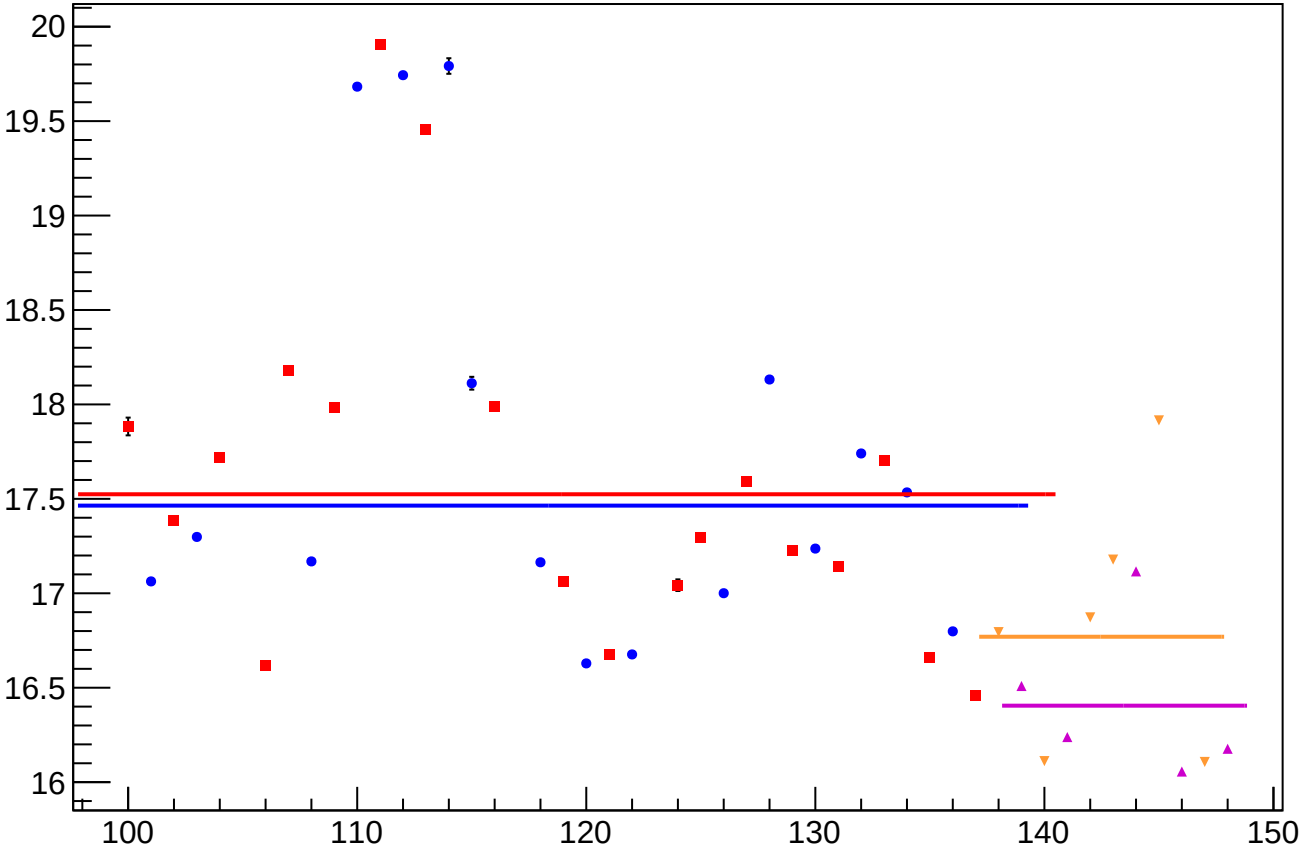
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.709+/-5.007 χ^2/NDF:15.0/20

Out: -4.980+/-4.974 χ^2/NDF:17.4/24

All: -1.658+/-3.529 χ^2/NDF: 33.3/45

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: 16.770+/-0.006 χ^2/NDF:13199.0/5

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

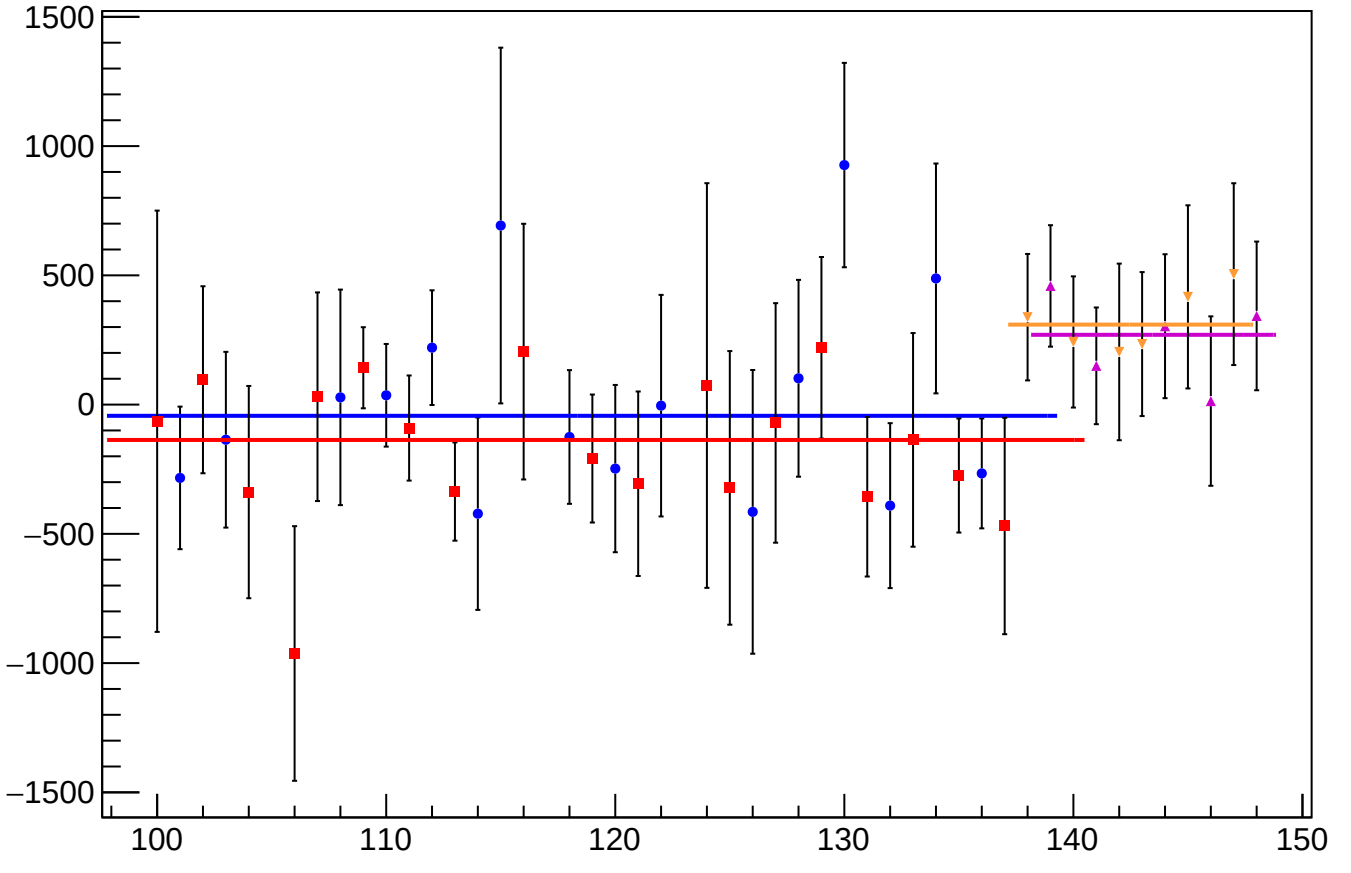
Left: 16.586+/-0.004 χ^2/NDF: 19879.0/10

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.034+/-0.004 χ^2/NDF:62774.6/20

Out: 17.225+/-0.004 χ^2/NDF:58933.0/24

All: 17.130+/-0.002 χ^2/NDF: 123180.7/45



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 309.367+/-119.722 χ^2/NDF:0.7/5

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 269.950+/-117.808 χ^2/NDF:1.6/4

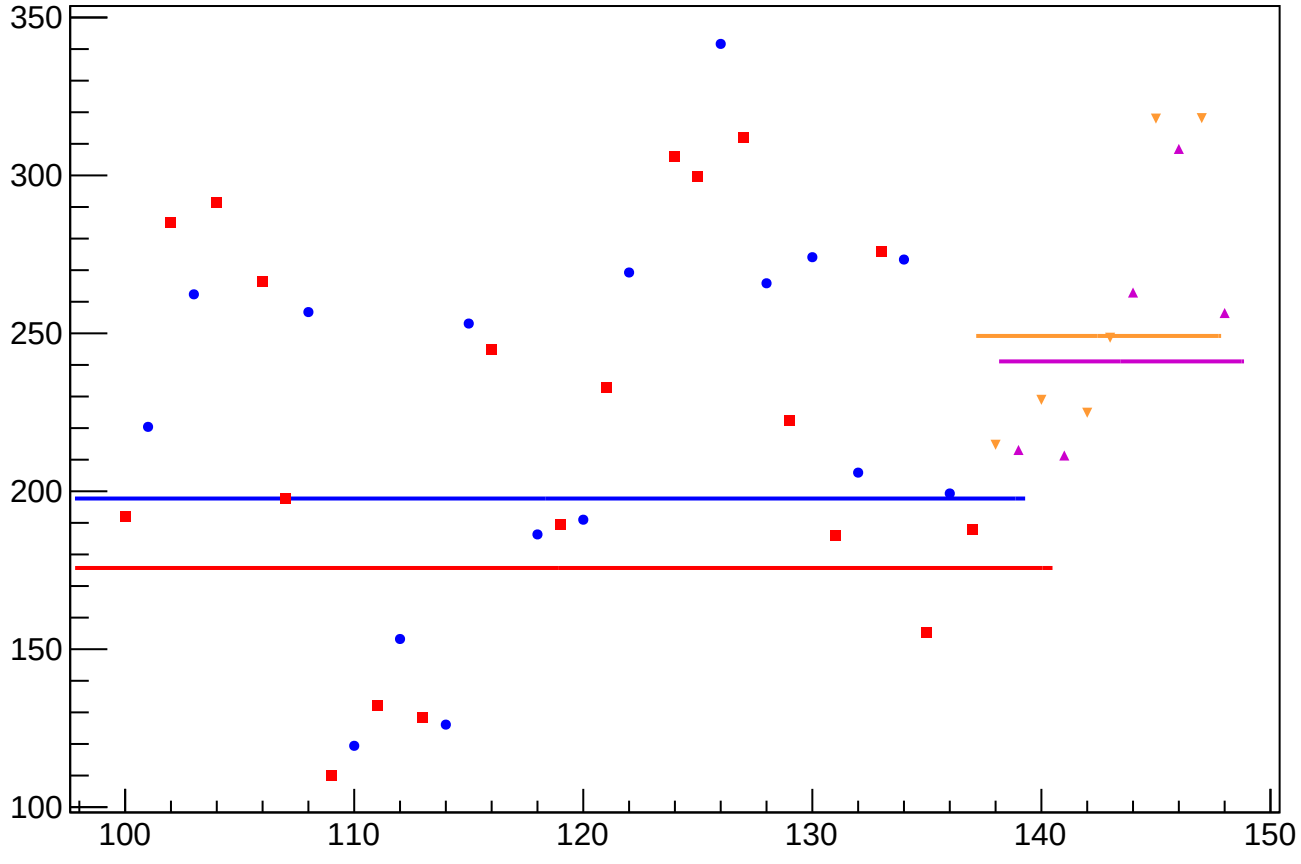
Left: 289.341+/-83.971 χ^2/NDF: 2.3/10

Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 51.401+/-64.795 χ^2/NDF:22.0/20

Out: -24.188+/-60.143 χ^2/NDF:22.6/24

All: 10.796+/-44.080 χ^2/NDF: 45.3/45



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 249.177+/-0.085 χ^2/NDF:214866.3/5

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

Left: 245.082+/-0.059 χ^2/NDF: 385022.6/10

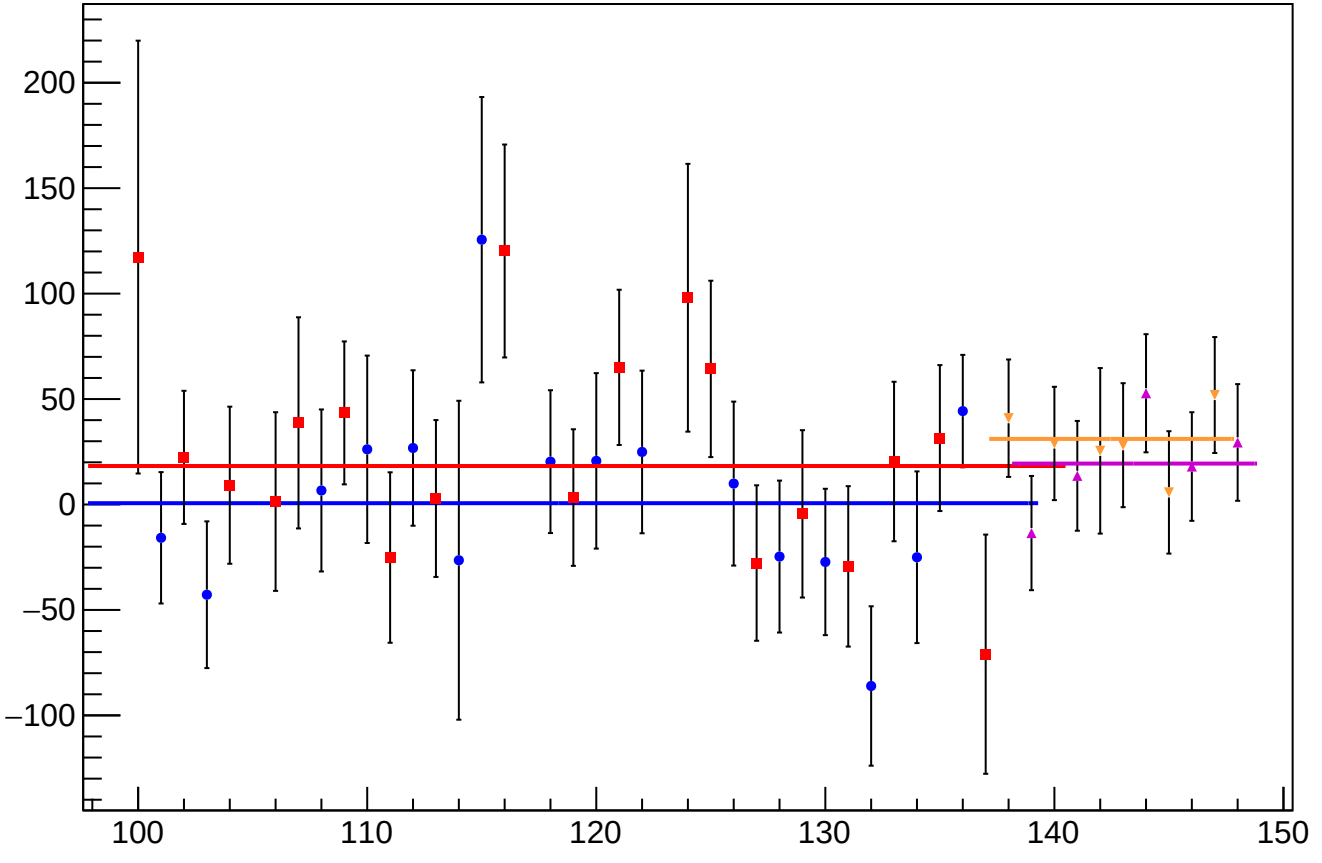
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 210.839+/-0.046 χ^2/NDF:1355289.6/20

Out: 194.254+/-0.043 χ^2/NDF:2368402.8/24

All: 201.930+/-0.031 χ^2/NDF: 3794078.7/45

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.102+/-11.959 χ^2/NDF:1.5/5

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 19.404+/-12.014 χ^2/NDF:3.1/4

Left: 25.280+/-8.476 χ^2/NDF: 5.1/10

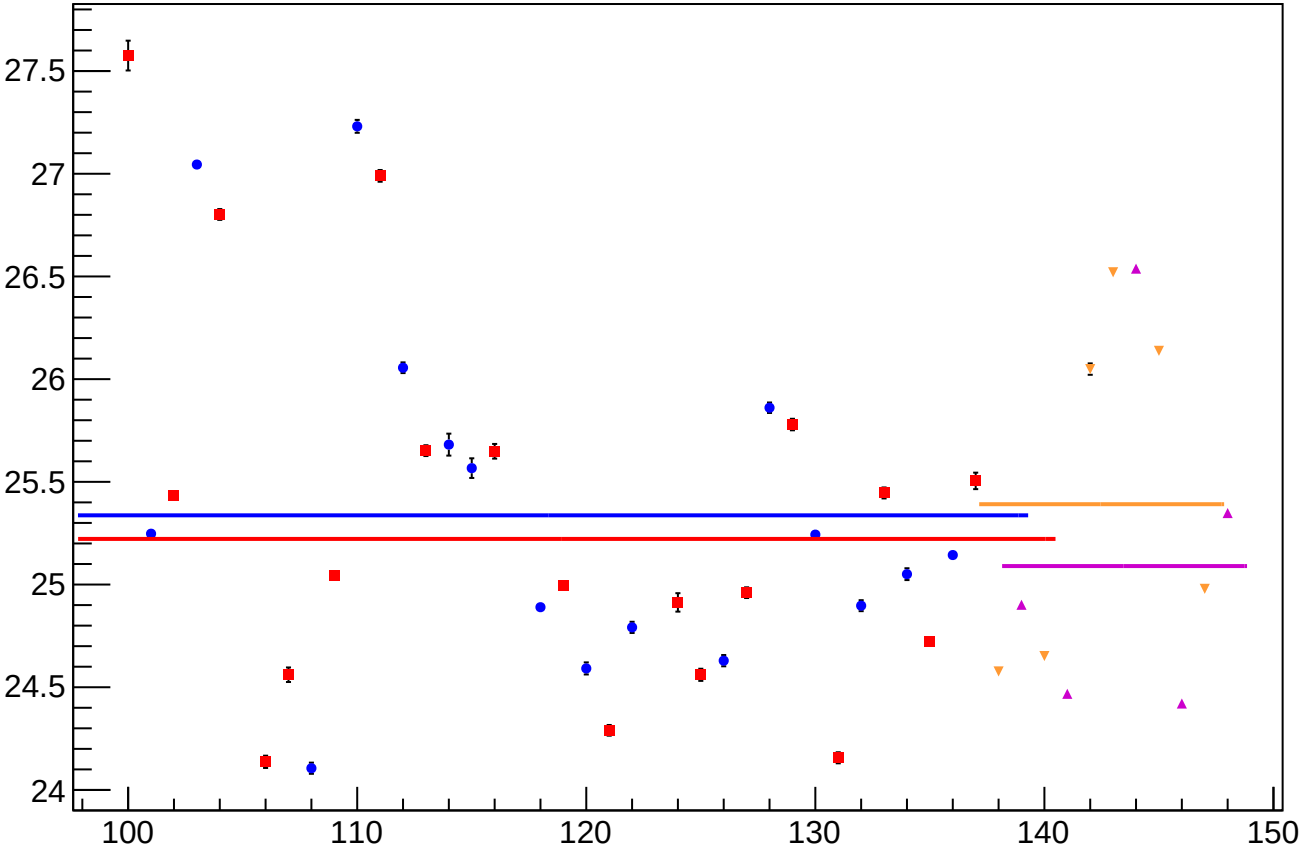
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 7.772+/-7.414 χ^2/NDF:21.3/20

Out: 23.033+/-7.296 χ^2/NDF:20.2/24

All: 15.524+/-5.200 χ^2/NDF: 43.7/45

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: 25.391+/-0.008 χ^2/NDF:8510.3/5

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

Left: 25.241+/-0.006 χ^2/NDF: 17250.6/10

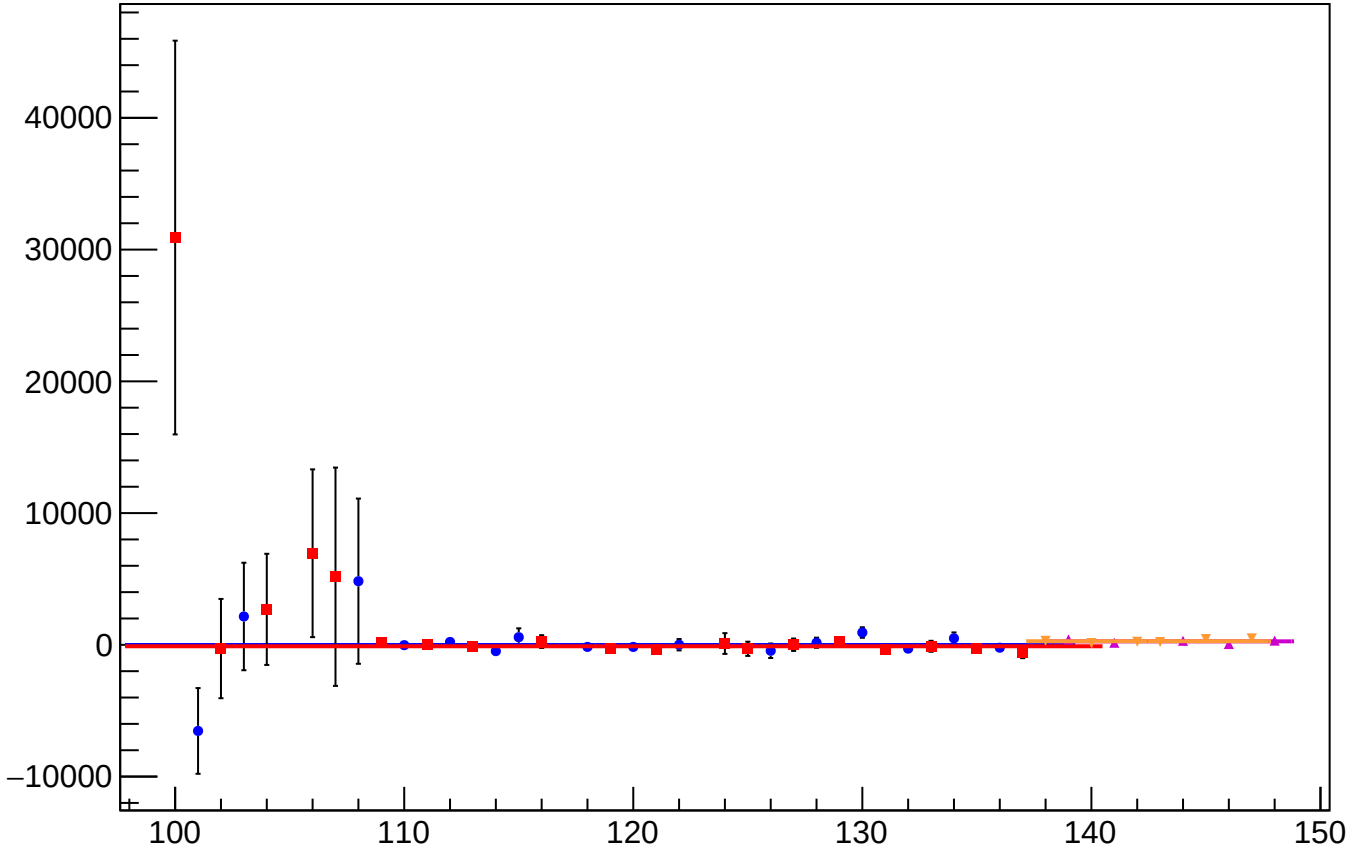
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.243+/-0.005 χ^2/NDF:22947.6/20

Out: 25.285+/-0.005 χ^2/NDF:23985.6/24

All: 25.264+/-0.004 χ^2/NDF: 46965.9/45

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: 273.865+/-120.507 χ^2/NDF:1.0/5

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 265.556+/-118.044 χ^2/NDF:1.1/4

Left: 269.625+/-84.327 χ^2/NDF: 2.0/10

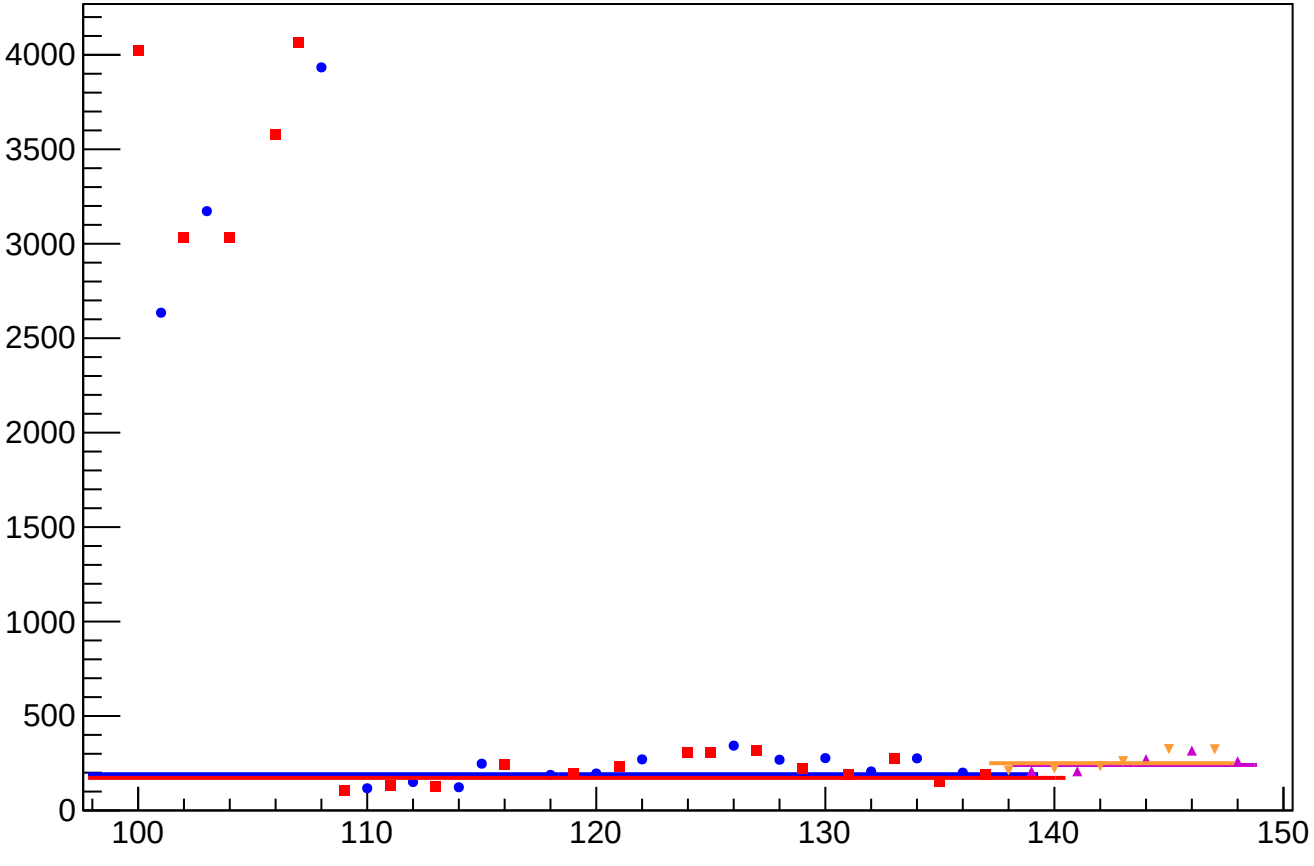
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 80.056+/-68.818 χ^2/NDF:23.1/20

Out: 4.367+/-65.539 χ^2/NDF:22.1/24

All: 40.365+/-47.460 χ^2/NDF: 45.8/45

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: 250.193+/-0.085 χ^2/NDF:254960.2/5

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 240.798+/-0.083 χ^2/NDF:217549.2/4

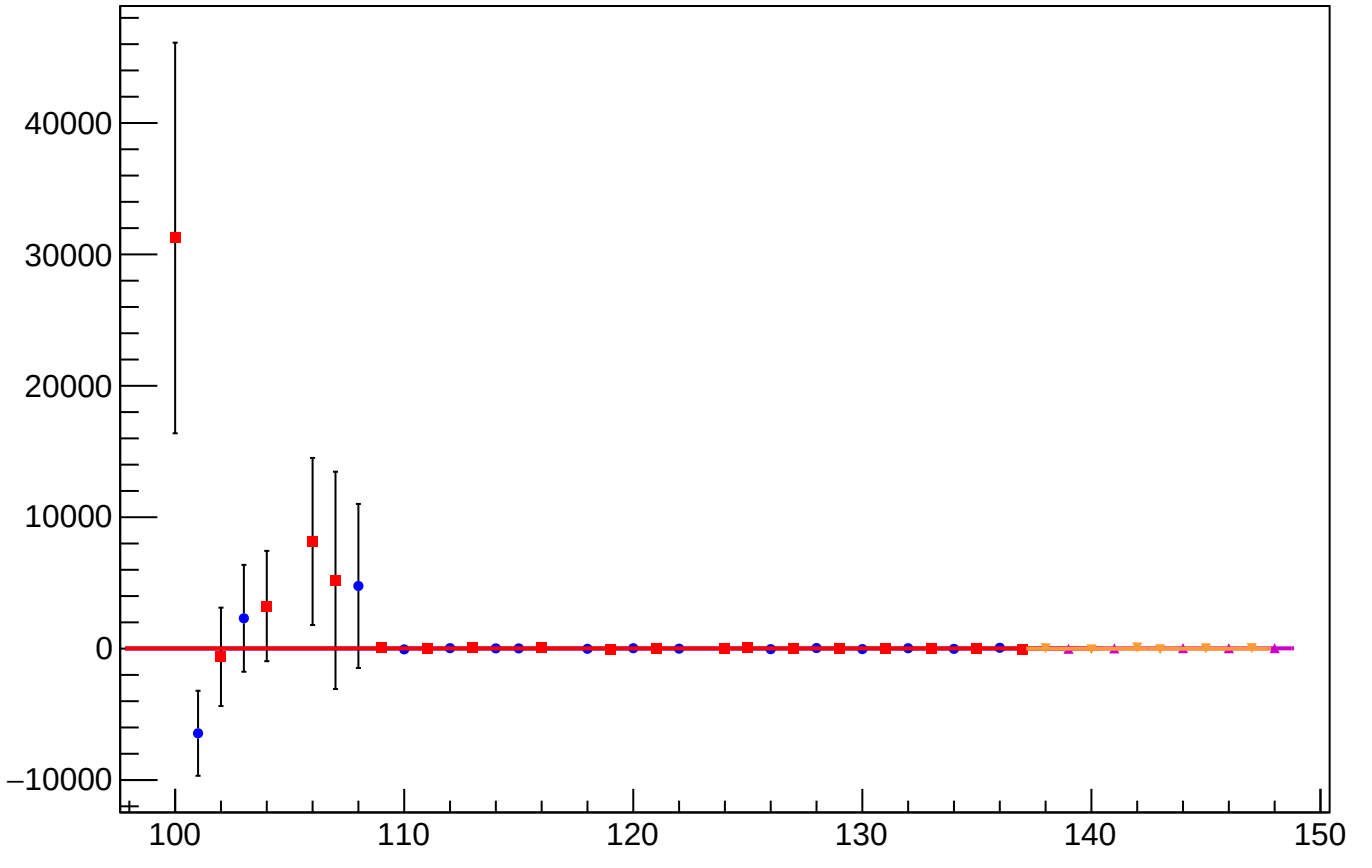
Left: 245.398+/-0.060 χ^2/NDF: 478712.8/10

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 208.411+/-0.049 χ^2/NDF:4267422.4/20

Out: 195.453+/-0.046 χ^2/NDF:5144084.8/24

All: 201.616+/-0.034 χ^2/NDF: 9448686.2/45



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -0.080+/-13.871 χ^2/NDF:11.0/5

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 22.532+/-13.864 χ^2/NDF:1.7/4

Left: 11.232+/-9.806 χ^2/NDF: 14.0/10

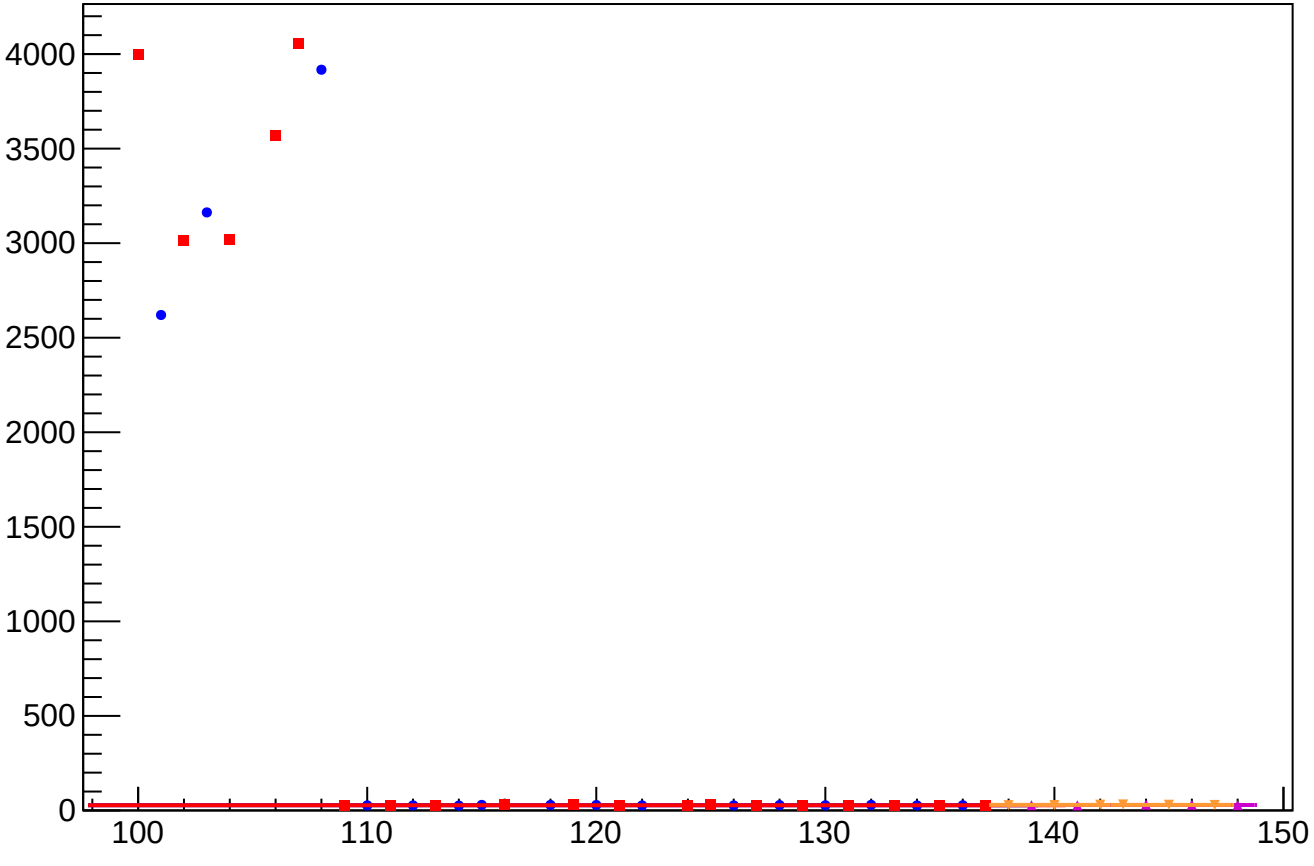
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 14.957+/-8.935 χ^2/NDF:18.2/20

Out: 10.466+/-8.990 χ^2/NDF:36.8/24

All: 12.726+/-6.337 χ^2/NDF: 55.1/45

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: 29.345+/-0.010 χ^2/NDF:17995.6/5

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.907+/-0.010 χ^2/NDF:23526.4/4

Left: 29.126+/-0.007 χ^2/NDF: 42519.3/10

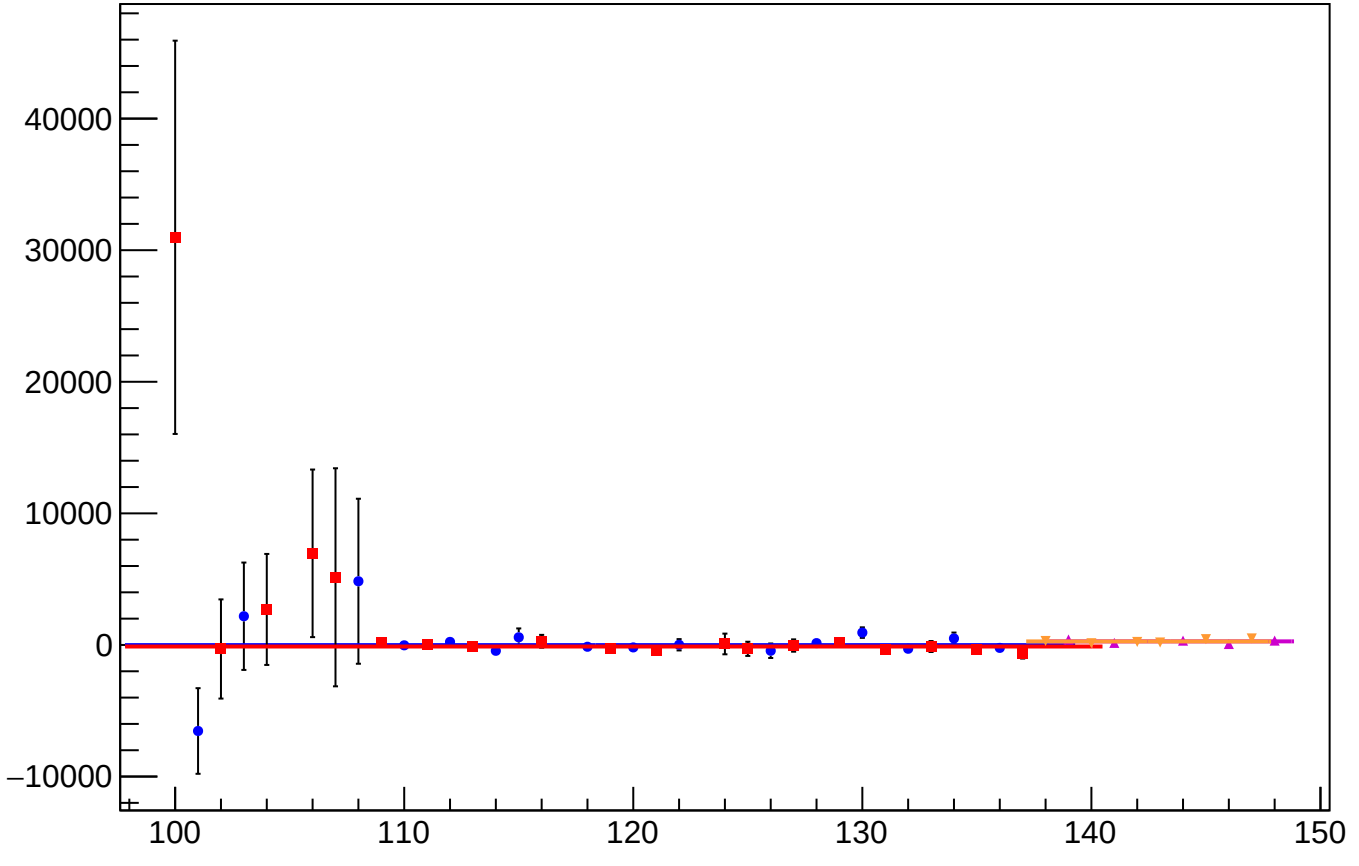
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.167+/-0.006 χ^2/NDF:3298761.1/20

Out: 28.295+/-0.006 χ^2/NDF:3592973.2/24

All: 28.231+/-0.004 χ^2/NDF: 6891937.8/45

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 269.441+/-120.230 χ^2/NDF:1.1/5

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 272.720+/-117.785 χ^2/NDF:1.1/4

Left: 271.114+/-84.138 χ^2/NDF: 2.1/10

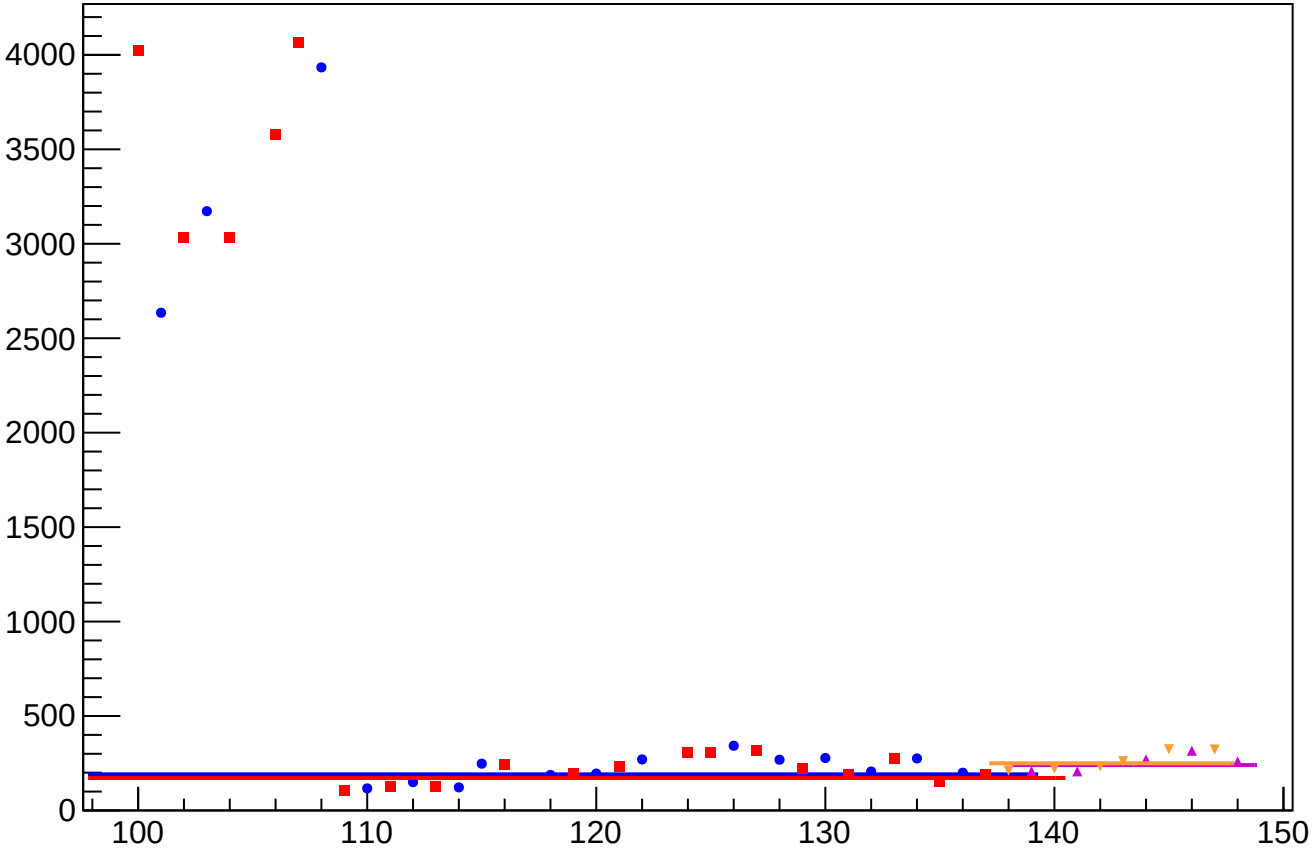
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 83.910+/-68.634 χ^2/NDF:23.3/20

Out: -3.564+/-65.354 χ^2/NDF:22.8/24

All: 38.033+/-47.330 χ^2/NDF: 47.0/45

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 249.609+/-0.085 χ^2/NDF:255394.0/5

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

Left: 244.843+/-0.059 χ^2/NDF: 479078.9/10

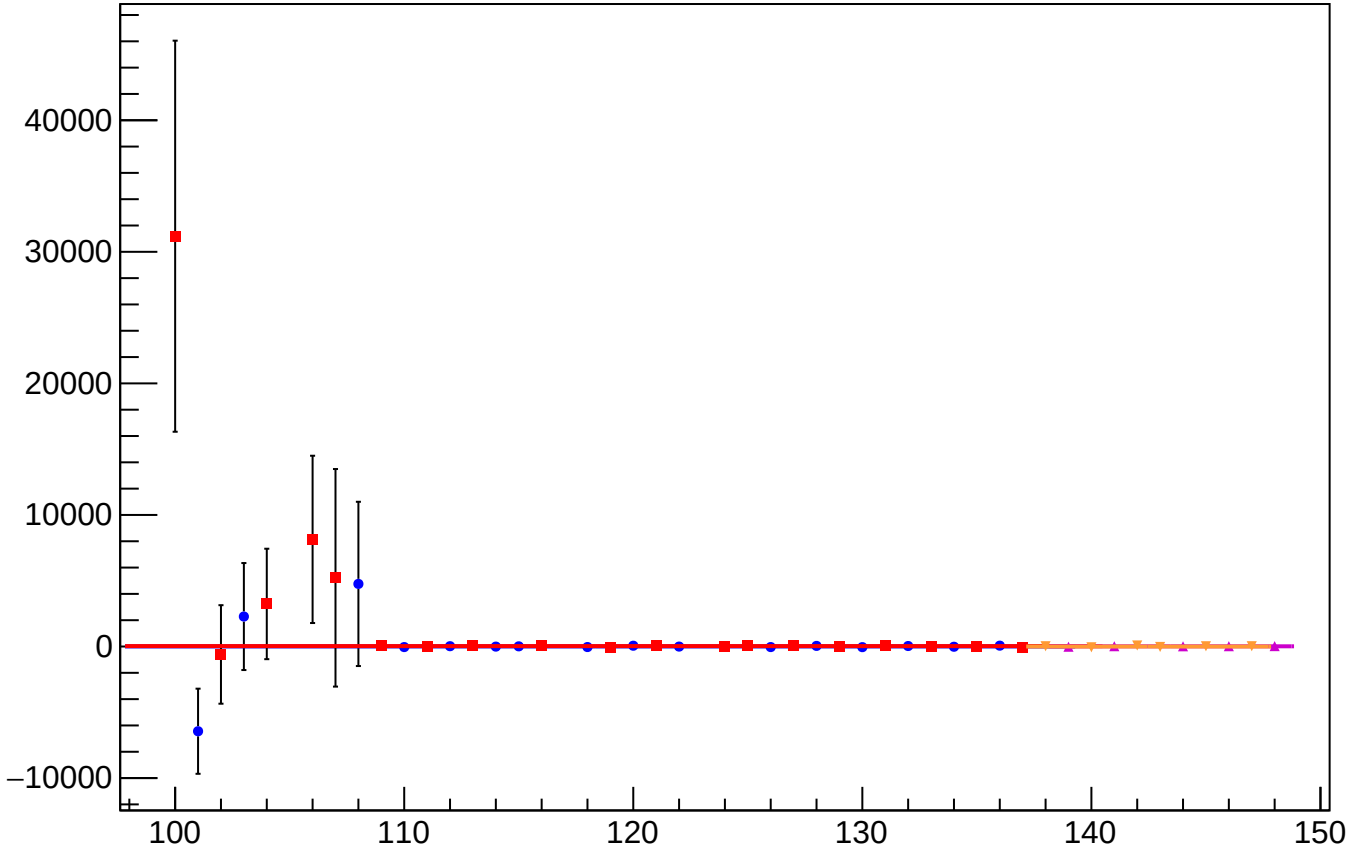
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 207.775+/-0.049 χ^2/NDF:4281931.7/20

Out: 194.816+/-0.046 χ^2/NDF:5159734.7/24

All: 200.978+/-0.033 χ^2/NDF: 9479062.4/45

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 0.828+/-13.965 χ^2/NDF:8.6/5

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 16.107+/-13.950 χ^2/NDF:1.4/4

Left: 8.476+/-9.869 χ^2/NDF: 10.6/10

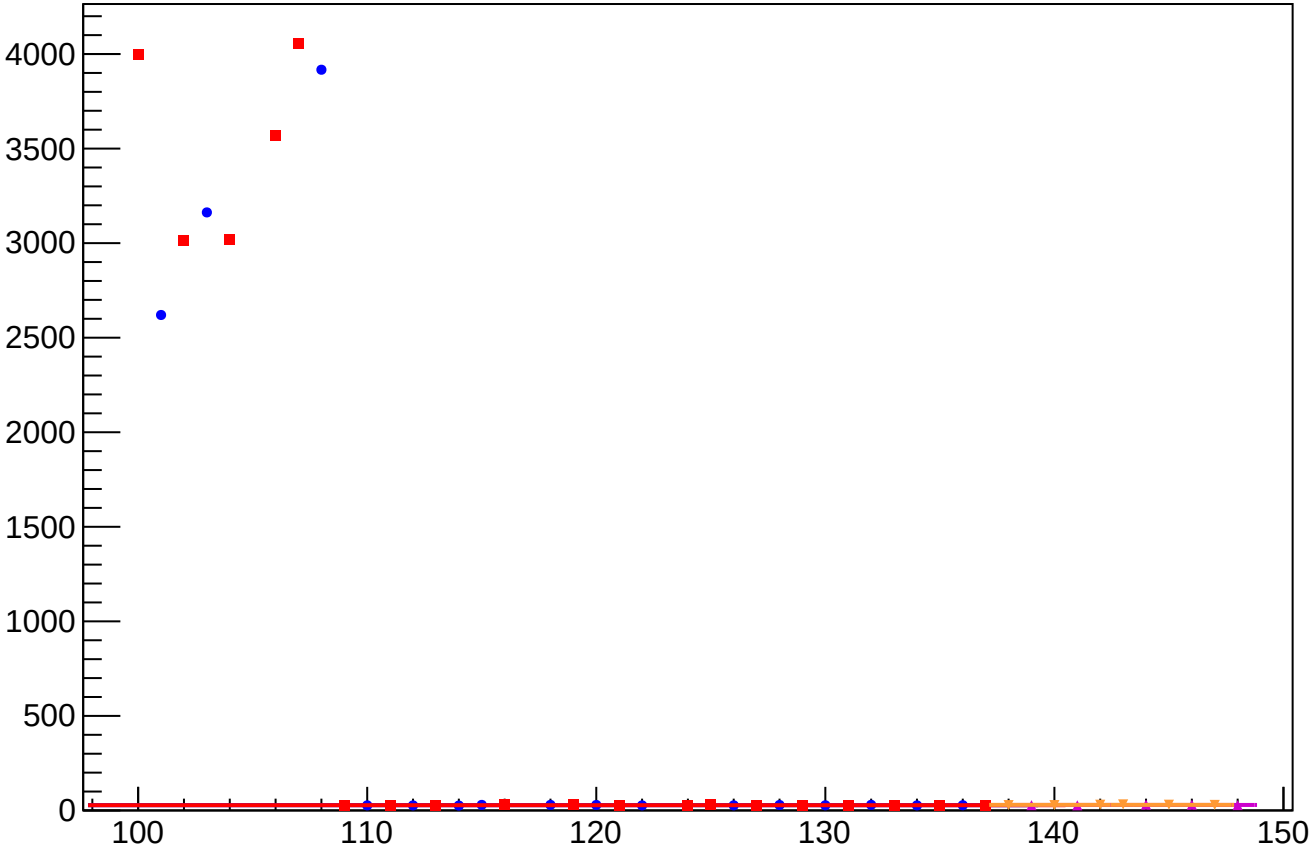
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.487+/-8.993 χ^2/NDF:20.0/20

Out: 18.284+/-9.058 χ^2/NDF:31.1/24

All: 14.357+/-6.382 χ^2/NDF: 51.5/45

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: 29.541+/-0.010 χ^2/NDF:18342.4/5

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

Left: 29.310+/-0.007 χ^2/NDF: 45152.6/10

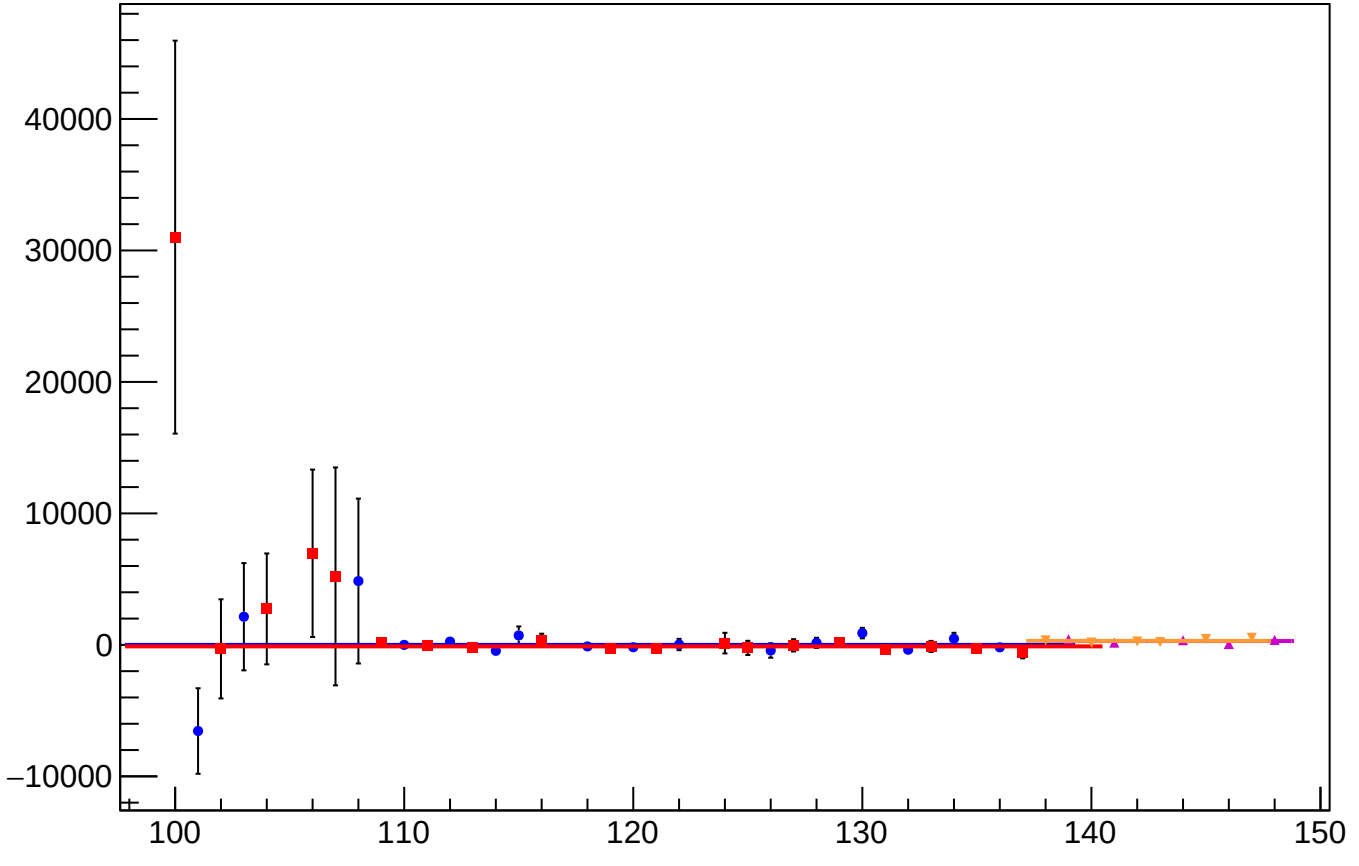
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.346+/-0.006 χ^2/NDF:3301069.7/20

Out: 28.505+/-0.006 χ^2/NDF:3595990.3/24

All: 28.425+/-0.005 χ^2/NDF: 6897370.6/45

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 303.533+/-121.784 χ^2/NDF:1.0/5

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 291.270+/-119.233 χ^2/NDF:1.2/4

Left: 297.272+/-85.198 χ^2/NDF: 2.2/10

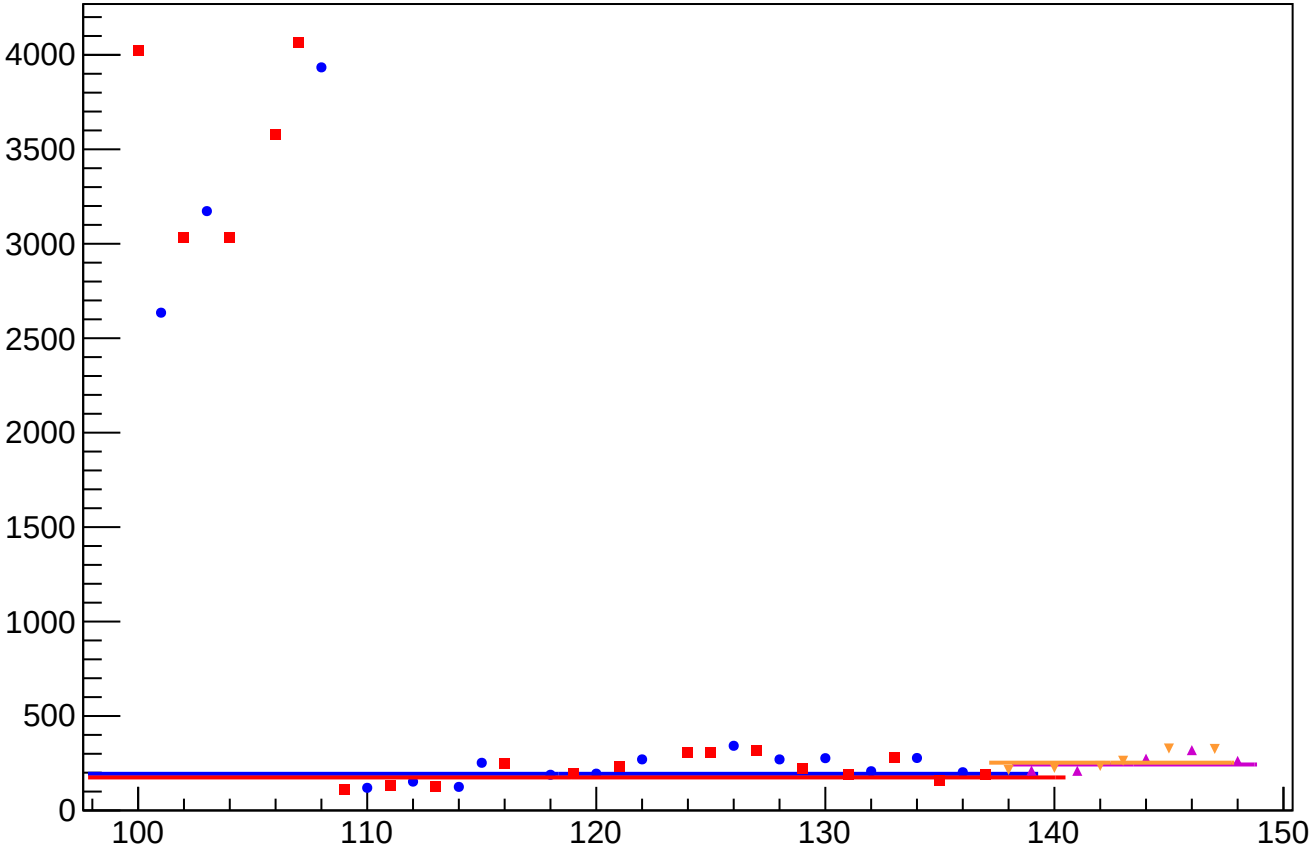
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 97.078+/-69.486 χ^2/NDF:23.5/20

Out: 8.322+/-66.249 χ^2/NDF:23.1/24

All: 50.584+/-47.949 χ^2/NDF: 47.5/45

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: 252.951+/-0.086 χ^2/NDF:248966.7/5

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 243.329+/-0.084 χ^2/NDF:213288.7/4

Left: 248.038+/-0.060 χ^2/NDF: 468629.8/10

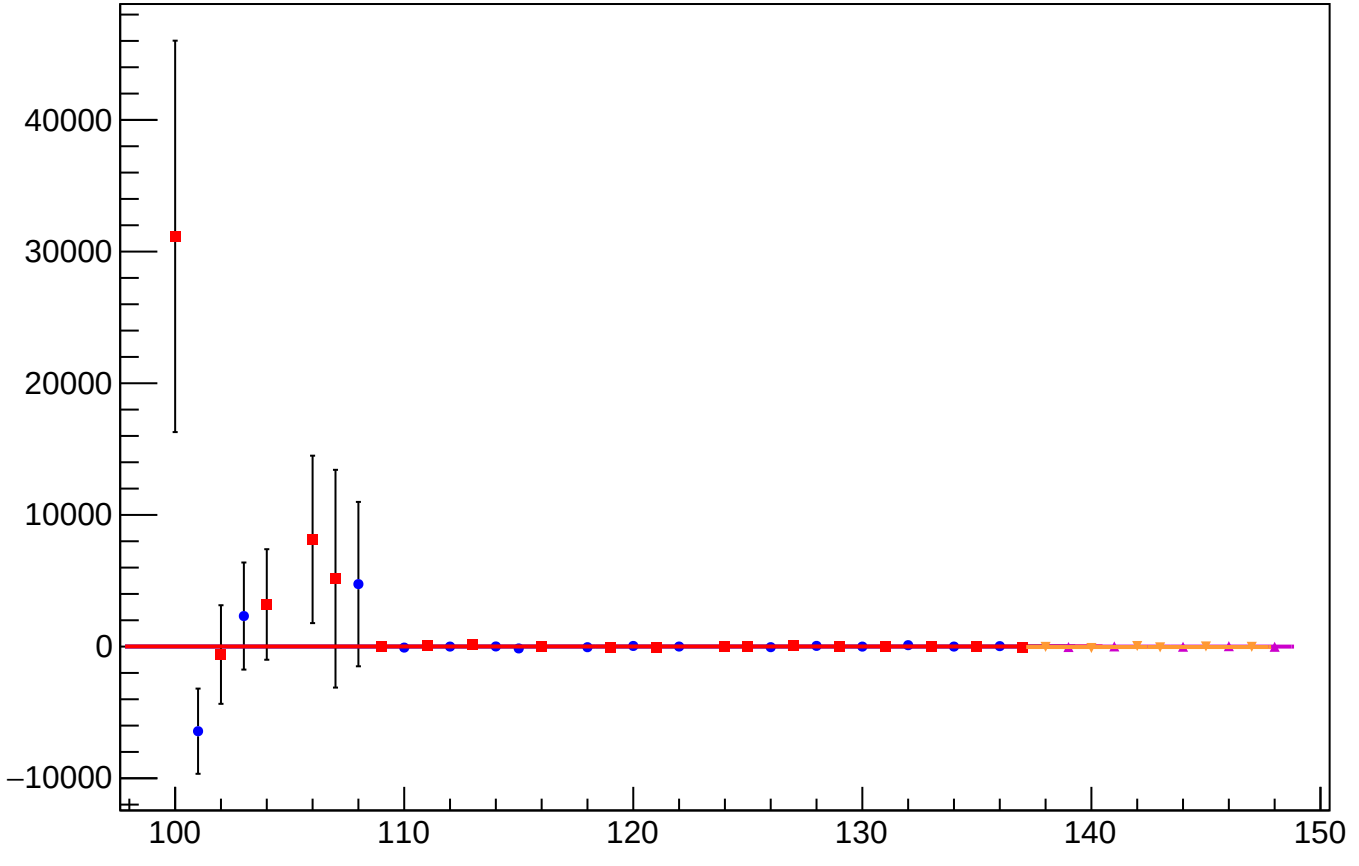
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 210.718+/-0.049 χ^2/NDF:4224307.0/20

Out: 197.912+/-0.047 χ^2/NDF:5088474.0/24

All: 204.010+/-0.034 χ^2/NDF: 9348366.4/45

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -32.656+/-16.519 χ^2/NDF:7.6/5

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 0.063+/-16.572 χ^2/NDF:1.8/4

Left: -16.348+/-11.699 χ^2/NDF: 11.4/10

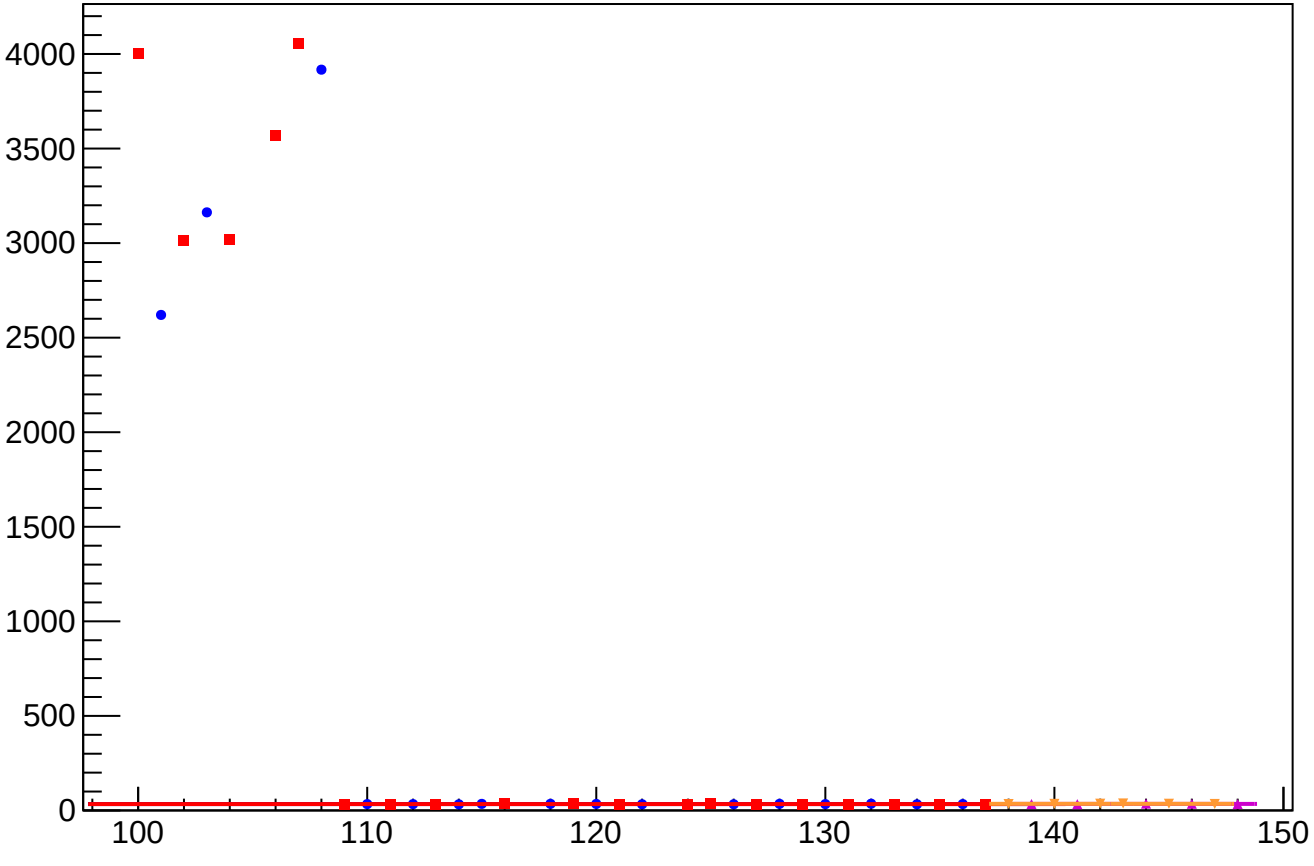
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 3.270+/-10.829 χ^2/NDF:19.3/20

Out: -8.464+/-10.869 χ^2/NDF:34.8/24

All: -2.575+/-7.671 χ^2/NDF: 54.8/45

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: 35.020+/-0.012 χ^2/NDF:7361.2/5

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.609+/-0.012 χ^2/NDF:7497.8/4

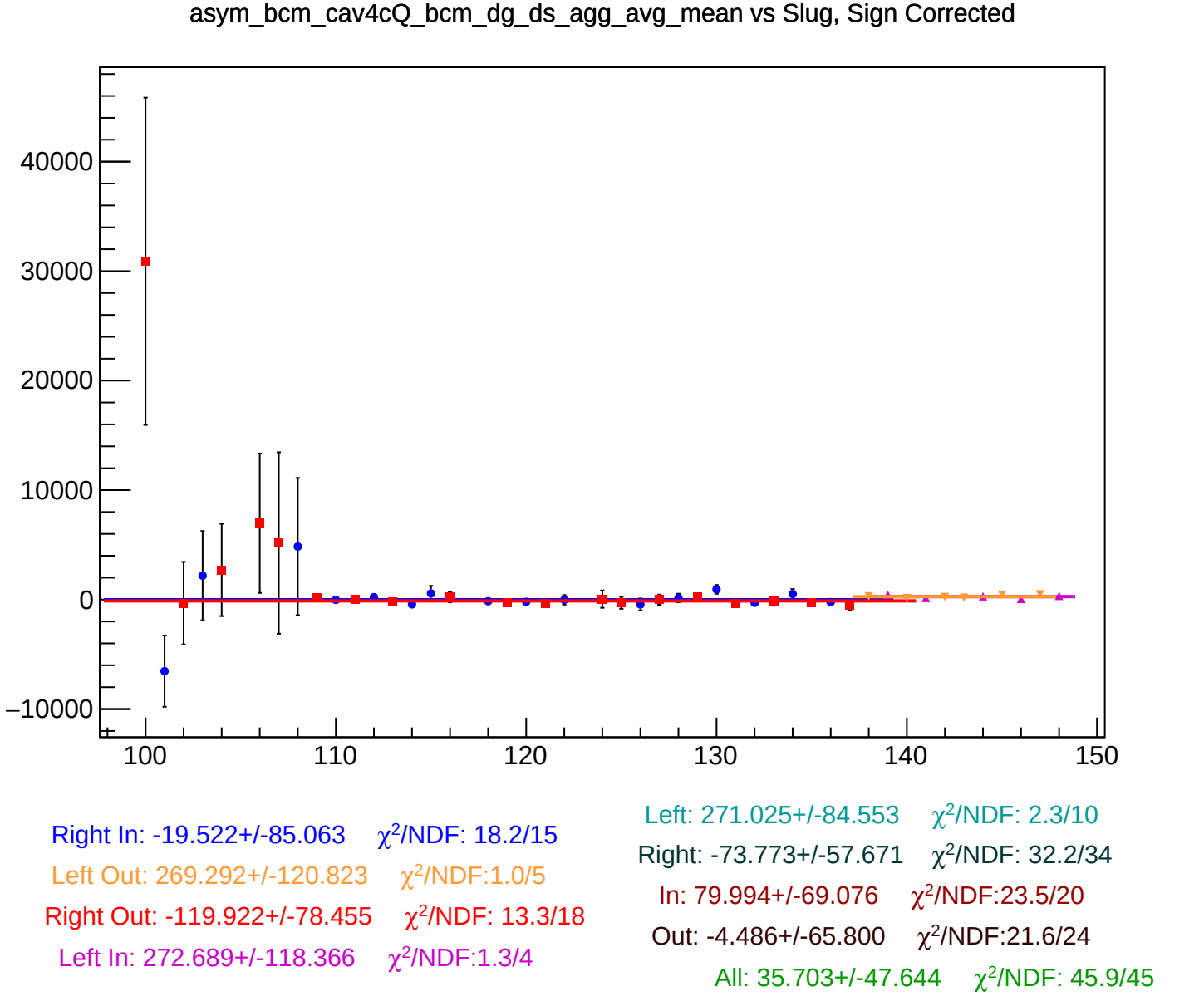
Left: 34.815+/-0.008 χ^2/NDF: 15476.4/10

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

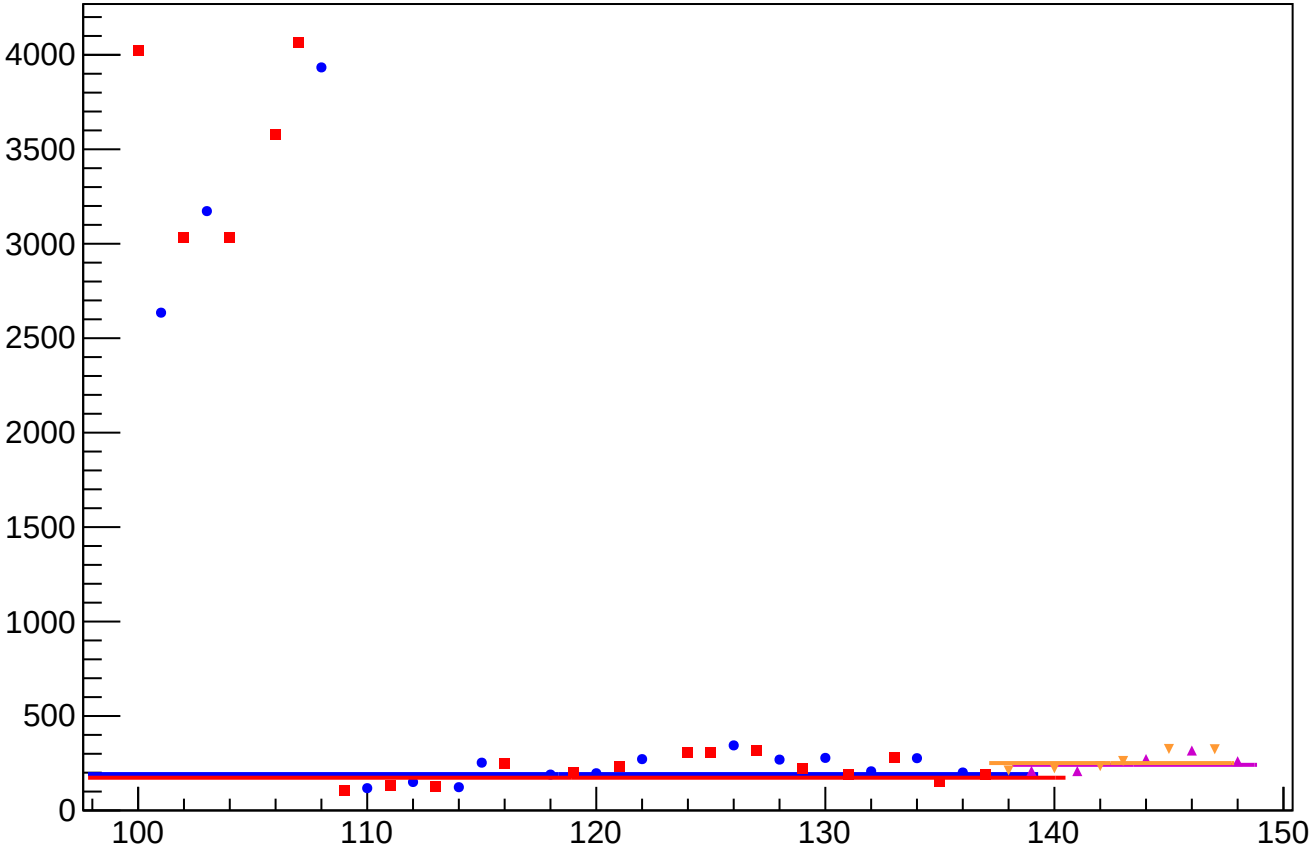
In: 34.202+/-0.008 χ^2/NDF:3253979.6/20

Out: 34.286+/-0.008 χ^2/NDF:3540781.9/24

All: 34.244+/-0.005 χ^2/NDF: 6794821.2/45


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -19.522+/-85.063 χ²/NDF: 18.2/15
Left Out: 269.292+/-120.823 χ²/NDF:1.0/5
Right Out: -119.922+/-78.455 χ²/NDF: 13.3/18
Left In: 272.689+/-118.366 χ²/NDF:1.3/4
Left: 271.025+/-84.553 χ²/NDF: 2.3/10
Right: -73.773+/-57.671 χ²/NDF: 32.2/34
In: 79.994+/-69.076 χ²/NDF:23.5/20
Out: -4.486+/-65.800 χ²/NDF:21.6/24
All: 35.703+/-47.644 χ²/NDF: 45.9/45

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: 250.865+/-0.085 χ^2/NDF:254056.6/5

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

Left: 246.089+/-0.060 χ^2/NDF: 474801.0/10

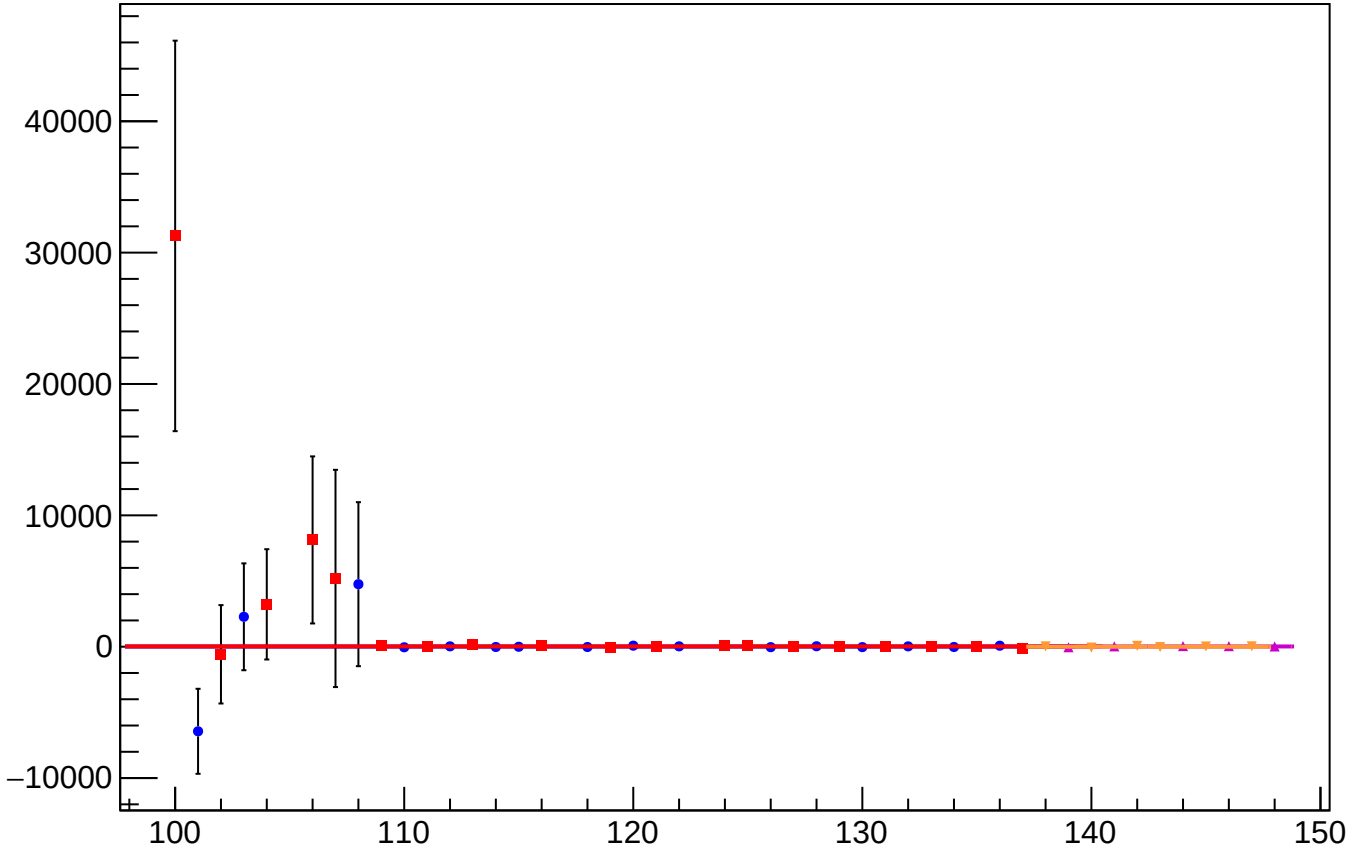
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 209.229+/-0.049 χ^2/NDF:4262929.2/20

Out: 196.269+/-0.047 χ^2/NDF:5142032.7/24

All: 202.434+/-0.034 χ^2/NDF: 9441874.2/45

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.031+/-15.209 χ^2/NDF:7.4/5

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 18.669+/-15.161 χ^2/NDF:4.3/4

Left: 9.380+/-10.737 χ^2/NDF: 12.5/10

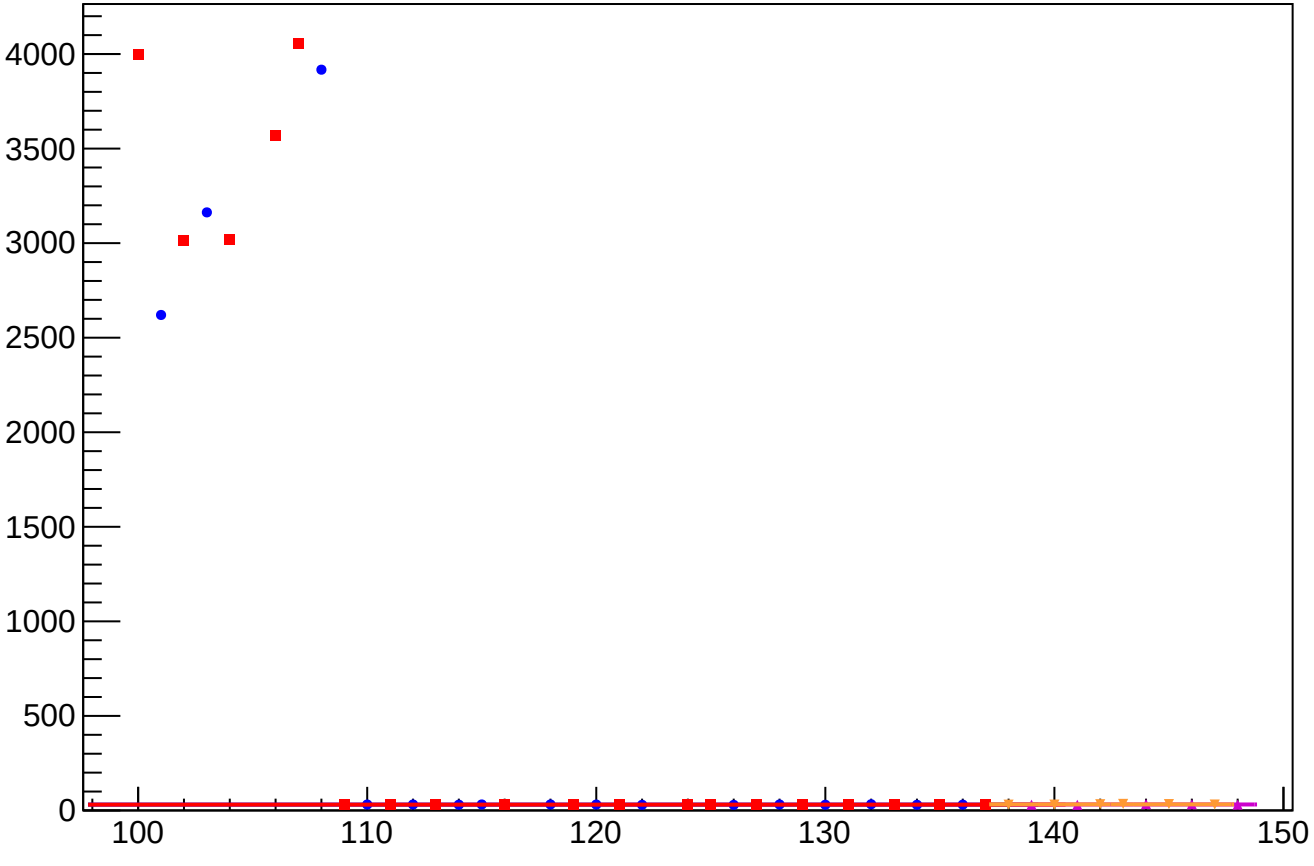
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 15.824+/-9.896 χ^2/NDF:19.8/20

Out: 13.279+/-9.961 χ^2/NDF:37.4/24

All: 14.560+/-7.020 χ^2/NDF: 57.3/45

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: 32.195+/-0.011 χ^2/NDF:19166.9/5

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.634+/-0.011 χ^2/NDF:18538.4/4

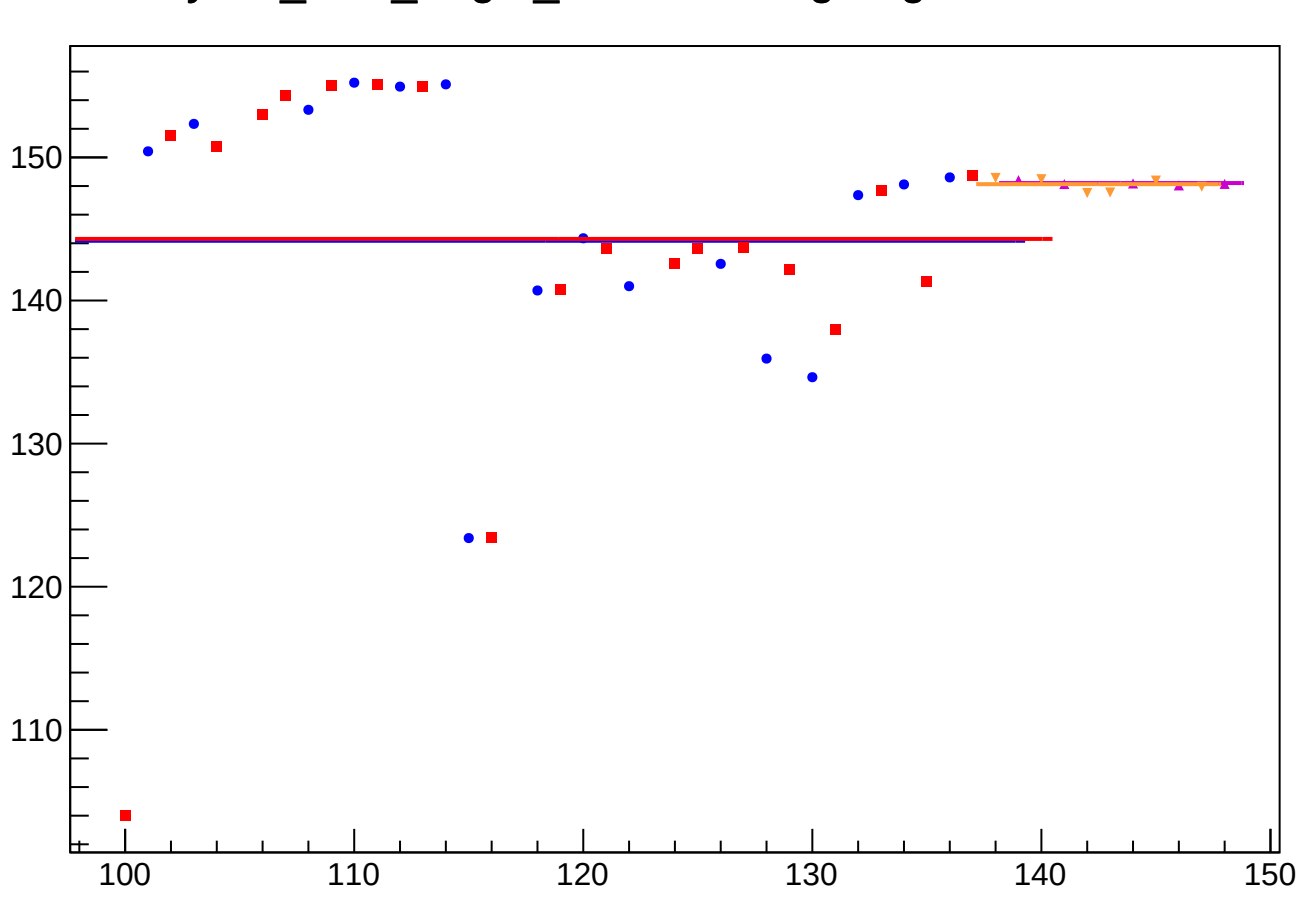
Left: 31.914+/-0.008 χ^2/NDF: 39070.7/10

Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

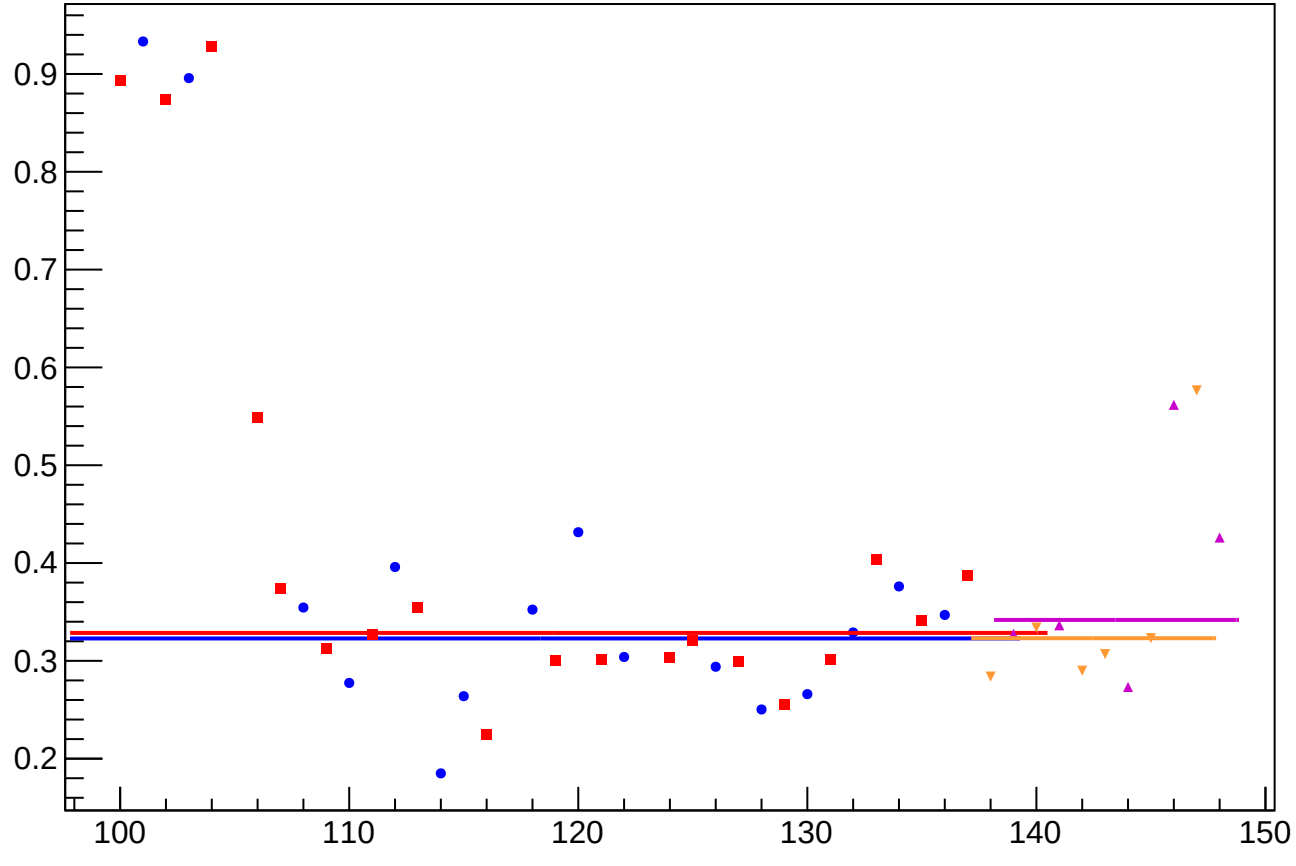
In: 31.229+/-0.007 χ^2/NDF:3273635.6/20

Out: 31.385+/-0.007 χ^2/NDF:3565337.3/24

All: 31.307+/-0.005 χ^2/NDF: 6839220.4/45


yield_bcm_target_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 148.131+/-0.000 χ²/NDF:7852915.0/5
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 148.209+/-0.000 χ²/NDF:440457.7/4
Left: 148.167+/-0.000 χ²/NDF: 8404418.2/10
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 145.670+/-0.000 χ²/NDF:4068968679.9/20
Out: 145.875+/-0.000 χ²/NDF:4611698916.3/24
All: 145.775+/-0.000 χ²/NDF: 8682631424.0

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.323+/-0.000 χ^2/NDF:343177.3/5

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.342+/-0.000 χ^2/NDF:430636.3/4

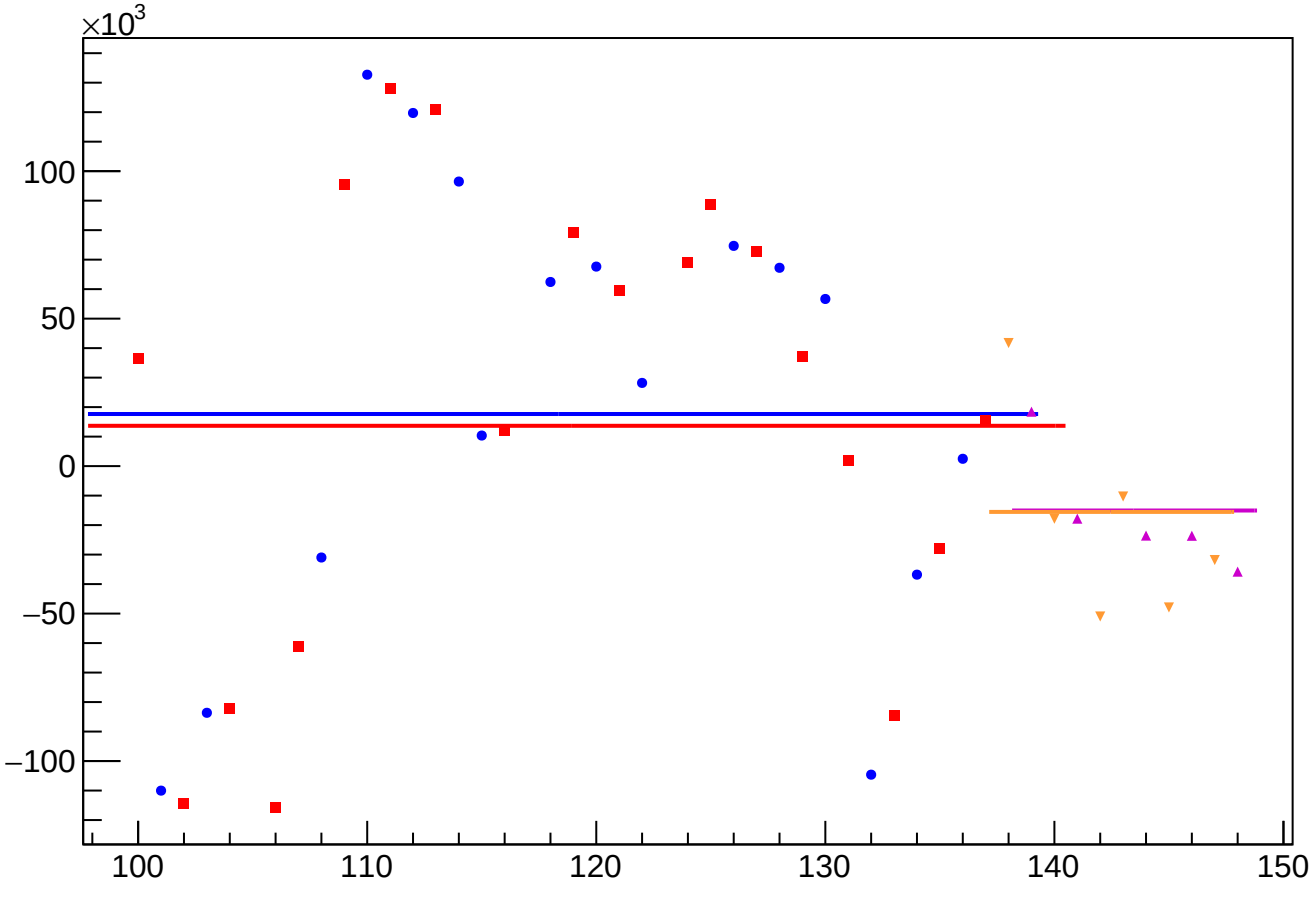
Left: 0.332+/-0.000 χ^2/NDF: 786467.9/10

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.330+/-0.000 χ^2/NDF:1841843.5/20

Out: 0.326+/-0.000 χ^2/NDF:1648687.1/24

All: 0.328+/-0.000 χ^2/NDF: 3491714.7/45



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -15527.284+/-2.439 χ^2/NDF:177325290.8/5

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -15054.403+/-2.523 χ^2/NDF:56421506.2/4

Left: -15298.846+/-1.754 χ^2/NDF: 233764952.4/10

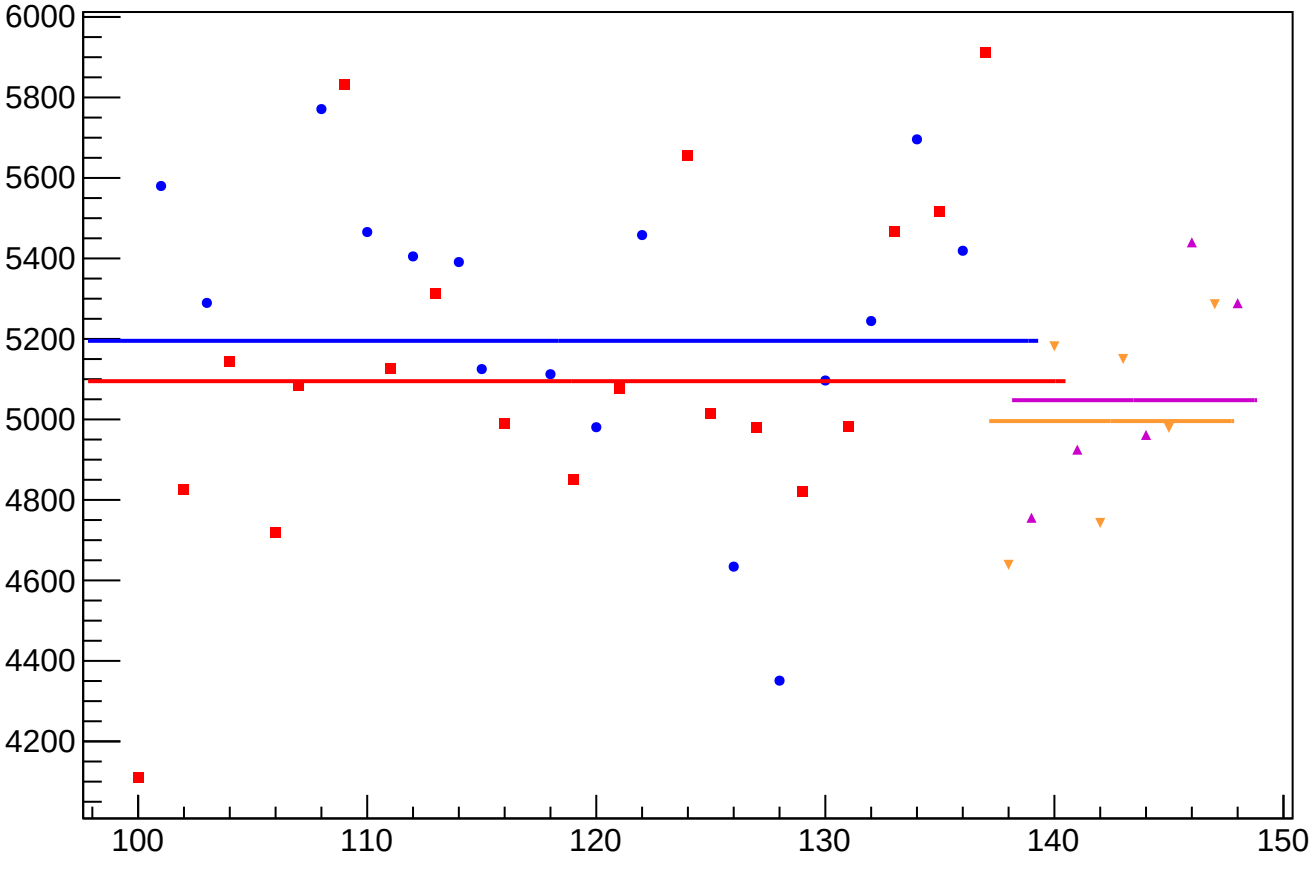
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 4996.825+/-1.570 χ^2/NDF:1558200143.5/20

Out: 2462.995+/-1.511 χ^2/NDF:2122557598.3/24

All: 3681.459+/-1.089 χ^2/NDF: 3682109864.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4995.909+/-1.725 χ^2/NDF:19192.9/5

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 5047.796+/-1.784 χ^2/NDF:19091.3/4

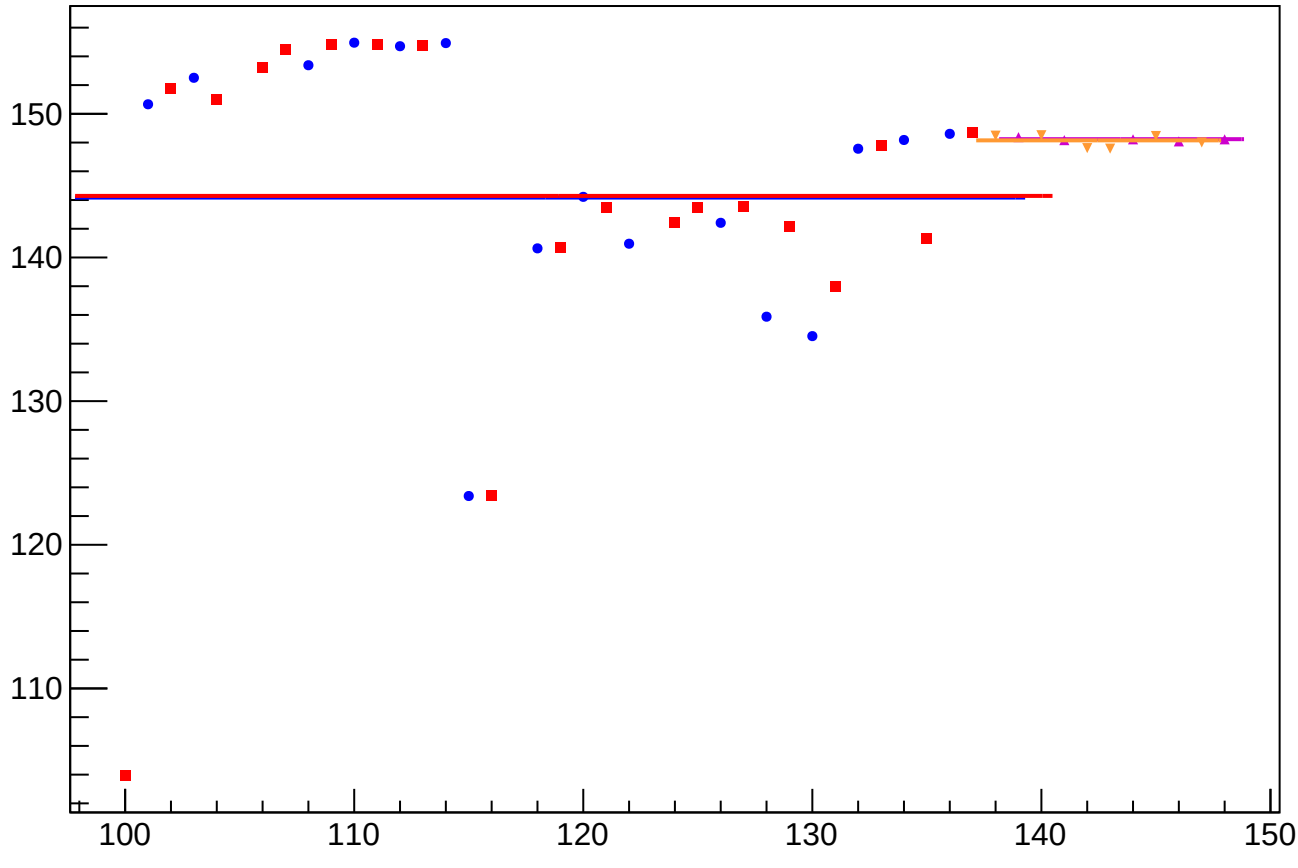
Left: 5020.974+/-1.240 χ^2/NDF: 38721.4/10

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5138.192+/-1.110 χ^2/NDF:100445.7/20

Out: 5057.002+/-1.068 χ^2/NDF:80340.8/24

All: 5096.045+/-0.770 χ^2/NDF: 183563.1/45



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.153+/-0.000 χ^2/NDF:6902540.0/5

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.236+/-0.000 χ^2/NDF:253555.0/4

Left: 148.191+/-0.000 χ^2/NDF: 7281579.4/10

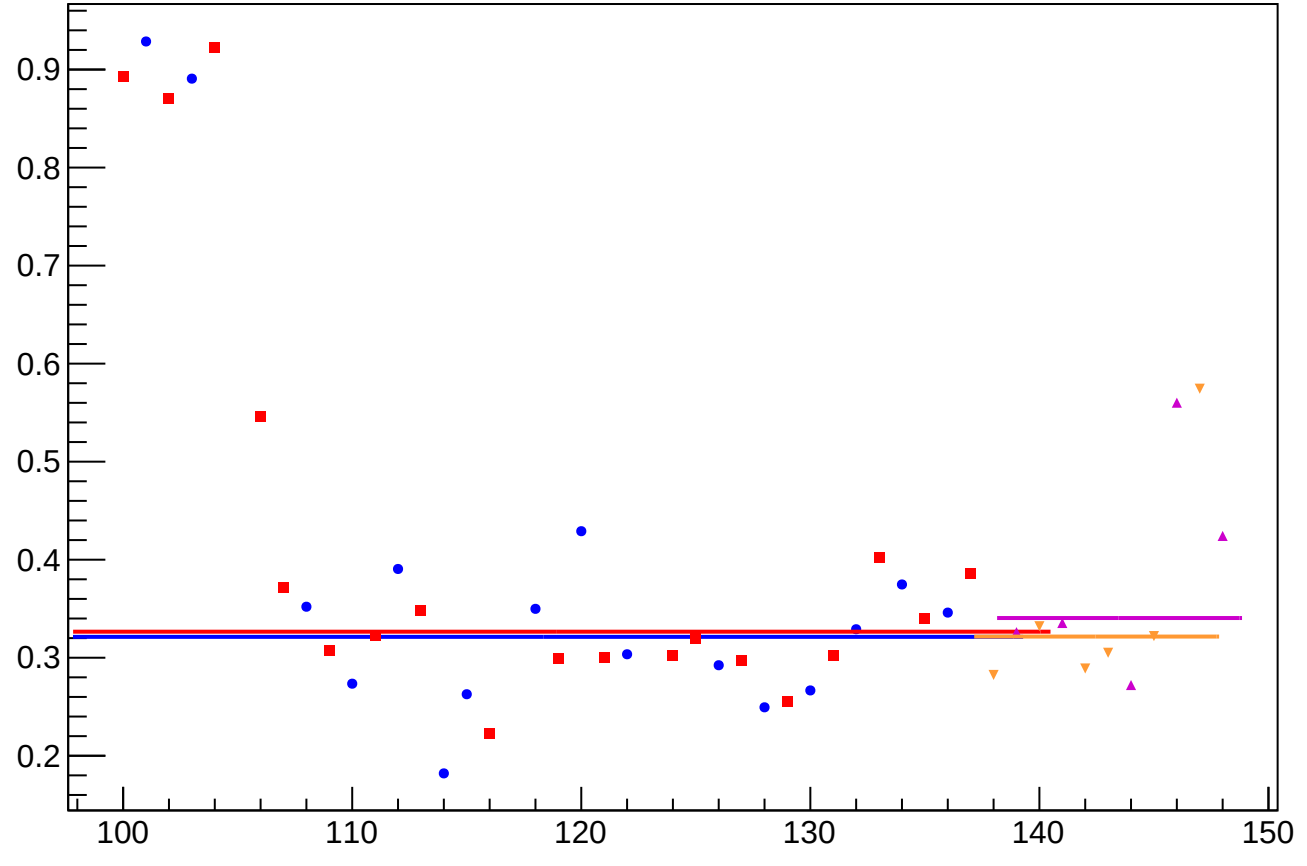
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.675+/-0.000 χ^2/NDF:4117253031.3/20

Out: 145.872+/-0.000 χ^2/NDF:4647435102.7/24

All: 145.776+/-0.000 χ^2/NDF: 8766514087.0

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.322+/-0.000 χ^2/NDF:343977.9/5

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.340+/-0.000 χ^2/NDF:431586.9/4

Left: 0.330+/-0.000 χ^2/NDF: 788628.4/10

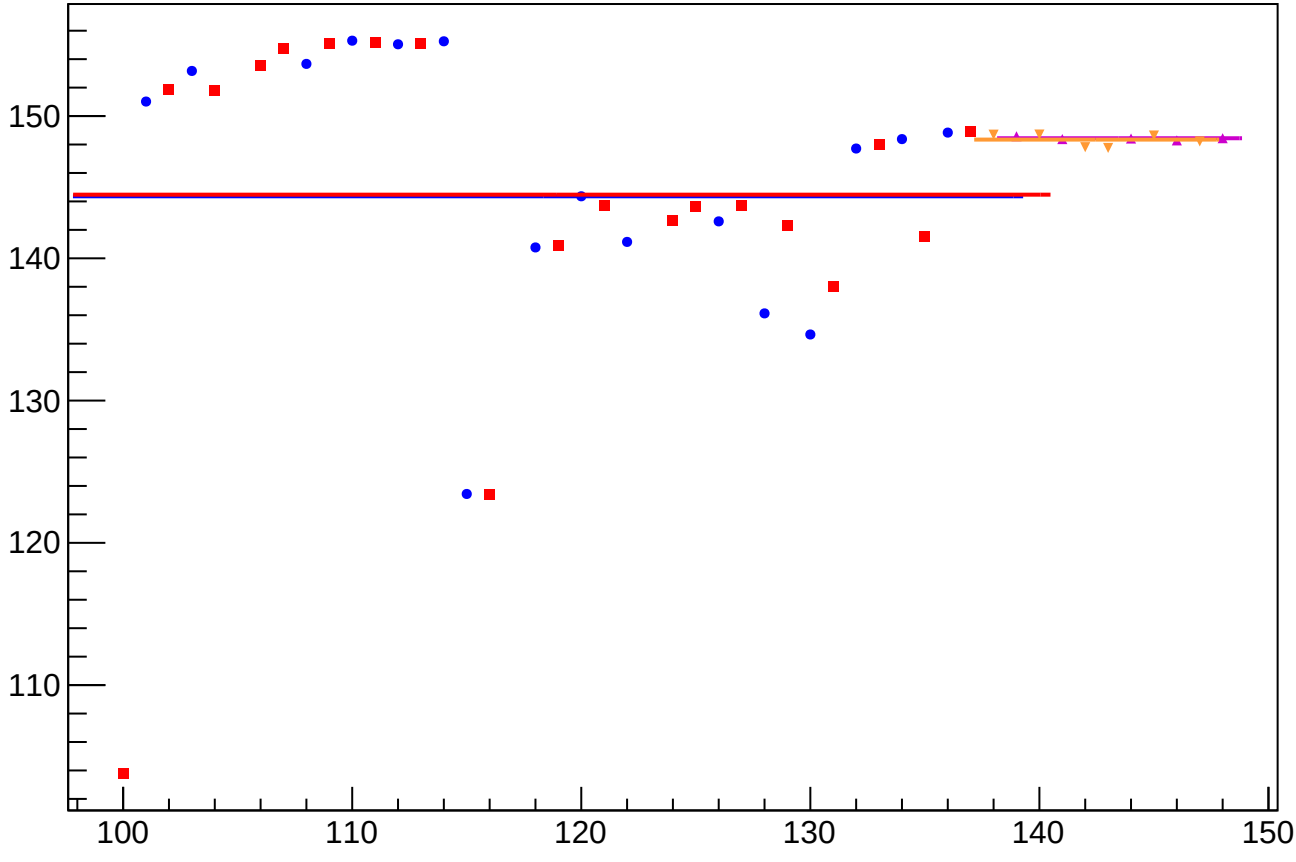
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.328+/-0.000 χ^2/NDF:1843562.4/20

Out: 0.325+/-0.000 χ^2/NDF:1647869.0/24

All: 0.326+/-0.000 χ^2/NDF: 3492843.0/45

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.346+/-0.000 χ^2/NDF:6924285.9/5

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.441+/-0.000 χ^2/NDF:239251.9/4

Left: 148.390+/-0.000 χ^2/NDF: 7327085.0/10

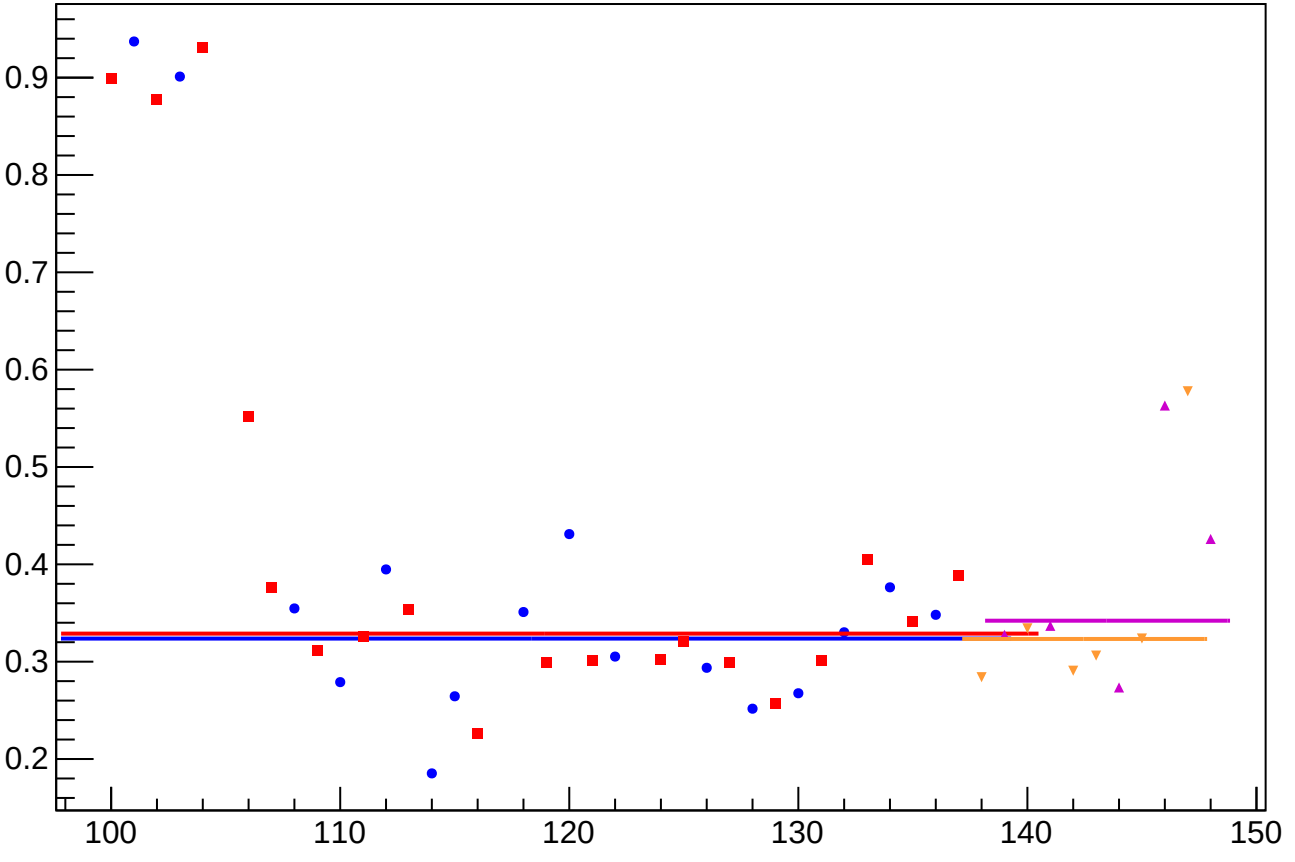
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.874+/-0.000 χ^2/NDF:4109746325.9/20

Out: 146.065+/-0.000 χ^2/NDF:4635844902.7/24

All: 145.972+/-0.000 χ^2/NDF: 8747269801.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.323+/-0.000 χ^2/NDF:344438.5/5

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.342+/-0.000 χ^2/NDF:431453.6/4

Left: 0.332+/-0.000 χ^2/NDF: 788612.2/10

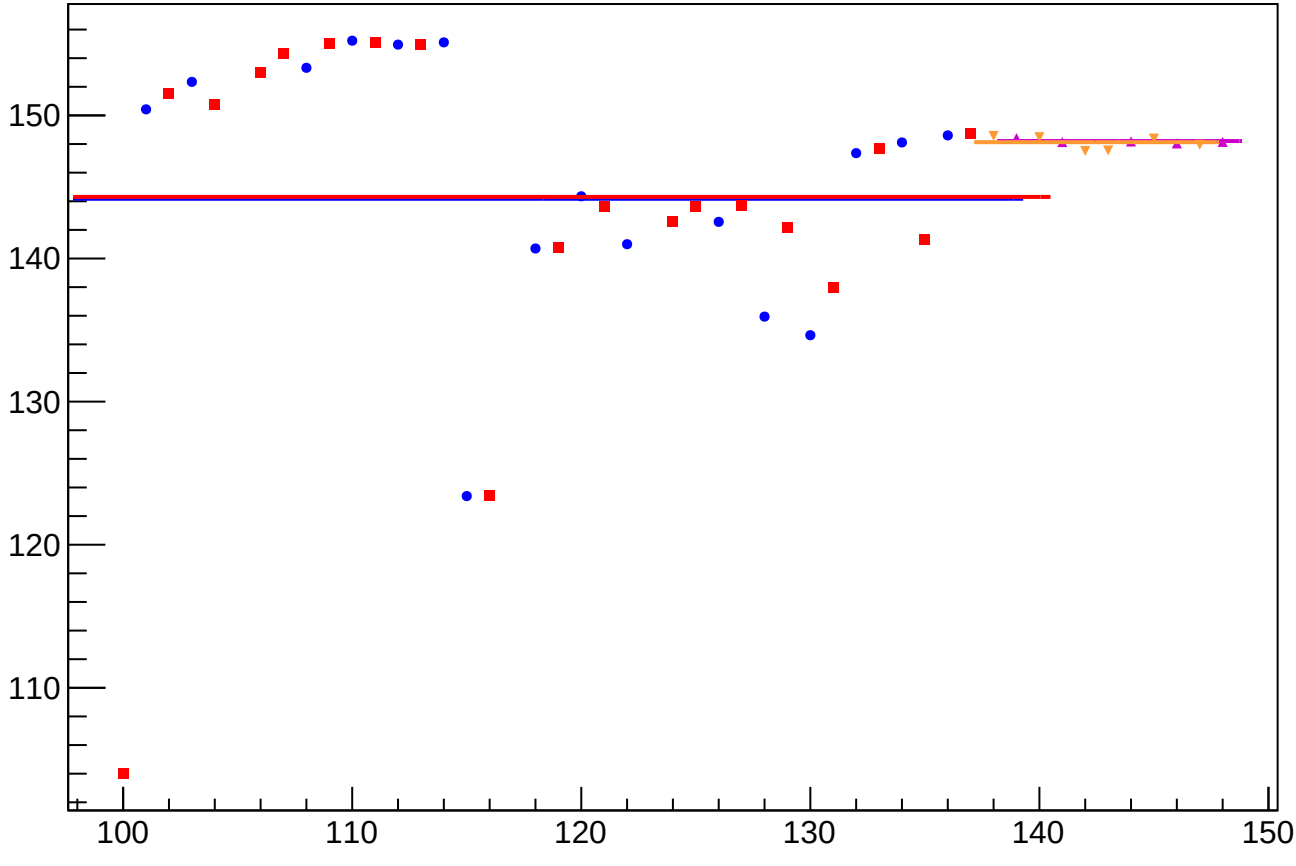
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.331+/-0.000 χ^2/NDF:1838062.0/20

Out: 0.327+/-0.000 χ^2/NDF:1649054.4/24

All: 0.328+/-0.000 χ^2/NDF: 3488575.8/45

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.131+/-0.000 χ^2/NDF:7852915.0/5

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.209+/-0.000 χ^2/NDF:440457.7/4

Left: 148.167+/-0.000 χ^2/NDF: 8404418.2/10

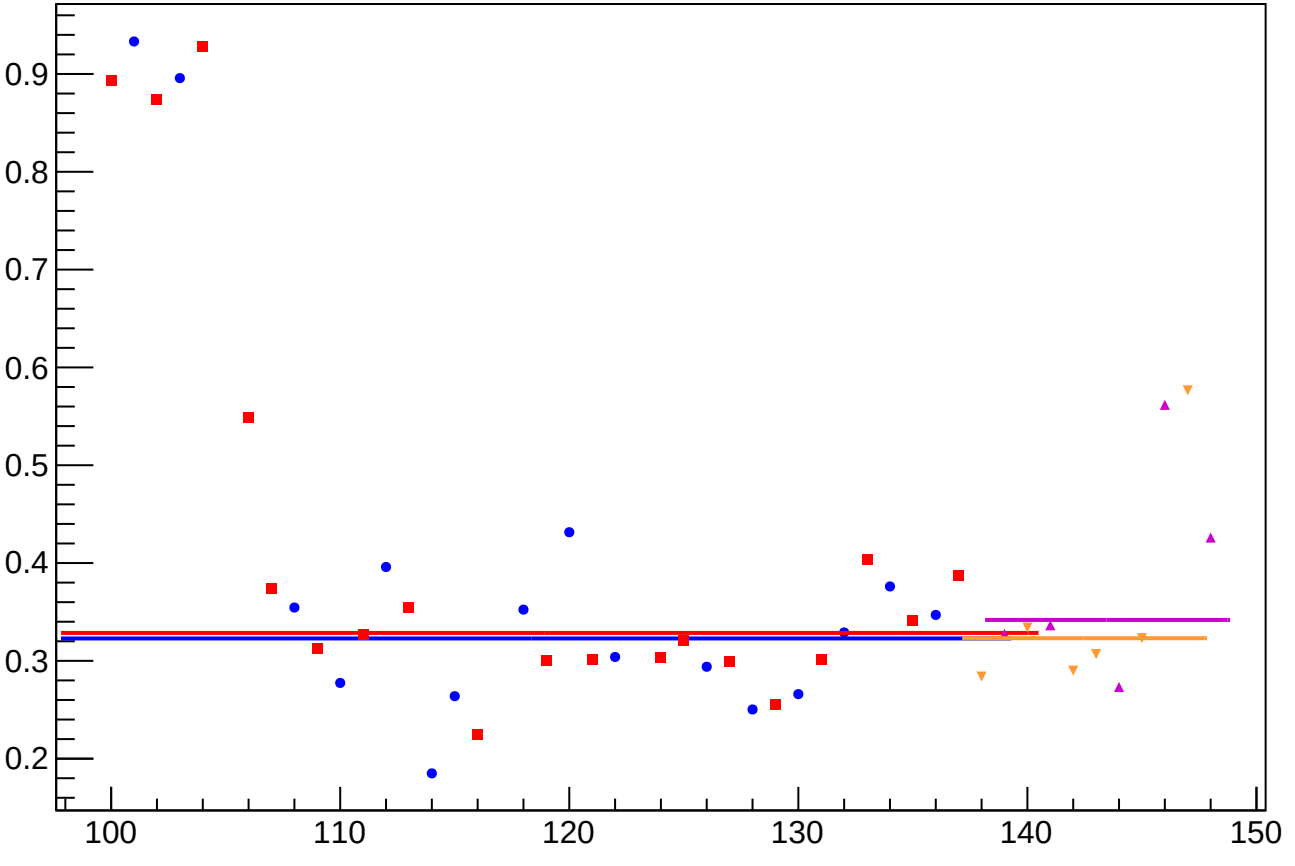
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.670+/-0.000 χ^2/NDF:4068968679.9/20

Out: 145.875+/-0.000 χ^2/NDF:4611698916.3/24

All: 145.775+/-0.000 χ^2/NDF: 8682631424.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.323+/-0.000 χ^2/NDF:343177.3/5

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.342+/-0.000 χ^2/NDF:430636.3/4

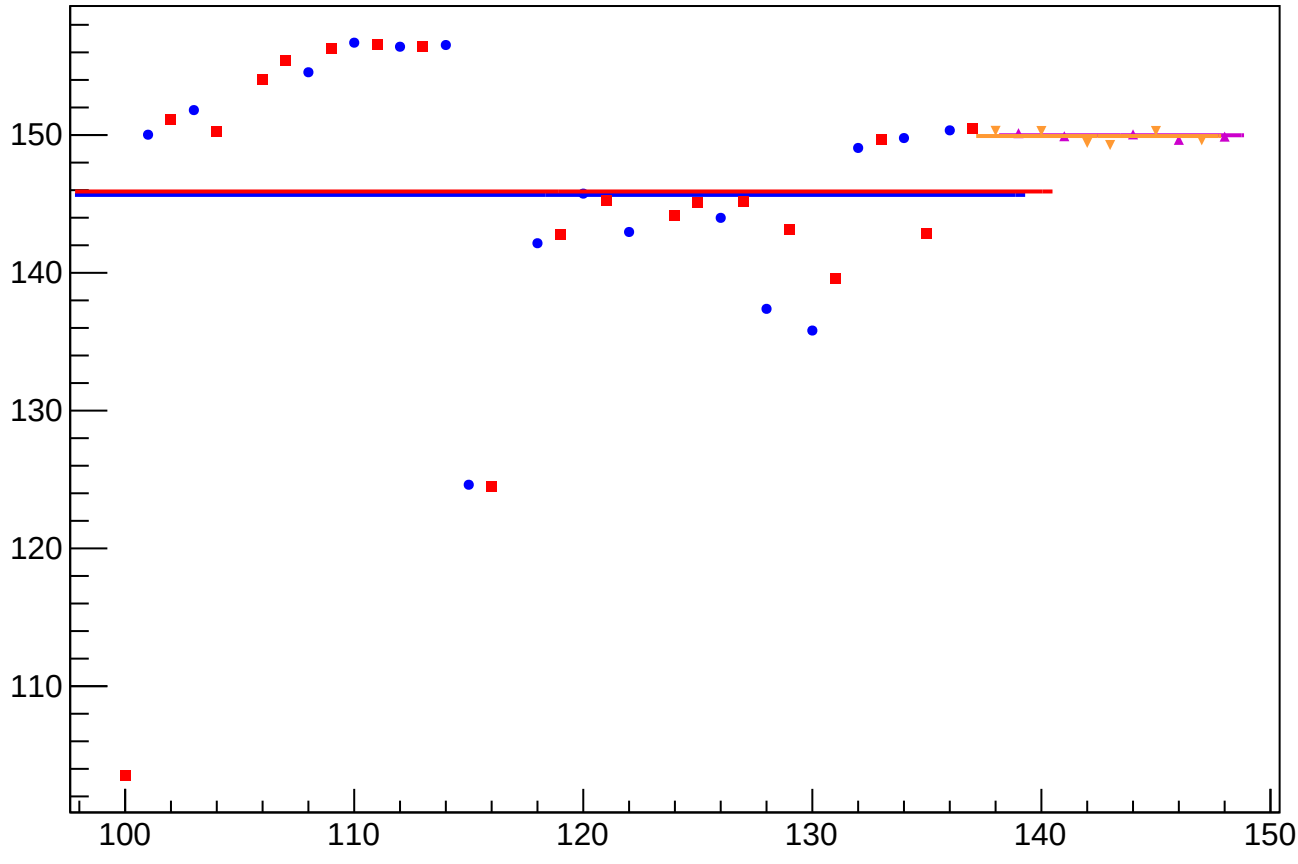
Left: 0.332+/-0.000 χ^2/NDF: 786467.9/10

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.330+/-0.000 χ^2/NDF:1841843.5/20

Out: 0.326+/-0.000 χ^2/NDF:1648687.1/24

All: 0.328+/-0.000 χ^2/NDF: 3491714.7/45



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.929+/-0.000 χ^2/NDF:7033387.5/5

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 149.984+/-0.000 χ^2/NDF:522380.3/4

Left: 149.954+/-0.000 χ^2/NDF: 7603421.8/10

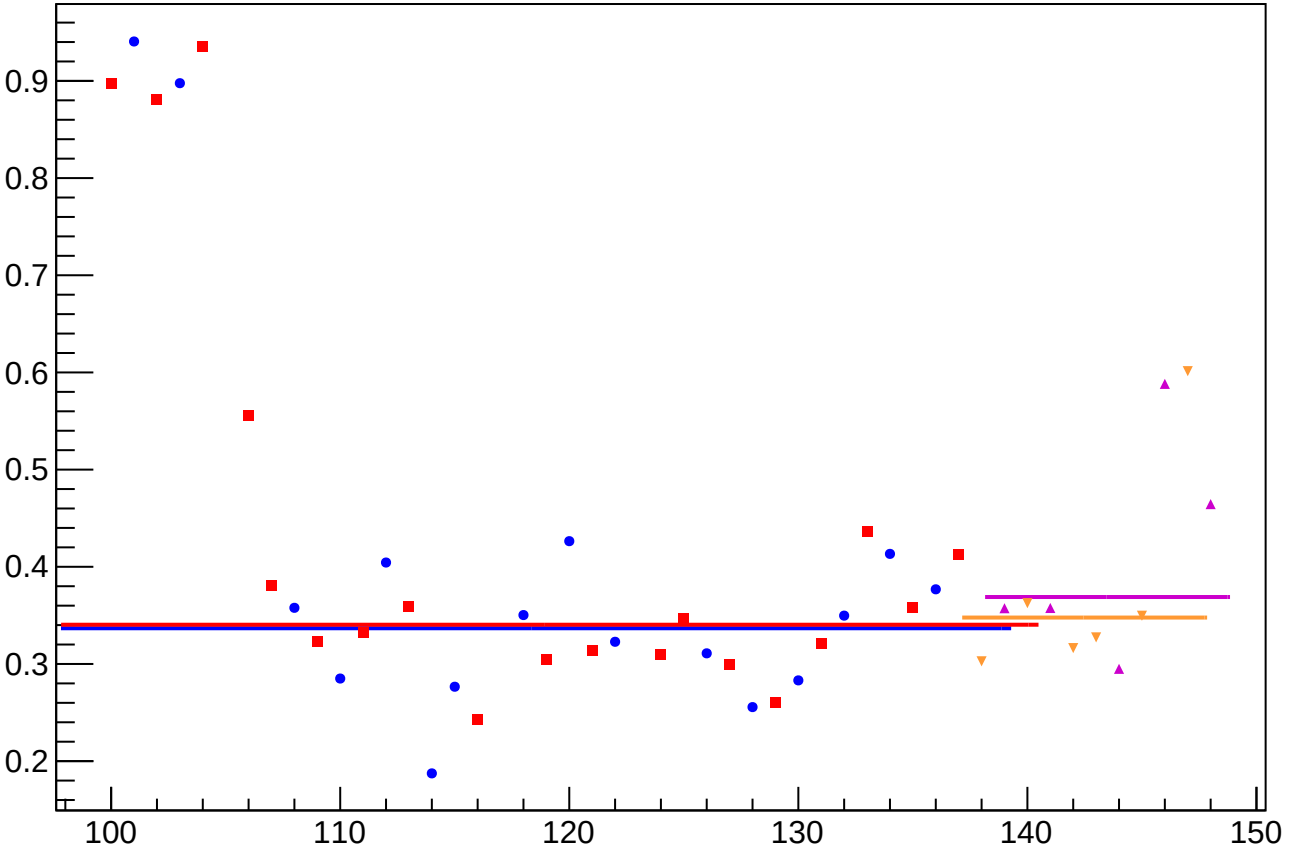
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.193+/-0.000 χ^2/NDF:3830653549.4/20

Out: 147.476+/-0.000 χ^2/NDF:4202576981.2/24

All: 147.339+/-0.000 χ^2/NDF: 8036582900.3

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.348+/-0.000 χ^2/NDF:322496.7/5

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.369+/-0.000 χ^2/NDF:410757.5/4

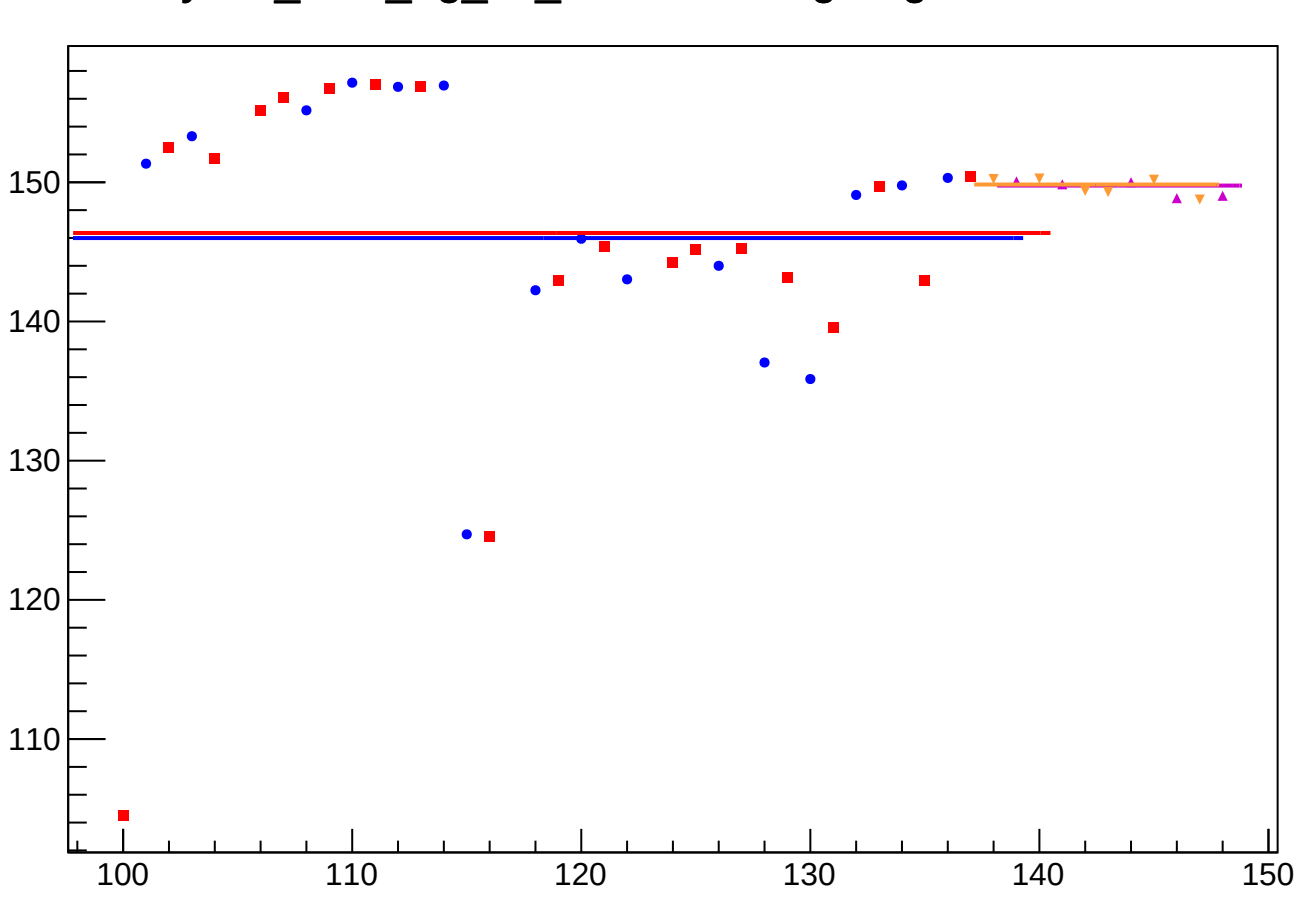
Left: 0.358+/-0.000 χ^2/NDF: 747142.7/10

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.348+/-0.000 χ^2/NDF:1819755.7/20

Out: 0.343+/-0.000 χ^2/NDF:1599448.3/24

All: 0.346+/-0.000 χ^2/NDF: 3421209.6/45



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.840+/-0.000 χ^2/NDF:8512108.7/5

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.764+/-0.000 χ^2/NDF:5126976.7/4

Left: 149.805+/-0.000 χ^2/NDF: 13727680.1/10

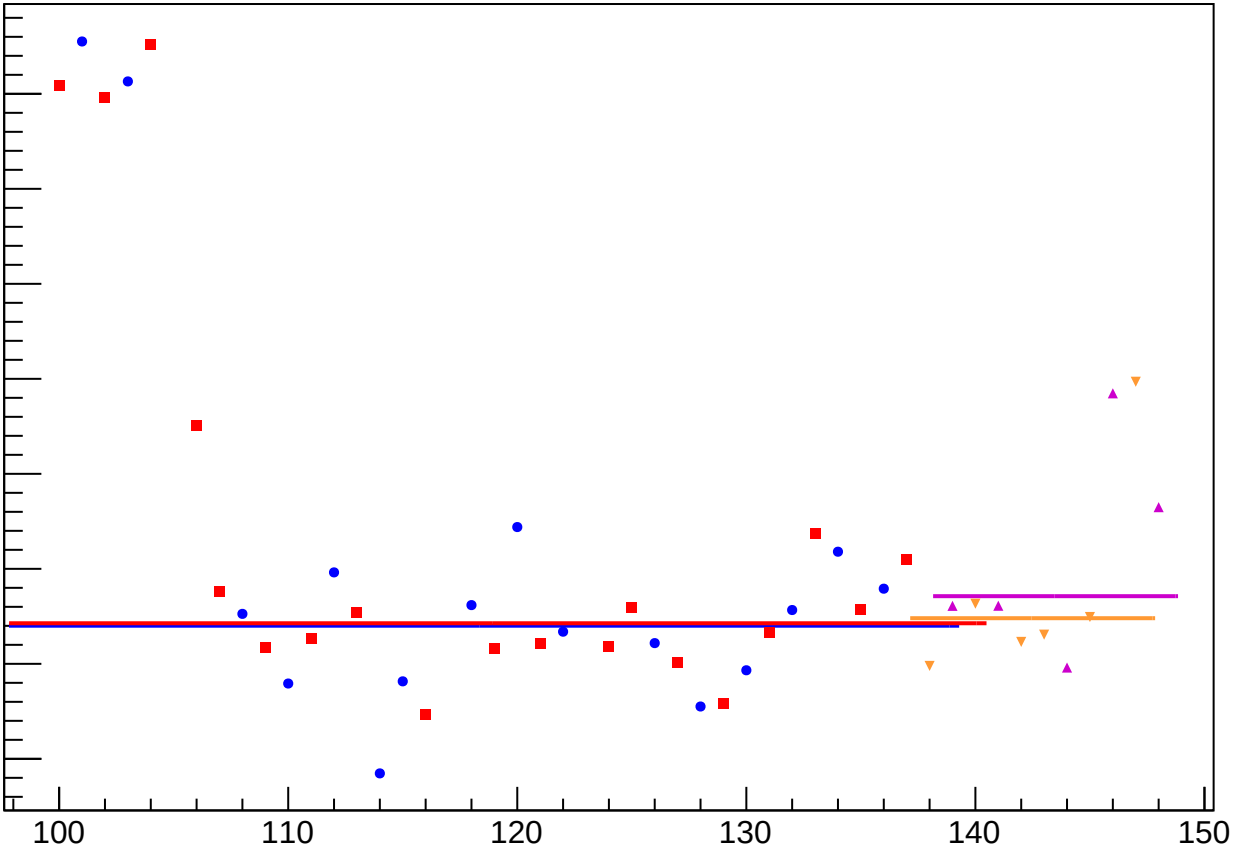
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.339+/-0.000 χ^2/NDF:3886972260.8/20

Out: 147.727+/-0.000 χ^2/NDF:4218106213.4/24

All: 147.539+/-0.000 χ^2/NDF: 8111256329.7

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.348+/-0.000 χ^2/NDF:320222.4/5

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.371+/-0.000 χ^2/NDF:399235.3/4

Left: 0.359+/-0.000 χ^2/NDF: 735989.2/10

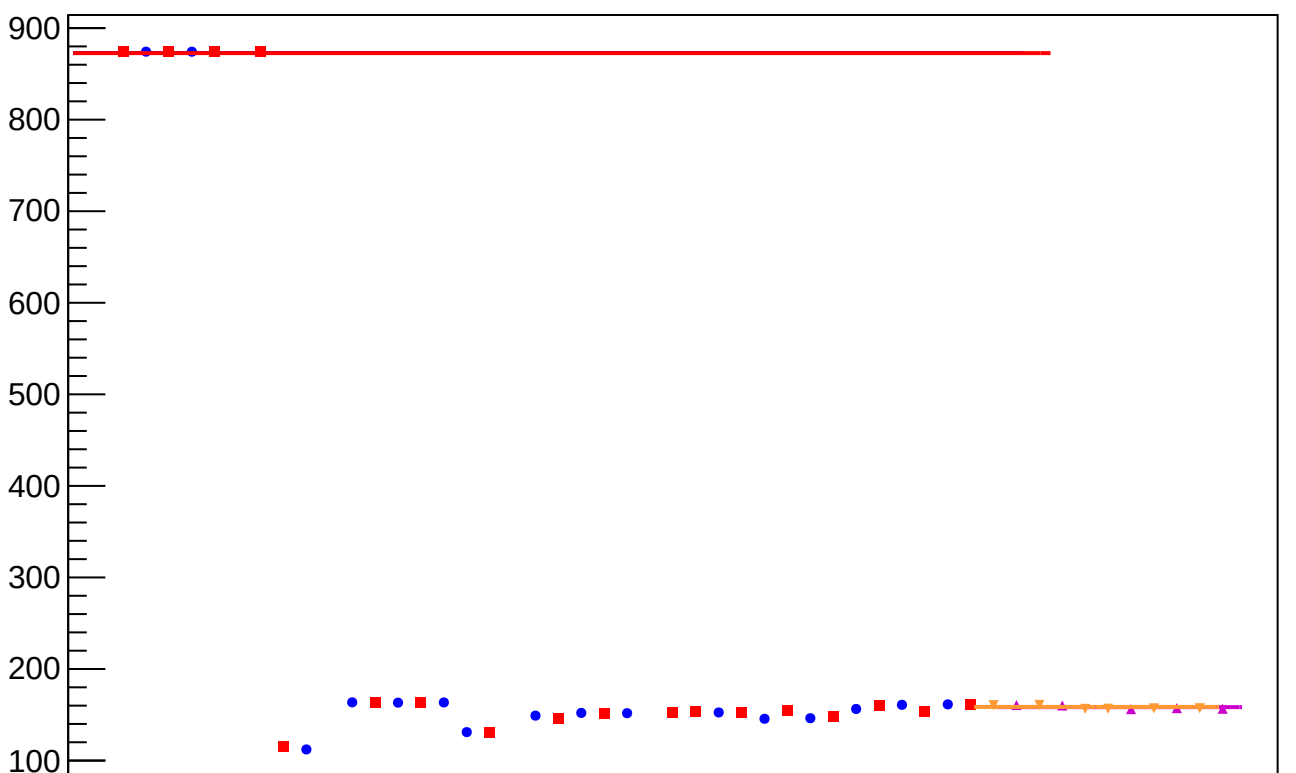
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.351+/-0.000 χ^2/NDF:1827760.2/20

Out: 0.345+/-0.000 χ^2/NDF:1592106.9/24

All: 0.348+/-0.000 χ^2/NDF: 3423283.5/45

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.589+/-0.000 χ^2/NDF:26335526.2/5

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 158.372+/-0.000 χ^2/NDF:26049047.1/4

Left: 158.485+/-0.000 χ^2/NDF: 52549516.4/10

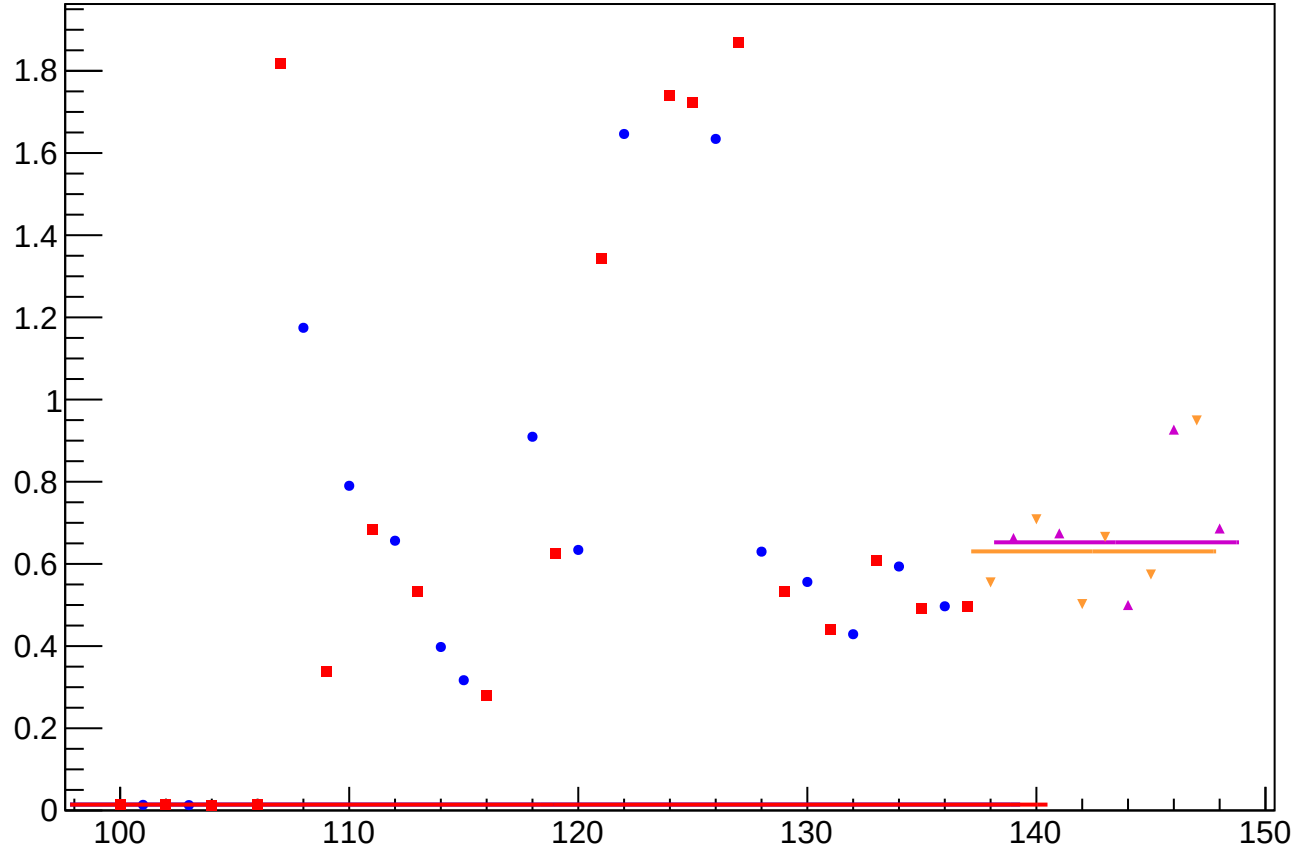
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.155+/-0.000 χ^2/NDF:10584245783809.8/2

Out: 872.044+/-0.000 χ^2/NDF:12870310324991.5

All: 872.096+/-0.000 χ^2/NDF: 234546034132

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.630+/-0.000 χ^2/NDF:204911.6/5

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.653+/-0.000 χ^2/NDF:190385.4/4

Left: 0.641+/-0.000 χ^2/NDF: 398693.3/10

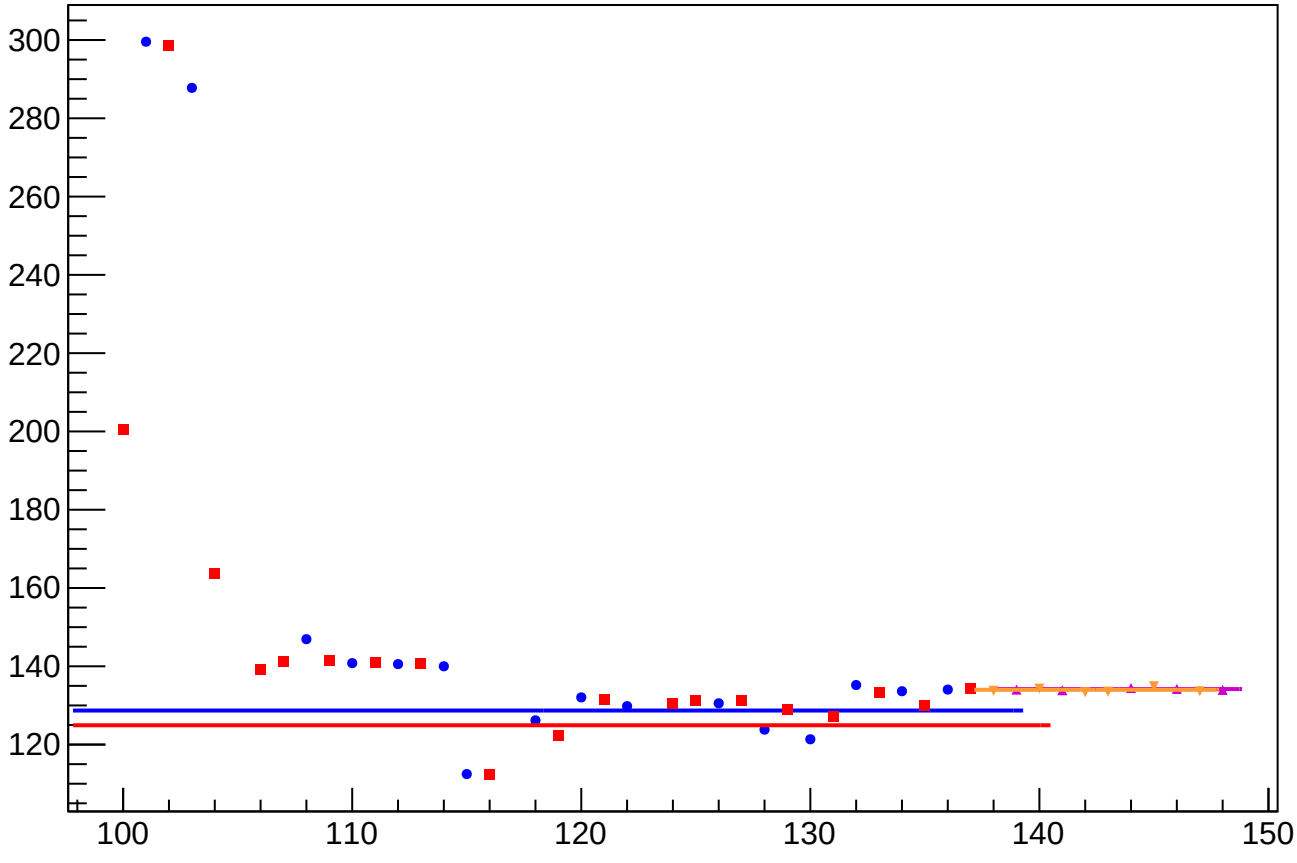
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:15226641.9/20

Out: 0.015+/-0.000 χ^2/NDF:15129898.1/24

All: 0.015+/-0.000 χ^2/NDF: 30356819.2/45

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.000+/-0.000 χ^2/NDF:6171557.8/5

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.185+/-0.000 χ^2/NDF:704578.7/4

Left: 134.083+/-0.000 χ^2/NDF: 7140428.1/10

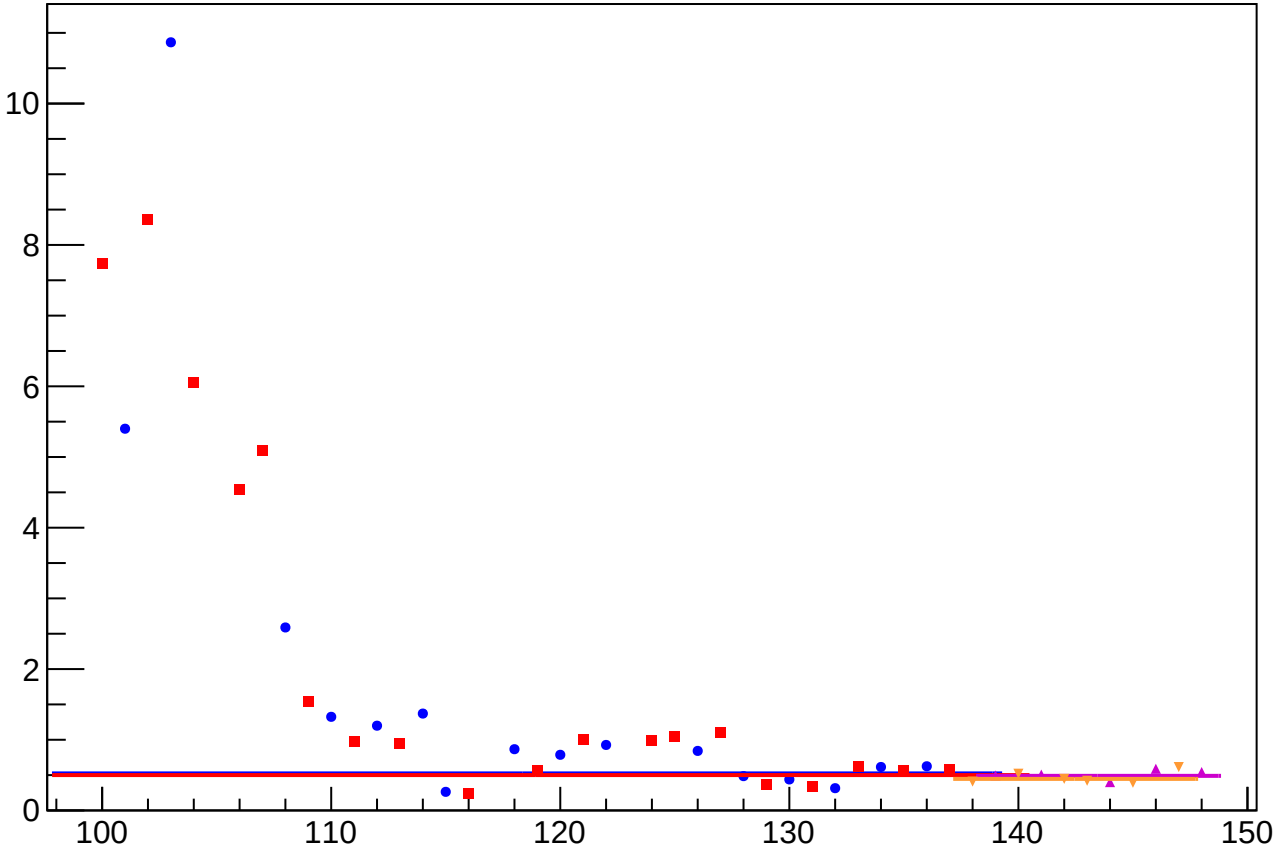
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.508+/-0.000 χ^2/NDF:1862684884.1/20

Out: 129.943+/-0.000 χ^2/NDF:2040938117.6/24

All: 130.673+/-0.000 χ^2/NDF: 3939455719.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.446+/-0.000 χ^2/NDF:173806.3/5

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.490+/-0.000 χ^2/NDF:141328.4/4

Left: 0.466+/-0.000 χ^2/NDF: 343832.3/10

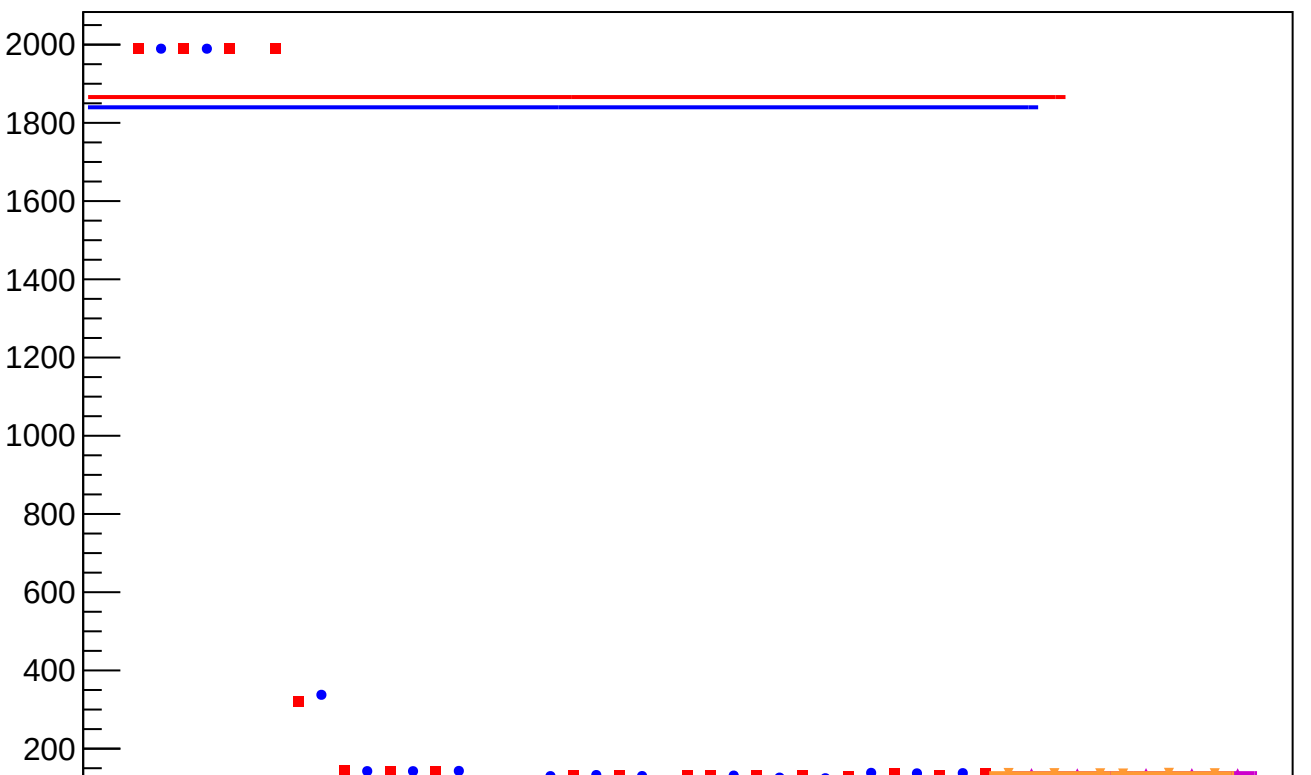
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.506+/-0.000 χ^2/NDF:4296047.3/20

Out: 0.471+/-0.000 χ^2/NDF:5103205.9/24

All: 0.487+/-0.000 χ^2/NDF: 9436498.8/45

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.337+/-0.000 χ^2/NDF:12788384.2/5

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.394+/-0.000 χ^2/NDF:1444791.5/4

Left: 137.363+/-0.000 χ^2/NDF: 14285571.4/10

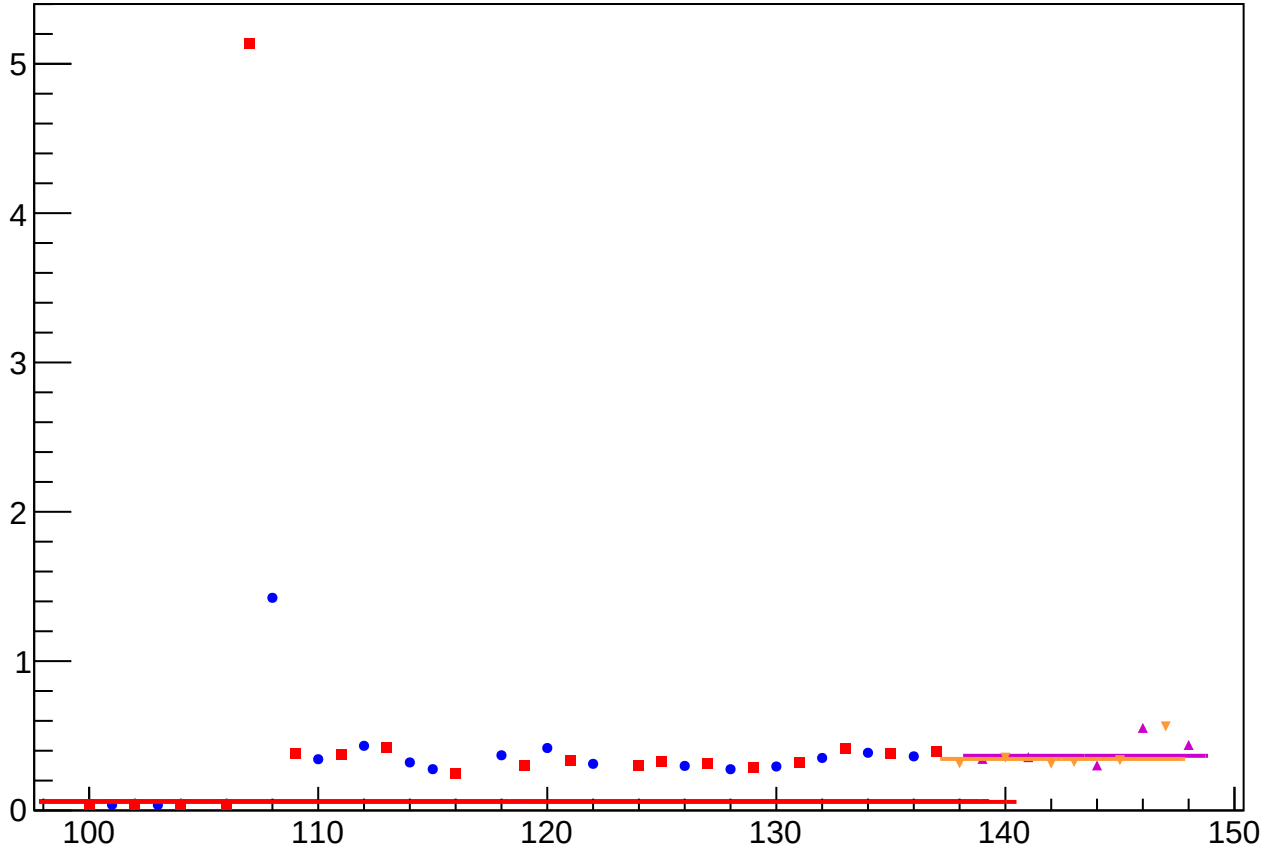
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1754.956+/-0.000 χ^2/NDF:228274989092131.

Out: 1779.548+/-0.000 χ^2/NDF:24225133687907

All: 1768.204+/-0.000 χ^2/NDF: 4707218762

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.345+/-0.000 χ^2/NDF:261248.2/5

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.366+/-0.000 χ^2/NDF:322098.6/4

Left: 0.355+/-0.000 χ^2/NDF: 597446.1/10

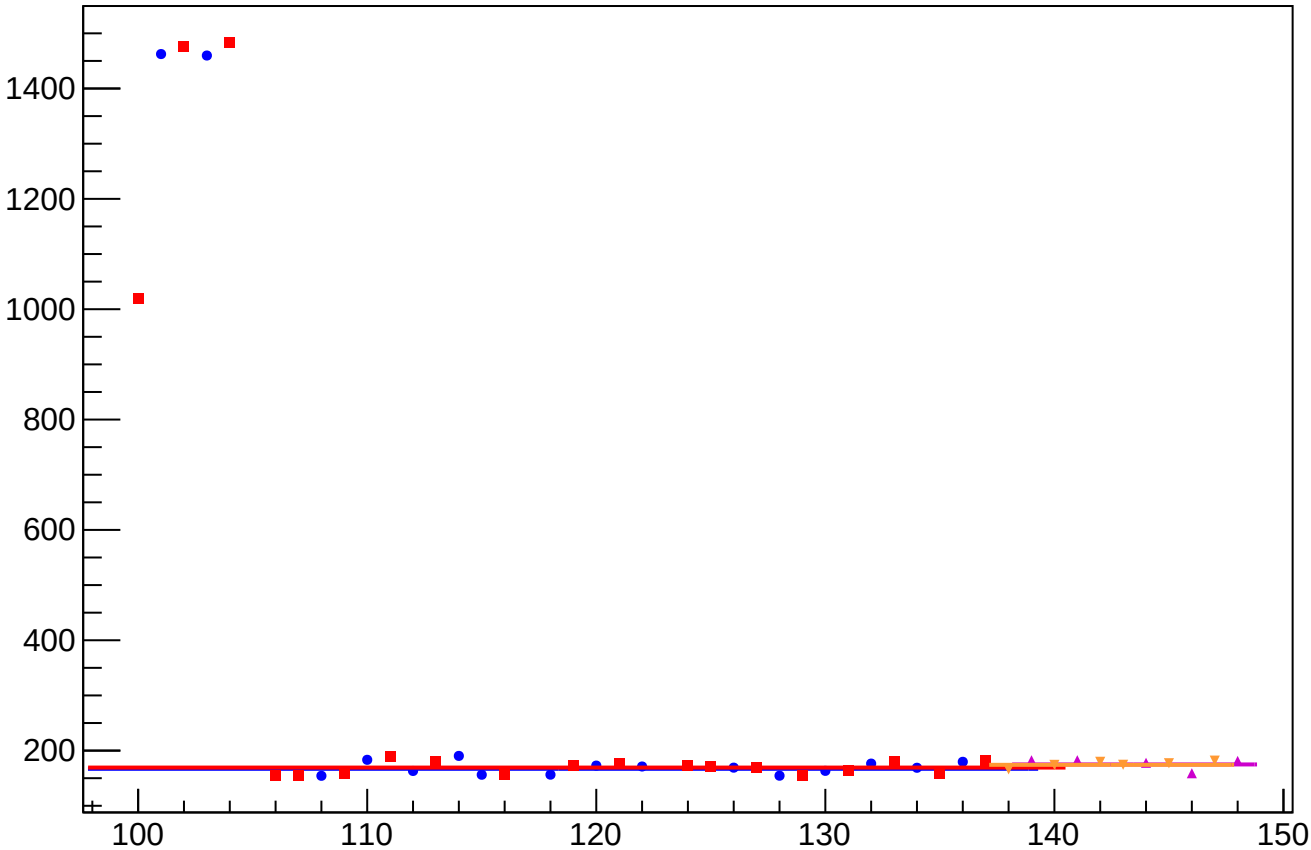
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.077+/-0.000 χ^2/NDF:13757260.4/20

Out: 0.072+/-0.000 χ^2/NDF:13519970.0/24

All: 0.074+/-0.000 χ^2/NDF: 27295091.7/45

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.230+/-0.001 χ^2/NDF:101796767.0/5

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.933+/-0.001 χ^2/NDF:351875667.9/4

Left: 174.579+/-0.000 χ^2/NDF: 454560362.4/10

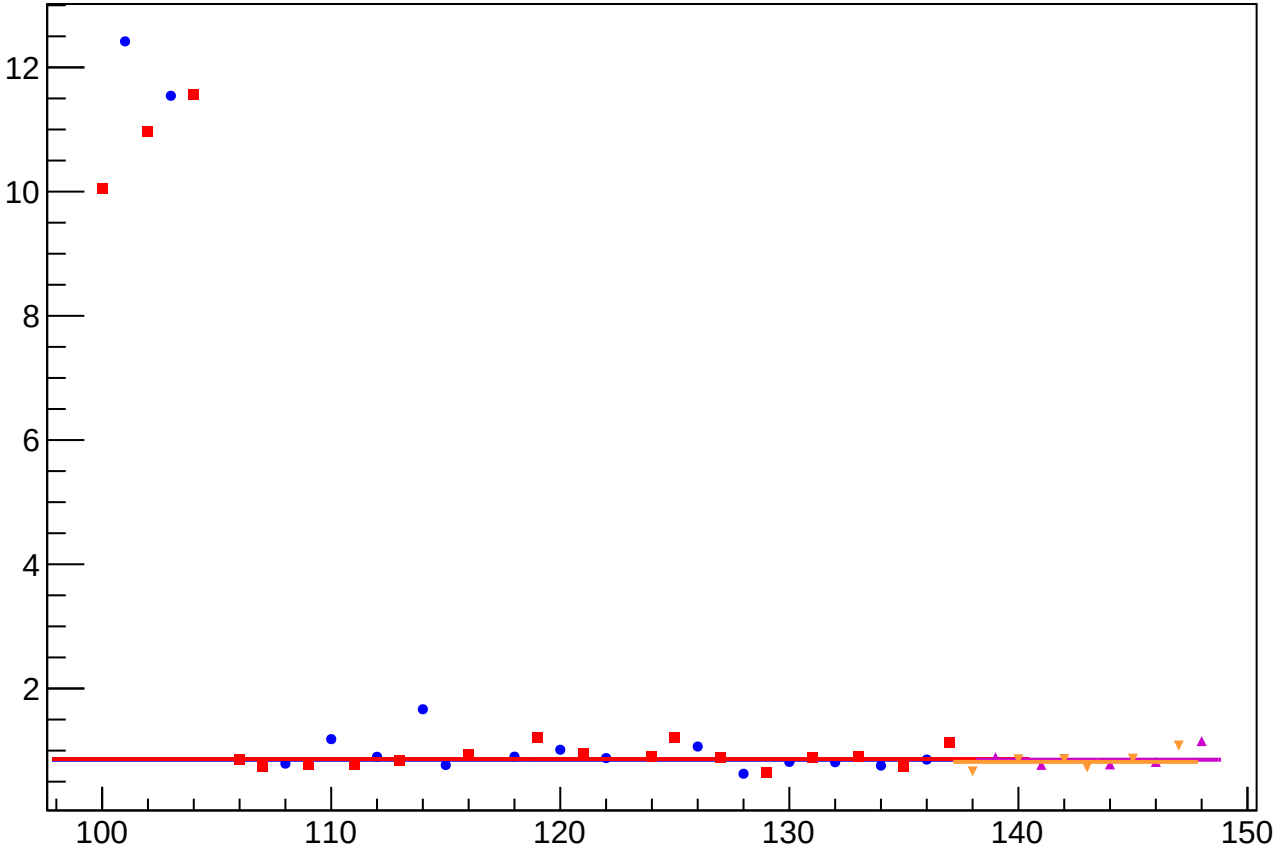
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 170.202+/-0.000 χ^2/NDF:15100370830.7/20

Out: 171.243+/-0.000 χ^2/NDF:16473142942.0/24

All: 170.728+/-0.000 χ^2/NDF: 31578371334.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.819+/-0.000 χ^2/NDF:129225.6/5

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.854+/-0.000 χ^2/NDF:105844.6/4

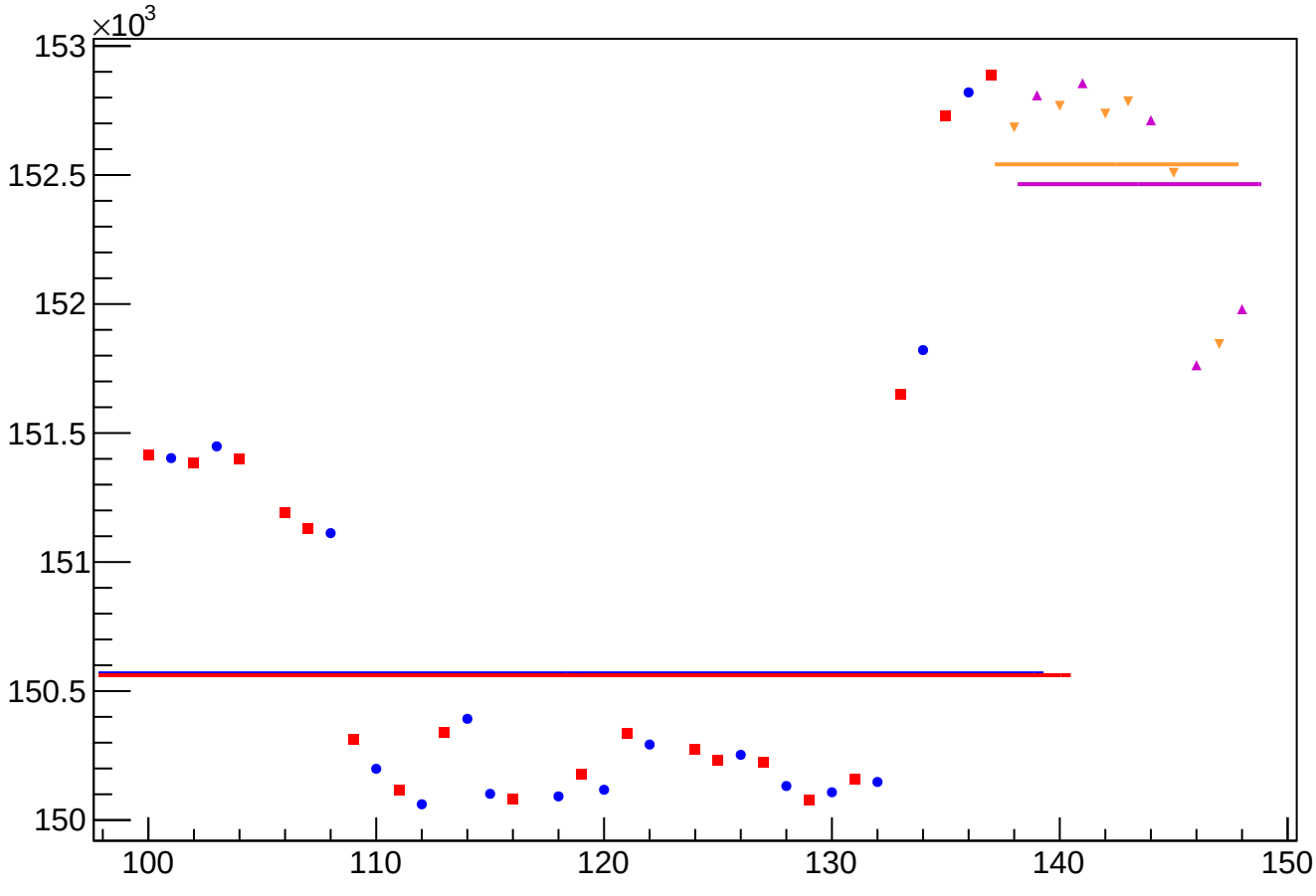
Left: 0.836+/-0.000 χ^2/NDF: 239501.6/10

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.853+/-0.000 χ^2/NDF:2408144.4/20

Out: 0.846+/-0.000 χ^2/NDF:2347526.5/24

All: 0.850+/-0.000 χ^2/NDF: 4756138.1/45



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152541.378+/-0.084 χ^2/NDF:17936239.6/5

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152464.641+/-0.086 χ^2/NDF:26616559.1/4

Left: 152503.850+/-0.060 χ^2/NDF: 44957926.0/10

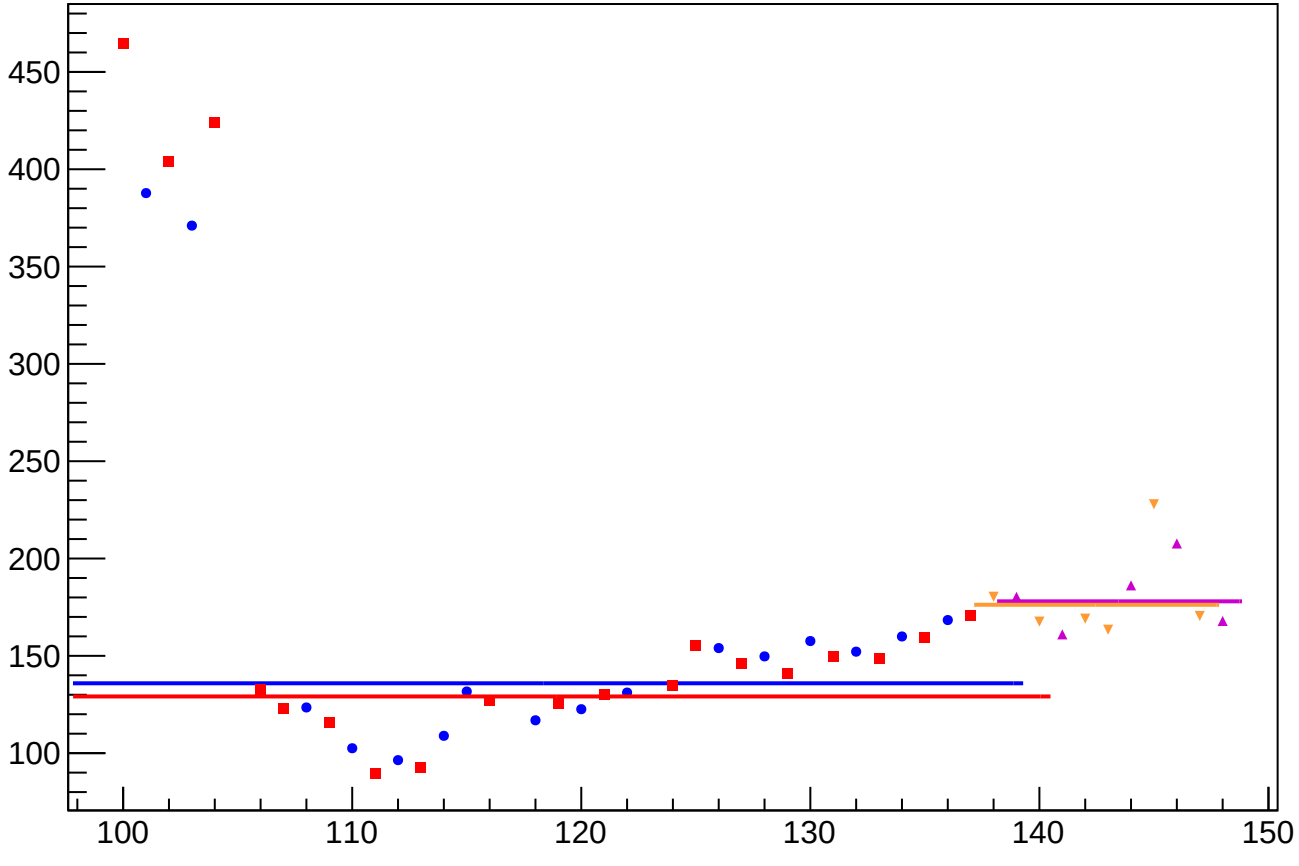
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151111.863+/-0.046 χ^2/NDF:609126363.4/20

Out: 151091.711+/-0.044 χ^2/NDF:619178213.2/24

All: 151101.226+/-0.032 χ^2/NDF: 12284053

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.244+/-0.060 χ^2/NDF:101129.1/5

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

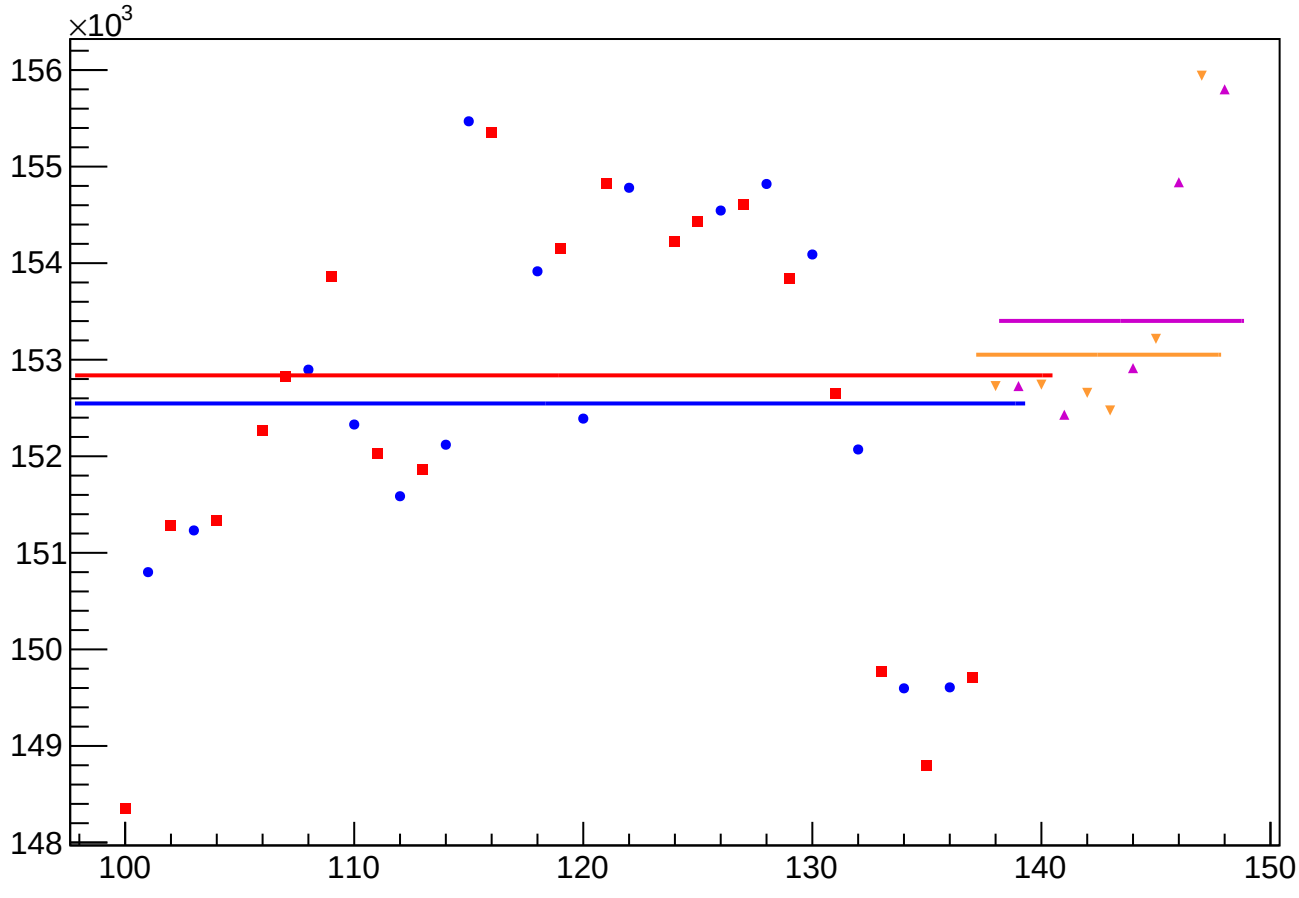
Left: 177.104+/-0.043 χ^2/NDF: 166275.4/10

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 147.960+/-0.033 χ^2/NDF:1821723.3/20

Out: 141.745+/-0.031 χ^2/NDF:2172747.3/24

All: 144.679+/-0.022 χ^2/NDF: 4013637.9/45



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153051.978+/-0.092 χ^2/NDF:110079789.9/5

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153401.949+/-0.099 χ^2/NDF:146880568.8/4

Left: 153214.734+/-0.067 χ^2/NDF: 263649031.0/10

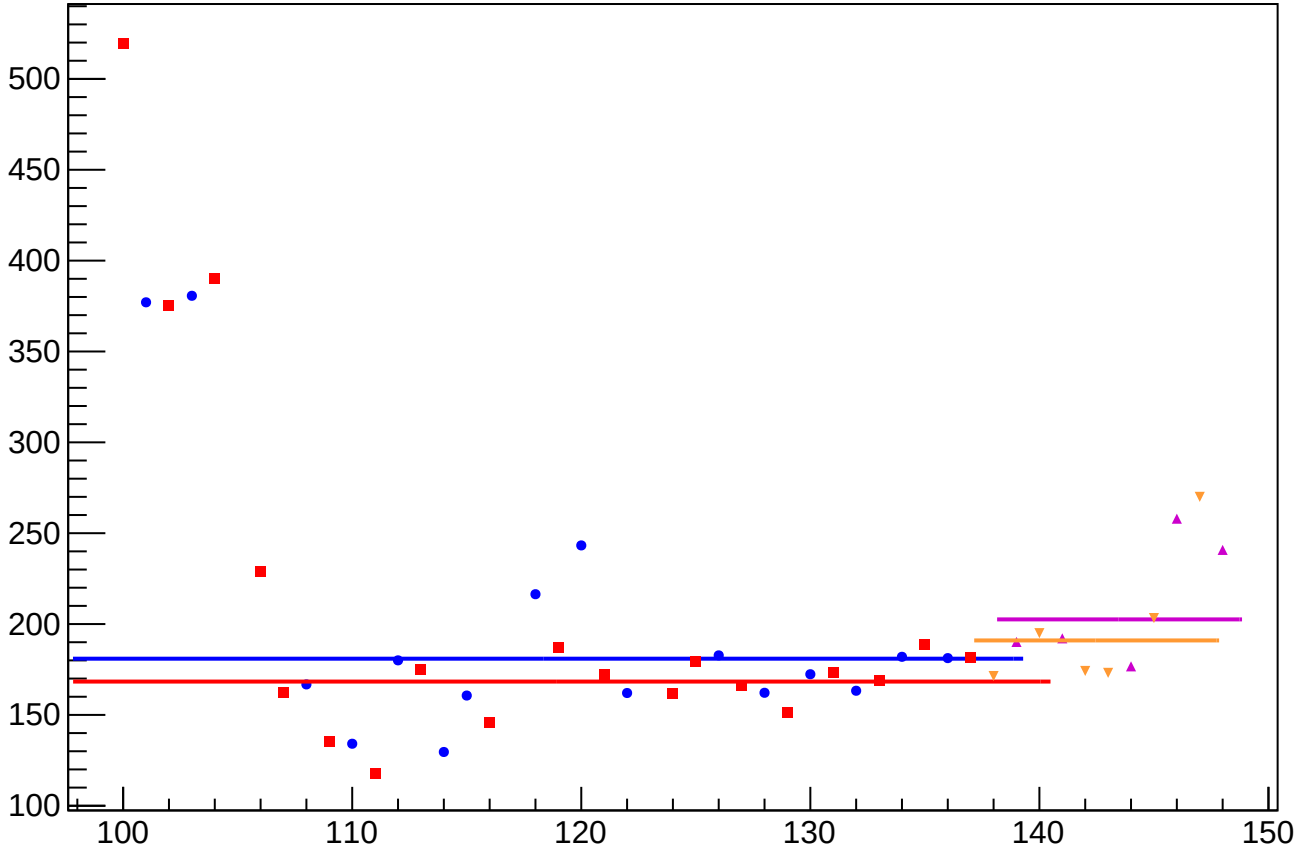
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152846.108+/-0.059 χ^2/NDF:849939827.1/20

Out: 152911.296+/-0.054 χ^2/NDF:850523644.1/24

All: 152881.310+/-0.040 χ^2/NDF: 17011329

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 190.987+/-0.065 χ^2/NDF:191220.6/5

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

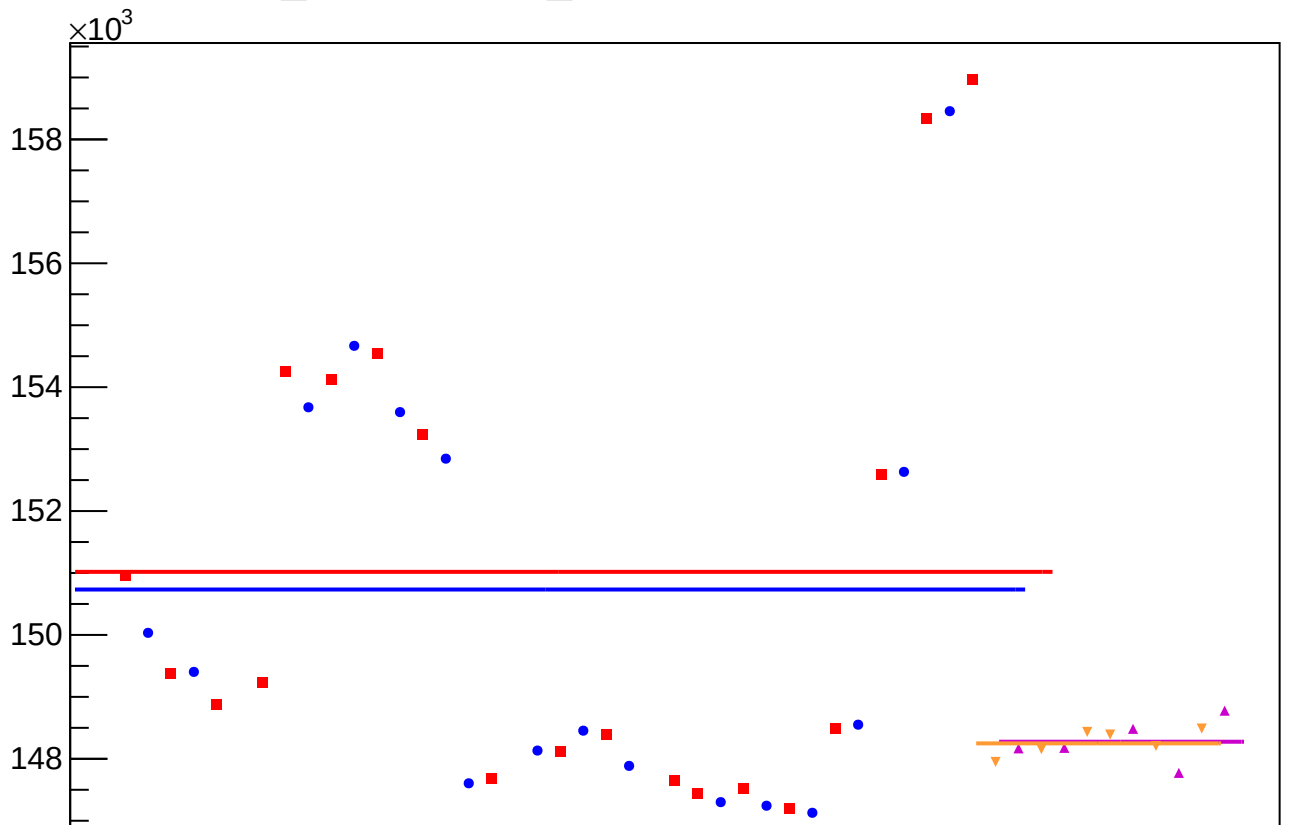
Left: 196.370+/-0.048 χ^2/NDF: 377592.4/10

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 188.506+/-0.041 χ^2/NDF:1141558.6/20

Out: 176.111+/-0.038 χ^2/NDF:1359397.1/24

All: 181.813+/-0.028 χ^2/NDF: 2549357.9/45



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148249.141+/-0.091 χ^2/NDF:4157715.9/5

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148275.800+/-0.096 χ^2/NDF:9256224.8/4

Left: 148261.832+/-0.066 χ^2/NDF: 13454456.0/10

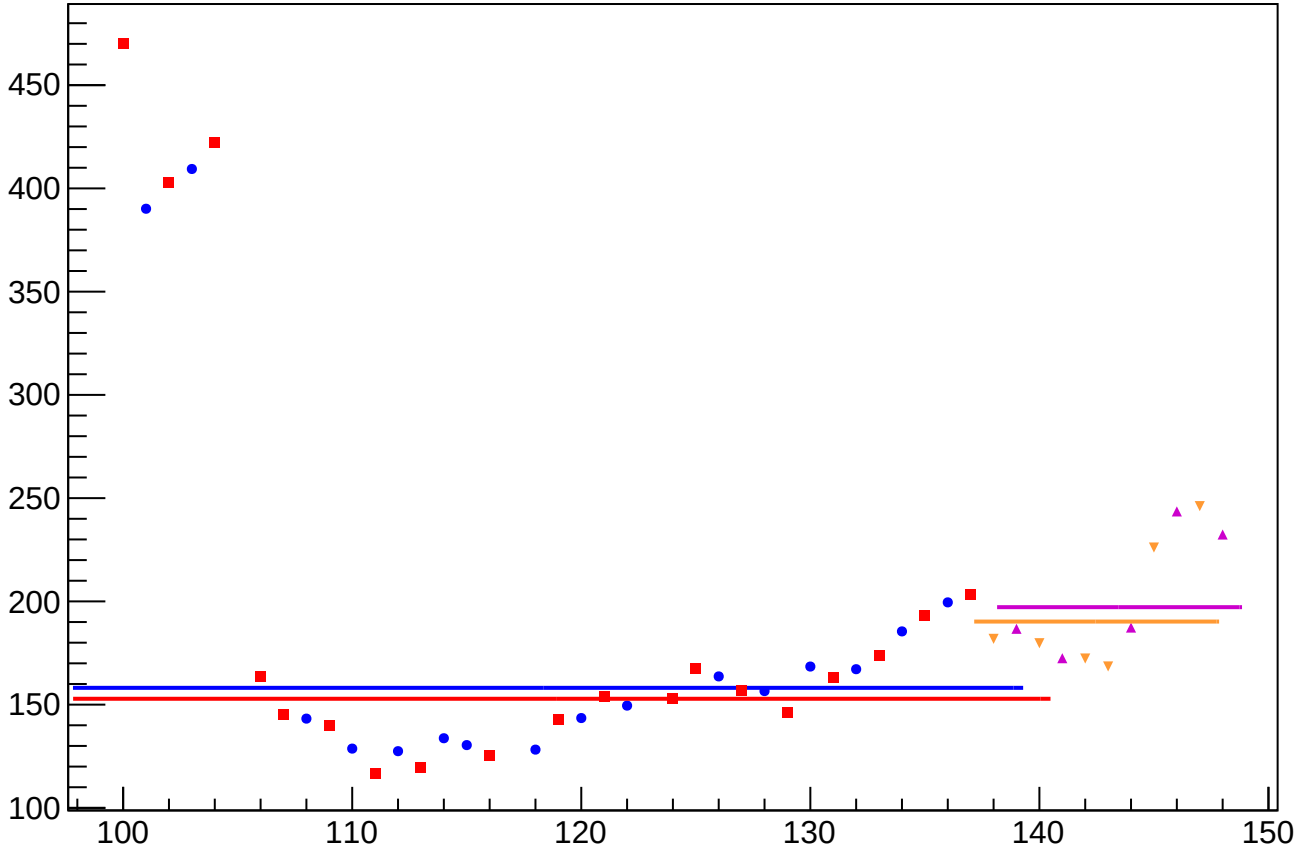
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 149993.779+/-0.053 χ^2/NDF:3752474100.6/20

Out: 150183.180+/-0.050 χ^2/NDF:3931681543.5/2

All: 150092.904+/-0.036 χ^2/NDF: 76909388

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.230+/-0.065 χ^2/NDF:169513.1/5

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.200+/-0.068 χ^2/NDF:147804.3/4

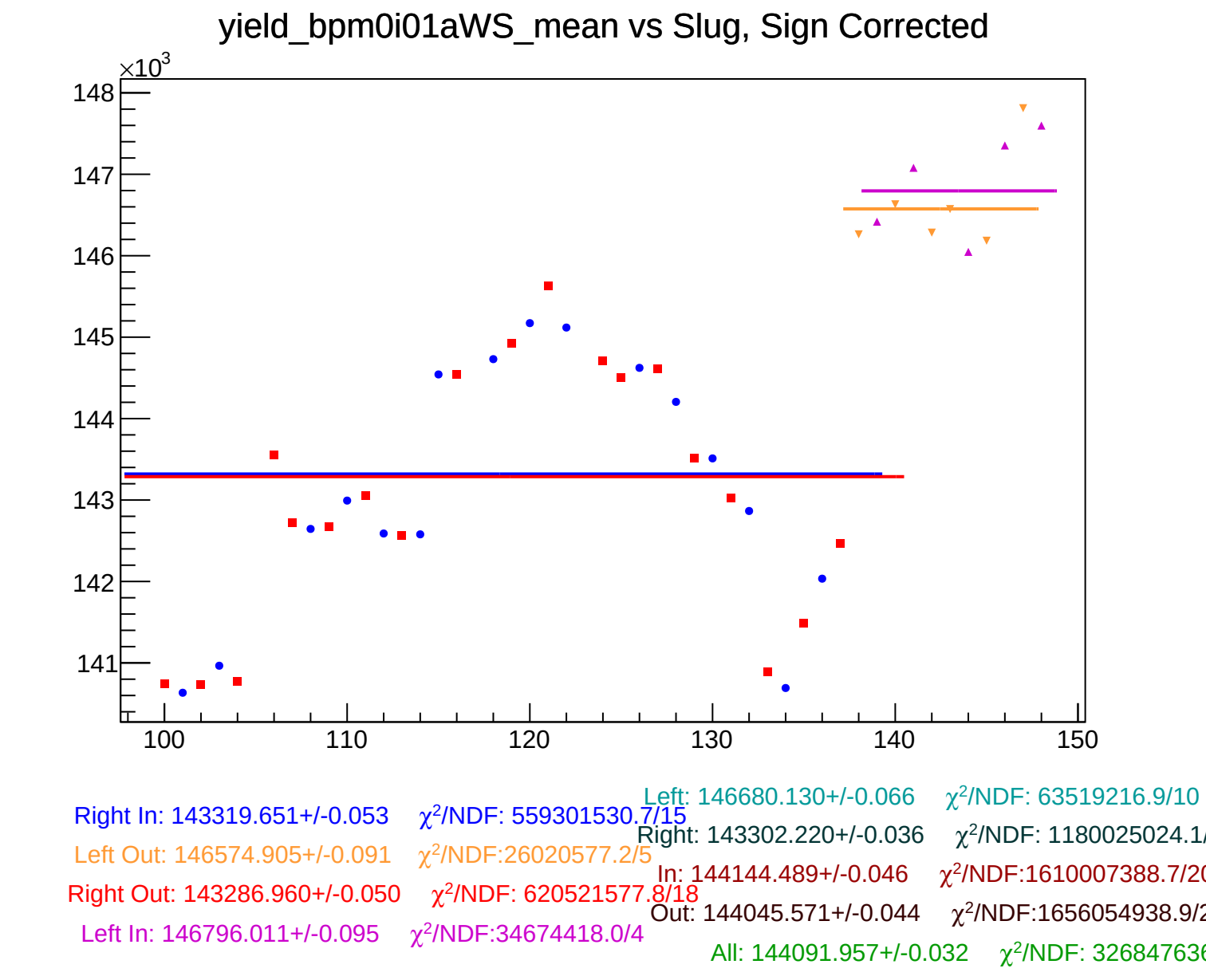
Left: 193.548+/-0.047 χ^2/NDF: 322856.3/10

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

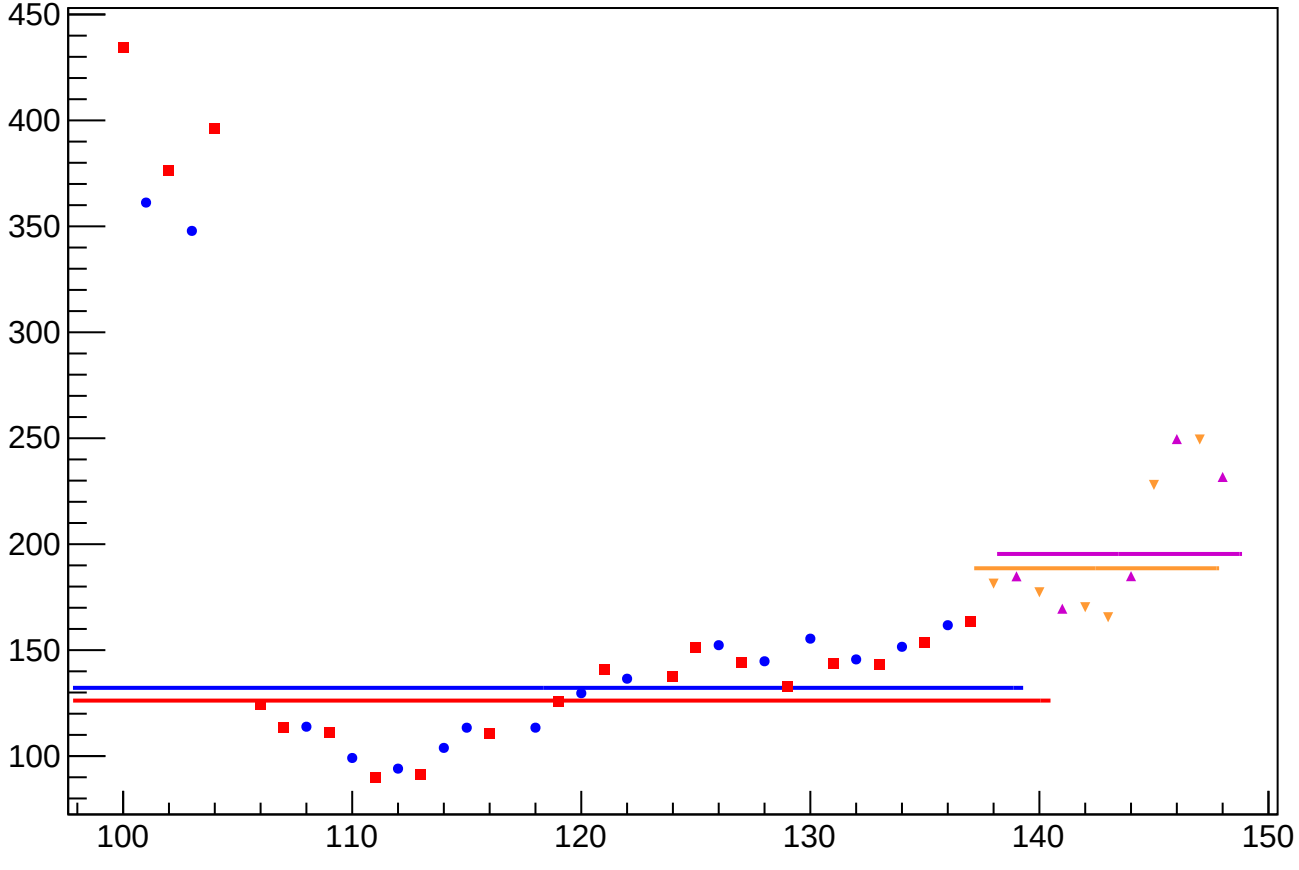
In: 169.893+/-0.037 χ^2/NDF:1575630.1/20

Out: 164.119+/-0.035 χ^2/NDF:1667572.9/24

All: 166.871+/-0.026 χ^2/NDF: 3255820.0/45


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
148
147
146
145
144
143
142
141
100
110
120
130
140
150
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 146574.905+/-0.091 χ²/NDF:26020577.2/5
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 146796.011+/-0.095 χ²/NDF:34674418.0/4
Left: 146680.130+/-0.066 χ²/NDF: 63519216.9/10
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 144144.489+/-0.046 χ²/NDF:1610007388.7/20
Out: 144045.571+/-0.044 χ²/NDF:1656054938.9/2
All: 144091.957+/-0.032 χ²/NDF: 32684763

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 188.636+/-0.064 χ^2/NDF:194743.3/5

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.391+/-0.067 χ^2/NDF:174697.8/4

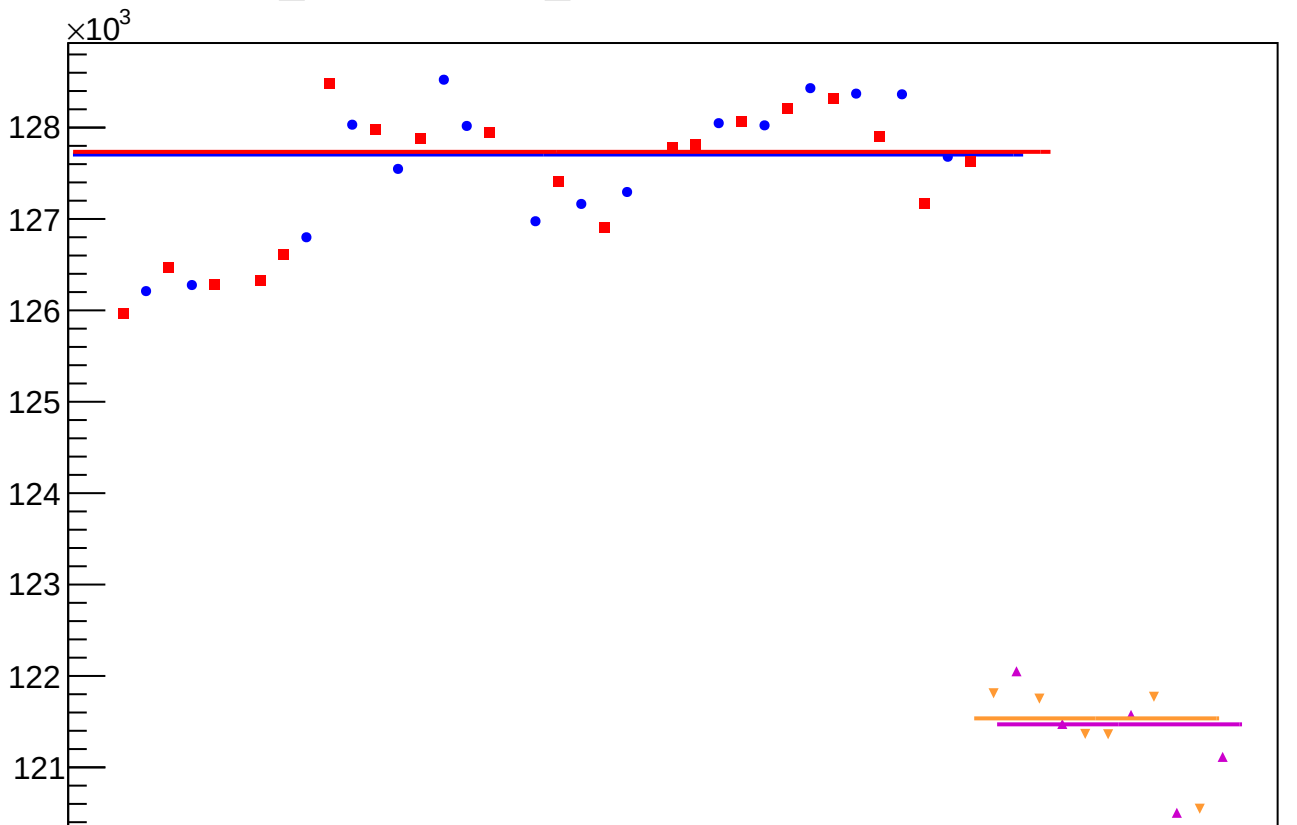
Left: 191.851+/-0.046 χ^2/NDF: 374713.8/10

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 147.197+/-0.033 χ^2/NDF:2225203.8/20

Out: 140.599+/-0.031 χ^2/NDF:2468026.6/24

All: 143.693+/-0.022 χ^2/NDF: 4714710.6/45



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121535.729+/-0.080 χ^2/NDF:18444591.4/5

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 121470.444+/-0.083 χ^2/NDF:30285465.6/4

Left: 121504.383+/-0.058 χ^2/NDF: 49047903.4/10

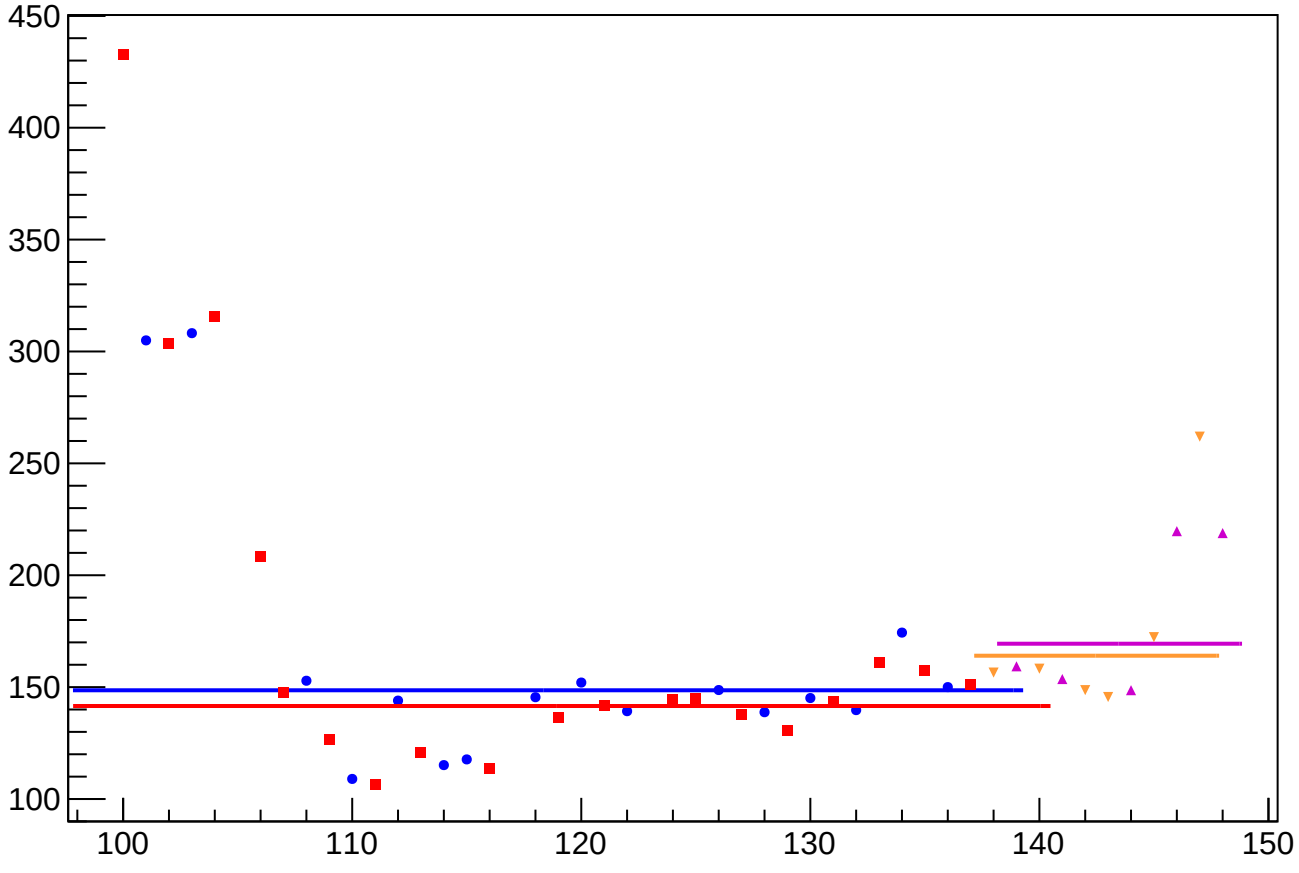
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 125656.231+/-0.048 χ^2/NDF:3878395822.8/20

Out: 125757.348+/-0.045 χ^2/NDF:4192387864.1/2

All: 125709.551+/-0.033 χ^2/NDF: 80731370

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 164.039+/-0.057 χ^2/NDF:270177.5/5

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.399+/-0.059 χ^2/NDF:231299.9/4

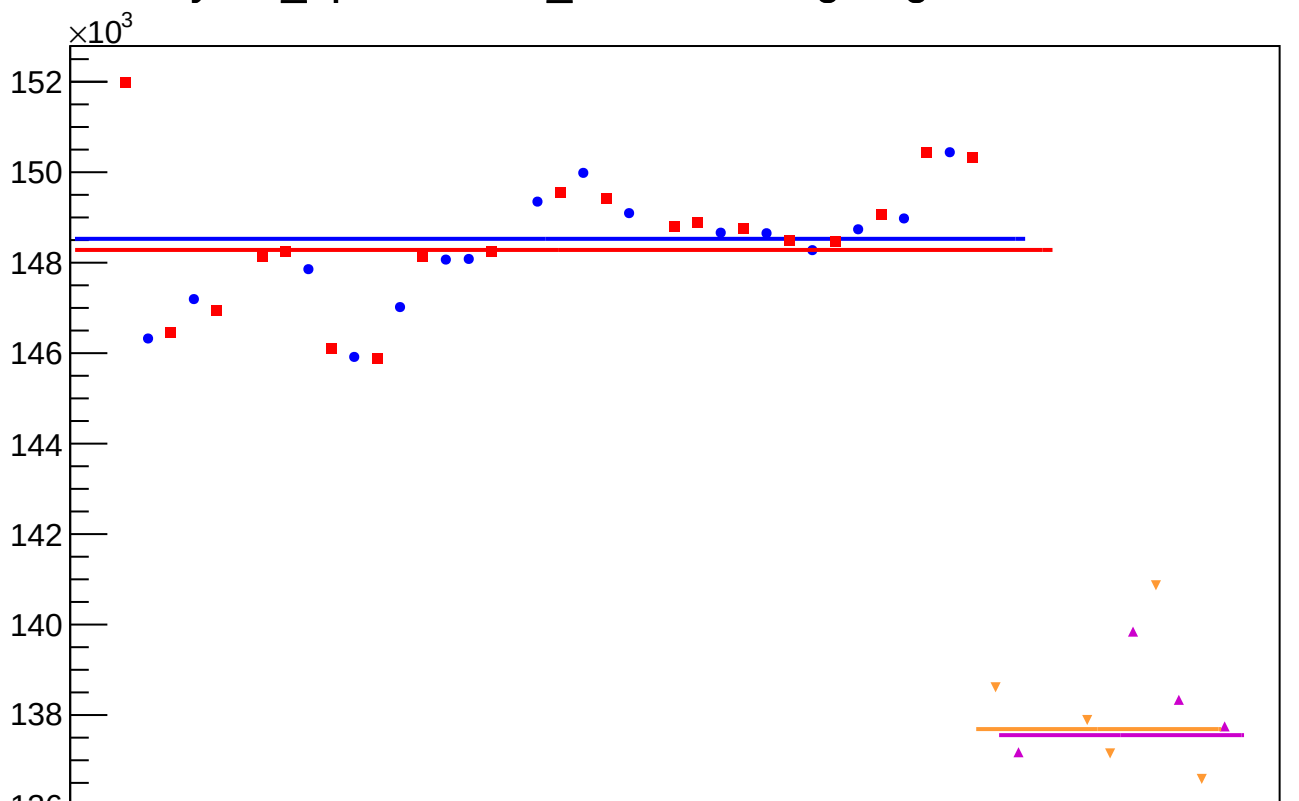
Left: 166.612+/-0.041 χ^2/NDF: 505762.1/10

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 155.431+/-0.034 χ^2/NDF:1142378.4/20

Out: 148.732+/-0.032 χ^2/NDF:1378271.2/24

All: 151.898+/-0.023 χ^2/NDF: 2541305.3/45



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137689.331+/-0.120 χ^2/NDF:183566031.1/5

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 137555.624+/-0.125 χ^2/NDF:140894317.4/4

Left: 137625.675+/-0.087 χ^2/NDF: 325055741.0/10

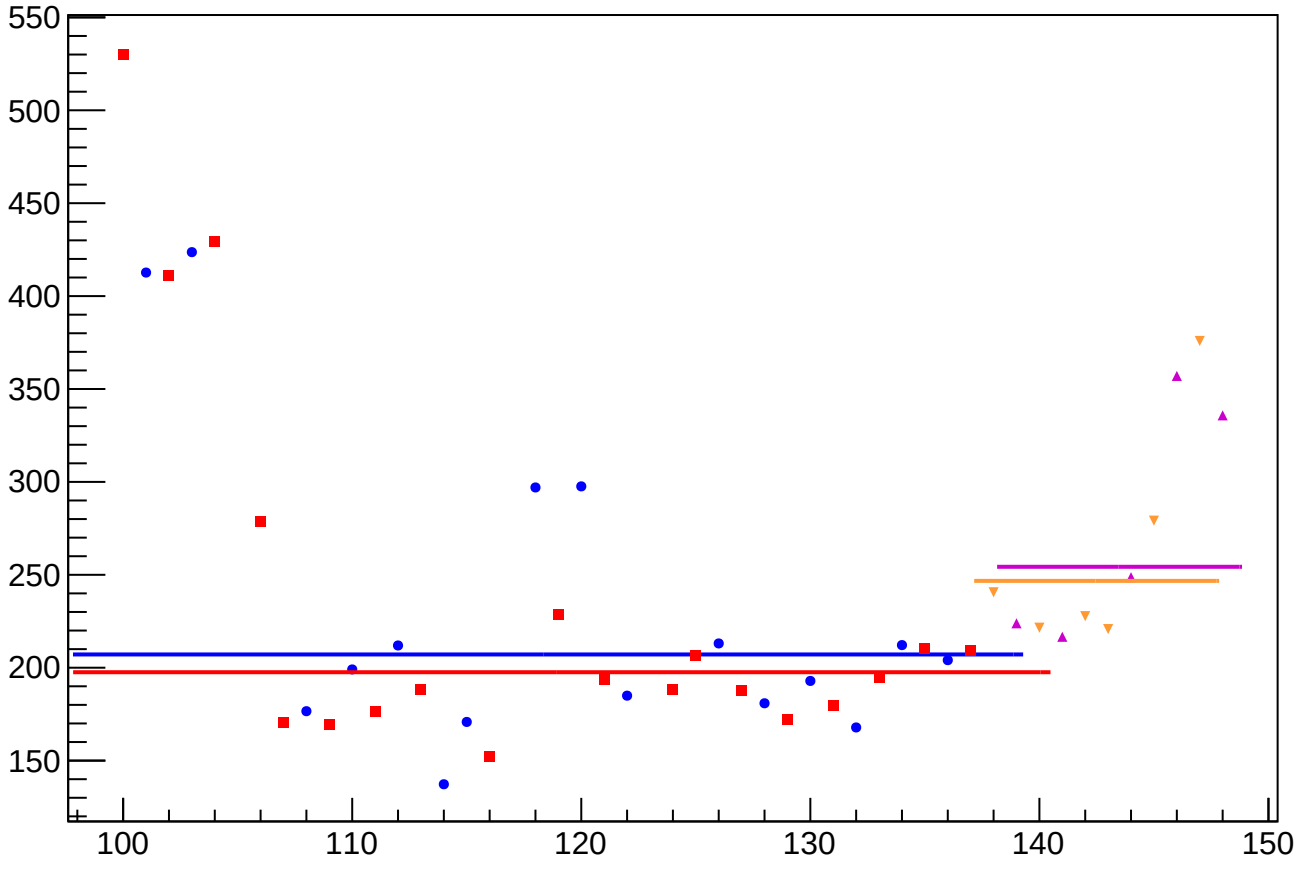
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 145245.552+/-0.069 χ^2/NDF:5713612427.5/20

Out: 145199.122+/-0.065 χ^2/NDF:6042979514.7/2

All: 145220.910+/-0.047 χ^2/NDF: 11756835

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 246.742+/-0.085 χ^2/NDF:263796.4/5

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 254.315+/-0.089 χ^2/NDF:324144.9/4

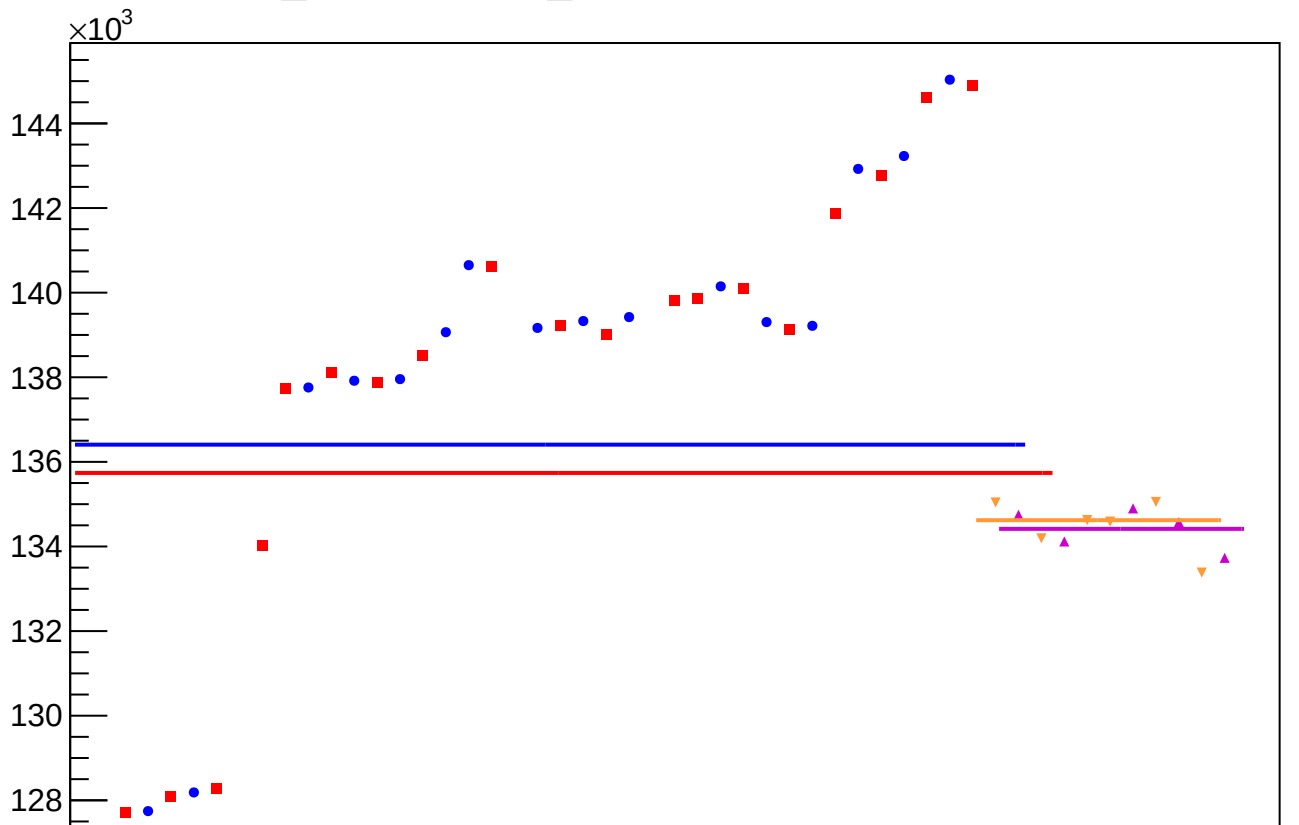
Left: 250.348+/-0.061 χ^2/NDF: 591761.7/10

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 221.248+/-0.049 χ^2/NDF:1494709.1/20

Out: 211.882+/-0.046 χ^2/NDF:1407613.7/24

All: 216.277+/-0.033 χ^2/NDF: 2922113.1/45



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134621.618+/-0.260 χ^2/NDF:3442589.3/5

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134416.303+/-0.284 χ^2/NDF:1911621.5/4

Left: 134527.943+/-0.191 χ^2/NDF: 5639395.8/10

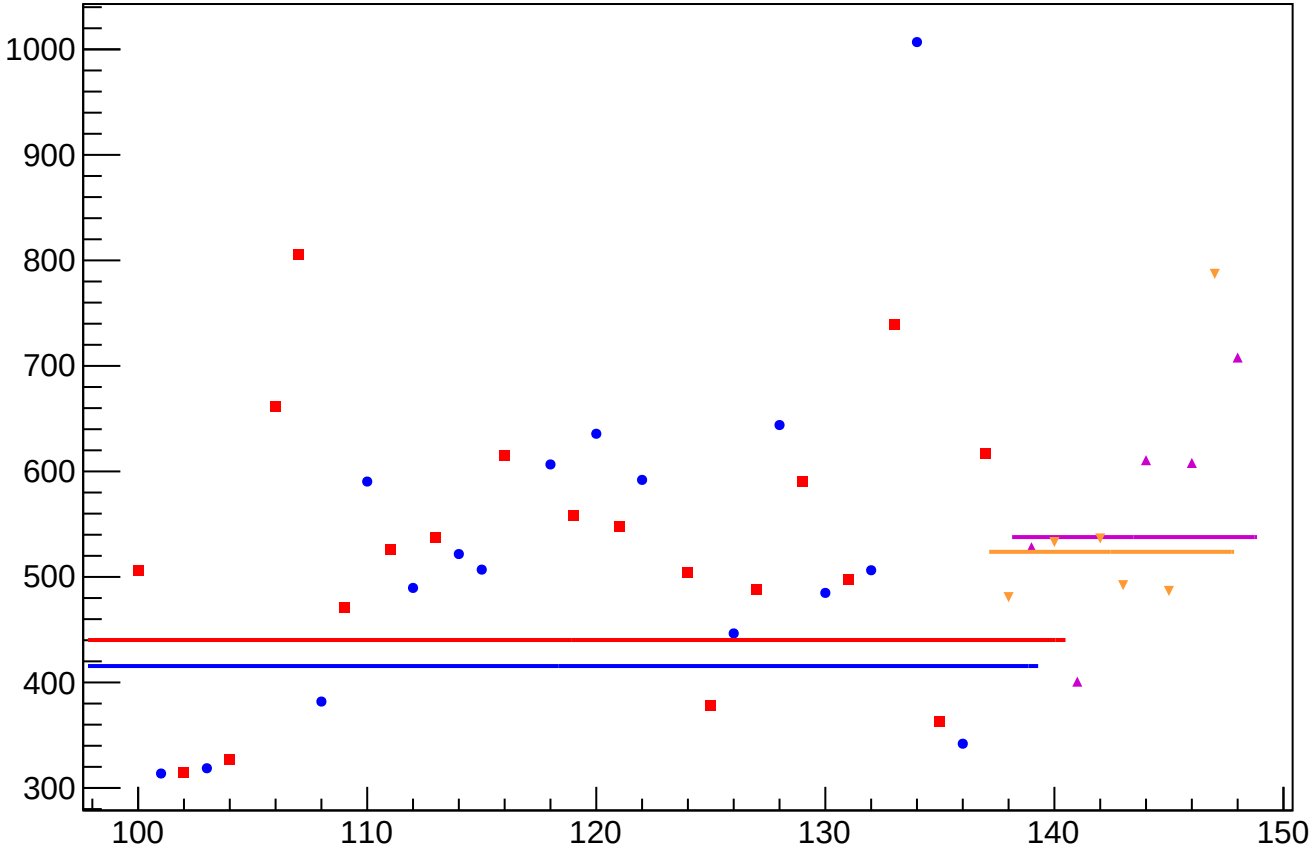
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 135886.947+/-0.145 χ^2/NDF:1615406038.5/20

Out: 135385.066+/-0.146 χ^2/NDF:1190209152.9/2

All: 135638.038+/-0.103 χ^2/NDF: 28115653

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 523.796+/-0.184 χ^2/NDF:191817.9/5

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 537.778+/-0.200 χ^2/NDF:285683.1/4

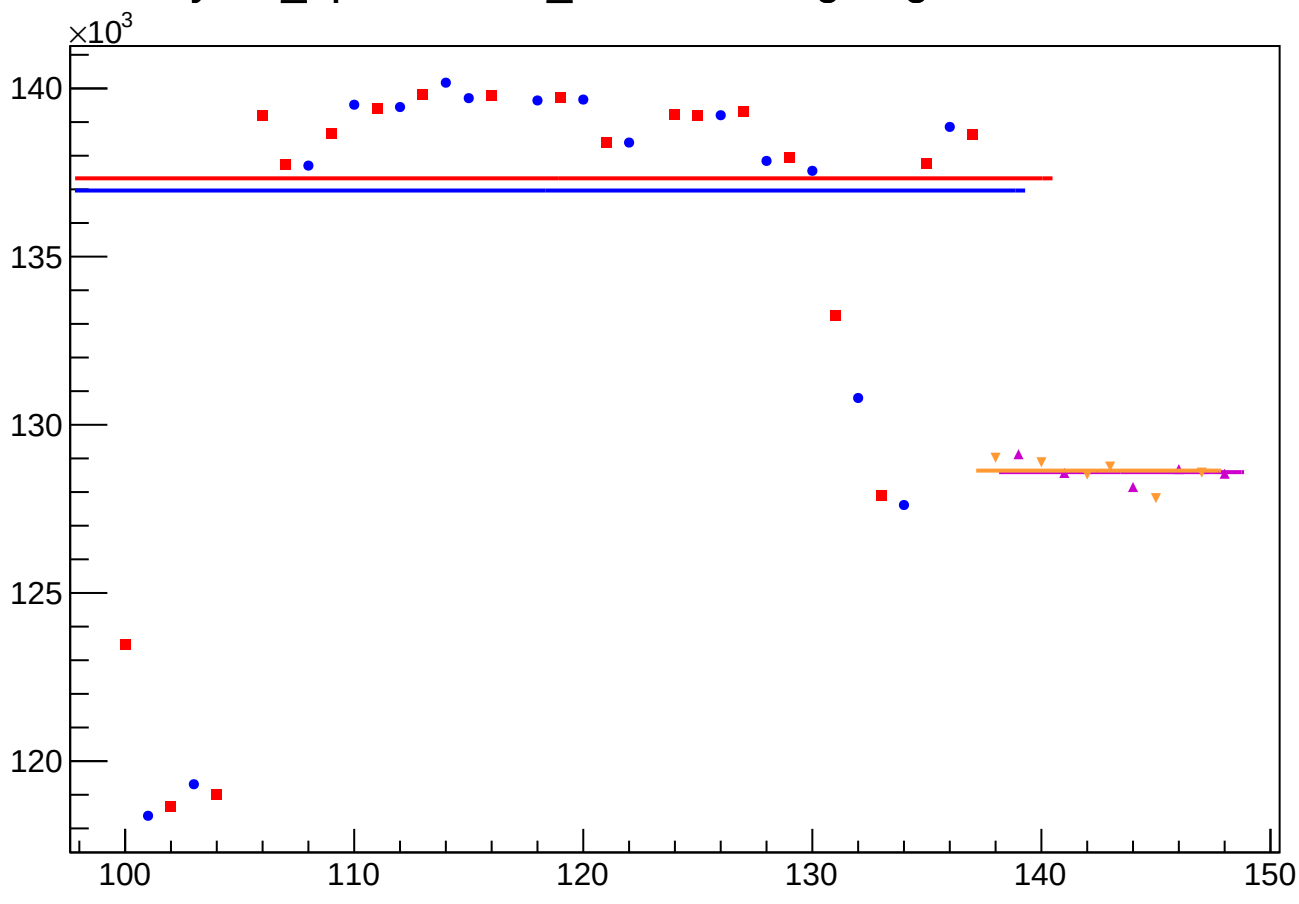
Left: 530.175+/-0.135 χ^2/NDF: 480146.2/10

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 447.476+/-0.102 χ^2/NDF:1591943.9/20

Out: 466.661+/-0.103 χ^2/NDF:1244224.1/24

All: 456.991+/-0.073 χ^2/NDF: 2853558.4/45



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128637.999+/-0.086 χ^2/NDF:21078283.3/5

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128591.916+/-0.091 χ^2/NDF:14368708.0/4

Left: 128616.123+/-0.062 χ^2/NDF: 35583126.2/10

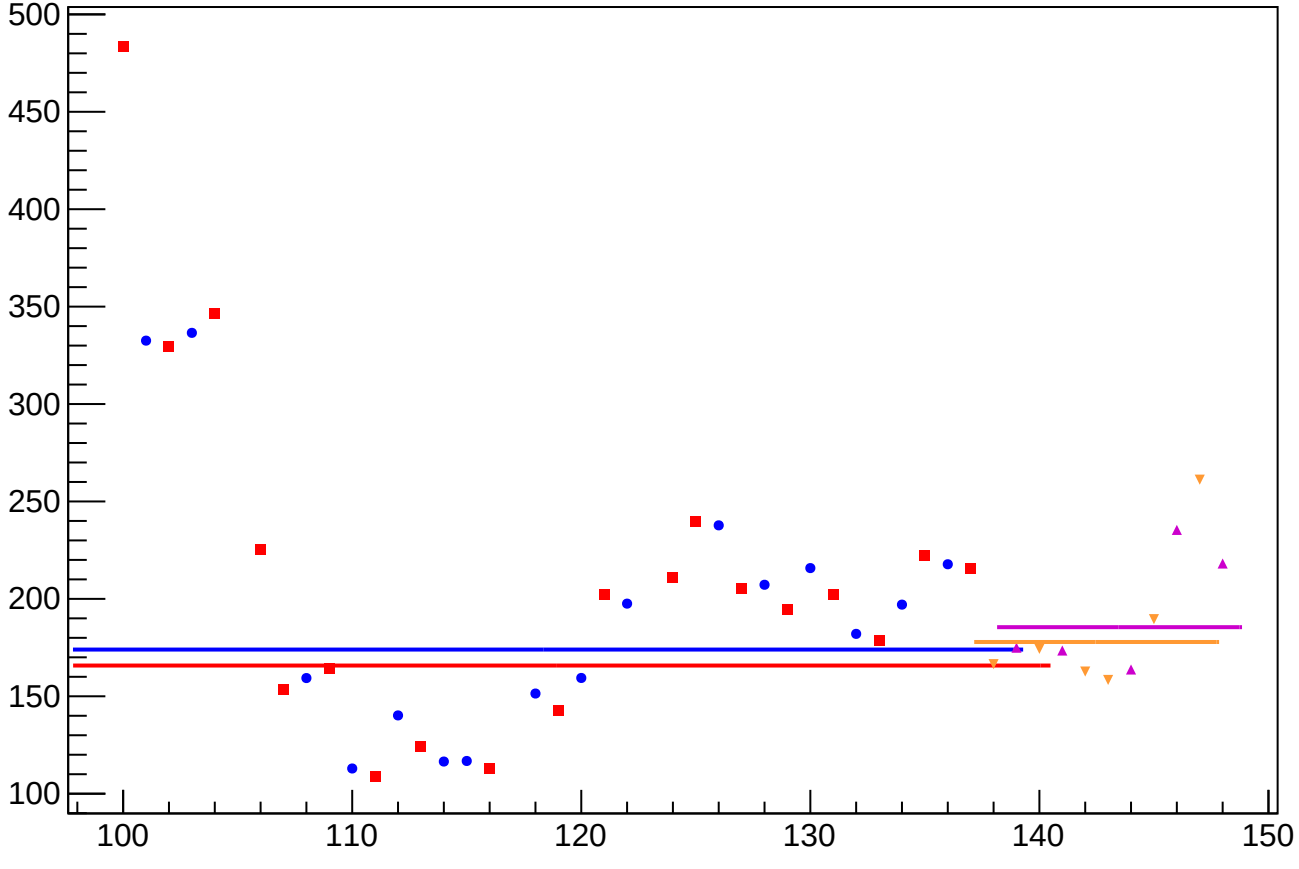
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 133846.992+/-0.055 χ^2/NDF:11191820032.1/

Out: 134132.045+/-0.052 χ^2/NDF:12205551572.

All: 133997.619+/-0.038 χ^2/NDF: 2341144

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 177.869+/-0.061 χ^2/NDF:211768.5/5

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.473+/-0.064 χ^2/NDF:160814.9/4

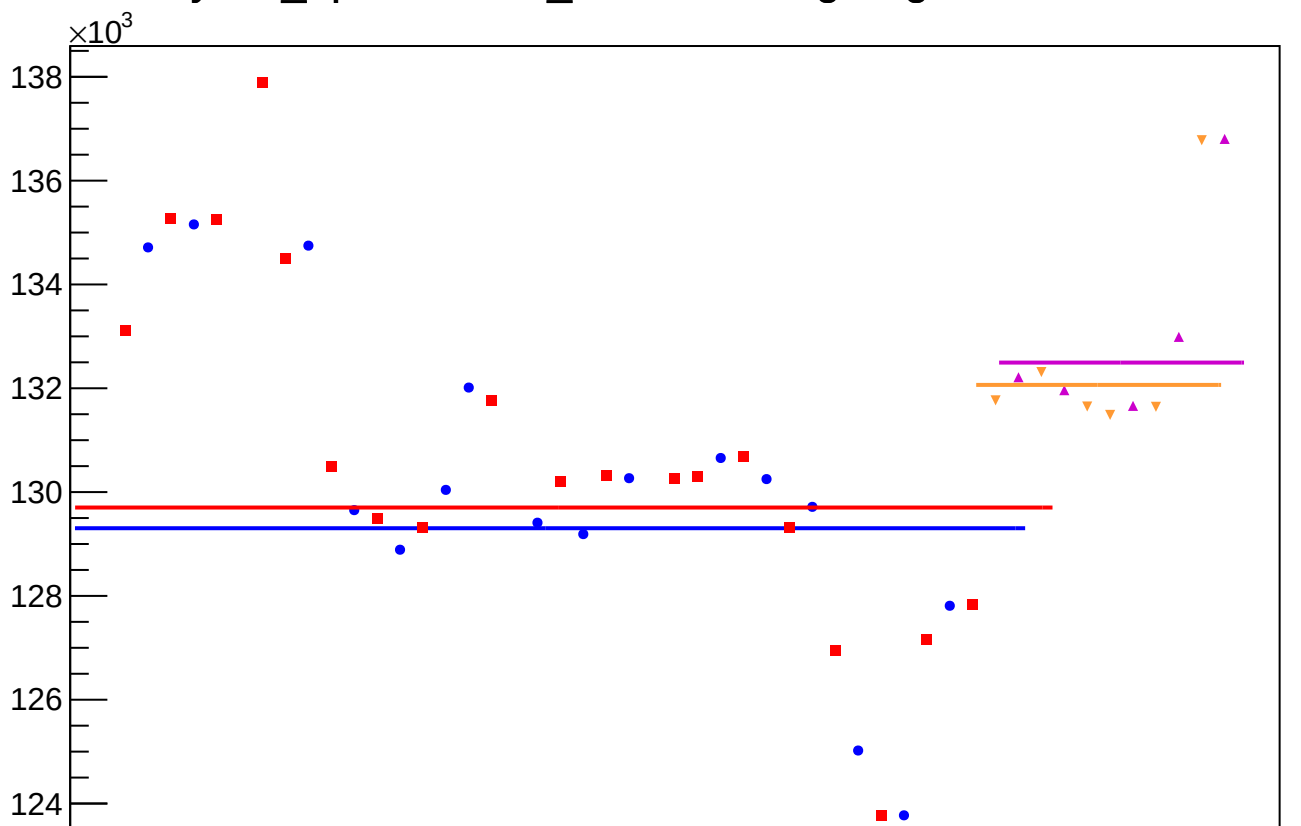
Left: 181.479+/-0.044 χ^2/NDF: 379997.6/10

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 178.261+/-0.039 χ^2/NDF:1369536.4/20

Out: 170.226+/-0.037 χ^2/NDF:1669883.2/24

All: 174.015+/-0.027 χ^2/NDF: 3061781.4/45



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132064.949+/-0.086 χ^2/NDF:196623044.1/5

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132494.927+/-0.092 χ^2/NDF:235620267.4/4

Left: 132265.104+/-0.063 χ^2/NDF: 443892787.5/10

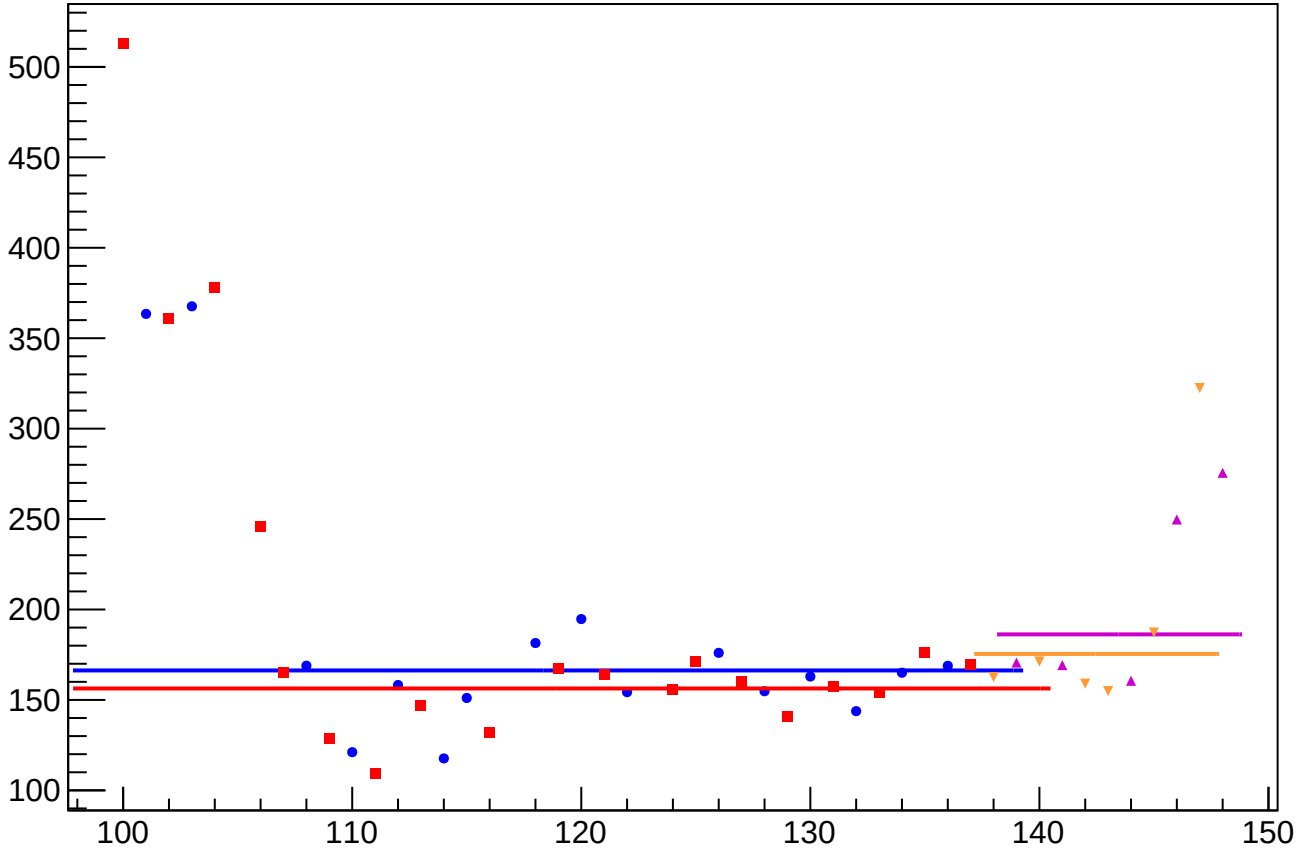
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130390.923+/-0.054 χ^2/NDF:2677342118.8/20

Out: 130503.228+/-0.050 χ^2/NDF:2473744032.6/2

All: 130451.092+/-0.037 χ^2/NDF: 515342458

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 175.434+/-0.061 χ^2/NDF:392878.1/5

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.240+/-0.065 χ^2/NDF:359120.2/4

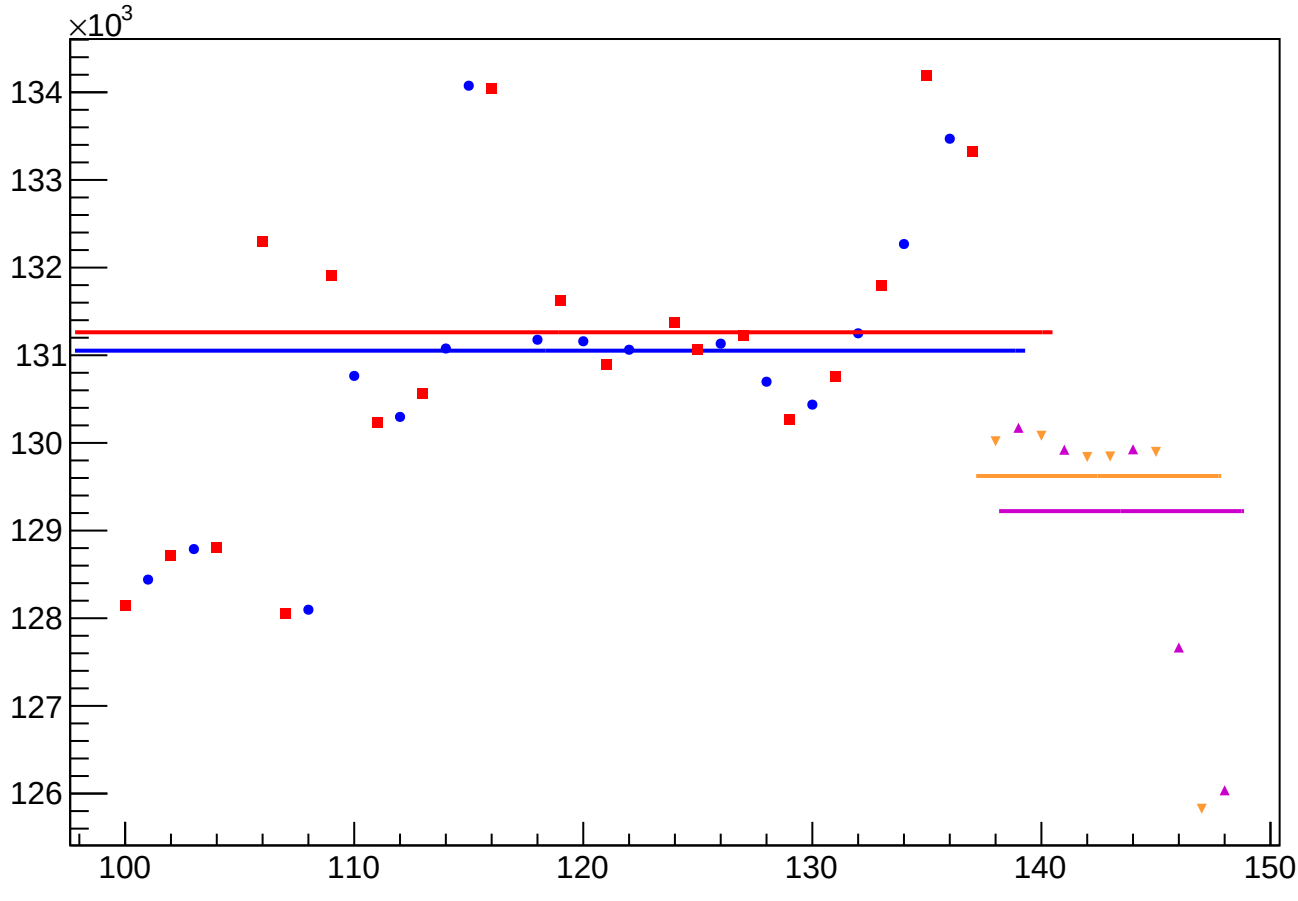
Left: 180.464+/-0.044 χ^2/NDF: 766713.1/10

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 173.094+/-0.038 χ^2/NDF:1358861.4/20

Out: 162.807+/-0.035 χ^2/NDF:1631001.4/24

All: 167.583+/-0.026 χ^2/NDF: 3029100.9/45



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129622.781+/-0.082 χ^2/NDF:183232044.4/5

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 129221.937+/-0.087 χ^2/NDF:268791241.7/4

Left: 129435.210+/-0.060 χ^2/NDF: 463316432.0/10

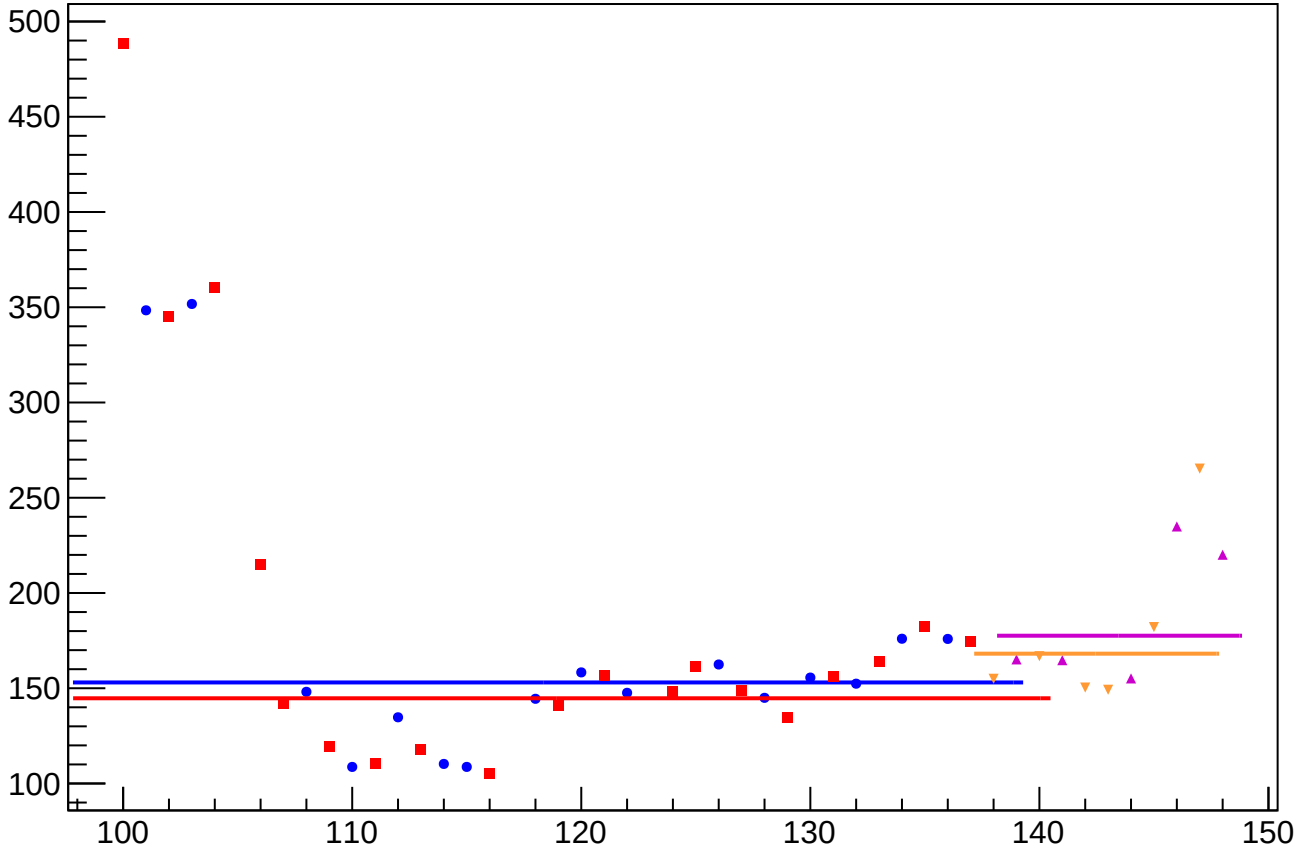
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130453.950+/-0.050 χ^2/NDF:1090415140.6/20

Out: 130728.822+/-0.047 χ^2/NDF:1059869976.7/2

All: 130600.531+/-0.034 χ^2/NDF: 21665644

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 168.148+/-0.058 χ^2/NDF:277472.3/5

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 177.574+/-0.062 χ^2/NDF:221526.8/4

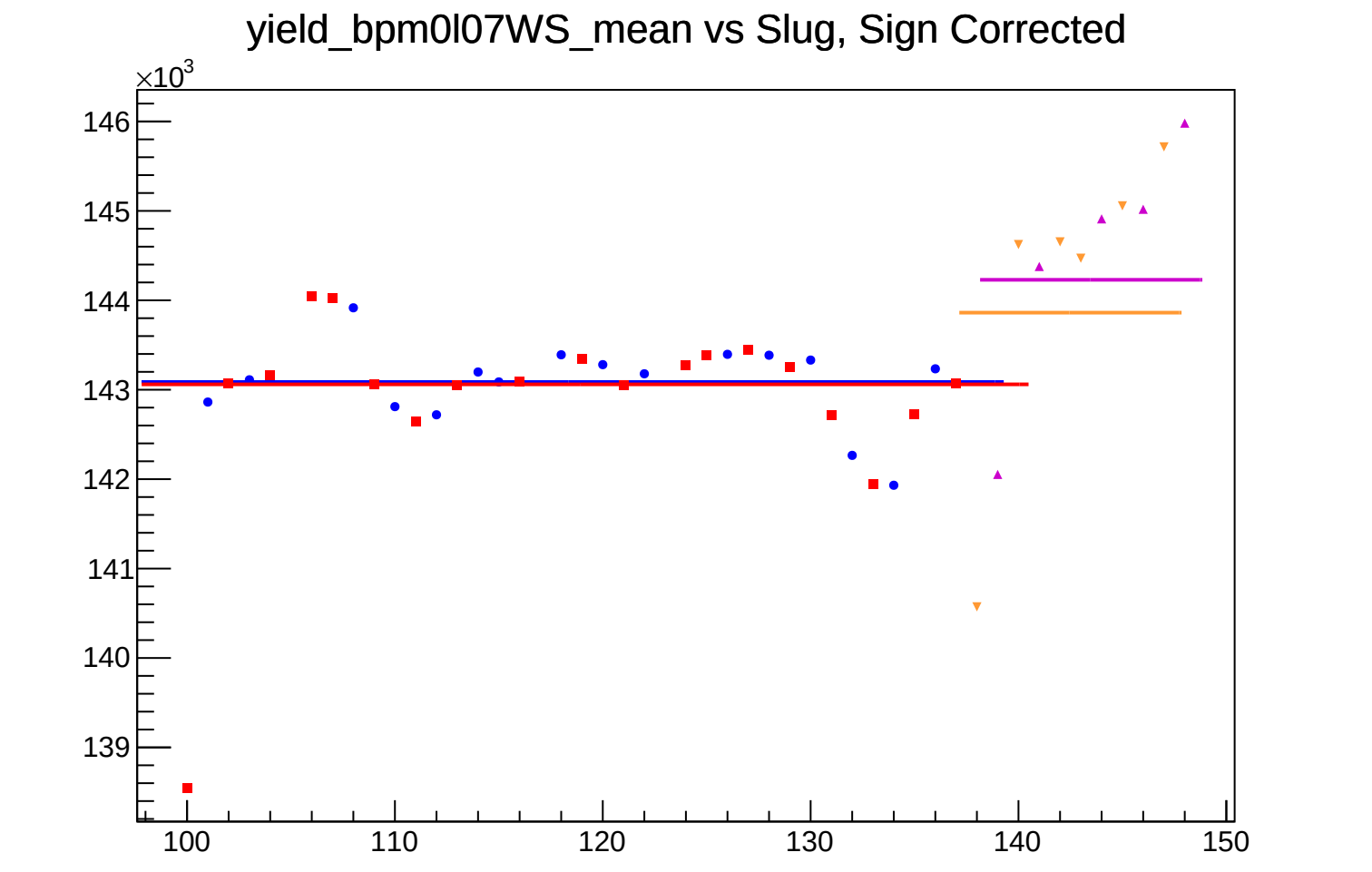
Left: 172.559+/-0.042 χ^2/NDF: 511490.5/10

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

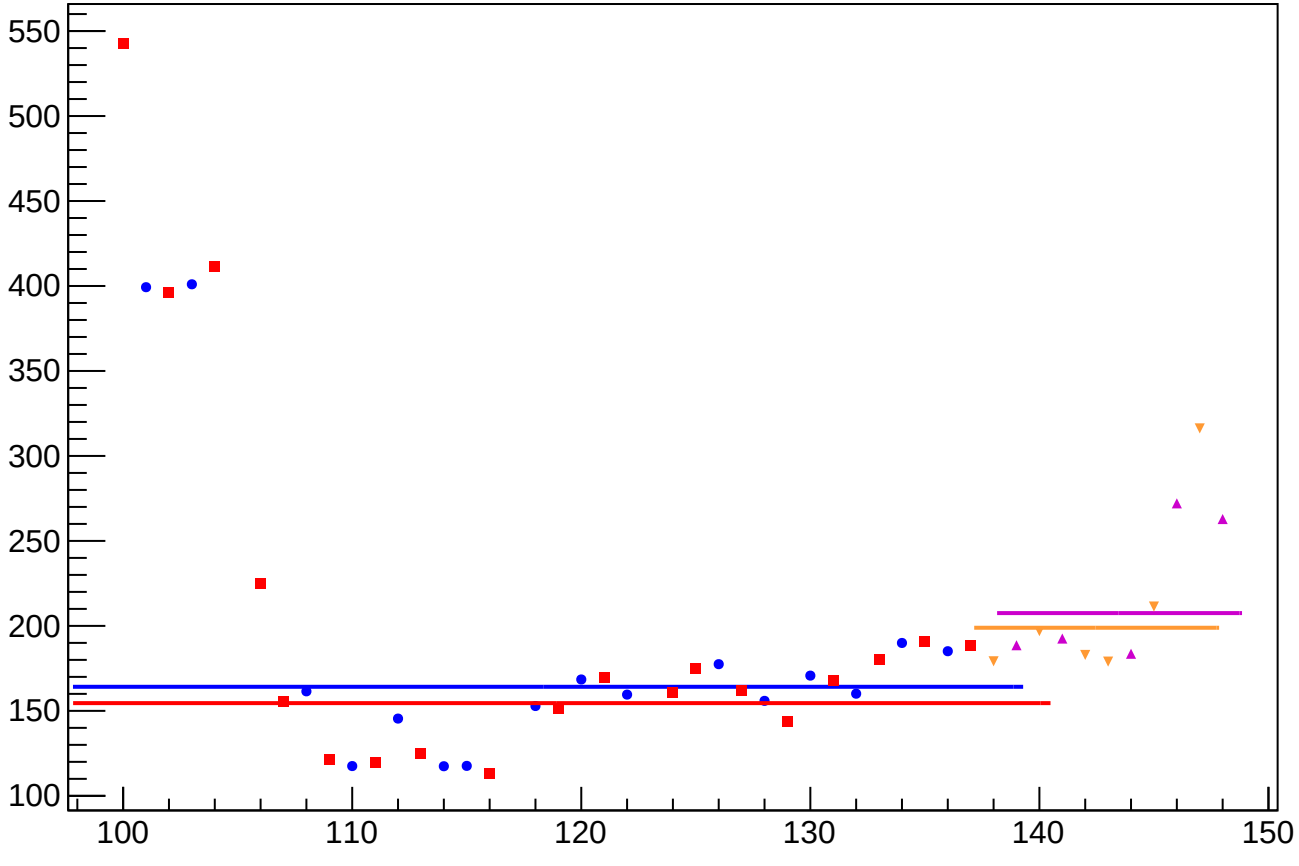
In: 161.063+/-0.035 χ^2/NDF:1388012.6/20

Out: 152.350+/-0.033 χ^2/NDF:1652029.7/24

All: 156.417+/-0.024 χ^2/NDF: 3072761.5/45


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
146
145
144
143
142
141
140
139
100
110
120
130
140
150
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 143862.086+/-0.097 χ²/NDF:333256861.8/5
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144229.339+/-0.102 χ²/NDF:166669714.7/4
Left: 144036.561+/-0.070 χ²/NDF: 506725899.6/10
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 143416.956+/-0.055 χ²/NDF:302561710.6/20
Out: 143285.403+/-0.051 χ²/NDF:434038562.8/24
All: 143346.936+/-0.038 χ²/NDF: 73965947

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 198.907+/-0.069 χ^2/NDF:275544.6/5

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.531+/-0.072 χ^2/NDF:227081.5/4

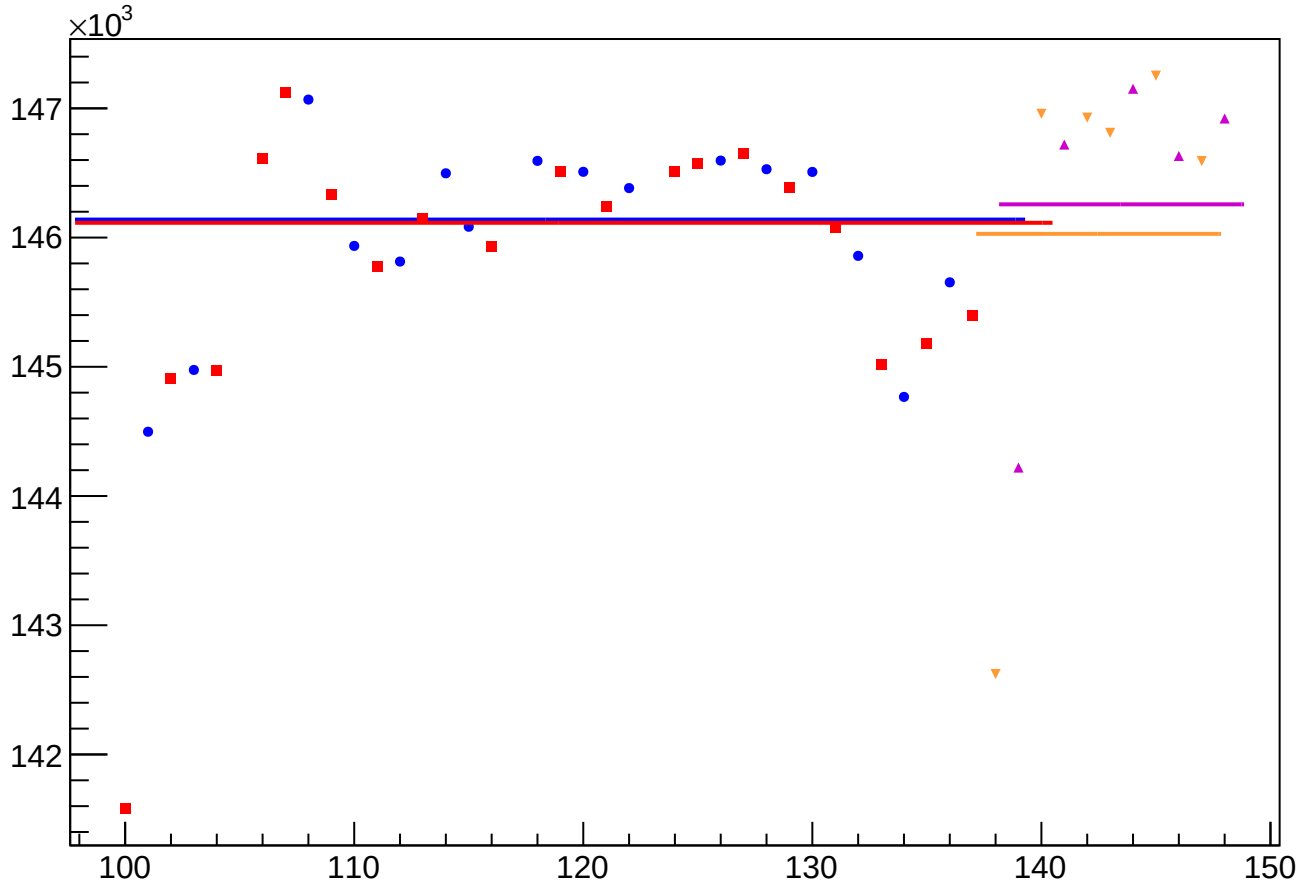
Left: 203.004+/-0.050 χ^2/NDF: 510124.9/10

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 176.706+/-0.039 χ^2/NDF:1613591.4/20

Out: 167.010+/-0.036 χ^2/NDF:1942583.8/24

All: 171.545+/-0.027 χ^2/NDF: 3589412.1/45



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146028.729+/-0.095 χ^2/NDF:345353745.0/5

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146257.150+/-0.101 χ^2/NDF:131501648.2/4

Left: 146136.051+/-0.069 χ^2/NDF: 479574167.0/10

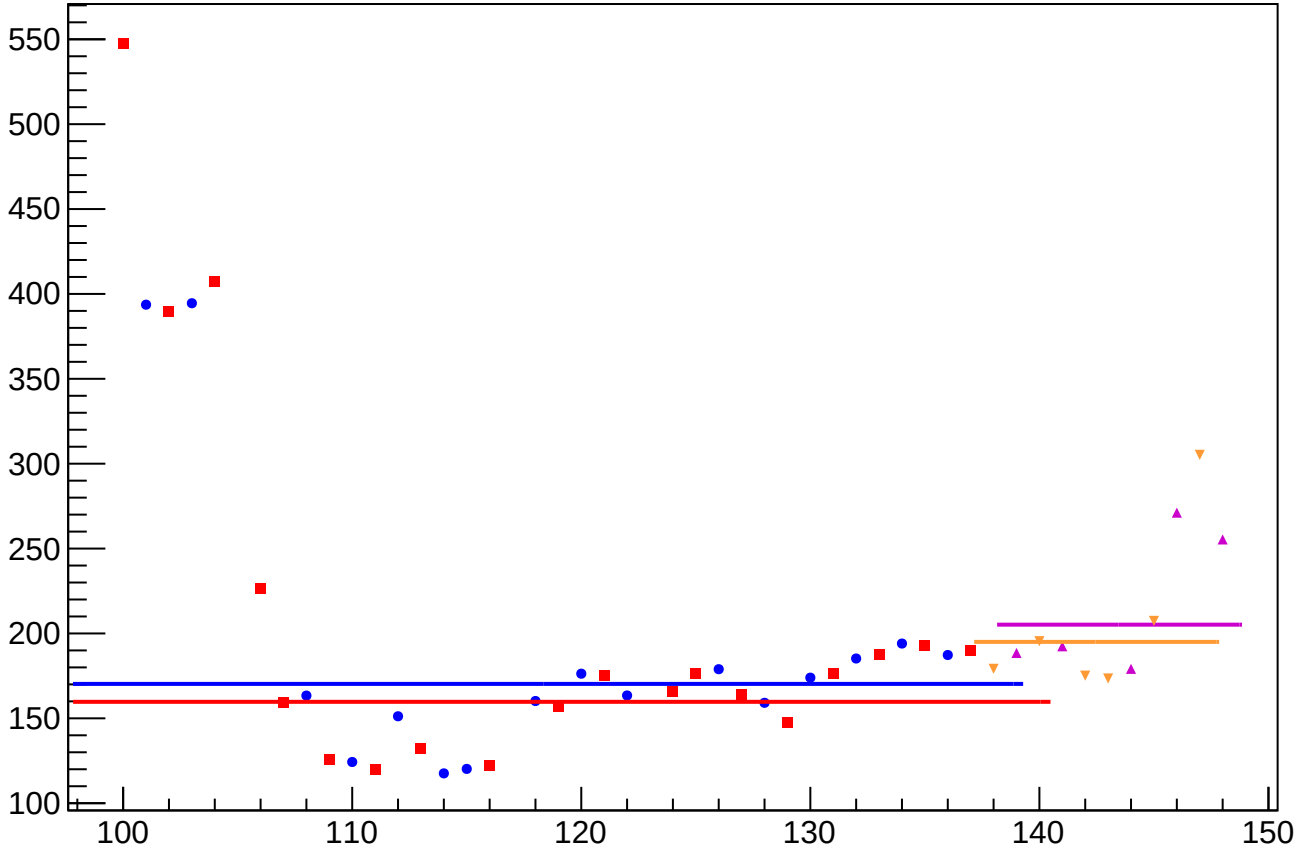
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146175.628+/-0.056 χ^2/NDF:204168276.4/20

Out: 146088.557+/-0.052 χ^2/NDF:419024640.7/24

All: 146129.006+/-0.038 χ^2/NDF: 62448572

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 195.034+/-0.067 χ^2/NDF:266355.1/5

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.173+/-0.071 χ^2/NDF:222923.7/4

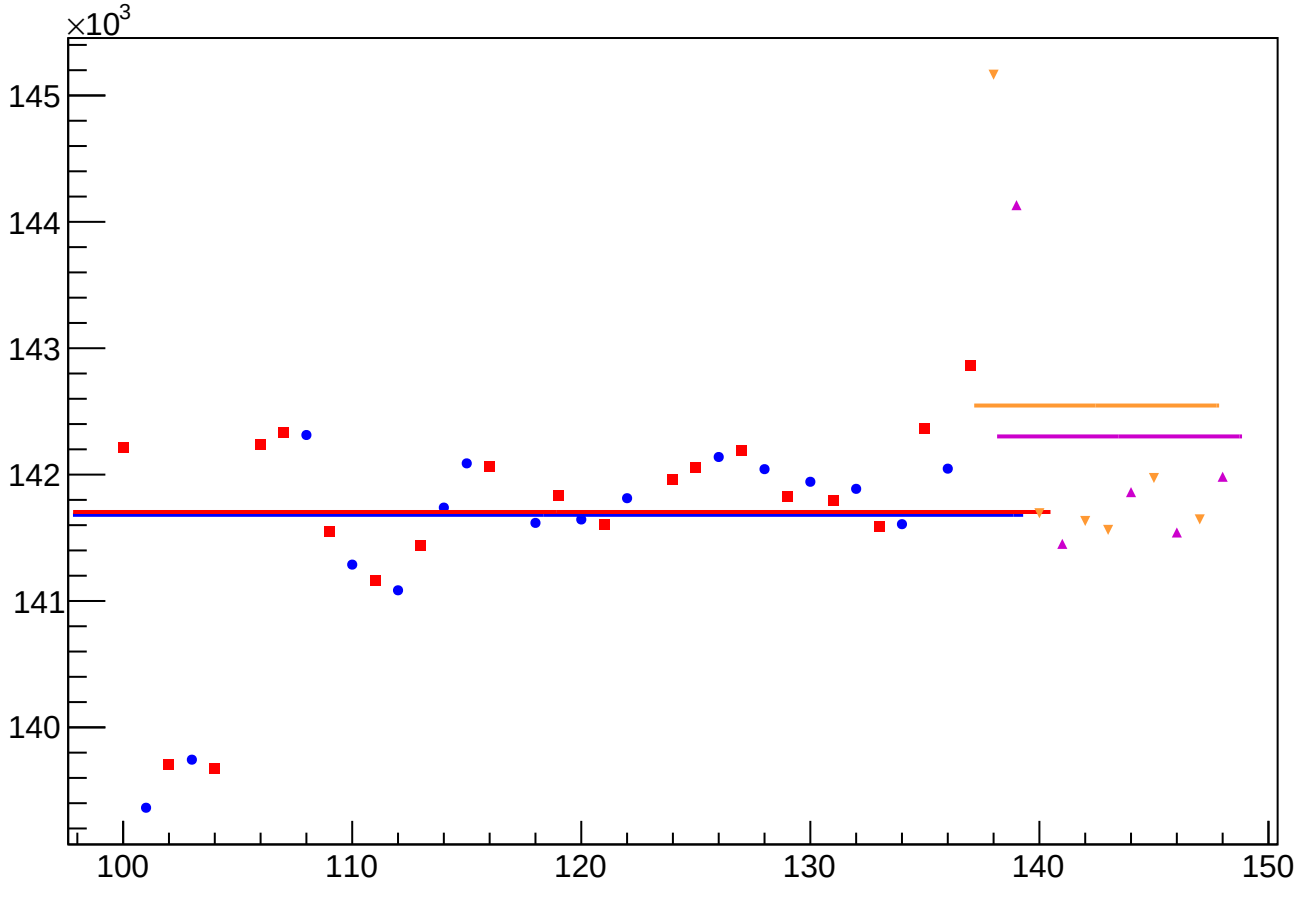
Left: 199.798+/-0.049 χ^2/NDF: 499992.3/10

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

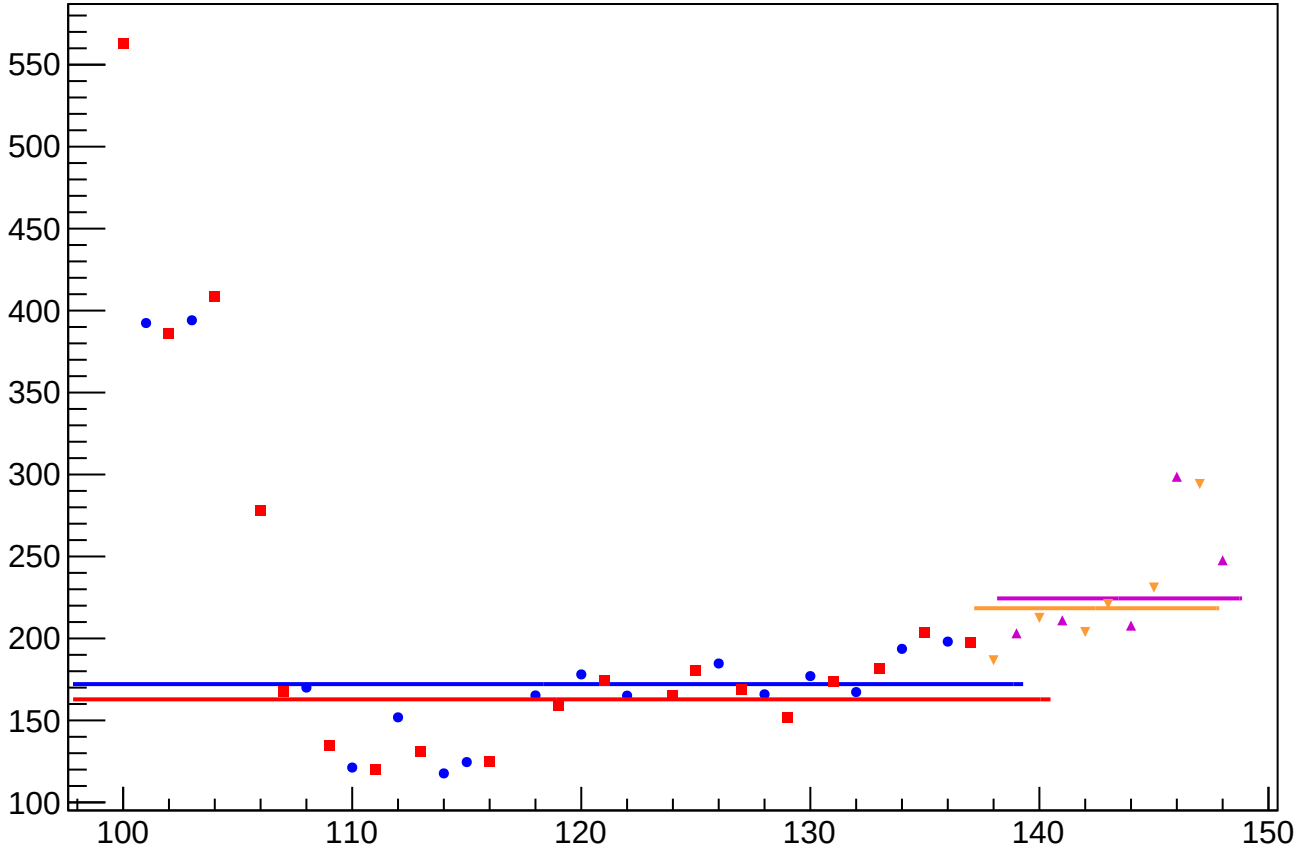
In: 181.048+/-0.040 χ^2/NDF:1446035.5/20

Out: 170.392+/-0.037 χ^2/NDF:1750636.9/24

All: 175.342+/-0.027 χ^2/NDF: 3235395.5/45


yield_bpm0l09WS_mean vs Slug, Sign Corrected
×10^3
145
144
143
142
141
140
100
110
120
130
140
150
Right In: 141681.846+/-0.068 χ²/NDF: 64292997.9/15
Left Out: 142546.627+/-0.105 χ²/NDF:199699746.4/5
Right Out: 141704.185+/-0.064 χ²/NDF: 65526811.0/18
Left In: 142302.098+/-0.110 χ²/NDF:92690511.0/4
Left: 142429.592+/-0.076 χ²/NDF: 294972844.4/10
Right: 141693.772+/-0.047 χ²/NDF: 129876966.3/3
In: 141854.616+/-0.058 χ²/NDF:179975558.6/20
Out: 141930.470+/-0.055 χ²/NDF:312069223.8/24
All: 141894.852+/-0.040 χ²/NDF: 49295246

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.429+/-0.074 χ^2/NDF:163448.8/5

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.421+/-0.078 χ^2/NDF:158015.5/4

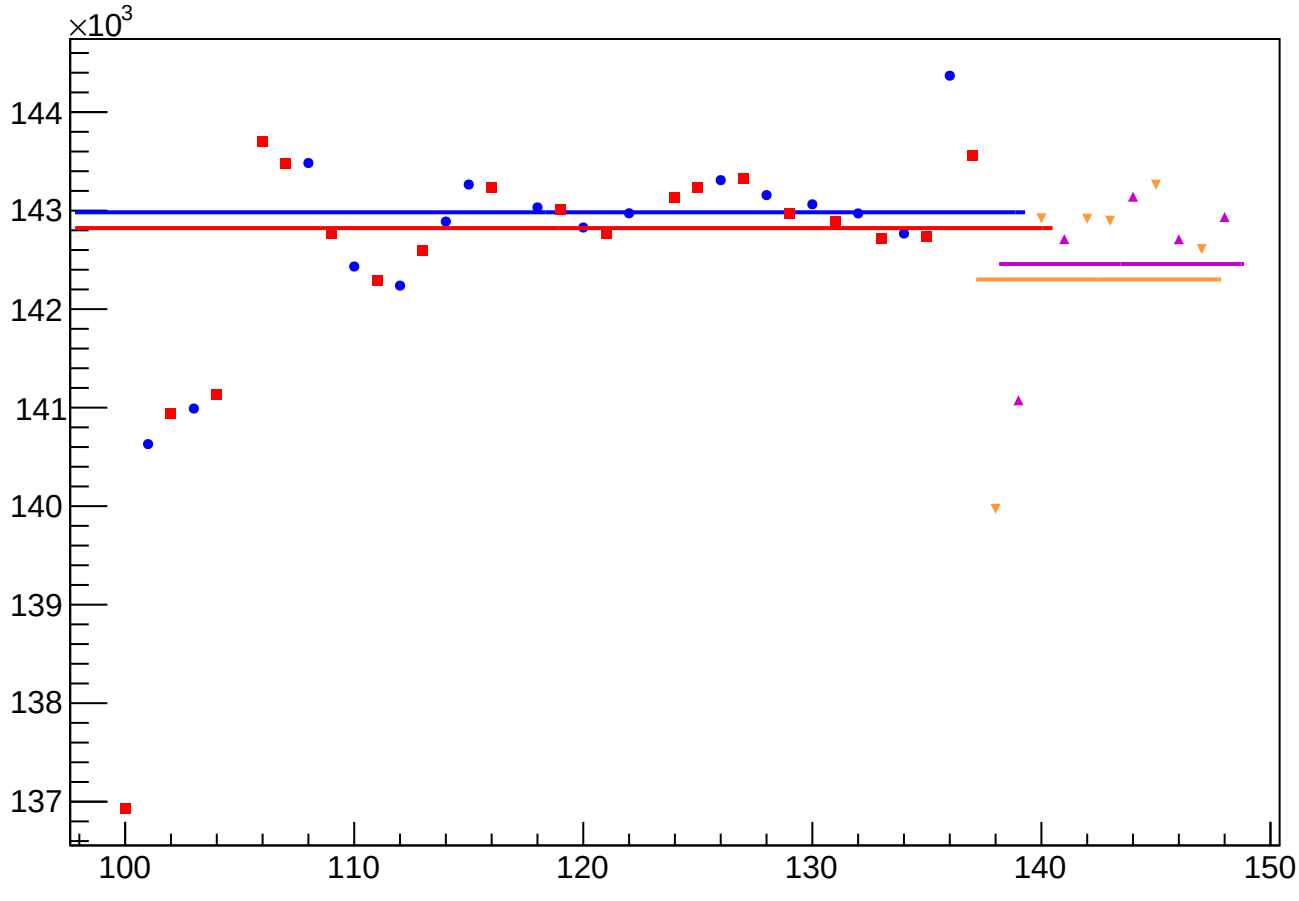
Left: 221.297+/-0.054 χ^2/NDF: 324565.5/10

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 186.702+/-0.041 χ^2/NDF:1553325.9/20

Out: 177.775+/-0.039 χ^2/NDF:1877155.3/24

All: 181.967+/-0.028 χ^2/NDF: 3455623.9/45



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142301.114+/-0.093 χ^2/NDF:180665953.1/5

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142458.226+/-0.099 χ^2/NDF:66421630.7/4

Left: 142374.761+/-0.068 χ^2/NDF: 248435641.2/10

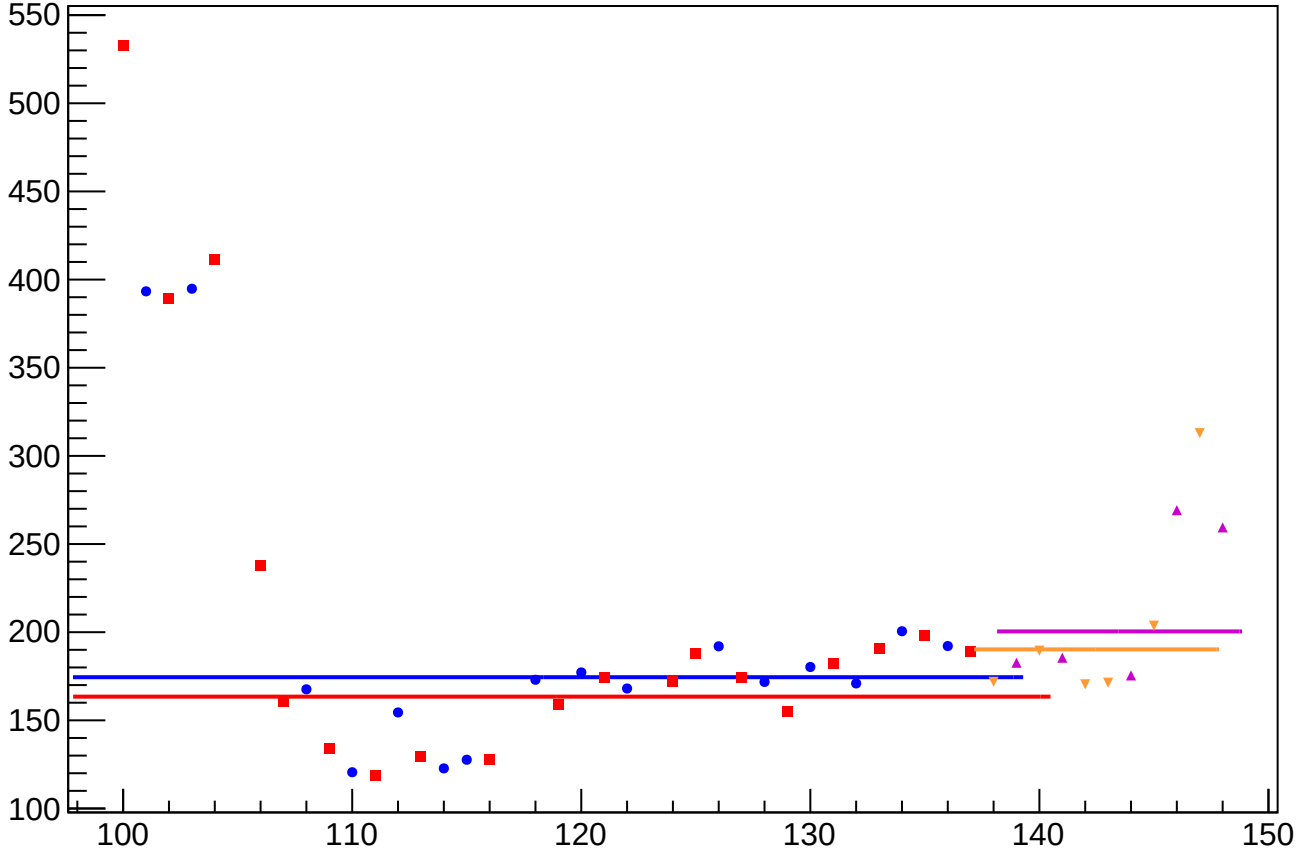
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142810.191+/-0.057 χ^2/NDF:193105464.2/20

Out: 142654.109+/-0.053 χ^2/NDF:265698583.8/24

All: 142726.554+/-0.039 χ^2/NDF: 46287918

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 190.251+/-0.066 χ^2/NDF:306968.2/5

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.433+/-0.070 χ^2/NDF:259886.2/4

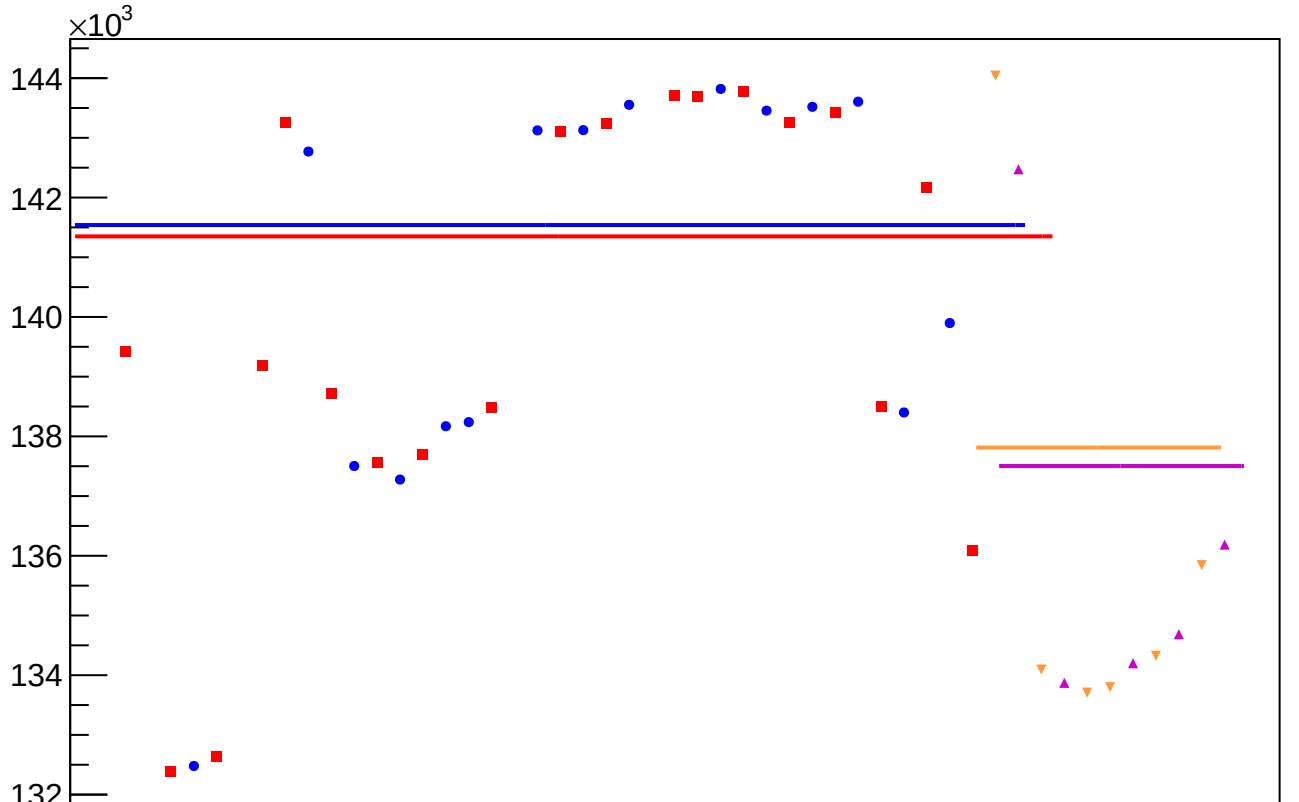
Left: 195.024+/-0.048 χ^2/NDF: 578177.0/10

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 183.018+/-0.040 χ^2/NDF:1401985.6/20

Out: 172.113+/-0.037 χ^2/NDF:1702743.7/24

All: 177.174+/-0.027 χ^2/NDF: 3144515.4/45



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137812.848+/-0.145 χ^2/NDF:1052080793.6/5

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 137503.227+/-0.152 χ^2/NDF:644350751.3/4

Left: 137665.030+/-0.105 χ^2/NDF: 1698595301.4/1

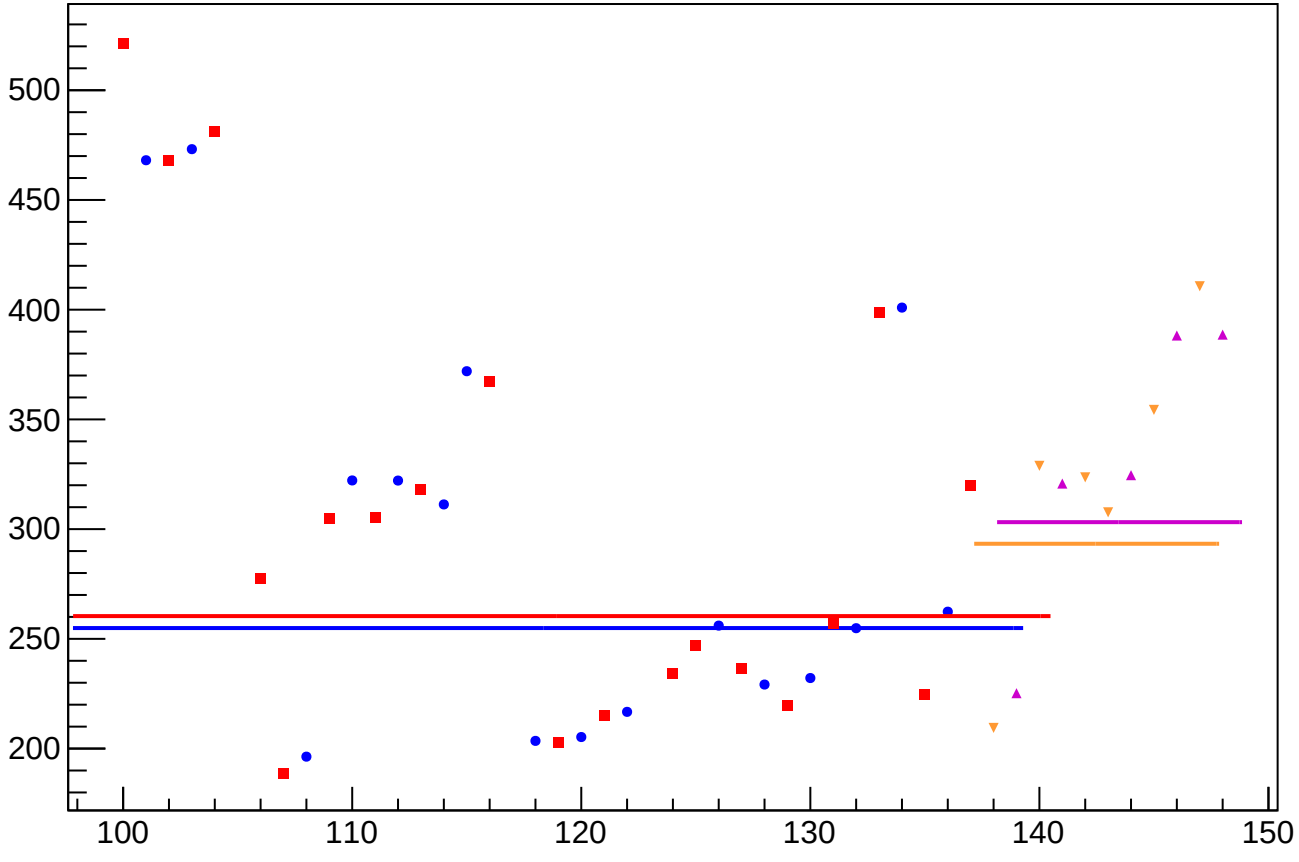
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140308.236+/-0.084 χ^2/NDF:2081089020.8/20

Out: 140197.972+/-0.083 χ^2/NDF:2377539881.4/2

All: 140252.410+/-0.059 χ^2/NDF: 44595004

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 293.331+/-0.103 χ^2/NDF:448098.1/5

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.178+/-0.108 χ^2/NDF:363935.9/4

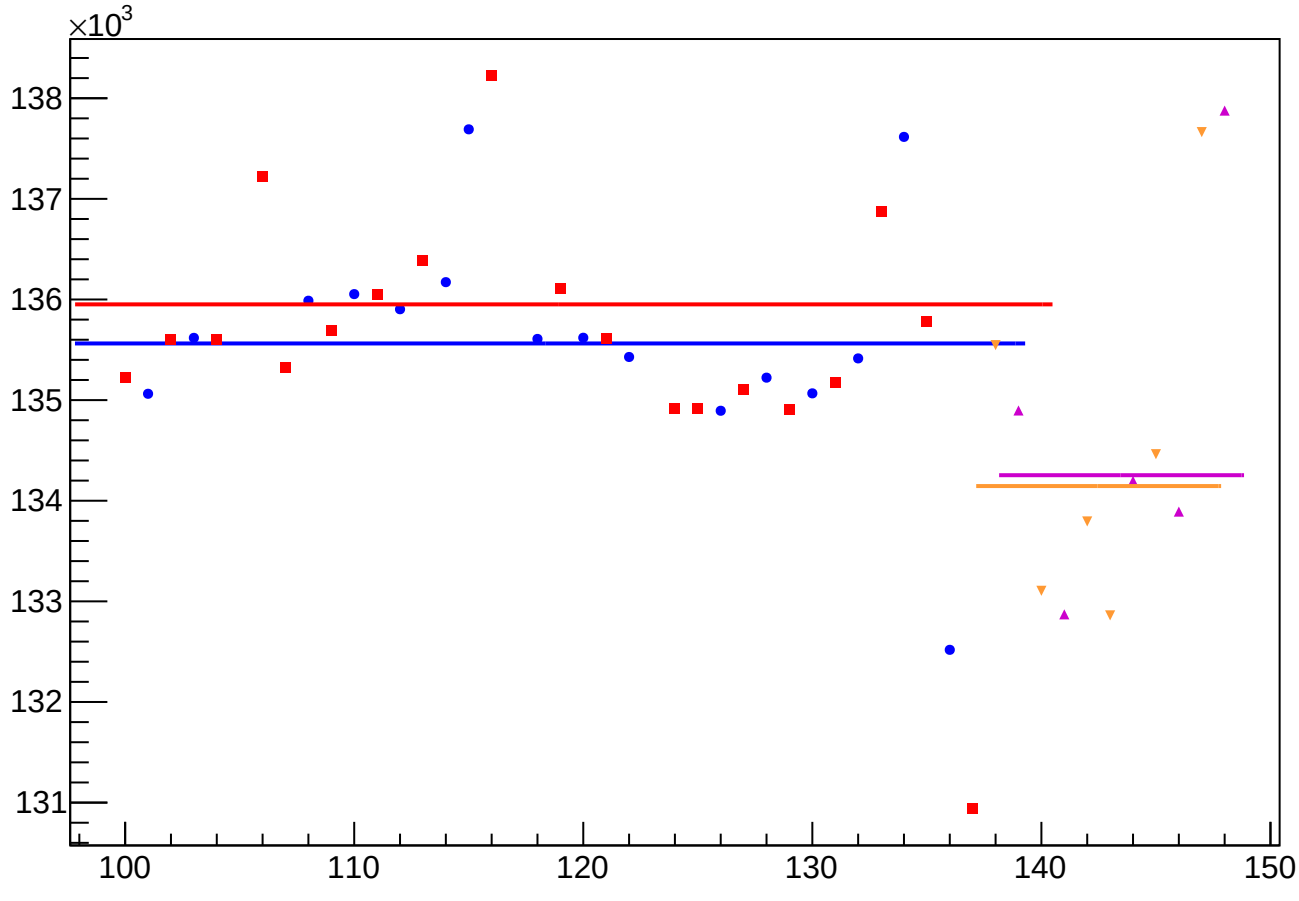
Left: 298.032+/-0.074 χ^2/NDF: 816410.6/10

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 269.640+/-0.059 χ^2/NDF:1453696.5/20

Out: 271.101+/-0.059 χ^2/NDF:1510685.4/24

All: 270.380+/-0.042 χ^2/NDF: 2964687.9/45



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134145.808+/-0.100 χ^2/NDF:165681539.7/5

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134253.764+/-0.109 χ^2/NDF:128389198.6/4

Left: 134195.614+/-0.074 χ^2/NDF: 294603775.0/10

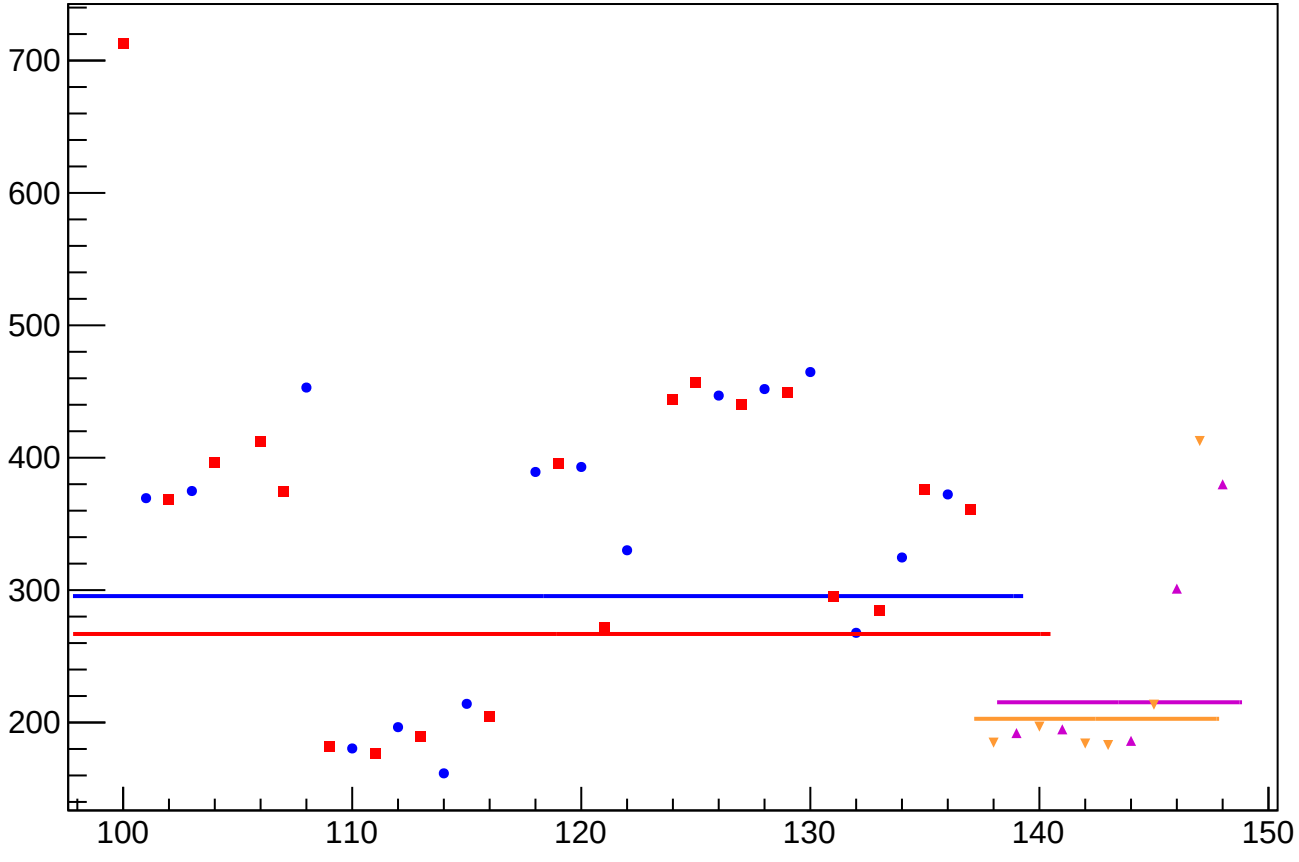
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134851.783+/-0.080 χ^2/NDF:289041927.6/20

Out: 134997.006+/-0.073 χ^2/NDF:409629131.4/24

All: 134930.993+/-0.054 χ^2/NDF: 70046899

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 202.799+/-0.071 χ^2/NDF:473255.0/5

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 215.280+/-0.077 χ^2/NDF:529542.9/4

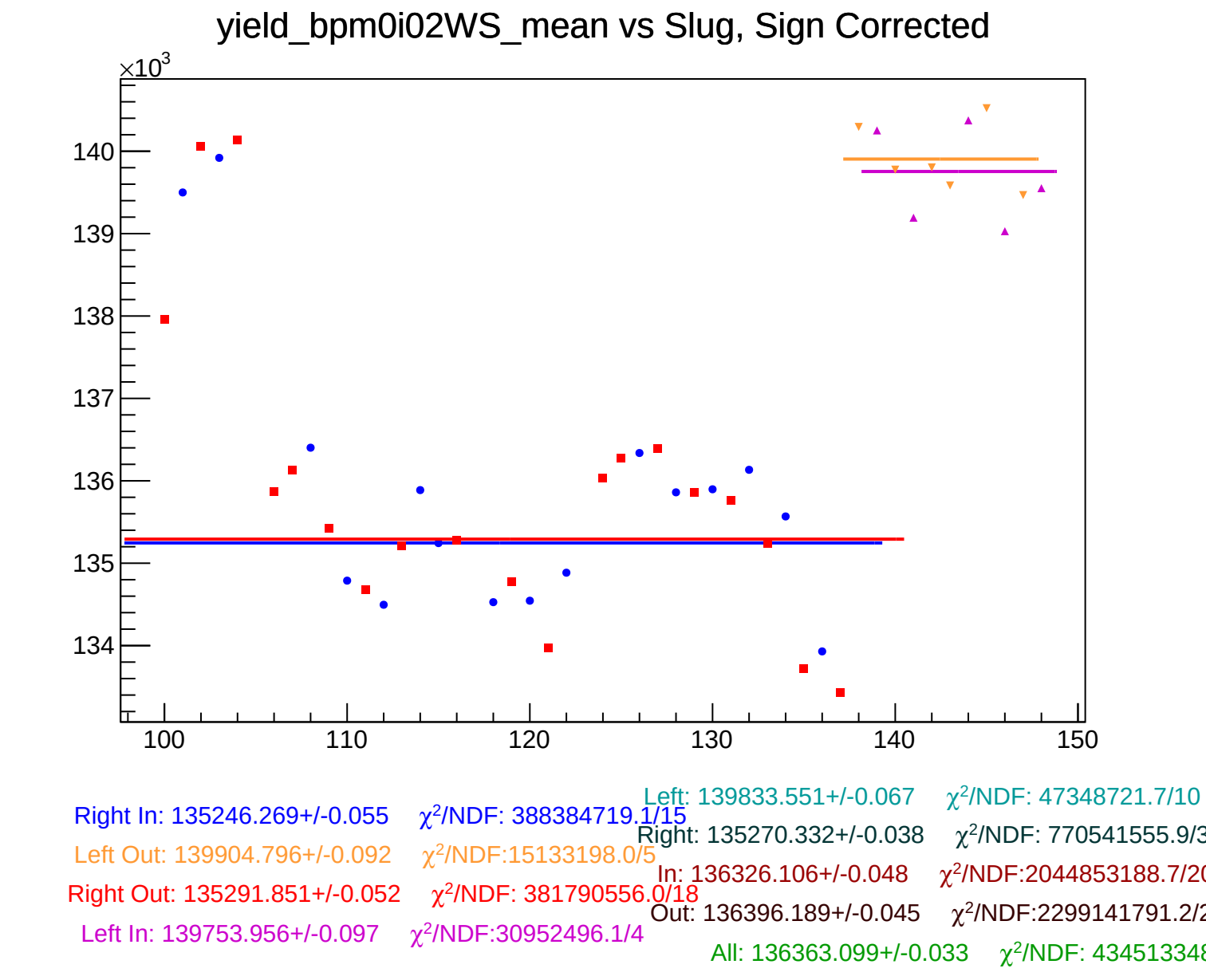
Left: 208.557+/-0.052 χ^2/NDF: 1017047.4/10

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

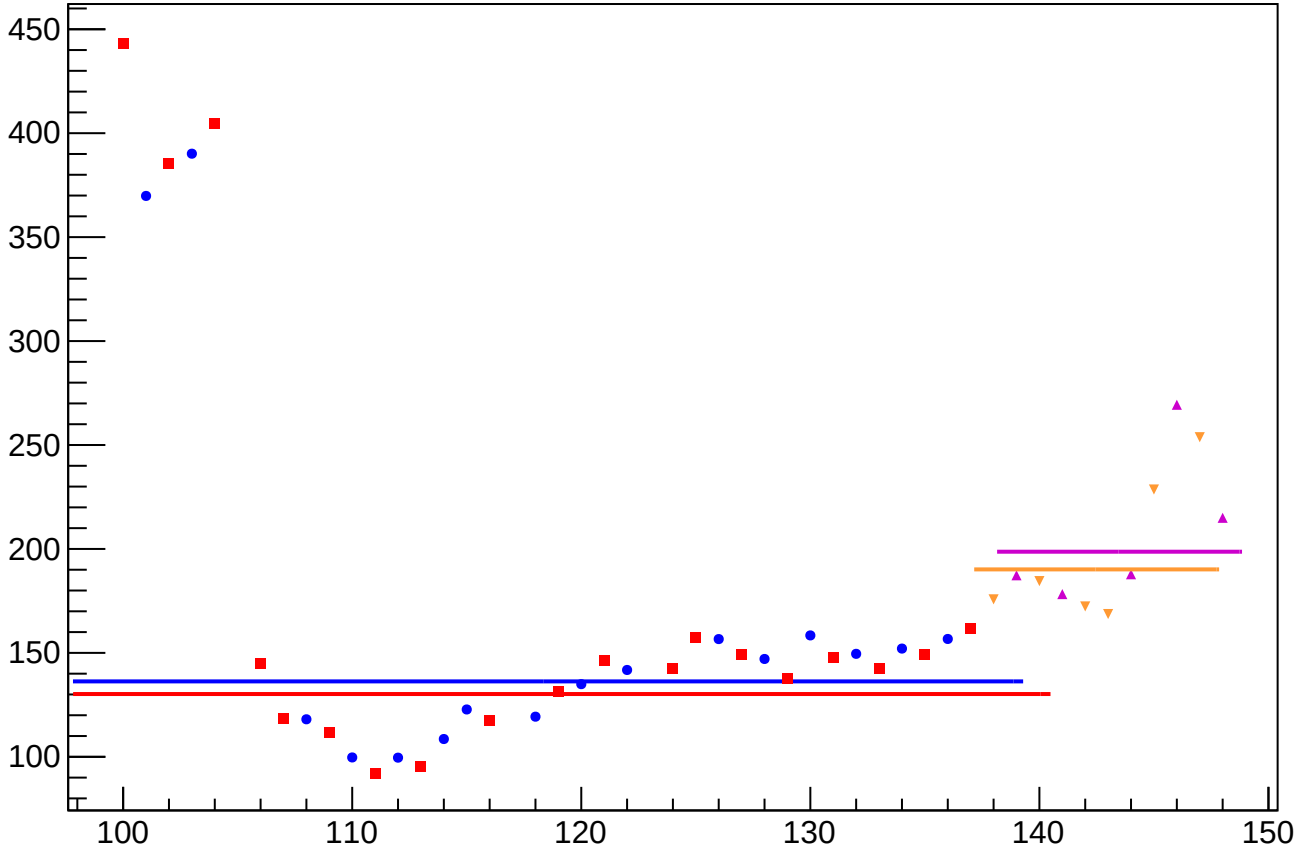
In: 251.912+/-0.057 χ^2/NDF:2470992.3/20

Out: 232.999+/-0.052 χ^2/NDF:2534939.1/24

All: 241.596+/-0.038 χ^2/NDF: 5066917.8/45


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
140
139
138
137
136
135
134
100
110
120
130
140
150
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 139904.796+/-0.092 χ²/NDF:15133198.0/5
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 139753.956+/-0.097 χ²/NDF:30952496.1/4
Left: 139833.551+/-0.067 χ²/NDF: 47348721.7/10
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 136326.106+/-0.048 χ²/NDF:2044853188.7/20
Out: 136396.189+/-0.045 χ²/NDF:2299141791.2/2
All: 136363.099+/-0.033 χ²/NDF: 43451334

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 190.159+/-0.065 χ^2/NDF:188520.3/5

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 198.669+/-0.069 χ^2/NDF:159664.7/4

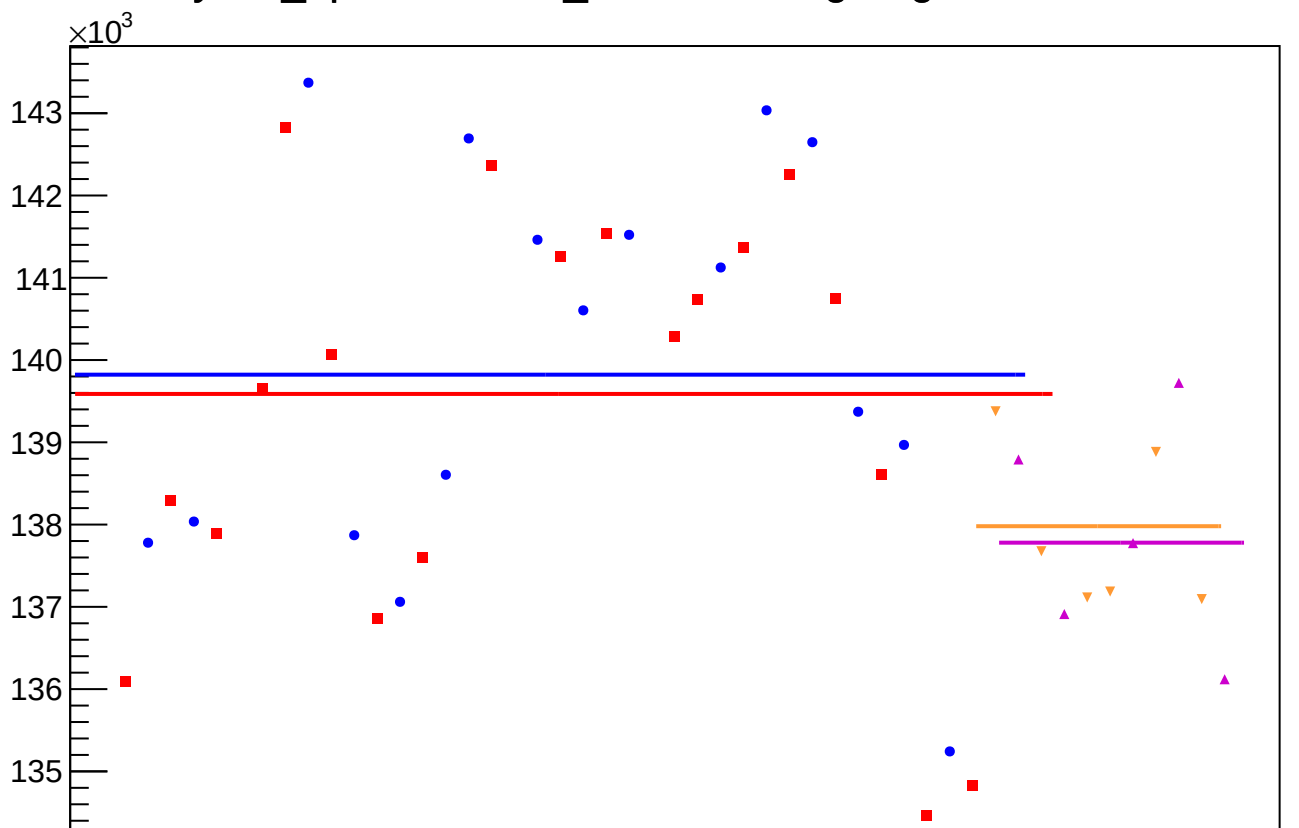
Left: 194.178+/-0.047 χ^2/NDF: 356224.9/10

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 151.229+/-0.034 χ^2/NDF:2166392.1/20

Out: 144.559+/-0.032 χ^2/NDF:2351988.5/24

All: 147.708+/-0.023 χ^2/NDF: 4539010.2/45



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137980.162+/-0.092 χ^2/NDF:102812870.4/5

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137780.012+/-0.098 χ^2/NDF:133033435.5/4

Left: 137886.331+/-0.067 χ^2/NDF: 238072283.6/10

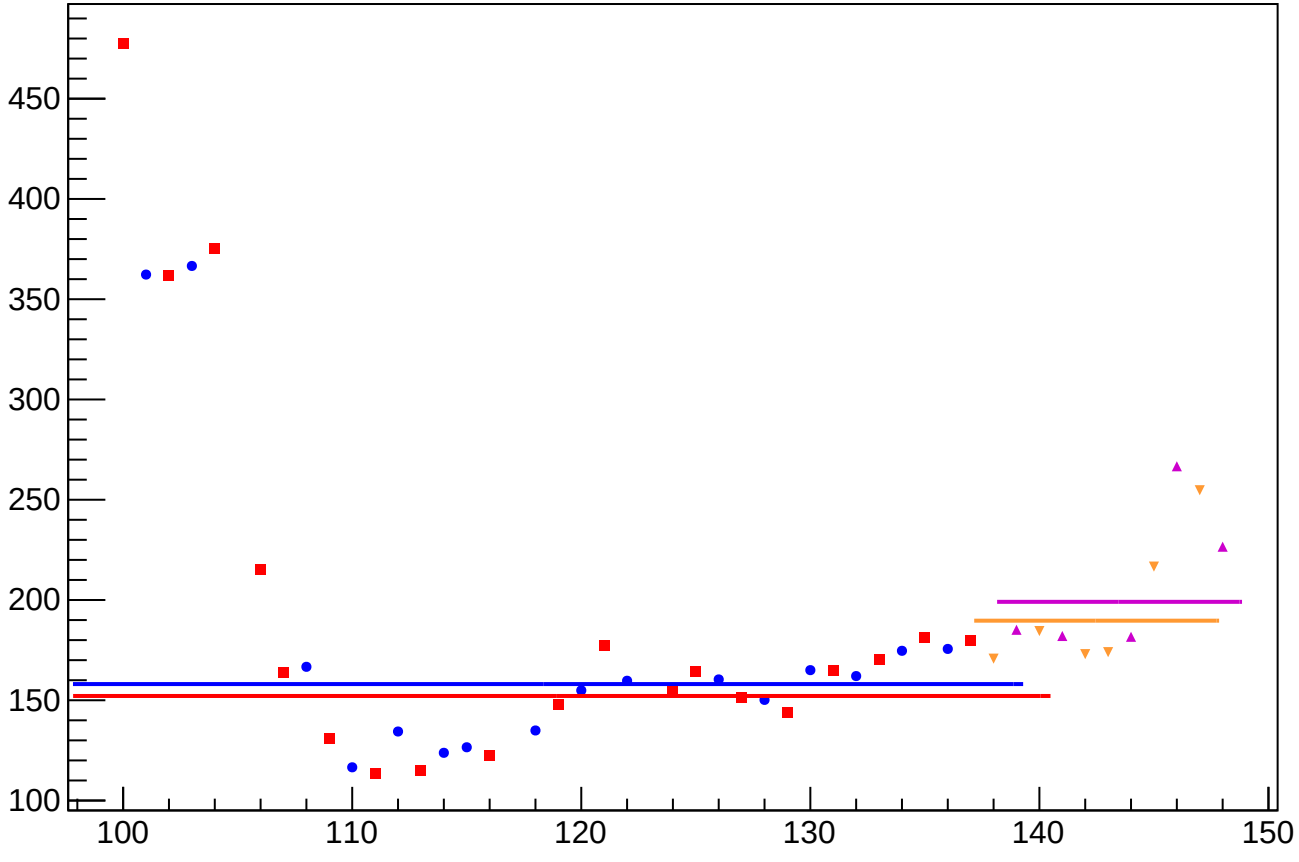
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139228.508+/-0.053 χ^2/NDF:2105835821.4/20

Out: 139110.114+/-0.050 χ^2/NDF:1801068978.2/2

All: 139166.268+/-0.036 χ^2/NDF: 39095564

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 189.691+/-0.065 χ^2/NDF:169548.7/5

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 199.087+/-0.069 χ^2/NDF:175375.8/4

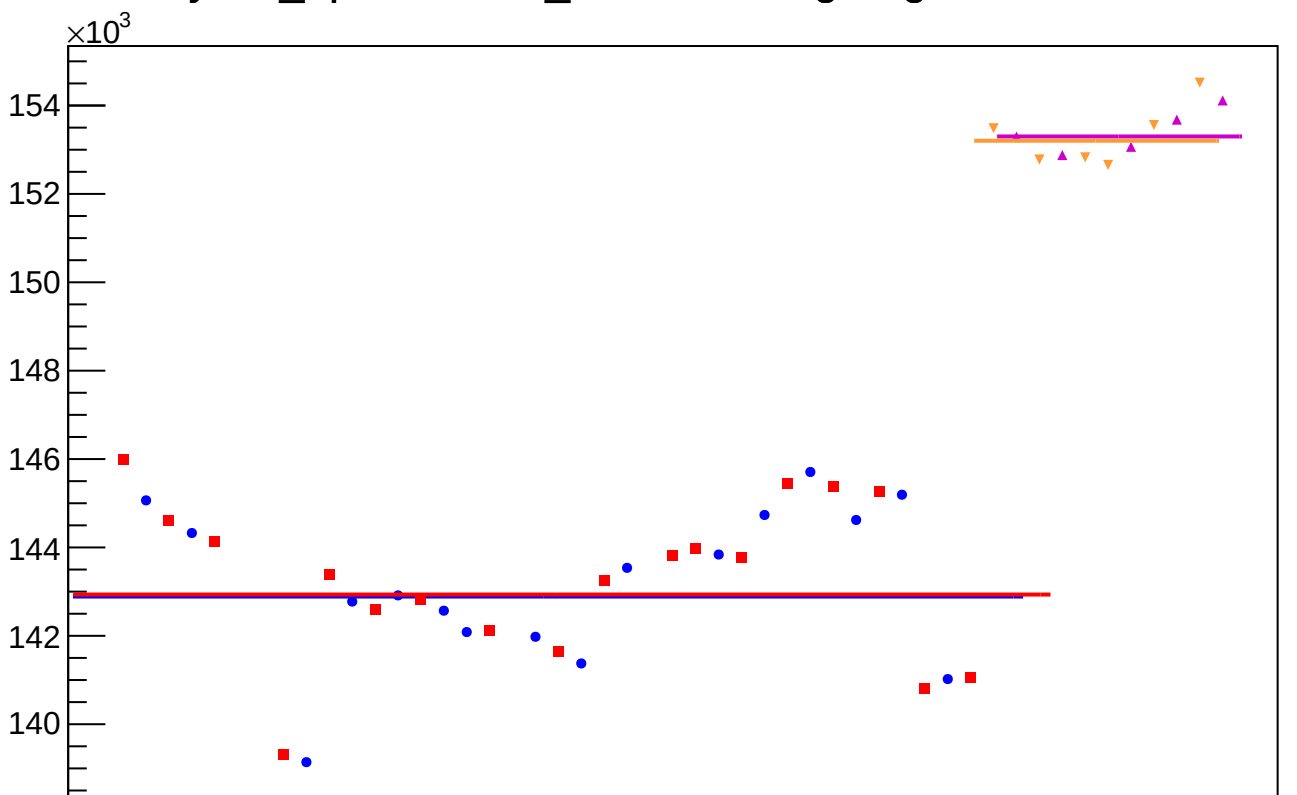
Left: 194.096+/-0.047 χ^2/NDF: 354734.4/10

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 170.000+/-0.037 χ^2/NDF:1442849.2/20

Out: 163.298+/-0.035 χ^2/NDF:1633554.2/24

All: 166.477+/-0.026 χ^2/NDF: 3093394.2/45



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153203.107+/-0.094 χ^2/NDF:38158571.6/5

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153299.944+/-0.099 χ^2/NDF:17275656.5/4

Left: 153248.948+/-0.068 χ^2/NDF: 55941681.6/10

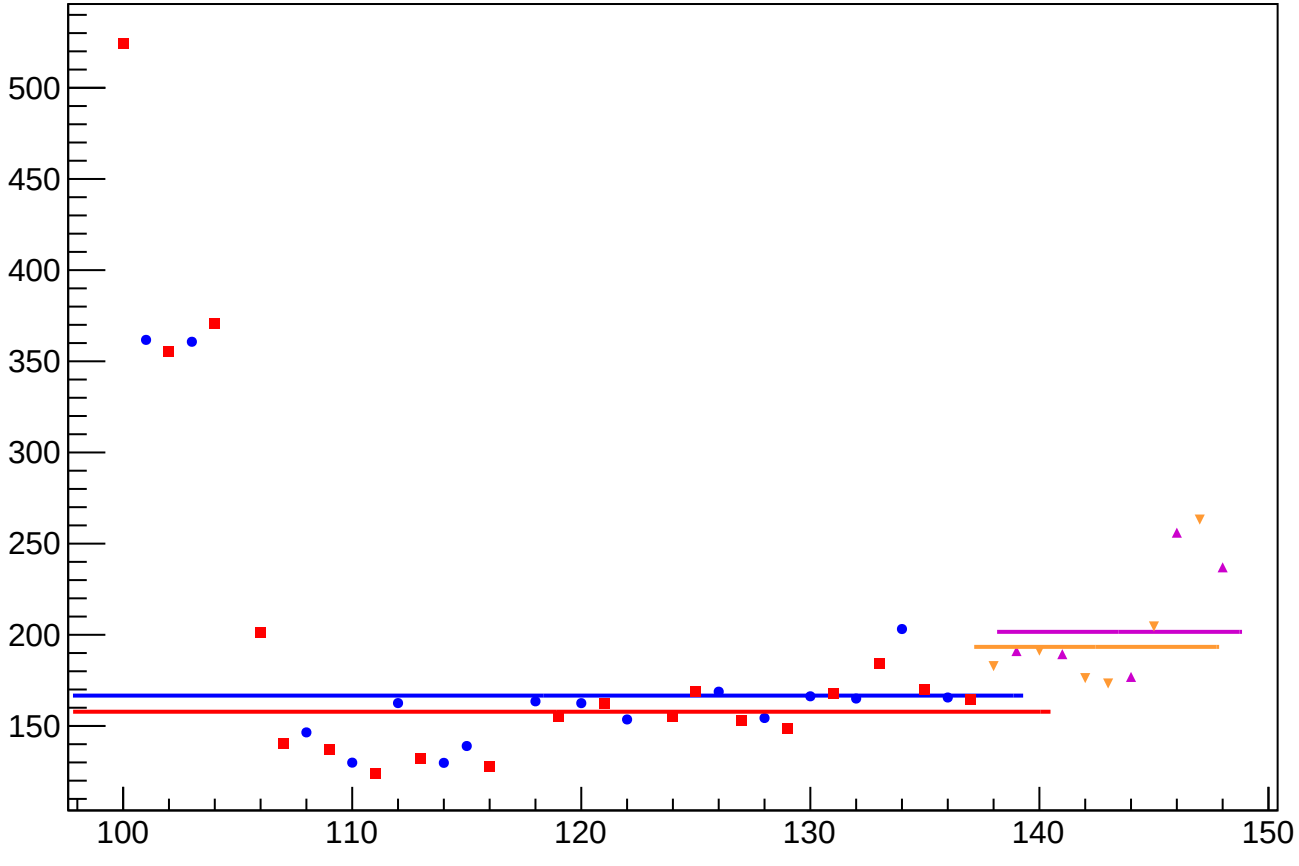
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 146087.203+/-0.055 χ^2/NDF:8496686030.6/20

Out: 146036.266+/-0.051 χ^2/NDF:9238771208.6/2

All: 146060.168+/-0.037 χ^2/NDF: 17735917

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 193.378+/-0.066 χ^2/NDF:153876.7/5

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.620+/-0.070 χ^2/NDF:161230.0/4

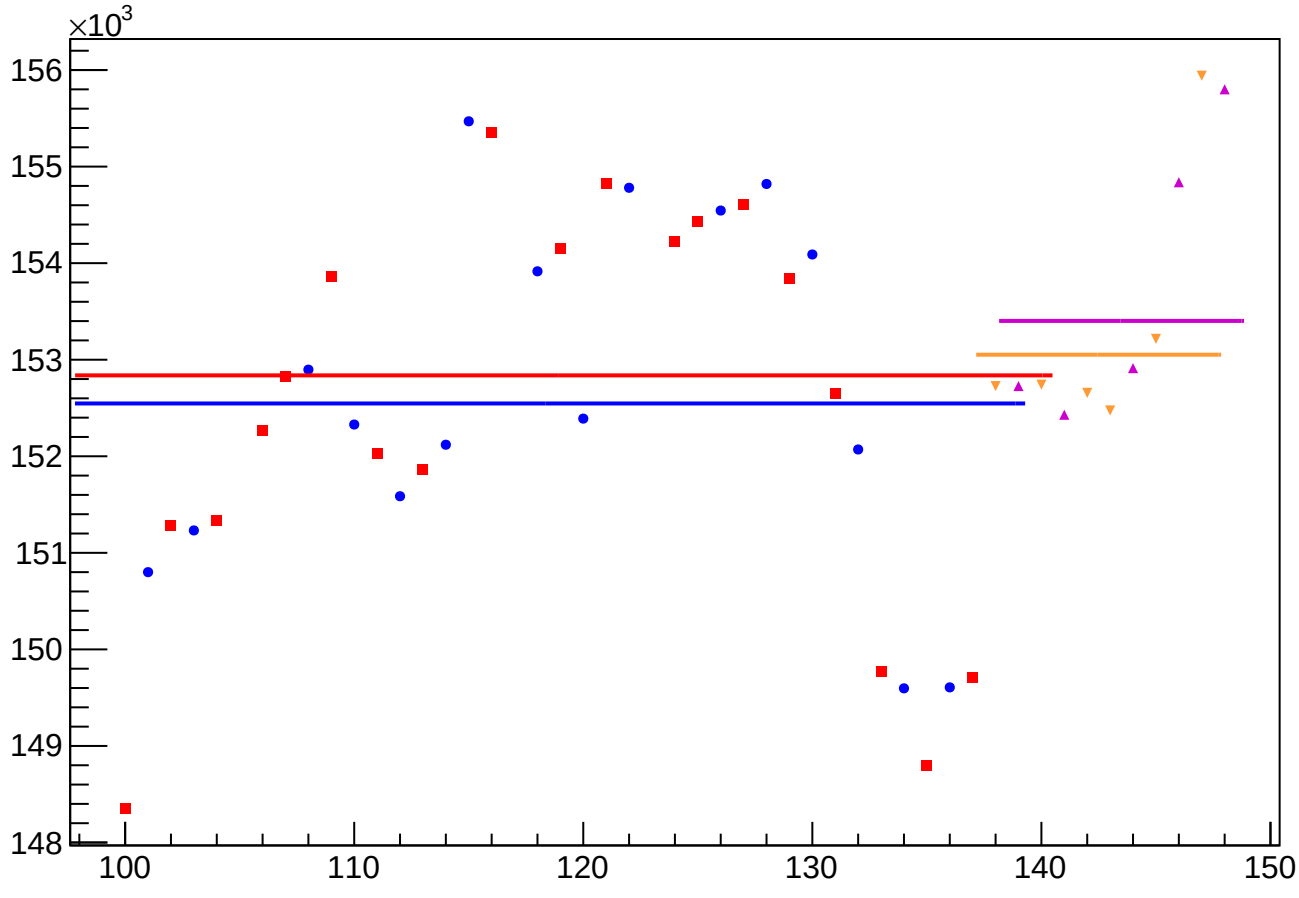
Left: 197.280+/-0.048 χ^2/NDF: 322458.1/10

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 177.396+/-0.039 χ^2/NDF:1198871.1/20

Out: 168.555+/-0.036 χ^2/NDF:1378079.7/24

All: 172.704+/-0.026 χ^2/NDF: 2604711.1/45



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153051.978+/-0.092 χ^2/NDF:110079789.9/5

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153401.949+/-0.099 χ^2/NDF:146880568.8/4

Left: 153214.734+/-0.067 χ^2/NDF: 263649031.0/10

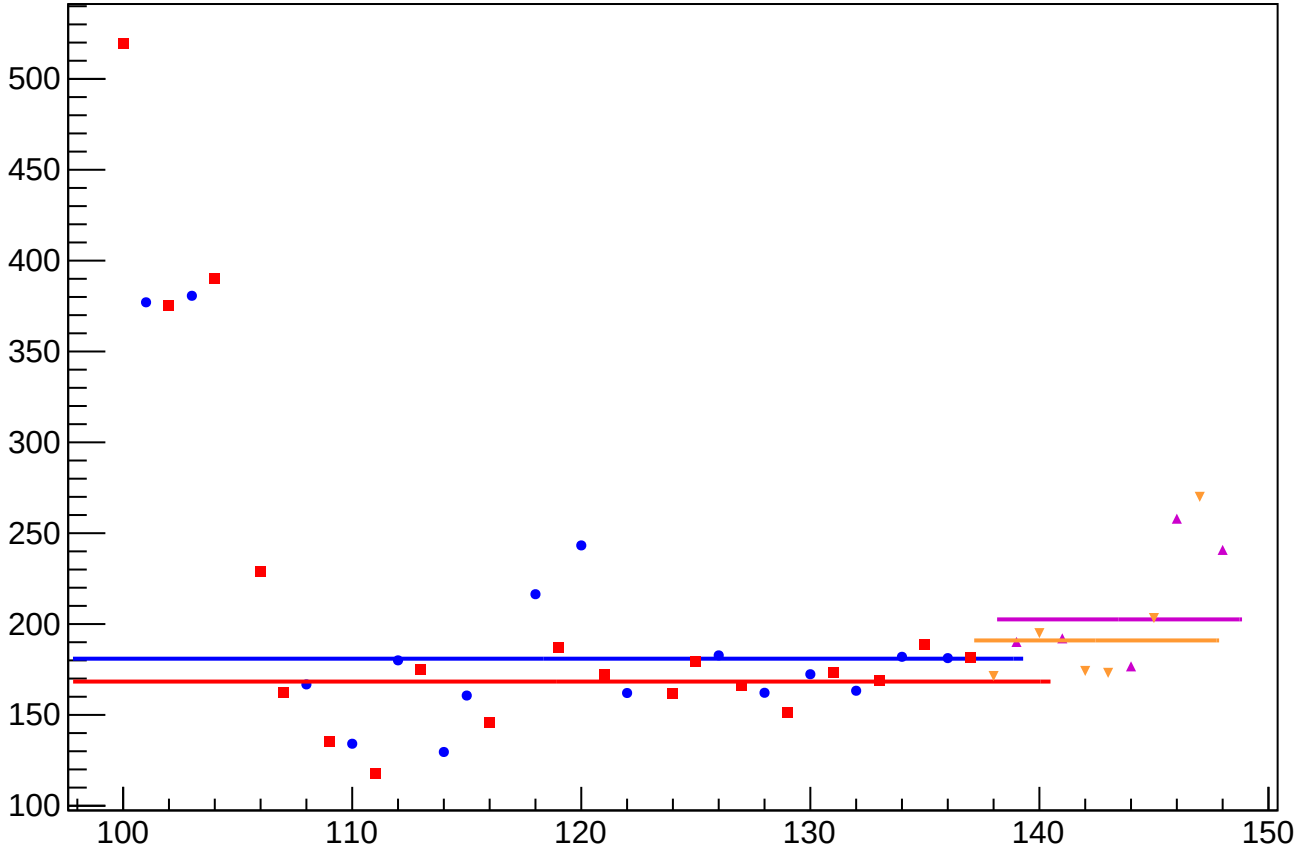
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152846.108+/-0.059 χ^2/NDF:849939827.1/20

Out: 152911.296+/-0.054 χ^2/NDF:850523644.1/24

All: 152881.310+/-0.040 χ^2/NDF: 17011329

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 190.987+/-0.065 χ^2/NDF:191220.6/5

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

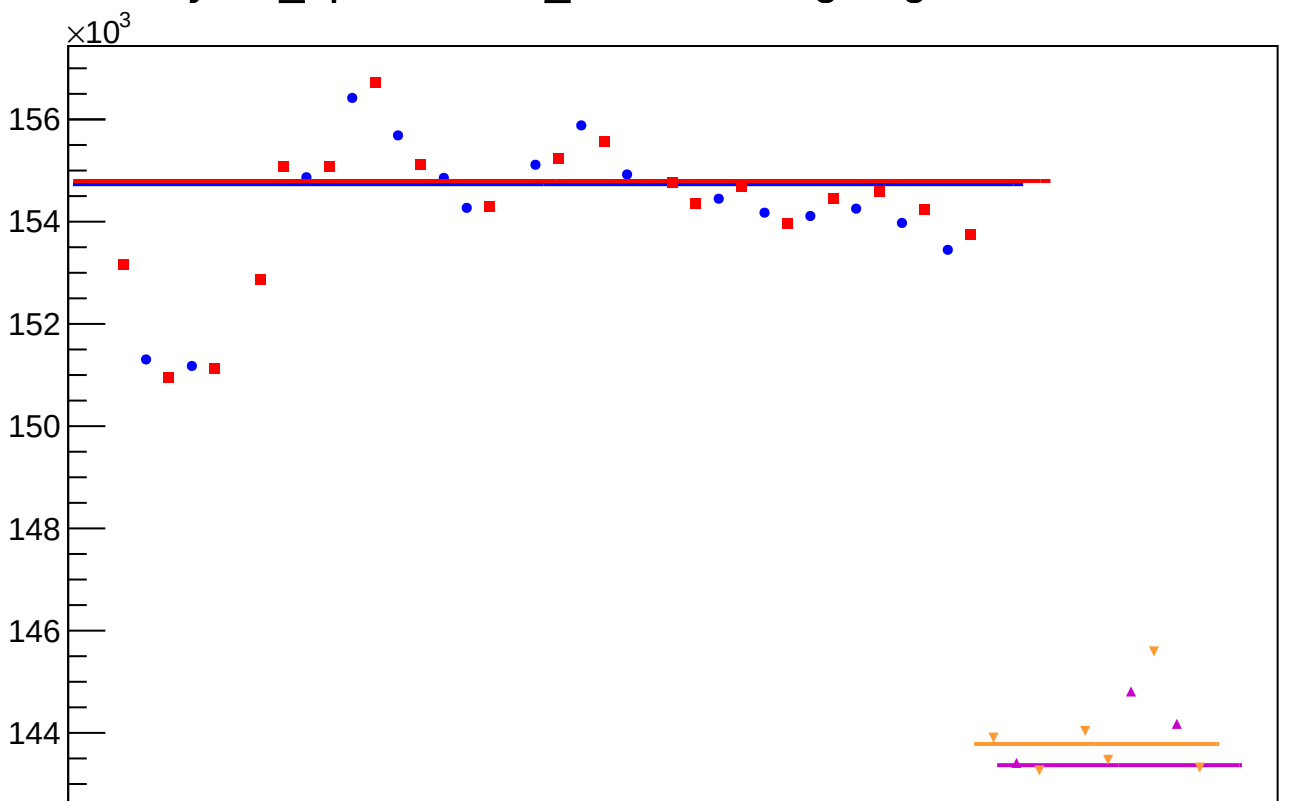
Left: 196.370+/-0.048 χ^2/NDF: 377592.4/10

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 188.506+/-0.041 χ^2/NDF:1141558.6/20

Out: 176.111+/-0.038 χ^2/NDF:1359397.1/24

All: 181.813+/-0.028 χ^2/NDF: 2549357.9/45



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143783.358+/-0.086 χ^2/NDF:68633561.4/5

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 143368.962+/-0.088 χ^2/NDF:115475633.5/4

Left: 143581.704+/-0.061 χ^2/NDF: 195524280.4/10

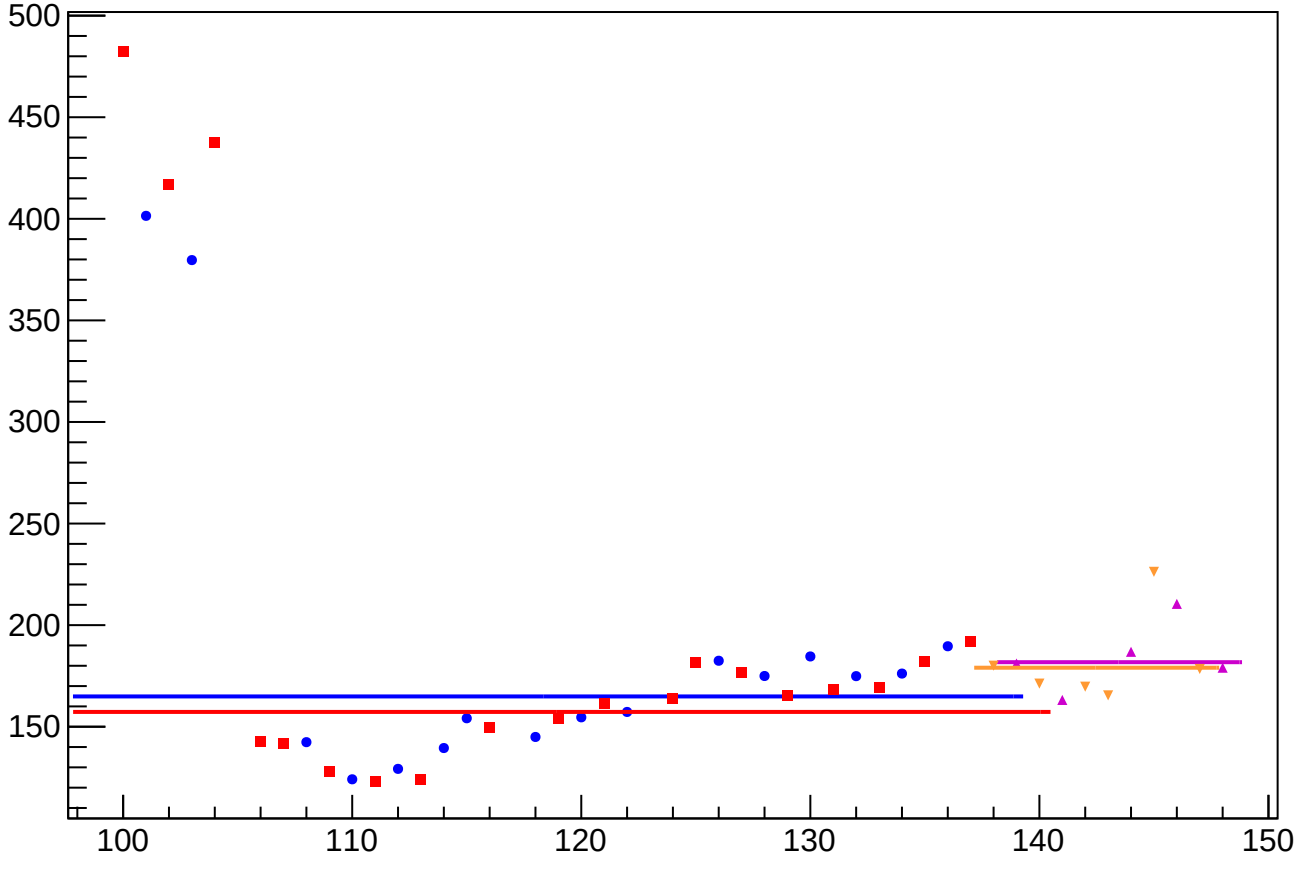
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 150699.028+/-0.052 χ^2/NDF:11175854444.7/2

Out: 151079.419+/-0.050 χ^2/NDF:11348507618.9

All: 150899.115+/-0.036 χ^2/NDF: 22552124(

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.042+/-0.061 χ^2/NDF:86983.9/5

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 181.764+/-0.062 χ^2/NDF:56909.1/4

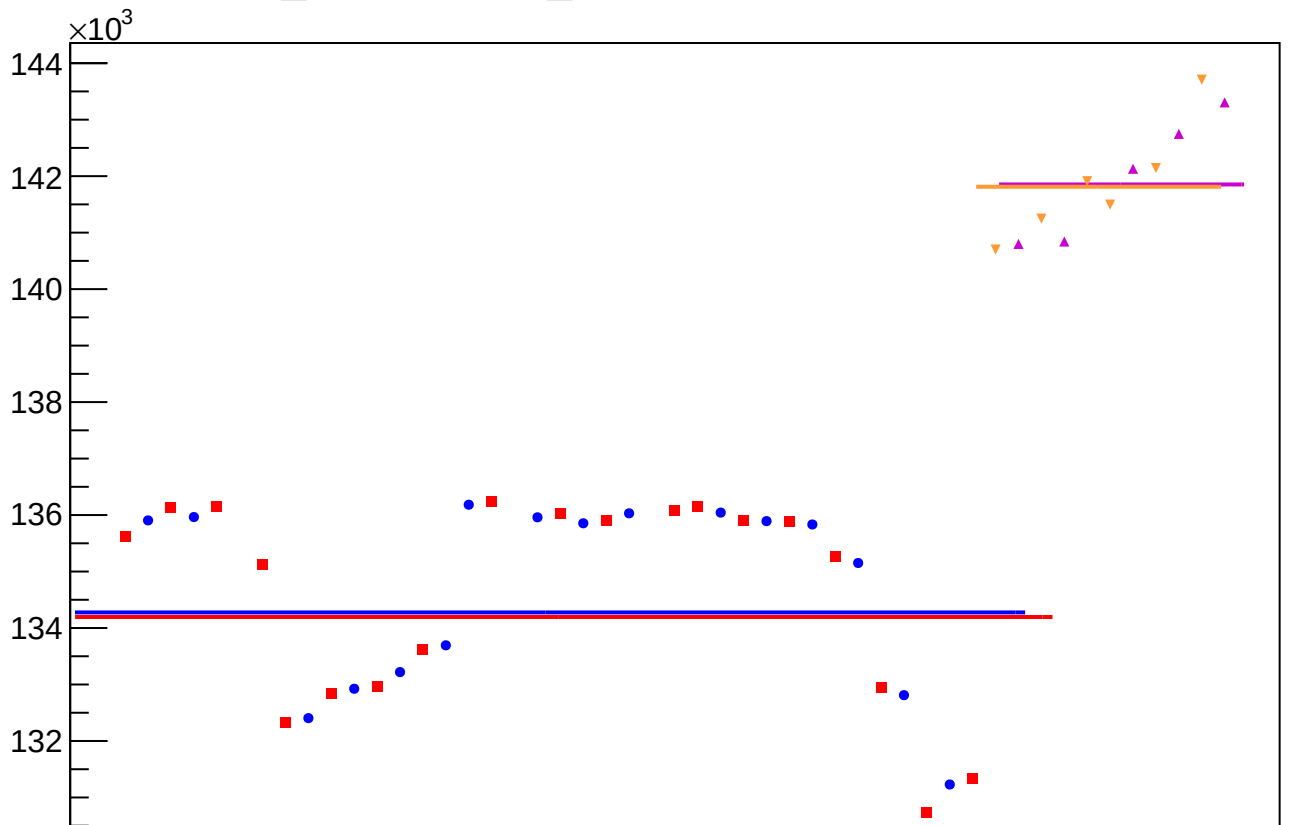
Left: 180.367+/-0.043 χ^2/NDF: 144877.8/10

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 170.891+/-0.037 χ^2/NDF:1177108.4/20

Out: 164.626+/-0.035 χ^2/NDF:1427516.3/24

All: 167.596+/-0.025 χ^2/NDF: 2619682.8/45



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141812.413+/-0.084 χ^2/NDF:134254382.8/5

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 141852.963+/-0.086 χ^2/NDF:137811132.7/4

Left: 141832.149+/-0.060 χ^2/NDF: 272178564.3/10

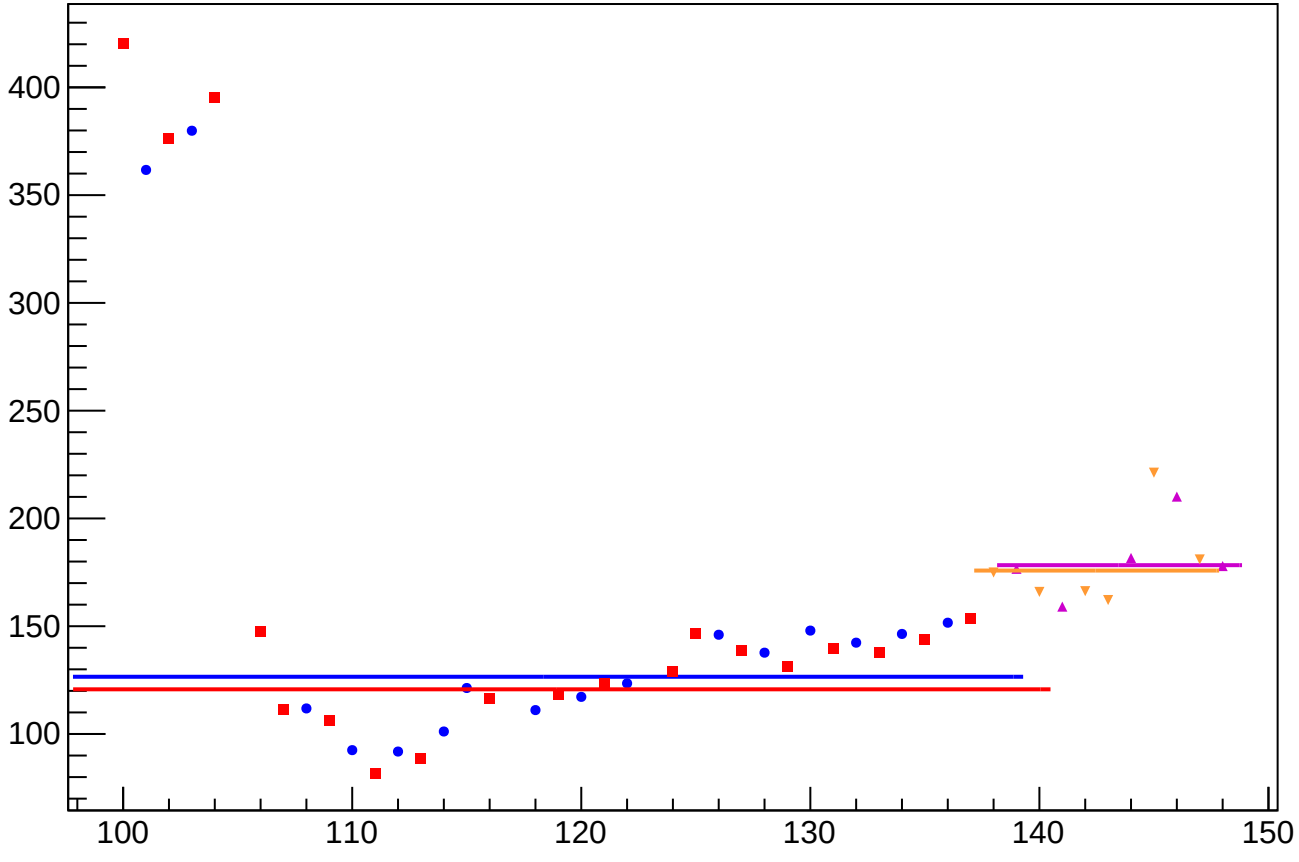
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 136223.773+/-0.044 χ^2/NDF:6993442112.4/20

Out: 136064.038+/-0.042 χ^2/NDF:7524723114.8/2

All: 136139.923+/-0.030 χ^2/NDF: 14525144

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.824+/-0.059 χ^2/NDF:89101.3/5

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.322+/-0.061 χ^2/NDF:66189.0/4

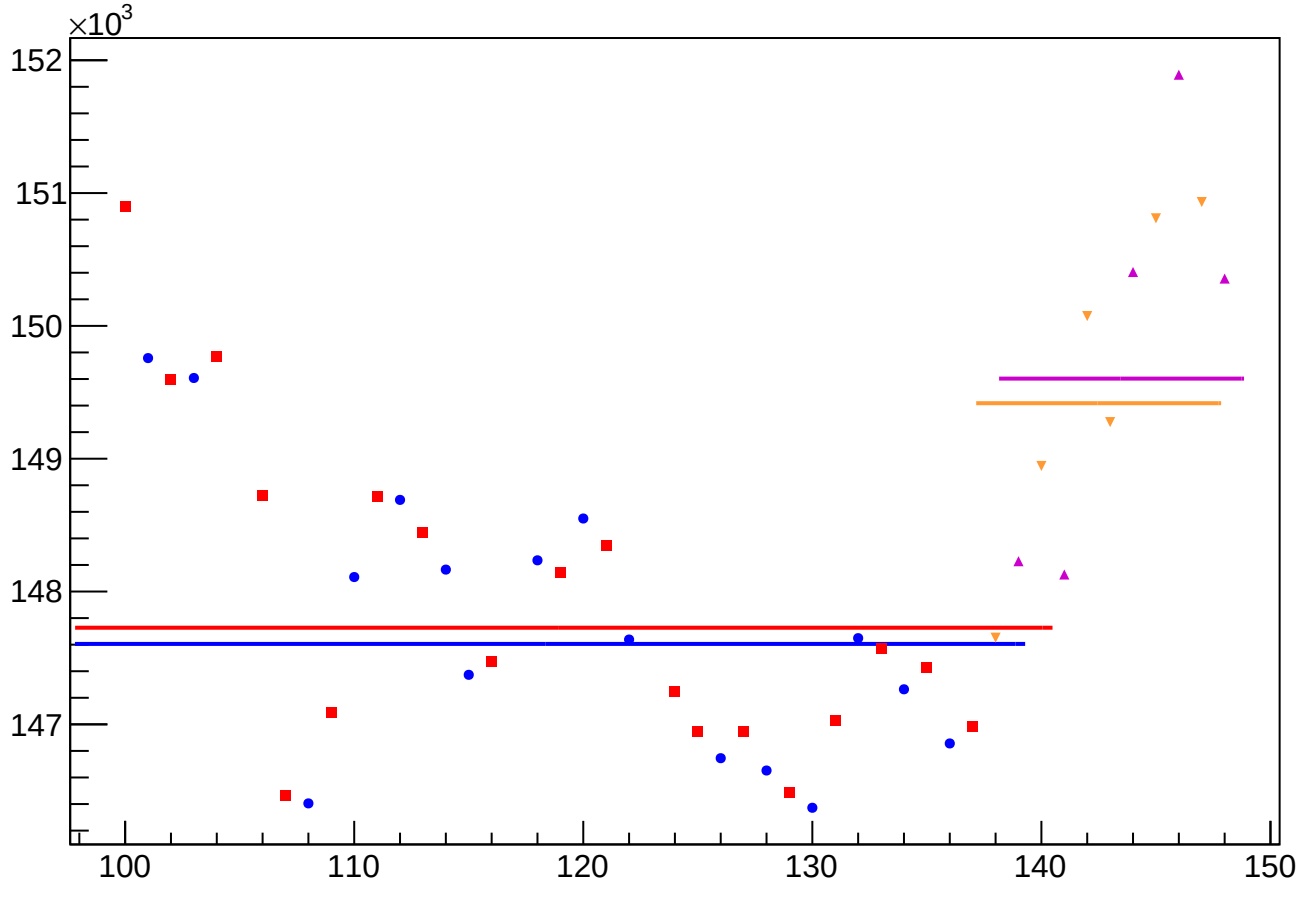
Left: 177.040+/-0.043 χ^2/NDF: 156147.8/10

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

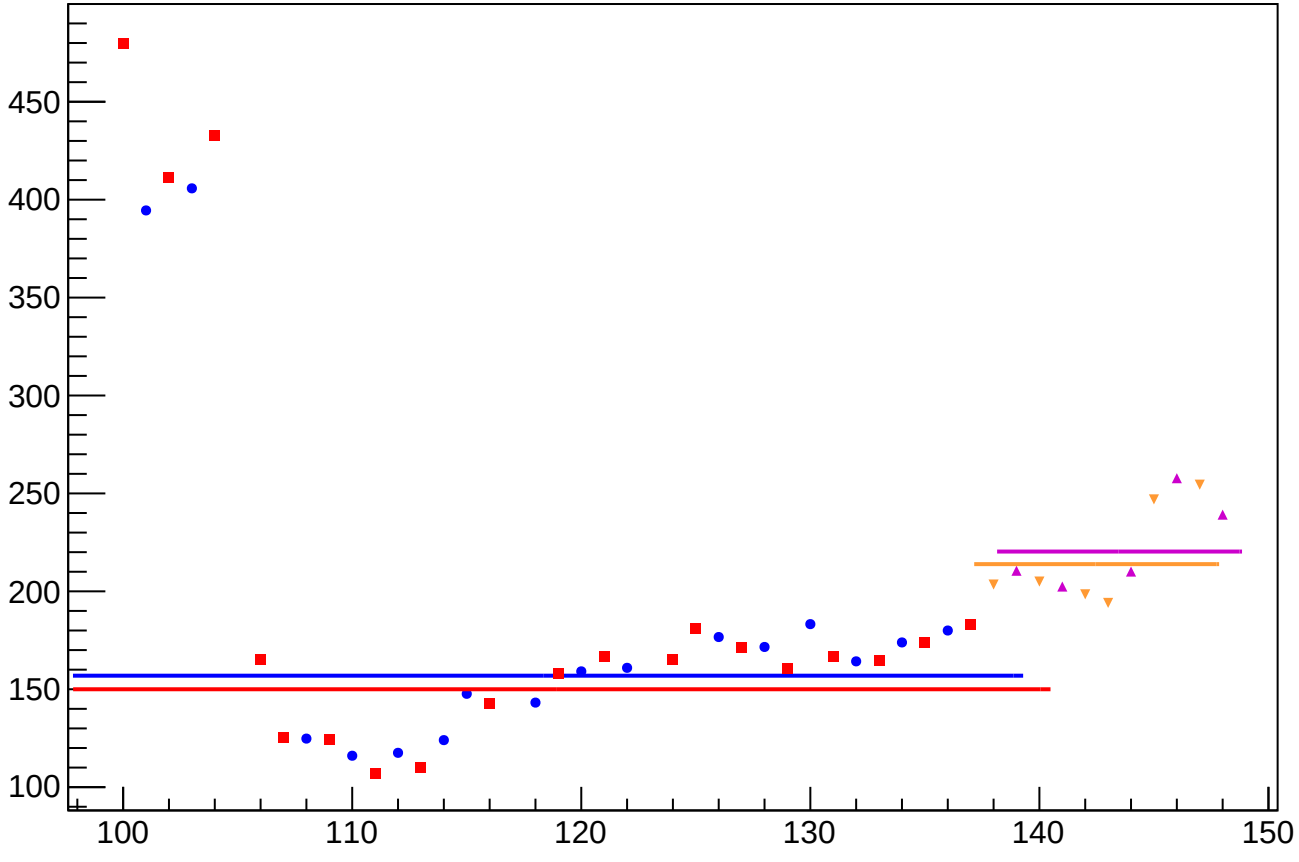
In: 139.859+/-0.031 χ^2/NDF:2077036.3/20

Out: 134.242+/-0.029 χ^2/NDF:2369124.3/24

All: 136.910+/-0.021 χ^2/NDF: 4463421.9/45


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
152
151
150
149
148
147
100
110
120
130
140
150
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 149417.899+/-0.102 χ²/NDF:121435277.0/5
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 149603.105+/-0.107 χ²/NDF:172786997.6/4
Left: 149506.744+/-0.074 χ²/NDF: 295794511.7/10
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 148116.697+/-0.054 χ²/NDF:634869935.0/20
Out: 148148.760+/-0.051 χ²/NDF:521212848.5/24
All: 148133.592+/-0.037 χ²/NDF: 11562692

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 213.891+/-0.072 χ^2/NDF:99296.3/5

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 220.317+/-0.075 χ^2/NDF:69002.6/4

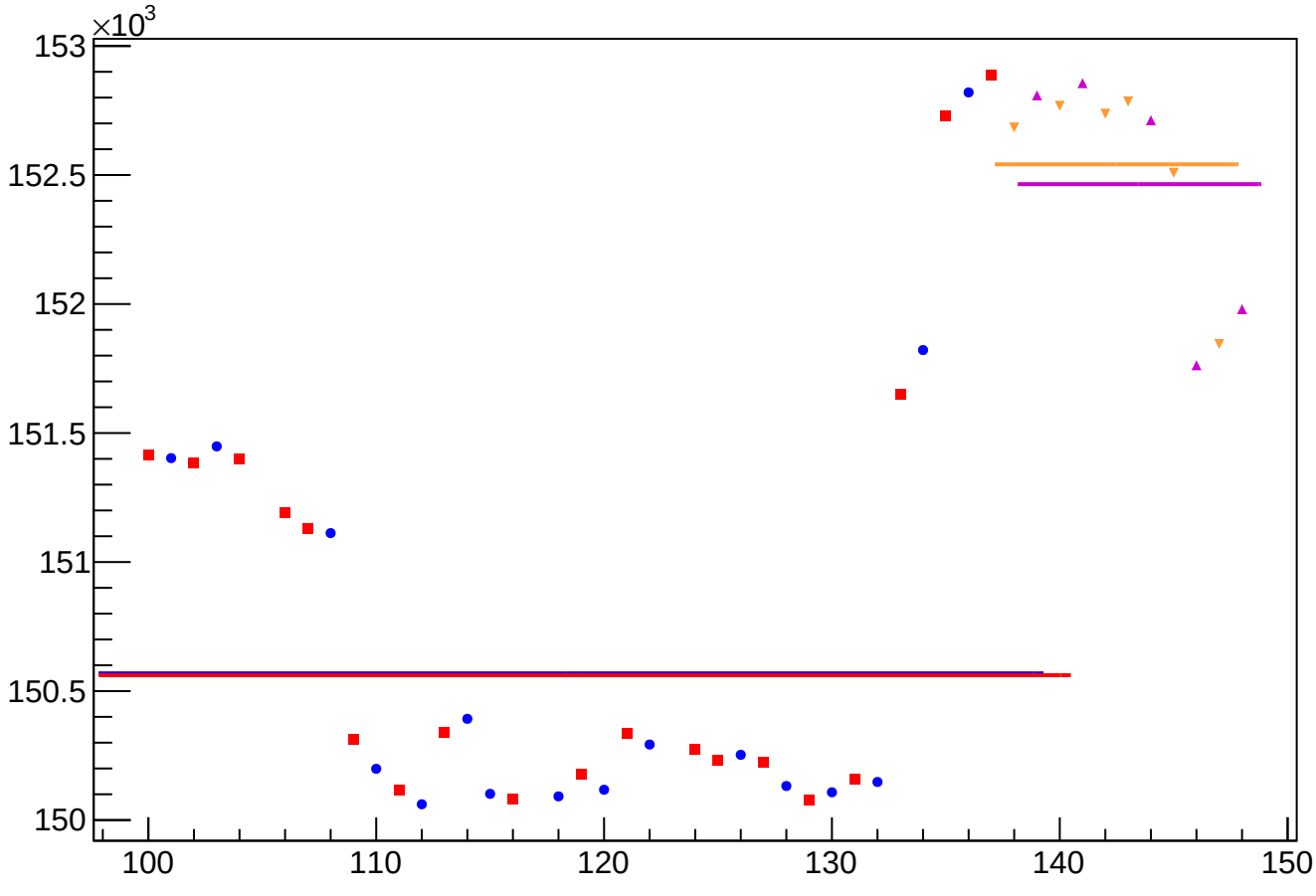
Left: 216.973+/-0.052 χ^2/NDF: 172083.6/10

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 173.146+/-0.038 χ^2/NDF:1861609.0/20

Out: 165.915+/-0.036 χ^2/NDF:2139054.2/24

All: 169.336+/-0.026 χ^2/NDF: 4019637.4/45



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152541.378+/-0.084 χ^2/NDF:17936239.6/5

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152464.641+/-0.086 χ^2/NDF:26616559.1/4

Left: 152503.850+/-0.060 χ^2/NDF: 44957926.0/10

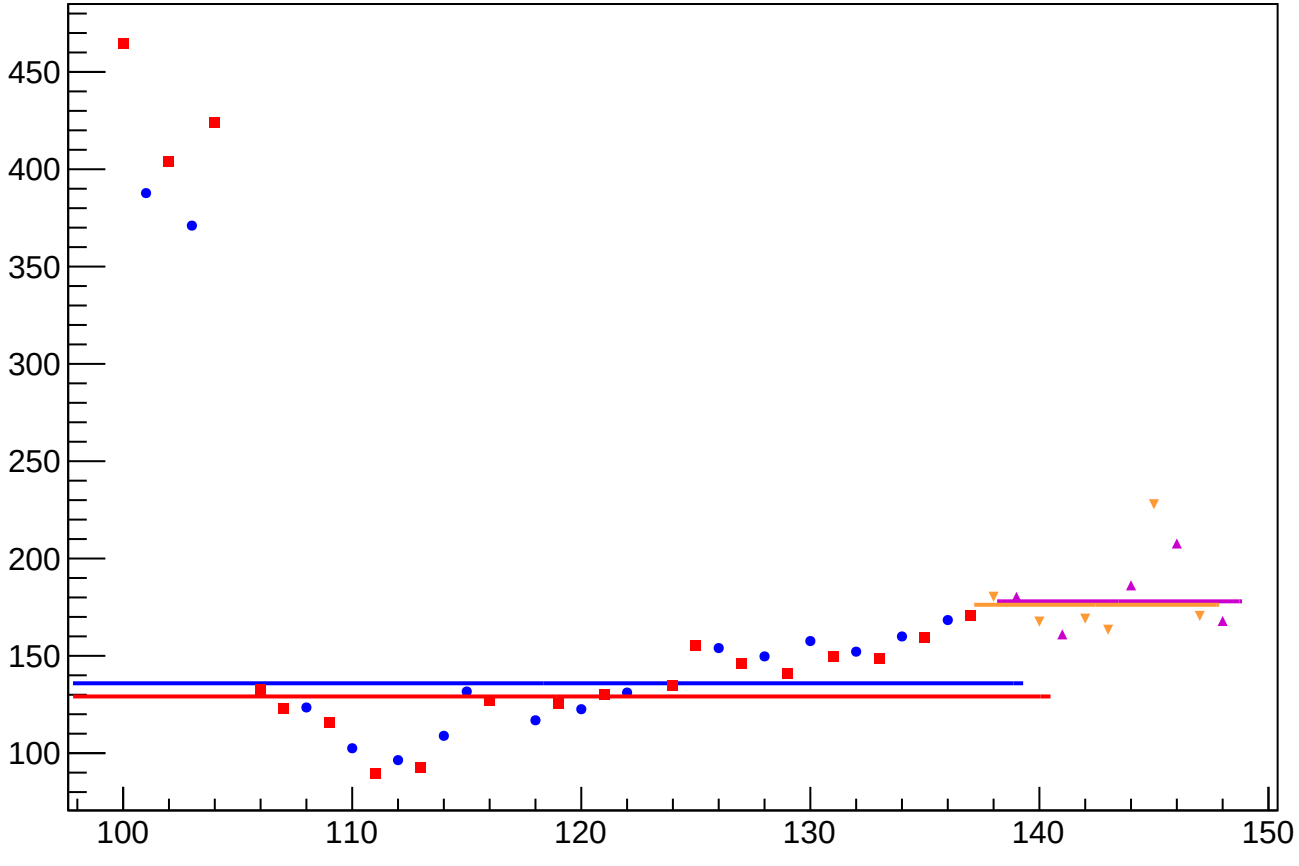
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151111.863+/-0.046 χ^2/NDF:609126363.4/20

Out: 151091.711+/-0.044 χ^2/NDF:619178213.2/24

All: 151101.226+/-0.032 χ^2/NDF: 12284053

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.244+/-0.060 χ^2/NDF:101129.1/5

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

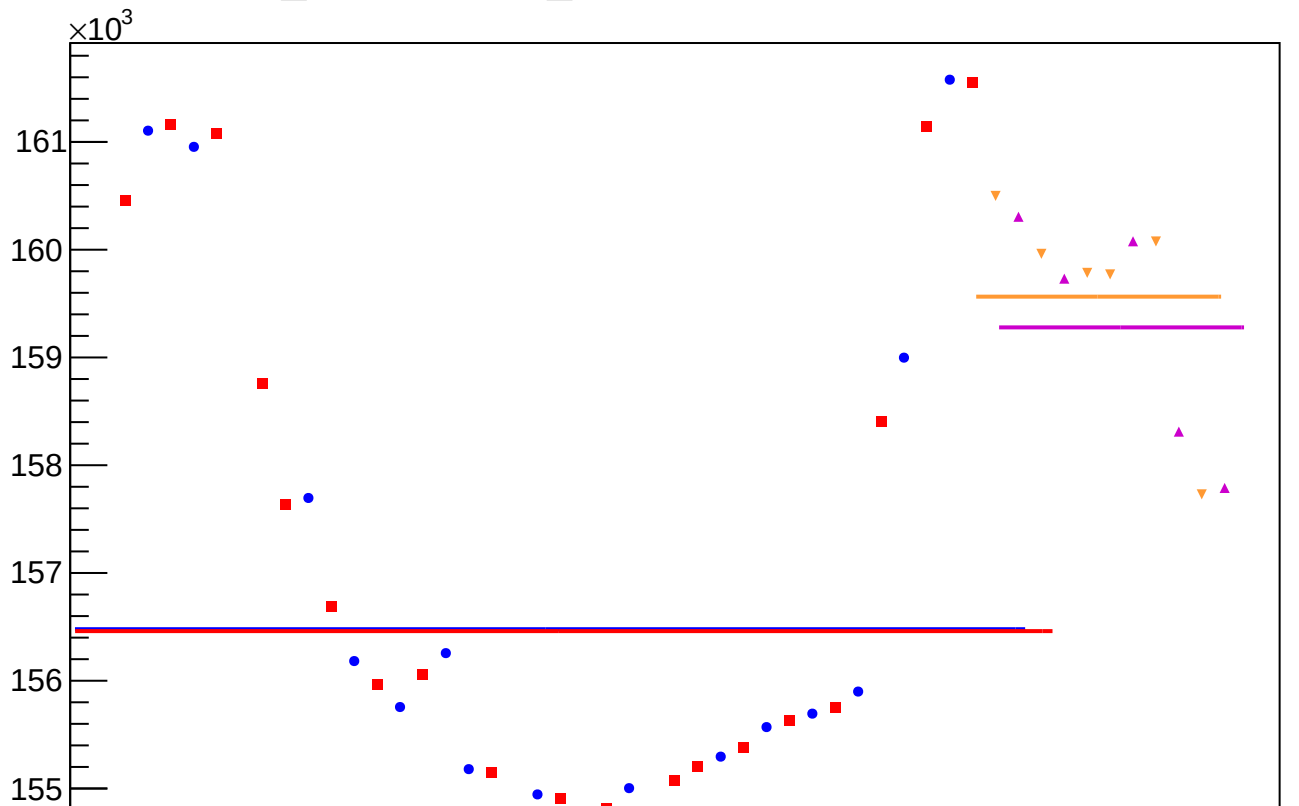
Left: 177.104+/-0.043 χ^2/NDF: 166275.4/10

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 147.960+/-0.033 χ^2/NDF:1821723.3/20

Out: 141.745+/-0.031 χ^2/NDF:2172747.3/24

All: 144.679+/-0.022 χ^2/NDF: 4013637.9/45



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 159564.374+/-0.088 χ^2/NDF:115957725.2/5

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 159279.062+/-0.089 χ^2/NDF:124664457.1/4

Left: 159424.496+/-0.063 χ^2/NDF: 245825367.8/10

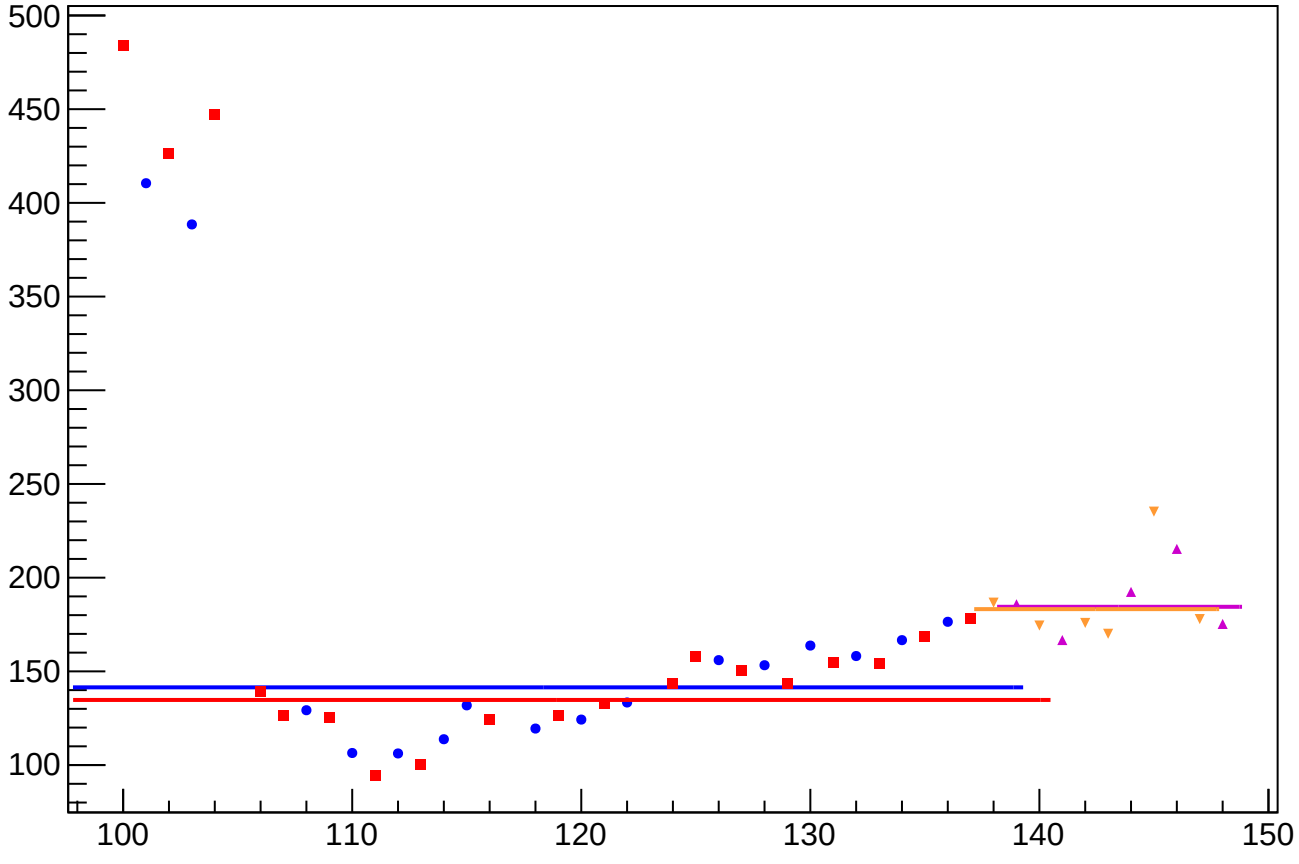
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 157285.308+/-0.048 χ^2/NDF:2114327116.2/20

Out: 157295.457+/-0.045 χ^2/NDF:2134644024.4/2

All: 157290.655+/-0.033 χ^2/NDF: 42489947

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 183.213+/-0.062 χ^2/NDF:96000.7/5

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 184.455+/-0.063 χ^2/NDF:63263.9/4

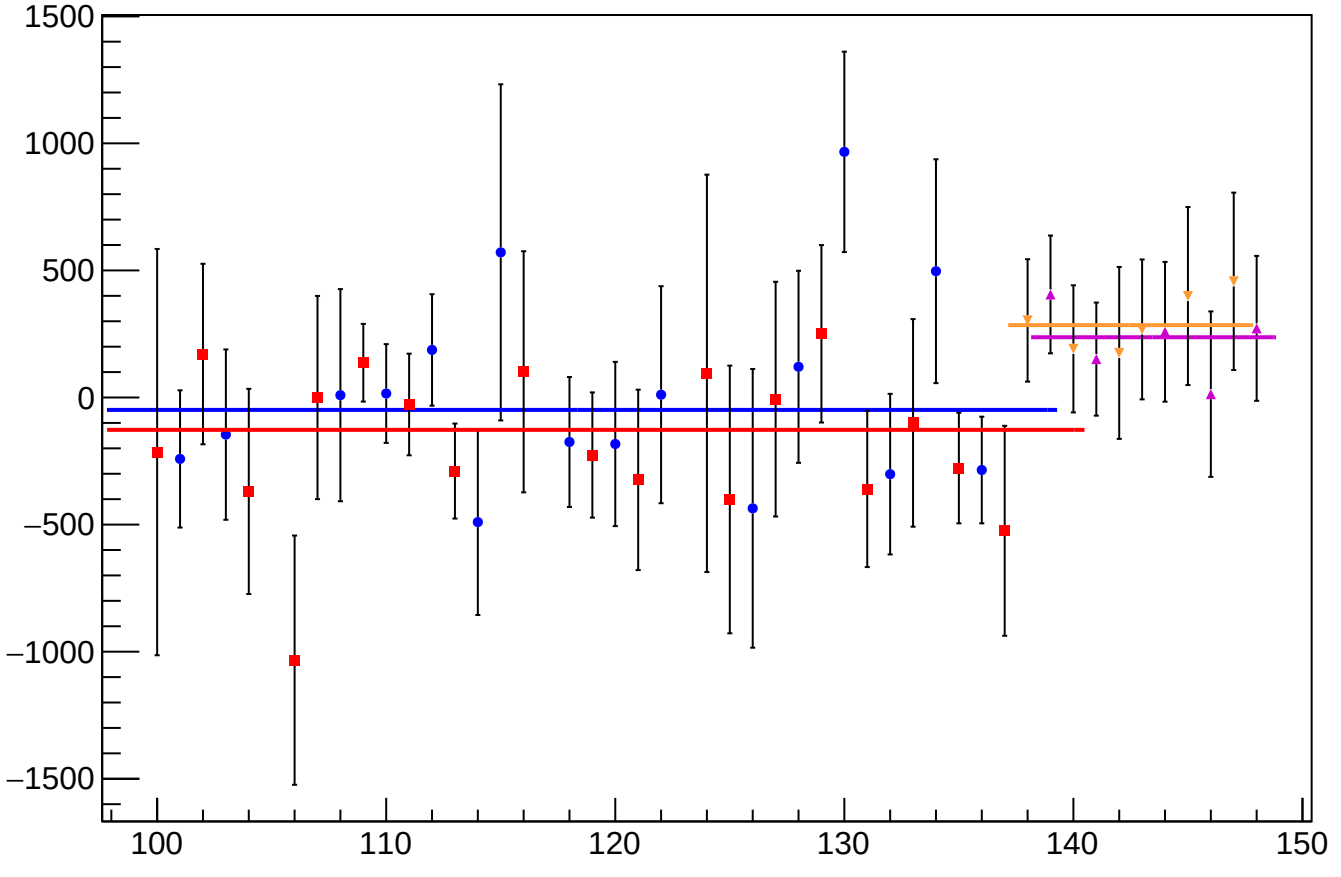
Left: 183.822+/-0.044 χ^2/NDF: 159461.9/10

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 153.855+/-0.034 χ^2/NDF:1785070.0/20

Out: 147.783+/-0.032 χ^2/NDF:2122797.3/24

All: 150.656+/-0.023 χ^2/NDF: 3924778.6/45



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.740+/-118.239 χ^2/NDF:0.6/5

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 237.107+/-116.407 χ^2/NDF:1.2/4

Left: 260.551+/-82.952 χ^2/NDF: 1.9/10

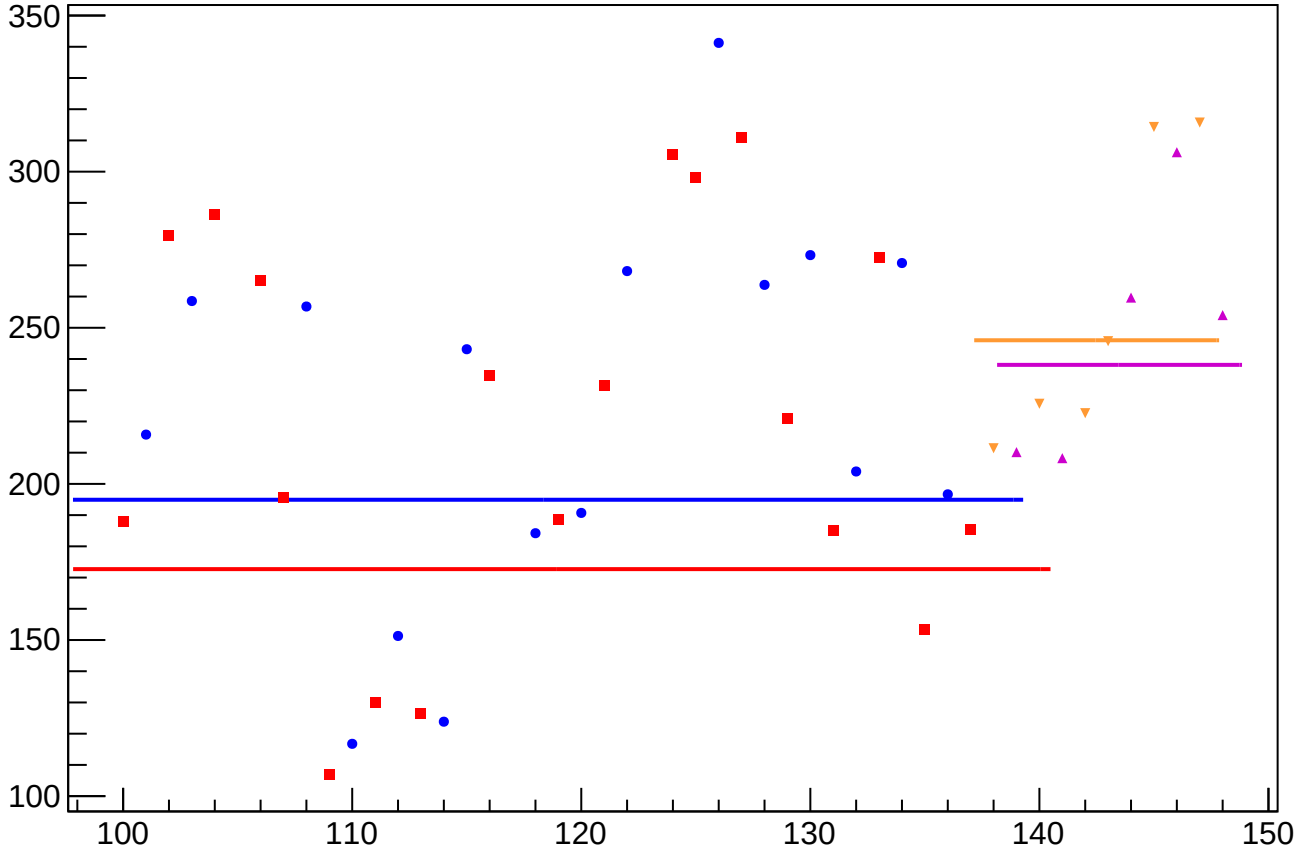
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 37.615+/-63.984 χ^2/NDF:20.8/20

Out: -23.707+/-59.276 χ^2/NDF:22.5/24

All: 4.615+/-43.484 χ^2/NDF: 43.9/45

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 246.000+/-0.084 χ^2/NDF:219926.1/5

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

Left: 241.999+/-0.059 χ^2/NDF: 395672.2/10

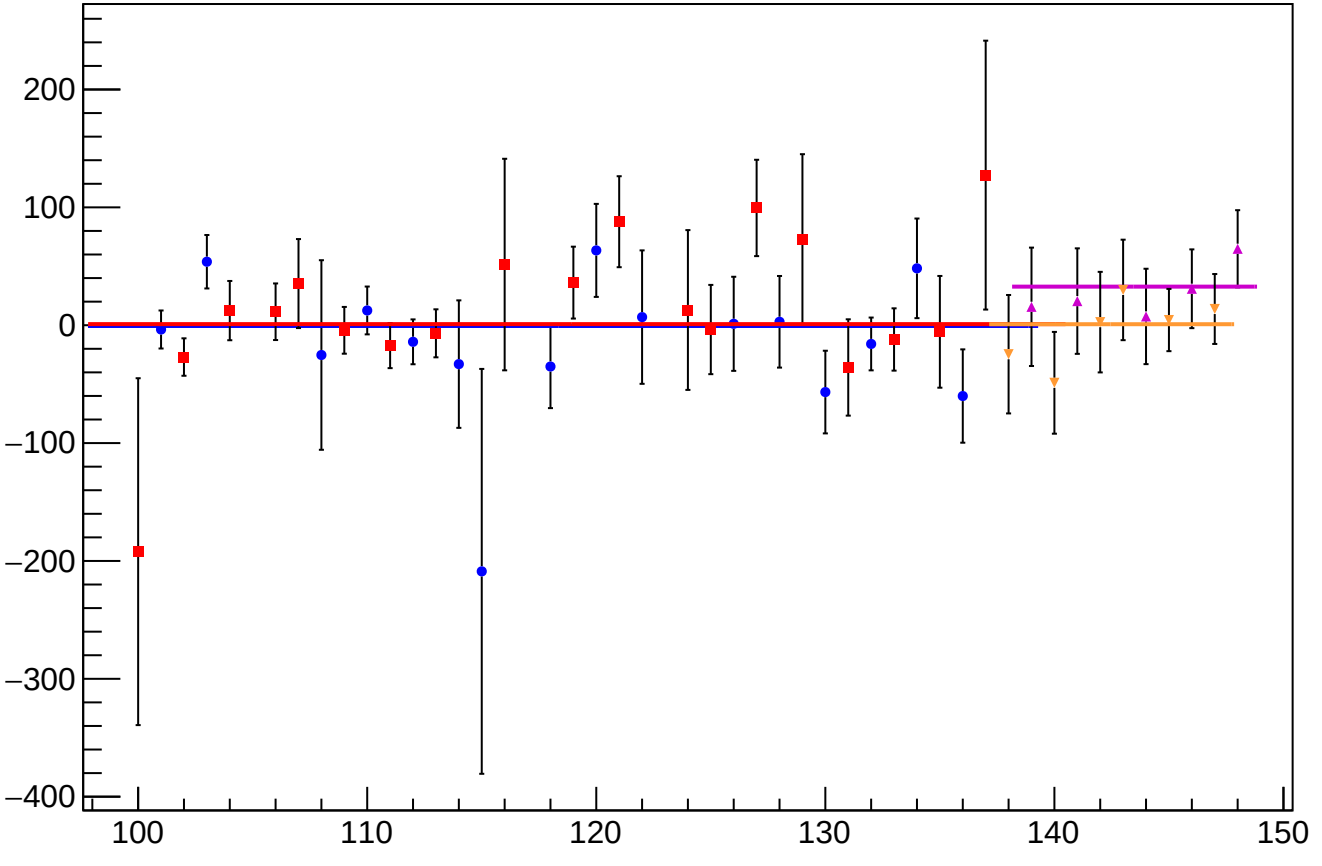
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 207.974+/-0.045 χ^2/NDF:1392356.3/20

Out: 191.125+/-0.042 χ^2/NDF:2426673.8/24

All: 198.907+/-0.031 χ^2/NDF: 3893664.9/45

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 0.856+/-14.739 χ^2/NDF:2.3/5

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 32.743+/-17.315 χ^2/NDF:1.5/4

Left: 14.254+/-11.224 χ^2/NDF: 5.8/10

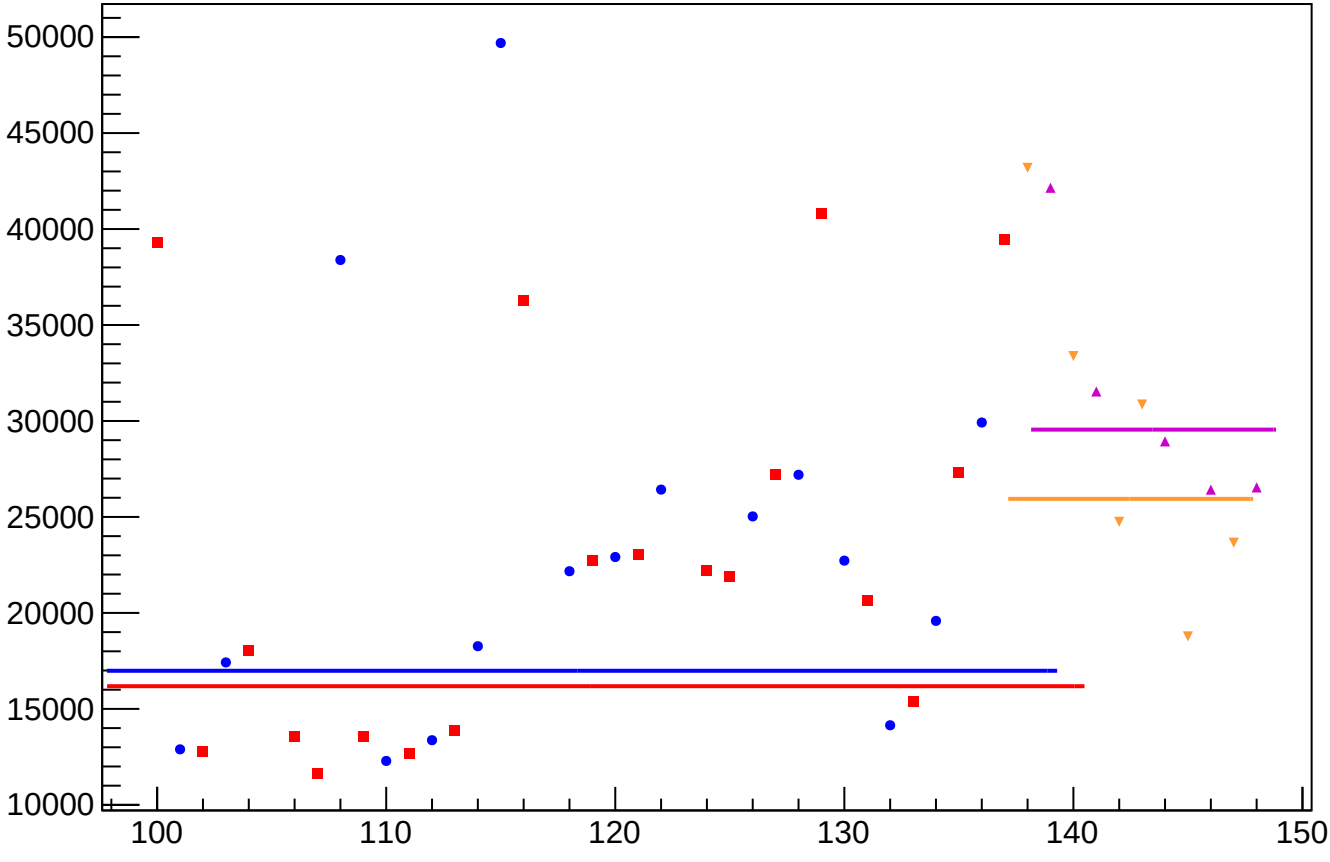
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 4.459+/-6.758 χ^2/NDF:23.6/20

Out: 0.923+/-6.150 χ^2/NDF:25.3/24

All: 2.525+/-4.548 χ^2/NDF: 49.0/45

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25941.881+/-10.422 χ^2/NDF:482300.2/5

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 29550.203+/-12.244 χ^2/NDF:164702.7/4

Left: 27457.957+/-7.936 χ^2/NDF: 697363.7/10

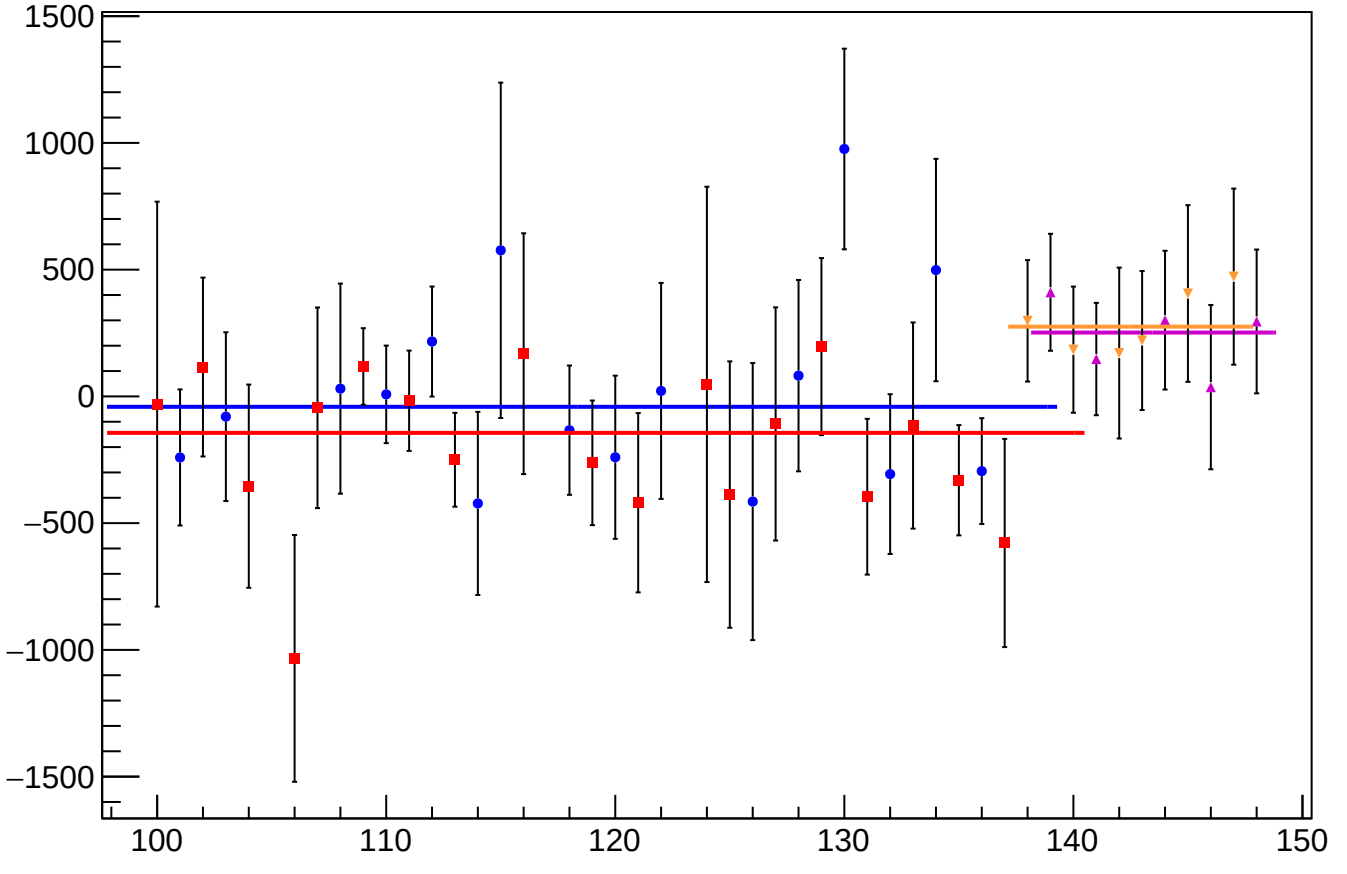
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 18900.292+/-4.779 χ^2/NDF:2251369.2/20

Out: 17881.010+/-4.349 χ^2/NDF:2458059.9/24

All: 18342.726+/-3.216 χ^2/NDF: 4734315.9/4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 275.208+/-117.707 χ^2/NDF:0.7/5

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 251.881+/-115.899 χ^2/NDF:1.2/4

Left: 263.364+/-82.585 χ^2/NDF: 2.0/10

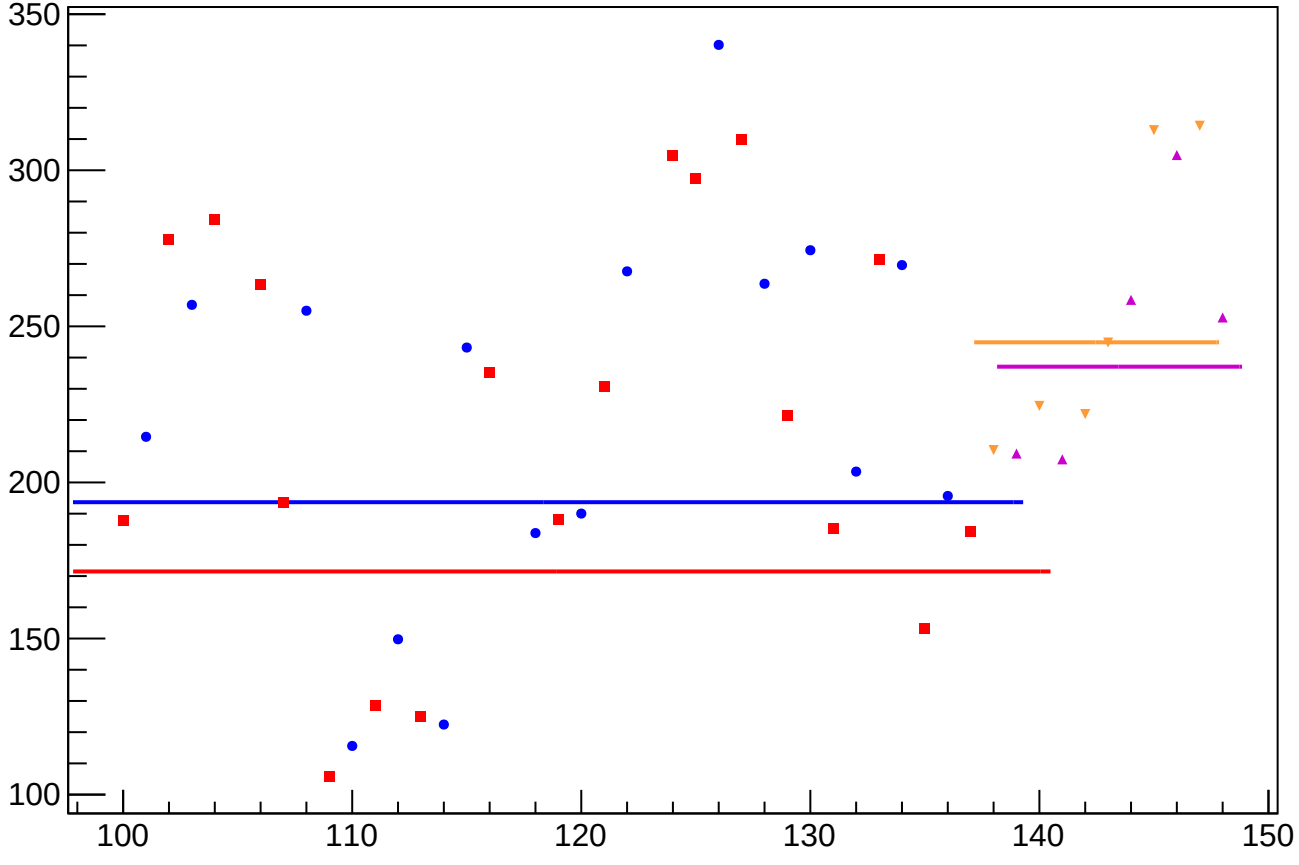
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 47.289+/-63.646 χ^2/NDF:21.1/20

Out: -38.781+/-58.933 χ^2/NDF:23.2/24

All: 0.949+/-43.242 χ^2/NDF: 45.4/45

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 244.891+/-0.083 χ^2/NDF:220005.7/5

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 237.083+/-0.082 χ^2/NDF:170934.5/4

Left: 240.927+/-0.058 χ^2/NDF: 395408.3/10

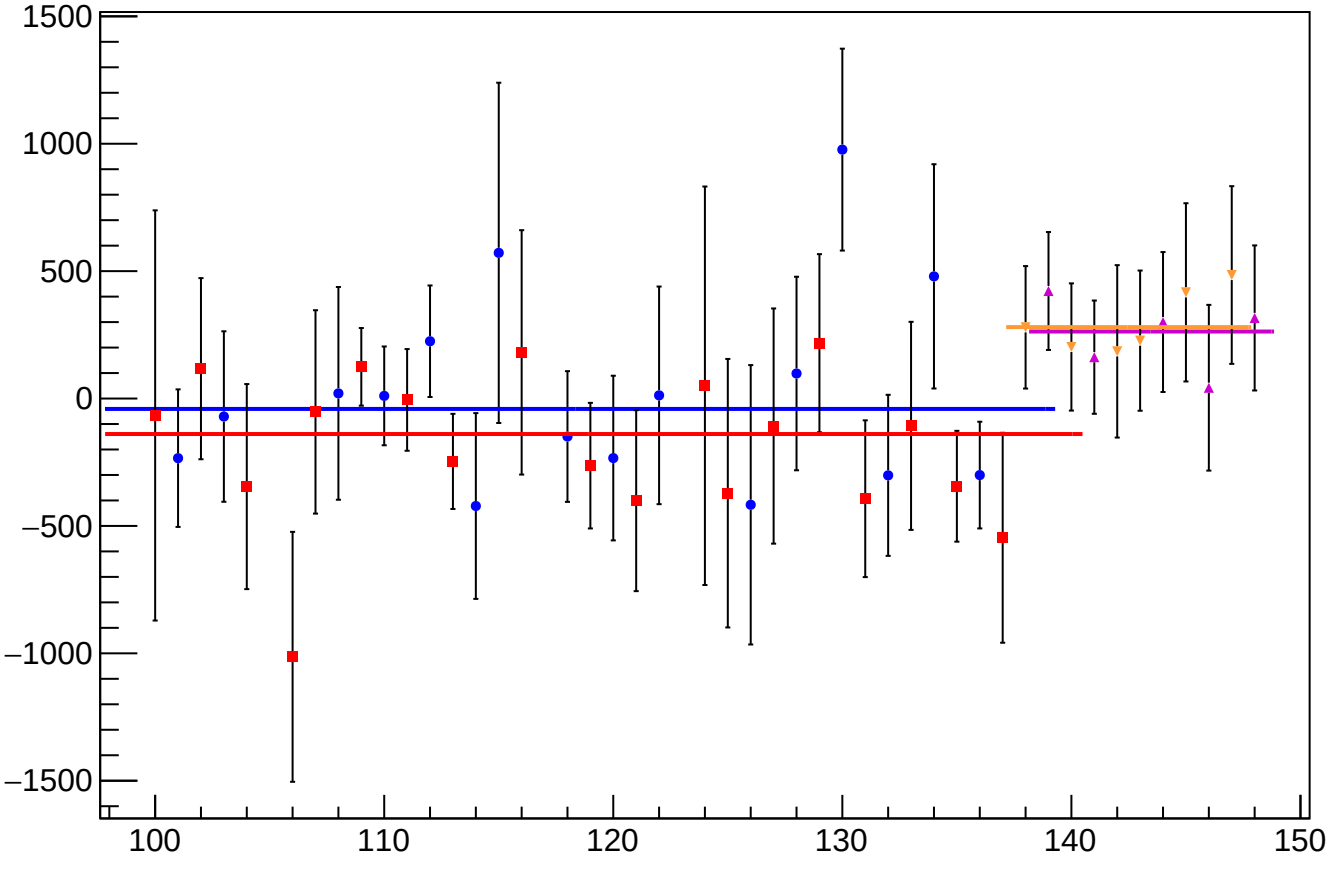
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 206.762+/-0.045 χ^2/NDF:1416698.7/20

Out: 189.885+/-0.042 χ^2/NDF:2455874.3/24

All: 197.676+/-0.031 χ^2/NDF: 3948288.6/45

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 280.299+/-118.097 χ^2/NDF:0.7/5

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 262.984+/-116.270 χ^2/NDF:1.2/4

Left: 271.506+/-82.854 χ^2/NDF: 1.9/10

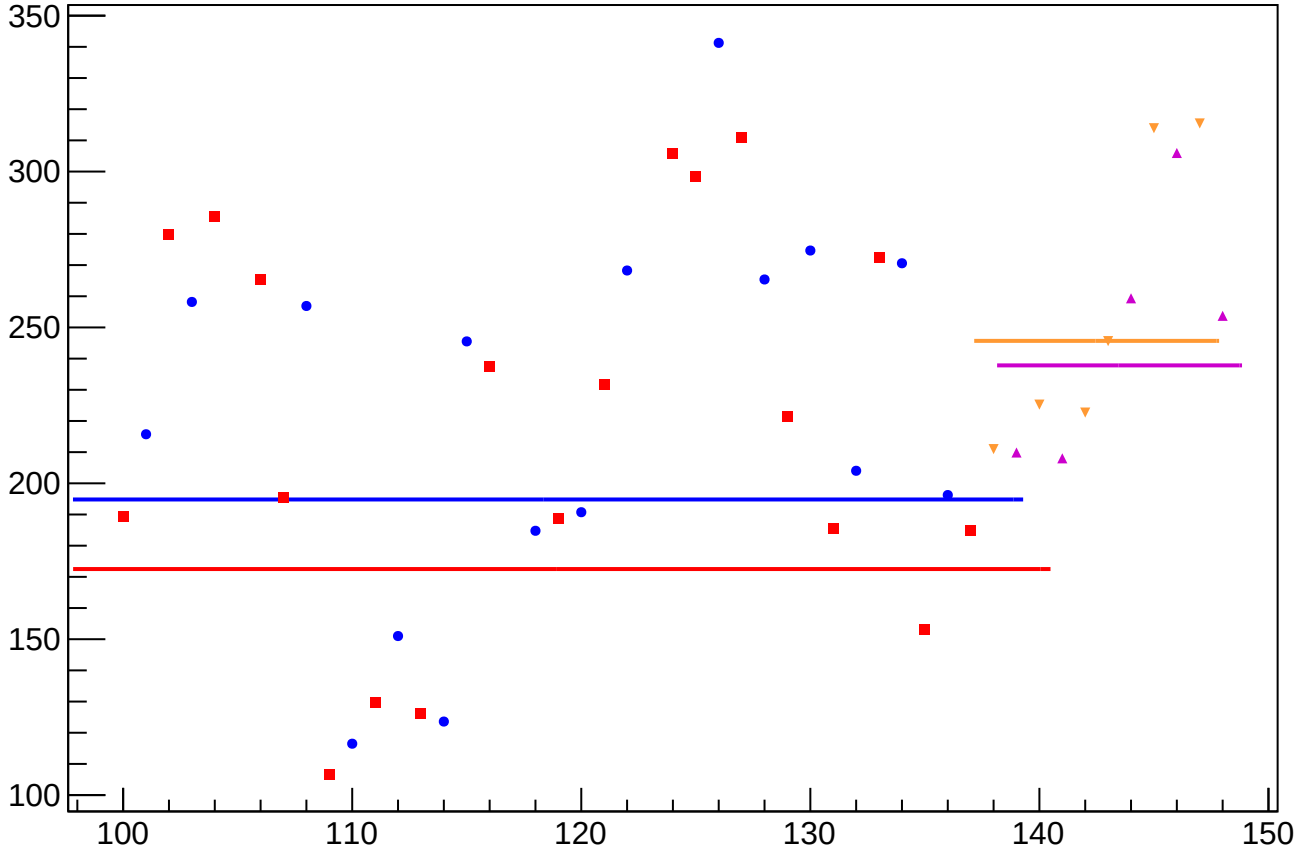
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 51.111+/-63.954 χ^2/NDF:21.3/20

Out: -33.757+/-59.227 χ^2/NDF:23.0/24

All: 5.426+/-43.455 χ^2/NDF: 45.3/45

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 245.693+/-0.084 χ^2/NDF:220455.1/5

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 237.829+/-0.082 χ^2/NDF:171425.6/4

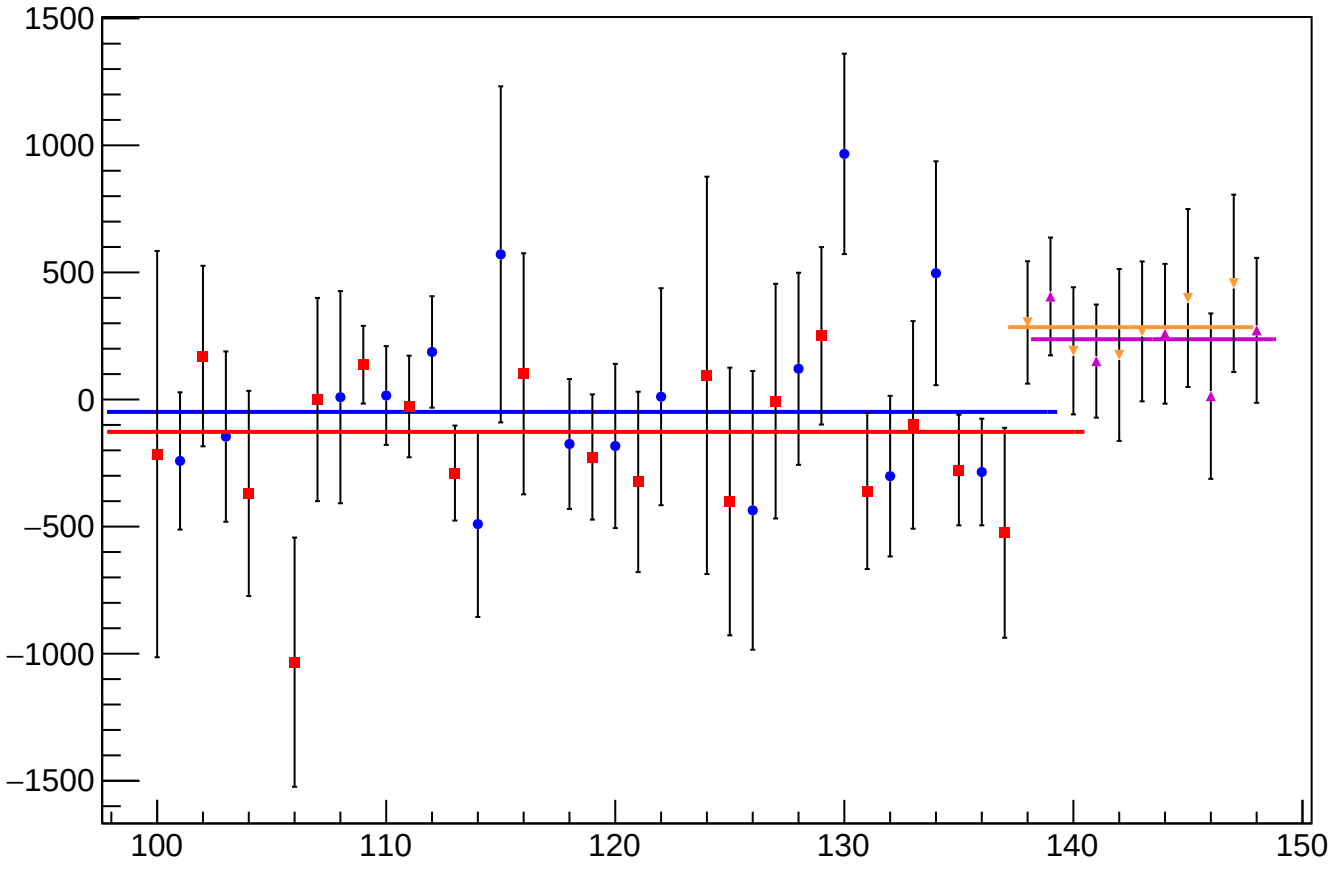
Left: 241.700+/-0.059 χ^2/NDF: 396384.2/10

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 207.832+/-0.045 χ^2/NDF:1401390.9/20

Out: 190.915+/-0.042 χ^2/NDF:2437420.4/24

All: 198.725+/-0.031 χ^2/NDF: 3914147.0/45



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.740+/-118.239 χ^2/NDF:0.6/5

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 237.107+/-116.407 χ^2/NDF:1.2/4

Left: 260.551+/-82.952 χ^2/NDF: 1.9/10

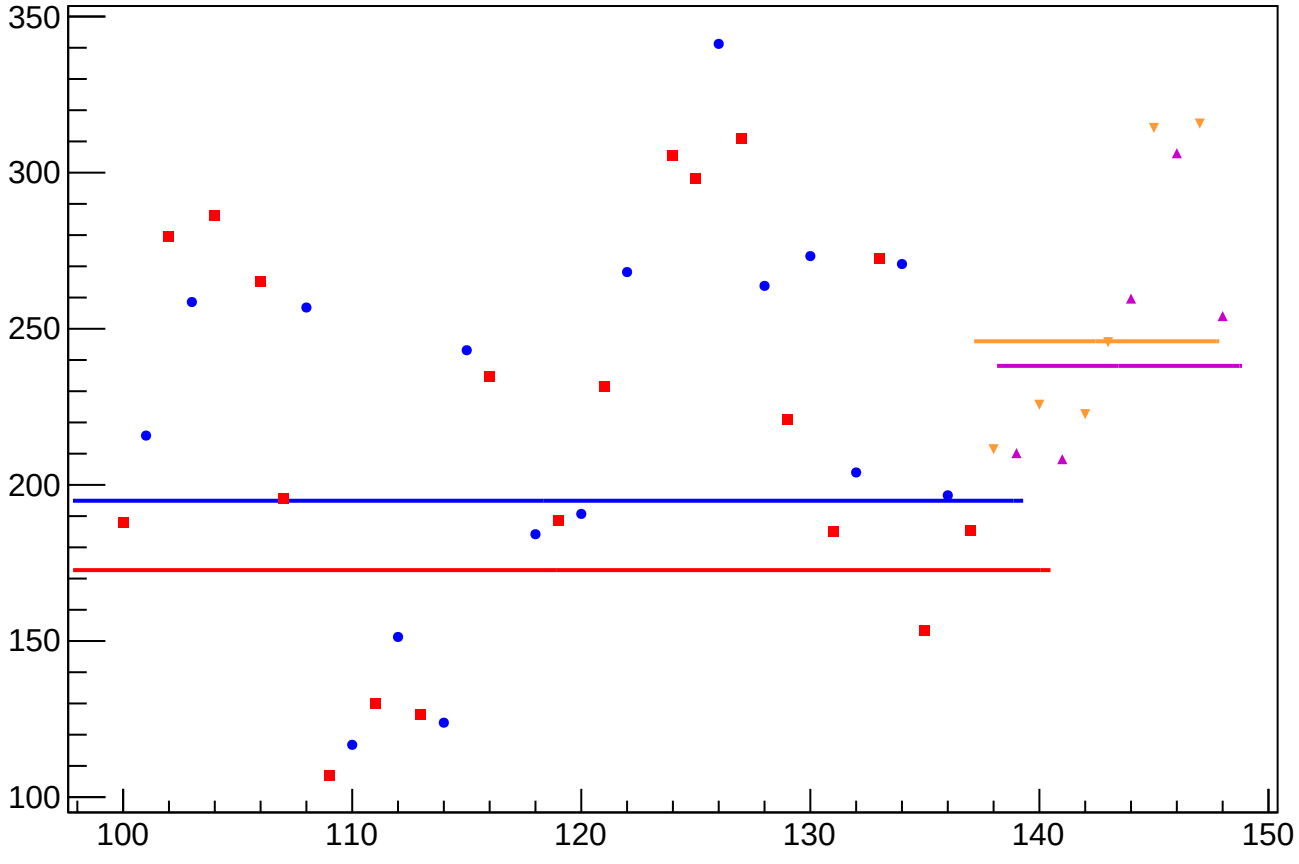
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 37.615+/-63.984 χ^2/NDF:20.8/20

Out: -23.707+/-59.276 χ^2/NDF:22.5/24

All: 4.615+/-43.484 χ^2/NDF: 43.9/45

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 246.000+/-0.084 χ^2/NDF:219926.1/5

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

Left: 241.999+/-0.059 χ^2/NDF: 395672.2/10

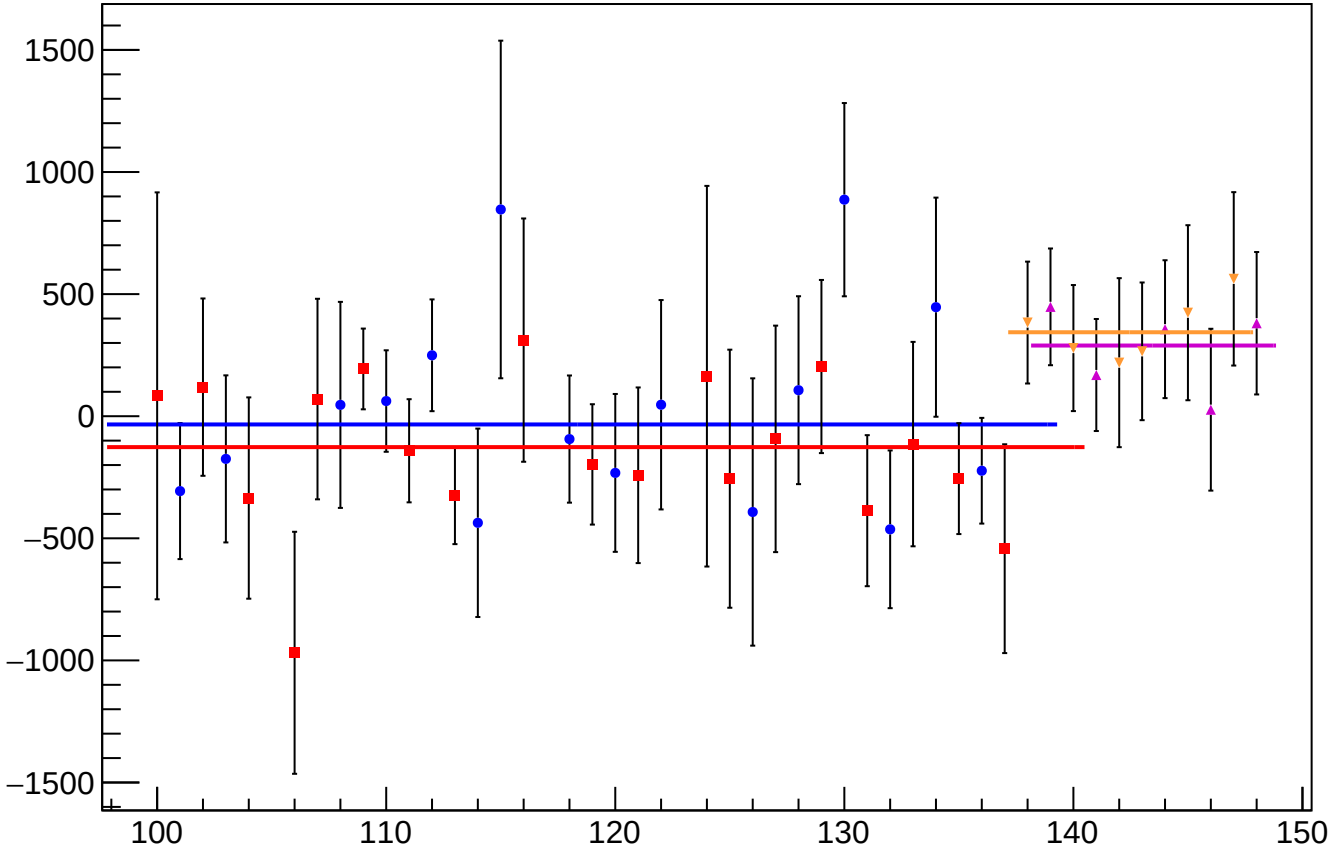
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 207.974+/-0.045 χ^2/NDF:1392356.3/20

Out: 191.125+/-0.042 χ^2/NDF:2426673.8/24

All: 198.907+/-0.031 χ^2/NDF: 3893664.9/45

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 343.827+/-121.524 χ^2/NDF:0.7/5

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 289.436+/-119.595 χ^2/NDF:1.5/4

Left: 316.196+/-85.240 χ^2/NDF: 2.3/10

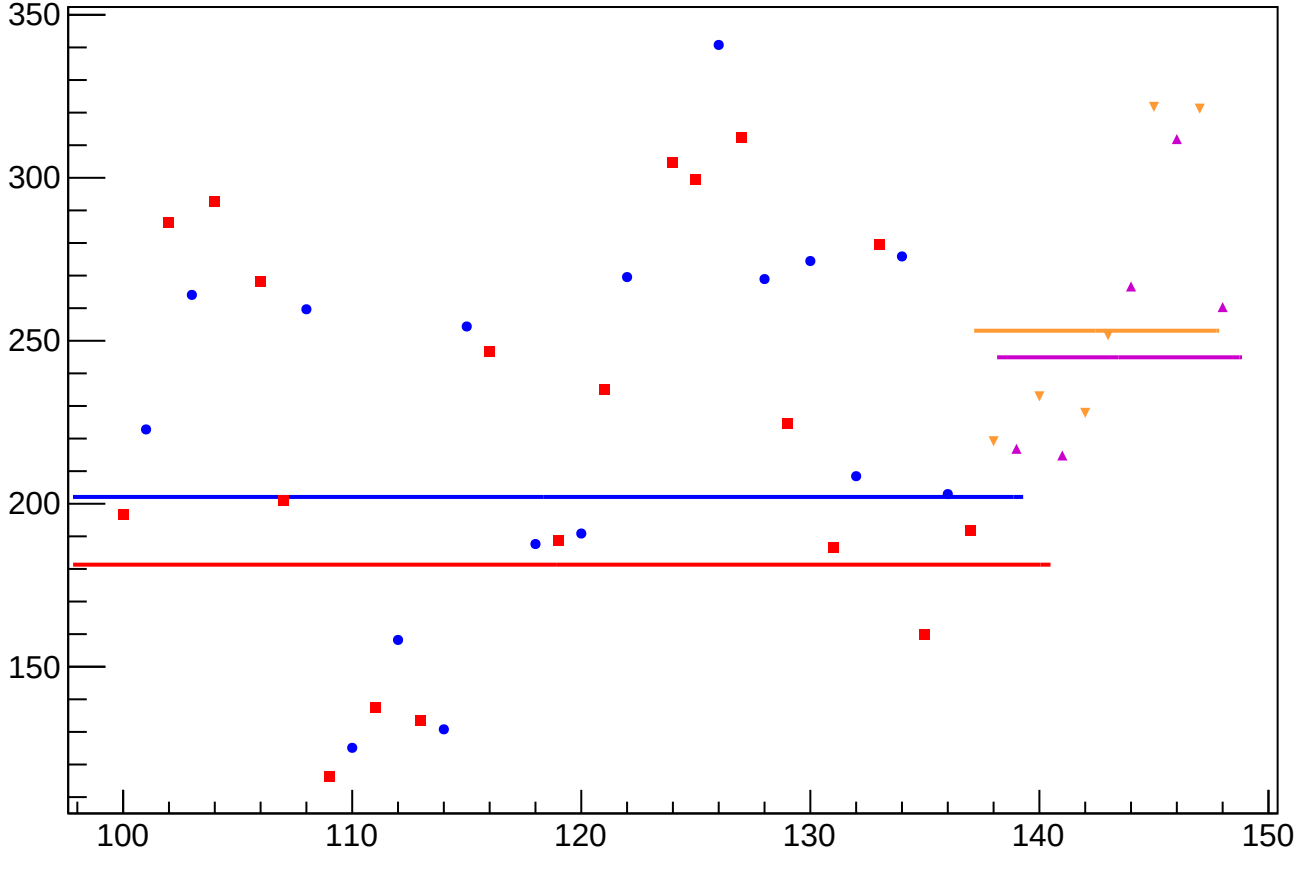
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 64.436+/-65.915 χ^2/NDF:22.3/20

Out: -6.082+/-61.503 χ^2/NDF:24.6/24

All: 26.738+/-44.968 χ^2/NDF: 47.5/45

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 253.089+/-0.086 χ^2/NDF:206862.5/5

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 244.931+/-0.085 χ^2/NDF:161129.9/4

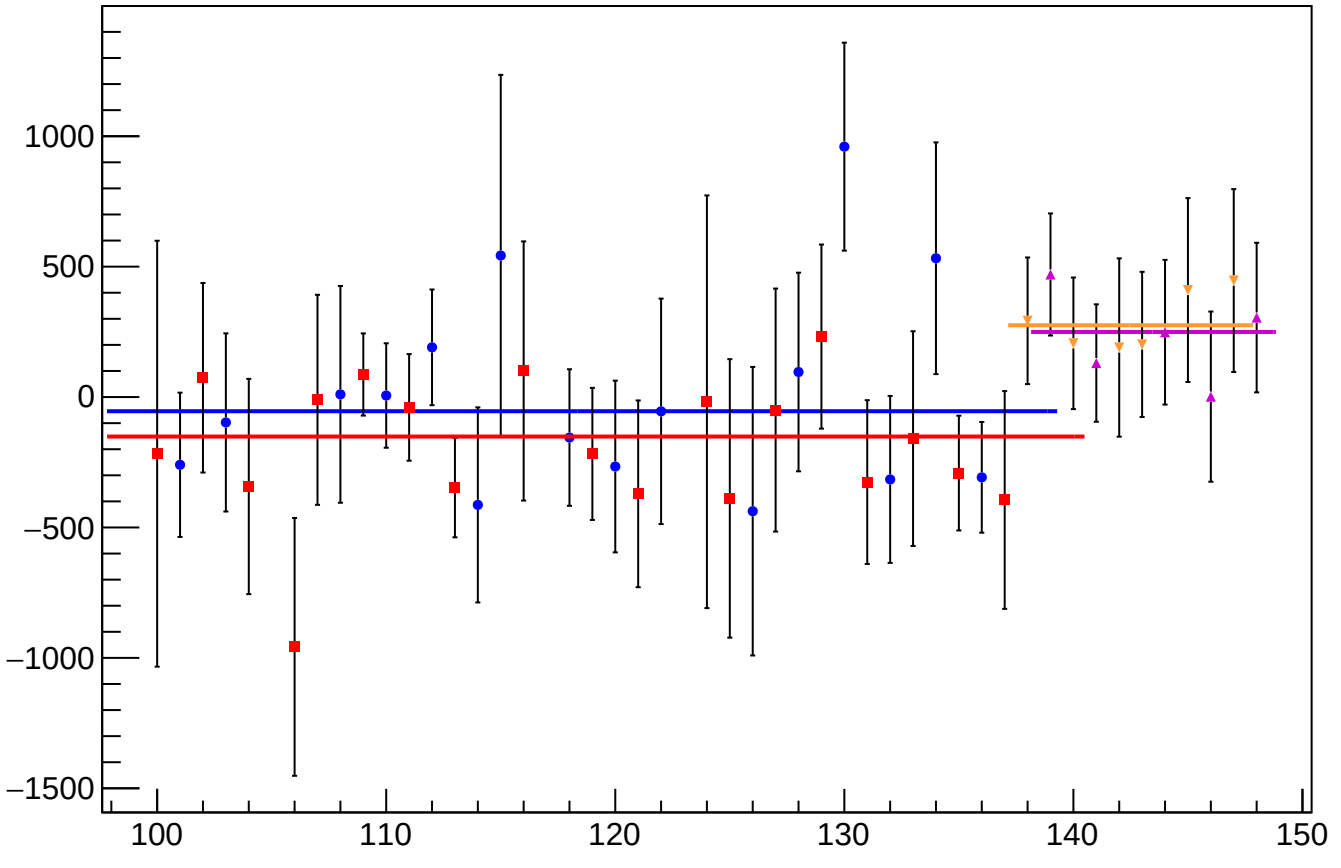
Left: 248.945+/-0.060 χ^2/NDF: 372570.6/10

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 215.104+/-0.047 χ^2/NDF:1250073.4/20

Out: 199.696+/-0.043 χ^2/NDF:2166852.7/24

All: 206.867+/-0.032 χ^2/NDF: 3475343.9/45



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 275.375+/-119.238 χ^2/NDF:0.6/5

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 249.598+/-117.411 χ^2/NDF:1.8/4

Left: 262.288+/-83.661 χ^2/NDF: 2.4/10

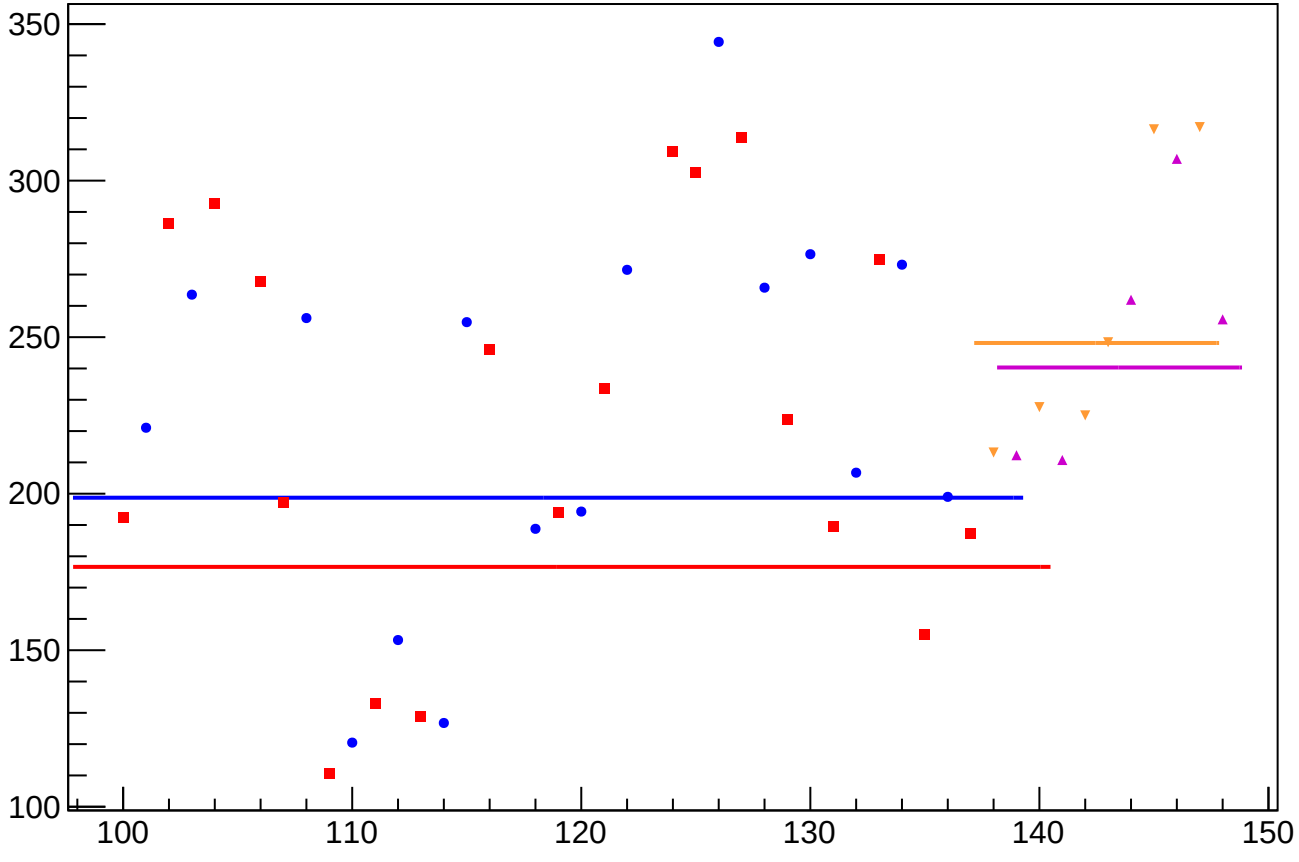
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 38.696+/-64.939 χ^2/NDF:21.5/20

Out: -42.212+/-60.303 χ^2/NDF:20.4/24

All: -4.748+/-44.189 χ^2/NDF: 42.7/45

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 248.145+/-0.084 χ^2/NDF:216250.3/5

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 240.311+/-0.083 χ^2/NDF:164526.3/4

Left: 244.167+/-0.059 χ^2/NDF: 385159.1/10

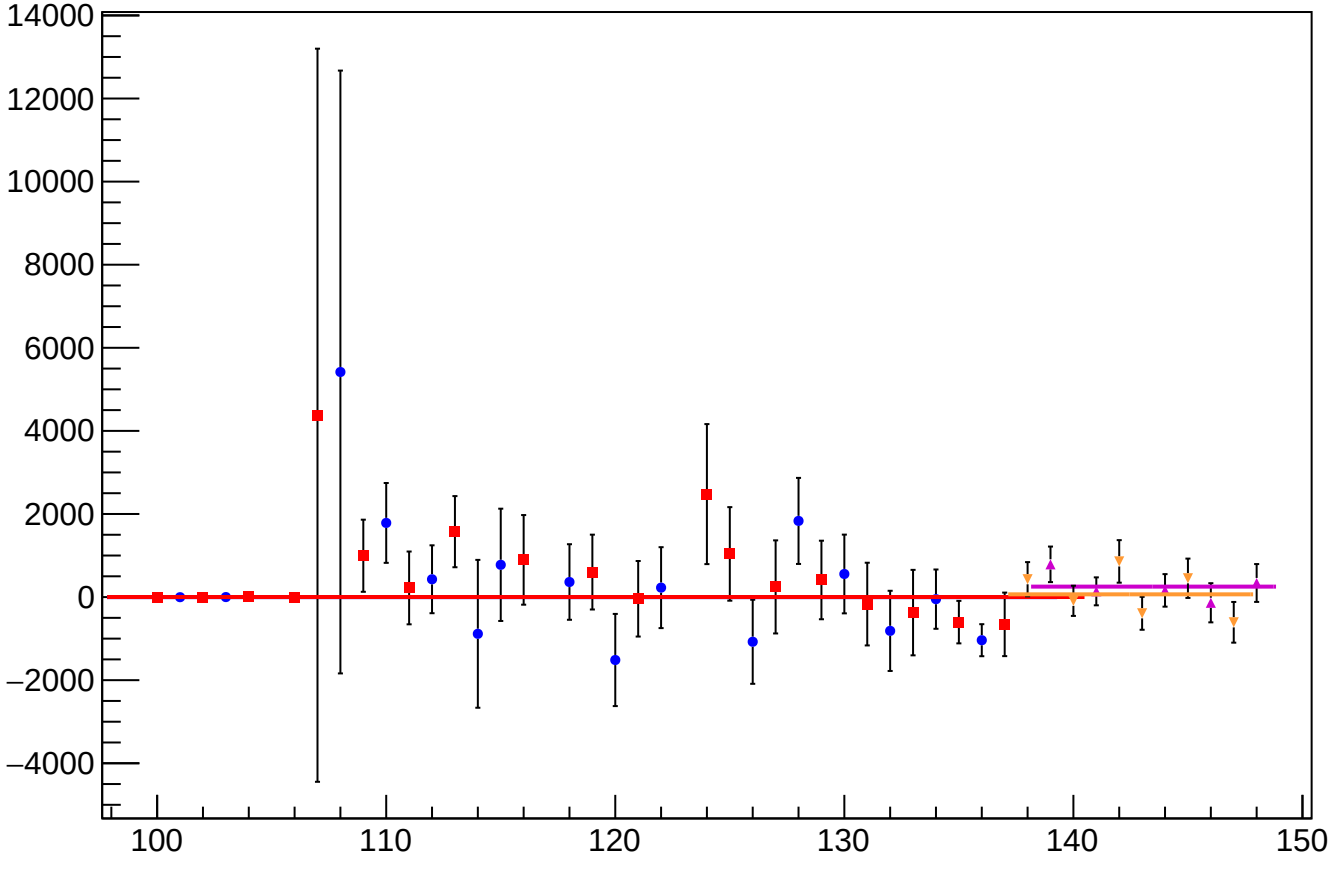
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 211.442+/-0.046 χ^2/NDF:1332802.8/20

Out: 194.915+/-0.043 χ^2/NDF:2347510.3/24

All: 202.568+/-0.031 χ^2/NDF: 3749871.3/45

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 65.931+/-176.037 χ^2/NDF:7.2/5

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 251.653+/-182.135 χ^2/NDF:2.5/4

Left: 155.631+/-126.578 χ^2/NDF: 10.2/10

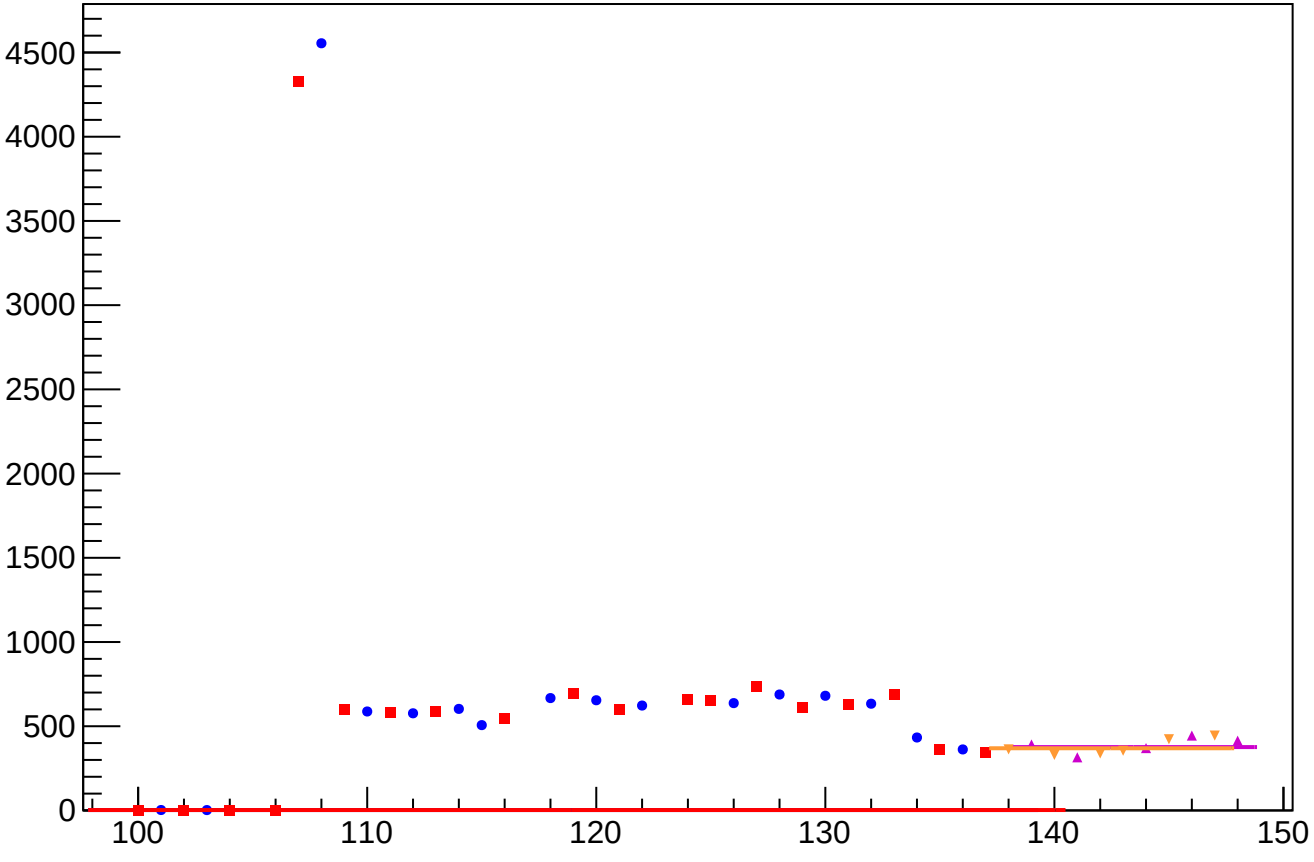
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.203+/-2.171 χ^2/NDF:24.3/20

Out: 1.386+/-2.022 χ^2/NDF:24.2/24

All: 0.183+/-1.480 χ^2/NDF: 49.3/45

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 369.277+/-0.124 χ^2/NDF:107353.7/5

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 376.258+/-0.129 χ^2/NDF:124376.7/4

Left: 372.649+/-0.090 χ^2/NDF: 233249.2/10

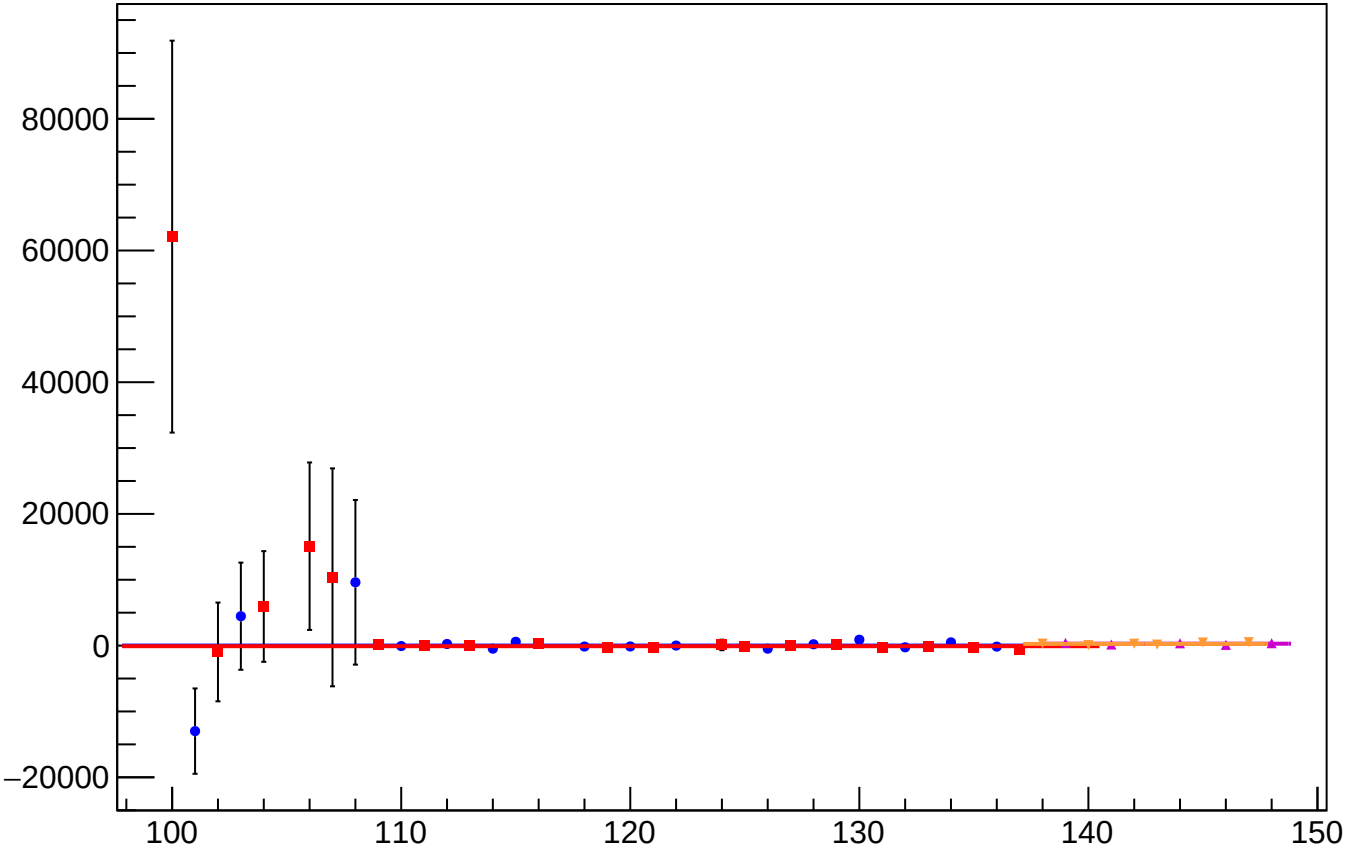
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.530+/-0.002 χ^2/NDF:20172589.5/20

Out: 2.511+/-0.001 χ^2/NDF:20335581.4/24

All: 2.520+/-0.001 χ^2/NDF: 40508254.8/45

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 259.646+/-123.837 χ^2/NDF:1.5/5

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 289.925+/-120.974 χ^2/NDF:1.0/4

Left: 275.140+/-86.536 χ^2/NDF: 2.5/10

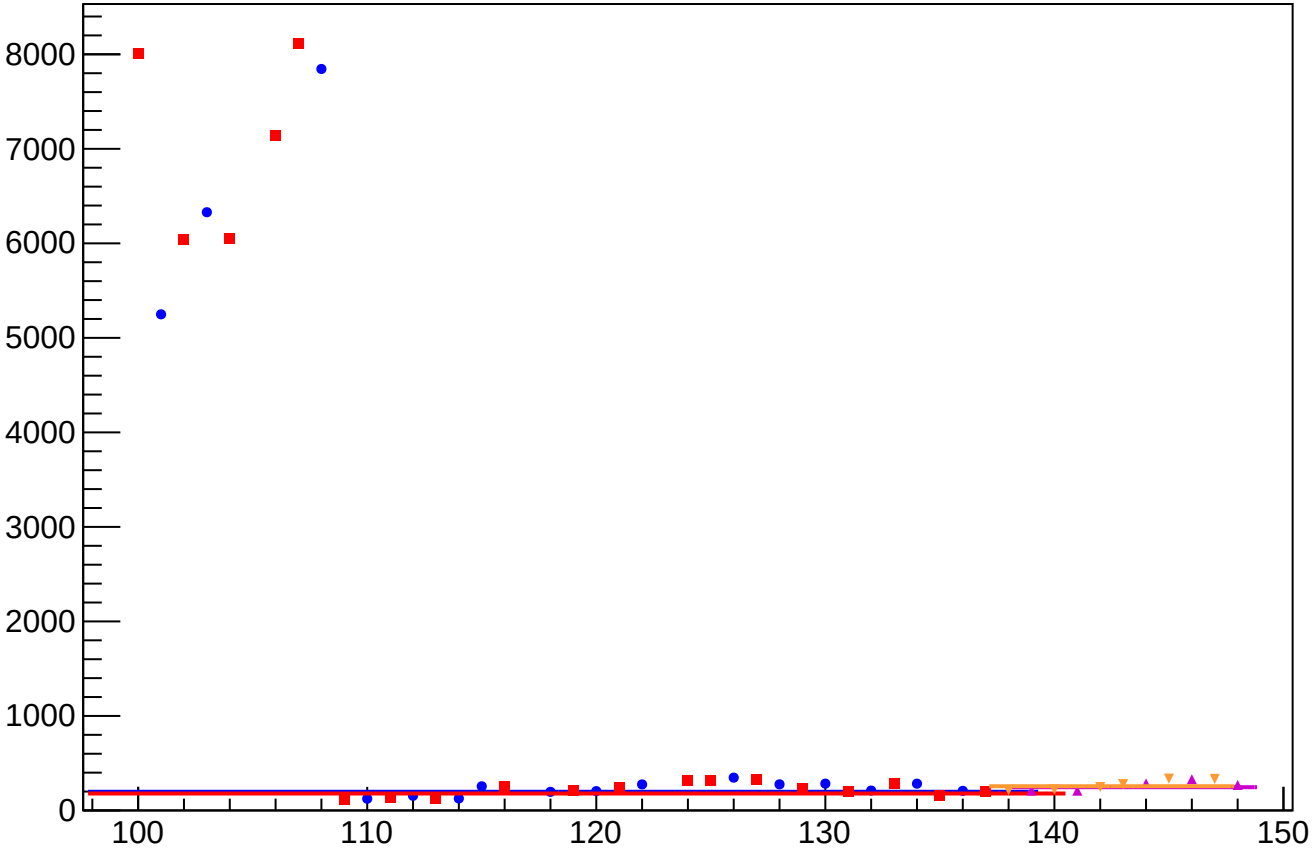
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 100.439+/-71.070 χ^2/NDF:21.6/20

Out: 17.193+/-68.141 χ^2/NDF:21.9/24

All: 57.065+/-49.186 χ^2/NDF: 44.1/45

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 256.416+/-0.088 χ^2/NDF:292922.6/5

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 246.067+/-0.086 χ^2/NDF:261310.5/4

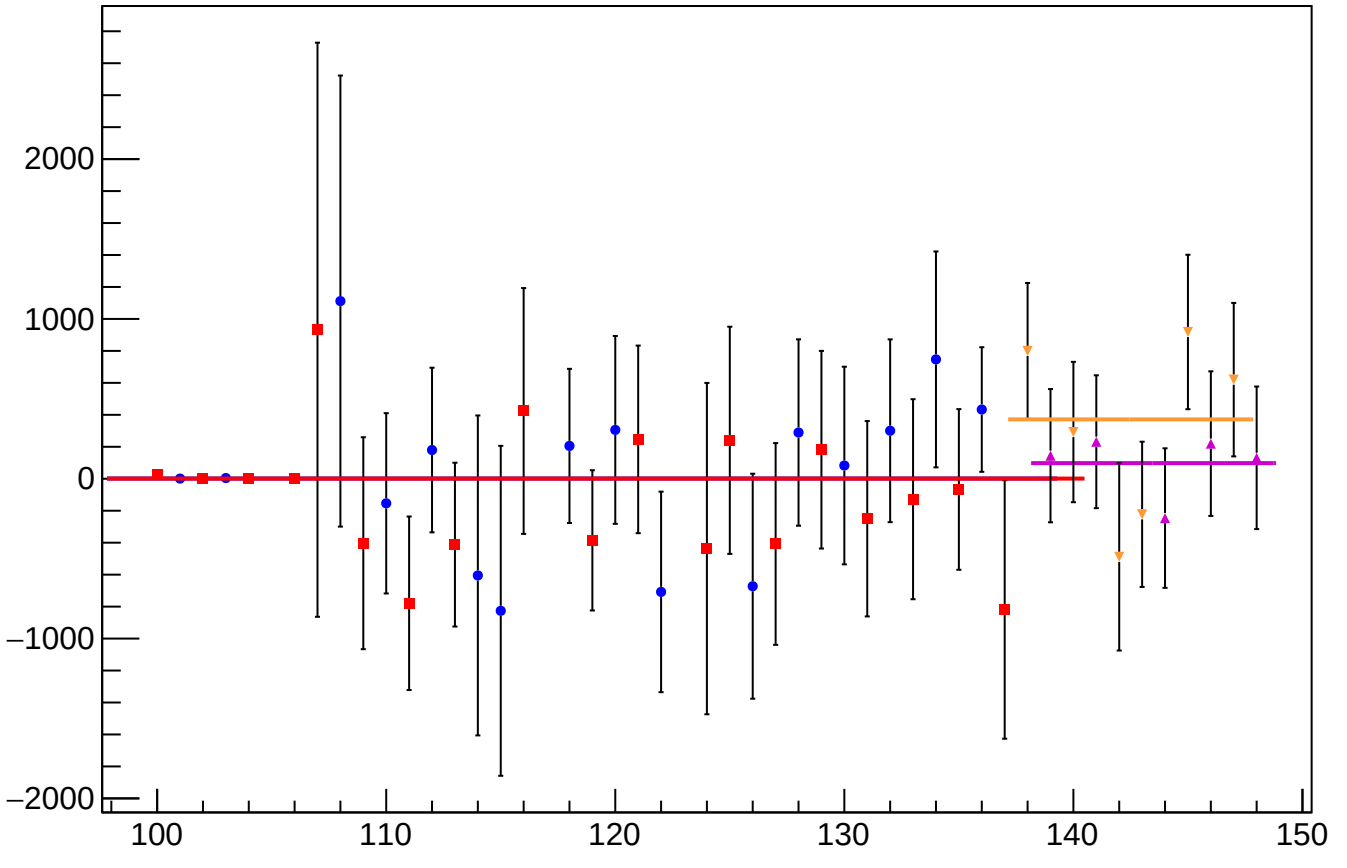
Left: 251.120+/-0.061 χ^2/NDF: 561380.8/10

Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 214.340+/-0.050 χ^2/NDF:4428560.0/20

Out: 202.613+/-0.048 χ^2/NDF:5252800.5/24

All: 208.230+/-0.035 χ^2/NDF: 9709733.7/45



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 371.381+/-192.102 χ^2/NDF:6.5/5

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 97.865+/-193.520 χ^2/NDF:0.8/4

Left: 235.629+/-136.335 χ^2/NDF: 8.3/10

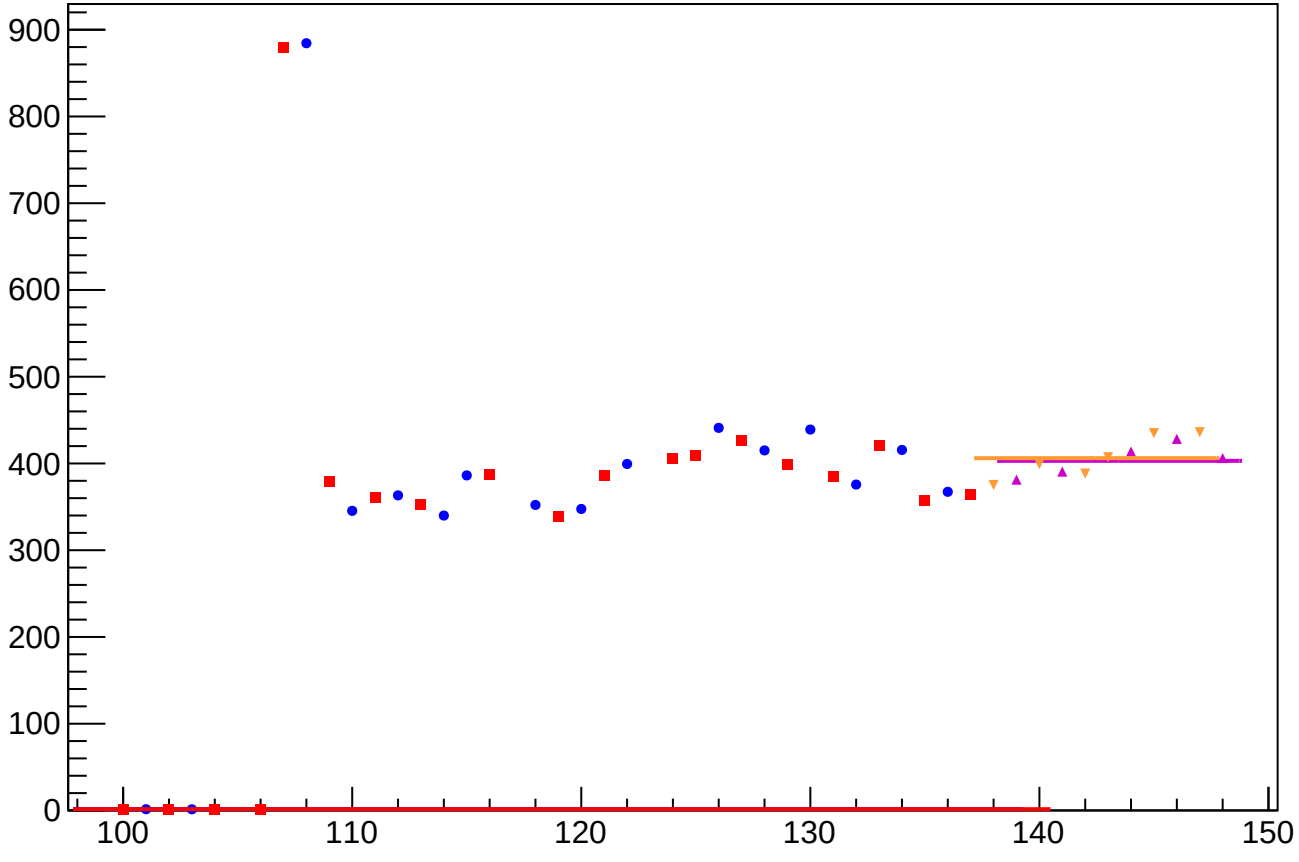
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.463+/-1.660 χ^2/NDF:8.9/20

Out: 1.117+/-1.528 χ^2/NDF:19.3/24

All: 1.275+/-1.124 χ^2/NDF: 28.3/45

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 406.124+/-0.136 χ^2/NDF:27784.2/5

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 403.022+/-0.137 χ^2/NDF:14759.2/4

Left: 404.584+/-0.096 χ^2/NDF: 42802.2/10

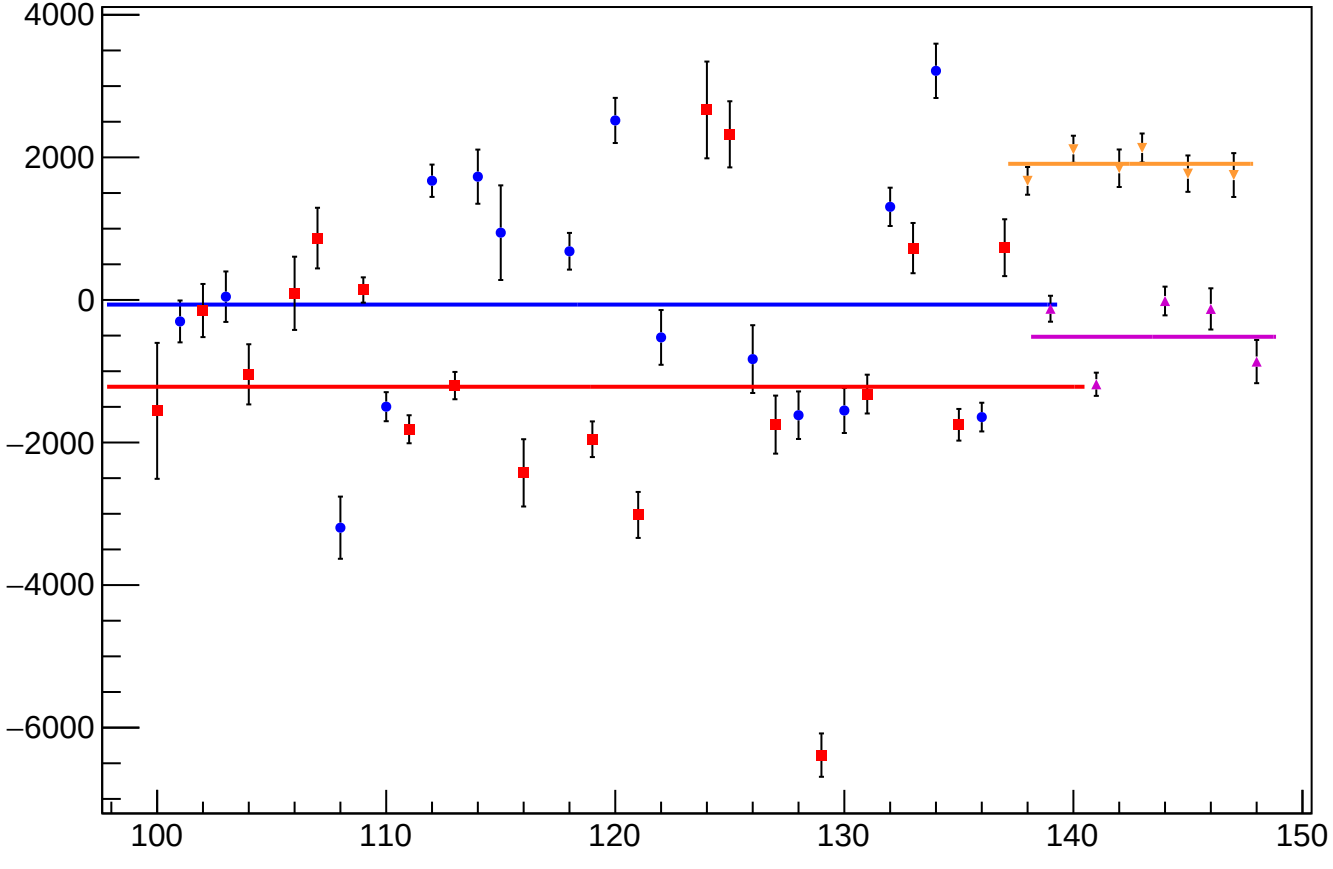
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.500+/-0.001 χ^2/NDF:20360587.3/20

Out: 1.493+/-0.001 χ^2/NDF:20172076.4/24

All: 1.496+/-0.001 χ^2/NDF: 40532682.8/45

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1909.763+/-91.842 χ^2/NDF:4.5/5

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -516.594+/-93.090 χ^2/NDF:30.8/4

Left: 712.961+/-65.379 χ^2/NDF: 379.5/10

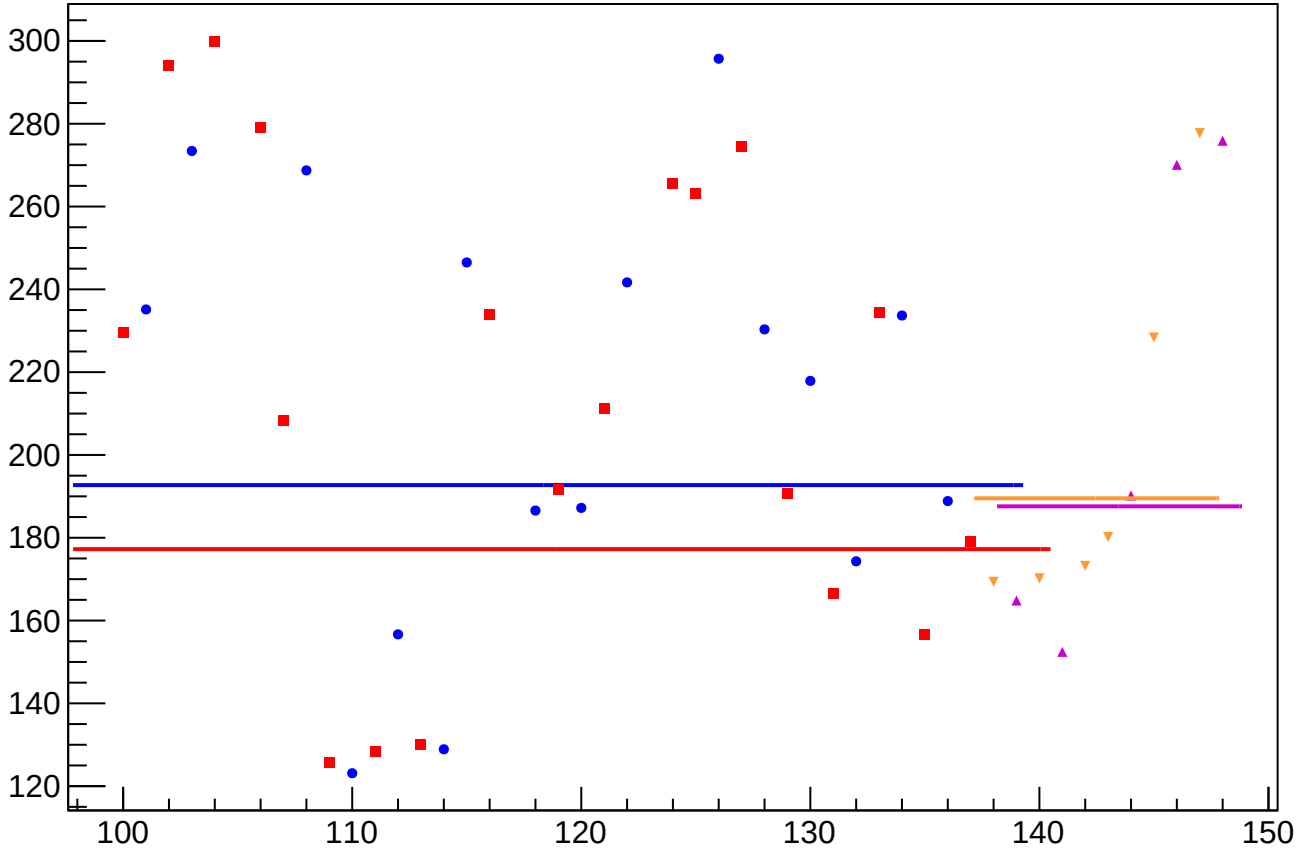
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -242.447+/-58.354 χ^2/NDF:514.5/20

Out: -88.957+/-55.177 χ^2/NDF:1340.2/24

All: -161.411+/-40.092 χ^2/NDF: 1858.4/45

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 189.529+/-0.065 χ^2/NDF:264775.0/5

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 187.585+/-0.066 χ^2/NDF:457279.3/4

Left: 188.570+/-0.046 χ^2/NDF: 722496.0/10

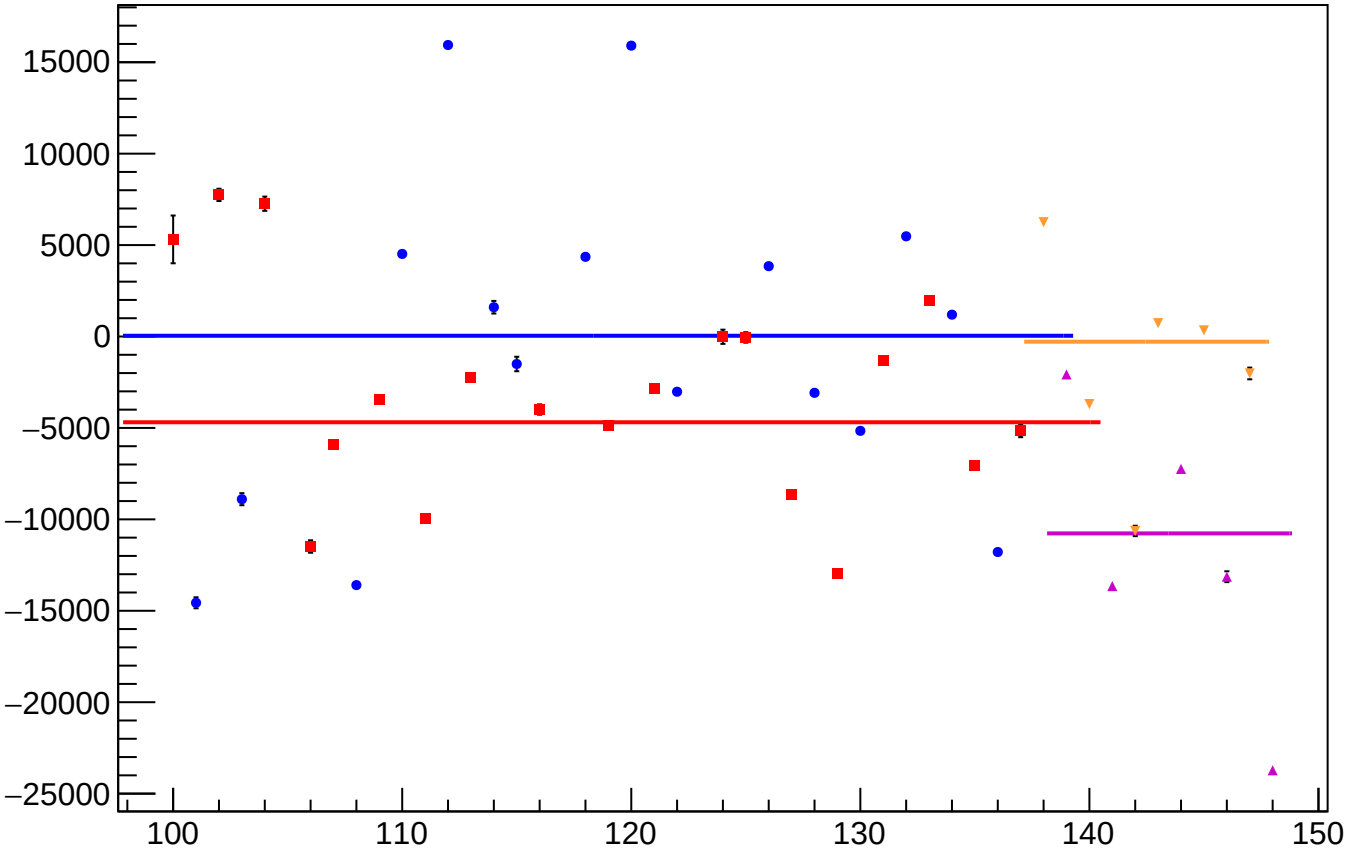
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 190.702+/-0.041 χ^2/NDF:1220118.0/20

Out: 181.683+/-0.039 χ^2/NDF:1513796.3/24

All: 185.940+/-0.028 χ^2/NDF: 2759138.7/45

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -284.663+/-97.341 χ^2/NDF:2859.9/5

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -10768.103+/-98.547 χ^2/NDF:5431.9/4

Left: -5461.884+/-69.253 χ^2/NDF: 14019.8/10

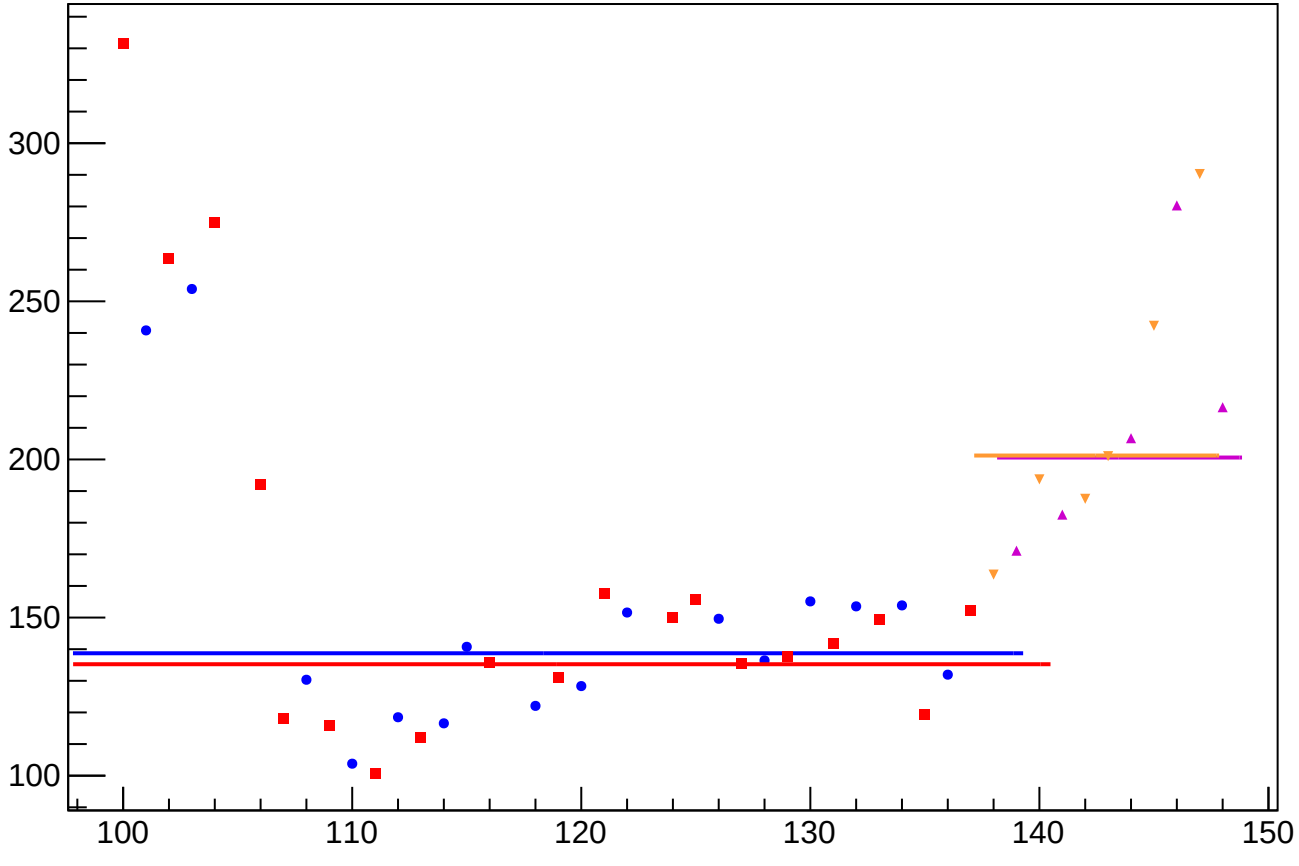
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -2469.290+/-47.490 χ^2/NDF:45454.9/20

Out: -3708.942+/-45.931 χ^2/NDF:12247.5/24

All: -3109.799+/-33.016 χ^2/NDF: 58054.4/45

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 201.238+/-0.069 χ^2/NDF:288851.0/5

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 200.604+/-0.070 χ^2/NDF:220414.0/4

Left: 200.925+/-0.049 χ^2/NDF: 509306.9/10

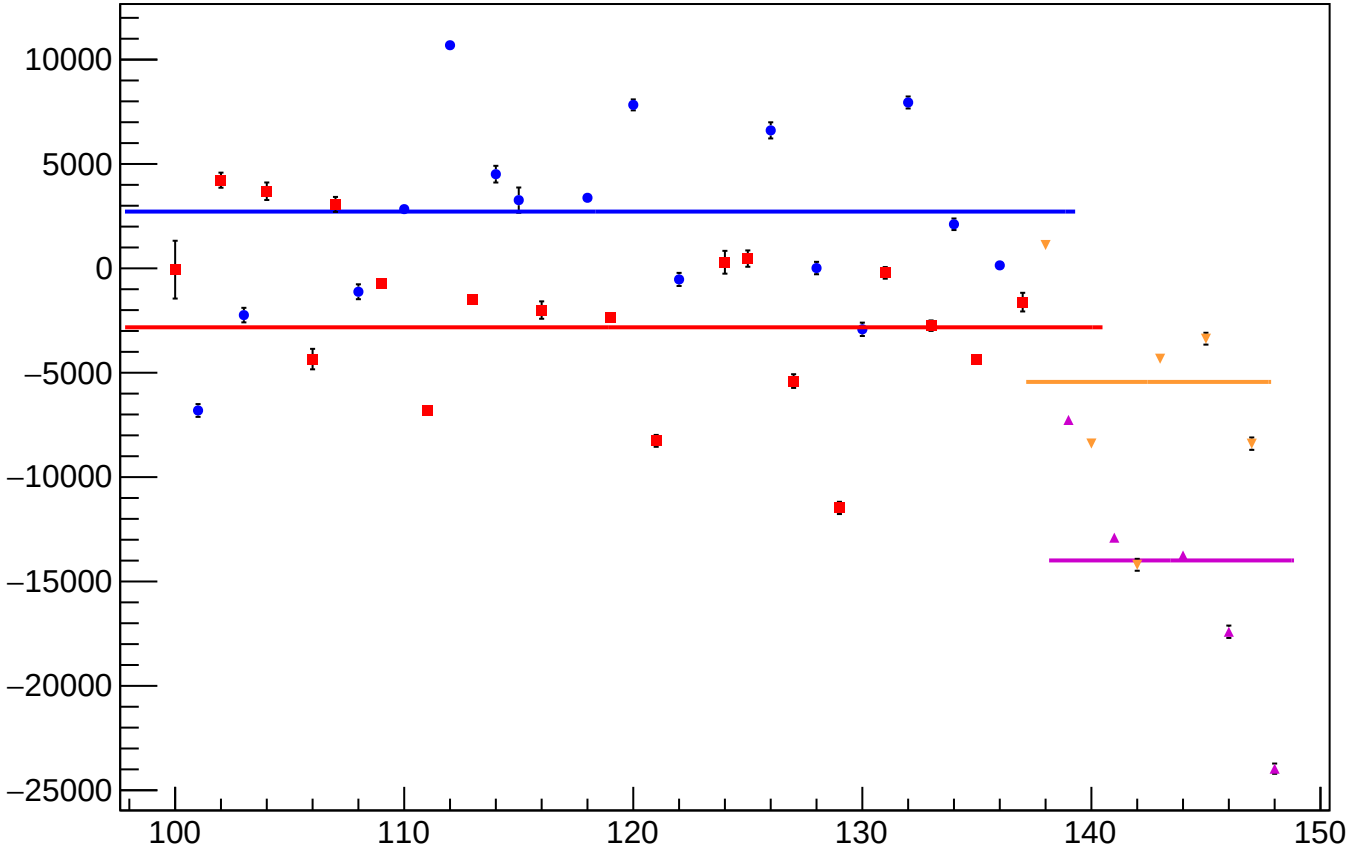
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 153.085+/-0.034 χ^2/NDF:1483892.7/20

Out: 149.938+/-0.032 χ^2/NDF:1893454.8/24

All: 151.459+/-0.023 χ^2/NDF: 3381885.5/45

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5439.501+/-99.958 χ^2/NDF:2318.1/5

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -13991.705+/-99.732 χ^2/NDF:2957.4/4

Left: -9725.254+/-70.601 χ^2/NDF: 8943.8/10

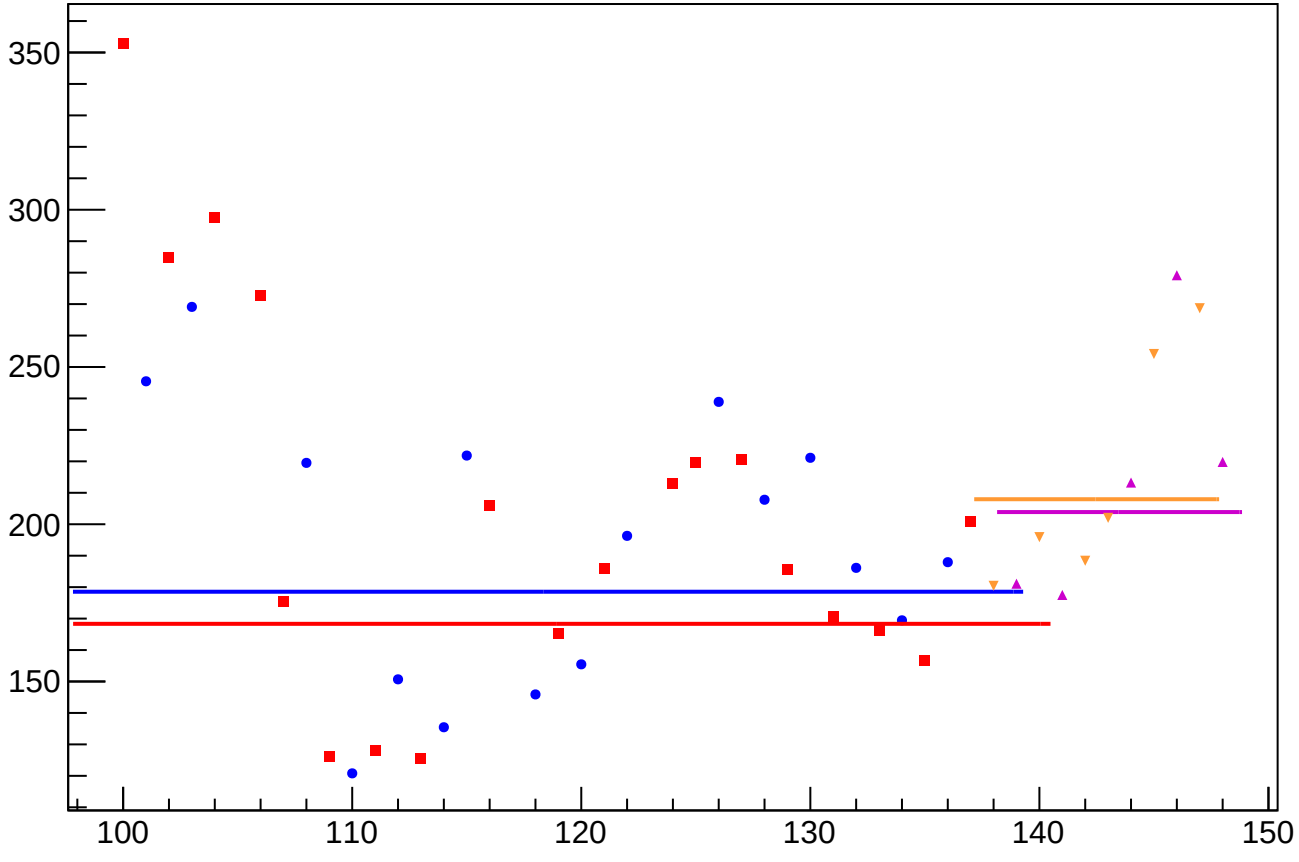
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -2716.016+/-56.880 χ^2/NDF:26031.4/20

Out: -3598.553+/-54.404 χ^2/NDF:5862.8/24

All: -3176.918+/-39.316 χ^2/NDF: 32020.0/45

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 207.953+/-0.071 χ^2/NDF:189146.2/5

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 203.873+/-0.071 χ^2/NDF:205781.5/4

Left: 205.909+/-0.050 χ^2/NDF: 396597.6/10

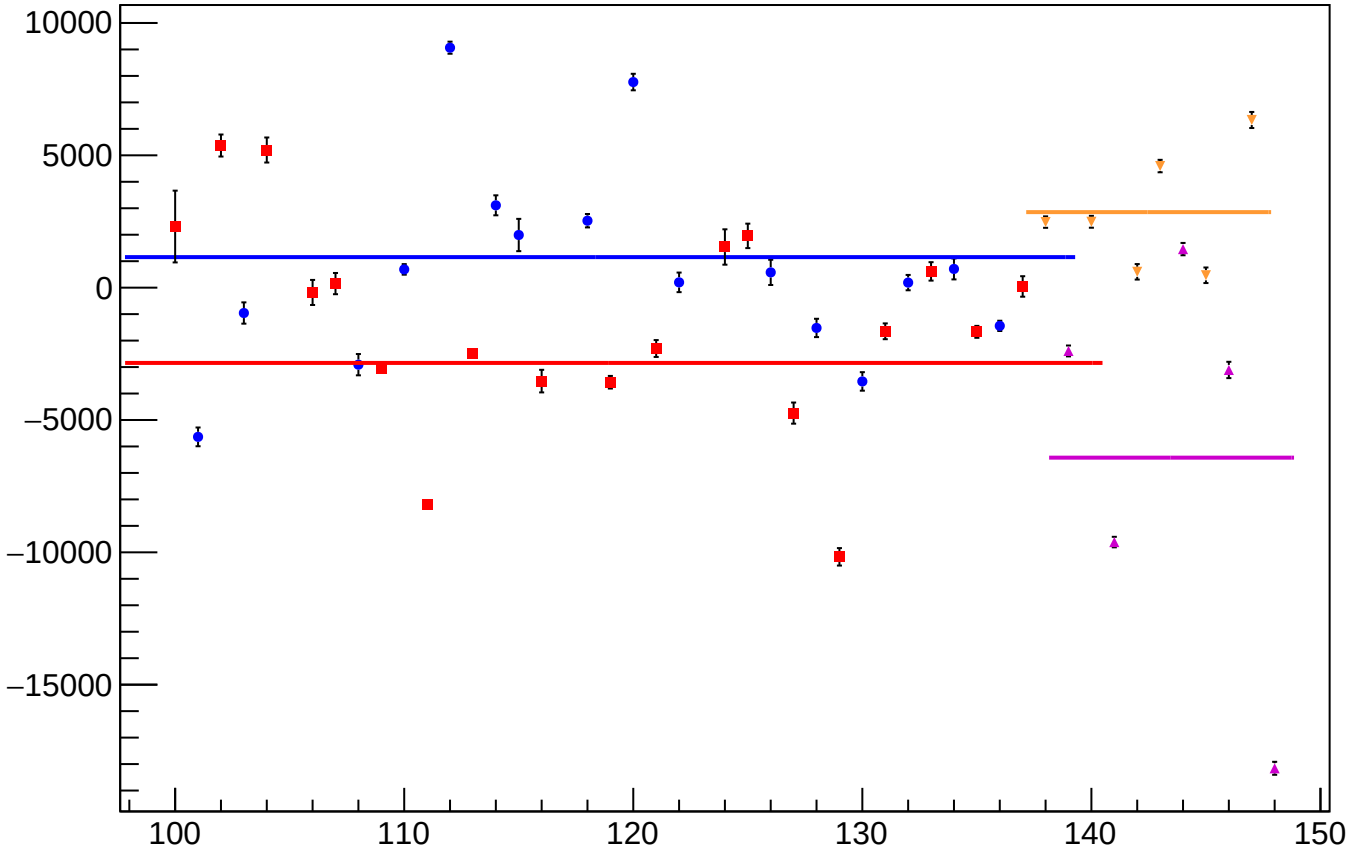
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 186.781+/-0.040 χ^2/NDF:967410.2/20

Out: 180.071+/-0.038 χ^2/NDF:1389753.6/24

All: 183.277+/-0.028 χ^2/NDF: 2371700.4/45

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2853.913+/-103.504 χ^2/NDF:317.2/5

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -6422.846+/-102.826 χ^2/NDF:4189.7/4

Left: -1814.946+/-72.947 χ^2/NDF: 8549.8/10

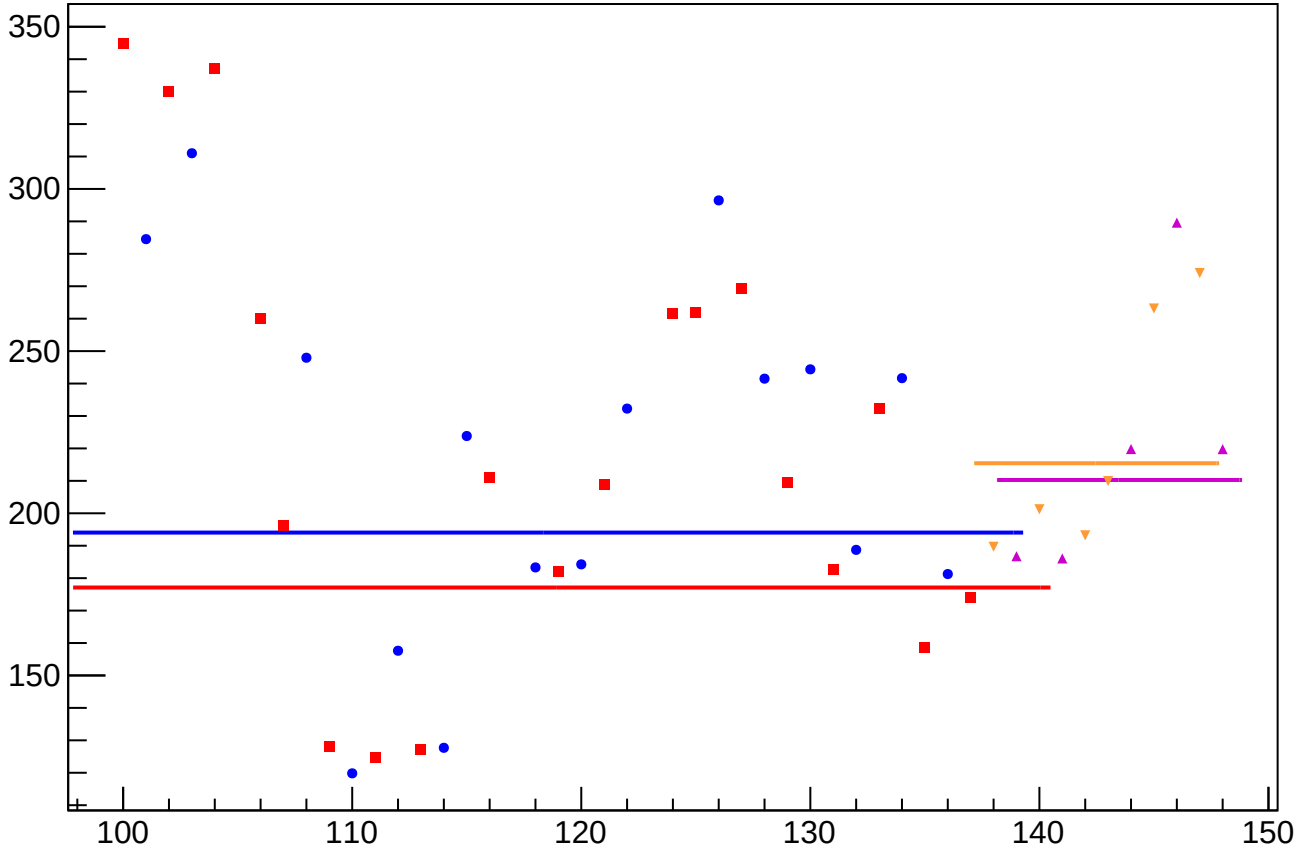
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1520.970+/-61.095 χ^2/NDF:10357.7/20

Out: -1085.925+/-57.492 χ^2/NDF:4865.7/24

All: -1290.241+/-41.869 χ^2/NDF: 15250.3/45

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.430+/-0.073 χ^2/NDF:176419.6/5

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

Left: 212.833+/-0.052 χ^2/NDF: 373750.8/10

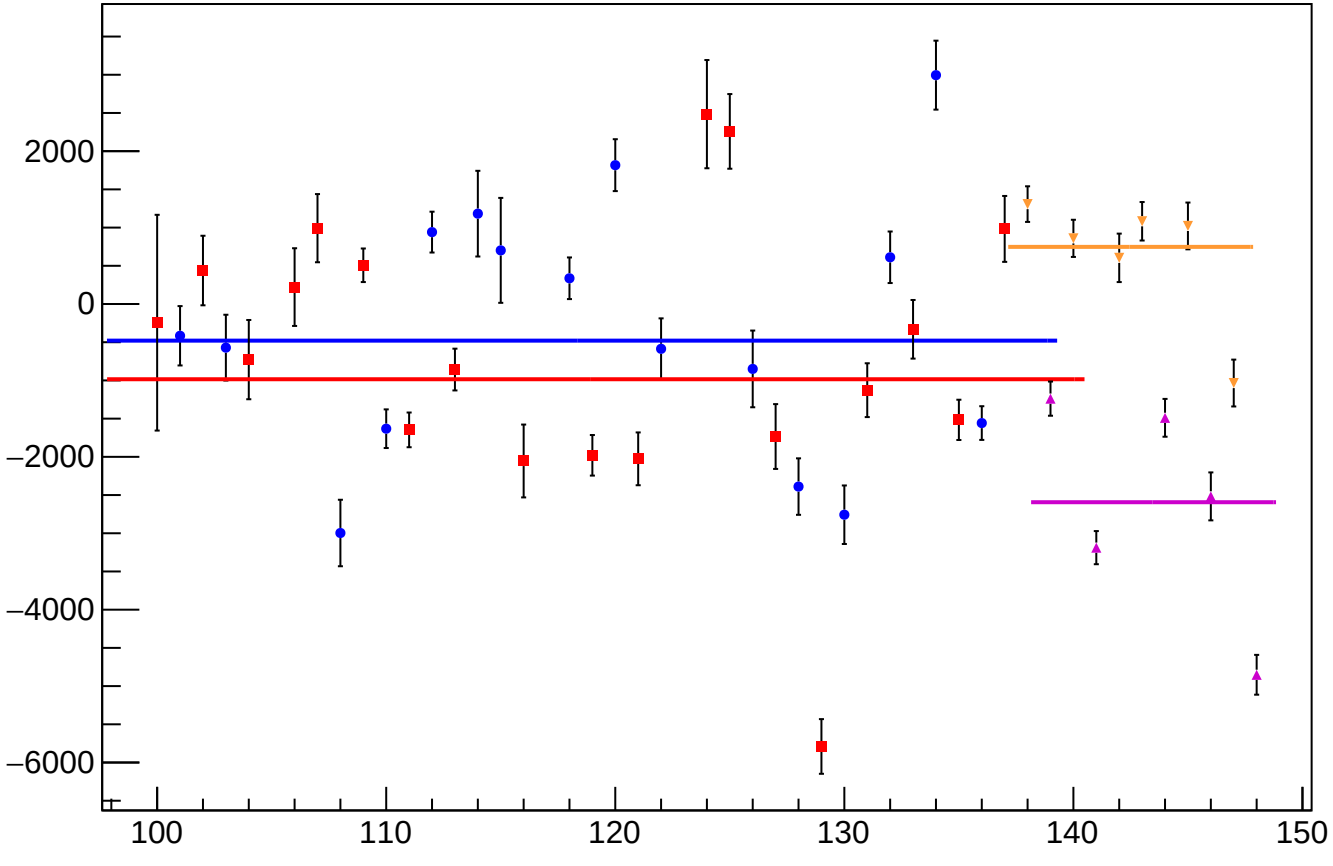
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.778+/-0.043 χ^2/NDF:1192800.2/20

Out: 188.937+/-0.041 χ^2/NDF:1725271.6/24

All: 194.028+/-0.030 χ^2/NDF: 2951472.7/45

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 747.608+/-110.203 χ^2/NDF:42.5/5

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2593.760+/-110.113 χ^2/NDF:139.3/4

Left: -924.437+/-77.893 χ^2/NDF: 641.9/10

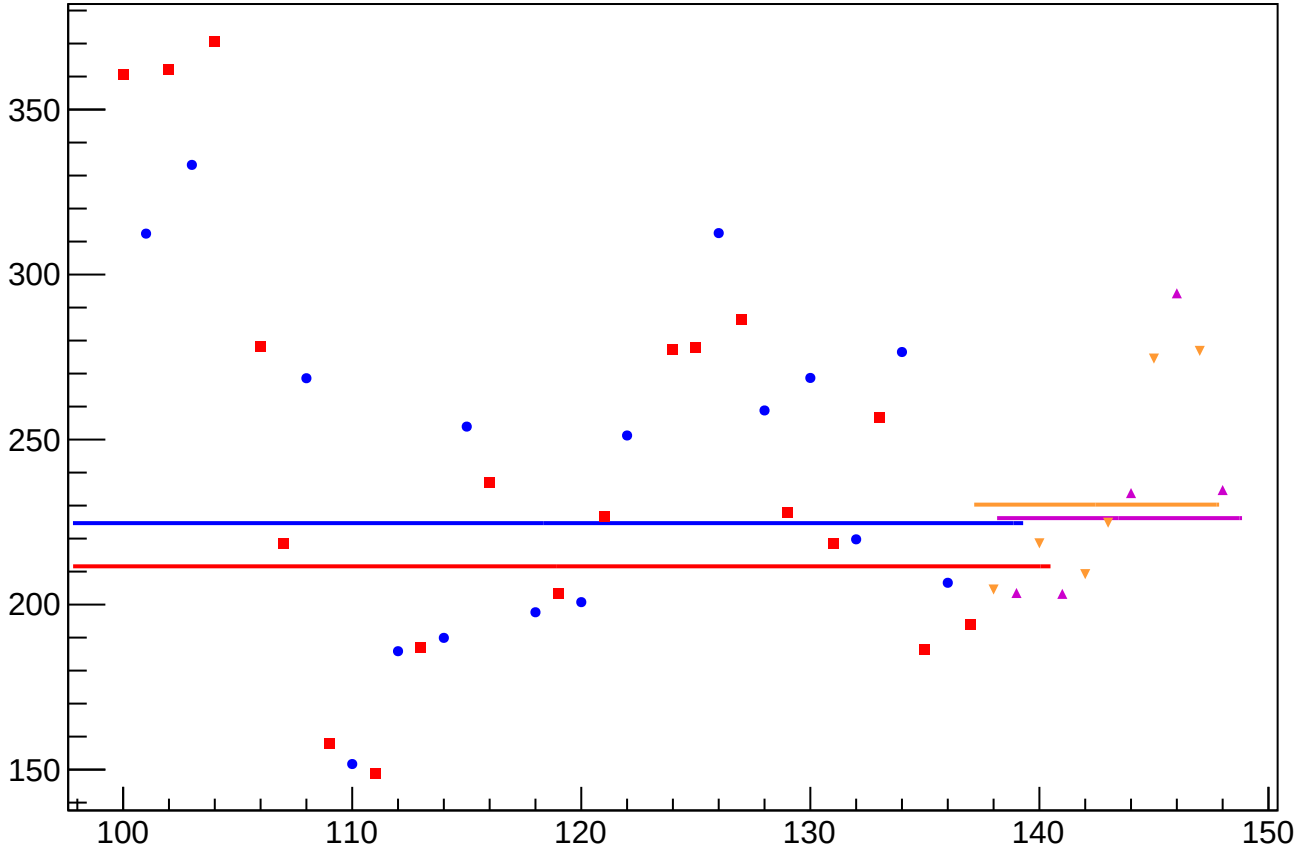
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1288.332+/-68.112 χ^2/NDF:672.4/20

Out: -377.493+/-65.238 χ^2/NDF:601.1/24

All: -813.294+/-47.113 χ^2/NDF: 1366.9/45

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 230.291+/-0.078 χ^2/NDF:126757.6/5

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 226.200+/-0.078 χ^2/NDF:141247.6/4

Left: 228.244+/-0.055 χ^2/NDF: 269384.2/10

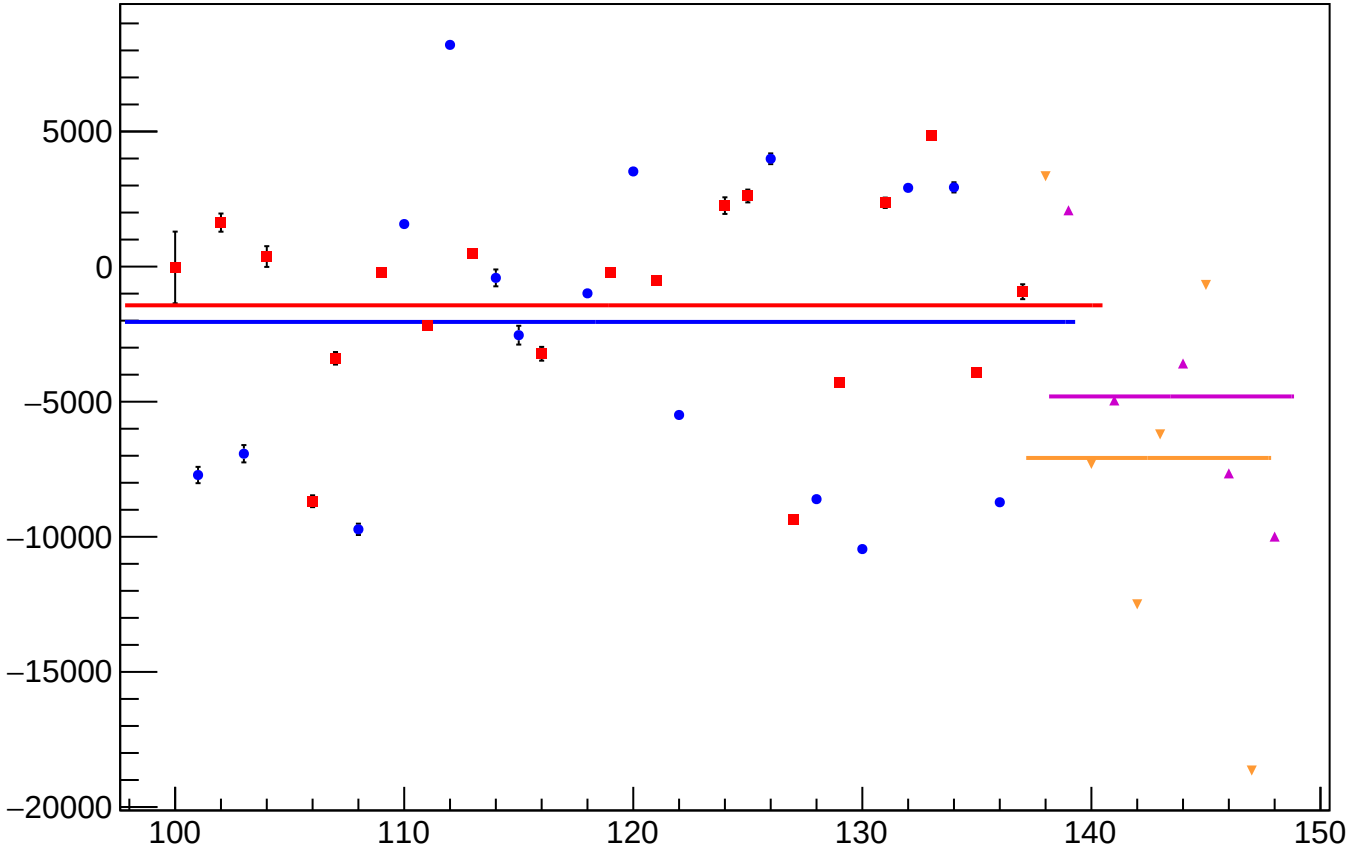
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.263+/-0.048 χ^2/NDF:794675.4/20

Out: 218.147+/-0.046 χ^2/NDF:1097049.4/24

All: 221.552+/-0.033 χ^2/NDF: 1903111.6/45

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7081.454+/-53.760 χ^2/NDF:18936.7/5

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4805.199+/-54.954 χ^2/NDF:5341.9/4

Left: -5968.314+/-38.429 χ^2/NDF: 25155.3/10

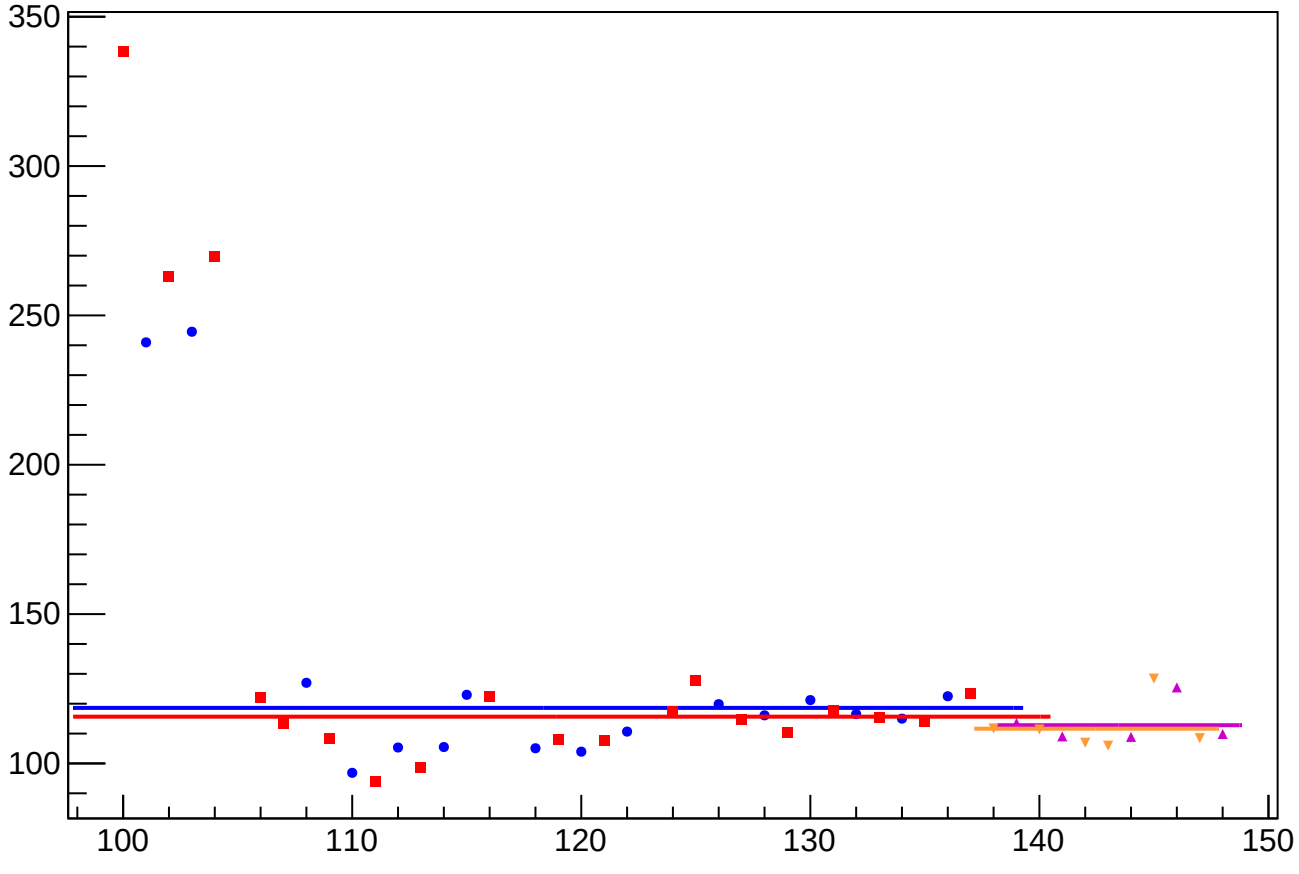
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3204.397+/-35.596 χ^2/NDF:23513.0/20

Out: -3743.541+/-34.384 χ^2/NDF:31848.1/24

All: -3483.300+/-24.730 χ^2/NDF: 55479.8/45

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.635+/-0.038 χ^2/NDF:34278.3/5

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 112.799+/-0.039 χ^2/NDF:23347.4/4

Left: 112.204+/-0.027 χ^2/NDF: 58084.0/10

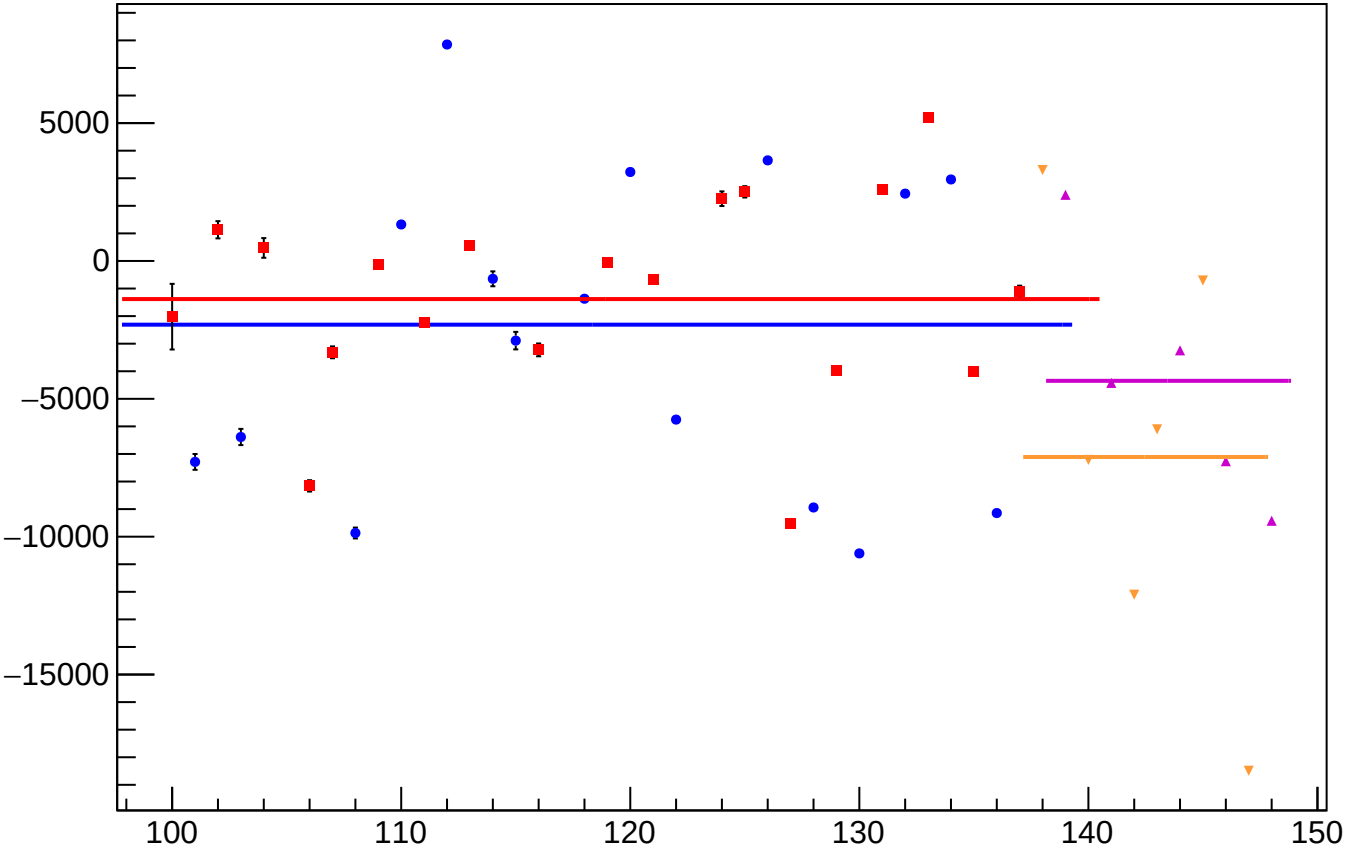
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.164+/-0.025 χ^2/NDF:770423.1/20

Out: 114.013+/-0.024 χ^2/NDF:905107.1/24

All: 115.051+/-0.017 χ^2/NDF: 1679305.8/45

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -7110.041+/-49.184 χ^2/NDF:22002.4/5

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4347.442+/-49.858 χ^2/NDF:6347.0/4

Left: -5747.557+/-35.014 χ^2/NDF: 29905.5/10

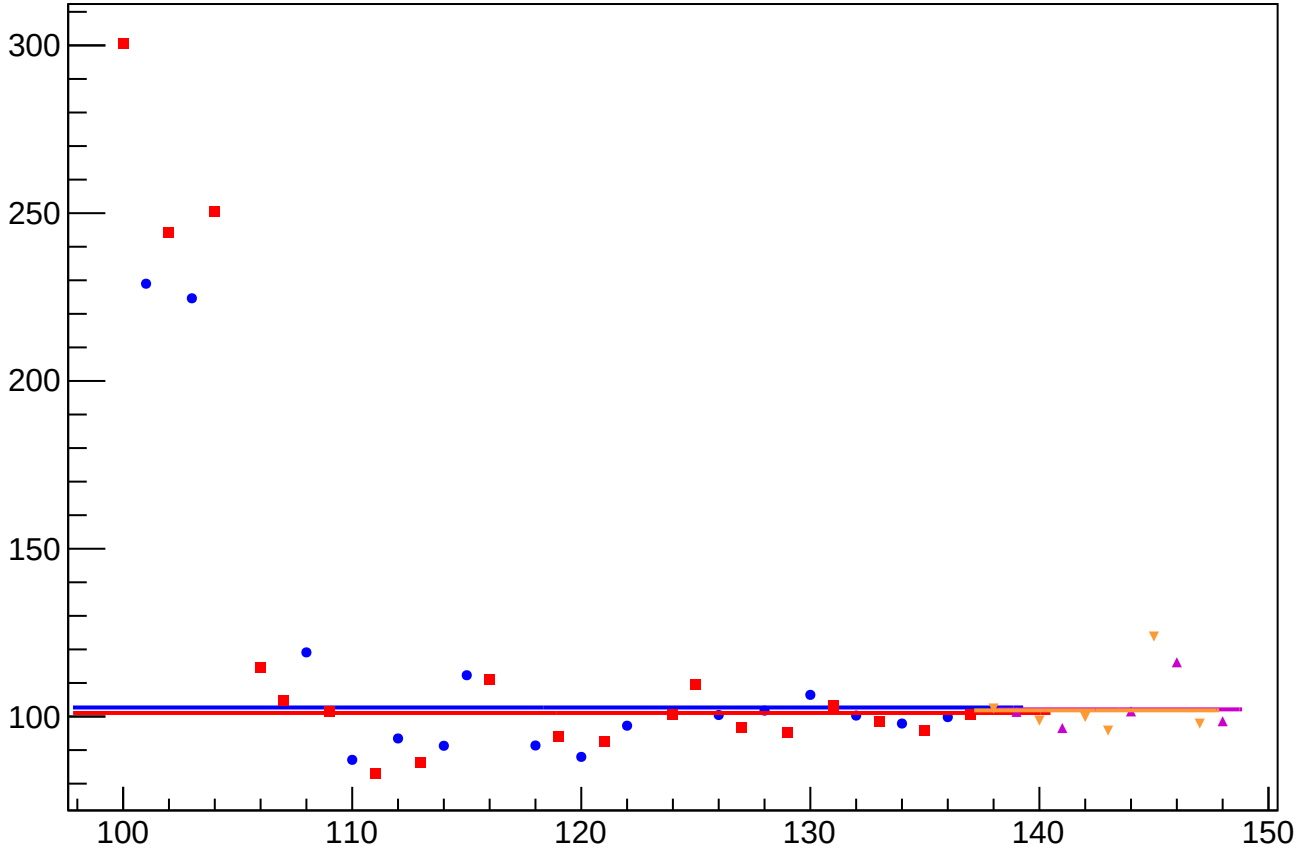
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3125.933+/-31.545 χ^2/NDF:29027.4/20

Out: -3617.085+/-30.722 χ^2/NDF:38852.0/24

All: -3377.996+/-22.009 χ^2/NDF: 68003.8/45

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.845+/-0.035 χ^2/NDF:60193.7/5

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 102.130+/-0.035 χ^2/NDF:33498.7/4

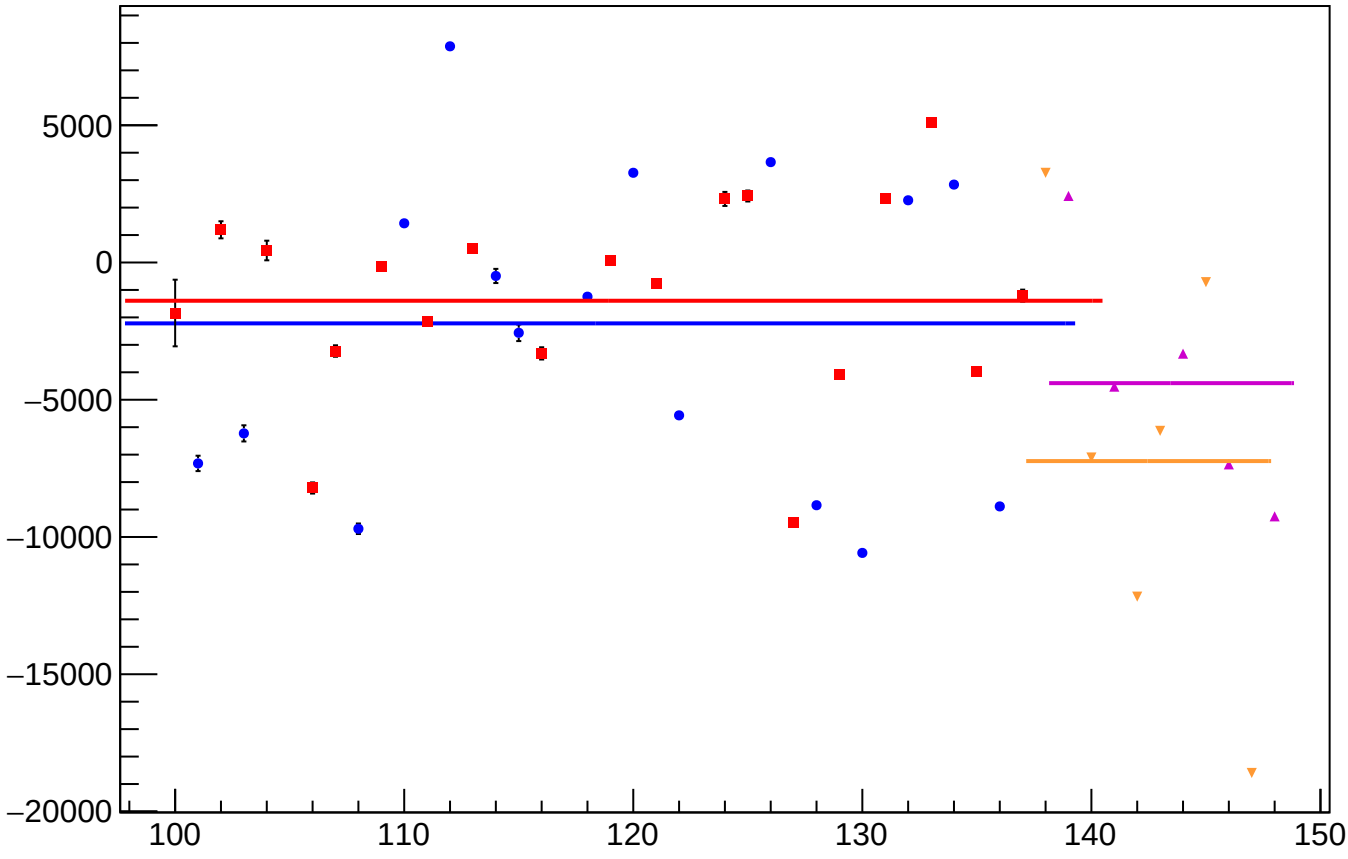
Left: 101.986+/-0.025 χ^2/NDF: 93725.5/10

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.468+/-0.022 χ^2/NDF:859453.6/20

Out: 101.368+/-0.022 χ^2/NDF:990959.9/24

All: 101.904+/-0.016 χ^2/NDF: 1851661.0/45



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -7234.668+/-47.549 χ^2/NDF:24130.4/5

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4395.488+/-48.154 χ^2/NDF:6702.2/4

Left: -5833.014+/-33.834 χ^2/NDF: 32592.8/10

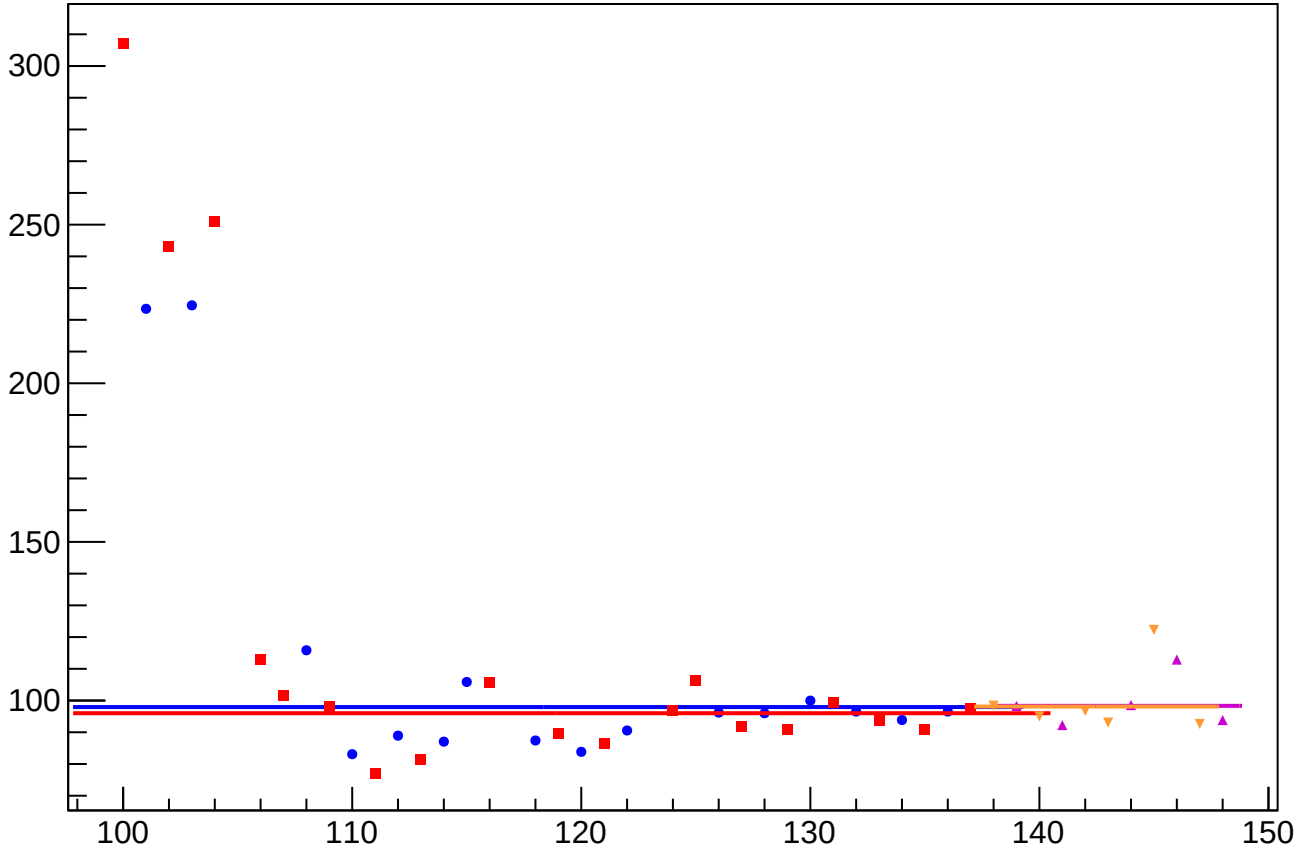
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3081.607+/-30.325 χ^2/NDF:30976.7/20

Out: -3639.328+/-29.483 χ^2/NDF:42571.2/24

All: -3368.315+/-21.139 χ^2/NDF: 73721.8/45

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.113+/-0.034 χ^2/NDF:72956.3/5

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 98.327+/-0.034 χ^2/NDF:40155.8/4

Left: 98.219+/-0.024 χ^2/NDF: 113132.2/10

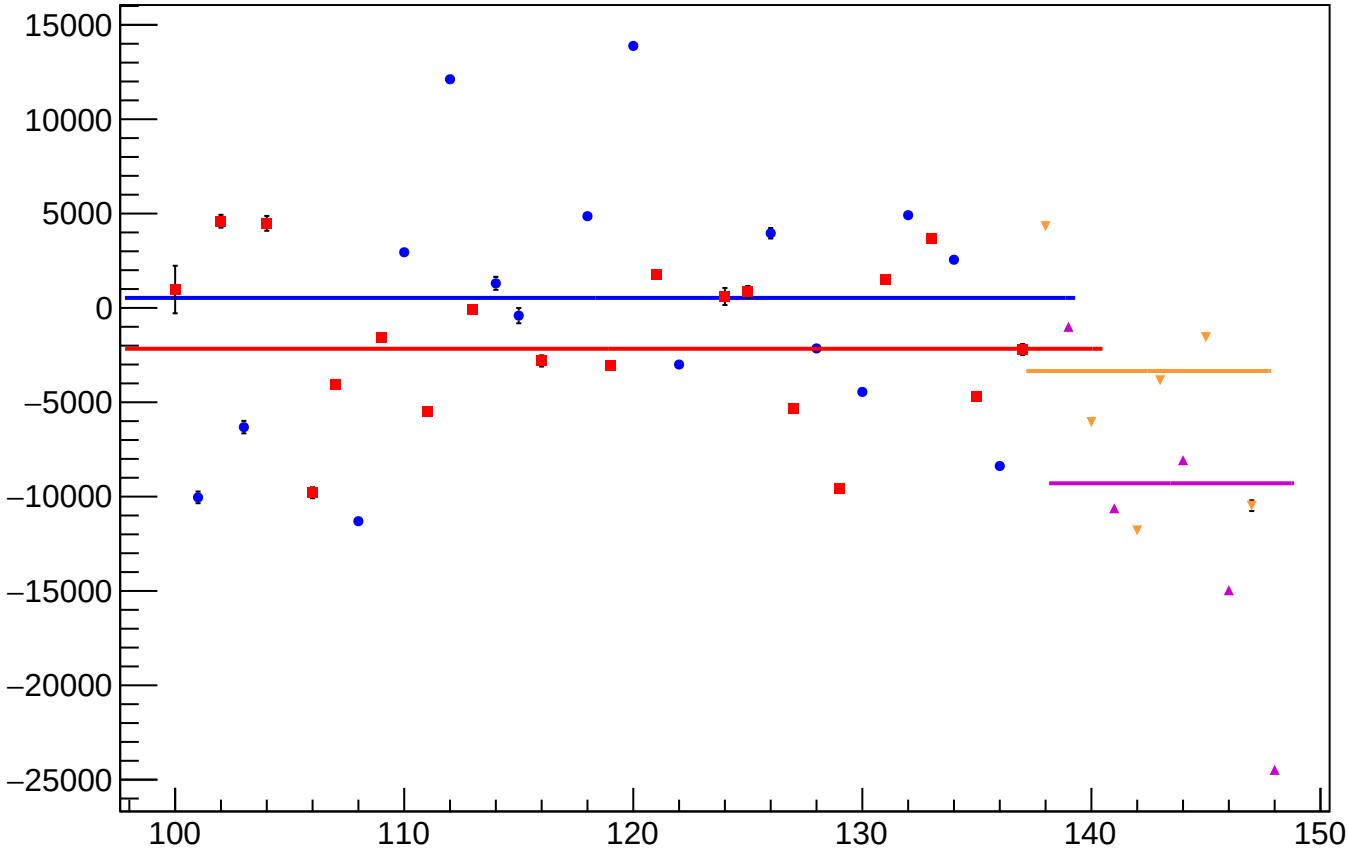
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.096+/-0.021 χ^2/NDF:908380.7/20

Out: 96.815+/-0.021 χ^2/NDF:1087662.4/24

All: 97.437+/-0.015 χ^2/NDF: 1997876.6/45

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3343.092+/-77.476 χ^2/NDF:4731.8/5

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -9293.677+/-82.259 χ^2/NDF:6801.2/4

Left: -6140.348+/-56.399 χ^2/NDF: 14306.1/10

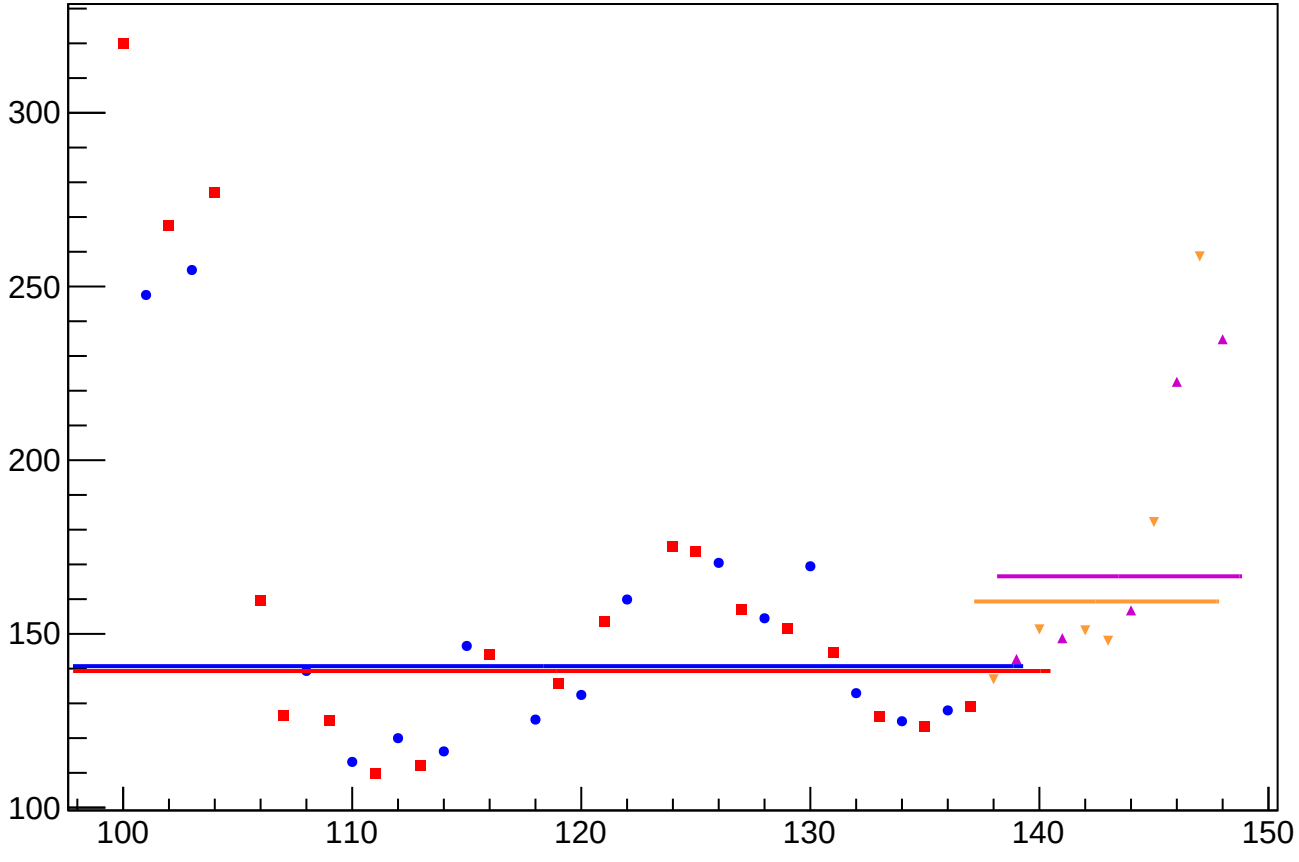
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -2493.437+/-45.638 χ^2/NDF:35261.9/20

Out: -2544.975+/-44.000 χ^2/NDF:9855.5/24

All: -2520.147+/-31.676 χ^2/NDF: 45118.1/45

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 159.335+/-0.055 χ^2/NDF:324653.7/5

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 166.578+/-0.058 χ^2/NDF:325790.2/4

Left: 162.740+/-0.040 χ^2/NDF: 658662.4/10

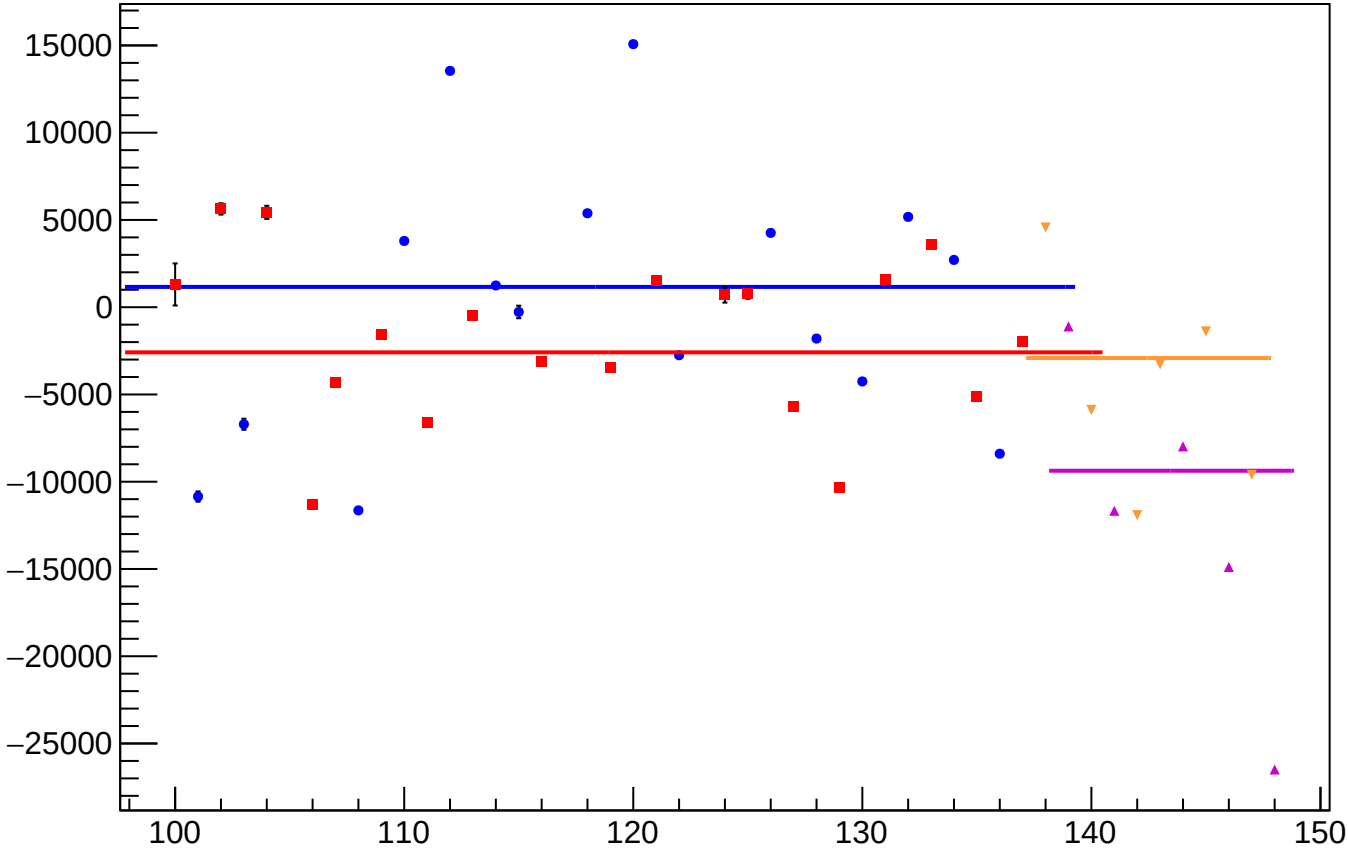
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.676+/-0.032 χ^2/NDF:1138259.6/20

Out: 145.773+/-0.031 χ^2/NDF:1217420.5/24

All: 147.172+/-0.022 χ^2/NDF: 2359873.3/45

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2912.798+/-69.148 χ^2/NDF:6092.2/5

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -9370.746+/-73.442 χ^2/NDF:9415.3/4

Left: -5947.442+/-50.345 χ^2/NDF: 19606.3/10

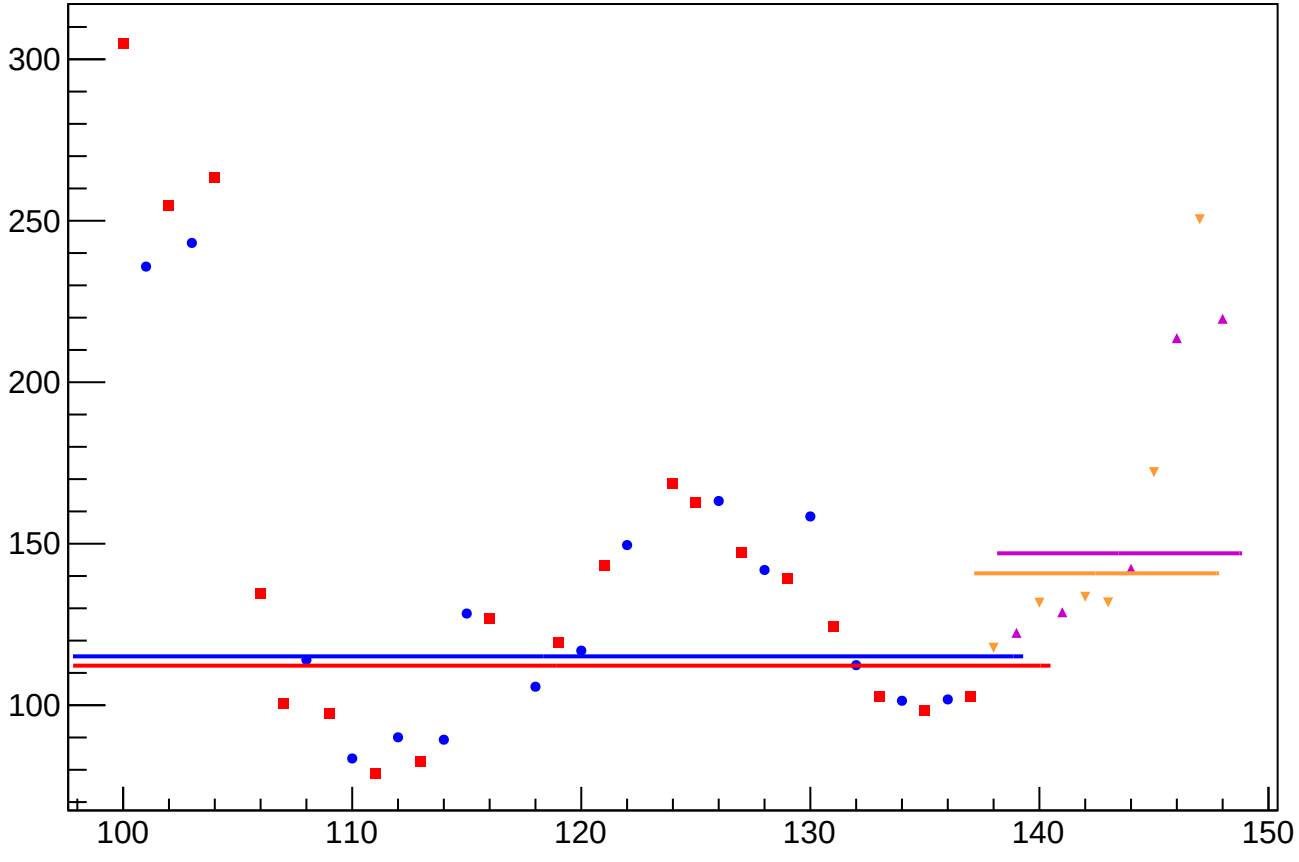
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -1798.599+/-38.942 χ^2/NDF:54957.7/20

Out: -2681.502+/-37.275 χ^2/NDF:14207.7/24

All: -2259.345+/-26.928 χ^2/NDF: 69433.6/45

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 140.829+/-0.049 χ^2/NDF:442494.2/5

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 147.027+/-0.052 χ^2/NDF:447714.0/4

Left: 143.742+/-0.036 χ^2/NDF: 897759.7/10

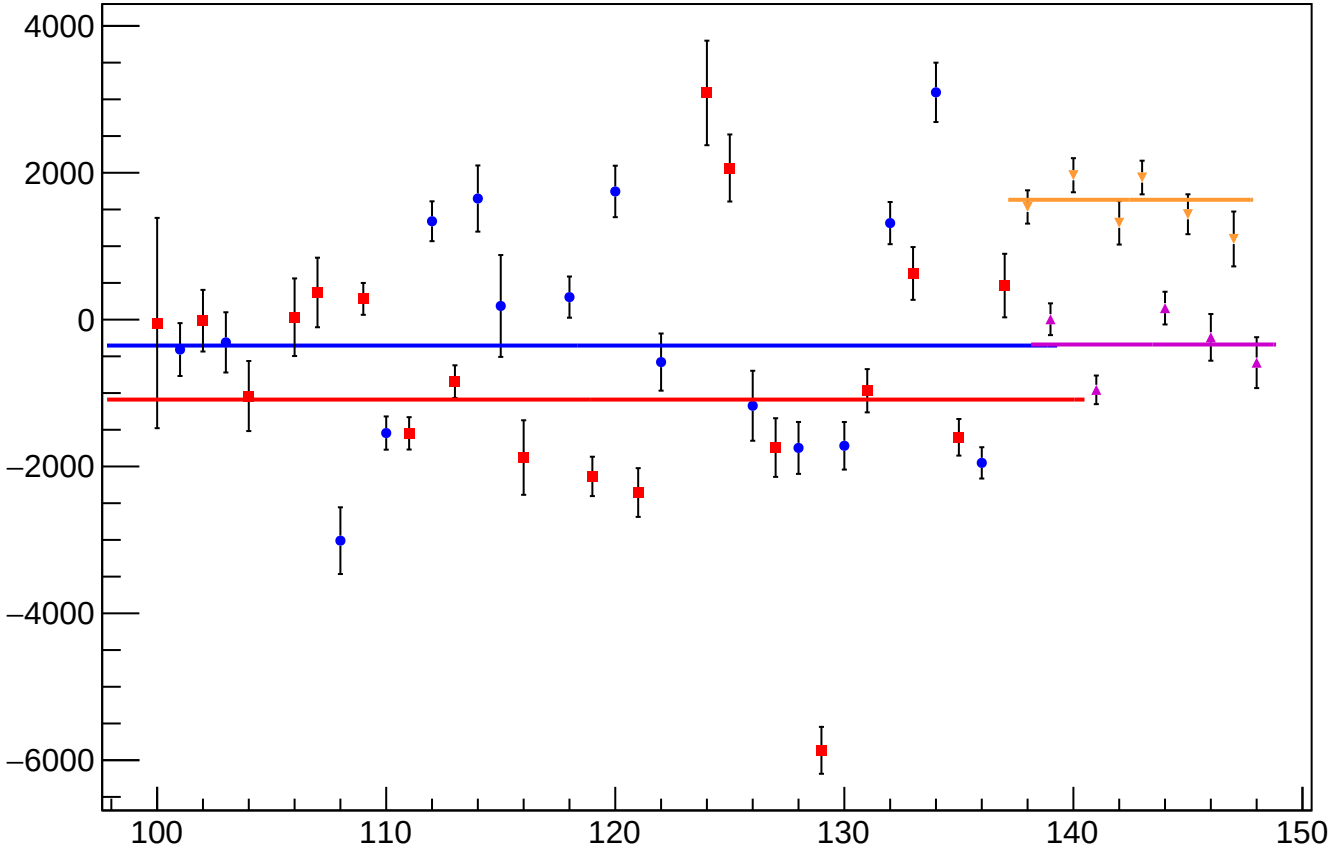
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 124.095+/-0.028 χ^2/NDF:1831976.8/20

Out: 120.549+/-0.026 χ^2/NDF:2013163.7/24

All: 122.244+/-0.019 χ^2/NDF: 3853794.6/45

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1632.191+/-105.903 χ^2/NDF:7.7/5

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -338.716+/-107.830 χ^2/NDF:18.1/4

Left: 664.503+/-75.557 χ^2/NDF: 195.9/10

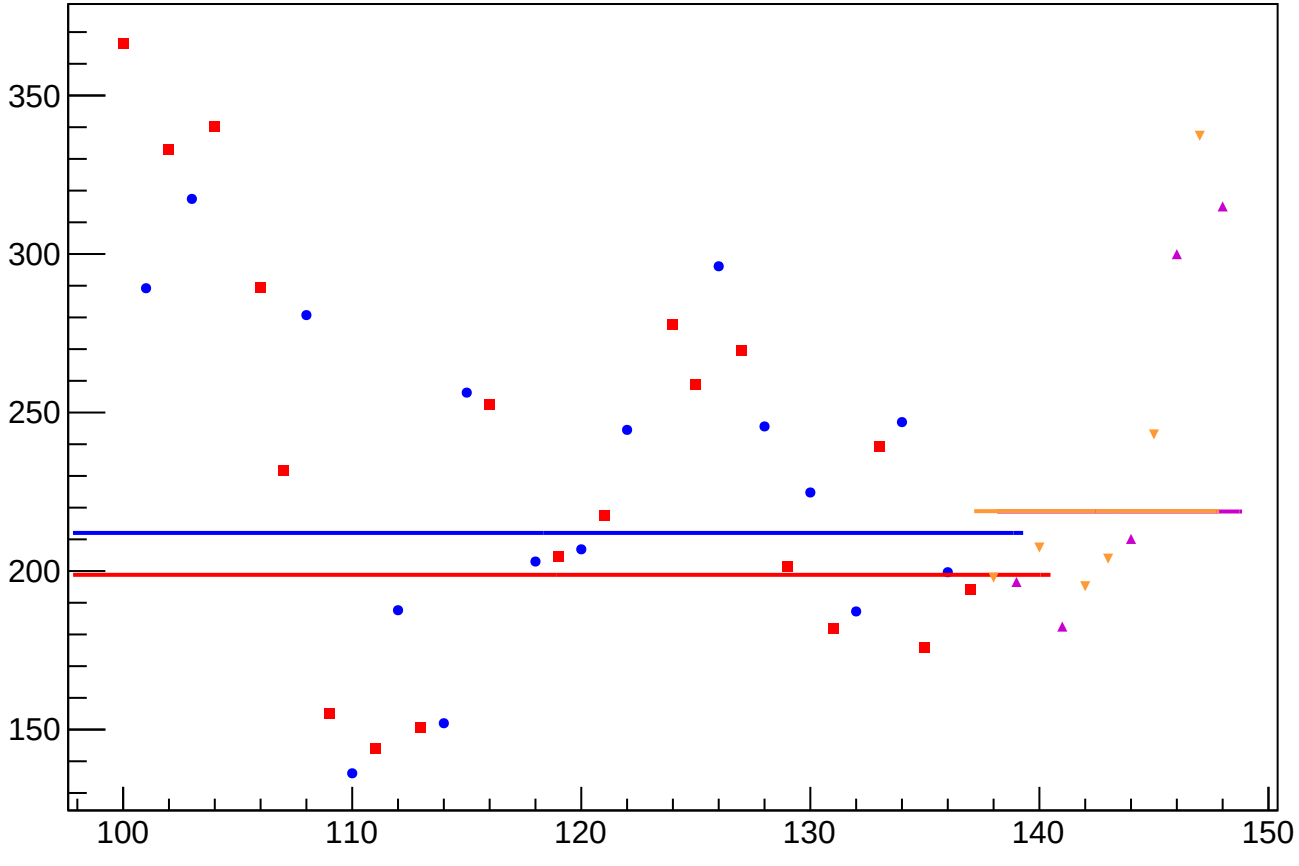
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -347.837+/-65.339 χ^2/NDF:379.9/20

Out: -156.681+/-61.983 χ^2/NDF:888.8/24

All: -247.223+/-44.968 χ^2/NDF: 1273.3/45

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 218.889+/-0.075 χ^2/NDF:260104.4/5

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 218.782+/-0.076 χ^2/NDF:377760.7/4

Left: 218.837+/-0.053 χ^2/NDF: 637866.1/10

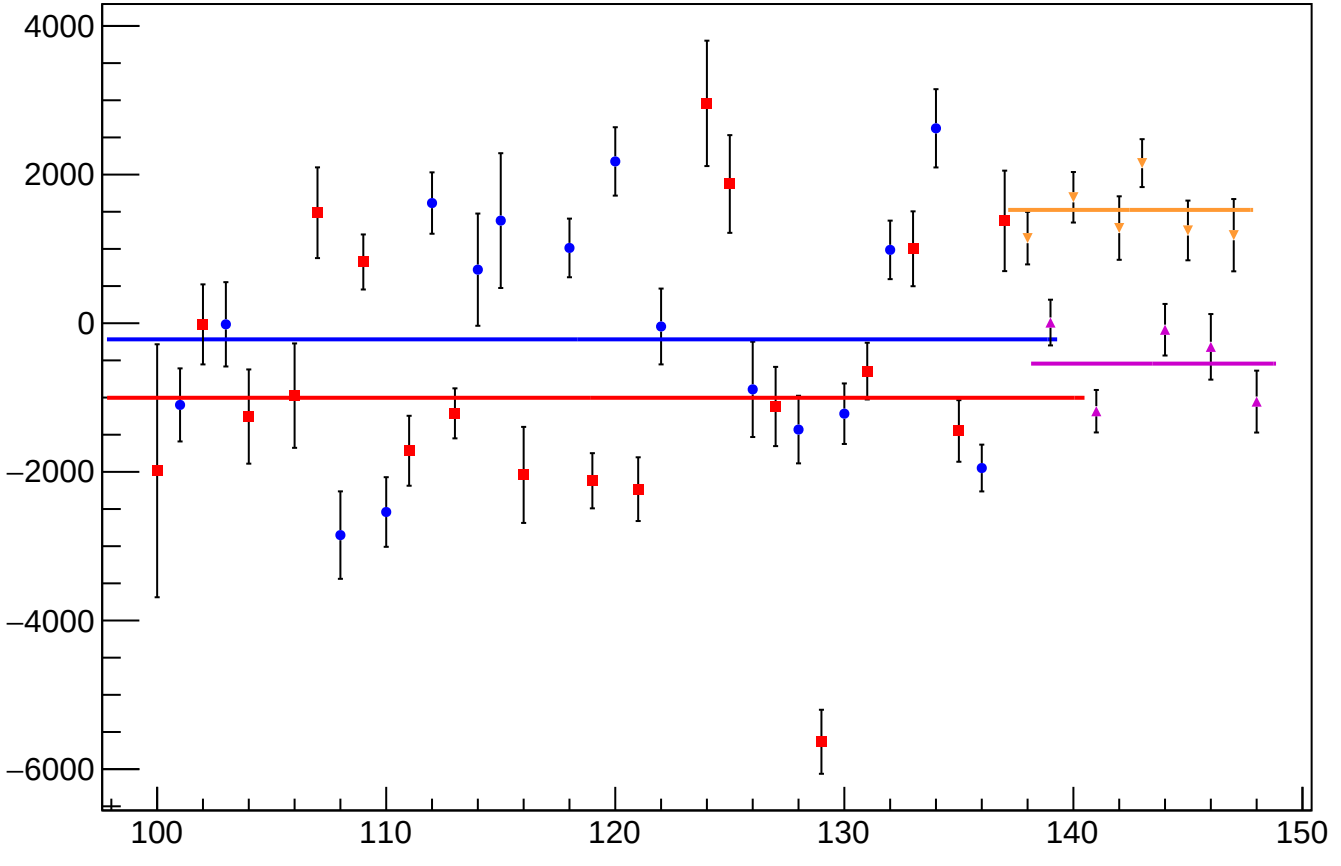
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 214.508+/-0.046 χ^2/NDF:1073085.6/20

Out: 205.688+/-0.044 χ^2/NDF:1282304.4/24

All: 209.865+/-0.032 χ^2/NDF: 2374571.1/45

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1524.872+/-153.970 χ^2/NDF:6.5/5

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -543.452+/-154.266 χ^2/NDF:11.7/4

Left: 492.694+/-108.978 χ^2/NDF: 108.3/10

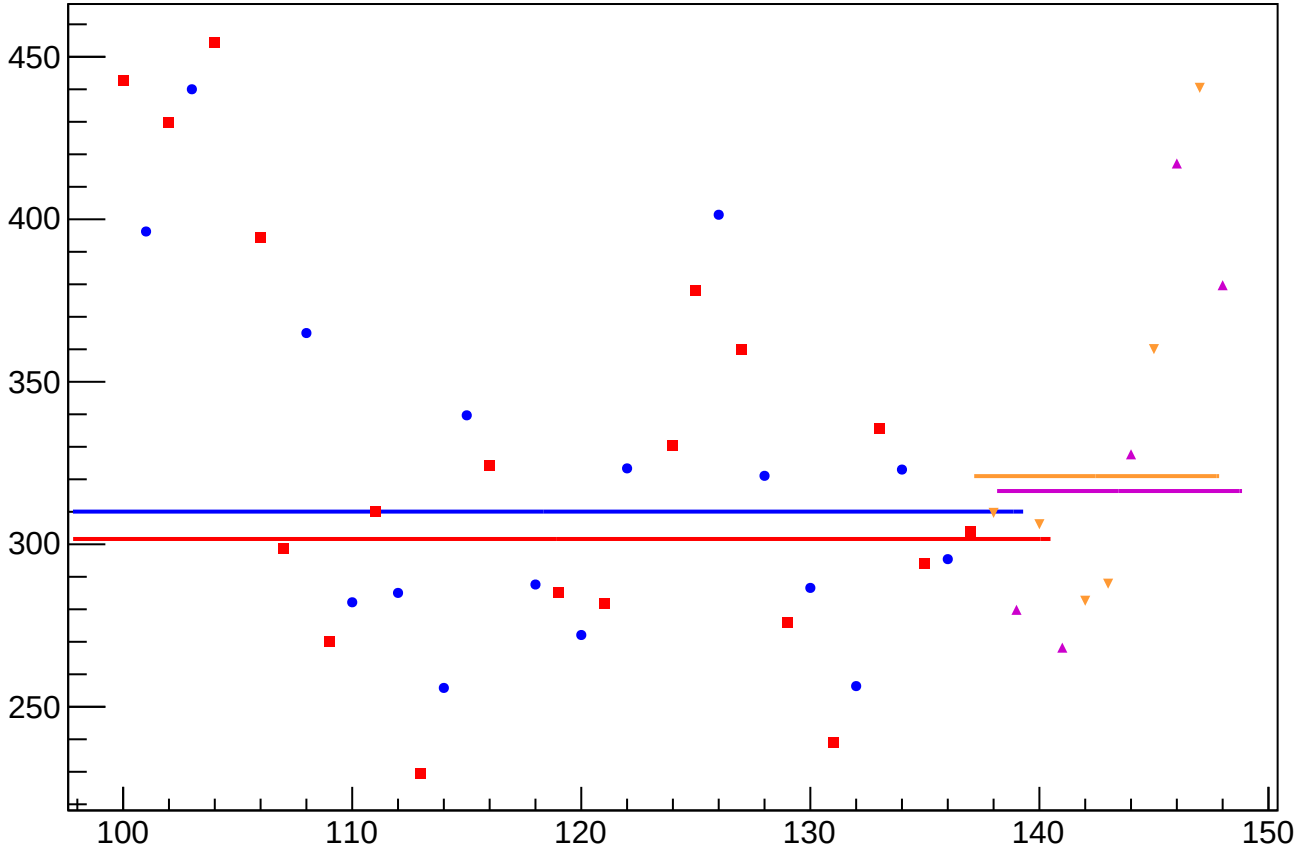
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -337.322+/-93.668 χ^2/NDF:206.7/20

Out: -116.981+/-91.157 χ^2/NDF:435.9/24

All: -224.158+/-65.327 χ^2/NDF: 645.5/45

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 320.979+/-0.109 χ^2/NDF:182673.9/5

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 316.393+/-0.109 χ^2/NDF:237809.8/4

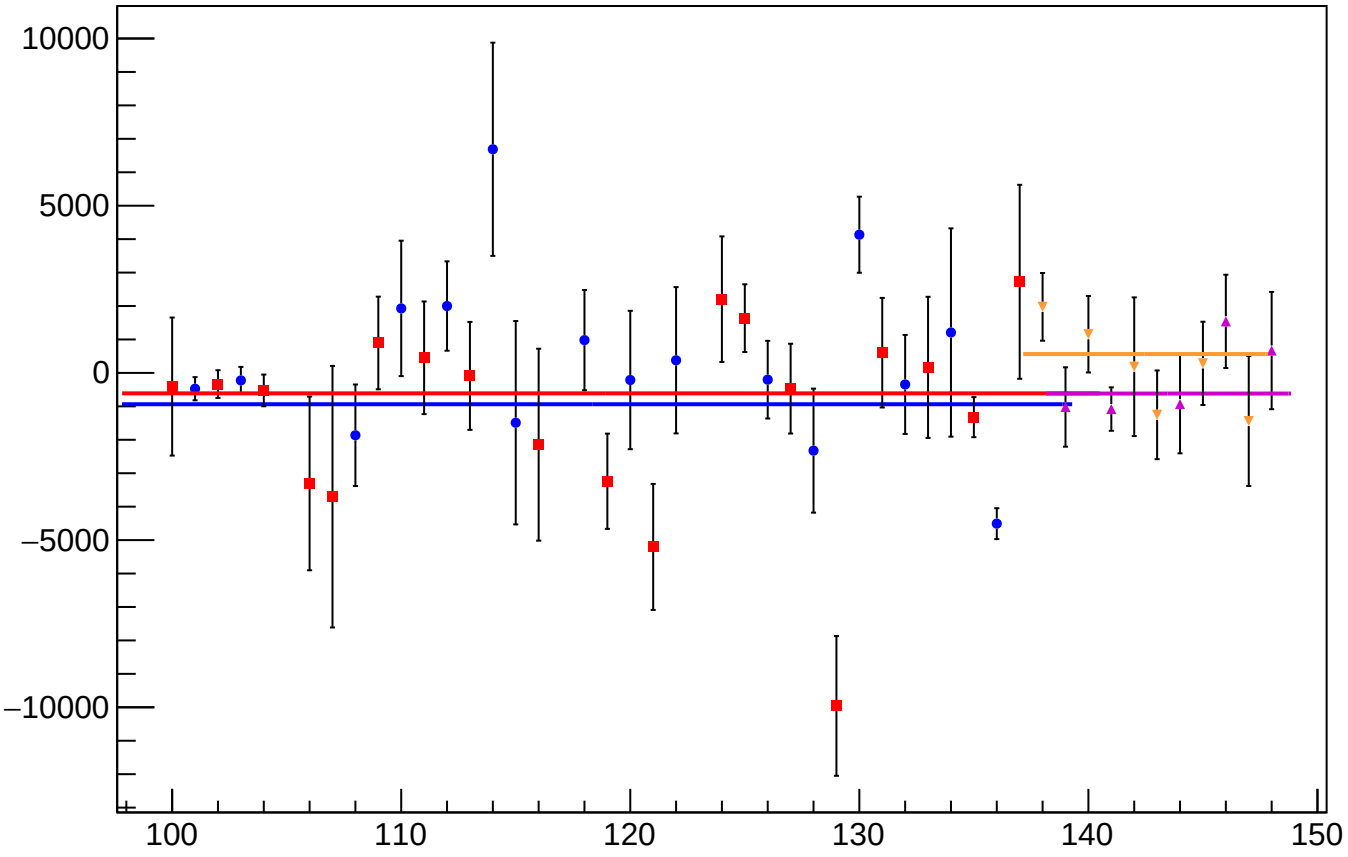
Left: 318.690+/-0.077 χ^2/NDF: 421369.2/10

Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 312.396+/-0.066 χ^2/NDF:563219.8/20

Out: 308.417+/-0.064 χ^2/NDF:723061.7/24

All: 310.352+/-0.046 χ^2/NDF: 1288135.4/45



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 563.939+/-538.141 χ^2/NDF:5.2/5

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -617.415+/-478.039 χ^2/NDF:3.6/4

Left: -96.365+/-357.393 χ^2/NDF: 11.5/10

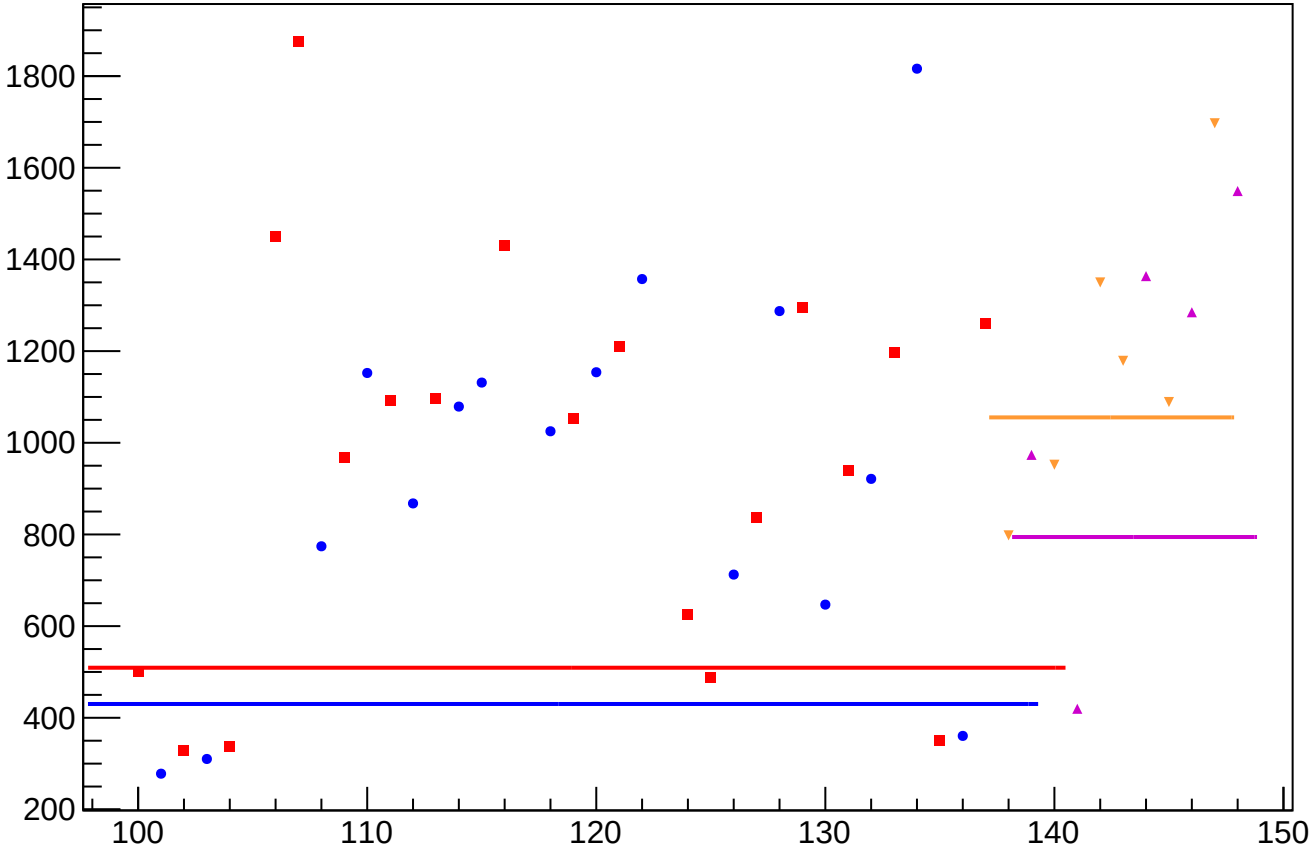
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -887.431+/-188.187 χ^2/NDF:105.2/20

Out: -425.882+/-213.930 χ^2/NDF:53.4/24

All: -686.084+/-141.298 χ^2/NDF: 161.2/45

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1055.383+/-0.381 χ^2/NDF:422897.9/5

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 794.418+/-0.338 χ^2/NDF:1626316.6/4

Left: 909.519+/-0.253 χ^2/NDF: 2312100.4/10

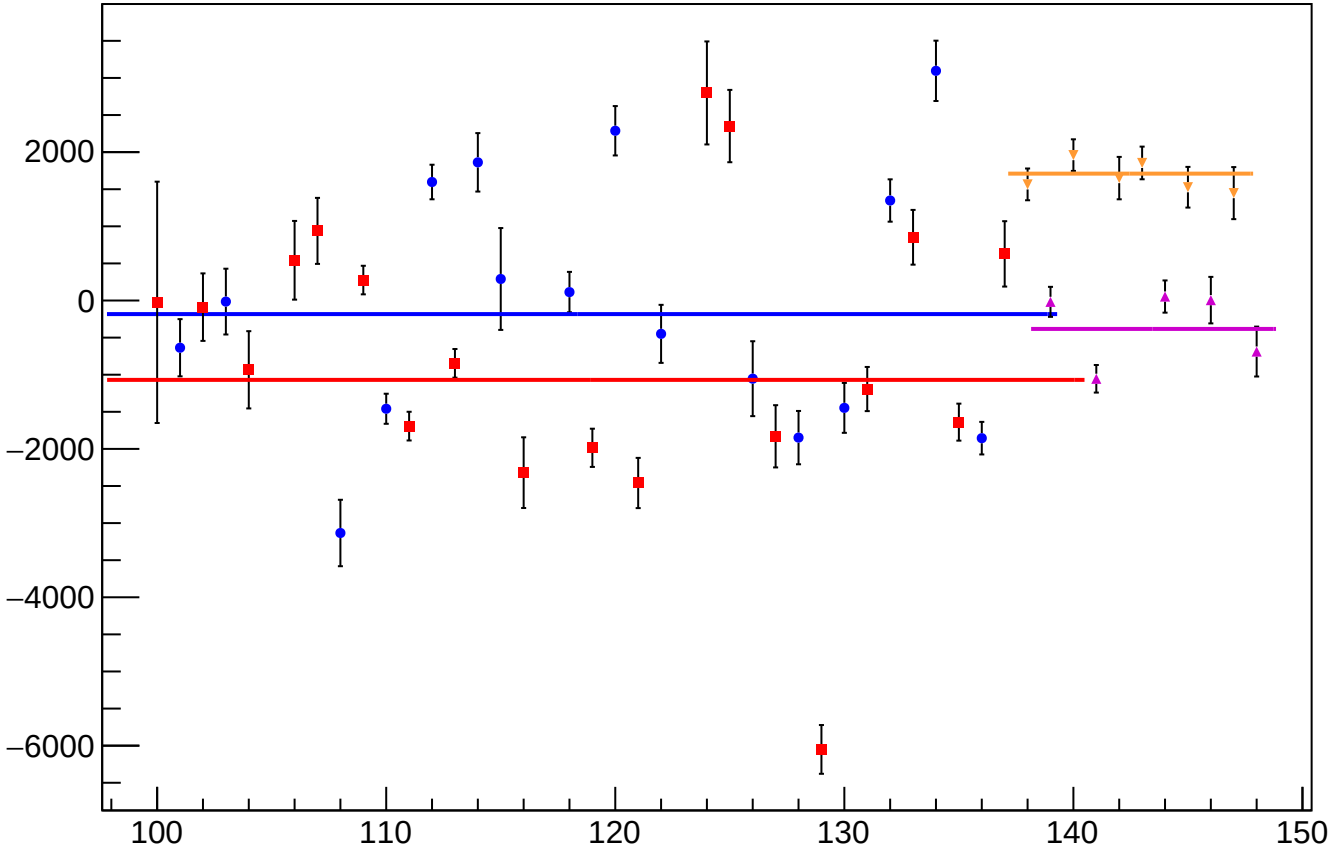
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 486.567+/-0.133 χ^2/NDF:6129724.5/20

Out: 595.546+/-0.151 χ^2/NDF:5830732.7/24

All: 534.108+/-0.100 χ^2/NDF: 12253047.9/45

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1710.249+/-100.935 χ^2/NDF:3.3/5

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -382.925+/-103.357 χ^2/NDF:22.7/4

Left: 688.479+/-72.213 χ^2/NDF: 236.0/10

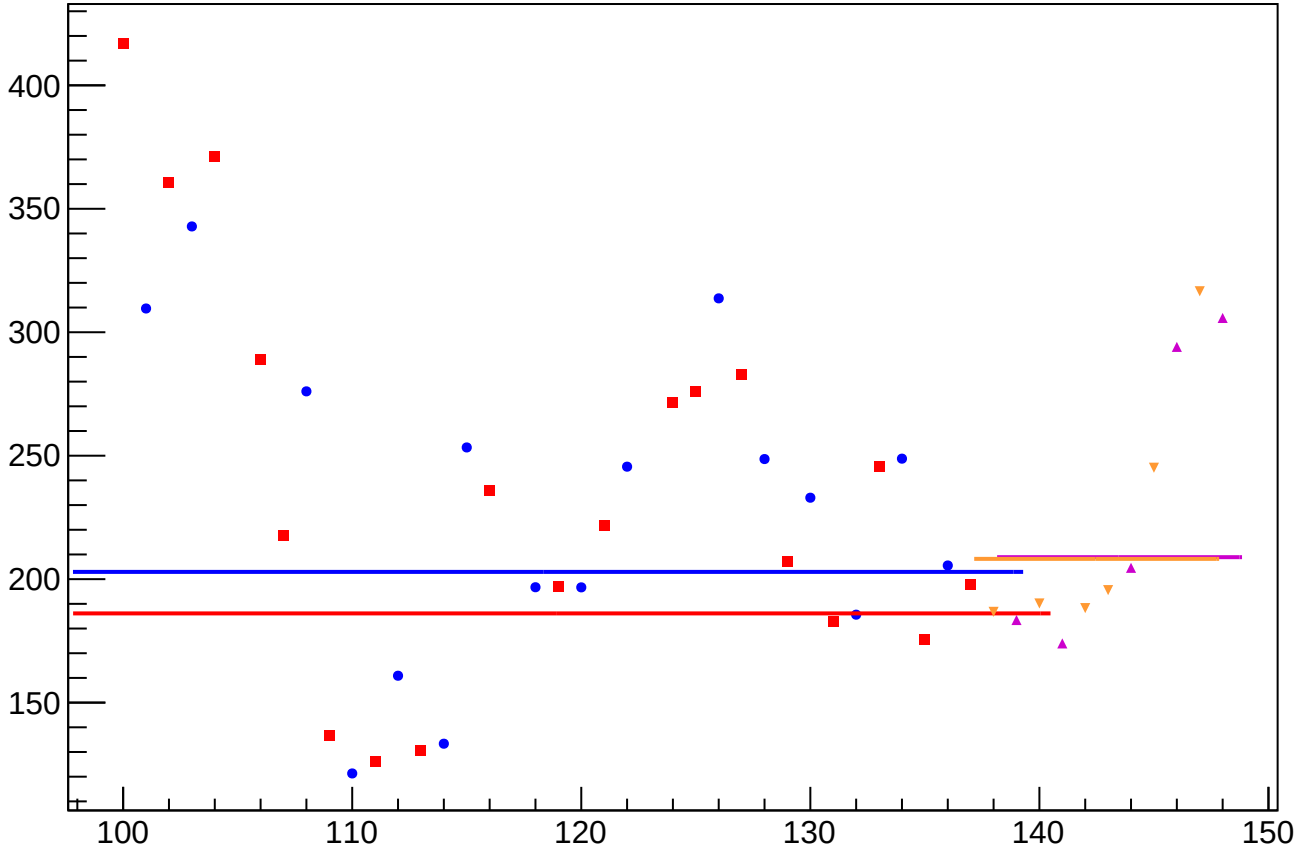
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -257.754+/-63.196 χ^2/NDF:442.8/20

Out: -113.950+/-59.183 χ^2/NDF:993.4/24

All: -181.142+/-43.198 χ^2/NDF: 1438.9/45

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 208.217+/-0.071 χ^2/NDF:277950.7/5

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 208.902+/-0.073 χ^2/NDF:416676.1/4

Left: 208.551+/-0.051 χ^2/NDF: 694671.8/10

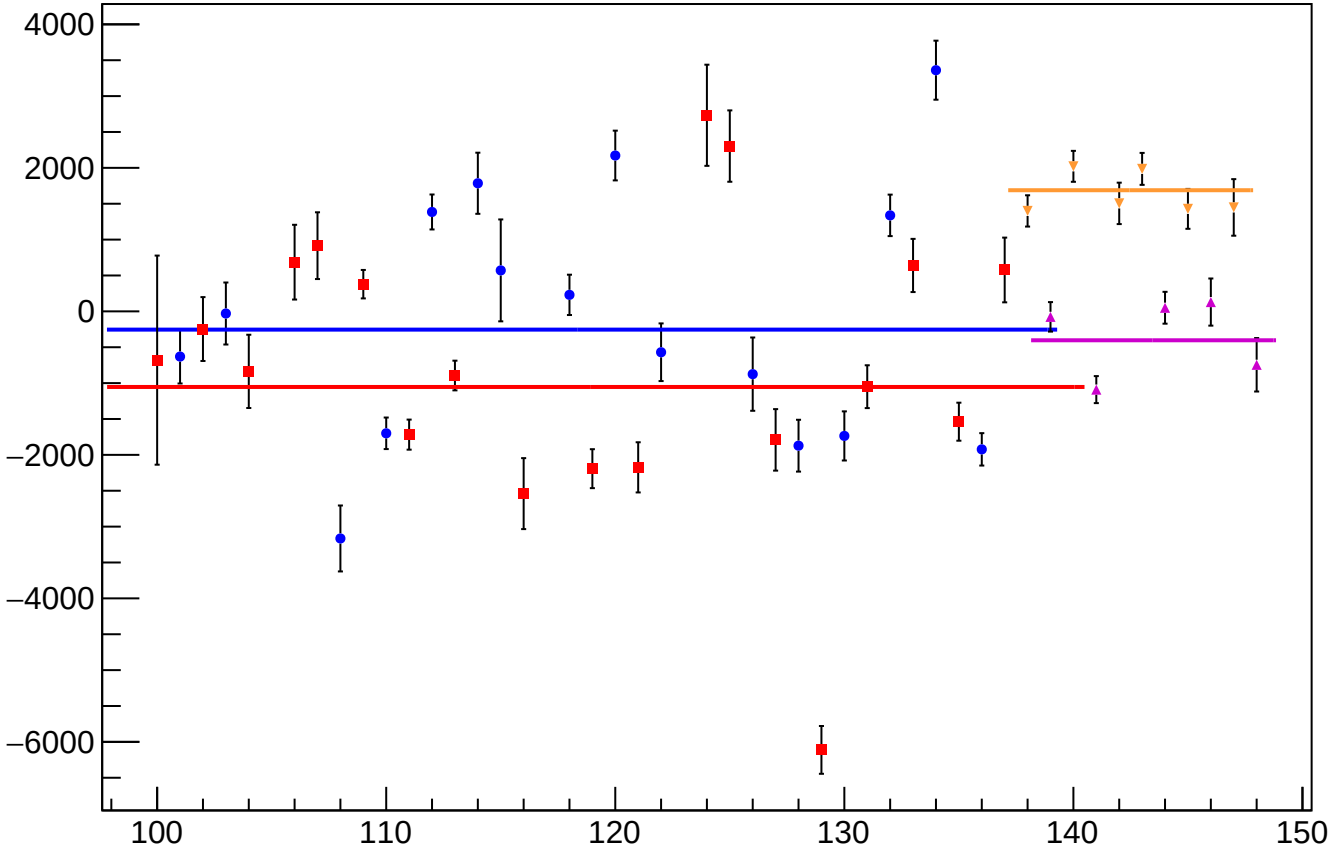
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 205.170+/-0.045 χ^2/NDF:1492700.3/20

Out: 193.723+/-0.042 χ^2/NDF:1822461.3/24

All: 199.071+/-0.031 χ^2/NDF: 3350120.0/45

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1688.181+/-103.093 χ^2/NDF:7.6/5

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -403.098+/-106.195 χ^2/NDF:23.5/4

Left: 673.536+/-73.970 χ^2/NDF: 230.7/10

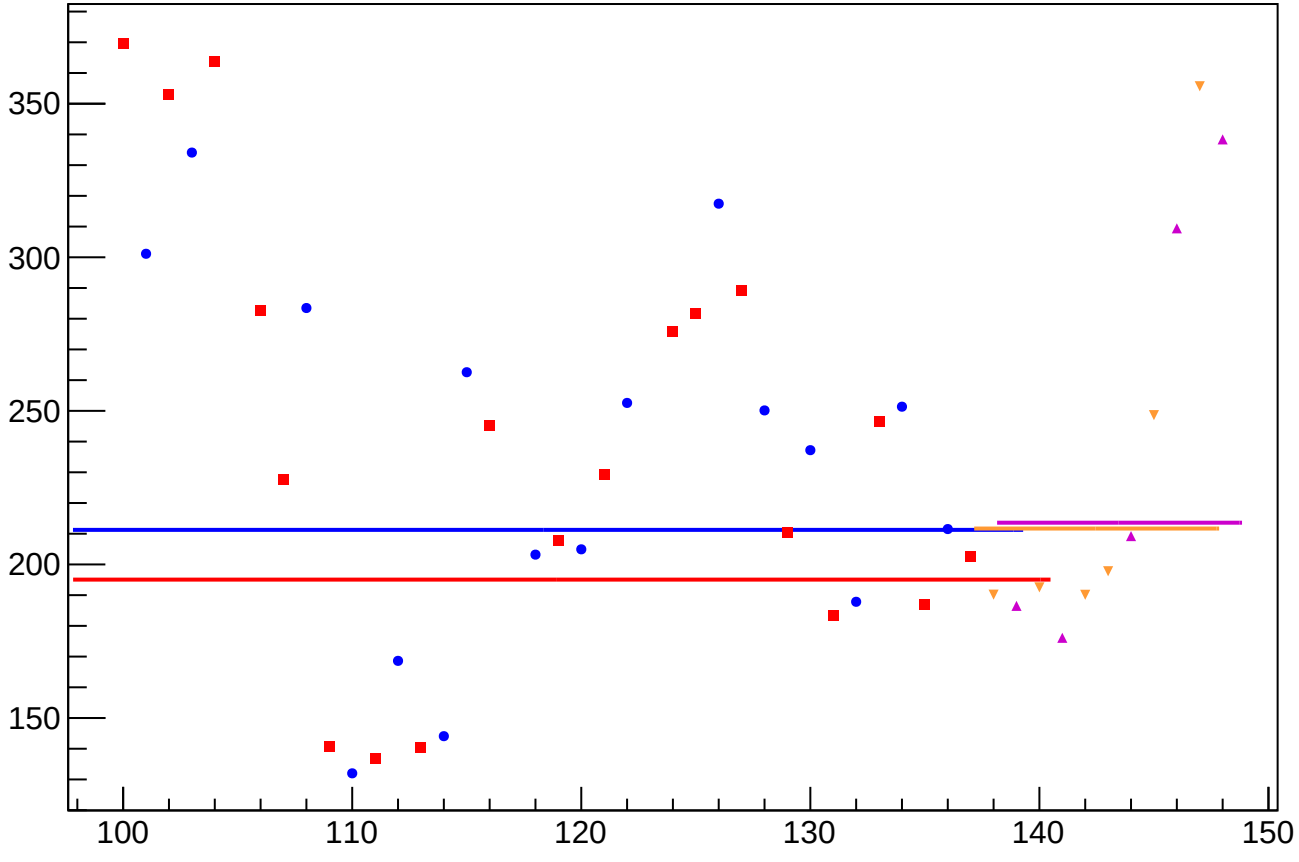
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -310.401+/-65.145 χ^2/NDF:434.0/20

Out: -88.791+/-61.158 χ^2/NDF:943.7/24

All: -192.607+/-44.588 χ^2/NDF: 1383.8/45

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 211.688+/-0.073 χ^2/NDF:356327.8/5

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 213.588+/-0.075 χ^2/NDF:509316.4/4

Left: 212.610+/-0.052 χ^2/NDF: 865974.0/10

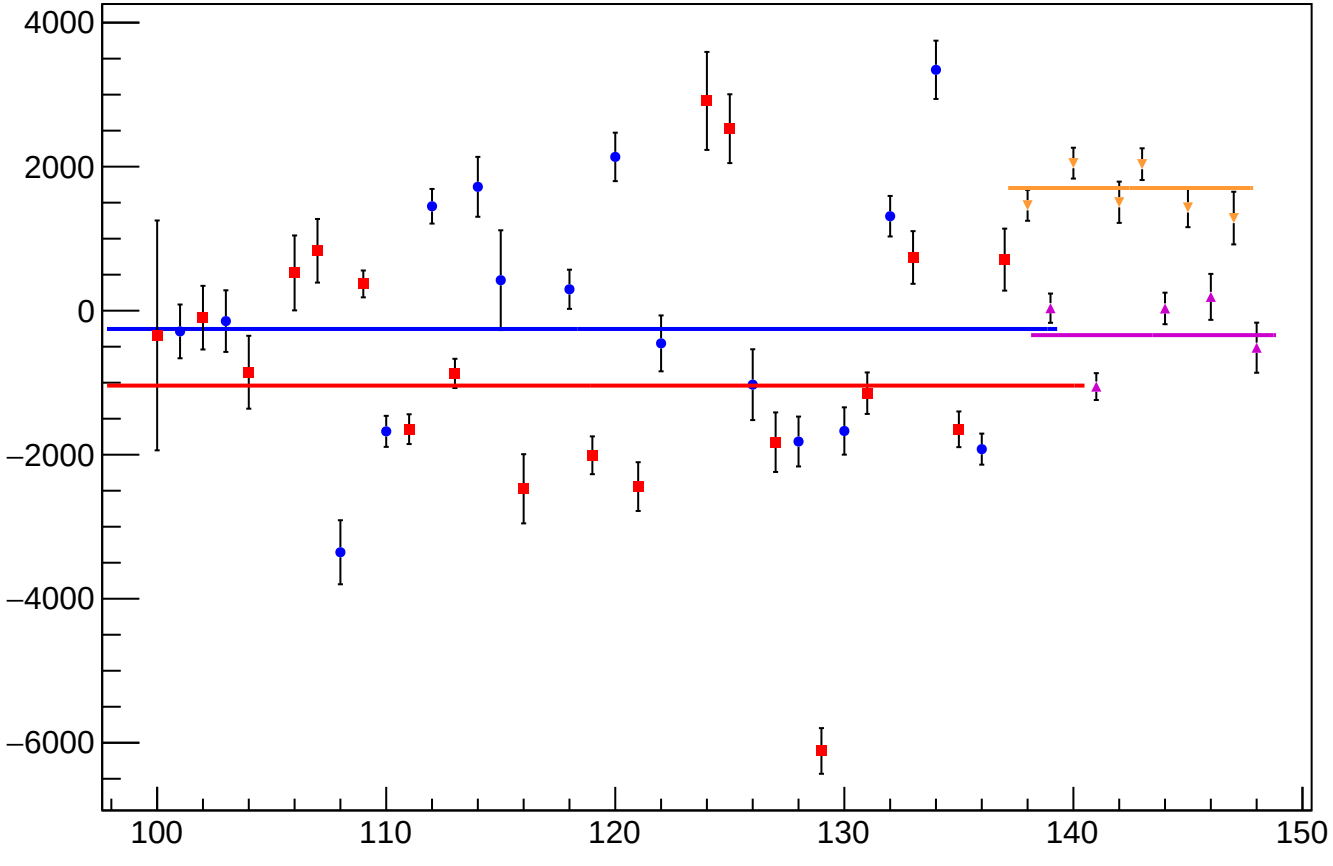
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 212.132+/-0.046 χ^2/NDF:1394283.0/20

Out: 200.912+/-0.043 χ^2/NDF:1674921.5/24

All: 206.168+/-0.032 χ^2/NDF: 3100737.8/45

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1703.389+/-101.508 χ^2/NDF:8.9/5

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -339.578+/-104.317 χ^2/NDF:24.0/4

Left: 709.774+/-72.750 χ^2/NDF: 229.8/10

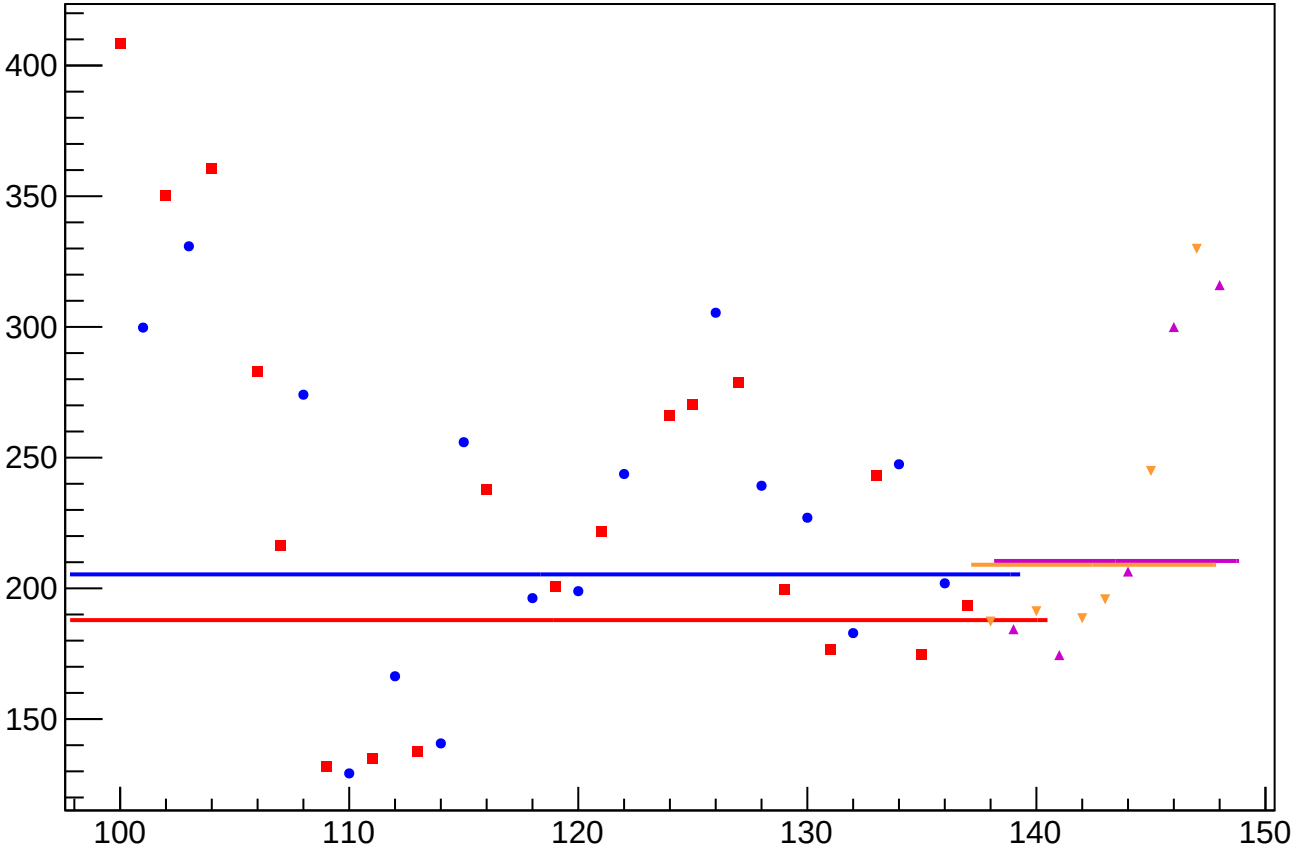
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -285.831+/-63.592 χ^2/NDF:456.5/20

Out: -98.941+/-59.460 χ^2/NDF:1022.2/24

All: -186.116+/-43.432 χ^2/NDF: 1483.2/45

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 209.032+/-0.072 χ^2/NDF:304552.6/5

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 210.477+/-0.074 χ^2/NDF:449536.3/4

Left: 209.735+/-0.051 χ^2/NDF: 754286.2/10

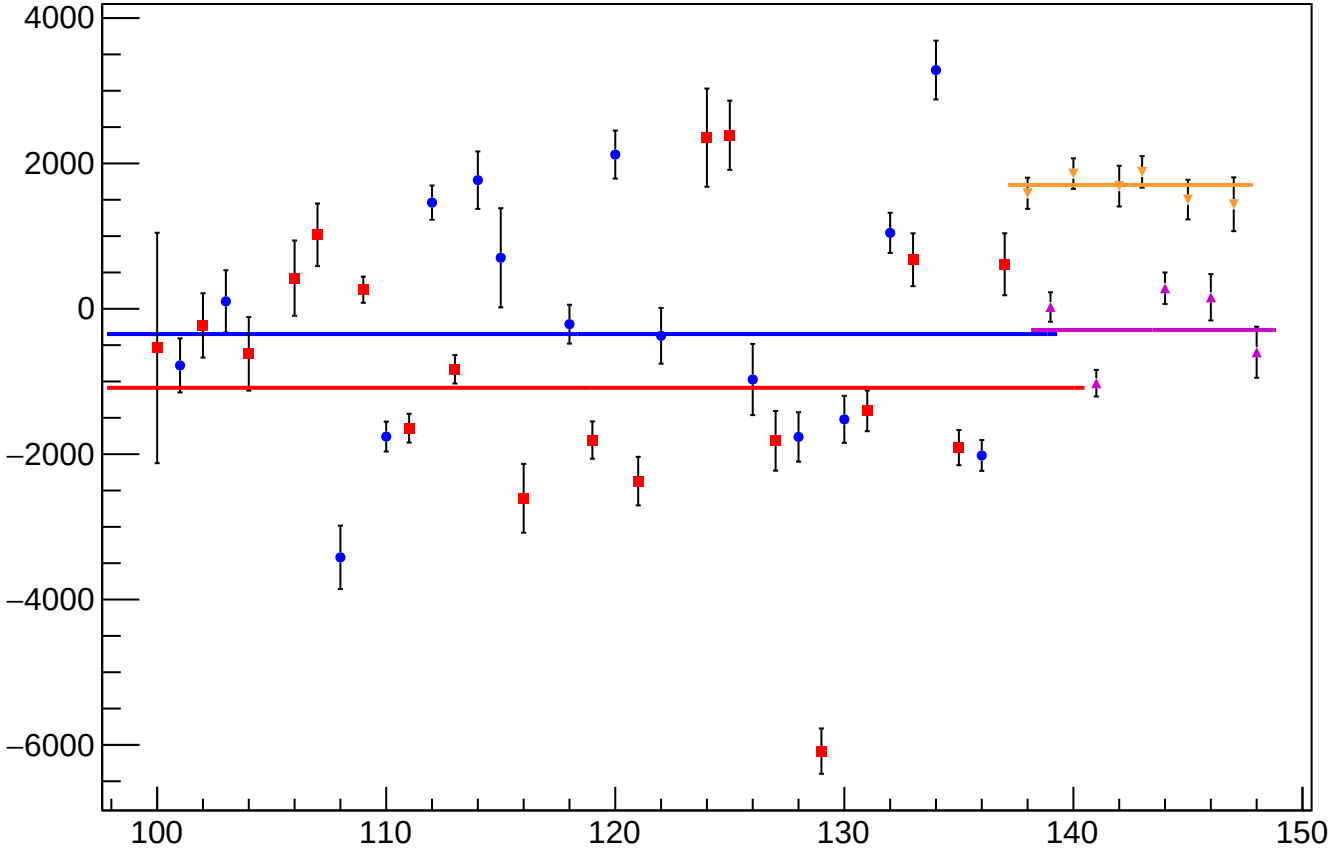
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 207.250+/-0.045 χ^2/NDF:1329981.5/20

Out: 195.117+/-0.042 χ^2/NDF:1698816.6/24

All: 200.776+/-0.031 χ^2/NDF: 3067644.7/45

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1703.963+/-100.409 χ^2/NDF:2.6/5

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -290.819+/-103.502 χ^2/NDF:28.2/4

Left: 736.825+/-72.069 χ^2/NDF: 222.1/10

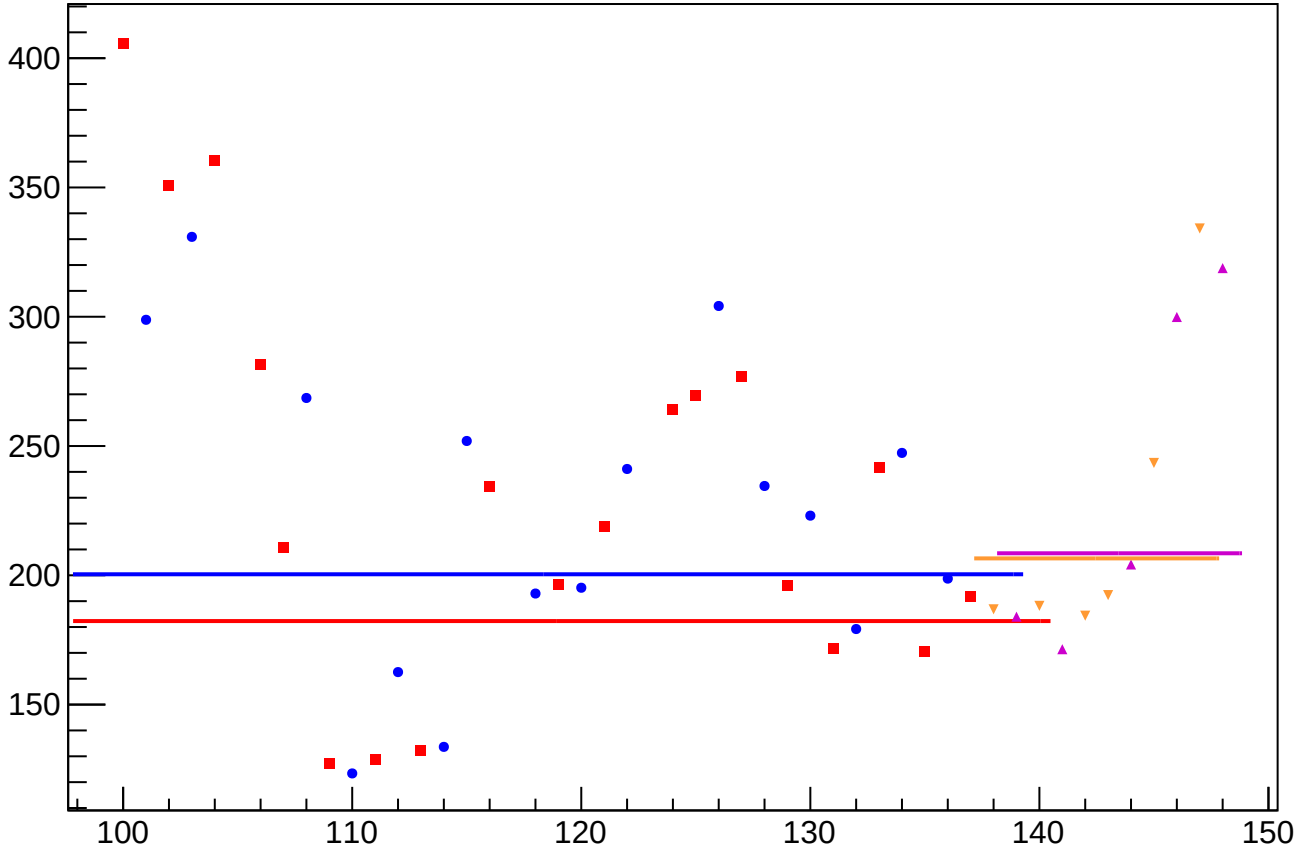
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -326.885+/-62.580 χ^2/NDF:474.2/20

Out: -147.035+/-58.263 χ^2/NDF:1042.1/24

All: -230.544+/-42.643 χ^2/NDF: 1520.7/45

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 206.541+/-0.071 χ^2/NDF:327545.3/5

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 208.519+/-0.073 χ^2/NDF:473655.0/4

Left: 207.500+/-0.051 χ^2/NDF: 801576.8/10

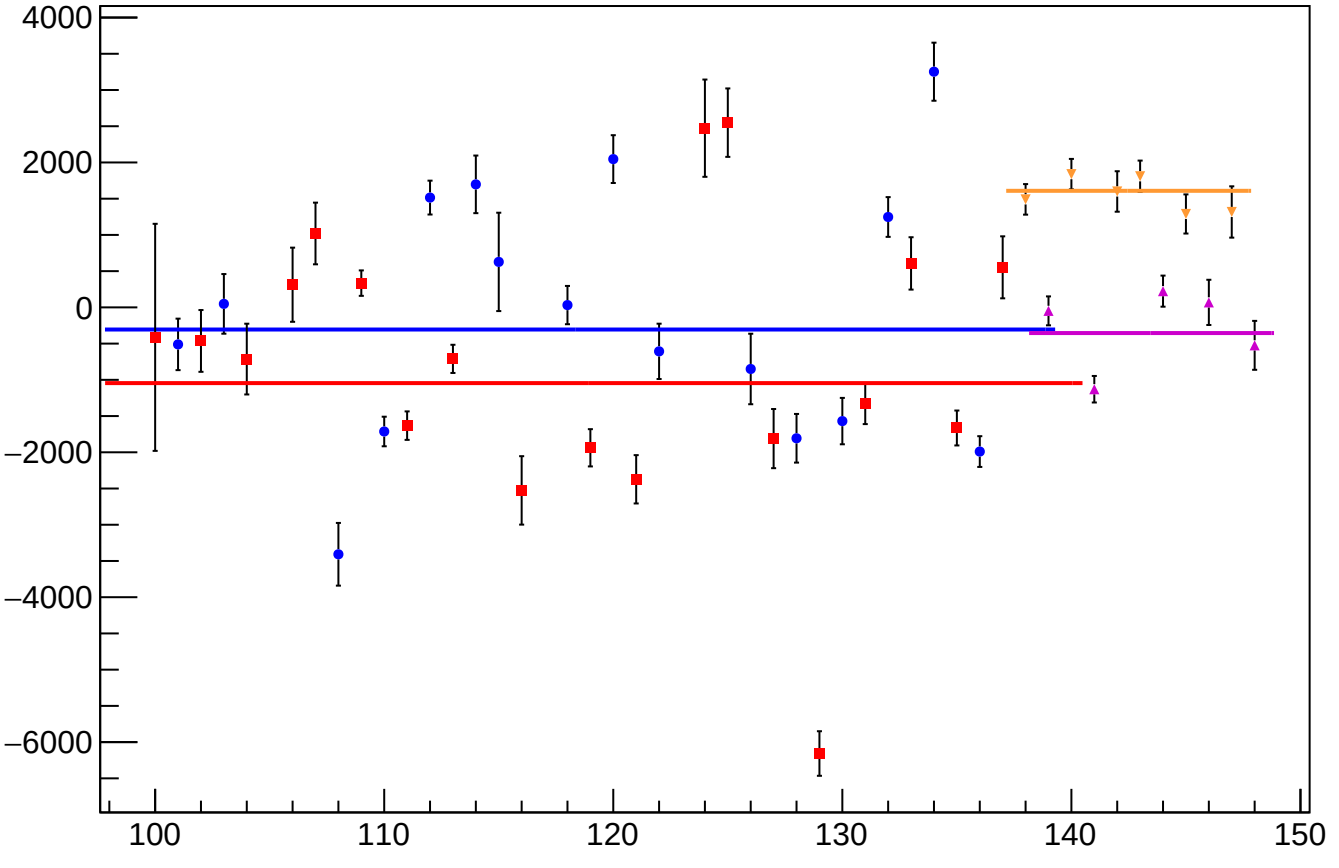
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 203.367+/-0.044 χ^2/NDF:1440466.5/20

Out: 190.463+/-0.041 χ^2/NDF:1852050.7/24

All: 196.455+/-0.030 χ^2/NDF: 3338072.6/45

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1608.610+/-99.542 χ^2/NDF:4.4/5

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -354.434+/-102.218 χ^2/NDF:29.6/4

Left: 653.119+/-71.314 χ^2/NDF: 223.4/10

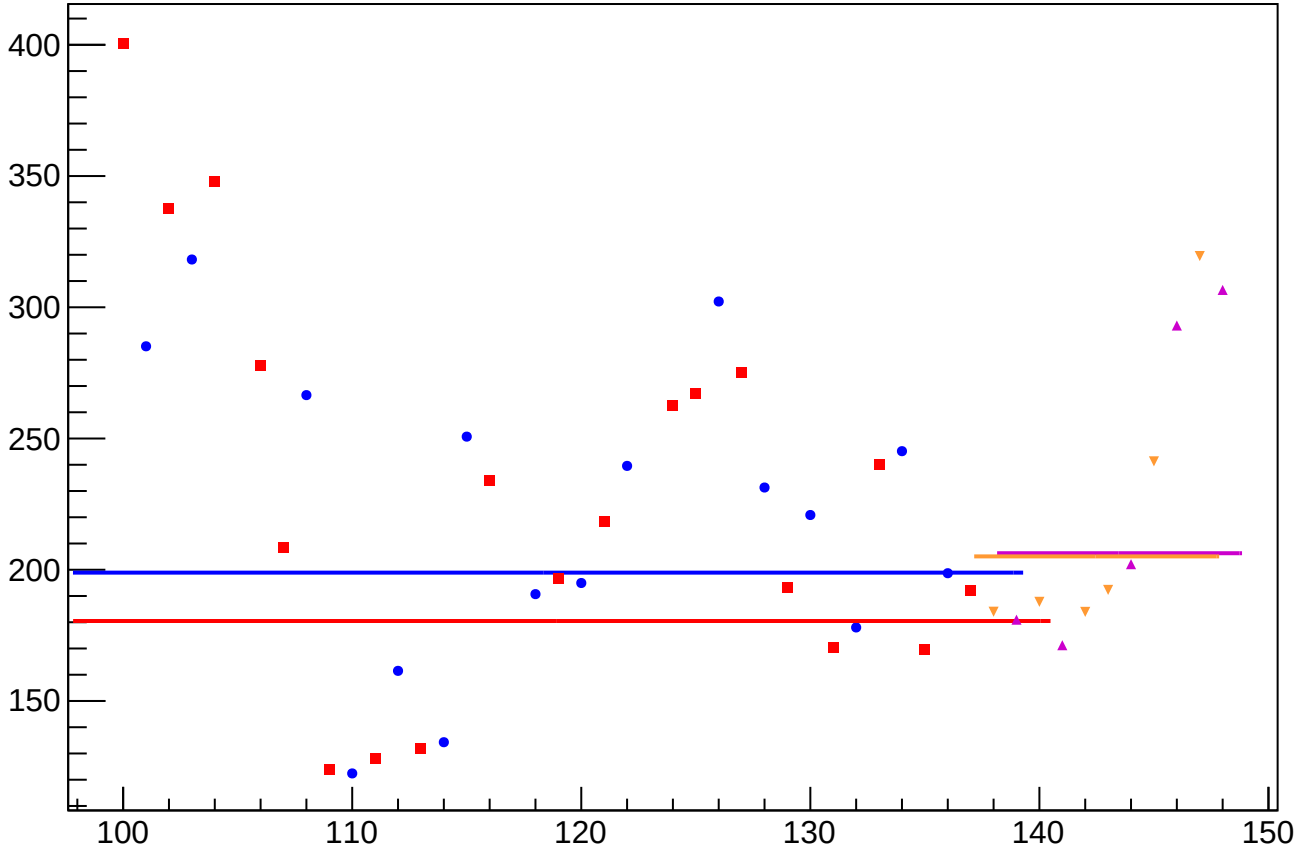
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -323.563+/-61.942 χ^2/NDF:481.6/20

Out: -153.247+/-57.708 χ^2/NDF:1028.5/24

All: -232.385+/-42.223 χ^2/NDF: 1514.1/45

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 205.086+/-0.070 χ^2/NDF:296691.5/5

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 206.296+/-0.072 χ^2/NDF:437452.5/4

Left: 205.675+/-0.050 χ^2/NDF: 734287.6/10

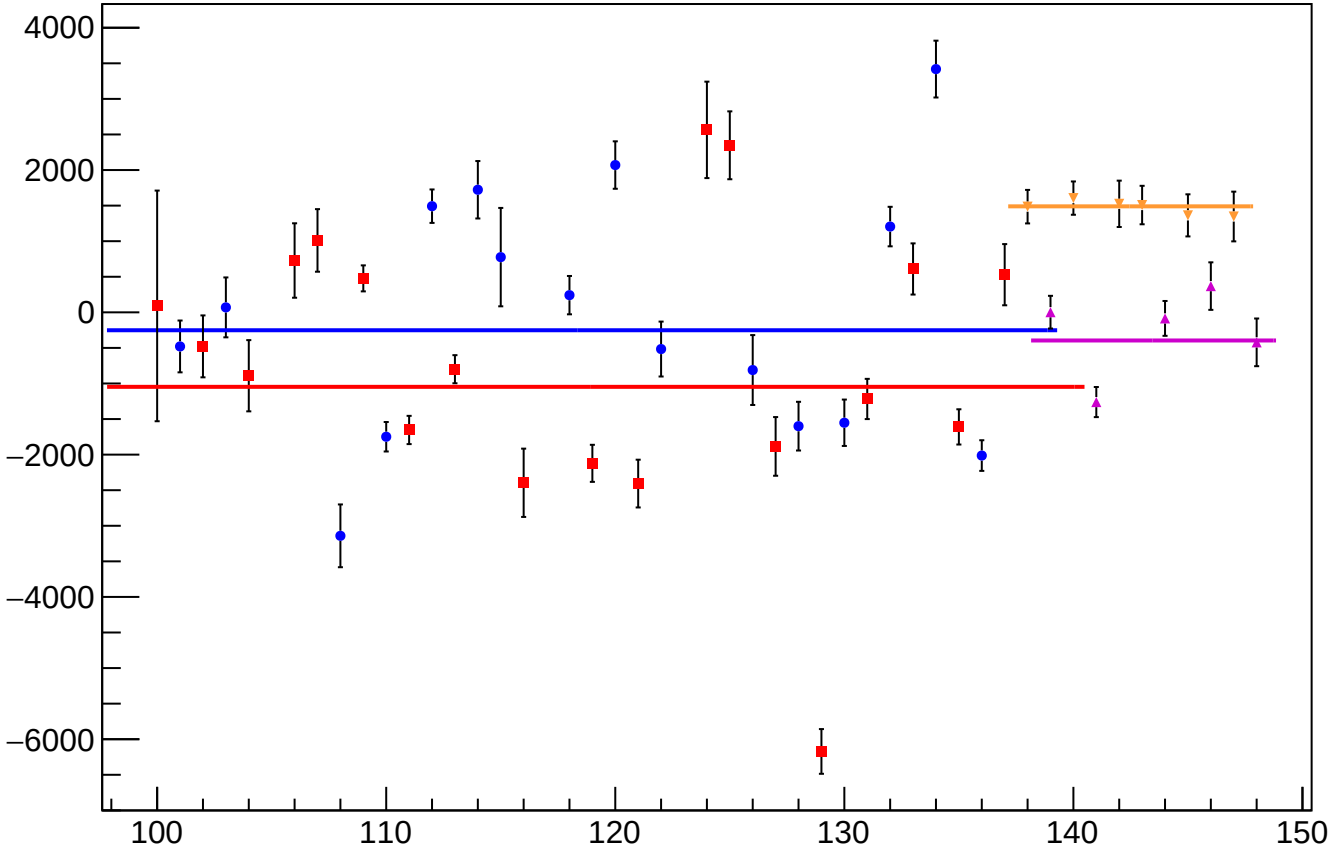
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 201.617+/-0.044 χ^2/NDF:1356837.7/20

Out: 188.745+/-0.041 χ^2/NDF:1812313.2/24

All: 194.726+/-0.030 χ^2/NDF: 3215389.8/45

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1489.719+/-112.505 χ^2/NDF:0.6/5

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -395.585+/-114.859 χ^2/NDF:26.6/4

Left: 566.586+/-80.372 χ^2/NDF: 164.7/10

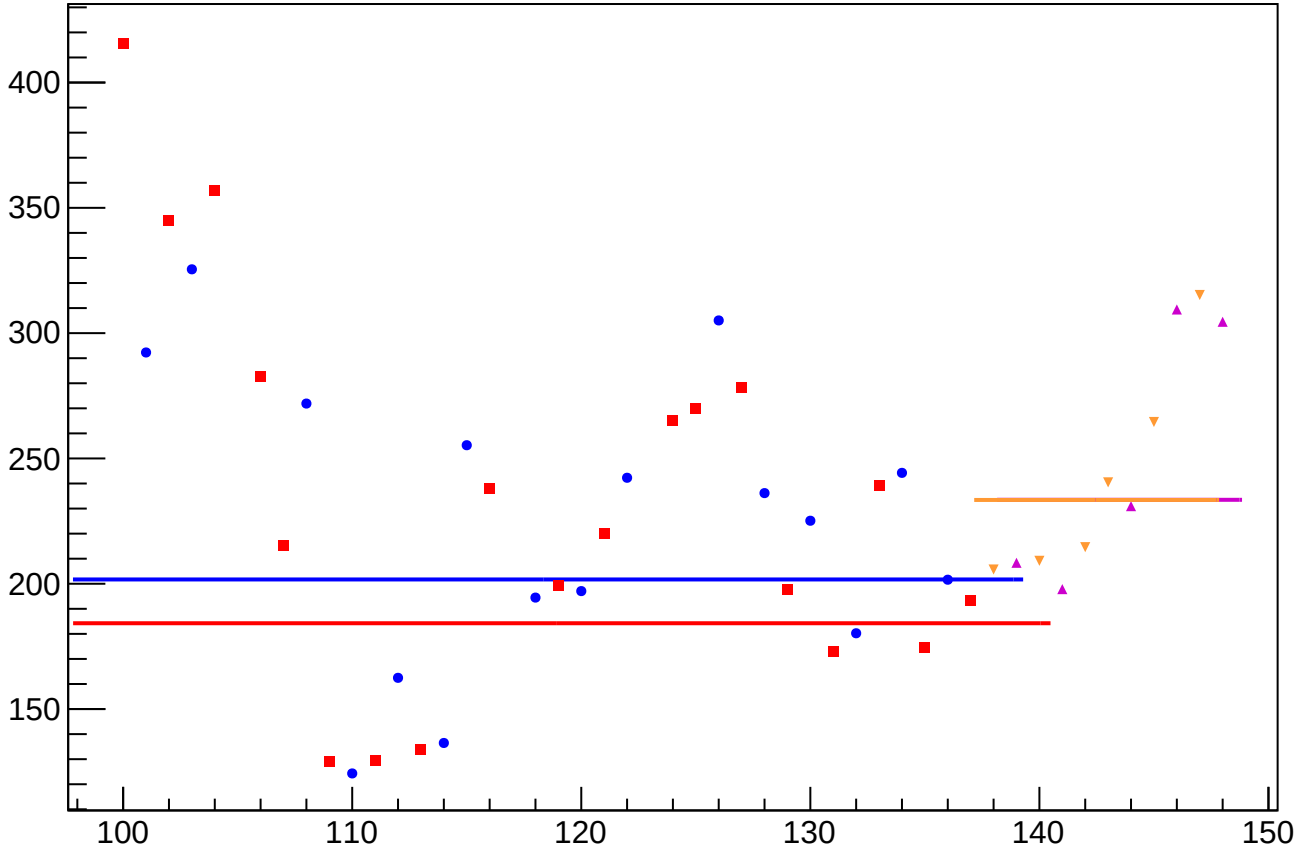
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -297.952+/-65.076 χ^2/NDF:468.9/20

Out: -307.260+/-60.758 χ^2/NDF:907.5/24

All: -302.925+/-44.410 χ^2/NDF: 1376.4/45

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 233.439+/-0.080 χ^2/NDF:189047.5/5

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 233.498+/-0.081 χ^2/NDF:274092.4/4

Left: 233.468+/-0.057 χ^2/NDF: 463140.2/10

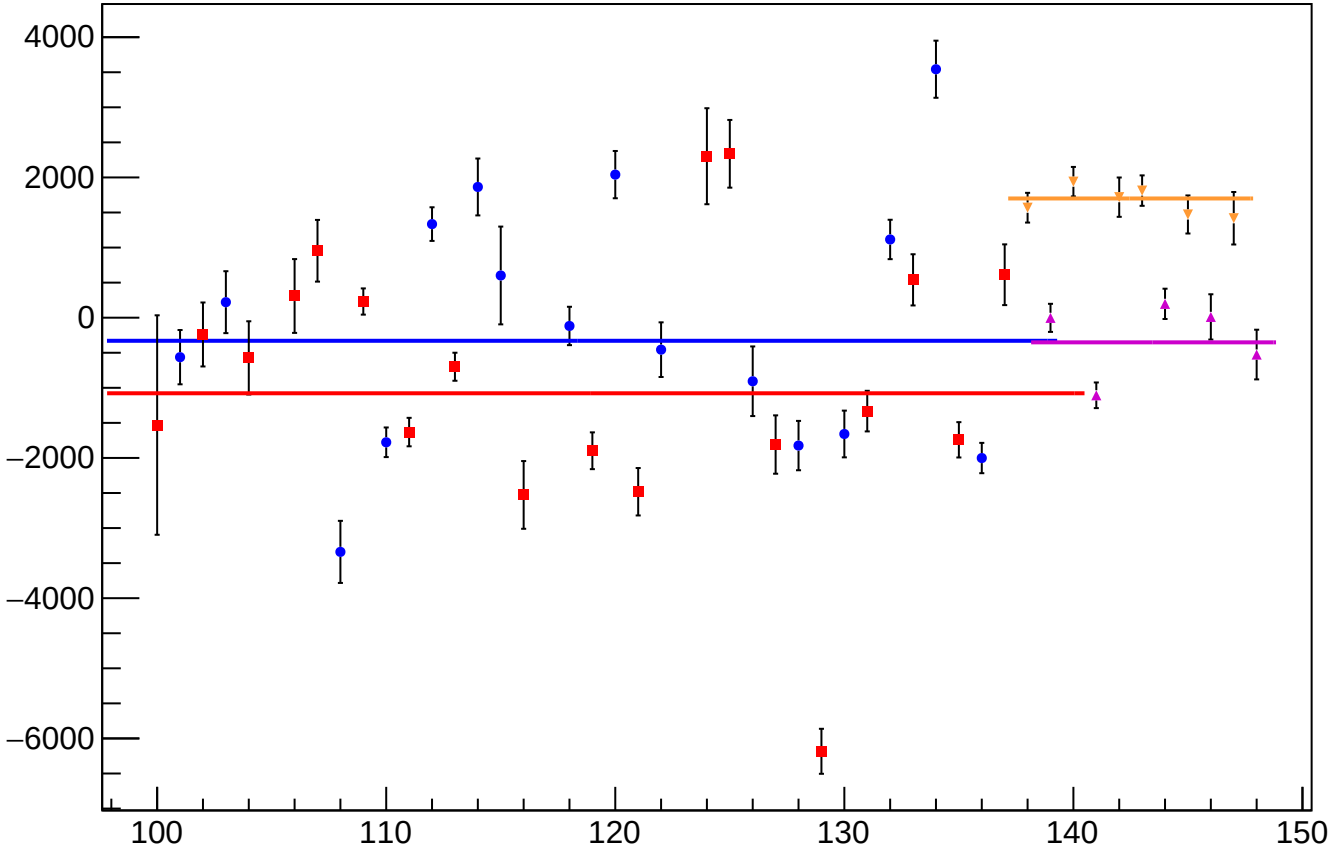
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 211.916+/-0.046 χ^2/NDF:1302293.6/20

Out: 198.592+/-0.043 χ^2/NDF:1863696.6/24

All: 204.797+/-0.031 χ^2/NDF: 3210789.6/45

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1700.032+/-100.230 χ^2/NDF:3.2/5

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -351.683+/-103.224 χ^2/NDF:28.1/4

Left: 704.356+/-71.908 χ^2/NDF: 234.6/10

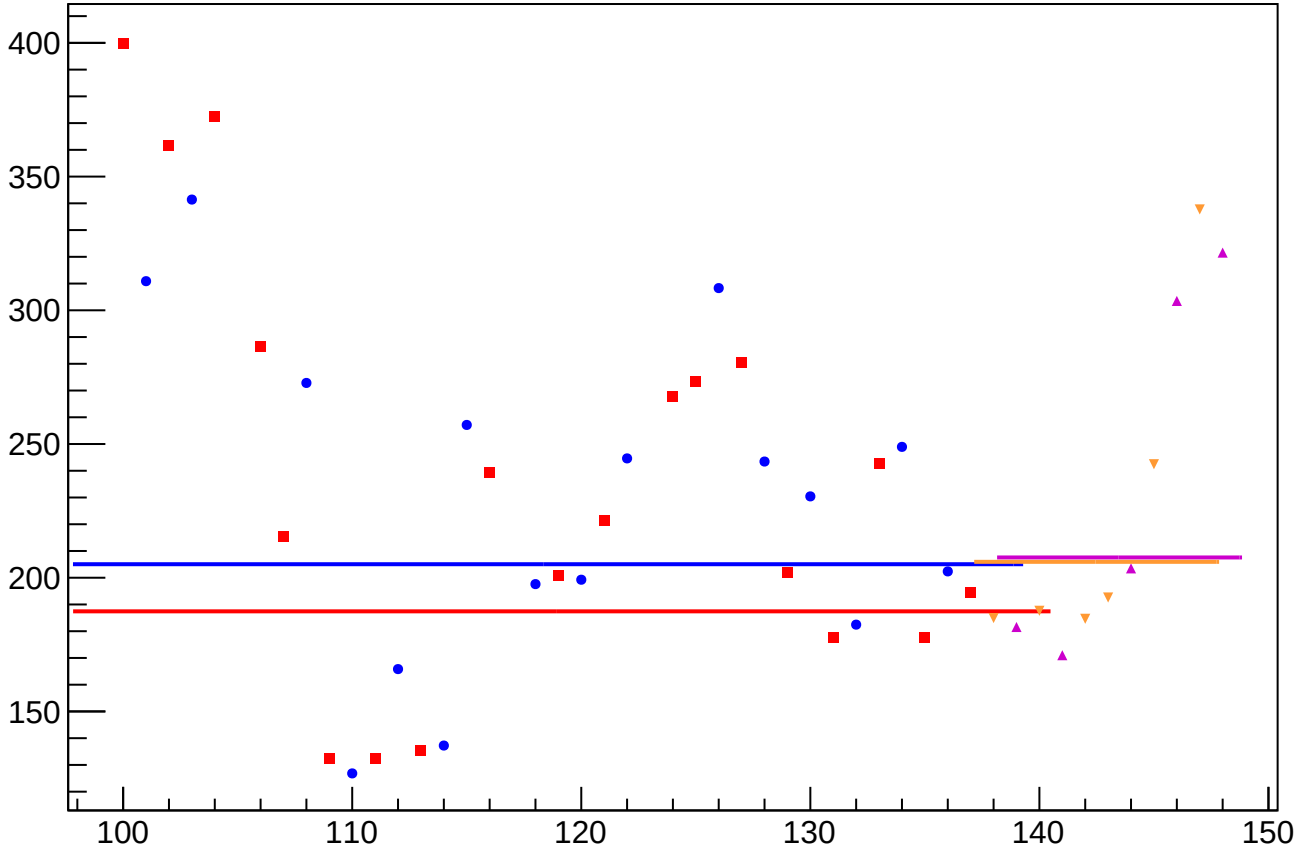
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -337.795+/-63.414 χ^2/NDF:464.5/20

Out: -108.090+/-59.221 χ^2/NDF:1005.2/24

All: -215.099+/-43.282 χ^2/NDF: 1476.7/45

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 205.945+/-0.071 χ^2/NDF:337986.4/5

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 207.575+/-0.073 χ^2/NDF:497968.2/4

Left: 206.736+/-0.051 χ^2/NDF: 836211.2/10

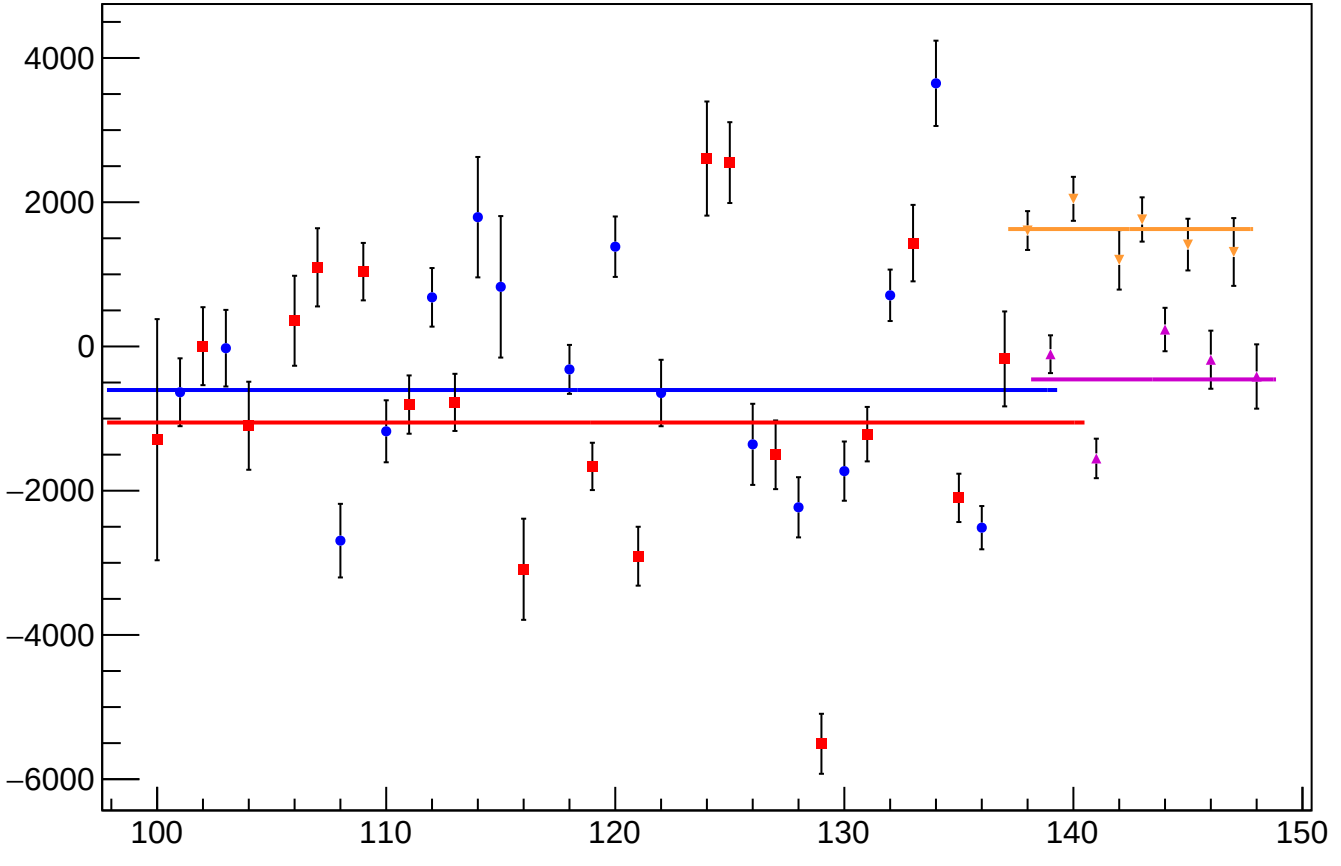
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 206.005+/-0.045 χ^2/NDF:1461763.9/20

Out: 193.895+/-0.042 χ^2/NDF:1793205.8/24

All: 199.536+/-0.031 χ^2/NDF: 3293931.0/45

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1628.053+/-136.912 χ^2/NDF:4.0/5

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -456.779+/-141.269 χ^2/NDF:23.5/4

Left: 618.280+/-98.316 χ^2/NDF: 139.8/10

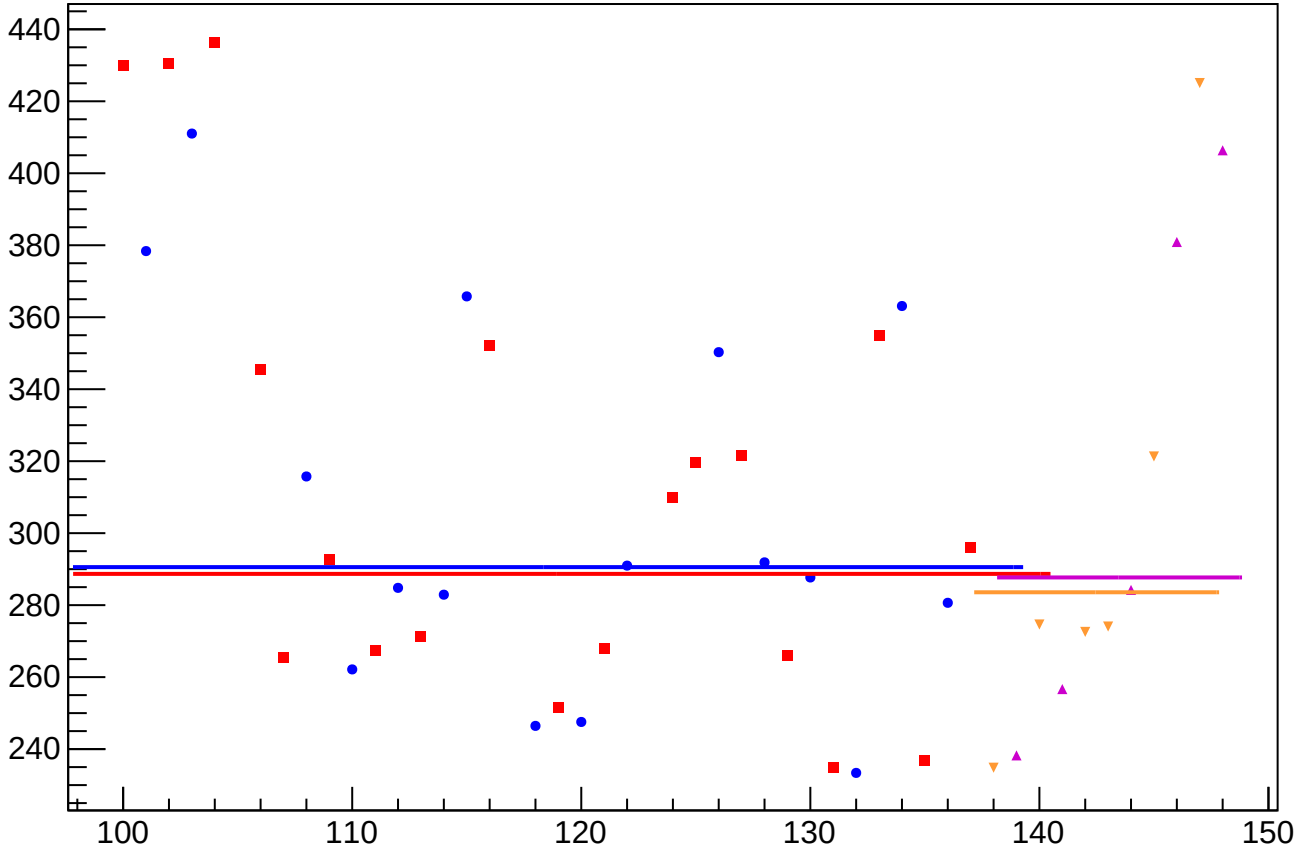
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -547.906+/-87.131 χ^2/NDF:217.7/20

Out: -22.492+/-84.922 χ^2/NDF:537.9/24

All: -278.453+/-60.815 χ^2/NDF: 774.2/45

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 283.575+/-0.097 χ^2/NDF:274109.9/5

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 287.695+/-0.100 χ^2/NDF:345840.7/4

Left: 285.570+/-0.070 χ^2/NDF: 620827.6/10

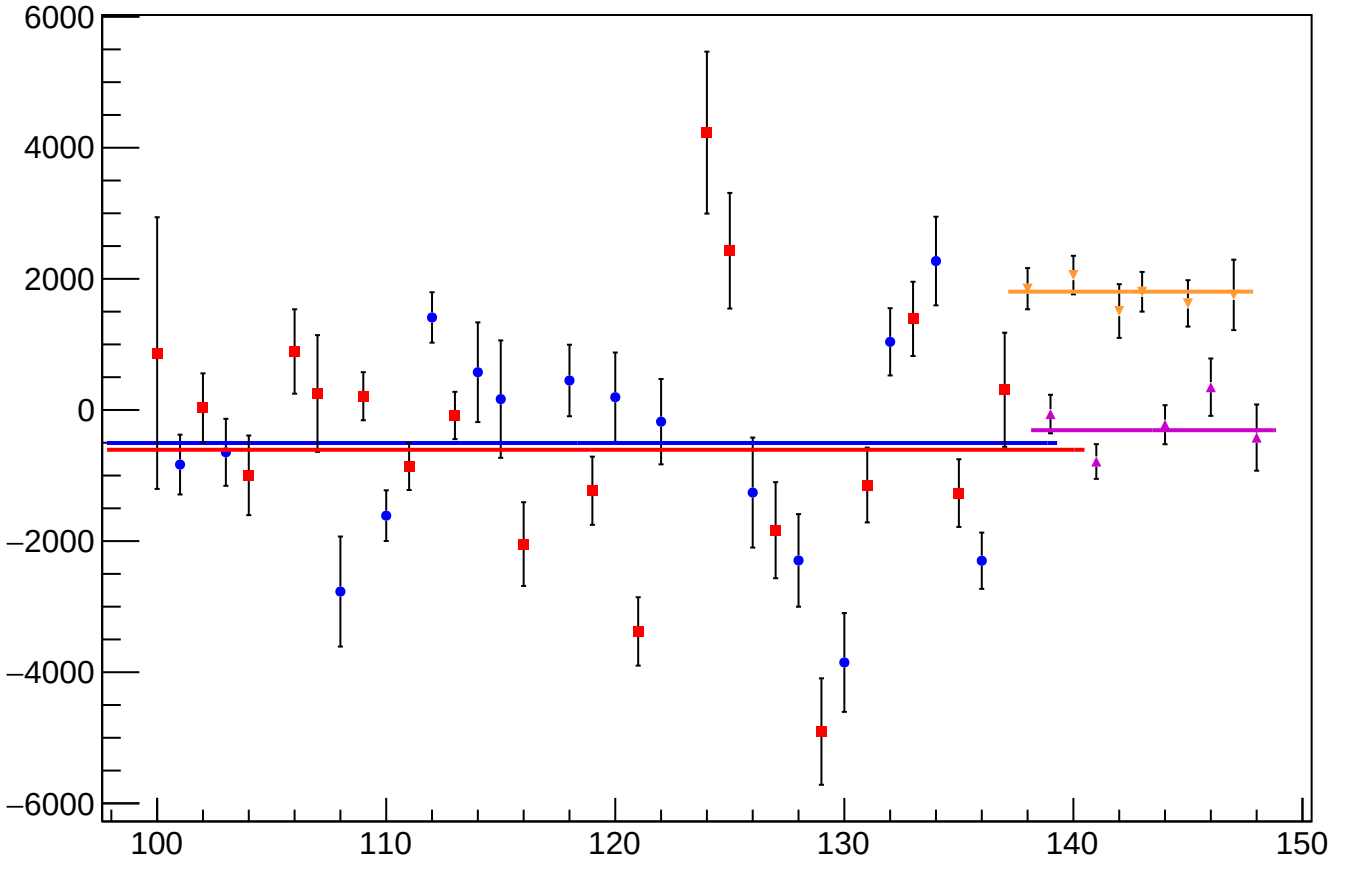
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 289.474+/-0.062 χ^2/NDF:706159.9/20

Out: 286.720+/-0.060 χ^2/NDF:764919.3/24

All: 288.061+/-0.043 χ^2/NDF: 1472103.9/45

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1804.715+/-141.404 χ^2/NDF:1.5/5

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -308.642+/-147.057 χ^2/NDF:6.3/4

Left: 789.439+/-101.928 χ^2/NDF: 115.2/10

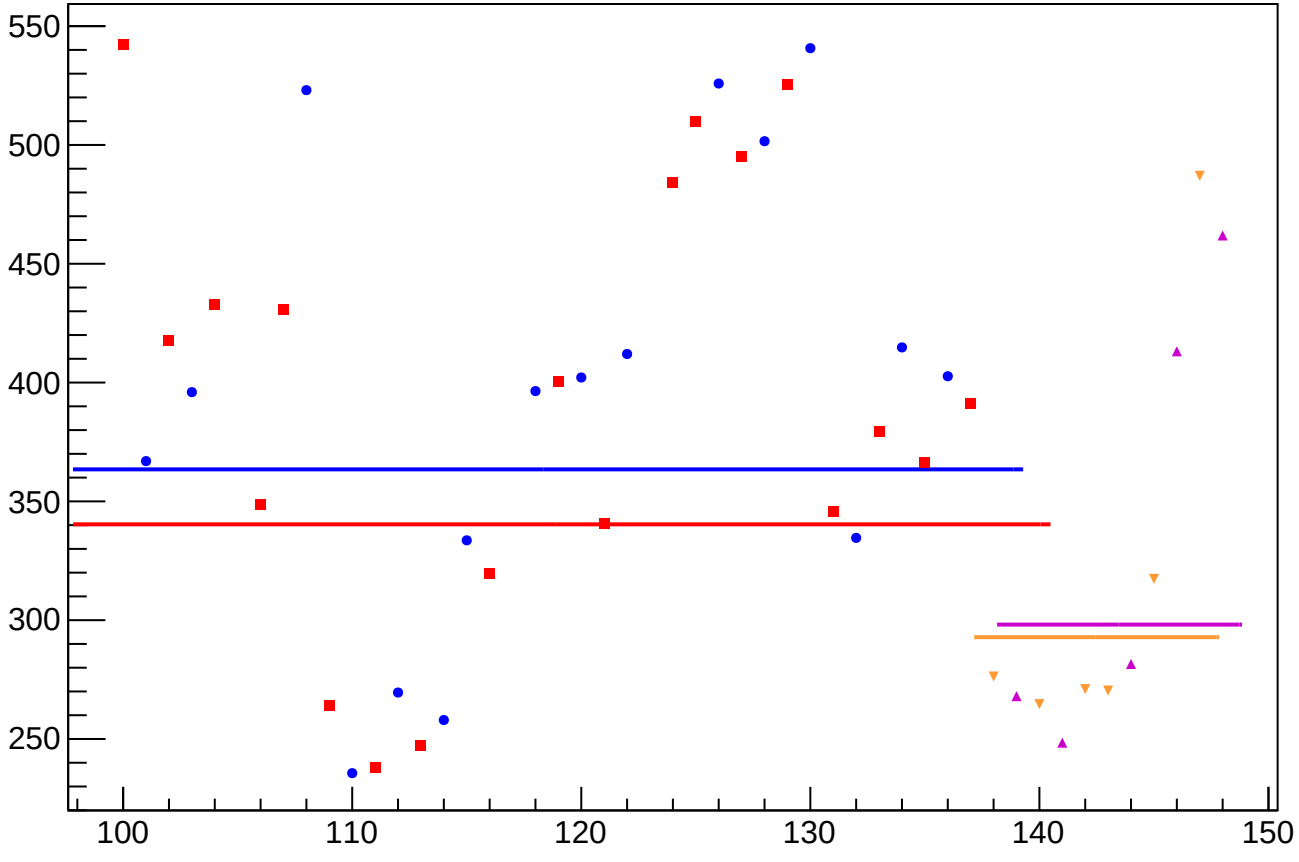
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -410.910+/-101.420 χ^2/NDF:125.5/20

Out: 494.158+/-95.545 χ^2/NDF:284.8/24

All: 68.594+/-69.545 χ^2/NDF: 452.4/45

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 292.842+/-0.100 χ^2/NDF:311596.2/5

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 298.141+/-0.104 χ^2/NDF:446059.8/4

Left: 295.387+/-0.072 χ^2/NDF: 759005.2/10

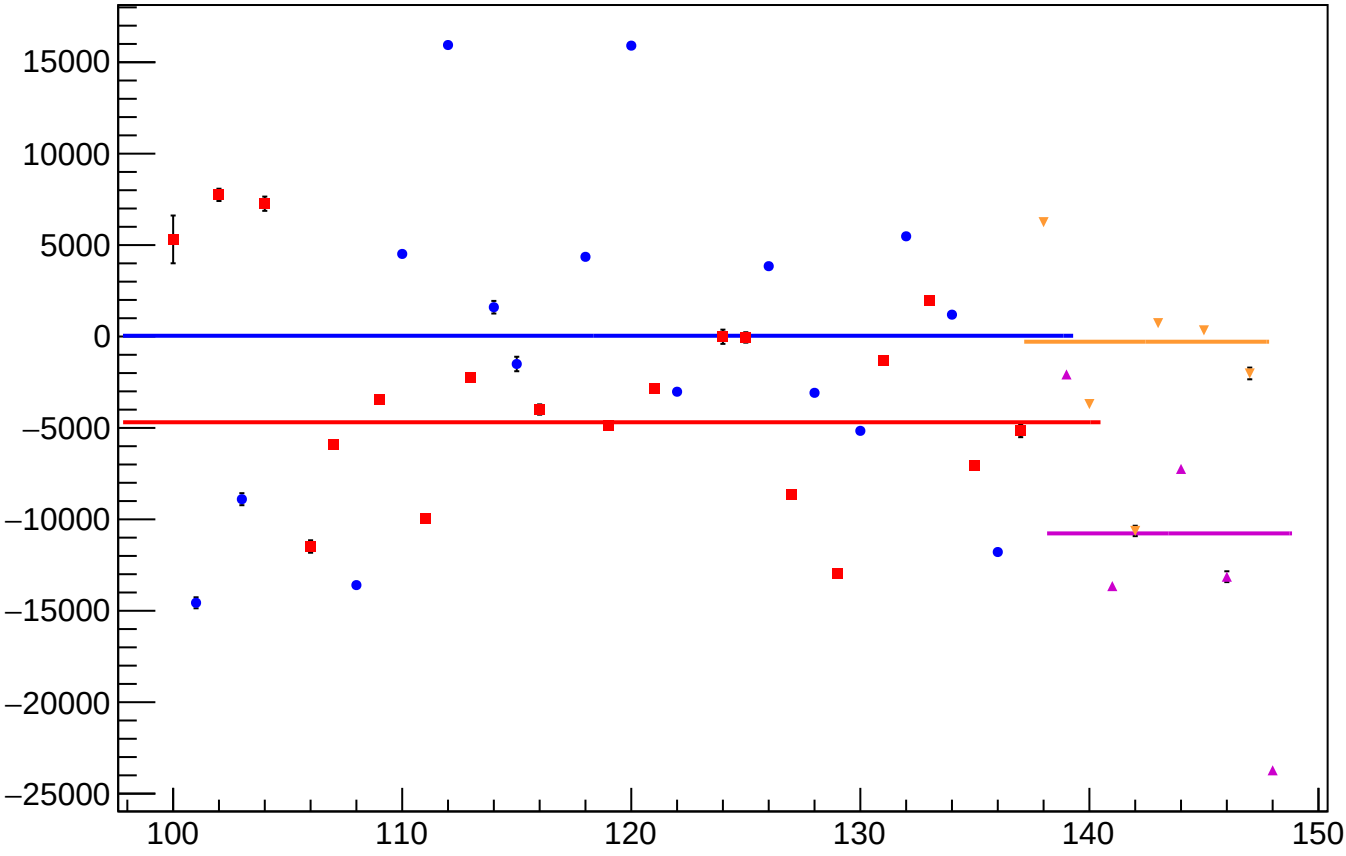
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 332.398+/-0.072 χ^2/NDF:1433929.8/20

Out: 318.650+/-0.068 χ^2/NDF:1290421.3/24

All: 325.114+/-0.049 χ^2/NDF: 2743820.3/45

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -284.663+/-97.341 χ^2/NDF:2859.9/5

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -10768.103+/-98.547 χ^2/NDF:5431.9/4

Left: -5461.884+/-69.253 χ^2/NDF: 14019.8/10

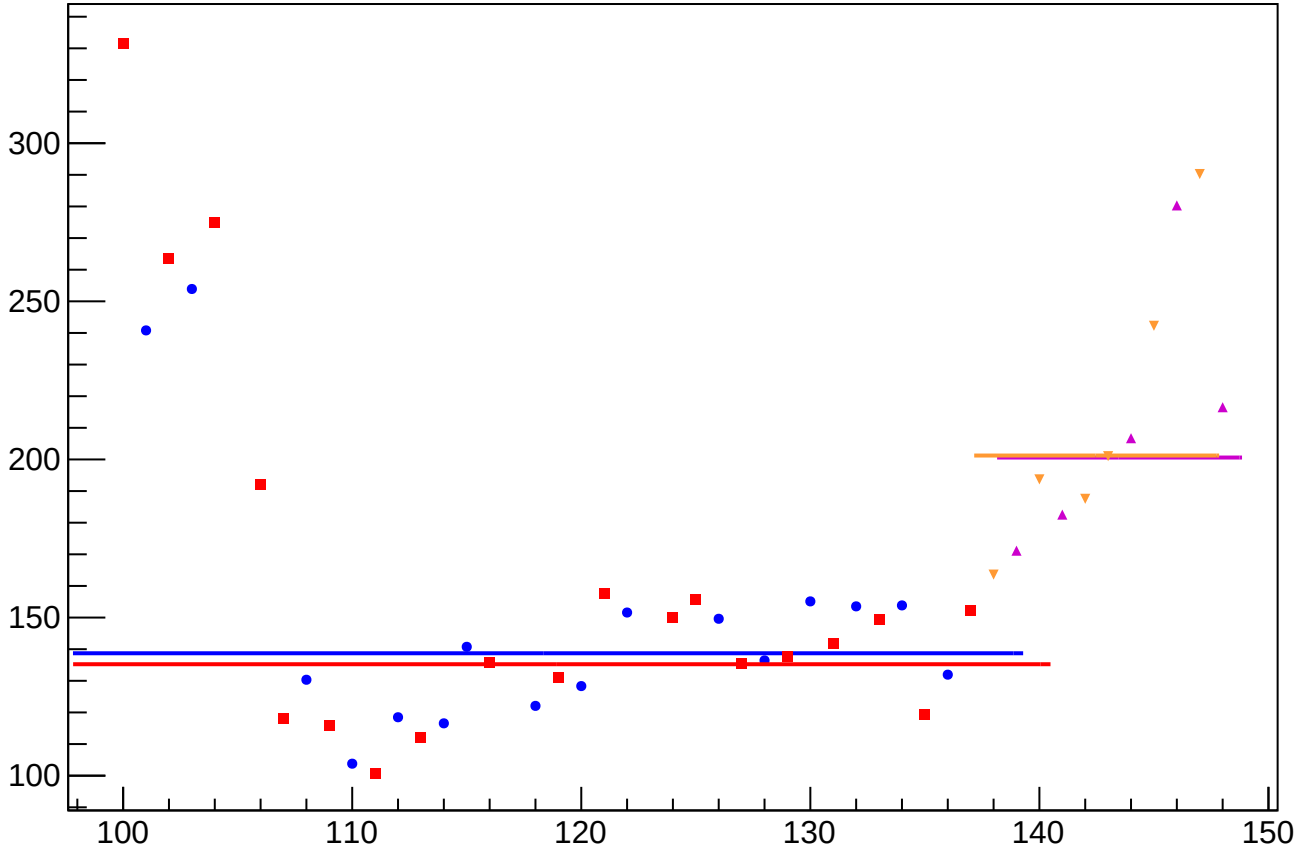
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -2469.290+/-47.490 χ^2/NDF:45454.9/20

Out: -3708.942+/-45.931 χ^2/NDF:12247.5/24

All: -3109.799+/-33.016 χ^2/NDF: 58054.4/45

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 201.238+/-0.069 χ^2/NDF:288851.0/5

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 200.604+/-0.070 χ^2/NDF:220414.0/4

Left: 200.925+/-0.049 χ^2/NDF: 509306.9/10

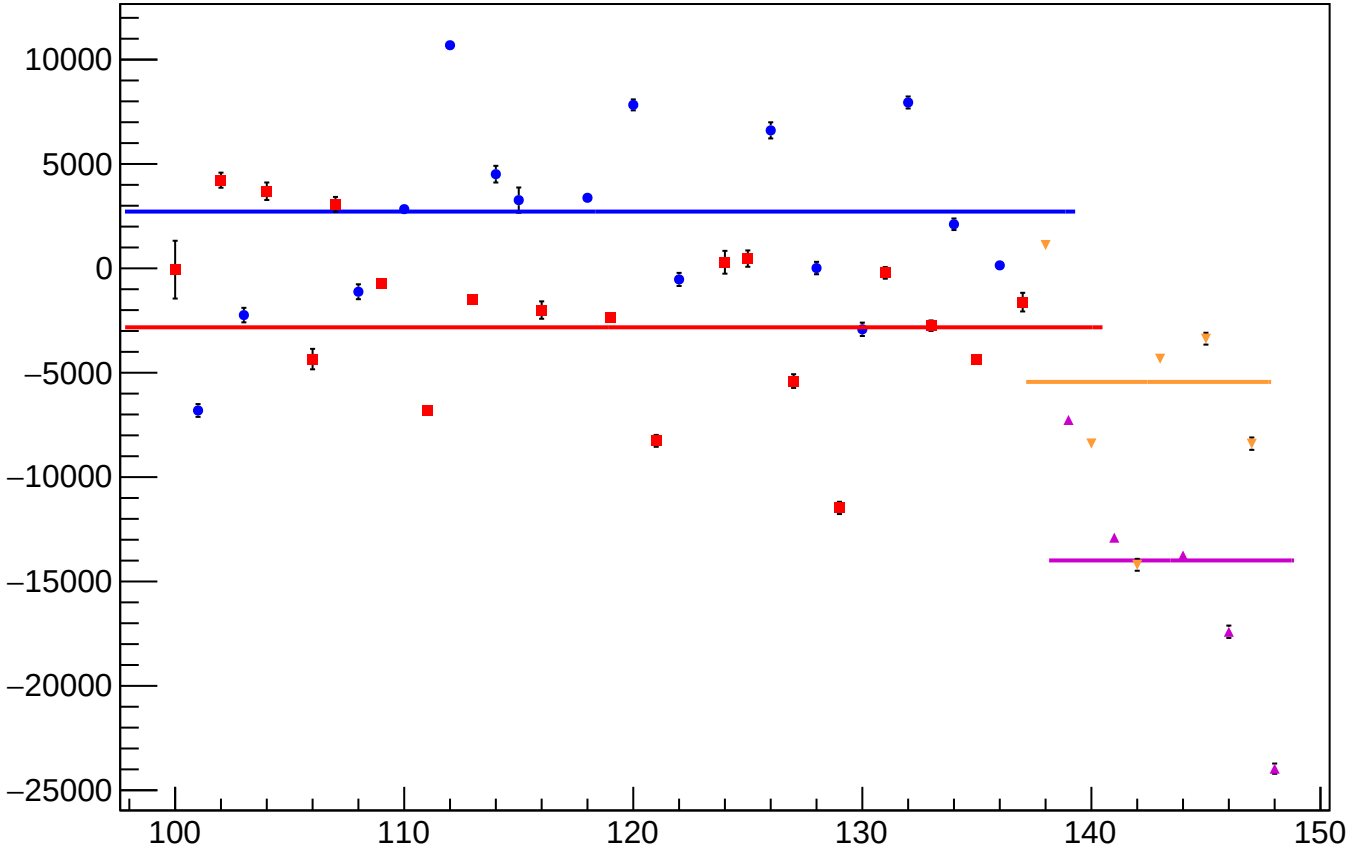
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 153.085+/-0.034 χ^2/NDF:1483892.7/20

Out: 149.938+/-0.032 χ^2/NDF:1893454.8/24

All: 151.459+/-0.023 χ^2/NDF: 3381885.5/45

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5439.501+/-99.958 χ^2/NDF:2318.1/5

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -13991.705+/-99.732 χ^2/NDF:2957.4/4

Left: -9725.254+/-70.601 χ^2/NDF: 8943.8/10

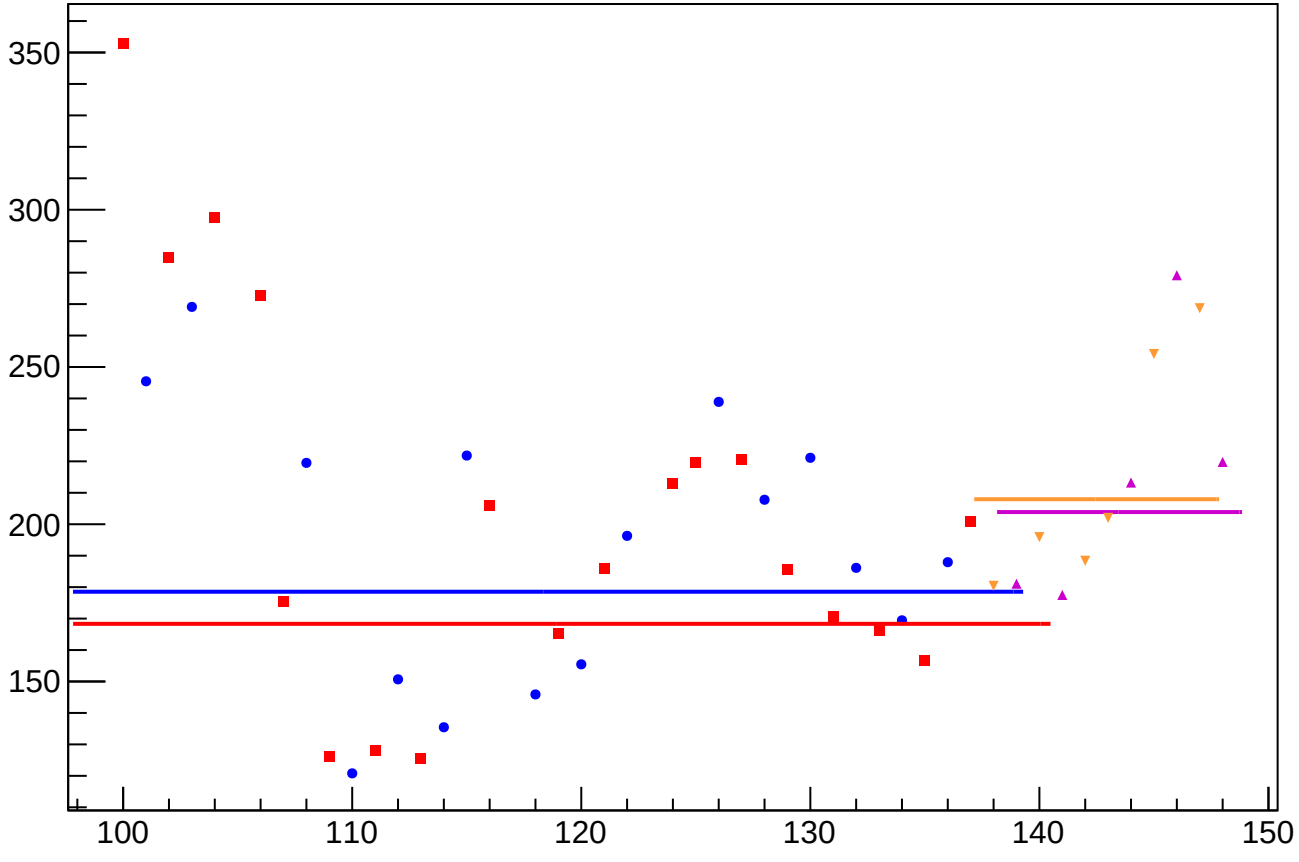
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -2716.016+/-56.880 χ^2/NDF:26031.4/20

Out: -3598.553+/-54.404 χ^2/NDF:5862.8/24

All: -3176.918+/-39.316 χ^2/NDF: 32020.0/45

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 207.953+/-0.071 χ^2/NDF:189146.2/5

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 203.873+/-0.071 χ^2/NDF:205781.5/4

Left: 205.909+/-0.050 χ^2/NDF: 396597.6/10

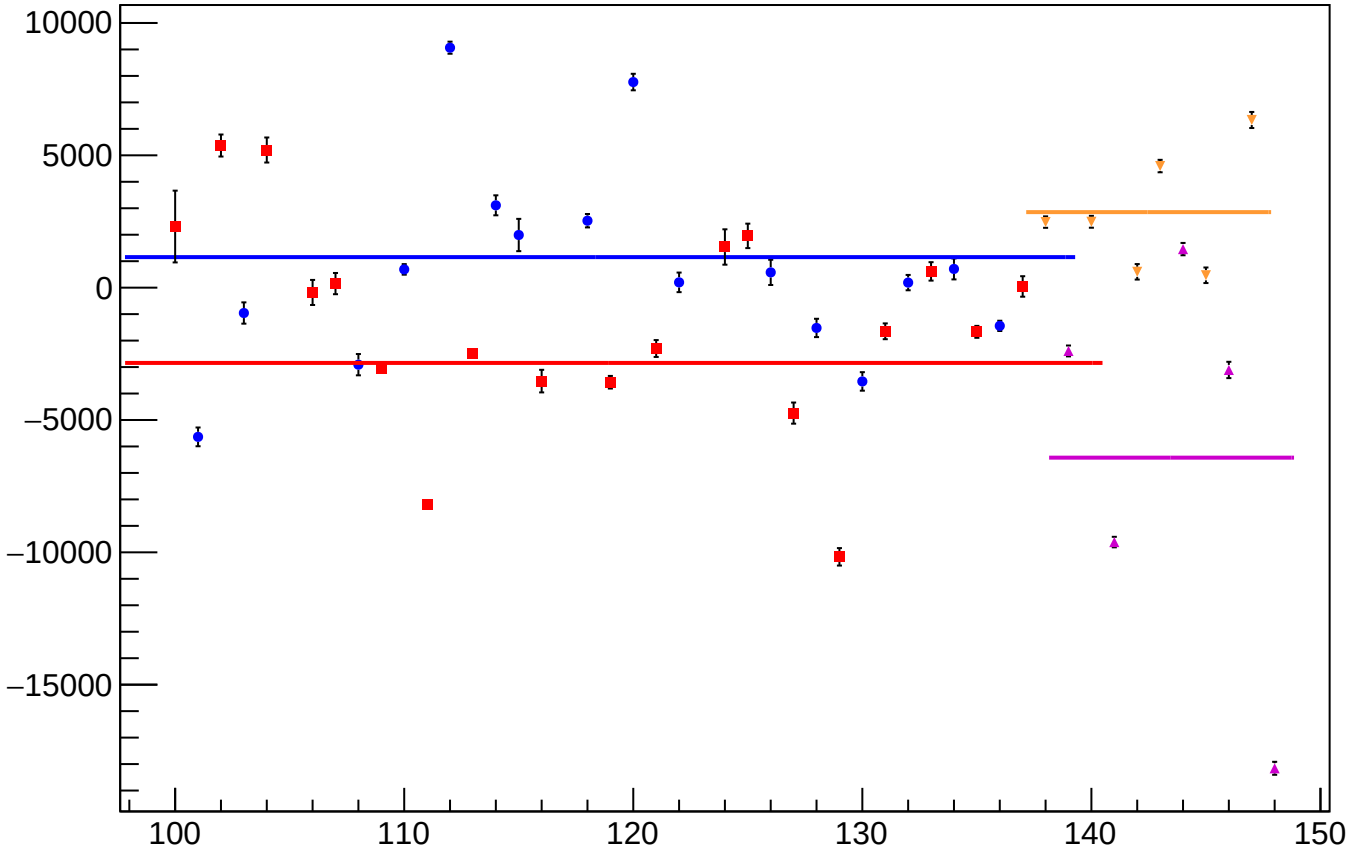
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 186.781+/-0.040 χ^2/NDF:967410.2/20

Out: 180.071+/-0.038 χ^2/NDF:1389753.6/24

All: 183.277+/-0.028 χ^2/NDF: 2371700.4/45

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2853.913+/-103.504 χ^2/NDF:317.2/5

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -6422.846+/-102.826 χ^2/NDF:4189.7/4

Left: -1814.946+/-72.947 χ^2/NDF: 8549.8/10

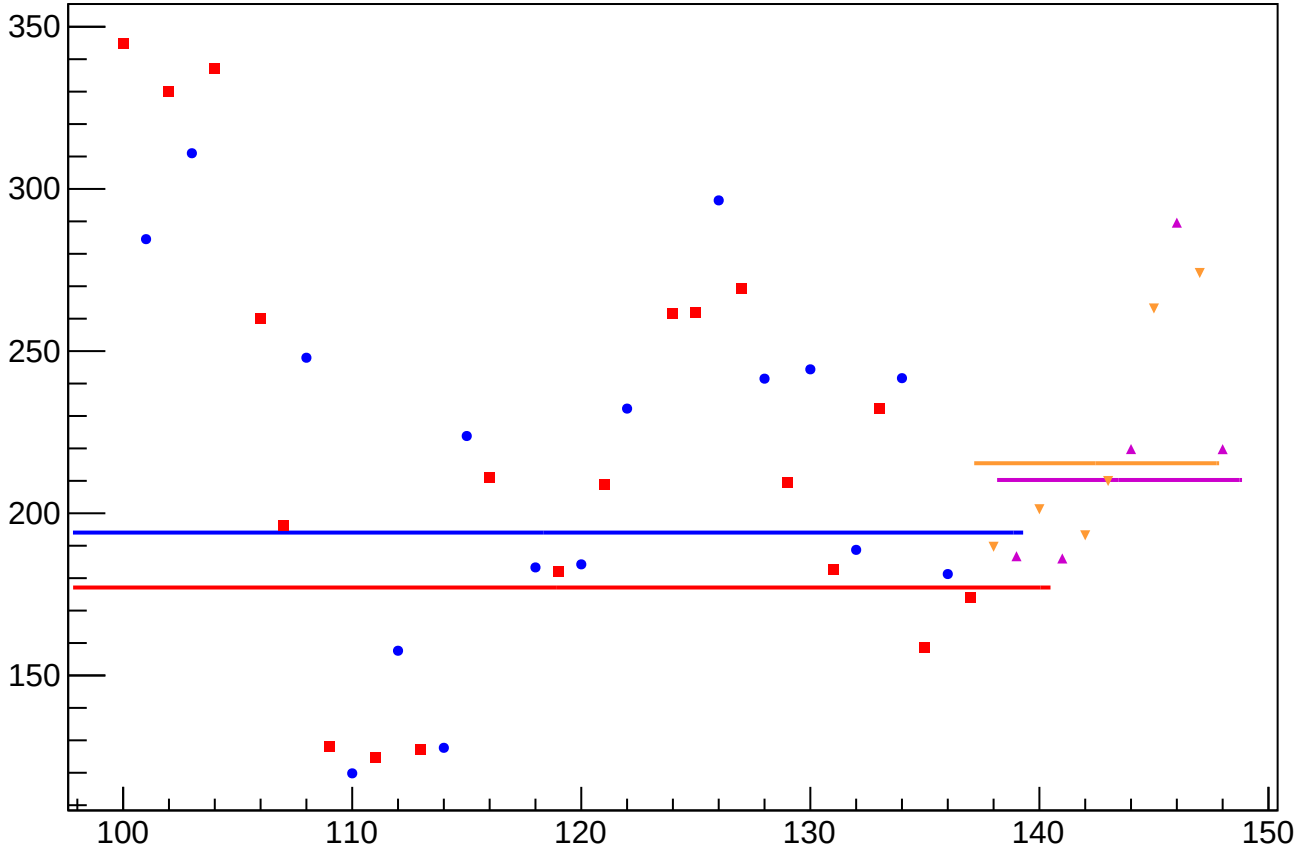
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1520.970+/-61.095 χ^2/NDF:10357.7/20

Out: -1085.925+/-57.492 χ^2/NDF:4865.7/24

All: -1290.241+/-41.869 χ^2/NDF: 15250.3/45

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.430+/-0.073 χ^2/NDF:176419.6/5

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

Left: 212.833+/-0.052 χ^2/NDF: 373750.8/10

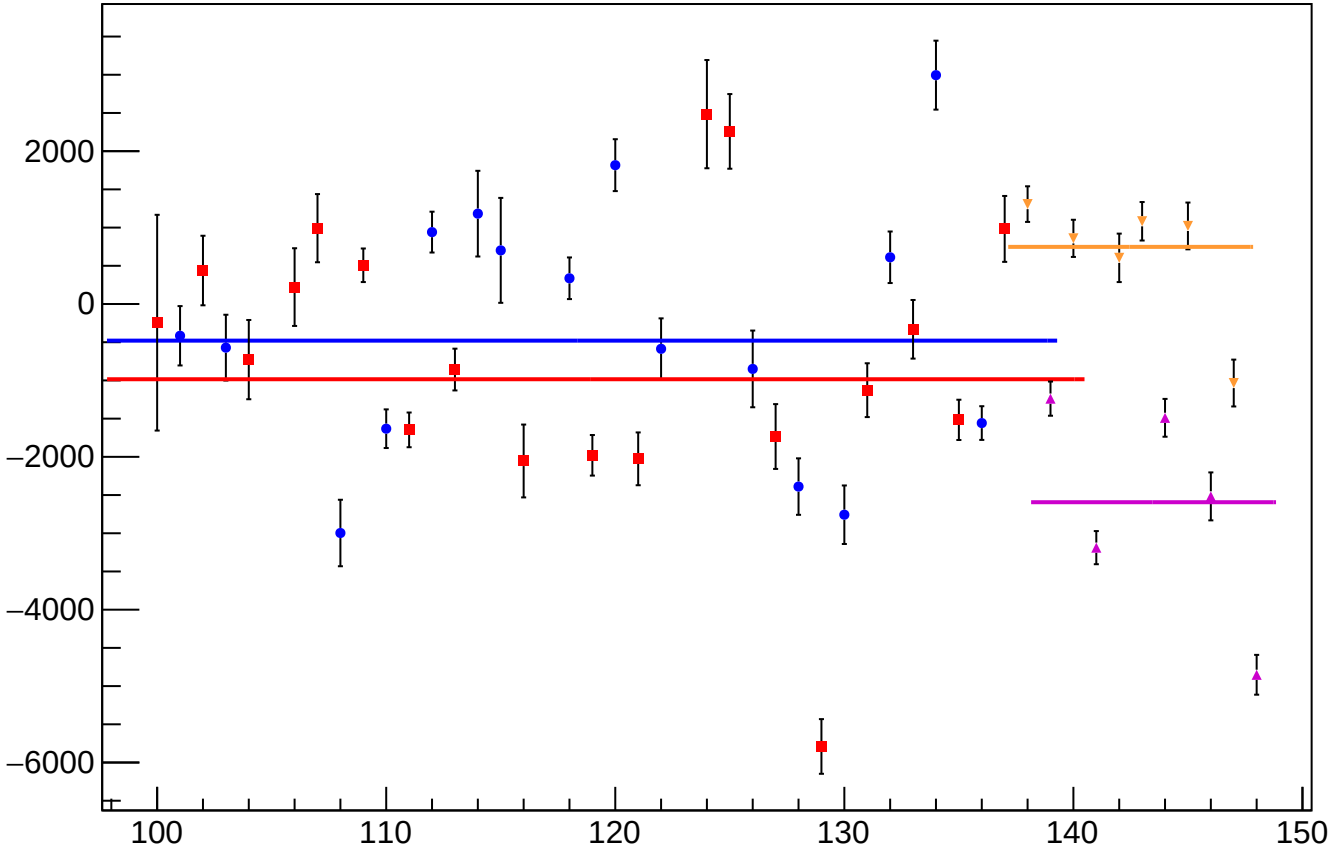
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.778+/-0.043 χ^2/NDF:1192800.2/20

Out: 188.937+/-0.041 χ^2/NDF:1725271.6/24

All: 194.028+/-0.030 χ^2/NDF: 2951472.7/45

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 747.608+/-110.203 χ^2/NDF:42.5/5

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2593.760+/-110.113 χ^2/NDF:139.3/4

Left: -924.437+/-77.893 χ^2/NDF: 641.9/10

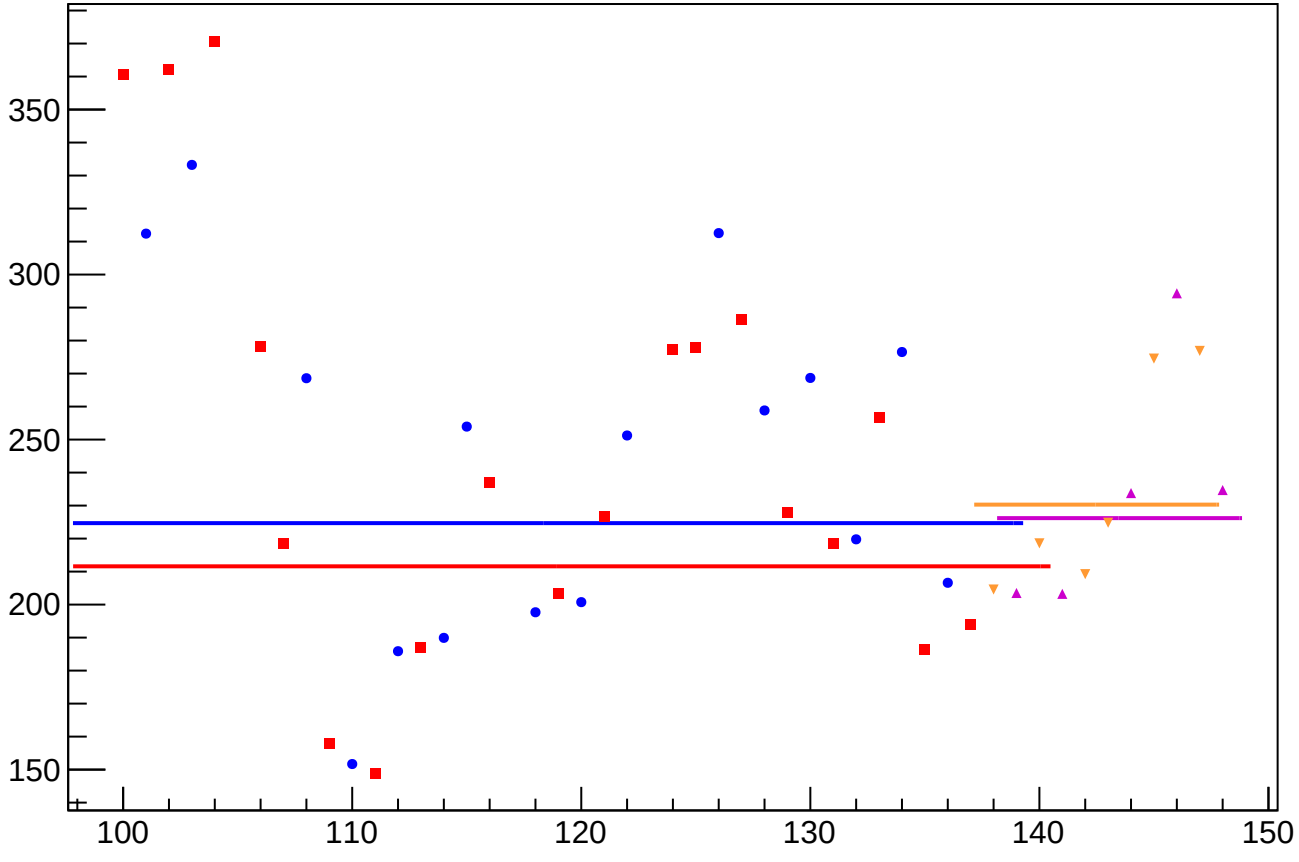
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1288.332+/-68.112 χ^2/NDF:672.4/20

Out: -377.493+/-65.238 χ^2/NDF:601.1/24

All: -813.294+/-47.113 χ^2/NDF: 1366.9/45

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 230.291+/-0.078 χ^2/NDF:126757.6/5

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 226.200+/-0.078 χ^2/NDF:141247.6/4

Left: 228.244+/-0.055 χ^2/NDF: 269384.2/10

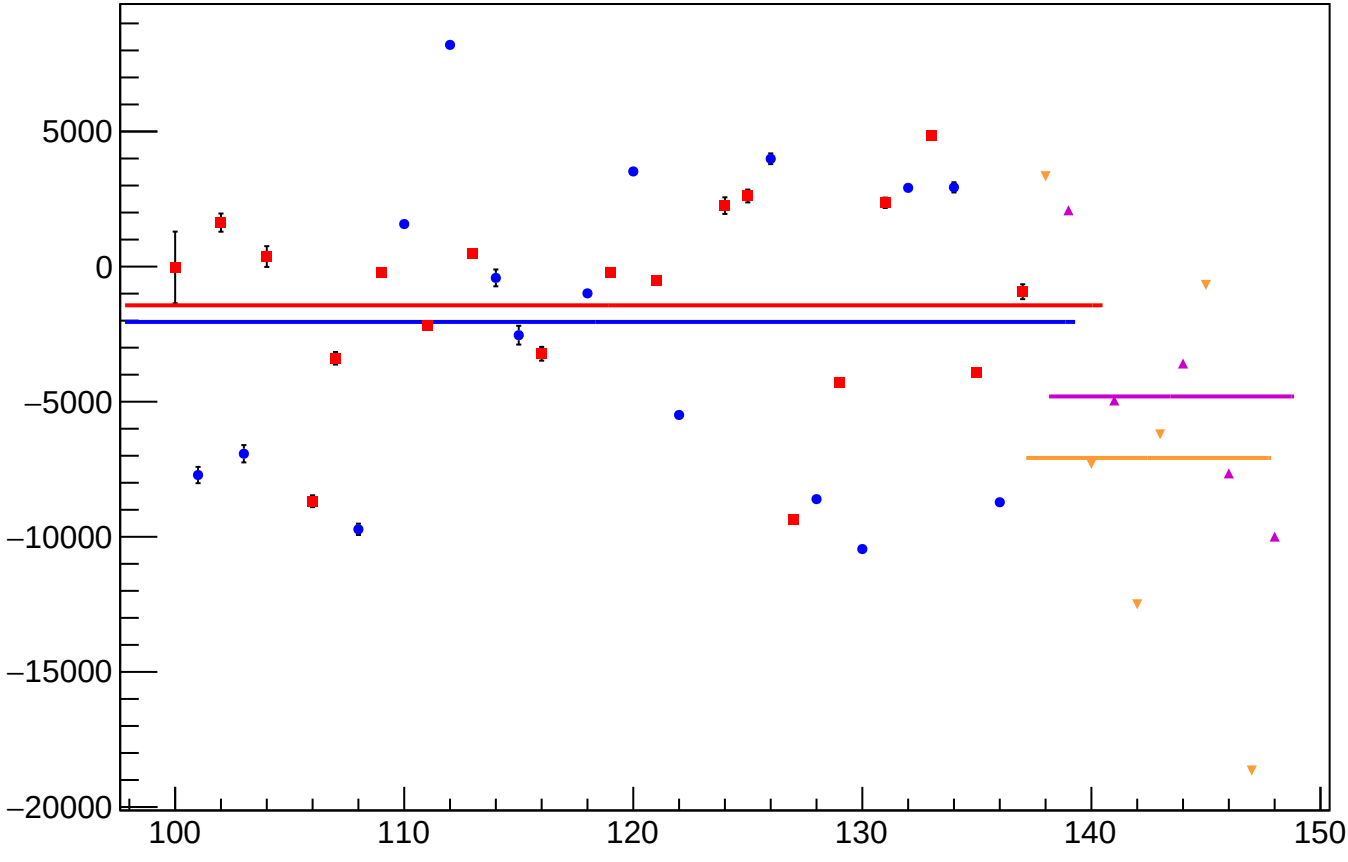
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.263+/-0.048 χ^2/NDF:794675.4/20

Out: 218.147+/-0.046 χ^2/NDF:1097049.4/24

All: 221.552+/-0.033 χ^2/NDF: 1903111.6/45

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7081.454+/-53.760 χ^2/NDF:18936.7/5

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4805.199+/-54.954 χ^2/NDF:5341.9/4

Left: -5968.314+/-38.429 χ^2/NDF: 25155.3/10

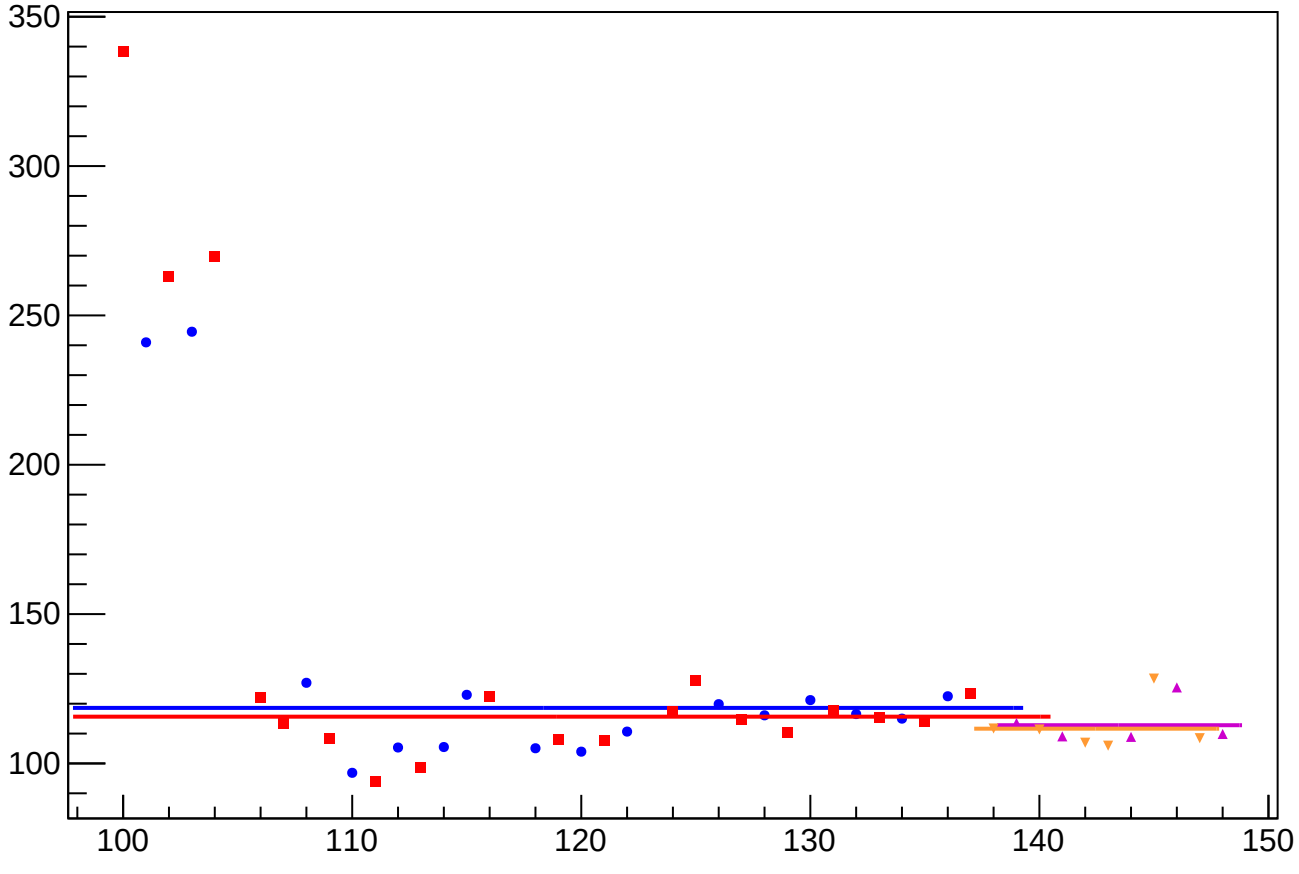
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3204.397+/-35.596 χ^2/NDF:23513.0/20

Out: -3743.541+/-34.384 χ^2/NDF:31848.1/24

All: -3483.300+/-24.730 χ^2/NDF: 55479.8/45

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.635+/-0.038 χ^2/NDF:34278.3/5

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 112.799+/-0.039 χ^2/NDF:23347.4/4

Left: 112.204+/-0.027 χ^2/NDF: 58084.0/10

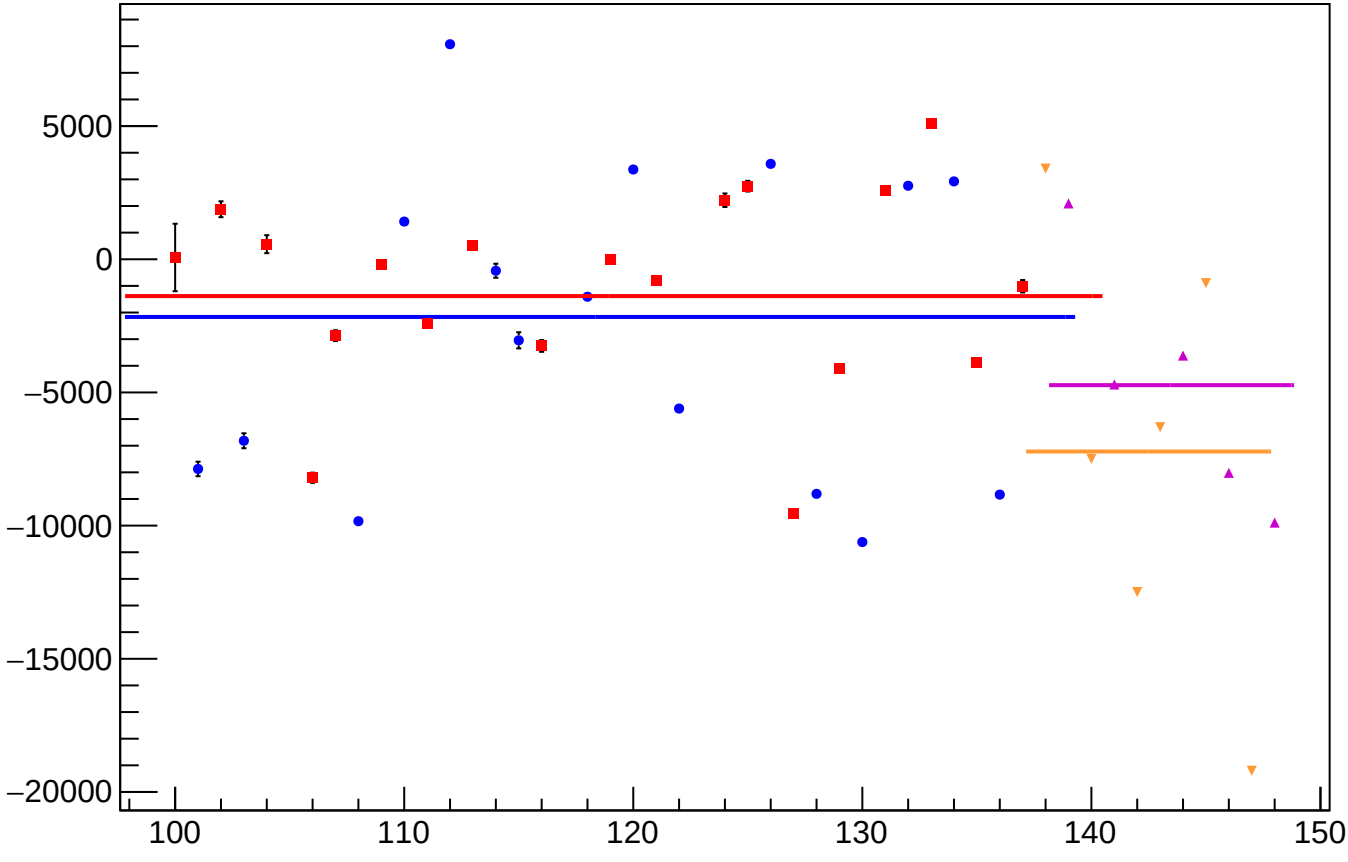
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.164+/-0.025 χ^2/NDF:770423.1/20

Out: 114.013+/-0.024 χ^2/NDF:905107.1/24

All: 115.051+/-0.017 χ^2/NDF: 1679305.8/45

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -7217.978+/-49.764 χ^2/NDF:22434.1/5

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -4726.446+/-51.242 χ^2/NDF:6226.2/4

Left: -6008.670+/-35.700 χ^2/NDF: 29877.0/10

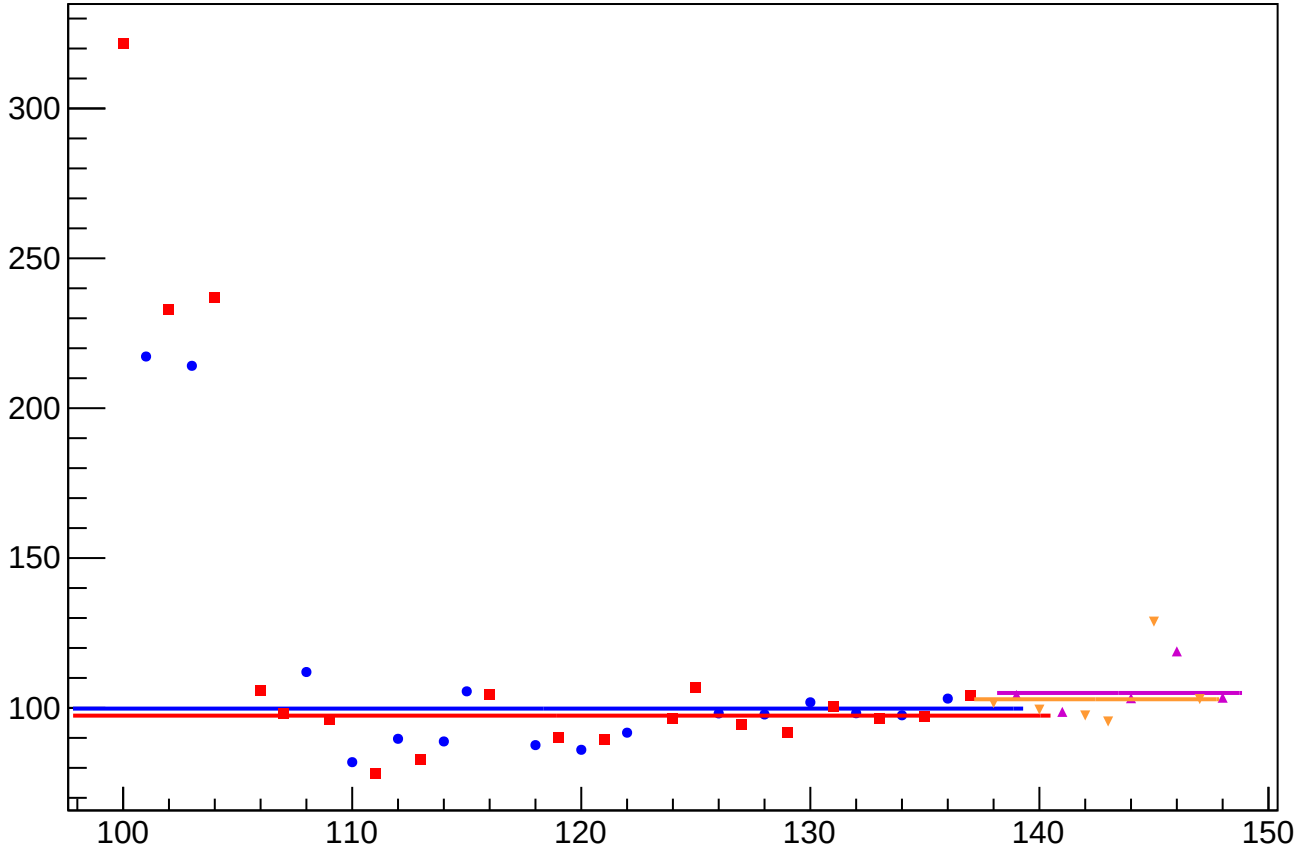
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3124.272+/-31.350 χ^2/NDF:30663.4/20

Out: -3530.505+/-30.189 χ^2/NDF:40271.0/24

All: -3335.044+/-21.746 χ^2/NDF: 71021.5/45

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.890+/-0.035 χ^2/NDF:77593.4/5

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 104.991+/-0.036 χ^2/NDF:31907.2/4

Left: 103.910+/-0.025 χ^2/NDF: 111231.9/10

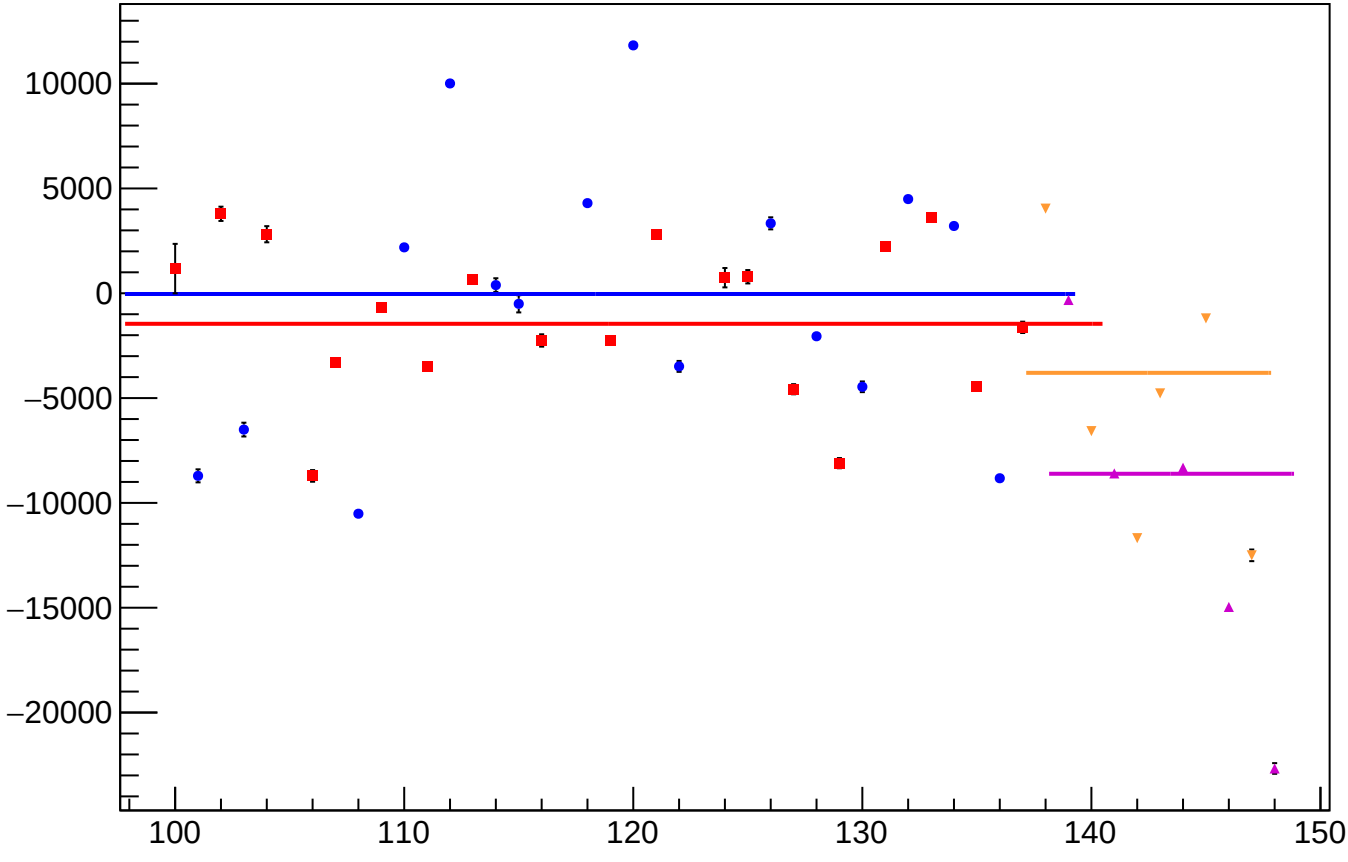
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 101.727+/-0.022 χ^2/NDF:854030.6/20

Out: 99.438+/-0.021 χ^2/NDF:1018868.9/24

All: 100.539+/-0.015 χ^2/NDF: 1878433.5/45

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3795.737+/-77.999 χ^2/NDF:5127.7/5

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -8610.526+/-83.043 χ^2/NDF:6539.1/4

Left: -6052.453+/-56.853 χ^2/NDF: 13452.7/10

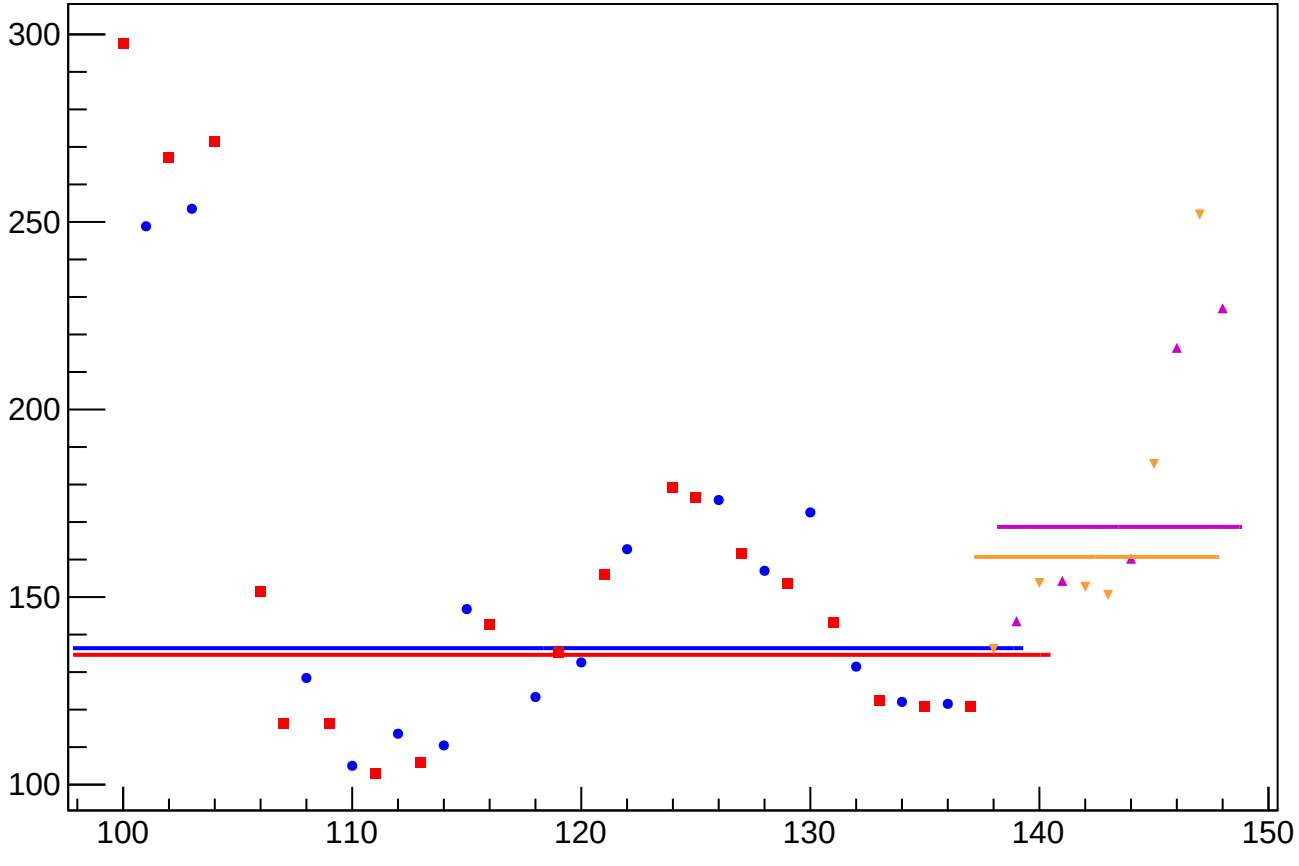
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -2547.743+/-44.954 χ^2/NDF:30881.3/20

Out: -2175.358+/-43.235 χ^2/NDF:9867.7/24

All: -2354.295+/-31.162 χ^2/NDF: 40784.6/45

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 160.705+/-0.055 χ^2/NDF:306750.7/5

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 168.706+/-0.059 χ^2/NDF:261868.9/4

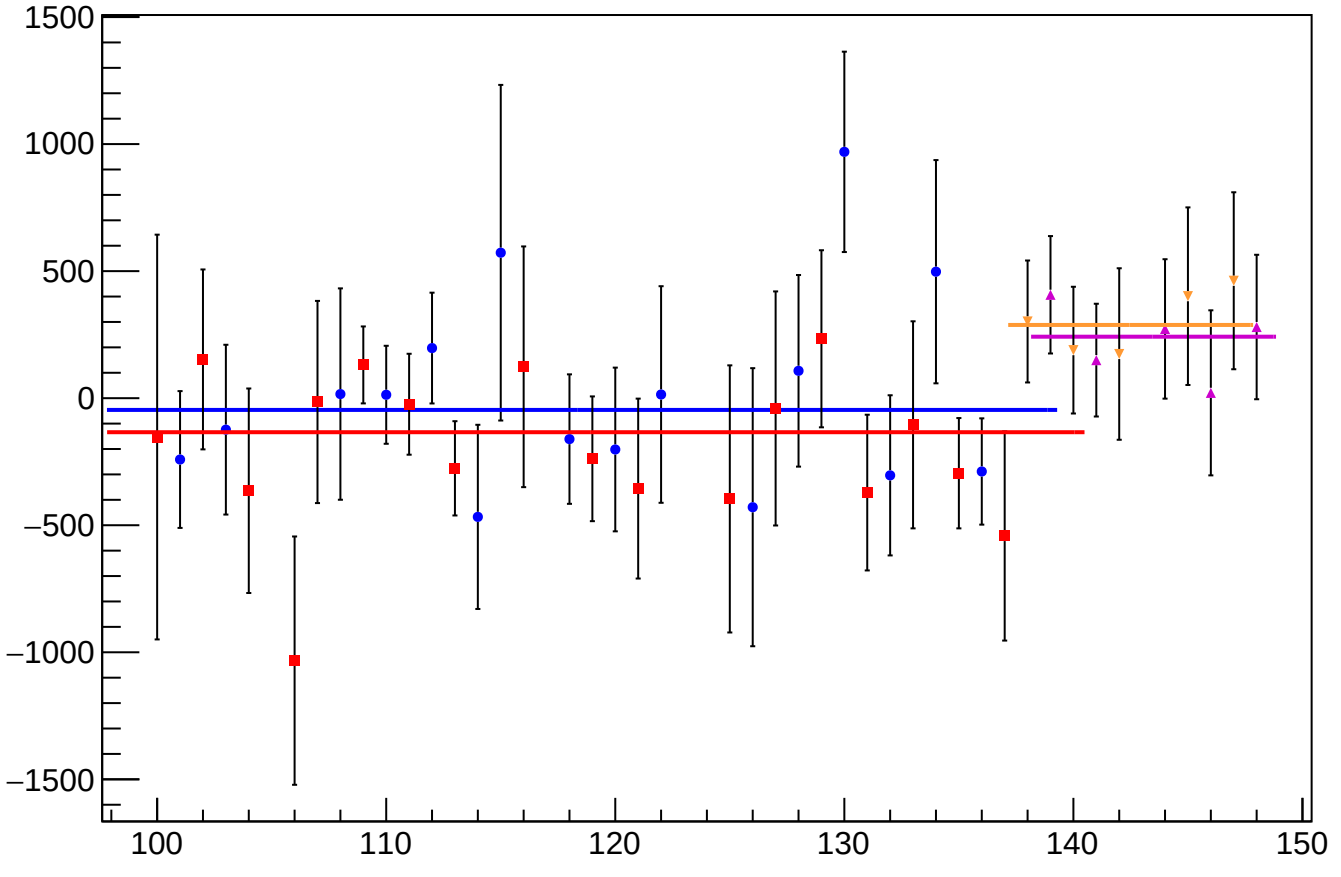
Left: 164.455+/-0.040 χ^2/NDF: 578481.8/10

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 145.855+/-0.032 χ^2/NDF:1272922.4/20

Out: 142.620+/-0.031 χ^2/NDF:1381571.4/24

All: 144.174+/-0.022 χ^2/NDF: 2659874.9/45



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 288.210+/-130.567 χ^2/NDF:0.6/4

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 241.989+/-116.099 χ^2/NDF:1.2/4

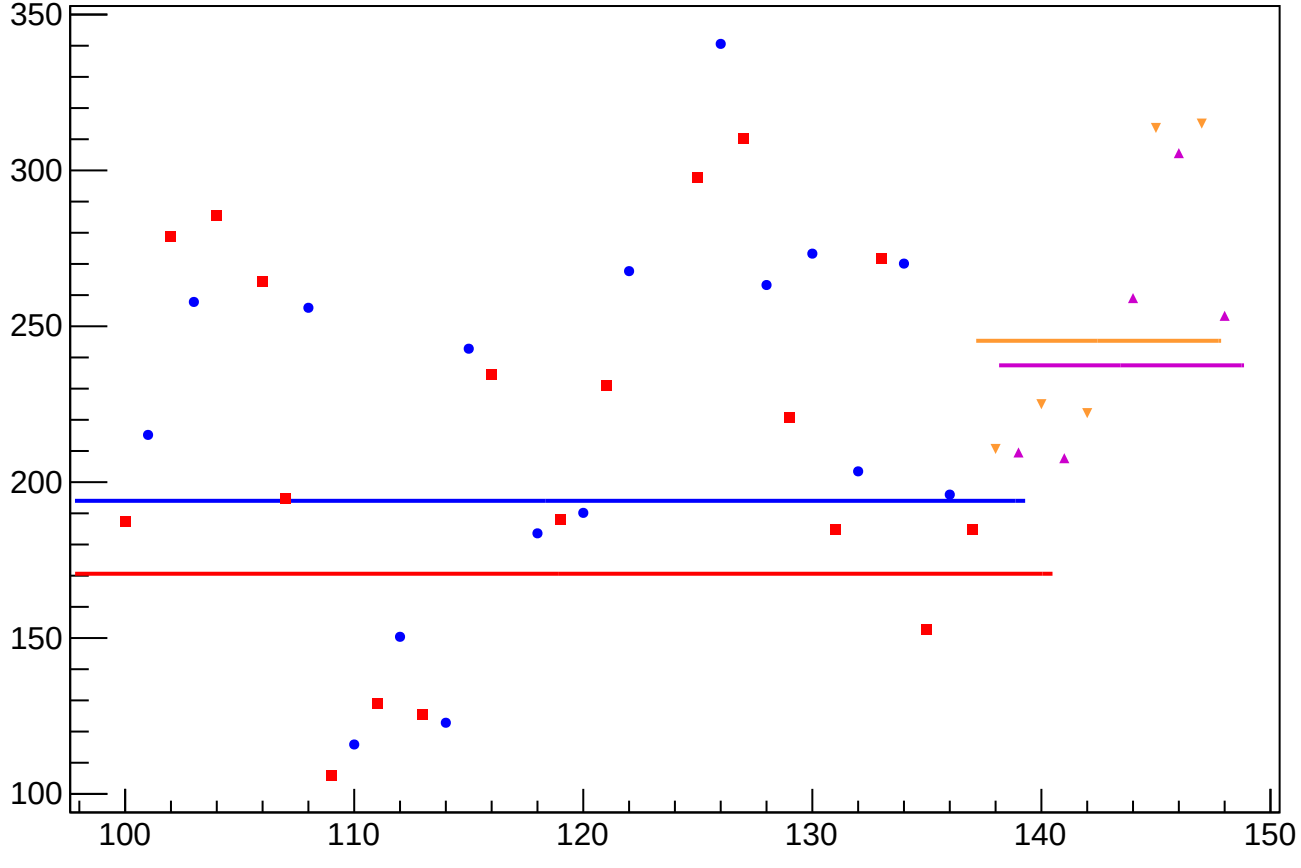
Left: 262.397+/-86.760 χ^2/NDF: 1.9/9

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 40.701+/-63.753 χ^2/NDF:20.9/20

Out: -42.984+/-60.599 χ^2/NDF:21.7/22

All: -3.263+/-43.922 χ^2/NDF: 43.5/43



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 245.351+/-0.092 χ^2/NDF:220973.2/4

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 237.475+/-0.082 χ^2/NDF:171760.2/4

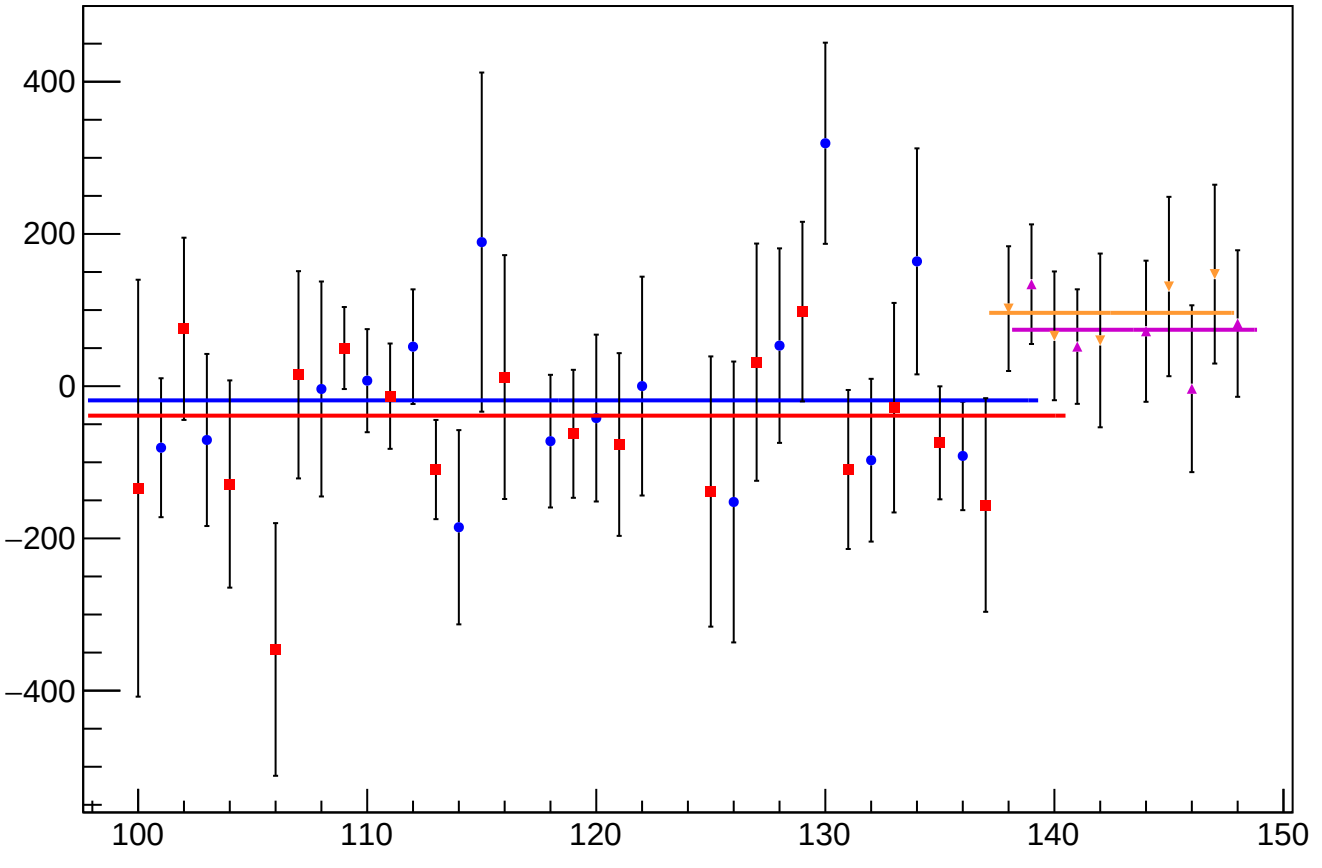
Left: 240.952+/-0.061 χ^2/NDF: 396797.8/9

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 207.121+/-0.045 χ^2/NDF:1411077.2/20

Out: 186.721+/-0.043 χ^2/NDF:2328715.2/22

All: 196.404+/-0.031 χ^2/NDF: 3847380.1/43



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 96.351+/-44.286 χ^2/NDF:0.5/4

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 74.126+/-39.344 χ^2/NDF:1.2/4

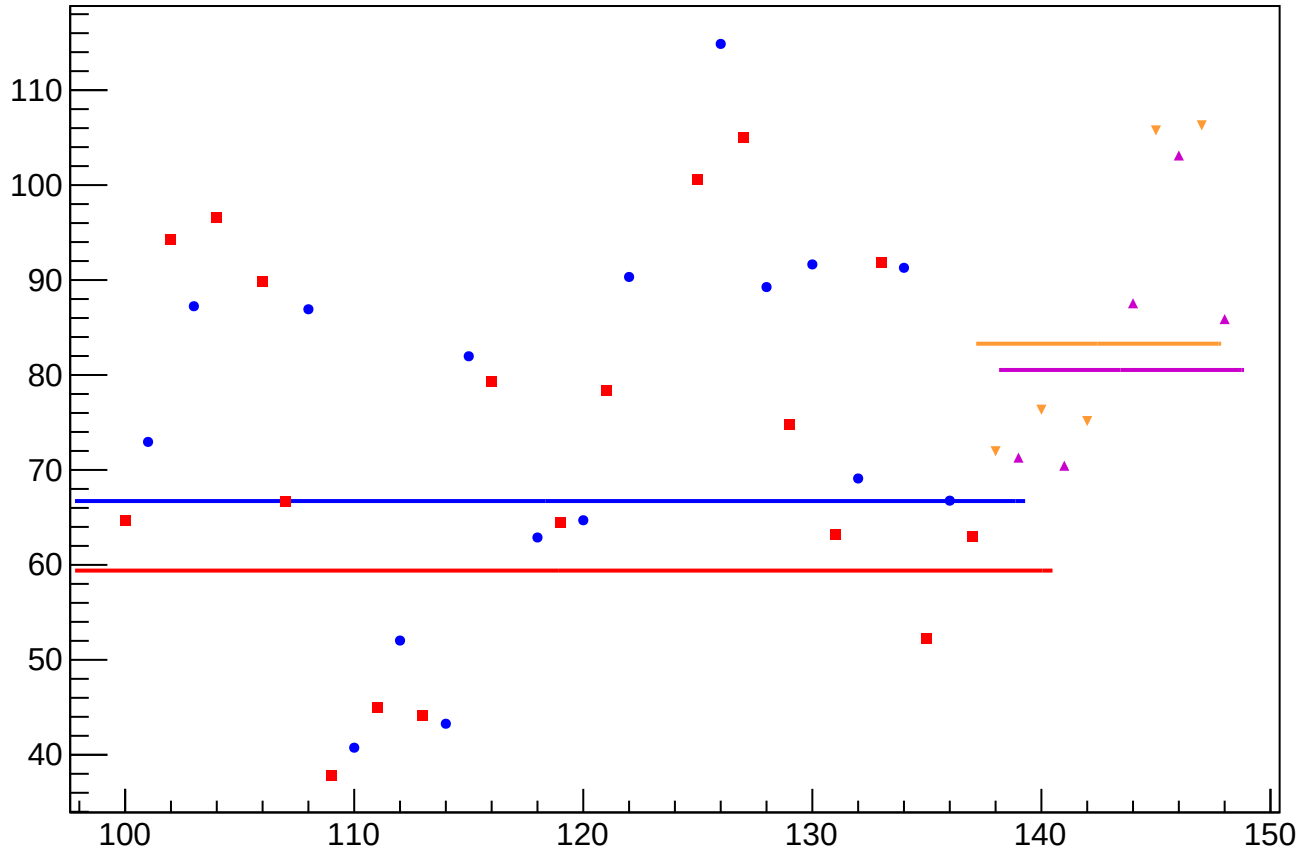
Left: 83.930+/-29.413 χ^2/NDF: 1.8/9

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 9.739+/-21.762 χ^2/NDF:20.2/20

Out: -8.741+/-20.863 χ^2/NDF:20.4/22

All: 0.109+/-15.060 χ^2/NDF: 41.0/43



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 83.296+/-0.031 χ^2/NDF:211196.2/4

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 80.530+/-0.028 χ^2/NDF:166161.0/4

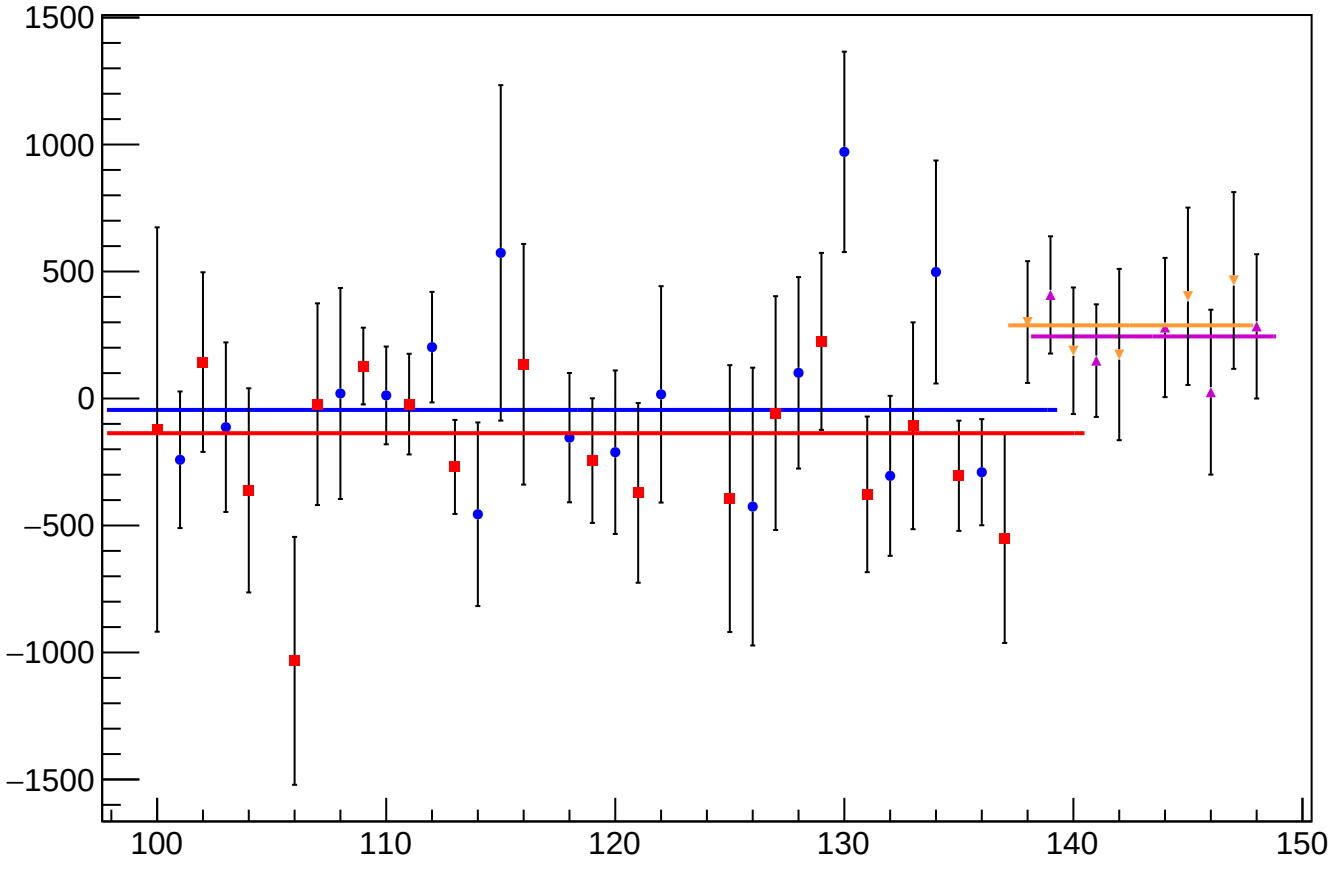
Left: 81.750+/-0.021 χ^2/NDF: 381719.8/9

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 70.948+/-0.015 χ^2/NDF:1284109.7/20

Out: 64.704+/-0.015 χ^2/NDF:2109627.7/22

All: 67.694+/-0.011 χ^2/NDF: 3479546.5/43



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 288.072+/-130.458 χ^2/NDF:0.6/4

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 244.472+/-116.010 χ^2/NDF:1.2/4

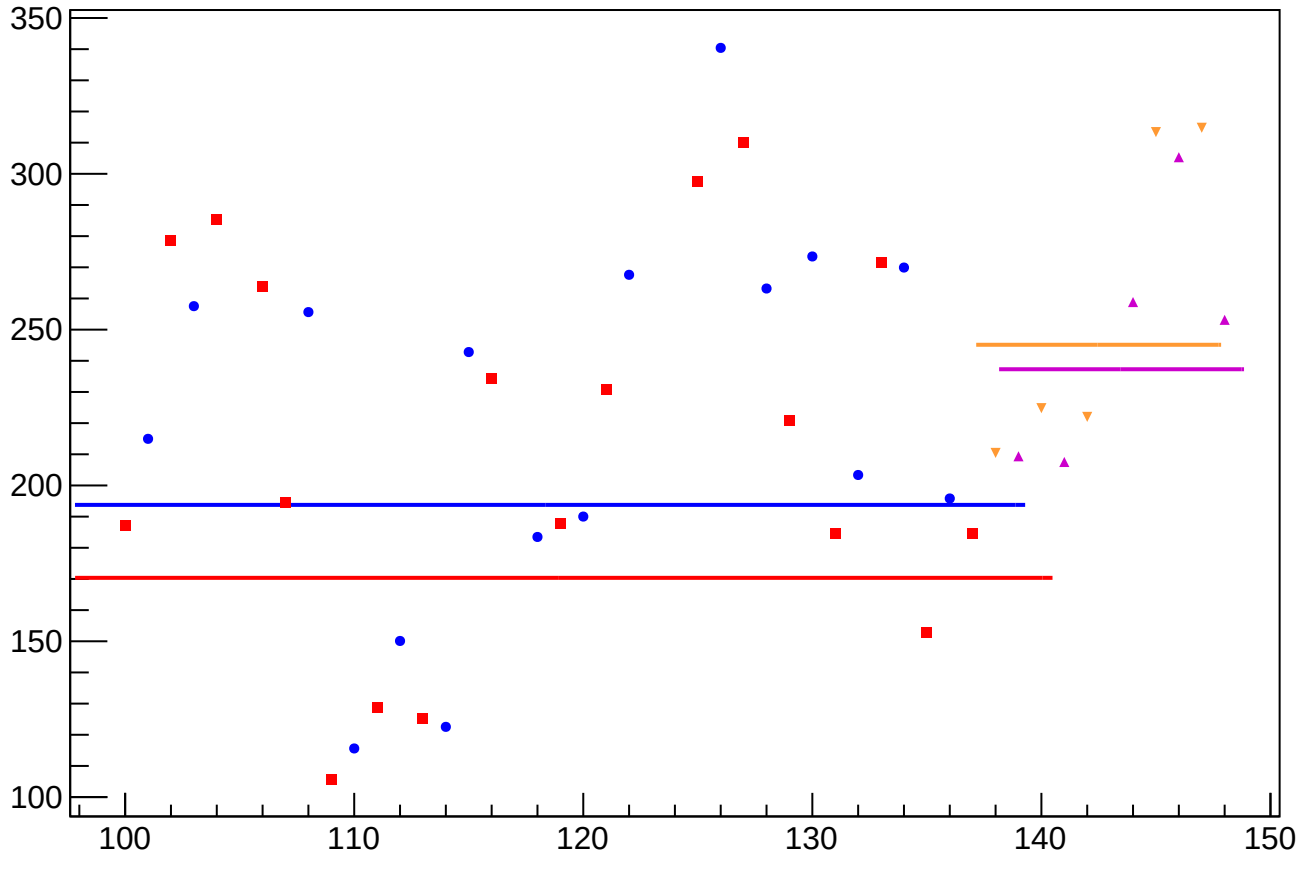
Left: 263.725+/-86.691 χ^2/NDF: 1.9/9

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 42.303+/-63.688 χ^2/NDF:21.0/20

Out: -45.178+/-60.525 χ^2/NDF:21.8/22

All: -3.664+/-43.873 χ^2/NDF: 43.8/43



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 245.144+/-0.092 χ^2/NDF:221117.3/4

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

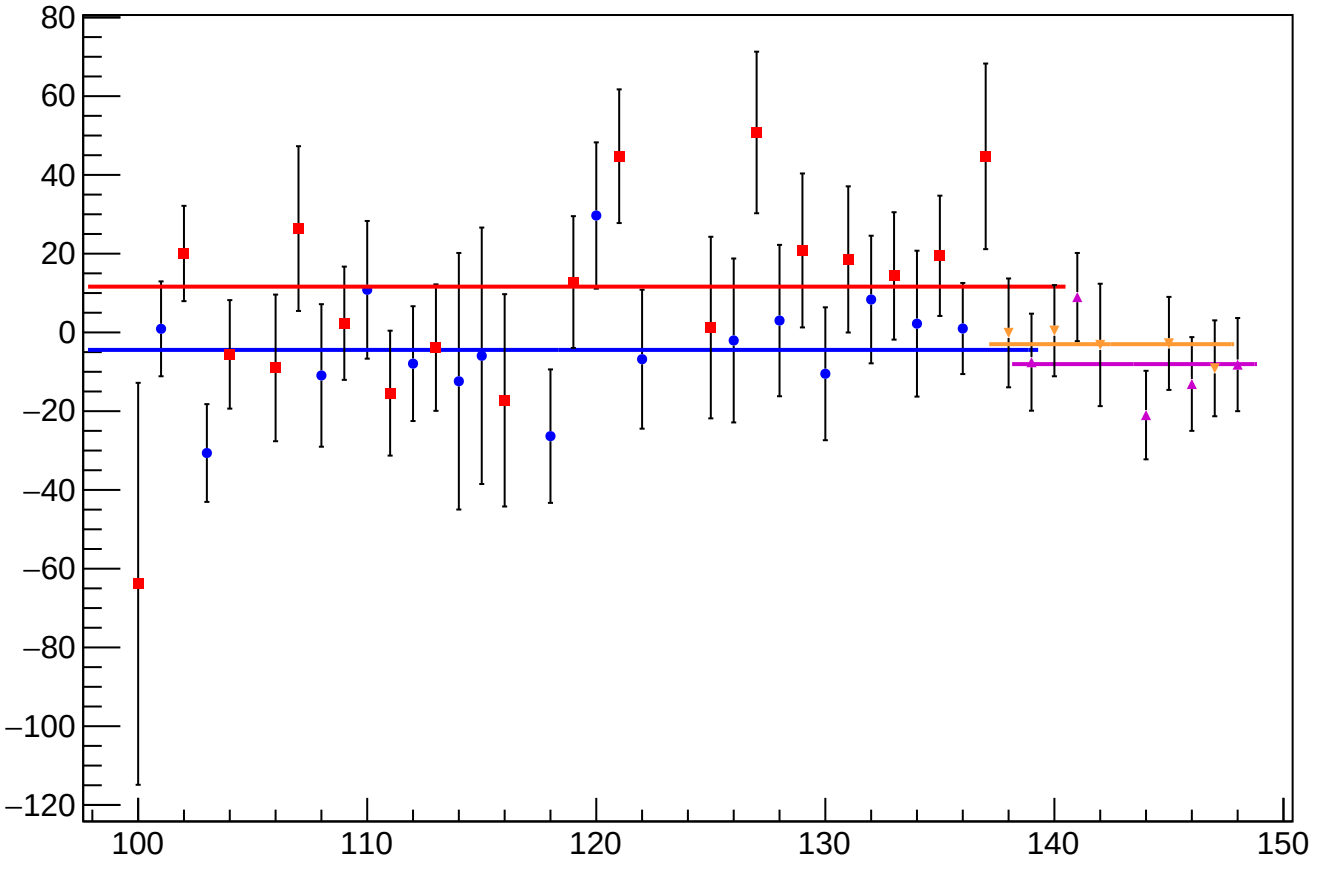
Left: 240.759+/-0.061 χ^2/NDF: 396953.6/9

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 206.885+/-0.045 χ^2/NDF:1416541.2/20

Out: 186.455+/-0.043 χ^2/NDF:2335929.0/22

All: 196.150+/-0.031 χ^2/NDF: 3860615.8/43



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -2.990+/-5.703 χ^2/NDF:0.4/4

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -8.046+/-5.221 χ^2/NDF:3.8/4

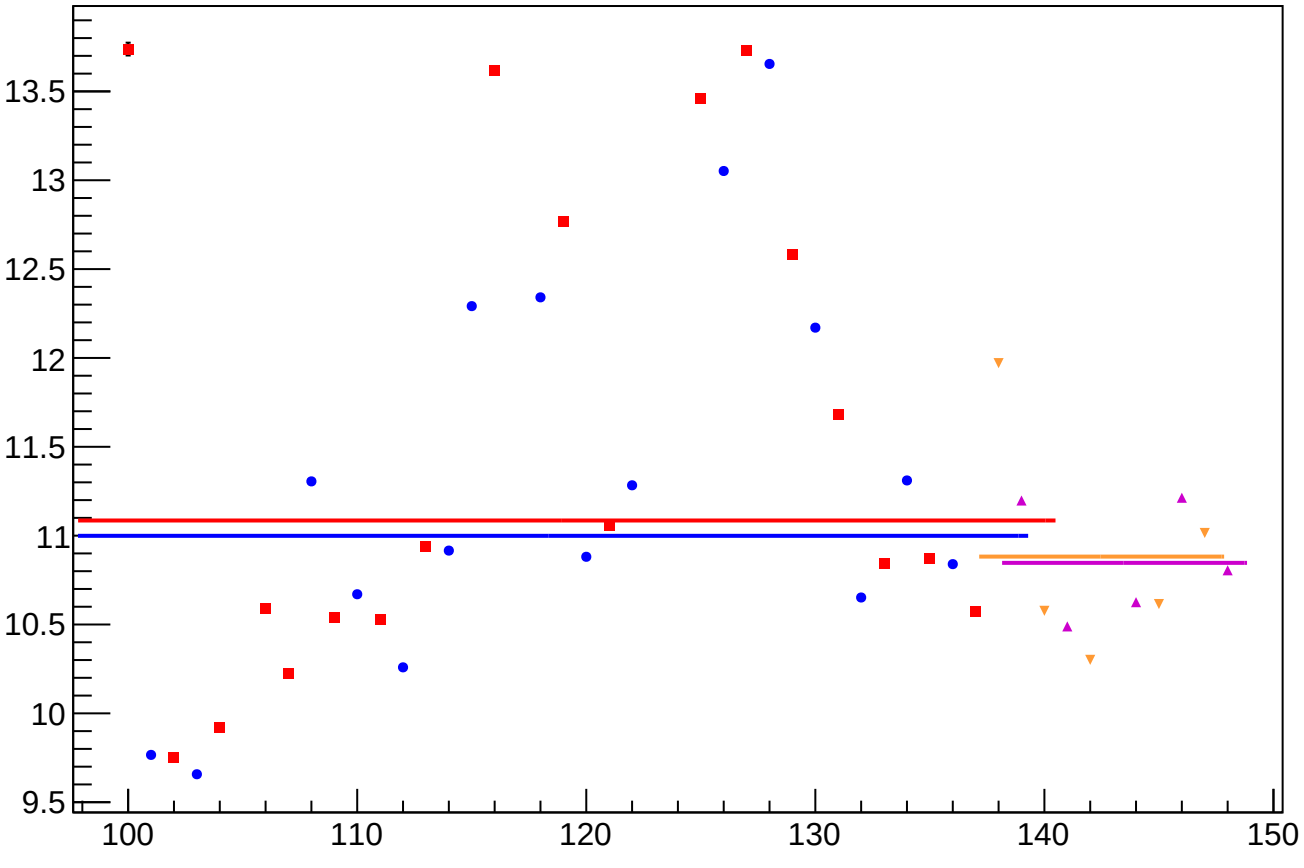
Left: -5.741+/-3.851 χ^2/NDF: 4.6/9

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -5.828+/-3.240 χ^2/NDF:16.1/20

Out: 6.588+/-3.348 χ^2/NDF:26.3/22

All: 0.175+/-2.328 χ^2/NDF: 49.5/43



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.882+/-0.004 χ^2/NDF:17854.3/4

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

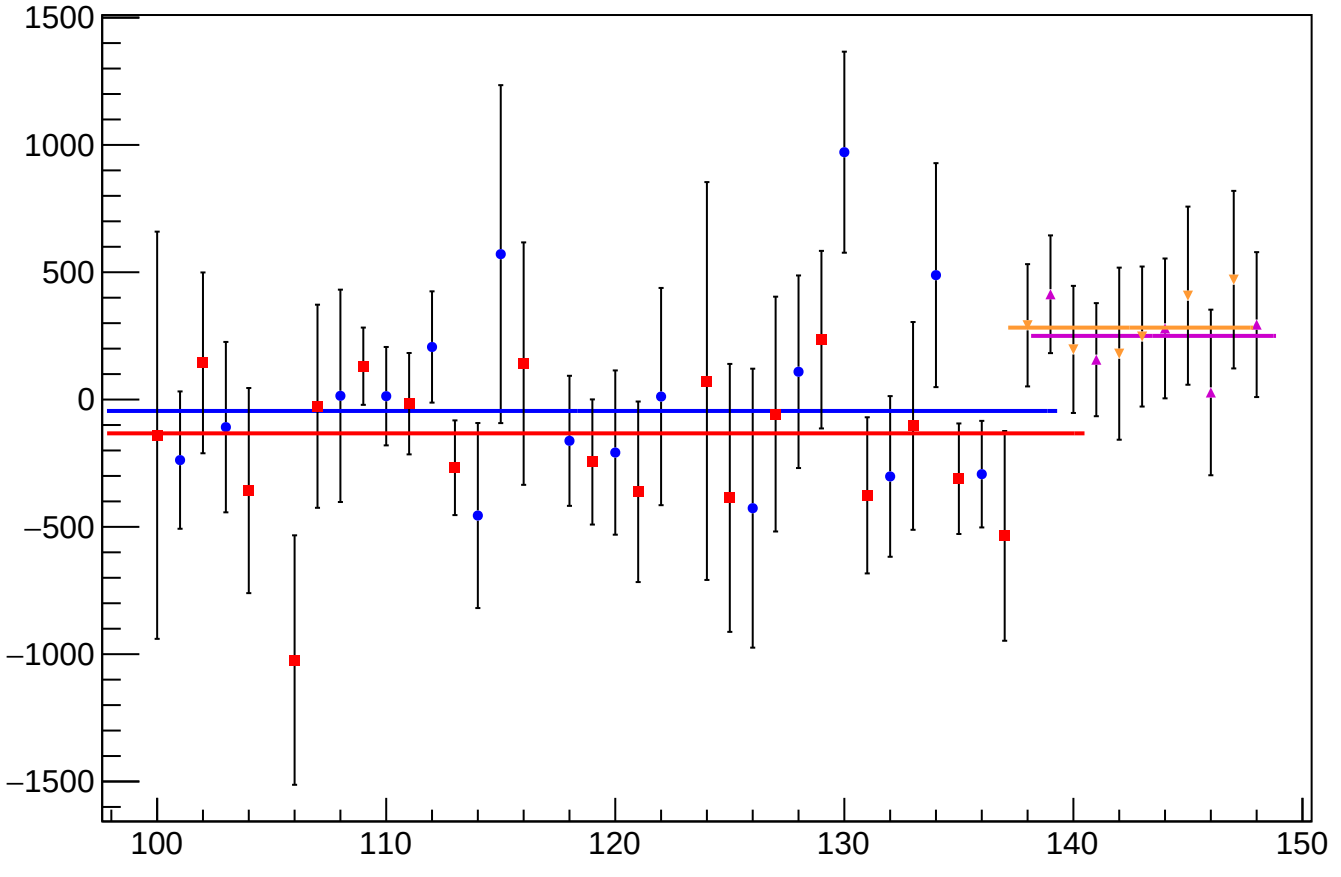
Left: 10.863+/-0.003 χ^2/NDF: 24253.6/9

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.940+/-0.002 χ^2/NDF:143561.7/20

Out: 11.015+/-0.002 χ^2/NDF:181721.9/22

All: 10.977+/-0.002 χ^2/NDF: 325799.2/43



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 250.023+/-116.207 χ^2/NDF:1.2/4

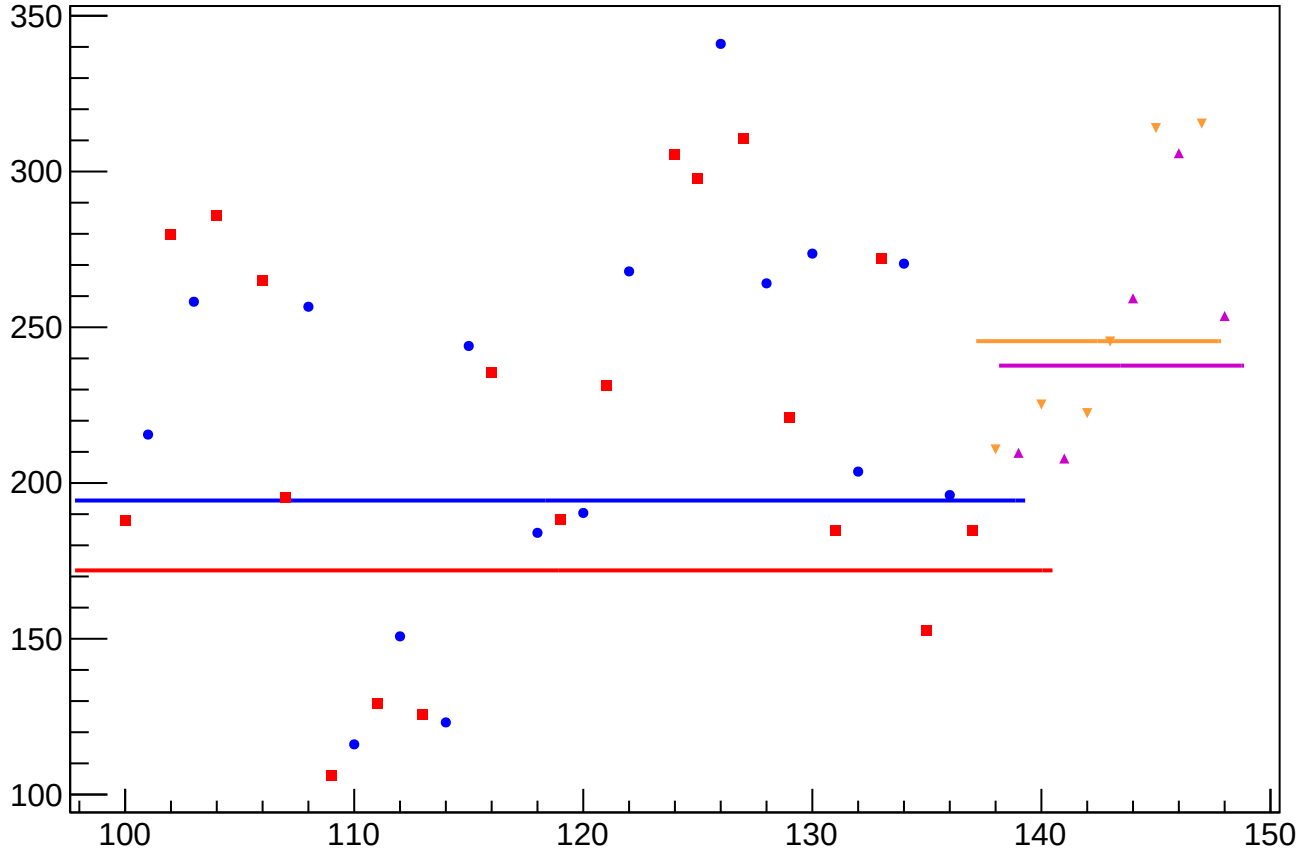
Left: 266.016+/-82.809 χ^2/NDF: 1.9/10

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 44.215+/-63.853 χ^2/NDF:21.1/20

Out: -28.637+/-59.096 χ^2/NDF:22.8/24

All: 4.975+/-43.372 χ^2/NDF: 44.6/45



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 245.545+/-0.083 χ^2/NDF:221267.1/5

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

Left: 241.556+/-0.059 χ^2/NDF: 397748.7/10

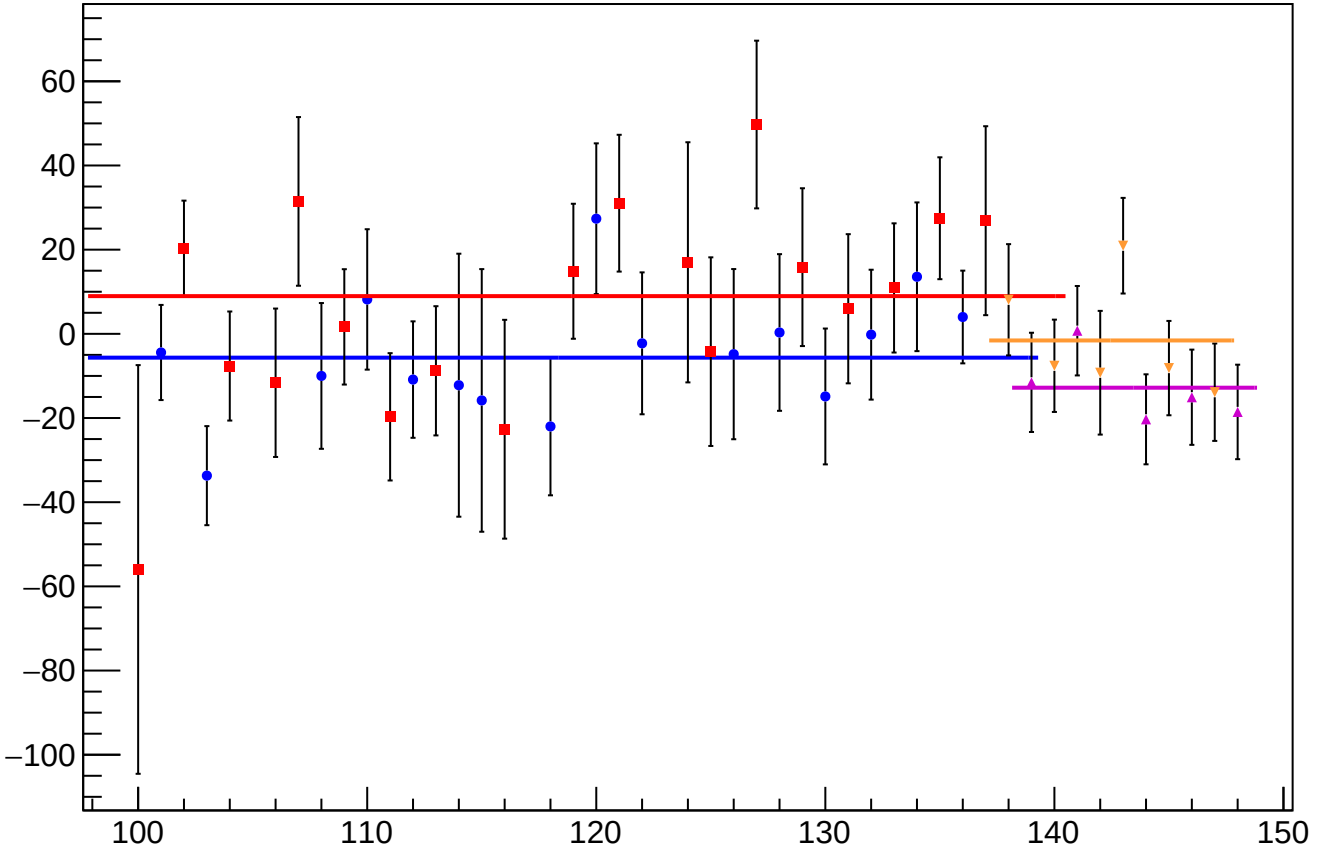
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 207.460+/-0.045 χ^2/NDF:1407885.8/20

Out: 190.398+/-0.042 χ^2/NDF:2455251.9/24

All: 198.270+/-0.031 χ^2/NDF: 3940052.0/45

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.571+/-4.888 χ^2/NDF:6.5/5

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -12.798+/-4.966 χ^2/NDF:2.4/4

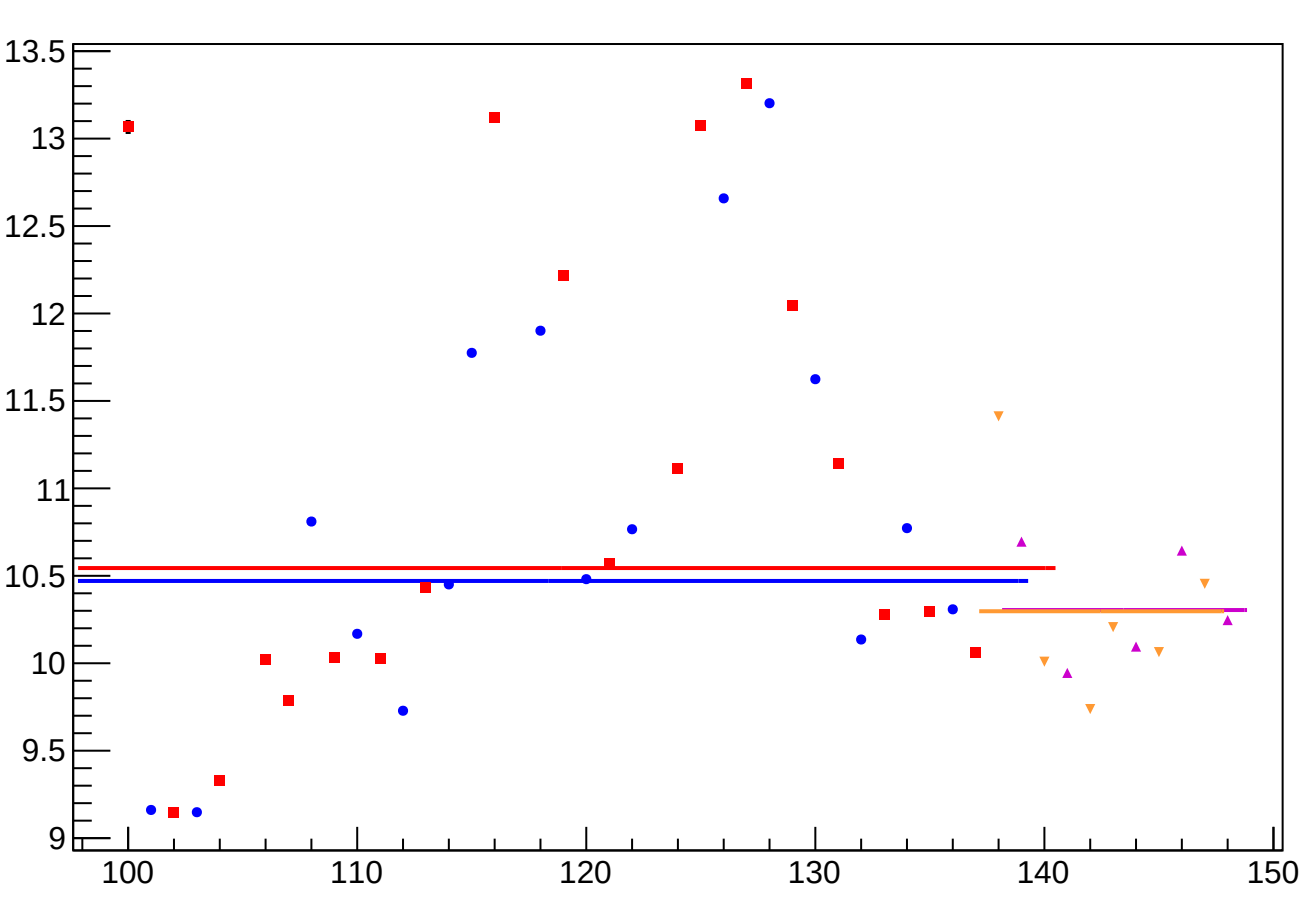
Left: -7.096+/-3.484 χ^2/NDF: 11.5/10

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.415+/-3.086 χ^2/NDF:17.4/20

Out: 4.863+/-3.049 χ^2/NDF:32.1/24

All: -1.696+/-2.169 χ^2/NDF: 58.9/45



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.297+/-0.003 χ^2/NDF:19866.2/5

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

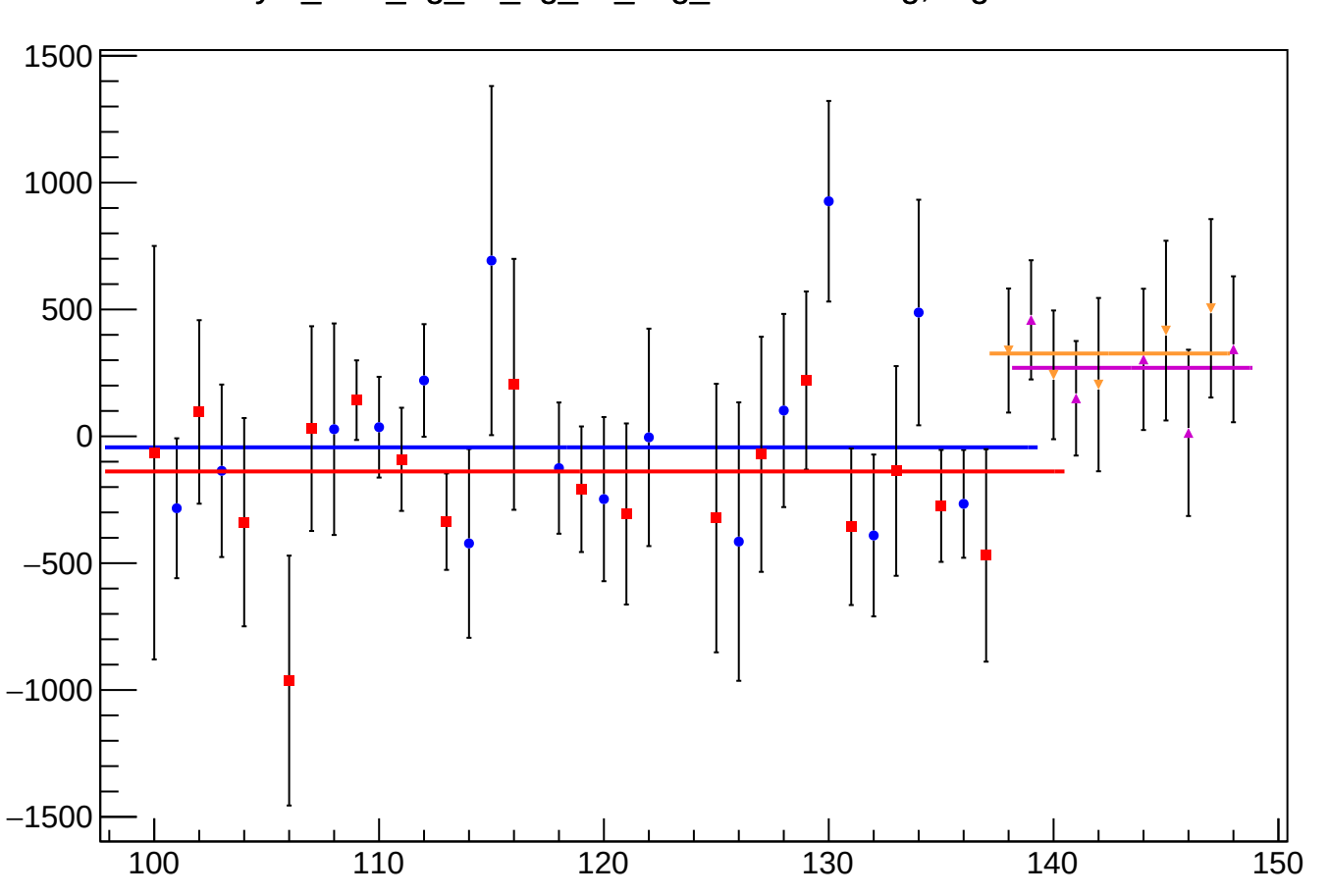
Left: 10.301+/-0.002 χ^2/NDF: 26981.6/10

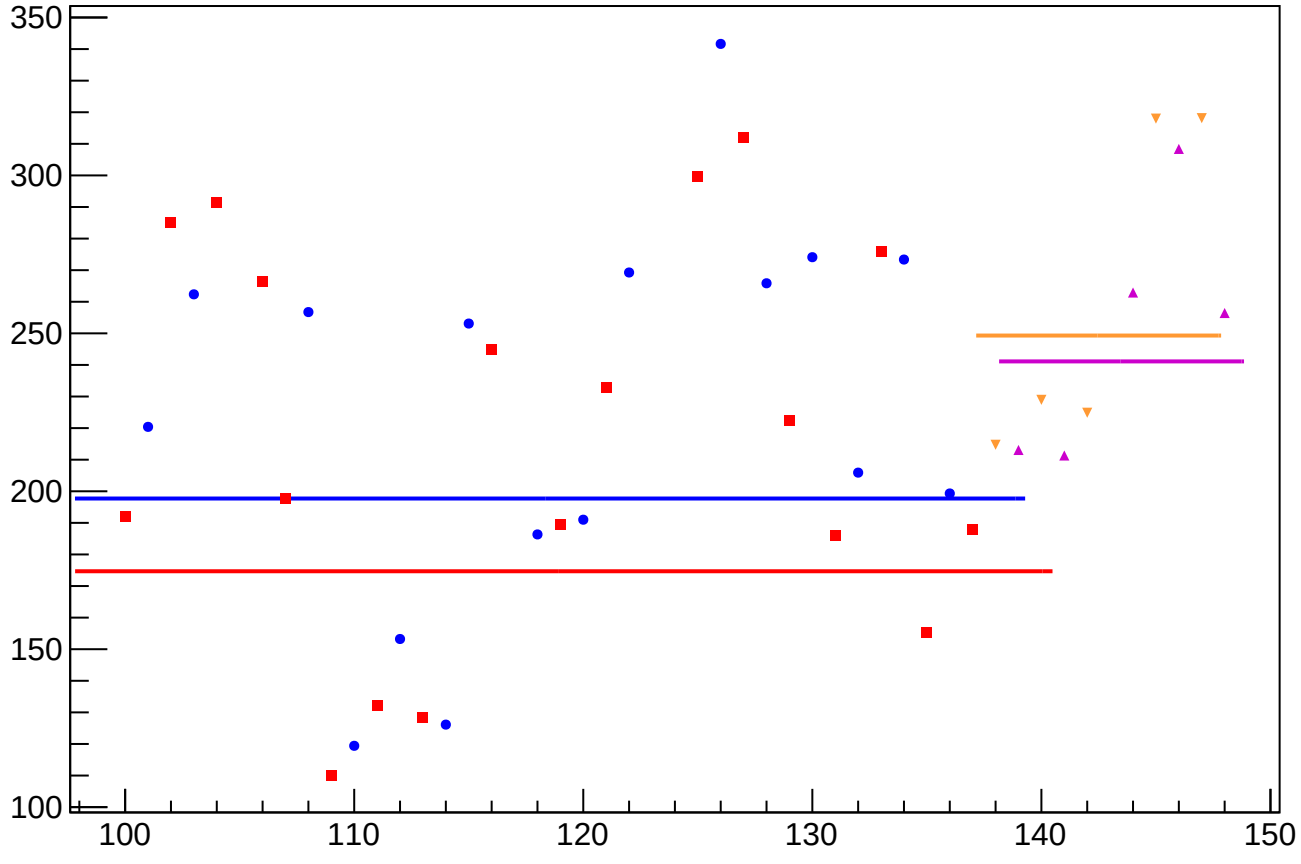
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.406+/-0.002 χ^2/NDF:165855.6/20

Out: 10.448+/-0.002 χ^2/NDF:209765.2/24

All: 10.428+/-0.002 χ^2/NDF: 375807.4/45


asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -43.384+/-77.584 χ²/NDF: 15.5/15
Left Out: 326.424+/-132.599 χ²/NDF:0.6/4
Right Out: -138.455+/-69.833 χ²/NDF: 11.5/17
Left In: 269.950+/-117.808 χ²/NDF:1.6/4
Left: 294.863+/-88.070 χ²/NDF: 2.3/9
Right: -95.904+/-51.904 χ²/NDF: 27.7/33
In: 51.401+/-64.795 χ²/NDF:22.0/20
Out: -37.513+/-61.788 χ²/NDF:21.6/22
All: 4.833+/-44.716 χ²/NDF: 44.6/43



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 249.306+/-0.094 χ^2/NDF:214856.0/4

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

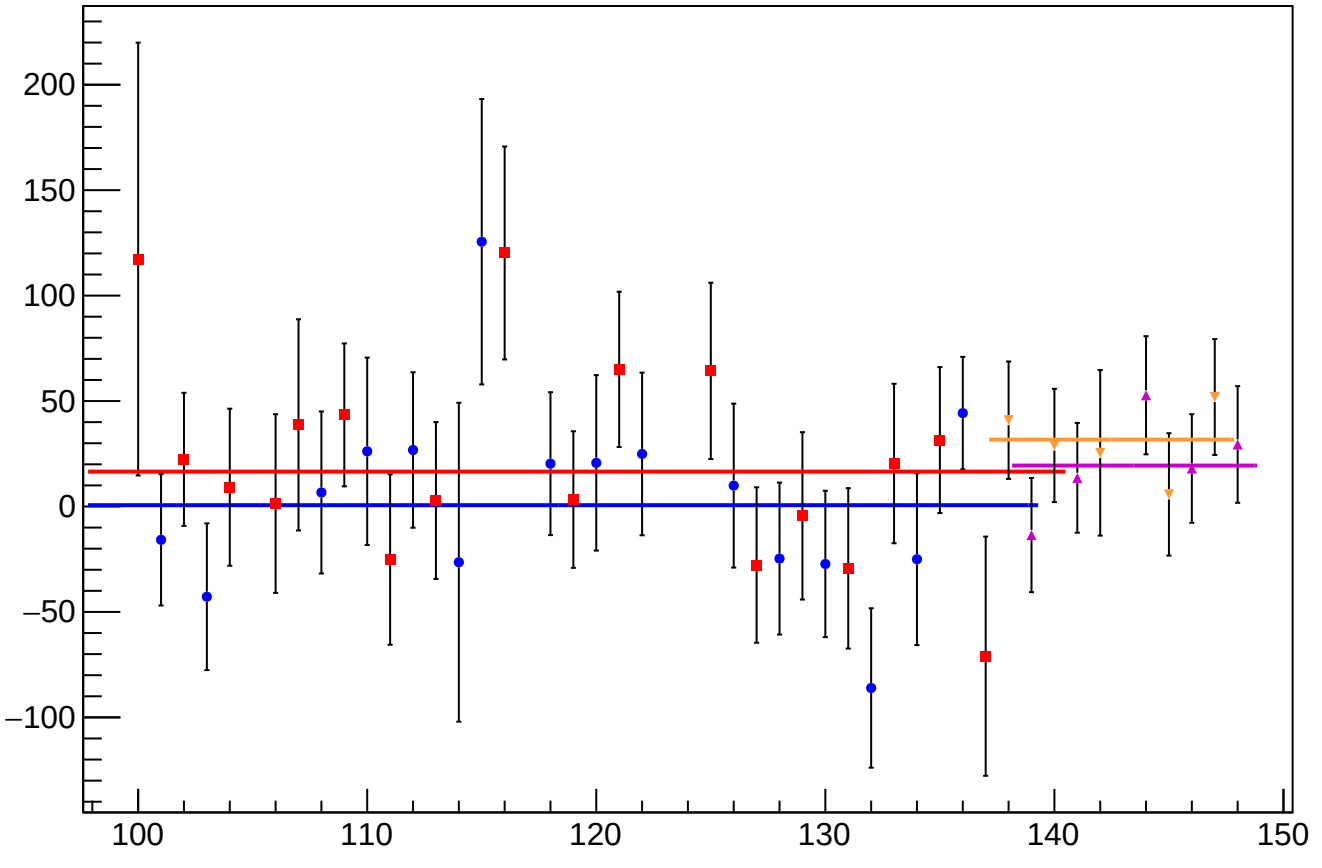
Left: 244.730+/-0.062 χ^2/NDF: 384670.1/9

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 210.839+/-0.046 χ^2/NDF:1355289.6/20

Out: 190.883+/-0.044 χ^2/NDF:2245545.7/22

All: 200.387+/-0.032 χ^2/NDF: 3700196.3/43



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.692+/-13.091 χ^2/NDF:1.5/4

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 19.404+/-12.014 χ^2/NDF:3.1/4

Left: 25.022+/-8.852 χ^2/NDF: 5.0/9

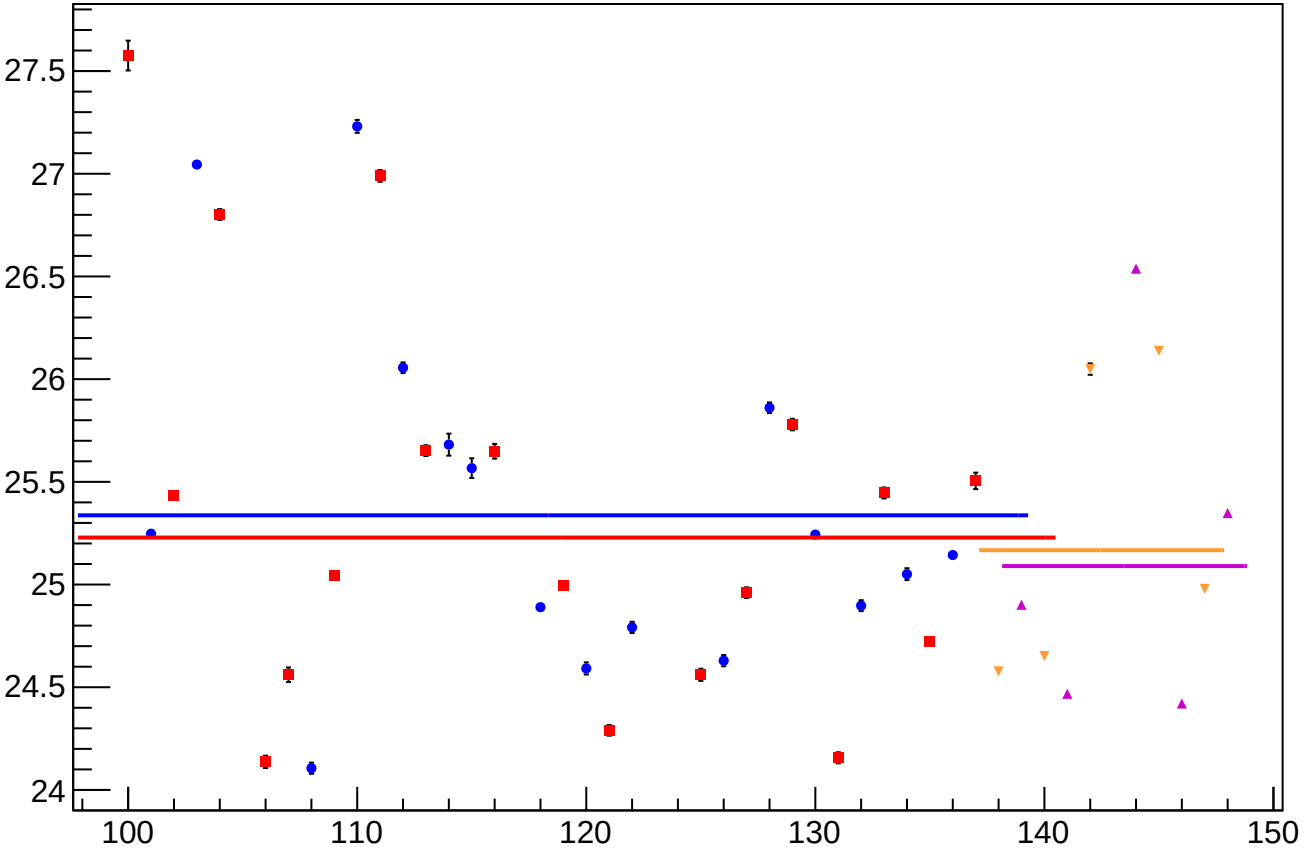
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 7.772+/-7.414 χ^2/NDF:21.3/20

Out: 21.623+/-7.585 χ^2/NDF:18.8/22

All: 14.539+/-5.302 χ^2/NDF: 41.8/43

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: 25.167+/-0.009 χ^2/NDF:4974.4/4

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

Left: 25.125+/-0.006 χ^2/NDF: 13121.2/9

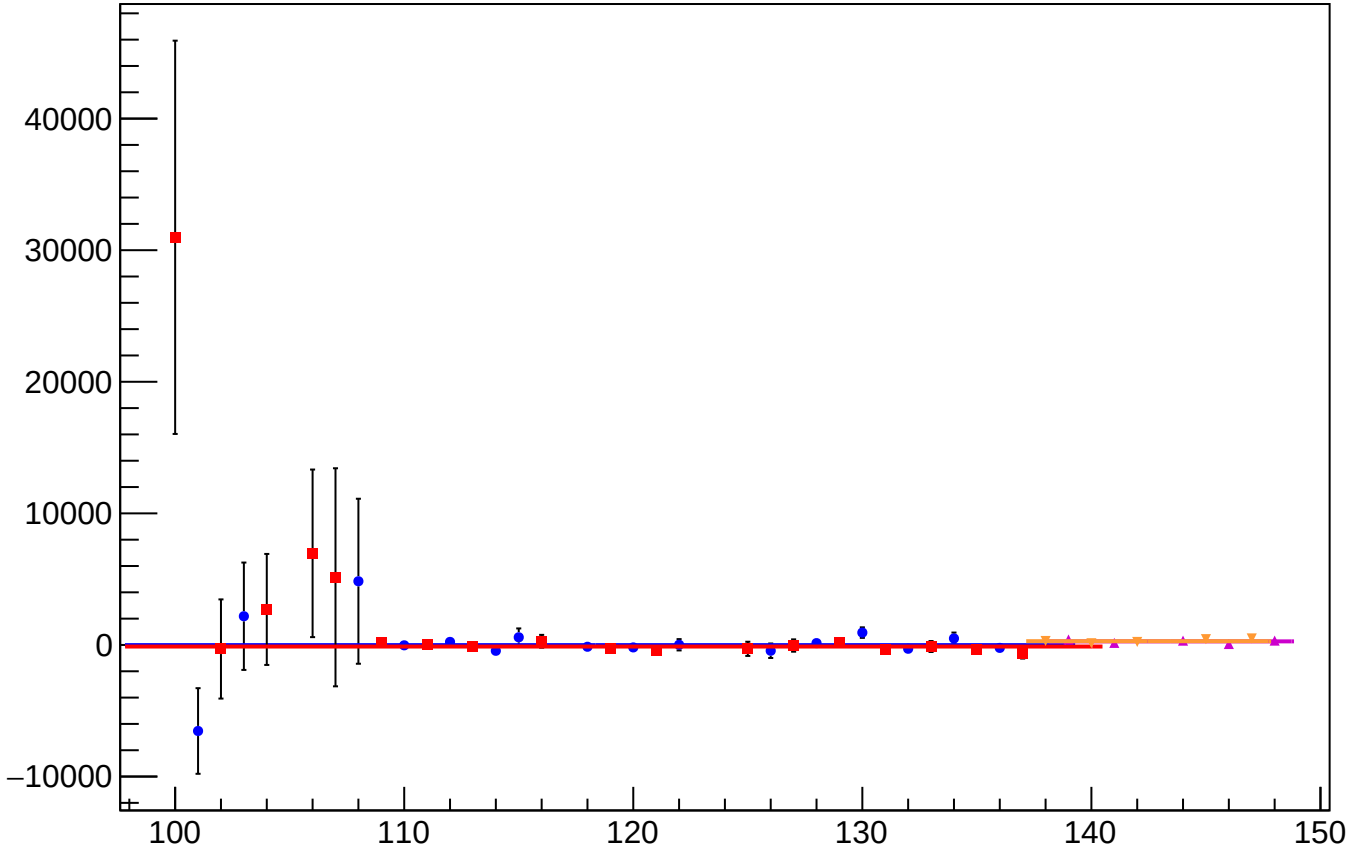
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.243+/-0.005 χ^2/NDF:22947.6/20

Out: 25.208+/-0.005 χ^2/NDF:20179.8/22

All: 25.226+/-0.004 χ^2/NDF: 43148.9/43

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: 286.524+/-131.960 χ^2/NDF:1.0/4

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 272.720+/-117.785 χ^2/NDF:1.1/4

Left: 278.841+/-87.873 χ^2/NDF: 2.1/9

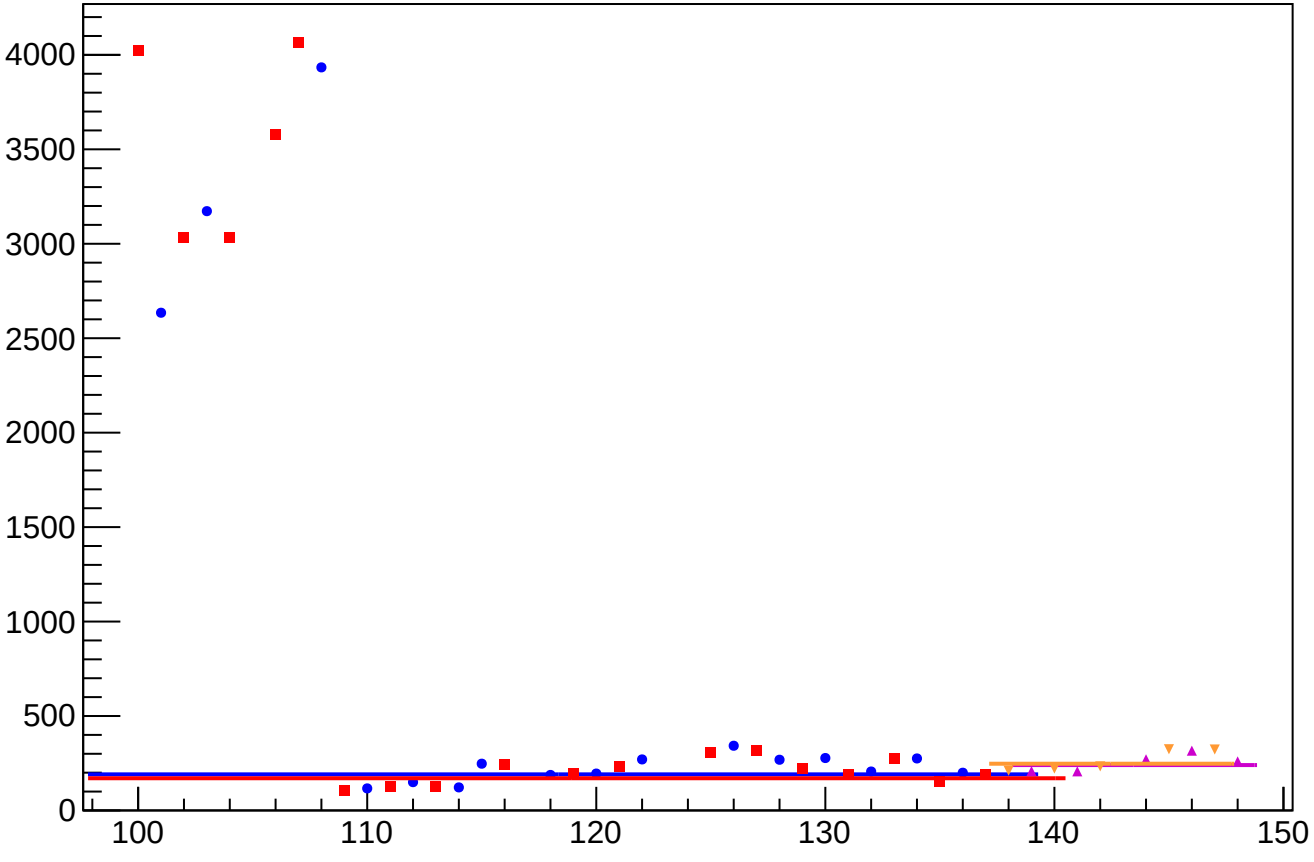
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 83.910+/-68.634 χ^2/NDF:23.3/20

Out: -14.236+/-67.305 χ^2/NDF:22.4/22

All: 33.877+/-48.055 χ^2/NDF: 46.7/43

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: 247.401+/-0.093 χ^2/NDF:252096.3/4

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

Left: 243.431+/-0.062 χ^2/NDF: 472872.9/9

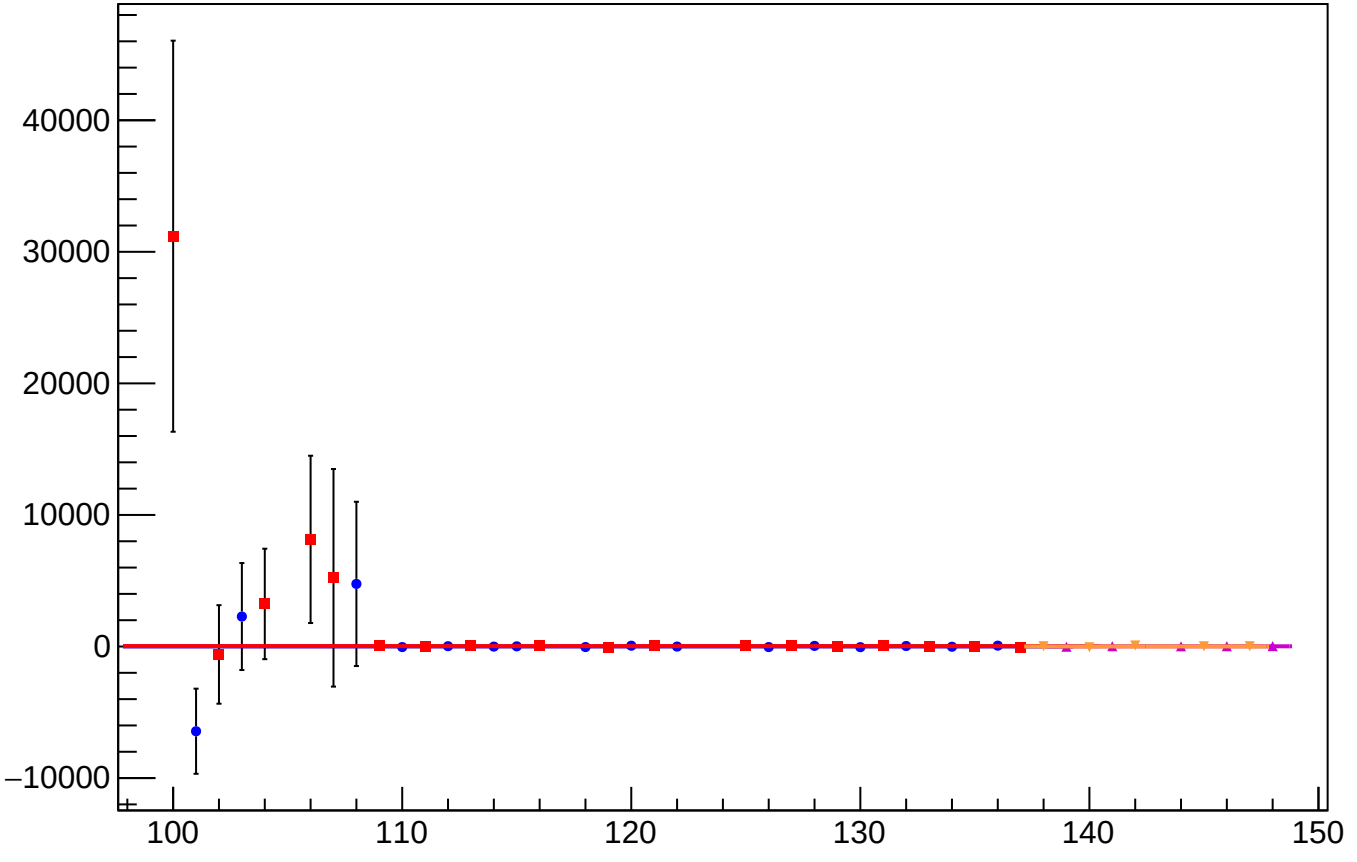
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 207.775+/-0.049 χ^2/NDF:4281931.7/20

Out: 190.500+/-0.048 χ^2/NDF:5009522.2/22

All: 198.969+/-0.034 χ^2/NDF: 9356043.6/43

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 7.022+/-15.172 χ^2/NDF:7.5/4

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 16.107+/-13.950 χ^2/NDF:1.4/4

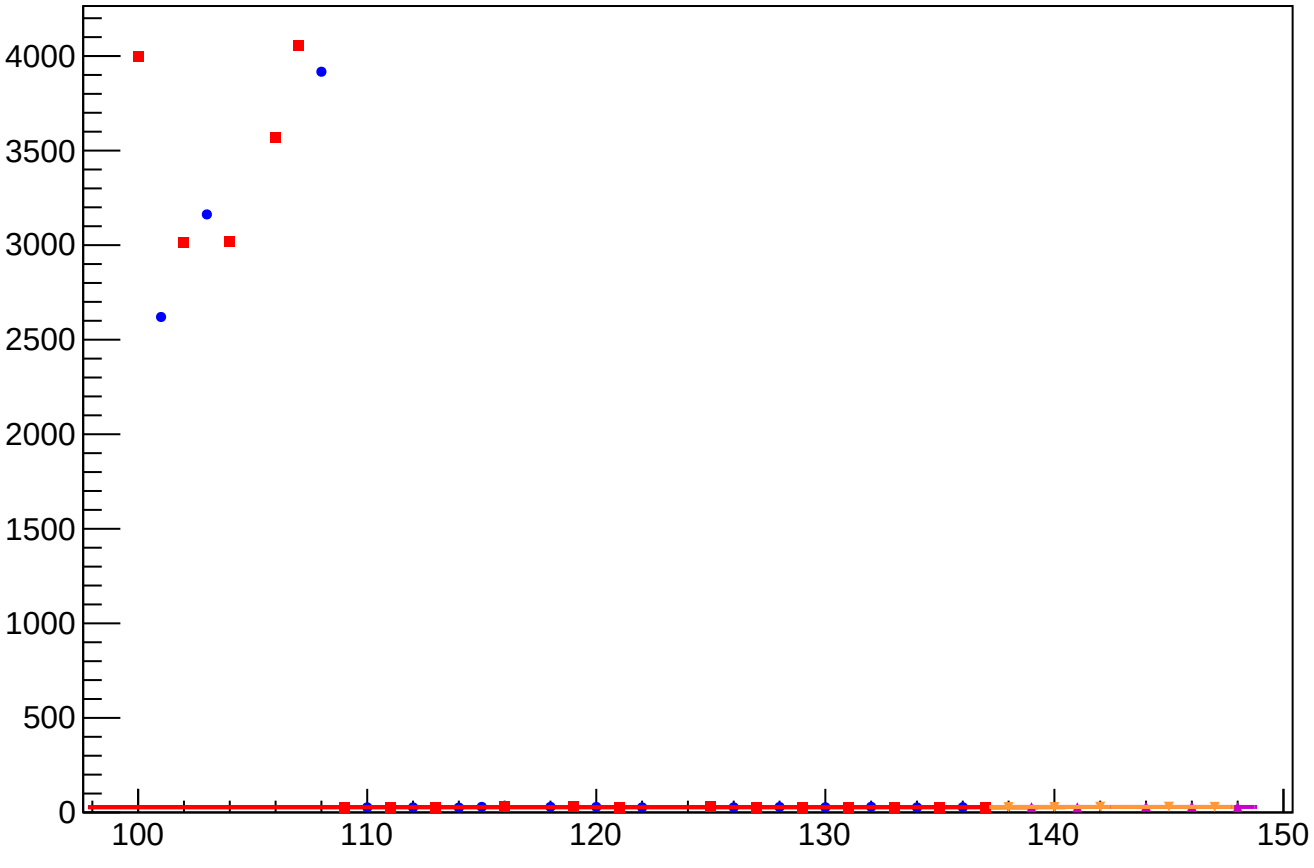
Left: 11.945+/-10.269 χ^2/NDF: 9.1/9

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 10.487+/-8.993 χ^2/NDF:20.0/20

Out: 21.535+/-9.452 χ^2/NDF:28.8/22

All: 15.736+/-6.515 χ^2/NDF: 49.6/43



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.092+/-0.011 χ^2/NDF:6905.6/4

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

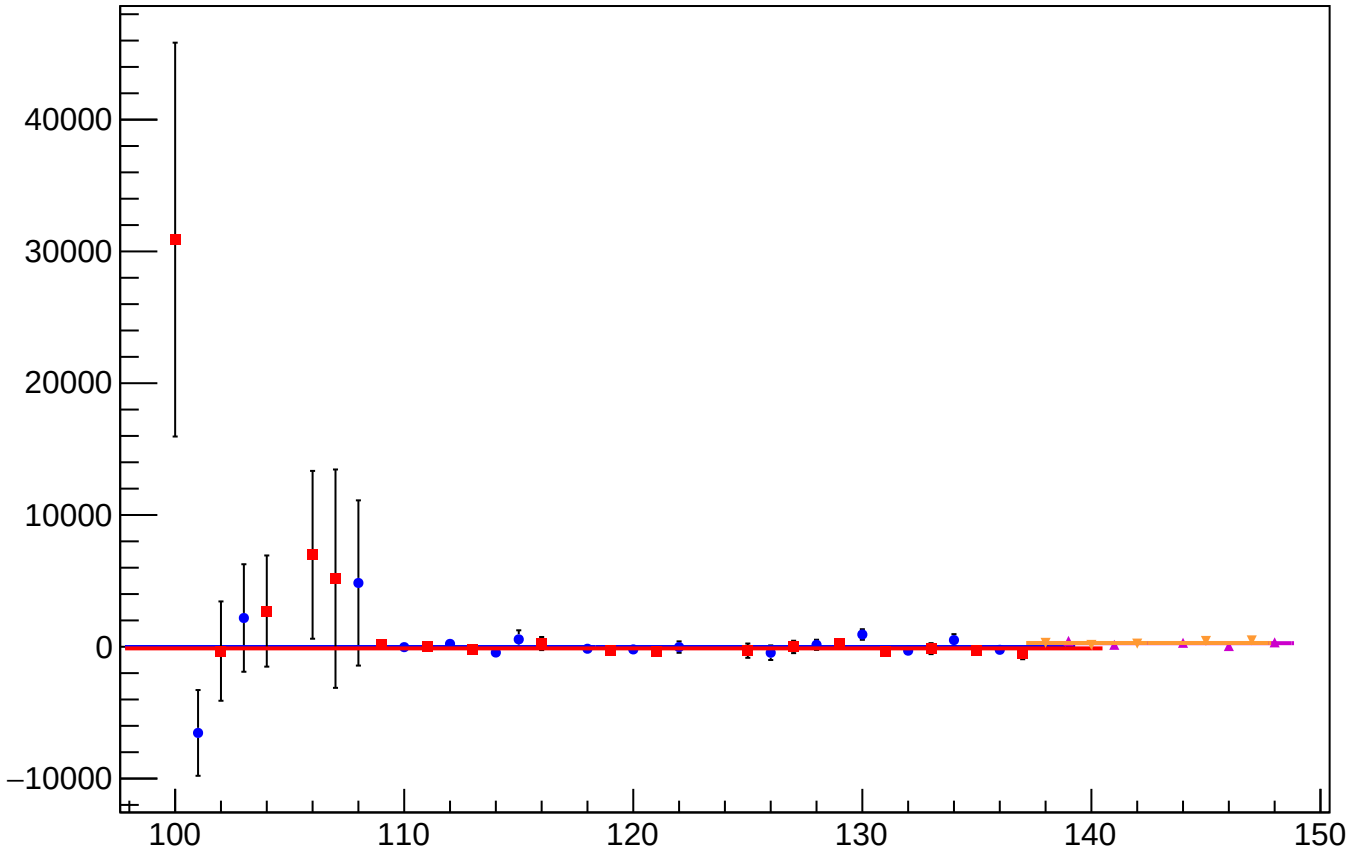
Left: 29.085+/-0.007 χ^2/NDF: 32625.4/9

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.346+/-0.006 χ^2/NDF:3301069.7/20

Out: 28.288+/-0.007 χ^2/NDF:3574482.1/22

All: 28.319+/-0.005 χ^2/NDF: 6875591.5/43



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 288.141+/-132.599 χ^2/NDF:0.9/4

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 272.689+/-118.366 χ^2/NDF:1.3/4

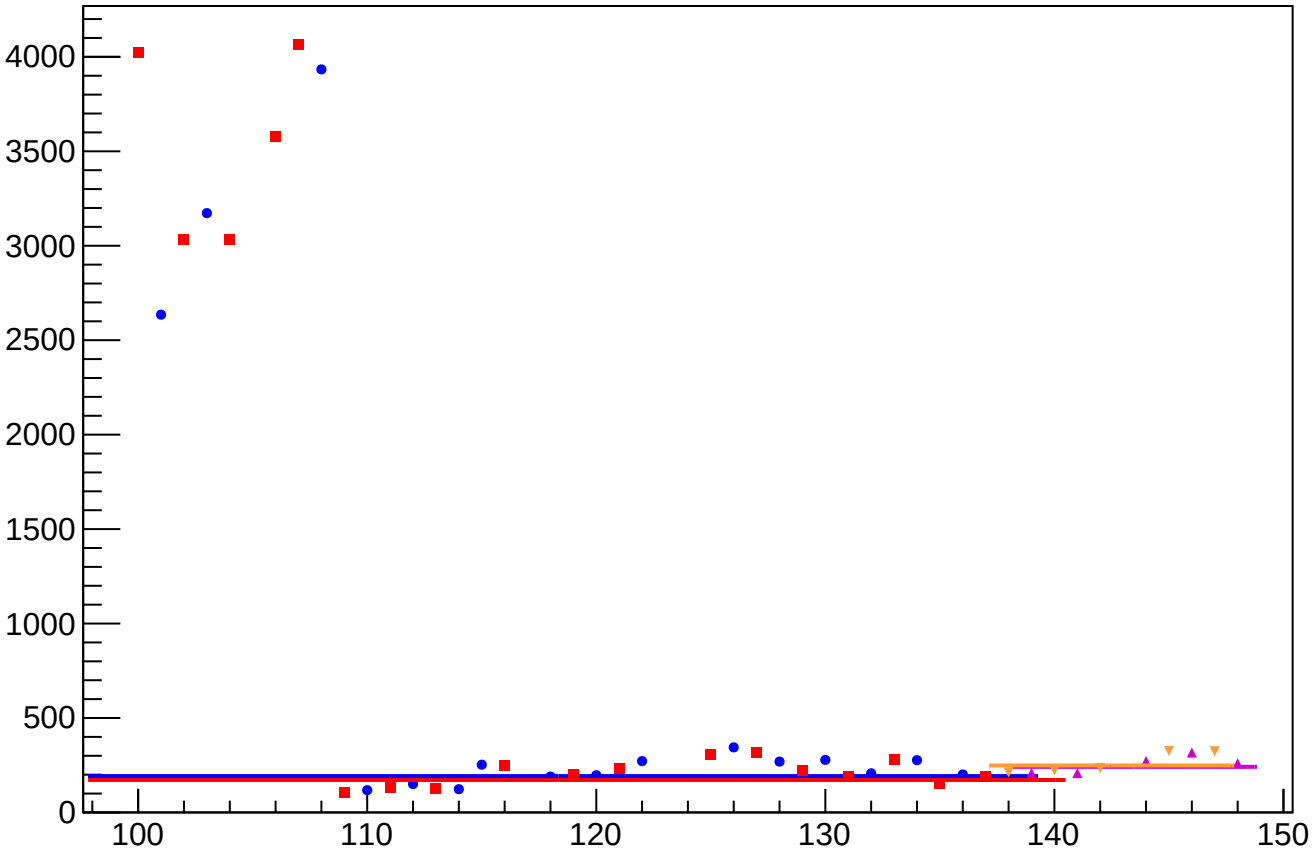
Left: 279.541+/-88.302 χ^2/NDF: 2.2/9

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 79.994+/-69.076 χ^2/NDF:23.5/20

Out: -14.533+/-67.769 χ^2/NDF:21.2/22

All: 31.828+/-48.375 χ^2/NDF: 45.6/43



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 248.626+/-0.094 χ^2/NDF:250698.3/4

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

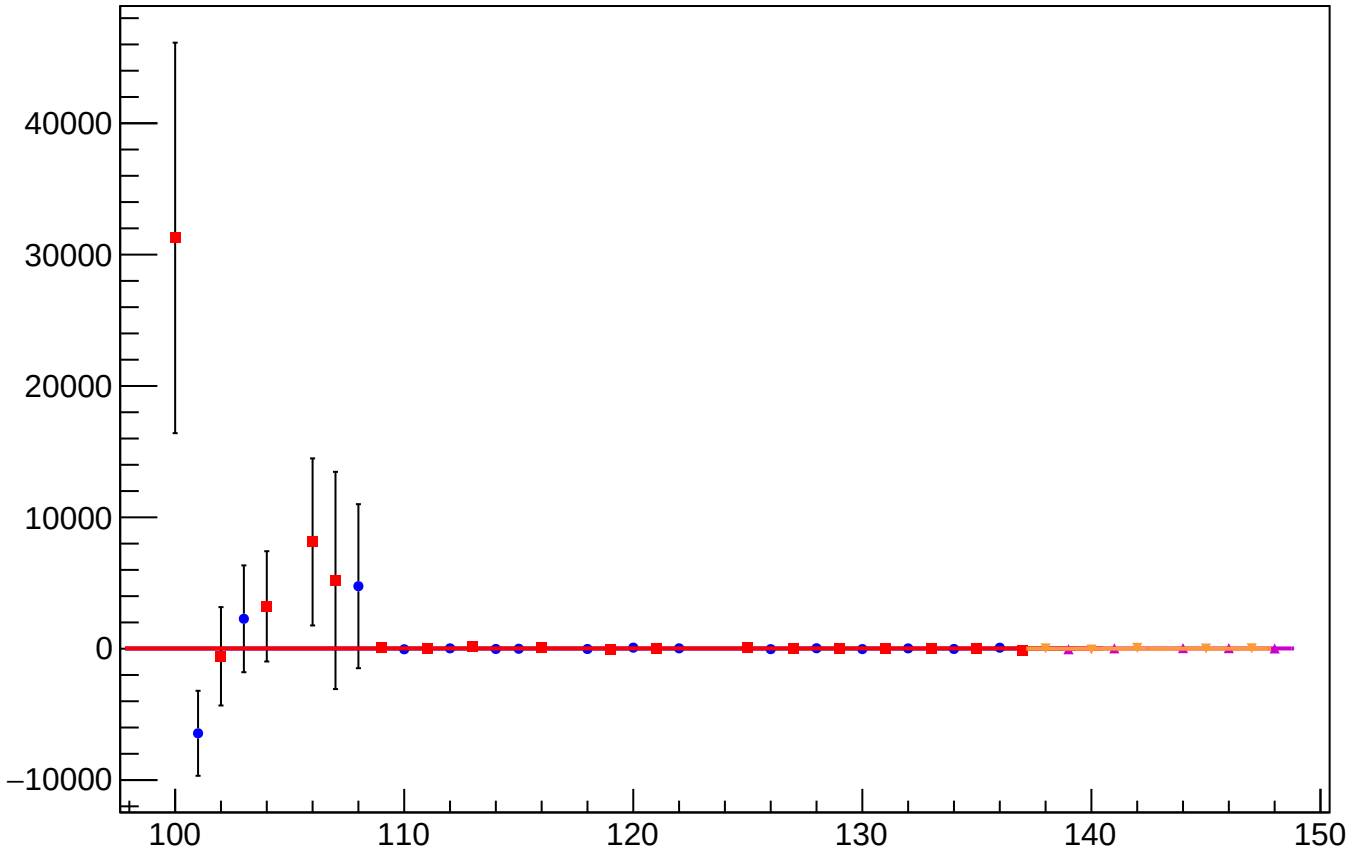
Left: 244.664+/-0.062 χ^2/NDF: 468529.1/9

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 209.229+/-0.049 χ^2/NDF:4262929.2/20

Out: 191.940+/-0.048 χ^2/NDF:4993239.7/22

All: 200.420+/-0.034 χ^2/NDF: 9320010.4/43



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 5.486+/-16.544 χ^2/NDF:6.7/4

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 18.669+/-15.161 χ^2/NDF:4.3/4

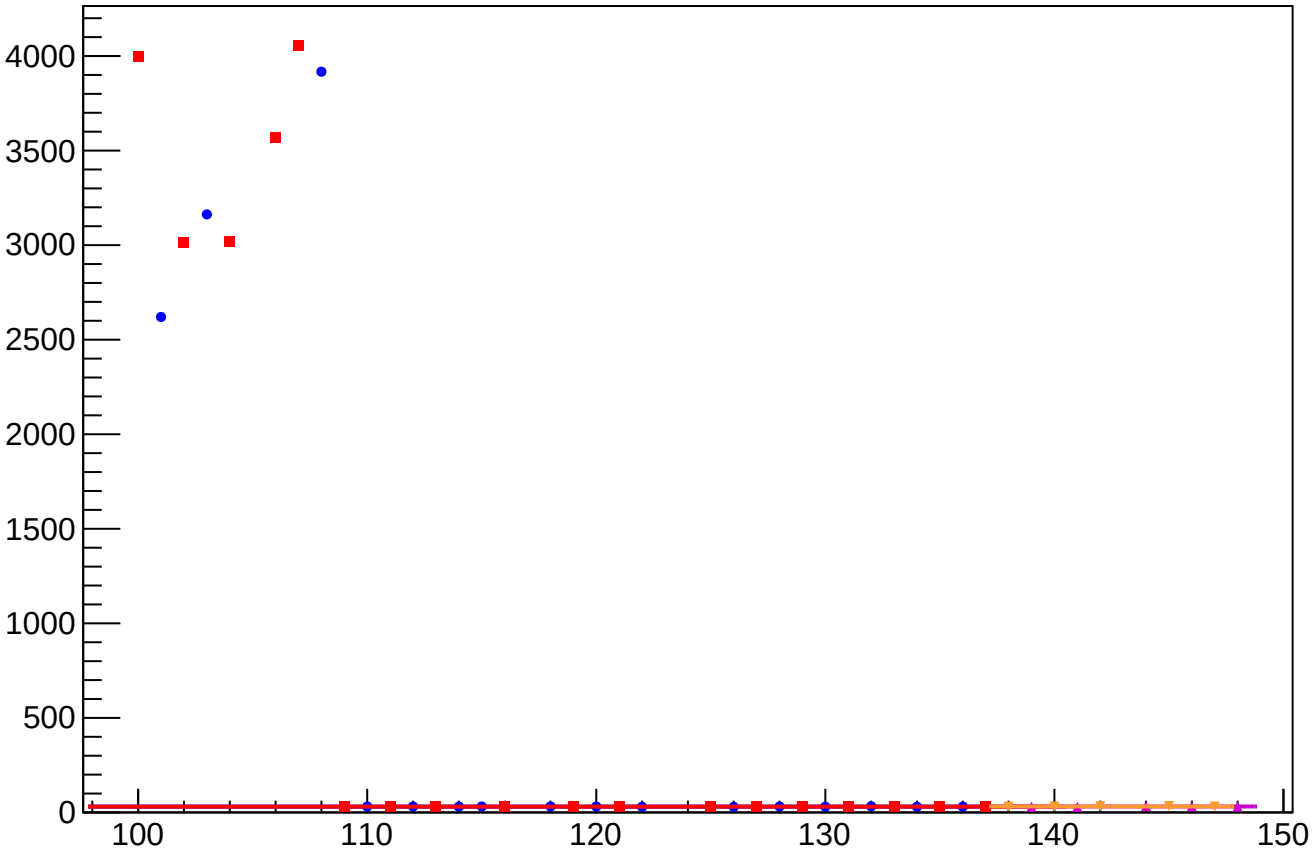
Left: 12.651+/-11.177 χ^2/NDF: 11.4/9

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 15.824+/-9.896 χ^2/NDF:19.8/20

Out: 15.412+/-10.405 χ^2/NDF:35.6/22

All: 15.628+/-7.171 χ^2/NDF: 55.5/43



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.738+/-0.012 χ^2/NDF:9277.7/4

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.634+/-0.011 χ^2/NDF:18538.4/4

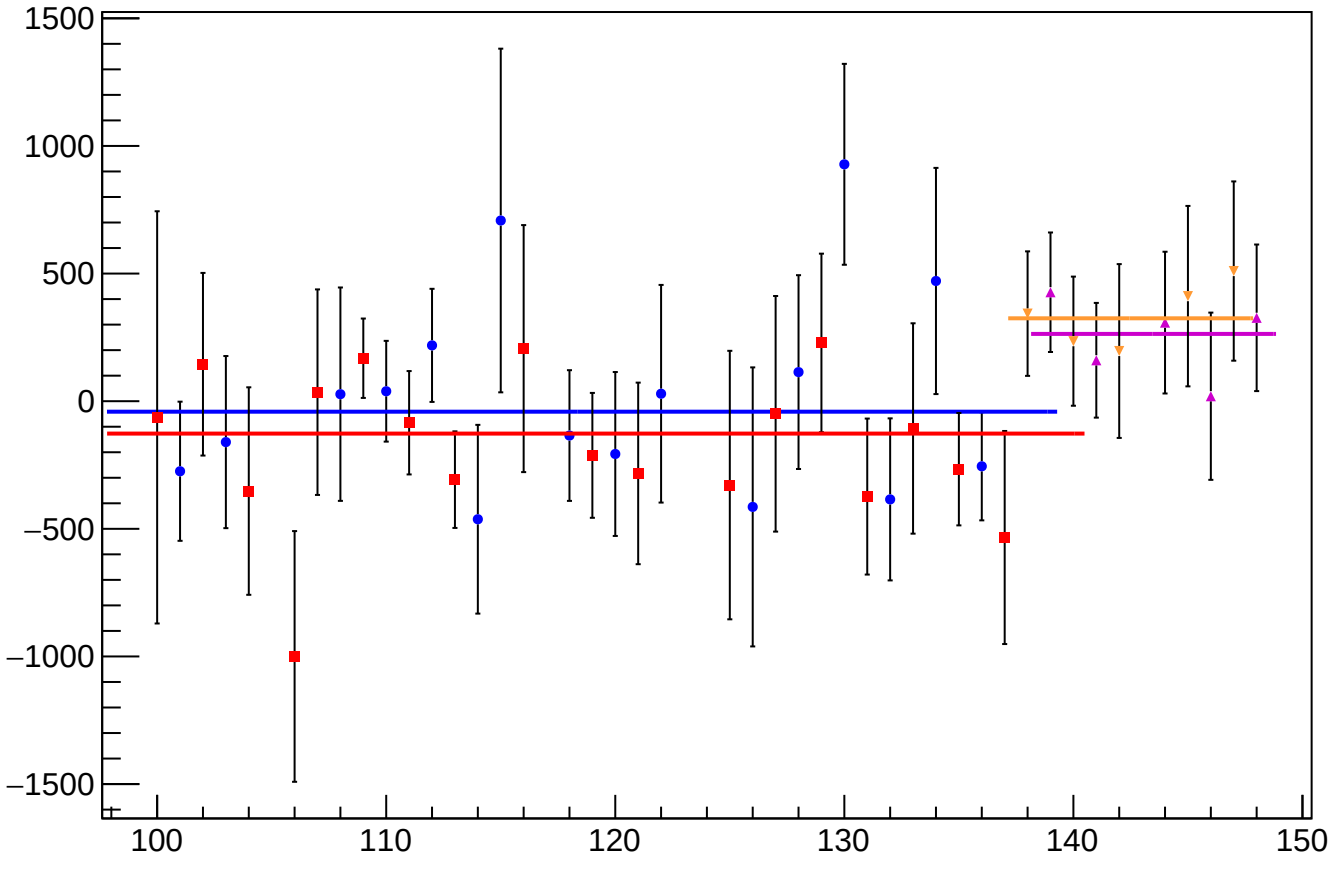
Left: 31.682+/-0.008 χ^2/NDF: 27858.4/9

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.229+/-0.007 χ^2/NDF:3273635.6/20

Out: 31.173+/-0.007 χ^2/NDF:3549086.9/22

All: 31.203+/-0.005 χ^2/NDF: 6822752.7/43



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 324.724+/-132.245 χ^2/NDF:0.6/4

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 263.580+/-117.468 χ^2/NDF:1.3/4

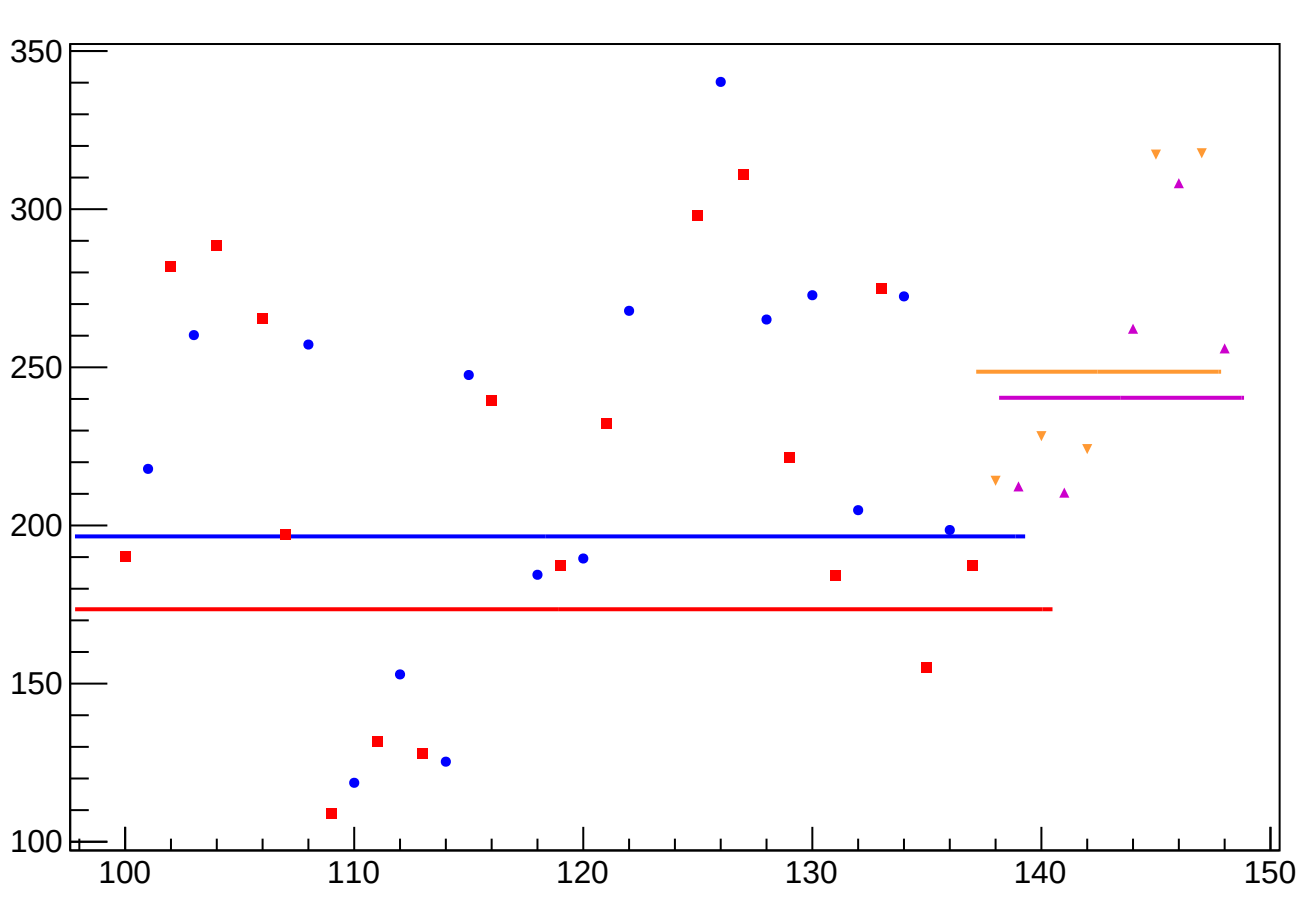
Left: 290.546+/-87.824 χ^2/NDF: 2.1/9

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 50.690+/-64.479 χ^2/NDF:21.6/20

Out: -29.416+/-61.440 χ^2/NDF:22.5/22

All: 8.705+/-44.480 χ^2/NDF: 45.0/43



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 248.615+/-0.094 χ^2/NDF:216084.5/4

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

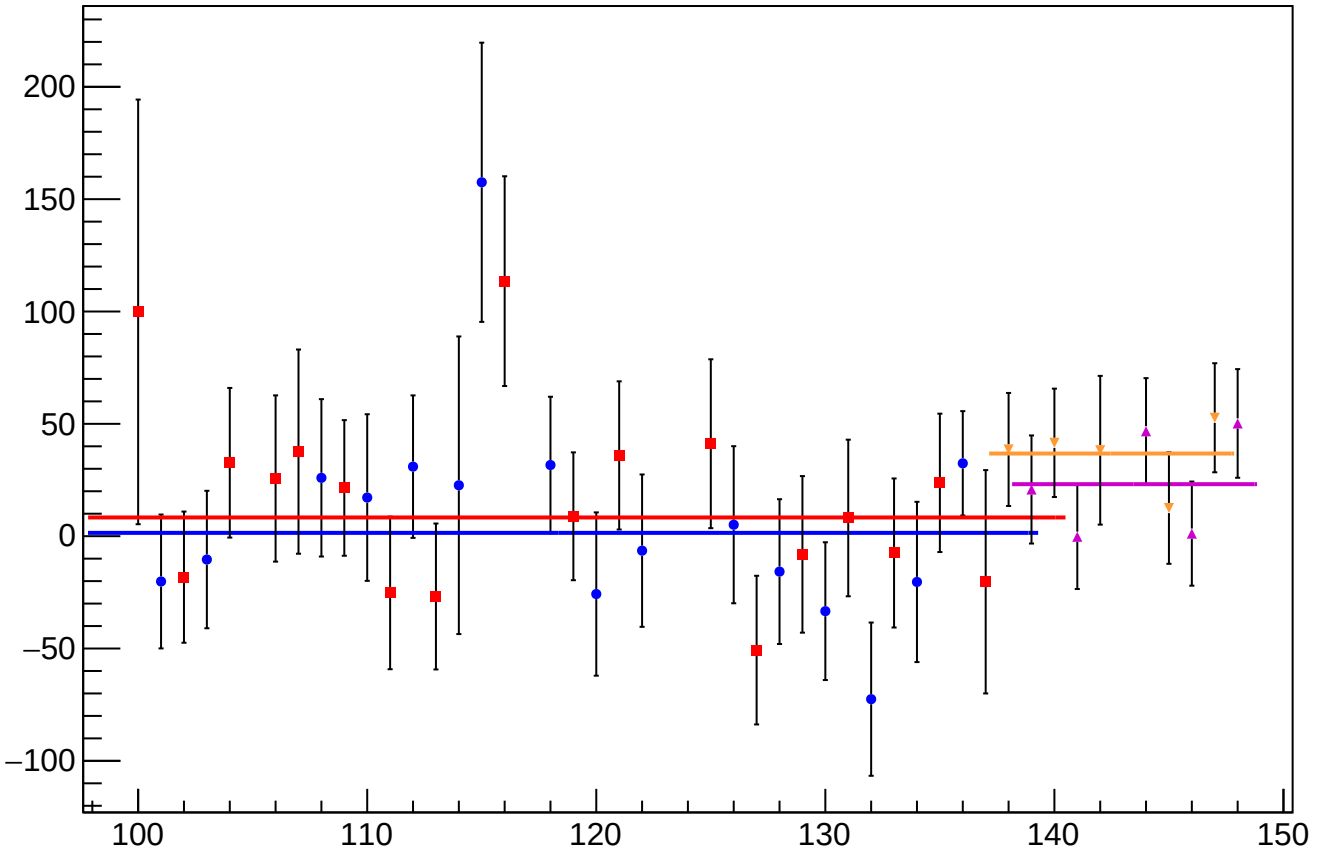
Left: 244.007+/-0.062 χ^2/NDF: 388772.9/9

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 209.748+/-0.046 χ^2/NDF:1363647.5/20

Out: 189.720+/-0.043 χ^2/NDF:2254650.0/22

All: 199.251+/-0.031 χ^2/NDF: 3719424.6/43



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 36.785+/-11.522 χ^2/NDF:1.4/4

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 23.144+/-10.578 χ^2/NDF:4.2/4

Left: 29.383+/-7.792 χ^2/NDF: 6.4/9

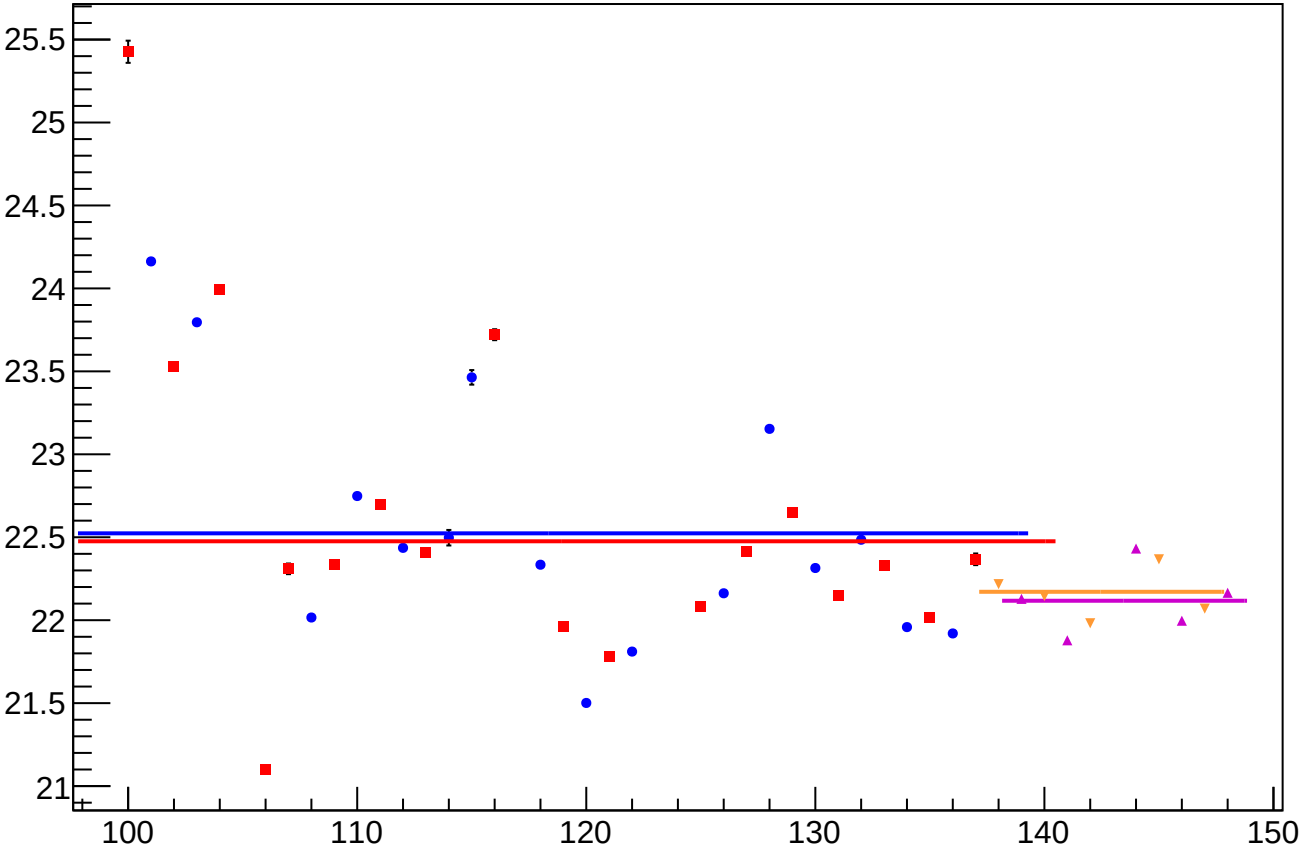
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 9.819+/-6.564 χ^2/NDF:25.4/20

Out: 18.028+/-6.727 χ^2/NDF:21.5/22

All: 13.823+/-4.698 χ^2/NDF: 47.7/43

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: 22.171+/-0.008 χ^2/NDF:234.2/4

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

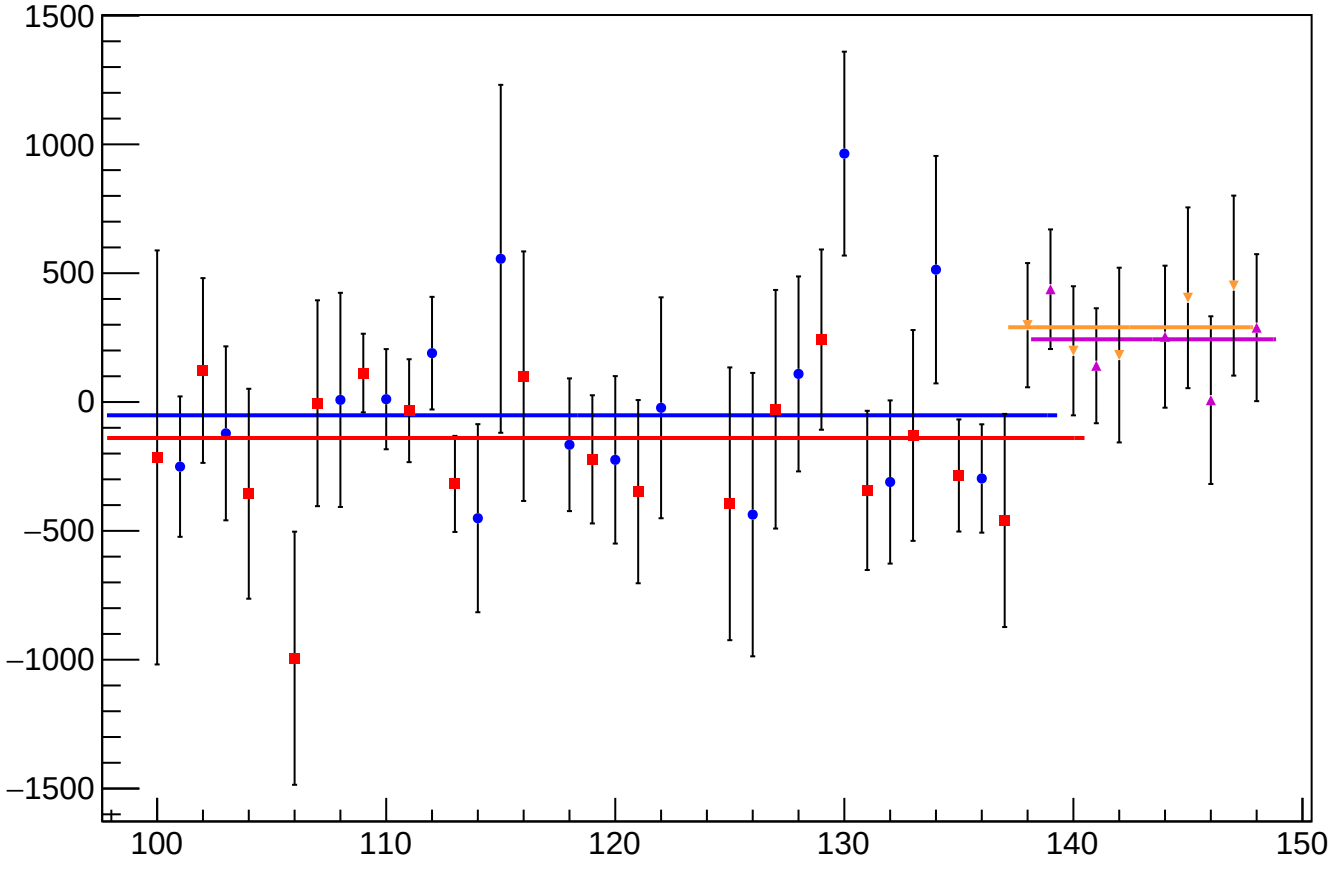
Left: 22.142+/-0.006 χ^2/NDF: 884.4/9

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.367+/-0.005 χ^2/NDF:18389.0/20

Out: 22.372+/-0.005 χ^2/NDF:16691.2/22

All: 22.369+/-0.003 χ^2/NDF: 35080.8/43



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 290.186+/-131.121 χ^2/NDF:0.6/4

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 243.494+/-116.604 χ^2/NDF:1.5/4

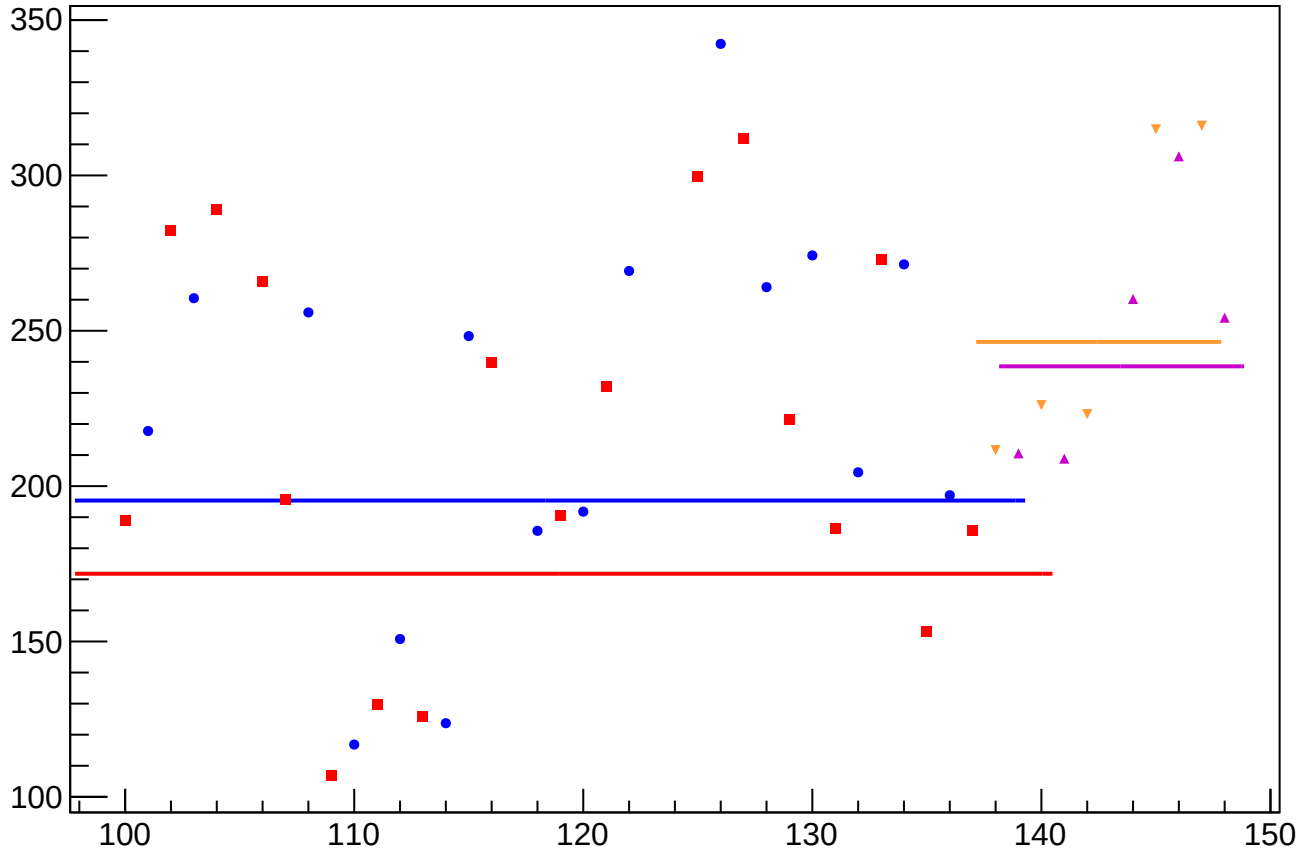
Left: 264.113+/-87.134 χ^2/NDF: 2.1/9

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 37.754+/-64.137 χ^2/NDF:21.3/20

Out: -46.588+/-60.984 χ^2/NDF:20.5/22

All: -6.541+/-44.195 χ^2/NDF: 42.7/43



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 246.416+/-0.093 χ^2/NDF:219771.8/4

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

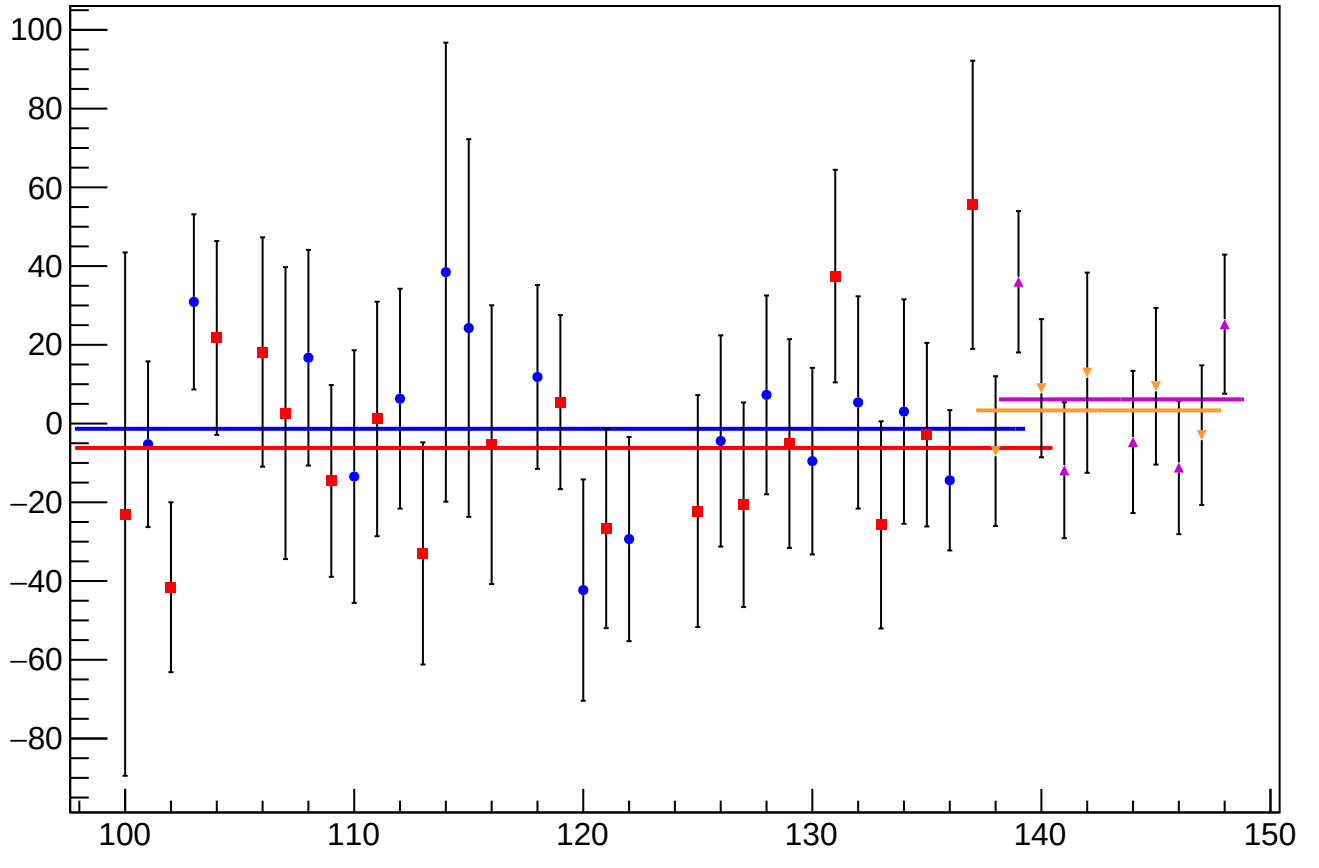
Left: 242.027+/-0.062 χ^2/NDF: 392994.6/9

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 208.429+/-0.045 χ^2/NDF:1402056.3/20

Out: 187.945+/-0.043 χ^2/NDF:2327937.9/22

All: 197.671+/-0.031 χ^2/NDF: 3837140.9/43



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.343+/-8.683 χ^2/NDF:0.8/4

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 6.150+/-7.855 χ^2/NDF:6.4/4

Left: 4.887+/-5.825 χ^2/NDF: 7.2/9

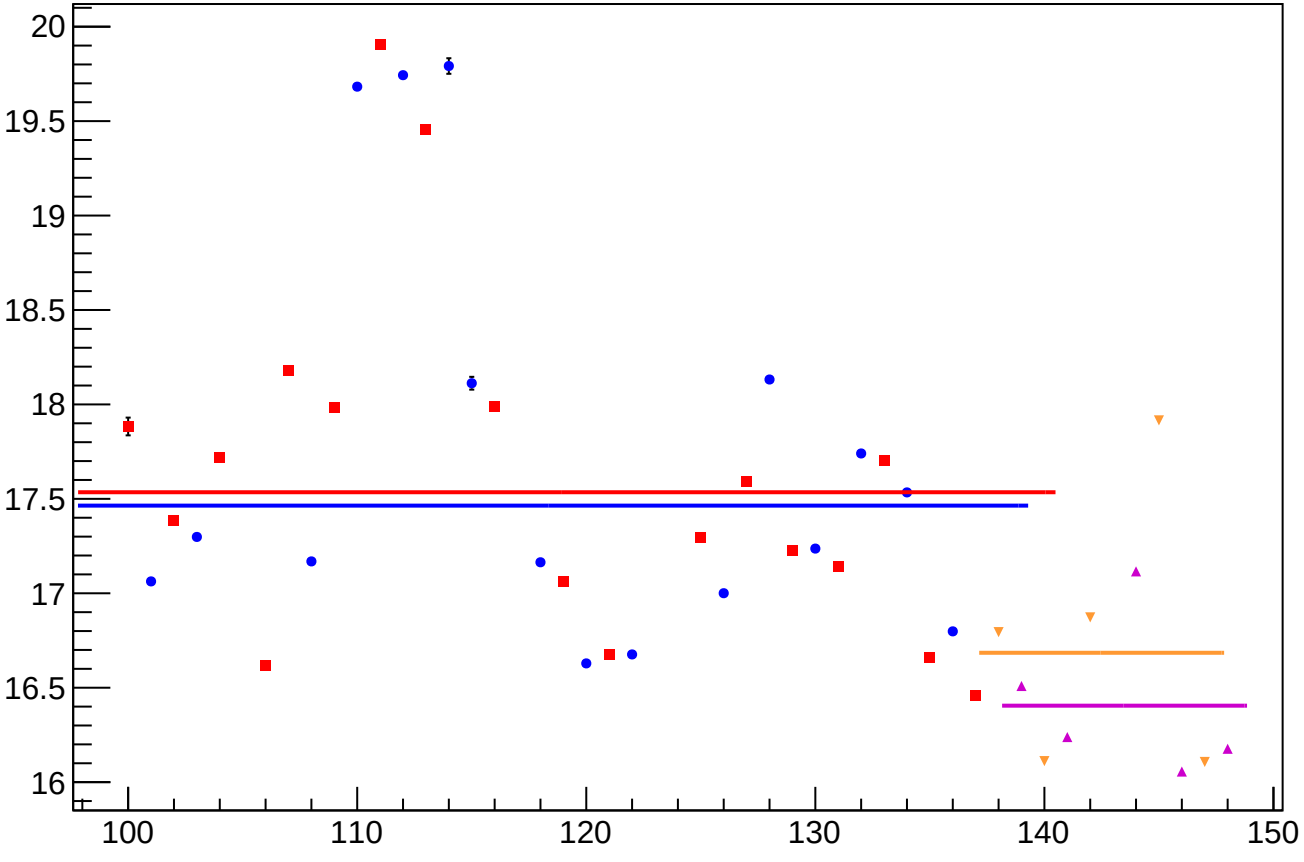
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.709+/-5.007 χ^2/NDF:15.0/20

Out: -2.788+/-5.189 χ^2/NDF:15.0/22

All: -0.459+/-3.603 χ^2/NDF: 30.4/43

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: 16.685+/-0.006 χ^2/NDF:12087.7/4

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

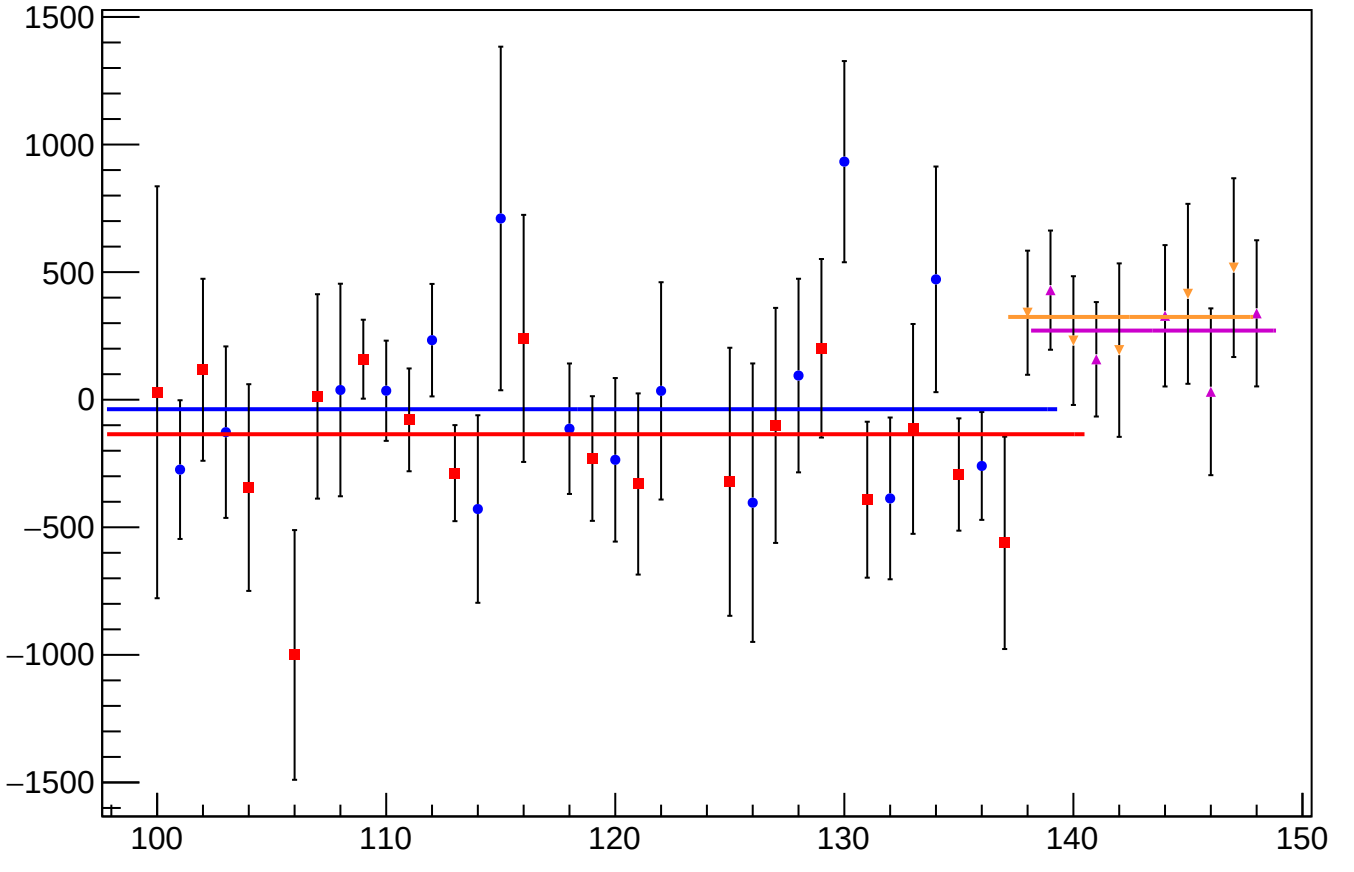
Left: 16.531+/-0.004 χ^2/NDF: 17765.5/9

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.034+/-0.004 χ^2/NDF:62774.6/20

Out: 17.231+/-0.004 χ^2/NDF:58882.9/22

All: 17.129+/-0.003 χ^2/NDF: 123159.6/43



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 324.375+/-131.927 χ^2/NDF:0.7/4

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 270.929+/-117.209 χ^2/NDF:1.3/4

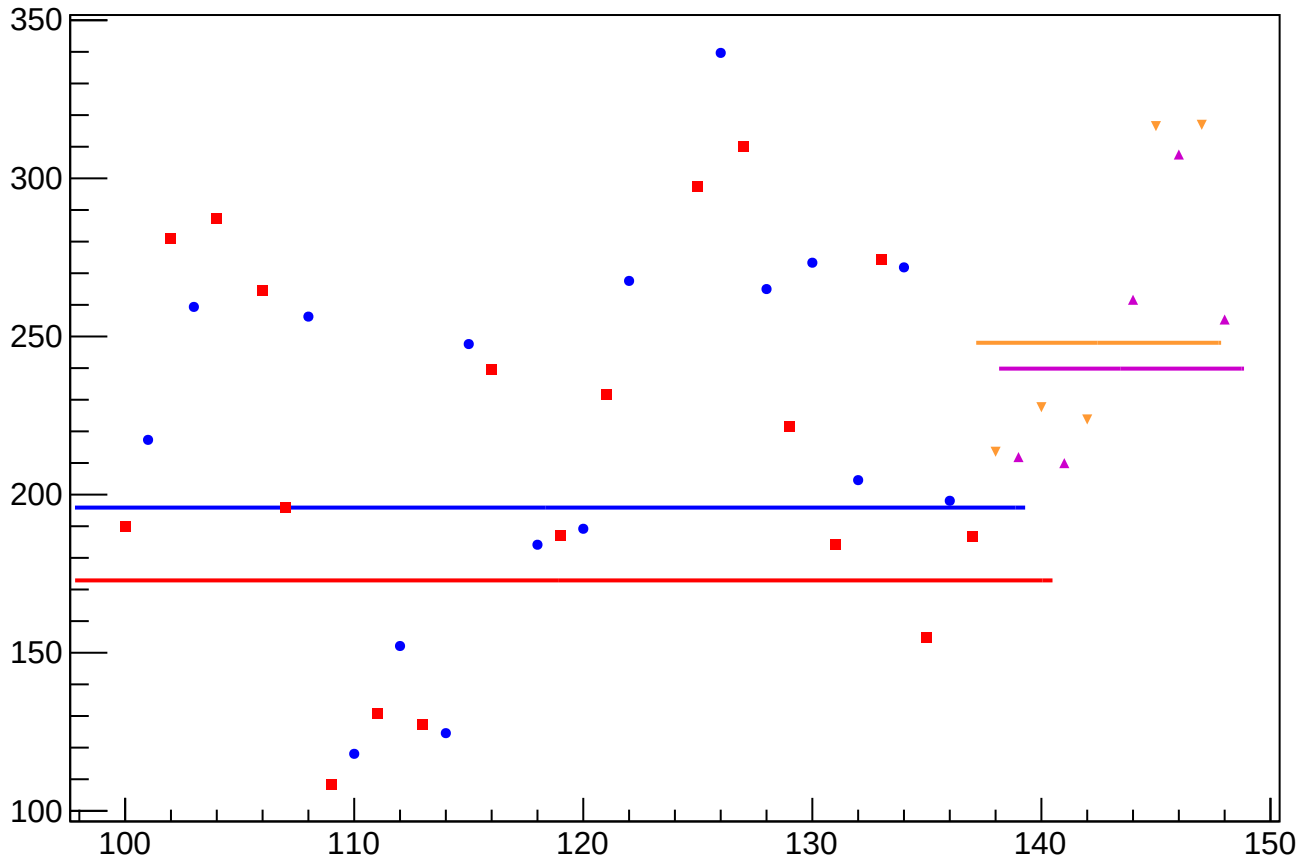
Left: 294.505+/-87.622 χ^2/NDF: 2.1/9

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 55.520+/-64.305 χ^2/NDF:21.8/20

Out: -36.195+/-61.252 χ^2/NDF:23.0/22

All: 7.433+/-44.352 χ^2/NDF: 45.9/43



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 248.013+/-0.093 χ^2/NDF:216229.4/4

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

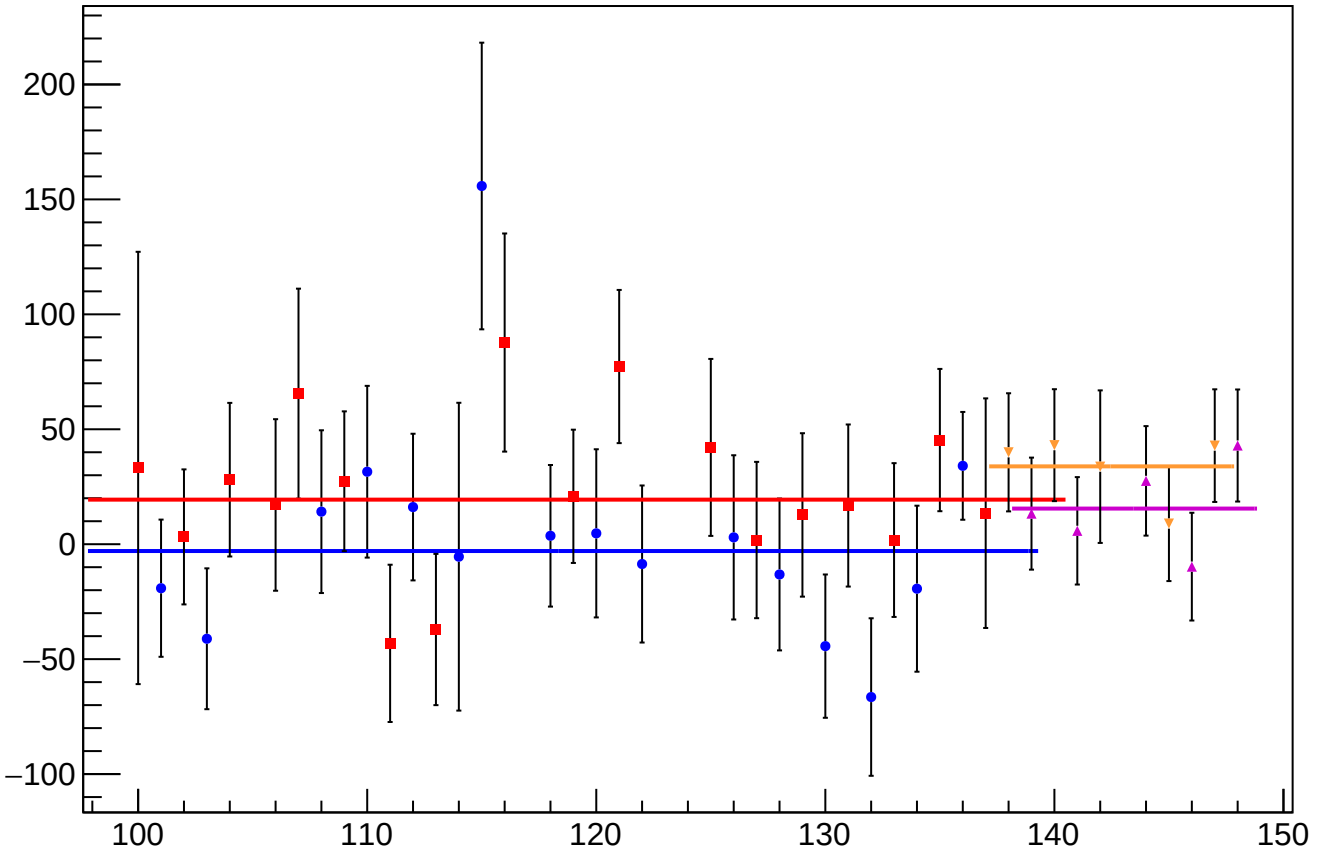
Left: 243.445+/-0.062 χ^2/NDF: 388739.9/9

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 209.126+/-0.045 χ^2/NDF:1375704.5/20

Out: 189.070+/-0.043 χ^2/NDF:2268430.5/22

All: 198.611+/-0.031 χ^2/NDF: 3746133.0/43



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 33.858+/-11.646 χ^2/NDF:1.3/4

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 15.499+/-10.671 χ^2/NDF:2.9/4

Left: 23.878+/-7.867 χ^2/NDF: 5.5/9

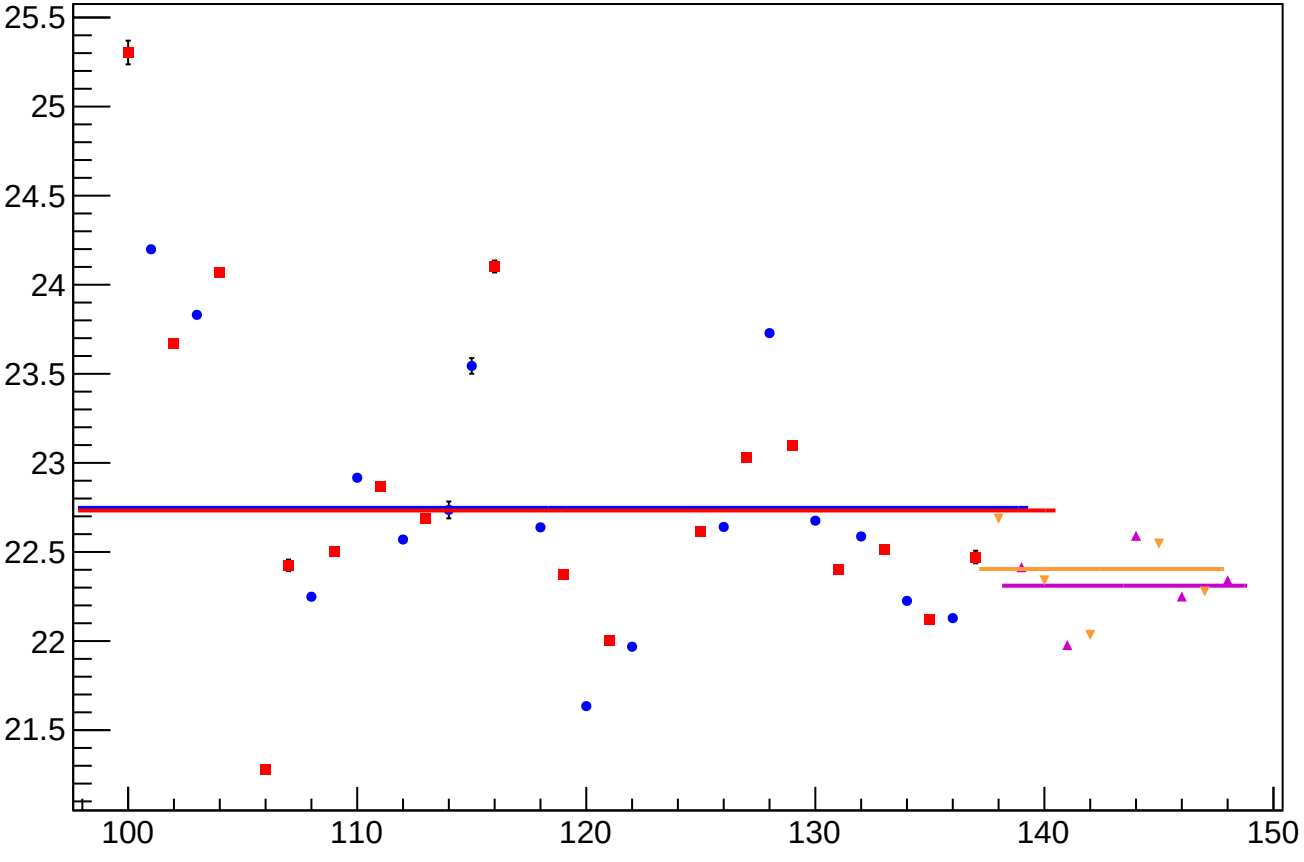
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.154+/-6.626 χ^2/NDF:22.6/20

Out: 24.325+/-6.803 χ^2/NDF:16.9/22

All: 13.975+/-4.747 χ^2/NDF: 44.0/43

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: 22.404+/-0.008 χ^2/NDF:621.6/4

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

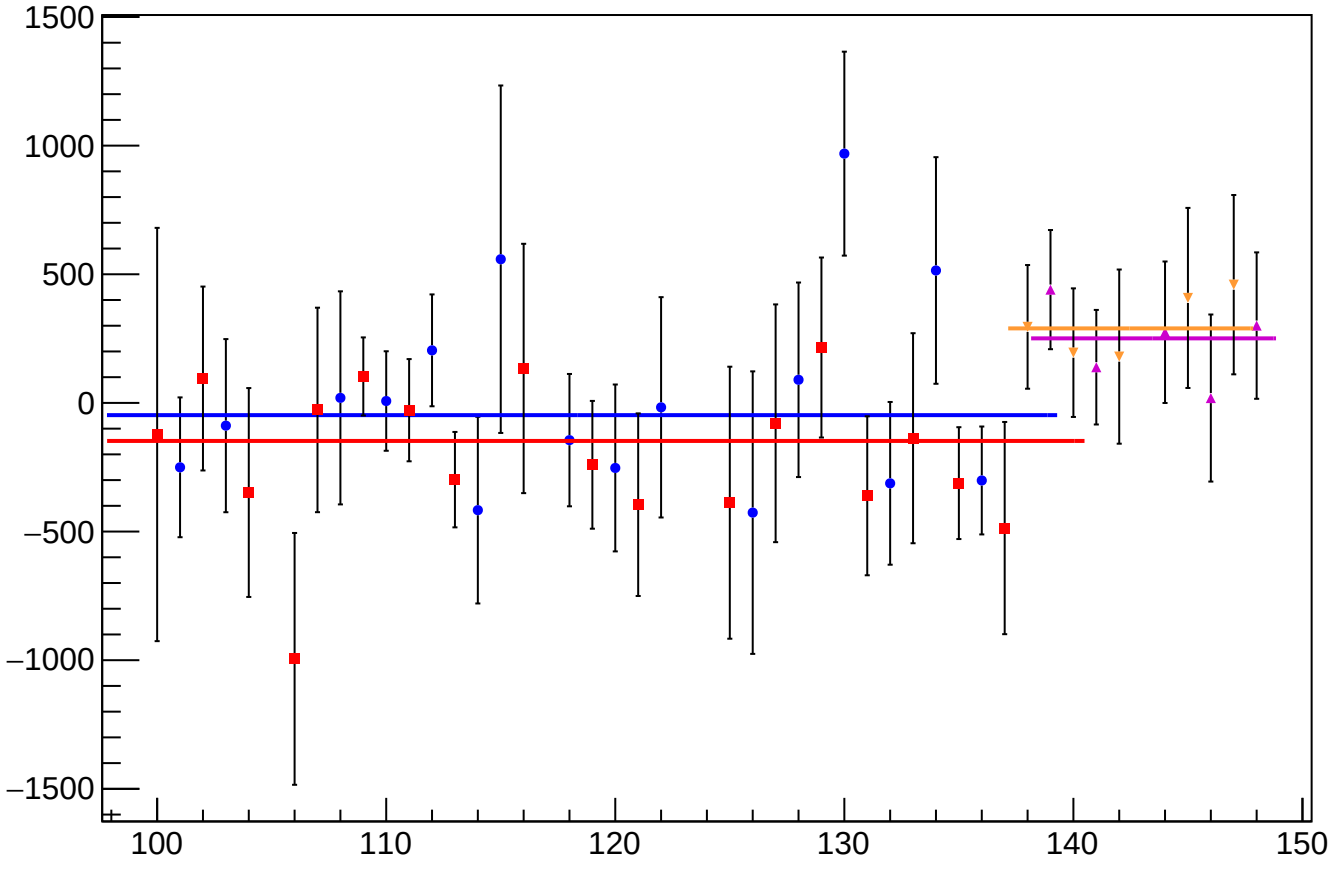
Left: 22.354+/-0.006 χ^2/NDF: 1428.3/9

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.579+/-0.005 χ^2/NDF:17416.9/20

Out: 22.621+/-0.005 χ^2/NDF:16059.6/22

All: 22.599+/-0.003 χ^2/NDF: 33515.2/43



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 289.630+/-130.802 χ^2/NDF:0.6/4

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 250.863+/-116.343 χ^2/NDF:1.5/4

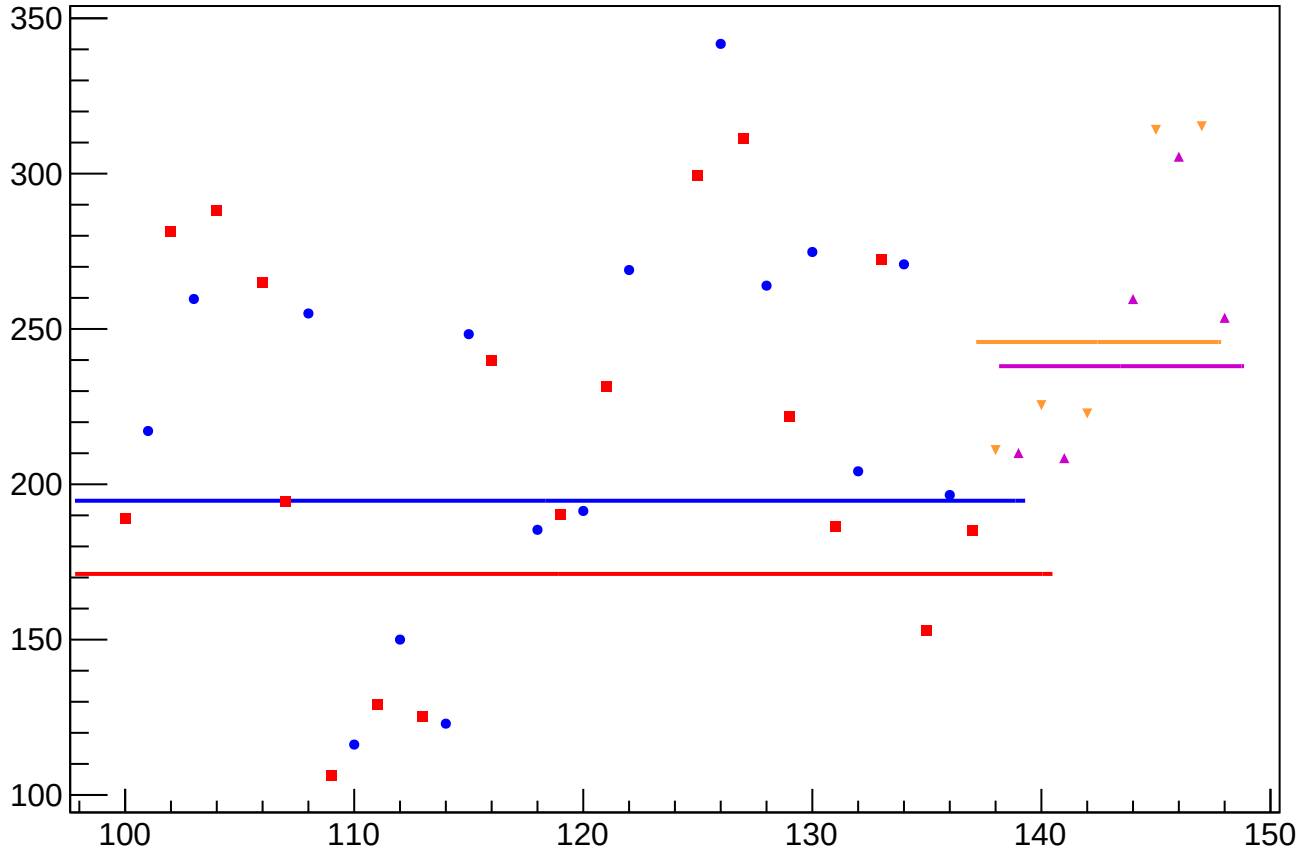
Left: 267.986+/-86.931 χ^2/NDF: 2.1/9

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 42.661+/-63.961 χ^2/NDF:21.5/20

Out: -53.318+/-60.793 χ^2/NDF:20.9/22

All: -7.764+/-44.065 χ^2/NDF: 43.5/43



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 245.813+/-0.092 χ^2/NDF:219936.3/4

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

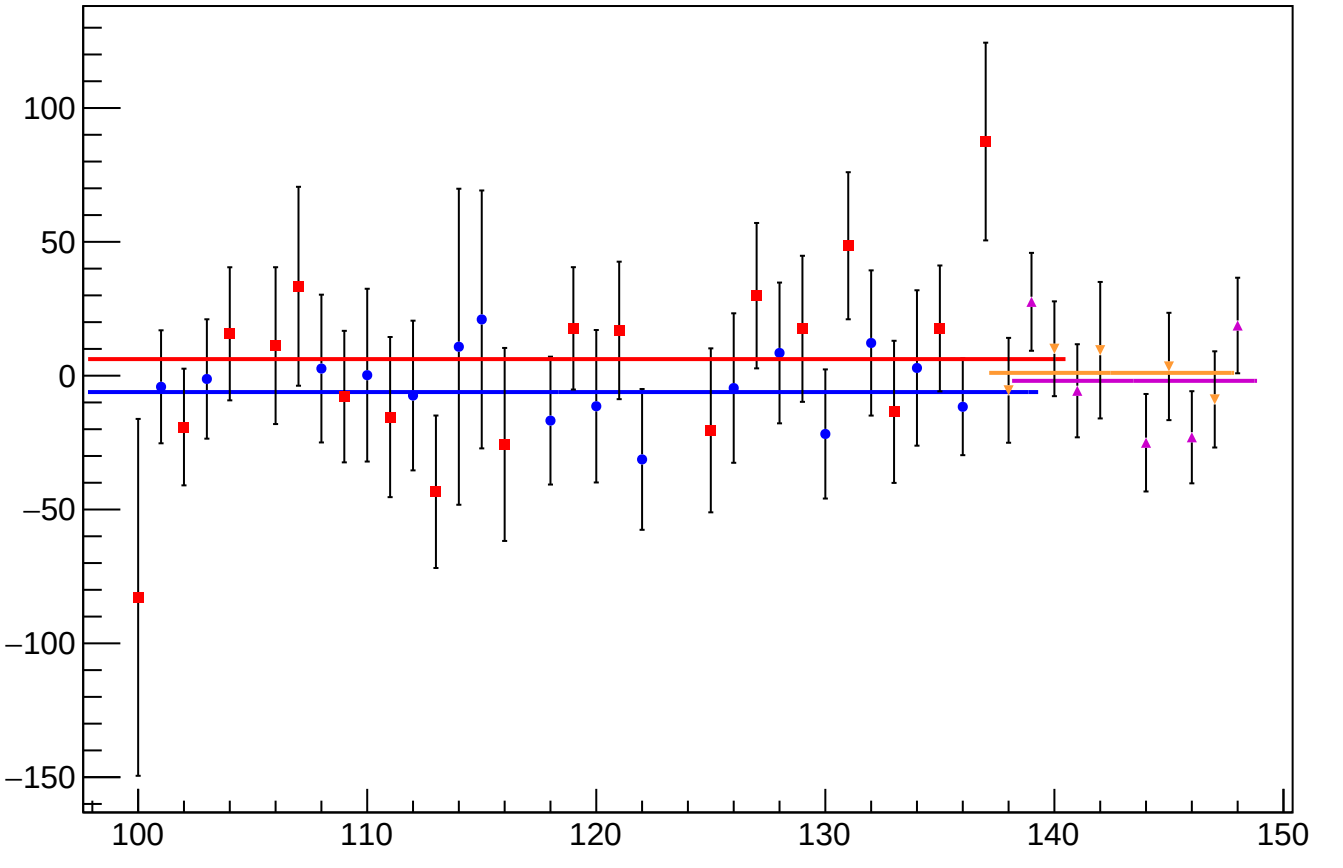
Left: 241.463+/-0.061 χ^2/NDF: 392996.1/9

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 207.799+/-0.045 χ^2/NDF:1414802.5/20

Out: 187.283+/-0.043 χ^2/NDF:2342670.7/22

All: 197.020+/-0.031 χ^2/NDF: 3865576.2/43



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.052+/-8.800 χ^2/NDF:0.8/4

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -1.928+/-7.949 χ^2/NDF:7.1/4

Left: -0.589+/-5.899 χ^2/NDF: 8.0/9

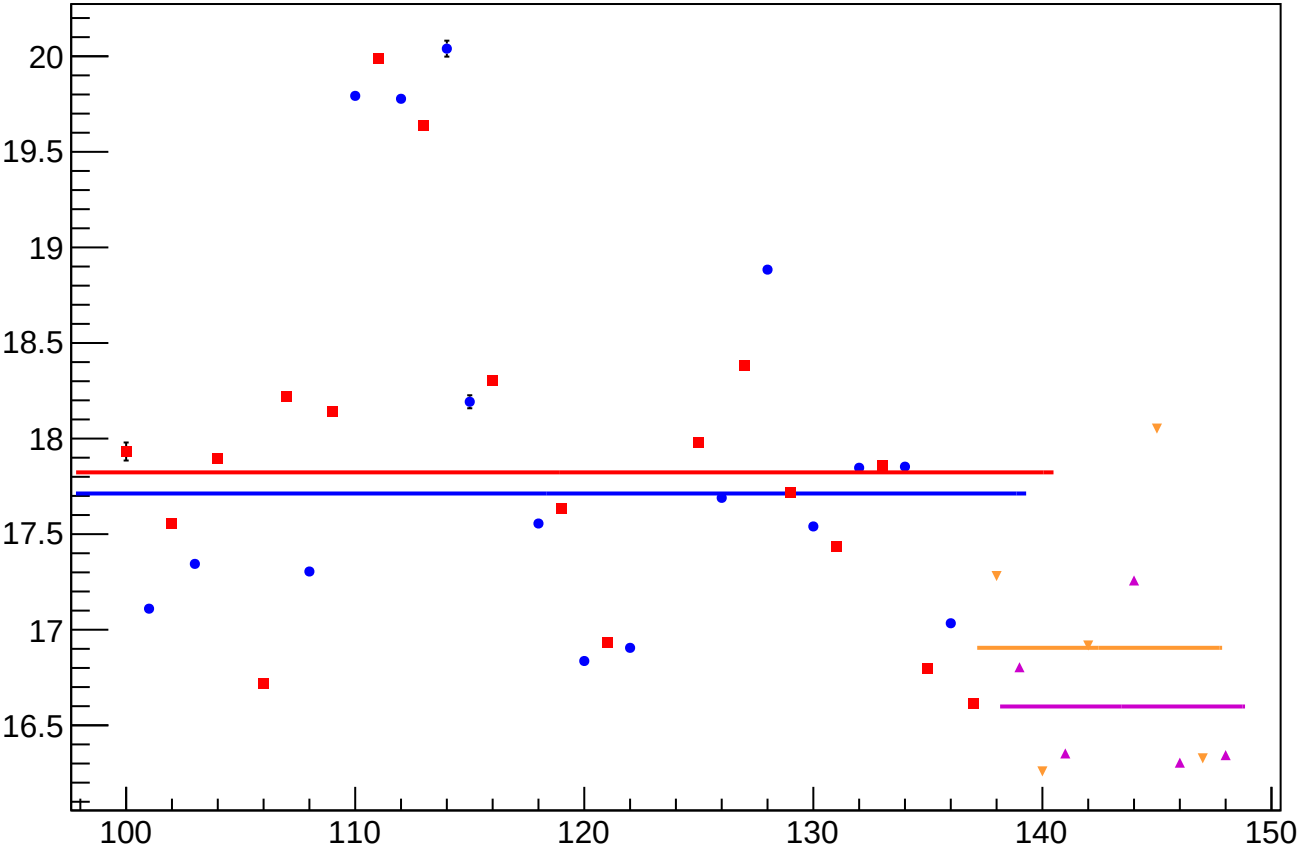
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -4.411+/-5.074 χ^2/NDF:10.4/20

Out: 4.350+/-5.270 χ^2/NDF:19.6/22

All: -0.196+/-3.655 χ^2/NDF: 31.5/43

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: 16.905+/-0.006 χ^2/NDF:12012.1/4

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

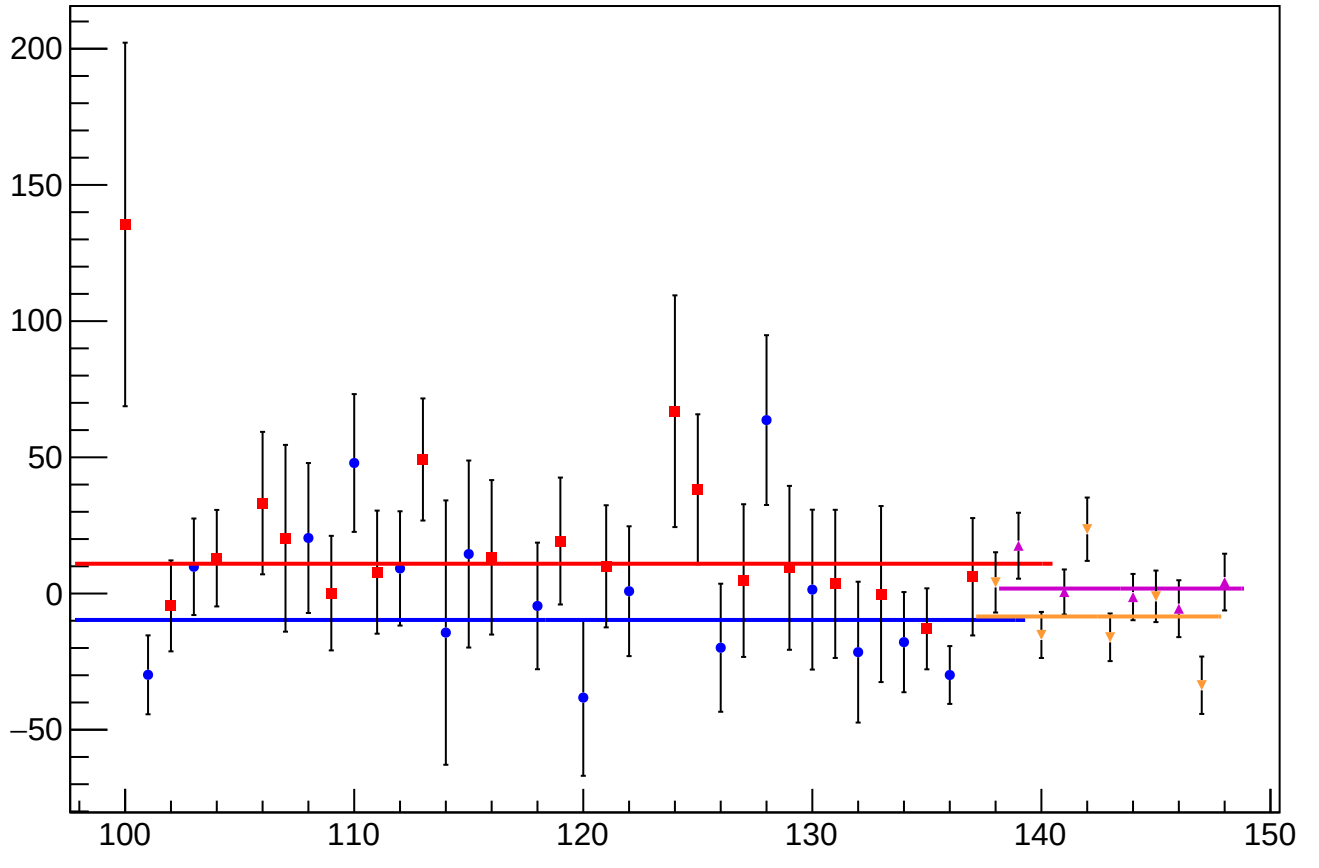
Left: 16.736+/-0.004 χ^2/NDF: 17613.7/9

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.259+/-0.004 χ^2/NDF:63527.6/20

Out: 17.494+/-0.004 χ^2/NDF:58469.3/22

All: 17.372+/-0.003 χ^2/NDF: 124067.9/43



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -8.430+/-3.989 χ^2/NDF:16.6/5

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.821+/-4.316 χ^2/NDF:2.4/4

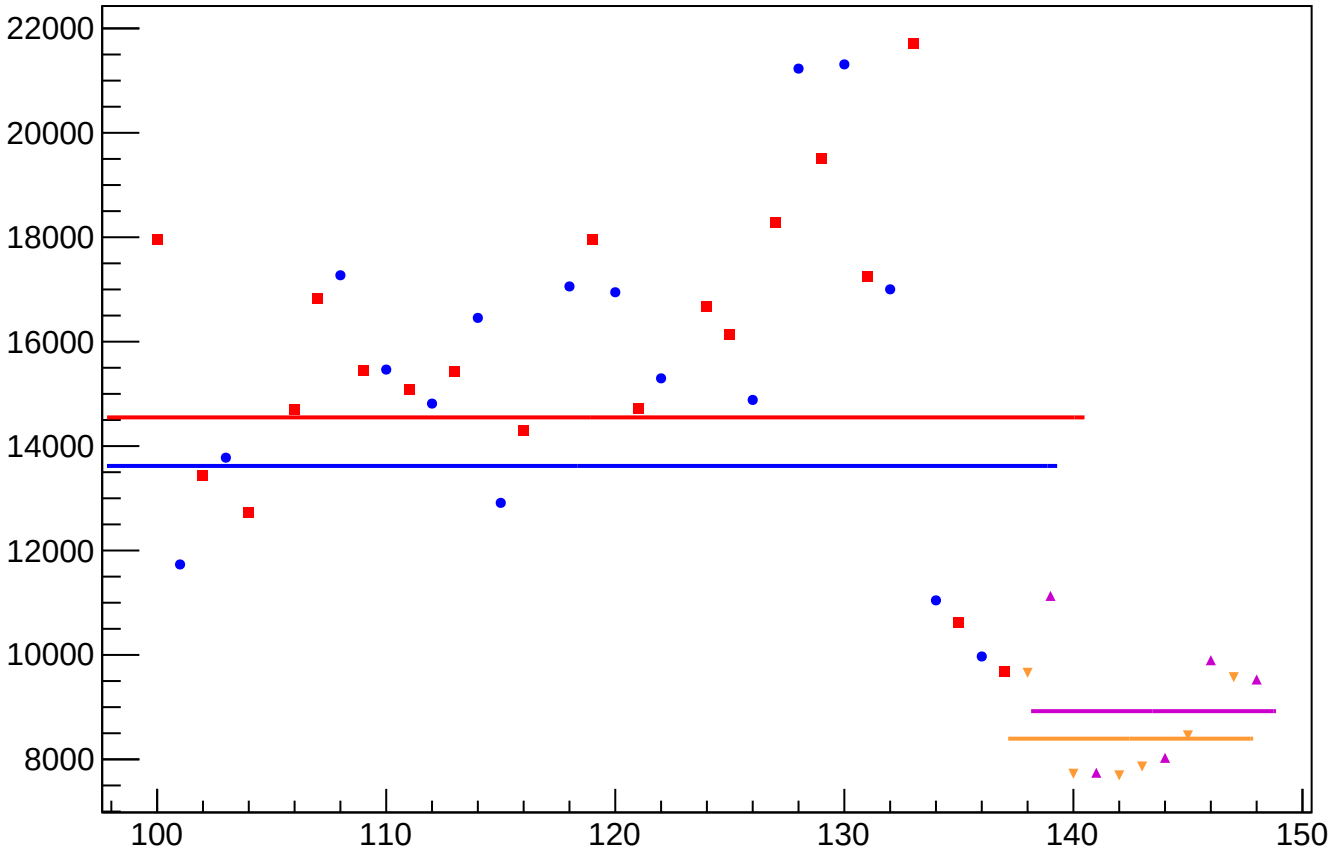
Left: -3.707+/-2.930 χ^2/NDF: 22.1/10

Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -2.846+/-3.329 χ^2/NDF:27.3/20

Out: -1.651+/-3.216 χ^2/NDF:39.0/24

All: -2.228+/-2.313 χ^2/NDF: 66.3/45



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8396.420+/-2.821 χ^2/NDF:78440.8/5

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8923.031+/-3.052 χ^2/NDF:153548.4/4

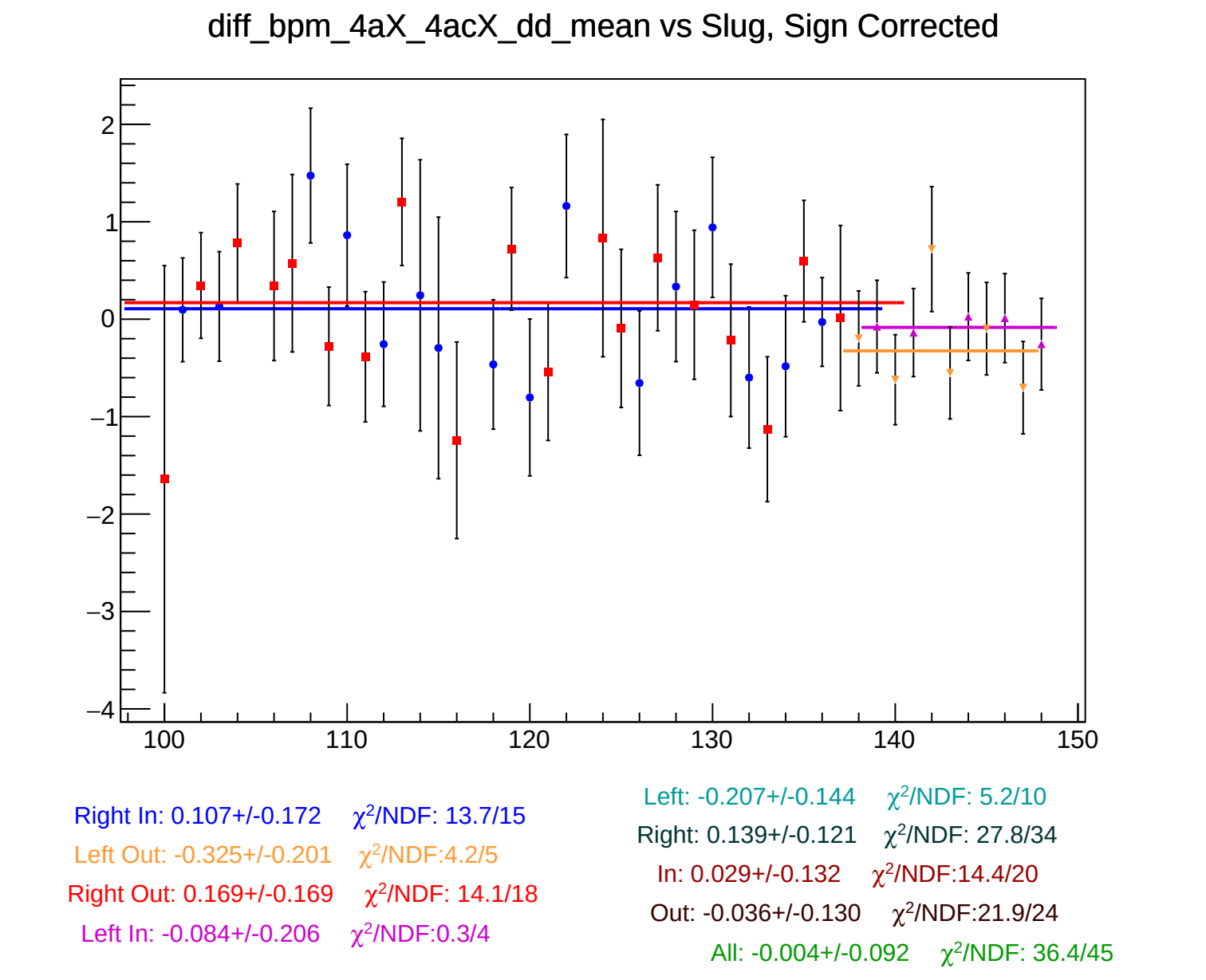
Left: 8639.025+/-2.072 χ^2/NDF: 248045.7/10

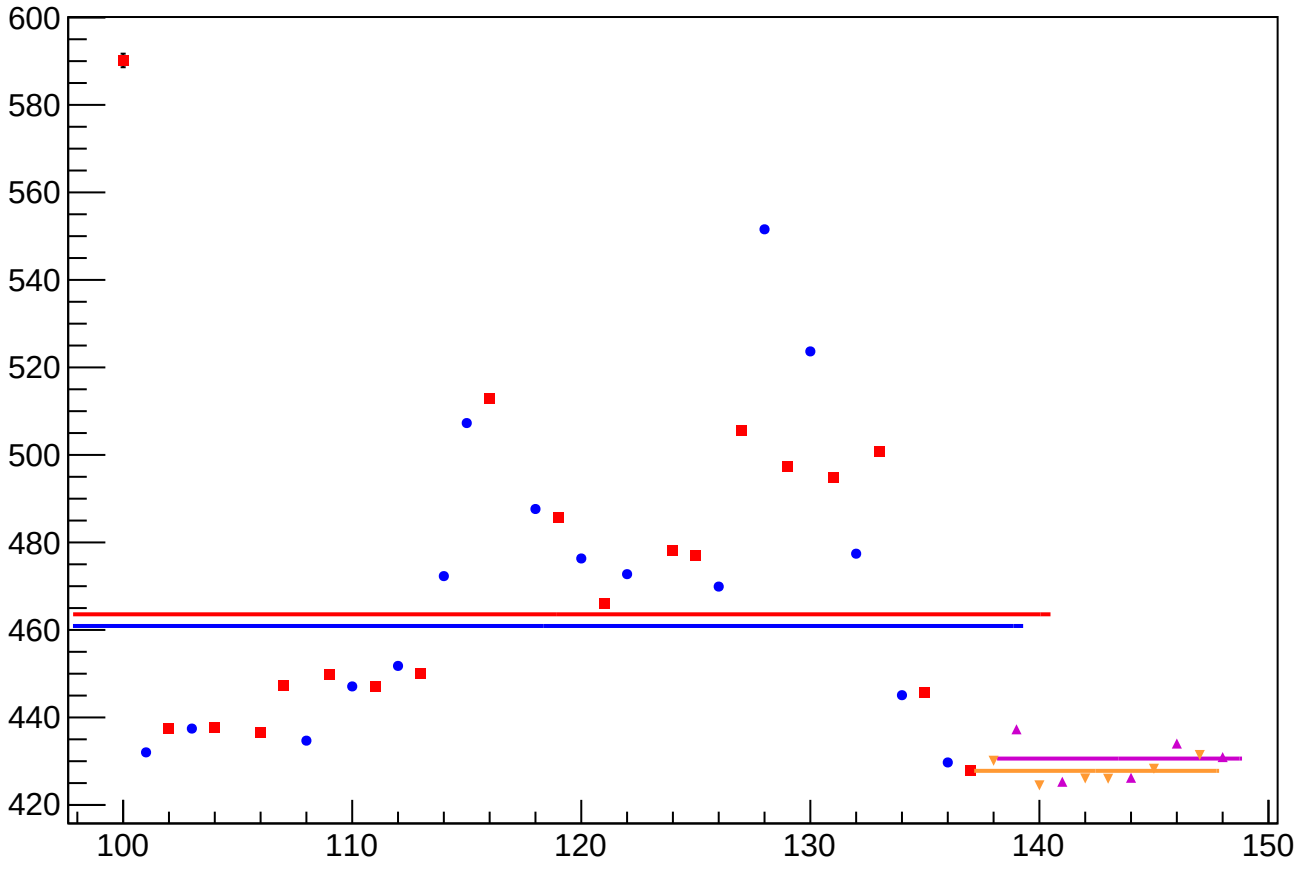
Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10825.303+/-2.354 χ^2/NDF:1859733.4/20

Out: 10550.126+/-2.274 χ^2/NDF:2299873.4/24

All: 10682.959+/-1.636 χ^2/NDF: 4166674.4/4


diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.107+/-0.172 χ²/NDF: 13.7/15
Left Out: -0.325+/-0.201 χ²/NDF:4.2/5
Right Out: 0.169+/-0.169 χ²/NDF: 14.1/18
Left In: -0.084+/-0.206 χ²/NDF:0.3/4
Left: -0.207+/-0.144 χ²/NDF: 5.2/10
Right: 0.139+/-0.121 χ²/NDF: 27.8/34
In: 0.029+/-0.132 χ²/NDF:14.4/20
Out: -0.036+/-0.130 χ²/NDF:21.9/24
All: -0.004+/-0.092 χ²/NDF: 36.4/45



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.798+/-0.142 χ^2/NDF:309.9/5

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.602+/-0.146 χ^2/NDF:976.0/4

Left: 429.168+/-0.102 χ^2/NDF: 1475.6/10

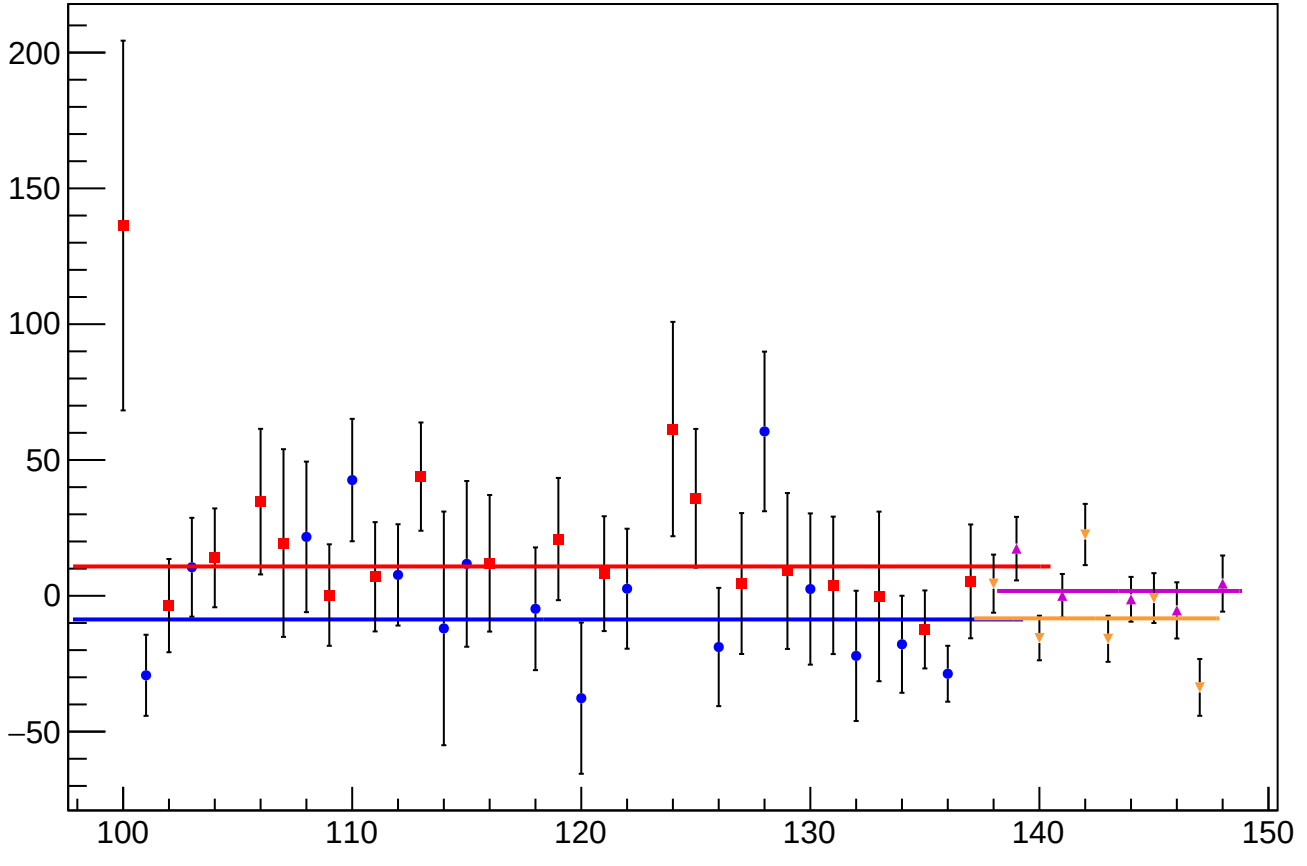
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 448.474+/-0.093 χ^2/NDF:101462.8/20

Out: 448.730+/-0.092 χ^2/NDF:89479.8/24

All: 448.604+/-0.065 χ^2/NDF: 190946.4/45

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.313+/-3.880 χ^2/NDF:17.1/5

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.781+/-4.217 χ^2/NDF:2.5/4

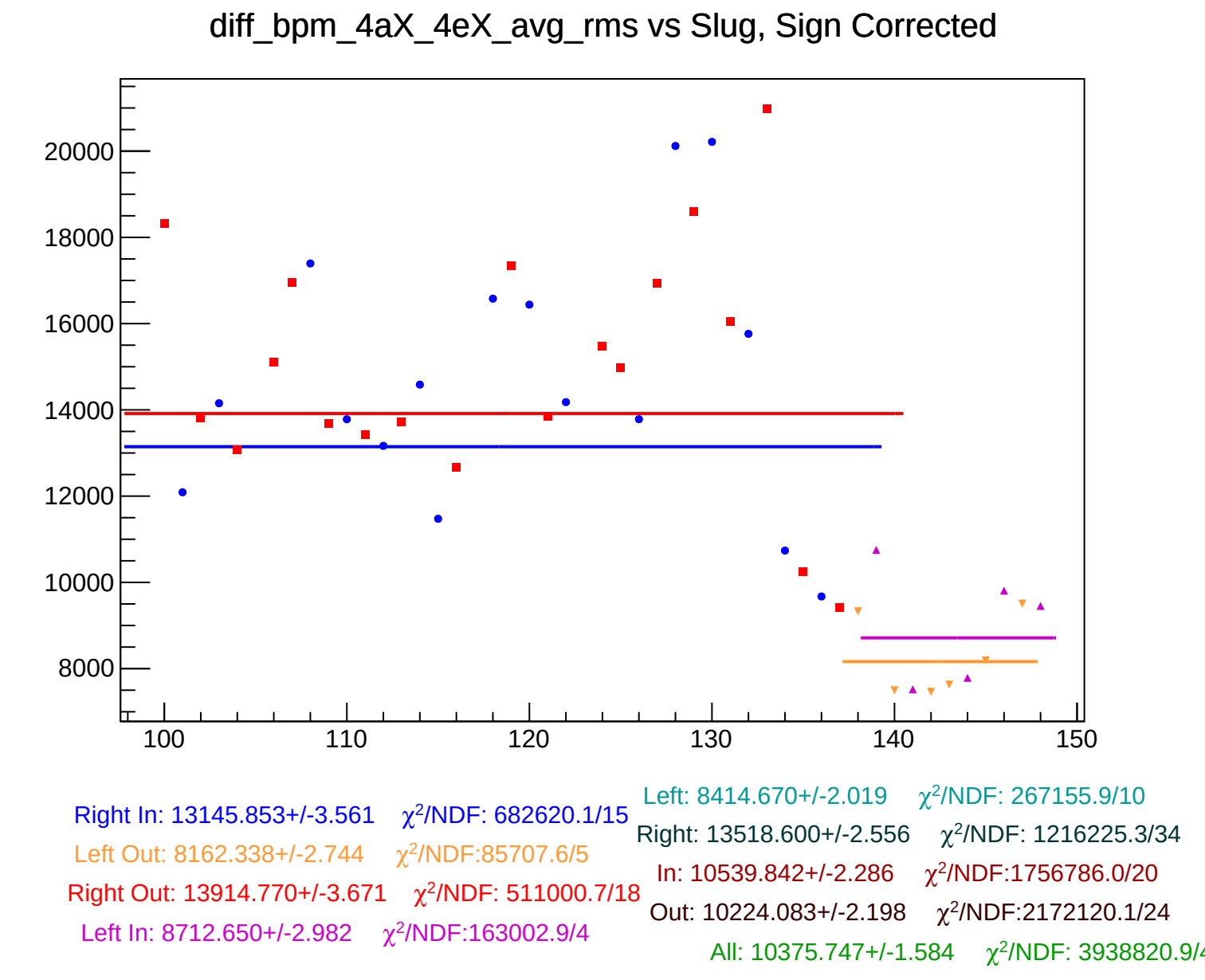
Left: -3.685+/-2.855 χ^2/NDF: 22.7/10

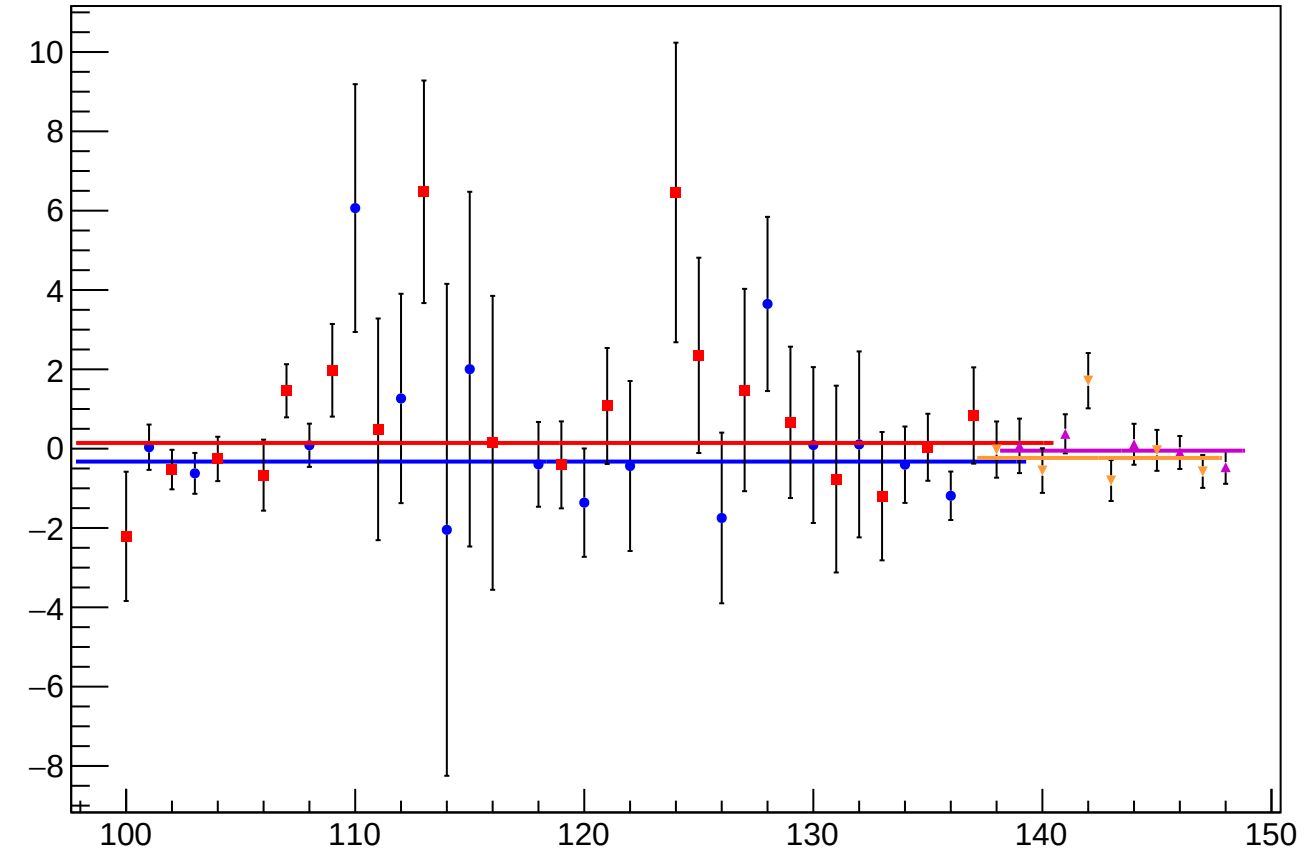
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -2.542+/-3.233 χ^2/NDF:27.3/20

Out: -1.460+/-3.108 χ^2/NDF:39.6/24

All: -1.980+/-2.241 χ^2/NDF: 67.0/45


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8162.338+/-2.744 χ²/NDF:85707.6/5
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8712.650+/-2.982 χ²/NDF:163002.9/4
Left: 8414.670+/-2.019 χ²/NDF: 267155.9/10
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10539.842+/-2.286 χ²/NDF:1756786.0/20
Out: 10224.083+/-2.198 χ²/NDF:2172120.1/24
All: 10375.747+/-1.584 χ²/NDF: 3938820.9/4



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.234+/-0.220 χ^2/NDF:10.3/5

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.050+/-0.216 χ^2/NDF:1.9/4

Left: -0.140+/-0.154 χ^2/NDF: 12.5/10

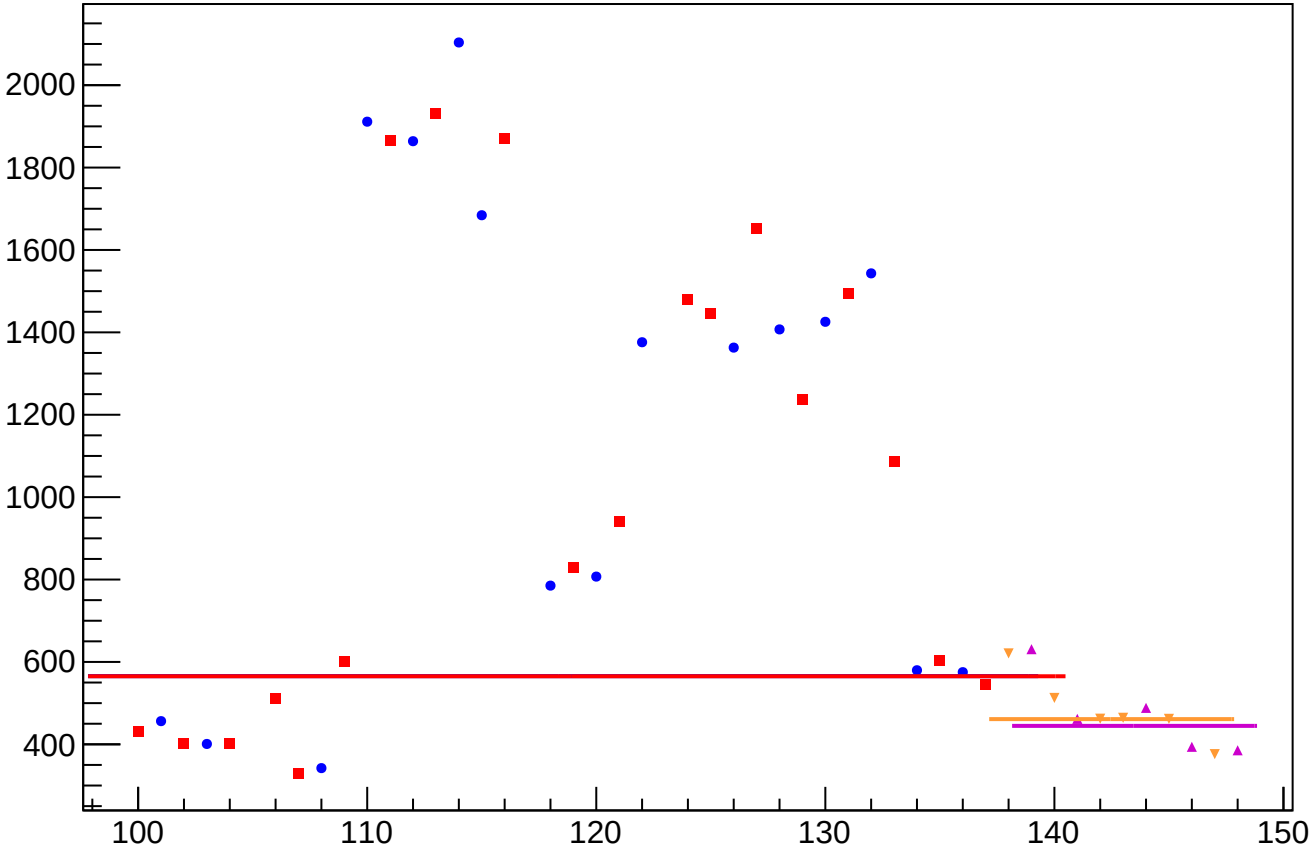
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.171+/-0.162 χ^2/NDF:15.1/20

Out: -0.064+/-0.164 χ^2/NDF:34.0/24

All: -0.119+/-0.115 χ^2/NDF: 49.4/45

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 461.213+/-0.156 χ^2/NDF:202630.7/5

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 444.807+/-0.153 χ^2/NDF:233221.4/4

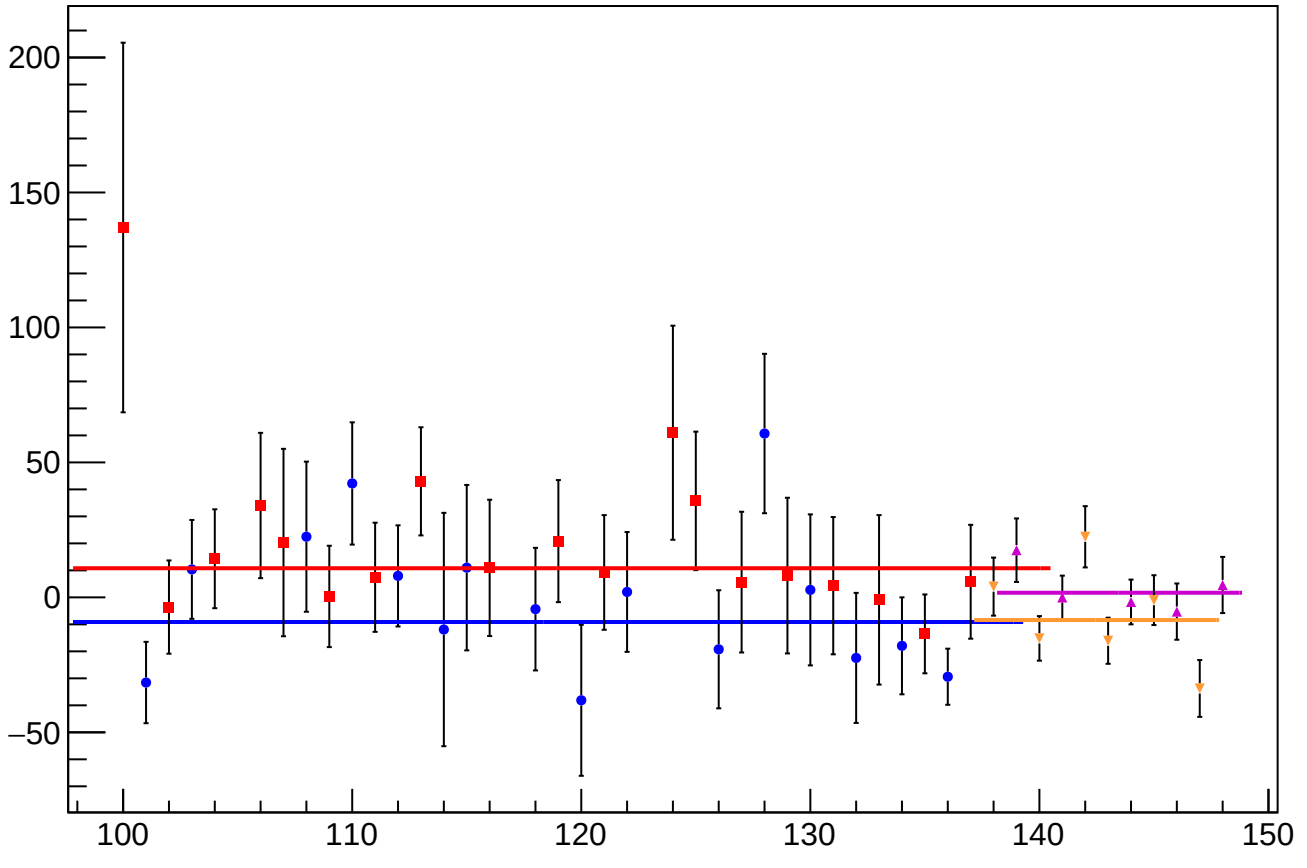
Left: 452.842+/-0.109 χ^2/NDF: 441503.5/10

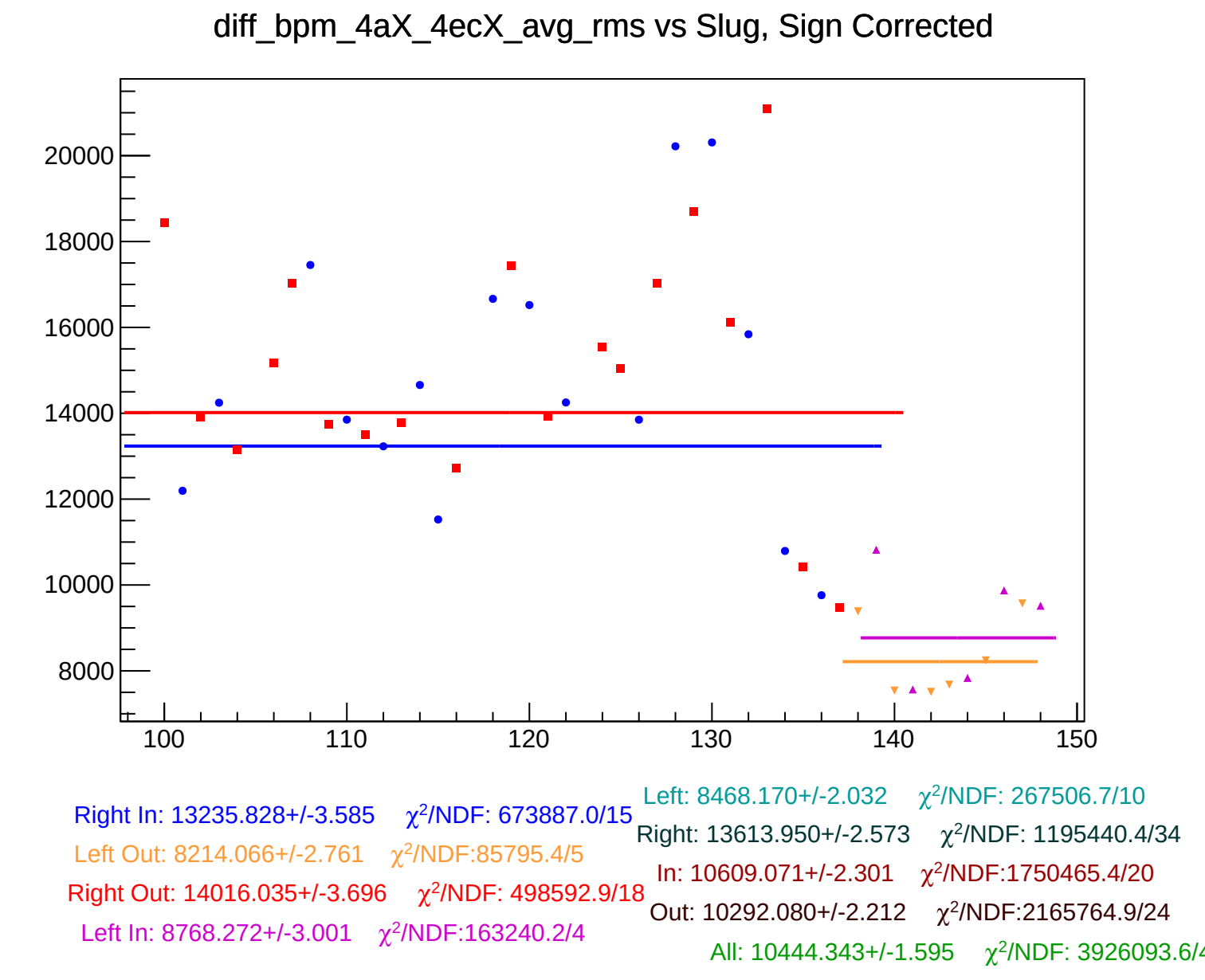
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

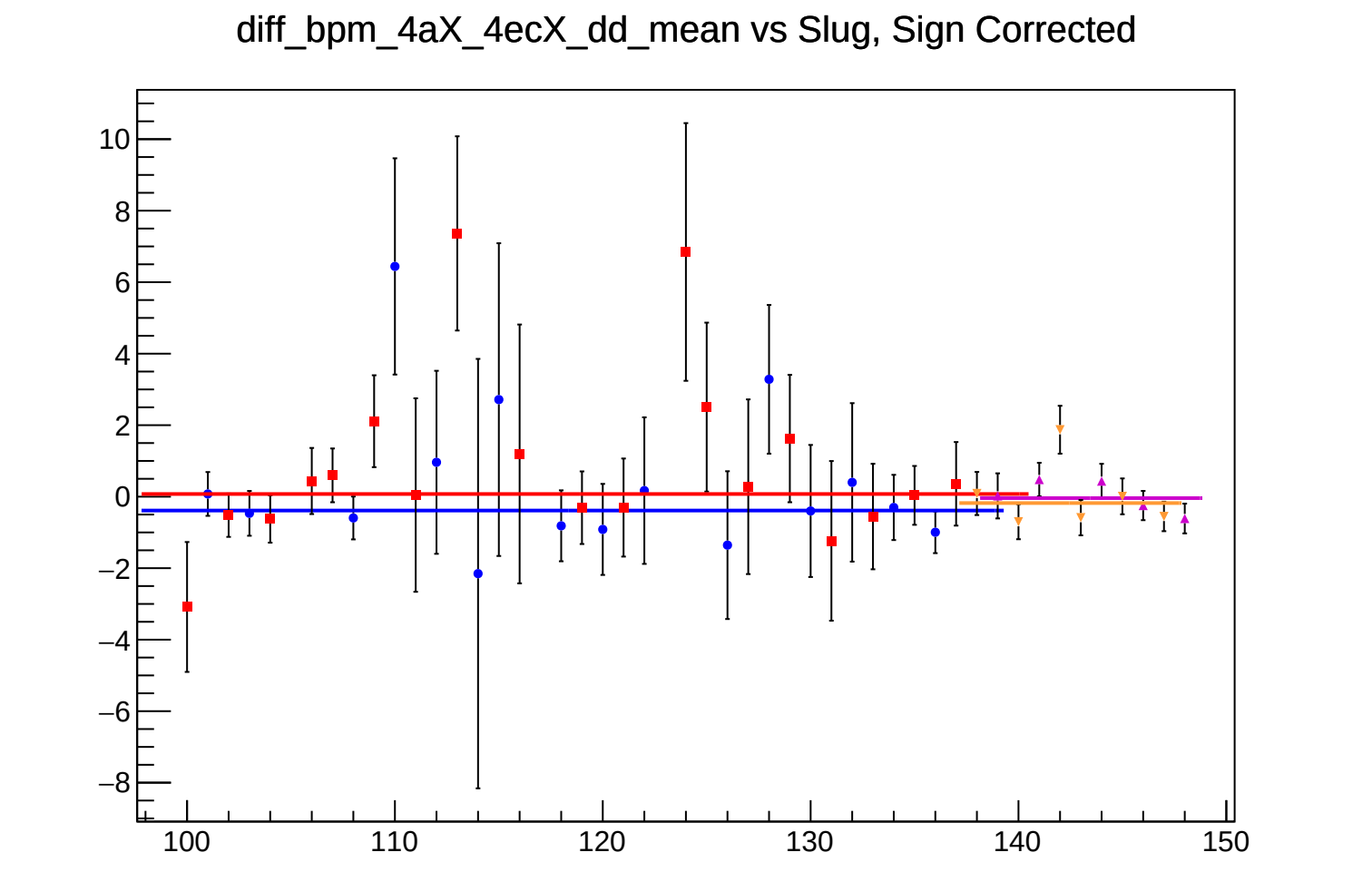
In: 497.815+/-0.114 χ^2/NDF:3958094.2/20

Out: 507.883+/-0.116 χ^2/NDF:3973994.8/24

All: 502.789+/-0.081 χ^2/NDF: 7935917.0/45


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -8.405+/-3.905 χ²/NDF:16.6/5
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 1.705+/-4.244 χ²/NDF:2.5/4
Left: -3.769+/-2.873 χ²/NDF: 22.2/10
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.759+/-3.254 χ²/NDF:28.0/20
Out: -1.531+/-3.128 χ²/NDF:39.0/24
All: -2.121+/-2.255 χ²/NDF: 67.0/45


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8214.066+/-2.761 χ²/NDF:85795.4/5
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8768.272+/-3.001 χ²/NDF:163240.2/4
Left: 8468.170+/-2.032 χ²/NDF: 267506.7/10
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10609.071+/-2.301 χ²/NDF:1750465.4/20
Out: 10292.080+/-2.212 χ²/NDF:2165764.9/24
All: 10444.343+/-1.595 χ²/NDF: 3926093.6/4



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.178+/-0.208 χ^2/NDF:12.4/5

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.040+/-0.208 χ^2/NDF:4.3/4

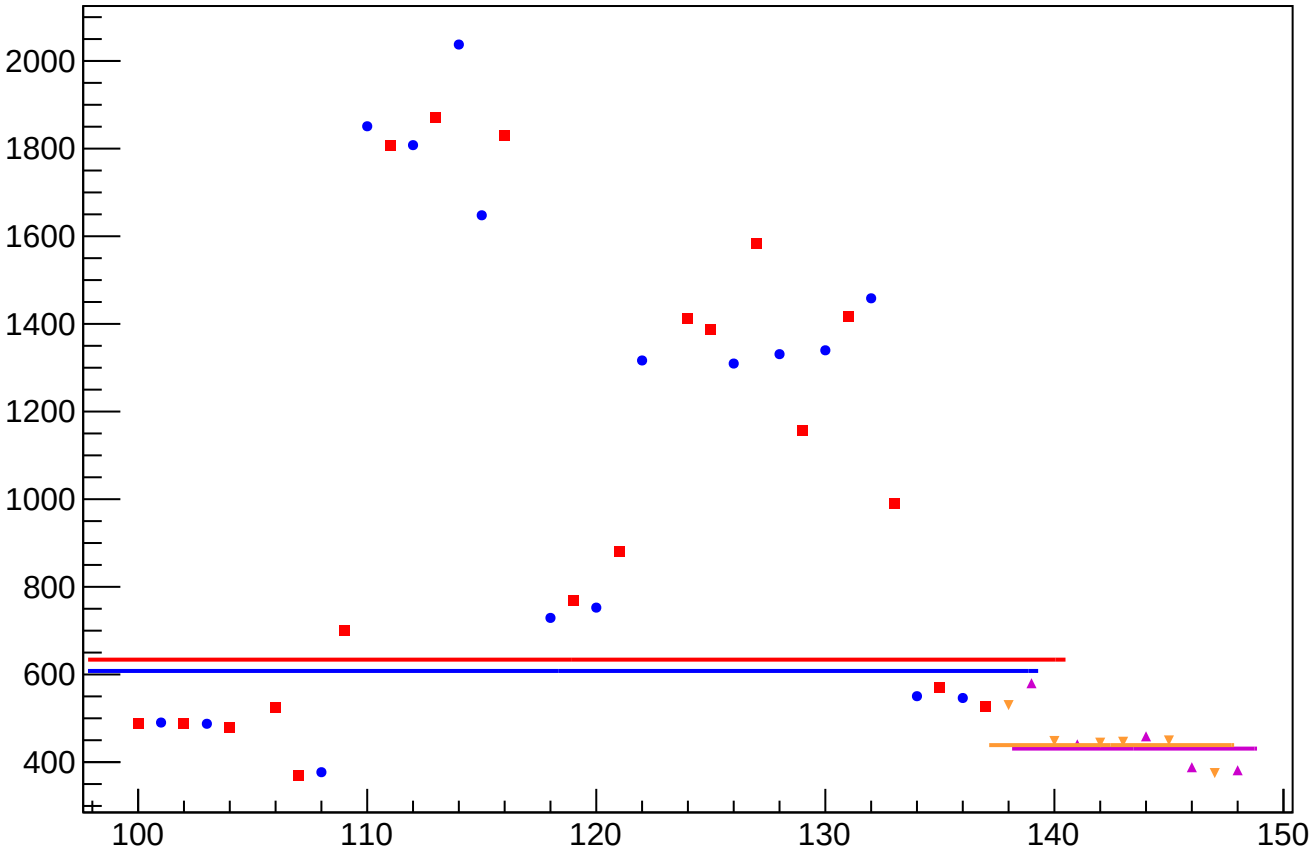
Left: -0.109+/-0.147 χ^2/NDF: 16.9/10

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.179+/-0.161 χ^2/NDF:17.1/20

Out: -0.082+/-0.164 χ^2/NDF:34.6/24

All: -0.131+/-0.115 χ^2/NDF: 51.9/45



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 438.839+/-0.147 χ^2/NDF:95928.4/5

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 430.888+/-0.147 χ^2/NDF:169185.1/4

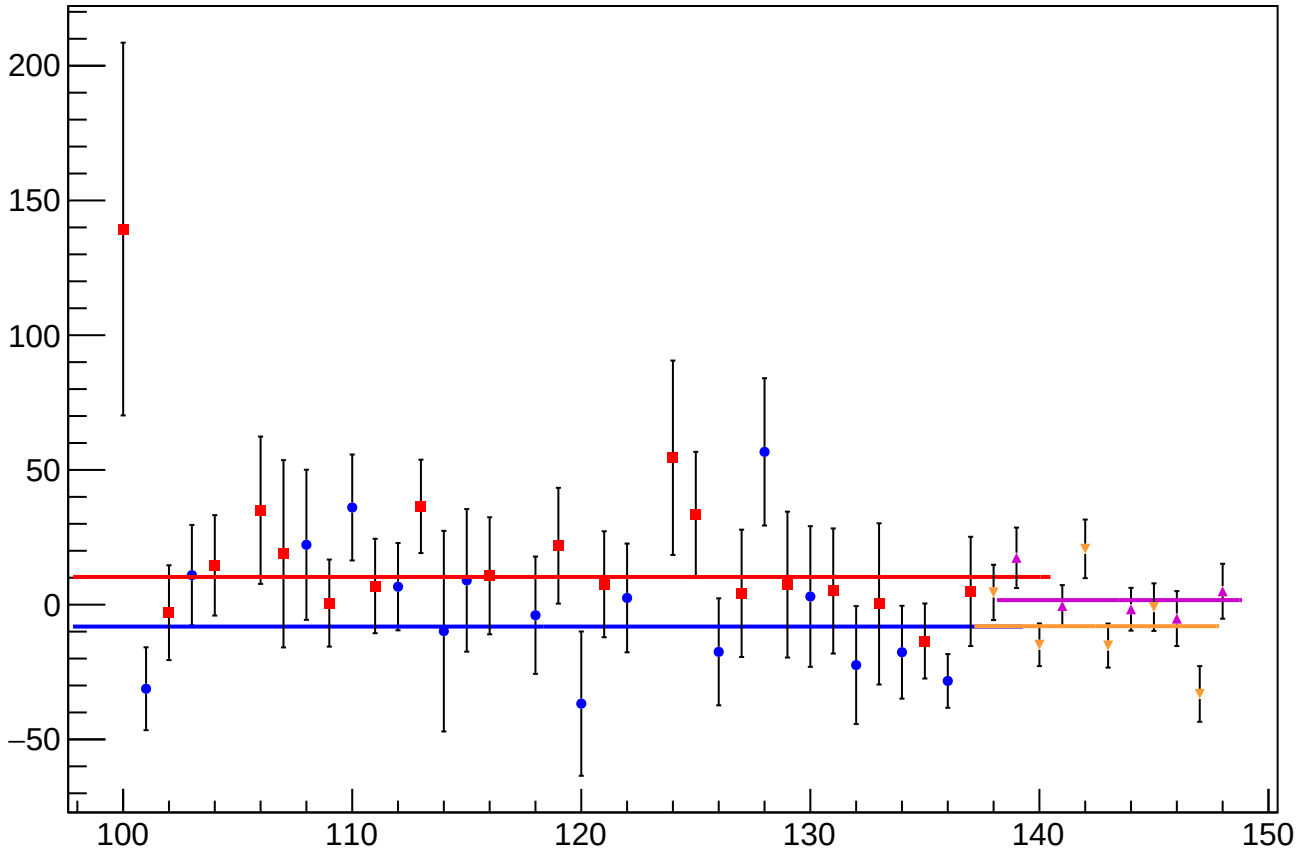
Left: 434.865+/-0.104 χ^2/NDF: 266572.4/10

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 501.527+/-0.114 χ^2/NDF:3599284.5/20

Out: 513.412+/-0.116 χ^2/NDF:3556003.2/24

All: 507.392+/-0.081 χ^2/NDF: 7160635.6/45



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -7.993+/-3.750 χ^2/NDF:16.6/5

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.694+/-4.094 χ^2/NDF:2.8/4

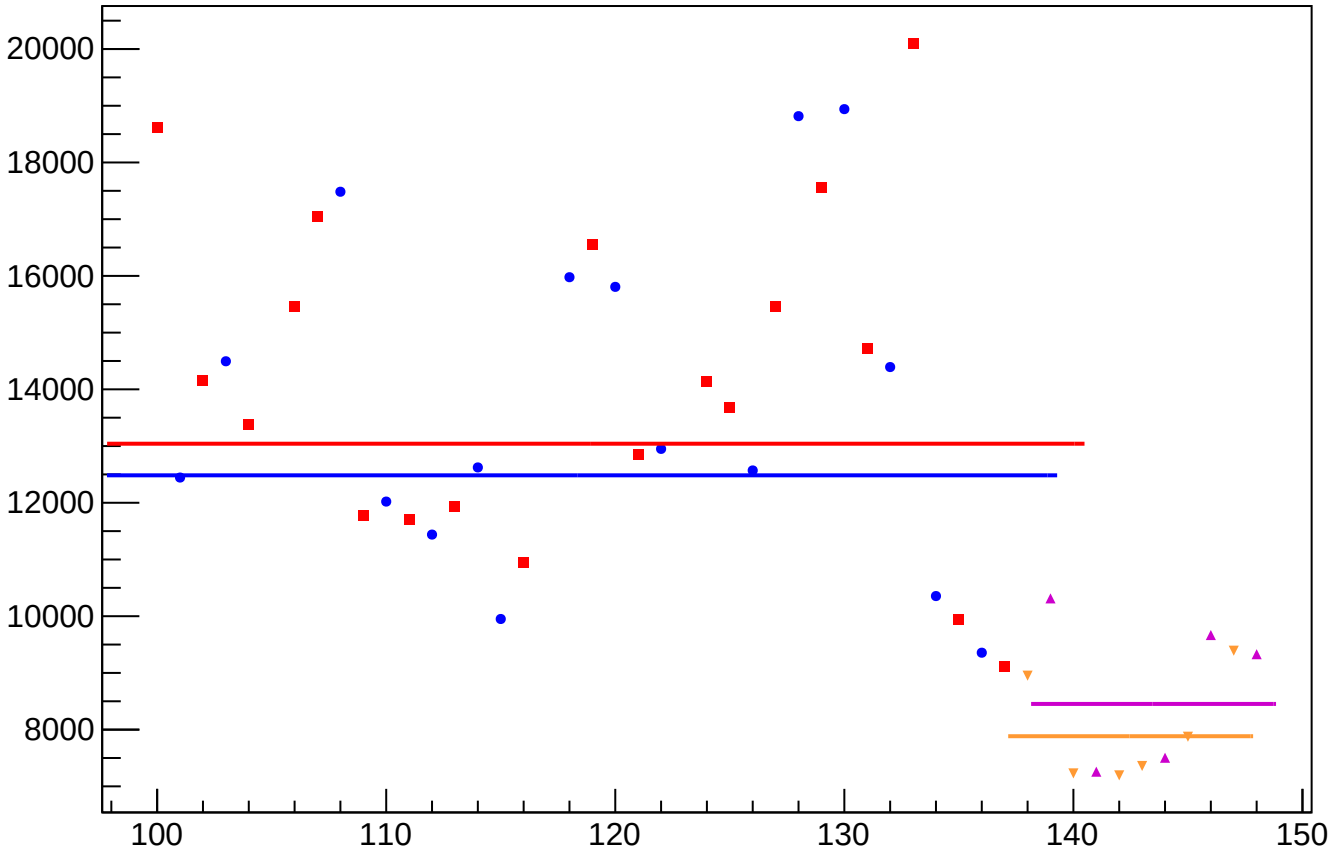
Left: -3.573+/-2.765 χ^2/NDF: 22.4/10

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -2.465+/-3.109 χ^2/NDF:28.3/20

Out: -1.194+/-2.972 χ^2/NDF:39.1/24

All: -1.800+/-2.148 χ^2/NDF: 67.5/45



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7883.966+/-2.652 χ^2/NDF:94271.4/5

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8453.151+/-2.895 χ^2/NDF:174249.2/4

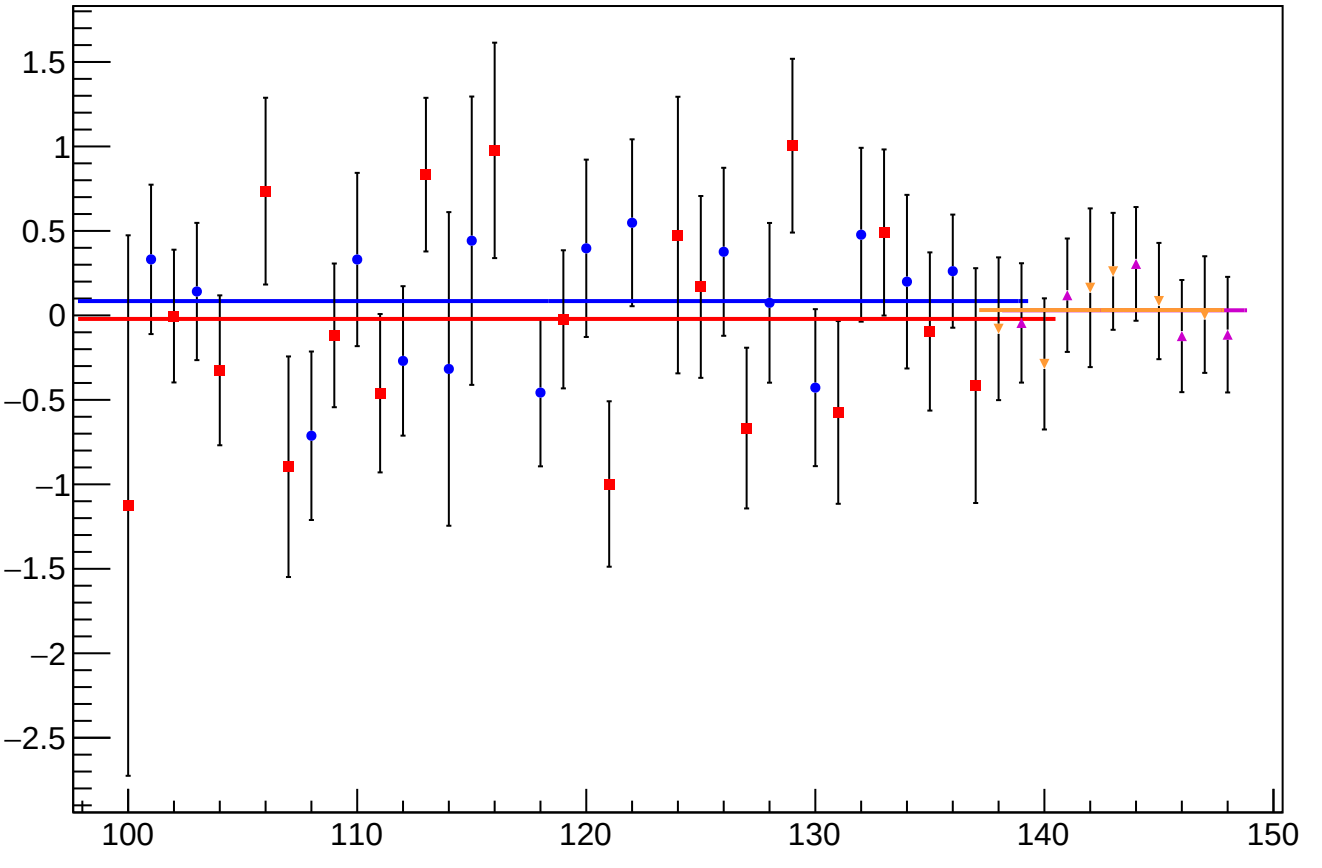
Left: 8143.703+/-1.955 χ^2/NDF: 289541.6/10

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10159.002+/-2.198 χ^2/NDF:1666436.2/20

Out: 9802.241+/-2.102 χ^2/NDF:2045447.5/24

All: 9972.600+/-1.519 χ^2/NDF: 3725643.7/45



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.032+/-0.154 χ^2/NDF:1.3/5

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.030+/-0.152 χ^2/NDF:1.2/4

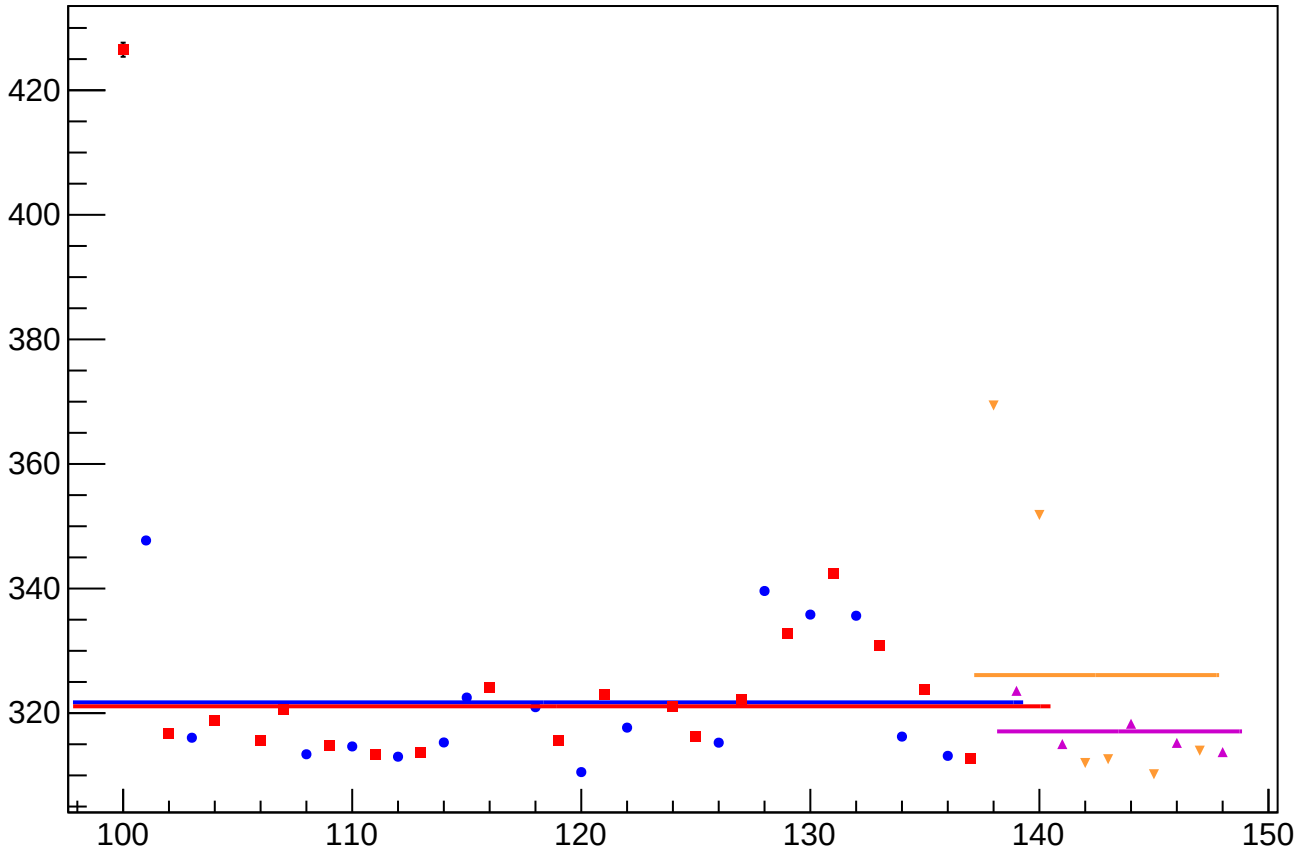
Left: 0.031+/-0.108 χ^2/NDF: 2.5/10

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.064+/-0.094 χ^2/NDF:10.6/20

Out: -0.002+/-0.093 χ^2/NDF:25.7/24

All: 0.031+/-0.066 χ^2/NDF: 36.5/45



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 326.105+/-0.109 χ^2/NDF:41373.2/5

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 317.065+/-0.107 χ^2/NDF:1030.5/4

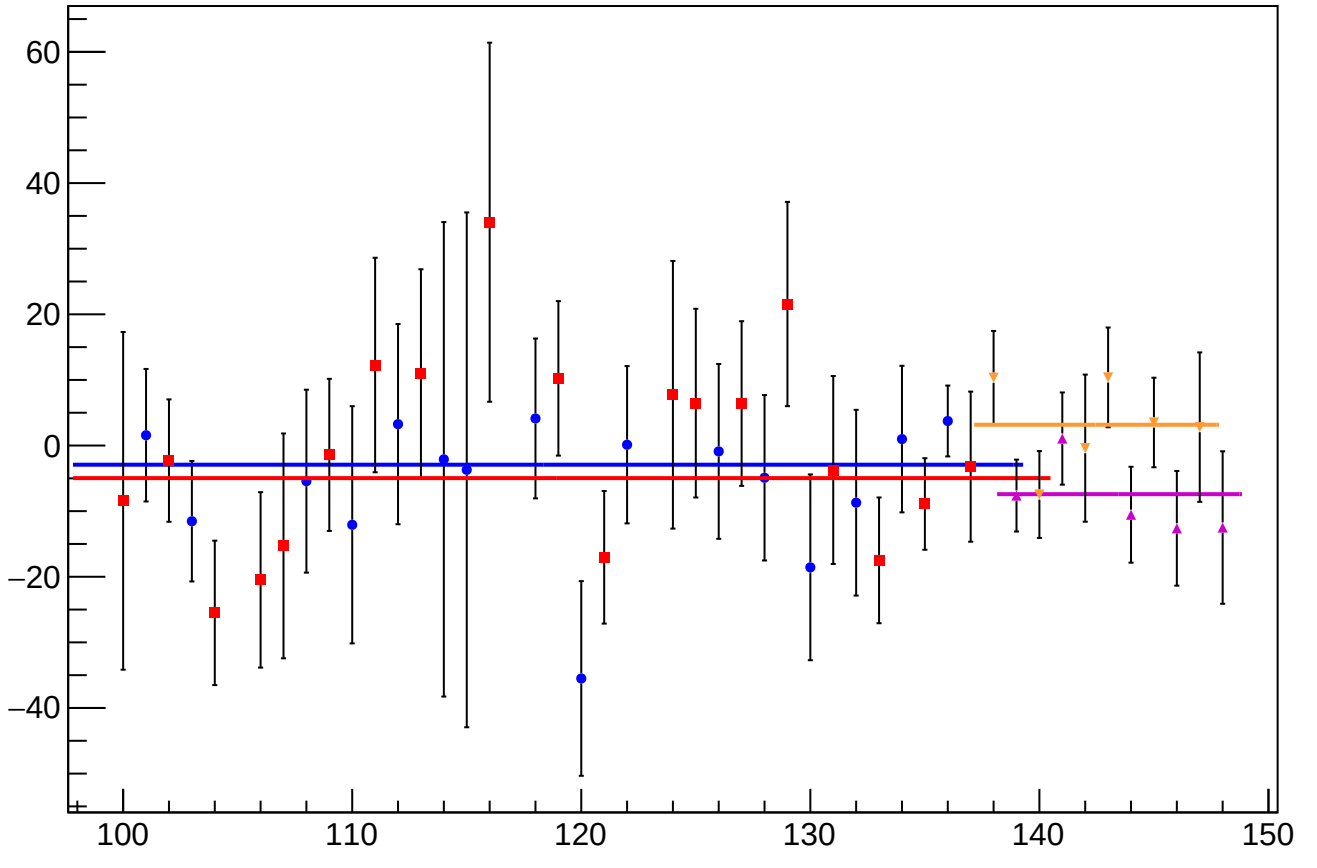
Left: 321.512+/-0.077 χ^2/NDF: 45888.2/10

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.933+/-0.067 χ^2/NDF:20404.1/20

Out: 322.931+/-0.066 χ^2/NDF:59287.6/24

All: 321.444+/-0.047 χ^2/NDF: 80711.9/45



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.168+/-3.211 χ^2/NDF:4.6/5

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -7.412+/-3.283 χ^2/NDF:2.2/4

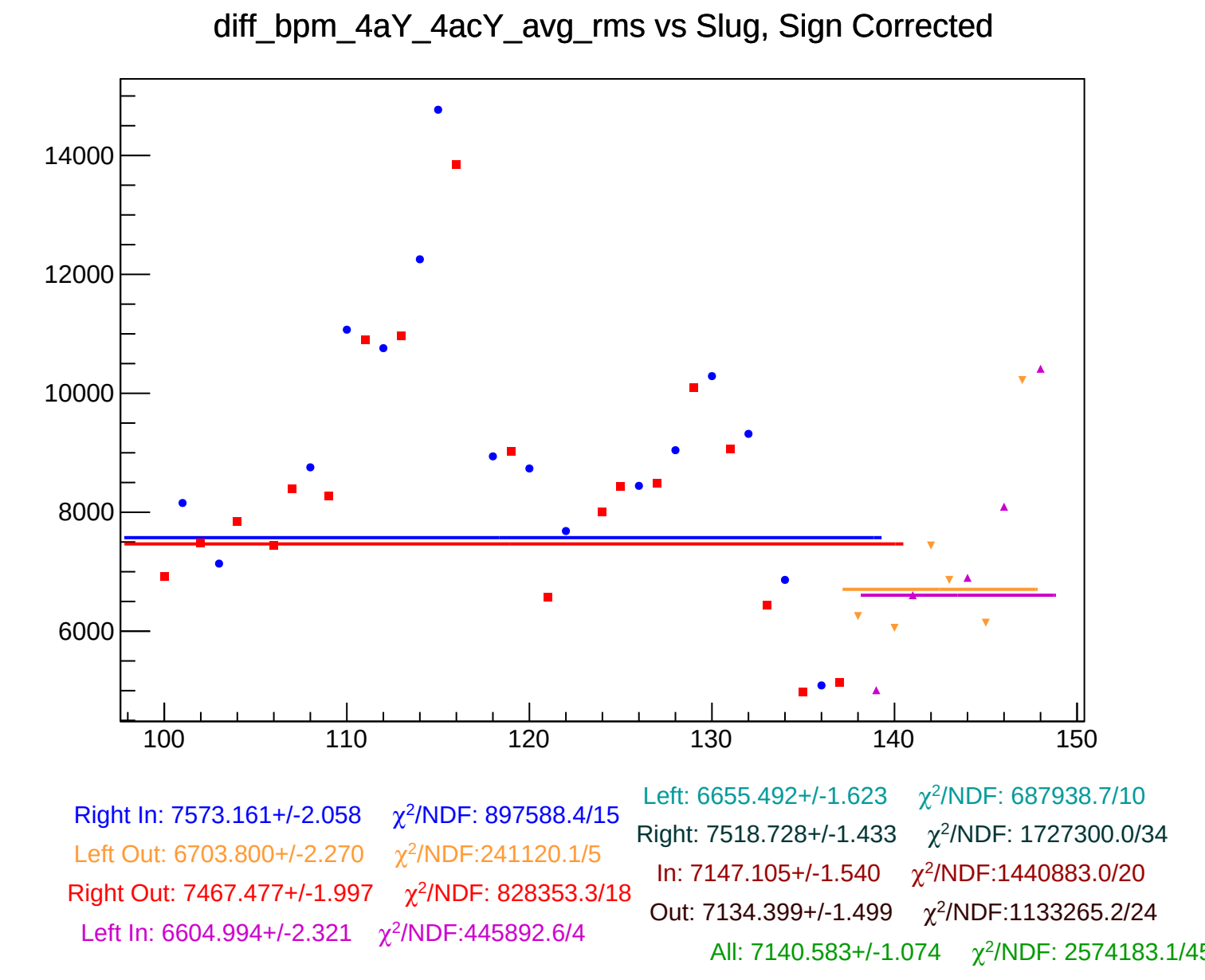
Left: -2.005+/-2.295 χ^2/NDF: 12.1/10

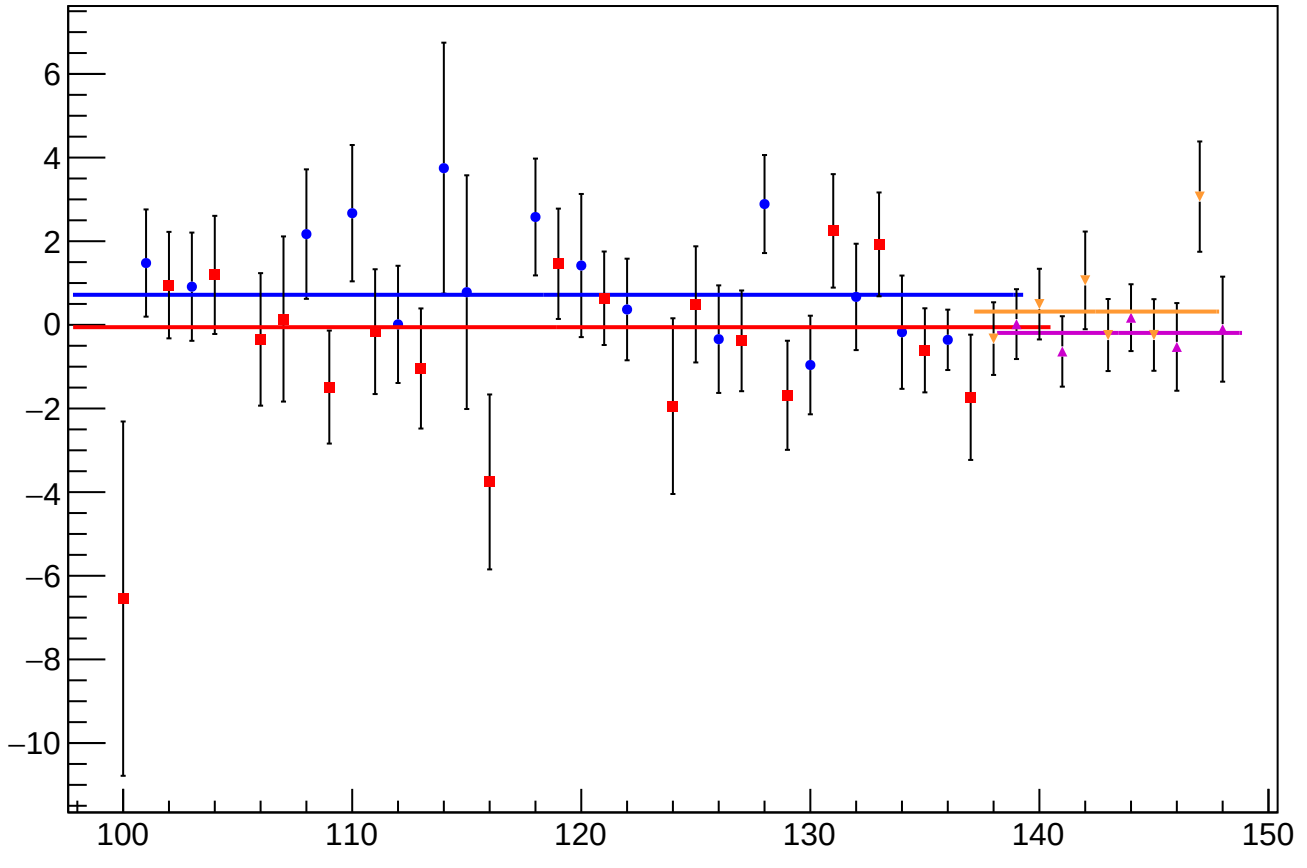
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -4.898+/-2.178 χ^2/NDF:13.1/20

Out: -1.418+/-2.121 χ^2/NDF:27.6/24

All: -3.112+/-1.519 χ^2/NDF: 42.0/45


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6703.800+/-2.270 χ²/NDF:241120.1/5
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6604.994+/-2.321 χ²/NDF:445892.6/4
Left: 6655.492+/-1.623 χ²/NDF: 687938.7/10
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7147.105+/-1.540 χ²/NDF:1440883.0/20
Out: 7134.399+/-1.499 χ²/NDF:1133265.2/24
All: 7140.583+/-1.074 χ²/NDF: 2574183.1/45



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.318+/-0.385 χ^2/NDF:6.2/5

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.193+/-0.410 χ^2/NDF:0.7/4

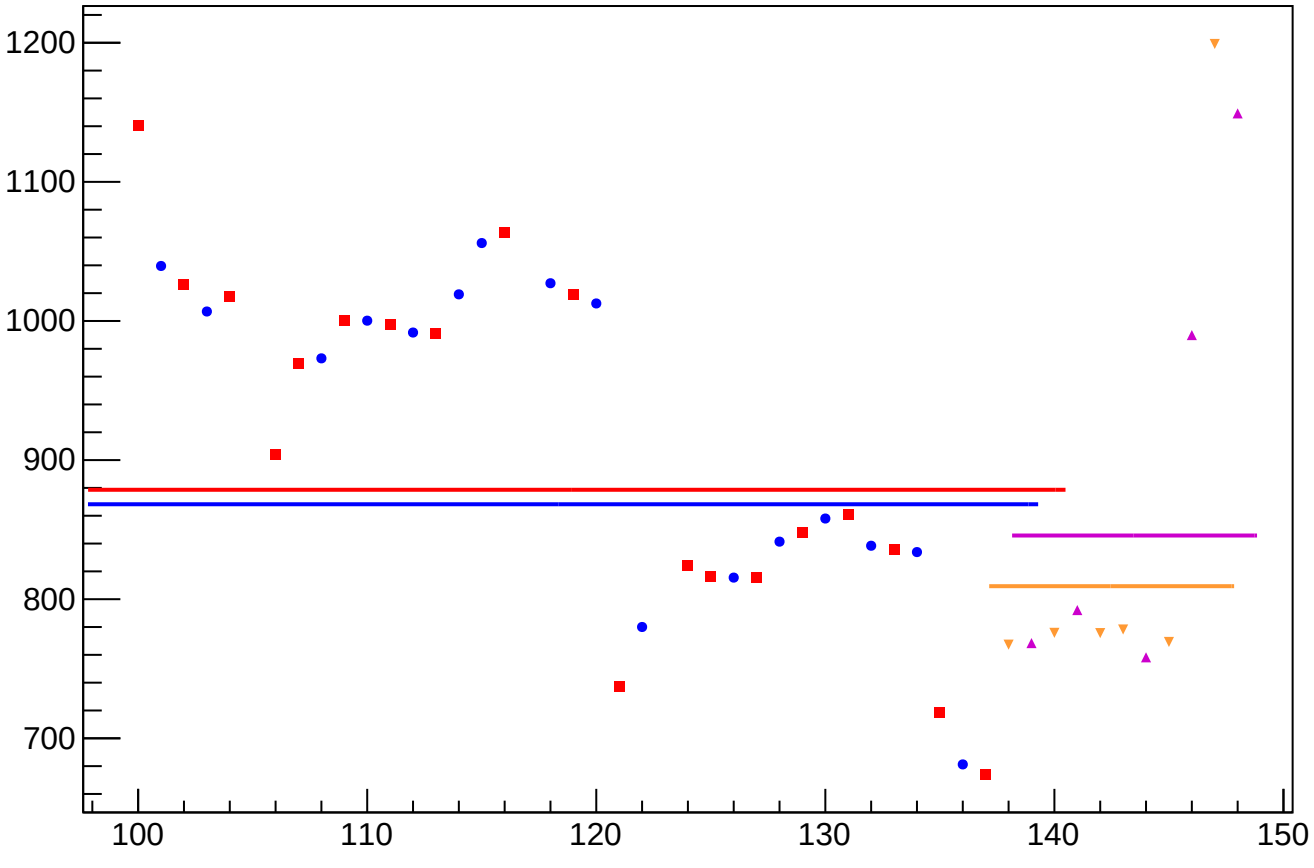
Left: 0.078+/-0.281 χ^2/NDF: 7.7/10

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.366+/-0.255 χ^2/NDF:18.5/20

Out: 0.099+/-0.248 χ^2/NDF:26.6/24

All: 0.228+/-0.178 χ^2/NDF: 45.6/45



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 809.354+/-0.272 χ^2/NDF:191173.5/5

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 845.784+/-0.290 χ^2/NDF:203847.9/4

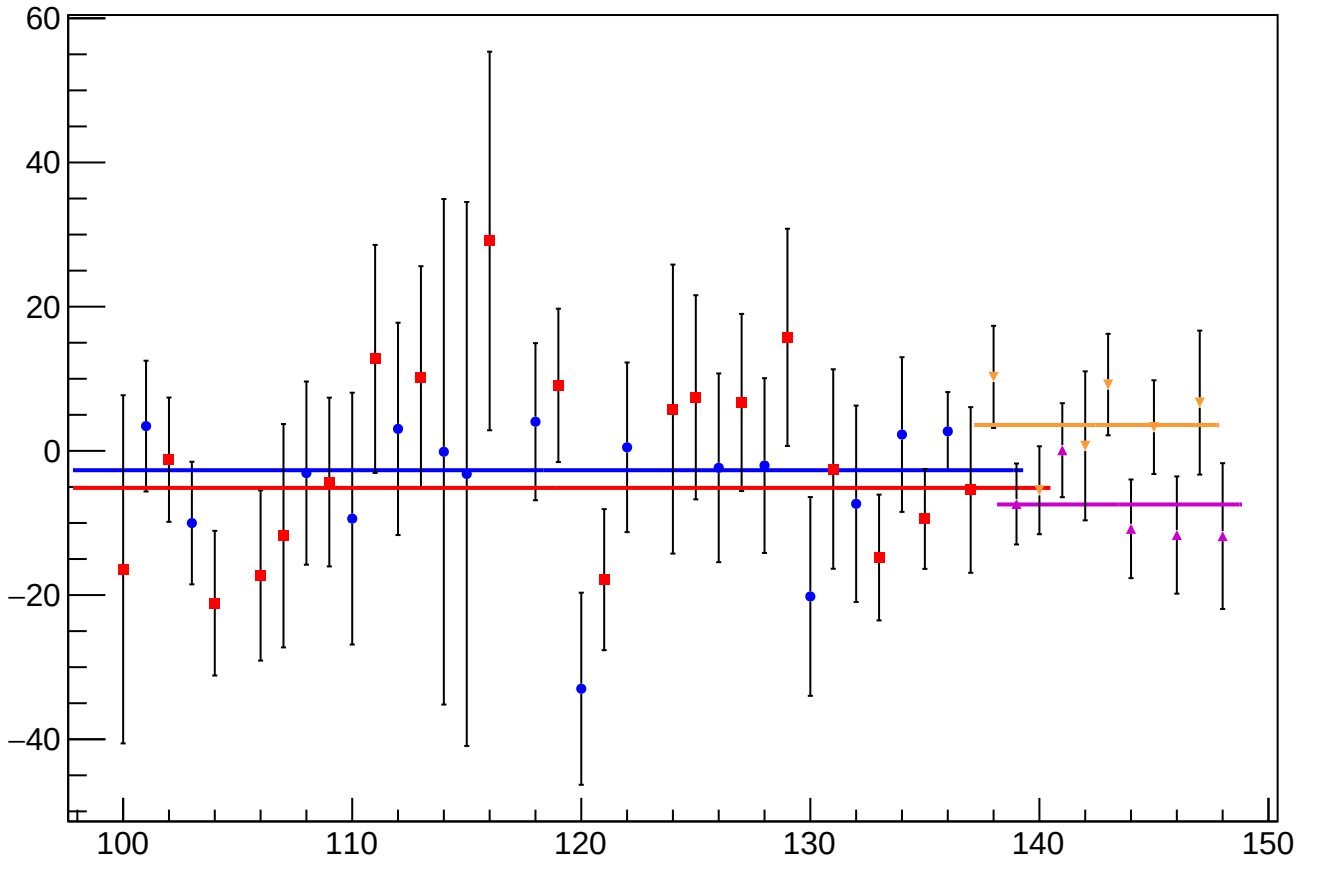
Left: 826.433+/-0.198 χ^2/NDF: 403416.9/10

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 859.547+/-0.180 χ^2/NDF:509940.3/20

Out: 849.991+/-0.175 χ^2/NDF:501705.5/24

All: 854.627+/-0.126 χ^2/NDF: 1013091.0/45



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.591+/-3.014 χ^2/NDF:3.9/5

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -7.433+/-3.138 χ^2/NDF:2.0/4

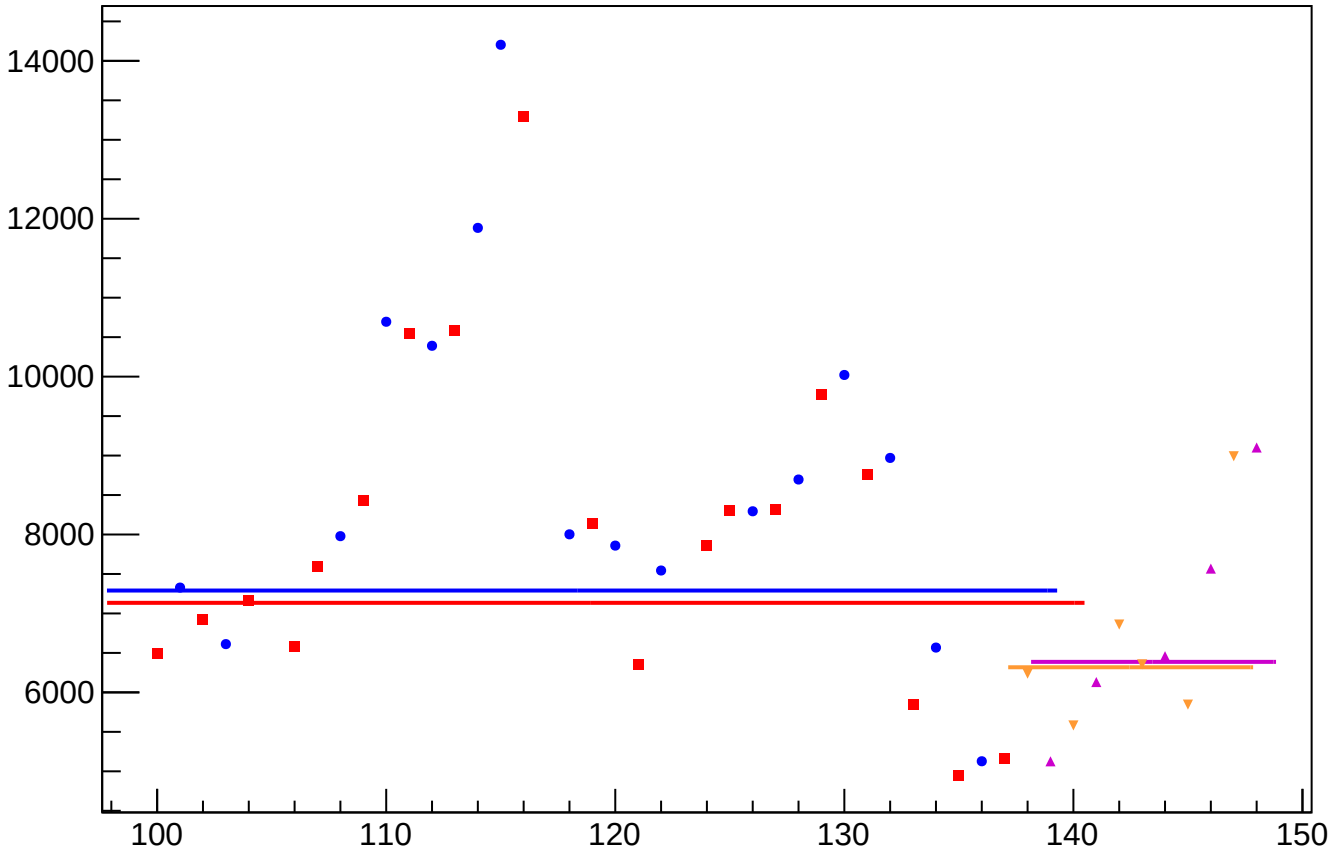
Left: -1.698+/-2.174 χ^2/NDF: 12.4/10

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -4.778+/-2.084 χ^2/NDF:13.4/20

Out: -1.263+/-2.008 χ^2/NDF:25.8/24

All: -2.955+/-1.446 χ^2/NDF: 40.7/45



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6318.112+/-2.131 χ^2/NDF:188889.2/5

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6386.568+/-2.219 χ^2/NDF:290500.2/4

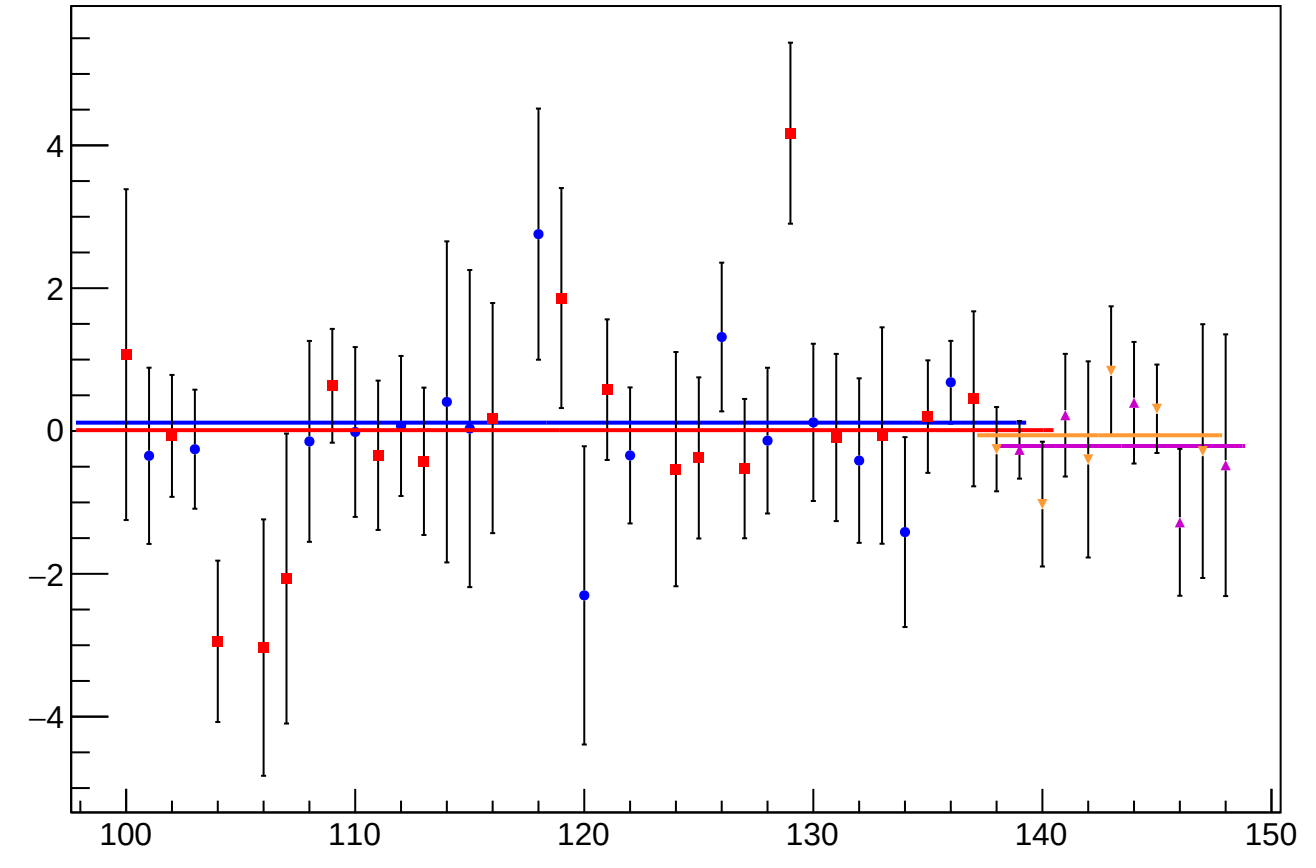
Left: 6350.952+/-1.537 χ^2/NDF: 479884.5/10

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6891.629+/-1.474 χ^2/NDF:1153692.2/20

Out: 6772.151+/-1.420 χ^2/NDF:1063293.4/24

All: 6829.649+/-1.022 χ^2/NDF: 2220394.3/45



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.060+/-0.336 χ^2/NDF:2.8/5

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.210+/-0.314 χ^2/NDF:1.9/4

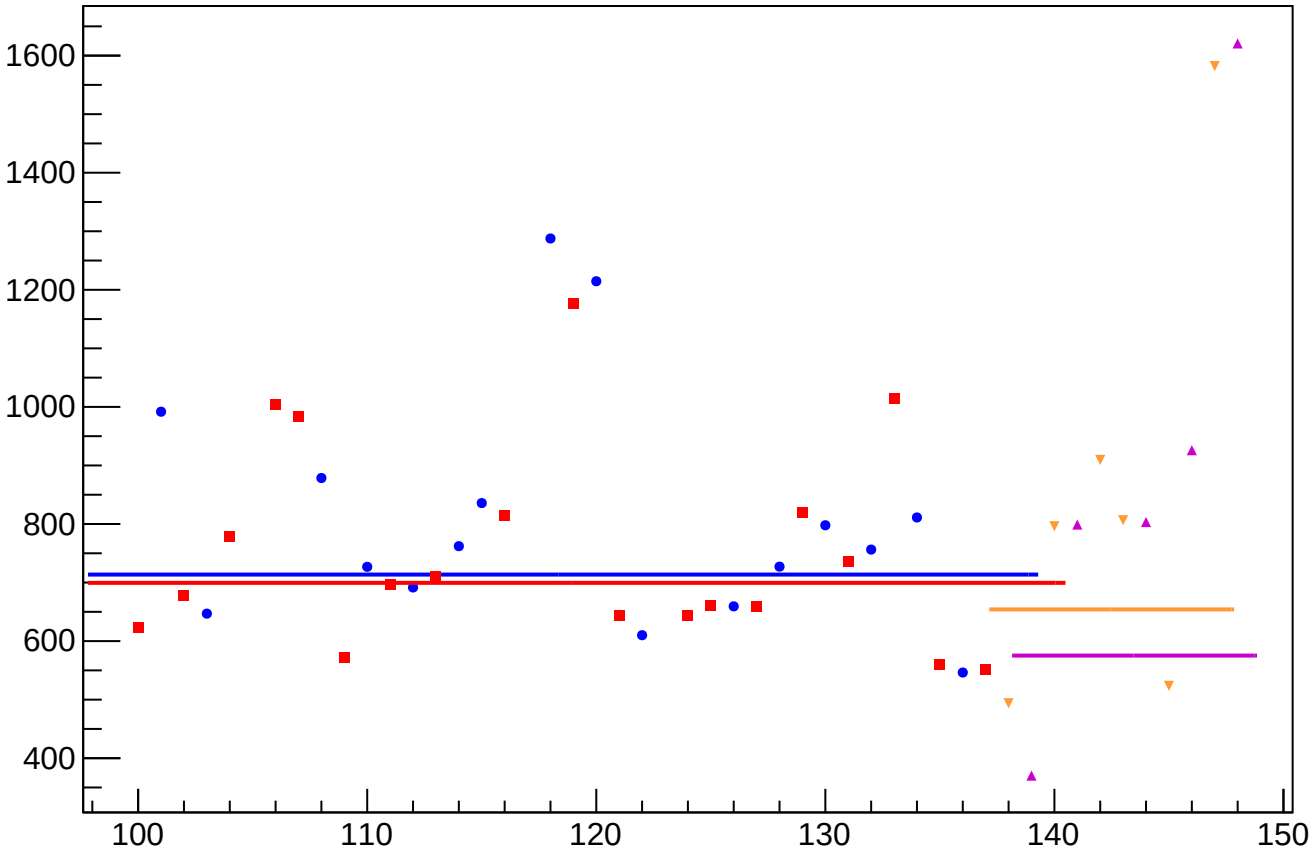
Left: -0.140+/-0.229 χ^2/NDF: 4.7/10

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: -0.024+/-0.206 χ^2/NDF:10.6/20

Out: -0.015+/-0.207 χ^2/NDF:28.0/24

All: -0.020+/-0.146 χ^2/NDF: 38.6/45



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 654.157+/-0.237 χ^2/NDF:960810.9/5

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 575.273+/-0.222 χ^2/NDF:1680035.8/4

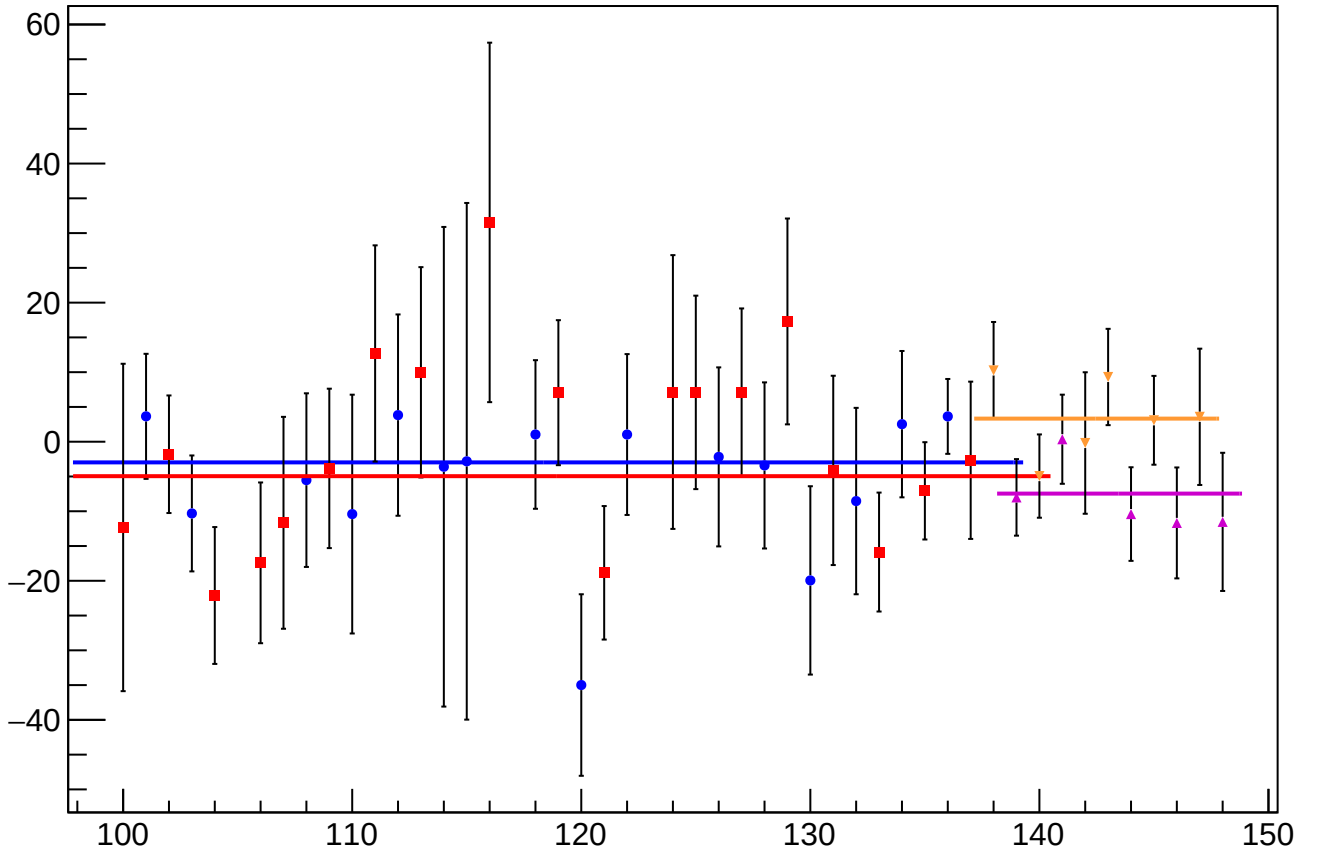
Left: 612.093+/-0.162 χ^2/NDF: 2699674.7/10

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 654.078+/-0.146 χ^2/NDF:2600169.9/20

Out: 682.250+/-0.146 χ^2/NDF:1559155.3/24

All: 668.095+/-0.103 χ^2/NDF: 4177908.2/45



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.323+/-2.963 χ^2/NDF:3.8/5

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -7.462+/-3.082 χ^2/NDF:2.1/4

Left: -1.857+/-2.136 χ^2/NDF: 12.3/10

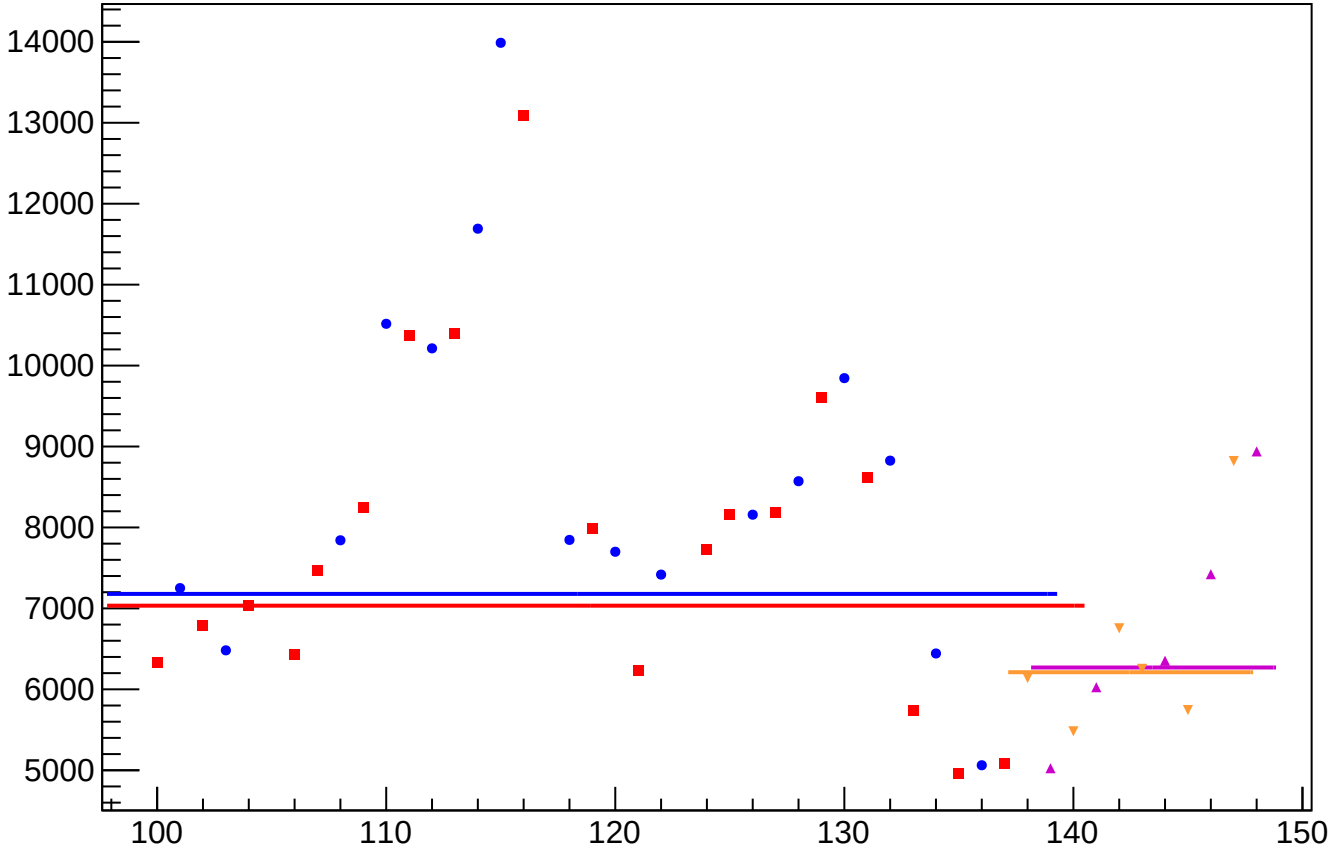
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -4.960+/-2.050 χ^2/NDF:14.9/20

Out: -1.271+/-1.977 χ^2/NDF:26.6/24

All: -3.048+/-1.423 χ^2/NDF: 43.1/45

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6211.276+/-2.095 χ^2/NDF:188168.4/5

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6269.737+/-2.179 χ^2/NDF:291685.4/4

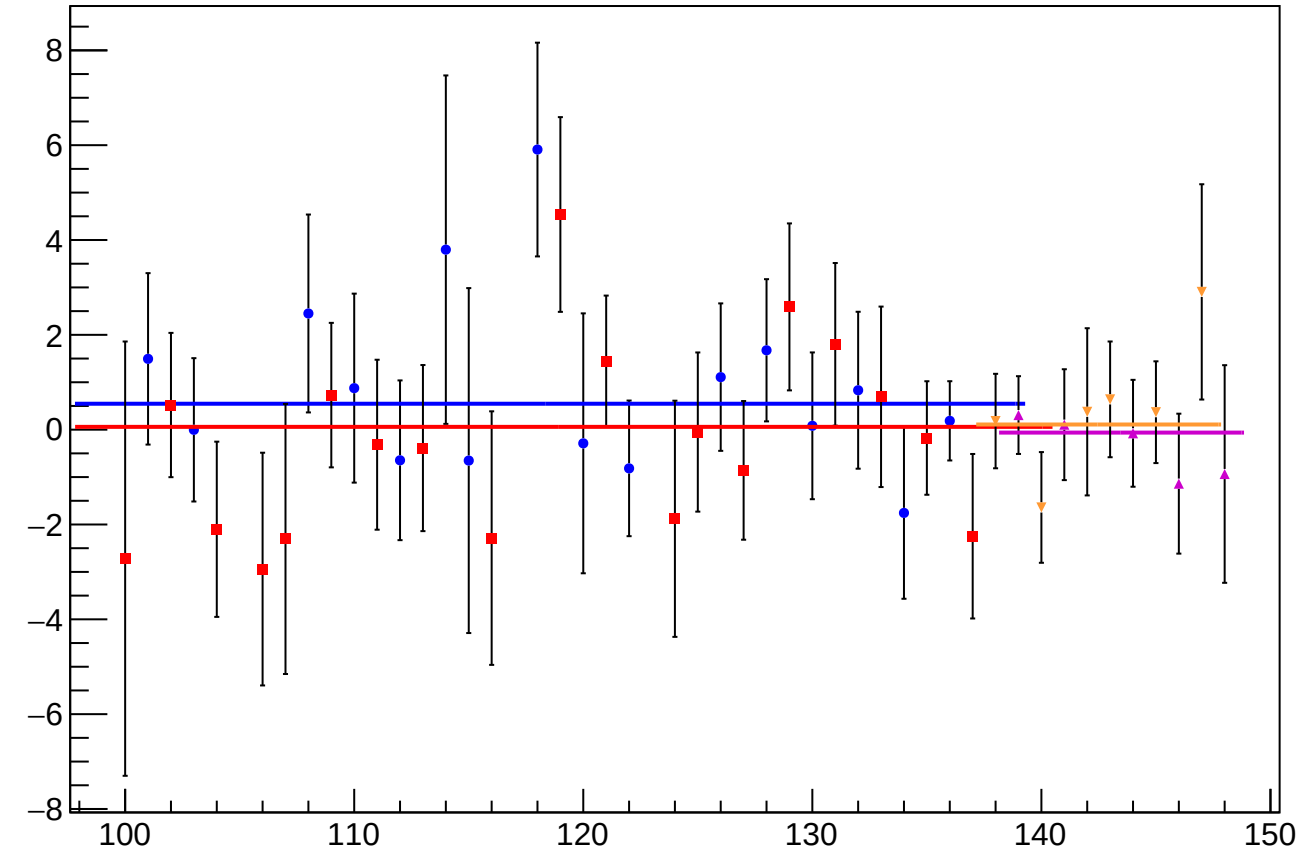
Left: 6239.354+/-1.510 χ^2/NDF: 480227.8/10

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6776.569+/-1.450 χ^2/NDF:1150645.3/20

Out: 6667.609+/-1.398 χ^2/NDF:1040044.3/24

All: 6720.094+/-1.006 χ^2/NDF: 2193617.3/45



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.109+/-0.513 χ^2/NDF:4.0/5

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.062+/-0.523 χ^2/NDF:0.9/4

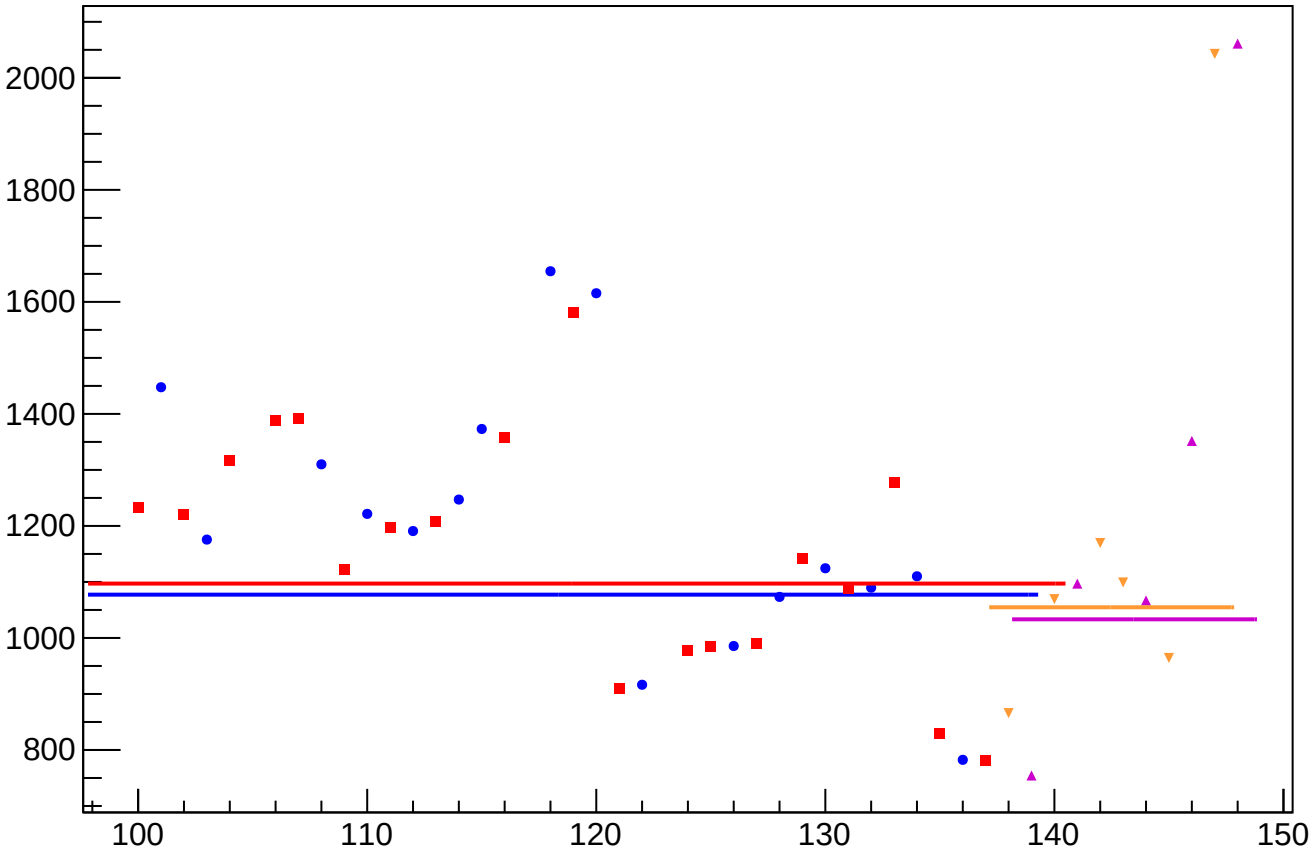
Left: 0.025+/-0.366 χ^2/NDF: 5.0/10

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.315+/-0.323 χ^2/NDF:13.7/20

Out: 0.079+/-0.320 χ^2/NDF:20.9/24

All: 0.195+/-0.227 χ^2/NDF: 34.8/45



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1054.764+/-0.363 χ^2/NDF:476375.1/5

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1033.264+/-0.370 χ^2/NDF:733230.1/4

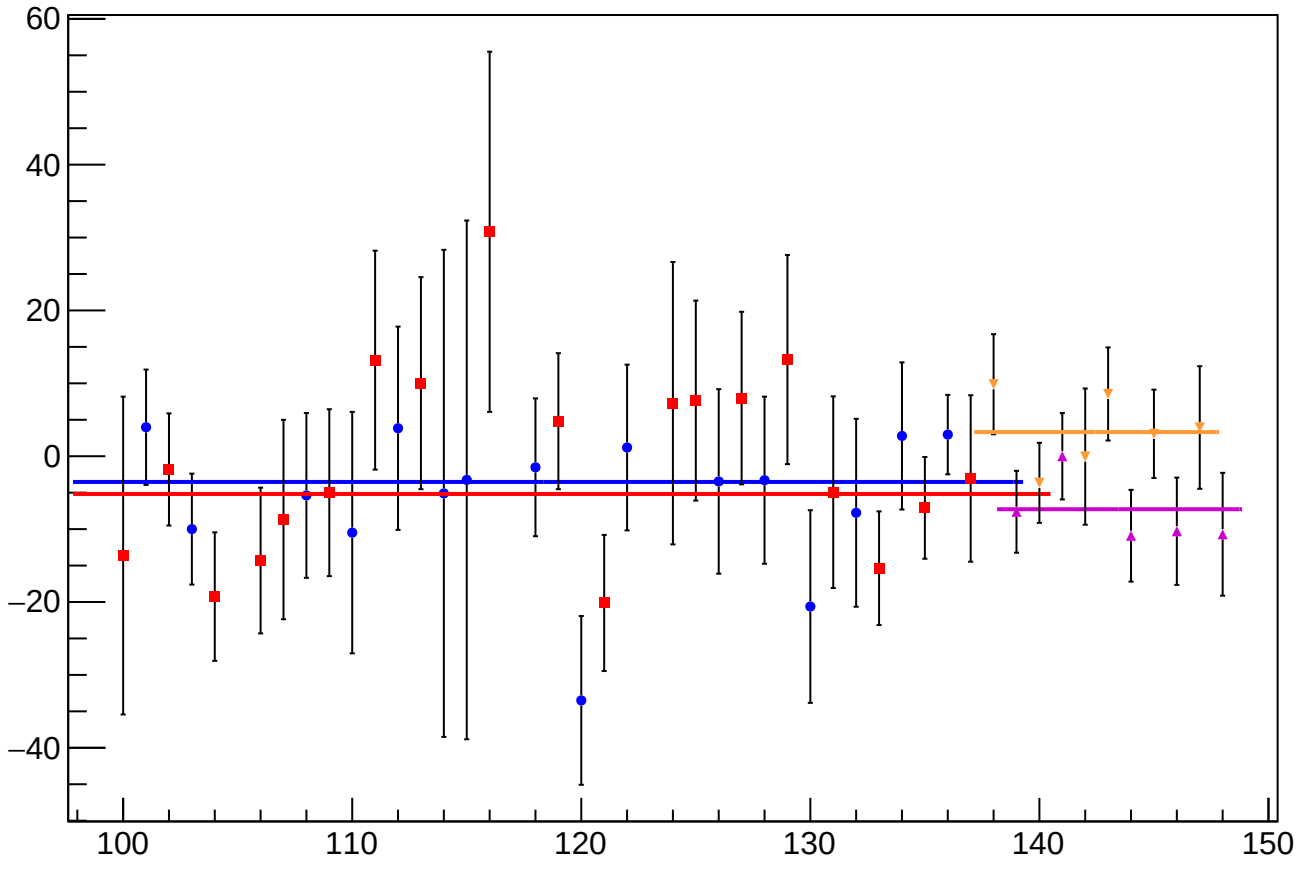
Left: 1044.219+/-0.259 χ^2/NDF: 1211326.8/10

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1060.501+/-0.228 χ^2/NDF:1388519.8/20

Out: 1080.668+/-0.226 χ^2/NDF:969074.8/24

All: 1070.689+/-0.161 χ^2/NDF: 2361530.6/45



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.312+/-2.755 χ^2/NDF:3.3/5

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -7.272+/-2.911 χ^2/NDF:2.2/4

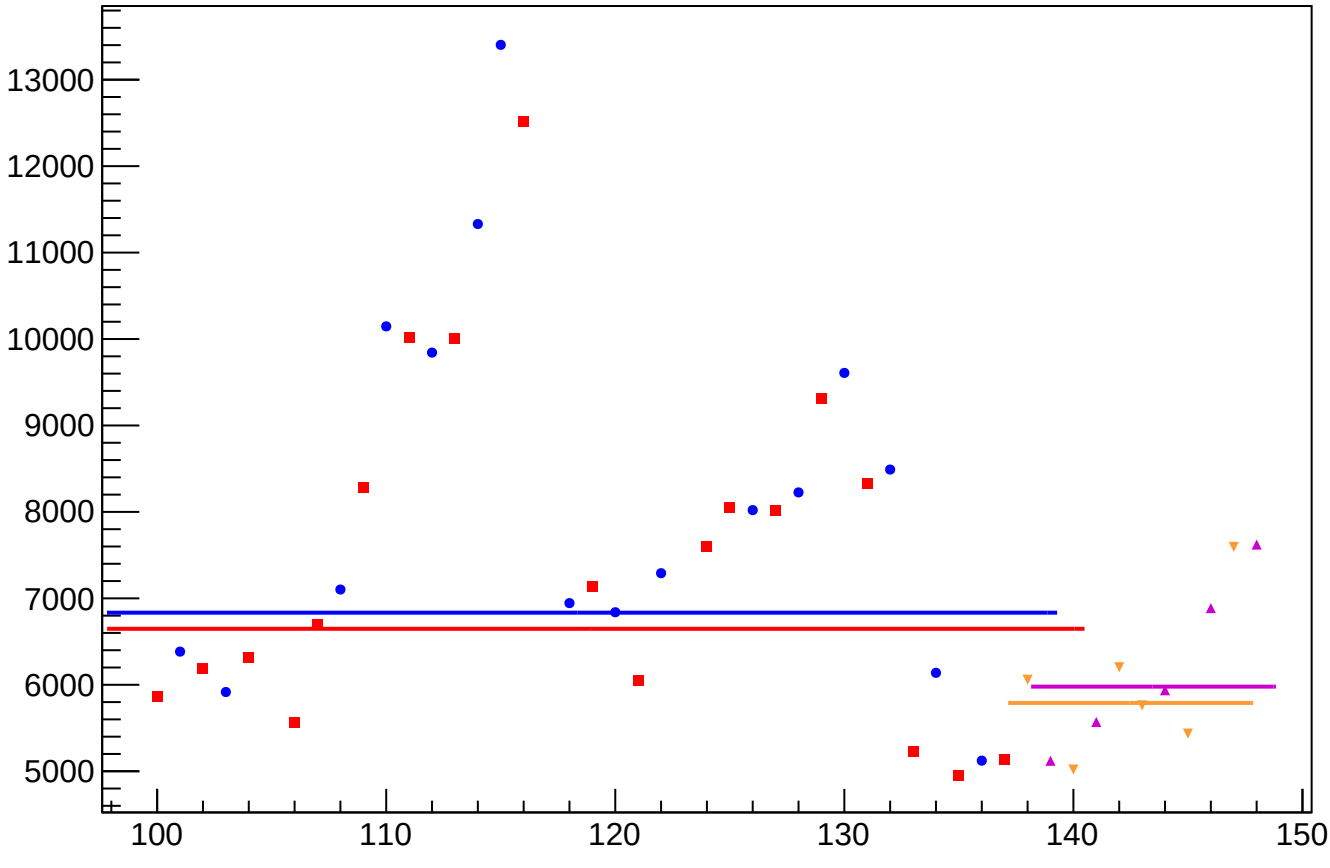
Left: -1.688+/-2.001 χ^2/NDF: 12.5/10

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -5.195+/-1.943 χ^2/NDF:15.7/20

Out: -1.329+/-1.854 χ^2/NDF:26.7/24

All: -3.172+/-1.341 χ^2/NDF: 44.5/45



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5790.088+/-1.948 χ^2/NDF:145369.7/5

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5978.891+/-2.058 χ^2/NDF:162884.4/4

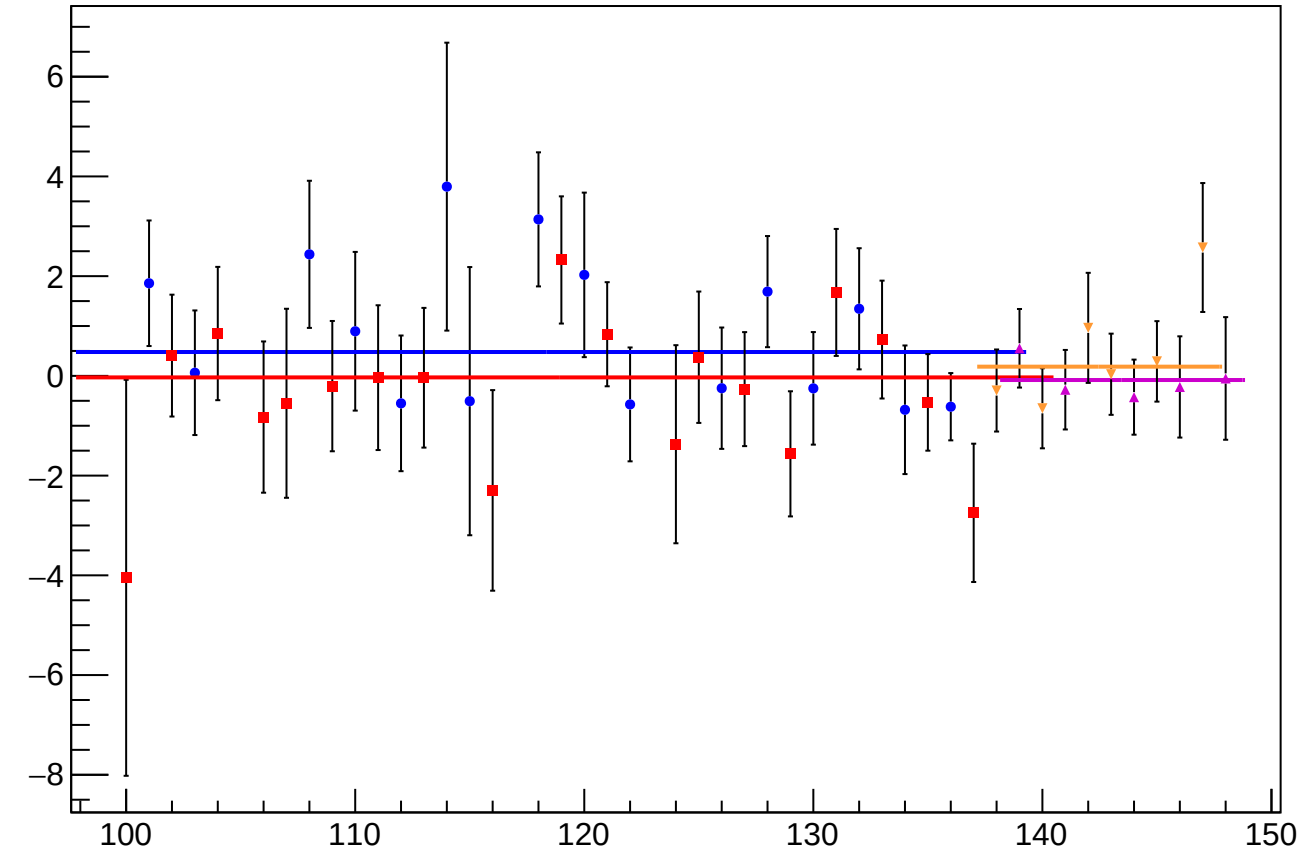
Left: 5879.278+/-1.415 χ^2/NDF: 312692.5/10

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6453.438+/-1.374 χ^2/NDF:951410.7/20

Out: 6259.167+/-1.311 χ^2/NDF:1036541.7/24

All: 6351.798+/-0.948 χ^2/NDF: 1998417.6/45



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.185+/-0.365 χ^2/NDF:5.4/5

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.083+/-0.390 χ^2/NDF:0.9/4

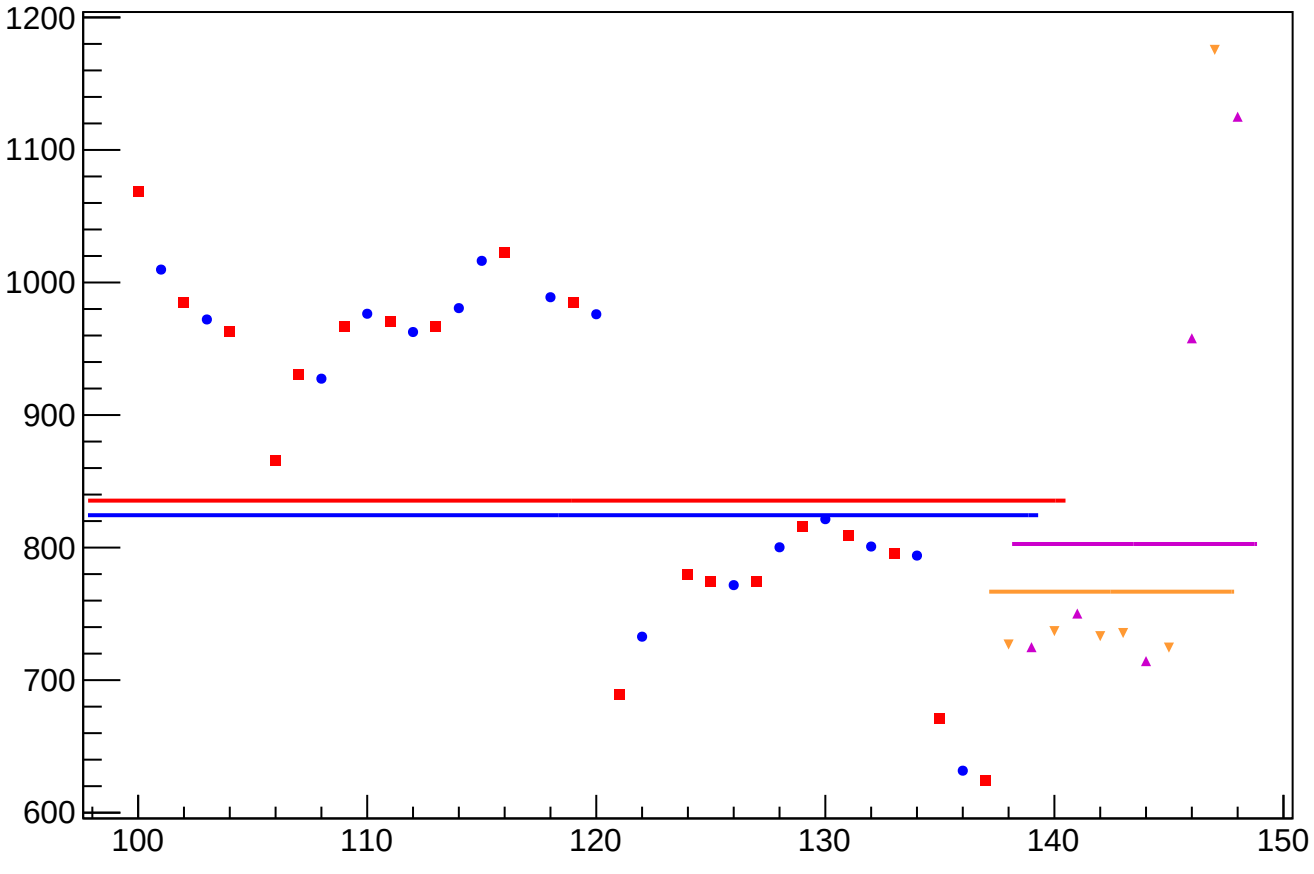
Left: 0.060+/-0.267 χ^2/NDF: 6.6/10

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.261+/-0.243 χ^2/NDF:18.9/20

Out: 0.059+/-0.236 χ^2/NDF:21.3/24

All: 0.157+/-0.169 χ^2/NDF: 40.6/45



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 766.741+/-0.258 χ^2/NDF:217579.5/5

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 802.712+/-0.276 χ^2/NDF:239908.8/4

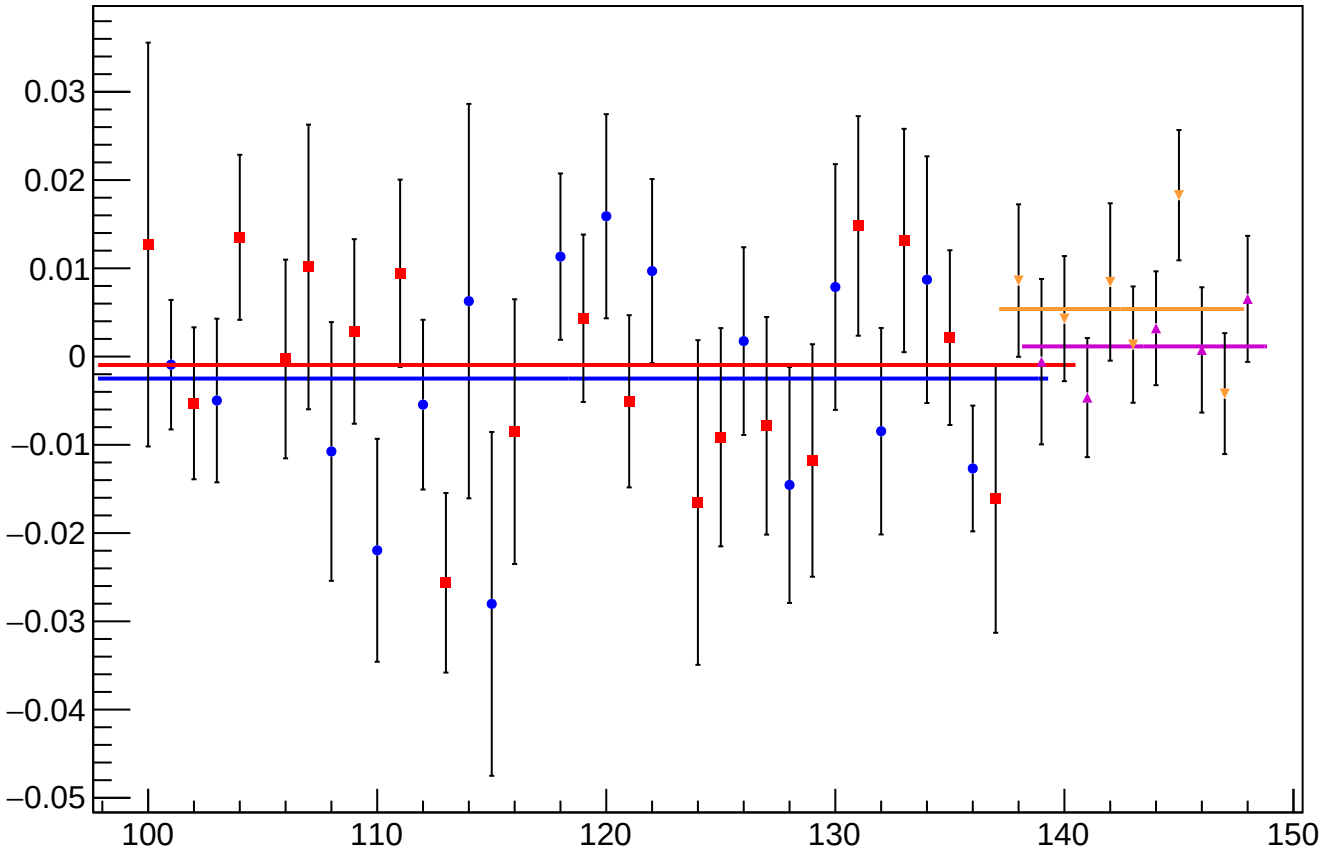
Left: 783.561+/-0.189 χ^2/NDF: 466552.9/10

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 815.991+/-0.172 χ^2/NDF:609165.7/20

Out: 806.841+/-0.167 χ^2/NDF:578151.7/24

All: 811.277+/-0.120 χ^2/NDF: 1188778.5/45



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.003 χ^2/NDF:5.7/5

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.003 χ^2/NDF:1.4/4

Left: 0.003+/-0.002 χ^2/NDF: 8.0/10

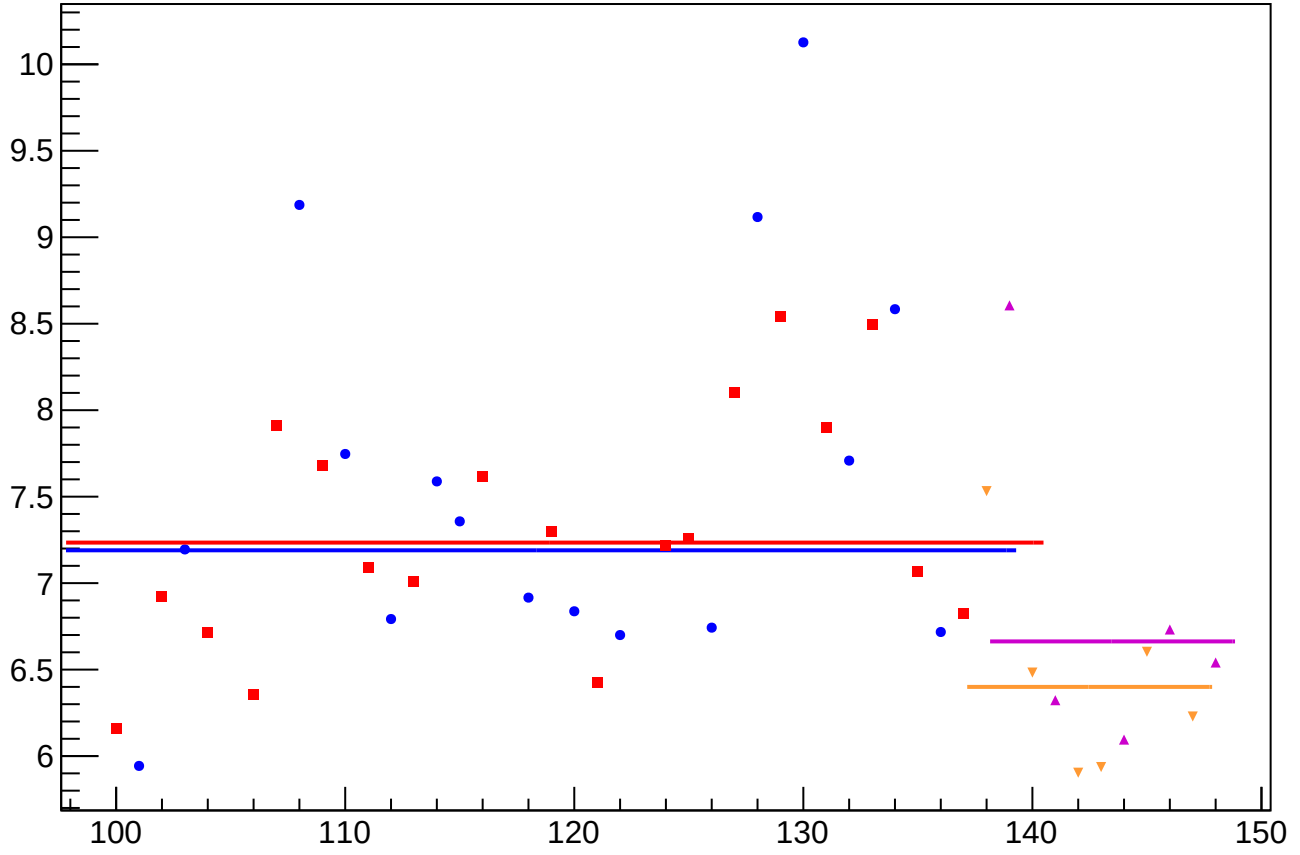
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:17.5/20

Out: 0.002+/-0.002 χ^2/NDF:25.4/24

All: 0.000+/-0.001 χ^2/NDF: 43.8/45

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.400+/-0.002 χ^2/NDF:53467.6/5

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.663+/-0.002 χ^2/NDF:107305.6/4

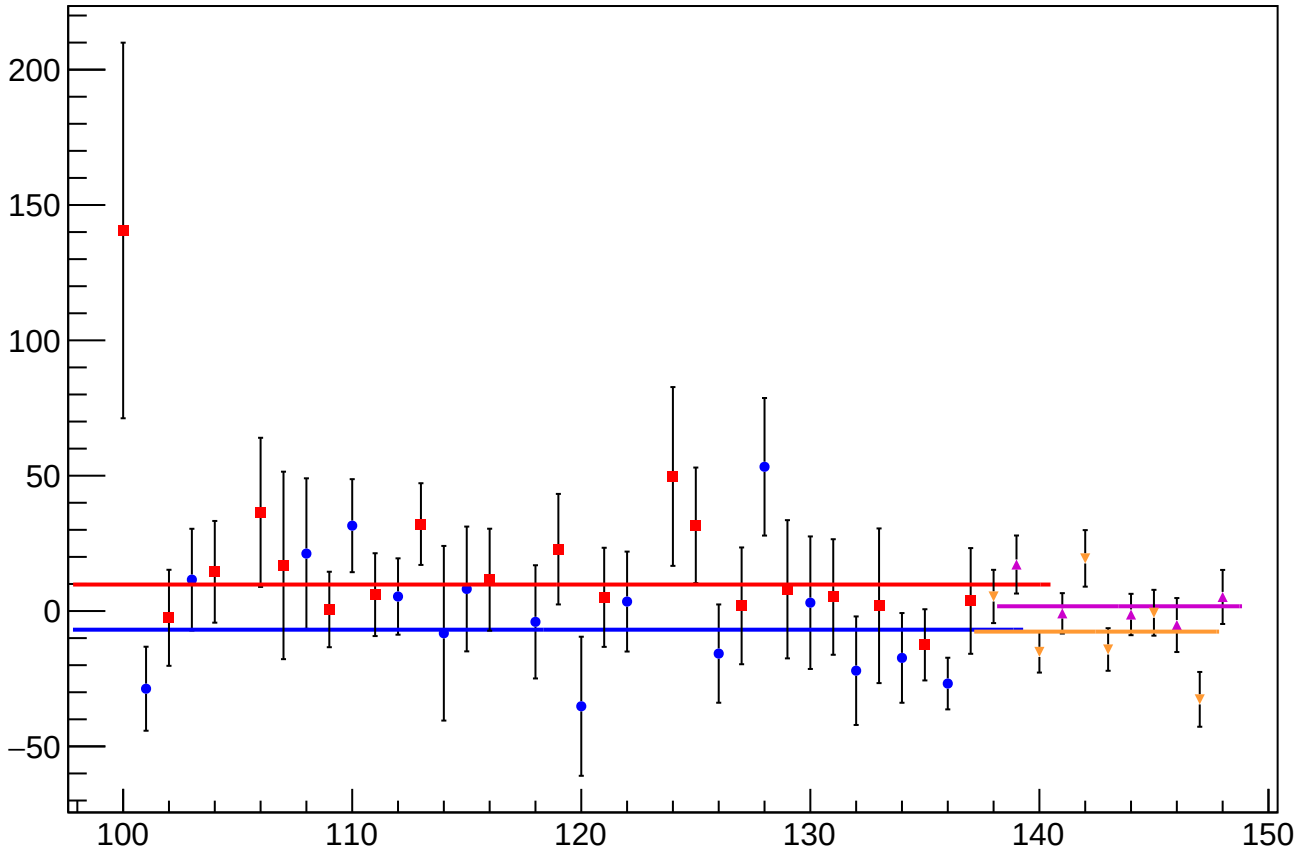
Left: 6.524+/-0.002 χ^2/NDF: 167853.6/10

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 6.971+/-0.001 χ^2/NDF:416357.1/20

Out: 6.872+/-0.001 χ^2/NDF:245257.4/24

All: 6.920+/-0.001 χ^2/NDF: 663973.4/45



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -7.602+/-3.615 χ^2/NDF:16.9/5

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.760+/-3.956 χ^2/NDF:3.0/4

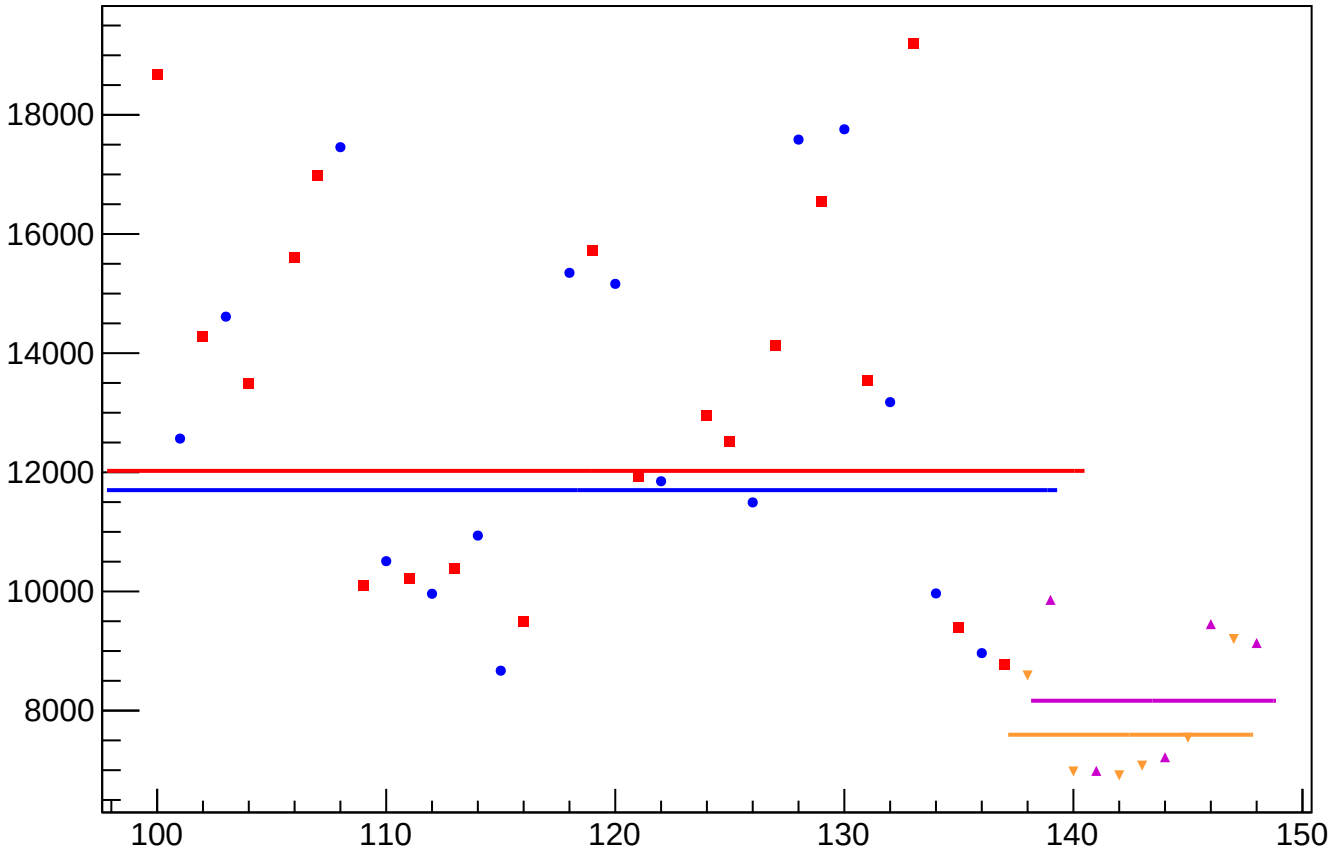
Left: -3.342+/-2.669 χ^2/NDF: 22.9/10

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.022+/-2.968 χ^2/NDF:28.1/20

Out: -0.813+/-2.822 χ^2/NDF:39.9/24

All: -1.387+/-2.045 χ^2/NDF: 68.1/45



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7595.108+/-2.556 χ^2/NDF:101179.5/5

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8165.789+/-2.797 χ^2/NDF:182638.4/4

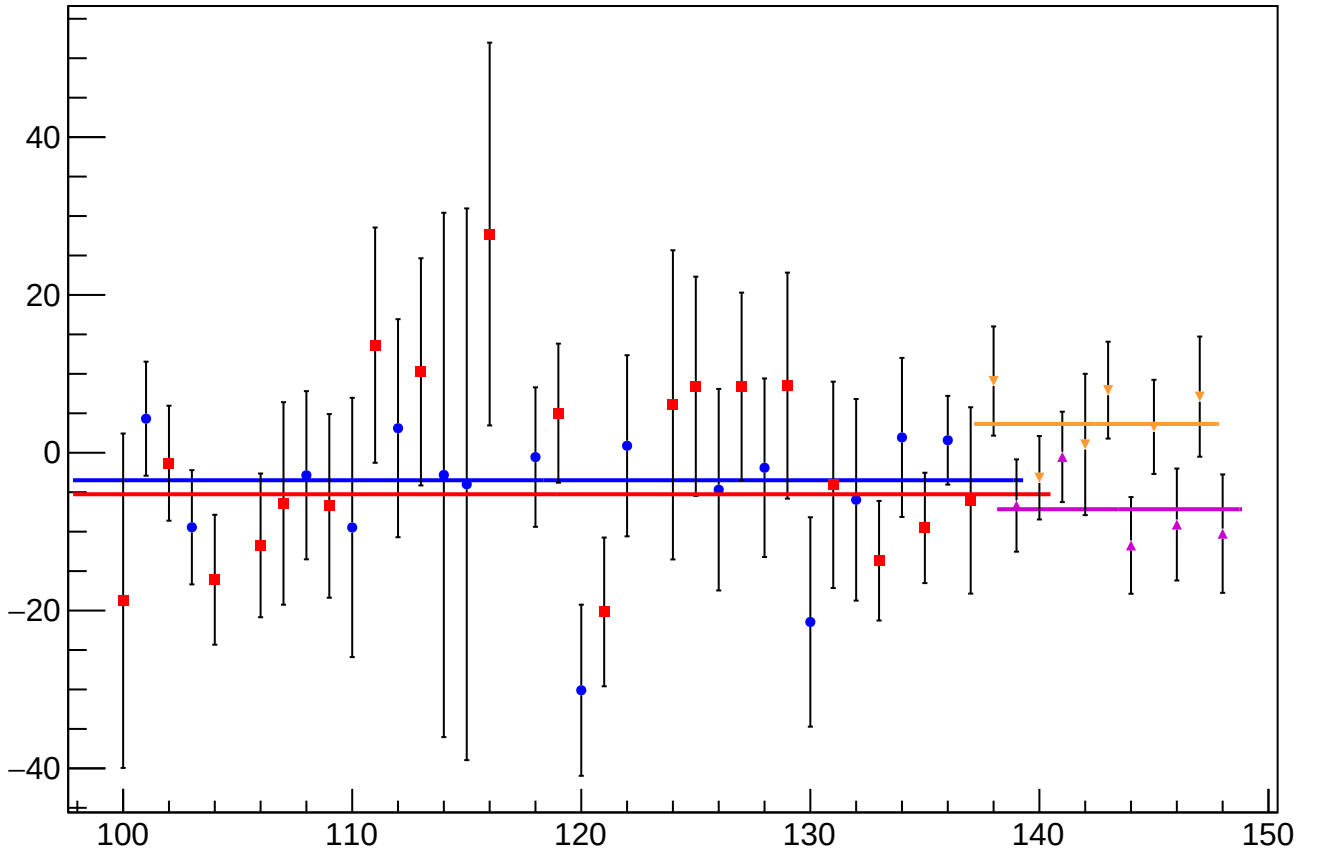
Left: 7854.760+/-1.887 χ^2/NDF: 306499.0/10

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9711.340+/-2.099 χ^2/NDF:1620932.8/20

Out: 9324.047+/-1.996 χ^2/NDF:1958107.9/24

All: 9507.968+/-1.446 χ^2/NDF: 3596924.9/45



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.652+/-2.663 χ^2/NDF:3.1/5

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -7.157+/-2.840 χ^2/NDF:2.2/4

Left: -1.405+/-1.943 χ^2/NDF: 12.9/10

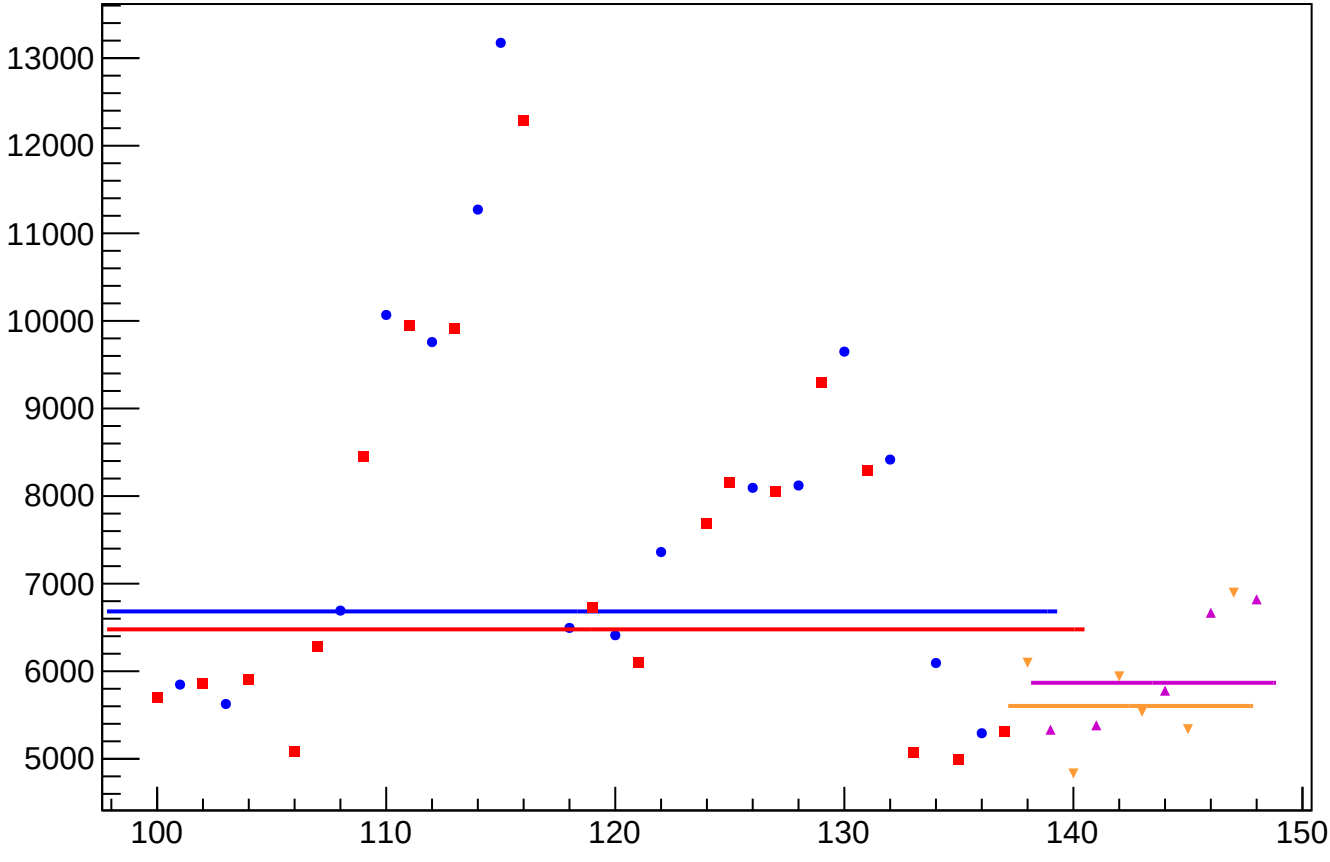
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -5.124+/-1.897 χ^2/NDF:14.6/20

Out: -1.181+/-1.802 χ^2/NDF:25.7/24

All: -3.050+/-1.306 χ^2/NDF: 42.6/45

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5603.901+/-1.883 χ^2/NDF:117405.3/5

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5868.394+/-2.008 χ^2/NDF:89295.7/4

Left: 5727.640+/-1.374 χ^2/NDF: 215932.0/10

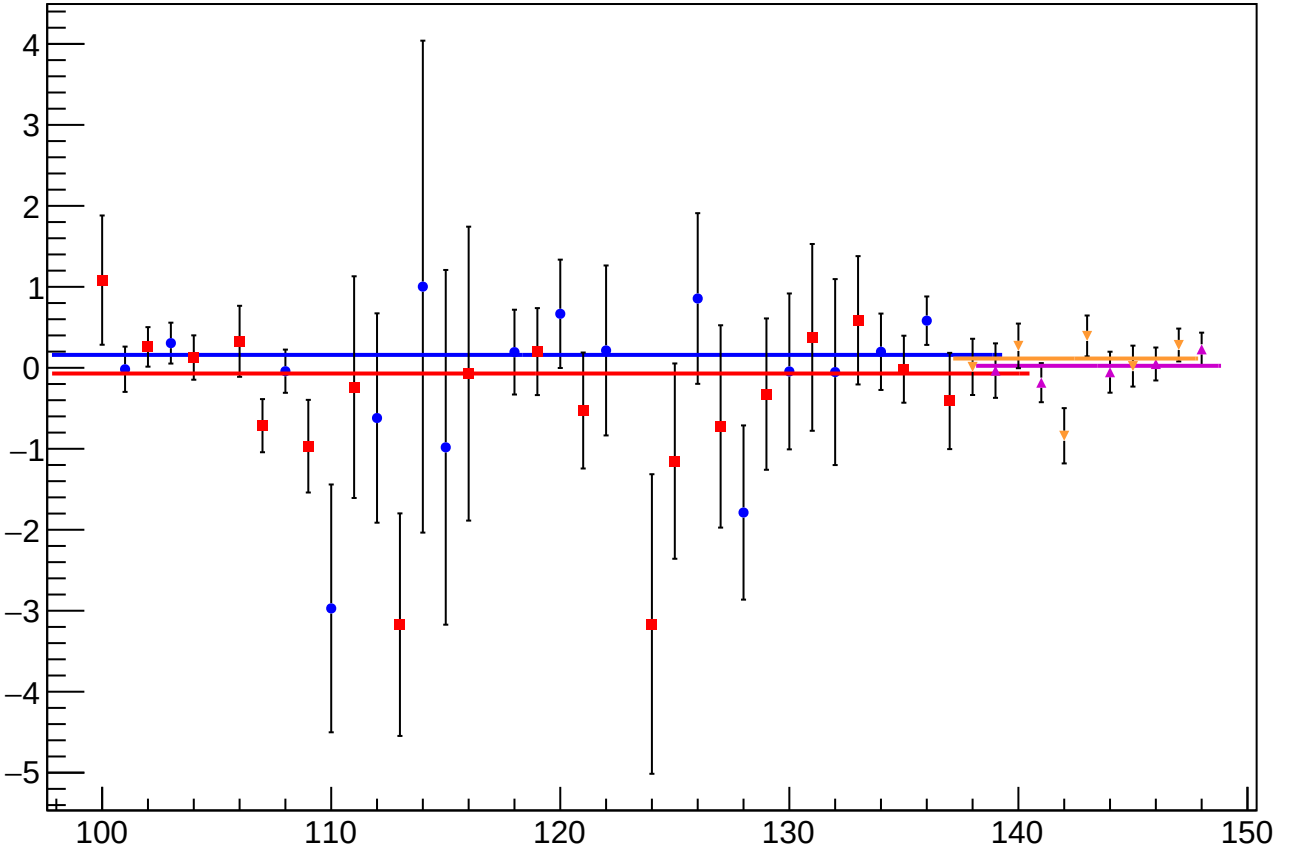
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6319.462+/-1.342 χ^2/NDF:872602.6/20

Out: 6078.003+/-1.274 χ^2/NDF:1073532.8/24

All: 6192.486+/-0.924 χ^2/NDF: 1963170.1/45

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.115+/-0.108 χ^2/NDF:10.3/5

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: 0.025+/-0.106 χ^2/NDF:1.9/4

Left: 0.069+/-0.076 χ^2/NDF: 12.5/10

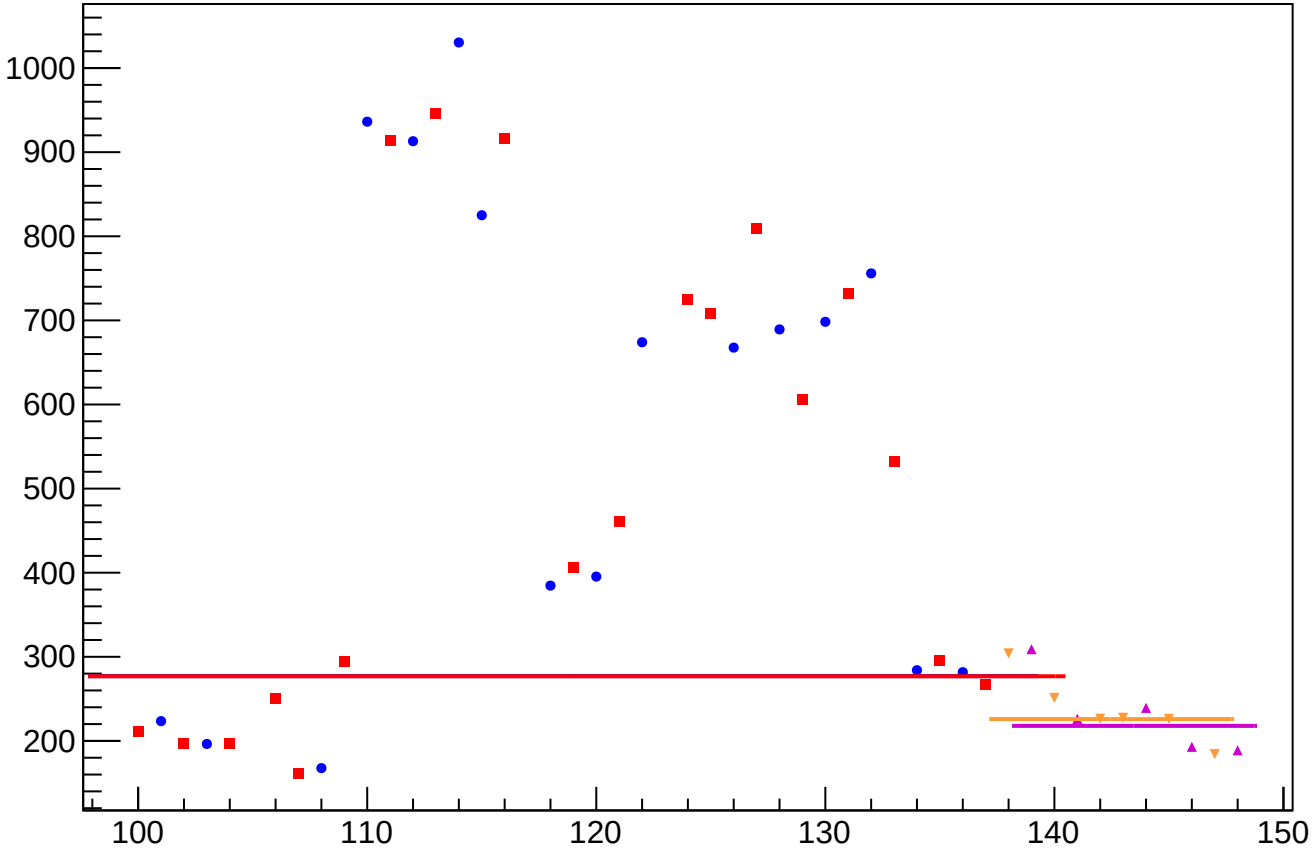
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.084+/-0.079 χ^2/NDF:15.1/20

Out: 0.032+/-0.080 χ^2/NDF:34.0/24

All: 0.058+/-0.056 χ^2/NDF: 49.4/45

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 225.919+/-0.076 χ^2/NDF:202630.7/5

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 217.882+/-0.075 χ^2/NDF:233221.4/4

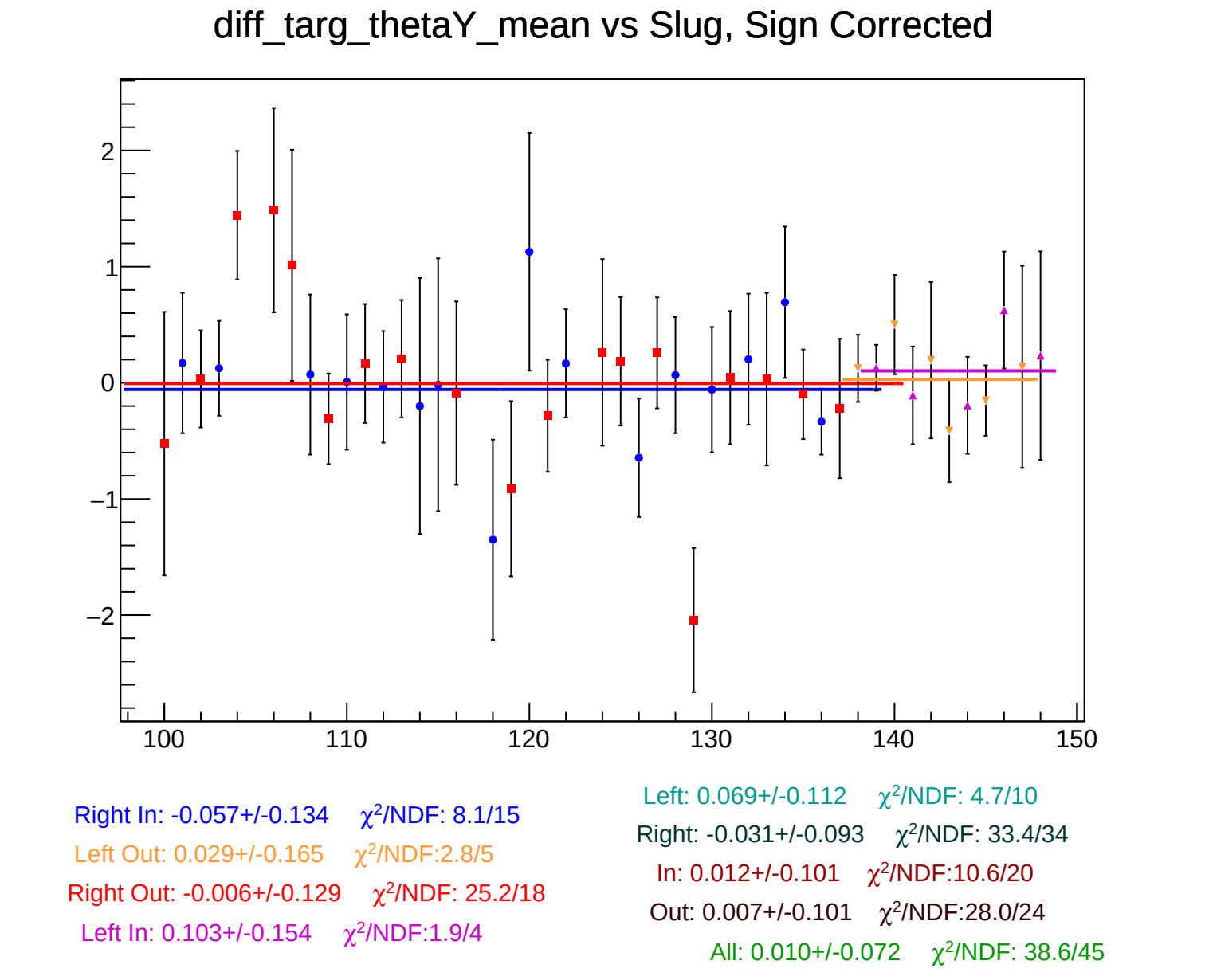
Left: 221.818+/-0.053 χ^2/NDF: 441503.5/10

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

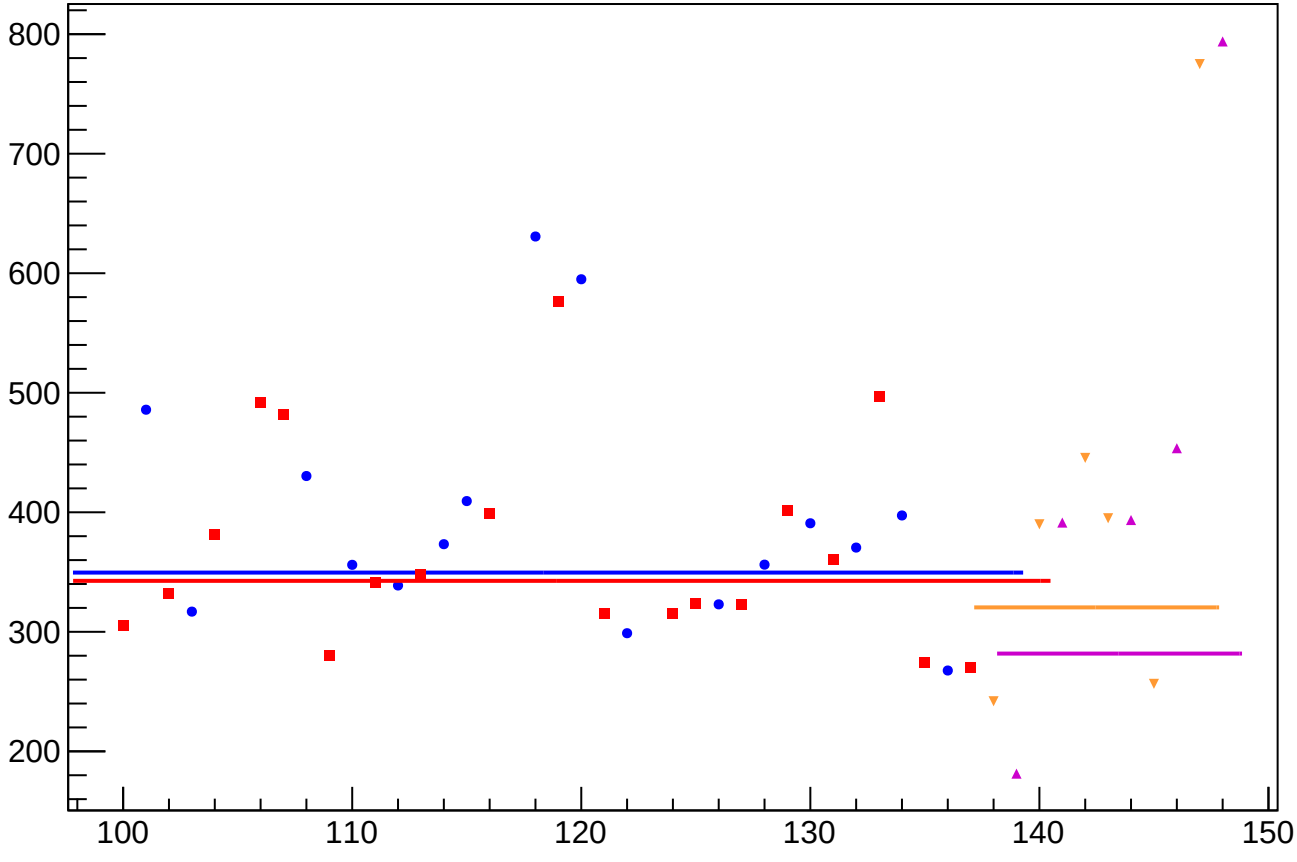
In: 243.848+/-0.056 χ^2/NDF:3958094.2/20

Out: 248.779+/-0.057 χ^2/NDF:3973994.8/24

All: 246.284+/-0.040 χ^2/NDF: 7935917.0/45


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.029+/-0.165 χ²/NDF:2.8/5
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.103+/-0.154 χ²/NDF:1.9/4
Left: 0.069+/-0.112 χ²/NDF: 4.7/10
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: 0.012+/-0.101 χ²/NDF:10.6/20
Out: 0.007+/-0.101 χ²/NDF:28.0/24
All: 0.010+/-0.072 χ²/NDF: 38.6/45

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 320.430+/-0.116 χ^2/NDF:960810.9/5

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 281.789+/-0.109 χ^2/NDF:1680035.8/4

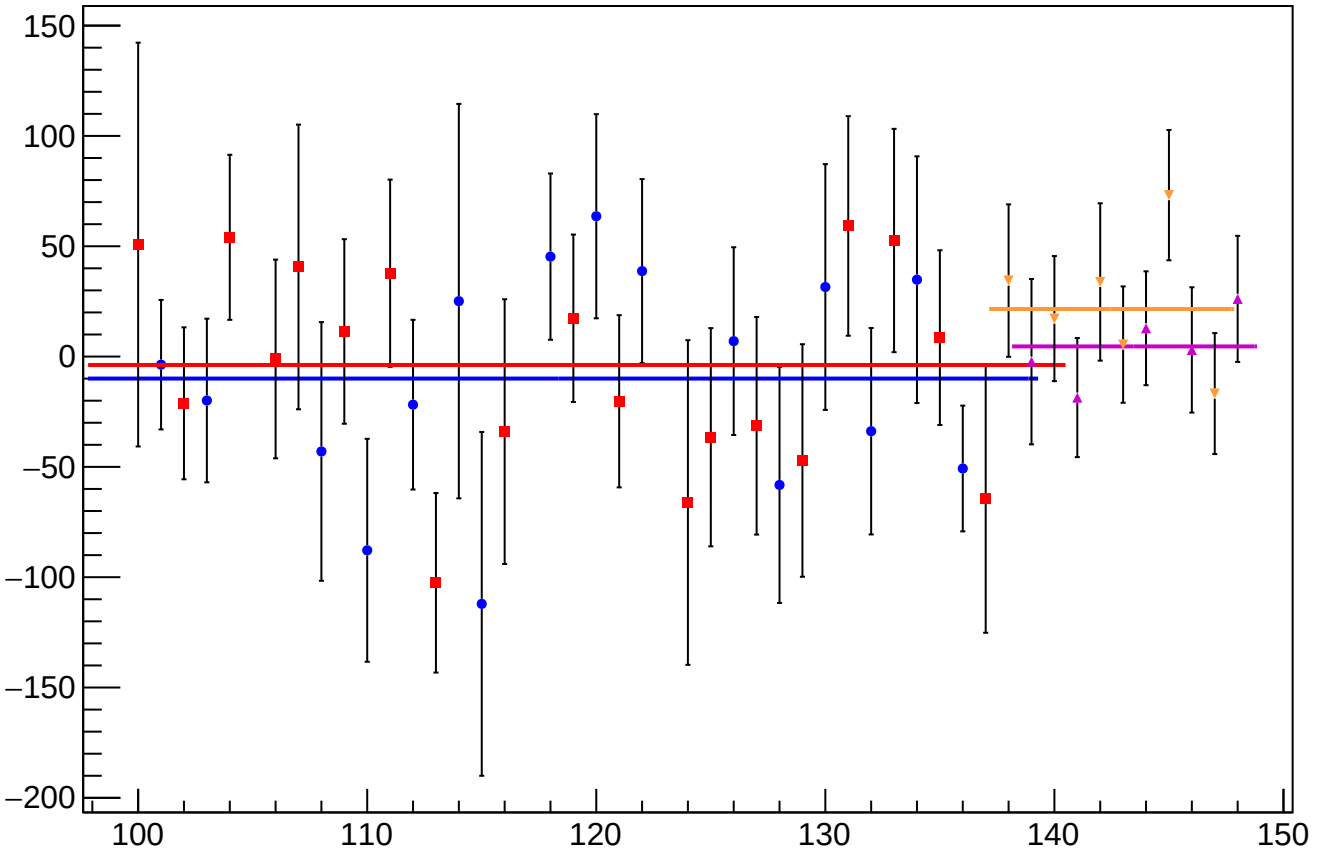
Left: 299.825+/-0.079 χ^2/NDF: 2699674.7/10

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 320.391+/-0.071 χ^2/NDF:2600169.9/20

Out: 334.191+/-0.072 χ^2/NDF:1559155.3/24

All: 327.257+/-0.051 χ^2/NDF: 4177908.2/45



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.602+/-12.856 χ^2/NDF:1.4/4

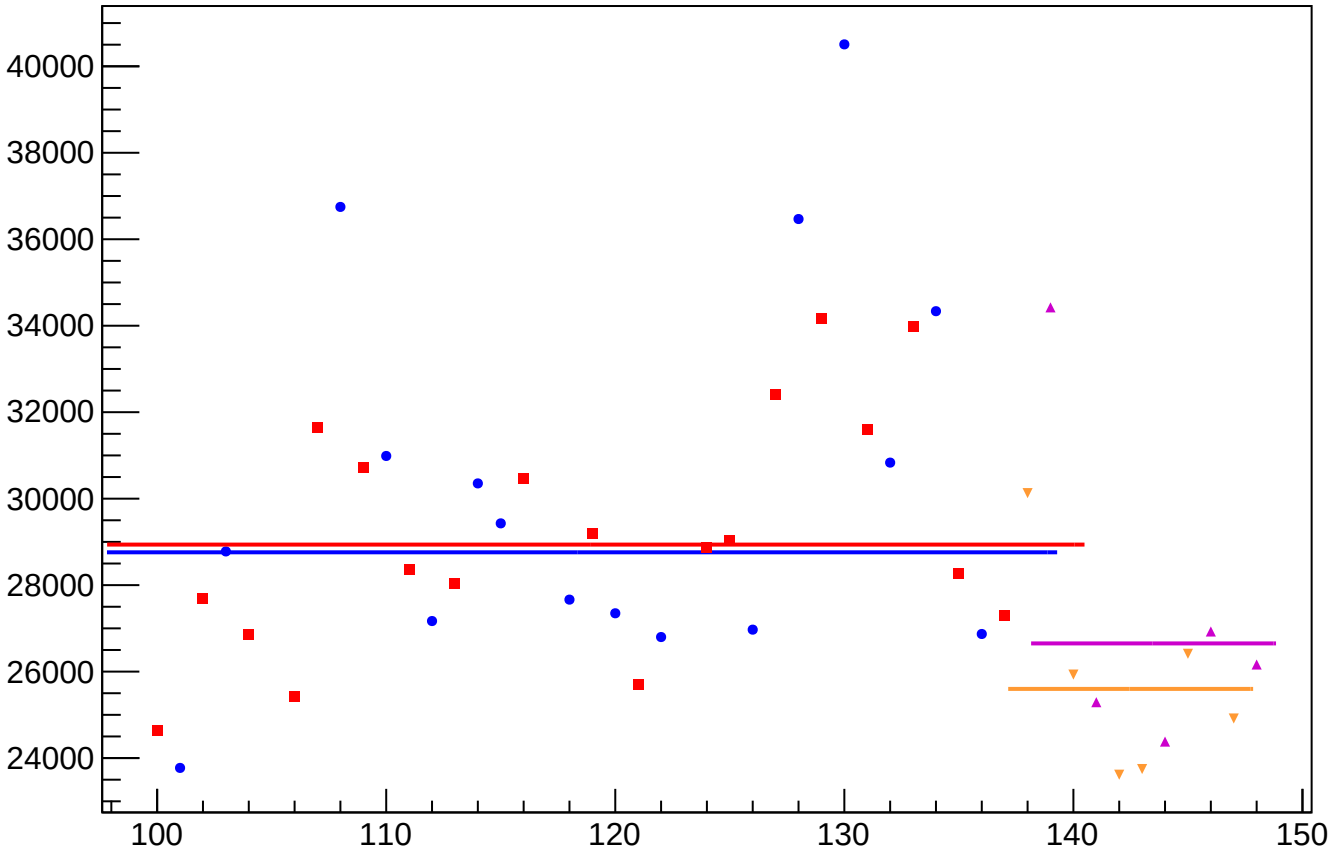
Left: 13.564+/-8.827 χ^2/NDF: 8.0/10

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

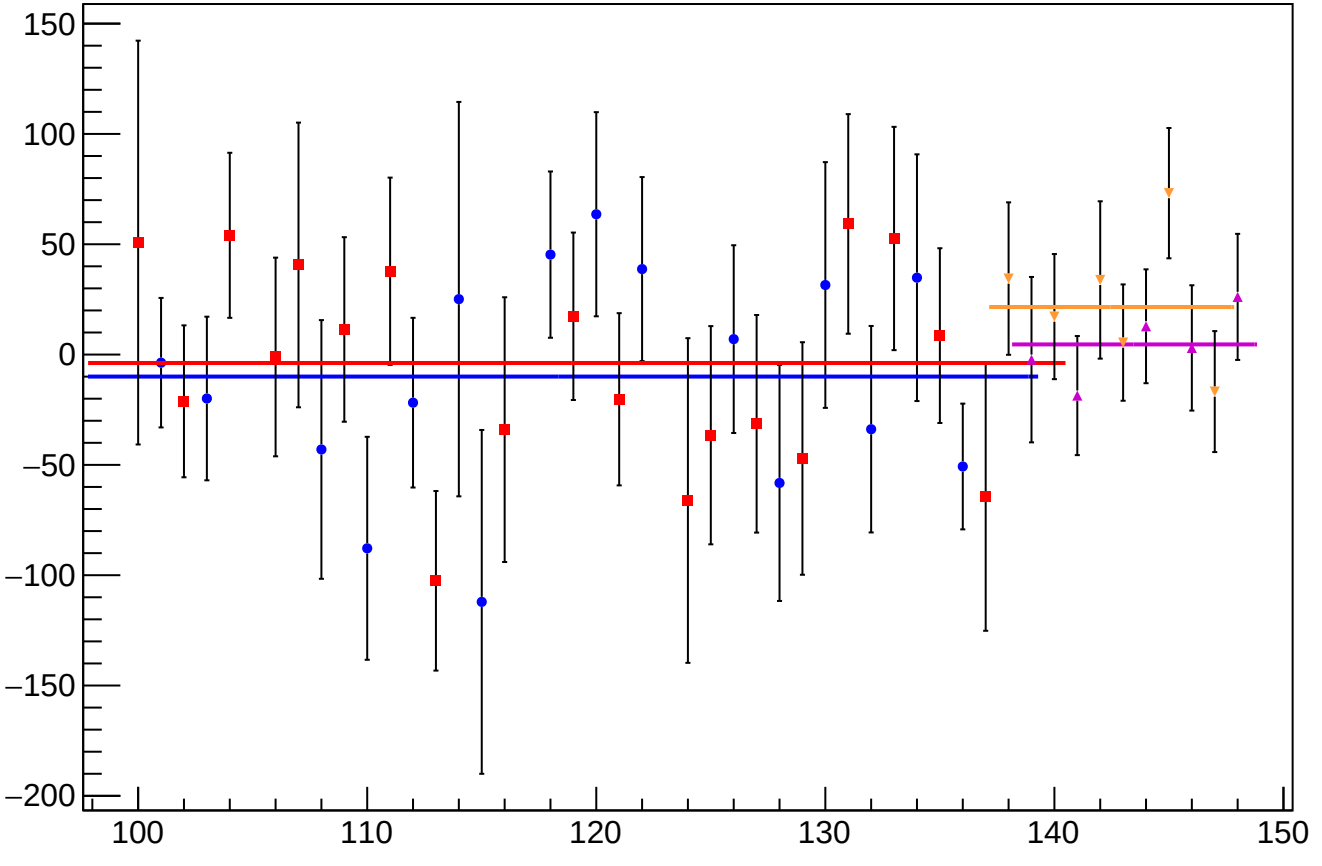
In: -3.917+/-8.286 χ^2/NDF:17.5/20

Out: 7.203+/-8.000 χ^2/NDF:25.4/24

All: 1.838+/-5.755 χ^2/NDF: 43.8/45


diff_bpmE_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
110
120
130
140
150
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 25599.838+/-8.585 χ²/NDF:53467.6/5
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 26651.955+/-9.091 χ²/NDF:107305.6/4
Left: 26095.830+/-6.242 χ²/NDF: 167853.6/10
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 27883.849+/-5.859 χ²/NDF:416357.1/20
Out: 27488.286+/-5.657 χ²/NDF:245257.4/24
All: 27679.144+/-4.070 χ²/NDF: 663973.4/45

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.602+/-12.856 χ^2/NDF:1.4/4

Left: 13.564+/-8.827 χ^2/NDF: 8.0/10

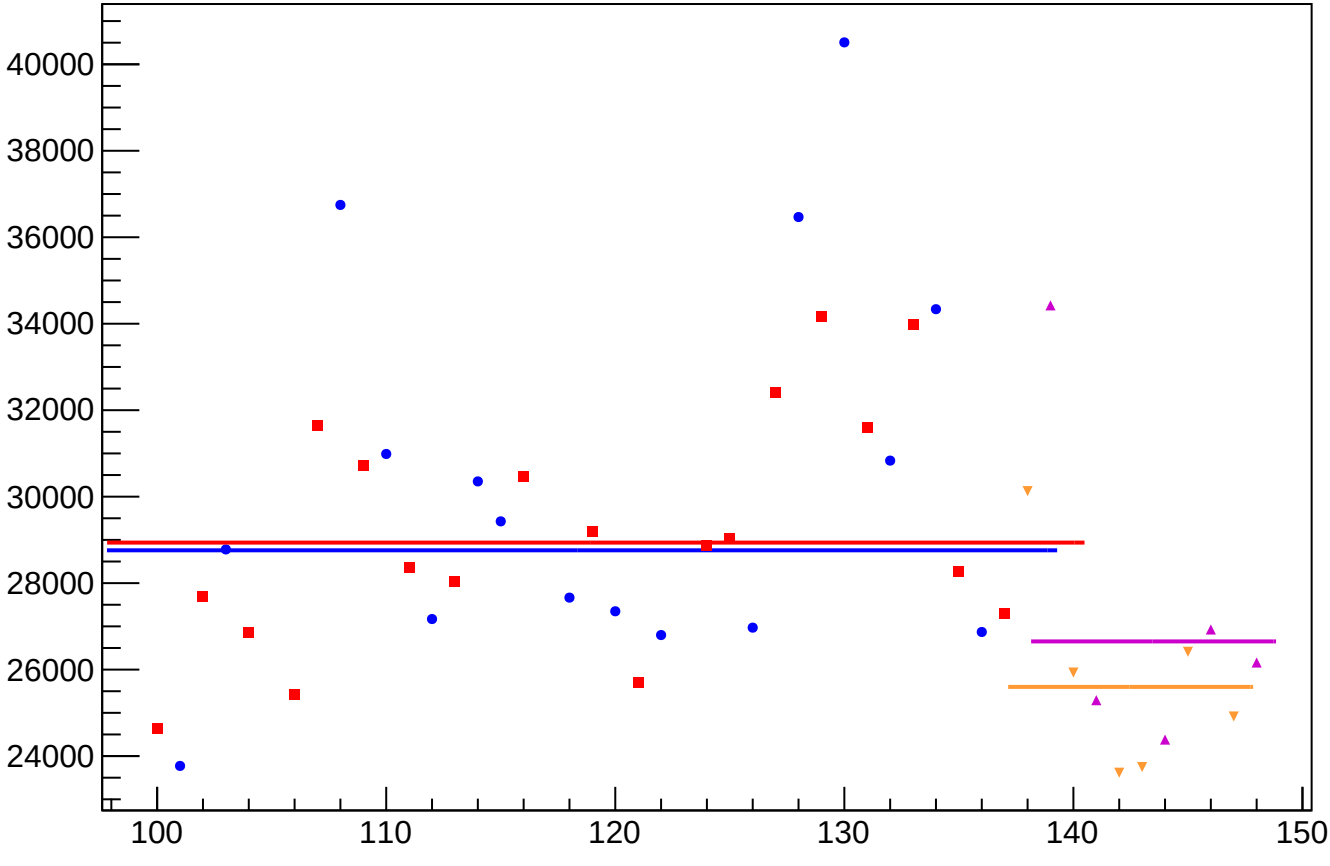
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.917+/-8.286 χ^2/NDF:17.5/20

Out: 7.203+/-8.000 χ^2/NDF:25.4/24

All: 1.838+/-5.755 χ^2/NDF: 43.8/45

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

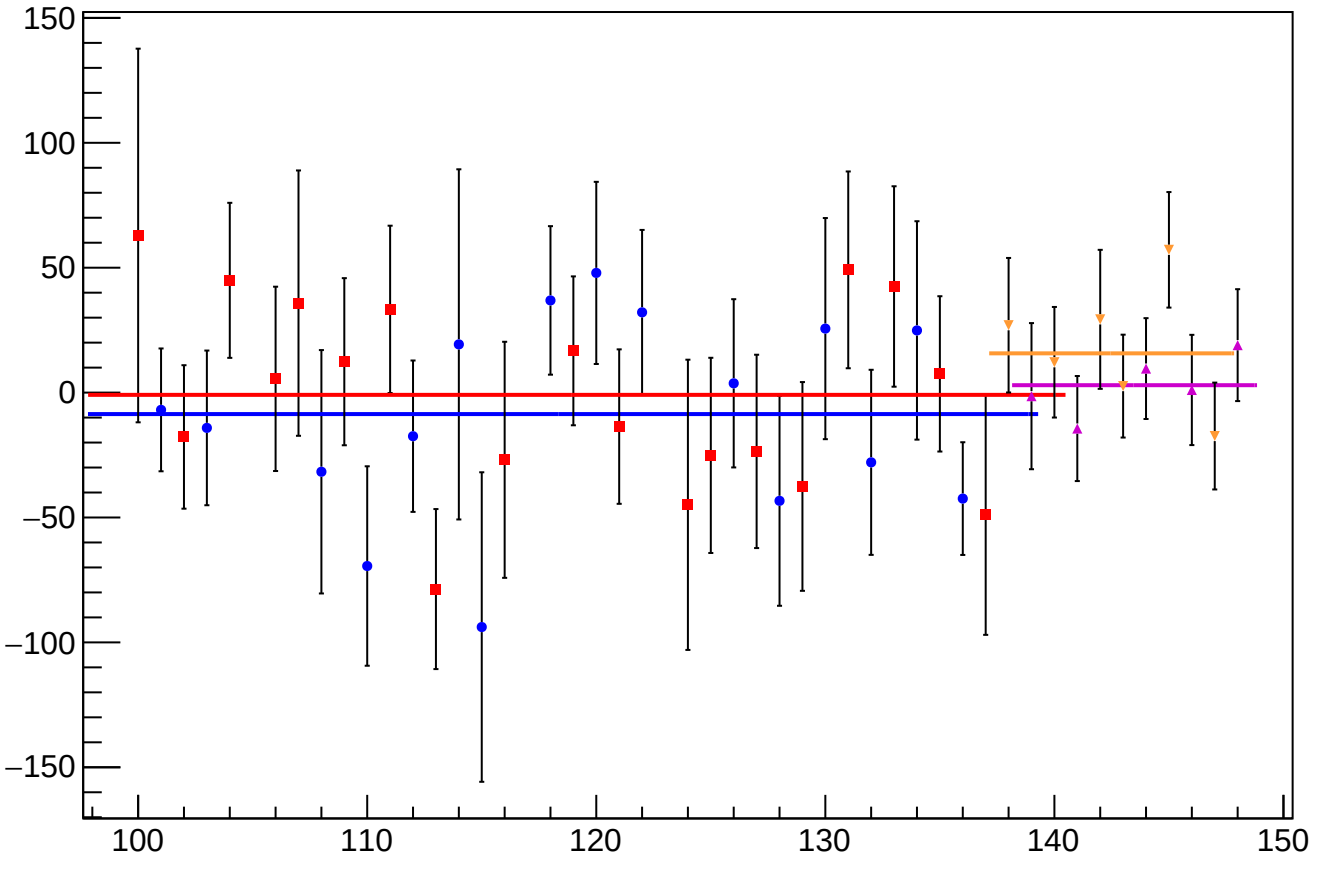
Left: 26095.830+/-6.242 χ^2/NDF: 167853.6/10

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

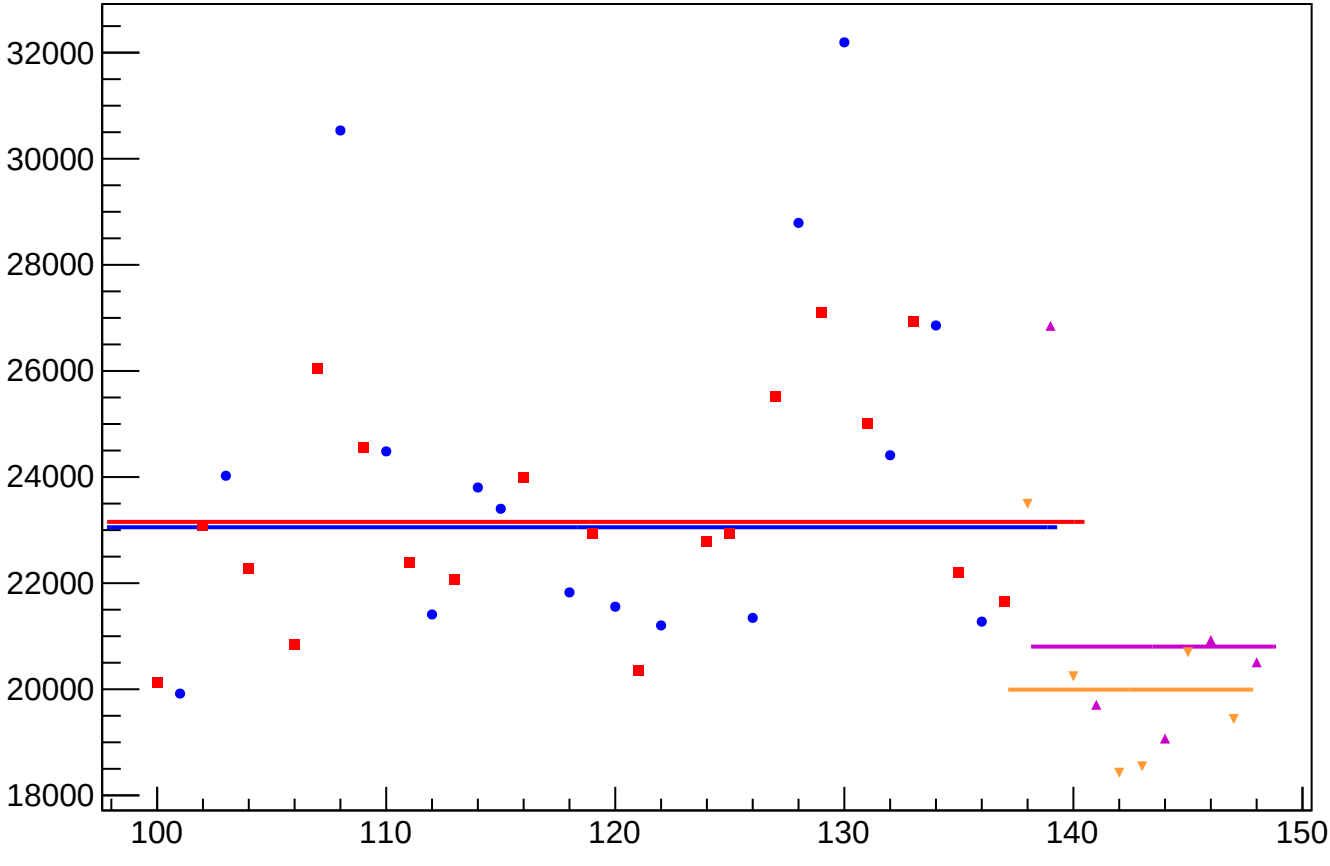
In: 27883.849+/-5.859 χ^2/NDF:416357.1/20

Out: 27488.286+/-5.657 χ^2/NDF:245257.4/24

All: 27679.144+/-4.070 χ^2/NDF: 663973.4/45


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 15.713+/-9.481 χ²/NDF:6.5/5
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 2.964+/-10.035 χ²/NDF:1.3/4
Left: 9.700+/-6.891 χ²/NDF: 8.6/10
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -3.651+/-6.564 χ²/NDF:17.6/20
Out: 6.507+/-6.331 χ²/NDF:25.7/24
All: 1.611+/-4.557 χ²/NDF: 44.6/45

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 19993.540+/-6.704 χ^2/NDF:53472.1/5

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20804.367+/-7.096 χ^2/NDF:106033.3/4

Left: 20375.957+/-4.873 χ^2/NDF: 166404.7/10

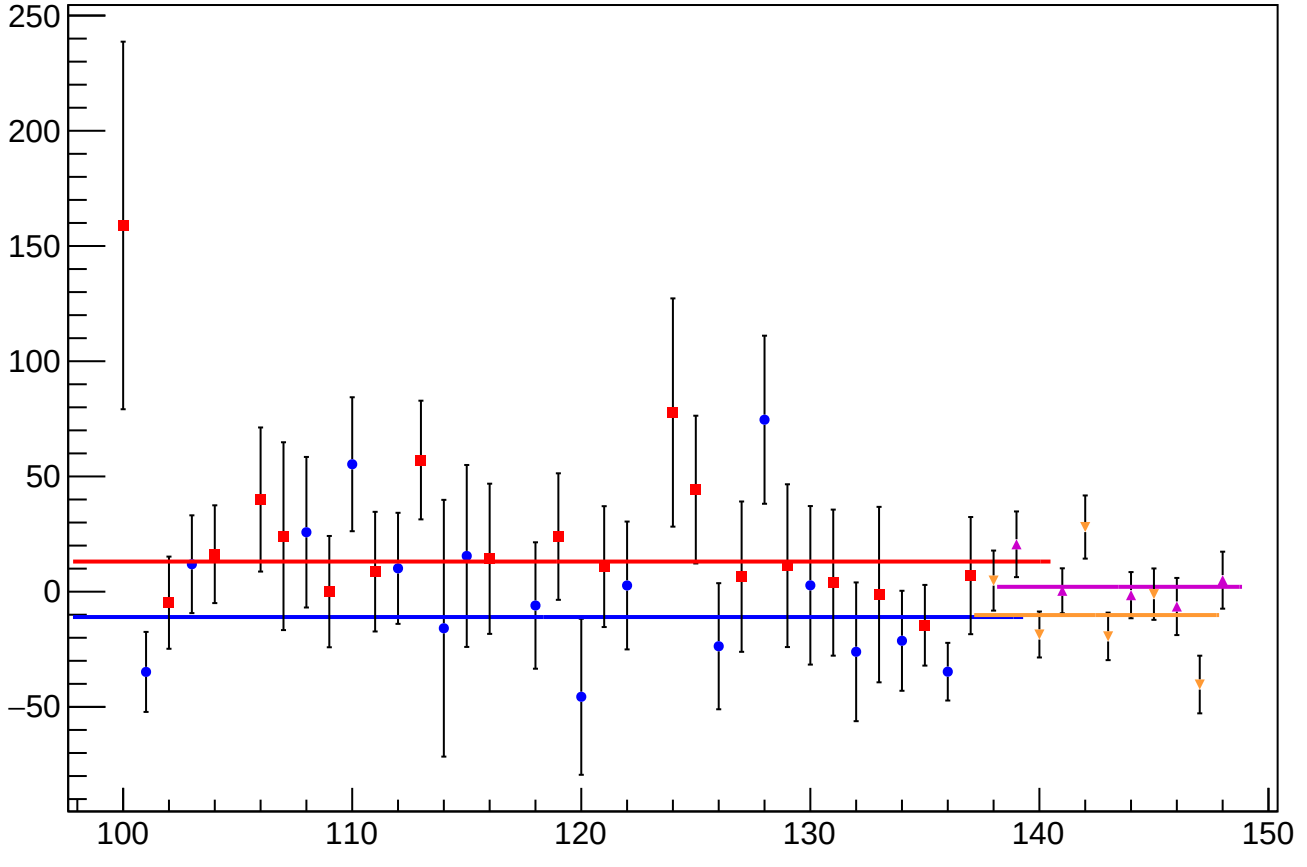
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22091.324+/-4.642 χ^2/NDF:424979.9/20

Out: 21745.261+/-4.477 χ^2/NDF:270600.5/24

All: 21912.046+/-3.222 χ^2/NDF: 698460.3/45

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -10.149+/-4.707 χ^2/NDF:17.1/5

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 2.106+/-5.100 χ^2/NDF:2.4/4

Left: -4.512+/-3.459 χ^2/NDF: 22.6/10

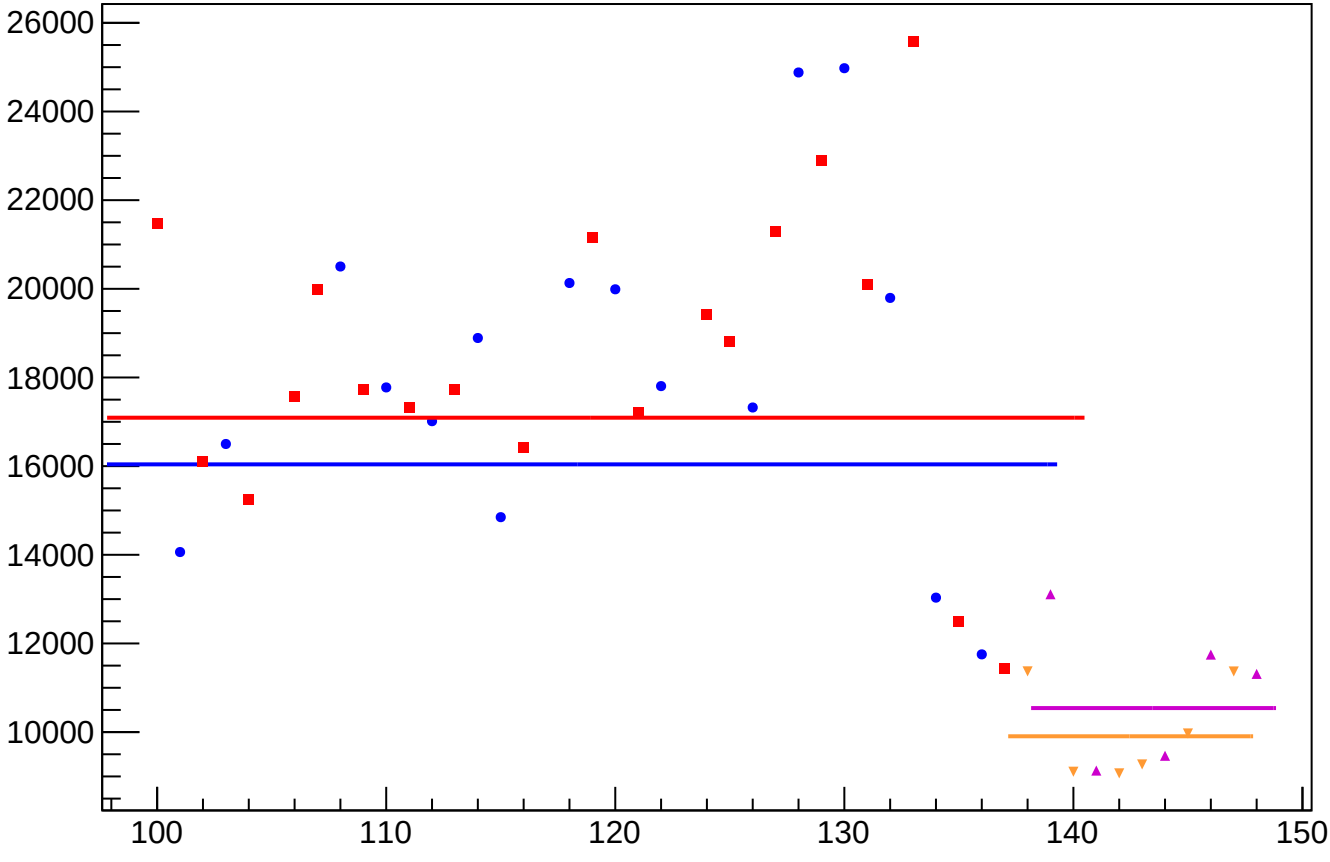
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -3.230+/-3.927 χ^2/NDF:27.1/20

Out: -1.967+/-3.788 χ^2/NDF:39.5/24

All: -2.576+/-2.726 χ^2/NDF: 66.7/45

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9905.893+/-3.329 χ^2/NDF:80568.3/5

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10542.227+/-3.606 χ^2/NDF:156477.1/4

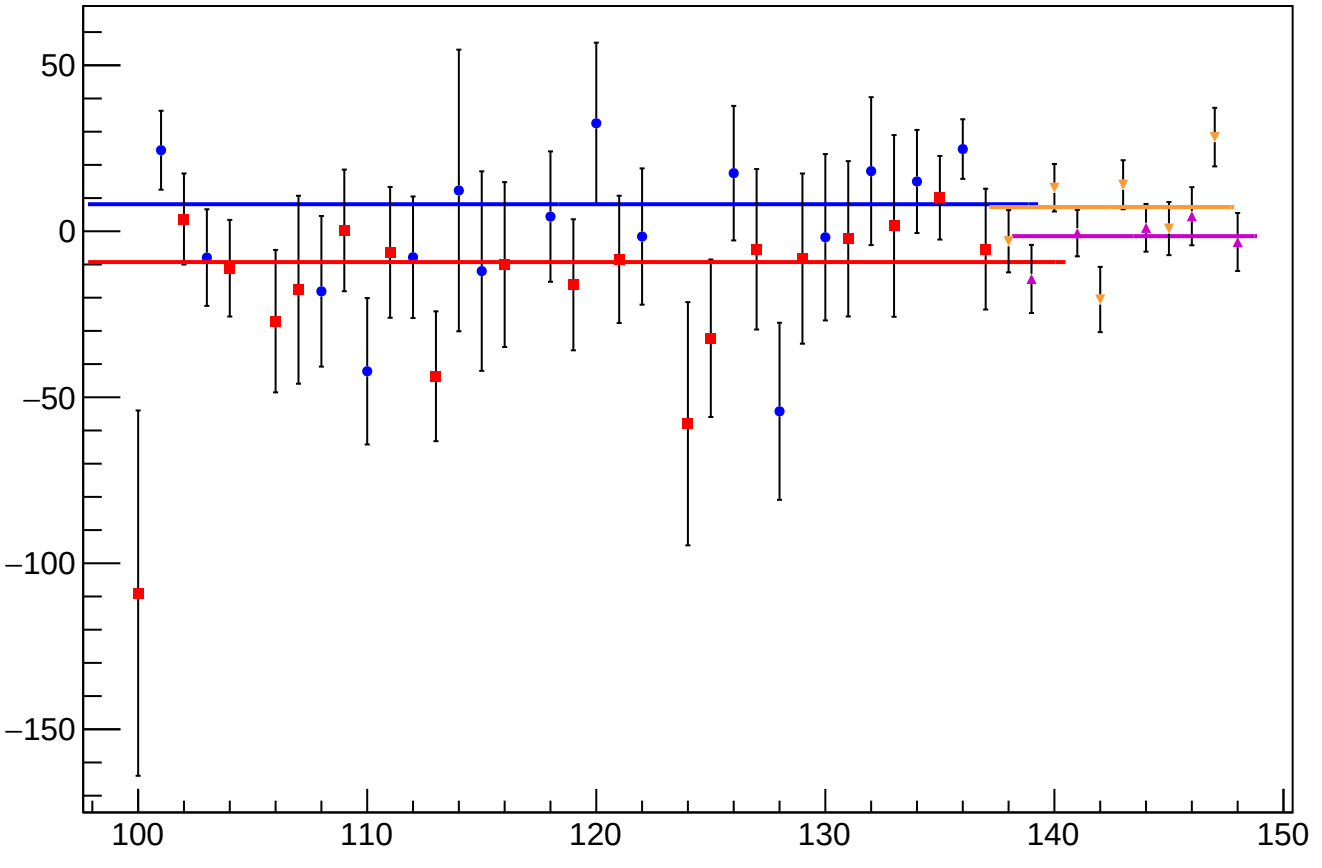
Left: 10198.599+/-2.446 χ^2/NDF: 253857.4/10

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12780.464+/-2.777 χ^2/NDF:1825267.2/20

Out: 12438.127+/-2.679 χ^2/NDF:2258659.9/24

All: 12603.133+/-1.928 χ^2/NDF: 4091799.6/4



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.309+/-3.370 χ^2/NDF:17.1/5

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.465+/-3.639 χ^2/NDF:2.2/4

Left: 3.259+/-2.473 χ^2/NDF: 22.4/10

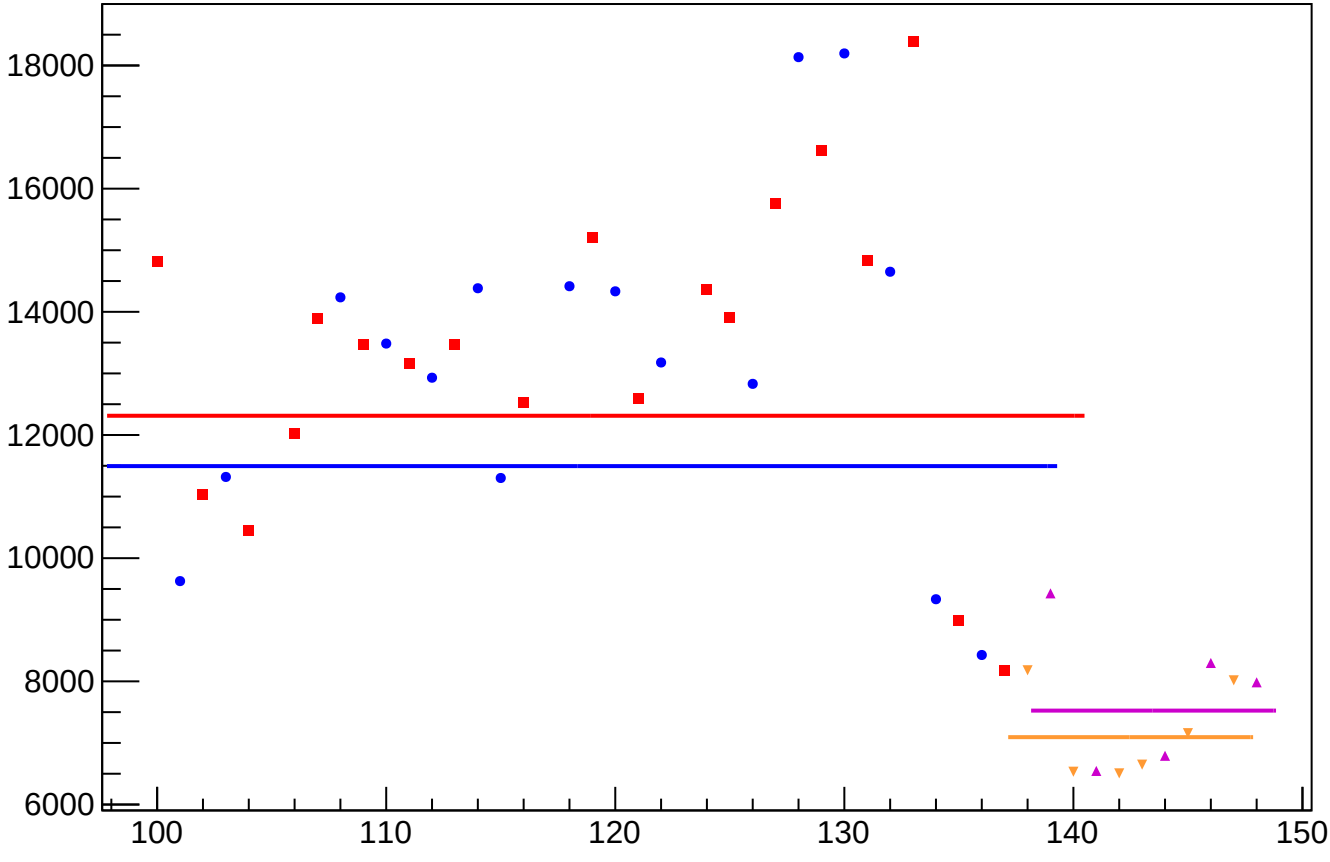
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 2.417+/-2.810 χ^2/NDF:26.8/20

Out: 1.532+/-2.720 χ^2/NDF:39.4/24

All: 1.960+/-1.954 χ^2/NDF: 66.3/45

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7093.899+/-2.383 χ^2/NDF:75628.4/5

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7525.040+/-2.573 χ^2/NDF:150215.4/4

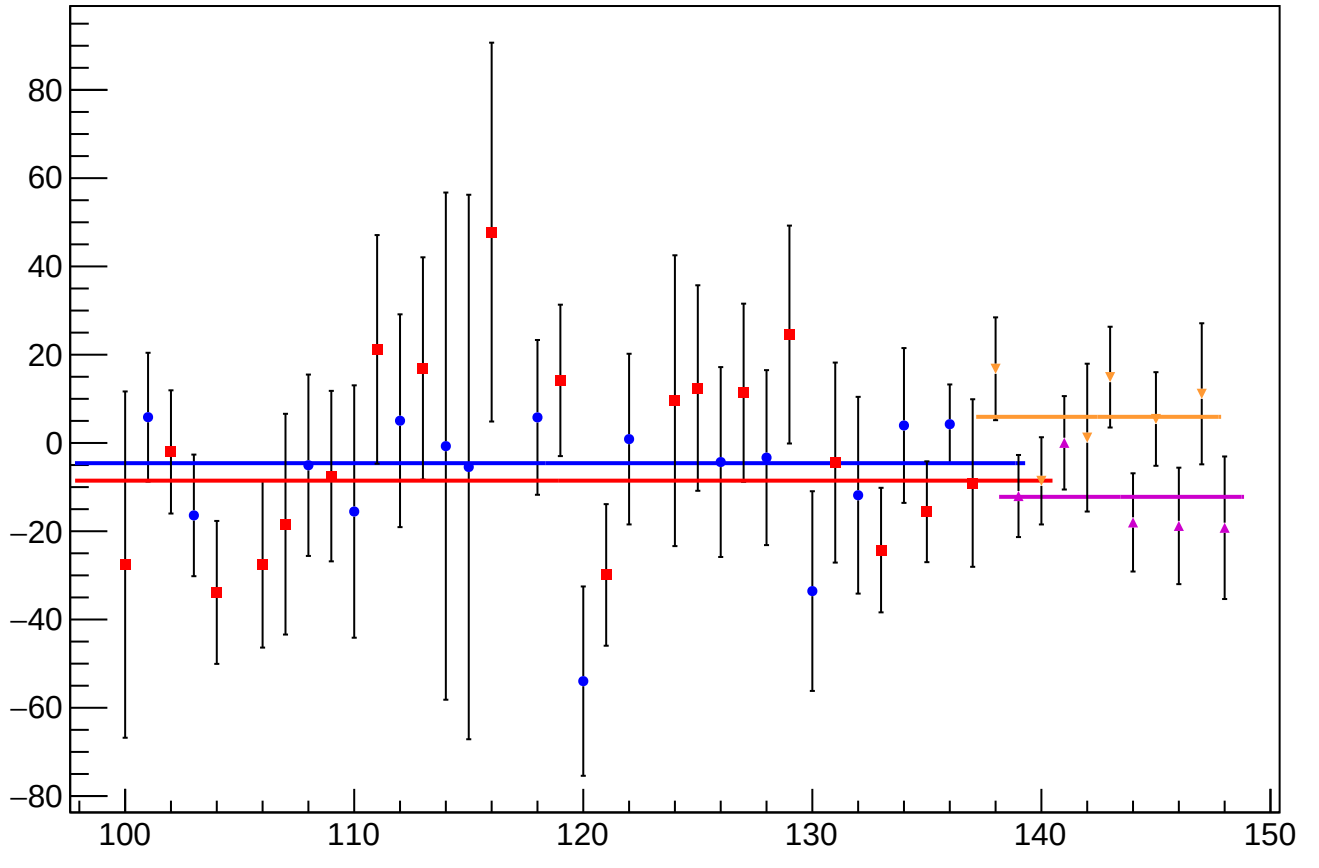
Left: 7292.905+/-1.748 χ^2/NDF: 240956.9/10

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

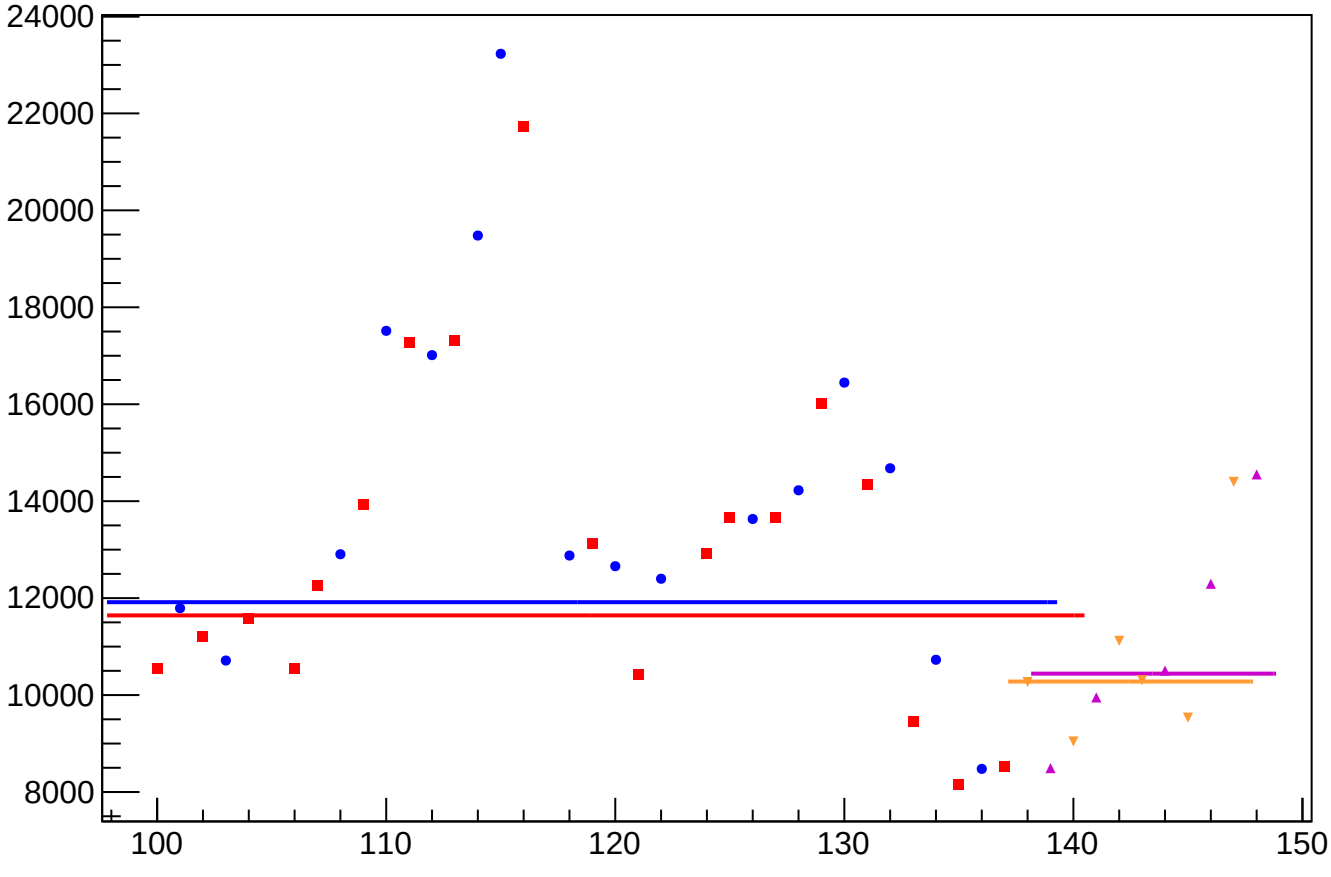
In: 9127.785+/-1.987 χ^2/NDF:1901030.9/20

Out: 8912.593+/-1.923 χ^2/NDF:2346208.0/24

All: 9016.671+/-1.382 χ^2/NDF: 4253294.3/45


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 5.922+/-4.900 χ²/NDF:3.8/5
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -12.207+/-5.120 χ²/NDF:2.0/4
Left: -2.743+/-3.540 χ²/NDF: 12.4/10
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -7.948+/-3.403 χ²/NDF:13.5/20
Out: -2.095+/-3.271 χ²/NDF:25.9/24
All: -4.905+/-2.358 χ²/NDF: 40.9/45

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10279.144+/-3.465 χ^2/NDF:179043.1/5

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10442.173+/-3.621 χ^2/NDF:261304.9/4

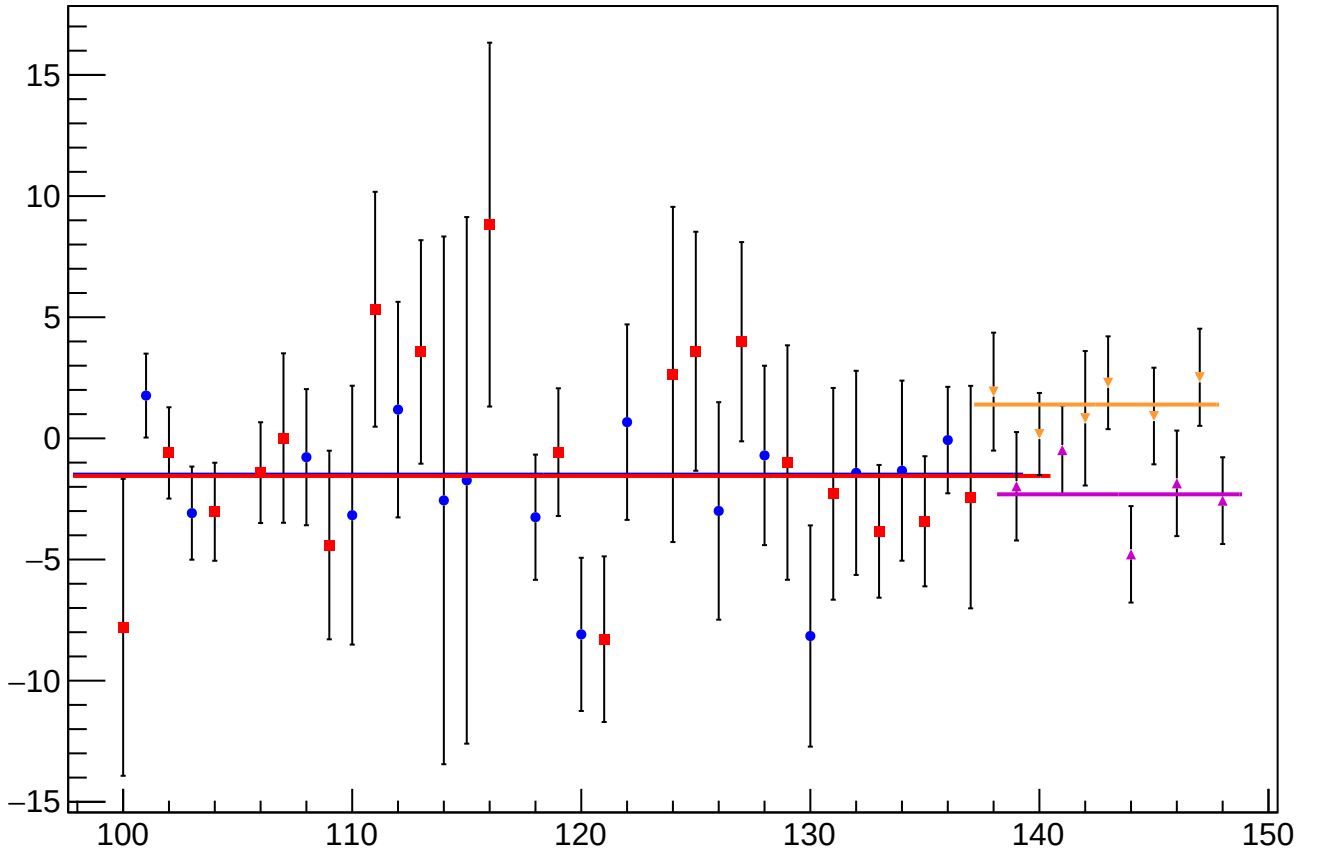
Left: 10357.069+/-2.503 χ^2/NDF: 441406.3/10

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11265.276+/-2.406 χ^2/NDF:1103639.1/20

Out: 11035.676+/-2.313 χ^2/NDF:1055398.8/24

All: 11145.924+/-1.667 χ^2/NDF: 2163770.8/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.396+/-0.839 χ^2/NDF:1.2/5

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -2.309+/-0.886 χ^2/NDF:2.6/4

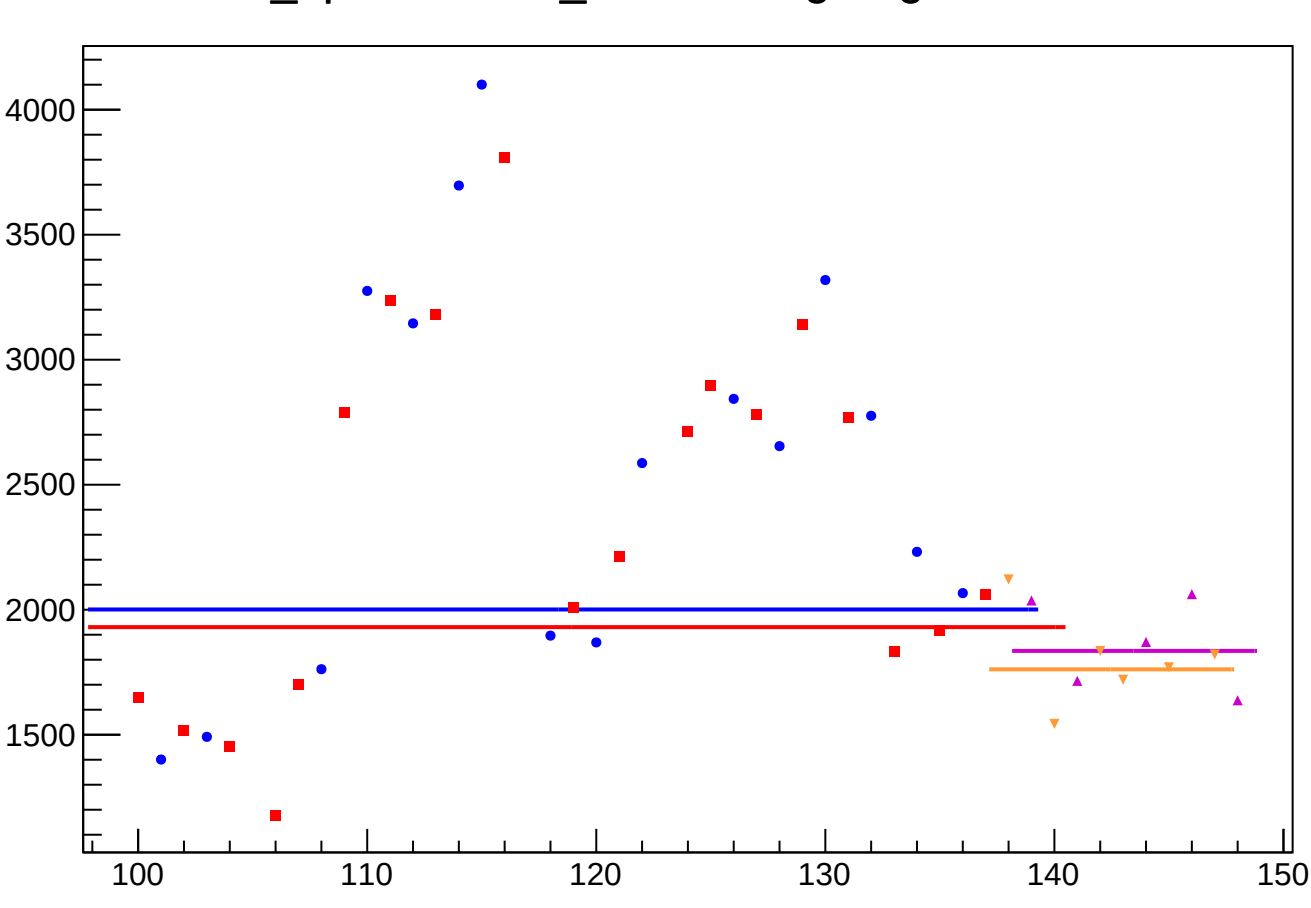
Left: -0.356+/-0.609 χ^2/NDF: 13.0/10

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.850+/-0.585 χ^2/NDF:15.7/20

Out: -0.253+/-0.557 χ^2/NDF:24.4/24

All: -1.013+/-0.403 χ^2/NDF: 44.0/45



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1761.487+/-0.594 χ^2/NDF:80883.8/5

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1835.282+/-0.627 χ^2/NDF:71529.7/4

Left: 1796.374+/-0.431 χ^2/NDF: 159721.6/10

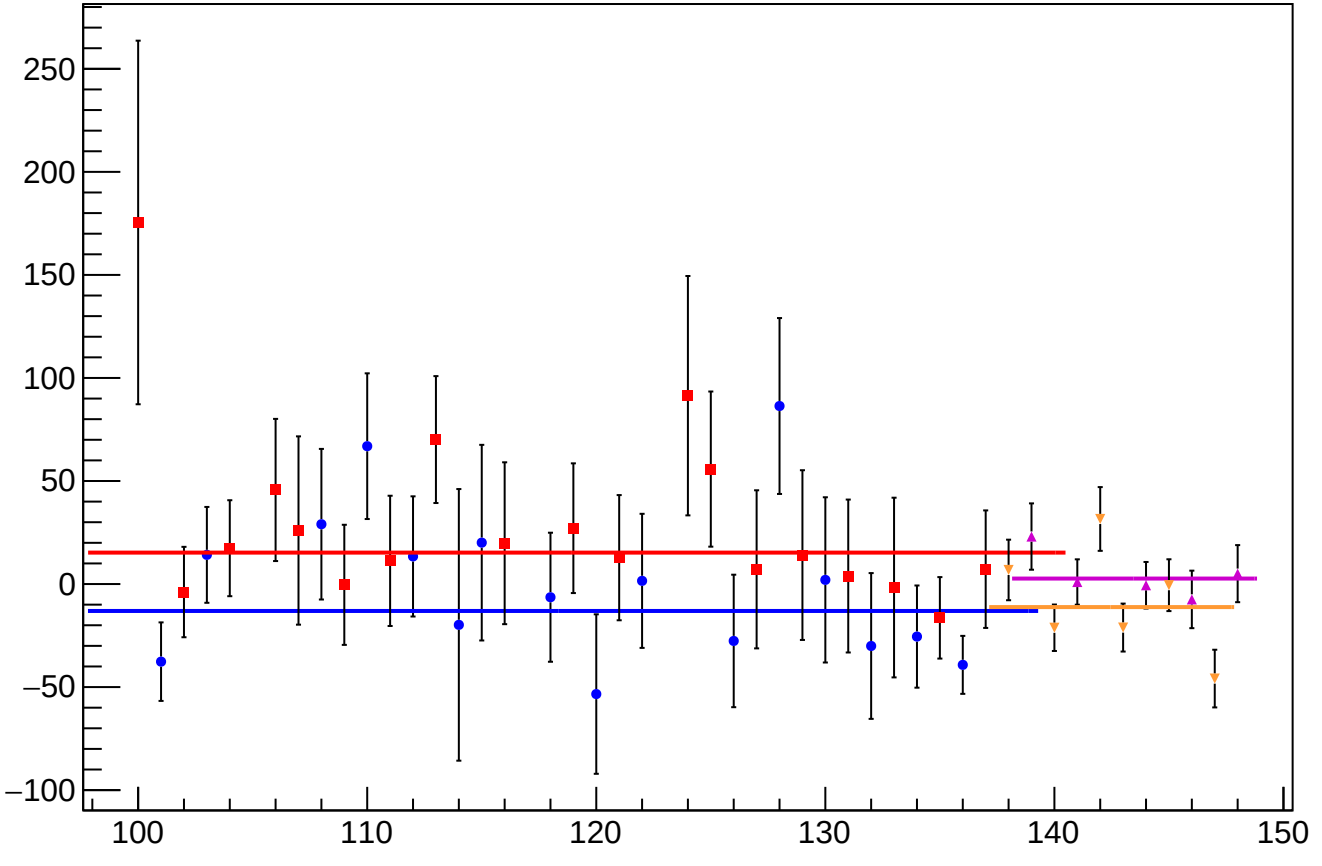
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1928.866+/-0.414 χ^2/NDF:1300787.4/20

Out: 1856.042+/-0.394 χ^2/NDF:1529783.5/24

All: 1890.679+/-0.285 χ^2/NDF: 2846832.4/45

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -11.185+/-5.307 χ^2/NDF:17.5/5

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 2.658+/-5.744 χ^2/NDF:2.3/4

Left: -4.810+/-3.898 χ^2/NDF: 22.9/10

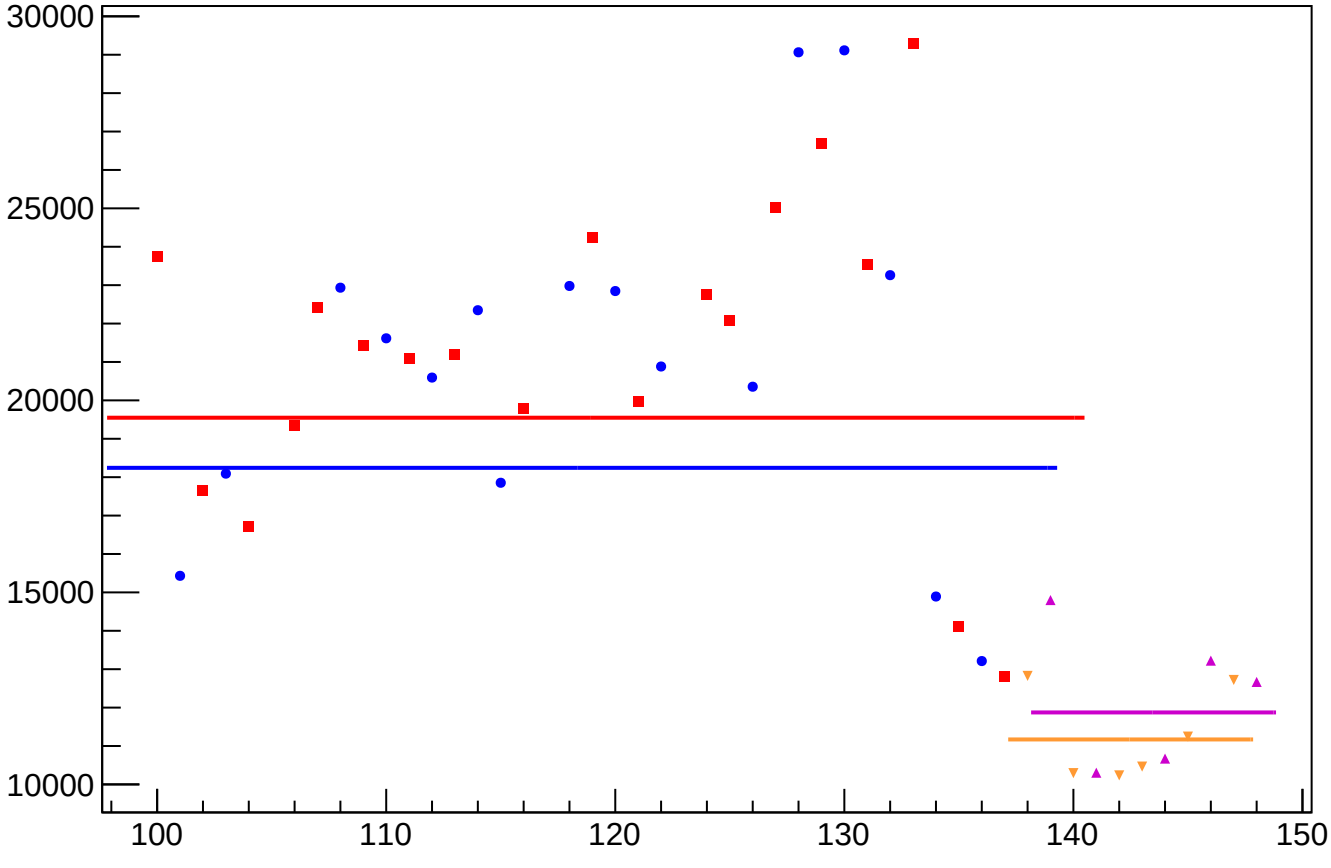
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -3.641+/-4.447 χ^2/NDF:27.1/20

Out: -2.078+/-4.297 χ^2/NDF:40.4/24

All: -2.832+/-3.090 χ^2/NDF: 67.6/45

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11170.623+/-3.753 χ^2/NDF:76752.8/5

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11874.045+/-4.062 χ^2/NDF:154678.2/4

Left: 11494.537+/-2.756 χ^2/NDF: 247611.8/10

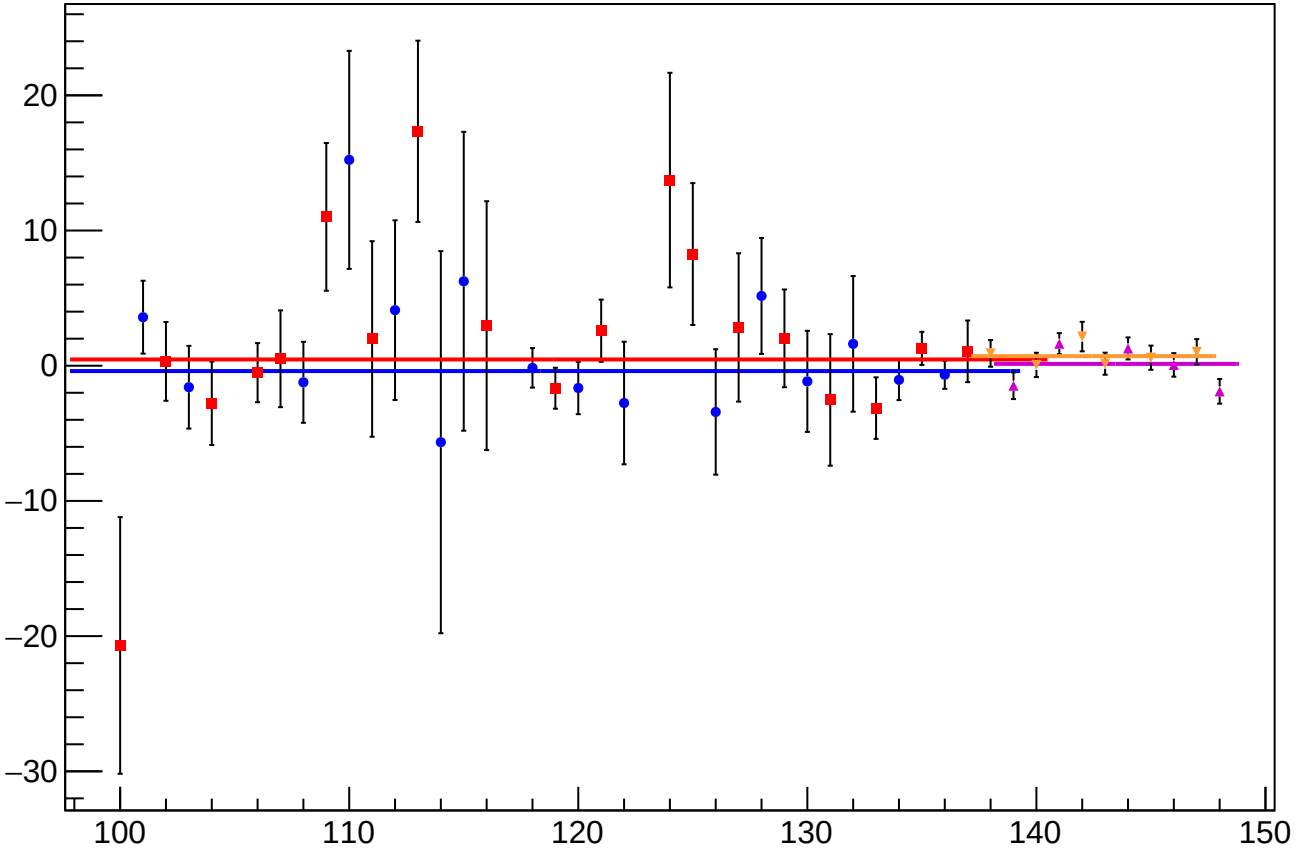
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14425.612+/-3.145 χ^2/NDF:1959567.6/20

Out: 14056.580+/-3.038 χ^2/NDF:2415491.8/24

All: 14234.743+/-2.185 χ^2/NDF: 4382182.2/4

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.709+/-0.378 χ^2/NDF:2.9/5

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.135+/-0.387 χ^2/NDF:13.2/4

Left: 0.428+/-0.270 χ^2/NDF: 17.3/10

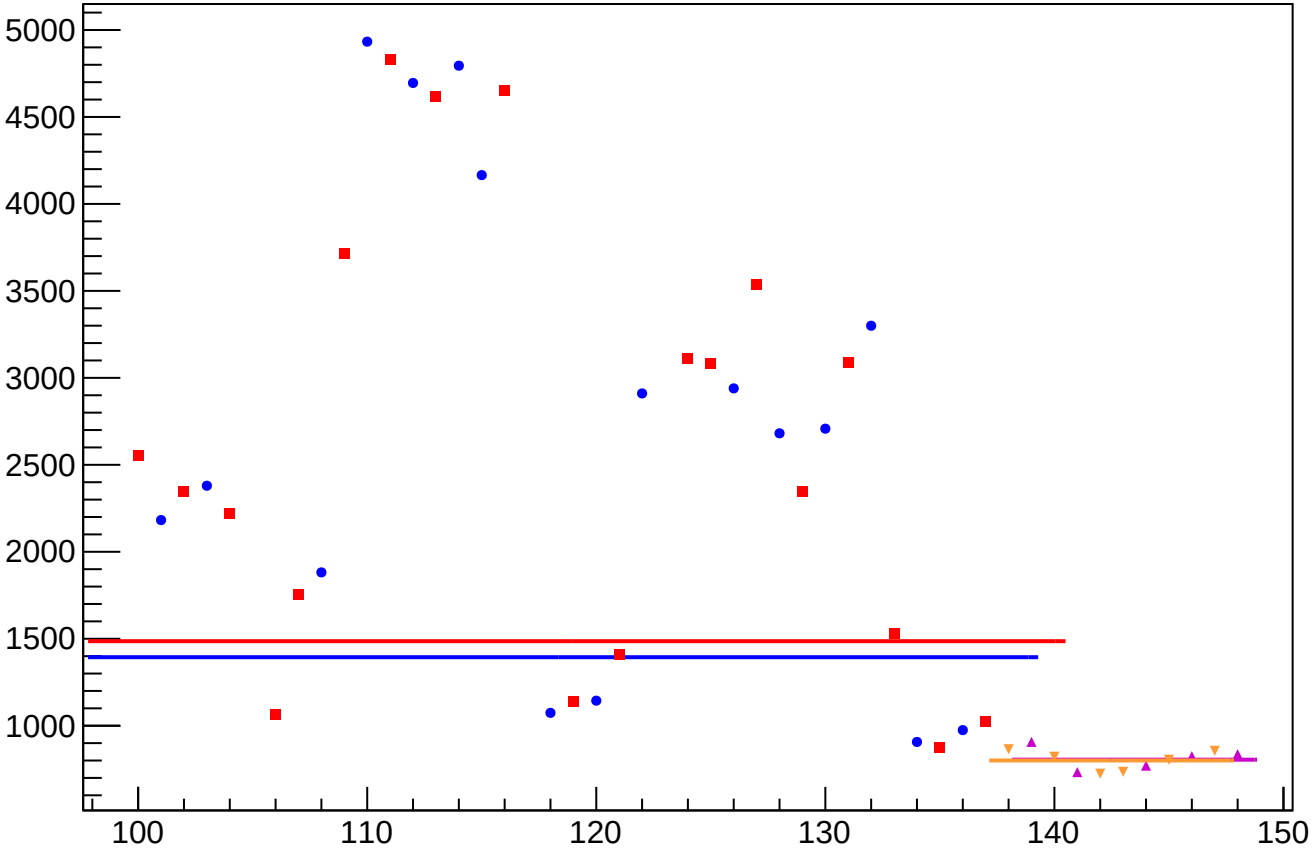
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.020+/-0.325 χ^2/NDF:24.2/20

Out: 0.645+/-0.325 χ^2/NDF:31.1/24

All: 0.312+/-0.230 χ^2/NDF: 57.4/45

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 800.234+/-0.268 χ^2/NDF:39037.6/5

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 804.847+/-0.273 χ^2/NDF:45164.0/4

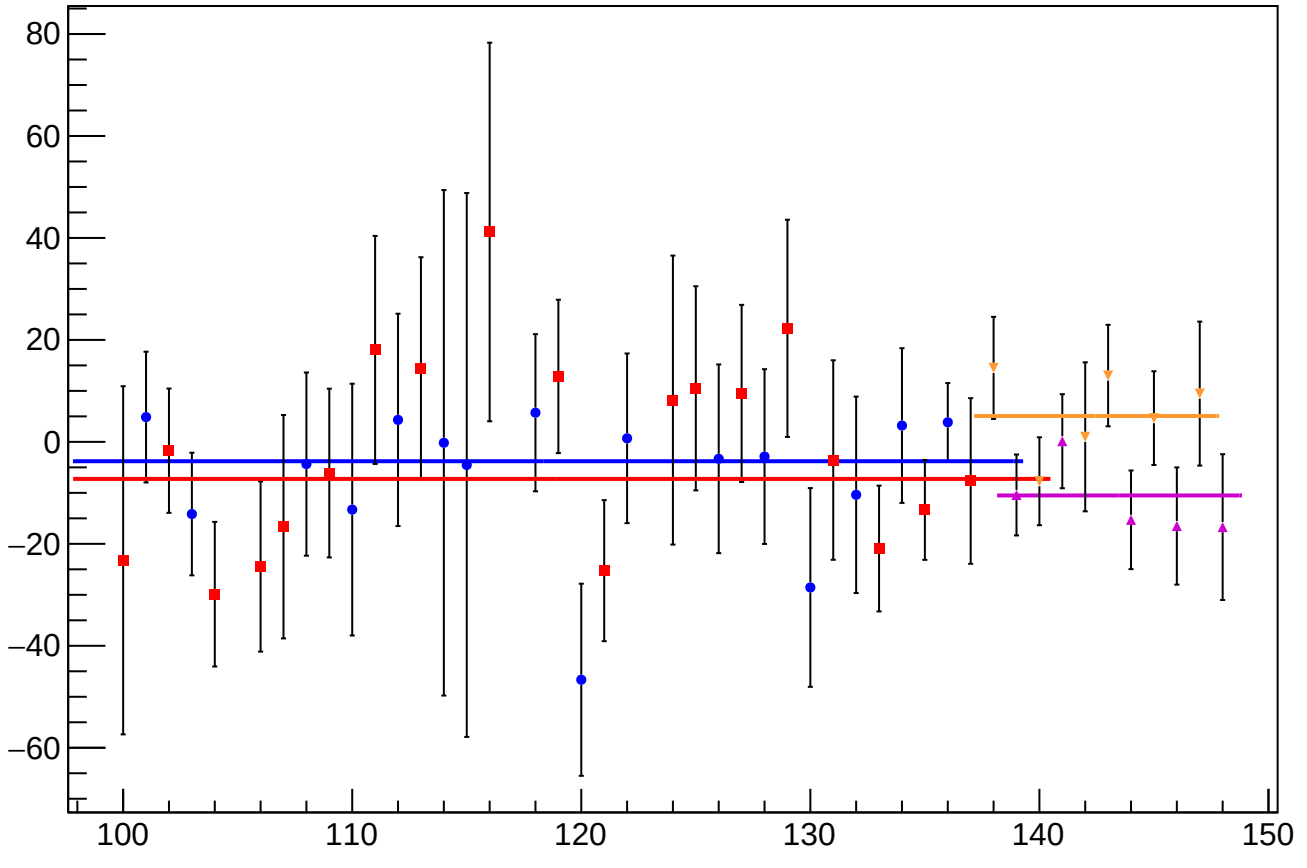
Left: 802.492+/-0.191 χ^2/NDF: 84347.0/10

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 977.597+/-0.230 χ^2/NDF:4787993.6/20

Out: 980.455+/-0.230 χ^2/NDF:5163362.7/24

All: 979.026+/-0.162 χ^2/NDF: 9951433.6/45



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.078+/-4.262 χ^2/NDF:3.9/5

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -10.512+/-4.438 χ^2/NDF:2.0/4

Left: -2.401+/-3.074 χ^2/NDF: 12.4/10

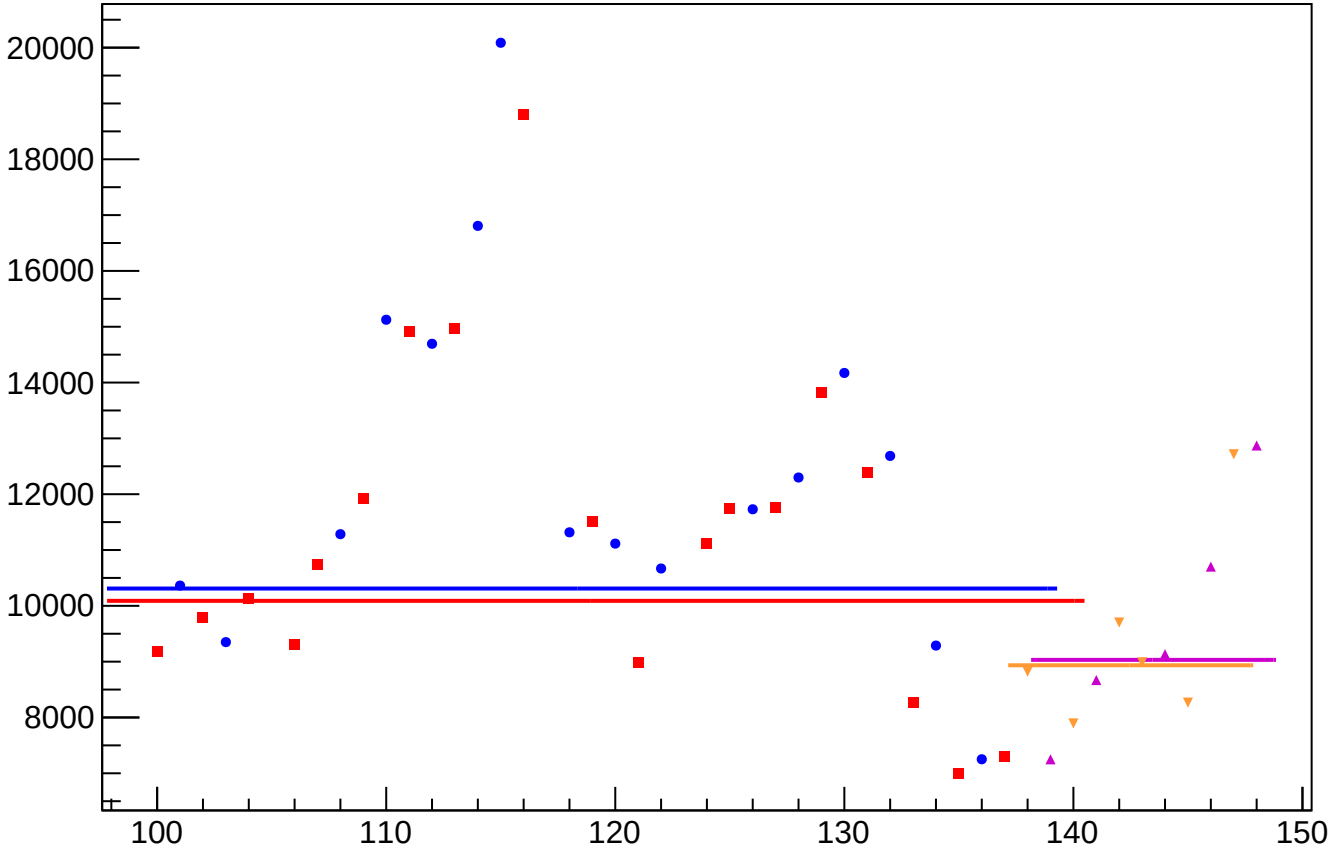
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -6.758+/-2.948 χ^2/NDF:13.4/20

Out: -1.787+/-2.839 χ^2/NDF:25.8/24

All: -4.179+/-2.045 χ^2/NDF: 40.7/45

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8935.162+/-3.014 χ^2/NDF:188889.2/5

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9031.974+/-3.138 χ^2/NDF:290500.2/4

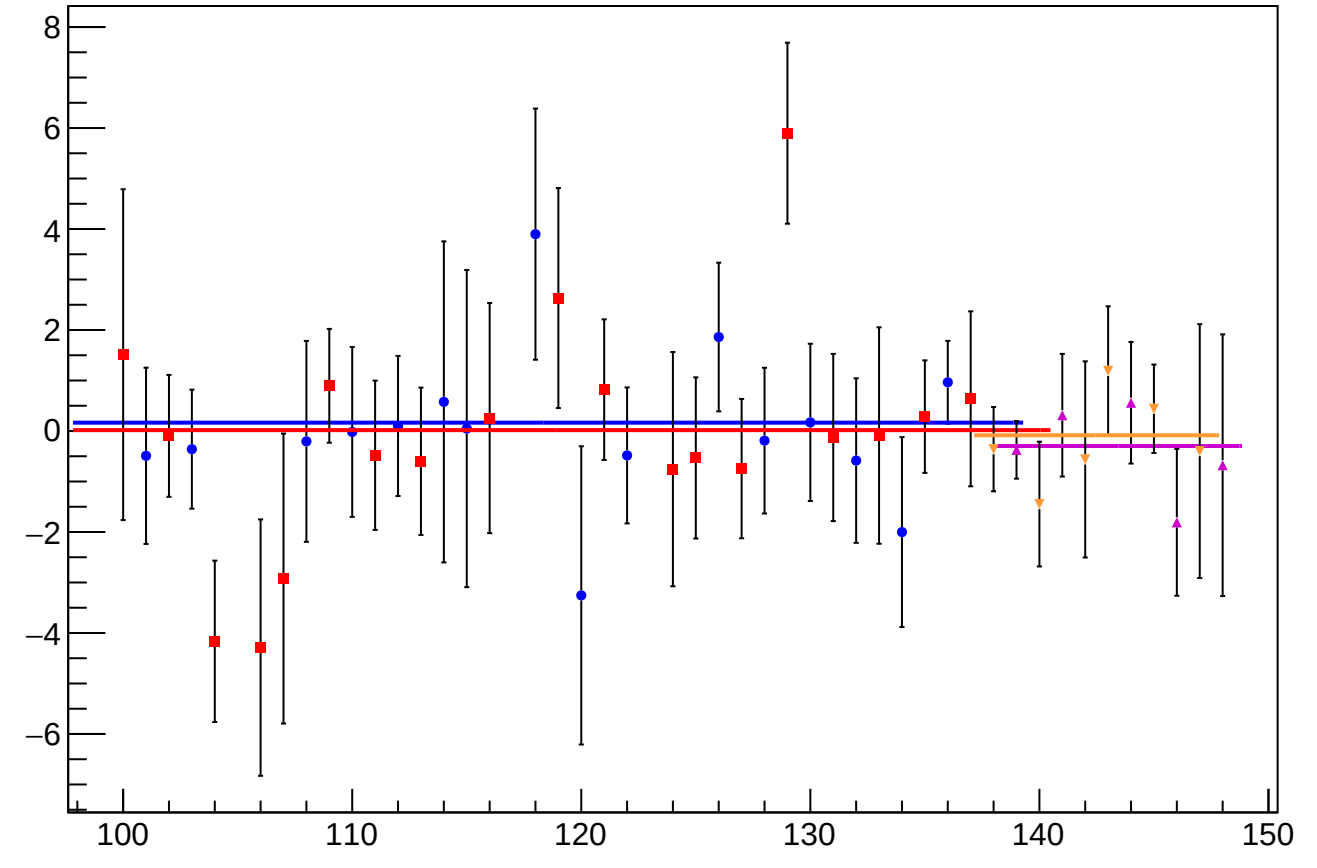
Left: 8981.605+/-2.174 χ^2/NDF: 479884.5/10

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9746.238+/-2.084 χ^2/NDF:1153692.2/20

Out: 9577.271+/-2.008 χ^2/NDF:1063293.4/24

All: 9658.585+/-1.446 χ^2/NDF: 2220394.3/45



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.084+/-0.475 χ^2/NDF:2.8/5

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.297+/-0.444 χ^2/NDF:1.9/4

Left: -0.198+/-0.325 χ^2/NDF: 4.7/10

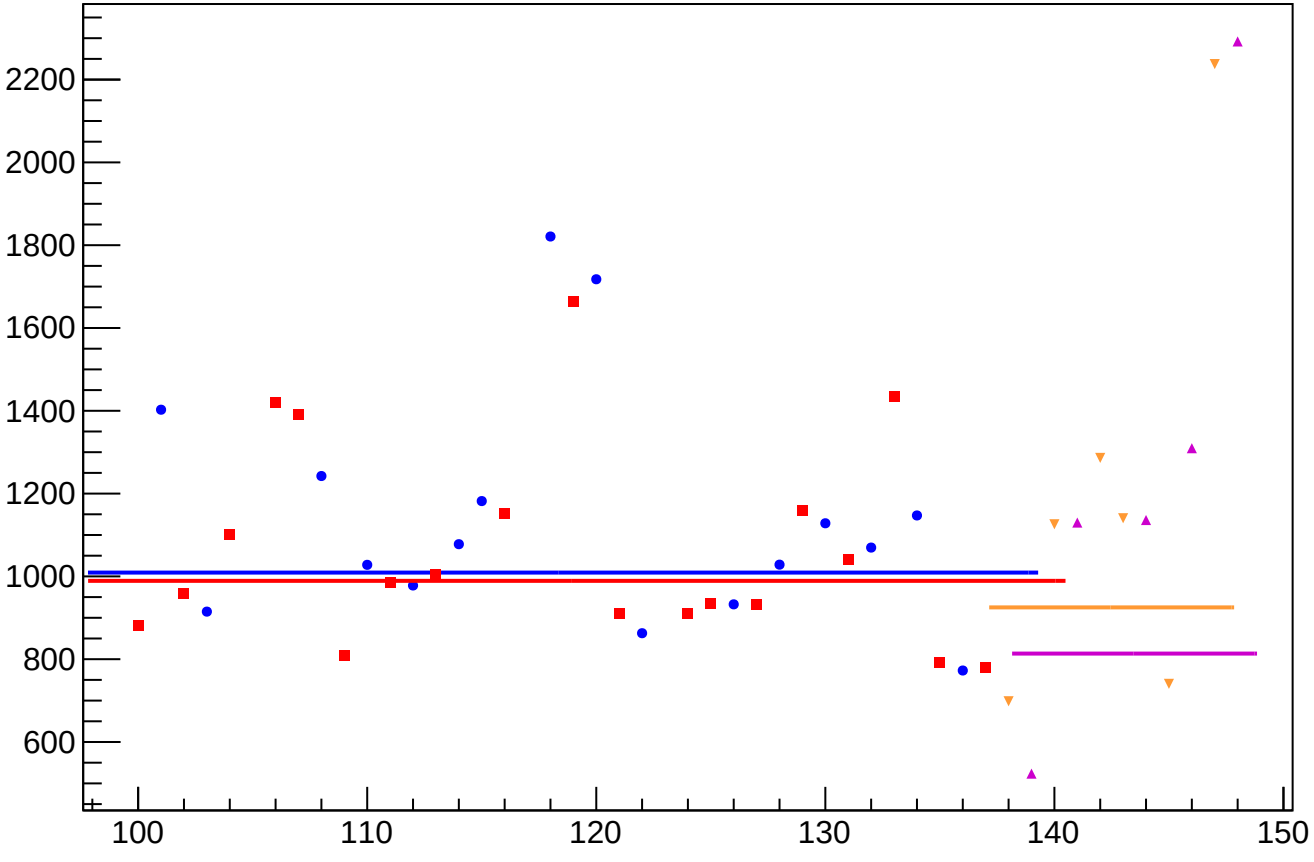
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: -0.034+/-0.292 χ^2/NDF:10.6/20

Out: -0.021+/-0.293 χ^2/NDF:28.0/24

All: -0.028+/-0.207 χ^2/NDF: 38.6/45

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 925.118+/-0.336 χ^2/NDF:960810.9/5

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 813.559+/-0.314 χ^2/NDF:1680035.8/4

Left: 865.630+/-0.229 χ^2/NDF: 2699674.7/10

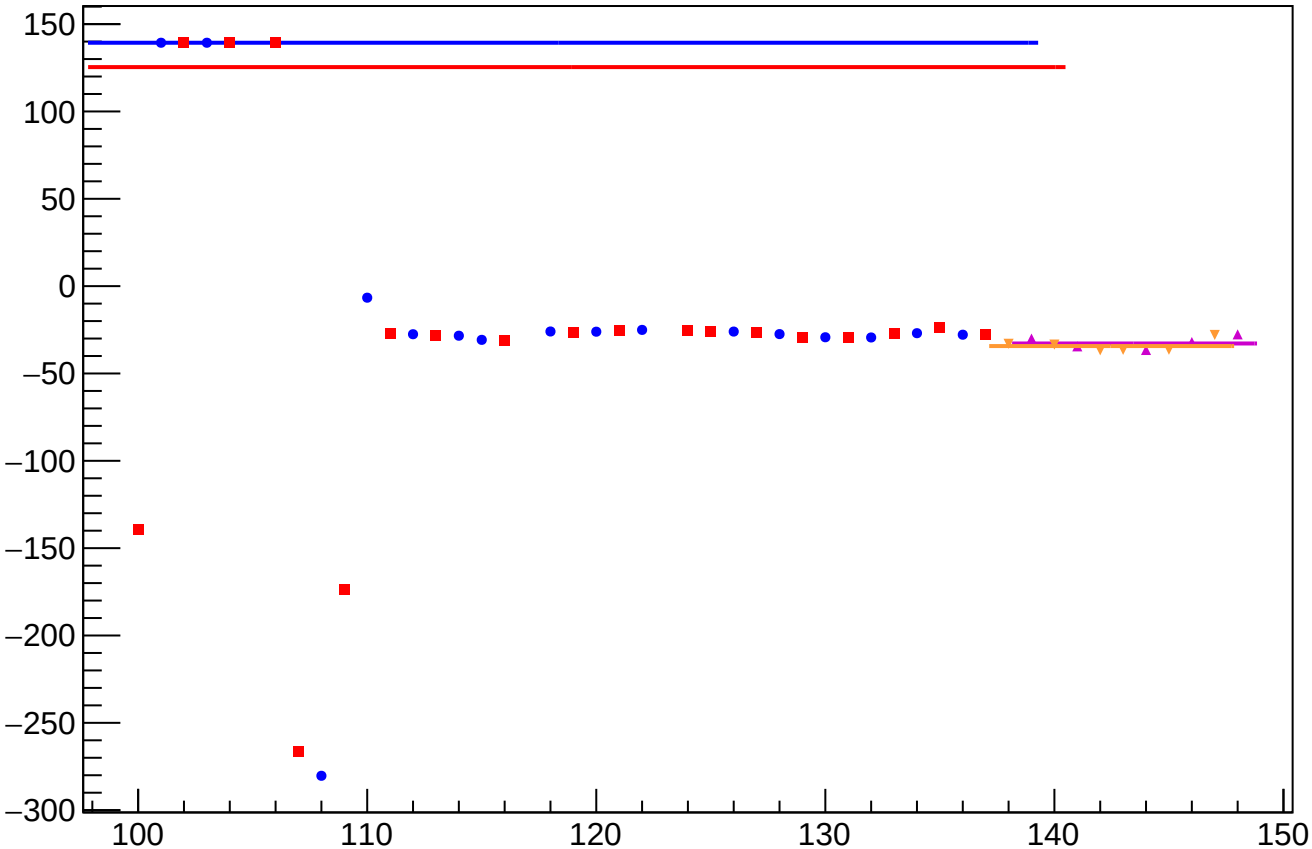
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 925.006+/-0.206 χ^2/NDF:2600169.9/20

Out: 964.848+/-0.207 χ^2/NDF:1559155.3/24

All: 944.829+/-0.146 χ^2/NDF: 4177908.2/45

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -34.307+/-0.001 χ^2/NDF:24689582.9/5

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -32.828+/-0.001 χ^2/NDF:21925275.3/4

Left: -33.644+/-0.000 χ^2/NDF: 48806407.2/10

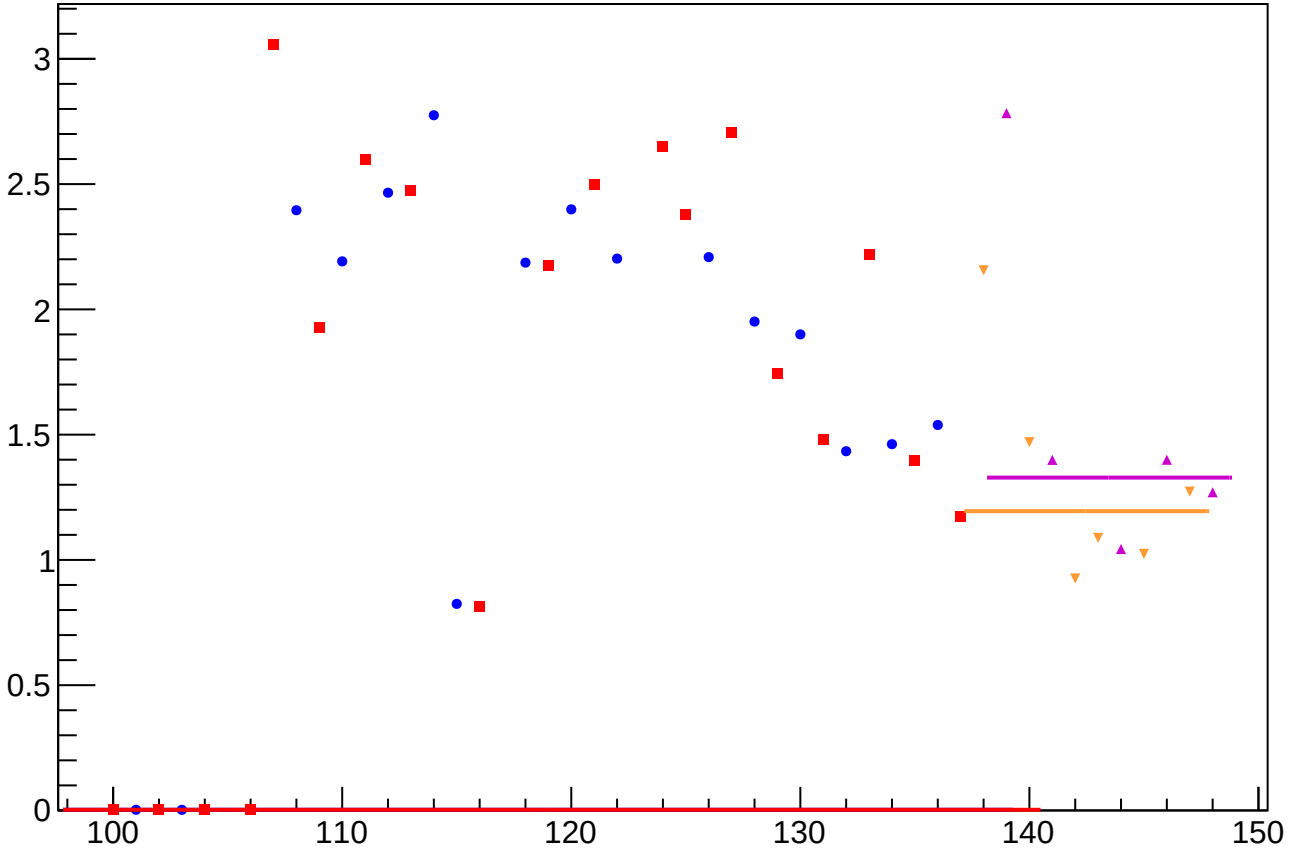
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.335+/-0.000 χ^2/NDF:100979902235.2/20

Out: 125.390+/-0.000 χ^2/NDF:774230086629305.

All: 131.816+/-0.000 χ^2/NDF: 79311593080

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.195+/-0.000 χ^2/NDF:399290.1/5

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.329+/-0.001 χ^2/NDF:558562.0/4

Left: 1.255+/-0.000 χ^2/NDF: 993830.0/10

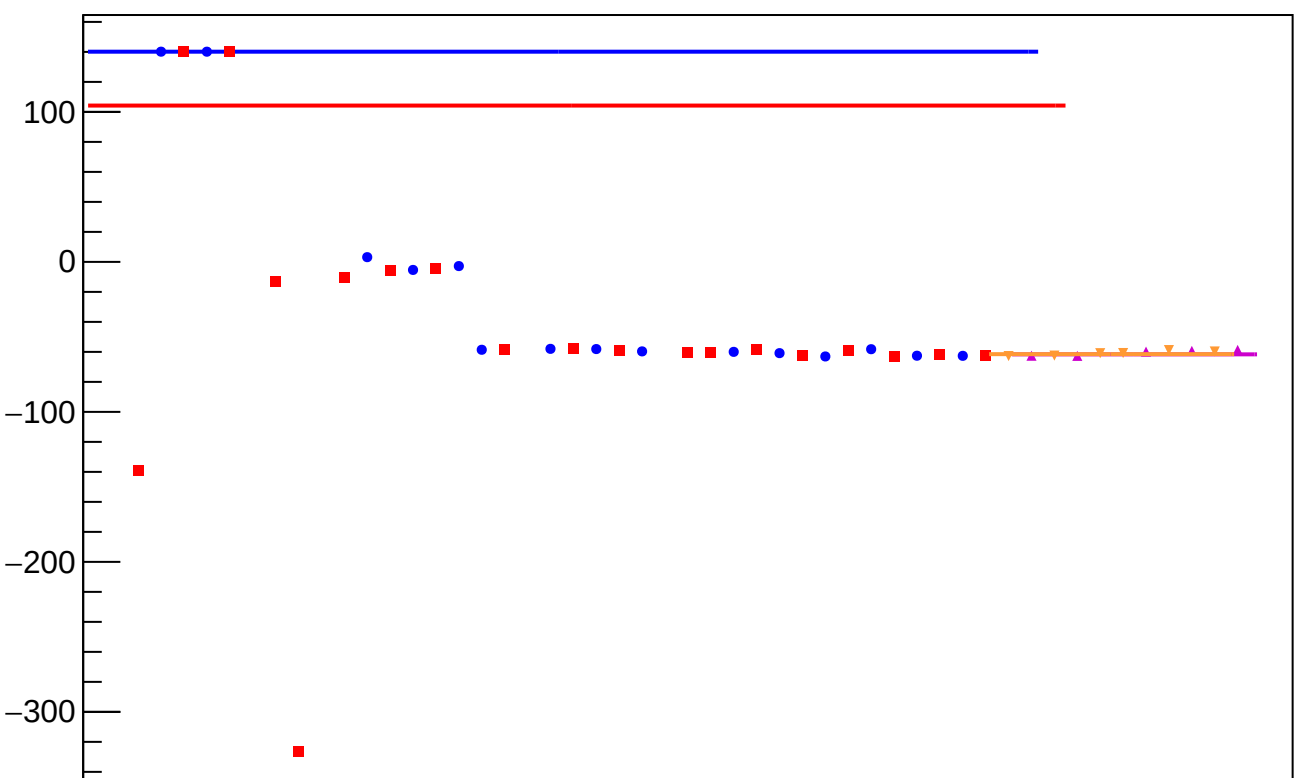
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:16514368.2/20

Out: 0.003+/-0.000 χ^2/NDF:16477134.3/24

All: 0.003+/-0.000 χ^2/NDF: 32991695.1/45

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -61.512+/-0.000 χ^2/NDF:14573154.9/5

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -61.641+/-0.000 χ^2/NDF:11955742.9/4

Left: -61.573+/-0.000 χ^2/NDF: 26577230.7/10

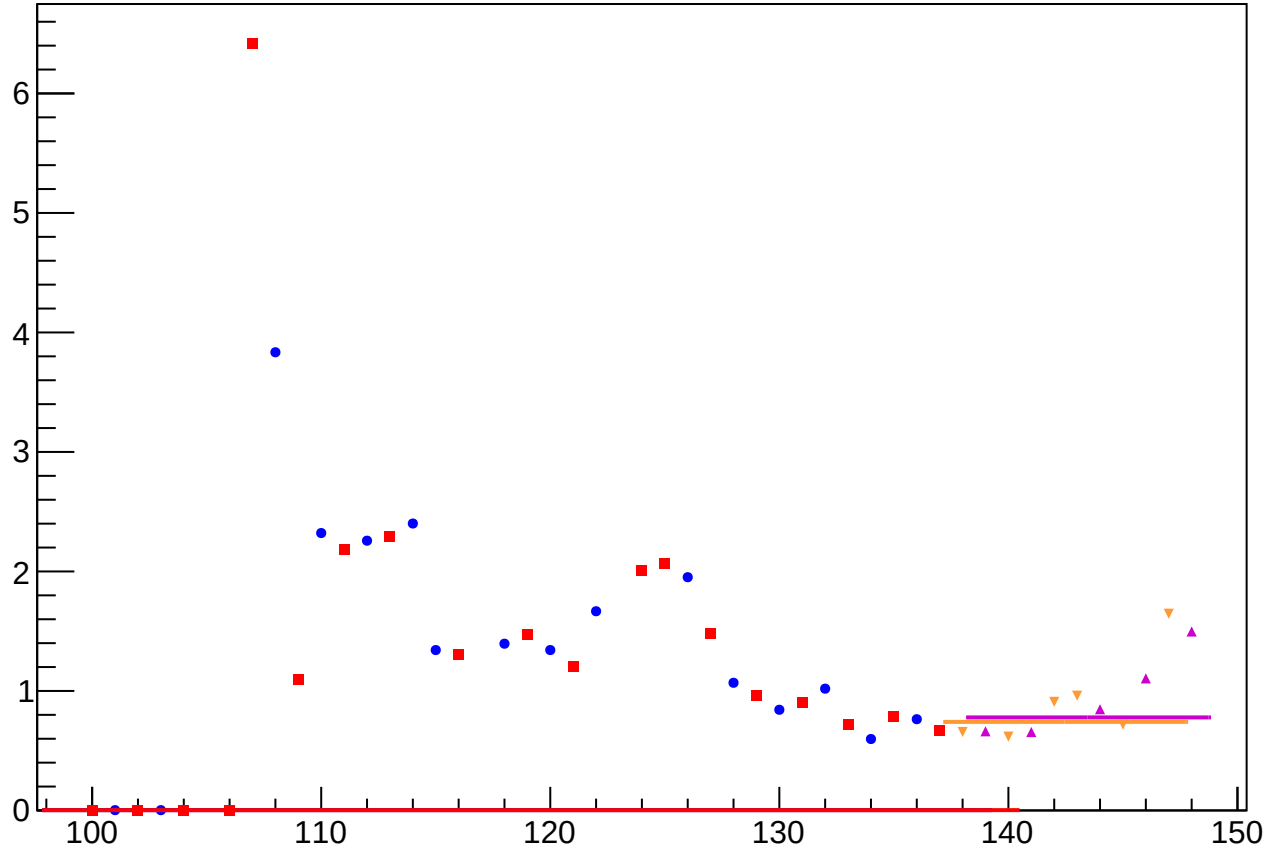
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.137+/-0.000 χ^2/NDF:411822746893.0/20

Out: 104.219+/-0.000 χ^2/NDF:1257571767361742

All: 120.826+/-0.000 χ^2/NDF: 13812848123(

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.741+/-0.000 χ^2/NDF:601454.8/5

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.779+/-0.000 χ^2/NDF:551374.3/4

Left: 0.759+/-0.000 χ^2/NDF: 1160975.0/10

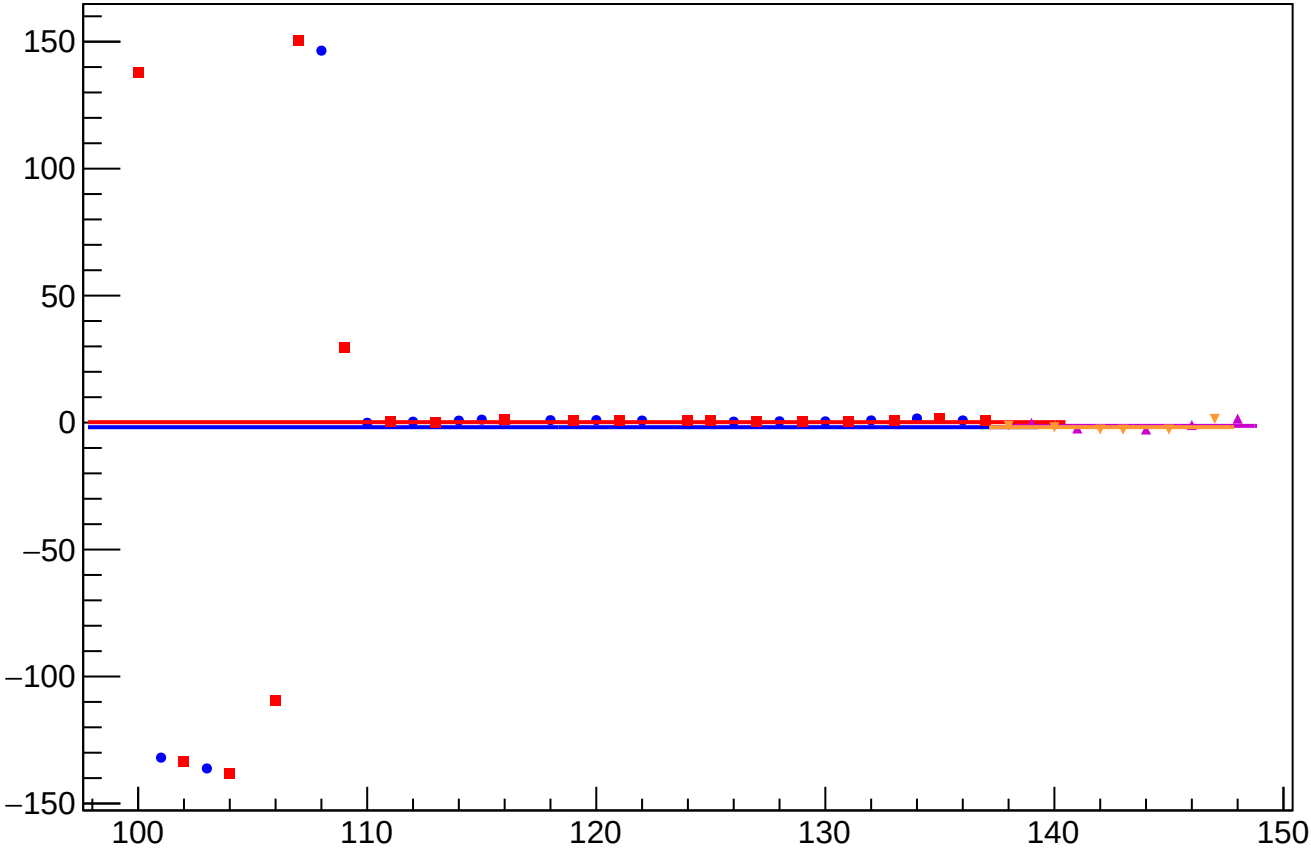
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:17763554.8/20

Out: 0.003+/-0.000 χ^2/NDF:17613710.1/24

All: 0.003+/-0.000 χ^2/NDF: 35377497.0/45

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.807+/-0.000 χ^2/NDF:28805450.7/5

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -1.291+/-0.000 χ^2/NDF:27429681.3/4

Left: -1.573+/-0.000 χ^2/NDF: 57828085.4/10

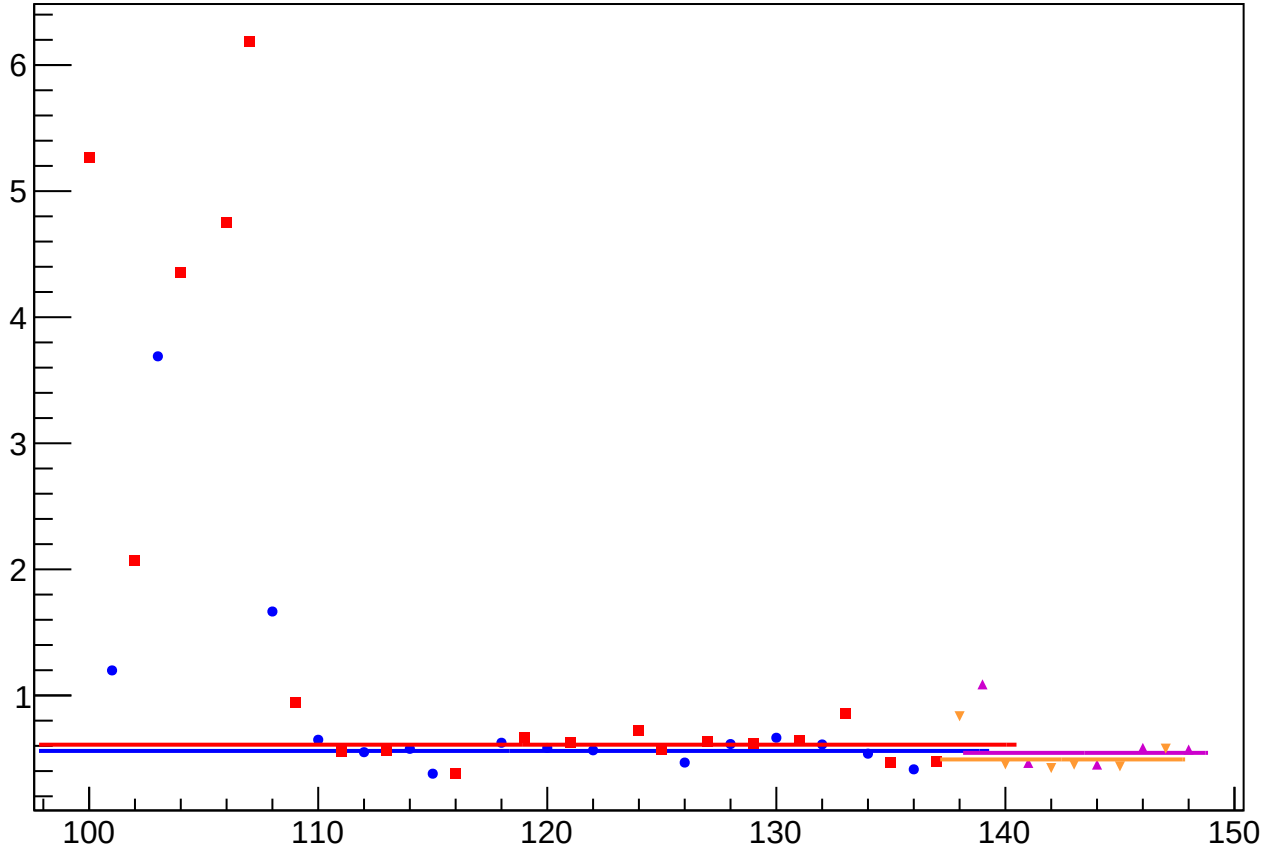
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.605+/-0.000 χ^2/NDF:9916415888.2/20

Out: -0.816+/-0.000 χ^2/NDF:3665917627.2/24

All: -1.214+/-0.000 χ^2/NDF: 13590696336.6/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.492+/-0.000 χ^2/NDF:306116.6/5

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.544+/-0.000 χ^2/NDF:520367.7/4

Left: 0.516+/-0.000 χ^2/NDF: 859048.3/10

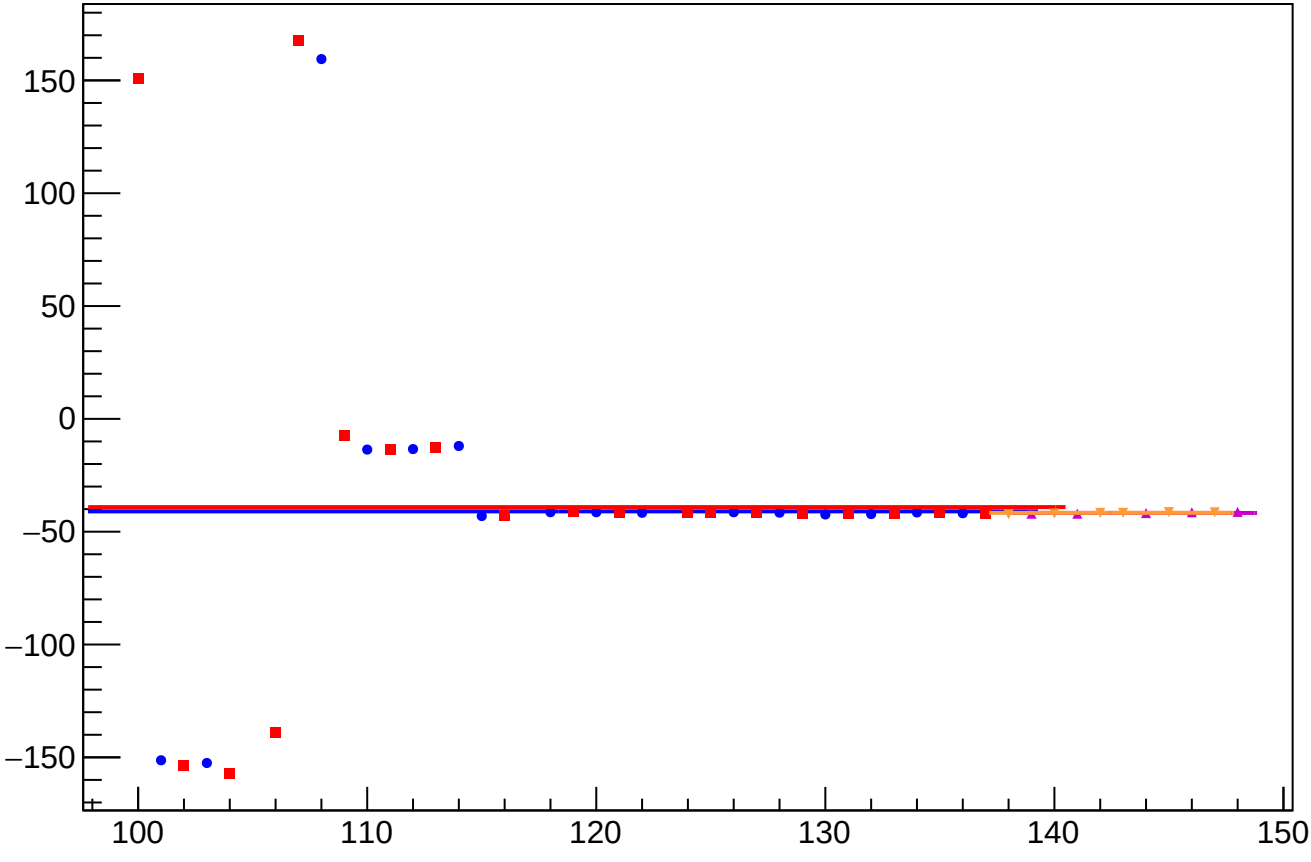
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.554+/-0.000 χ^2/NDF:2121868.8/20

Out: 0.551+/-0.000 χ^2/NDF:2964342.8/24

All: 0.552+/-0.000 χ^2/NDF: 5086375.3/45

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.633+/-0.000 χ^2/NDF:2379534.9/5

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.695+/-0.000 χ^2/NDF:1849293.1/4

Left: -41.660+/-0.000 χ^2/NDF: 4279917.8/10

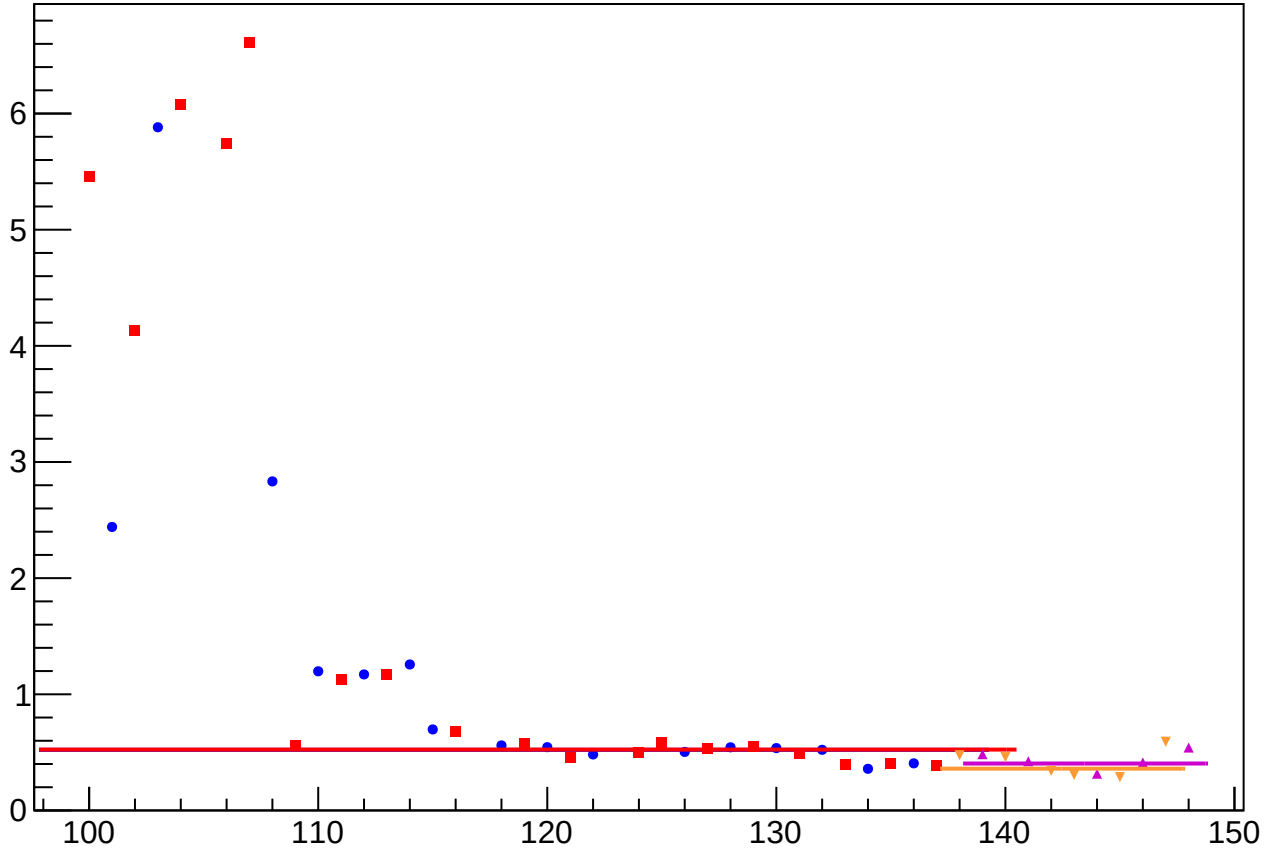
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.384+/-0.000 χ^2/NDF:3456649221.3/20

Out: -40.691+/-0.000 χ^2/NDF:2554586438.1/24

All: -41.013+/-0.000 χ^2/NDF: 6021985082.8/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.360+/-0.000 χ^2/NDF:546402.1/5

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.404+/-0.000 χ^2/NDF:279508.2/4

Left: 0.379+/-0.000 χ^2/NDF: 877707.3/10

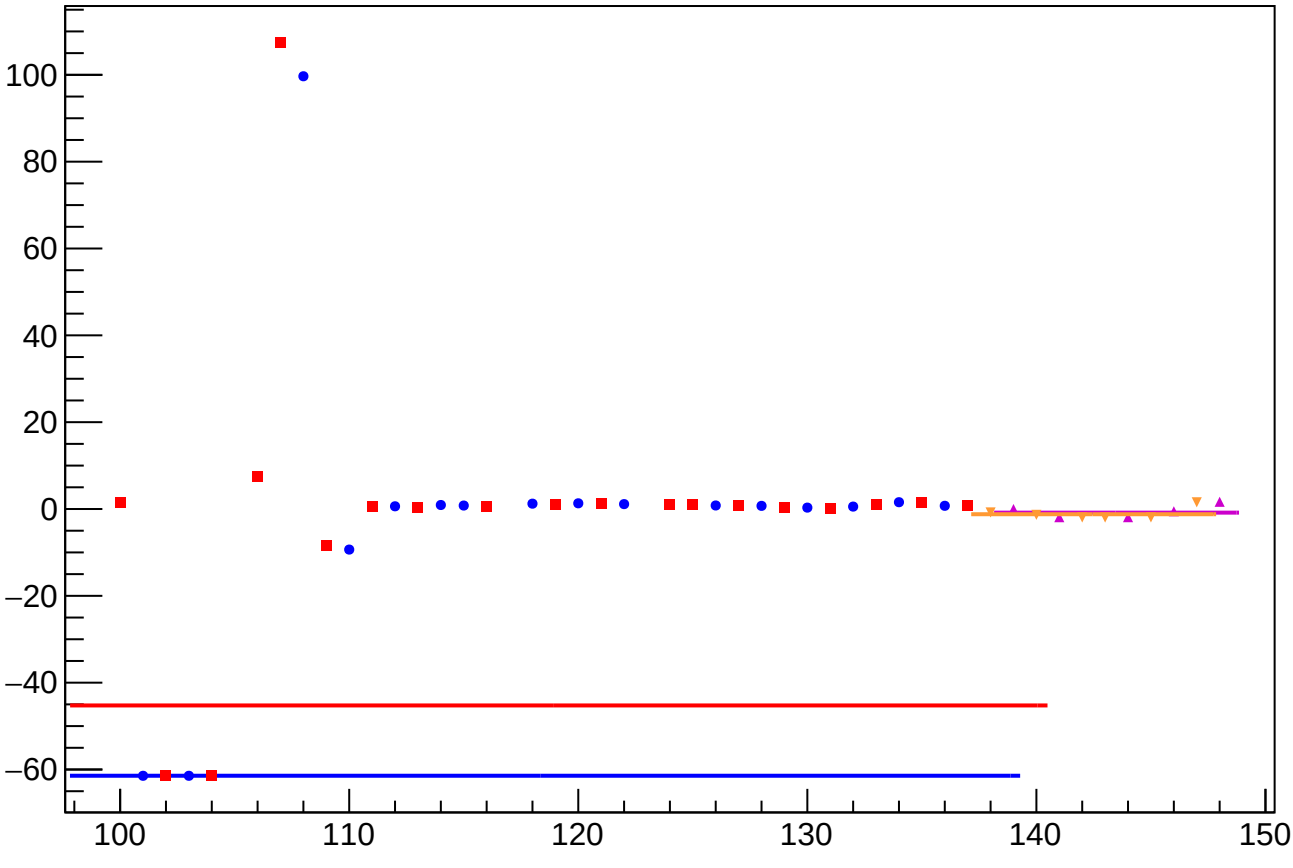
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.456+/-0.000 χ^2/NDF:3516114.1/20

Out: 0.421+/-0.000 χ^2/NDF:4416474.4/24

All: 0.437+/-0.000 χ^2/NDF: 7987724.6/45

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.203+/-0.000 χ^2/NDF:28255186.6/5

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -0.835+/-0.000 χ^2/NDF:28621607.8/4

Left: -1.035+/-0.000 χ^2/NDF: 58020322.4/10

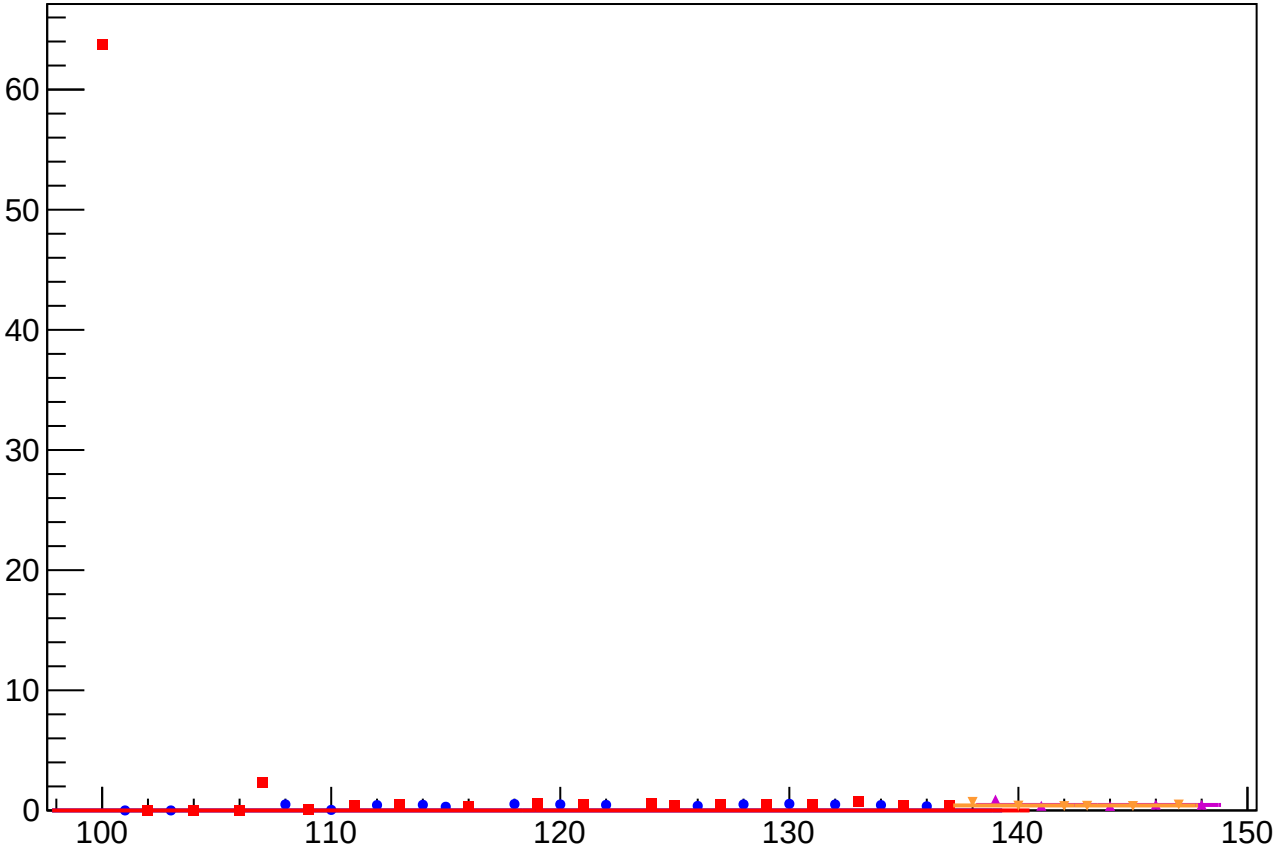
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.433+/-0.000 χ^2/NDF:330546768991.5/20

Out: -45.243+/-0.000 χ^2/NDF:357906305625011.5

All: -52.747+/-0.000 χ^2/NDF: 409213063974

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.418+/-0.000 χ^2/NDF:307546.5/5

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.457+/-0.000 χ^2/NDF:514775.2/4

Left: 0.436+/-0.000 χ^2/NDF: 848971.6/10

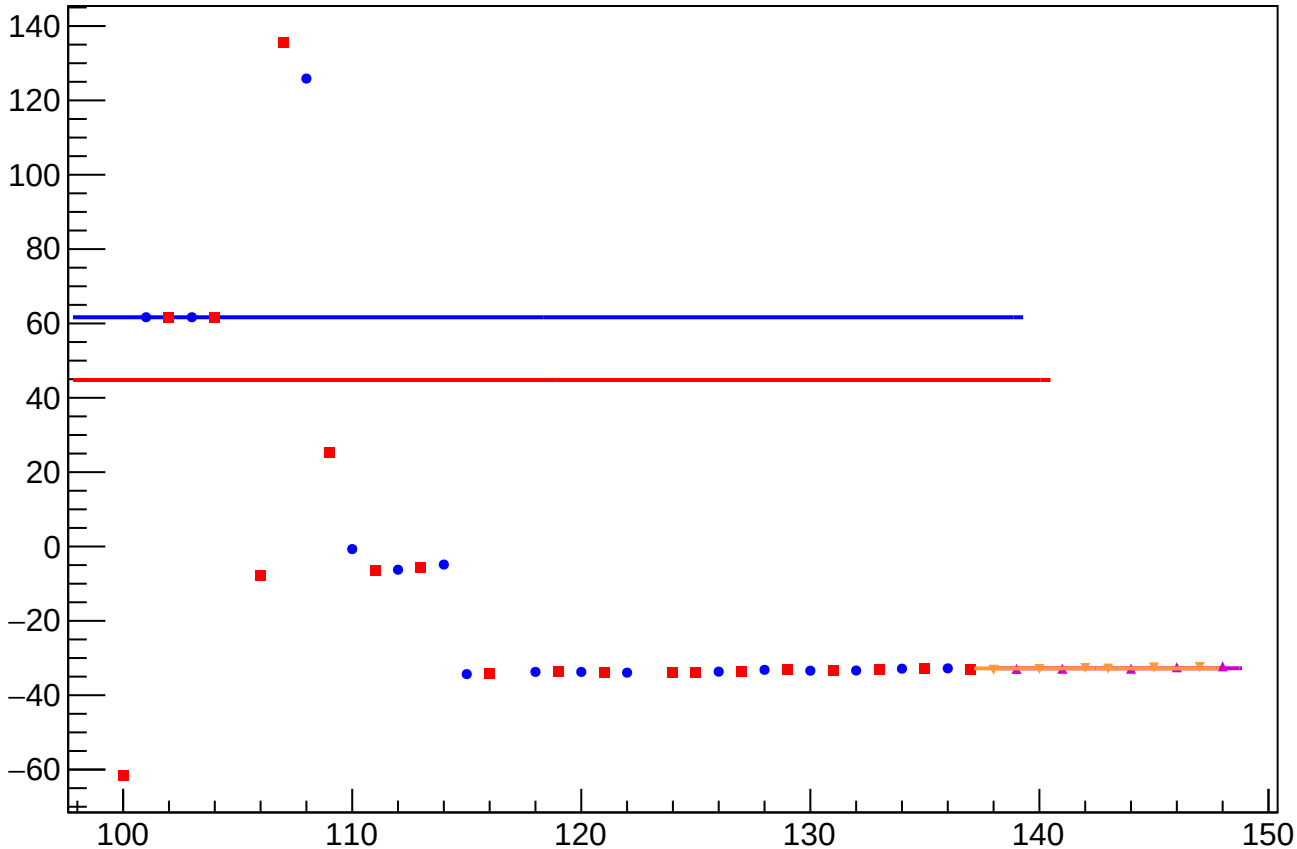
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:16129105.3/20

Out: 0.001+/-0.000 χ^2/NDF:16077299.1/24

All: 0.001+/-0.000 χ^2/NDF: 32206409.3/45

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.785+/-0.000 χ^2/NDF:2427377.3/5

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.755+/-0.000 χ^2/NDF:1999770.9/4

Left: -32.771+/-0.000 χ^2/NDF: 4446712.7/10

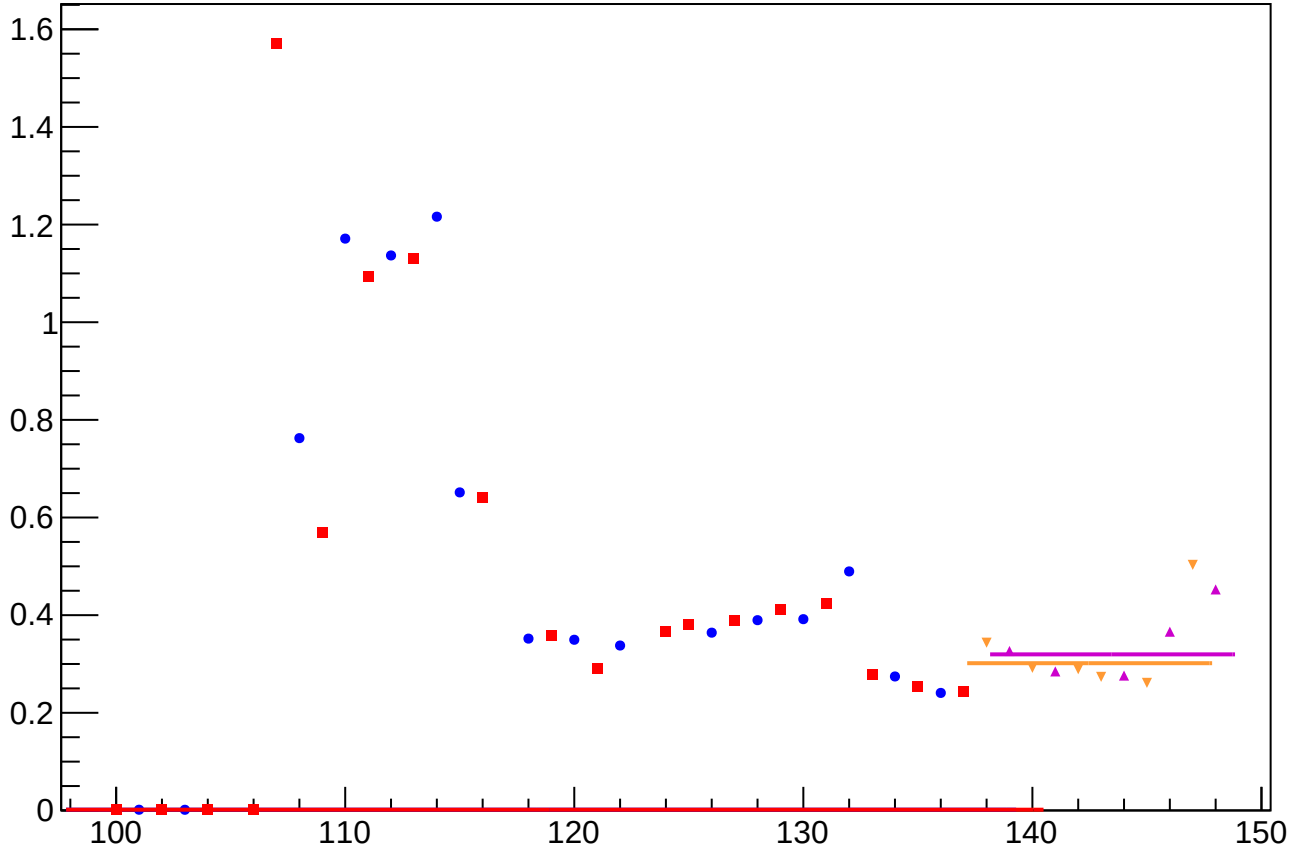
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.651+/-0.000 χ^2/NDF:719577241922.1/20

Out: 44.776+/-0.000 χ^2/NDF:366368954342688.1

All: 52.678+/-0.000 χ^2/NDF: 4181876968247

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.302+/-0.000 χ^2/NDF:335924.0/5

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.320+/-0.000 χ^2/NDF:231084.5/4

Left: 0.310+/-0.000 χ^2/NDF: 580831.8/10

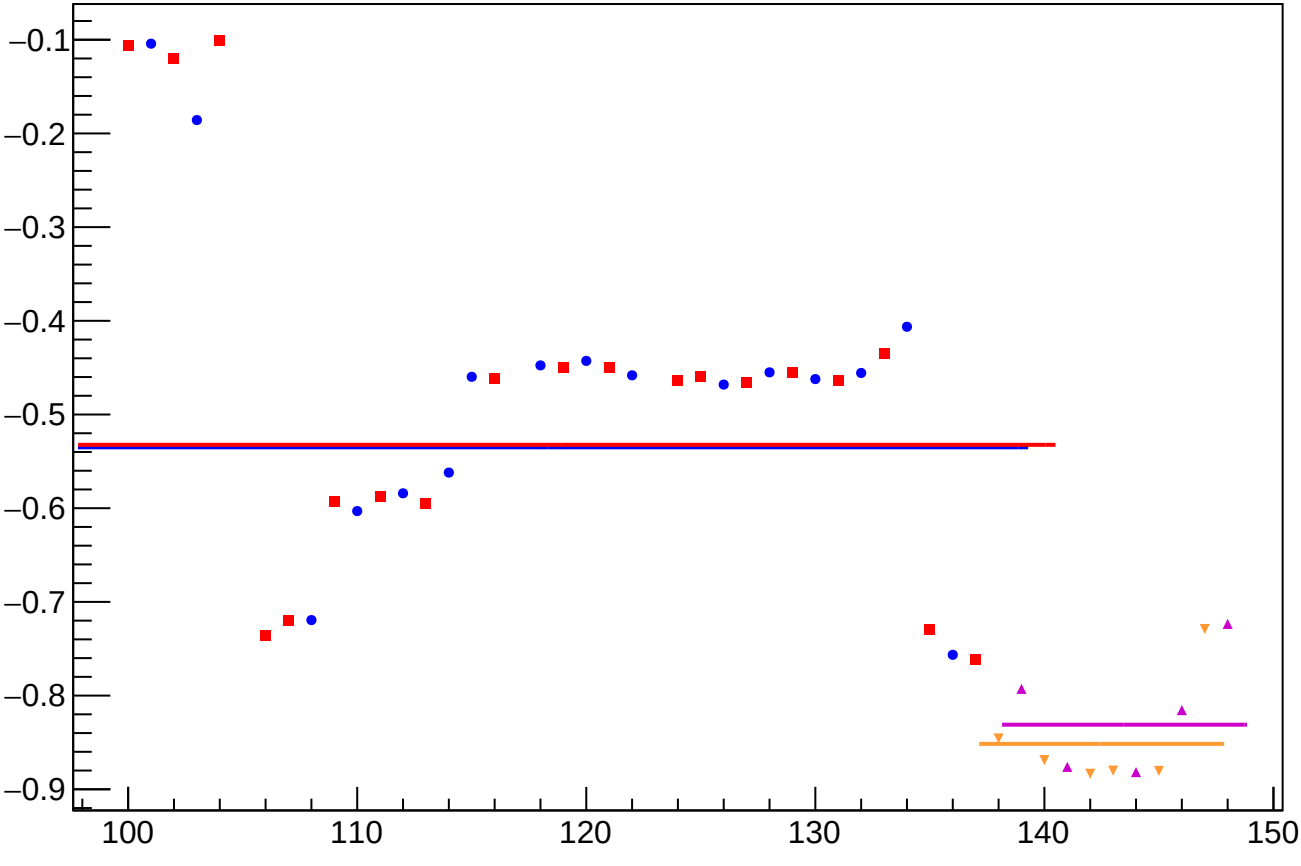
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:19208378.0/20

Out: 0.002+/-0.000 χ^2/NDF:19100725.7/24

All: 0.002+/-0.000 χ^2/NDF: 38309214.2/45

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.852+/-0.000 χ^2/NDF:29168244.4/5

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.831+/-0.000 χ^2/NDF:29879732.4/4

Left: -0.842+/-0.000 χ^2/NDF: 60931459.8/10

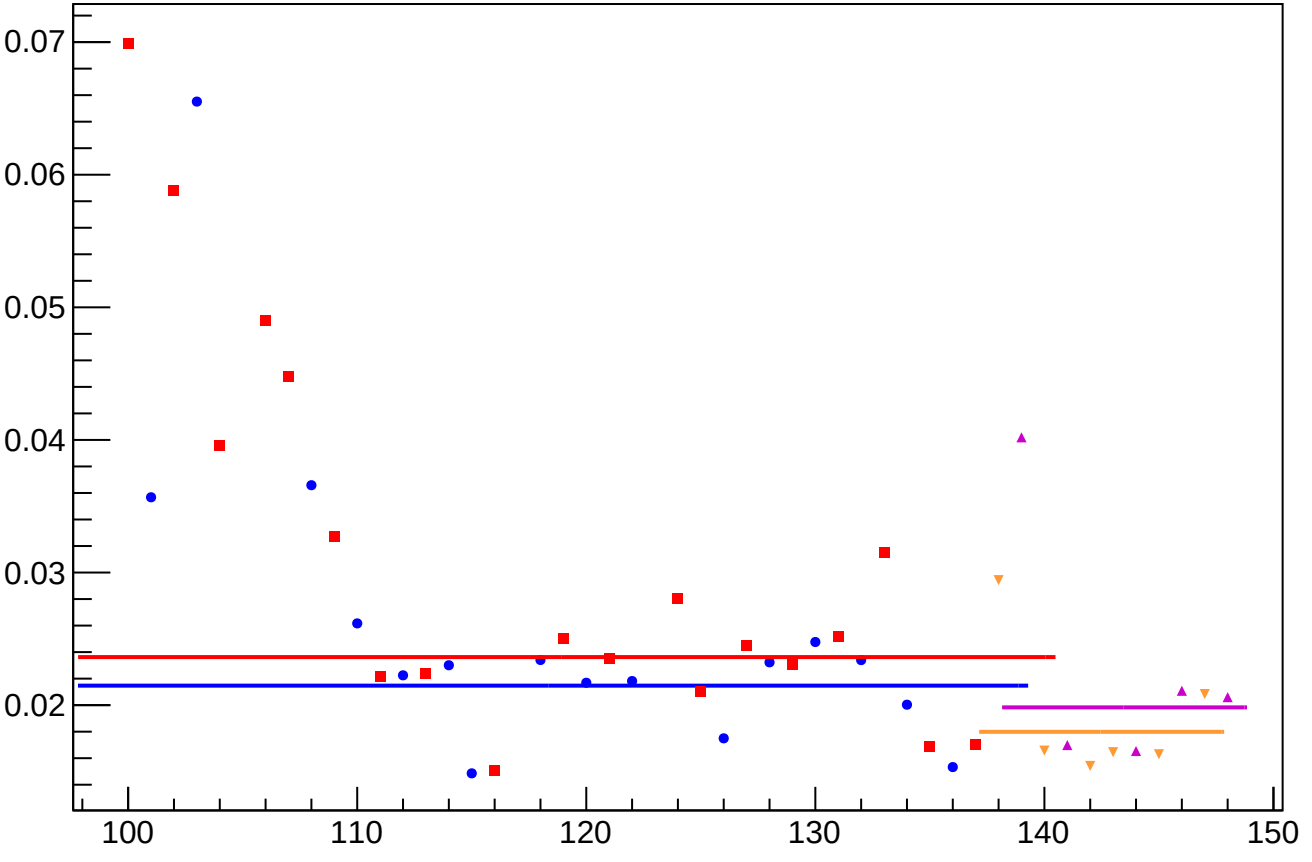
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.658+/-0.000 χ^2/NDF:752904147.0/20

Out: -0.691+/-0.000 χ^2/NDF:750154910.4/24

All: -0.674+/-0.000 χ^2/NDF: 1514268712.7/4

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:268217.0/5

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:524663.3/4

Left: 0.019+/-0.000 χ^2/NDF: 823370.4/10

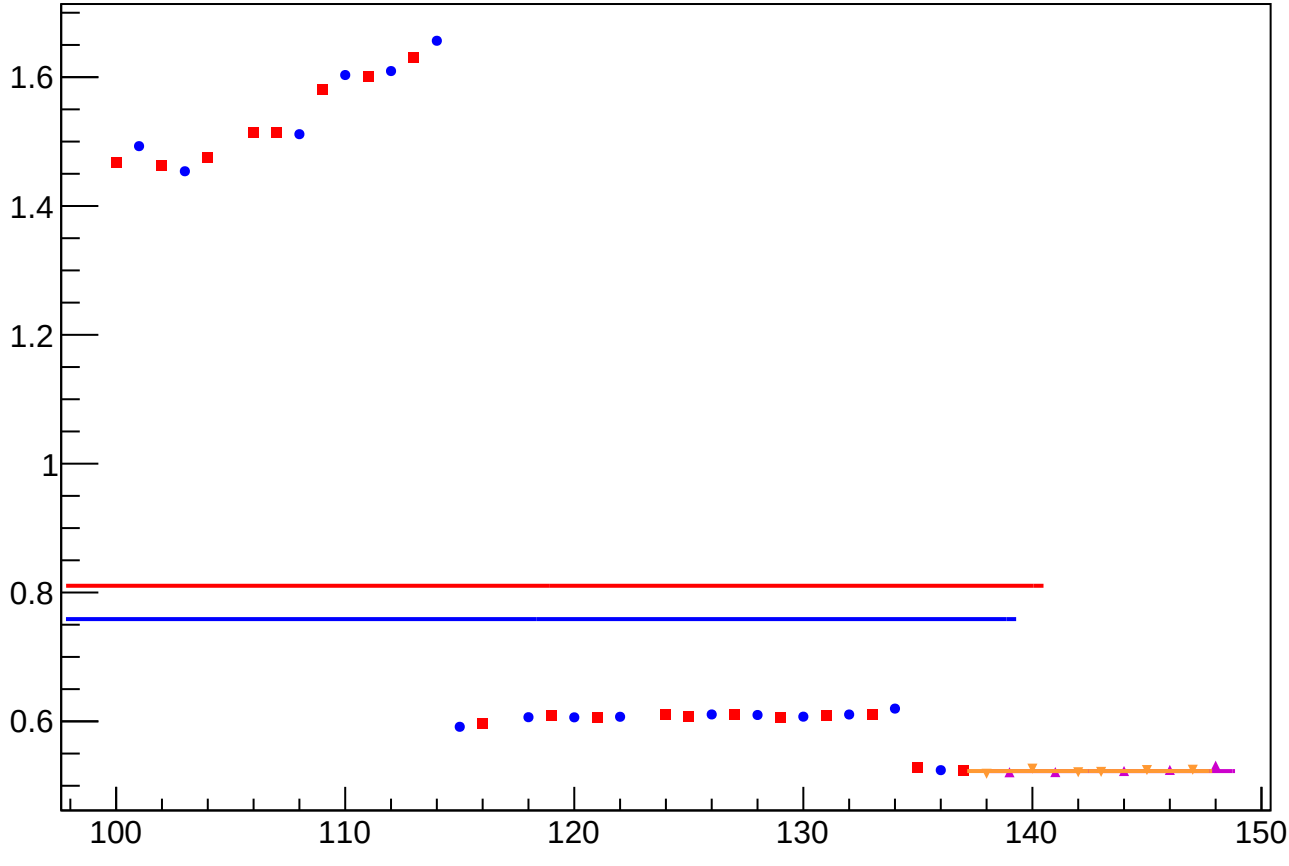
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704549.8/20

Out: 0.021+/-0.000 χ^2/NDF:1861466.8/24

All: 0.021+/-0.000 χ^2/NDF: 3566032.0/45

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:225337.6/5

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.523+/-0.000 χ^2/NDF:164757.5/4

Left: 0.523+/-0.000 χ^2/NDF: 390143.2/10

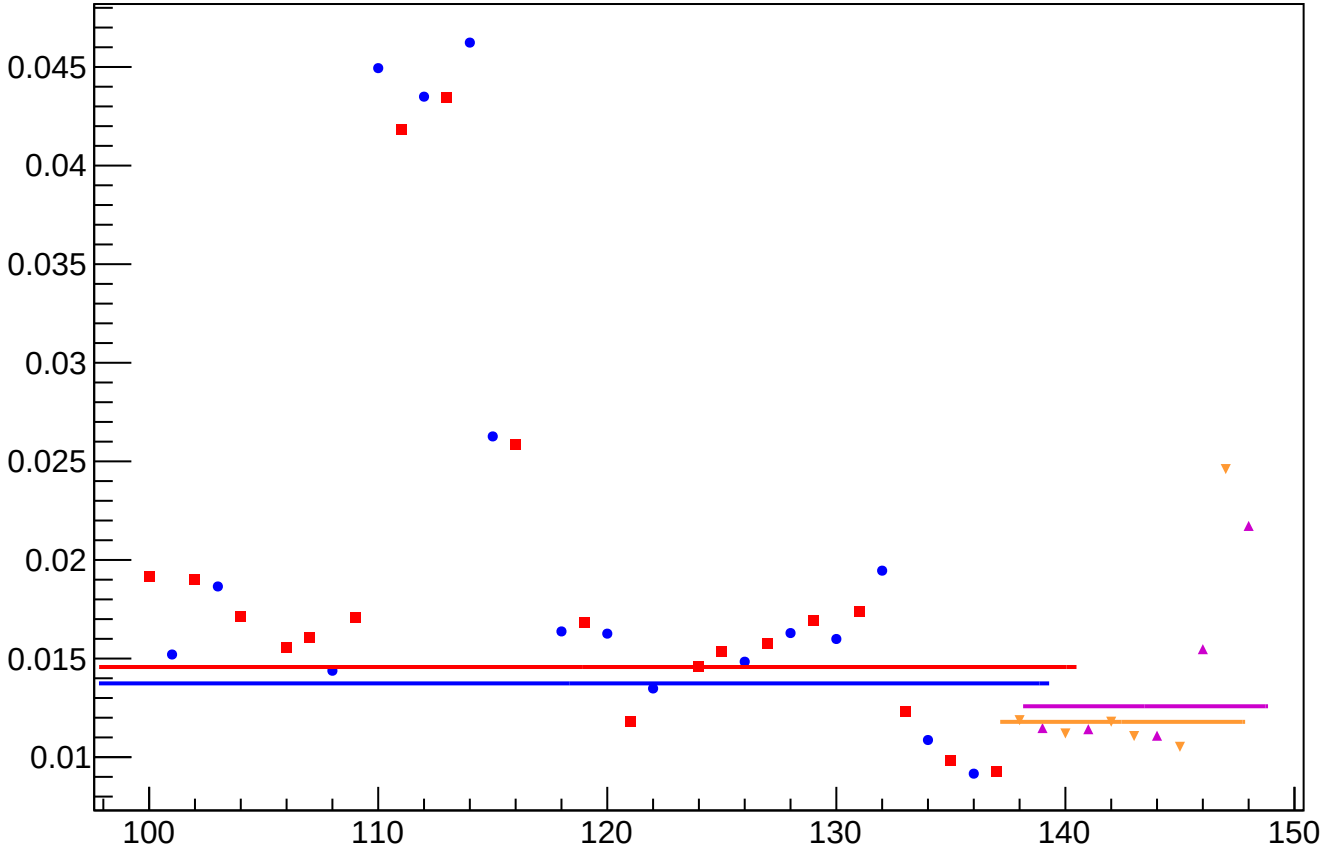
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.655+/-0.000 χ^2/NDF:5077928680.2/20

Out: 0.666+/-0.000 χ^2/NDF:5988809345.6/24

All: 0.661+/-0.000 χ^2/NDF: 11070518326.5/4

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:466962.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.013+/-0.000 χ^2/NDF:398780.7/4

Left: 0.012+/-0.000 χ^2/NDF: 882616.2/10

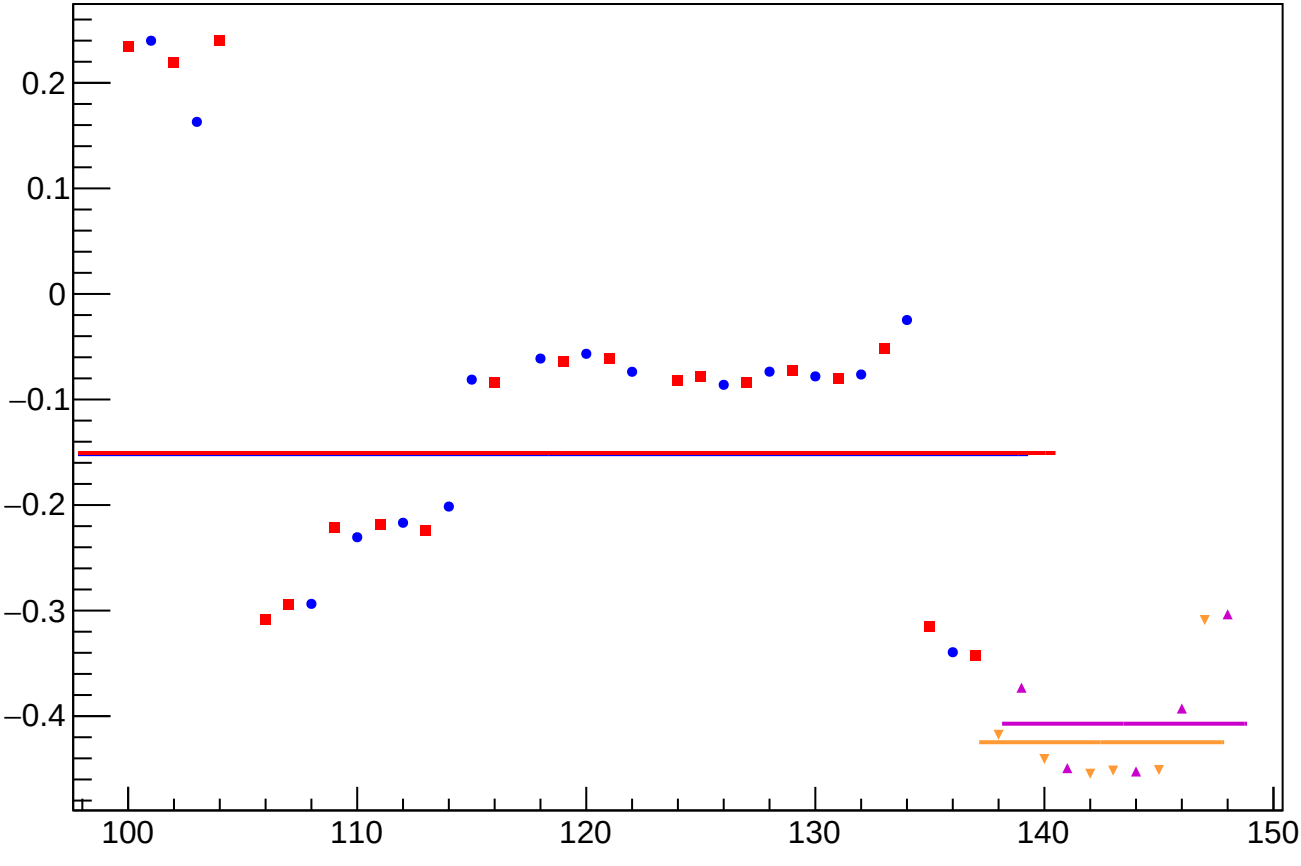
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2085961.4/20

Out: 0.013+/-0.000 χ^2/NDF:2150037.6/24

All: 0.013+/-0.000 χ^2/NDF: 4236161.9/45

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.425+/-0.000 χ^2/NDF:28662544.2/5

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.407+/-0.000 χ^2/NDF:29648708.6/4

Left: -0.417+/-0.000 χ^2/NDF: 59862943.7/10

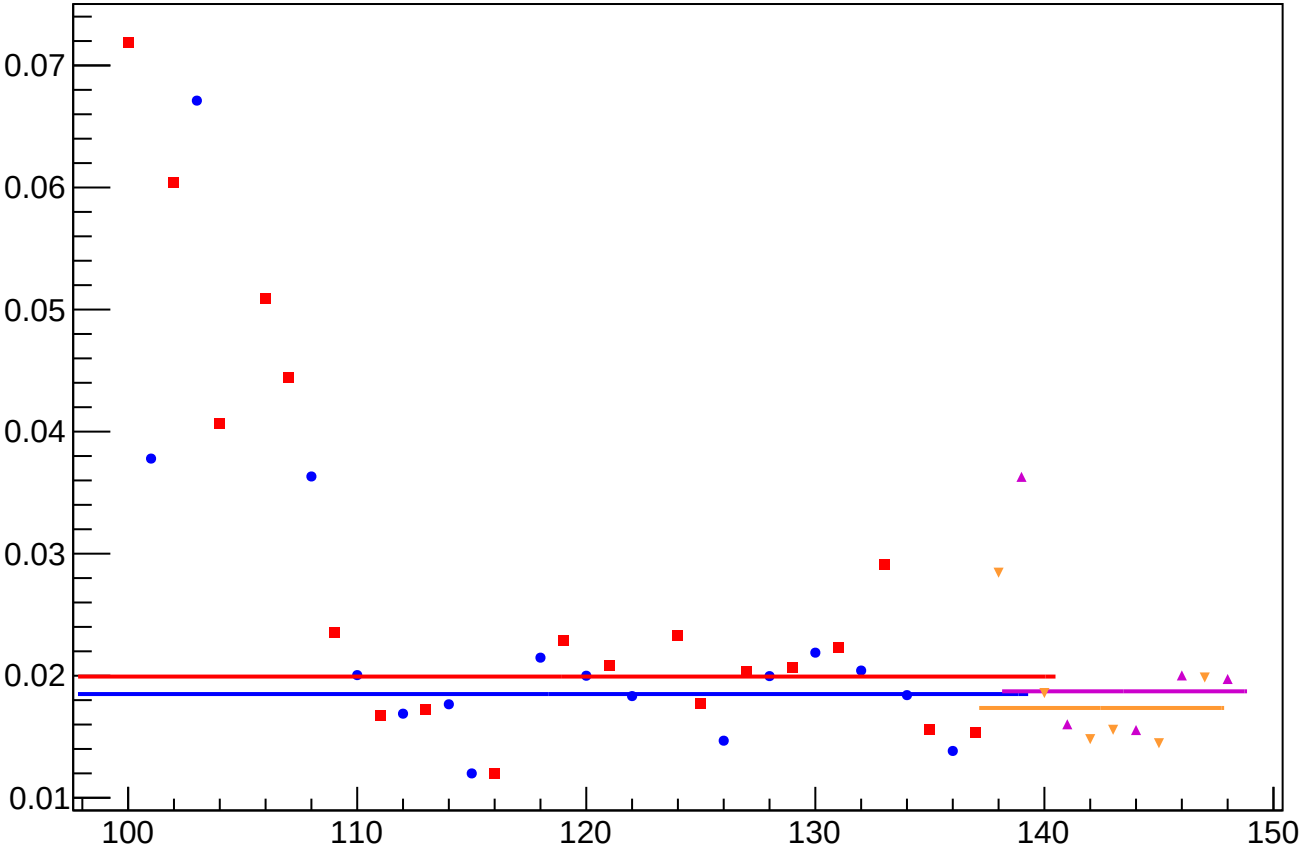
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.248+/-0.000 χ^2/NDF:685928627.5/20

Out: -0.272+/-0.000 χ^2/NDF:683879801.0/24

All: -0.260+/-0.000 χ^2/NDF: 1376813607.4/4

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.017+/-0.000 χ^2/NDF:309153.8/5

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:494450.0/4

Left: 0.018+/-0.000 χ^2/NDF: 822319.8/10

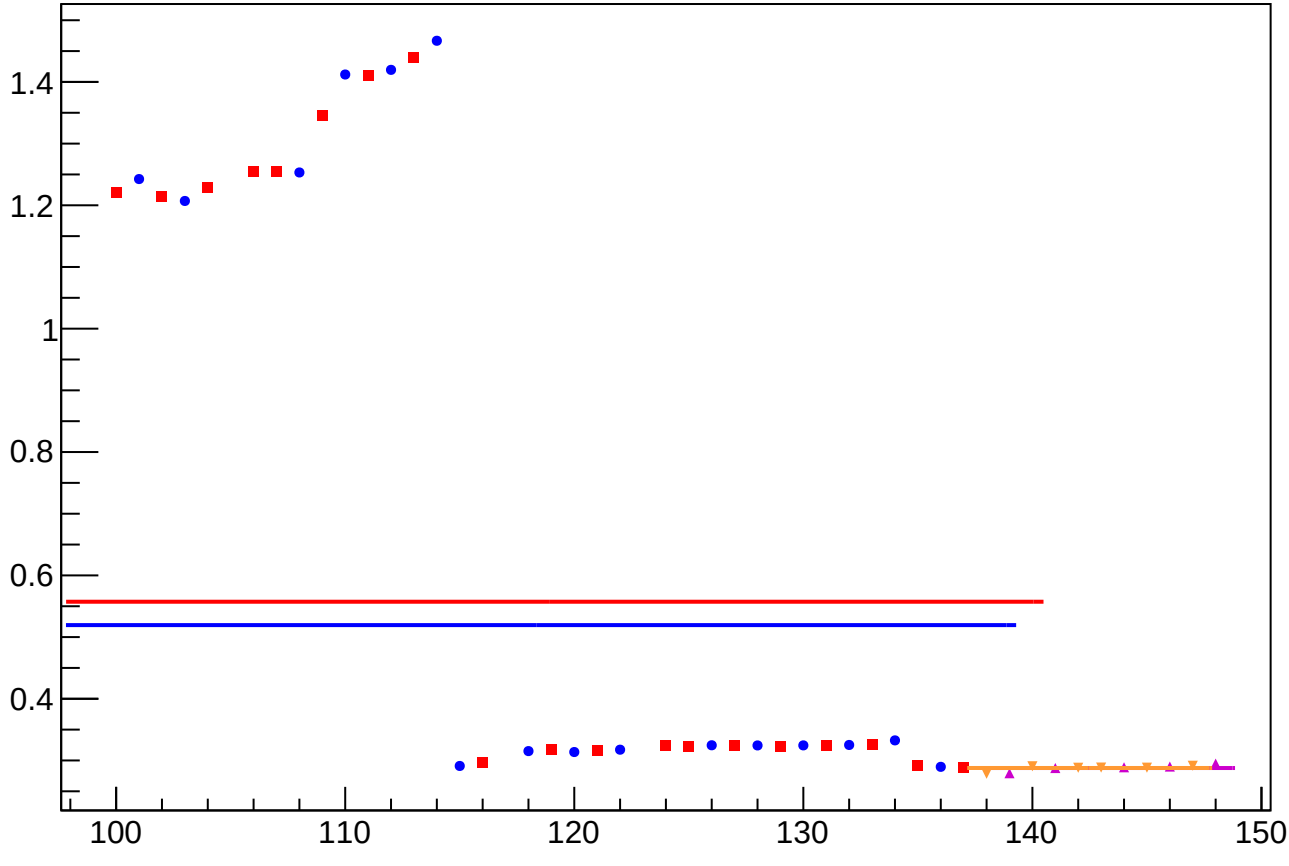
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1867392.0/20

Out: 0.019+/-0.000 χ^2/NDF:1937084.3/24

All: 0.019+/-0.000 χ^2/NDF: 3805555.0/45

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.288+/-0.000 χ^2/NDF:449908.4/5

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.288+/-0.000 χ^2/NDF:587985.2/4

Left: 0.288+/-0.000 χ^2/NDF: 1037947.2/10

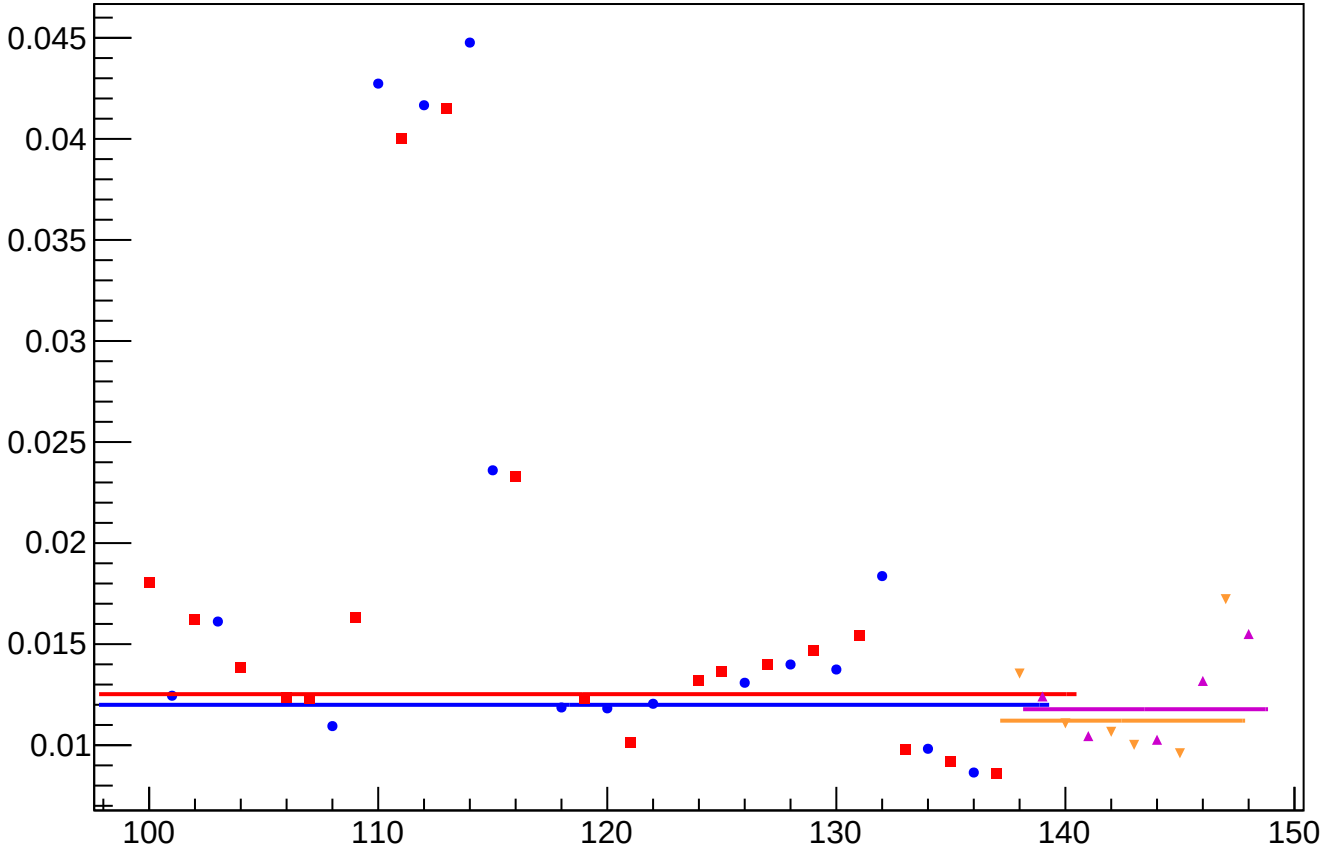
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.424+/-0.000 χ^2/NDF:7237187060.6/20

Out: 0.434+/-0.000 χ^2/NDF:8047236259.9/24

All: 0.429+/-0.000 χ^2/NDF: 15287911795.5/4

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:308222.8/5

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.012+/-0.000 χ^2/NDF:178108.6/4

Left: 0.011+/-0.000 χ^2/NDF: 496252.5/10

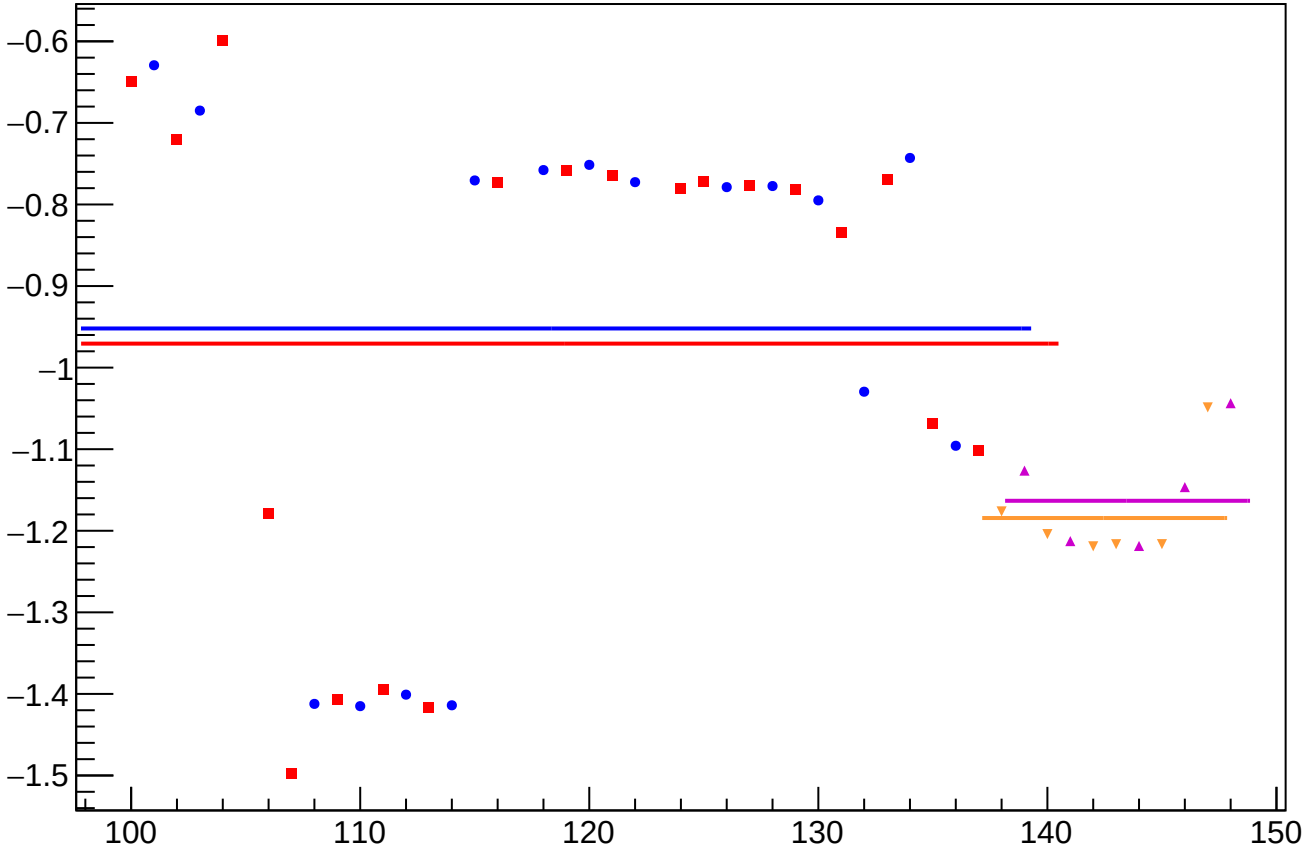
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1671331.9/20

Out: 0.012+/-0.000 χ^2/NDF:1804026.0/24

All: 0.012+/-0.000 χ^2/NDF: 3475376.7/45

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.184+/-0.000 χ^2/NDF:37542546.4/5

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.163+/-0.000 χ^2/NDF:38169682.1/4

Left: -1.175+/-0.000 χ^2/NDF: 77813947.1/10

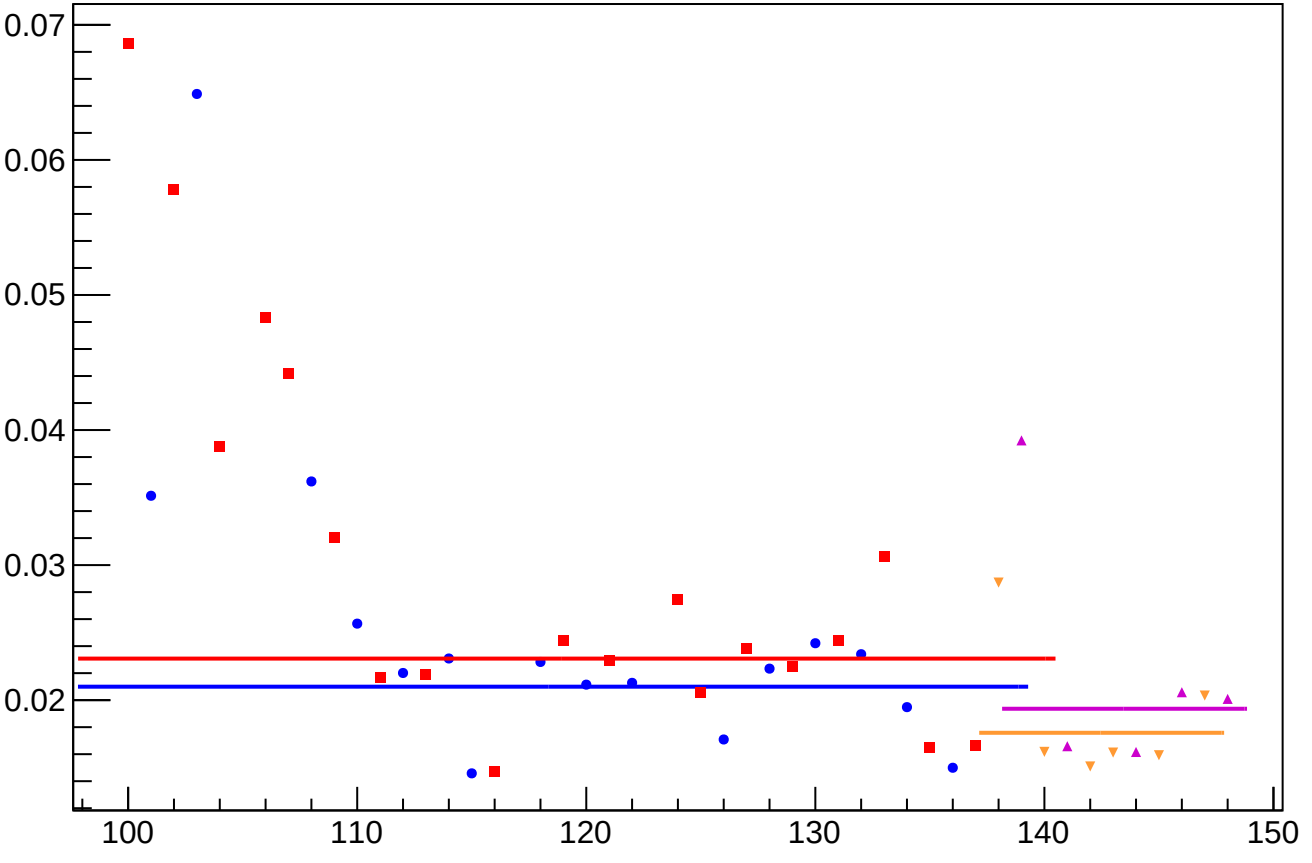
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.040+/-0.000 χ^2/NDF:962733528.7/20

Out: -1.077+/-0.000 χ^2/NDF:989920229.9/24

All: -1.059+/-0.000 χ^2/NDF: 1967197654.6/4

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:266303.0/5

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:523779.5/4

Left: 0.018+/-0.000 χ^2/NDF: 819924.9/10

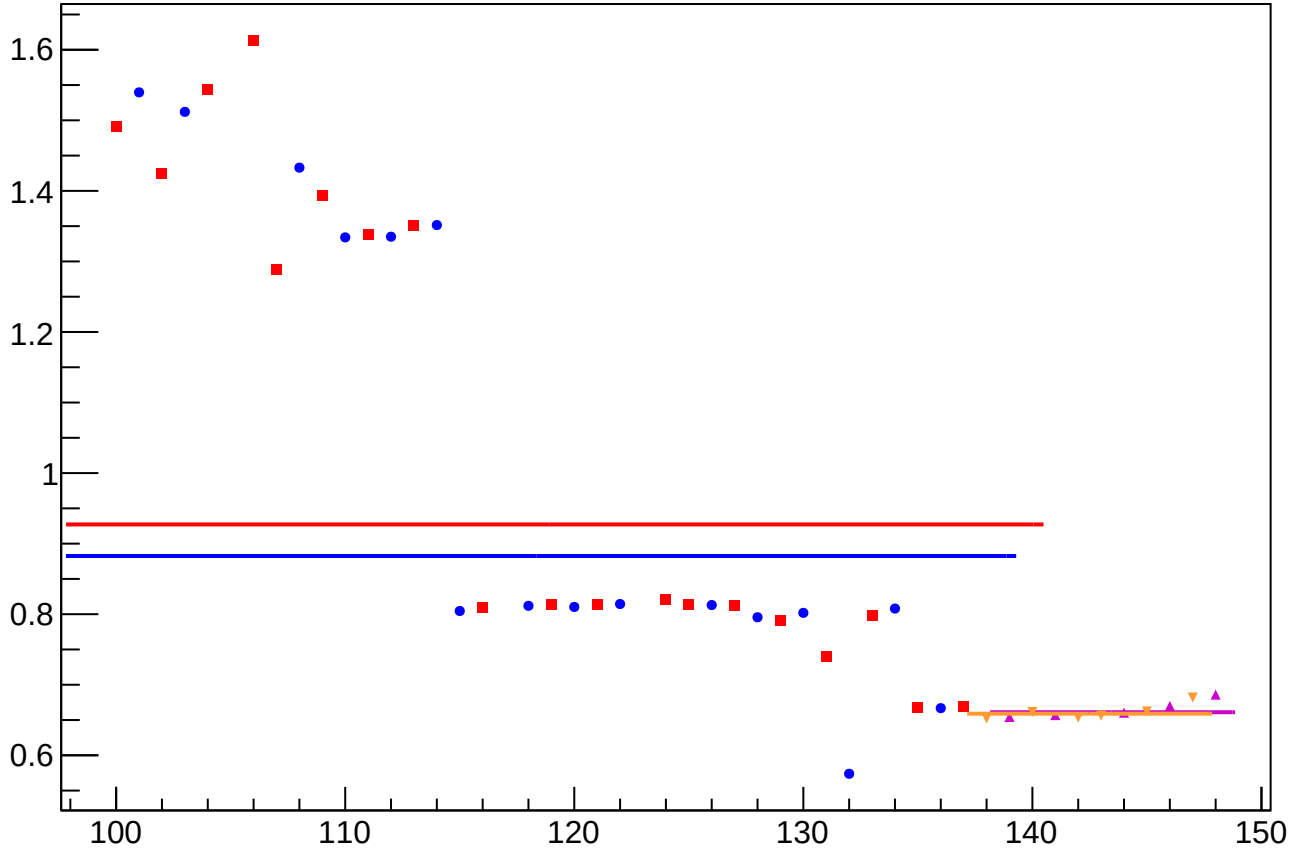
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717706.3/20

Out: 0.020+/-0.000 χ^2/NDF:1861728.9/24

All: 0.020+/-0.000 χ^2/NDF: 3579443.3/45

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.659+/-0.000 χ^2/NDF:1171604.9/5

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.661+/-0.000 χ^2/NDF:1684865.5/4

Left: 0.660+/-0.000 χ^2/NDF: 2913977.1/10

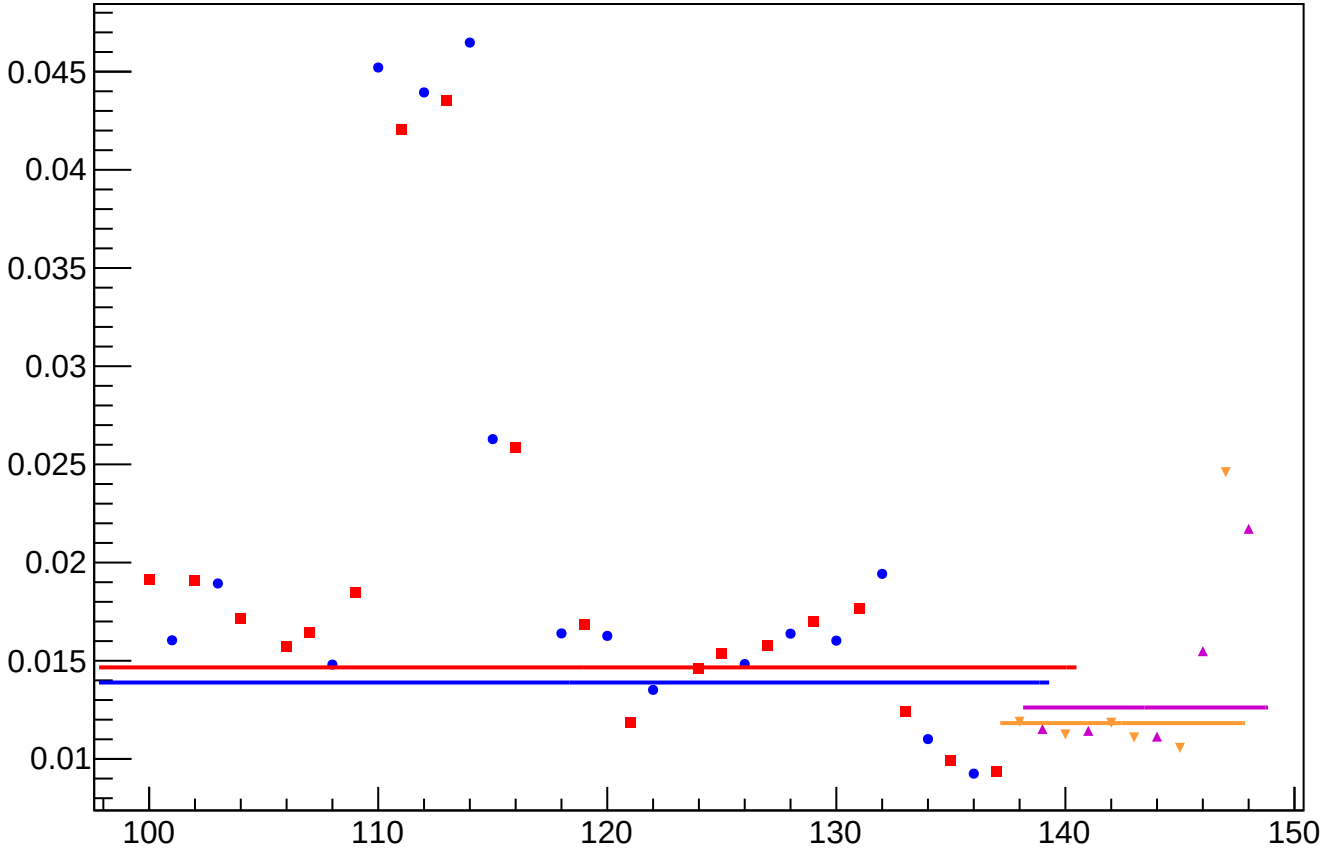
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.784+/-0.000 χ^2/NDF:3457232255.8/20

Out: 0.792+/-0.000 χ^2/NDF:3812092339.8/24

All: 0.788+/-0.000 χ^2/NDF: 7271177777.3/45

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:463519.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.013+/-0.000 χ^2/NDF:394558.4/4

Left: 0.012+/-0.000 χ^2/NDF: 875015.1/10

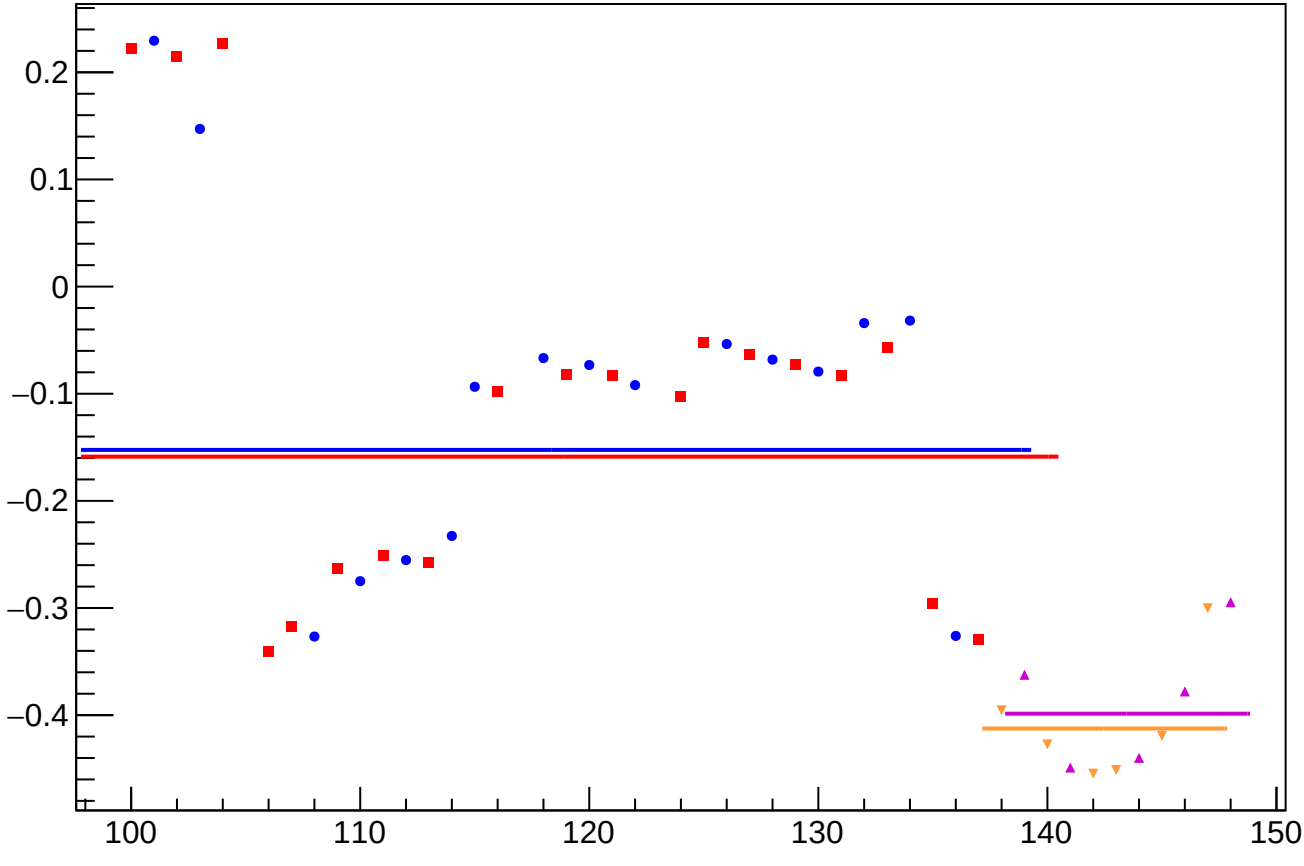
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2085597.7/20

Out: 0.013+/-0.000 χ^2/NDF:2165136.5/24

All: 0.013+/-0.000 χ^2/NDF: 4251233.9/45

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.412+/-0.000 χ^2/NDF:28126989.8/5

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.399+/-0.000 χ^2/NDF:30665903.9/4

Left: -0.406+/-0.000 χ^2/NDF: 59755167.1/10

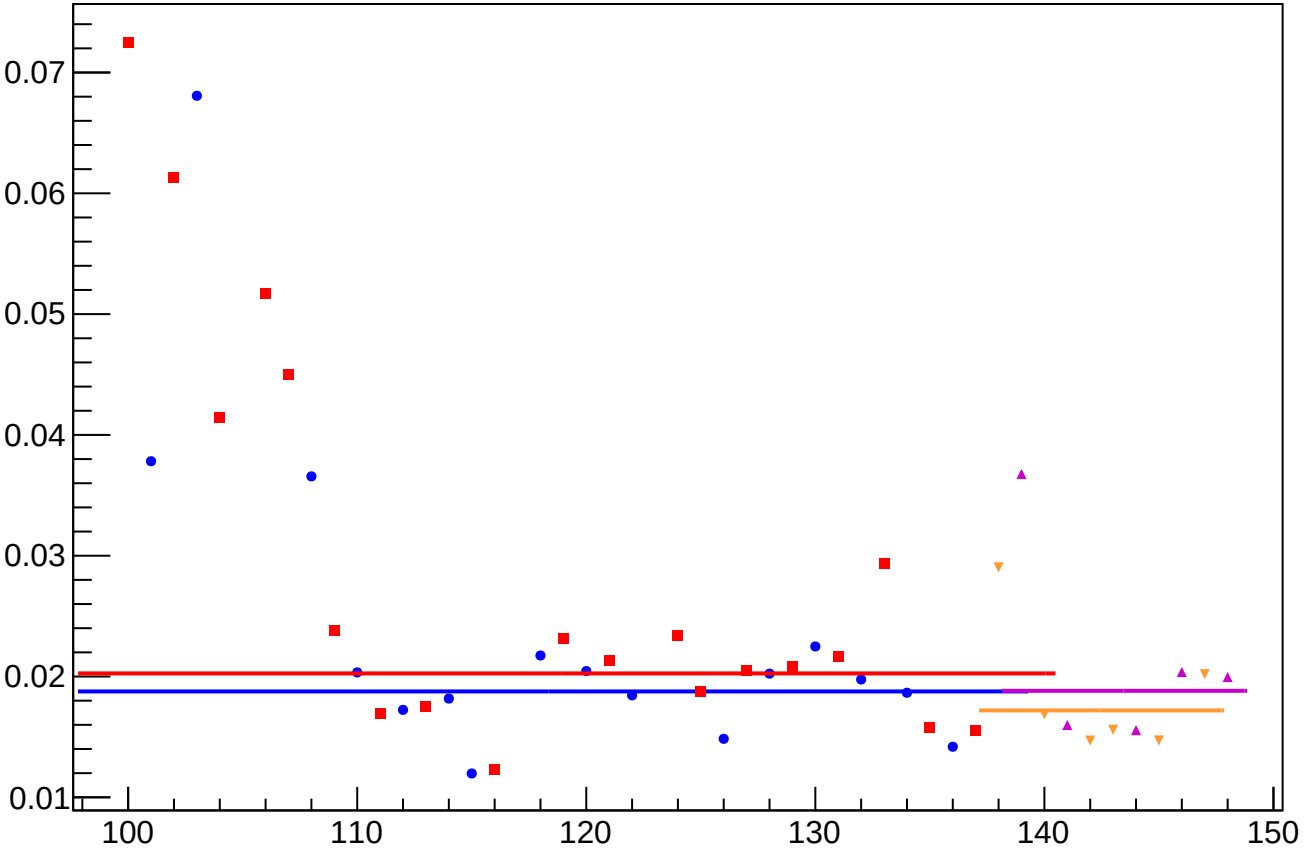
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.246+/-0.000 χ^2/NDF:651013384.3/20

Out: -0.274+/-0.000 χ^2/NDF:610607878.6/24

All: -0.260+/-0.000 χ^2/NDF: 1270747646.3/4

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:318183.6/5

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:510060.1/4

Left: 0.018+/-0.000 χ^2/NDF: 854583.0/10

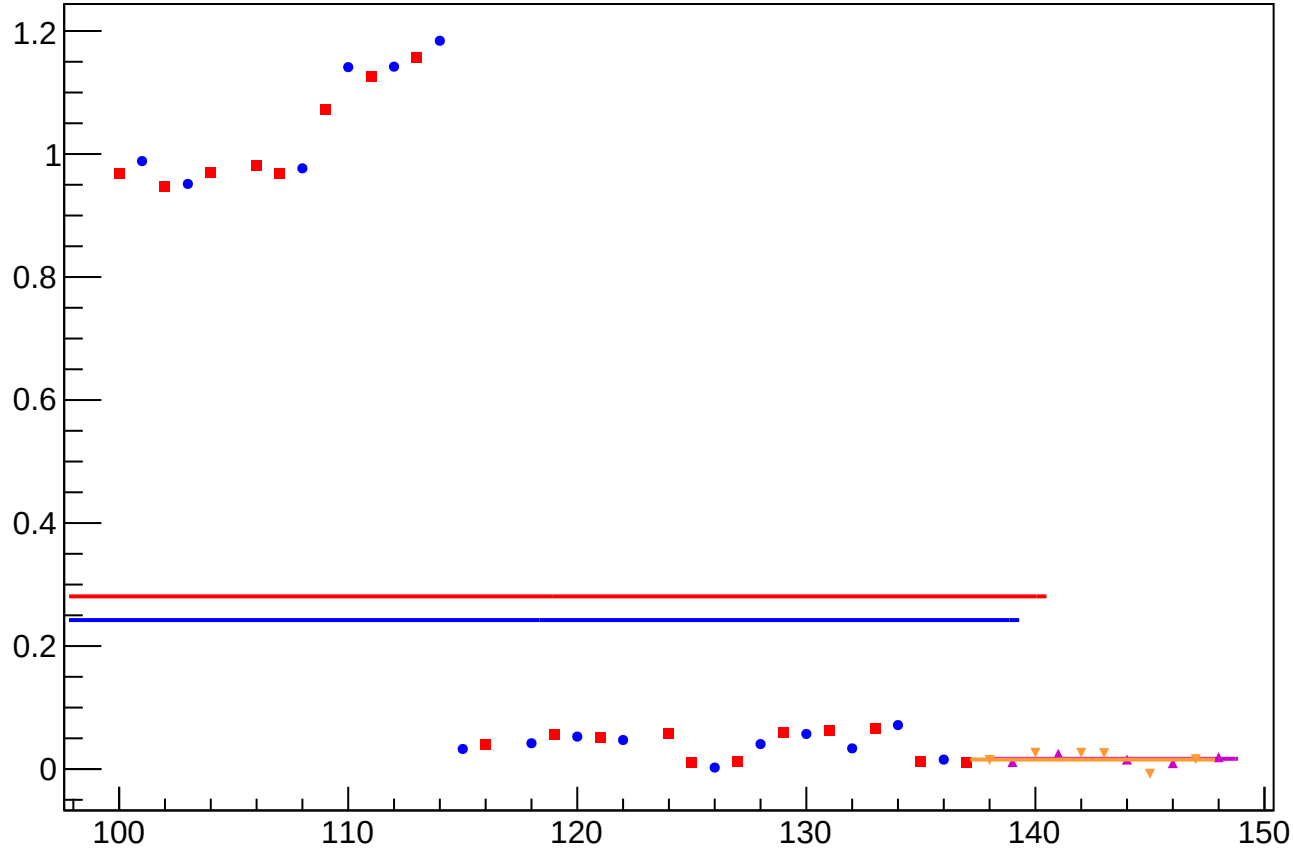
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1859500.9/20

Out: 0.019+/-0.000 χ^2/NDF:1960552.6/24

All: 0.019+/-0.000 χ^2/NDF: 3820233.2/45

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:6773196.8/5

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.017+/-0.000 χ^2/NDF:975656.2/4

Left: 0.016+/-0.000 χ^2/NDF: 7771318.9/10

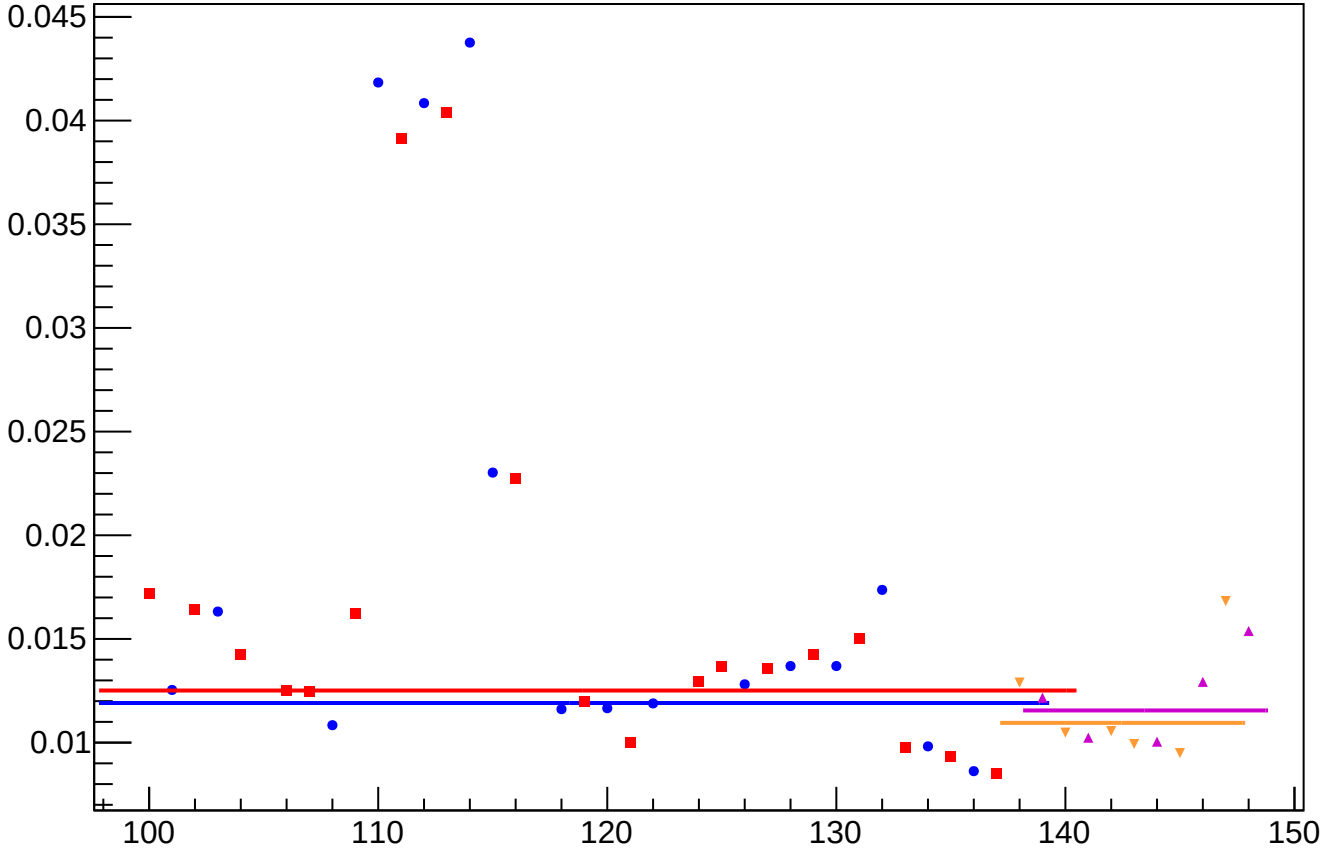
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.148+/-0.000 χ^2/NDF:7403995254.9/20

Out: 0.156+/-0.000 χ^2/NDF:8058499647.5/24

All: 0.152+/-0.000 χ^2/NDF: 15464999028.6/4

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:286512.7/5

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.012+/-0.000 χ^2/NDF:187440.4/4

Left: 0.011+/-0.000 χ^2/NDF: 485527.7/10

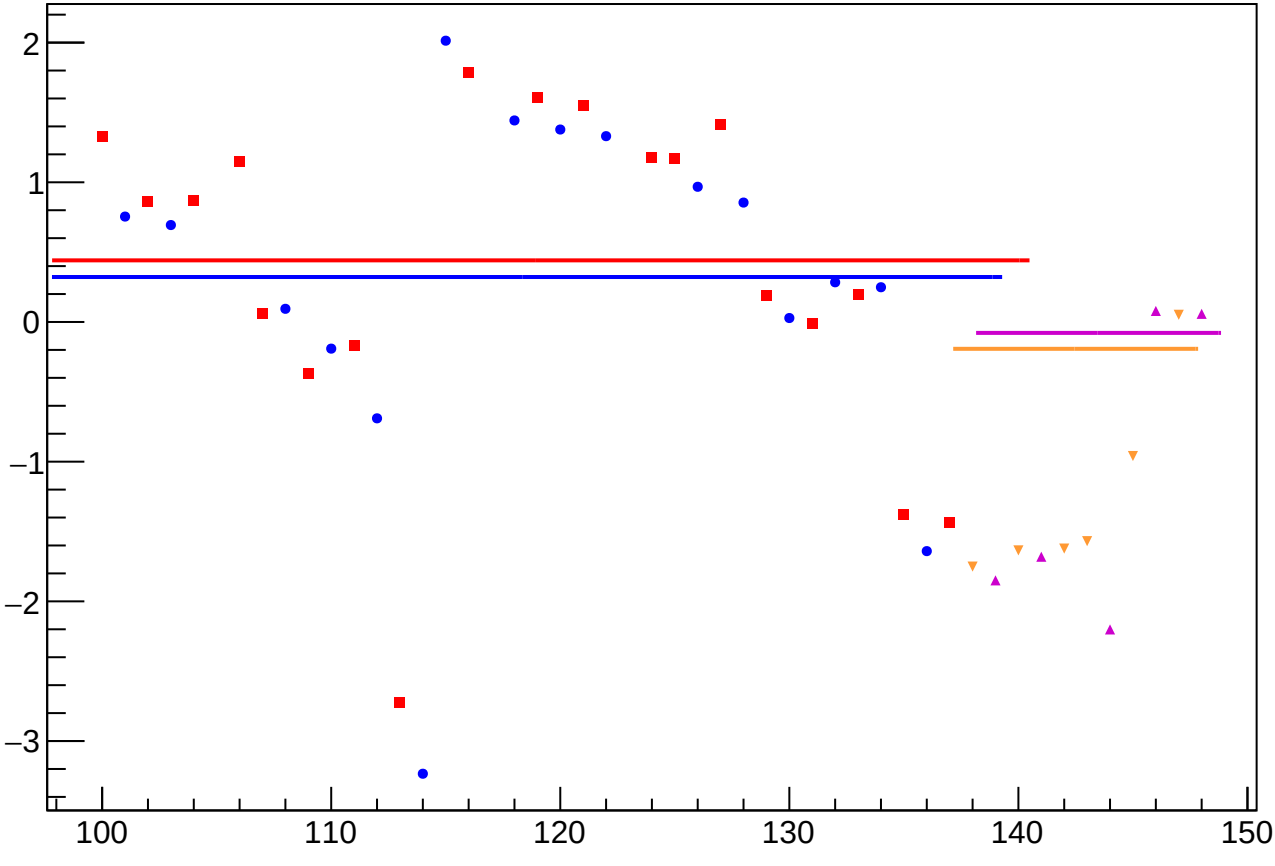
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1651415.0/20

Out: 0.012+/-0.000 χ^2/NDF:1768514.5/24

All: 0.012+/-0.000 χ^2/NDF: 3419958.8/45

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -0.192+/-0.000 χ^2/NDF:988513152.0/5

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -0.078+/-0.000 χ^2/NDF:1597857937.1/4

Left: -0.120+/-0.000 χ^2/NDF: 2613162746.4/10

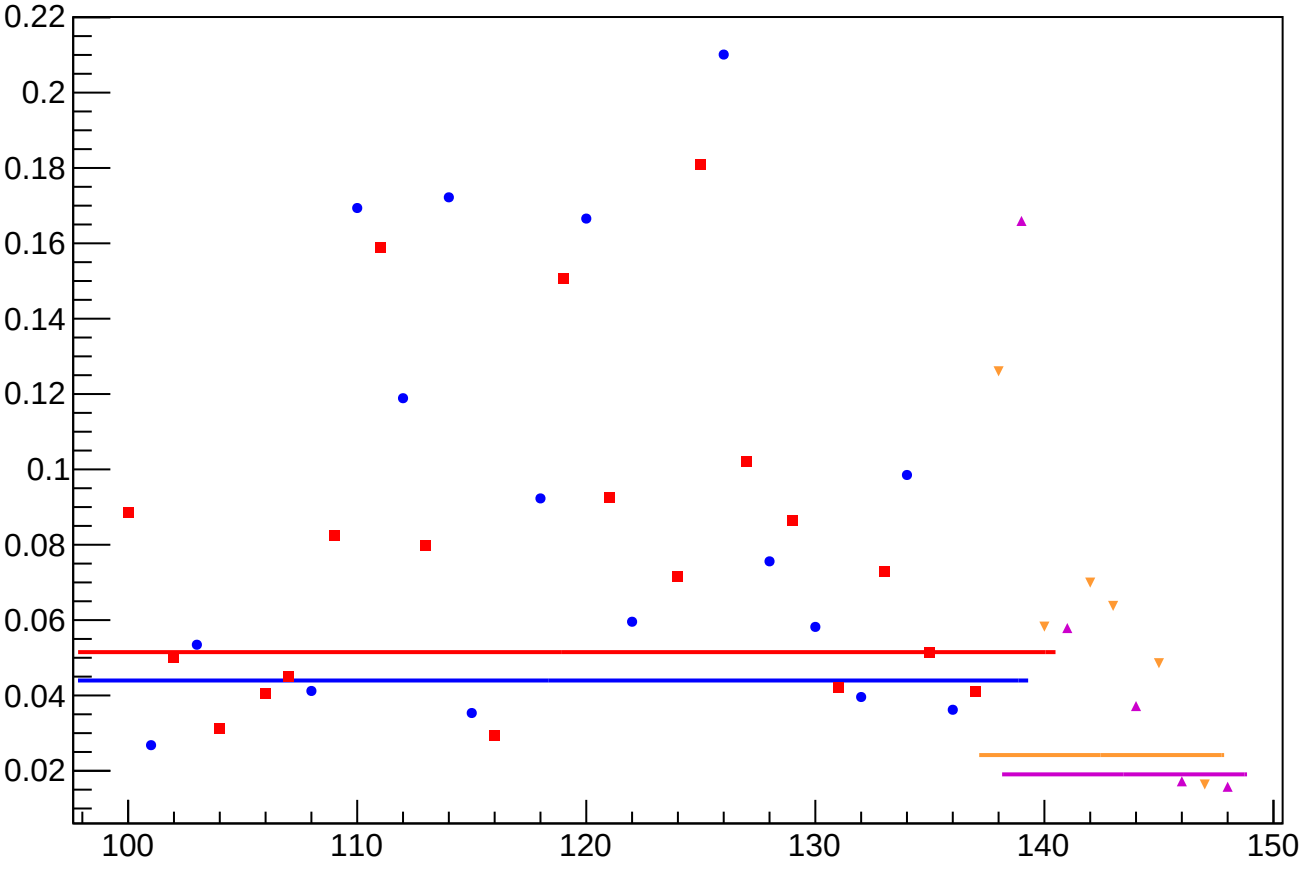
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.026+/-0.000 χ^2/NDF:3497467340.0/20

Out: 0.020+/-0.000 χ^2/NDF:3223950024.4/24

All: 0.024+/-0.000 χ^2/NDF: 6721531439.1/45

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.024+/-0.000 χ^2/NDF:2335715.4/5

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.019+/-0.000 χ^2/NDF:1875780.5/4

Left: 0.021+/-0.000 χ^2/NDF: 4319774.0/10

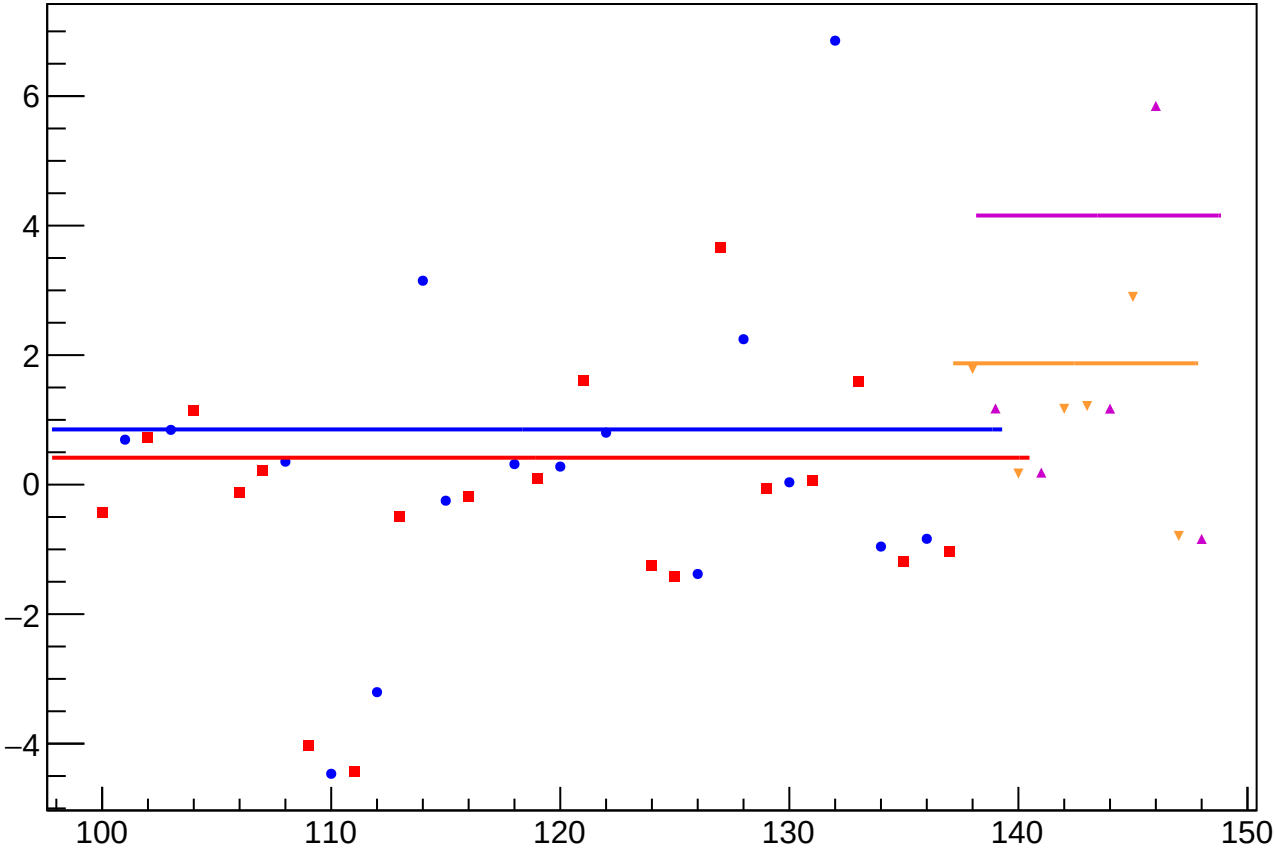
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.026+/-0.000 χ^2/NDF:6482818.8/20

Out: 0.033+/-0.000 χ^2/NDF:6336381.8/24

All: 0.029+/-0.000 χ^2/NDF: 13179459.0/45

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 1.874+/-0.000 χ^2/NDF:12001873767.4/5

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 4.156+/-0.000 χ^2/NDF:46909032652.5/4

Left: 3.121+/-0.000 χ^2/NDF: 73126977951.4/10

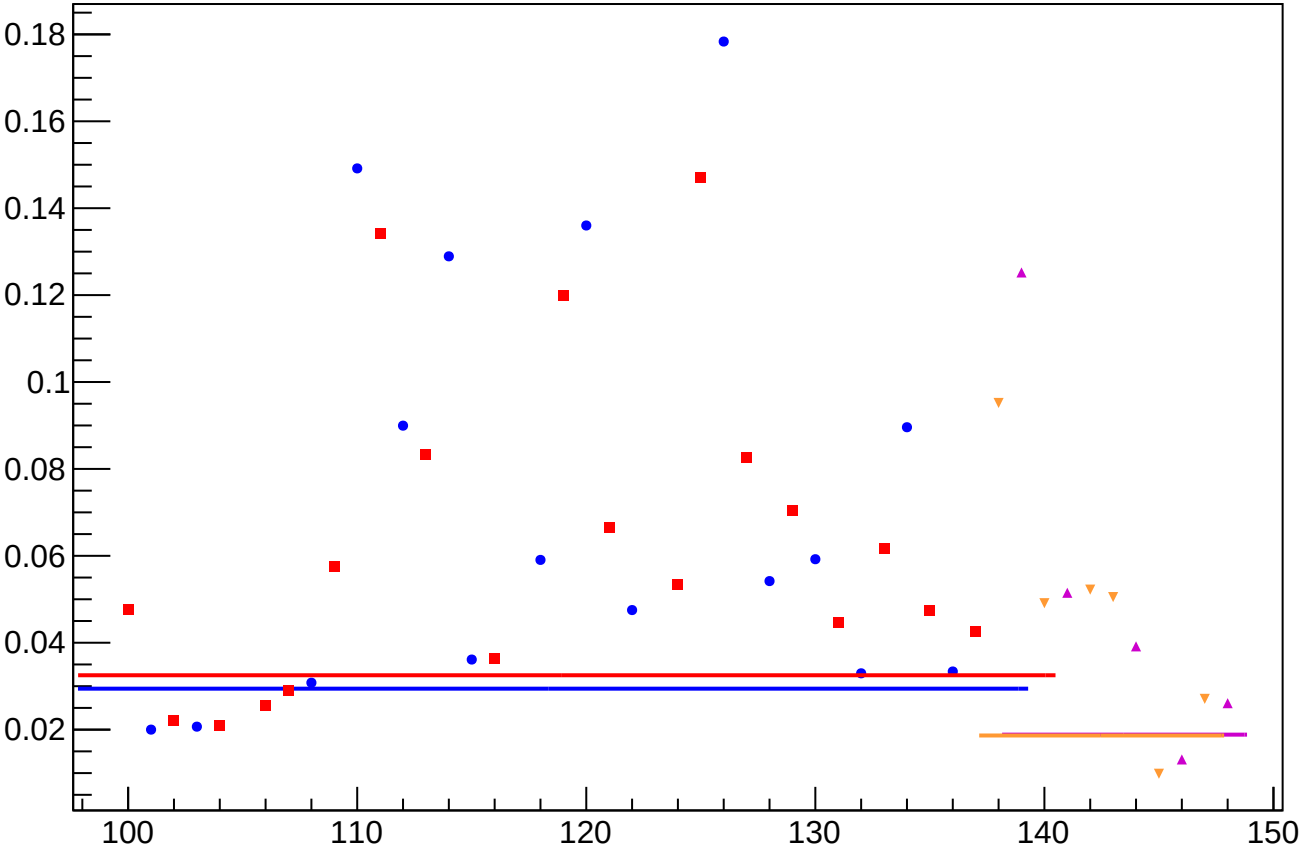
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 2.787+/-0.000 χ^2/NDF:85708367586.2/20

Out: 1.234+/-0.000 χ^2/NDF:21777557922.9/24

All: 2.067+/-0.000 χ^2/NDF: 118991321248.5

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2454793.7/5

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.019+/-0.000 χ^2/NDF:2137405.5/4

Left: 0.019+/-0.000 χ^2/NDF: 4592407.7/10

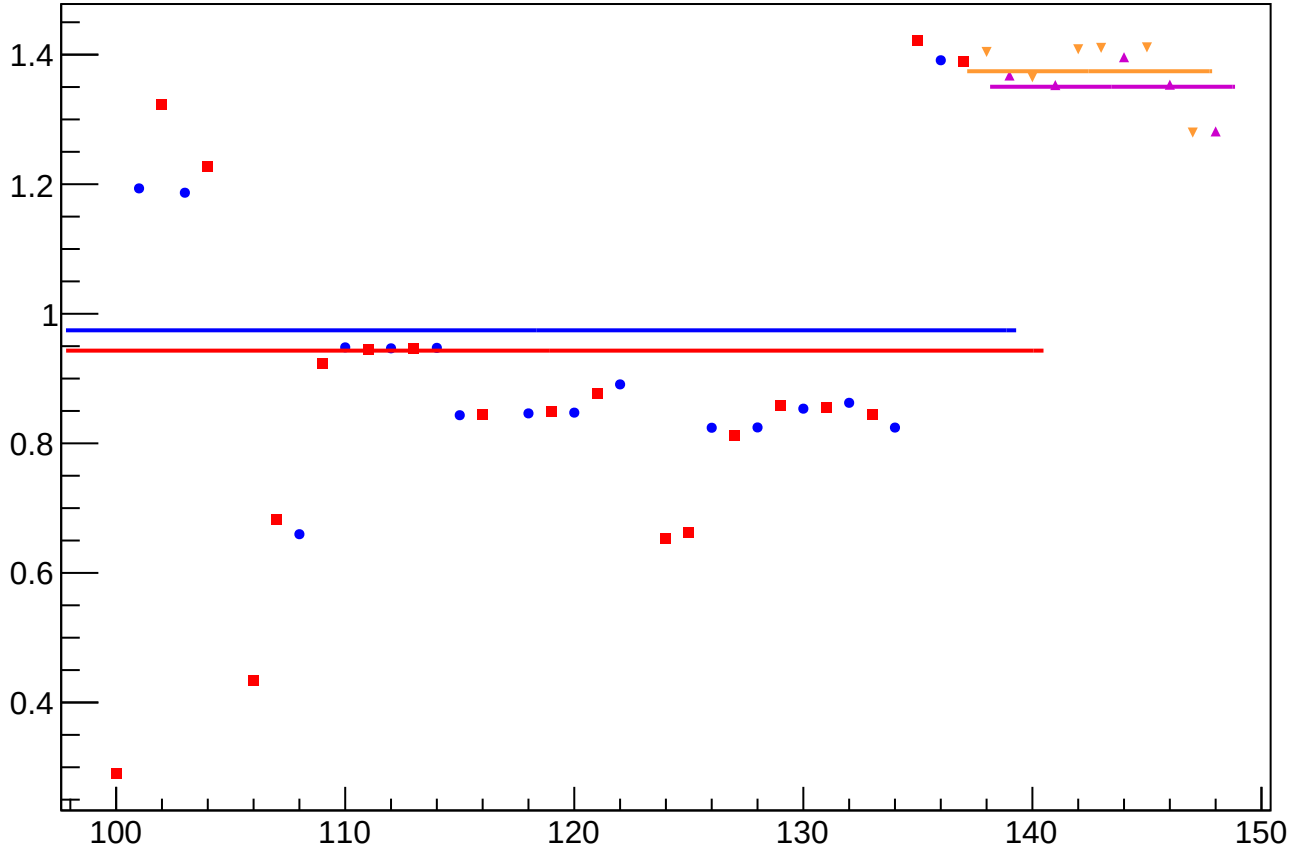
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.023+/-0.000 χ^2/NDF:5888302.3/20

Out: 0.025+/-0.000 χ^2/NDF:6611912.5/24

All: 0.024+/-0.000 χ^2/NDF: 12521773.9/45

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.374+/-0.000 χ^2/NDF:62084678.1/5

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.350+/-0.000 χ^2/NDF:35367414.9/4

Left: 1.363+/-0.000 χ^2/NDF: 104129281.6/10

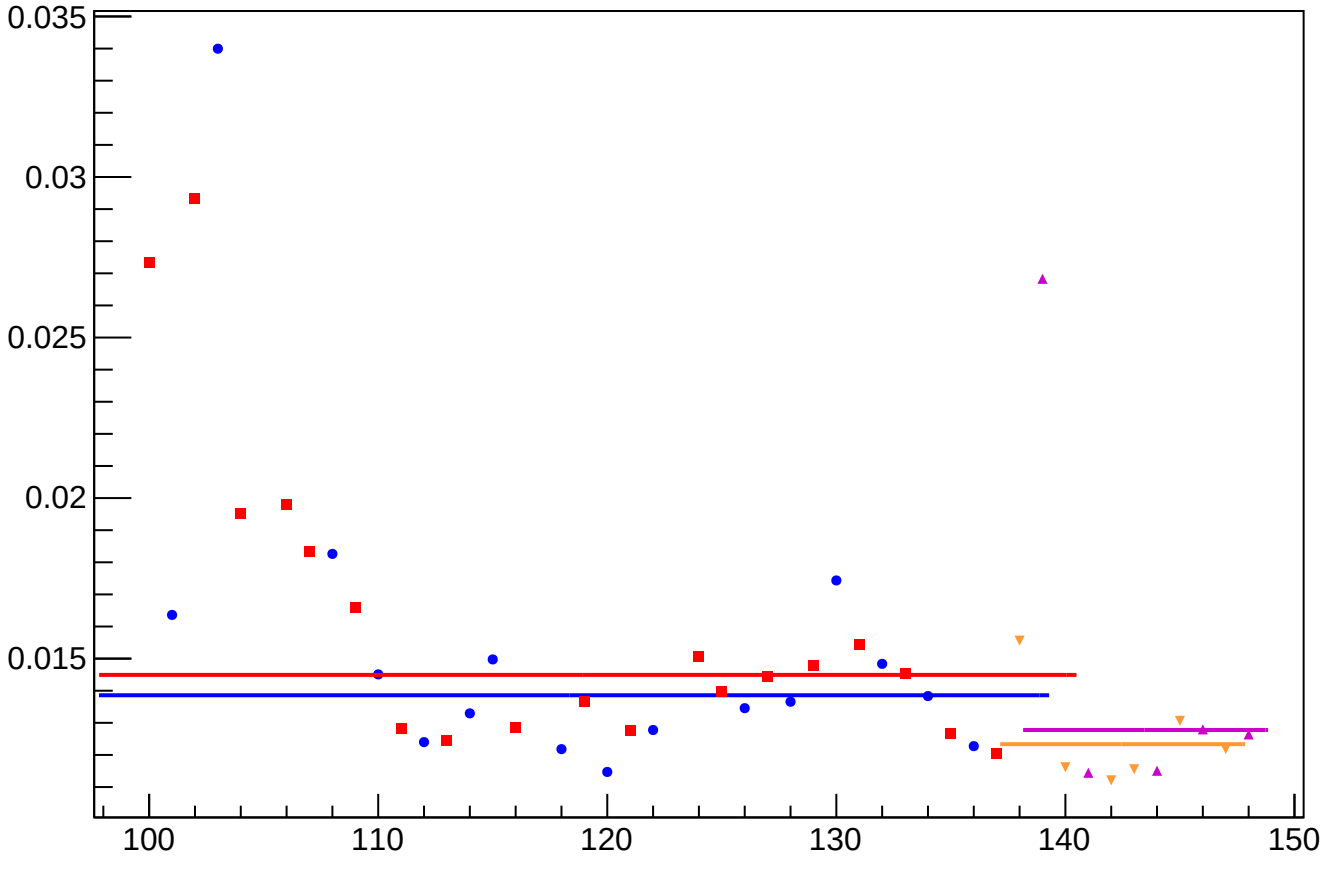
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.128+/-0.000 χ^2/NDF:3364263670.5/20

Out: 1.134+/-0.000 χ^2/NDF:4249691411.8/24

All: 1.131+/-0.000 χ^2/NDF: 7614990094.9/45

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:77284.8/5

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:483627.6/4

Left: 0.013+/-0.000 χ^2/NDF: 565467.0/10

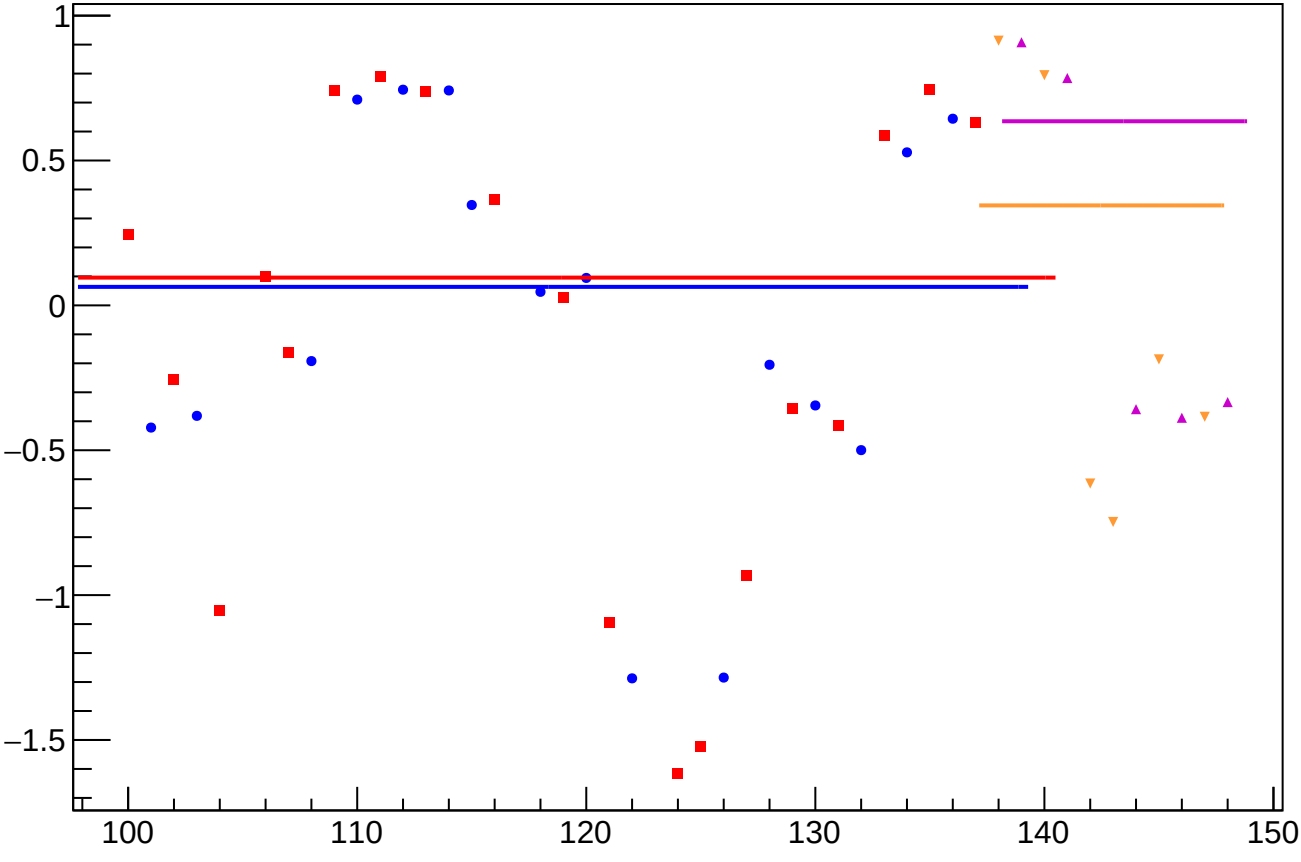
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1114567.3/20

Out: 0.014+/-0.000 χ^2/NDF:747629.6/24

All: 0.013+/-0.000 χ^2/NDF: 1862979.4/45

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.345+/-0.000 χ^2/NDF:17651851478.5/5

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.635+/-0.000 χ^2/NDF:10602516597.7/4

Left: 0.491+/-0.000 χ^2/NDF: 29985869985.9/10

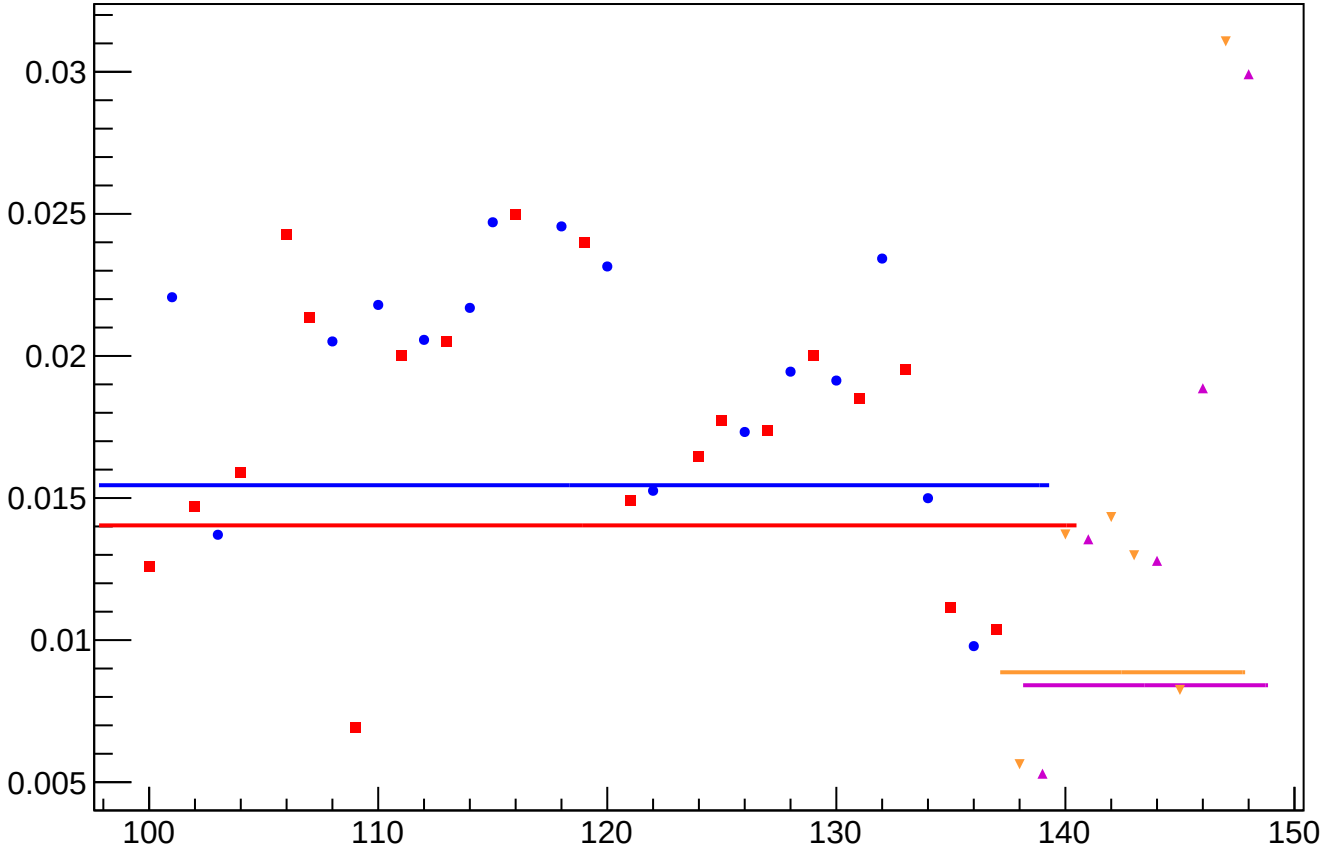
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.419+/-0.000 χ^2/NDF:26743800920.9/20

Out: 0.240+/-0.000 χ^2/NDF:36507420314.8/24

All: 0.327+/-0.000 χ^2/NDF: 64348039501.7/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1703024.6/5

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.008+/-0.000 χ^2/NDF:2282798.4/4

Left: 0.009+/-0.000 χ^2/NDF: 3994373.2/10

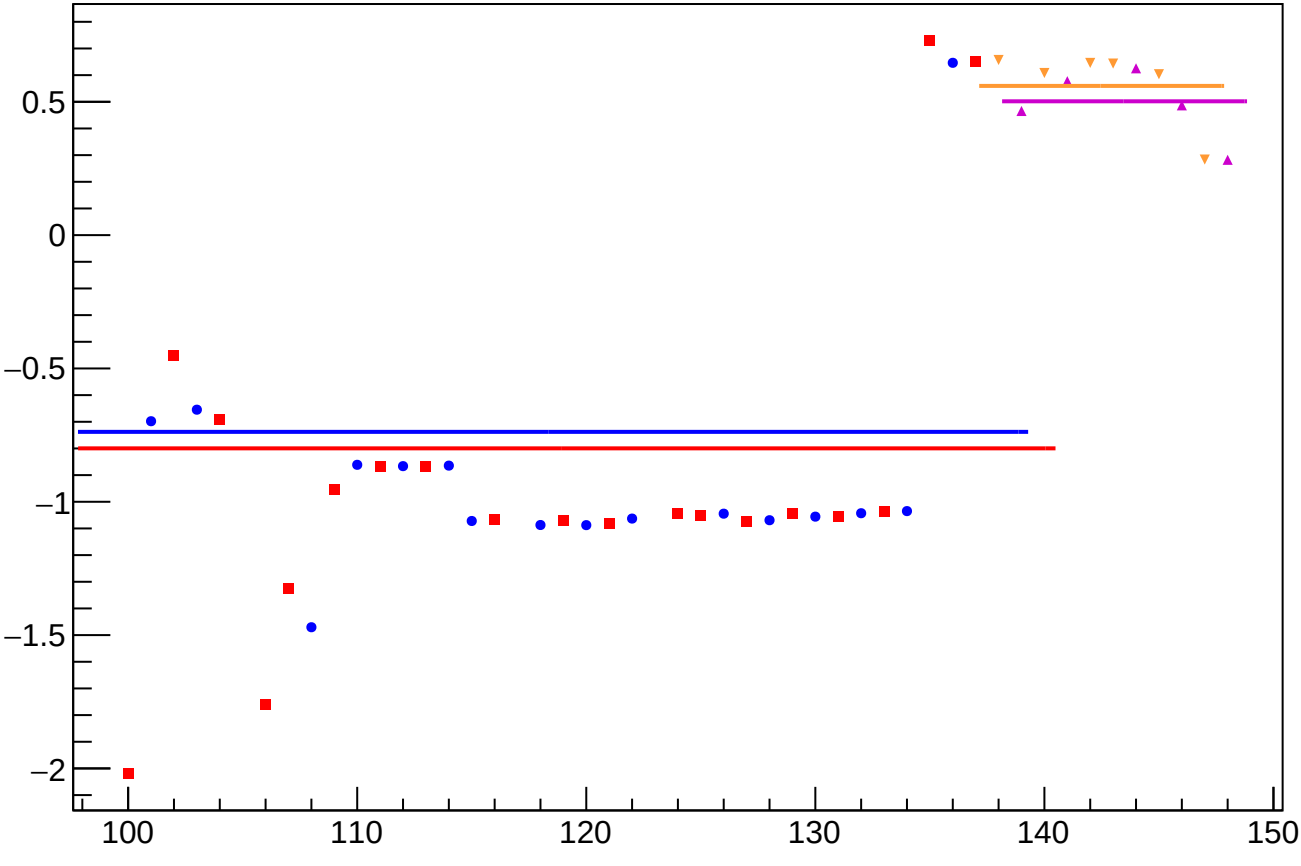
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:5125324.4/20

Out: 0.011+/-0.000 χ^2/NDF:4311380.3/24

All: 0.011+/-0.000 χ^2/NDF: 9436766.2/45

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.560+/-0.000 χ^2/NDF:72013000.2/5

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.502+/-0.000 χ^2/NDF:55079600.4/4

Left: 0.532+/-0.000 χ^2/NDF: 133032378.9/10

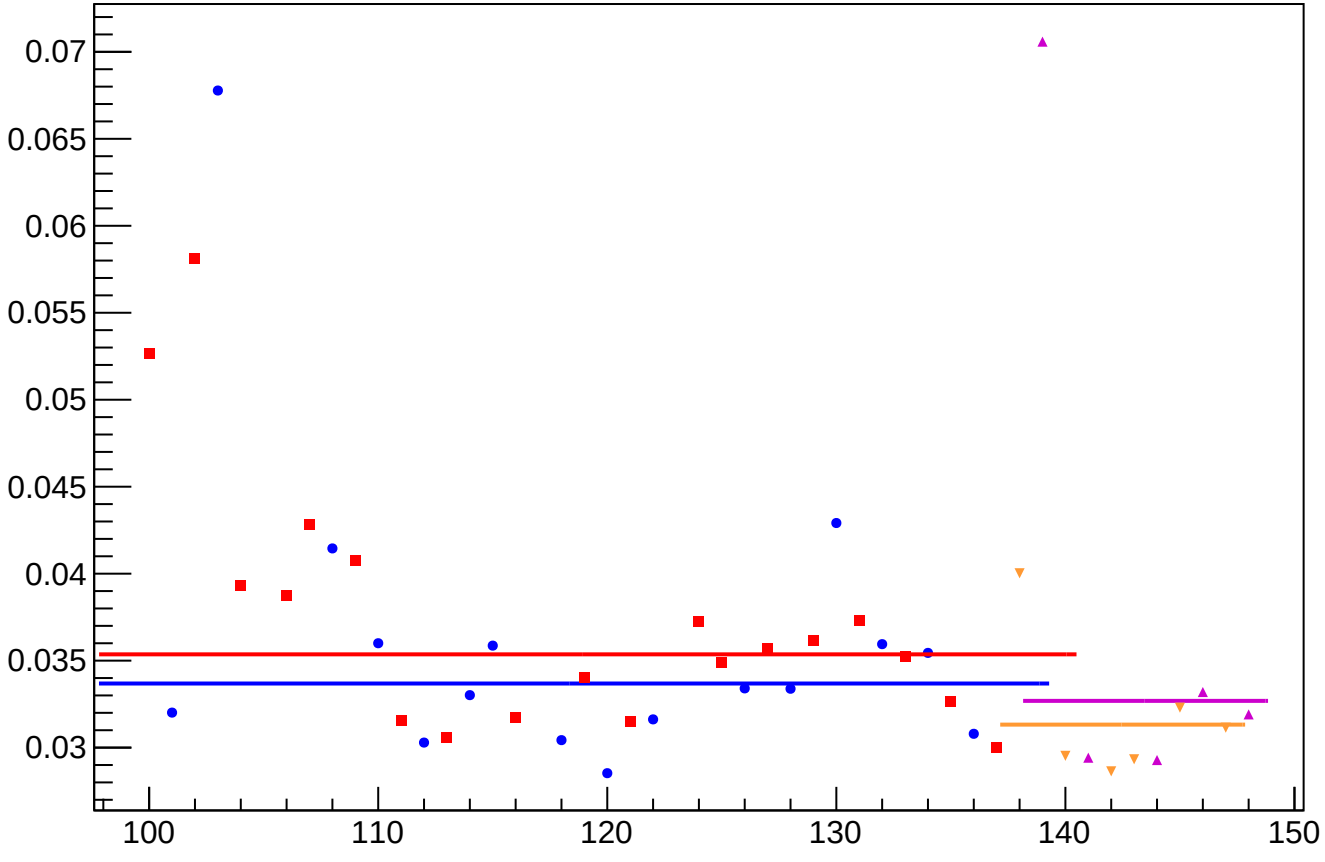
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.267+/-0.000 χ^2/NDF:5368397355.0/20

Out: -0.229+/-0.000 χ^2/NDF:5964952723.1/24

All: -0.248+/-0.000 χ^2/NDF: 11339748233.4/

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:79065.0/5

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:506574.5/4

Left: 0.032+/-0.000 χ^2/NDF: 592274.6/10

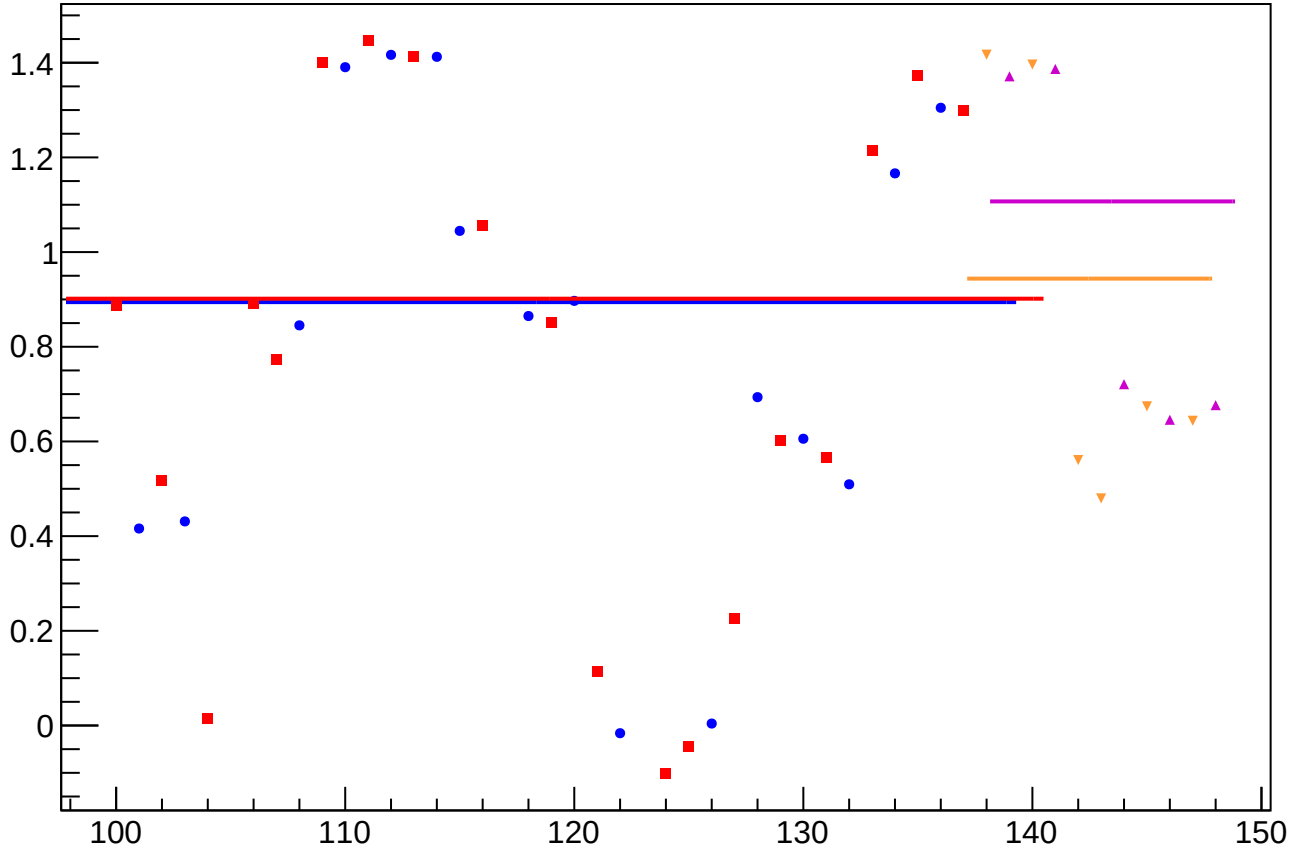
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:931002.0/20

Out: 0.034+/-0.000 χ^2/NDF:446250.6/24

All: 0.033+/-0.000 χ^2/NDF: 1378414.9/45

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.944+/-0.000 χ^2/NDF:9424028585.0/5

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.107+/-0.000 χ^2/NDF:5322588518.6/4

Left: 1.019+/-0.000 χ^2/NDF: 15434823765.3/10

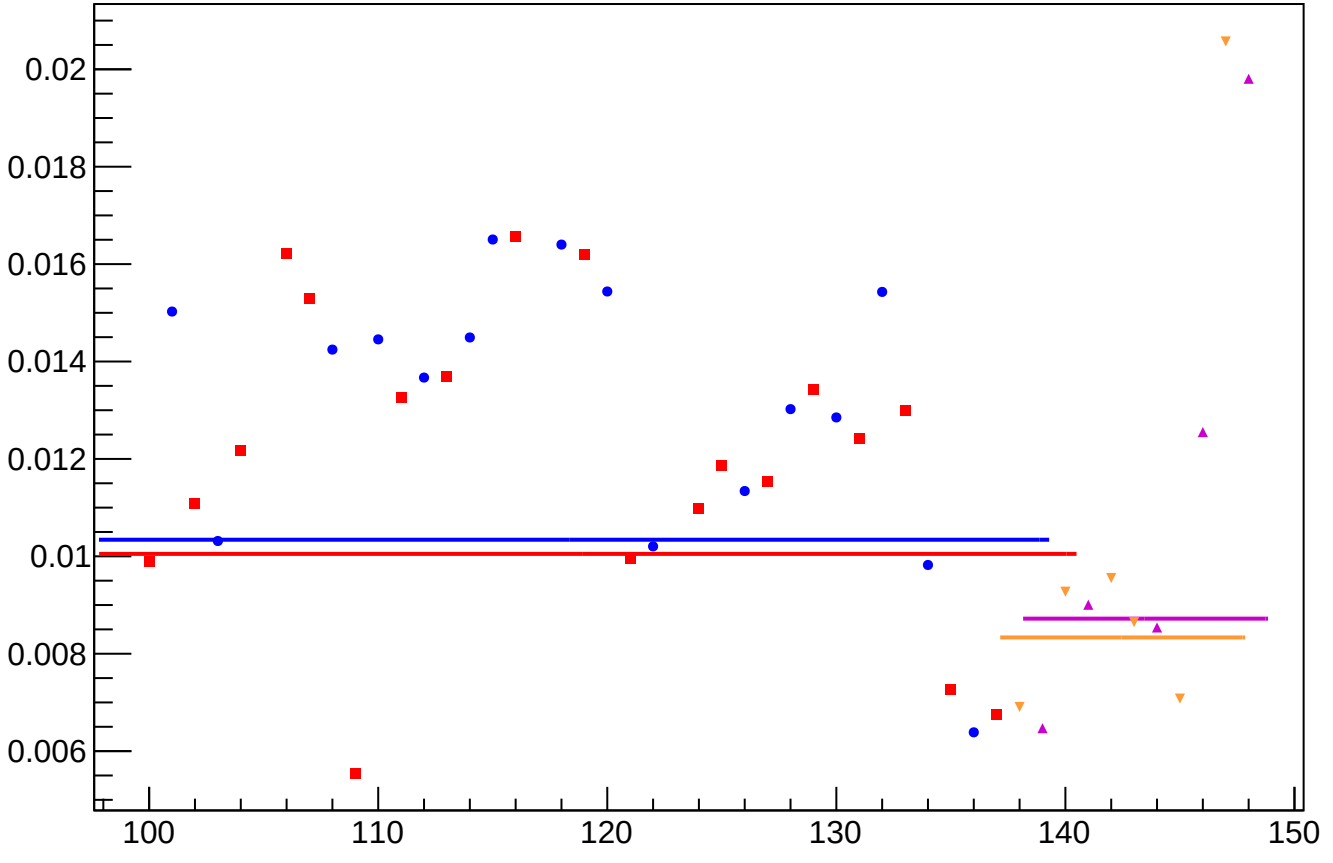
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 0.993+/-0.000 χ^2/NDF:19237535362.1/20

Out: 0.922+/-0.000 χ^2/NDF:27369471946.0/24

All: 0.955+/-0.000 χ^2/NDF: 46879582744.5/4

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:708920.0/5

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:829618.2/4

Left: 0.009+/-0.000 χ^2/NDF: 1546262.4/10

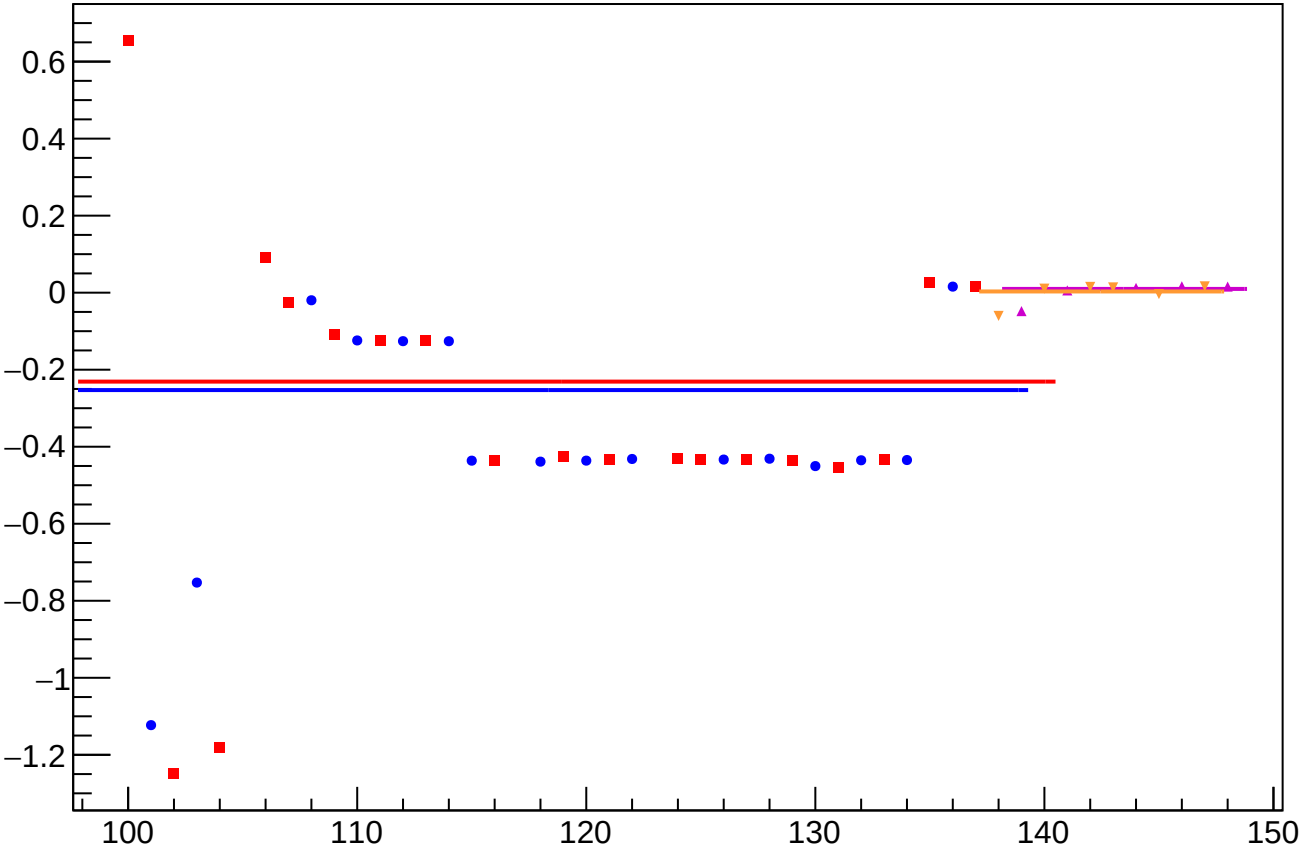
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2315282.4/20

Out: 0.009+/-0.000 χ^2/NDF:2217332.1/24

All: 0.009+/-0.000 χ^2/NDF: 4547794.0/45

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:18204672.5/5

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.010+/-0.000 χ^2/NDF:4594502.3/4

Left: 0.006+/-0.000 χ^2/NDF: 23563187.4/10

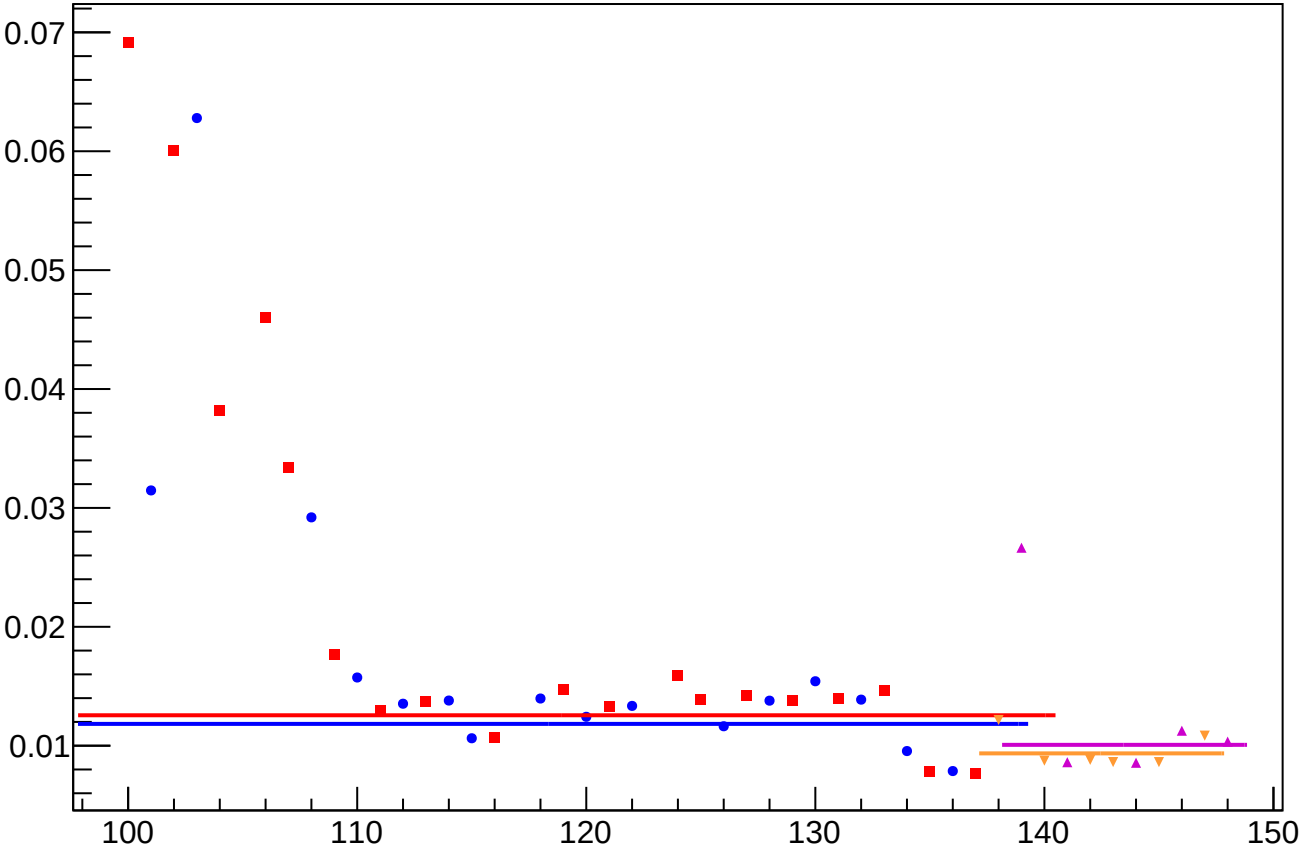
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.128+/-0.000 χ^2/NDF:3192020377.3/20

Out: -0.102+/-0.000 χ^2/NDF:2784901314.0/24

All: -0.115+/-0.000 χ^2/NDF: 6000791924.0/4

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:111492.2/5

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:743527.3/4

Left: 0.010+/-0.000 χ^2/NDF: 873134.8/10

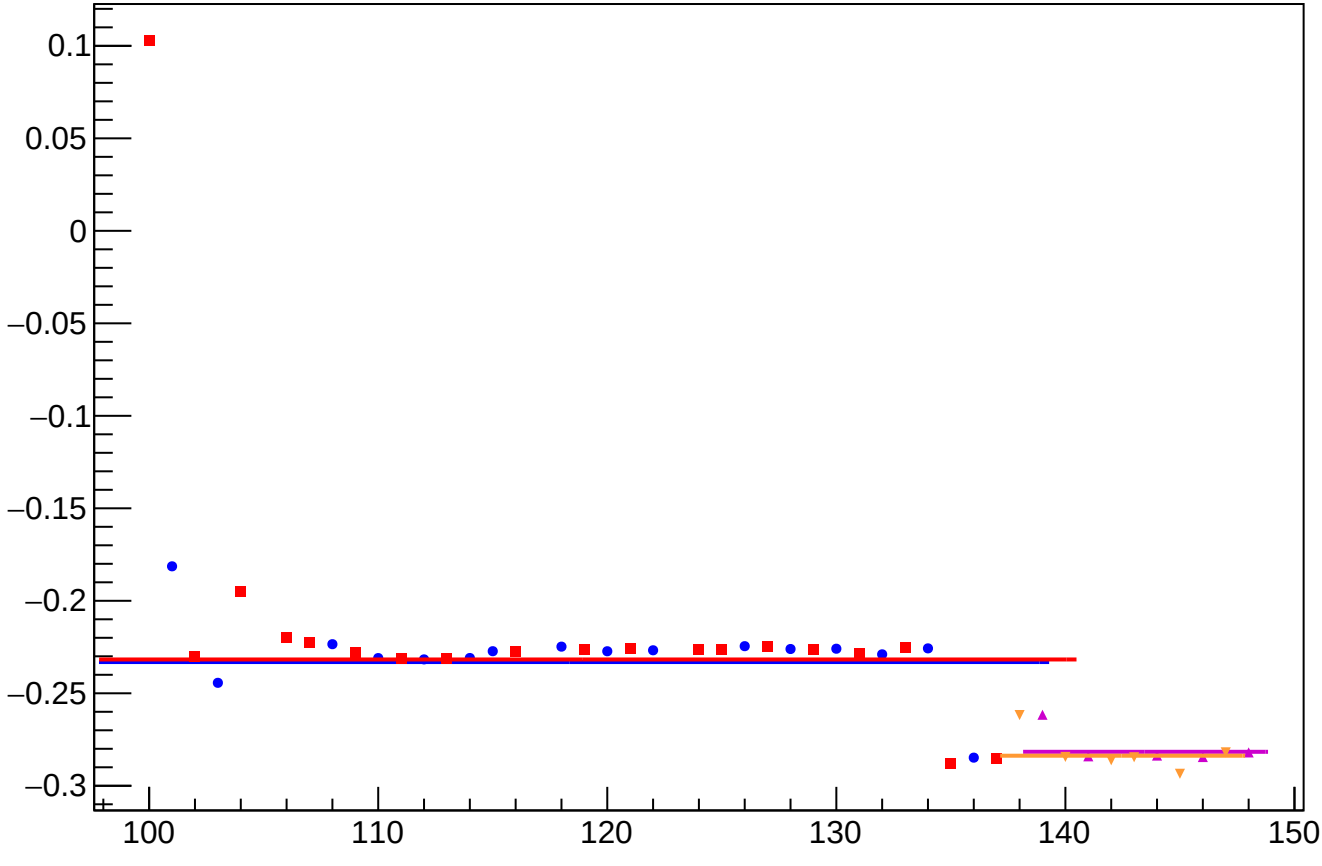
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2790743.7/20

Out: 0.011+/-0.000 χ^2/NDF:2688365.0/24

All: 0.011+/-0.000 χ^2/NDF: 5481976.2/45

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:14451958.6/5

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:5939158.6/4

Left: -0.283+/-0.000 χ^2/NDF: 20746625.5/10

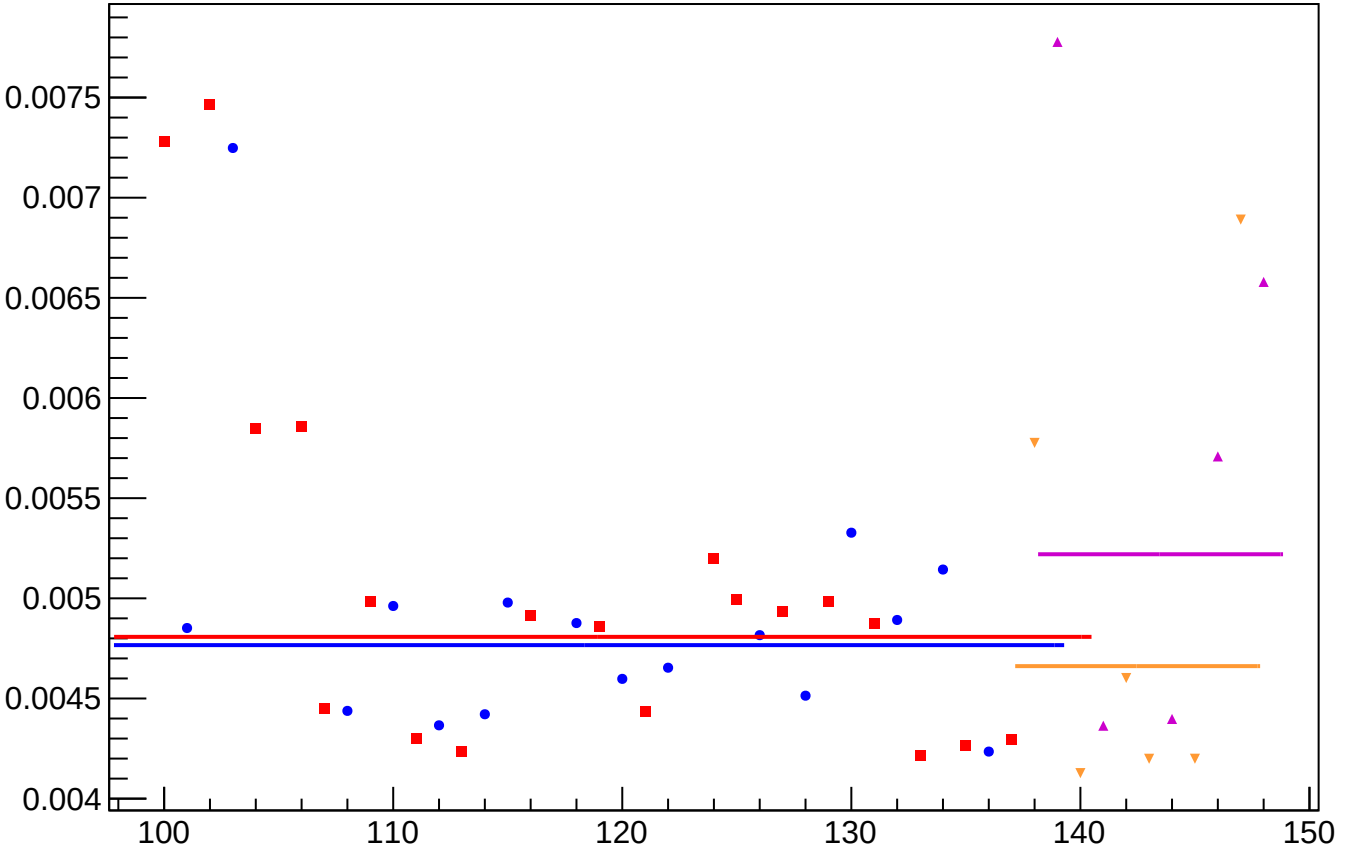
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.249+/-0.000 χ^2/NDF:426849845.6/20

Out: -0.252+/-0.000 χ^2/NDF:605686719.3/24

All: -0.251+/-0.000 χ^2/NDF: 1034074676.4/4

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:283549.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:372454.8/4

Left: 0.005+/-0.000 χ^2/NDF: 705751.4/10

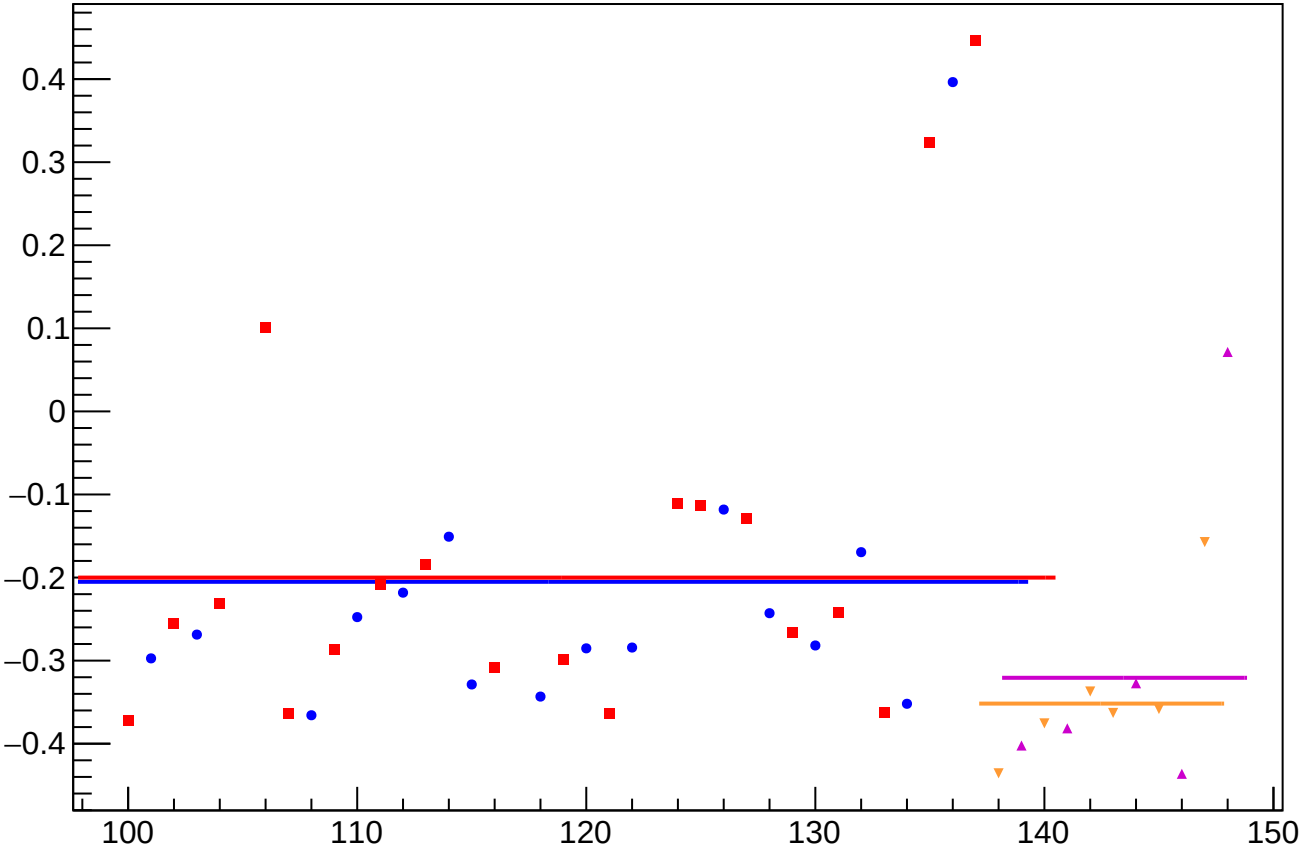
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:602993.4/20

Out: 0.005+/-0.000 χ^2/NDF:582085.2/24

All: 0.005+/-0.000 χ^2/NDF: 1197433.7/45

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.352+/-0.000 χ^2/NDF:919229074.2/5

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.321+/-0.000 χ^2/NDF:3134980921.0/4

Left: -0.337+/-0.000 χ^2/NDF: 4121500770.9/10

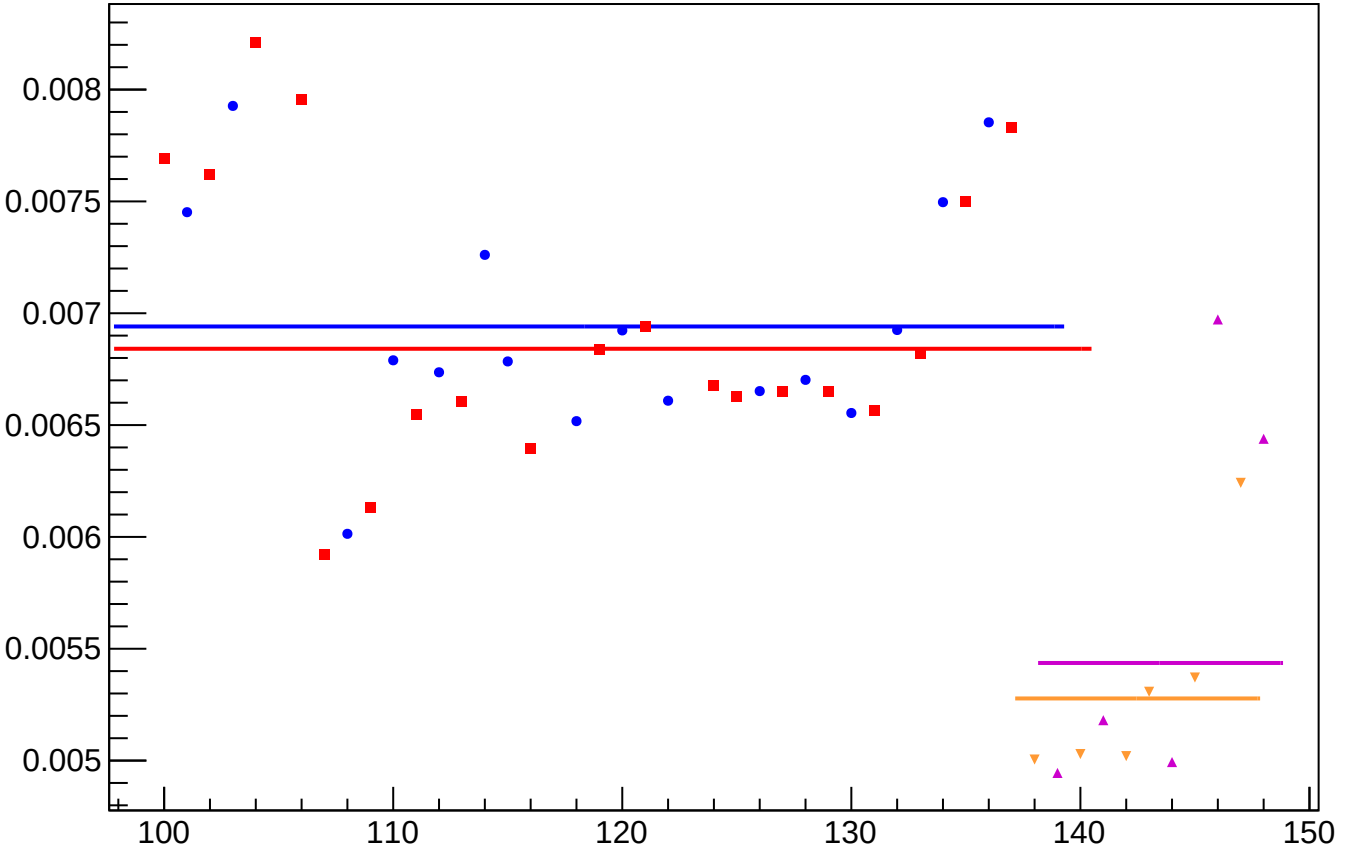
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.260+/-0.000 χ^2/NDF:10246833276.4/20

Out: -0.275+/-0.000 χ^2/NDF:7912861242.9/24

All: -0.268+/-0.000 χ^2/NDF: 18191564878.0/

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:44694.2/5

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:137756.5/4

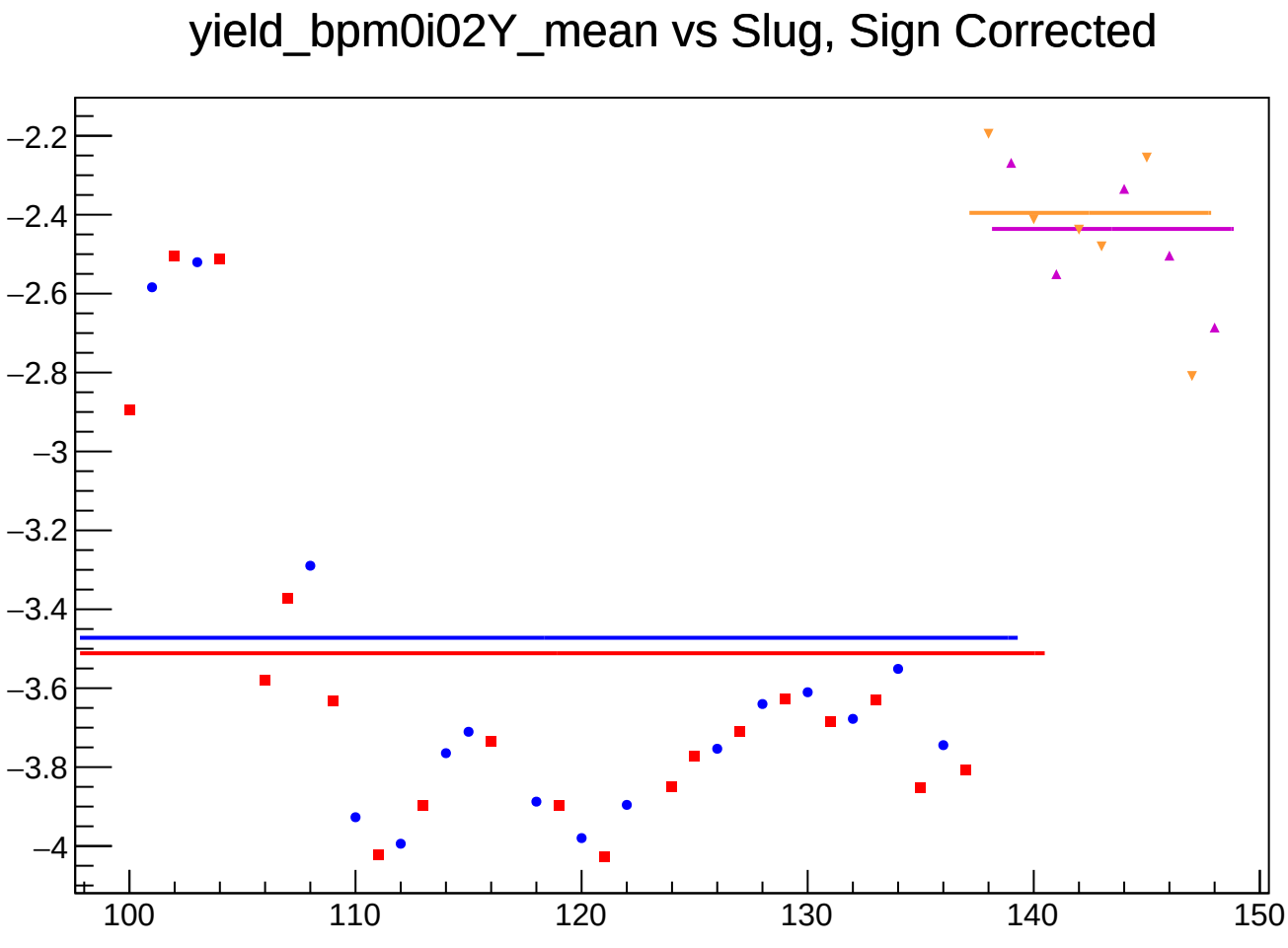
Left: 0.005+/-0.000 χ^2/NDF: 185961.9/10

Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

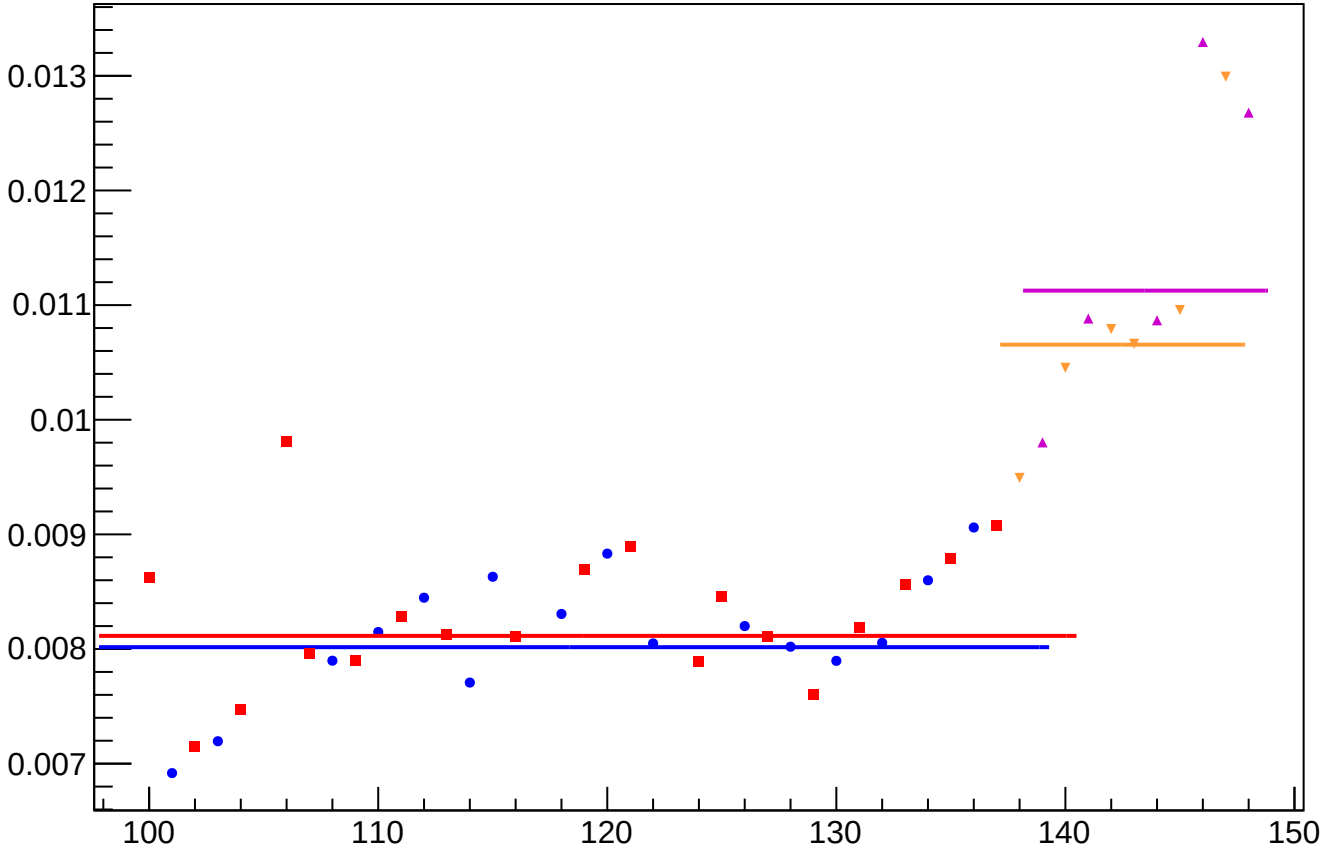
In: 0.006+/-0.000 χ^2/NDF:535693.4/20

Out: 0.006+/-0.000 χ^2/NDF:515052.9/24

All: 0.006+/-0.000 χ^2/NDF: 1057841.4/45


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.395+/-0.000 χ²/NDF:1185031782.1/5
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.436+/-0.000 χ²/NDF:708957569.4/4
Left: -2.414+/-0.000 χ²/NDF: 1922209661.6/10
Right: -3.492+/-0.000 χ²/NDF: 59392057159.0/34
In: -3.238+/-0.000 χ²/NDF:56648567121.8/20
Out: -3.229+/-0.000 χ²/NDF:64932489110.8/24
All: -3.234+/-0.000 χ²/NDF: 121587054453.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:67723.4/5

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.011+/-0.000 χ^2/NDF:90136.0/4

Left: 0.011+/-0.000 χ^2/NDF: 165404.7/10

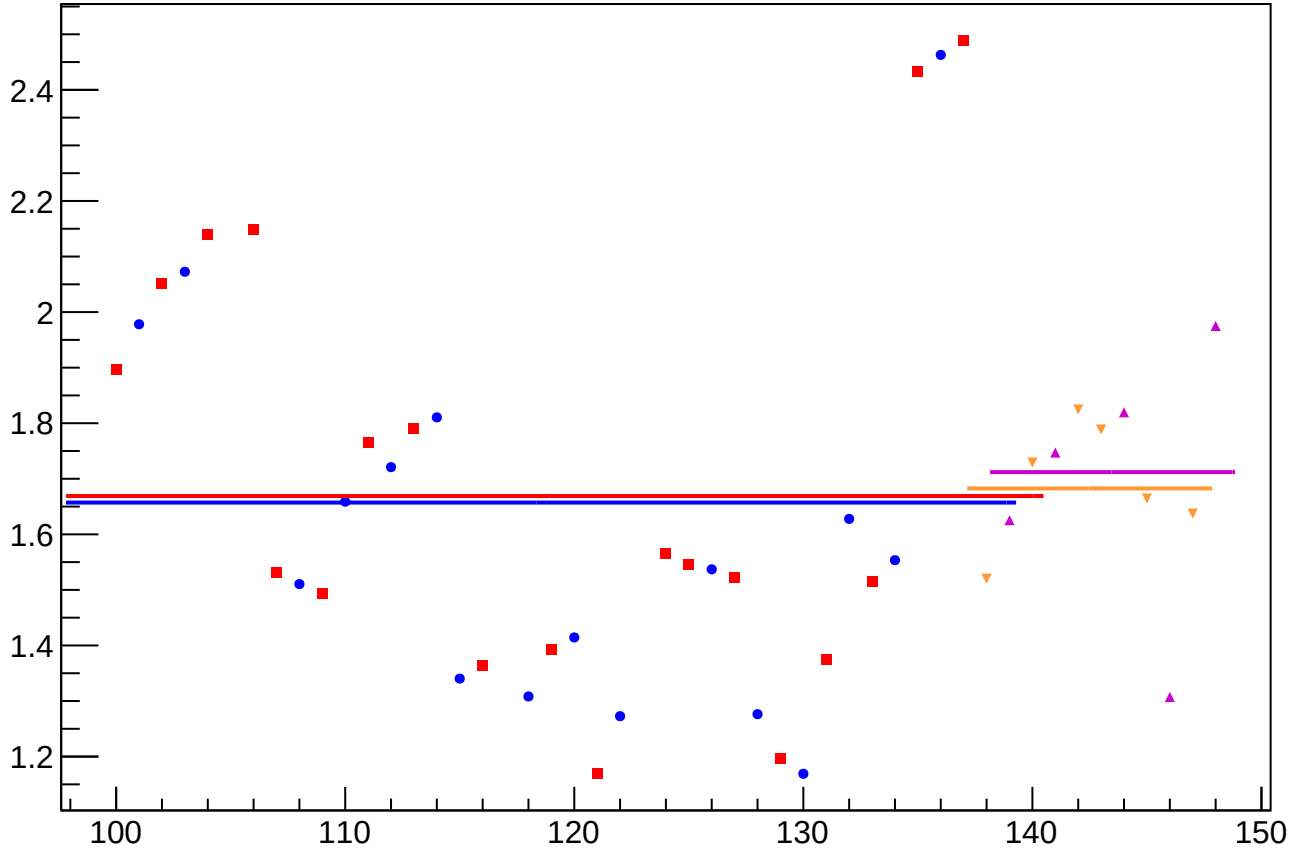
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:651201.8/20

Out: 0.009+/-0.000 χ^2/NDF:491402.3/24

All: 0.009+/-0.000 χ^2/NDF: 1142820.1/45

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.683+/-0.000 χ^2/NDF:319631322.0/5

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.712+/-0.000 χ^2/NDF:1080565575.3/4

Left: 1.697+/-0.000 χ^2/NDF: 1413329051.8/10

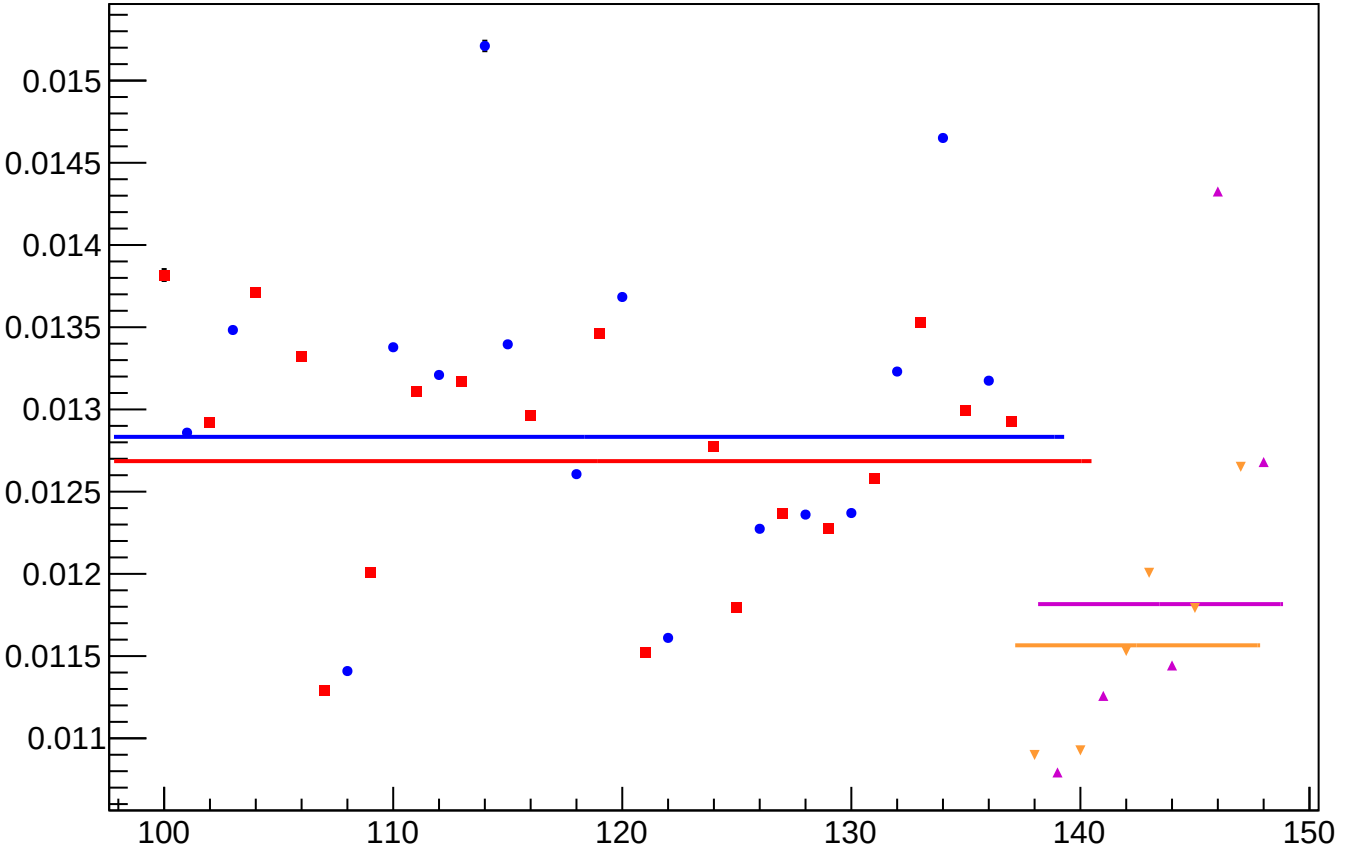
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.679+/-0.000 χ^2/NDF:7798468716.9/20

Out: 1.675+/-0.000 χ^2/NDF:6680697603.5/24

All: 1.677+/-0.000 χ^2/NDF: 14479989035.3/4

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:25045.0/5

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:75831.5/4

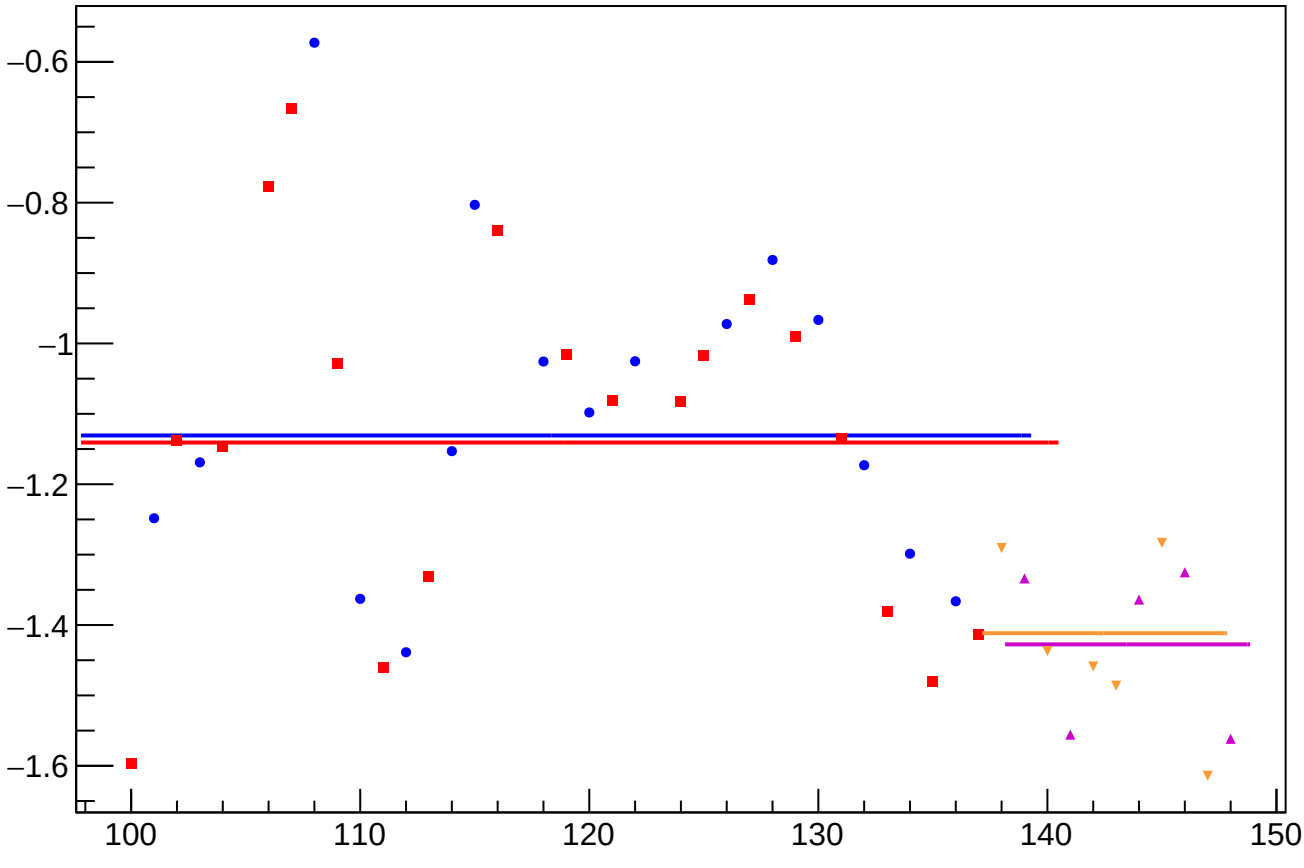
Left: 0.012+/-0.000 χ^2/NDF: 102782.5/10

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:163980.9/20

Out: 0.012+/-0.000 χ^2/NDF:115159.4/24

All: 0.012+/-0.000 χ^2/NDF: 282188.8/45



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.412+/-0.000 χ^2/NDF:638057650.9/5

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.427+/-0.000 χ^2/NDF:514718456.2/4

Left: -1.419+/-0.000 χ^2/NDF: 1159027455.2/10

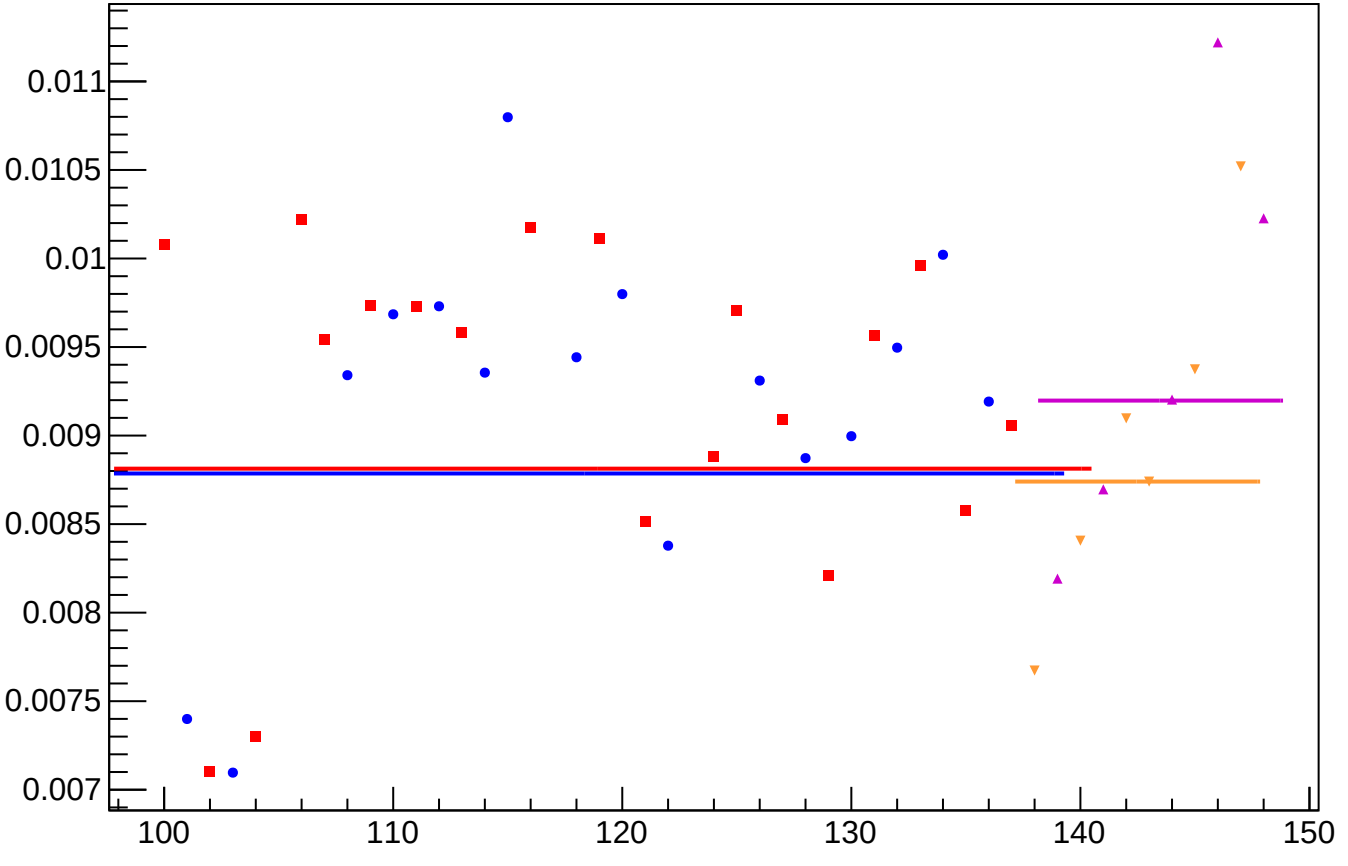
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.232+/-0.000 χ^2/NDF:6973407987.4/20

Out: -1.243+/-0.000 χ^2/NDF:6643899360.3/24

All: -1.237+/-0.000 χ^2/NDF: 13624854886.7/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:77218.8/5

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:89916.7/4

Left: 0.009+/-0.000 χ^2/NDF: 177502.9/10

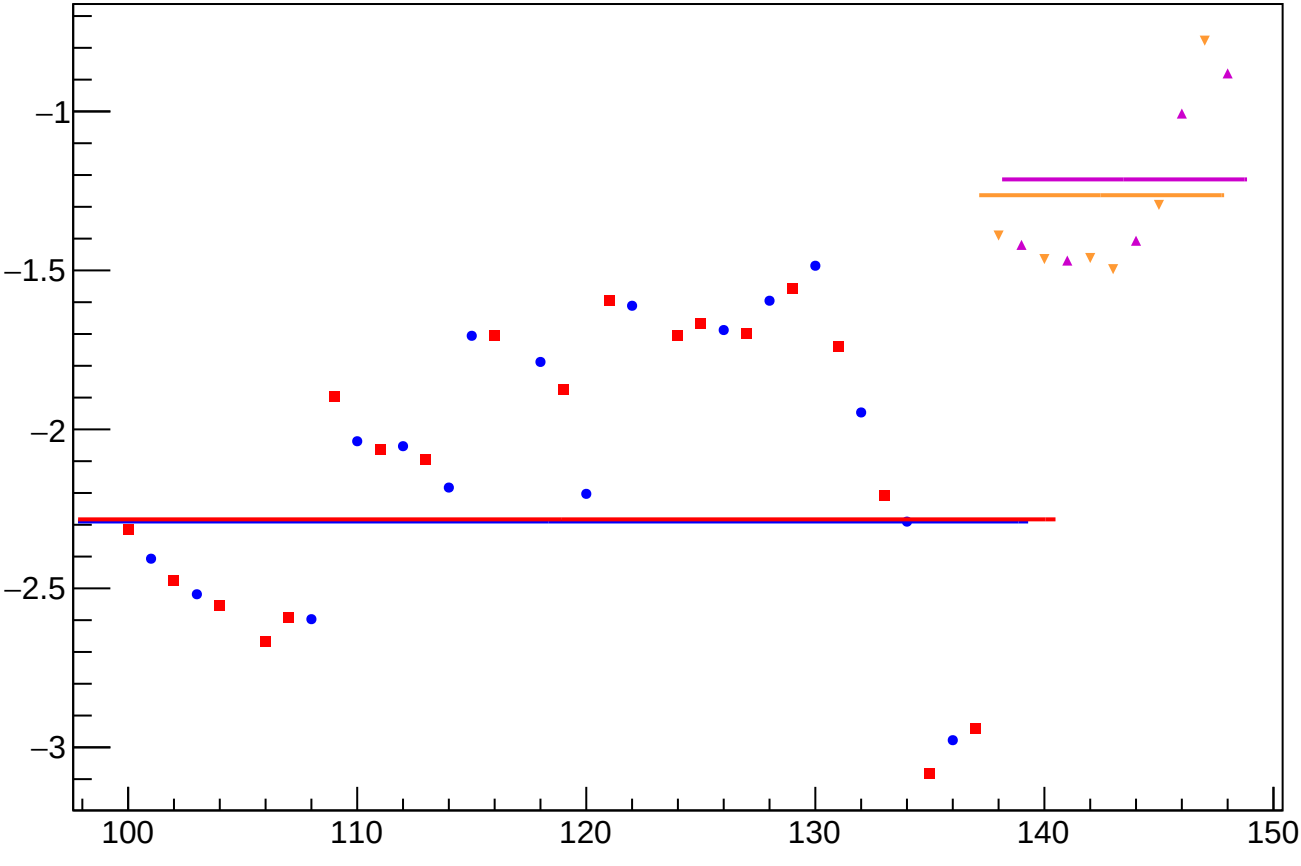
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:273663.2/20

Out: 0.009+/-0.000 χ^2/NDF:282018.4/24

All: 0.009+/-0.000 χ^2/NDF: 558429.8/45

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.264+/-0.000 χ^2/NDF:4216441781.2/5

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -1.214+/-0.000 χ^2/NDF:3221502049.6/4

Left: -1.239+/-0.000 χ^2/NDF: 7502933724.1/10

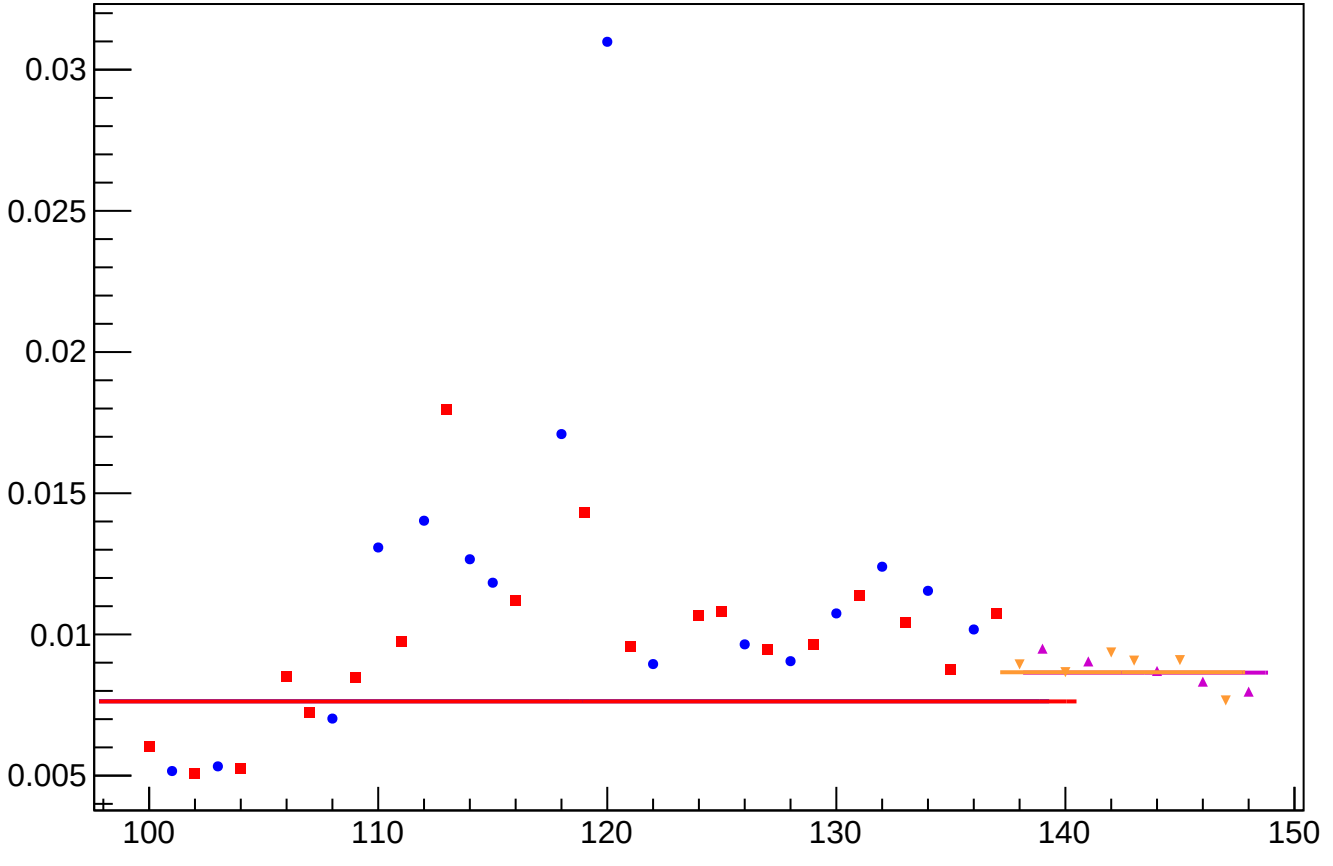
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.886+/-0.000 χ^2/NDF:56329416818.6/20

Out: -1.920+/-0.000 χ^2/NDF:56539866018.7/24

All: -1.903+/-0.000 χ^2/NDF: 112950006586.8

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:37386.6/5

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:28272.4/4

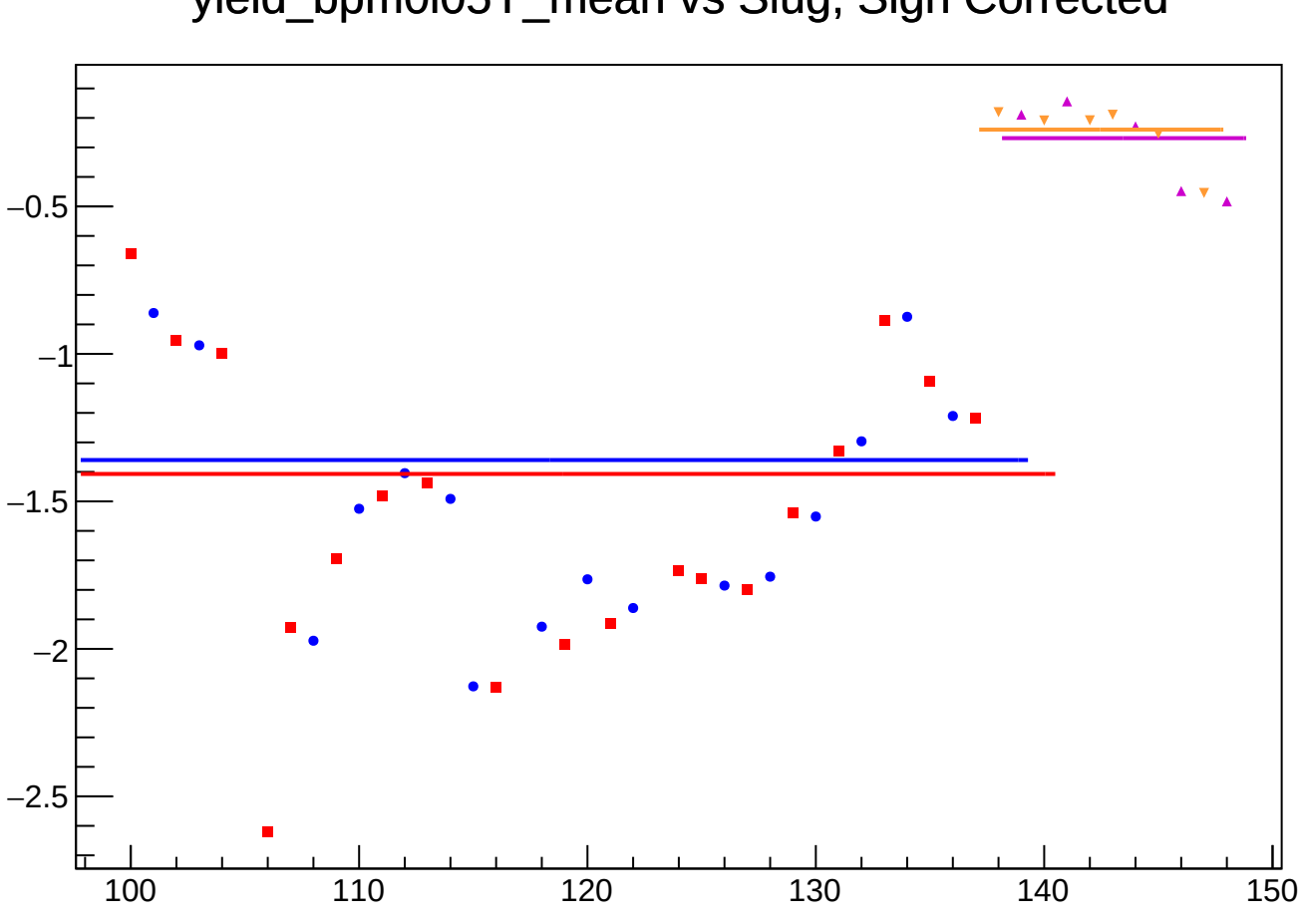
Left: 0.009+/-0.000 χ^2/NDF: 65669.1/10

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1806385.0/20

Out: 0.008+/-0.000 χ^2/NDF:1427616.0/24

All: 0.008+/-0.000 χ^2/NDF: 3234044.6/45



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.240+/-0.000 χ^2/NDF:1552102129.4/5

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.269+/-0.000 χ^2/NDF:2894175393.8/4

Left: -0.253+/-0.000 χ^2/NDF: 4528898405.7/10

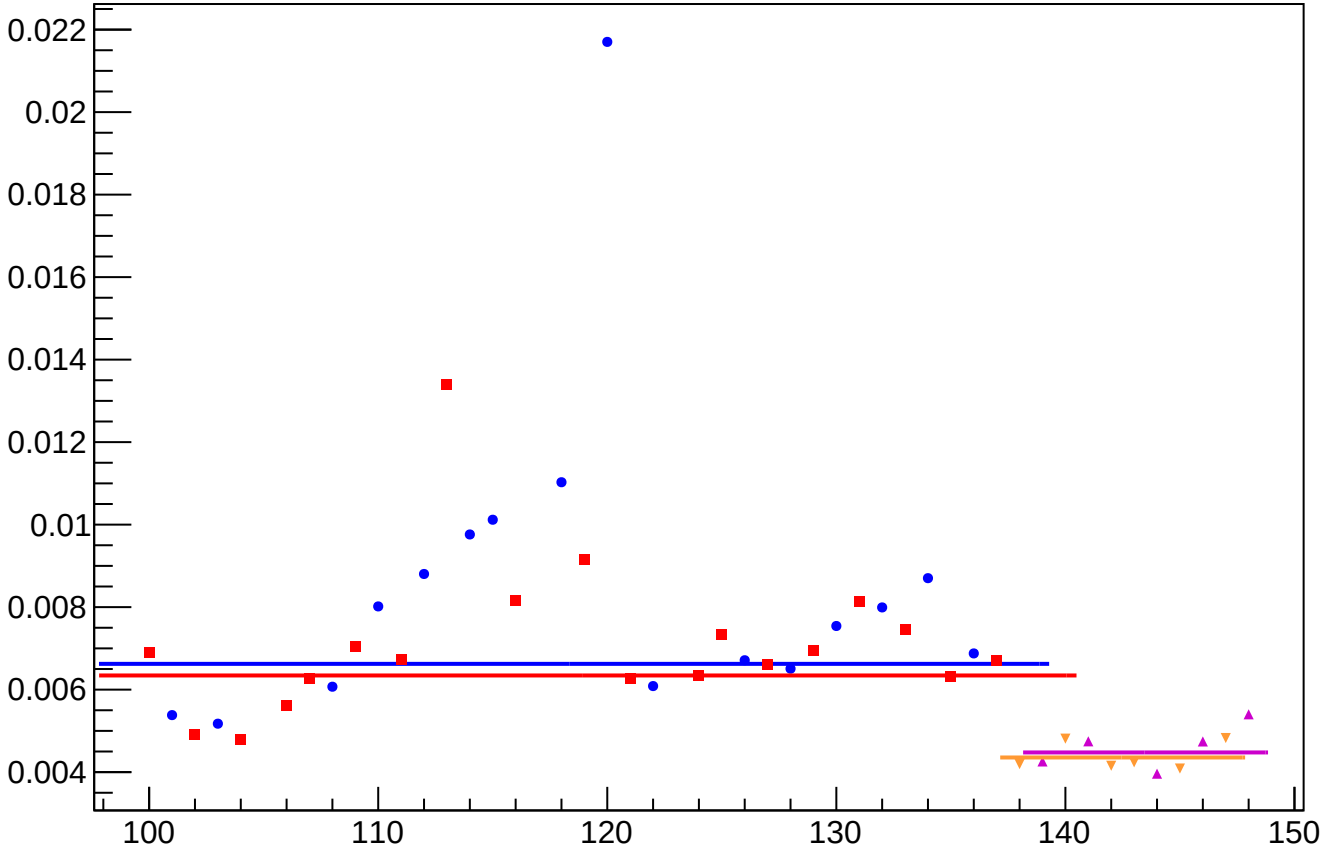
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.721+/-0.000 χ^2/NDF:116290609172.5/20

Out: -0.730+/-0.000 χ^2/NDF:151593067674.8/24

All: -0.726+/-0.000 χ^2/NDF: 267896009912.8

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:37116.5/5

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:77701.0/4

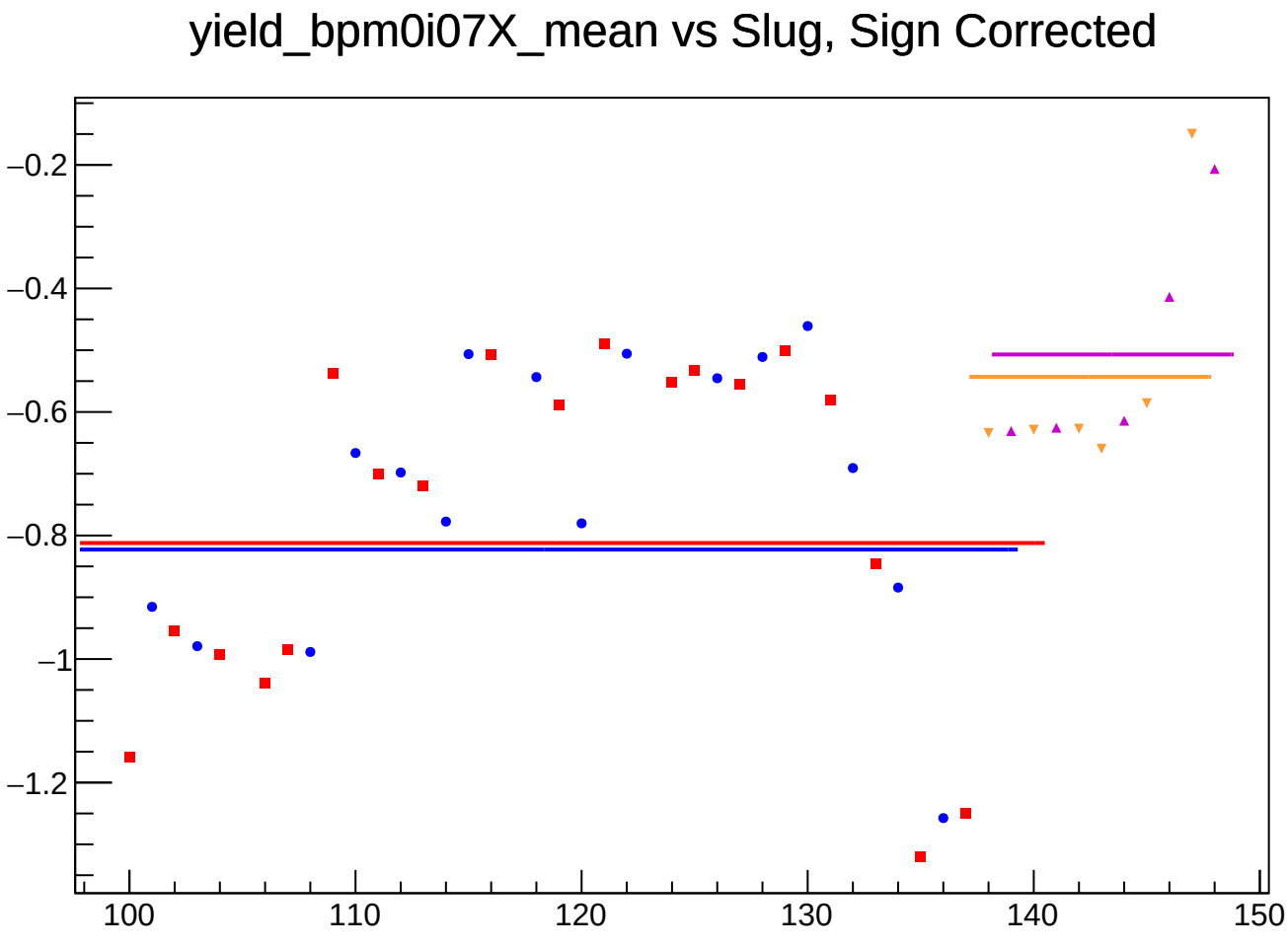
Left: 0.004+/-0.000 χ^2/NDF: 117760.5/10

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1483357.8/20

Out: 0.005+/-0.000 χ^2/NDF:1263706.6/24

All: 0.005+/-0.000 χ^2/NDF: 2757813.0/45



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.543+/-0.000 χ^2/NDF:3479569497.2/5

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.507+/-0.000 χ^2/NDF:2528295627.4/4

Left: -0.525+/-0.000 χ^2/NDF: 6073909765.2/10

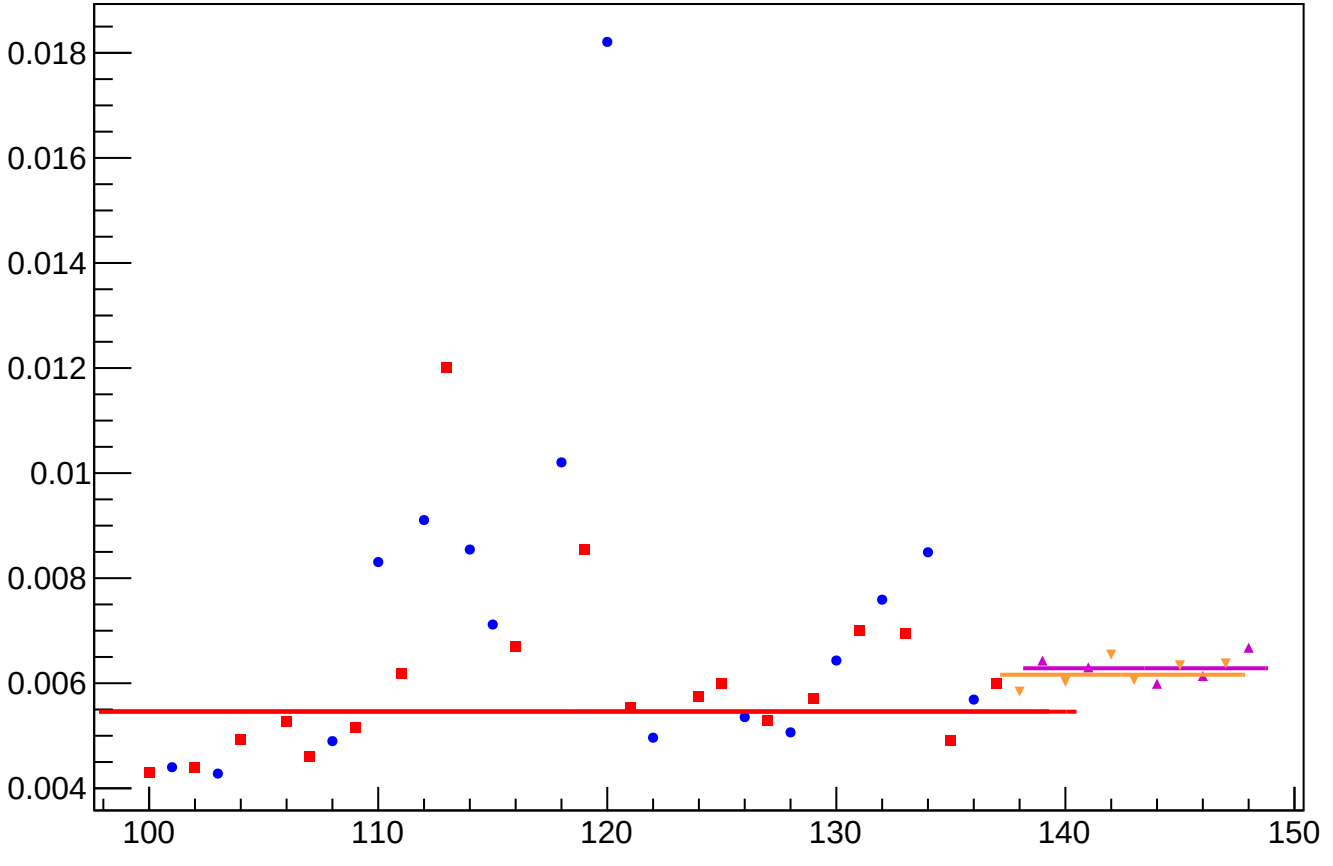
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.713+/-0.000 χ^2/NDF:21139876215.4/20

Out: -0.721+/-0.000 χ^2/NDF:23233469810.5/24

All: -0.717+/-0.000 χ^2/NDF: 44382862006.9/

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:10422.0/5

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:10749.8/4

Left: 0.006+/-0.000 χ^2/NDF: 22674.1/10

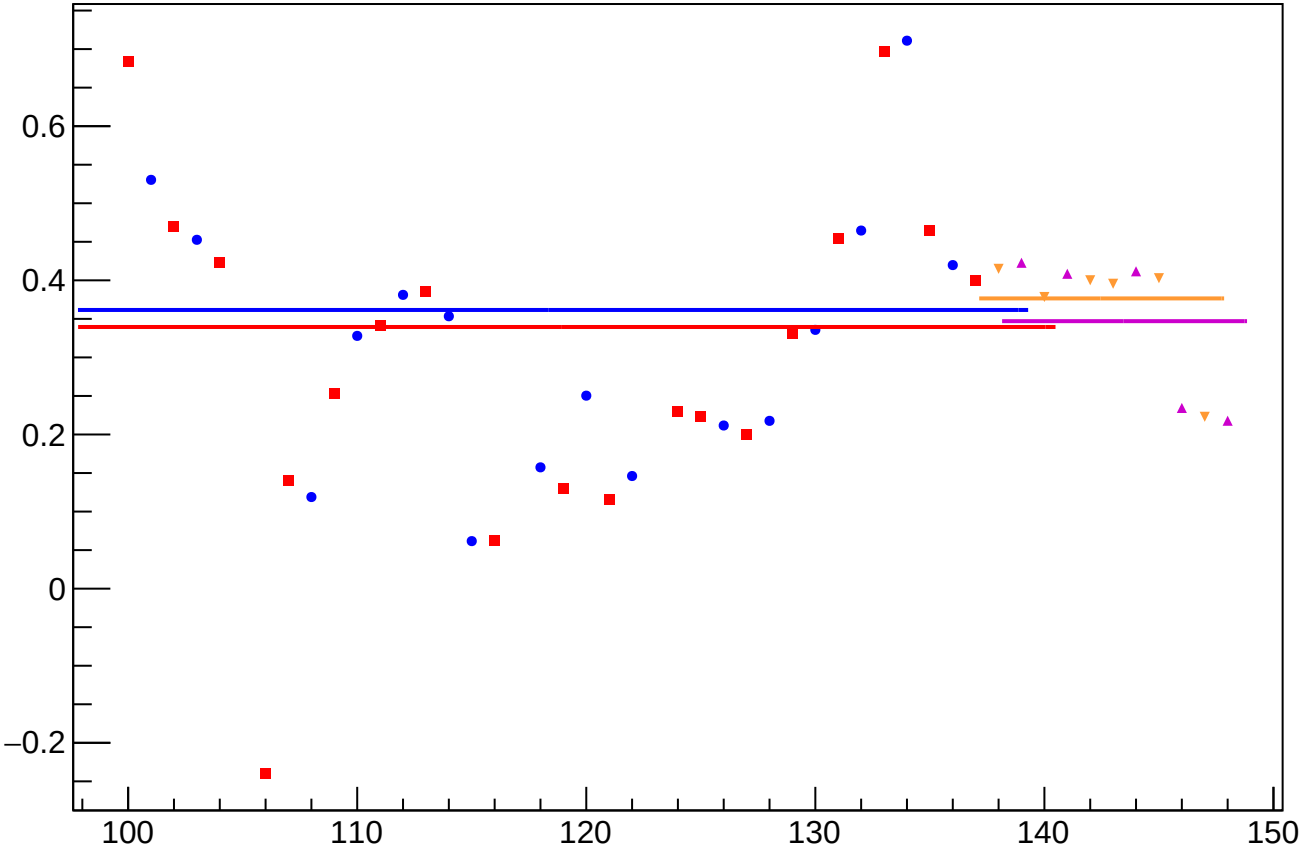
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1058601.5/20

Out: 0.006+/-0.000 χ^2/NDF:585730.3/24

All: 0.006+/-0.000 χ^2/NDF: 1645121.2/45

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.377+/-0.000 χ^2/NDF:787830769.5/5

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.347+/-0.000 χ^2/NDF:1553519982.7/4

Left: 0.362+/-0.000 χ^2/NDF: 2430390626.1/10

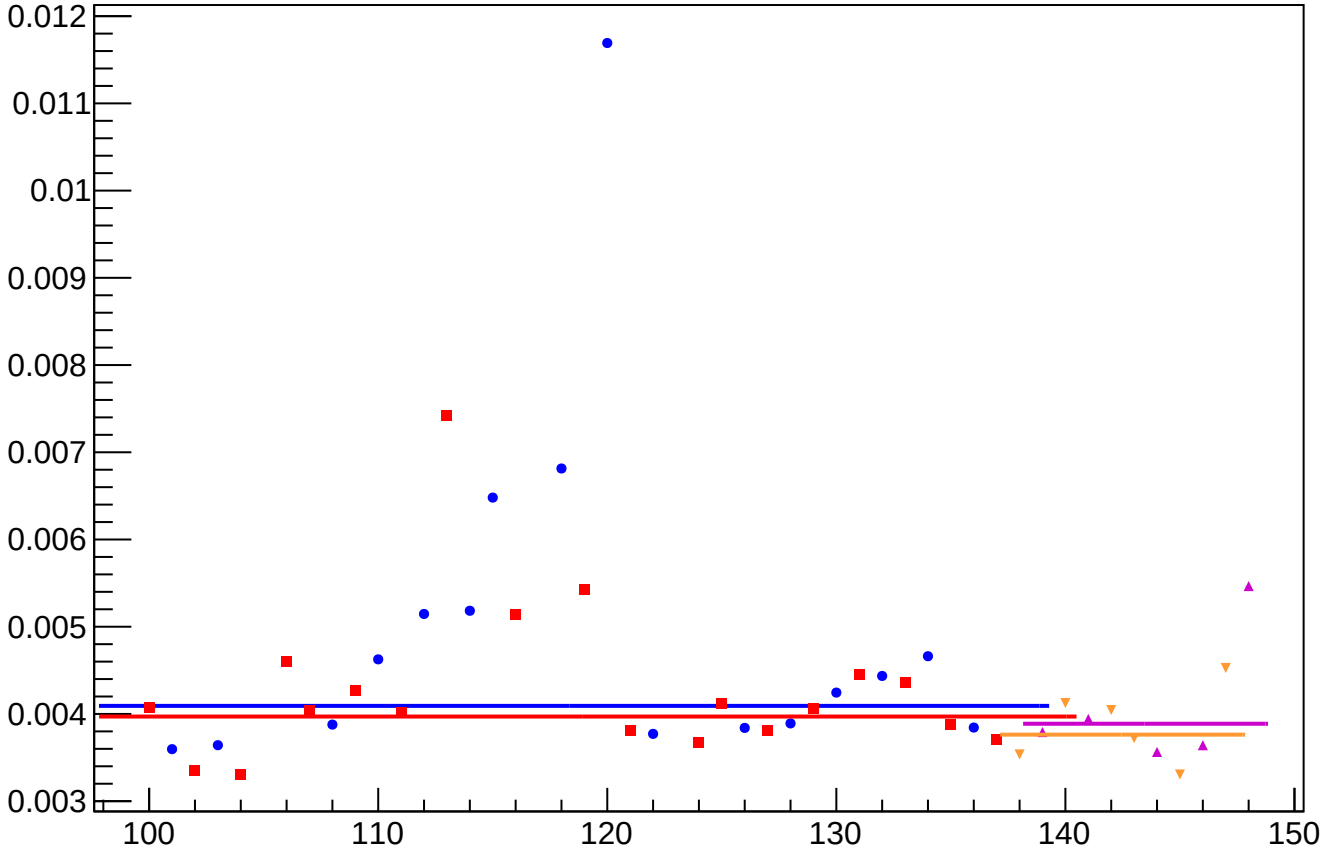
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.356+/-0.000 χ^2/NDF:10356443287.0/20

Out: 0.352+/-0.000 χ^2/NDF:13051863525.3/24

All: 0.354+/-0.000 χ^2/NDF: 23413638807.7/4

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:72070.4/5

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:116191.6/4

Left: 0.004+/-0.000 χ^2/NDF: 191454.5/10

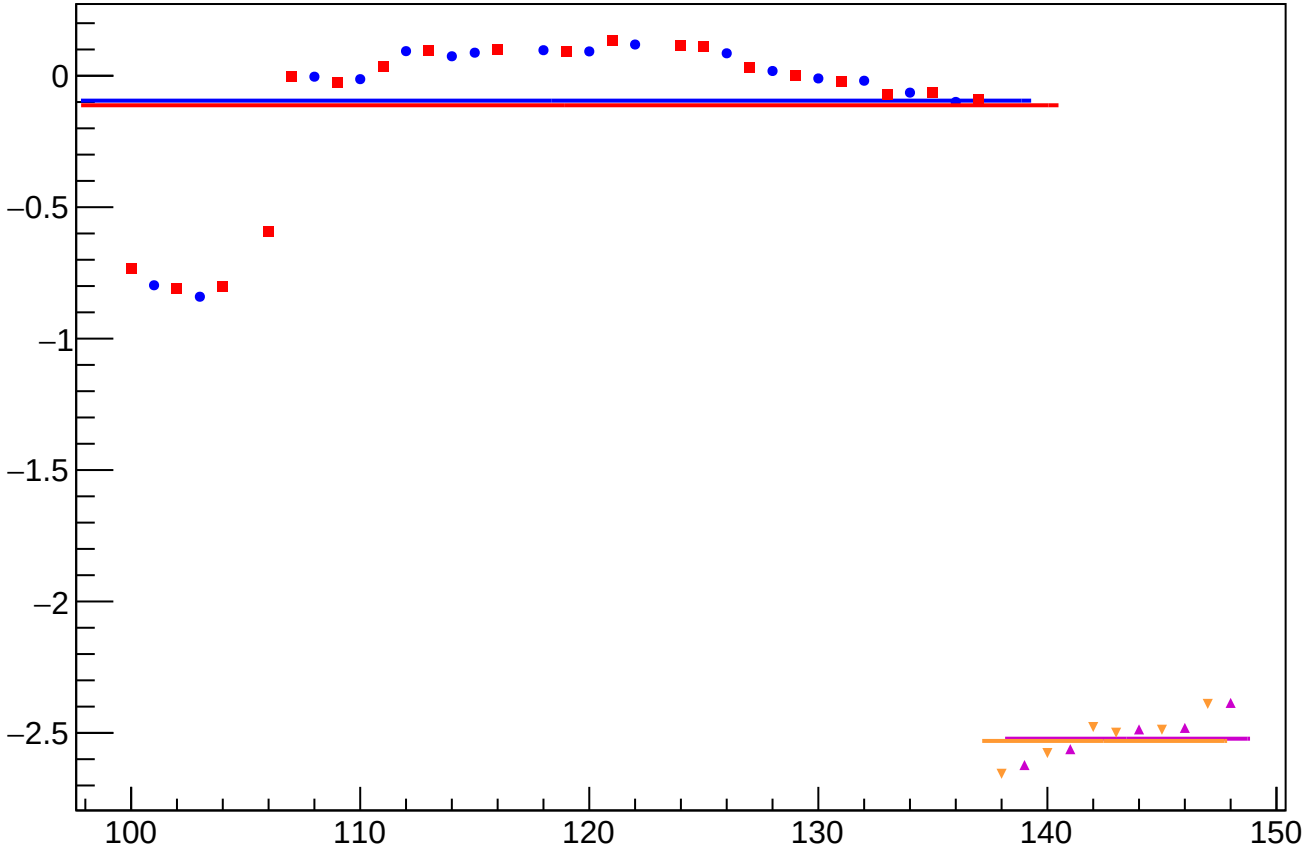
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:618657.7/20

Out: 0.004+/-0.000 χ^2/NDF:397832.4/24

All: 0.004+/-0.000 χ^2/NDF: 1025269.1/45

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.531+/-0.000 χ^2/NDF:145741097.0/5

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.522+/-0.000 χ^2/NDF:111105811.4/4

Left: -2.526+/-0.000 χ^2/NDF: 257589465.7/10

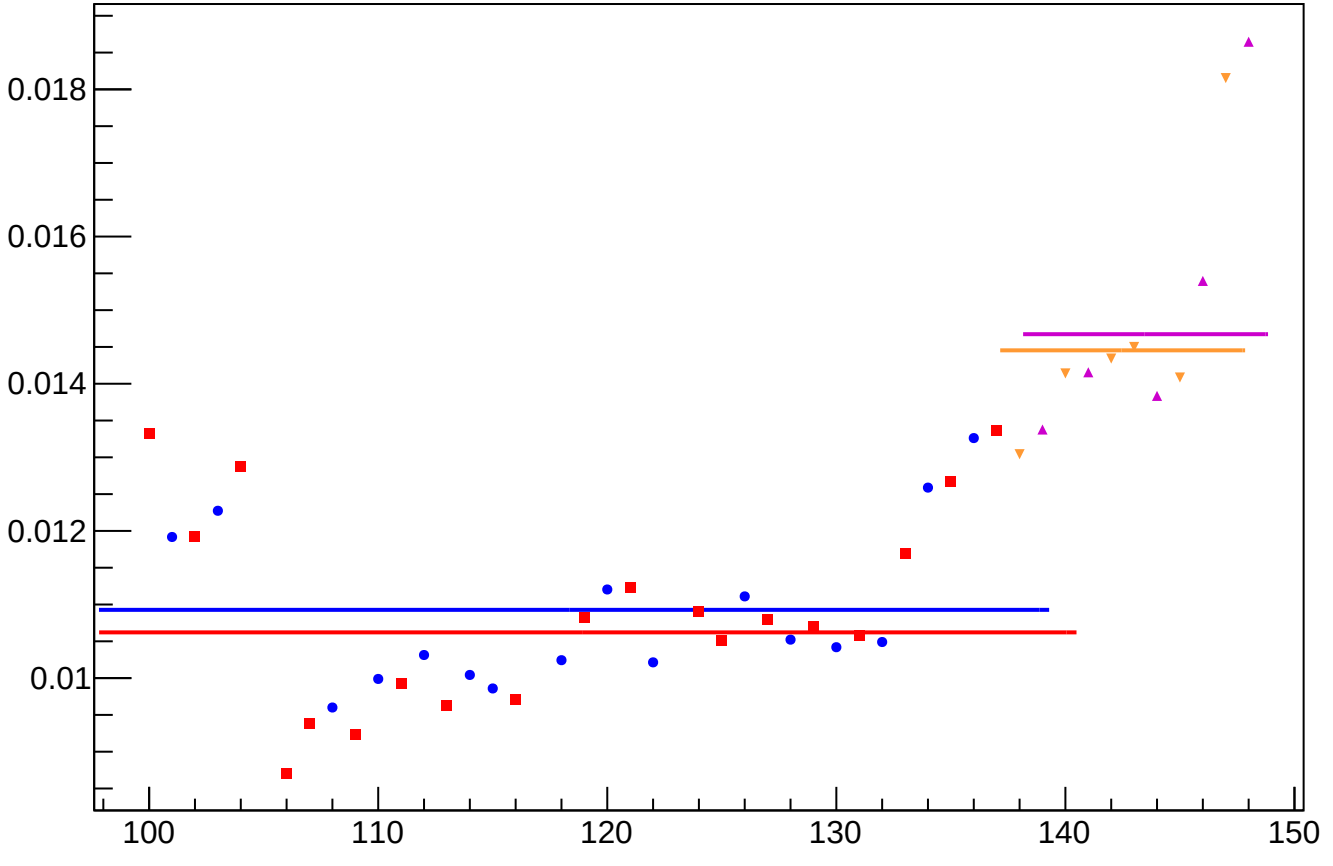
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.703+/-0.000 χ^2/NDF:93619062451.8/20

Out: -0.705+/-0.000 χ^2/NDF:99936245447.3/24

All: -0.704+/-0.000 χ^2/NDF: 193555483578.3

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:88156.2/5

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.015+/-0.000 χ^2/NDF:104678.7/4

Left: 0.015+/-0.000 χ^2/NDF: 193824.6/10

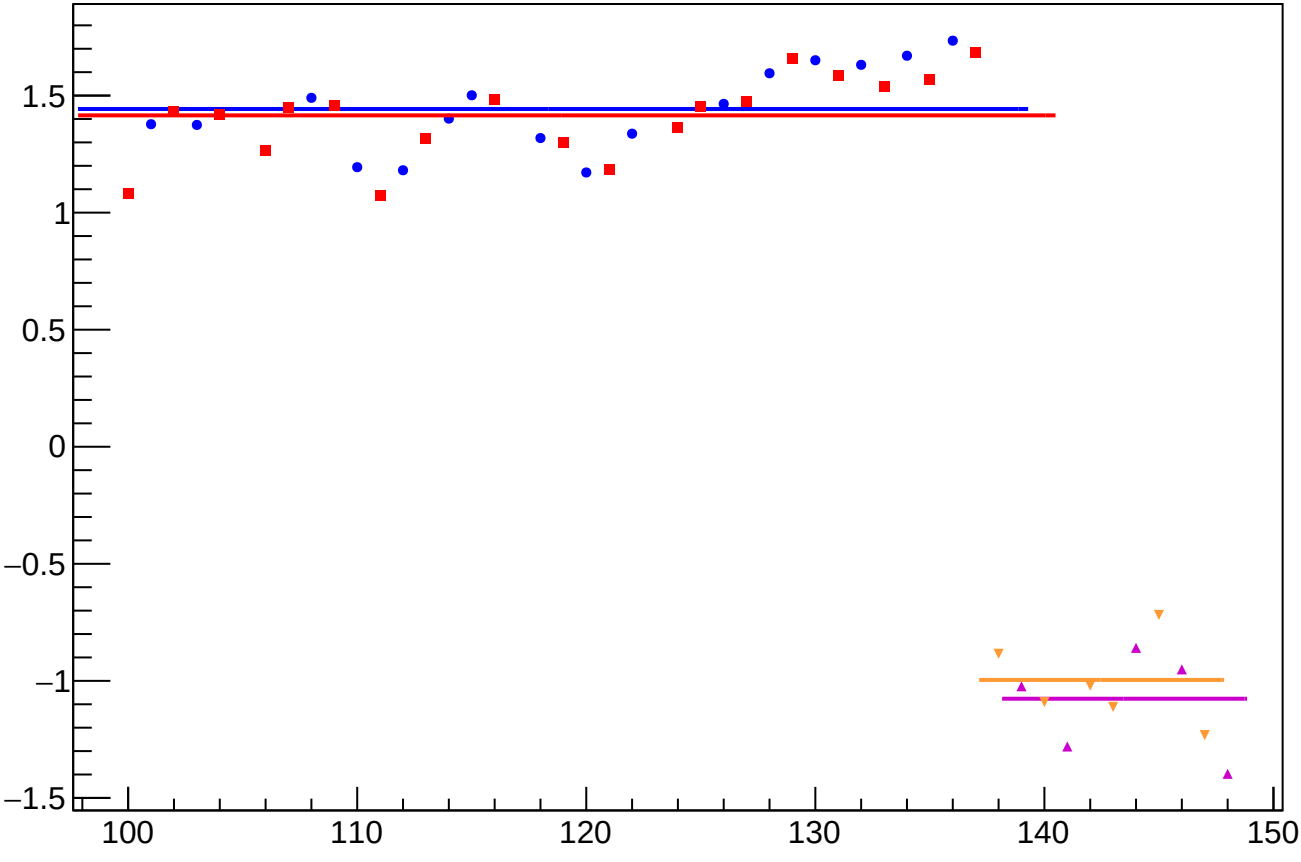
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.012+/-0.000 χ^2/NDF:660343.3/20

Out: 0.012+/-0.000 χ^2/NDF:748836.4/24

All: 0.012+/-0.000 χ^2/NDF: 1416916.0/45

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.996+/-0.000 χ^2/NDF:1147968406.9/5

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.076+/-0.000 χ^2/NDF:1377868347.1/4

Left: -1.035+/-0.000 χ^2/NDF: 2649486715.8/10

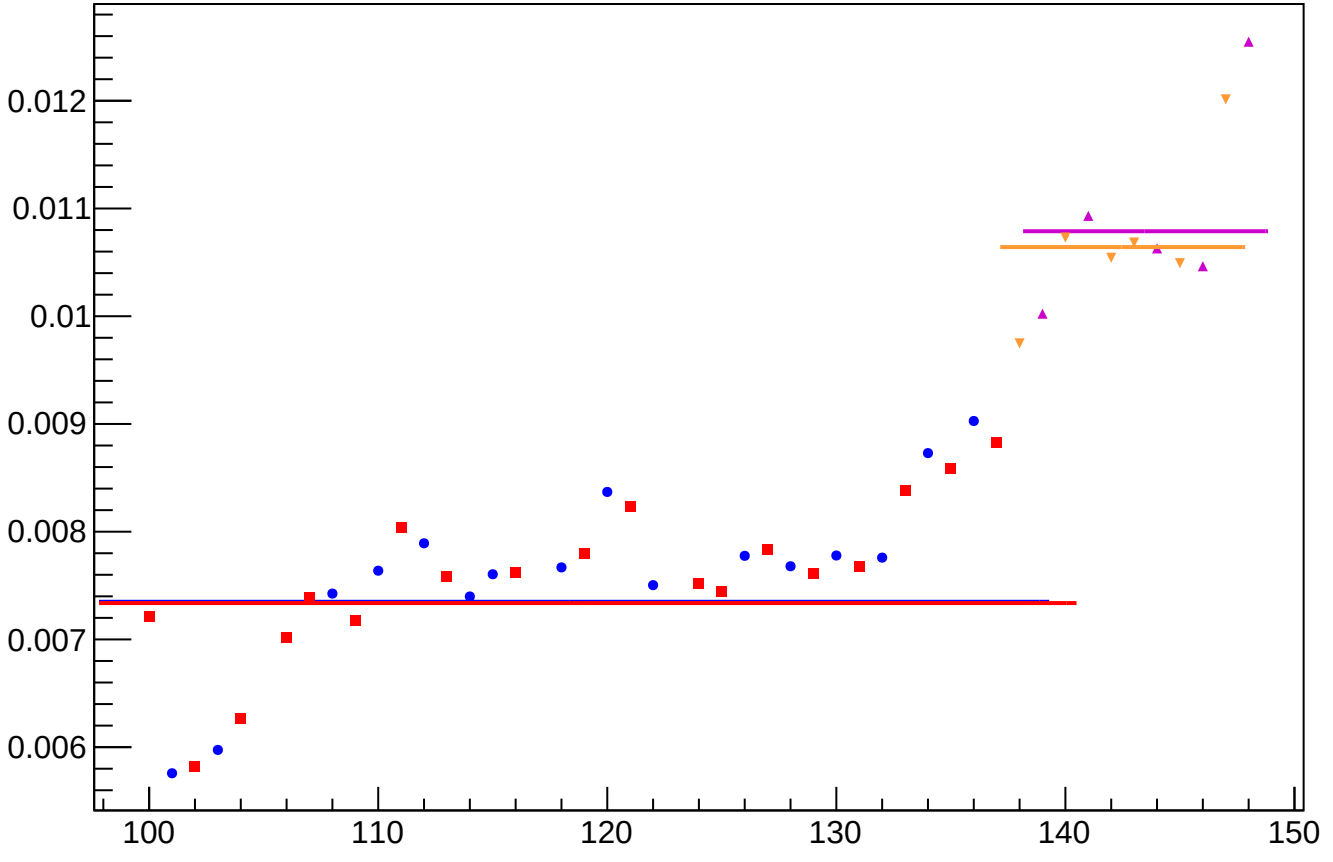
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.885+/-0.000 χ^2/NDF:188777836683.1/20

Out: 0.875+/-0.000 χ^2/NDF:182531982228.1/24

All: 0.880+/-0.000 χ^2/NDF: 371319888883.3

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:35072.8/5

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.011+/-0.000 χ^2/NDF:44982.7/4

Left: 0.011+/-0.000 χ^2/NDF: 80885.2/10

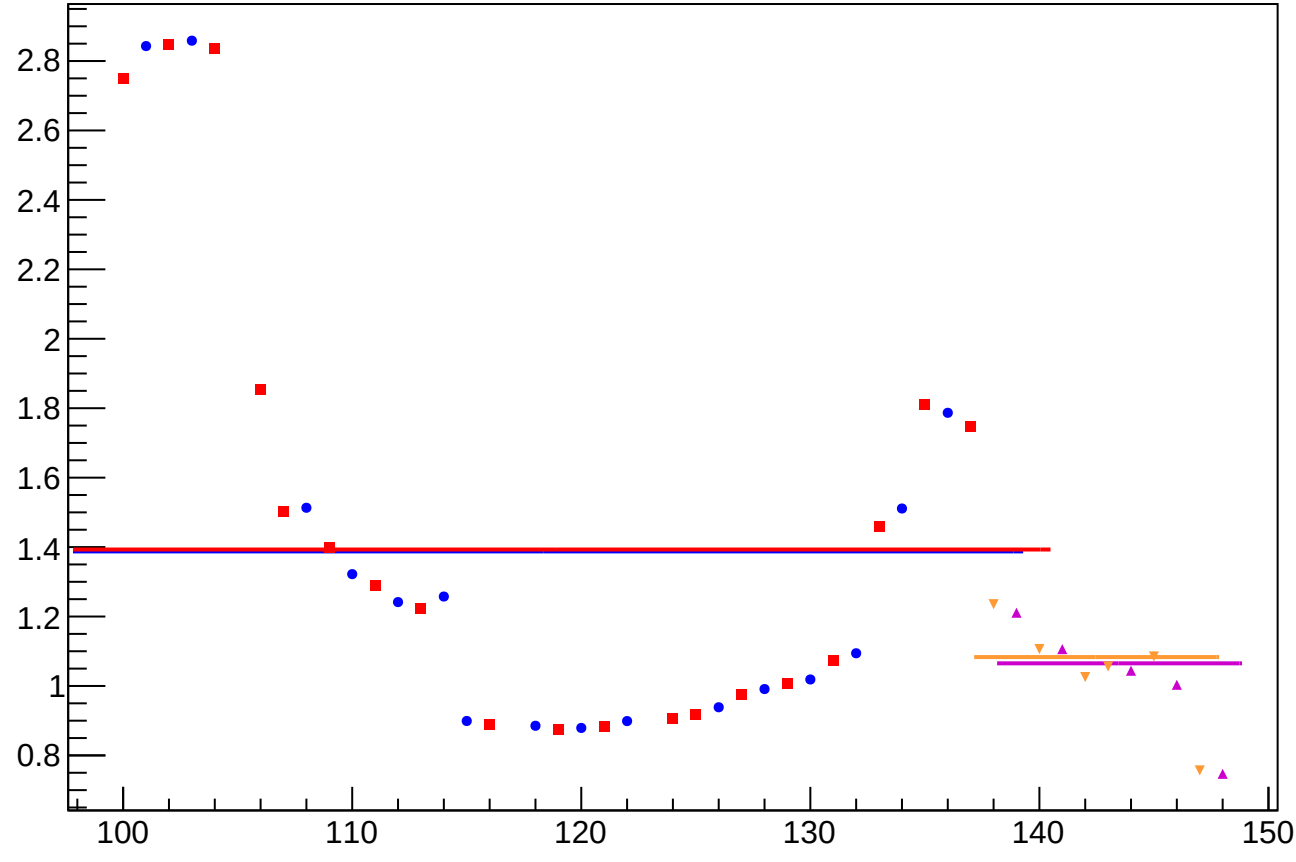
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1000656.5/20

Out: 0.008+/-0.000 χ^2/NDF:901041.0/24

All: 0.008+/-0.000 χ^2/NDF: 1901870.8/45

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.083+/-0.000 χ^2/NDF:932189404.2/5

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.065+/-0.000 χ^2/NDF:952481470.4/4

Left: 1.075+/-0.000 χ^2/NDF: 1893463081.7/10

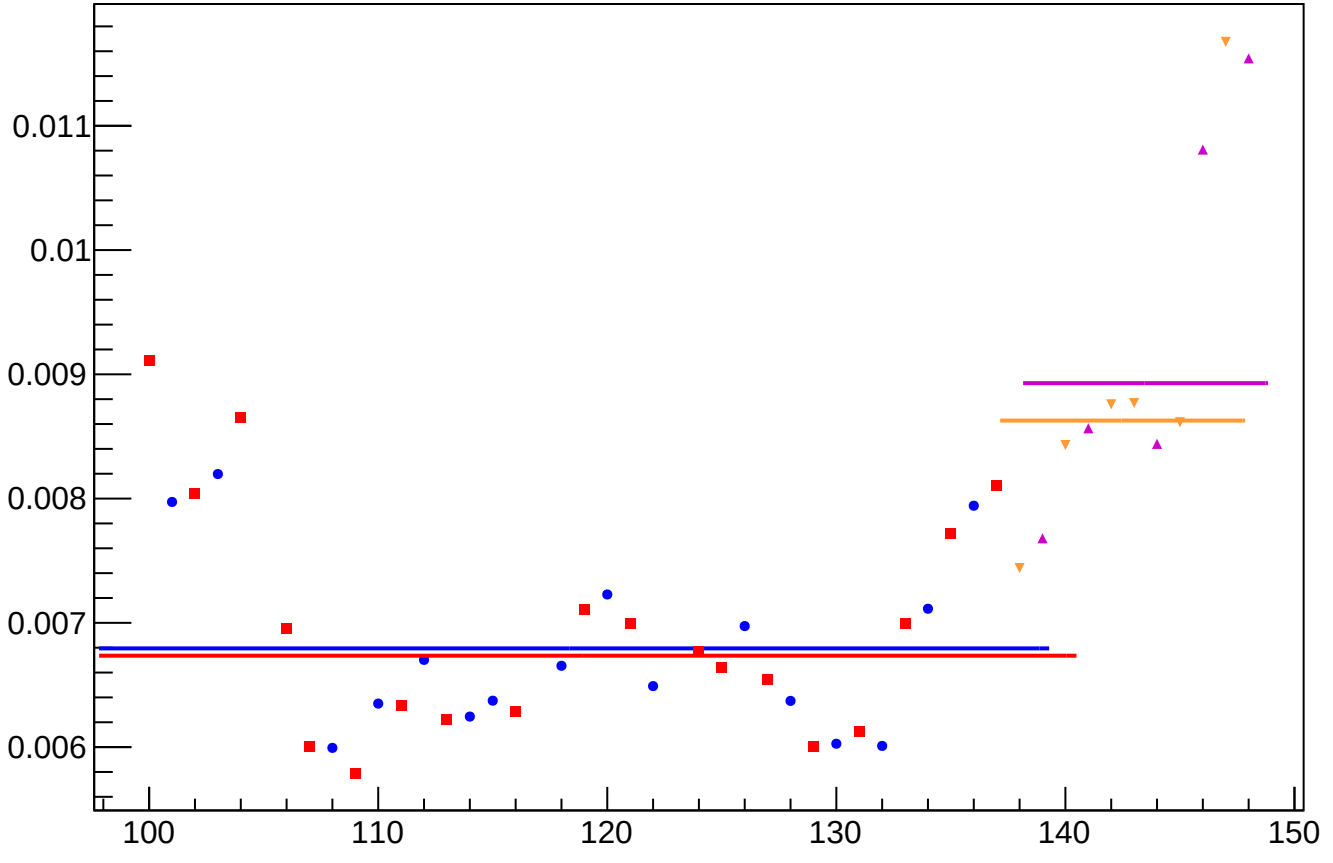
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.307+/-0.000 χ^2/NDF:63549860098.3/20

Out: 1.312+/-0.000 χ^2/NDF:60351820031.9/24

All: 1.310+/-0.000 χ^2/NDF: 123904394706.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:141493.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.009+/-0.000 χ^2/NDF:181594.9/4

Left: 0.009+/-0.000 χ^2/NDF: 327971.9/10

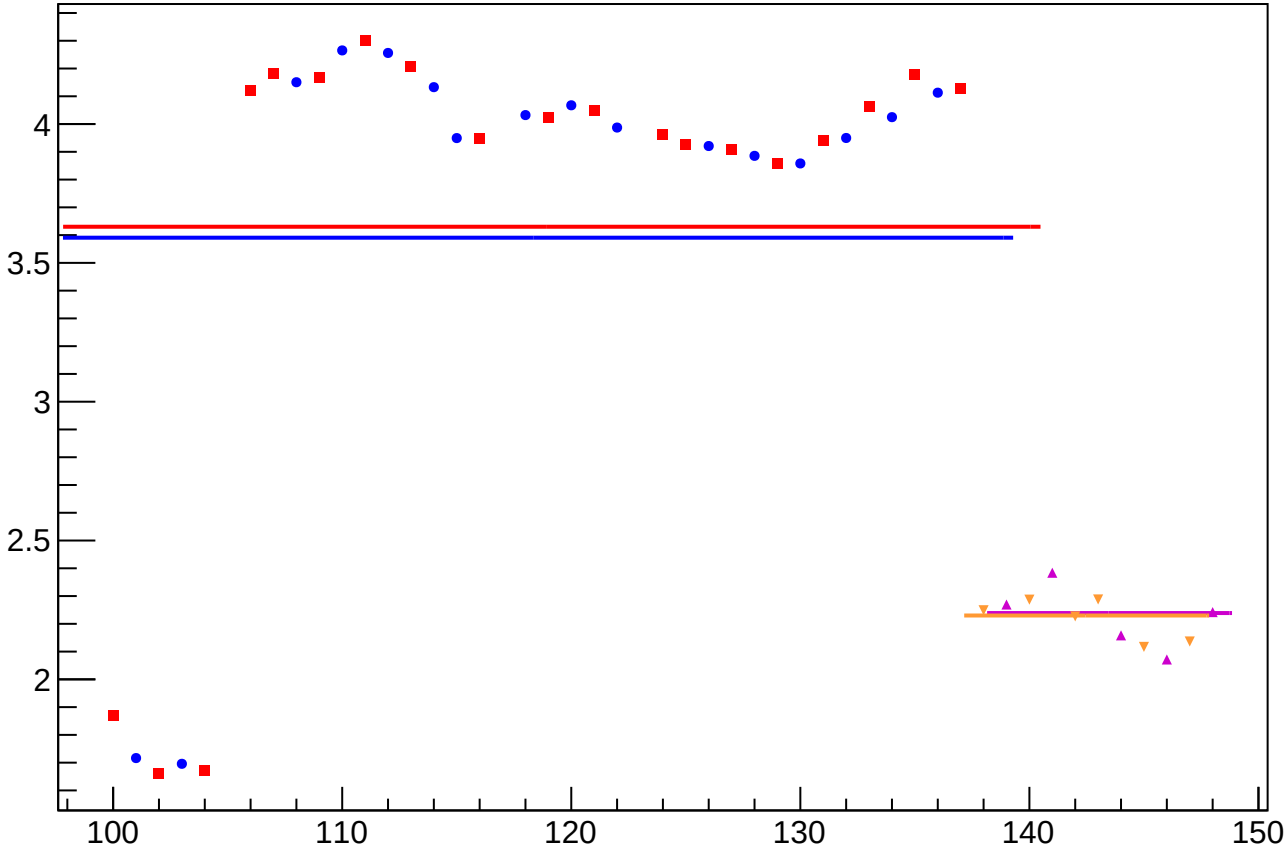
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:695417.1/20

Out: 0.007+/-0.000 χ^2/NDF:642548.7/24

All: 0.007+/-0.000 χ^2/NDF: 1339982.7/45

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.230+/-0.000 χ^2/NDF:315075726.3/5

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.239+/-0.000 χ^2/NDF:679590394.4/4

Left: 2.234+/-0.000 χ^2/NDF: 997312170.0/10

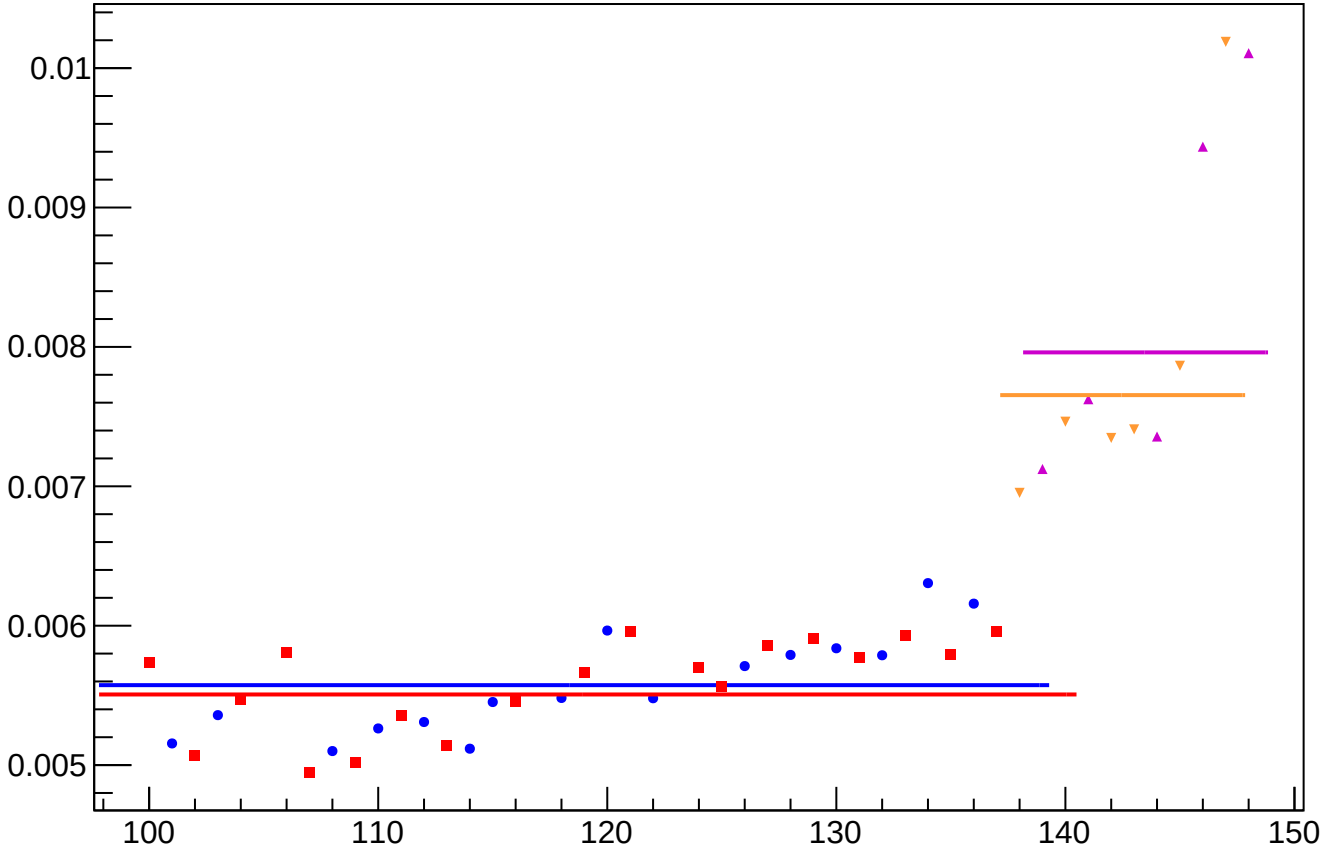
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.297+/-0.000 χ^2/NDF:294376349919.3/20

Out: 3.307+/-0.000 χ^2/NDF:321888521599.6/24

All: 3.302+/-0.000 χ^2/NDF: 616278874417.7

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:110024.4/5

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.008+/-0.000 χ^2/NDF:144631.3/4

Left: 0.008+/-0.000 χ^2/NDF: 261031.1/10

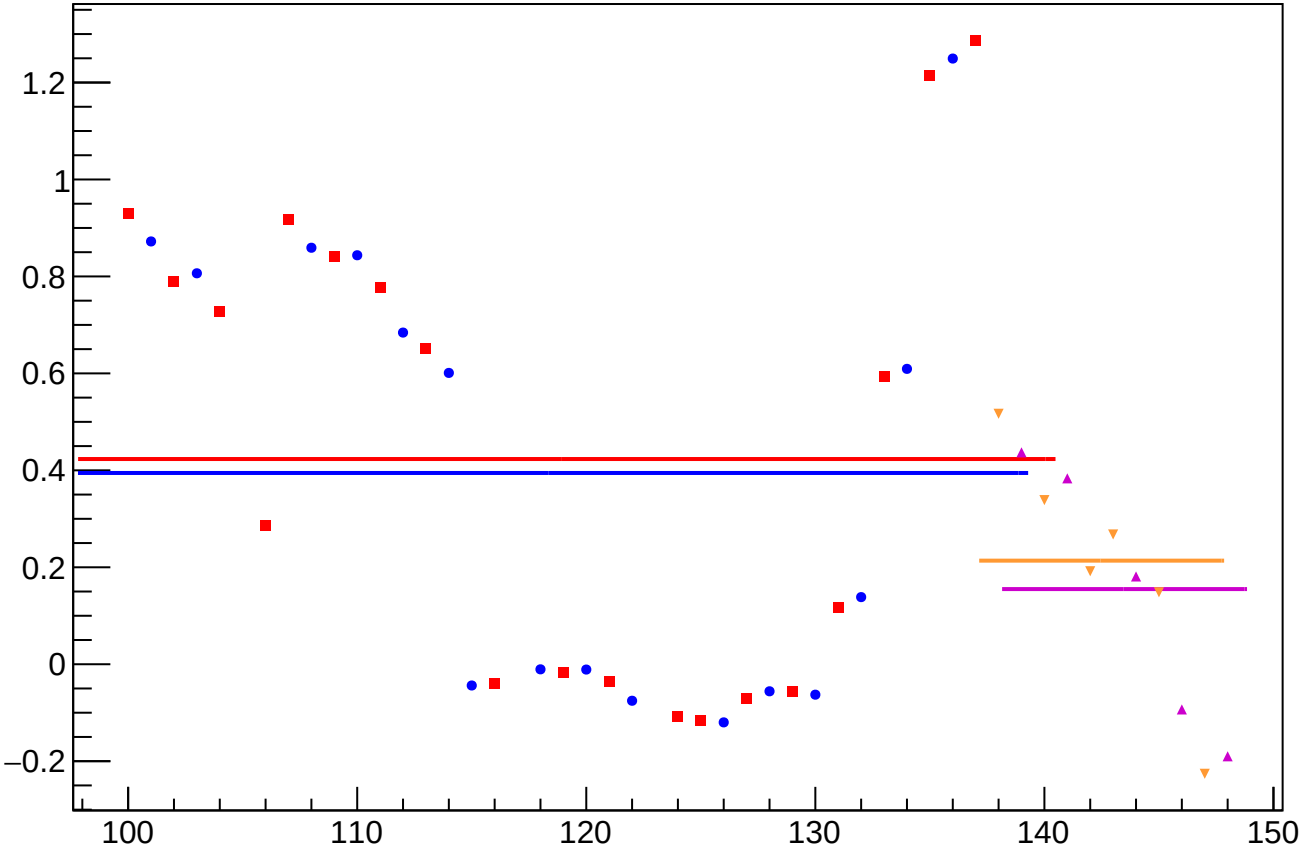
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:774460.2/20

Out: 0.006+/-0.000 χ^2/NDF:680239.3/24

All: 0.006+/-0.000 χ^2/NDF: 1457114.5/45

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.214+/-0.000 χ^2/NDF:875129578.9/5

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.155+/-0.000 χ^2/NDF:934593688.9/4

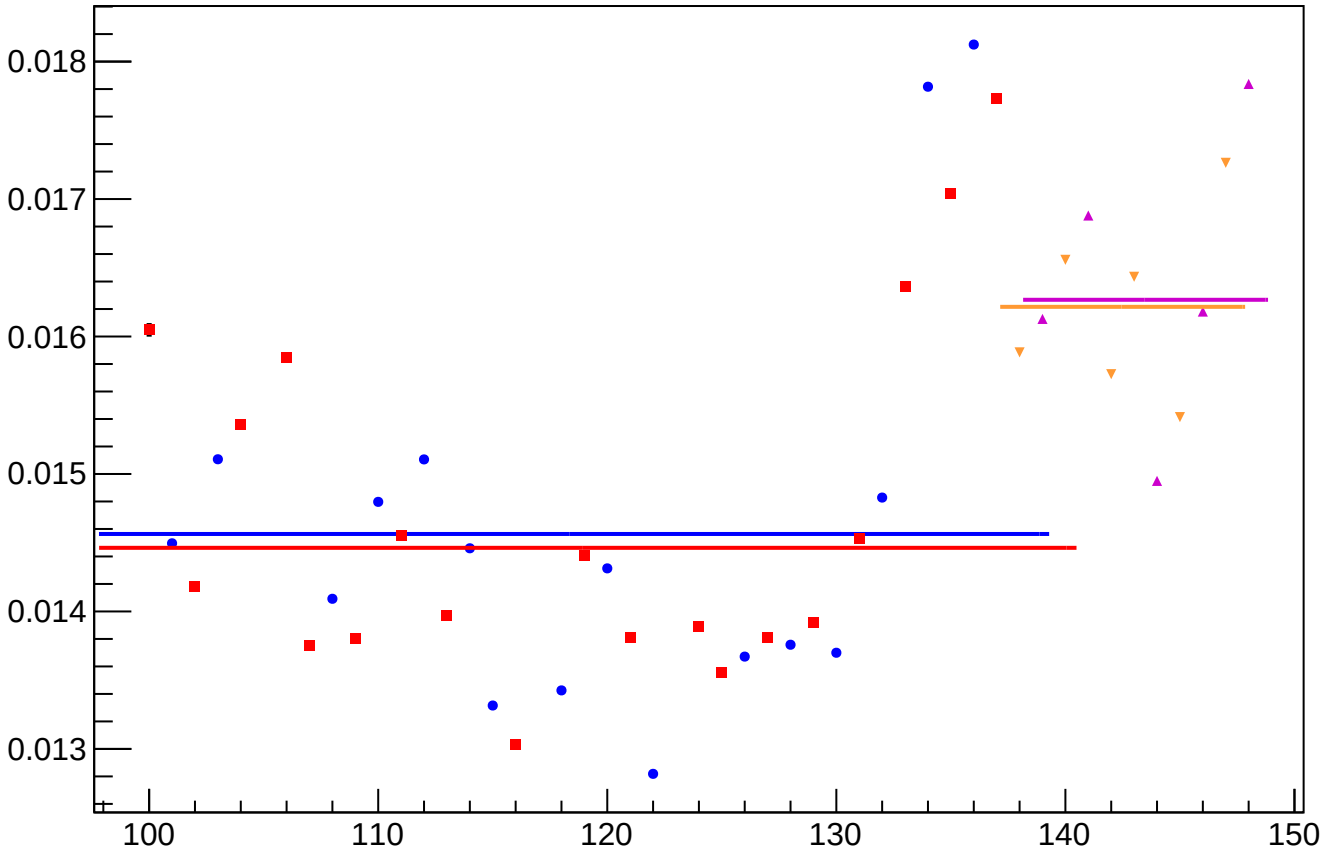
Left: 0.185+/-0.000 χ^2/NDF: 1838177927.1/10

Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.316+/-0.000 χ^2/NDF:8973615902.9/20

Out: 0.355+/-0.000 χ^2/NDF:8278819585.8/24

All: 0.336+/-0.000 χ^2/NDF: 17290001560.0/4



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:12795.7/5

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:29112.8/4

Left: 0.016+/-0.000 χ^2/NDF: 41952.1/10

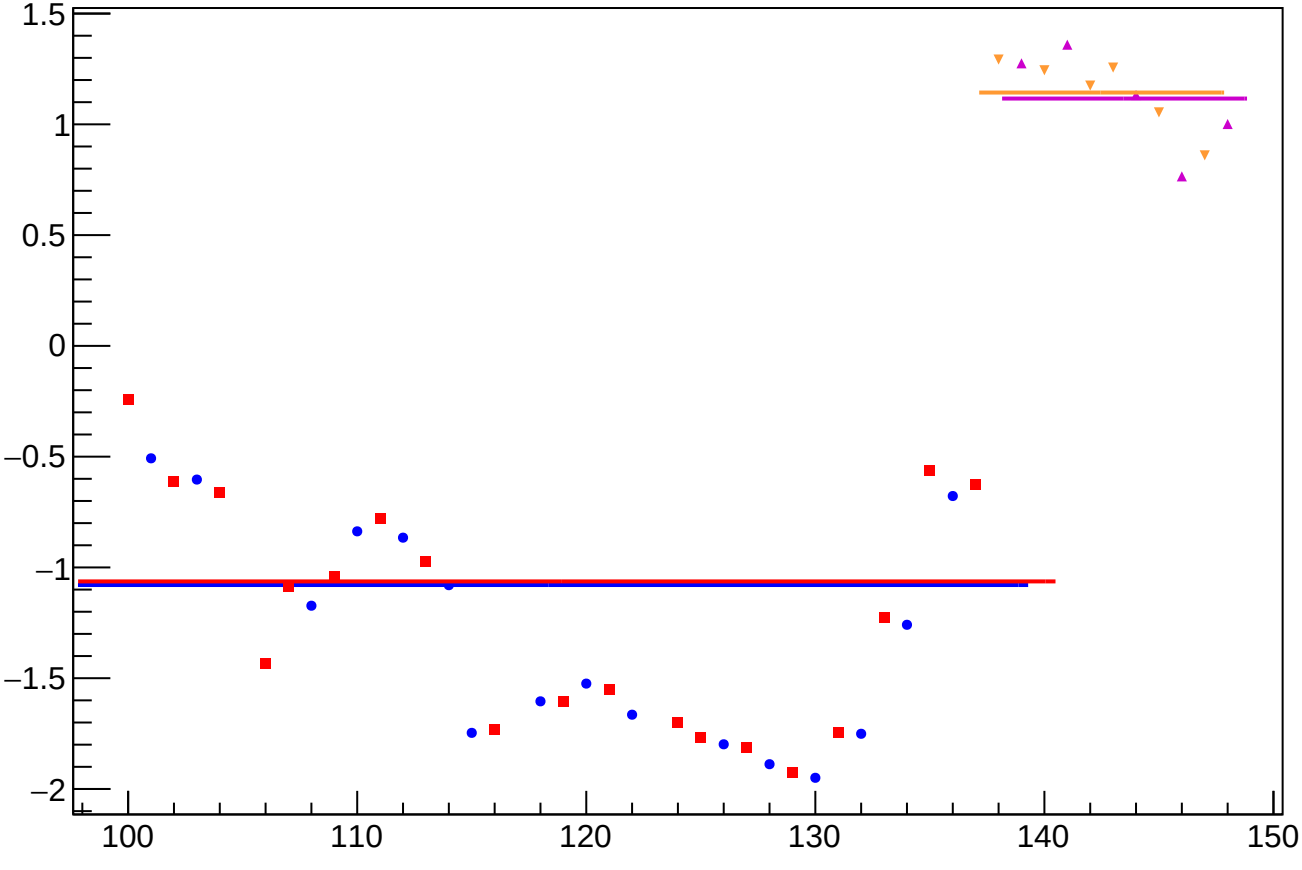
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:225633.9/20

Out: 0.015+/-0.000 χ^2/NDF:160075.2/24

All: 0.015+/-0.000 χ^2/NDF: 386070.6/45

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.144+/-0.000 χ^2/NDF:6592365209.6/5

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.116+/-0.000 χ^2/NDF:8977257567.4/4

Left: 1.131+/-0.000 χ^2/NDF: 15666665846.0/10

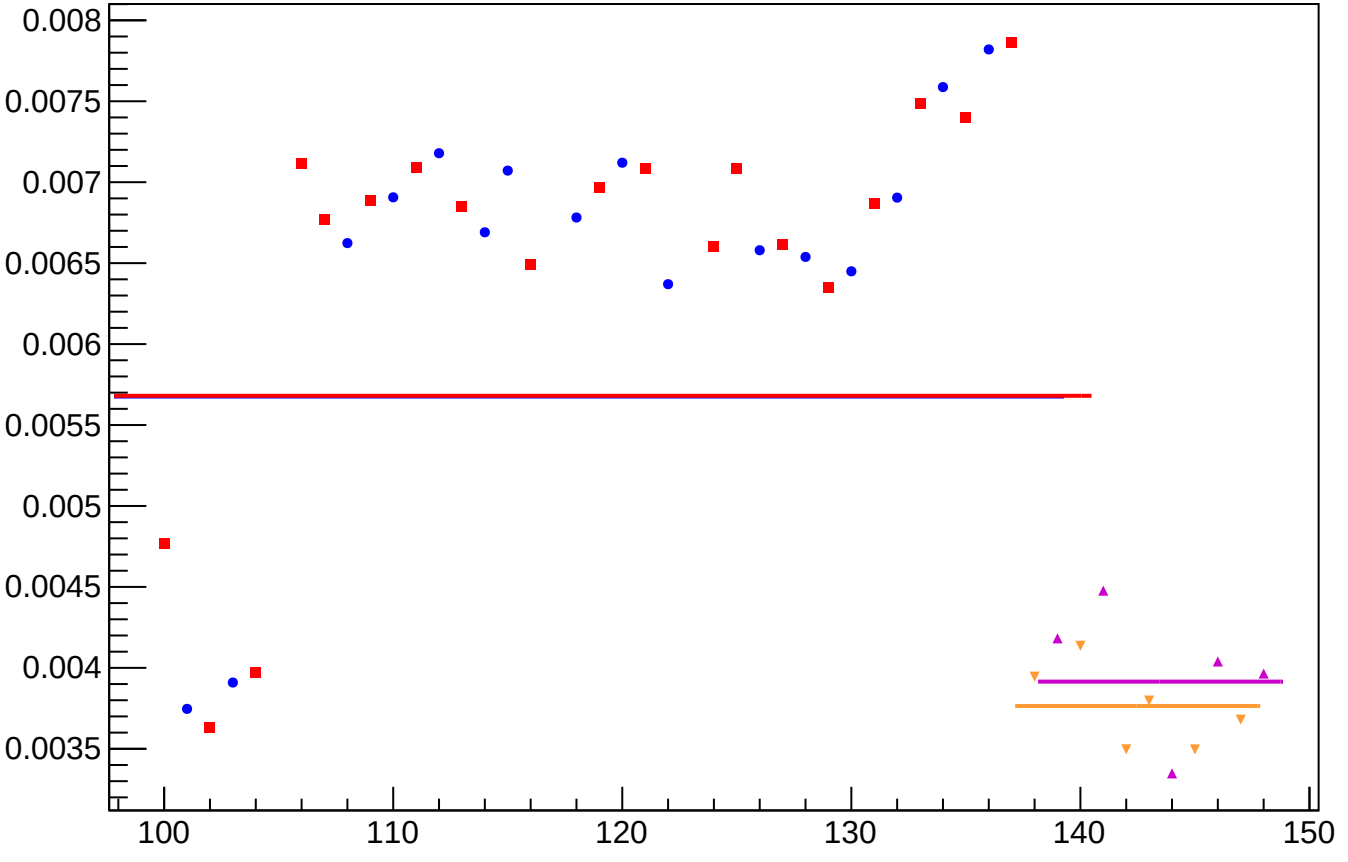
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.135+/-0.000 χ^2/NDF:595720275005.1/20

Out: 0.234+/-0.000 χ^2/NDF:628460473652.1/24

All: 0.187+/-0.000 χ^2/NDF: 1226448576473.

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:29665.4/5

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:82464.0/4

Left: 0.004+/-0.000 χ^2/NDF: 118104.6/10

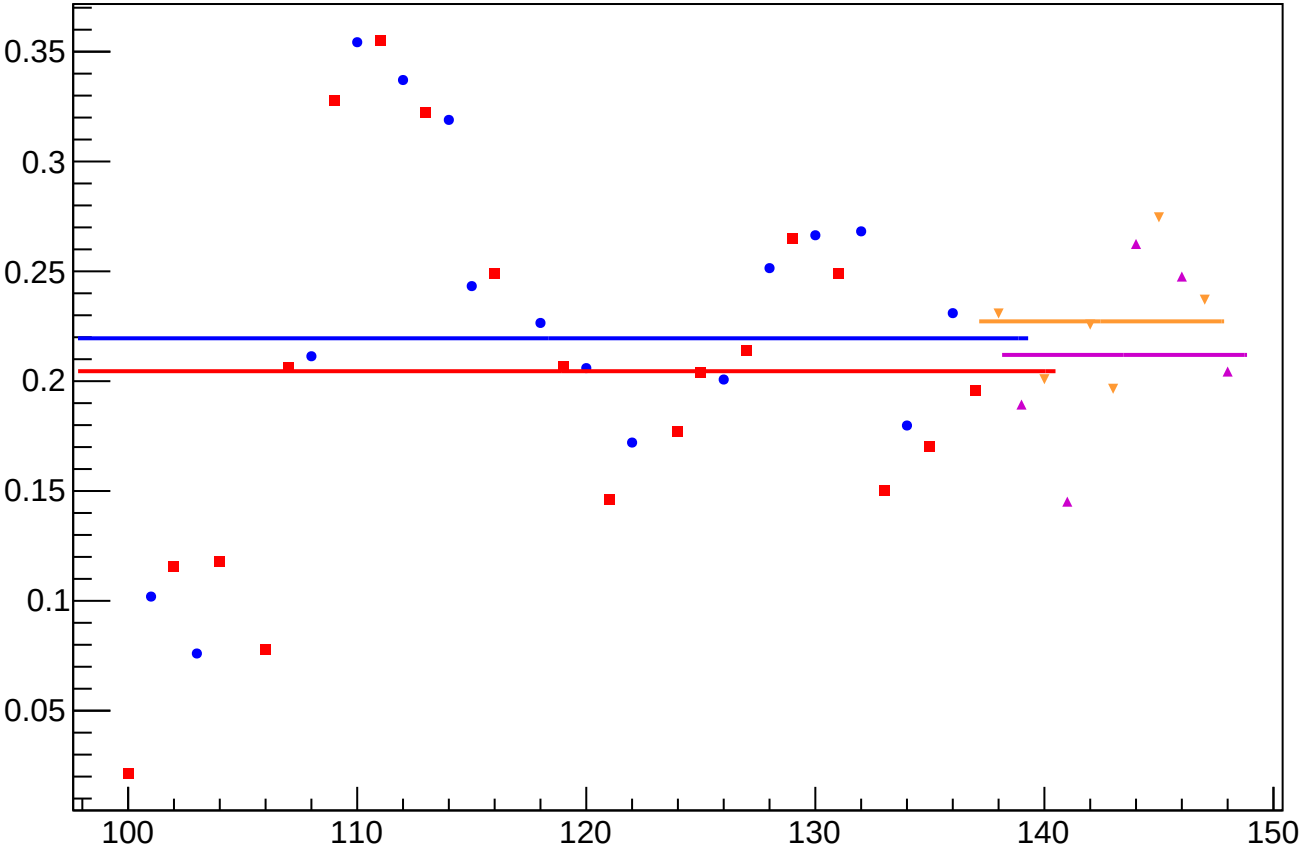
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1705244.2/20

Out: 0.005+/-0.000 χ^2/NDF:1872946.7/24

All: 0.005+/-0.000 χ^2/NDF: 3588310.3/45

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.227+/-0.000 χ^2/NDF:1723606017.1/5

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.212+/-0.000 χ^2/NDF:4099832704.8/4

Left: 0.220+/-0.000 χ^2/NDF: 6078932900.7/10

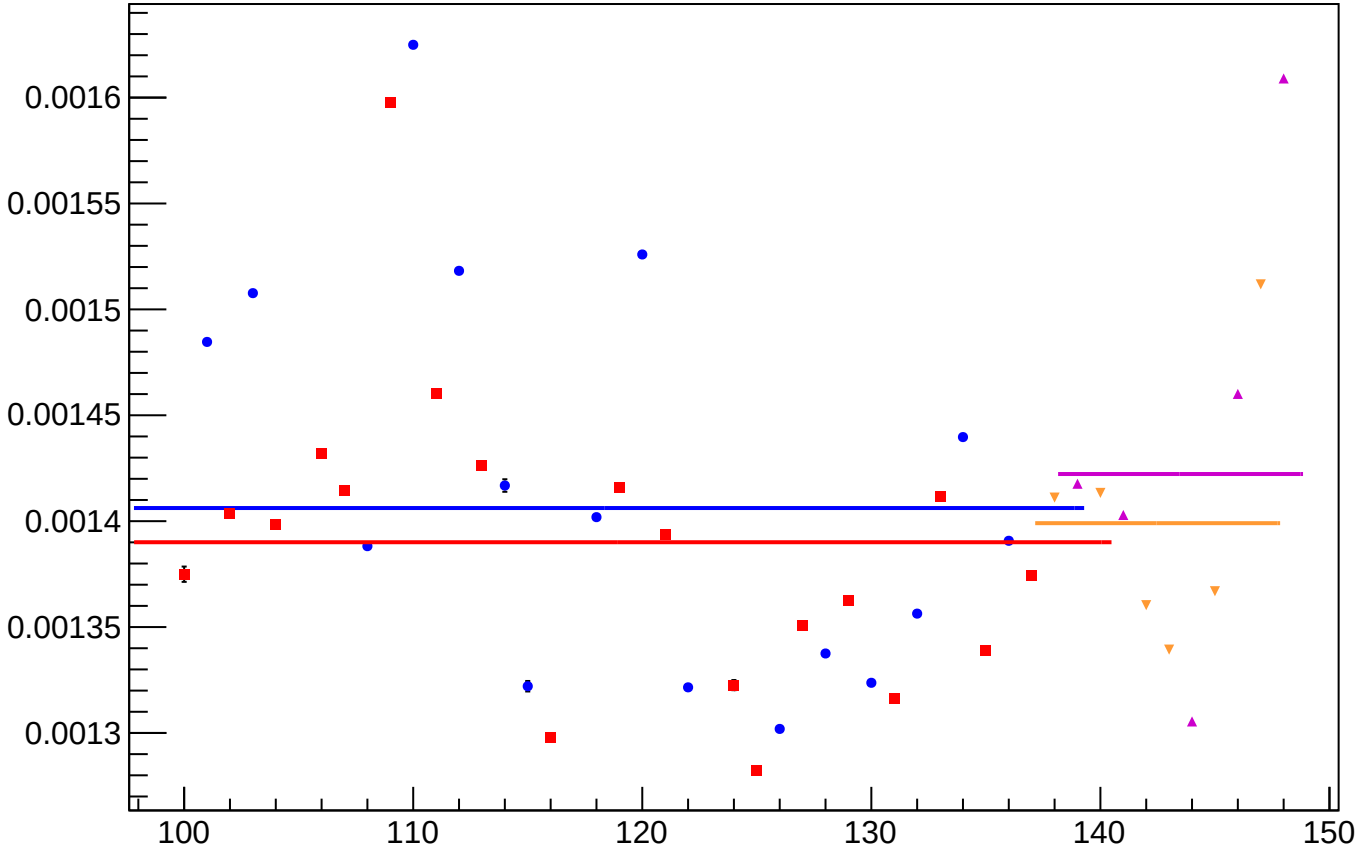
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.217+/-0.000 χ^2/NDF:20905042208.2/20

Out: 0.213+/-0.000 χ^2/NDF:24768492404.3/24

All: 0.215+/-0.000 χ^2/NDF: 45712051536.6/4

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:13975.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:36970.5/4

Left: 0.001+/-0.000 χ^2/NDF: 52126.4/10

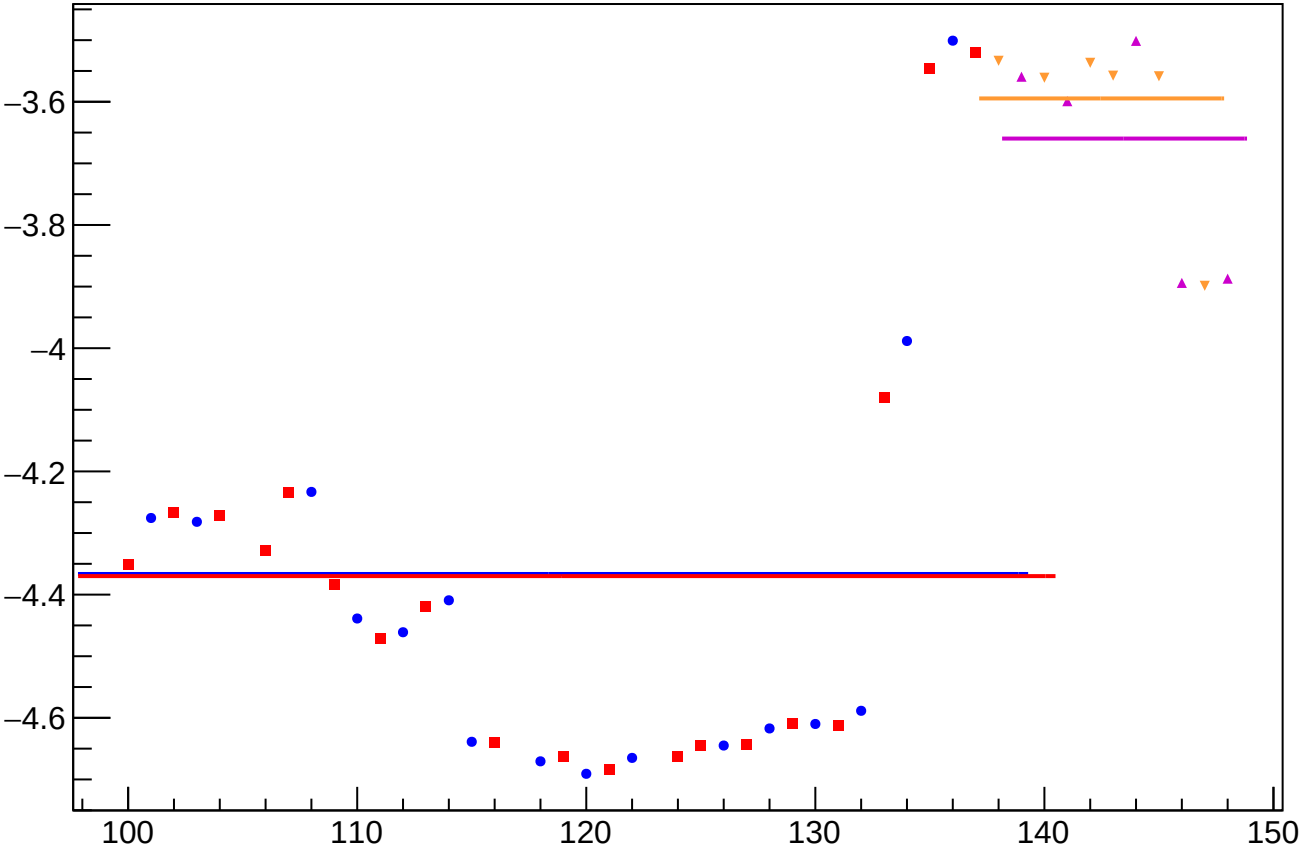
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:85851.5/20

Out: 0.001+/-0.000 χ^2/NDF:48992.6/24

All: 0.001+/-0.000 χ^2/NDF: 136909.3/45

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.595+/-0.000 χ^2/NDF:17065054642.9/5

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.660+/-0.000 χ^2/NDF:29582095891.3/4

Left: -3.626+/-0.000 χ^2/NDF: 49199563352.3/10

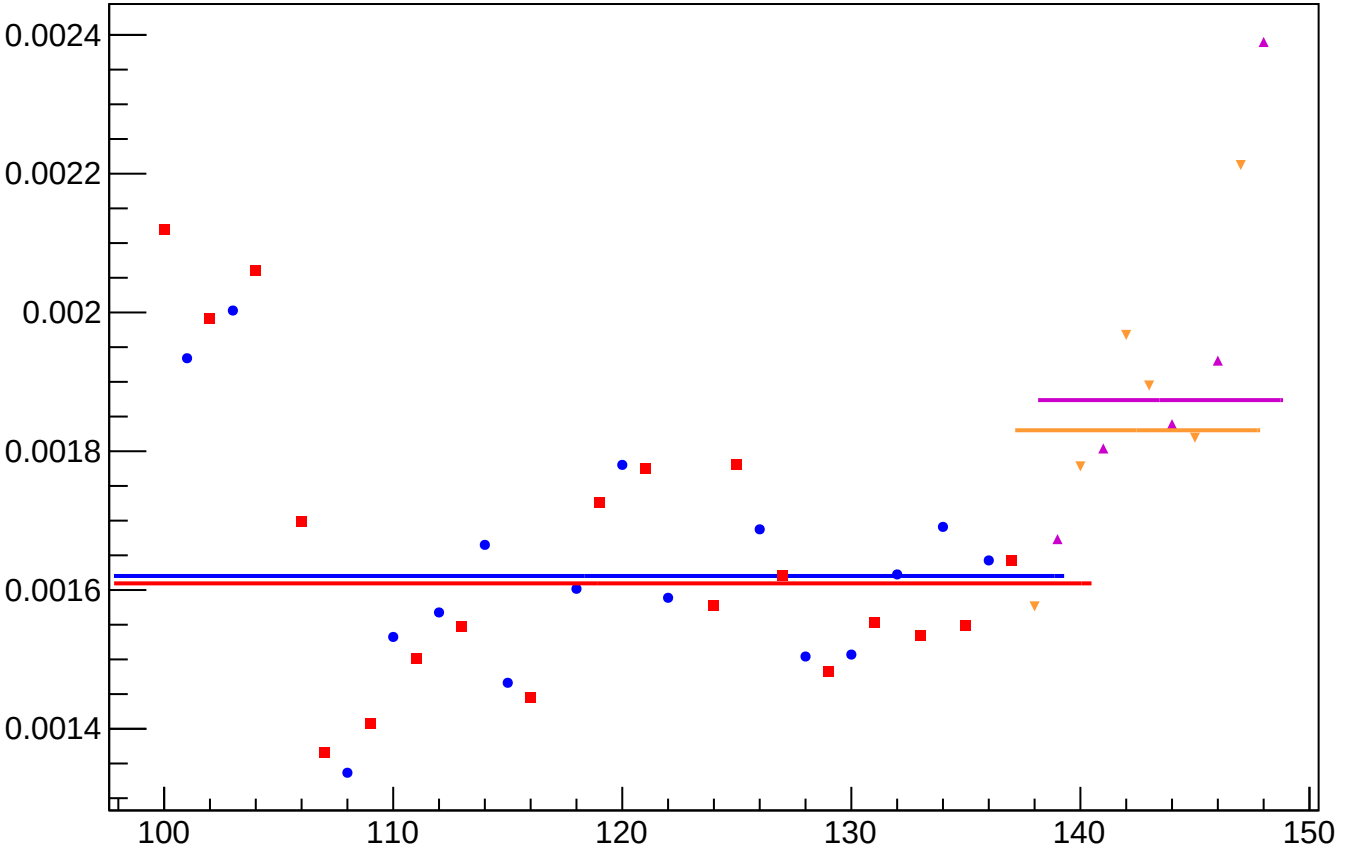
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.149+/-0.000 χ^2/NDF:784430564553.0/20

Out: -4.128+/-0.000 χ^2/NDF:829455952260.1/24

All: -4.138+/-0.000 χ^2/NDF: 1614807125960

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:91340.1/5

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:102354.4/4

Left: 0.002+/-0.000 χ^2/NDF: 195967.5/10

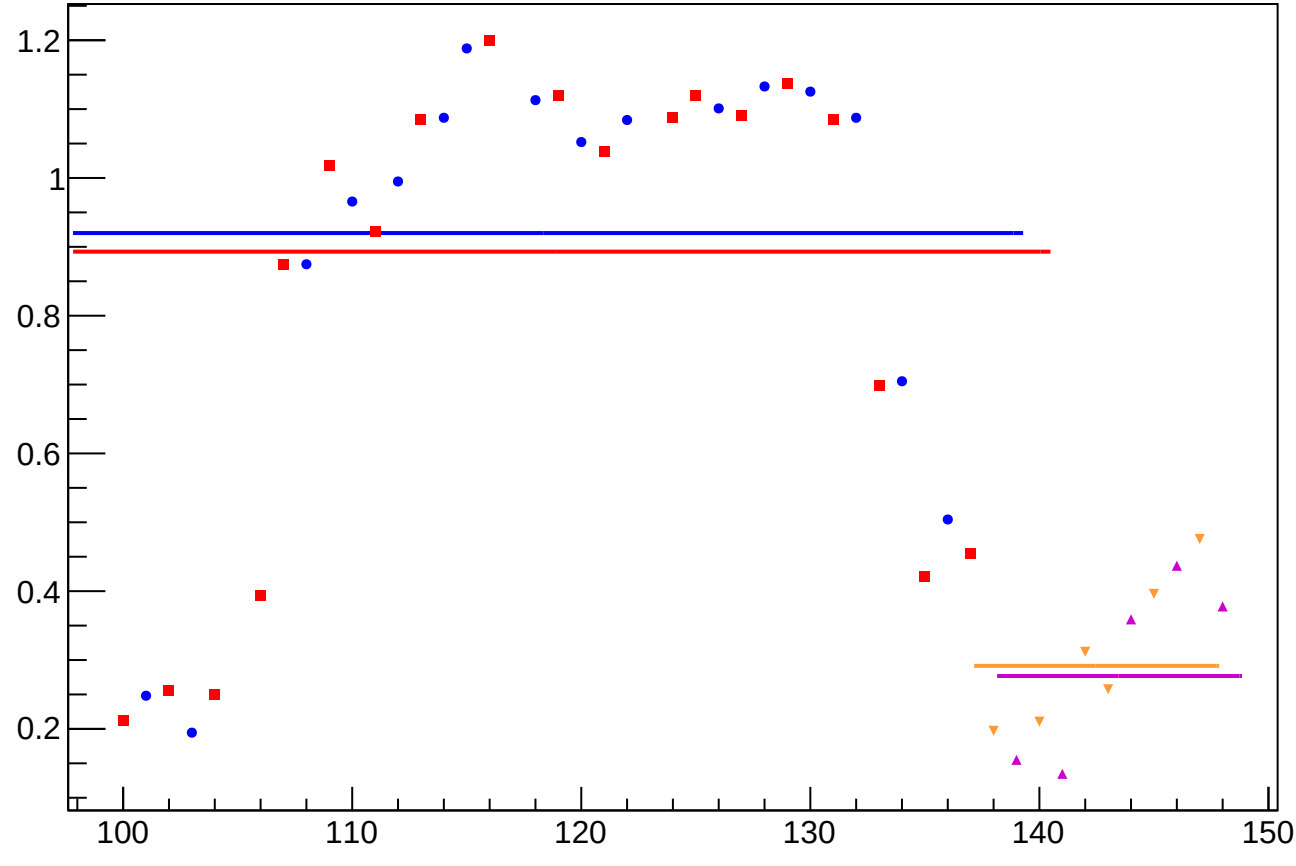
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:345905.8/20

Out: 0.002+/-0.000 χ^2/NDF:359923.1/24

All: 0.002+/-0.000 χ^2/NDF: 707315.3/45

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.292+/-0.000 χ^2/NDF:517099871.1/5

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.277+/-0.000 χ^2/NDF:796618390.5/4

Left: 0.284+/-0.000 χ^2/NDF: 1319449750.4/10

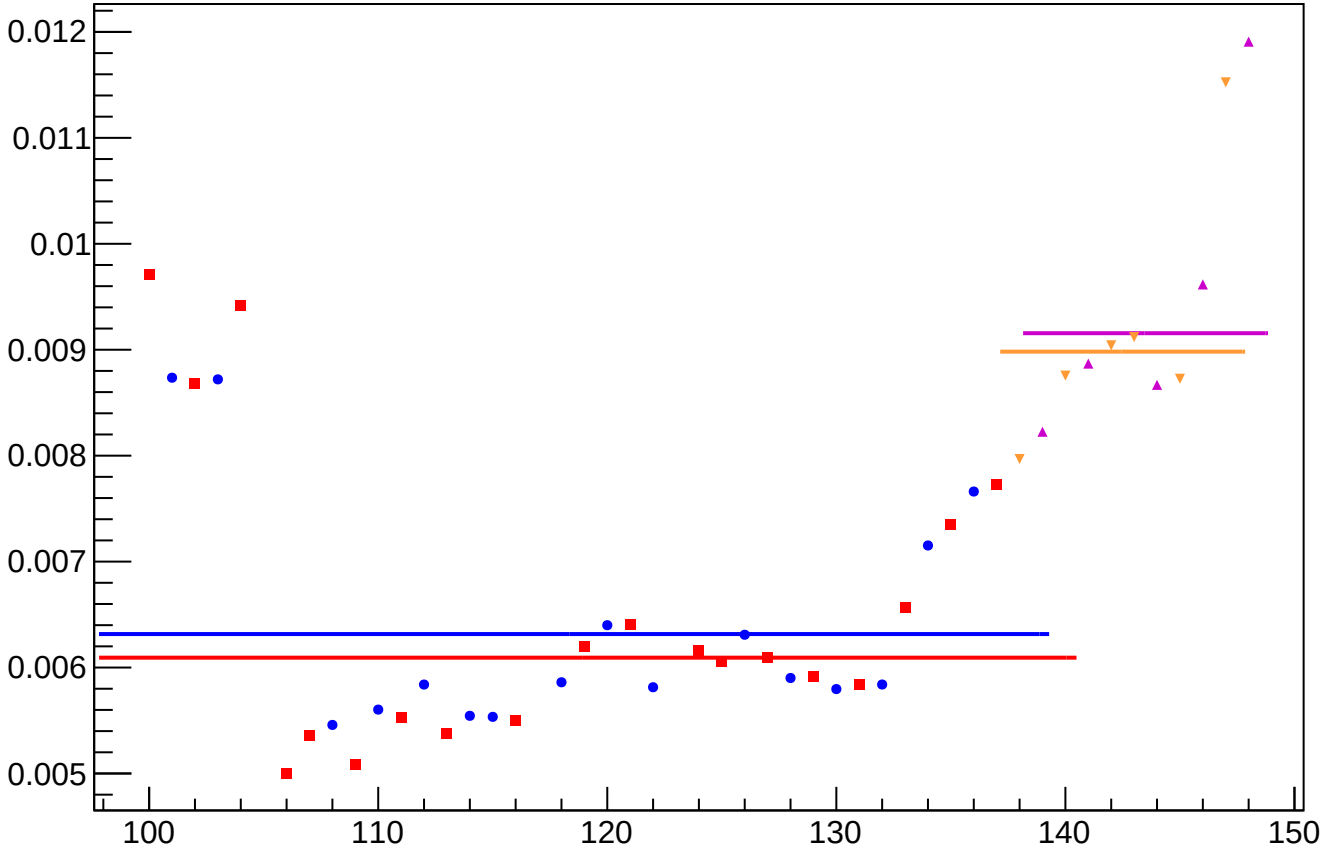
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.775+/-0.000 χ^2/NDF:31714916634.9/20

Out: 0.761+/-0.000 χ^2/NDF:33629271217.1/24

All: 0.768+/-0.000 χ^2/NDF: 65367516162.6/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:107552.9/5

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:121992.3/4

Left: 0.009+/-0.000 χ^2/NDF: 231149.6/10

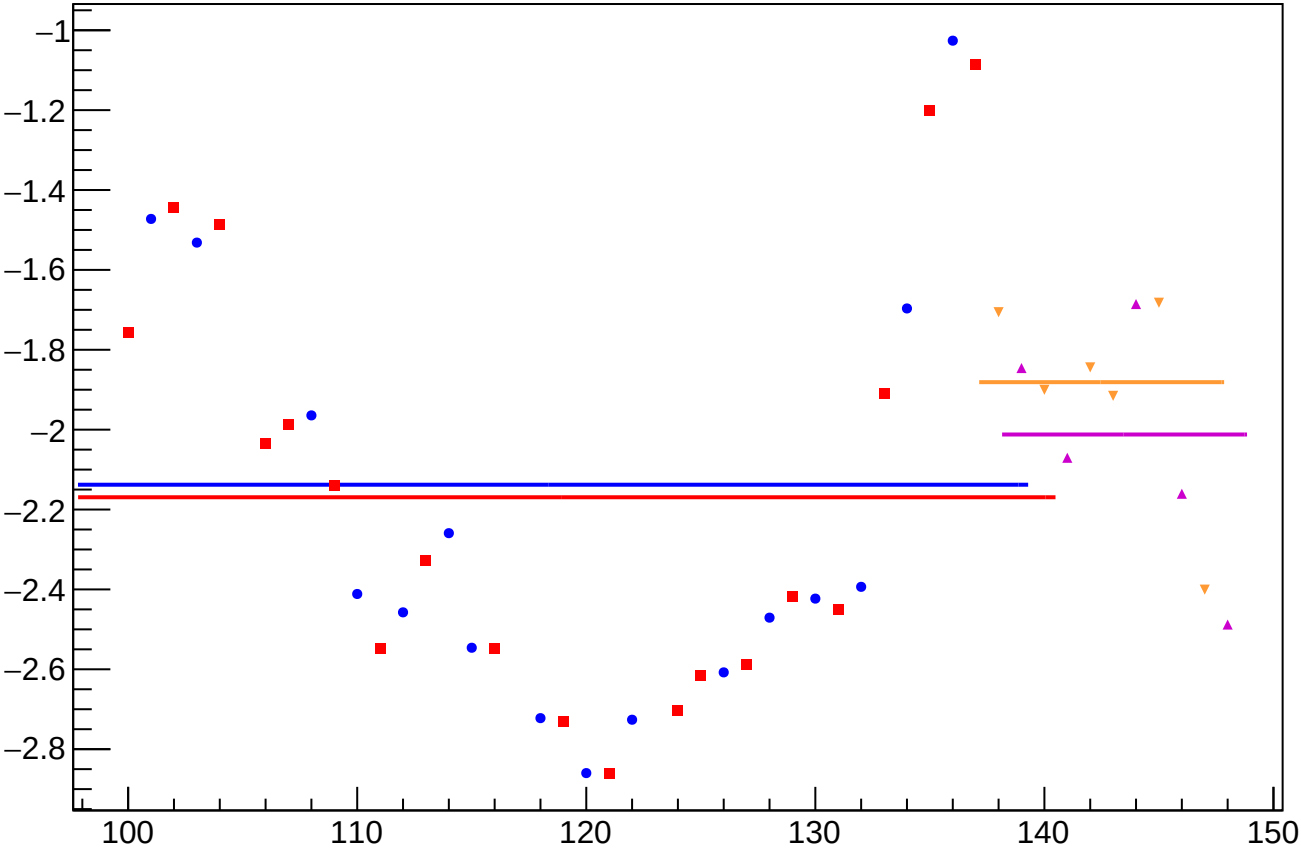
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1095248.1/20

Out: 0.007+/-0.000 χ^2/NDF:1257047.1/24

All: 0.007+/-0.000 χ^2/NDF: 2364803.1/45

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.881+/-0.000 χ^2/NDF:3810071039.5/5

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.012+/-0.000 χ^2/NDF:4476756057.8/4

Left: -1.944+/-0.000 χ^2/NDF: 8902126892.6/10

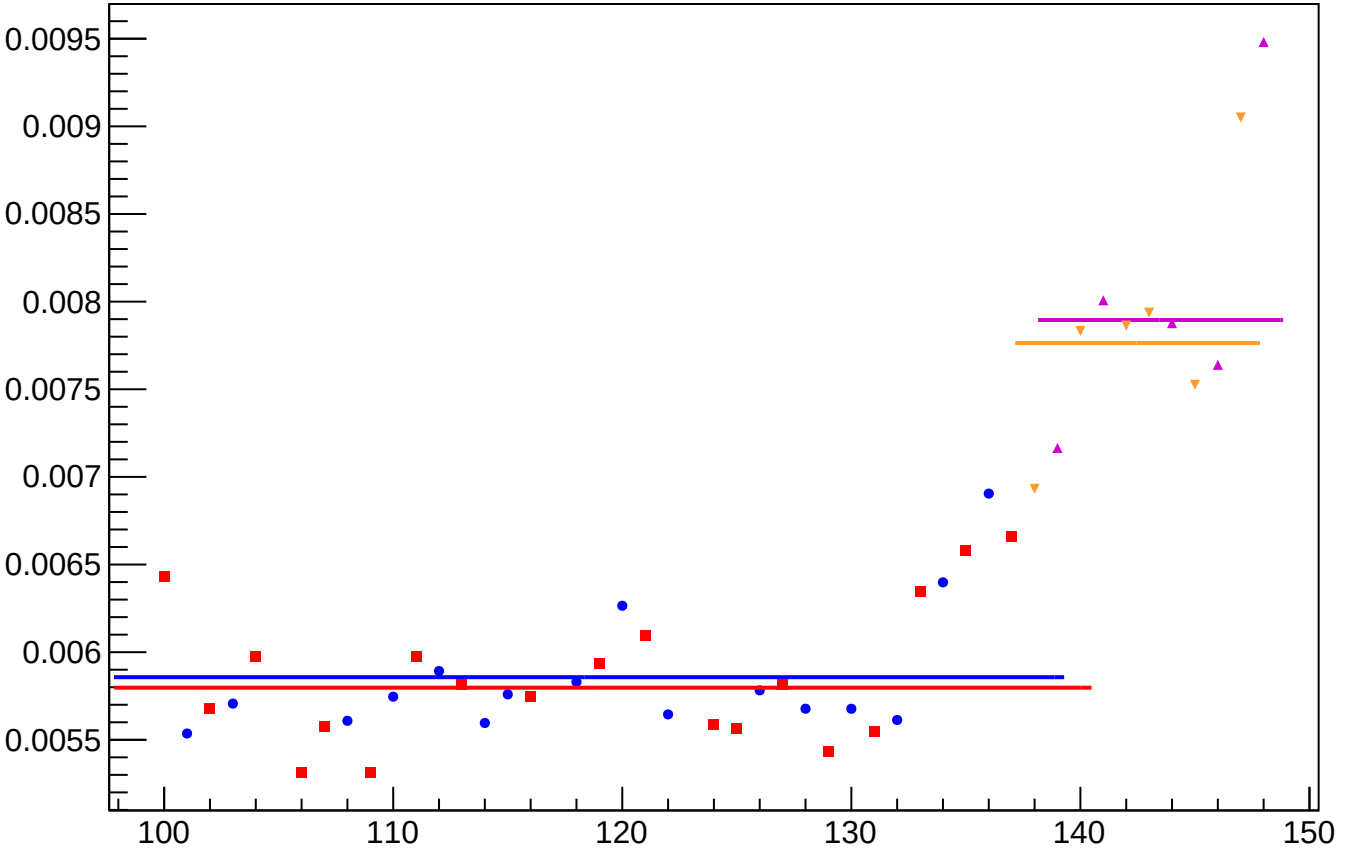
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.107+/-0.000 χ^2/NDF:70966568029.7/20

Out: -2.097+/-0.000 χ^2/NDF:65838772704.3/24

All: -2.102+/-0.000 χ^2/NDF: 136818695369.2

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:58377.8/5

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:66389.7/4

Left: 0.008+/-0.000 χ^2/NDF: 126008.5/10

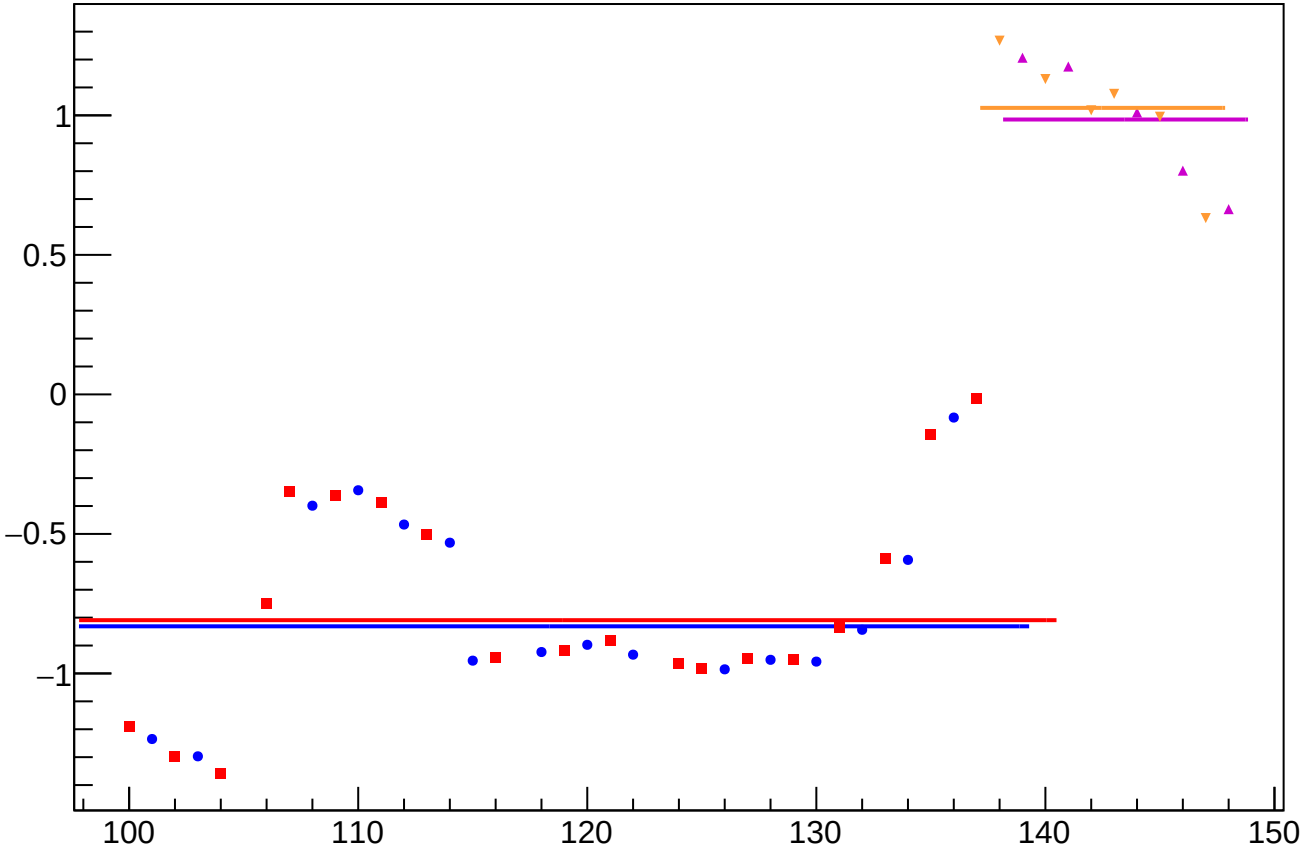
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:560814.8/20

Out: 0.006+/-0.000 χ^2/NDF:544916.6/24

All: 0.006+/-0.000 χ^2/NDF: 1107261.1/45

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.027+/-0.000 χ^2/NDF:1049831243.8/5

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 0.985+/-0.000 χ^2/NDF:1051008805.6/4

Left: 1.006+/-0.000 χ^2/NDF: 2124219256.2/10

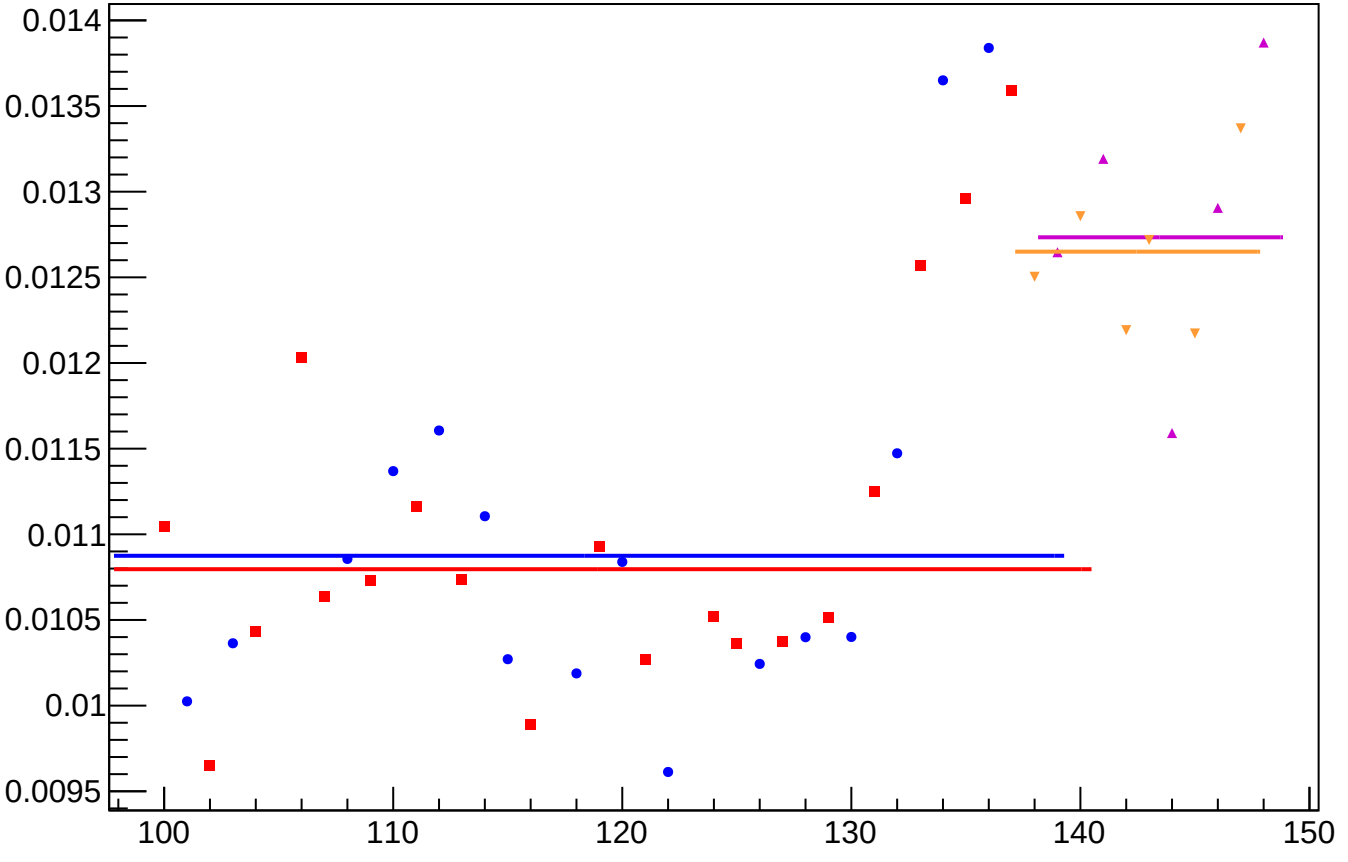
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.275+/-0.000 χ^2/NDF:68203461824.3/20

Out: -0.244+/-0.000 χ^2/NDF:73578463249.3/24

All: -0.259+/-0.000 χ^2/NDF: 141826594865.3

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:8945.8/5

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:30651.6/4

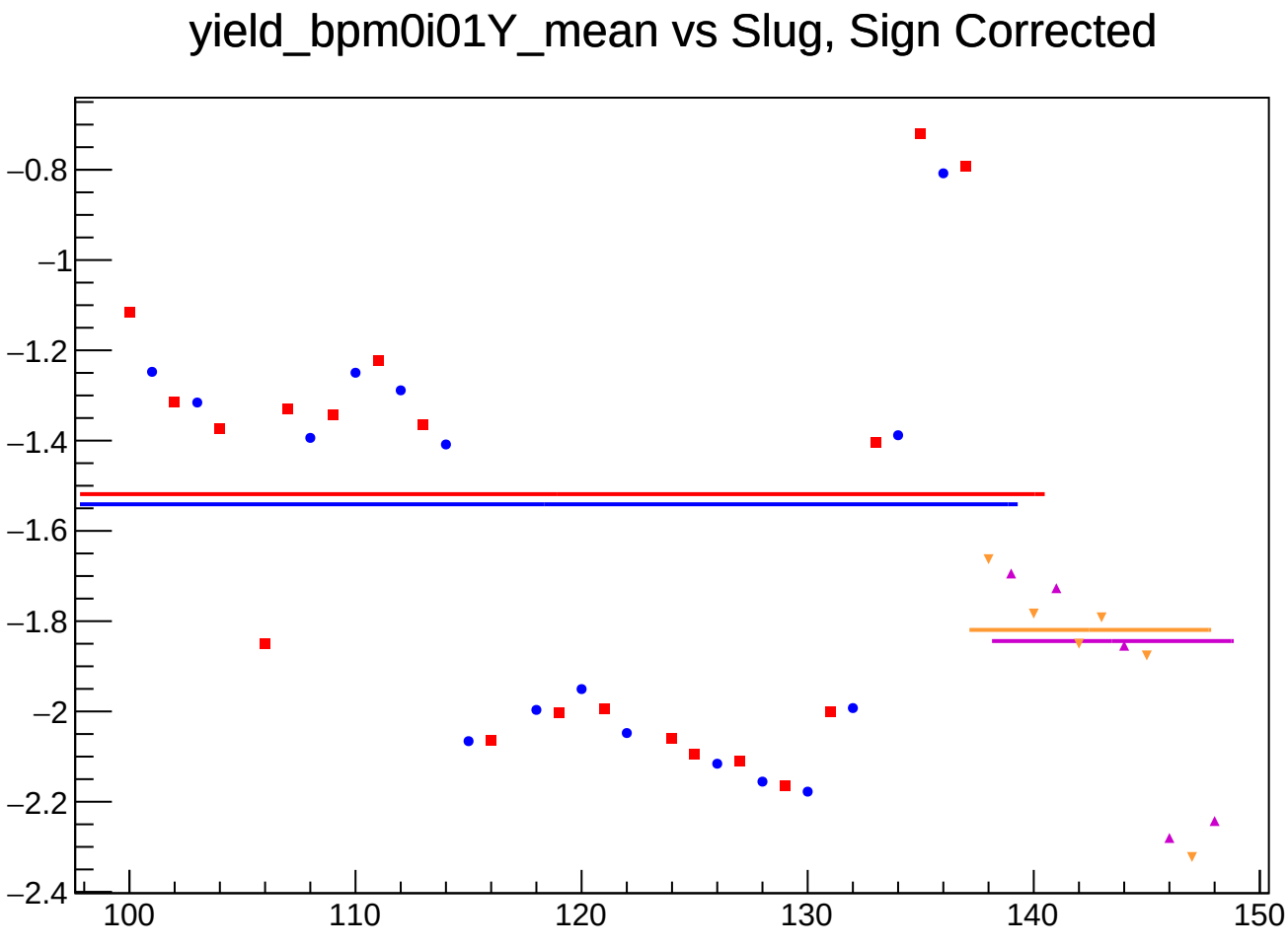
Left: 0.013+/-0.000 χ^2/NDF: 39786.2/10

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

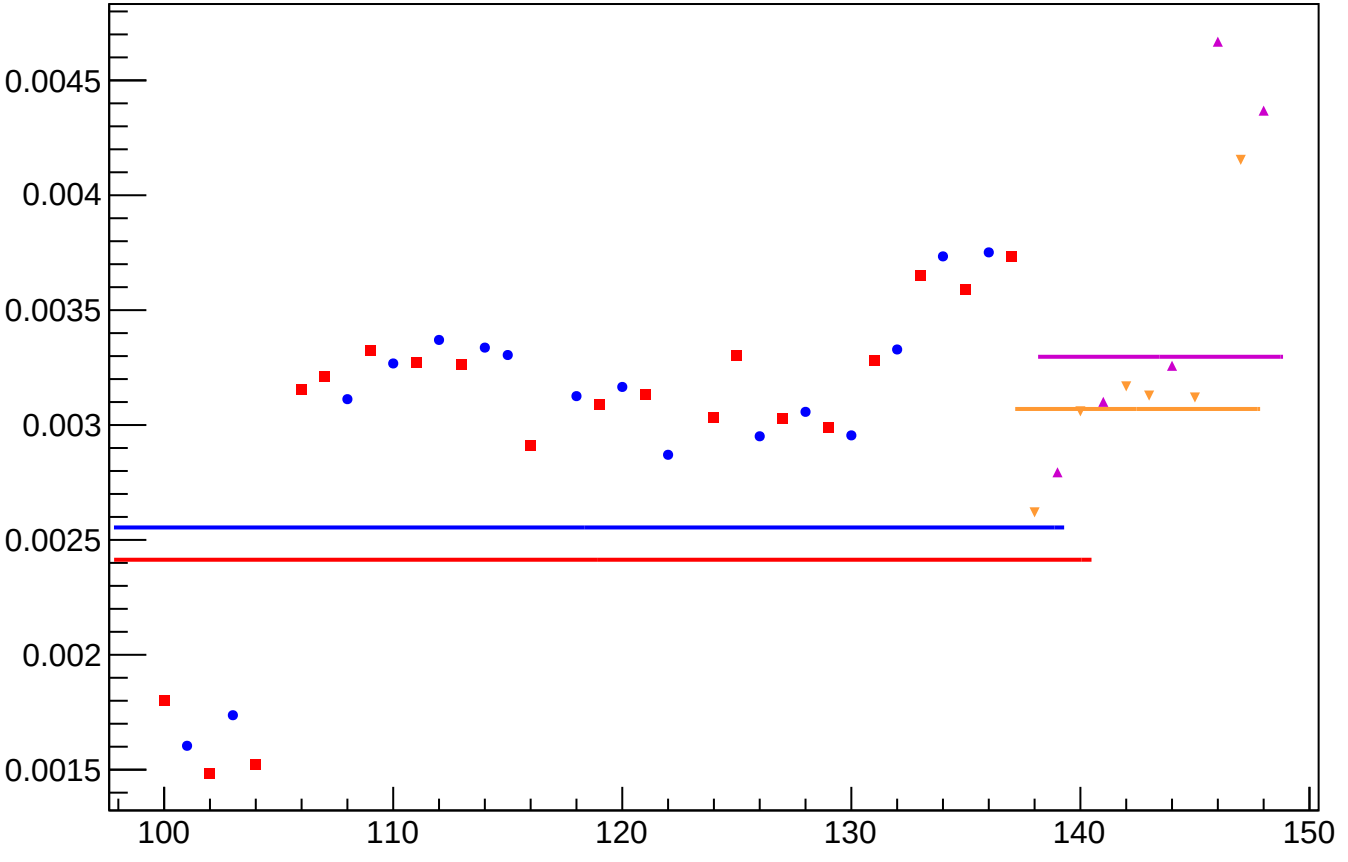
In: 0.011+/-0.000 χ^2/NDF:314085.7/20

Out: 0.011+/-0.000 χ^2/NDF:239331.3/24

All: 0.011+/-0.000 χ^2/NDF: 553923.7/45


yield_bpm0i01Y_mean vs Slug, Sign Corrected
−0.8
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -1.819+/-0.000 χ²/NDF:11912023940.4/5
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -1.844+/-0.000 χ²/NDF:13845108038.8/4
Left: -1.830+/-0.000 χ²/NDF: 25868156660.6/10
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -1.620+/-0.000 χ²/NDF:198443896743.0/20
Out: -1.605+/-0.000 χ²/NDF:183487391258.0/24
All: -1.612+/-0.000 χ²/NDF: 382076269133.

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:127618.8/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:234572.8/4

Left: 0.003+/-0.000 χ^2/NDF: 380992.9/10

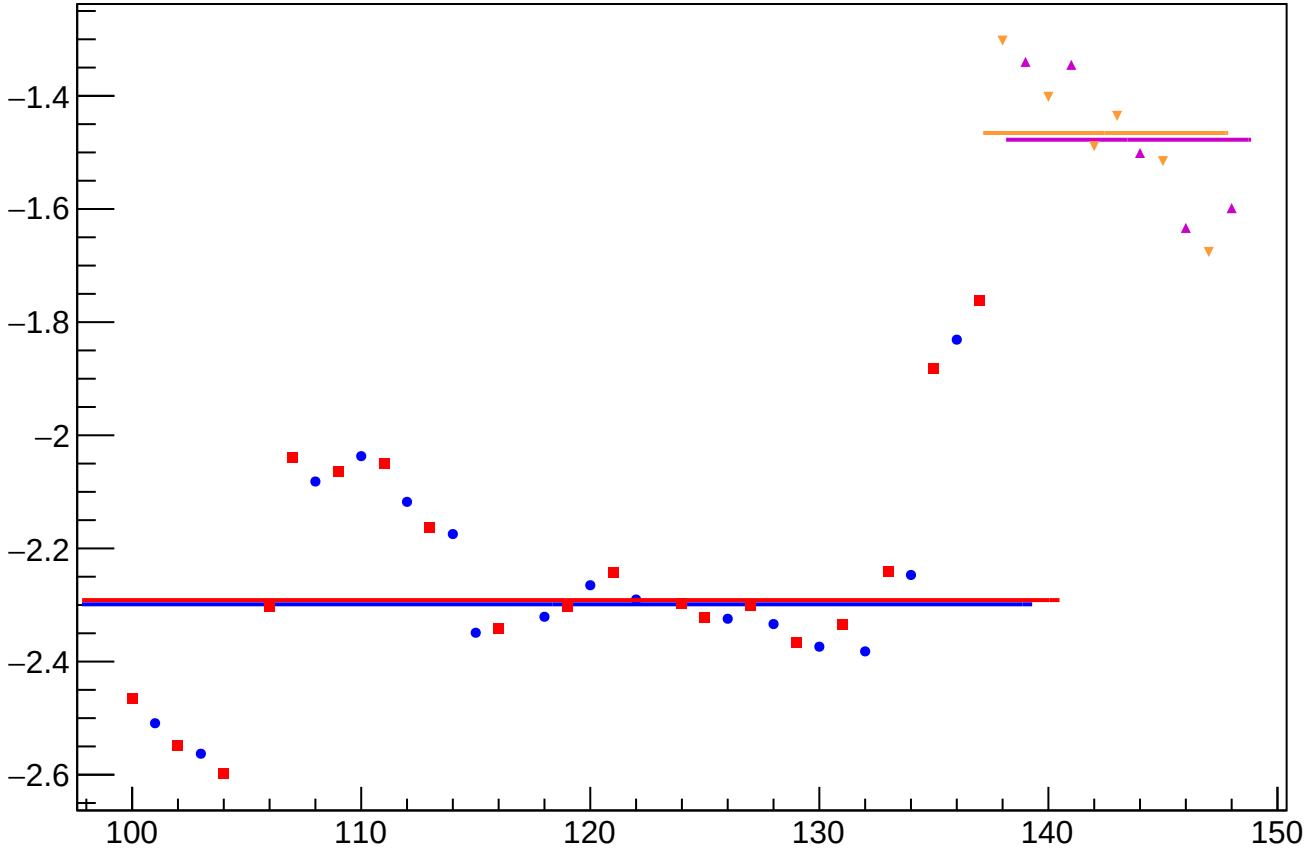
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1673848.0/20

Out: 0.003+/-0.000 χ^2/NDF:1926720.6/24

All: 0.003+/-0.000 χ^2/NDF: 3628618.8/45

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.466+/-0.000 χ^2/NDF:759711462.5/5

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.478+/-0.000 χ^2/NDF:750853159.4/4

Left: -1.471+/-0.000 χ^2/NDF: 1514486920.7/10

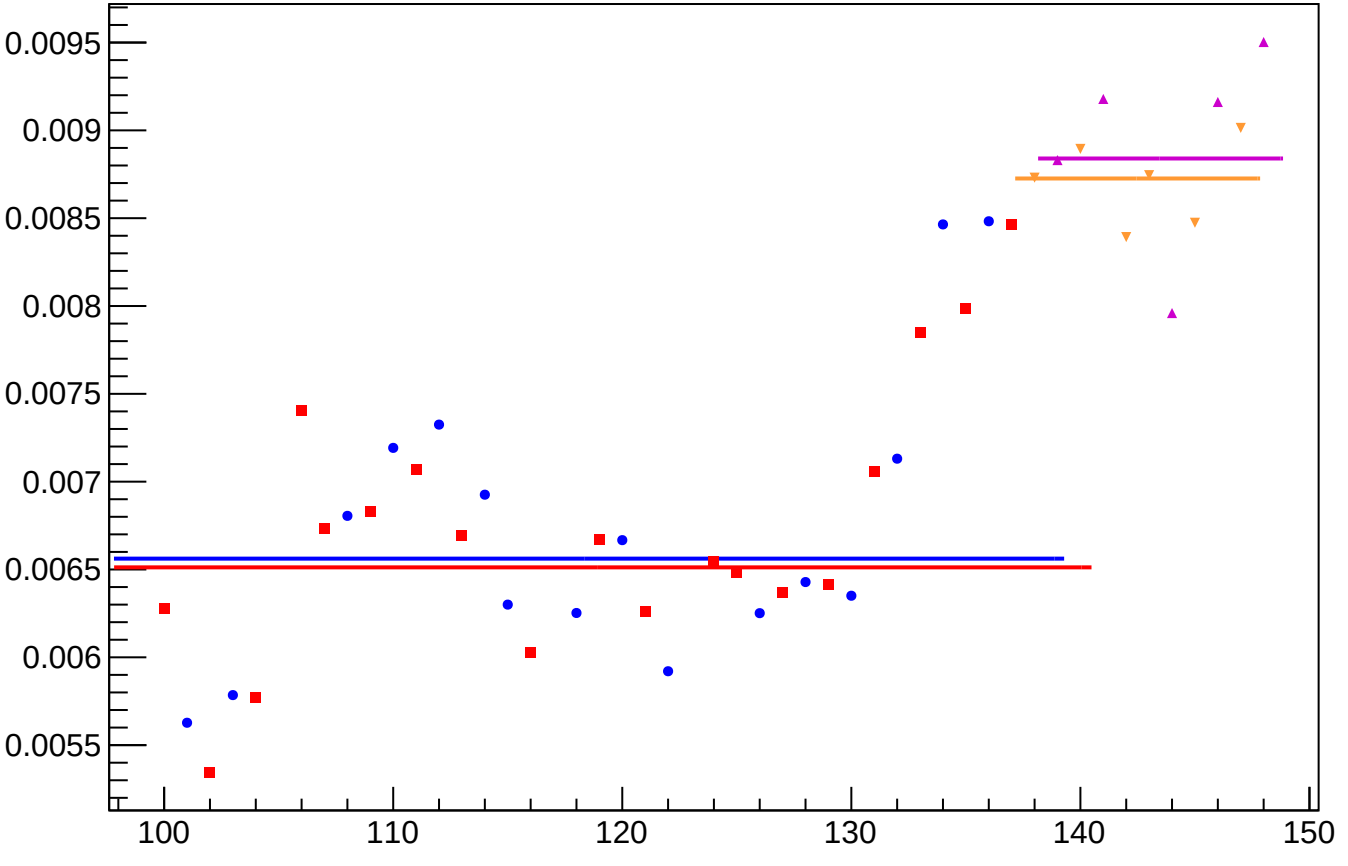
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.095+/-0.000 χ^2/NDF:33815152860.5/20

Out: -2.081+/-0.000 χ^2/NDF:36601110609.9/24

All: -2.088+/-0.000 χ^2/NDF: 70435523409.1/

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:4848.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:33401.8/4

Left: 0.009+/-0.000 χ^2/NDF: 38962.6/10

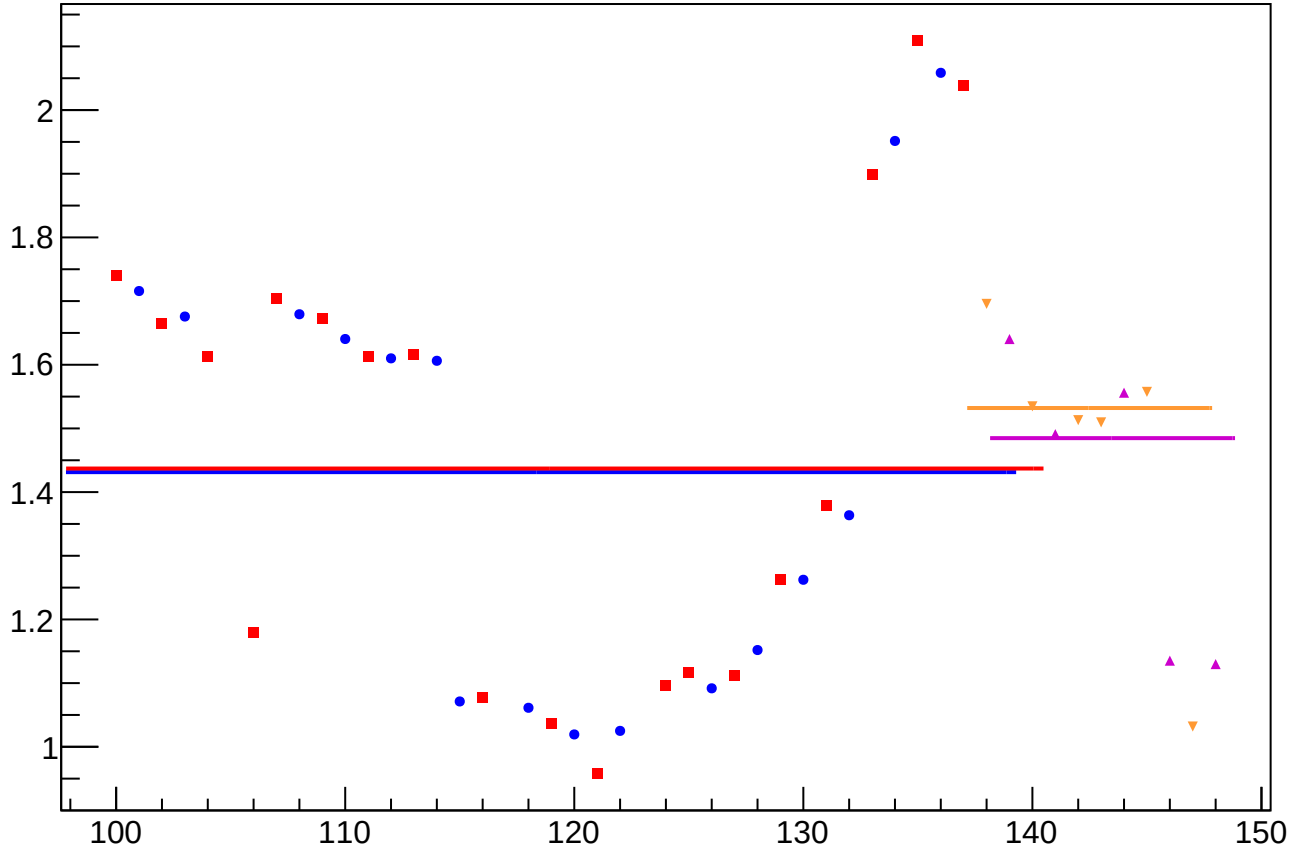
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:669795.4/20

Out: 0.007+/-0.000 χ^2/NDF:606927.6/24

All: 0.007+/-0.000 χ^2/NDF: 1277340.5/45

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.532+/-0.000 χ^2/NDF:4244553134.6/5

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.485+/-0.000 χ^2/NDF:4235550303.9/4

Left: 1.511+/-0.000 χ^2/NDF: 8637682582.1/10

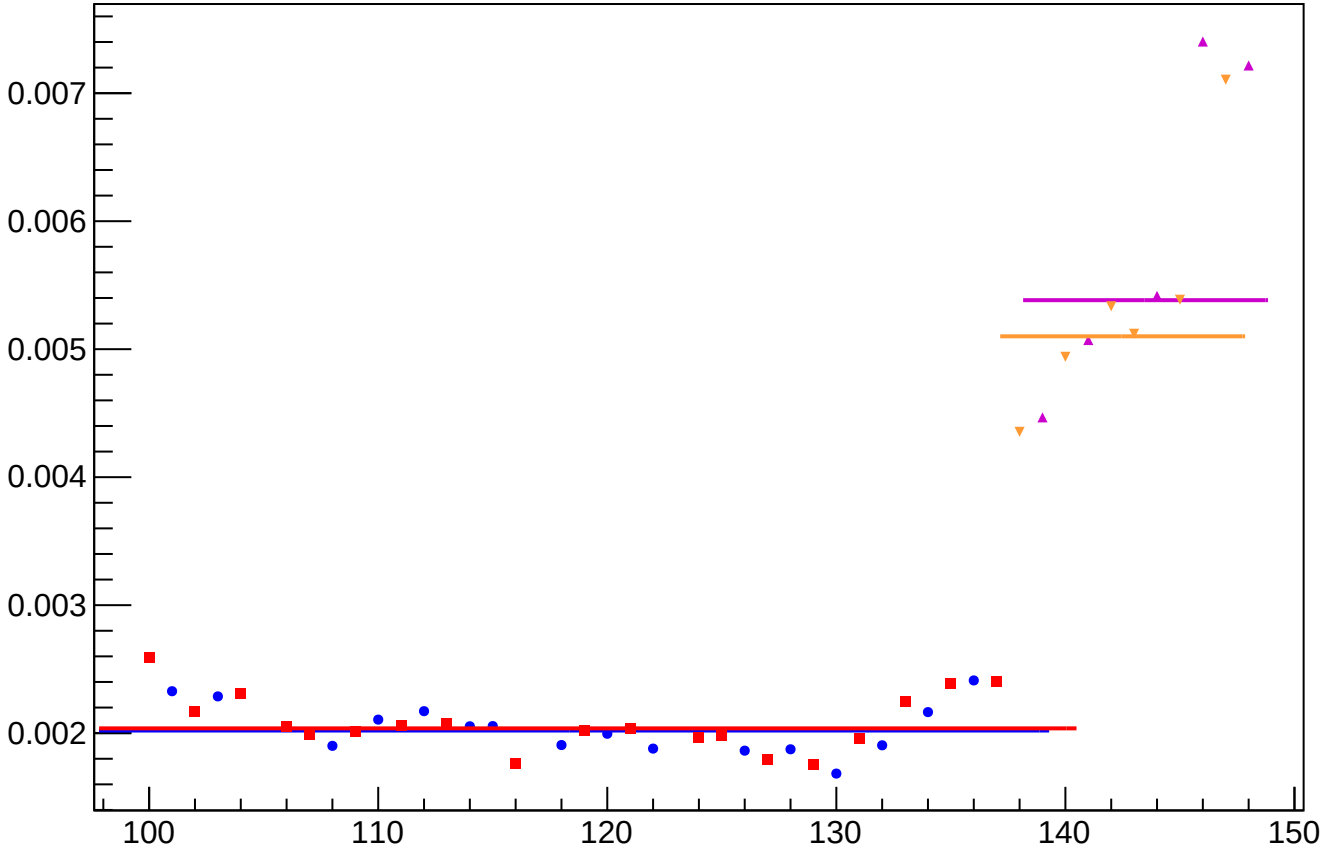
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.435+/-0.000 χ^2/NDF:193757306454.6/20

Out: 1.445+/-0.000 χ^2/NDF:187541589793.3/24

All: 1.440+/-0.000 χ^2/NDF: 381387208833.6

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:152509.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:259683.4/4

Left: 0.005+/-0.000 χ^2/NDF: 423420.2/10

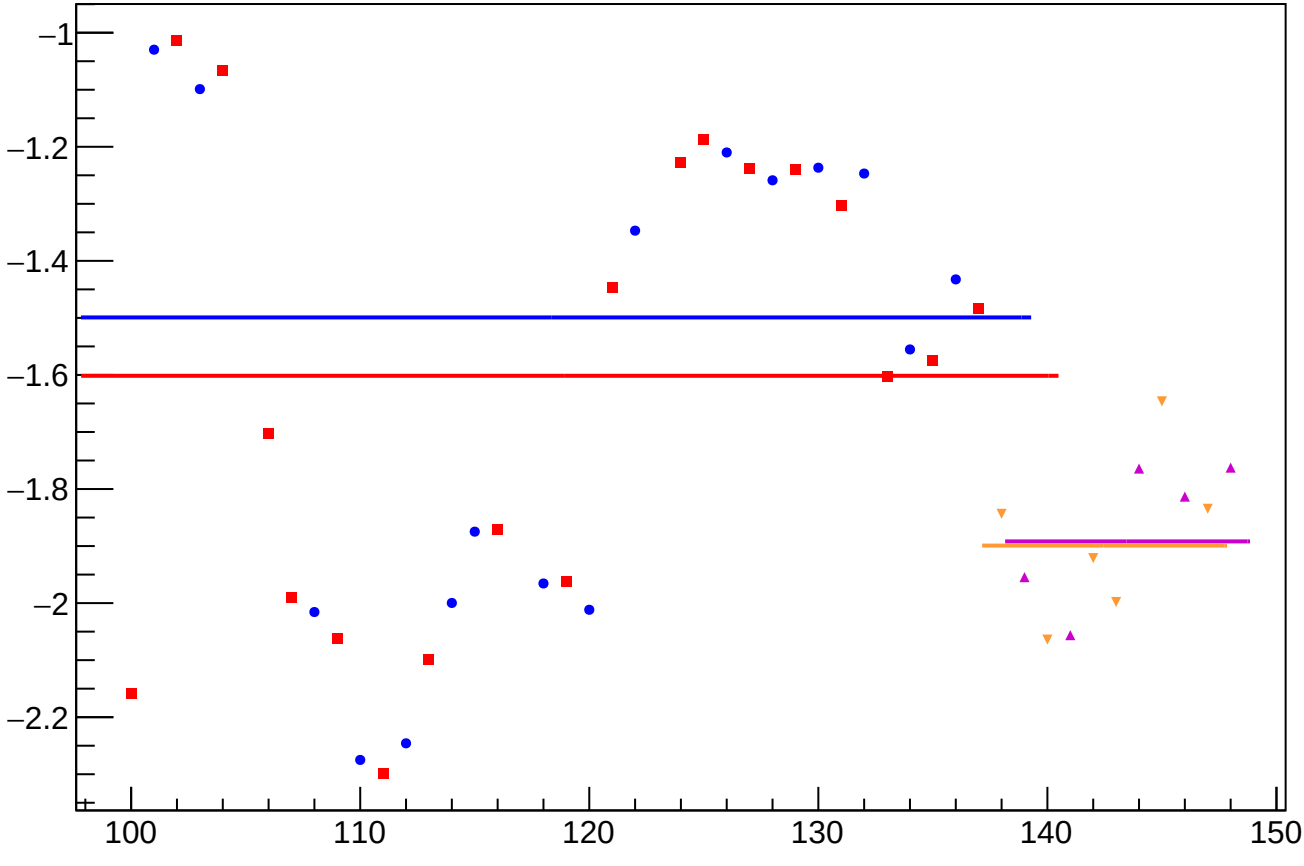
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:3117981.2/20

Out: 0.002+/-0.000 χ^2/NDF:2920554.0/24

All: 0.002+/-0.000 χ^2/NDF: 6040728.1/45

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.899+/-0.000 χ^2/NDF:2544589556.3/5

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.892+/-0.000 χ^2/NDF:1622404603.8/4

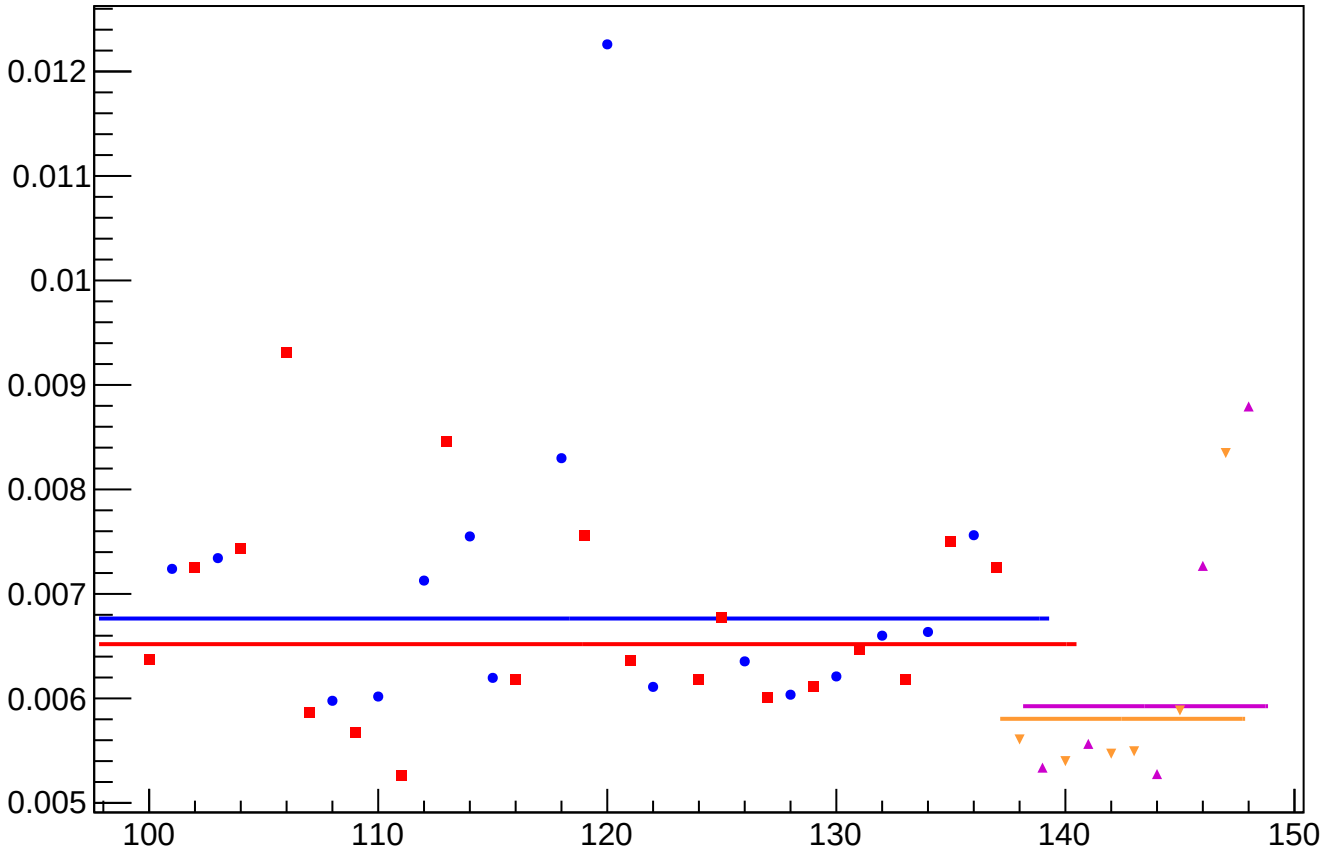
Left: -1.896+/-0.000 χ^2/NDF: 4170174505.3/10

Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.672+/-0.000 χ^2/NDF:34201287885.5/20

Out: -1.731+/-0.000 χ^2/NDF:37132683249.4/24

All: -1.704+/-0.000 χ^2/NDF: 71797277817.1/



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:158605.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:263891.4/4

Left: 0.006+/-0.000 χ^2/NDF: 424219.5/10

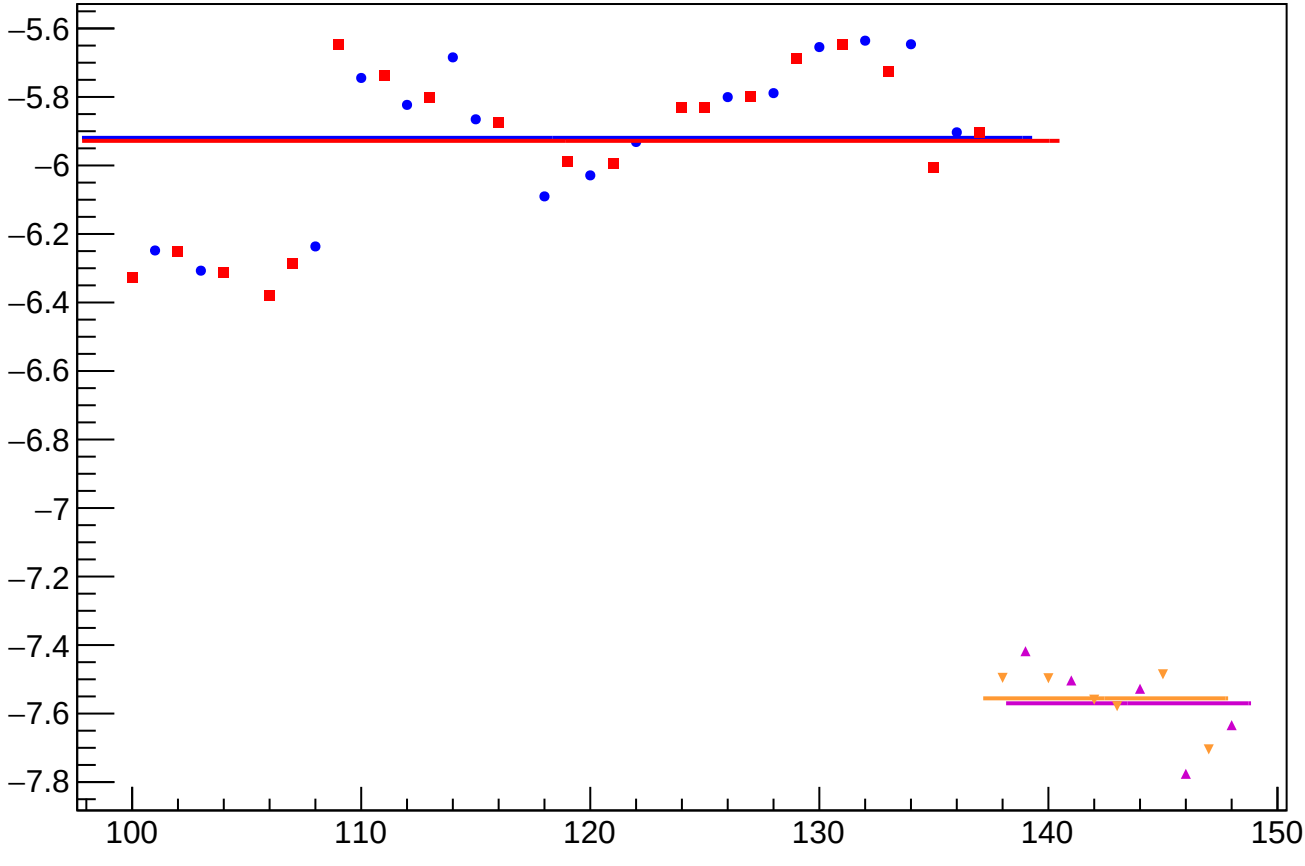
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:590589.0/20

Out: 0.006+/-0.000 χ^2/NDF:476220.6/24

All: 0.006+/-0.000 χ^2/NDF: 1076140.8/45

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.556+/-0.000 χ^2/NDF:237310298.5/5

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.570+/-0.000 χ^2/NDF:525674894.9/4

Left: -7.563+/-0.000 χ^2/NDF: 766621441.3/10

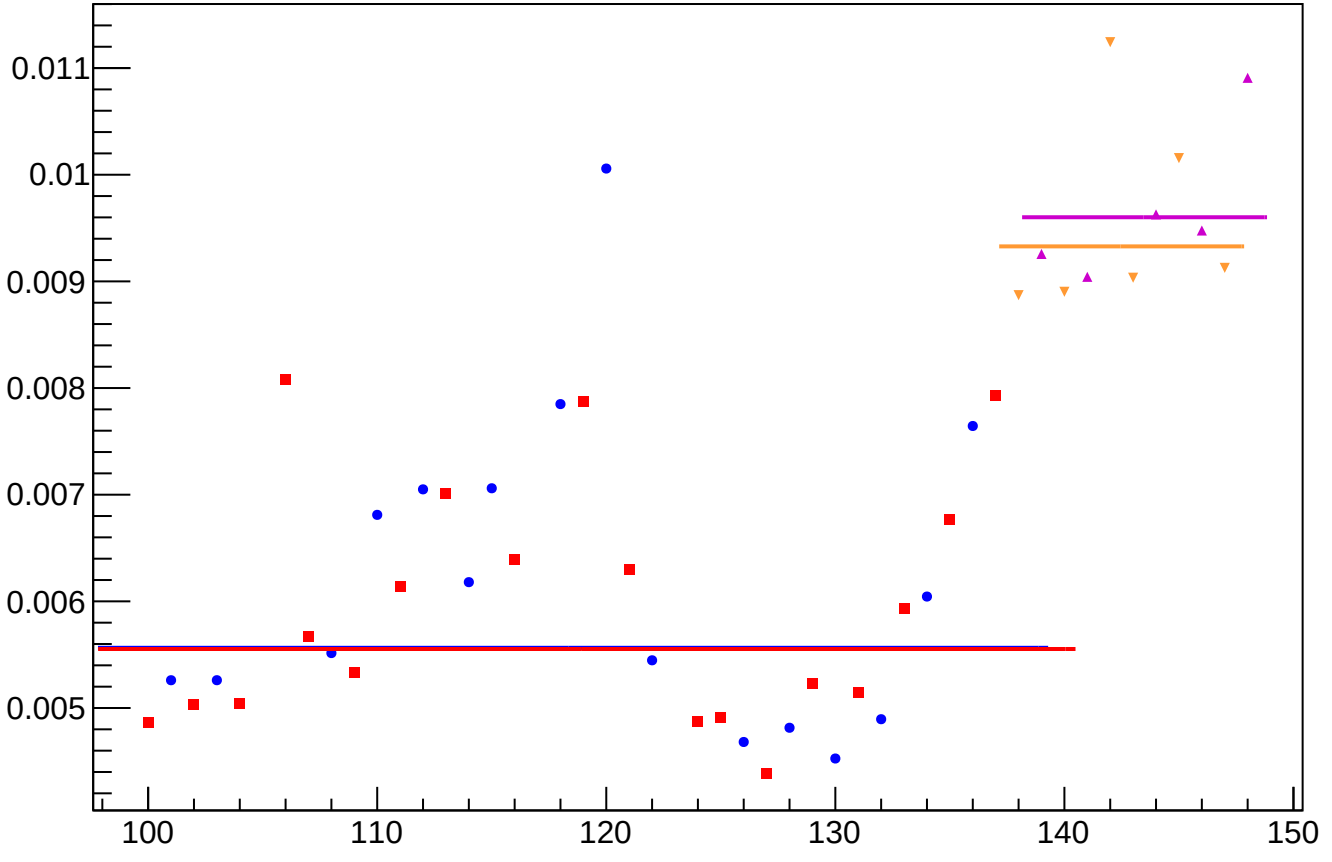
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.160+/-0.000 χ^2/NDF:91067919384.1/20

Out: -6.165+/-0.000 χ^2/NDF:93973461587.4/24

All: -6.163+/-0.000 χ^2/NDF: 185043623849.

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:33256.5/5

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:25090.5/4

Left: 0.009+/-0.000 χ^2/NDF: 60945.4/10

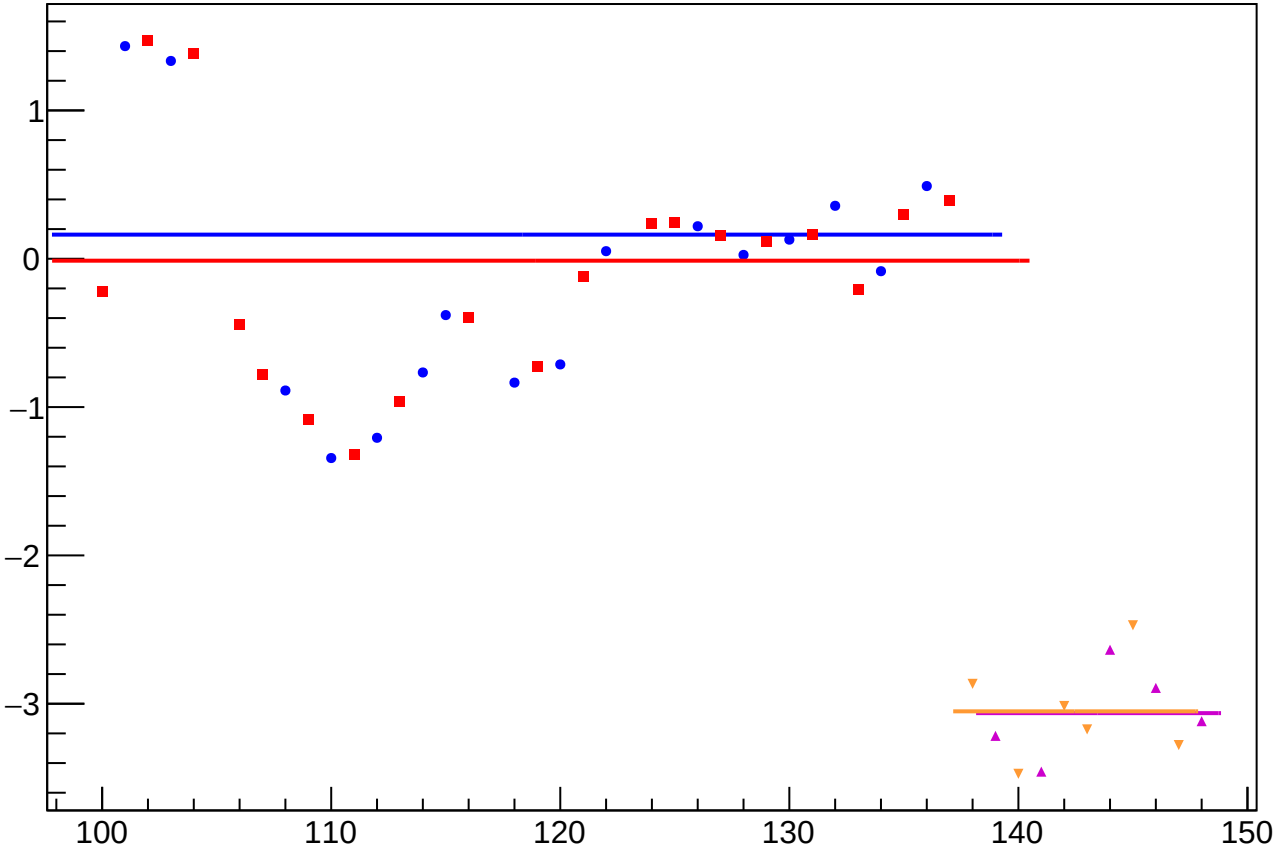
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1463315.7/20

Out: 0.006+/-0.000 χ^2/NDF:1270395.7/24

All: 0.006+/-0.000 χ^2/NDF: 2734350.8/45

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.051+/-0.000 χ^2/NDF:1333946063.3/5

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.063+/-0.000 χ^2/NDF:1017998573.9/4

Left: -3.057+/-0.000 χ^2/NDF: 2352771171.0/10

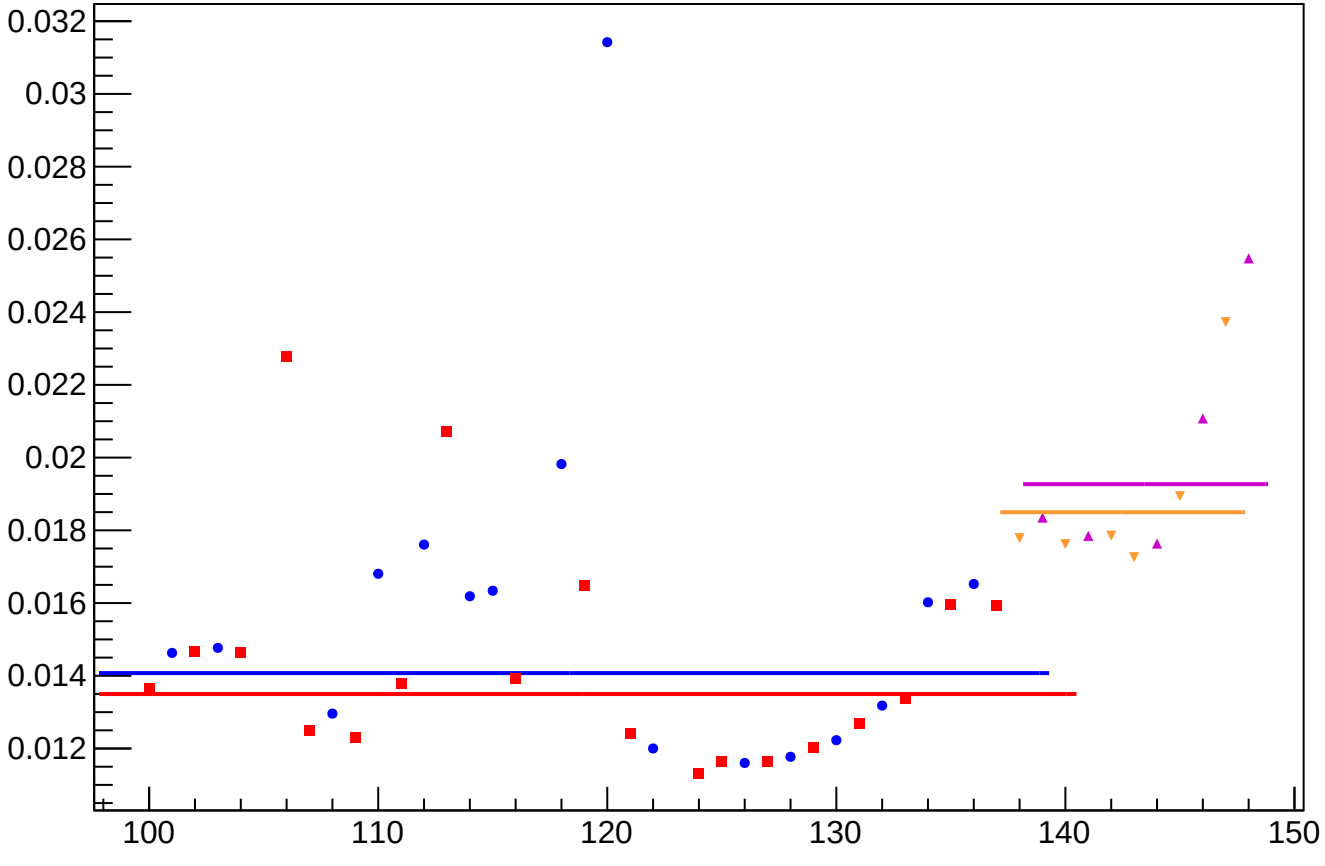
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.648+/-0.000 χ^2/NDF:102234542143.1/20

Out: -0.758+/-0.000 χ^2/NDF:107975494994.3/24

All: -0.707+/-0.000 χ^2/NDF: 210484999908.0

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:88637.6/5

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:130069.9/4

Left: 0.019+/-0.000 χ^2/NDF: 225451.3/10

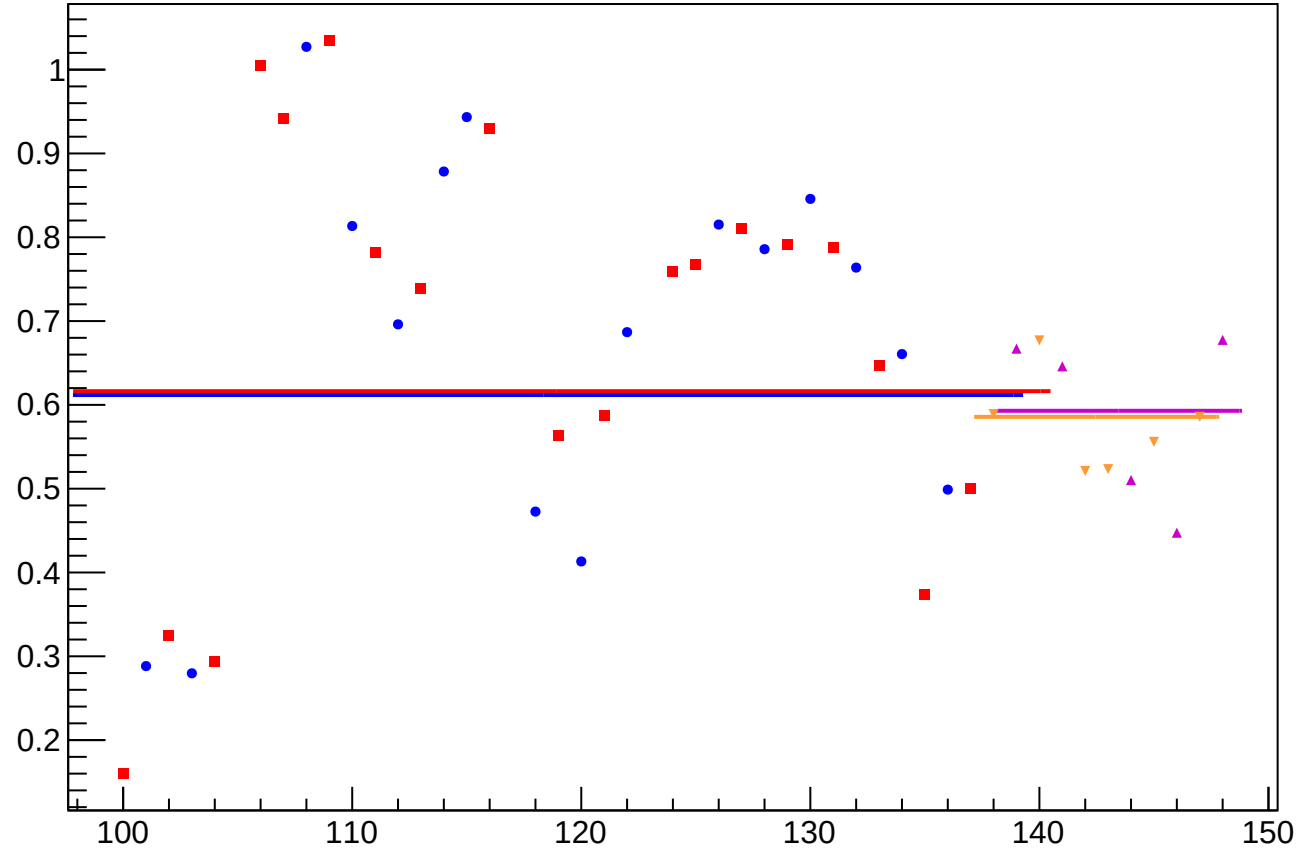
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:1027399.7/20

Out: 0.015+/-0.000 χ^2/NDF:859214.7/24

All: 0.015+/-0.000 χ^2/NDF: 1906237.7/45

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.586+/-0.000 χ^2/NDF:162278562.7/5

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.593+/-0.000 χ^2/NDF:406638689.5/4

Left: 0.589+/-0.000 χ^2/NDF: 570275987.9/10

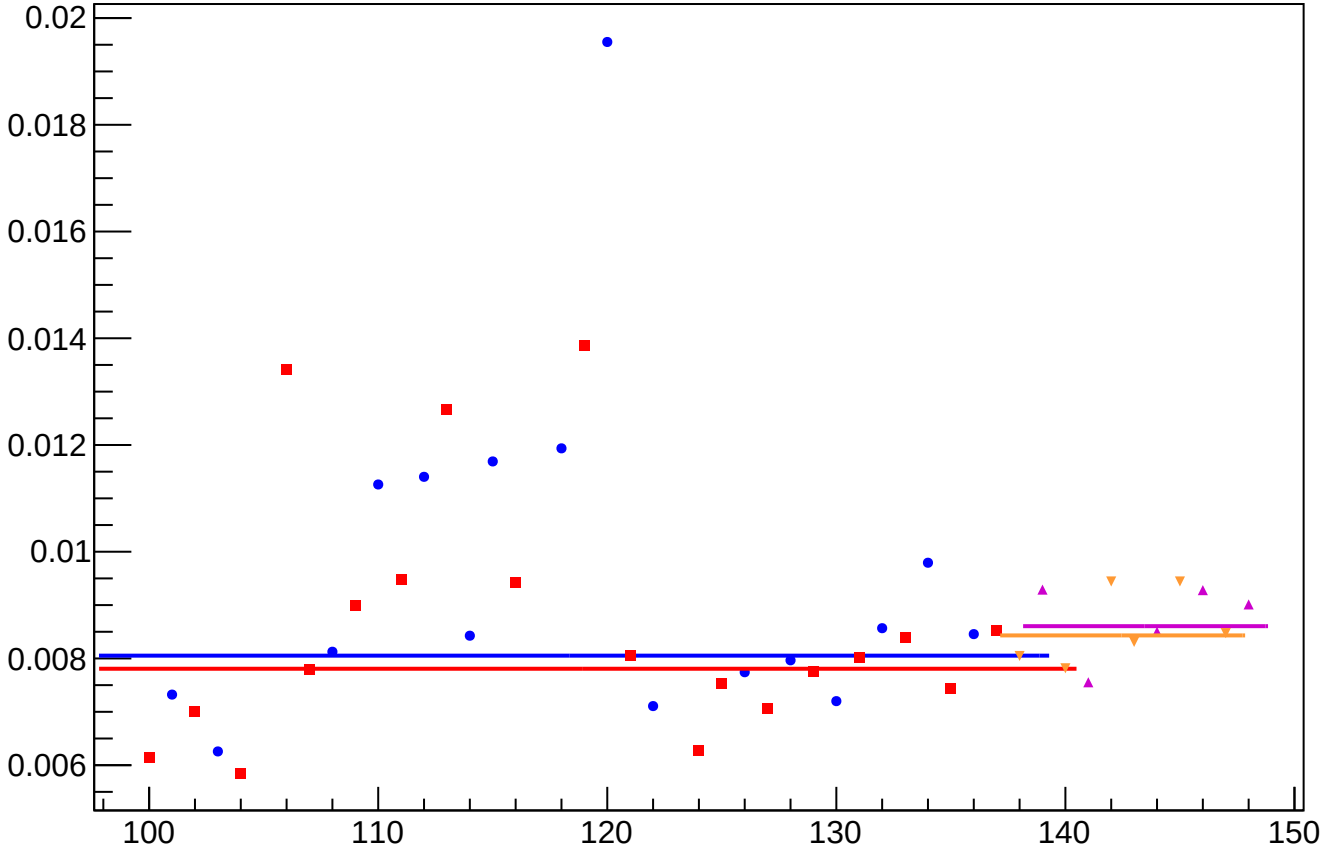
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.605+/-0.000 χ^2/NDF:6057361204.8/20

Out: 0.606+/-0.000 χ^2/NDF:6614965588.2/24

All: 0.606+/-0.000 χ^2/NDF: 12672381491.1/4

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:36263.4/5

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:49216.4/4

Left: 0.009+/-0.000 χ^2/NDF: 87038.9/10

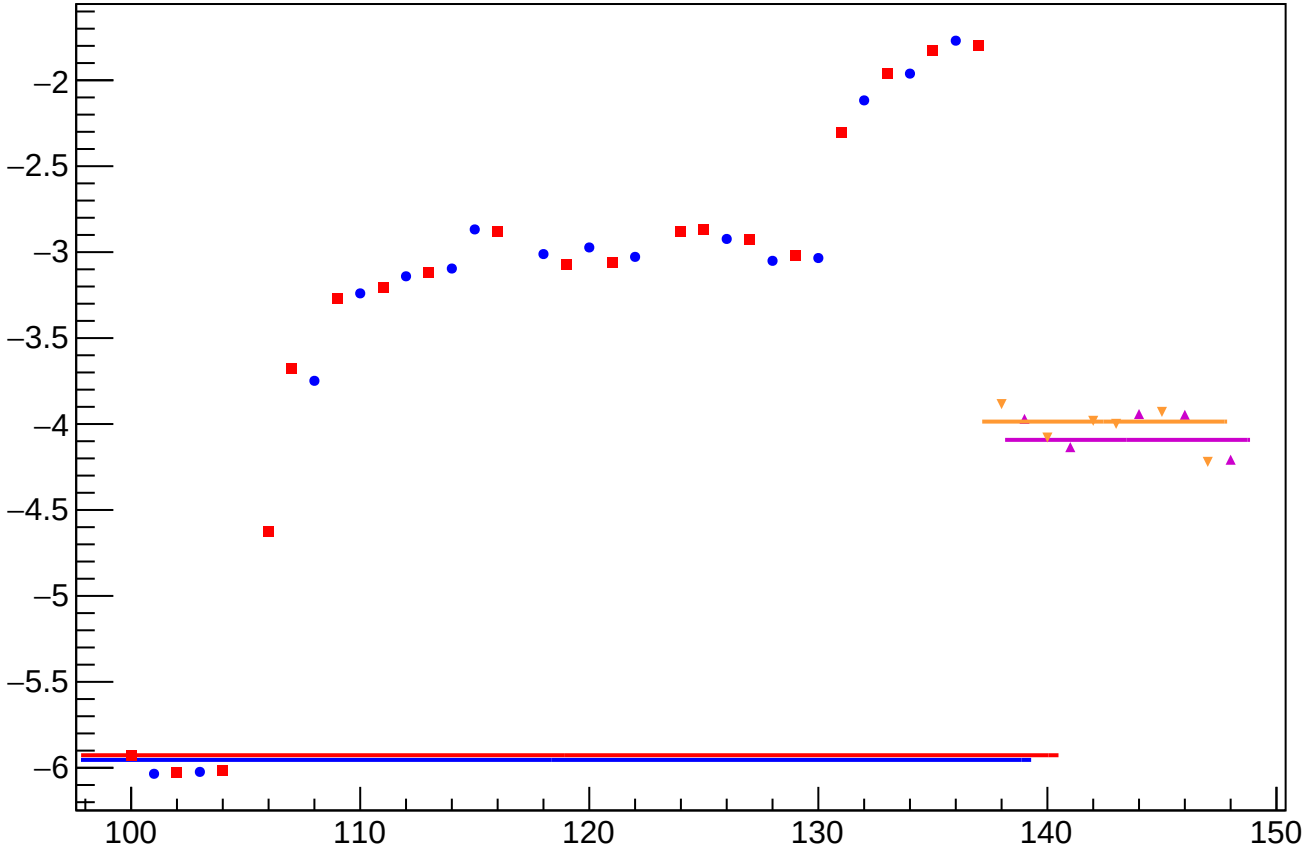
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:667660.1/20

Out: 0.008+/-0.000 χ^2/NDF:651008.3/24

All: 0.008+/-0.000 χ^2/NDF: 1326585.4/45

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.986+/-0.000 χ^2/NDF:4641769.5/5

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.092+/-0.000 χ^2/NDF:6713898.2/4

Left: -4.054+/-0.000 χ^2/NDF: 15324031.9/10

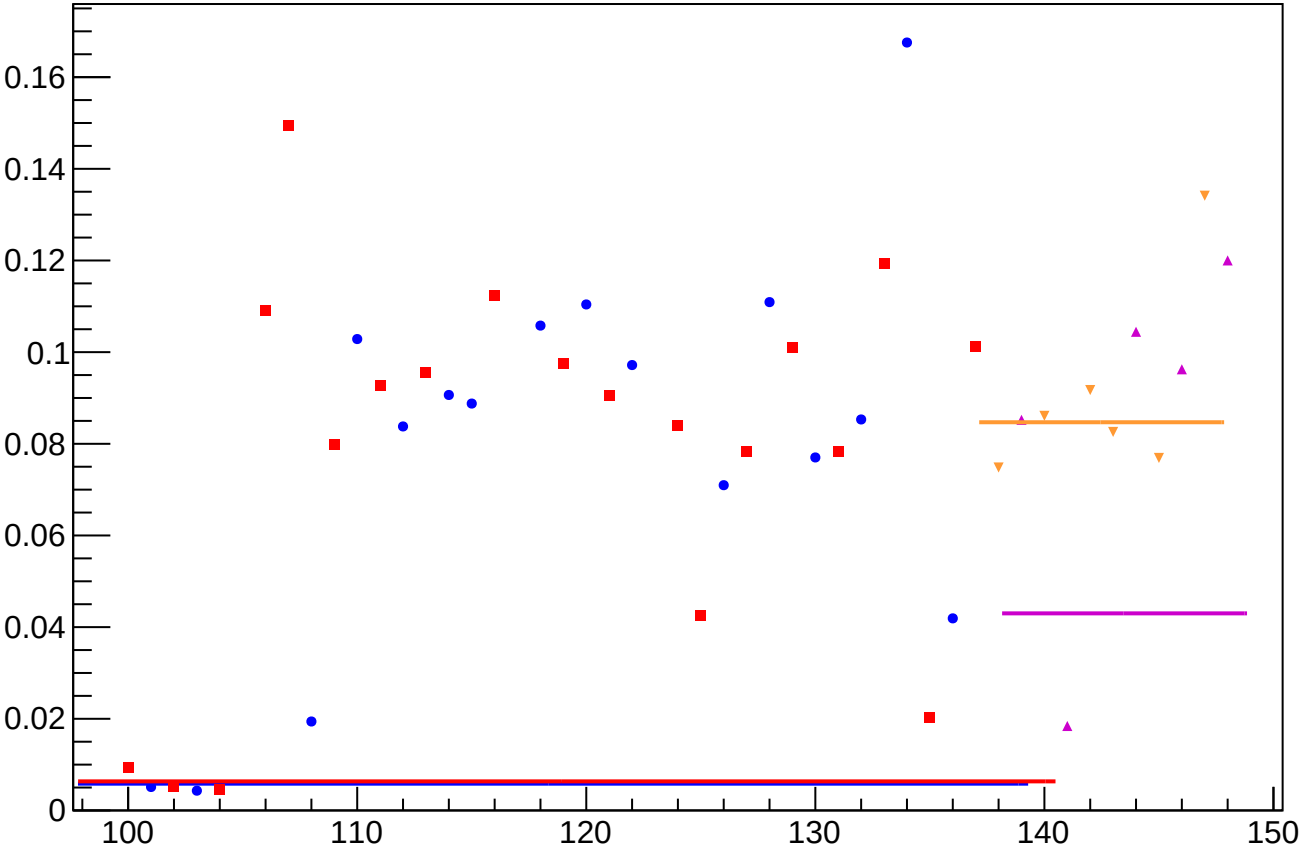
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.919+/-0.000 χ^2/NDF:16439236555.6/20

Out: -5.902+/-0.000 χ^2/NDF:15963851820.1/24

All: -5.912+/-0.000 χ^2/NDF: 32410107650.1/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.085+/-0.000 χ^2/NDF:236200.6/5

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.043+/-0.000 χ^2/NDF:2782573.9/4

Left: 0.058+/-0.000 χ^2/NDF: 4240281.2/10

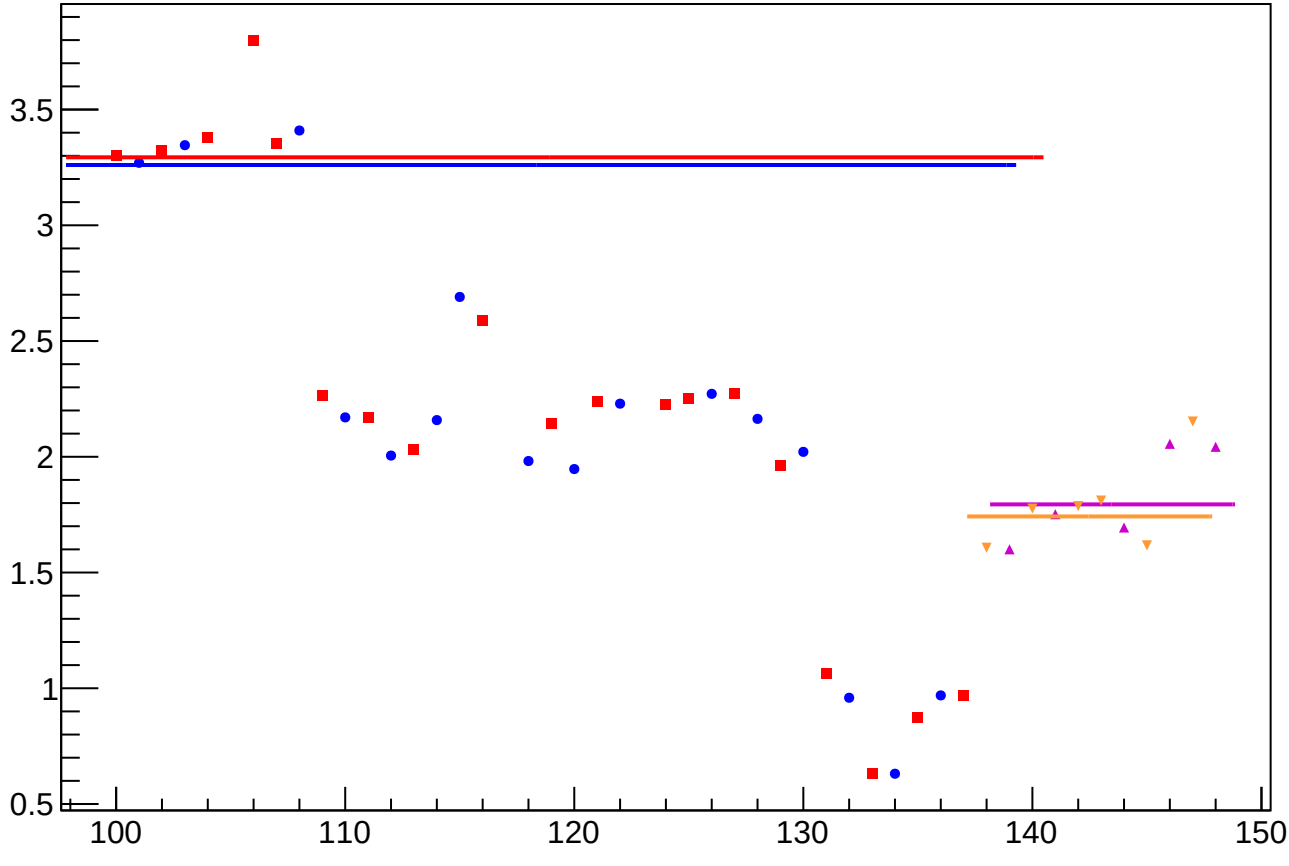
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:14138050.9/20

Out: 0.007+/-0.000 χ^2/NDF:15625296.7/24

All: 0.007+/-0.000 χ^2/NDF: 29794206.7/45

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.742+/-0.000 χ^2/NDF:10343885.5/5

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.794+/-0.000 χ^2/NDF:12021482.2/4

Left: 1.770+/-0.000 χ^2/NDF: 23030678.3/10

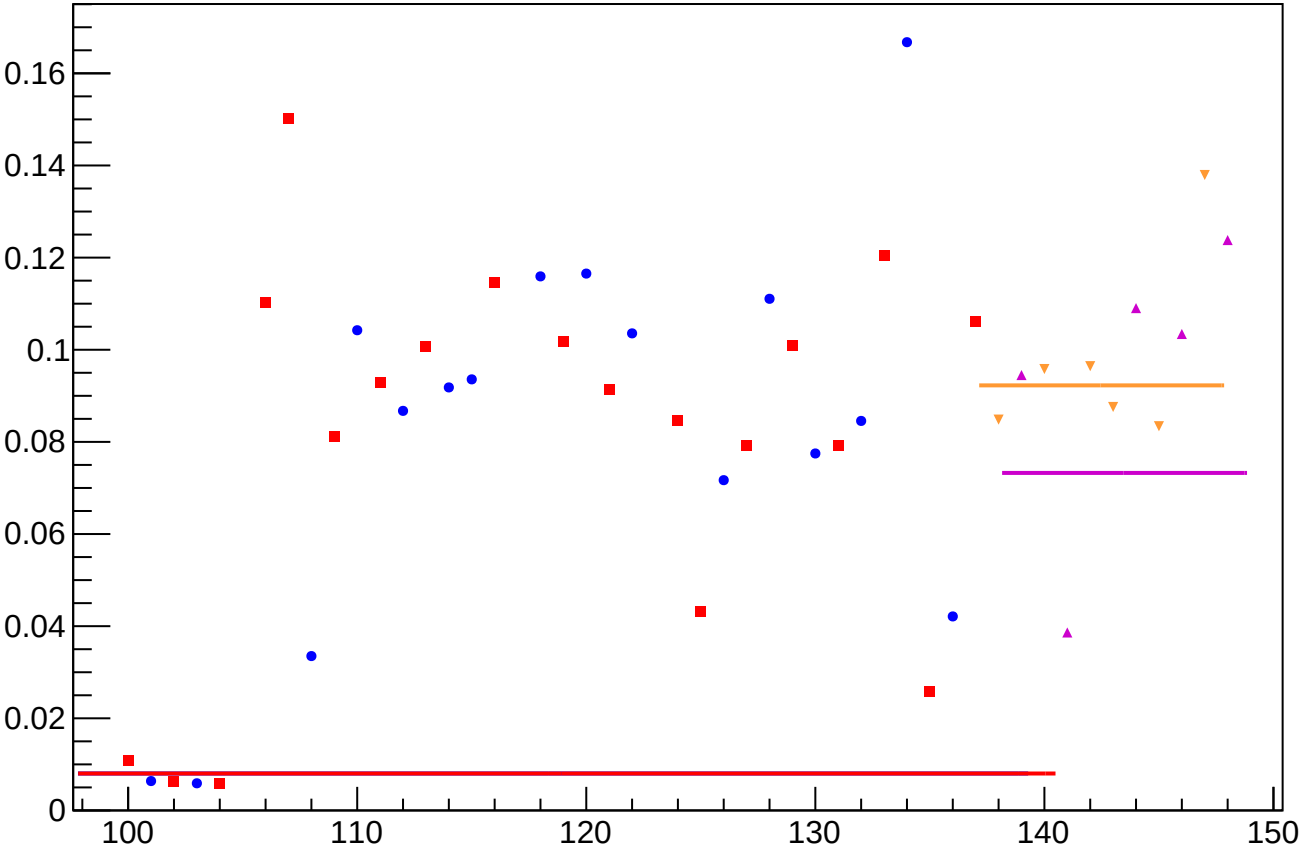
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.237+/-0.000 χ^2/NDF:4112570223.1/20

Out: 3.269+/-0.000 χ^2/NDF:4364108790.0/24

All: 3.252+/-0.000 χ^2/NDF: 8493035589.0/45

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.092+/-0.000 χ^2/NDF:190025.2/5

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.073+/-0.000 χ^2/NDF:1222544.1/4

Left: 0.082+/-0.000 χ^2/NDF: 1589930.0/10

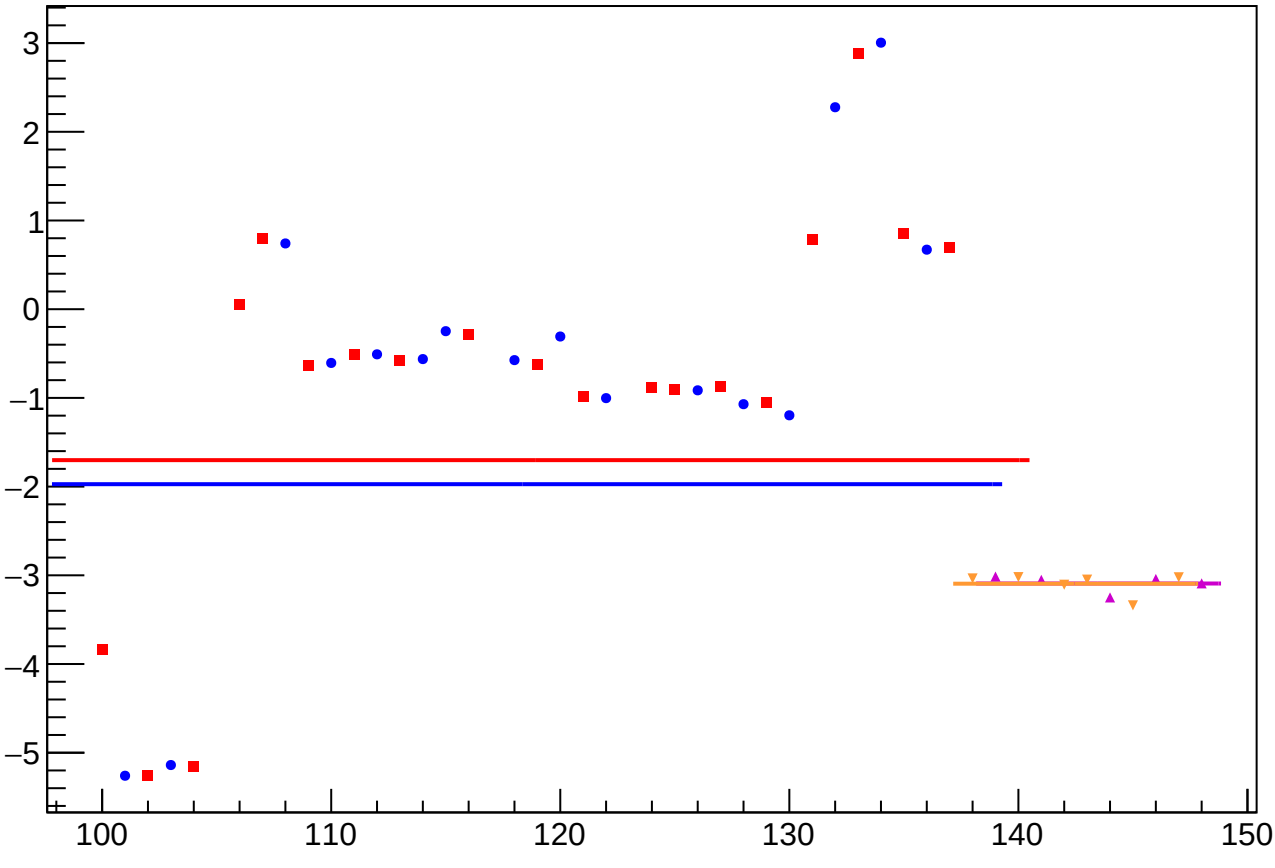
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.009+/-0.000 χ^2/NDF:13958466.9/20

Out: 0.009+/-0.000 χ^2/NDF:15279292.3/24

All: 0.009+/-0.000 χ^2/NDF: 29239785.8/45

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.095+/-0.000 χ^2/NDF:960517268.3/5

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.092+/-0.000 χ^2/NDF:503913568.4/4

Left: -3.094+/-0.000 χ^2/NDF: 1464592880.0/10

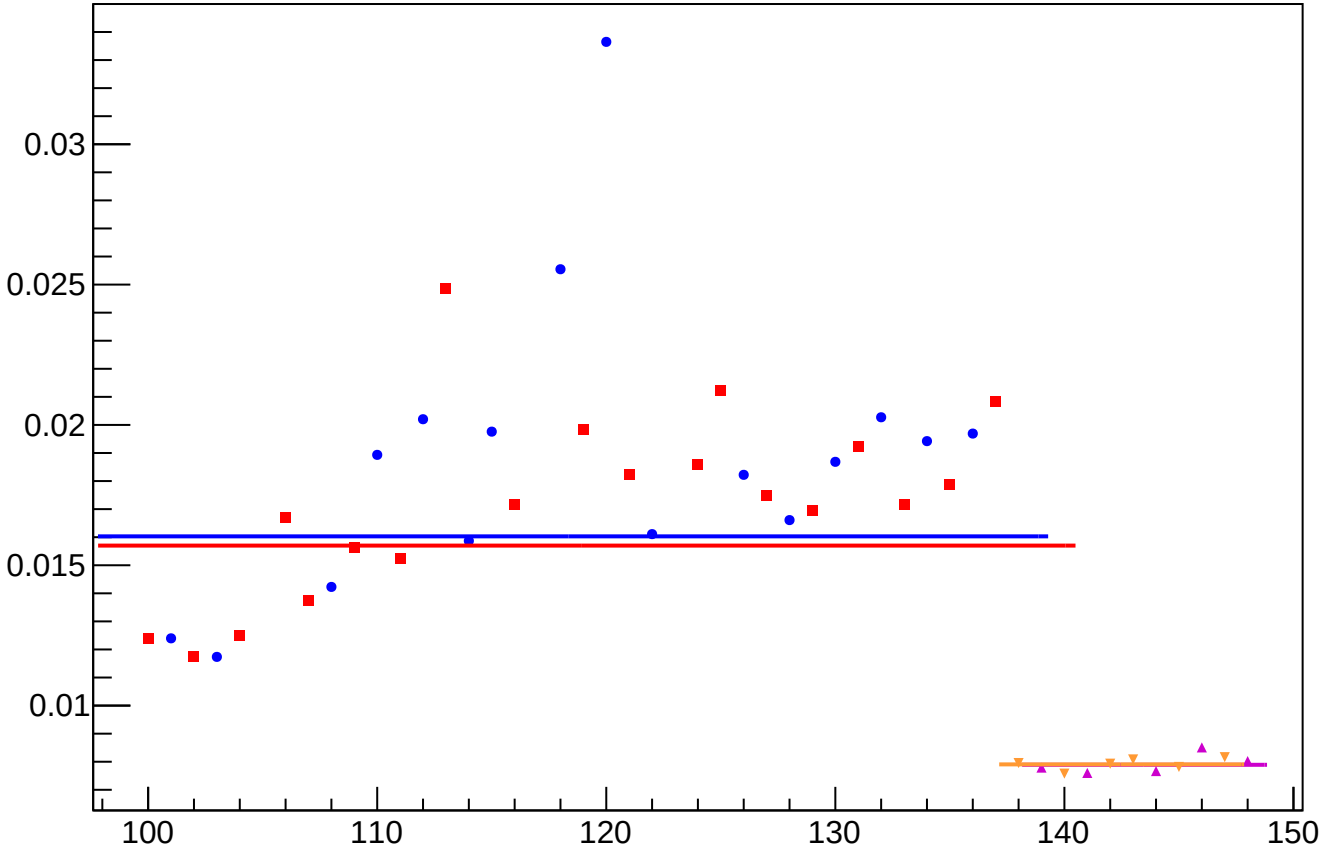
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.810+/-0.000 χ^2/NDF:183728439372.9/20

Out: -2.716+/-0.000 χ^2/NDF:205621837505.1/24

All: -2.762+/-0.000 χ^2/NDF: 389761258462.

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:5700.0/5

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:13801.0/4

Left: 0.008+/-0.000 χ^2/NDF: 19516.3/10

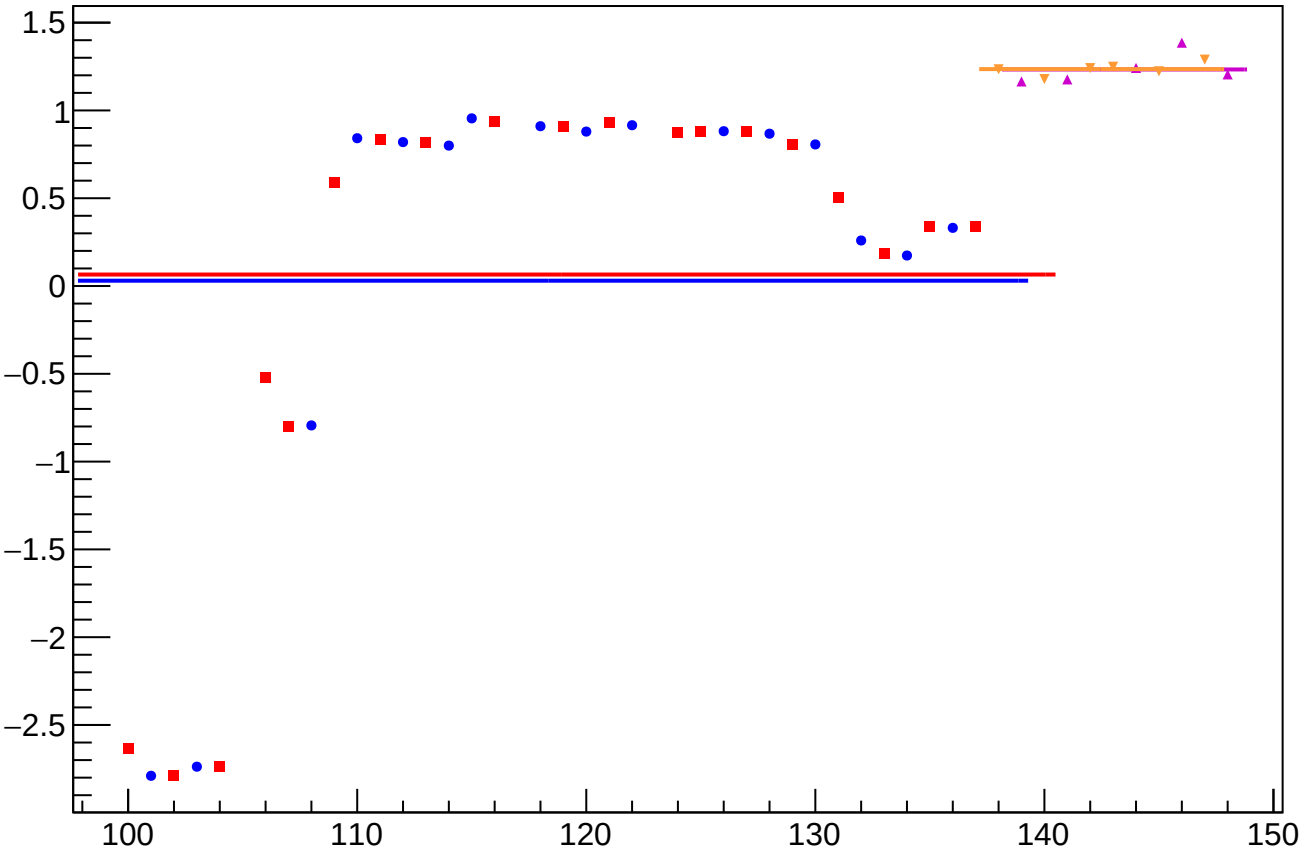
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:2995191.7/20

Out: 0.010+/-0.000 χ^2/NDF:2796898.8/24

All: 0.010+/-0.000 χ^2/NDF: 5792729.0/45

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.235+/-0.000 χ^2/NDF:73491277.9/5

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.233+/-0.000 χ^2/NDF:342840630.4/4

Left: 1.234+/-0.000 χ^2/NDF: 416445113.3/10

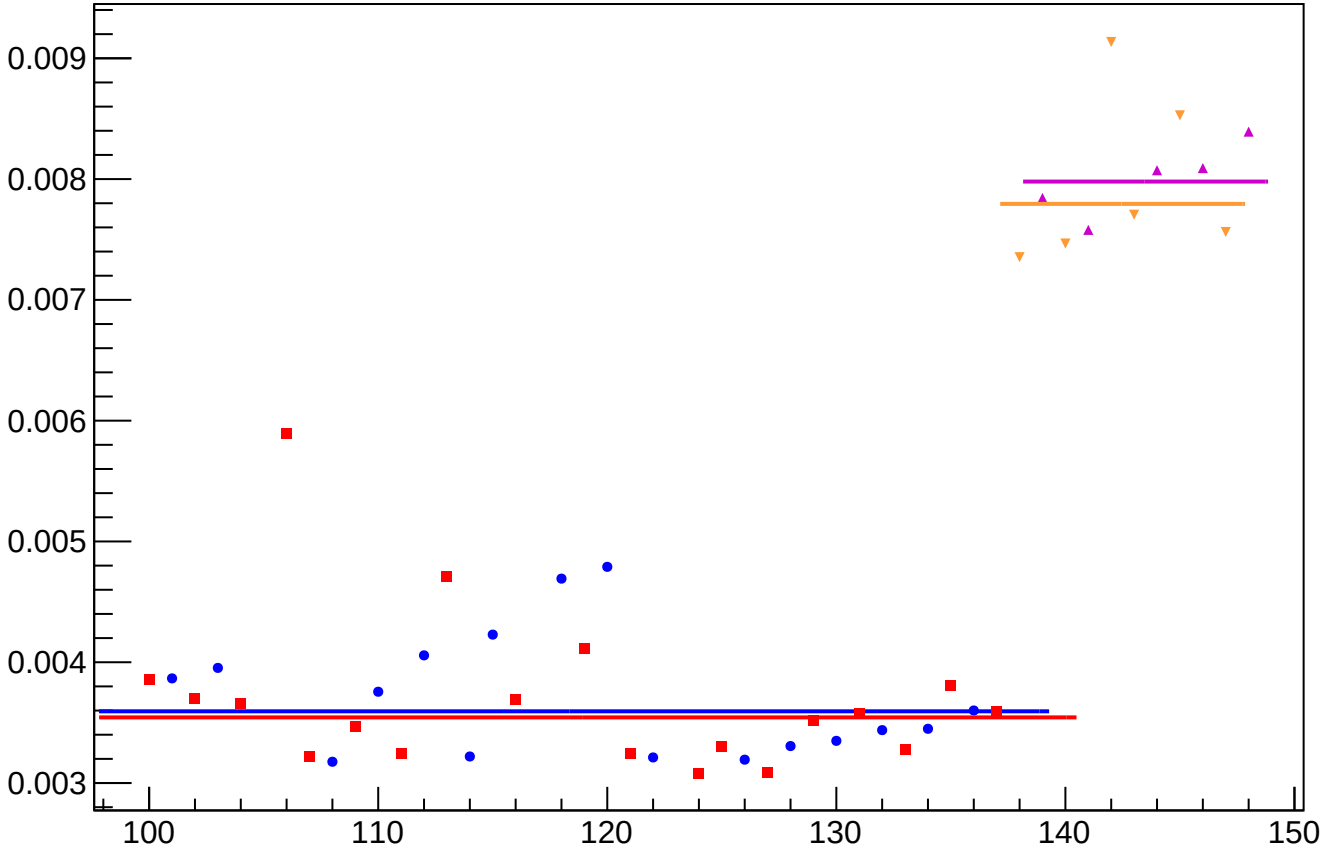
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.145+/-0.000 χ^2/NDF:923751155638.8/20

Out: 0.175+/-0.000 χ^2/NDF:1007018943756.1/24

All: 0.160+/-0.000 χ^2/NDF: 1931034486084.

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:33179.4/5

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:8176.5/4

Left: 0.008+/-0.000 χ^2/NDF: 43269.0/10

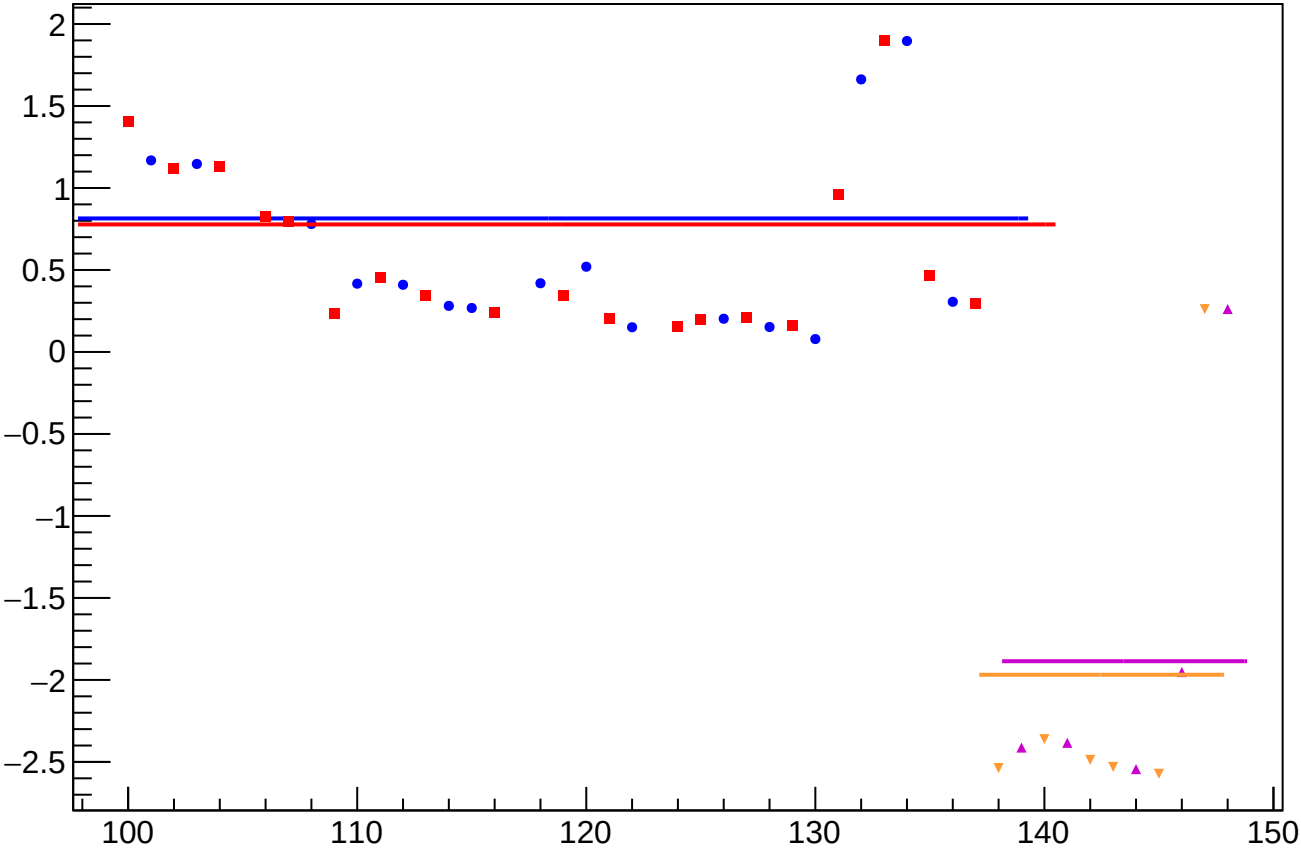
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2094990.9/20

Out: 0.004+/-0.000 χ^2/NDF:2145084.4/24

All: 0.004+/-0.000 χ^2/NDF: 4243067.3/45

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.968+/-0.000 χ^2/NDF:84991787571.0/5

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -1.886+/-0.000 χ^2/NDF:64369369279.6/4

Left: -1.928+/-0.000 χ^2/NDF: 149602038125.9/10

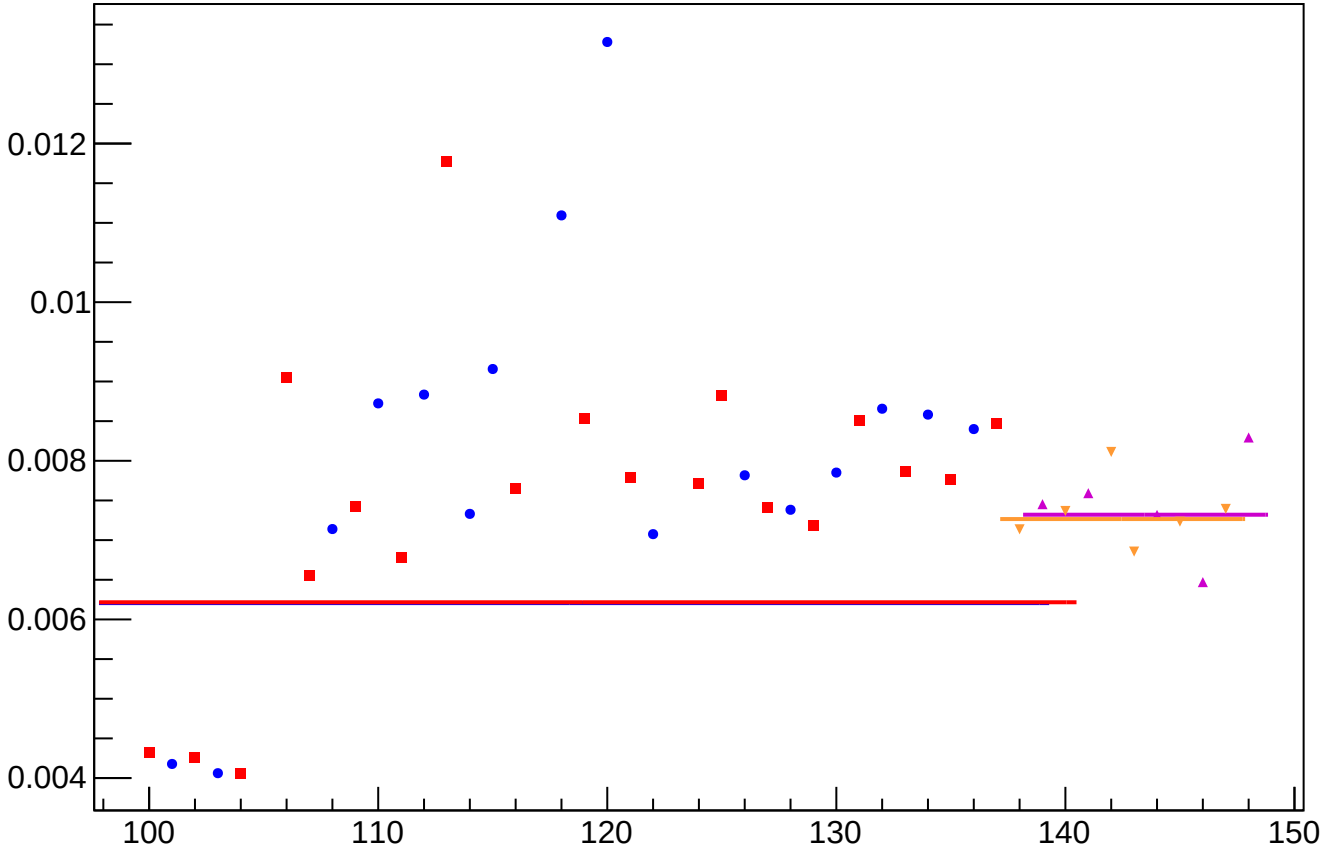
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.069+/-0.000 χ^2/NDF:443807872855.3/20

Out: -0.087+/-0.000 χ^2/NDF:488615730640.2/24

All: -0.078+/-0.000 χ^2/NDF: 932459292525.9

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:13835.3/5

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:50722.2/4

Left: 0.007+/-0.000 χ^2/NDF: 64768.7/10

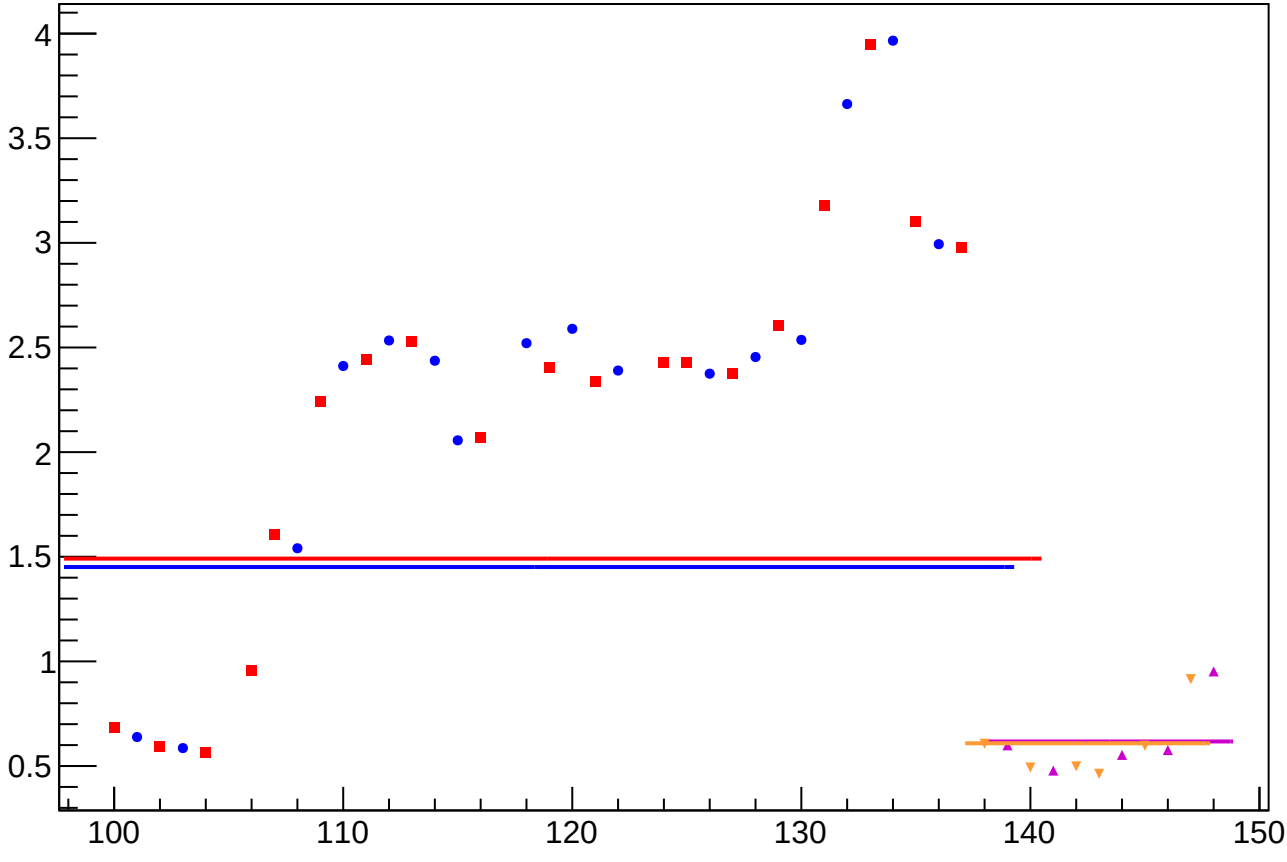
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.007+/-0.000 χ^2/NDF:1591758.3/20

Out: 0.007+/-0.000 χ^2/NDF:1282681.3/24

All: 0.007+/-0.000 χ^2/NDF: 2874563.8/45

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.609+/-0.000 χ^2/NDF:1733512703.6/5

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.617+/-0.000 χ^2/NDF:1591071137.9/4

Left: 0.613+/-0.000 χ^2/NDF: 3327256073.1/10

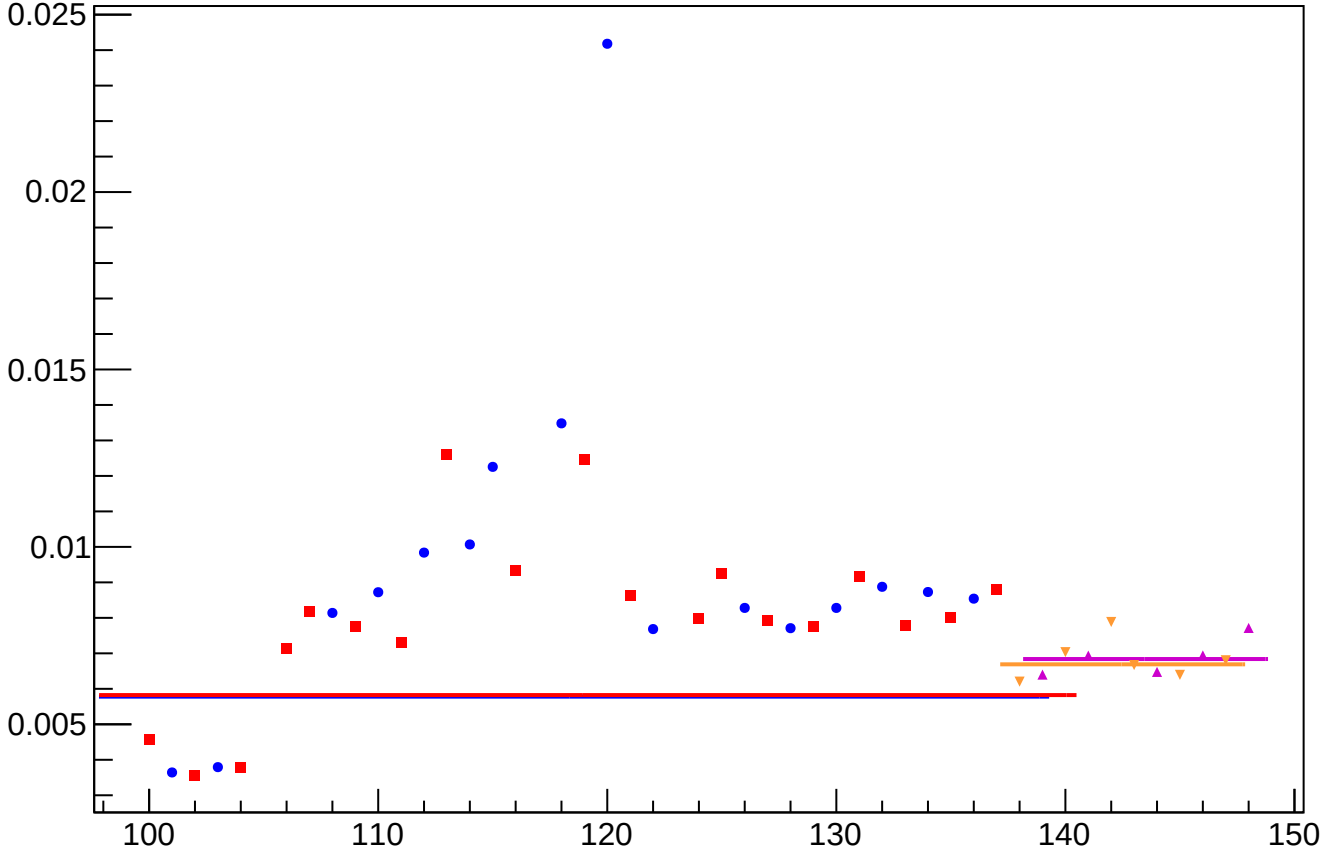
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.188+/-0.000 χ^2/NDF:204100531919.6/20

Out: 1.216+/-0.000 χ^2/NDF:227804058234.7/24

All: 1.203+/-0.000 χ^2/NDF: 431998640892.9

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:27938.0/5

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:27502.8/4

Left: 0.007+/-0.000 χ^2/NDF: 57026.8/10

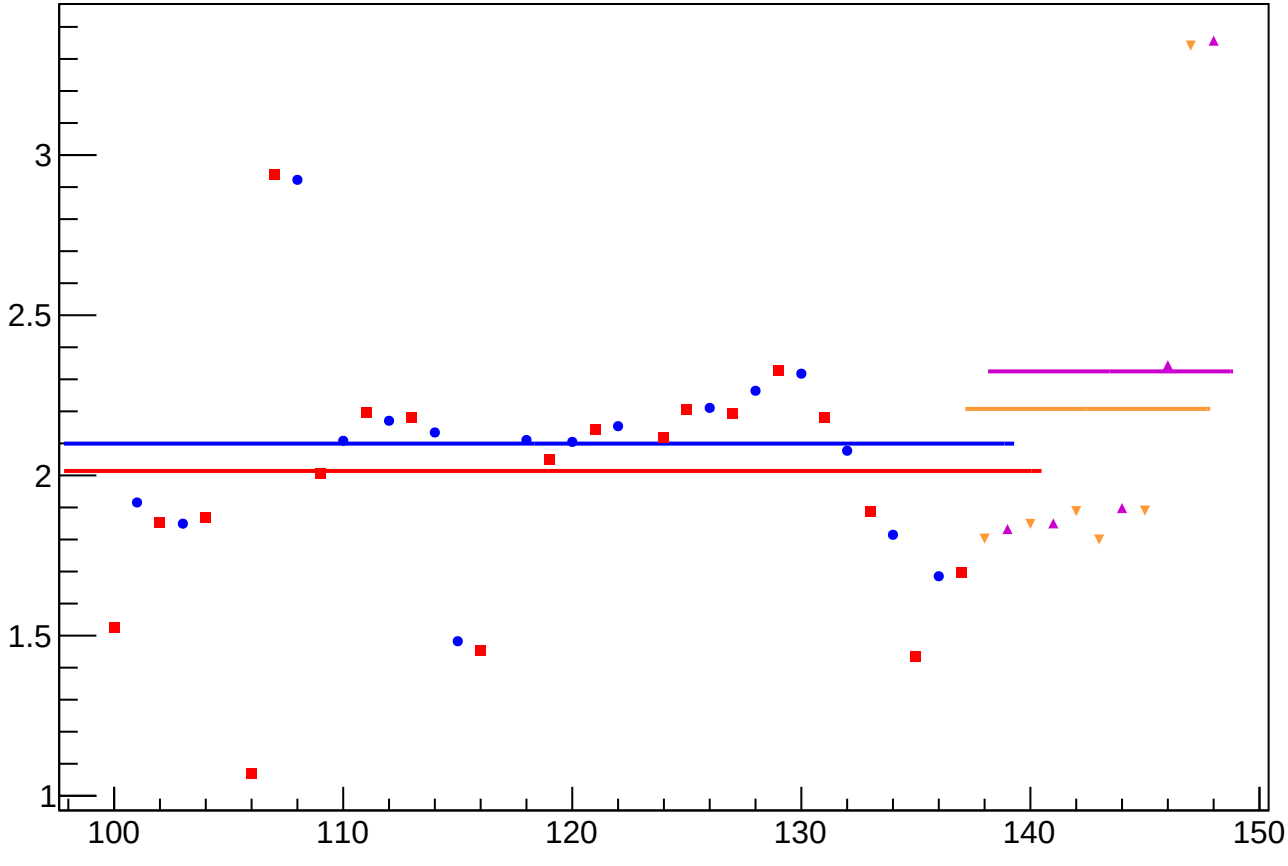
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2347578.2/20

Out: 0.006+/-0.000 χ^2/NDF:2059123.0/24

All: 0.006+/-0.000 χ^2/NDF: 4406805.9/45

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.208+/-0.000 χ^2/NDF:22966236067.9/5

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.325+/-0.000 χ^2/NDF:20500018596.9/4

Left: 2.267+/-0.000 χ^2/NDF: 43845906113.4/10

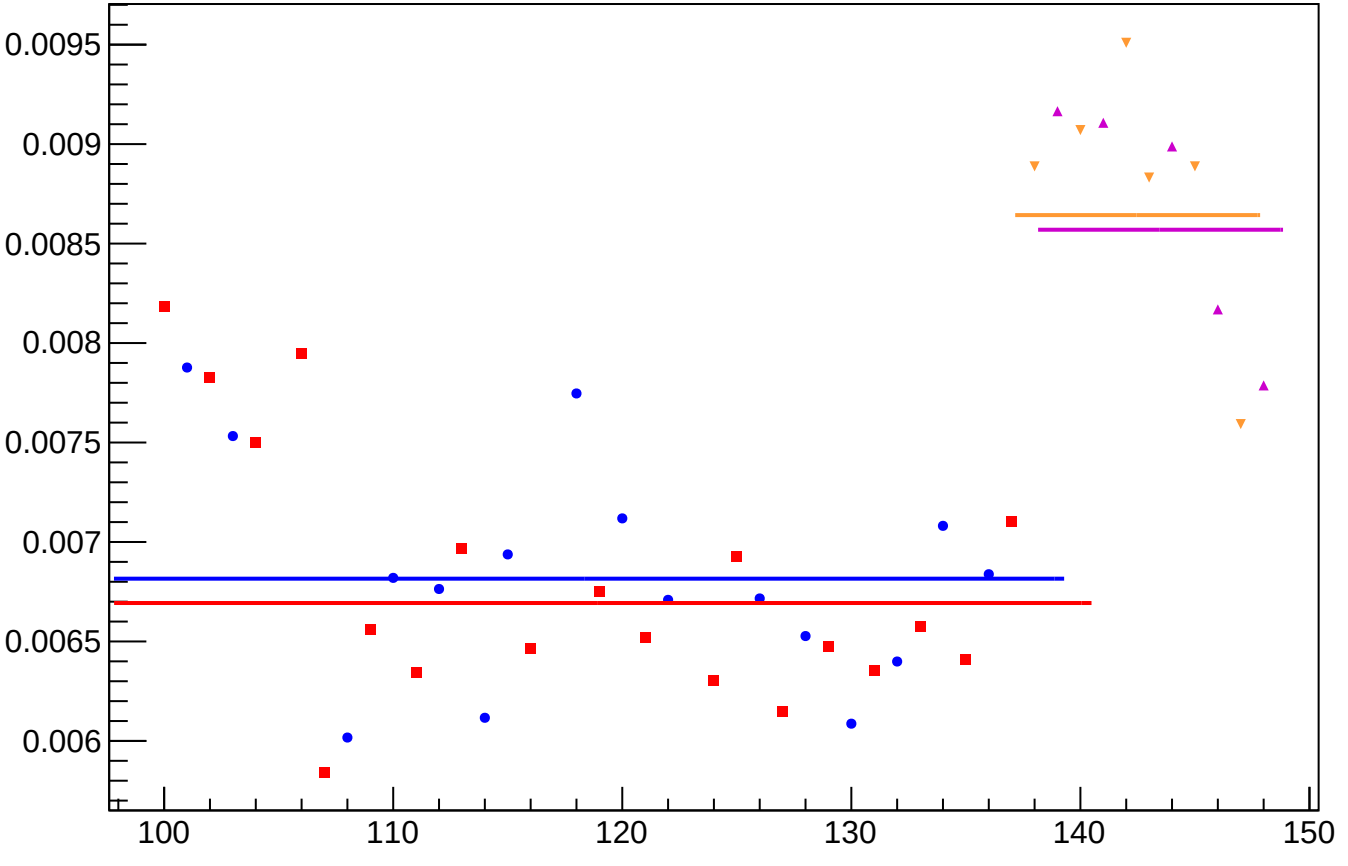
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.161+/-0.000 χ^2/NDF:36482921240.2/20

Out: 2.064+/-0.000 χ^2/NDF:44120179559.1/24

All: 2.111+/-0.000 χ^2/NDF: 81594576721.0/4

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:42689.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:36361.0/4

Left: 0.009+/-0.000 χ^2/NDF: 79350.1/10

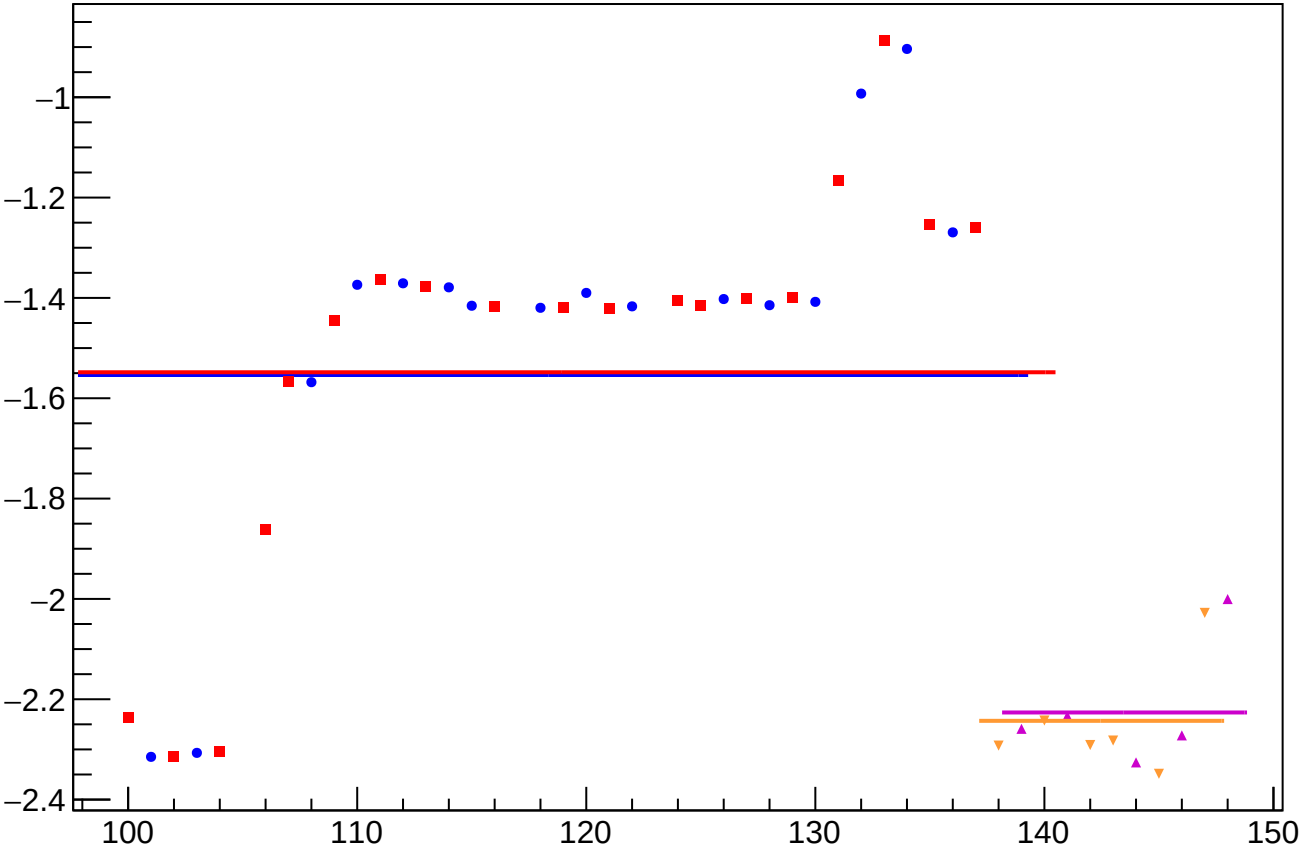
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:371891.9/20

Out: 0.007+/-0.000 χ^2/NDF:442187.8/24

All: 0.007+/-0.000 χ^2/NDF: 816314.3/45

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.243+/-0.000 χ^2/NDF:4200911692.5/5

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.226+/-0.000 χ^2/NDF:4271763369.8/4

Left: -2.235+/-0.000 χ^2/NDF: 8524748794.9/10

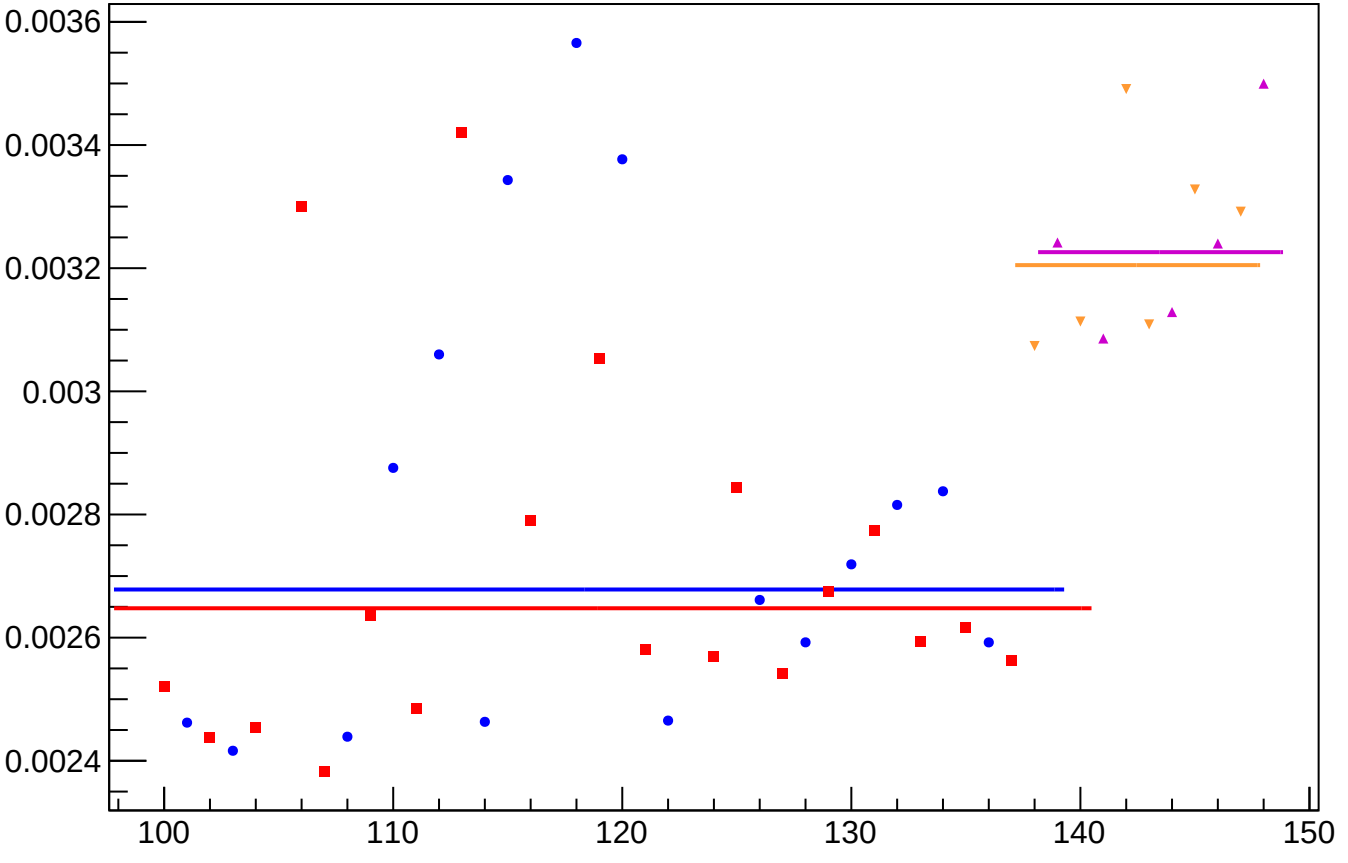
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.744+/-0.000 χ^2/NDF:299524052264.8/20

Out: -1.740+/-0.000 χ^2/NDF:312073314816.1/24

All: -1.742+/-0.000 χ^2/NDF: 611612026562.8

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:13252.9/5

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:14310.1/4

Left: 0.003+/-0.000 χ^2/NDF: 27729.6/10

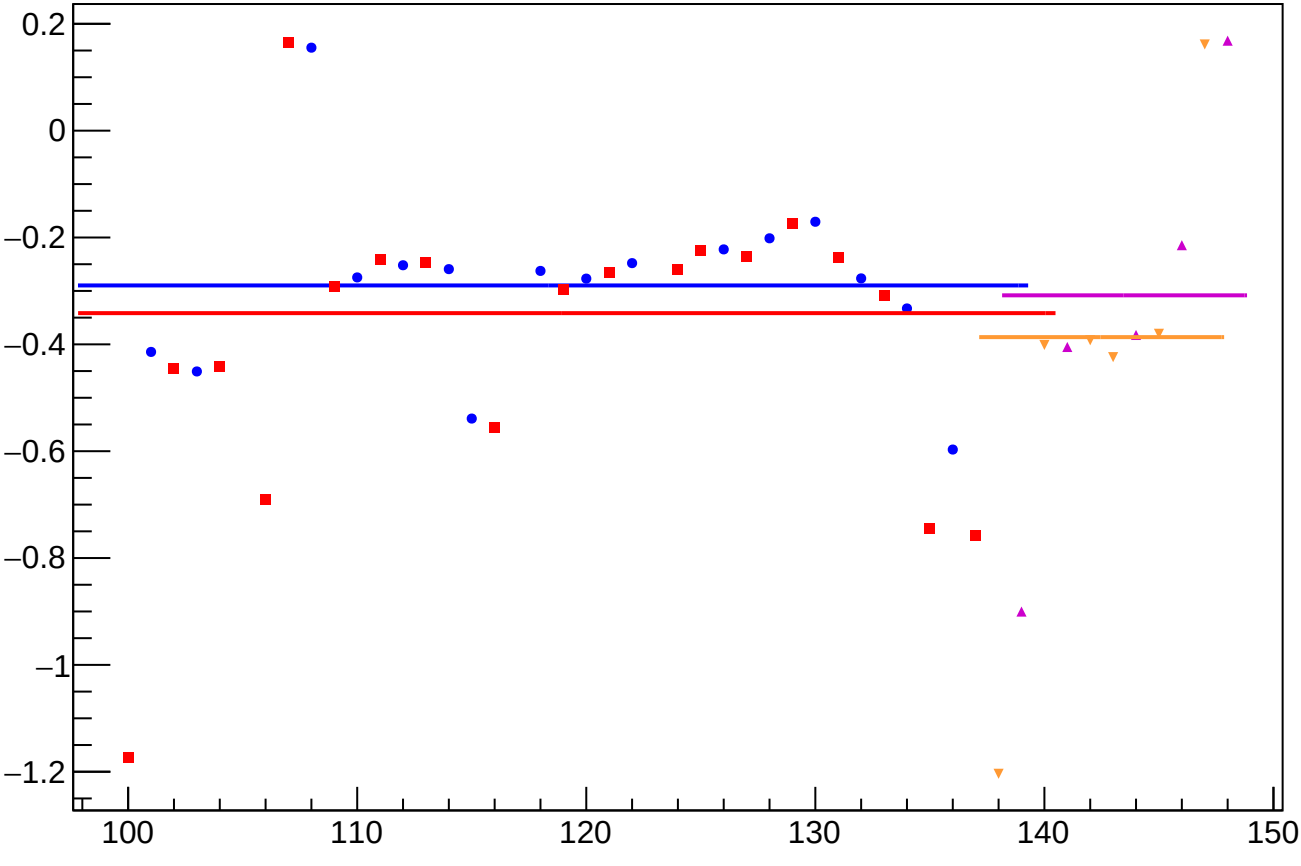
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:331470.6/20

Out: 0.003+/-0.000 χ^2/NDF:300684.9/24

All: 0.003+/-0.000 χ^2/NDF: 633550.2/45

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.386+/-0.000 χ^2/NDF:3617777865.7/5

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.308+/-0.000 χ^2/NDF:2431102766.1/4

Left: -0.347+/-0.000 χ^2/NDF: 6111280385.0/10

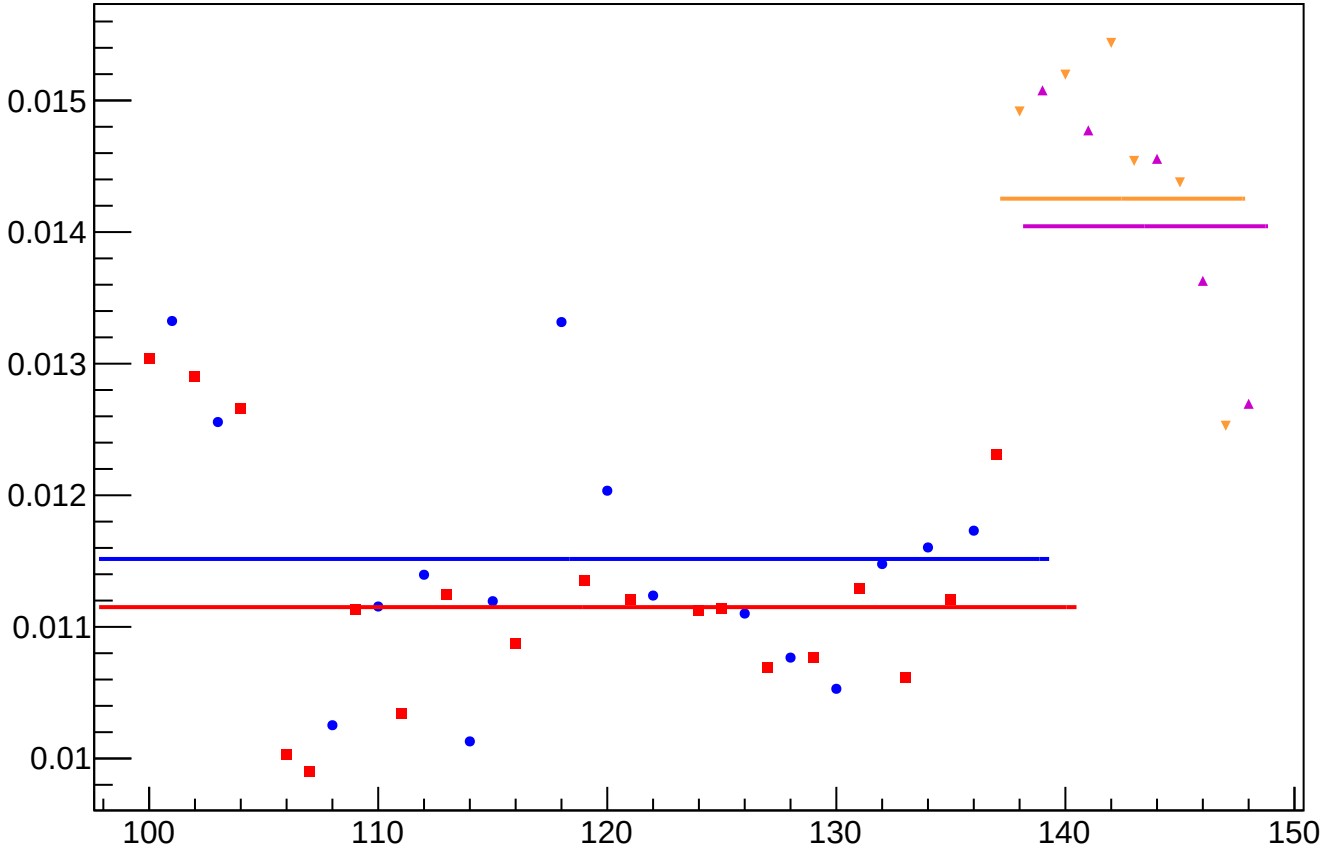
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.295+/-0.000 χ^2/NDF:4081319656.3/20

Out: -0.353+/-0.000 χ^2/NDF:6257393946.1/24

All: -0.325+/-0.000 χ^2/NDF: 10466641447.4/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.014+/-0.000 χ^2/NDF:43898.5/5

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:32776.3/4

Left: 0.014+/-0.000 χ^2/NDF: 77571.5/10

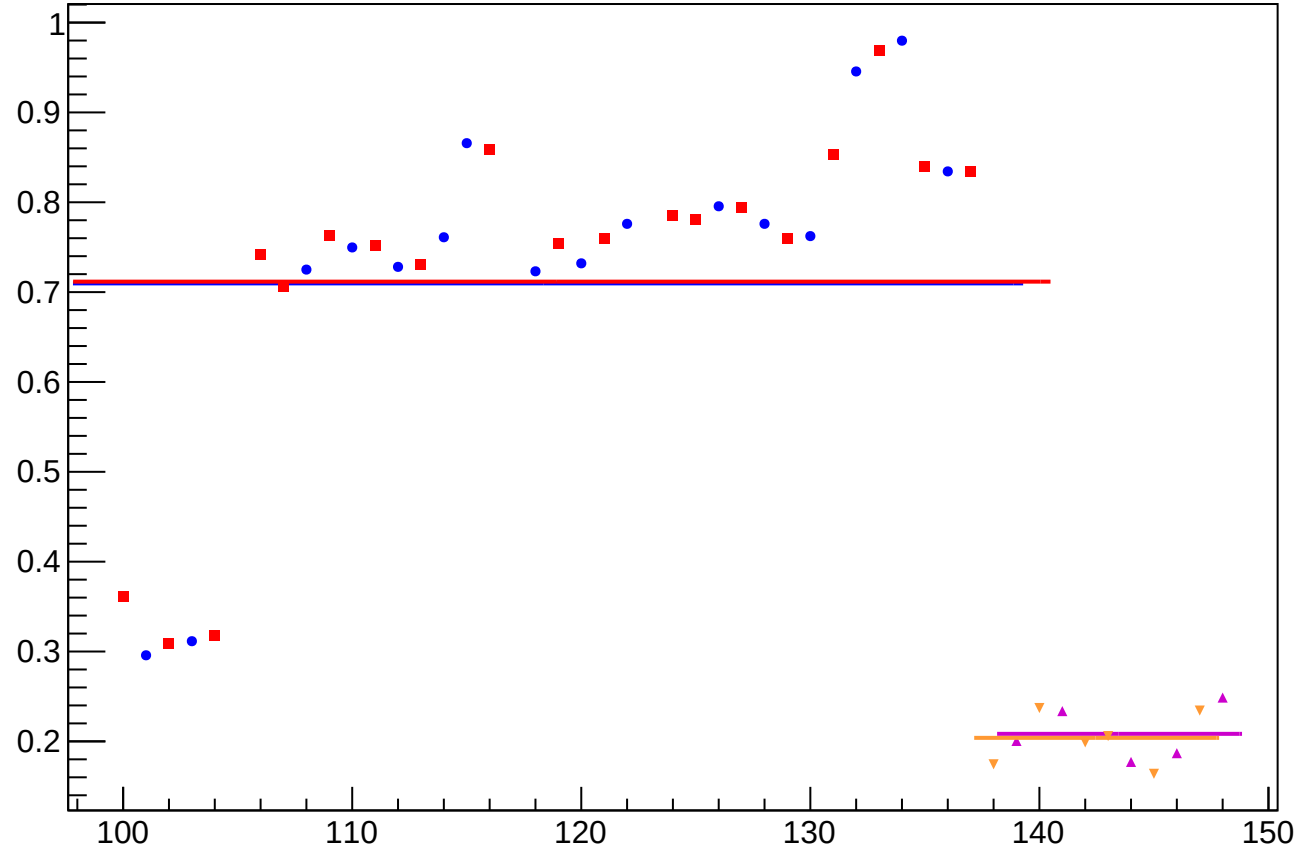
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:304971.5/20

Out: 0.012+/-0.000 χ^2/NDF:404570.7/24

All: 0.012+/-0.000 χ^2/NDF: 715377.7/45

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.204+/-0.000 χ^2/NDF:796668414.5/5

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.208+/-0.000 χ^2/NDF:681606259.0/4

Left: 0.206+/-0.000 χ^2/NDF: 1488018760.8/10

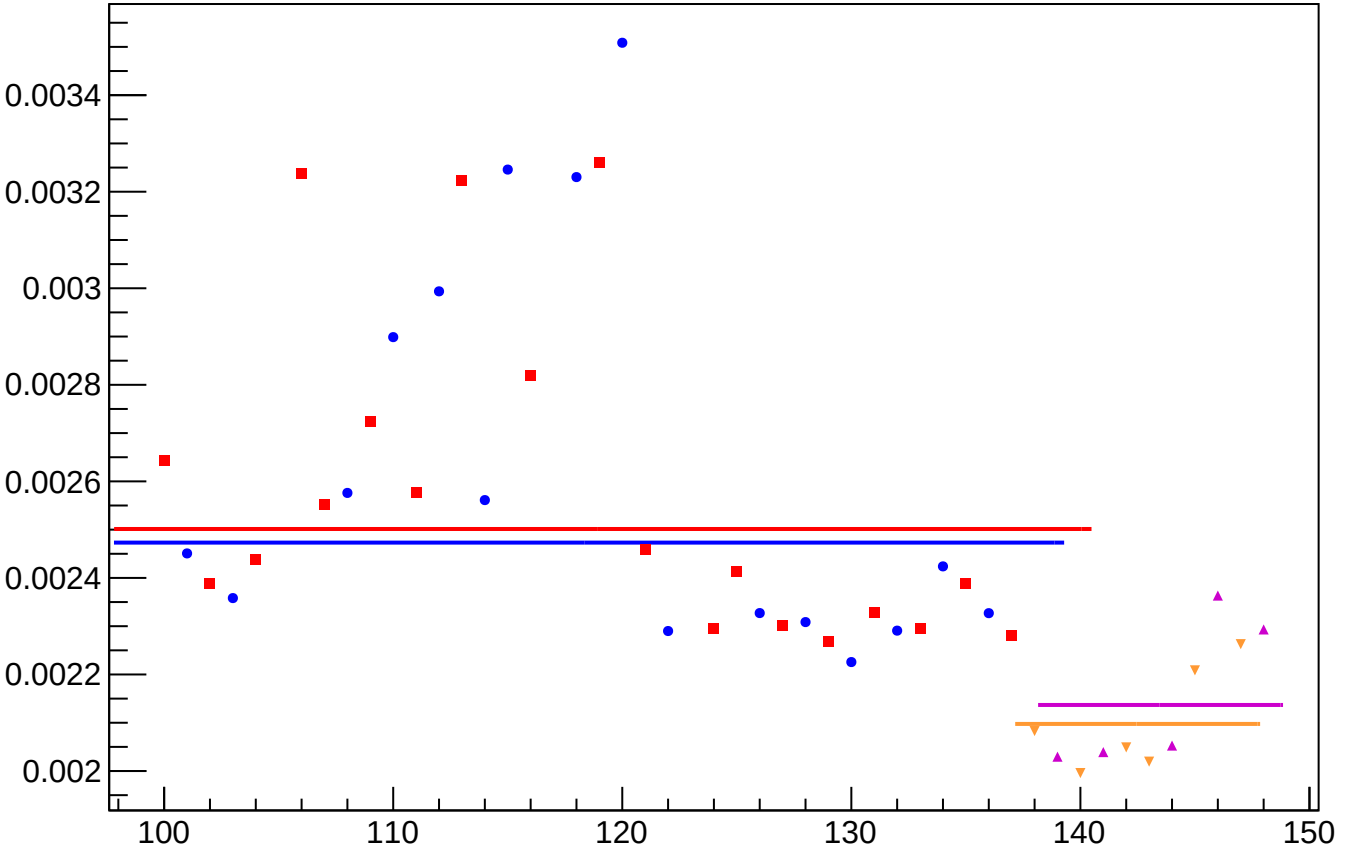
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.480+/-0.000 χ^2/NDF:177855961814.9/20

Out: 0.471+/-0.000 χ^2/NDF:182380019789.5/24

All: 0.476+/-0.000 χ^2/NDF: 360326391837.7

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:20106.6/5

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:35584.2/4

Left: 0.002+/-0.000 χ^2/NDF: 57196.7/10

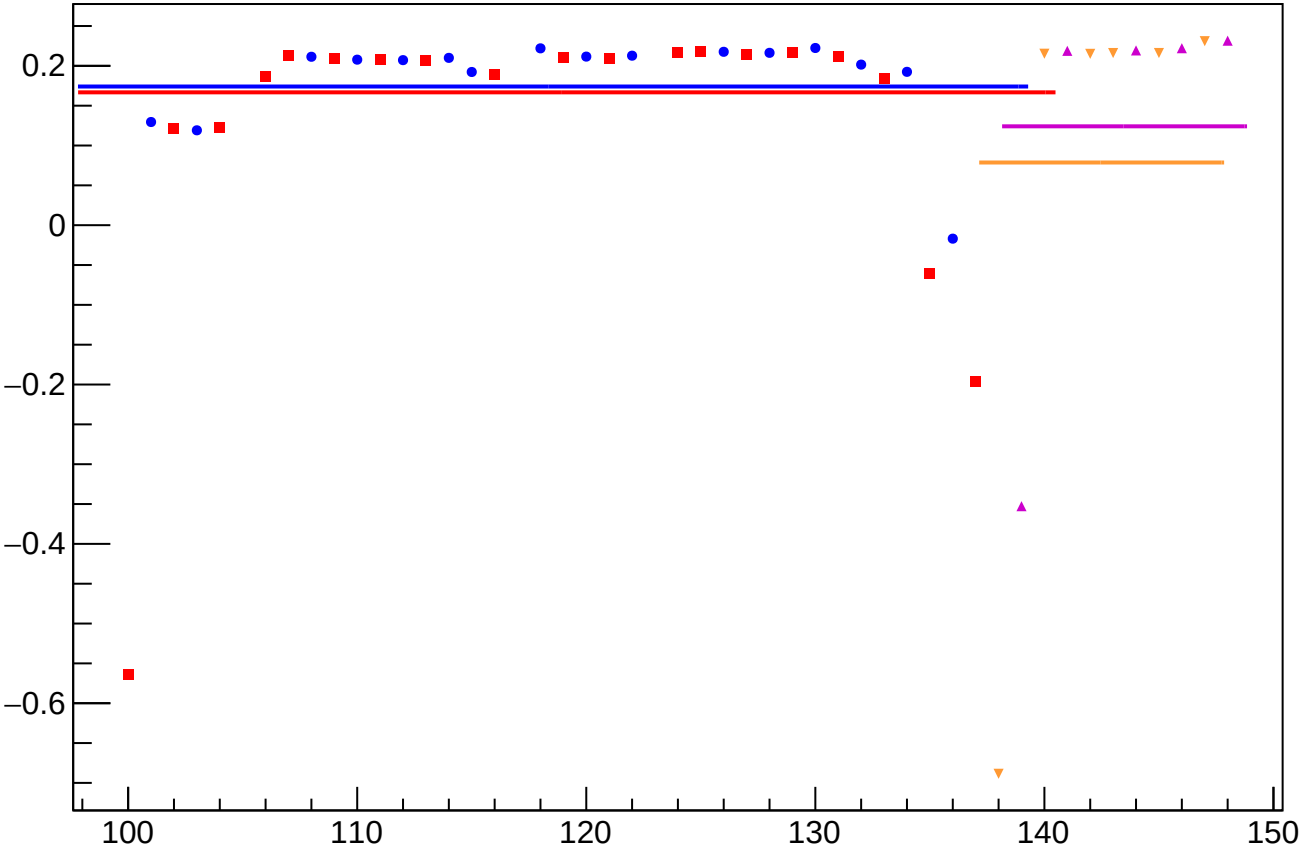
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:359049.7/20

Out: 0.002+/-0.000 χ^2/NDF:371340.5/24

All: 0.002+/-0.000 χ^2/NDF: 730570.6/45

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.079+/-0.000 χ^2/NDF:2714463405.2/5

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.124+/-0.000 χ^2/NDF:1191501842.4/4

Left: 0.101+/-0.000 χ^2/NDF: 3931810347.2/10

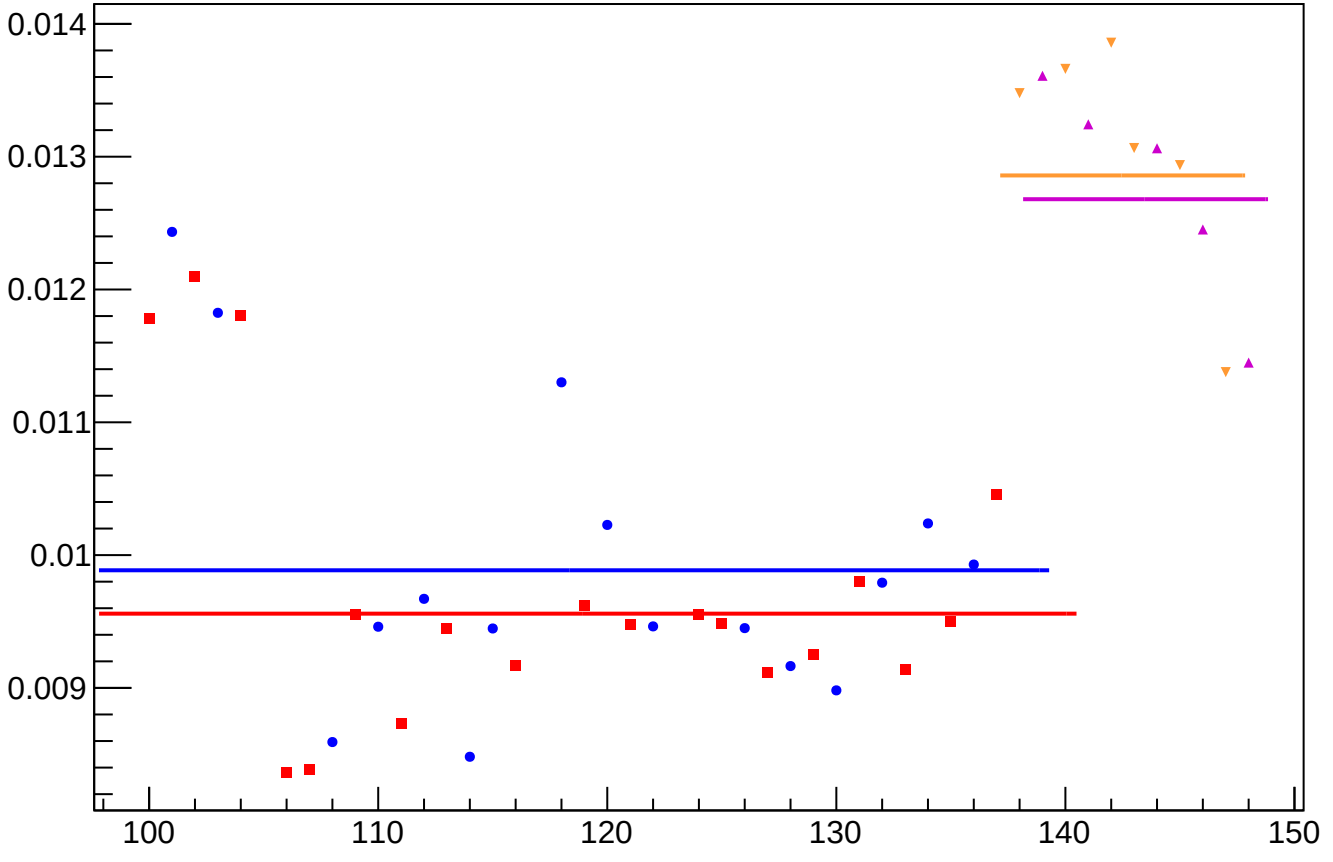
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.161+/-0.000 χ^2/NDF:1639659848.6/20

Out: 0.146+/-0.000 χ^2/NDF:3755782552.5/24

All: 0.153+/-0.000 χ^2/NDF: 5407156731.0/45

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:39588.6/5

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:30568.1/4

Left: 0.013+/-0.000 χ^2/NDF: 70959.6/10

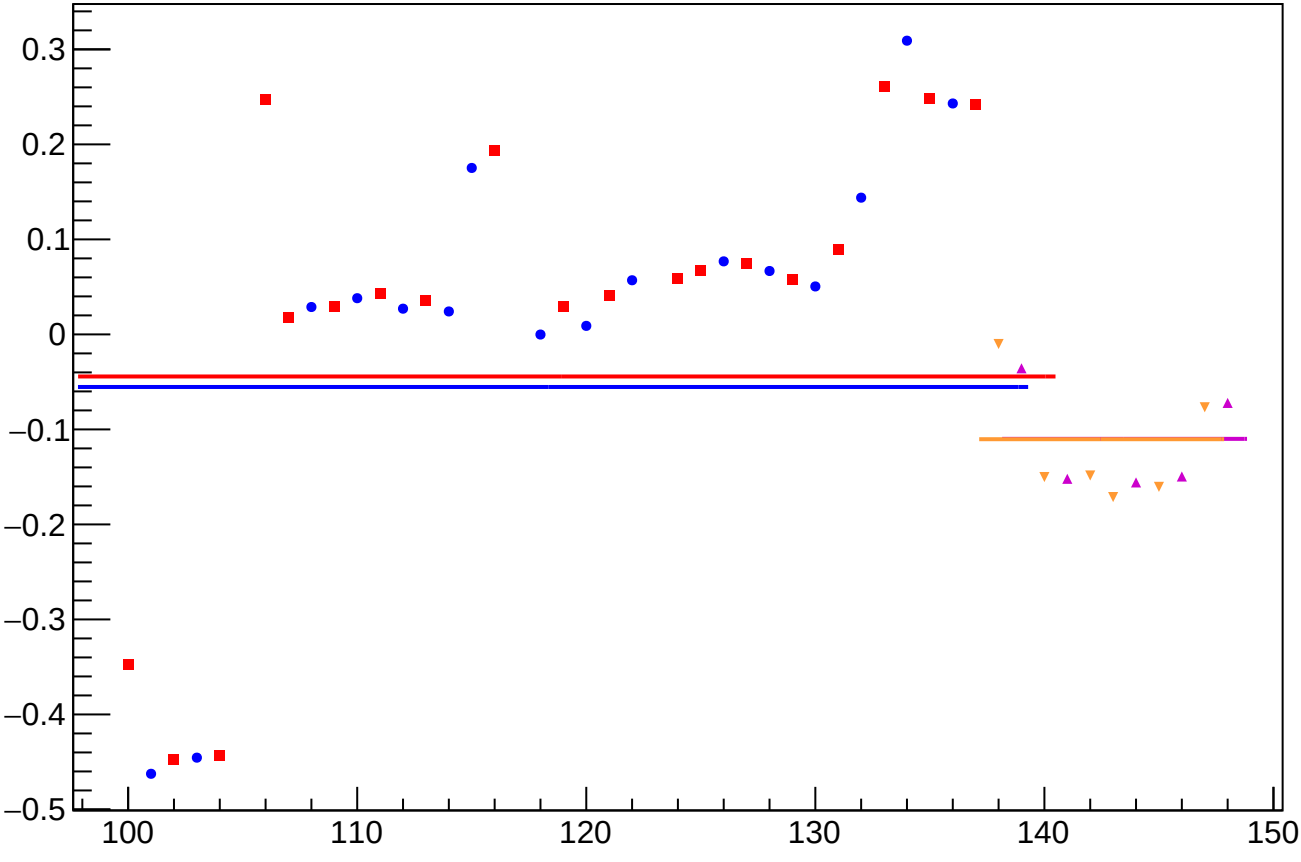
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:468132.1/20

Out: 0.010+/-0.000 χ^2/NDF:589163.0/24

All: 0.010+/-0.000 χ^2/NDF: 1064463.8/45

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.110+/-0.000 χ^2/NDF:1652062340.8/5

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.110+/-0.000 χ^2/NDF:1082547887.4/4

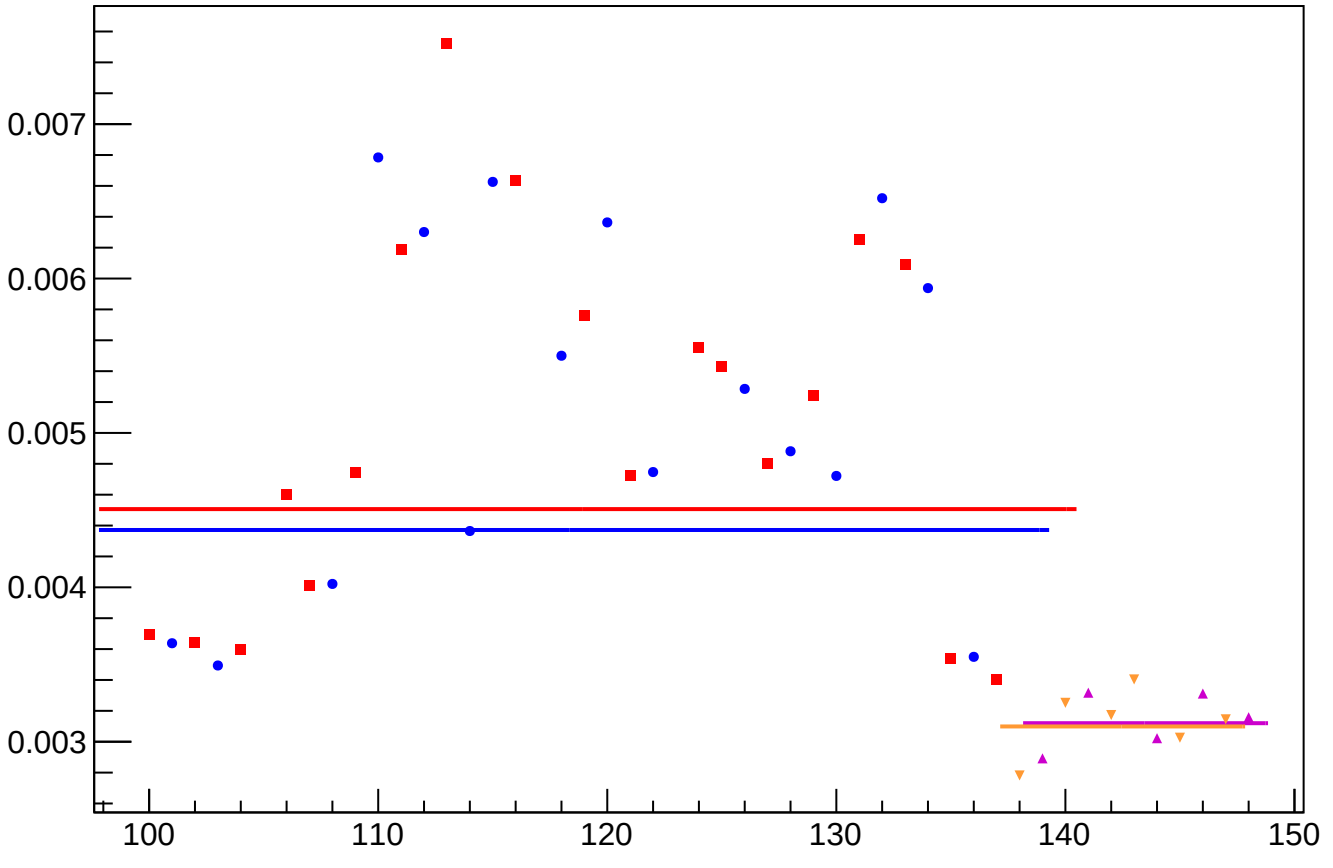
Left: -0.110+/-0.000 χ^2/NDF: 2734638788.2/10

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.086+/-0.000 χ^2/NDF:25700914458.4/20

Out: -0.082+/-0.000 χ^2/NDF:24580172850.5/24

All: -0.084+/-0.000 χ^2/NDF: 50286109278.6/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:35548.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:23001.8/4

Left: 0.003+/-0.000 χ^2/NDF: 58738.0/10

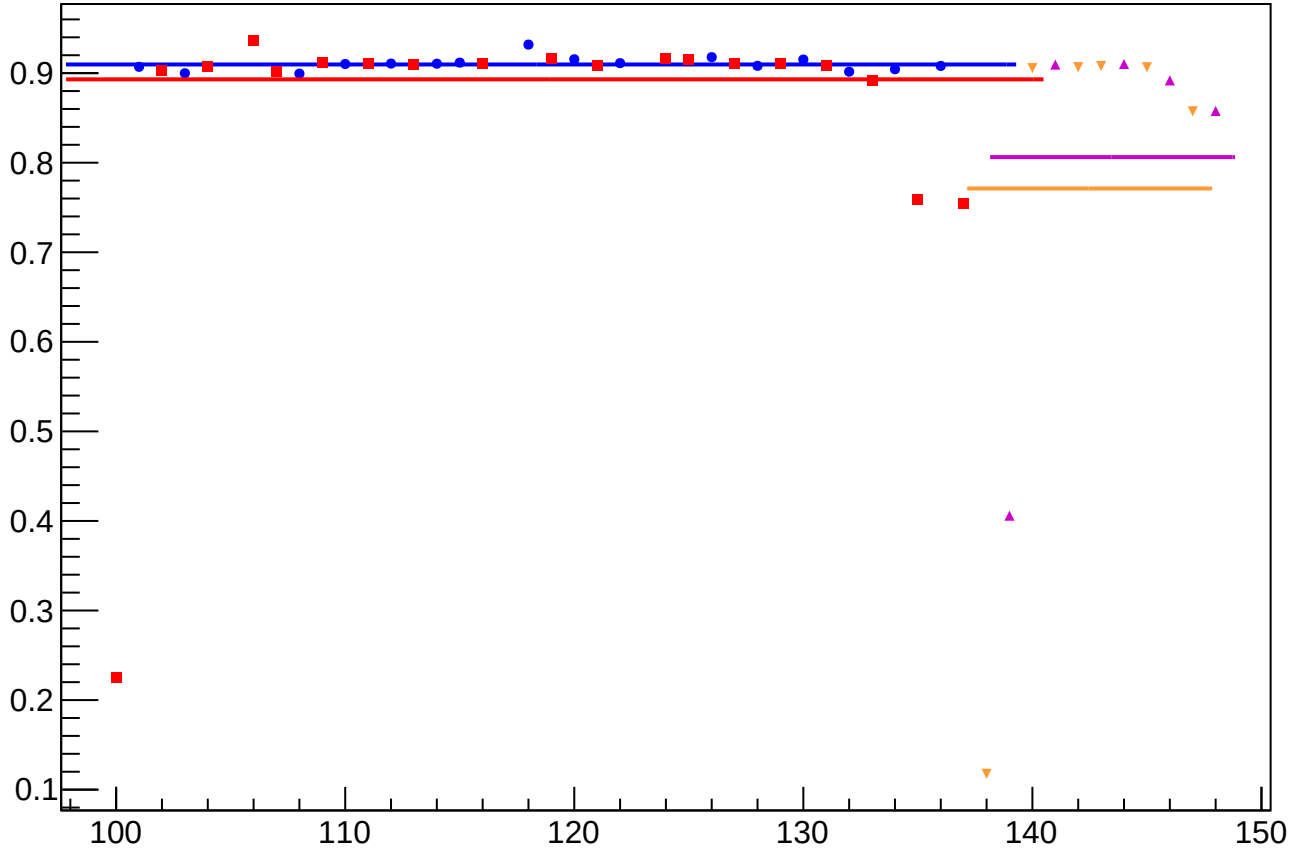
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1246770.6/20

Out: 0.004+/-0.000 χ^2/NDF:1460186.5/24

All: 0.004+/-0.000 χ^2/NDF: 2707513.1/45

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.771+/-0.000 χ^2/NDF:2154384551.6/5

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.806+/-0.000 χ^2/NDF:924194293.9/4

Left: 0.789+/-0.000 χ^2/NDF: 3095209049.9/10

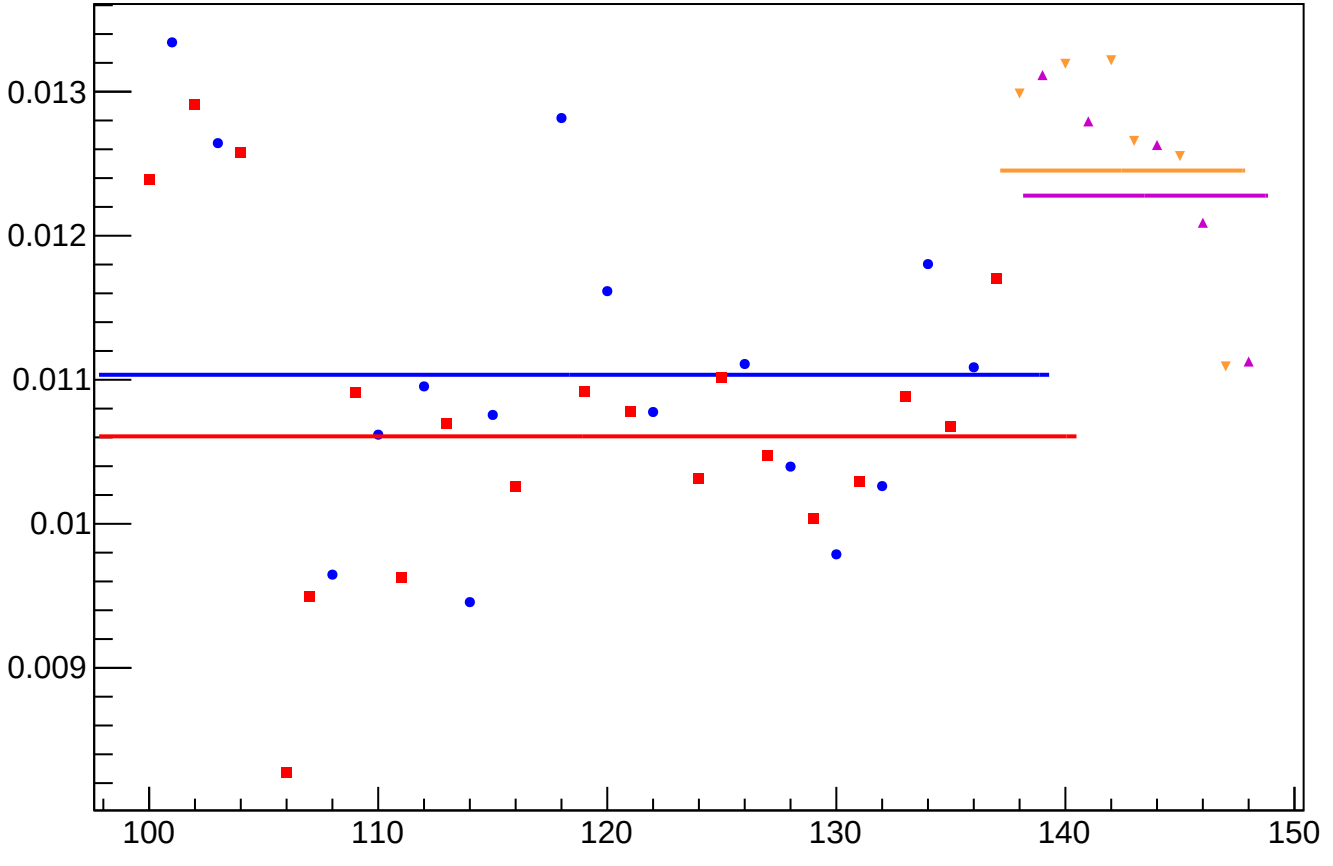
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.876+/-0.000 χ^2/NDF:1123015673.1/20

Out: 0.857+/-0.000 χ^2/NDF:2764417713.6/24

All: 0.866+/-0.000 χ^2/NDF: 3903457735.0/45

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:34363.3/5

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:27964.7/4

Left: 0.012+/-0.000 χ^2/NDF: 63148.7/10

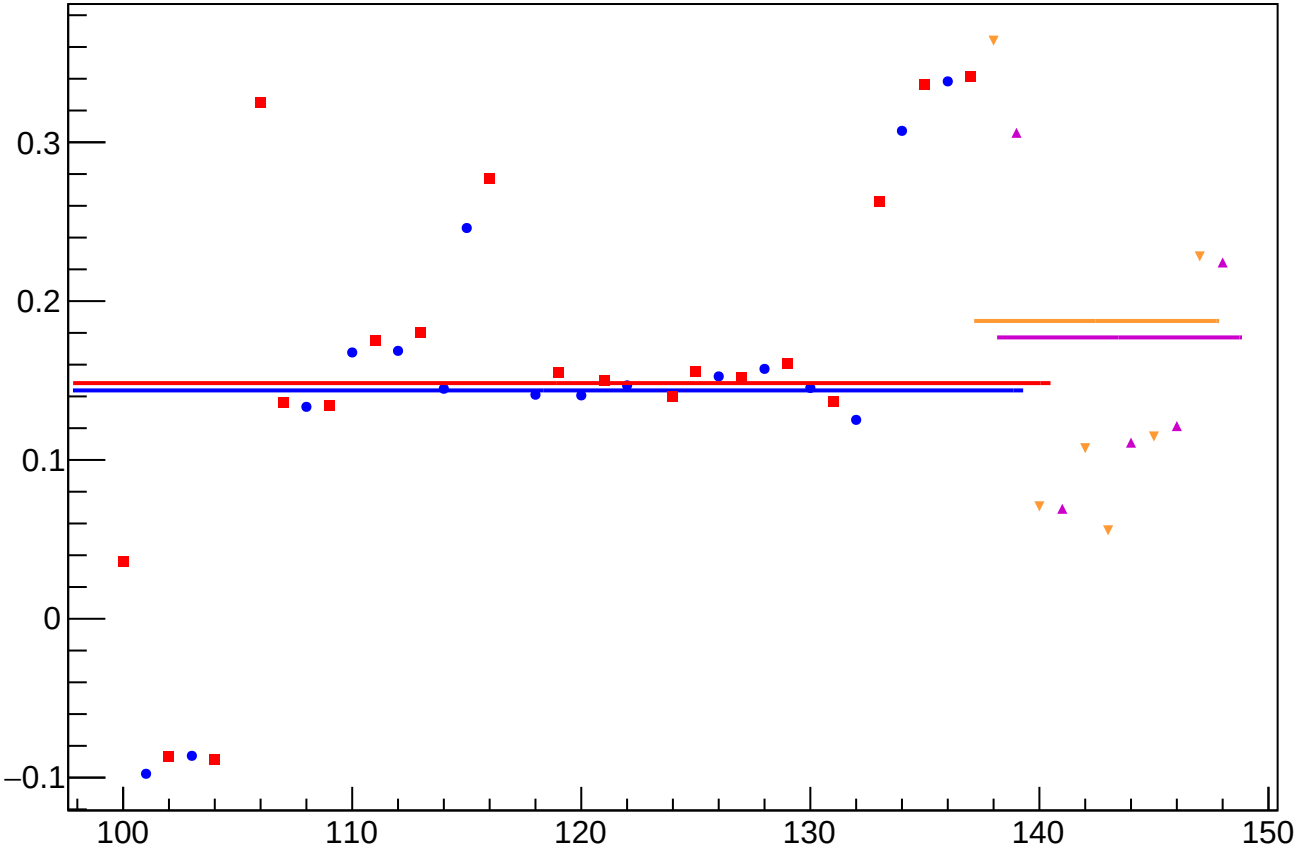
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:214919.4/20

Out: 0.011+/-0.000 χ^2/NDF:307590.9/24

All: 0.011+/-0.000 χ^2/NDF: 529524.2/45

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.188+/-0.000 χ^2/NDF:4067589263.3/5

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.177+/-0.000 χ^2/NDF:2116113442.1/4

Left: 0.183+/-0.000 χ^2/NDF: 6198231205.0/10

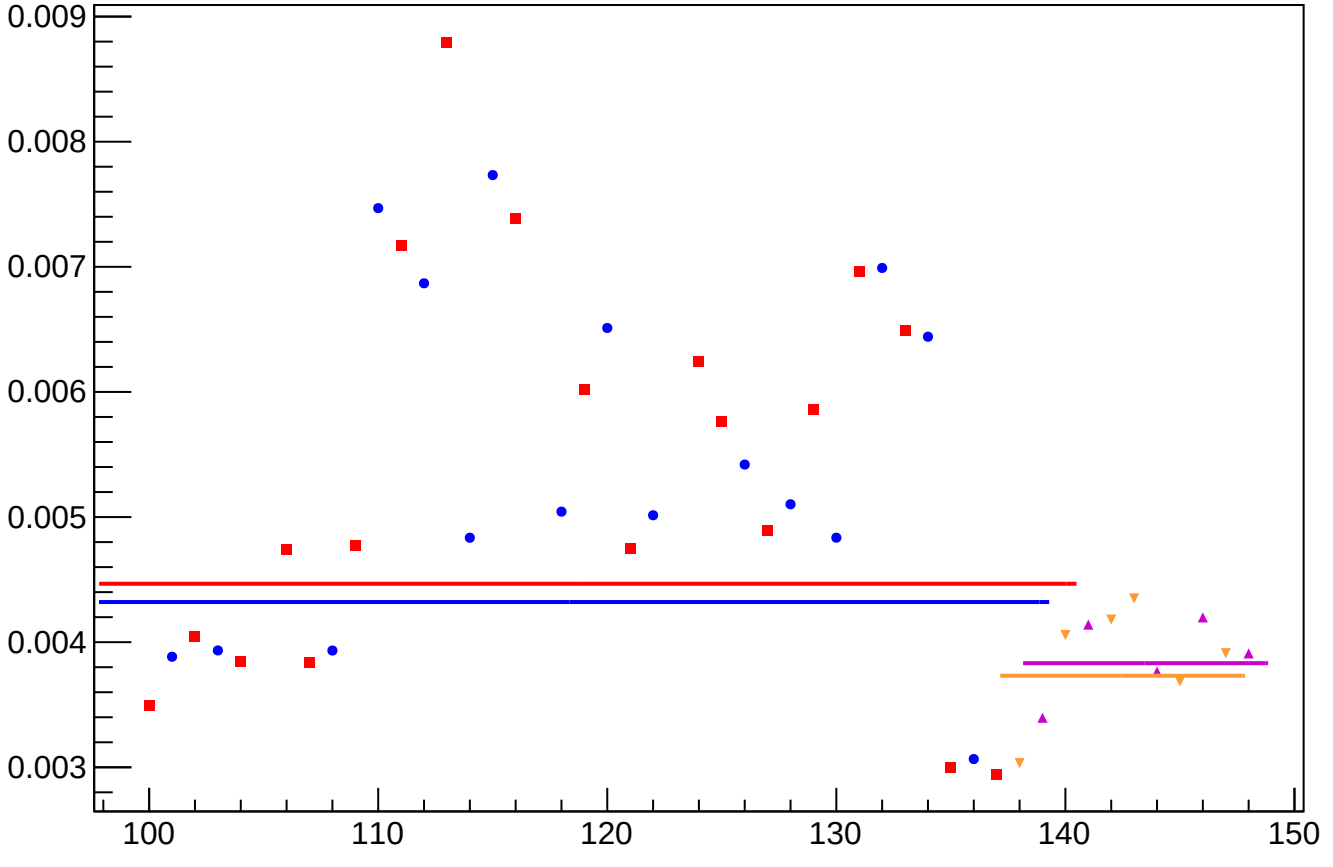
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.159+/-0.000 χ^2/NDF:10140281924.9/20

Out: 0.167+/-0.000 χ^2/NDF:11417431231.2/24

All: 0.163+/-0.000 χ^2/NDF: 21577341059.8/4

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:123161.8/5

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:46283.7/4

Left: 0.004+/-0.000 χ^2/NDF: 172182.2/10

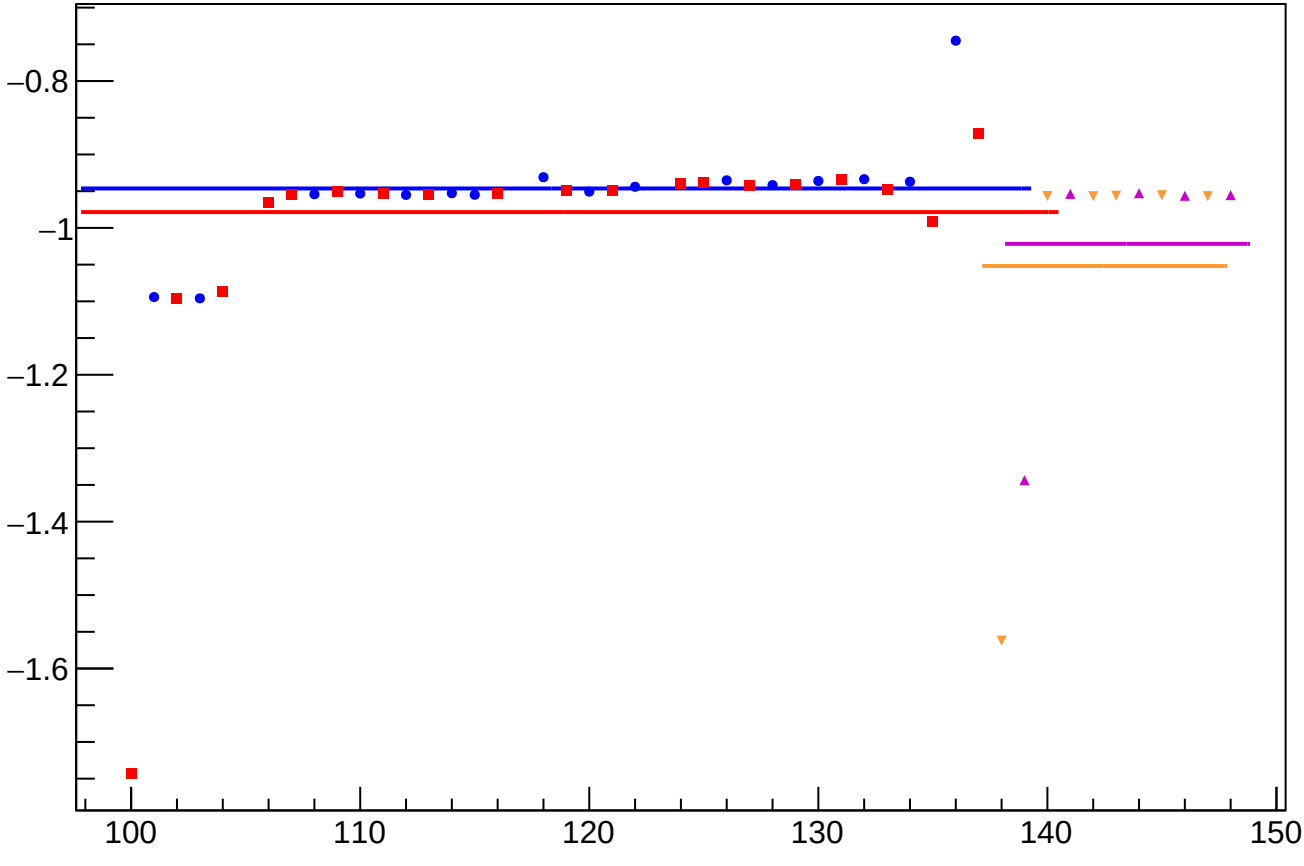
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:991892.8/20

Out: 0.004+/-0.000 χ^2/NDF:1365166.4/24

All: 0.004+/-0.000 χ^2/NDF: 2357162.5/45

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.052+/-0.000 χ^2/NDF:1685702321.8/5

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.022+/-0.000 χ^2/NDF:751326648.6/4

Left: -1.037+/-0.000 χ^2/NDF: 2452827643.4/10

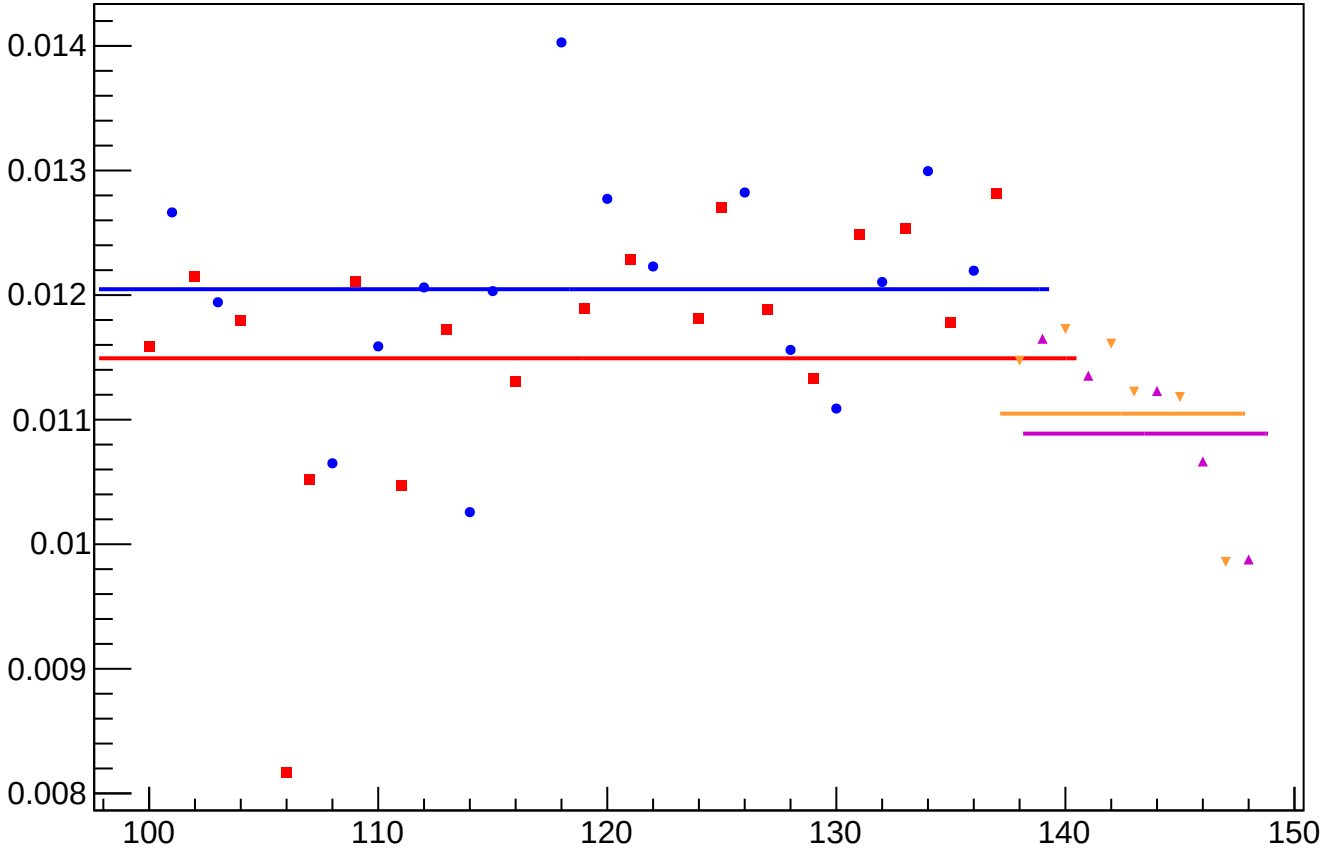
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.978+/-0.000 χ^2/NDF:1269748468.8/20

Out: -1.007+/-0.000 χ^2/NDF:2260677655.4/24

All: -0.993+/-0.000 χ^2/NDF: 3565888362.5/4

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:32957.1/5

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:28830.4/4

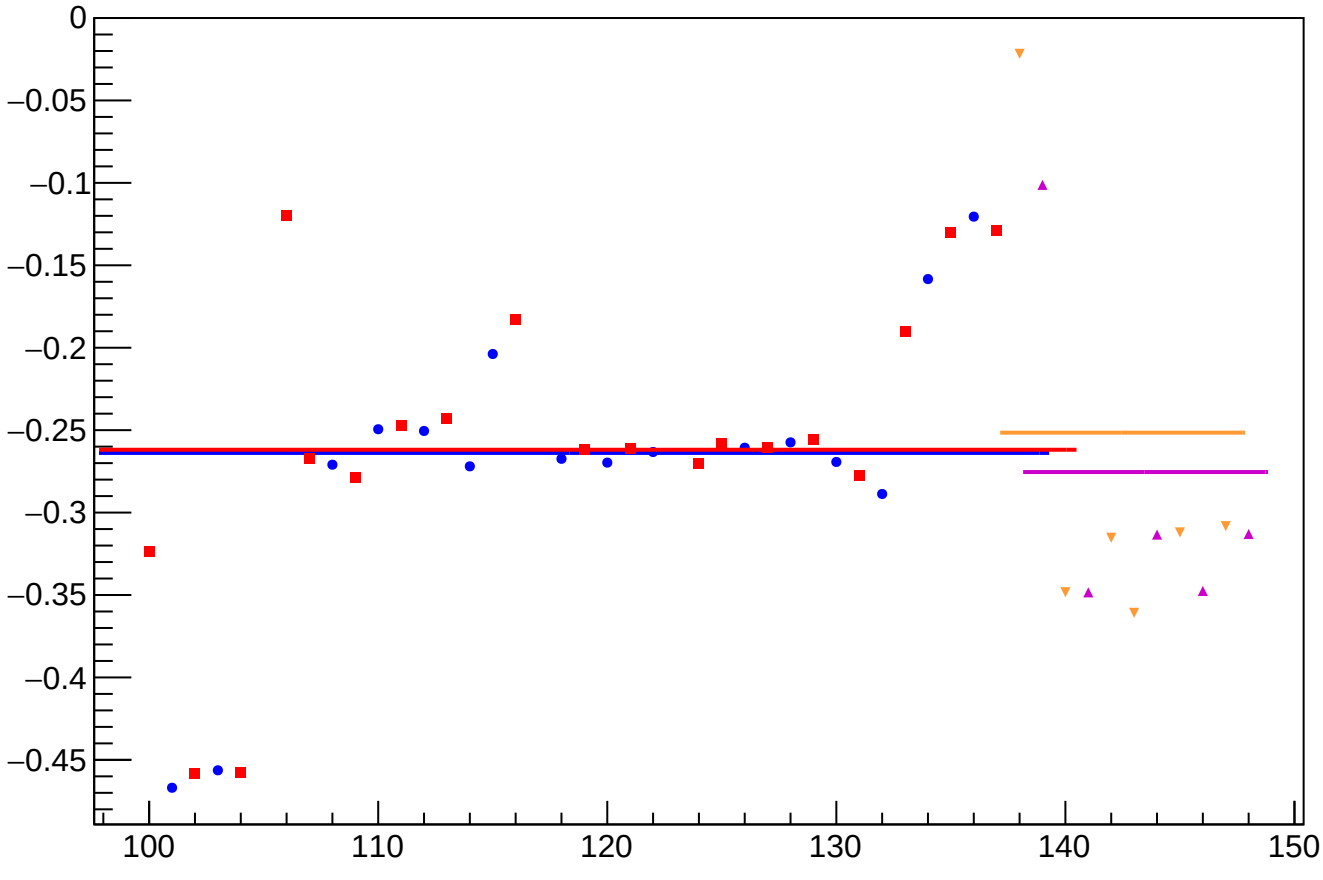
Left: 0.011+/-0.000 χ^2/NDF: 62677.6/10

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:145167.8/20

Out: 0.011+/-0.000 χ^2/NDF:192609.2/24

All: 0.011+/-0.000 χ^2/NDF: 342565.7/45



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.252+/-0.000 χ^2/NDF:3911517843.8/5

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.275+/-0.000 χ^2/NDF:1973134422.0/4

Left: -0.263+/-0.000 χ^2/NDF: 5945252585.9/10

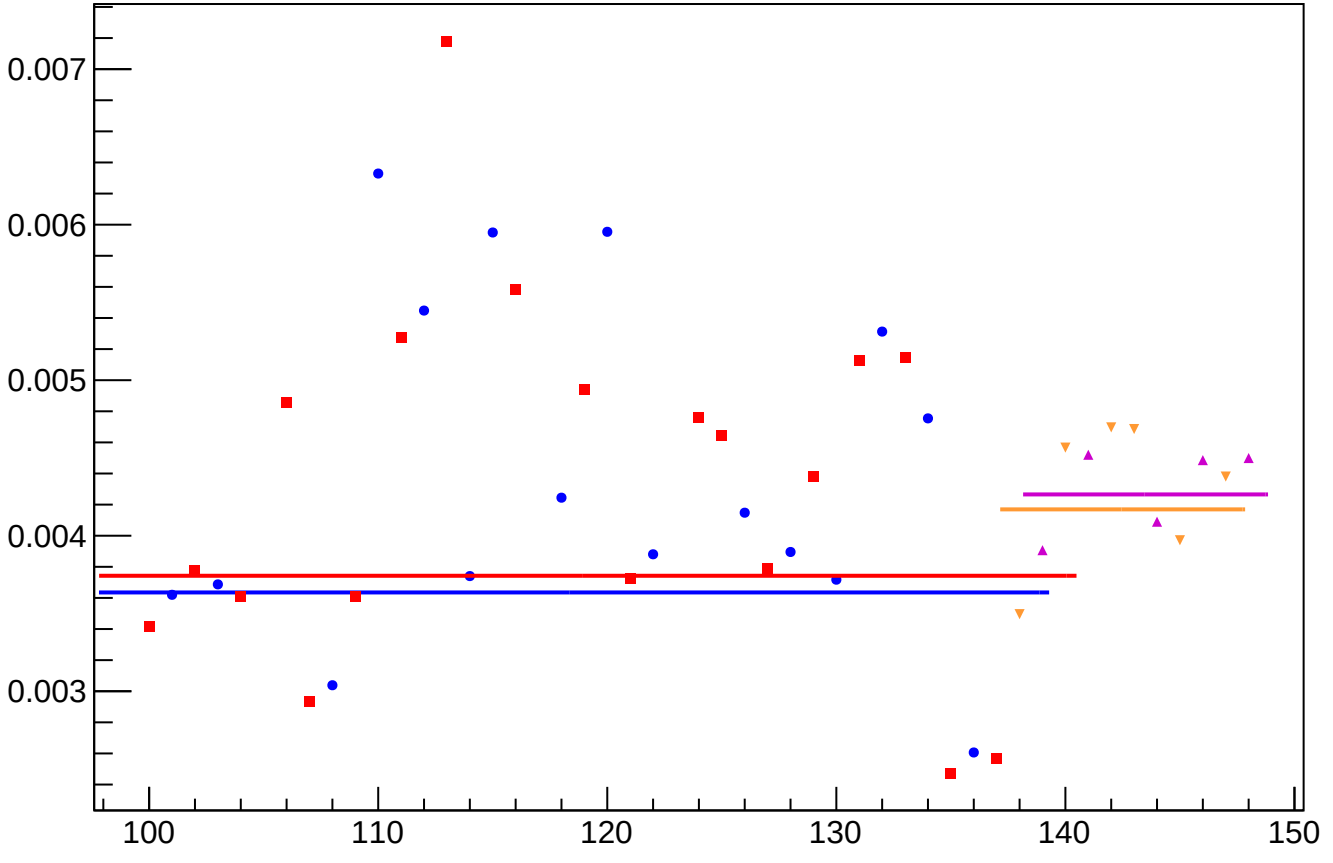
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.268+/-0.000 χ^2/NDF:8098072027.9/20

Out: -0.258+/-0.000 χ^2/NDF:9177228548.2/24

All: -0.263+/-0.000 χ^2/NDF: 17302274200.0/

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:92980.1/5

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:27625.9/4

Left: 0.004+/-0.000 χ^2/NDF: 122571.5/10

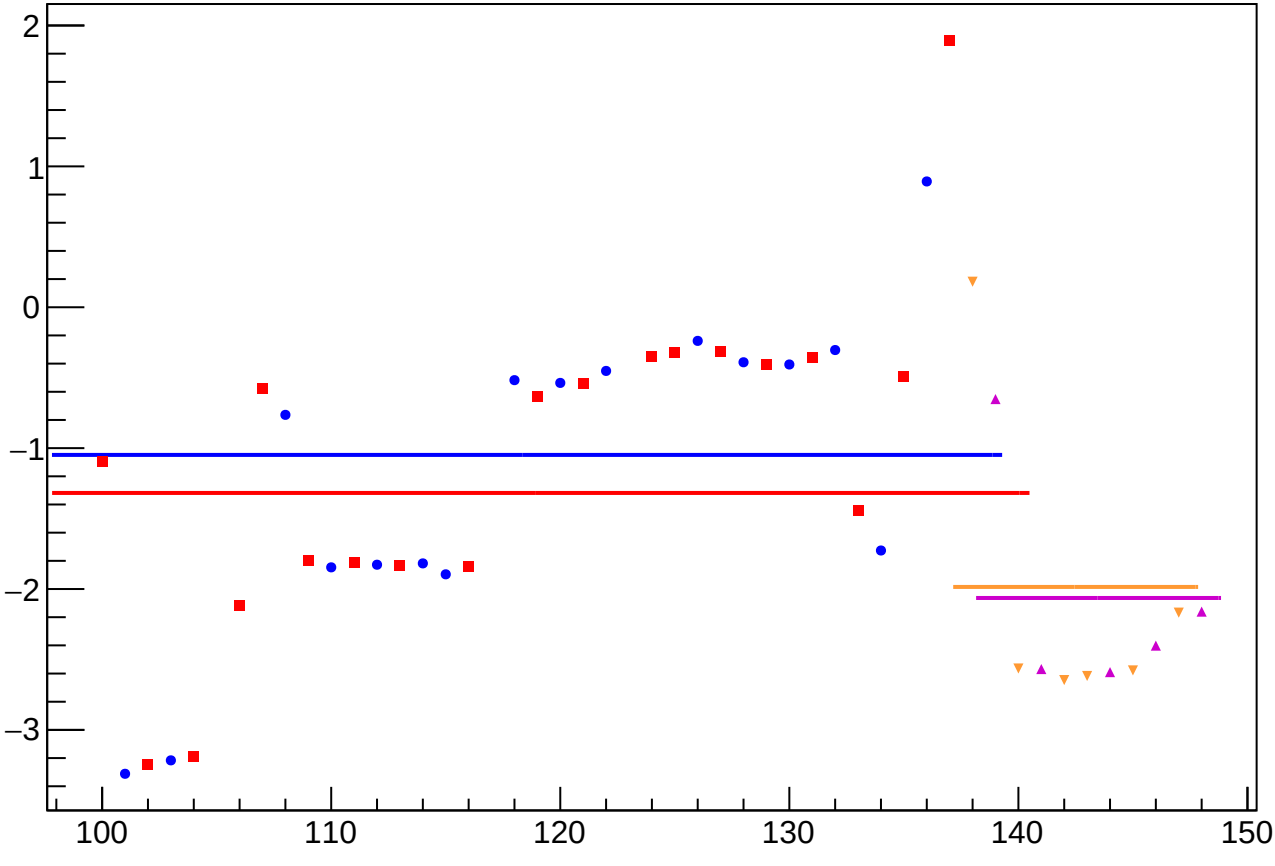
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:867157.9/20

Out: 0.004+/-0.000 χ^2/NDF:1040214.8/24

All: 0.004+/-0.000 χ^2/NDF: 1909001.5/45

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.985+/-0.000 χ^2/NDF:894058582.9/5

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -2.064+/-0.000 χ^2/NDF:409371932.7/4

Left: -2.023+/-0.000 χ^2/NDF: 1305797710.6/10

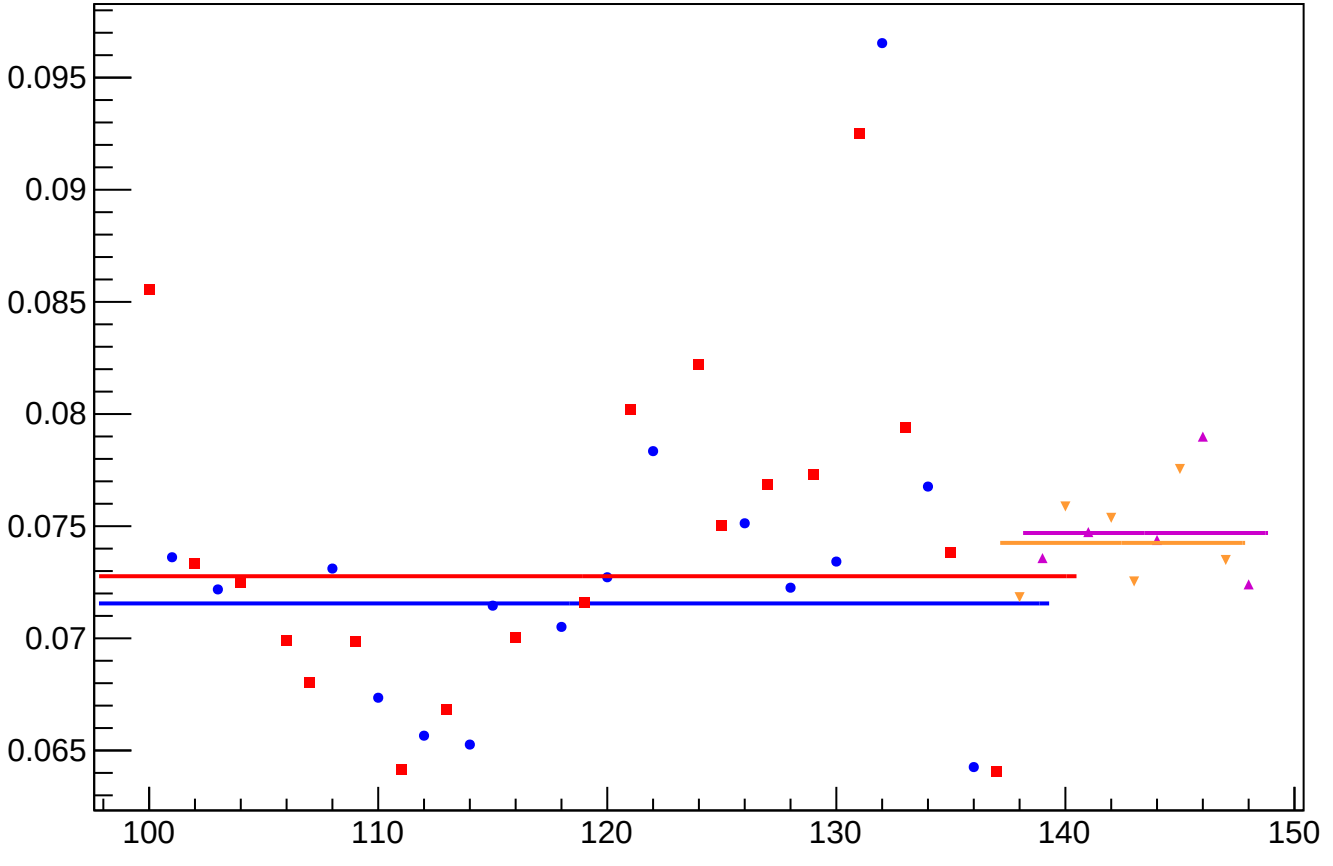
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.409+/-0.000 χ^2/NDF:3257547617.6/20

Out: -1.562+/-0.000 χ^2/NDF:2965228462.4/24

All: -1.486+/-0.000 χ^2/NDF: 6247983045.6/4

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:6543.0/5

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:6961.0/4

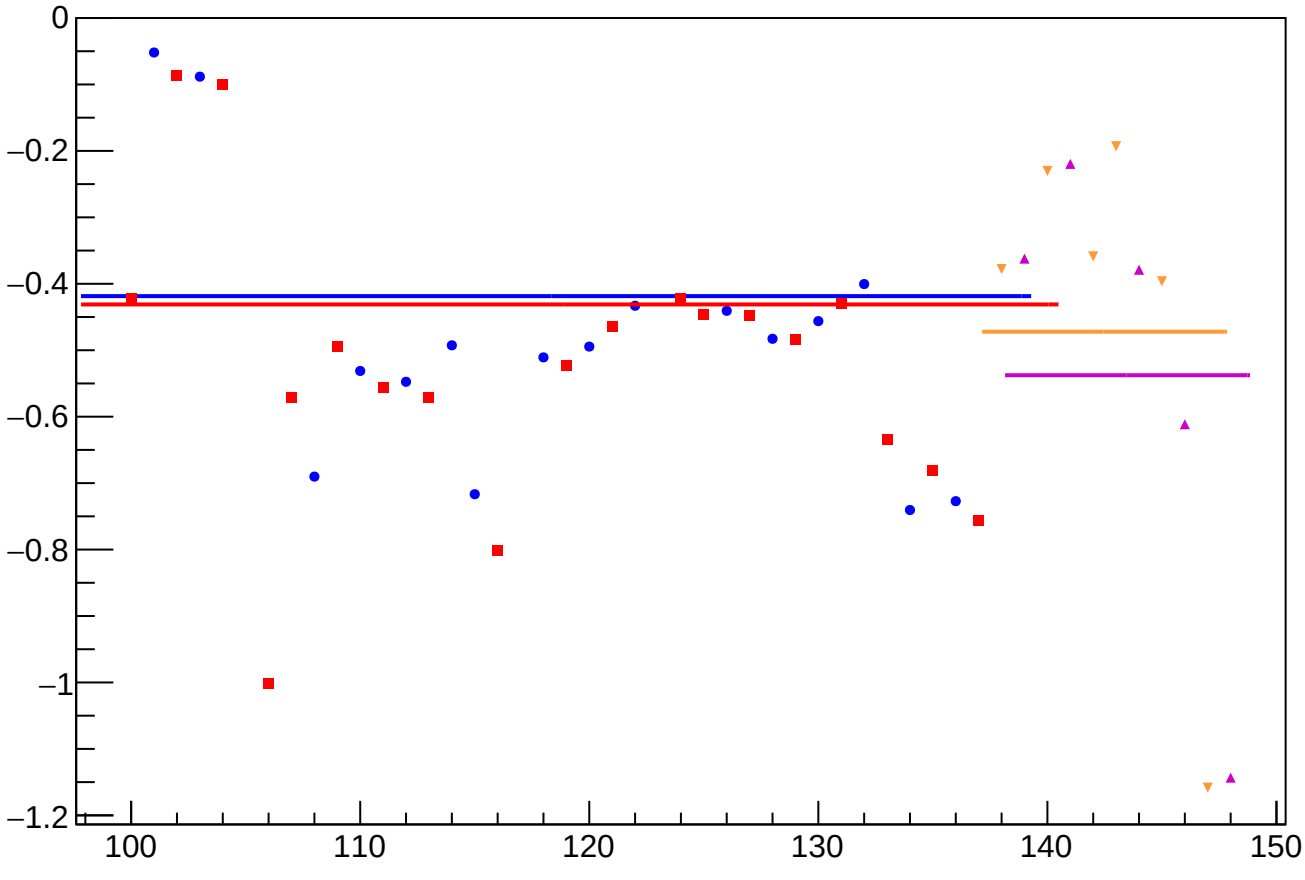
Left: 0.074+/-0.000 χ^2/NDF: 13653.8/10

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:117784.2/20

Out: 0.073+/-0.000 χ^2/NDF:105632.5/24

All: 0.073+/-0.000 χ^2/NDF: 224299.4/45



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.472+/-0.000 χ^2/NDF:5718041965.4/5

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.538+/-0.000 χ^2/NDF:5547886303.5/4

Left: -0.504+/-0.000 χ^2/NDF: 11376197429.2/10

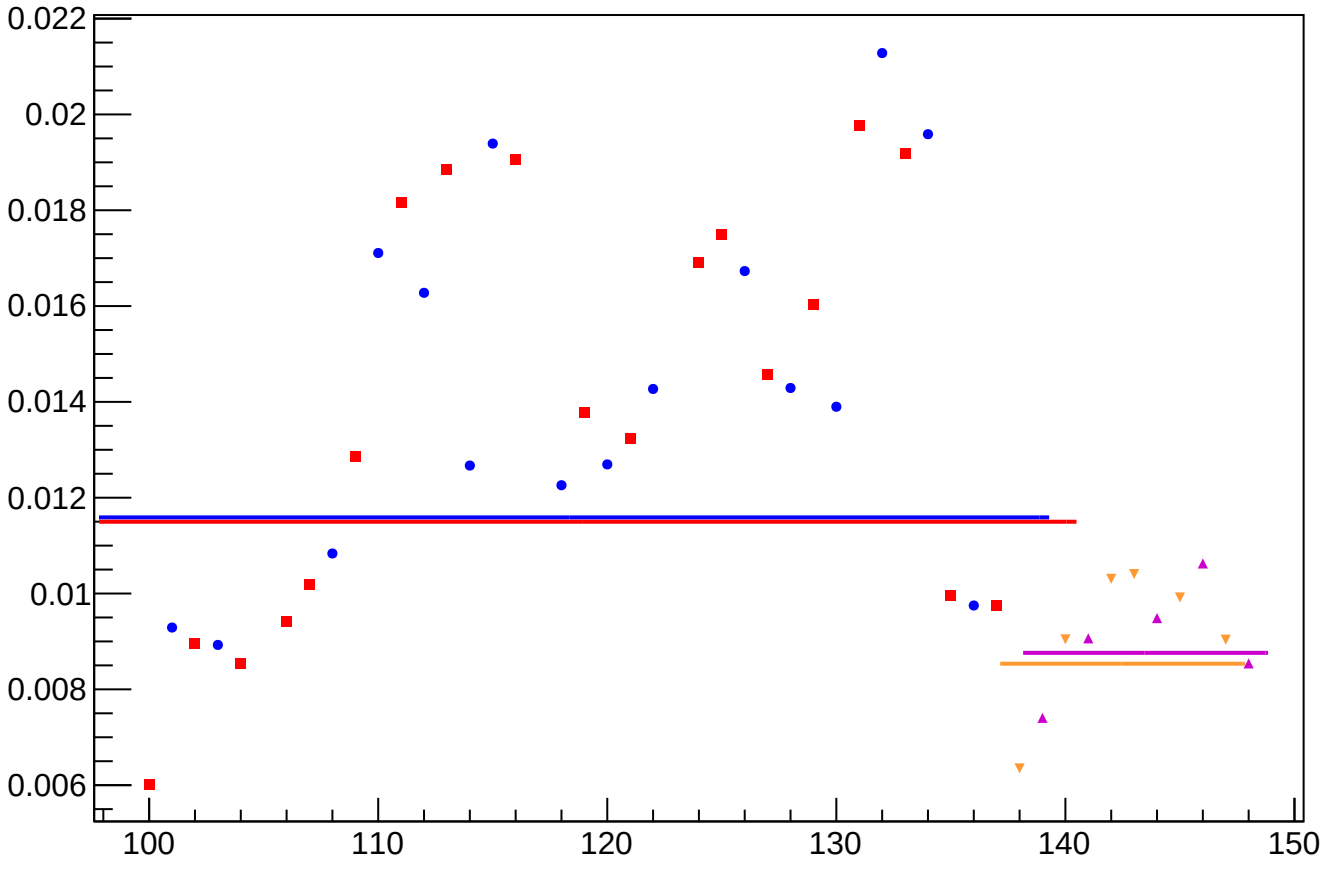
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.481+/-0.000 χ^2/NDF:8952516970.6/20

Out: -0.453+/-0.000 χ^2/NDF:8955888485.9/24

All: -0.467+/-0.000 χ^2/NDF: 17946920248.6/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:272908.8/5

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.009+/-0.000 χ^2/NDF:110000.9/4

Left: 0.009+/-0.000 χ^2/NDF: 385559.4/10

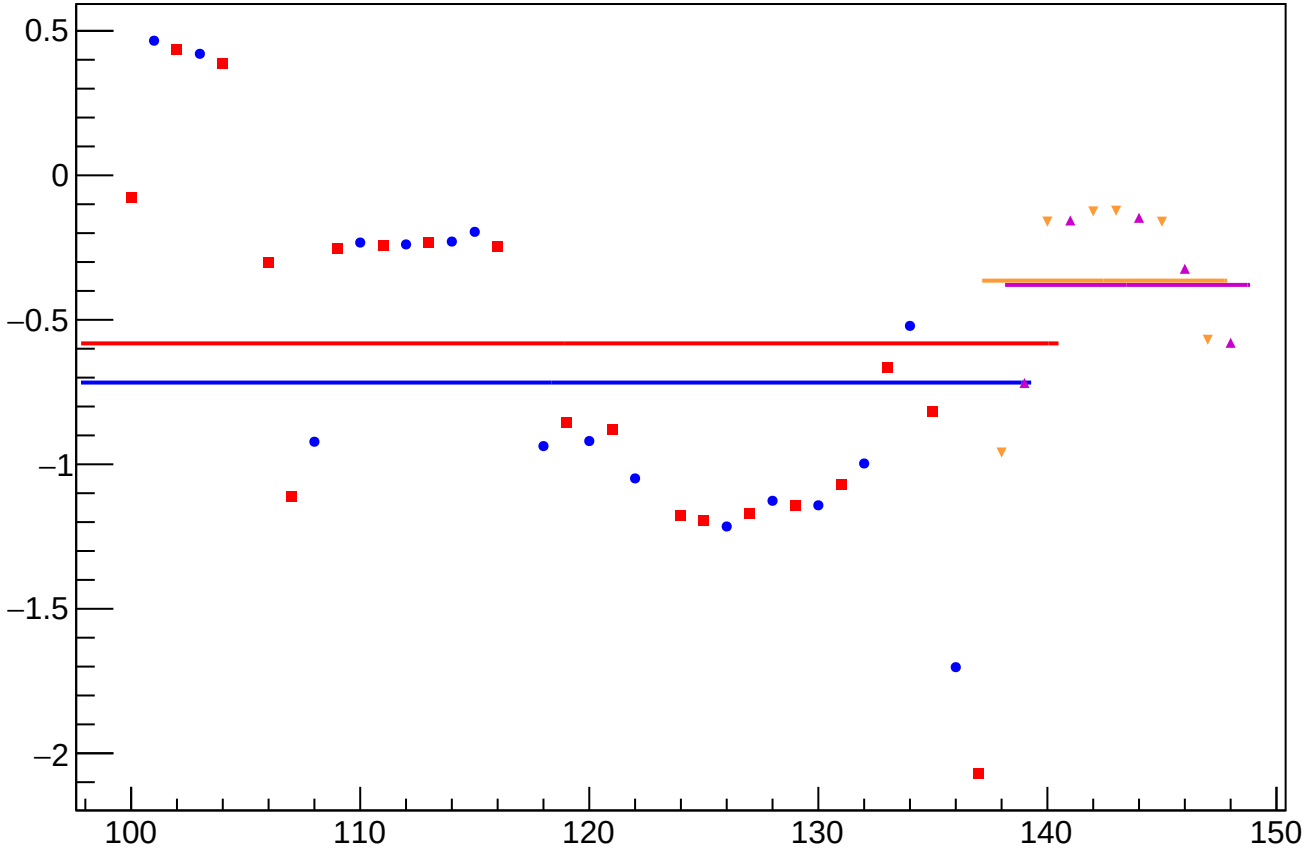
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1271374.0/20

Out: 0.010+/-0.000 χ^2/NDF:1868048.9/24

All: 0.010+/-0.000 χ^2/NDF: 3143043.1/45

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.364+/-0.000 χ^2/NDF:65485580.8/5

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.379+/-0.000 χ^2/NDF:32778263.9/4

Left: -0.372+/-0.000 χ^2/NDF: 98332103.9/10

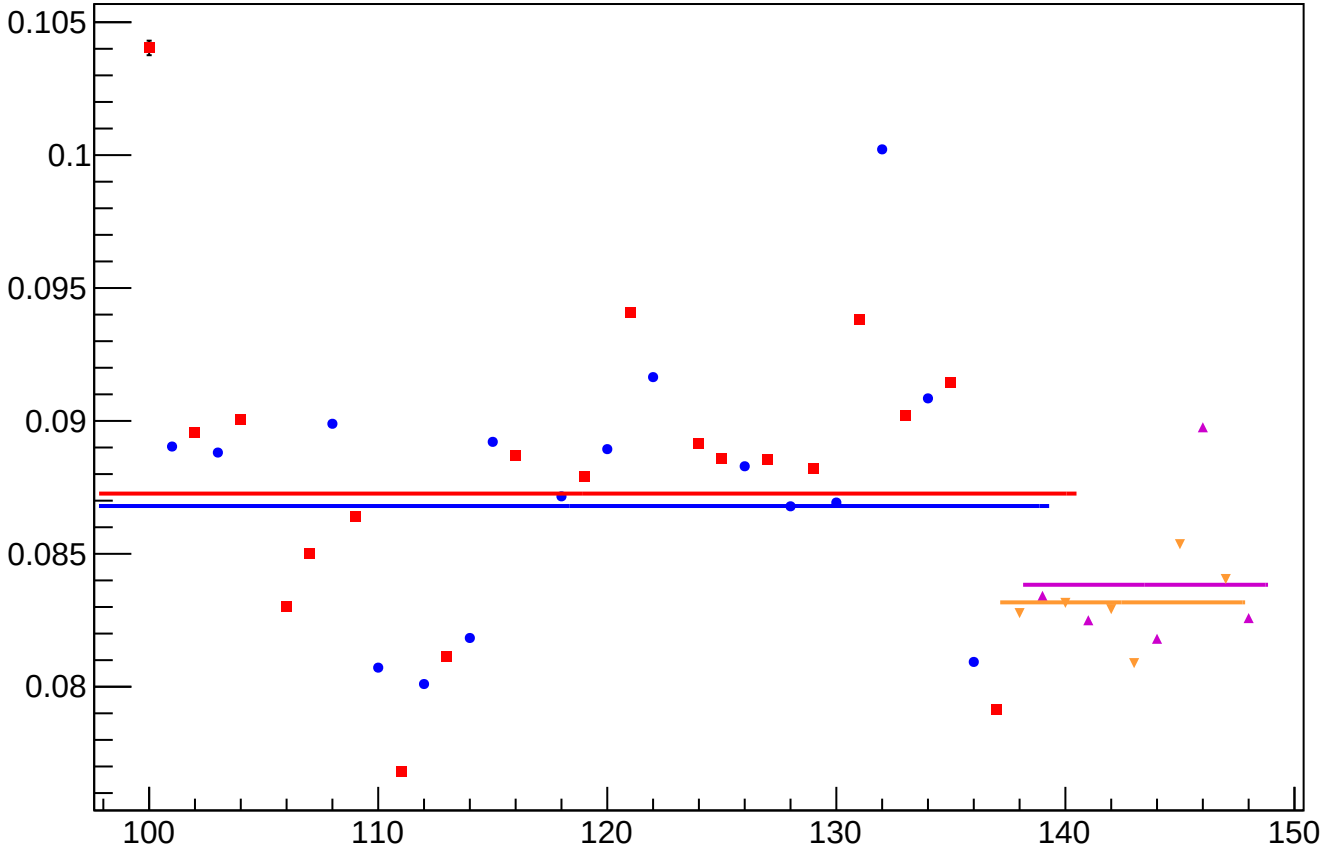
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.585+/-0.000 χ^2/NDF:512809843.1/20

Out: -0.495+/-0.000 χ^2/NDF:425880394.6/24

All: -0.539+/-0.000 χ^2/NDF: 945073961.0/45

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:2561.1/5

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.084+/-0.000 χ^2/NDF:9626.1/4

Left: 0.083+/-0.000 χ^2/NDF: 12462.7/10

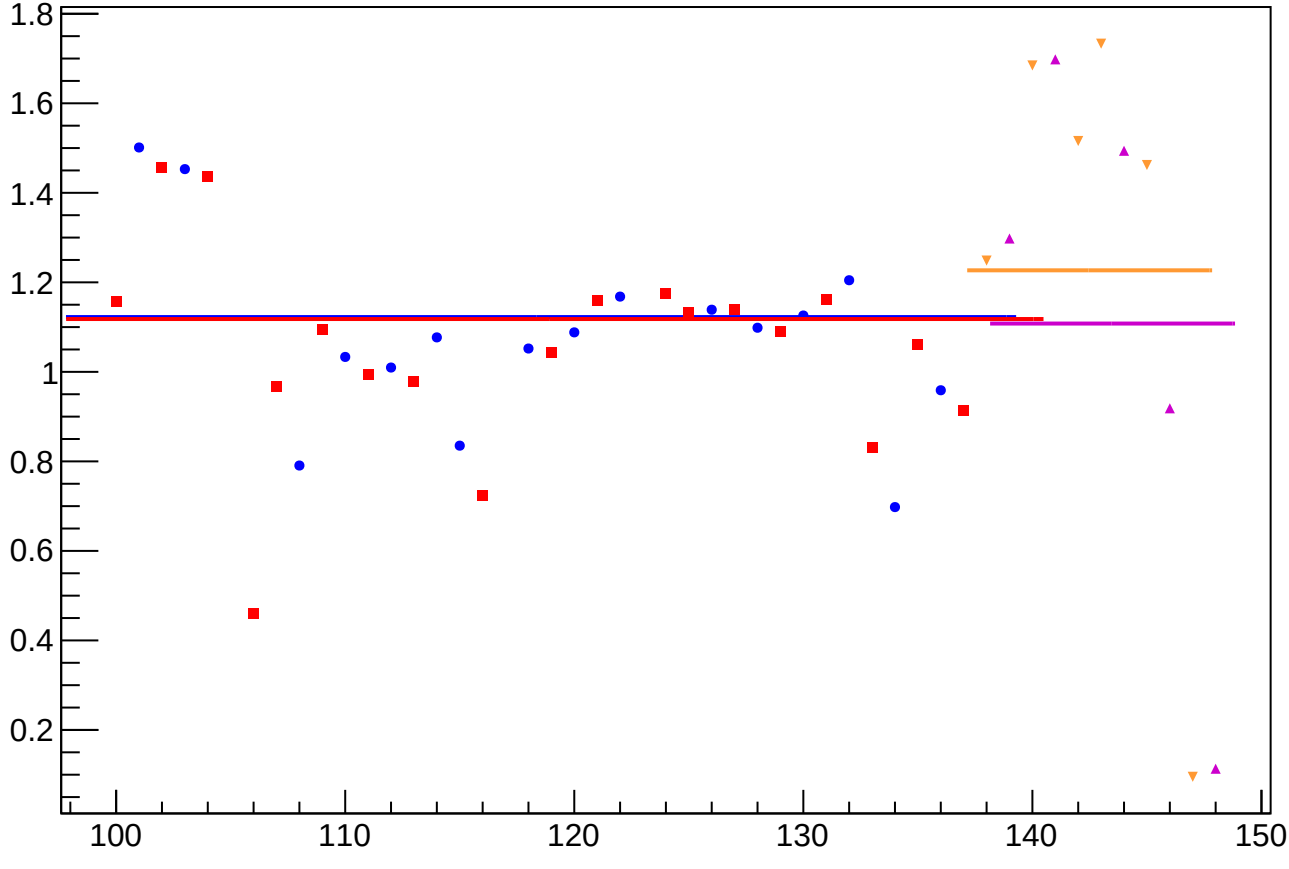
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:59751.4/20

Out: 0.086+/-0.000 χ^2/NDF:61747.9/24

All: 0.086+/-0.000 χ^2/NDF: 121499.3/45

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.227+/-0.000 χ^2/NDF:11337570131.8/5

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 1.108+/-0.000 χ^2/NDF:10861720690.8/4

Left: 1.169+/-0.000 χ^2/NDF: 22456133868.7/10

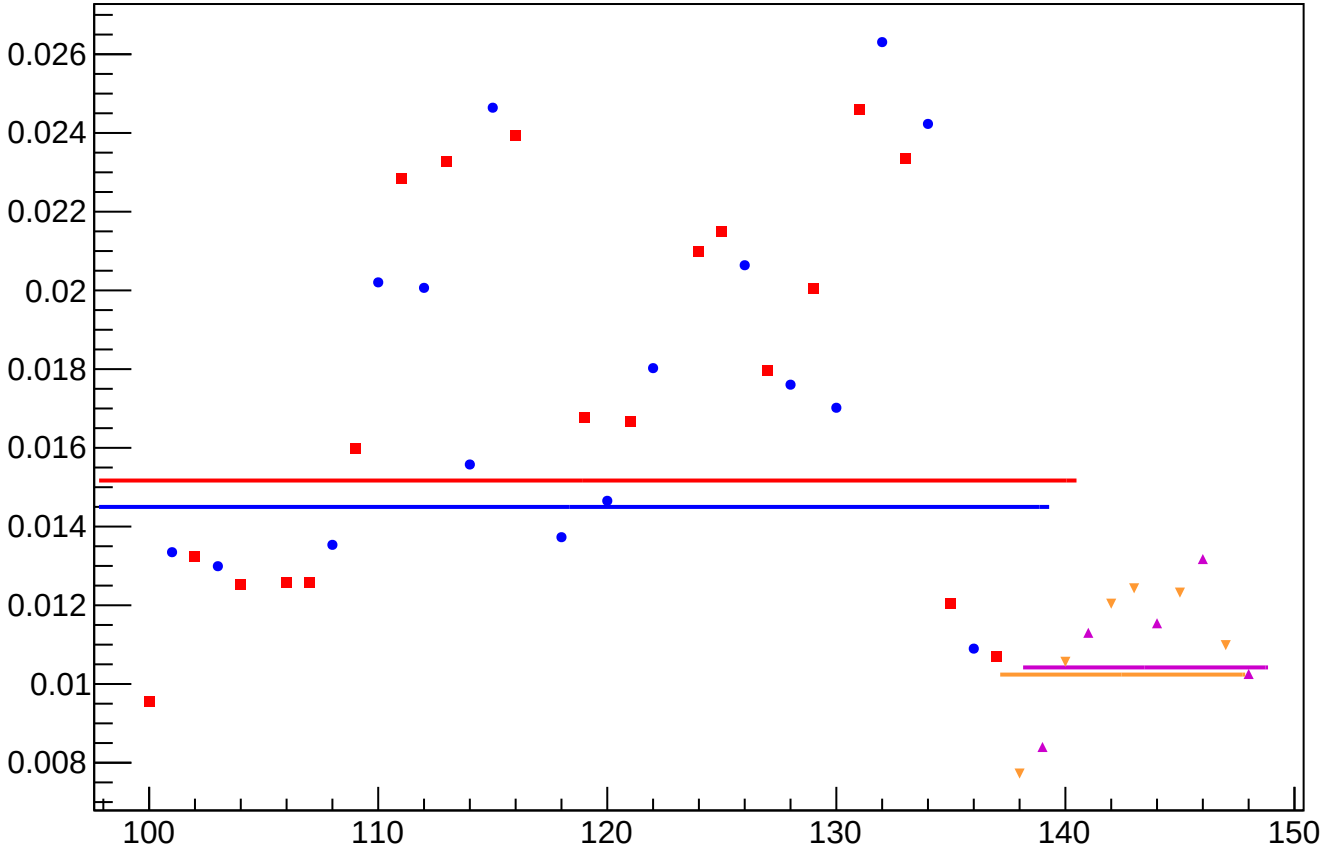
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.114+/-0.000 χ^2/NDF:12319305646.7/20

Out: 1.182+/-0.000 χ^2/NDF:13092443705.7/24

All: 1.148+/-0.000 χ^2/NDF: 25556495115.1/4

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:270957.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:182181.4/4

Left: 0.010+/-0.000 χ^2/NDF: 454340.1/10

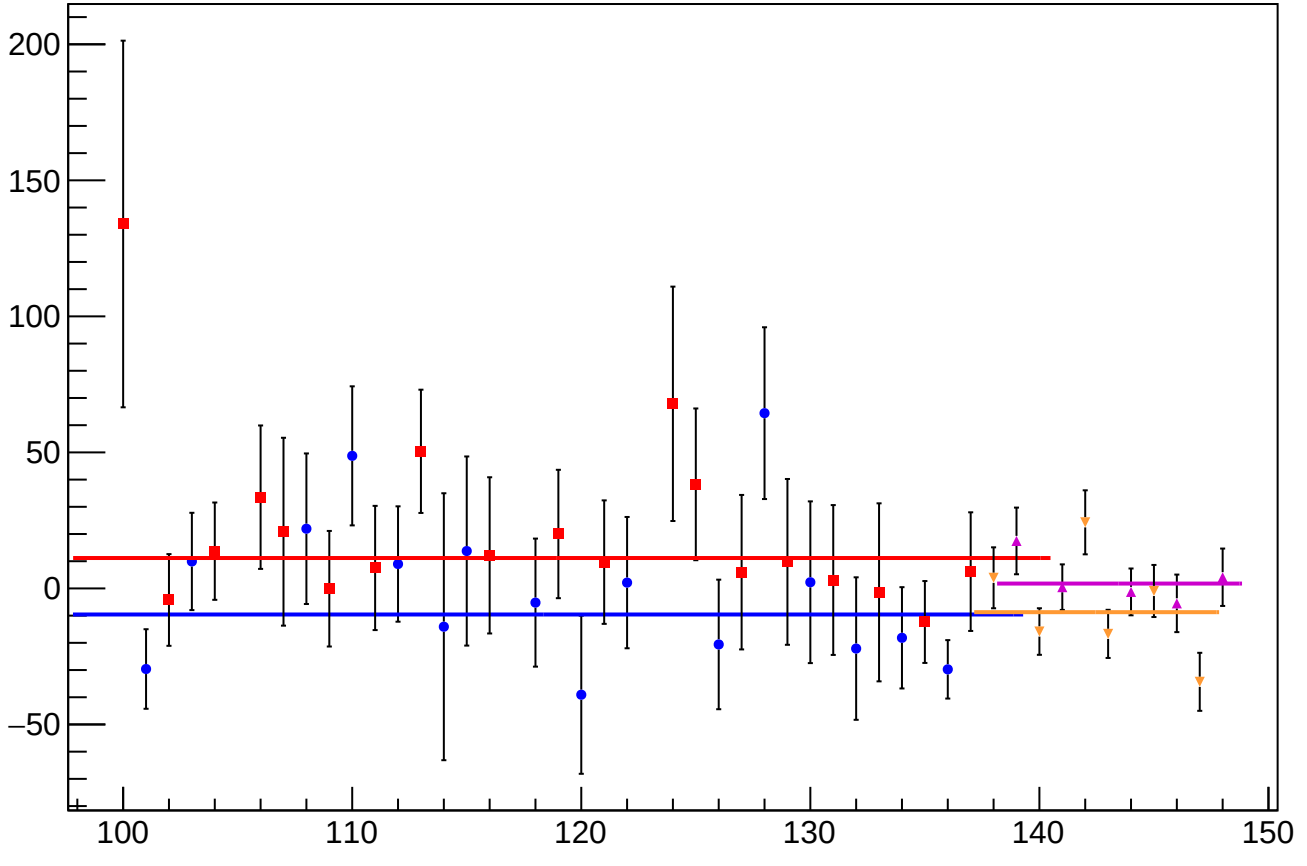
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.012+/-0.000 χ^2/NDF:1414969.4/20

Out: 0.012+/-0.000 χ^2/NDF:1893823.2/24

All: 0.012+/-0.000 χ^2/NDF: 3308902.9/45

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.729+/-4.038 χ^2/NDF:17.1/5

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.786+/-4.369 χ^2/NDF:2.3/4

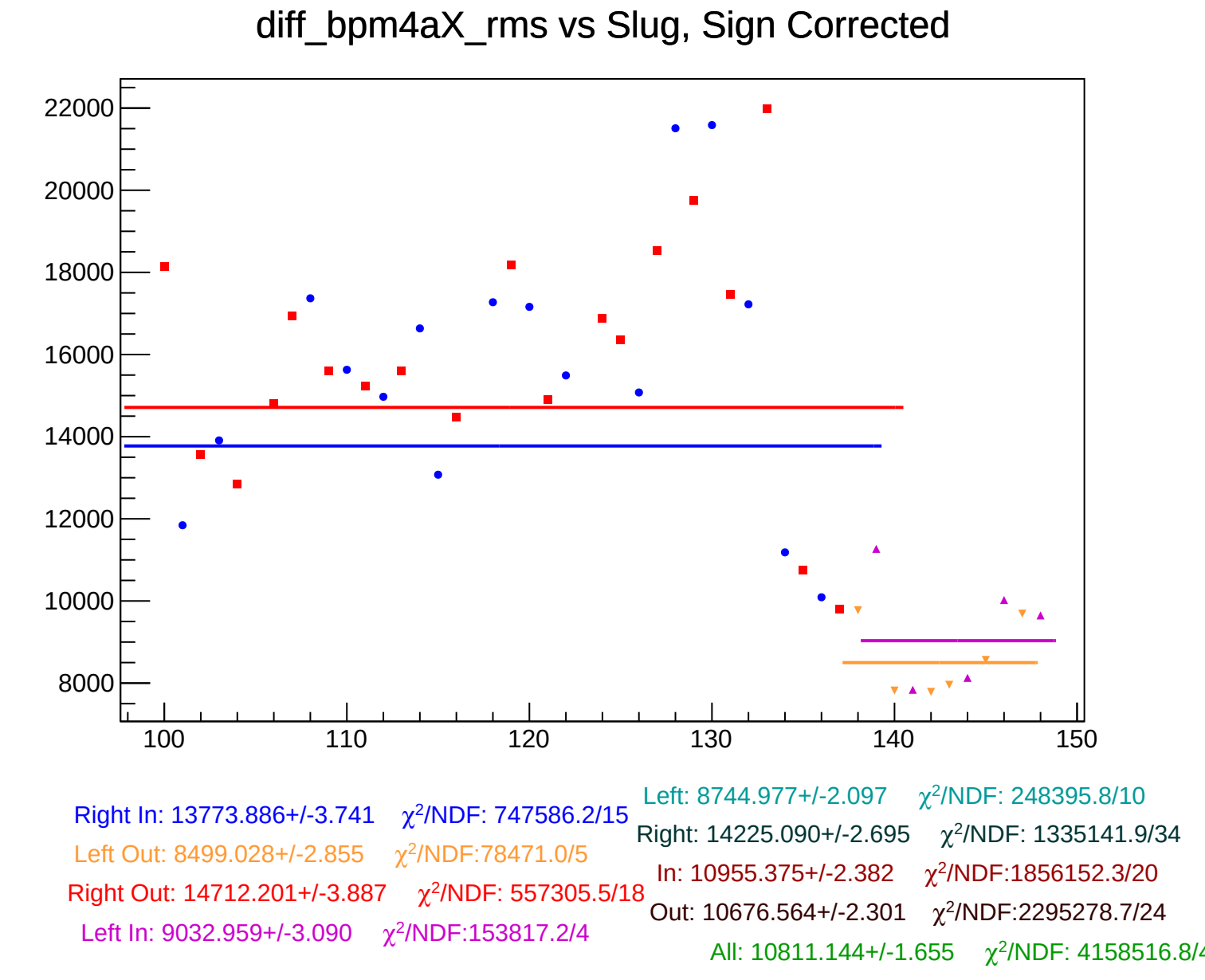
Left: -3.885+/-2.966 χ^2/NDF: 22.5/10

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

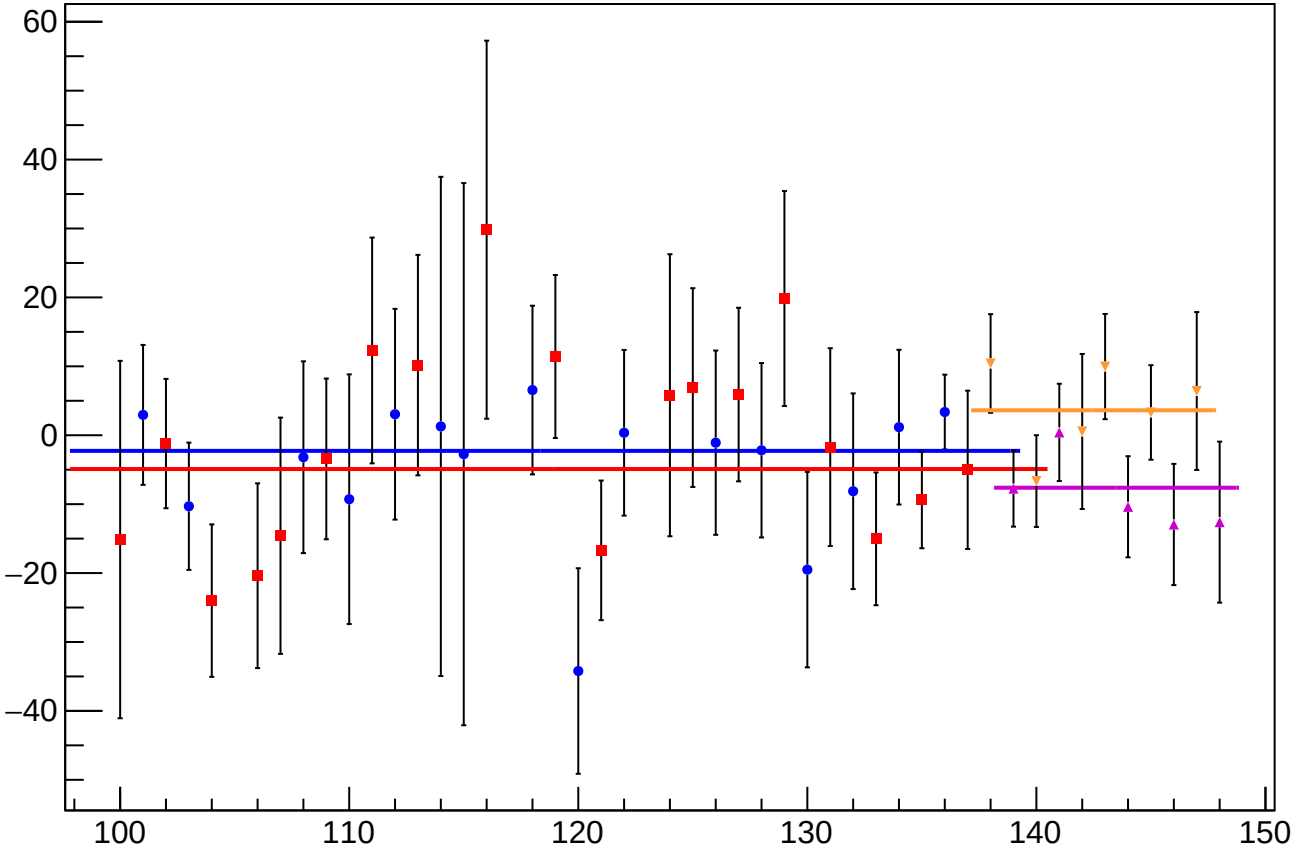
In: -2.823+/-3.369 χ^2/NDF:27.0/20

Out: -1.752+/-3.254 χ^2/NDF:39.5/24

All: -2.269+/-2.341 χ^2/NDF: 66.5/45


diff_bpm4aX_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13773.886+/-3.741 χ²/NDF: 747586.2/15
Left Out: 8499.028+/-2.855 χ²/NDF:78471.0/5
Right Out: 14712.201+/-3.887 χ²/NDF: 557305.5/18
Left In: 9032.959+/-3.090 χ²/NDF:153817.2/4
Left: 8744.977+/-2.097 χ²/NDF: 248395.8/10
Right: 14225.090+/-2.695 χ²/NDF: 1335141.9/34
In: 10955.375+/-2.382 χ²/NDF:1856152.3/20
Out: 10676.564+/-2.301 χ²/NDF:2295278.7/24
All: 10811.144+/-1.655 χ²/NDF: 4158516.8/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.618+/-3.227 χ^2/NDF:4.1/5

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -7.616+/-3.302 χ^2/NDF:2.0/4

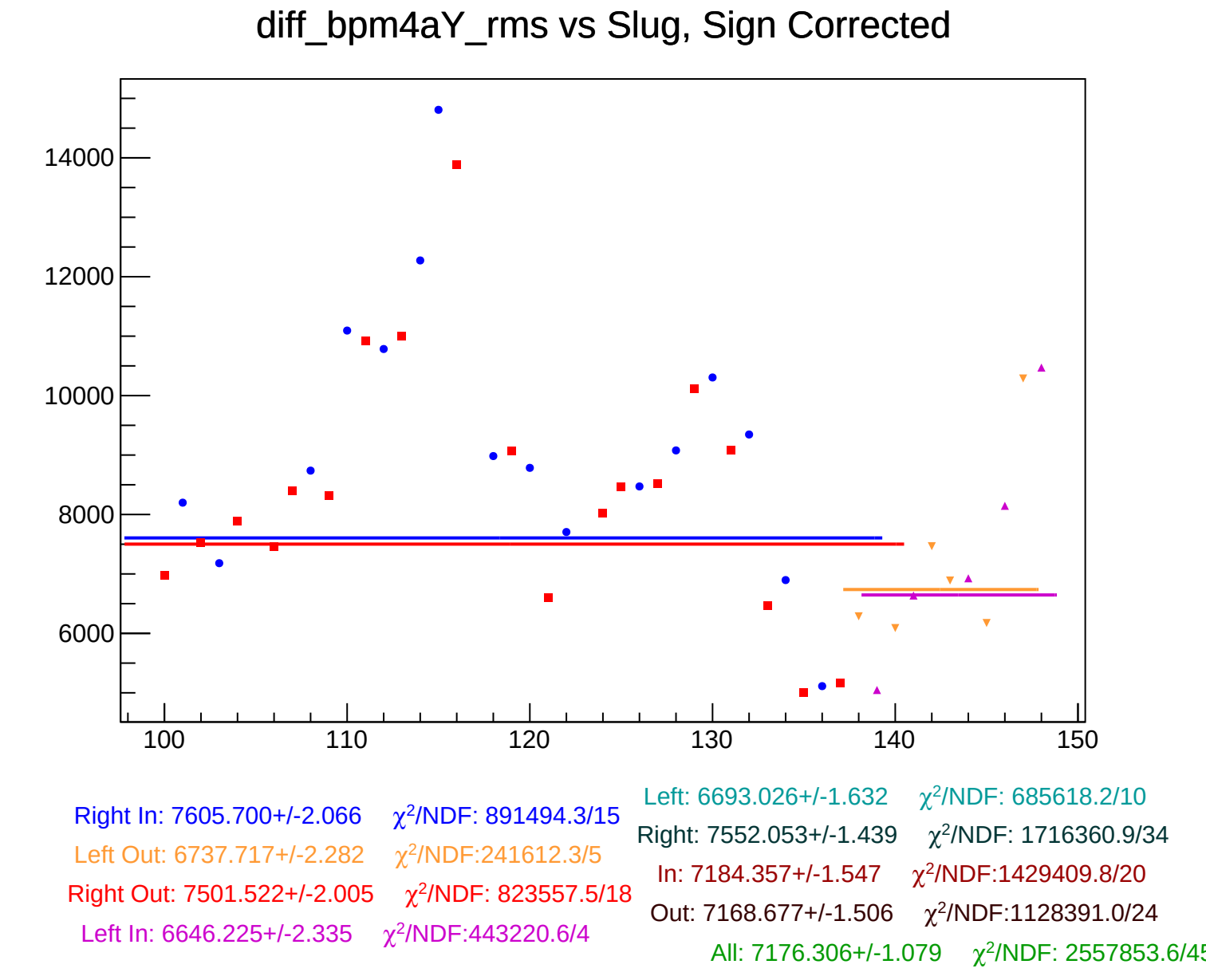
Left: -1.869+/-2.308 χ^2/NDF: 12.0/10

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

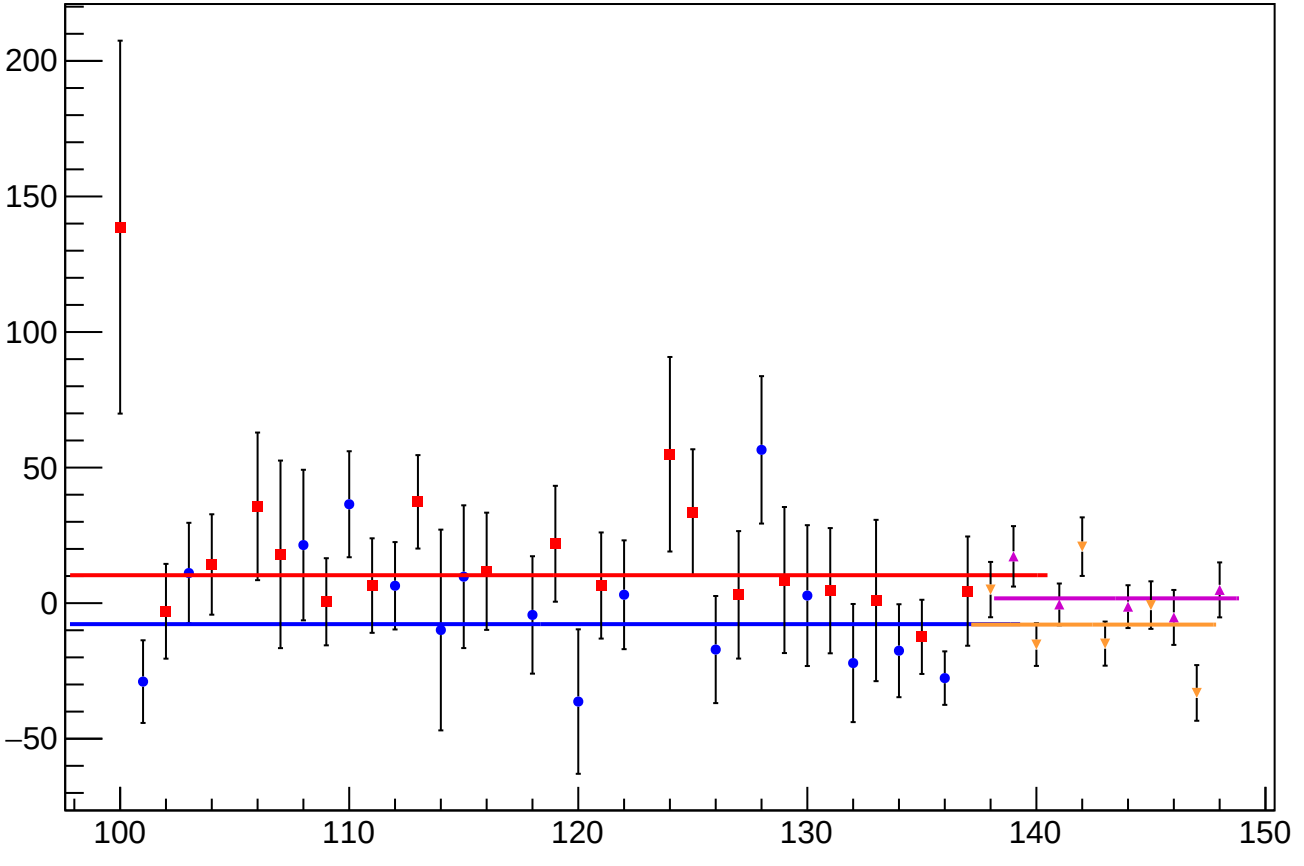
In: -4.616+/-2.188 χ^2/NDF:12.8/20

Out: -1.190+/-2.130 χ^2/NDF:25.6/24

All: -2.857+/-1.526 χ^2/NDF: 39.6/45


diff_bpm4aY_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7605.700+/-2.066 χ²/NDF: 891494.3/15
Left Out: 6737.717+/-2.282 χ²/NDF:241612.3/5
Right Out: 7501.522+/-2.005 χ²/NDF: 823557.5/18
Left In: 6646.225+/-2.335 χ²/NDF:443220.6/4
Left: 6693.026+/-1.632 χ²/NDF: 685618.2/10
Right: 7552.053+/-1.439 χ²/NDF: 1716360.9/34
In: 7184.357+/-1.547 χ²/NDF:1429409.8/20
Out: 7168.677+/-1.506 χ²/NDF:1128391.0/24
All: 7176.306+/-1.079 χ²/NDF: 2557853.6/45

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -7.911+/-3.730 χ^2/NDF:17.0/5

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.771+/-4.070 χ^2/NDF:2.7/4

Left: -3.491+/-2.750 χ^2/NDF: 22.8/10

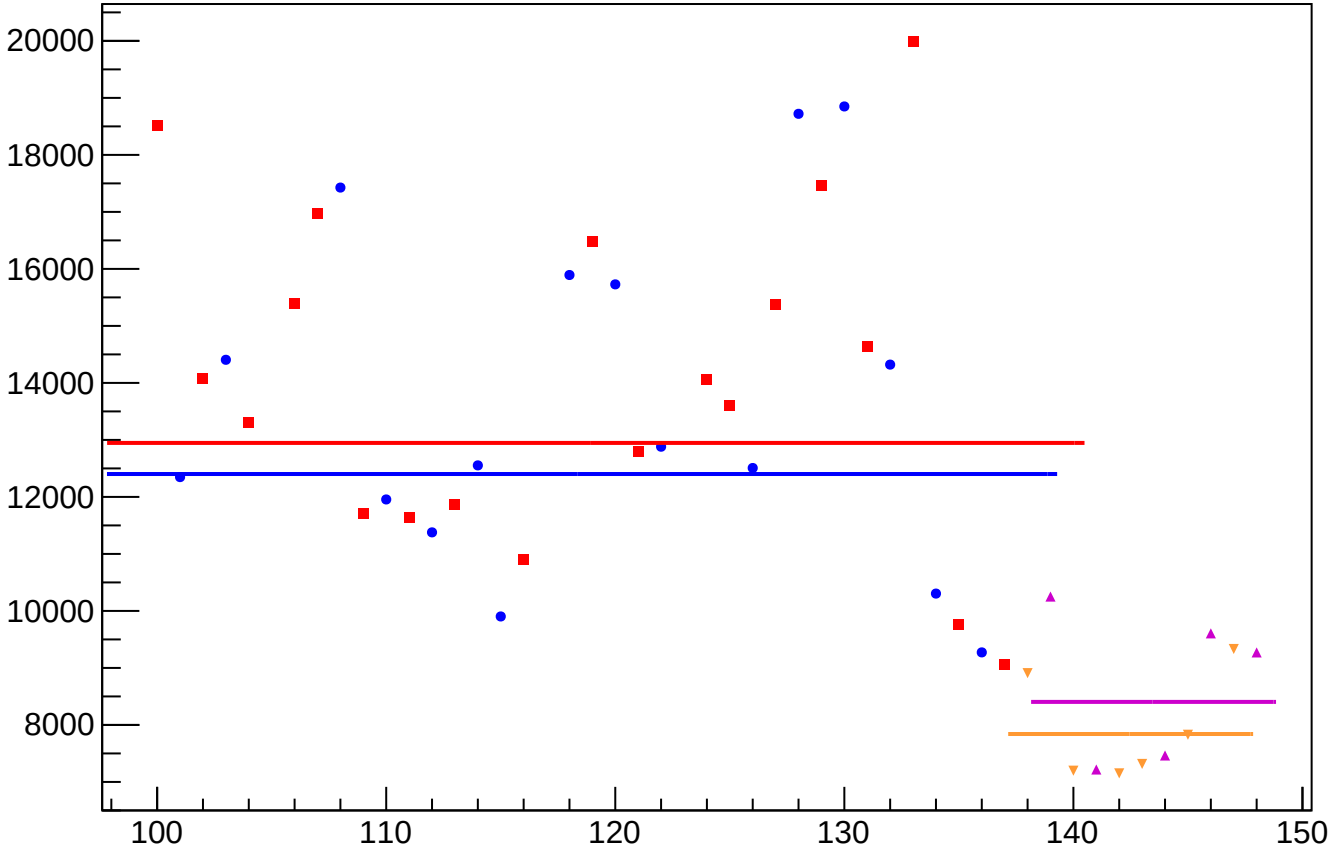
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.258+/-3.090 χ^2/NDF:27.7/20

Out: -1.122+/-2.954 χ^2/NDF:39.8/24

All: -1.664+/-2.135 χ^2/NDF: 67.6/45

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7840.927+/-2.637 χ^2/NDF:93931.5/5

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8404.126+/-2.878 χ^2/NDF:173454.2/4

Left: 8098.030+/-1.944 χ^2/NDF: 288203.4/10

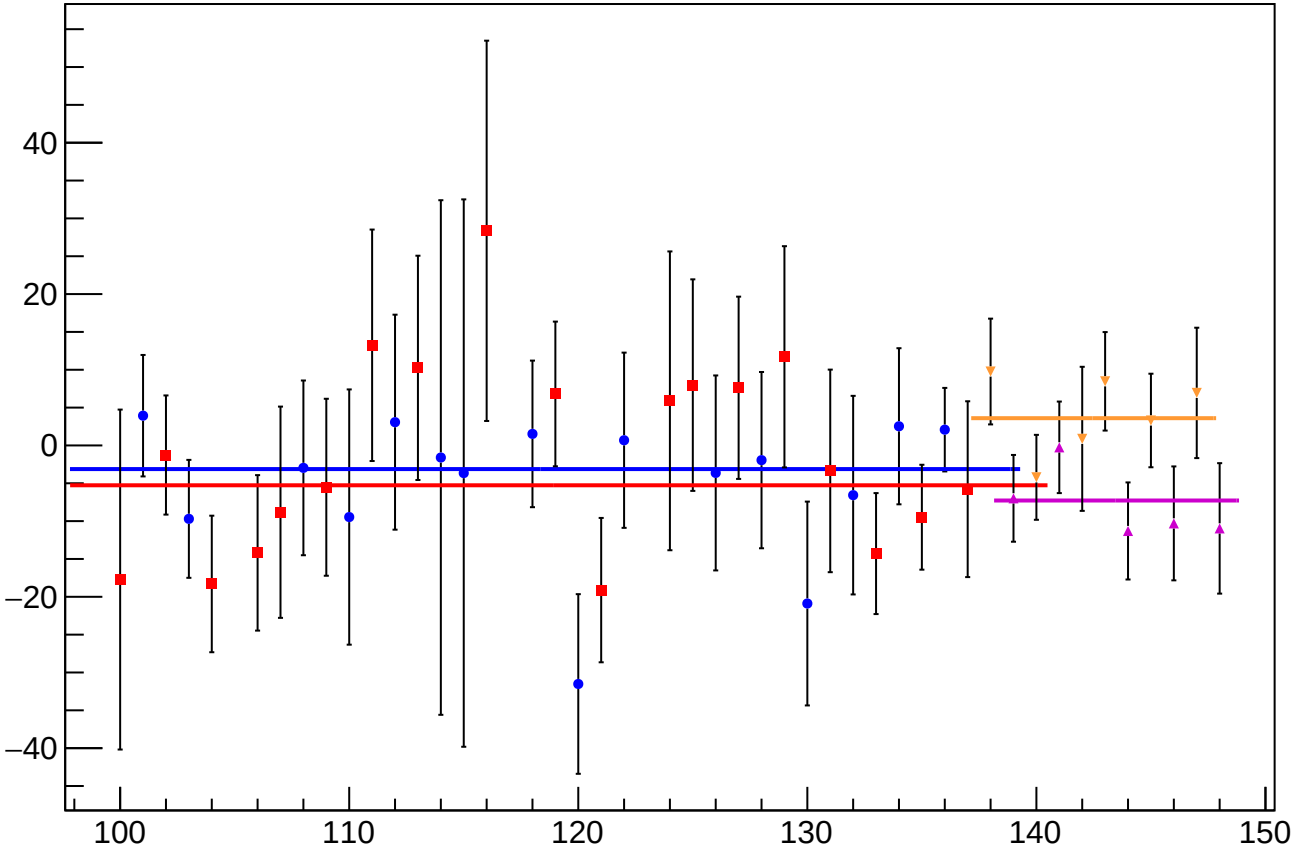
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10097.155+/-2.185 χ^2/NDF:1669064.1/20

Out: 9743.623+/-2.089 χ^2/NDF:2045955.0/24

All: 9912.455+/-1.510 χ^2/NDF: 3728696.8/45

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.601+/-2.811 χ^2/NDF:3.5/5

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -7.276+/-2.972 χ^2/NDF:2.1/4

Left: -1.534+/-2.042 χ^2/NDF: 12.7/10

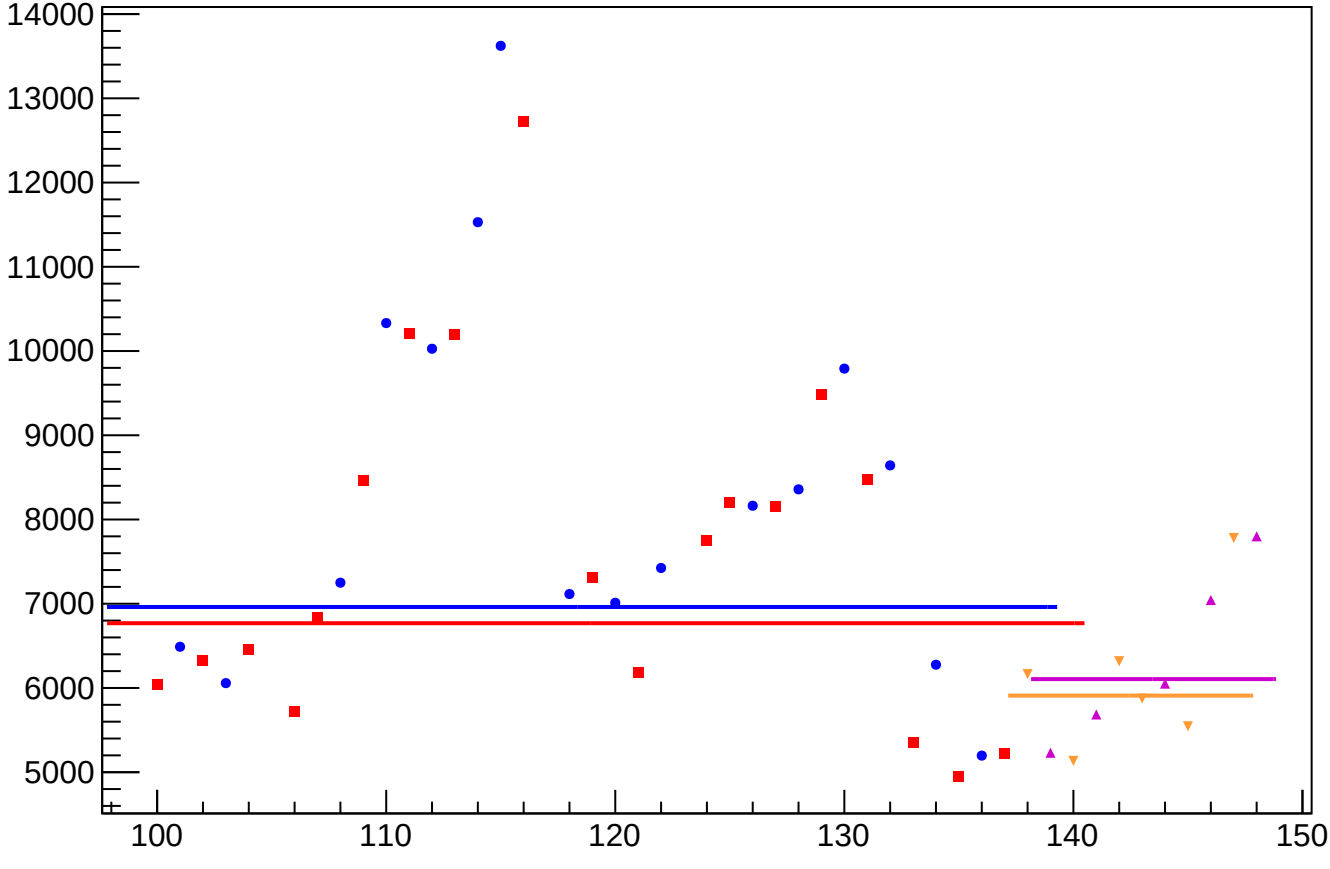
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -4.967+/-1.980 χ^2/NDF:14.1/20

Out: -1.257+/-1.890 χ^2/NDF:25.9/24

All: -3.025+/-1.367 χ^2/NDF: 41.8/45

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5909.201+/-1.988 χ^2/NDF:145910.4/5

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6105.597+/-2.102 χ^2/NDF:164739.1/4

Left: 6001.927+/-1.444 χ^2/NDF: 315258.4/10

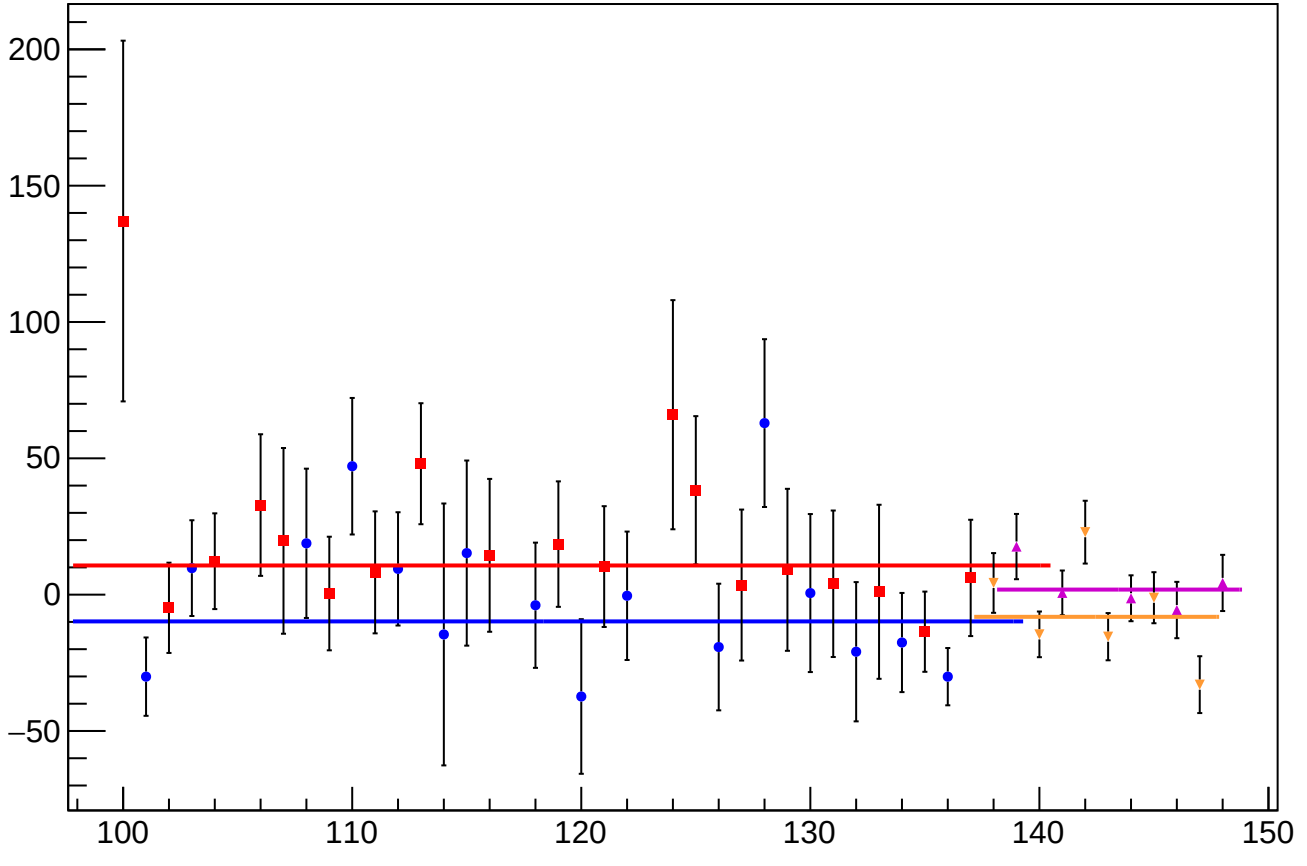
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6581.622+/-1.400 χ^2/NDF:953390.8/20

Out: 6380.368+/-1.336 χ^2/NDF:1046541.7/24

All: 6476.295+/-0.967 χ^2/NDF: 2010742.3/45

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -8.134+/-3.951 χ^2/NDF:16.1/5

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.858+/-4.273 χ^2/NDF:2.5/4

Left: -3.529+/-2.901 χ^2/NDF: 21.5/10

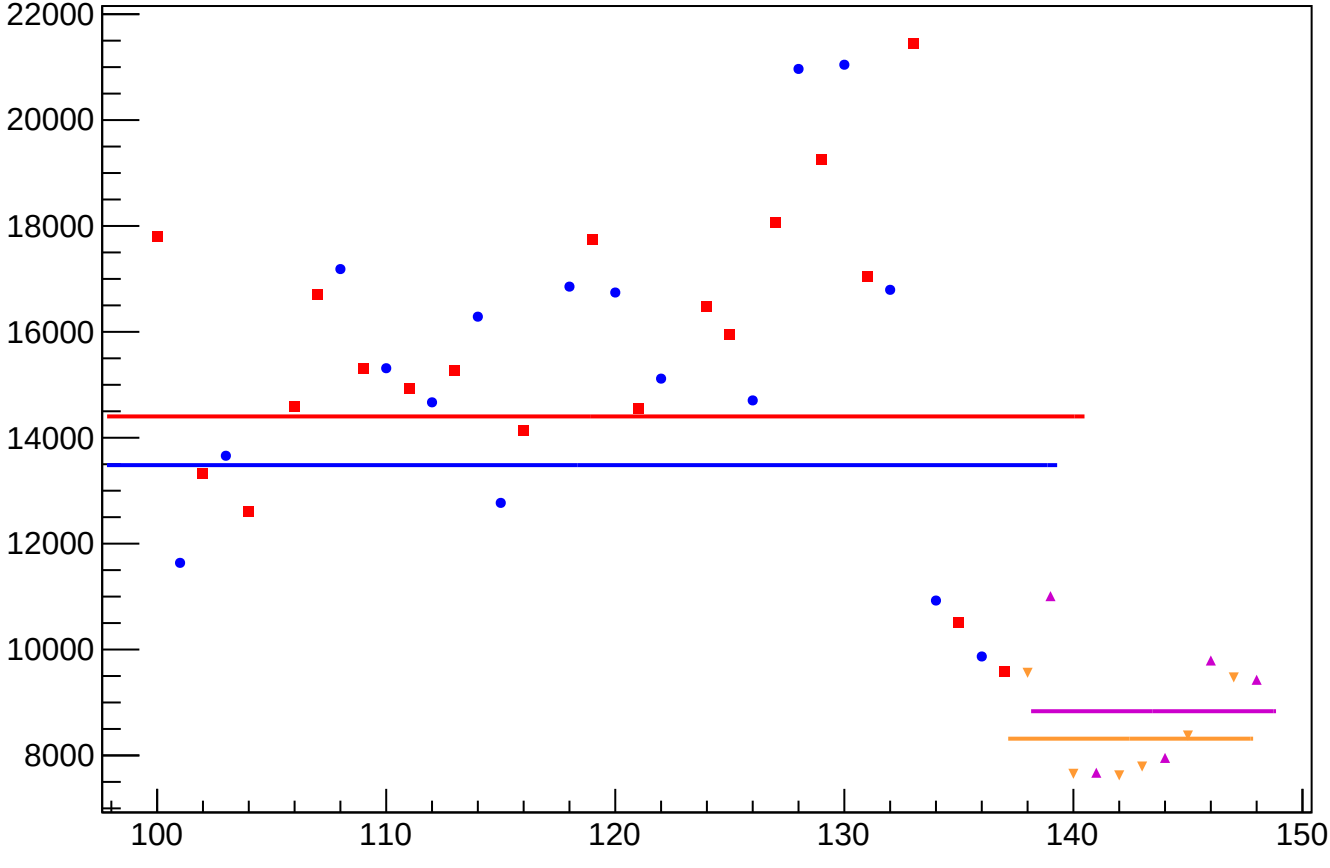
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.869+/-3.296 χ^2/NDF:27.5/20

Out: -1.535+/-3.184 χ^2/NDF:38.4/24

All: -2.179+/-2.290 χ^2/NDF: 66.0/45

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8316.456+/-2.794 χ^2/NDF:77691.8/5

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8834.943+/-3.021 χ^2/NDF:151901.0/4

Left: 8555.413+/-2.051 χ^2/NDF: 245468.3/10

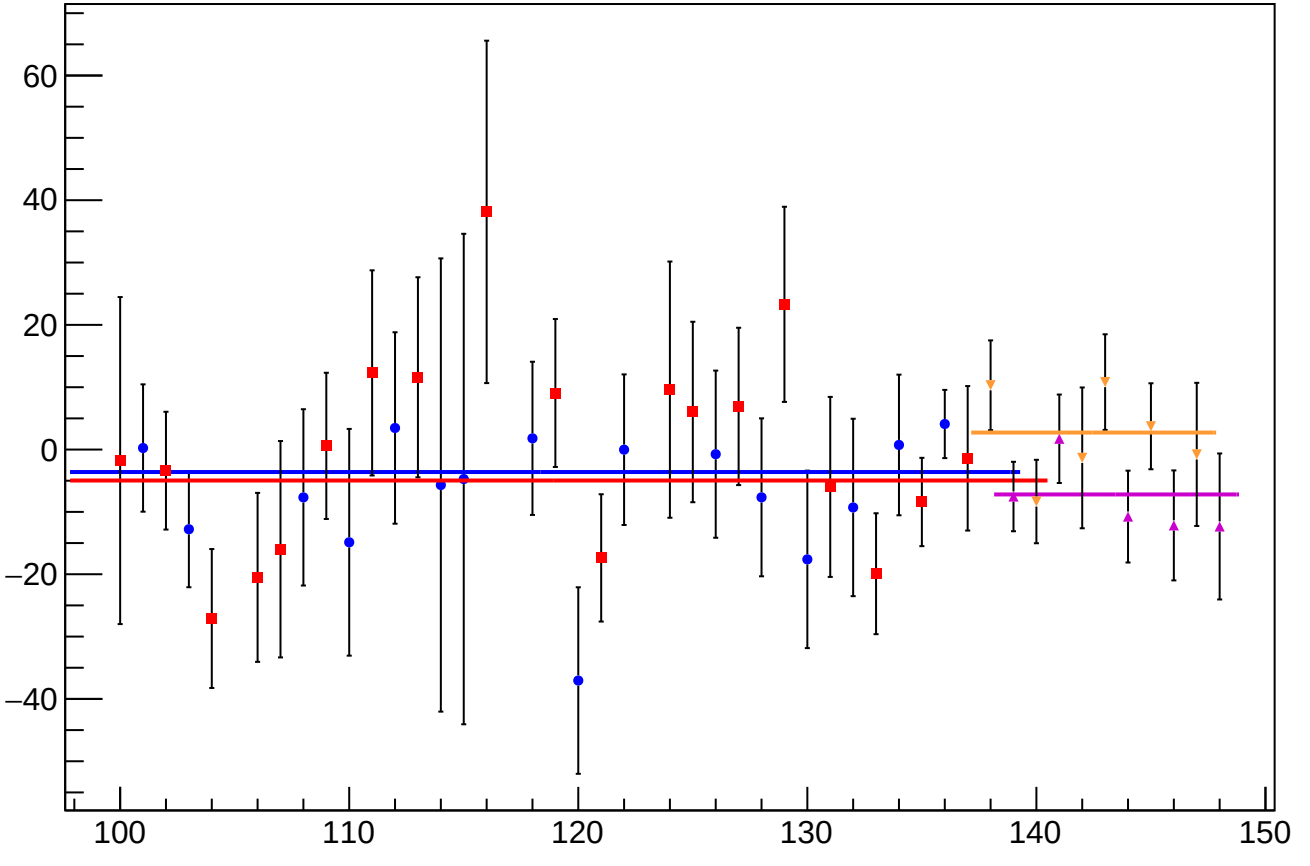
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10717.858+/-2.330 χ^2/NDF:1854243.2/20

Out: 10448.368+/-2.252 χ^2/NDF:2292723.1/24

All: 10578.488+/-1.619 χ^2/NDF: 4153882.0/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.727+/-3.243 χ^2/NDF:5.2/5

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -7.201+/-3.321 χ^2/NDF:2.3/4

Left: -2.119+/-2.320 χ^2/NDF: 12.1/10

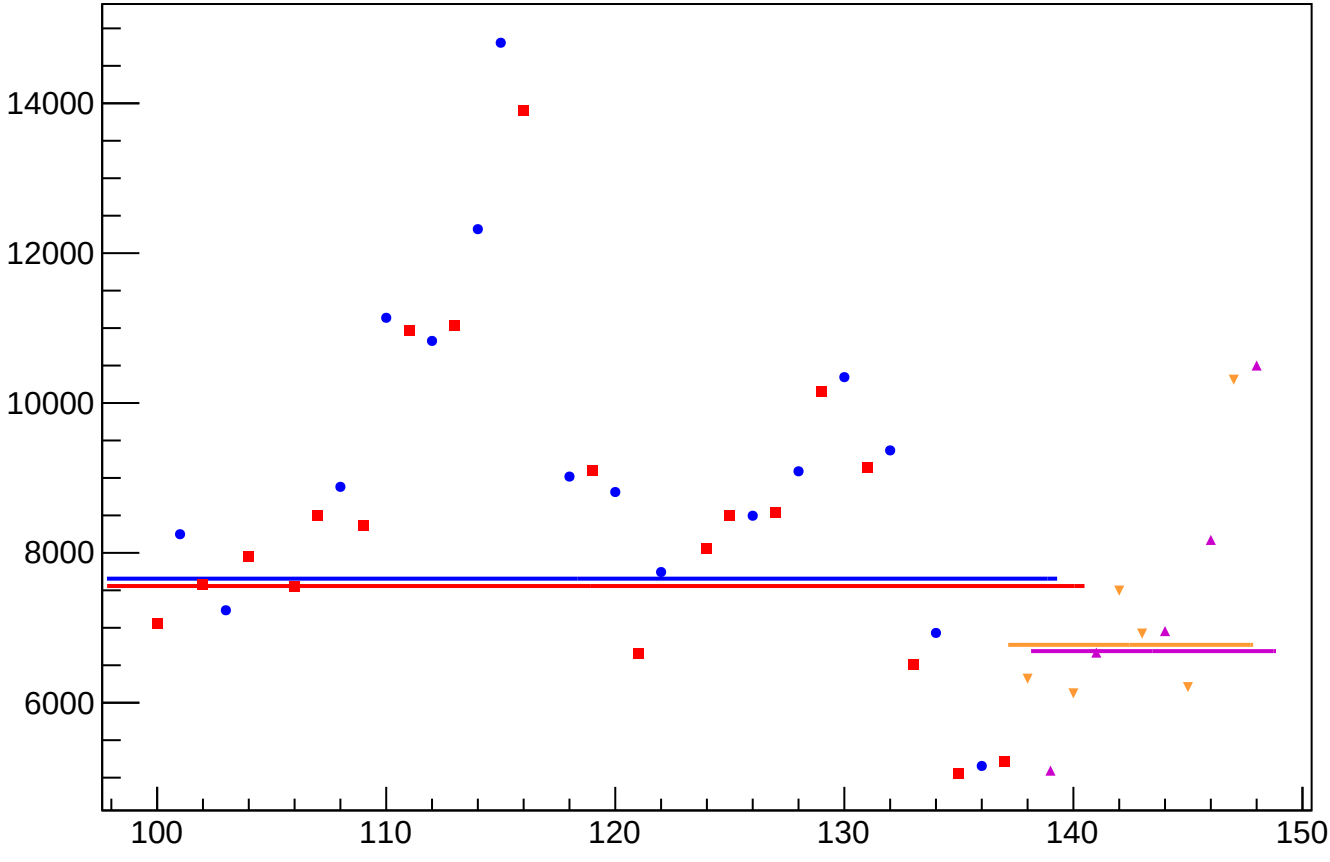
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -5.185+/-2.201 χ^2/NDF:13.5/20

Out: -1.606+/-2.143 χ^2/NDF:29.7/24

All: -3.348+/-1.536 χ^2/NDF: 44.6/45

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6772.590+/-2.293 χ^2/NDF:238939.8/5

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6688.755+/-2.348 χ^2/NDF:435142.5/4

Left: 6731.671+/-1.641 χ^2/NDF: 674734.7/10

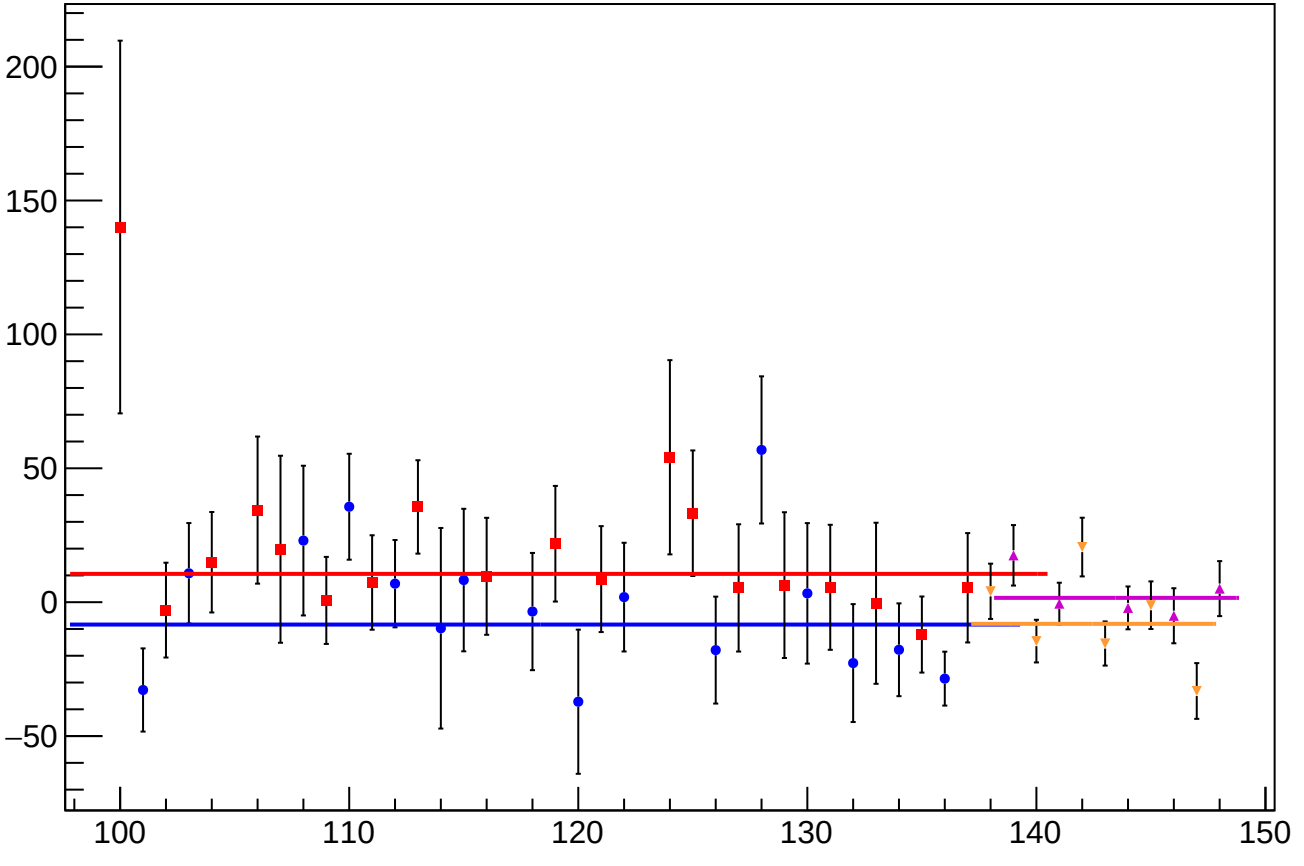
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7230.968+/-1.557 χ^2/NDF:1409992.5/20

Out: 7214.714+/-1.515 χ^2/NDF:1114797.2/24

All: 7222.623+/-1.086 χ^2/NDF: 2524845.7/45

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.086+/-3.778 χ^2/NDF:16.1/5

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.617+/-4.124 χ^2/NDF:2.8/4

Left: -3.658+/-2.786 χ^2/NDF: 21.9/10

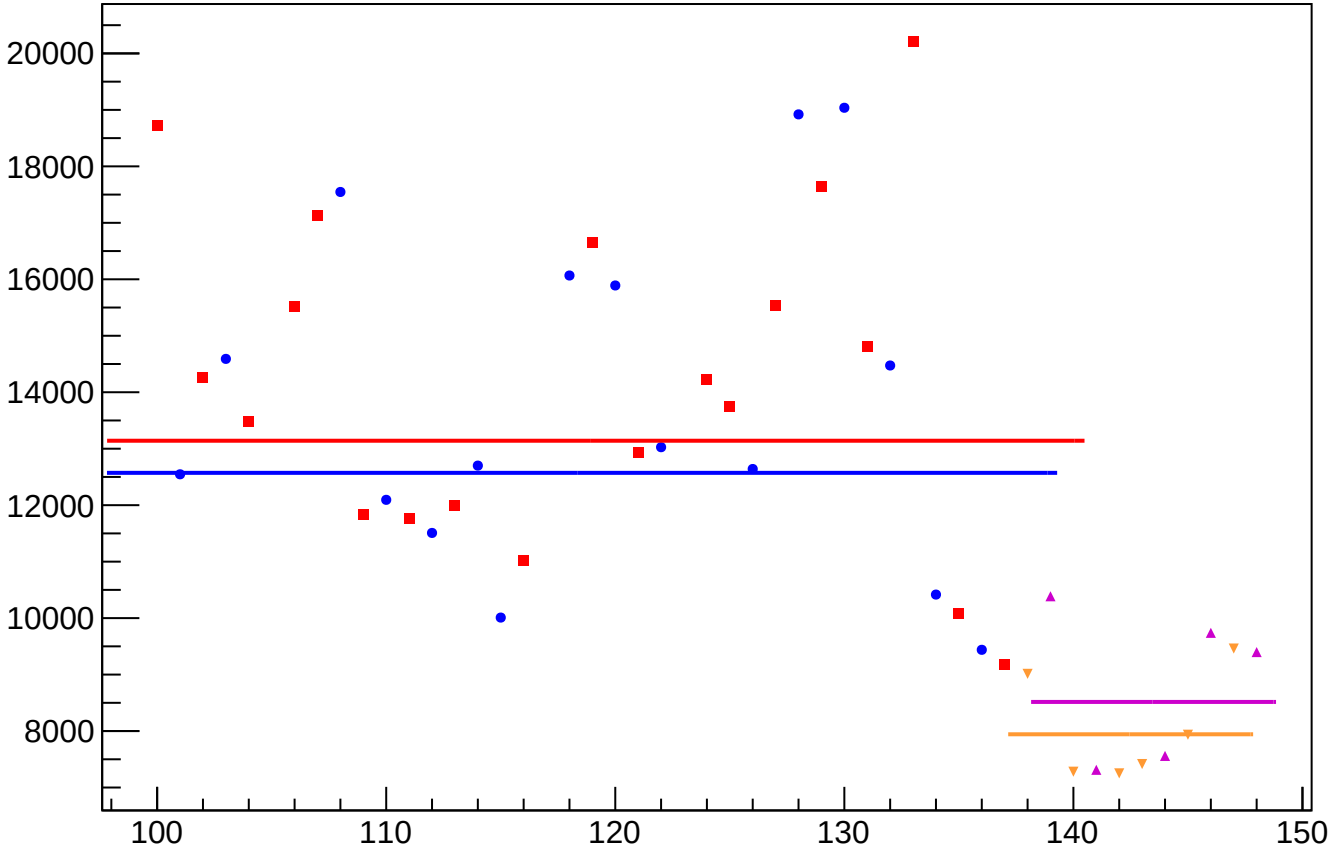
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.603+/-3.132 χ^2/NDF:28.5/20

Out: -1.148+/-2.995 χ^2/NDF:38.1/24

All: -1.843+/-2.164 χ^2/NDF: 66.7/45

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7942.775+/-2.672 χ^2/NDF:94019.0/5

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8515.728+/-2.916 χ^2/NDF:173958.1/4

Left: 8204.247+/-1.970 χ^2/NDF: 288965.5/10

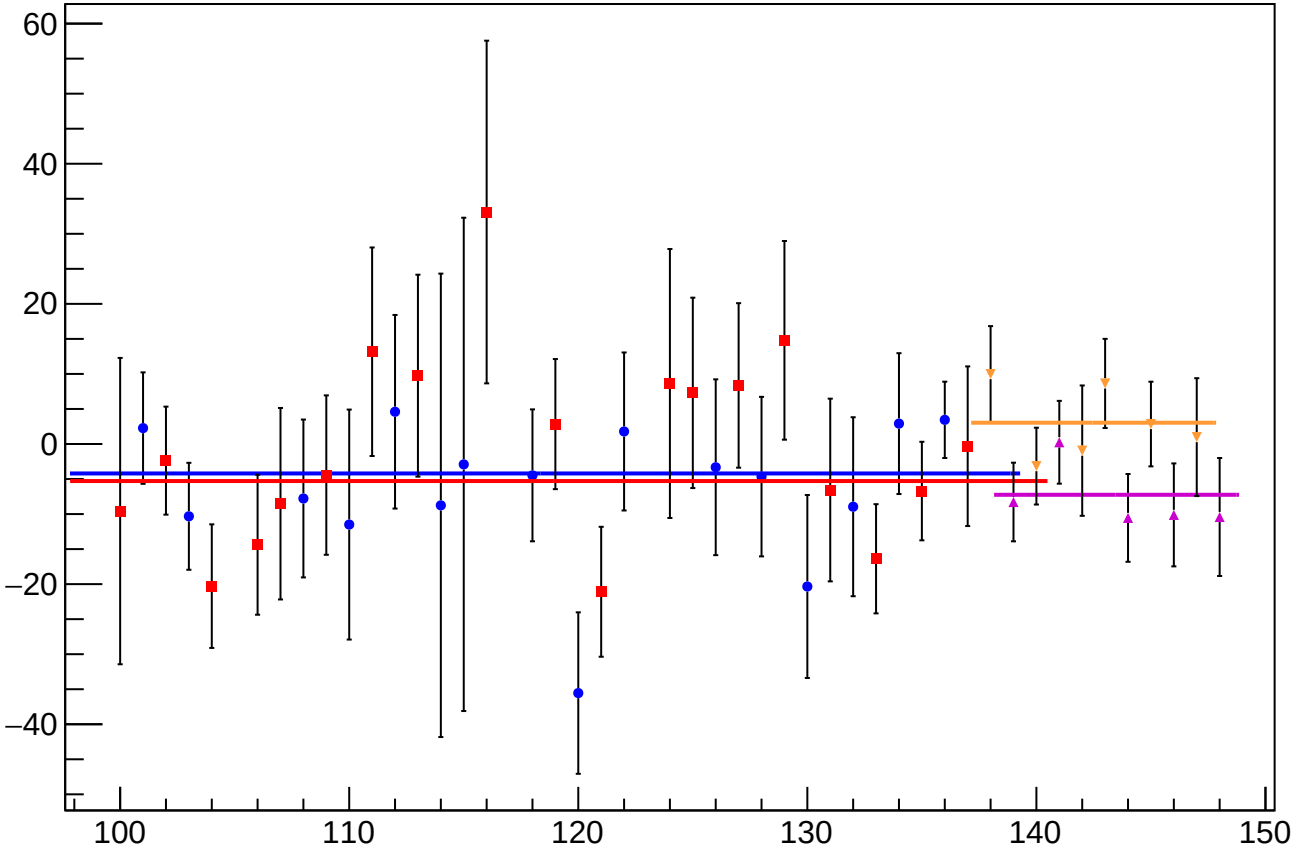
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10232.850+/-2.214 χ^2/NDF:1658242.5/20

Out: 9875.734+/-2.117 χ^2/NDF:2036513.0/24

All: 10046.299+/-1.530 χ^2/NDF: 3708340.4/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.038+/-2.749 χ^2/NDF:3.3/5

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -7.249+/-2.905 χ^2/NDF:2.2/4

Left: -1.821+/-1.997 χ^2/NDF: 12.2/10

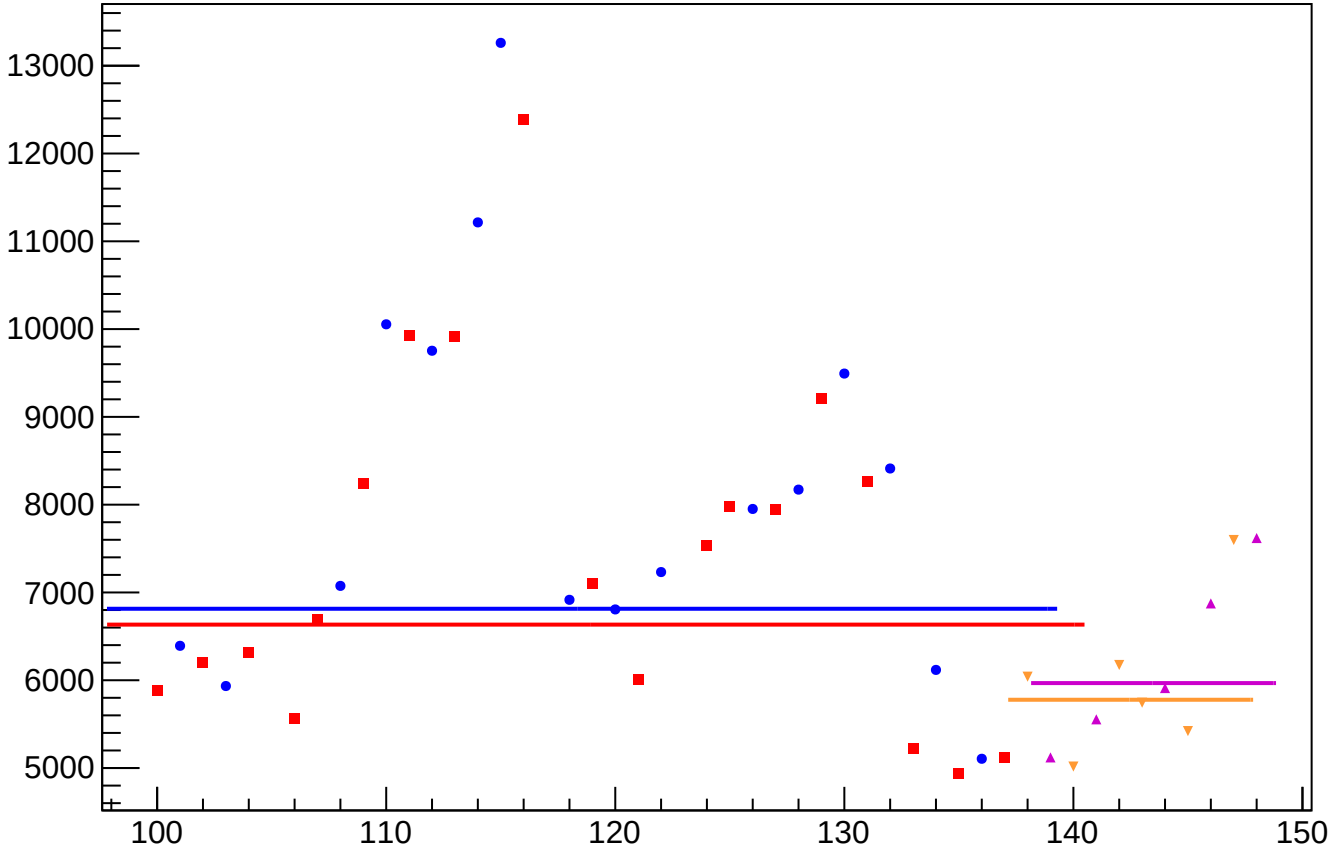
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -5.559+/-1.938 χ^2/NDF:16.7/20

Out: -1.515+/-1.850 χ^2/NDF:28.1/24

All: -3.443+/-1.338 χ^2/NDF: 47.0/45

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5777.798+/-1.944 χ^2/NDF:145739.8/5

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5967.675+/-2.054 χ^2/NDF:162968.7/4

Left: 5867.485+/-1.412 χ^2/NDF: 313216.9/10

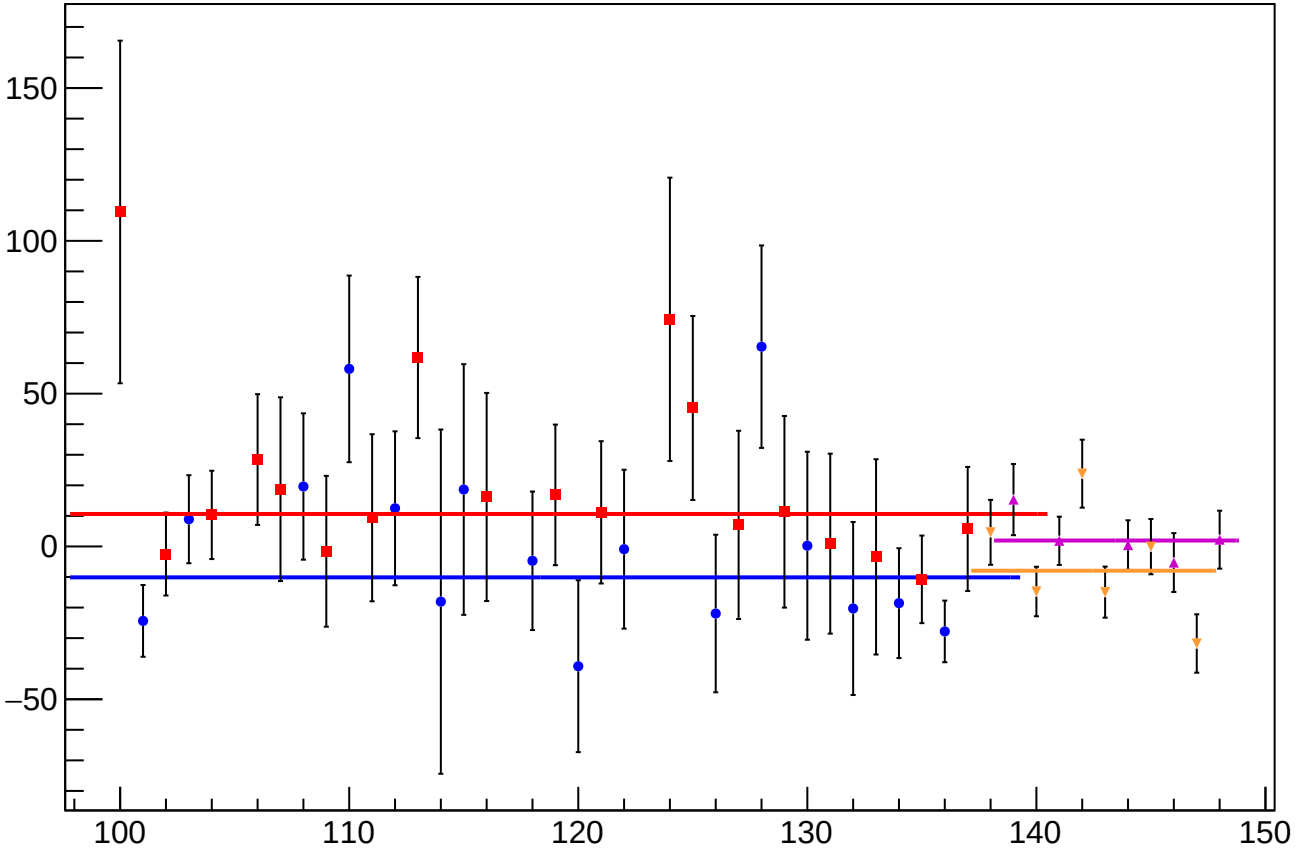
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6437.687+/-1.370 χ^2/NDF:931364.4/20

Out: 6245.845+/-1.308 χ^2/NDF:1015143.8/24

All: 6337.347+/-0.946 χ^2/NDF: 1956763.7/45

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -7.942+/-3.789 χ^2/NDF:17.9/5

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.941+/-4.065 χ^2/NDF:1.9/4

Left: -3.348+/-2.772 χ^2/NDF: 23.0/10

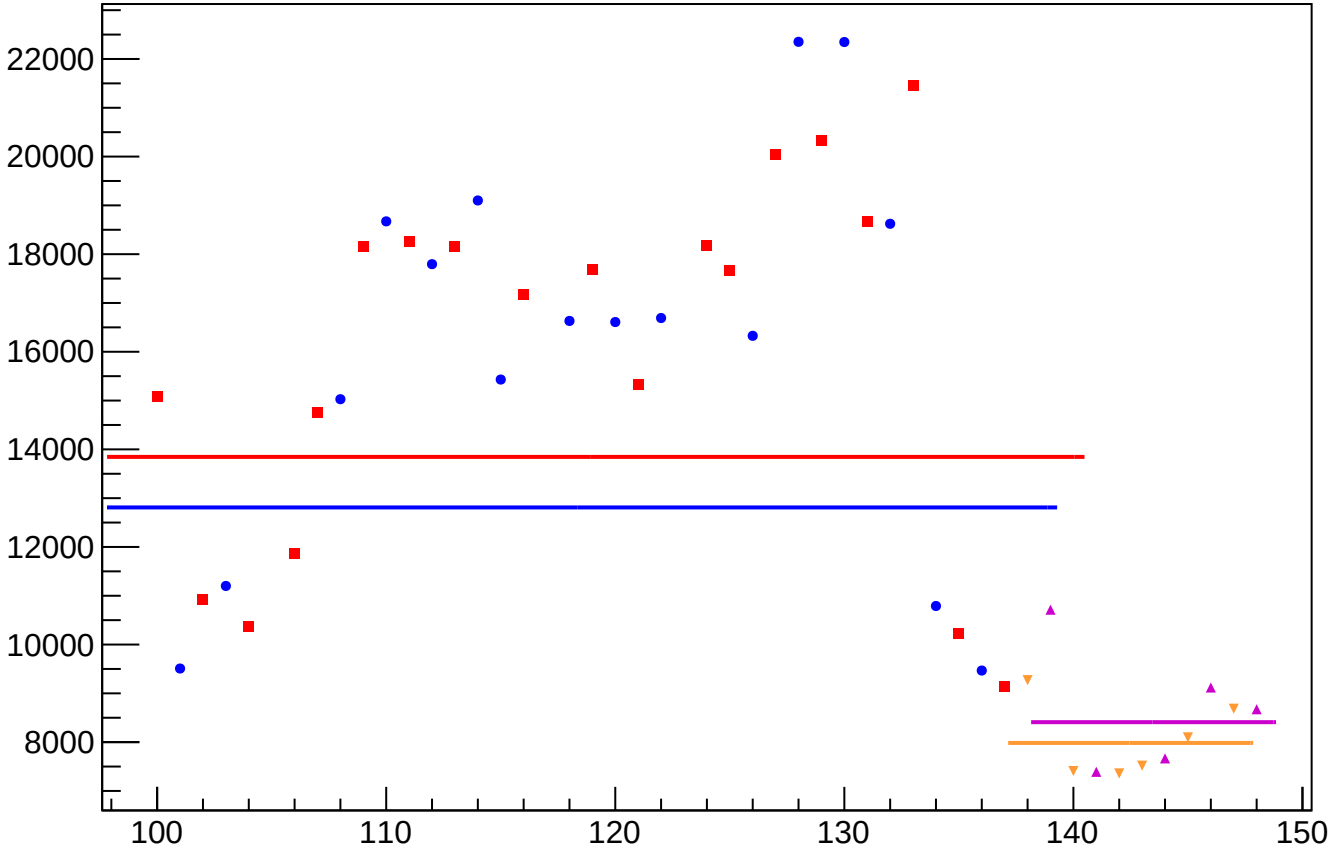
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.836+/-3.159 χ^2/NDF:26.7/20

Out: -1.626+/-3.078 χ^2/NDF:40.8/24

All: -2.216+/-2.204 χ^2/NDF: 67.6/45

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7983.935+/-2.679 χ^2/NDF:63055.2/5

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8409.492+/-2.875 χ^2/NDF:140666.3/4

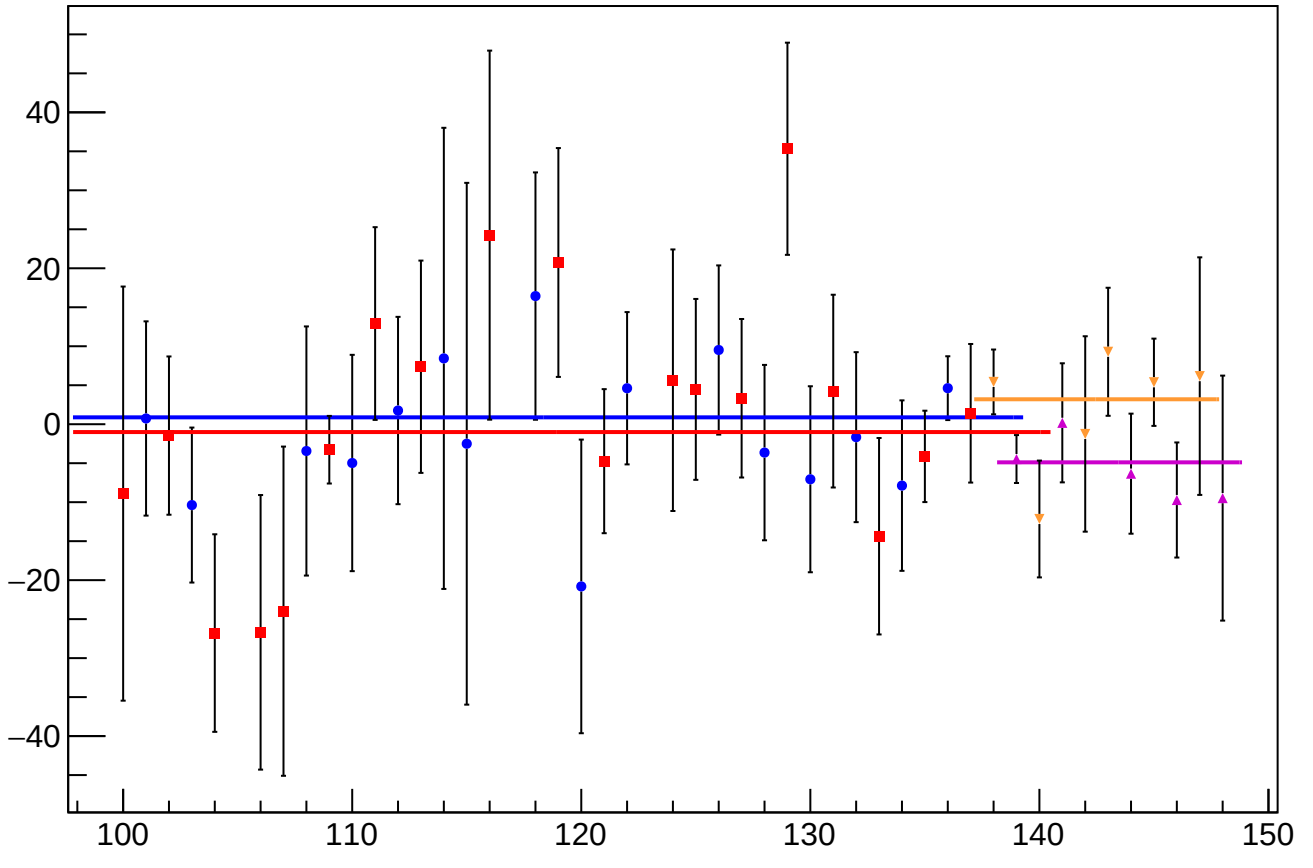
Left: 8181.751+/-1.960 χ^2/NDF: 215449.8/10

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 10153.544+/-2.233 χ^2/NDF:2317667.5/20

Out: 9977.989+/-2.176 χ^2/NDF:2788070.3/24

All: 10063.488+/-1.559 χ^2/NDF: 5108907.1/4



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.198+/-2.740 χ^2/NDF:5.4/5

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -4.890+/-2.482 χ^2/NDF:1.0/4

Left: -1.245+/-1.839 χ^2/NDF: 11.1/10

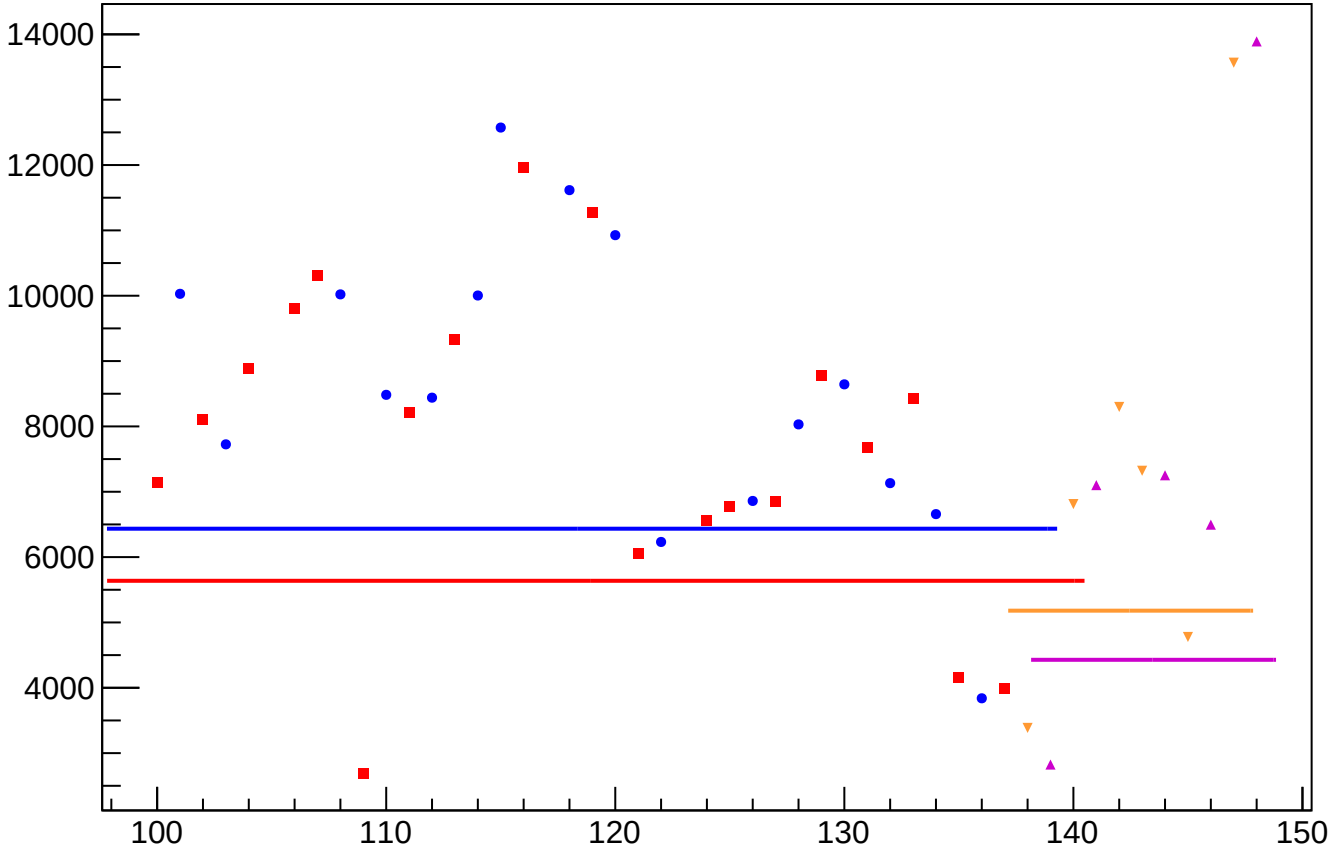
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -2.101+/-1.784 χ^2/NDF:10.4/20

Out: 0.744+/-1.768 χ^2/NDF:29.0/24

All: -0.665+/-1.256 χ^2/NDF: 40.8/45

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5180.304+/-1.938 χ^2/NDF:1343827.1/5

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4428.240+/-1.755 χ^2/NDF:1941241.4/4

Left: 4767.153+/-1.301 χ^2/NDF: 3367832.6/10

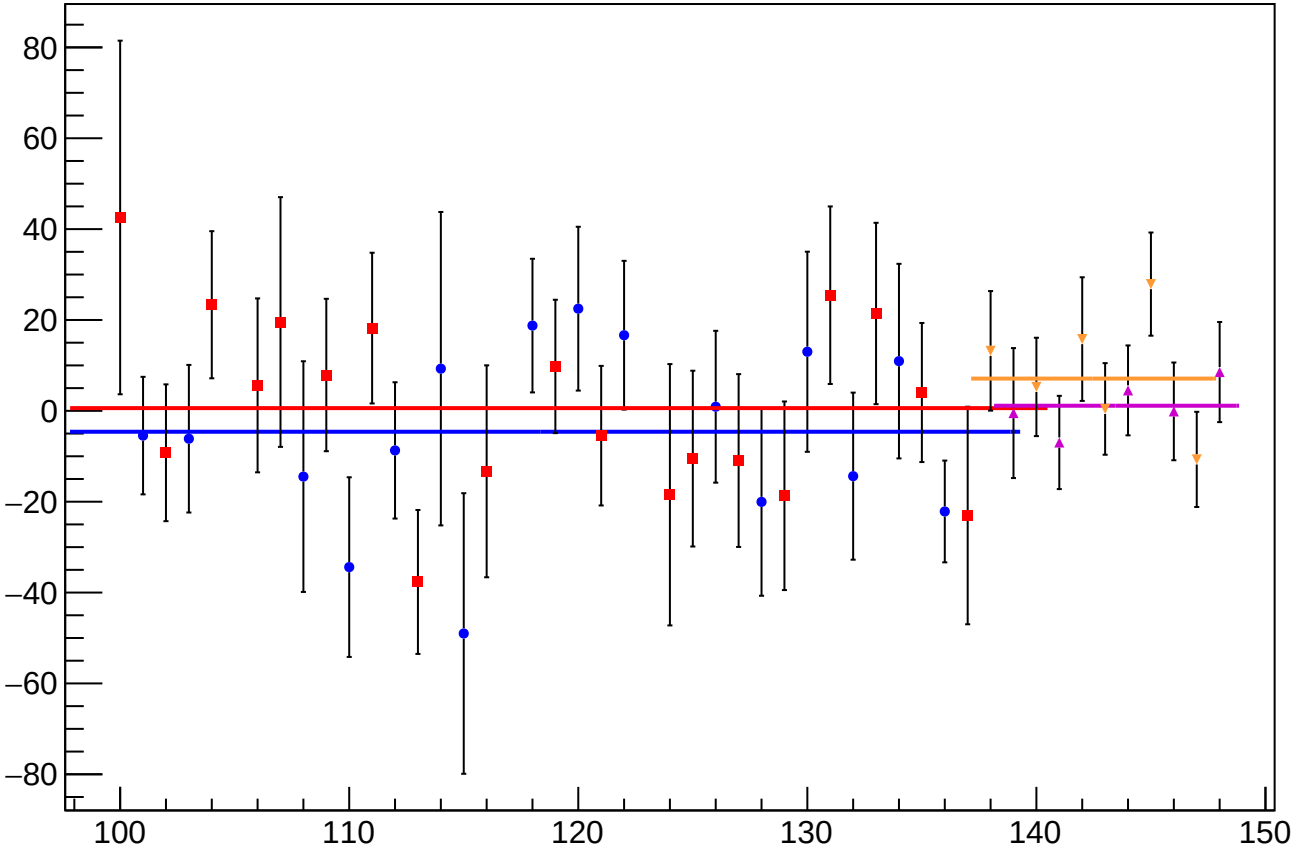
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5397.911+/-1.261 χ^2/NDF:4323568.9/20

Out: 5447.100+/-1.250 χ^2/NDF:3956320.3/24

All: 5422.728+/-0.888 χ^2/NDF: 8280656.3/45

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.100+/-4.642 χ^2/NDF:7.3/5

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.126+/-4.911 χ^2/NDF:1.2/4

Left: 4.281+/-3.373 χ^2/NDF: 9.3/10

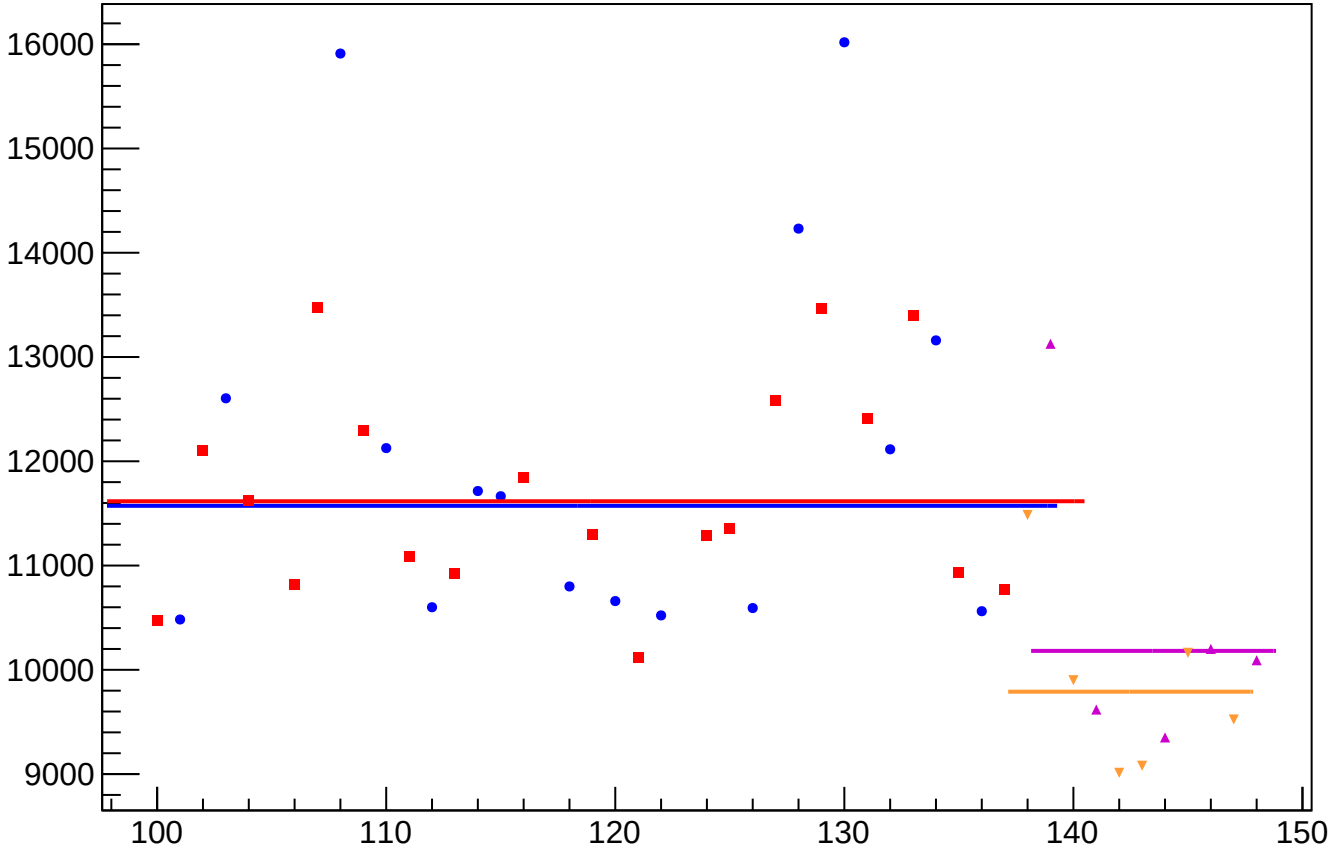
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -2.080+/-3.258 χ^2/NDF:17.8/20

Out: 3.577+/-3.141 χ^2/NDF:26.3/24

All: 0.851+/-2.261 χ^2/NDF: 45.6/45

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9790.083+/-3.282 χ^2/NDF:53302.2/5

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10181.539+/-3.472 χ^2/NDF:105006.8/4

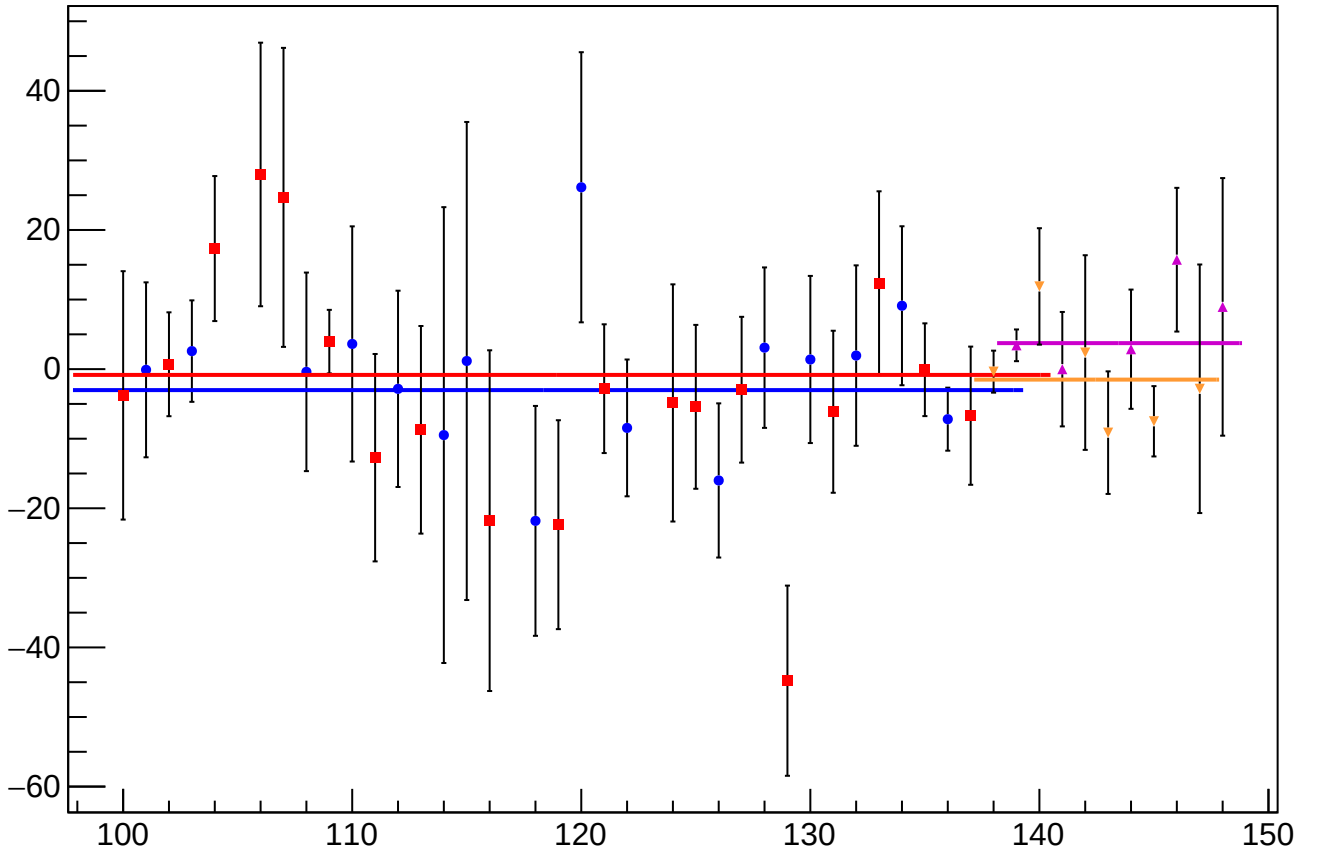
Left: 9974.791+/-2.385 χ^2/NDF: 165021.1/10

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 10960.512+/-2.304 χ^2/NDF:454972.9/20

Out: 10780.213+/-2.221 χ^2/NDF:314367.1/24

All: 10867.066+/-1.599 χ^2/NDF: 772514.2/45



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.506+/-2.329 χ^2/NDF:4.9/5

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.737+/-2.071 χ^2/NDF:1.7/4

Left: 1.421+/-1.548 χ^2/NDF: 9.4/10

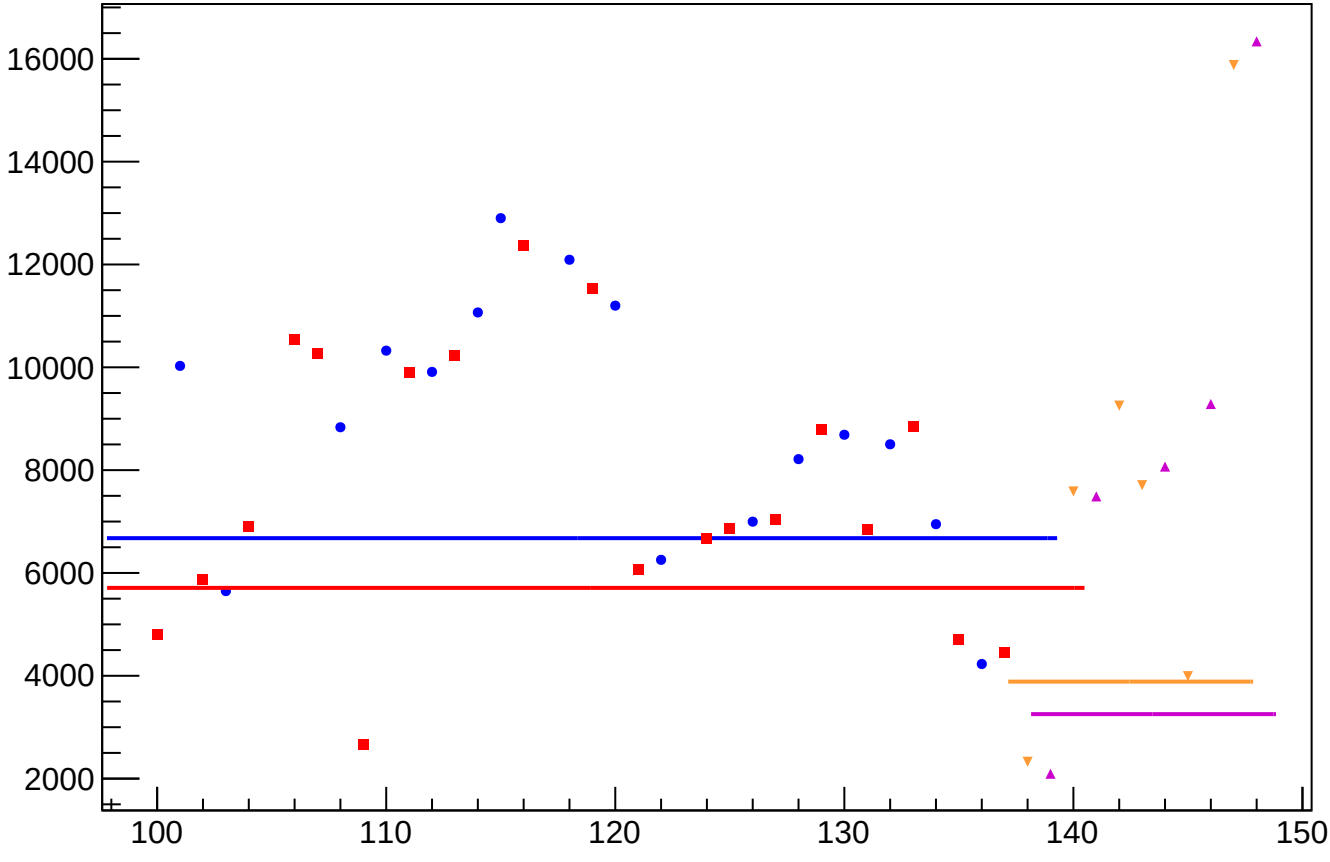
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 1.181+/-1.633 χ^2/NDF:14.3/20

Out: -1.172+/-1.655 χ^2/NDF:28.8/24

All: 0.020+/-1.162 χ^2/NDF: 44.2/45

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3886.679+/-1.647 χ^2/NDF:2497633.5/5

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3254.186+/-1.465 χ^2/NDF:3360098.7/4

Left: 3533.582+/-1.094 χ^2/NDF: 5940098.1/10

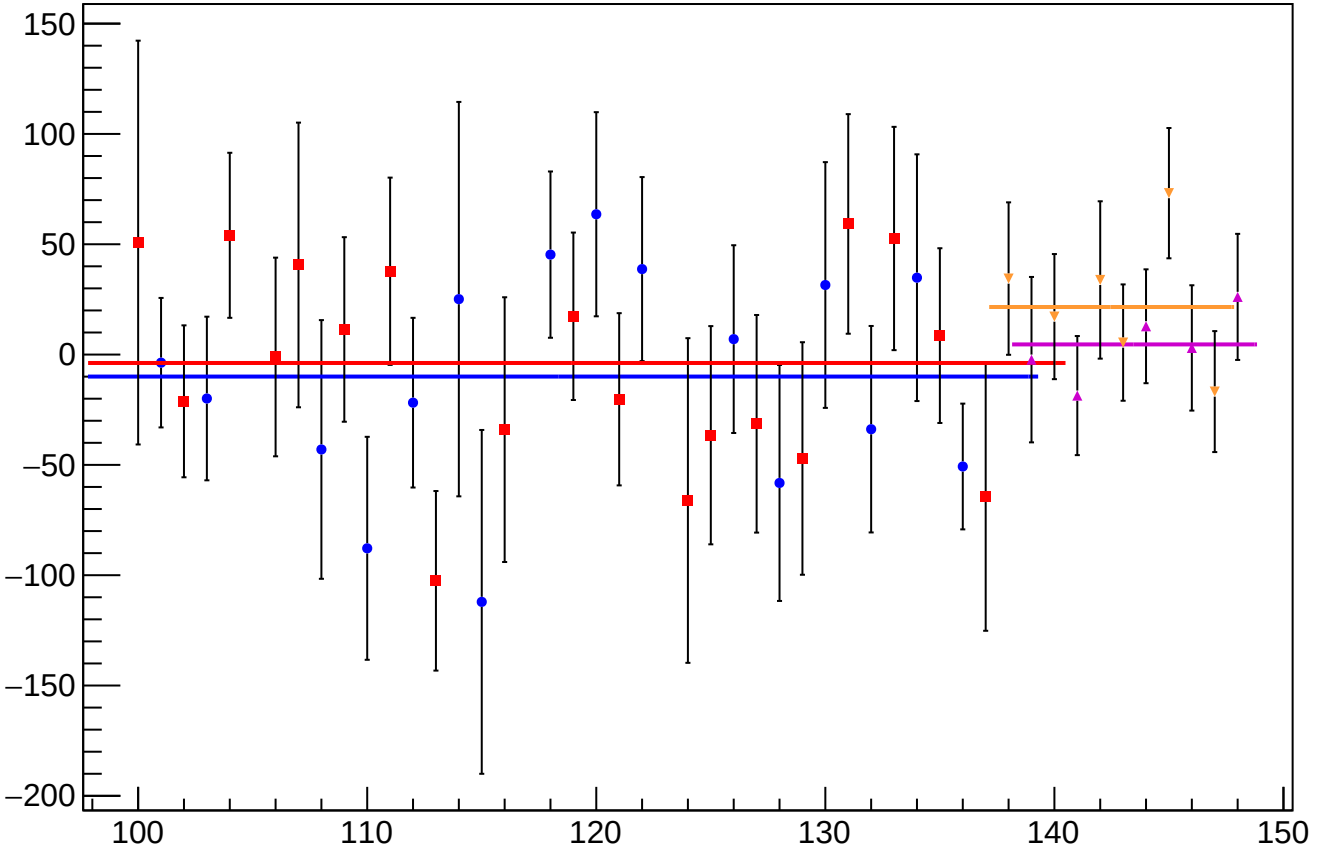
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4549.957+/-1.155 χ^2/NDF:7000114.1/20

Out: 4789.331+/-1.170 χ^2/NDF:5405603.2/24

All: 4668.062+/-0.822 χ^2/NDF: 12426921.8/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.602+/-12.856 χ^2/NDF:1.4/4

Left: 13.564+/-8.827 χ^2/NDF: 8.0/10

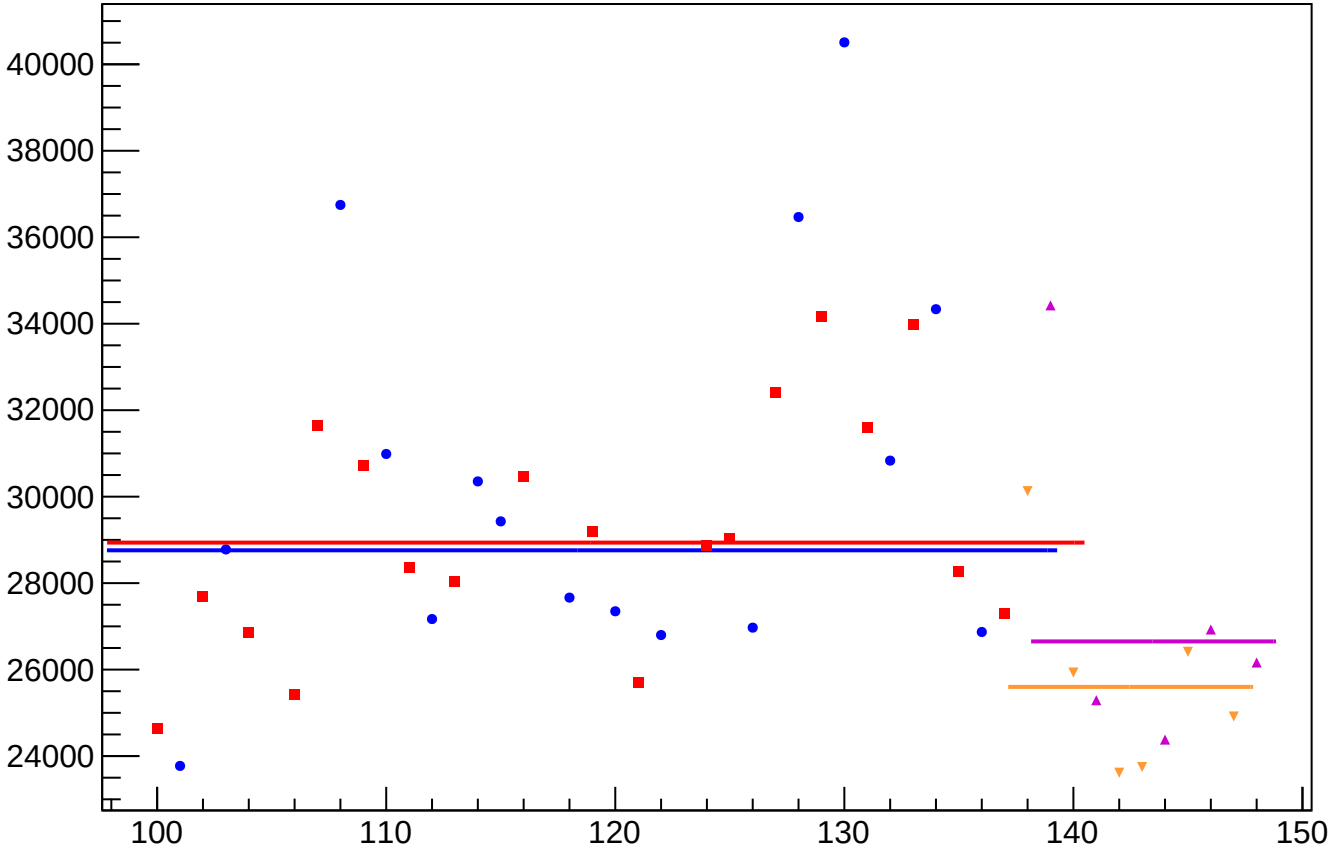
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.917+/-8.286 χ^2/NDF:17.5/20

Out: 7.203+/-8.000 χ^2/NDF:25.4/24

All: 1.838+/-5.755 χ^2/NDF: 43.8/45

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

Left: 26095.830+/-6.242 χ^2/NDF: 167853.6/10

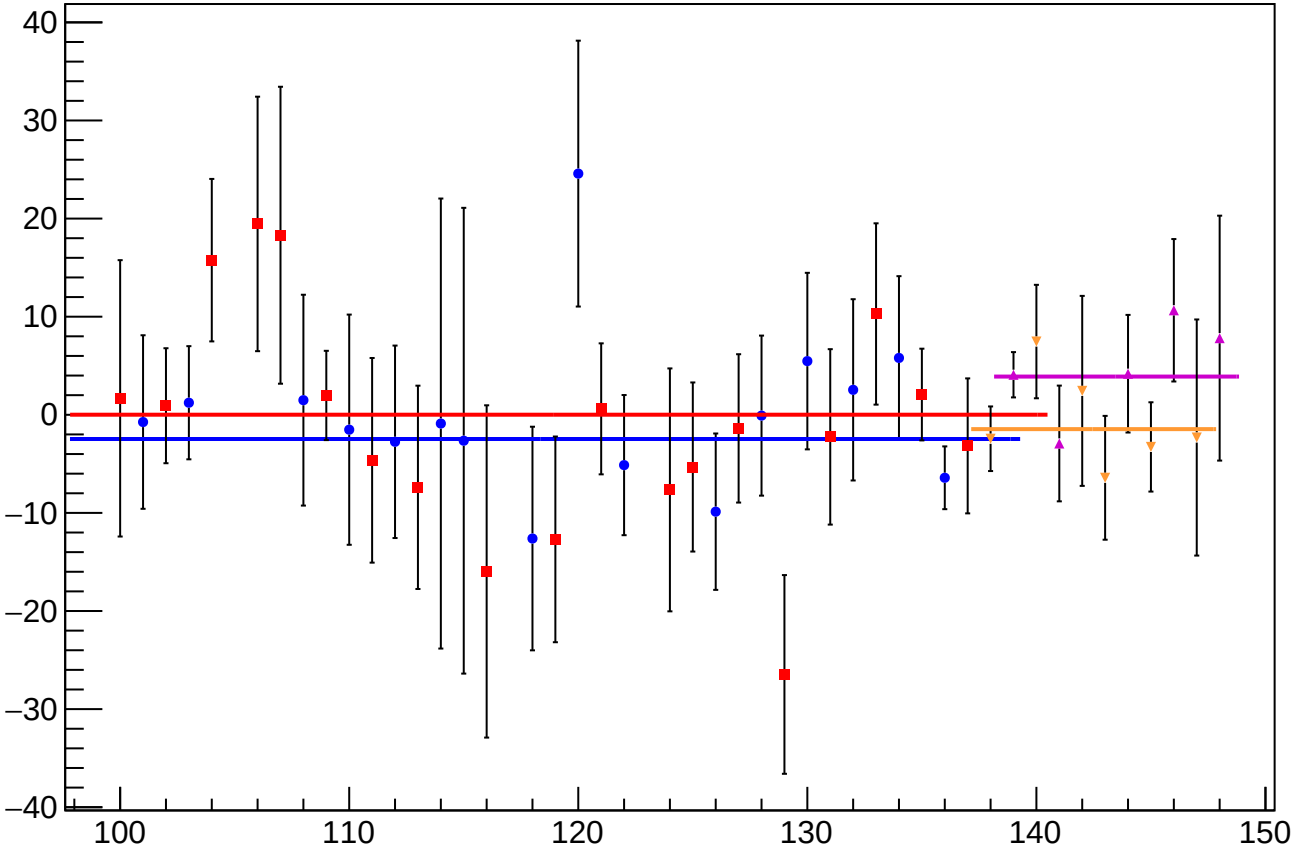
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 27883.849+/-5.859 χ^2/NDF:416357.1/20

Out: 27488.286+/-5.657 χ^2/NDF:245257.4/24

All: 27679.144+/-4.070 χ^2/NDF: 663973.4/45

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.461+/-2.166 χ^2/NDF:3.4/5

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 3.897+/-1.926 χ^2/NDF:2.3/4

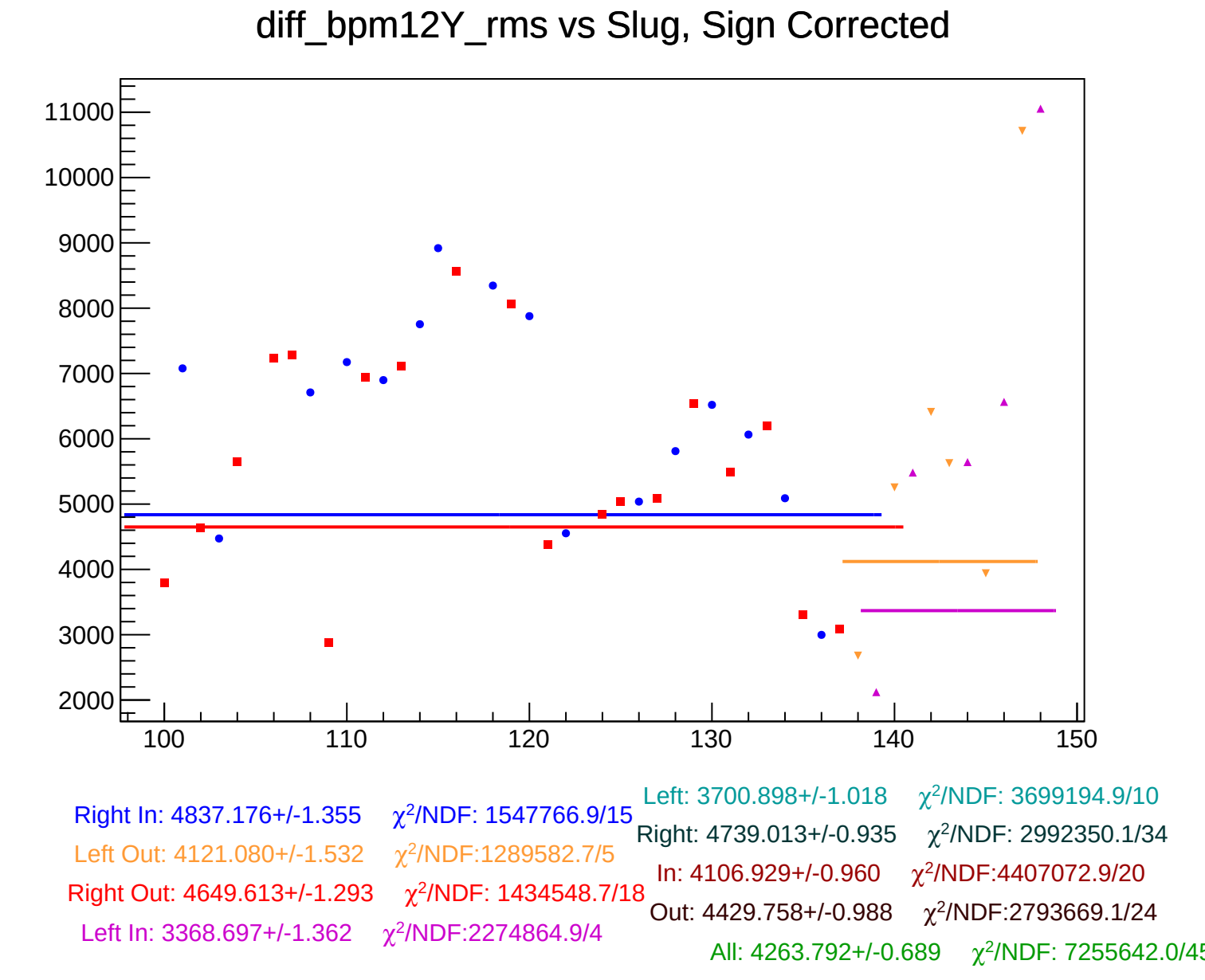
Left: 1.531+/-1.439 χ^2/NDF: 9.1/10

Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

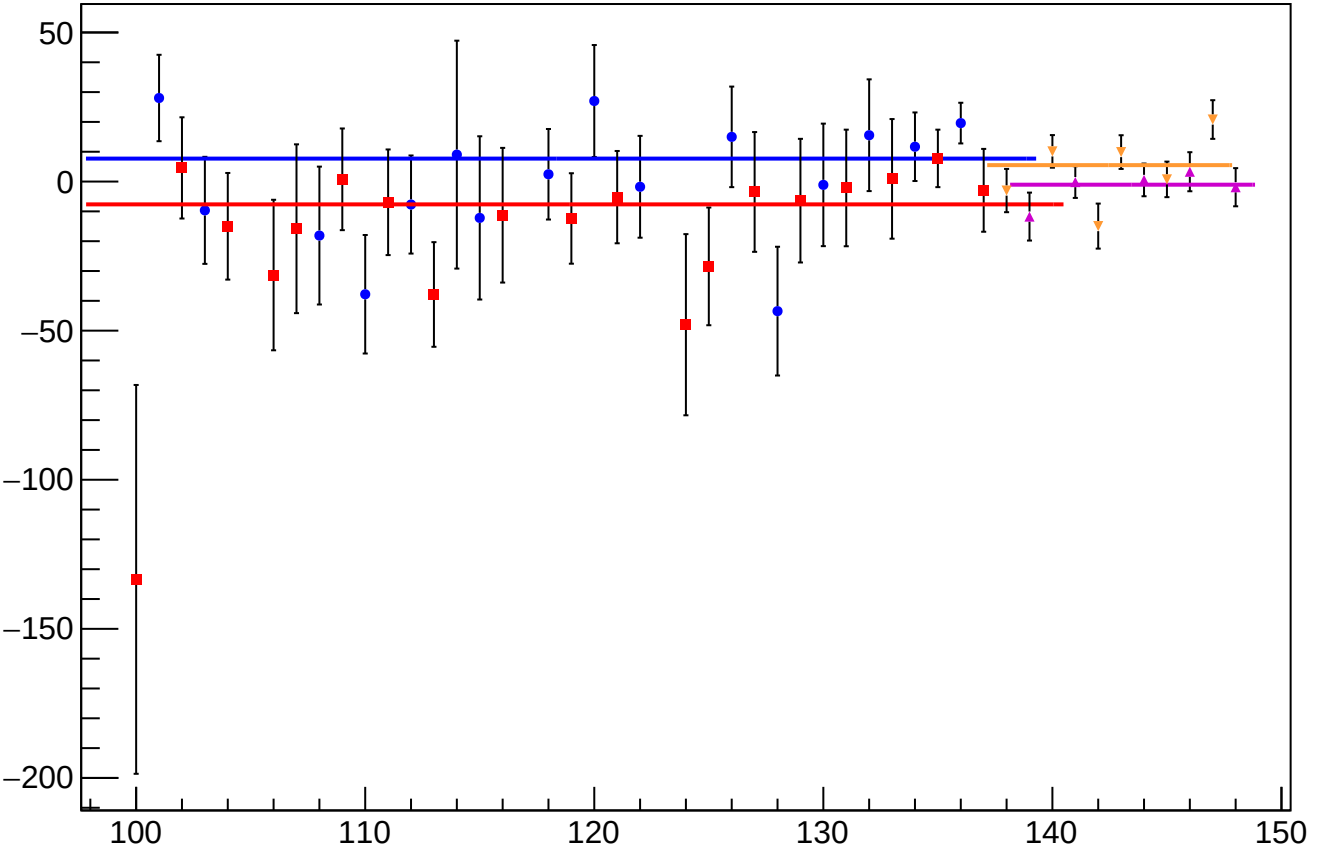
In: 0.697+/-1.358 χ^2/NDF:17.8/20

Out: -0.602+/-1.397 χ^2/NDF:23.7/24

All: 0.066+/-0.974 χ^2/NDF: 41.9/45


diff_bpm12Y_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 4837.176+/-1.355 χ²/NDF: 1547766.9/15
Left Out: 4121.080+/-1.532 χ²/NDF:1289582.7/5
Right Out: 4649.613+/-1.293 χ²/NDF: 1434548.7/18
Left In: 3368.697+/-1.362 χ²/NDF:2274864.9/4
Left: 3700.898+/-1.018 χ²/NDF: 3699194.9/10
Right: 4739.013+/-0.935 χ²/NDF: 2992350.1/34
In: 4106.929+/-0.960 χ²/NDF:4407072.9/20
Out: 4429.758+/-0.988 χ²/NDF:2793669.1/24
All: 4263.792+/-0.689 χ²/NDF: 7255642.0/45

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.507+/-2.555 χ^2/NDF:16.2/5

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -1.052+/-2.754 χ^2/NDF:2.3/4

Left: 2.474+/-1.873 χ^2/NDF: 21.6/10

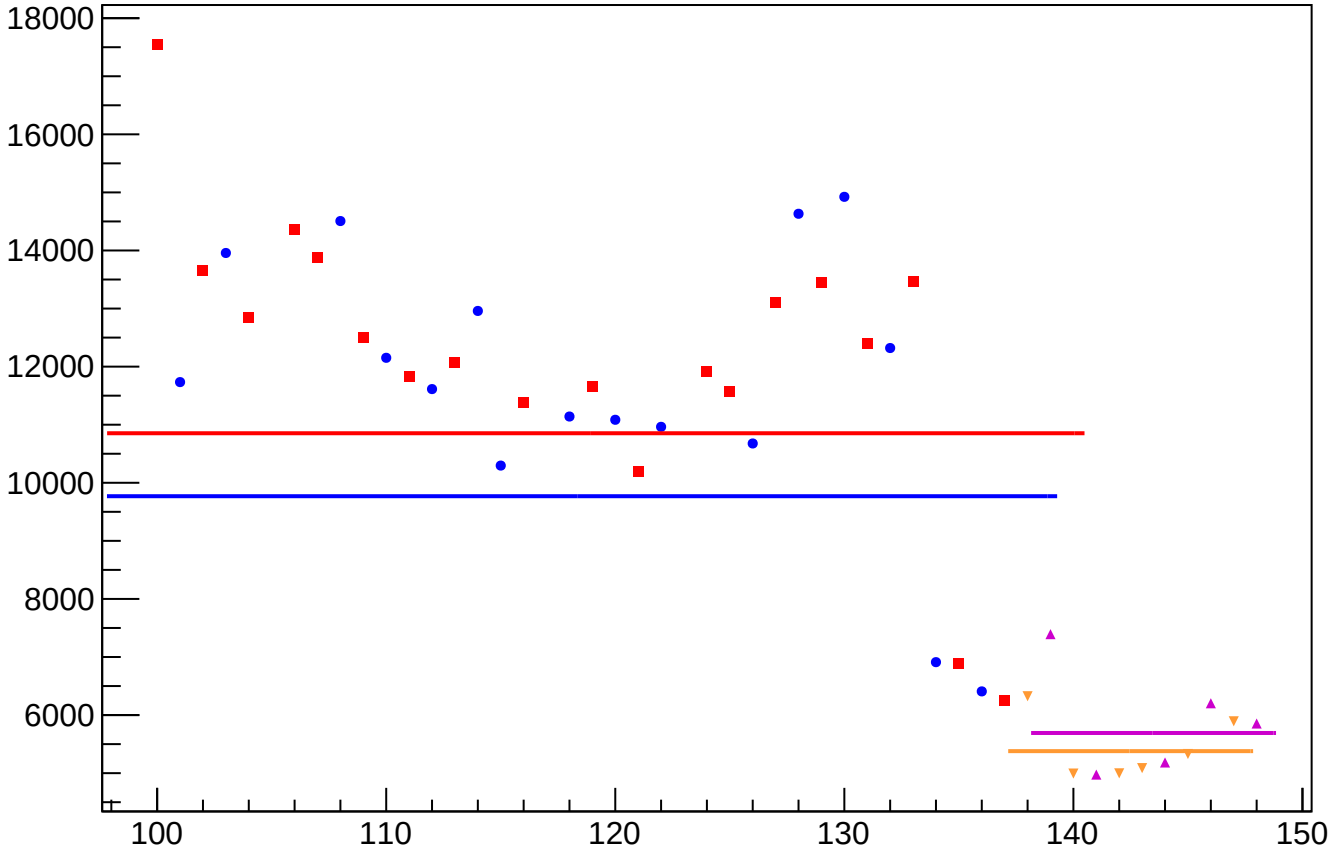
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.941+/-2.234 χ^2/NDF:27.4/20

Out: 1.826+/-2.168 χ^2/NDF:38.2/24

All: 1.882+/-1.556 χ^2/NDF: 65.6/45

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5379.157+/-1.807 χ^2/NDF:67060.7/5

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5691.833+/-1.947 χ^2/NDF:156613.3/4

Left: 5523.775+/-1.324 χ^2/NDF: 237529.7/10

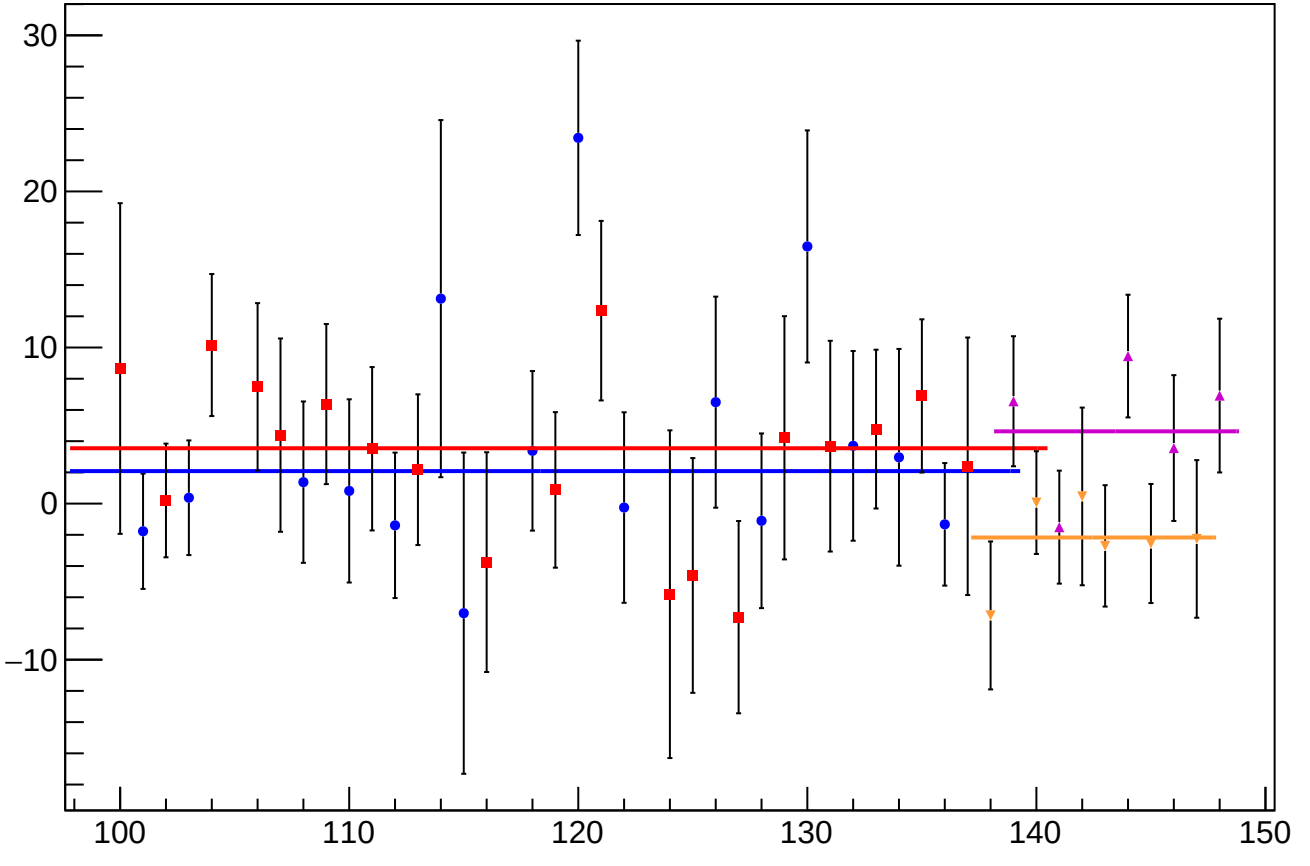
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 7086.317+/-1.580 χ^2/NDF:2869378.8/20

Out: 6910.537+/-1.533 χ^2/NDF:3510093.3/24

All: 6995.801+/-1.100 χ^2/NDF: 6385848.4/45

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.172+/-1.711 χ^2/NDF:1.8/5

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 4.630+/-1.871 χ^2/NDF:4.9/4

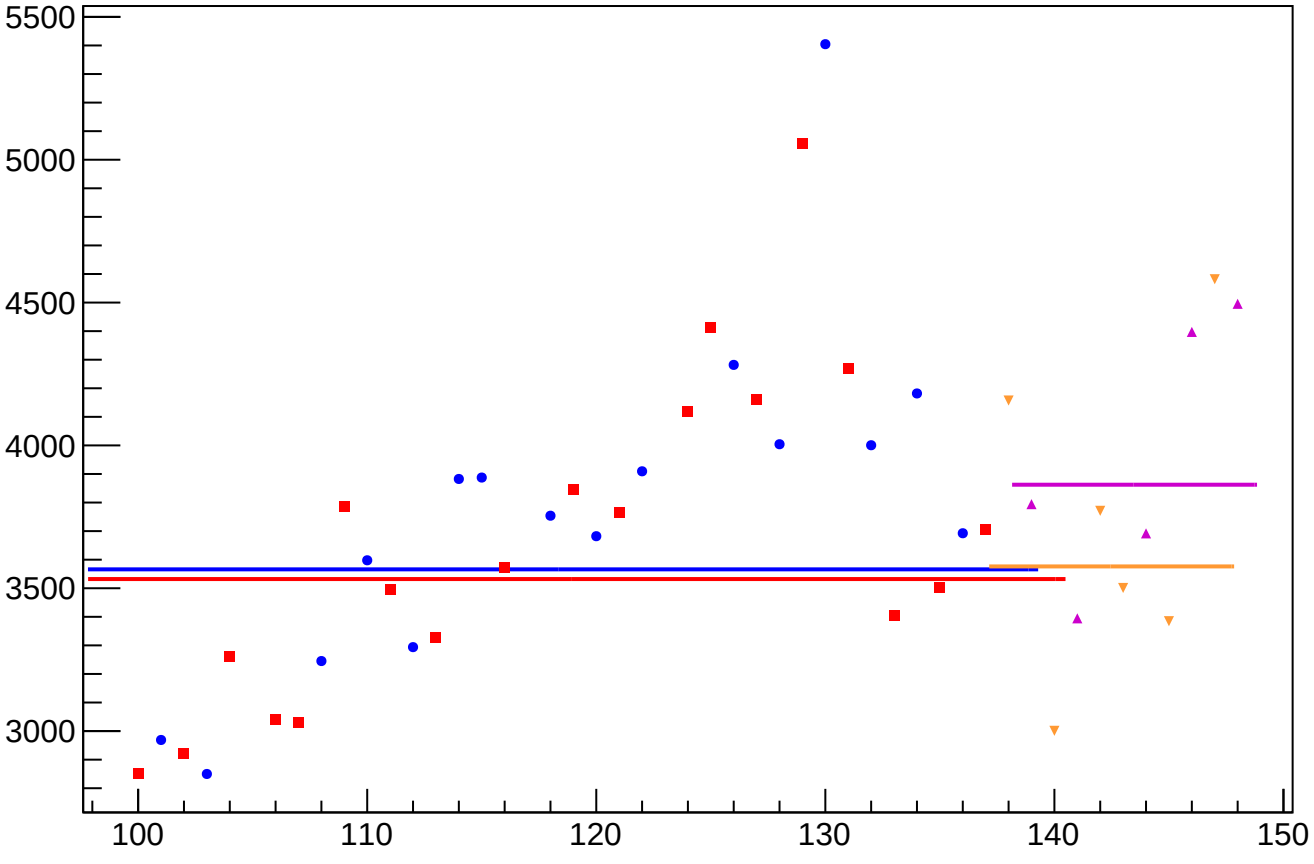
Left: 0.925+/-1.262 χ^2/NDF: 13.9/10

Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.951+/-1.092 χ^2/NDF:27.0/20

Out: 1.444+/-1.037 χ^2/NDF:22.3/24

All: 2.159+/-0.752 χ^2/NDF: 50.4/45



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3576.375+/-1.210 χ^2/NDF:178600.9/5

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3862.406+/-1.323 χ^2/NDF:96992.0/4

Left: 3706.627+/-0.893 χ^2/NDF: 301058.7/10

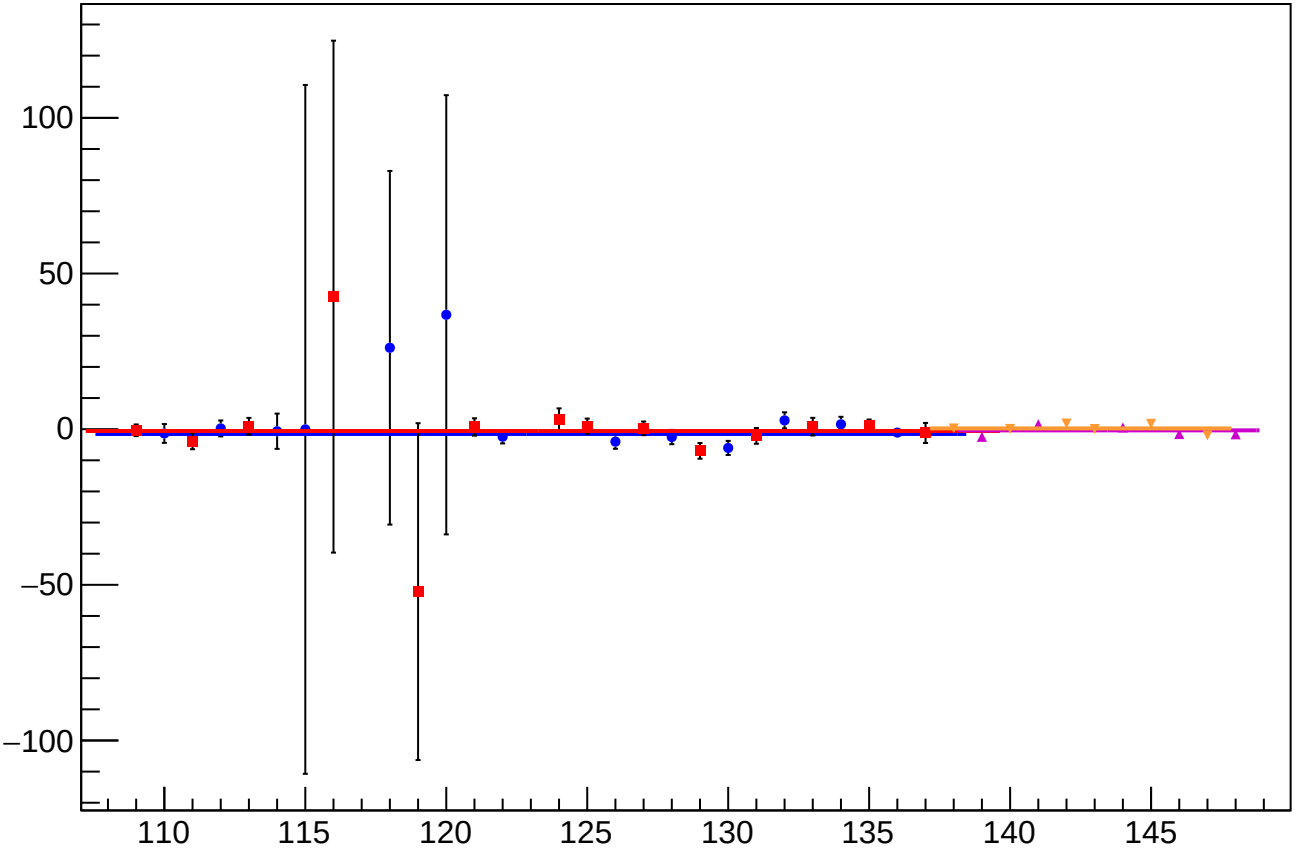
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3667.140+/-0.772 χ^2/NDF:471159.5/20

Out: 3548.432+/-0.733 χ^2/NDF:458137.8/24

All: 3604.717+/-0.532 χ^2/NDF: 941720.9/45

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.250+/-0.473 χ^2/NDF:6.8/5

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.381+/-0.487 χ^2/NDF:9.9/4

Left: -0.056+/-0.339 χ^2/NDF: 17.5/10

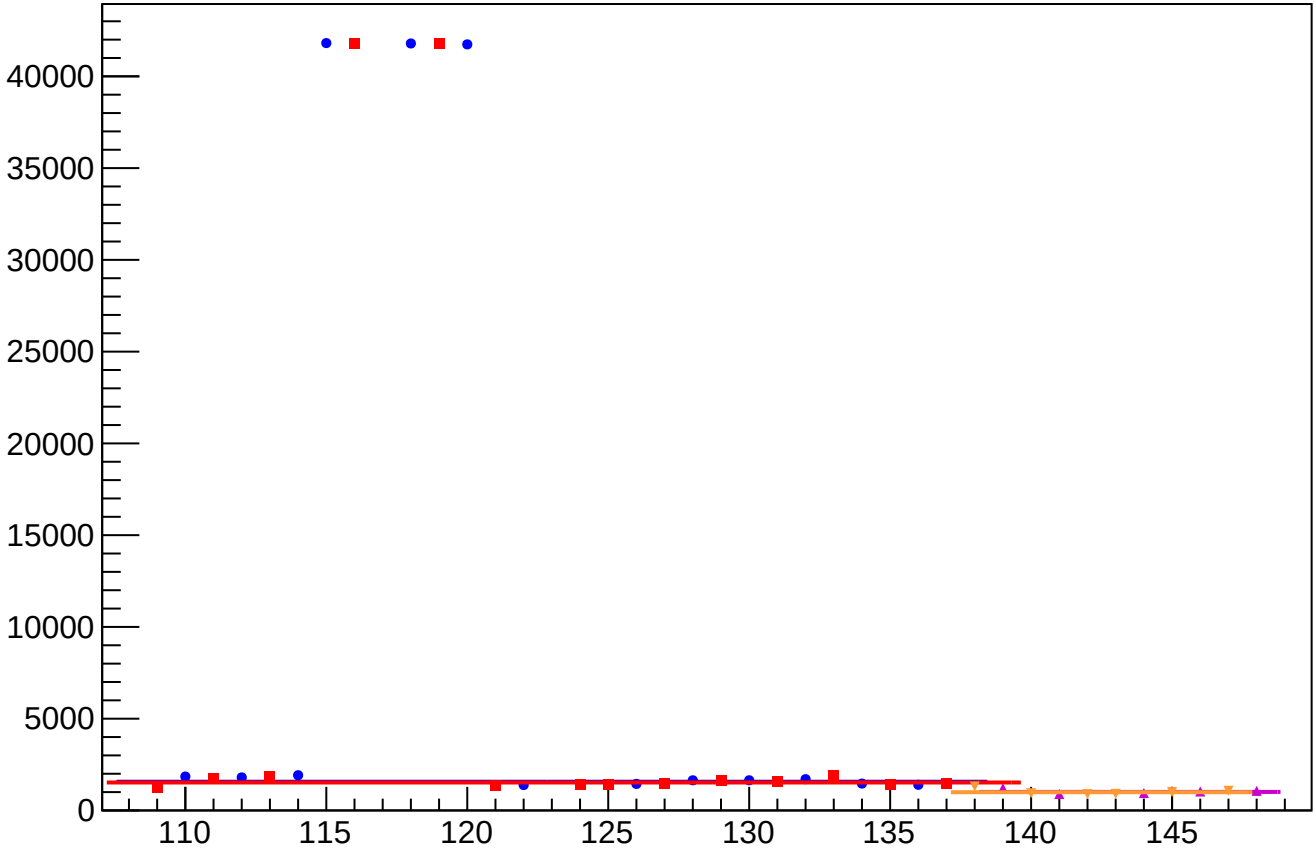
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.735+/-0.406 χ^2/NDF:22.7/17

Out: -0.004+/-0.395 χ^2/NDF:20.4/19

All: -0.359+/-0.283 χ^2/NDF: 44.8/37

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 993.110+/-0.334 χ^2/NDF:128730.2/5

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1009.666+/-0.345 χ^2/NDF:88925.8/4

Left: 1001.134+/-0.240 χ^2/NDF: 218845.1/10

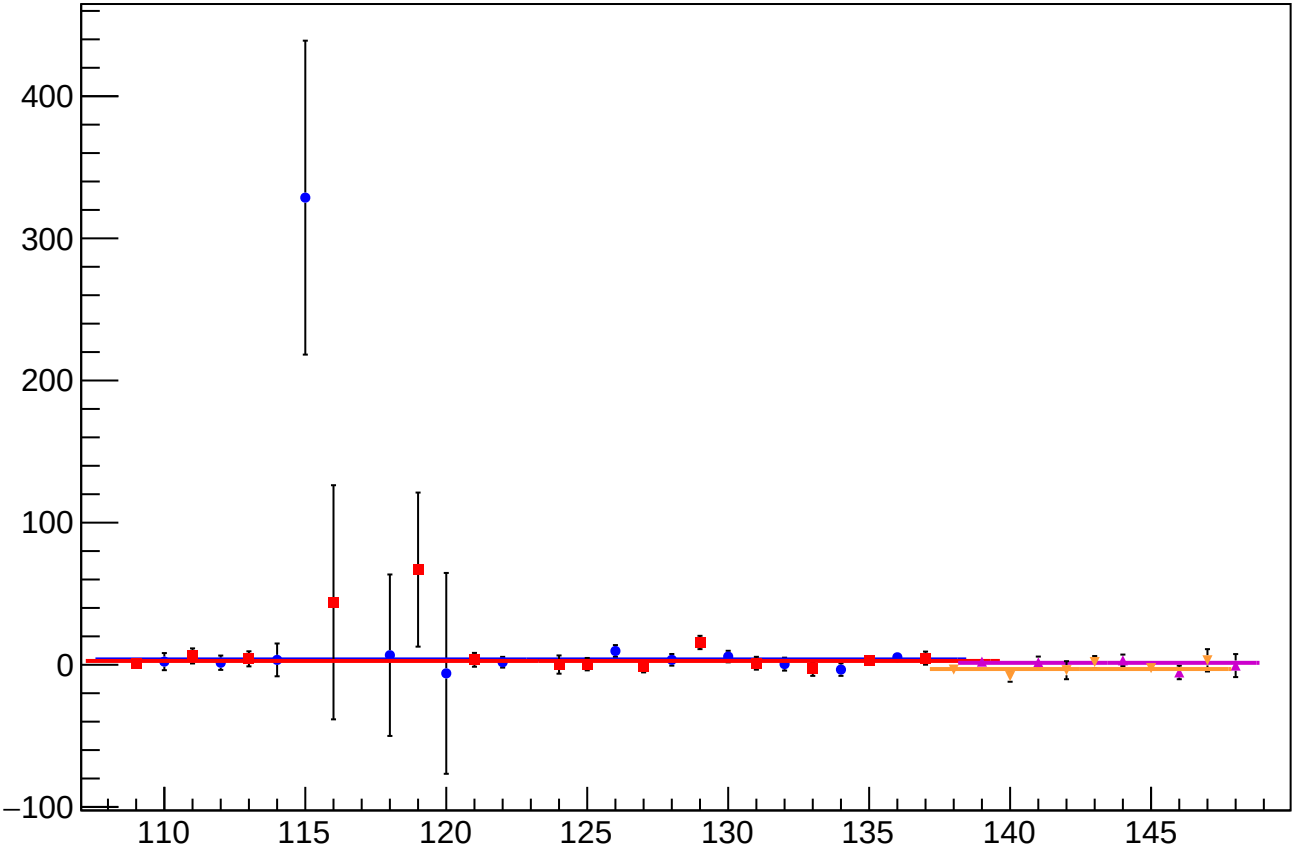
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1179.826+/-0.287 χ^2/NDF:2900333.3/17

Out: 1153.815+/-0.279 χ^2/NDF:2631620.2/19

All: 1166.457+/-0.200 χ^2/NDF: 5536175.9/37

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.985+/-1.453 χ^2/NDF:3.6/5

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.379+/-1.569 χ^2/NDF:2.4/4

Left: -0.969+/-1.066 χ^2/NDF: 10.2/10

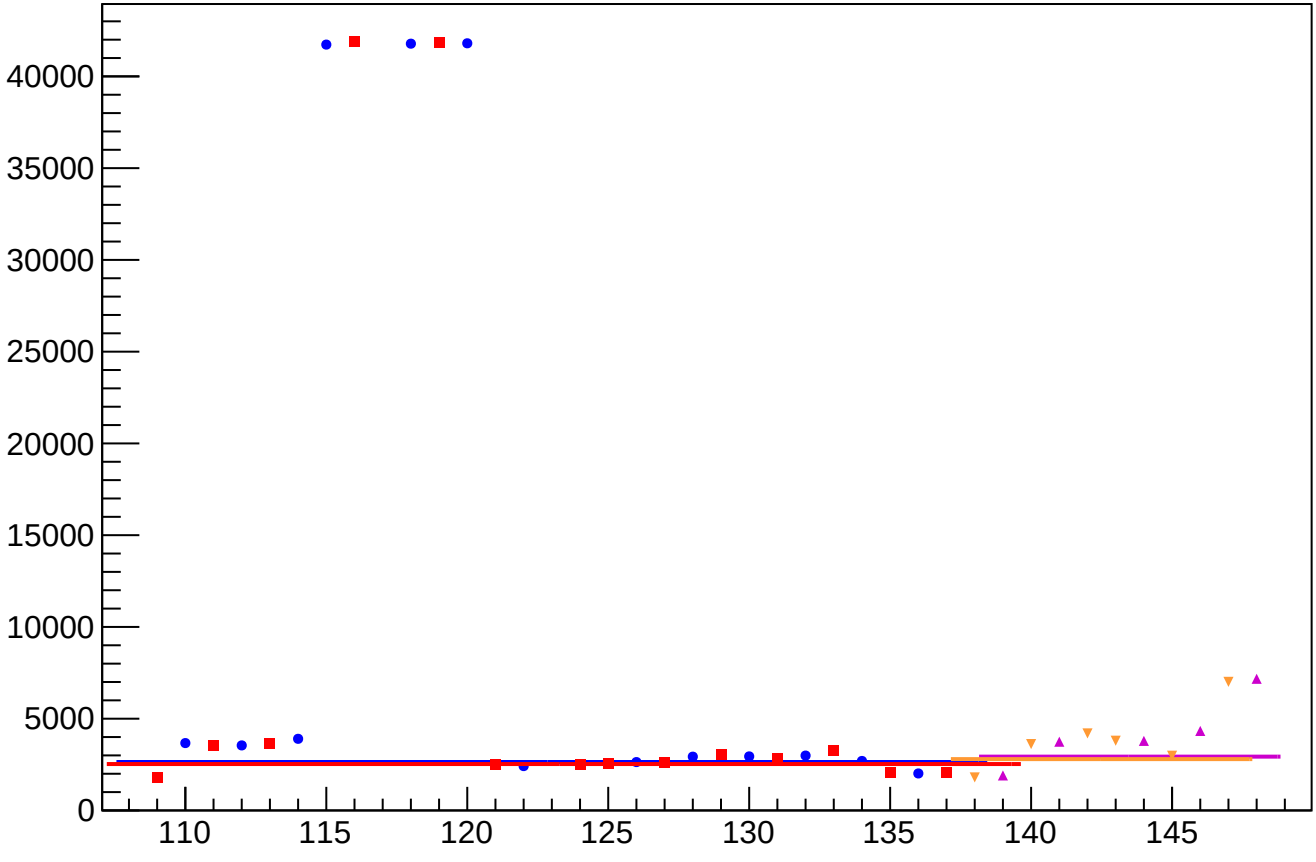
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.847+/-0.977 χ^2/NDF:19.0/17

Out: 0.376+/-0.930 χ^2/NDF:26.3/19

All: 1.551+/-0.674 χ^2/NDF: 48.7/37

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2797.564+/-1.028 χ^2/NDF:1327735.5/5

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2932.866+/-1.109 χ^2/NDF:1363341.2/4

Left: 2860.063+/-0.754 χ^2/NDF: 2699082.9/10

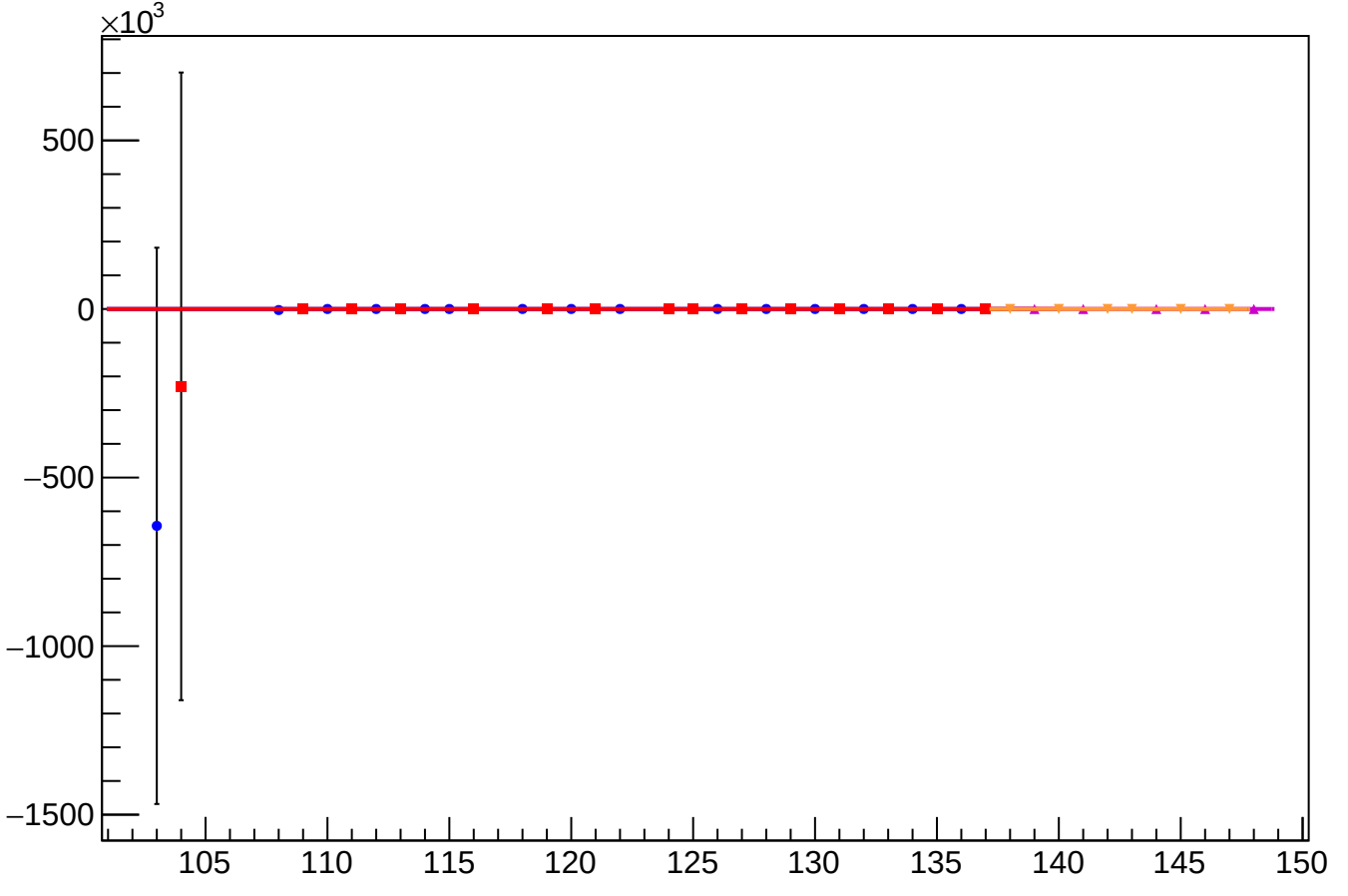
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2753.521+/-0.691 χ^2/NDF:3579435.4/17

Out: 2639.051+/-0.658 χ^2/NDF:3317966.5/19

All: 2693.500+/-0.476 χ^2/NDF: 6911804.2/37

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.111+/-0.704 χ^2/NDF:15.3/5

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.659+/-0.749 χ^2/NDF:0.8/4

Left: -0.281+/-0.513 χ^2/NDF: 19.1/10

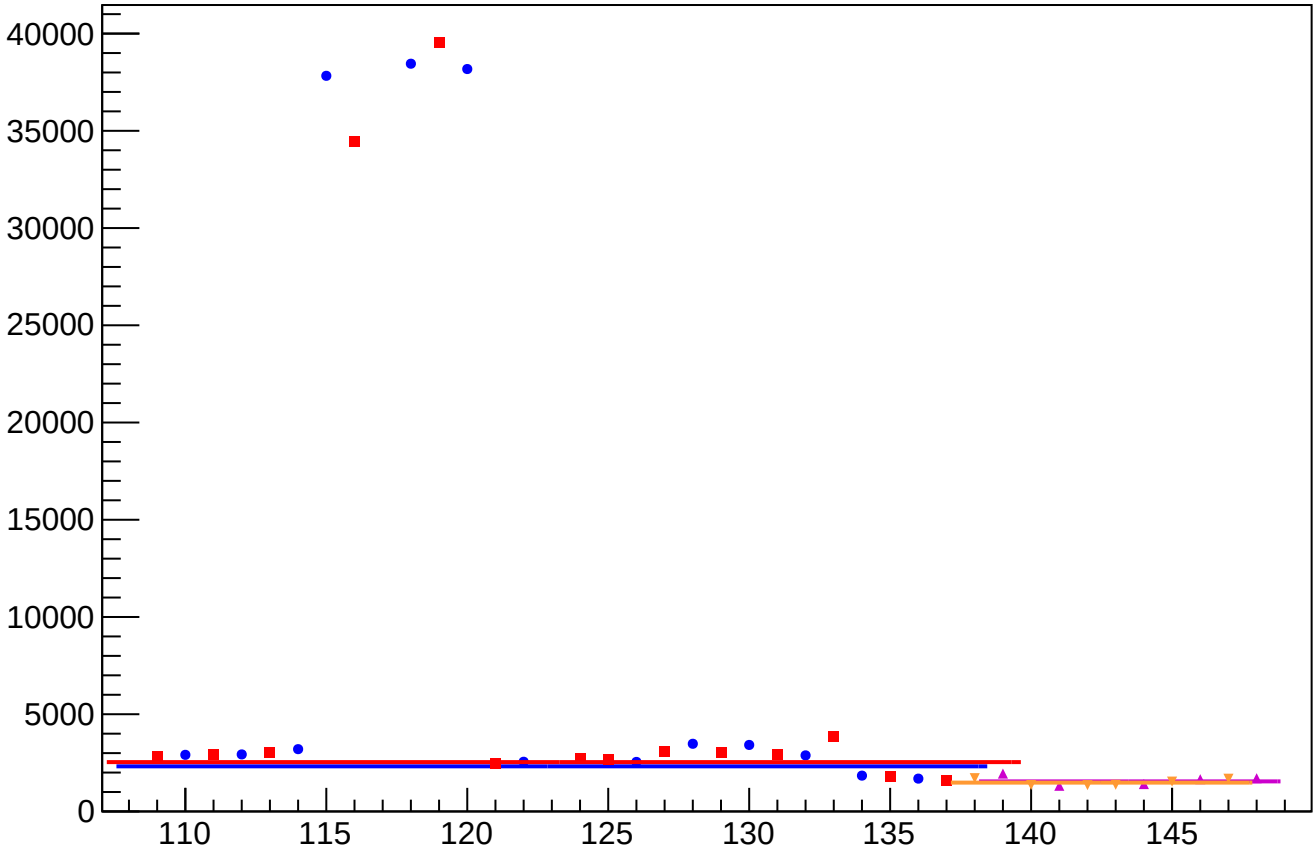
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.084+/-0.624 χ^2/NDF:21.5/19

Out: -0.156+/-0.609 χ^2/NDF:37.0/20

All: -0.039+/-0.436 χ^2/NDF: 58.6/40

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1483.381+/-0.498 χ^2/NDF:84103.8/5

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1546.134+/-0.530 χ^2/NDF:163132.2/4

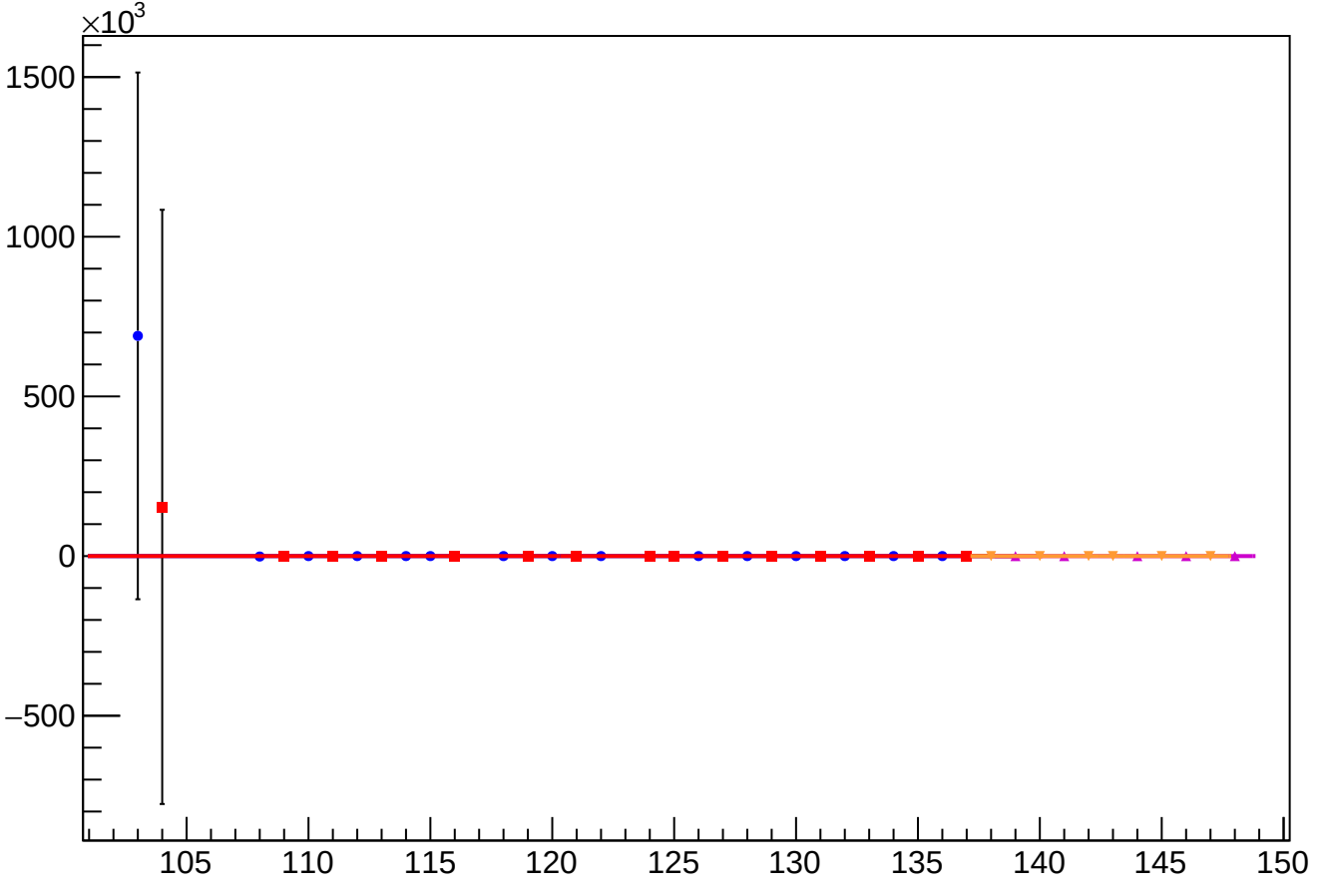
Left: 1512.811+/-0.363 χ^2/NDF: 254687.2/10

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1783.952+/-0.441 χ^2/NDF:3280714.3/17

Out: 1749.670+/-0.430 χ^2/NDF:3254869.6/19

All: 1766.396+/-0.308 χ^2/NDF: 6538679.1/37



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.454+/-0.991 χ^2/NDF:6.4/5

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.477+/-0.946 χ^2/NDF:2.0/4

Left: -0.943+/-0.684 χ^2/NDF: 9.0/10

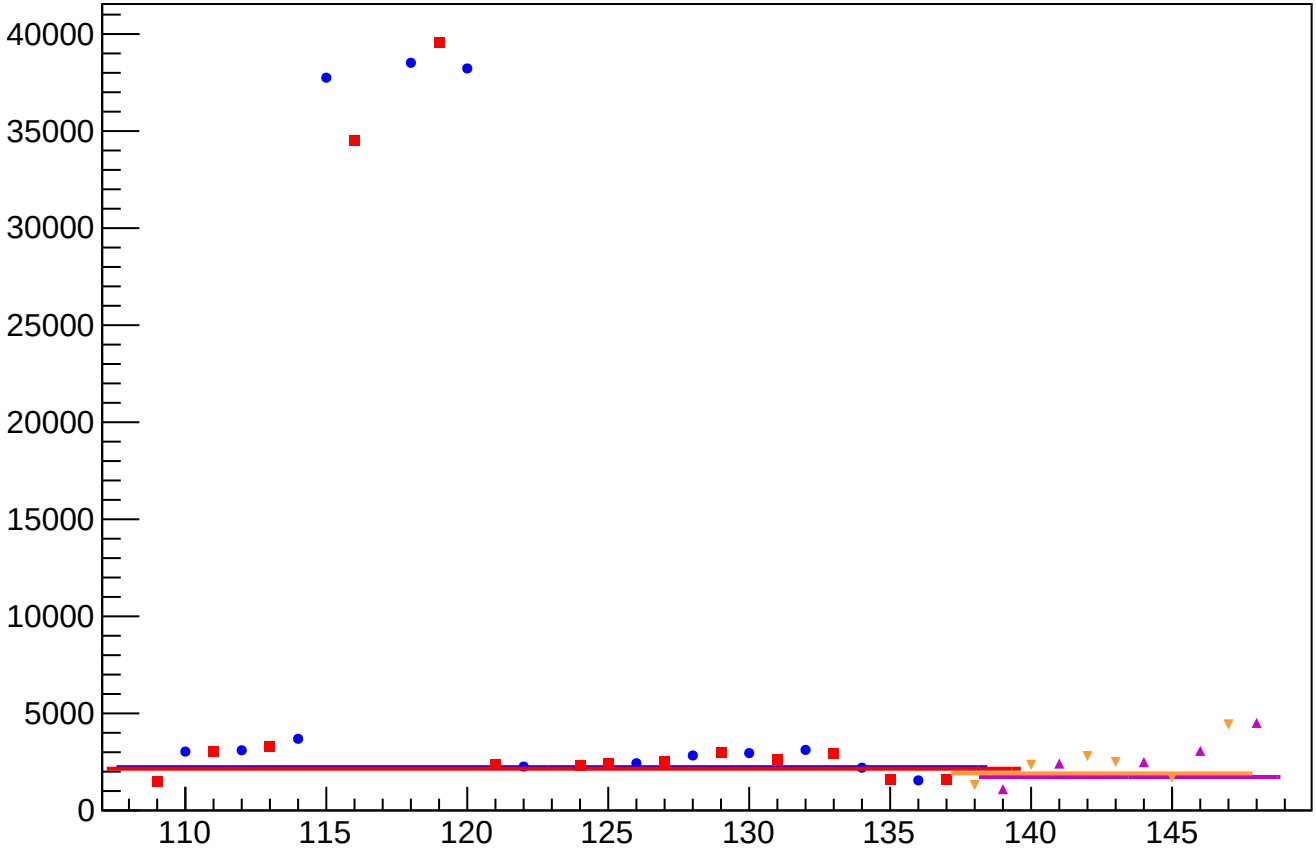
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.475+/-0.711 χ^2/NDF:9.4/19

Out: 0.120+/-0.721 χ^2/NDF:27.1/20

All: 0.301+/-0.506 χ^2/NDF: 36.6/40

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1908.158+/-0.701 χ^2/NDF:1062492.8/5

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1723.648+/-0.669 χ^2/NDF:1777787.1/4

Left: 1811.630+/-0.484 χ^2/NDF: 2876543.6/10

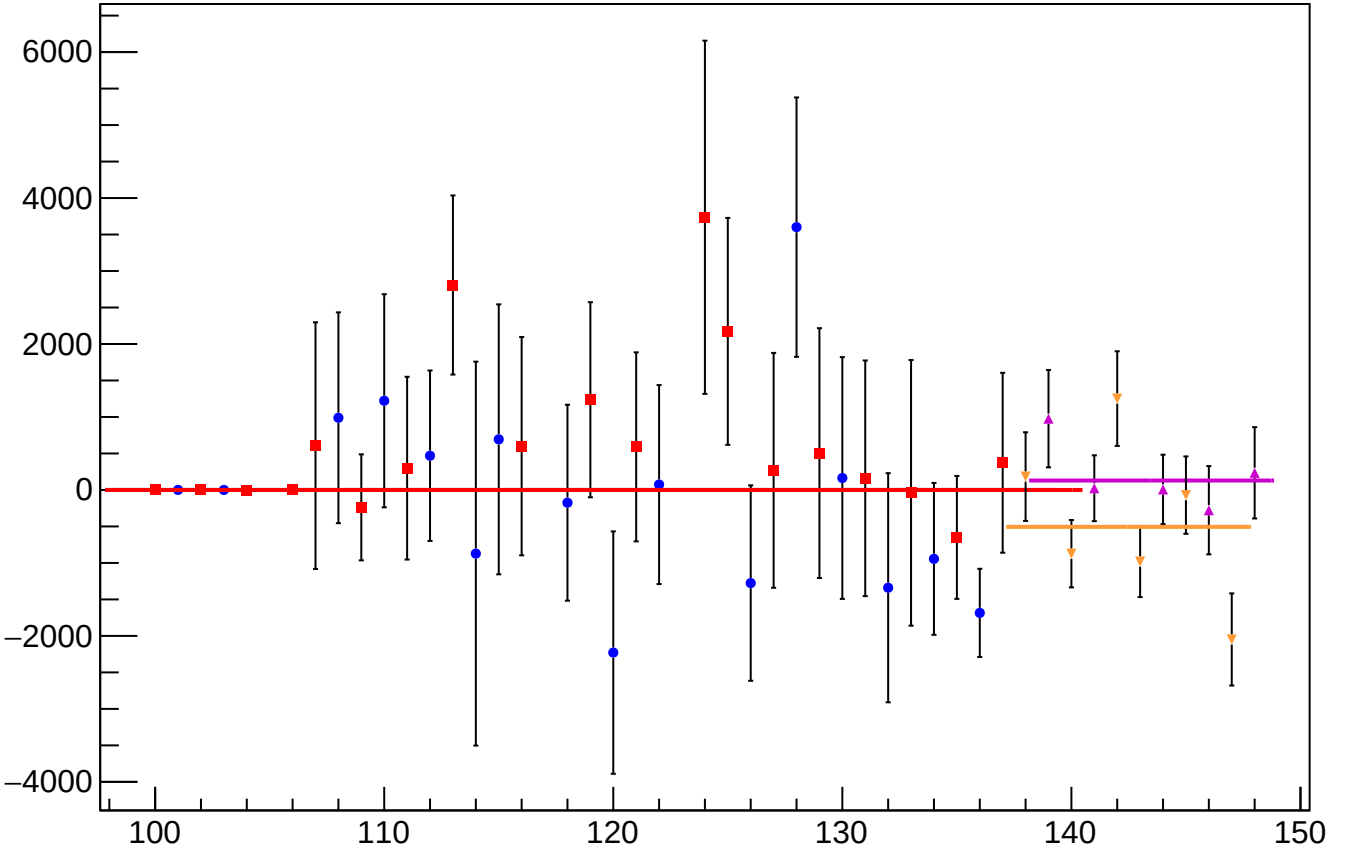
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1943.037+/-0.503 χ^2/NDF:4546732.3/17

Out: 2022.302+/-0.510 χ^2/NDF:3350216.8/19

All: 1982.081+/-0.358 χ^2/NDF: 7909205.1/37

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -505.650+/-223.330 χ^2/NDF:16.9/5

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 129.377+/-243.456 χ^2/NDF:2.2/4

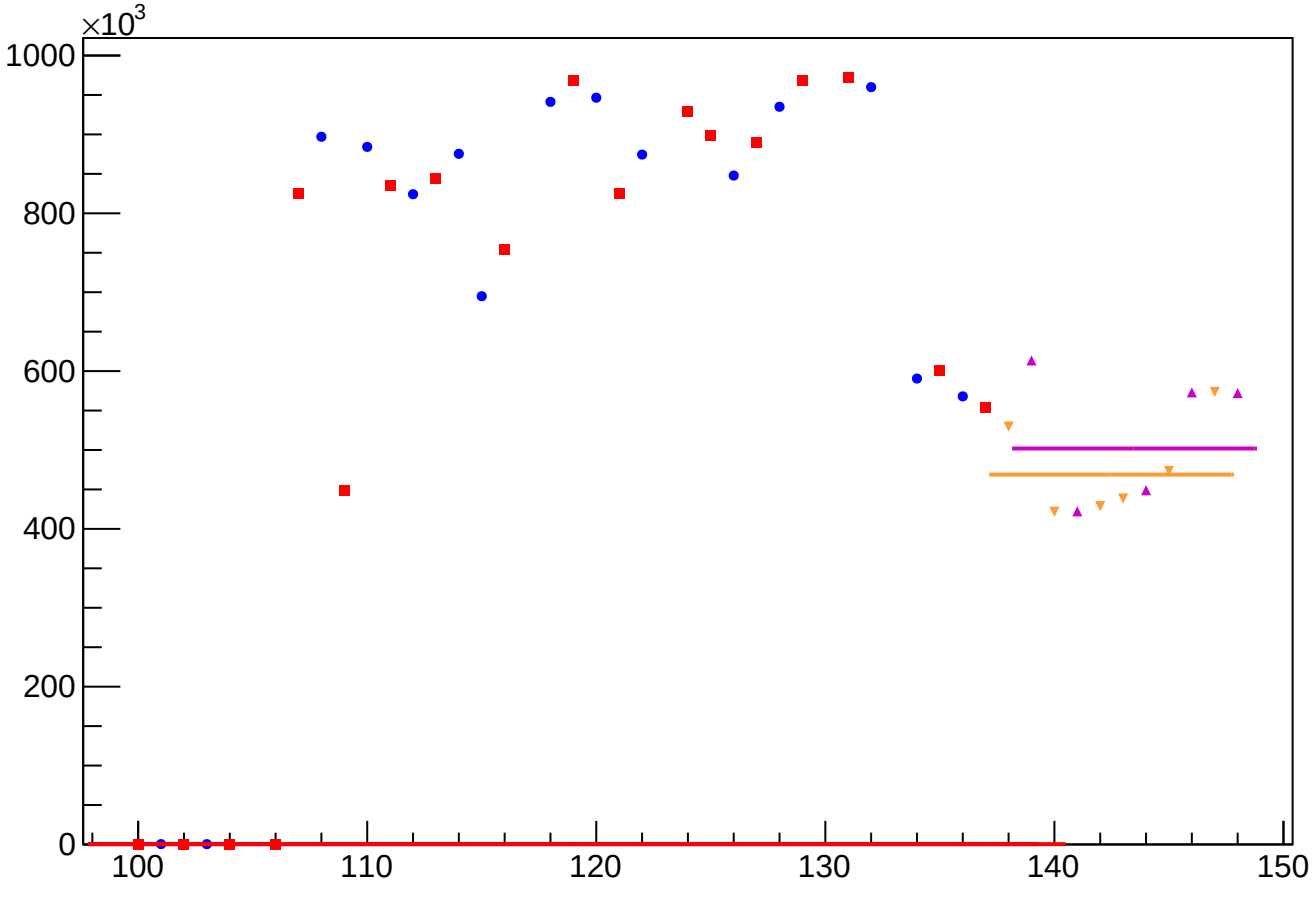
Left: -215.465+/-164.574 χ^2/NDF: 22.8/10

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:20.2/20

Out: -0.097+/-0.328 χ^2/NDF:37.4/24

All: 0.065+/-0.241 χ^2/NDF: 58.2/45



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 468830.264+/-157.918 χ^2/NDF:111486.9/5

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 501891.842+/-172.149 χ^2/NDF:195975.3/4

Left: 483938.235+/-116.372 χ^2/NDF: 327491.4/10

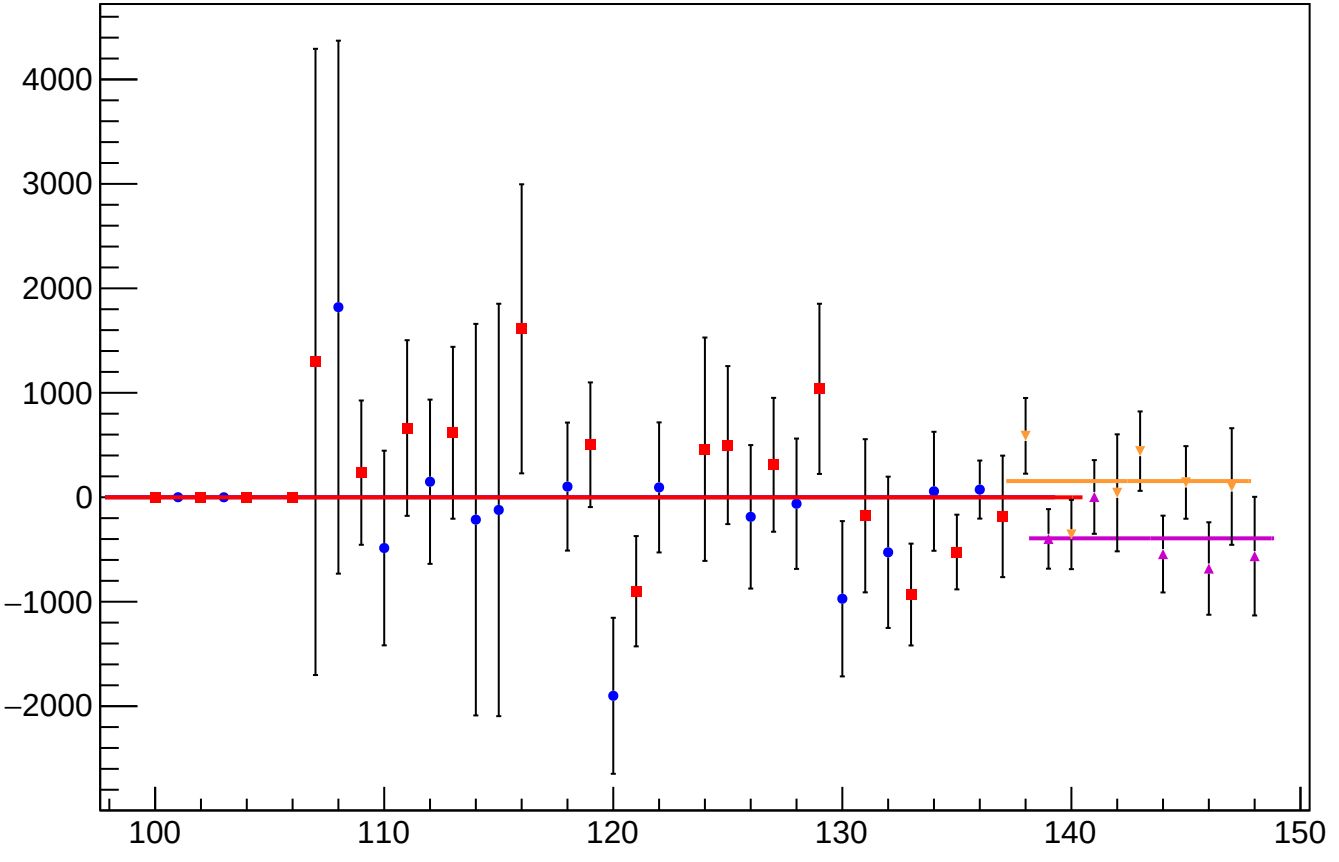
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.951+/-0.251 χ^2/NDF:17174097.9/19

Out: 394.249+/-0.232 χ^2/NDF:16559124.6/23

All: 396.868+/-0.170 χ^2/NDF: 33733500.5/43

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 154.876+/-161.573 χ^2/NDF:4.4/5

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -393.247+/-166.775 χ^2/NDF:1.9/4

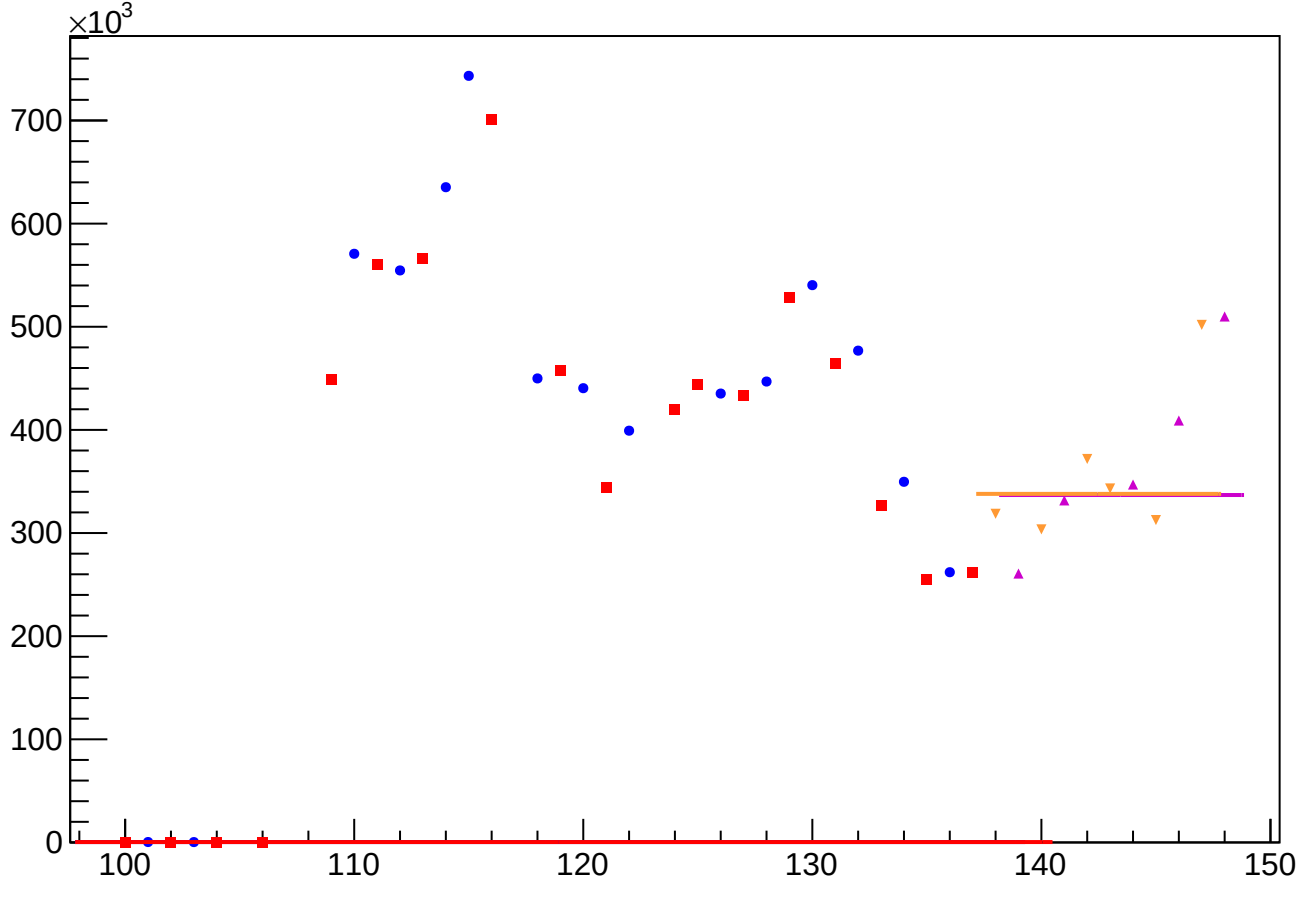
Left: -110.505+/-116.045 χ^2/NDF: 11.9/10

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:18.0/20

Out: -0.598+/-0.324 χ^2/NDF:20.4/24

All: -0.330+/-0.237 χ^2/NDF: 39.8/45



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 337964.173+/-114.250 χ^2/NDF:217882.0/5

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 336862.425+/-117.953 χ^2/NDF:383647.1/4

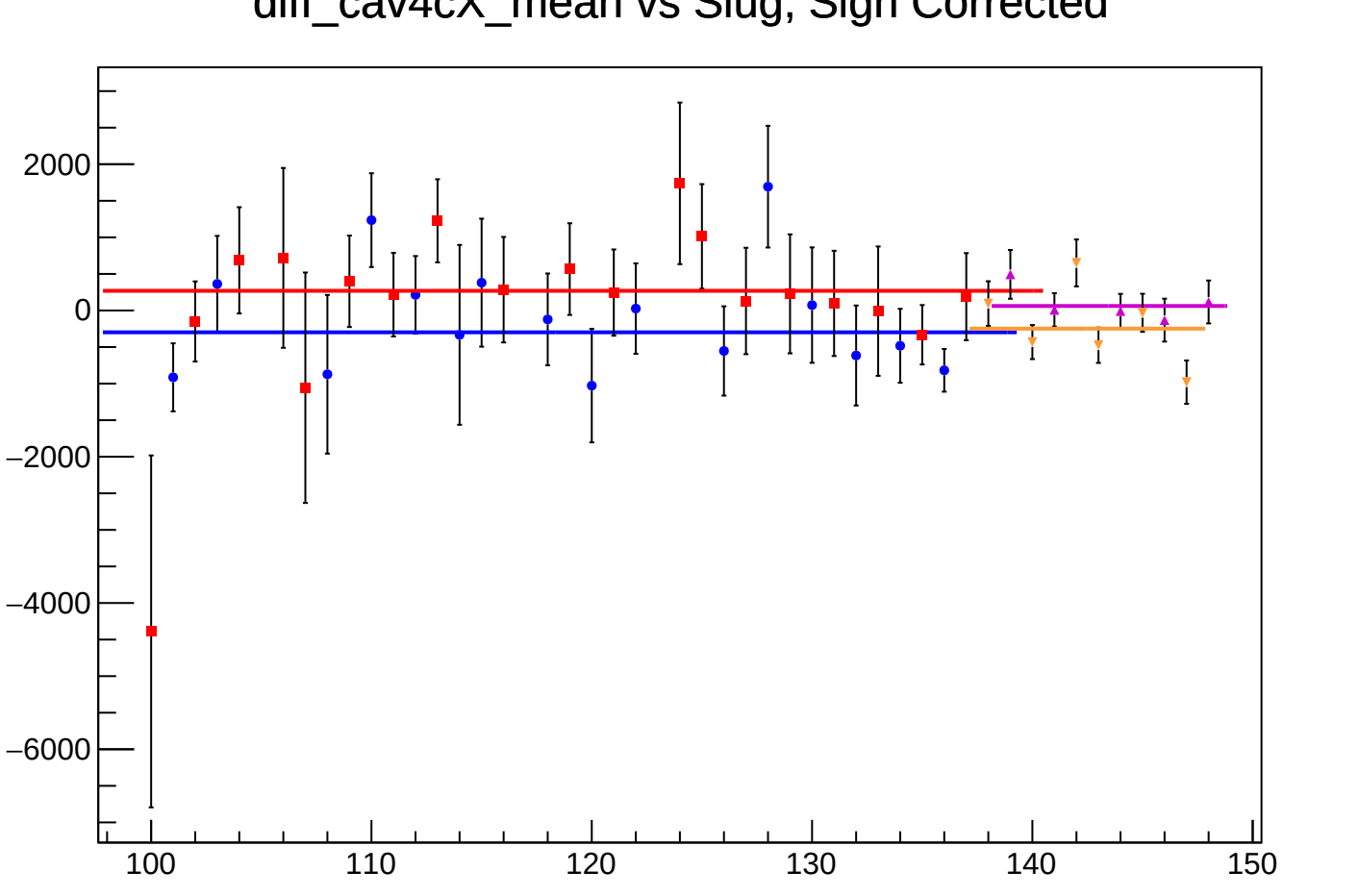
Left: 337430.865+/-82.065 χ^2/NDF: 601574.1/10

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 391.733+/-0.245 χ^2/NDF:19653188.2/19

Out: 389.340+/-0.229 χ^2/NDF:20022550.9/23

All: 390.453+/-0.167 χ^2/NDF: 39675789.9/43



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -248.143+/-110.380 χ^2/NDF:17.4/5

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 61.510+/-119.838 χ^2/NDF:2.3/4

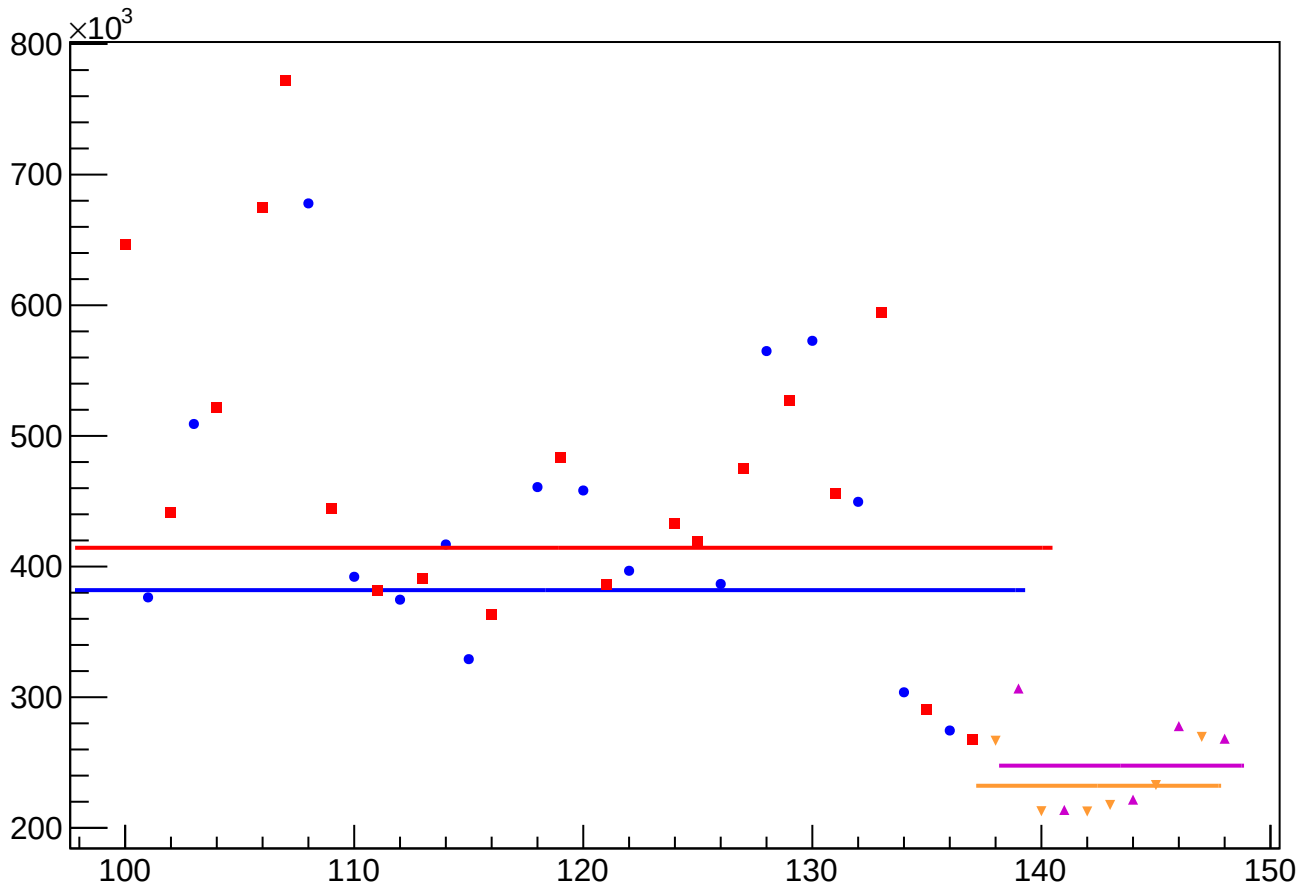
Left: -106.016+/-81.189 χ^2/NDF: 23.3/10

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -81.700+/-92.976 χ^2/NDF:27.0/20

Out: -76.504+/-90.217 χ^2/NDF:38.5/24

All: -79.024+/-64.747 χ^2/NDF: 65.6/45



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 232235.769+/-78.051 χ^2/NDF:86144.3/5

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 247621.833+/-84.738 χ^2/NDF:162603.3/4

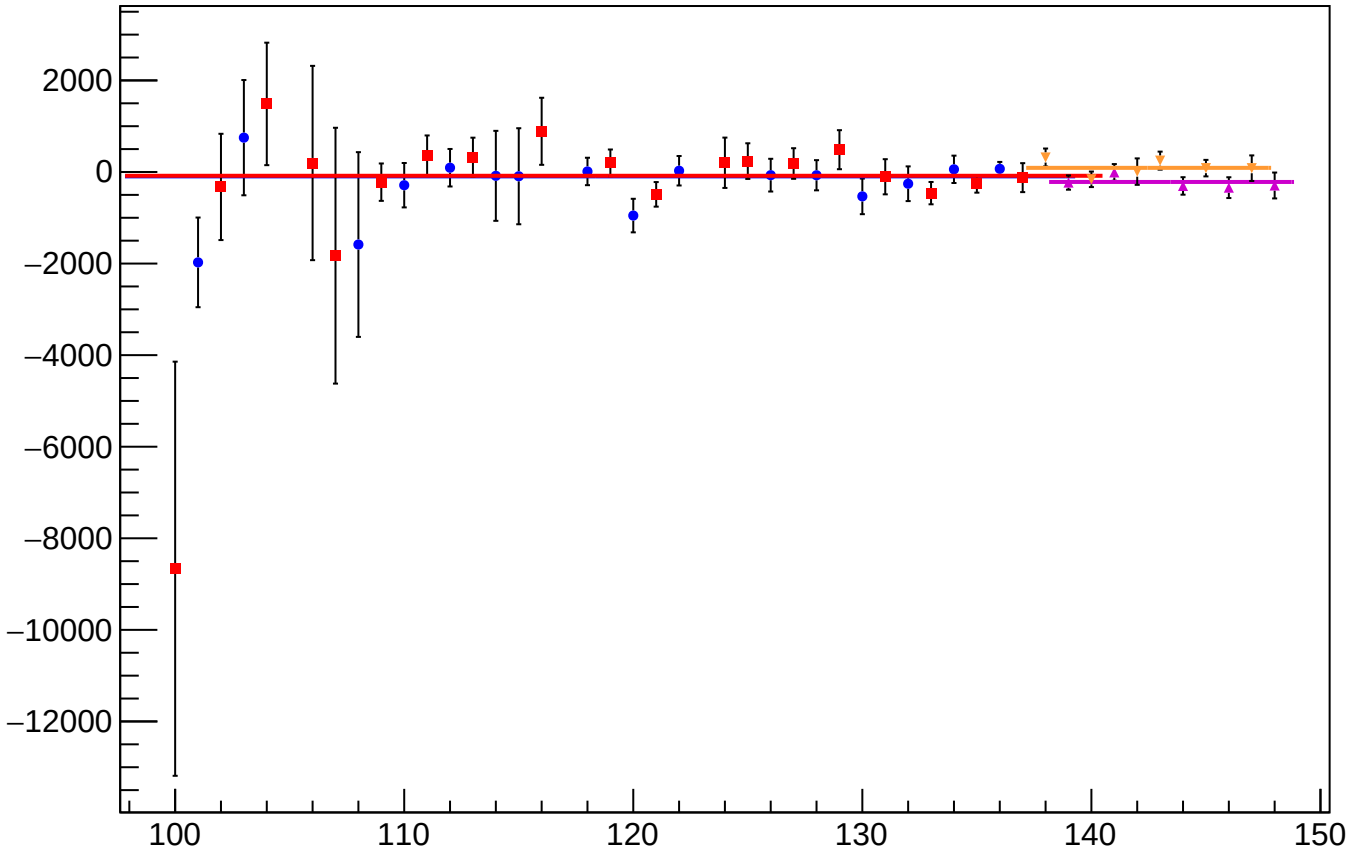
Left: 239297.778+/-57.409 χ^2/NDF: 266583.8/10

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 301084.553+/-65.749 χ^2/NDF:1999256.8/20

Out: 292680.716+/-63.799 χ^2/NDF:2653473.4/24

All: 296756.146+/-45.786 χ^2/NDF: 4661144.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 90.350+/-83.857 χ^2/NDF:4.2/5

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -217.785+/-87.416 χ^2/NDF:1.9/4

Left: -57.317+/-60.515 χ^2/NDF: 12.6/10

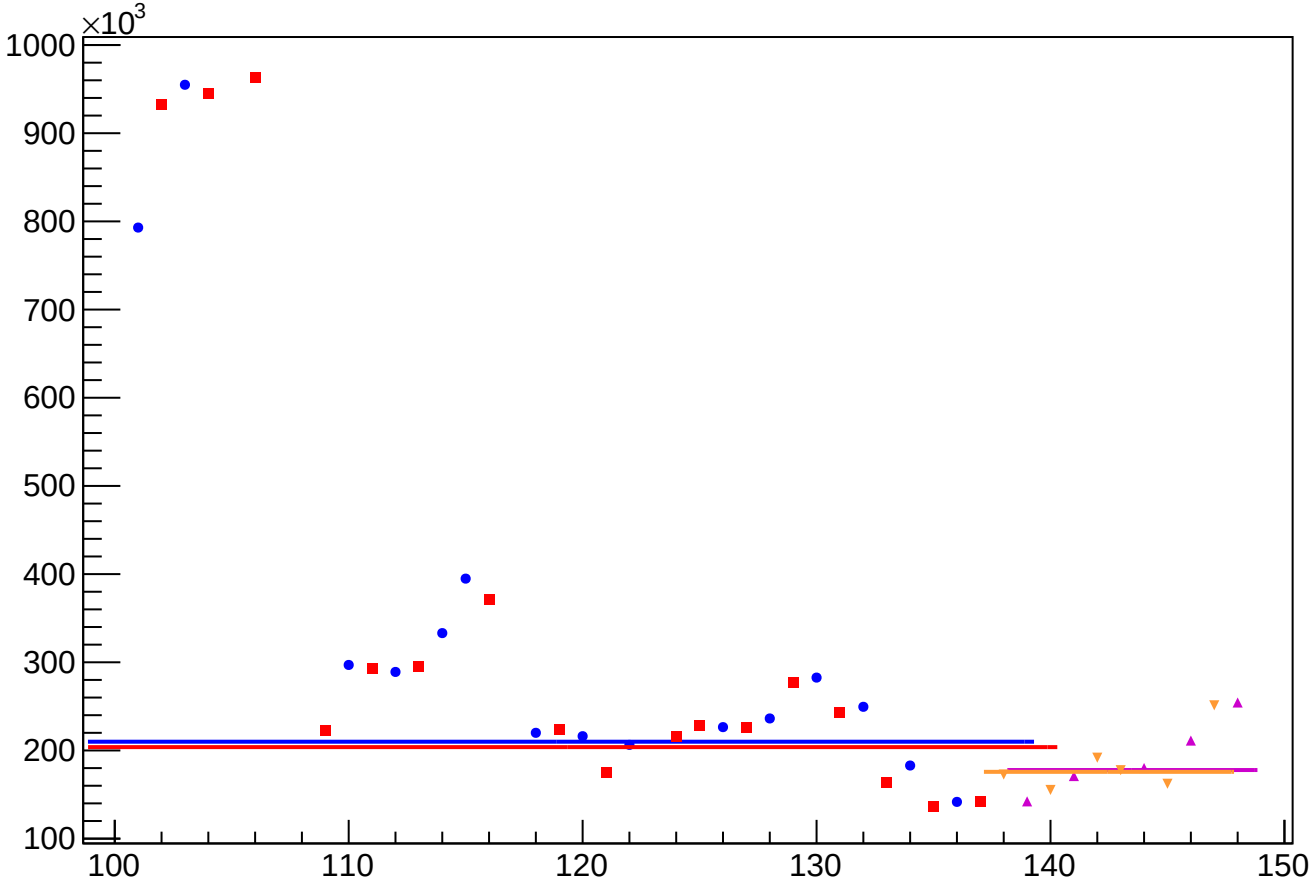
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -157.408+/-62.111 χ^2/NDF:16.6/20

Out: 7.296+/-60.482 χ^2/NDF:25.4/24

All: -72.867+/-43.332 χ^2/NDF: 45.5/45

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 175765.001+/-59.296 χ^2/NDF:193549.8/5

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177809.722+/-61.813 χ^2/NDF:297378.1/4

Left: 176744.891+/-42.791 χ^2/NDF: 491497.8/10

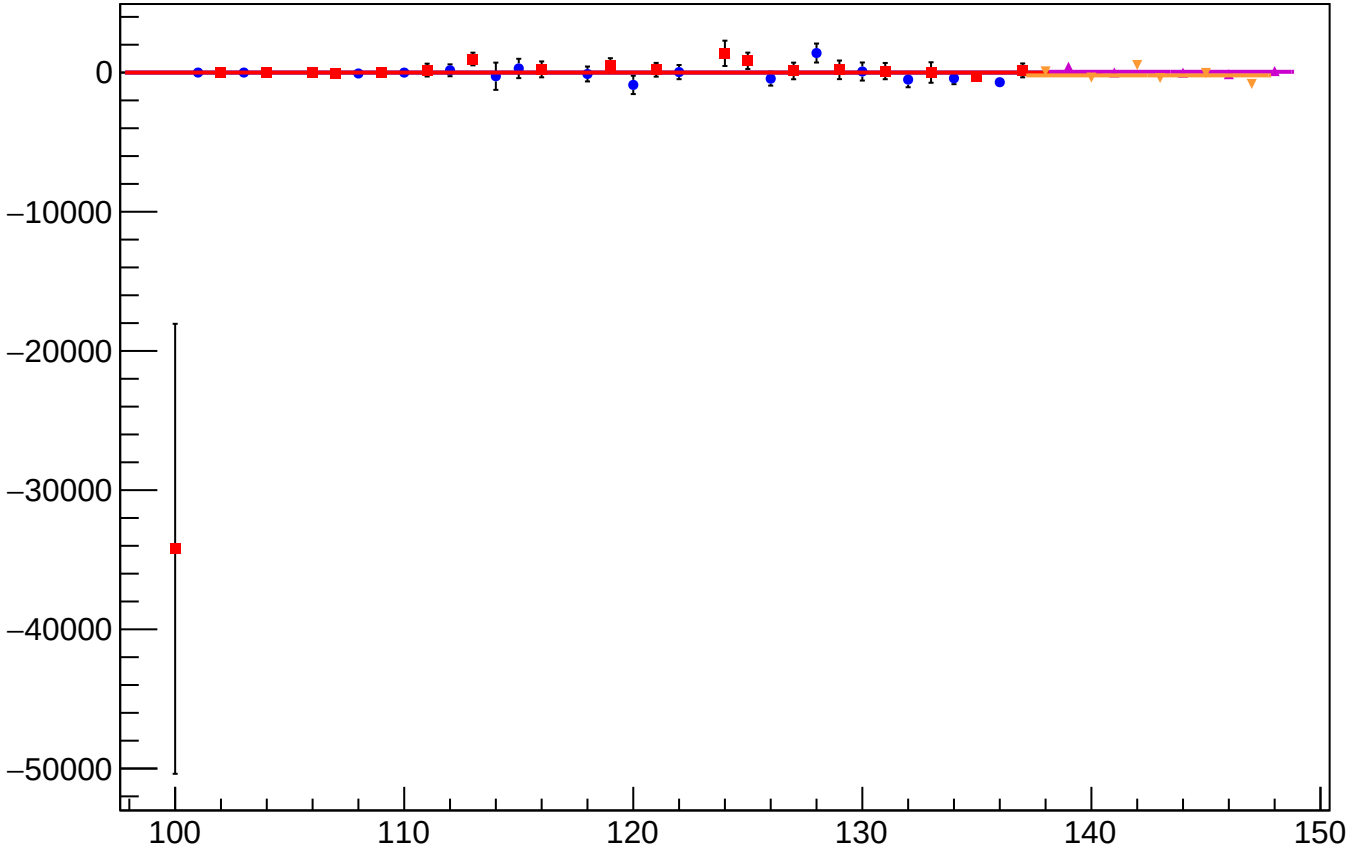
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 193686.037+/-43.957 χ^2/NDF:2390739.0/19

Out: 189178.480+/-42.818 χ^2/NDF:2370955.0/22

All: 191373.091+/-30.672 χ^2/NDF: 4767089.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -203.732+/-91.974 χ^2/NDF:17.4/5

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 53.882+/-100.112 χ^2/NDF:2.4/4

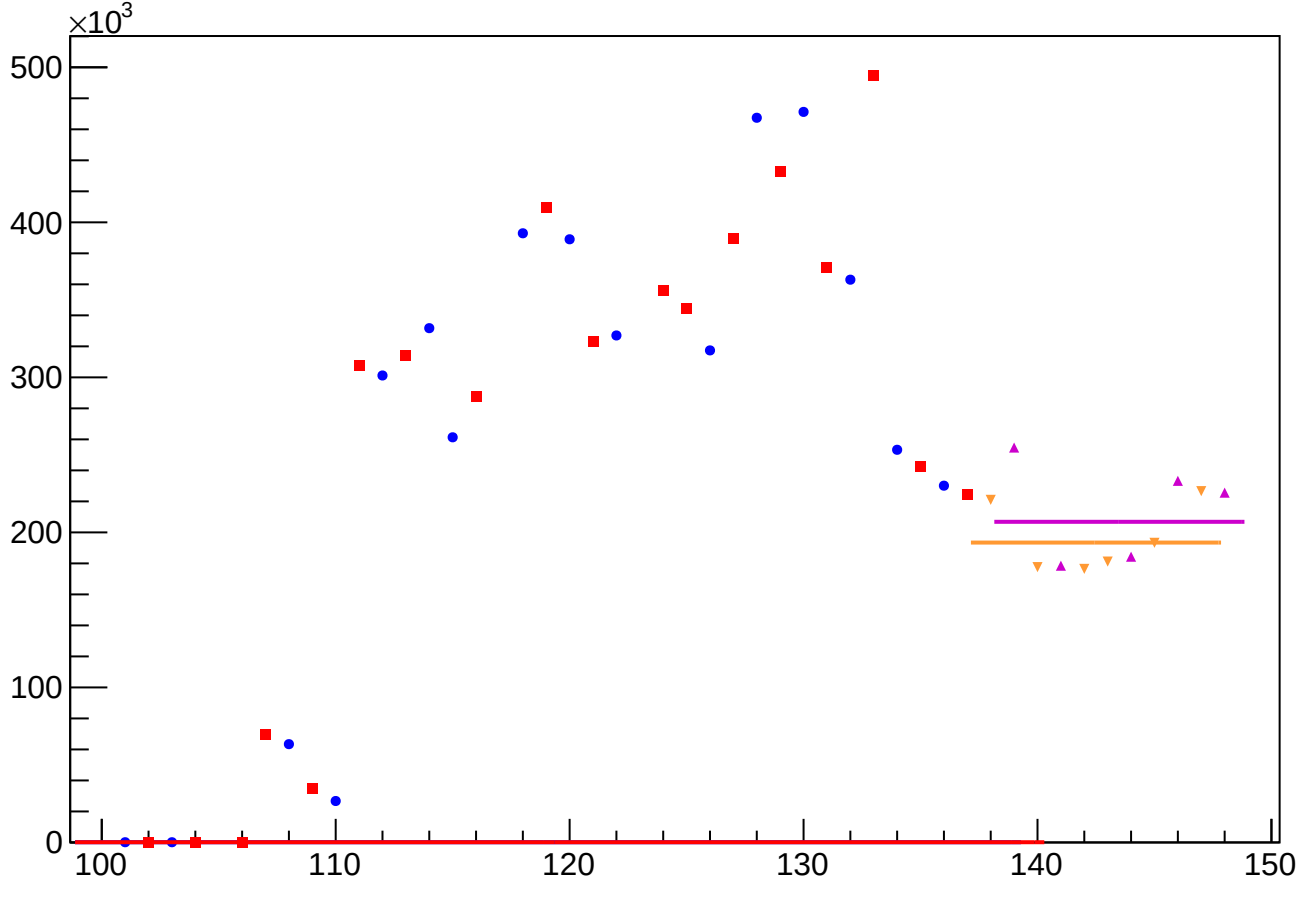
Left: -85.820+/-67.730 χ^2/NDF: 23.4/10

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:20.8/20

Out: 0.354+/-0.160 χ^2/NDF:38.8/24

All: 0.174+/-0.117 χ^2/NDF: 62.3/45



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 193437.146+/-65.036 χ^2/NDF:87867.7/5

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 206827.936+/-70.790 χ^2/NDF:165263.1/4

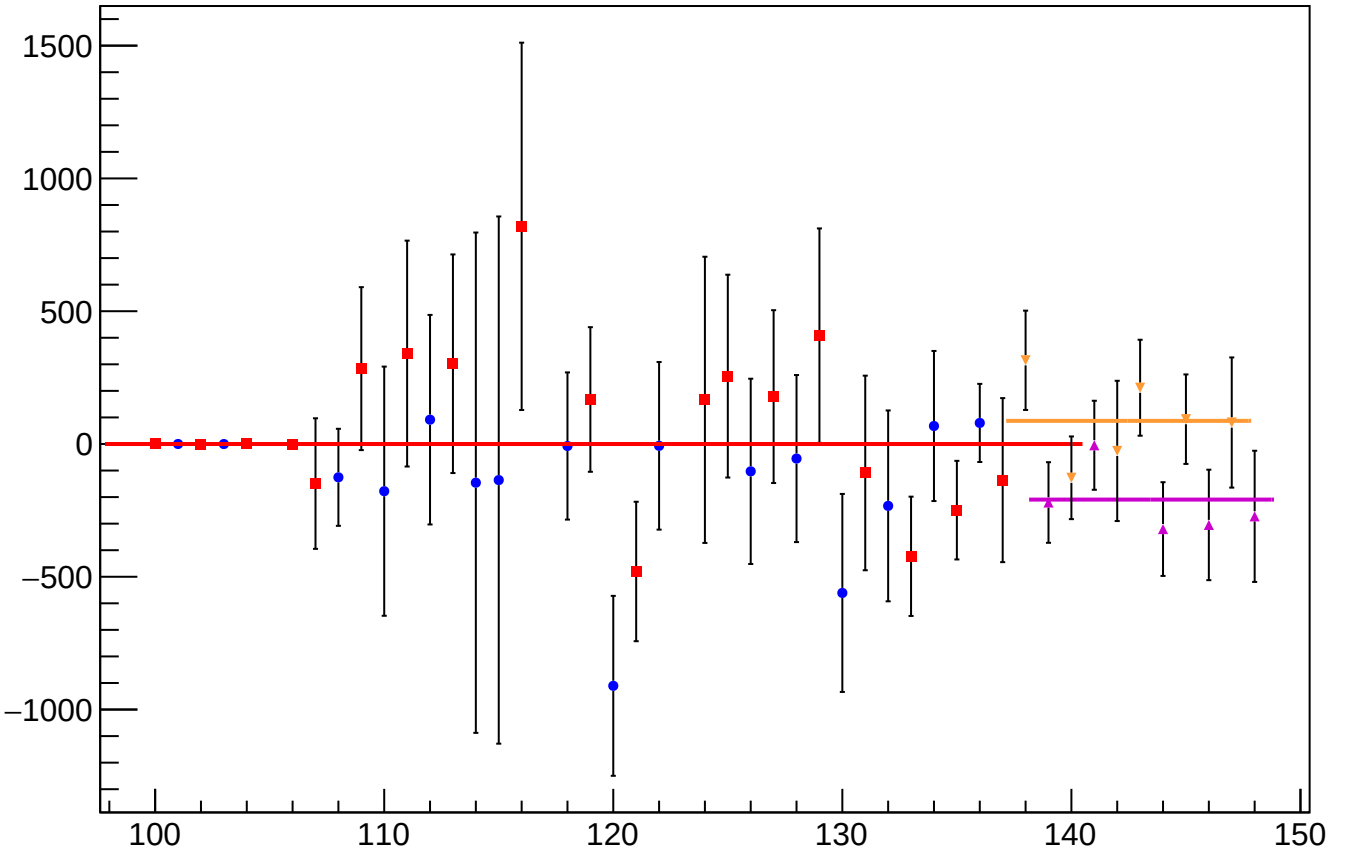
Left: 199566.227+/-47.892 χ^2/NDF: 272535.2/10

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.704+/-0.122 χ^2/NDF:19991239.7/20

Out: 149.965+/-0.113 χ^2/NDF:20209521.6/23

All: 149.844+/-0.083 χ^2/NDF: 40200763.7/44



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.069+/-77.450 χ^2/NDF:4.0/5

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -209.385+/-81.481 χ^2/NDF:2.2/4

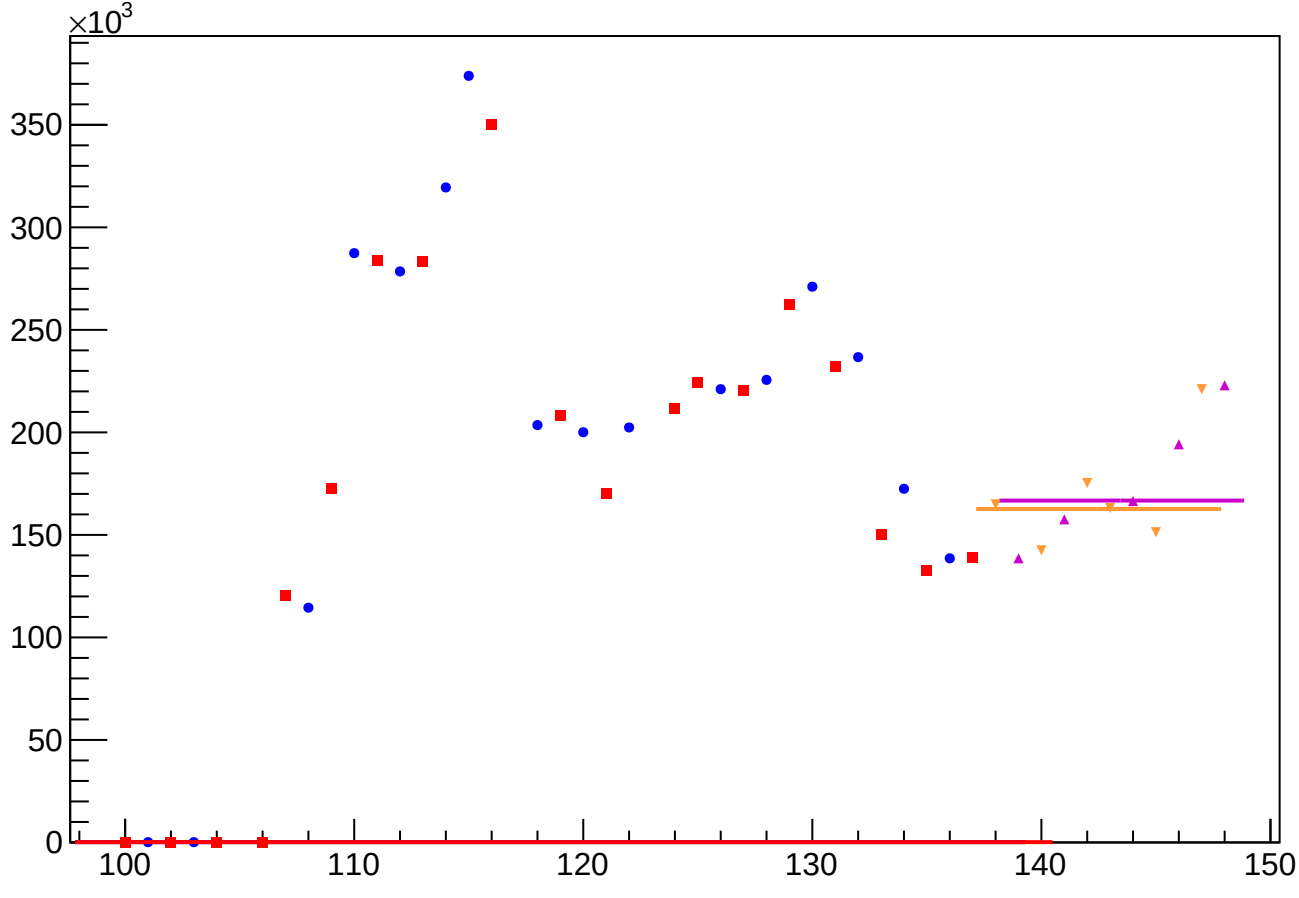
Left: -53.644+/-56.136 χ^2/NDF: 13.2/10

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:20.0/20

Out: -0.126+/-0.166 χ^2/NDF:20.5/24

All: -0.099+/-0.121 χ^2/NDF: 40.6/45



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 162657.828+/-54.766 χ^2/NDF:161135.4/5

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 166754.215+/-57.616 χ^2/NDF:213271.7/4

Left: 164602.197+/-39.694 χ^2/NDF: 377062.7/10

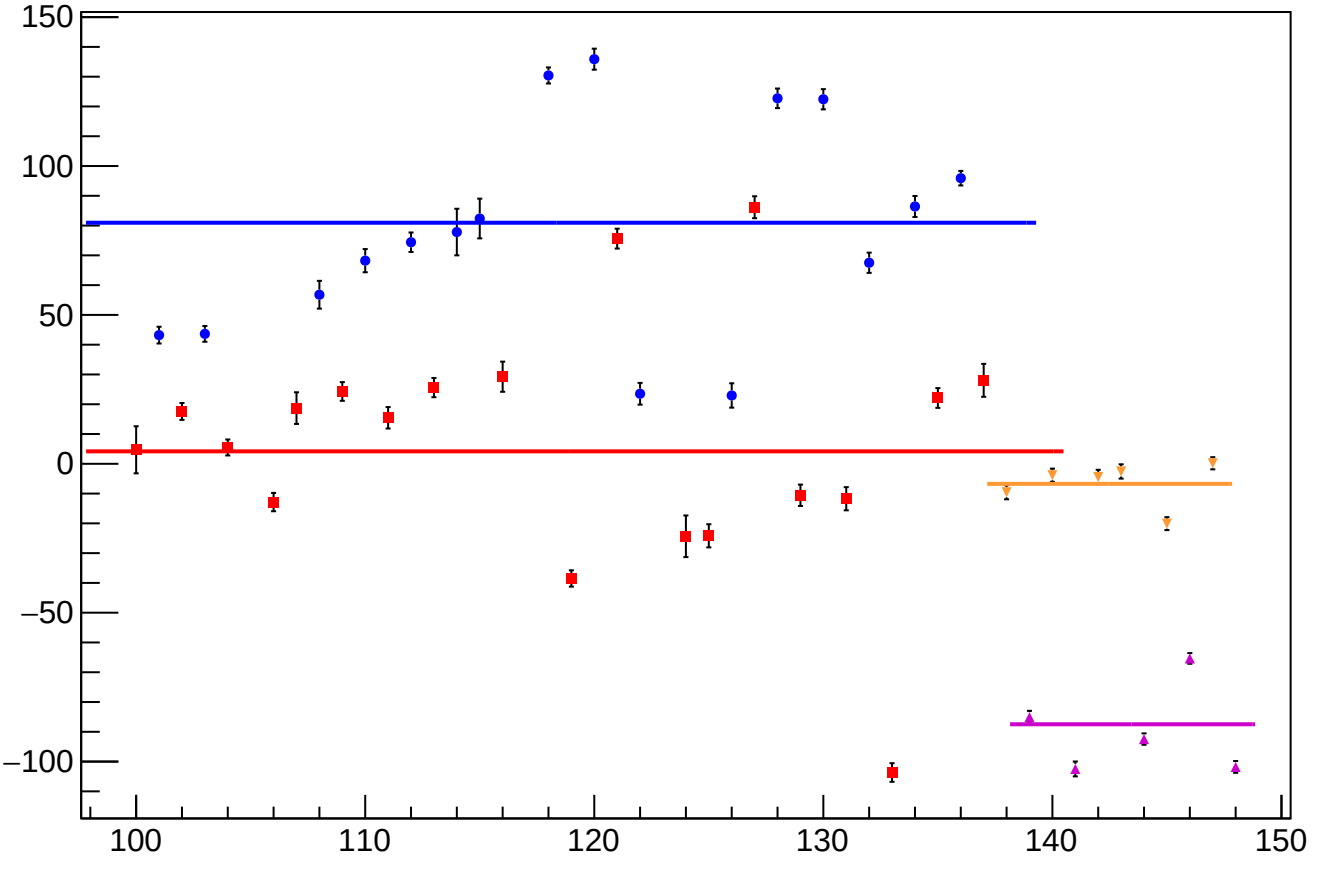
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.248+/-0.125 χ^2/NDF:20479405.7/20

Out: 156.908+/-0.118 χ^2/NDF:20296399.4/24

All: 155.661+/-0.086 χ^2/NDF: 40776044.5/45

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.736+/-0.924 χ^2/NDF:56.3/5

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -87.471+/-0.905 χ^2/NDF:248.7/4

Left: -47.921+/-0.647 χ^2/NDF: 4202.1/10

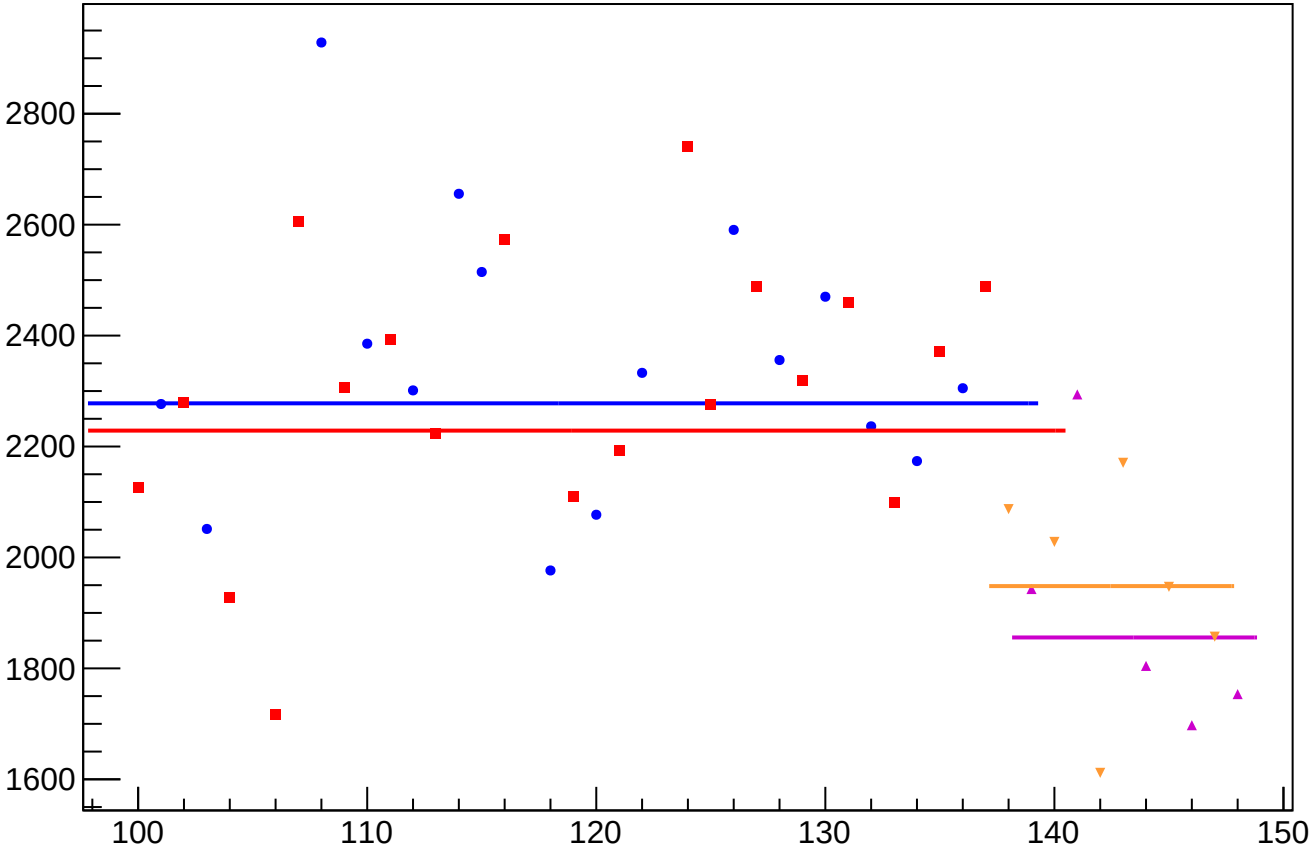
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 1.888+/-0.620 χ^2/NDF:20431.5/20

Out: -0.630+/-0.613 χ^2/NDF:2854.1/24

All: 0.615+/-0.436 χ^2/NDF: 23294.0/45

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1948.357+/-0.653 χ^2/NDF:68883.2/5

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1855.741+/-0.640 χ^2/NDF:87139.3/4

Left: 1901.111+/-0.457 χ^2/NDF: 166279.5/10

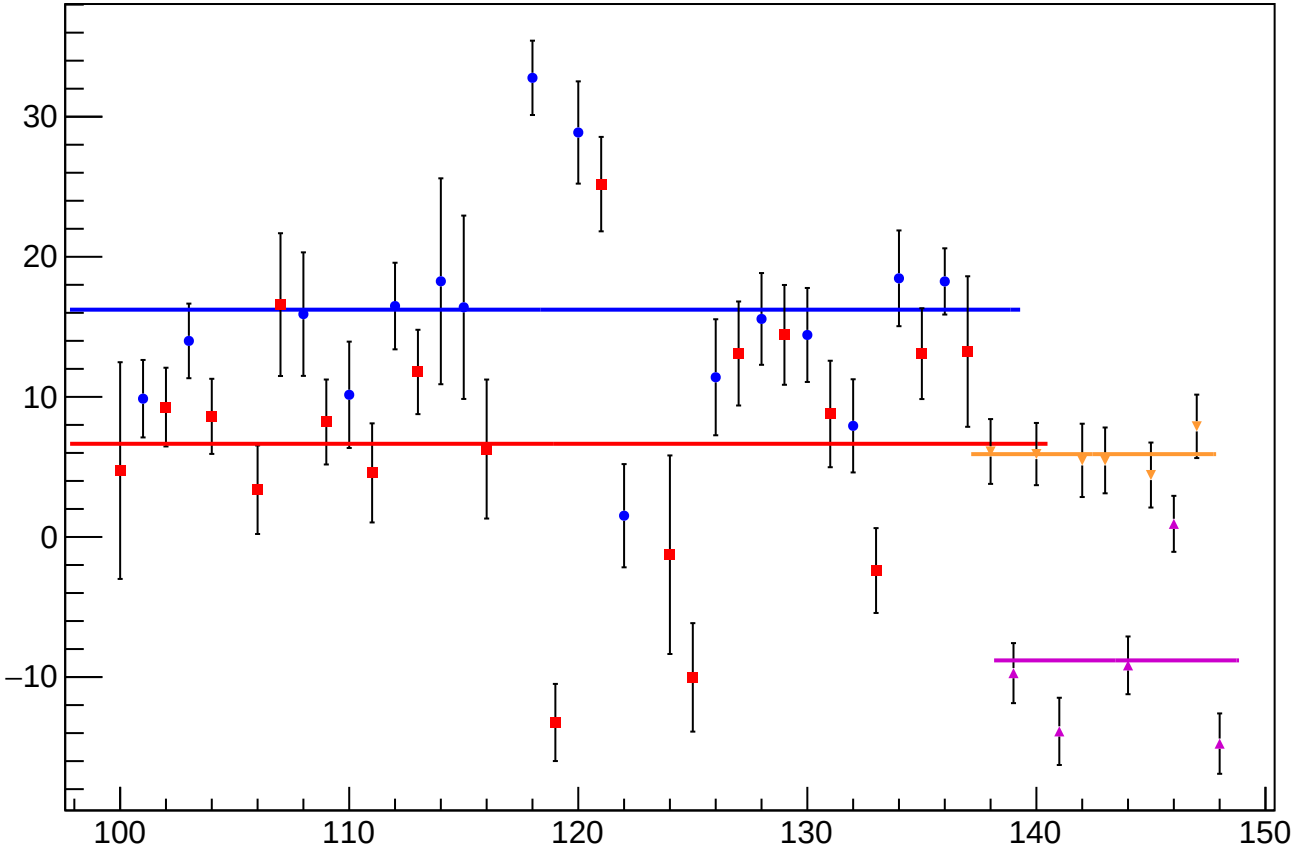
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2079.702+/-0.439 χ^2/NDF:433680.1/20

Out: 2105.117+/-0.434 χ^2/NDF:323030.3/24

All: 2092.552+/-0.308 χ^2/NDF: 758408.5/45

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.914+/-0.954 χ^2/NDF:1.3/5

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -8.810+/-0.957 χ^2/NDF:36.1/4

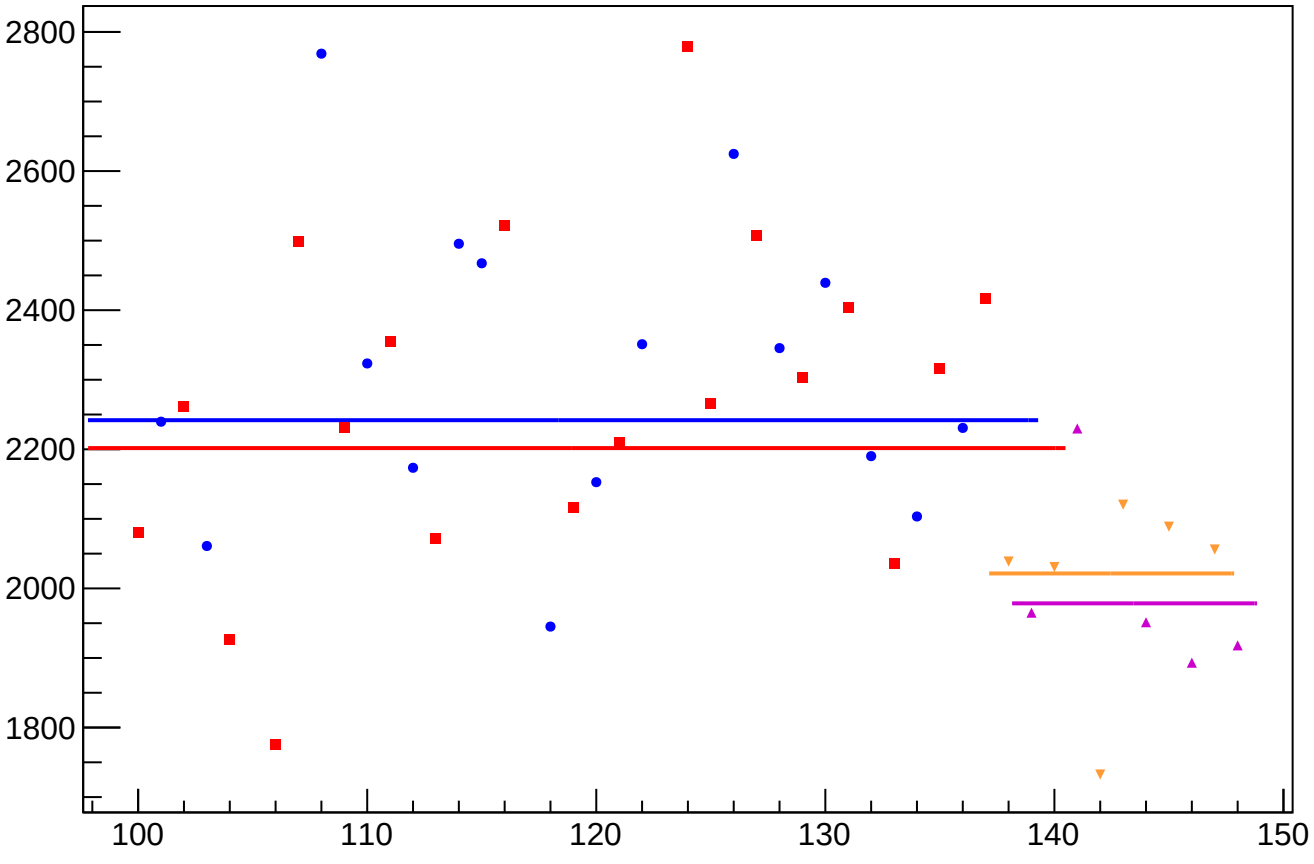
Left: -1.431+/-0.676 χ^2/NDF: 156.0/10

Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 5.362+/-0.630 χ^2/NDF:508.3/20

Out: 6.343+/-0.617 χ^2/NDF:136.2/24

All: 5.863+/-0.441 χ^2/NDF: 645.7/45



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2021.522+/-0.675 χ^2/NDF:30243.0/5

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 1978.516+/-0.676 χ^2/NDF:27587.8/4

Left: 2000.070+/-0.478 χ^2/NDF: 59856.4/10

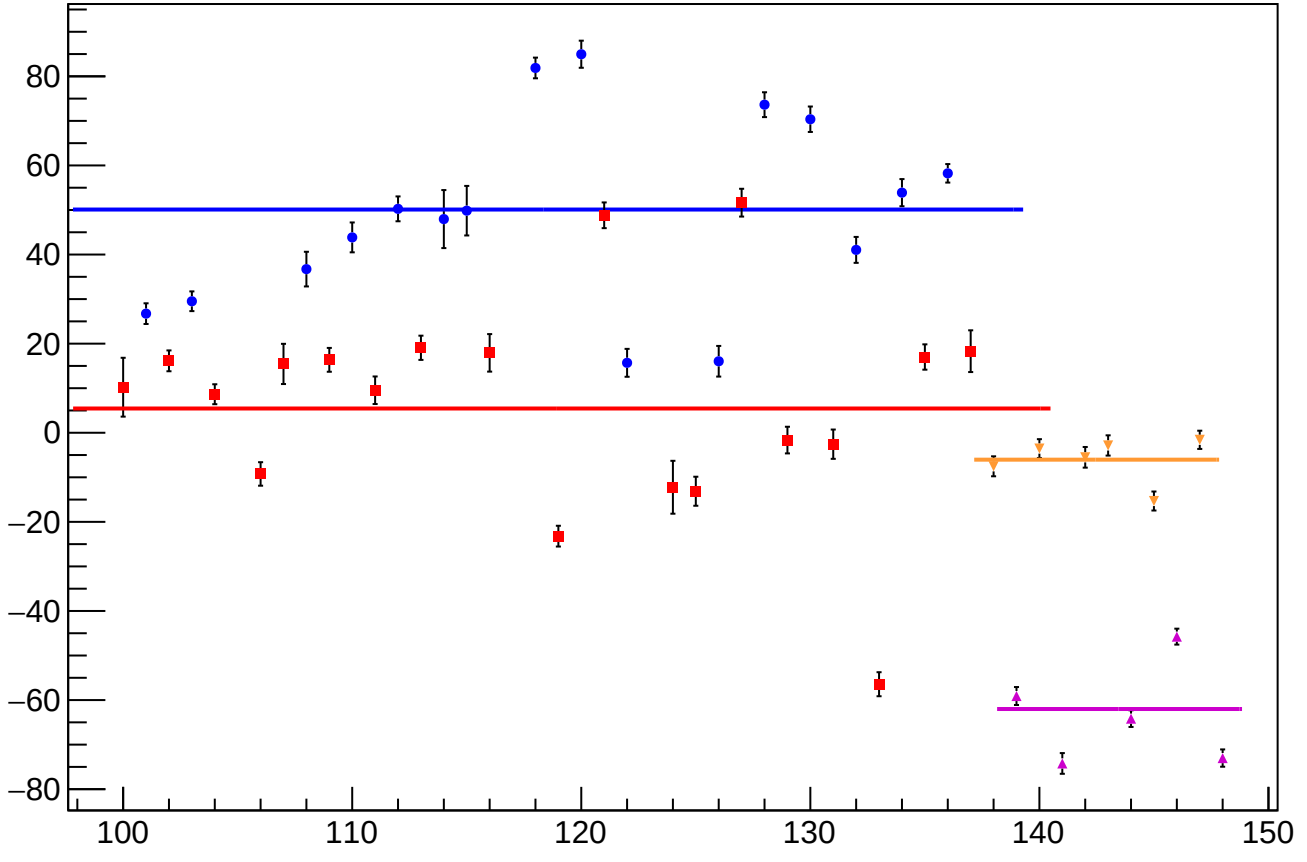
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2127.584+/-0.446 χ^2/NDF:215630.3/20

Out: 2126.360+/-0.436 χ^2/NDF:201607.2/24

All: 2126.959+/-0.312 χ^2/NDF: 417241.4/45

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -6.040+/-0.890 χ^2/NDF:27.5/5

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -62.005+/-0.878 χ^2/NDF:145.6/4

Left: -34.399+/-0.625 χ^2/NDF: 2175.6/10

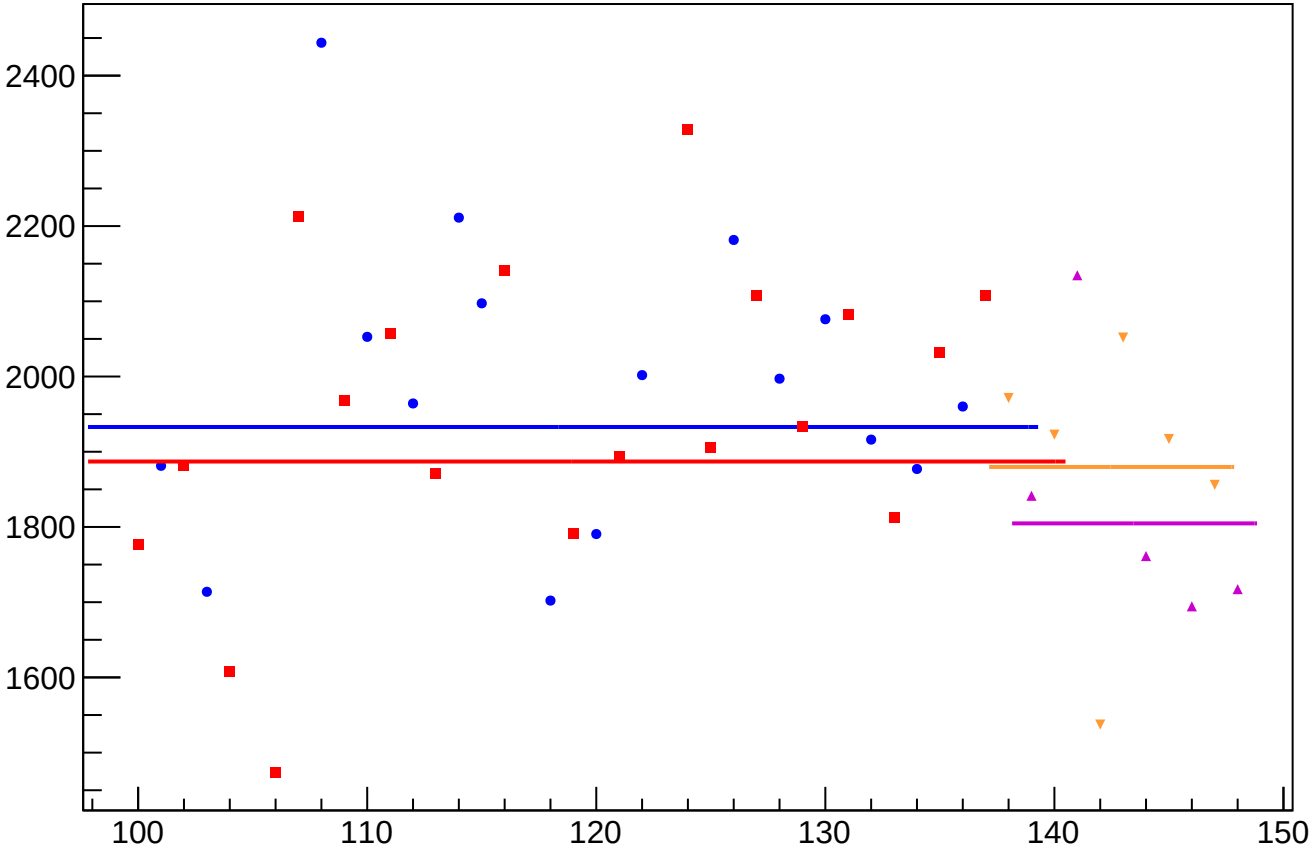
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 4.891+/-0.558 χ^2/NDF:10754.0/20

Out: 1.101+/-0.547 χ^2/NDF:1442.6/24

All: 2.960+/-0.391 χ^2/NDF: 12220.1/45

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1879.764+/-0.630 χ^2/NDF:60123.8/5

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1804.748+/-0.621 χ^2/NDF:53657.9/4

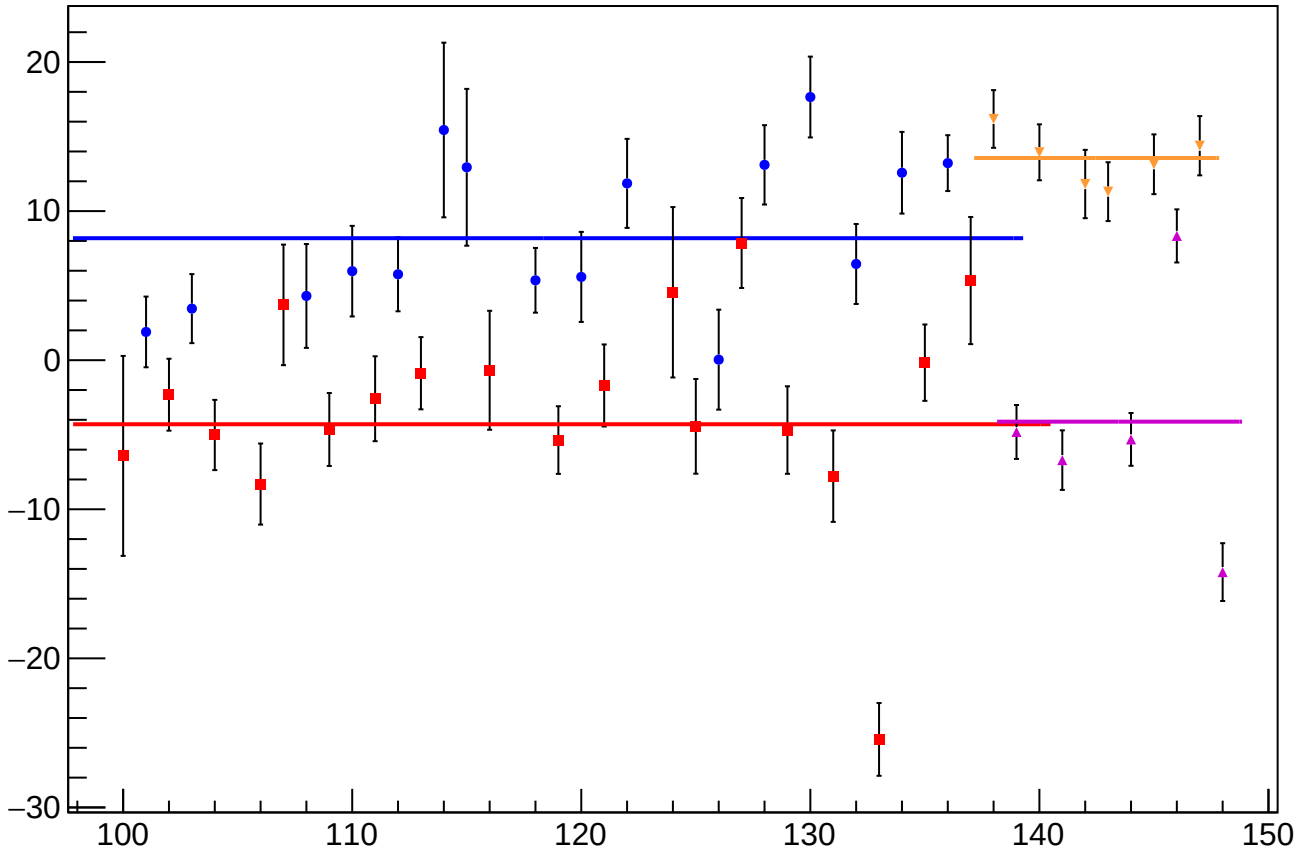
Left: 1841.752+/-0.442 χ^2/NDF: 120977.2/10

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1881.220+/-0.394 χ^2/NDF:185029.2/20

Out: 1884.267+/-0.387 χ^2/NDF:209952.6/24

All: 1882.772+/-0.276 χ^2/NDF: 395012.2/45



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.562+/-0.816 χ^2/NDF:4.0/5

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -4.123+/-0.829 χ^2/NDF:78.3/4

Left: 4.851+/-0.582 χ^2/NDF: 313.4/10

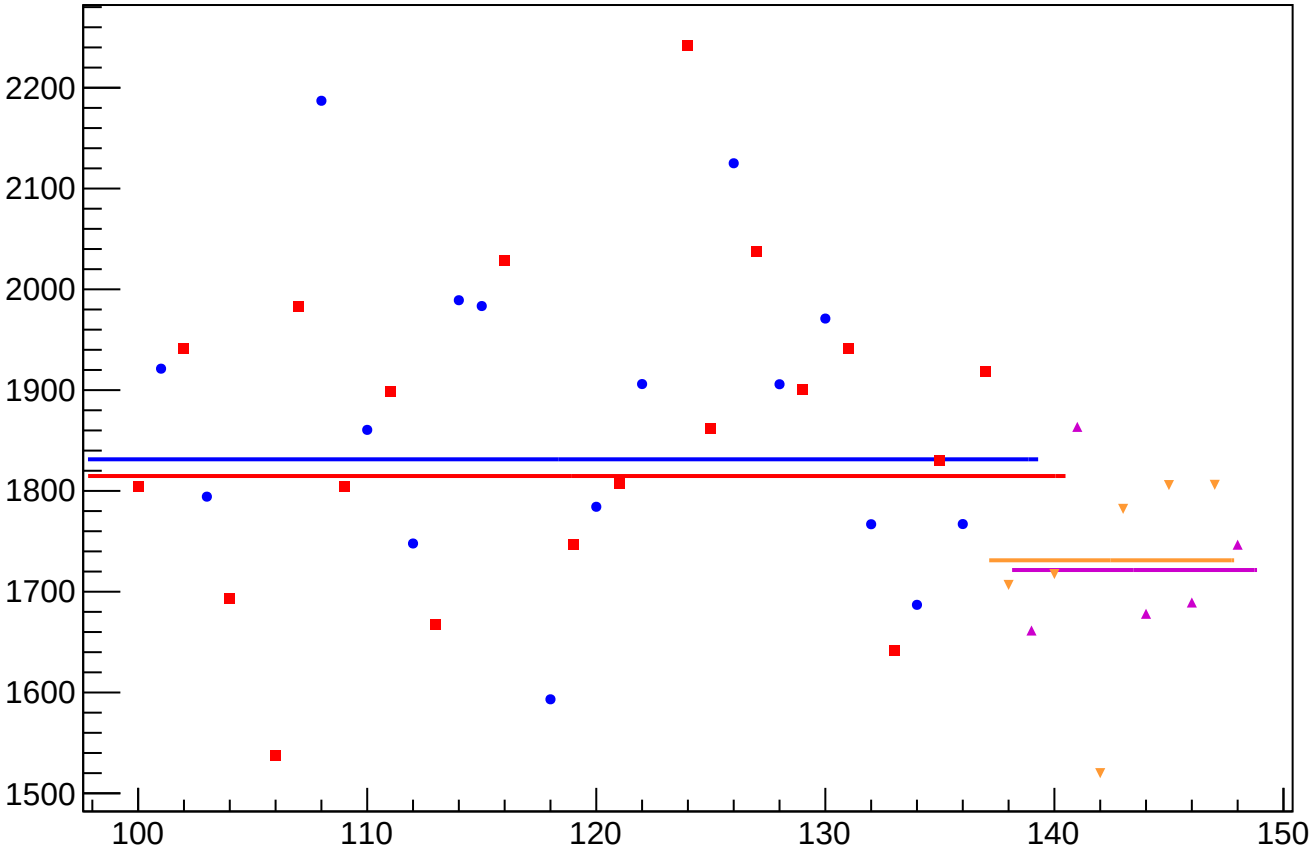
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 3.200+/-0.527 χ^2/NDF:261.5/20

Out: 2.832+/-0.516 χ^2/NDF:405.4/24

All: 3.012+/-0.369 χ^2/NDF: 667.2/45

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1731.160+/-0.577 χ^2/NDF:24354.0/5

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1721.522+/-0.586 χ^2/NDF:14509.5/4

Left: 1726.413+/-0.411 χ^2/NDF: 39000.8/10

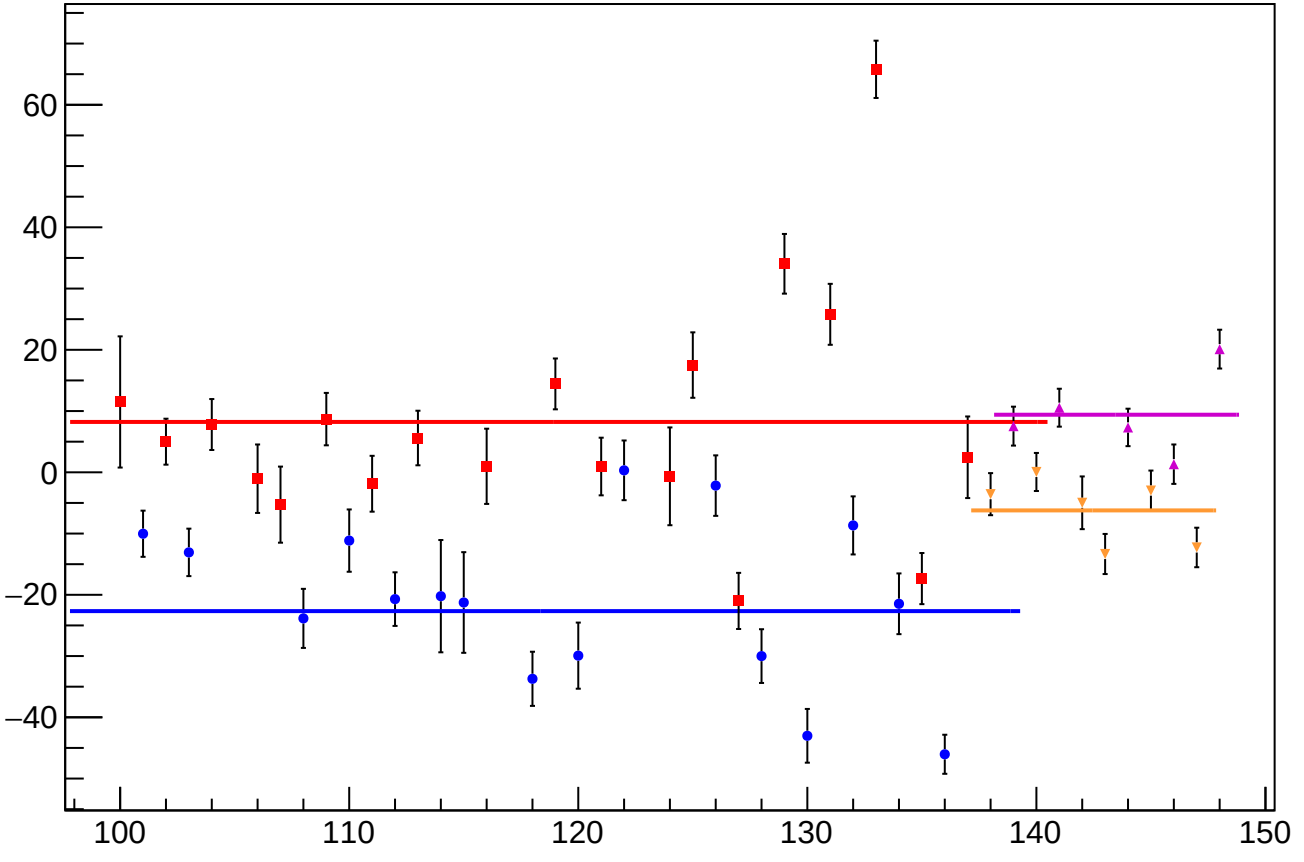
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1786.883+/-0.373 χ^2/NDF:122338.5/20

Out: 1781.396+/-0.365 χ^2/NDF:127697.1/24

All: 1784.079+/-0.261 χ^2/NDF: 250146.3/45

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.221+/-1.380 χ^2/NDF:14.0/5

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.401+/-1.405 χ^2/NDF:18.7/4

Left: 1.448+/-0.984 χ^2/NDF: 95.6/10

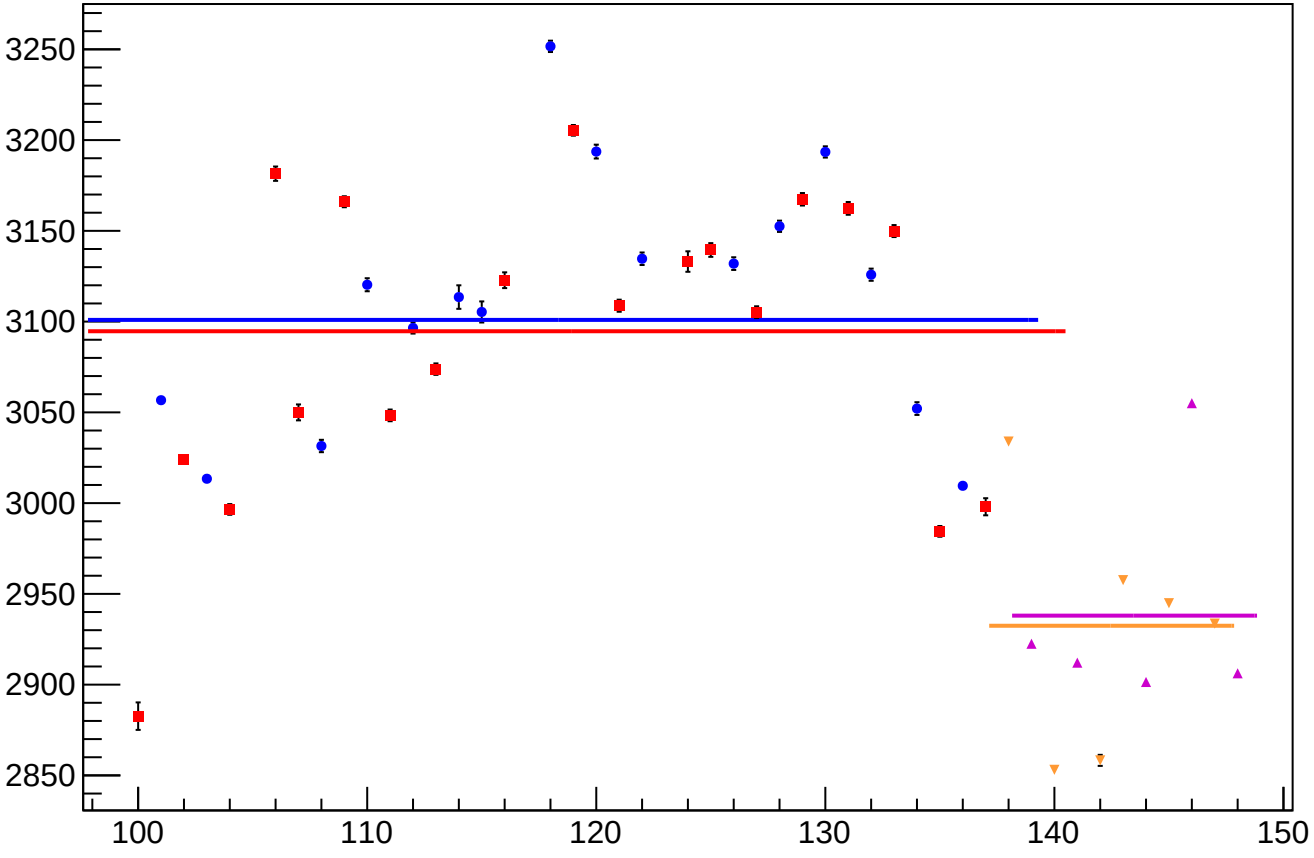
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -9.775+/-0.891 χ^2/NDF:487.3/20

Out: 2.432+/-0.874 χ^2/NDF:374.5/24

All: -3.553+/-0.624 χ^2/NDF: 957.4/45

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2932.440+/-0.976 χ^2/NDF:3791.5/5

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2938.016+/-0.994 χ^2/NDF:3320.9/4

Left: 2935.177+/-0.696 χ^2/NDF: 7128.5/10

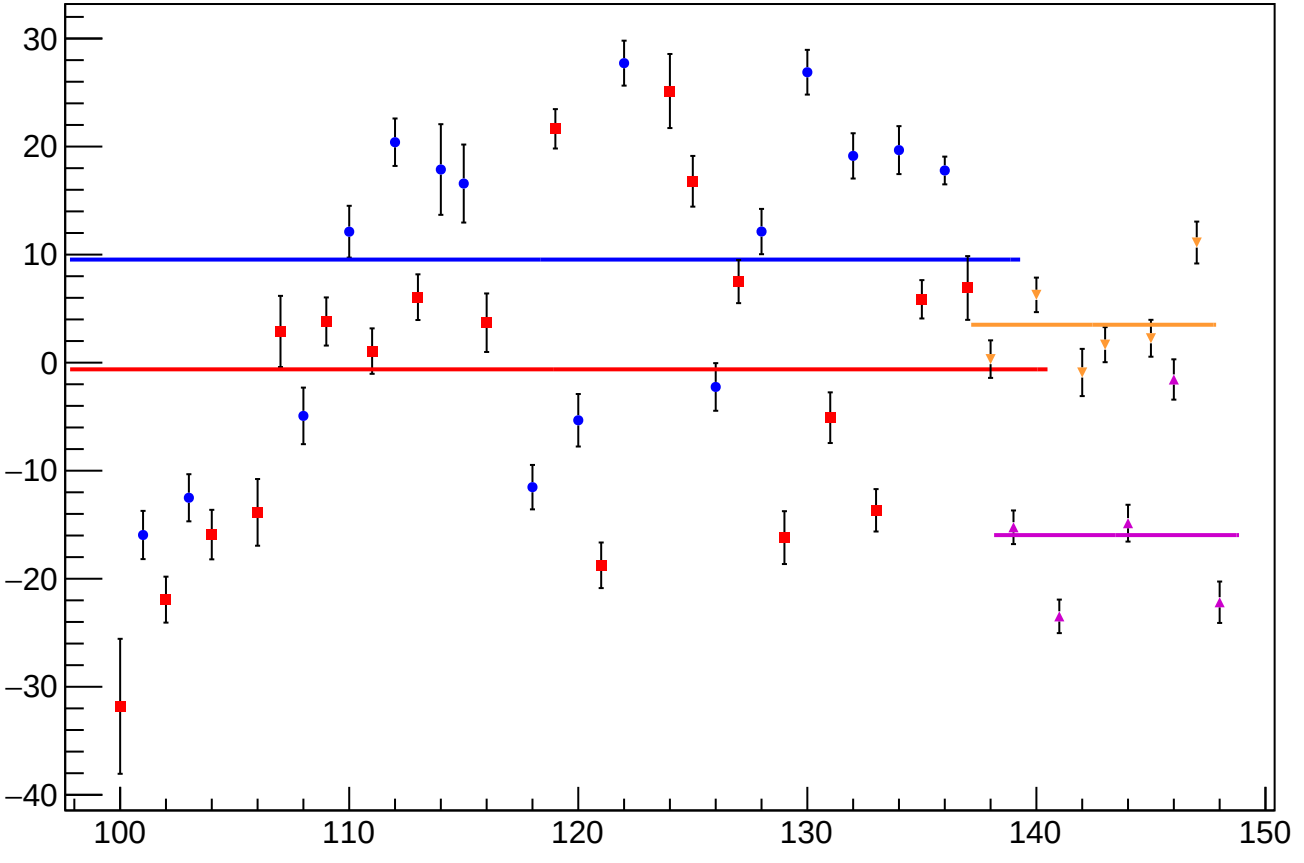
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3035.453+/-0.630 χ^2/NDF:27295.9/20

Out: 3029.631+/-0.618 χ^2/NDF:28943.9/24

All: 3032.485+/-0.441 χ^2/NDF: 56283.3/45

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 3.509+/-0.721 χ^2/NDF:27.7/5

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -15.961+/-0.760 χ^2/NDF:94.3/4

Left: -5.722+/-0.523 χ^2/NDF: 467.3/10

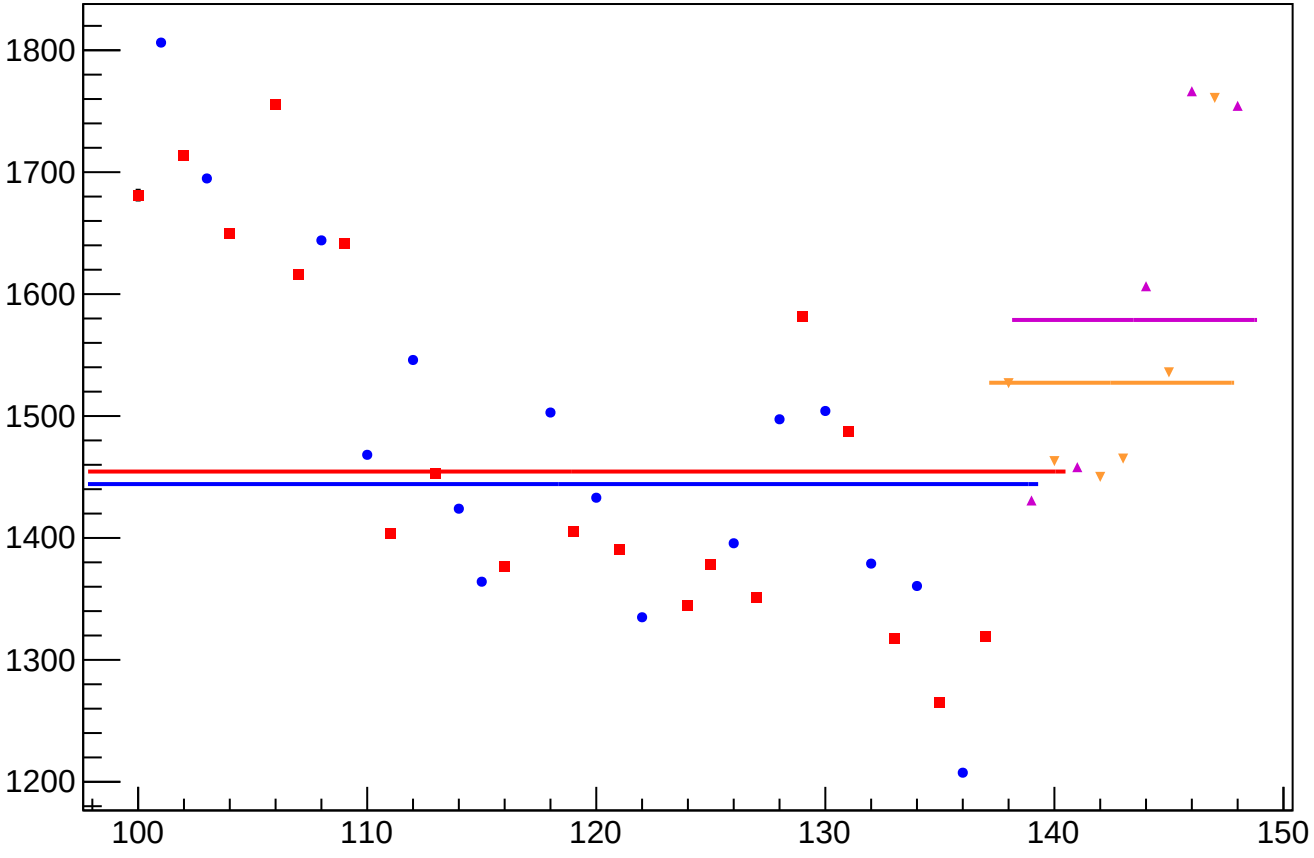
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 0.955+/-0.441 χ^2/NDF:1540.2/20

Out: 0.842+/-0.429 χ^2/NDF:714.7/24

All: 0.897+/-0.308 χ^2/NDF: 2254.9/45

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1527.307+/-0.510 χ^2/NDF:37778.0/5

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1578.800+/-0.537 χ^2/NDF:67737.2/4

Left: 1551.719+/-0.370 χ^2/NDF: 110346.1/10

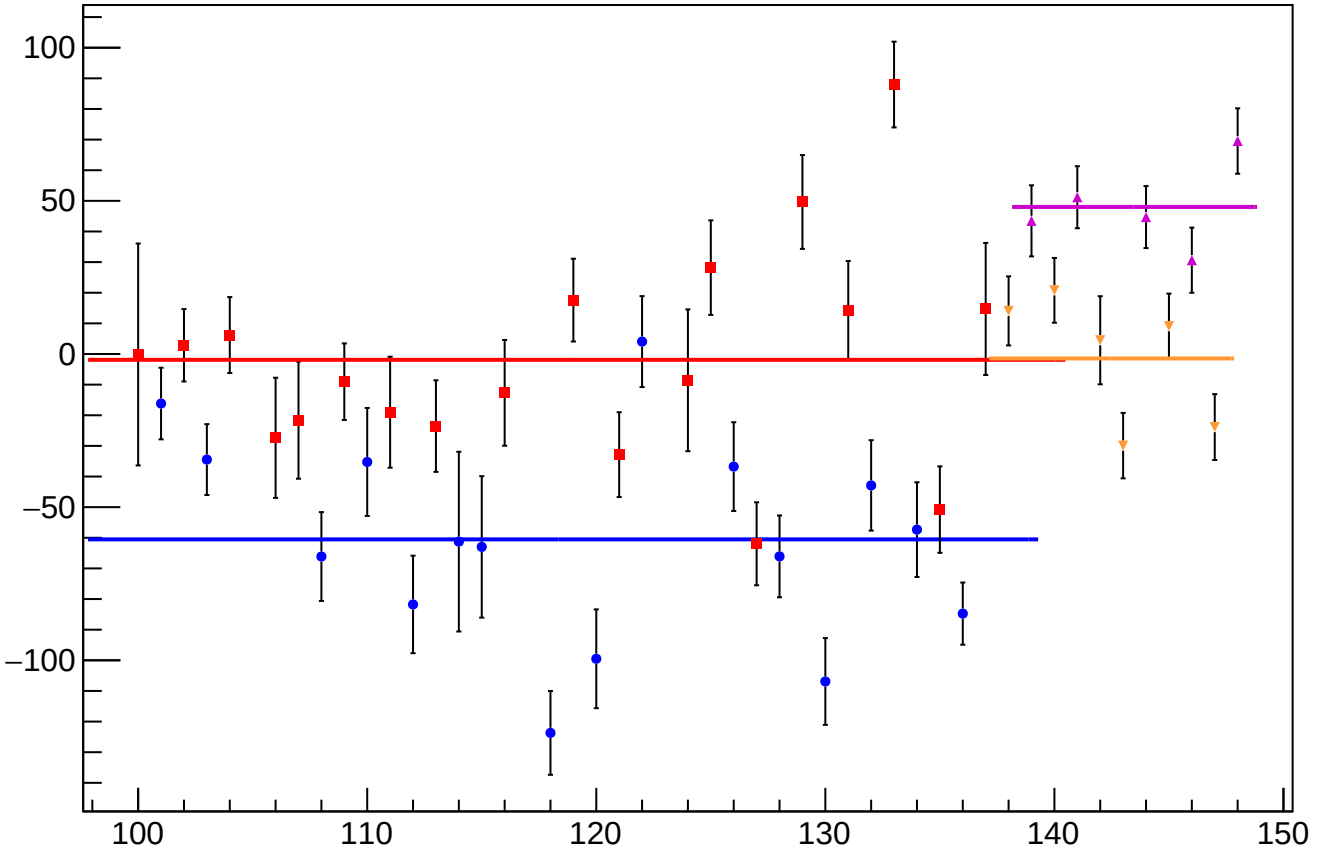
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1489.508+/-0.312 χ^2/NDF:289526.4/20

Out: 1480.259+/-0.304 χ^2/NDF:193719.7/24

All: 1484.760+/-0.217 χ^2/NDF: 483697.9/45

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -1.451+/-4.569 χ^2/NDF:18.9/5

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 48.014+/-4.738 χ^2/NDF:7.1/4

Left: 22.383+/-3.289 χ^2/NDF: 82.5/10

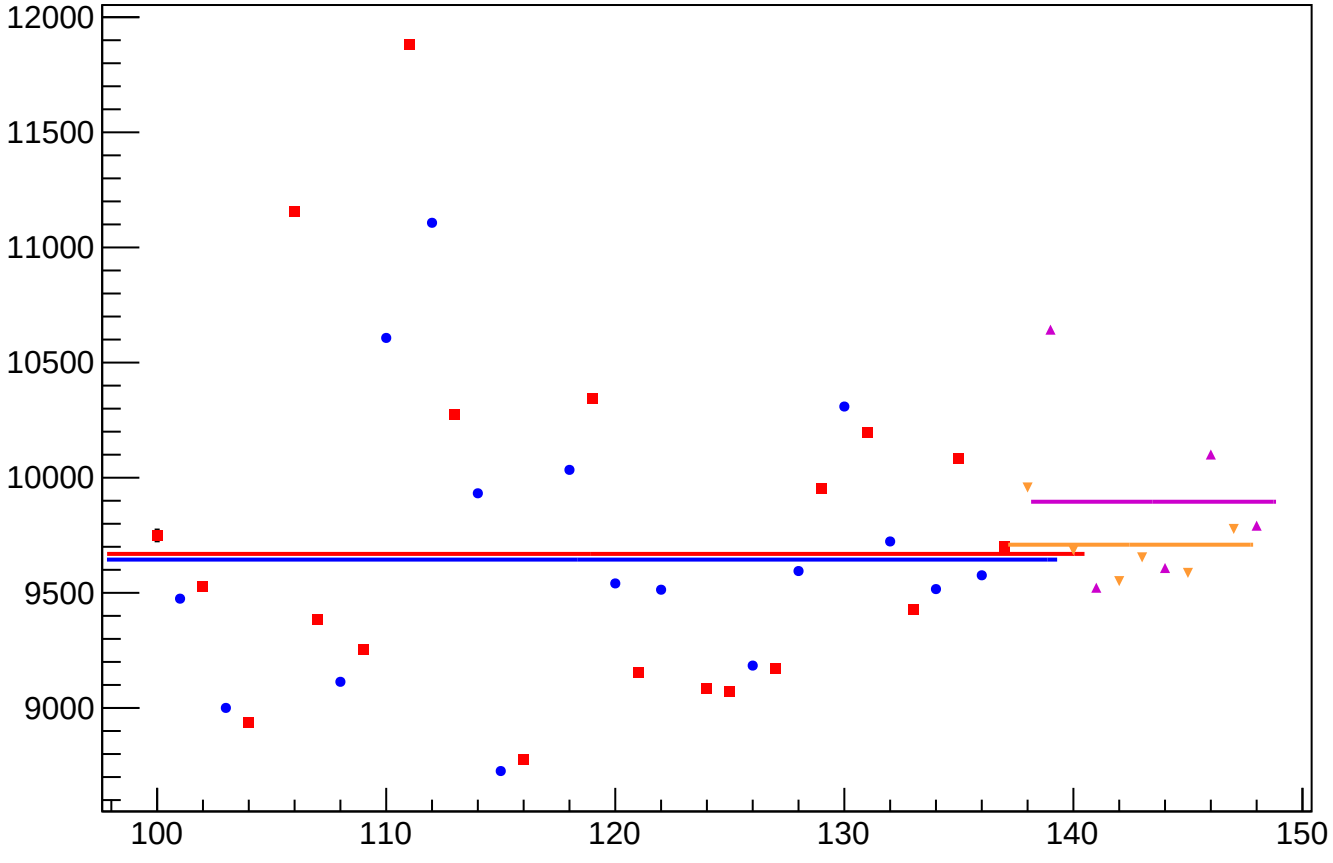
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -20.846+/-2.865 χ^2/NDF:430.3/20

Out: -1.728+/-2.800 χ^2/NDF:122.8/24

All: -11.068+/-2.002 χ^2/NDF: 575.9/45

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9709.101+/-3.231 χ^2/NDF:1623.1/5

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 9895.662+/-3.350 χ^2/NDF:13562.5/4

Left: 9798.992+/-2.326 χ^2/NDF: 16792.4/10

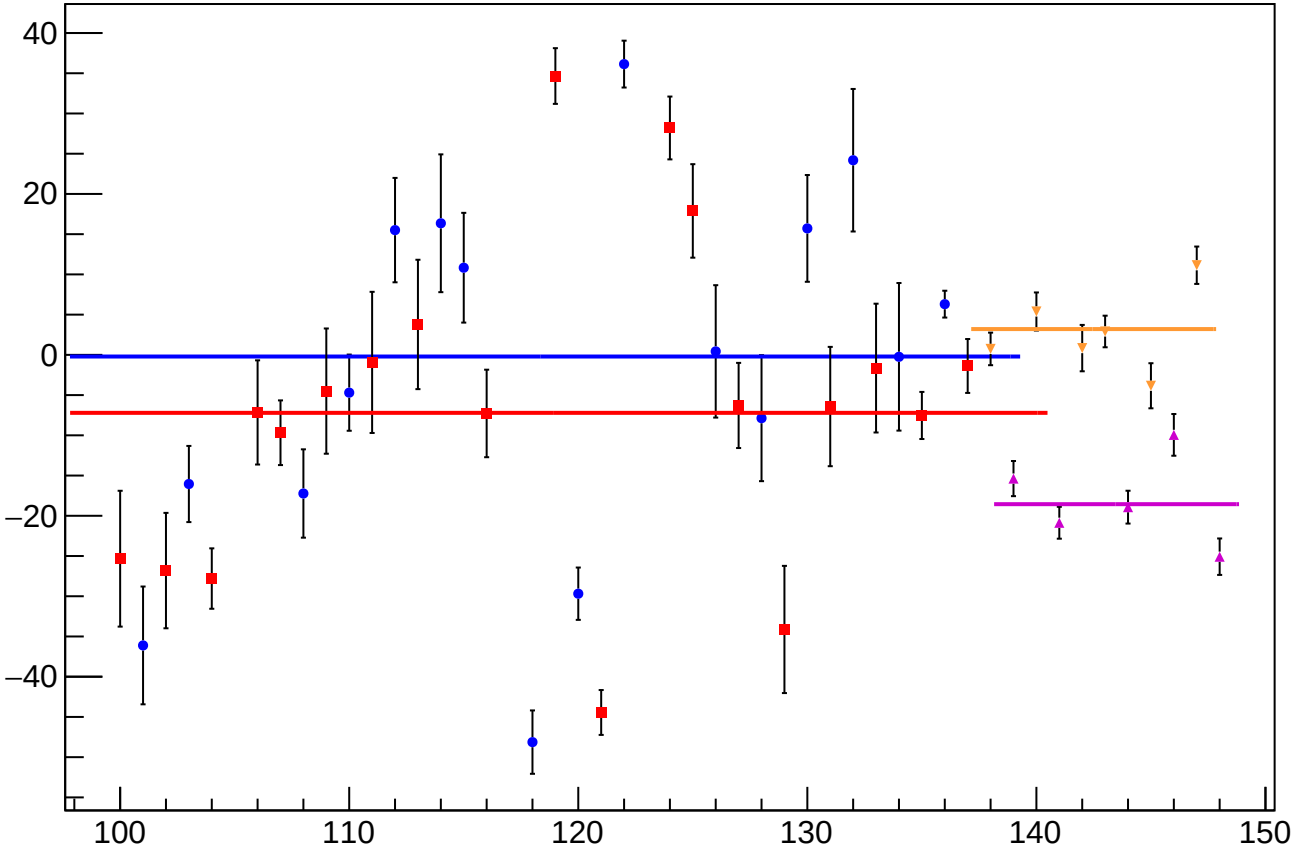
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9736.239+/-2.026 χ^2/NDF:61232.8/20

Out: 9684.143+/-1.980 χ^2/NDF:81596.8/24

All: 9709.595+/-1.416 χ^2/NDF: 143167.9/45

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 3.205+/-0.947 χ^2/NDF:21.0/5

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -18.557+/-0.977 χ^2/NDF:22.9/4

Left: -7.339+/-0.680 χ^2/NDF: 299.8/10

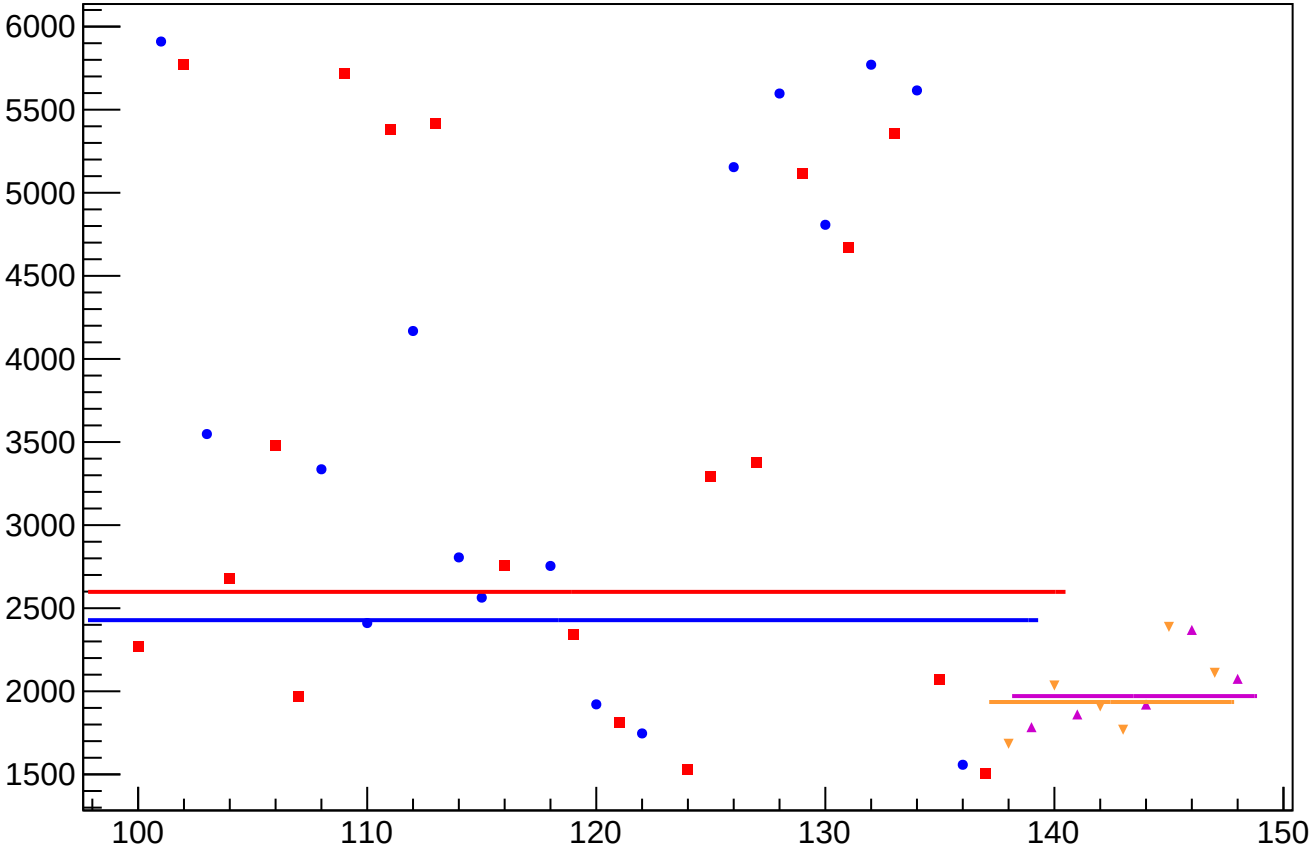
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -10.003+/-0.714 χ^2/NDF:661.1/20

Out: -1.350+/-0.710 χ^2/NDF:559.6/24

All: -5.655+/-0.503 χ^2/NDF: 1294.5/45

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1935.561+/-0.670 χ^2/NDF:112496.5/5

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1971.188+/-0.691 χ^2/NDF:73500.6/4

Left: 1952.822+/-0.481 χ^2/NDF: 187368.7/10

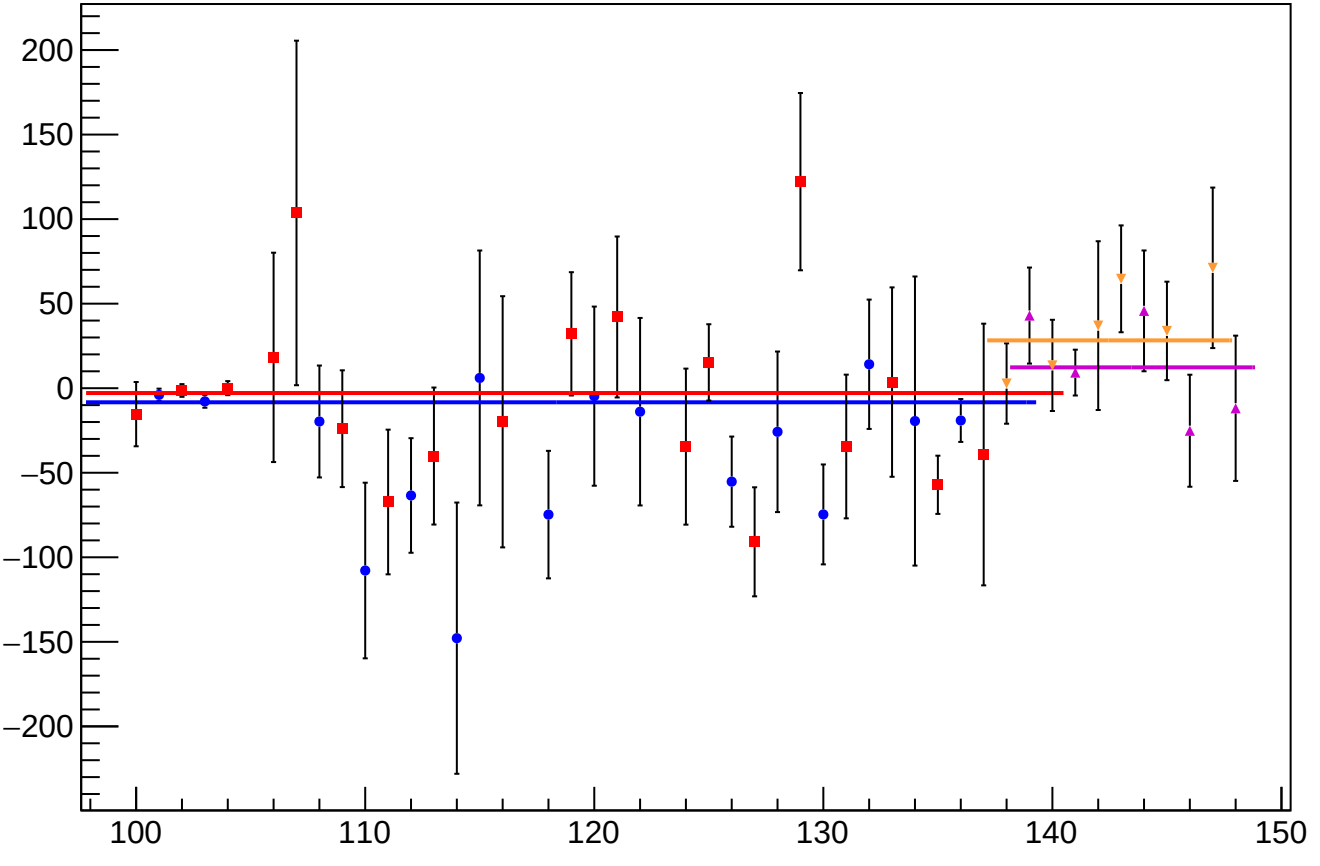
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2184.151+/-0.505 χ^2/NDF:3092813.0/20

Out: 2225.539+/-0.502 χ^2/NDF:3056111.5/24

All: 2204.948+/-0.356 χ^2/NDF: 6152304.3/45

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 28.295+/-12.731 χ^2/NDF:3.7/5

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 12.333+/-10.586 χ^2/NDF:3.7/4

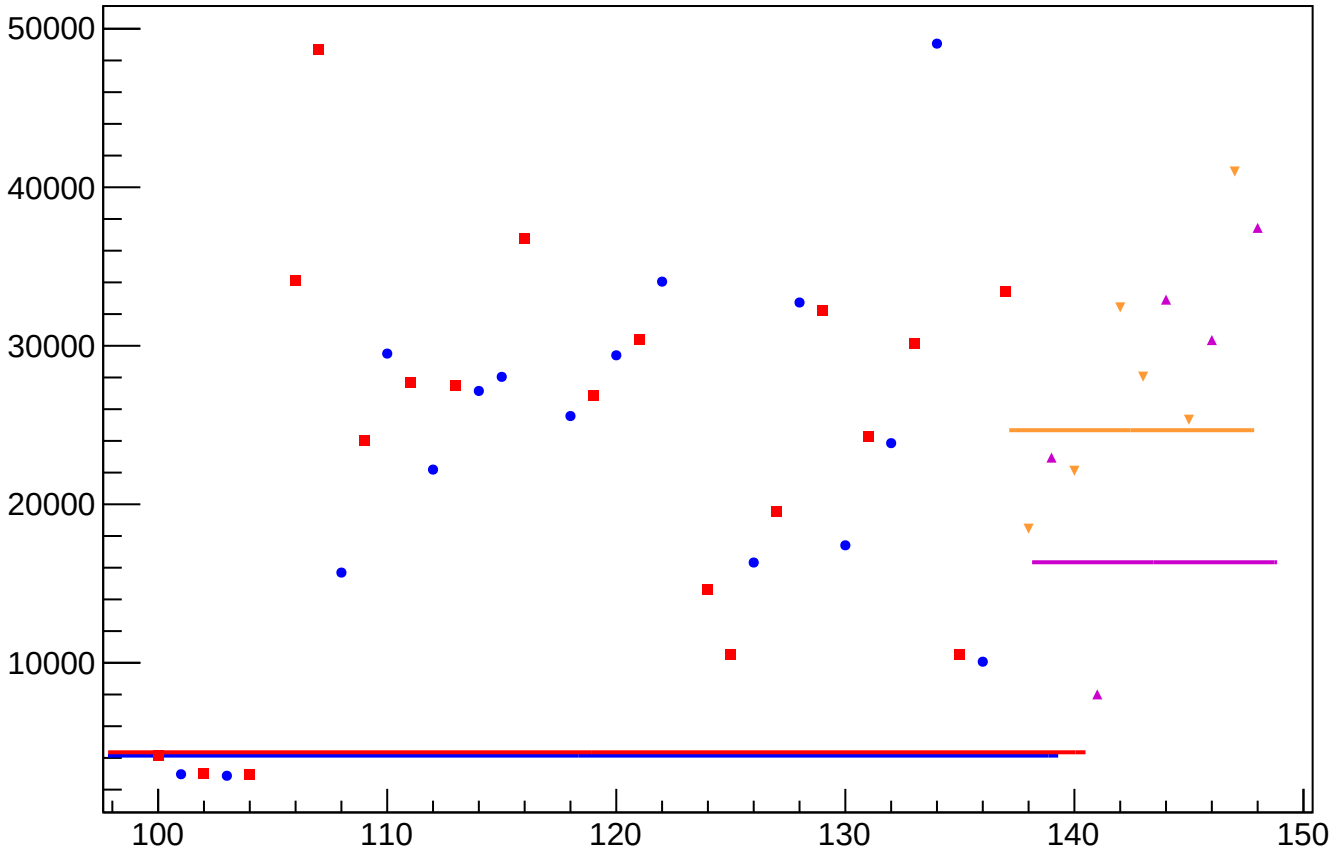
Left: 18.858+/-8.140 χ^2/NDF: 8.3/10

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.241+/-2.432 χ^2/NDF:30.7/20

Out: -1.564+/-2.585 χ^2/NDF:42.0/24

All: -4.575+/-1.771 χ^2/NDF: 75.3/45



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24674.376+/-9.002 χ^2/NDF:463056.3/5

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 16342.960+/-7.486 χ^2/NDF:2135508.3/4

Left: 19748.782+/-5.756 χ^2/NDF: 3104966.6/10

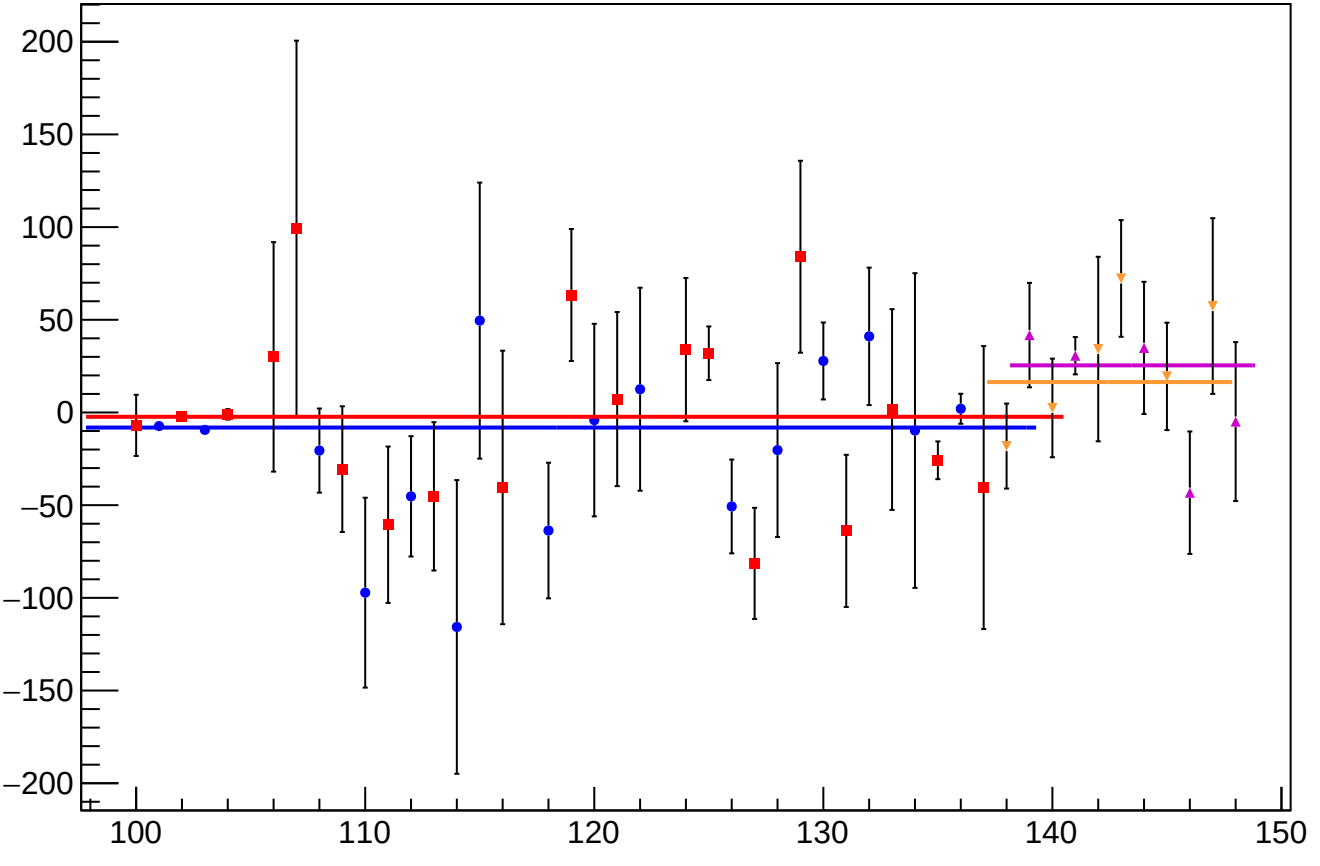
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4789.798+/-1.720 χ^2/NDF:11487322.4/20

Out: 5191.957+/-1.828 χ^2/NDF:12973030.3/24

All: 4978.697+/-1.253 χ^2/NDF: 24486030.3/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 16.412+/-12.532 χ^2/NDF:6.6/5

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 25.413+/-8.644 χ^2/NDF:5.5/4

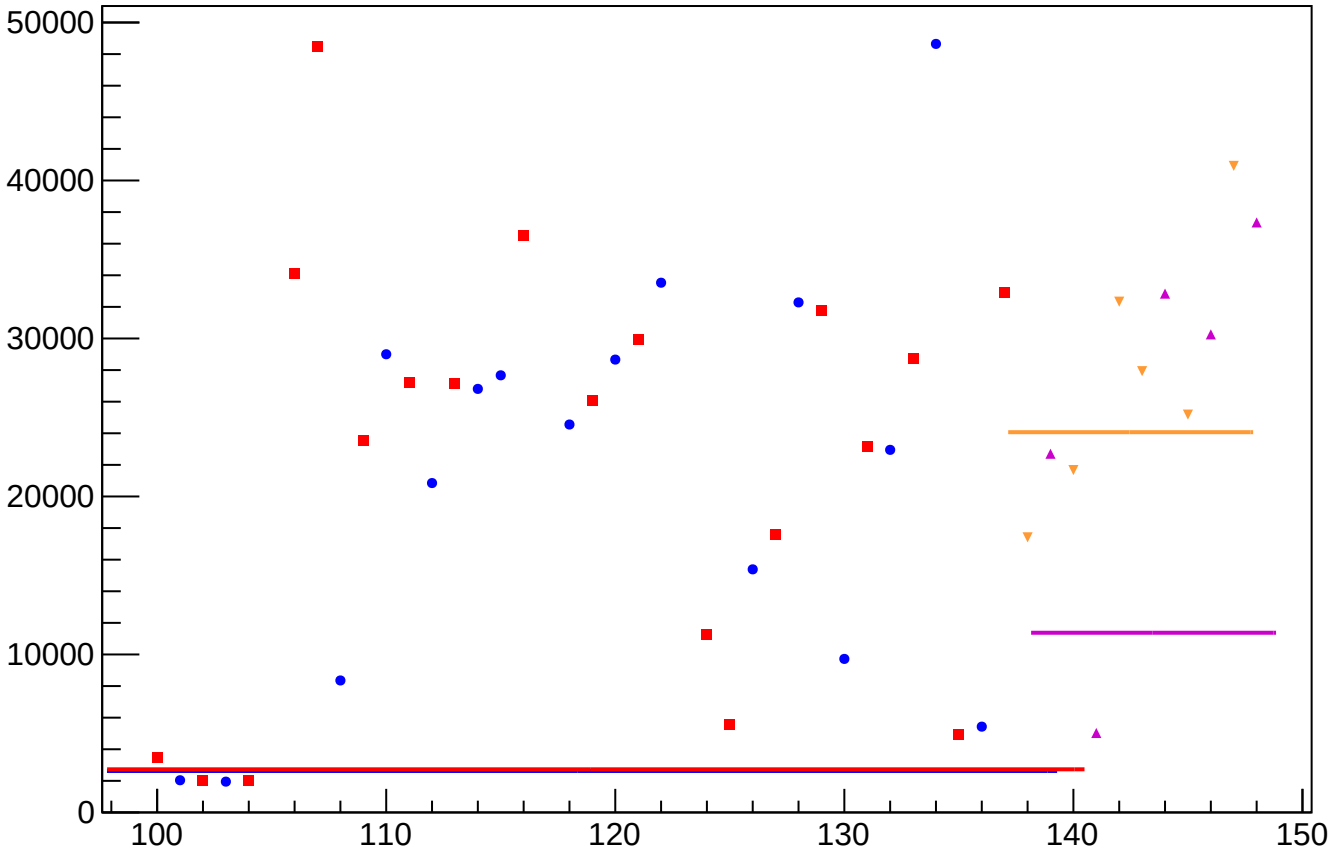
Left: 22.511+/-7.116 χ^2/NDF: 12.4/10

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.854+/-1.687 χ^2/NDF:39.1/20

Out: -1.937+/-1.803 χ^2/NDF:41.8/24

All: -4.558+/-1.232 χ^2/NDF: 84.9/45



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24068.279+/-8.861 χ^2/NDF:526062.5/5

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 11374.706+/-6.112 χ^2/NDF:3231554.1/4

Left: 15467.274+/-5.032 χ^2/NDF: 5148026.0/10

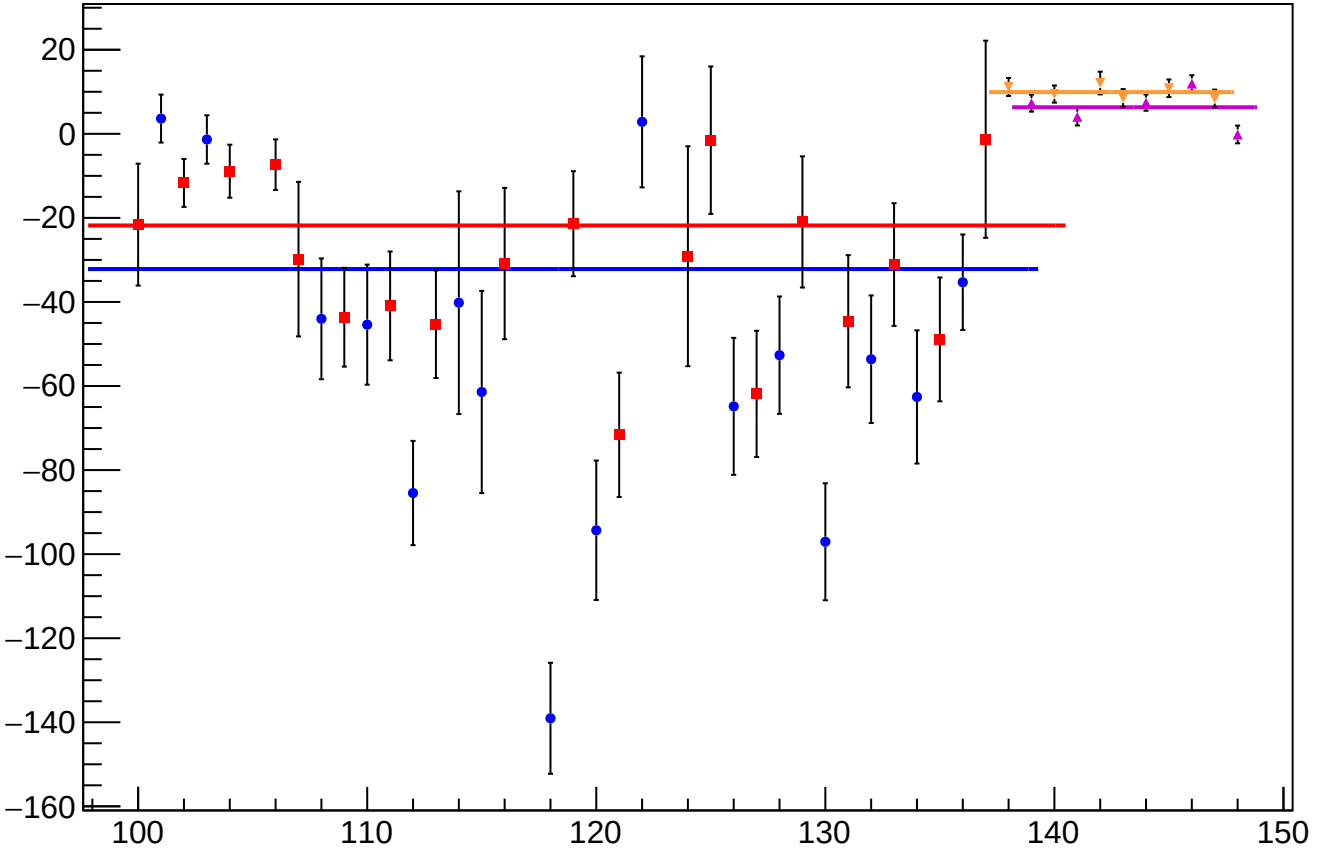
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2959.733+/-1.193 χ^2/NDF:11982764.9/20

Out: 3171.793+/-1.275 χ^2/NDF:14190597.7/24

All: 3058.758+/-0.871 χ^2/NDF: 26188114.4/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 9.932+/-0.888 χ^2/NDF:2.2/5

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 6.326+/-0.902 χ^2/NDF:19.4/4

Left: 8.157+/-0.633 χ^2/NDF: 29.7/10

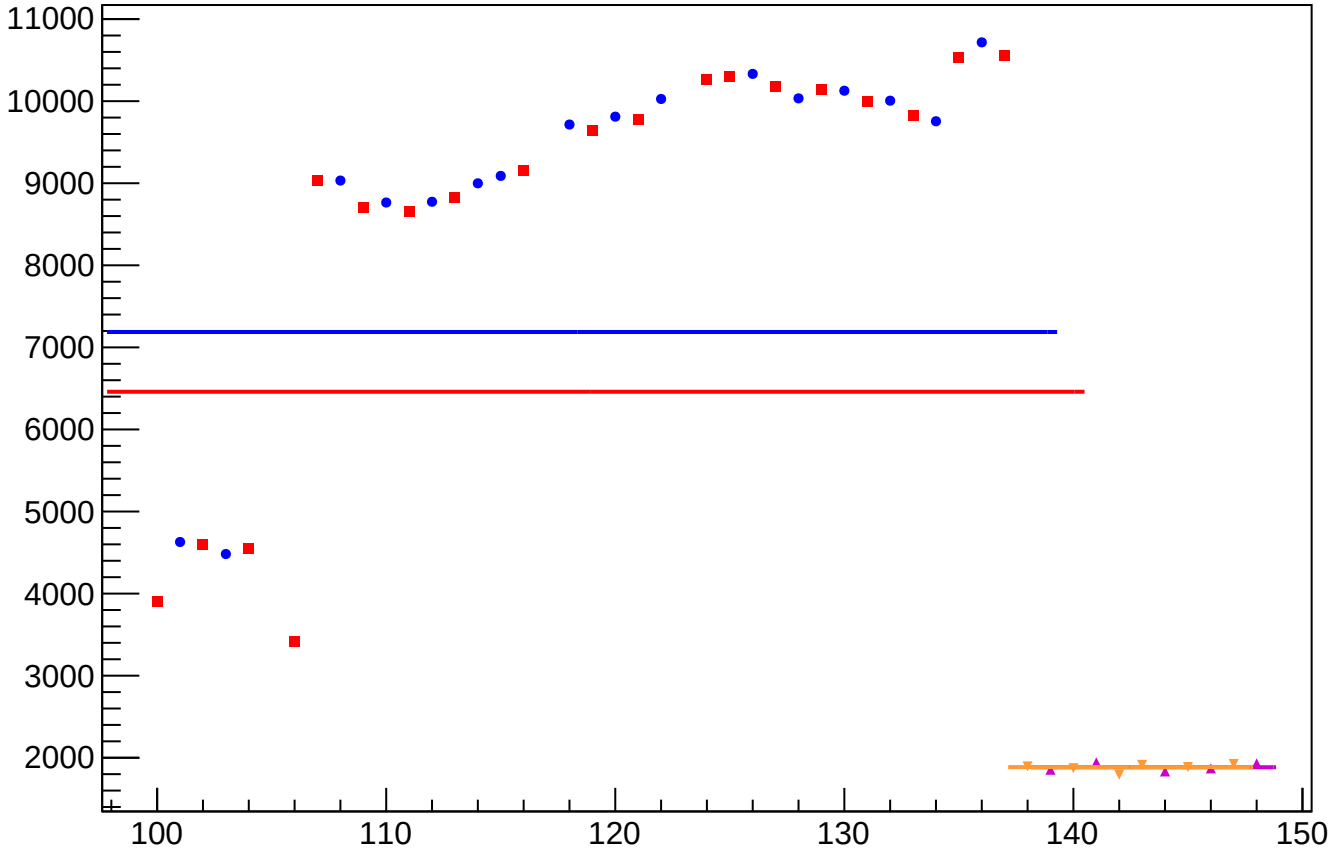
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.804+/-0.860 χ^2/NDF:393.9/20

Out: 6.518+/-0.839 χ^2/NDF:188.7/24

All: 4.706+/-0.600 χ^2/NDF: 592.1/45

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1886.229+/-0.628 χ^2/NDF:3364.1/5

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1884.303+/-0.638 χ^2/NDF:4562.9/4

Left: 1885.281+/-0.447 χ^2/NDF: 7931.7/10

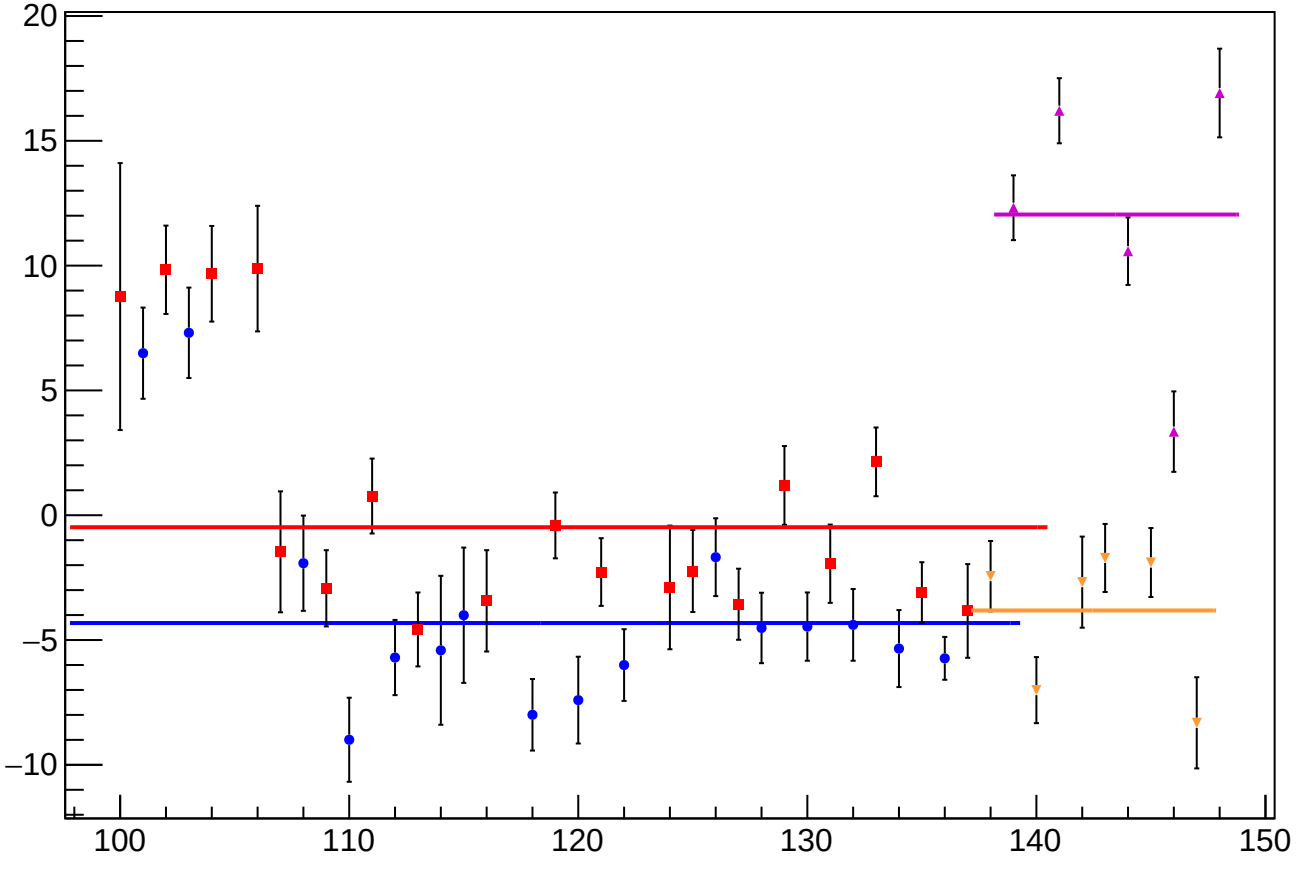
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2369.484+/-0.608 χ^2/NDF:8038218.6/20

Out: 2378.202+/-0.593 χ^2/NDF:7987215.3/24

All: 2373.949+/-0.424 χ^2/NDF: 16025539.3/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.815+/-0.605 χ^2/NDF:17.5/5

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 12.046+/-0.642 χ^2/NDF:48.0/4

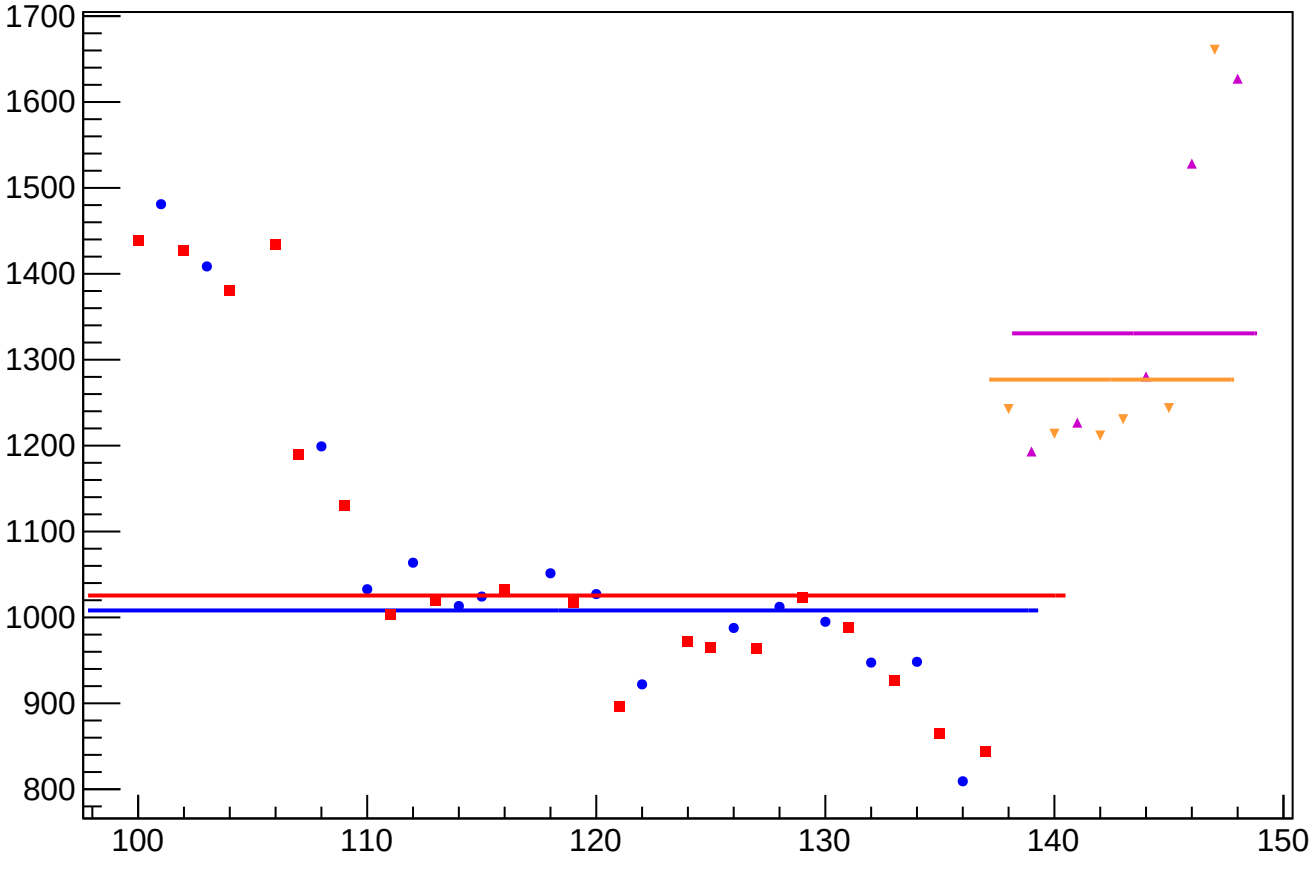
Left: 3.645+/-0.440 χ^2/NDF: 389.4/10

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -0.073+/-0.327 χ^2/NDF:633.6/20

Out: -1.421+/-0.321 χ^2/NDF:156.6/24

All: -0.759+/-0.229 χ^2/NDF: 798.9/45



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1276.855+/-0.427 χ^2/NDF:100071.2/5

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1330.676+/-0.454 χ^2/NDF:123717.8/4

Left: 1302.168+/-0.311 χ^2/NDF: 231245.5/10

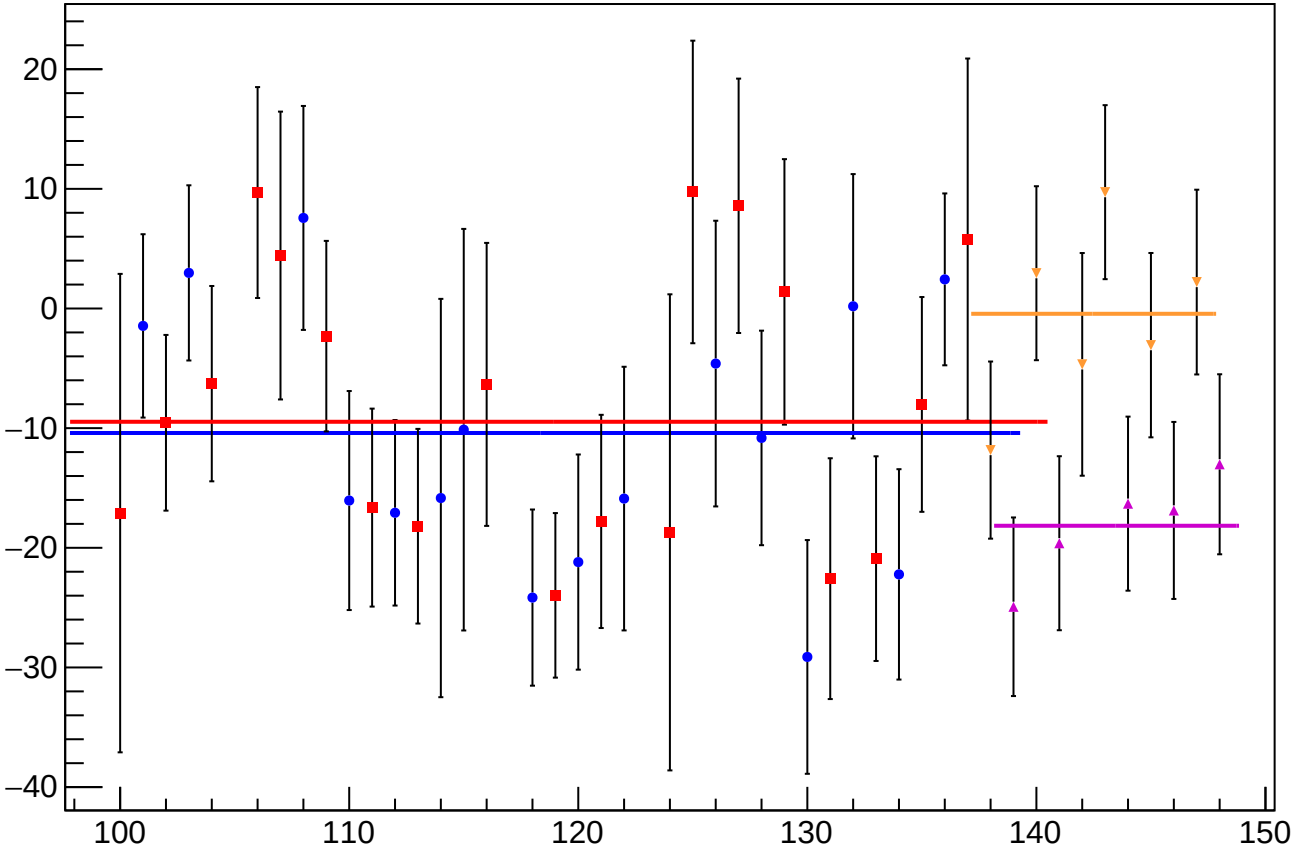
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1091.814+/-0.231 χ^2/NDF:876990.7/20

Out: 1096.321+/-0.227 χ^2/NDF:694430.5/24

All: 1094.108+/-0.162 χ^2/NDF: 1571614.8/45

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.442+/-3.143 χ^2/NDF:5.0/5

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -18.158+/-3.302 χ^2/NDF:1.4/4

Left: -8.862+/-2.276 χ^2/NDF: 21.5/10

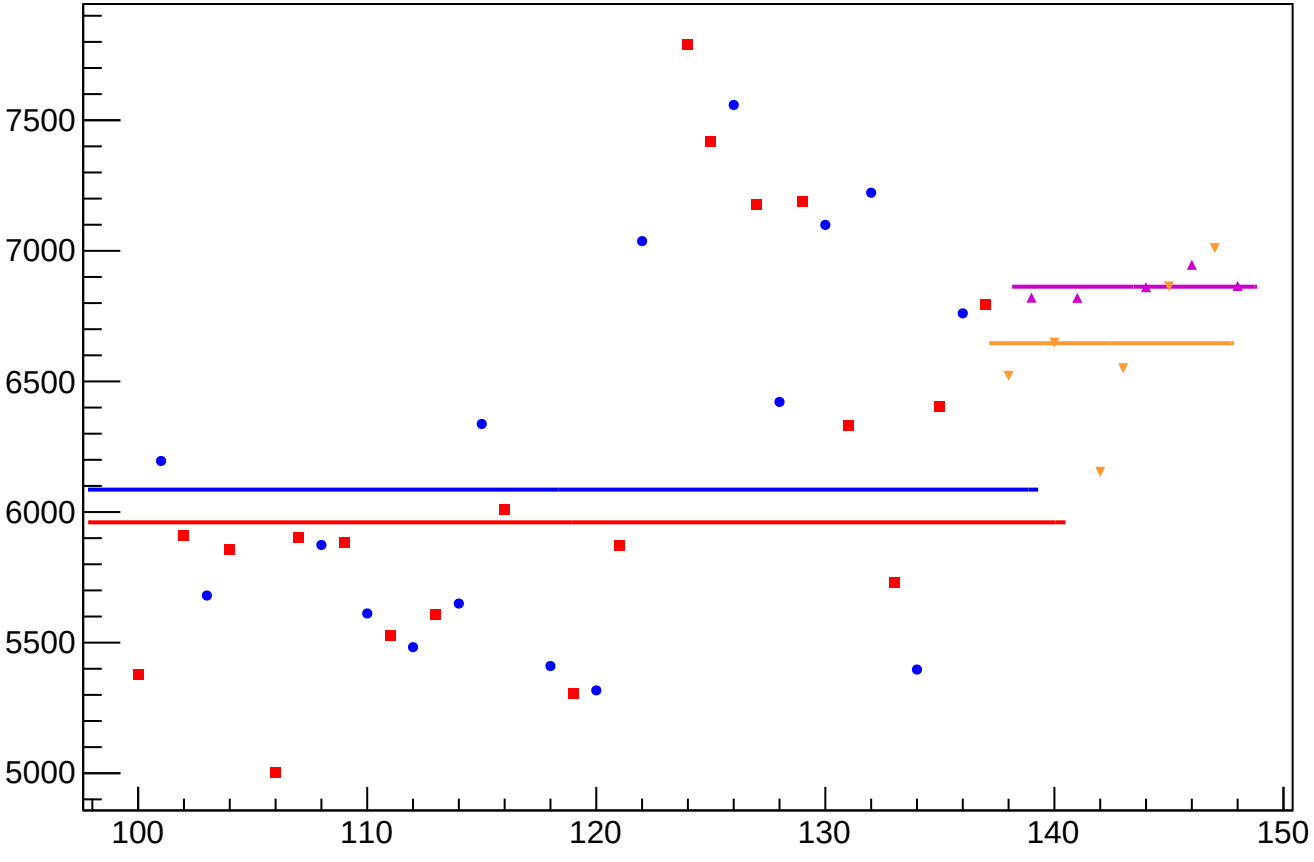
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.907+/-1.876 χ^2/NDF:29.8/20

Out: -6.515+/-1.797 χ^2/NDF:35.9/24

All: -9.574+/-1.298 χ^2/NDF: 71.7/45

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6646.503+/-2.222 χ^2/NDF:12556.1/5

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6862.723+/-2.335 χ^2/NDF:389.5/4

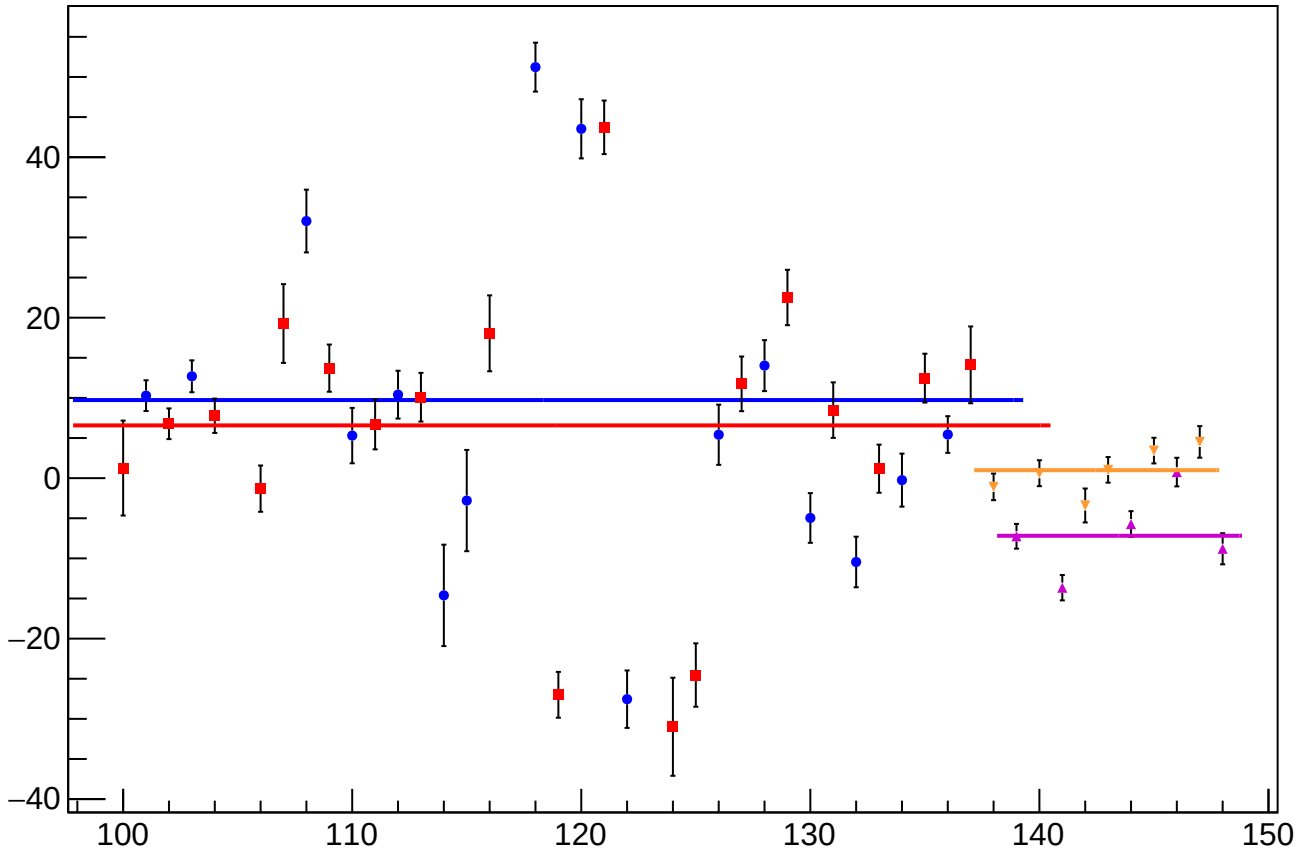
Left: 6749.268+/-1.610 χ^2/NDF: 17445.4/10

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6336.682+/-1.327 χ^2/NDF:254469.2/20

Out: 6184.947+/-1.271 χ^2/NDF:239439.8/24

All: 6257.555+/-0.918 χ^2/NDF: 500730.6/45



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 0.991+/-0.705 χ^2/NDF:11.5/5

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.180+/-0.748 χ^2/NDF:38.1/4

Left: -2.855+/-0.513 χ^2/NDF: 112.8/10

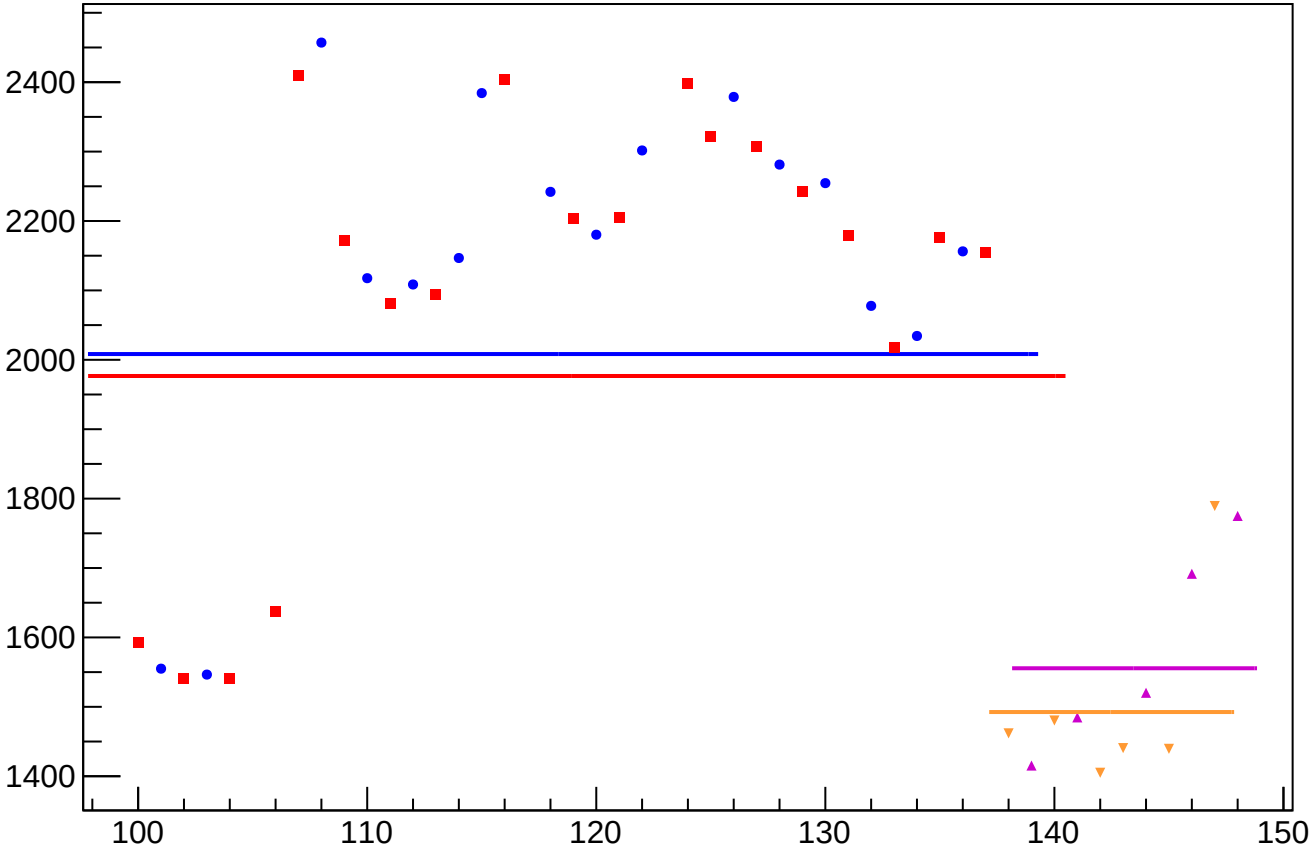
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 1.193+/-0.531 χ^2/NDF:803.9/20

Out: 3.685+/-0.507 χ^2/NDF:465.5/24

All: 2.496+/-0.367 χ^2/NDF: 1281.0/45

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1492.501+/-0.498 χ^2/NDF:53986.6/5

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1555.566+/-0.529 χ^2/NDF:58863.5/4

Left: 1522.186+/-0.363 χ^2/NDF: 120385.0/10

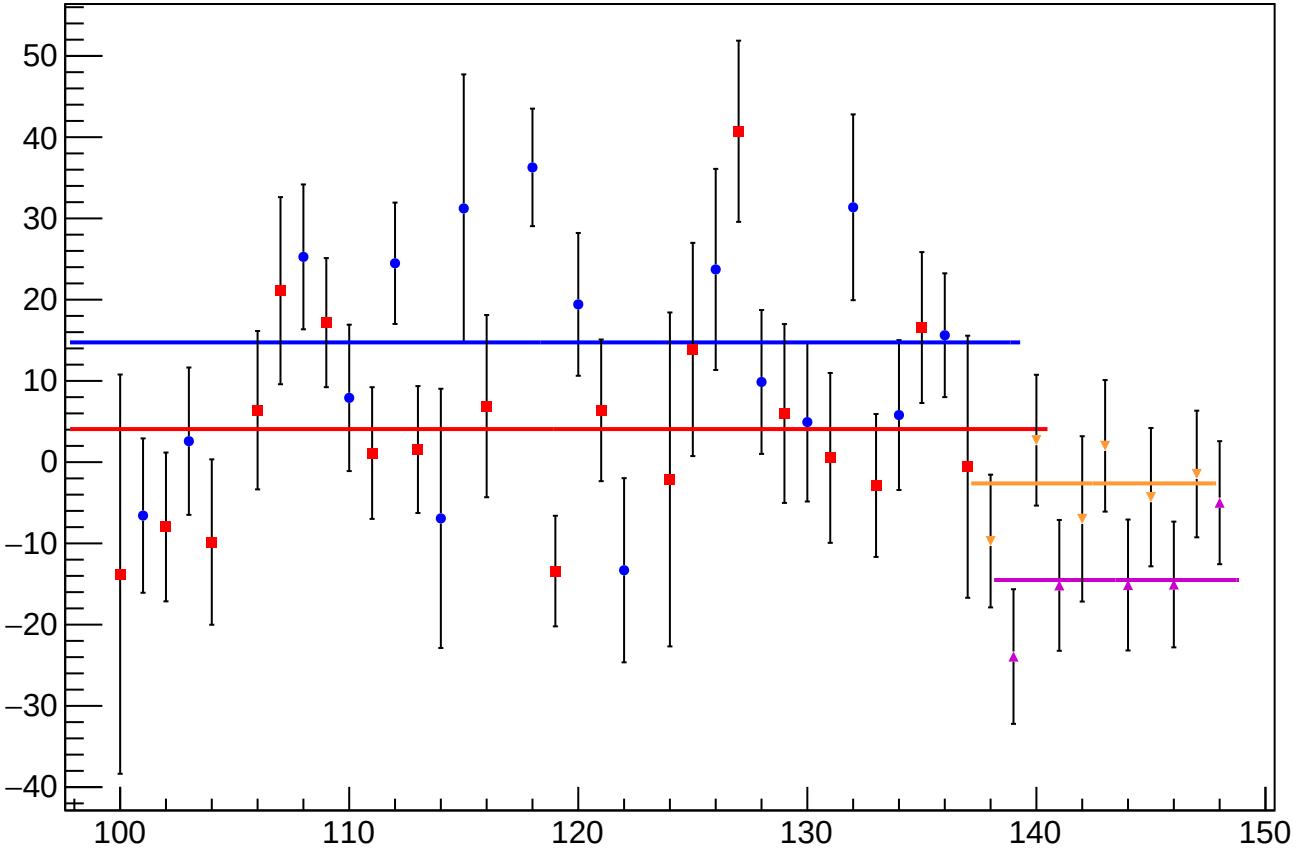
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1779.698+/-0.376 χ^2/NDF:766441.3/20

Out: 1726.019+/-0.359 χ^2/NDF:874430.1/24

All: 1751.620+/-0.259 χ^2/NDF: 1651555.2/45

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.617+/-3.418 χ^2/NDF:1.8/5

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -14.507+/-3.546 χ^2/NDF:2.9/4

Left: -8.345+/-2.461 χ^2/NDF: 10.5/10

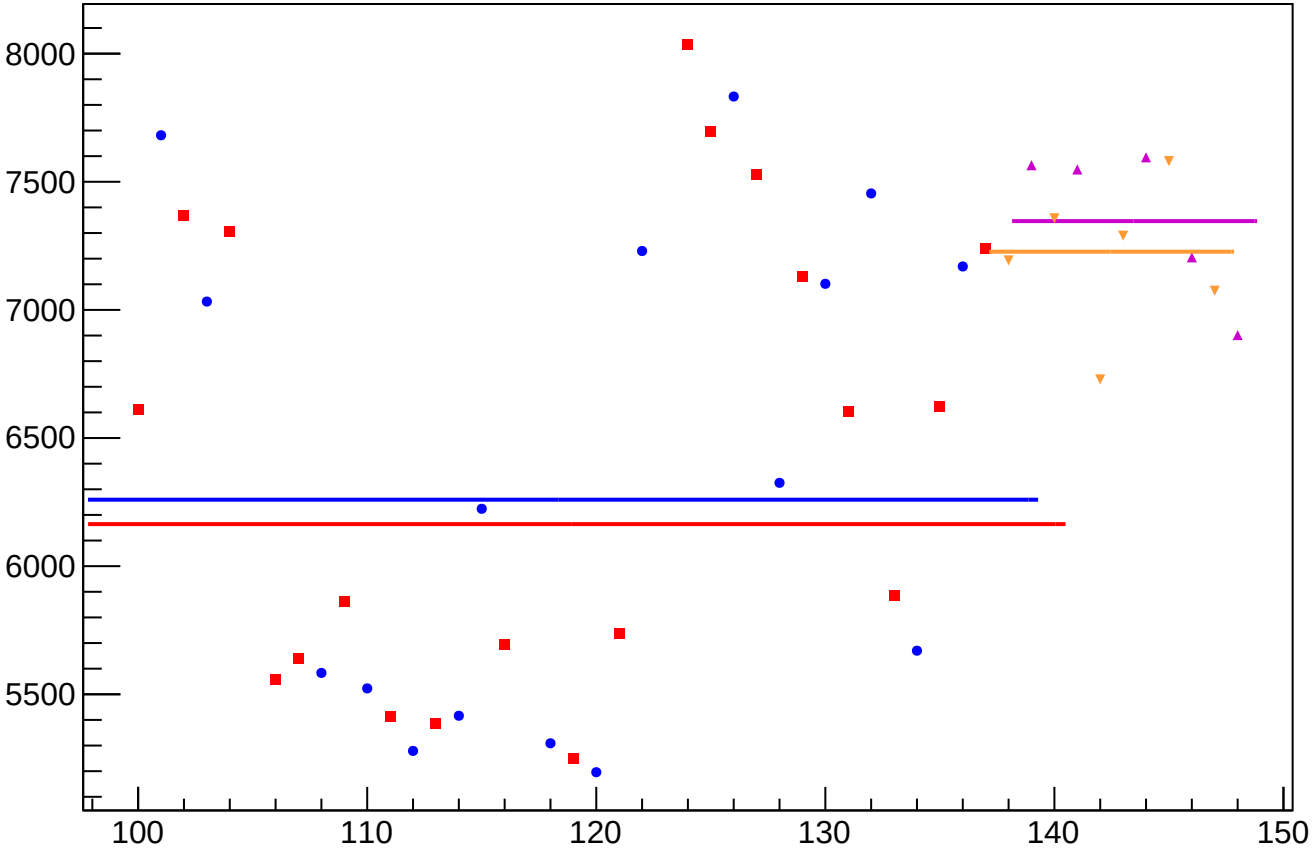
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 5.774+/-1.963 χ^2/NDF:83.6/20

Out: 2.020+/-1.893 χ^2/NDF:34.6/24

All: 3.829+/-1.363 χ^2/NDF: 120.1/45

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7227.223+/-2.417 χ^2/NDF:9683.9/5

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7346.551+/-2.507 χ^2/NDF:12115.2/4

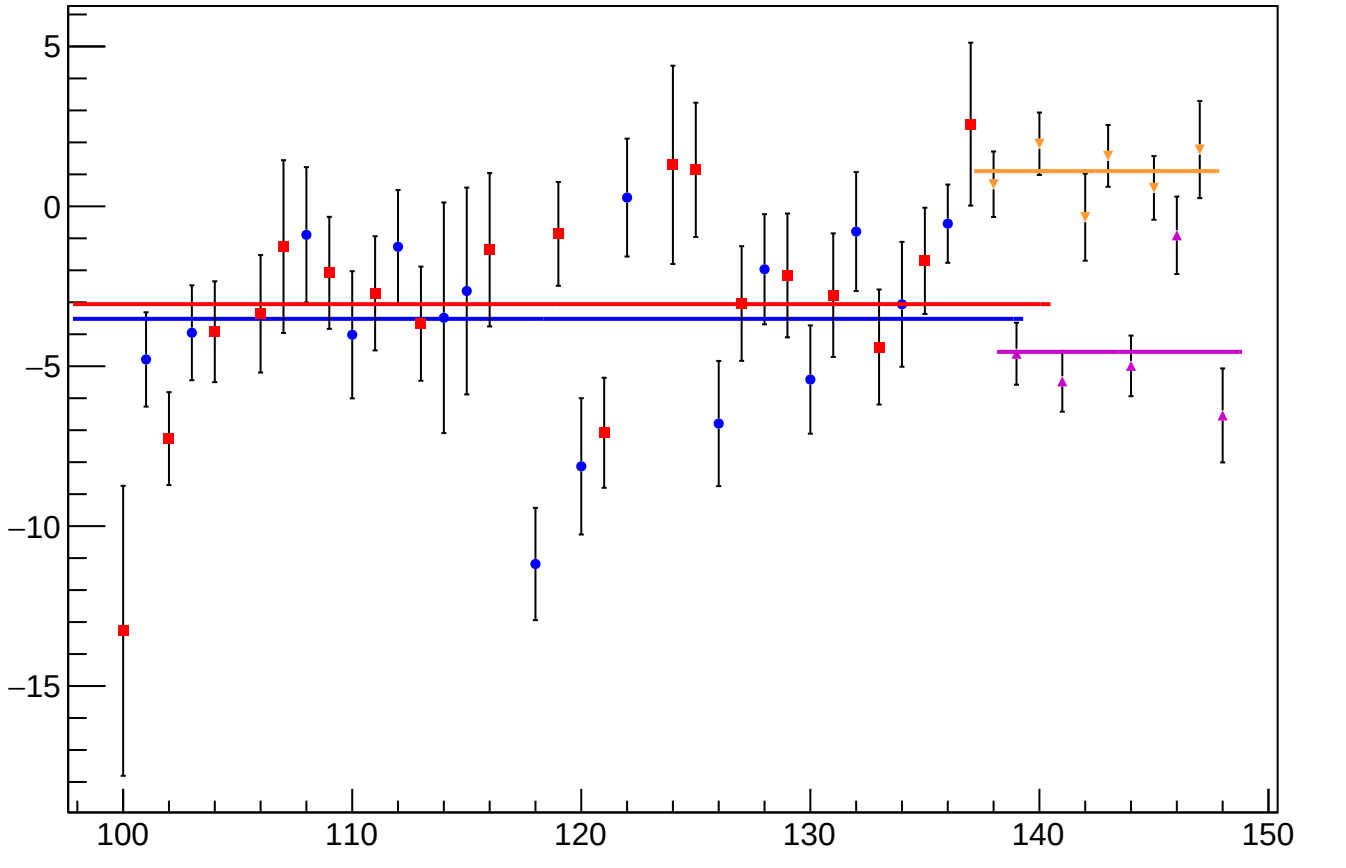
Left: 7284.704+/-1.740 χ^2/NDF: 22973.0/10

Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6592.676+/-1.388 χ^2/NDF:451082.6/20

Out: 6490.204+/-1.339 χ^2/NDF:408838.0/24

All: 6539.579+/-0.964 χ^2/NDF: 862743.8/45



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.102+/-0.445 χ^2/NDF:2.8/5

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.551+/-0.475 χ^2/NDF:12.0/4

Left: -1.537+/-0.325 χ^2/NDF: 90.2/10

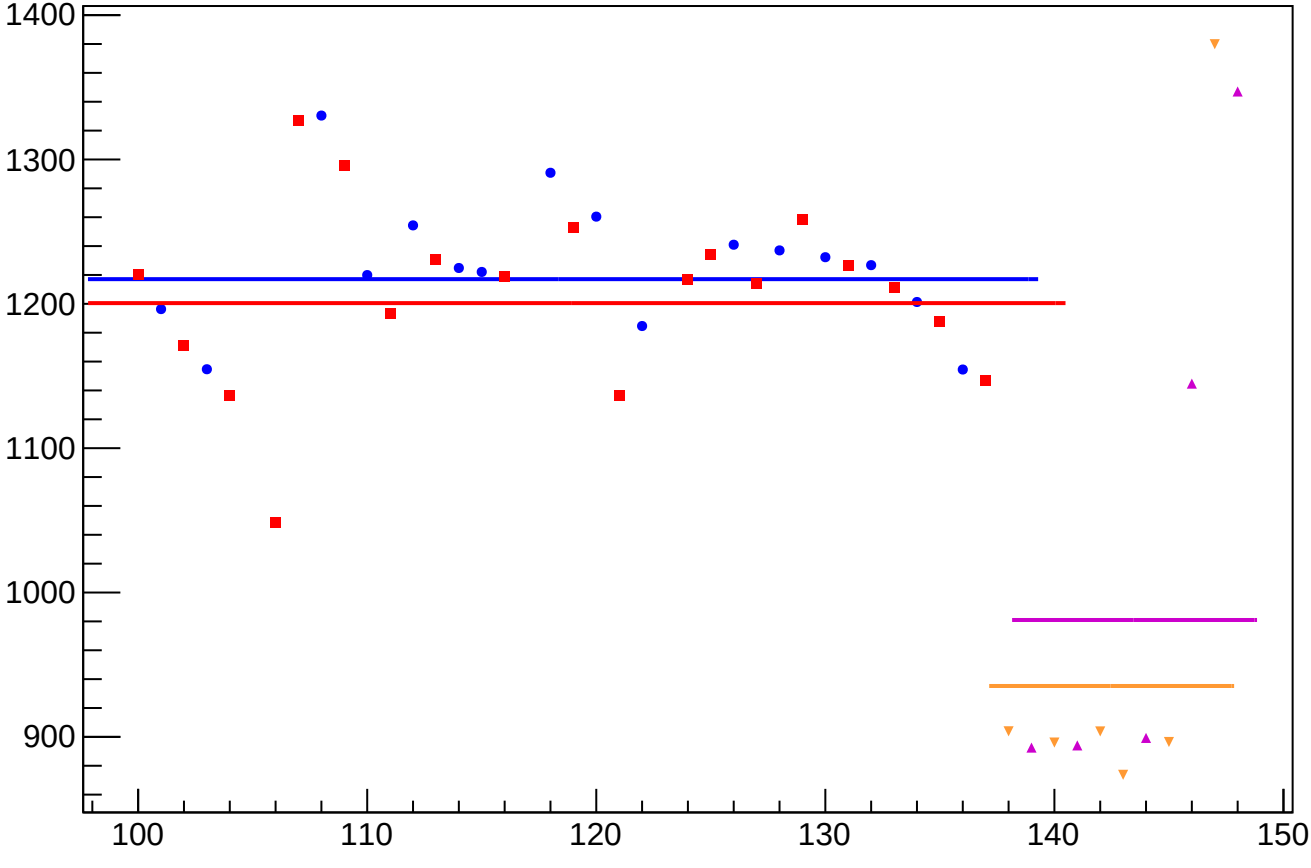
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.009+/-0.328 χ^2/NDF:59.6/20

Out: -1.009+/-0.312 χ^2/NDF:82.0/24

All: -2.436+/-0.226 χ^2/NDF: 185.5/45

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 935.257+/-0.315 χ^2/NDF:188881.7/5

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 980.977+/-0.336 χ^2/NDF:208721.8/4

Left: 956.604+/-0.230 χ^2/NDF: 407468.6/10

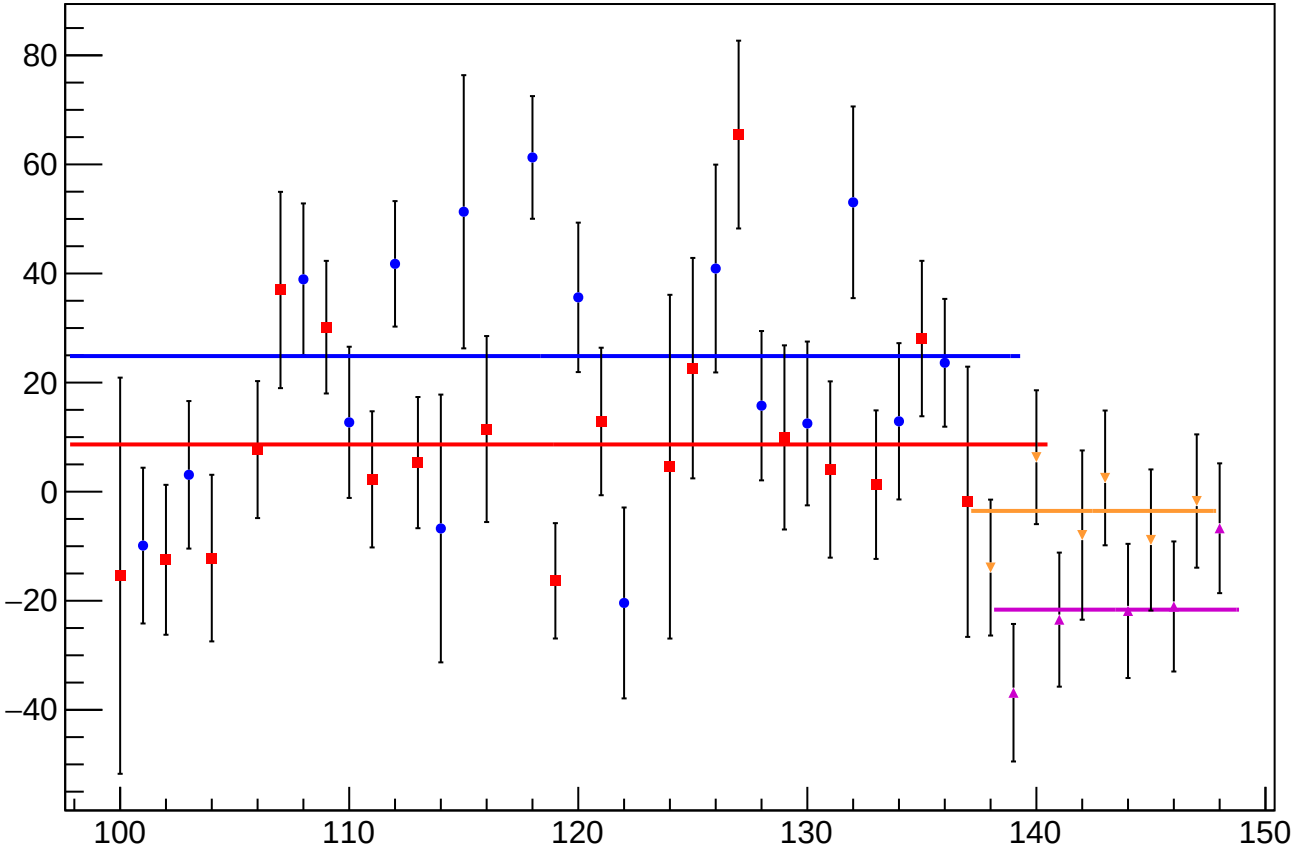
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1104.856+/-0.232 χ^2/NDF:489369.5/20

Out: 1069.822+/-0.221 χ^2/NDF:587307.7/24

All: 1086.492+/-0.160 χ^2/NDF: 1088659.2/45

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.528+/-5.237 χ^2/NDF:1.9/5

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -21.630+/-5.454 χ^2/NDF:3.1/4

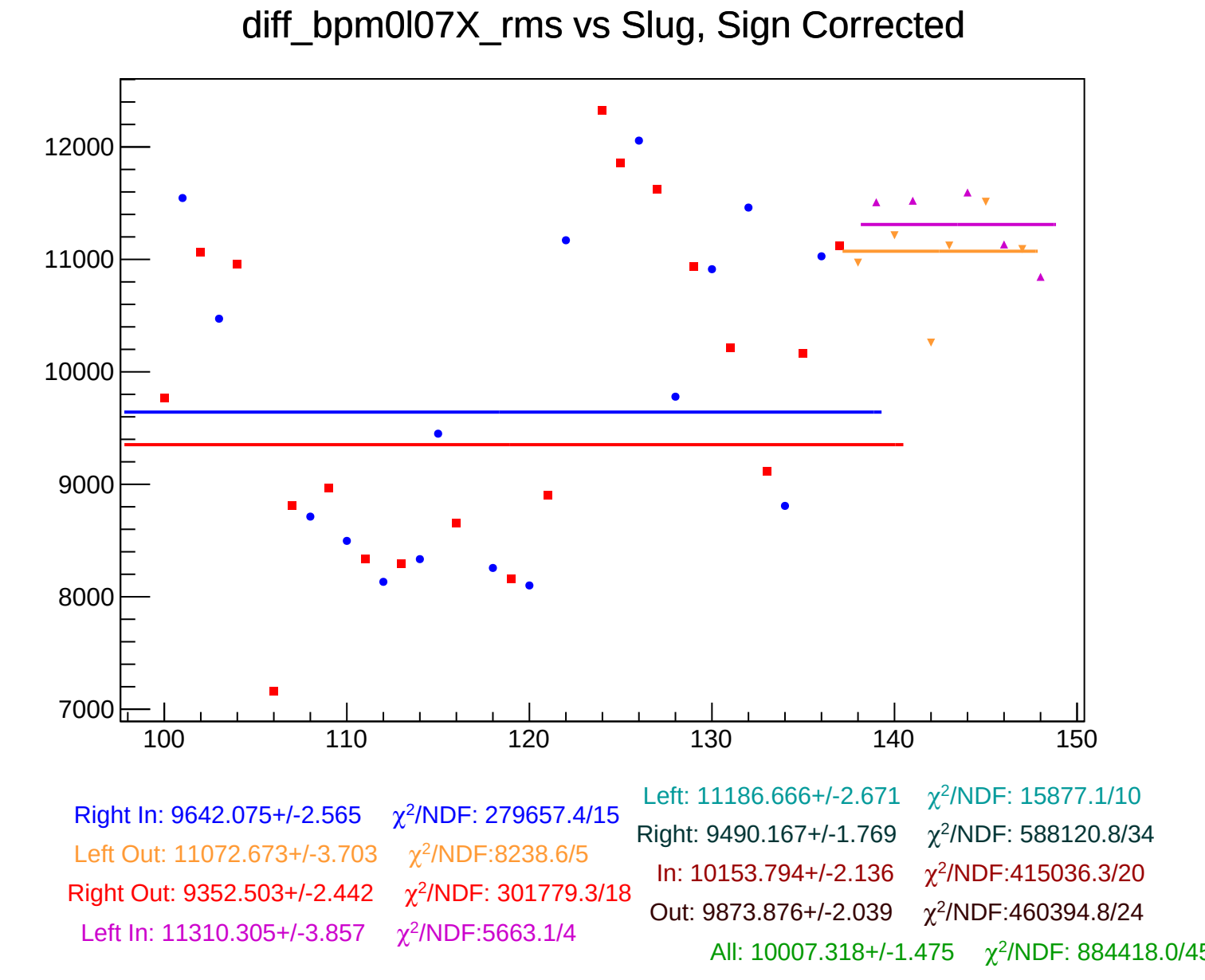
Left: -12.212+/-3.778 χ^2/NDF: 10.6/10

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

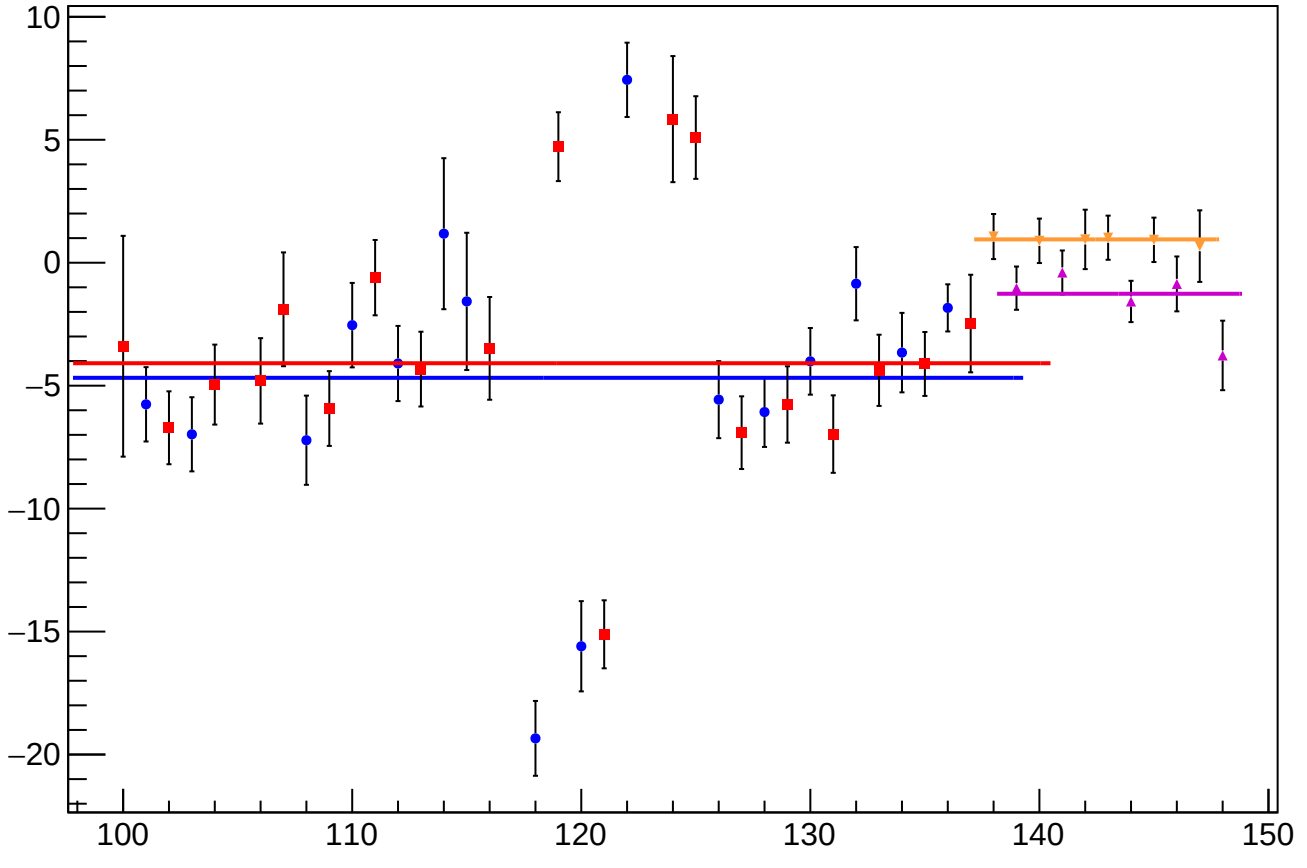
In: 10.600+/-3.021 χ^2/NDF:91.6/20

Out: 4.965+/-2.883 χ^2/NDF:35.8/24

All: 7.651+/-2.086 χ^2/NDF: 129.2/45


diff_bpm0l07X_rms vs Slug, Sign Corrected
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 11072.673+/-3.703 χ²/NDF:8238.6/5
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 11310.305+/-3.857 χ²/NDF:5663.1/4
Left: 11186.666+/-2.671 χ²/NDF: 15877.1/10
Right: 9490.167+/-1.769 χ²/NDF: 588120.8/34
In: 10153.794+/-2.136 χ²/NDF:415036.3/20
Out: 9873.876+/-2.039 χ²/NDF:460394.8/24
All: 10007.318+/-1.475 χ²/NDF: 884418.0/45

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.949+/-0.407 χ^2/NDF:0.1/5

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.262+/-0.436 χ^2/NDF:4.4/4

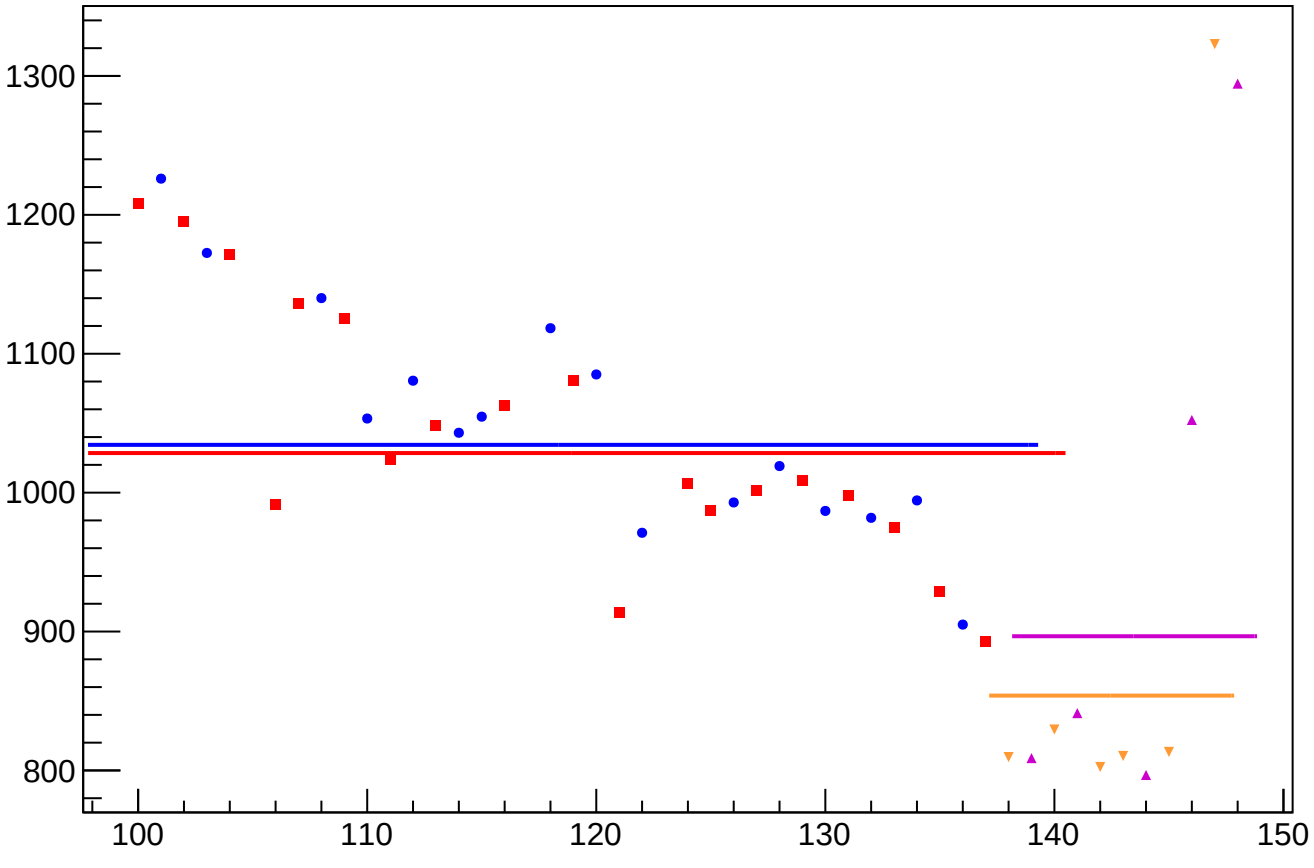
Left: -0.081+/-0.297 χ^2/NDF: 18.2/10

Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.179+/-0.289 χ^2/NDF:260.1/20

Out: -1.765+/-0.276 χ^2/NDF:250.7/24

All: -2.440+/-0.200 χ^2/NDF: 523.3/45



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 853.876+/-0.288 χ^2/NDF:226216.2/5

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 896.613+/-0.308 χ^2/NDF:253330.5/4

Left: 873.779+/-0.210 χ^2/NDF: 489824.1/10

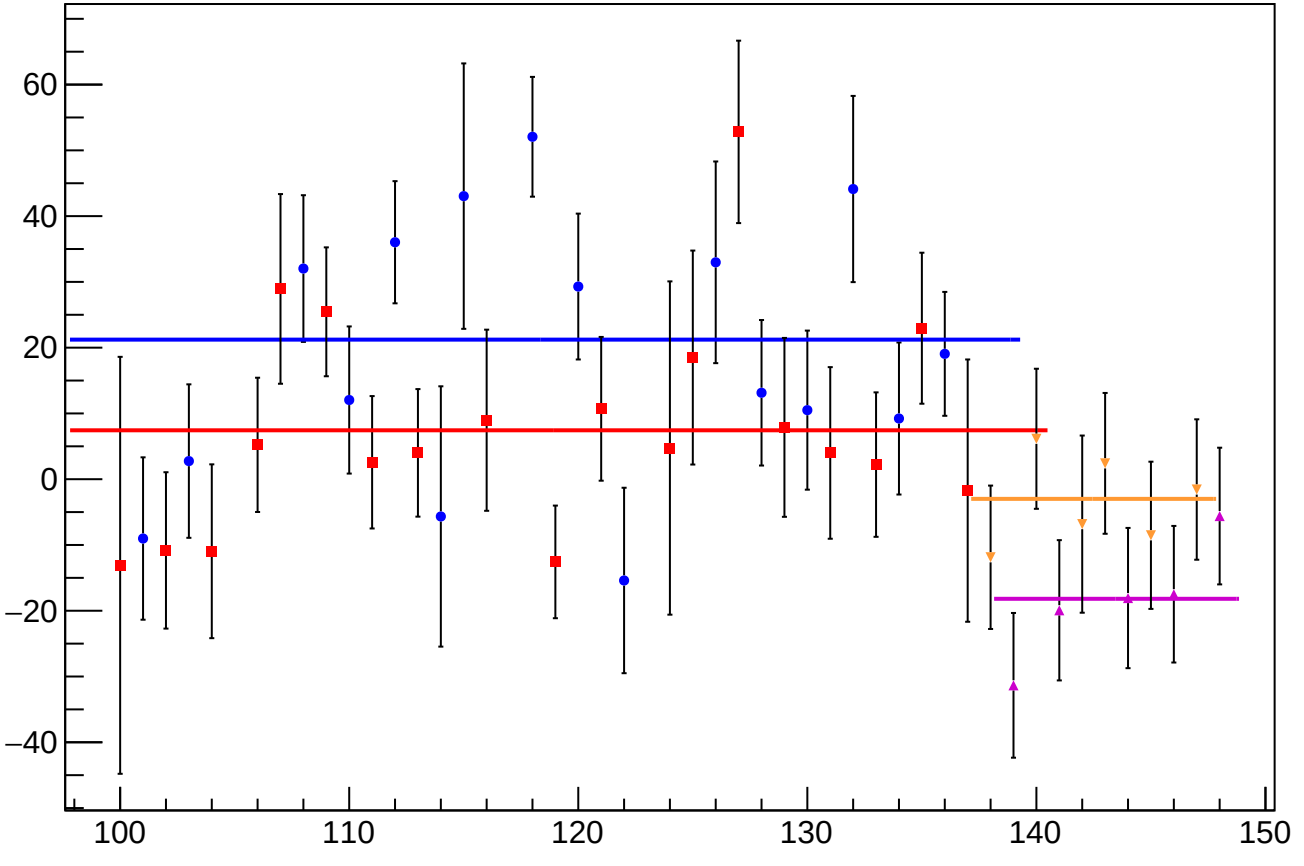
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 973.862+/-0.204 χ^2/NDF:478710.0/20

Out: 947.970+/-0.195 χ^2/NDF:526371.5/24

All: 960.341+/-0.141 χ^2/NDF: 1013473.3/45

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -2.990+/-4.553 χ^2/NDF:2.0/5

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -18.185+/-4.747 χ^2/NDF:2.9/4

Left: -10.272+/-3.286 χ^2/NDF: 10.3/10

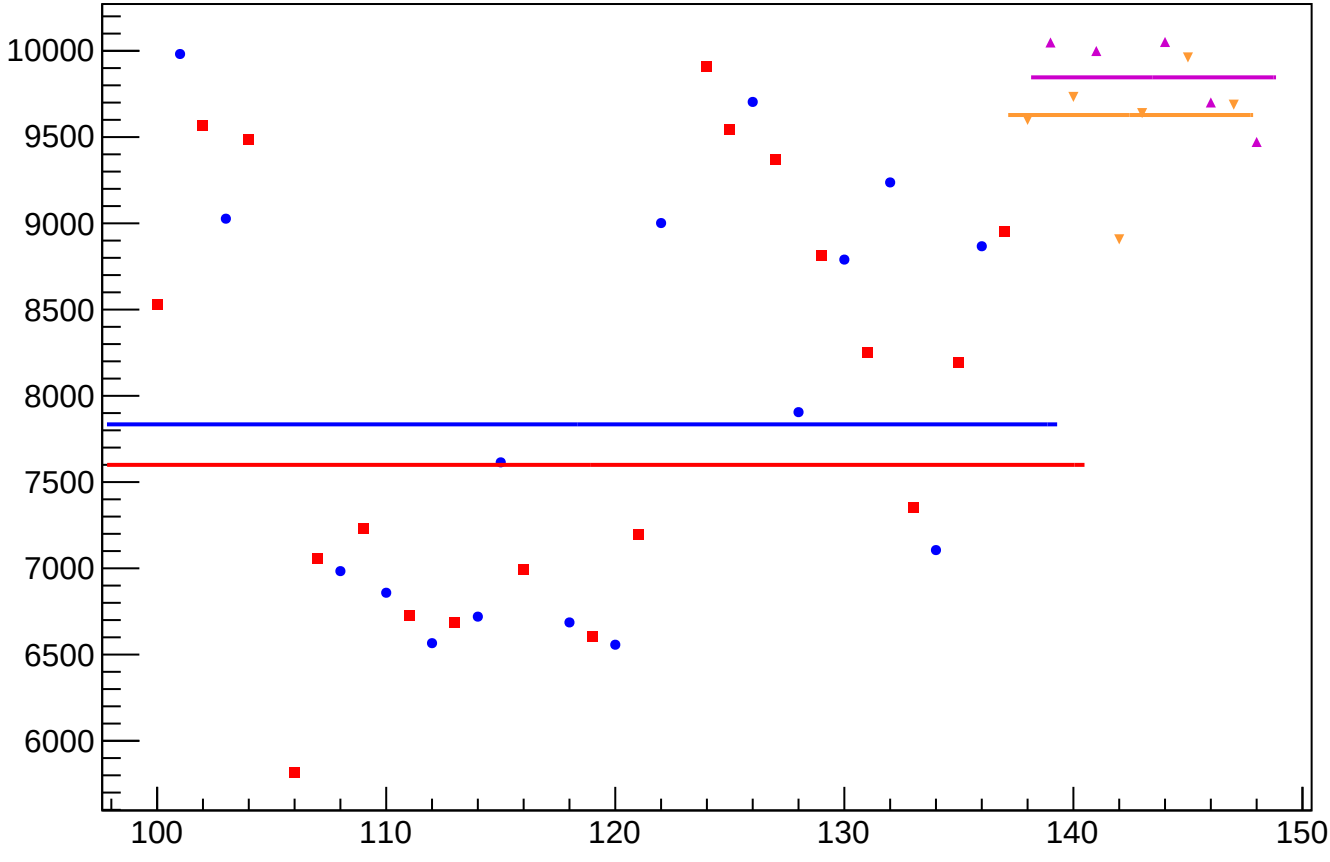
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 10.233+/-2.507 χ^2/NDF:92.7/20

Out: 4.560+/-2.391 χ^2/NDF:35.6/24

All: 7.263+/-1.730 χ^2/NDF: 131.0/45

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9627.983+/-3.220 χ^2/NDF:7777.3/5

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9846.330+/-3.356 χ^2/NDF:4816.4/4

Left: 9732.619+/-2.324 χ^2/NDF: 14797.5/10

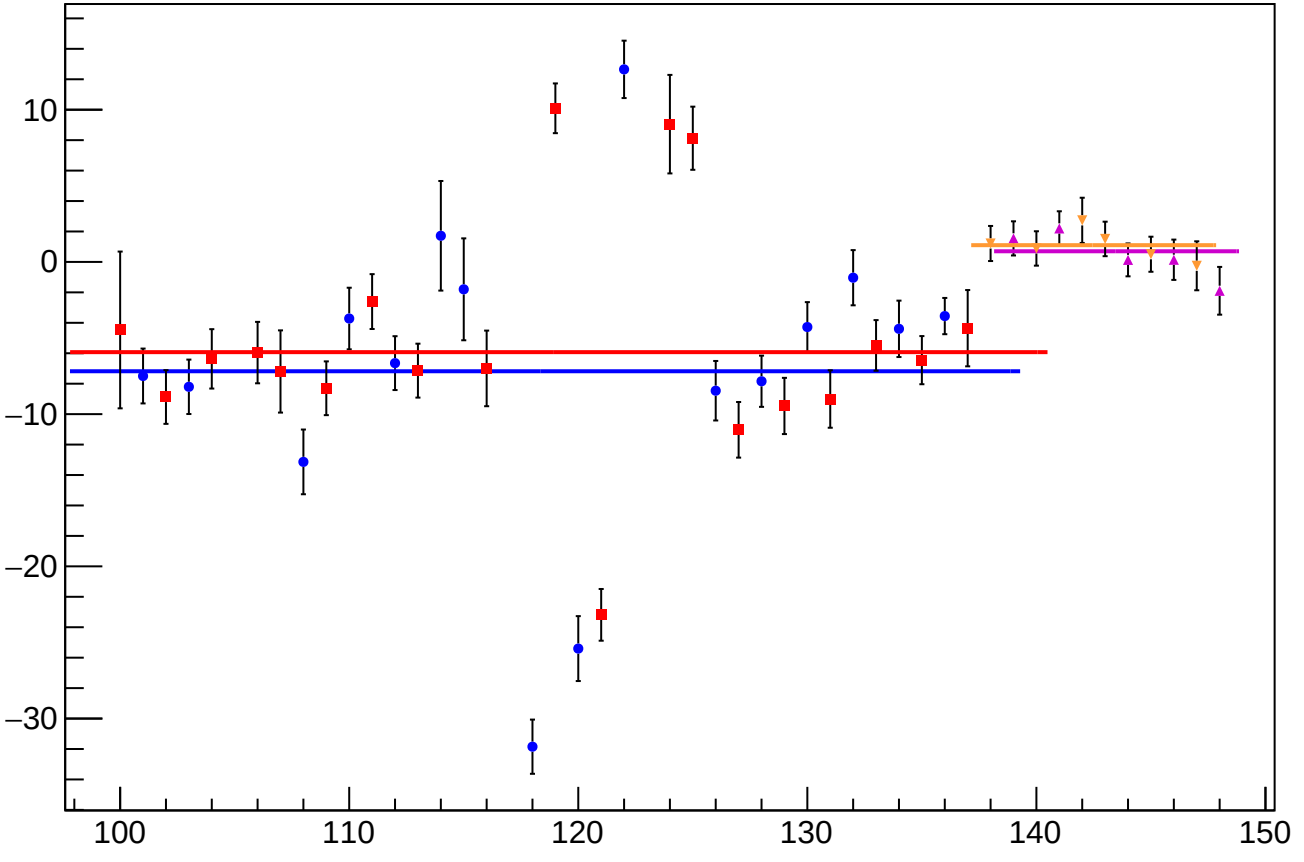
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8395.609+/-1.772 χ^2/NDF:581953.2/20

Out: 8159.220+/-1.691 χ^2/NDF:639429.5/24

All: 8271.860+/-1.224 χ^2/NDF: 1230694.0/45

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.101+/-0.506 χ^2/NDF:2.4/5

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.700+/-0.541 χ^2/NDF:5.5/4

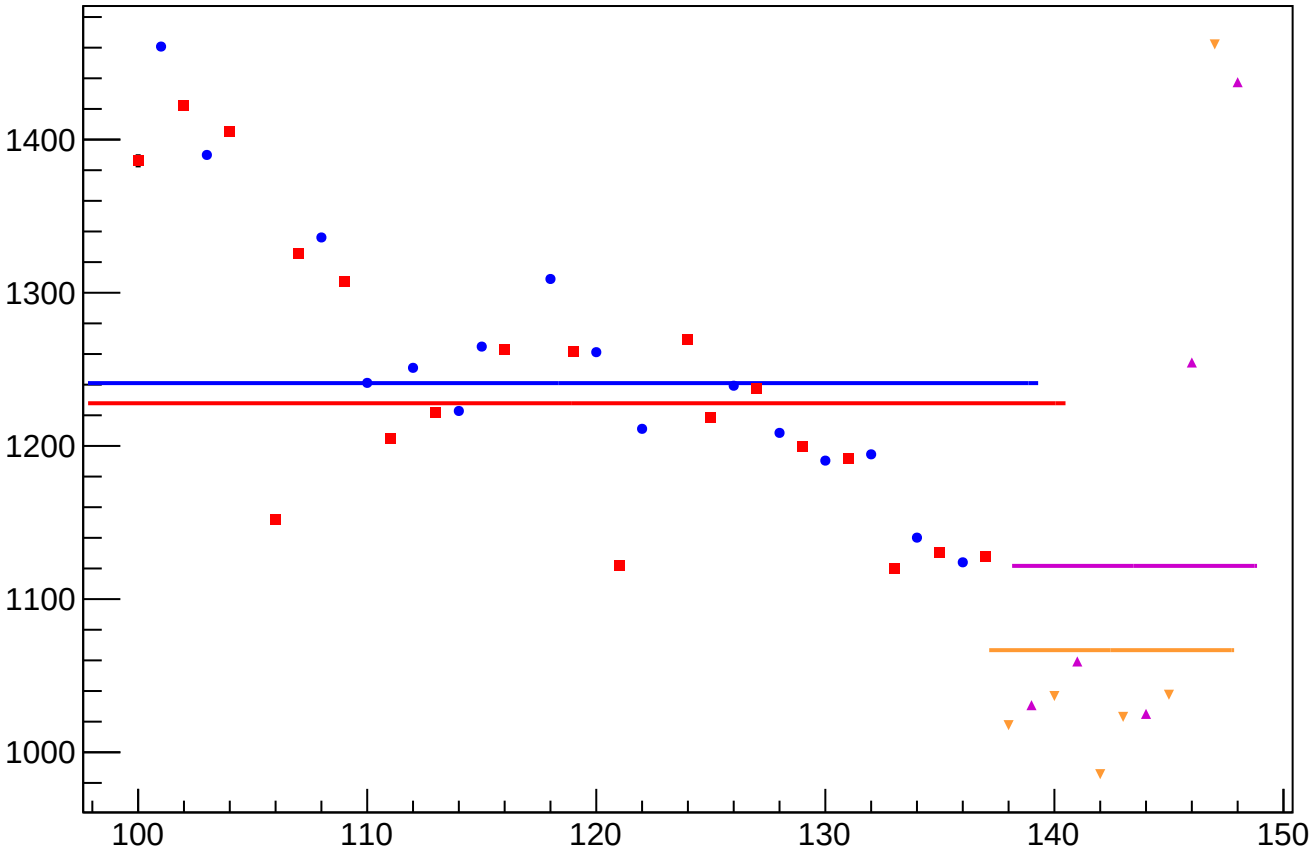
Left: 0.914+/-0.370 χ^2/NDF: 8.2/10

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.857+/-0.352 χ^2/NDF:550.4/20

Out: -2.829+/-0.336 χ^2/NDF:400.7/24

All: -3.319+/-0.243 χ^2/NDF: 955.6/45



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1066.674+/-0.358 χ^2/NDF:136145.6/5

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1121.694+/-0.383 χ^2/NDF:136394.7/4

Left: 1092.327+/-0.261 χ^2/NDF: 283575.4/10

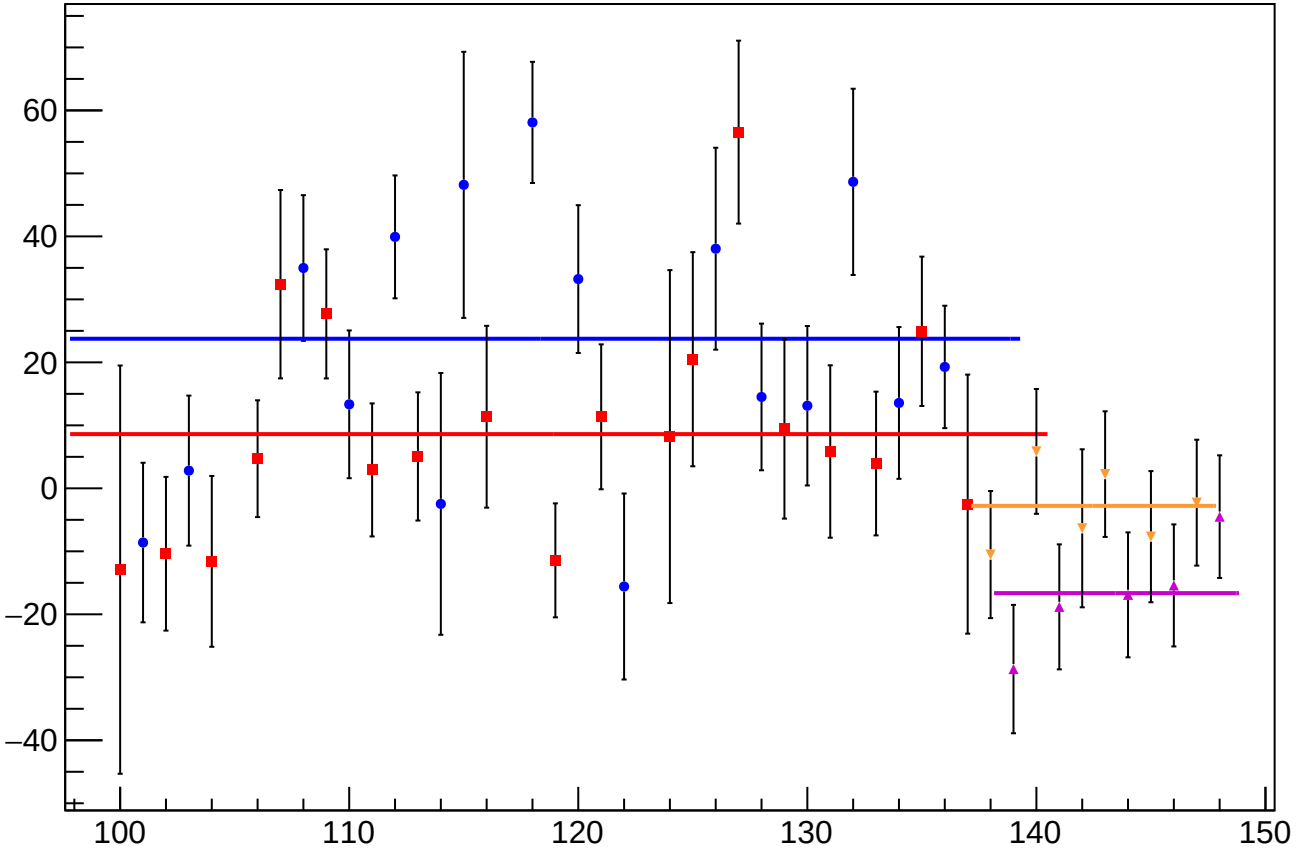
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1190.664+/-0.249 χ^2/NDF:273249.3/20

Out: 1156.792+/-0.237 χ^2/NDF:332054.8/24

All: 1172.956+/-0.172 χ^2/NDF: 615012.8/45

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.782+/-4.239 χ^2/NDF:1.9/5

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -16.634+/-4.422 χ^2/NDF:3.0/4

Left: -9.415+/-3.060 χ^2/NDF: 10.0/10

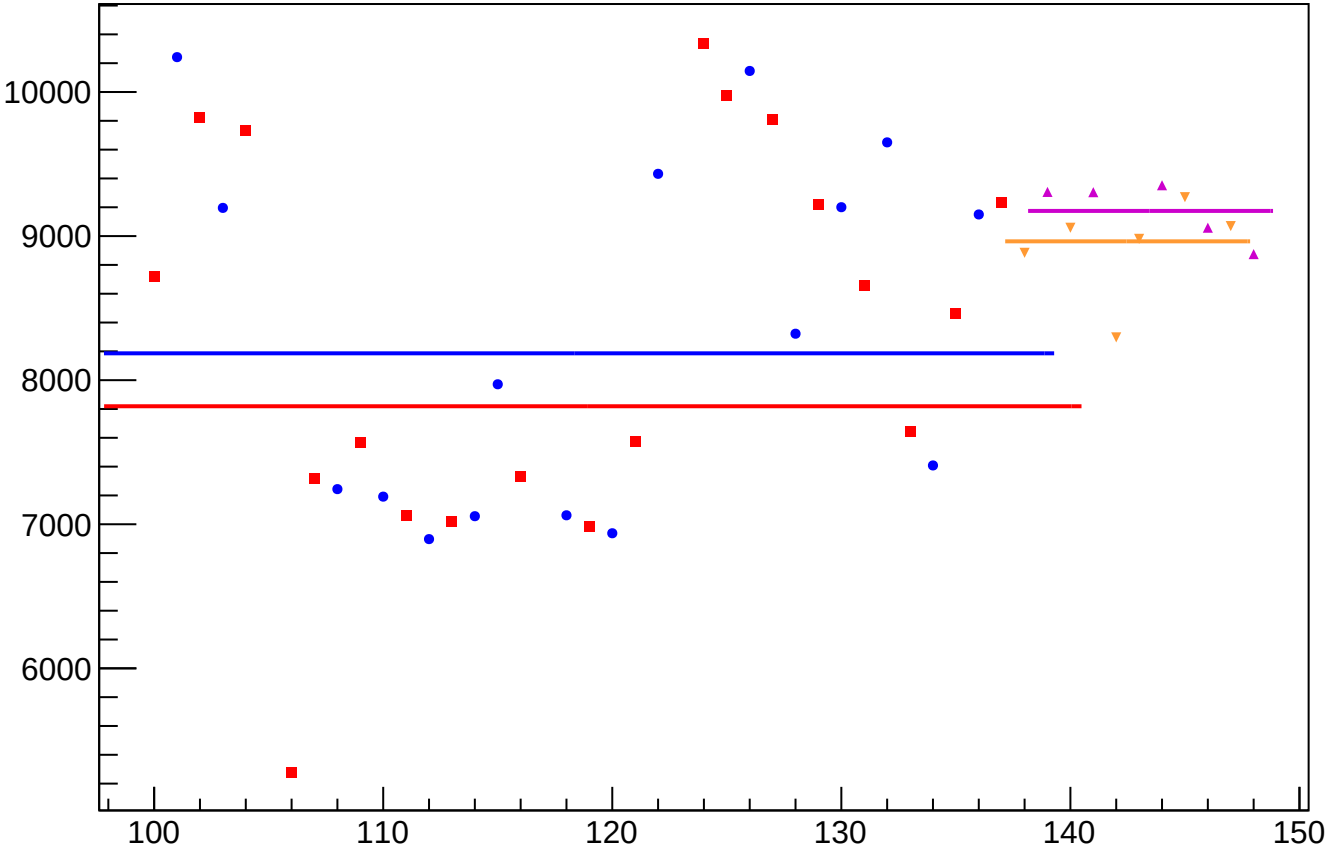
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 10.549+/-2.528 χ^2/NDF:102.6/20

Out: 4.979+/-2.393 χ^2/NDF:37.3/24

All: 7.611+/-1.738 χ^2/NDF: 142.4/45

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8963.572+/-2.997 χ^2/NDF:7914.7/5

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9174.675+/-3.127 χ^2/NDF:3508.6/4

Left: 9064.664+/-2.164 χ^2/NDF: 13798.8/10

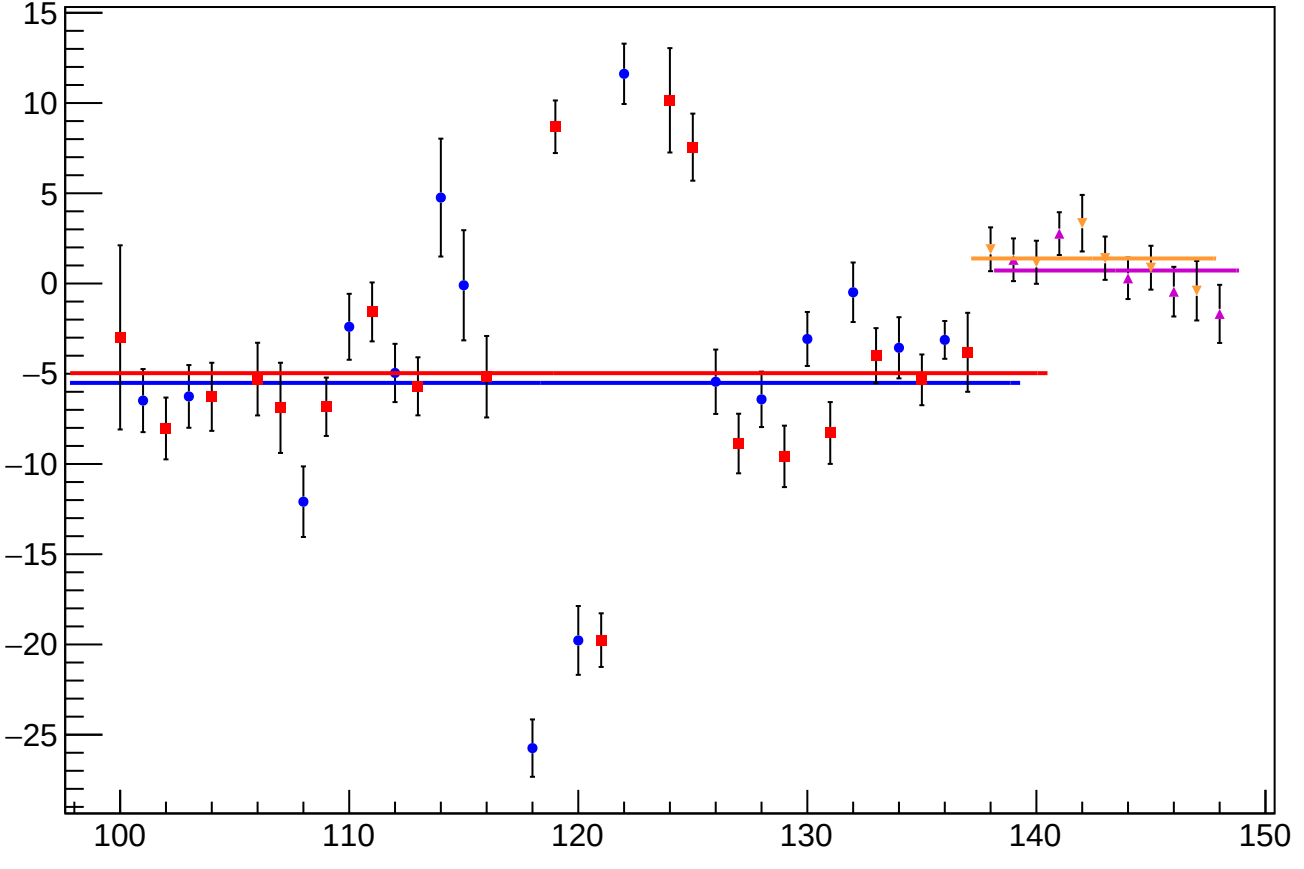
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8509.417+/-1.788 χ^2/NDF:361389.4/20

Out: 8183.730+/-1.692 χ^2/NDF:530270.6/24

All: 8337.631+/-1.229 χ^2/NDF: 909167.4/45

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.387+/-0.532 χ^2/NDF:3.1/5

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.721+/-0.568 χ^2/NDF:6.3/4

Left: 1.076+/-0.388 χ^2/NDF: 10.2/10

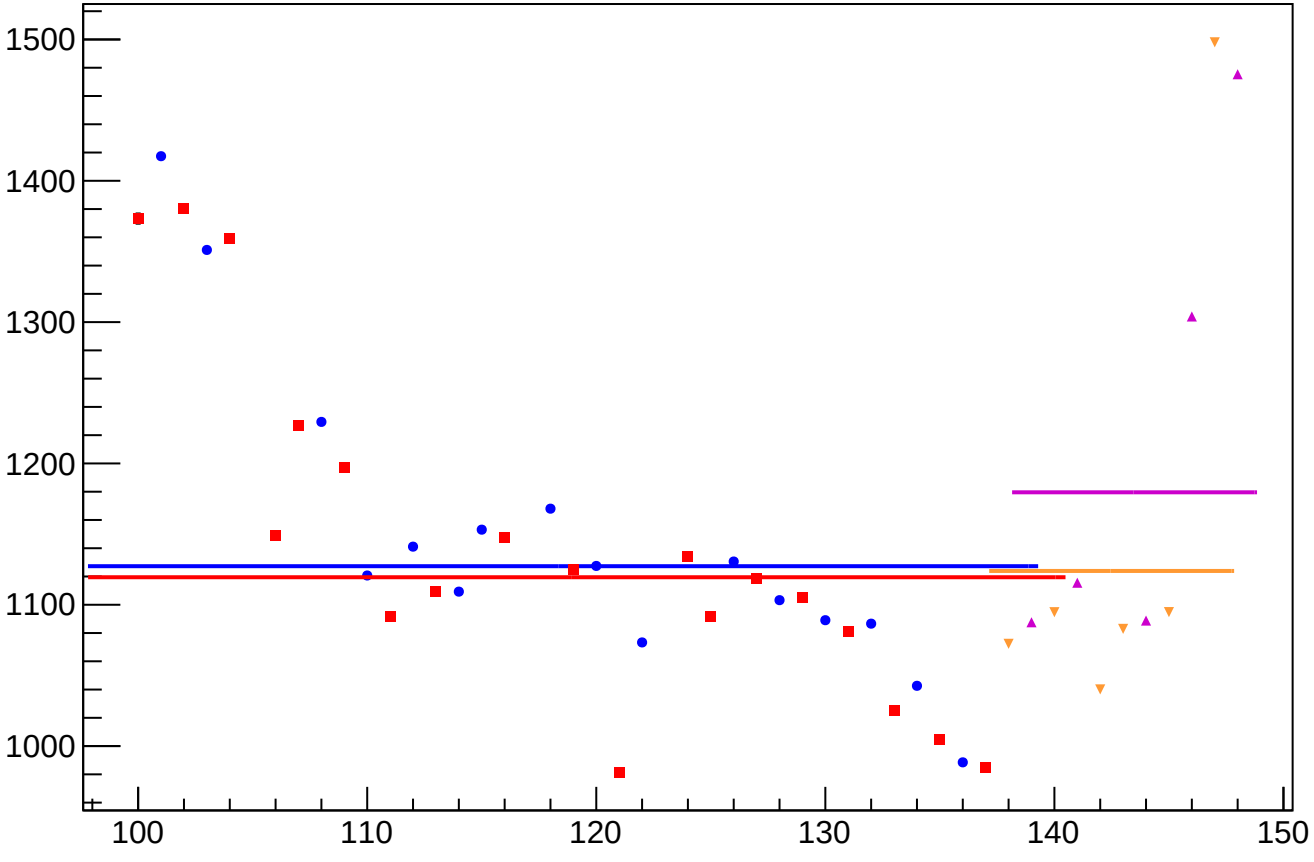
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.300+/-0.338 χ^2/NDF:453.7/20

Out: -2.599+/-0.325 χ^2/NDF:379.8/24

All: -2.936+/-0.234 χ^2/NDF: 835.7/45

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1123.925+/-0.376 χ^2/NDF:117116.0/5

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1179.573+/-0.402 χ^2/NDF:114270.4/4

Left: 1149.935+/-0.275 χ^2/NDF: 241601.4/10

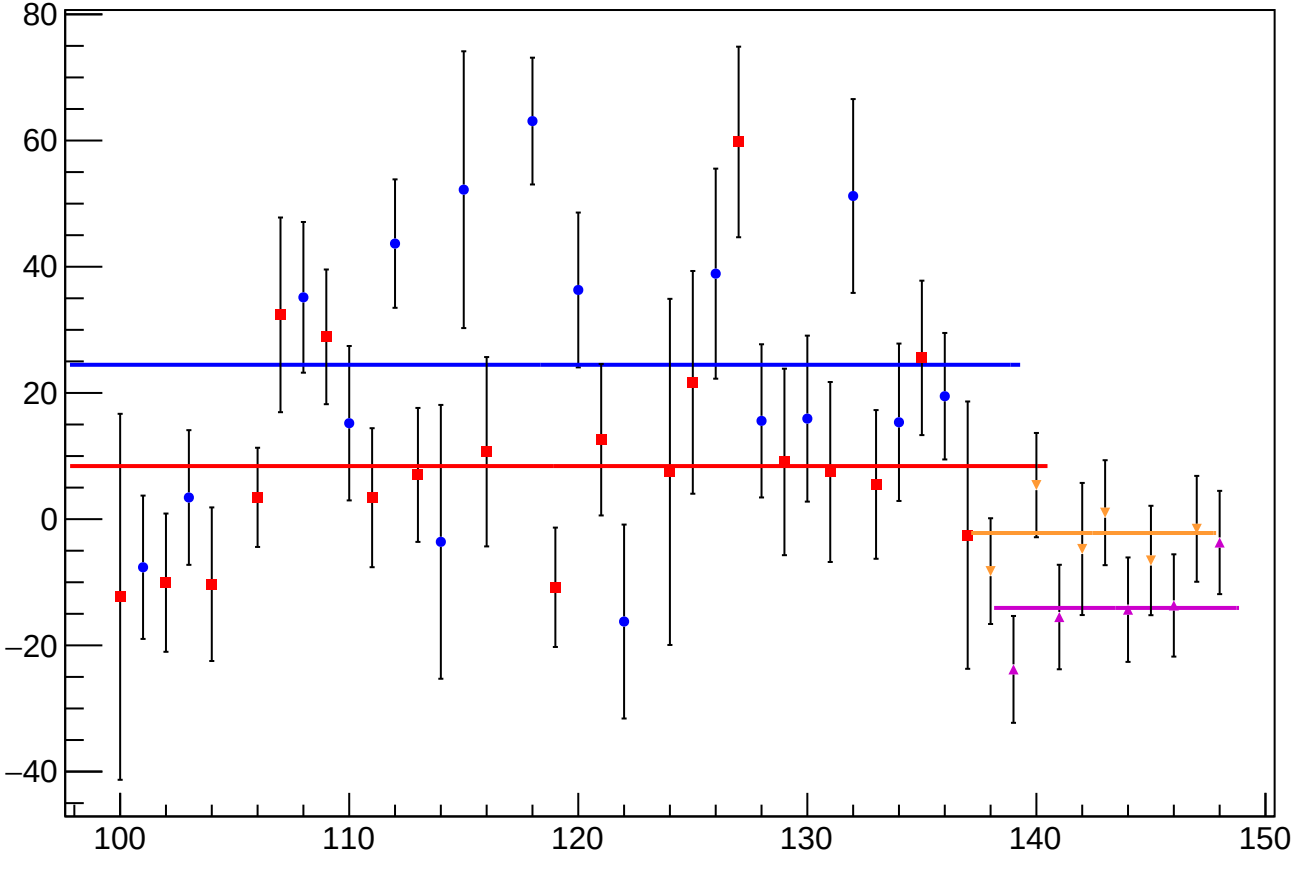
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1145.810+/-0.239 χ^2/NDF:265819.4/20

Out: 1121.132+/-0.230 χ^2/NDF:257939.8/24

All: 1132.980+/-0.166 χ^2/NDF: 529295.3/45

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -2.194+/-3.536 χ^2/NDF:1.8/5

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -14.068+/-3.694 χ^2/NDF:3.0/4

Left: -7.872+/-2.554 χ^2/NDF: 10.2/10

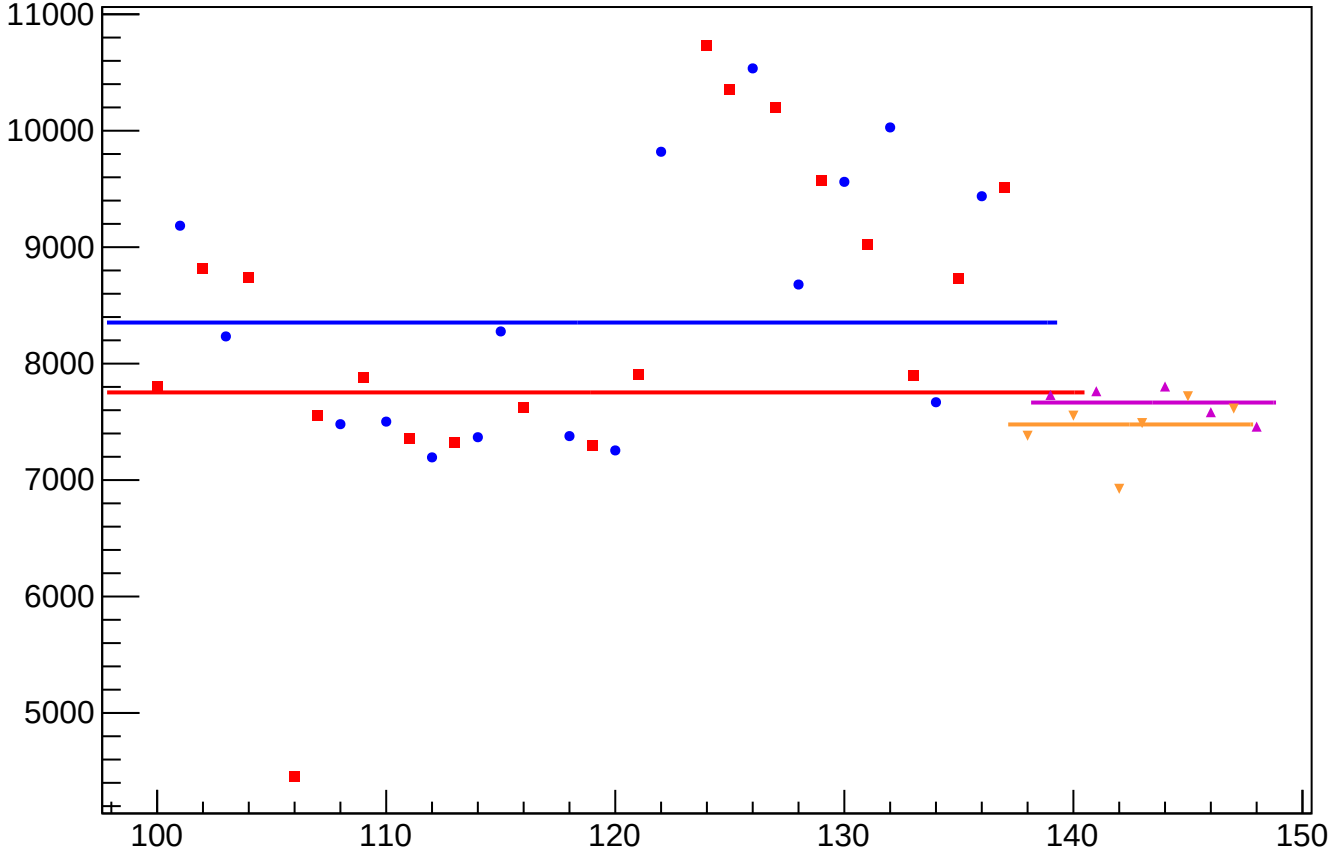
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 8.322+/-2.391 χ^2/NDF:114.5/20

Out: 4.163+/-2.238 χ^2/NDF:38.4/24

All: 6.106+/-1.634 χ^2/NDF: 154.5/45

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7477.665+/-2.500 χ^2/NDF:8098.2/5

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7665.749+/-2.612 χ^2/NDF:2438.7/4

Left: 7567.603+/-1.806 χ^2/NDF: 13242.9/10

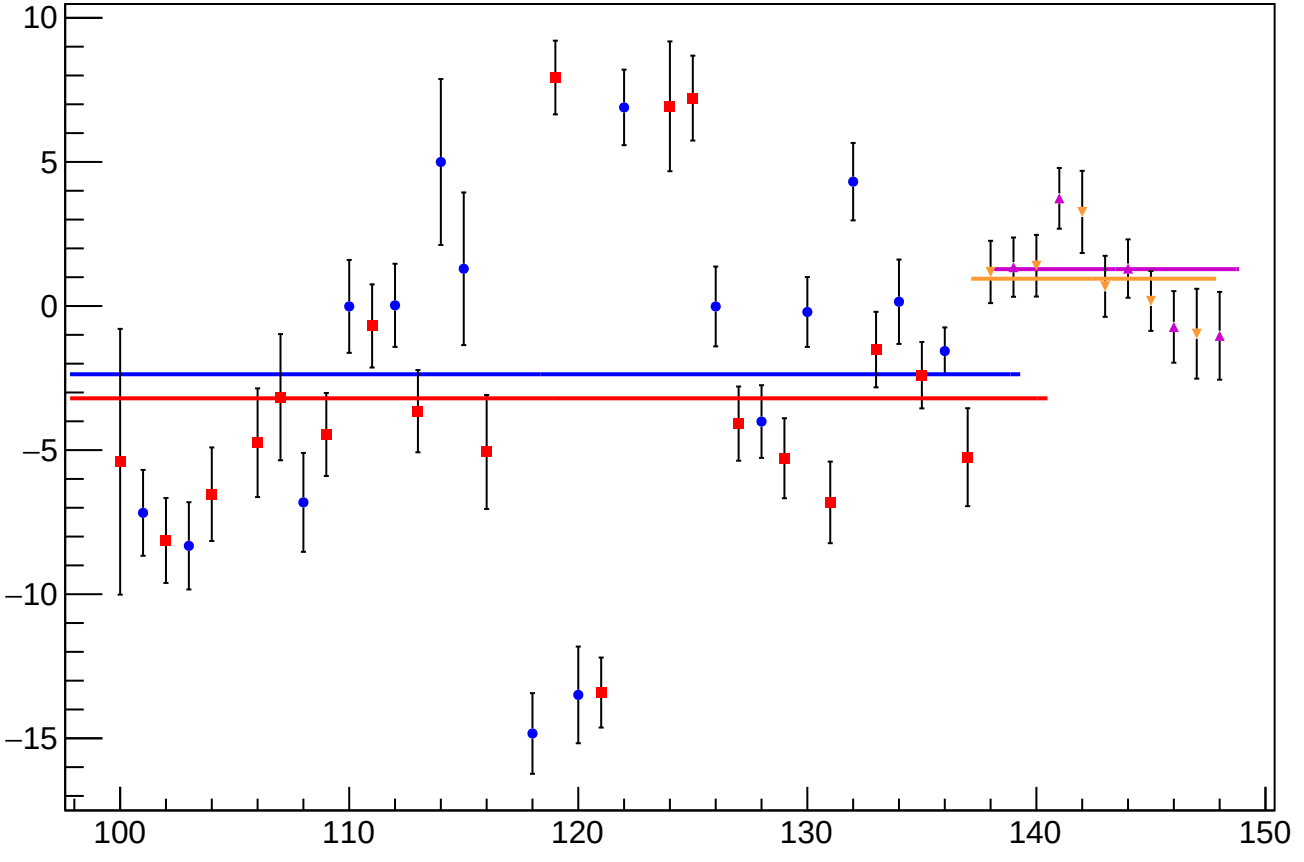
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8064.966+/-1.690 χ^2/NDF:263056.3/20

Out: 7642.491+/-1.583 χ^2/NDF:603421.4/24

All: 7839.819+/-1.155 χ^2/NDF: 899763.4/45

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.948+/-0.474 χ^2/NDF:5.0/5

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.280+/-0.507 χ^2/NDF:10.3/4

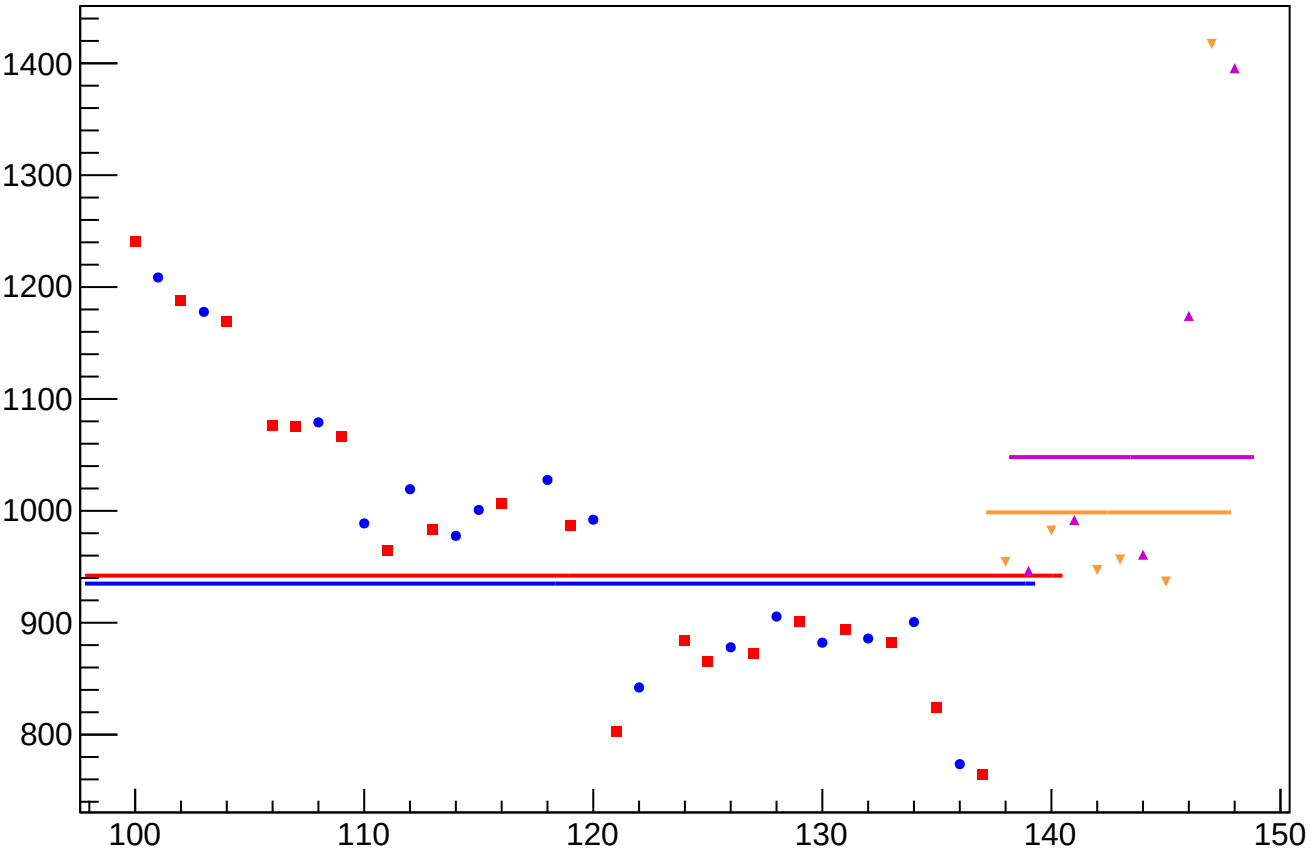
Left: 1.103+/-0.346 χ^2/NDF: 15.6/10

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.187+/-0.288 χ^2/NDF:301.0/20

Out: -1.758+/-0.280 χ^2/NDF:305.5/24

All: -1.481+/-0.201 χ^2/NDF: 608.5/45



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 998.622+/-0.335 χ^2/NDF:160909.4/5

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1048.057+/-0.358 χ^2/NDF:164843.8/4

Left: 1021.707+/-0.245 χ^2/NDF: 335908.4/10

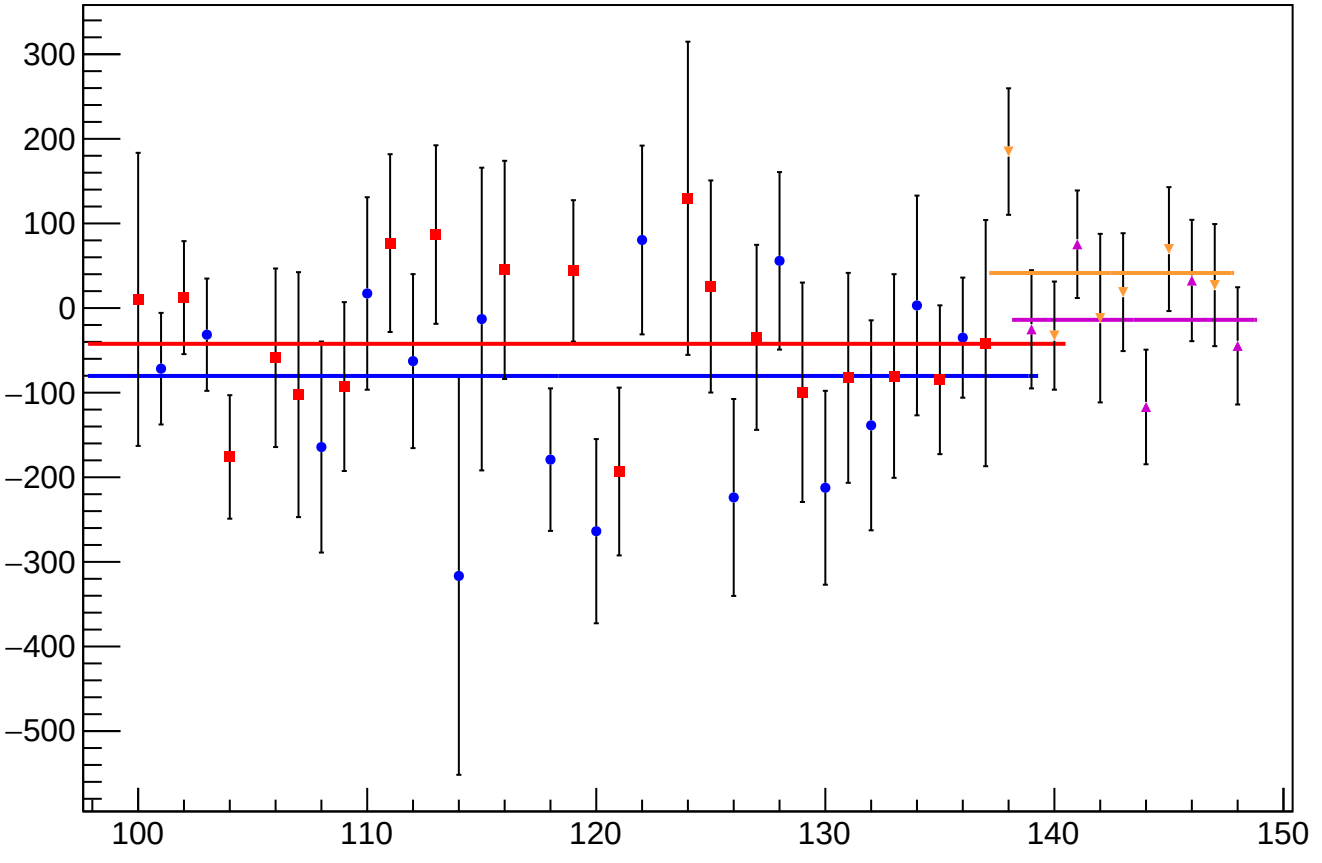
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 971.584+/-0.204 χ^2/NDF:486623.7/20

Out: 961.768+/-0.198 χ^2/NDF:411900.9/24

All: 966.529+/-0.142 χ^2/NDF: 899719.6/45

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 41.459+/-30.028 χ^2/NDF:5.6/5

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -13.919+/-30.527 χ^2/NDF:4.9/4

Left: 14.226+/-21.407 χ^2/NDF: 12.2/10

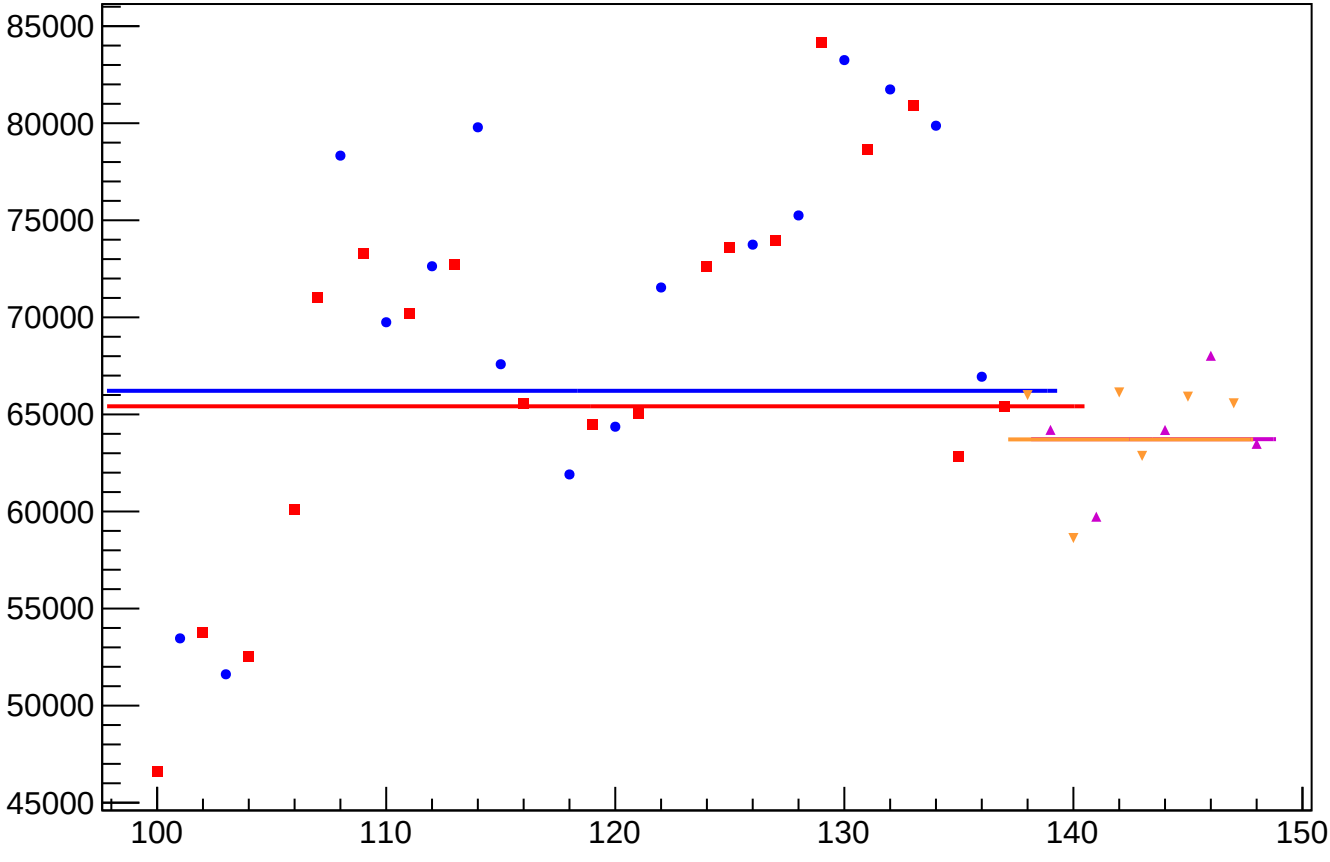
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -53.739+/-19.299 χ^2/NDF:22.6/20

Out: -9.389+/-18.816 χ^2/NDF:23.3/24

All: -31.002+/-13.473 χ^2/NDF: 48.6/45

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 63712.630+/-21.233 χ^2/NDF:19114.9/5

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 63725.109+/-21.586 χ^2/NDF:15286.4/4

Left: 63718.766+/-15.137 χ^2/NDF: 34401.4/10

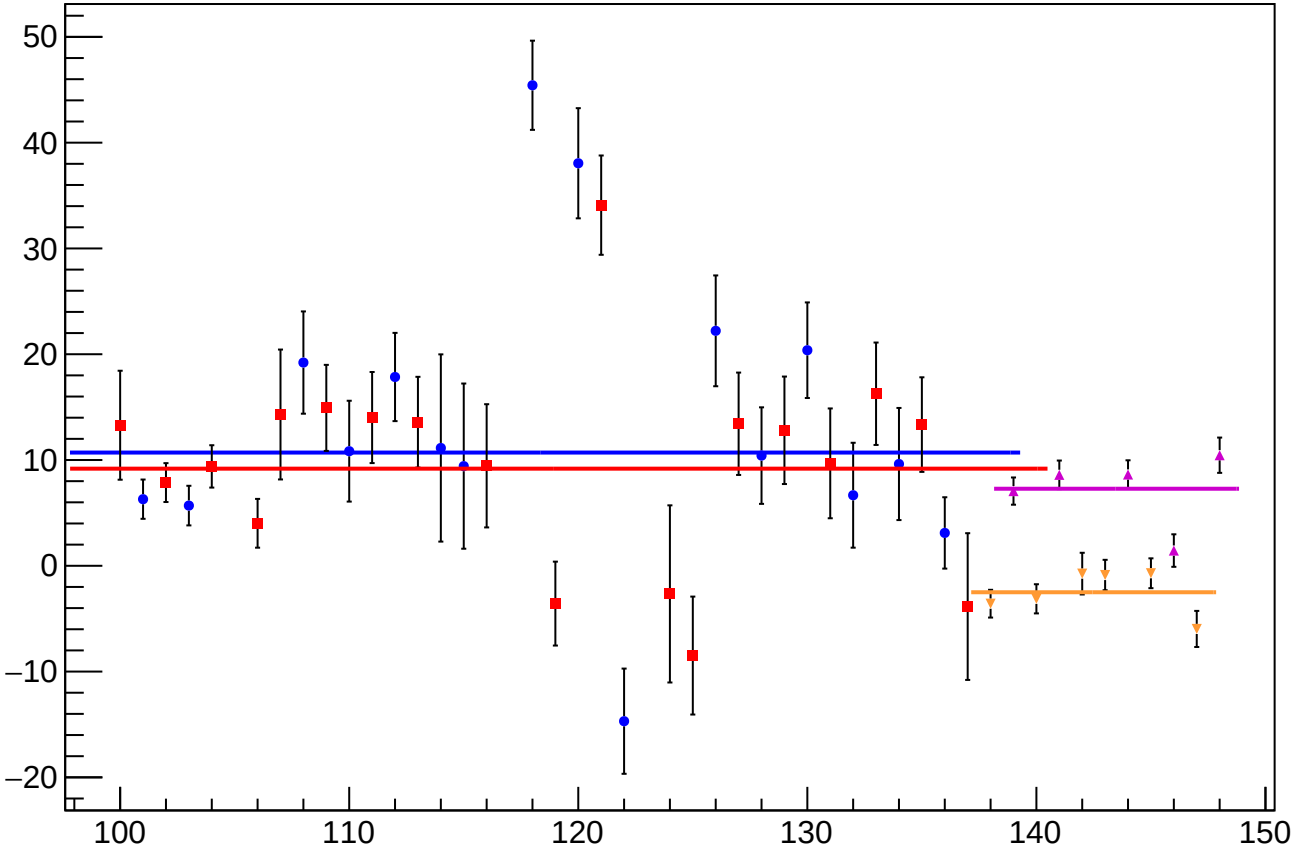
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65220.486+/-13.647 χ^2/NDF:361658.5/20

Out: 64748.683+/-13.305 χ^2/NDF:327591.1/24

All: 64978.605+/-9.527 χ^2/NDF: 689862.4/45

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -2.502+/-0.609 χ^2/NDF:8.7/5

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 7.284+/-0.634 χ^2/NDF:20.1/4

Left: 2.198+/-0.439 χ^2/NDF: 152.7/10

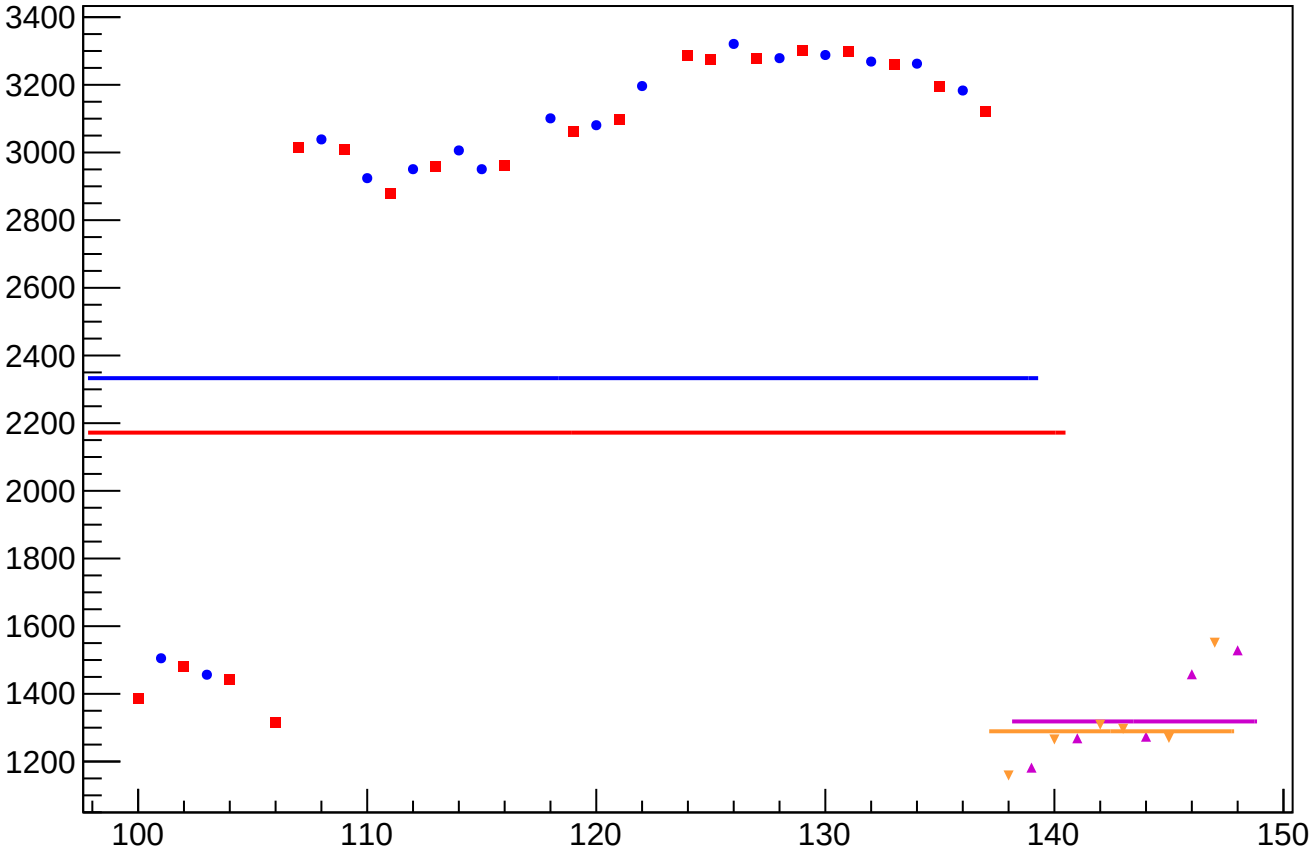
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.384+/-0.522 χ^2/NDF:185.0/20

Out: 1.461+/-0.495 χ^2/NDF:203.1/24

All: 4.740+/-0.359 χ^2/NDF: 480.7/45

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1289.332+/-0.431 χ^2/NDF:68137.1/5

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1318.429+/-0.448 χ^2/NDF:75717.4/4

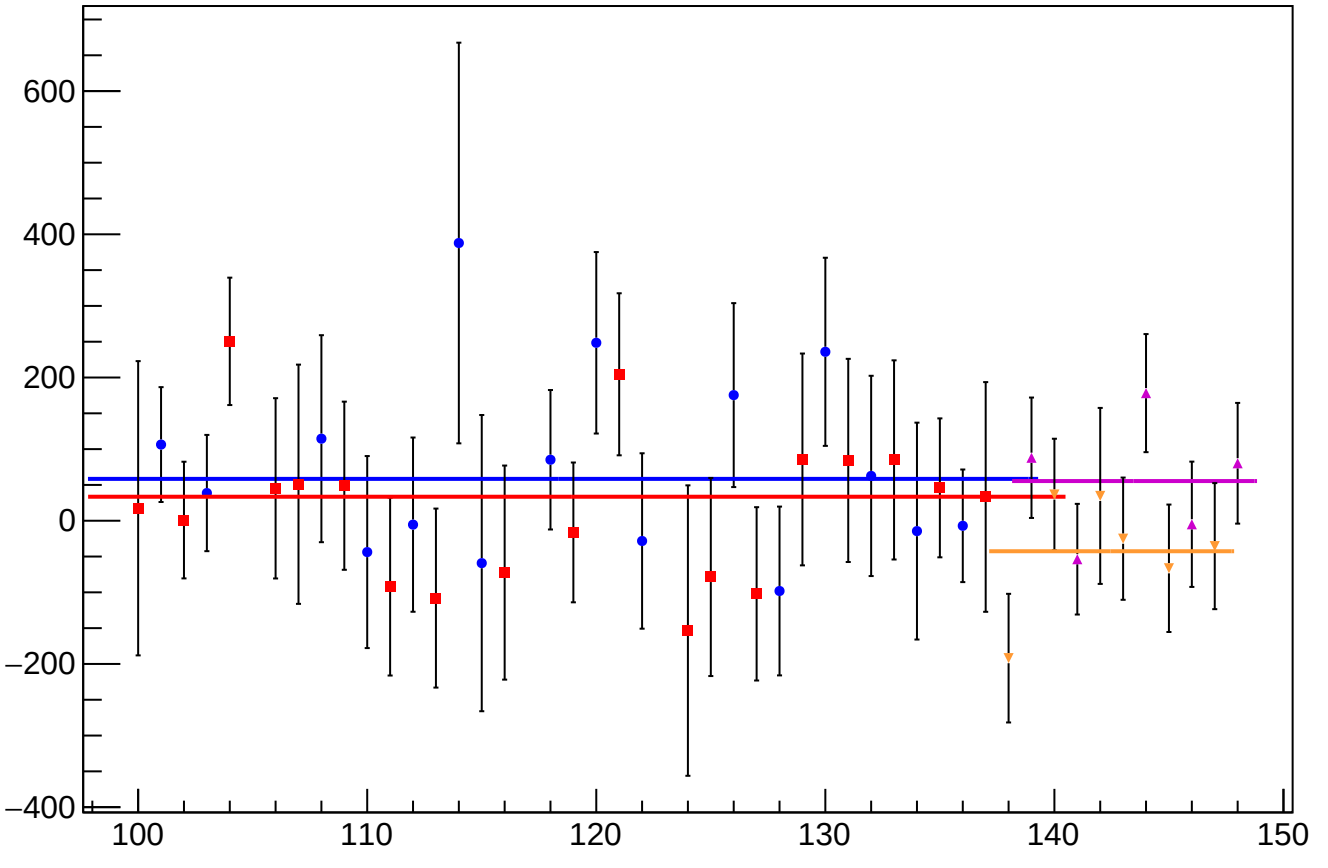
Left: 1303.305+/-0.310 χ^2/NDF: 146046.5/10

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1644.611+/-0.369 χ^2/NDF:3375568.4/20

Out: 1588.727+/-0.350 χ^2/NDF:3477203.6/24

All: 1615.195+/-0.254 χ^2/NDF: 6864839.9/45



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -42.605+/-36.571 χ^2/NDF:4.3/5

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 55.410+/-37.078 χ^2/NDF:4.9/4

Left: 5.728+/-26.037 χ^2/NDF: 12.8/10

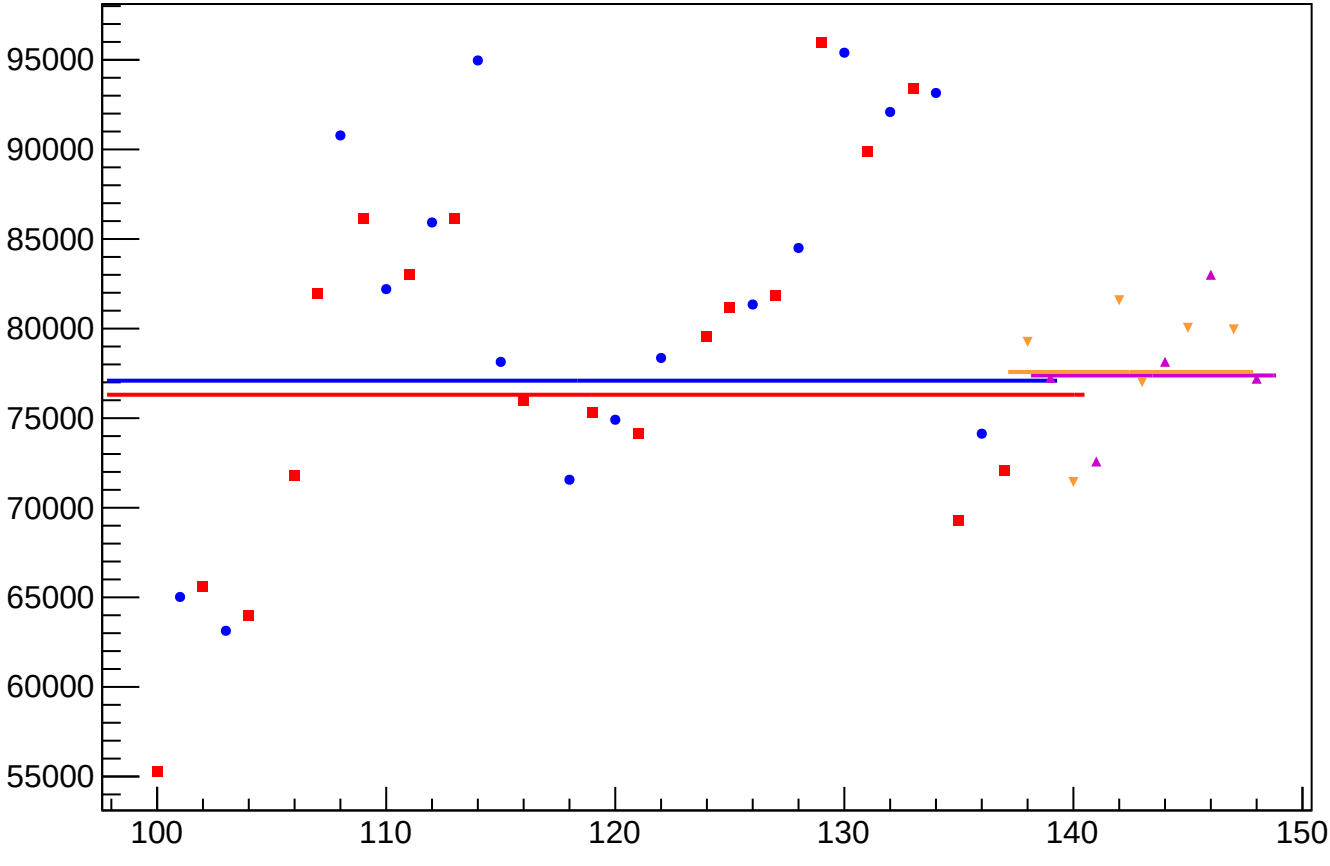
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 57.298+/-22.803 χ^2/NDF:16.2/20

Out: 5.254+/-22.285 χ^2/NDF:21.7/24

All: 30.678+/-15.938 χ^2/NDF: 40.6/45

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77579.842+/-25.859 χ^2/NDF:18345.5/5

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 77383.816+/-26.218 χ^2/NDF:16158.4/4

Left: 77483.179+/-18.411 χ^2/NDF: 34532.3/10

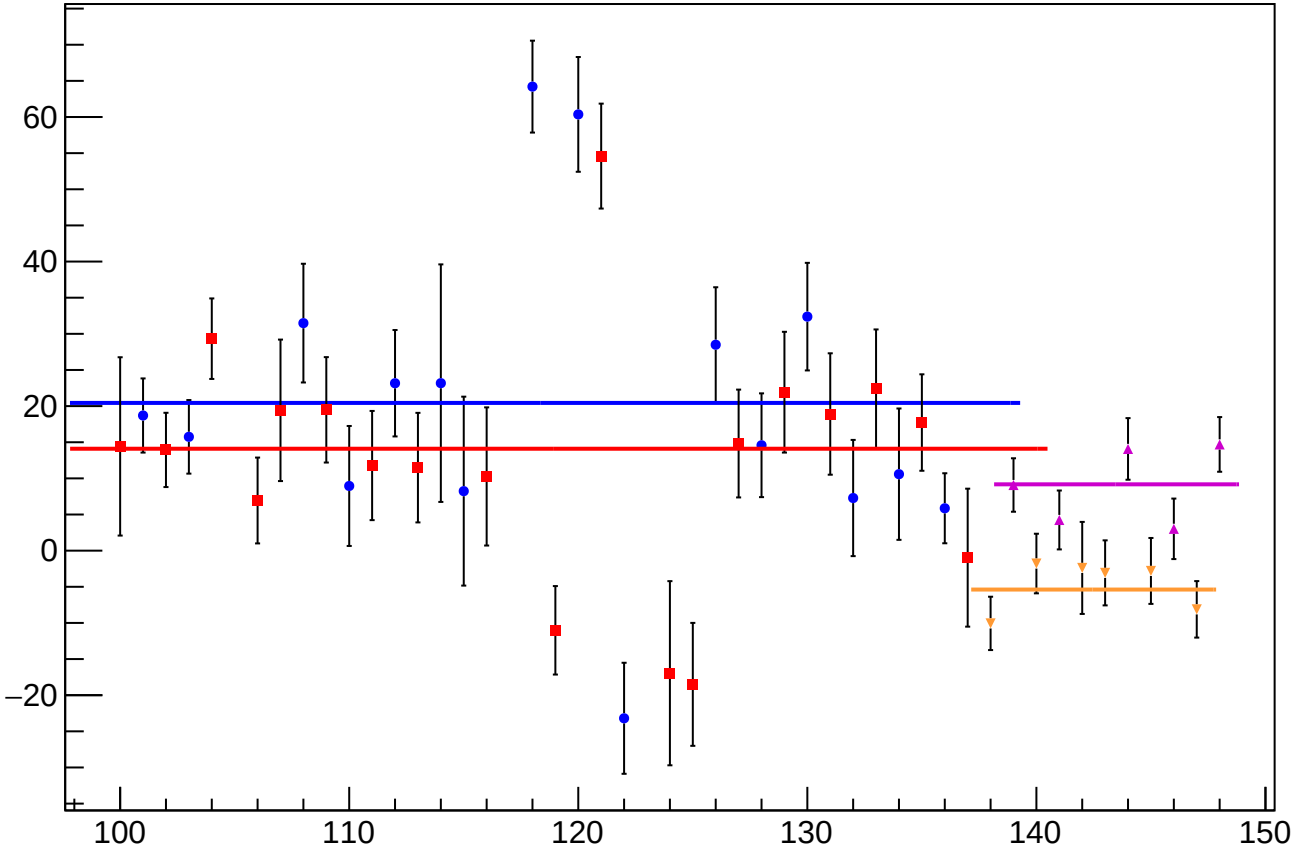
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77203.069+/-16.124 χ^2/NDF:264777.6/20

Out: 76780.703+/-15.758 χ^2/NDF:254297.8/24

All: 76987.036+/-11.270 χ^2/NDF: 519426.3/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.382+/-1.768 χ^2/NDF:3.7/5

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 9.177+/-1.781 χ^2/NDF:7.1/4

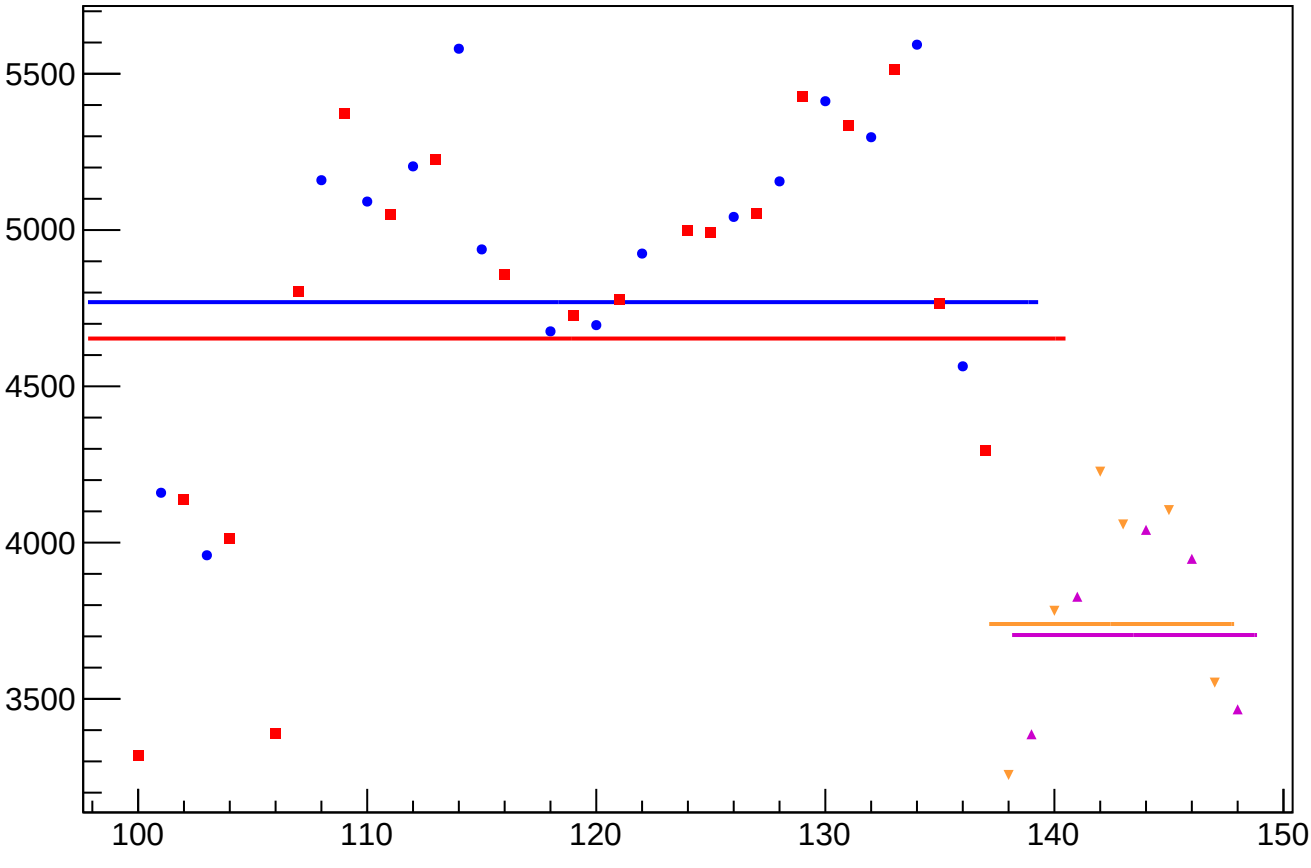
Left: 1.846+/-1.255 χ^2/NDF: 44.4/10

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.806+/-1.260 χ^2/NDF:154.9/20

Out: 4.666+/-1.231 χ^2/NDF:150.0/24

All: 9.617+/-0.880 χ^2/NDF: 338.1/45



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3739.568+/-1.250 χ^2/NDF:73596.6/5

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3704.358+/-1.259 χ^2/NDF:43686.5/4

Left: 3722.089+/-0.887 χ^2/NDF: 117676.8/10

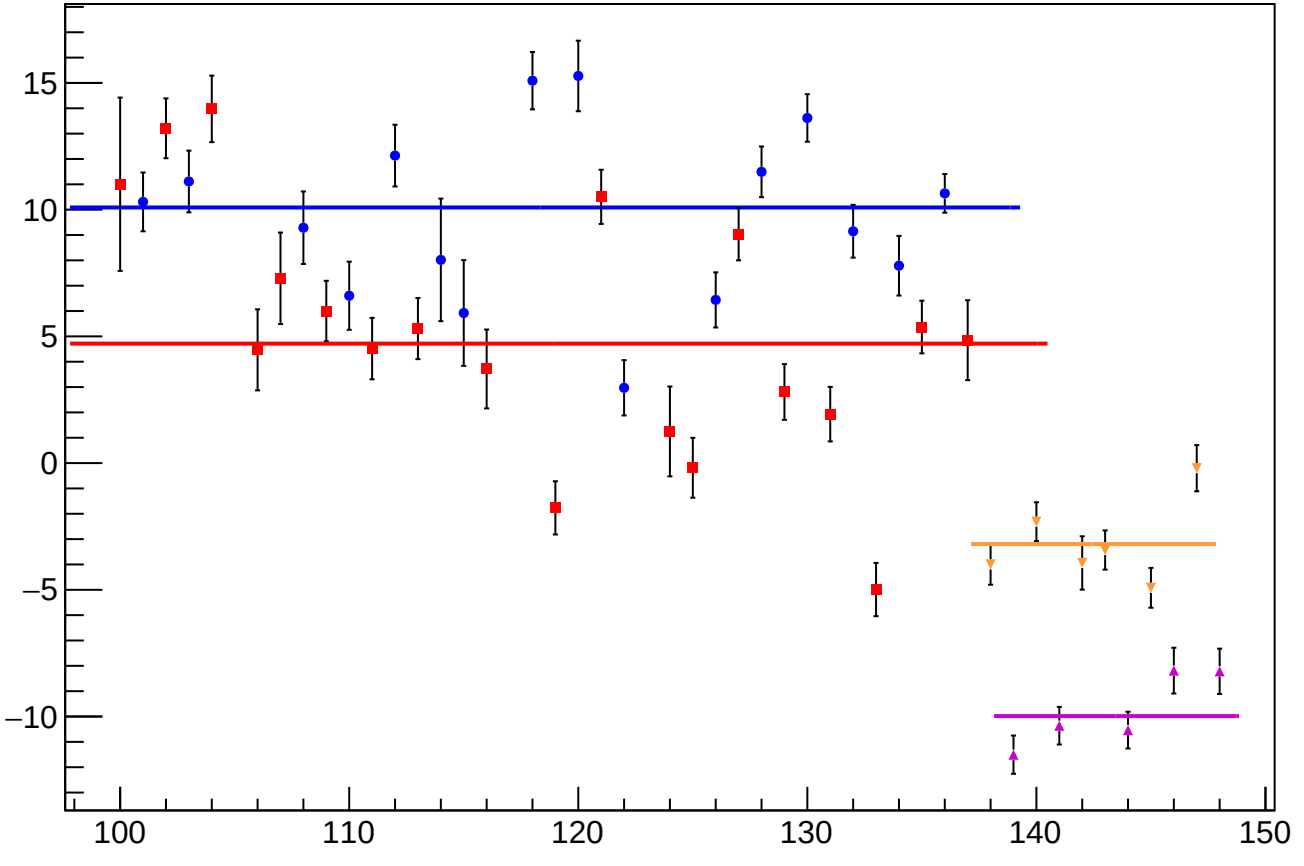
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4236.538+/-0.891 χ^2/NDF:552789.3/20

Out: 4210.563+/-0.870 χ^2/NDF:613907.0/24

All: 4223.247+/-0.622 χ^2/NDF: 1167131.5/45

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.195+/-0.340 χ^2/NDF:18.5/5

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -9.983+/-0.355 χ^2/NDF:12.8/4

Left: -6.446+/-0.245 χ^2/NDF: 222.2/10

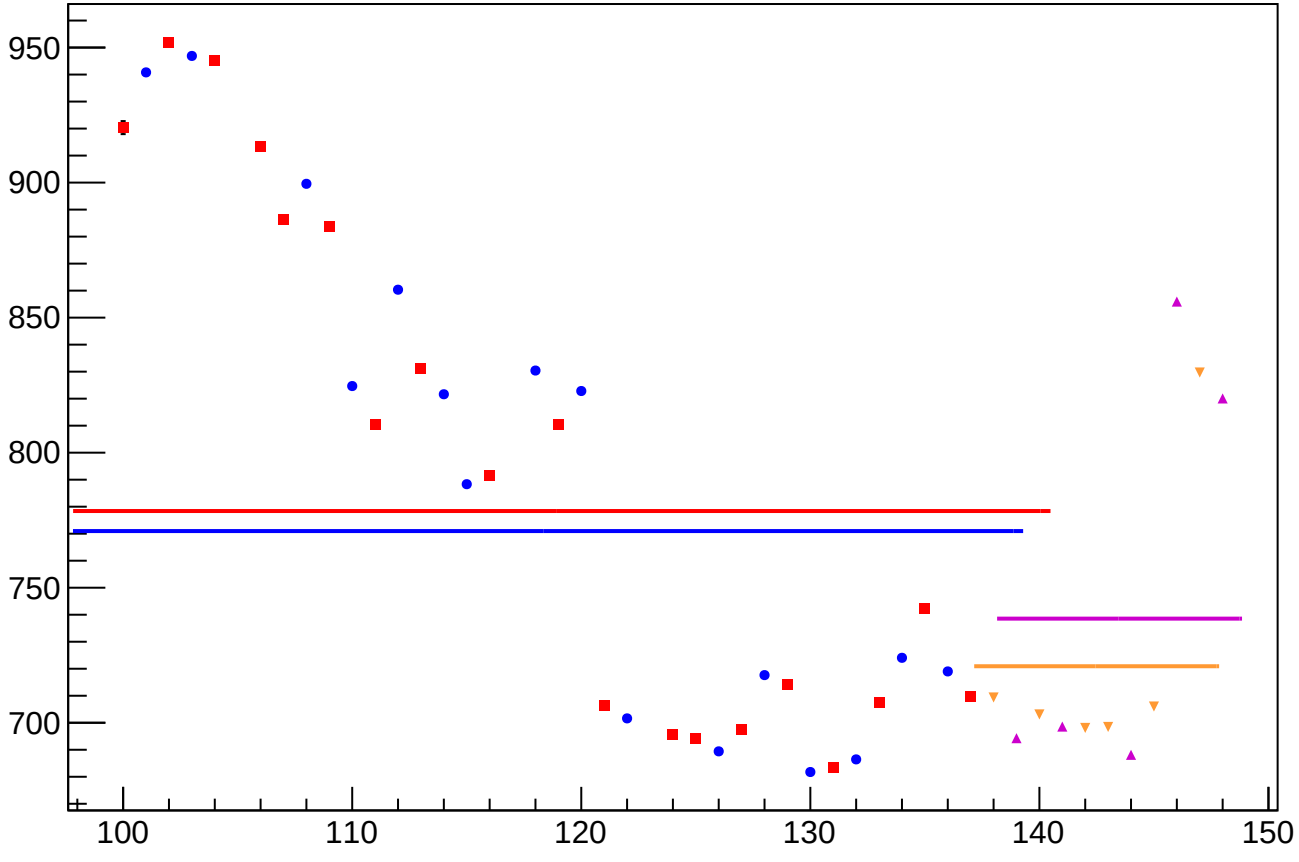
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.099+/-0.224 χ^2/NDF:2064.4/20

Out: 1.441+/-0.219 χ^2/NDF:645.9/24

All: 1.762+/-0.156 χ^2/NDF: 2714.7/45

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 720.920+/-0.240 χ^2/NDF:33281.2/5

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 738.552+/-0.251 χ^2/NDF:72812.9/4

Left: 729.364+/-0.174 χ^2/NDF: 108669.8/10

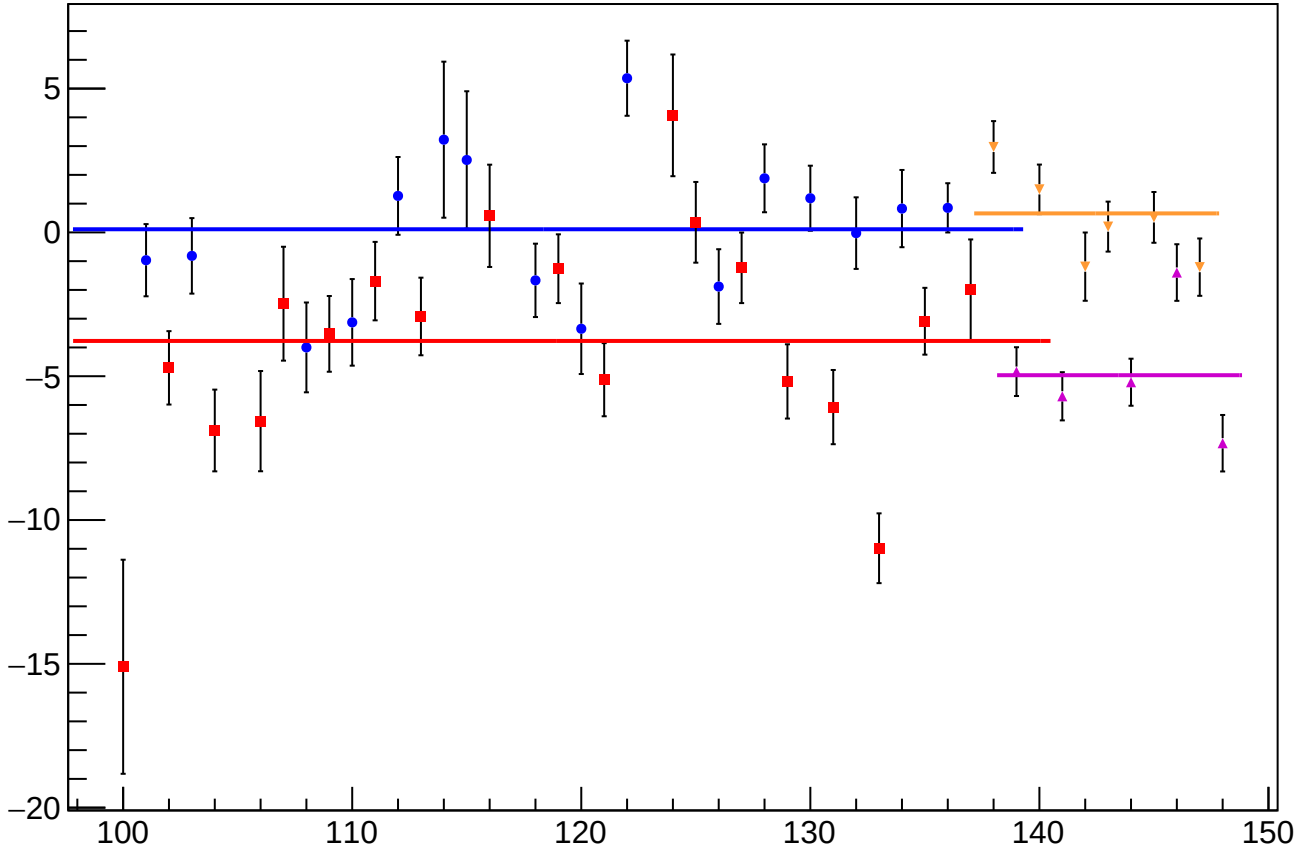
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 758.070+/-0.158 χ^2/NDF:275786.1/20

Out: 754.601+/-0.155 χ^2/NDF:263317.6/24

All: 756.296+/-0.111 χ^2/NDF: 539349.5/45

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.660+/-0.381 χ^2/NDF:13.8/5

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -4.965+/-0.396 χ^2/NDF:19.8/4

Left: -2.041+/-0.274 χ^2/NDF: 138.6/10

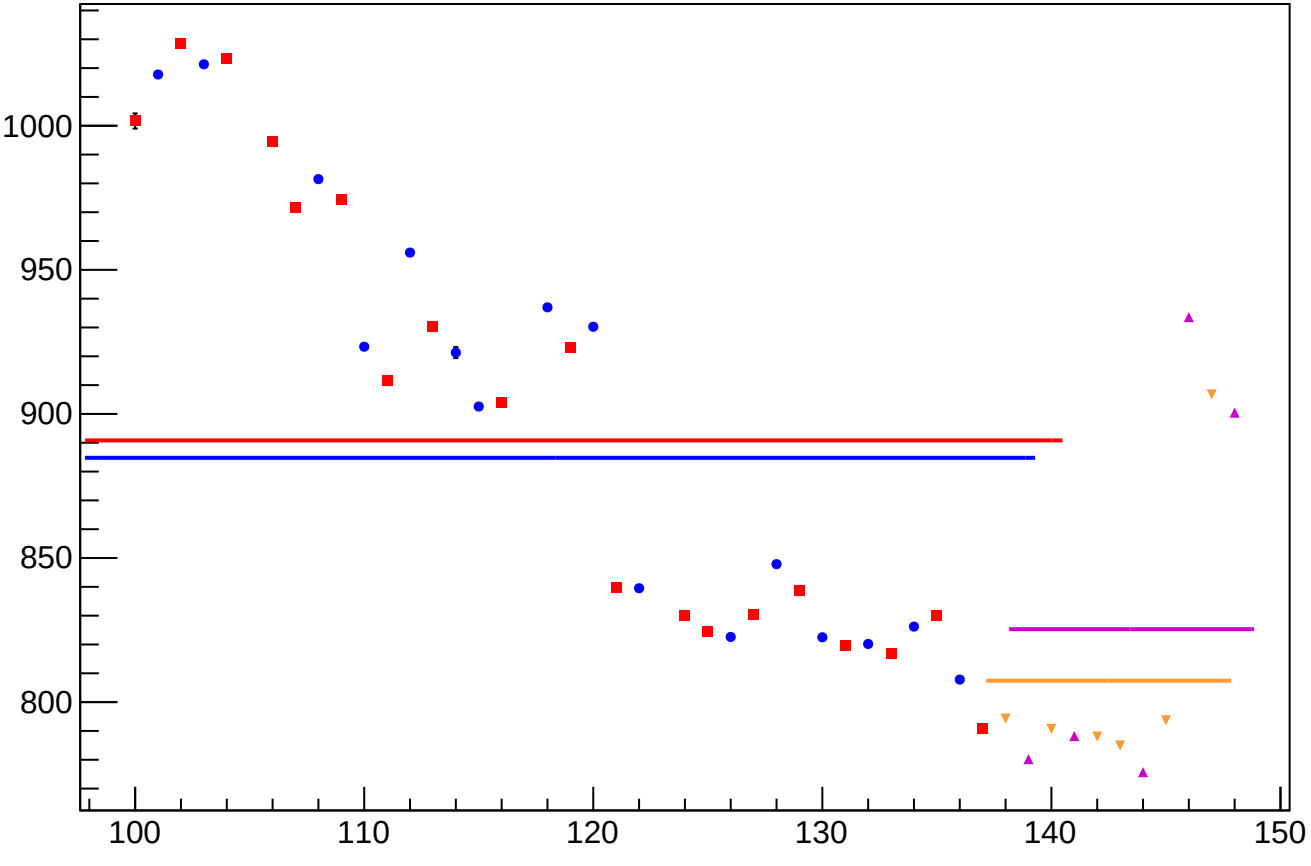
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.970+/-0.253 χ^2/NDF:162.1/20

Out: -1.896+/-0.248 χ^2/NDF:191.6/24

All: -1.933+/-0.177 χ^2/NDF: 353.8/45

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 807.429+/-0.269 χ^2/NDF:23388.4/5

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 825.319+/-0.280 χ^2/NDF:52876.0/4

Left: 816.020+/-0.194 χ^2/NDF: 78387.4/10

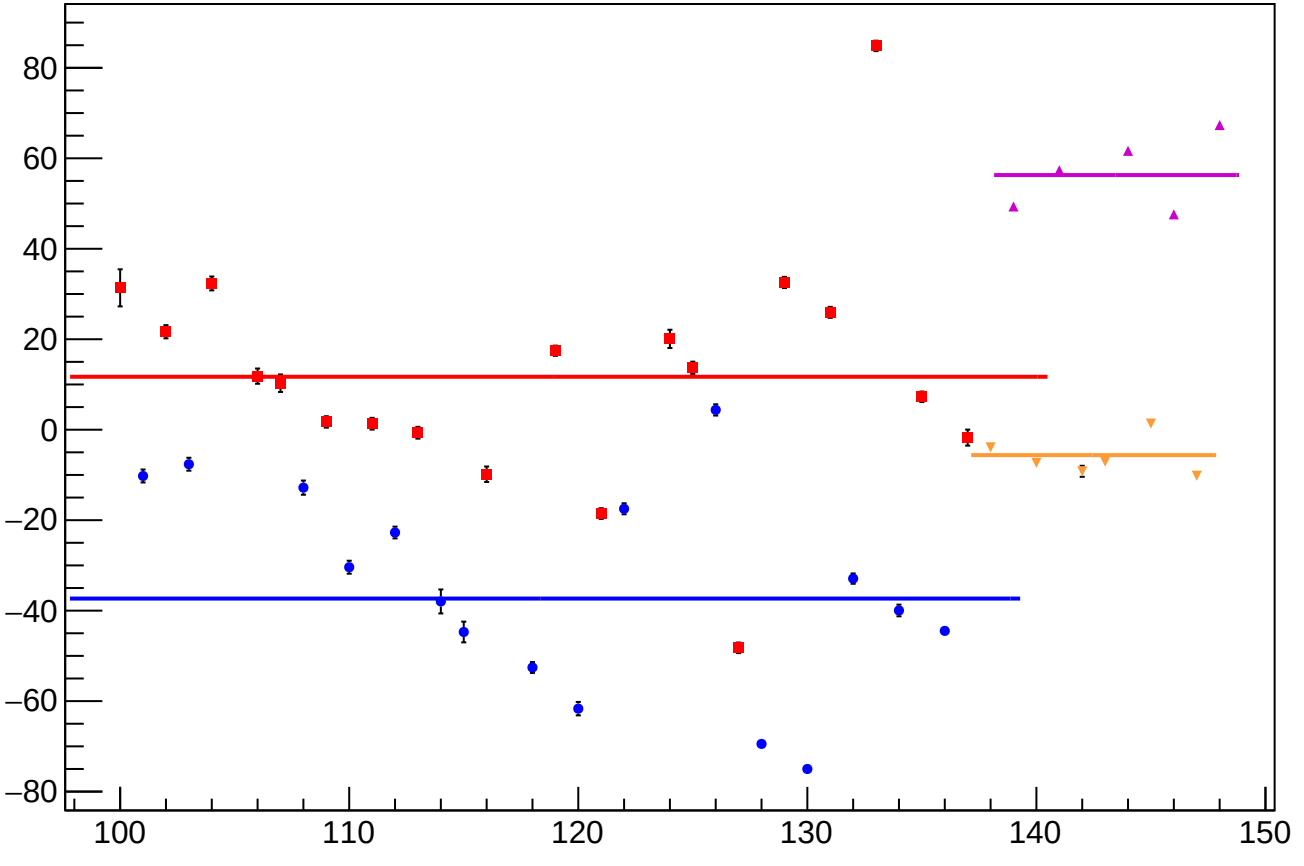
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 860.407+/-0.179 χ^2/NDF:183991.4/20

Out: 855.509+/-0.175 χ^2/NDF:186534.8/24

All: 857.901+/-0.125 χ^2/NDF: 370908.4/45

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -5.616+/-0.389 χ^2/NDF:96.3/5

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 56.298+/-0.408 χ^2/NDF:293.3/4

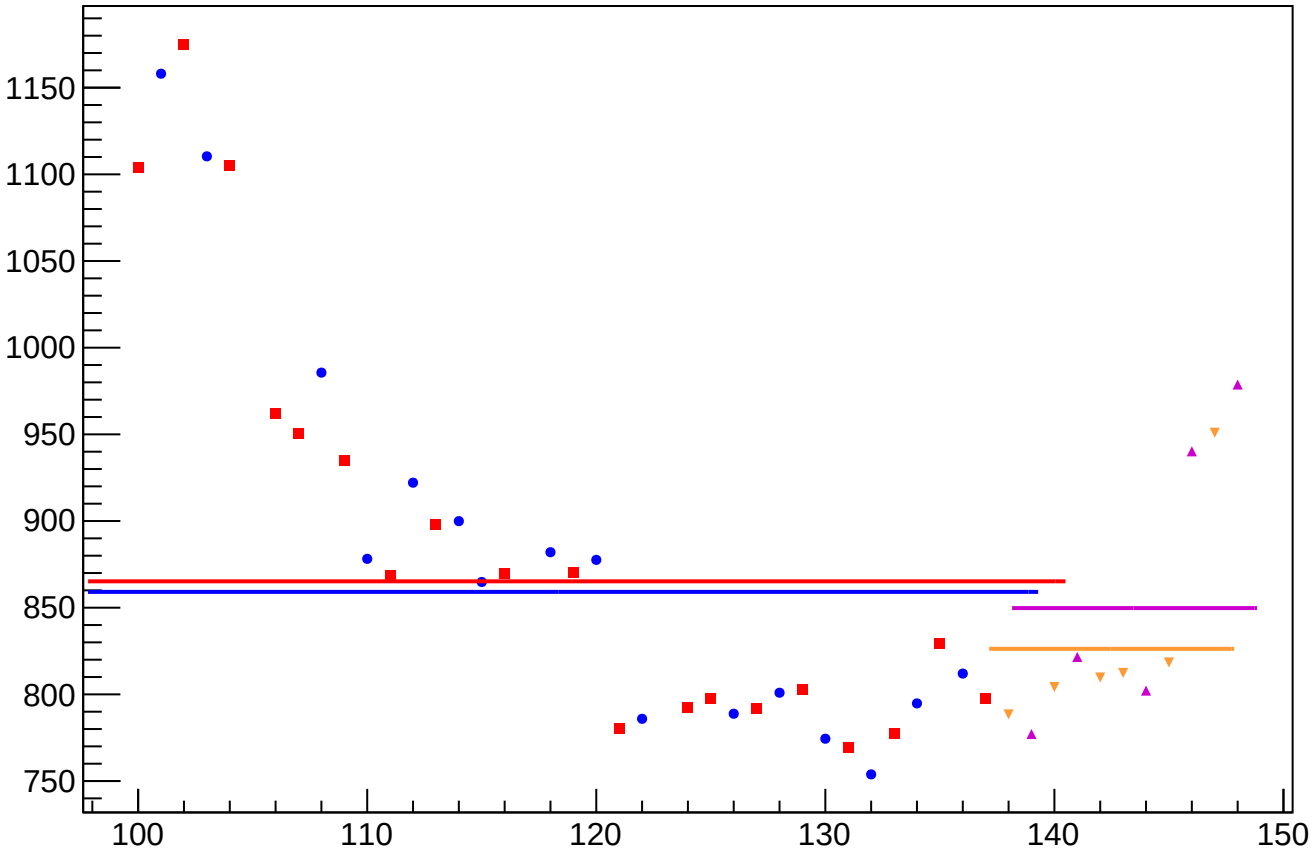
Left: 23.909+/-0.282 χ^2/NDF: 12438.5/10

Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -1.428+/-0.253 χ^2/NDF:37951.8/20

Out: 4.780+/-0.246 χ^2/NDF:9746.9/24

All: 1.755+/-0.176 χ^2/NDF: 48008.4/45



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 826.276+/-0.275 χ^2/NDF:34278.2/5

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 849.777+/-0.288 χ^2/NDF:69066.1/4

Left: 837.483+/-0.199 χ^2/NDF: 106816.4/10

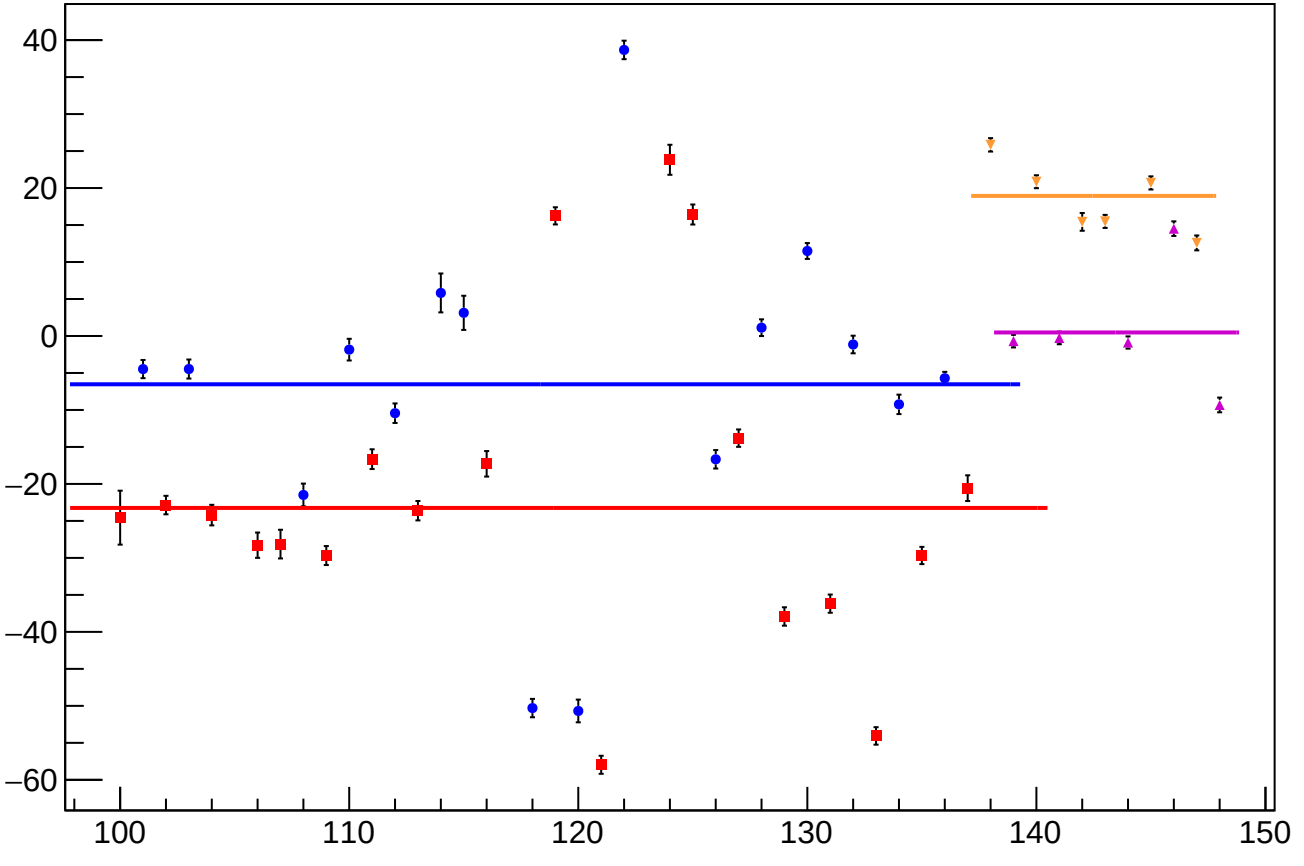
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 855.541+/-0.179 χ^2/NDF:298423.6/20

Out: 849.645+/-0.174 χ^2/NDF:269942.5/24

All: 852.518+/-0.125 χ^2/NDF: 568924.7/45

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.936+/-0.385 χ^2/NDF:130.2/5

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 0.476+/-0.401 χ^2/NDF:304.2/4

Left: 10.079+/-0.278 χ^2/NDF: 1536.8/10

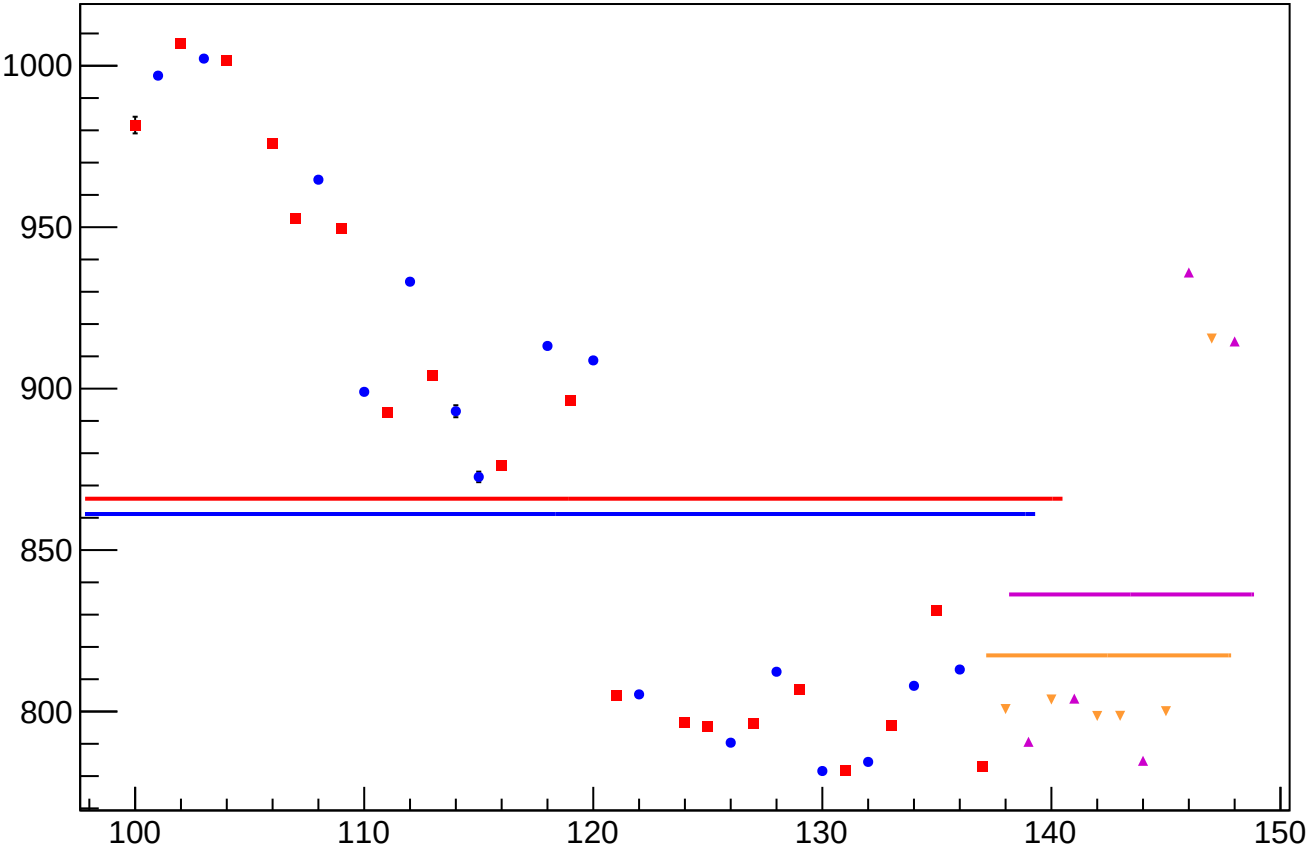
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.791+/-0.251 χ^2/NDF:4436.2/20

Out: -6.206+/-0.245 χ^2/NDF:11750.5/24

All: -5.028+/-0.175 χ^2/NDF: 16234.2/45

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 817.384+/-0.272 χ^2/NDF:22305.8/5

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 836.255+/-0.284 χ^2/NDF:49035.4/4

Left: 826.439+/-0.196 χ^2/NDF: 73645.1/10

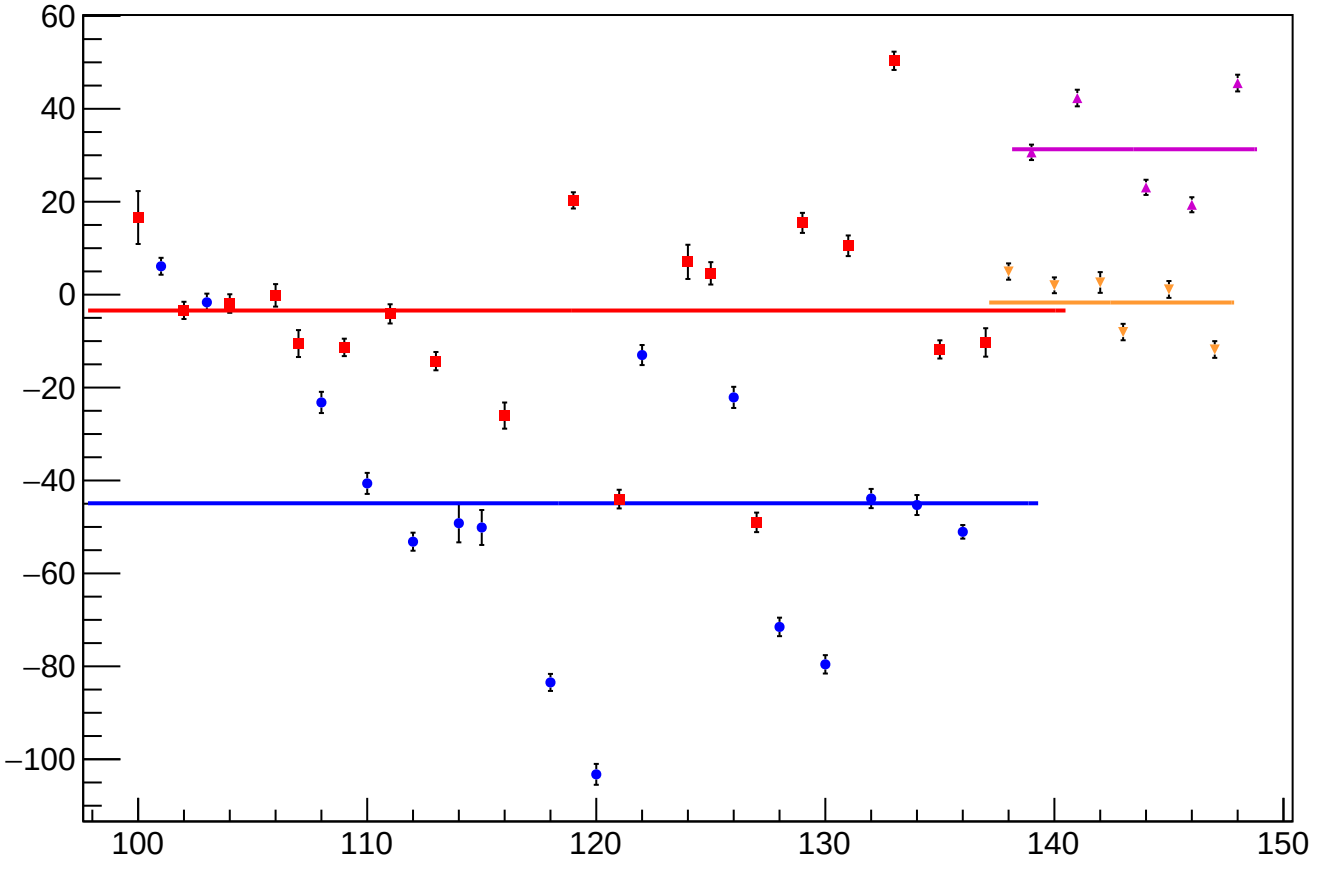
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 851.433+/-0.177 χ^2/NDF:167268.1/20

Out: 846.308+/-0.173 χ^2/NDF:159648.5/24

All: 848.809+/-0.124 χ^2/NDF: 327344.4/45

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.695+/-0.744 χ^2/NDF:69.9/5

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 31.293+/-0.758 χ^2/NDF:180.3/4

Left: 14.490+/-0.531 χ^2/NDF: 1214.0/10

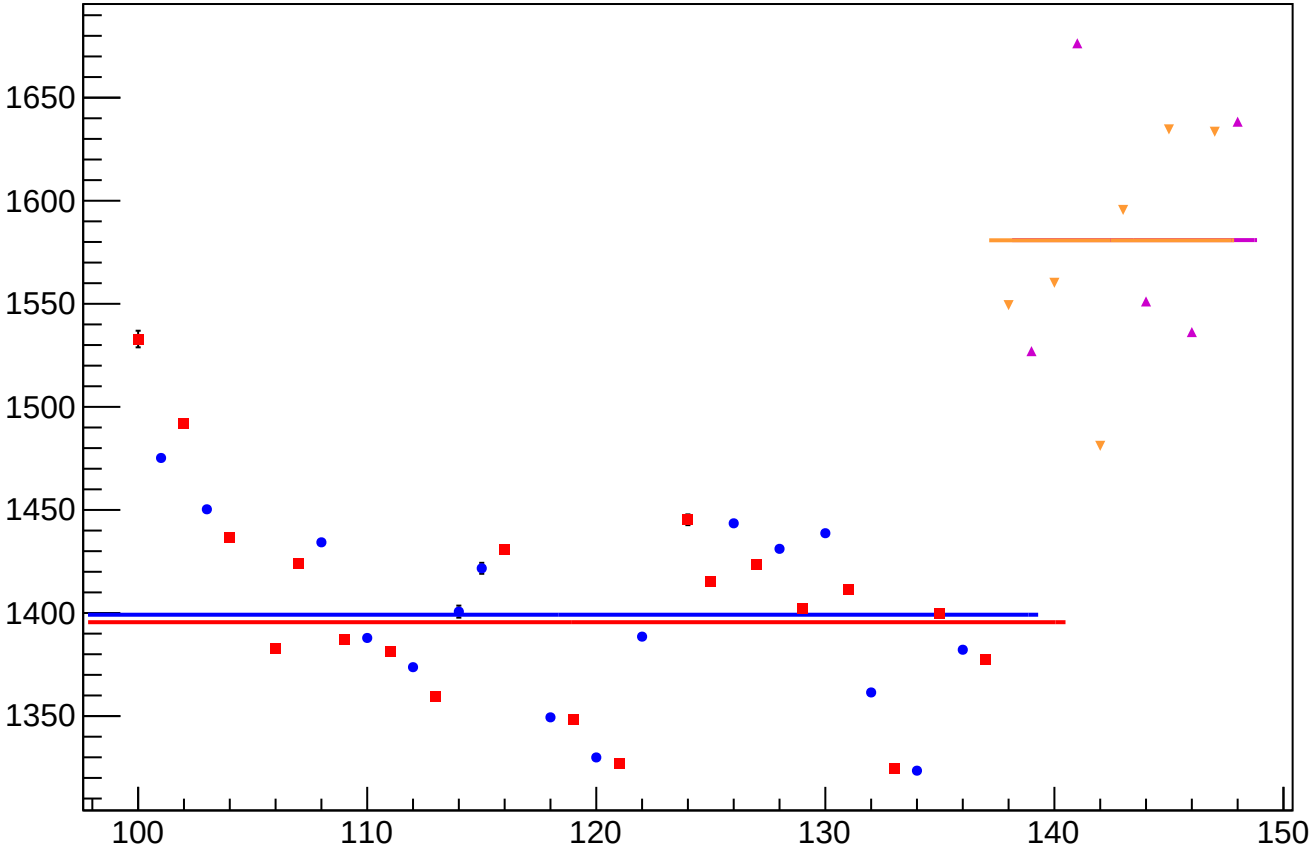
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -20.544+/-0.429 χ^2/NDF:10425.5/20

Out: -2.867+/-0.420 χ^2/NDF:2175.7/24

All: -11.527+/-0.300 χ^2/NDF: 13468.0/45

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1580.814+/-0.526 χ^2/NDF:8547.3/5

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1580.908+/-0.536 χ^2/NDF:12028.7/4

Left: 1580.860+/-0.376 χ^2/NDF: 20576.0/10

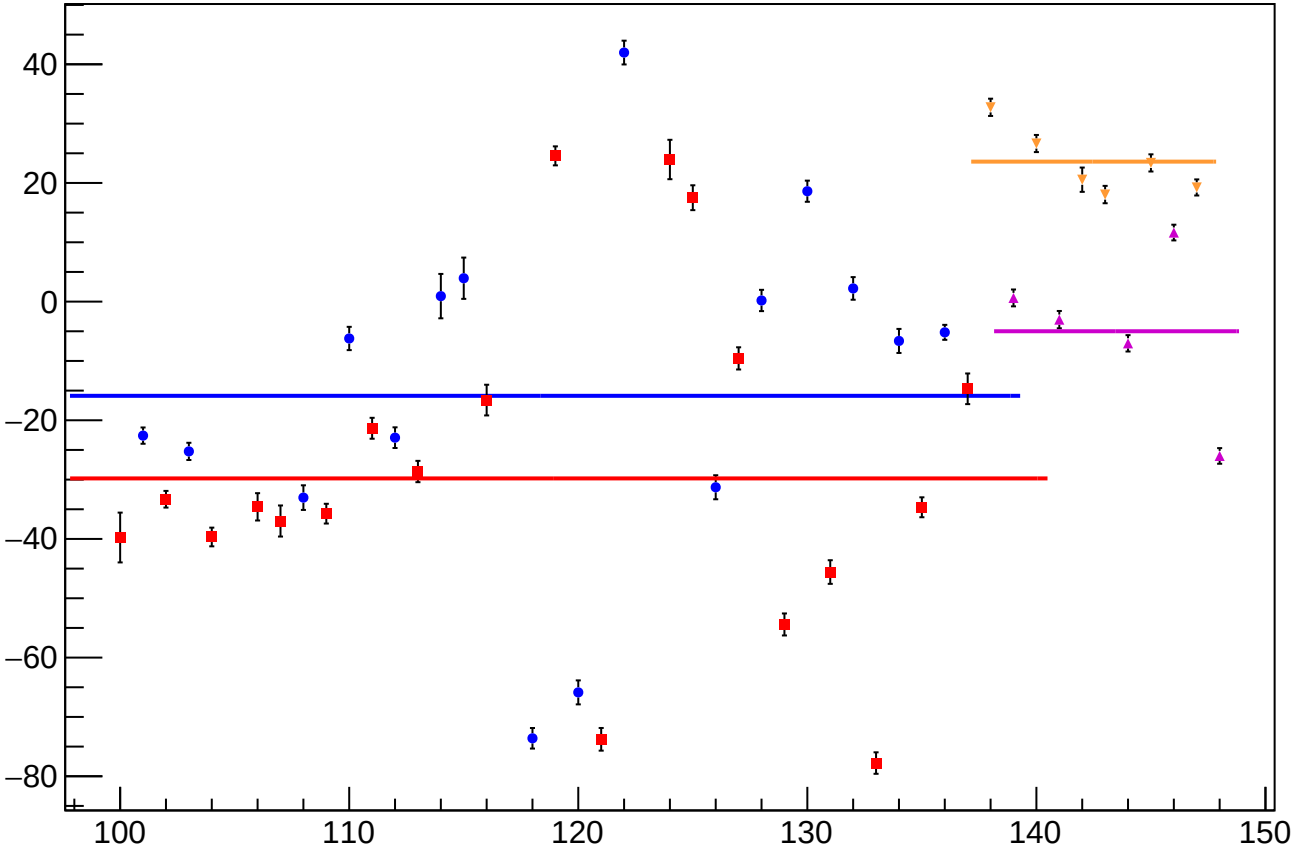
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1457.275+/-0.303 χ^2/NDF:105005.5/20

Out: 1454.605+/-0.297 χ^2/NDF:109202.1/24

All: 1455.913+/-0.212 χ^2/NDF: 214247.2/45

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.595+/-0.611 χ^2/NDF:71.0/5

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -4.996+/-0.616 χ^2/NDF:431.7/4

Left: 9.408+/-0.434 χ^2/NDF: 1588.8/10

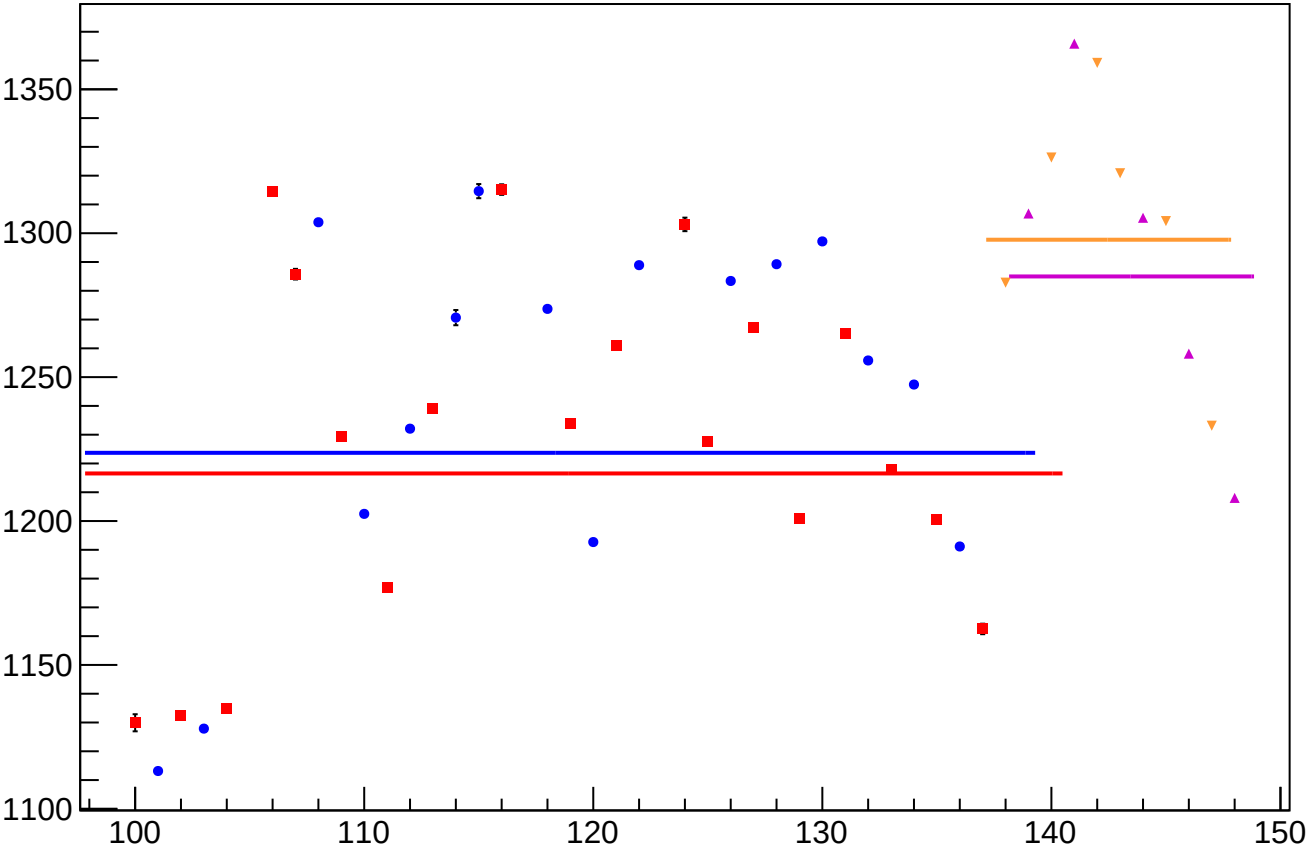
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.032+/-0.366 χ^2/NDF:4111.4/20

Out: -11.332+/-0.359 χ^2/NDF:8746.3/24

All: -11.676+/-0.256 χ^2/NDF: 12859.6/45

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1297.742+/-0.432 χ^2/NDF:7873.1/5

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1284.981+/-0.435 χ^2/NDF:14705.7/4

Left: 1291.410+/-0.307 χ^2/NDF: 23011.6/10

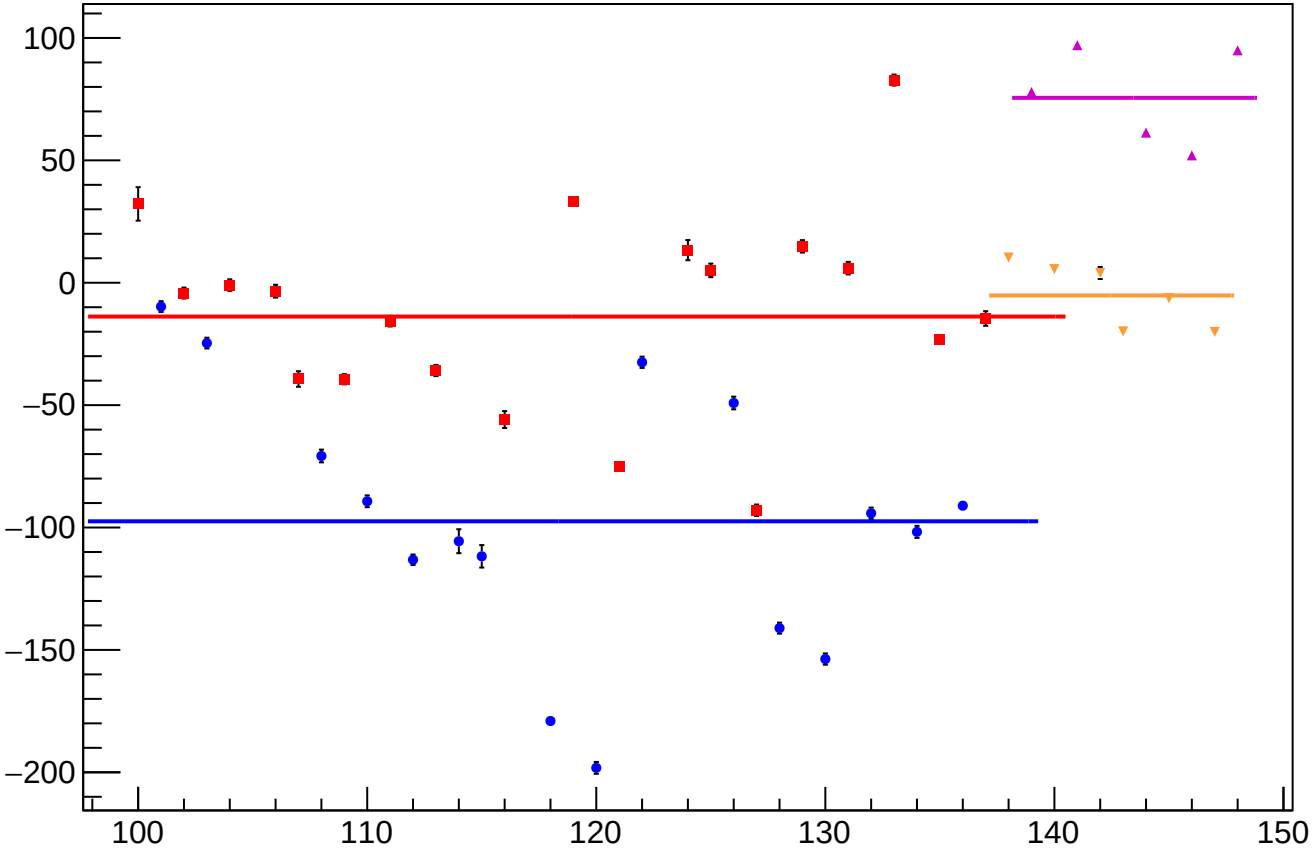
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1245.361+/-0.259 χ^2/NDF:68397.8/20

Out: 1244.621+/-0.254 χ^2/NDF:60358.7/24

All: 1244.984+/-0.181 χ^2/NDF: 128760.6/45

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.193+/-0.764 χ^2/NDF:259.9/5

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 75.541+/-0.774 χ^2/NDF:534.1/4

Left: 34.624+/-0.544 χ^2/NDF: 6301.0/10

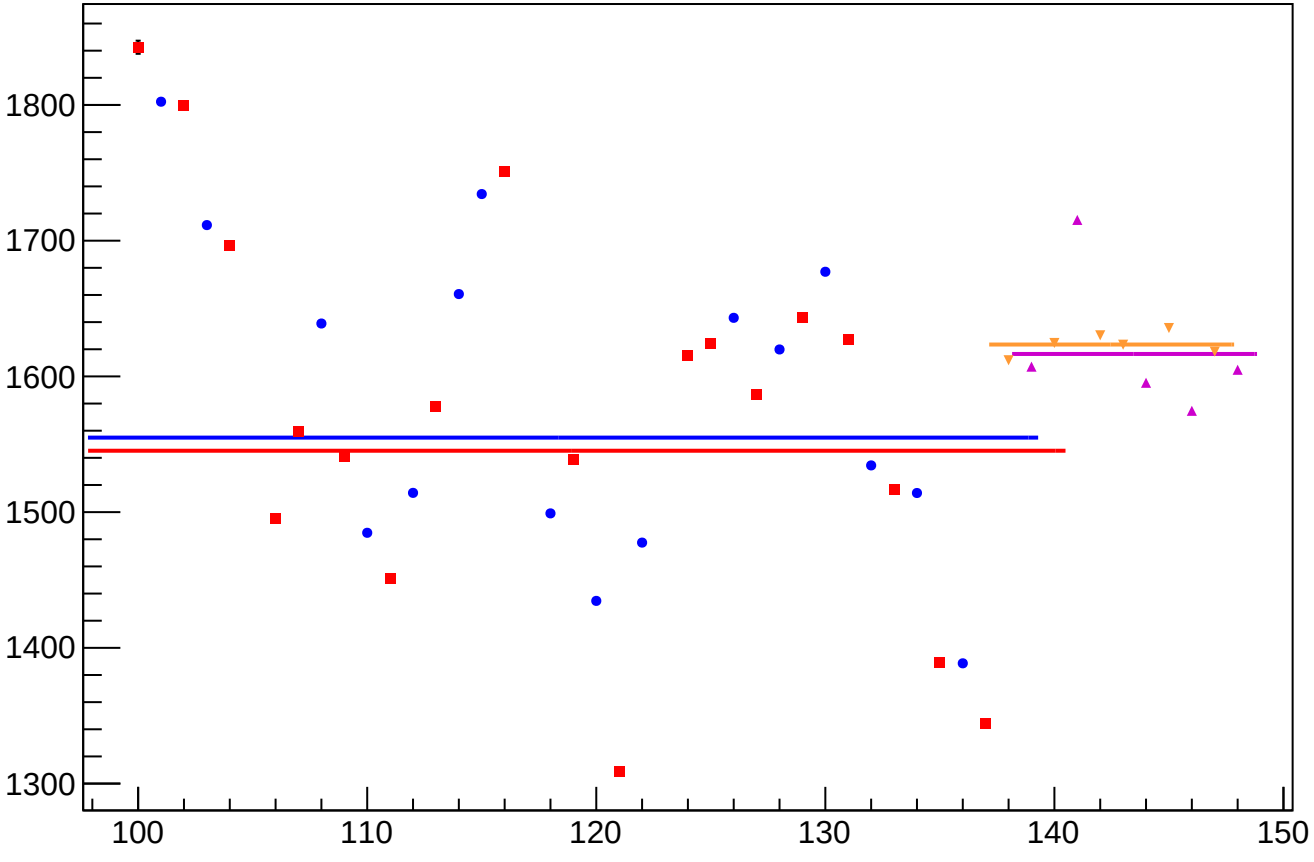
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -35.376+/-0.464 χ^2/NDF:40822.9/20

Out: -10.763+/-0.455 χ^2/NDF:5694.4/24

All: -22.819+/-0.325 χ^2/NDF: 47953.0/45

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1623.490+/-0.540 χ^2/NDF:203.9/5

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1616.535+/-0.548 χ^2/NDF:7567.3/4

Left: 1620.060+/-0.385 χ^2/NDF: 7852.9/10

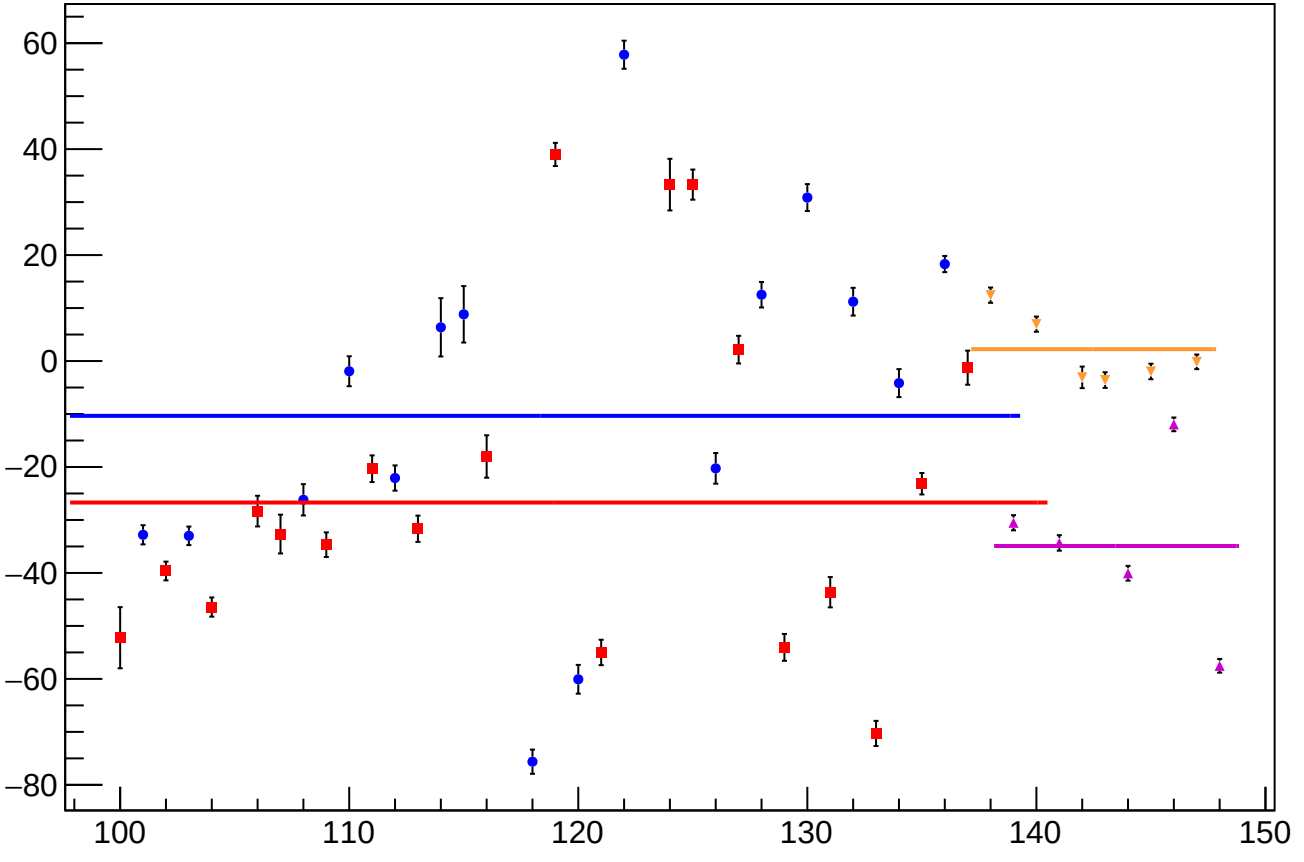
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1577.023+/-0.328 χ^2/NDF:103606.0/20

Out: 1572.946+/-0.321 χ^2/NDF:122544.9/24

All: 1574.943+/-0.230 χ^2/NDF: 226229.7/45

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.240+/-0.613 χ^2/NDF:94.5/5

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -34.911+/-0.613 χ^2/NDF:642.2/4

Left: -16.339+/-0.433 χ^2/NDF: 2574.0/10

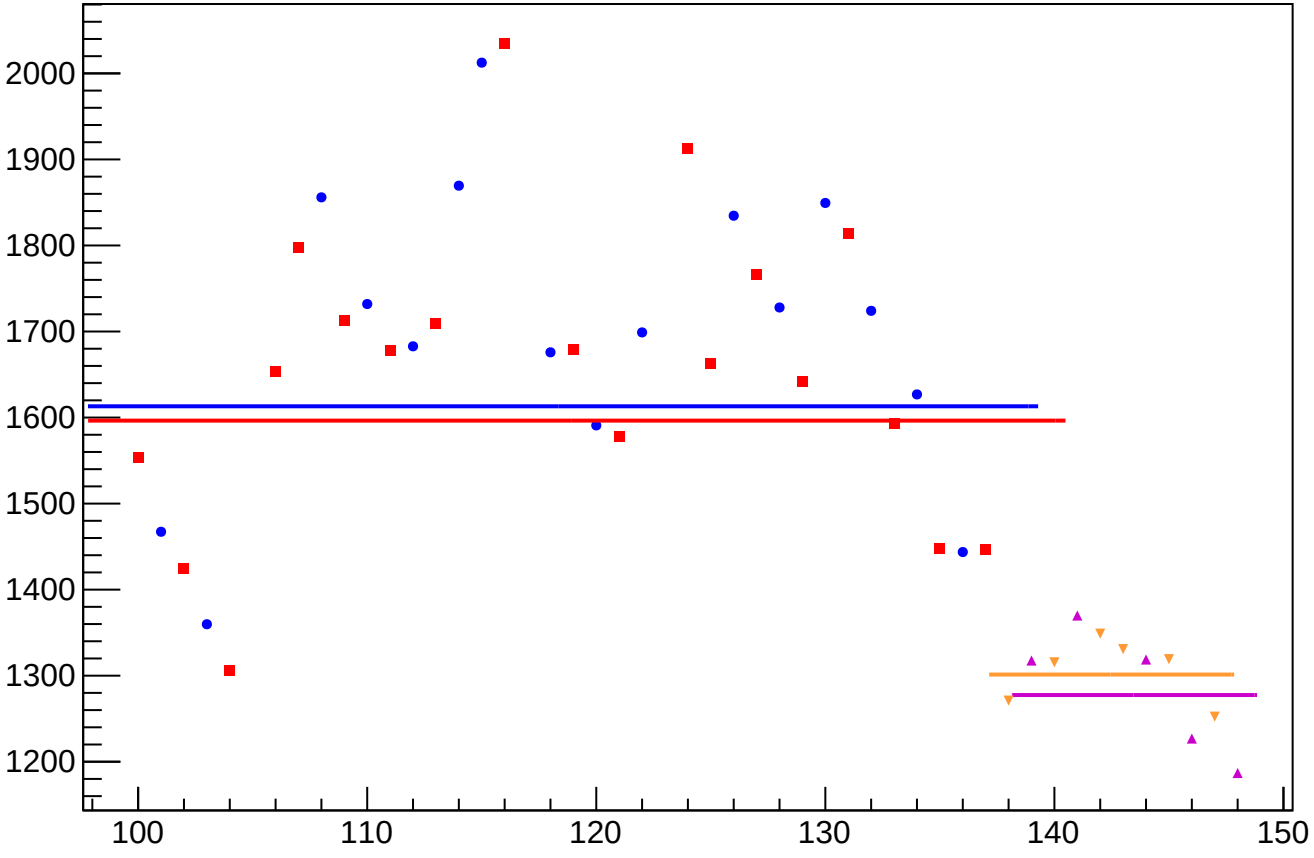
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -22.433+/-0.430 χ^2/NDF:4465.5/20

Out: -12.875+/-0.424 χ^2/NDF:3800.0/24

All: -17.585+/-0.302 χ^2/NDF: 8516.2/45

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1301.298+/-0.433 χ^2/NDF:5794.3/5

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1277.500+/-0.433 χ^2/NDF:24145.9/4

Left: 1289.396+/-0.306 χ^2/NDF: 31448.1/10

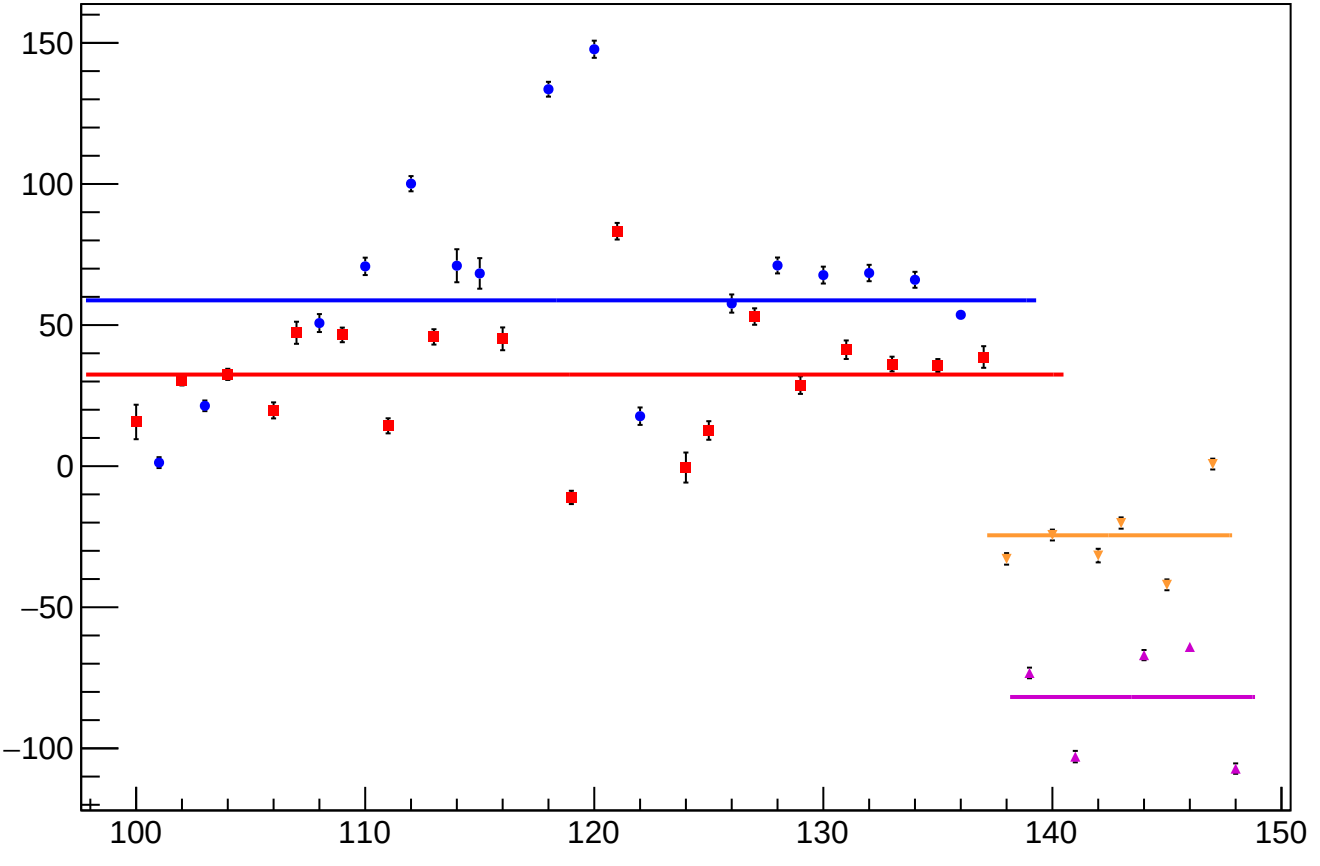
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1447.960+/-0.304 χ^2/NDF:483542.2/20

Out: 1455.400+/-0.300 χ^2/NDF:408660.4/24

All: 1451.733+/-0.213 χ^2/NDF: 892506.6/45

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -24.498+/-0.823 χ^2/NDF:287.7/5

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -81.796+/-0.832 χ^2/NDF:486.5/4

Left: -52.824+/-0.585 χ^2/NDF: 3172.6/10

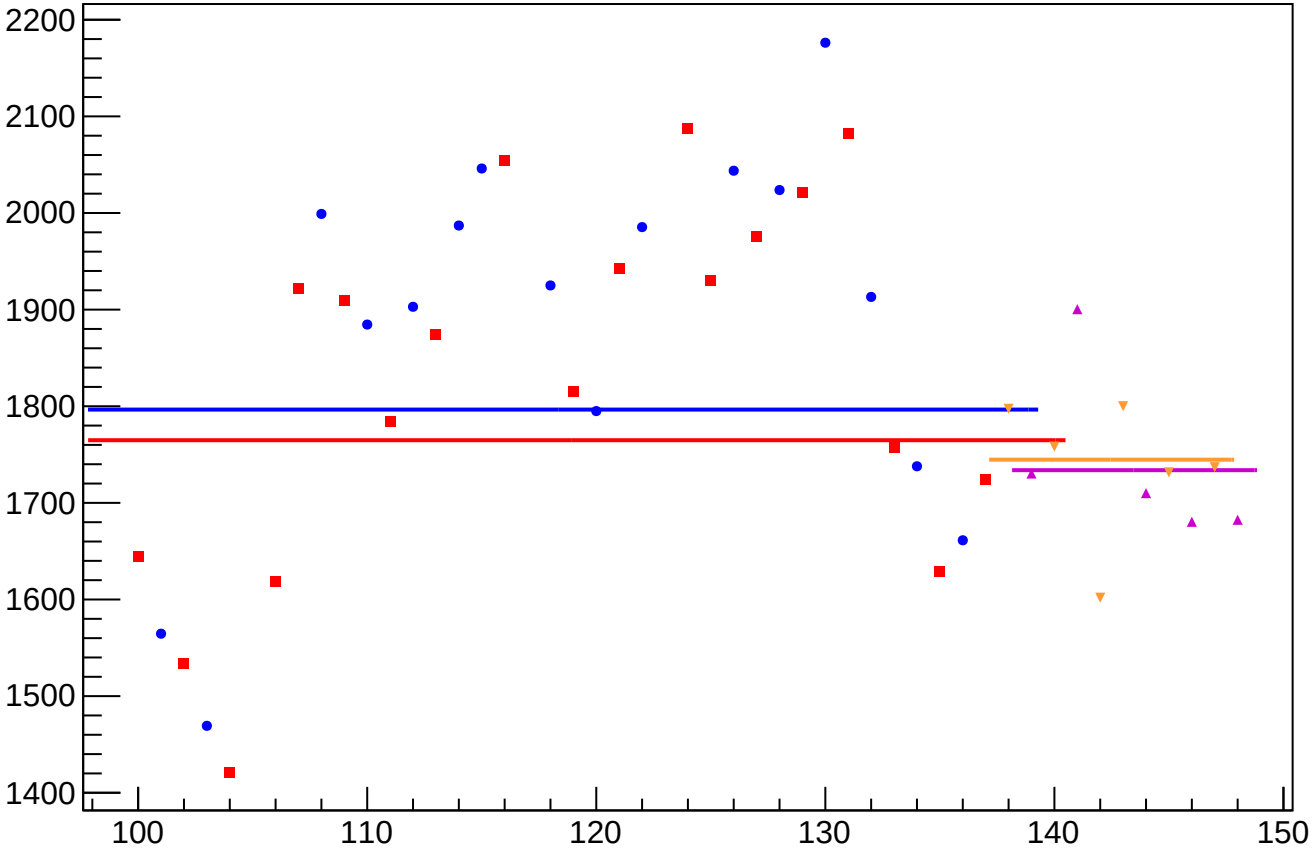
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 3.218+/-0.523 χ^2/NDF:21194.6/20

Out: 10.636+/-0.509 χ^2/NDF:4176.0/24

All: 7.026+/-0.365 χ^2/NDF: 25473.9/45

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1744.701+/-0.582 χ^2/NDF:10098.4/5

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1733.851+/-0.588 χ^2/NDF:17198.5/4

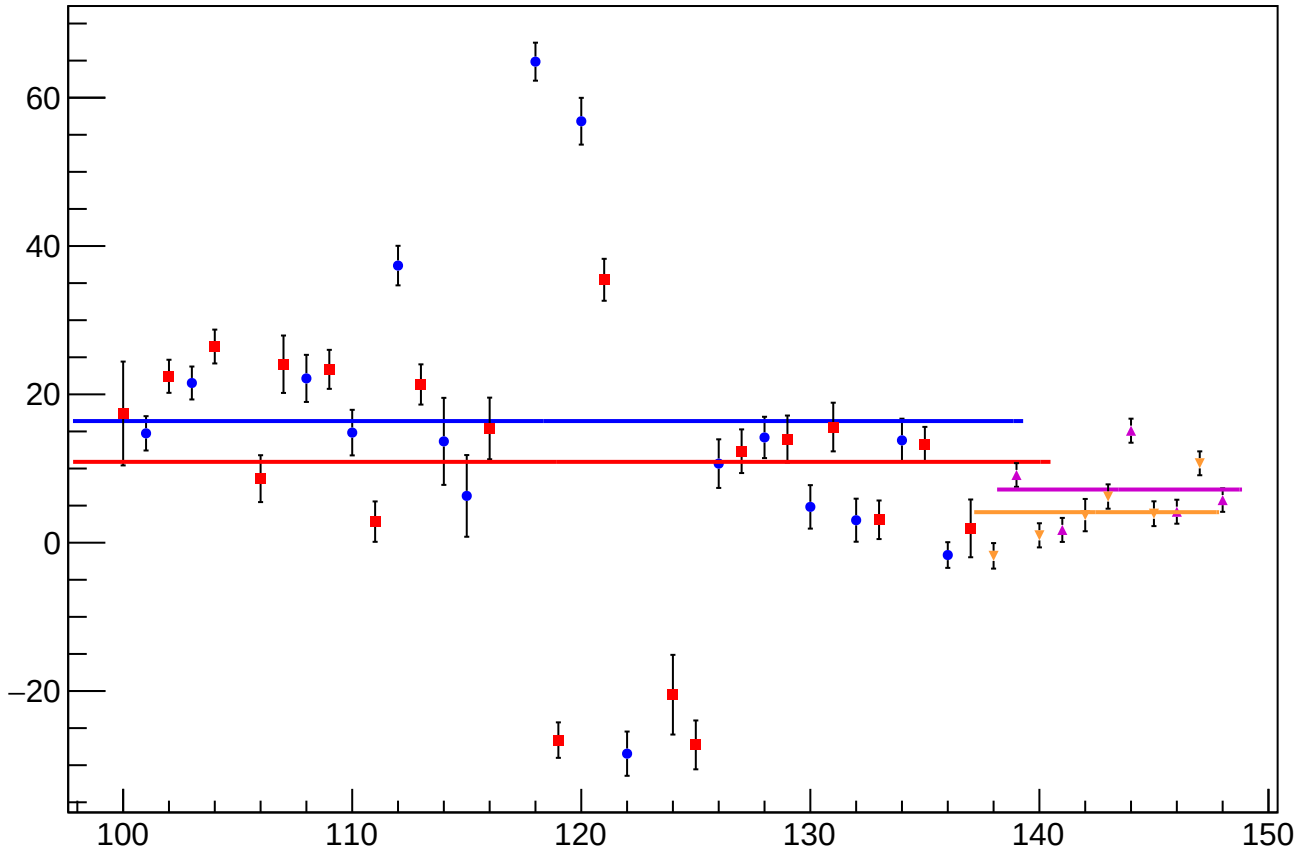
Left: 1739.337+/-0.414 χ^2/NDF: 27468.9/10

Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1771.777+/-0.370 χ^2/NDF:217242.1/20

Out: 1757.134+/-0.360 χ^2/NDF:200827.0/24

All: 1764.261+/-0.258 χ^2/NDF: 418873.9/45



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 4.115+/-0.700 χ^2/NDF:33.8/5

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.169+/-0.719 χ^2/NDF:41.0/4

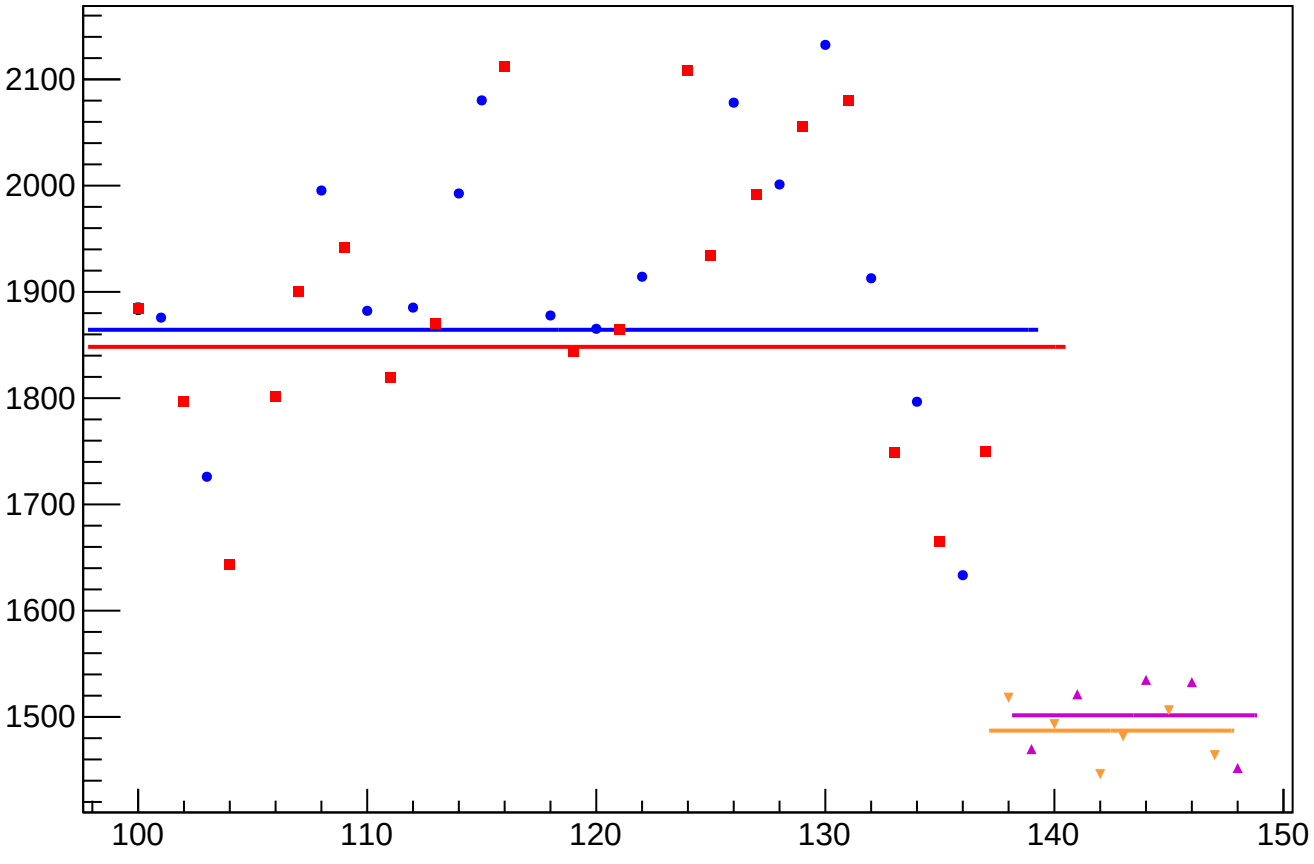
Left: 5.601+/-0.502 χ^2/NDF: 84.1/10

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.941+/-0.500 χ^2/NDF:1099.2/20

Out: 7.624+/-0.486 χ^2/NDF:724.1/24

All: 9.724+/-0.349 χ^2/NDF: 1861.7/45



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1487.132+/-0.495 χ^2/NDF:2078.6/5

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1501.553+/-0.508 χ^2/NDF:4642.2/4

Left: 1494.149+/-0.355 χ^2/NDF: 7134.0/10

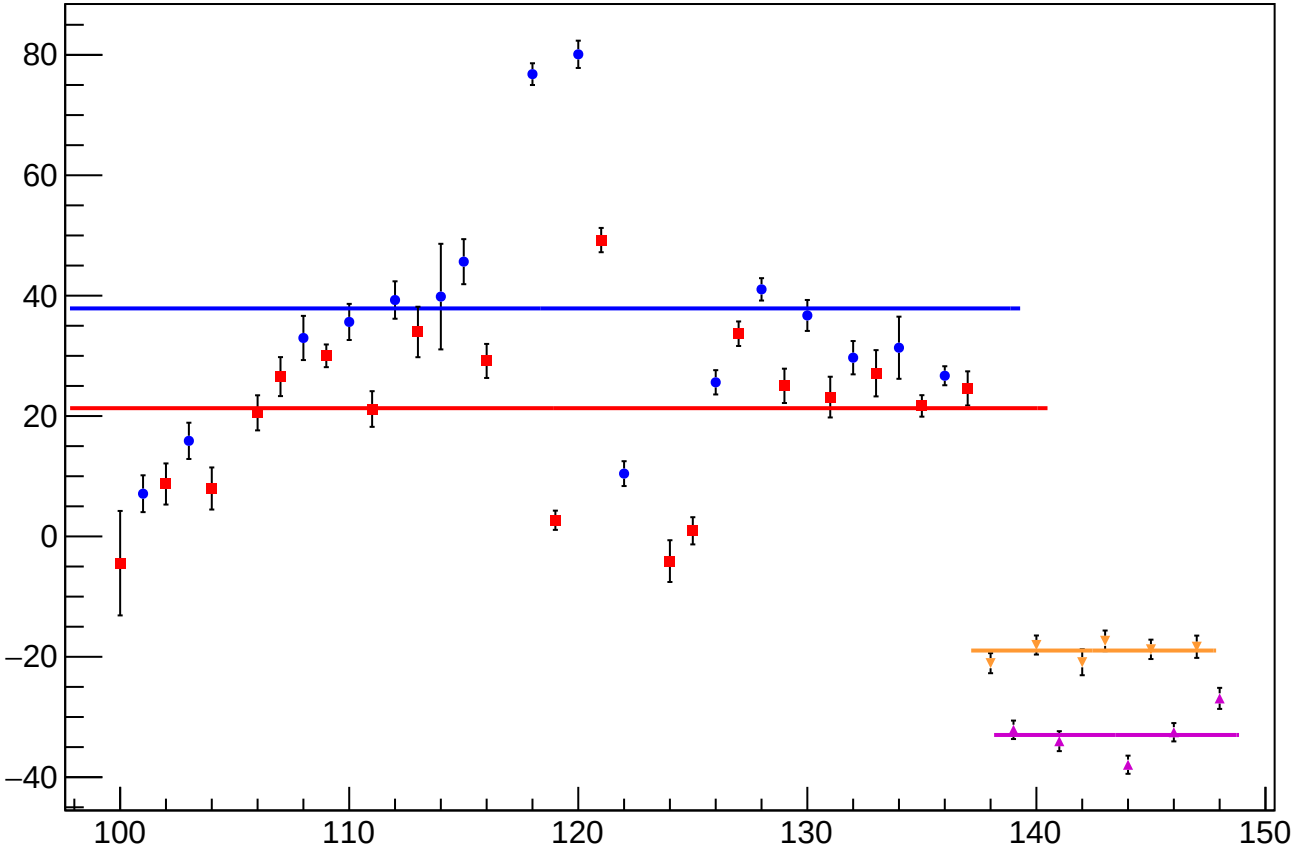
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1689.101+/-0.353 χ^2/NDF:351197.0/20

Out: 1673.913+/-0.344 χ^2/NDF:352440.5/24

All: 1681.301+/-0.246 χ^2/NDF: 704586.5/45

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.958+/-0.708 χ^2/NDF:3.8/5

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -32.985+/-0.709 χ^2/NDF:23.6/4

Left: -25.963+/-0.501 χ^2/NDF: 223.3/10

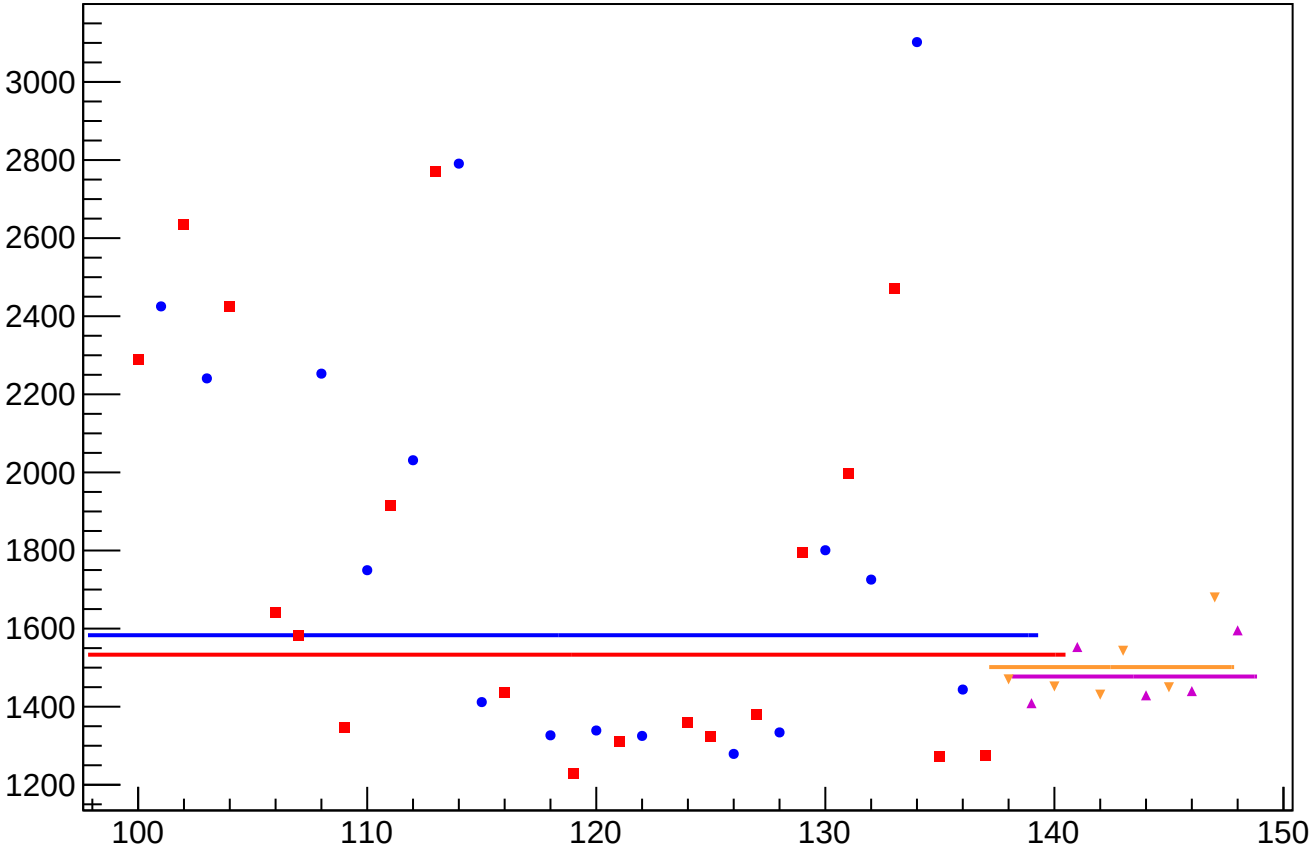
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 7.044+/-0.468 χ^2/NDF:6915.1/20

Out: 4.714+/-0.455 χ^2/NDF:2486.5/24

All: 5.846+/-0.326 χ^2/NDF: 9414.4/45

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1501.438+/-0.501 χ^2/NDF:26662.2/5

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1477.271+/-0.501 χ^2/NDF:20530.7/4

Left: 1489.369+/-0.354 χ^2/NDF: 48355.9/10

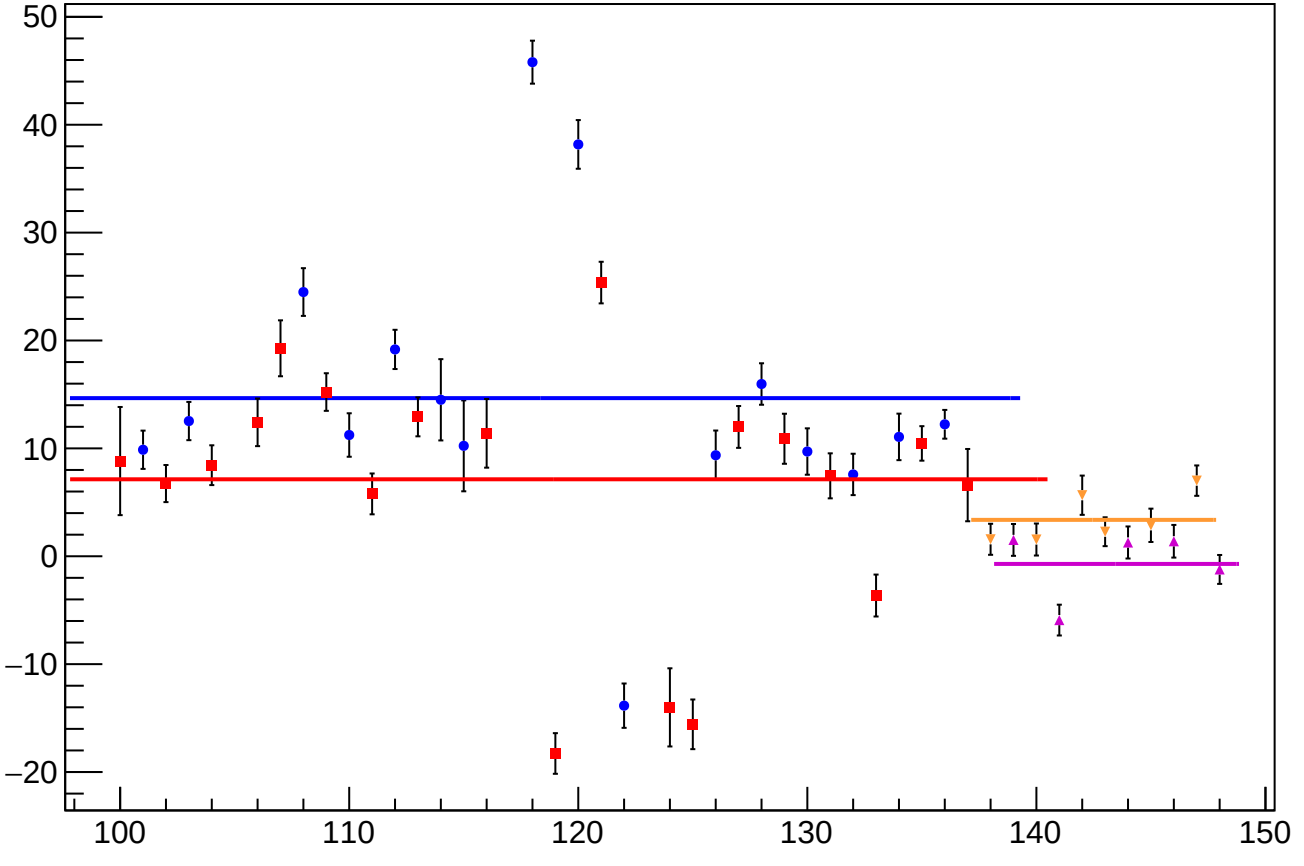
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1537.021+/-0.331 χ^2/NDF:833343.3/20

Out: 1520.106+/-0.321 χ^2/NDF:979802.9/24

All: 1528.323+/-0.231 χ^2/NDF: 1814491.1/45

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.373+/-0.606 χ^2/NDF:12.1/5

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -0.711+/-0.646 χ^2/NDF:19.4/4

Left: 1.462+/-0.442 χ^2/NDF: 52.8/10

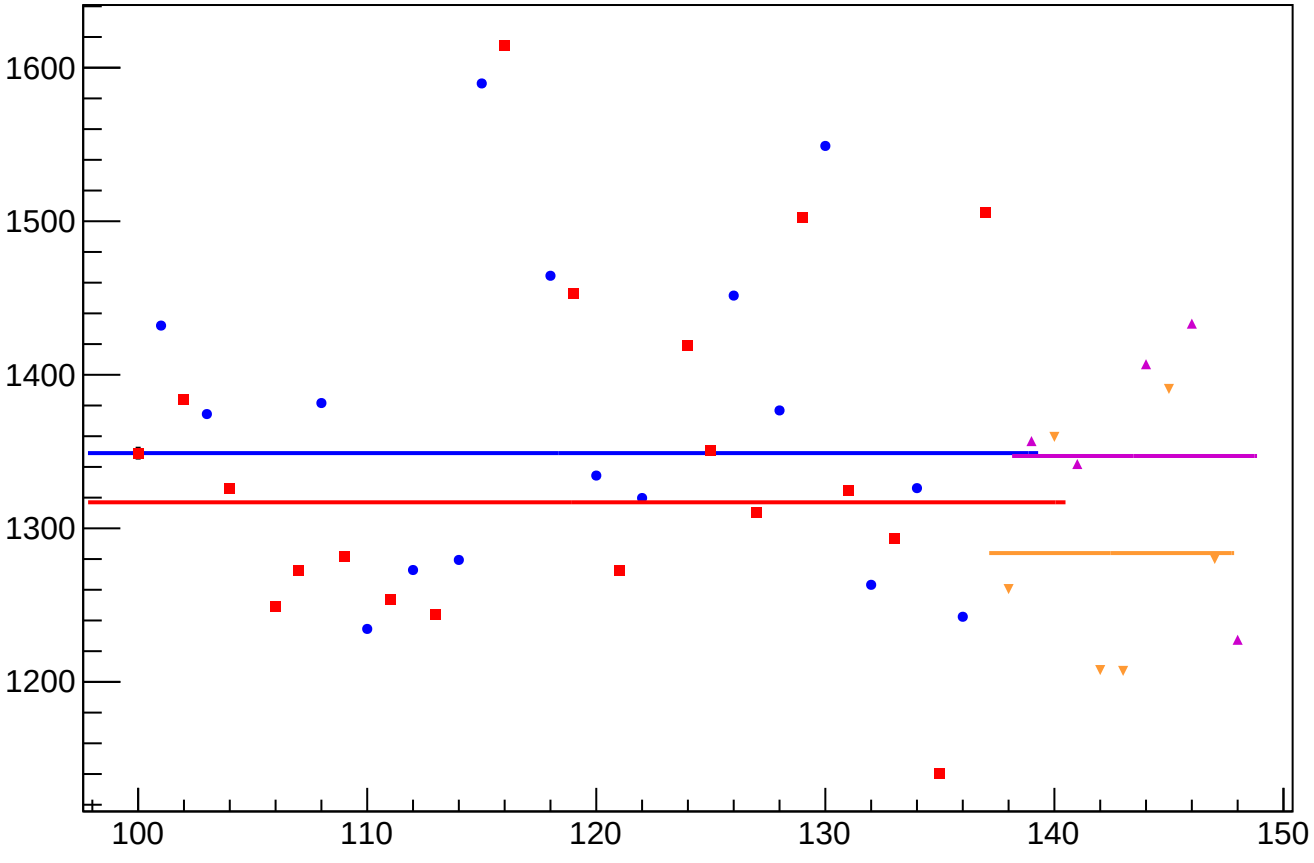
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 8.837+/-0.398 χ^2/NDF:985.7/20

Out: 5.673+/-0.378 χ^2/NDF:545.1/24

All: 7.174+/-0.274 χ^2/NDF: 1564.0/45

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1283.895+/-0.429 χ^2/NDF:25421.1/5

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1347.123+/-0.457 χ^2/NDF:25771.5/4

Left: 1313.490+/-0.313 χ^2/NDF: 61379.2/10

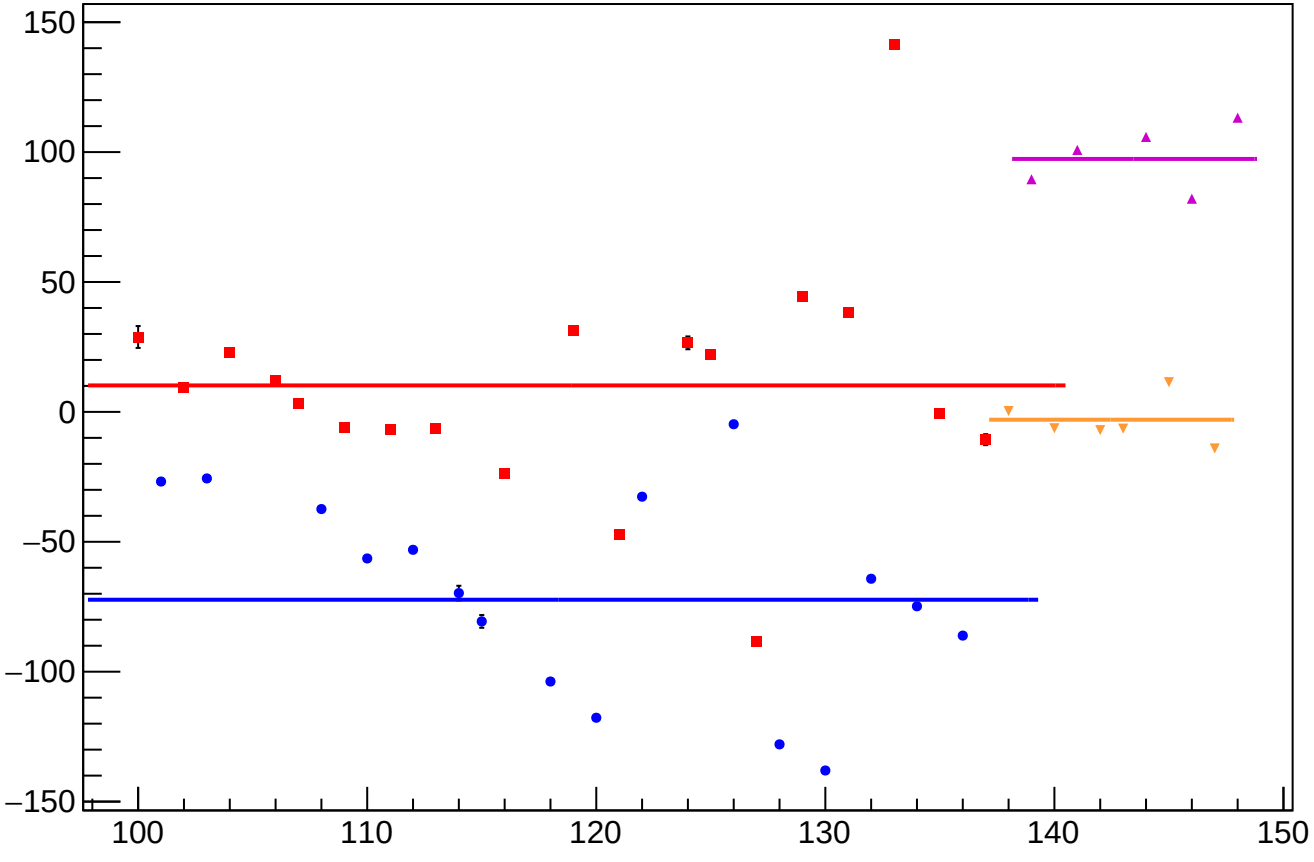
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1348.289+/-0.281 χ^2/NDF:94165.8/20

Out: 1304.113+/-0.267 χ^2/NDF:115934.0/24

All: 1325.072+/-0.194 χ^2/NDF: 223072.4/45

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -3.006+/-0.447 χ^2/NDF:325.8/5

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 97.366+/-0.459 χ^2/NDF:554.5/4

Left: 45.820+/-0.320 χ^2/NDF: 25456.5/10

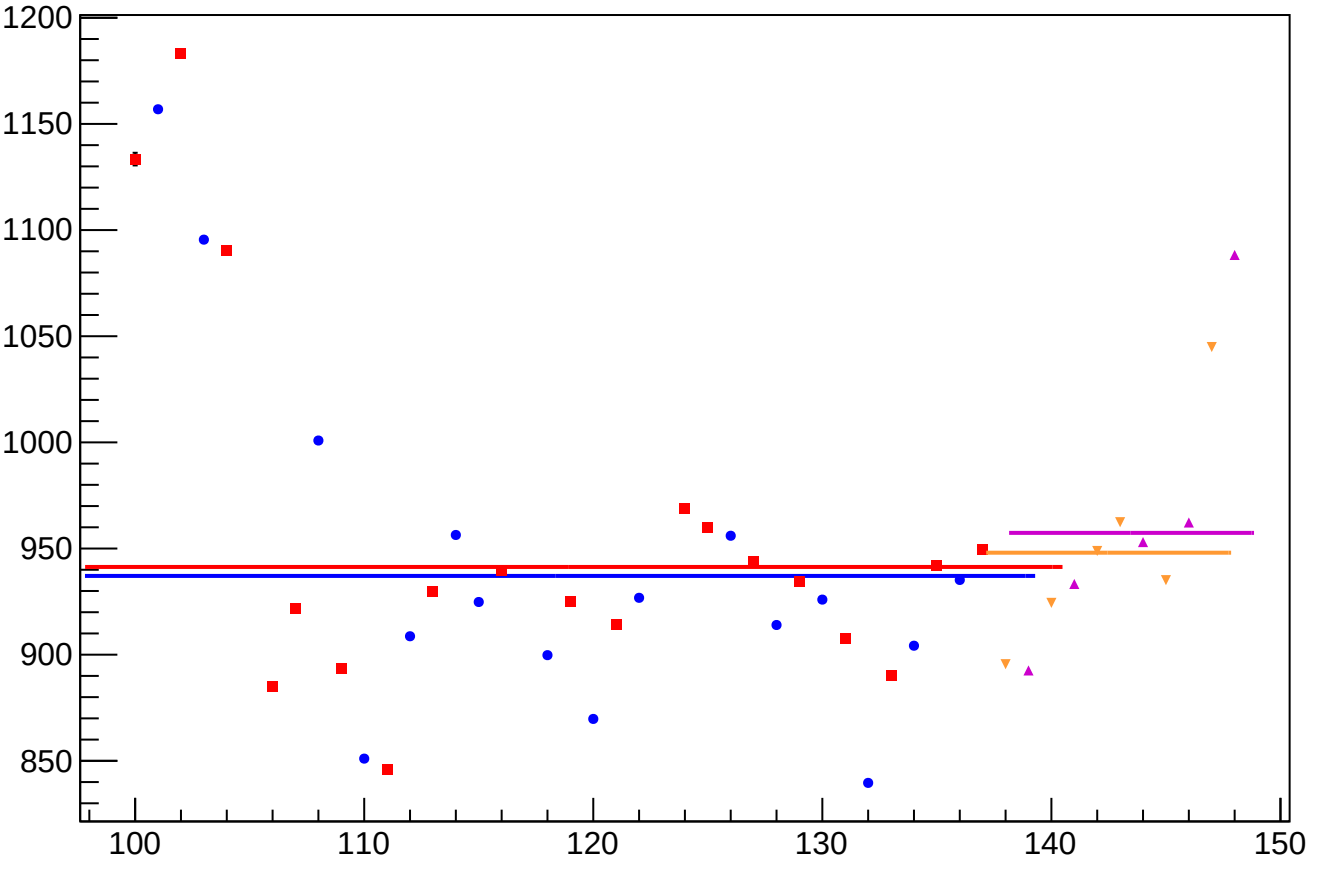
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -10.014+/-0.278 χ^2/NDF:99252.5/20

Out: 5.265+/-0.273 χ^2/NDF:19918.9/24

All: -2.230+/-0.195 χ^2/NDF: 120710.5/45

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 948.035+/-0.316 χ^2/NDF:21348.7/5

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 957.372+/-0.324 χ^2/NDF:34477.7/4

Left: 952.577+/-0.226 χ^2/NDF: 56251.8/10

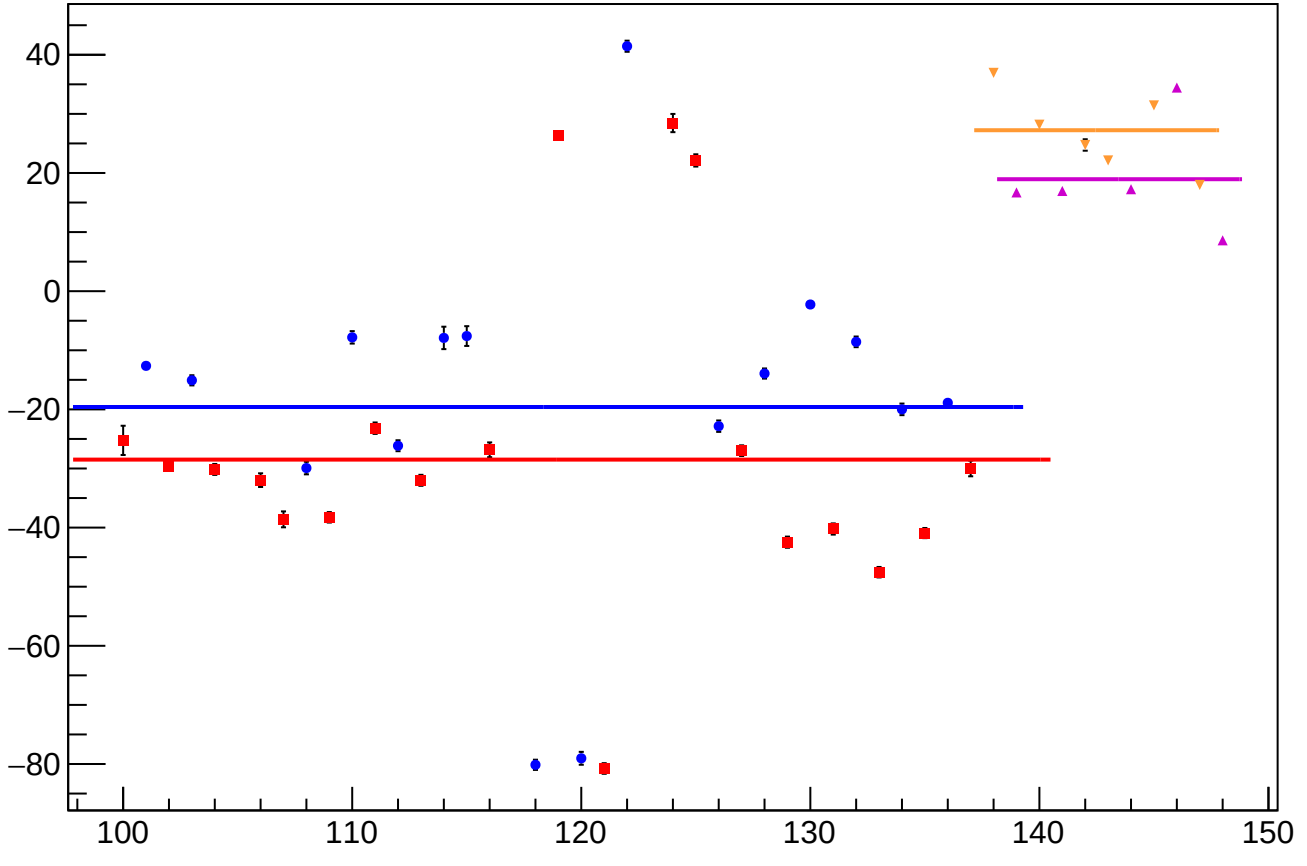
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 944.541+/-0.197 χ^2/NDF:141609.7/20

Out: 943.828+/-0.193 χ^2/NDF:122663.2/24

All: 944.177+/-0.138 χ^2/NDF: 264279.6/45

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 27.234+/-0.306 χ^2/NDF:426.4/5

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 18.947+/-0.319 χ^2/NDF:659.6/4

Left: 23.261+/-0.221 χ^2/NDF: 1438.2/10

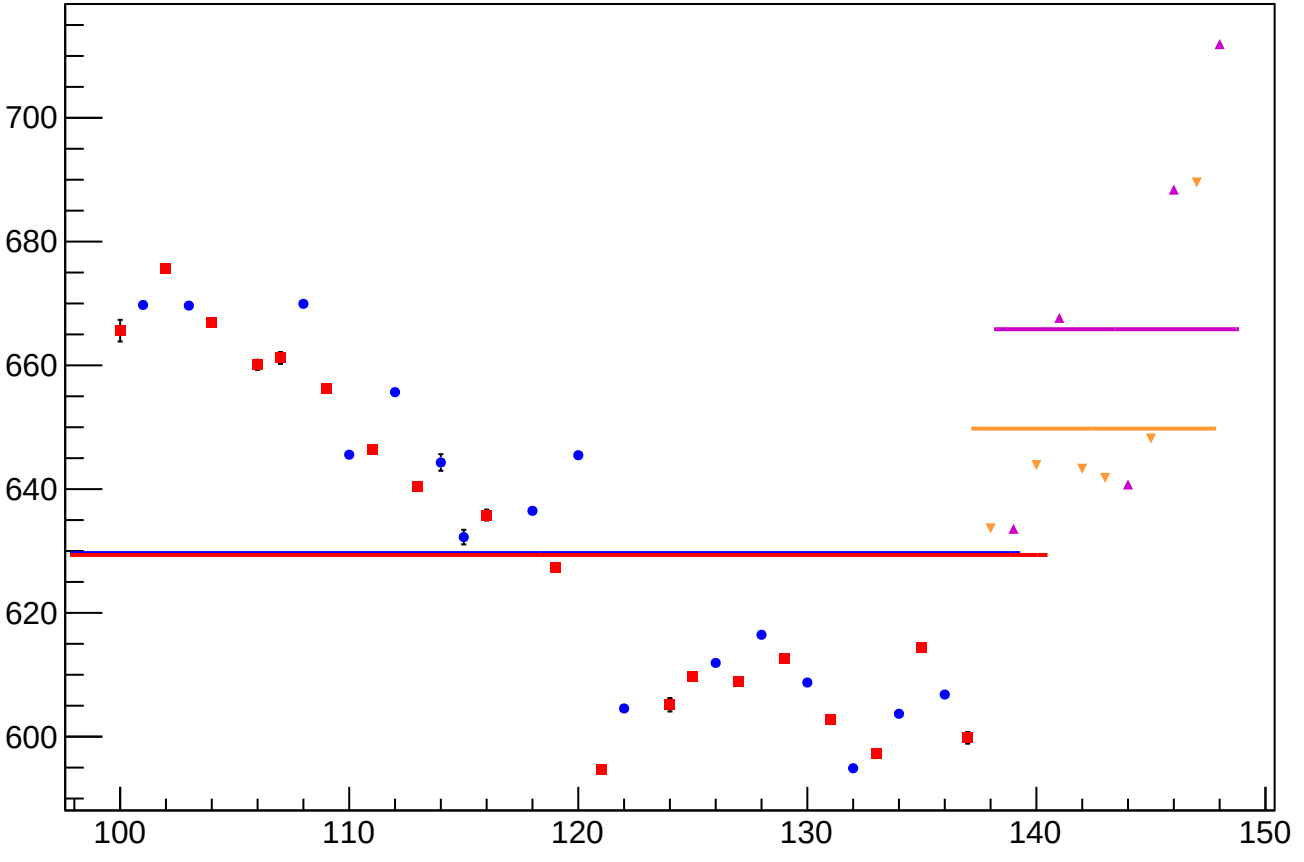
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -6.089+/-0.189 χ^2/NDF:23333.4/20

Out: -8.392+/-0.184 χ^2/NDF:34636.5/24

All: -7.272+/-0.132 χ^2/NDF: 58046.5/45

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 649.780+/-0.216 χ^2/NDF:7008.6/5

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 665.840+/-0.225 χ^2/NDF:16143.1/4

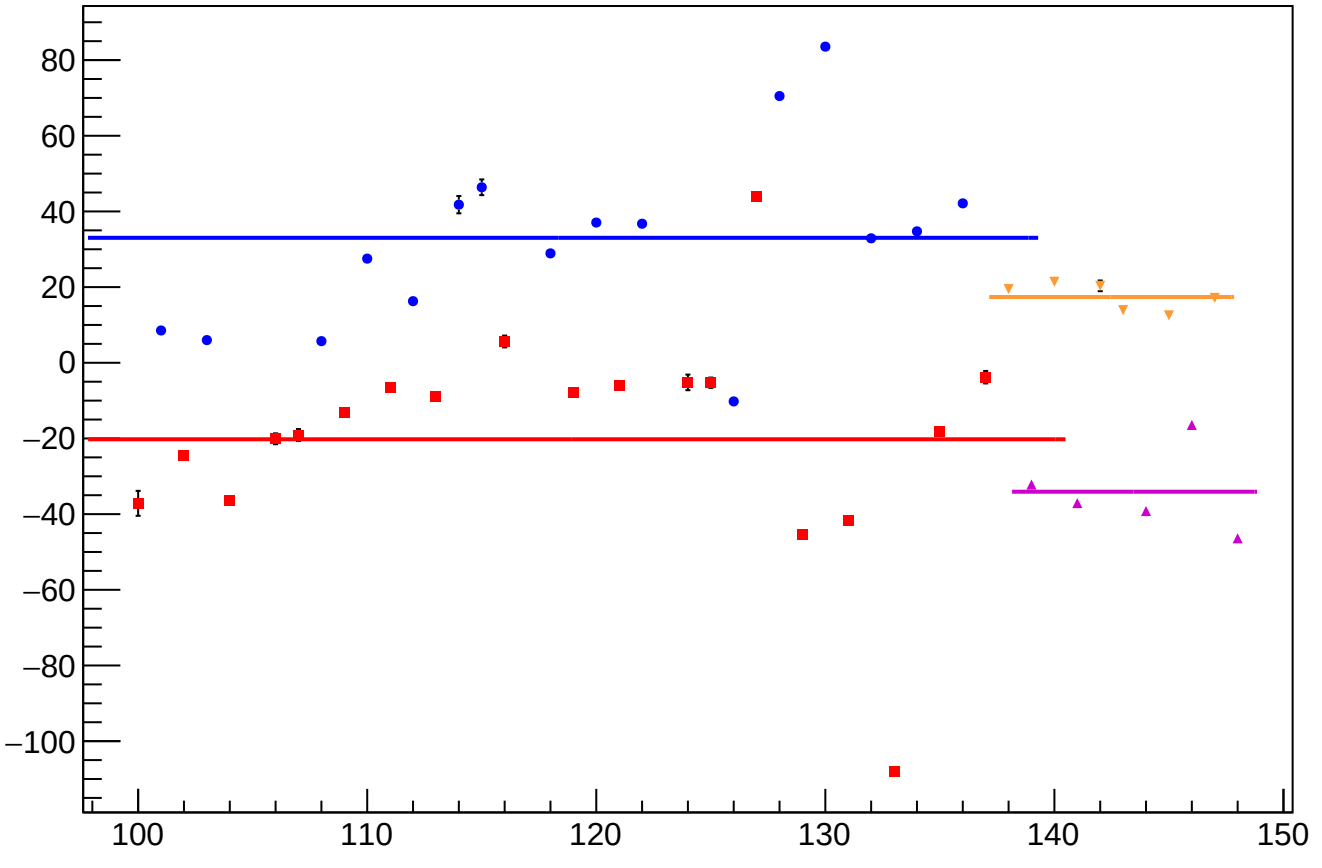
Left: 657.479+/-0.156 χ^2/NDF: 25796.8/10

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 642.340+/-0.133 χ^2/NDF:58206.7/20

Out: 636.727+/-0.130 χ^2/NDF:39502.0/24

All: 639.458+/-0.093 χ^2/NDF: 98617.8/45



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.378+/-0.466 χ^2/NDF:50.8/5

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -34.076+/-0.476 χ^2/NDF:422.7/4

Left: -7.838+/-0.333 χ^2/NDF: 6437.2/10

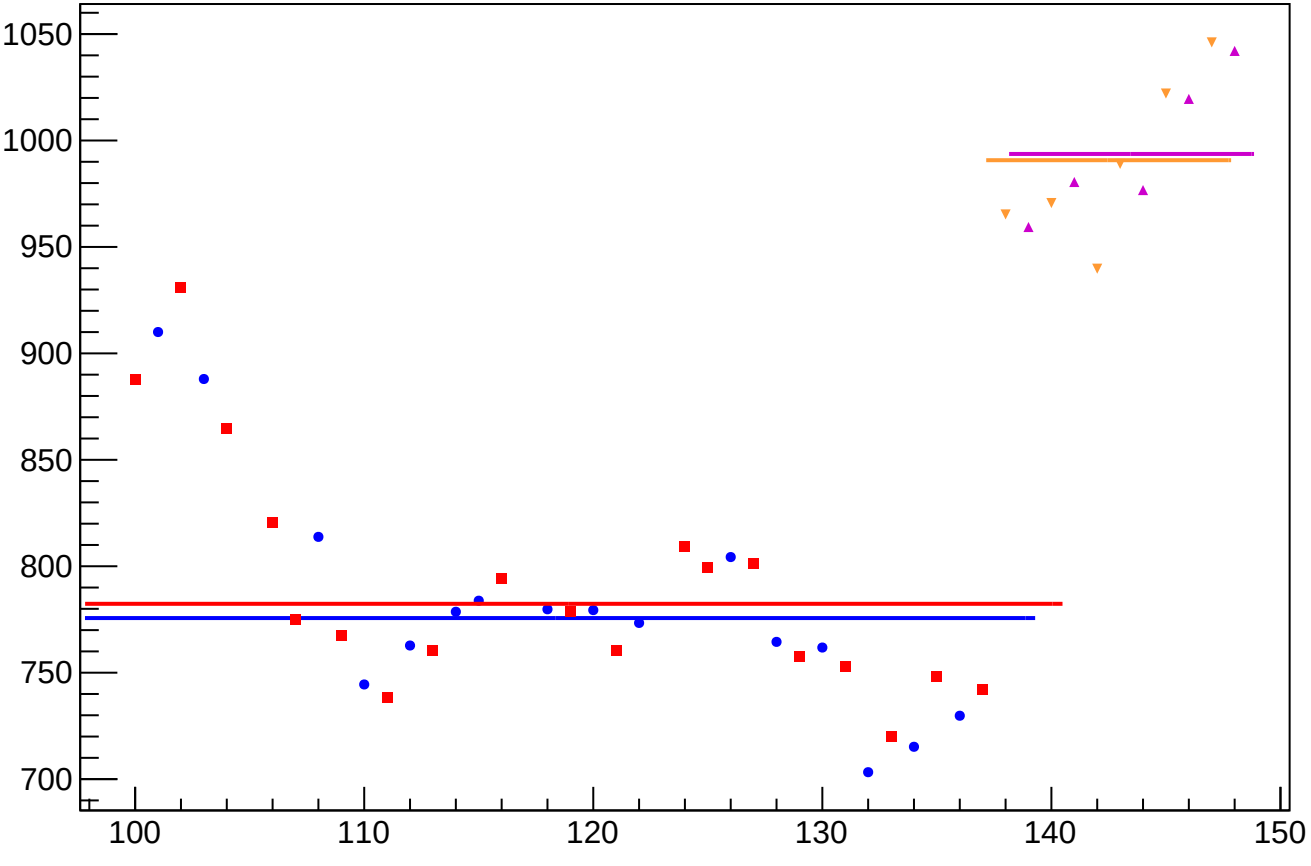
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 14.955+/-0.247 χ^2/NDF:21658.0/20

Out: -9.945+/-0.244 χ^2/NDF:16641.8/24

All: 2.345+/-0.173 χ^2/NDF: 43448.9/45

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 990.747+/-0.330 χ^2/NDF:10558.9/5

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 993.682+/-0.336 χ^2/NDF:7790.8/4

Left: 992.185+/-0.236 χ^2/NDF: 18388.5/10

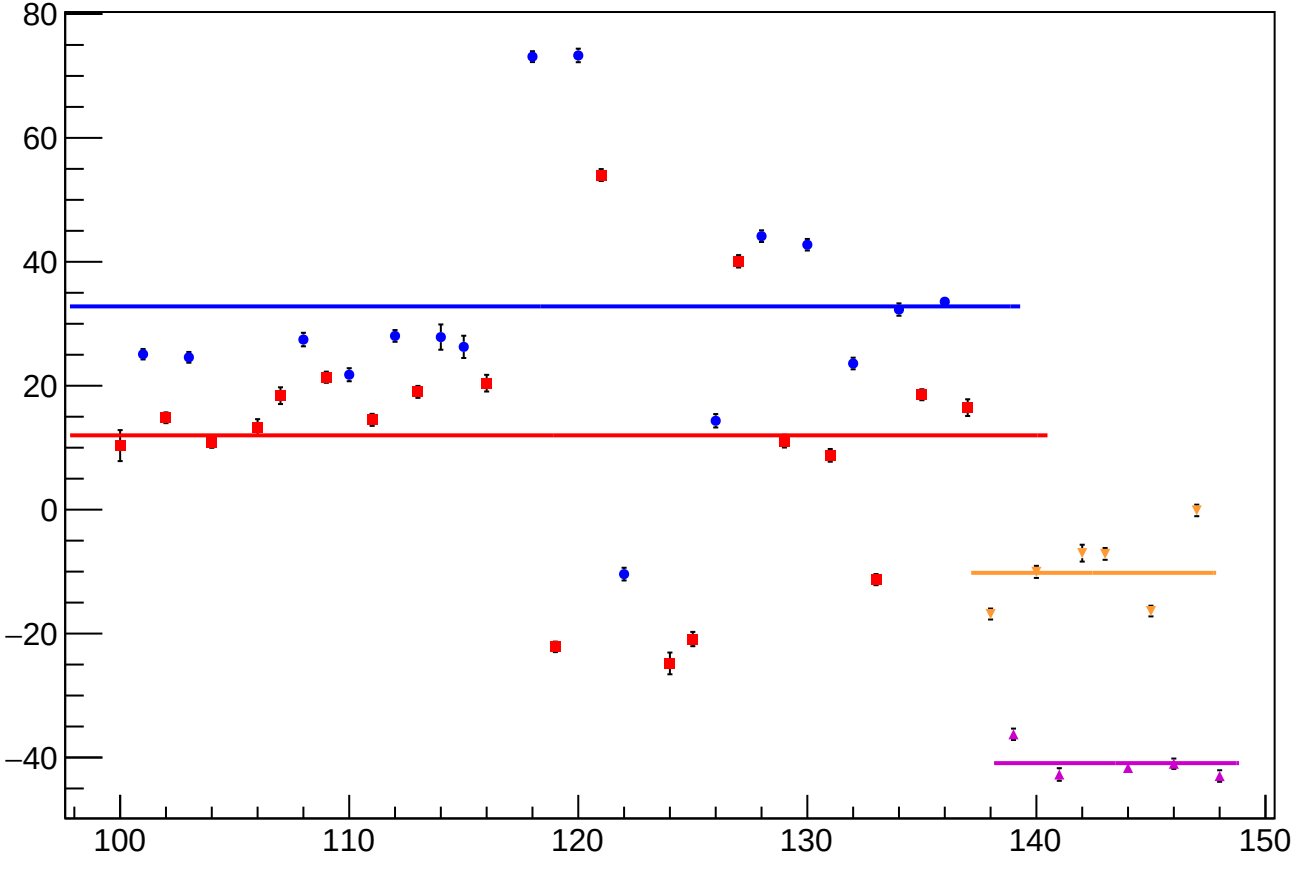
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 834.395+/-0.175 χ^2/NDF:389263.8/20

Out: 839.287+/-0.172 χ^2/NDF:365280.9/24

All: 836.872+/-0.123 χ^2/NDF: 754942.1/45

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.196+/-0.393 χ^2/NDF:240.0/5

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -40.910+/-0.400 χ^2/NDF:34.6/4

Left: -25.294+/-0.280 χ^2/NDF: 3271.6/10

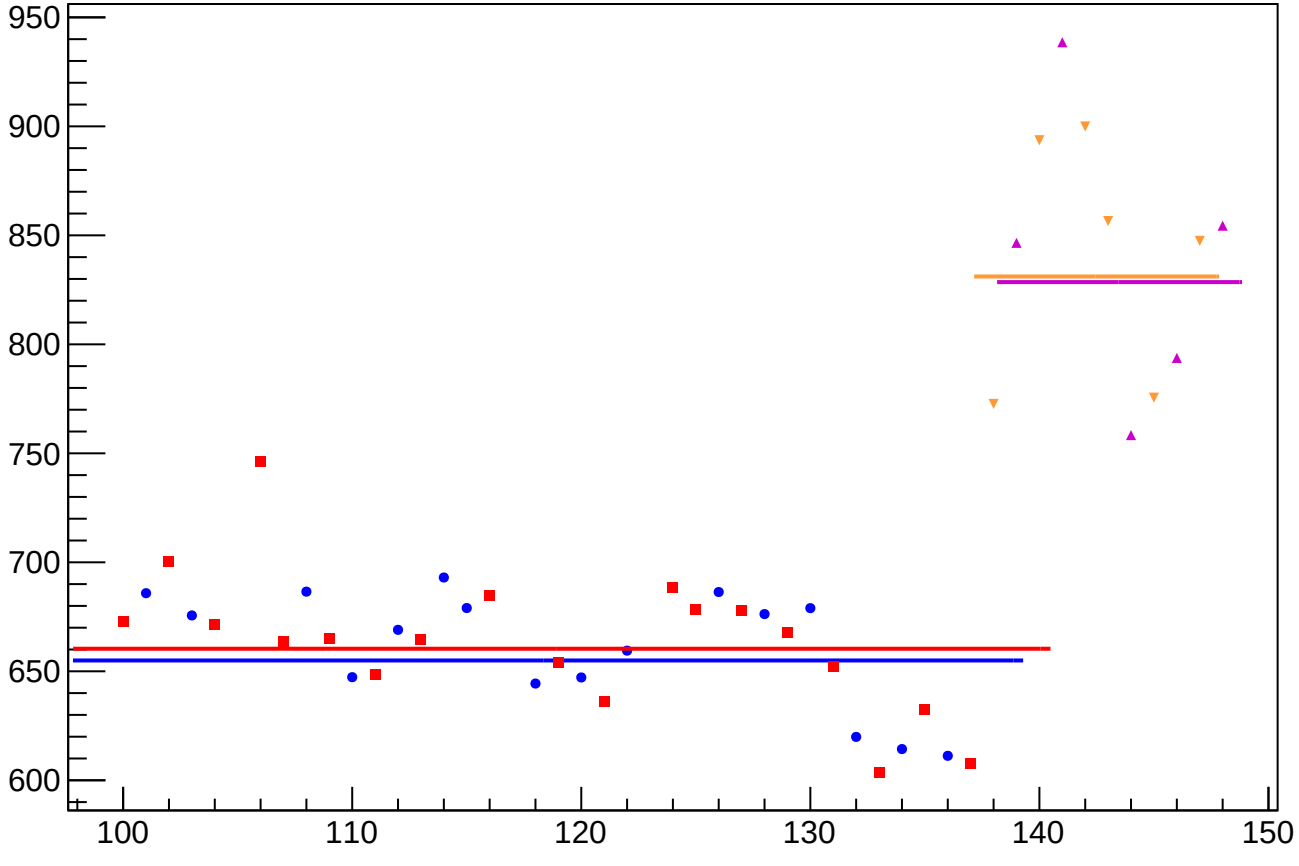
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 12.873+/-0.208 χ^2/NDF:31068.0/20

Out: 5.933+/-0.206 χ^2/NDF:9112.9/24

All: 9.362+/-0.146 χ^2/NDF: 40744.2/45

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 831.124+/-0.278 χ^2/NDF:32415.9/5

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 828.553+/-0.283 χ^2/NDF:44173.2/4

Left: 829.860+/-0.198 χ^2/NDF: 76631.2/10

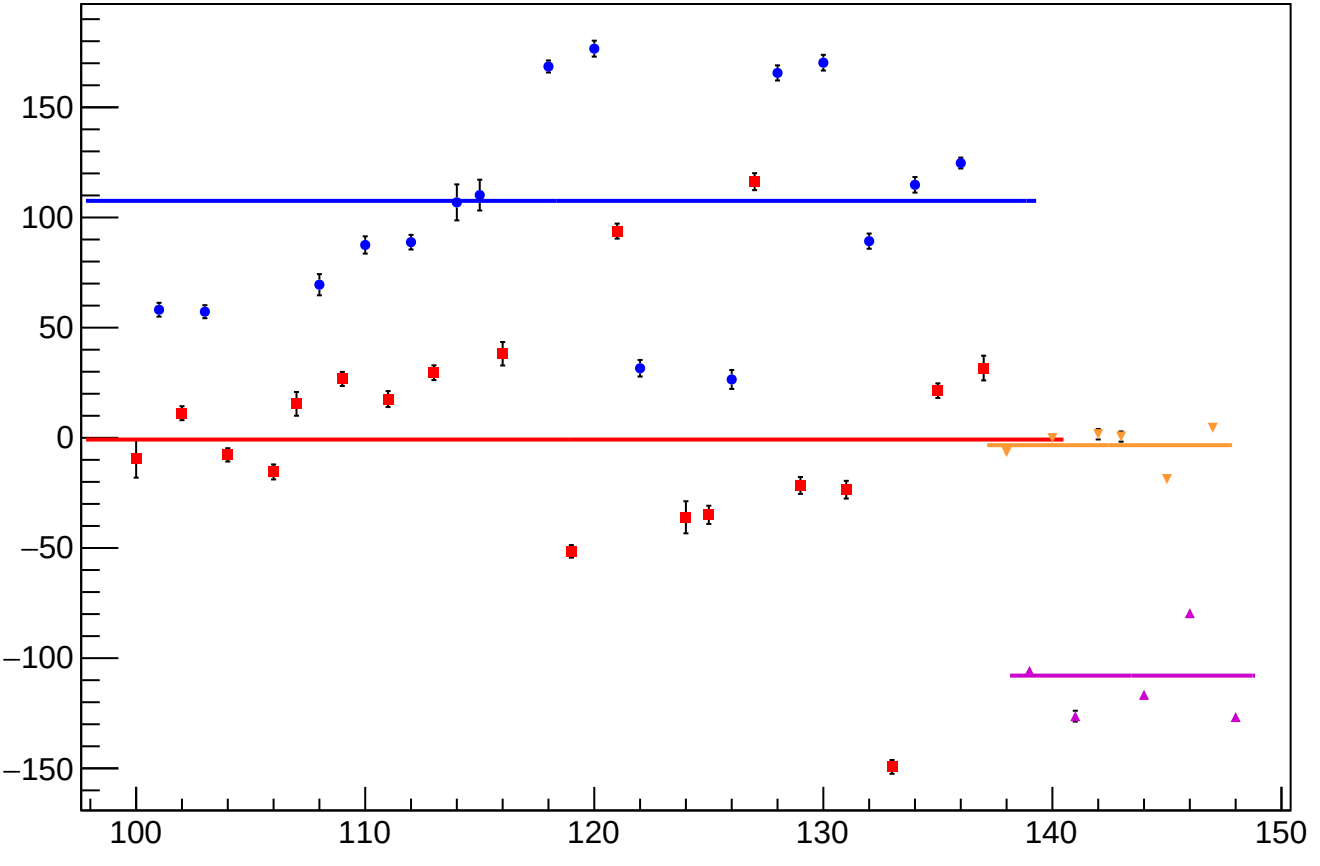
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 701.902+/-0.147 χ^2/NDF:345675.2/20

Out: 706.998+/-0.145 χ^2/NDF:336828.2/24

All: 704.480+/-0.103 χ^2/NDF: 683110.7/45

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -3.336+/-0.868 χ^2/NDF:91.1/5

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -107.921+/-0.849 χ^2/NDF:487.1/4

Left: -56.756+/-0.607 χ^2/NDF: 7997.2/10

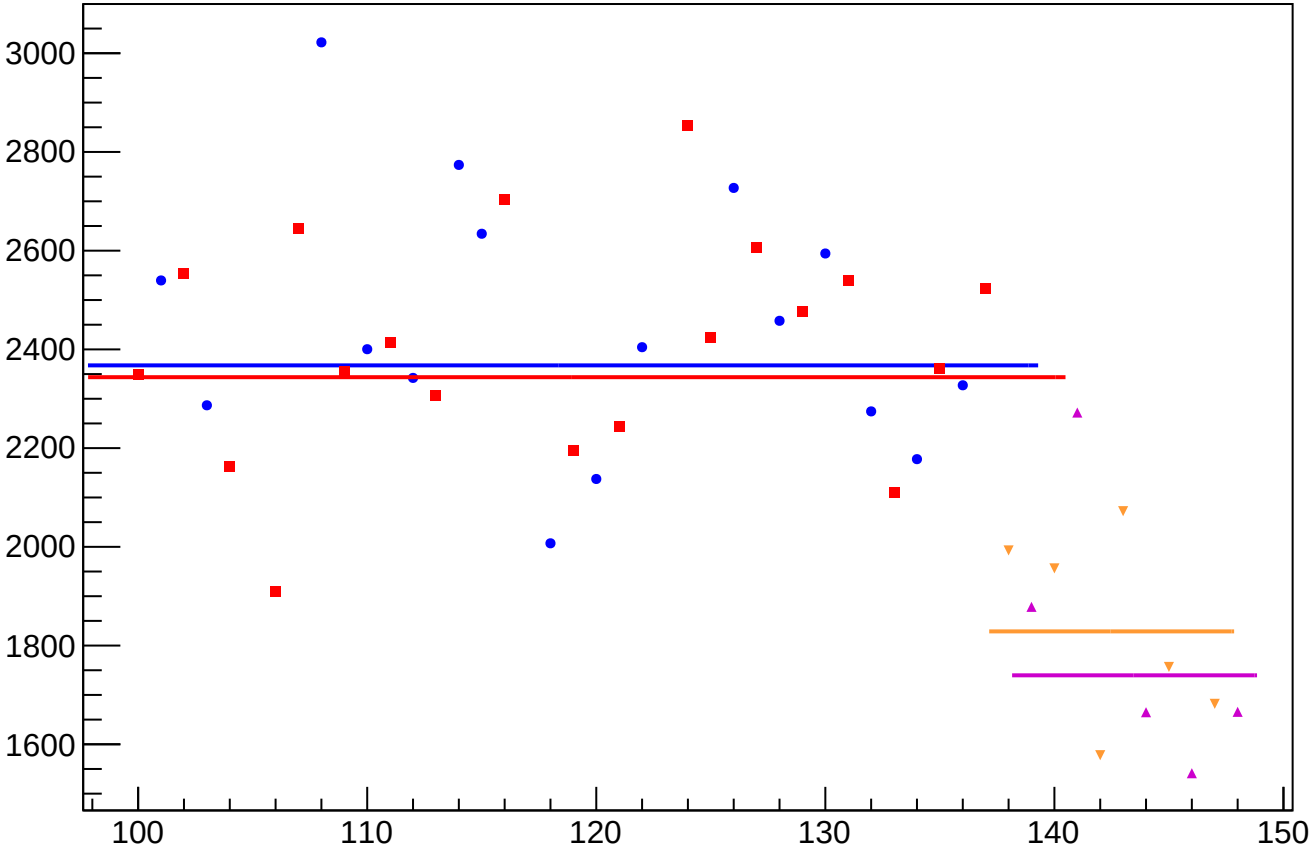
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -4.665+/-0.613 χ^2/NDF:34289.7/20

Out: -2.052+/-0.611 χ^2/NDF:4859.3/24

All: -3.355+/-0.433 χ^2/NDF: 39158.1/45

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1828.713+/-0.614 χ^2/NDF:77499.7/5

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1739.721+/-0.601 χ^2/NDF:138705.9/4

Left: 1783.258+/-0.429 χ^2/NDF: 226949.1/10

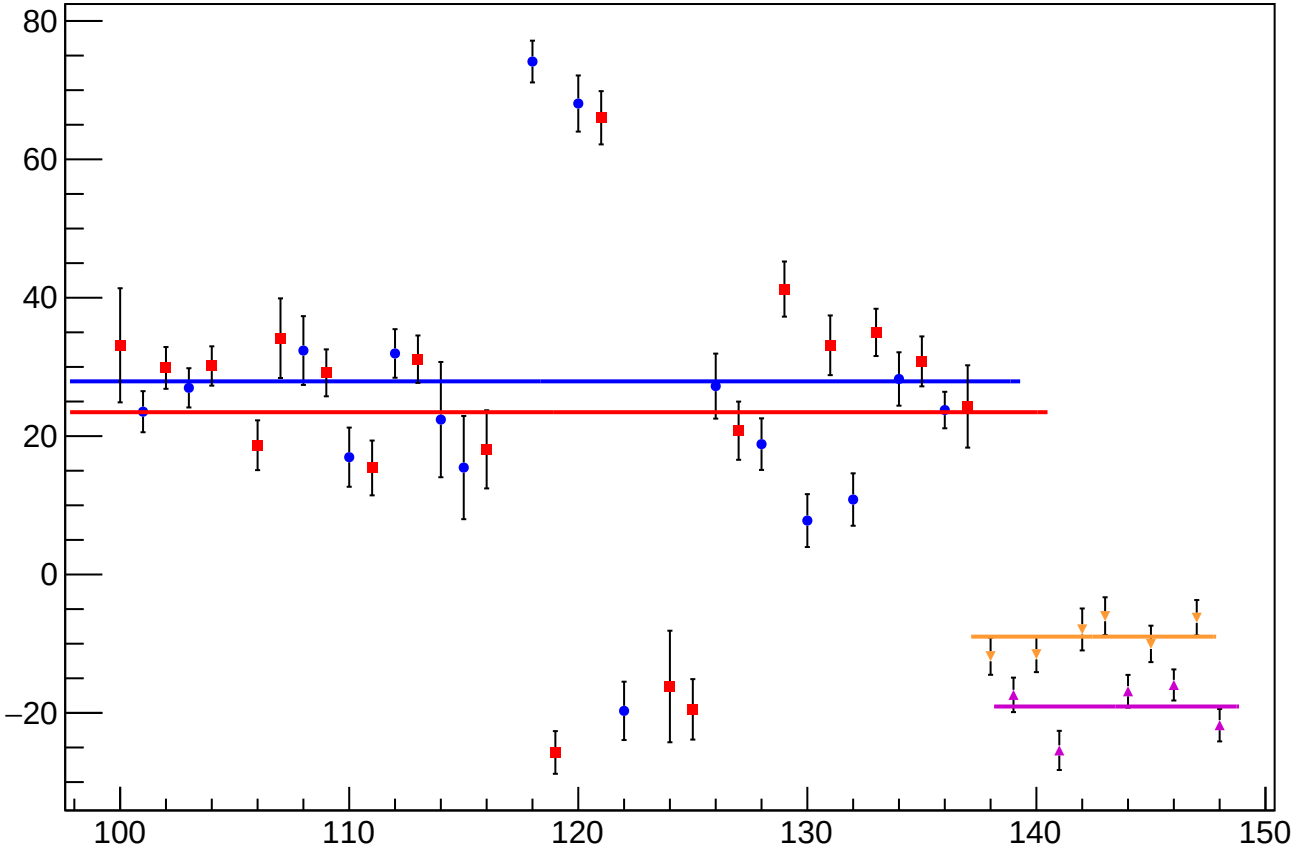
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2040.626+/-0.433 χ^2/NDF:789393.9/20

Out: 2088.284+/-0.432 χ^2/NDF:544799.5/24

All: 2064.522+/-0.306 χ^2/NDF: 1340257.3/45

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.980+/-1.099 χ^2/NDF:4.7/5

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -19.077+/-1.088 χ^2/NDF:9.6/4

Left: -14.080+/-0.773 χ^2/NDF: 56.9/10

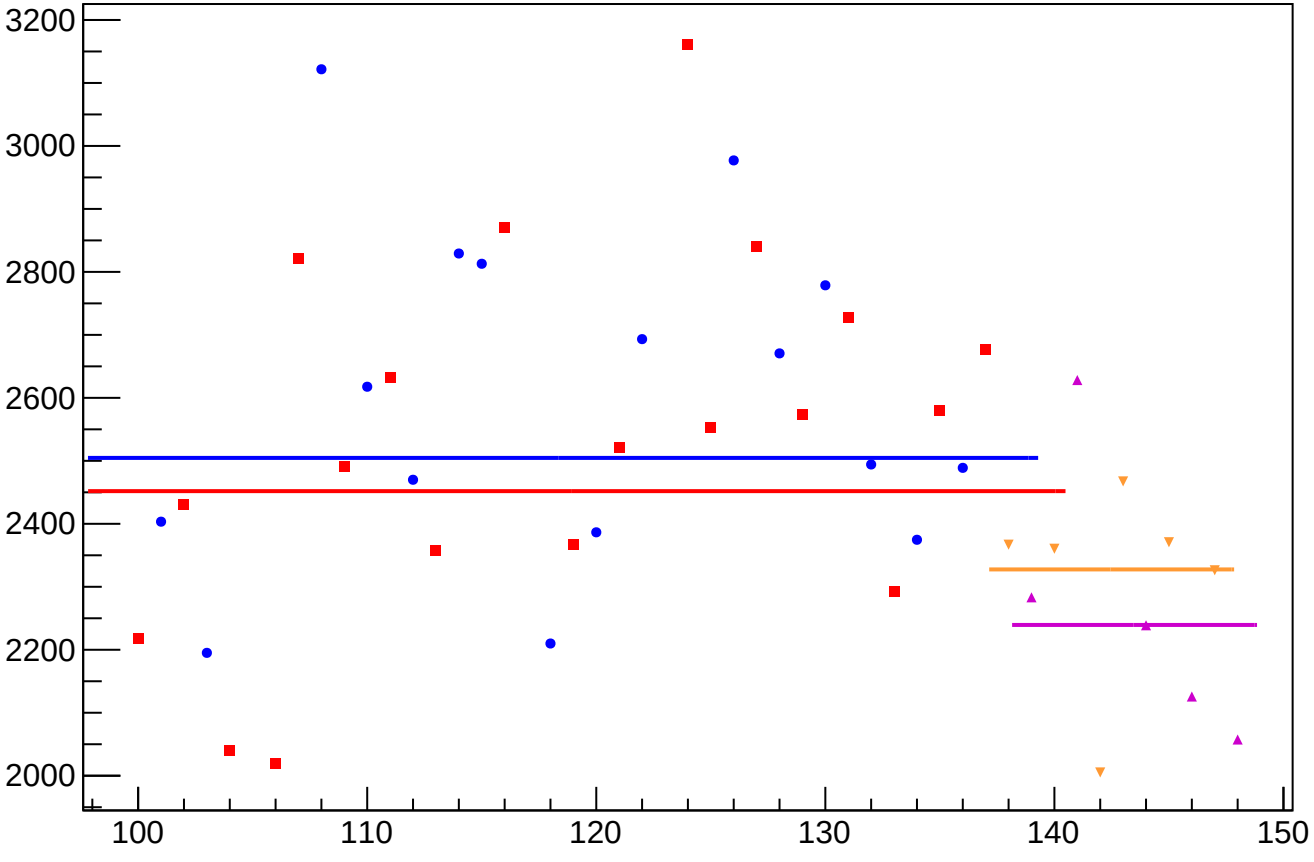
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 7.910+/-0.710 χ^2/NDF:1611.6/20

Out: 10.393+/-0.698 χ^2/NDF:1092.7/24

All: 9.173+/-0.498 χ^2/NDF: 2710.6/45

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2327.567+/-0.777 χ^2/NDF:29139.9/5

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2239.414+/-0.769 χ^2/NDF:55550.1/4

Left: 2283.042+/-0.547 χ^2/NDF: 91188.0/10

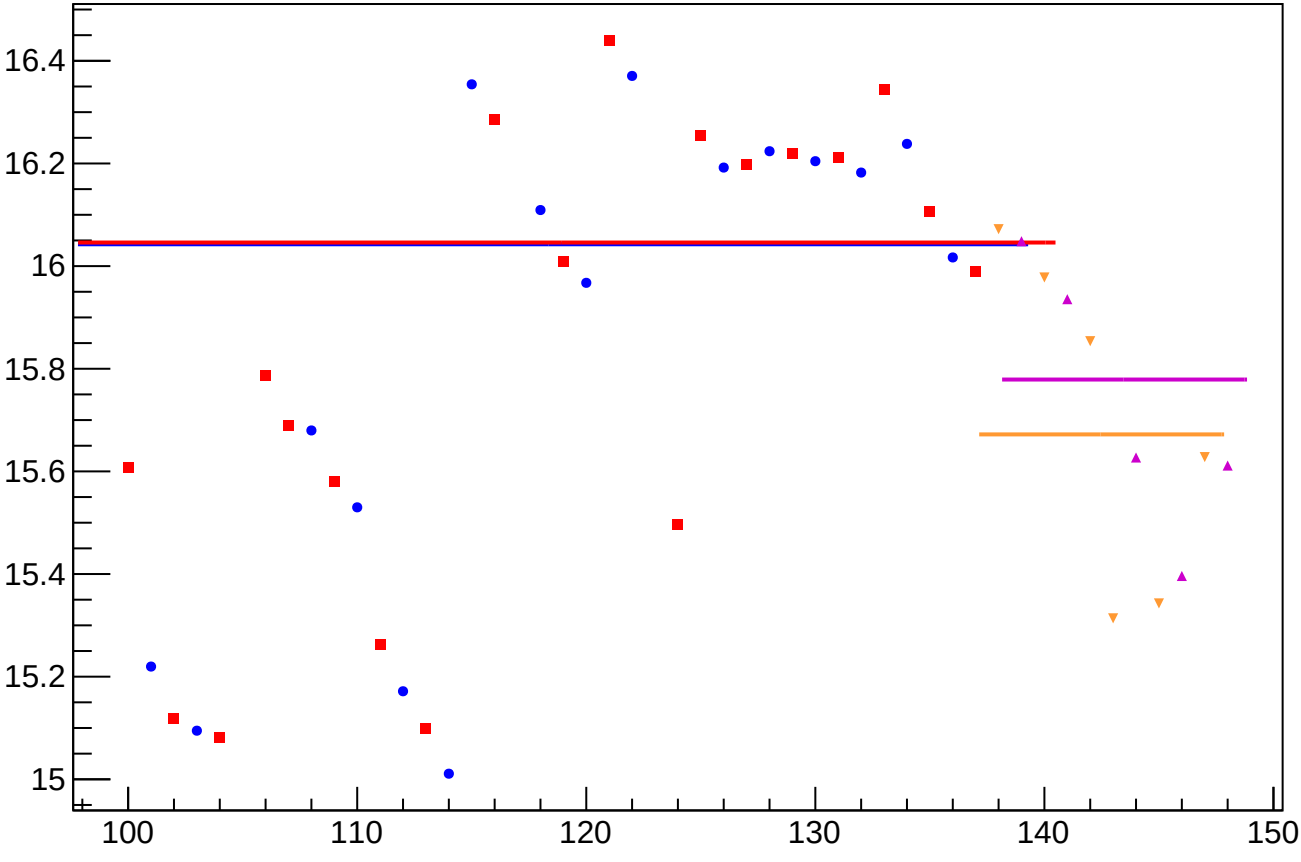
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2391.736+/-0.502 χ^2/NDF:250410.4/20

Out: 2401.811+/-0.493 χ^2/NDF:197656.1/24

All: 2396.862+/-0.352 χ^2/NDF: 448271.5/45

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.672+/-0.000 χ^2/NDF:4243597580.2/5

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.779+/-0.000 χ^2/NDF:1544173224.1/4

Left: 15.718+/-0.000 χ^2/NDF: 5986619153.5/10

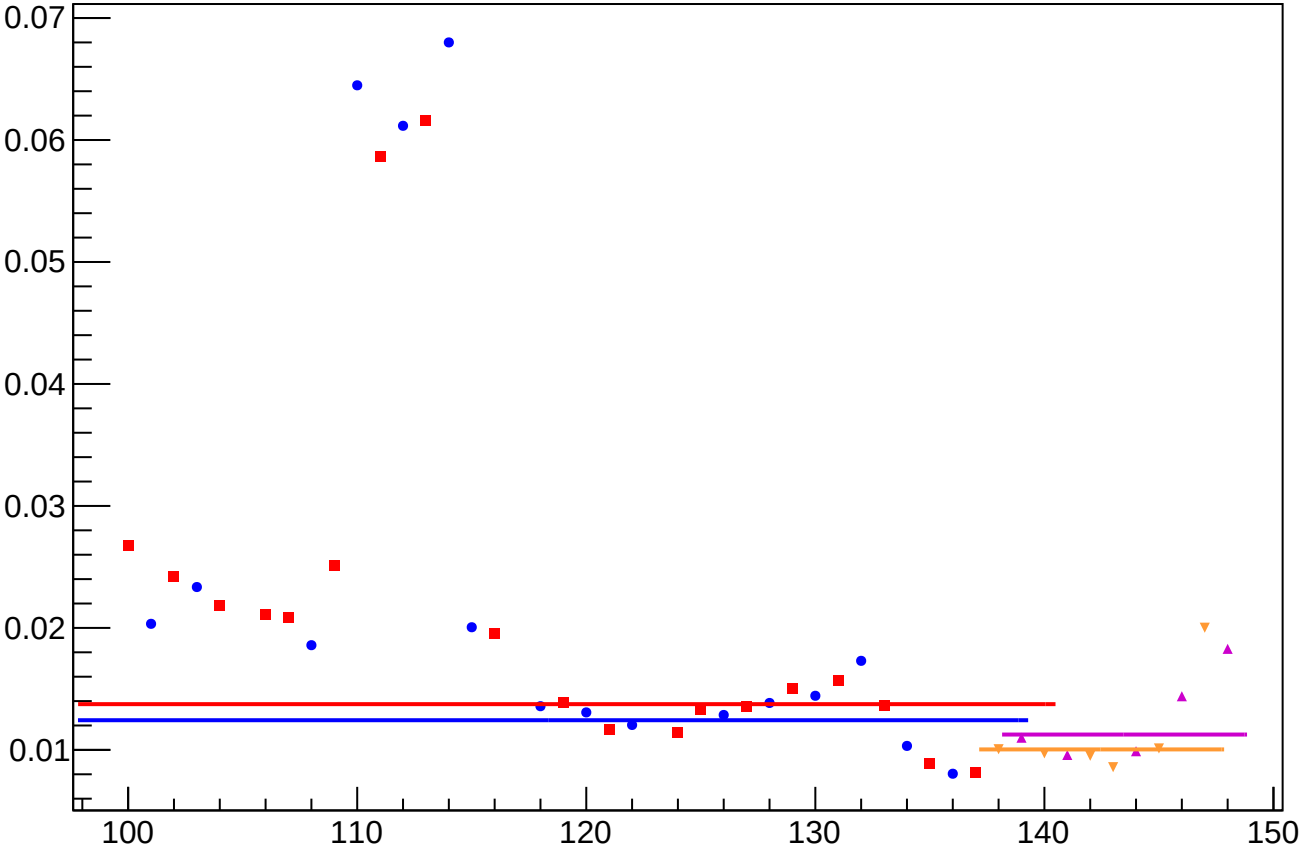
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.921+/-0.000 χ^2/NDF:5530434724.8/20

Out: 15.832+/-0.000 χ^2/NDF:10200010475.1/24

All: 15.875+/-0.000 χ^2/NDF: 15996489194.9

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:445740.5/5

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:394048.5/4

Left: 0.011+/-0.000 χ^2/NDF: 891523.1/10

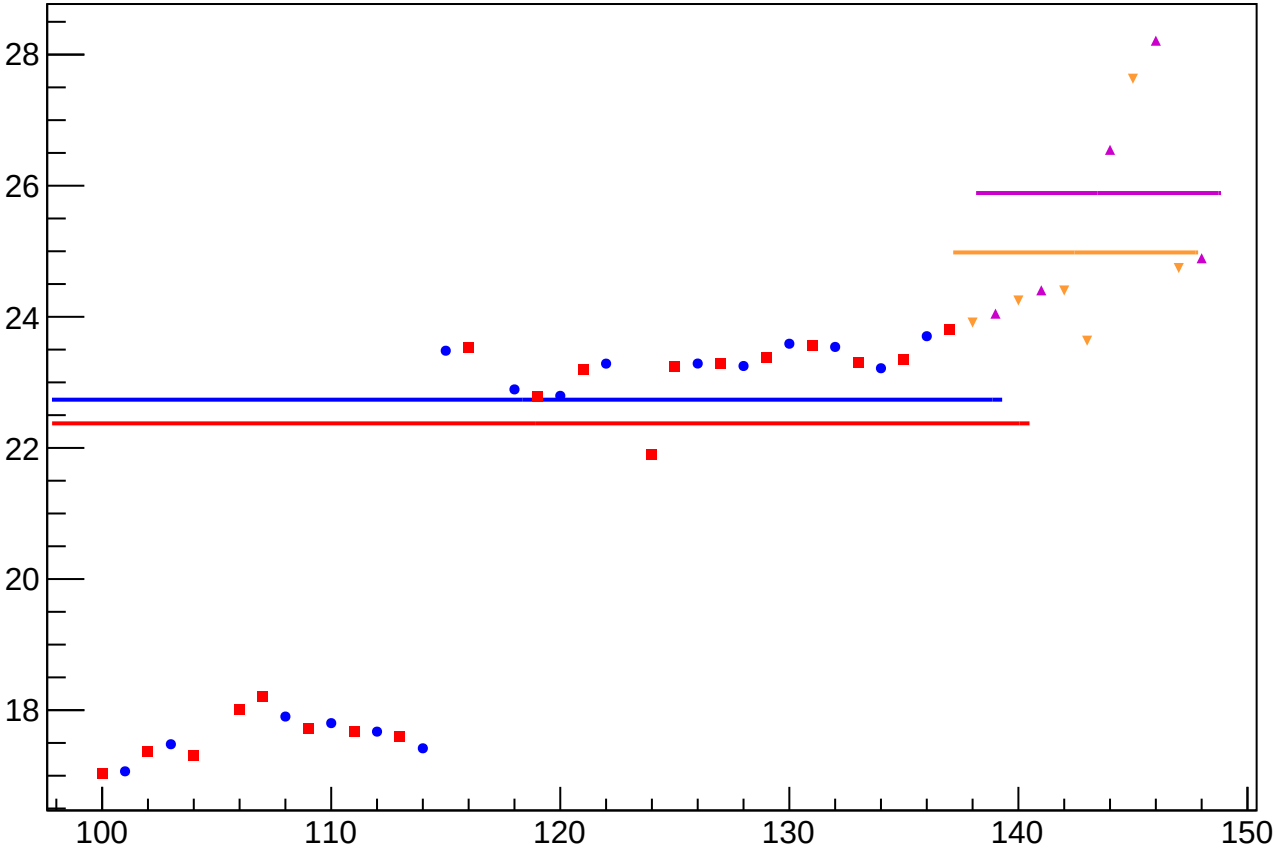
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2756383.4/20

Out: 0.012+/-0.000 χ^2/NDF:3150234.3/24

All: 0.012+/-0.000 χ^2/NDF: 5911237.5/45

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.982+/-0.000 χ^2/NDF:760059179.1/5

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.888+/-0.000 χ^2/NDF:565815607.5/4

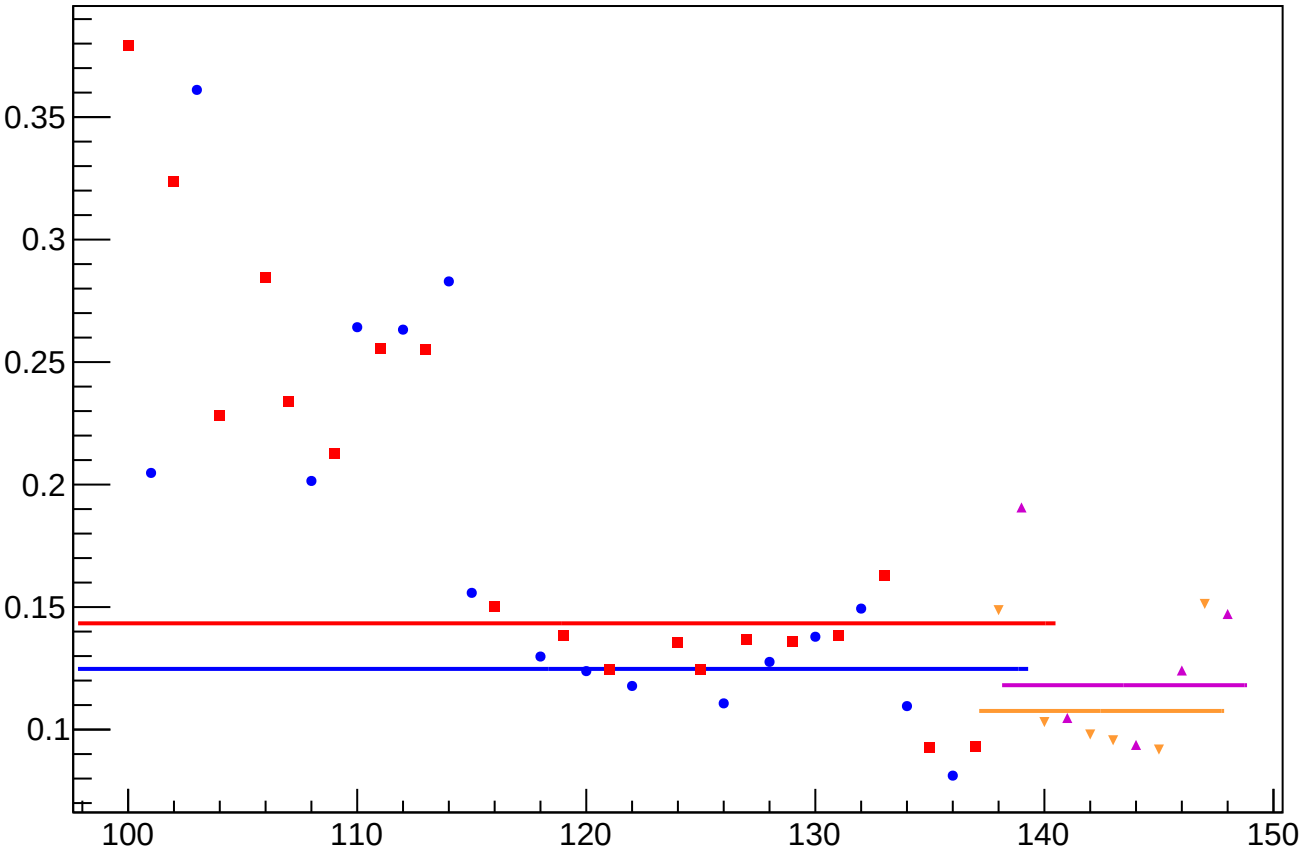
Left: 25.392+/-0.000 χ^2/NDF: 1442413482.7/10

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.092+/-0.000 χ^2/NDF:3255005300.4/20

Out: 23.753+/-0.000 χ^2/NDF:2980302431.1/24

All: 23.924+/-0.000 χ^2/NDF: 6269659316.9/4



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.108+/-0.000 χ^2/NDF:300672.0/5

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.118+/-0.000 χ^2/NDF:429969.2/4

Left: 0.112+/-0.000 χ^2/NDF: 761982.0/10

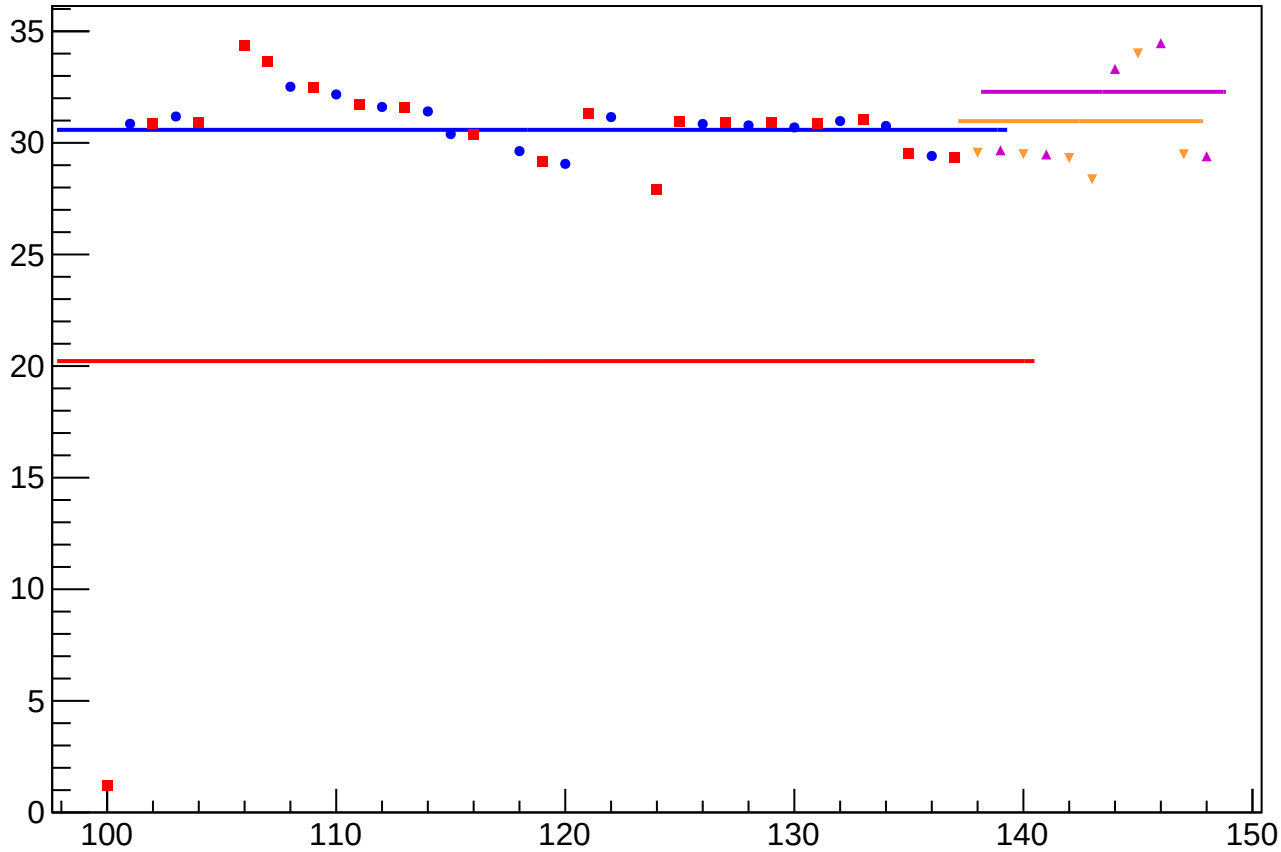
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2192867.1/20

Out: 0.124+/-0.000 χ^2/NDF:2248807.1/24

All: 0.123+/-0.000 χ^2/NDF: 4445593.7/45

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.975+/-0.000 χ^2/NDF:4225604463.8/5

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 32.288+/-0.000 χ^2/NDF:3738287319.9/4

Left: 31.656+/-0.000 χ^2/NDF: 8635849032.3/10

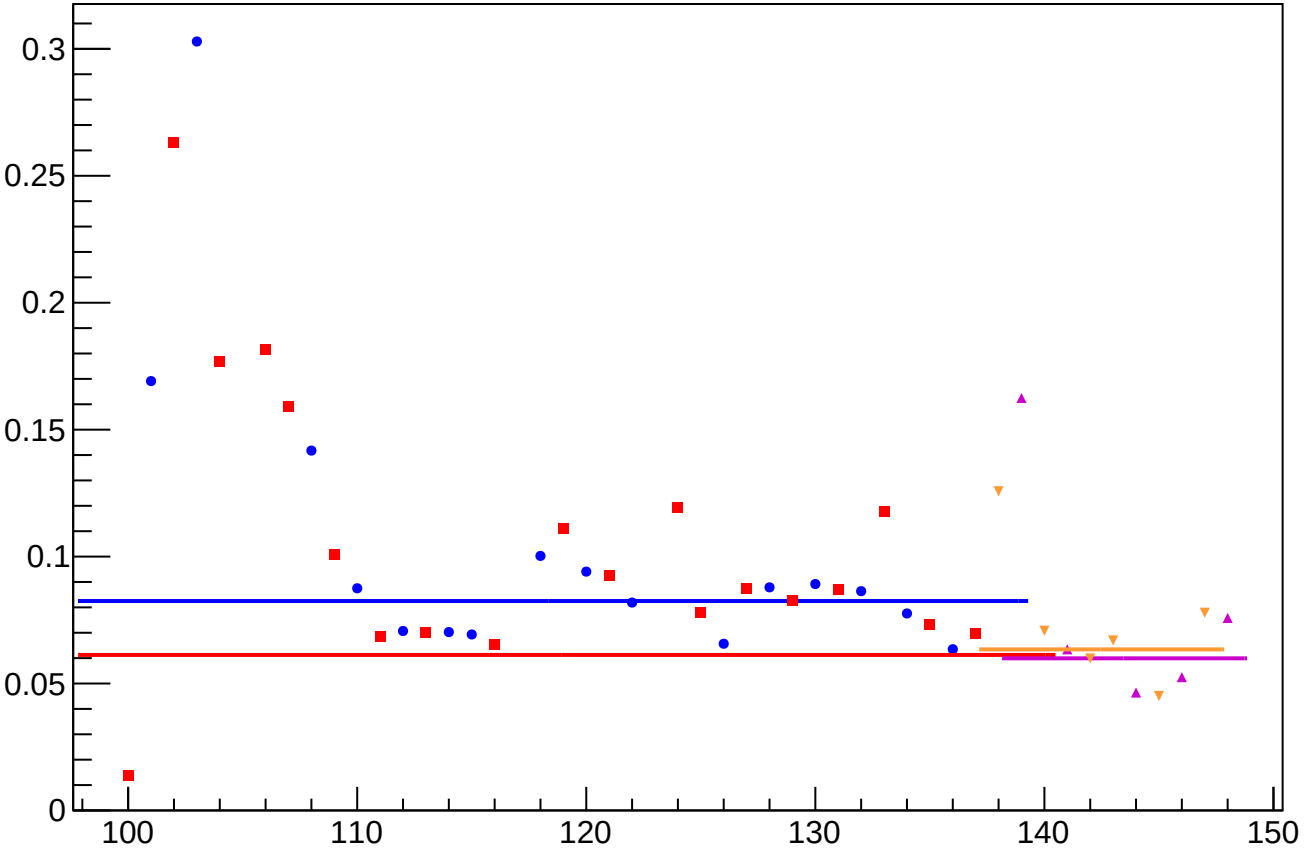
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.456+/-0.000 χ^2/NDF:5539152912.8/20

Out: 24.613+/-0.000 χ^2/NDF:276832625318.0/24

All: 27.780+/-0.000 χ^2/NDF: 322221739102.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.063+/-0.000 χ^2/NDF:571594.9/5

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.060+/-0.000 χ^2/NDF:850909.6/4

Left: 0.062+/-0.000 χ^2/NDF: 1432199.1/10

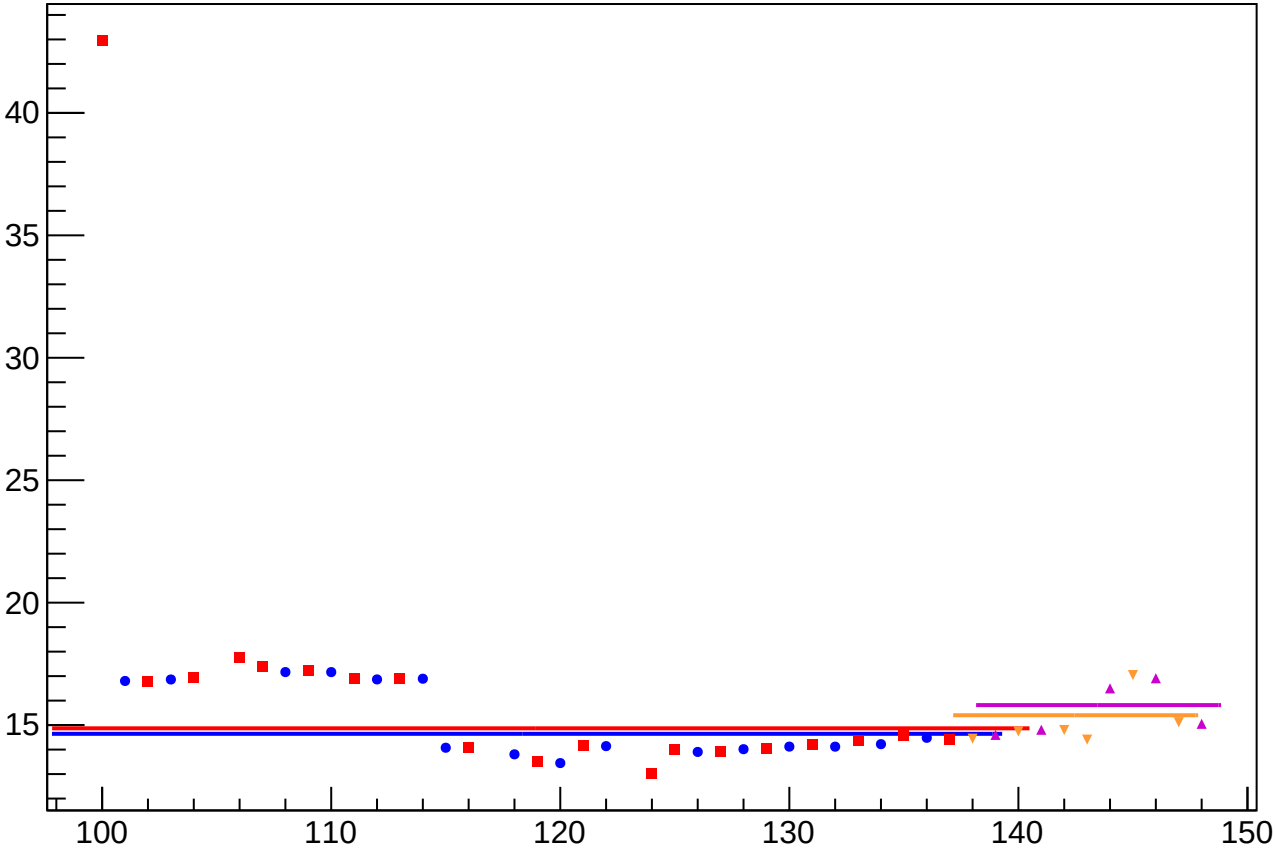
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2515939.2/20

Out: 0.062+/-0.000 χ^2/NDF:4590140.2/24

All: 0.066+/-0.000 χ^2/NDF: 7237709.7/45

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.402+/-0.000 χ^2/NDF:898469195.7/5

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.817+/-0.000 χ^2/NDF:569608055.4/4

Left: 15.598+/-0.000 χ^2/NDF: 1528342530.5/10

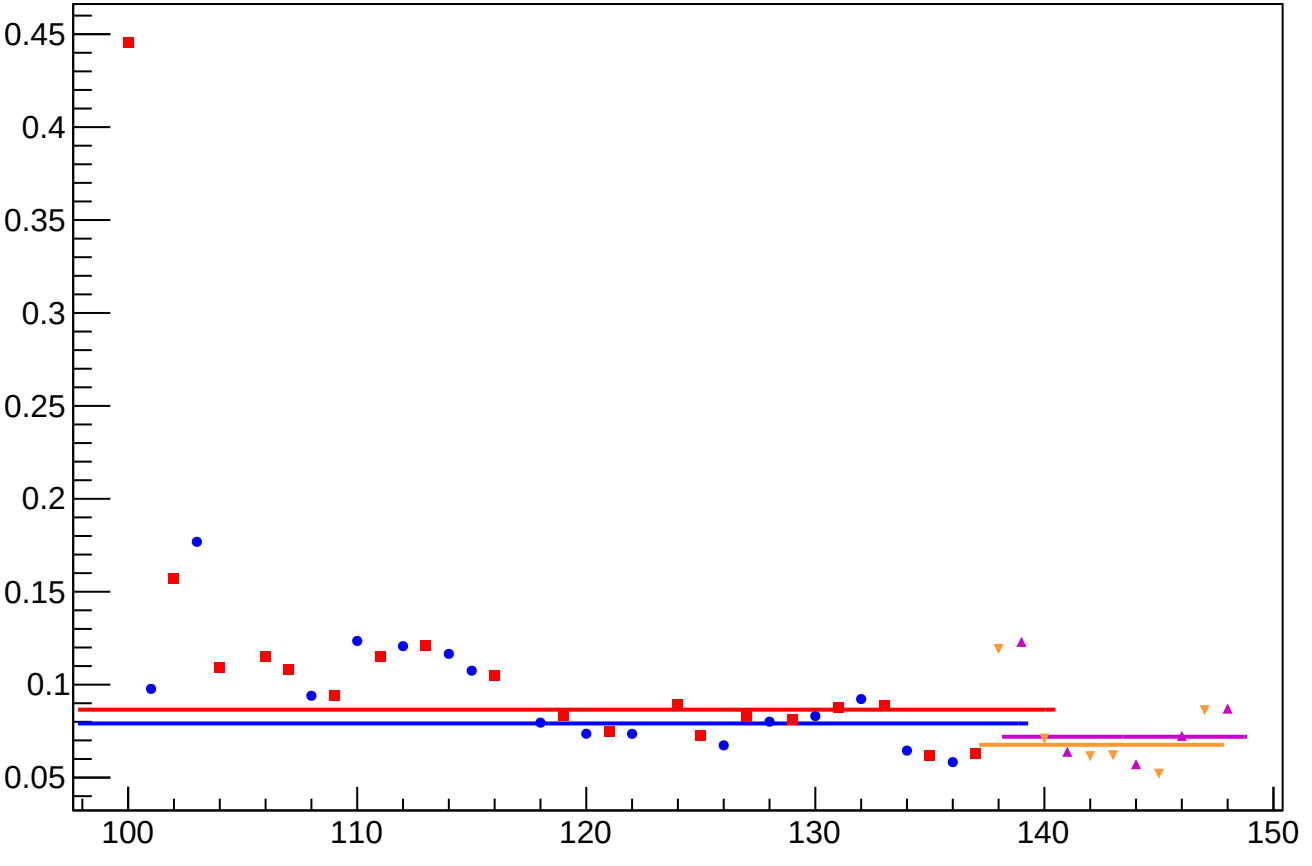
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.131+/-0.000 χ^2/NDF:2298764814.4/20

Out: 15.122+/-0.000 χ^2/NDF:2739752346.9/24

All: 15.127+/-0.000 χ^2/NDF: 5038579724.0/4

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:465588.4/5

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.072+/-0.000 χ^2/NDF:439805.9/4

Left: 0.070+/-0.000 χ^2/NDF: 918583.6/10

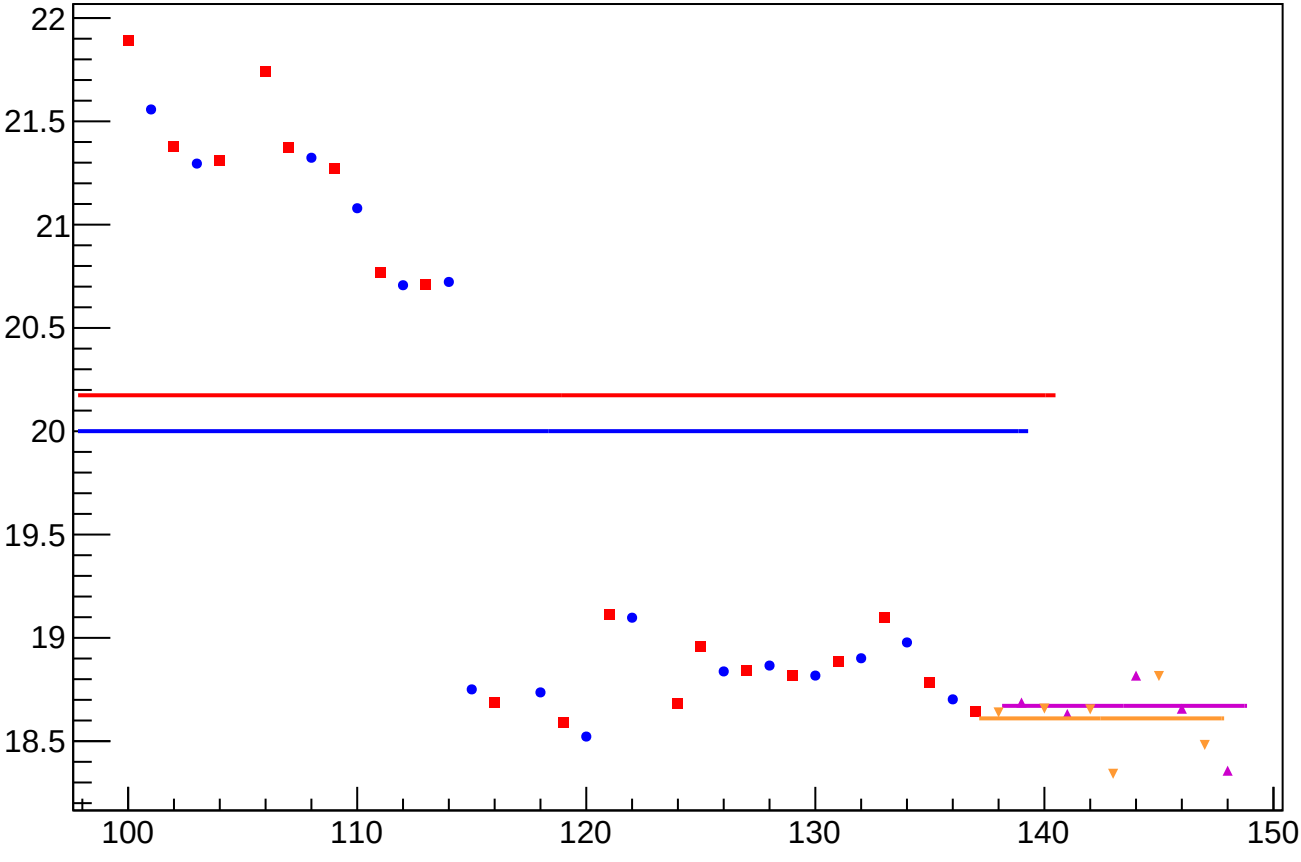
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.076+/-0.000 χ^2/NDF:1397885.2/20

Out: 0.078+/-0.000 χ^2/NDF:1537726.9/24

All: 0.077+/-0.000 χ^2/NDF: 2938736.7/45

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.610+/-0.000 χ^2/NDF:108877312.6/5

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.671+/-0.000 χ^2/NDF:53810847.8/4

Left: 18.638+/-0.000 χ^2/NDF: 169031765.6/10

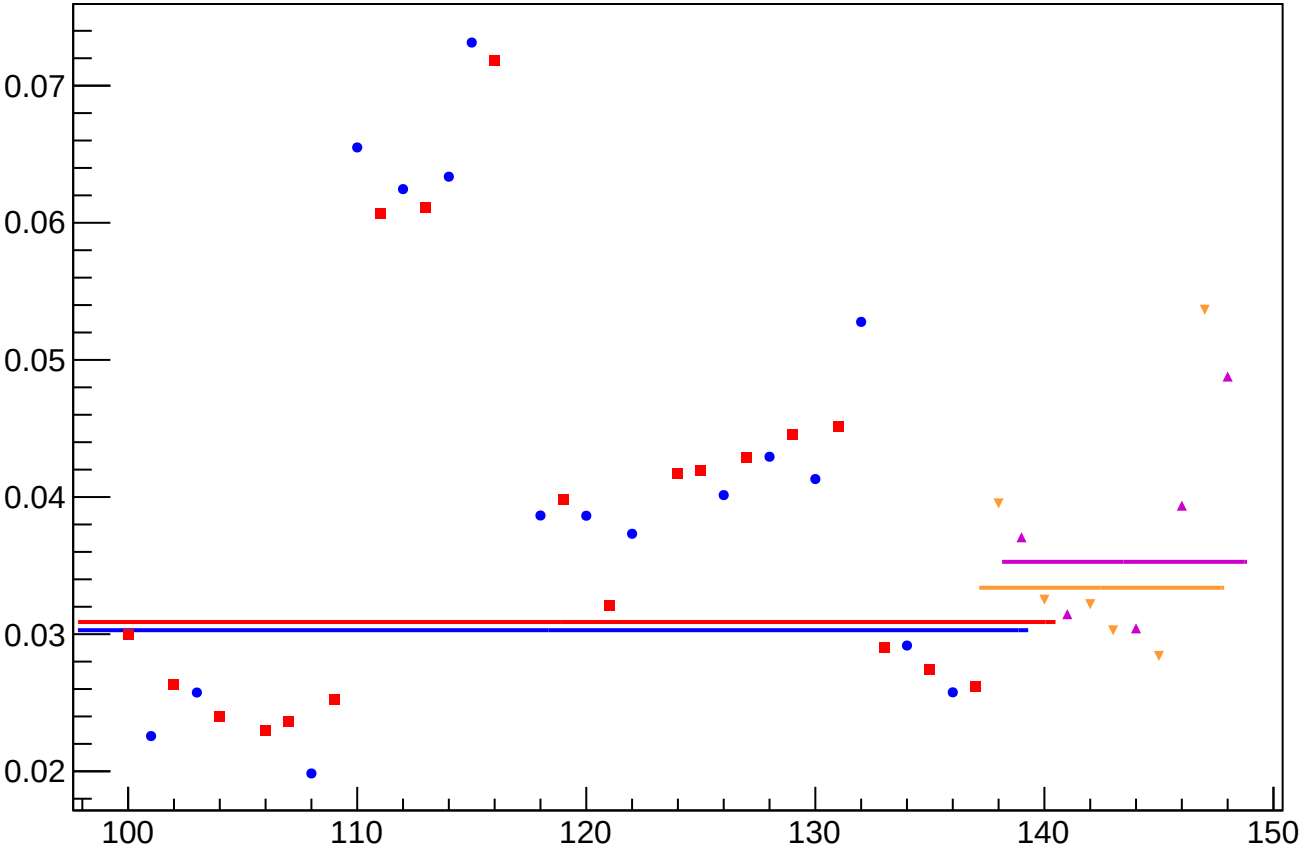
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.561+/-0.000 χ^2/NDF:14734633916.1/20

Out: 19.607+/-0.000 χ^2/NDF:16316045829.0/24

All: 19.584+/-0.000 χ^2/NDF: 31061518099.7

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:330954.6/5

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.035+/-0.000 χ^2/NDF:210335.5/4

Left: 0.034+/-0.000 χ^2/NDF: 553582.0/10

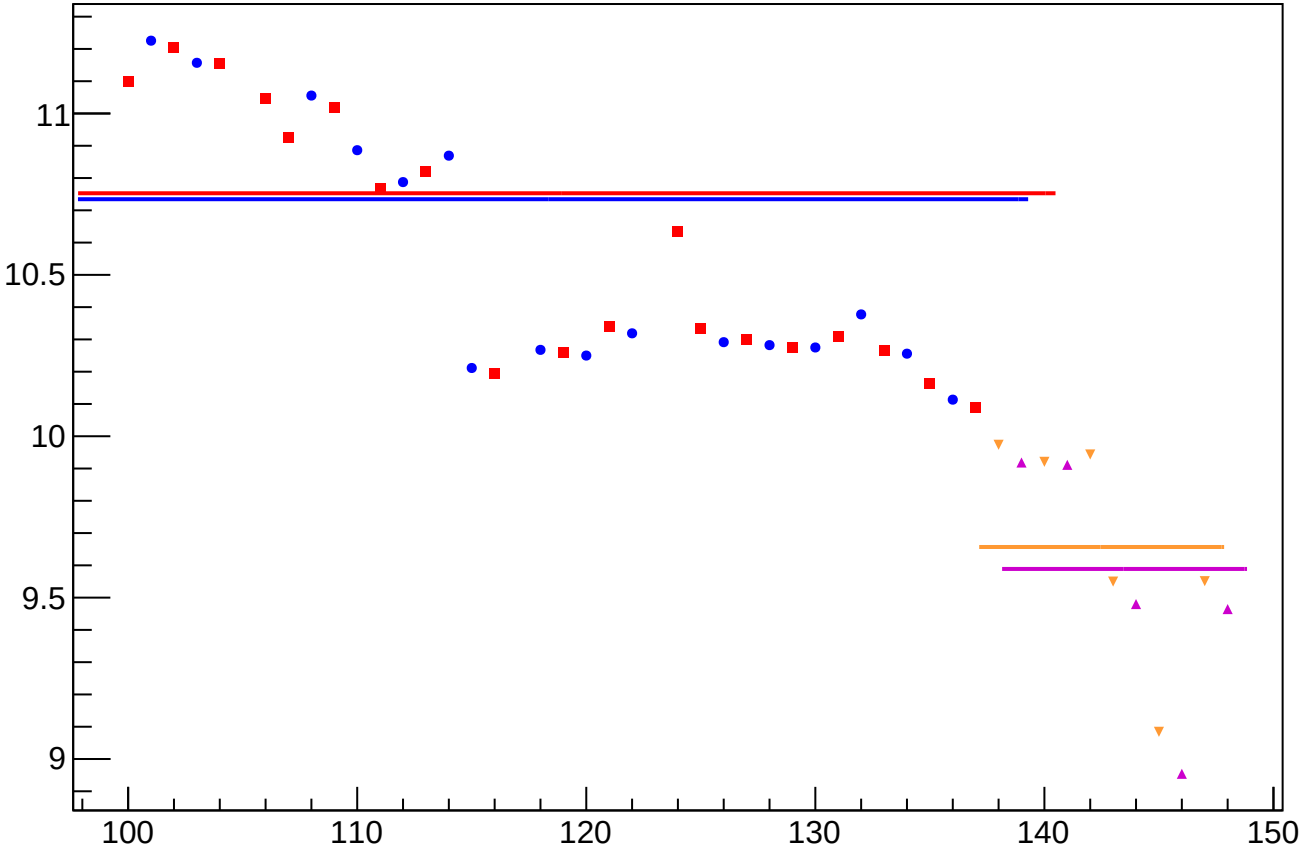
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1764621.5/20

Out: 0.032+/-0.000 χ^2/NDF:1565222.2/24

All: 0.032+/-0.000 χ^2/NDF: 3330059.5/45

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.657+/-0.000 χ^2/NDF:1063036150.7/5

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.589+/-0.000 χ^2/NDF:908637049.2/4

Left: 9.627+/-0.000 χ^2/NDF: 1993261761.3/10

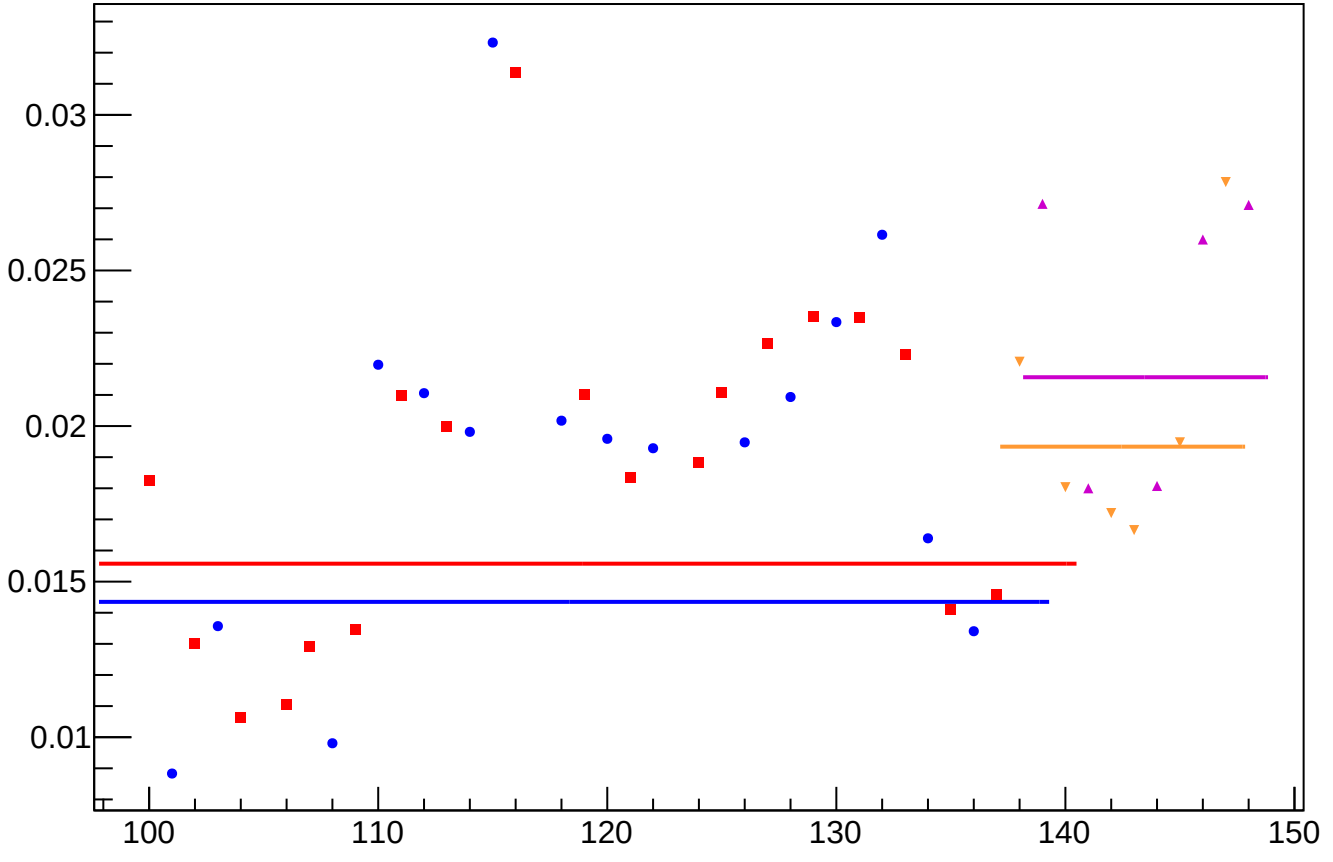
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.468+/-0.000 χ^2/NDF:15199933135.0/20

Out: 10.431+/-0.000 χ^2/NDF:14392977064.5/24

All: 10.450+/-0.000 χ^2/NDF: 29617651947.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:227319.4/5

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.022+/-0.000 χ^2/NDF:306000.4/4

Left: 0.020+/-0.000 χ^2/NDF: 579795.5/10

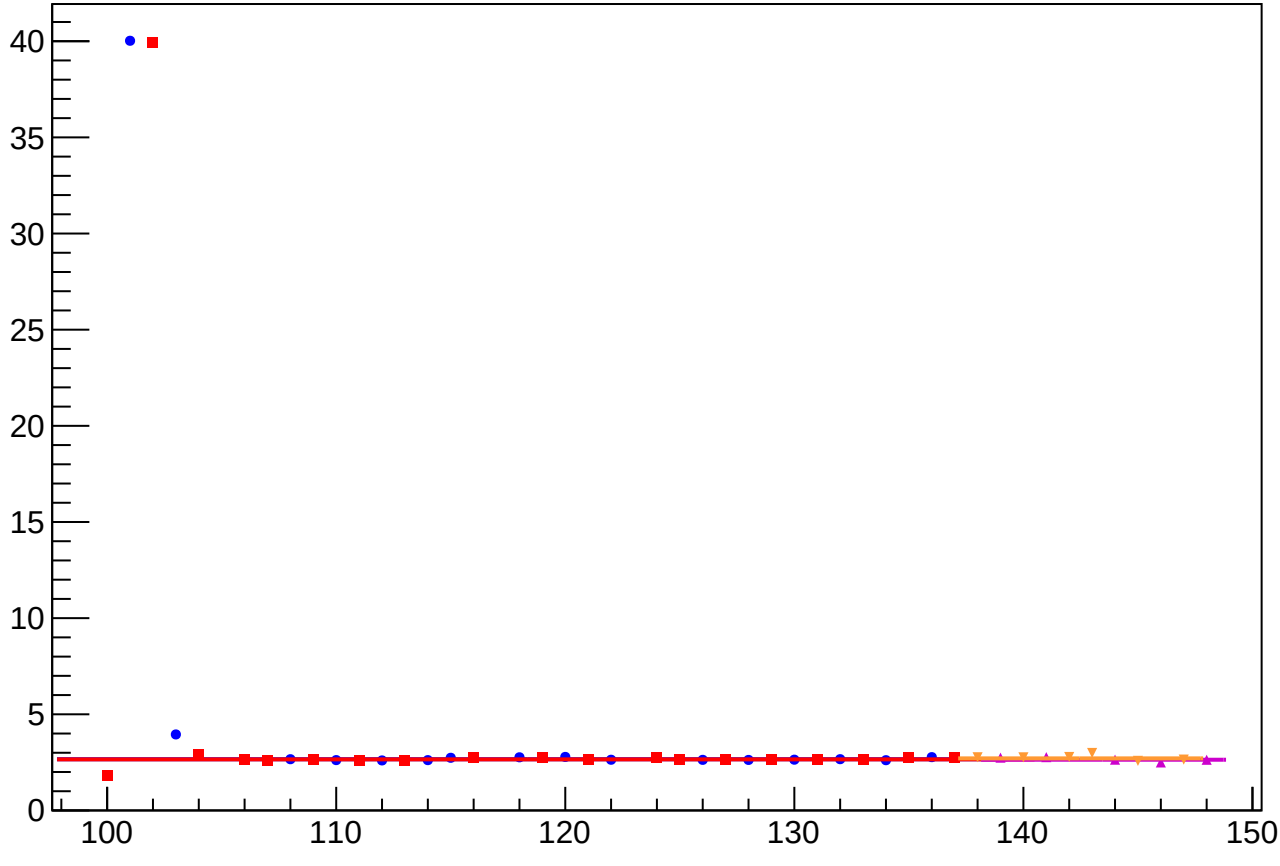
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2456010.9/20

Out: 0.017+/-0.000 χ^2/NDF:1510929.7/24

All: 0.016+/-0.000 χ^2/NDF: 3982365.6/45

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.708+/-0.000 χ^2/NDF:14134620344.2/5

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.637+/-0.000 χ^2/NDF:7318800423.2/4

Left: 2.672+/-0.000 χ^2/NDF: 23291967983.0/10

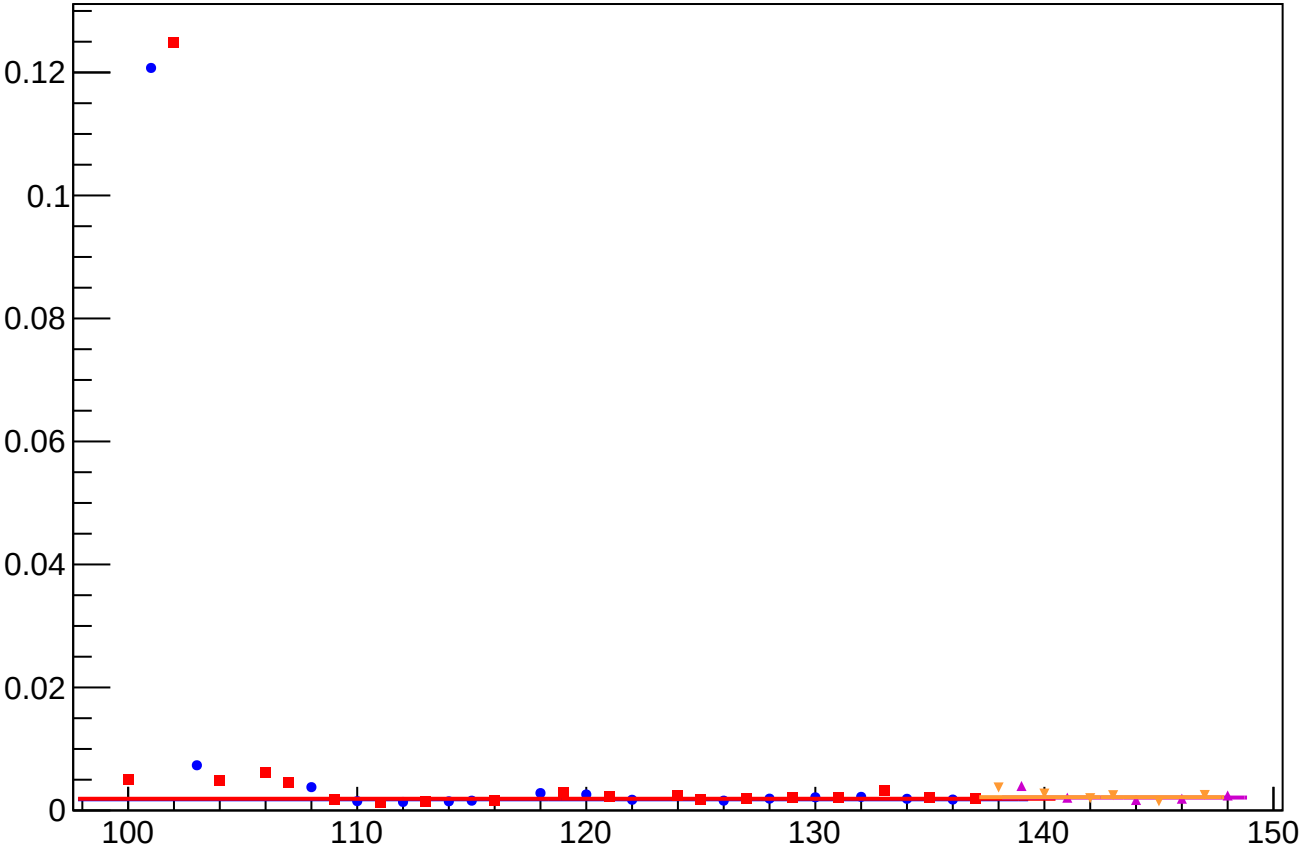
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.655+/-0.000 χ^2/NDF:75507159369.8/20

Out: 2.674+/-0.000 χ^2/NDF:80447073036.7/24

All: 2.664+/-0.000 χ^2/NDF: 156352884532.3

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:612838.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:472363.4/4

Left: 0.002+/-0.000 χ^2/NDF: 1088220.0/10

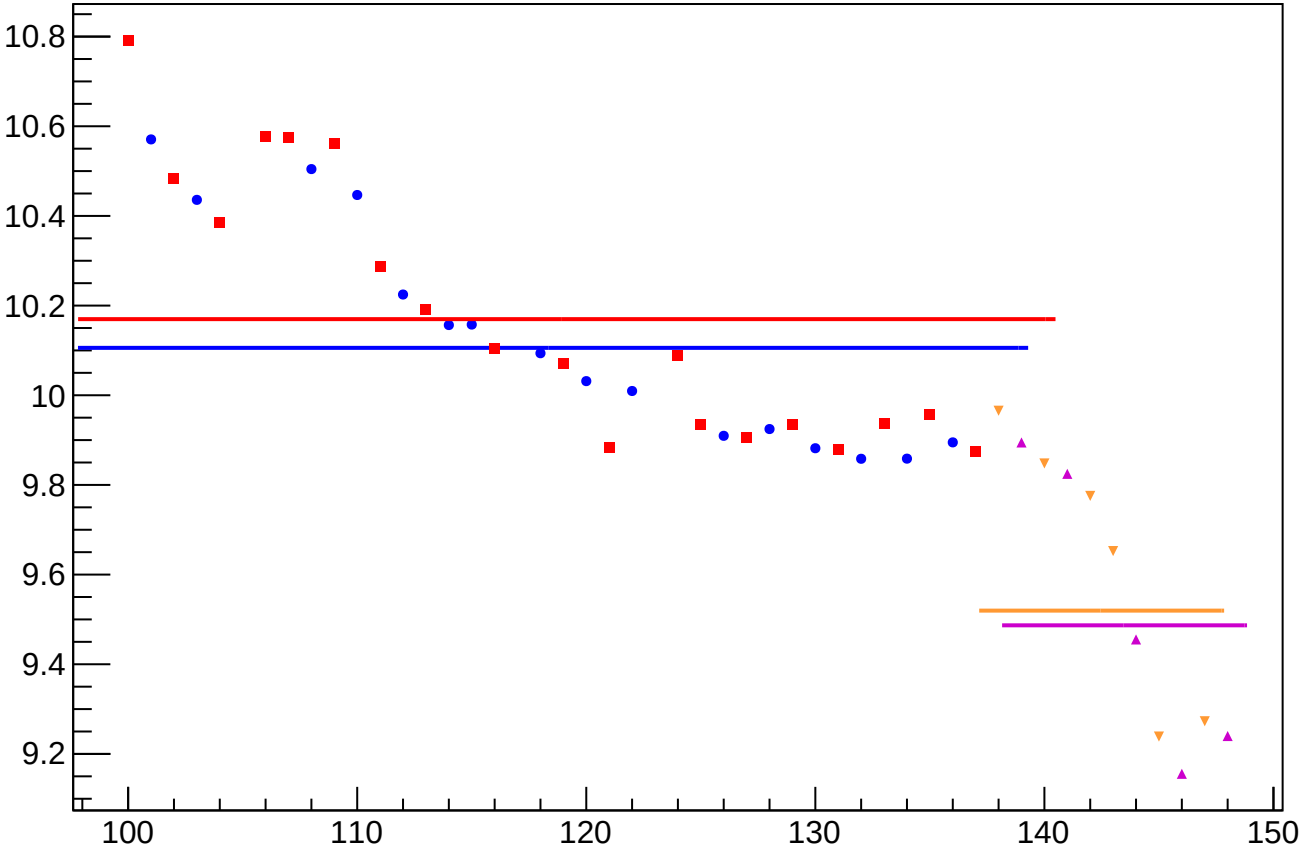
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2374471.1/20

Out: 0.002+/-0.000 χ^2/NDF:3203262.8/24

All: 0.002+/-0.000 χ^2/NDF: 5590147.9/45

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.520+/-0.000 χ^2/NDF:5934167011.4/5

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.487+/-0.000 χ^2/NDF:5578319515.8/4

Left: 9.504+/-0.000 χ^2/NDF: 11556715671.9/10

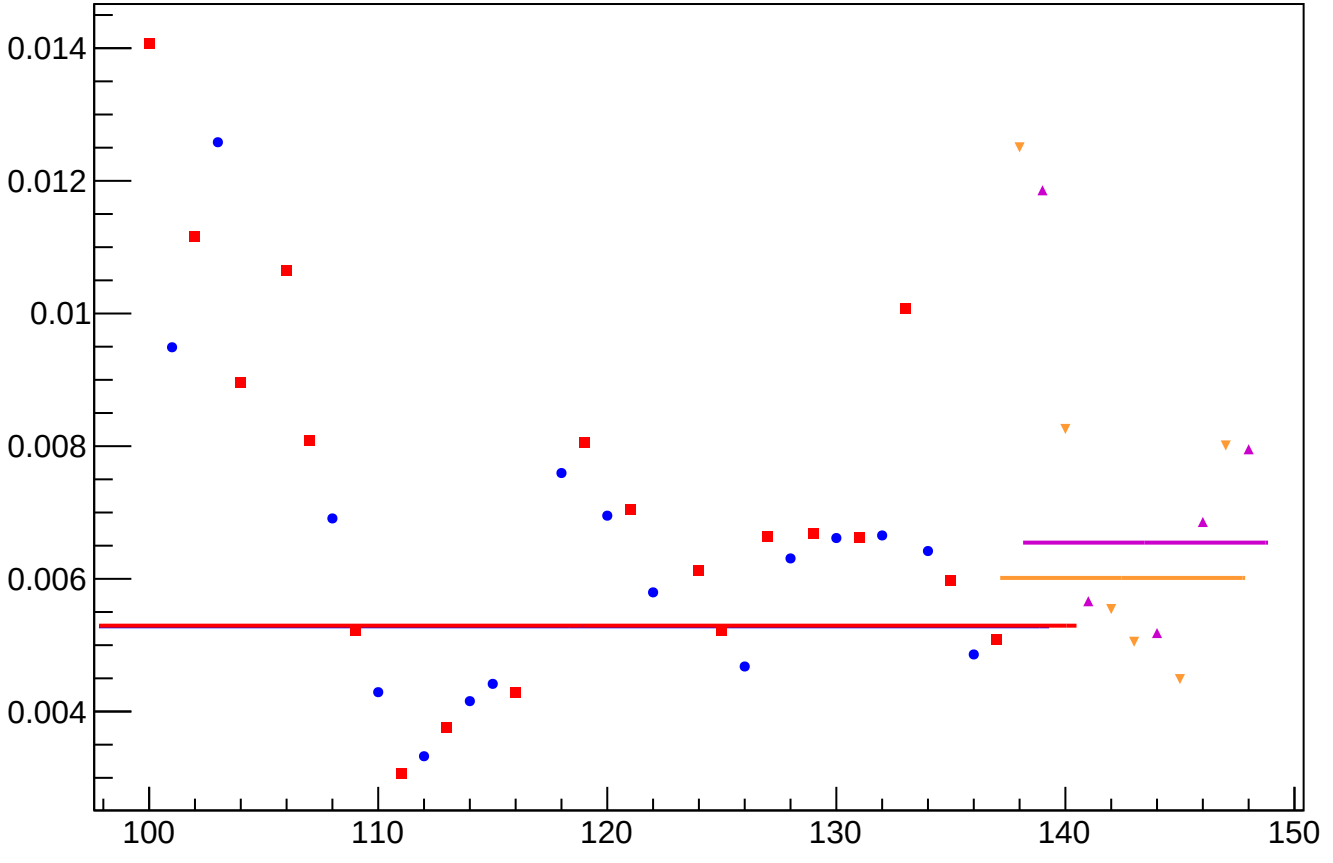
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.930+/-0.000 χ^2/NDF:35752073028.9/20

Out: 9.968+/-0.000 χ^2/NDF:40855836885.4/24

All: 9.950+/-0.000 χ^2/NDF: 76812415680.4/4

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:740665.9/5

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.007+/-0.000 χ^2/NDF:485493.4/4

Left: 0.006+/-0.000 χ^2/NDF: 1249430.5/10

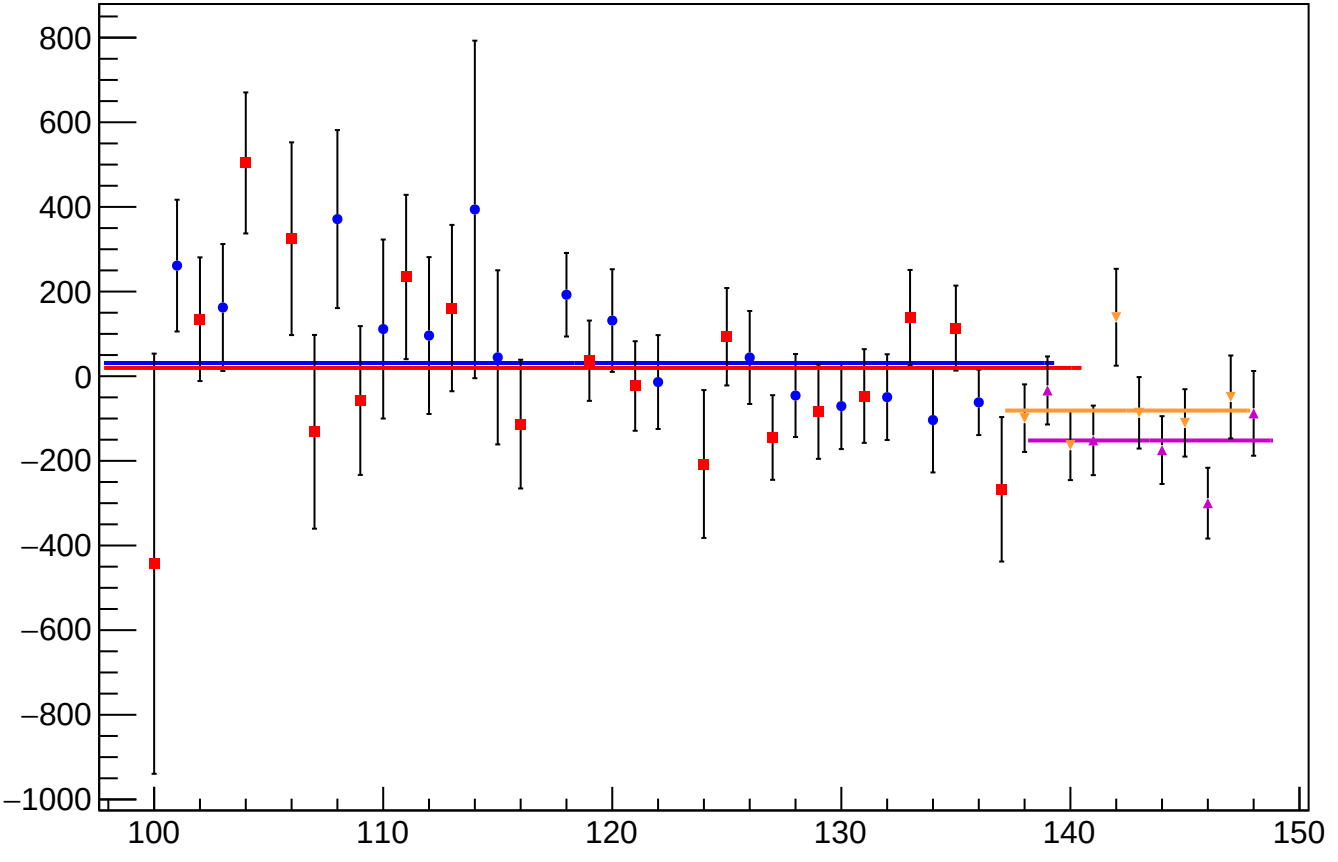
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1934498.5/20

Out: 0.006+/-0.000 χ^2/NDF:2596123.5/24

All: 0.006+/-0.000 χ^2/NDF: 4535013.0/45

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.129+/-35.758 χ^2/NDF:5.0/5

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -151.849+/-37.762 χ^2/NDF:5.8/4

Left: -114.562+/-25.964 χ^2/NDF: 12.6/10

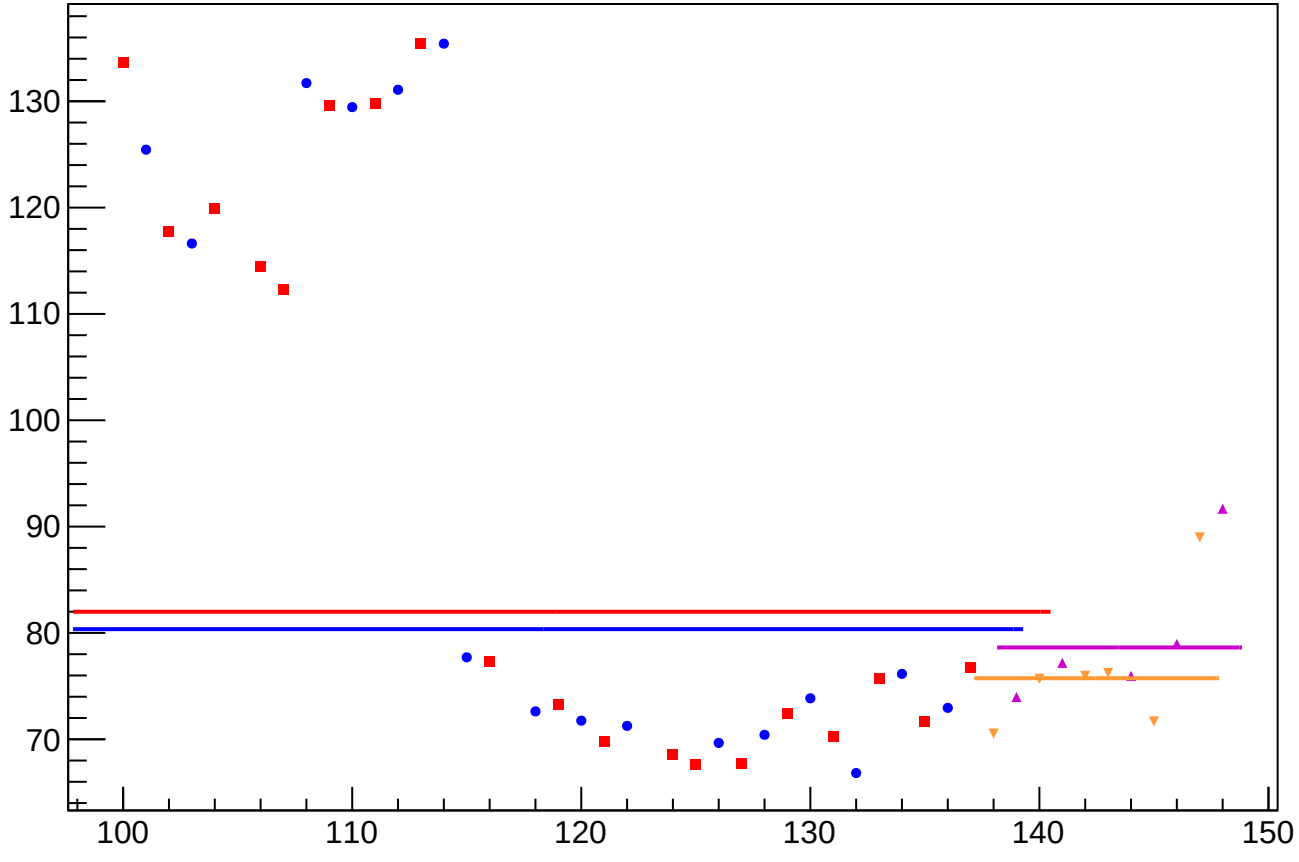
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -41.857+/-23.861 χ^2/NDF:35.0/20

Out: -23.730+/-23.448 χ^2/NDF:35.4/24

All: -32.636+/-16.725 χ^2/NDF: 70.7/45

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

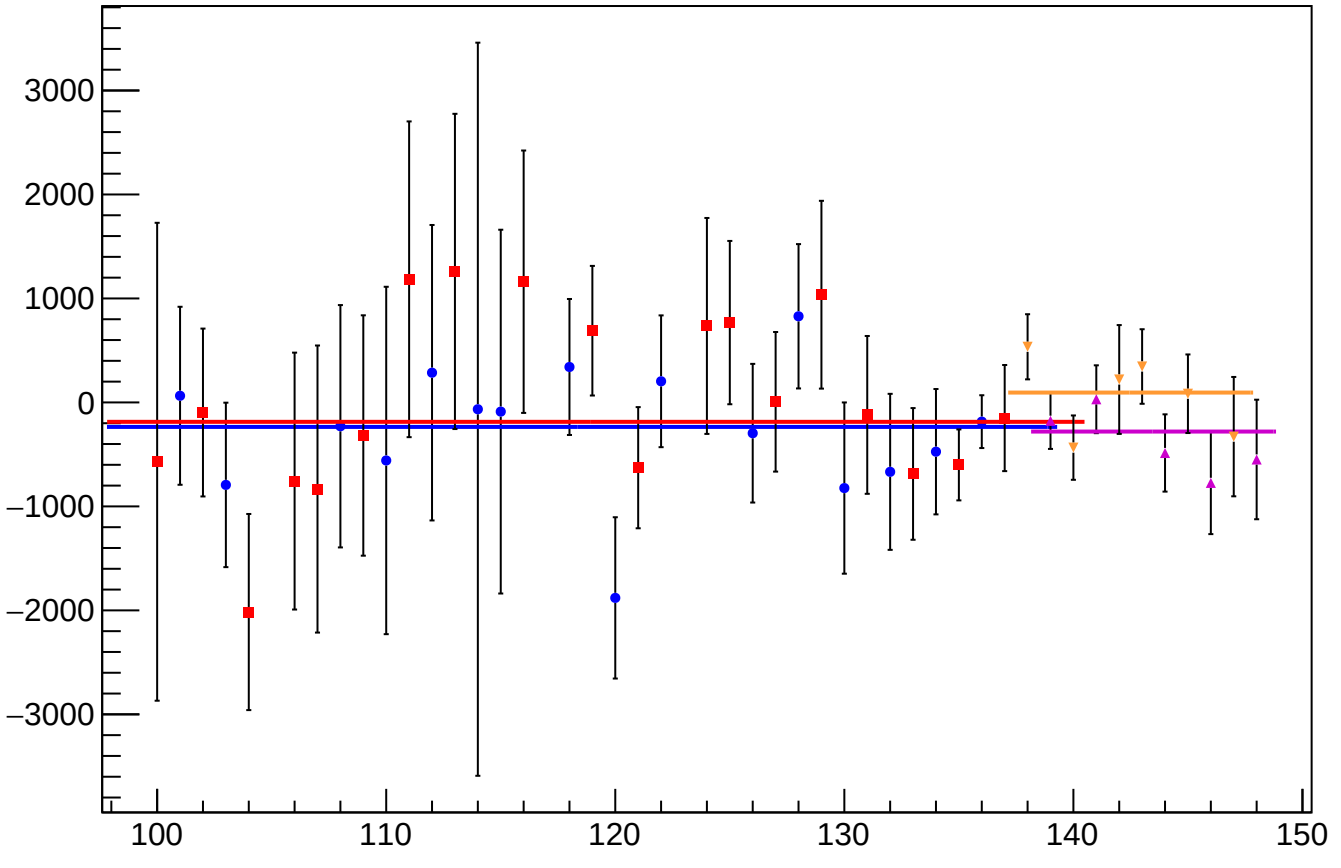
Left: 77.108+/-0.018 χ^2/NDF: 100124.6/10

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.667+/-0.017 χ^2/NDF:886148.3/20

Out: 79.304+/-0.017 χ^2/NDF:1017512.3/24

All: 79.482+/-0.012 χ^2/NDF: 1903895.5/45



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.771+/-154.113 χ^2/NDF:6.0/5

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -280.244+/-163.490 χ^2/NDF:2.6/4

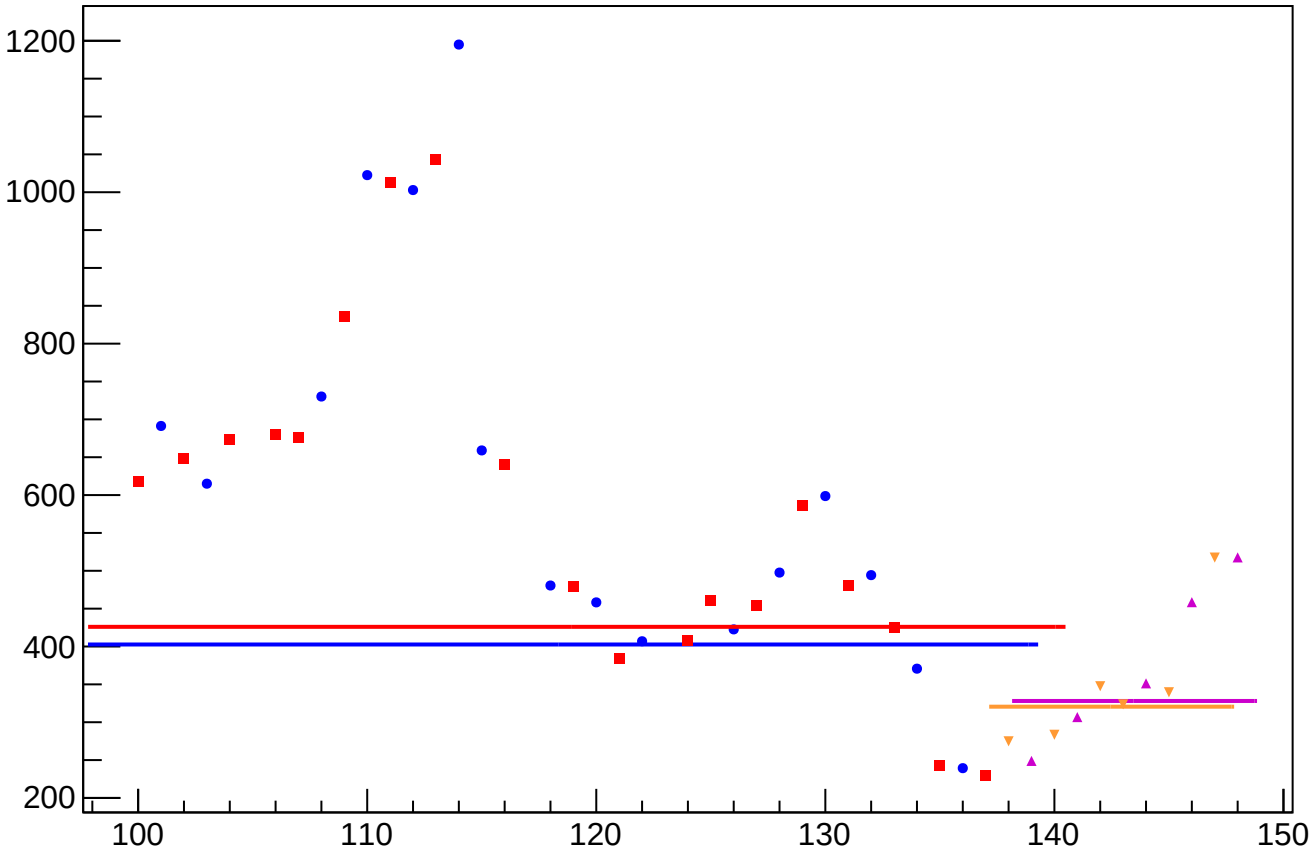
Left: -81.675+/-112.143 χ^2/NDF: 11.4/10

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -257.920+/-115.702 χ^2/NDF:12.6/20

Out: -31.841+/-114.298 χ^2/NDF:23.5/24

All: -143.501+/-81.313 χ^2/NDF: 38.0/45



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 320.528+/-0.109 χ^2/NDF:317364.1/5

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 328.068+/-0.116 χ^2/NDF:545092.1/4

Left: 324.075+/-0.079 χ^2/NDF: 864708.7/10

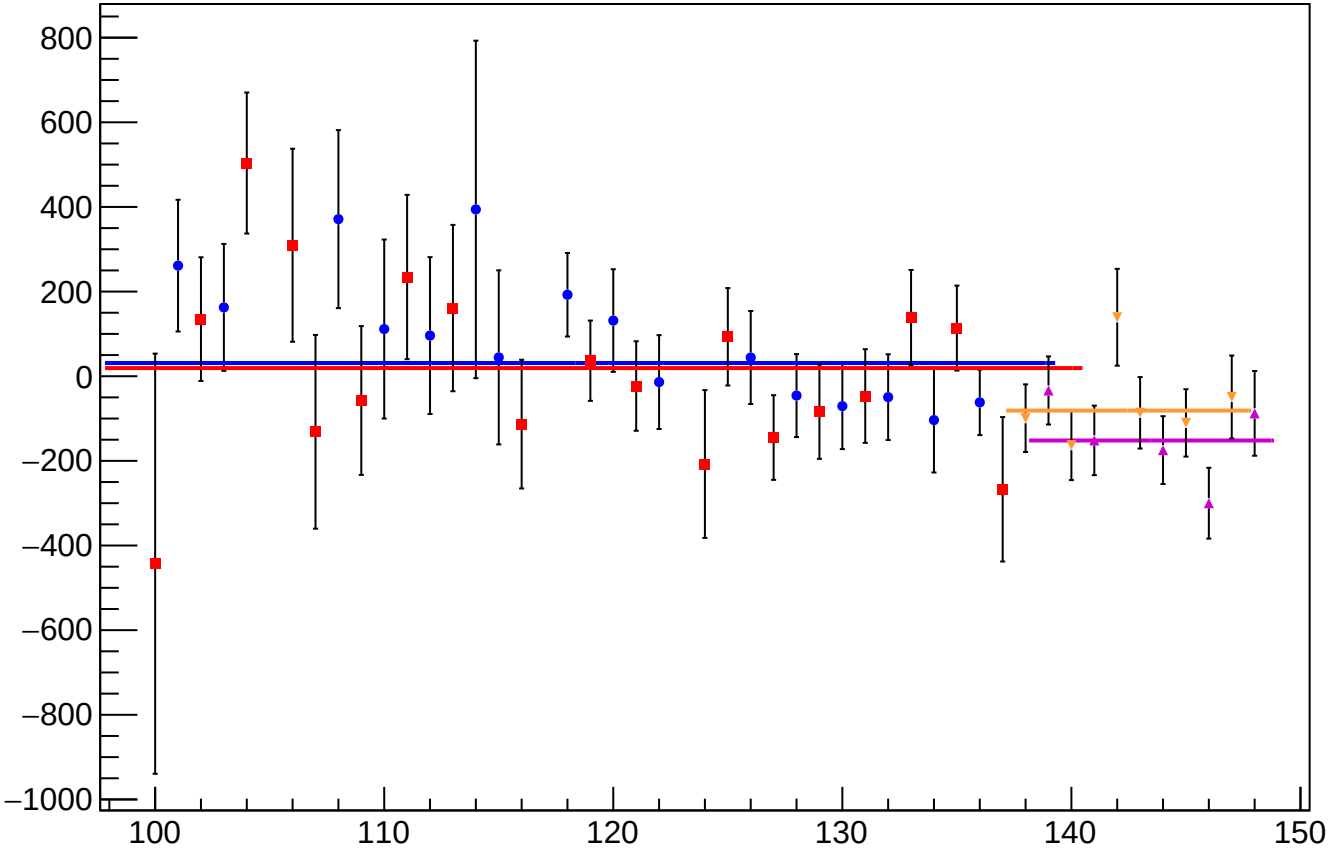
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 365.300+/-0.082 χ^2/NDF:3112984.6/20

Out: 367.976+/-0.081 χ^2/NDF:3107492.1/24

All: 366.655+/-0.057 χ^2/NDF: 6221018.3/45

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.133+/-35.758 χ^2/NDF:5.0/5

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.848+/-37.762 χ^2/NDF:5.8/4

Left: -114.564+/-25.964 χ^2/NDF: 12.6/10

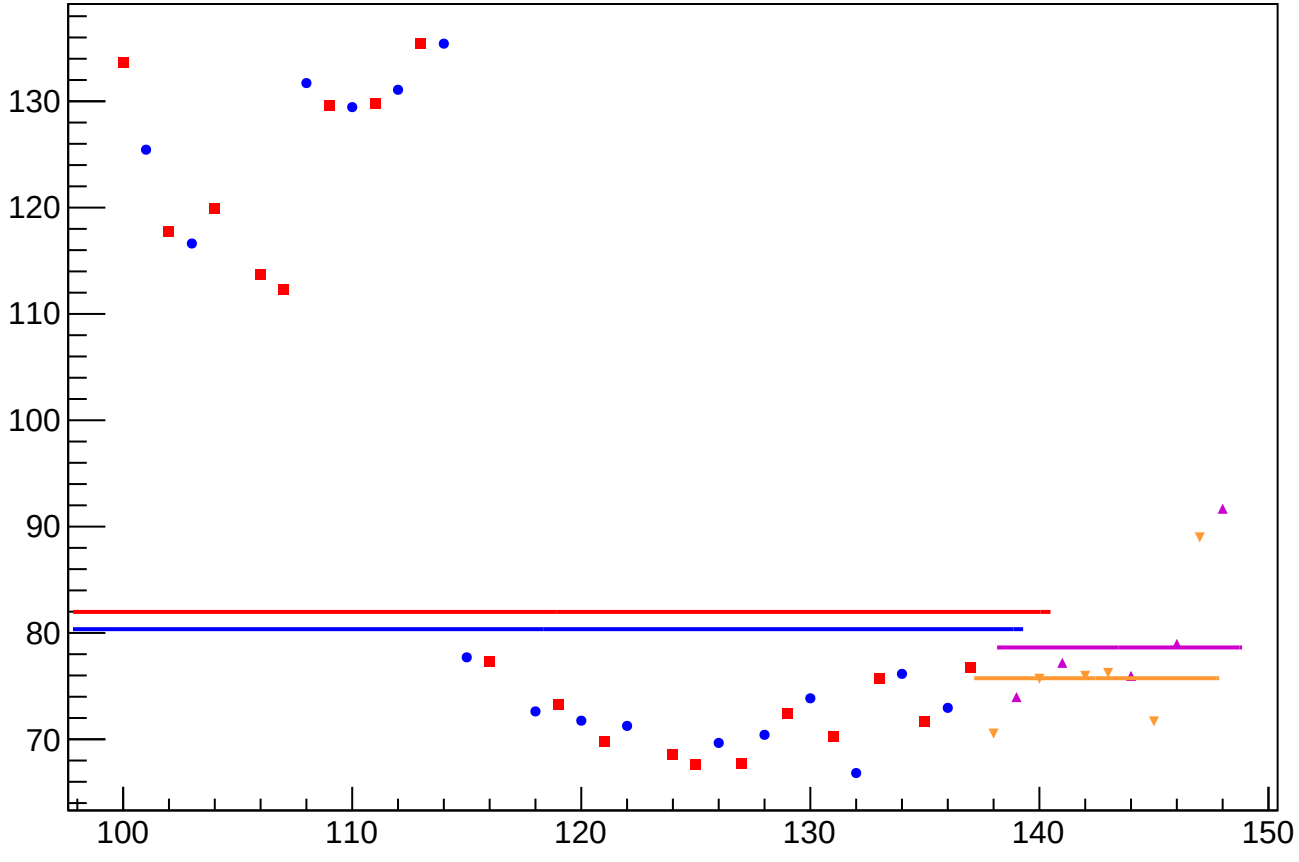
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -41.851+/-23.861 χ^2/NDF:35.0/20

Out: -23.900+/-23.449 χ^2/NDF:35.2/24

All: -32.719+/-16.725 χ^2/NDF: 70.5/45

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

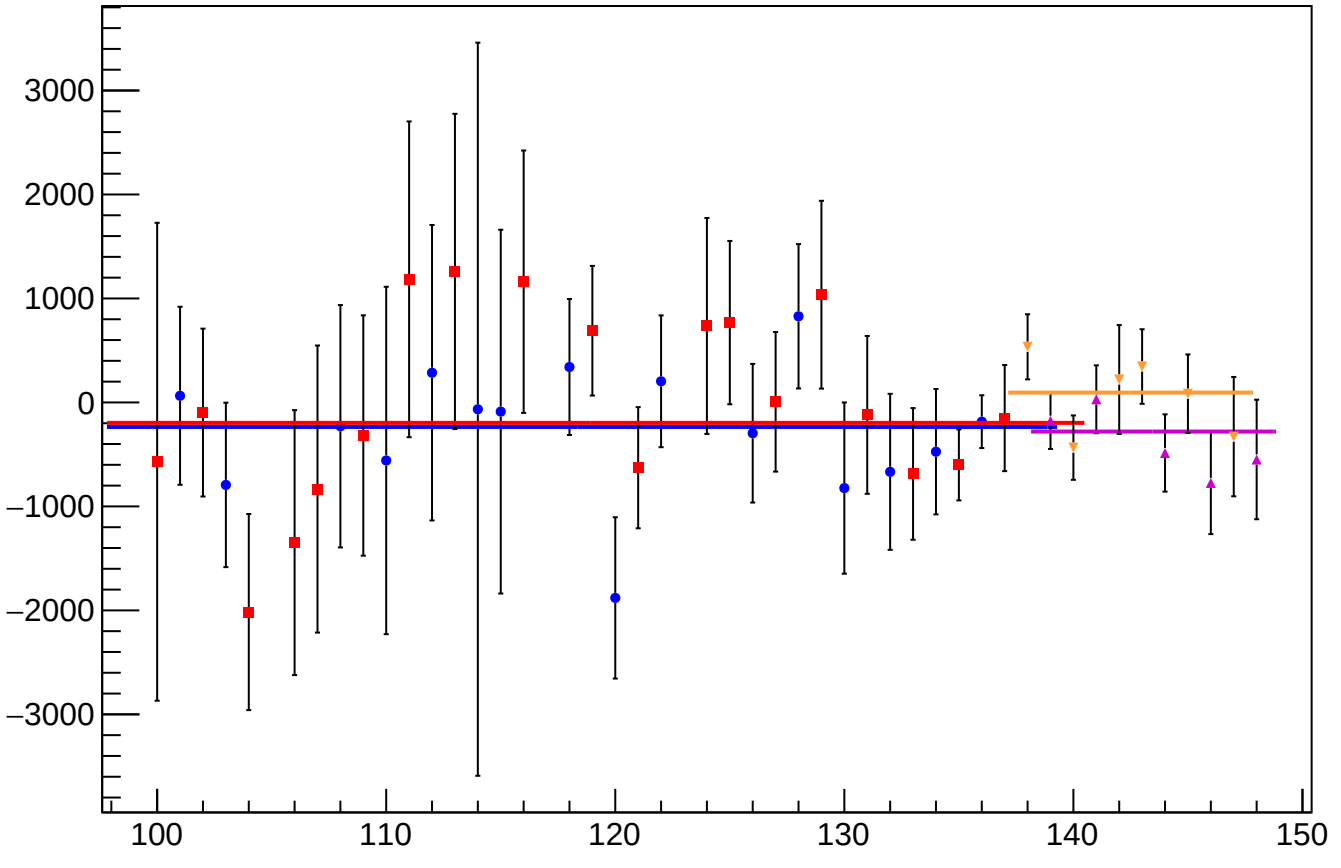
Left: 77.108+/-0.018 χ^2/NDF: 100124.6/10

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.667+/-0.017 χ^2/NDF:886148.5/20

Out: 79.296+/-0.017 χ^2/NDF:1015472.8/24

All: 79.478+/-0.012 χ^2/NDF: 1901867.5/45



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.769+/-154.113 χ^2/NDF:6.0/5

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -280.242+/-163.490 χ^2/NDF:2.6/4

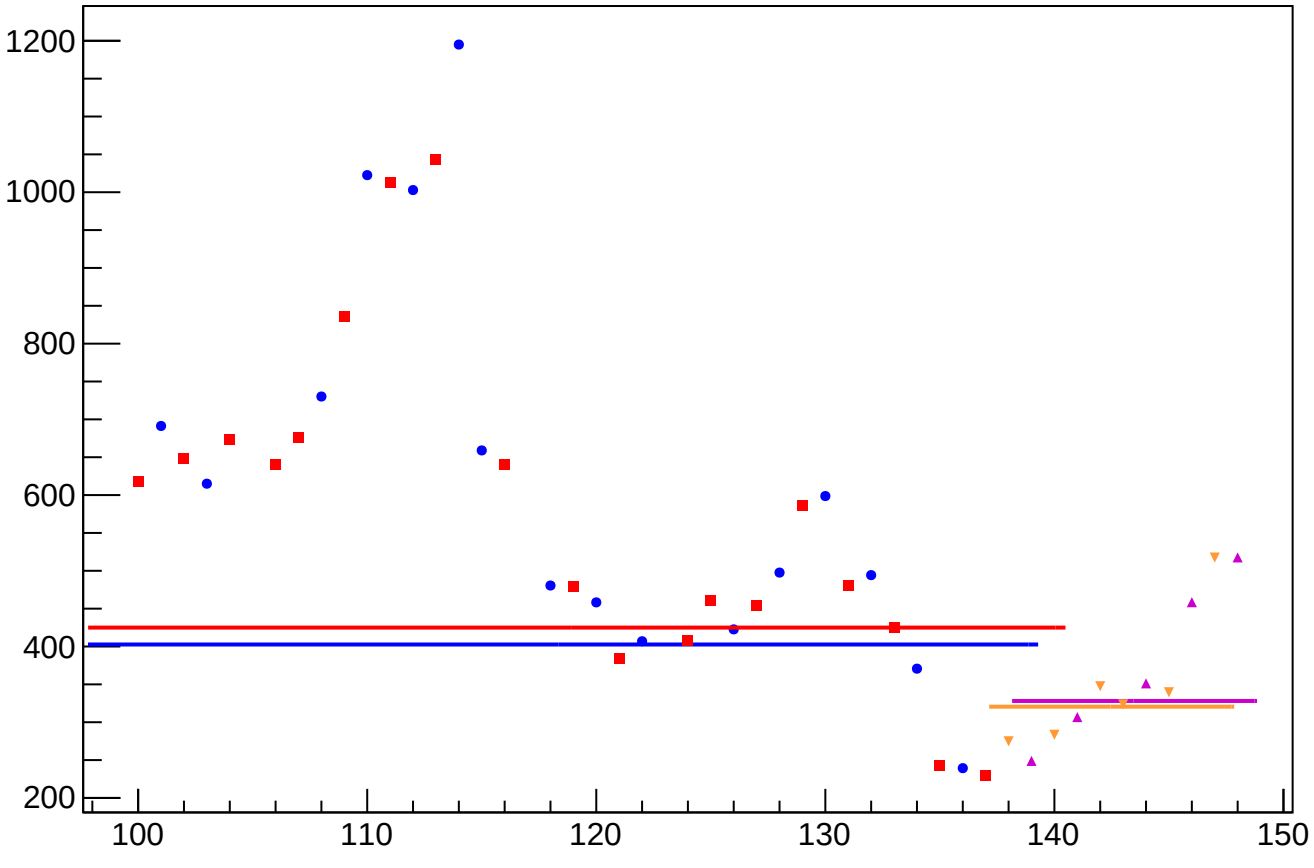
Left: -81.675+/-112.143 χ^2/NDF: 11.4/10

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -257.918+/-115.702 χ^2/NDF:12.6/20

Out: -36.241+/-114.328 χ^2/NDF:24.2/24

All: -145.756+/-81.323 χ^2/NDF: 38.6/45



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 320.528+/-0.109 χ^2/NDF:317367.5/5

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.068+/-0.116 χ^2/NDF:545092.5/4

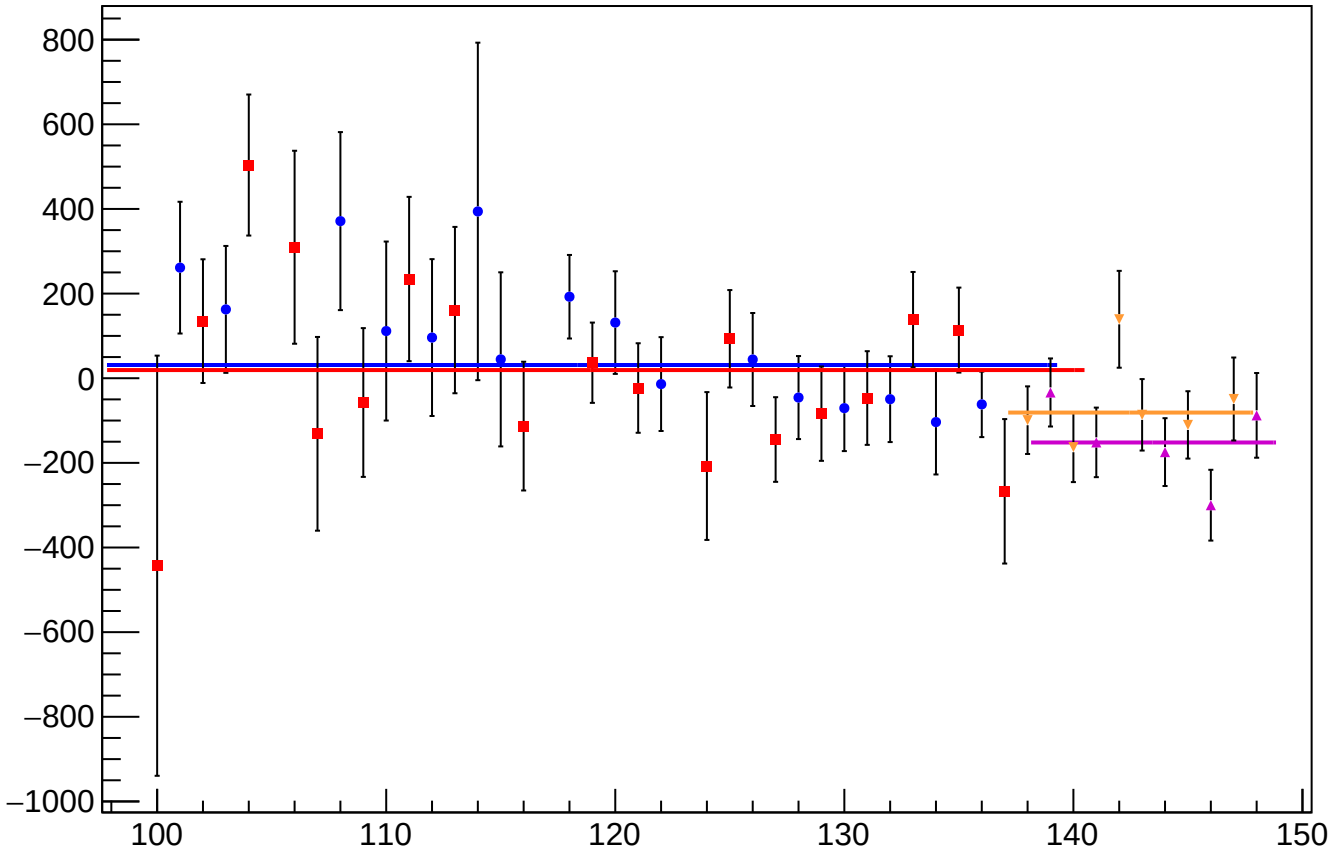
Left: 324.075+/-0.079 χ^2/NDF: 864712.6/10

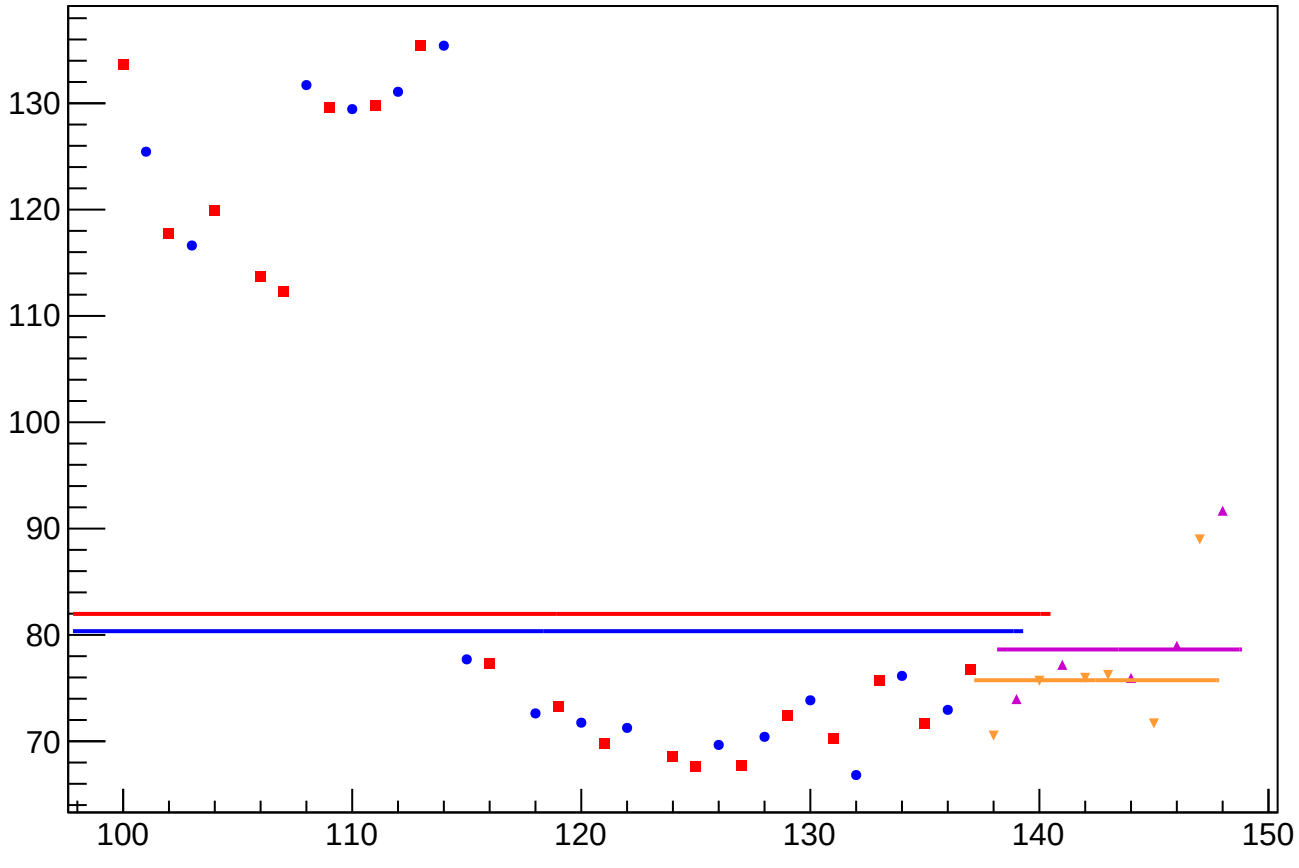
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 365.300+/-0.082 χ^2/NDF:3112983.2/20

Out: 367.500+/-0.081 χ^2/NDF:3071582.3/24

All: 366.413+/-0.058 χ^2/NDF: 6184931.5/45


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -81.133+/-35.758 χ²/NDF:5.0/5
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -151.848+/-37.762 χ²/NDF:5.8/4
Left: -114.564+/-25.964 χ²/NDF: 12.6/10
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -41.851+/-23.861 χ²/NDF:35.0/20
Out: -23.900+/-23.449 χ²/NDF:35.2/24
All: -32.719+/-16.725 χ²/NDF: 70.5/45



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

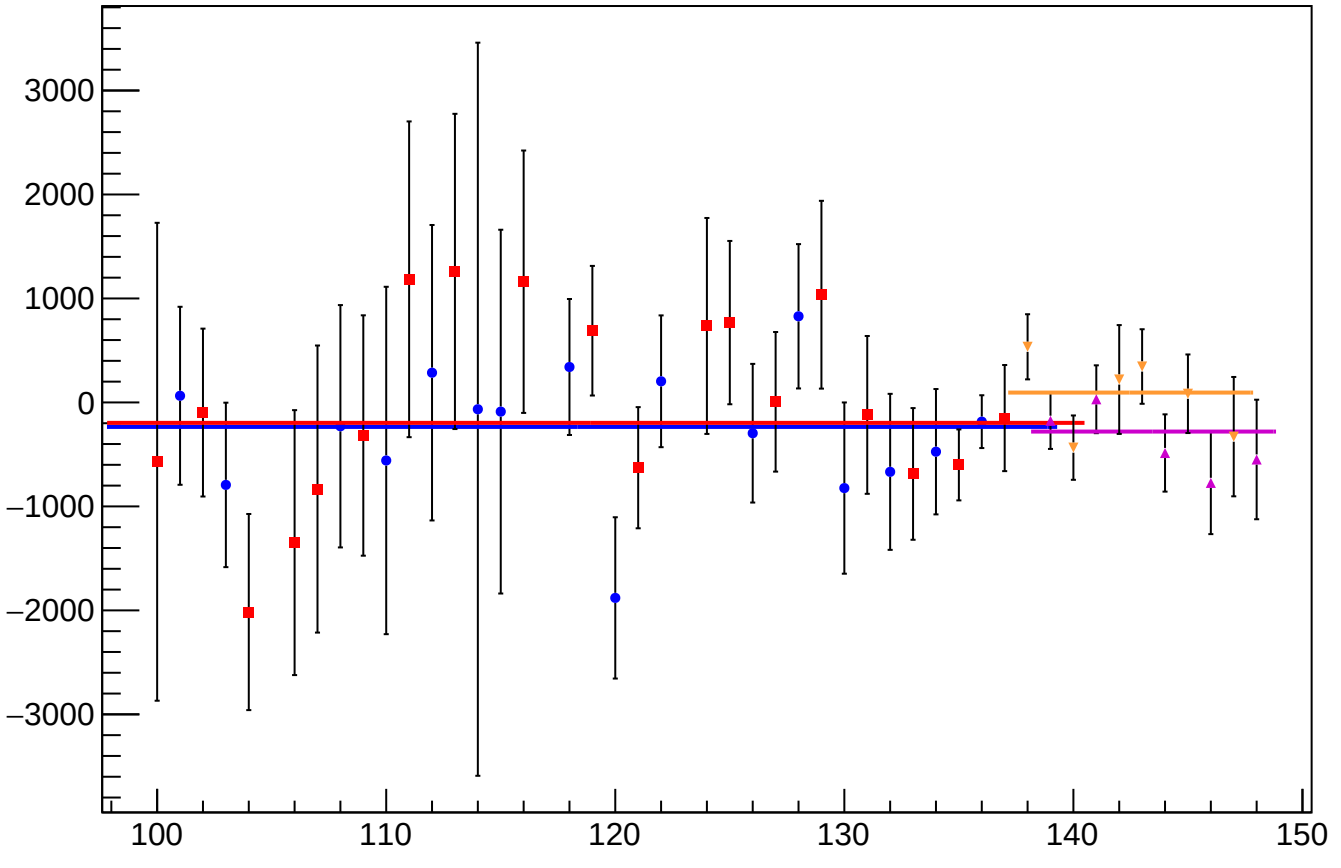
Left: 77.108+/-0.018 χ^2/NDF: 100124.6/10

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.667+/-0.017 χ^2/NDF:886148.5/20

Out: 79.296+/-0.017 χ^2/NDF:1015472.8/24

All: 79.478+/-0.012 χ^2/NDF: 1901867.5/45



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.769+/-154.113 χ^2/NDF:6.0/5

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -280.242+/-163.490 χ^2/NDF:2.6/4

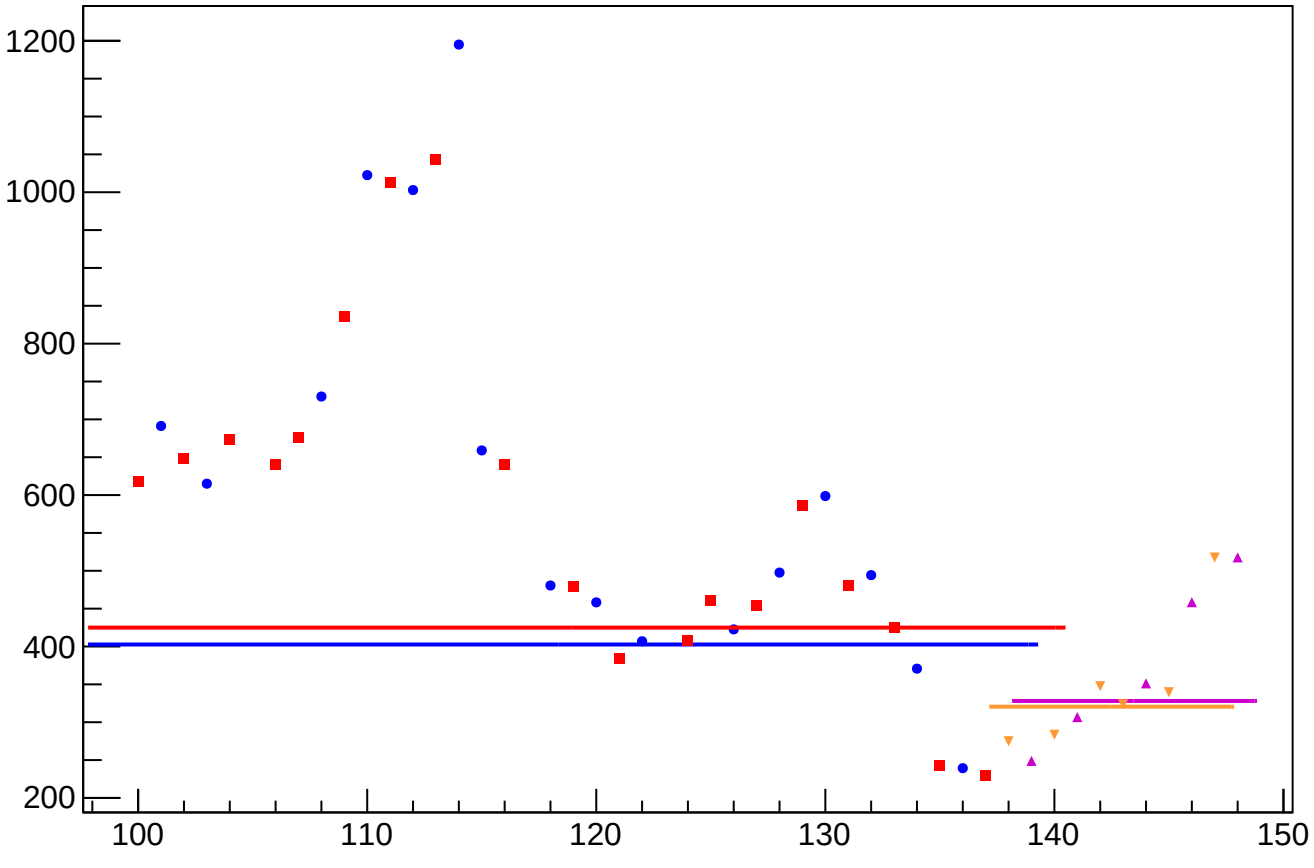
Left: -81.675+/-112.143 χ^2/NDF: 11.4/10

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -257.918+/-115.702 χ^2/NDF:12.6/20

Out: -36.241+/-114.328 χ^2/NDF:24.2/24

All: -145.756+/-81.323 χ^2/NDF: 38.6/45



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 320.528+/-0.109 χ^2/NDF:317367.5/5

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.068+/-0.116 χ^2/NDF:545092.5/4

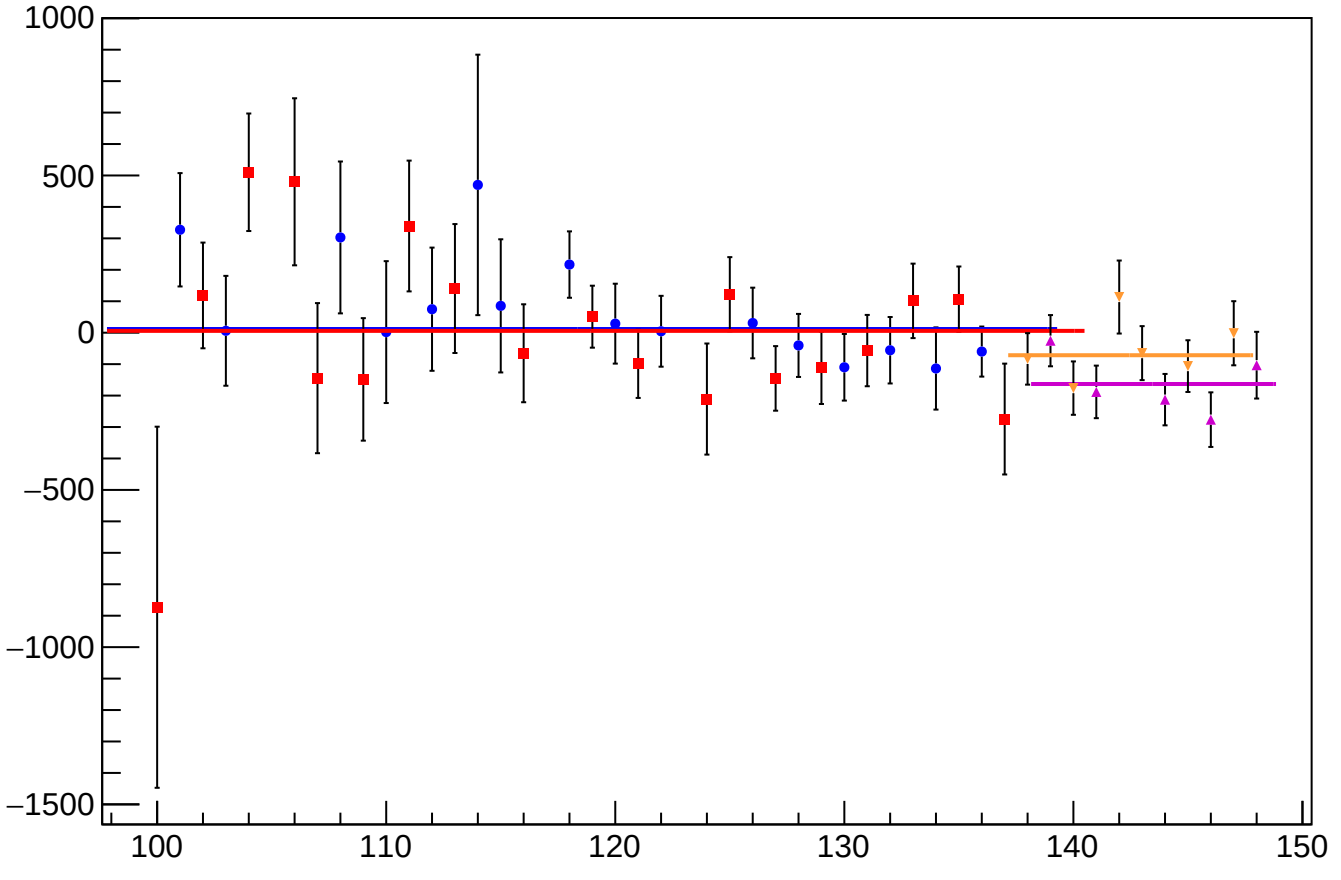
Left: 324.075+/-0.079 χ^2/NDF: 864712.6/10

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 365.300+/-0.082 χ^2/NDF:3112983.2/20

Out: 367.500+/-0.081 χ^2/NDF:3071582.3/24

All: 366.413+/-0.058 χ^2/NDF: 6184931.5/45



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -71.658+/-36.714 χ^2/NDF:4.7/5

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -163.152+/-38.772 χ^2/NDF:5.3/4

Left: -114.912+/-26.658 χ^2/NDF: 13.0/10

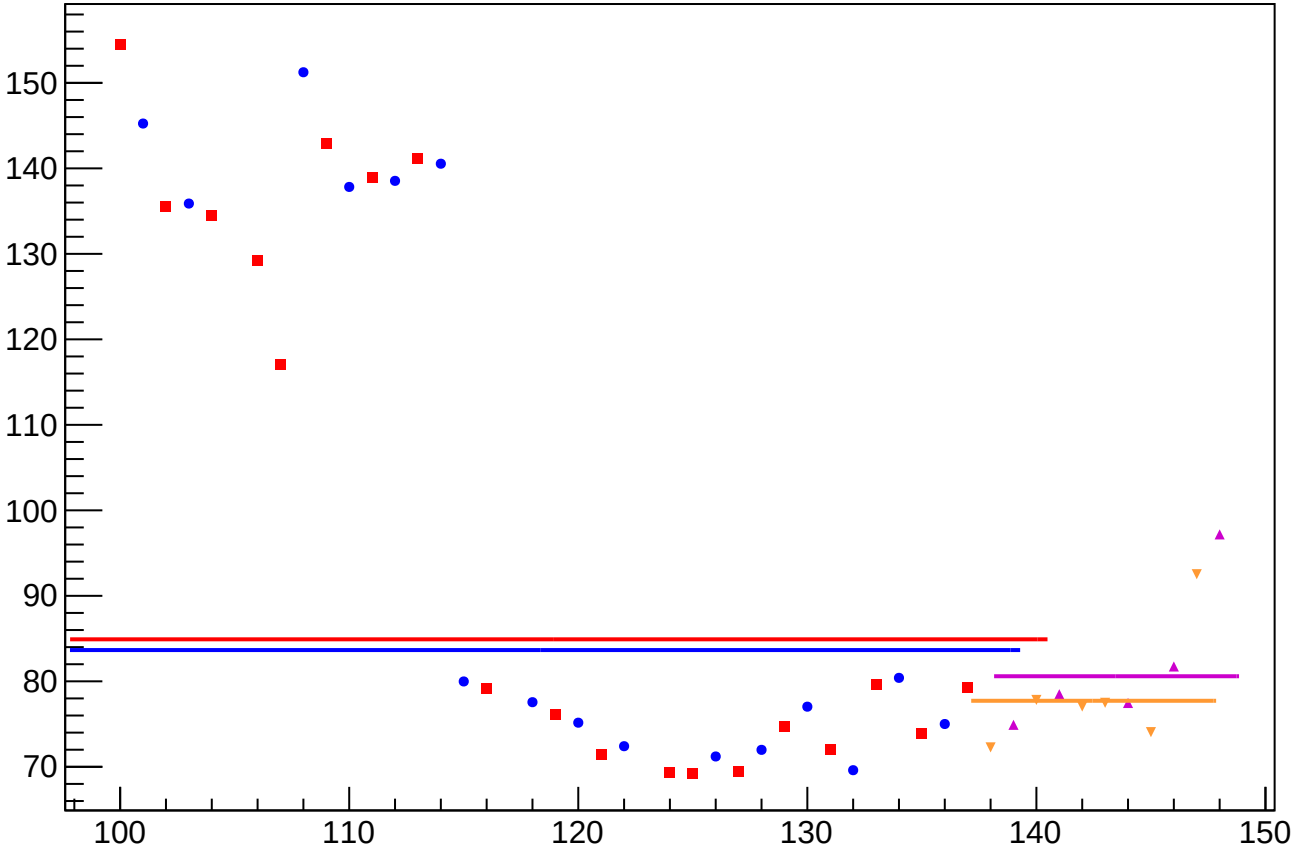
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -59.956+/-24.815 χ^2/NDF:30.9/20

Out: -28.155+/-24.311 χ^2/NDF:36.0/24

All: -43.729+/-17.366 χ^2/NDF: 67.7/45

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 77.724+/-0.026 χ^2/NDF:55101.6/5

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 80.594+/-0.027 χ^2/NDF:63187.9/4

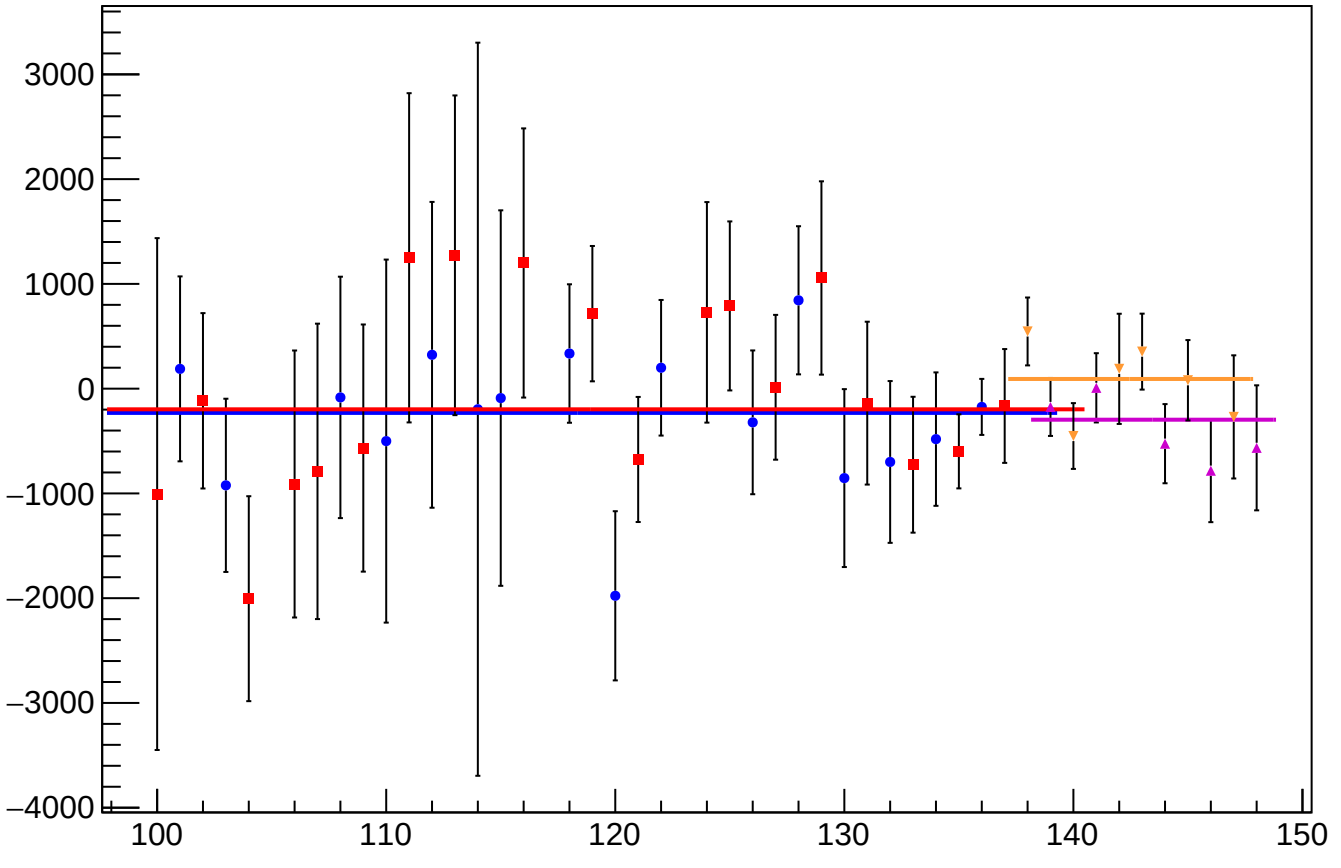
Left: 79.081+/-0.019 χ^2/NDF: 124068.3/10

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.402+/-0.018 χ^2/NDF:1105349.8/20

Out: 81.761+/-0.017 χ^2/NDF:1219828.0/24

All: 82.075+/-0.012 χ^2/NDF: 2325860.2/45



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 92.477+/-156.973 χ^2/NDF:5.9/5

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -296.369+/-166.266 χ^2/NDF:2.6/4

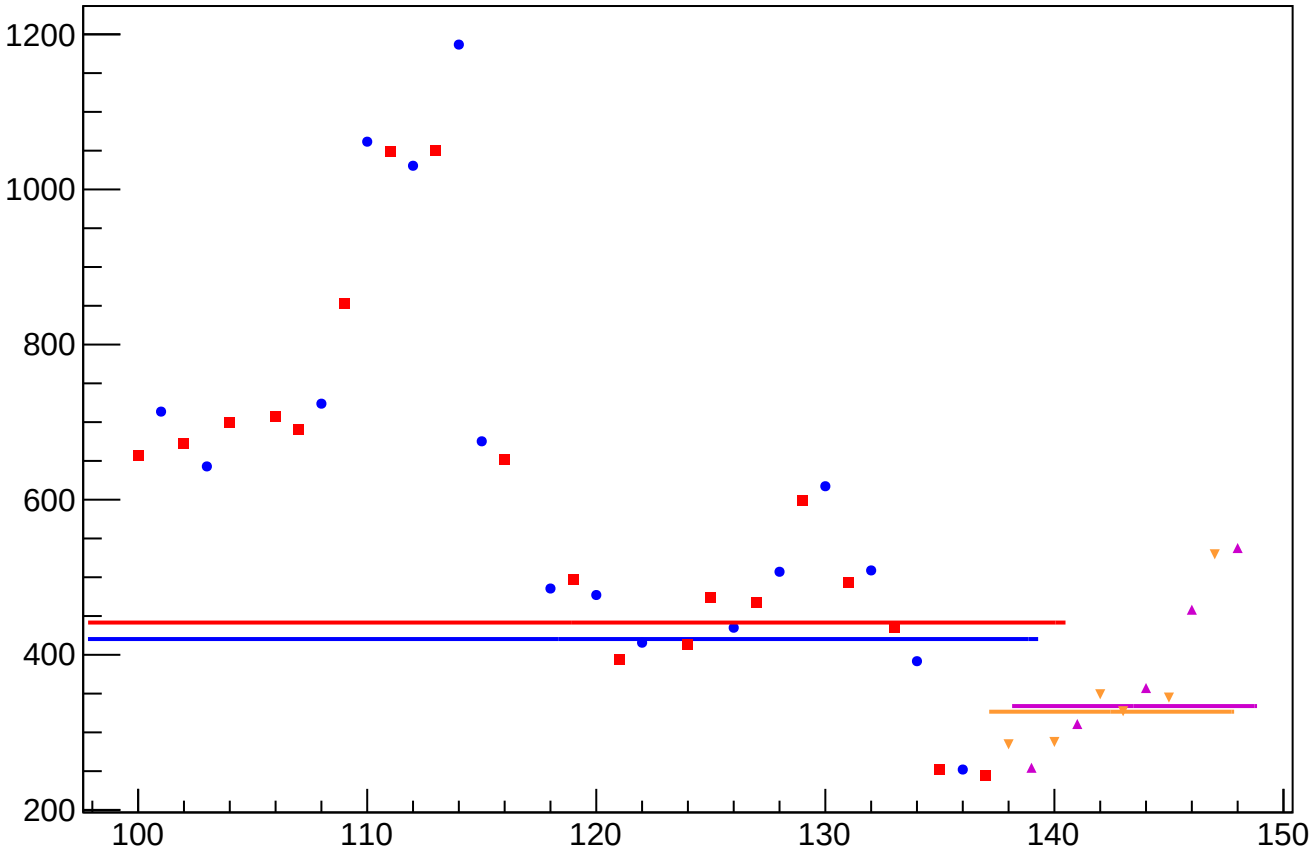
Left: -90.775+/-114.141 χ^2/NDF: 11.4/10

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -264.634+/-118.911 χ^2/NDF:13.1/20

Out: -35.791+/-117.175 χ^2/NDF:23.3/24

All: -148.530+/-83.462 χ^2/NDF: 38.3/45



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 326.654+/-0.111 χ^2/NDF:311098.8/5

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 333.921+/-0.118 χ^2/NDF:543822.7/4

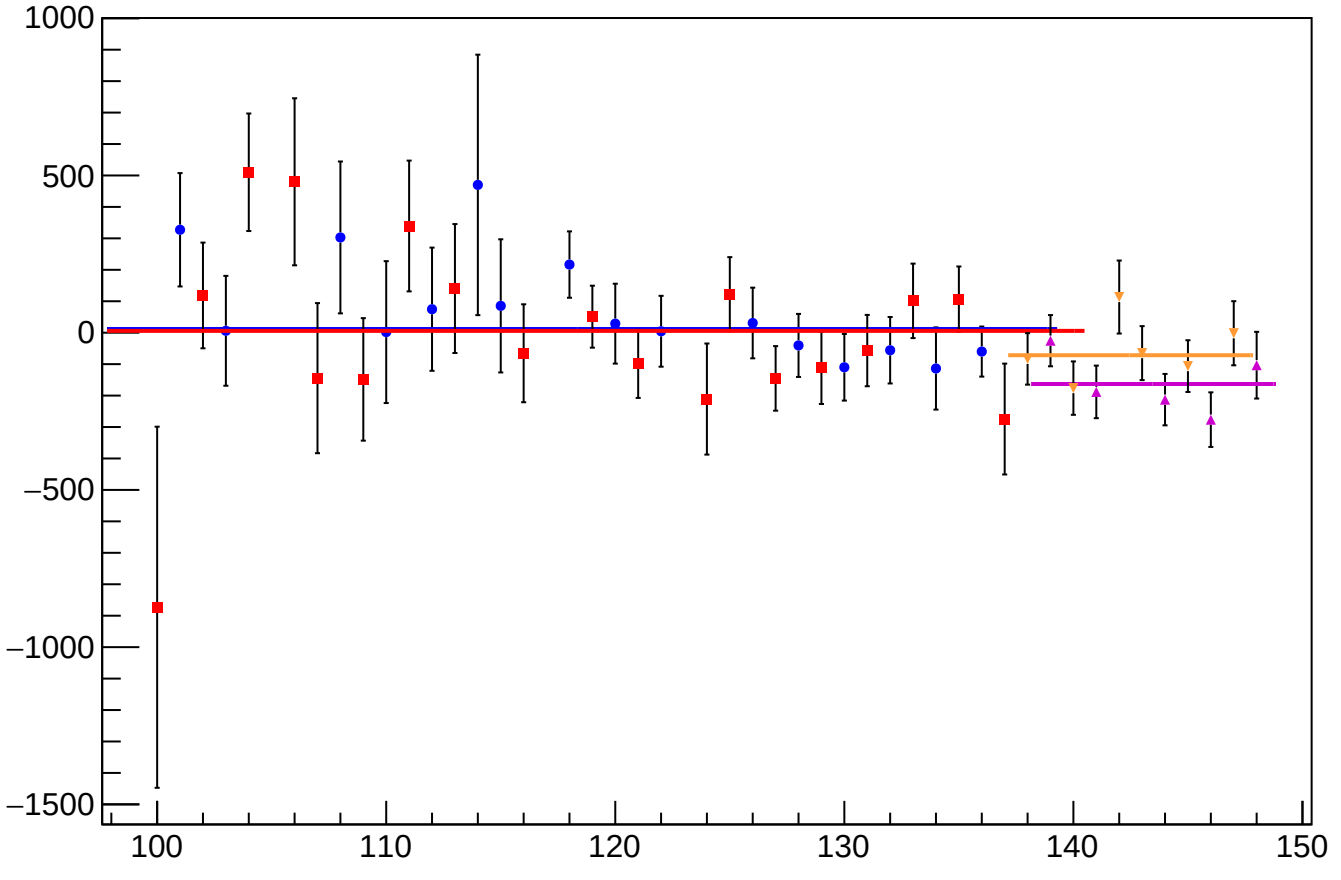
Left: 330.079+/-0.081 χ^2/NDF: 856941.1/10

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 376.132+/-0.084 χ^2/NDF:3062312.8/20

Out: 377.550+/-0.083 χ^2/NDF:3093521.4/24

All: 376.851+/-0.059 χ^2/NDF: 6155978.5/45



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -71.659+/-36.714 χ^2/NDF:4.7/5

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -163.151+/-38.772 χ^2/NDF:5.3/4

Left: -114.913+/-26.658 χ^2/NDF: 13.0/10

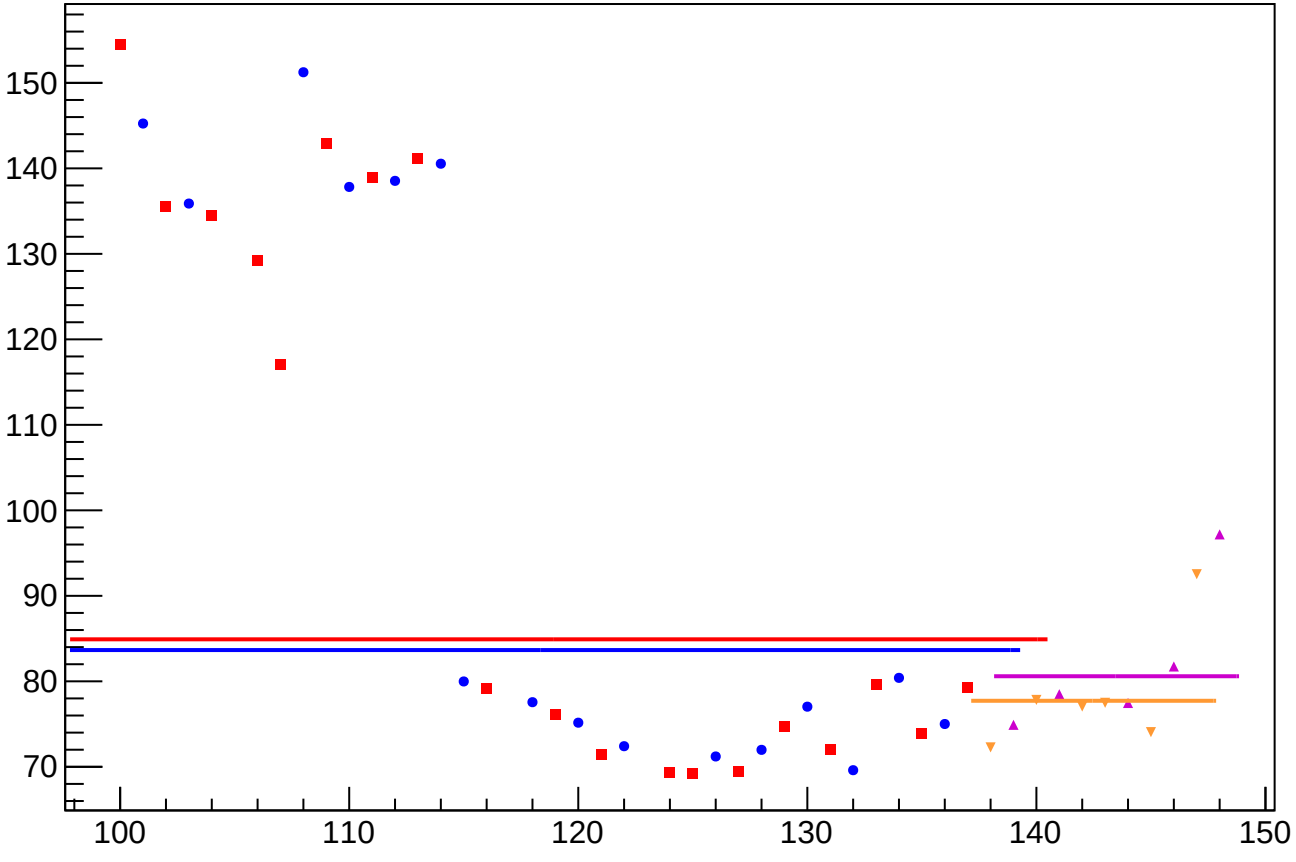
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -59.956+/-24.815 χ^2/NDF:30.9/20

Out: -28.156+/-24.311 χ^2/NDF:36.0/24

All: -43.729+/-17.366 χ^2/NDF: 67.7/45

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 77.724+/-0.026 χ^2/NDF:55101.3/5

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 80.594+/-0.027 χ^2/NDF:63187.2/4

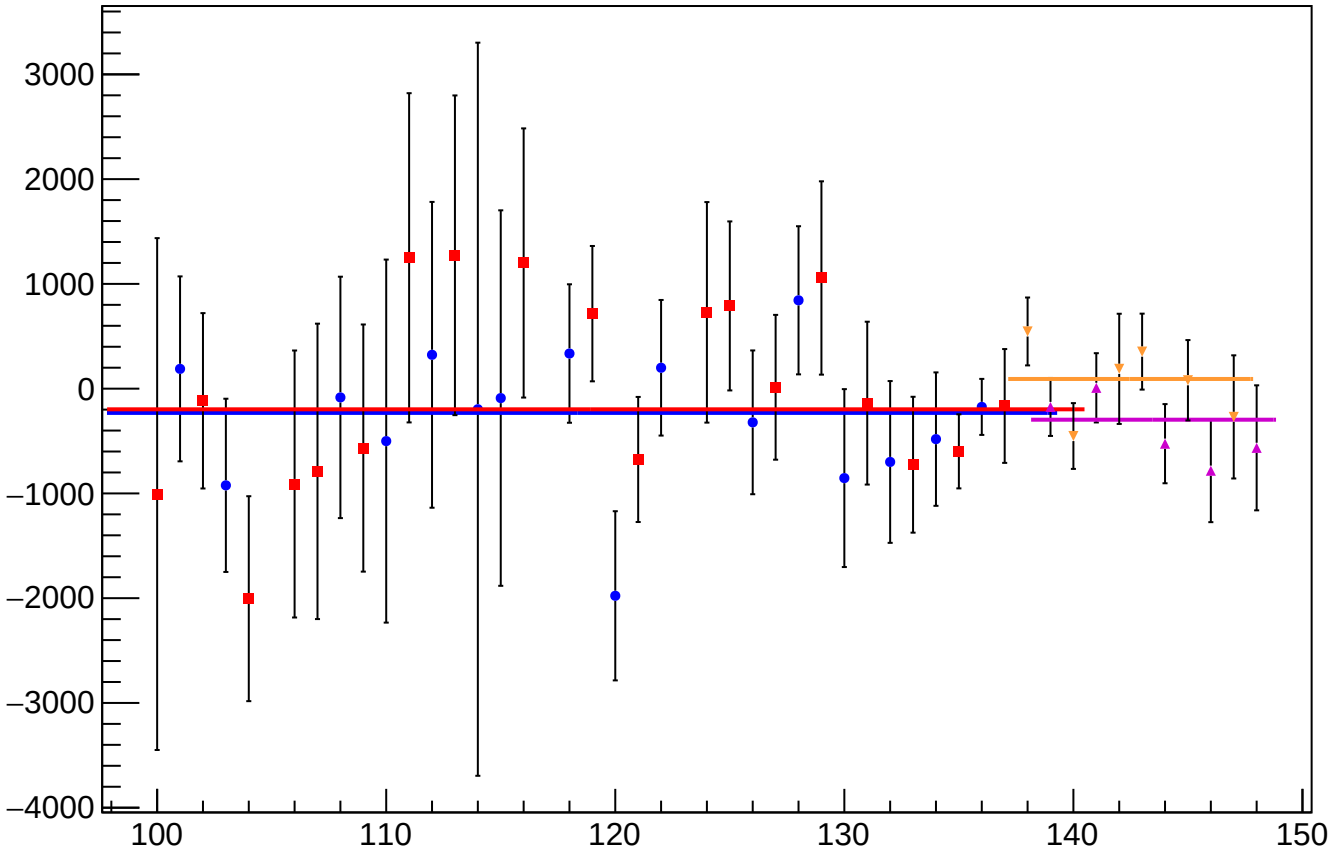
Left: 79.081+/-0.019 χ^2/NDF: 124067.3/10

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.402+/-0.018 χ^2/NDF:1105348.4/20

Out: 81.761+/-0.017 χ^2/NDF:1219825.9/24

All: 82.075+/-0.012 χ^2/NDF: 2325856.7/45



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 92.476+/-156.973 χ^2/NDF:5.9/5

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -296.369+/-166.266 χ^2/NDF:2.6/4

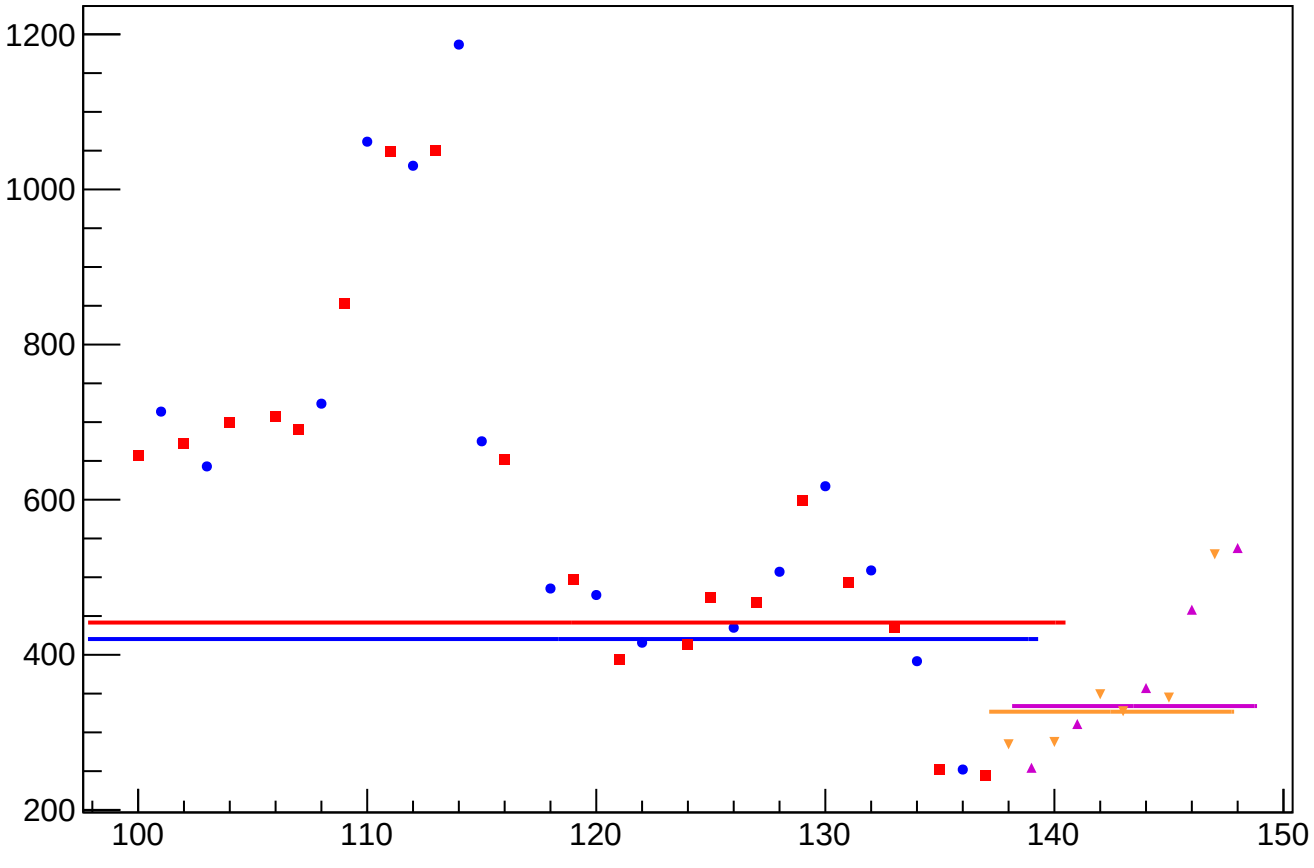
Left: -90.776+/-114.141 χ^2/NDF: 11.4/10

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -264.633+/-118.911 χ^2/NDF:13.1/20

Out: -35.792+/-117.175 χ^2/NDF:23.3/24

All: -148.530+/-83.462 χ^2/NDF: 38.3/45



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 326.654+/-0.111 χ^2/NDF:311098.4/5

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 333.920+/-0.118 χ^2/NDF:543823.2/4

Left: 330.079+/-0.081 χ^2/NDF: 856941.3/10

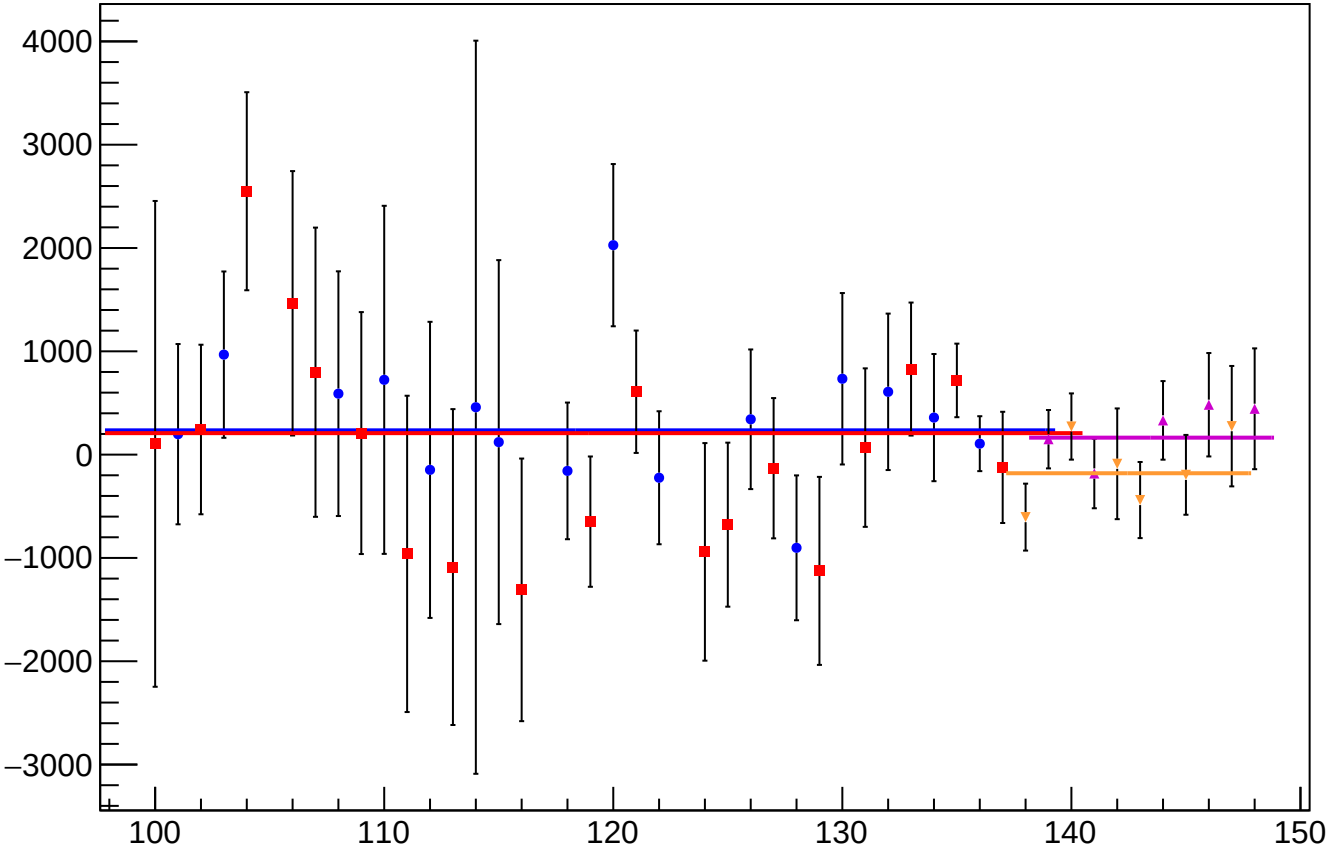
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 376.131+/-0.084 χ^2/NDF:3062316.6/20

Out: 377.549+/-0.083 χ^2/NDF:3093524.8/24

All: 376.851+/-0.059 χ^2/NDF: 6155985.7/45

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -180.186+/-158.607 χ^2/NDF:4.8/5

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 164.270+/-168.621 χ^2/NDF:1.9/4

Left: -18.489+/-115.530 χ^2/NDF: 9.0/10

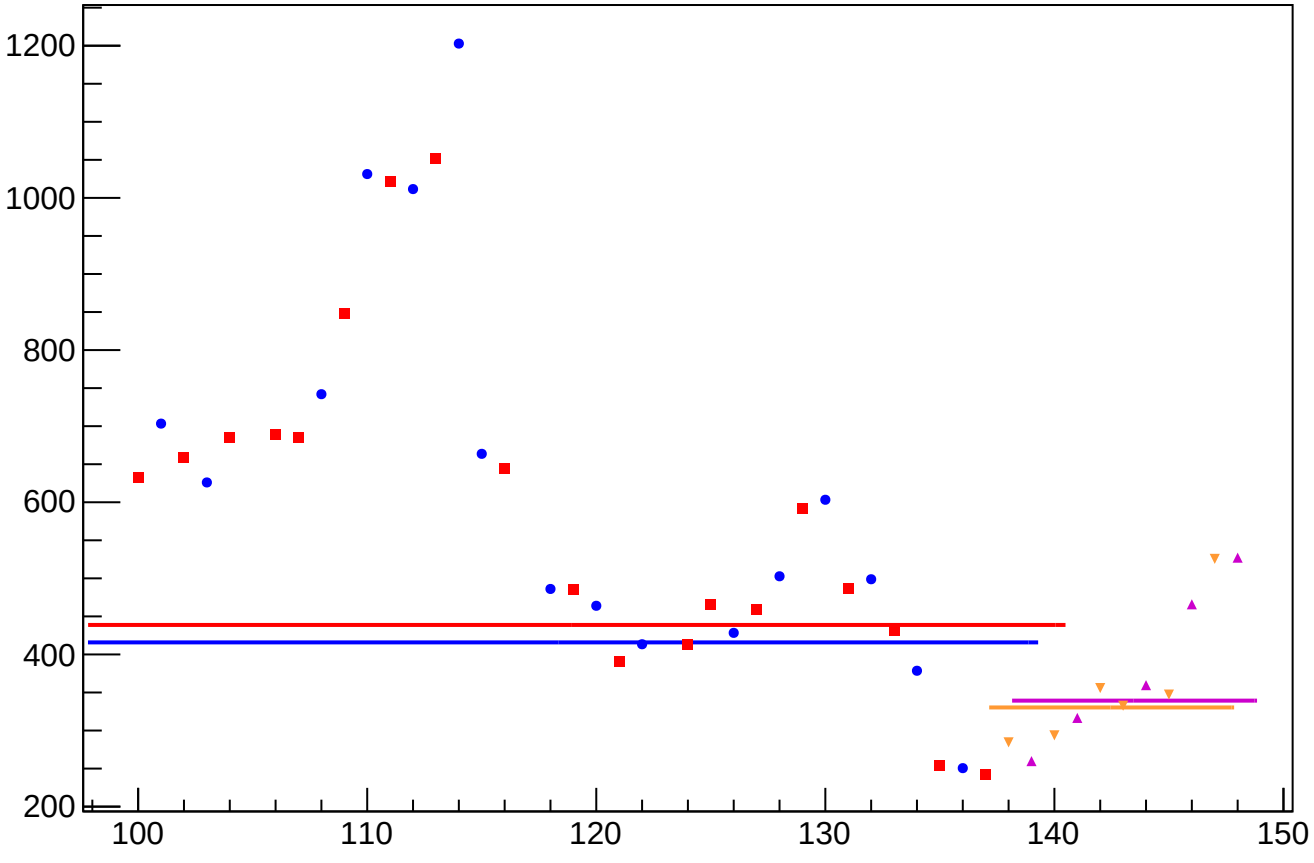
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 199.750+/-119.083 χ^2/NDF:12.7/20

Out: -4.839+/-117.435 χ^2/NDF:27.9/24

All: 96.030+/-83.616 χ^2/NDF: 42.1/45

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 330.337+/-0.112 χ^2/NDF:299162.2/5

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.301+/-0.119 χ^2/NDF:507501.1/4

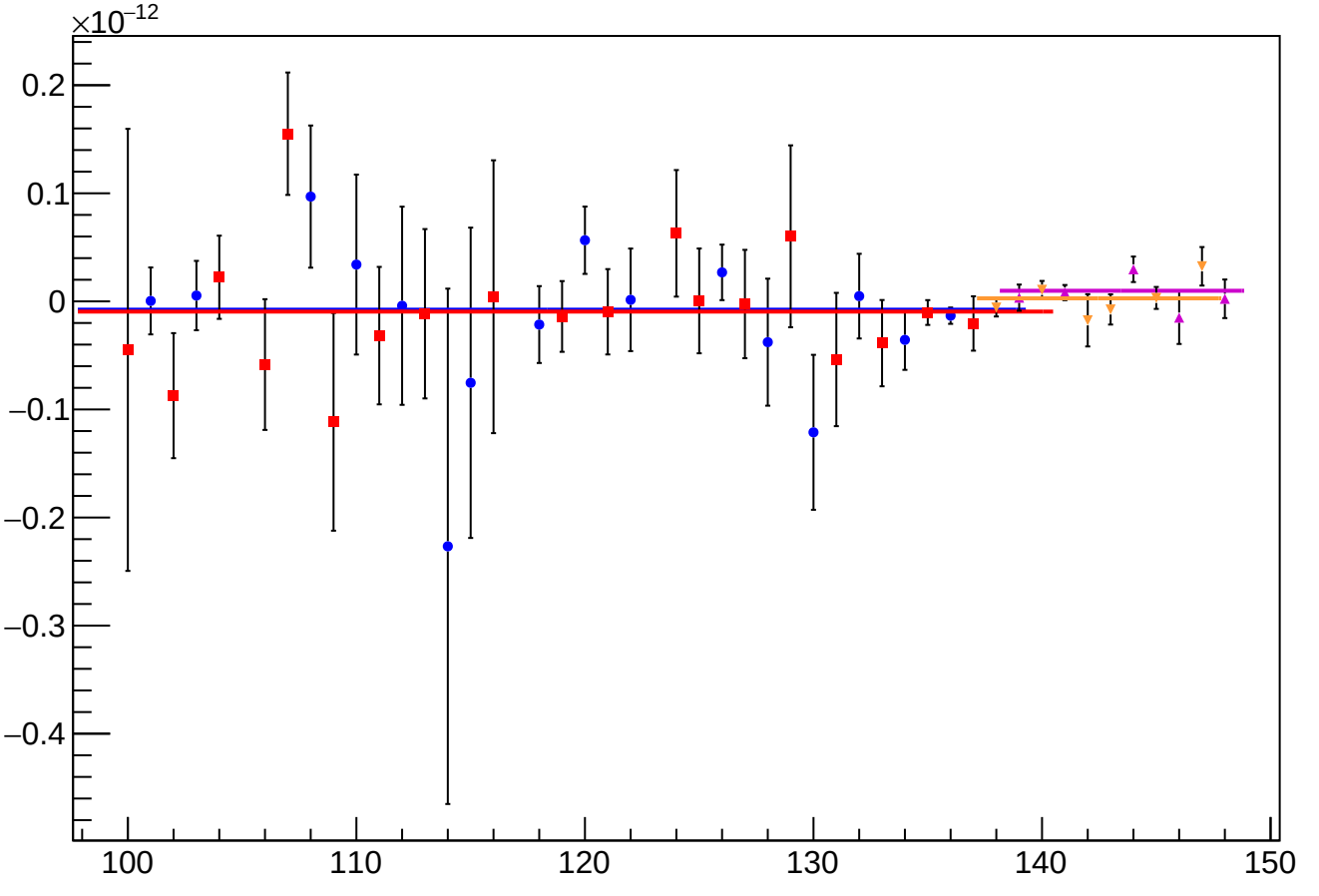
Left: 334.545+/-0.082 χ^2/NDF: 809662.1/10

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 377.666+/-0.084 χ^2/NDF:2938002.7/20

Out: 379.327+/-0.083 χ^2/NDF:2956282.7/24

All: 378.508+/-0.059 χ^2/NDF: 5894482.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/4

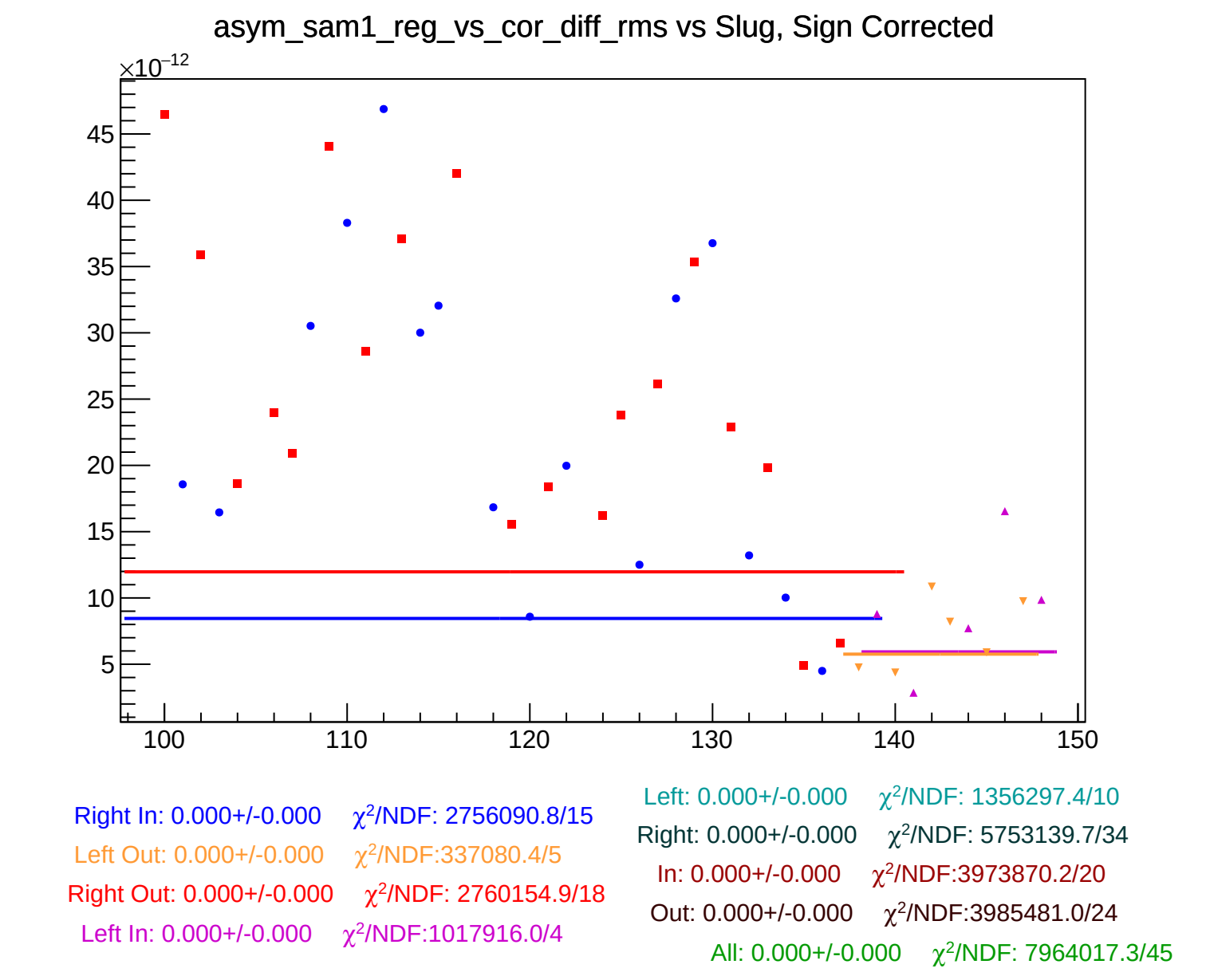
Left: 0.000+/-0.000 χ^2/NDF: 11.5/10

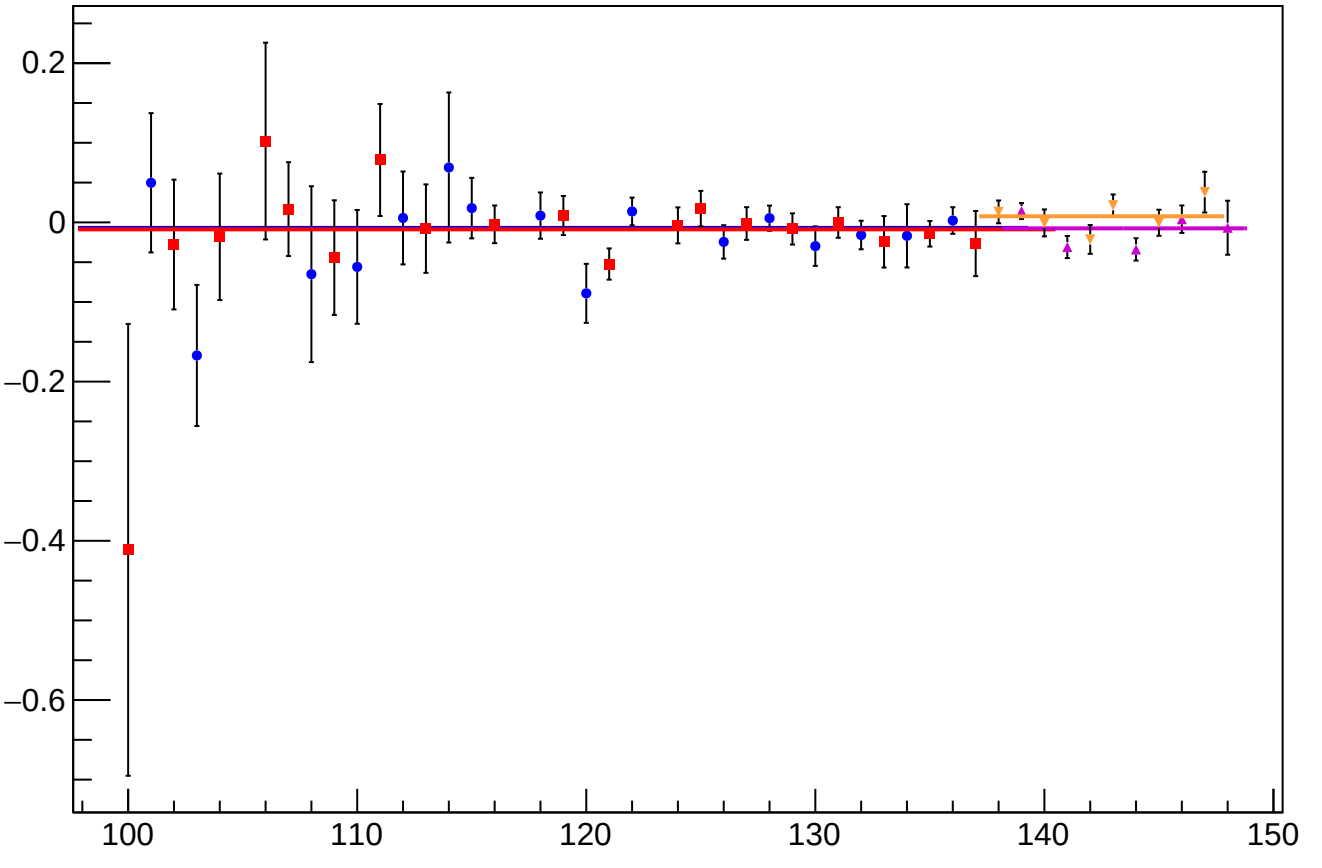
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.0/20

Out: -0.000+/-0.000 χ^2/NDF:24.1/24

All: 0.000+/-0.000 χ^2/NDF: 48.3/45


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:337080.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1017916.0/4
Left: 0.000+/-0.000 χ²/NDF: 1356297.4/10
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:3973870.2/20
Out: 0.000+/-0.000 χ²/NDF:3985481.0/24
All: 0.000+/-0.000 χ²/NDF: 7964017.3/45



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.006 χ^2/NDF:11.5/4

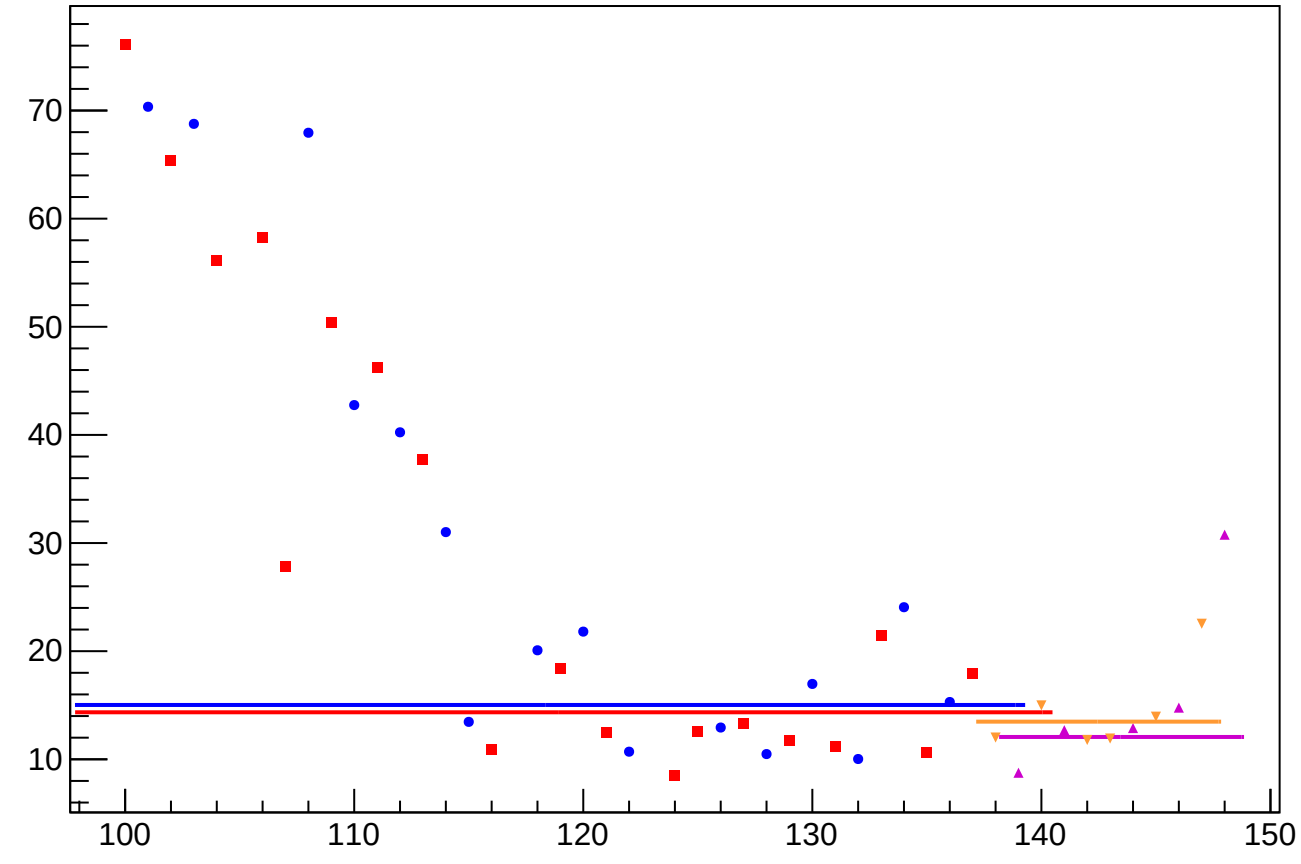
Left: -0.000+/-0.005 χ^2/NDF: 19.9/10

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/20

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/45



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.483+/-0.005 χ^2/NDF:332739.4/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

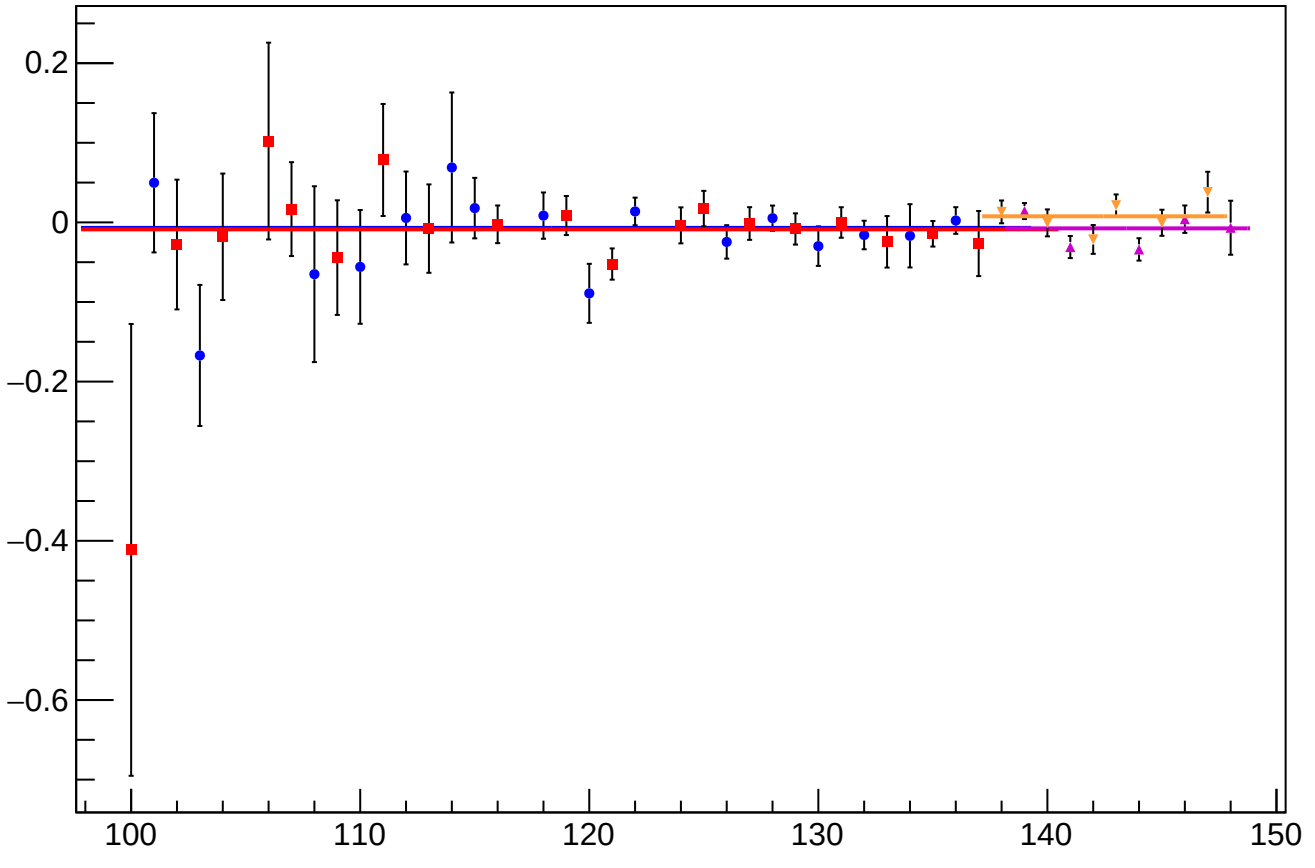
Left: 12.739+/-0.003 χ^2/NDF: 1264876.4/10

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.471+/-0.003 χ^2/NDF:4526833.6/20

Out: 13.938+/-0.003 χ^2/NDF:3979152.9/24

All: 13.705+/-0.002 χ^2/NDF: 8516136.8/45



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.006 χ^2/NDF:11.5/4

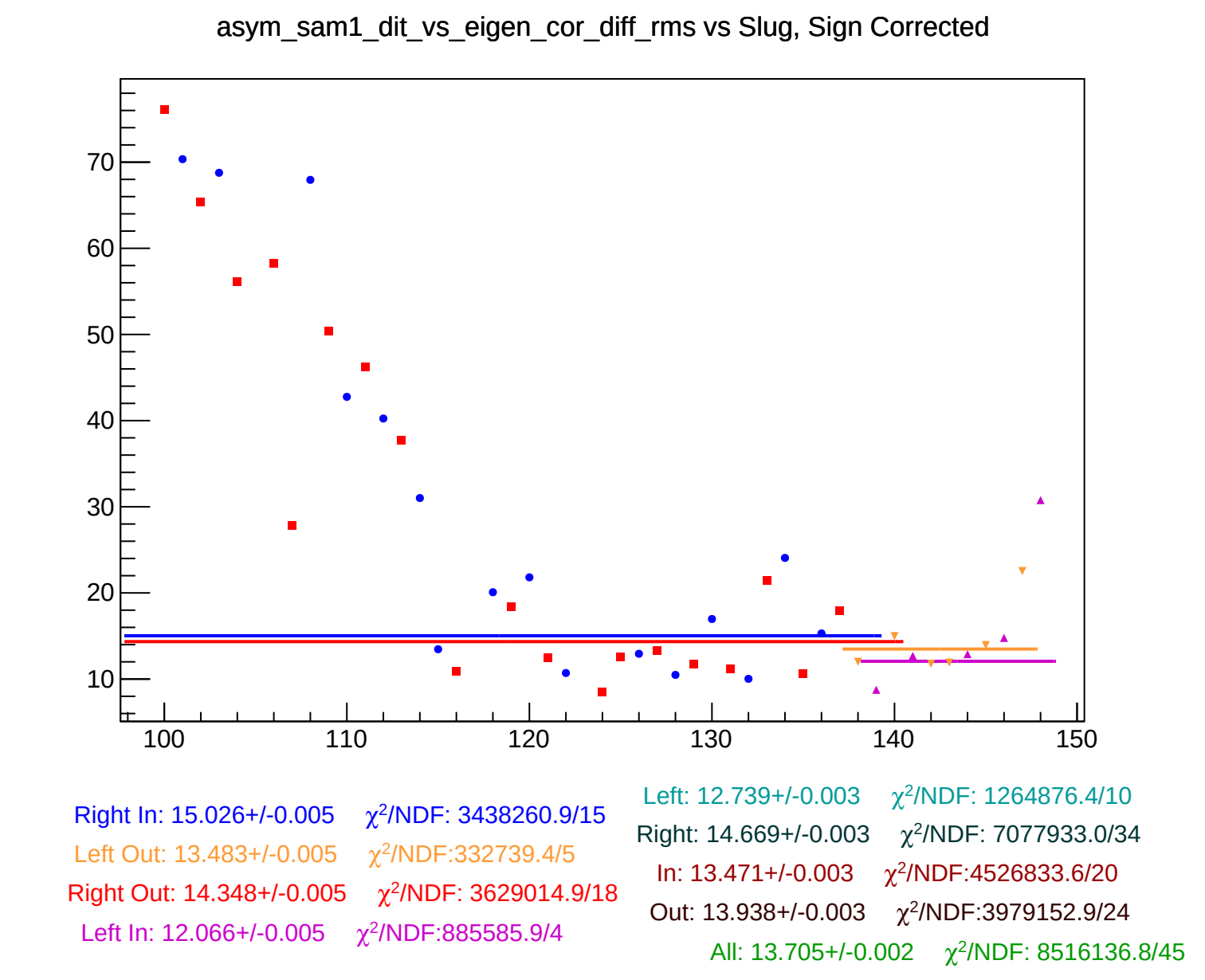
Left: -0.000+/-0.005 χ^2/NDF: 19.9/10

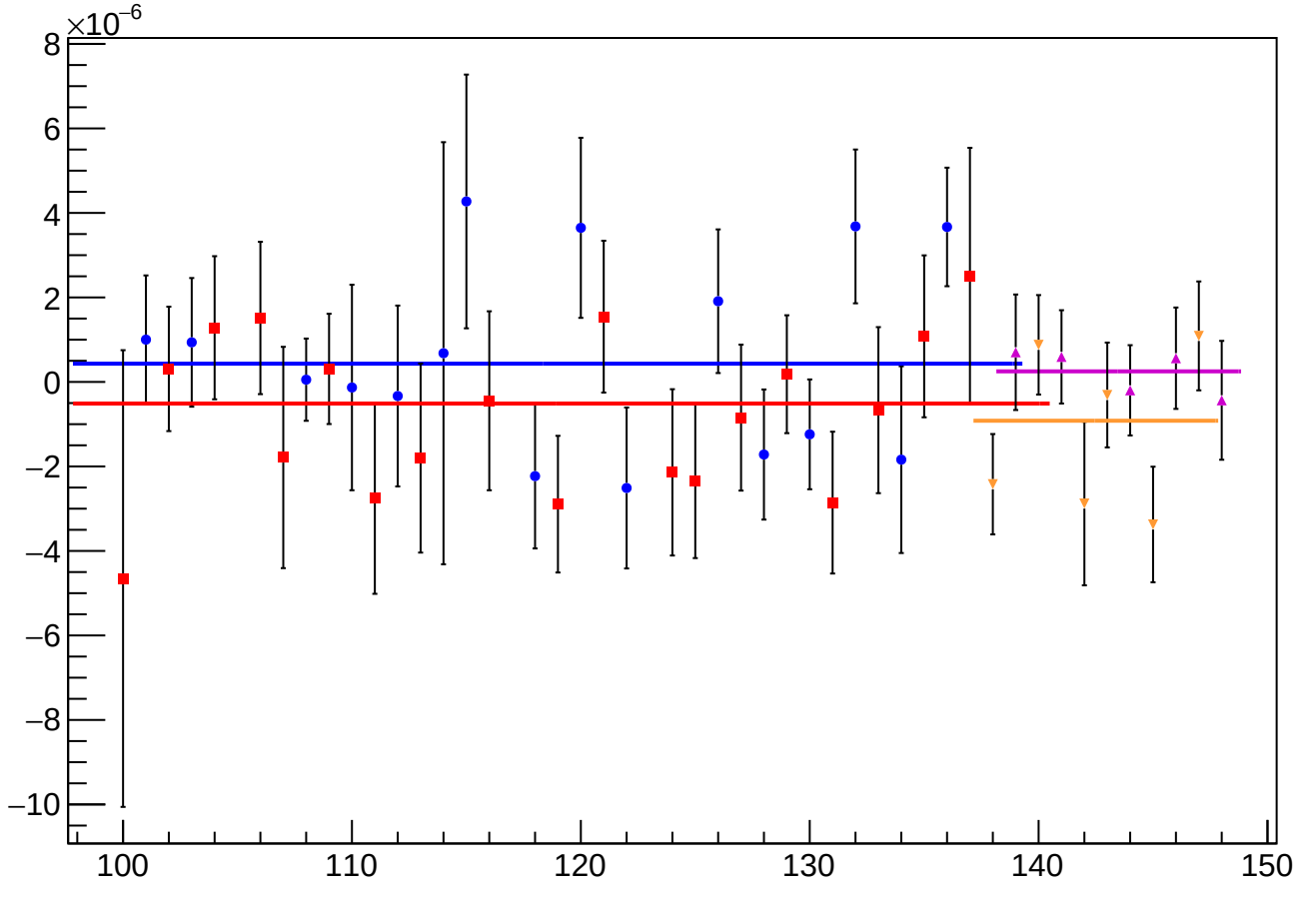
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/20

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/45


asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 15.026+/-0.005 χ²/NDF: 3438260.9/15
Left Out: 13.483+/-0.005 χ²/NDF:332739.4/5
Right Out: 14.348+/-0.005 χ²/NDF: 3629014.9/18
Left In: 12.066+/-0.005 χ²/NDF:885585.9/4
Left: 12.739+/-0.003 χ²/NDF: 1264876.4/10
Right: 14.669+/-0.003 χ²/NDF: 7077933.0/34
In: 13.471+/-0.003 χ²/NDF:4526833.6/20
Out: 13.938+/-0.003 χ²/NDF:3979152.9/24
All: 13.705+/-0.002 χ²/NDF: 8516136.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

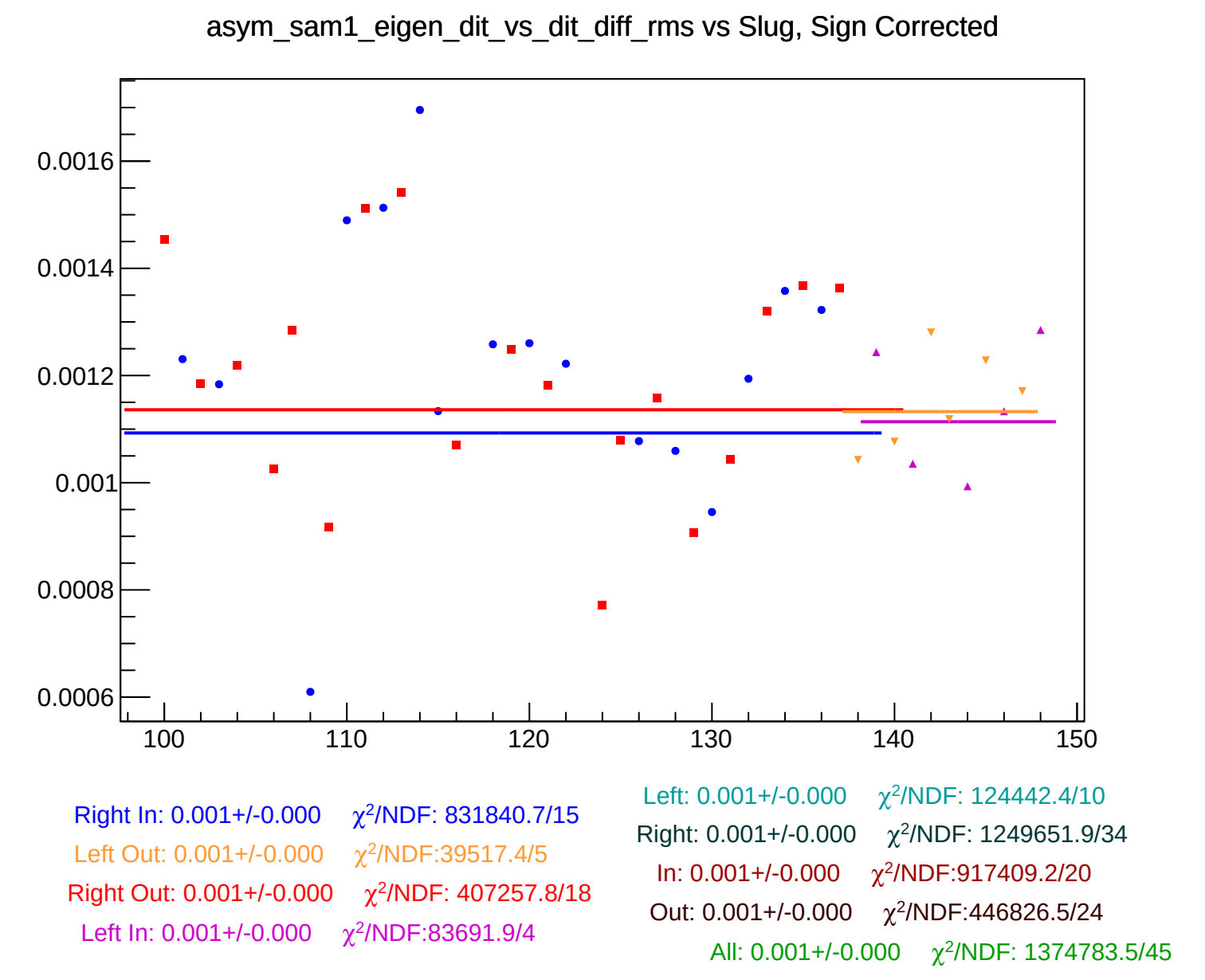
Left: -0.000+/-0.000 χ^2/NDF: 13.9/10

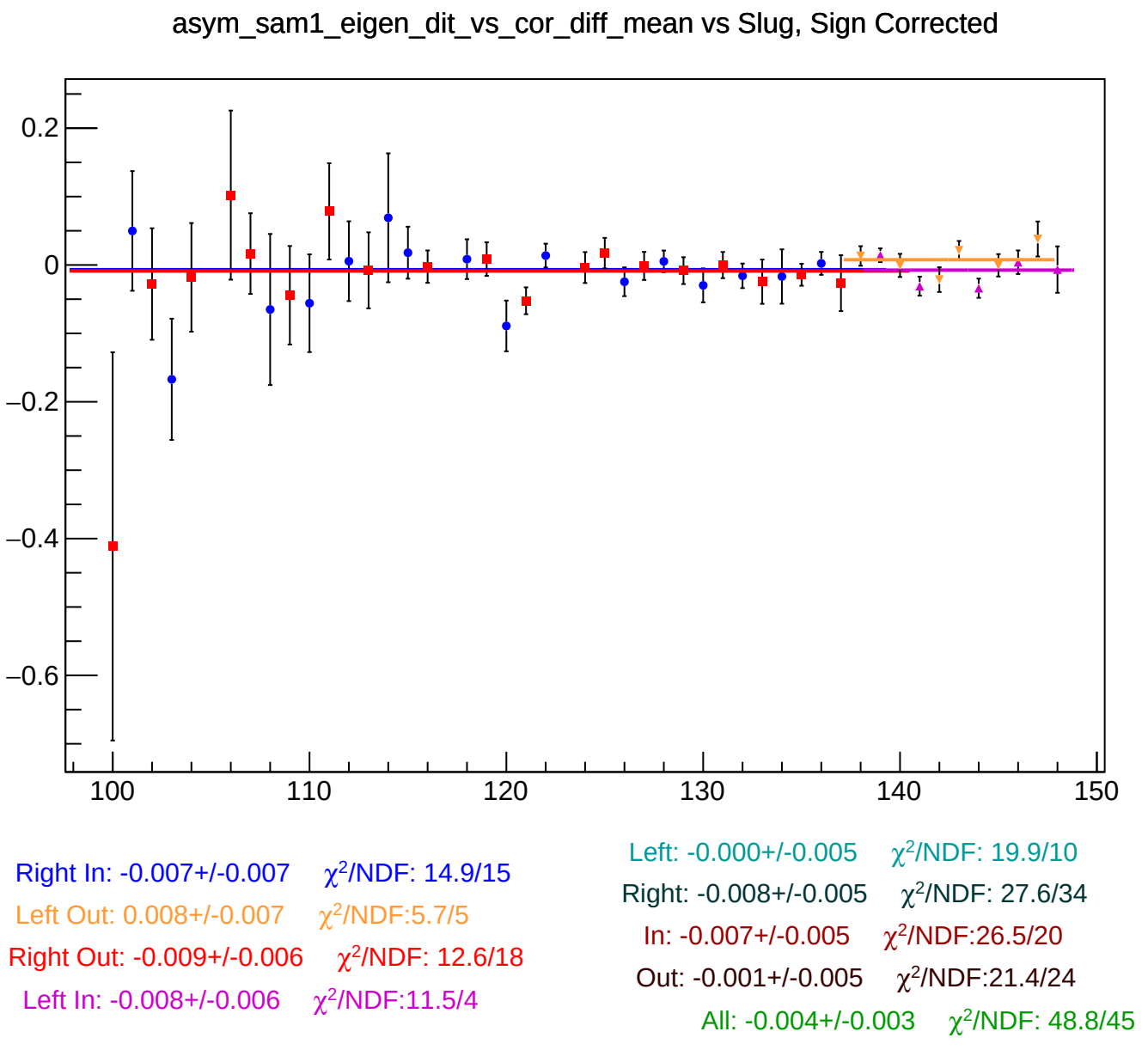
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

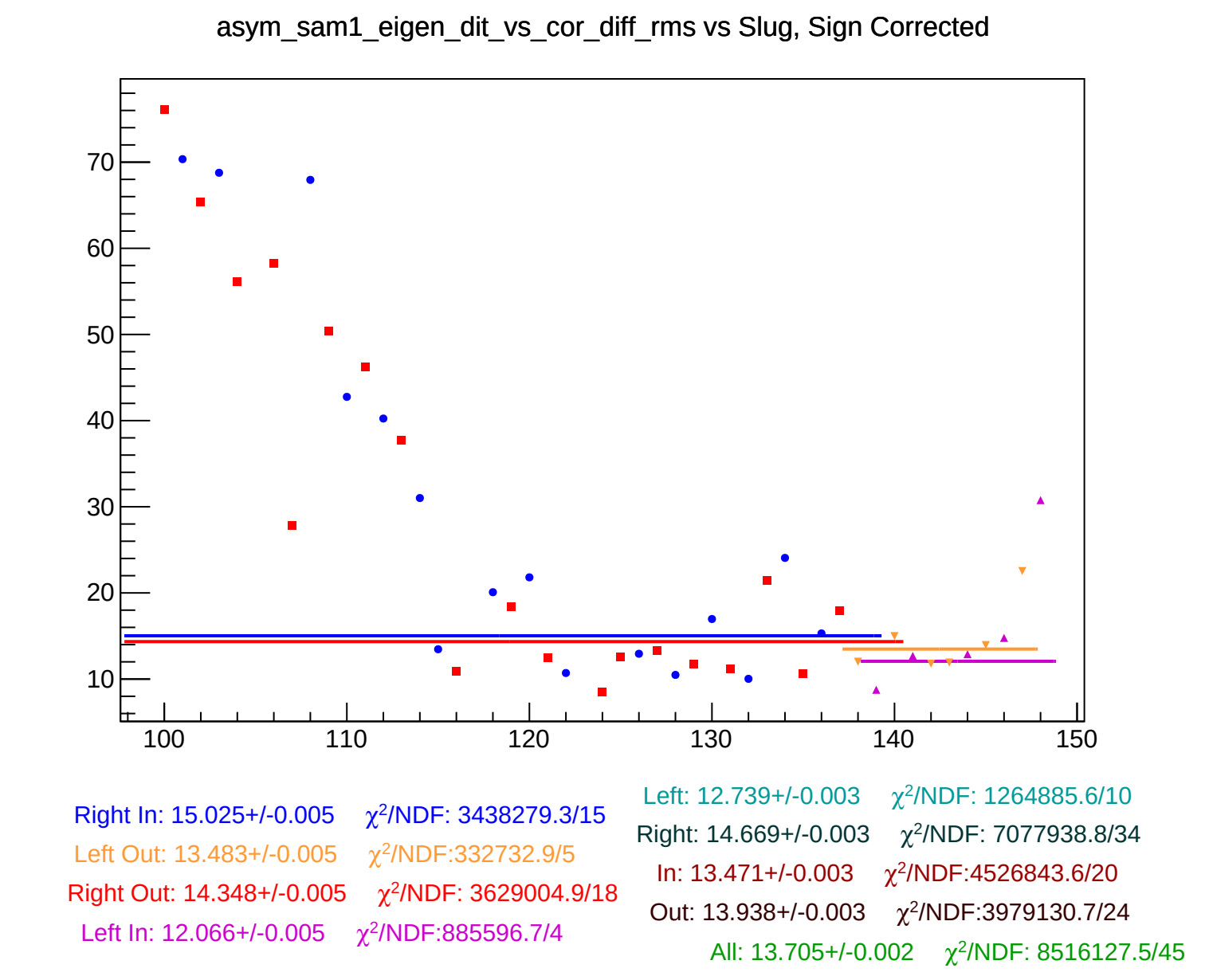
In: 0.000+/-0.000 χ^2/NDF:24.0/20

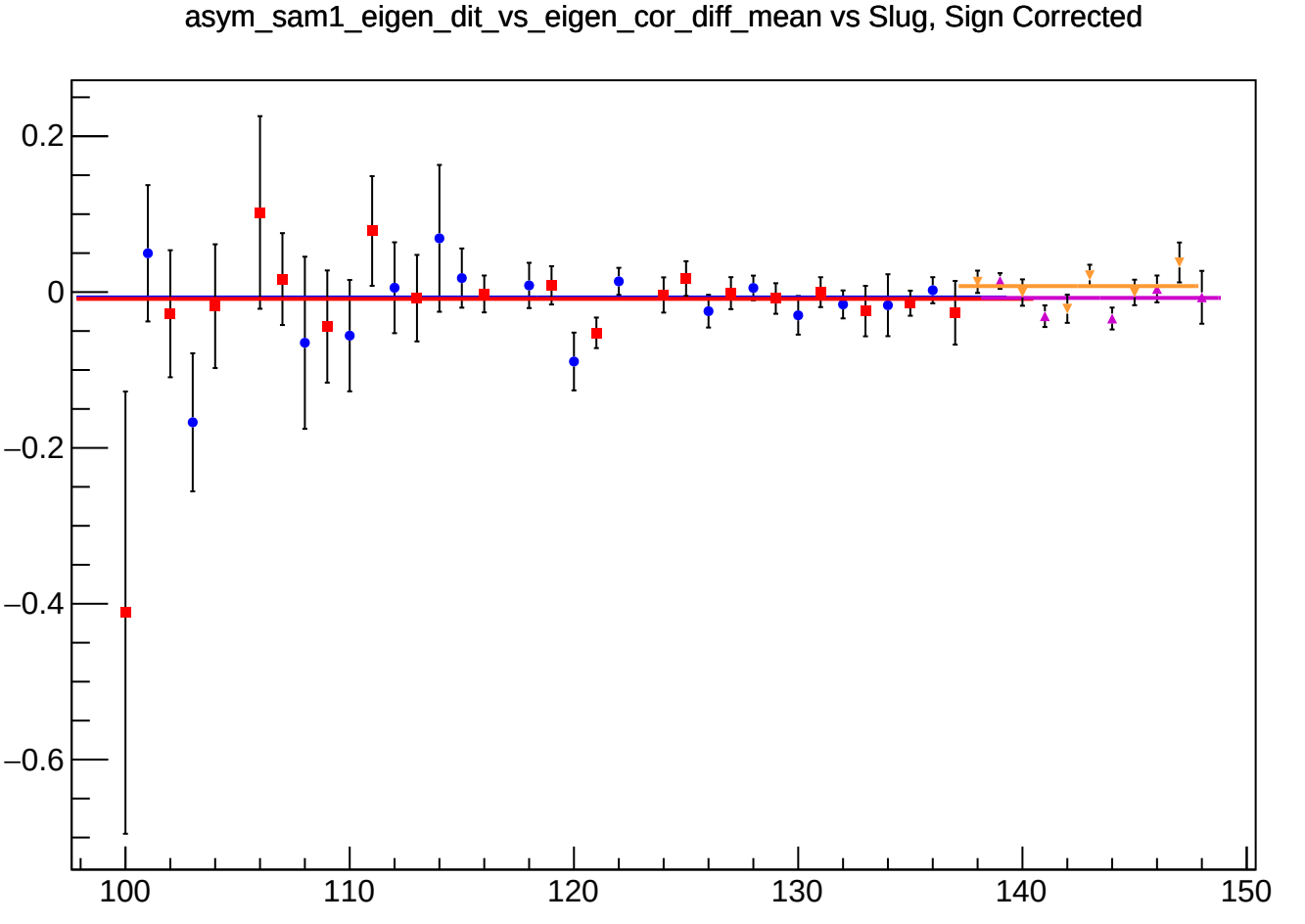
Out: -0.000+/-0.000 χ^2/NDF:25.5/24

All: -0.000+/-0.000 χ^2/NDF: 54.3/45


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
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:39517.4/5
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:83691.9/4
Left: 0.001+/-0.000 χ²/NDF: 124442.4/10
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:917409.2/20
Out: 0.001+/-0.000 χ²/NDF:446826.5/24
All: 0.001+/-0.000 χ²/NDF: 1374783.5/45


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.008+/-0.007 χ²/NDF:5.7/5
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.008+/-0.006 χ²/NDF:11.5/4
Left: -0.000+/-0.005 χ²/NDF: 19.9/10
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.005 χ²/NDF:26.5/20
Out: -0.001+/-0.005 χ²/NDF:21.4/24
All: -0.004+/-0.003 χ²/NDF: 48.8/45


asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 13.483+/-0.005 χ²/NDF:332732.9/5
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 12.066+/-0.005 χ²/NDF:885596.7/4
Left: 12.739+/-0.003 χ²/NDF: 1264885.6/10
Right: 14.669+/-0.003 χ²/NDF: 7077938.8/34
In: 13.471+/-0.003 χ²/NDF:4526843.6/20
Out: 13.938+/-0.003 χ²/NDF:3979130.7/24
All: 13.705+/-0.002 χ²/NDF: 8516127.5/45



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.006 χ^2/NDF:11.5/4

Left: -0.000+/-0.005 χ^2/NDF: 19.9/10

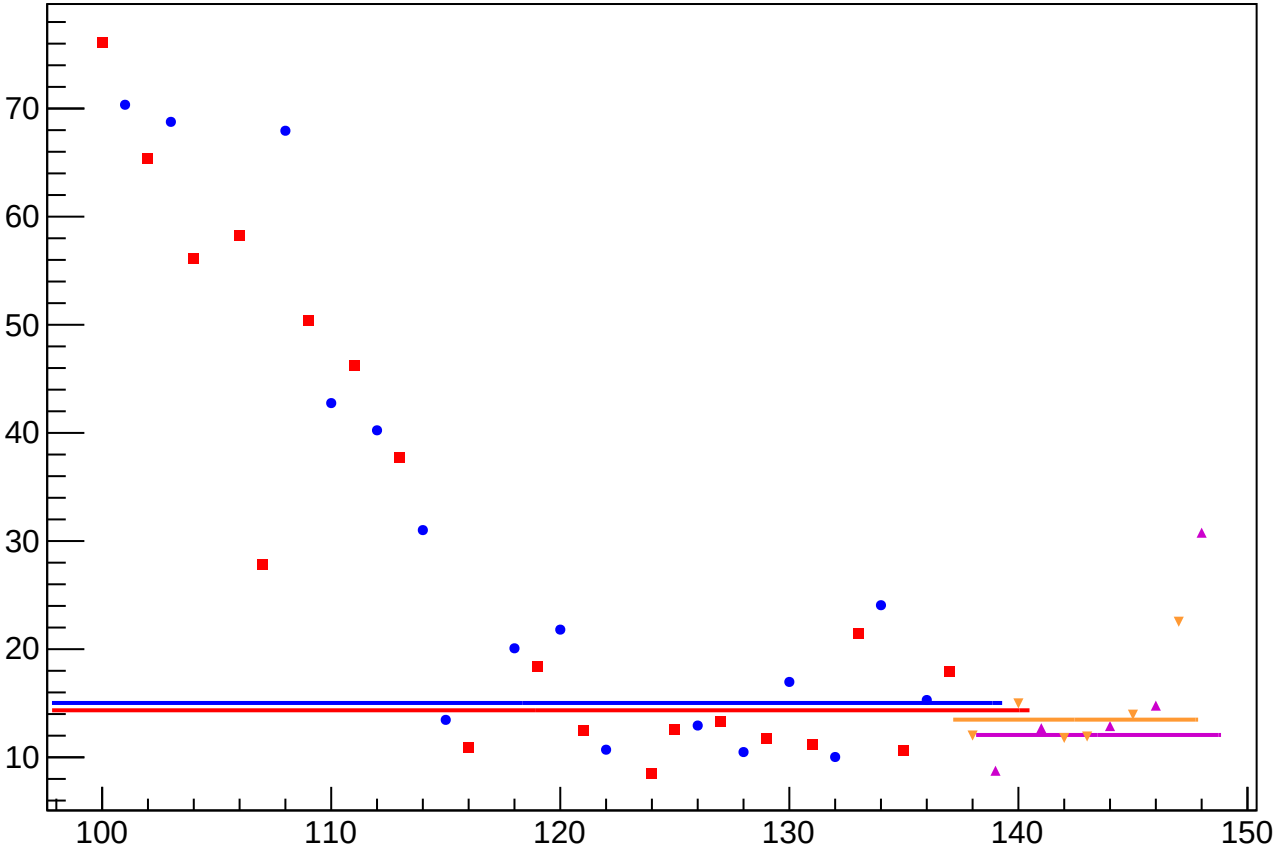
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/20

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/45

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.483+/-0.005 χ^2/NDF:332732.9/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885596.7/4

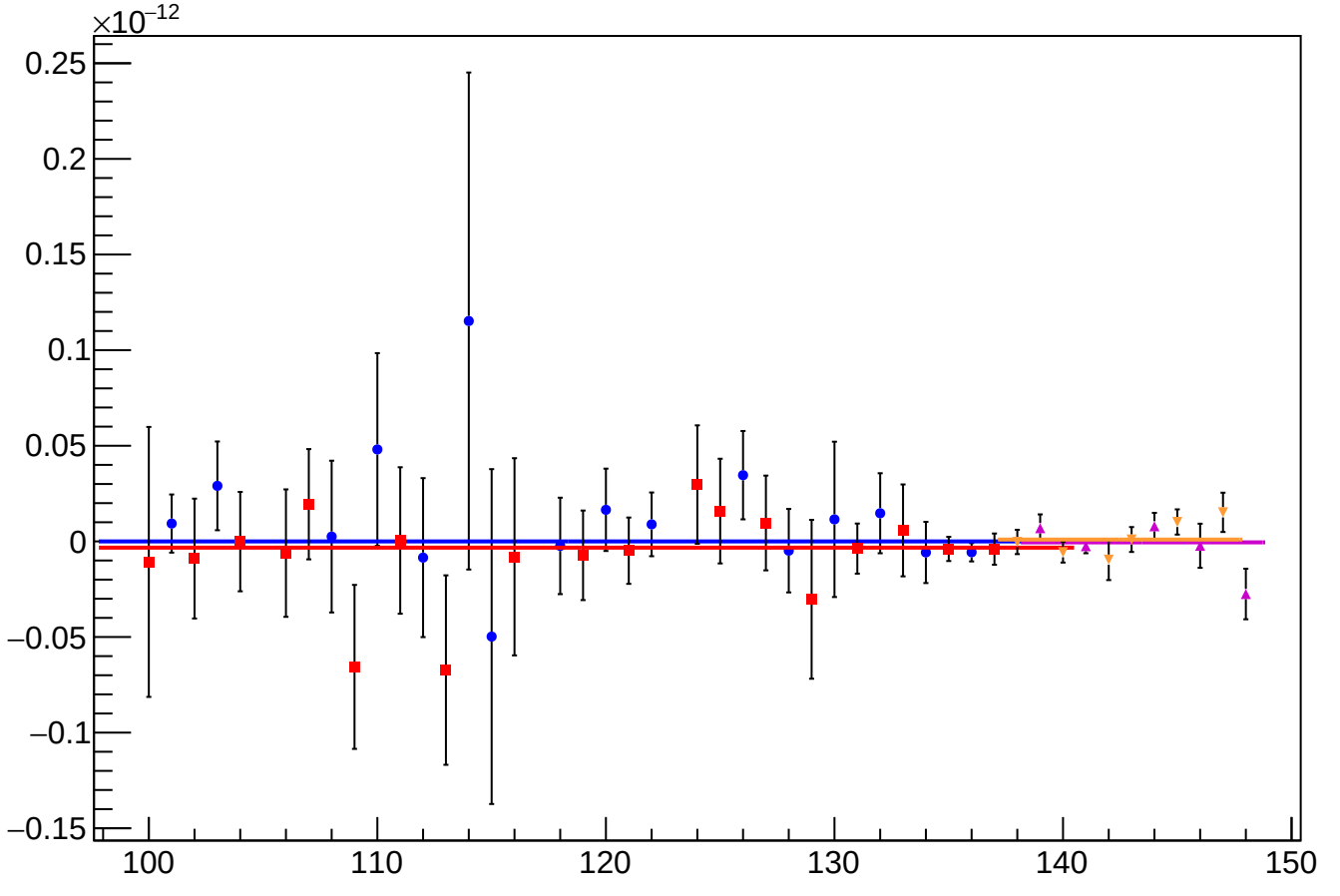
Left: 12.739+/-0.003 χ^2/NDF: 1264885.6/10

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.471+/-0.003 χ^2/NDF:4526843.6/20

Out: 13.938+/-0.003 χ^2/NDF:3979130.7/24

All: 13.705+/-0.002 χ^2/NDF: 8516127.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/4

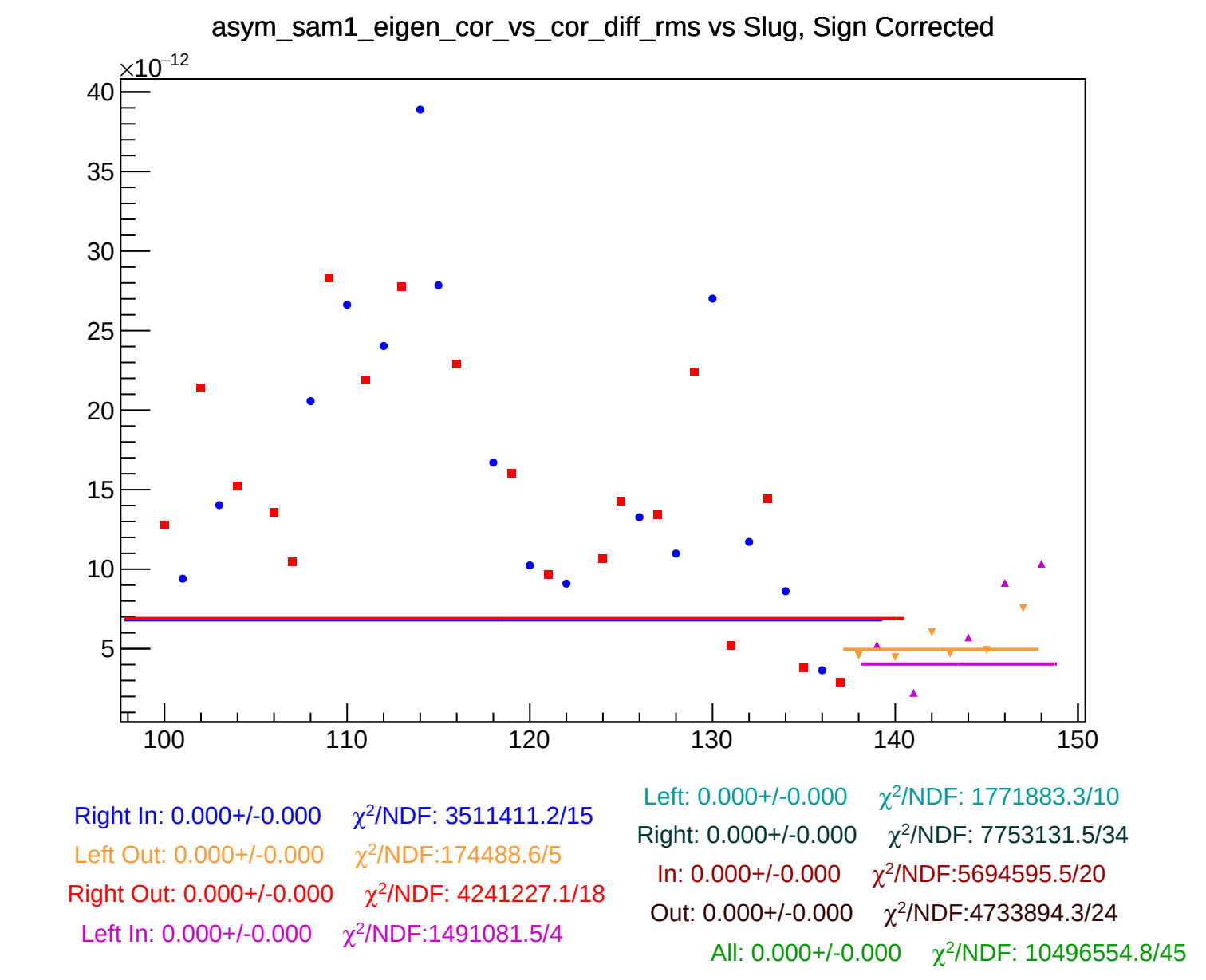
Left: 0.000+/-0.000 χ^2/NDF: 13.5/10

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

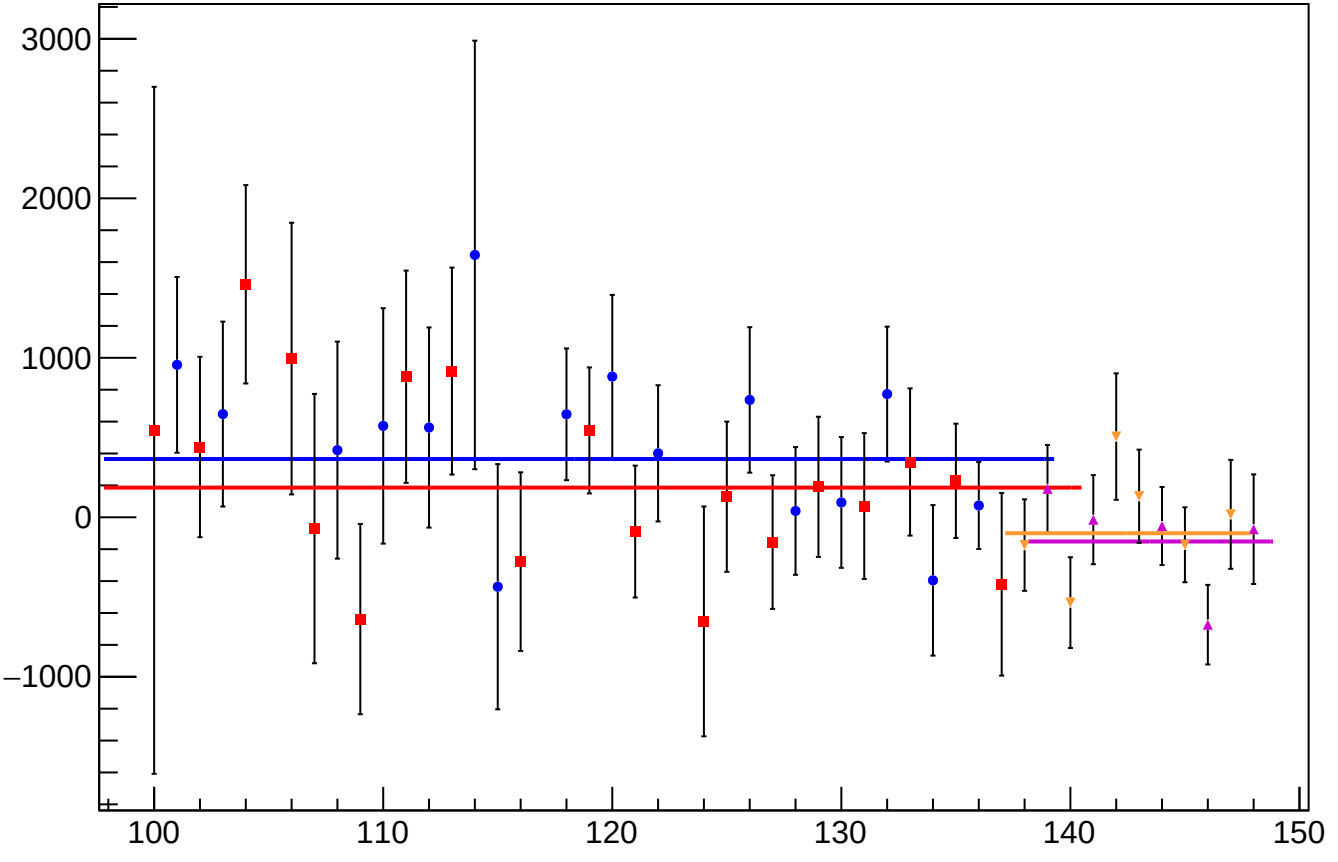
In: -0.000+/-0.000 χ^2/NDF:16.3/20

Out: -0.000+/-0.000 χ^2/NDF:14.1/24

All: -0.000+/-0.000 χ^2/NDF: 30.4/45


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:174488.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1491081.5/4
Left: 0.000+/-0.000 χ²/NDF: 1771883.3/10
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5694595.5/20
Out: 0.000+/-0.000 χ²/NDF:4733894.3/24
All: 0.000+/-0.000 χ²/NDF: 10496554.8/45

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.935+/-120.147 χ^2/NDF:5.6/5

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -151.694+/-121.919 χ^2/NDF:6.3/4

Left: -125.436+/-85.576 χ^2/NDF: 11.9/10

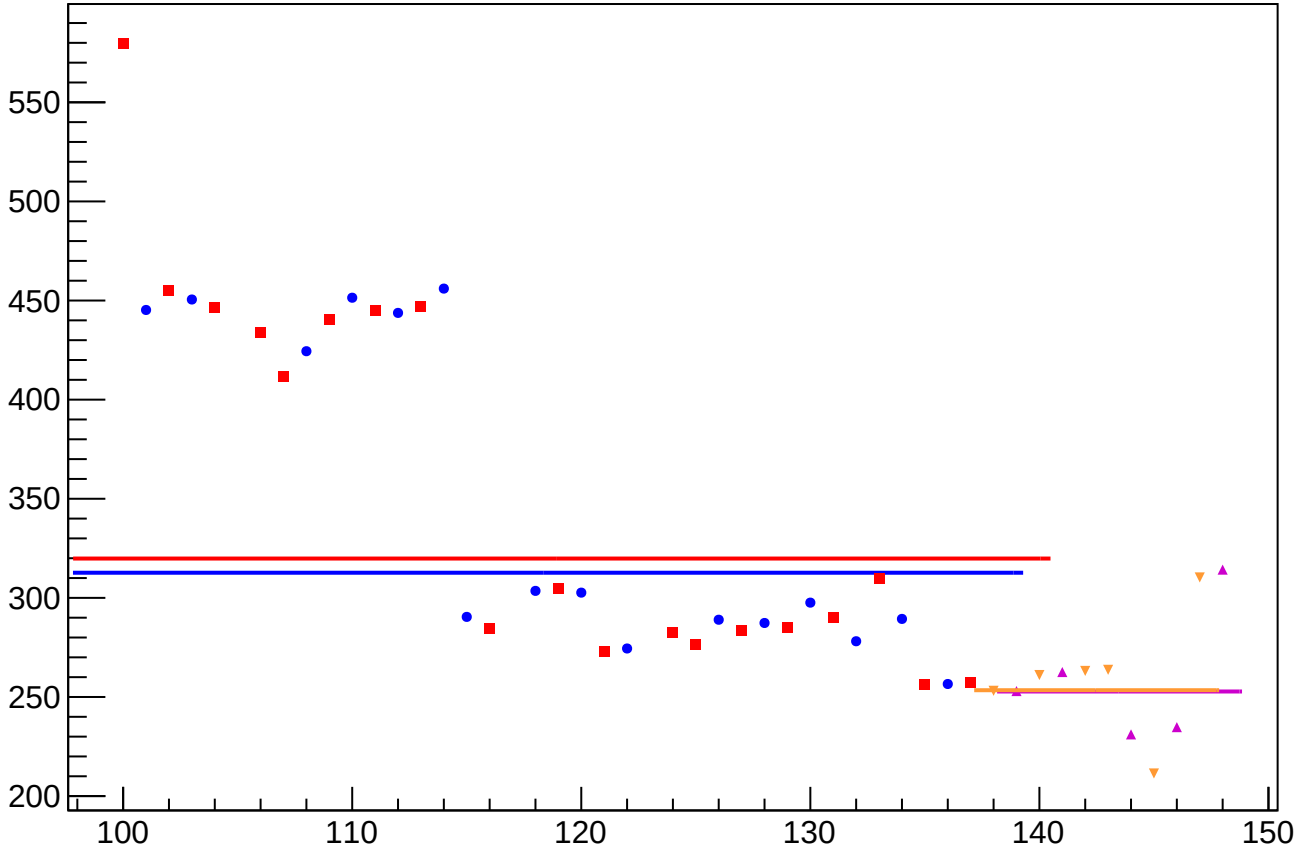
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 113.464+/-85.112 χ^2/NDF:27.0/20

Out: 43.055+/-84.971 χ^2/NDF:23.4/24

All: 78.201+/-60.134 χ^2/NDF: 50.7/45

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.5/5

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

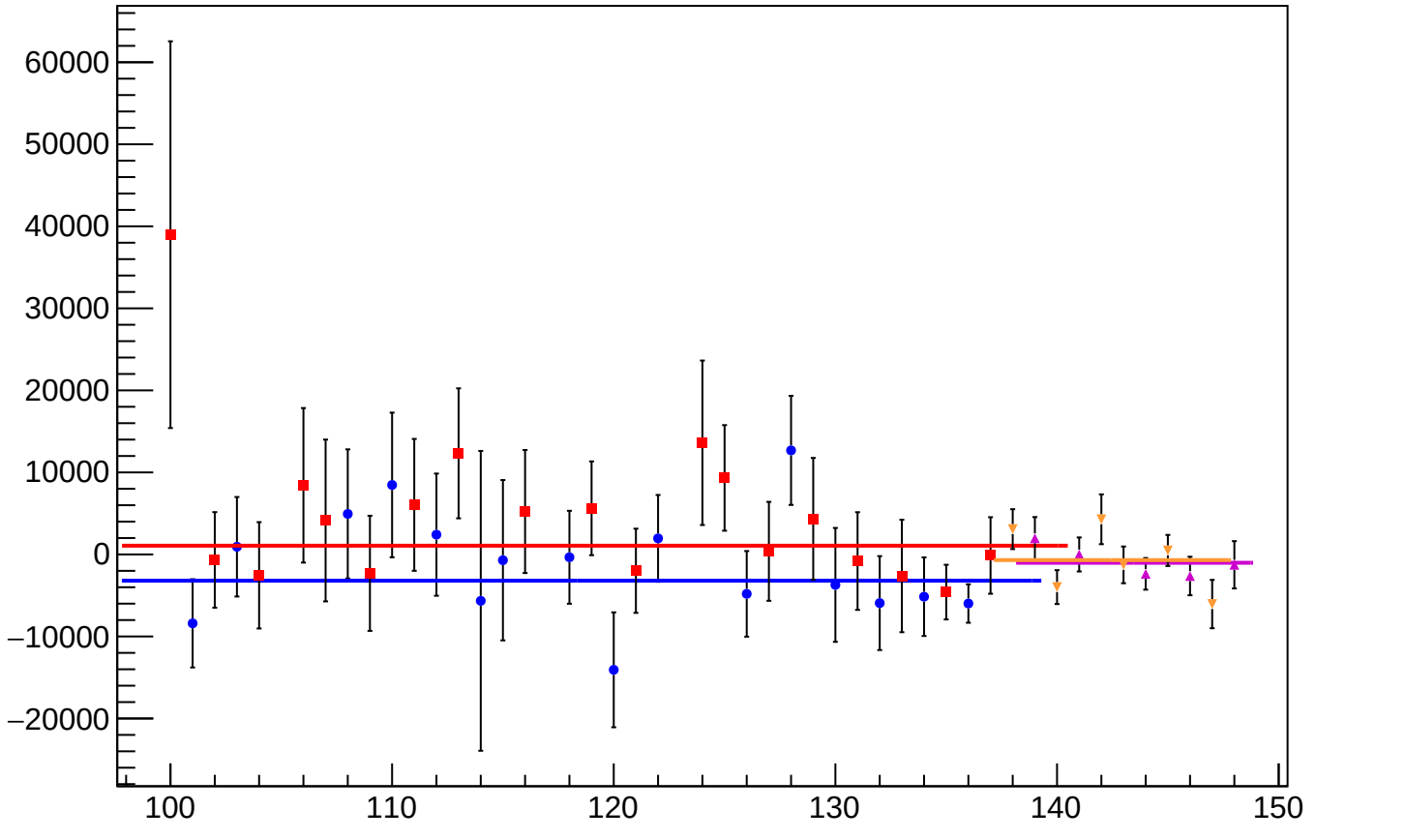
Left: 253.097+/-0.061 χ^2/NDF: 217190.0/10

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 283.485+/-0.060 χ^2/NDF:942379.7/20

Out: 286.616+/-0.060 χ^2/NDF:1128030.8/24

All: 285.053+/-0.043 χ^2/NDF: 2071766.3/45



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -688.962+/-951.032 χ^2/NDF:11.4/5

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -1017.124+/-1024.670 χ^2/NDF:2.5/4

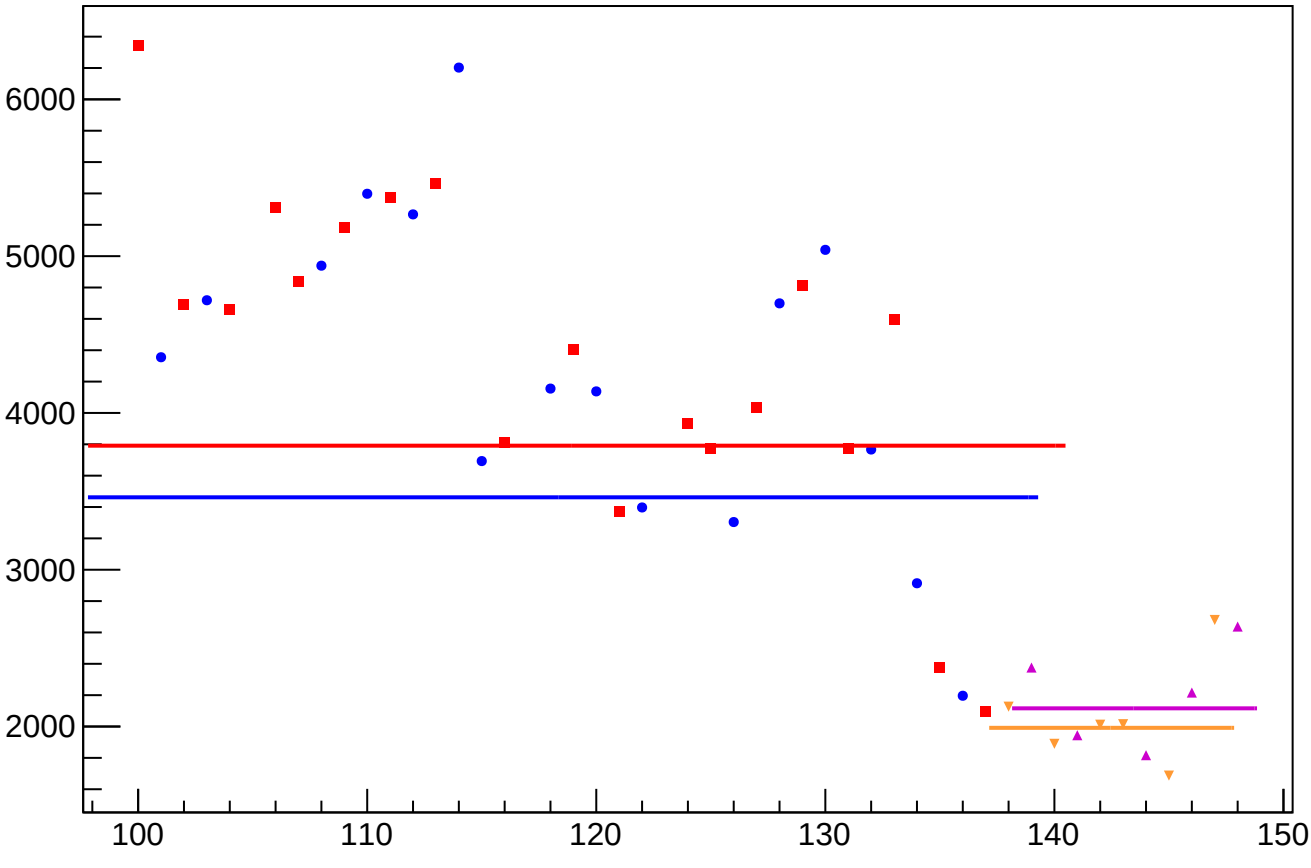
Left: -840.829+/-697.062 χ^2/NDF: 14.0/10

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1811.705+/-817.031 χ^2/NDF:20.3/20

Out: -157.695+/-794.135 χ^2/NDF:26.8/24

All: -961.200+/-569.461 χ^2/NDF: 49.2/45



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171994.8/5

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2115.991+/-0.725 χ^2/NDF:151026.8/4

Left: 2049.197+/-0.493 χ^2/NDF: 338840.8/10

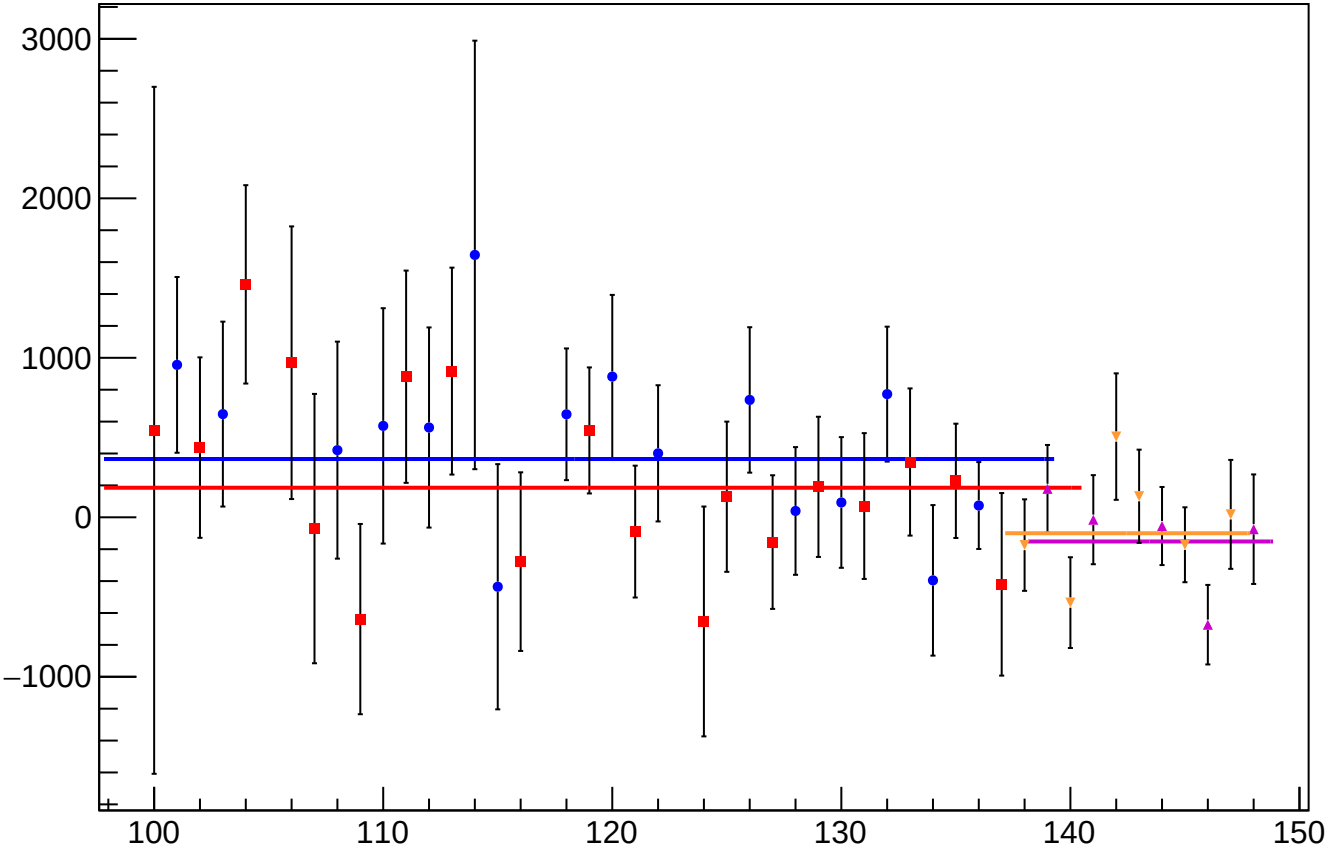
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2606.203+/-0.578 χ^2/NDF:2717419.6/20

Out: 2536.442+/-0.562 χ^2/NDF:3495591.4/24

All: 2570.331+/-0.403 χ^2/NDF: 6220508.6/45

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.943+/-120.147 χ^2/NDF:5.6/5

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -151.685+/-121.919 χ^2/NDF:6.3/4

Left: -125.436+/-85.576 χ^2/NDF: 11.9/10

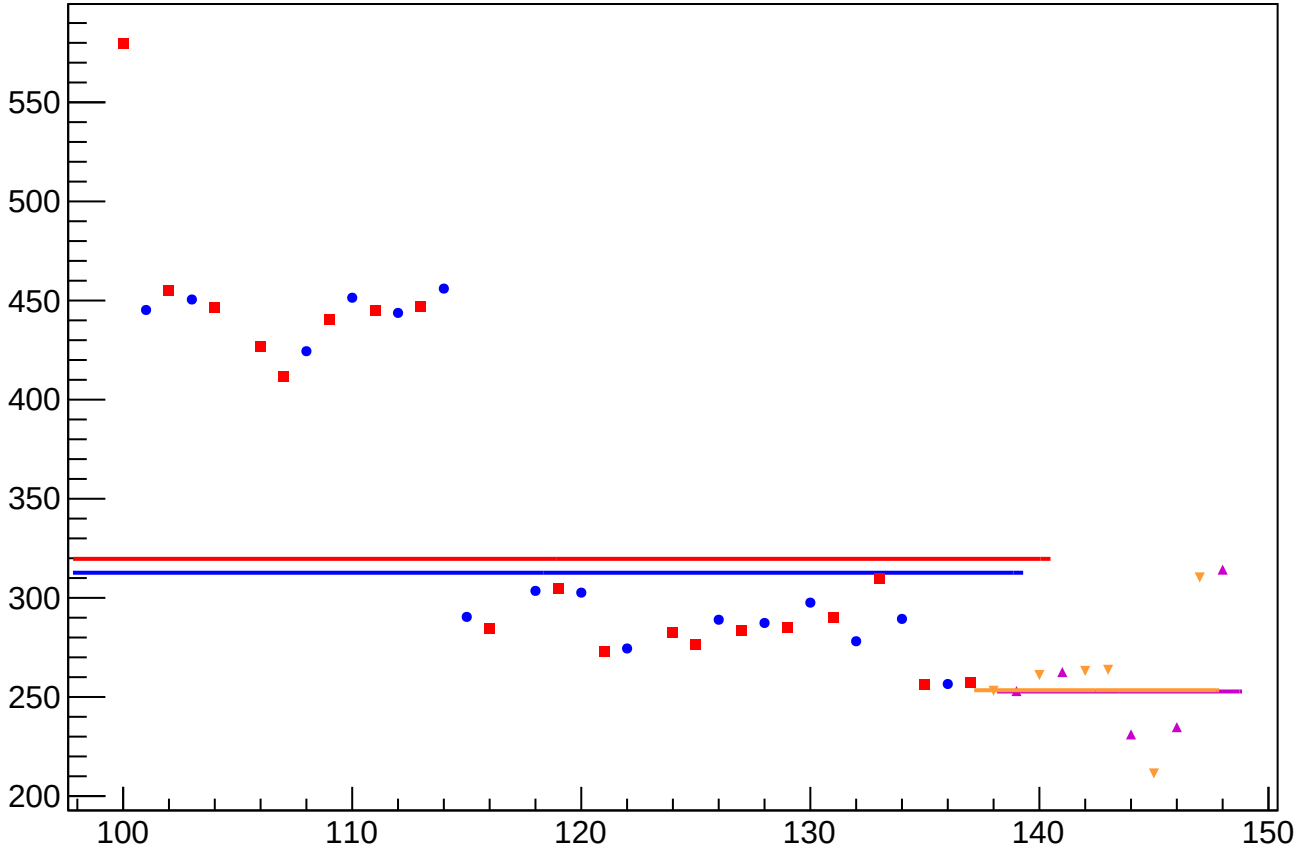
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 113.460+/-85.112 χ^2/NDF:27.0/20

Out: 42.633+/-84.975 χ^2/NDF:23.3/24

All: 77.989+/-60.135 χ^2/NDF: 50.7/45

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.6/5

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

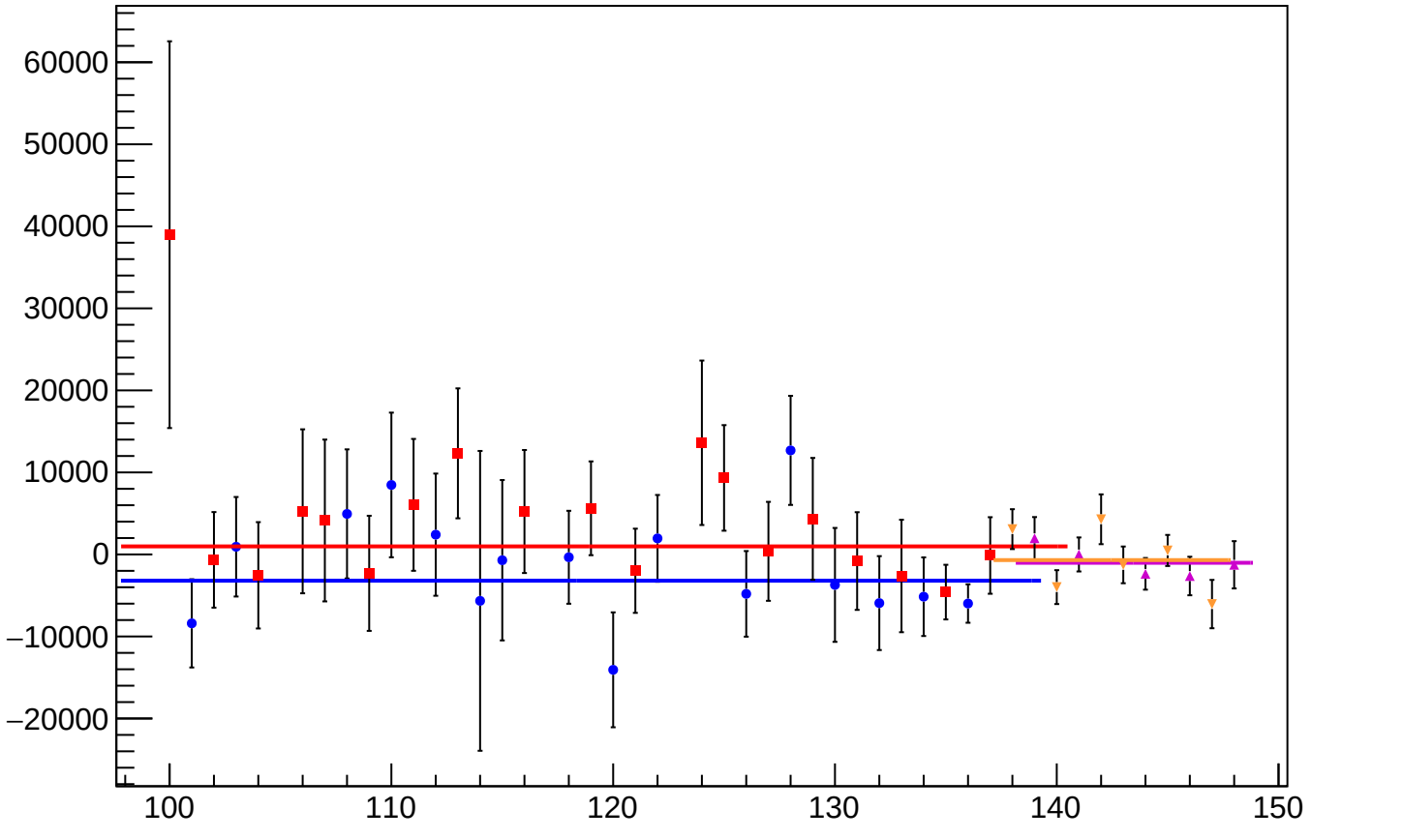
Left: 253.097+/-0.061 χ^2/NDF: 217190.0/10

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.485+/-0.060 χ^2/NDF:942381.3/20

Out: 286.539+/-0.060 χ^2/NDF:1122477.3/24

All: 285.014+/-0.043 χ^2/NDF: 2066148.3/45



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -688.962+/-951.032 χ^2/NDF:11.4/5

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -1017.088+/-1024.670 χ^2/NDF:2.5/4

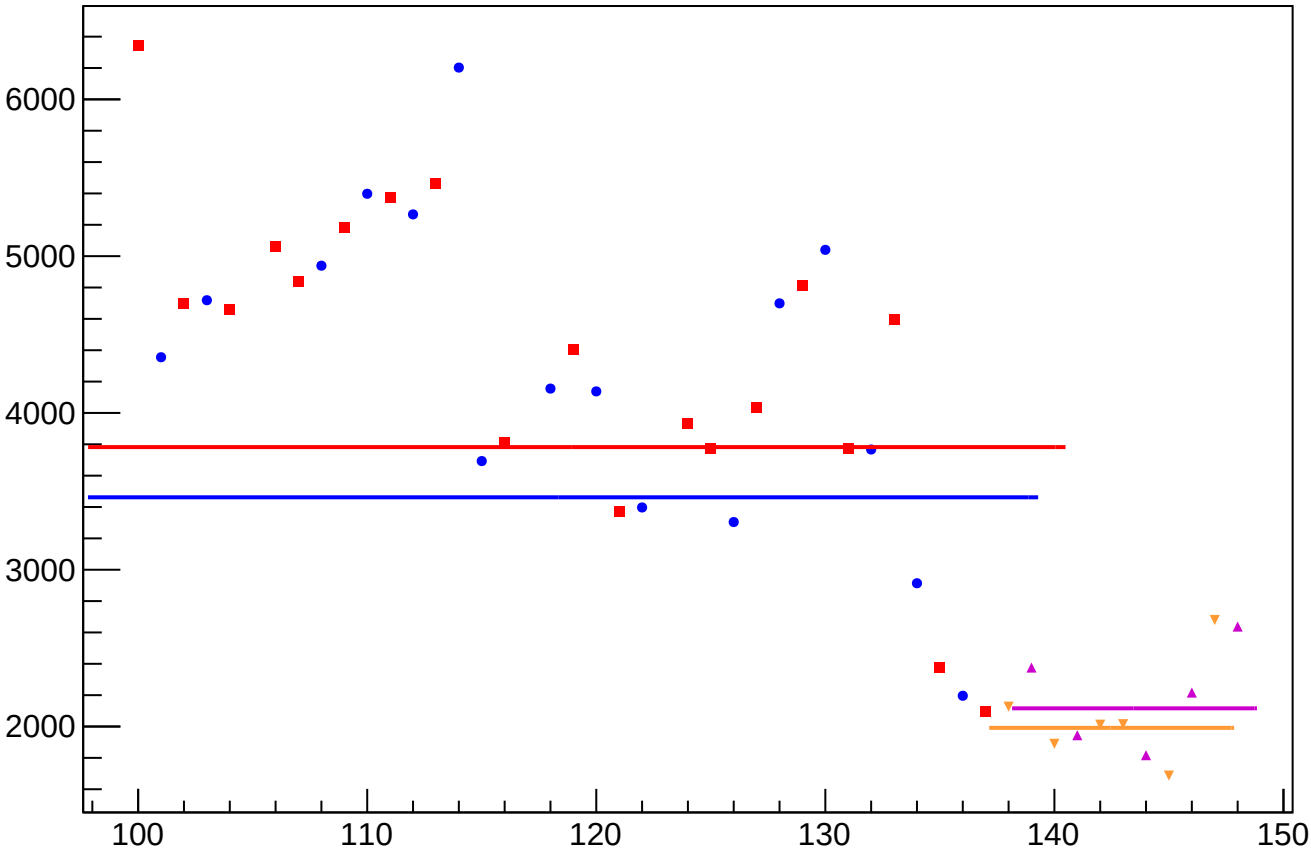
Left: -840.812+/-697.062 χ^2/NDF: 14.0/10

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1811.655+/-817.032 χ^2/NDF:20.3/20

Out: -184.374+/-794.458 χ^2/NDF:26.3/24

All: -975.224+/-569.580 χ^2/NDF: 48.6/45



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171995.9/5

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

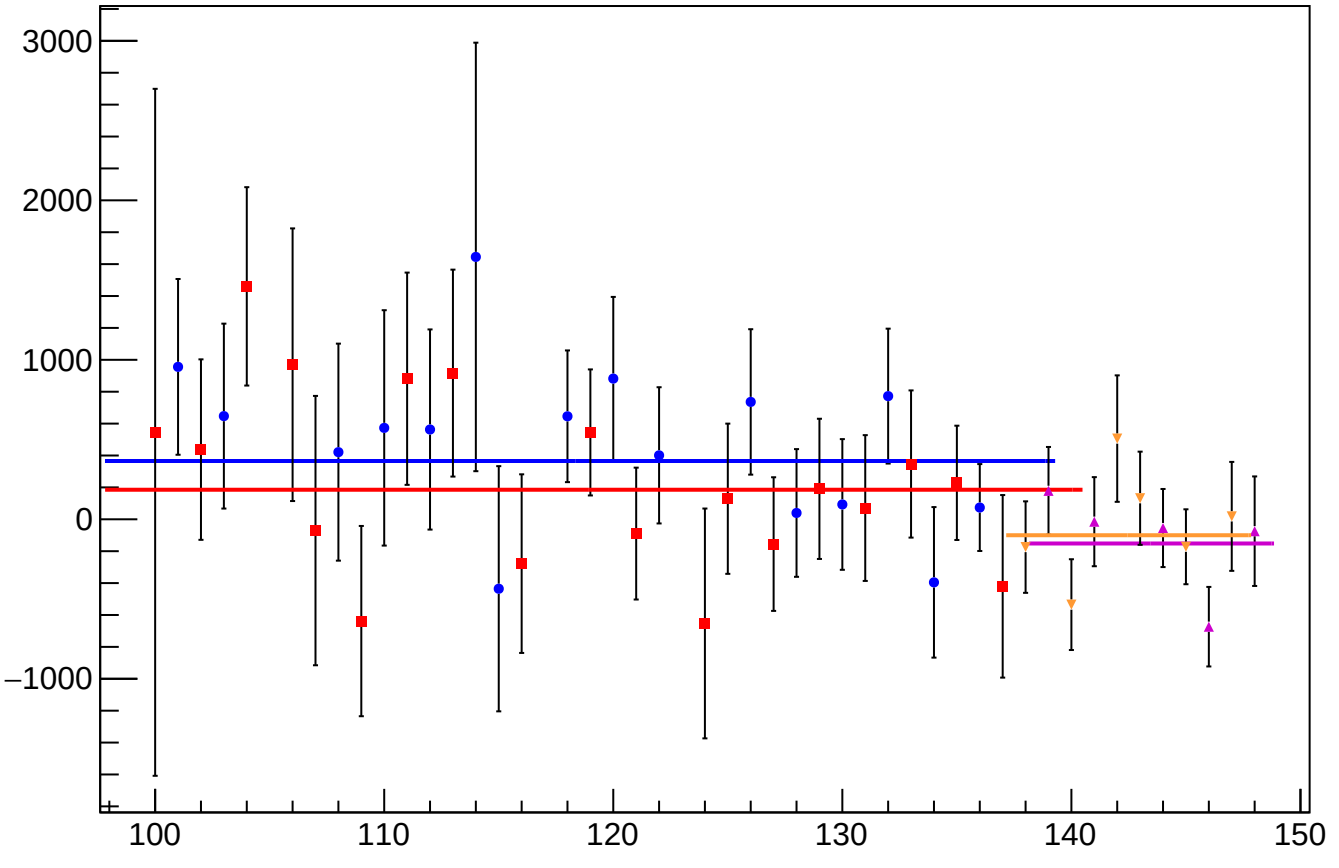
Left: 2049.197+/-0.493 χ^2/NDF: 338842.2/10

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2606.204+/-0.578 χ^2/NDF:2717440.2/20

Out: 2532.693+/-0.562 χ^2/NDF:3450461.5/24

All: 2568.419+/-0.403 χ^2/NDF: 6176223.5/45



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.943+/-120.147 χ^2/NDF:5.6/5

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -151.685+/-121.919 χ^2/NDF:6.3/4

Left: -125.436+/-85.576 χ^2/NDF: 11.9/10

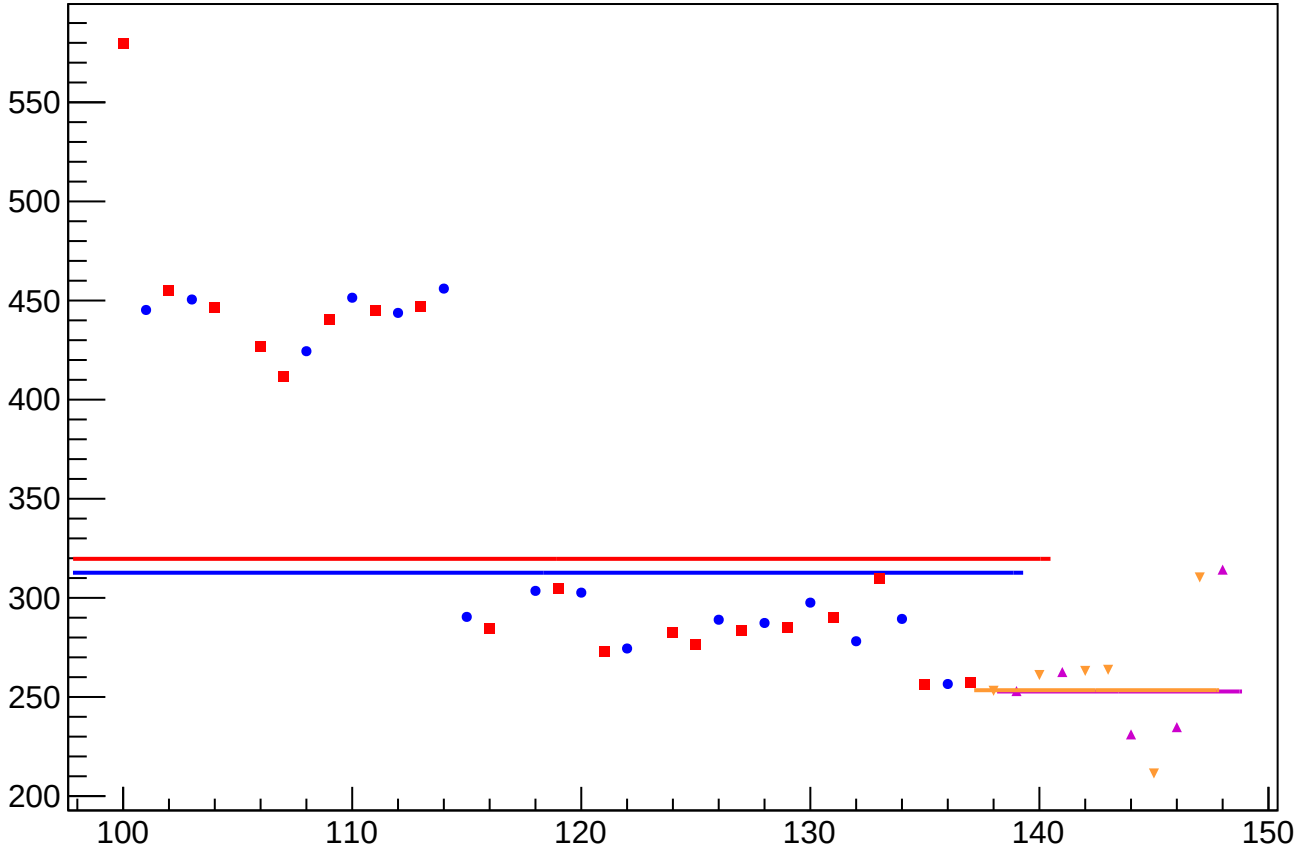
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 113.460+/-85.112 χ^2/NDF:27.0/20

Out: 42.633+/-84.975 χ^2/NDF:23.3/24

All: 77.989+/-60.135 χ^2/NDF: 50.7/45

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.6/5

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

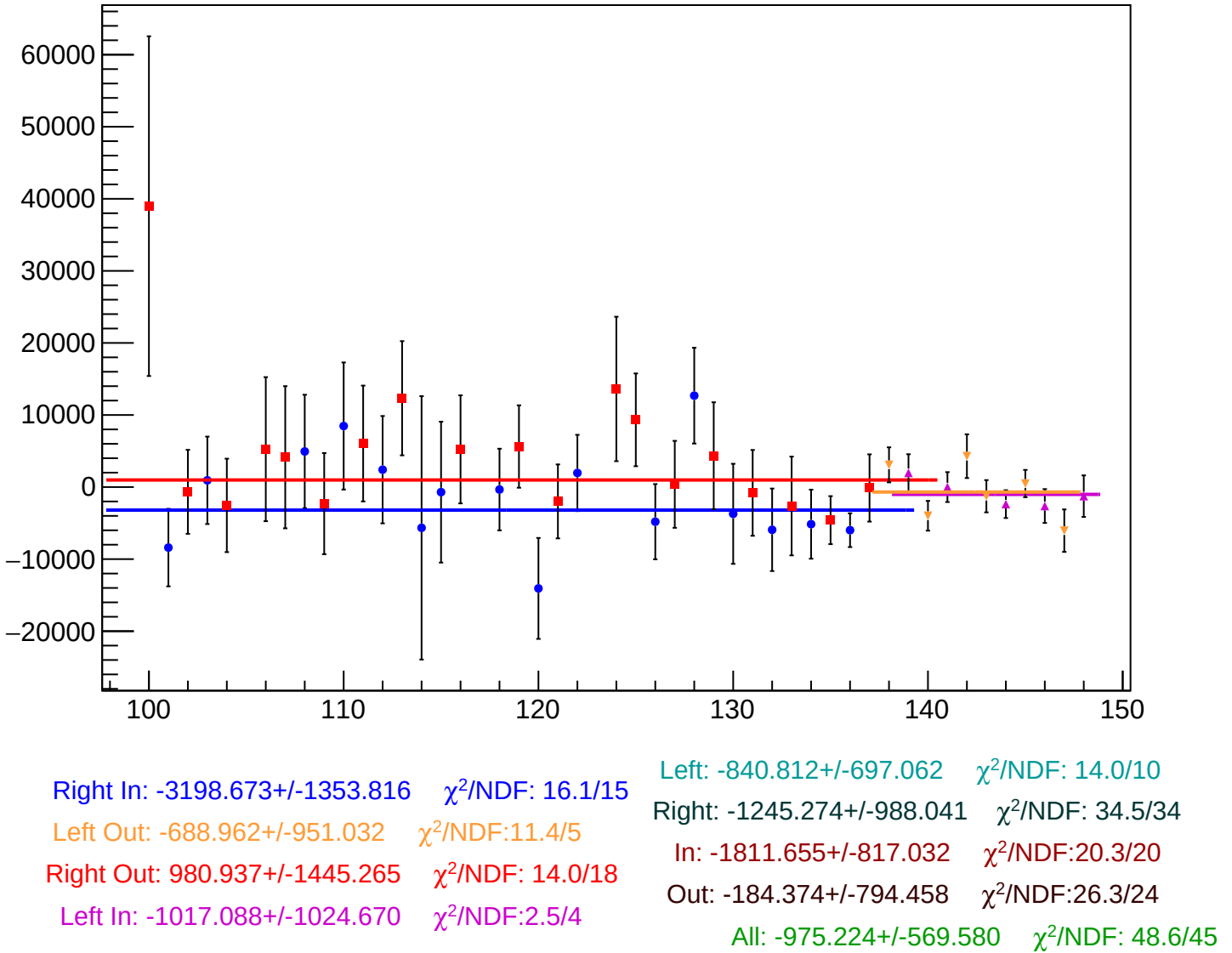
Left: 253.097+/-0.061 χ^2/NDF: 217190.0/10

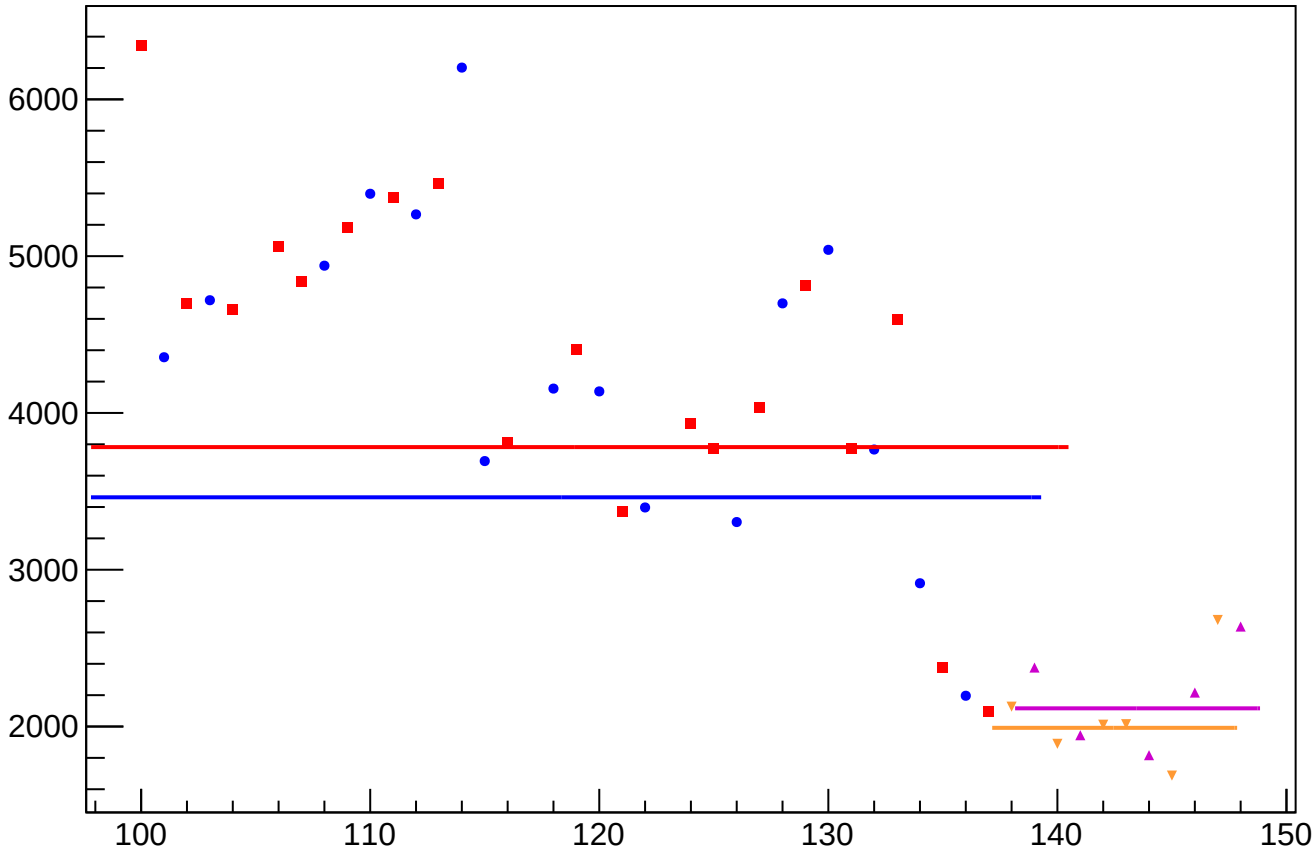
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.485+/-0.060 χ^2/NDF:942381.3/20

Out: 286.539+/-0.060 χ^2/NDF:1122477.3/24

All: 285.014+/-0.043 χ^2/NDF: 2066148.3/45


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -688.962+/-951.032 χ²/NDF:11.4/5
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -1017.088+/-1024.670 χ²/NDF:2.5/4
Left: -840.812+/-697.062 χ²/NDF: 14.0/10
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1811.655+/-817.032 χ²/NDF:20.3/20
Out: -184.374+/-794.458 χ²/NDF:26.3/24
All: -975.224+/-569.580 χ²/NDF: 48.6/45



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171995.9/5

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

Left: 2049.197+/-0.493 χ^2/NDF: 338842.2/10

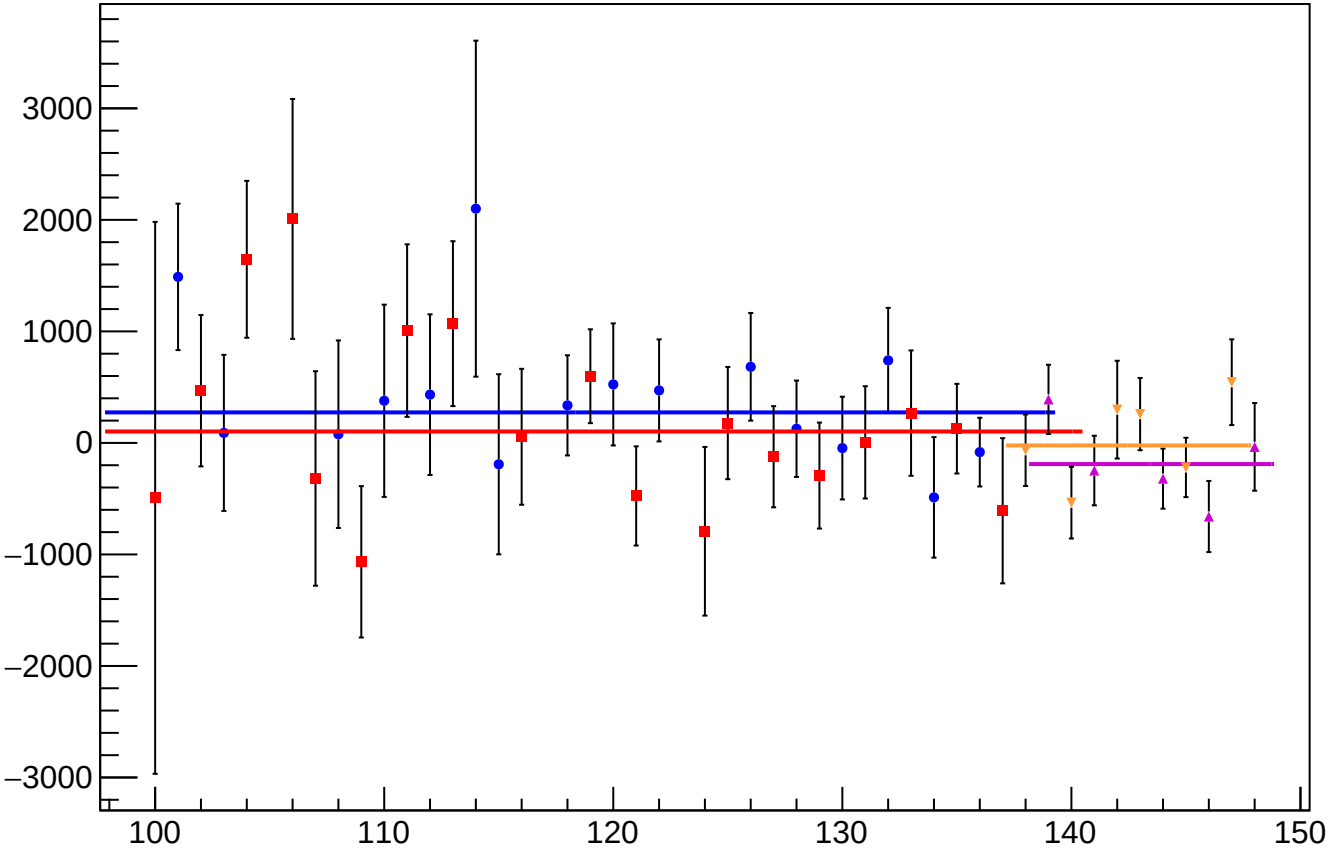
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2606.204+/-0.578 χ^2/NDF:2717440.2/20

Out: 2532.693+/-0.562 χ^2/NDF:3450461.5/24

All: 2568.419+/-0.403 χ^2/NDF: 6176223.5/45

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -22.518+/-134.792 χ^2/NDF:6.6/5

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -189.640+/-140.359 χ^2/NDF:6.1/4

Left: -102.699+/-97.221 χ^2/NDF: 13.4/10

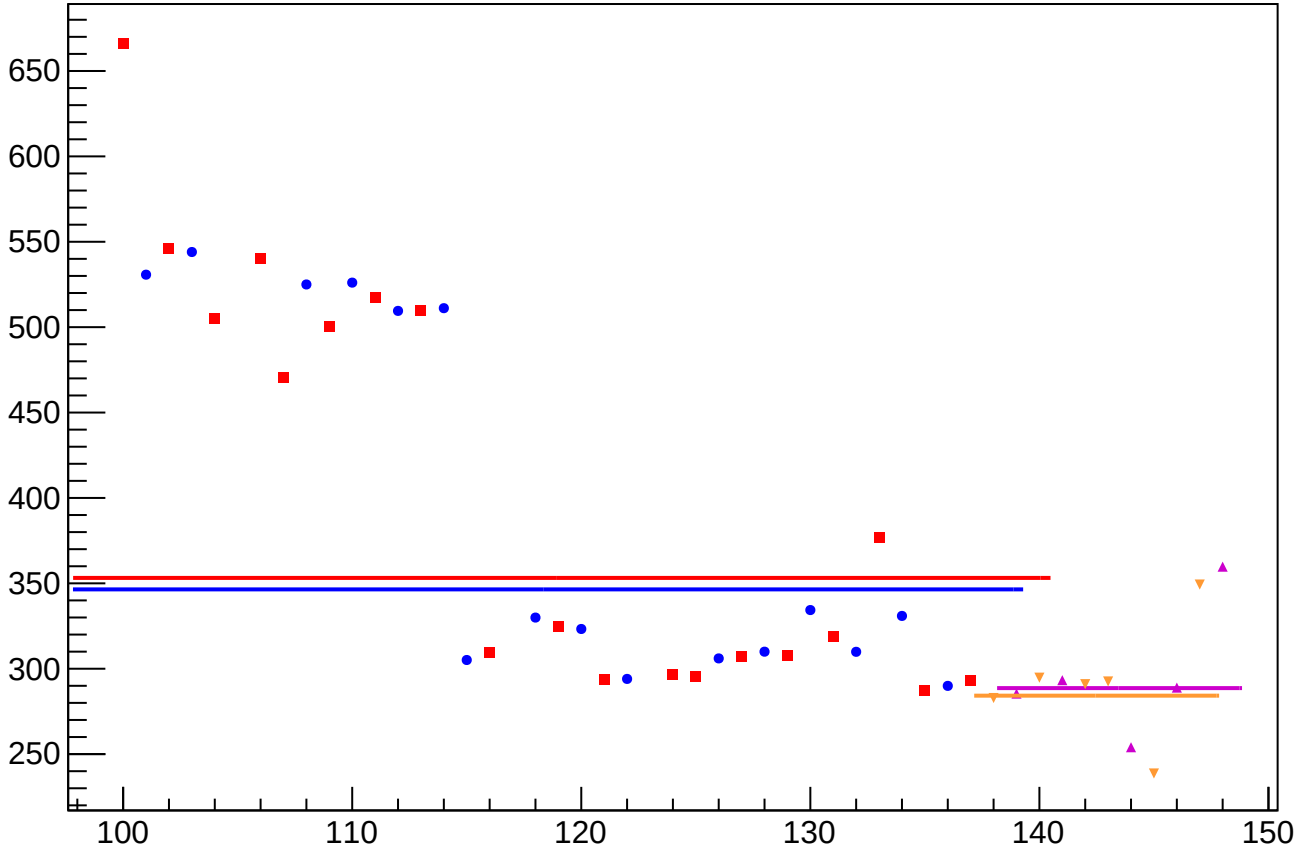
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 55.235+/-96.365 χ^2/NDF:23.3/20

Out: 40.477+/-94.890 χ^2/NDF:28.3/24

All: 47.743+/-67.613 χ^2/NDF: 51.6/45

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 284.227+/-0.095 χ^2/NDF:119878.3/5

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 288.651+/-0.099 χ^2/NDF:99146.0/4

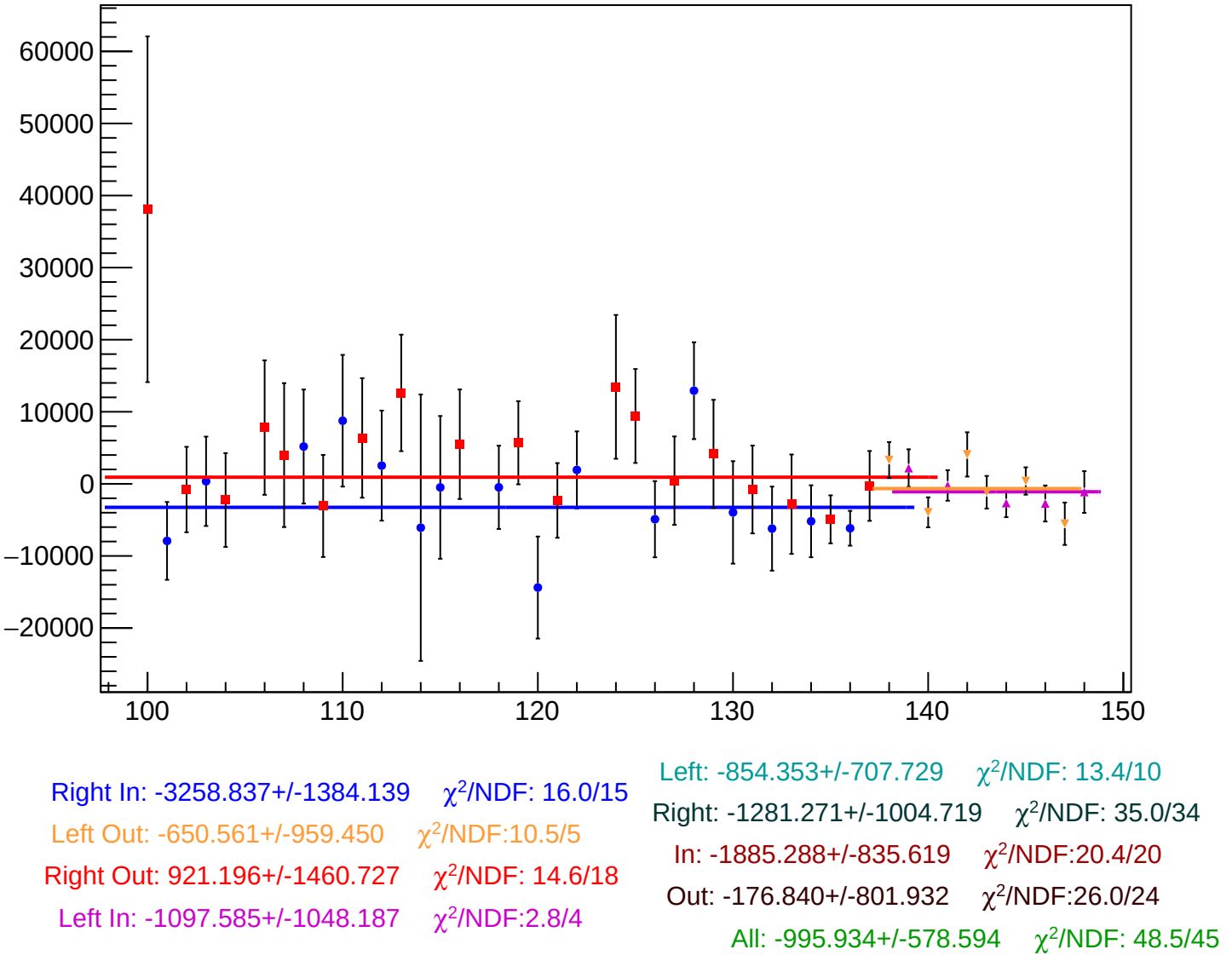
Left: 286.349+/-0.069 χ^2/NDF: 220058.1/10

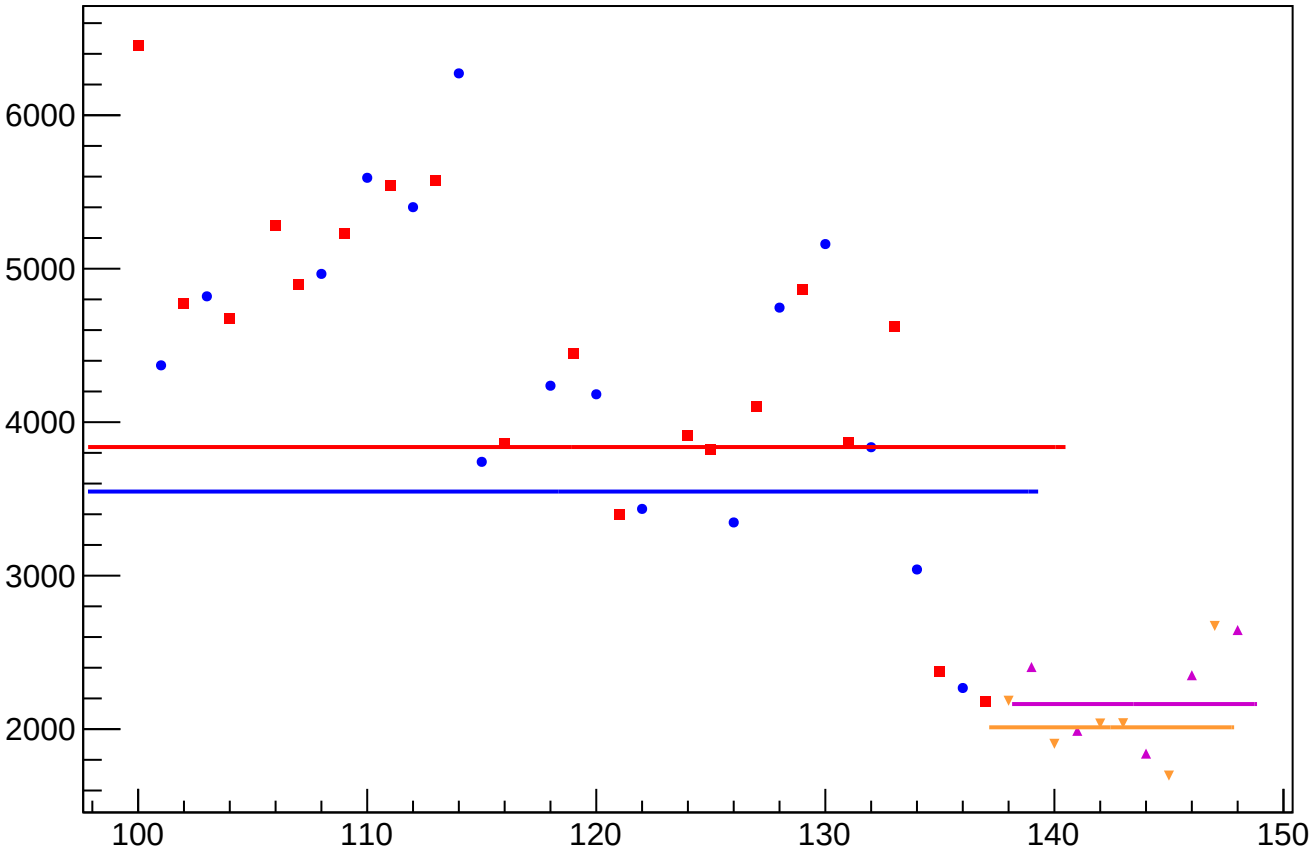
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.209+/-0.068 χ^2/NDF:1047225.0/20

Out: 319.007+/-0.067 χ^2/NDF:1250224.0/24

All: 319.106+/-0.048 χ^2/NDF: 2297453.4/45


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -650.561+/-959.450 χ²/NDF:10.5/5
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: -1097.585+/-1048.187 χ²/NDF:2.8/4
Left: -854.353+/-707.729 χ²/NDF: 13.4/10
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -1885.288+/-835.619 χ²/NDF:20.4/20
Out: -176.840+/-801.932 χ²/NDF:26.0/24
All: -995.934+/-578.594 χ²/NDF: 48.5/45



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2011.812+/-0.678 χ^2/NDF:171199.4/5

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2163.370+/-0.741 χ^2/NDF:152092.4/4

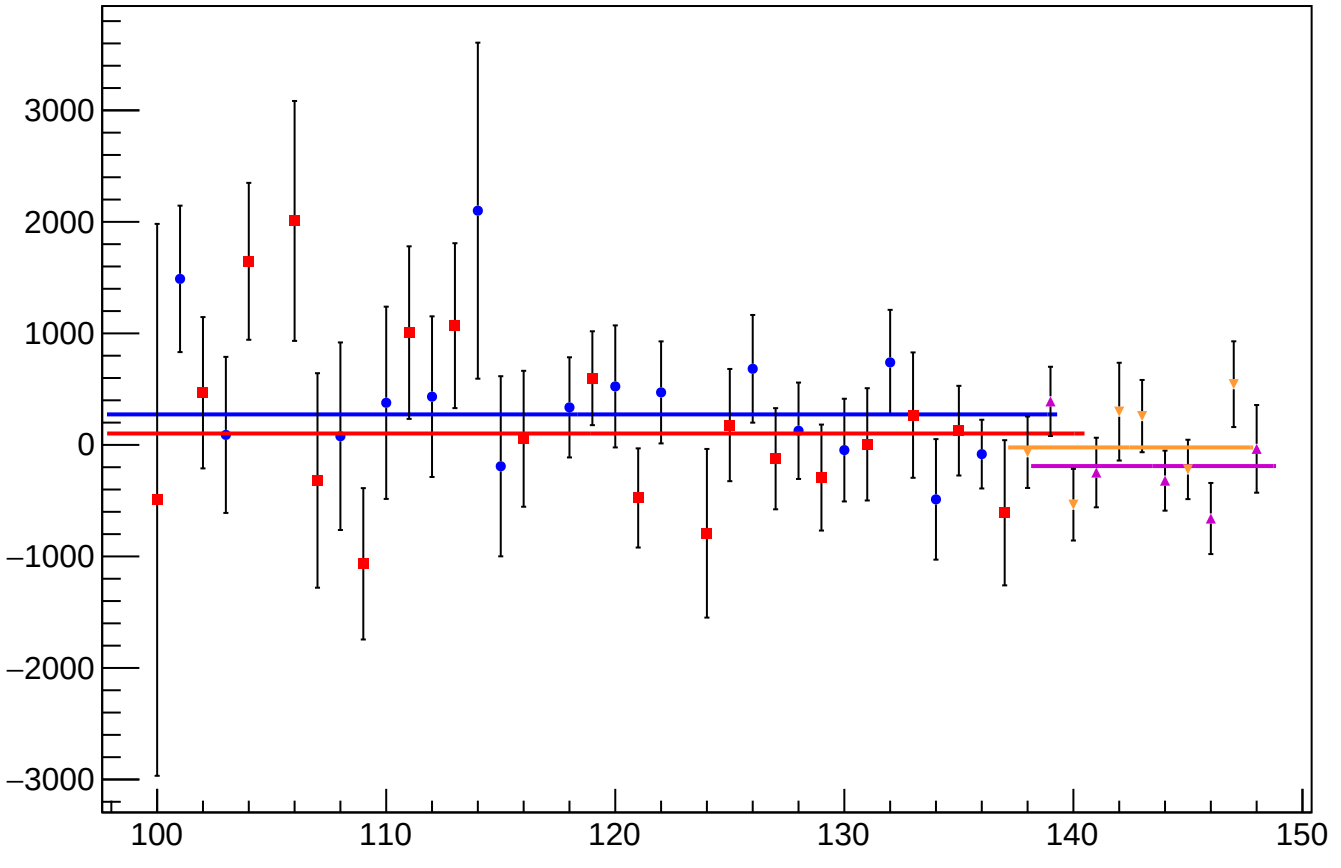
Left: 2080.905+/-0.500 χ^2/NDF: 346042.7/10

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2668.009+/-0.591 χ^2/NDF:2682492.4/20

Out: 2562.208+/-0.567 χ^2/NDF:3510763.7/24

All: 2612.933+/-0.409 χ^2/NDF: 6209946.4/45



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -22.525+/-134.792 χ^2/NDF:6.6/5

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -189.642+/-140.359 χ^2/NDF:6.1/4

Left: -102.703+/-97.221 χ^2/NDF: 13.4/10

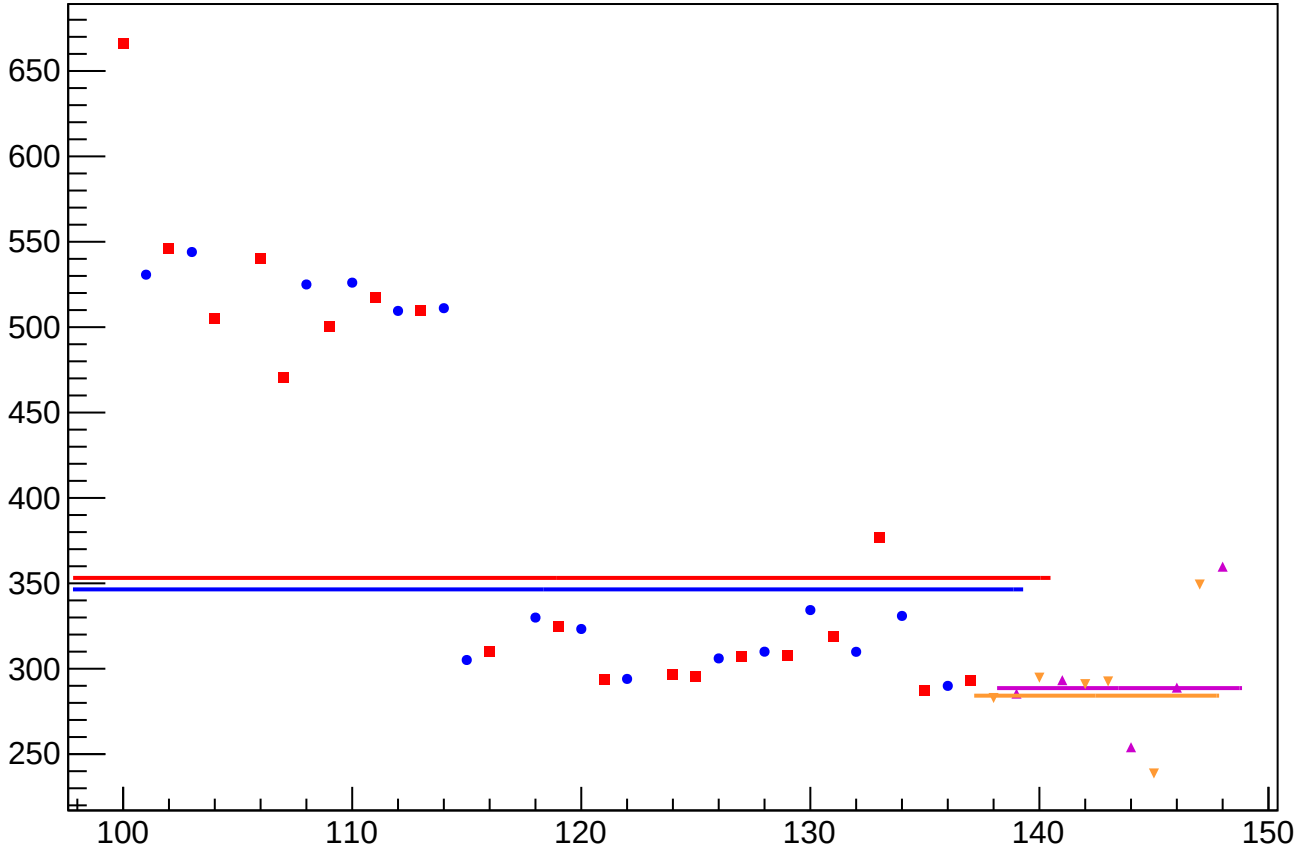
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 55.238+/-96.364 χ^2/NDF:23.3/20

Out: 40.473+/-94.890 χ^2/NDF:28.3/24

All: 47.742+/-67.613 χ^2/NDF: 51.6/45

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 284.227+/-0.095 χ^2/NDF:119879.8/5

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 288.651+/-0.099 χ^2/NDF:99146.6/4

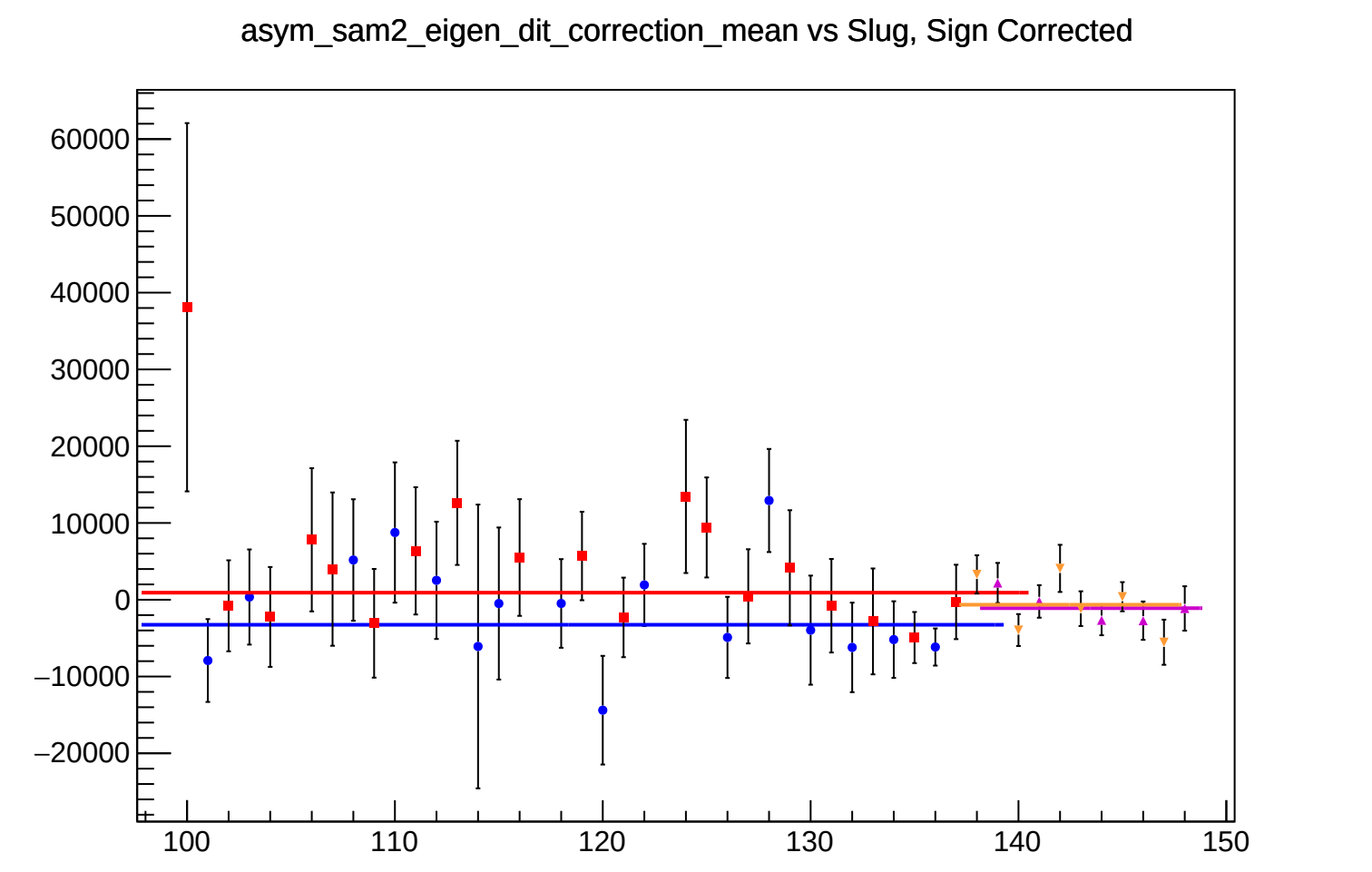
Left: 286.349+/-0.069 χ^2/NDF: 220060.2/10

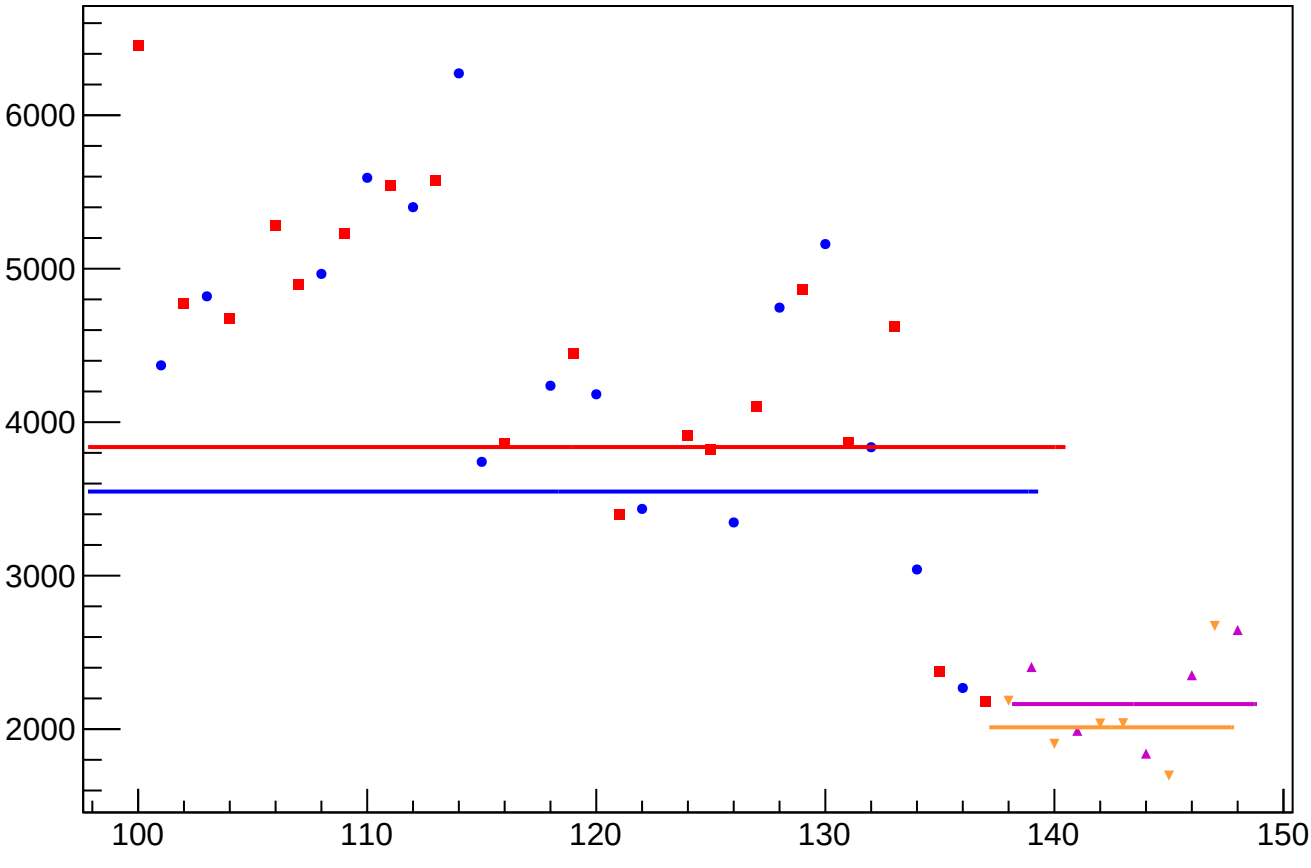
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.208+/-0.068 χ^2/NDF:1047206.2/20

Out: 319.006+/-0.067 χ^2/NDF:1250206.9/24

All: 319.105+/-0.048 χ^2/NDF: 2297417.5/45


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -650.563+/-959.448 χ²/NDF:10.5/5
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -1097.584+/-1048.186 χ²/NDF:2.8/4
Left: -854.354+/-707.728 χ²/NDF: 13.4/10
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -1885.285+/-835.618 χ²/NDF:20.4/20
Out: -176.840+/-801.931 χ²/NDF:26.0/24
All: -995.932+/-578.594 χ²/NDF: 48.5/45



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2011.809+/-0.678 χ^2/NDF:171201.8/5

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2163.368+/-0.741 χ^2/NDF:152091.3/4

Left: 2080.903+/-0.500 χ^2/NDF: 346044.4/10

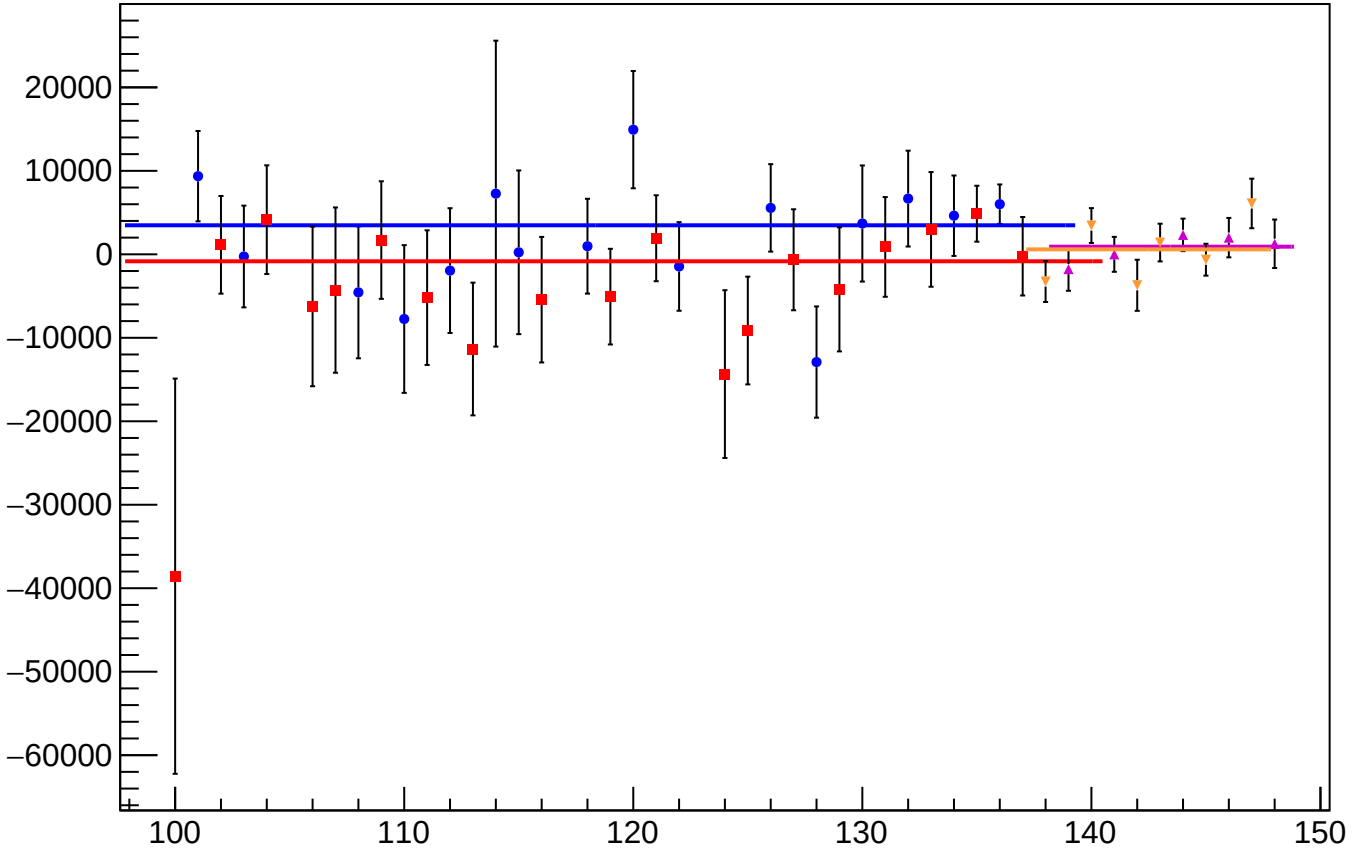
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2668.007+/-0.591 χ^2/NDF:2682477.8/20

Out: 2562.205+/-0.567 χ^2/NDF:3510758.2/24

All: 2612.931+/-0.409 χ^2/NDF: 6209926.6/45

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 593.321+/-958.892 χ^2/NDF:10.3/5

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 916.623+/-1032.320 χ^2/NDF:2.0/4

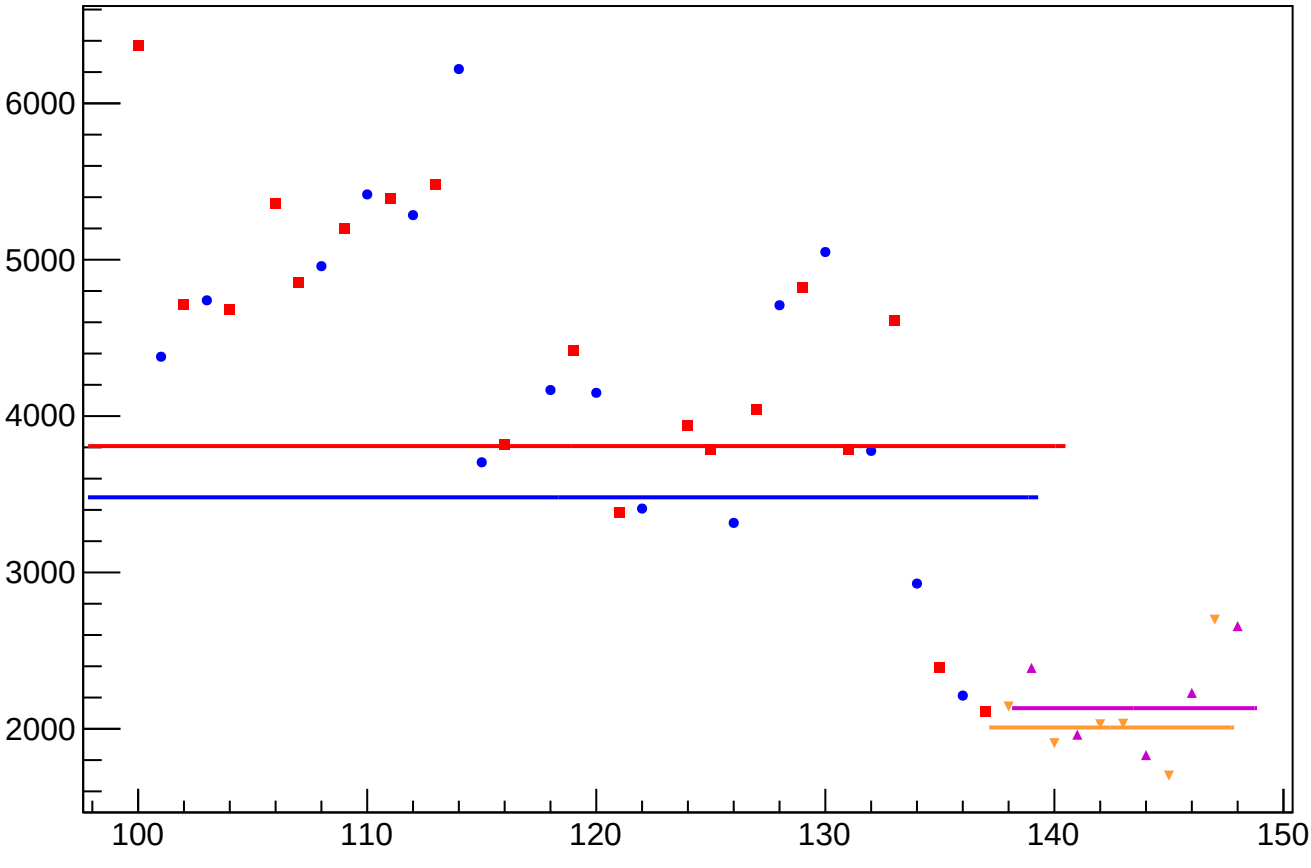
Left: 743.066+/-702.565 χ^2/NDF: 12.4/10

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1852.761+/-822.345 χ^2/NDF:20.6/20

Out: 159.325+/-799.761 χ^2/NDF:25.0/24

All: 982.470+/-573.335 χ^2/NDF: 47.8/45



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2008.490+/-0.678 χ^2/NDF:170733.0/5

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2132.138+/-0.730 χ^2/NDF:149044.8/4

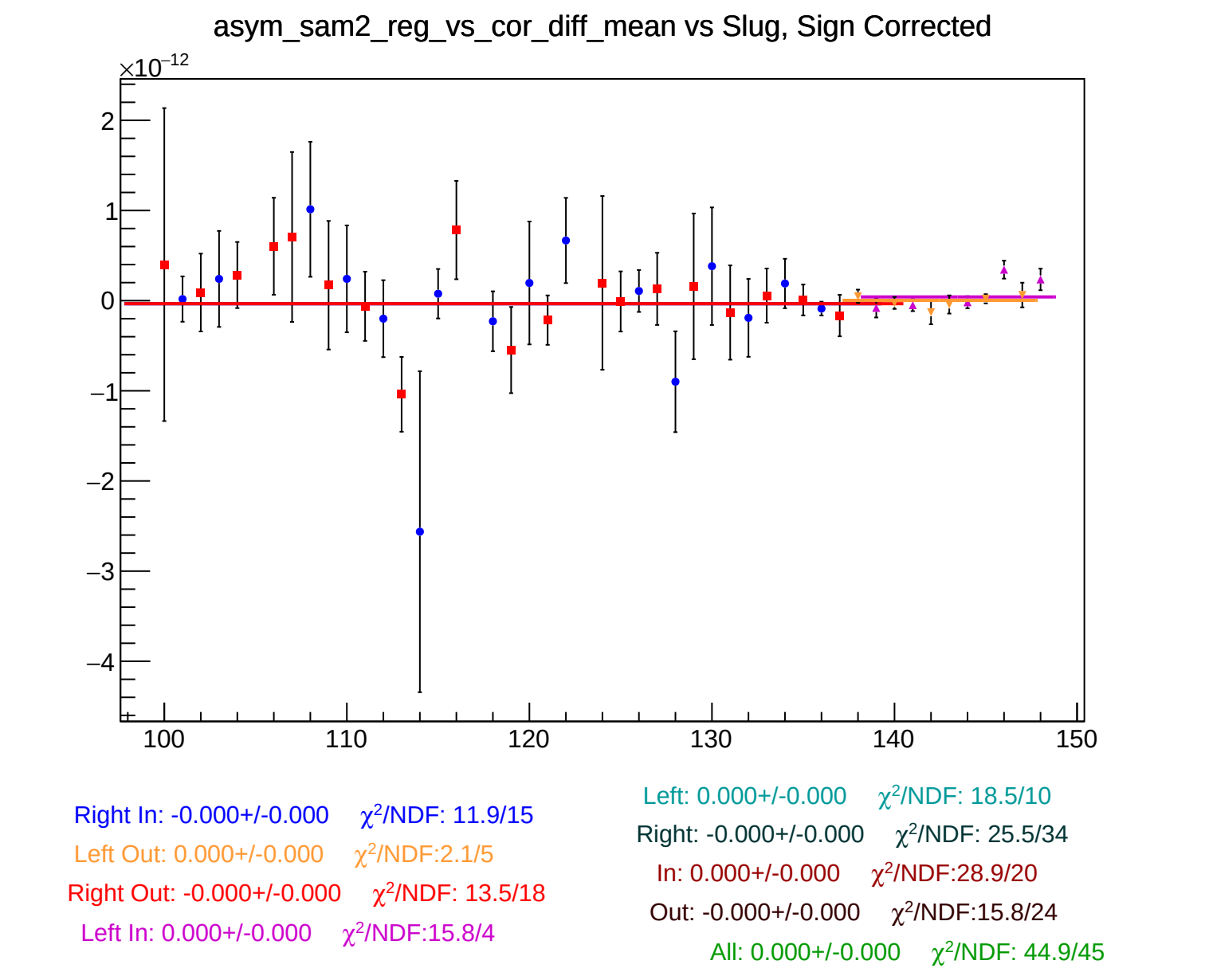
Left: 2065.761+/-0.497 χ^2/NDF: 335180.9/10

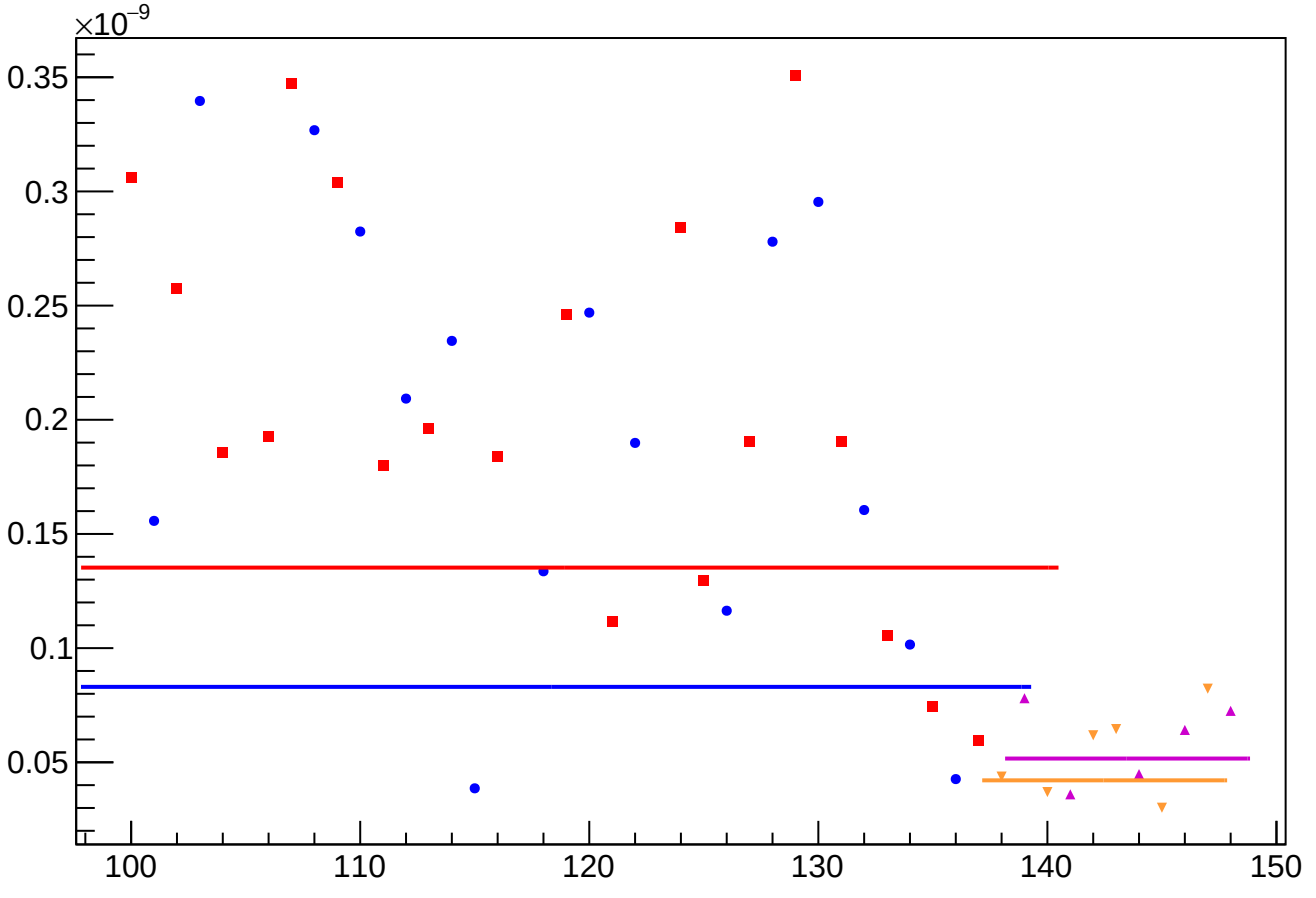
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2624.891+/-0.581 χ^2/NDF:2692656.0/20

Out: 2556.245+/-0.566 χ^2/NDF:3462506.0/24

All: 2589.612+/-0.405 χ^2/NDF: 6162324.3/45


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2.1/5
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:15.8/4
Left: 0.000+/-0.000 χ²/NDF: 18.5/10
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:28.9/20
Out: -0.000+/-0.000 χ²/NDF:15.8/24
All: 0.000+/-0.000 χ²/NDF: 44.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:438856.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:345804.3/4

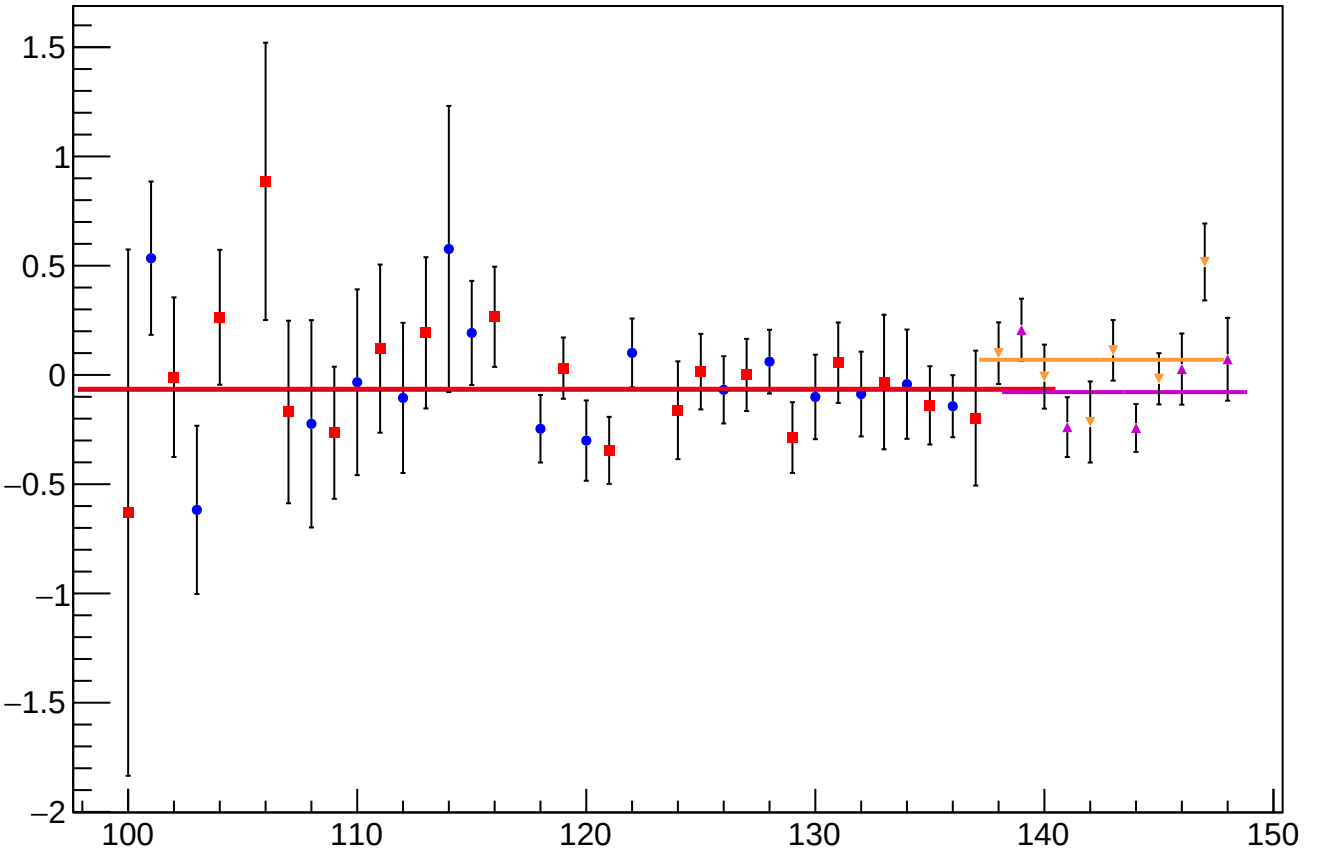
Left: 0.000+/-0.000 χ^2/NDF: 860234.6/10

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3435309.5/20

Out: 0.000+/-0.000 χ^2/NDF:3959096.7/24

All: 0.000+/-0.000 χ^2/NDF: 7445585.9/45



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.079+/-0.063 χ^2/NDF:8.6/4

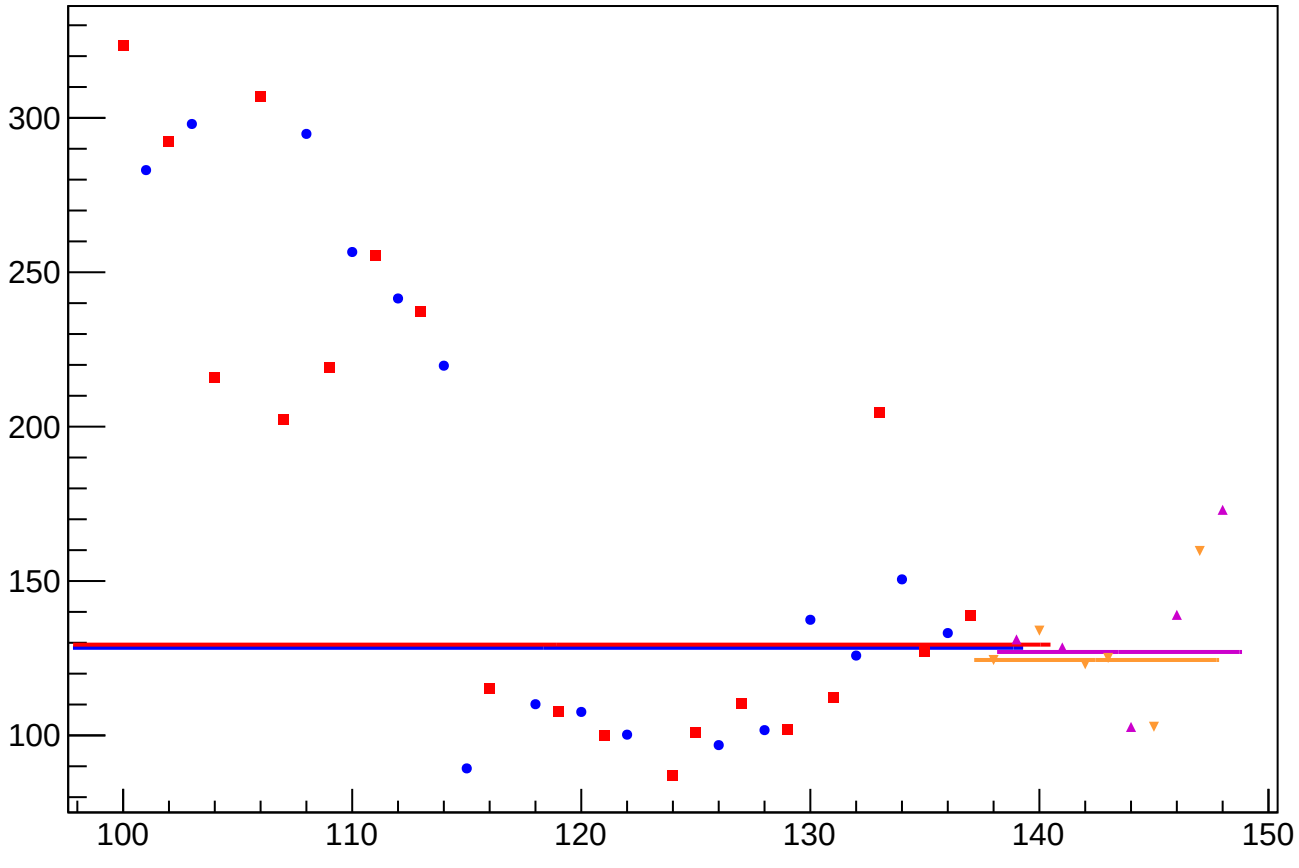
Left: -0.000+/-0.043 χ^2/NDF: 21.3/10

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.038+/-0.028 χ^2/NDF: 49.2/45



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.429+/-0.042 χ^2/NDF:157262.9/5

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

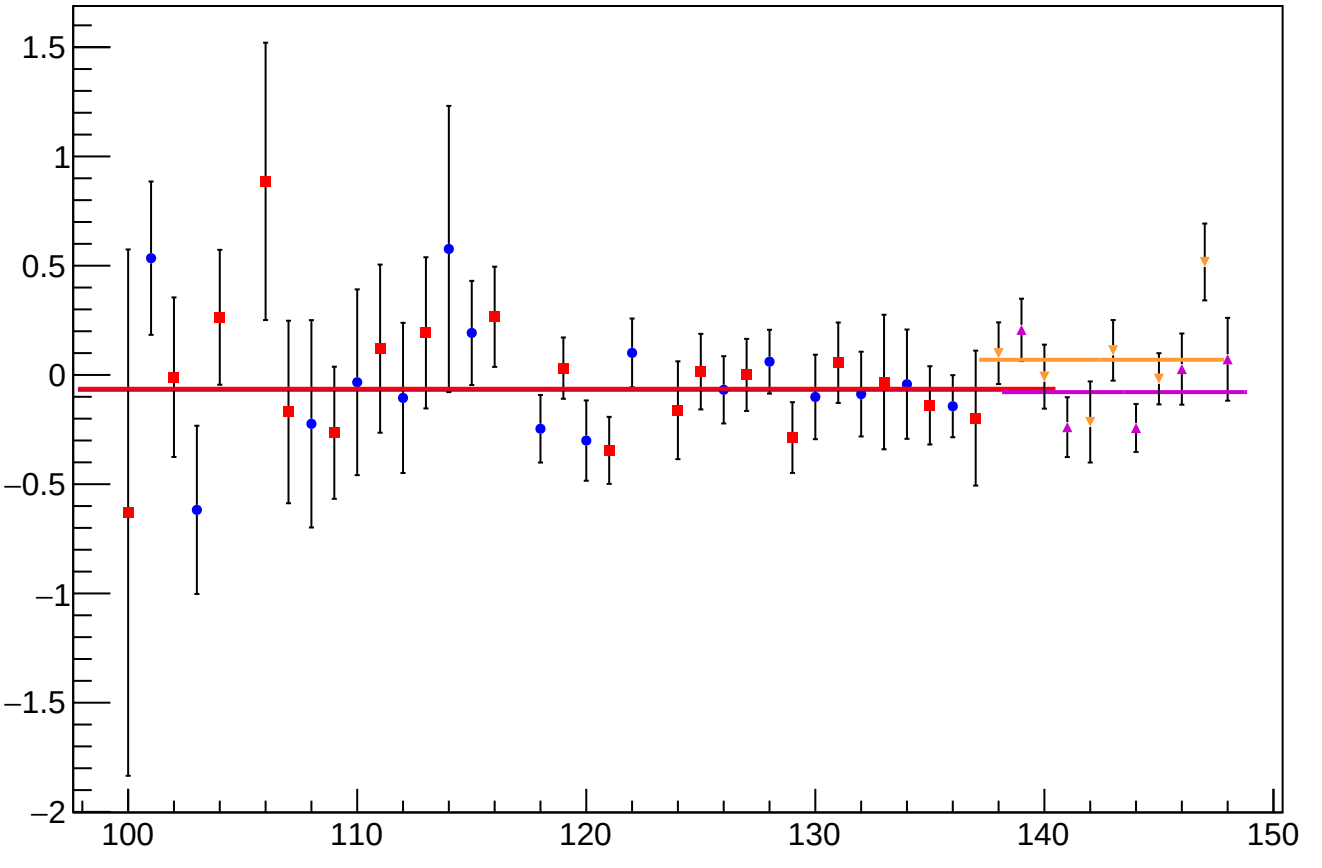
Left: 125.649+/-0.031 χ^2/NDF: 387623.7/10

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 127.835+/-0.028 χ^2/NDF:2034199.7/20

Out: 127.263+/-0.028 χ^2/NDF:2053503.7/24

All: 127.541+/-0.020 χ^2/NDF: 4087913.2/45



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.079+/-0.063 χ^2/NDF:8.6/4

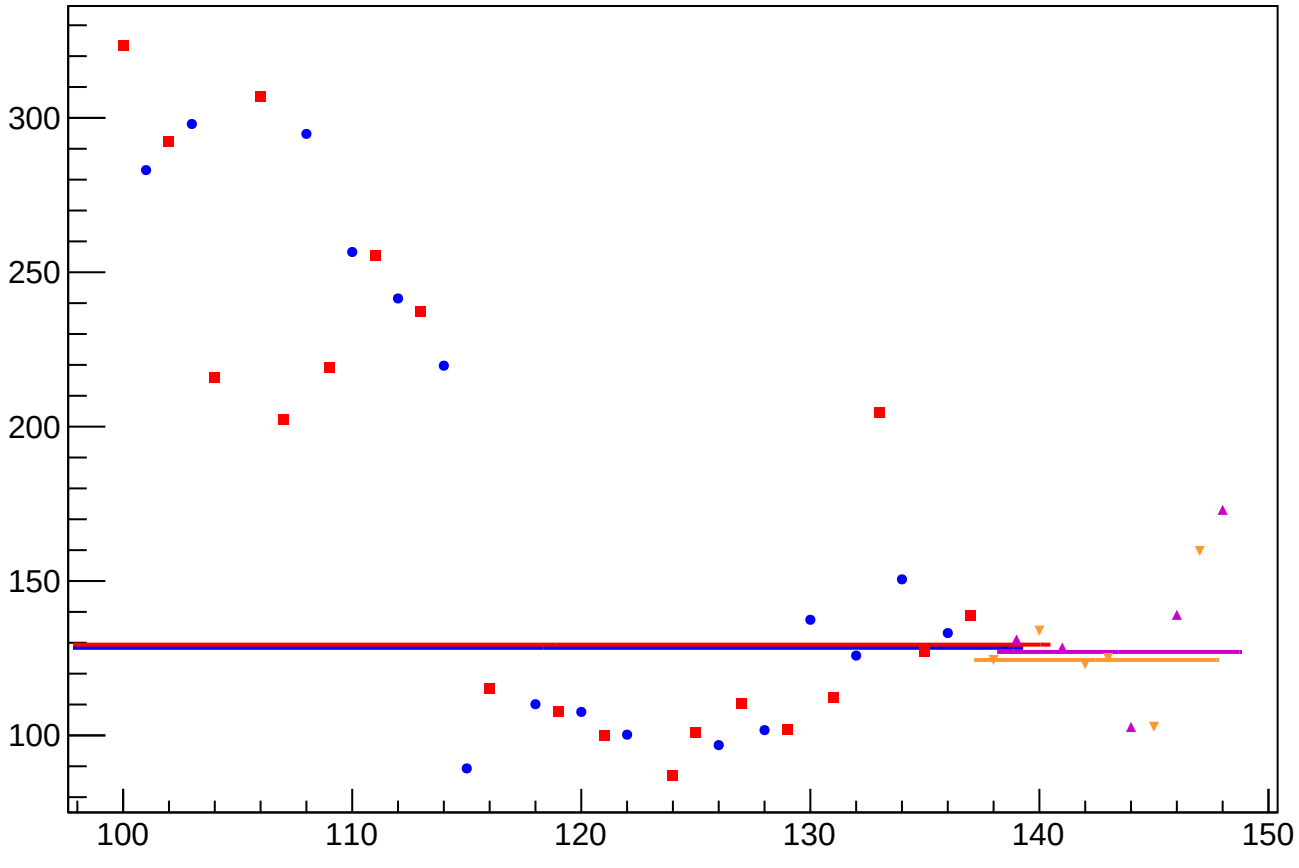
Left: -0.000+/-0.043 χ^2/NDF: 21.3/10

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.038+/-0.028 χ^2/NDF: 49.2/45



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.429+/-0.042 χ^2/NDF:157262.9/5

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

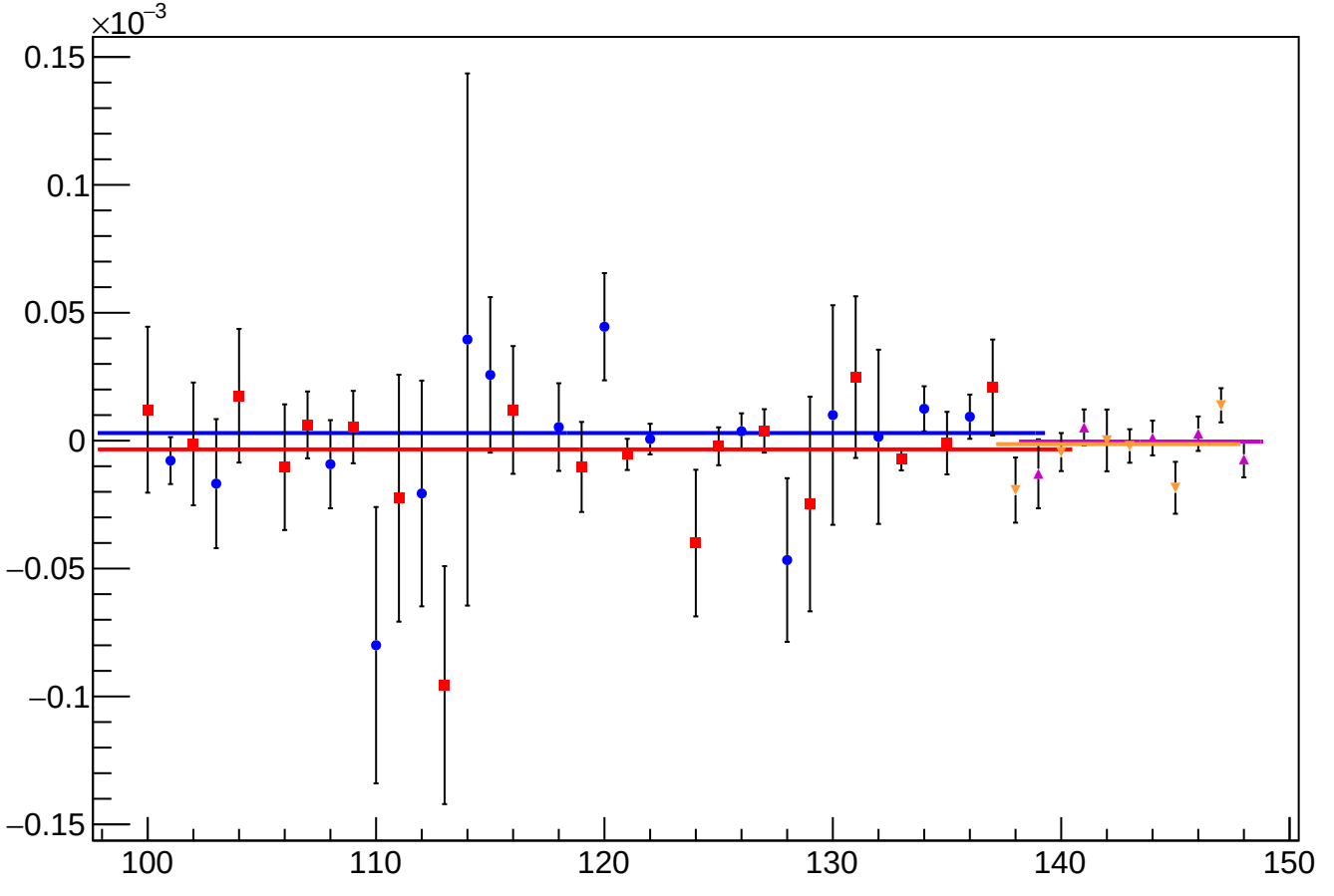
Left: 125.649+/-0.031 χ^2/NDF: 387623.7/10

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 127.835+/-0.028 χ^2/NDF:2034199.7/20

Out: 127.263+/-0.028 χ^2/NDF:2053503.7/24

All: 127.541+/-0.020 χ^2/NDF: 4087913.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

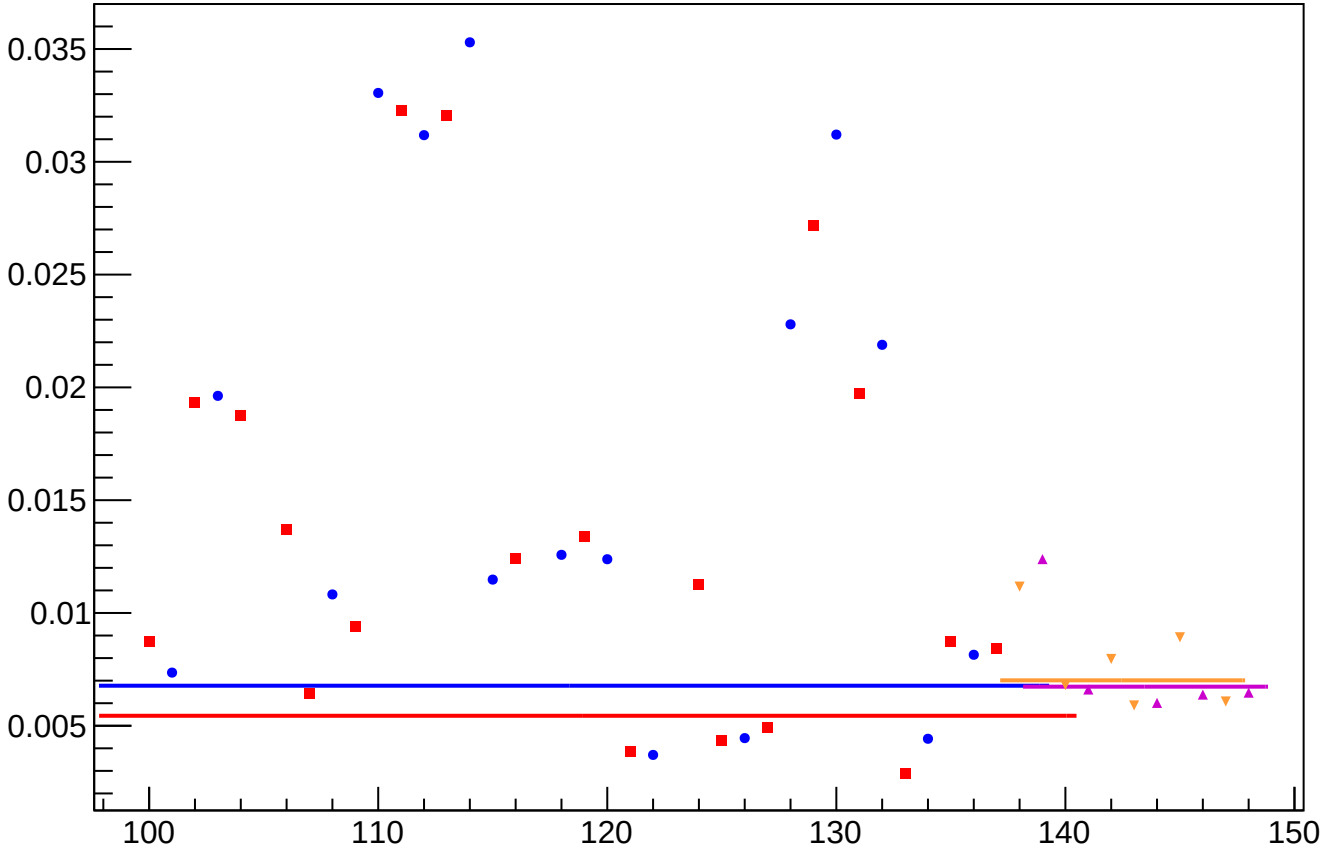
Left: -0.000+/-0.000 χ^2/NDF: 12.9/10

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:17.3/20

Out: -0.000+/-0.000 χ^2/NDF:23.0/24

All: -0.000+/-0.000 χ^2/NDF: 42.1/45



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:394410.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:383608.5/4

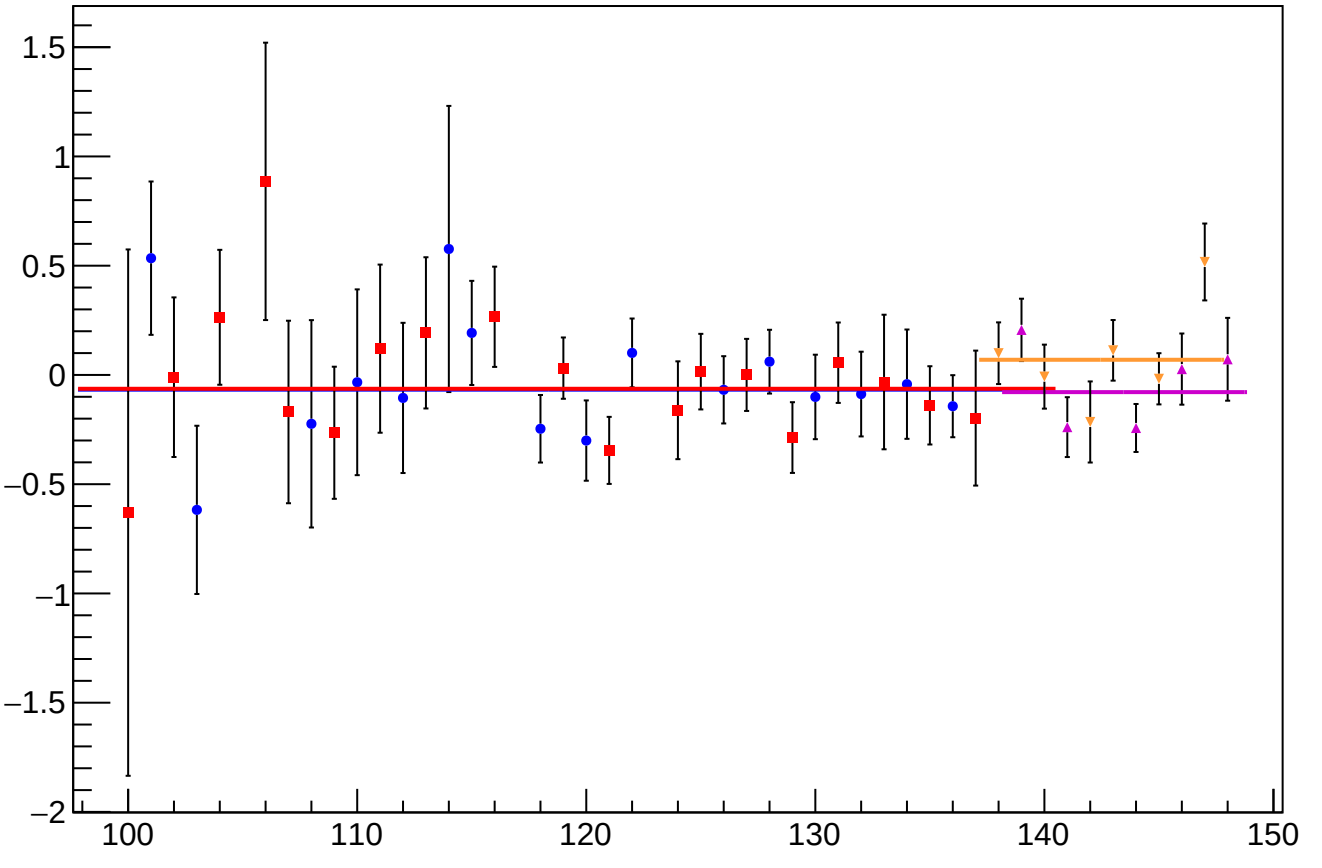
Left: 0.007+/-0.000 χ^2/NDF: 784929.5/10

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5156055.2/20

Out: 0.006+/-0.000 χ^2/NDF:6236371.9/24

All: 0.006+/-0.000 χ^2/NDF: 11506078.0/45



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.079+/-0.063 χ^2/NDF:8.6/4

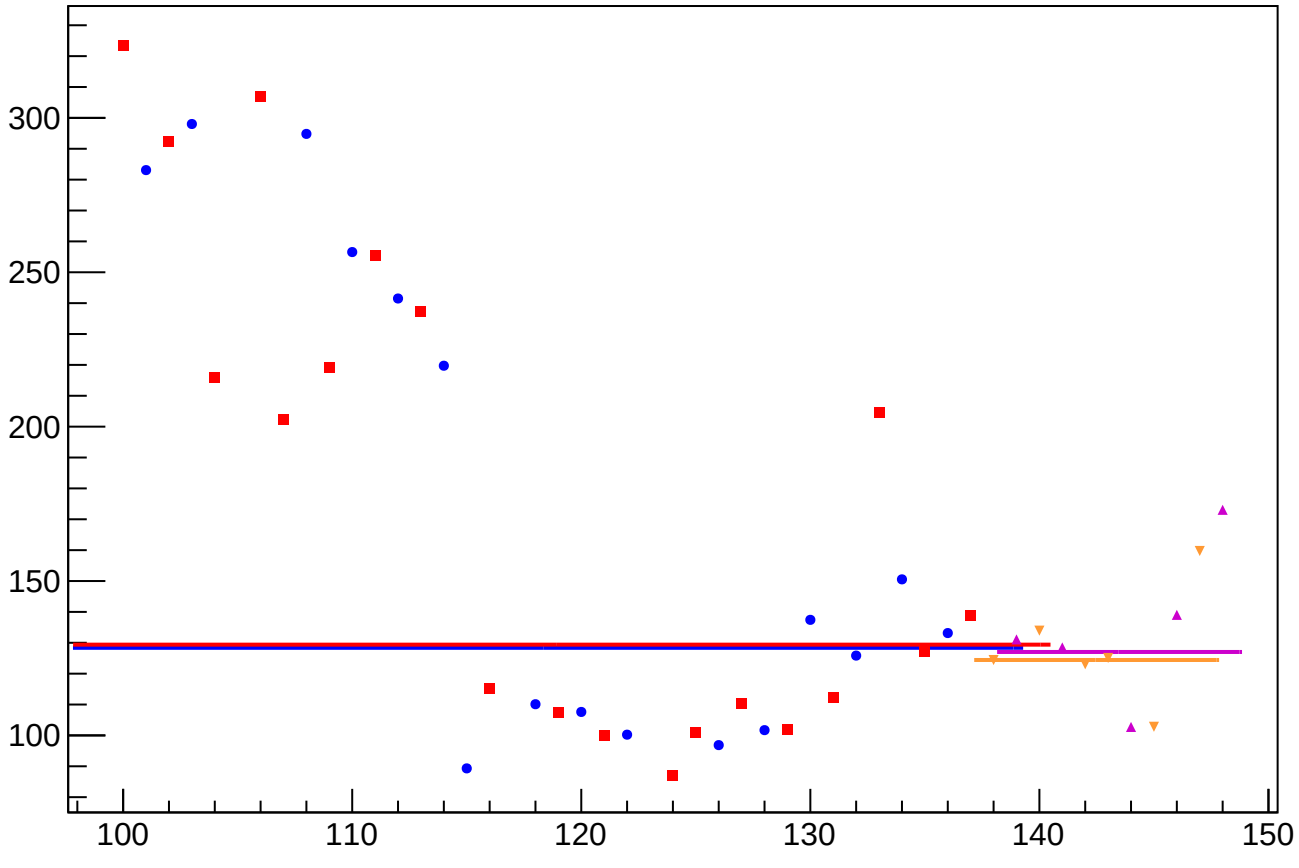
Left: -0.000+/-0.043 χ^2/NDF: 21.3/10

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.038+/-0.028 χ^2/NDF: 49.2/45



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.429+/-0.042 χ^2/NDF:157270.9/5

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

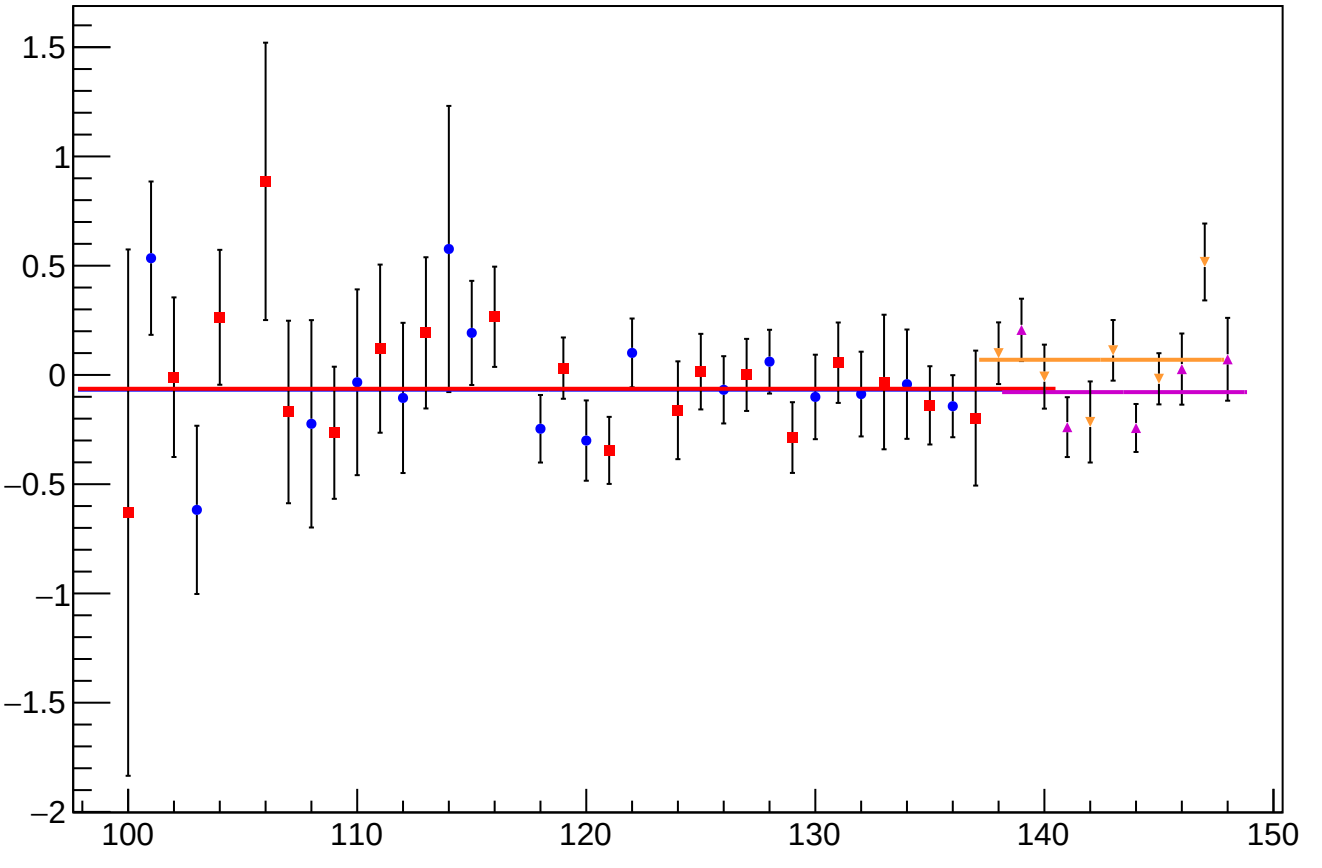
Left: 125.649+/-0.031 χ^2/NDF: 387629.4/10

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 127.833+/-0.028 χ^2/NDF:2034142.8/20

Out: 127.261+/-0.028 χ^2/NDF:2053503.8/24

All: 127.539+/-0.020 χ^2/NDF: 4087856.4/45



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.079+/-0.063 χ^2/NDF:8.6/4

Left: -0.000+/-0.043 χ^2/NDF: 21.3/10

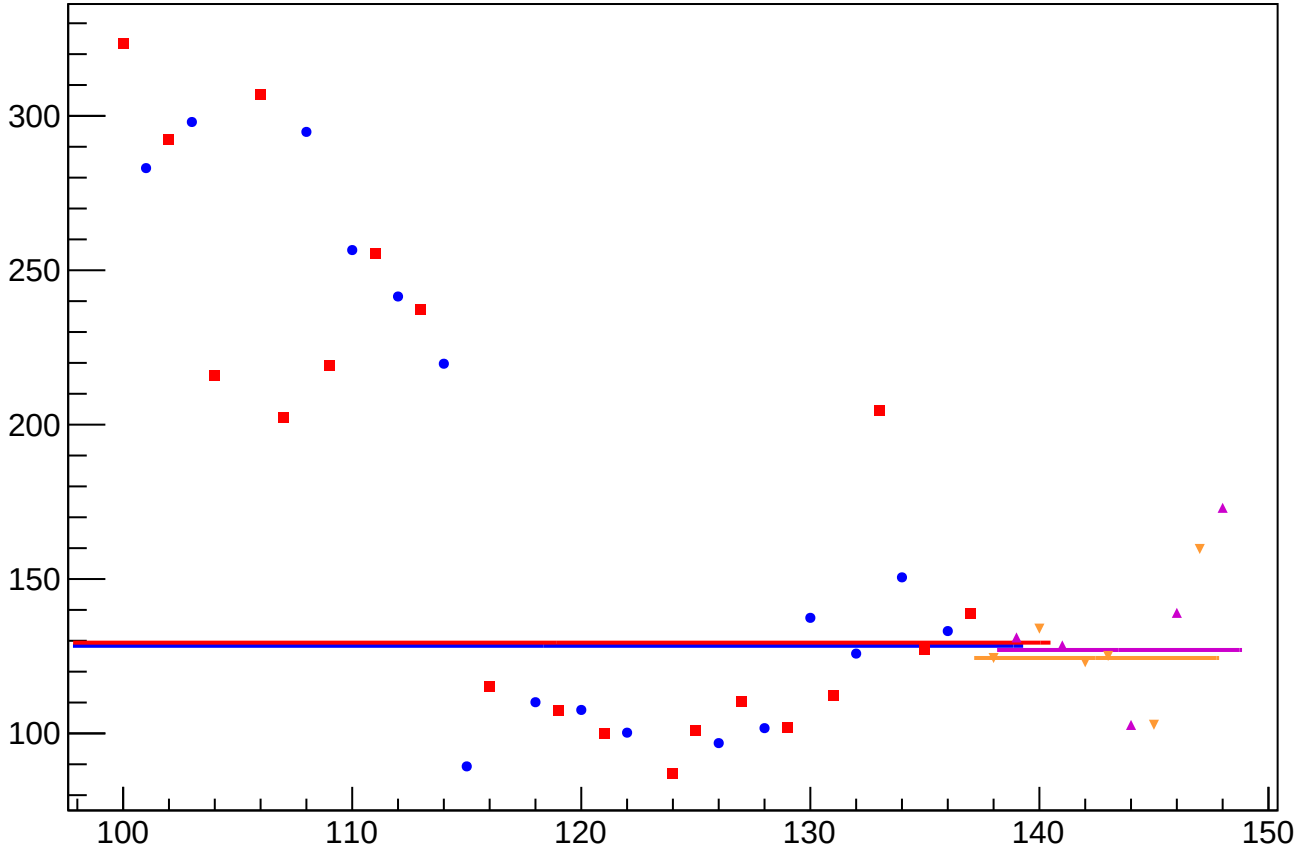
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.038+/-0.028 χ^2/NDF: 49.2/45

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: 124.429+/-0.042 χ^2/NDF:157270.9/5

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

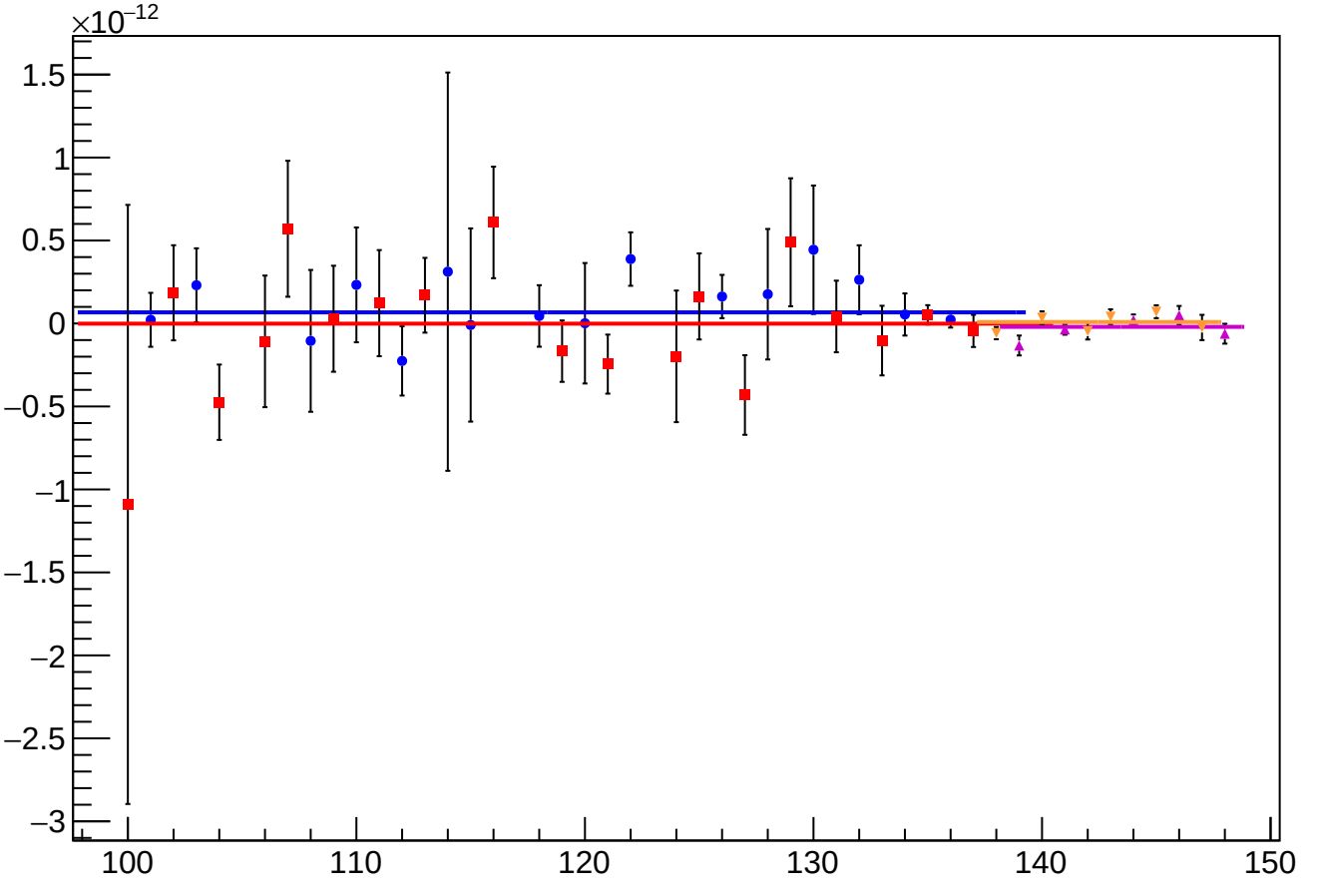
Left: 125.649+/-0.031 χ^2/NDF: 387629.4/10

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 127.833+/-0.028 χ^2/NDF:2034142.8/20

Out: 127.261+/-0.028 χ^2/NDF:2053503.8/24

All: 127.539+/-0.020 χ^2/NDF: 4087856.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/4

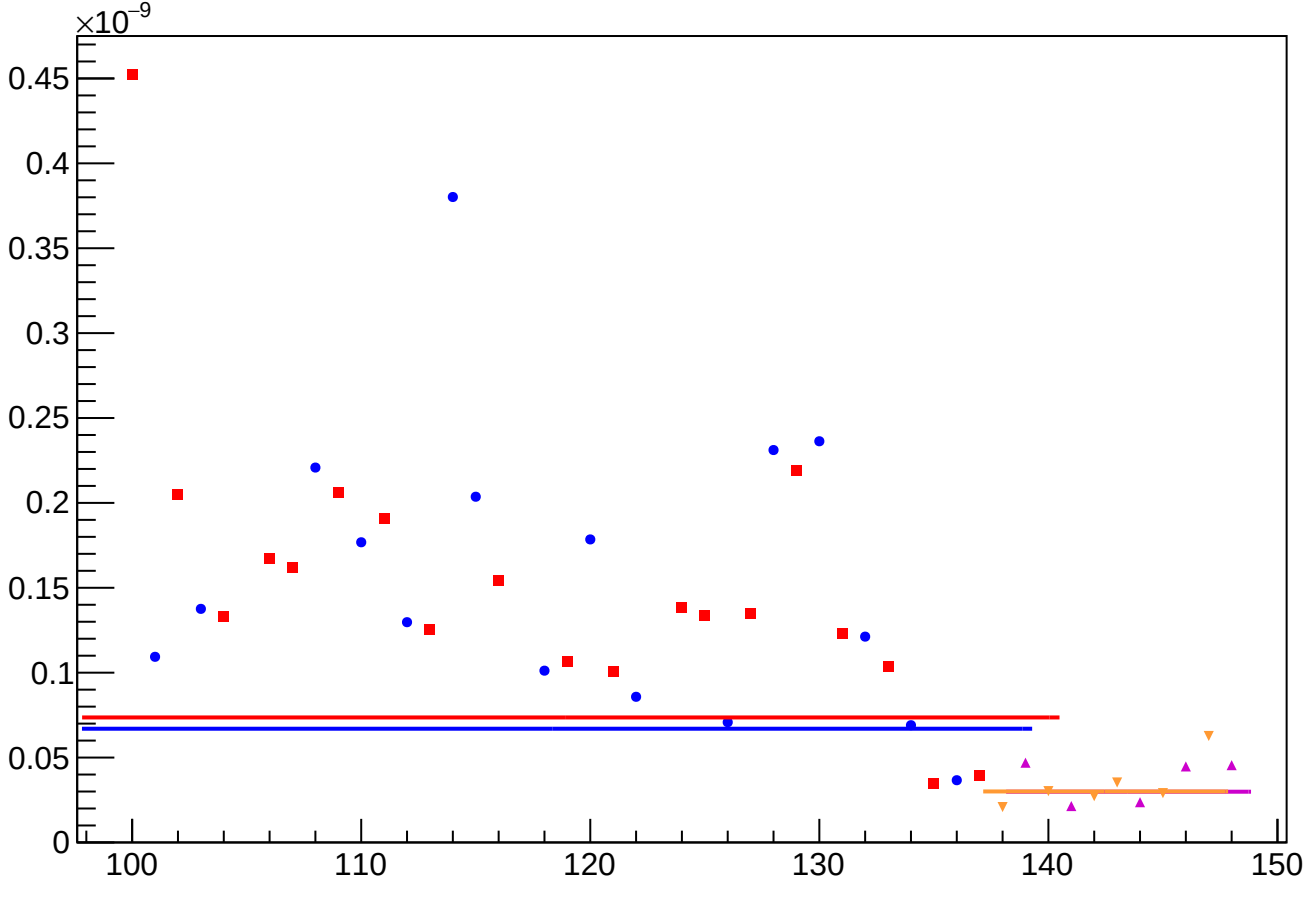
Left: -0.000+/-0.000 χ^2/NDF: 16.7/10

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:22.2/20

Out: 0.000+/-0.000 χ^2/NDF:28.9/24

All: 0.000+/-0.000 χ^2/NDF: 51.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:528277.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:651703.6/4

Left: 0.000+/-0.000 χ^2/NDF: 1180048.2/10

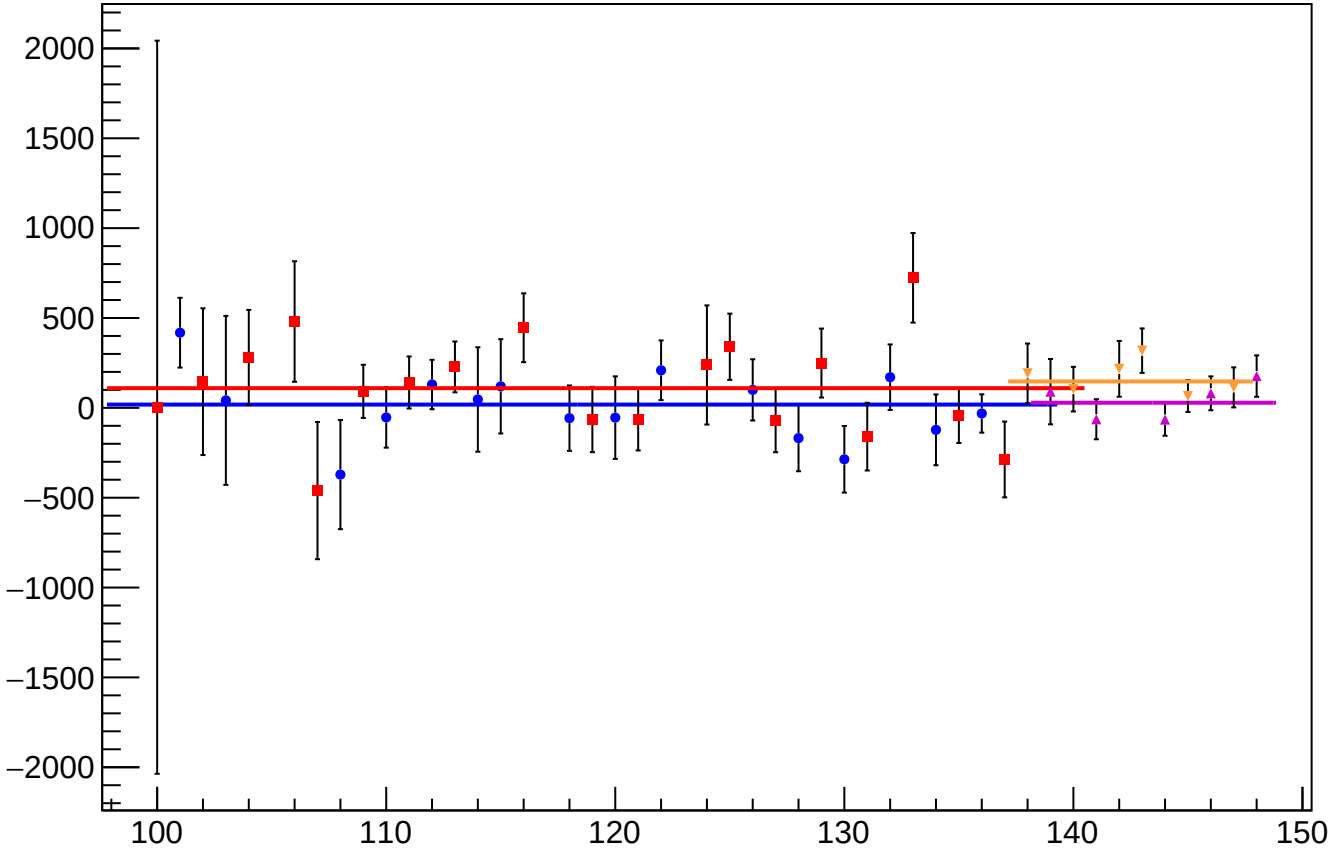
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5484532.9/20

Out: 0.000+/-0.000 χ^2/NDF:6215070.4/24

All: 0.000+/-0.000 χ^2/NDF: 11700505.0/45

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.006+/-49.116 χ^2/NDF:3.2/5

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 28.437+/-48.684 χ^2/NDF:3.8/4

Left: 87.198+/-34.576 χ^2/NDF: 10.0/10

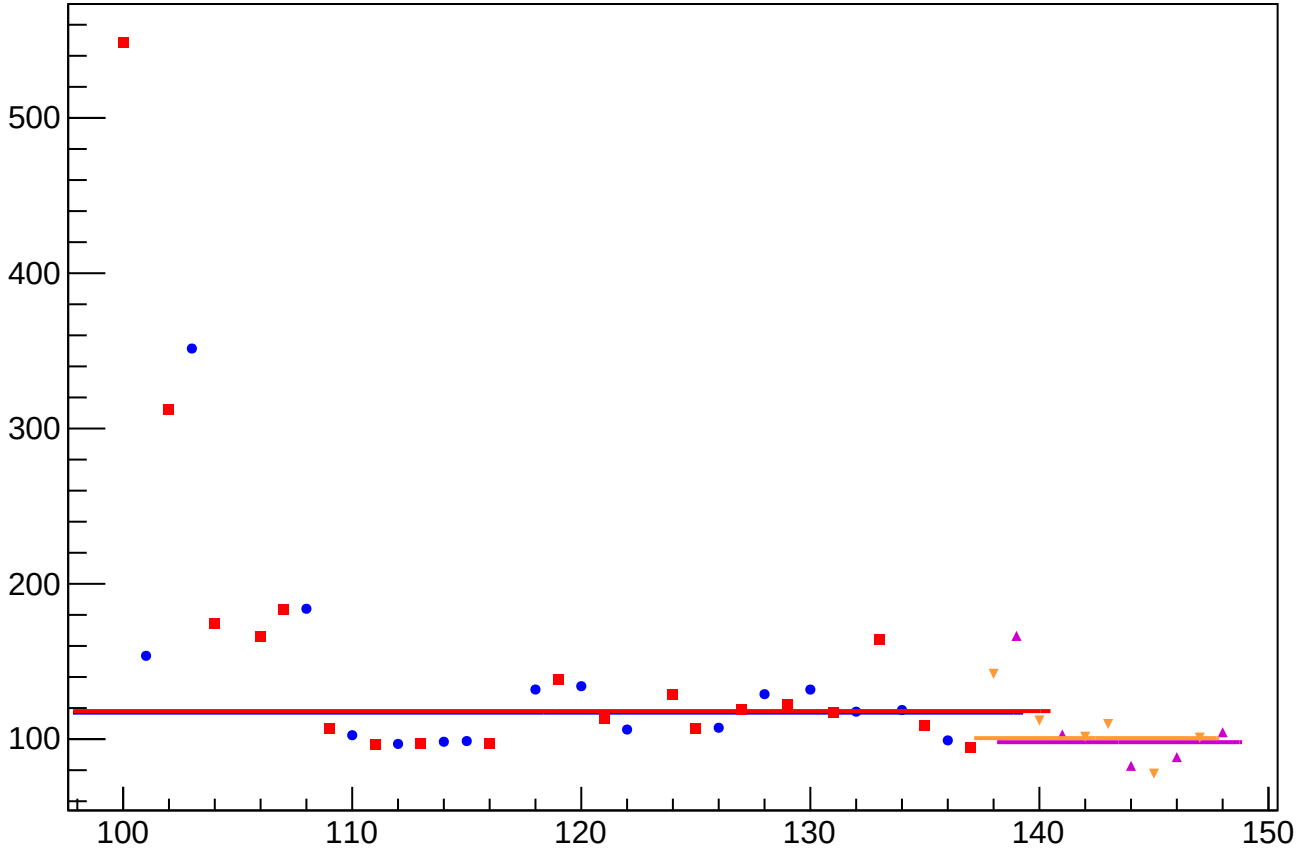
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 22.998+/-33.321 χ^2/NDF:17.7/20

Out: 126.918+/-33.506 χ^2/NDF:29.0/24

All: 74.671+/-23.627 χ^2/NDF: 51.6/45

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

Left: 99.325+/-0.024 χ^2/NDF: 658544.9/10

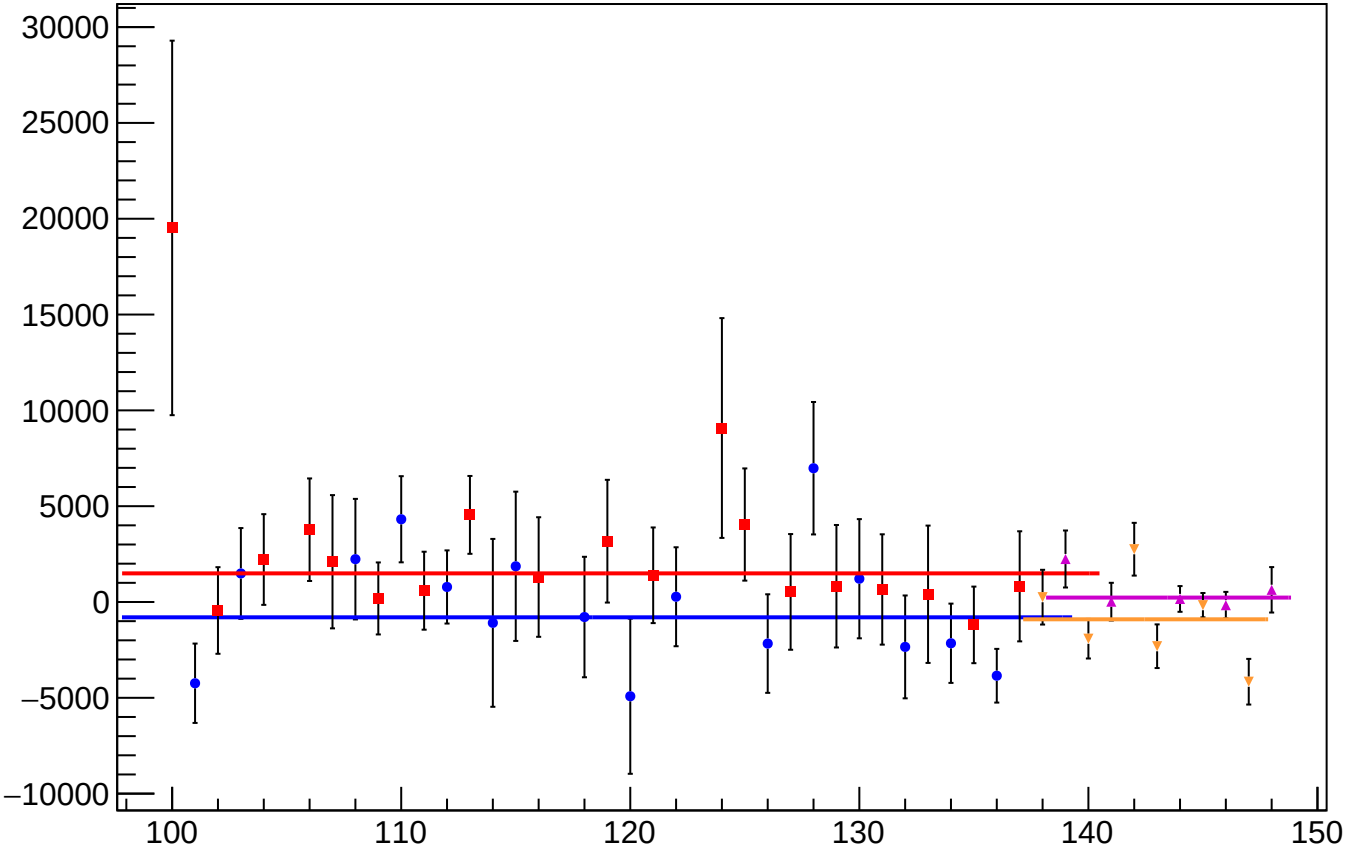
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 108.147+/-0.024 χ^2/NDF:1392358.8/20

Out: 109.952+/-0.024 χ^2/NDF:1409392.3/24

All: 109.045+/-0.017 χ^2/NDF: 2804667.6/45

asym_sam3_reg_correction_mean vs Slug, Sign Corrected



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -903.331+/-411.357 χ^2/NDF:19.0/5

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 229.980+/-392.347 χ^2/NDF:2.3/4

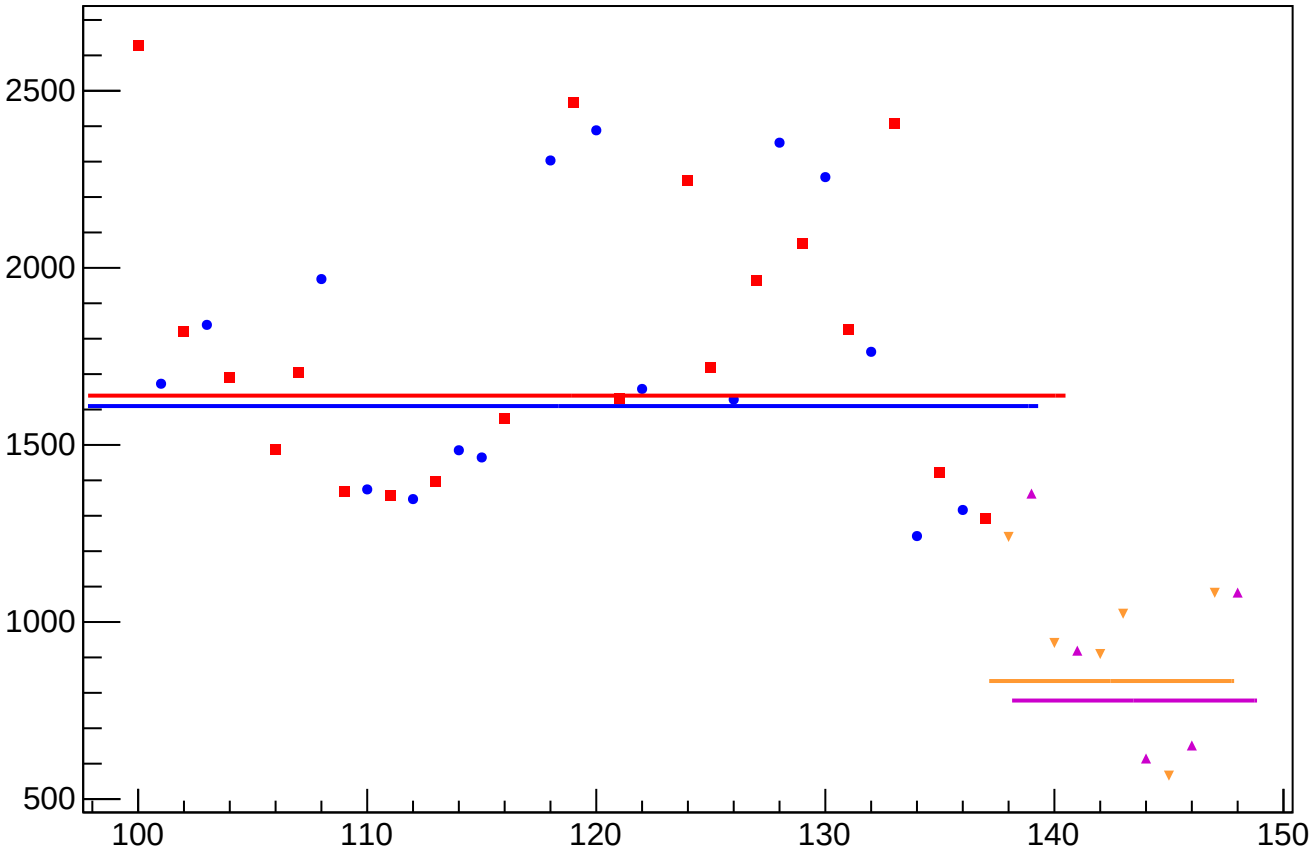
Left: -309.884+/-283.914 χ^2/NDF: 25.3/10

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -67.014+/-330.925 χ^2/NDF:27.8/20

Out: -159.166+/-341.593 χ^2/NDF:42.5/24

All: -111.628+/-237.681 χ^2/NDF: 70.3/45



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.8/5

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 778.280+/-0.277 χ^2/NDF:667927.6/4

Left: 804.523+/-0.201 χ^2/NDF: 1373634.9/10

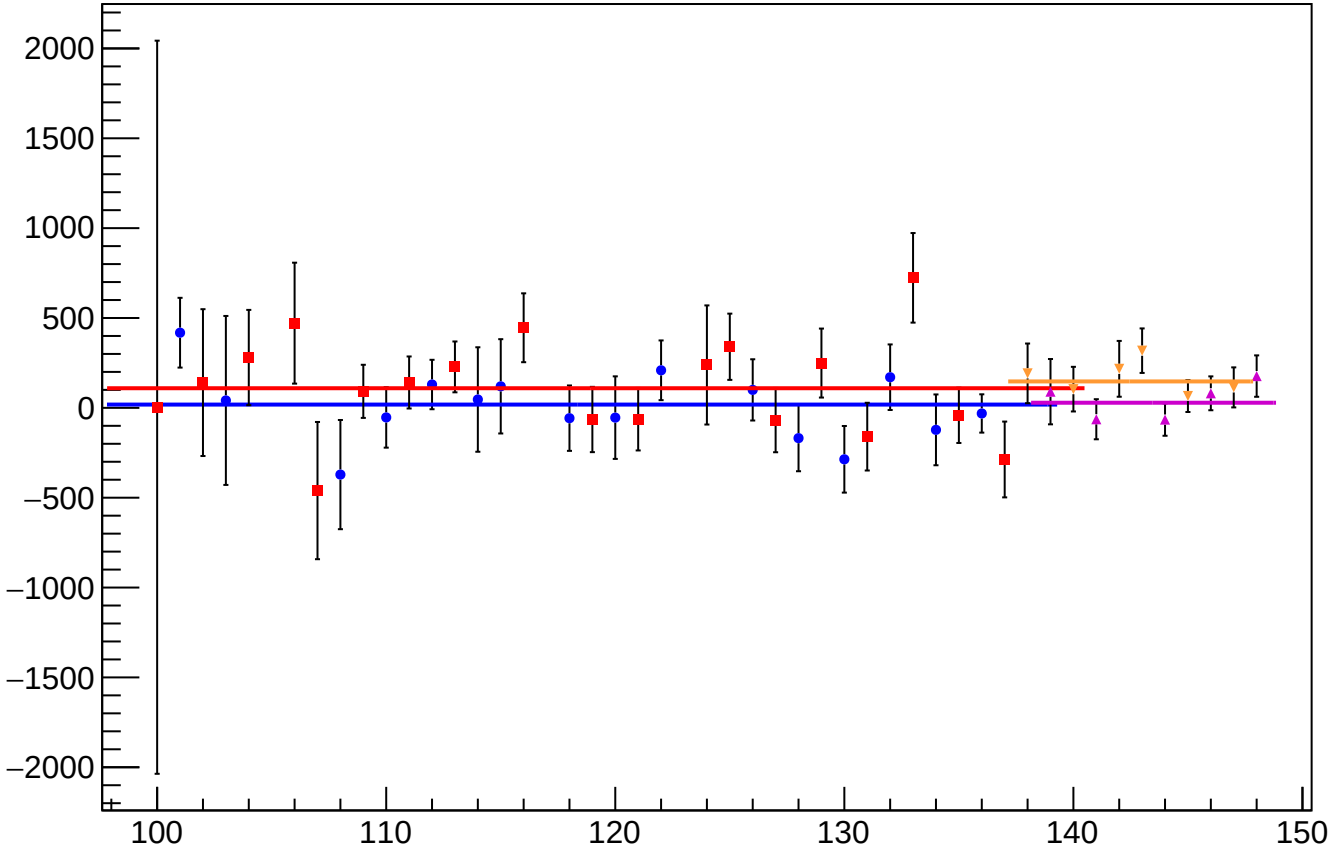
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1018.245+/-0.234 χ^2/NDF:3879447.8/20

Out: 1083.535+/-0.242 χ^2/NDF:3589877.2/24

All: 1049.854+/-0.168 χ^2/NDF: 7507015.5/45

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.017+/-49.116 χ^2/NDF:3.2/5

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 28.439+/-48.684 χ^2/NDF:3.8/4

Left: 87.204+/-34.576 χ^2/NDF: 10.0/10

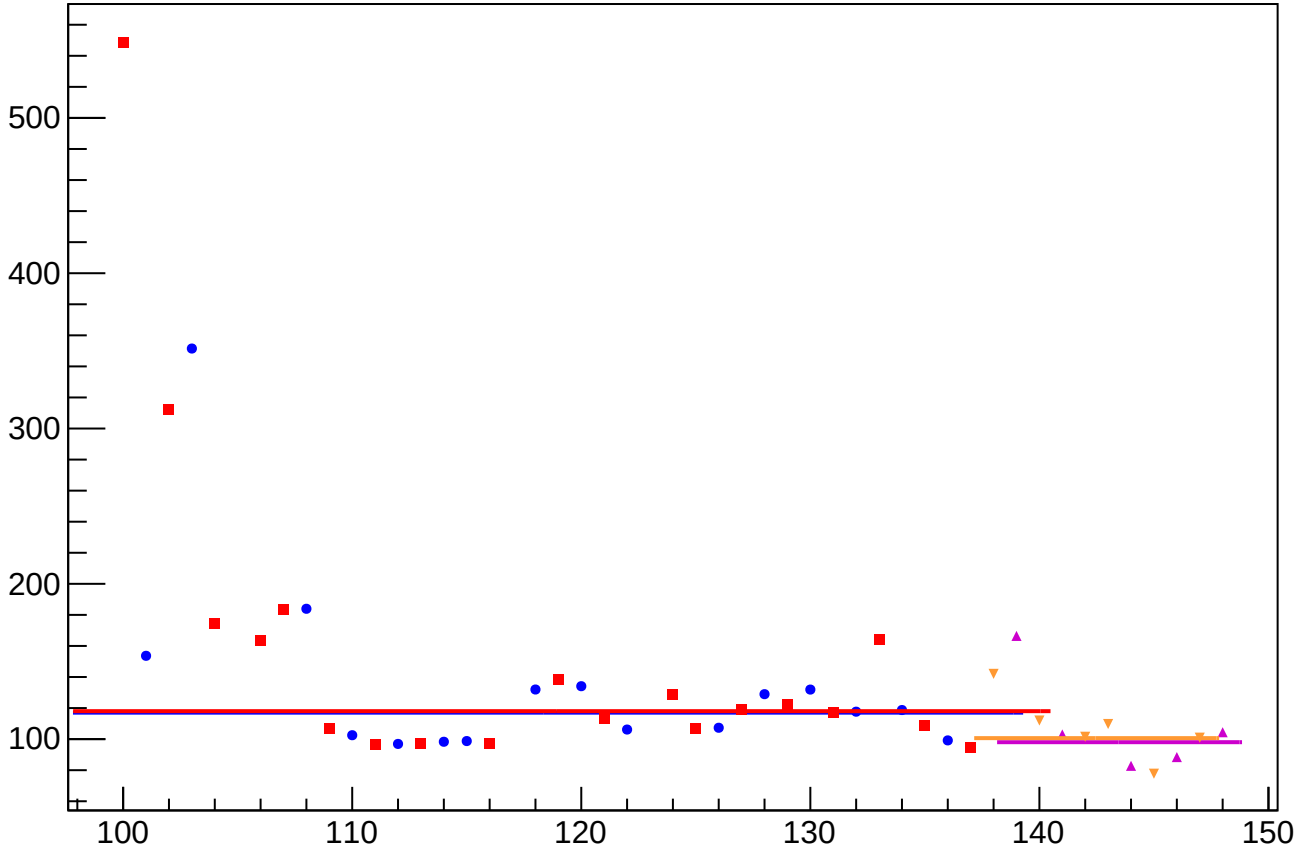
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 22.992+/-33.321 χ^2/NDF:17.7/20

Out: 126.774+/-33.507 χ^2/NDF:28.9/24

All: 74.594+/-23.627 χ^2/NDF: 51.5/45

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

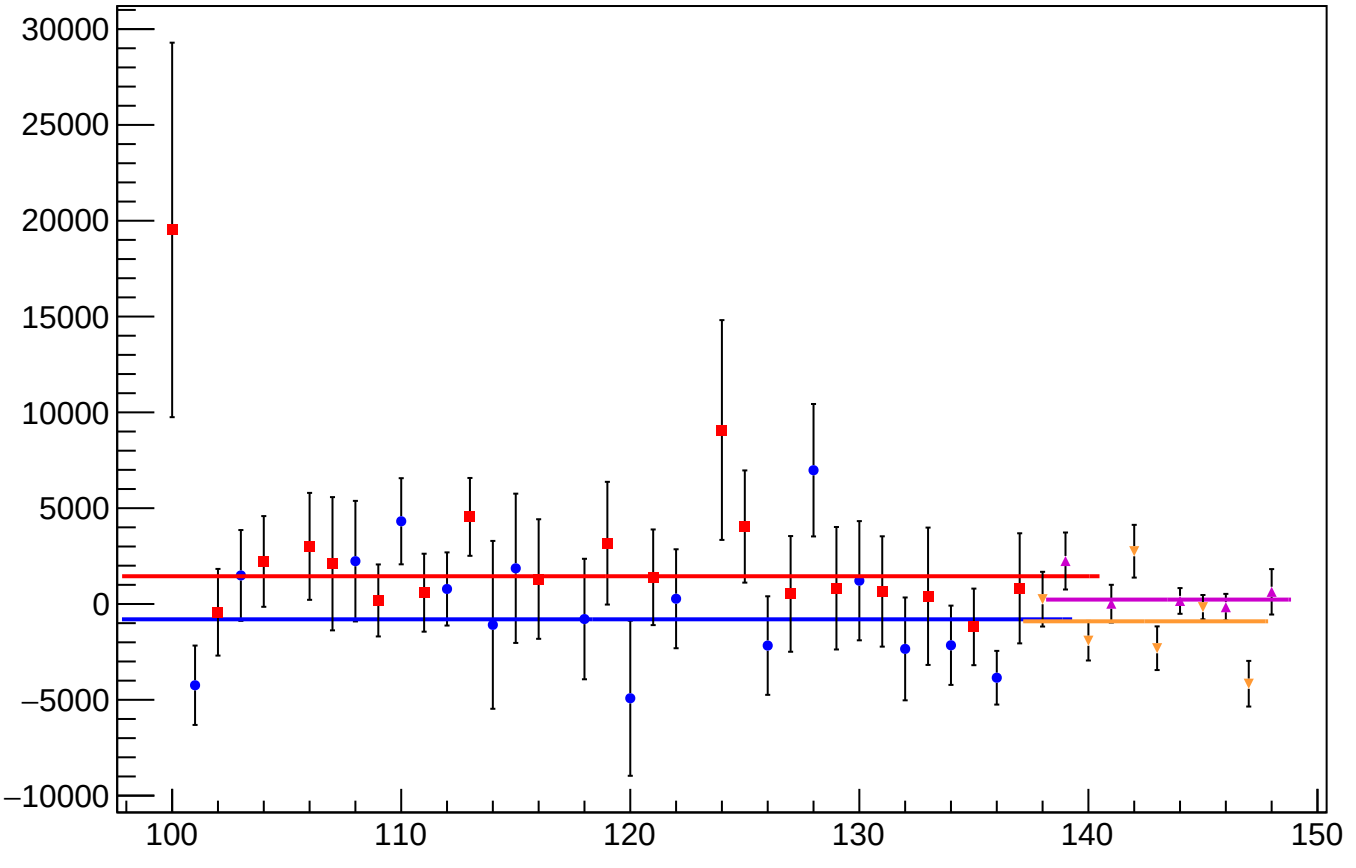
Left: 99.325+/-0.024 χ^2/NDF: 658544.9/10

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.147+/-0.024 χ^2/NDF:1392360.7/20

Out: 109.924+/-0.024 χ^2/NDF:1404391.6/24

All: 109.031+/-0.017 χ^2/NDF: 2799578.1/45



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -903.319+/-411.357 χ^2/NDF:19.0/5

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 229.991+/-392.347 χ^2/NDF:2.3/4

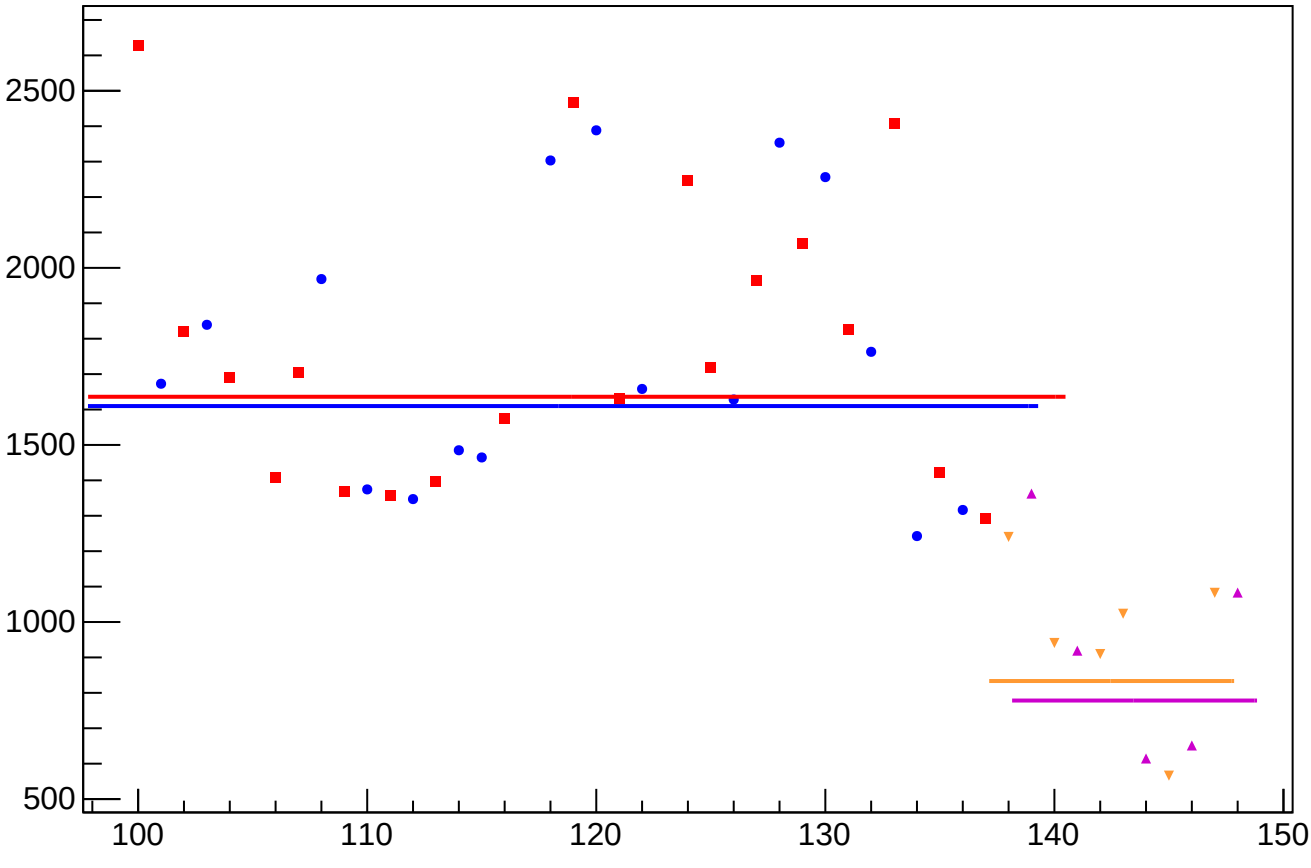
Left: -309.872+/-283.914 χ^2/NDF: 25.3/10

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -66.998+/-330.926 χ^2/NDF:27.8/20

Out: -175.477+/-341.825 χ^2/NDF:41.6/24

All: -119.481+/-237.760 χ^2/NDF: 69.4/45



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.9/5

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 778.280+/-0.277 χ^2/NDF:667929.4/4

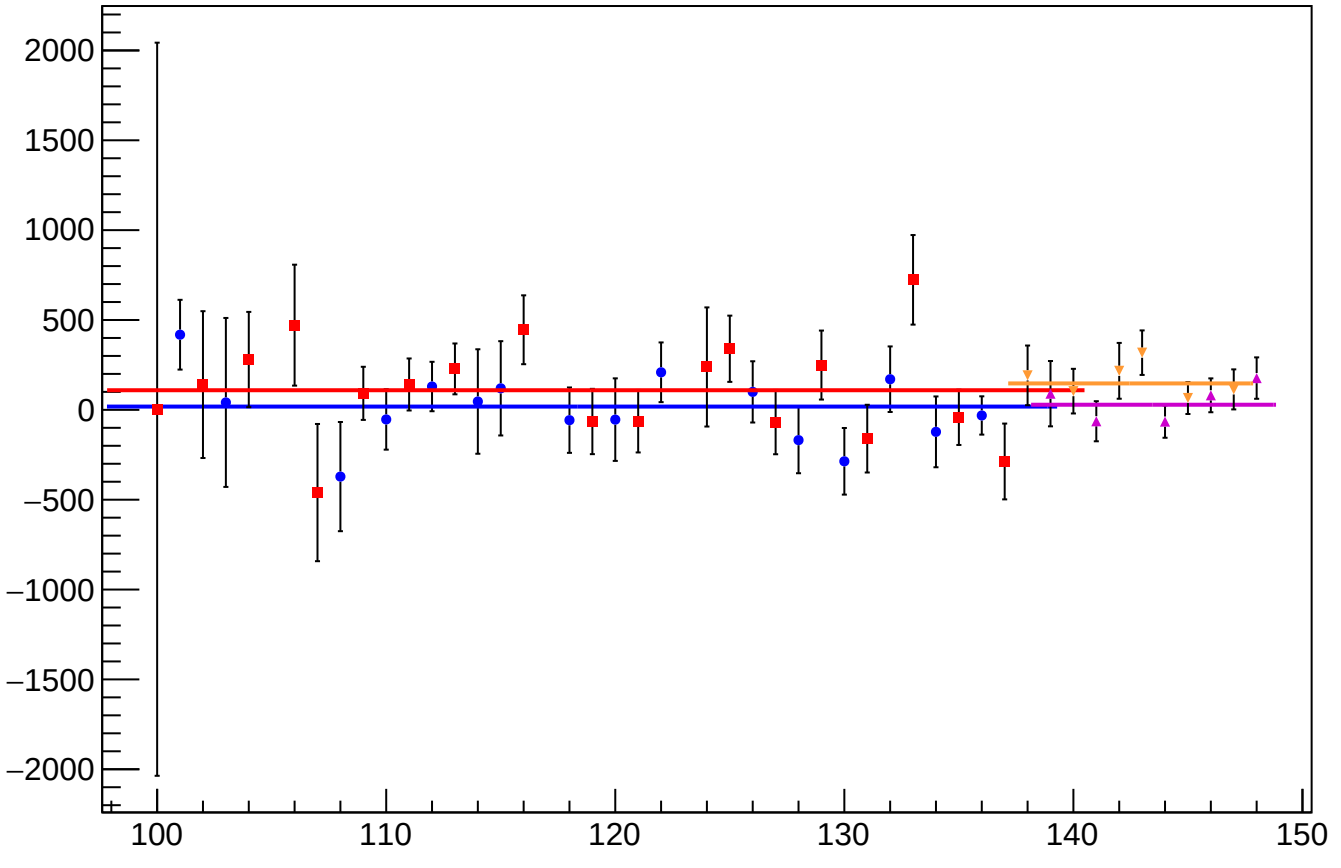
Left: 804.522+/-0.201 χ^2/NDF: 1373636.9/10

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1018.245+/-0.234 χ^2/NDF:3879512.2/20

Out: 1081.789+/-0.242 χ^2/NDF:3571507.1/24

All: 1048.988+/-0.168 χ^2/NDF: 7486696.9/45



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.017+/-49.116 χ^2/NDF:3.2/5

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 28.439+/-48.684 χ^2/NDF:3.8/4

Left: 87.204+/-34.576 χ^2/NDF: 10.0/10

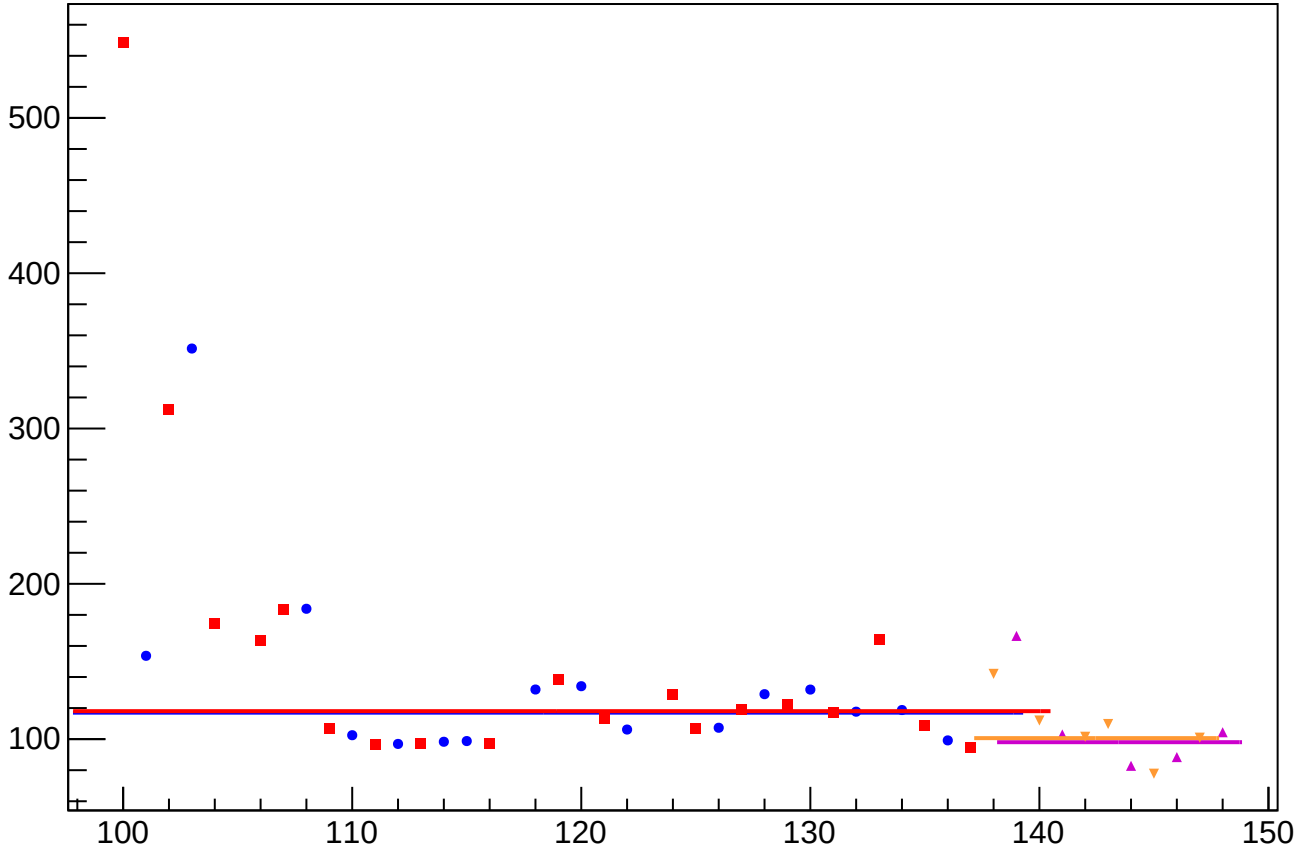
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 22.992+/-33.321 χ^2/NDF:17.7/20

Out: 126.774+/-33.507 χ^2/NDF:28.9/24

All: 74.594+/-23.627 χ^2/NDF: 51.5/45

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

Left: 99.325+/-0.024 χ^2/NDF: 658544.9/10

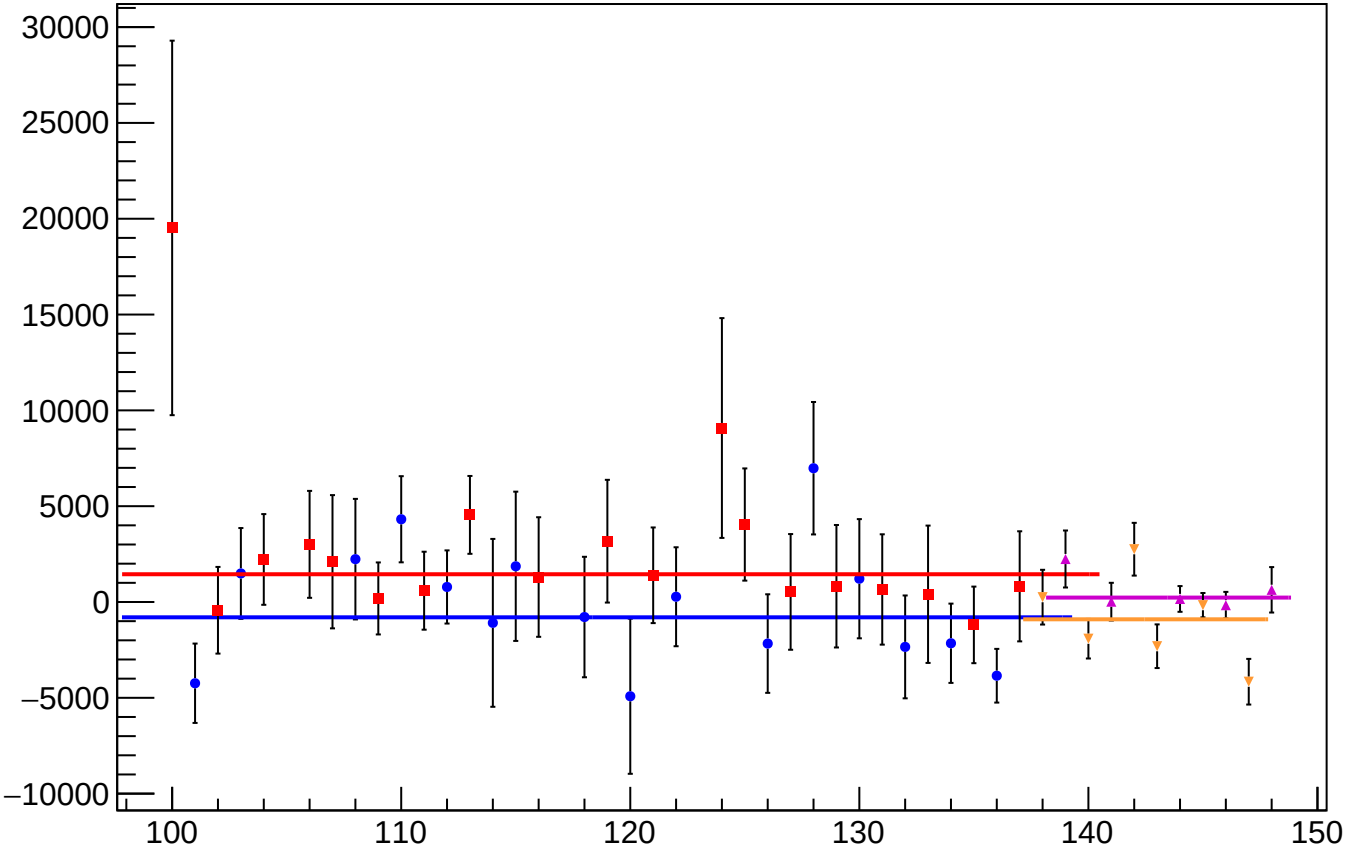
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.147+/-0.024 χ^2/NDF:1392360.7/20

Out: 109.924+/-0.024 χ^2/NDF:1404391.6/24

All: 109.031+/-0.017 χ^2/NDF: 2799578.1/45

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -903.319+/-411.357 χ^2/NDF:19.0/5

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 229.991+/-392.347 χ^2/NDF:2.3/4

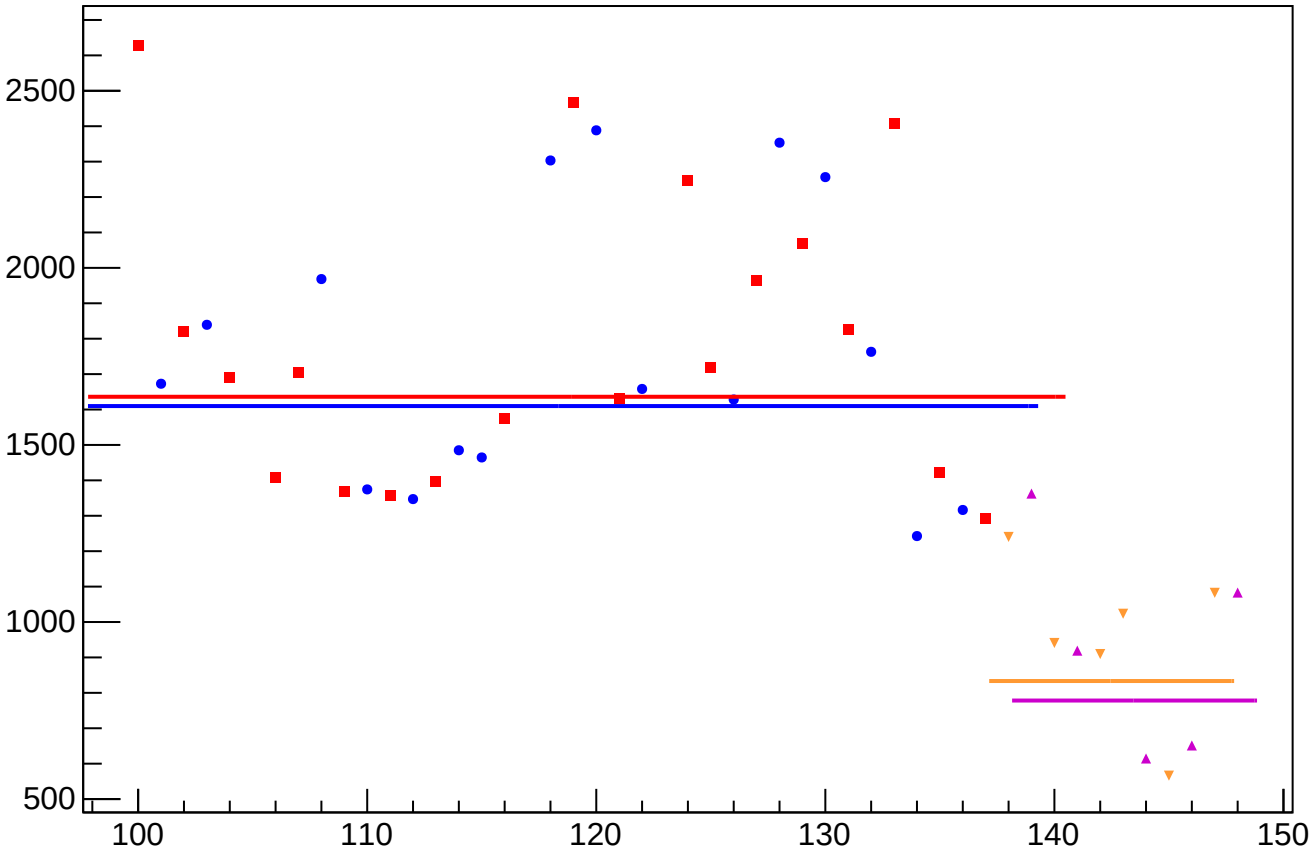
Left: -309.872+/-283.914 χ^2/NDF: 25.3/10

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -66.998+/-330.926 χ^2/NDF:27.8/20

Out: -175.477+/-341.825 χ^2/NDF:41.6/24

All: -119.481+/-237.760 χ^2/NDF: 69.4/45



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.9/5

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 778.280+/-0.277 χ^2/NDF:667929.4/4

Left: 804.522+/-0.201 χ^2/NDF: 1373636.9/10

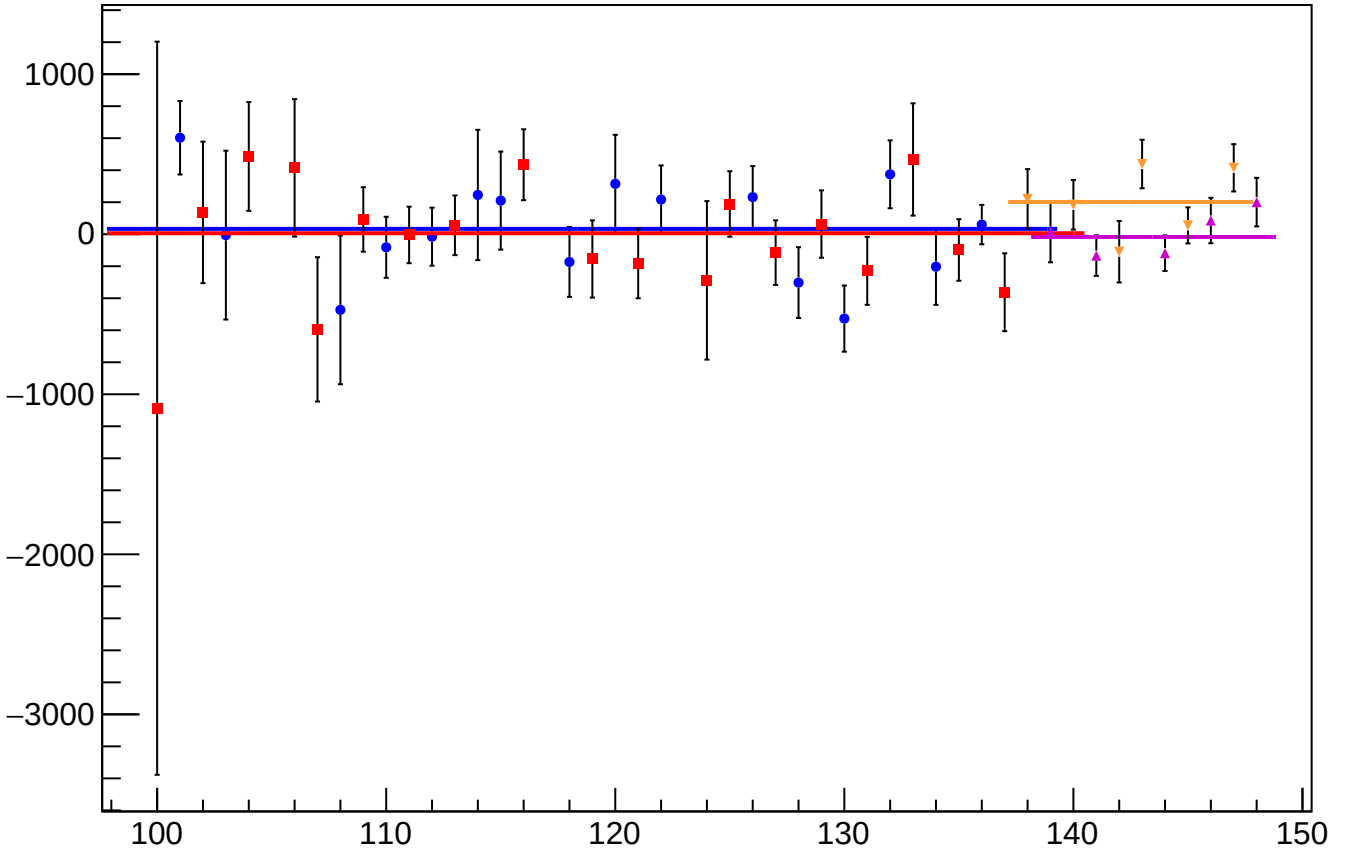
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1018.245+/-0.234 χ^2/NDF:3879512.2/20

Out: 1081.789+/-0.242 χ^2/NDF:3571507.1/24

All: 1048.988+/-0.168 χ^2/NDF: 7486696.9/45

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 201.524+/-61.341 χ^2/NDF:8.9/5

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -17.413+/-61.579 χ^2/NDF:4.3/4

Left: 92.479+/-43.459 χ^2/NDF: 19.5/10

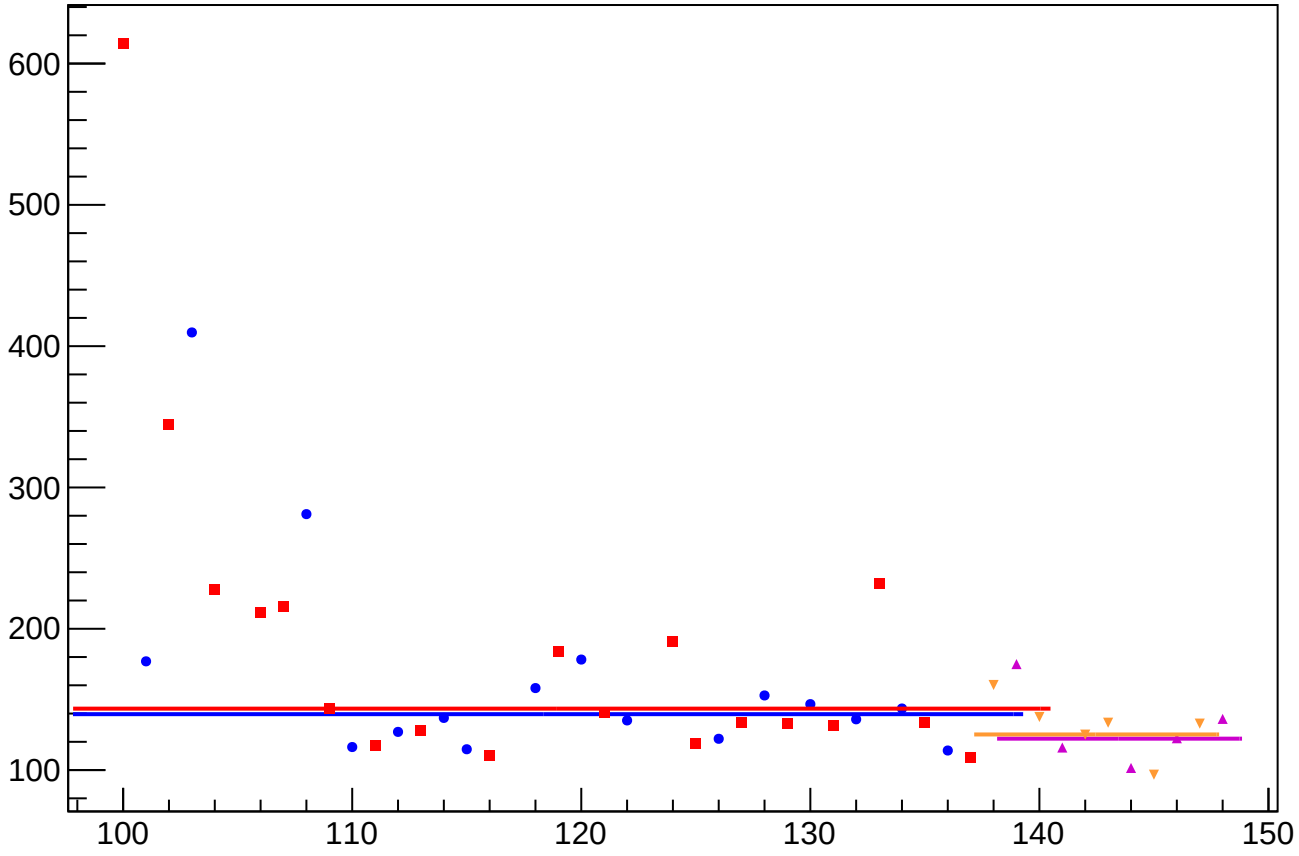
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 10.934+/-40.982 χ^2/NDF:29.8/20

Out: 95.094+/-41.394 χ^2/NDF:31.7/24

All: 52.593+/-29.123 χ^2/NDF: 63.6/45

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 125.204+/-0.043 χ^2/NDF:222481.8/5

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 122.233+/-0.044 χ^2/NDF:243714.5/4

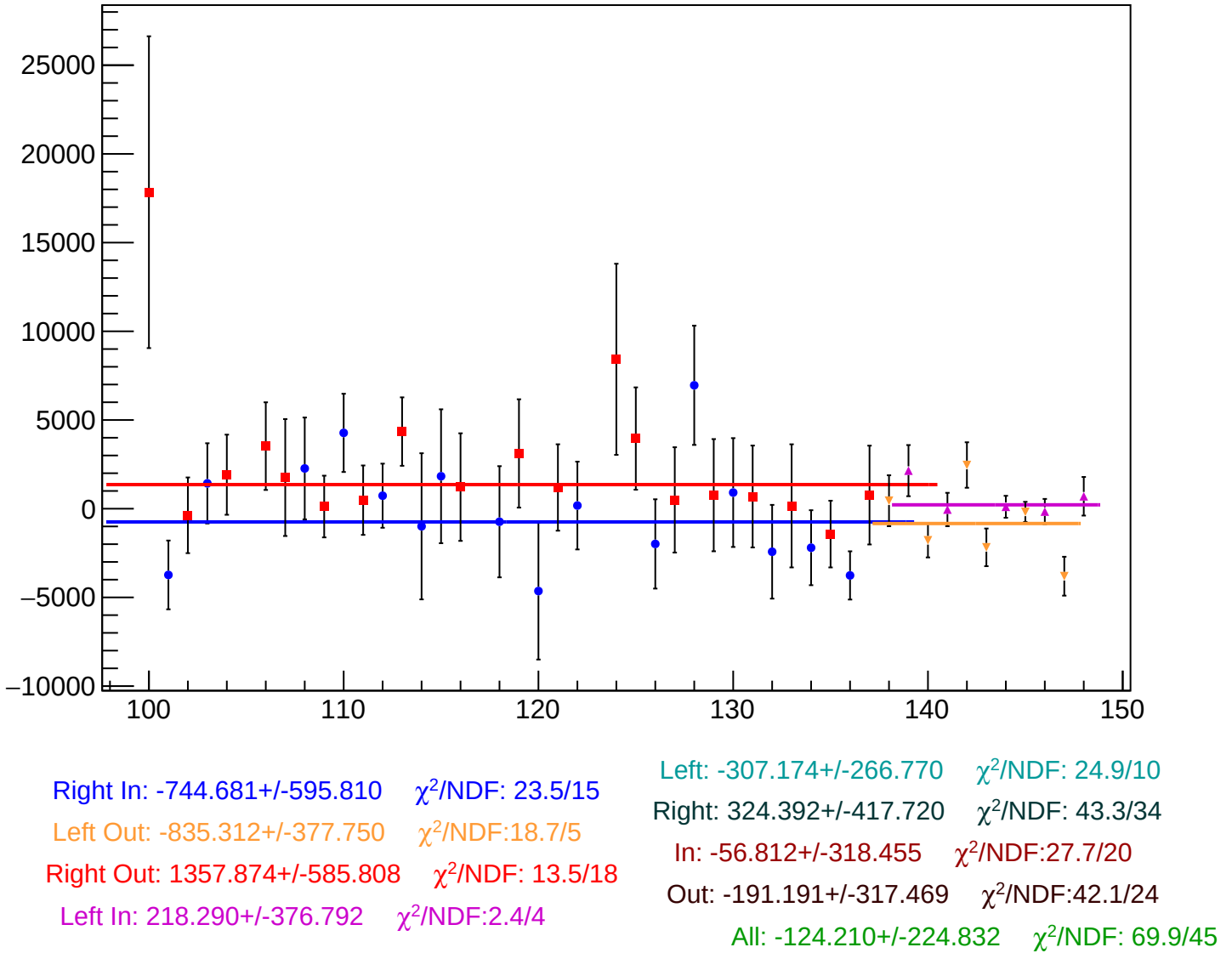
Left: 123.724+/-0.031 χ^2/NDF: 468533.5/10

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

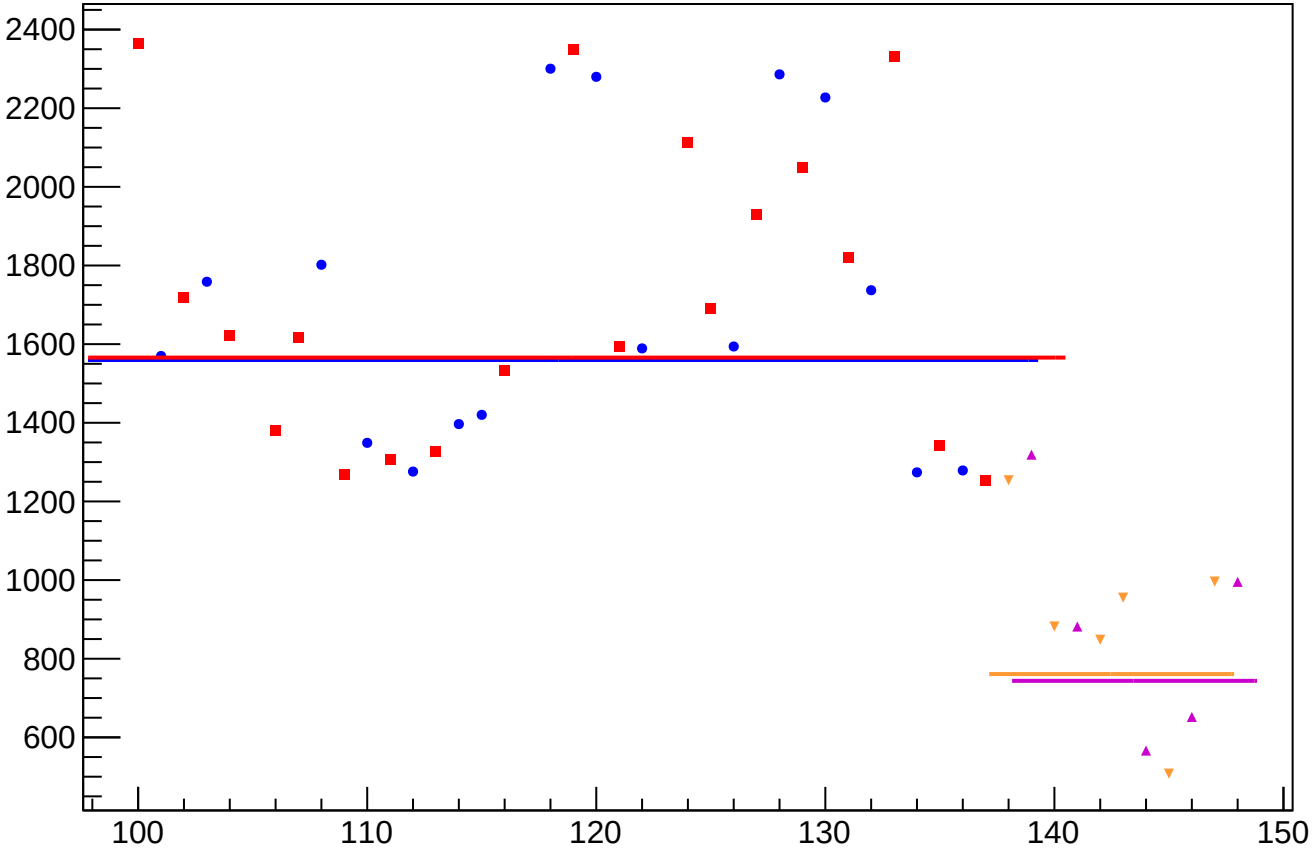
In: 131.889+/-0.029 χ^2/NDF:1308727.6/20

Out: 135.157+/-0.029 χ^2/NDF:1435834.3/24

All: 133.507+/-0.021 χ^2/NDF: 2750857.8/45


asym_sam3_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -744.681+/-595.810 χ²/NDF: 23.5/15
Left Out: -835.312+/-377.750 χ²/NDF:18.7/5
Right Out: 1357.874+/-585.808 χ²/NDF: 13.5/18
Left In: 218.290+/-376.792 χ²/NDF:2.4/4
Left: -307.174+/-266.770 χ²/NDF: 24.9/10
Right: 324.392+/-417.720 χ²/NDF: 43.3/34
In: -56.812+/-318.455 χ²/NDF:27.7/20
Out: -191.191+/-317.469 χ²/NDF:42.1/24
All: -124.210+/-224.832 χ²/NDF: 69.9/45

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 761.003+/-0.267 χ^2/NDF:835874.2/5

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 743.741+/-0.266 χ^2/NDF:666314.8/4

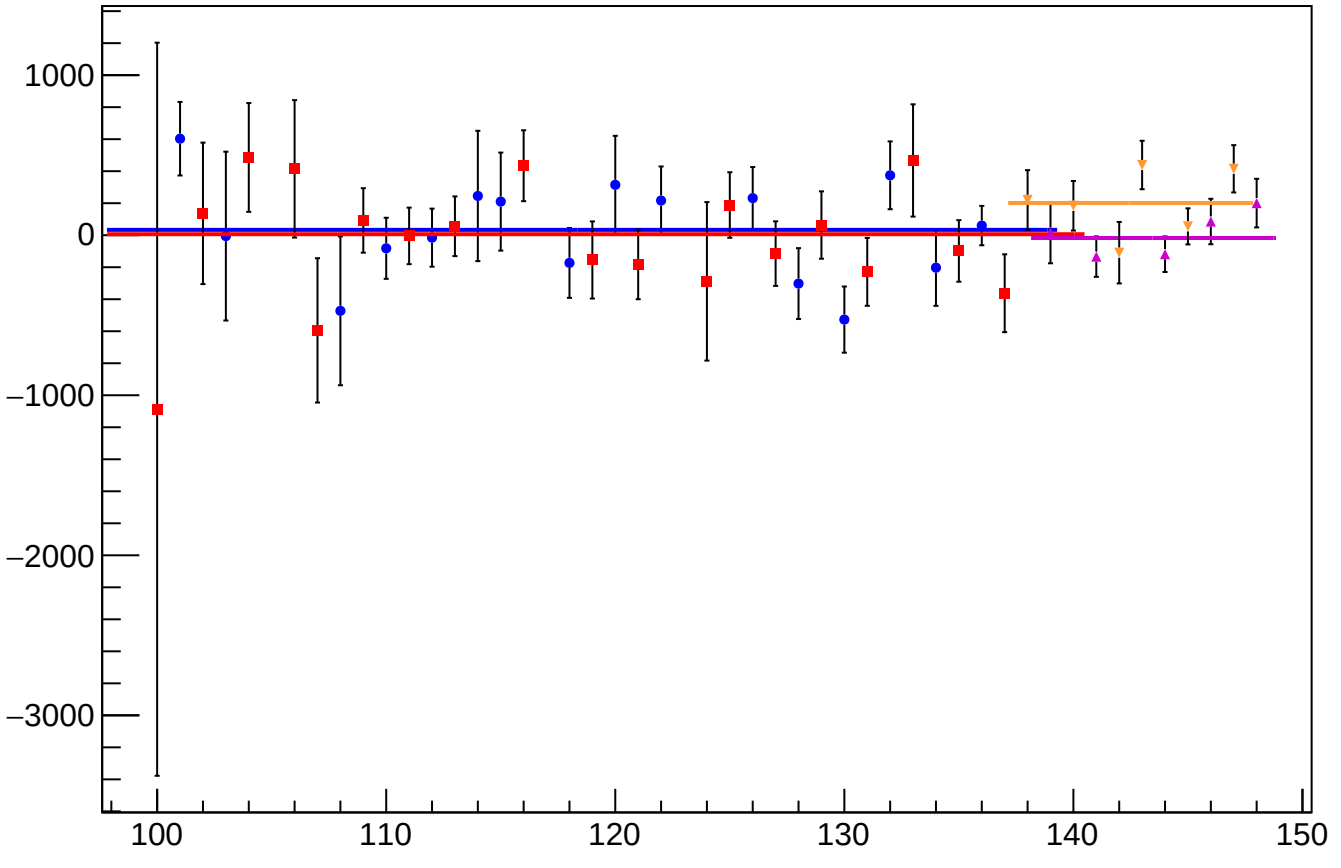
Left: 752.350+/-0.189 χ^2/NDF: 1504282.6/10

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 976.855+/-0.225 χ^2/NDF:3950196.5/20

Out: 997.368+/-0.224 χ^2/NDF:4065934.3/24

All: 987.143+/-0.159 χ^2/NDF: 8020292.9/45



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 201.523+/-61.342 χ^2/NDF:8.9/5

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -17.412+/-61.579 χ^2/NDF:4.3/4

Left: 92.478+/-43.459 χ^2/NDF: 19.5/10

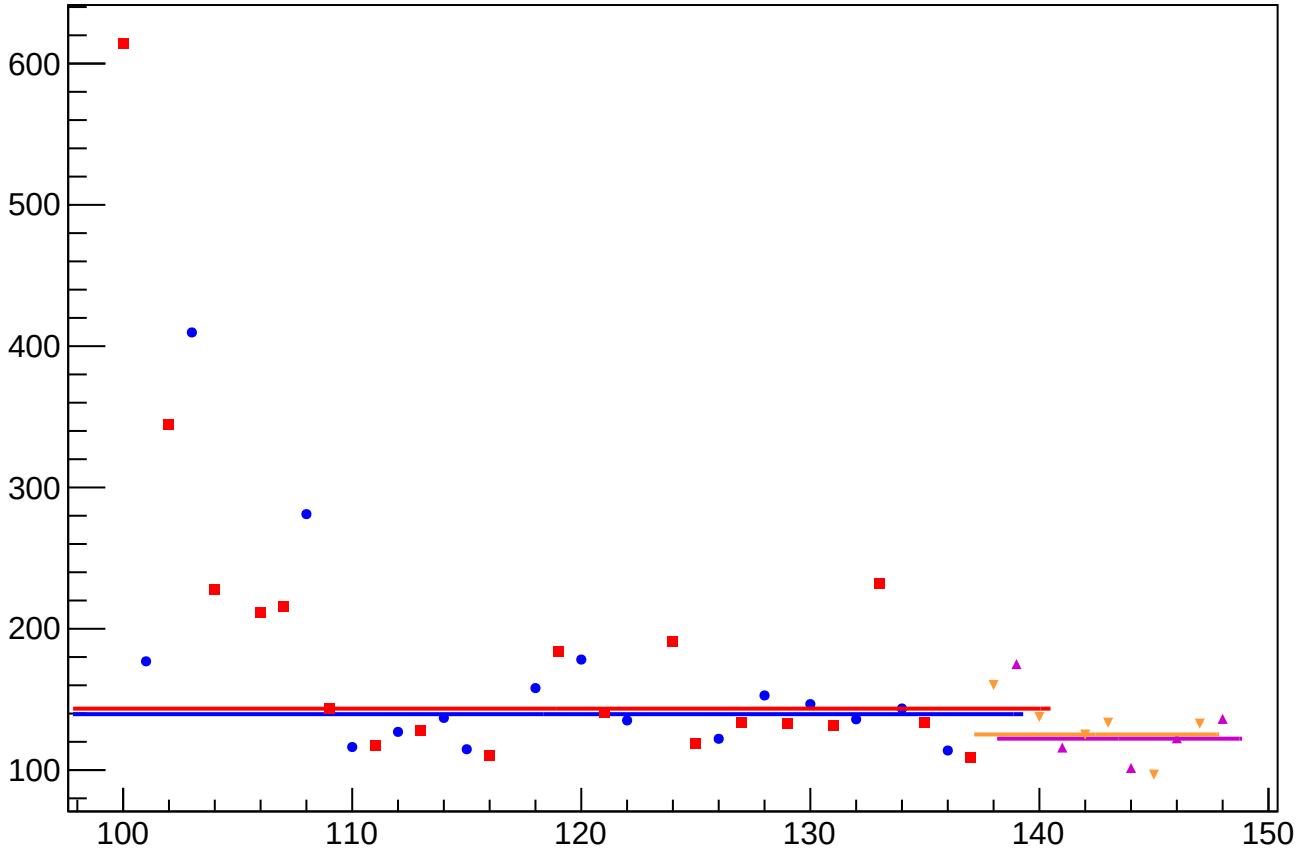
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 10.933+/-40.982 χ^2/NDF:29.8/20

Out: 95.091+/-41.394 χ^2/NDF:31.7/24

All: 52.591+/-29.123 χ^2/NDF: 63.6/45

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 125.205+/-0.043 χ^2/NDF:222485.3/5

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 122.233+/-0.044 χ^2/NDF:243713.4/4

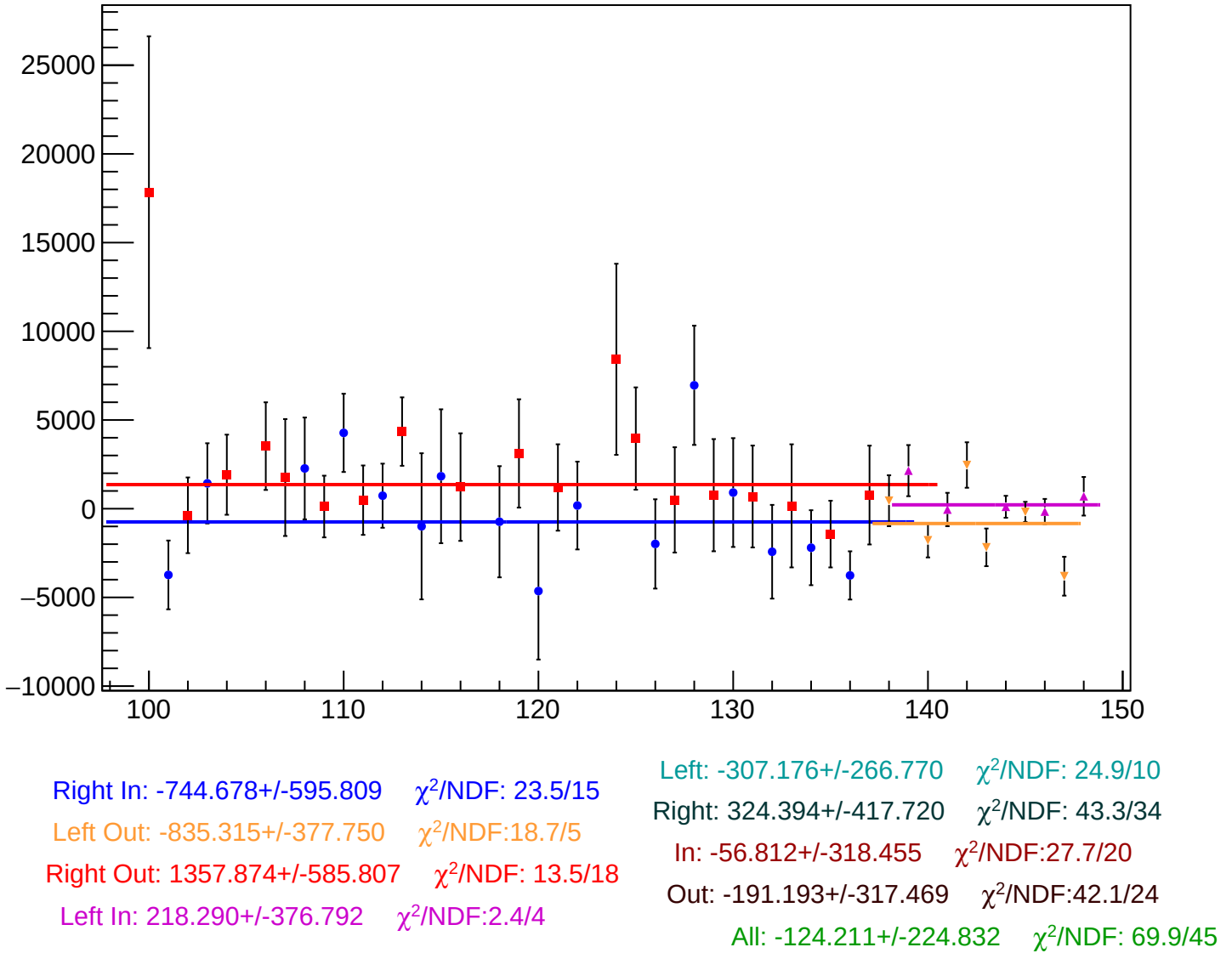
Left: 123.725+/-0.031 χ^2/NDF: 468536.2/10

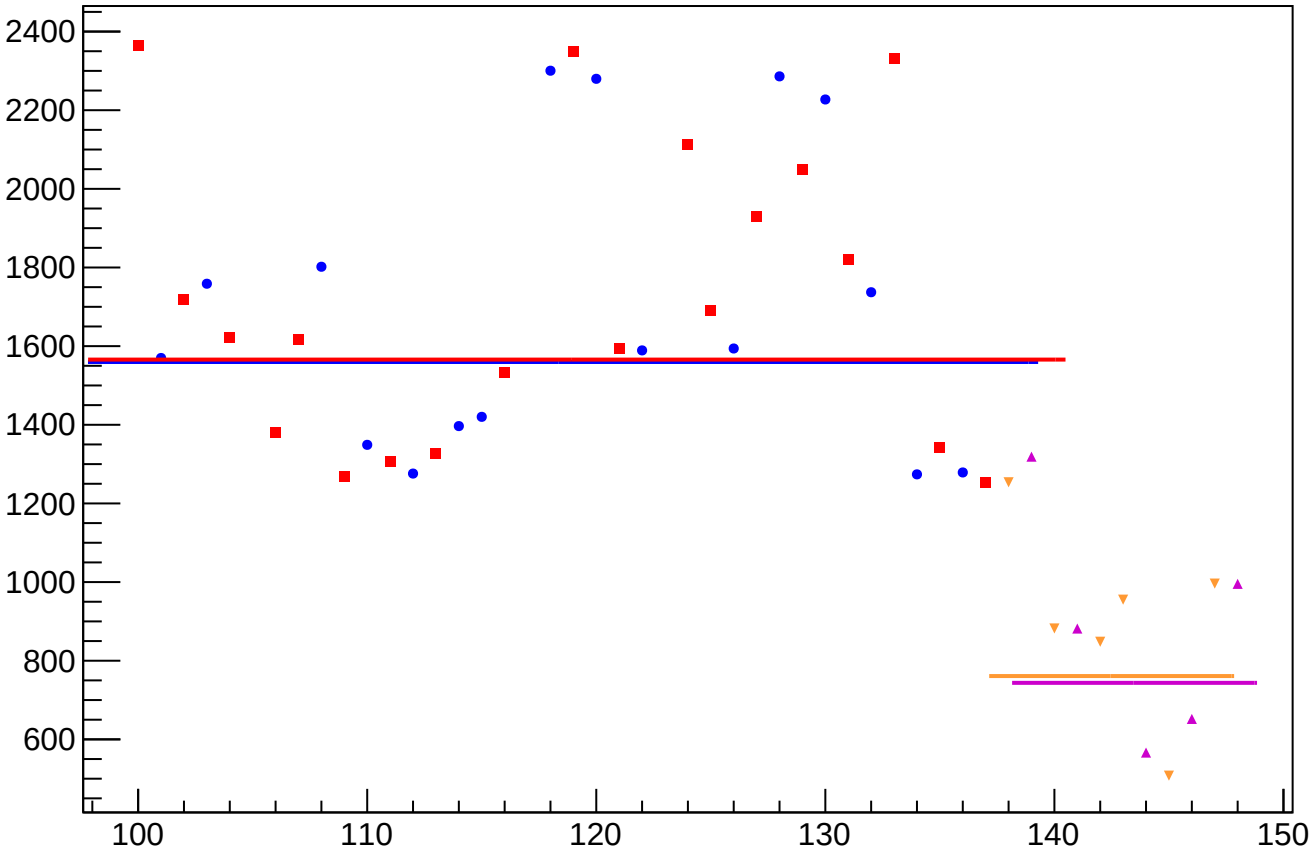
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 131.890+/-0.029 χ^2/NDF:1308728.2/20

Out: 135.158+/-0.029 χ^2/NDF:1435843.4/24

All: 133.507+/-0.021 χ^2/NDF: 2750868.3/45


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -744.678+/-595.809 χ²/NDF: 23.5/15
Left Out: -835.315+/-377.750 χ²/NDF:18.7/5
Right Out: 1357.874+/-585.807 χ²/NDF: 13.5/18
Left In: 218.290+/-376.792 χ²/NDF:2.4/4
Left: -307.176+/-266.770 χ²/NDF: 24.9/10
Right: 324.394+/-417.720 χ²/NDF: 43.3/34
In: -56.812+/-318.455 χ²/NDF:27.7/20
Out: -191.193+/-317.469 χ²/NDF:42.1/24
All: -124.211+/-224.832 χ²/NDF: 69.9/45



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 761.002+/-0.267 χ^2/NDF:835874.8/5

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 743.740+/-0.266 χ^2/NDF:666315.9/4

Left: 752.349+/-0.189 χ^2/NDF: 1504284.3/10

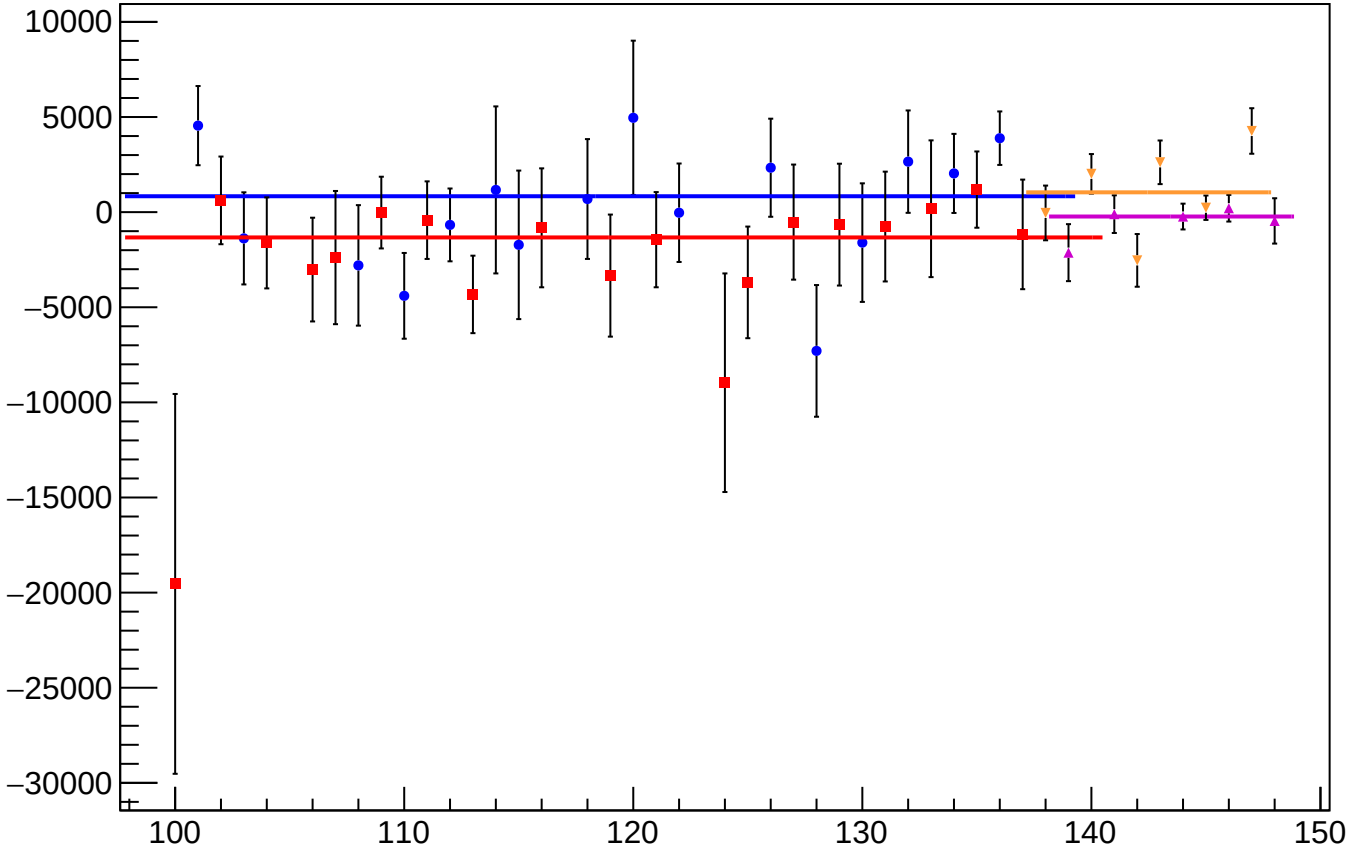
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 976.854+/-0.225 χ^2/NDF:3950197.1/20

Out: 997.367+/-0.224 χ^2/NDF:4065930.1/24

All: 987.142+/-0.159 χ^2/NDF: 8020289.2/45

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1041.148+/-414.685 χ^2/NDF:18.9/5

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -229.943+/-395.743 χ^2/NDF:2.0/4

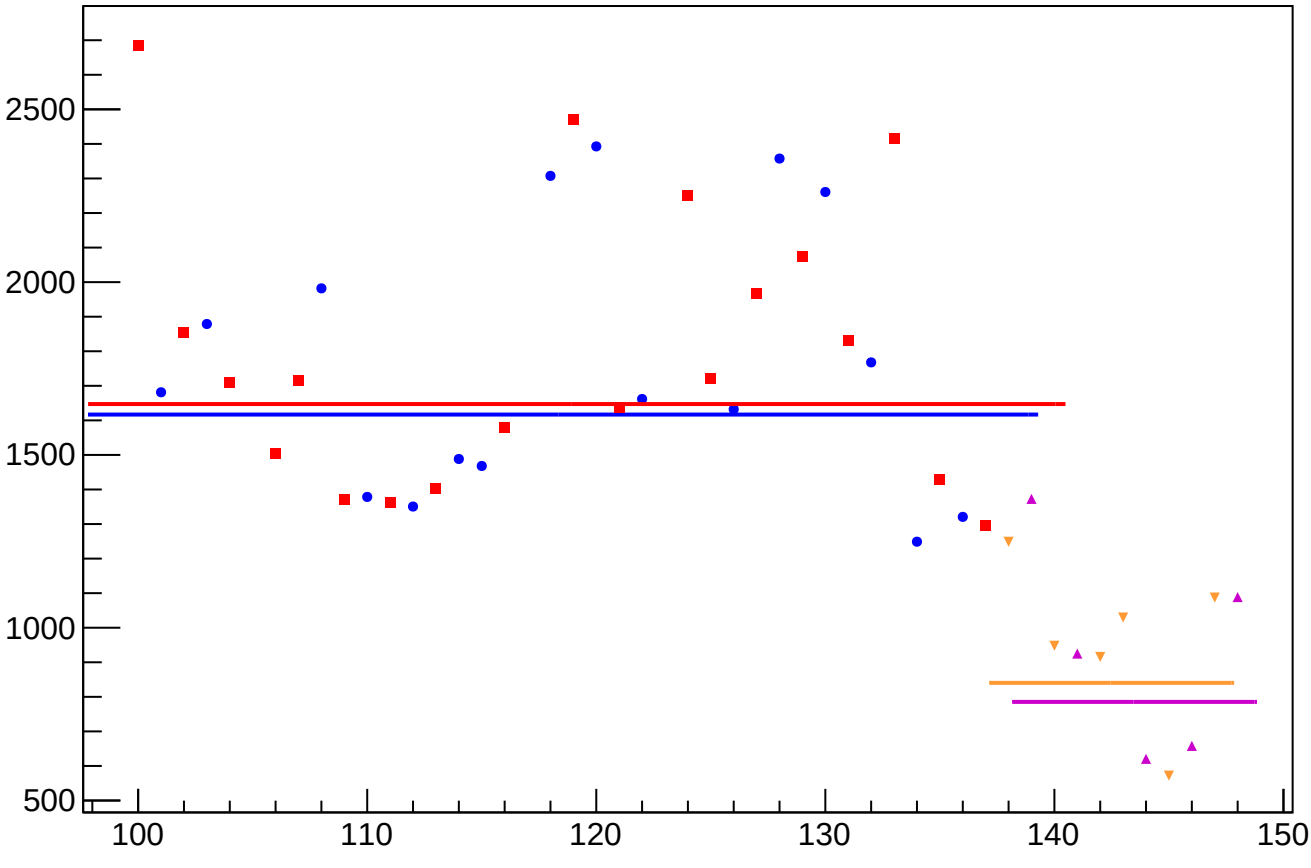
Left: 375.909+/-286.295 χ^2/NDF: 25.8/10

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 79.344+/-333.391 χ^2/NDF:29.0/20

Out: 302.540+/-344.074 χ^2/NDF:41.2/24

All: 187.423+/-239.431 χ^2/NDF: 70.4/45



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 840.465+/-0.293 χ^2/NDF:677635.2/5

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 785.369+/-0.280 χ^2/NDF:661275.0/4

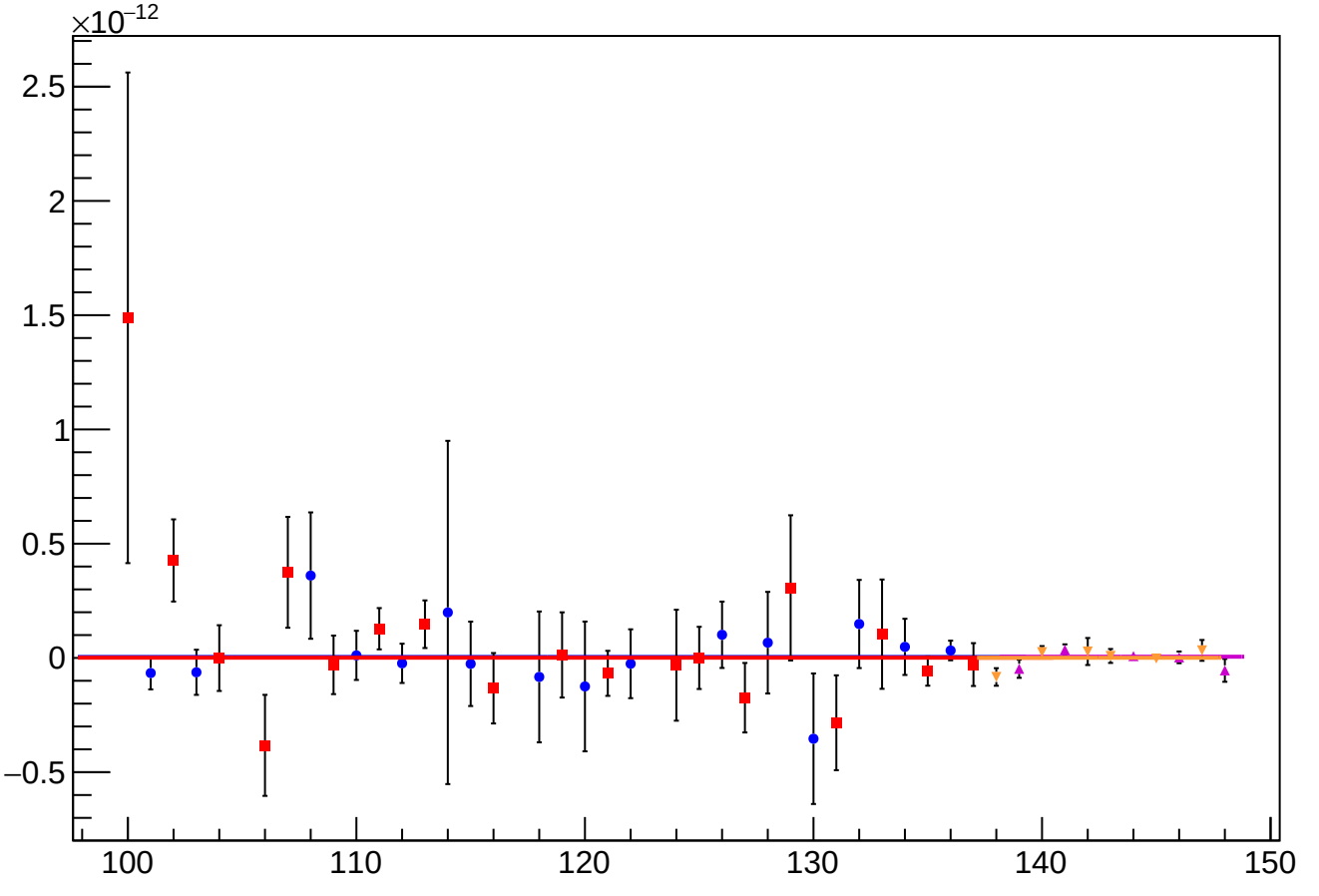
Left: 811.630+/-0.202 χ^2/NDF: 1357387.3/10

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1026.727+/-0.236 χ^2/NDF:3846225.9/20

Out: 1091.819+/-0.243 χ^2/NDF:3559930.9/24

All: 1058.247+/-0.169 χ^2/NDF: 7443073.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/4

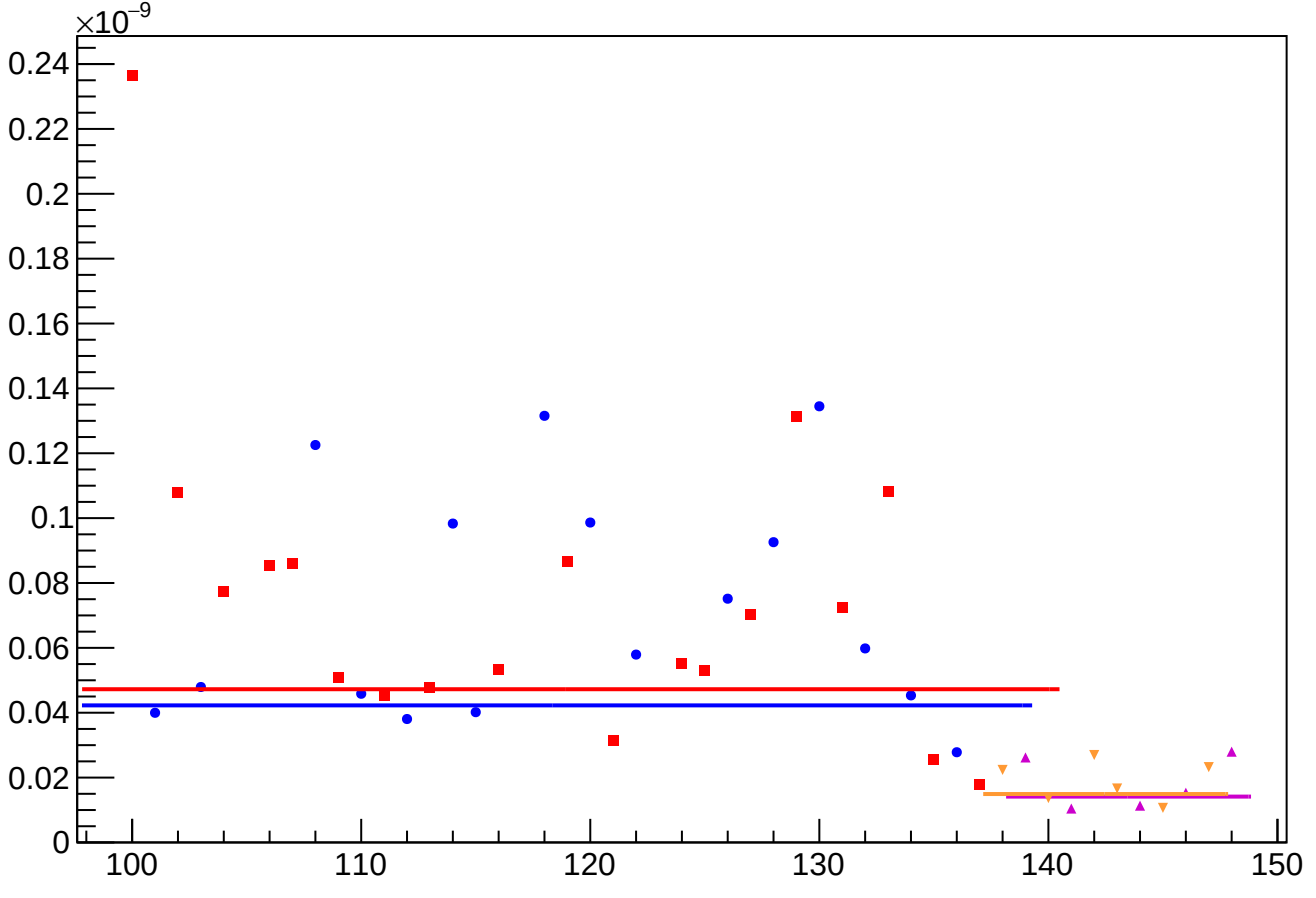
Left: 0.000+/-0.000 χ^2/NDF: 11.4/10

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:11.7/20

Out: 0.000+/-0.000 χ^2/NDF:29.9/24

All: 0.000+/-0.000 χ^2/NDF: 41.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:341405.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:438787.9/4

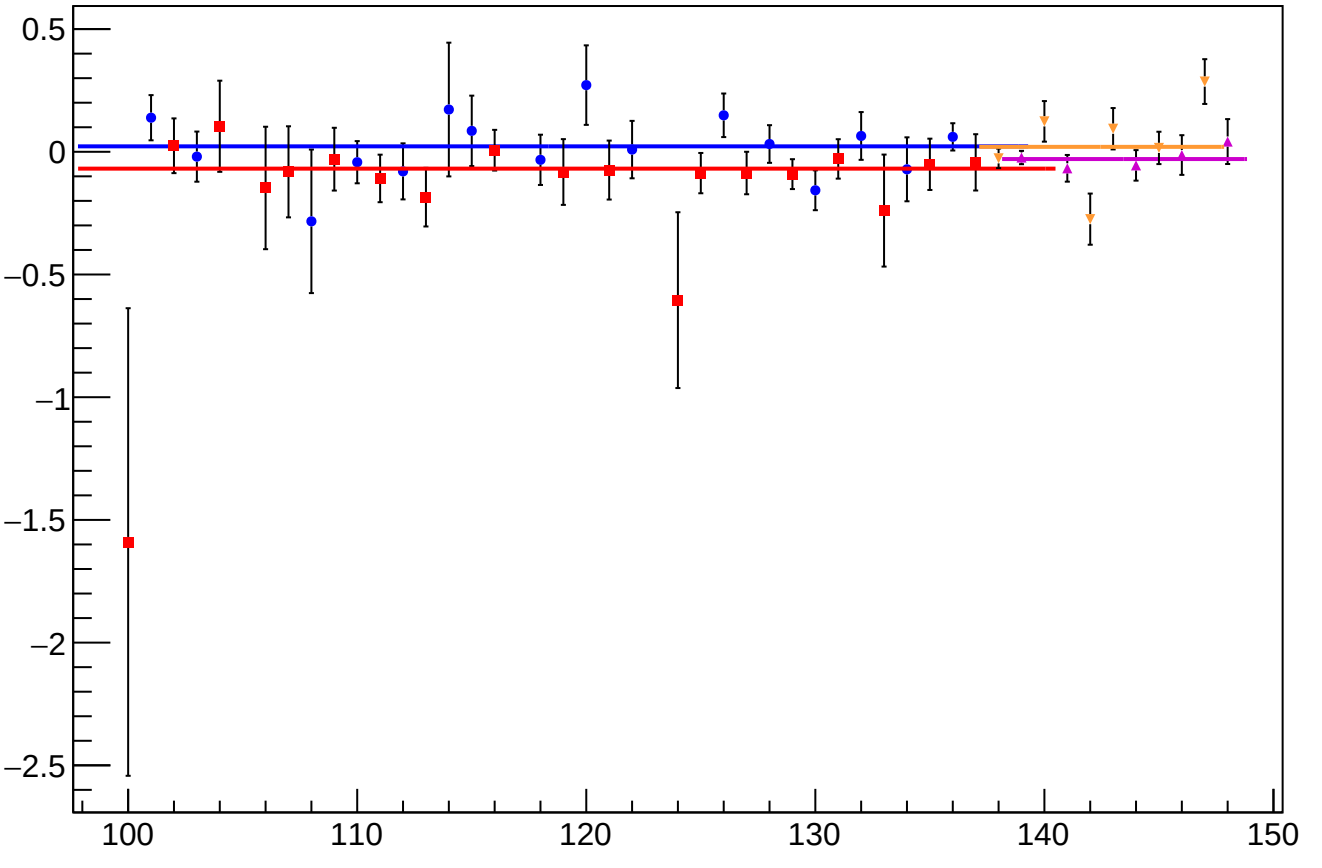
Left: 0.000+/-0.000 χ^2/NDF: 784653.3/10

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3389677.9/20

Out: 0.000+/-0.000 χ^2/NDF:3715849.1/24

All: 0.000+/-0.000 χ^2/NDF: 7111913.3/45



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

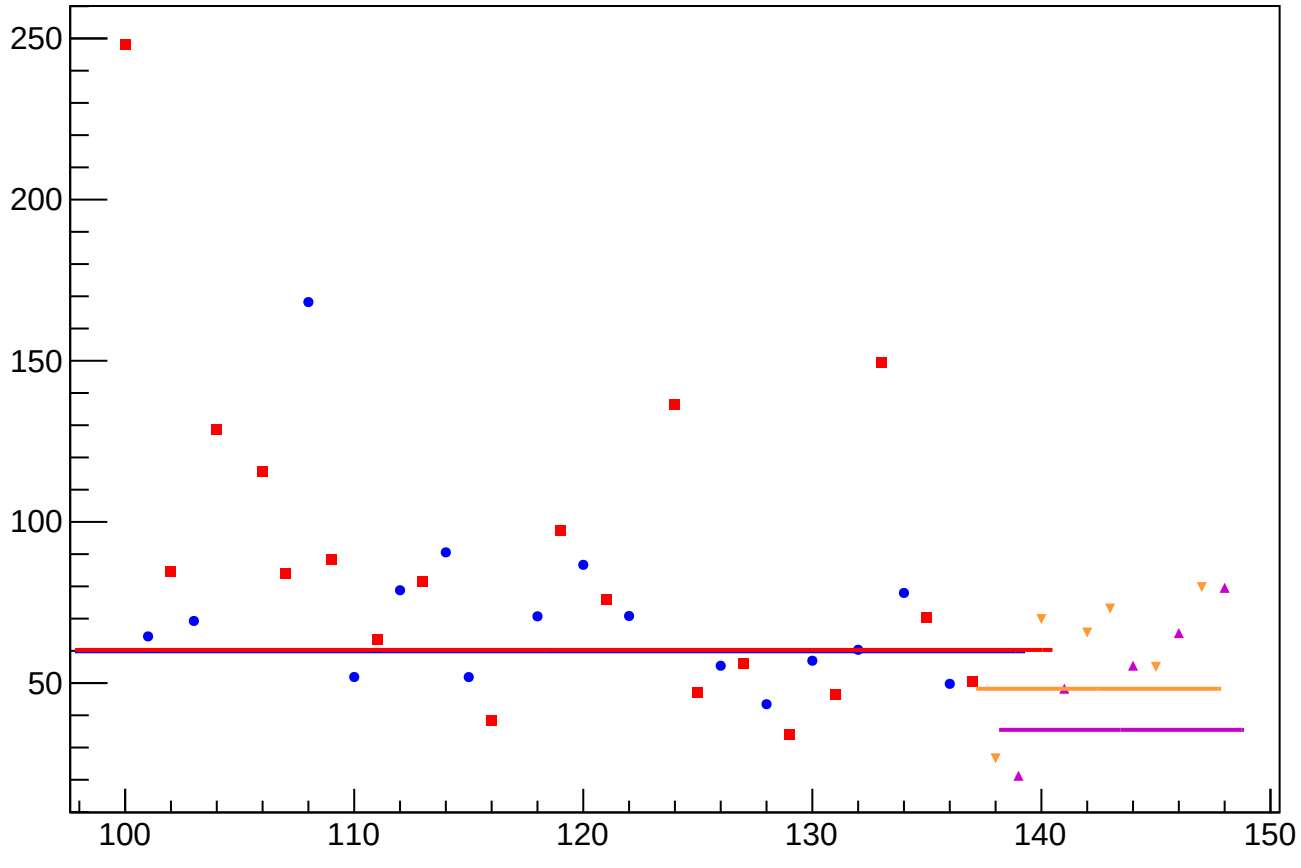
Left: -0.011+/-0.017 χ^2/NDF: 23.7/10

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.016+/-0.012 χ^2/NDF: 55.6/45



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 48.233+/-0.019 χ^2/NDF:1214603.6/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

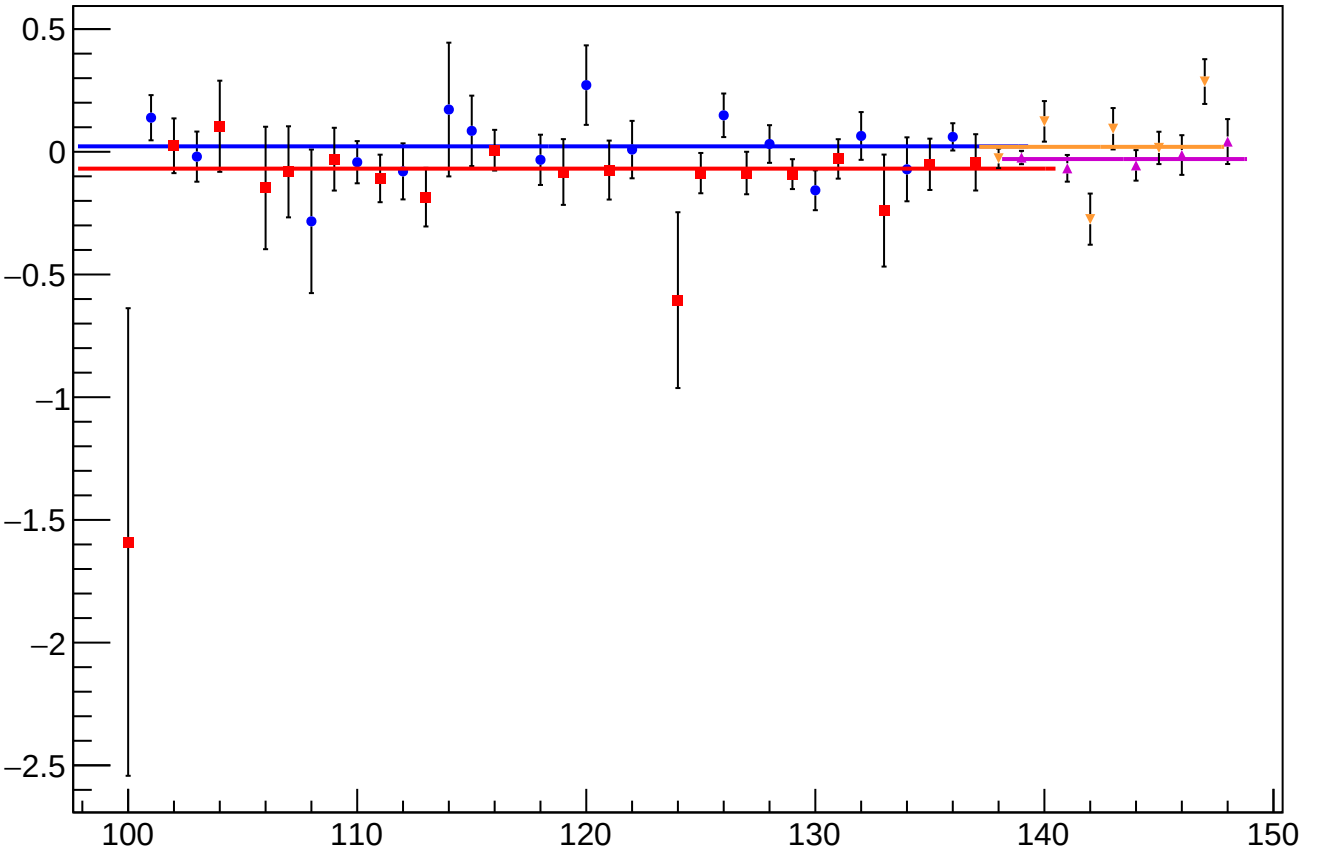
Left: 40.322+/-0.012 χ^2/NDF: 3093701.6/10

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 45.840+/-0.011 χ^2/NDF:3427223.7/20

Out: 54.679+/-0.013 χ^2/NDF:3402919.7/24

All: 49.646+/-0.009 χ^2/NDF: 7090332.5/45



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

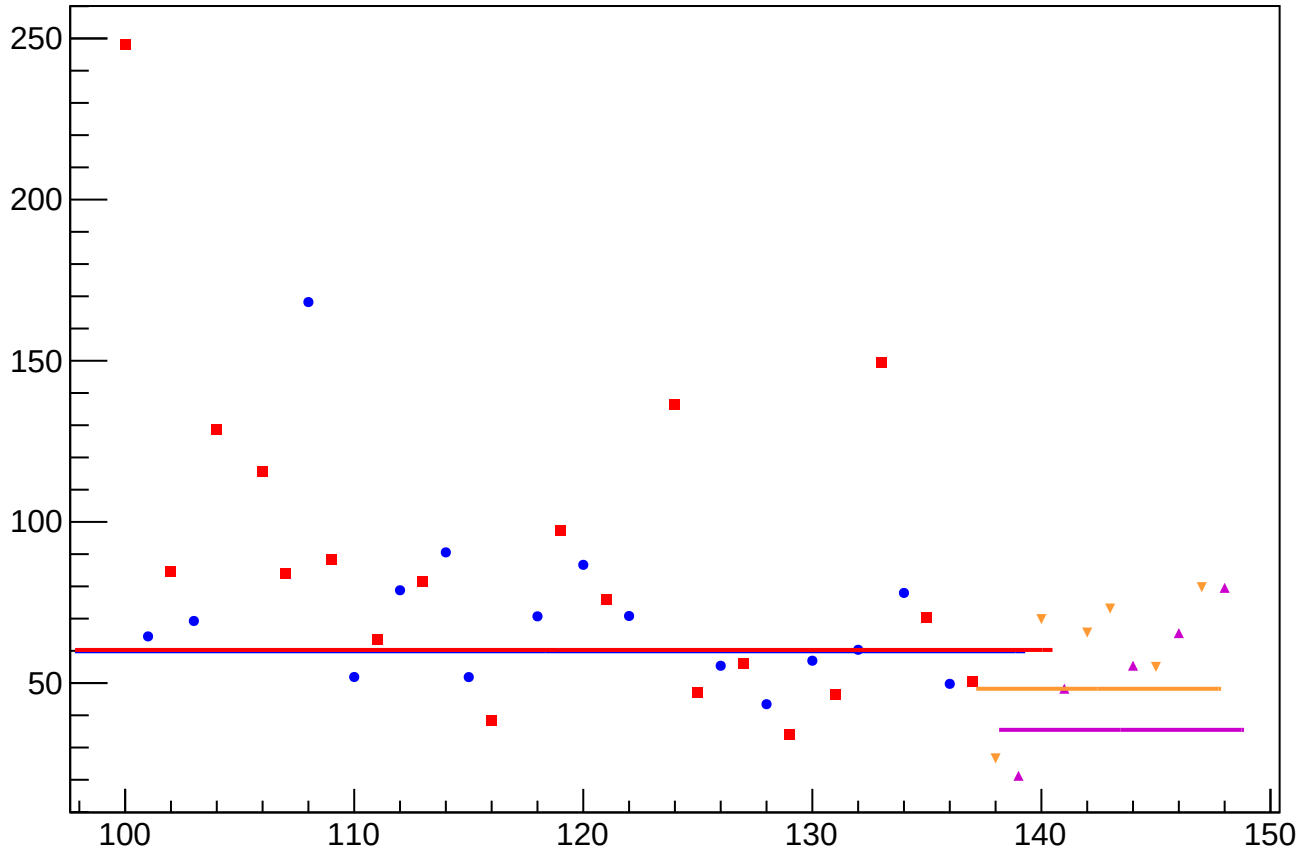
Left: -0.011+/-0.017 χ^2/NDF: 23.7/10

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.016+/-0.012 χ^2/NDF: 55.6/45



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 48.233+/-0.019 χ^2/NDF:1214603.6/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

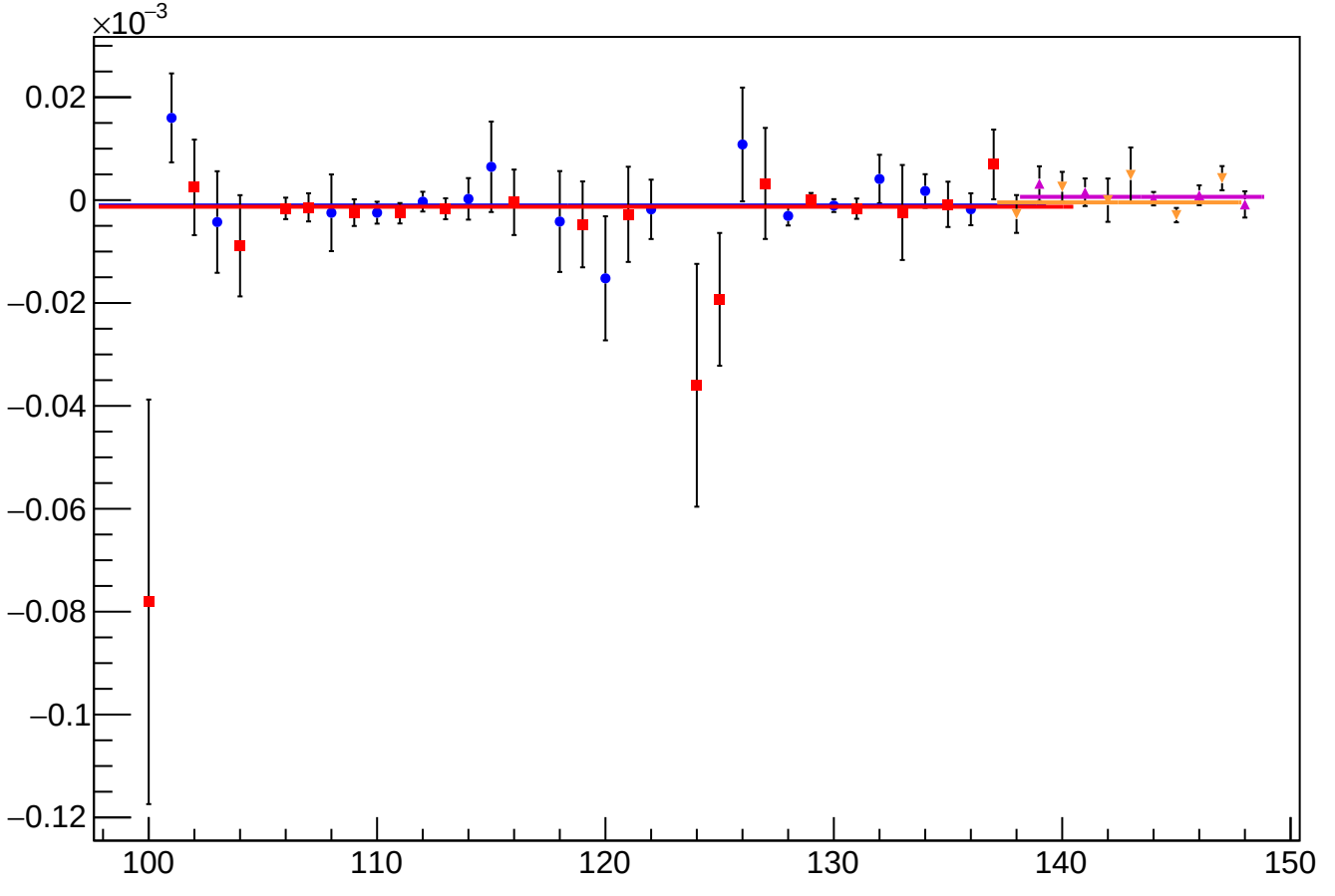
Left: 40.322+/-0.012 χ^2/NDF: 3093701.6/10

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 45.840+/-0.011 χ^2/NDF:3427223.7/20

Out: 54.679+/-0.013 χ^2/NDF:3402919.7/24

All: 49.646+/-0.009 χ^2/NDF: 7090332.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

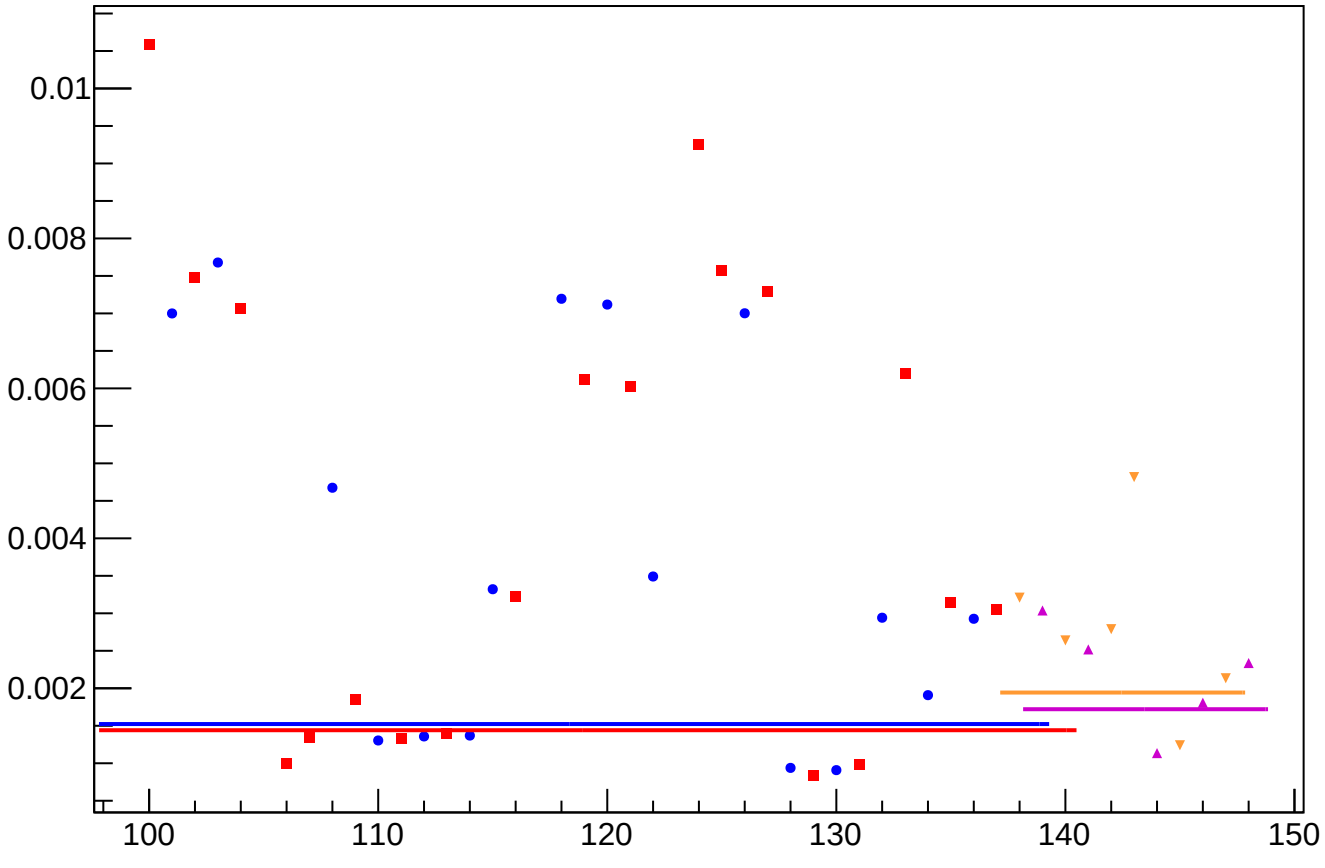
Left: 0.000+/-0.000 χ^2/NDF: 11.4/10

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:14.4/20

Out: -0.000+/-0.000 χ^2/NDF:22.6/24

All: -0.000+/-0.000 χ^2/NDF: 37.7/45



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1531103.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1000159.4/4

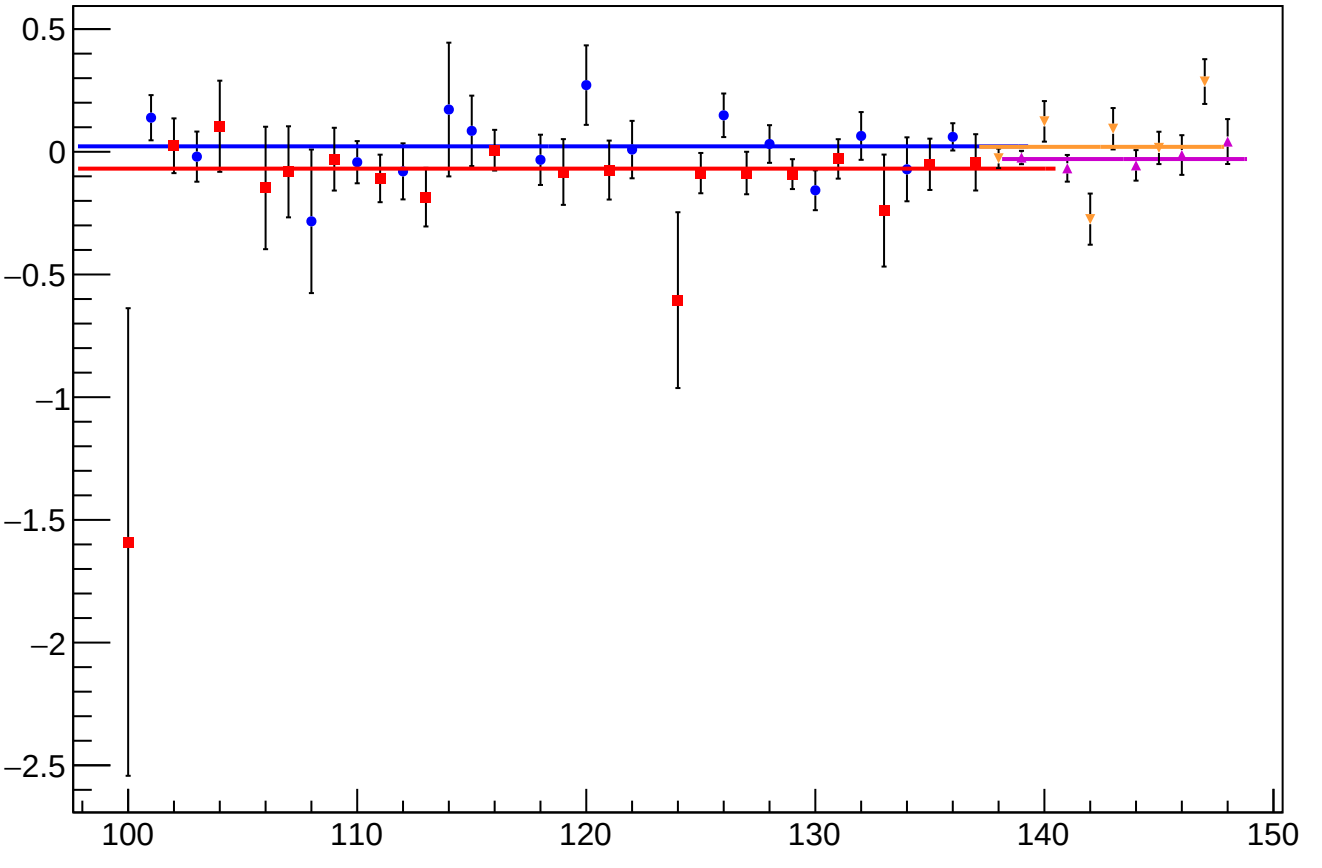
Left: 0.002+/-0.000 χ^2/NDF: 2585273.0/10

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6240741.7/20

Out: 0.002+/-0.000 χ^2/NDF:7655006.8/24

All: 0.002+/-0.000 χ^2/NDF: 13895750.0/45



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

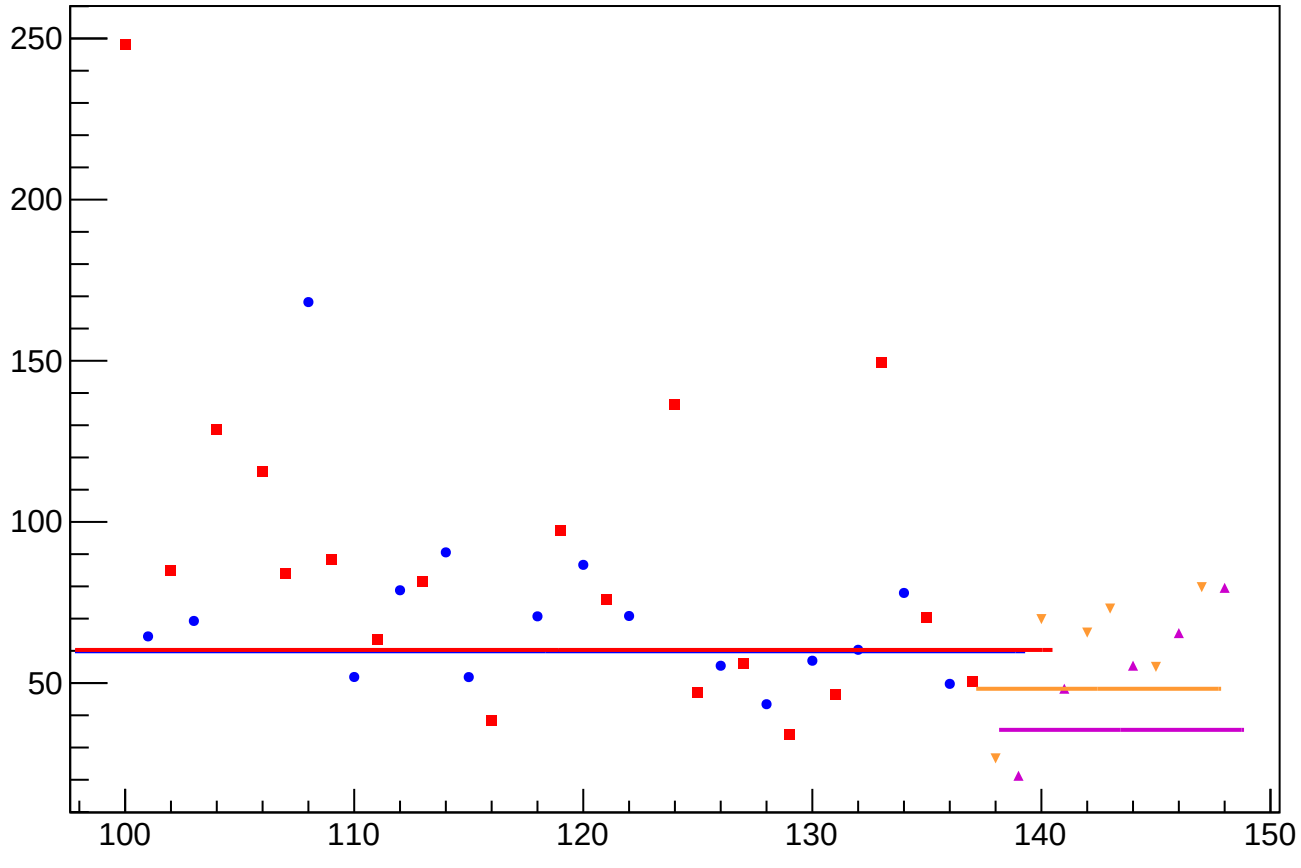
Left: -0.011+/-0.017 χ^2/NDF: 23.7/10

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.016+/-0.012 χ^2/NDF: 55.6/45



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

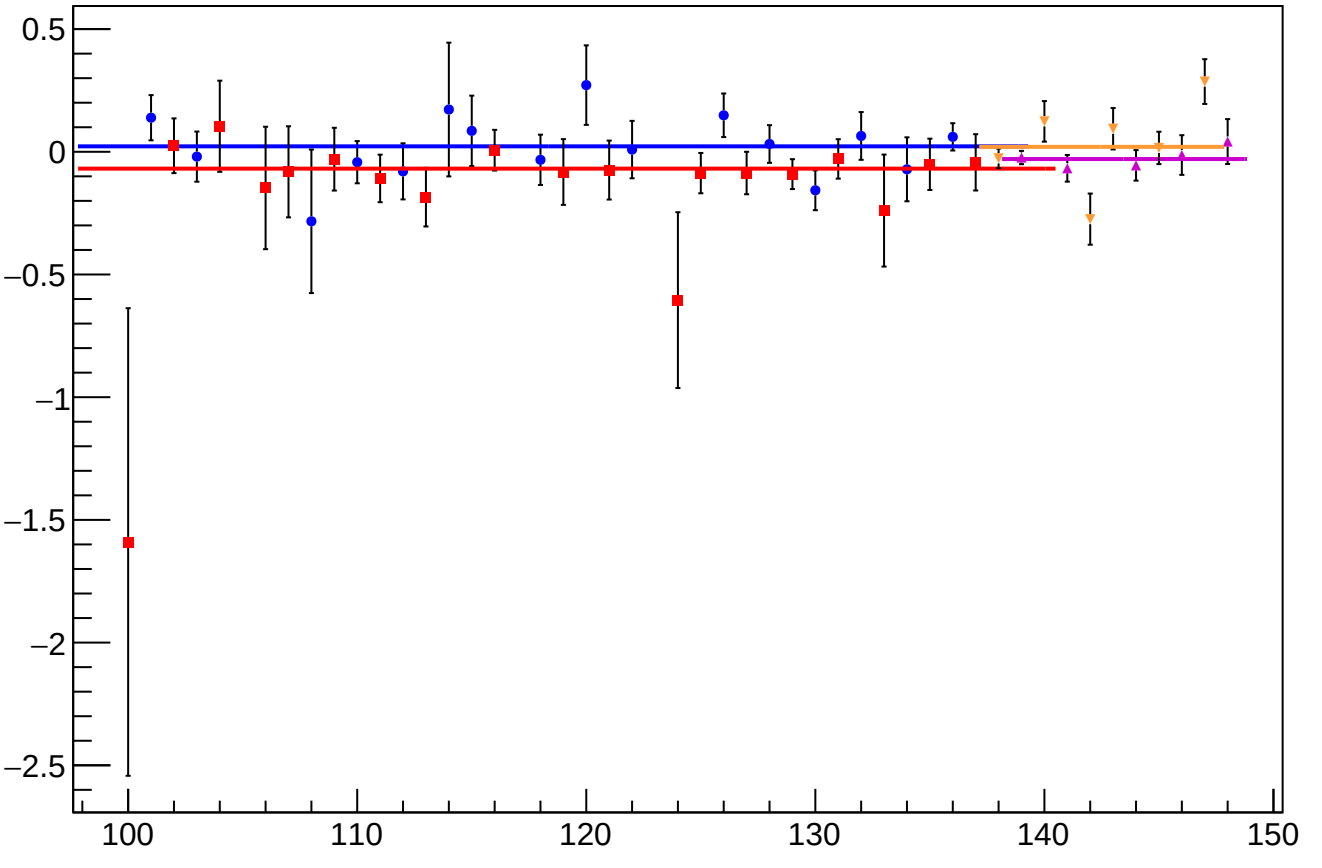
Left: 40.320+/-0.012 χ^2/NDF: 3094112.2/10

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 45.839+/-0.011 χ^2/NDF:3427668.1/20

Out: 54.678+/-0.013 χ^2/NDF:3403303.9/24

All: 49.645+/-0.009 χ^2/NDF: 7091178.9/45



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

Left: -0.011+/-0.017 χ^2/NDF: 23.7/10

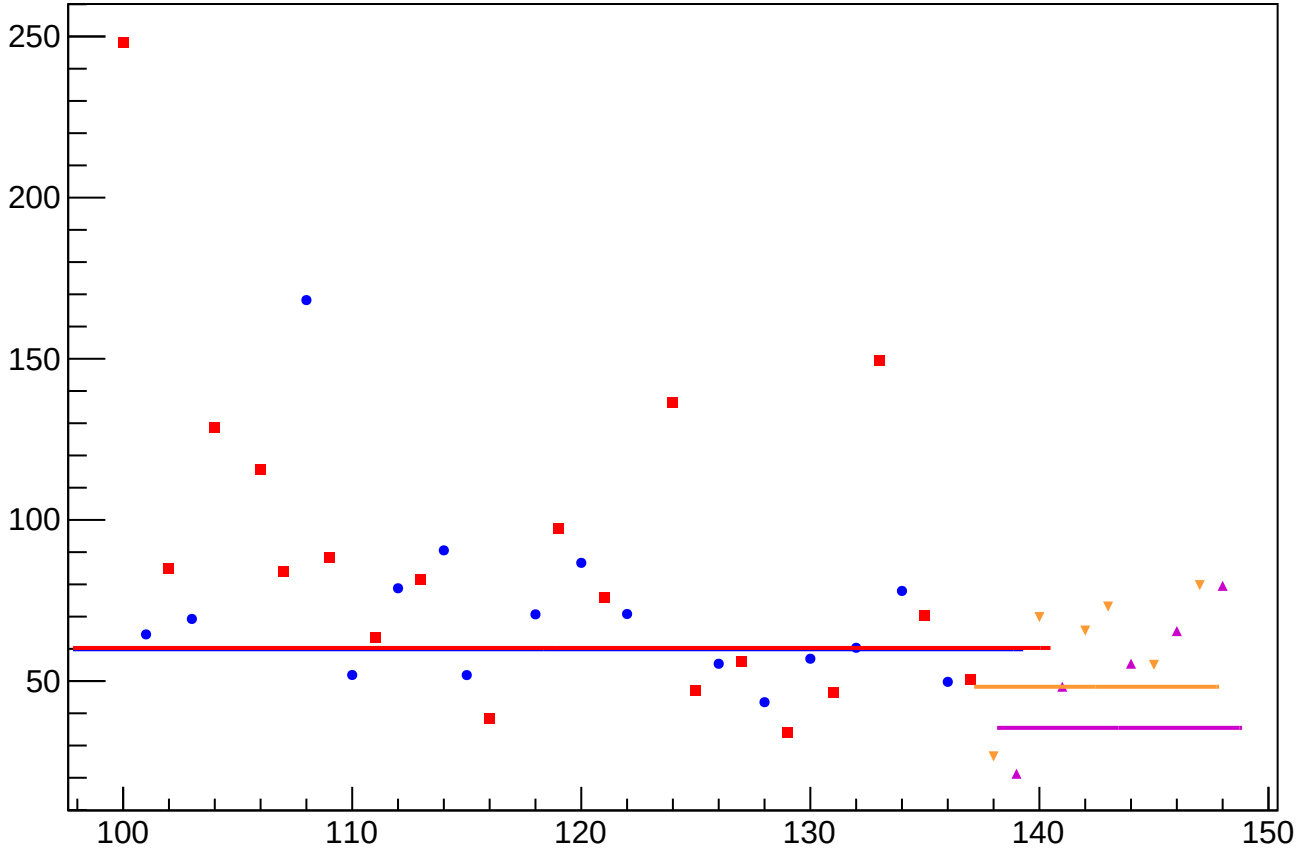
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.016+/-0.012 χ^2/NDF: 55.6/45

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

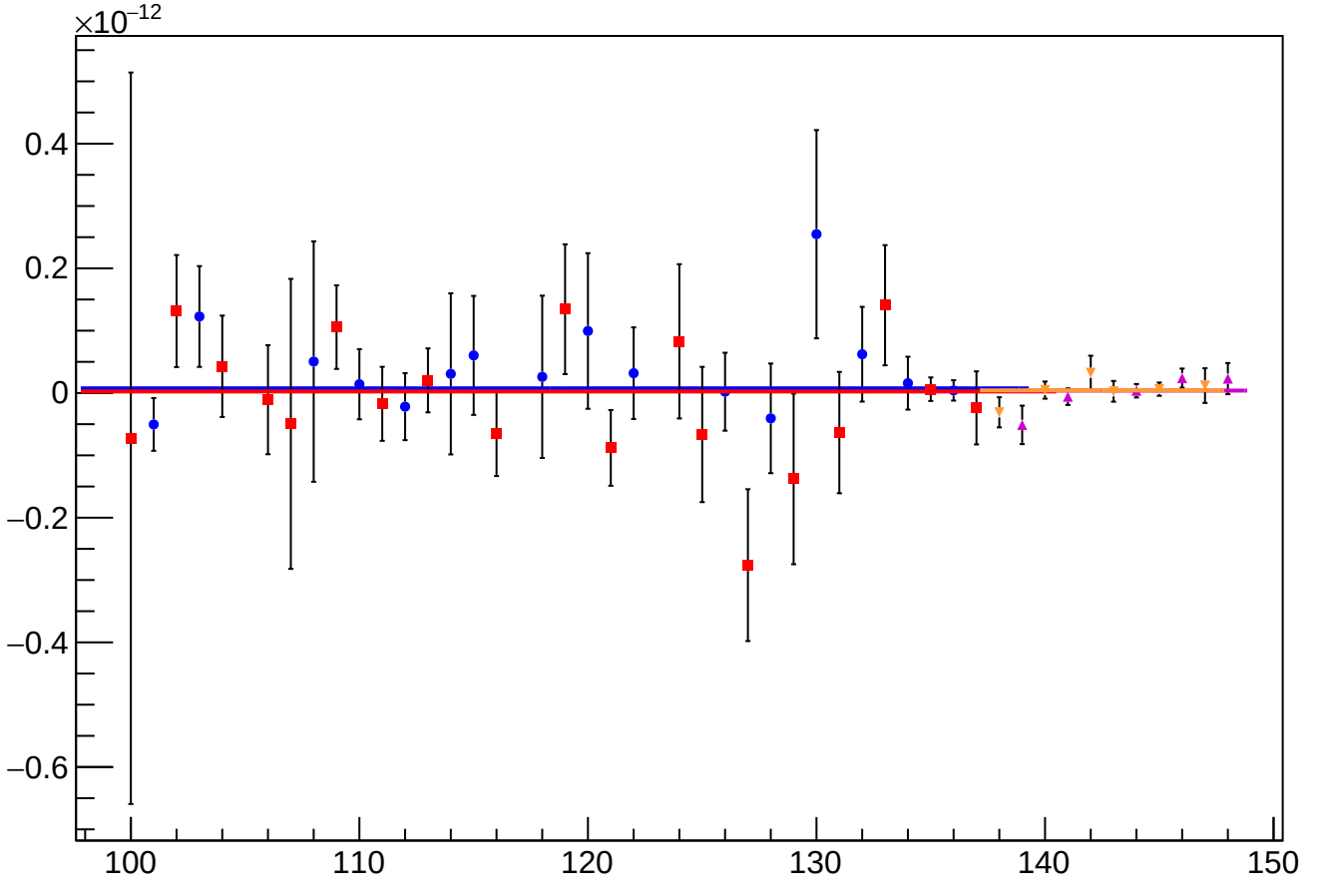
Left: 40.320+/-0.012 χ^2/NDF: 3094112.2/10

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 45.839+/-0.011 χ^2/NDF:3427668.1/20

Out: 54.678+/-0.013 χ^2/NDF:3403303.9/24

All: 49.645+/-0.009 χ^2/NDF: 7091178.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/4

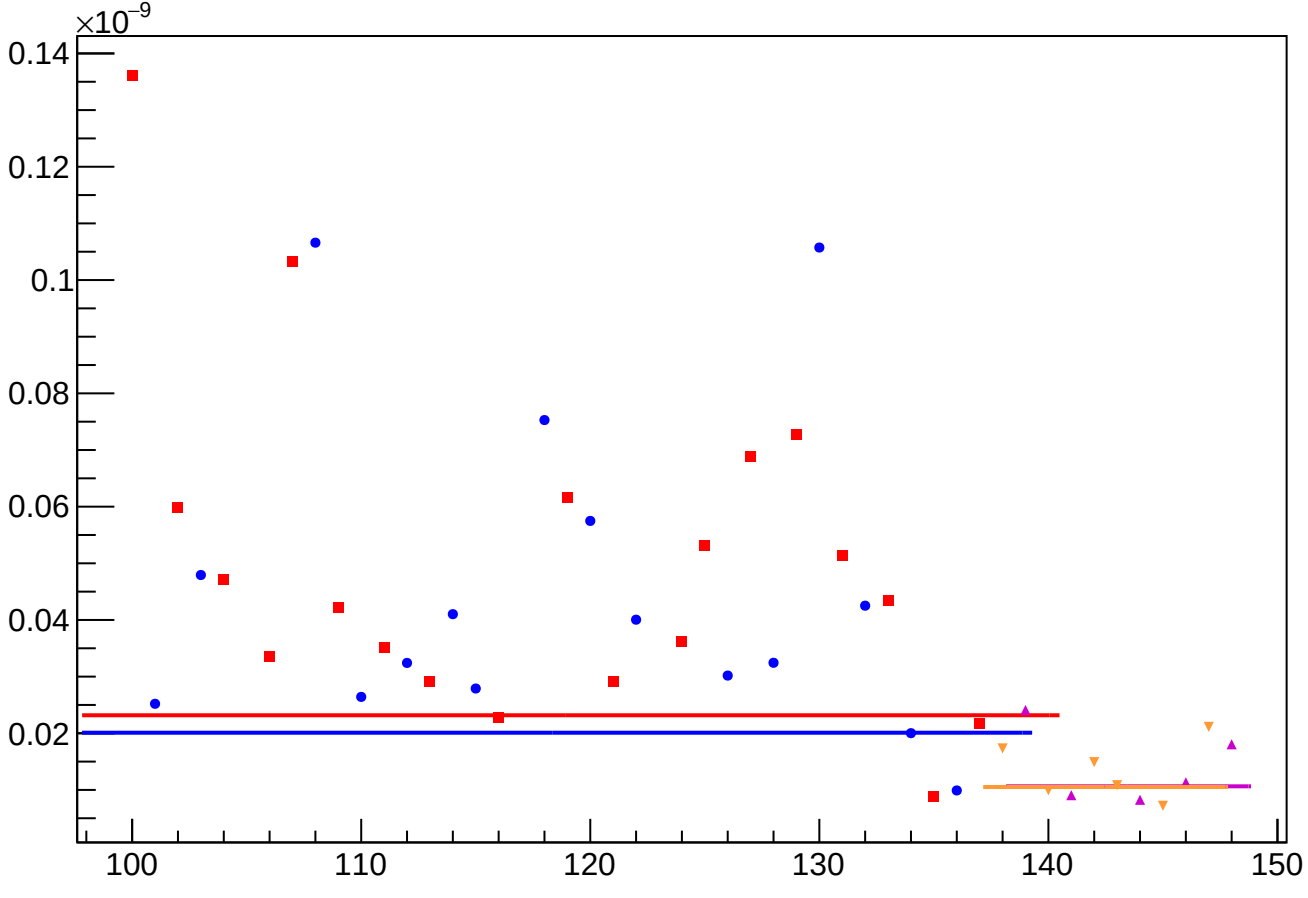
Left: 0.000+/-0.000 χ^2/NDF: 9.3/10

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:14.5/20

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 37.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:699931.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:686229.7/4

Left: 0.000+/-0.000 χ^2/NDF: 1386478.5/10

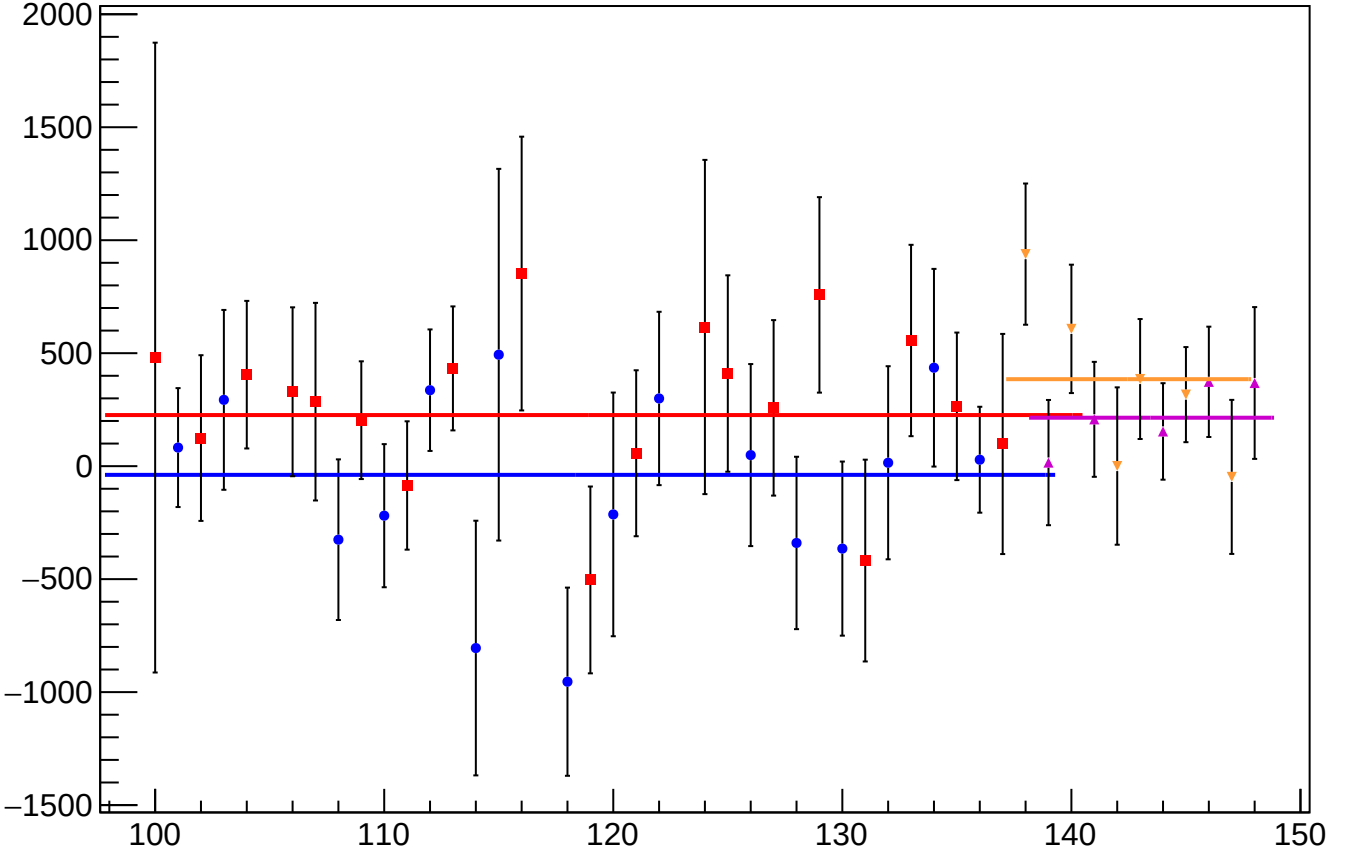
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4726221.6/20

Out: 0.000+/-0.000 χ^2/NDF:5636894.3/24

All: 0.000+/-0.000 χ^2/NDF: 10363311.5/45

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 384.962+/-114.525 χ^2/NDF:6.7/5

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 214.375+/-114.669 χ^2/NDF:1.2/4

Left: 299.776+/-81.032 χ^2/NDF: 9.0/10

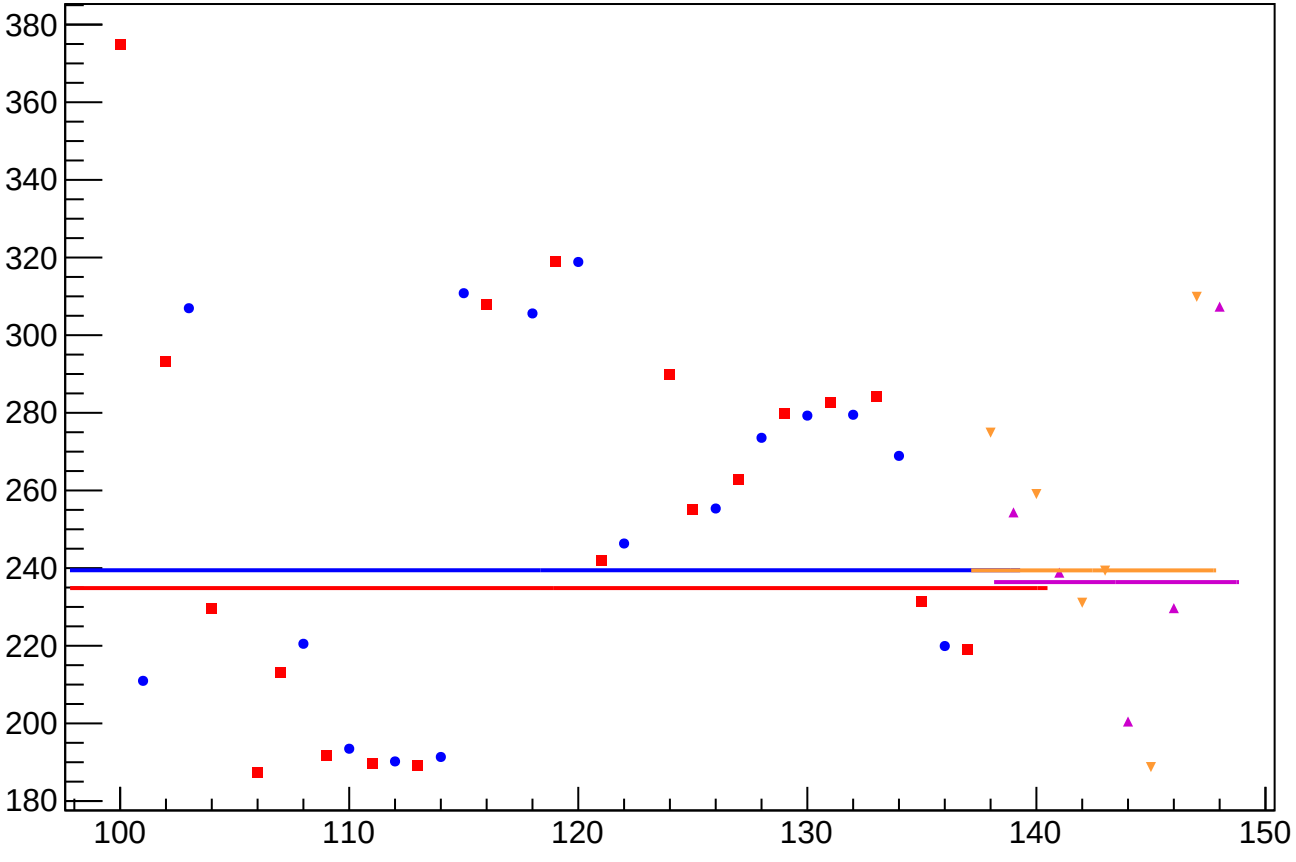
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 58.715+/-71.098 χ^2/NDF:18.7/20

Out: 285.041+/-69.733 χ^2/NDF:19.3/24

All: 174.070+/-49.784 χ^2/NDF: 43.2/45

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

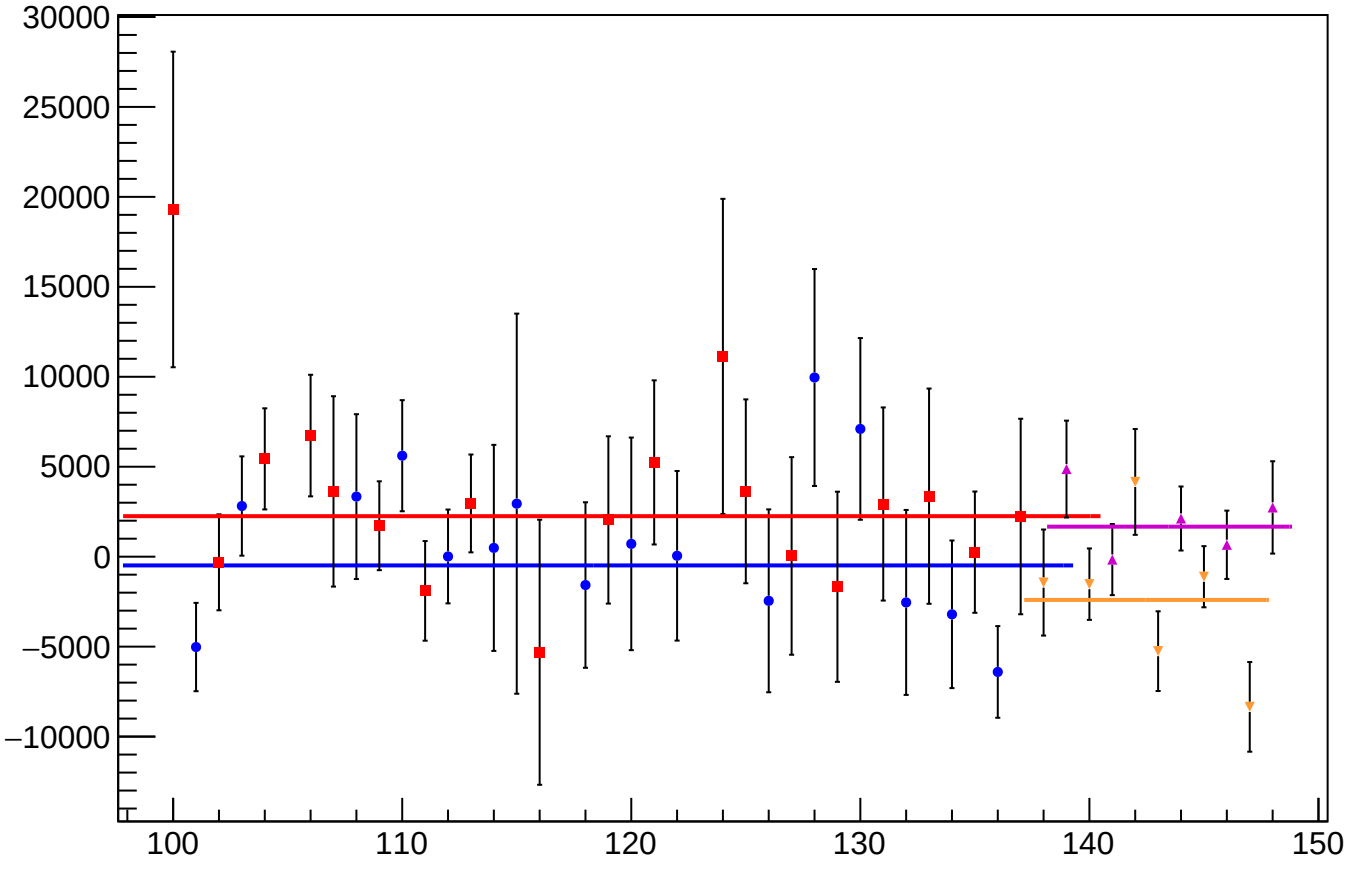
Left: 237.908+/-0.057 χ^2/NDF: 394446.3/10

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 238.276+/-0.050 χ^2/NDF:557730.8/20

Out: 236.545+/-0.049 χ^2/NDF:721560.1/24

All: 237.394+/-0.035 χ^2/NDF: 1279895.5/45



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2403.105+/-914.638 χ^2/NDF:13.2/5

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1668.744+/-937.074 χ^2/NDF:2.8/4

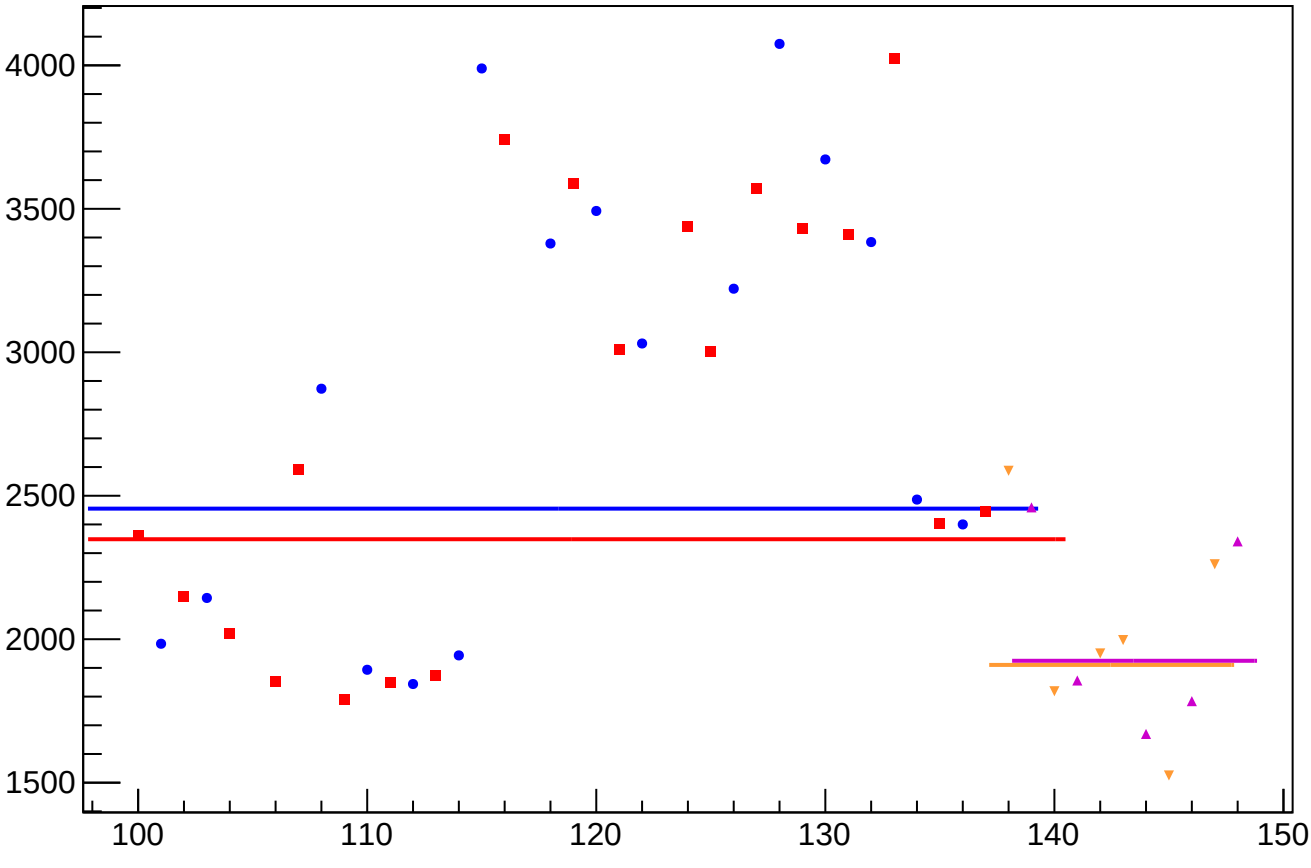
Left: -416.509+/-654.535 χ^2/NDF: 25.7/10

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 603.279+/-666.253 χ^2/NDF:26.5/20

Out: -22.937+/-639.388 χ^2/NDF:40.3/24

All: 277.291+/-461.321 χ^2/NDF: 67.3/45



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1910.411+/-0.647 χ^2/NDF:255444.9/5

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1924.810+/-0.663 χ^2/NDF:186000.0/4

Left: 1917.436+/-0.463 χ^2/NDF: 441686.8/10

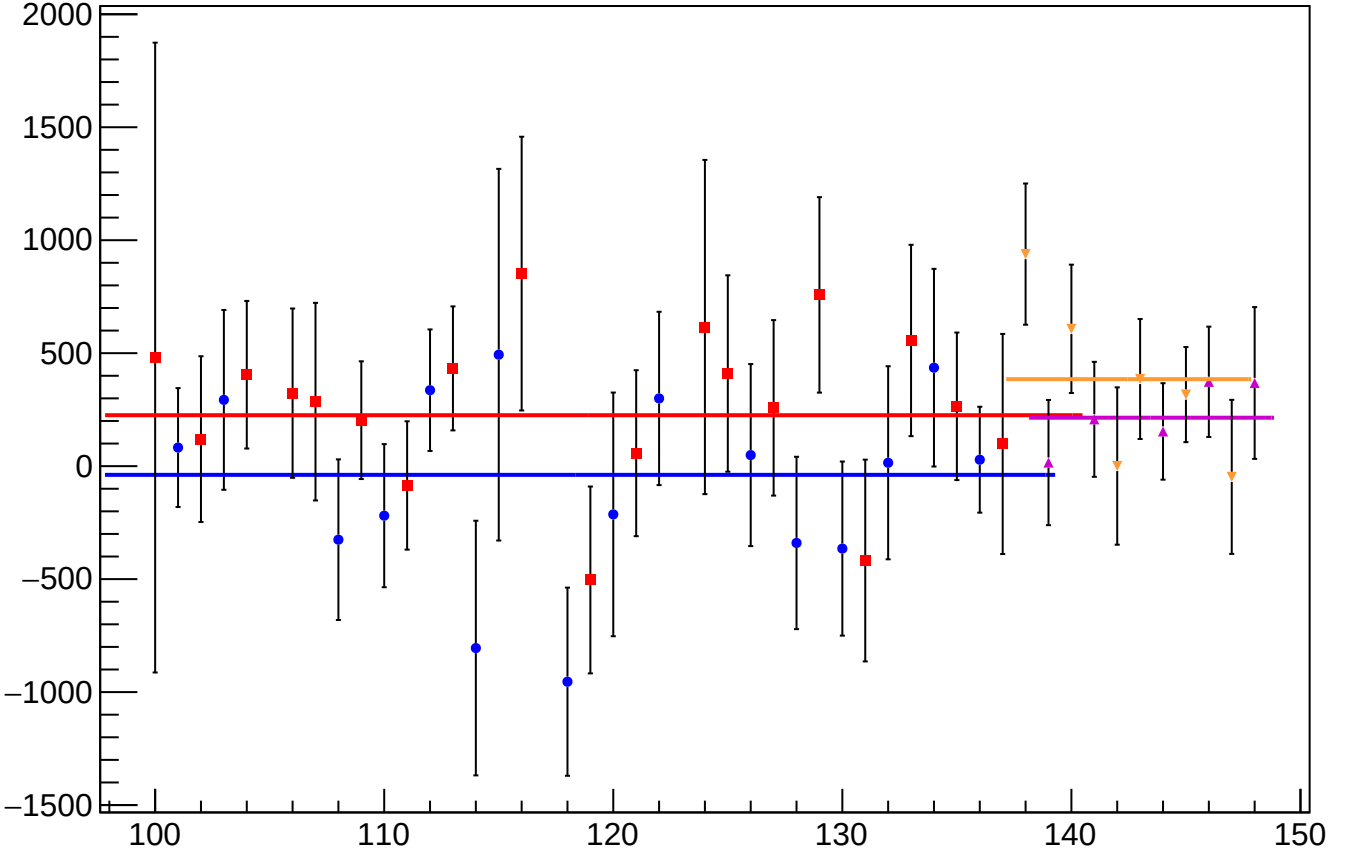
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2187.034+/-0.471 χ^2/NDF:1397106.4/20

Out: 2134.384+/-0.452 χ^2/NDF:1542417.2/24

All: 2159.627+/-0.326 χ^2/NDF: 2946025.2/45

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 385.002+/-114.525 χ^2/NDF:6.7/5

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 214.397+/-114.669 χ^2/NDF:1.2/4

Left: 299.807+/-81.032 χ^2/NDF: 9.0/10

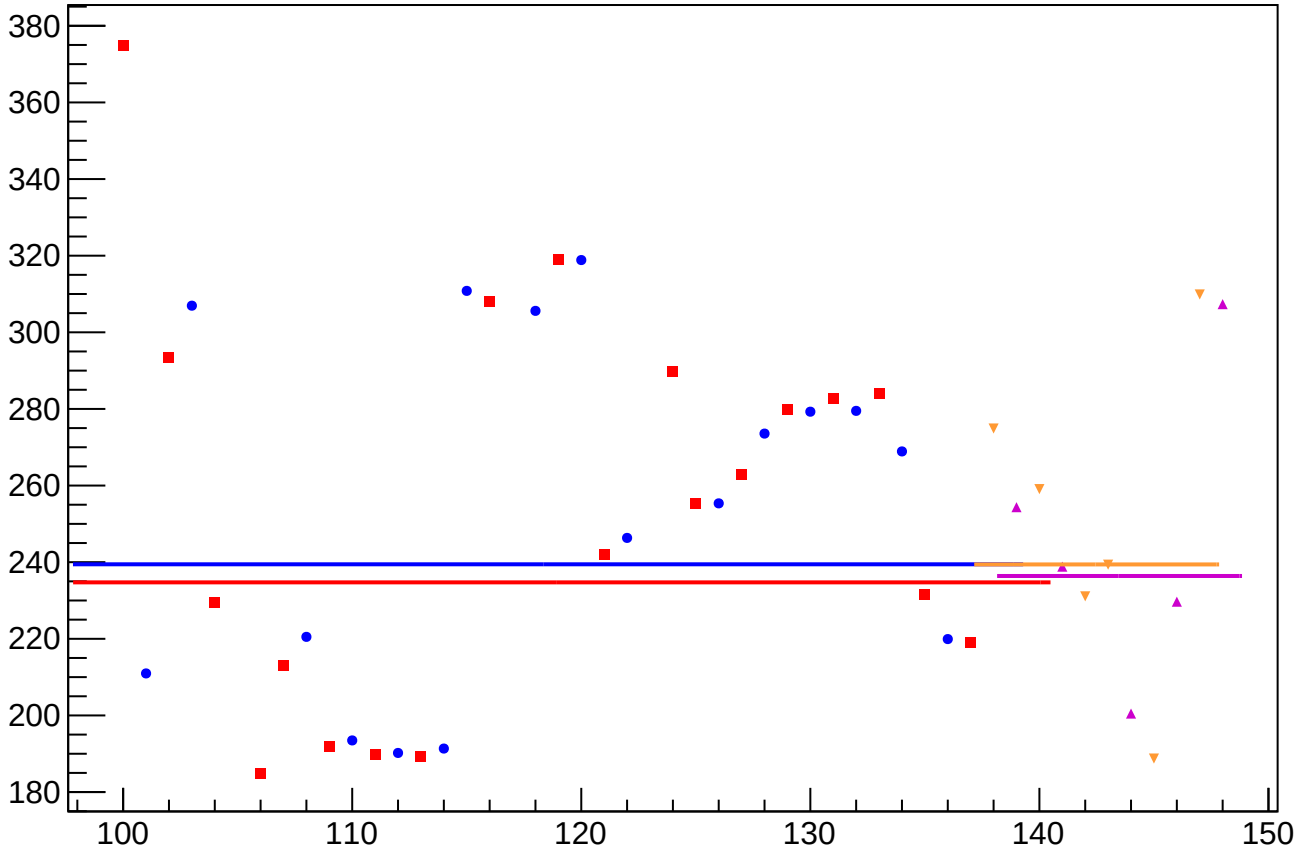
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 58.710+/-71.098 χ^2/NDF:18.7/20

Out: 284.656+/-69.740 χ^2/NDF:19.3/24

All: 173.861+/-49.787 χ^2/NDF: 43.2/45

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

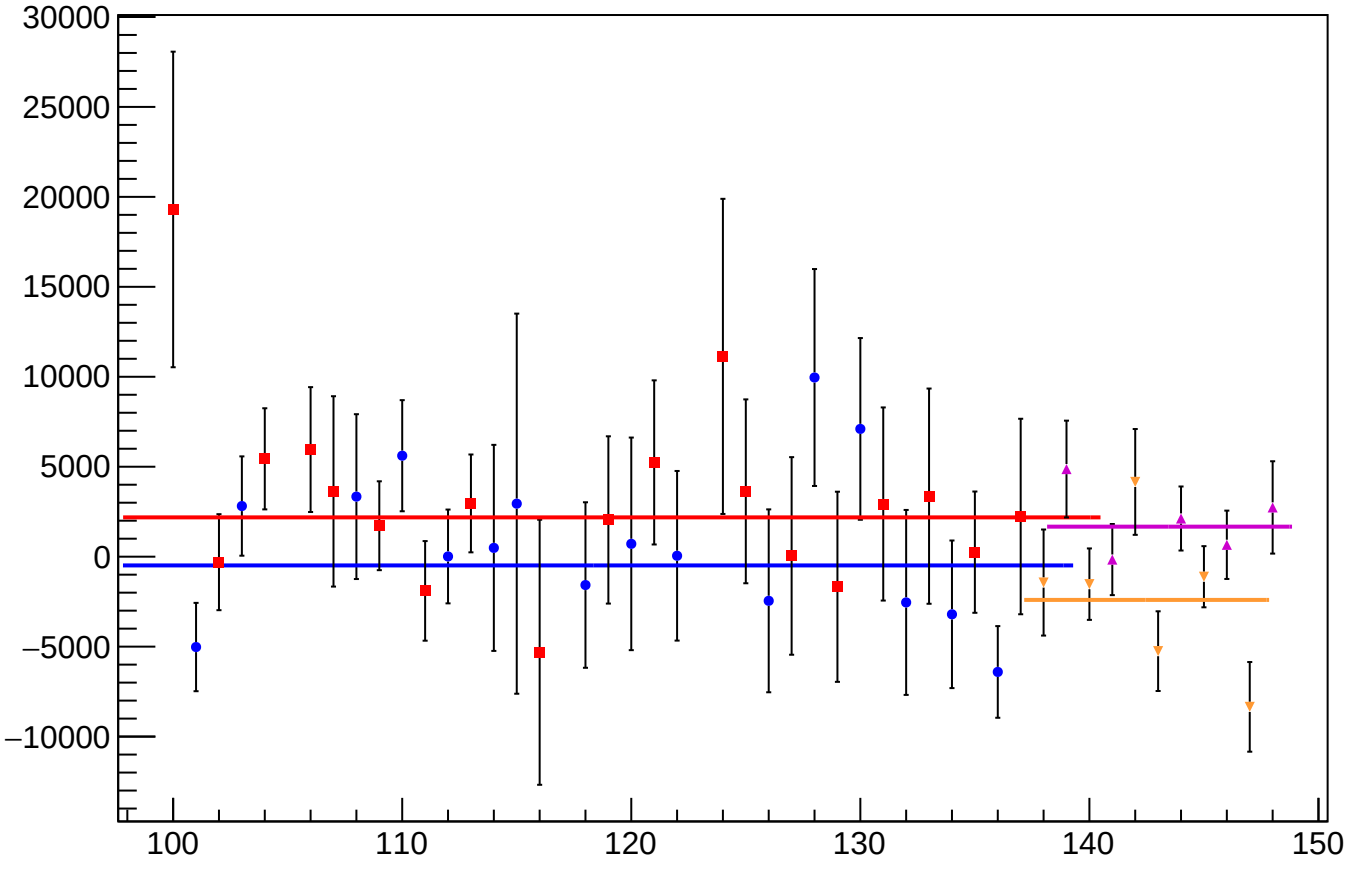
Left: 237.908+/-0.057 χ^2/NDF: 394446.3/10

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 238.276+/-0.050 χ^2/NDF:557733.2/20

Out: 236.469+/-0.049 χ^2/NDF:725190.9/24

All: 237.355+/-0.035 χ^2/NDF: 1283583.0/45



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2403.058+/-914.638 χ^2/NDF:13.2/5

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1668.768+/-937.075 χ^2/NDF:2.8/4

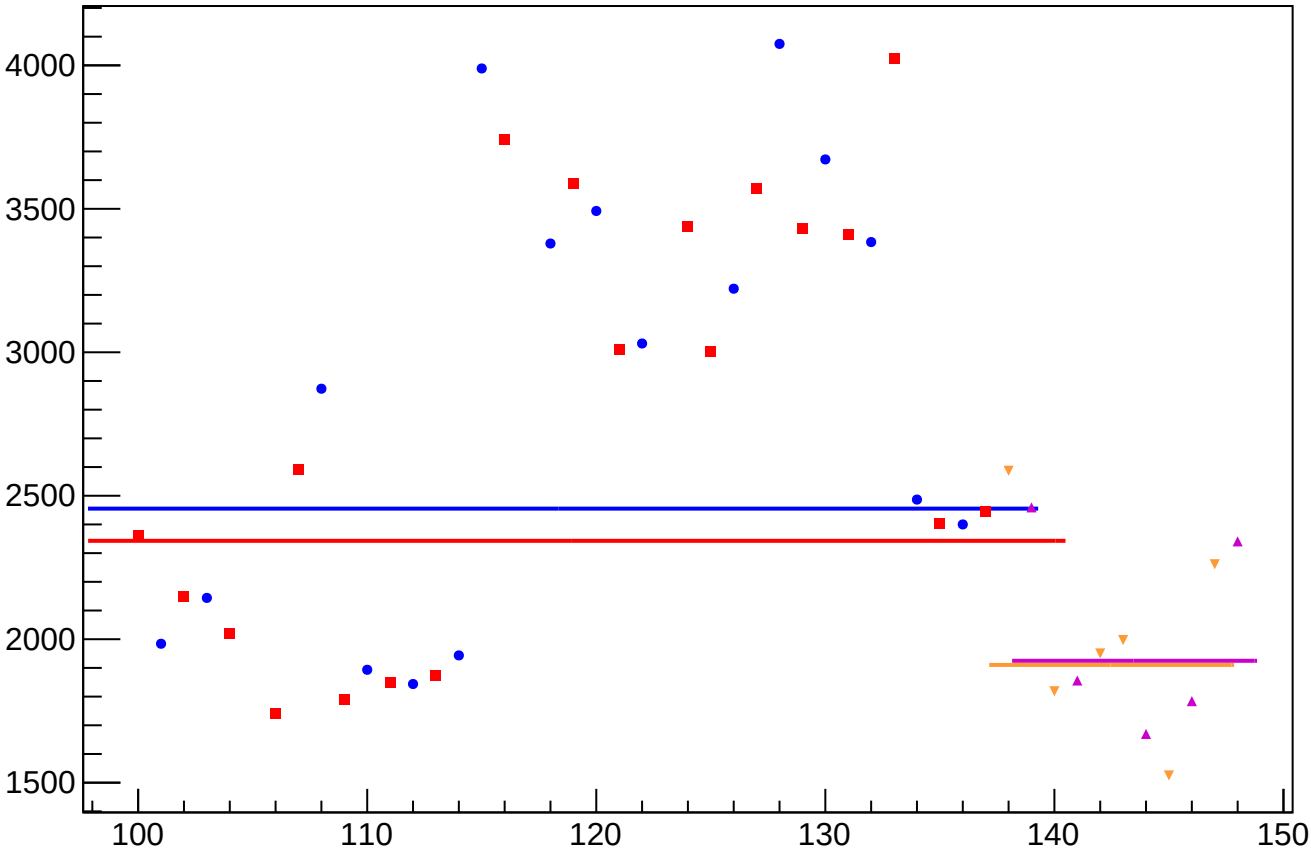
Left: -416.475+/-654.535 χ^2/NDF: 25.7/10

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 603.215+/-666.256 χ^2/NDF:26.5/20

Out: -61.540+/-640.005 χ^2/NDF:39.3/24

All: 257.484+/-461.553 χ^2/NDF: 66.3/45



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1910.409+/-0.647 χ^2/NDF:255446.5/5

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

Left: 1917.436+/-0.463 χ^2/NDF: 441686.7/10

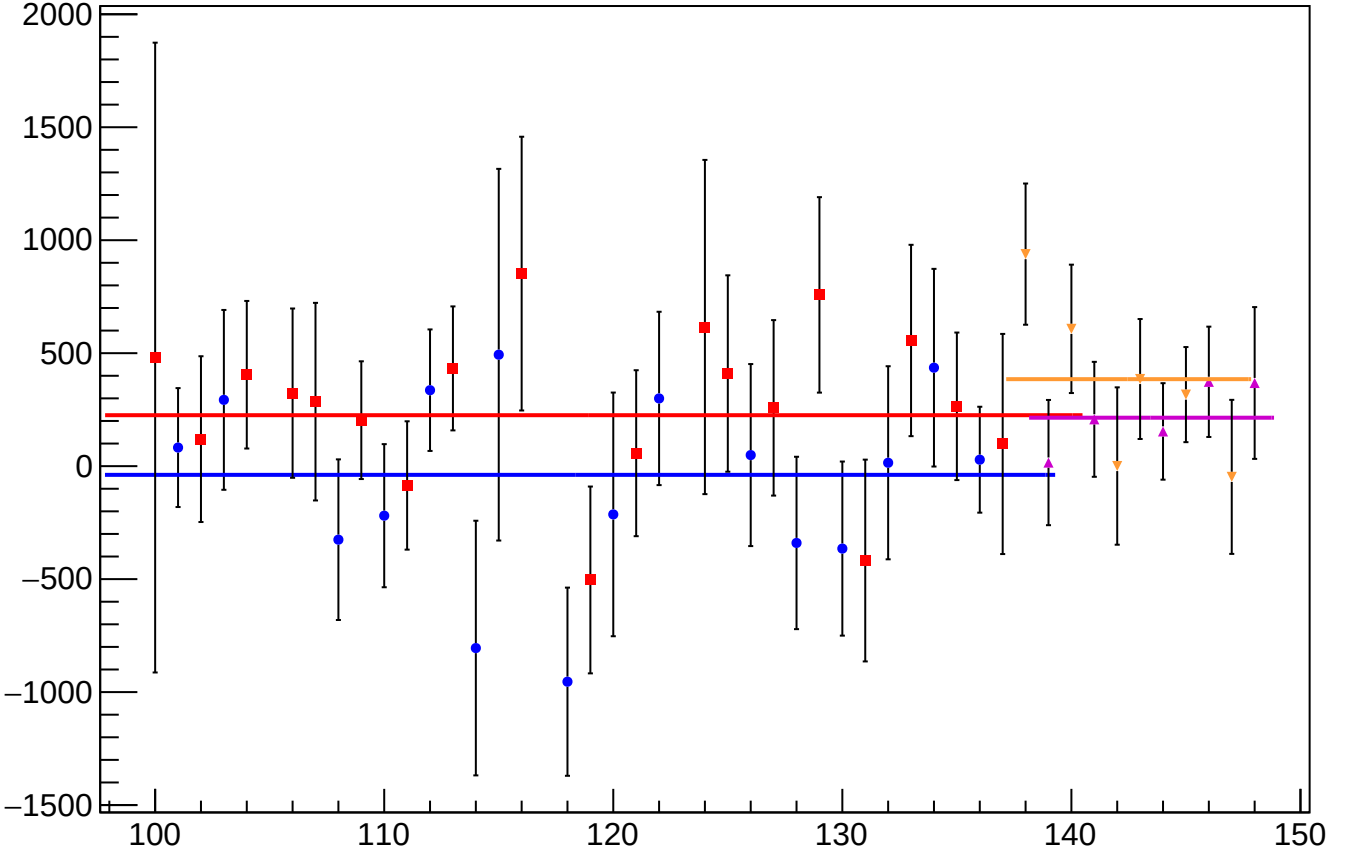
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2187.045+/-0.471 χ^2/NDF:1397098.0/20

Out: 2131.167+/-0.453 χ^2/NDF:1554120.9/24

All: 2157.984+/-0.326 χ^2/NDF: 2958535.3/45

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 385.002+/-114.525 χ^2/NDF:6.7/5

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 214.397+/-114.669 χ^2/NDF:1.2/4

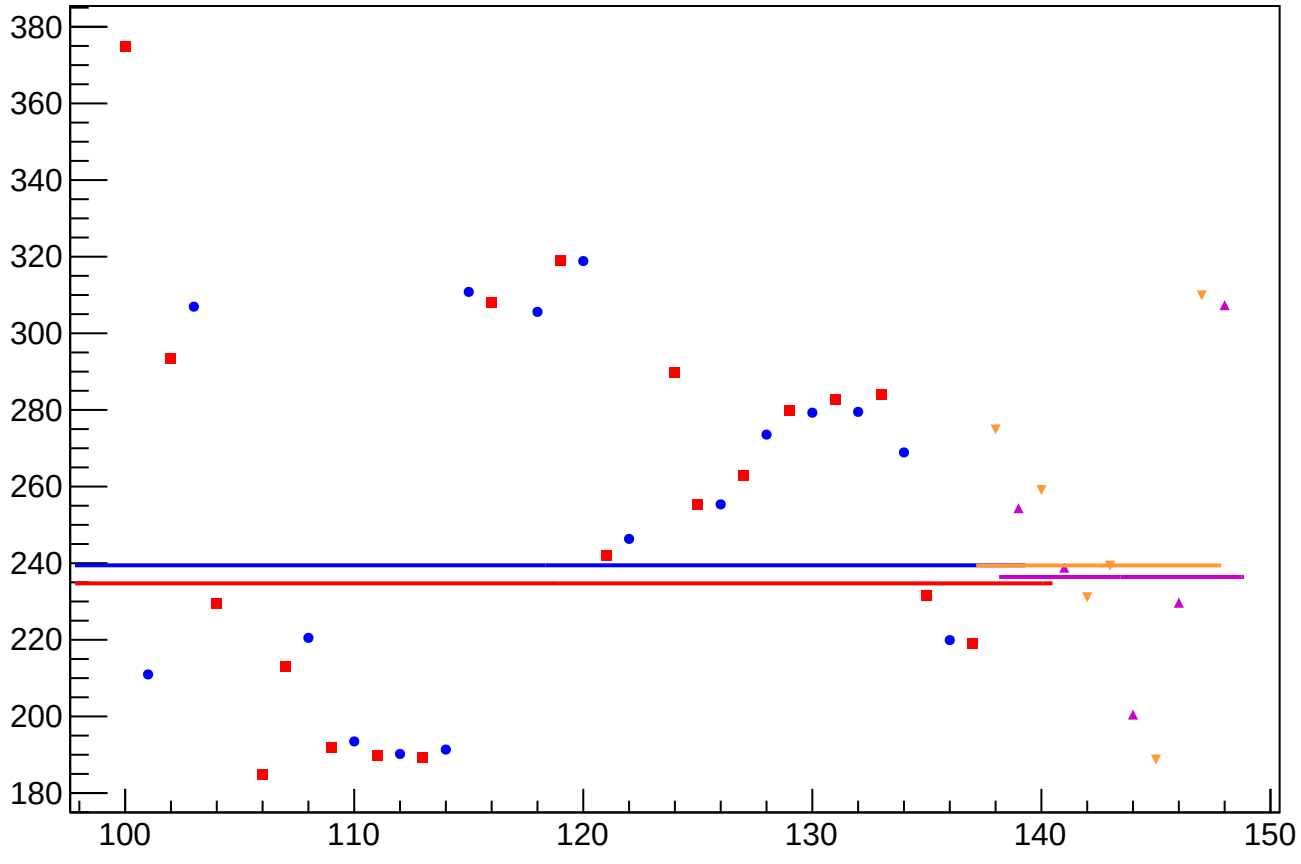
Left: 299.807+/-81.032 χ^2/NDF: 9.0/10

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 58.710+/-71.098 χ^2/NDF:18.7/20

Out: 284.656+/-69.740 χ^2/NDF:19.3/24

All: 173.861+/-49.787 χ^2/NDF: 43.2/45



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

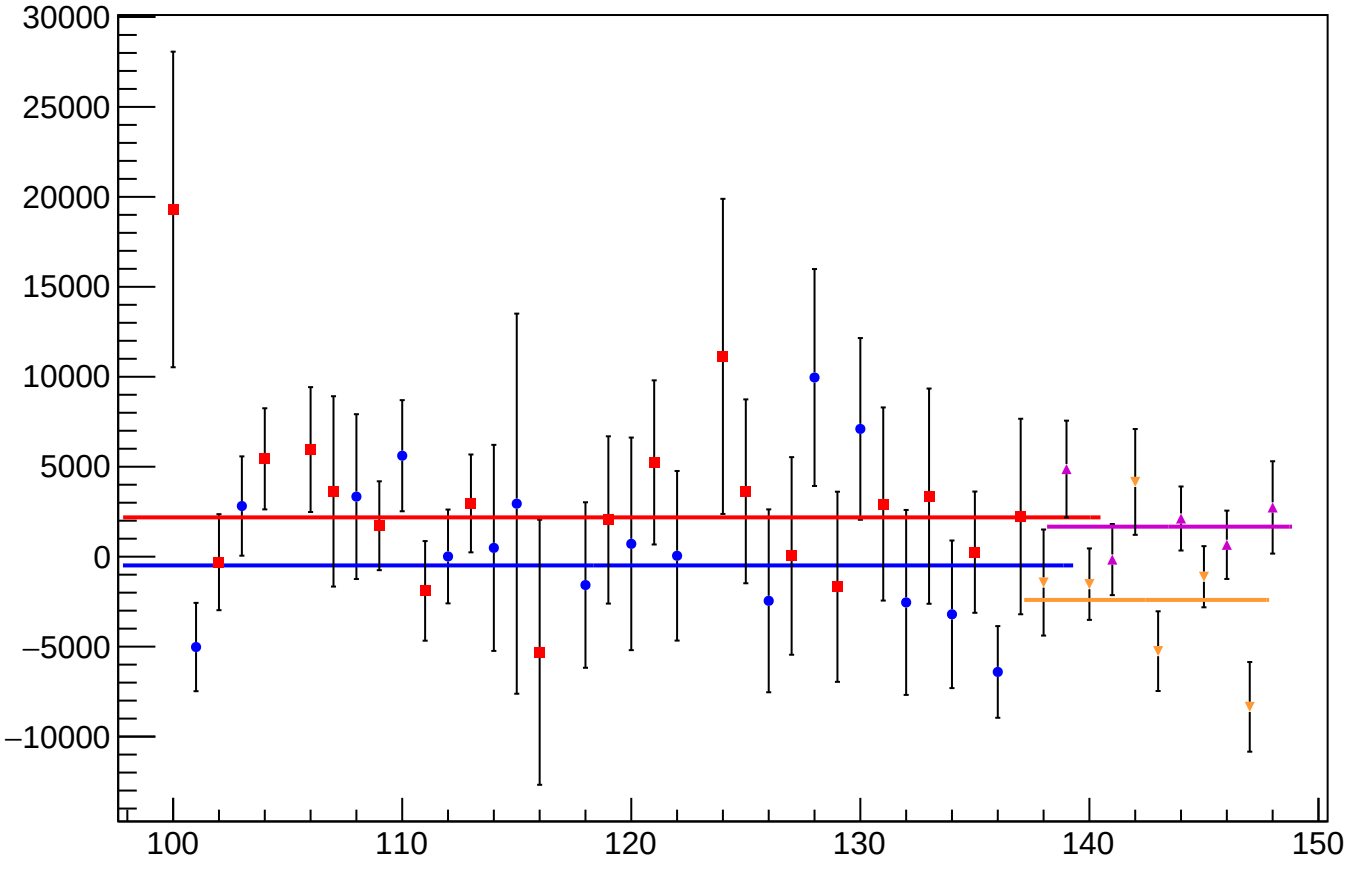
Left: 237.908+/-0.057 χ^2/NDF: 394446.3/10

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 238.276+/-0.050 χ^2/NDF:557733.2/20

Out: 236.469+/-0.049 χ^2/NDF:725190.9/24

All: 237.355+/-0.035 χ^2/NDF: 1283583.0/45



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2403.058+/-914.638 χ^2/NDF:13.2/5

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1668.768+/-937.075 χ^2/NDF:2.8/4

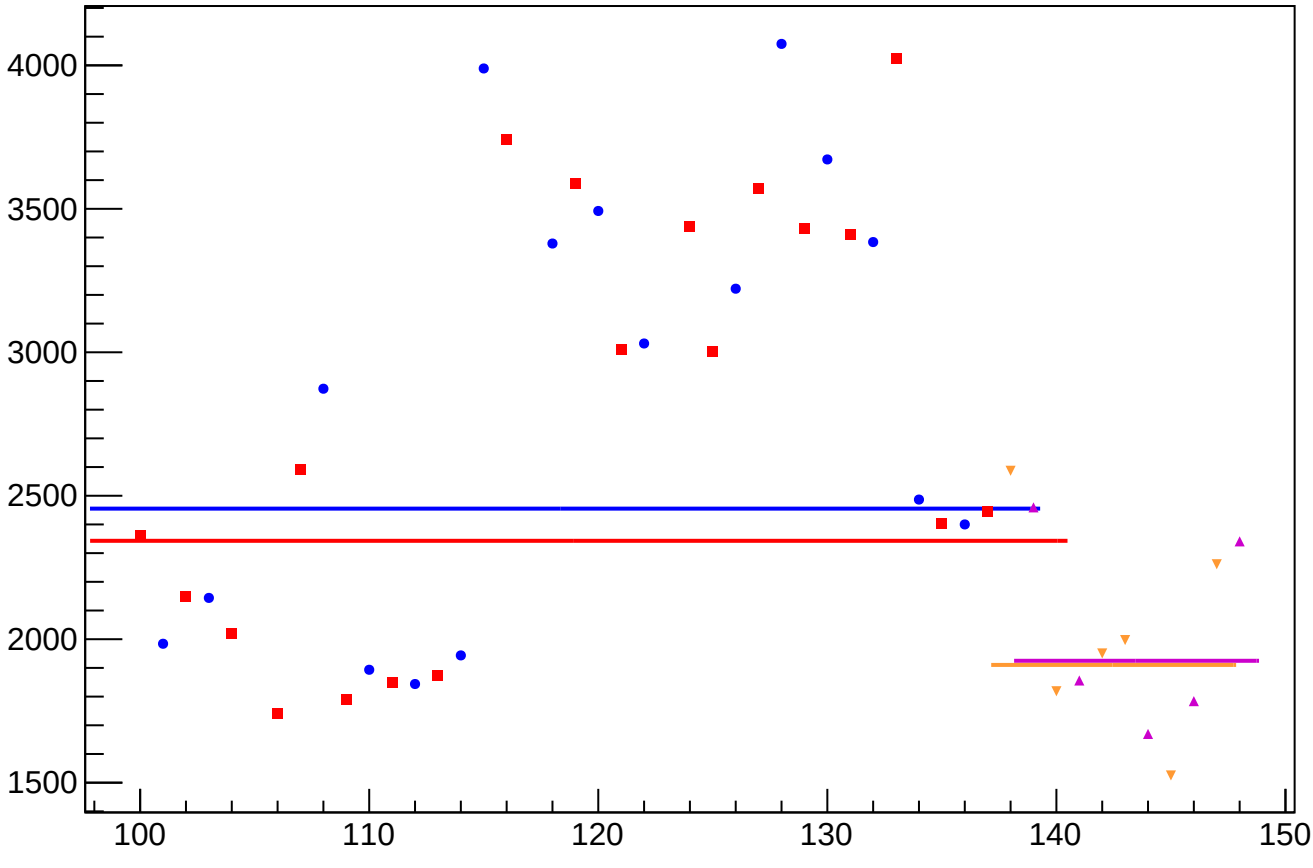
Left: -416.475+/-654.535 χ^2/NDF: 25.7/10

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 603.215+/-666.256 χ^2/NDF:26.5/20

Out: -61.540+/-640.005 χ^2/NDF:39.3/24

All: 257.484+/-461.553 χ^2/NDF: 66.3/45



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1910.409+/-0.647 χ^2/NDF:255446.5/5

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

Left: 1917.436+/-0.463 χ^2/NDF: 441686.7/10

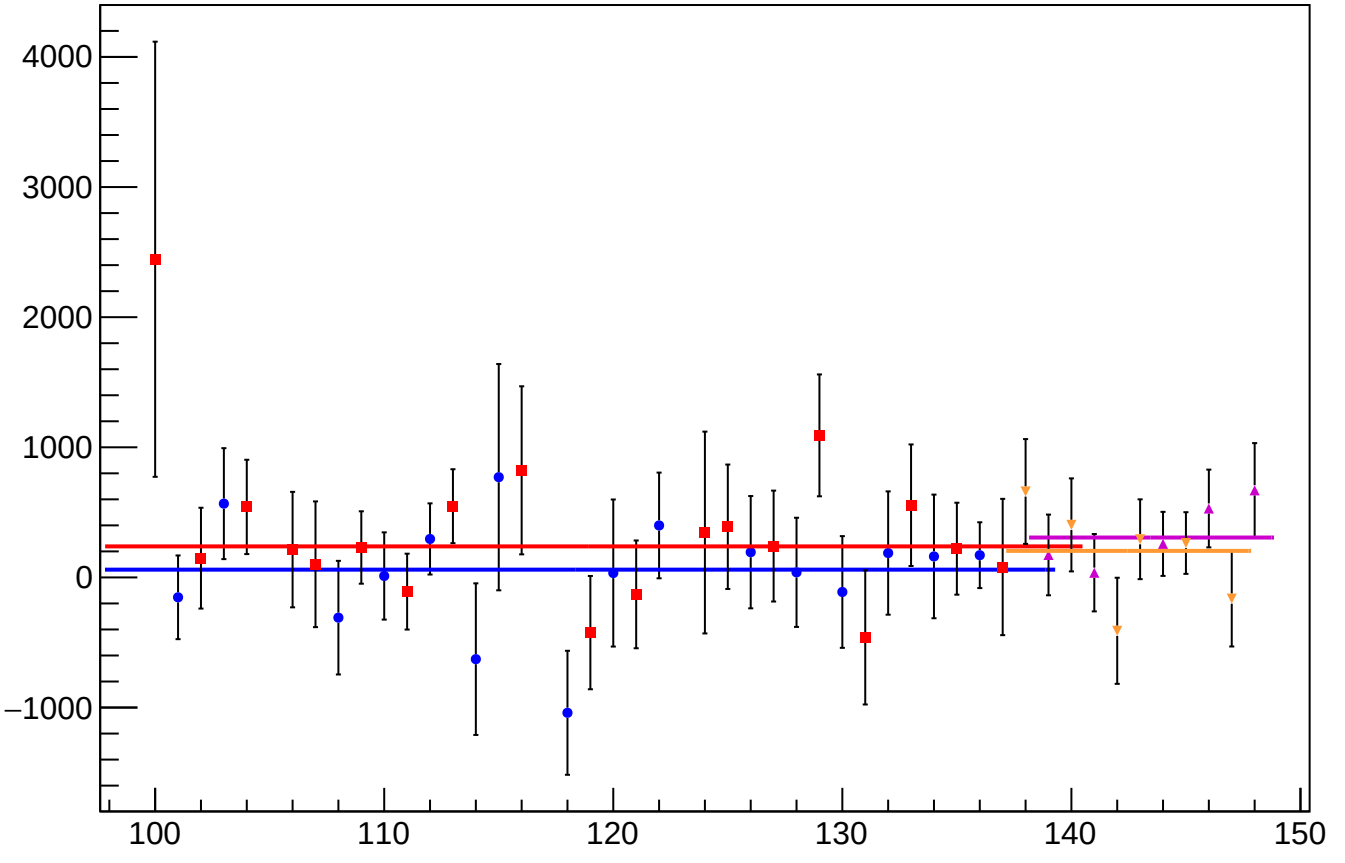
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2187.045+/-0.471 χ^2/NDF:1397098.0/20

Out: 2131.167+/-0.453 χ^2/NDF:1554120.9/24

All: 2157.984+/-0.326 χ^2/NDF: 2958535.3/45

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 203.978+/-133.829 χ^2/NDF:5.0/5

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 306.588+/-132.428 χ^2/NDF:2.6/4

Left: 255.823+/-94.132 χ^2/NDF: 7.9/10

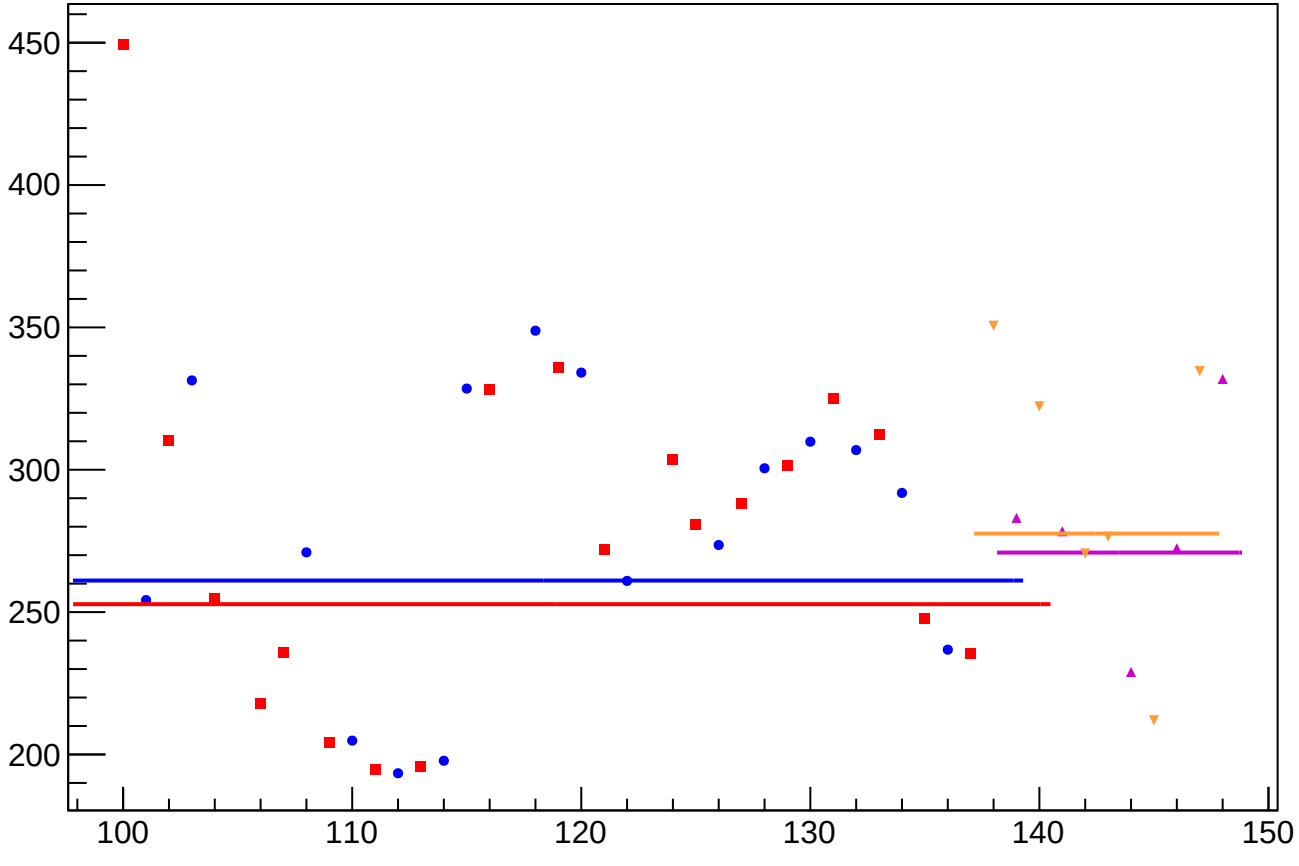
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 148.493+/-79.410 χ^2/NDF:16.8/20

Out: 226.933+/-77.500 χ^2/NDF:20.0/24

All: 188.668+/-55.464 χ^2/NDF: 37.3/45

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 277.577+/-0.095 χ^2/NDF:298838.0/5

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 270.908+/-0.094 χ^2/NDF:118977.5/4

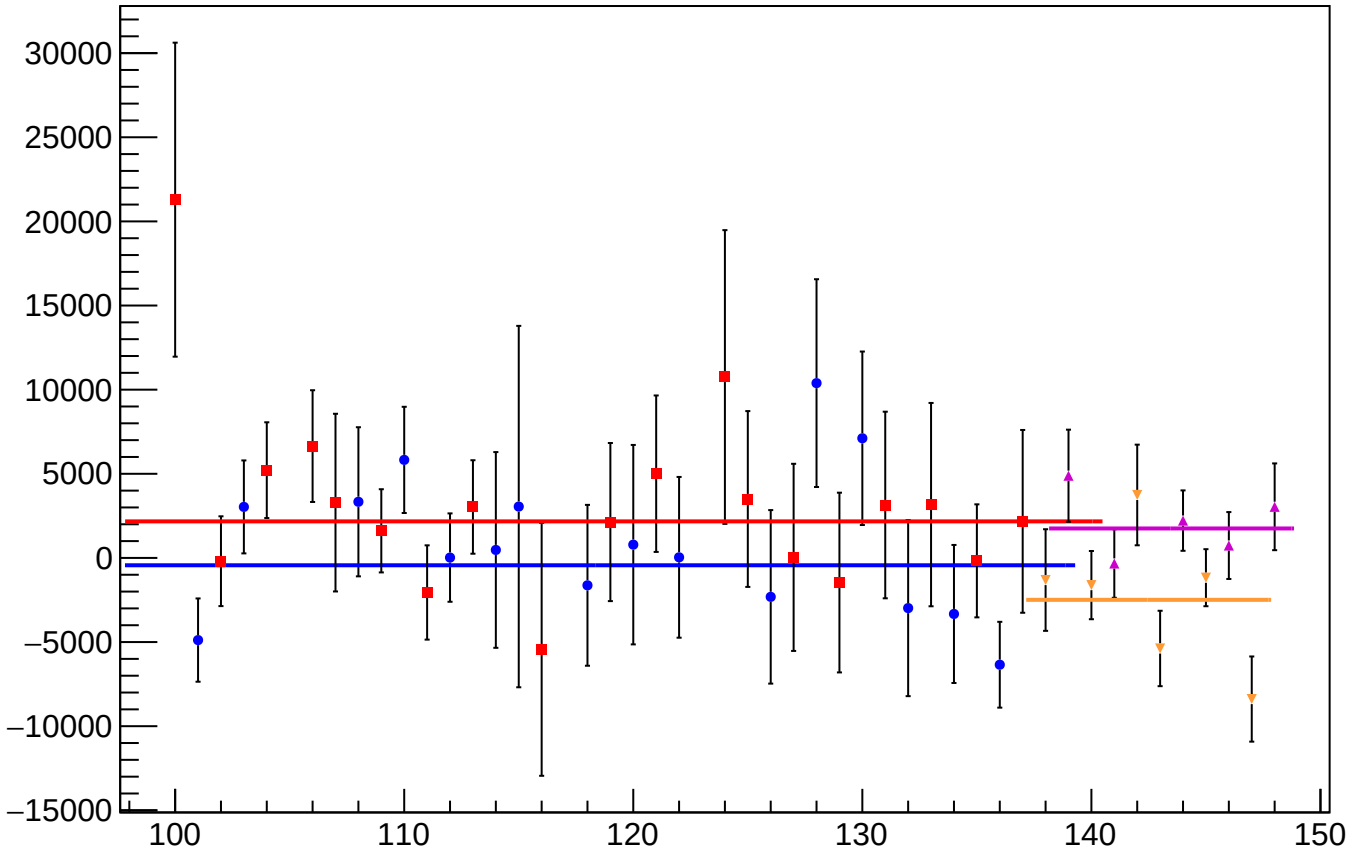
Left: 274.208+/-0.067 χ^2/NDF: 420324.9/10

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 264.620+/-0.056 χ^2/NDF:588682.1/20

Out: 261.101+/-0.055 χ^2/NDF:881740.3/24

All: 262.817+/-0.039 χ^2/NDF: 1472434.2/45



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2490.553+/-925.219 χ^2/NDF:12.4/5

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1750.637+/-958.642 χ^2/NDF:2.9/4

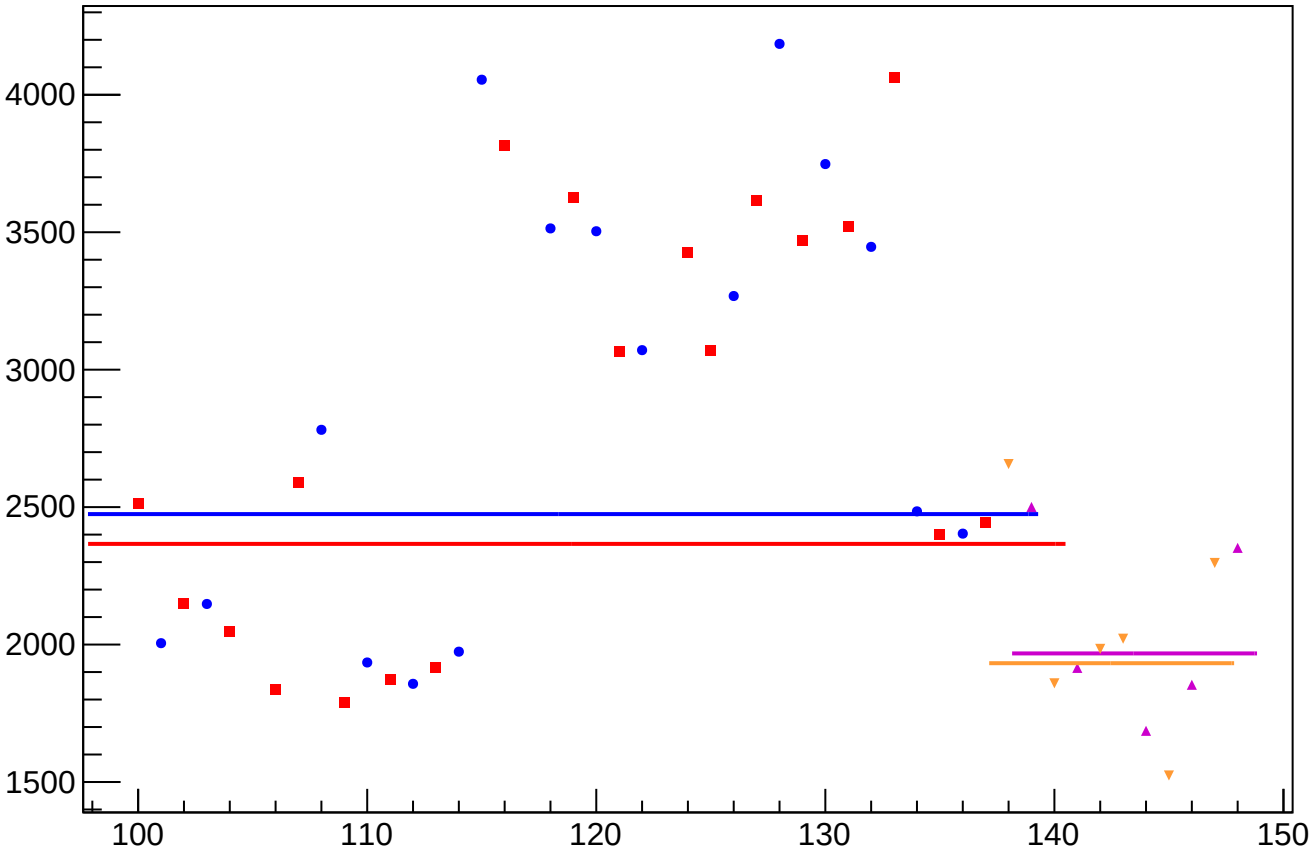
Left: -445.181+/-665.731 χ^2/NDF: 25.4/10

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 652.942+/-676.619 χ^2/NDF:26.7/20

Out: -97.671+/-645.533 χ^2/NDF:39.4/24

All: 259.998+/-467.064 χ^2/NDF: 66.8/45



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1932.200+/-0.654 χ^2/NDF:279141.1/5

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1967.784+/-0.678 χ^2/NDF:177335.5/4

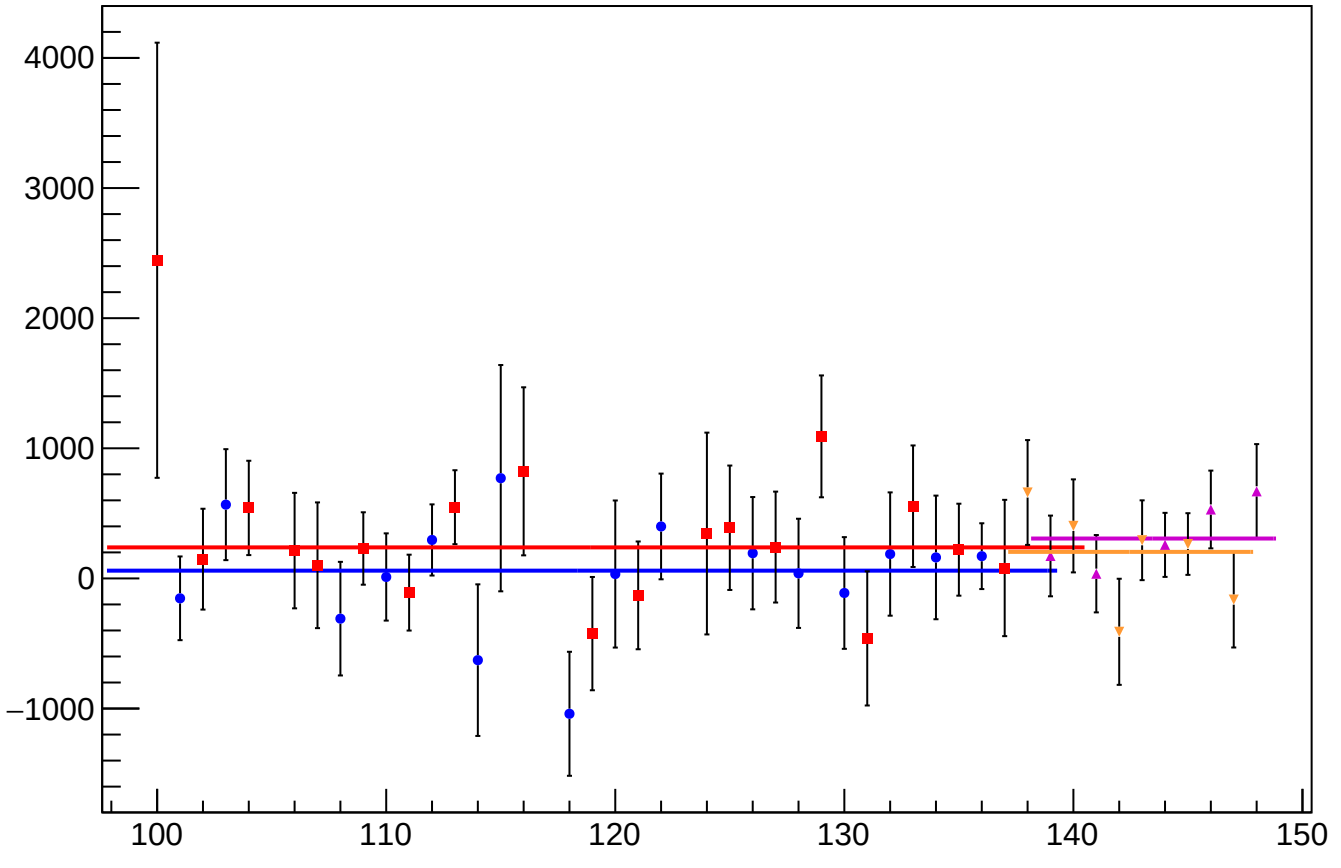
Left: 1949.361+/-0.471 χ^2/NDF: 457903.4/10

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2222.132+/-0.478 χ^2/NDF:1374138.8/20

Out: 2154.941+/-0.456 χ^2/NDF:1582183.3/24

All: 2186.958+/-0.330 χ^2/NDF: 2966647.0/45



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 203.978+/-133.830 χ^2/NDF:5.0/5

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 306.589+/-132.428 χ^2/NDF:2.6/4

Left: 255.824+/-94.132 χ^2/NDF: 7.9/10

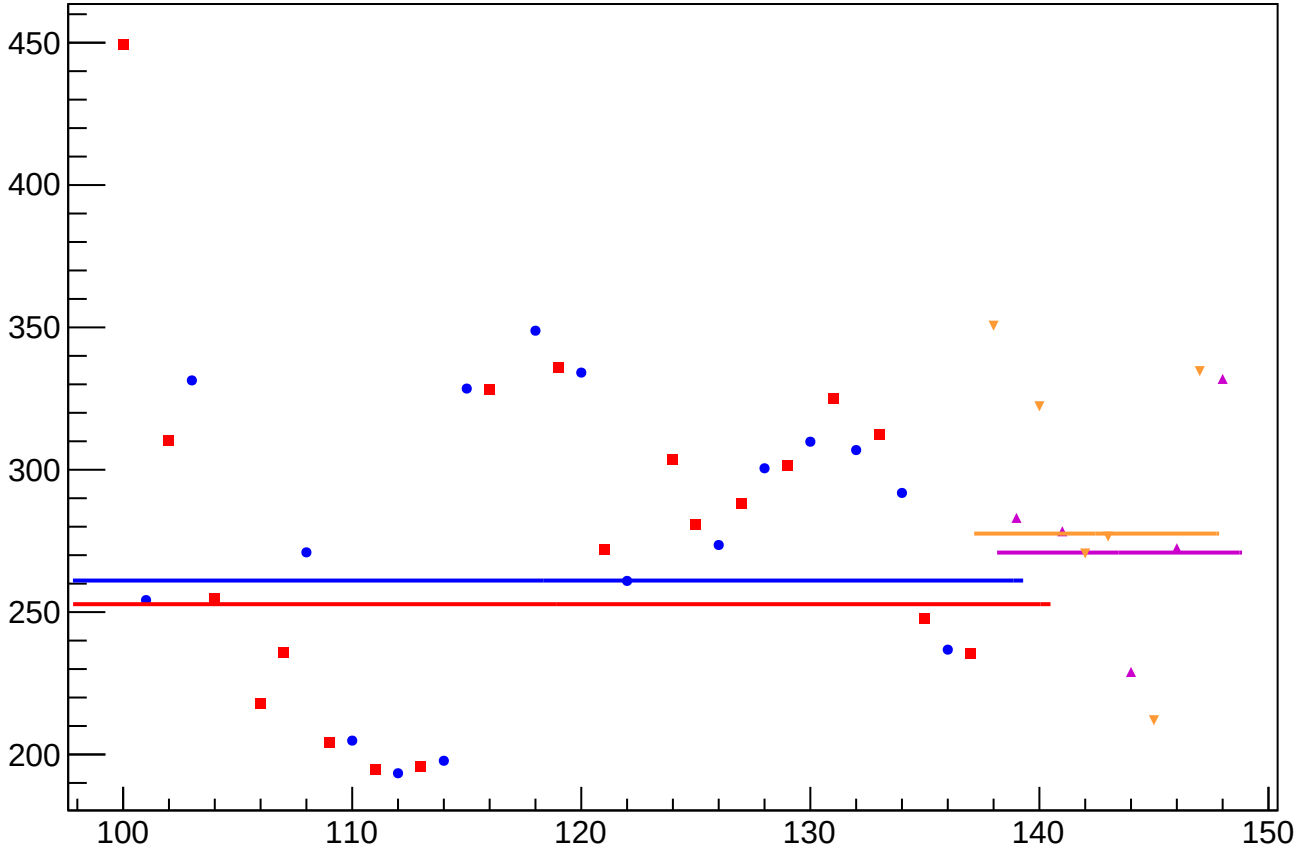
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 148.497+/-79.410 χ^2/NDF:16.8/20

Out: 226.933+/-77.500 χ^2/NDF:20.0/24

All: 188.670+/-55.464 χ^2/NDF: 37.3/45

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 277.578+/-0.095 χ^2/NDF:298833.3/5

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 270.909+/-0.094 χ^2/NDF:118975.7/4

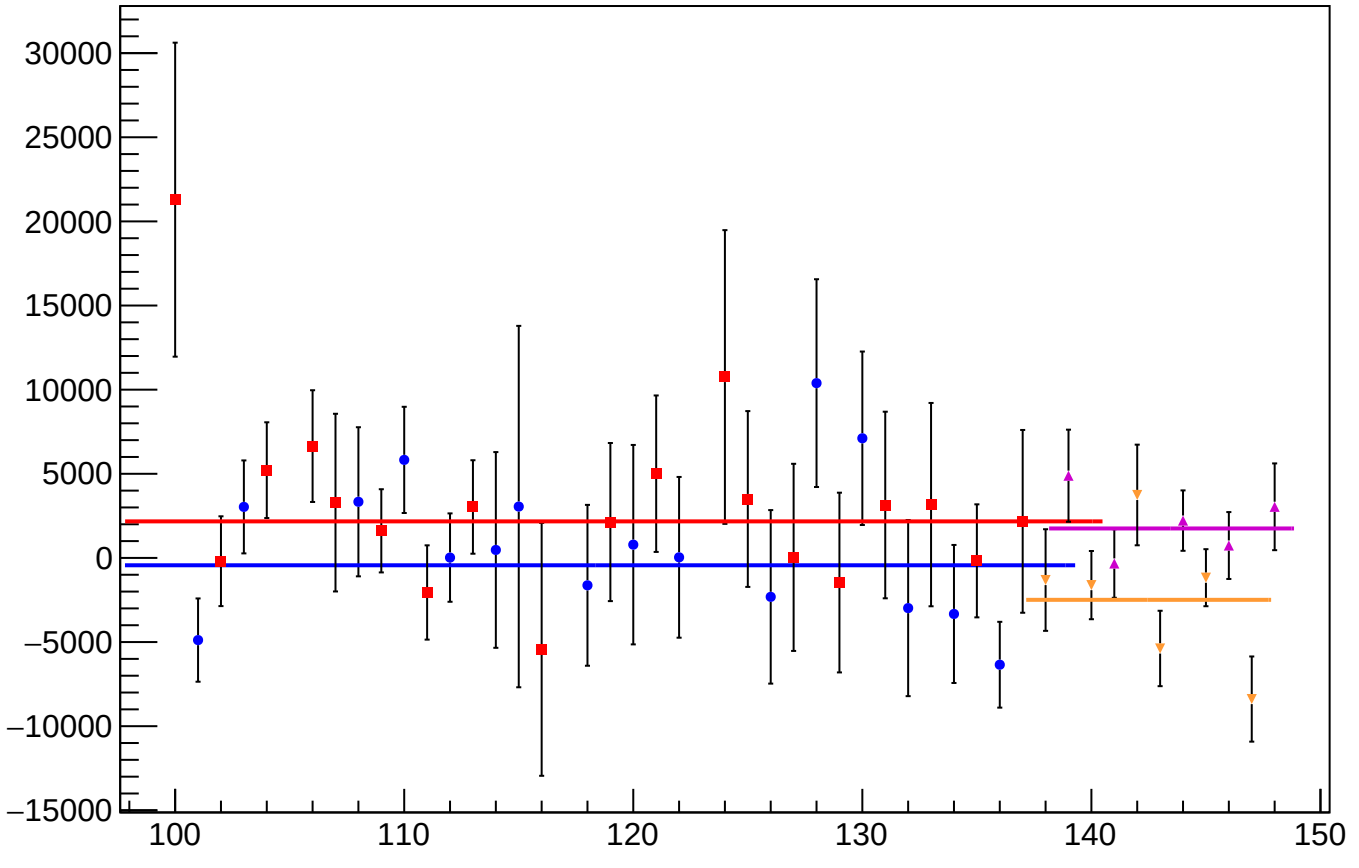
Left: 274.208+/-0.067 χ^2/NDF: 420318.3/10

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 264.620+/-0.056 χ^2/NDF:588683.9/20

Out: 261.101+/-0.055 χ^2/NDF:881740.9/24

All: 262.817+/-0.039 χ^2/NDF: 1472436.5/45



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2490.550+/-925.218 χ^2/NDF:12.4/5

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1750.637+/-958.642 χ^2/NDF:2.9/4

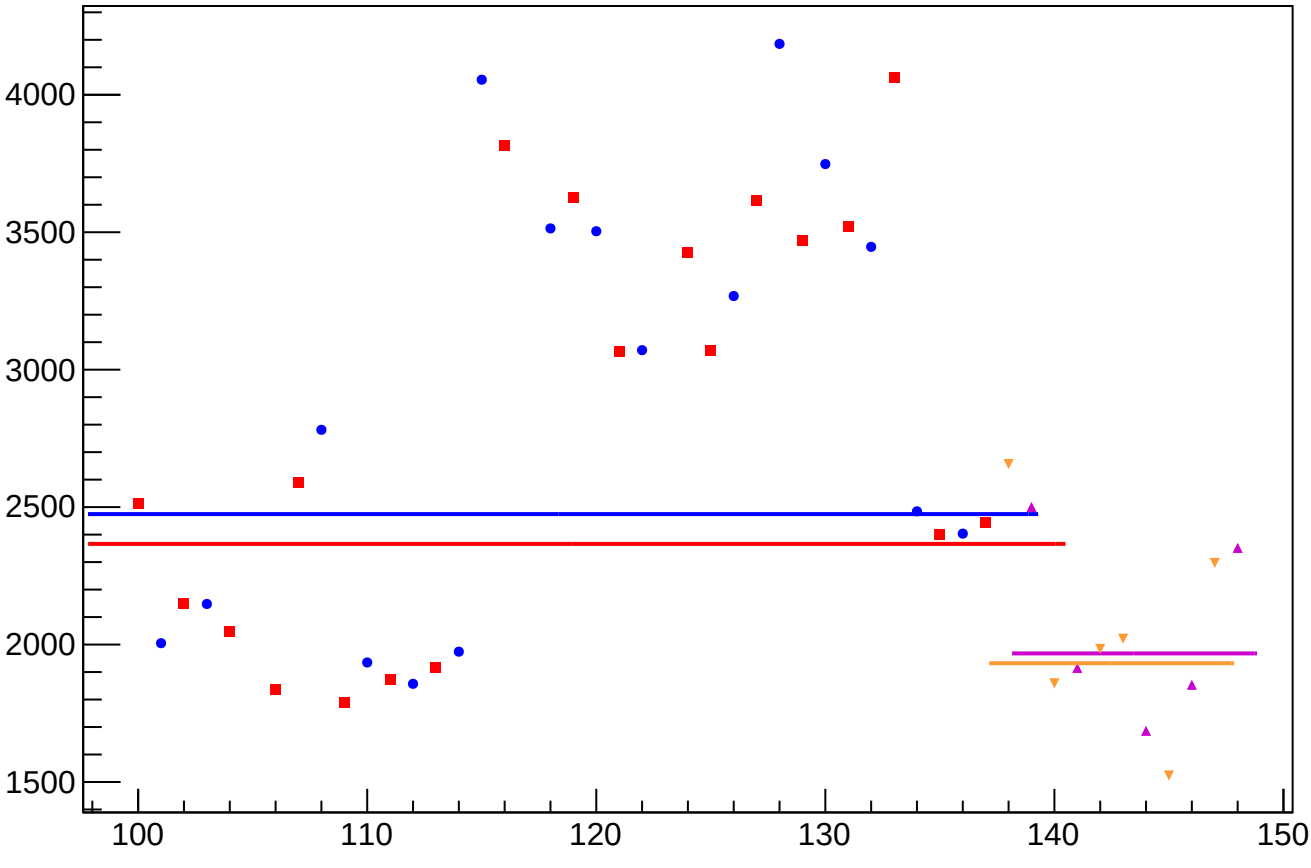
Left: -445.182+/-665.730 χ^2/NDF: 25.4/10

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 652.943+/-676.618 χ^2/NDF:26.7/20

Out: -97.672+/-645.532 χ^2/NDF:39.4/24

All: 259.997+/-467.063 χ^2/NDF: 66.8/45



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1932.197+/-0.654 χ^2/NDF:279143.9/5

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 1967.783+/-0.678 χ^2/NDF:177335.9/4

Left: 1949.359+/-0.471 χ^2/NDF: 457906.8/10

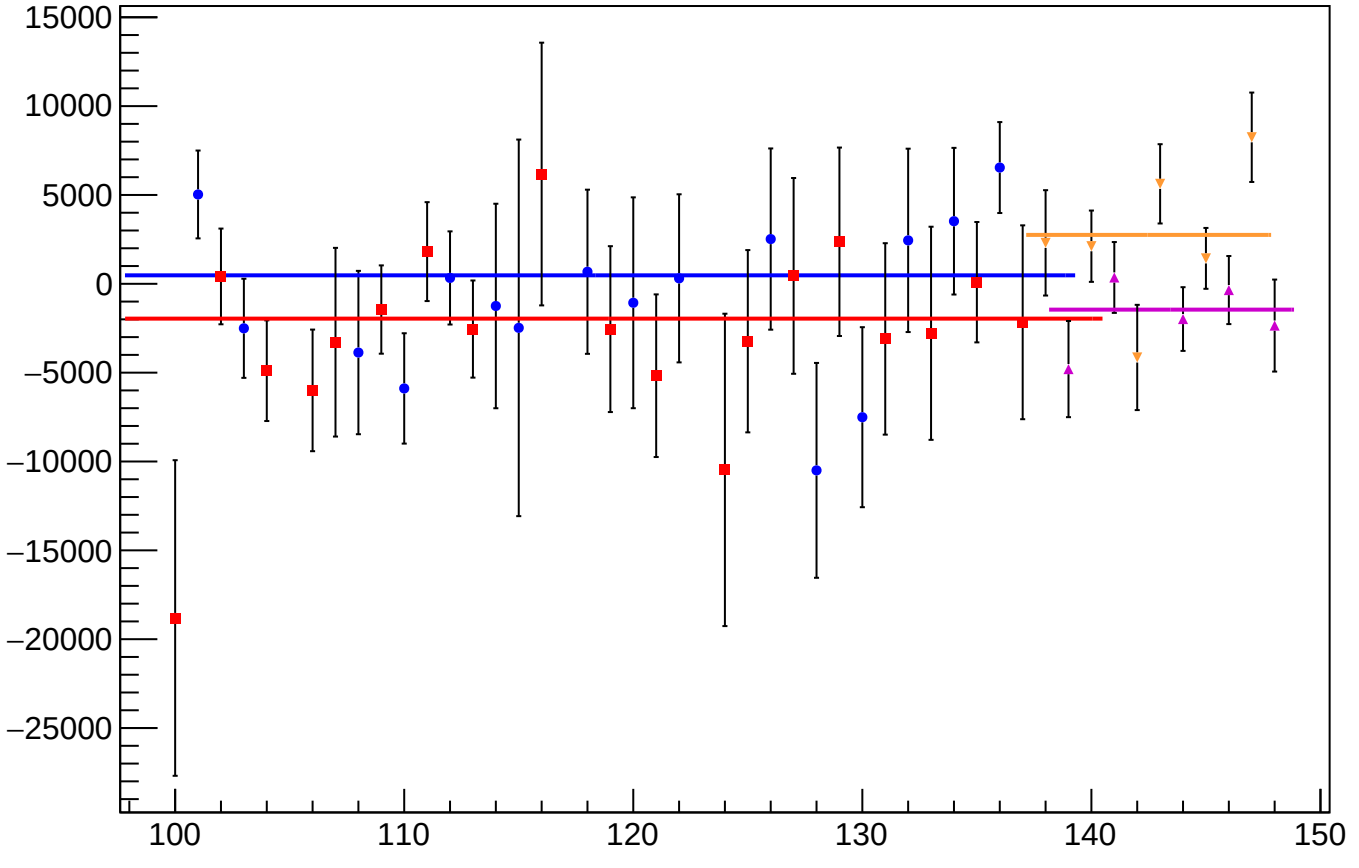
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2222.131+/-0.478 χ^2/NDF:1374142.0/20

Out: 2154.938+/-0.456 χ^2/NDF:1582190.4/24

All: 2186.956+/-0.330 χ^2/NDF: 2966657.7/45

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2752.421+/-922.137 χ^2/NDF:12.6/5

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1453.292+/-944.407 χ^2/NDF:2.9/4

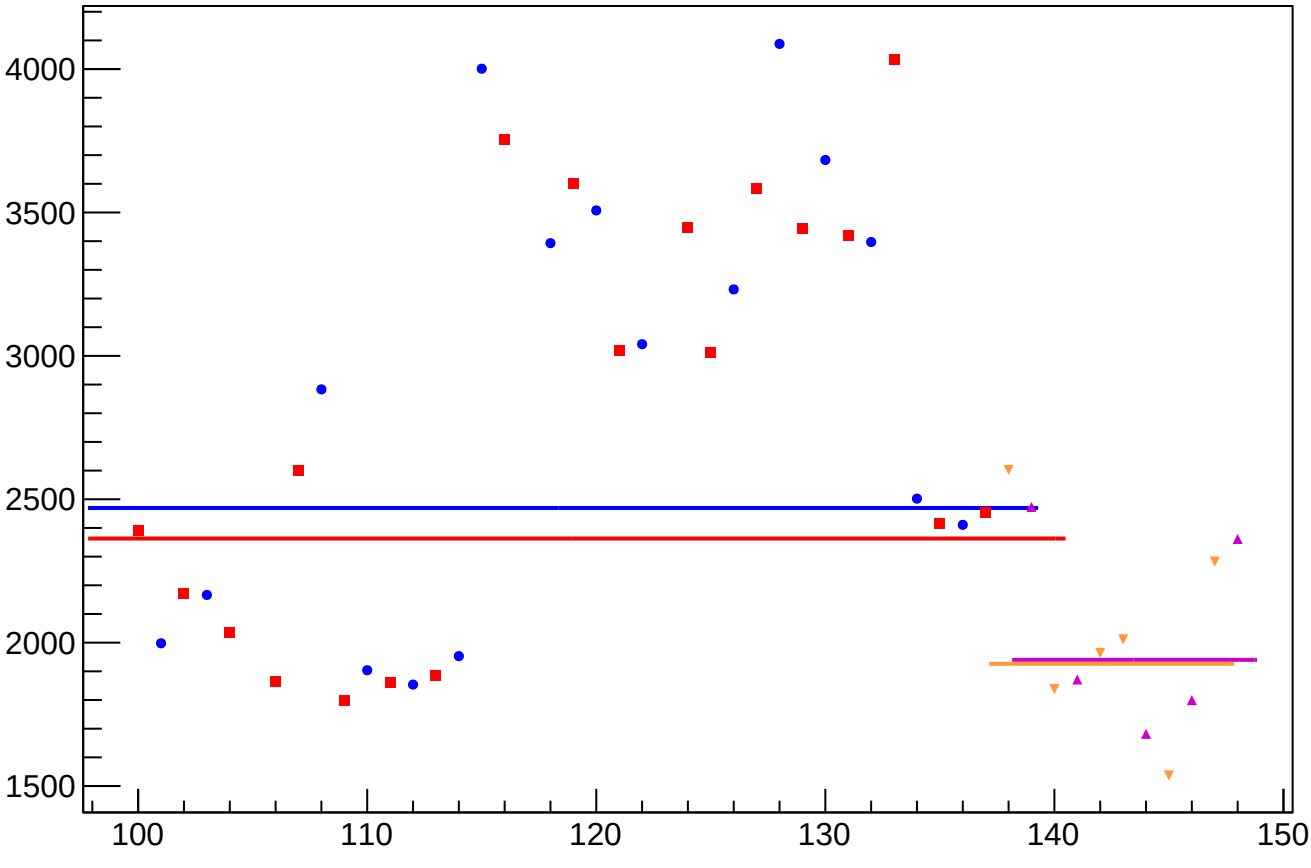
Left: 699.736+/-659.782 χ^2/NDF: 25.6/10

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -496.496+/-670.728 χ^2/NDF:27.1/20

Out: 338.448+/-643.971 χ^2/NDF:38.8/24

All: -62.038+/-464.527 χ^2/NDF: 66.7/45



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1926.221+/-0.652 χ^2/NDF:254564.8/5

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1940.090+/-0.668 χ^2/NDF:185270.7/4

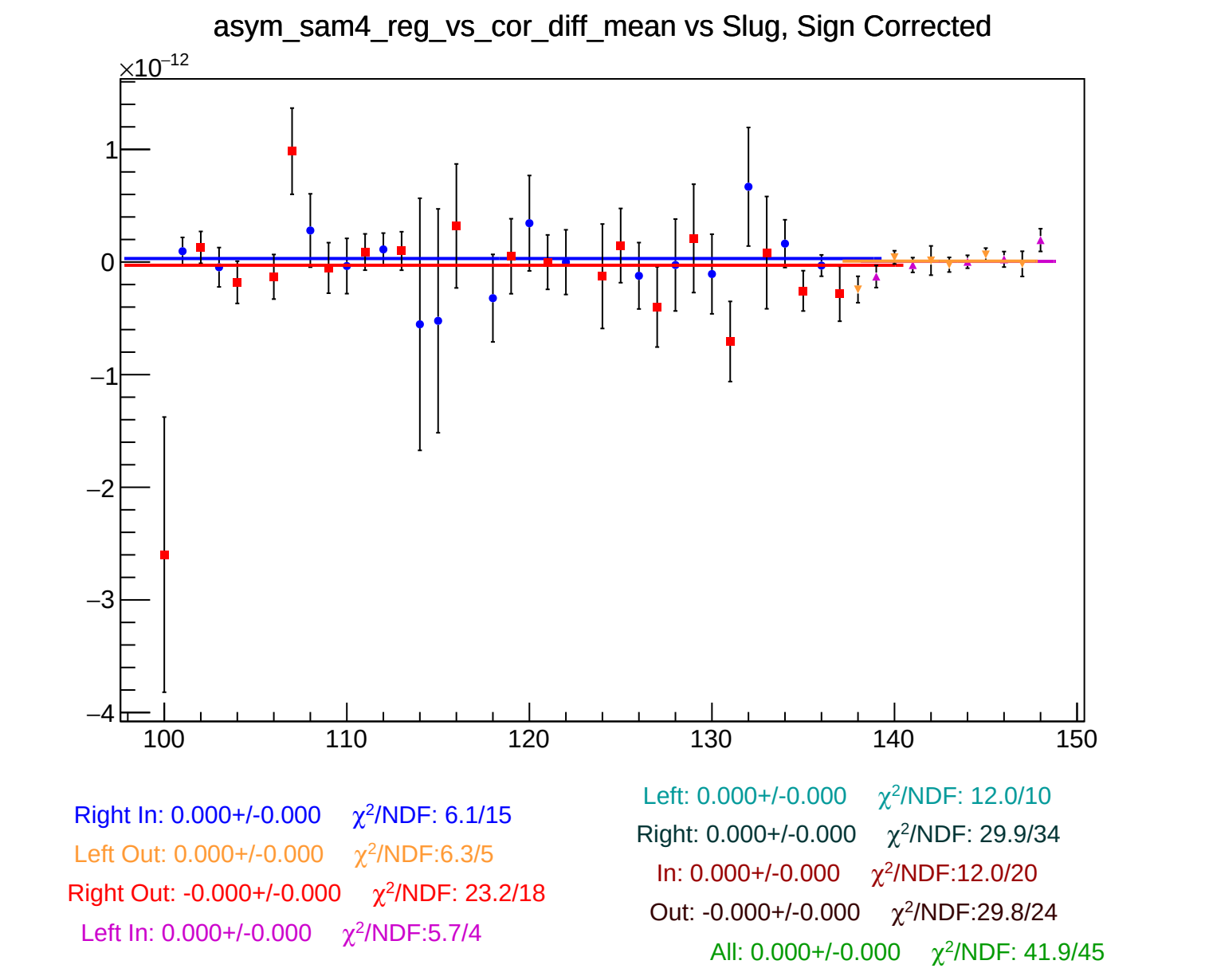
Left: 1932.990+/-0.467 χ^2/NDF: 440056.3/10

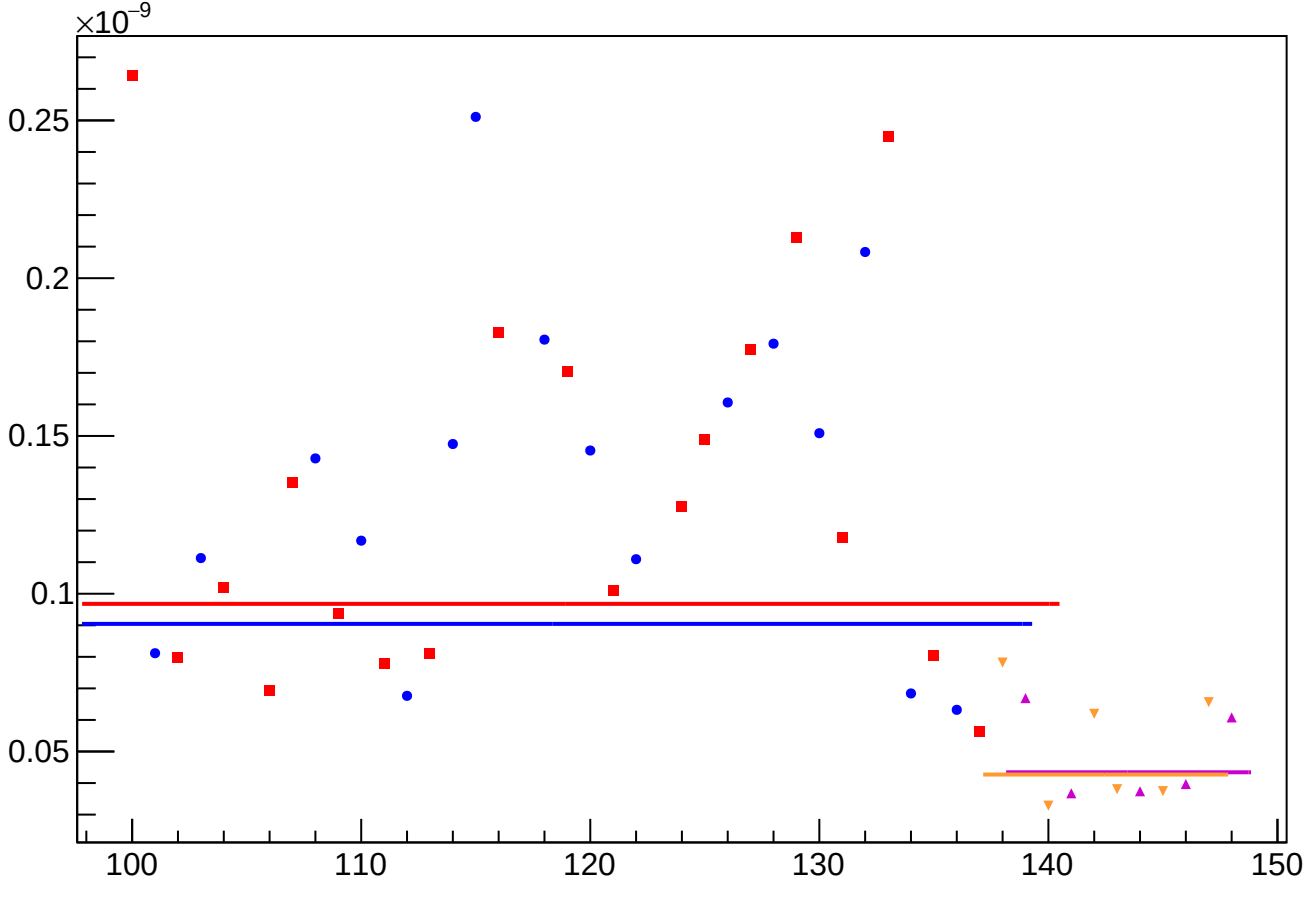
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2202.535+/-0.474 χ^2/NDF:1383091.8/20

Out: 2150.015+/-0.455 χ^2/NDF:1527842.7/24

All: 2175.207+/-0.328 χ^2/NDF: 2917315.4/45


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6.3/5
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: 0.000+/-0.000 χ²/NDF:5.7/4
Left: 0.000+/-0.000 χ²/NDF: 12.0/10
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:12.0/20
Out: -0.000+/-0.000 χ²/NDF:29.8/24
All: 0.000+/-0.000 χ²/NDF: 41.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:394080.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:222672.6/4

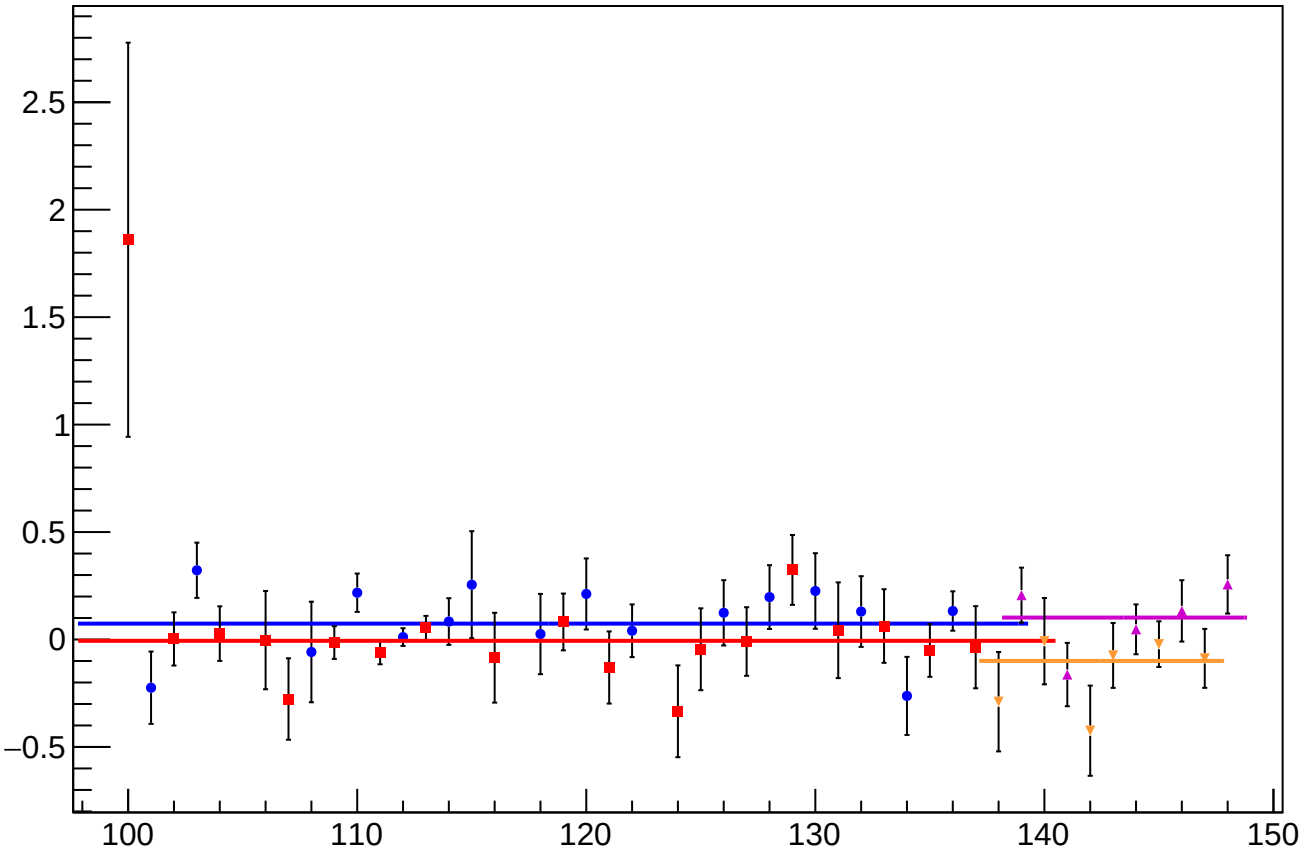
Left: 0.000+/-0.000 χ^2/NDF: 617266.4/10

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2308120.4/20

Out: 0.000+/-0.000 χ^2/NDF:2677494.6/24

All: 0.000+/-0.000 χ^2/NDF: 4986983.4/45



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

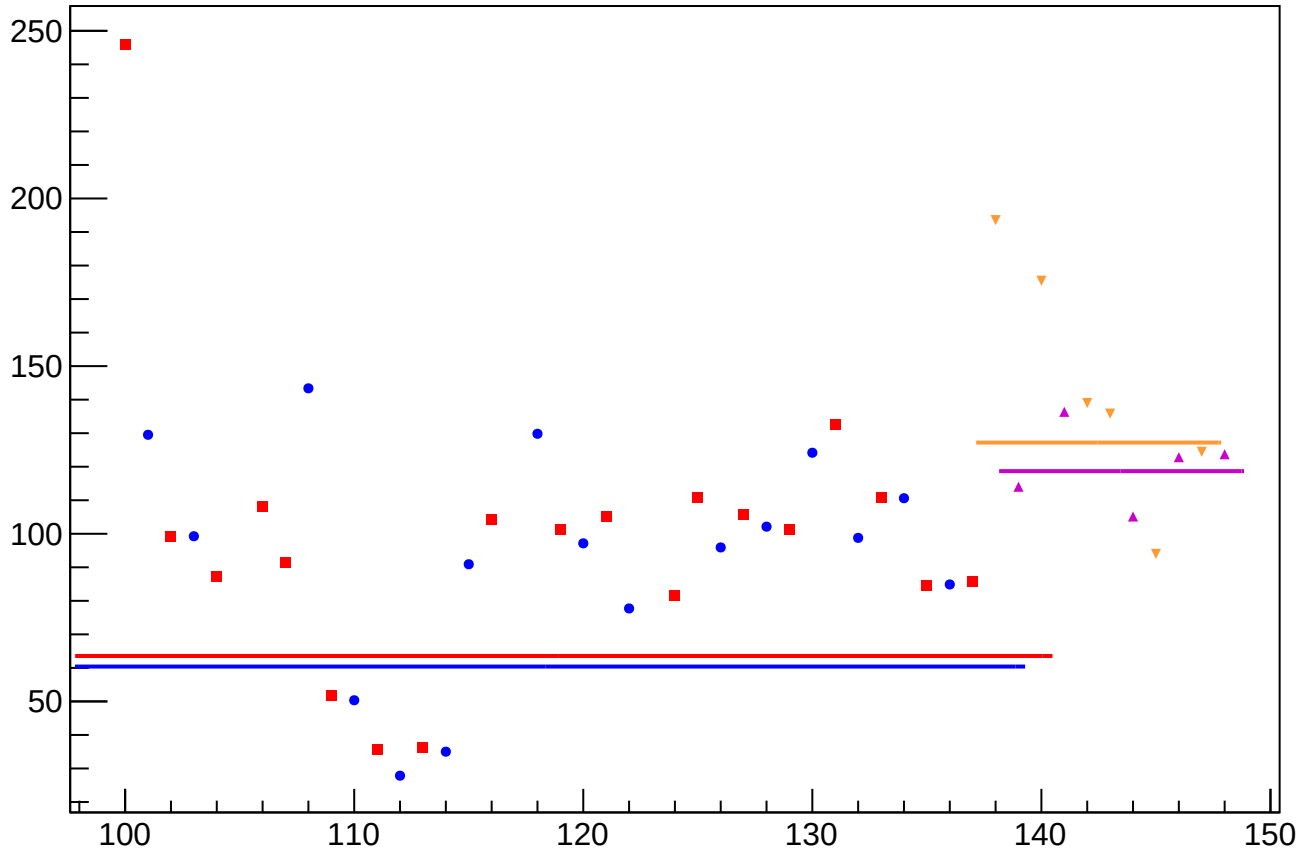
Left: 0.007+/-0.043 χ^2/NDF: 14.7/10

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.079+/-0.025 χ^2/NDF:24.6/20

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.029+/-0.017 χ^2/NDF: 54.9/45



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.204+/-0.045 χ^2/NDF:488694.1/5

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

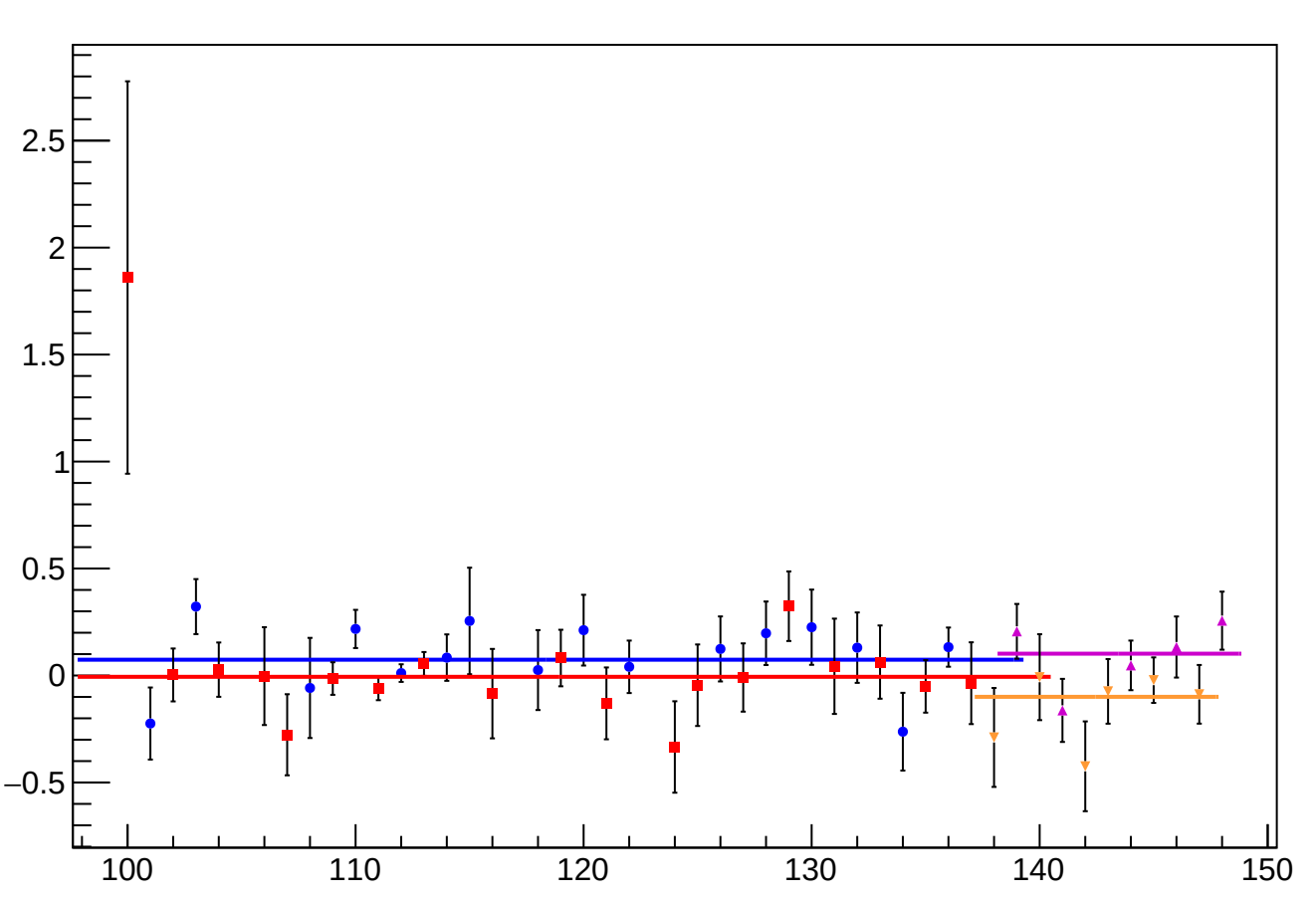
Left: 122.684+/-0.031 χ^2/NDF: 571224.6/10

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 70.430+/-0.017 χ^2/NDF:5203650.7/20

Out: 73.318+/-0.017 χ^2/NDF:4870048.8/24

All: 71.868+/-0.012 χ^2/NDF: 10087442.8/45



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

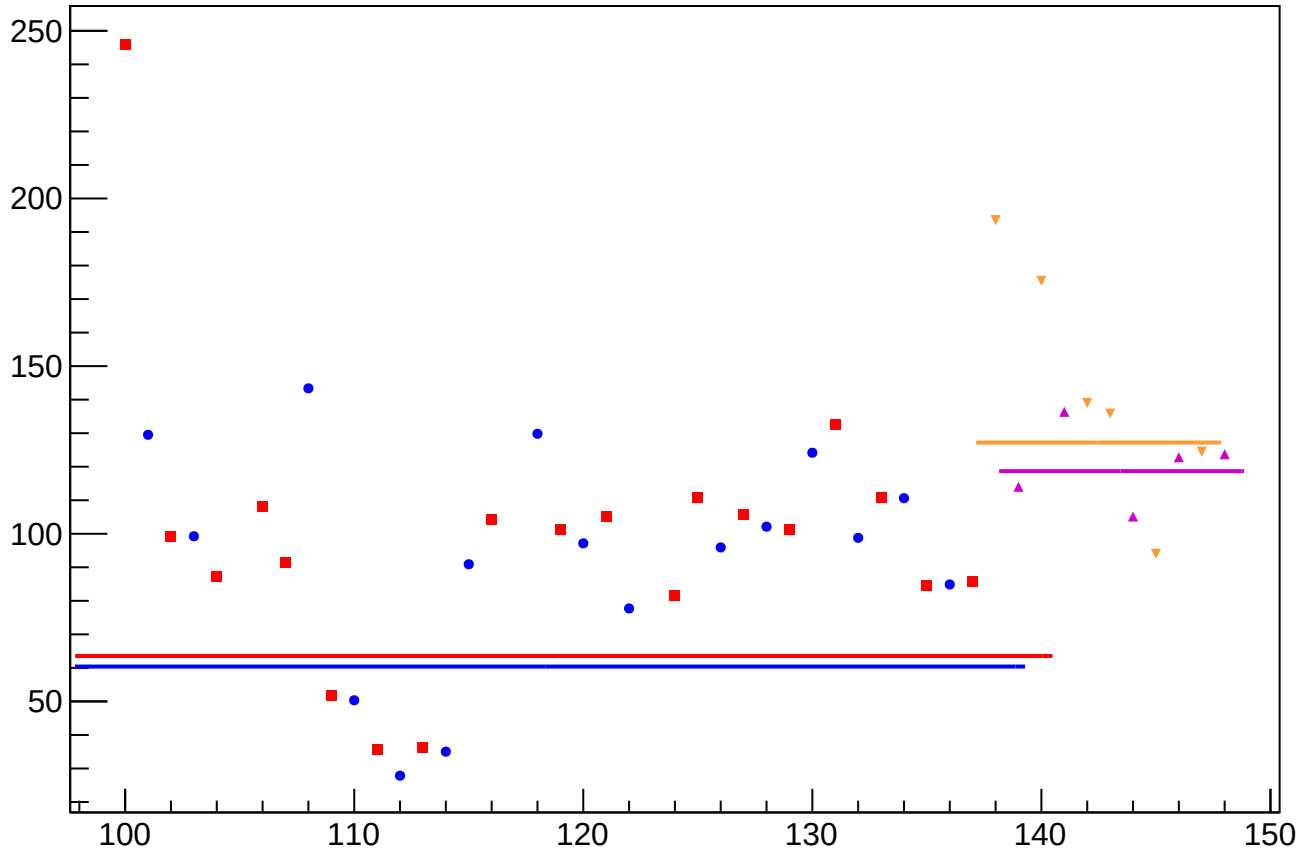
Left: 0.007+/-0.043 χ^2/NDF: 14.7/10

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.079+/-0.025 χ^2/NDF:24.6/20

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.029+/-0.017 χ^2/NDF: 54.9/45



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.204+/-0.045 χ^2/NDF:488694.1/5

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

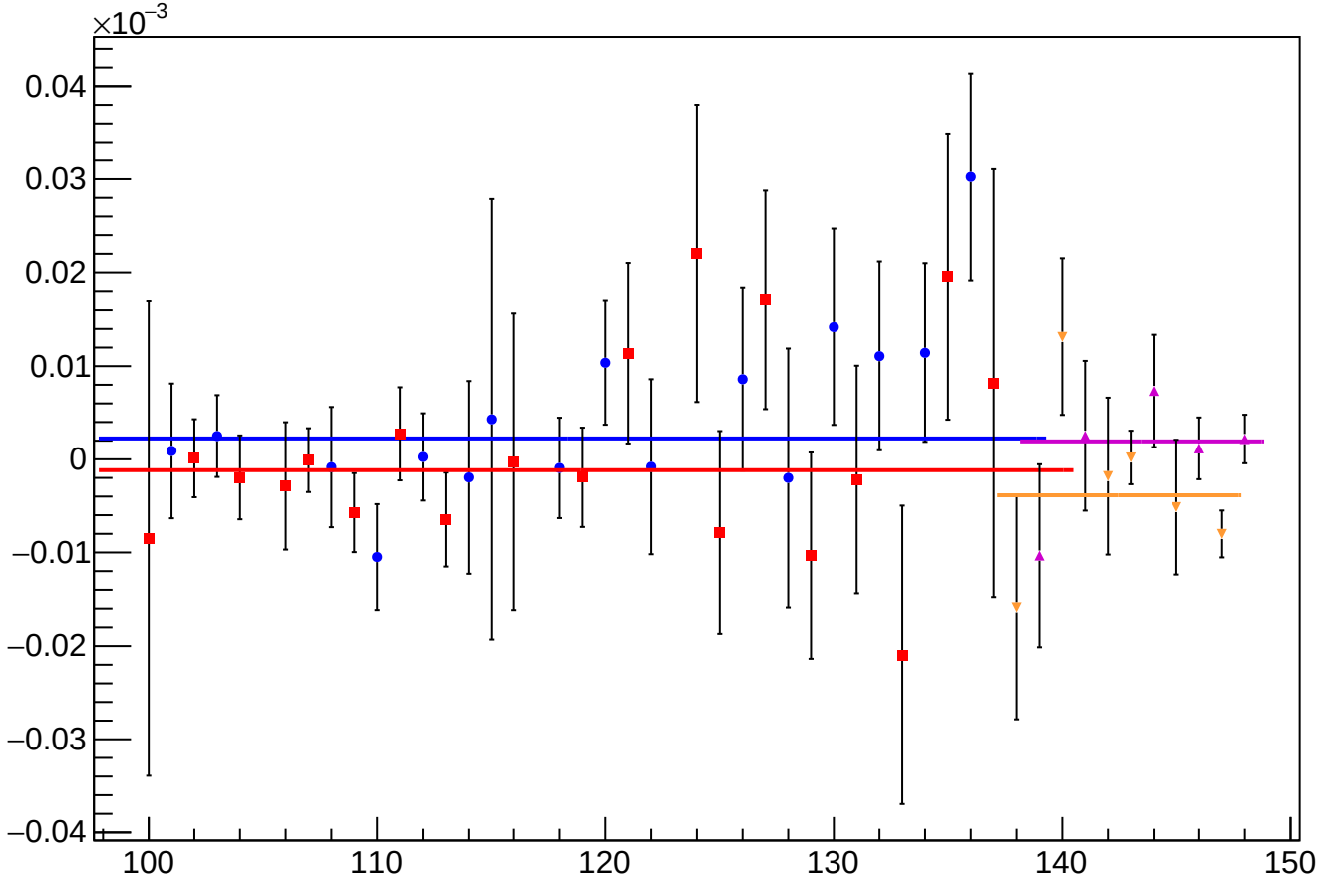
Left: 122.684+/-0.031 χ^2/NDF: 571224.6/10

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 70.430+/-0.017 χ^2/NDF:5203650.7/20

Out: 73.318+/-0.017 χ^2/NDF:4870048.8/24

All: 71.868+/-0.012 χ^2/NDF: 10087442.8/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

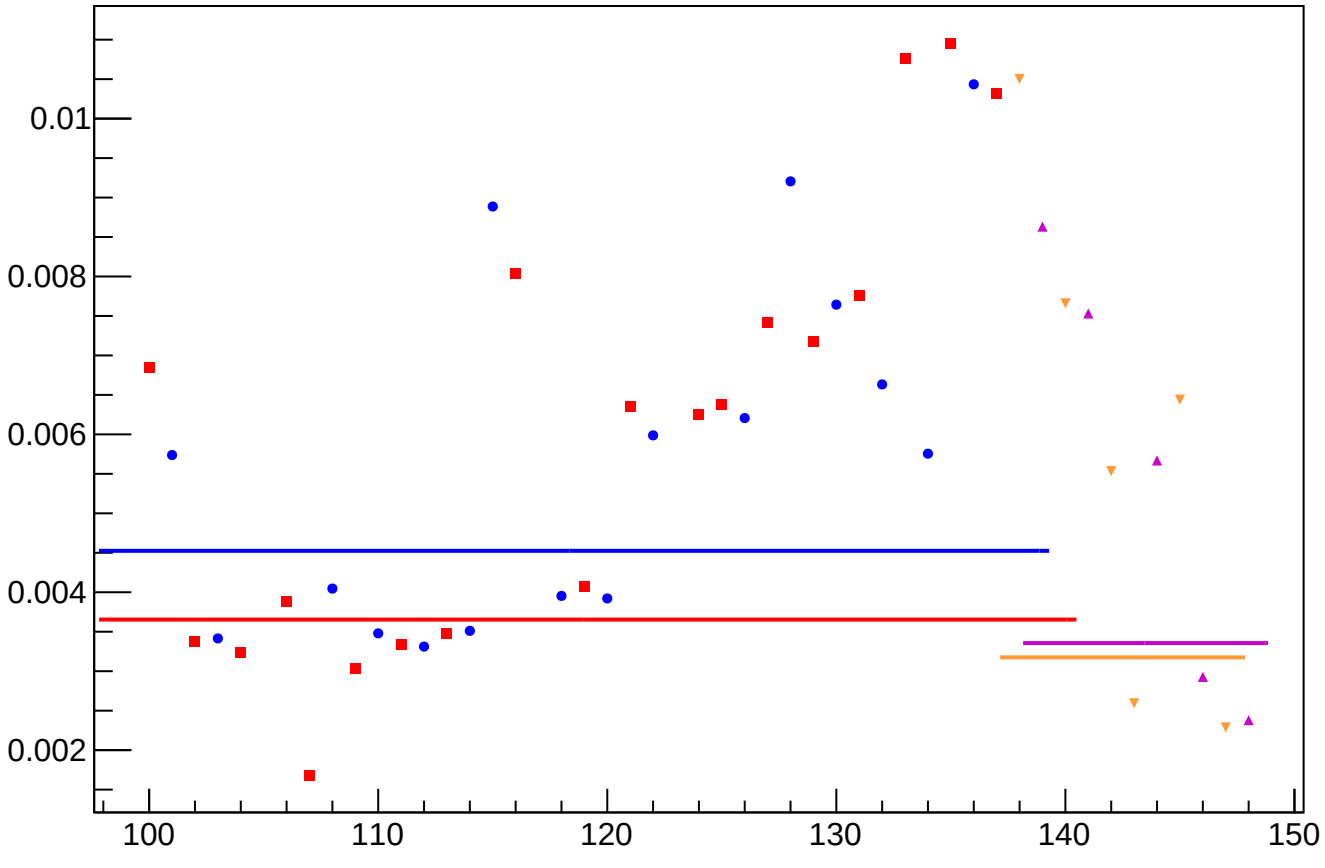
Left: -0.000+/-0.000 χ^2/NDF: 17.6/10

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:19.9/20

Out: -0.000+/-0.000 χ^2/NDF:25.4/24

All: -0.000+/-0.000 χ^2/NDF: 51.9/45



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2215799.5/5

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:1728590.3/4

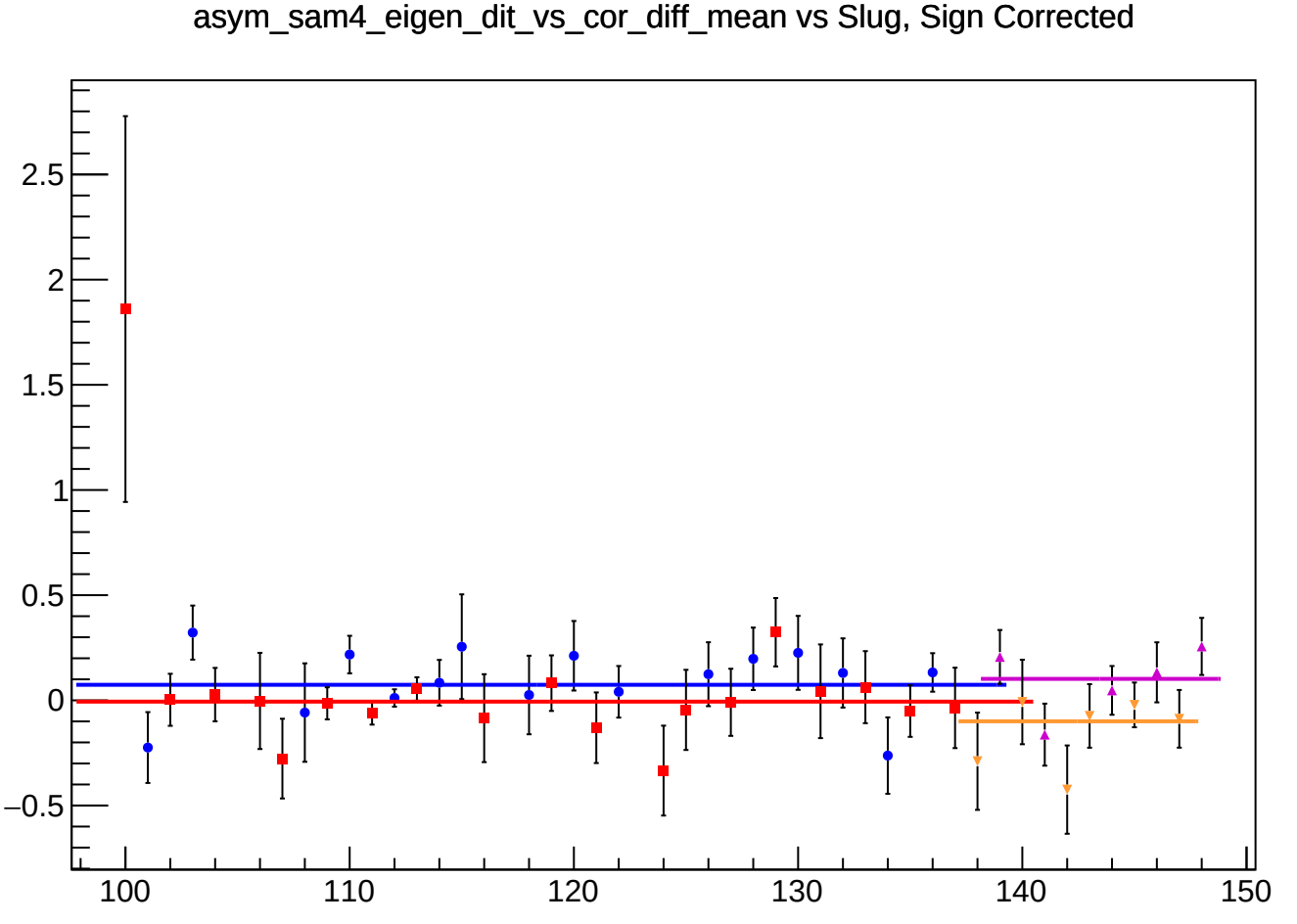
Left: 0.003+/-0.000 χ^2/NDF: 3954607.3/10

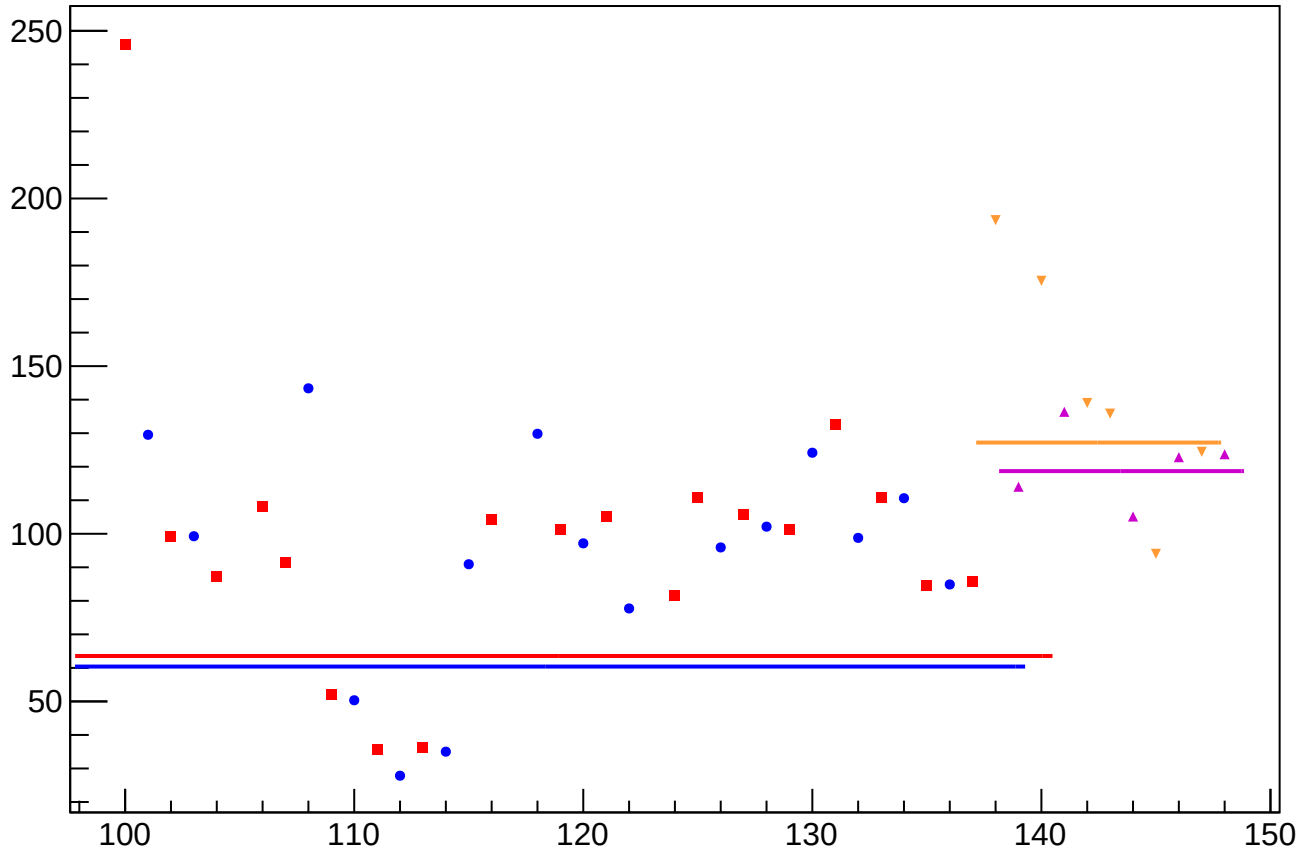
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:3857242.6/20

Out: 0.003+/-0.000 χ^2/NDF:5236412.9/24

All: 0.004+/-0.000 χ^2/NDF: 9265471.0/45


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.100+/-0.063 χ²/NDF:3.9/5
Right Out: -0.006+/-0.027 χ²/NDF: 16.4/18
Left In: 0.102+/-0.059 χ²/NDF:5.5/4
Left: 0.007+/-0.043 χ²/NDF: 14.7/10
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.079+/-0.025 χ²/NDF:24.6/20
Out: -0.020+/-0.025 χ²/NDF:22.1/24
All: 0.029+/-0.017 χ²/NDF: 54.9/45



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

Left: 122.685+/-0.031 χ^2/NDF: 571198.1/10

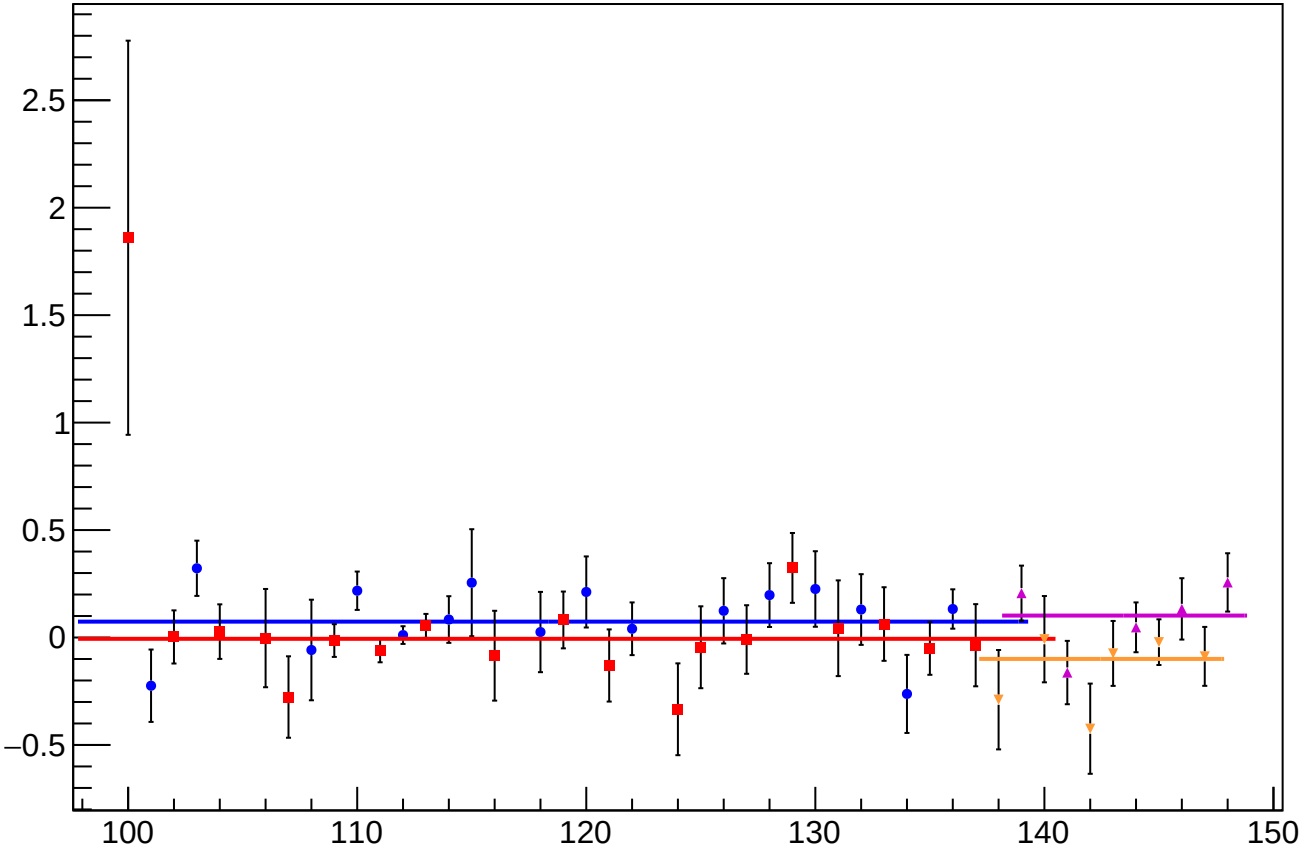
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 70.428+/-0.017 χ^2/NDF:5204068.8/20

Out: 73.316+/-0.017 χ^2/NDF:4870449.0/24

All: 71.866+/-0.012 χ^2/NDF: 10088264.5/45

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: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

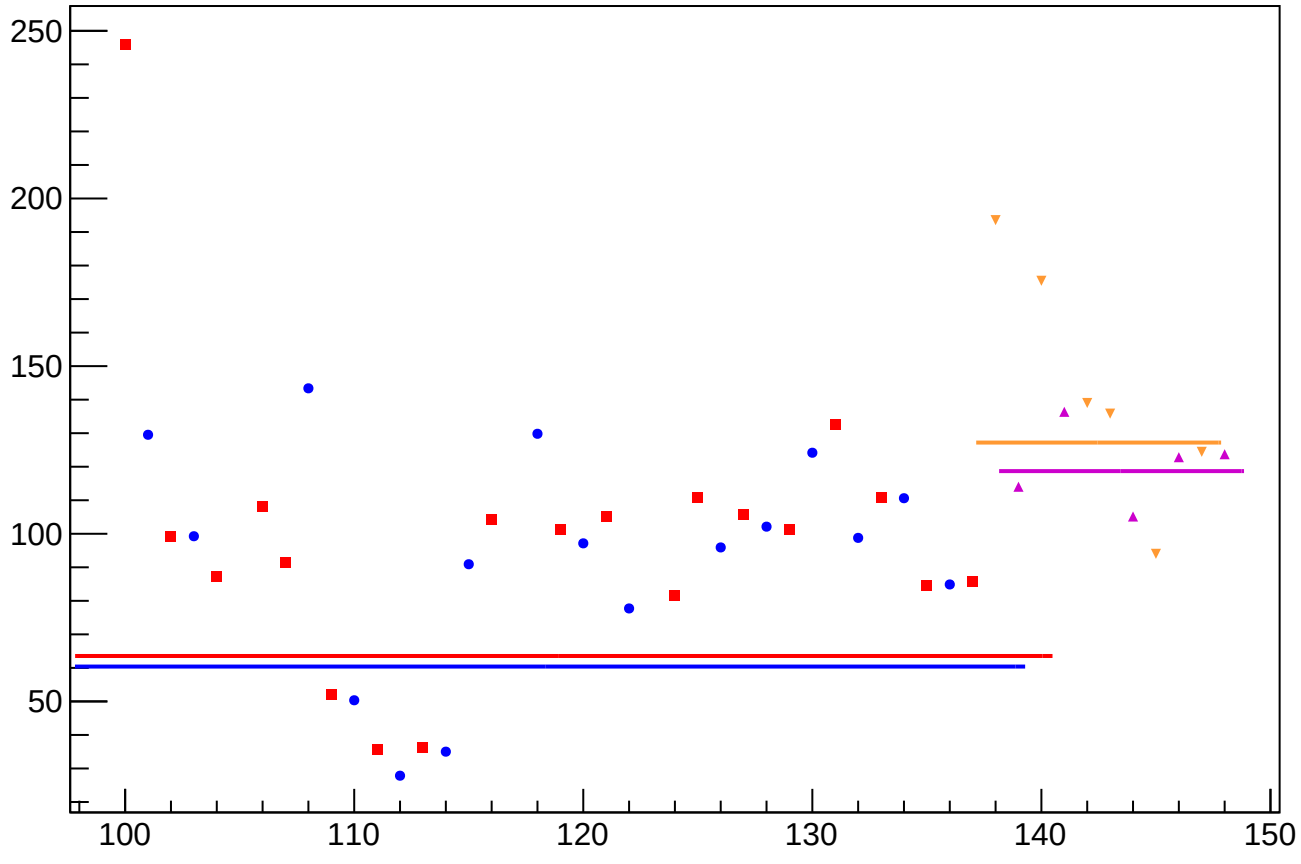
Left: 0.007+/-0.043 χ^2/NDF: 14.7/10

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.079+/-0.025 χ^2/NDF:24.6/20

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.029+/-0.017 χ^2/NDF: 54.9/45



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

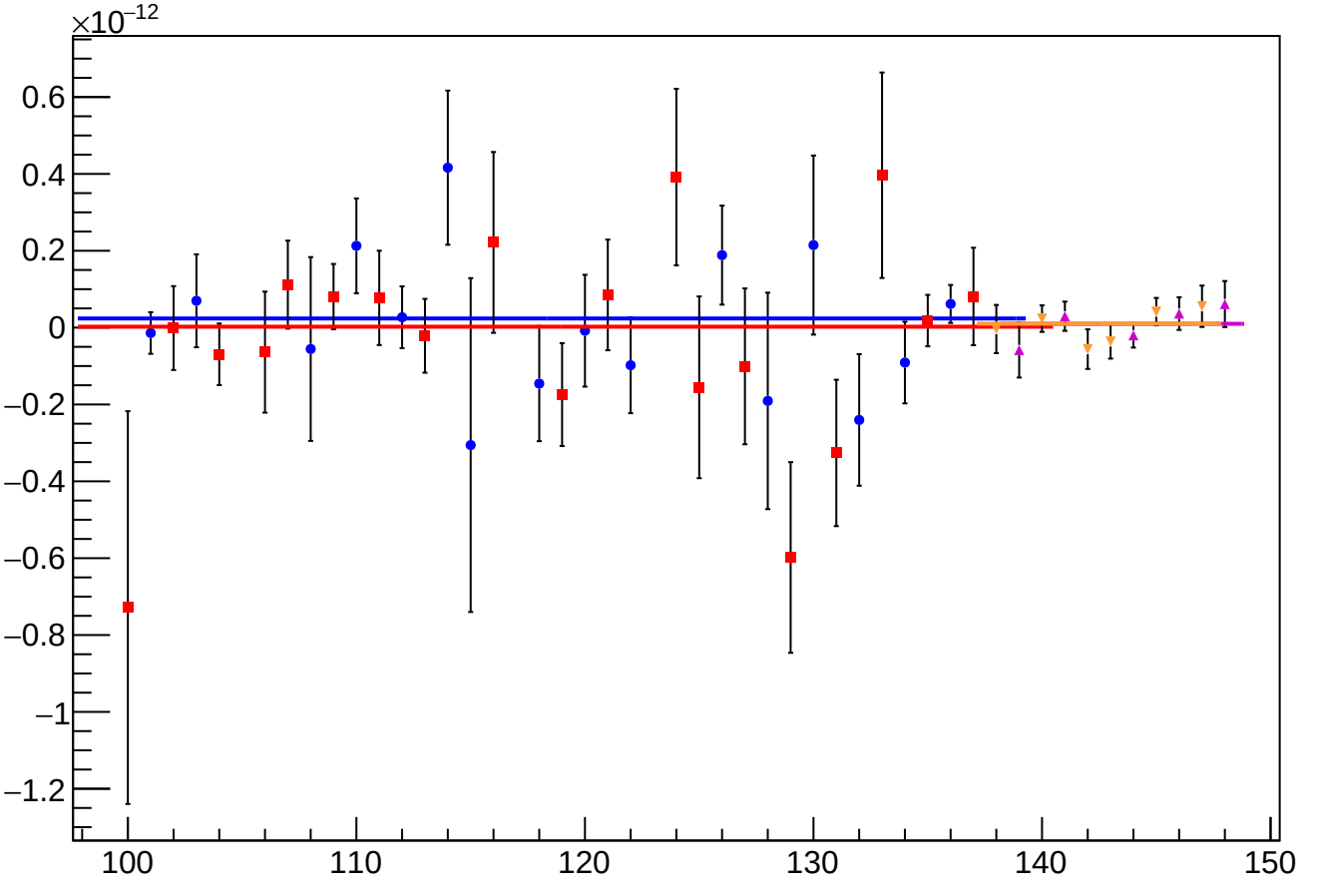
Left: 122.685+/-0.031 χ^2/NDF: 571198.1/10

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 70.428+/-0.017 χ^2/NDF:5204068.8/20

Out: 73.316+/-0.017 χ^2/NDF:4870449.0/24

All: 71.866+/-0.012 χ^2/NDF: 10088264.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/4

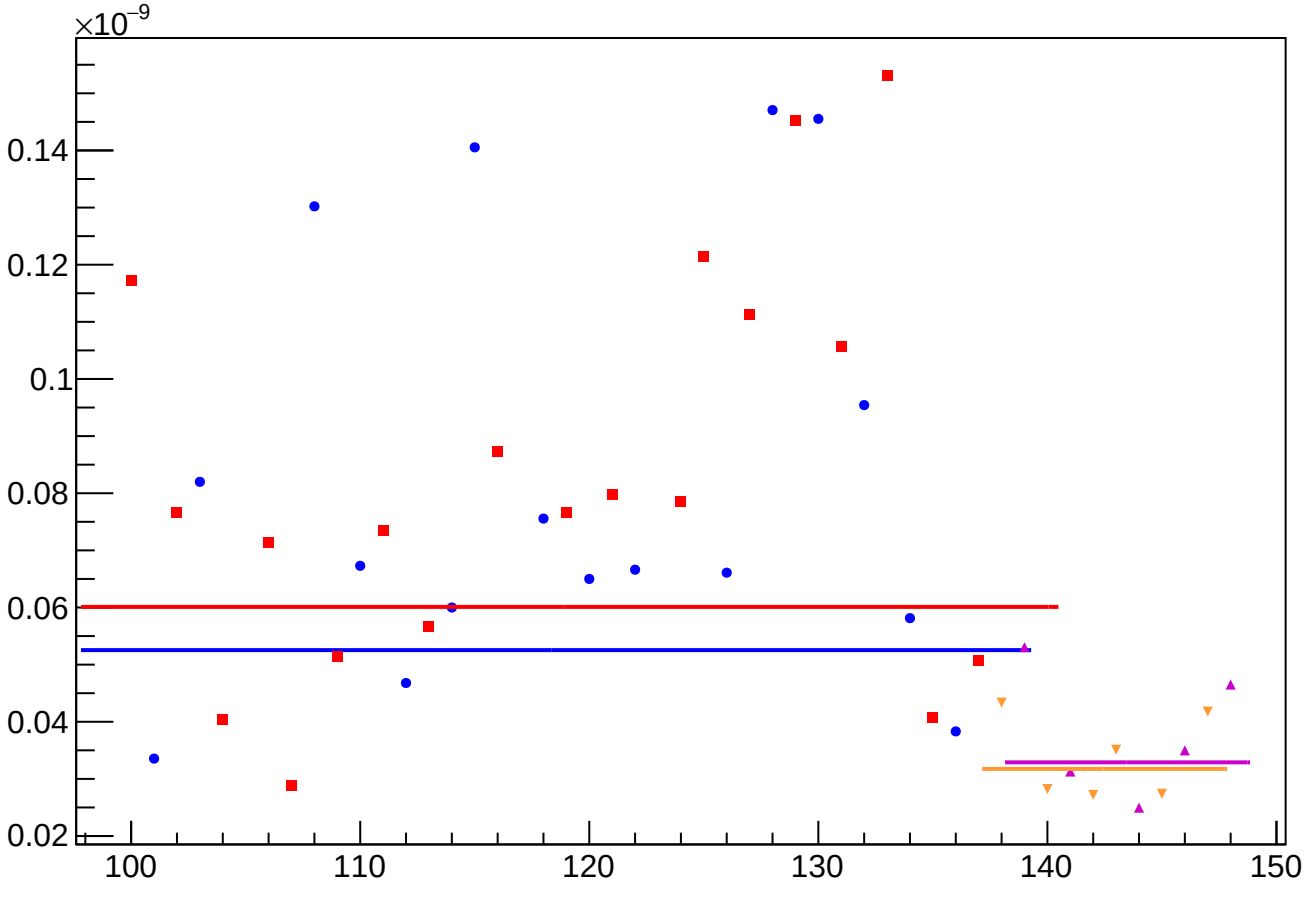
Left: 0.000+/-0.000 χ^2/NDF: 7.6/10

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:20.2/20

Out: 0.000+/-0.000 χ^2/NDF:27.7/24

All: 0.000+/-0.000 χ^2/NDF: 47.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:215480.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:393999.7/4

Left: 0.000+/-0.000 χ^2/NDF: 613289.3/10

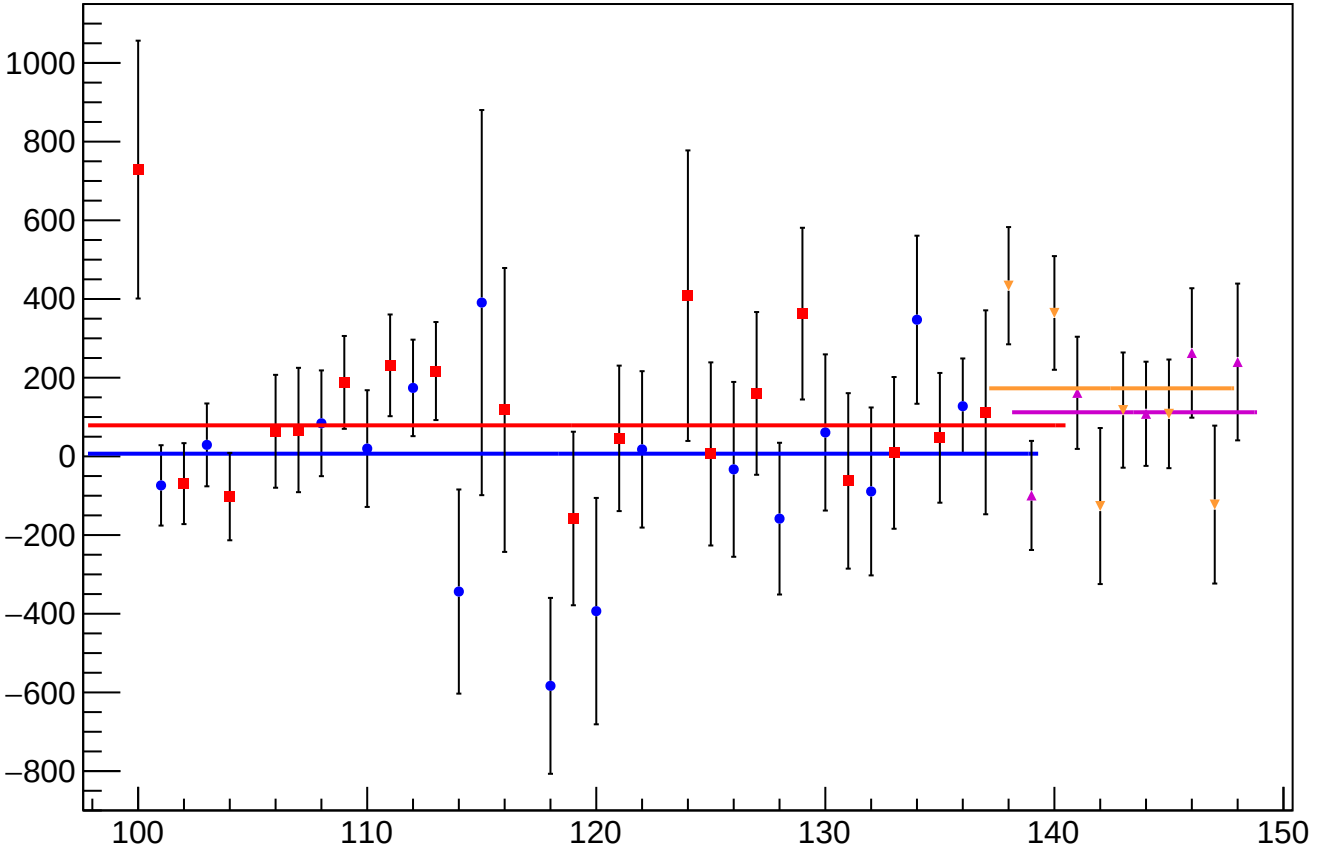
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2773447.3/20

Out: 0.000+/-0.000 χ^2/NDF:3146014.5/24

All: 0.000+/-0.000 χ^2/NDF: 5919534.3/45

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.968+/-64.247 χ^2/NDF:9.6/5

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 112.106+/-67.359 χ^2/NDF:3.7/4

Left: 143.975+/-46.491 χ^2/NDF: 13.8/10

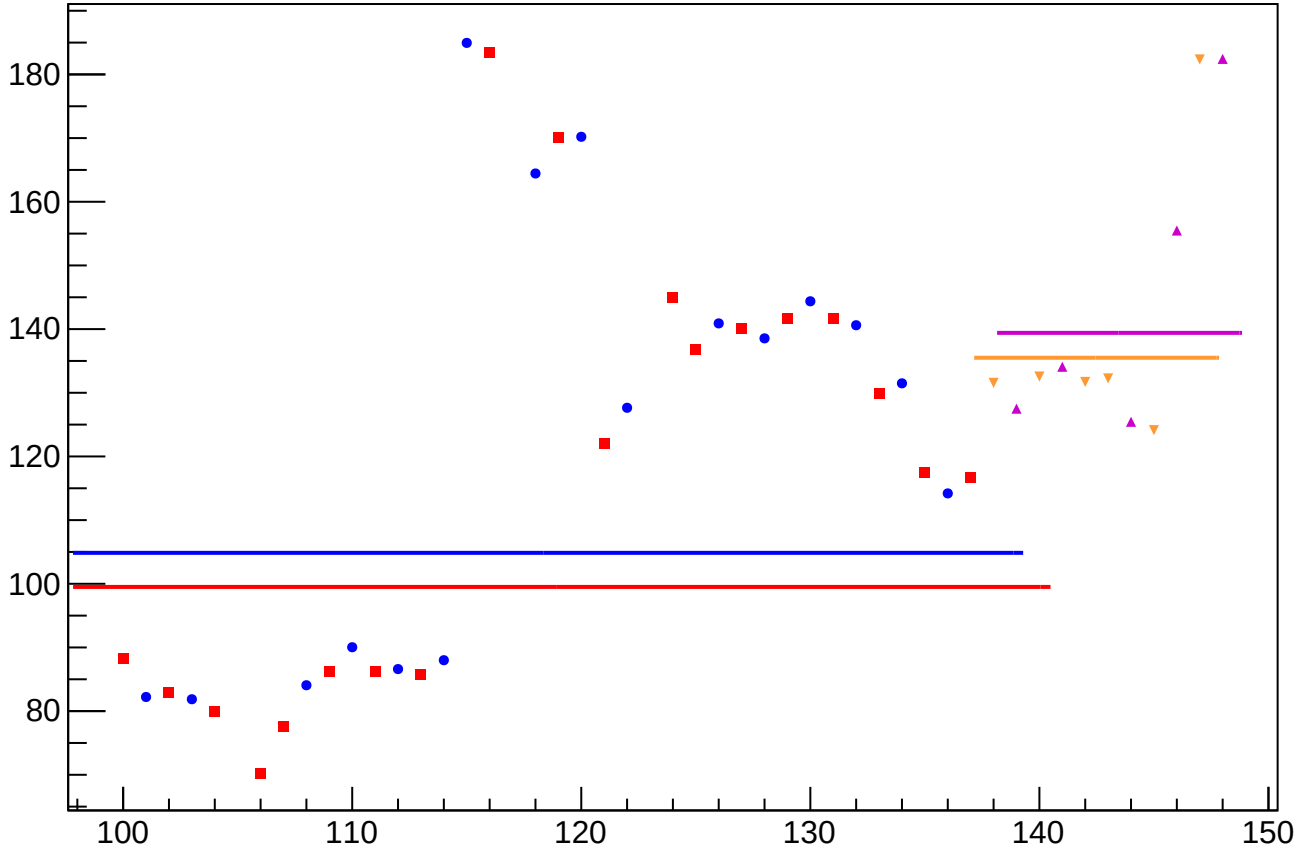
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 34.620+/-34.617 χ^2/NDF:24.3/20

Out: 103.177+/-32.647 χ^2/NDF:27.9/24

All: 70.904+/-23.751 χ^2/NDF: 54.3/45

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

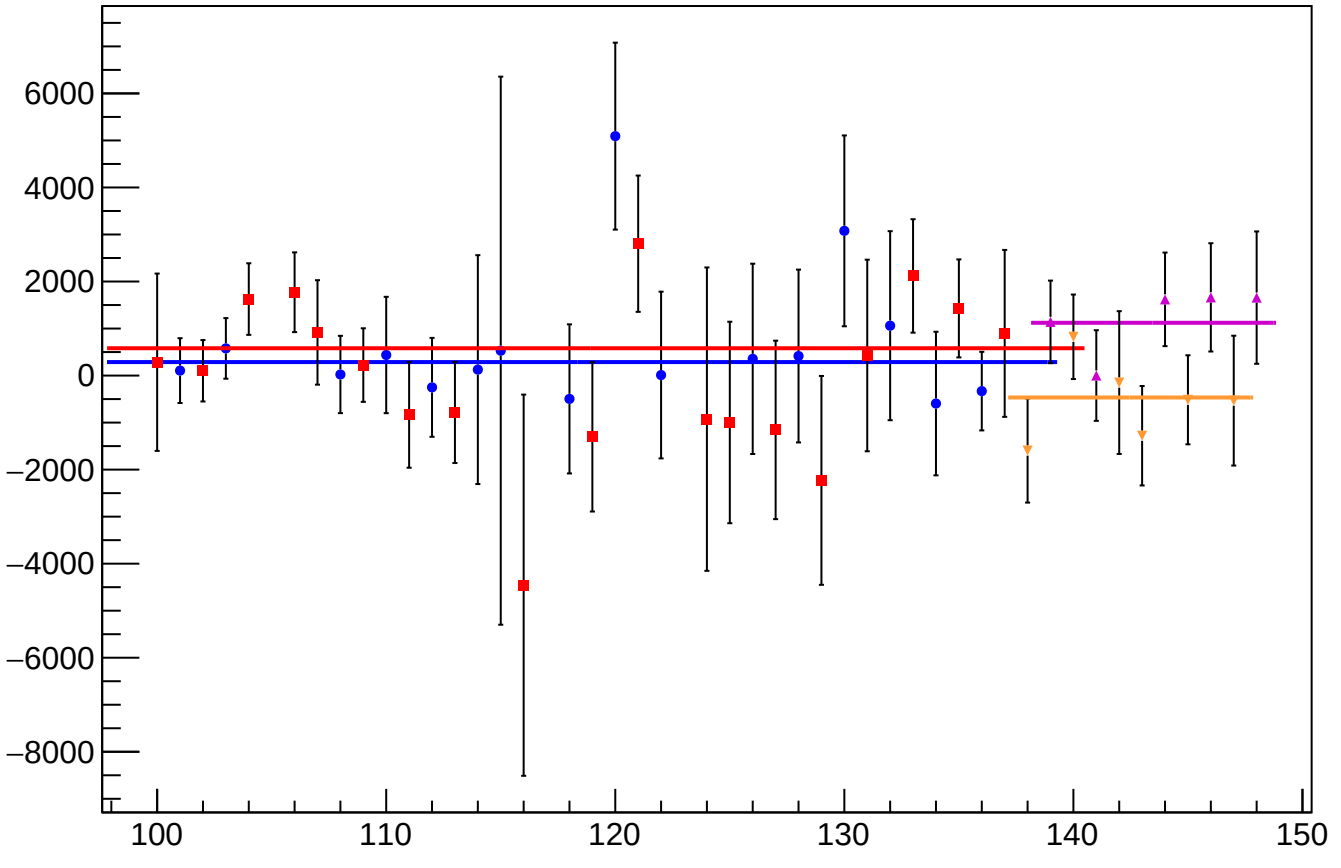
Left: 137.364+/-0.033 χ^2/NDF: 282214.9/10

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 113.985+/-0.024 χ^2/NDF:1470631.5/20

Out: 108.802+/-0.023 χ^2/NDF:1631209.2/24

All: 111.242+/-0.017 χ^2/NDF: 3125569.9/45



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -466.421+/-446.131 χ^2/NDF:3.7/5

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 1122.283+/-464.018 χ^2/NDF:2.0/4

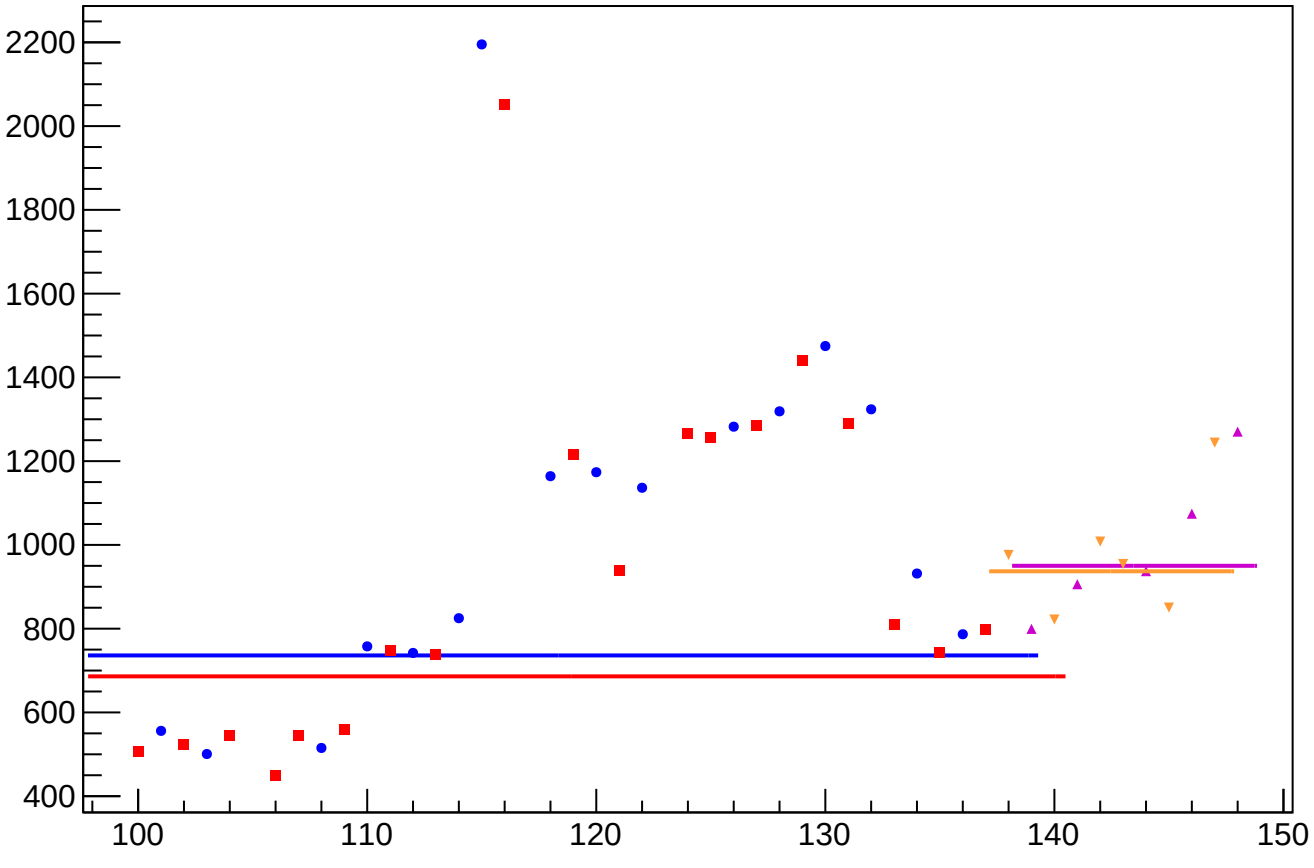
Left: 296.720+/-321.600 χ^2/NDF: 11.8/10

Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 525.595+/-248.030 χ^2/NDF:14.0/20

Out: 300.708+/-230.850 χ^2/NDF:26.5/24

All: 405.094+/-168.983 χ^2/NDF: 41.0/45



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.1/5

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 950.106+/-0.328 χ^2/NDF:190396.6/4

Left: 943.298+/-0.227 χ^2/NDF: 347240.2/10

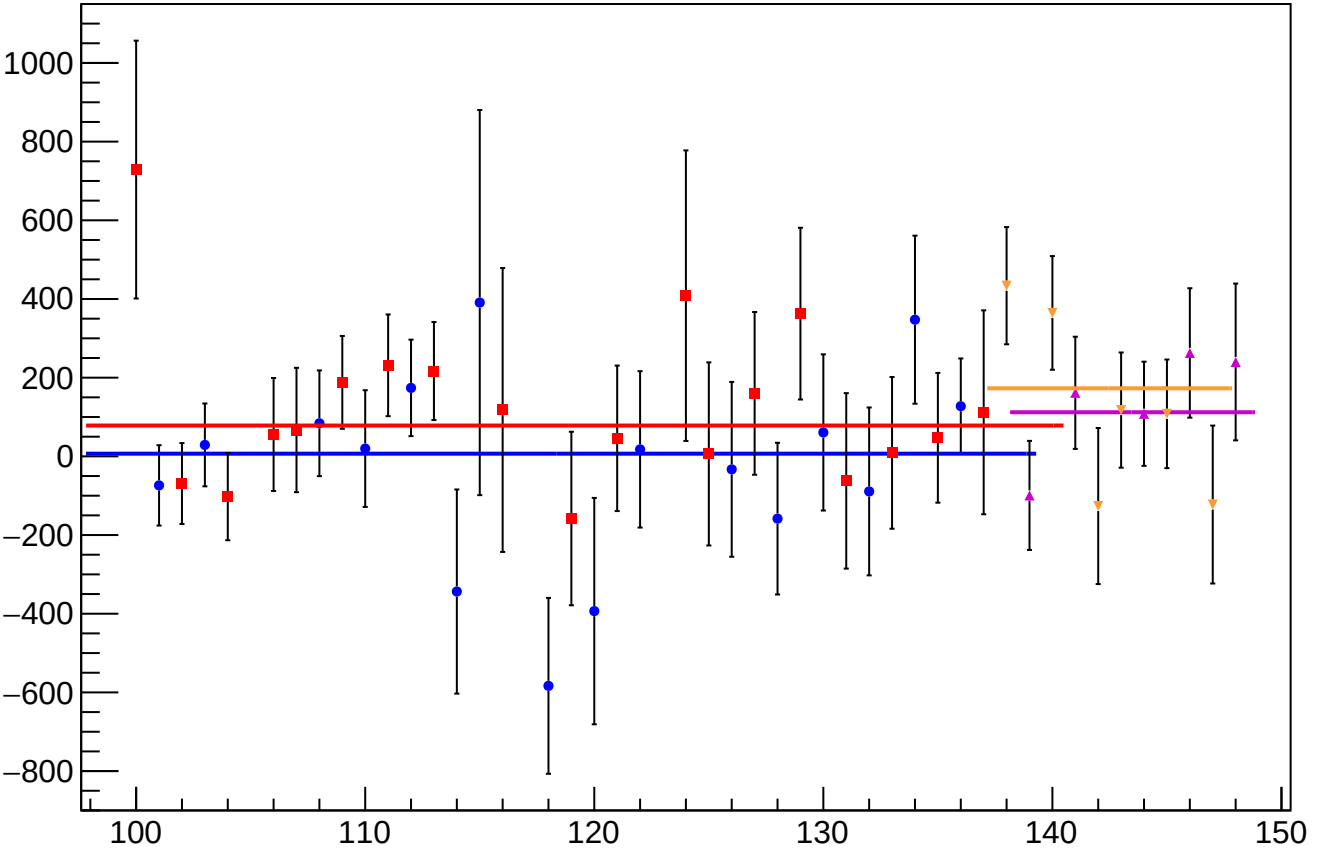
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 797.234+/-0.175 χ^2/NDF:2338805.2/20

Out: 753.287+/-0.163 χ^2/NDF:2438375.7/24

All: 773.686+/-0.119 χ^2/NDF: 4810824.9/45

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.981+/-64.247 χ^2/NDF:9.6/5

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 112.111+/-67.359 χ^2/NDF:3.7/4

Left: 143.984+/-46.491 χ^2/NDF: 13.8/10

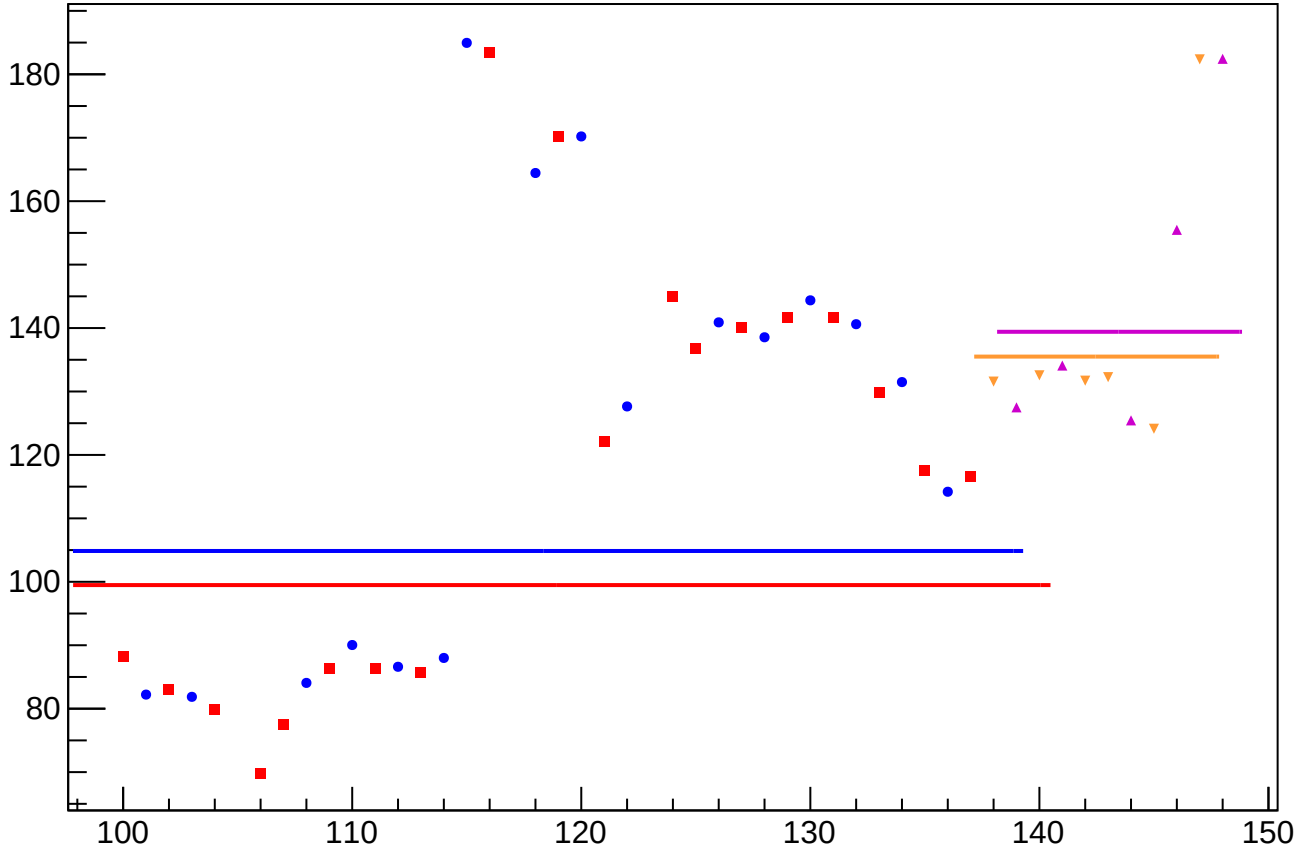
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 34.613+/-34.617 χ^2/NDF:24.3/20

Out: 102.786+/-32.649 χ^2/NDF:27.9/24

All: 70.692+/-23.751 χ^2/NDF: 54.3/45

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

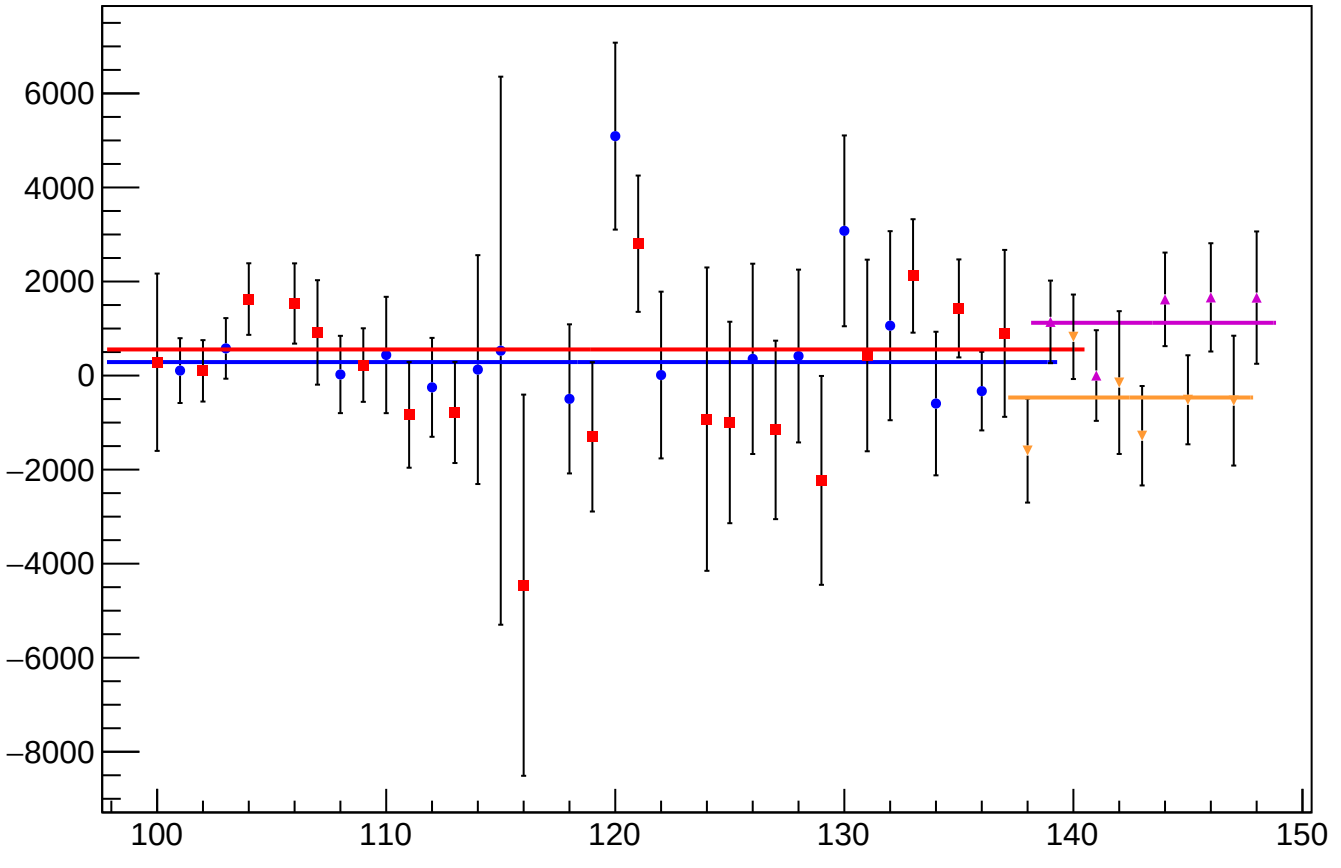
Left: 137.364+/-0.033 χ^2/NDF: 282214.9/10

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 113.985+/-0.024 χ^2/NDF:1470630.4/20

Out: 108.785+/-0.023 χ^2/NDF:1633997.3/24

All: 111.233+/-0.017 χ^2/NDF: 3128509.4/45



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -466.410+/-446.131 χ^2/NDF:3.7/5

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1122.281+/-464.018 χ^2/NDF:2.0/4

Left: 296.724+/-321.600 χ^2/NDF: 11.8/10

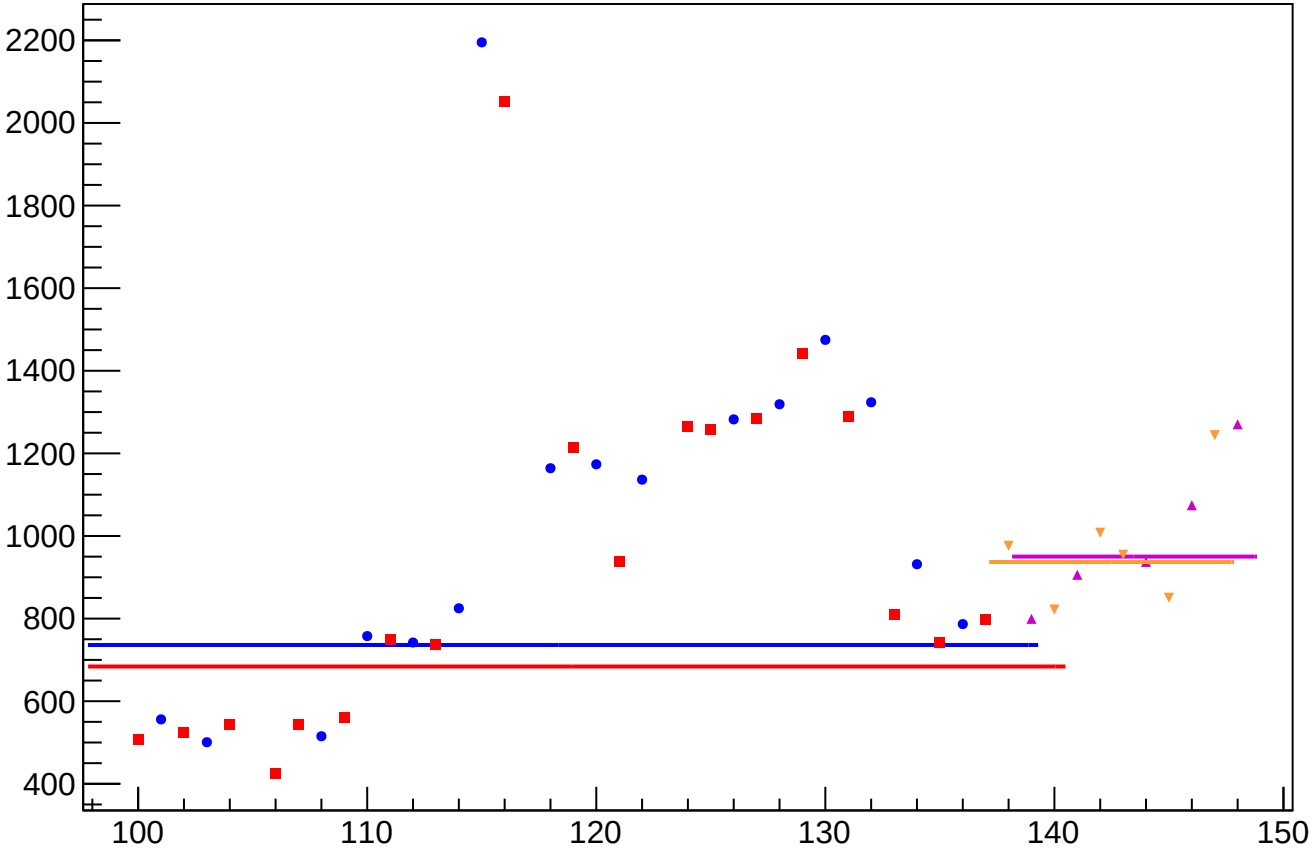
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 525.596+/-248.030 χ^2/NDF:14.0/20

Out: 281.568+/-230.962 χ^2/NDF:25.6/24

All: 394.897+/-169.027 χ^2/NDF: 40.1/45

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.3/5

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

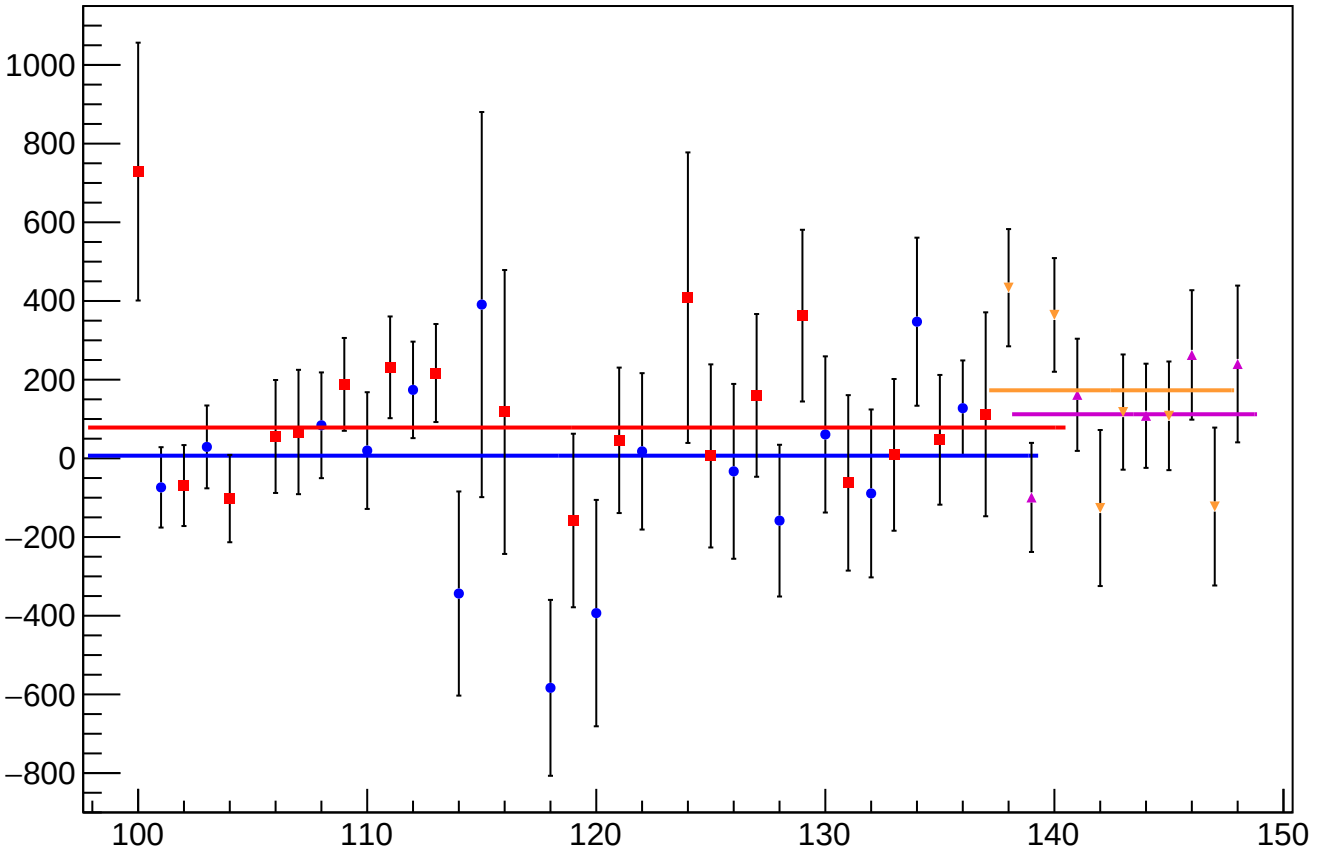
Left: 943.298+/-0.227 χ^2/NDF: 347240.6/10

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 797.234+/-0.175 χ^2/NDF:2338809.2/20

Out: 751.795+/-0.163 χ^2/NDF:2477323.6/24

All: 772.897+/-0.120 χ^2/NDF: 4852083.8/45



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.981+/-64.247 χ^2/NDF:9.6/5

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 112.111+/-67.359 χ^2/NDF:3.7/4

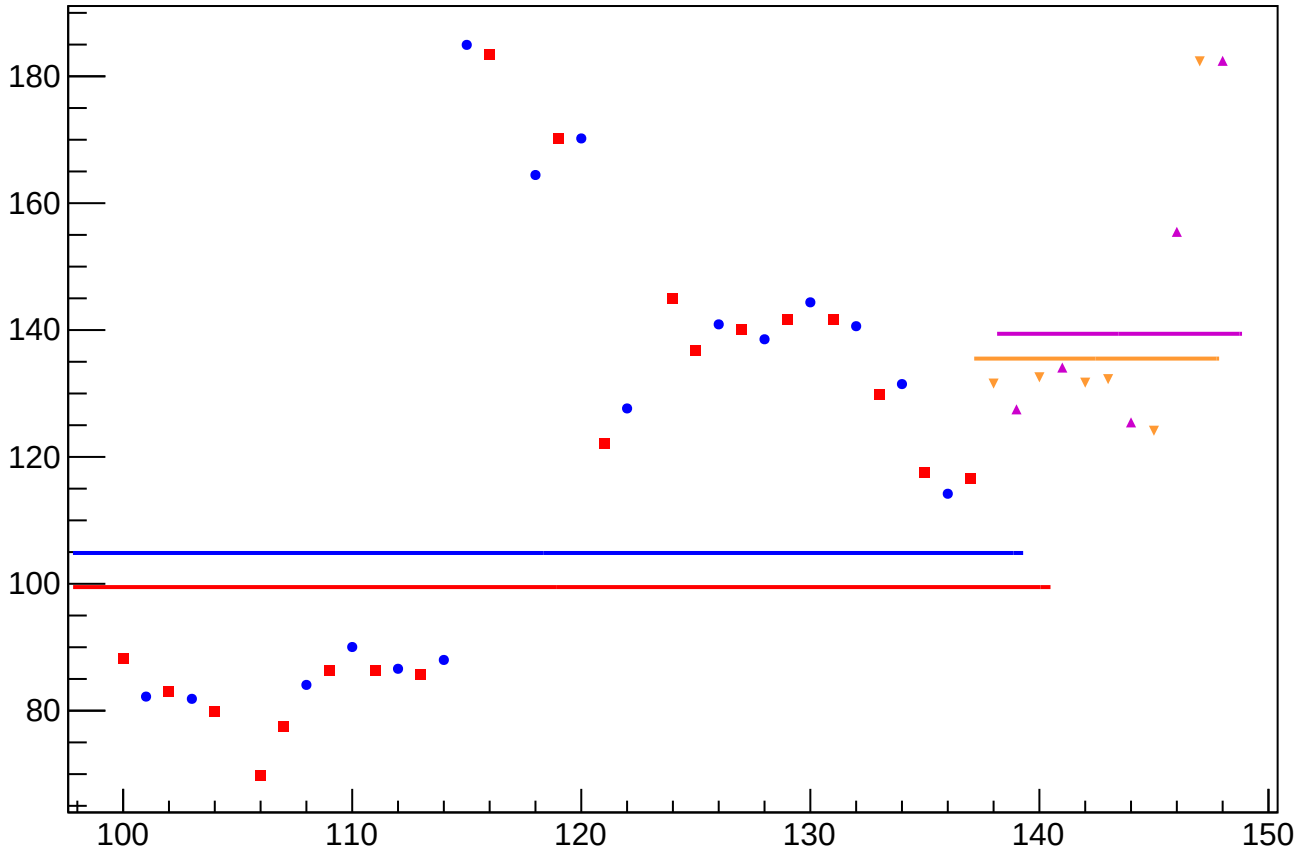
Left: 143.984+/-46.491 χ^2/NDF: 13.8/10

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 34.613+/-34.617 χ^2/NDF:24.3/20

Out: 102.786+/-32.649 χ^2/NDF:27.9/24

All: 70.692+/-23.751 χ^2/NDF: 54.3/45



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

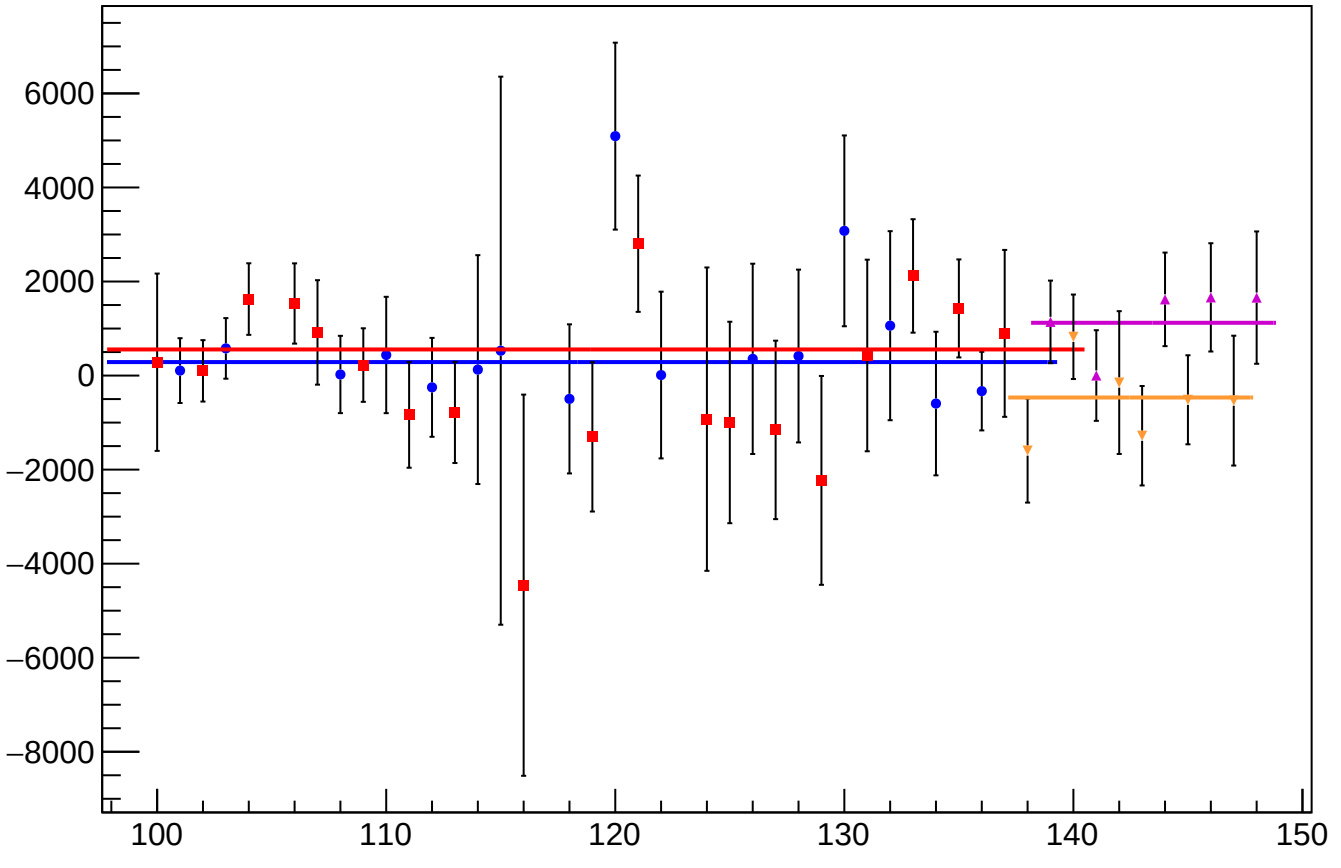
Left: 137.364+/-0.033 χ^2/NDF: 282214.9/10

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 113.985+/-0.024 χ^2/NDF:1470630.4/20

Out: 108.785+/-0.023 χ^2/NDF:1633997.3/24

All: 111.233+/-0.017 χ^2/NDF: 3128509.4/45



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -466.410+/-446.131 χ^2/NDF:3.7/5

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1122.281+/-464.018 χ^2/NDF:2.0/4

Left: 296.724+/-321.600 χ^2/NDF: 11.8/10

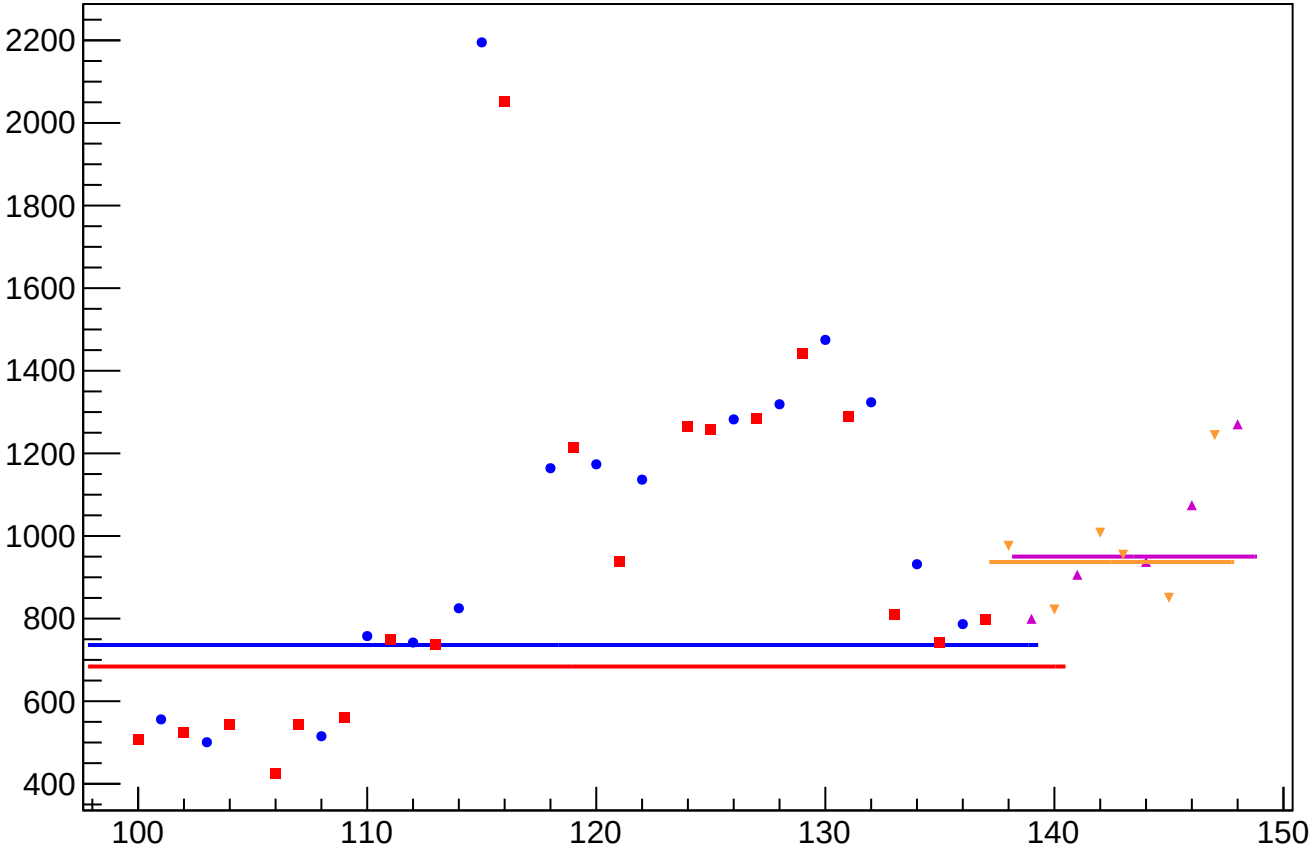
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 525.596+/-248.030 χ^2/NDF:14.0/20

Out: 281.568+/-230.962 χ^2/NDF:25.6/24

All: 394.897+/-169.027 χ^2/NDF: 40.1/45

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.3/5

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

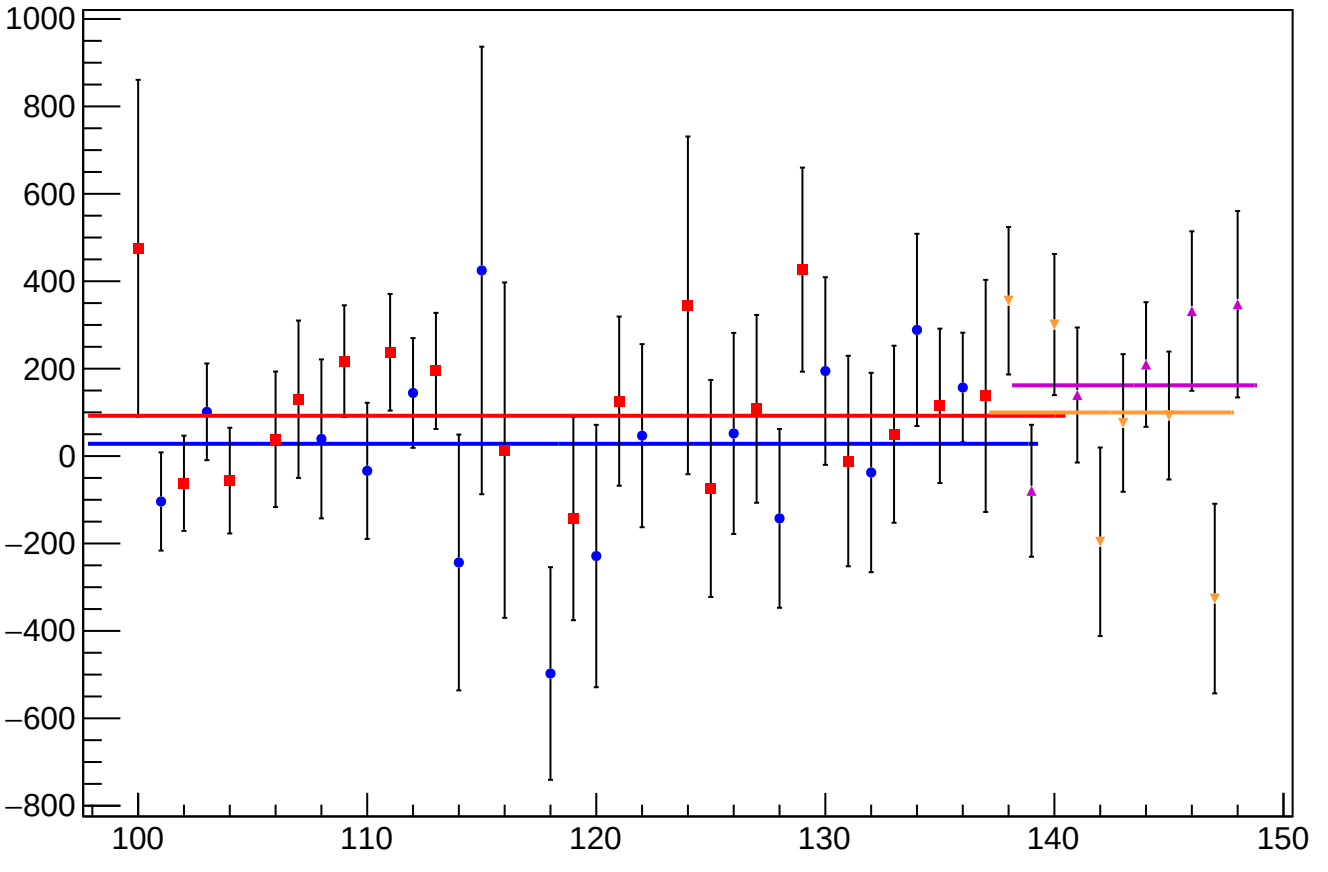
Left: 943.298+/-0.227 χ^2/NDF: 347240.6/10

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 797.234+/-0.175 χ^2/NDF:2338809.2/20

Out: 751.795+/-0.163 χ^2/NDF:2477323.6/24

All: 772.897+/-0.120 χ^2/NDF: 4852083.8/45



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 99.721+/-70.131 χ^2/NDF:9.6/5

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 161.903+/-73.128 χ^2/NDF:4.3/4

Left: 129.512+/-50.616 χ^2/NDF: 14.3/10

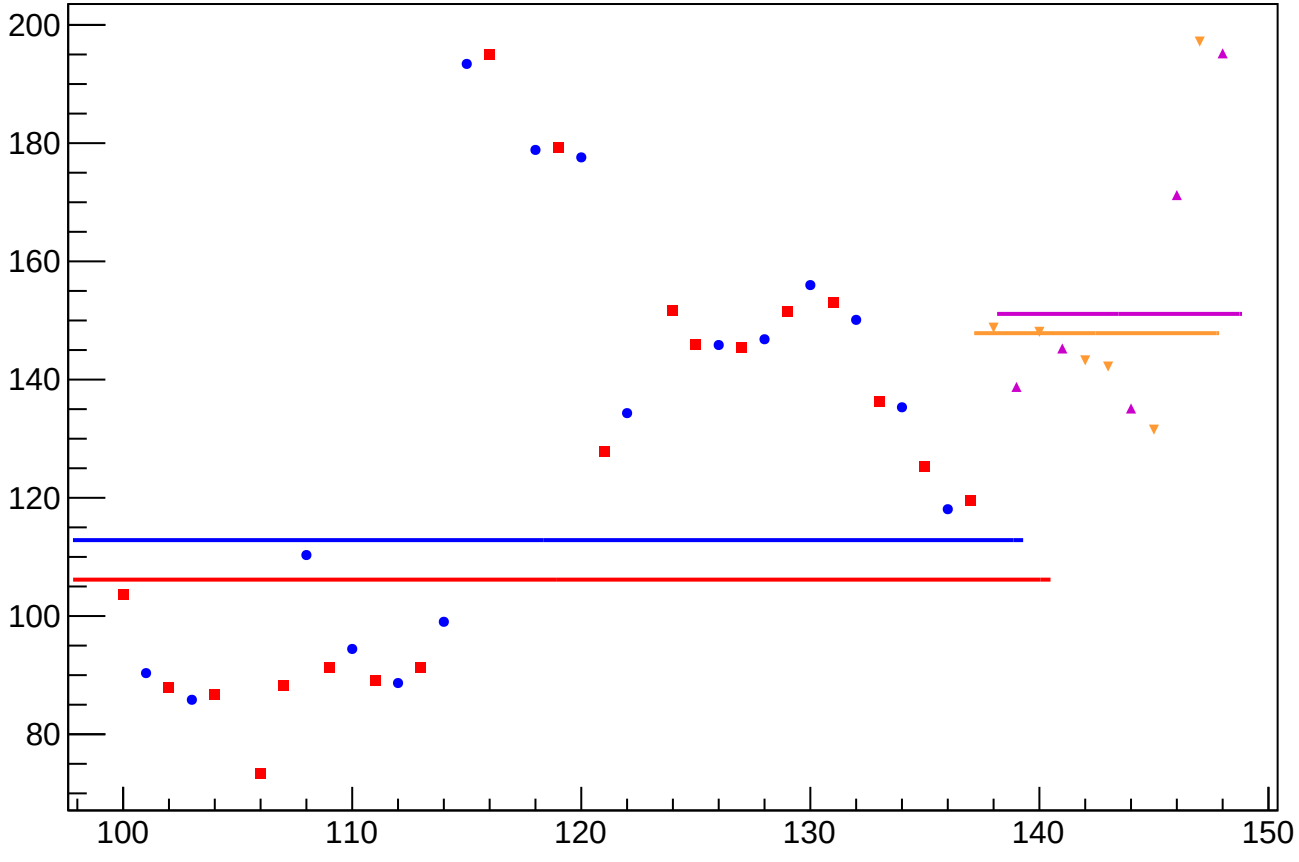
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 62.994+/-37.347 χ^2/NDF:20.3/20

Out: 94.119+/-35.097 χ^2/NDF:21.3/24

All: 79.522+/-25.576 χ^2/NDF: 42.0/45

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 147.853+/-0.050 χ^2/NDF:131869.4/5

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 151.115+/-0.052 χ^2/NDF:151194.4/4

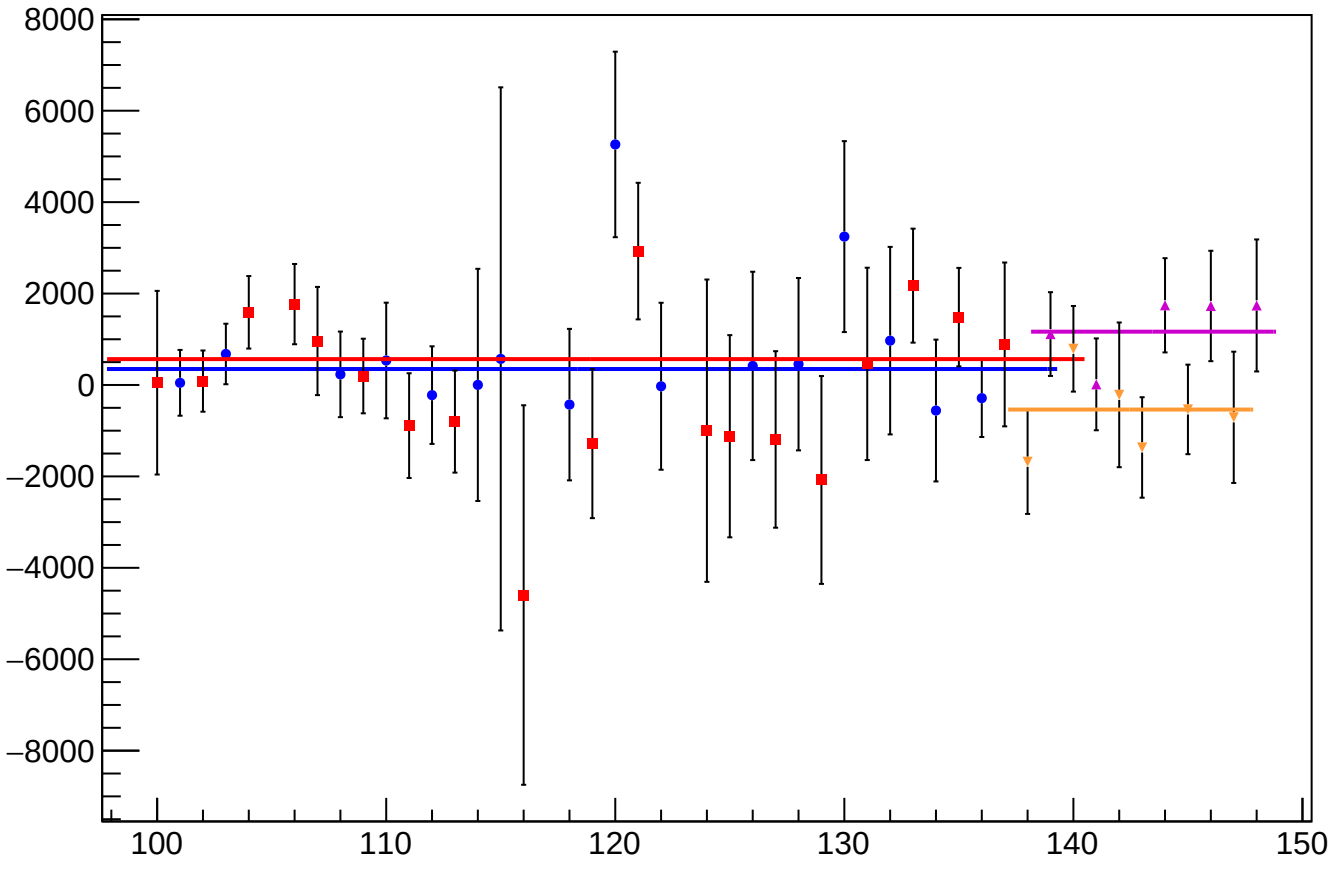
Left: 149.416+/-0.036 χ^2/NDF: 285136.7/10

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 122.825+/-0.026 χ^2/NDF:1428366.7/20

Out: 116.601+/-0.025 χ^2/NDF:1663890.8/24

All: 119.520+/-0.018 χ^2/NDF: 3121753.9/45



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -537.632+/-463.155 χ^2/NDF:3.6/5

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 1166.105+/-482.922 χ^2/NDF:2.0/4

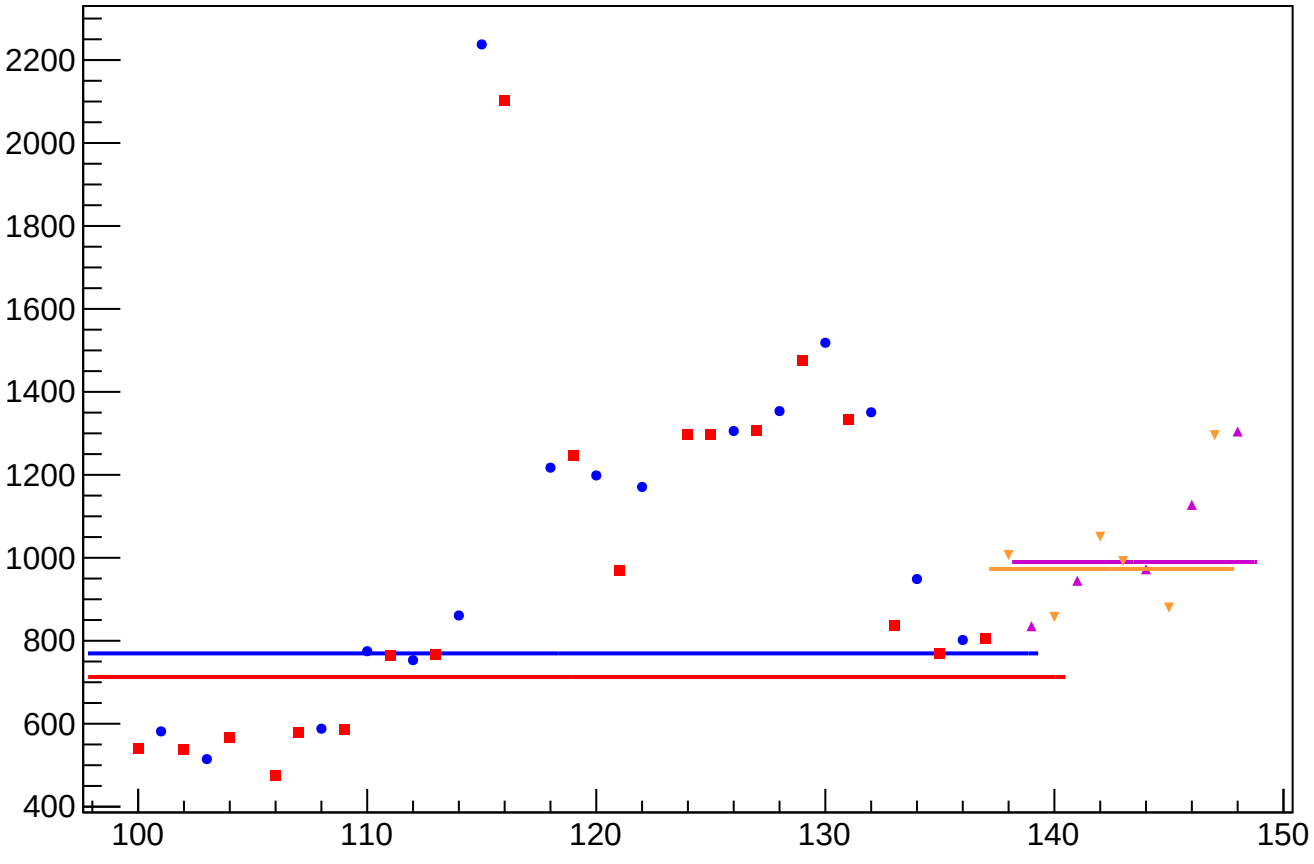
Left: 278.655+/-334.270 χ^2/NDF: 12.1/10

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 582.431+/-258.073 χ^2/NDF:13.9/20

Out: 271.832+/-239.125 χ^2/NDF:26.1/24

All: 415.312+/-175.404 χ^2/NDF: 40.7/45



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 973.153+/-0.327 χ^2/NDF:156591.2/5

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 989.857+/-0.341 χ^2/NDF:182615.6/4

Left: 981.156+/-0.236 χ^2/NDF: 340453.3/10

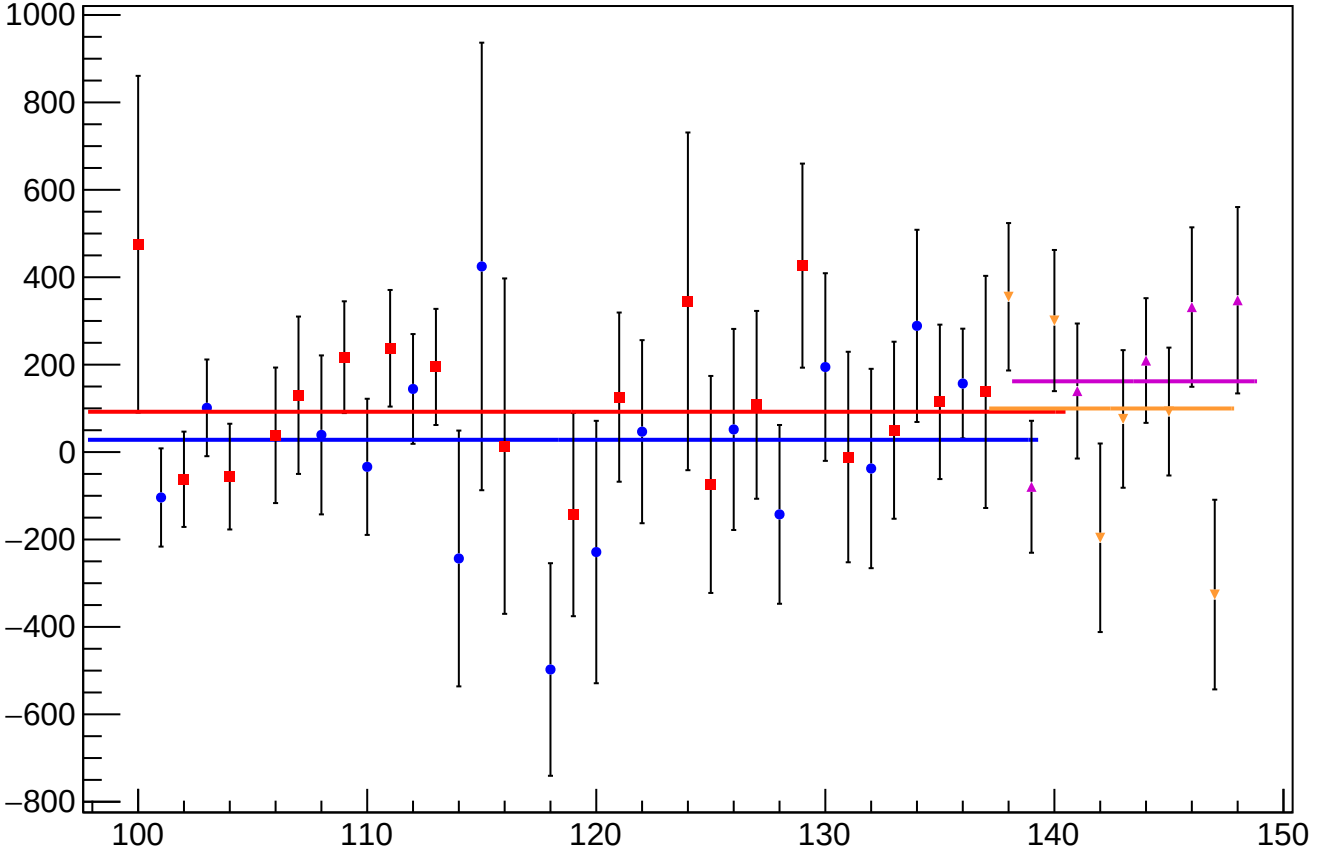
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 832.471+/-0.182 χ^2/NDF:2219895.7/20

Out: 782.074+/-0.169 χ^2/NDF:2387945.0/24

All: 805.355+/-0.124 χ^2/NDF: 4648877.7/45

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 99.722+/-70.131 χ^2/NDF:9.6/5

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 161.905+/-73.128 χ^2/NDF:4.3/4

Left: 129.513+/-50.617 χ^2/NDF: 14.3/10

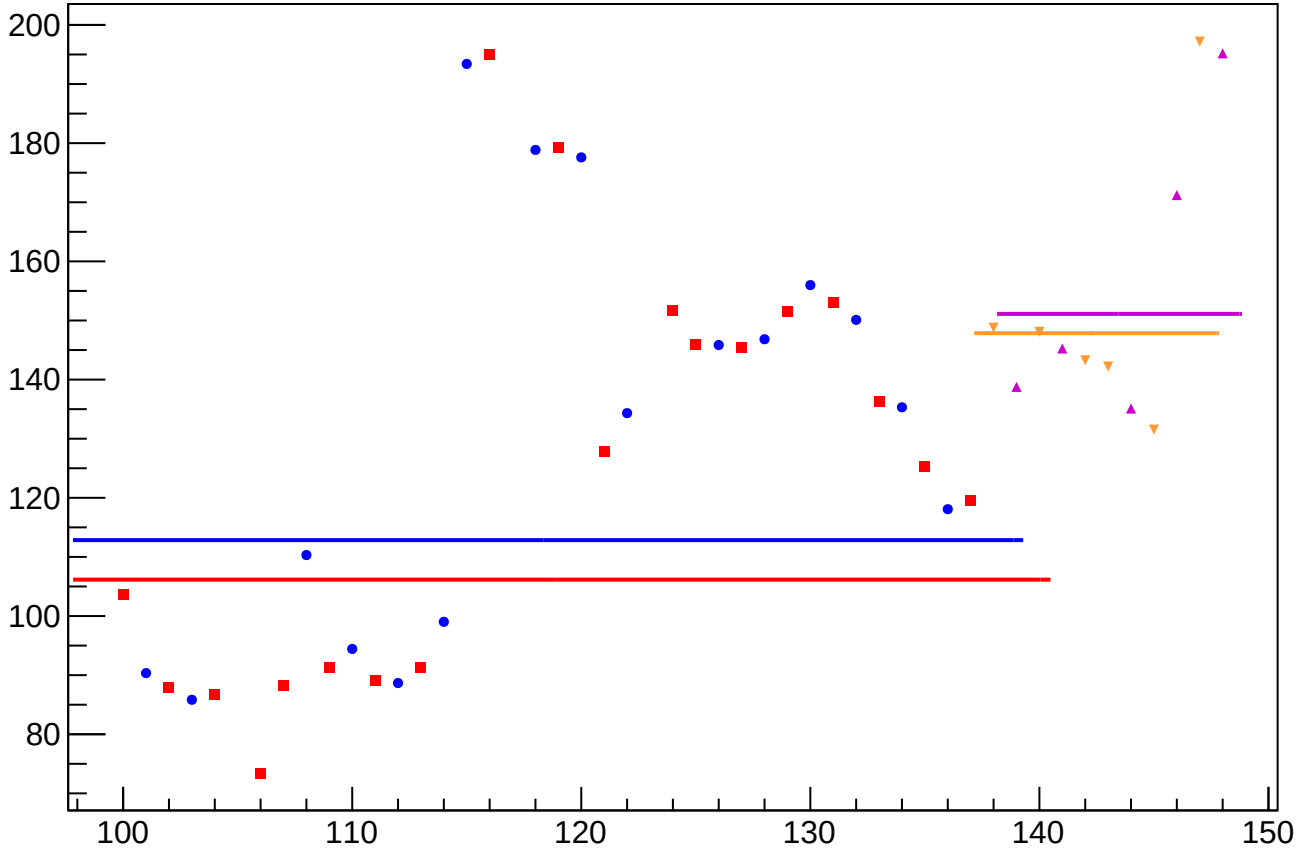
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 62.993+/-37.347 χ^2/NDF:20.3/20

Out: 94.119+/-35.097 χ^2/NDF:21.3/24

All: 79.522+/-25.576 χ^2/NDF: 42.0/45

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 147.854+/-0.050 χ^2/NDF:131872.5/5

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 151.116+/-0.052 χ^2/NDF:151195.0/4

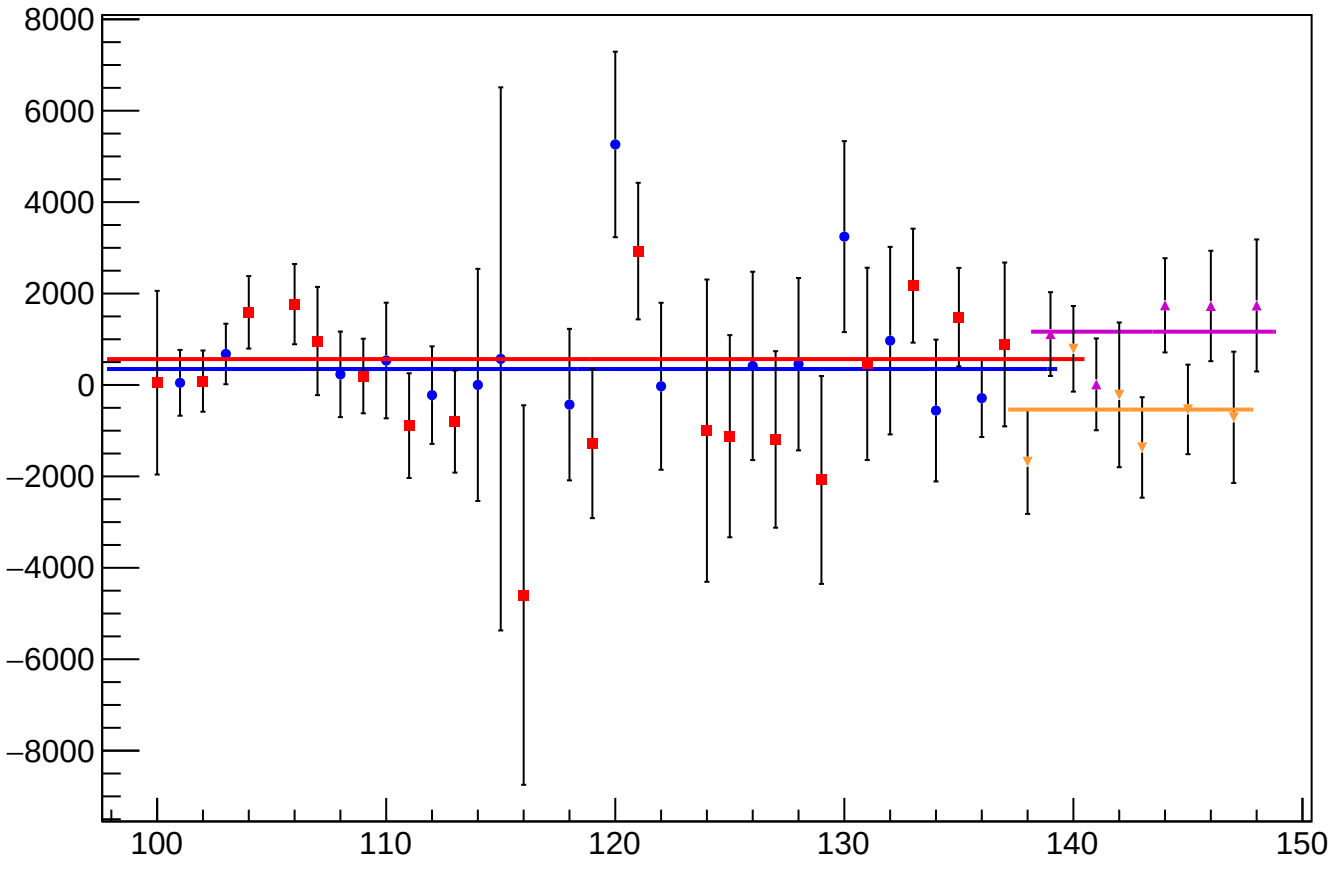
Left: 149.417+/-0.036 χ^2/NDF: 285140.7/10

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 122.825+/-0.026 χ^2/NDF:1428378.2/20

Out: 116.601+/-0.025 χ^2/NDF:1663894.6/24

All: 119.520+/-0.018 χ^2/NDF: 3121769.0/45



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -537.632+/-463.156 χ^2/NDF:3.6/5

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 1166.108+/-482.923 χ^2/NDF:2.0/4

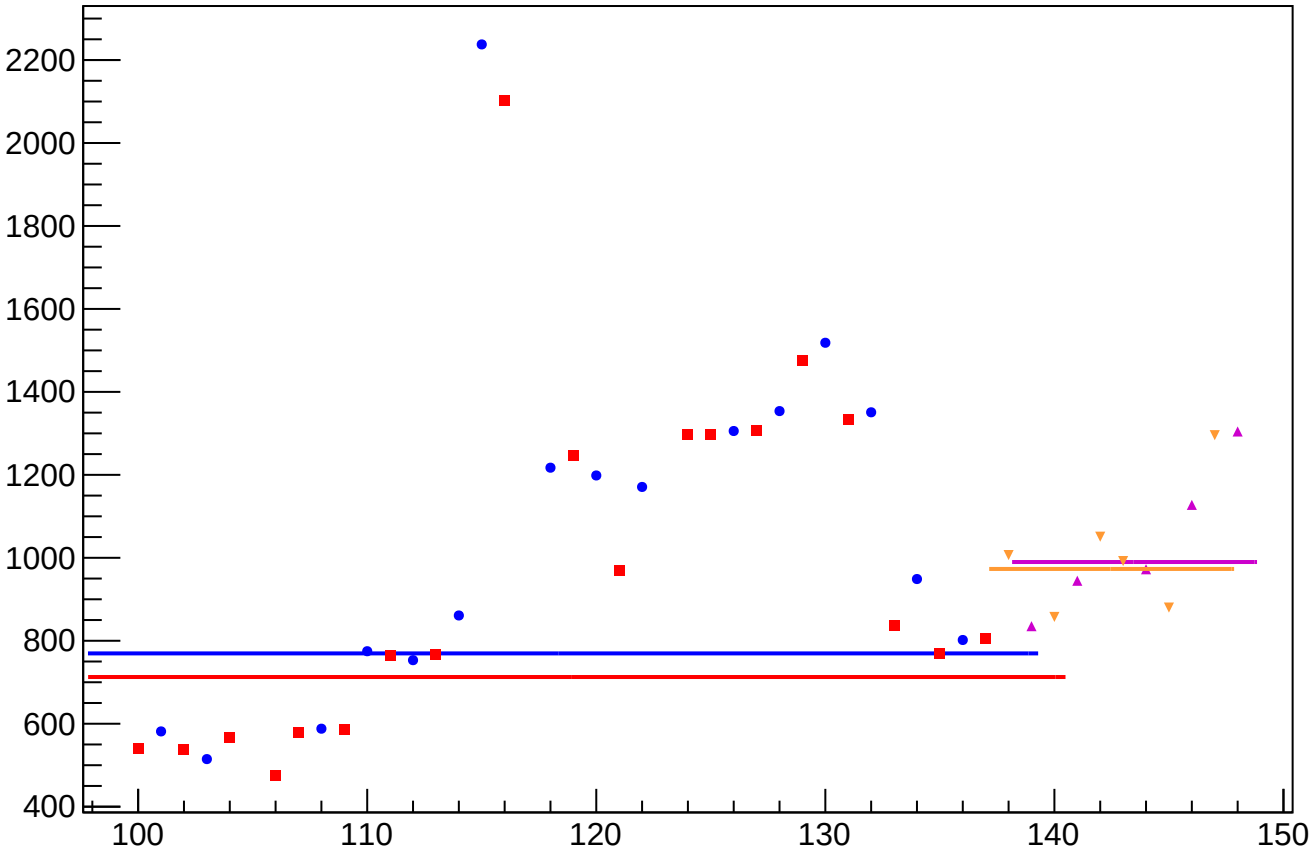
Left: 278.656+/-334.270 χ^2/NDF: 12.1/10

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 582.430+/-258.073 χ^2/NDF:13.9/20

Out: 271.834+/-239.125 χ^2/NDF:26.1/24

All: 415.313+/-175.403 χ^2/NDF: 40.7/45



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 973.154+/-0.328 χ^2/NDF:156591.3/5

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 989.860+/-0.341 χ^2/NDF:182615.7/4

Left: 981.158+/-0.236 χ^2/NDF: 340453.6/10

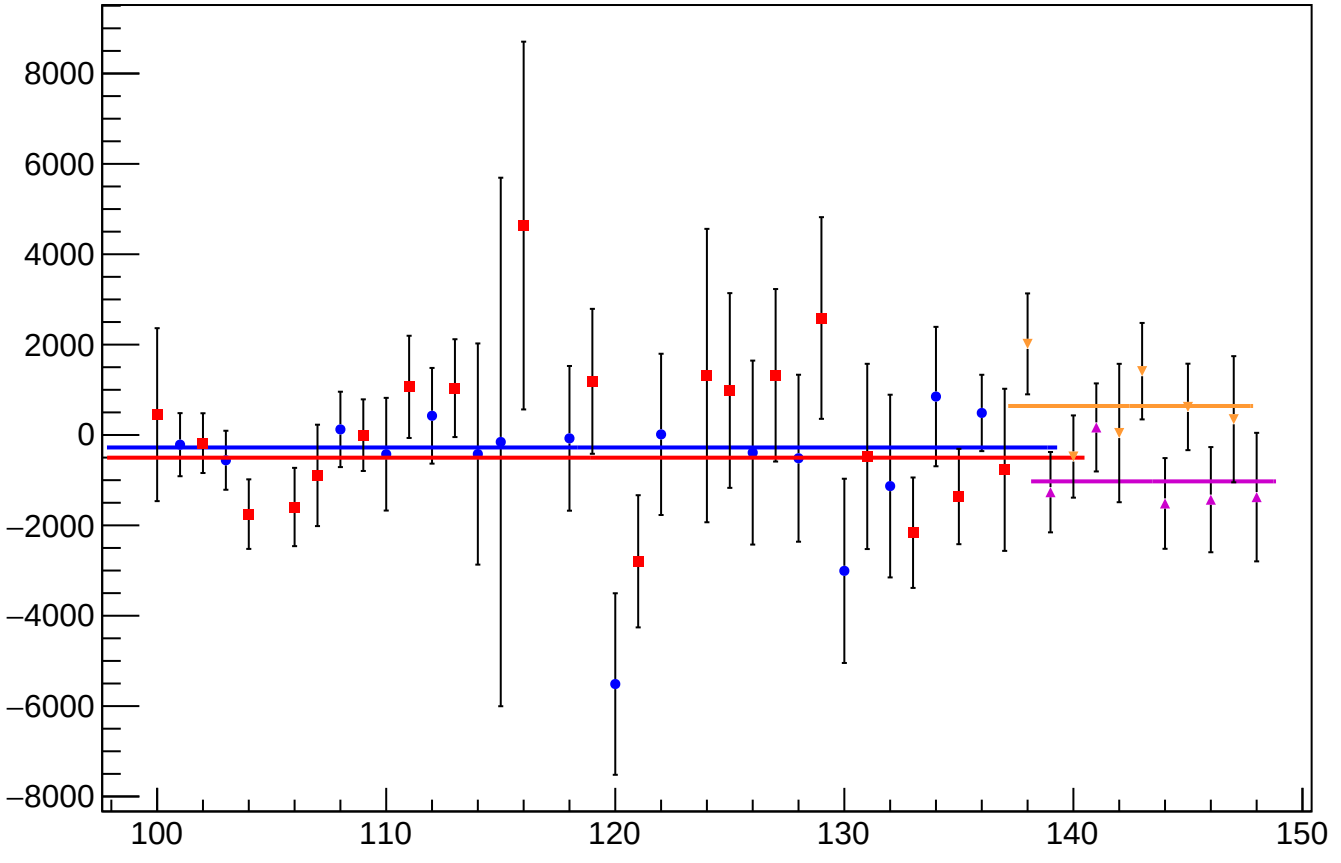
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 832.471+/-0.182 χ^2/NDF:2219900.9/20

Out: 782.074+/-0.169 χ^2/NDF:2387947.1/24

All: 805.354+/-0.124 χ^2/NDF: 4648885.3/45

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 641.775+/-450.904 χ^2/NDF:3.7/5

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -1026.609+/-469.180 χ^2/NDF:2.0/4

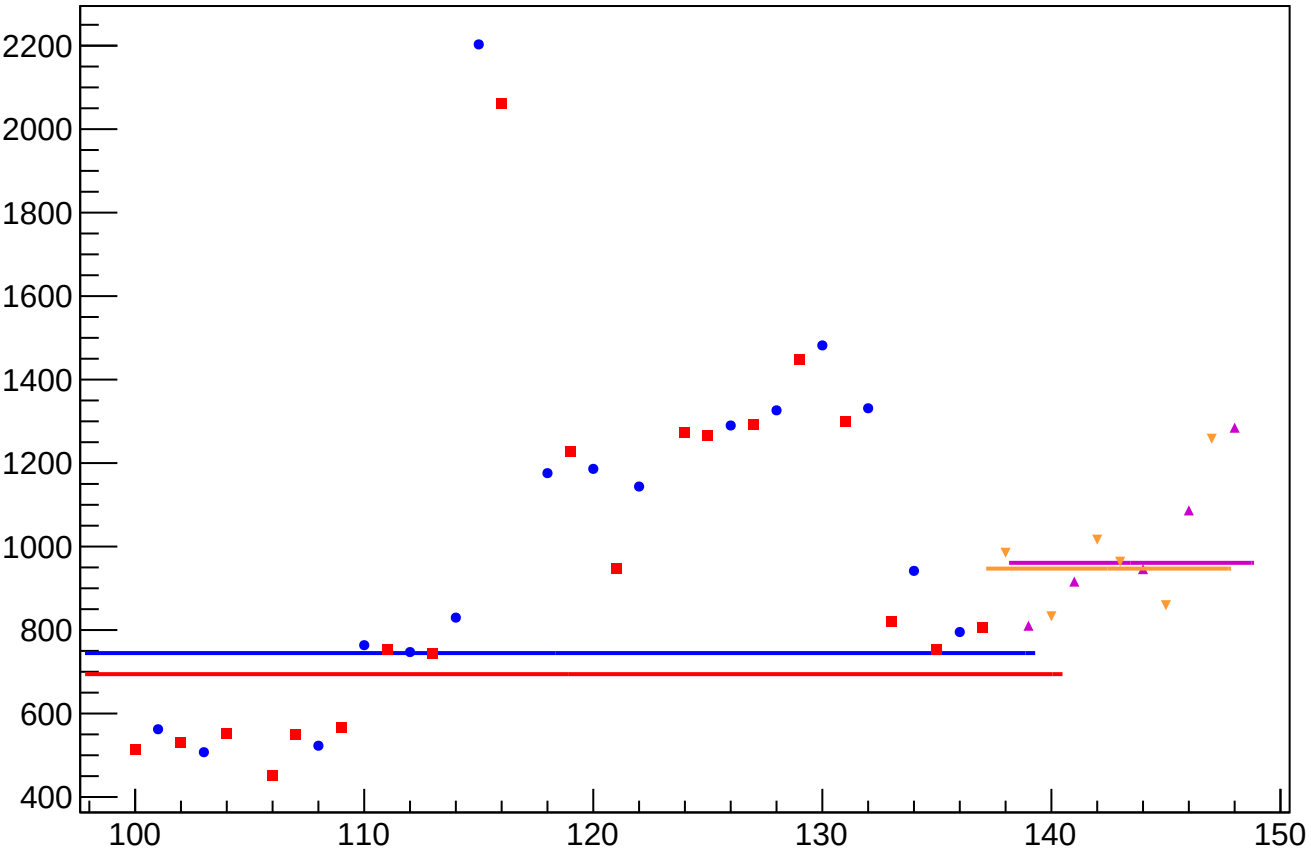
Left: -159.292+/-325.106 χ^2/NDF: 12.3/10

Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -490.574+/-250.771 χ^2/NDF:14.9/20

Out: -195.197+/-233.526 χ^2/NDF:28.9/24

All: -332.381+/-170.900 χ^2/NDF: 44.6/45



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 947.206+/-0.319 χ^2/NDF:154609.6/5

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 961.033+/-0.332 χ^2/NDF:189025.2/4

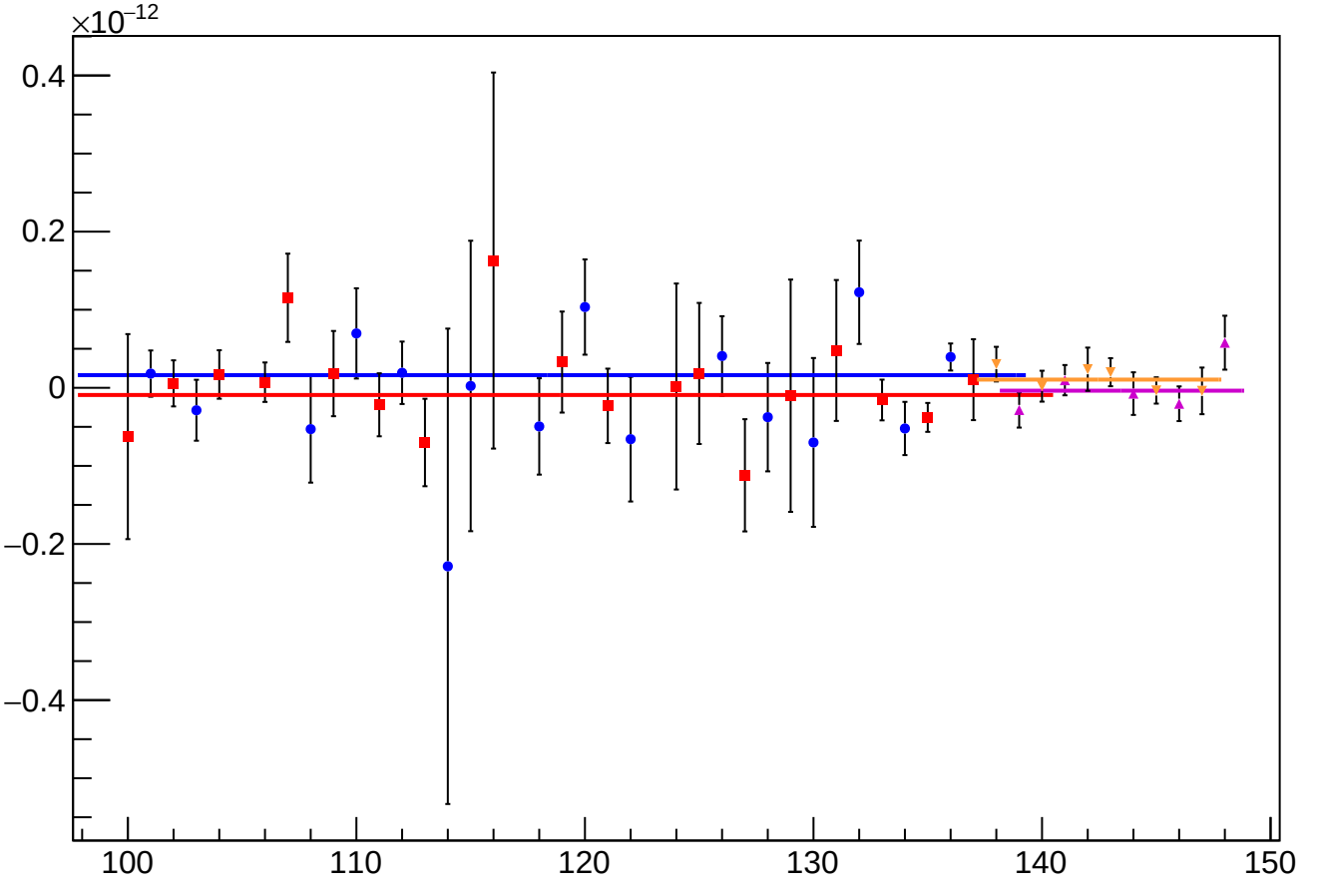
Left: 953.845+/-0.230 χ^2/NDF: 344537.7/10

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 806.560+/-0.177 χ^2/NDF:2315077.8/20

Out: 762.172+/-0.165 χ^2/NDF:2418598.8/24

All: 782.787+/-0.121 χ^2/NDF: 4767237.3/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/4

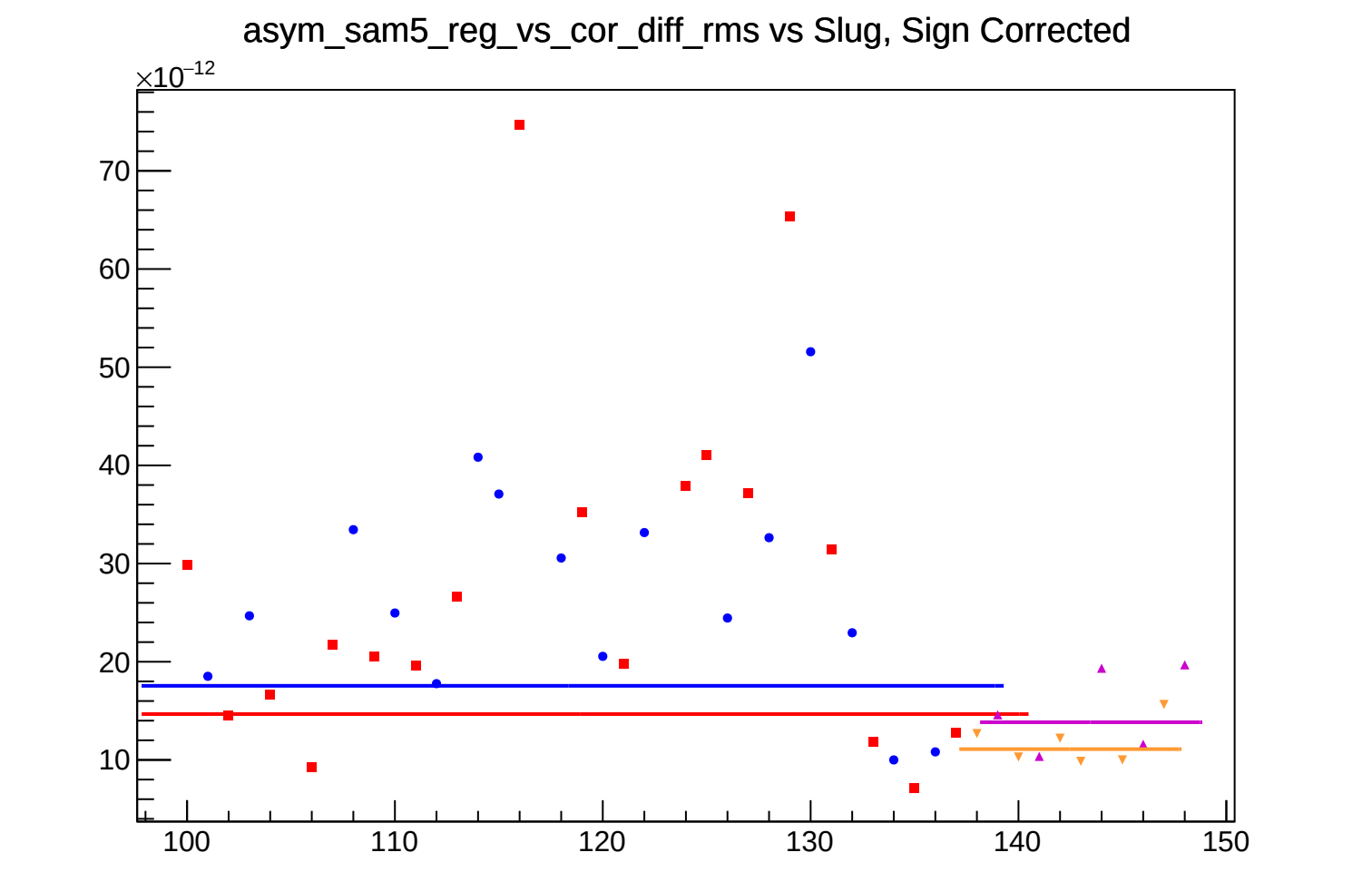
Left: 0.000+/-0.000 χ^2/NDF: 8.9/10

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:25.1/20

Out: 0.000+/-0.000 χ^2/NDF:18.9/24

All: 0.000+/-0.000 χ^2/NDF: 44.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:81095.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:225501.0/4

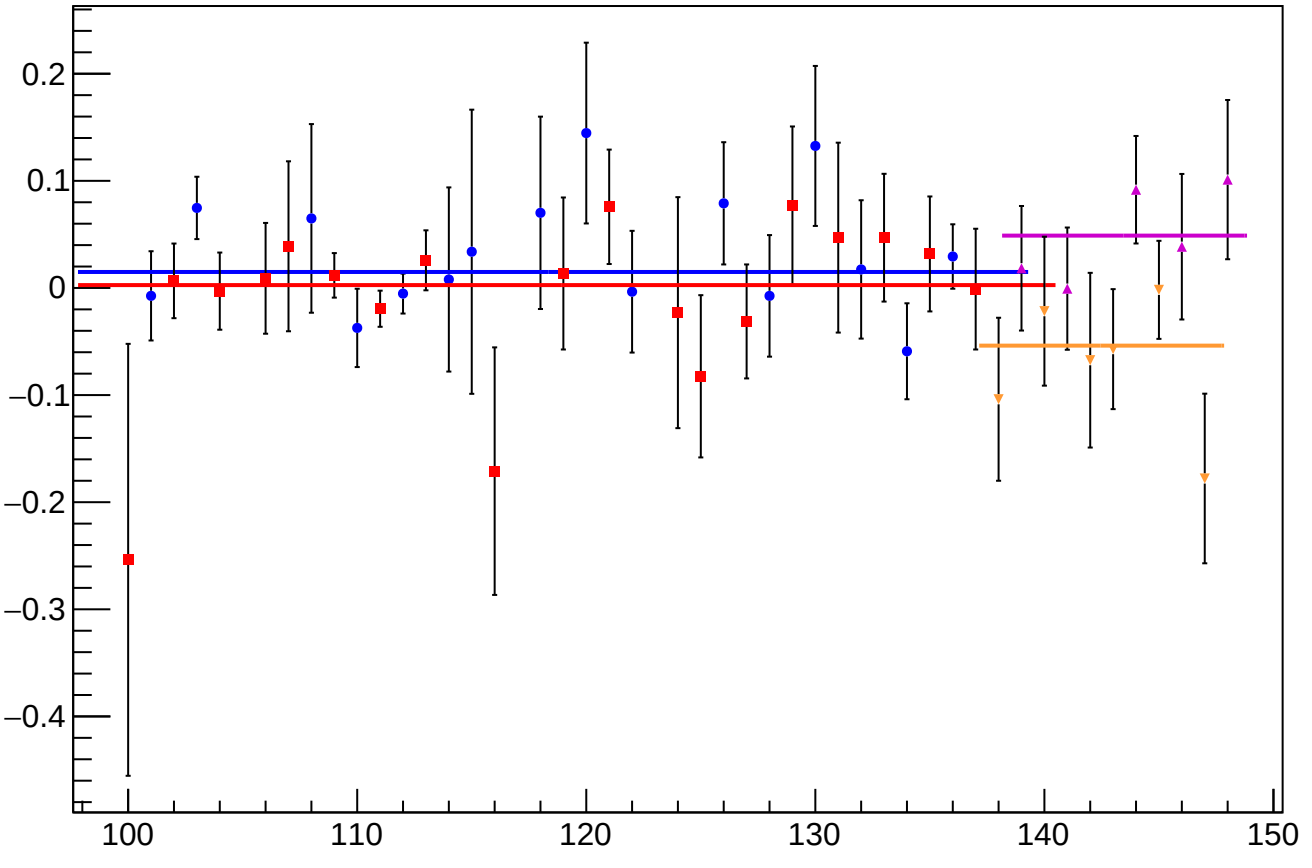
Left: 0.000+/-0.000 χ^2/NDF: 387058.5/10

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:1503019.5/20

Out: 0.000+/-0.000 χ^2/NDF:1981107.6/24

All: 0.000+/-0.000 χ^2/NDF: 3665334.0/45



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

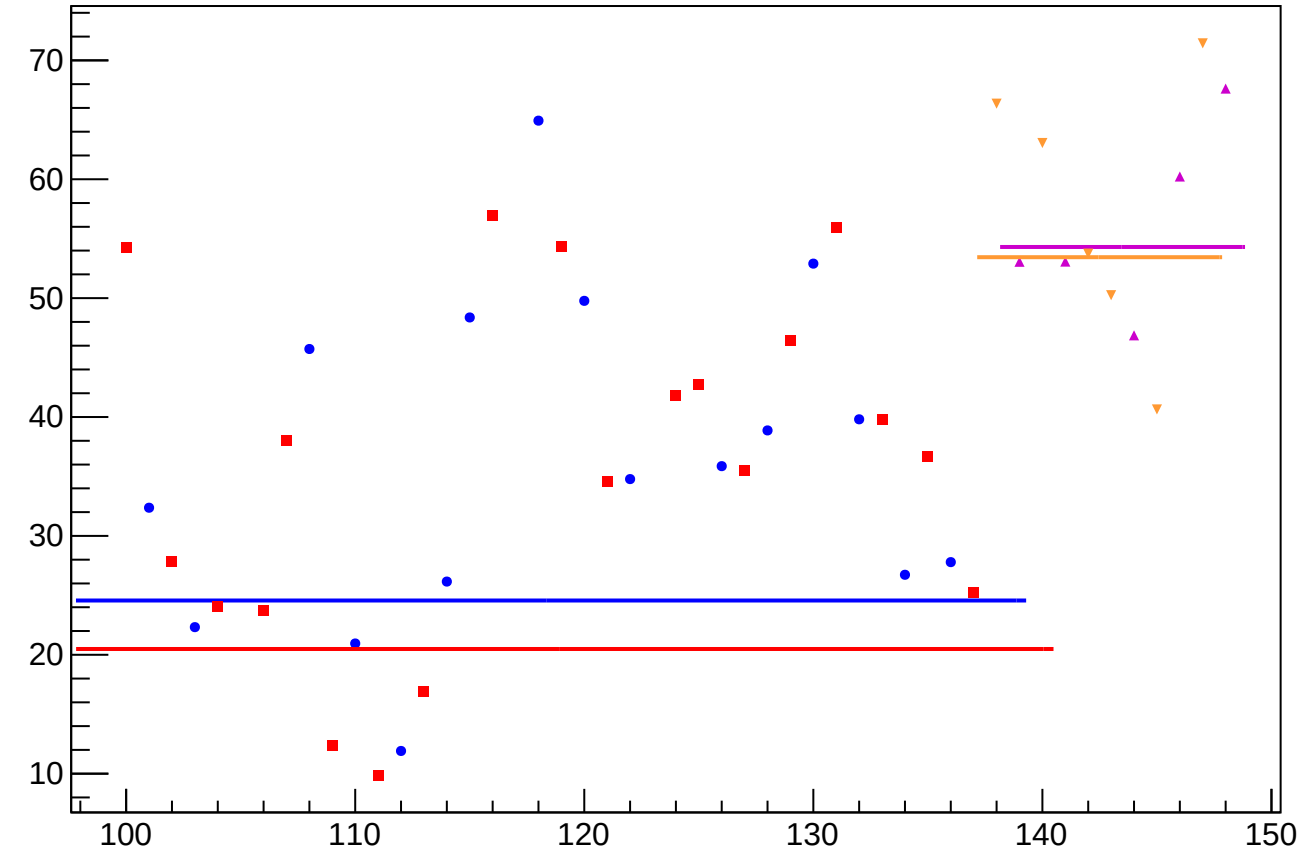
Left: -0.004+/-0.019 χ^2/NDF: 14.3/10

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 45.7/45



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362138.7/5

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

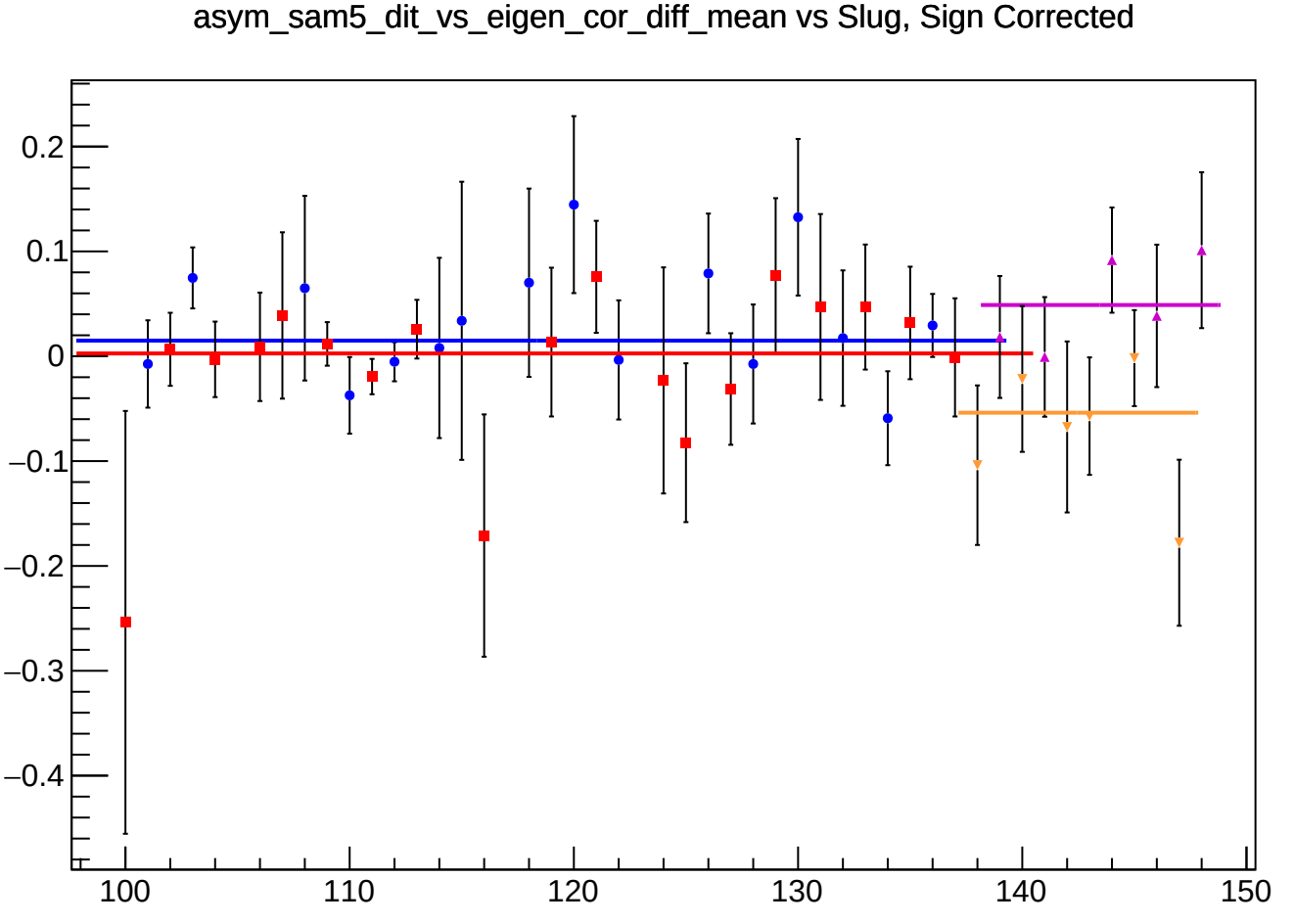
Left: 53.860+/-0.013 χ^2/NDF: 488394.7/10

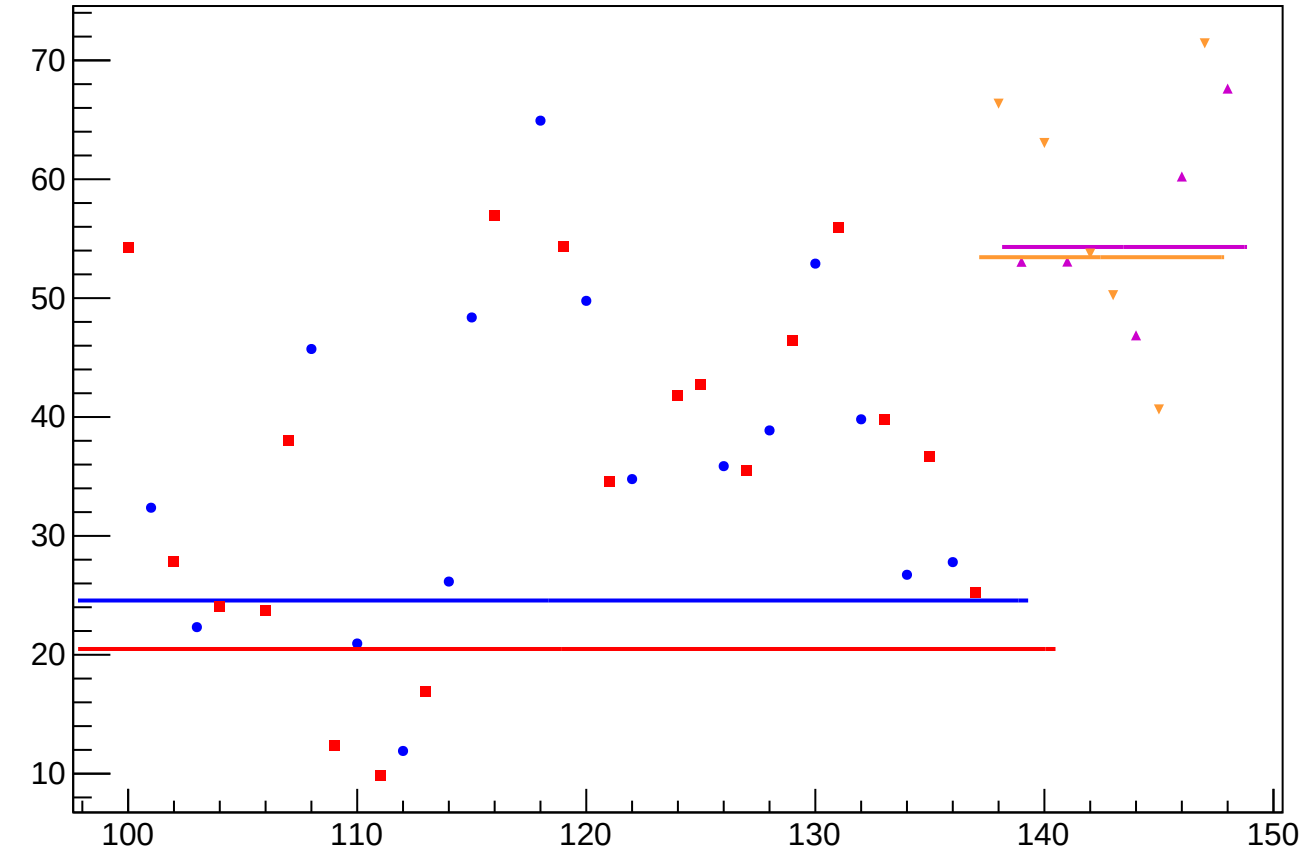
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 28.594+/-0.007 χ^2/NDF:4746887.2/20

Out: 24.188+/-0.006 χ^2/NDF:6810917.8/24

All: 26.118+/-0.005 χ^2/NDF: 11782953.3/45


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.054+/-0.026 χ²/NDF:4.4/5
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.049+/-0.027 χ²/NDF:2.3/4
Left: -0.004+/-0.019 χ²/NDF: 14.3/10
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.020+/-0.010 χ²/NDF:21.4/20
Out: -0.004+/-0.009 χ²/NDF:21.1/24
All: 0.006+/-0.007 χ²/NDF: 45.7/45



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362138.7/5

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

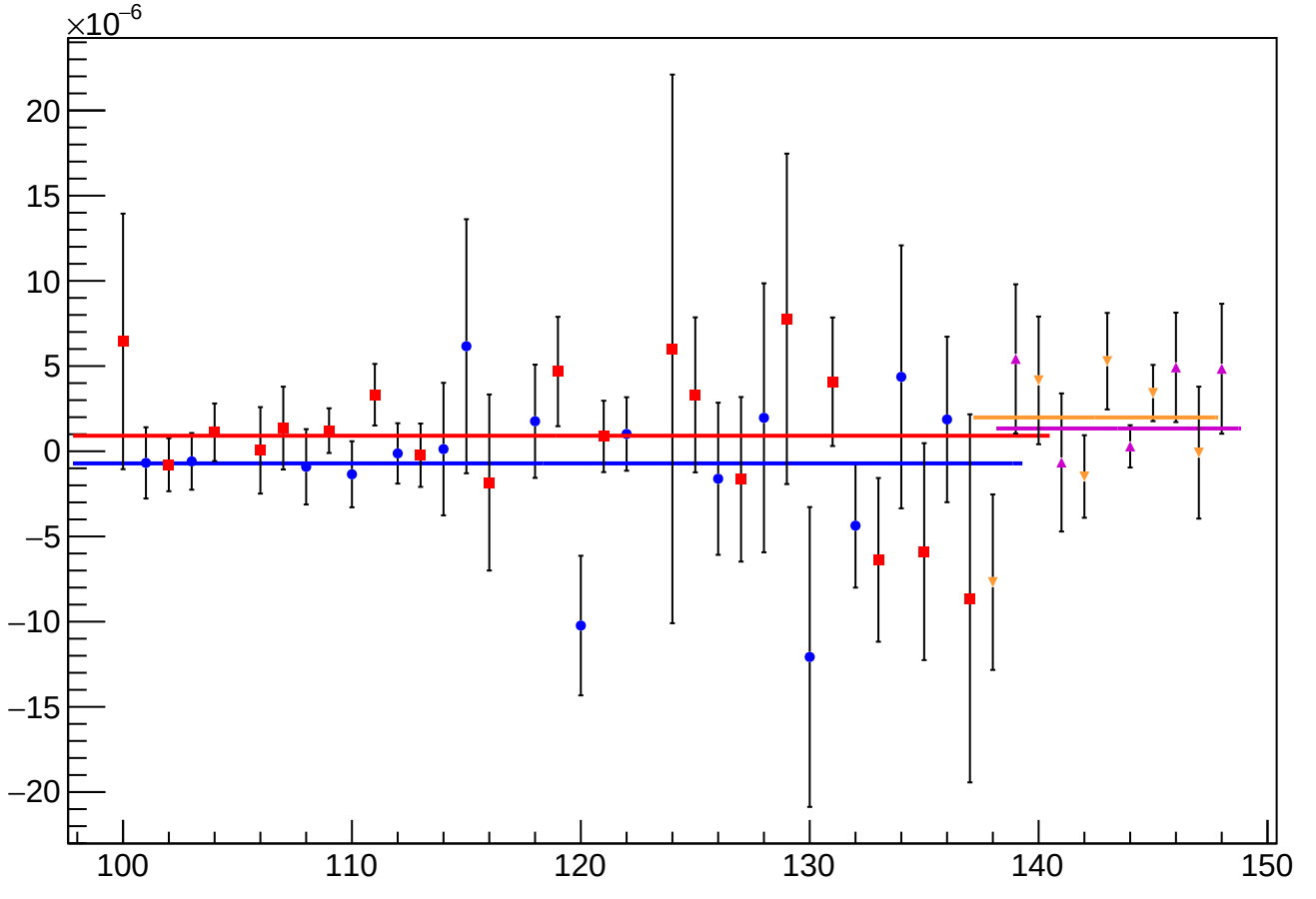
Left: 53.860+/-0.013 χ^2/NDF: 488394.7/10

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 28.594+/-0.007 χ^2/NDF:4746887.2/20

Out: 24.188+/-0.006 χ^2/NDF:6810917.8/24

All: 26.118+/-0.005 χ^2/NDF: 11782953.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

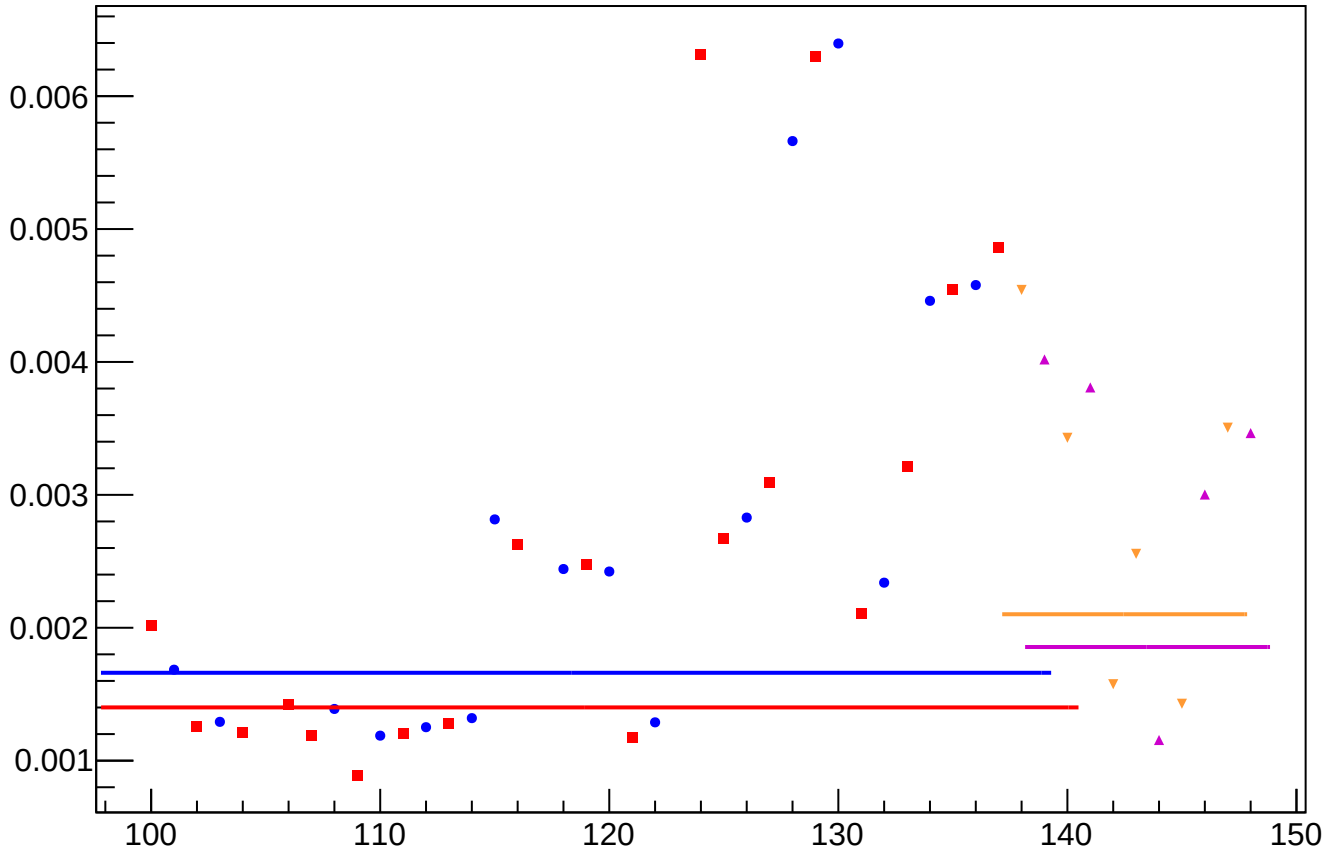
Left: 0.000+/-0.000 χ^2/NDF: 12.4/10

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:17.9/20

Out: 0.000+/-0.000 χ^2/NDF:20.9/24

All: 0.000+/-0.000 χ^2/NDF: 41.3/45



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1441957.0/5

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2199966.8/4

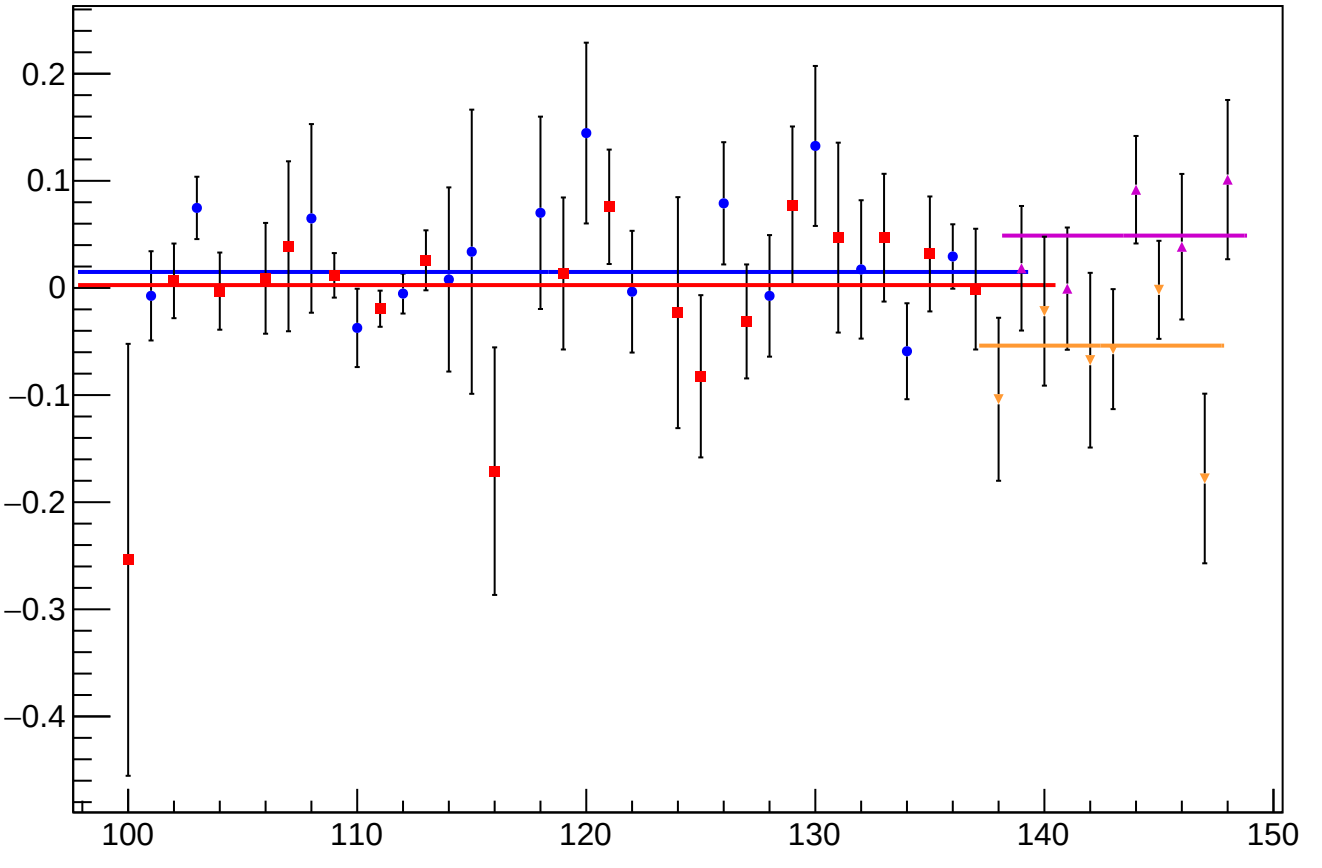
Left: 0.002+/-0.000 χ^2/NDF: 3695390.6/10

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:5190010.5/20

Out: 0.002+/-0.000 χ^2/NDF:4996266.0/24

All: 0.002+/-0.000 χ^2/NDF: 10275163.1/45



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

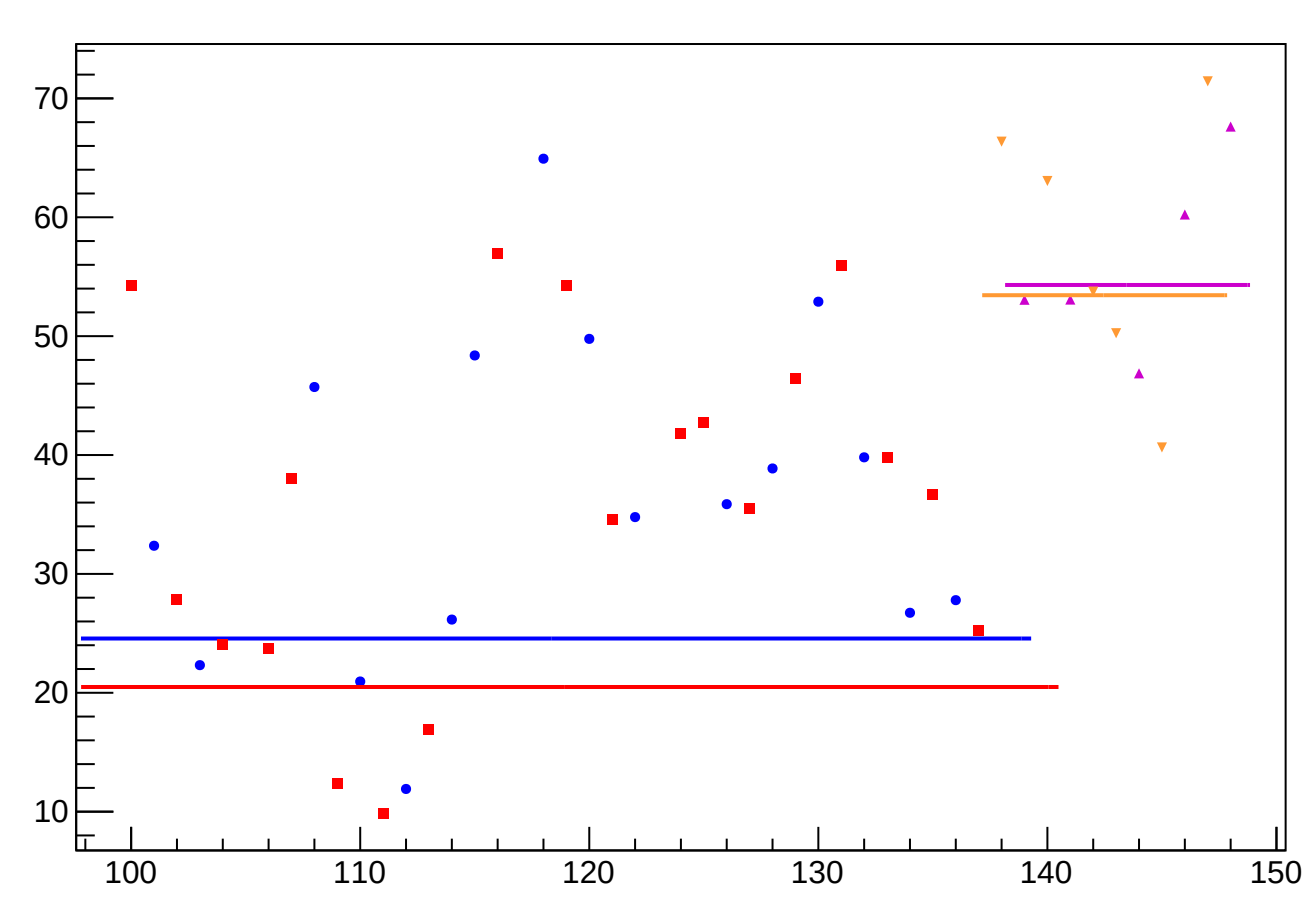
Left: -0.004+/-0.019 χ^2/NDF: 14.3/10

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 45.6/45



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362193.8/5

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

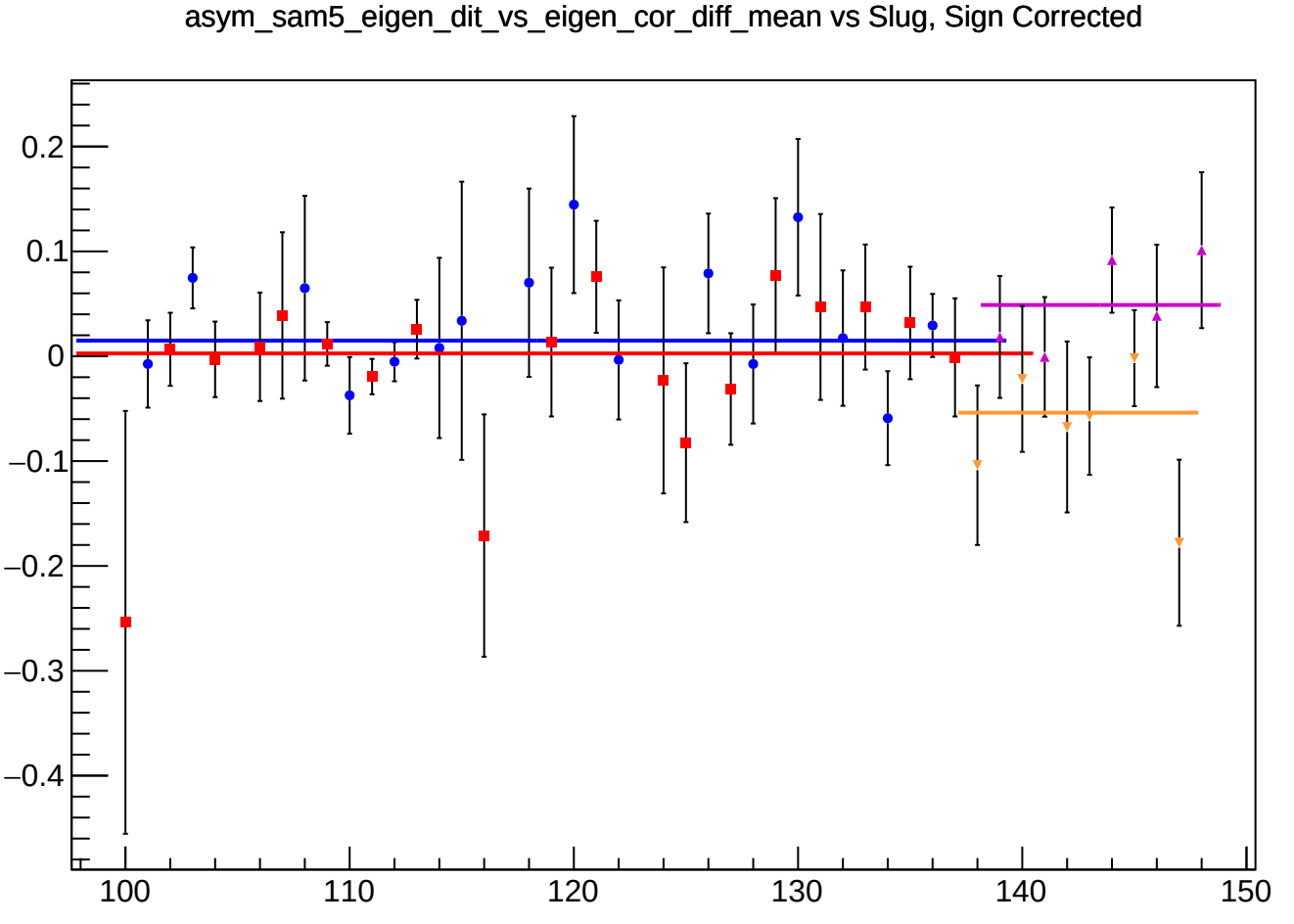
Left: 53.861+/-0.013 χ^2/NDF: 488466.5/10

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 28.593+/-0.007 χ^2/NDF:4747001.8/20

Out: 24.187+/-0.006 χ^2/NDF:6811038.9/24

All: 26.117+/-0.005 χ^2/NDF: 11783202.9/45



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

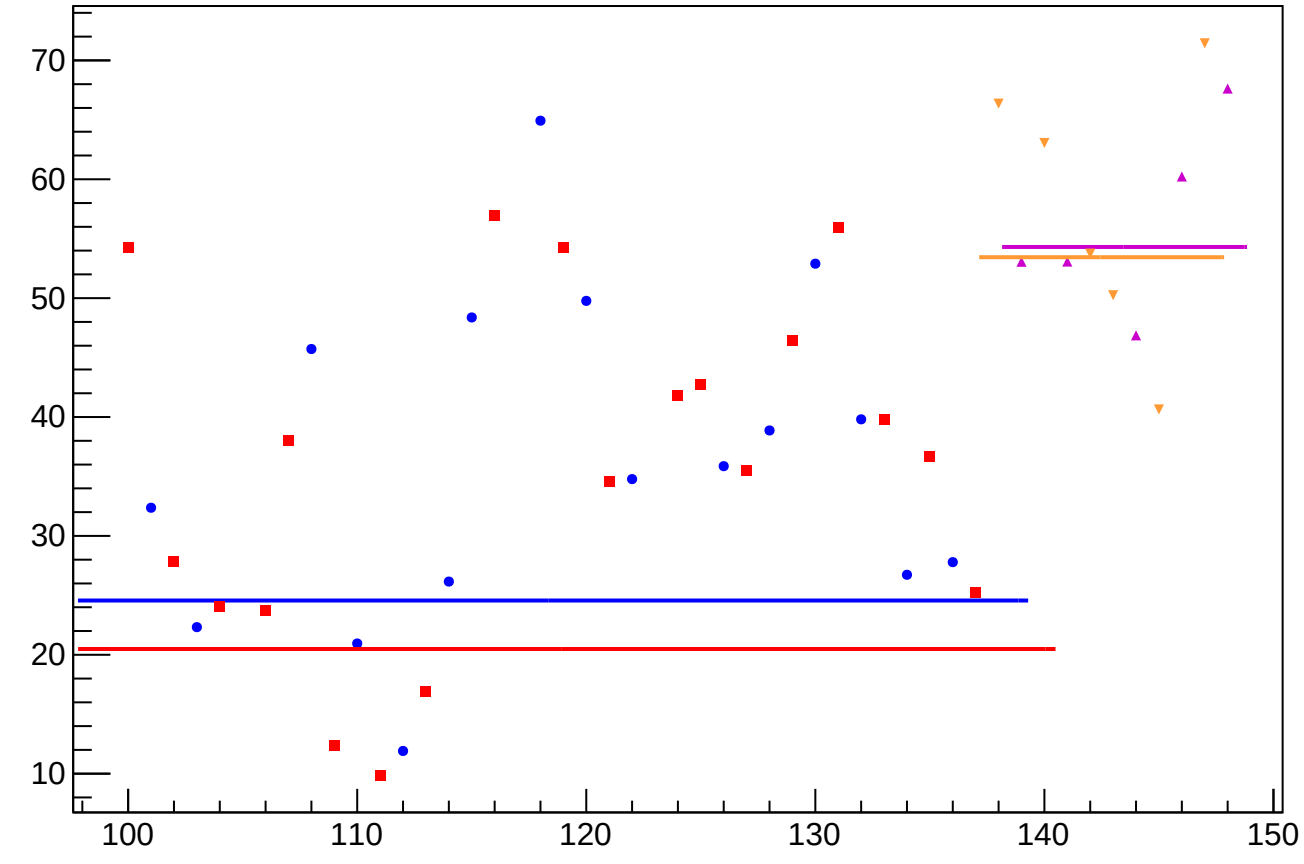
Left: -0.004+/-0.019 χ^2/NDF: 14.3/10

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 45.6/45



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362193.8/5

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

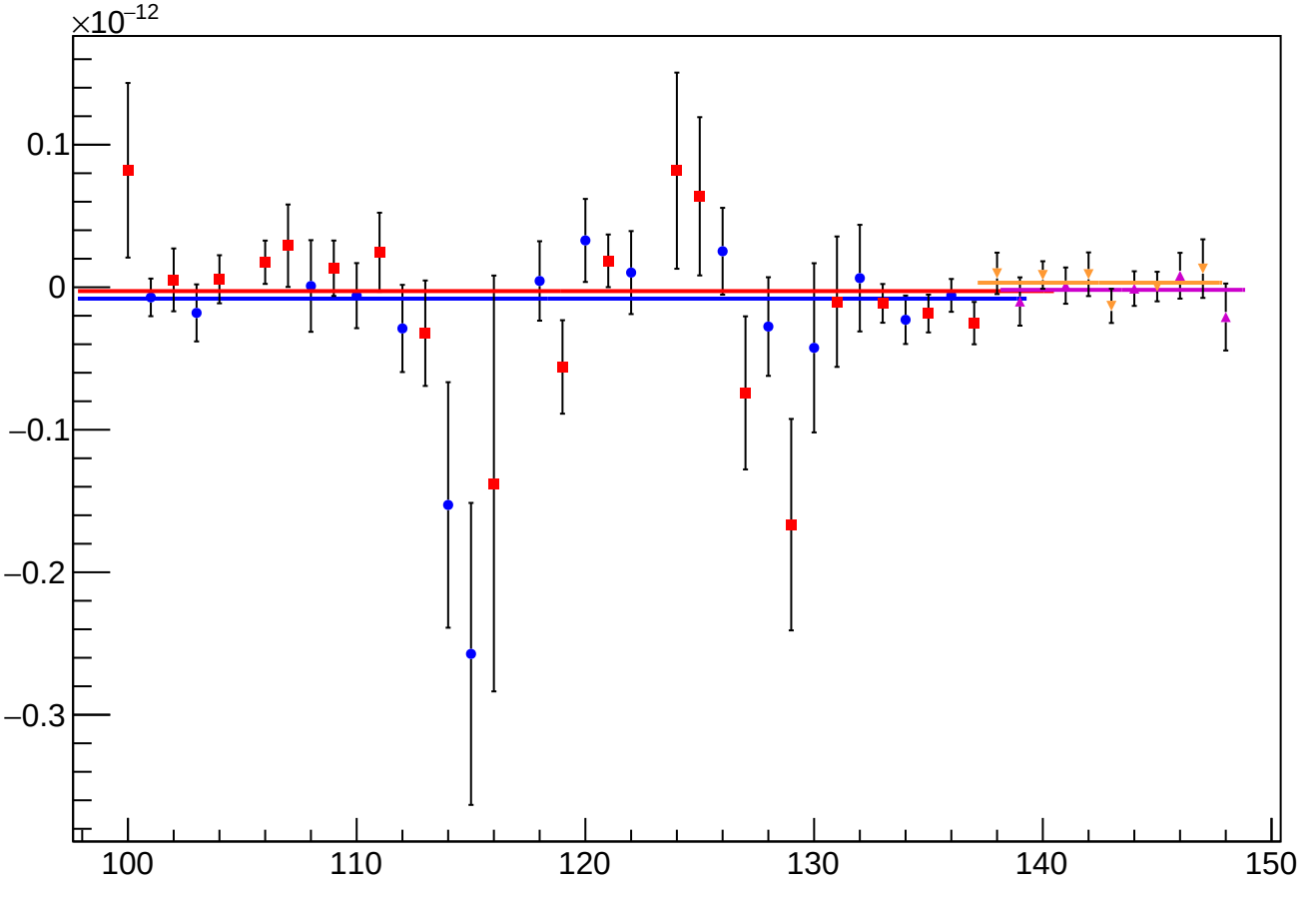
Left: 53.861+/-0.013 χ^2/NDF: 488466.5/10

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 28.593+/-0.007 χ^2/NDF:4747001.8/20

Out: 24.187+/-0.006 χ^2/NDF:6811038.9/24

All: 26.117+/-0.005 χ^2/NDF: 11783202.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

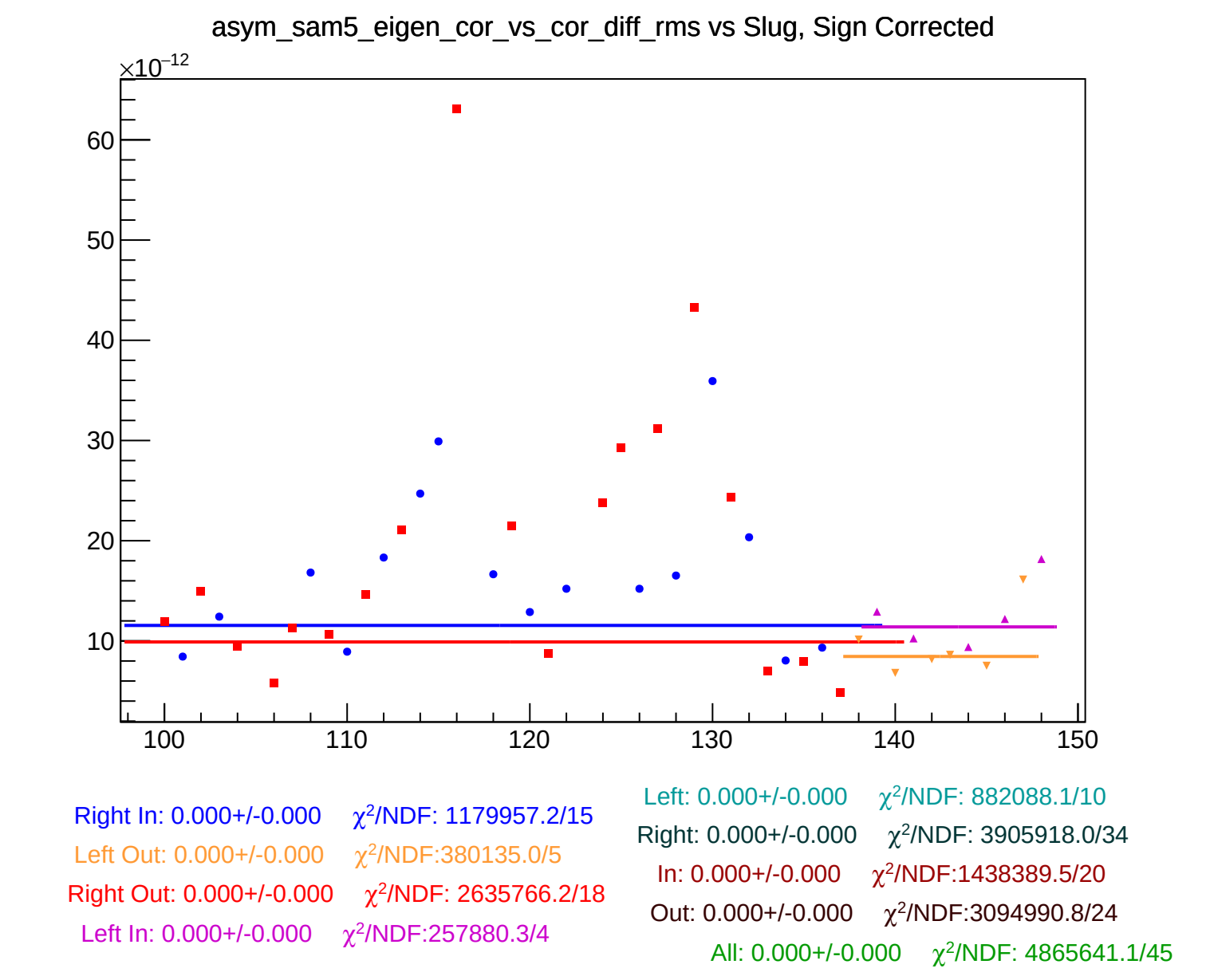
Left: 0.000+/-0.000 χ^2/NDF: 4.5/10

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

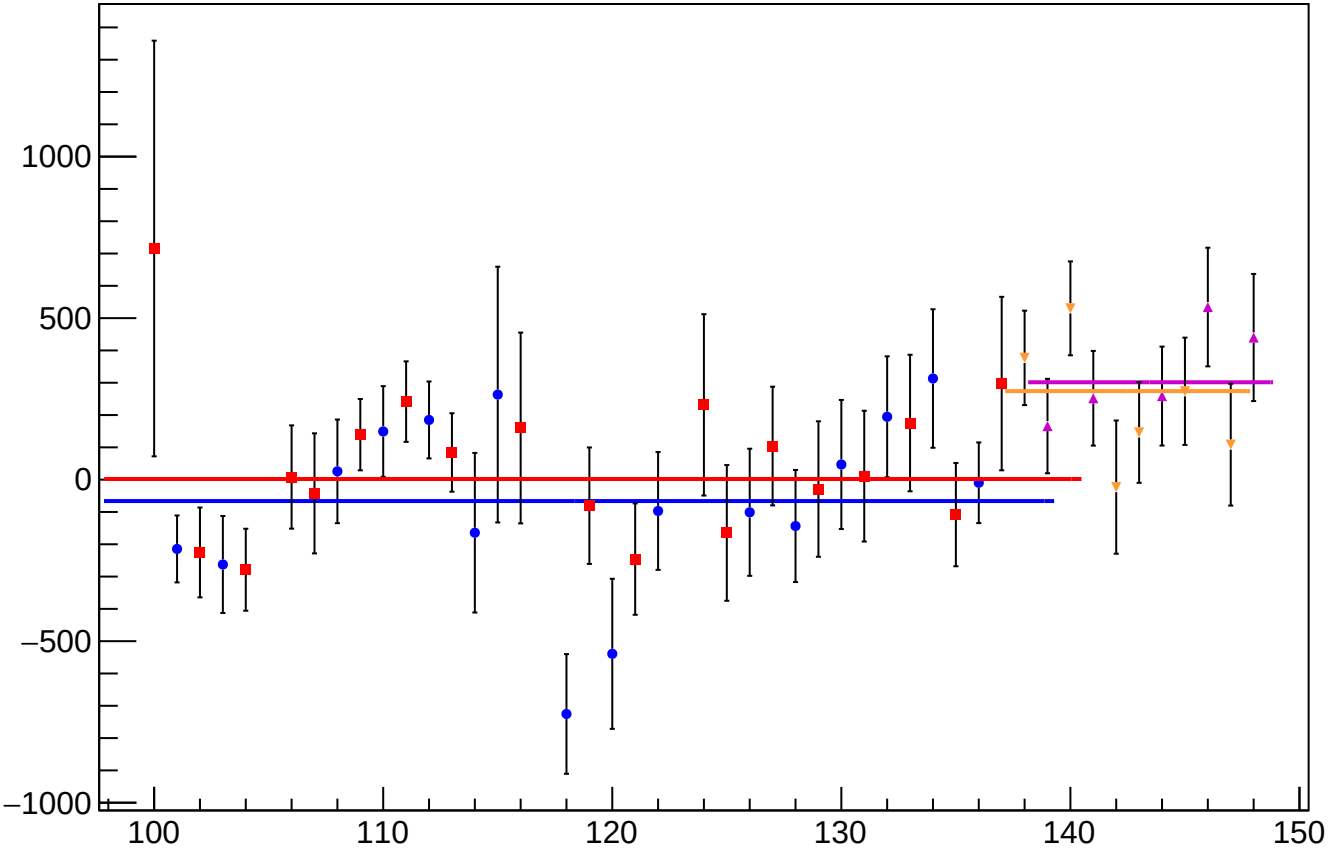
In: -0.000+/-0.000 χ^2/NDF:16.3/20

Out: 0.000+/-0.000 χ^2/NDF:29.5/24

All: -0.000+/-0.000 χ^2/NDF: 46.9/45


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:380135.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:257880.3/4
Left: 0.000+/-0.000 χ²/NDF: 882088.1/10
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1438389.5/20
Out: 0.000+/-0.000 χ²/NDF:3094990.8/24
All: 0.000+/-0.000 χ²/NDF: 4865641.1/45

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.131+/-66.936 χ^2/NDF:7.1/5

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 301.526+/-72.268 χ^2/NDF:3.2/4

Left: 286.781+/-49.108 χ^2/NDF: 10.4/10

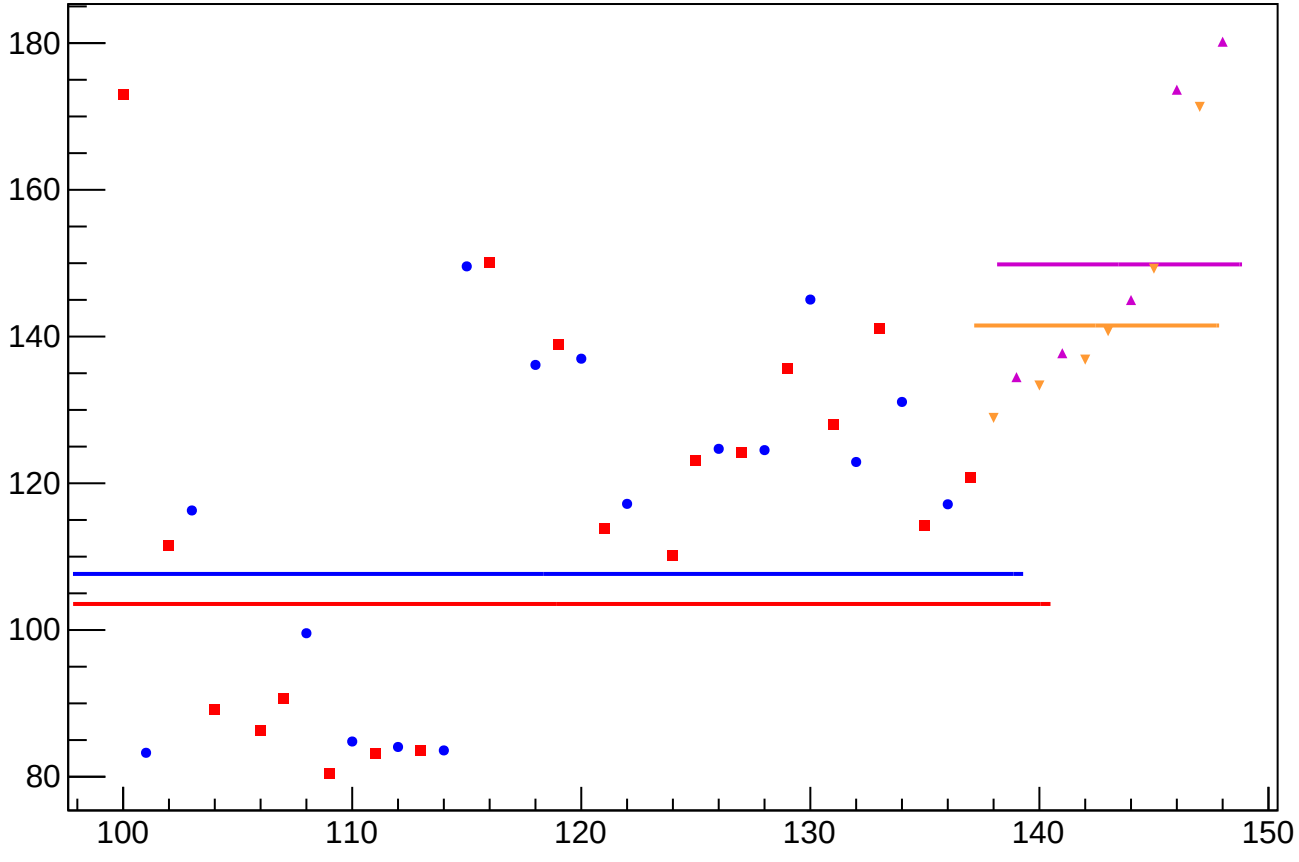
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 23.109+/-35.619 χ^2/NDF:57.2/20

Out: 70.628+/-33.611 χ^2/NDF:40.6/24

All: 48.246+/-24.446 χ^2/NDF: 98.7/45

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

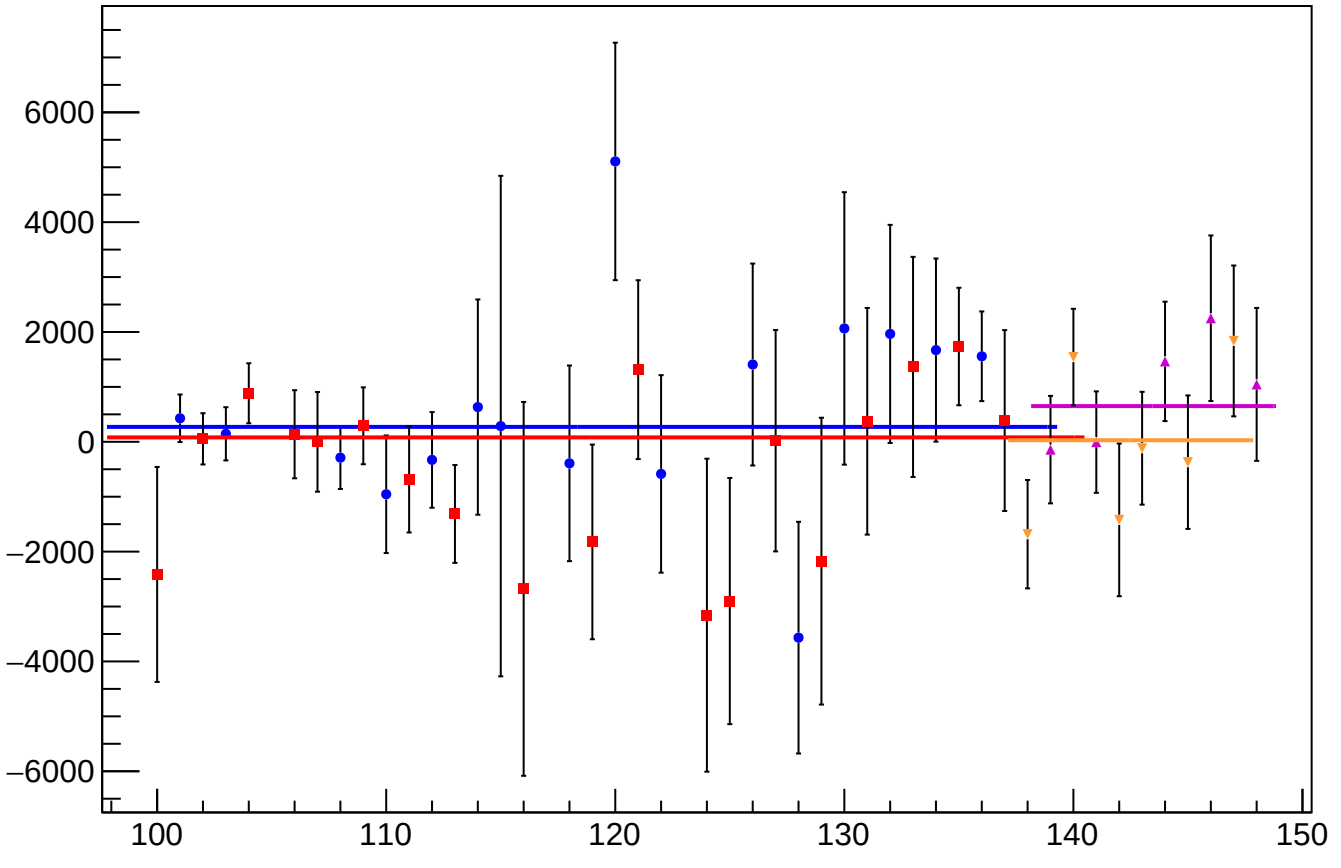
Left: 145.353+/-0.035 χ^2/NDF: 209784.3/10

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 117.894+/-0.025 χ^2/NDF:1167877.6/20

Out: 113.120+/-0.024 χ^2/NDF:1174844.1/24

All: 115.369+/-0.017 χ^2/NDF: 2361719.4/45



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 28.269+/-447.667 χ^2/NDF:8.9/5

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 650.168+/-498.917 χ^2/NDF:2.9/4

Left: 305.646+/-333.199 χ^2/NDF: 12.7/10

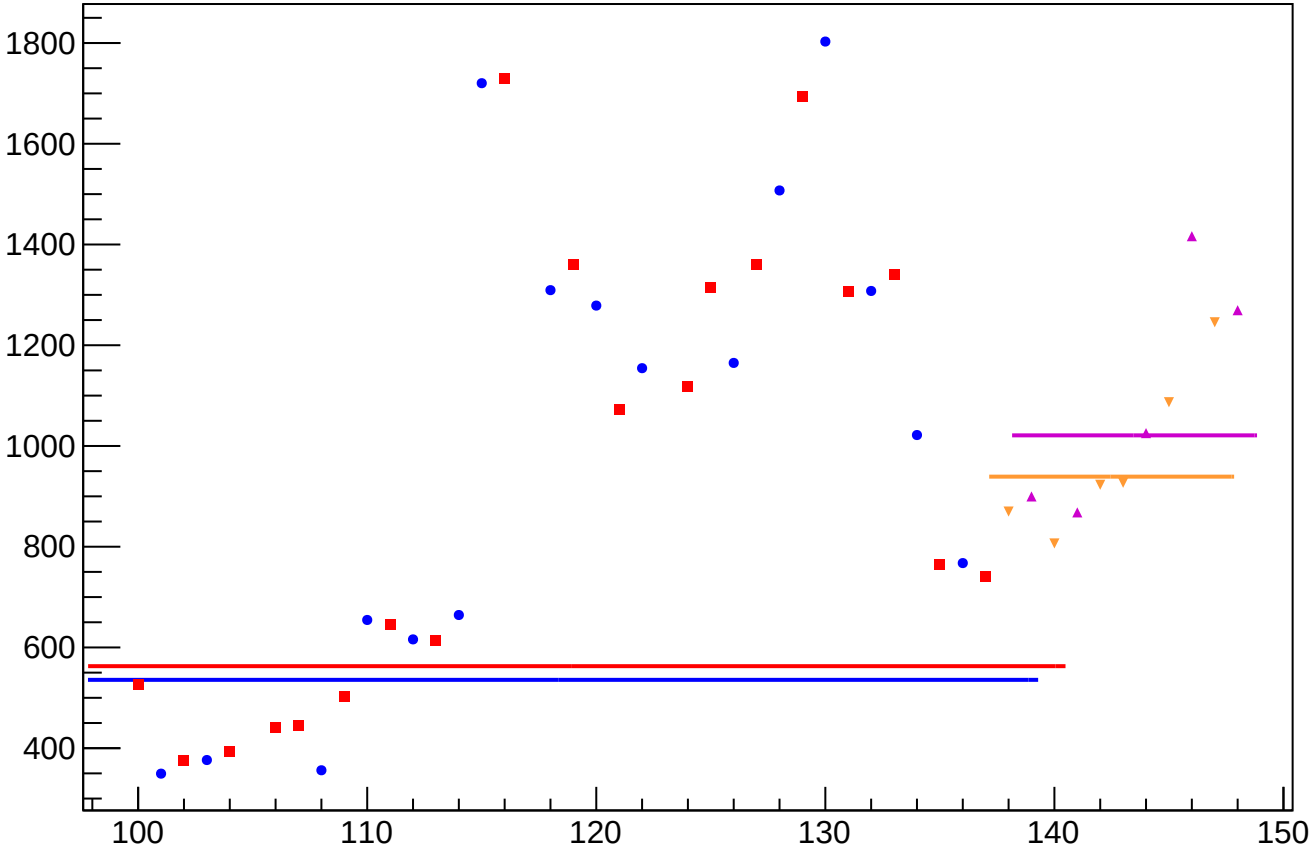
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 338.189+/-209.369 χ^2/NDF:19.9/20

Out: 69.111+/-206.090 χ^2/NDF:24.9/24

All: 201.526+/-146.873 χ^2/NDF: 45.7/45

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1021.083+/-0.353 χ^2/NDF:286733.6/4

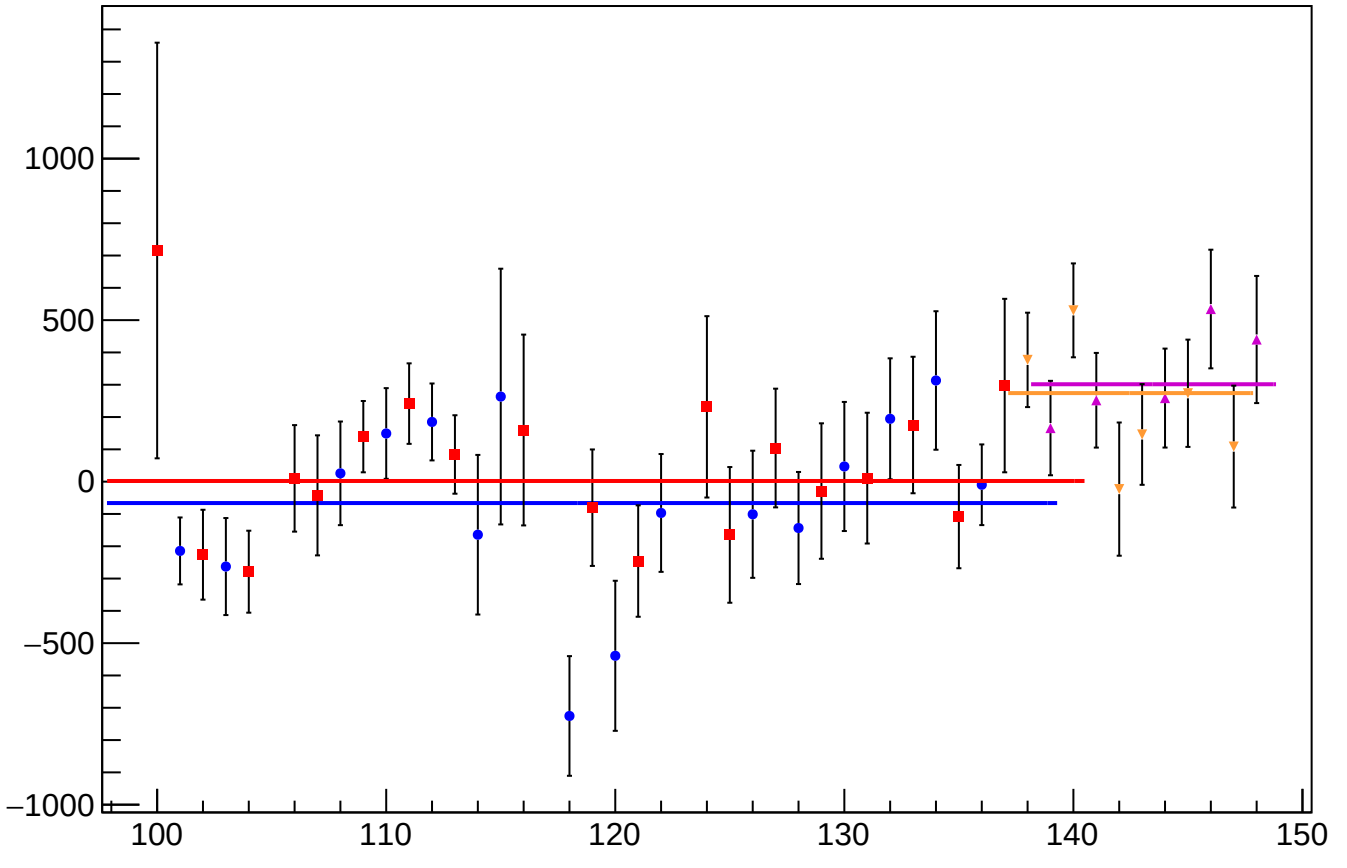
Left: 975.677+/-0.236 χ^2/NDF: 501583.8/10

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 621.164+/-0.148 χ^2/NDF:5478841.6/20

Out: 642.591+/-0.146 χ^2/NDF:4409485.0/24

All: 632.047+/-0.104 χ^2/NDF: 9898965.4/45



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.143+/-66.936 χ^2/NDF:7.1/5

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 301.523+/-72.268 χ^2/NDF:3.2/4

Left: 286.786+/-49.108 χ^2/NDF: 10.4/10

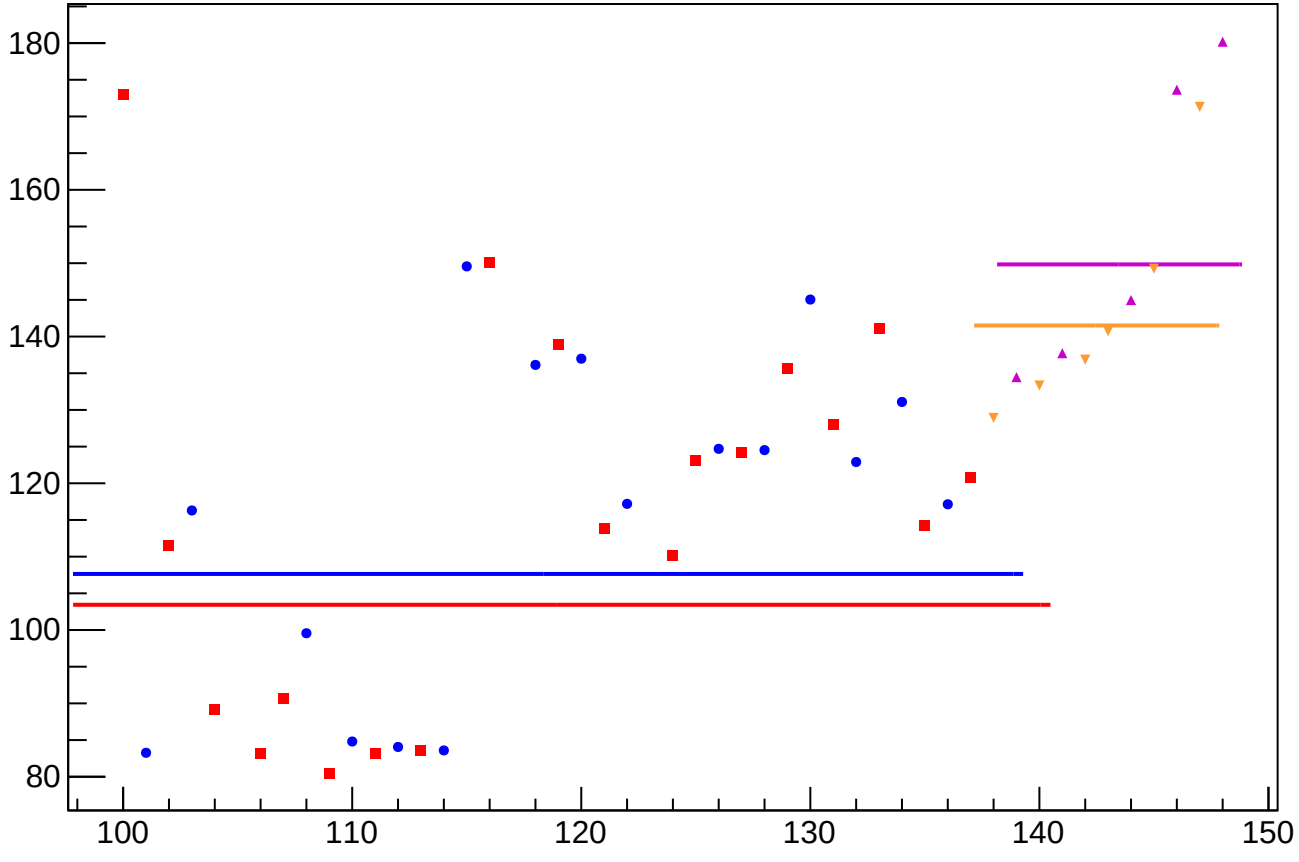
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 23.088+/-35.619 χ^2/NDF:57.2/20

Out: 70.850+/-33.657 χ^2/NDF:40.6/24

All: 48.321+/-24.463 χ^2/NDF: 98.7/45

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

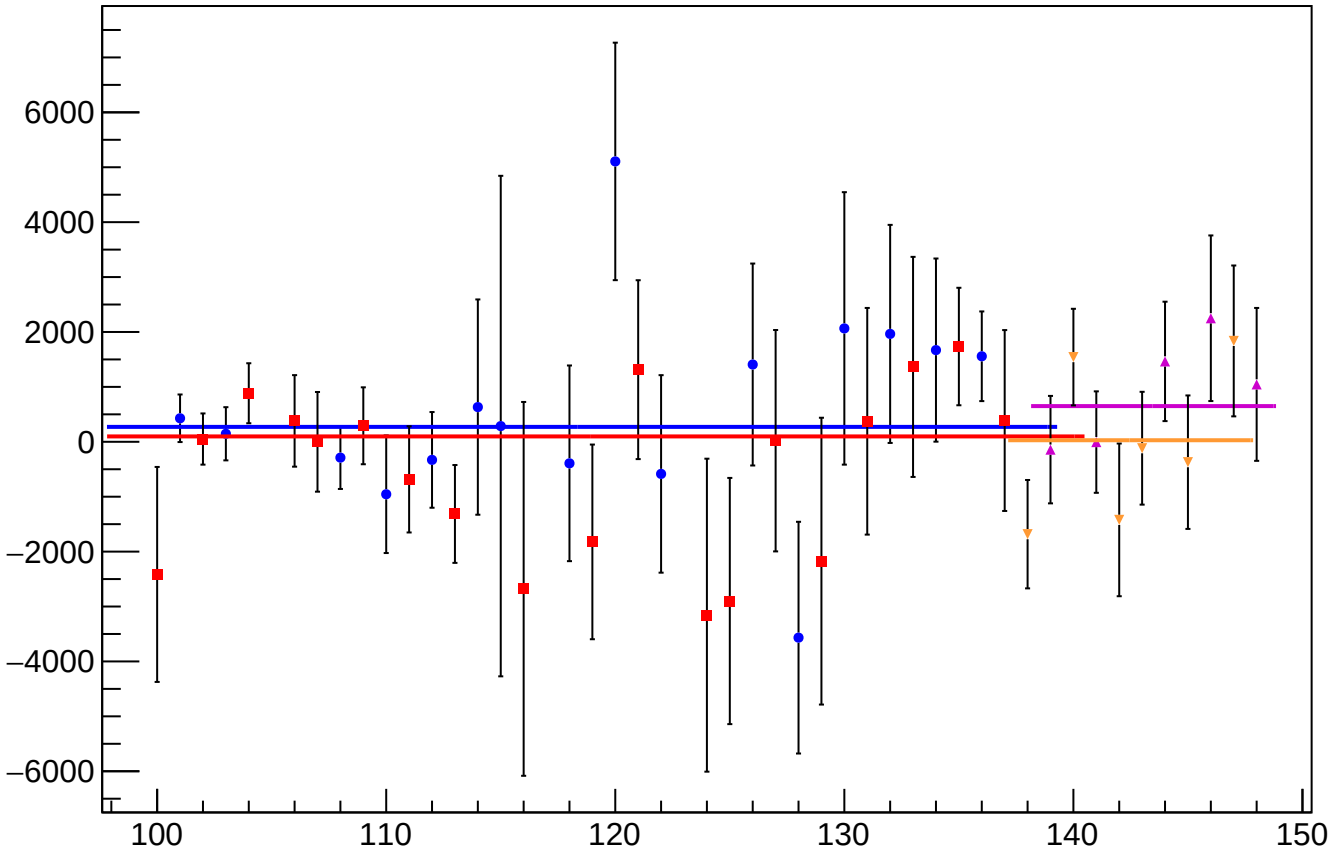
Left: 145.353+/-0.035 χ^2/NDF: 209784.3/10

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 117.894+/-0.025 χ^2/NDF:1167877.4/20

Out: 113.063+/-0.024 χ^2/NDF:1184652.8/24

All: 115.341+/-0.017 χ^2/NDF: 2371967.2/45



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 28.286+/-447.667 χ^2/NDF:8.9/5

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 650.149+/-498.917 χ^2/NDF:2.9/4

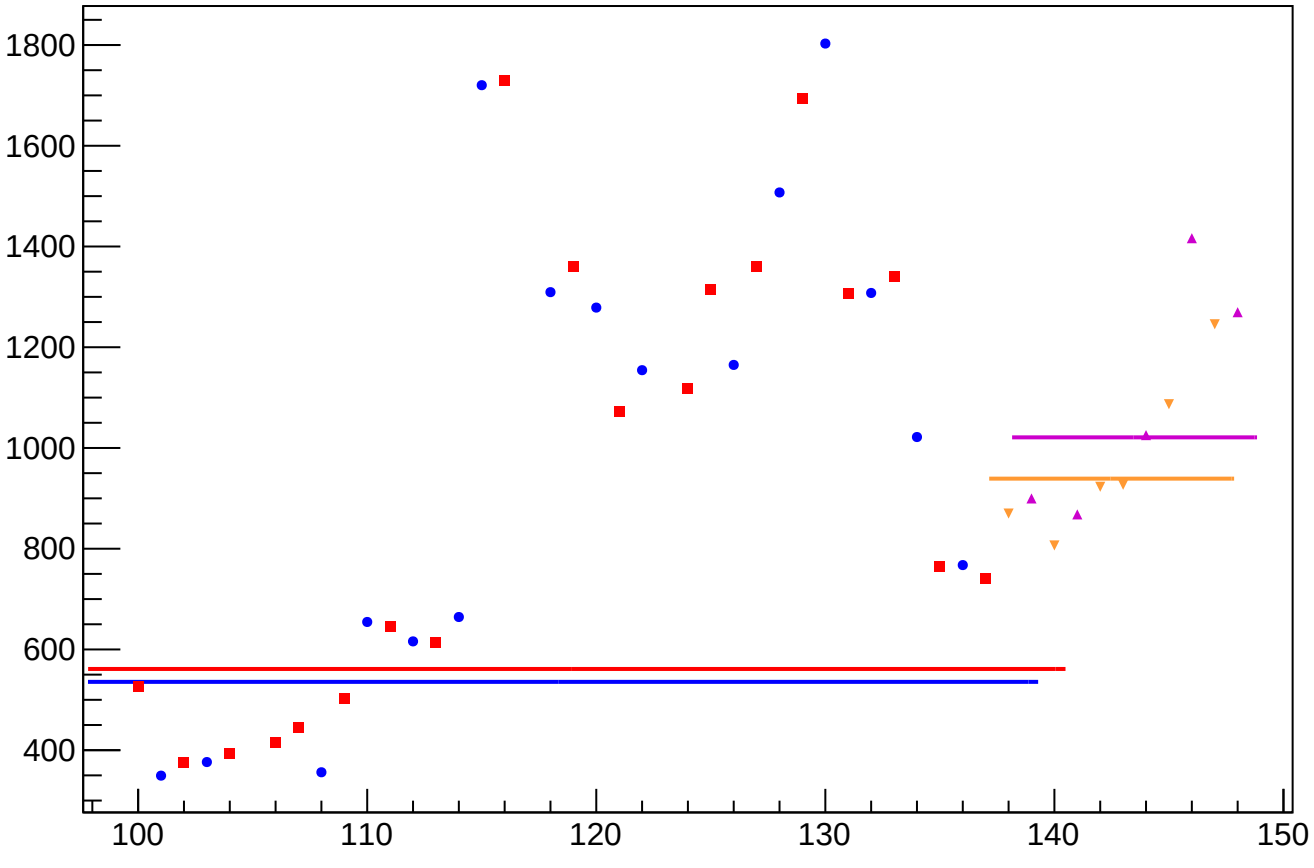
Left: 305.647+/-333.199 χ^2/NDF: 12.7/10

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 338.298+/-209.364 χ^2/NDF:19.9/20

Out: 83.041+/-206.528 χ^2/NDF:25.1/24

All: 208.929+/-147.030 χ^2/NDF: 45.7/45



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

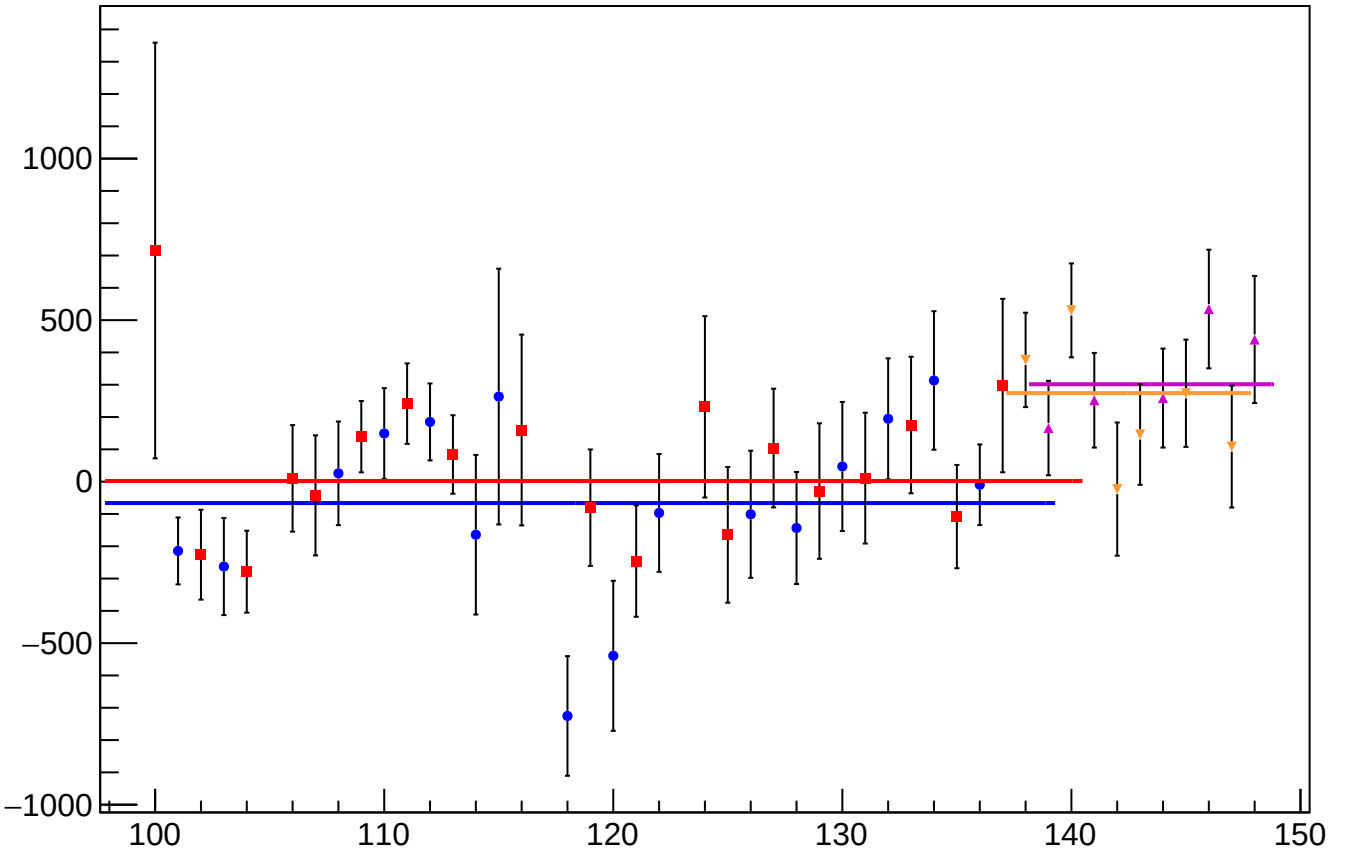
Left: 975.677+/-0.236 χ^2/NDF: 501584.2/10

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 621.142+/-0.148 χ^2/NDF:5479198.4/20

Out: 641.691+/-0.146 χ^2/NDF:4437271.4/24

All: 631.556+/-0.104 χ^2/NDF: 9926234.0/45



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.143+/-66.936 χ^2/NDF:7.1/5

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 301.523+/-72.268 χ^2/NDF:3.2/4

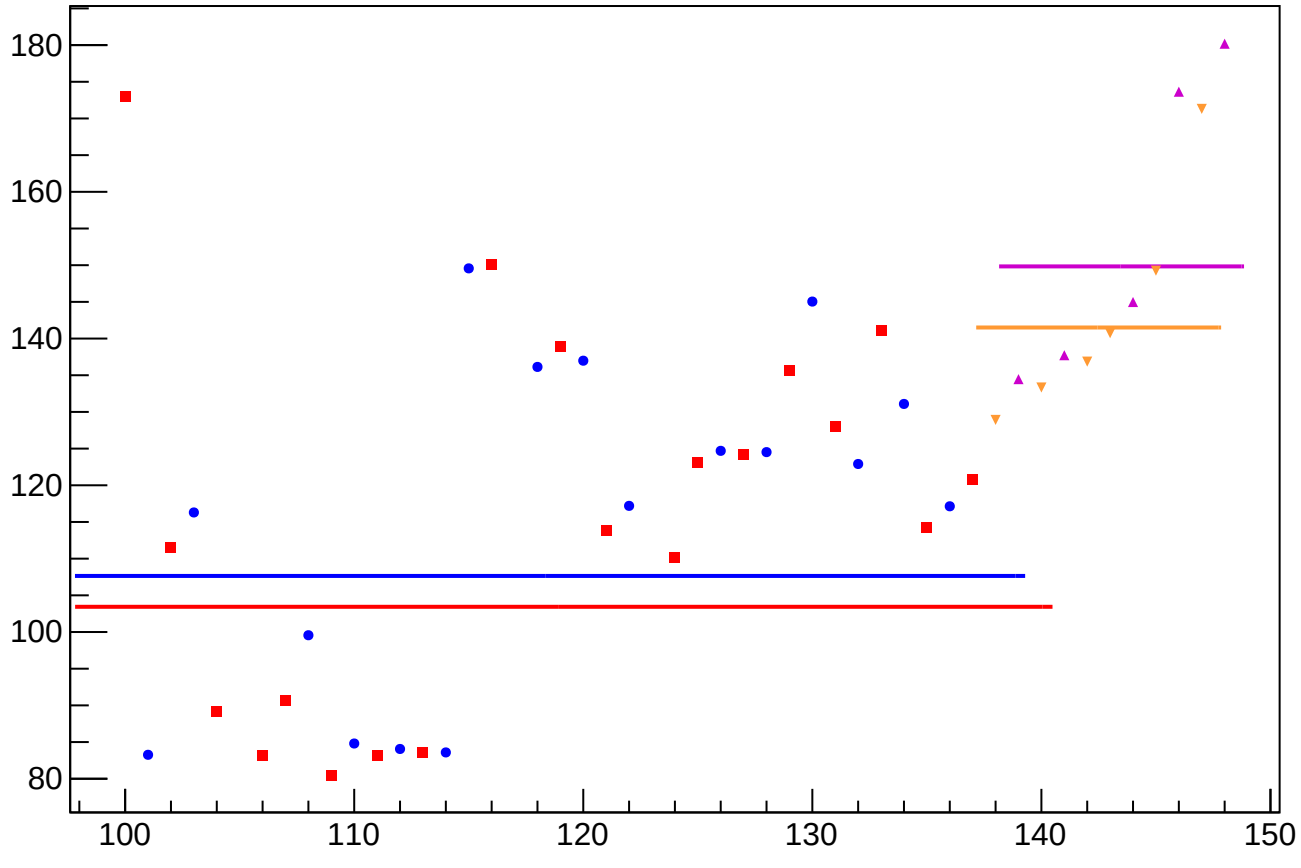
Left: 286.786+/-49.108 χ^2/NDF: 10.4/10

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 23.088+/-35.619 χ^2/NDF:57.2/20

Out: 70.850+/-33.657 χ^2/NDF:40.6/24

All: 48.321+/-24.463 χ^2/NDF: 98.7/45



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

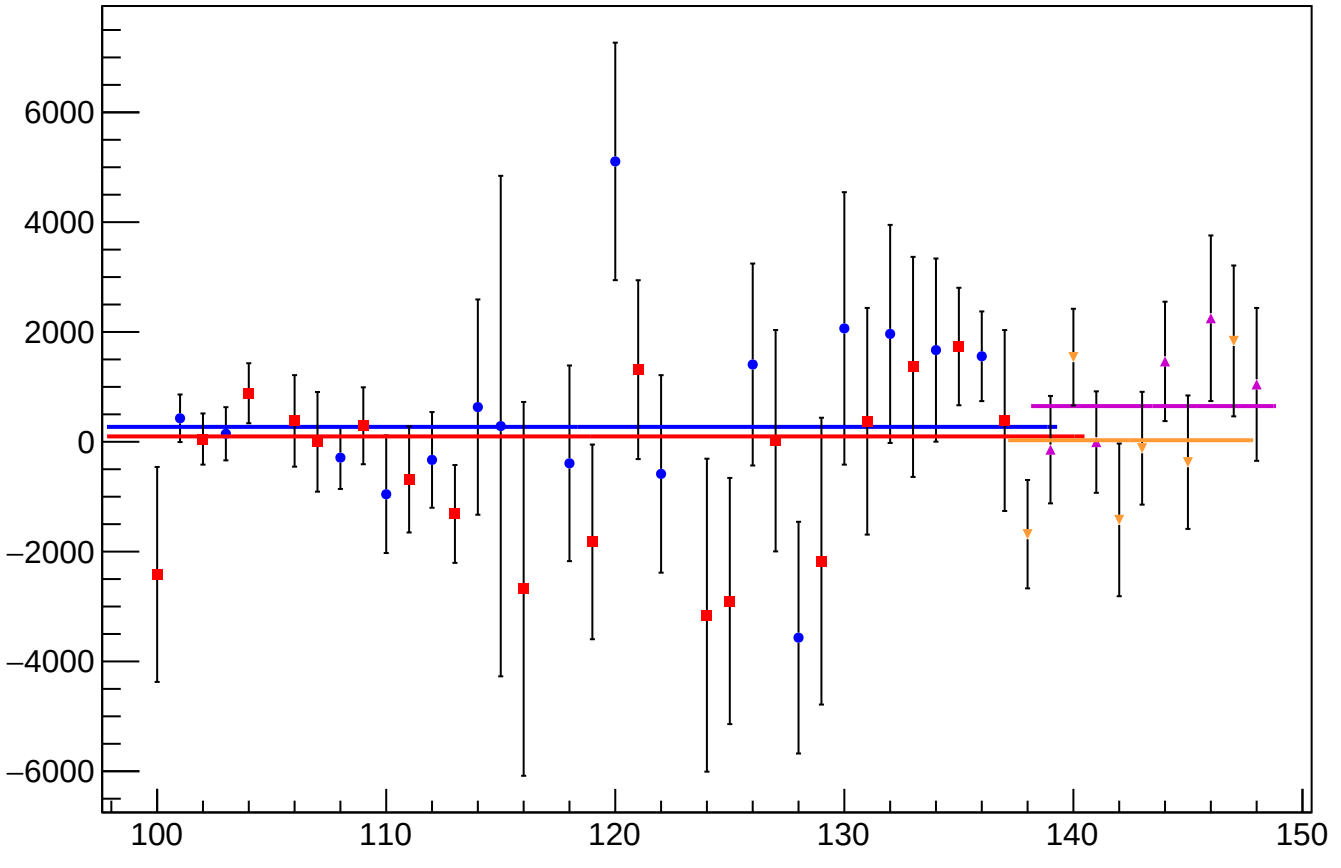
Left: 145.353+/-0.035 χ^2/NDF: 209784.3/10

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 117.894+/-0.025 χ^2/NDF:1167877.4/20

Out: 113.063+/-0.024 χ^2/NDF:1184652.8/24

All: 115.341+/-0.017 χ^2/NDF: 2371967.2/45



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 28.286+/-447.667 χ^2/NDF:8.9/5

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 650.149+/-498.917 χ^2/NDF:2.9/4

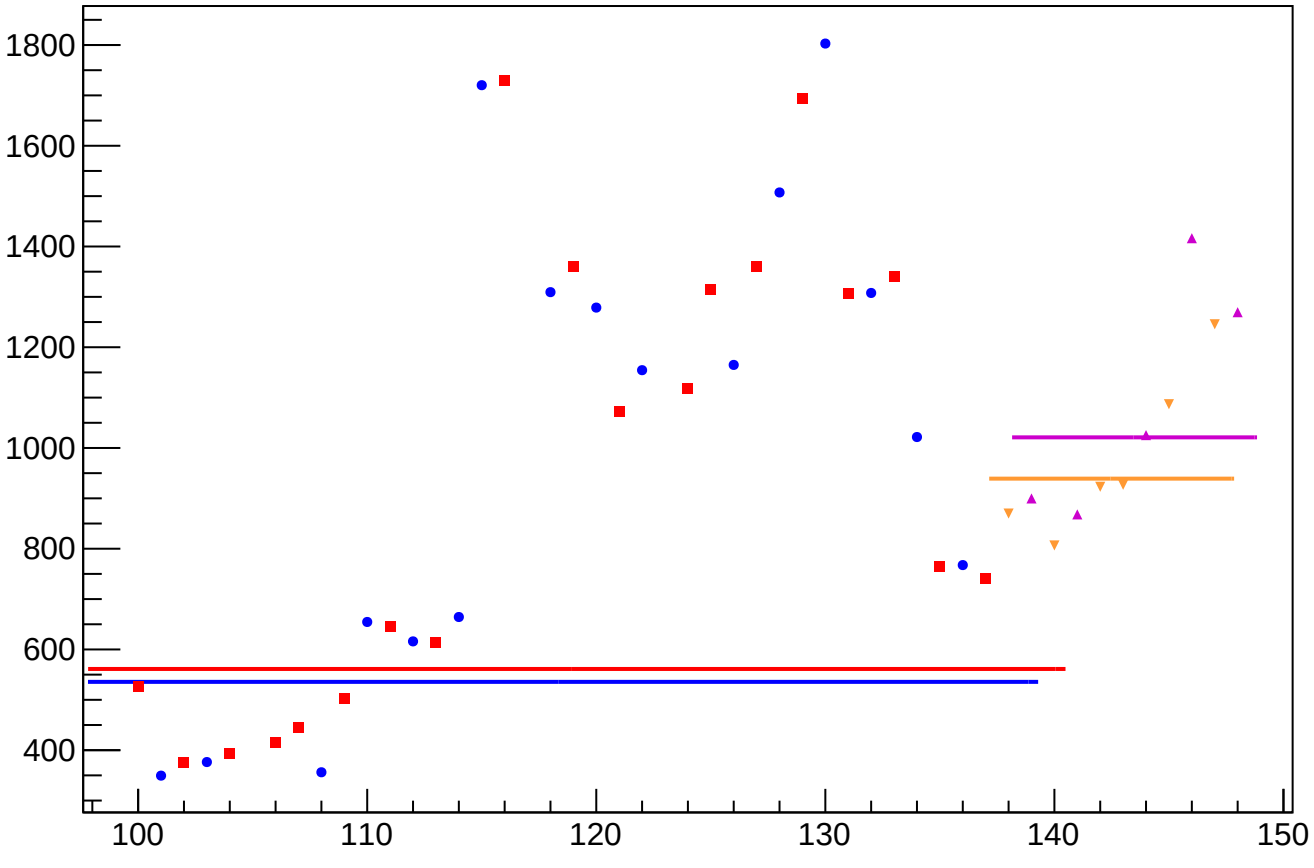
Left: 305.647+/-333.199 χ^2/NDF: 12.7/10

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 338.298+/-209.364 χ^2/NDF:19.9/20

Out: 83.041+/-206.528 χ^2/NDF:25.1/24

All: 208.929+/-147.030 χ^2/NDF: 45.7/45



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

Left: 975.677+/-0.236 χ^2/NDF: 501584.2/10

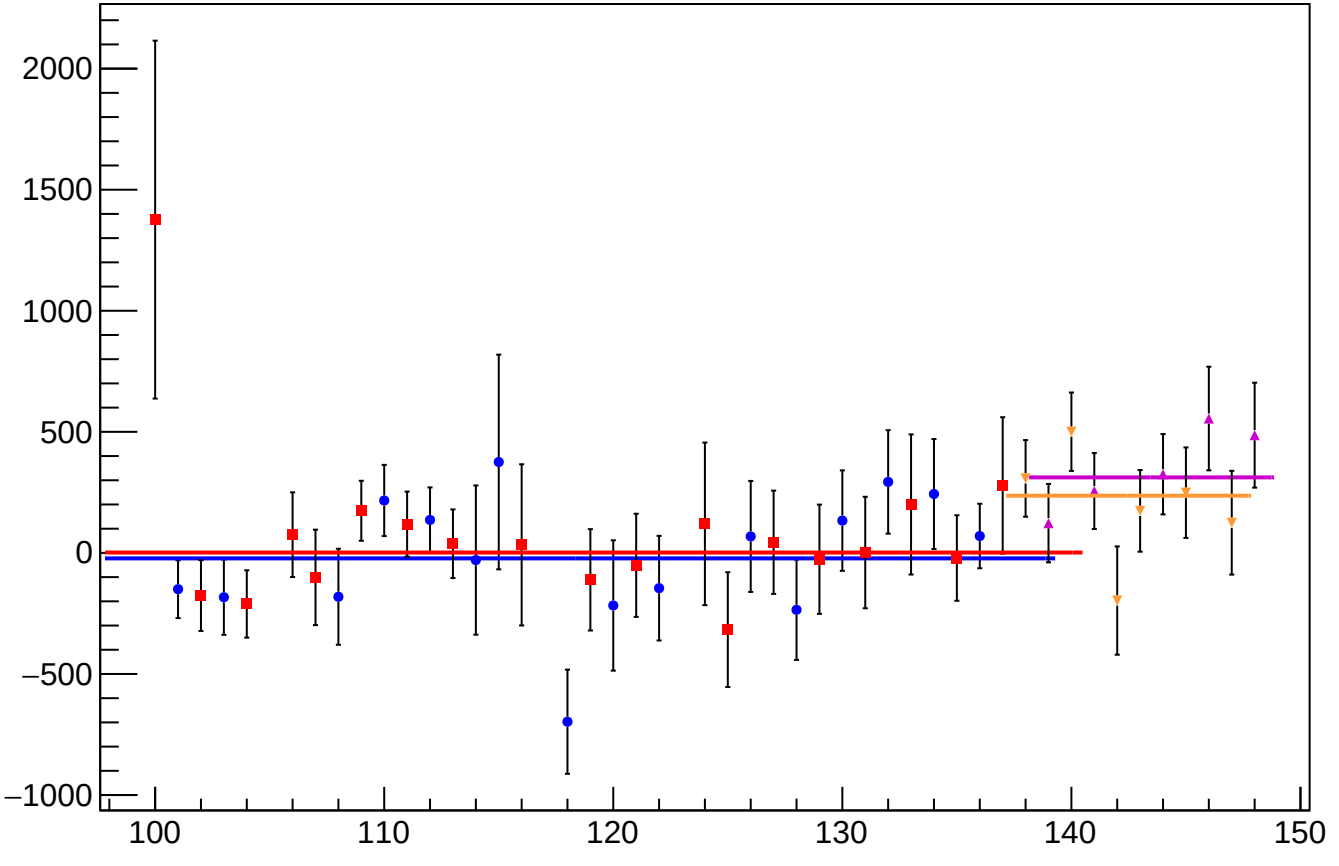
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 621.142+/-0.148 χ^2/NDF:5479198.4/20

Out: 641.691+/-0.146 χ^2/NDF:4437271.4/24

All: 631.556+/-0.104 χ^2/NDF: 9926234.0/45

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 236.308+/-73.795 χ^2/NDF:7.0/5

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 311.911+/-79.516 χ^2/NDF:3.4/4

Left: 271.292+/-54.090 χ^2/NDF: 10.9/10

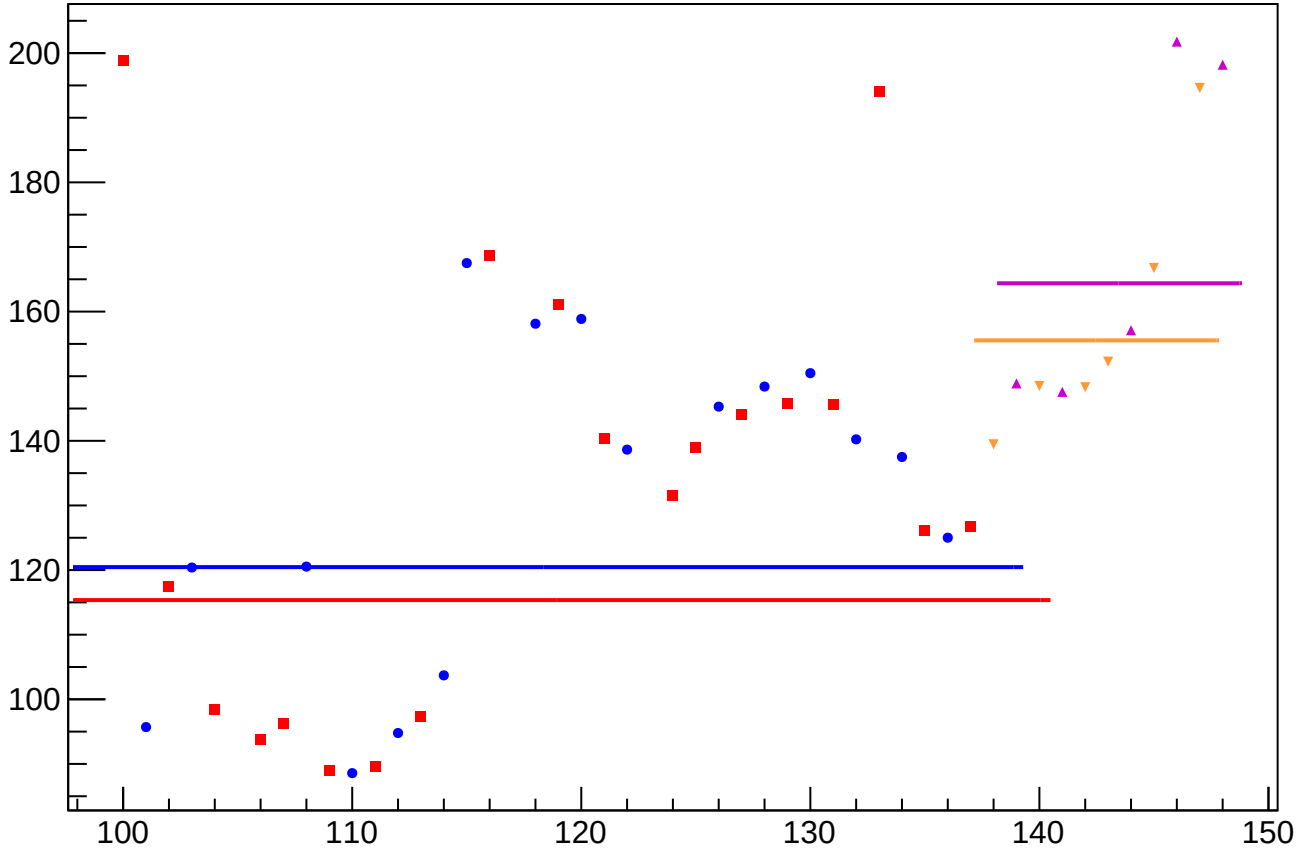
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 60.968+/-39.758 χ^2/NDF:40.9/20

Out: 62.255+/-37.514 χ^2/NDF:28.8/24

All: 61.649+/-27.285 χ^2/NDF: 69.7/45

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 155.544+/-0.052 χ^2/NDF:101011.4/5

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 164.384+/-0.056 χ^2/NDF:154829.2/4

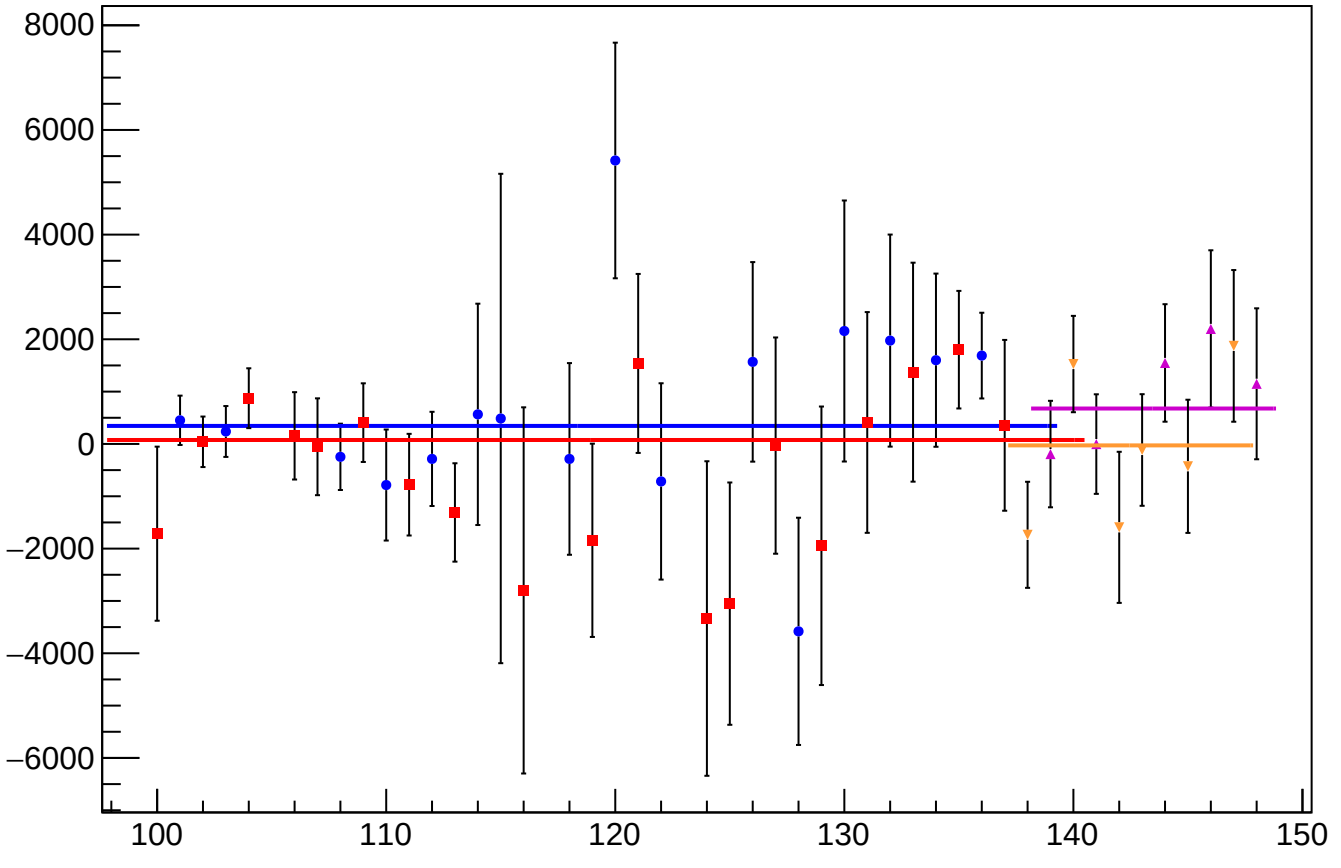
Left: 159.635+/-0.038 χ^2/NDF: 269118.9/10

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 131.439+/-0.028 χ^2/NDF:1142893.3/20

Out: 125.743+/-0.027 χ^2/NDF:1308108.0/24

All: 128.426+/-0.019 χ^2/NDF: 2472724.9/45



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -27.705+/-465.930 χ^2/NDF:8.7/5

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 676.841+/-513.800 χ^2/NDF:3.0/4

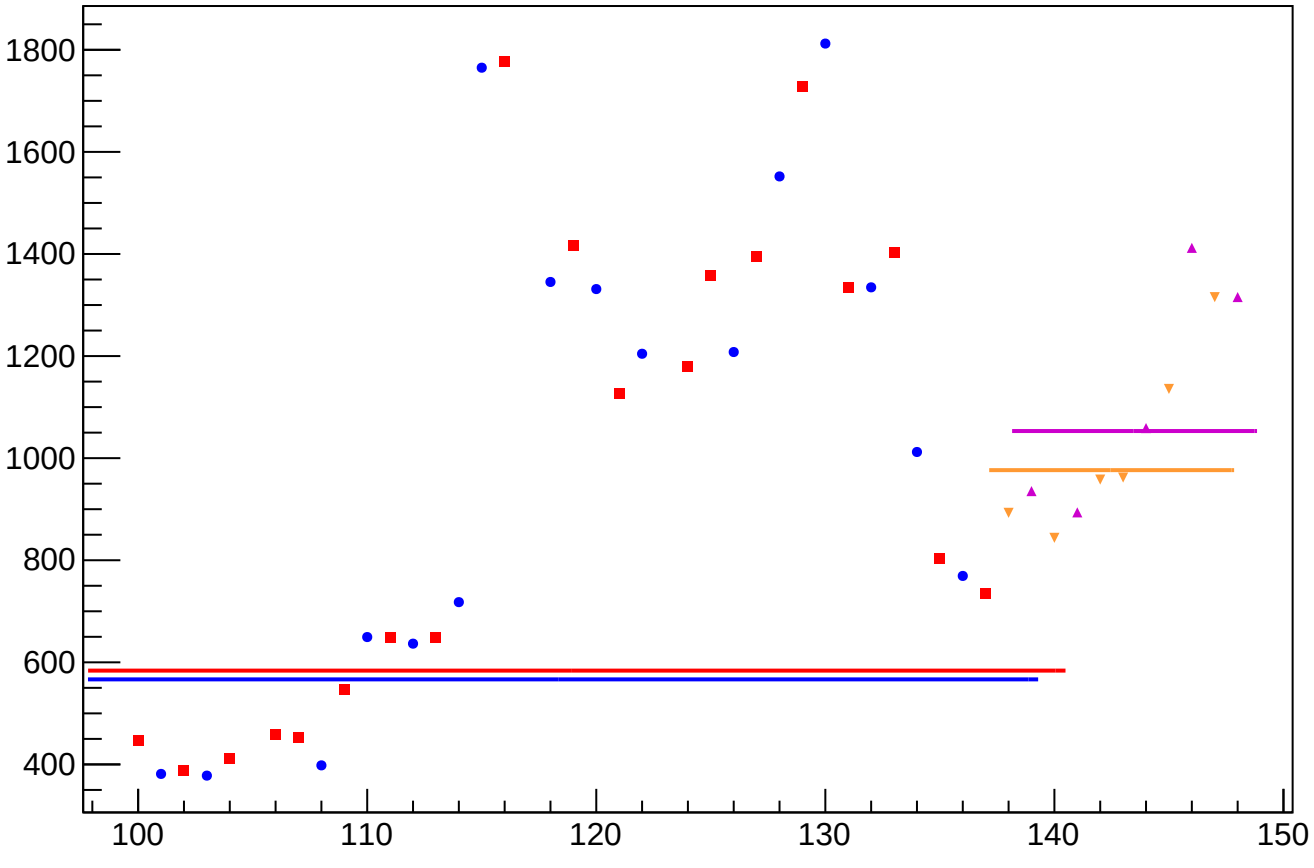
Left: 290.225+/-345.148 χ^2/NDF: 12.7/10

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 404.598+/-218.584 χ^2/NDF:19.6/20

Out: 53.739+/-213.695 χ^2/NDF:24.0/24

All: 225.200+/-152.805 χ^2/NDF: 44.9/45



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 976.530+/-0.329 χ^2/NDF:196429.9/5

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1053.143+/-0.363 χ^2/NDF:263238.5/4

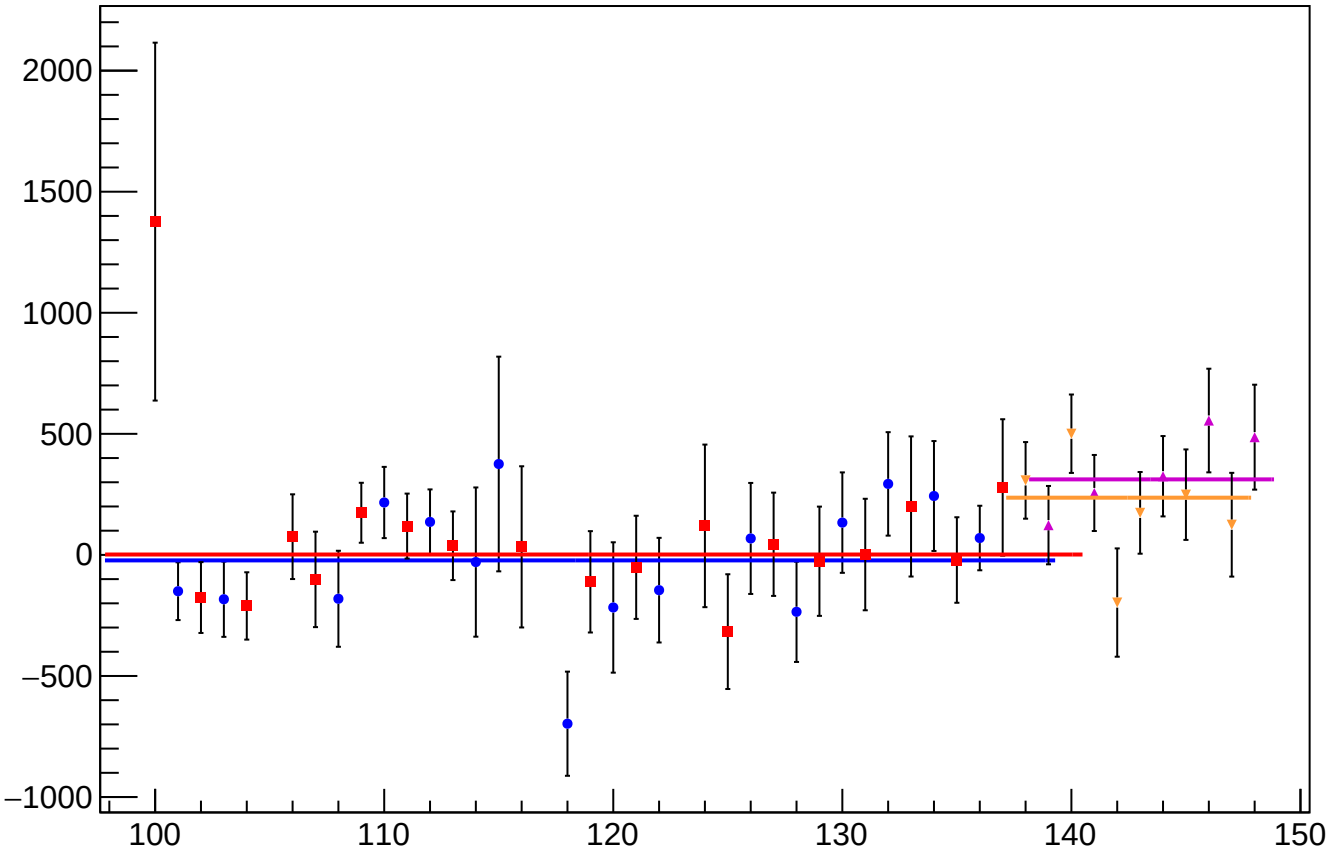
Left: 1011.102+/-0.244 χ^2/NDF: 484070.2/10

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 654.661+/-0.155 χ^2/NDF:5164497.0/20

Out: 666.407+/-0.151 χ^2/NDF:4426020.5/24

All: 660.667+/-0.108 χ^2/NDF: 9593470.2/45



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 236.311+/-73.794 χ^2/NDF:7.0/5

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 311.910+/-79.516 χ^2/NDF:3.4/4

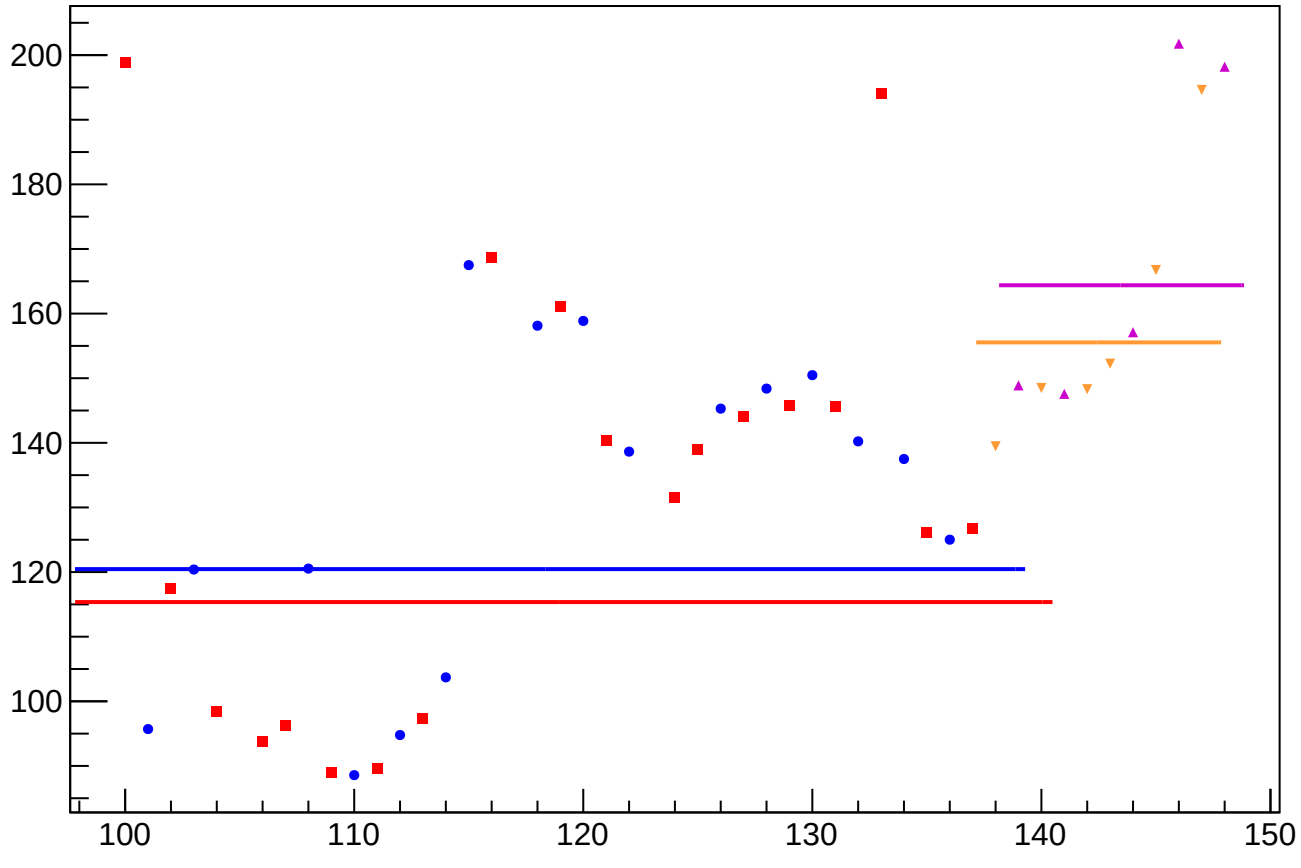
Left: 271.293+/-54.090 χ^2/NDF: 10.9/10

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 60.966+/-39.758 χ^2/NDF:40.9/20

Out: 62.257+/-37.514 χ^2/NDF:28.8/24

All: 61.649+/-27.285 χ^2/NDF: 69.7/45



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 155.544+/-0.052 χ^2/NDF:101010.2/5

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 164.383+/-0.056 χ^2/NDF:154829.5/4

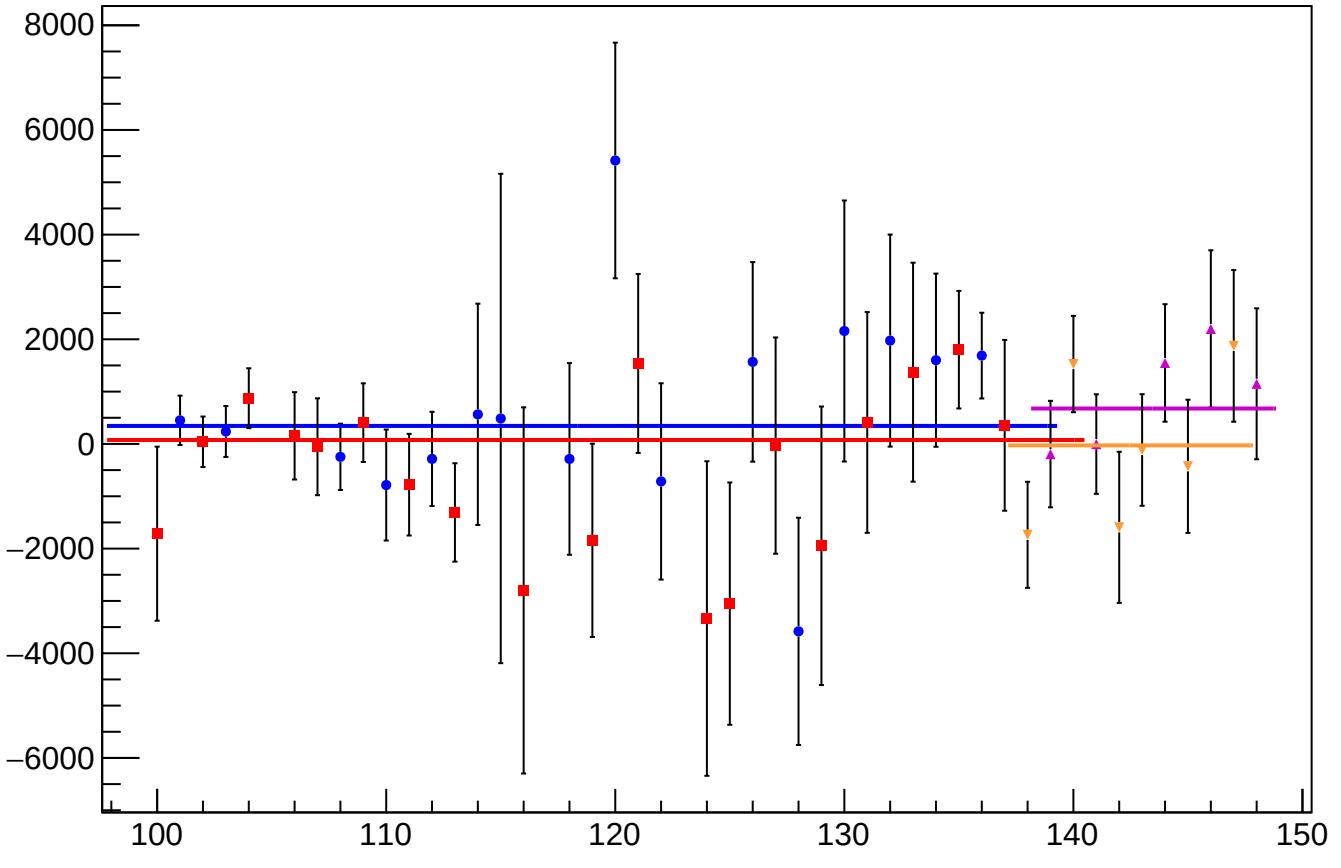
Left: 159.634+/-0.038 χ^2/NDF: 269118.2/10

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 131.439+/-0.028 χ^2/NDF:1142899.4/20

Out: 125.742+/-0.027 χ^2/NDF:1308105.8/24

All: 128.425+/-0.019 χ^2/NDF: 2472728.6/45



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -27.700+/-465.929 χ^2/NDF:8.7/5

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 676.839+/-513.800 χ^2/NDF:3.0/4

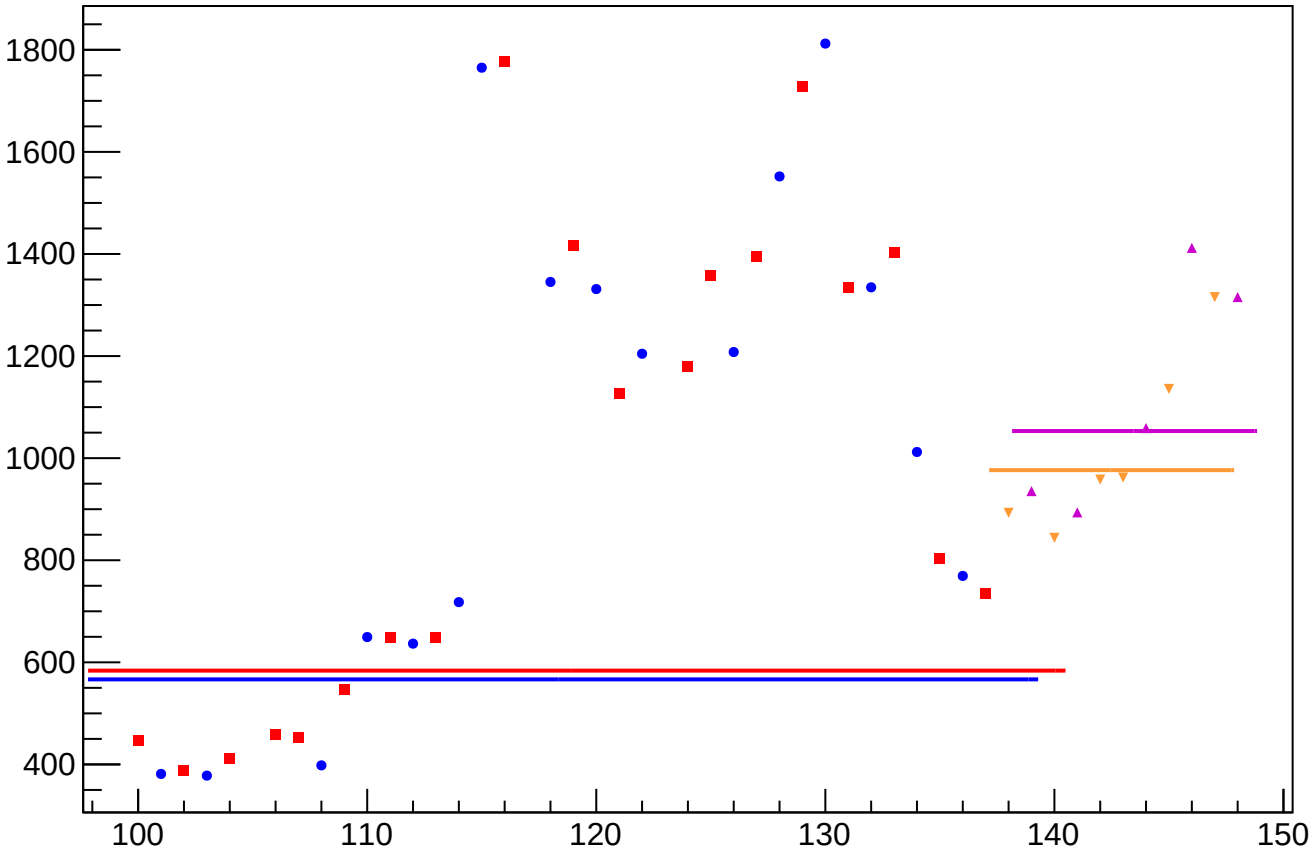
Left: 290.227+/-345.148 χ^2/NDF: 12.7/10

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 404.597+/-218.584 χ^2/NDF:19.6/20

Out: 53.741+/-213.695 χ^2/NDF:24.0/24

All: 225.201+/-152.804 χ^2/NDF: 44.9/45



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 976.528+/-0.329 χ^2/NDF:196430.0/5

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1053.142+/-0.363 χ^2/NDF:263239.1/4

Left: 1011.101+/-0.244 χ^2/NDF: 484071.0/10

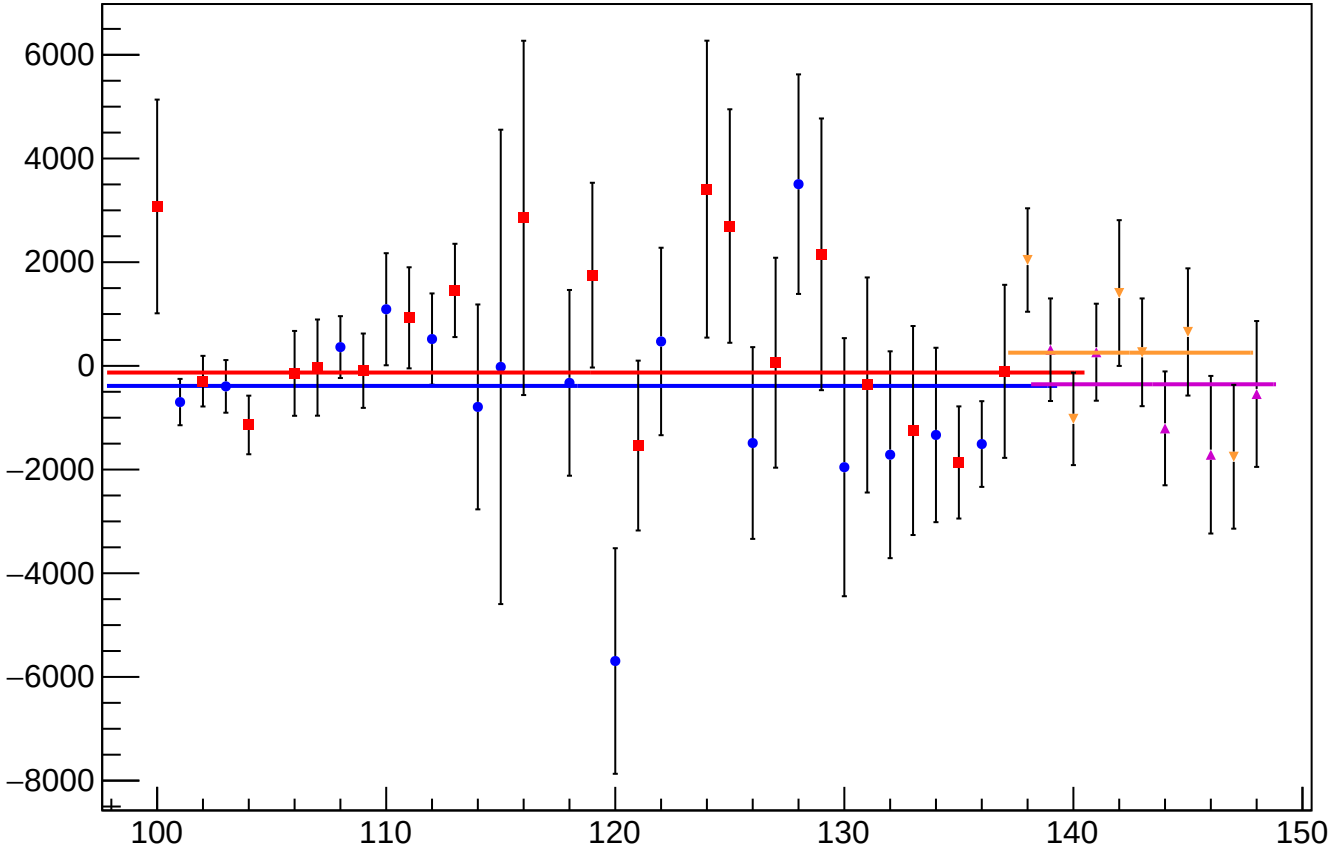
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 654.660+/-0.155 χ^2/NDF:5164503.7/20

Out: 666.406+/-0.151 χ^2/NDF:4426019.3/24

All: 660.666+/-0.108 χ^2/NDF: 9593475.9/45

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 254.670+/-452.787 χ^2/NDF:8.1/5

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: -354.916+/-504.356 χ^2/NDF:2.3/4

Left: -17.375+/-336.930 χ^2/NDF: 11.2/10

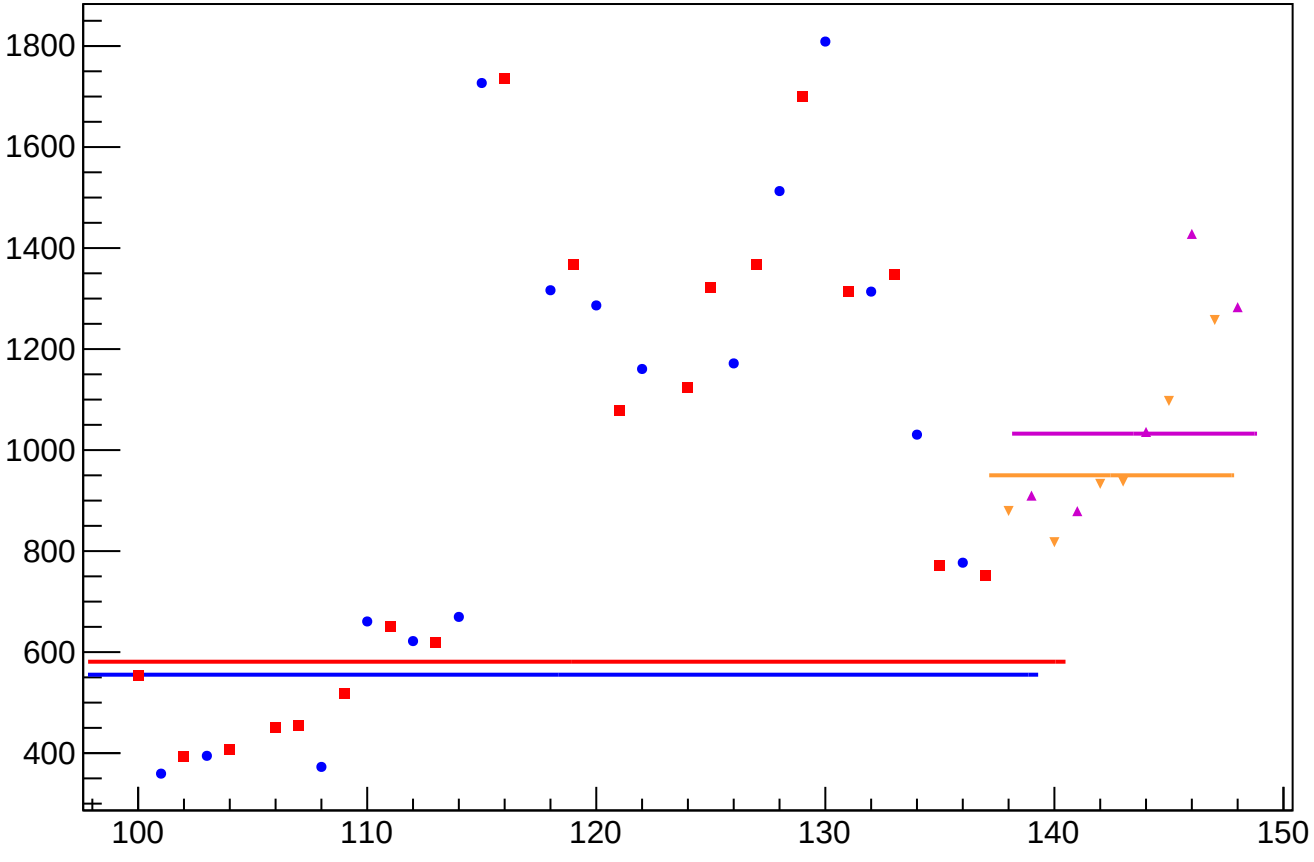
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -380.785+/-214.887 χ^2/NDF:20.3/20

Out: -45.485+/-210.837 χ^2/NDF:28.1/24

All: -209.945+/-150.496 χ^2/NDF: 49.6/45

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 950.086+/-0.320 χ^2/NDF:181844.3/5

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1032.551+/-0.357 χ^2/NDF:283332.3/4

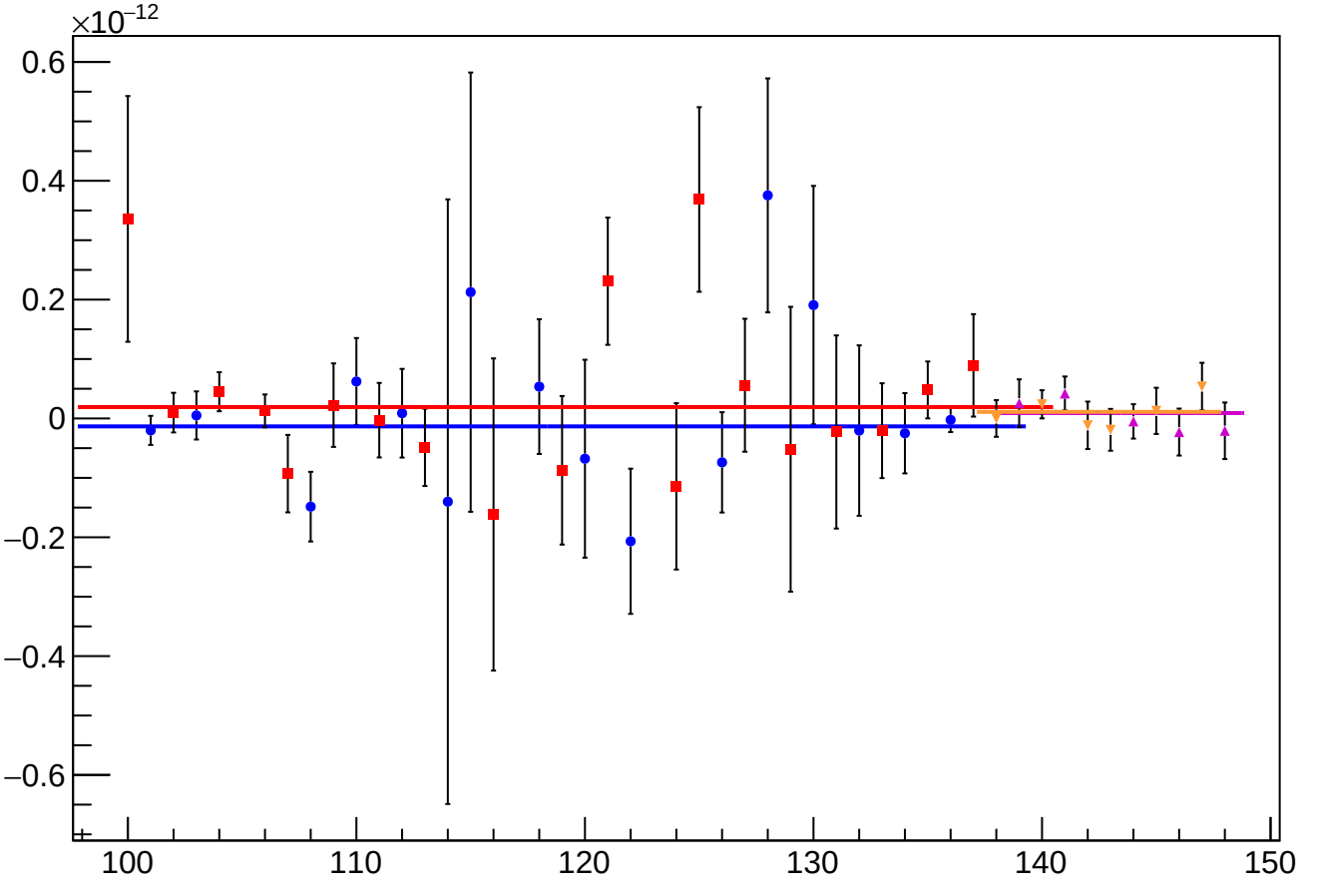
Left: 986.888+/-0.238 χ^2/NDF: 494782.6/10

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 641.928+/-0.152 χ^2/NDF:5231638.4/20

Out: 661.023+/-0.149 χ^2/NDF:4206208.1/24

All: 651.657+/-0.106 χ^2/NDF: 9445892.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

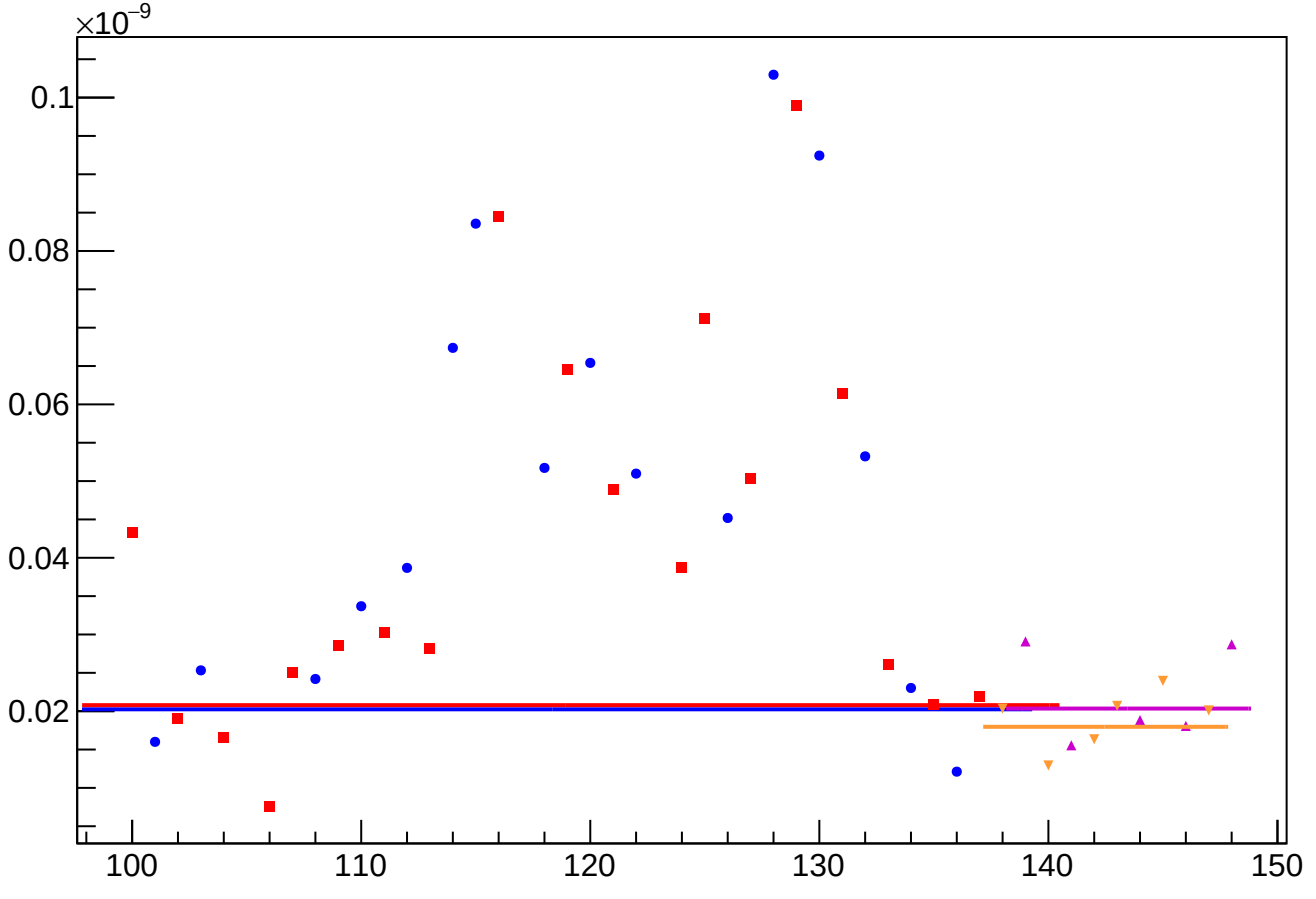
Left: 0.000+/-0.000 χ^2/NDF: 5.4/10

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:19.9/20

Out: 0.000+/-0.000 χ^2/NDF:22.7/24

All: 0.000+/-0.000 χ^2/NDF: 44.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:171092.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:224938.6/4

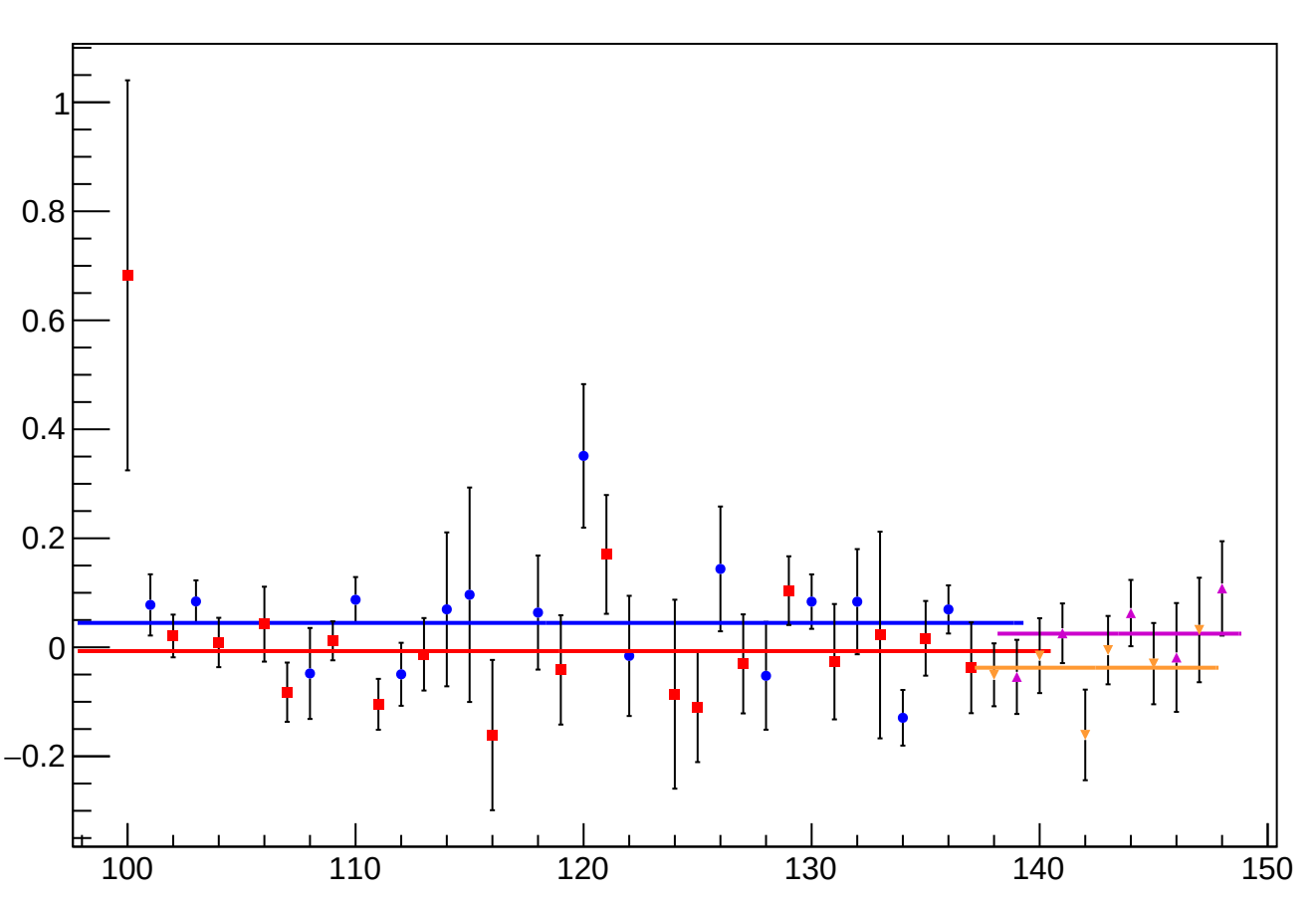
Left: 0.000+/-0.000 χ^2/NDF: 422789.7/10

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2229662.6/20

Out: 0.000+/-0.000 χ^2/NDF:2069780.6/24

All: 0.000+/-0.000 χ^2/NDF: 4308959.2/45



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

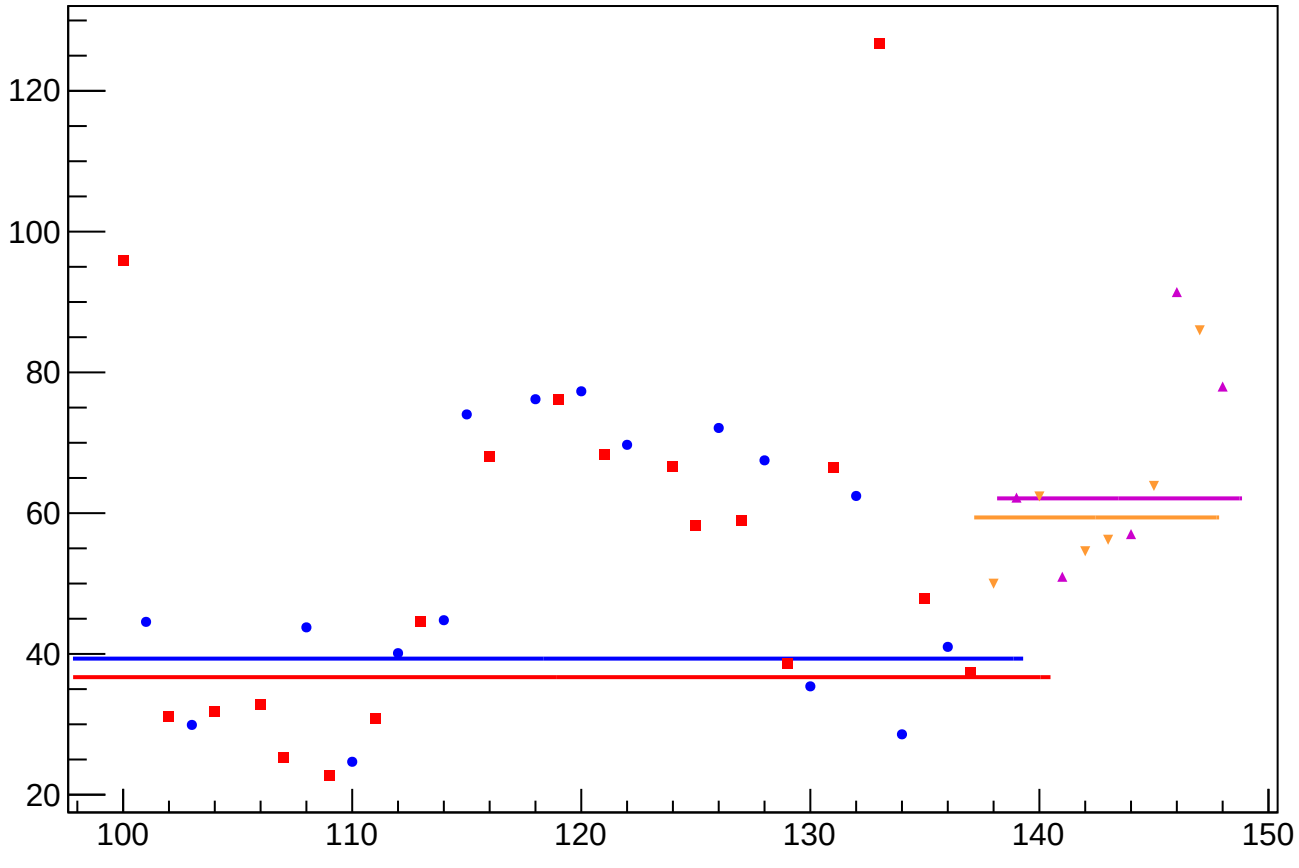
Left: -0.008+/-0.021 χ^2/NDF: 8.2/10

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.012+/-0.010 χ^2/NDF: 61.6/45



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

Left: 60.658+/-0.015 χ^2/NDF: 574371.9/10

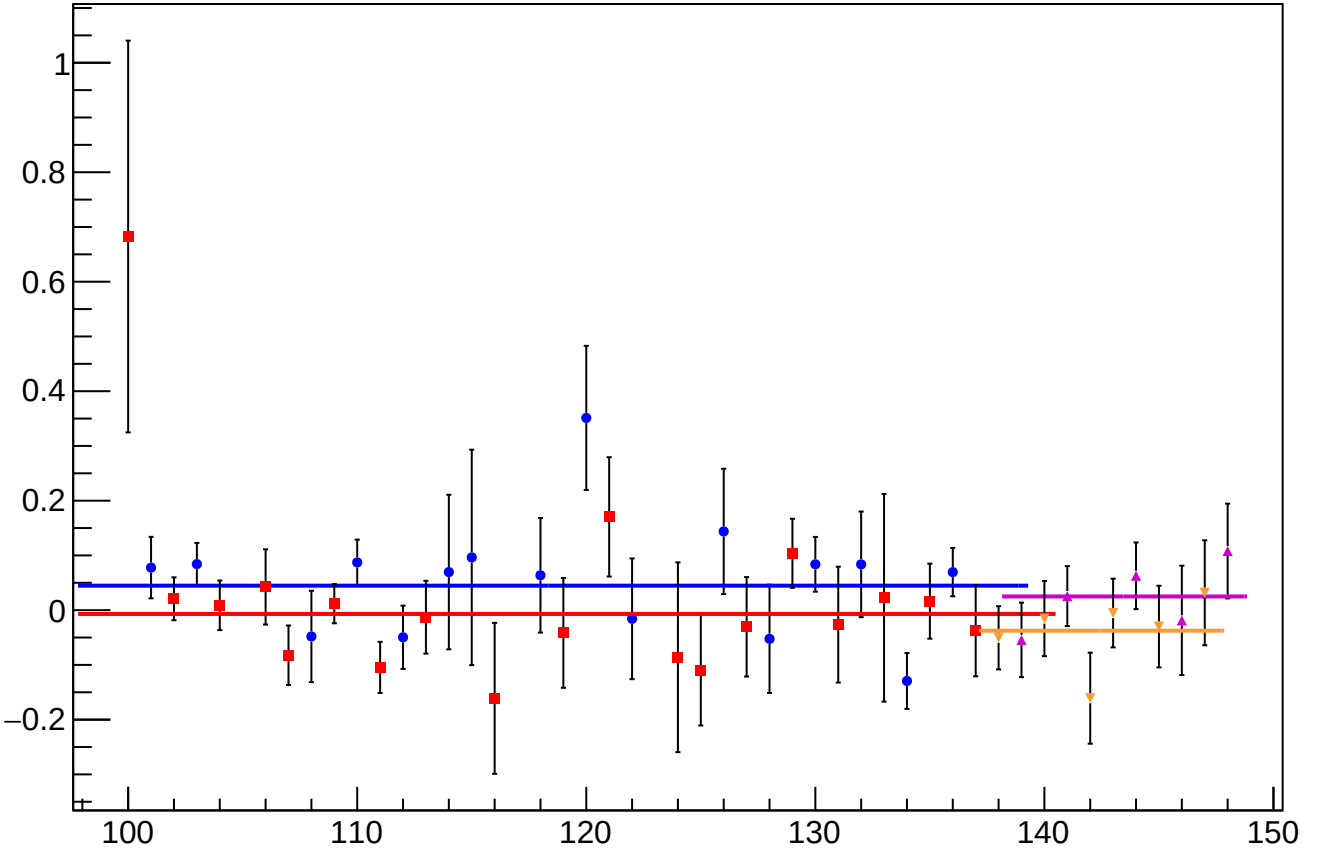
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 44.182+/-0.010 χ^2/NDF:2762636.4/20

Out: 41.579+/-0.009 χ^2/NDF:3296394.2/24

All: 42.803+/-0.007 χ^2/NDF: 6094553.2/45

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

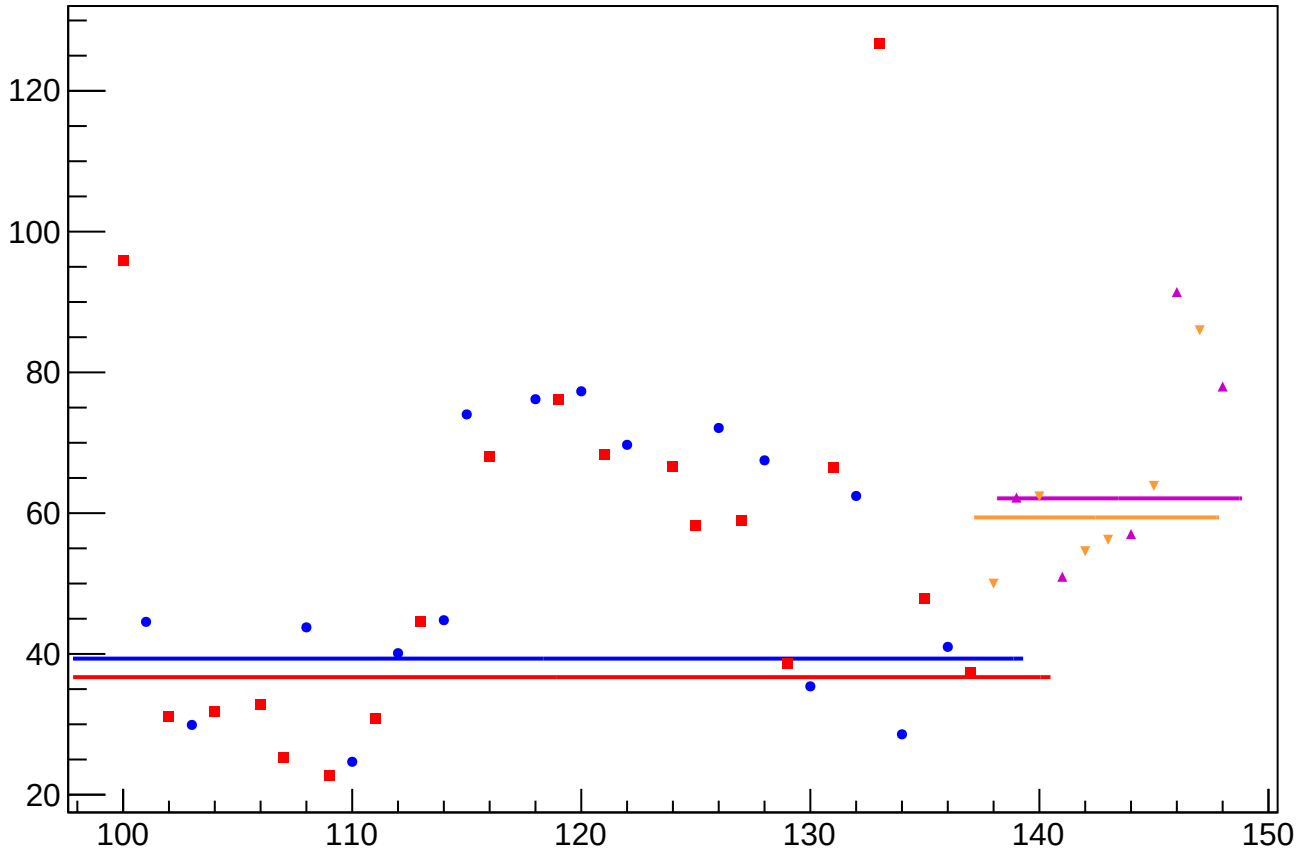
Left: -0.008+/-0.021 χ^2/NDF: 8.2/10

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.012+/-0.010 χ^2/NDF: 61.6/45



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

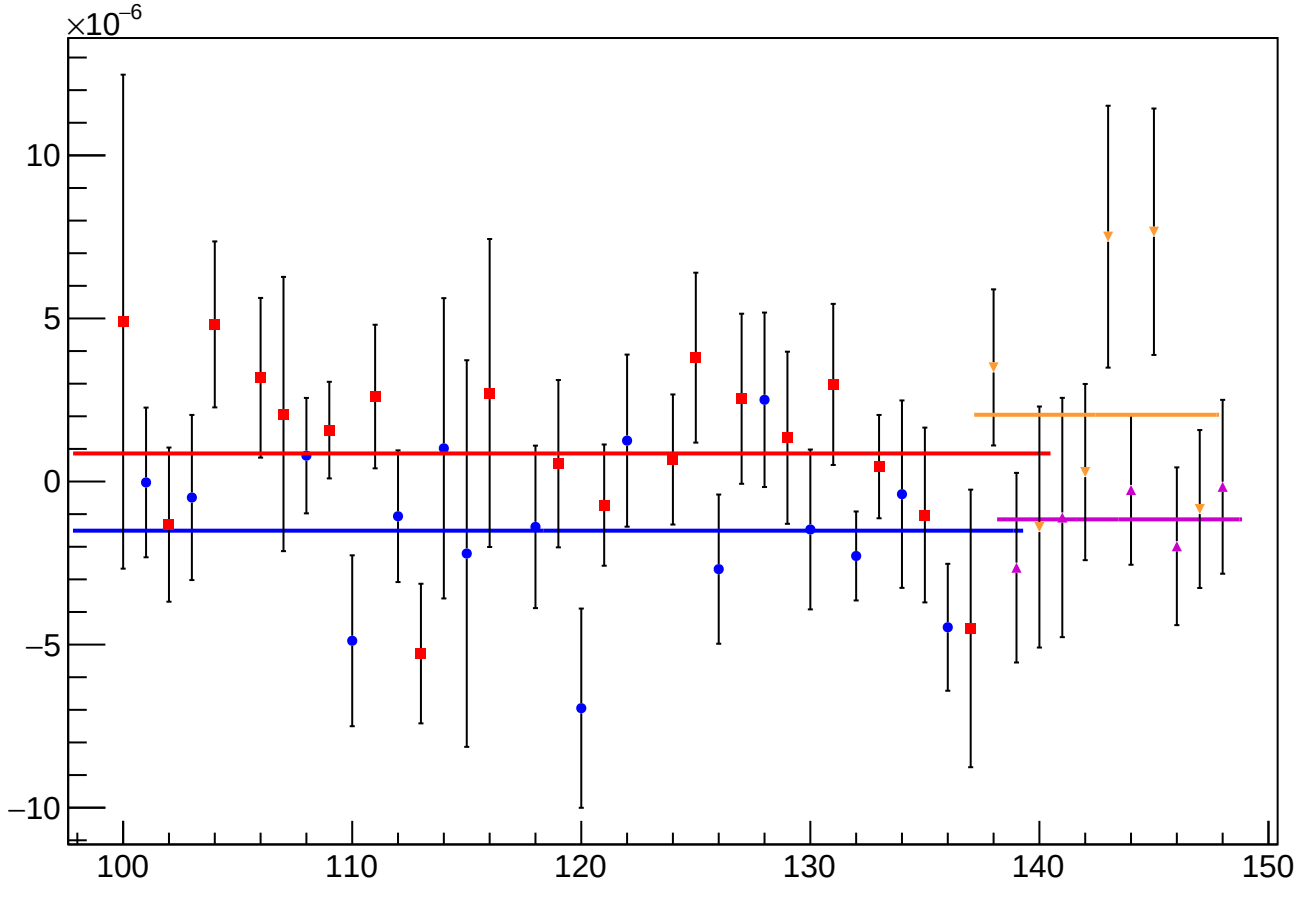
Left: 60.658+/-0.015 χ^2/NDF: 574371.9/10

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 44.182+/-0.010 χ^2/NDF:2762636.4/20

Out: 41.579+/-0.009 χ^2/NDF:3296394.2/24

All: 42.803+/-0.007 χ^2/NDF: 6094553.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

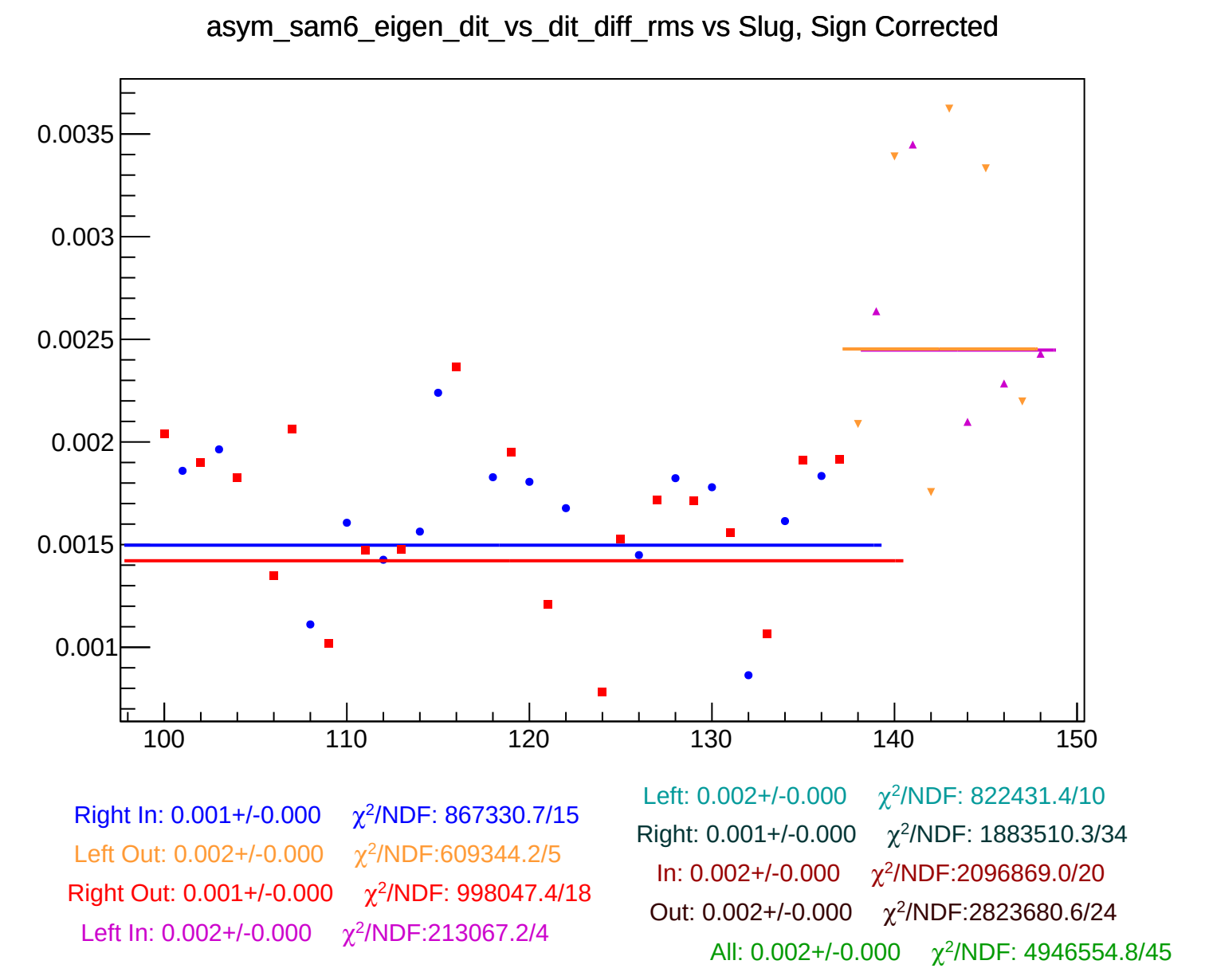
Left: 0.000+/-0.000 χ^2/NDF: 11.4/10

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

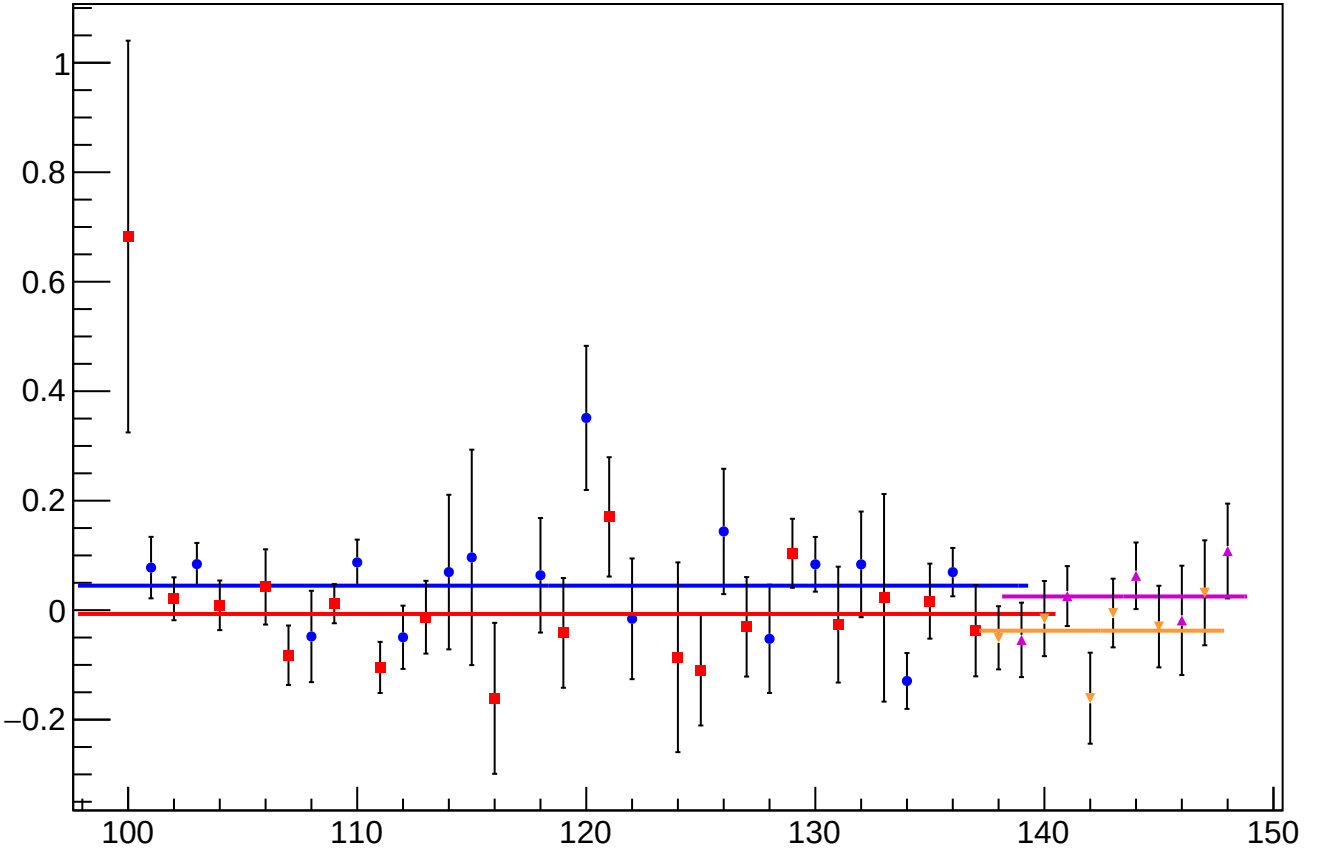
In: -0.000+/-0.000 χ^2/NDF:14.6/20

Out: 0.000+/-0.000 χ^2/NDF:27.1/24

All: -0.000+/-0.000 χ^2/NDF: 53.7/45


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:609344.2/5
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:213067.2/4
Left: 0.002+/-0.000 χ²/NDF: 822431.4/10
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:2096869.0/20
Out: 0.002+/-0.000 χ²/NDF:2823680.6/24
All: 0.002+/-0.000 χ²/NDF: 4946554.8/45

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: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

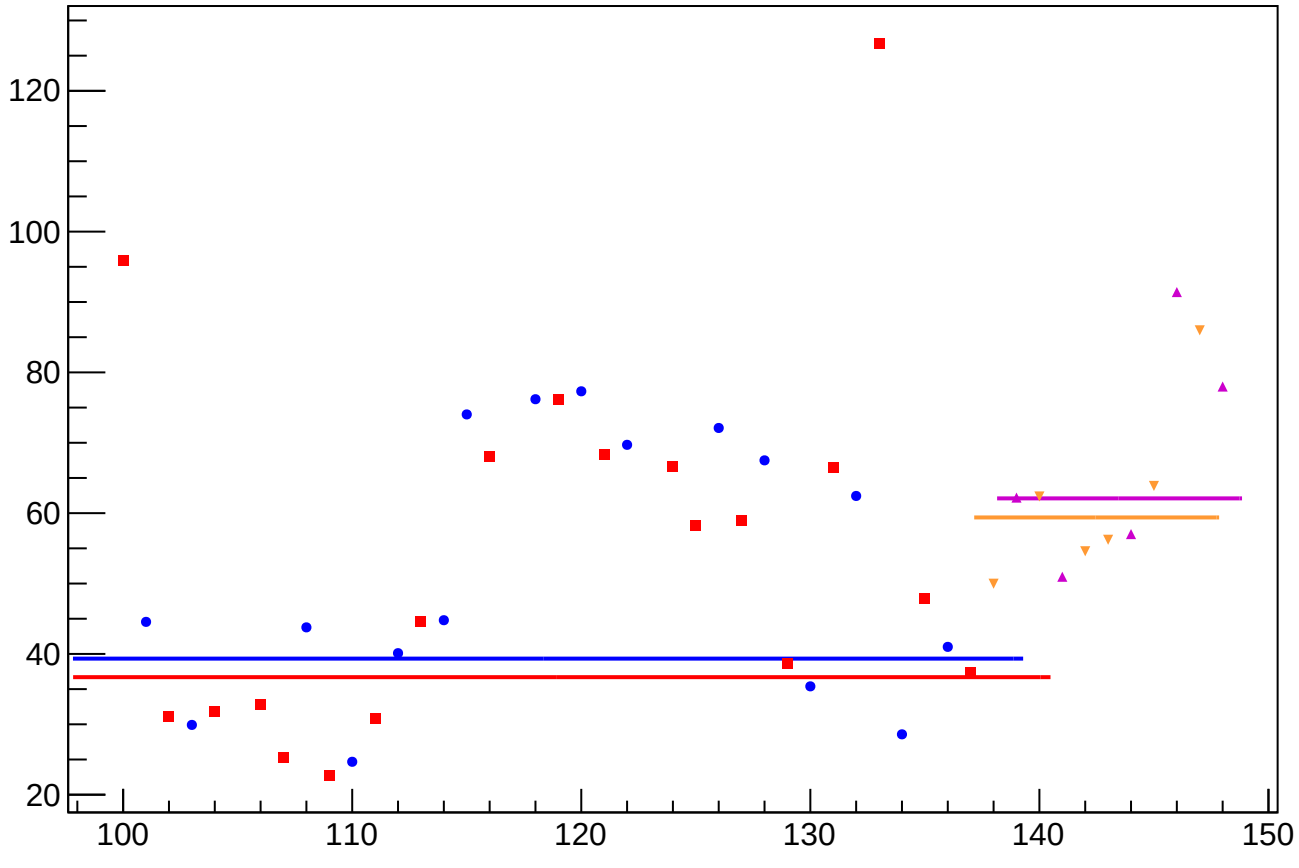
Left: -0.008+/-0.021 χ^2/NDF: 8.2/10

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.012+/-0.010 χ^2/NDF: 61.6/45



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.391+/-0.020 χ^2/NDF:229763.4/5

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

Left: 60.657+/-0.015 χ^2/NDF: 574372.1/10

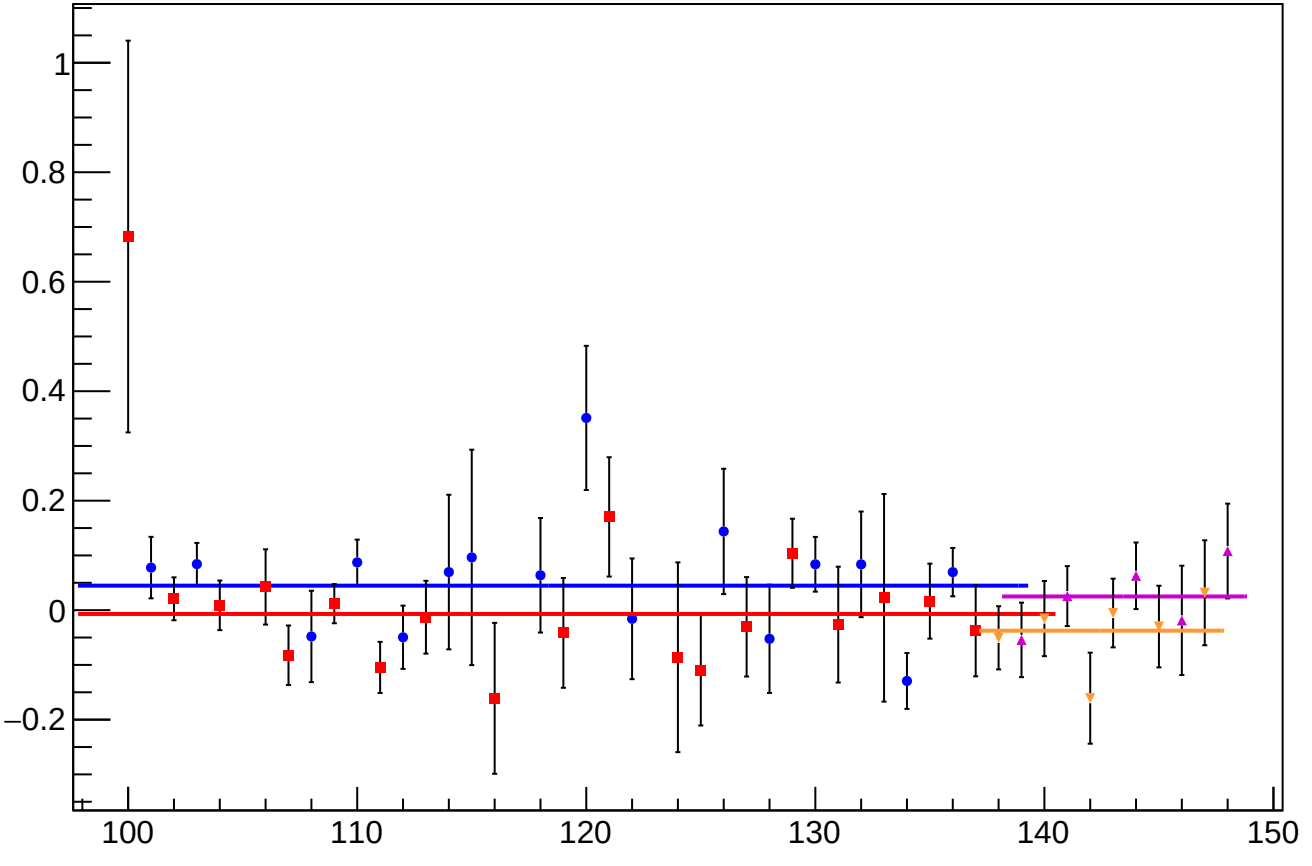
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 44.181+/-0.010 χ^2/NDF:2762674.3/20

Out: 41.579+/-0.009 χ^2/NDF:3296363.7/24

All: 42.802+/-0.007 χ^2/NDF: 6094554.0/45

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: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

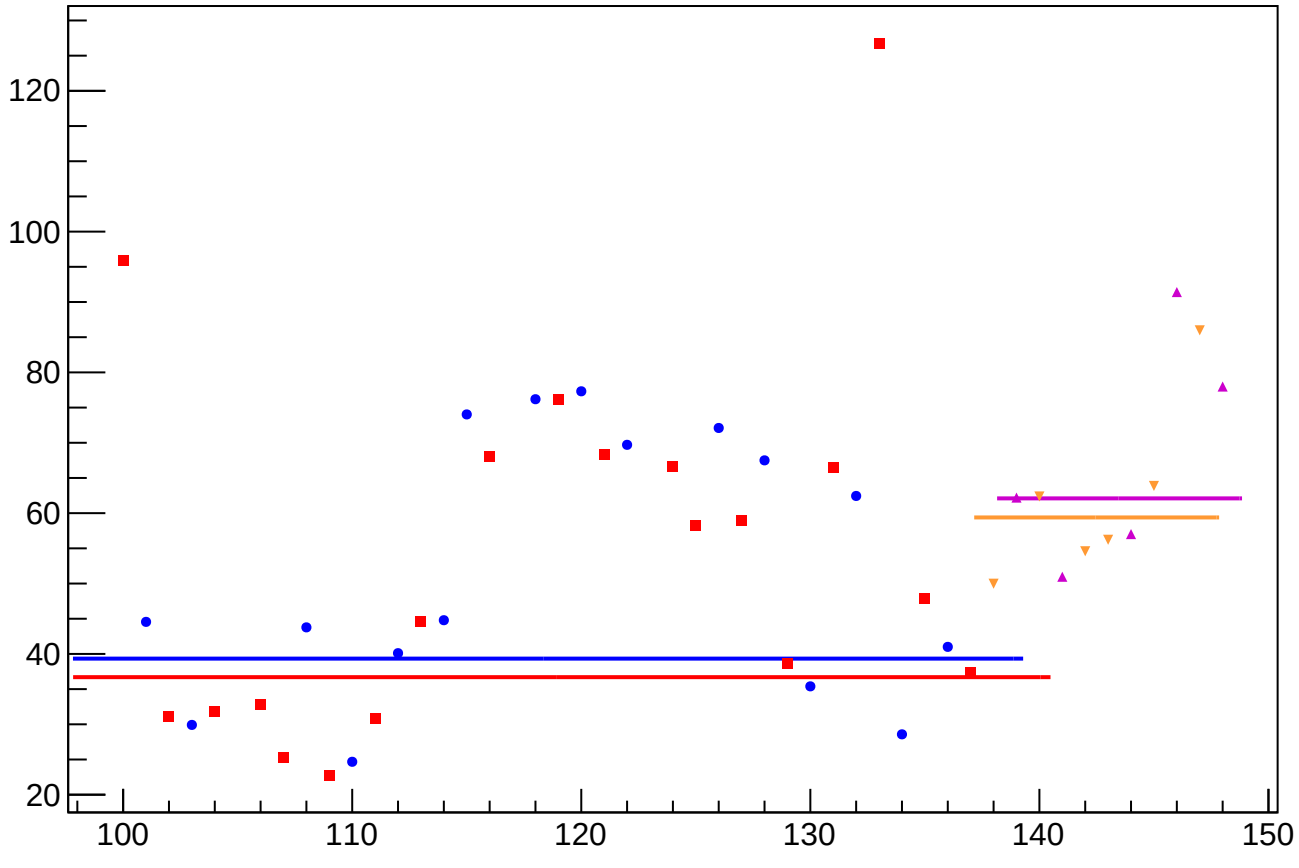
Left: -0.008+/-0.021 χ^2/NDF: 8.2/10

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.012+/-0.010 χ^2/NDF: 61.6/45



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.391+/-0.020 χ^2/NDF:229763.4/5

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

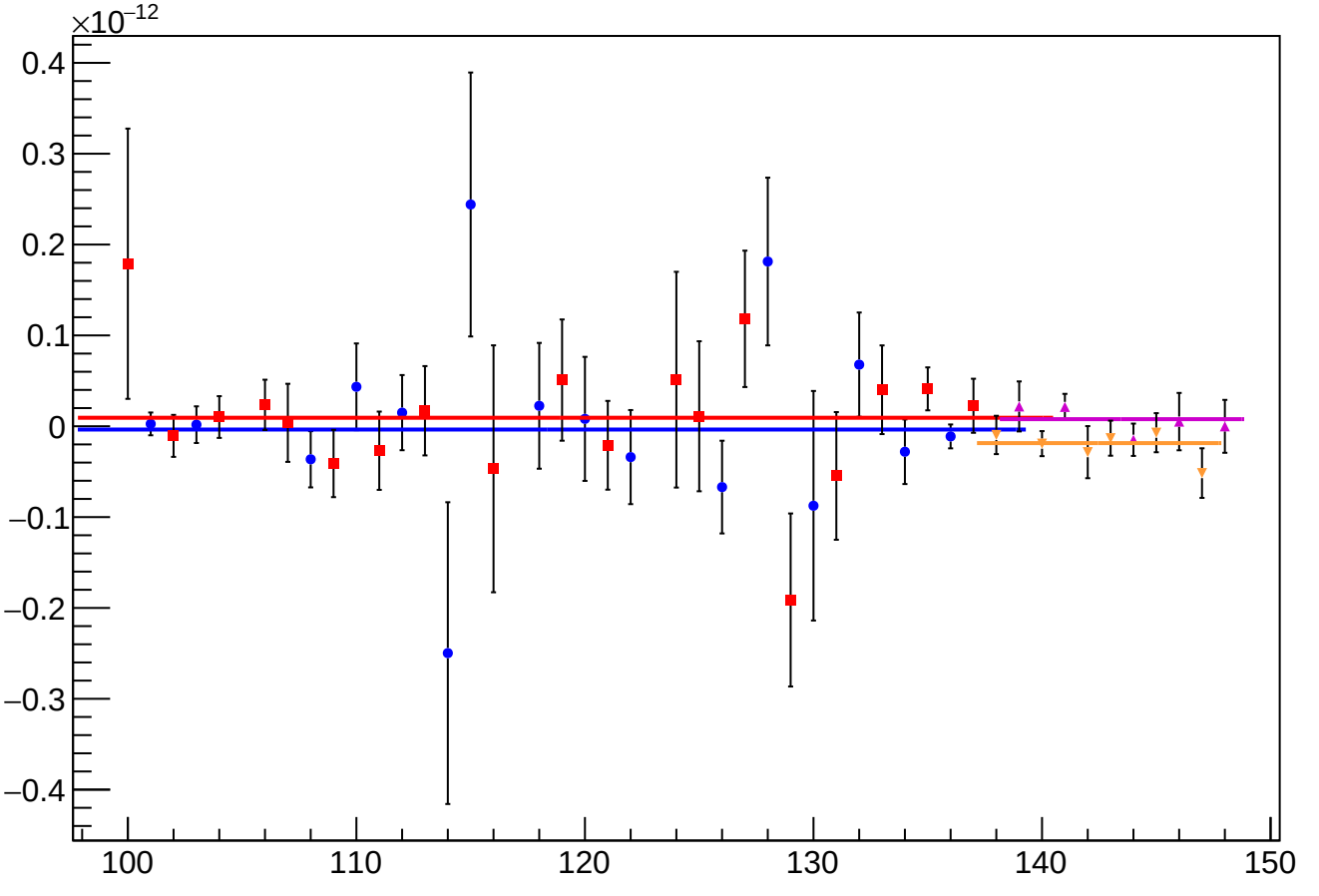
Left: 60.657+/-0.015 χ^2/NDF: 574372.1/10

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 44.181+/-0.010 χ^2/NDF:2762674.3/20

Out: 41.579+/-0.009 χ^2/NDF:3296363.7/24

All: 42.802+/-0.007 χ^2/NDF: 6094554.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

Left: -0.000+/-0.000 χ^2/NDF: 9.5/10

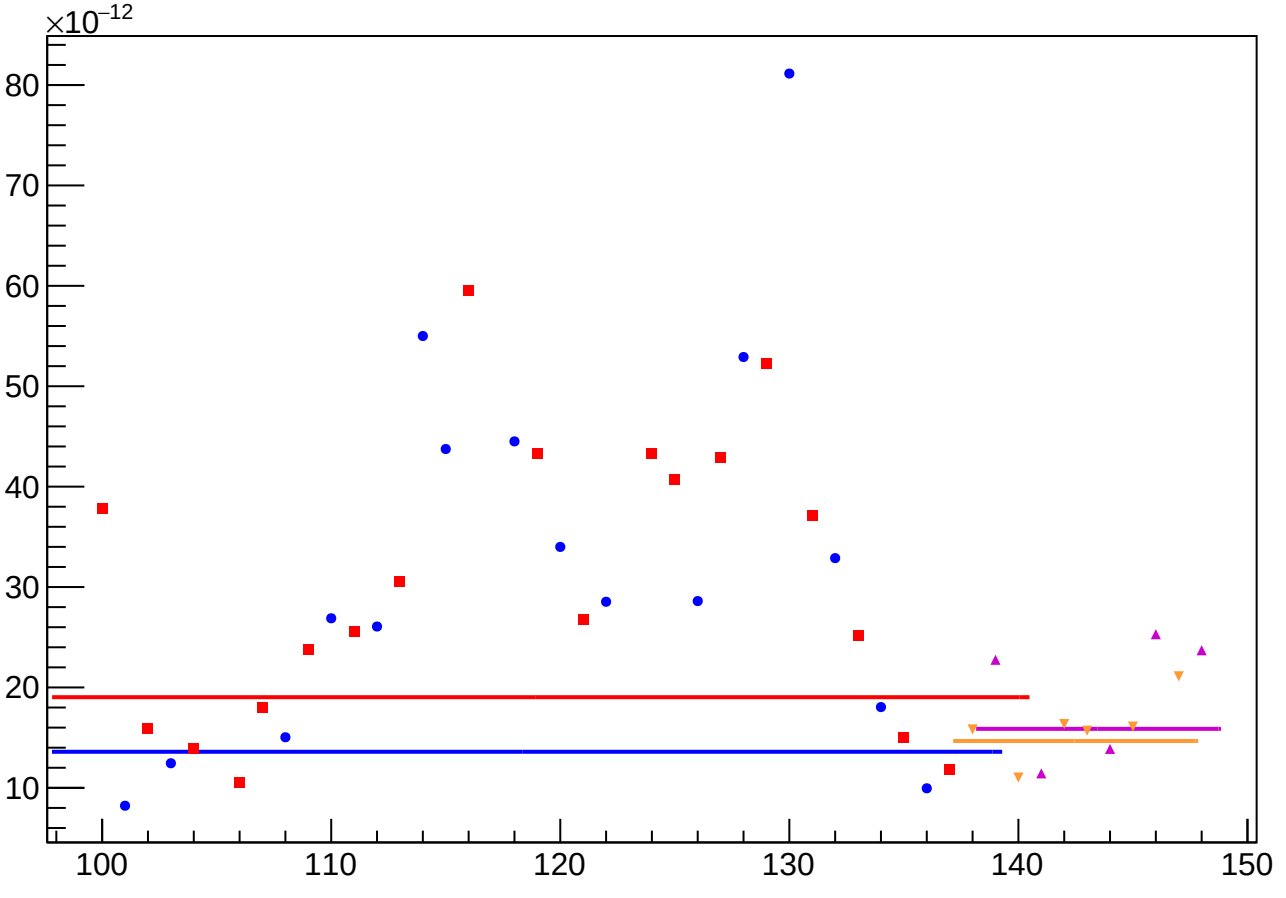
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.4/20

Out: -0.000+/-0.000 χ^2/NDF:23.1/24

All: -0.000+/-0.000 χ^2/NDF: 44.1/45

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:278510.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:663844.1/4

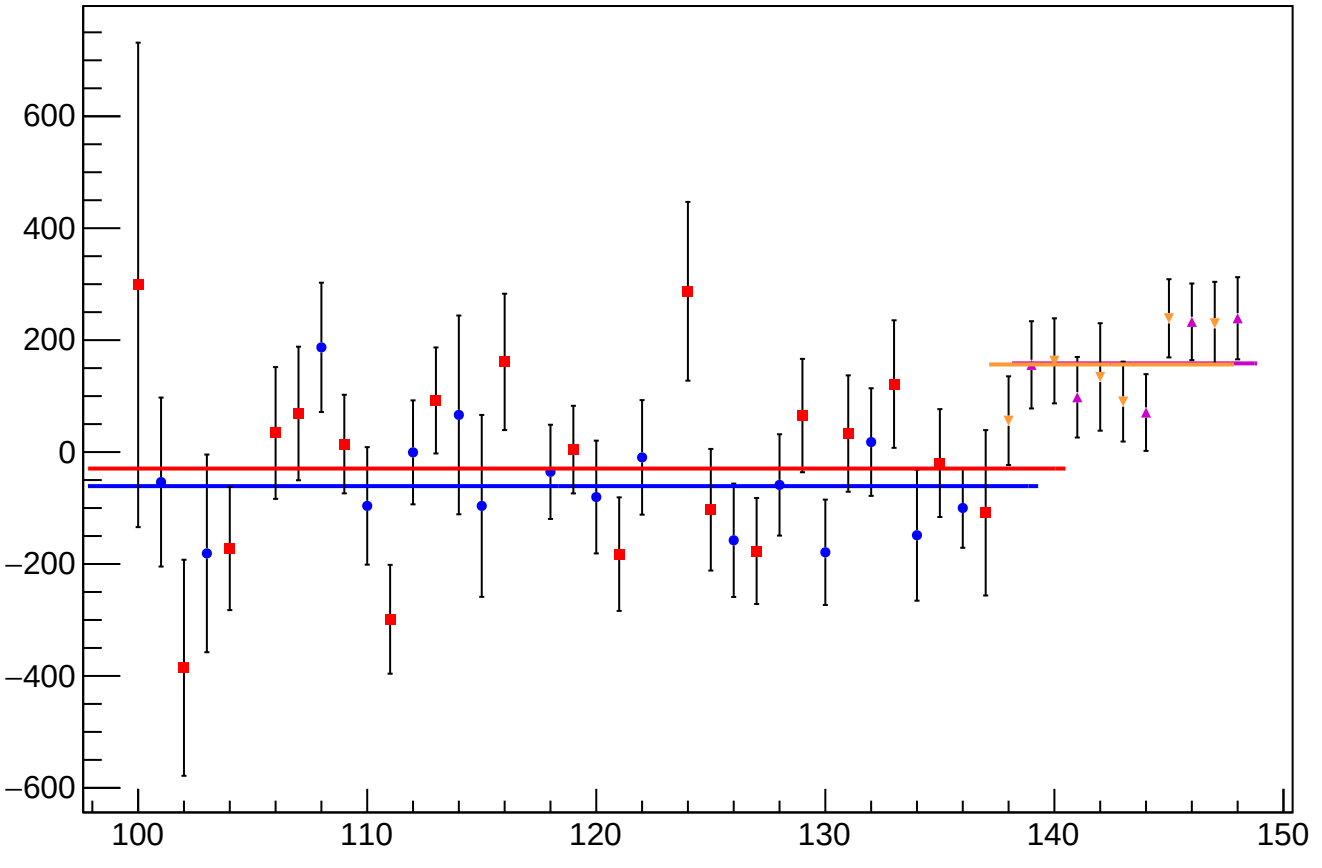
Left: 0.000+/-0.000 χ^2/NDF: 961376.7/10

Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:3925906.9/20

Out: 0.000+/-0.000 χ^2/NDF:2582156.9/24

All: 0.000+/-0.000 χ^2/NDF: 6643376.0/45



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.518+/-31.254 χ^2/NDF:4.9/5

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 158.481+/-32.111 χ^2/NDF:4.7/4

Left: 157.473+/-22.397 χ^2/NDF: 9.6/10

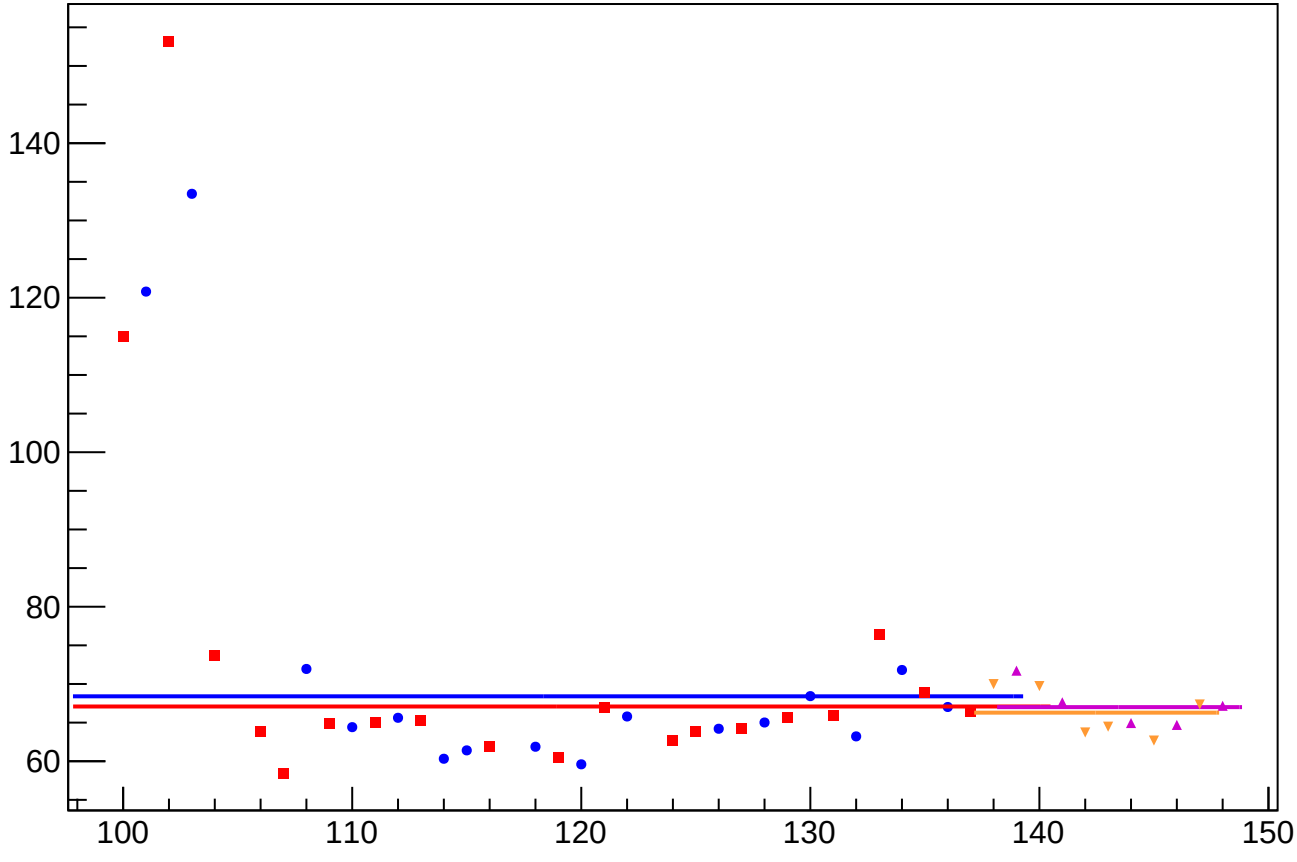
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 26.222+/-20.232 χ^2/NDF:43.4/20

Out: 43.482+/-19.573 χ^2/NDF:57.6/24

All: 35.138+/-14.067 χ^2/NDF: 101.4/45

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

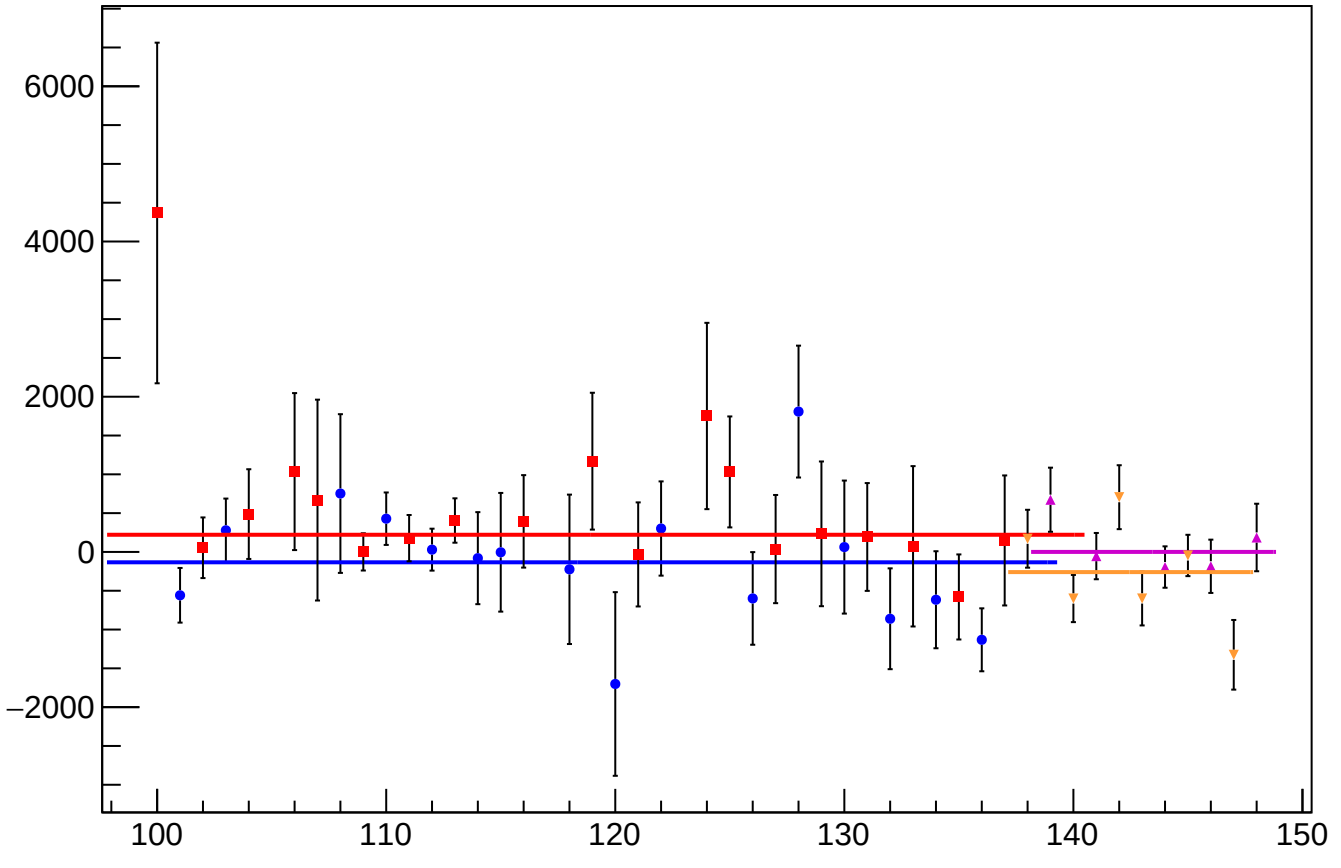
Left: 66.638+/-0.016 χ^2/NDF: 28986.3/10

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.848+/-0.014 χ^2/NDF:583401.5/20

Out: 66.774+/-0.014 χ^2/NDF:499524.4/24

All: 67.293+/-0.010 χ^2/NDF: 1085840.5/45



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.665+/-139.652 χ^2/NDF:15.3/5

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 0.354+/-149.173 χ^2/NDF:3.7/4

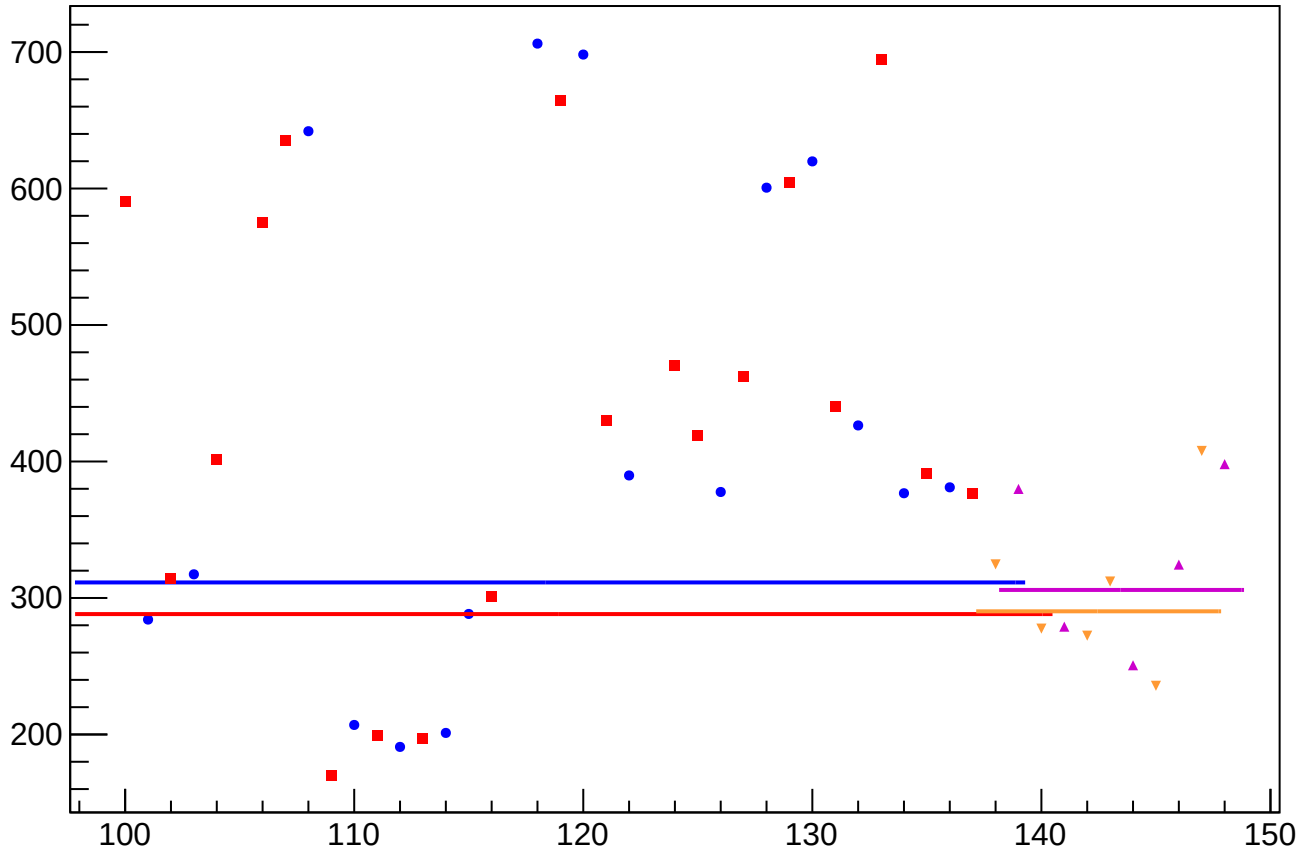
Left: -138.218+/-101.949 χ^2/NDF: 20.6/10

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -77.868+/-96.215 χ^2/NDF:26.6/20

Out: 21.397+/-90.036 χ^2/NDF:34.8/24

All: -24.946+/-65.741 χ^2/NDF: 62.0/45



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 290.231+/-0.099 χ^2/NDF:253327.1/5

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 305.891+/-0.105 χ^2/NDF:261755.0/4

Left: 297.545+/-0.072 χ^2/NDF: 526829.5/10

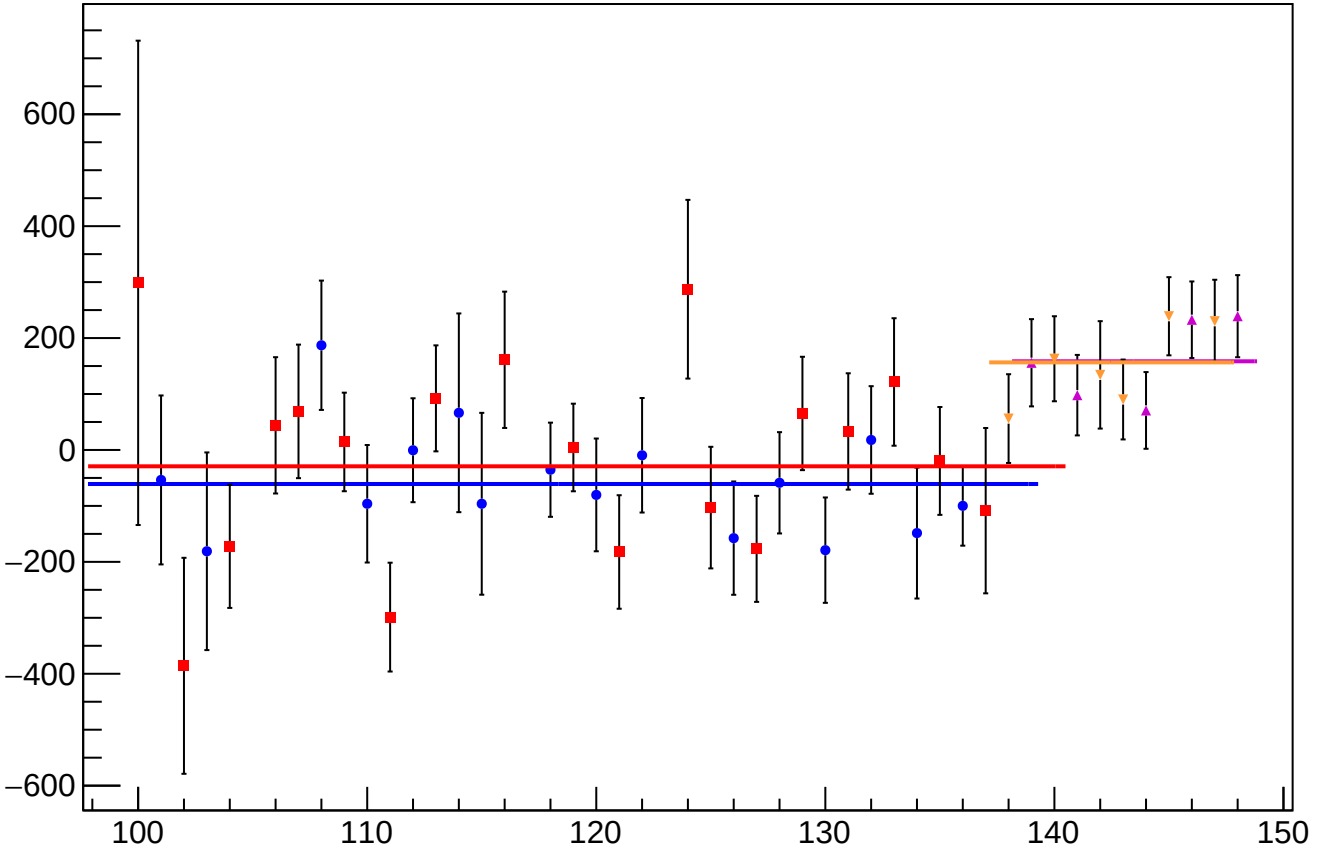
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 309.100+/-0.068 χ^2/NDF:2387137.4/20

Out: 289.047+/-0.064 χ^2/NDF:2968953.6/24

All: 298.409+/-0.046 χ^2/NDF: 5402410.6/45

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.519+/-31.254 χ^2/NDF:4.9/5

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 158.477+/-32.111 χ^2/NDF:4.7/4

Left: 157.472+/-22.397 χ^2/NDF: 9.6/10

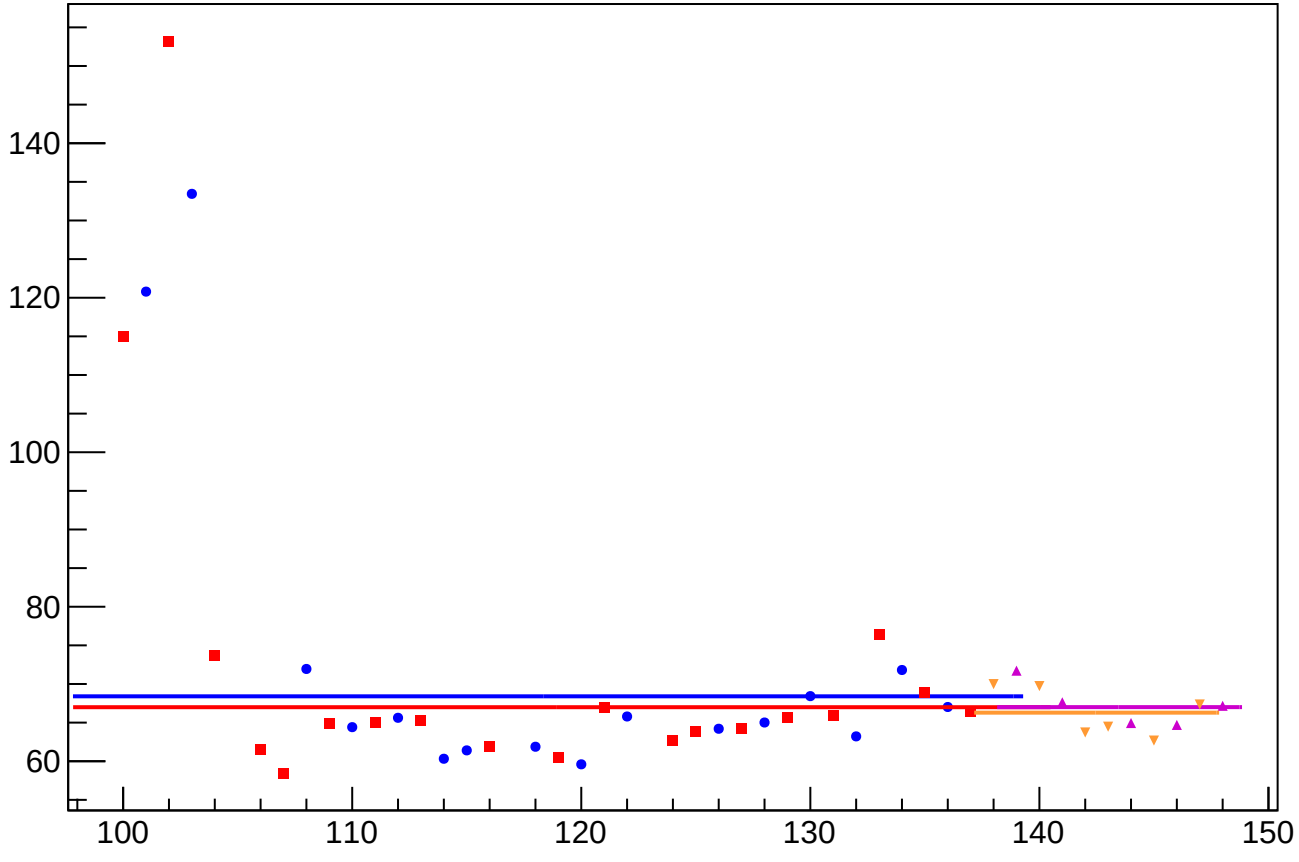
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 26.219+/-20.232 χ^2/NDF:43.4/20

Out: 43.756+/-19.591 χ^2/NDF:57.6/24

All: 35.270+/-14.074 χ^2/NDF: 101.4/45

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

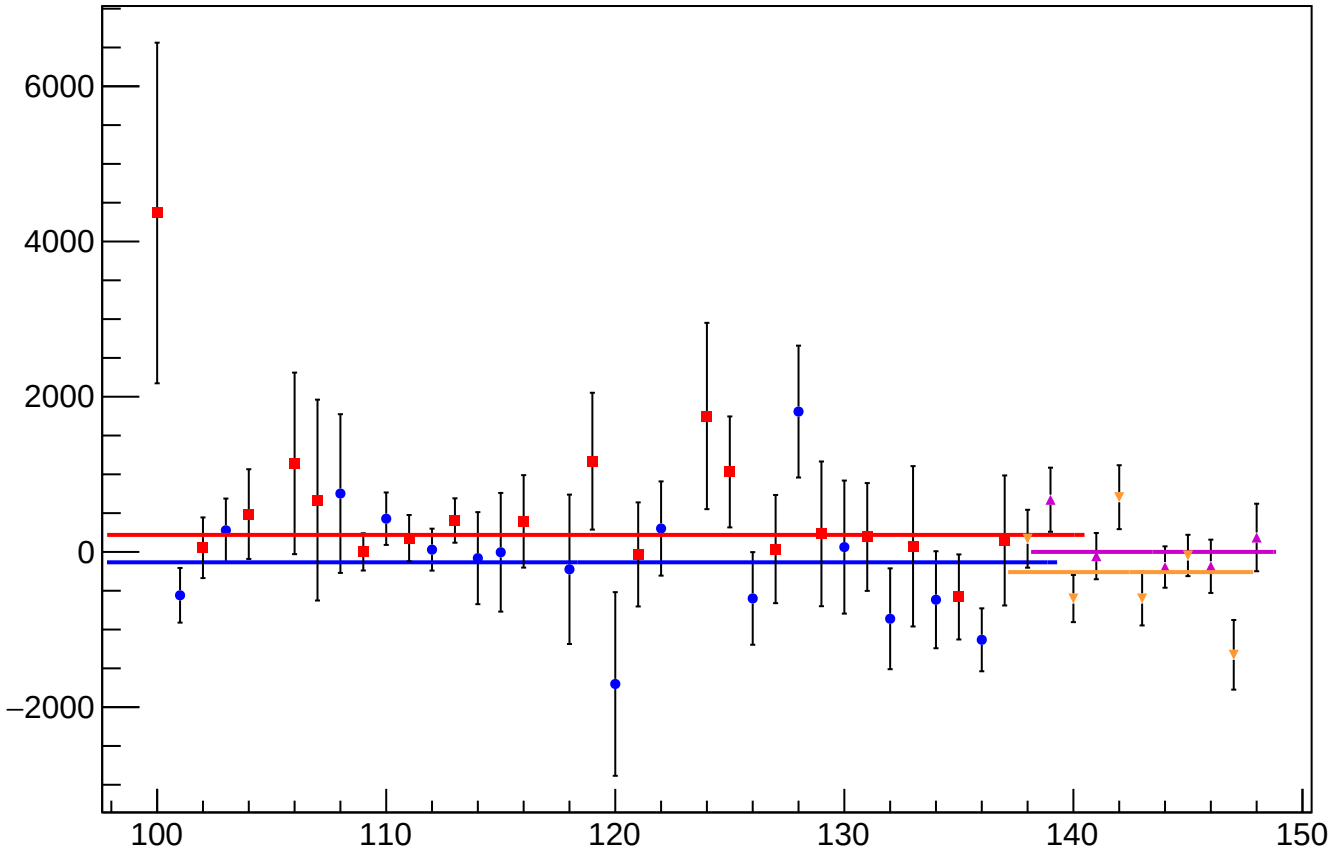
Left: 66.638+/-0.016 χ^2/NDF: 28986.3/10

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.848+/-0.014 χ^2/NDF:583401.8/20

Out: 66.718+/-0.014 χ^2/NDF:502026.1/24

All: 67.265+/-0.010 χ^2/NDF: 1088650.7/45



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.662+/-139.652 χ^2/NDF:15.3/5

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 0.349+/-149.173 χ^2/NDF:3.7/4

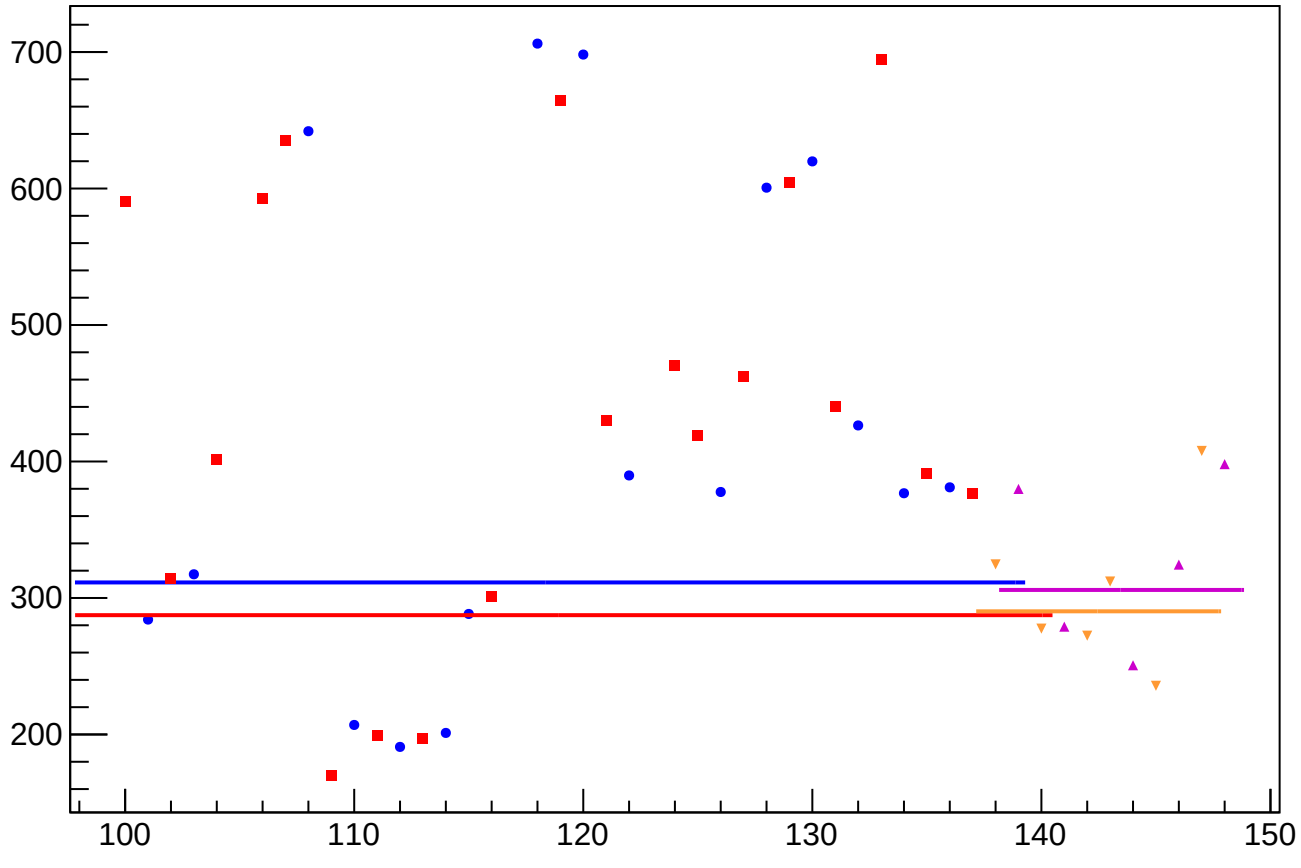
Left: -138.219+/-101.949 χ^2/NDF: 20.6/10

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -77.868+/-96.215 χ^2/NDF:26.6/20

Out: 19.990+/-90.128 χ^2/NDF:34.7/24

All: -25.745+/-65.777 χ^2/NDF: 61.9/45



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 290.230+/-0.099 χ^2/NDF:253326.2/5

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

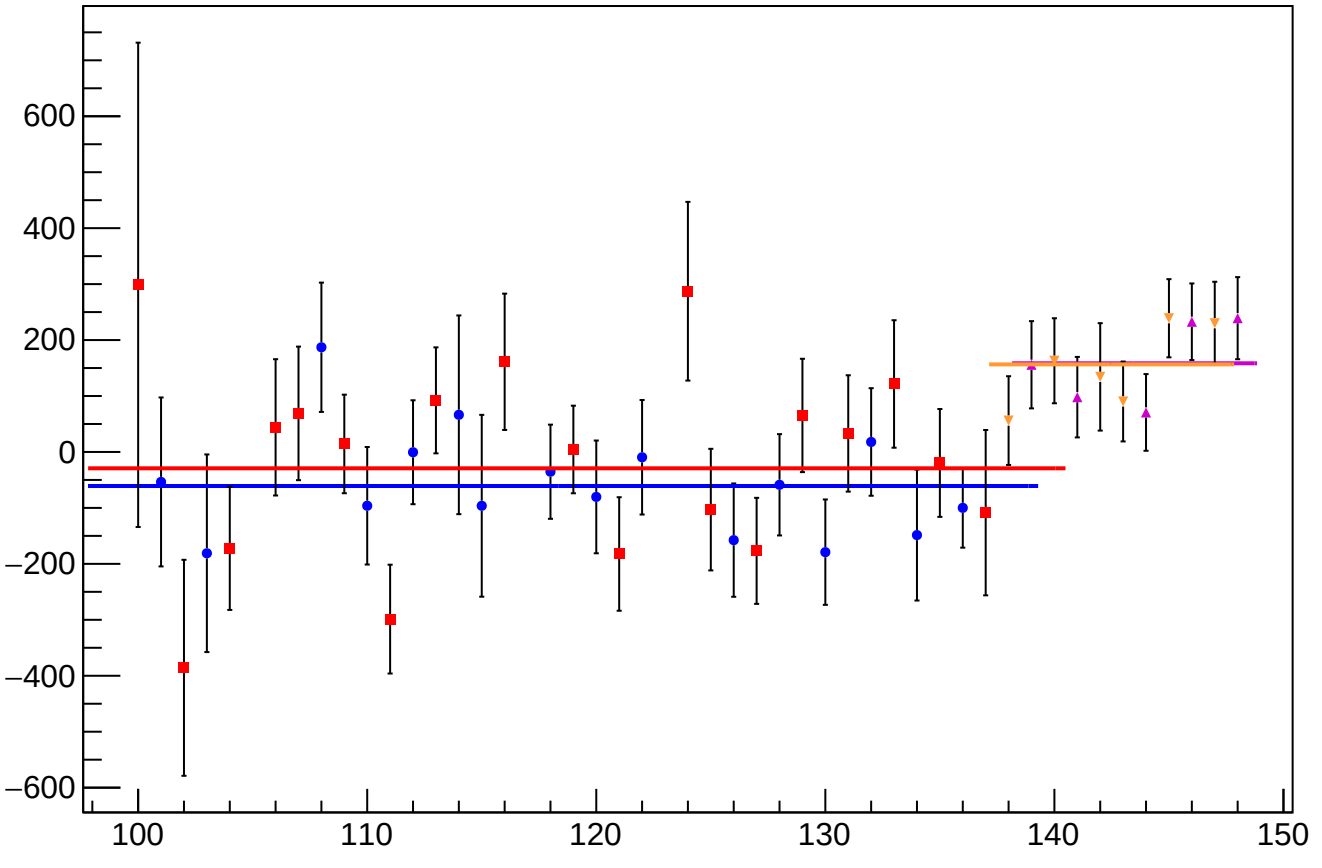
Left: 297.545+/-0.072 χ^2/NDF: 526828.3/10

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 309.102+/-0.068 χ^2/NDF:2387138.5/20

Out: 288.587+/-0.064 χ^2/NDF:2944059.2/24

All: 298.175+/-0.047 χ^2/NDF: 5379627.6/45



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.519+/-31.254 χ^2/NDF:4.9/5

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 158.477+/-32.111 χ^2/NDF:4.7/4

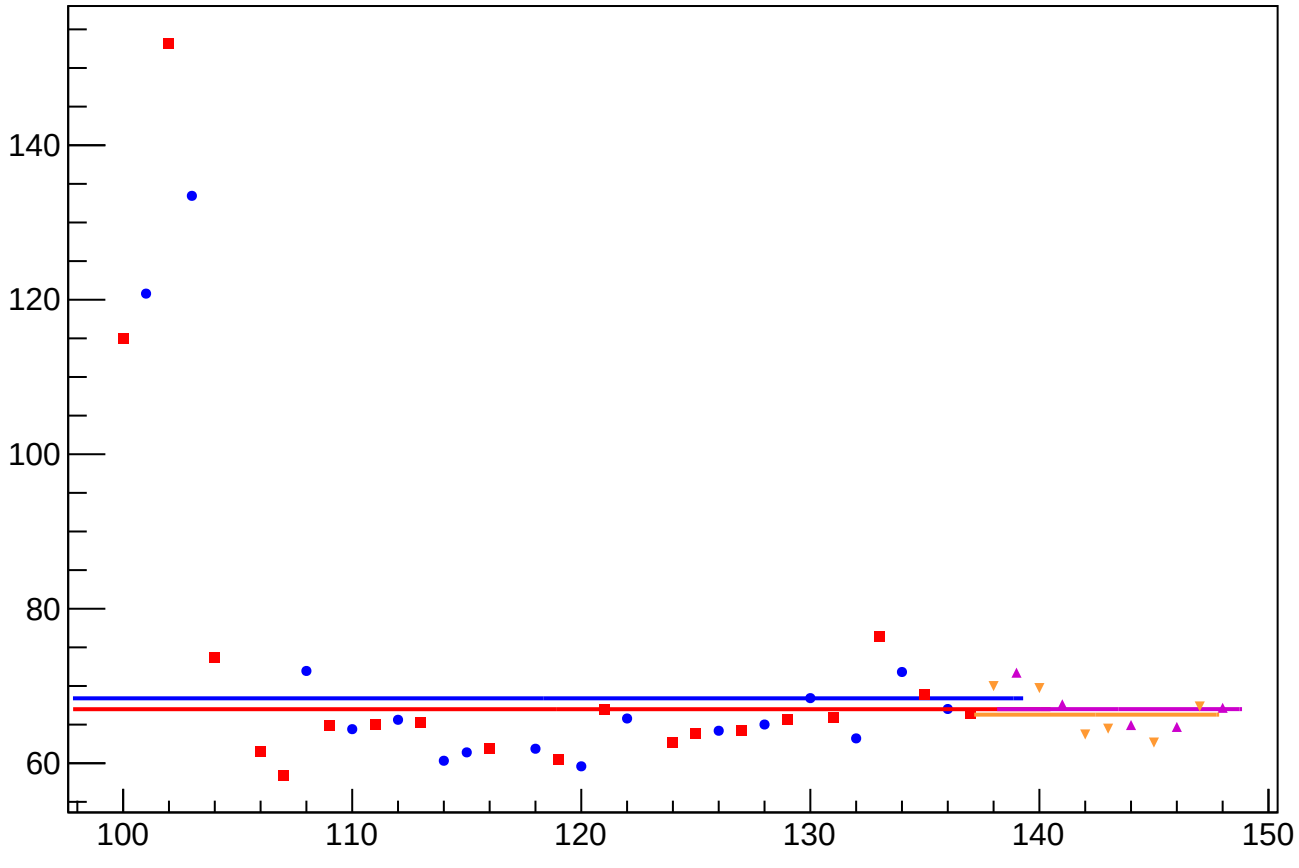
Left: 157.472+/-22.397 χ^2/NDF: 9.6/10

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 26.219+/-20.232 χ^2/NDF:43.4/20

Out: 43.756+/-19.591 χ^2/NDF:57.6/24

All: 35.270+/-14.074 χ^2/NDF: 101.4/45



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

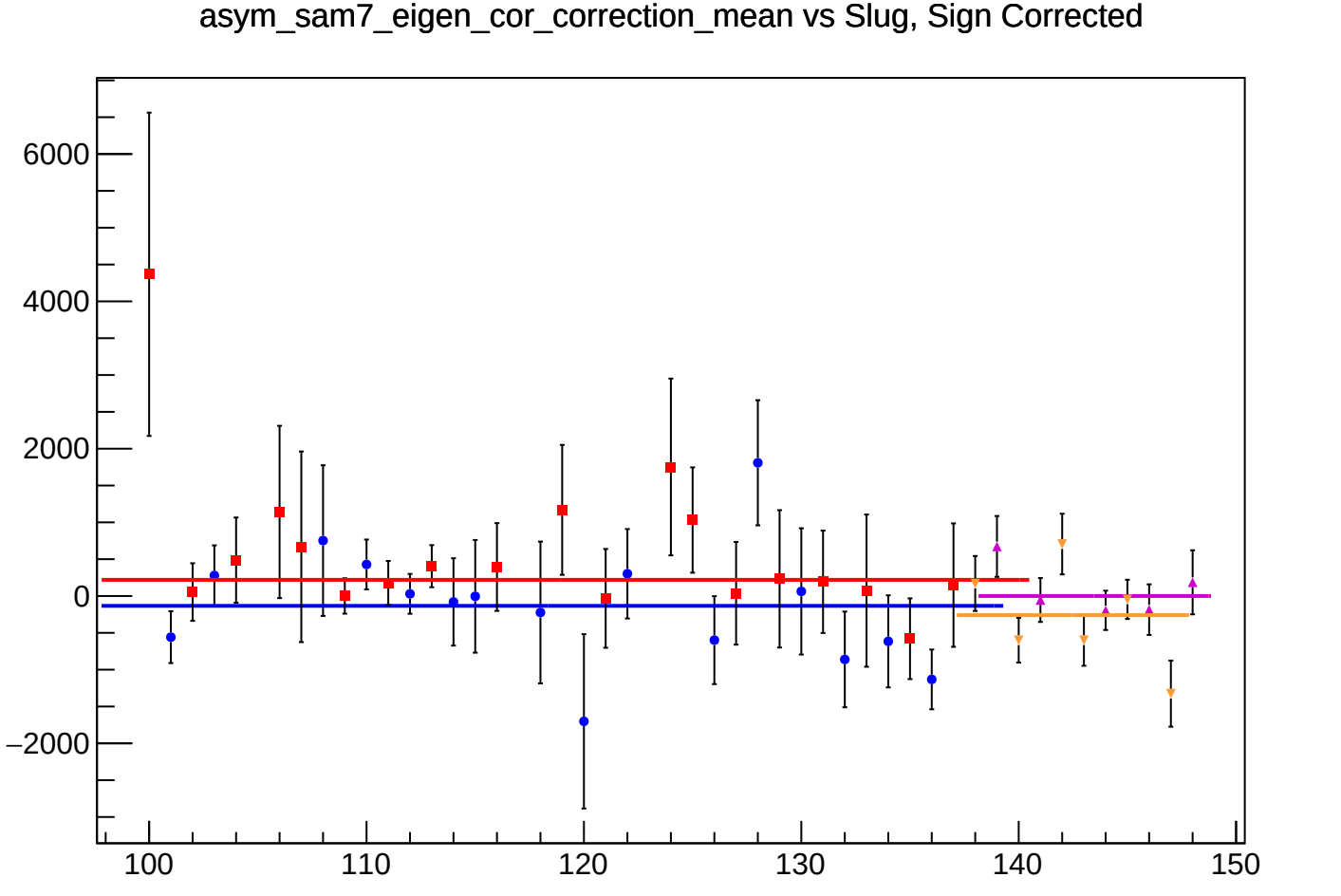
Left: 66.638+/-0.016 χ^2/NDF: 28986.3/10

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.848+/-0.014 χ^2/NDF:583401.8/20

Out: 66.718+/-0.014 χ^2/NDF:502026.1/24

All: 67.265+/-0.010 χ^2/NDF: 1088650.7/45



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.662+/-139.652 χ^2/NDF:15.3/5

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 0.349+/-149.173 χ^2/NDF:3.7/4

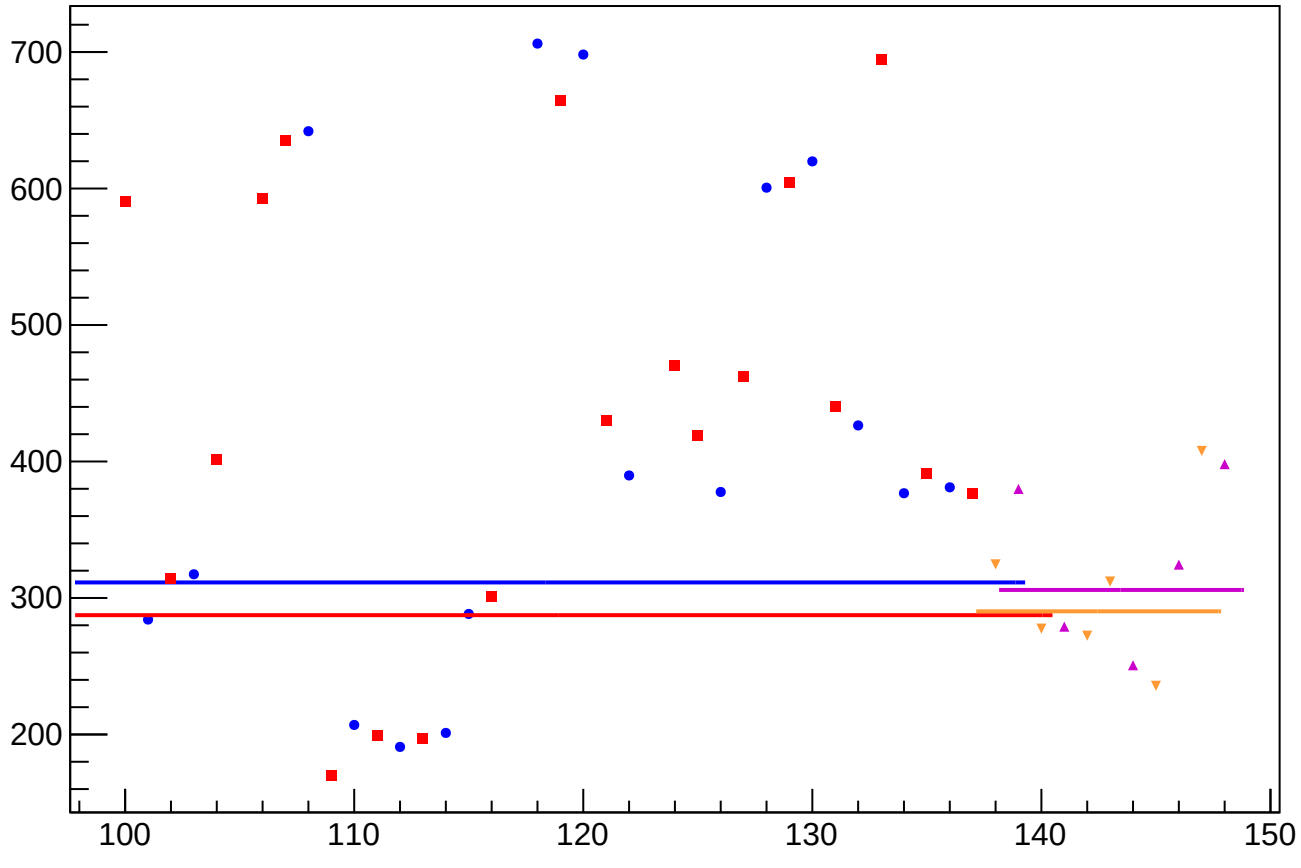
Left: -138.219+/-101.949 χ^2/NDF: 20.6/10

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -77.868+/-96.215 χ^2/NDF:26.6/20

Out: 19.990+/-90.128 χ^2/NDF:34.7/24

All: -25.745+/-65.777 χ^2/NDF: 61.9/45



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 290.230+/-0.099 χ^2/NDF:253326.2/5

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

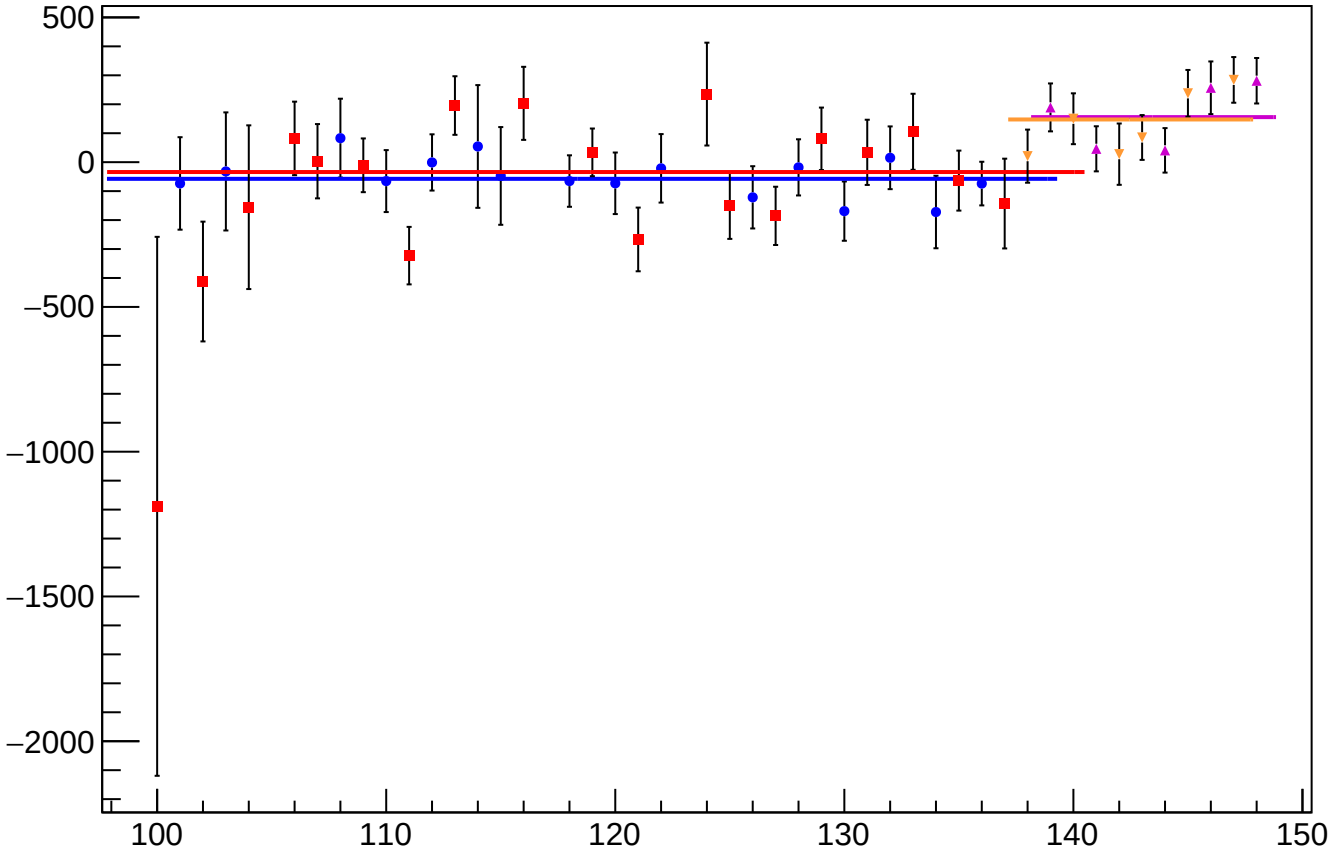
Left: 297.545+/-0.072 χ^2/NDF: 526828.3/10

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 309.102+/-0.068 χ^2/NDF:2387138.5/20

Out: 288.587+/-0.064 χ^2/NDF:2944059.2/24

All: 298.175+/-0.047 χ^2/NDF: 5379627.6/45



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 147.493+/-34.946 χ^2/NDF:8.1/5

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 155.616+/-36.196 χ^2/NDF:8.2/4

Left: 151.412+/-25.141 χ^2/NDF: 16.3/10

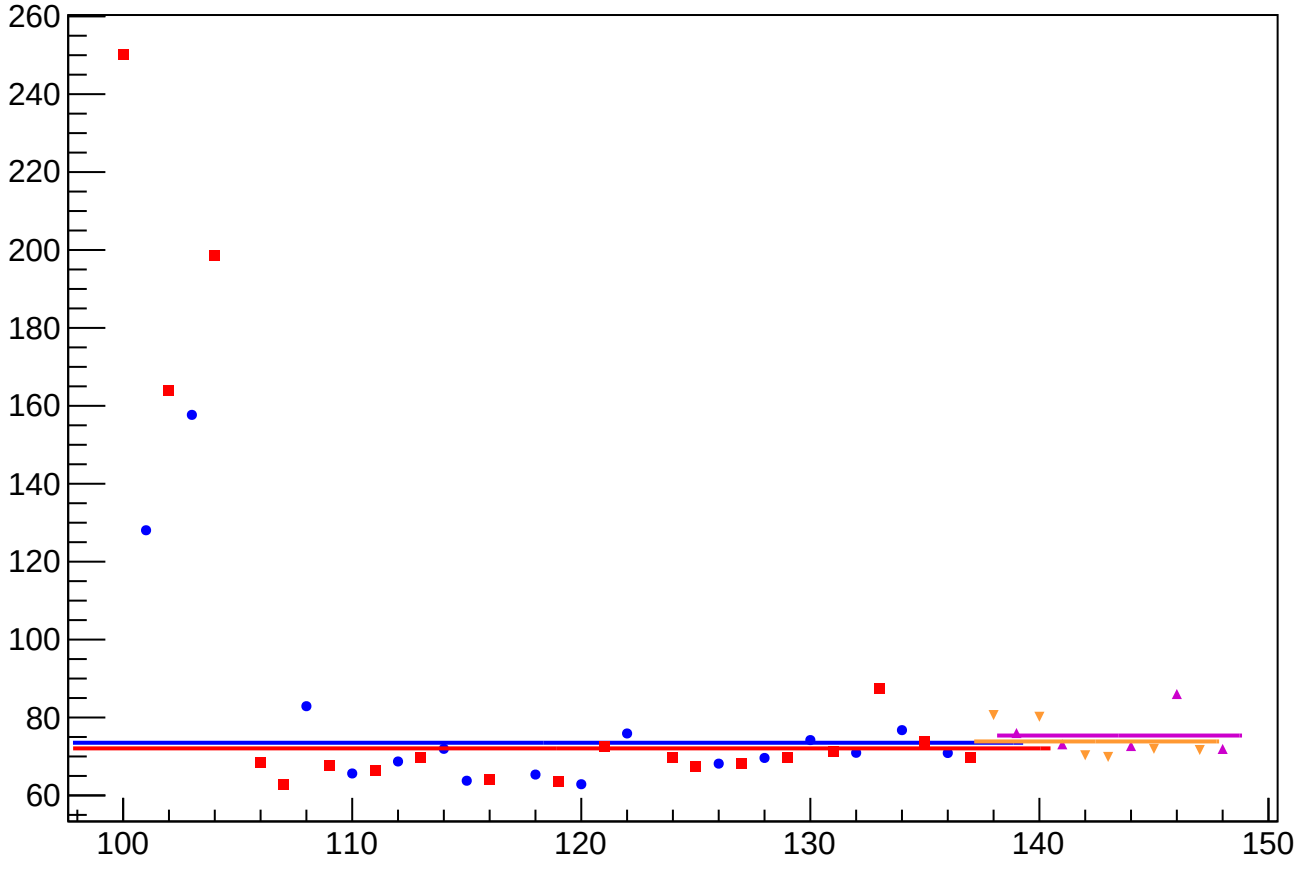
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 22.574+/-22.190 χ^2/NDF:34.7/20

Out: 35.069+/-21.561 χ^2/NDF:61.9/24

All: 29.001+/-15.464 χ^2/NDF: 96.8/45

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 73.856+/-0.025 χ^2/NDF:31481.9/5

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 75.371+/-0.026 χ^2/NDF:35533.0/4

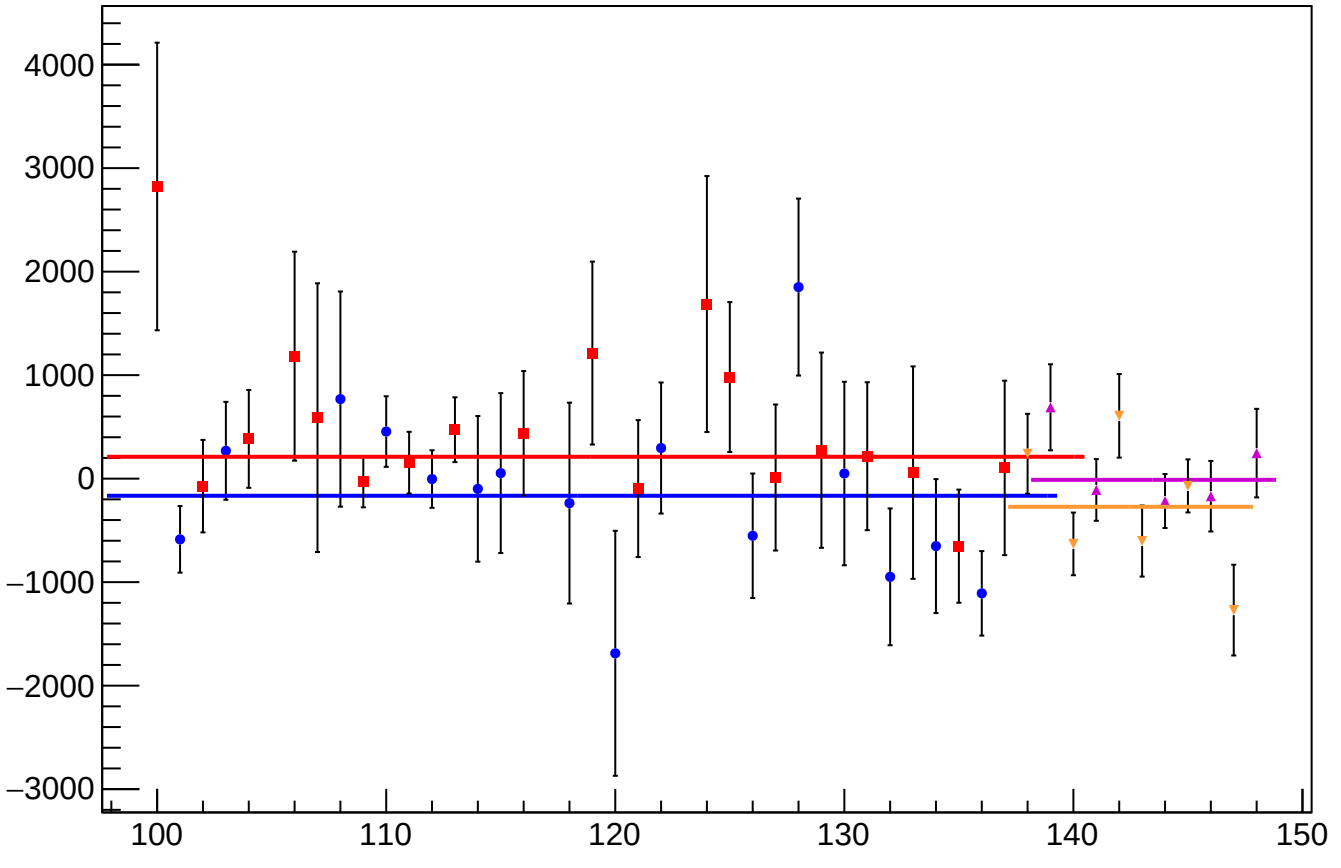
Left: 74.587+/-0.018 χ^2/NDF: 68829.9/10

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 74.215+/-0.016 χ^2/NDF:695649.9/20

Out: 72.752+/-0.015 χ^2/NDF:993196.8/24

All: 73.463+/-0.011 χ^2/NDF: 1693318.3/45



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -272.179+/-137.811 χ^2/NDF:14.6/5

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -11.540+/-147.749 χ^2/NDF:4.1/4

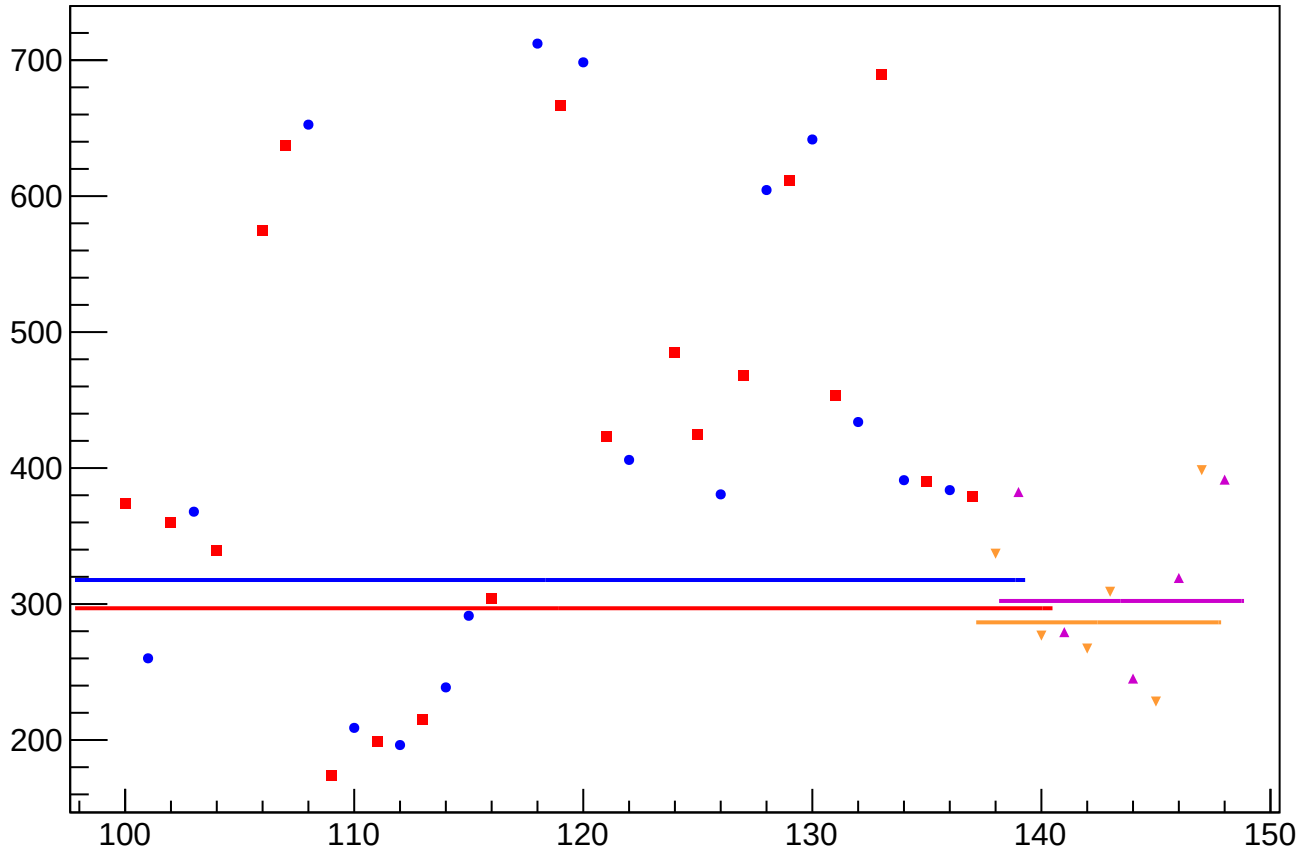
Left: -150.920+/-100.777 χ^2/NDF: 20.4/10

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -99.233+/-96.933 χ^2/NDF:27.4/20

Out: 2.589+/-90.551 χ^2/NDF:35.2/24

All: -44.860+/-66.170 χ^2/NDF: 63.2/45



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 286.529+/-0.097 χ^2/NDF:283086.4/5

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 302.258+/-0.104 χ^2/NDF:273885.8/4

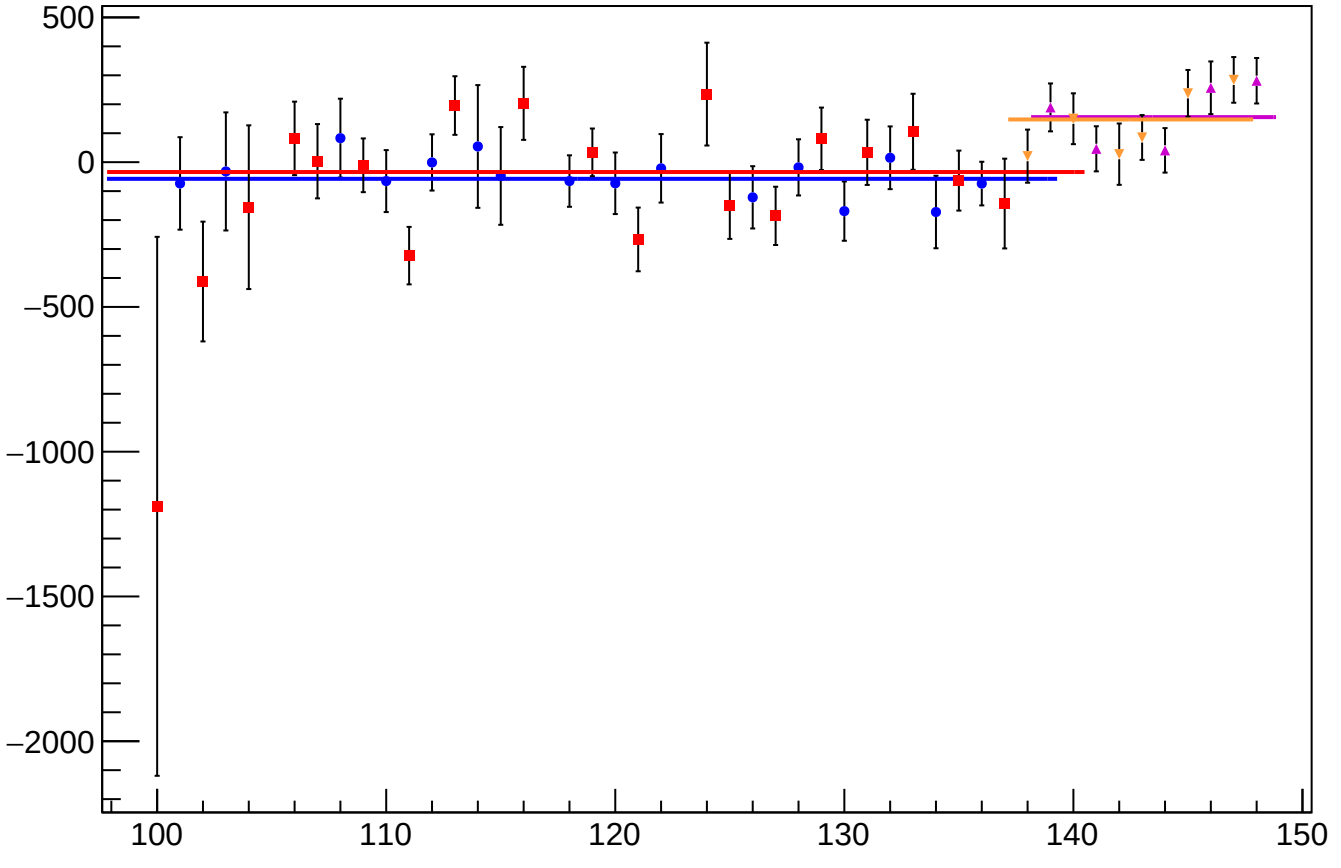
Left: 293.847+/-0.071 χ^2/NDF: 569093.4/10

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 311.033+/-0.069 χ^2/NDF:2422463.4/20

Out: 292.416+/-0.064 χ^2/NDF:2830548.0/24

All: 301.091+/-0.047 χ^2/NDF: 5292408.4/45



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 147.490+/-34.946 χ^2/NDF:8.1/5

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 155.616+/-36.196 χ^2/NDF:8.2/4

Left: 151.410+/-25.141 χ^2/NDF: 16.3/10

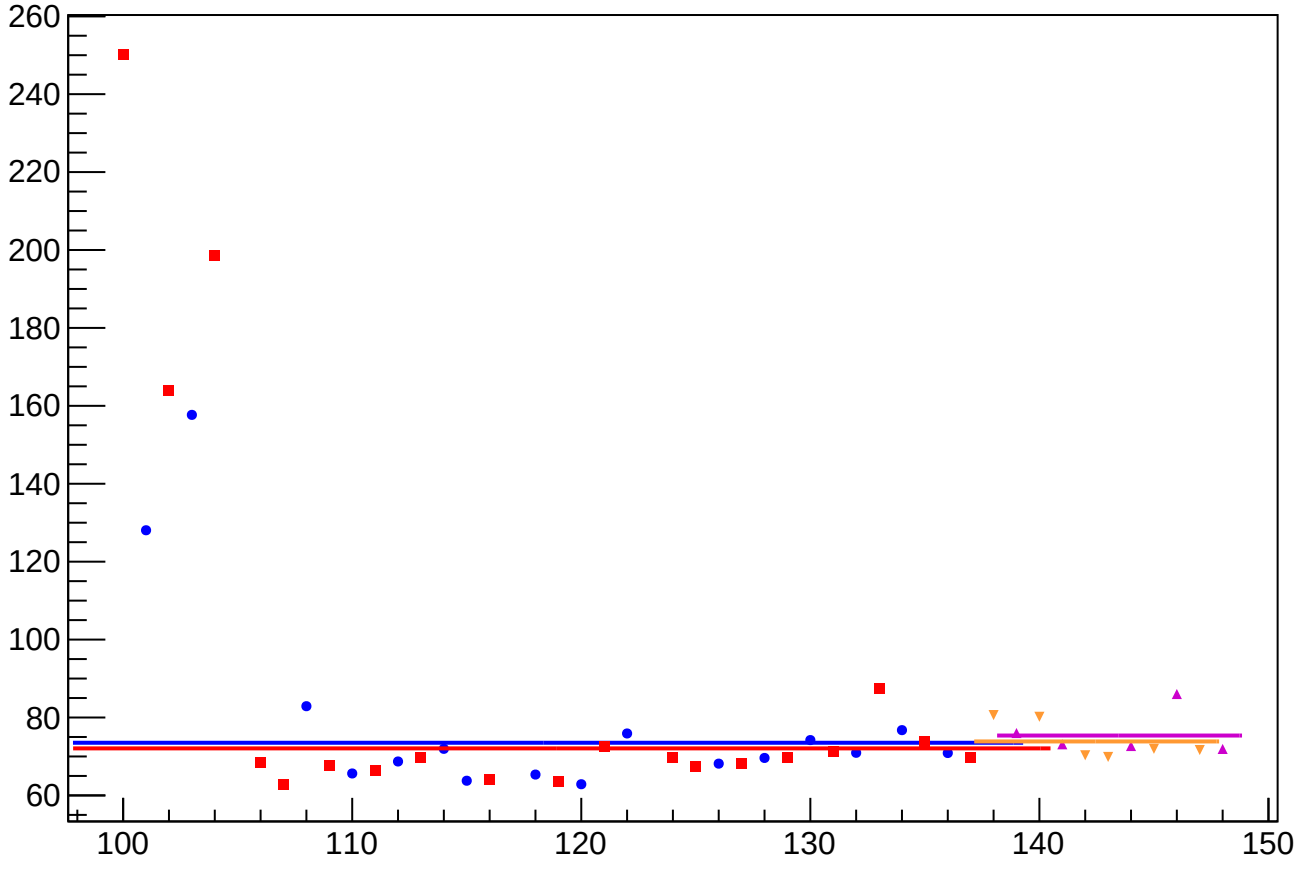
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 22.575+/-22.190 χ^2/NDF:34.7/20

Out: 35.067+/-21.561 χ^2/NDF:61.9/24

All: 29.000+/-15.464 χ^2/NDF: 96.8/45

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 73.856+/-0.025 χ^2/NDF:31481.0/5

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 75.371+/-0.026 χ^2/NDF:35533.3/4

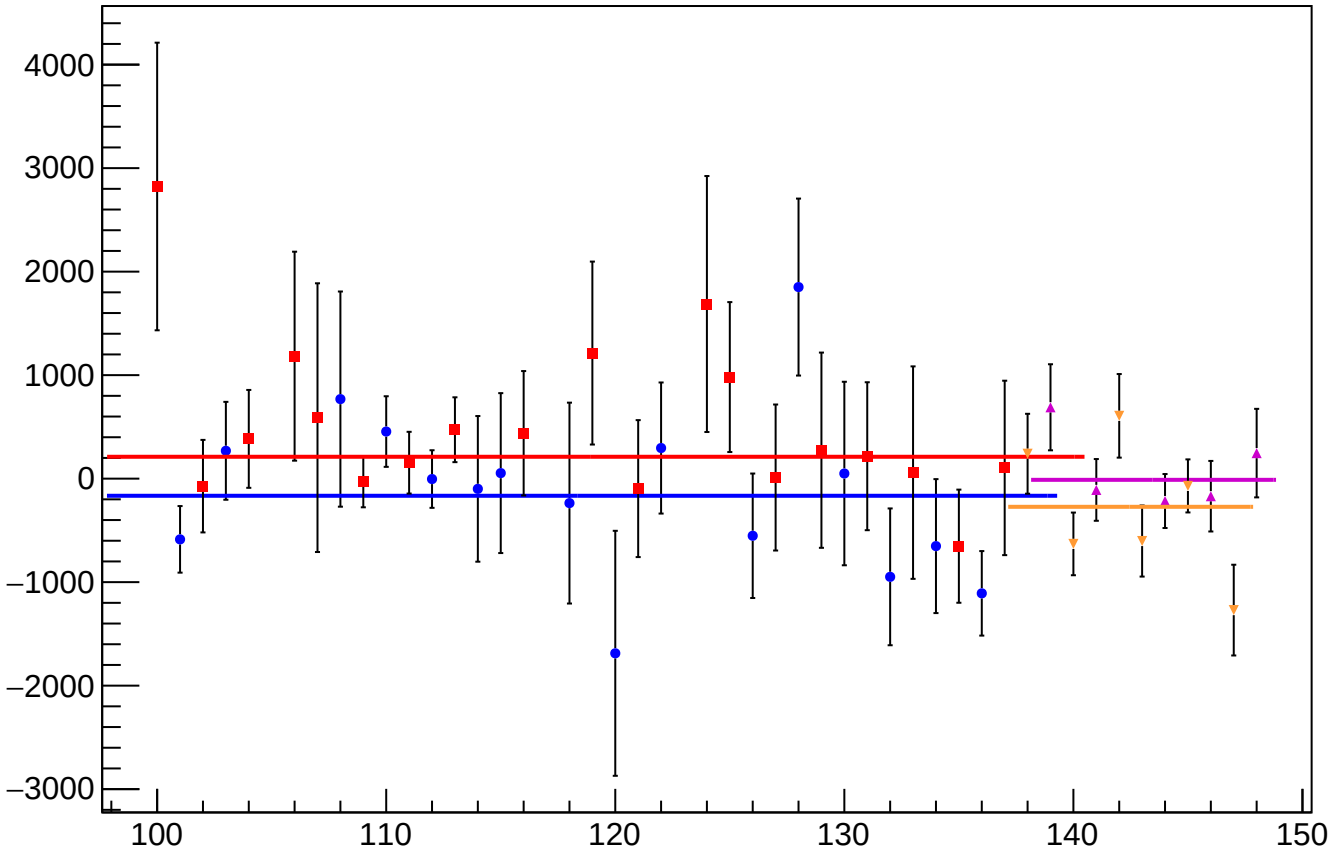
Left: 74.587+/-0.018 χ^2/NDF: 68829.2/10

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 74.215+/-0.016 χ^2/NDF:695652.6/20

Out: 72.752+/-0.015 χ^2/NDF:993197.8/24

All: 73.463+/-0.011 χ^2/NDF: 1693321.7/45



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -272.180+/-137.810 χ^2/NDF:14.6/5

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -11.540+/-147.749 χ^2/NDF:4.1/4

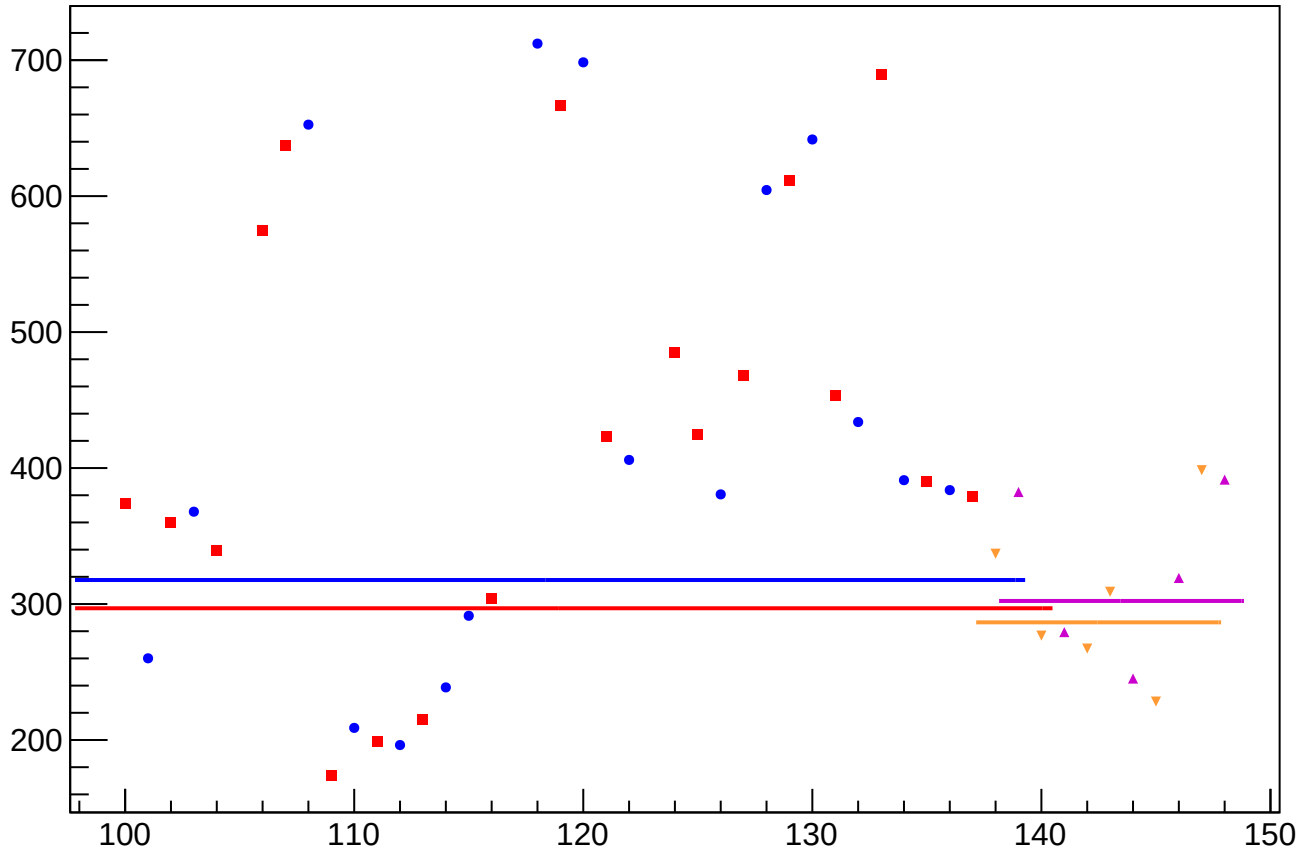
Left: -150.921+/-100.777 χ^2/NDF: 20.4/10

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -99.232+/-96.932 χ^2/NDF:27.4/20

Out: 2.589+/-90.551 χ^2/NDF:35.2/24

All: -44.860+/-66.170 χ^2/NDF: 63.2/45



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 286.529+/-0.097 χ^2/NDF:283090.6/5

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 302.258+/-0.104 χ^2/NDF:273889.5/4

Left: 293.847+/-0.071 χ^2/NDF: 569101.8/10

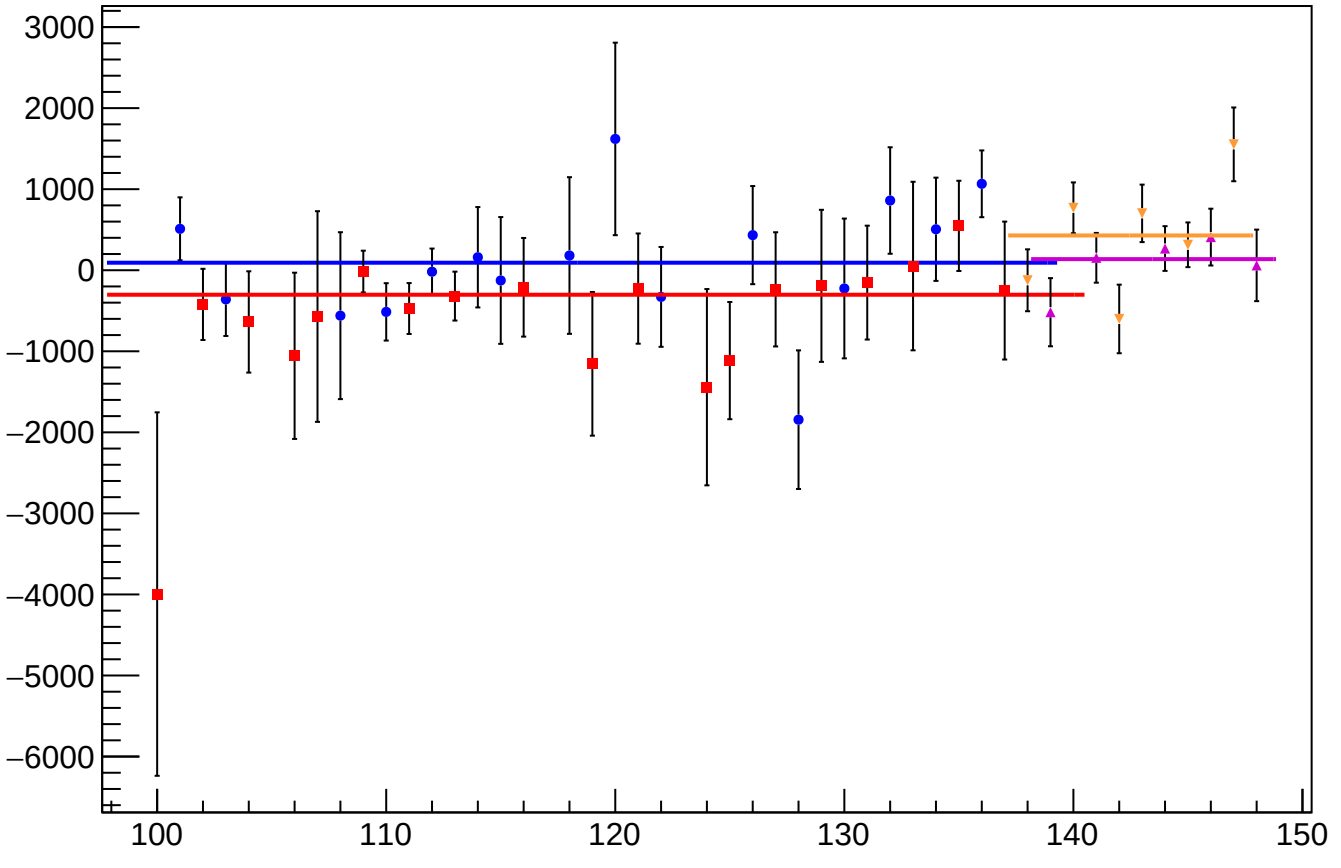
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 311.032+/-0.069 χ^2/NDF:2422495.2/20

Out: 292.415+/-0.064 χ^2/NDF:2830561.9/24

All: 301.090+/-0.047 χ^2/NDF: 5292452.9/45

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 429.142+/-143.545 χ^2/NDF:16.1/5

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 137.141+/-153.048 χ^2/NDF:3.3/4

Left: 292.487+/-104.700 χ^2/NDF: 21.3/10

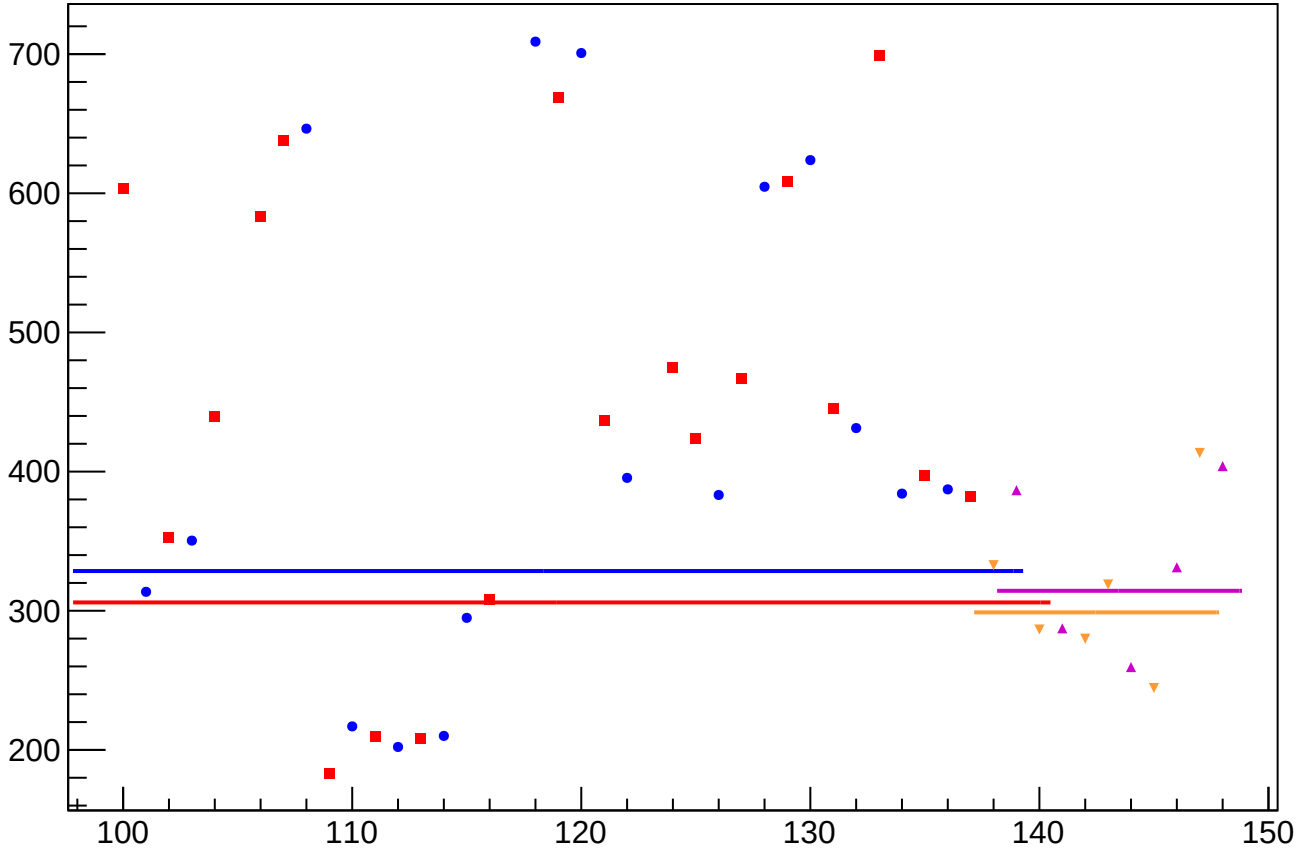
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 111.704+/-99.927 χ^2/NDF:24.2/20

Out: 10.044+/-93.800 χ^2/NDF:41.8/24

All: 57.662+/-68.390 χ^2/NDF: 66.5/45

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 298.844+/-0.102 χ^2/NDF:233746.5/5

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 314.346+/-0.108 χ^2/NDF:240607.9/4

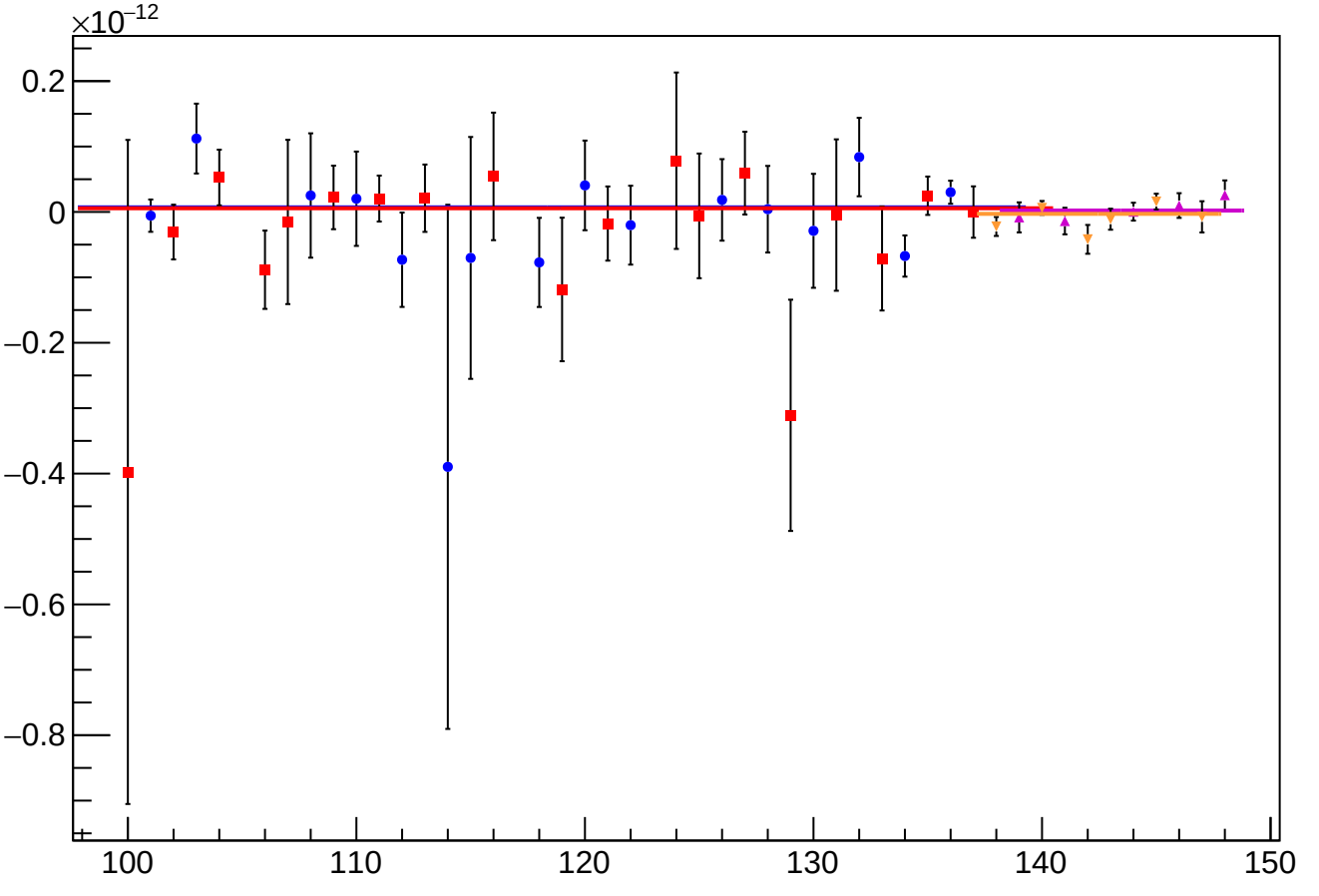
Left: 306.099+/-0.074 χ^2/NDF: 485269.9/10

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 322.505+/-0.071 χ^2/NDF:2209387.3/20

Out: 302.938+/-0.066 χ^2/NDF:2764048.4/24

All: 312.103+/-0.048 χ^2/NDF: 5014200.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

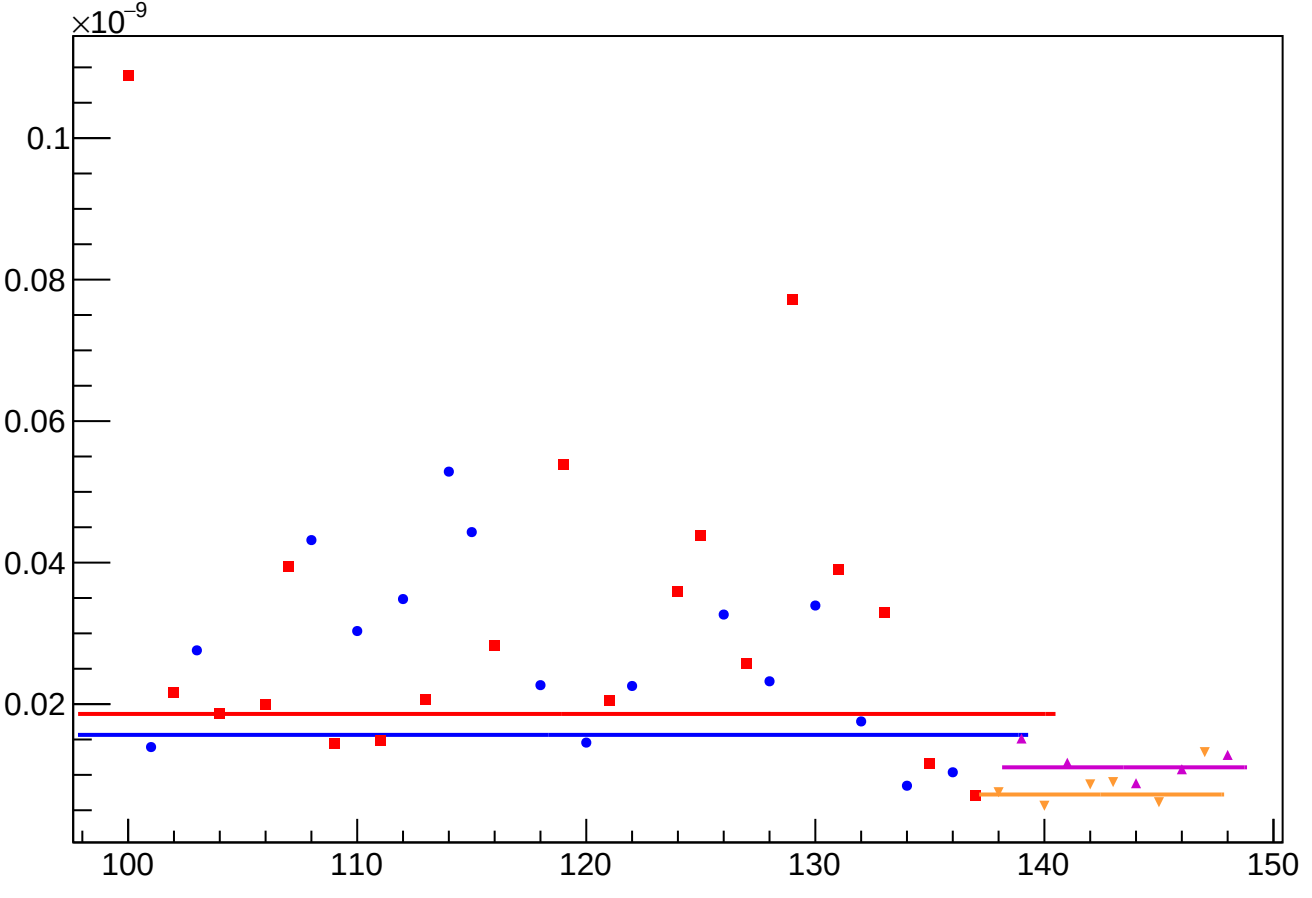
Left: -0.000+/-0.000 χ^2/NDF: 10.7/10

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:19.9/20

Out: -0.000+/-0.000 χ^2/NDF:21.6/24

All: 0.000+/-0.000 χ^2/NDF: 41.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:220596.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:131500.7/4

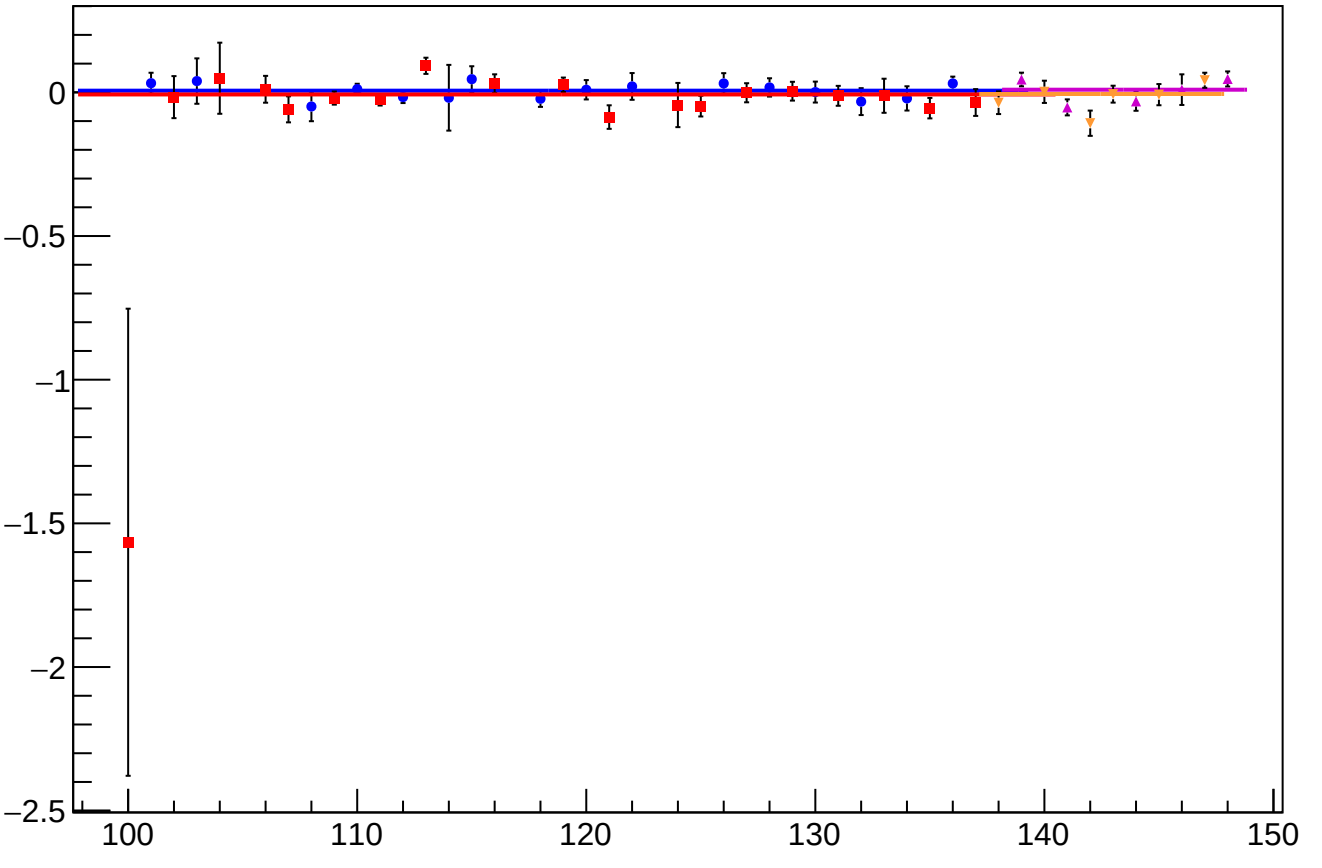
Left: 0.000+/-0.000 χ^2/NDF: 634418.9/10

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1518137.7/20

Out: 0.000+/-0.000 χ^2/NDF:2745554.2/24

All: 0.000+/-0.000 χ^2/NDF: 4601439.6/45



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

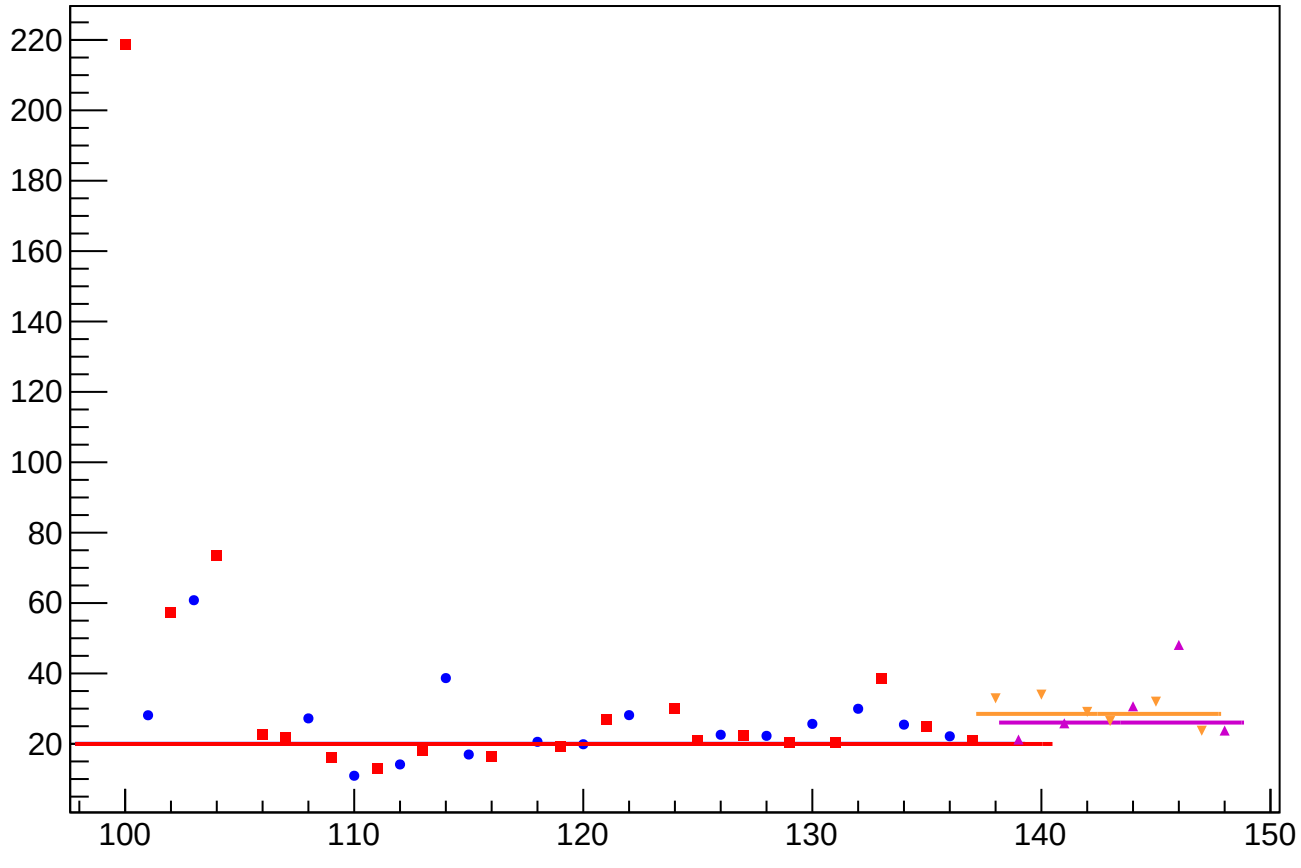
Left: 0.002+/-0.010 χ^2/NDF: 20.6/10

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.000+/-0.005 χ^2/NDF: 59.6/45



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 28.511+/-0.010 χ^2/NDF:159389.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

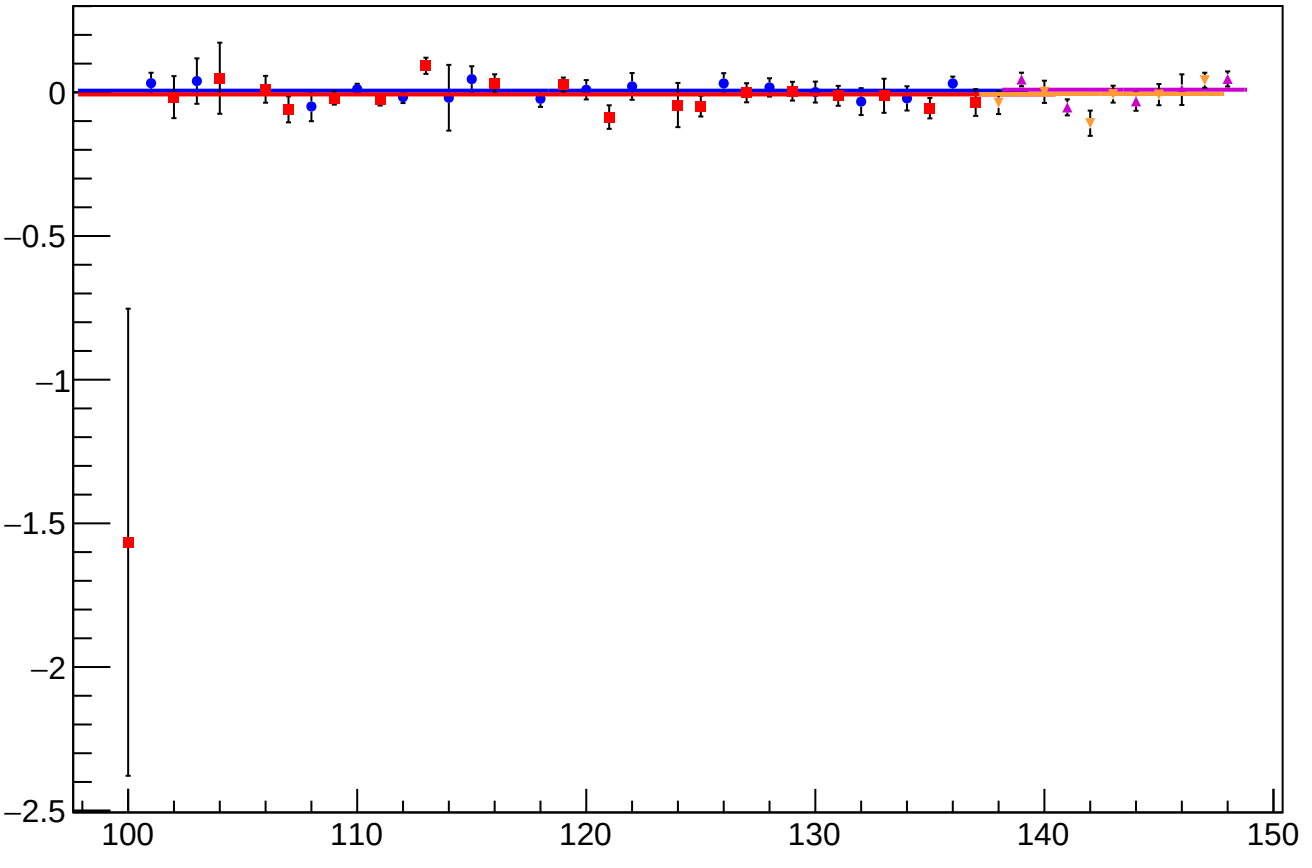
Left: 27.208+/-0.007 χ^2/NDF: 672134.9/10

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.682+/-0.005 χ^2/NDF:2425598.2/20

Out: 22.127+/-0.005 χ^2/NDF:2440849.3/24

All: 21.903+/-0.003 χ^2/NDF: 4870522.6/45



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

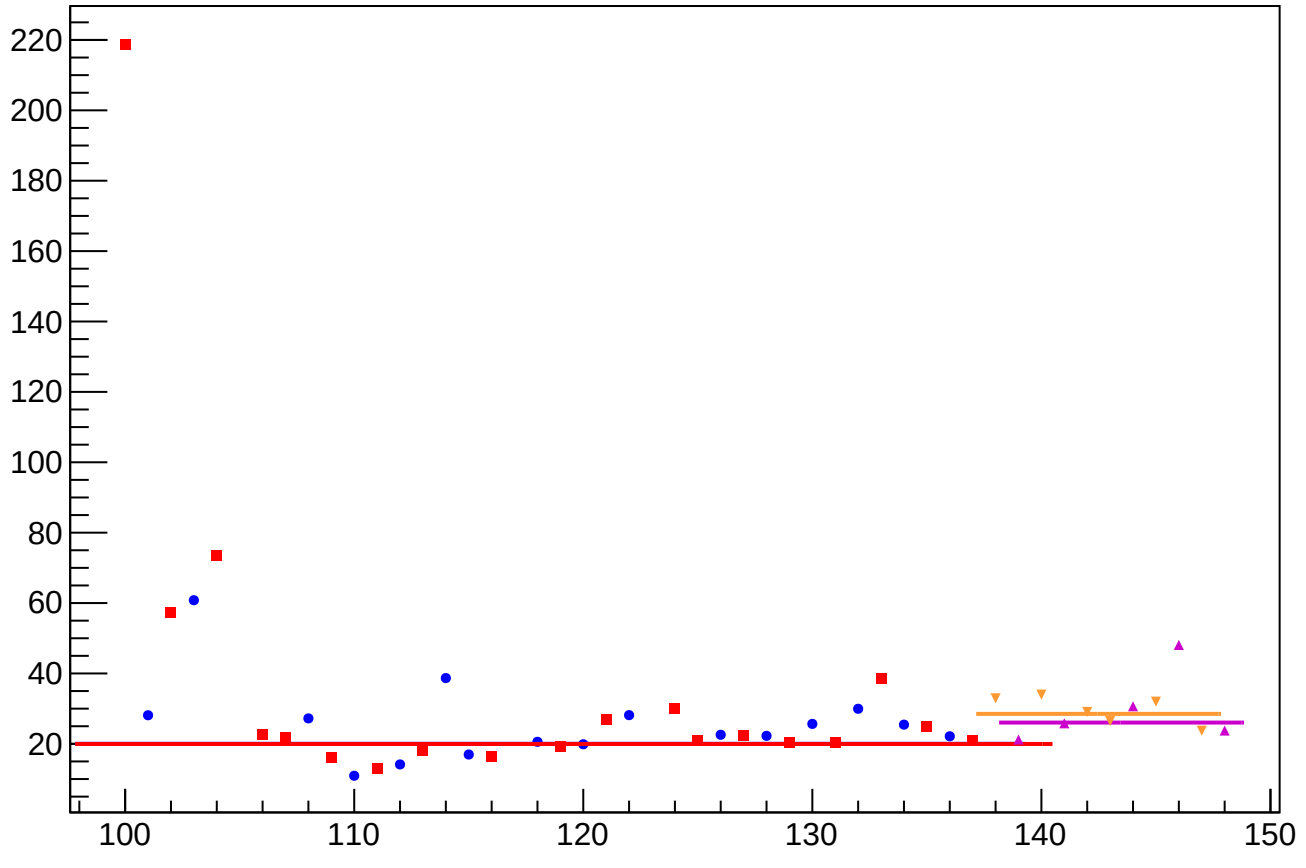
Left: 0.002+/-0.010 χ^2/NDF: 20.6/10

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.000+/-0.005 χ^2/NDF: 59.6/45



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 28.511+/-0.010 χ^2/NDF:159389.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

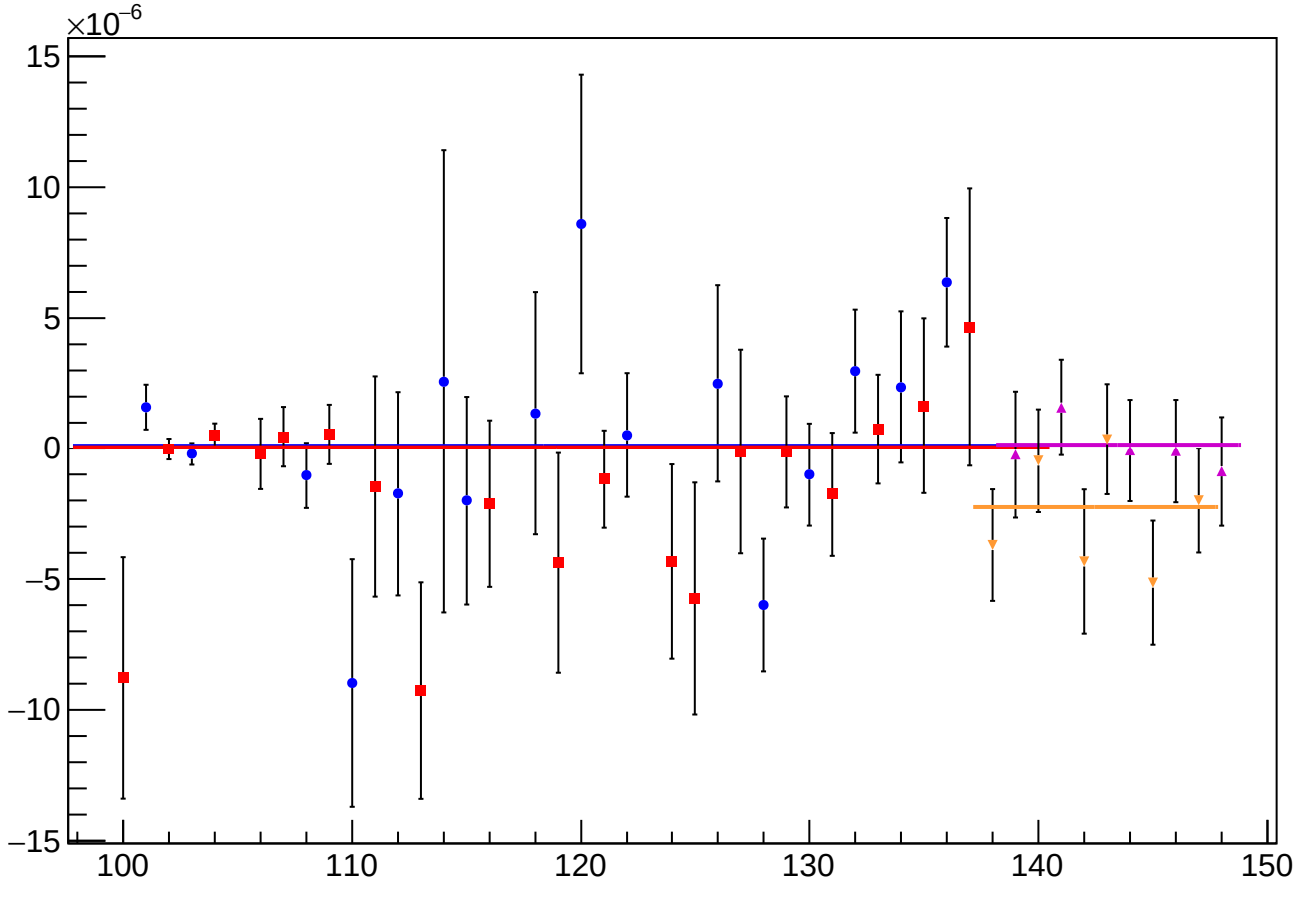
Left: 27.208+/-0.007 χ^2/NDF: 672134.9/10

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.682+/-0.005 χ^2/NDF:2425598.2/20

Out: 22.127+/-0.005 χ^2/NDF:2440849.3/24

All: 21.903+/-0.003 χ^2/NDF: 4870522.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/4

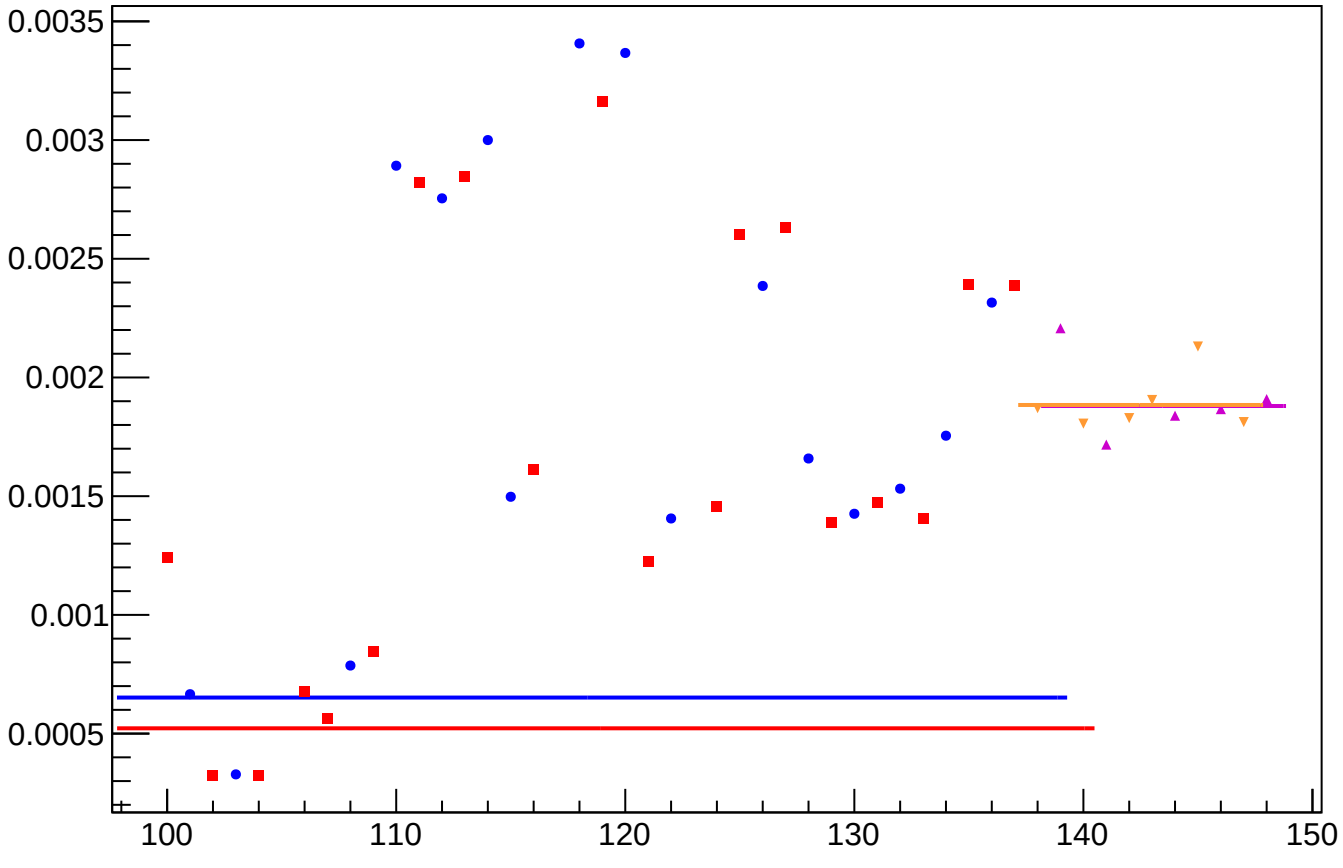
Left: -0.000+/-0.000 χ^2/NDF: 9.4/10

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:27.0/20

Out: -0.000+/-0.000 χ^2/NDF:28.2/24

All: -0.000+/-0.000 χ^2/NDF: 55.5/45



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:28431.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:53772.1/4

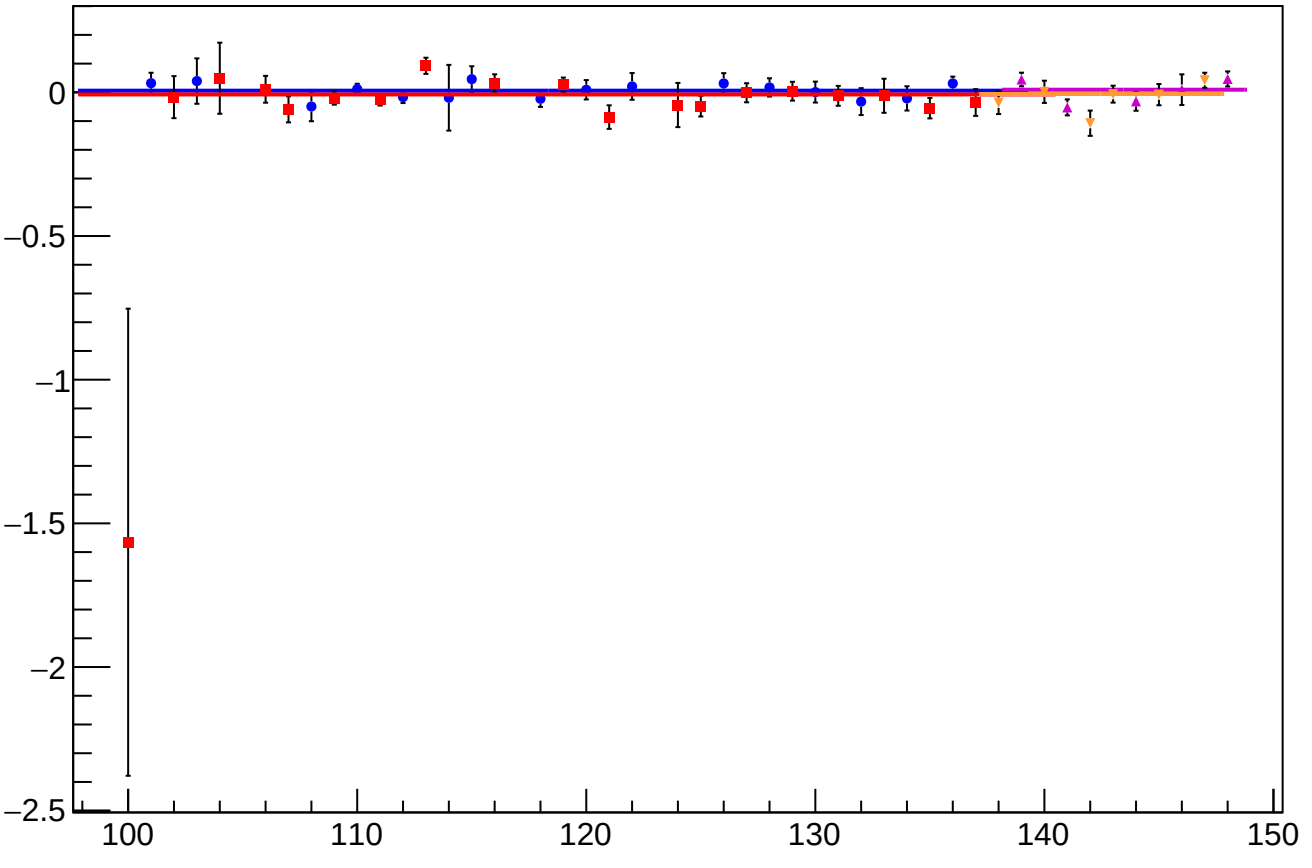
Left: 0.002+/-0.000 χ^2/NDF: 82226.6/10

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:9652821.7/20

Out: 0.001+/-0.000 χ^2/NDF:11014247.3/24

All: 0.001+/-0.000 χ^2/NDF: 21023795.0/45



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

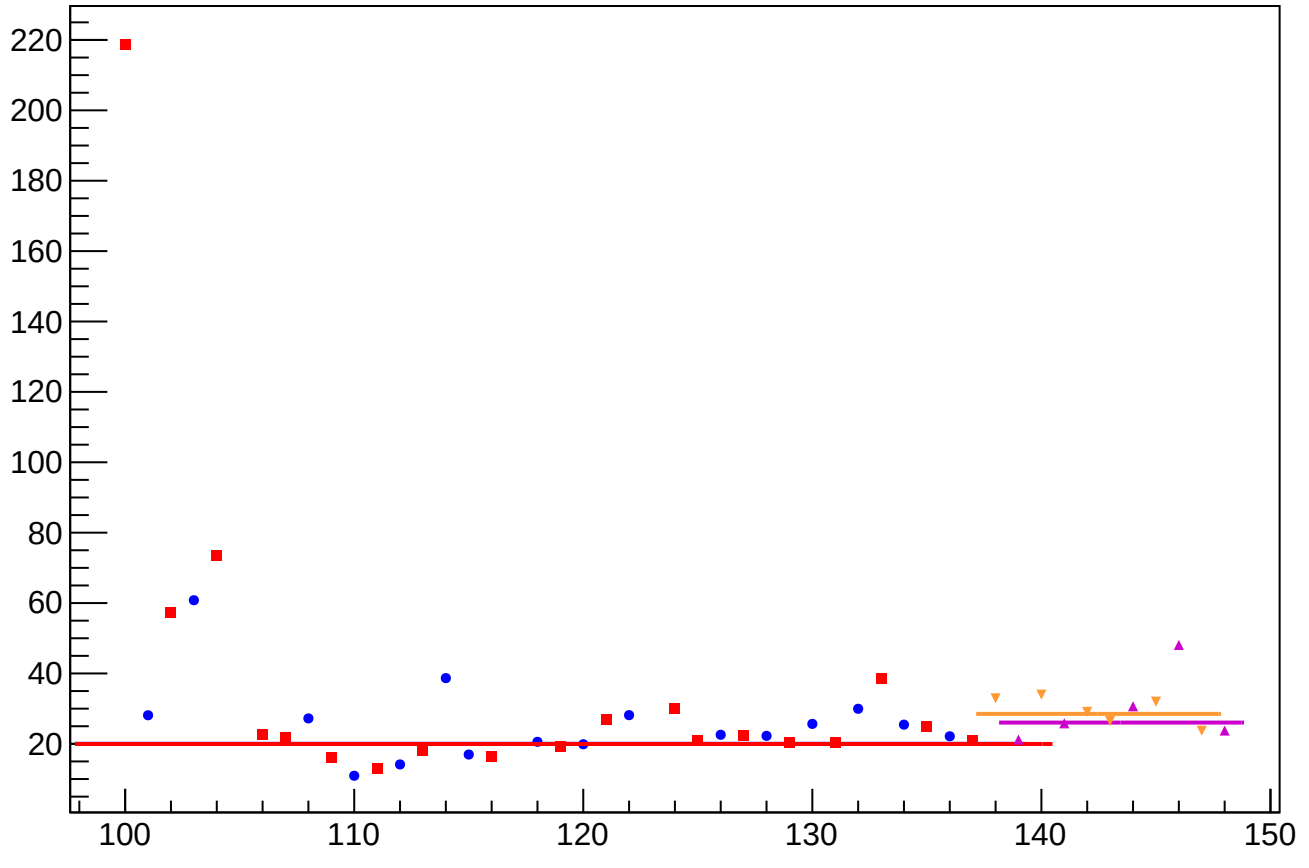
Left: 0.002+/-0.010 χ^2/NDF: 20.6/10

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.000+/-0.005 χ^2/NDF: 59.6/45



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 28.511+/-0.010 χ^2/NDF:159402.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.043+/-0.009 χ^2/NDF:479509.8/4

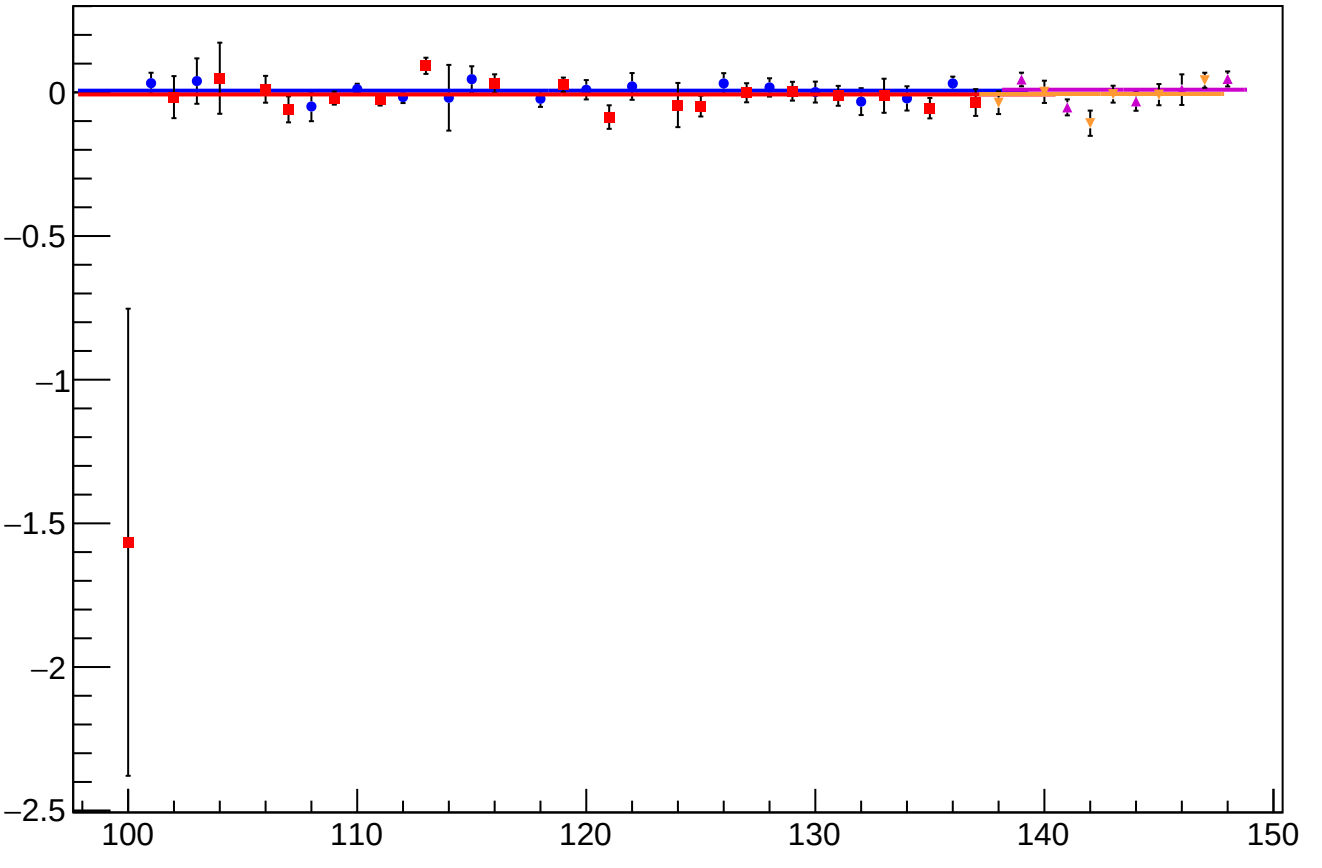
Left: 27.208+/-0.007 χ^2/NDF: 672159.6/10

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.682+/-0.005 χ^2/NDF:2425380.0/20

Out: 22.127+/-0.005 χ^2/NDF:2440789.8/24

All: 21.903+/-0.003 χ^2/NDF: 4870240.3/45



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

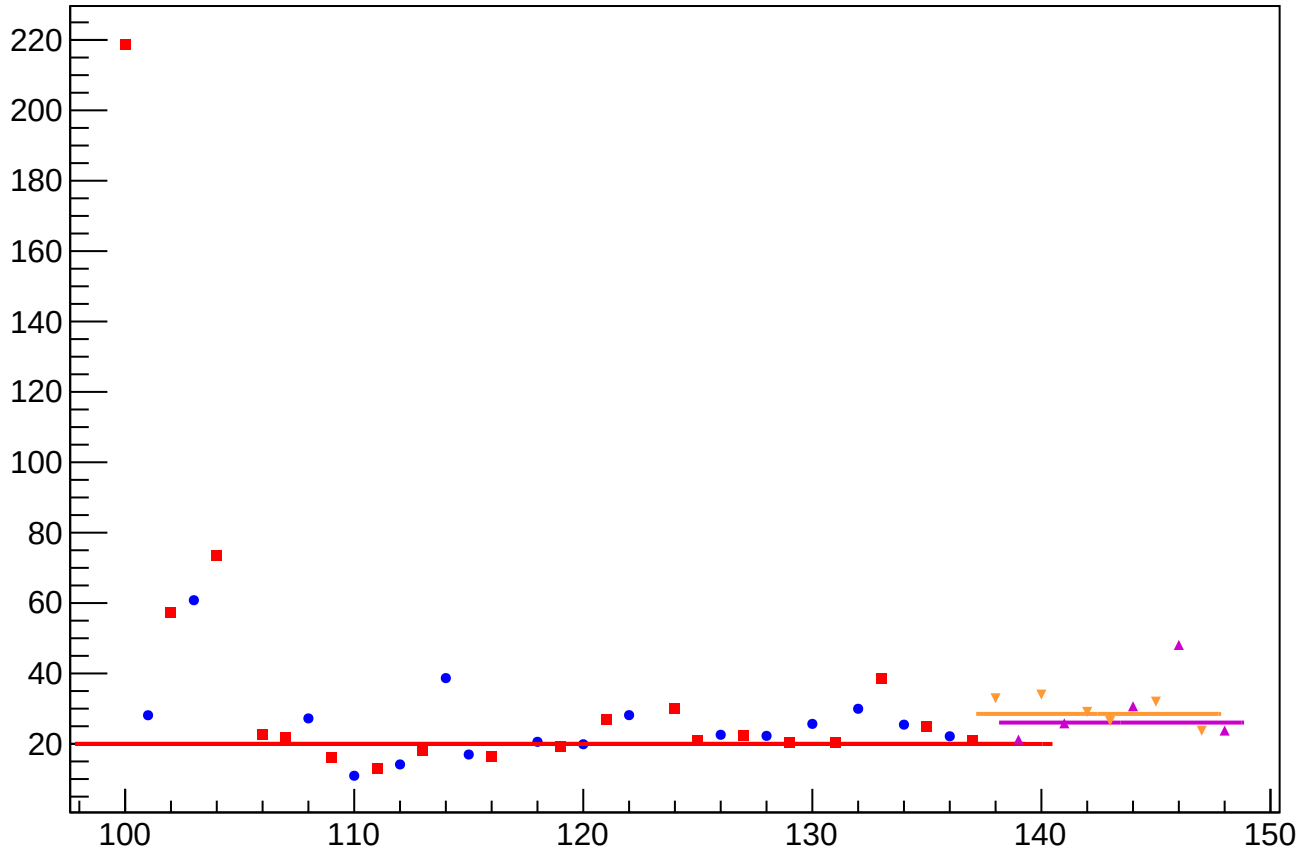
Left: 0.002+/-0.010 χ^2/NDF: 20.6/10

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.000+/-0.005 χ^2/NDF: 59.6/45



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 28.511+/-0.010 χ^2/NDF:159402.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.043+/-0.009 χ^2/NDF:479509.8/4

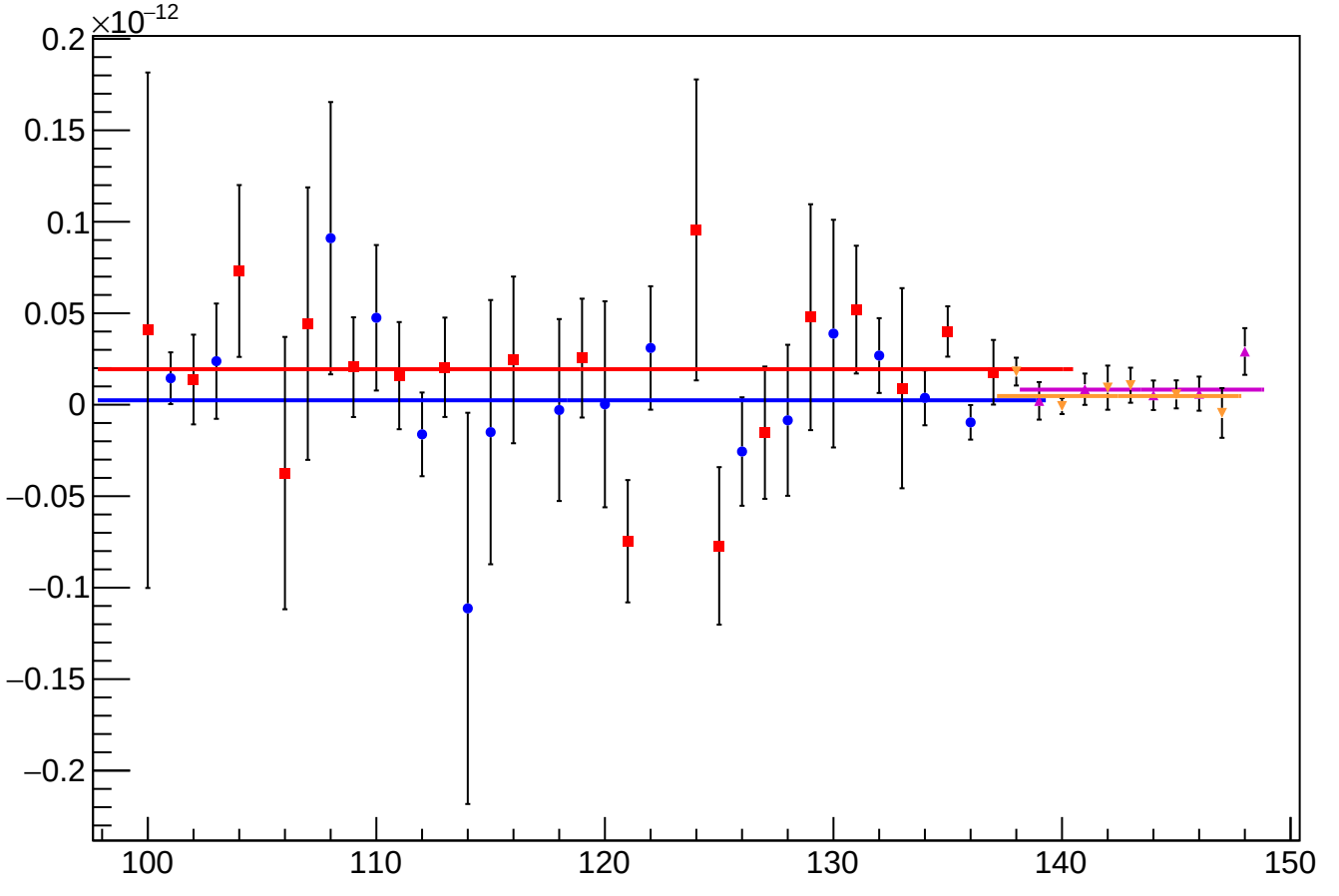
Left: 27.208+/-0.007 χ^2/NDF: 672159.6/10

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.682+/-0.005 χ^2/NDF:2425380.0/20

Out: 22.127+/-0.005 χ^2/NDF:2440789.8/24

All: 21.903+/-0.003 χ^2/NDF: 4870240.3/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/4

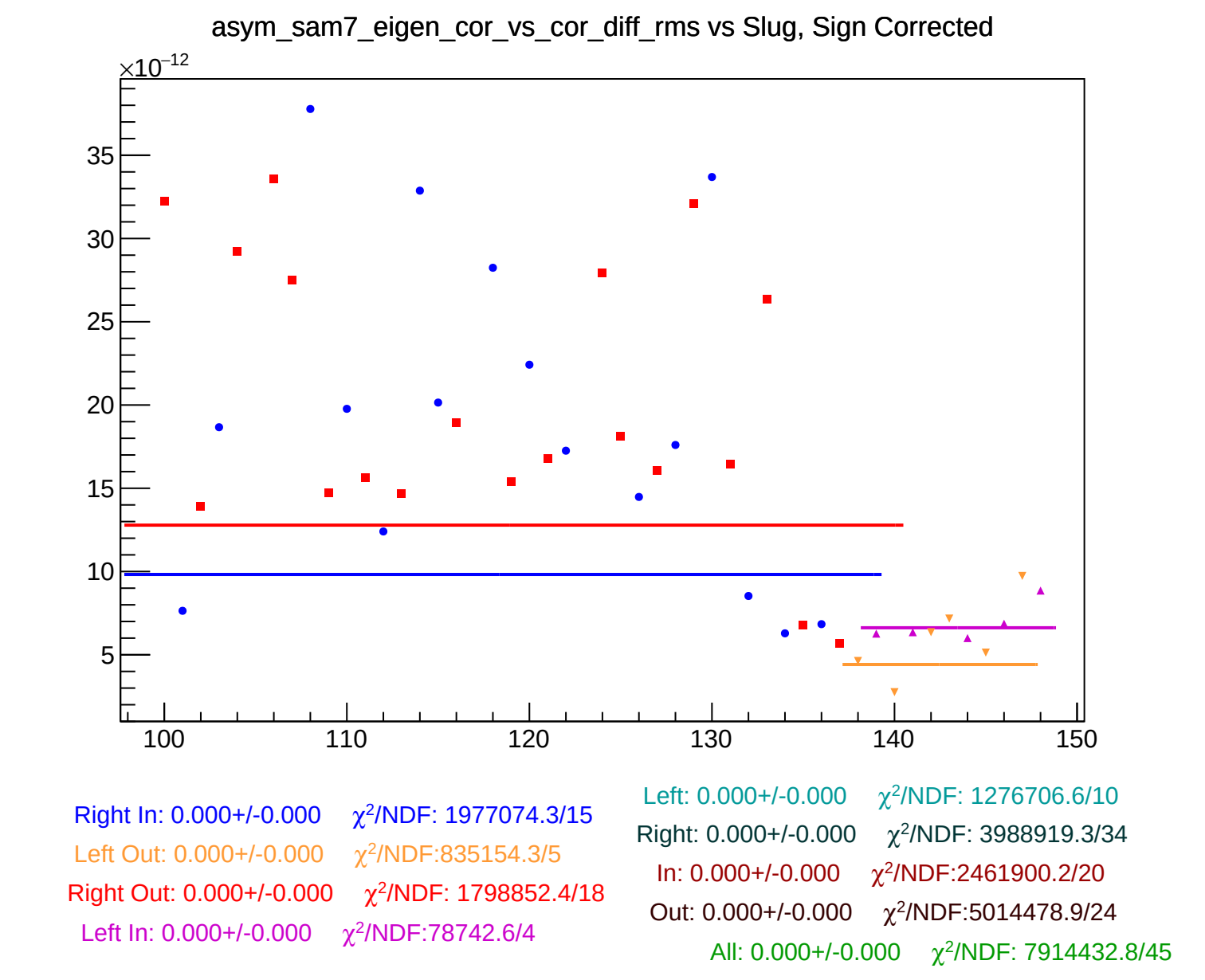
Left: 0.000+/-0.000 χ^2/NDF: 9.4/10

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

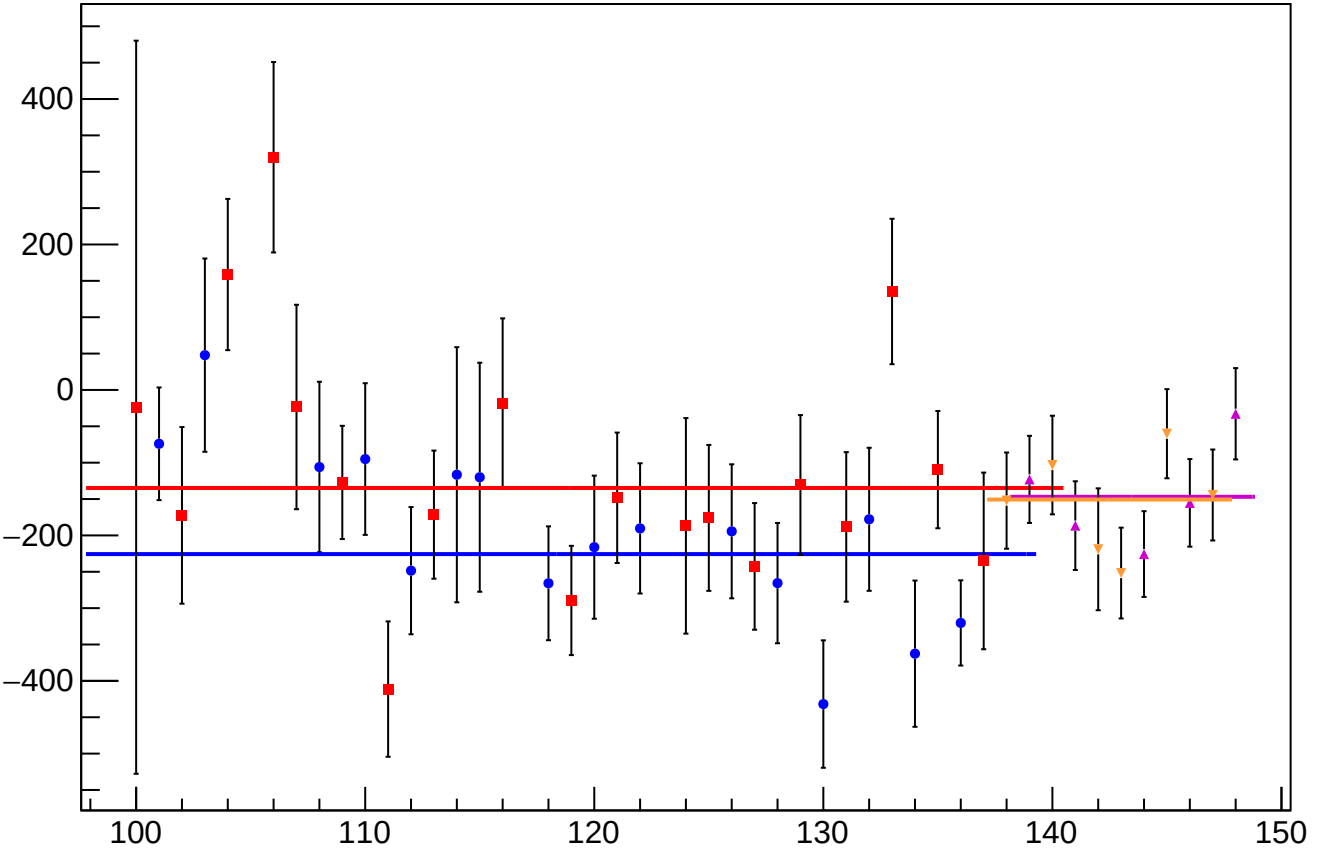
In: 0.000+/-0.000 χ^2/NDF:14.8/20

Out: 0.000+/-0.000 χ^2/NDF:29.6/24

All: 0.000+/-0.000 χ^2/NDF: 44.4/45


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:835154.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:78742.6/4
Left: 0.000+/-0.000 χ²/NDF: 1276706.6/10
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2461900.2/20
Out: 0.000+/-0.000 χ²/NDF:5014478.9/24
All: 0.000+/-0.000 χ²/NDF: 7914432.8/45

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.685+/-27.044 χ^2/NDF:6.0/5

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -146.915+/-27.067 χ^2/NDF:5.7/4

Left: -148.802+/-19.131 χ^2/NDF: 11.7/10

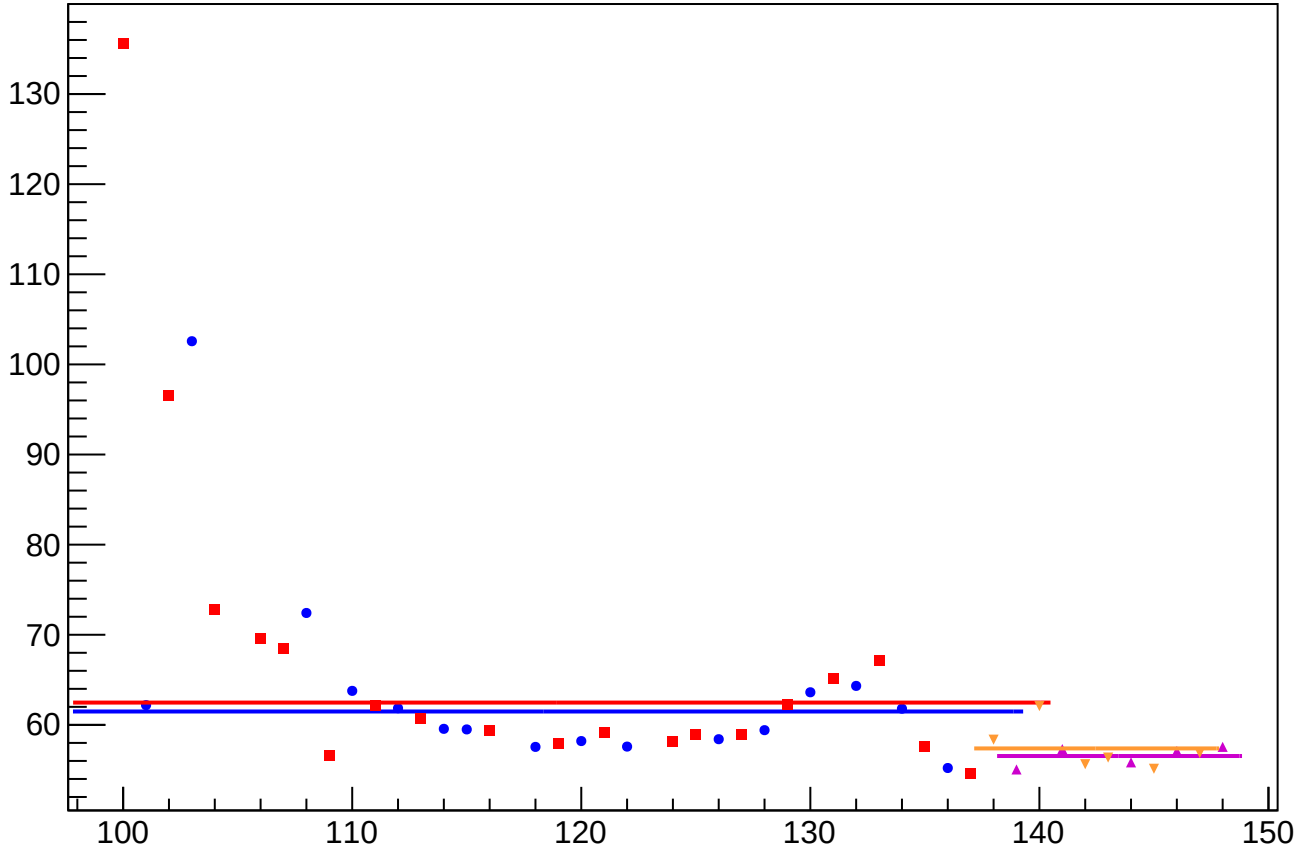
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -192.463+/-17.579 χ^2/NDF:33.2/20

Out: -141.510+/-17.605 χ^2/NDF:51.4/24

All: -167.024+/-12.439 χ^2/NDF: 88.8/45

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

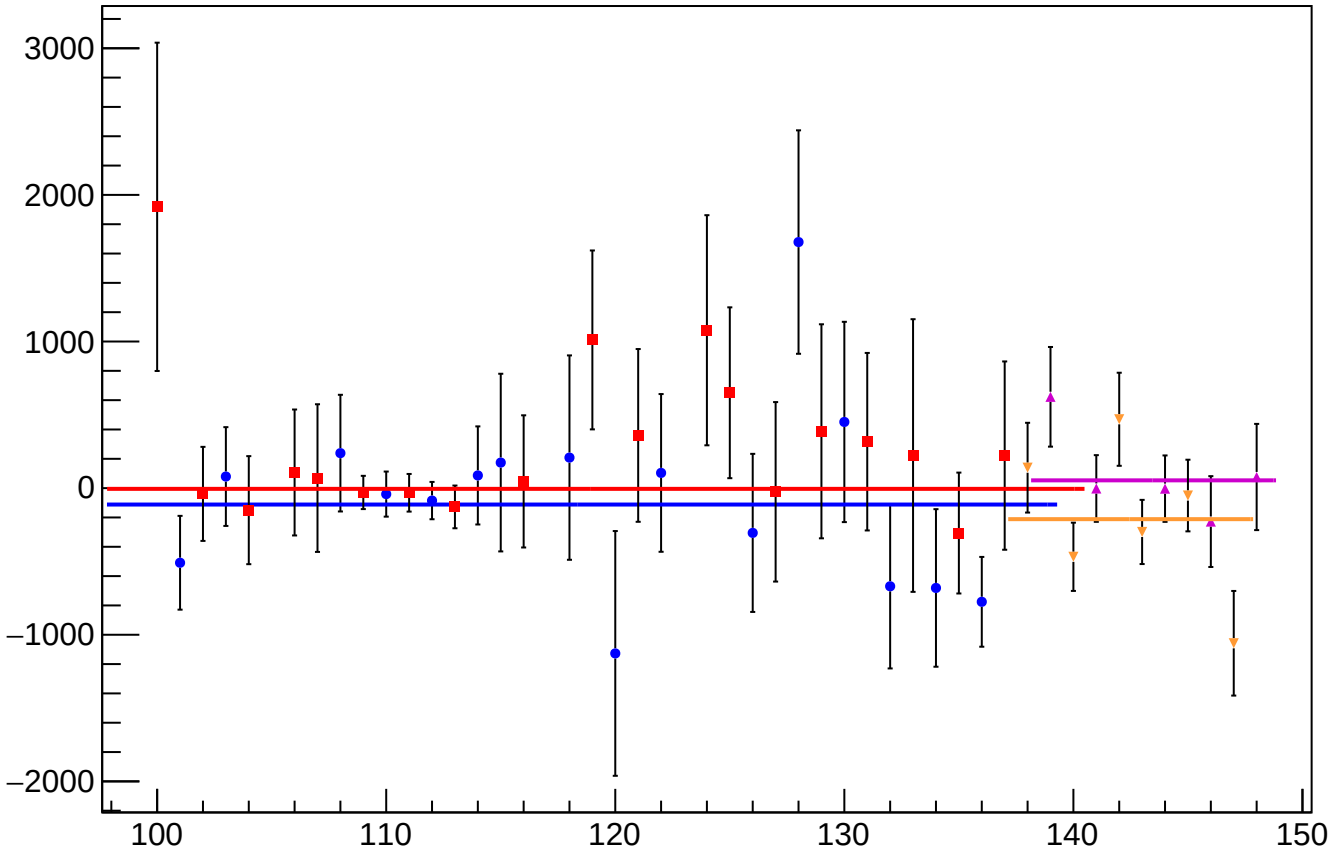
Left: 56.967+/-0.014 χ^2/NDF: 17783.7/10

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.402+/-0.012 χ^2/NDF:291727.3/20

Out: 60.320+/-0.012 χ^2/NDF:336216.9/24

All: 59.860+/-0.009 χ^2/NDF: 630664.6/45



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -211.582+/-108.758 χ^2/NDF:13.4/5

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 53.099+/-123.520 χ^2/NDF:3.8/4

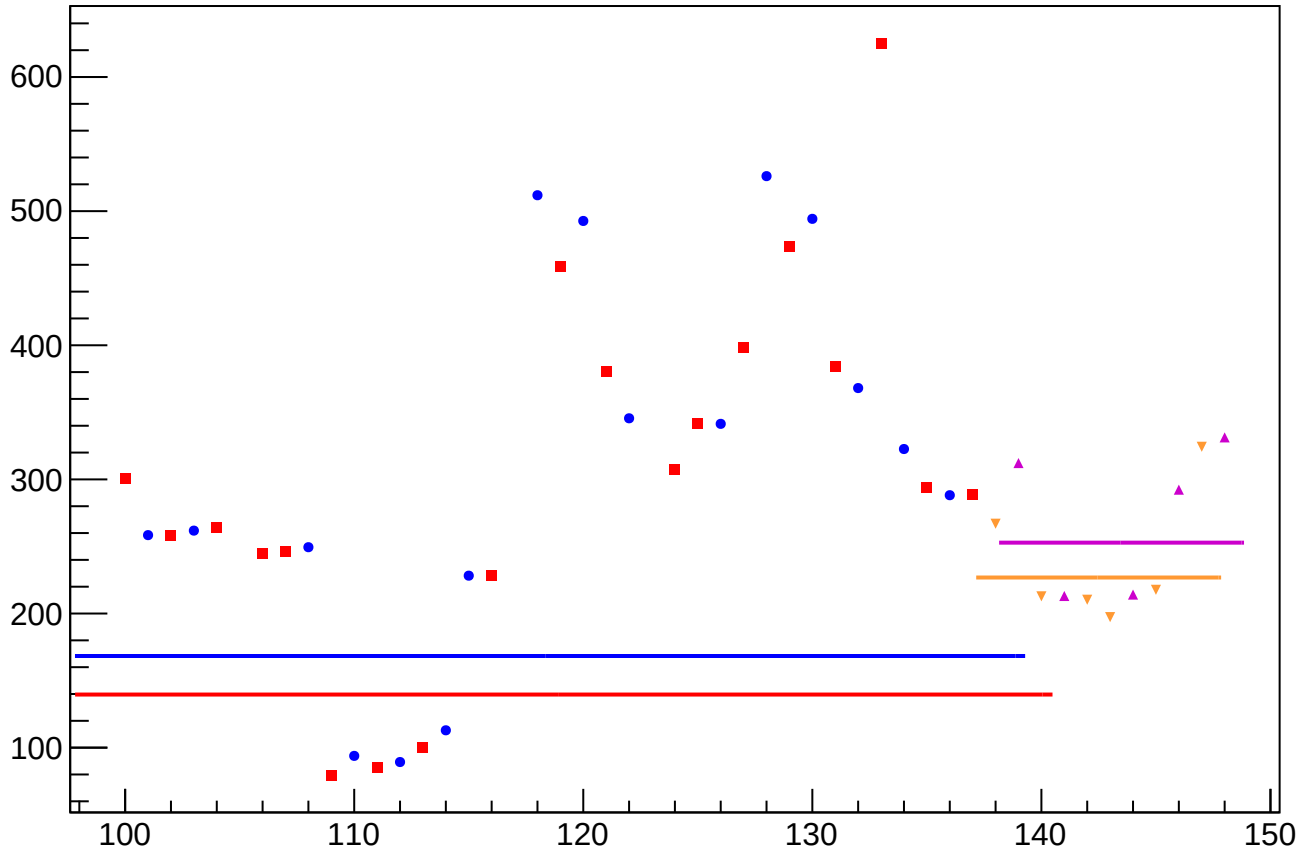
Left: -95.996+/-81.626 χ^2/NDF: 19.7/10

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -66.394+/-64.860 χ^2/NDF:23.5/20

Out: -57.974+/-55.115 χ^2/NDF:27.7/24

All: -61.505+/-41.999 χ^2/NDF: 51.2/45



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 226.849+/-0.077 χ^2/NDF:235571.0/5

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 252.841+/-0.087 χ^2/NDF:307001.6/4

Left: 238.199+/-0.058 χ^2/NDF: 592457.9/10

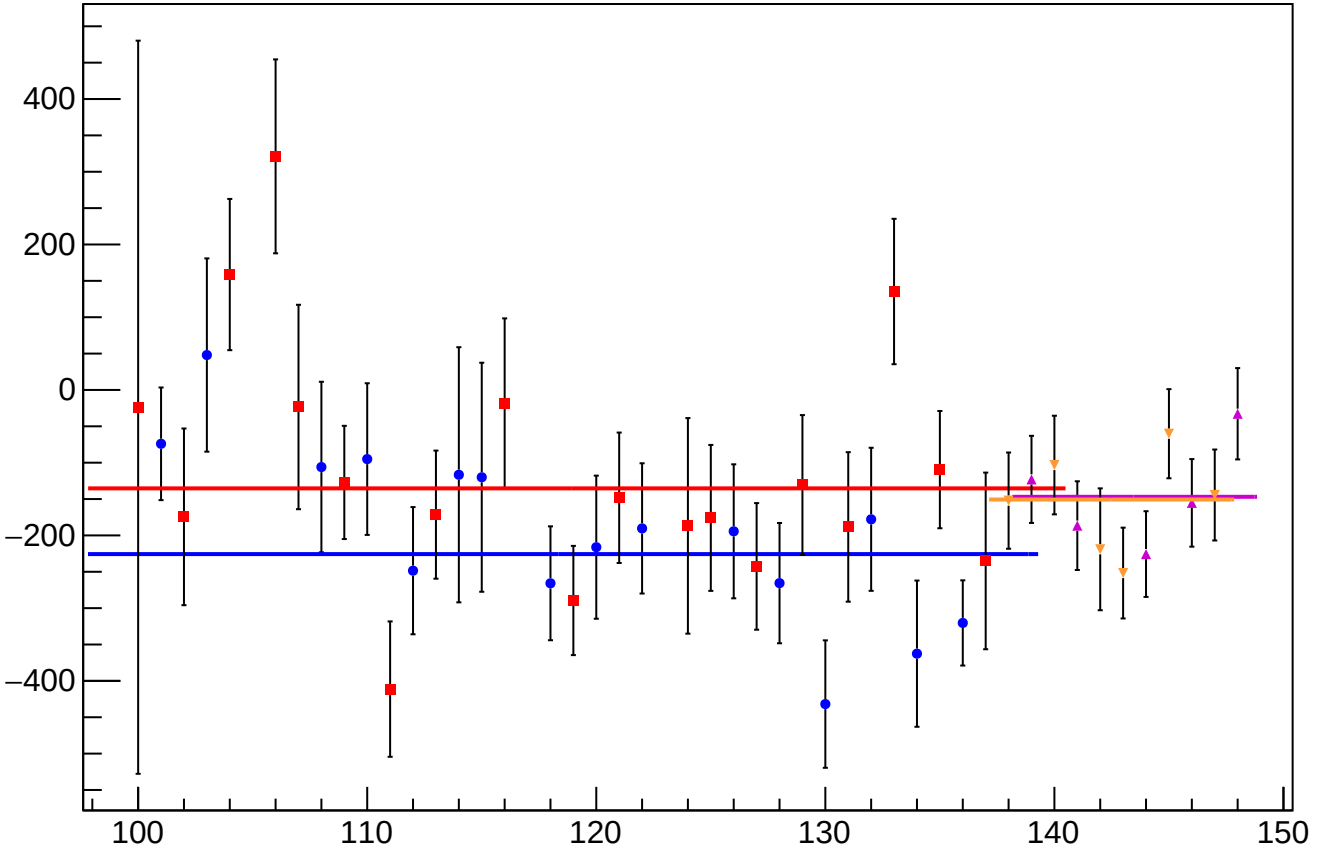
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 191.631+/-0.046 χ^2/NDF:5529132.3/20

Out: 162.002+/-0.039 χ^2/NDF:6346448.0/24

All: 174.426+/-0.030 χ^2/NDF: 12117946.5/45

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.681+/-27.044 χ^2/NDF:6.0/5

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -146.912+/-27.067 χ^2/NDF:5.7/4

Left: -148.798+/-19.131 χ^2/NDF: 11.7/10

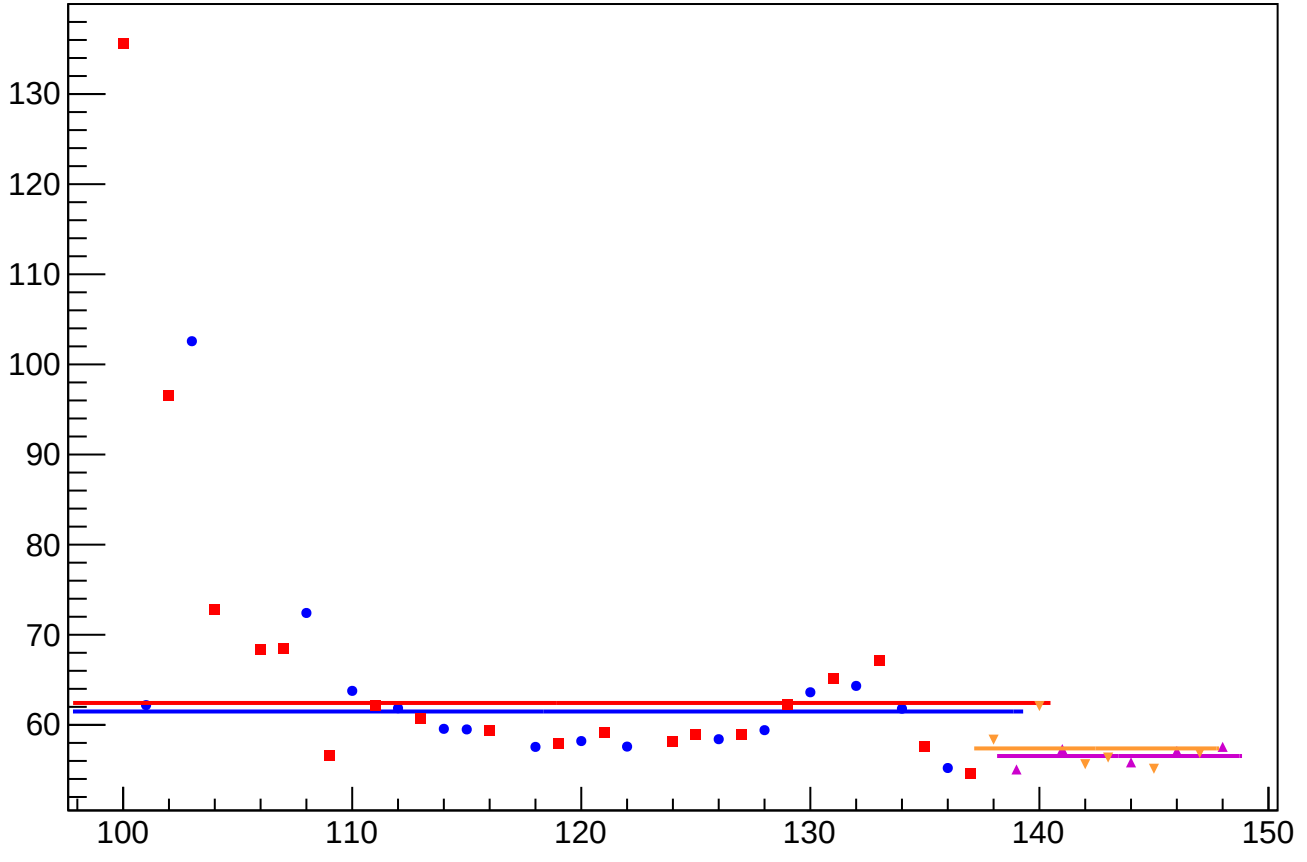
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -192.462+/-17.579 χ^2/NDF:33.2/20

Out: -141.829+/-17.611 χ^2/NDF:51.1/24

All: -167.191+/-12.441 χ^2/NDF: 88.4/45

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

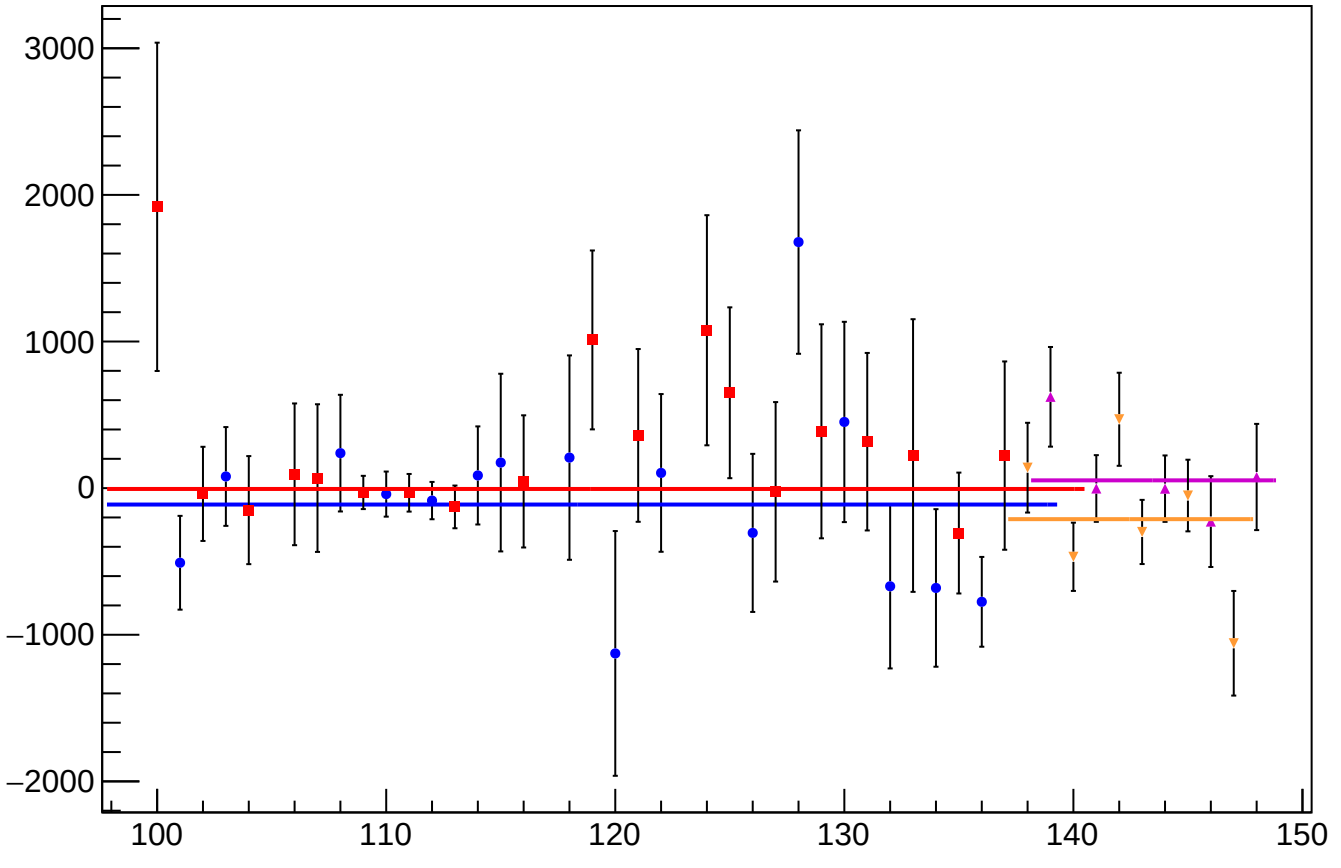
Left: 56.967+/-0.014 χ^2/NDF: 17783.7/10

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.402+/-0.012 χ^2/NDF:291729.9/20

Out: 60.293+/-0.012 χ^2/NDF:333769.9/24

All: 59.847+/-0.009 χ^2/NDF: 628065.9/45



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -211.579+/-108.758 χ^2/NDF:13.4/5

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 53.097+/-123.520 χ^2/NDF:3.8/4

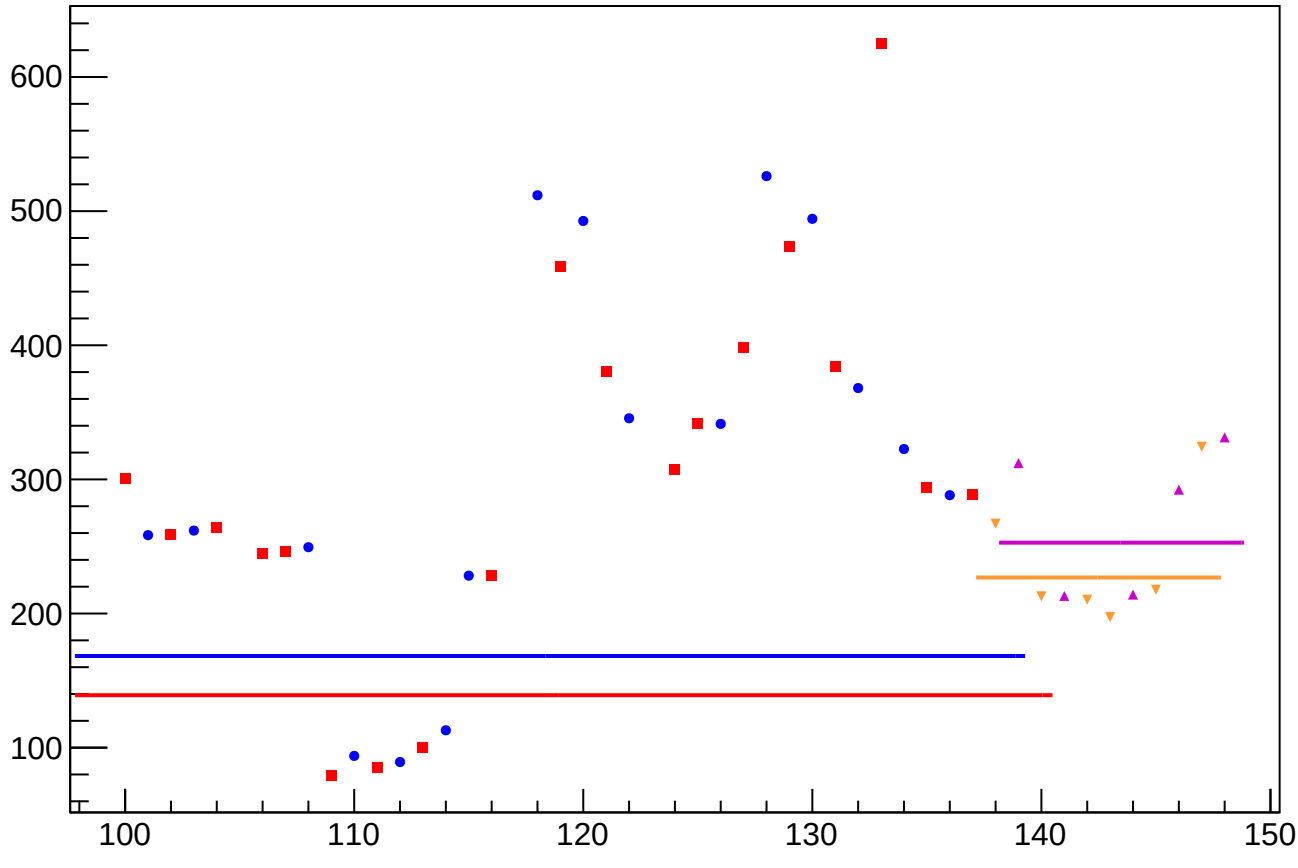
Left: -95.995+/-81.626 χ^2/NDF: 19.7/10

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -66.381+/-64.860 χ^2/NDF:23.5/20

Out: -58.697+/-55.212 χ^2/NDF:27.6/24

All: -61.926+/-42.043 χ^2/NDF: 51.2/45



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 226.848+/-0.077 χ^2/NDF:235569.6/5

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

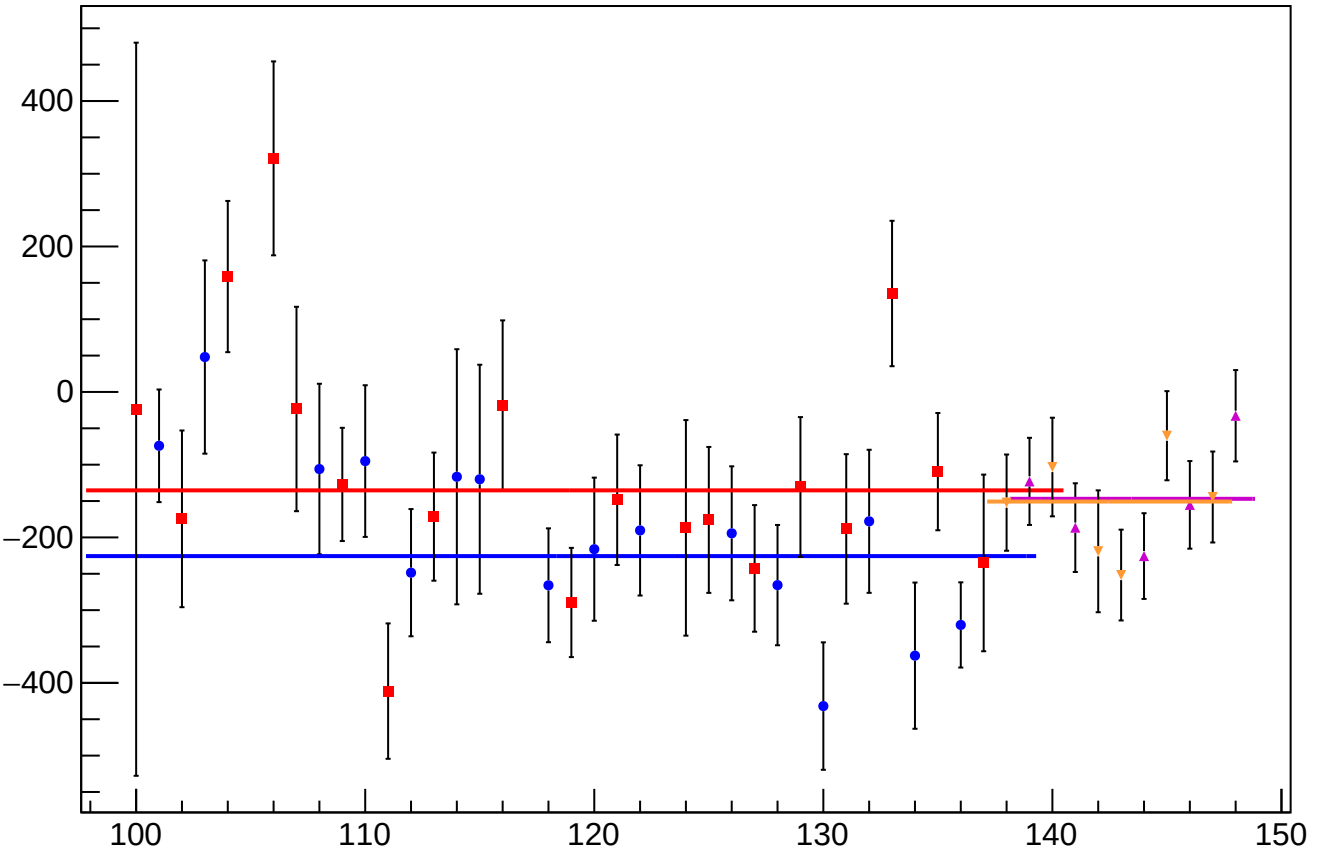
Left: 238.199+/-0.058 χ^2/NDF: 592457.5/10

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 191.632+/-0.046 χ^2/NDF:5529180.6/20

Out: 161.718+/-0.039 χ^2/NDF:6331867.3/24

All: 174.287+/-0.030 χ^2/NDF: 12107715.3/45



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.681+/-27.044 χ^2/NDF:6.0/5

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -146.912+/-27.067 χ^2/NDF:5.7/4

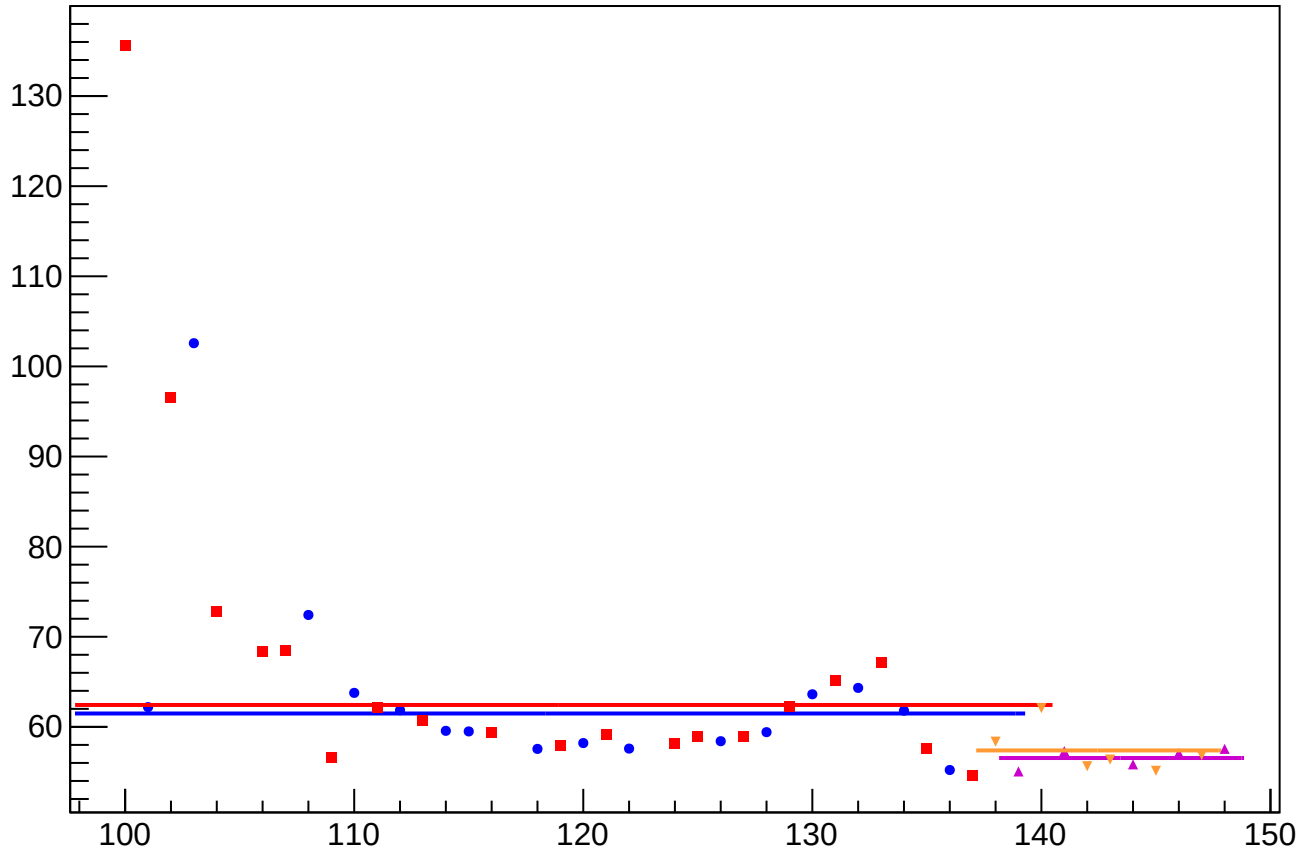
Left: -148.798+/-19.131 χ^2/NDF: 11.7/10

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -192.462+/-17.579 χ^2/NDF:33.2/20

Out: -141.829+/-17.611 χ^2/NDF:51.1/24

All: -167.191+/-12.441 χ^2/NDF: 88.4/45



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

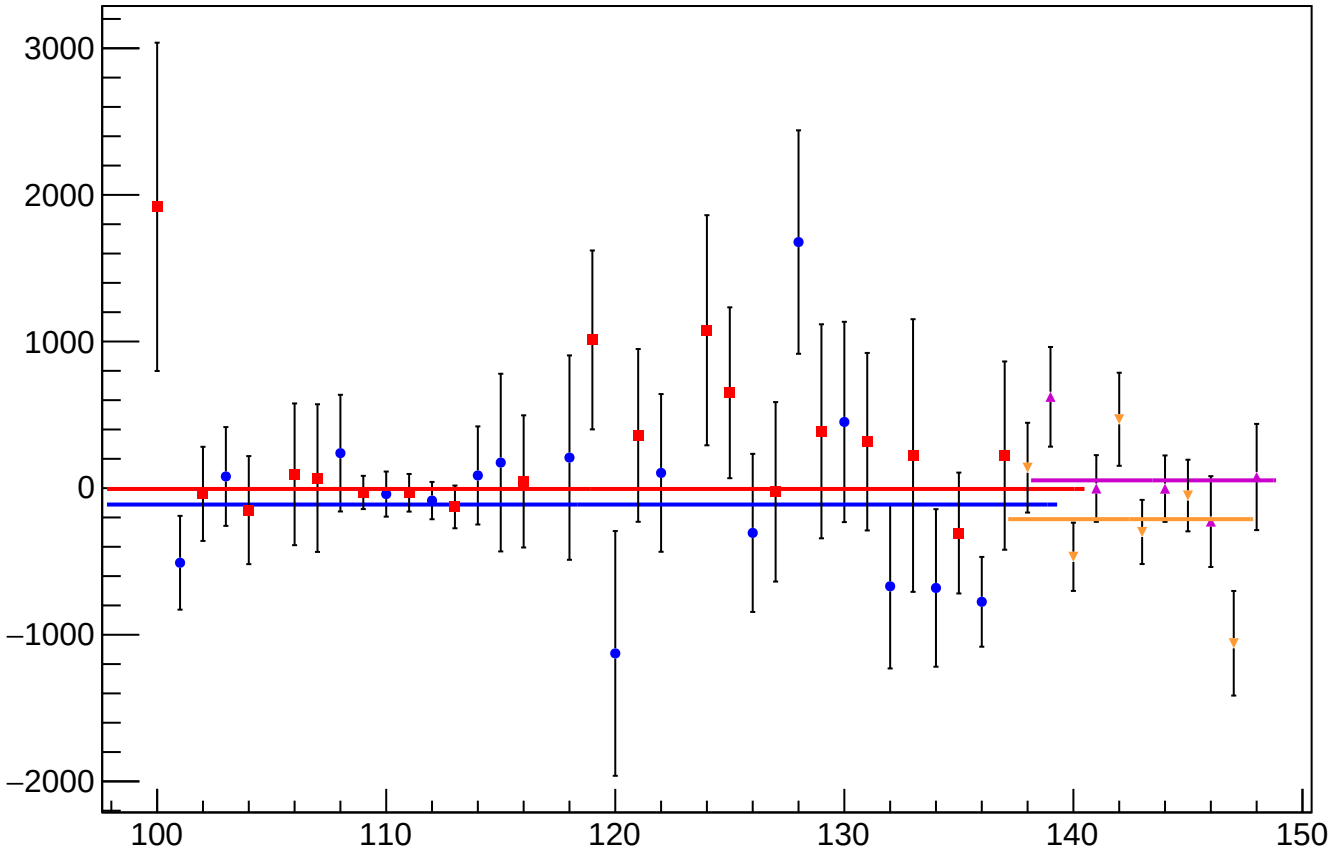
Left: 56.967+/-0.014 χ^2/NDF: 17783.7/10

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.402+/-0.012 χ^2/NDF:291729.9/20

Out: 60.293+/-0.012 χ^2/NDF:333769.9/24

All: 59.847+/-0.009 χ^2/NDF: 628065.9/45



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -211.579+/-108.758 χ^2/NDF:13.4/5

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 53.097+/-123.520 χ^2/NDF:3.8/4

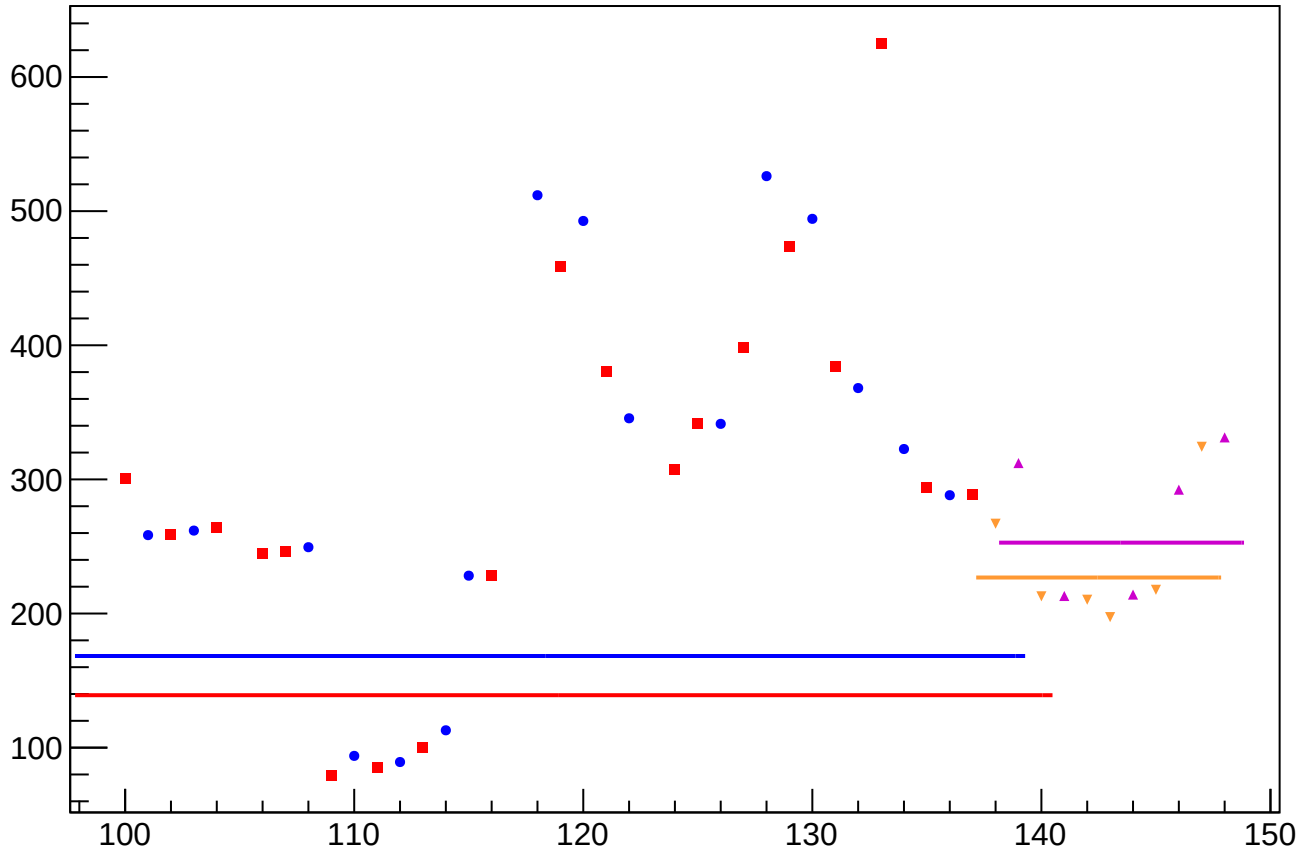
Left: -95.995+/-81.626 χ^2/NDF: 19.7/10

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -66.381+/-64.860 χ^2/NDF:23.5/20

Out: -58.697+/-55.212 χ^2/NDF:27.6/24

All: -61.926+/-42.043 χ^2/NDF: 51.2/45



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 226.848+/-0.077 χ^2/NDF:235569.6/5

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

Left: 238.199+/-0.058 χ^2/NDF: 592457.5/10

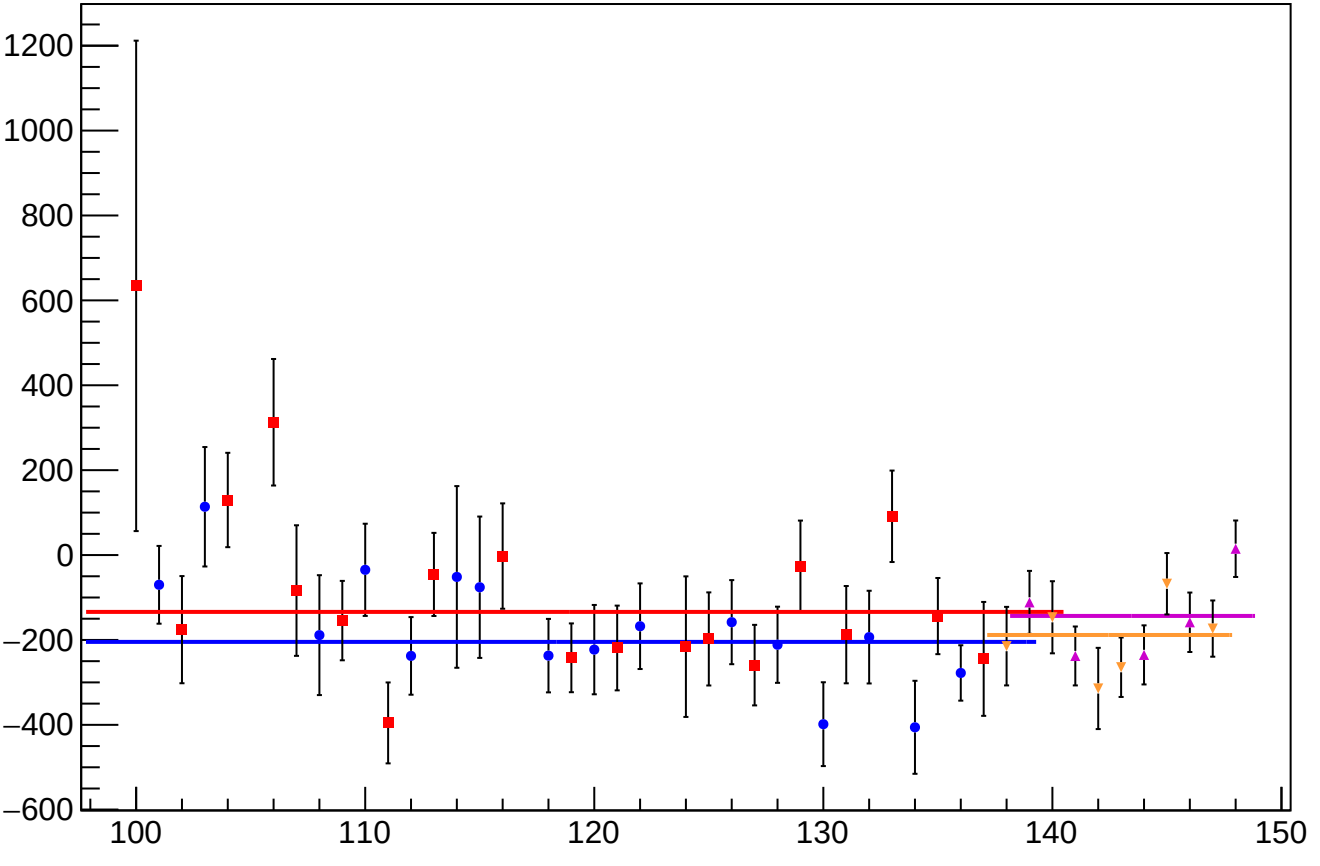
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 191.632+/-0.046 χ^2/NDF:5529180.6/20

Out: 161.718+/-0.039 χ^2/NDF:6331867.3/24

All: 174.287+/-0.030 χ^2/NDF: 12107715.3/45

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -188.299+/-31.820 χ^2/NDF:6.1/5

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -143.412+/-31.224 χ^2/NDF:9.5/4

Left: -165.431+/-22.286 χ^2/NDF: 16.6/10

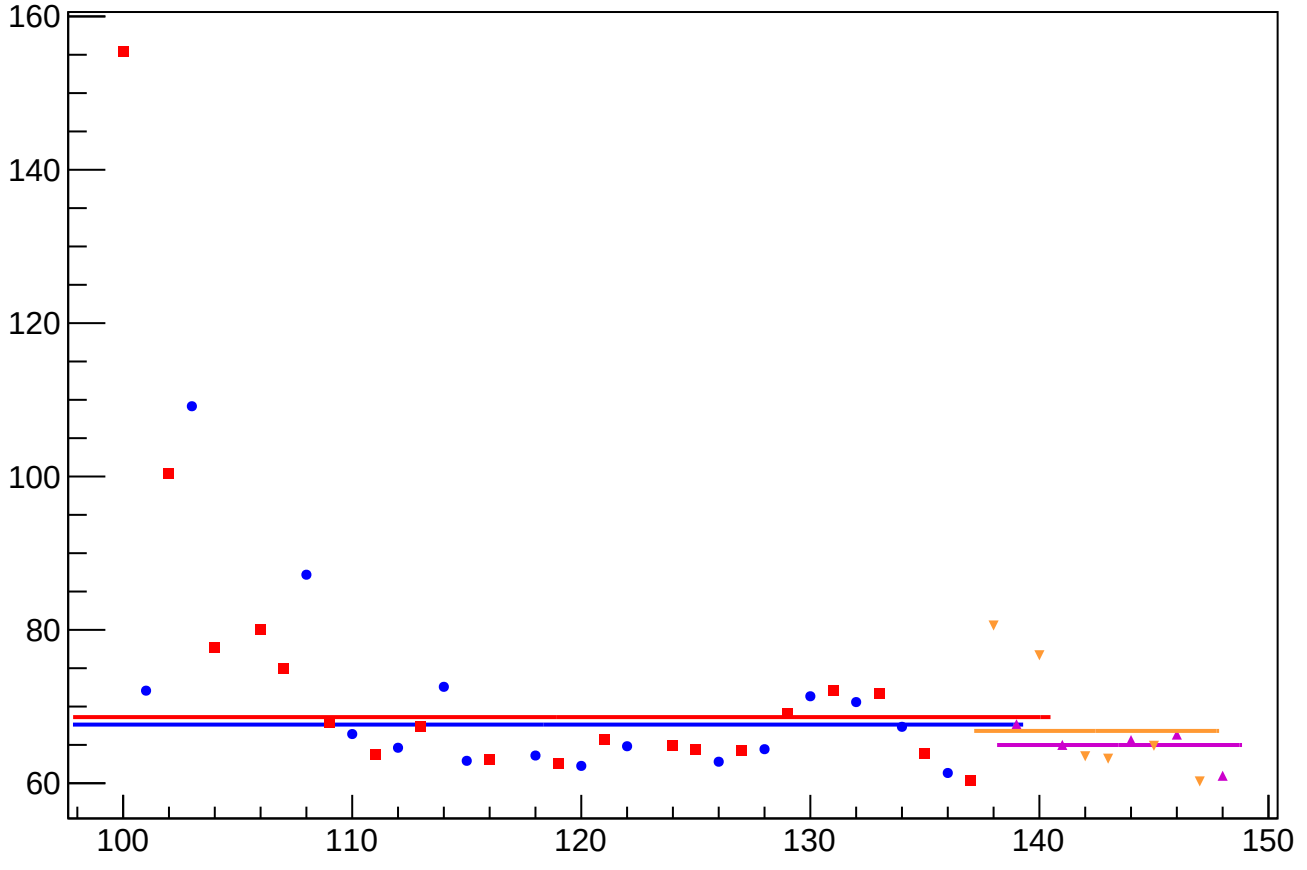
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -180.078+/-19.761 χ^2/NDF:31.8/20

Out: -155.172+/-19.891 χ^2/NDF:45.1/24

All: -167.706+/-14.019 χ^2/NDF: 77.7/45

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 66.823+/-0.023 χ^2/NDF:100103.7/5

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.985+/-0.022 χ^2/NDF:10857.2/4

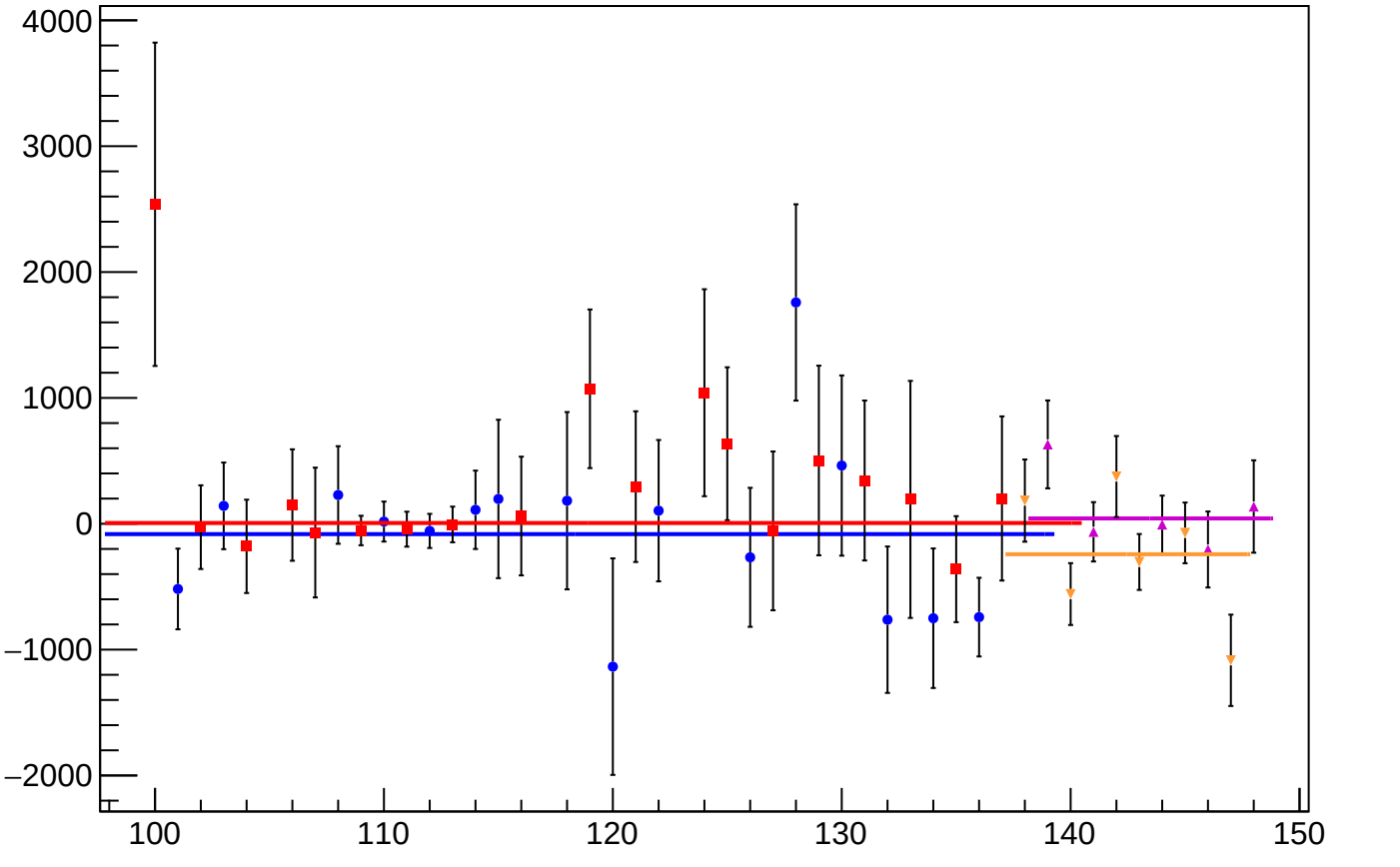
Left: 65.887+/-0.016 χ^2/NDF: 114360.4/10

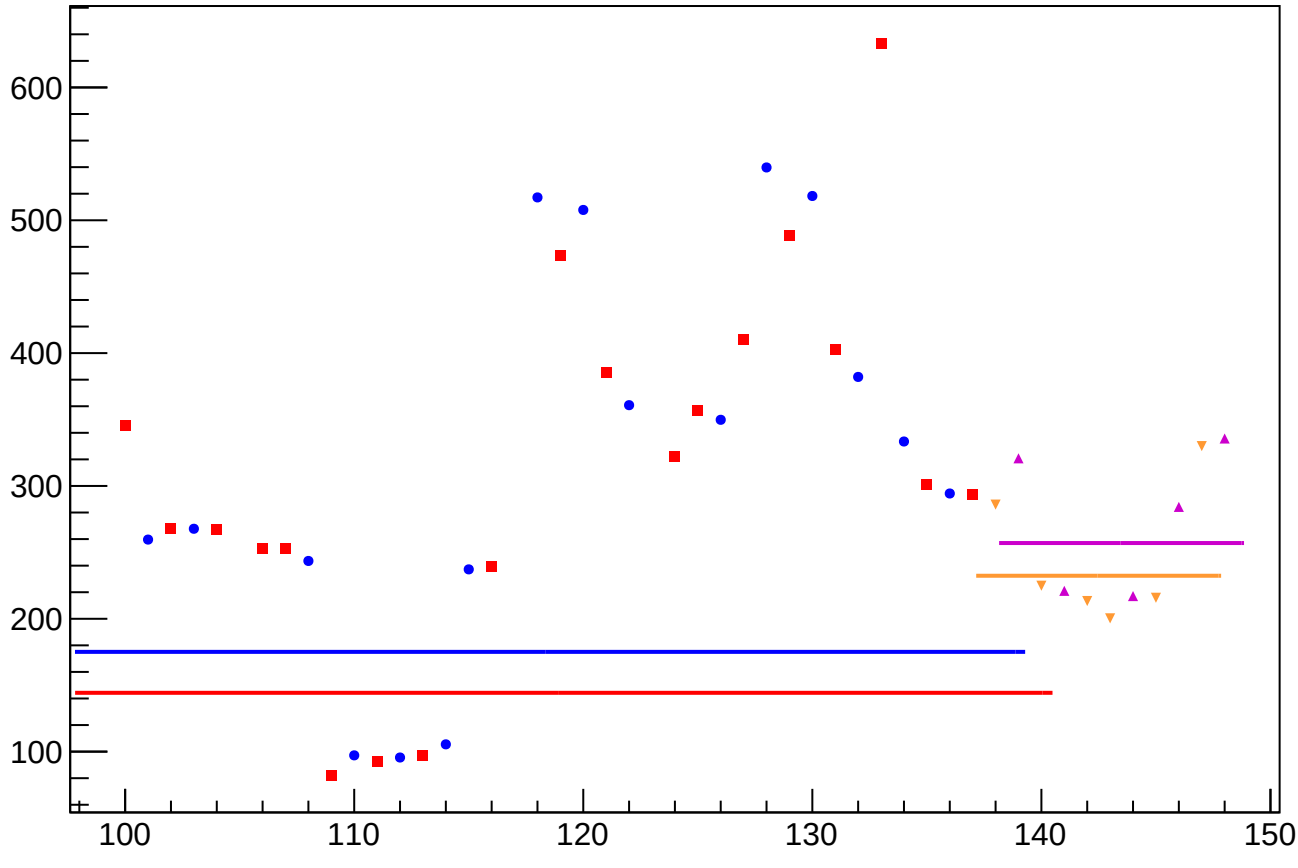
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 66.581+/-0.014 χ^2/NDF:283242.4/20

Out: 67.920+/-0.014 χ^2/NDF:352170.3/24

All: 67.246+/-0.010 χ^2/NDF: 639975.3/45


asym_sam8_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -242.284+/-111.350 χ²/NDF:13.0/5
Right Out: 6.063+/-65.910 χ²/NDF: 12.0/18
Left In: 42.295+/-125.402 χ²/NDF:3.8/4
Left: -116.825+/-83.263 χ²/NDF: 19.7/10
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -47.057+/-66.645 χ²/NDF:23.7/20
Out: -58.373+/-56.719 χ²/NDF:28.7/24
All: -53.620+/-43.194 χ²/NDF: 52.5/45



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 232.398+/-0.079 χ^2/NDF:258381.5/5

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 257.026+/-0.089 χ^2/NDF:282101.7/4

Left: 243.255+/-0.059 χ^2/NDF: 583615.1/10

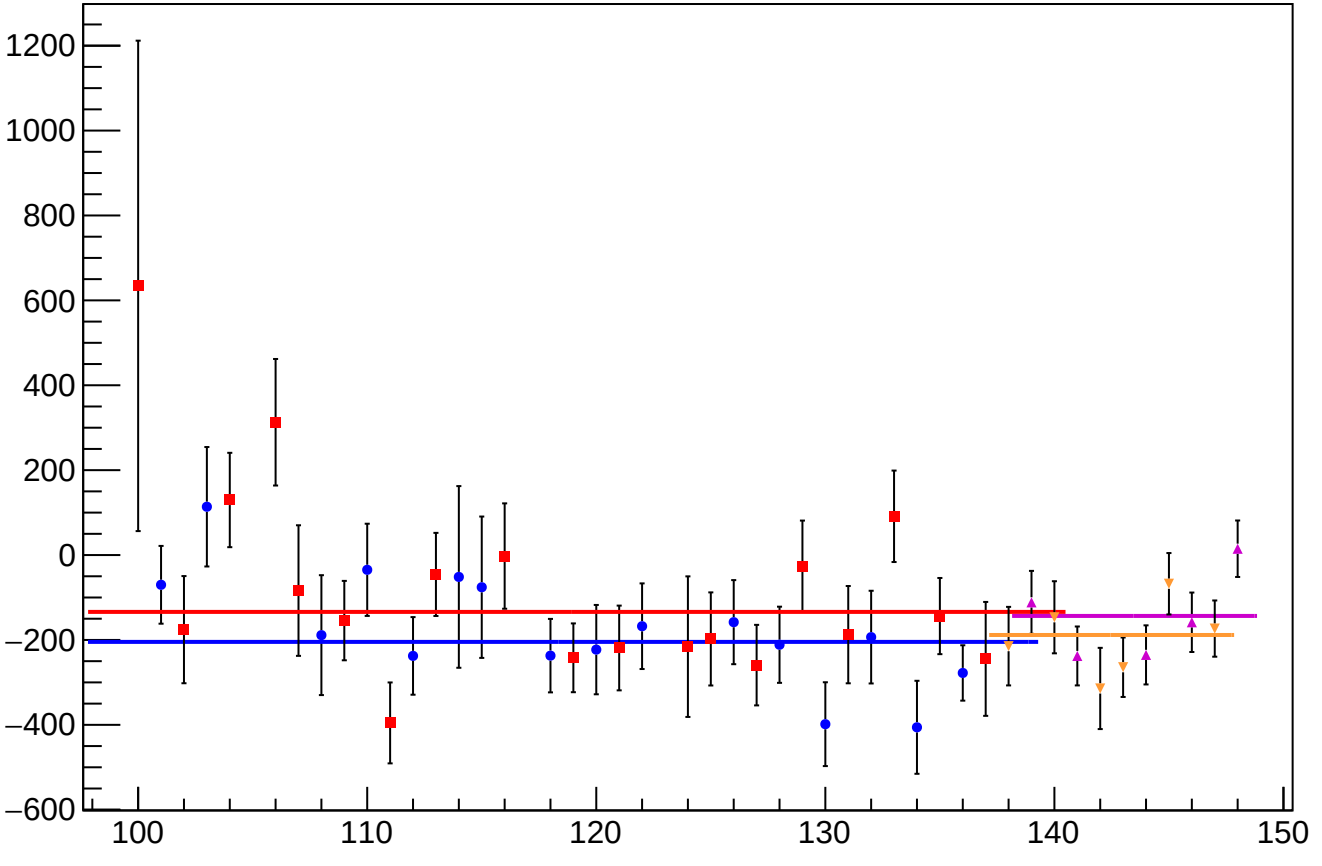
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 198.239+/-0.047 χ^2/NDF:5323704.9/20

Out: 167.140+/-0.040 χ^2/NDF:6318411.7/24

All: 180.203+/-0.031 χ^2/NDF: 11894677.4/45

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -188.300+/-31.820 χ^2/NDF:6.1/5

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -143.412+/-31.224 χ^2/NDF:9.5/4

Left: -165.432+/-22.286 χ^2/NDF: 16.6/10

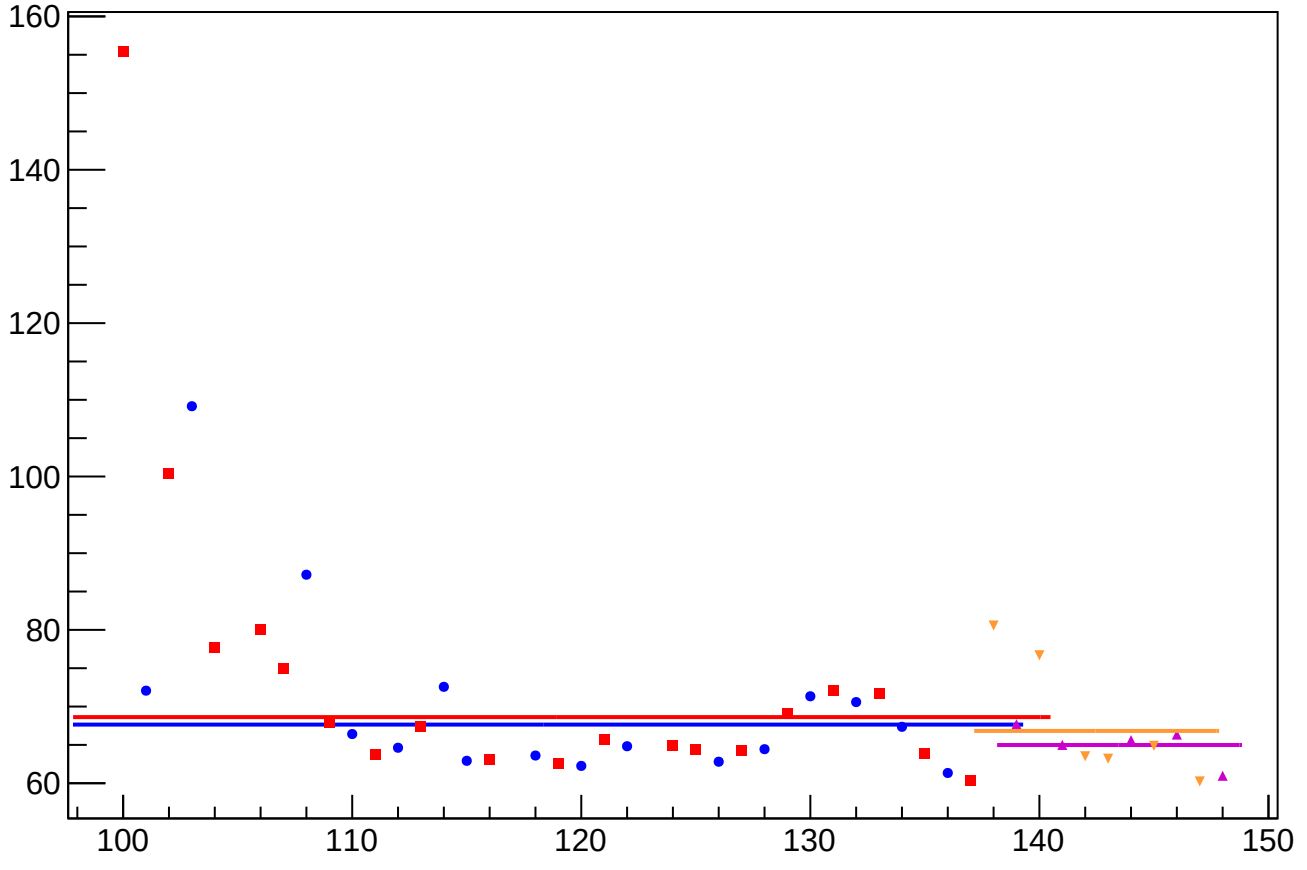
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -180.078+/-19.761 χ^2/NDF:31.8/20

Out: -155.173+/-19.891 χ^2/NDF:45.1/24

All: -167.706+/-14.019 χ^2/NDF: 77.7/45

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 66.823+/-0.023 χ^2/NDF:100101.8/5

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 64.985+/-0.022 χ^2/NDF:10857.4/4

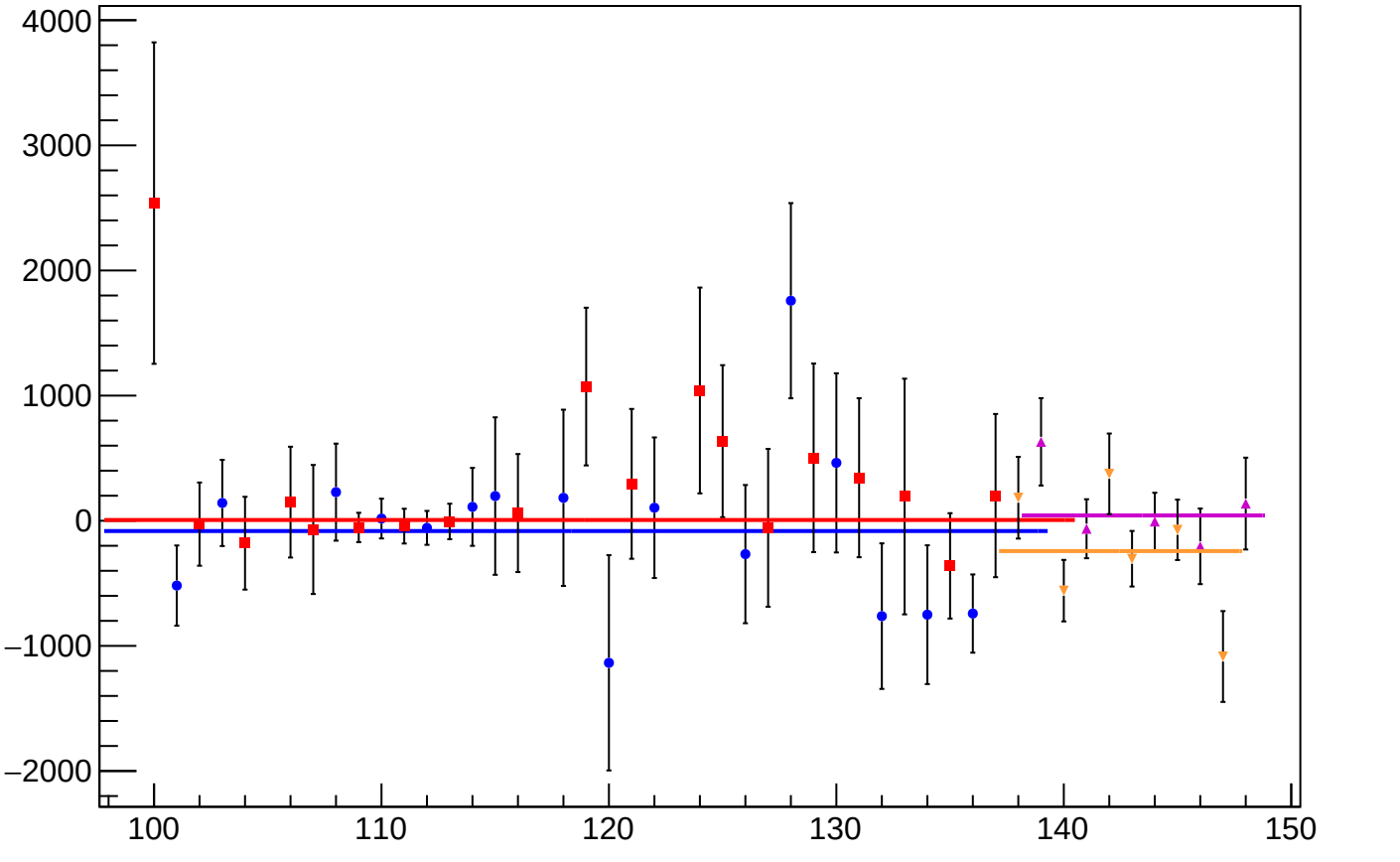
Left: 65.887+/-0.016 χ^2/NDF: 114358.8/10

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 66.581+/-0.014 χ^2/NDF:283239.8/20

Out: 67.920+/-0.014 χ^2/NDF:352168.6/24

All: 67.246+/-0.010 χ^2/NDF: 639970.8/45



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -242.285+/-111.350 χ^2/NDF:13.0/5

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 42.295+/-125.401 χ^2/NDF:3.8/4

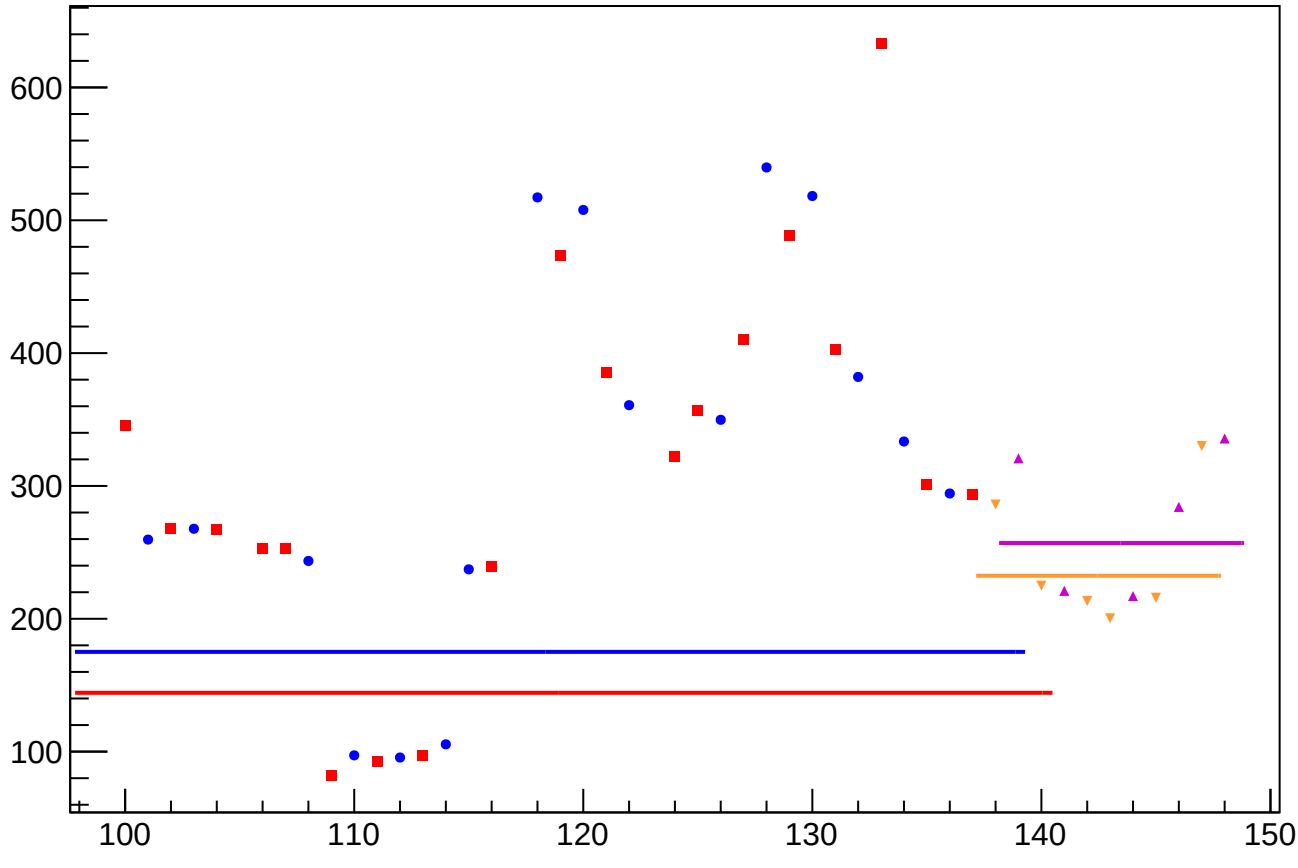
Left: -116.825+/-83.263 χ^2/NDF: 19.7/10

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -47.056+/-66.645 χ^2/NDF:23.7/20

Out: -58.374+/-56.719 χ^2/NDF:28.7/24

All: -53.620+/-43.194 χ^2/NDF: 52.5/45



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 232.397+/-0.079 χ^2/NDF:258382.2/5

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 257.025+/-0.089 χ^2/NDF:282099.5/4

Left: 243.254+/-0.059 χ^2/NDF: 583614.5/10

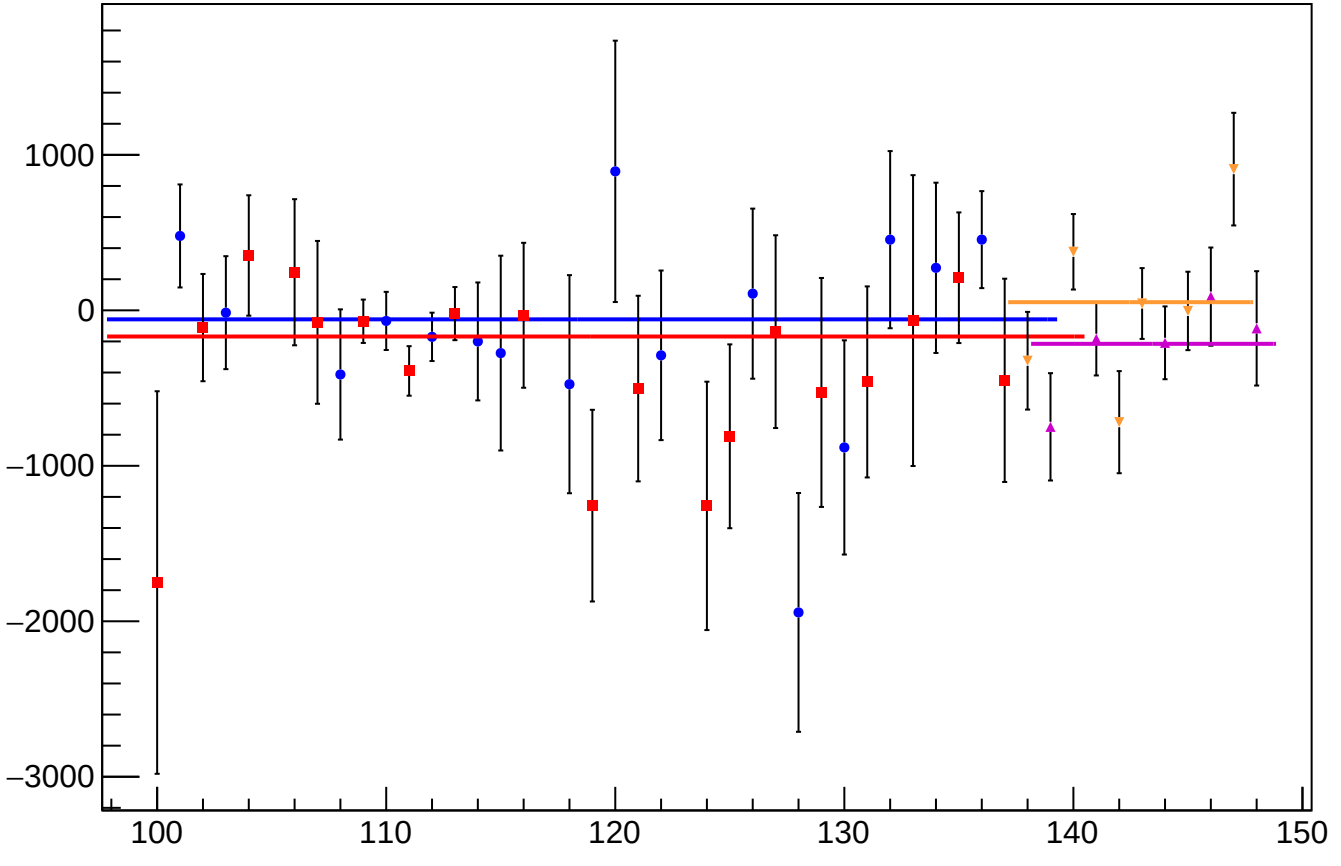
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 198.238+/-0.047 χ^2/NDF:5323736.1/20

Out: 167.140+/-0.040 χ^2/NDF:6318382.7/24

All: 180.202+/-0.031 χ^2/NDF: 11894667.1/45

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 52.465+/-112.505 χ^2/NDF:14.4/5

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -215.468+/-126.934 χ^2/NDF:3.4/4

Left: -65.414+/-84.194 χ^2/NDF: 20.3/10

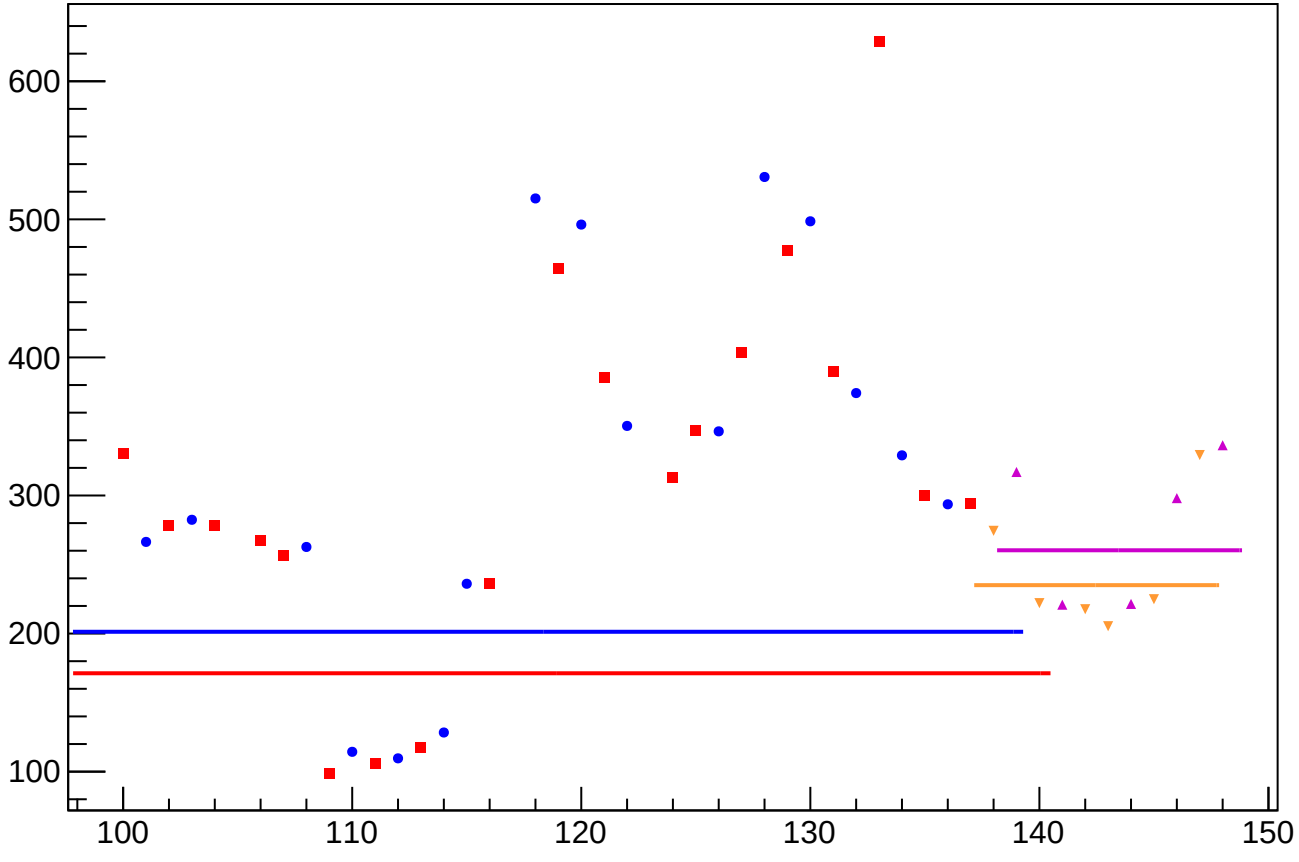
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -108.224+/-71.701 χ^2/NDF:21.8/20

Out: -100.897+/-62.172 χ^2/NDF:32.5/24

All: -104.041+/-46.973 χ^2/NDF: 54.4/45

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 235.066+/-0.080 χ^2/NDF:215492.1/5

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 260.326+/-0.090 χ^2/NDF:279157.0/4

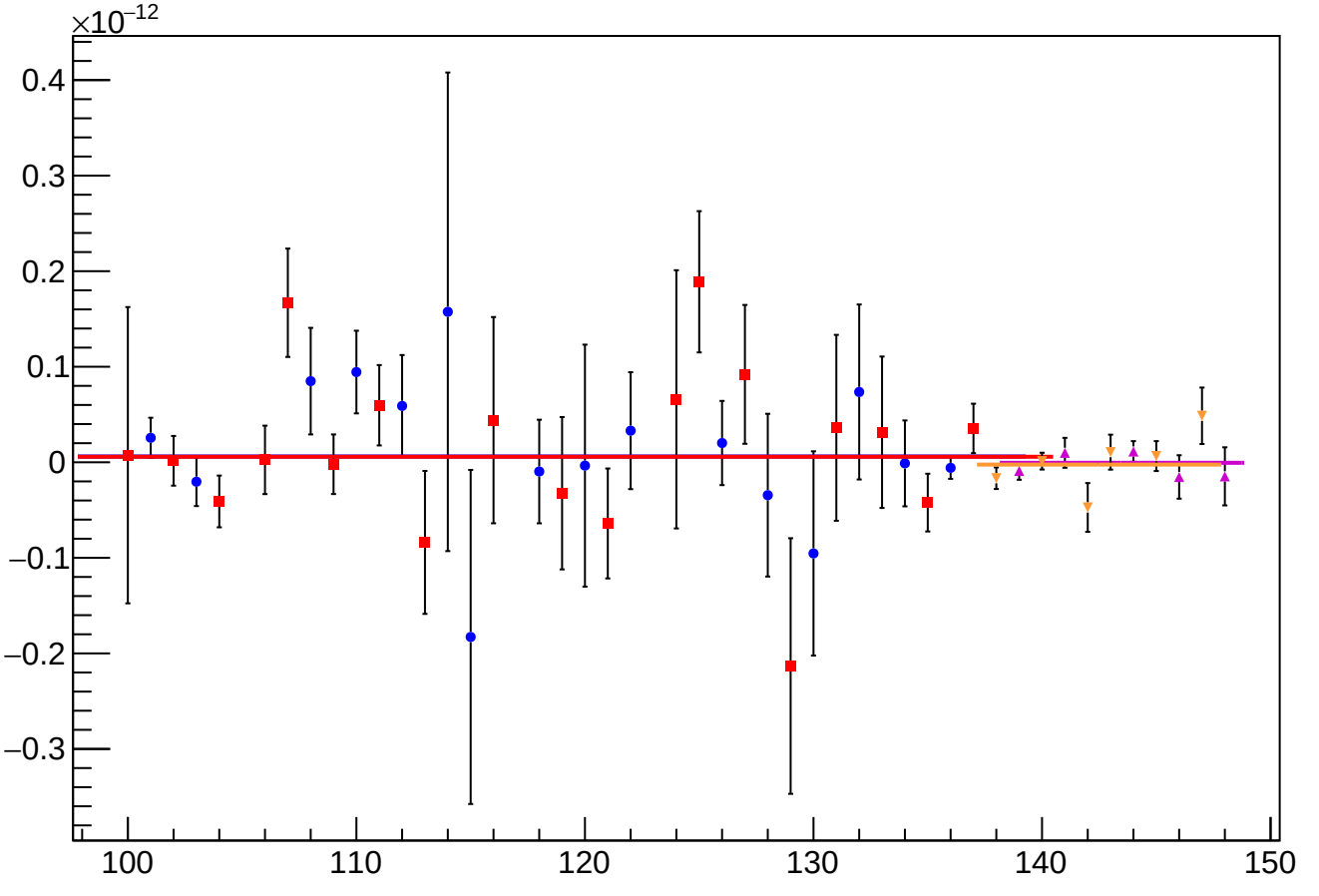
Left: 246.179+/-0.060 χ^2/NDF: 539003.2/10

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 220.134+/-0.051 χ^2/NDF:4145823.5/20

Out: 190.740+/-0.044 χ^2/NDF:4855008.8/24

All: 203.356+/-0.033 χ^2/NDF: 9192705.0/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

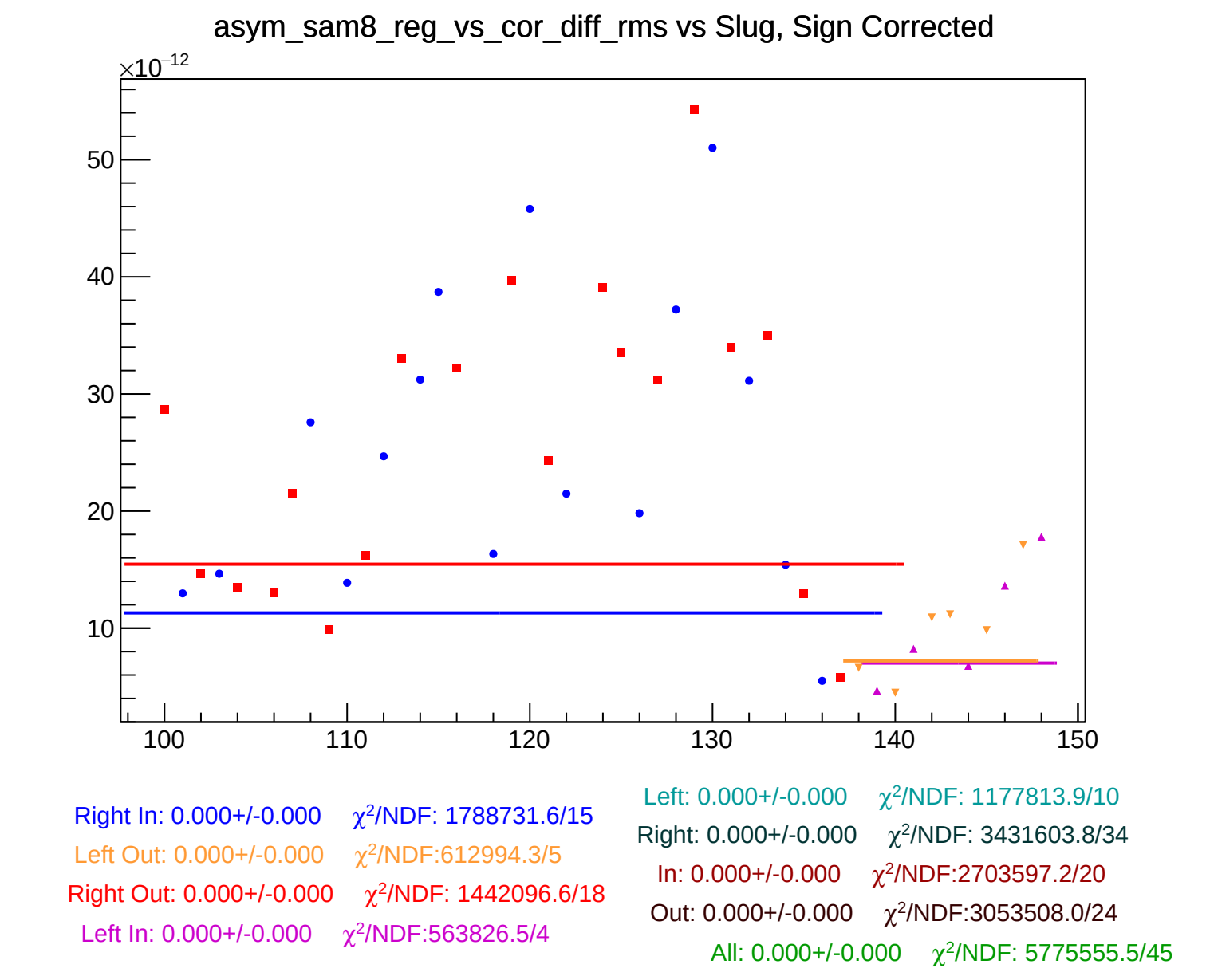
Left: -0.000+/-0.000 χ^2/NDF: 11.9/10

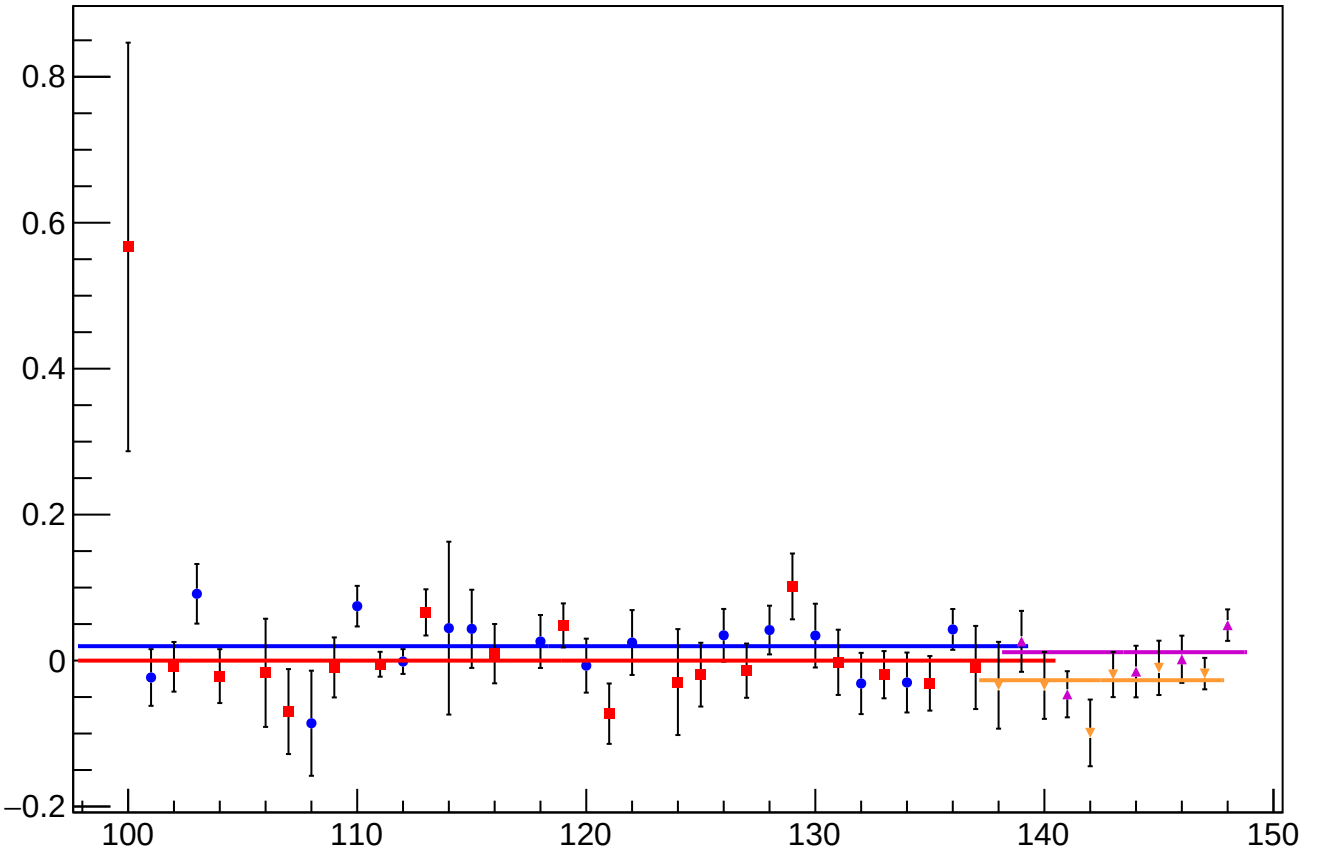
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:17.3/20

Out: -0.000+/-0.000 χ^2/NDF:39.7/24

All: 0.000+/-0.000 χ^2/NDF: 57.1/45


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:612994.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:563826.5/4
Left: 0.000+/-0.000 χ²/NDF: 1177813.9/10
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2703597.2/20
Out: 0.000+/-0.000 χ²/NDF:3053508.0/24
All: 0.000+/-0.000 χ²/NDF: 5775555.5/45



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

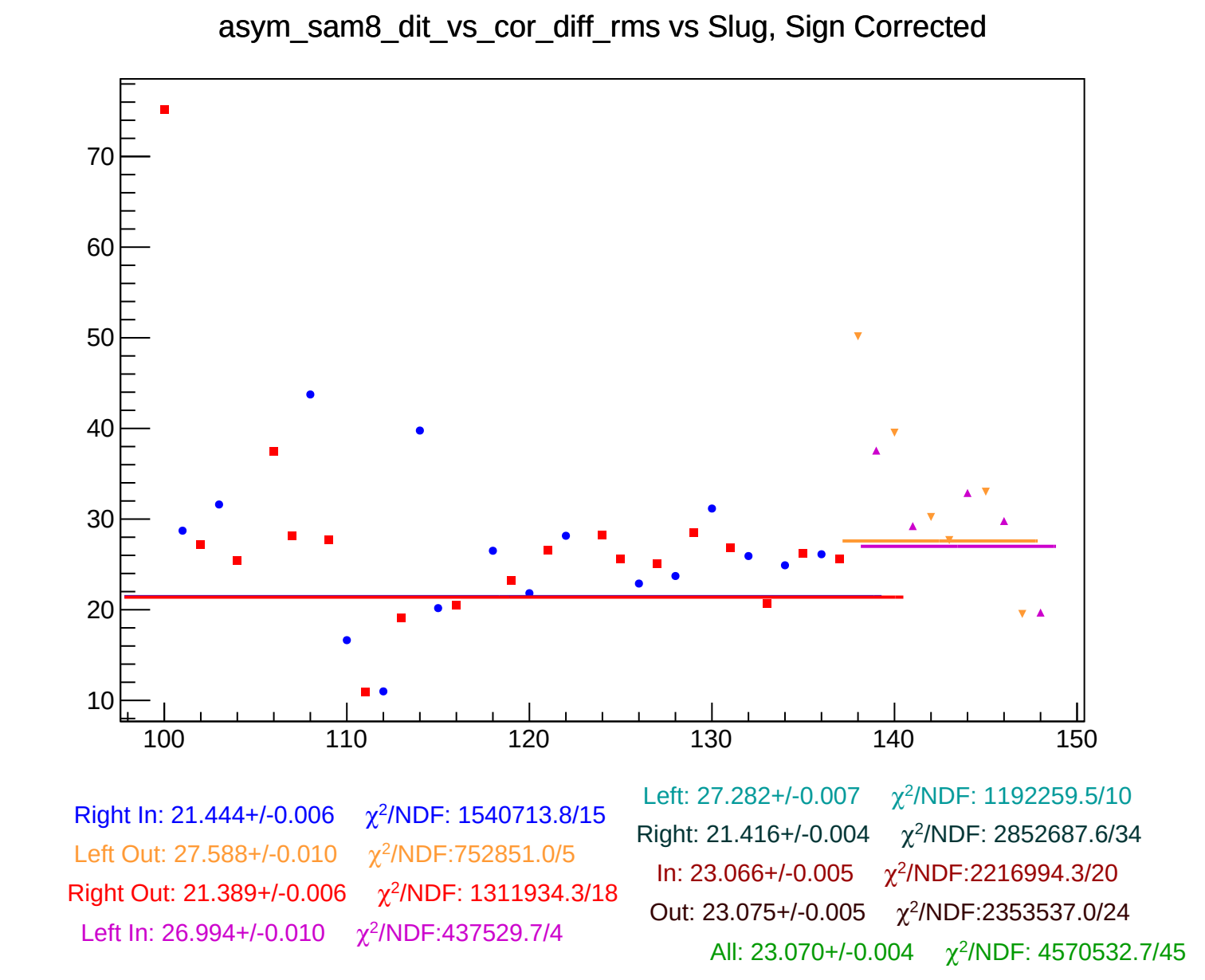
Left: -0.007+/-0.010 χ^2/NDF: 14.0/10

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

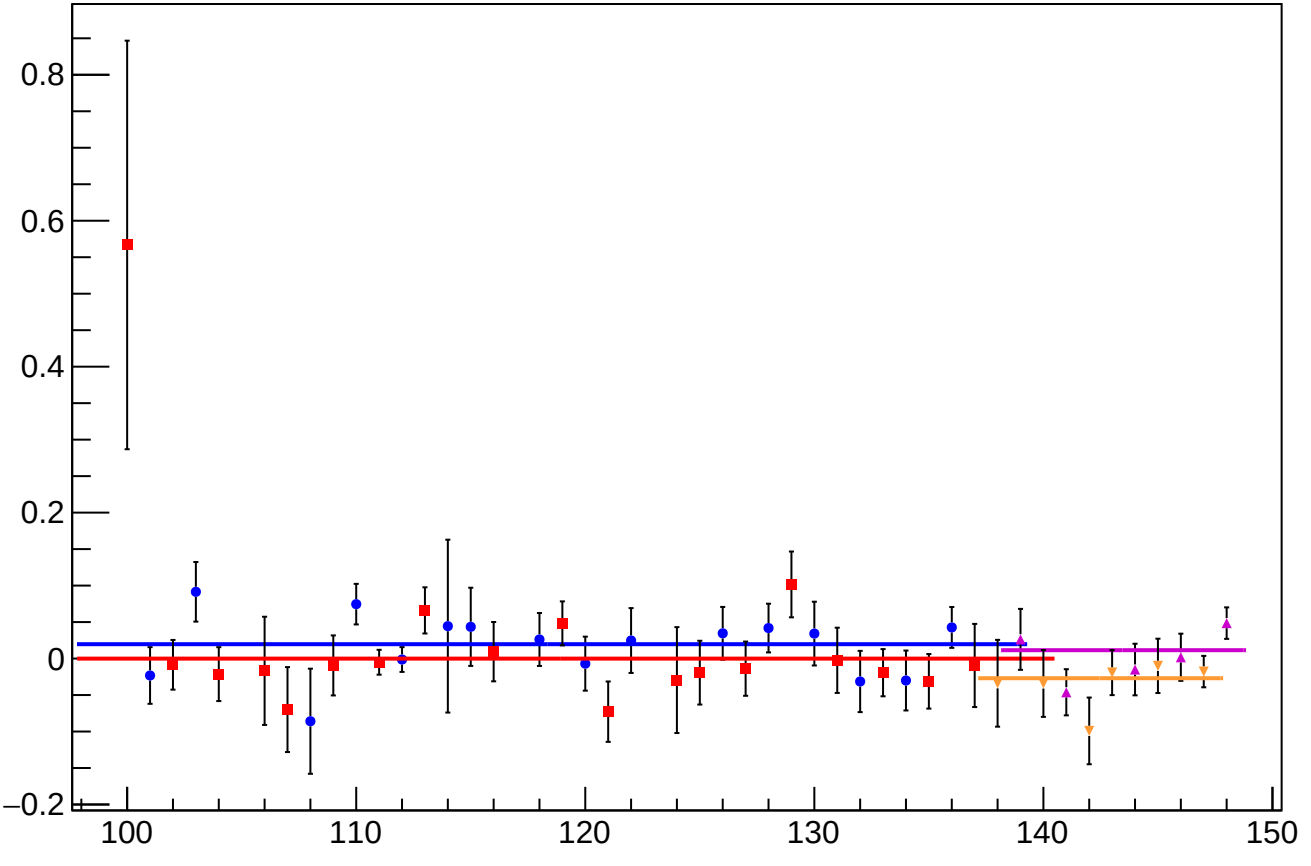
In: 0.017+/-0.007 χ^2/NDF:24.4/20

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.005+/-0.005 χ^2/NDF: 58.6/45


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.444+/-0.006 χ²/NDF: 1540713.8/15
Left Out: 27.588+/-0.010 χ²/NDF:752851.0/5
Right Out: 21.389+/-0.006 χ²/NDF: 1311934.3/18
Left In: 26.994+/-0.010 χ²/NDF:437529.7/4
Left: 27.282+/-0.007 χ²/NDF: 1192259.5/10
Right: 21.416+/-0.004 χ²/NDF: 2852687.6/34
In: 23.066+/-0.005 χ²/NDF:2216994.3/20
Out: 23.075+/-0.005 χ²/NDF:2353537.0/24
All: 23.070+/-0.004 χ²/NDF: 4570532.7/45

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

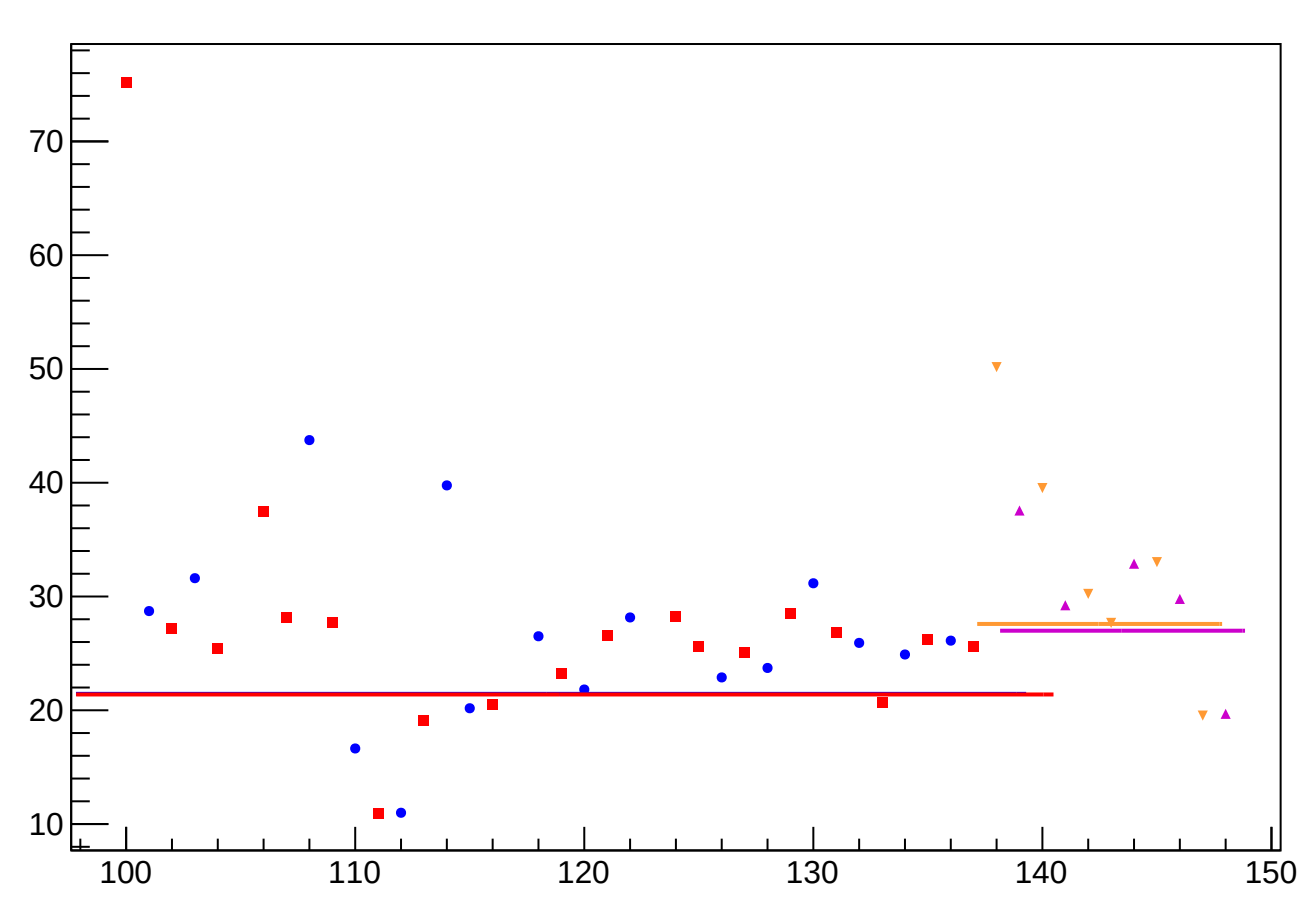
Left: -0.007+/-0.010 χ^2/NDF: 14.0/10

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.017+/-0.007 χ^2/NDF:24.4/20

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.005+/-0.005 χ^2/NDF: 58.6/45



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 27.588+/-0.010 χ^2/NDF:752851.0/5

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

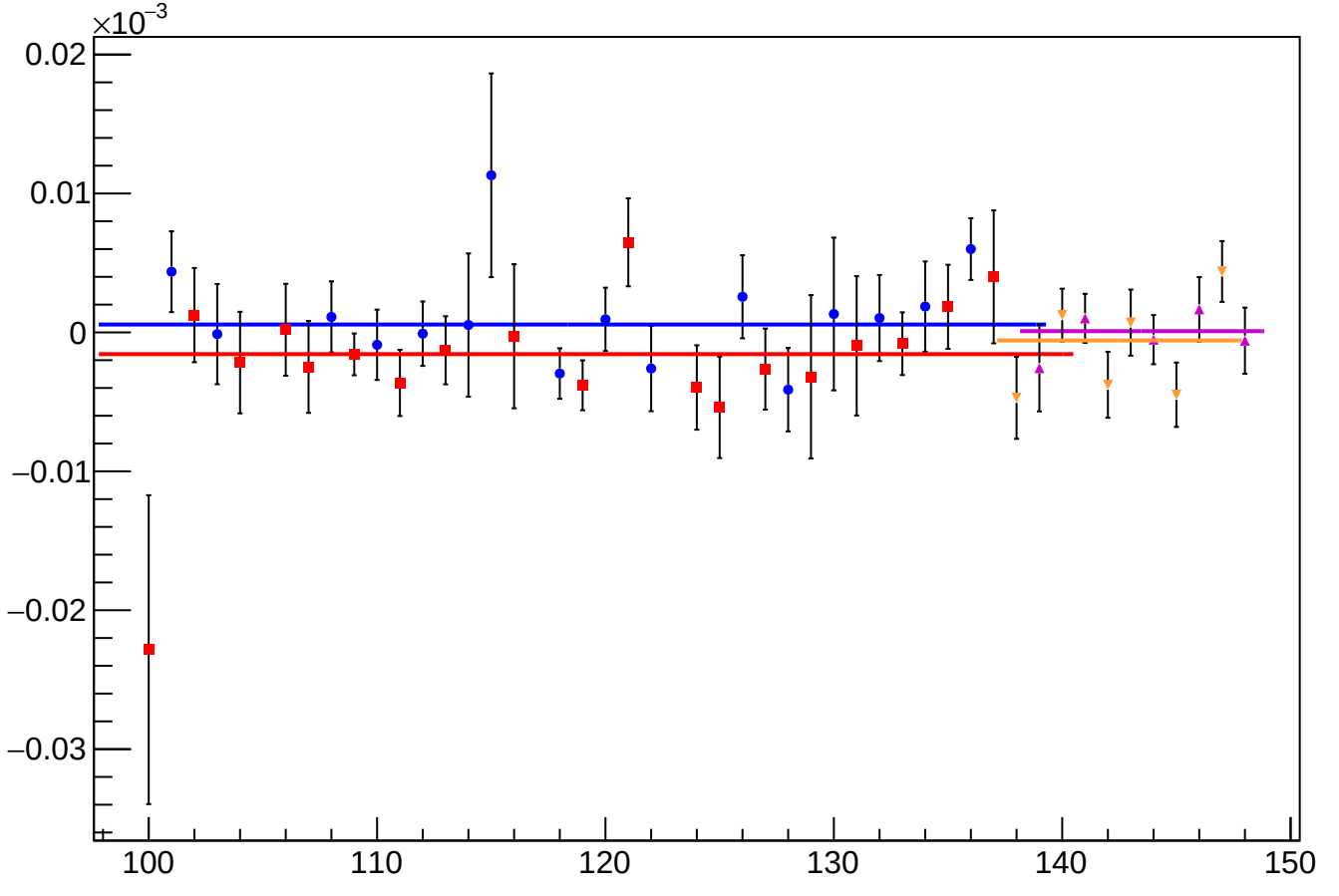
Left: 27.282+/-0.007 χ^2/NDF: 1192259.5/10

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.066+/-0.005 χ^2/NDF:2216994.3/20

Out: 23.075+/-0.005 χ^2/NDF:2353537.0/24

All: 23.070+/-0.004 χ^2/NDF: 4570532.7/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

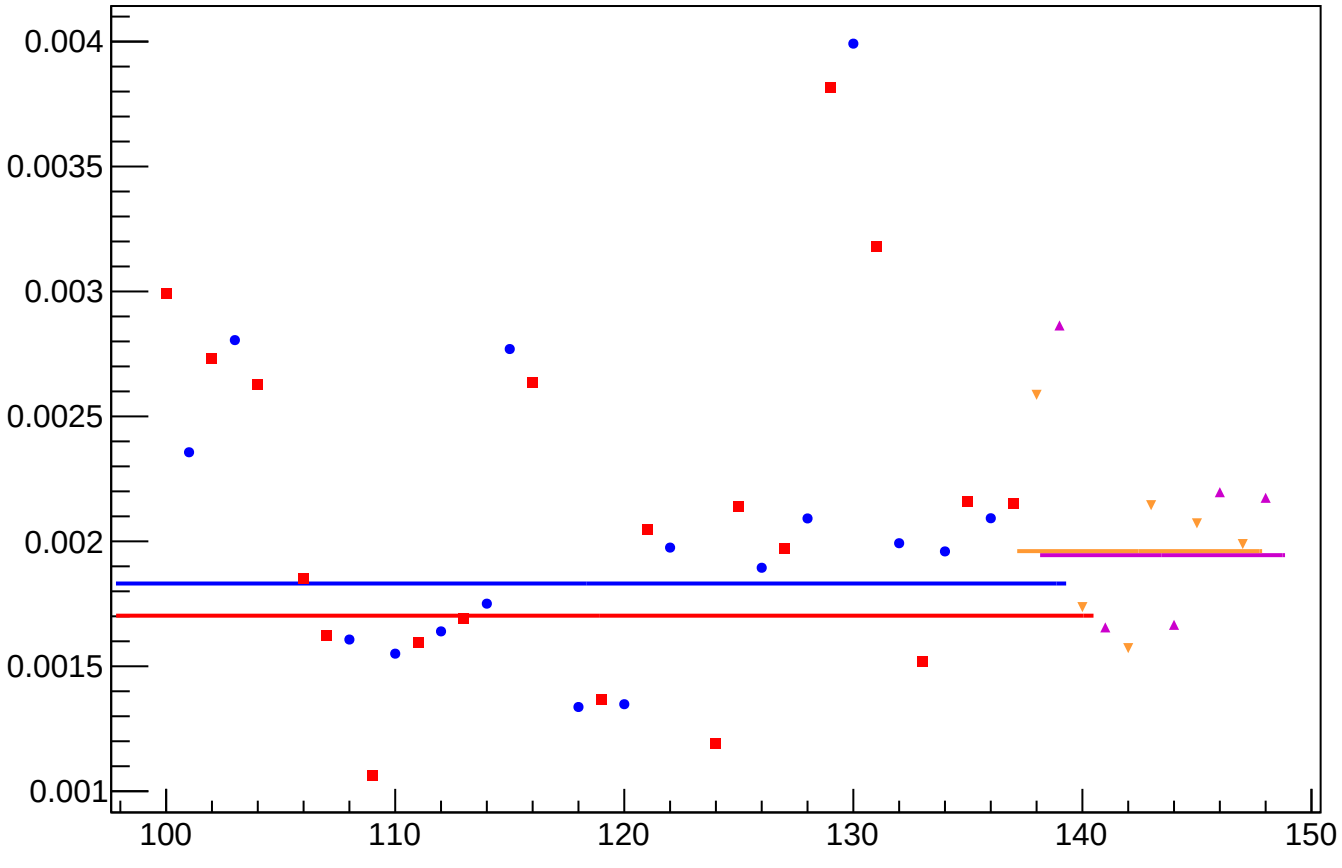
Left: -0.000+/-0.000 χ^2/NDF: 14.9/10

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:20.1/20

Out: -0.000+/-0.000 χ^2/NDF:32.0/24

All: -0.000+/-0.000 χ^2/NDF: 56.5/45



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:188152.3/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:319826.5/4

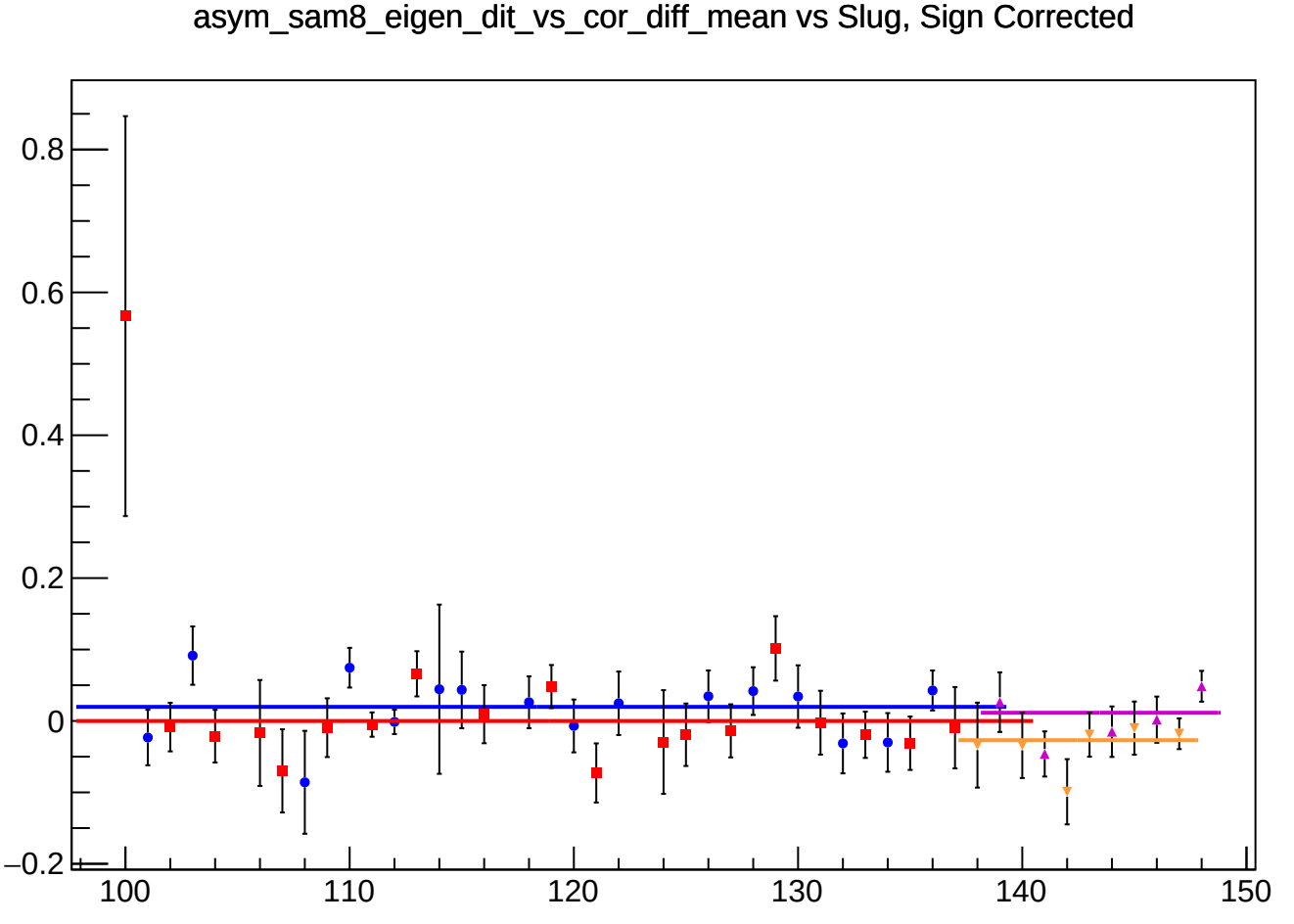
Left: 0.002+/-0.000 χ^2/NDF: 508269.6/10

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1238591.5/20

Out: 0.002+/-0.000 χ^2/NDF:1768056.0/24

All: 0.002+/-0.000 χ^2/NDF: 3029418.4/45



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

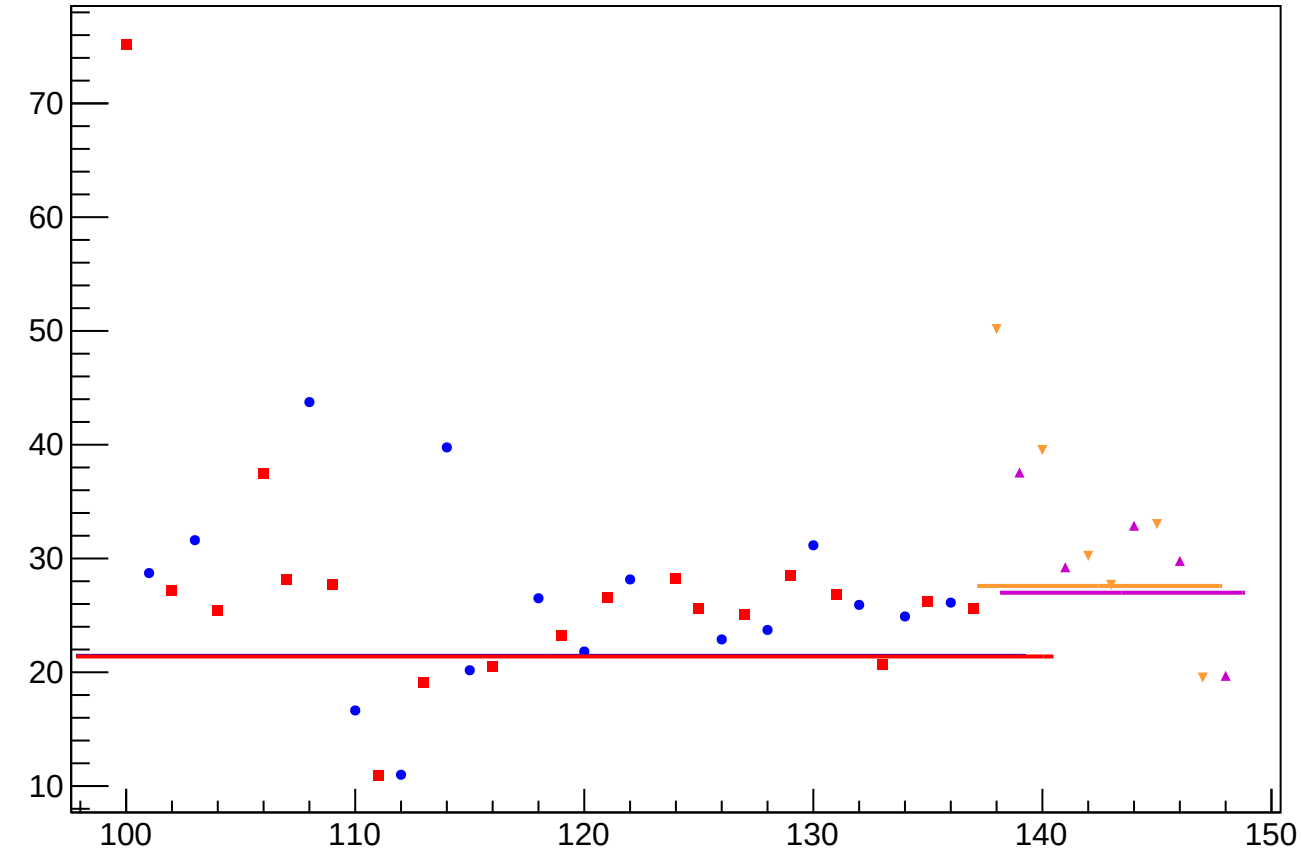
Left: -0.007+/-0.010 χ^2/NDF: 14.0/10

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.017+/-0.007 χ^2/NDF:24.4/20

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.005+/-0.005 χ^2/NDF: 58.6/45



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 27.589+/-0.010 χ^2/NDF:752844.8/5

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 26.994+/-0.010 χ^2/NDF:437526.9/4

Left: 27.282+/-0.007 χ^2/NDF: 1192250.8/10

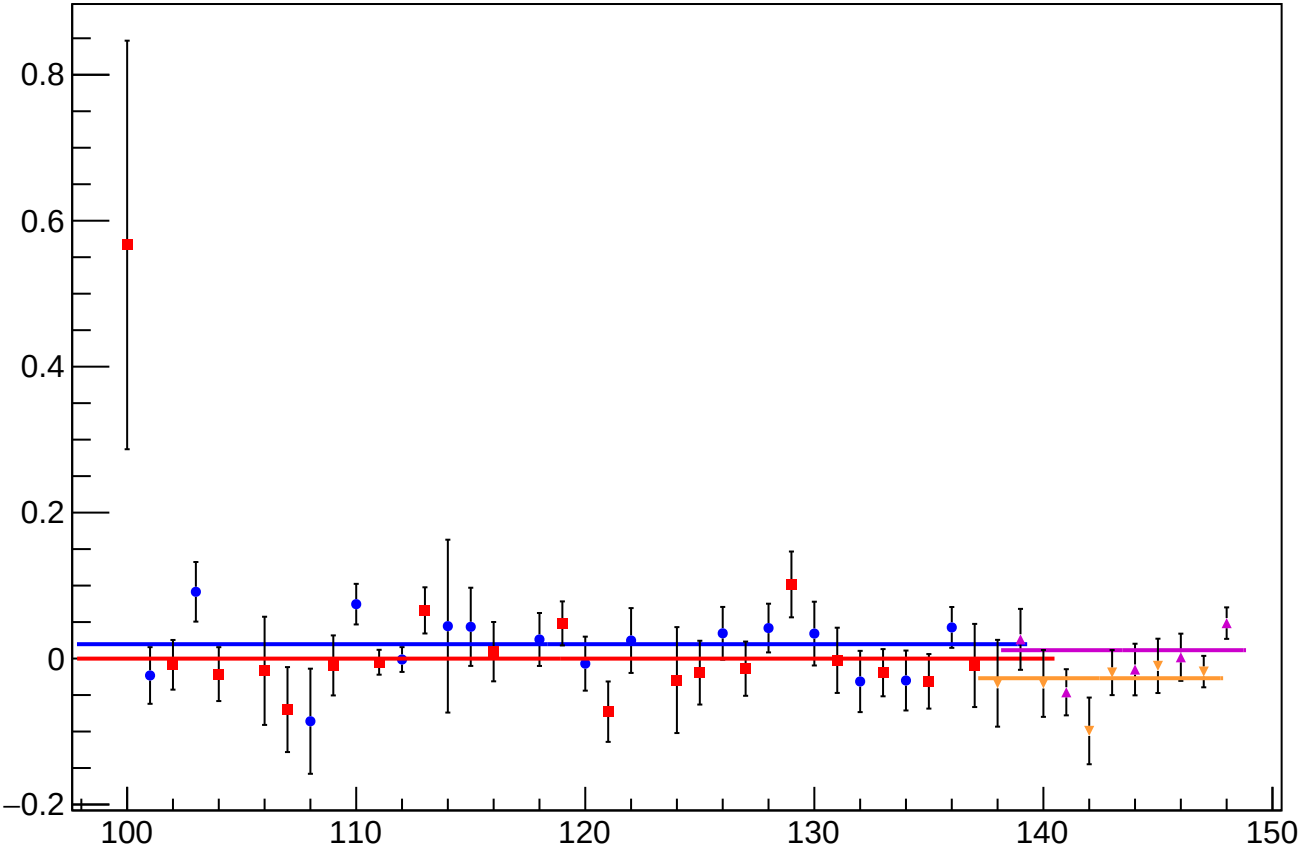
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.066+/-0.005 χ^2/NDF:2217215.3/20

Out: 23.074+/-0.005 χ^2/NDF:2353738.2/24

All: 23.070+/-0.004 χ^2/NDF: 4570955.0/45

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: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

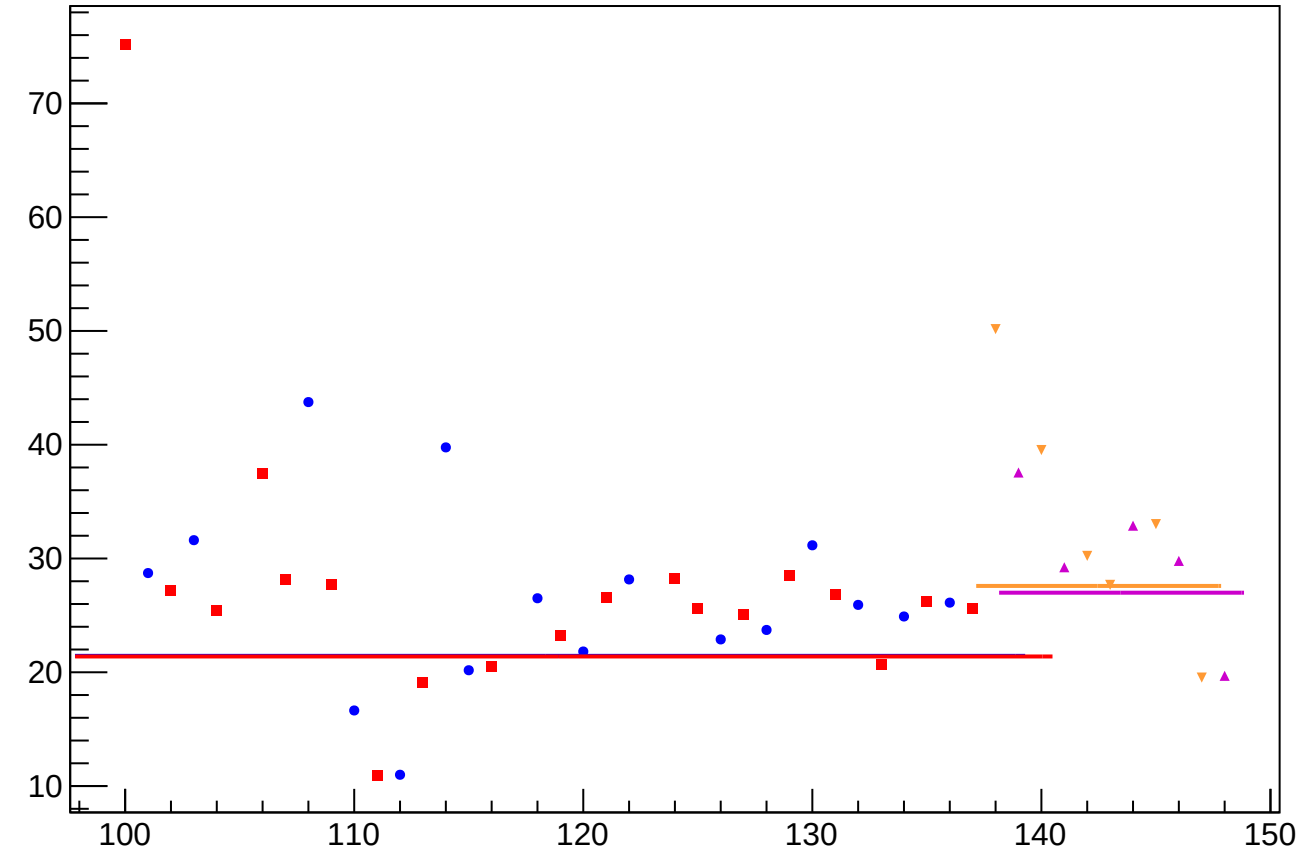
Left: -0.007+/-0.010 χ^2/NDF: 14.0/10

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.017+/-0.007 χ^2/NDF:24.4/20

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.005+/-0.005 χ^2/NDF: 58.6/45



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 27.589+/-0.010 χ^2/NDF:752844.8/5

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 26.994+/-0.010 χ^2/NDF:437526.9/4

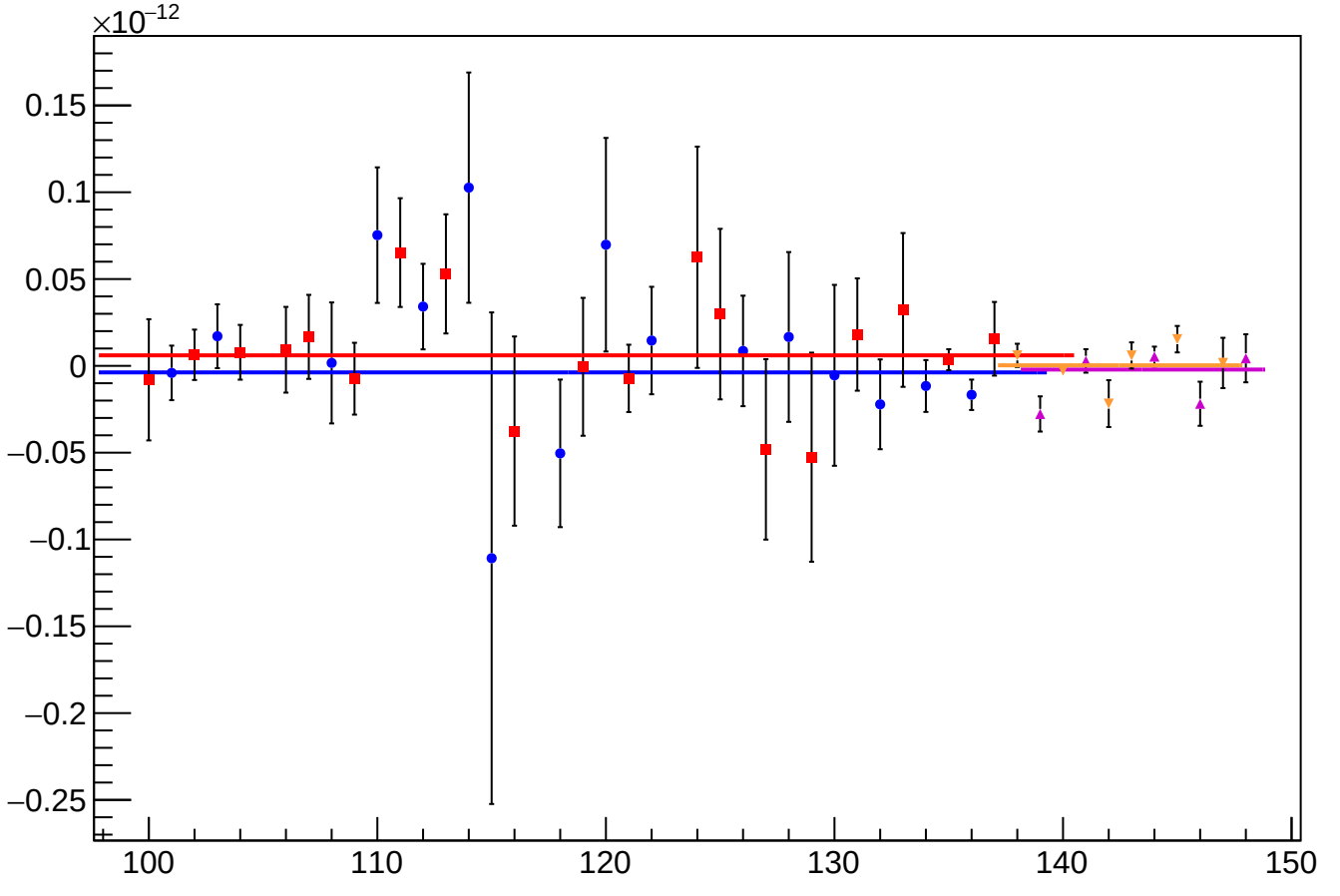
Left: 27.282+/-0.007 χ^2/NDF: 1192250.8/10

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.066+/-0.005 χ^2/NDF:2217215.3/20

Out: 23.074+/-0.005 χ^2/NDF:2353738.2/24

All: 23.070+/-0.004 χ^2/NDF: 4570955.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/4

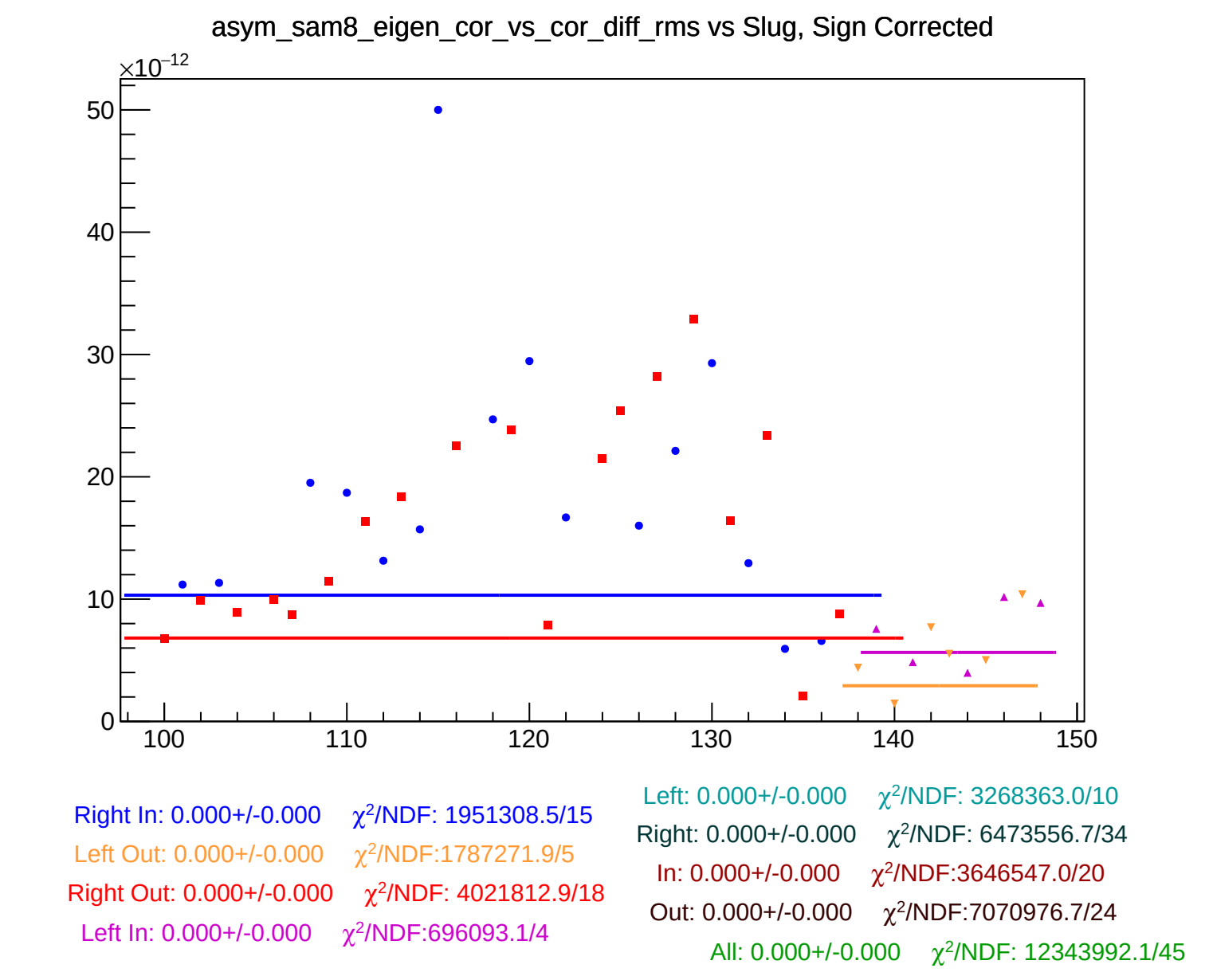
Left: -0.000+/-0.000 χ^2/NDF: 20.6/10

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

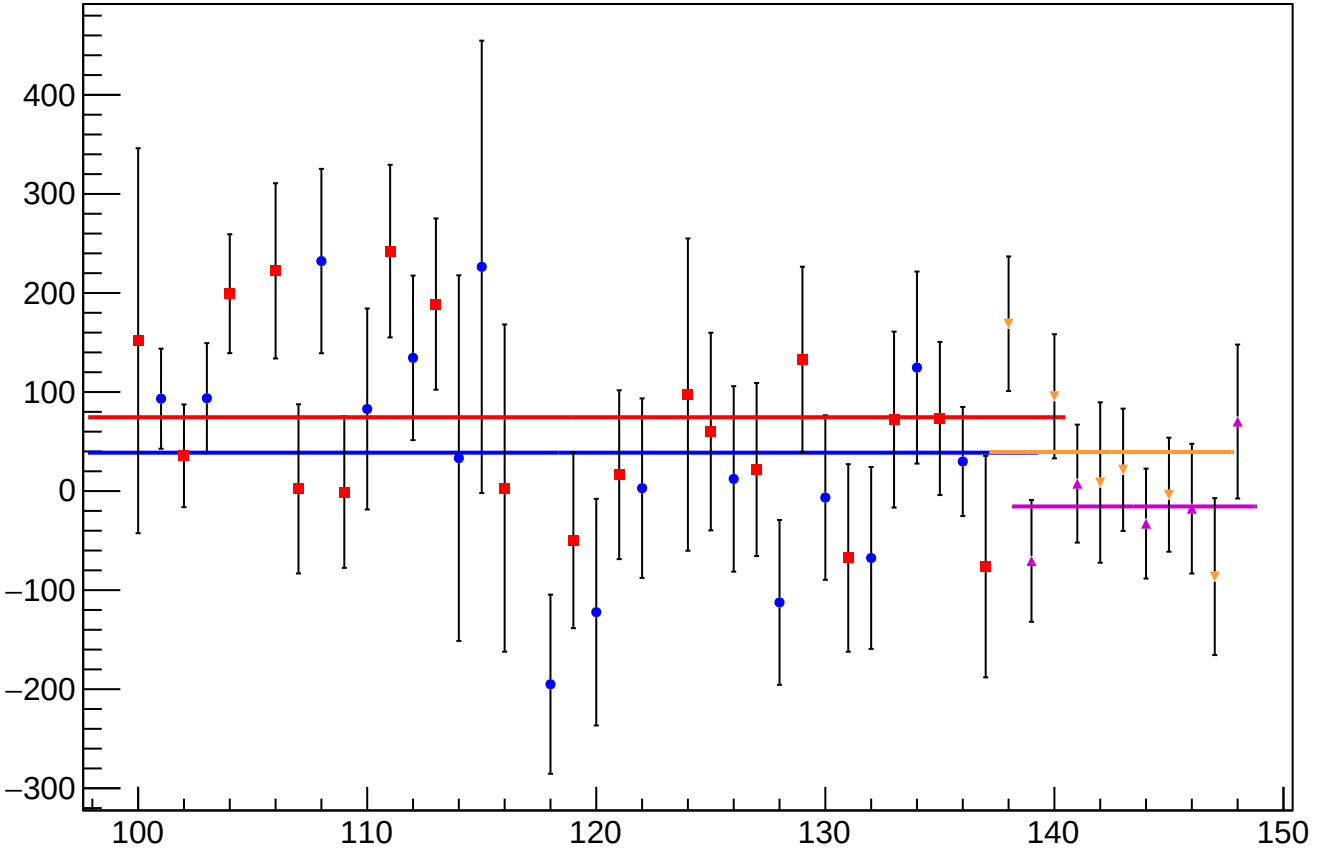
In: -0.000+/-0.000 χ^2/NDF:28.5/20

Out: 0.000+/-0.000 χ^2/NDF:21.7/24

All: 0.000+/-0.000 χ^2/NDF: 51.5/45


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1787271.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:696093.1/4
Left: 0.000+/-0.000 χ²/NDF: 3268363.0/10
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3646547.0/20
Out: 0.000+/-0.000 χ²/NDF:7070976.7/24
All: 0.000+/-0.000 χ²/NDF: 12343992.1/45

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.436+/-27.240 χ^2/NDF:7.8/5

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -15.515+/-28.056 χ^2/NDF:2.3/4

Left: 12.771+/-19.544 χ^2/NDF: 12.0/10

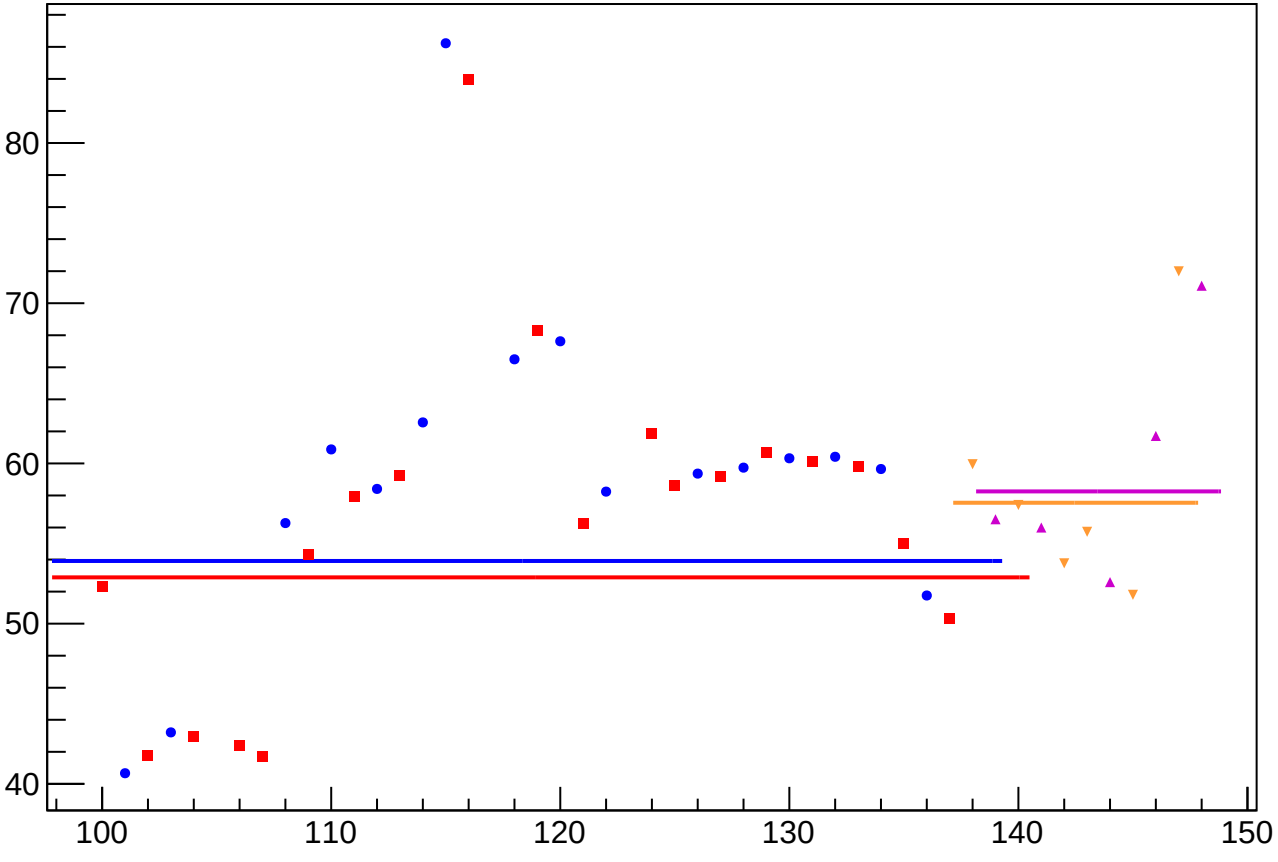
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 19.988+/-16.506 χ^2/NDF:28.0/20

Out: 62.429+/-16.017 χ^2/NDF:31.3/24

All: 41.847+/-11.495 χ^2/NDF: 62.7/45

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

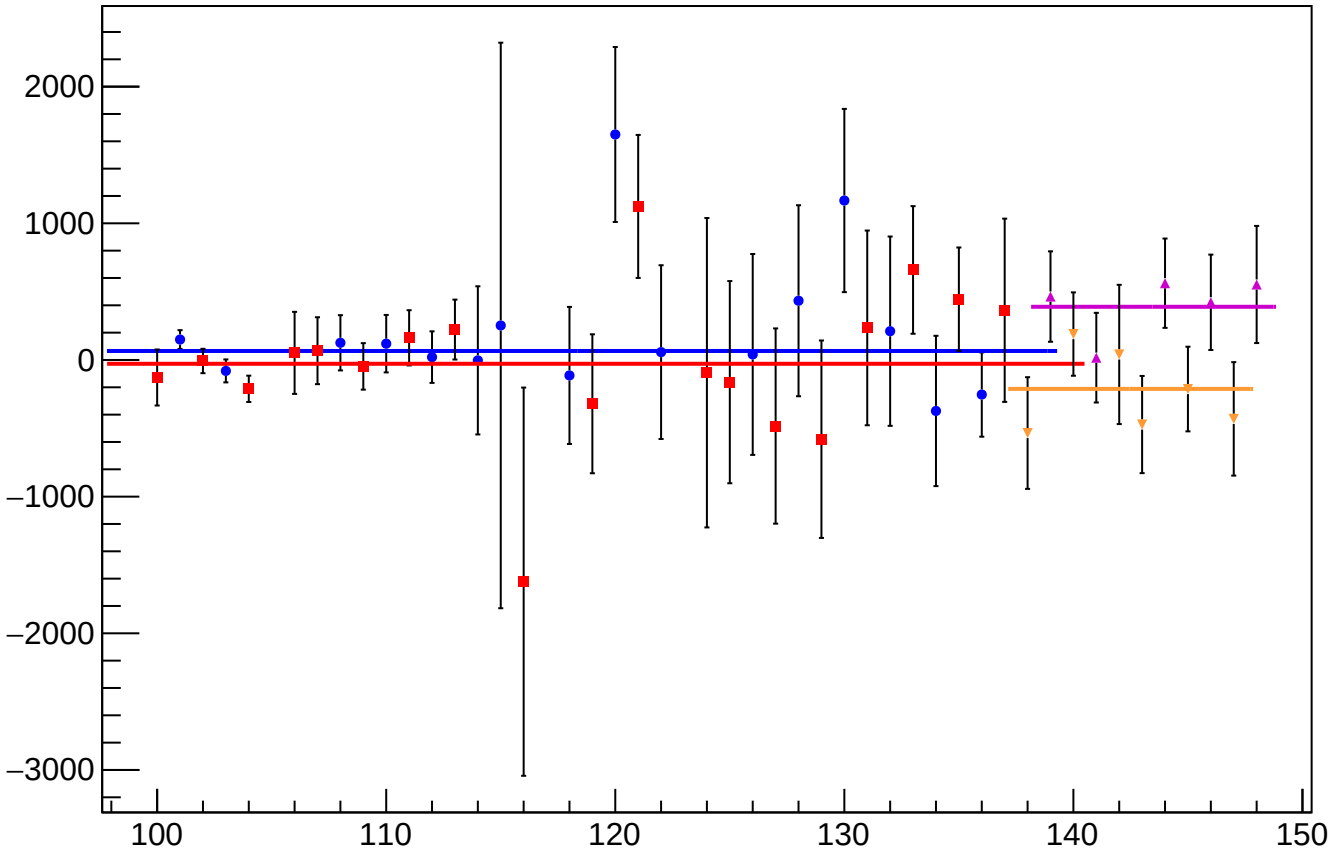
Left: 57.890+/-0.014 χ^2/NDF: 181141.2/10

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 55.415+/-0.012 χ^2/NDF:510064.0/20

Out: 54.499+/-0.011 χ^2/NDF:558476.4/24

All: 54.943+/-0.008 χ^2/NDF: 1071712.9/45



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -211.559+/-149.526 χ^2/NDF:3.4/5

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 389.211+/-155.313 χ^2/NDF:1.8/4

Left: 77.425+/-107.719 χ^2/NDF: 13.0/10

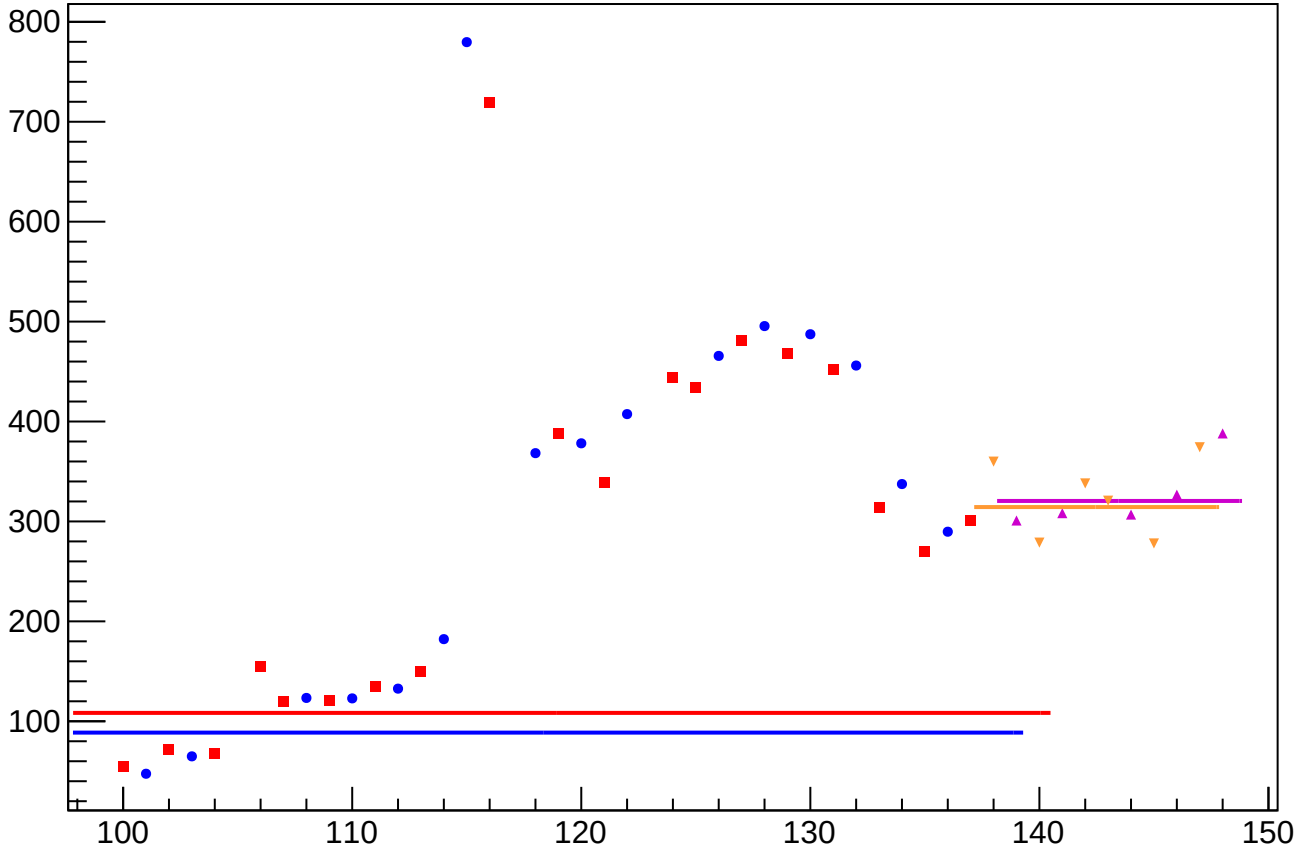
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 92.431+/-44.527 χ^2/NDF:21.5/20

Out: -46.520+/-47.667 χ^2/NDF:22.8/24

All: 27.683+/-32.539 χ^2/NDF: 48.8/45

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 314.372+/-0.106 χ^2/NDF:126165.9/5

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 320.494+/-0.110 χ^2/NDF:63632.0/4

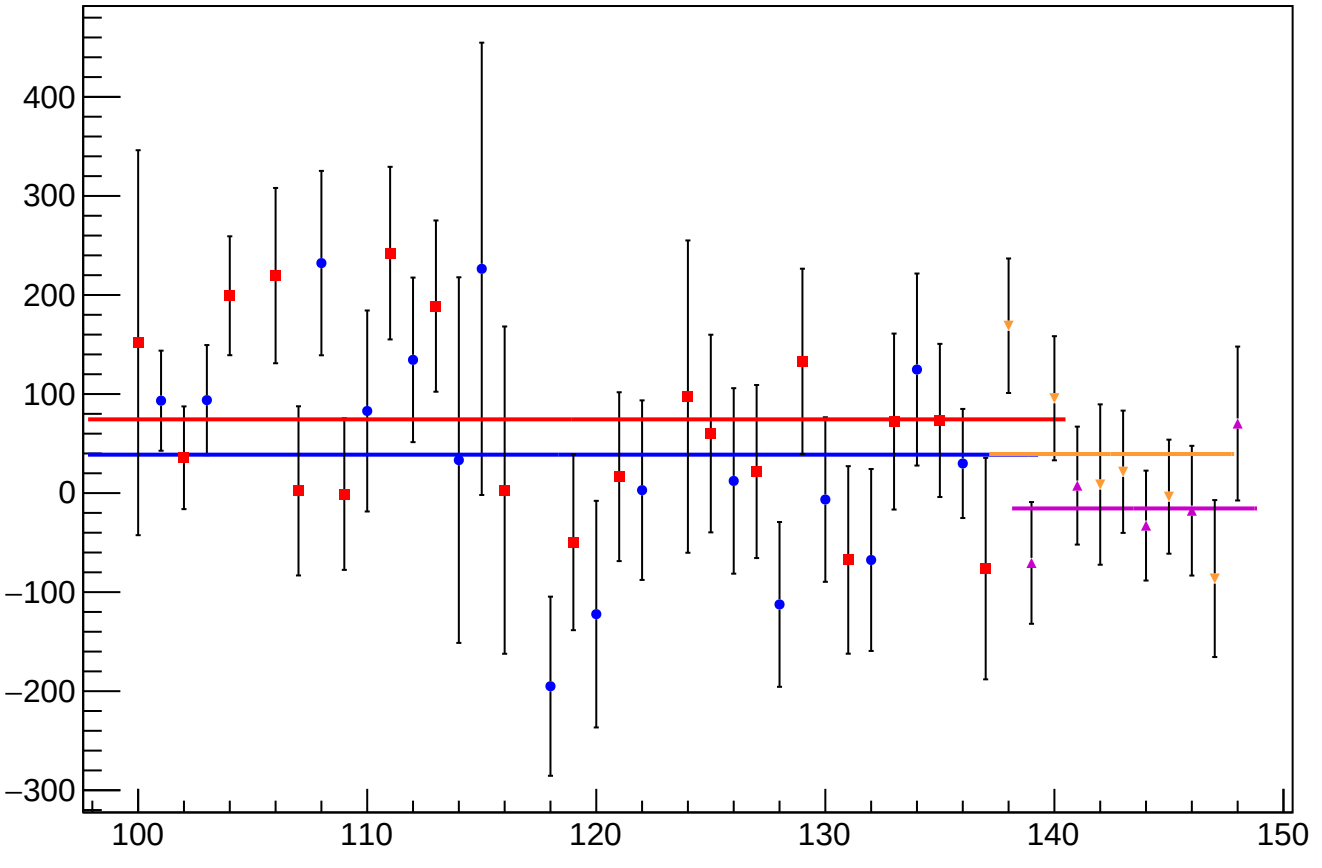
Left: 317.317+/-0.076 χ^2/NDF: 191410.9/10

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 107.713+/-0.031 χ^2/NDF:10801727.4/20

Out: 129.319+/-0.034 χ^2/NDF:8898818.3/24

All: 117.781+/-0.023 χ^2/NDF: 19919968.8/45



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.442+/-27.240 χ^2/NDF:7.8/5

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -15.511+/-28.056 χ^2/NDF:2.3/4

Left: 12.776+/-19.544 χ^2/NDF: 12.0/10

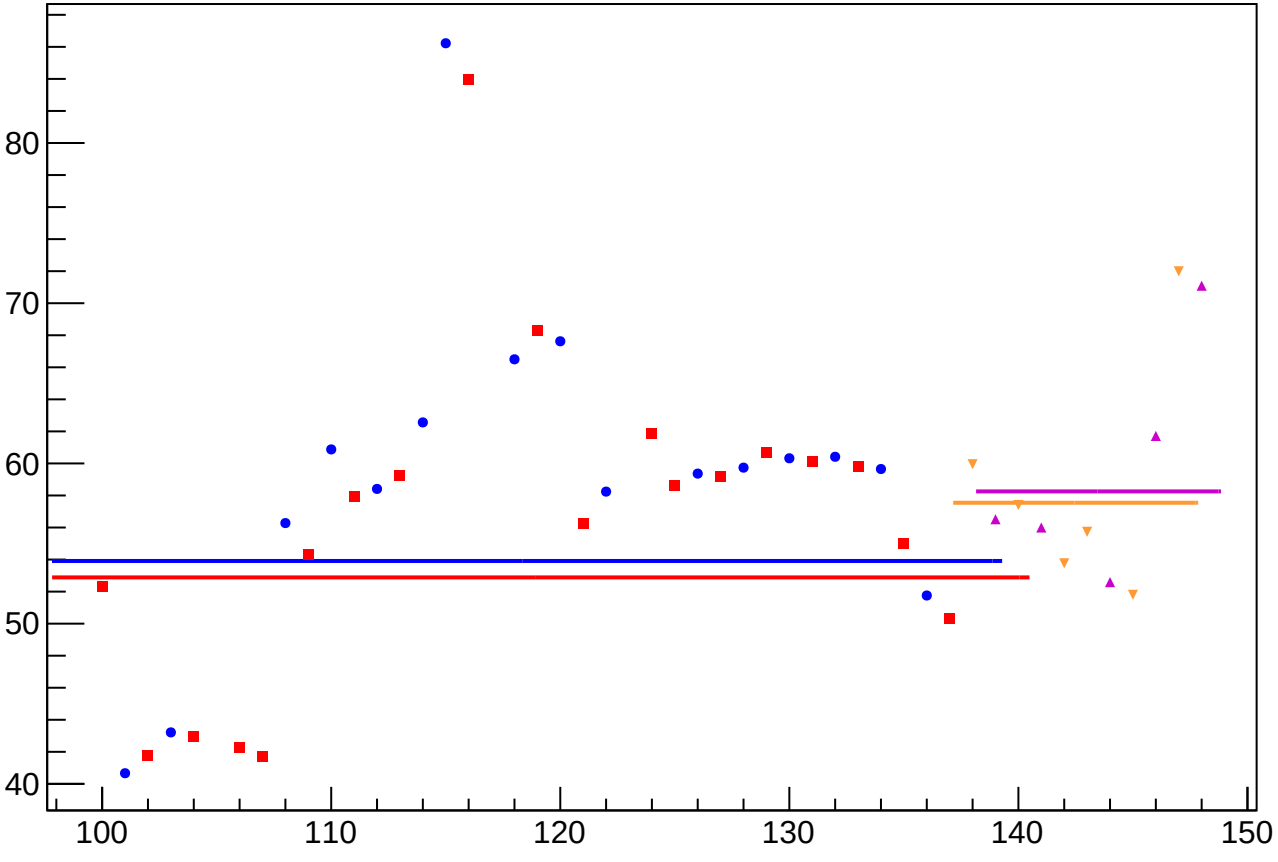
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 19.997+/-16.506 χ^2/NDF:28.0/20

Out: 62.341+/-16.018 χ^2/NDF:31.2/24

All: 41.805+/-11.495 χ^2/NDF: 62.6/45

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

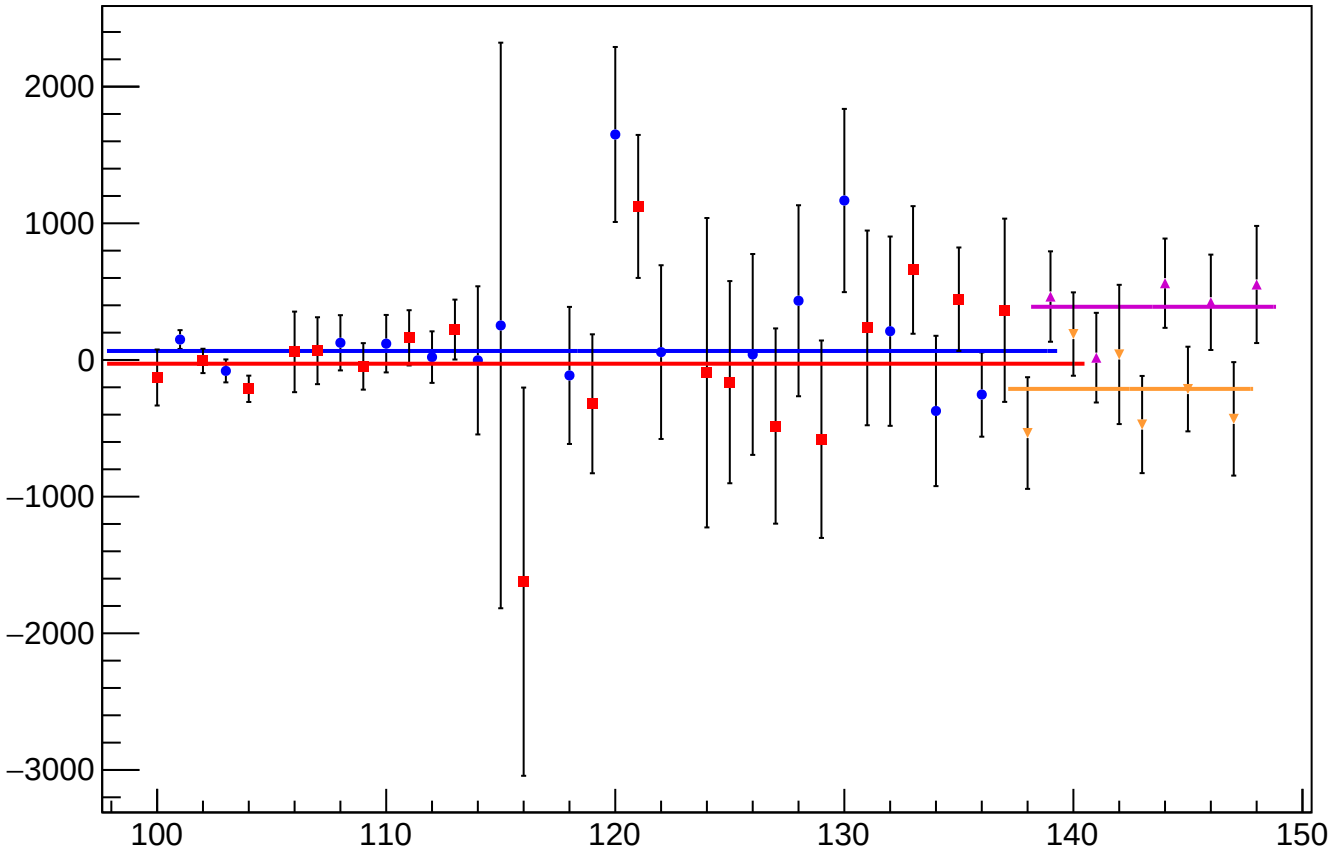
Left: 57.890+/-0.014 χ^2/NDF: 181141.3/10

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 55.415+/-0.012 χ^2/NDF:510063.3/20

Out: 54.498+/-0.011 χ^2/NDF:558818.9/24

All: 54.943+/-0.008 χ^2/NDF: 1072063.7/45



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 389.212+/-155.313 χ^2/NDF:1.8/4

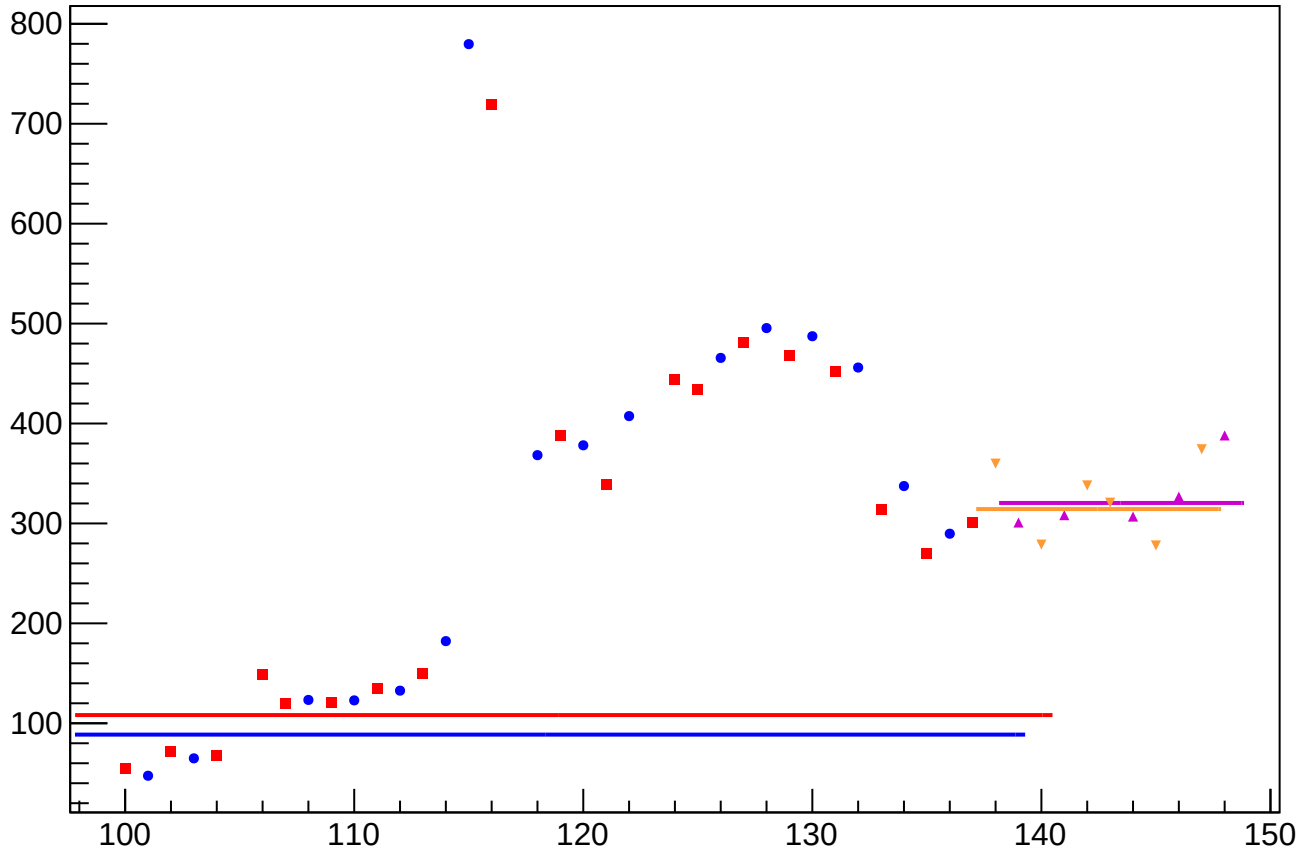
Left: 77.427+/-107.719 χ^2/NDF: 13.0/10

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 92.433+/-44.527 χ^2/NDF:21.5/20

Out: -46.092+/-47.631 χ^2/NDF:22.8/24

All: 27.832+/-32.527 χ^2/NDF: 48.8/45



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.371+/-0.106 χ^2/NDF:126166.4/5

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

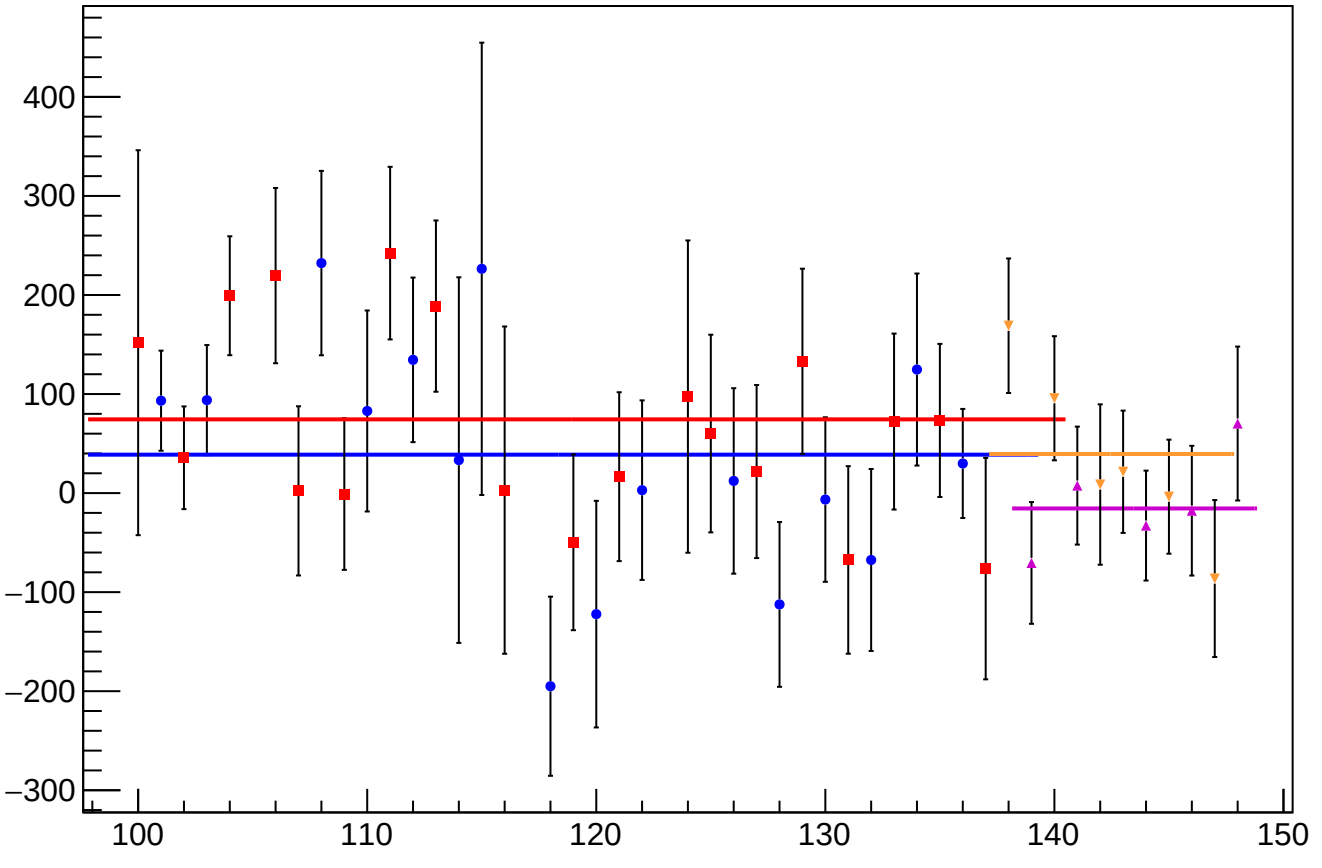
Left: 317.317+/-0.076 χ^2/NDF: 191411.9/10

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 107.710+/-0.031 χ^2/NDF:10801910.8/20

Out: 129.127+/-0.034 χ^2/NDF:8897344.4/24

All: 117.698+/-0.023 χ^2/NDF: 19915029.5/45



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.442+/-27.240 χ^2/NDF:7.8/5

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -15.511+/-28.056 χ^2/NDF:2.3/4

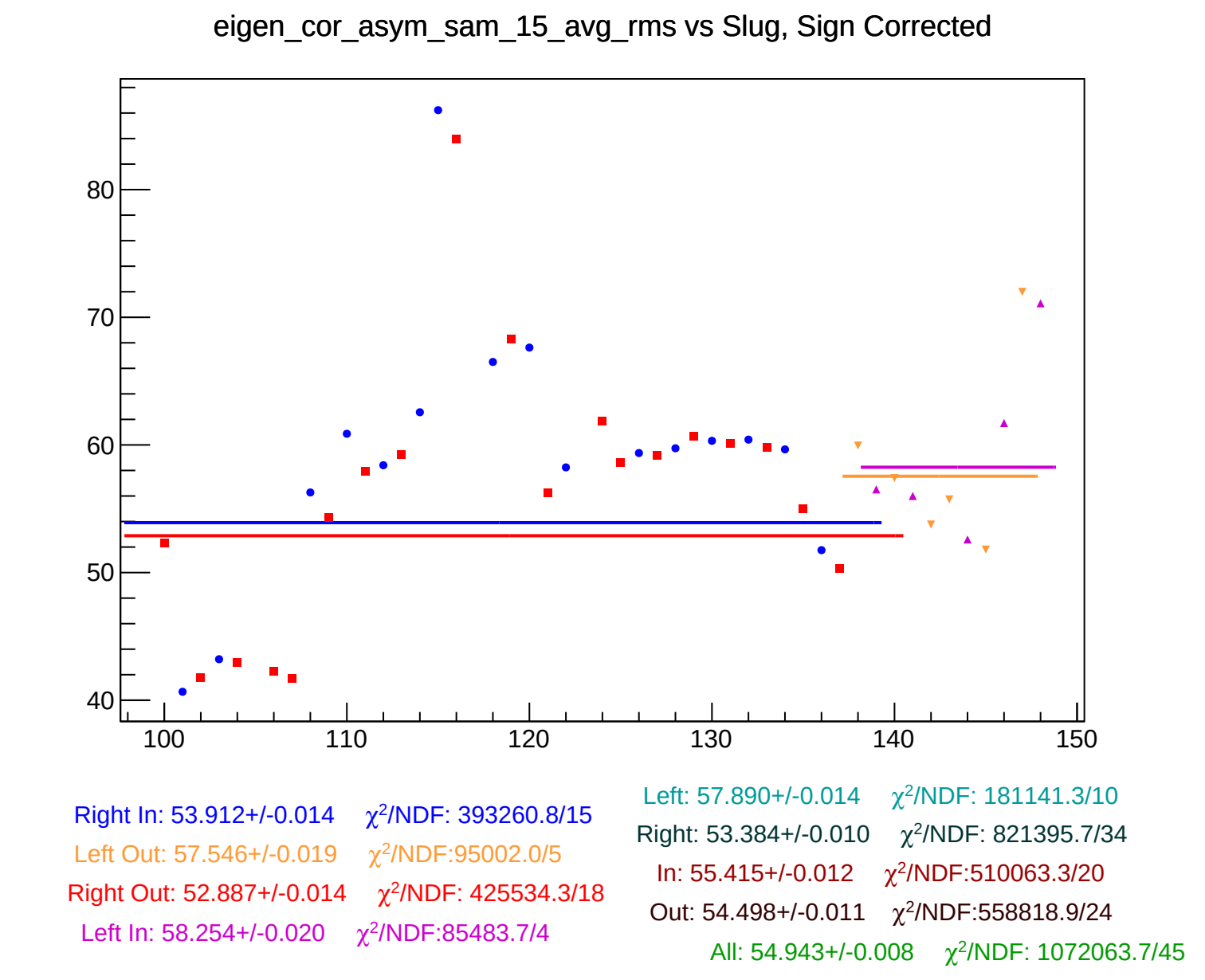
Left: 12.776+/-19.544 χ^2/NDF: 12.0/10

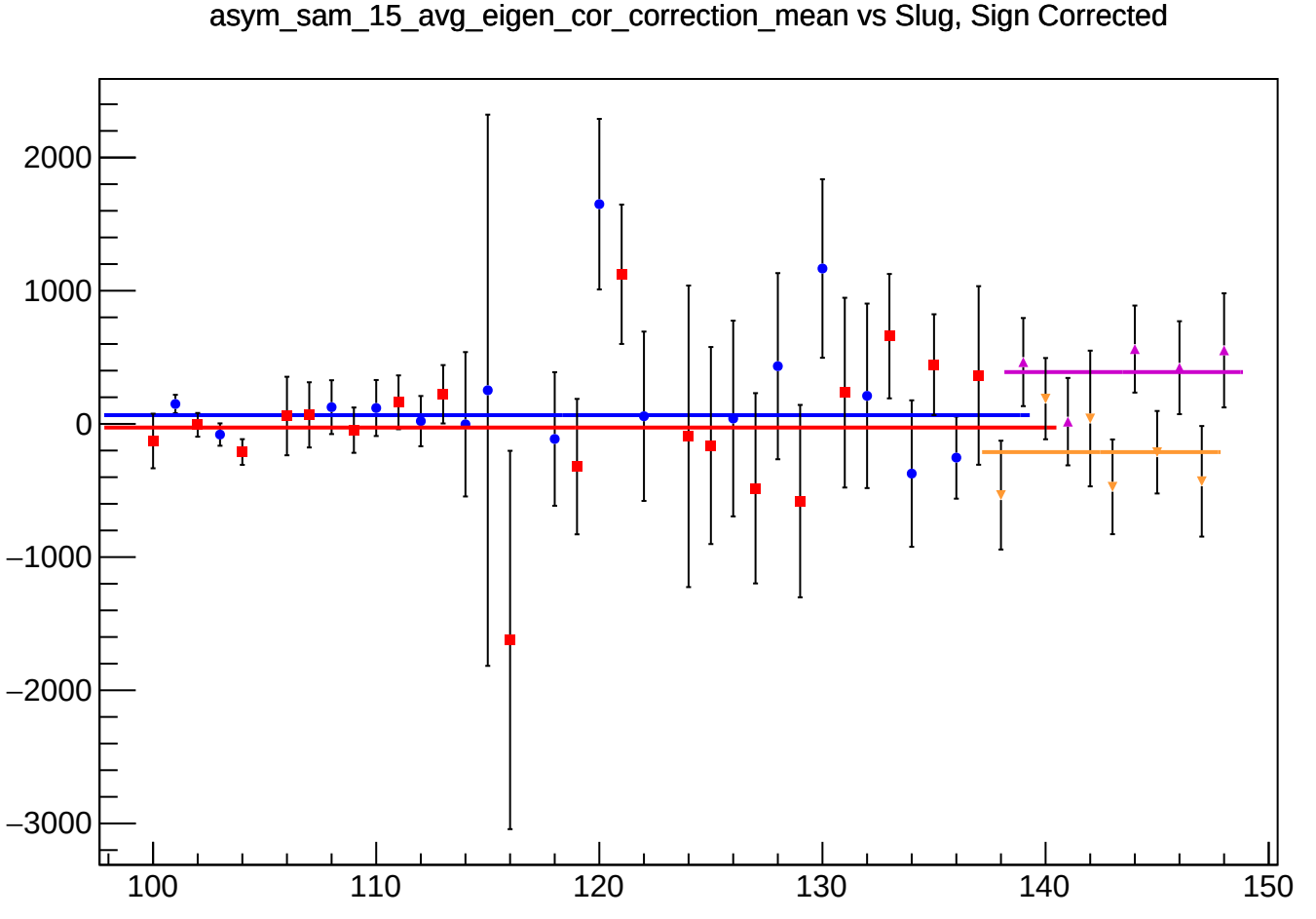
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 19.997+/-16.506 χ^2/NDF:28.0/20

Out: 62.341+/-16.018 χ^2/NDF:31.2/24

All: 41.805+/-11.495 χ^2/NDF: 62.6/45


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 57.546+/-0.019 χ²/NDF:95002.0/5
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 58.254+/-0.020 χ²/NDF:85483.7/4
Left: 57.890+/-0.014 χ²/NDF: 181141.3/10
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 55.415+/-0.012 χ²/NDF:510063.3/20
Out: 54.498+/-0.011 χ²/NDF:558818.9/24
All: 54.943+/-0.008 χ²/NDF: 1072063.7/45



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 389.212+/-155.313 χ^2/NDF:1.8/4

Left: 77.427+/-107.719 χ^2/NDF: 13.0/10

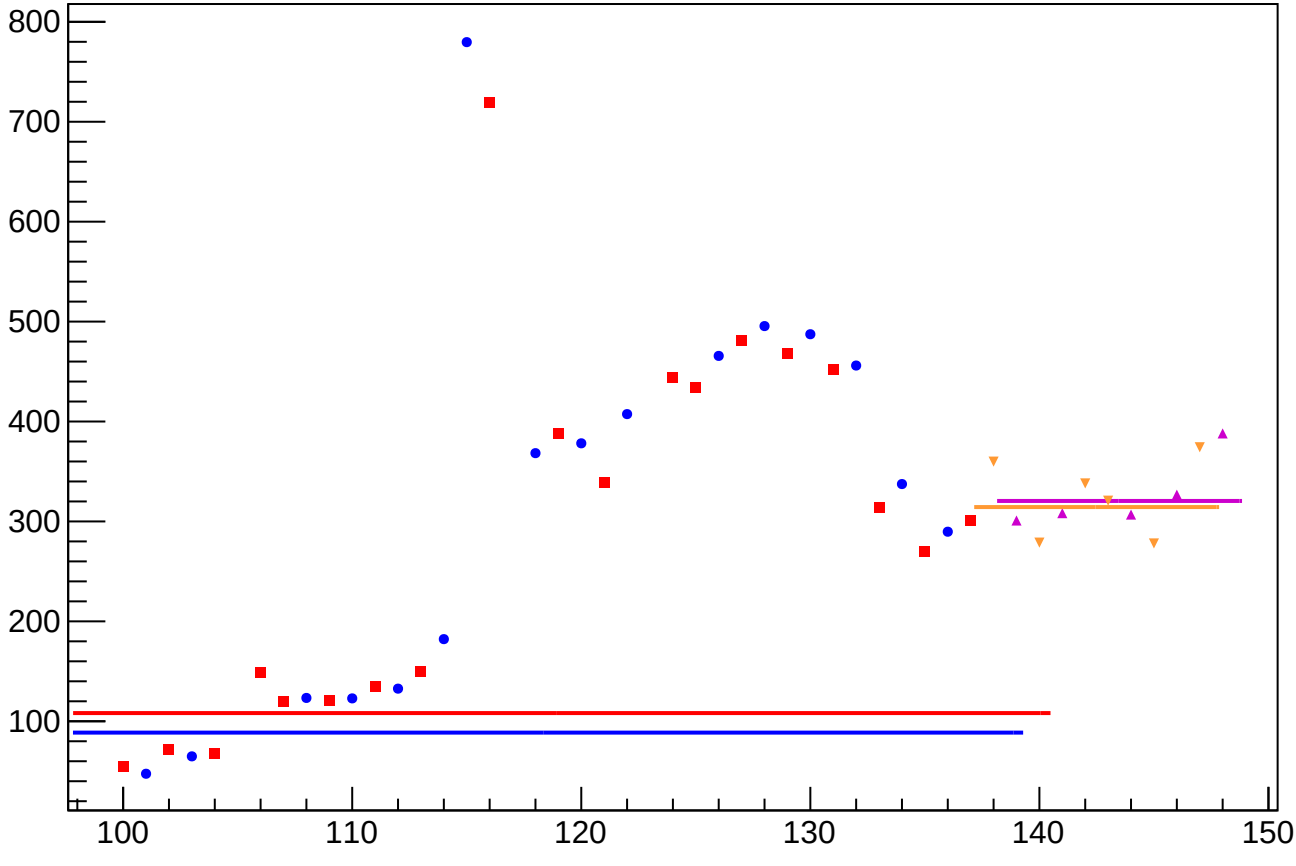
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 92.433+/-44.527 χ^2/NDF:21.5/20

Out: -46.092+/-47.631 χ^2/NDF:22.8/24

All: 27.832+/-32.527 χ^2/NDF: 48.8/45

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.371+/-0.106 χ^2/NDF:126166.4/5

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

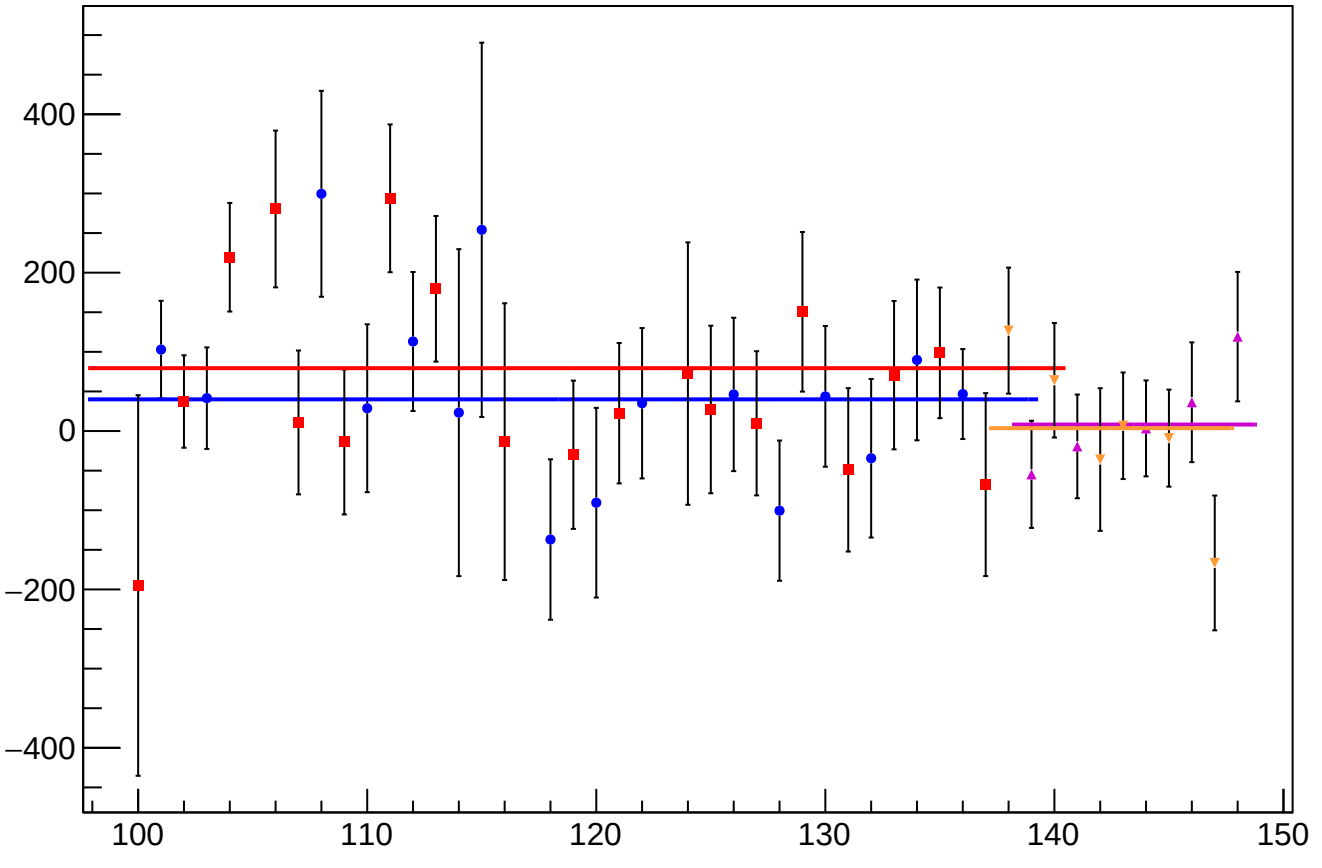
Left: 317.317+/-0.076 χ^2/NDF: 191411.9/10

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 107.710+/-0.031 χ^2/NDF:10801910.8/20

Out: 129.127+/-0.034 χ^2/NDF:8897344.4/24

All: 117.698+/-0.023 χ^2/NDF: 19915029.5/45



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.584+/-30.182 χ^2/NDF:7.3/5

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 8.220+/-30.876 χ^2/NDF:3.0/4

Left: 5.849+/-21.583 χ^2/NDF: 10.4/10

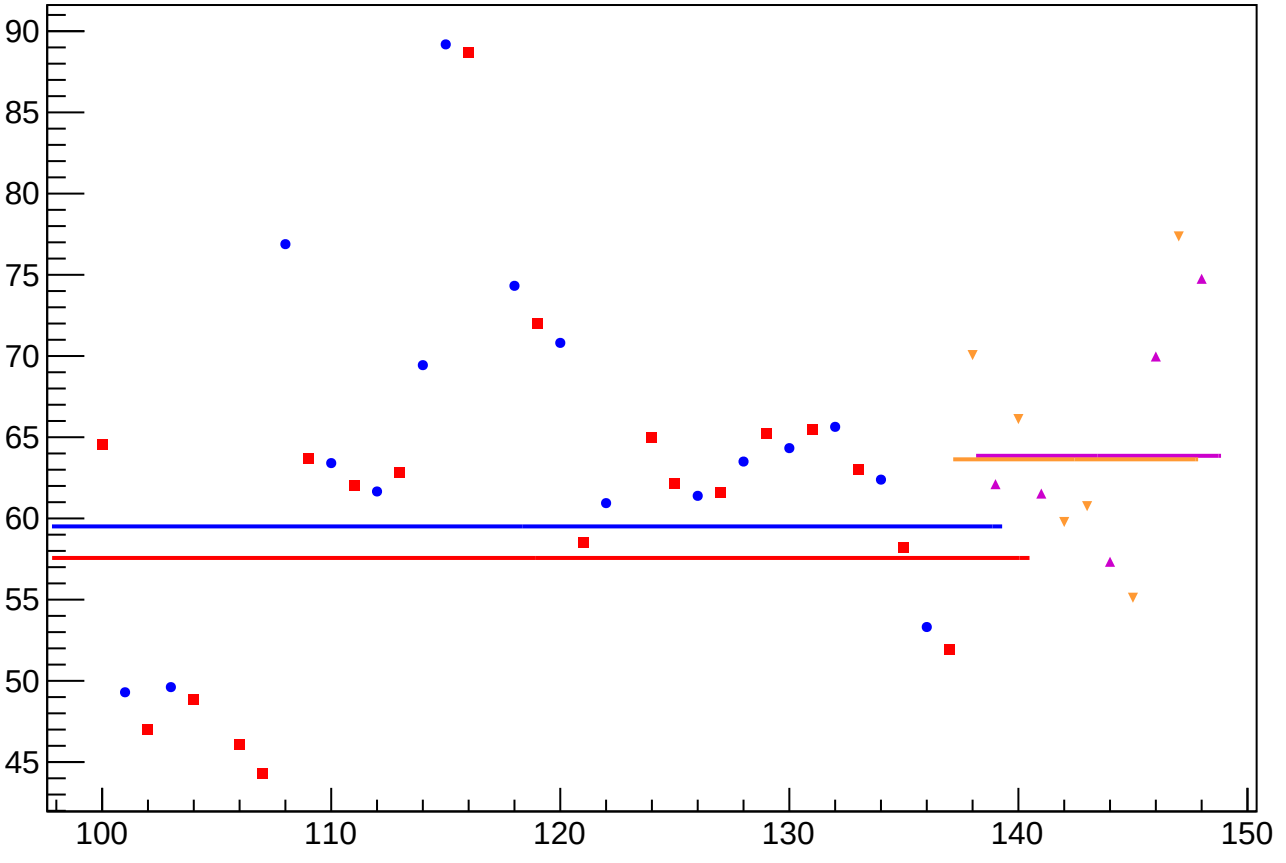
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 28.988+/-18.192 χ^2/NDF:17.9/20

Out: 53.743+/-17.553 χ^2/NDF:36.3/24

All: 41.808+/-12.632 χ^2/NDF: 55.1/45

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.639+/-0.021 χ^2/NDF:113432.4/5

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.856+/-0.022 χ^2/NDF:75693.2/4

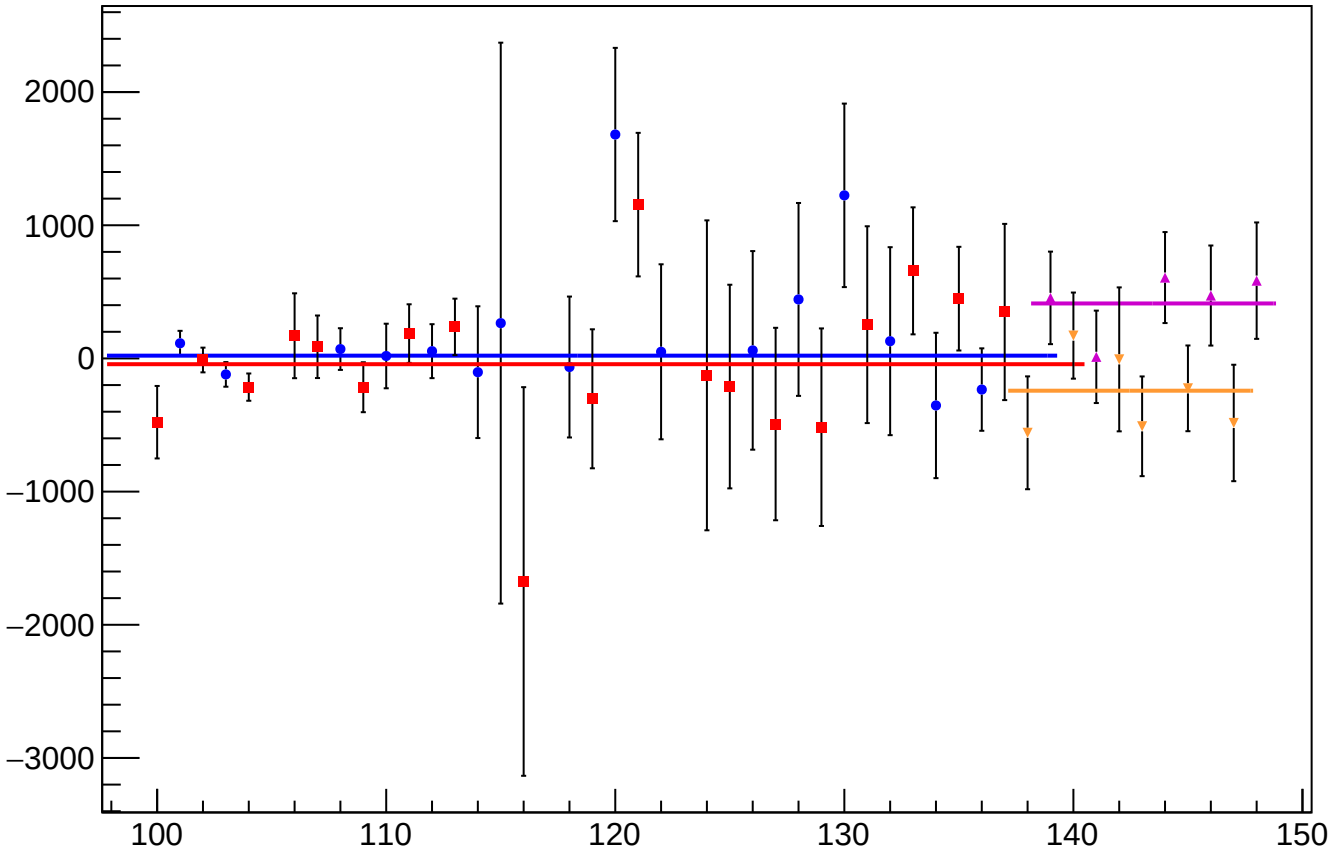
Left: 63.745+/-0.015 χ^2/NDF: 189176.2/10

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.018+/-0.013 χ^2/NDF:384767.1/20

Out: 59.620+/-0.012 χ^2/NDF:514377.2/24

All: 60.294+/-0.009 χ^2/NDF: 905254.6/45



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.977 χ^2/NDF:3.2/5

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 412.821+/-163.348 χ^2/NDF:1.9/4

Left: 72.232+/-113.185 χ^2/NDF: 13.4/10

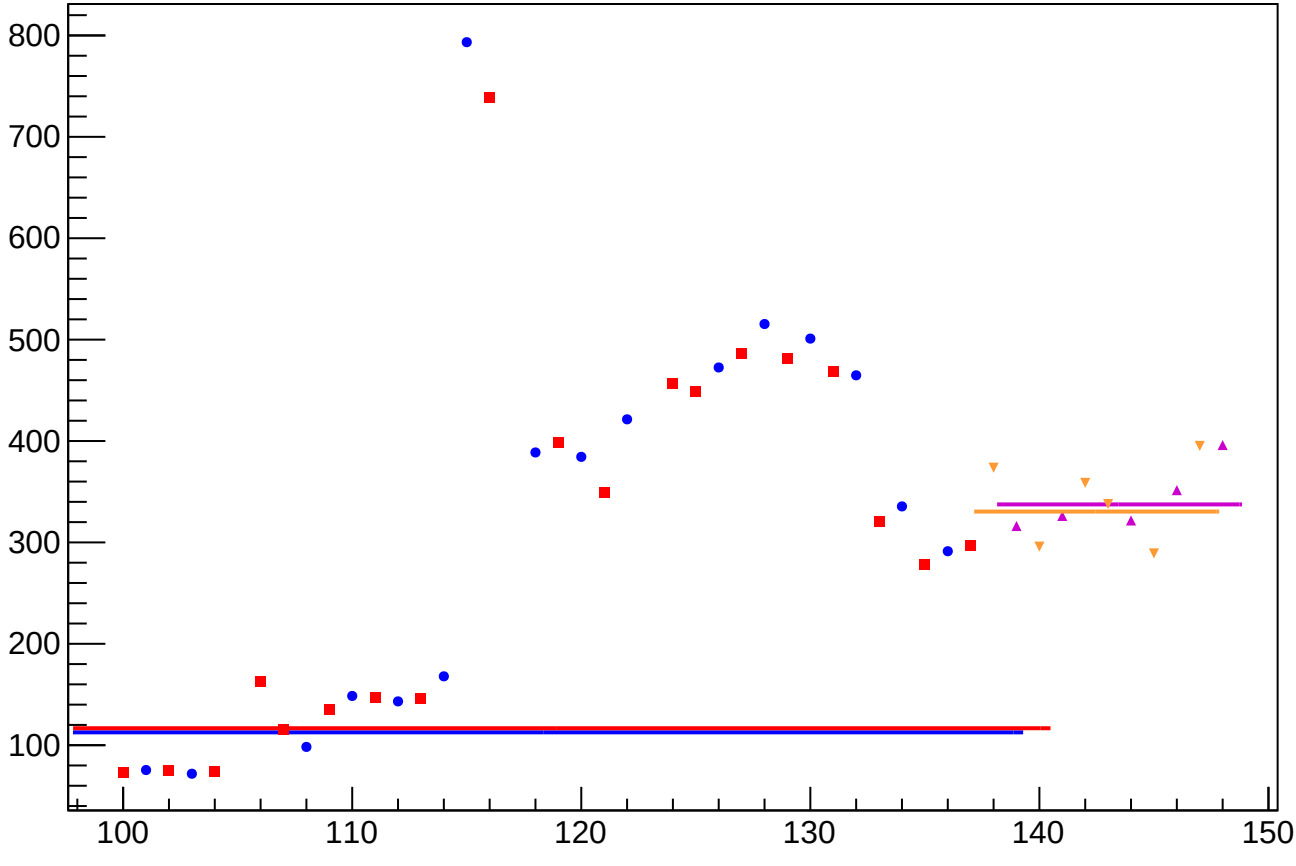
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 58.924+/-50.916 χ^2/NDF:21.7/20

Out: -63.775+/-50.394 χ^2/NDF:26.2/24

All: -3.058+/-35.817 χ^2/NDF: 50.8/45

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: 330.432+/-0.111 χ^2/NDF:126789.1/5

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 337.488+/-0.116 χ^2/NDF:52647.8/4

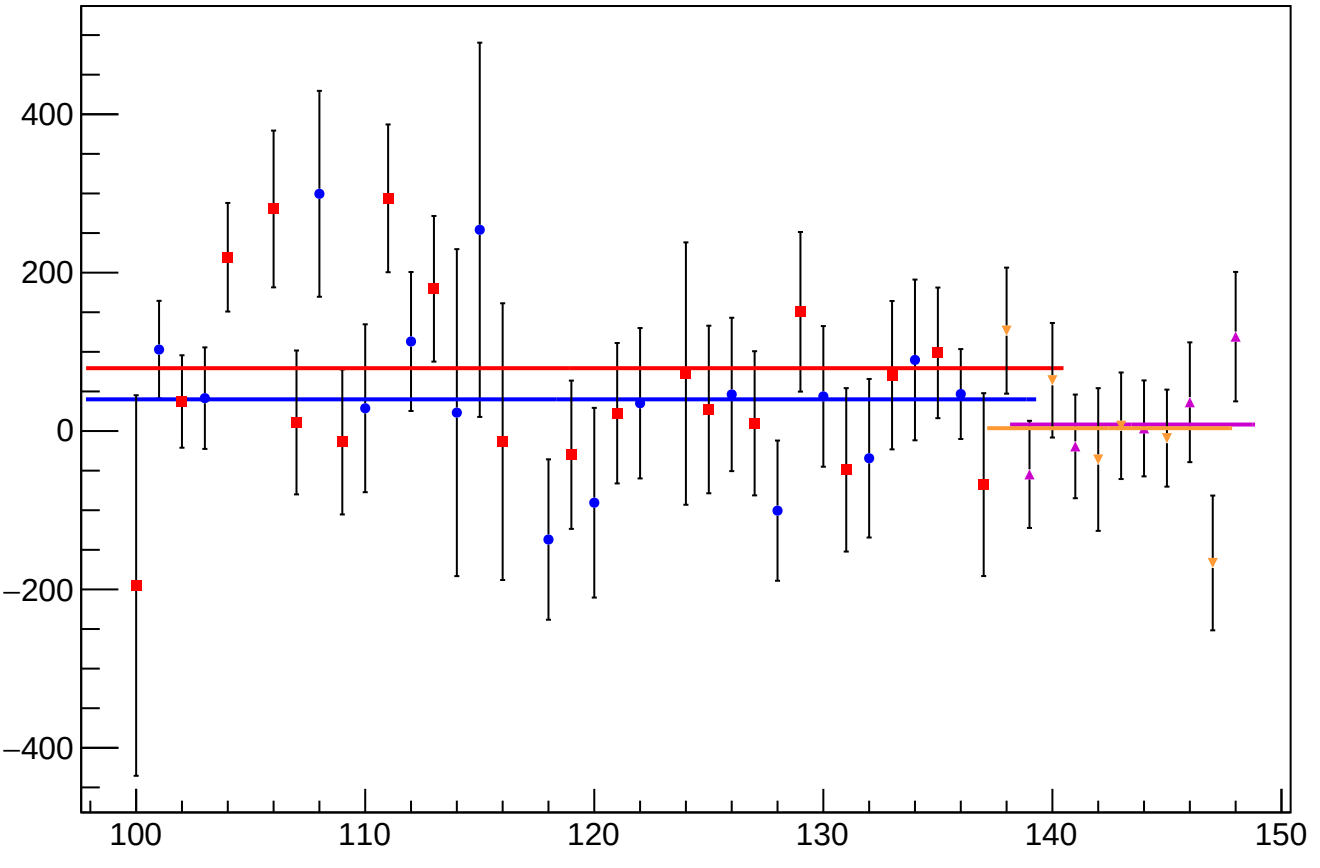
Left: 333.820+/-0.080 χ^2/NDF: 181376.9/10

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 134.511+/-0.036 χ^2/NDF:9072775.6/20

Out: 138.756+/-0.036 χ^2/NDF:8592688.0/24

All: 136.655+/-0.025 χ^2/NDF: 17672486.6/45



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.585+/-30.182 χ^2/NDF:7.3/5

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 8.221+/-30.877 χ^2/NDF:3.0/4

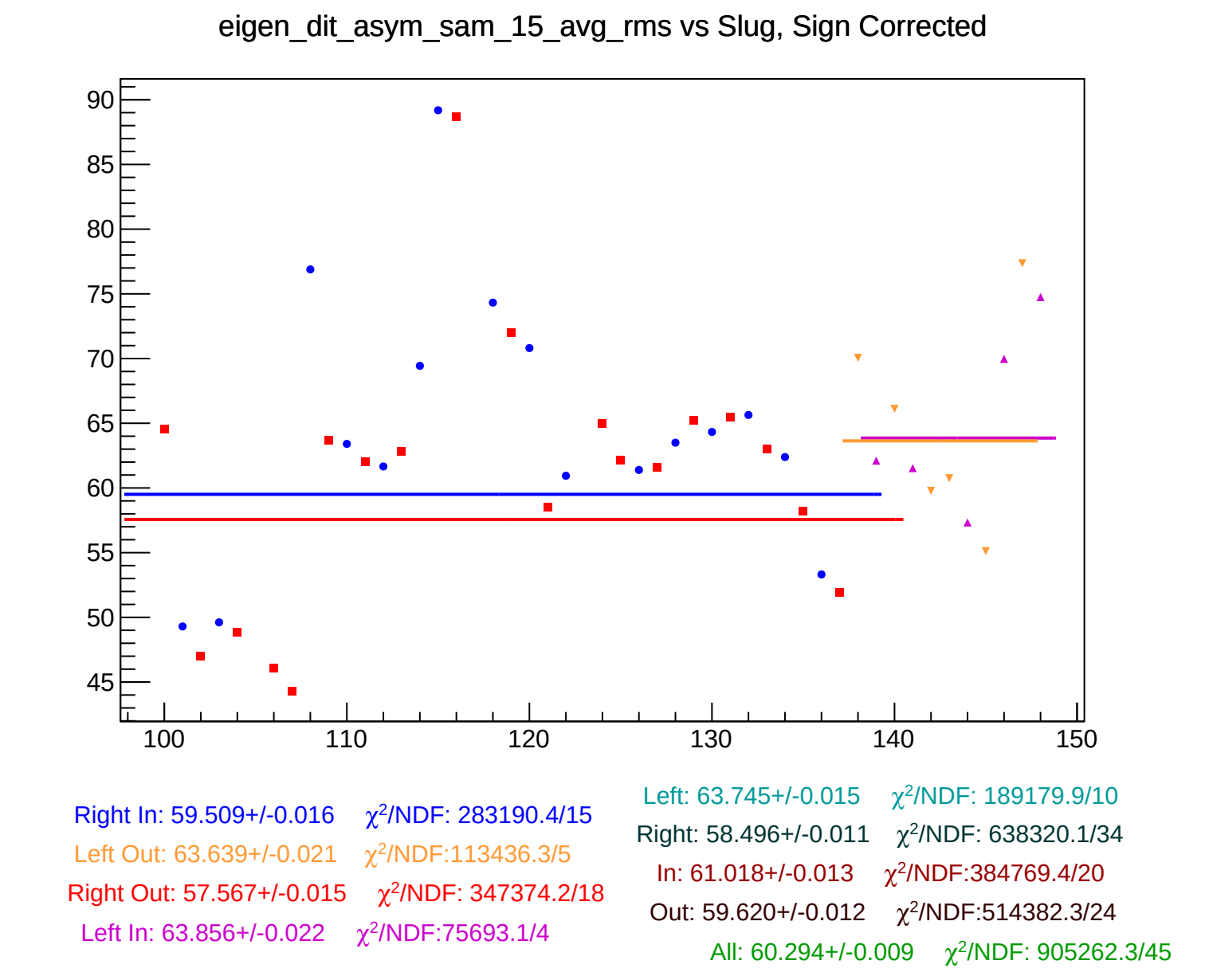
Left: 5.850+/-21.583 χ^2/NDF: 10.4/10

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

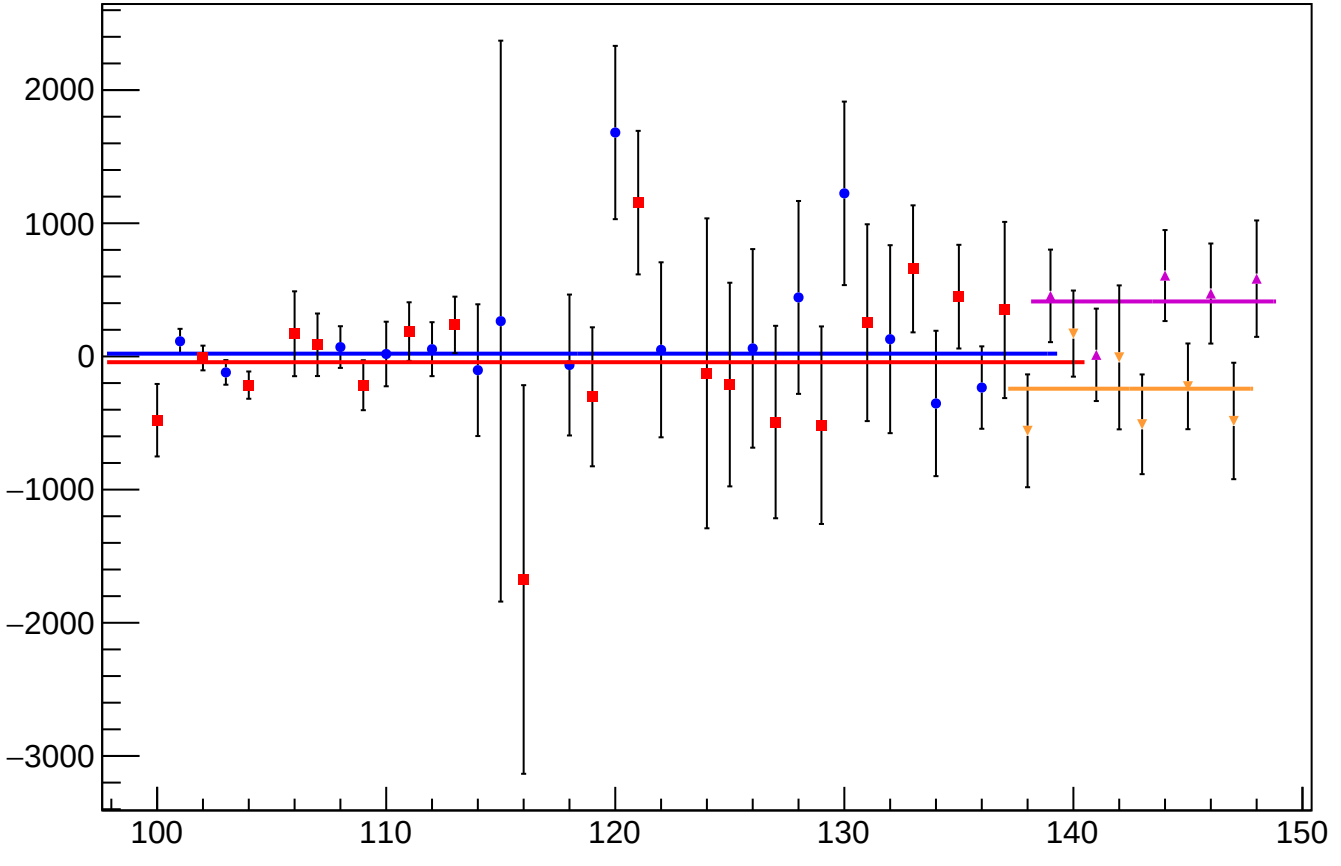
In: 28.988+/-18.192 χ^2/NDF:17.9/20

Out: 53.743+/-17.553 χ^2/NDF:36.3/24

All: 41.808+/-12.632 χ^2/NDF: 55.1/45


eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected
90
85
80
75
70
65
60
55
50
45
100
110
120
130
140
150
Right In: 59.509+/-0.016 χ²/NDF: 283190.4/15
Left Out: 63.639+/-0.021 χ²/NDF:113436.3/5
Right Out: 57.567+/-0.015 χ²/NDF: 347374.2/18
Left In: 63.856+/-0.022 χ²/NDF:75693.1/4
Left: 63.745+/-0.015 χ²/NDF: 189179.9/10
Right: 58.496+/-0.011 χ²/NDF: 638320.1/34
In: 61.018+/-0.013 χ²/NDF:384769.4/20
Out: 59.620+/-0.012 χ²/NDF:514382.3/24
All: 60.294+/-0.009 χ²/NDF: 905262.3/45

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.978 χ^2/NDF:3.2/5

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 412.822+/-163.348 χ^2/NDF:1.9/4

Left: 72.232+/-113.185 χ^2/NDF: 13.4/10

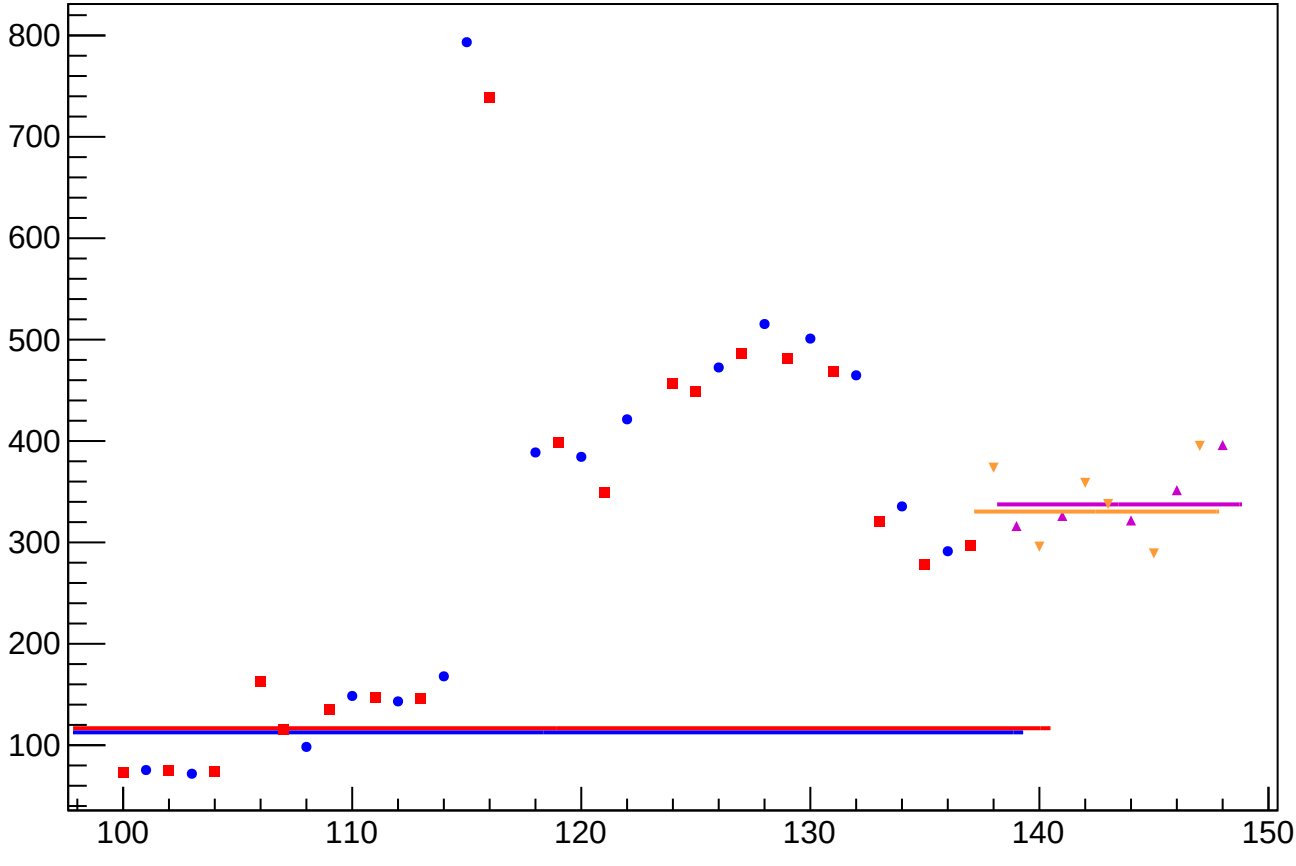
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 58.923+/-50.916 χ^2/NDF:21.7/20

Out: -63.775+/-50.394 χ^2/NDF:26.2/24

All: -3.058+/-35.817 χ^2/NDF: 50.8/45

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: 330.433+/-0.111 χ^2/NDF:126790.5/5

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 337.489+/-0.116 χ^2/NDF:52648.7/4

Left: 333.821+/-0.080 χ^2/NDF: 181379.3/10

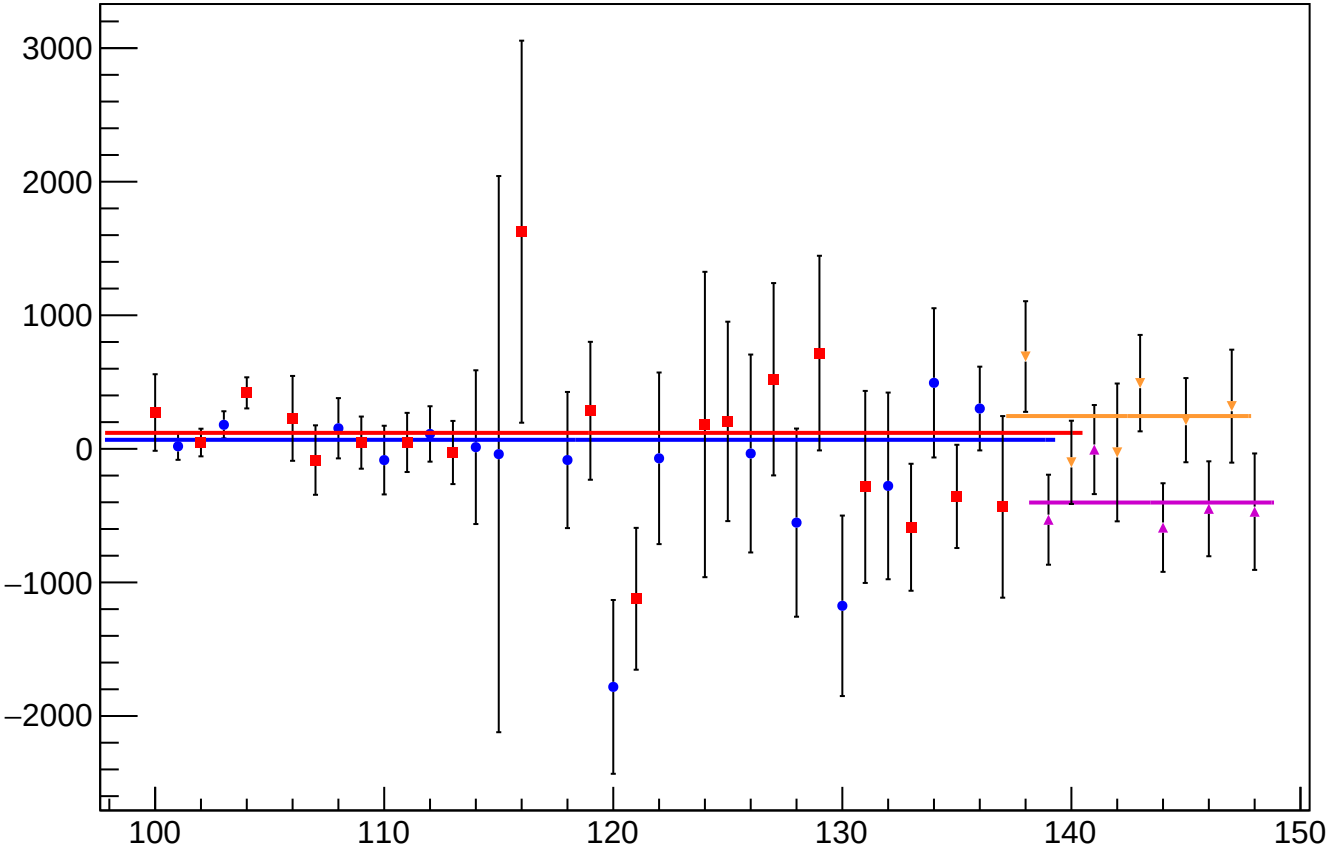
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 134.511+/-0.036 χ^2/NDF:9072795.4/20

Out: 138.756+/-0.036 χ^2/NDF:8592714.9/24

All: 136.655+/-0.025 χ^2/NDF: 17672532.9/45

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 245.548+/-152.115 χ^2/NDF:3.2/5

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -401.873+/-157.965 χ^2/NDF:1.9/4

Left: -65.953+/-109.571 χ^2/NDF: 13.8/10

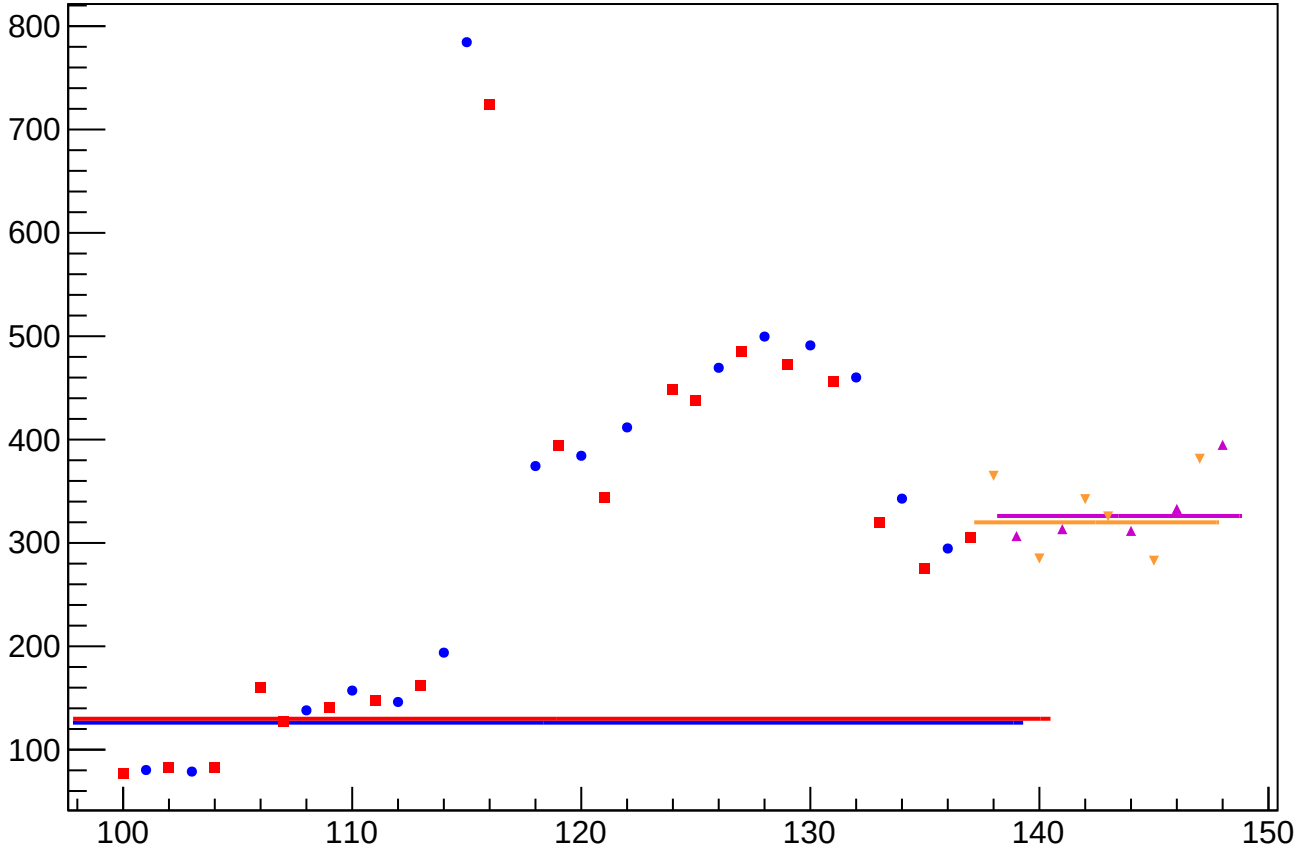
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 9.854+/-55.409 χ^2/NDF:25.4/20

Out: 135.589+/-54.146 χ^2/NDF:24.9/24

All: 74.171+/-38.726 χ^2/NDF: 53.0/45

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 319.933+/-0.108 χ^2/NDF:123068.0/5

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 326.102+/-0.112 χ^2/NDF:63914.2/4

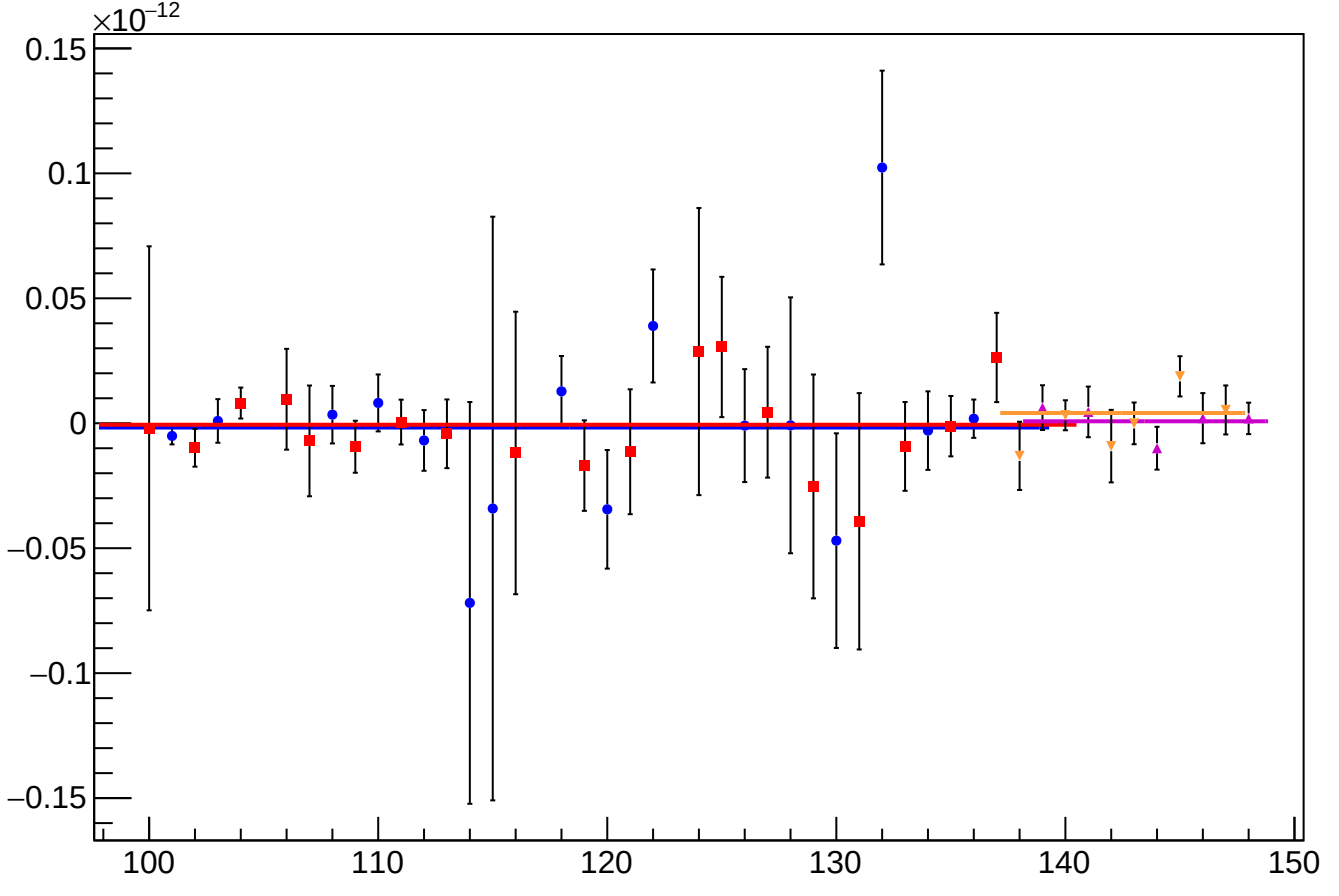
Left: 322.902+/-0.077 χ^2/NDF: 188564.9/10

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 150.756+/-0.039 χ^2/NDF:8094172.0/20

Out: 153.991+/-0.038 χ^2/NDF:7496216.8/24

All: 152.411+/-0.027 χ^2/NDF: 15593876.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

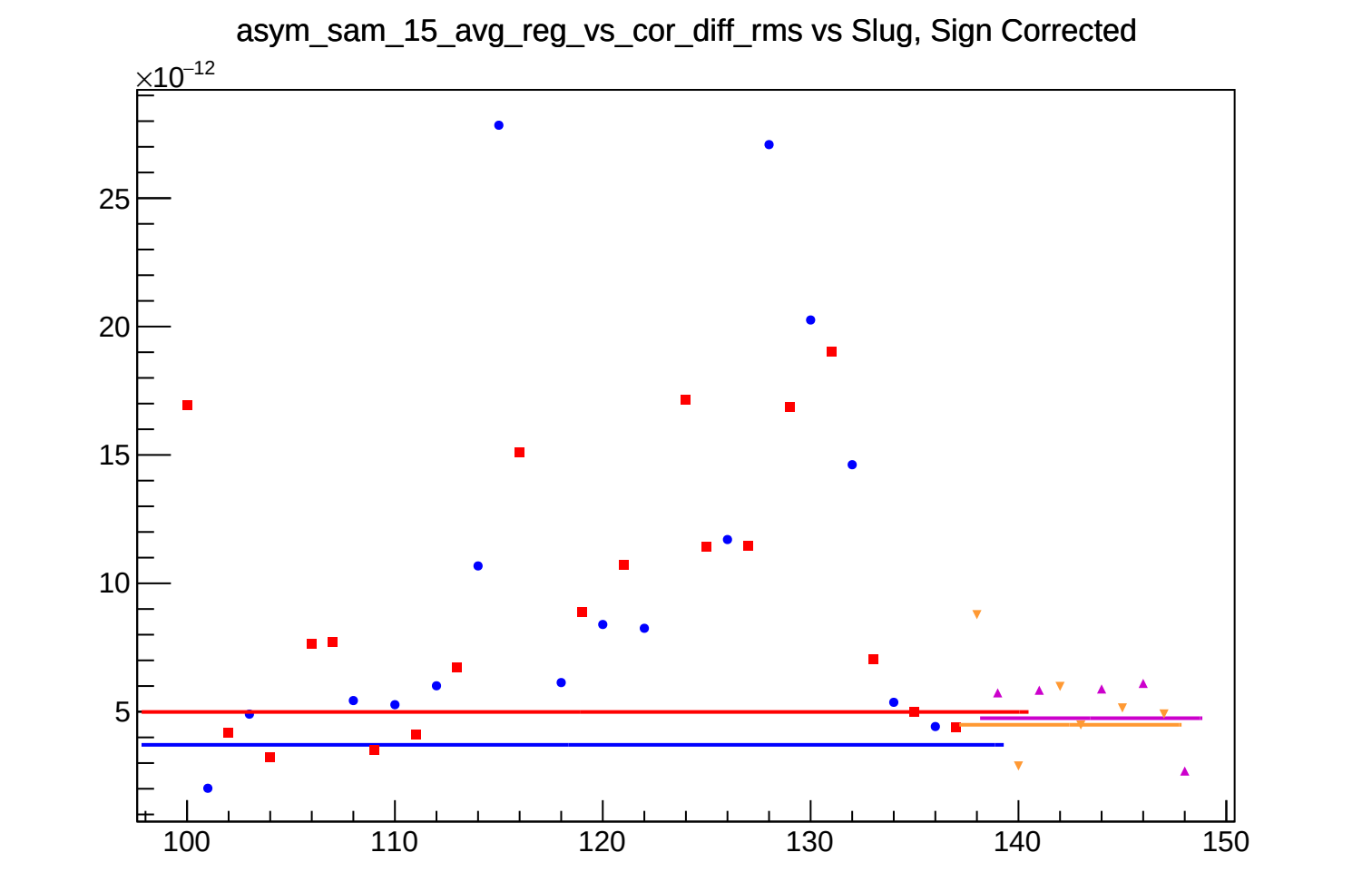
Left: 0.000+/-0.000 χ^2/NDF: 8.6/10

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.2/20

Out: 0.000+/-0.000 χ^2/NDF:17.5/24

All: 0.000+/-0.000 χ^2/NDF: 38.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:378389.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:332766.9/4

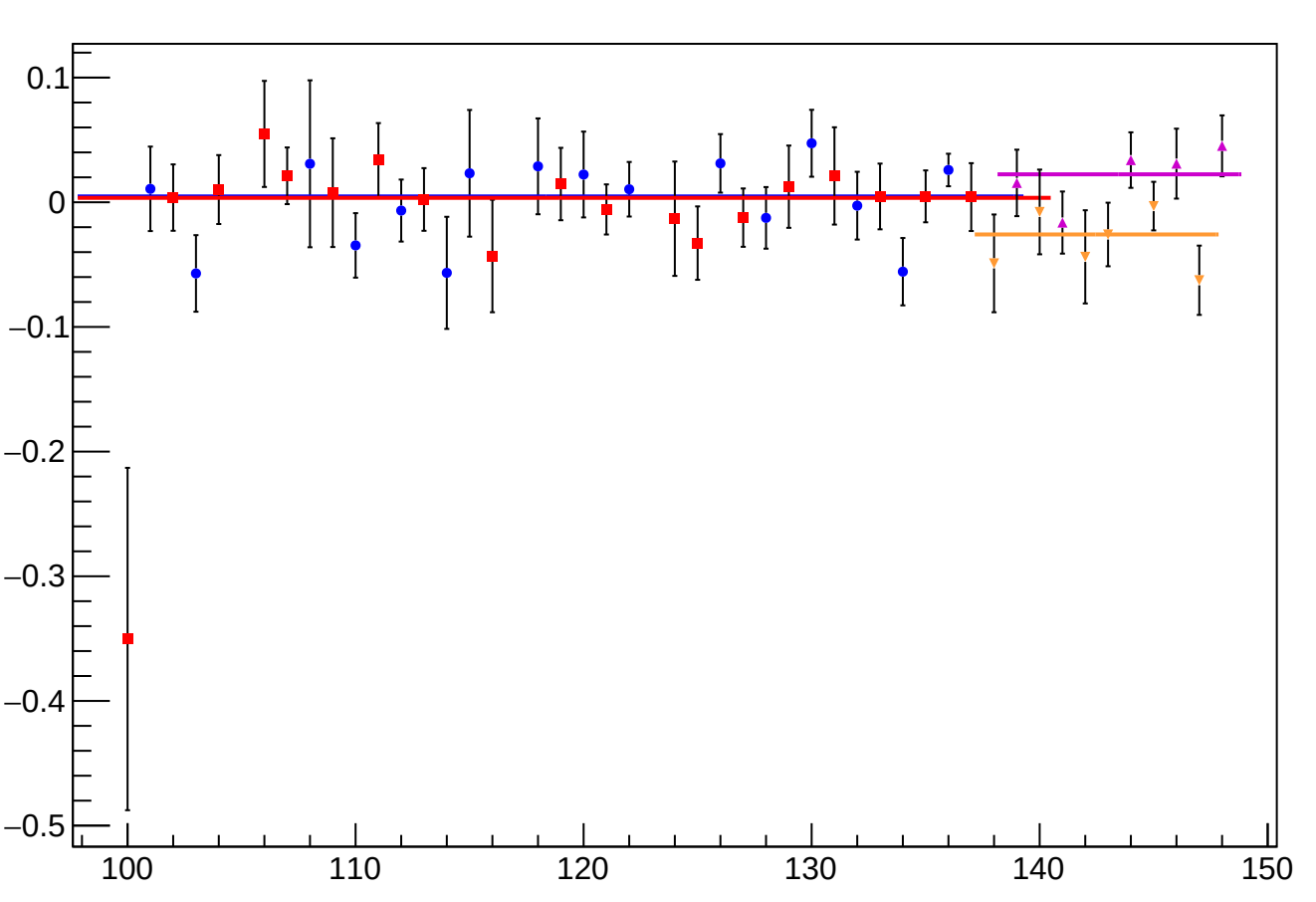
Left: 0.000+/-0.000 χ^2/NDF: 716035.4/10

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:2610220.4/20

Out: 0.000+/-0.000 χ^2/NDF:1695366.2/24

All: 0.000+/-0.000 χ^2/NDF: 4412206.2/45



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

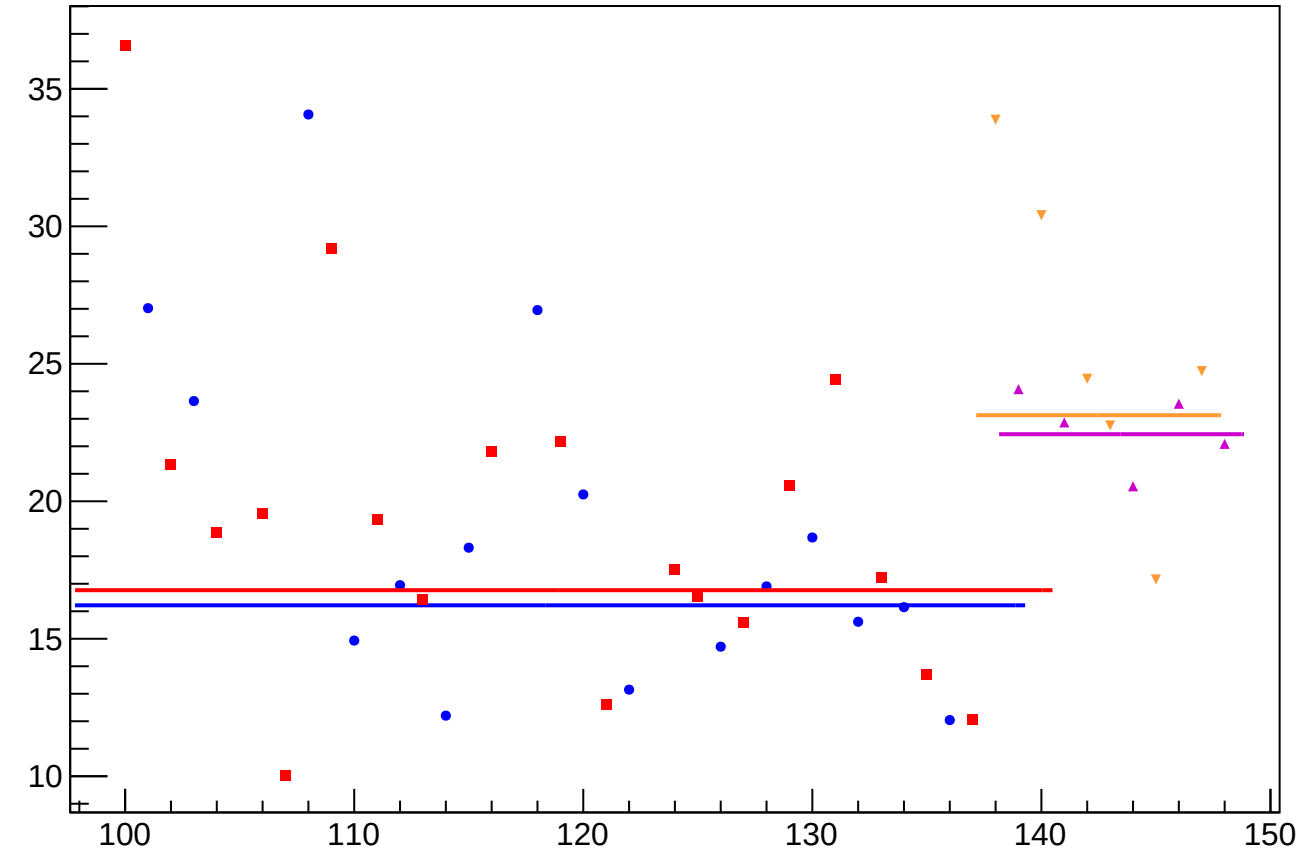
Left: -0.001+/-0.008 χ^2/NDF: 16.8/10

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.003+/-0.004 χ^2/NDF: 52.2/45



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 23.132+/-0.008 χ^2/NDF:439588.2/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

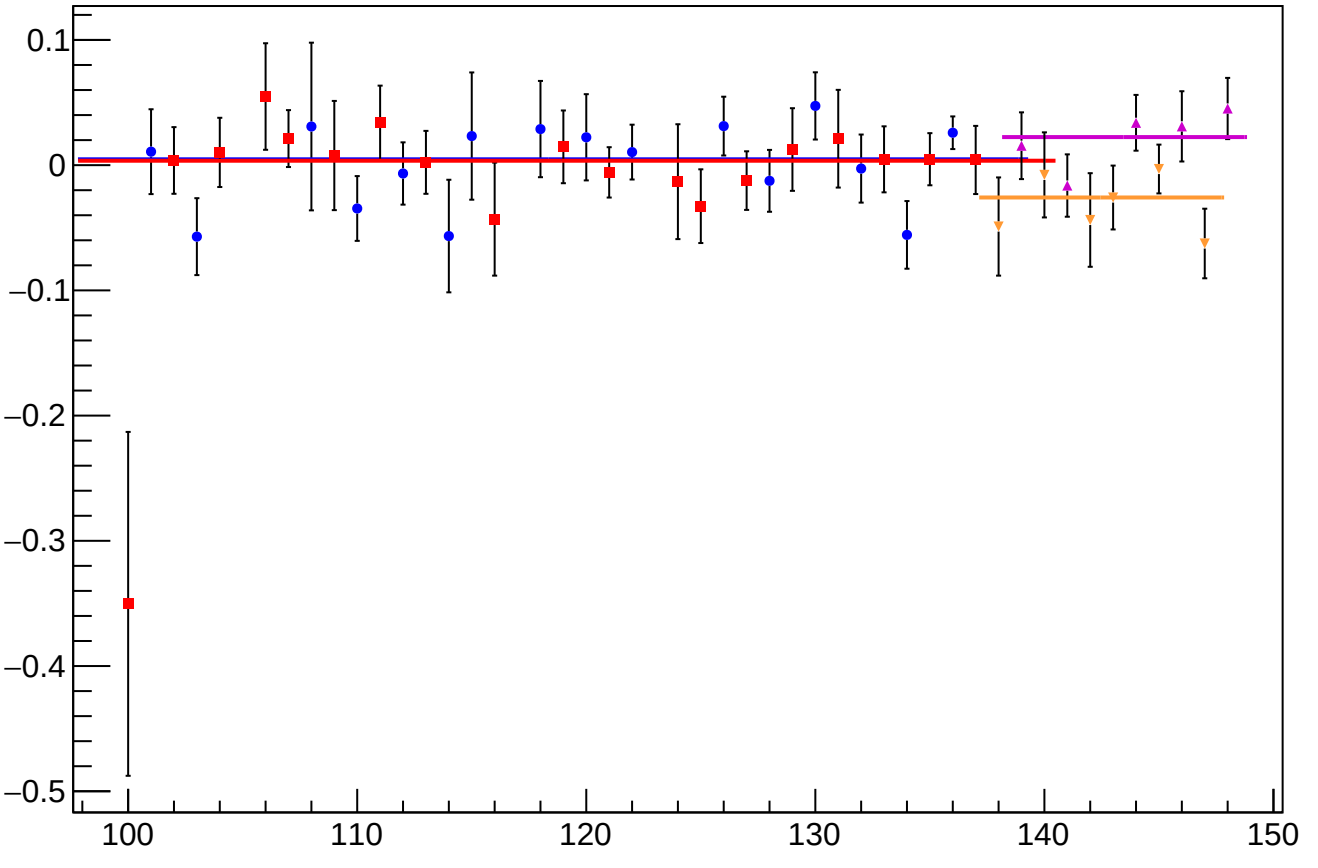
Left: 22.780+/-0.006 χ^2/NDF: 469505.0/10

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.809+/-0.004 χ^2/NDF:1429938.6/20

Out: 18.375+/-0.004 χ^2/NDF:1772658.8/24

All: 18.089+/-0.003 χ^2/NDF: 3212454.6/45



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

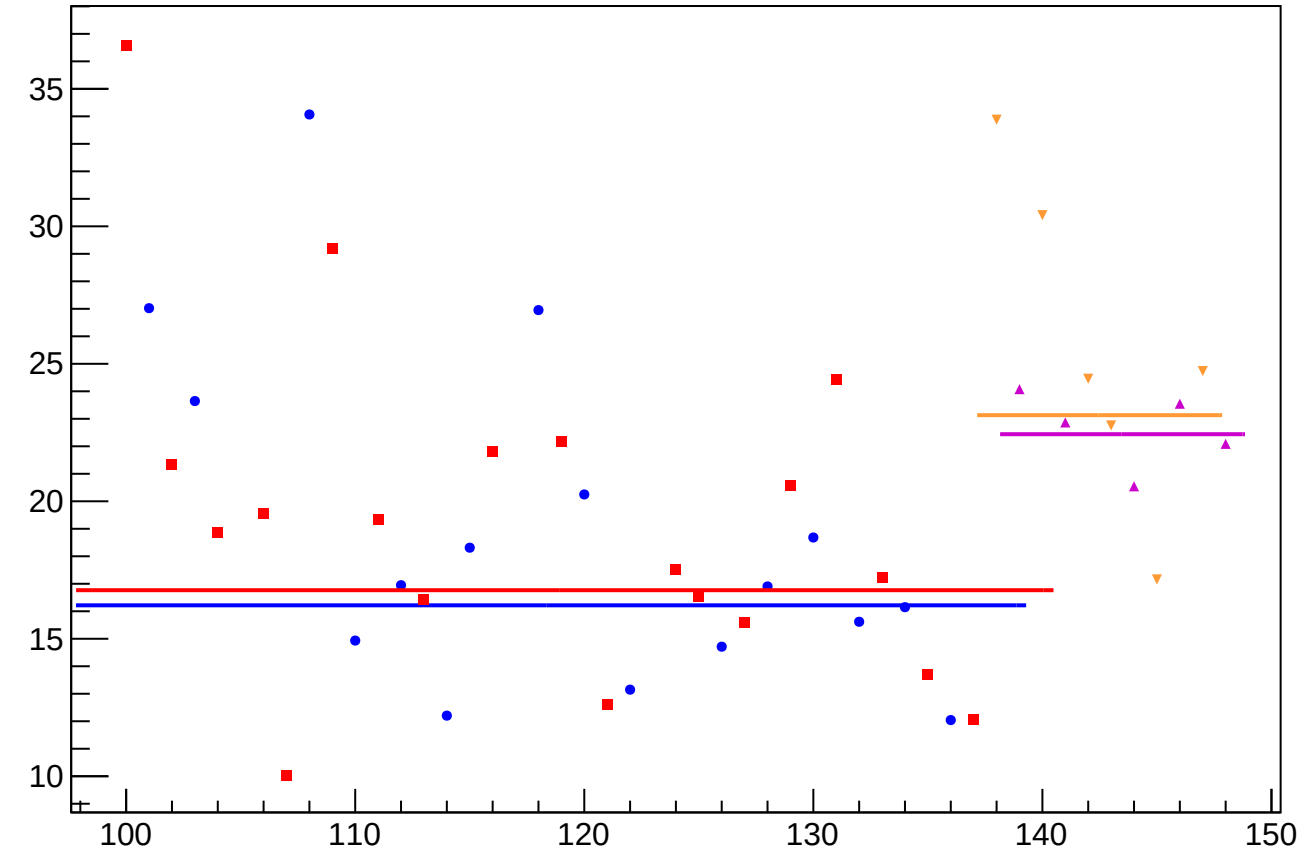
Left: -0.001+/-0.008 χ^2/NDF: 16.8/10

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.003+/-0.004 χ^2/NDF: 52.2/45



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 23.132+/-0.008 χ^2/NDF:439588.2/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

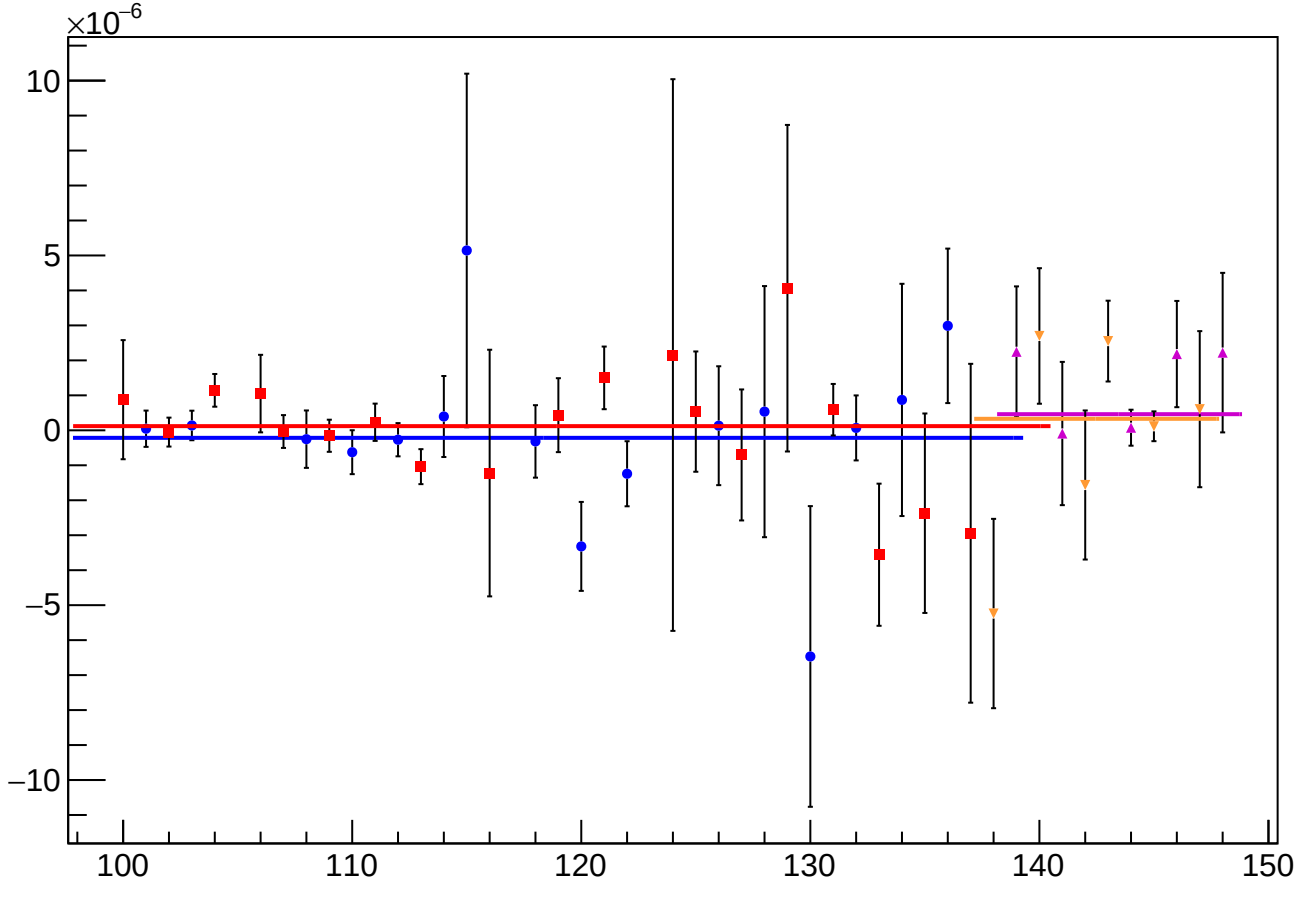
Left: 22.780+/-0.006 χ^2/NDF: 469505.0/10

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.809+/-0.004 χ^2/NDF:1429938.6/20

Out: 18.375+/-0.004 χ^2/NDF:1772658.8/24

All: 18.089+/-0.003 χ^2/NDF: 3212454.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/4

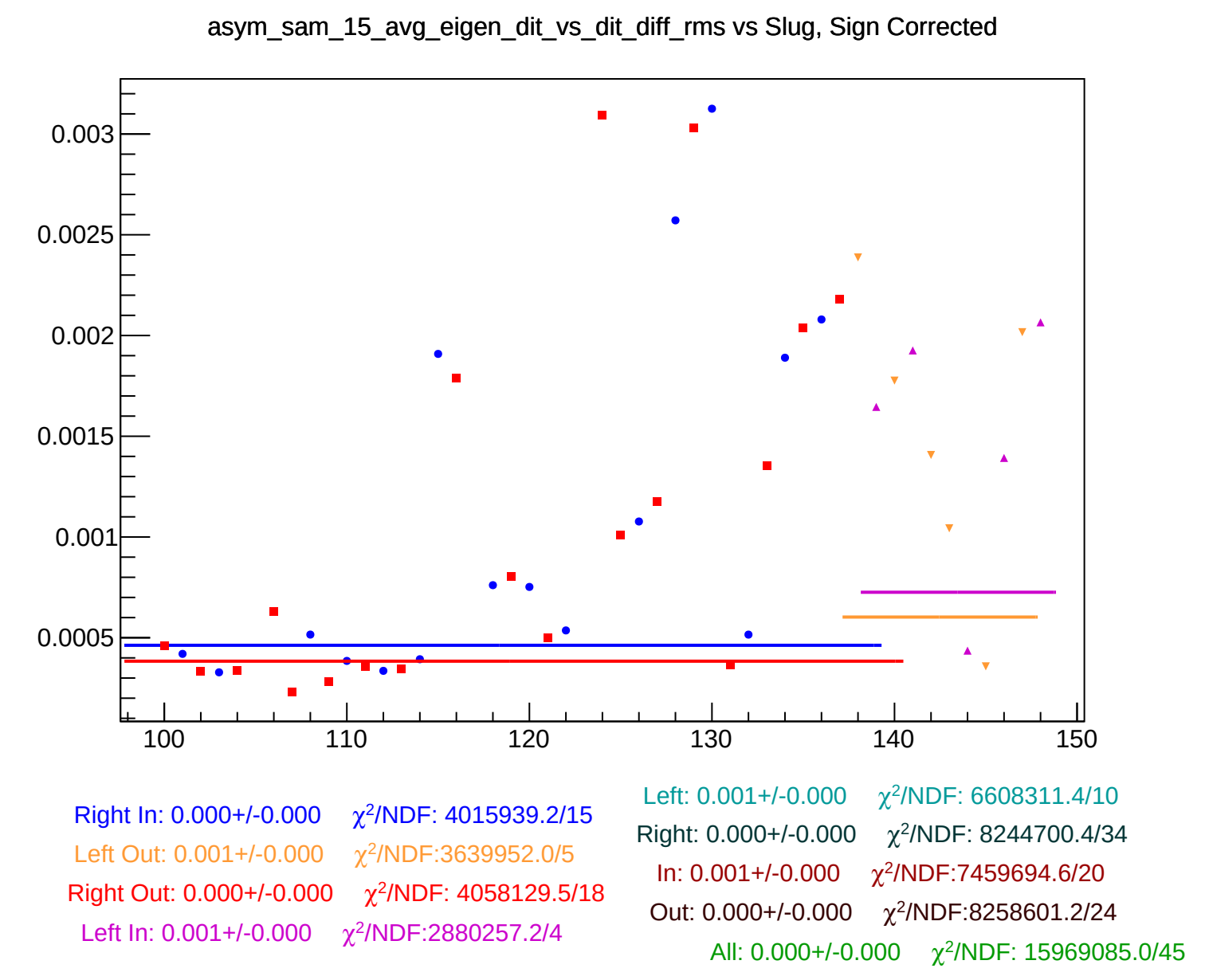
Left: 0.000+/-0.000 χ^2/NDF: 14.0/10

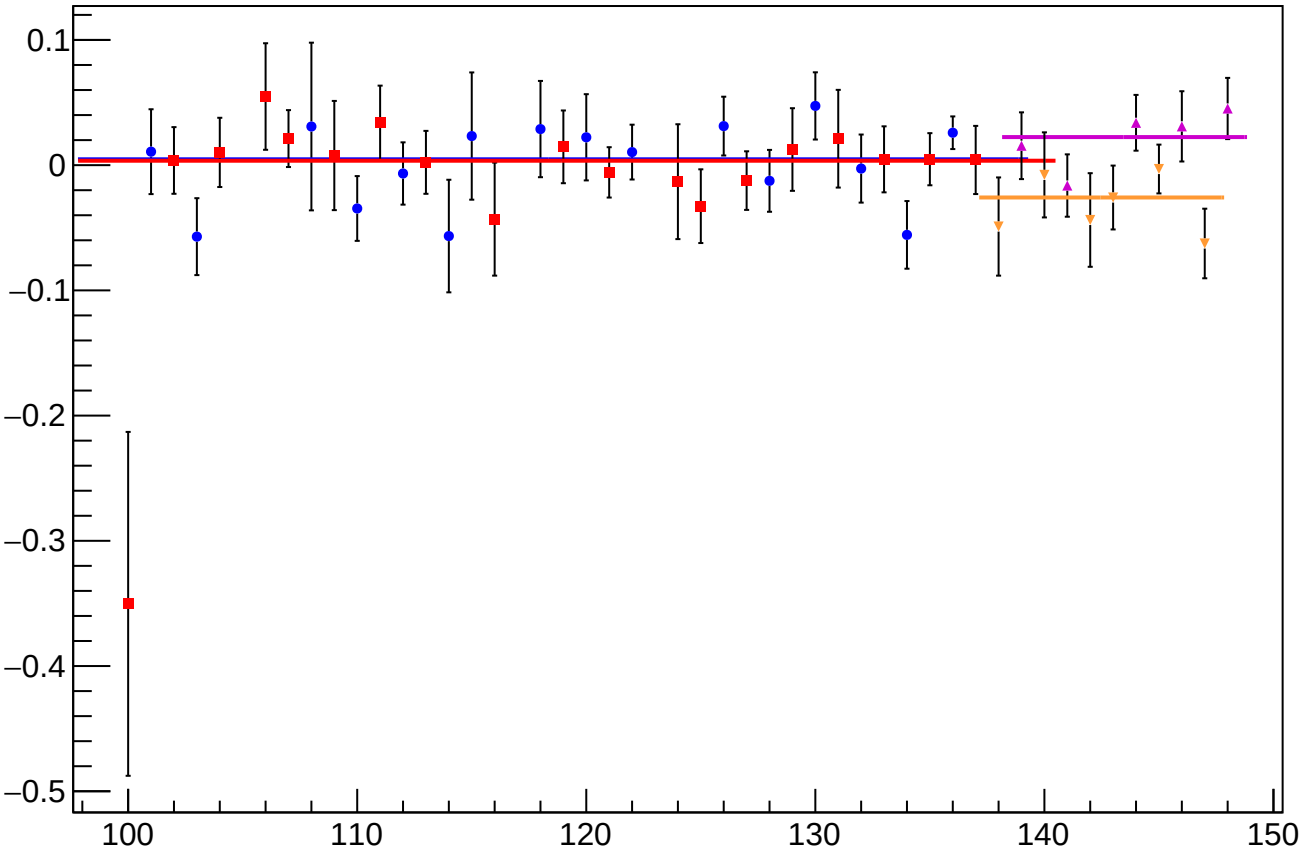
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:19.8/20

Out: 0.000+/-0.000 χ^2/NDF:31.0/24

All: 0.000+/-0.000 χ^2/NDF: 51.8/45


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3639952.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:2880257.2/4
Left: 0.001+/-0.000 χ²/NDF: 6608311.4/10
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:7459694.6/20
Out: 0.000+/-0.000 χ²/NDF:8258601.2/24
All: 0.000+/-0.000 χ²/NDF: 15969085.0/45



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

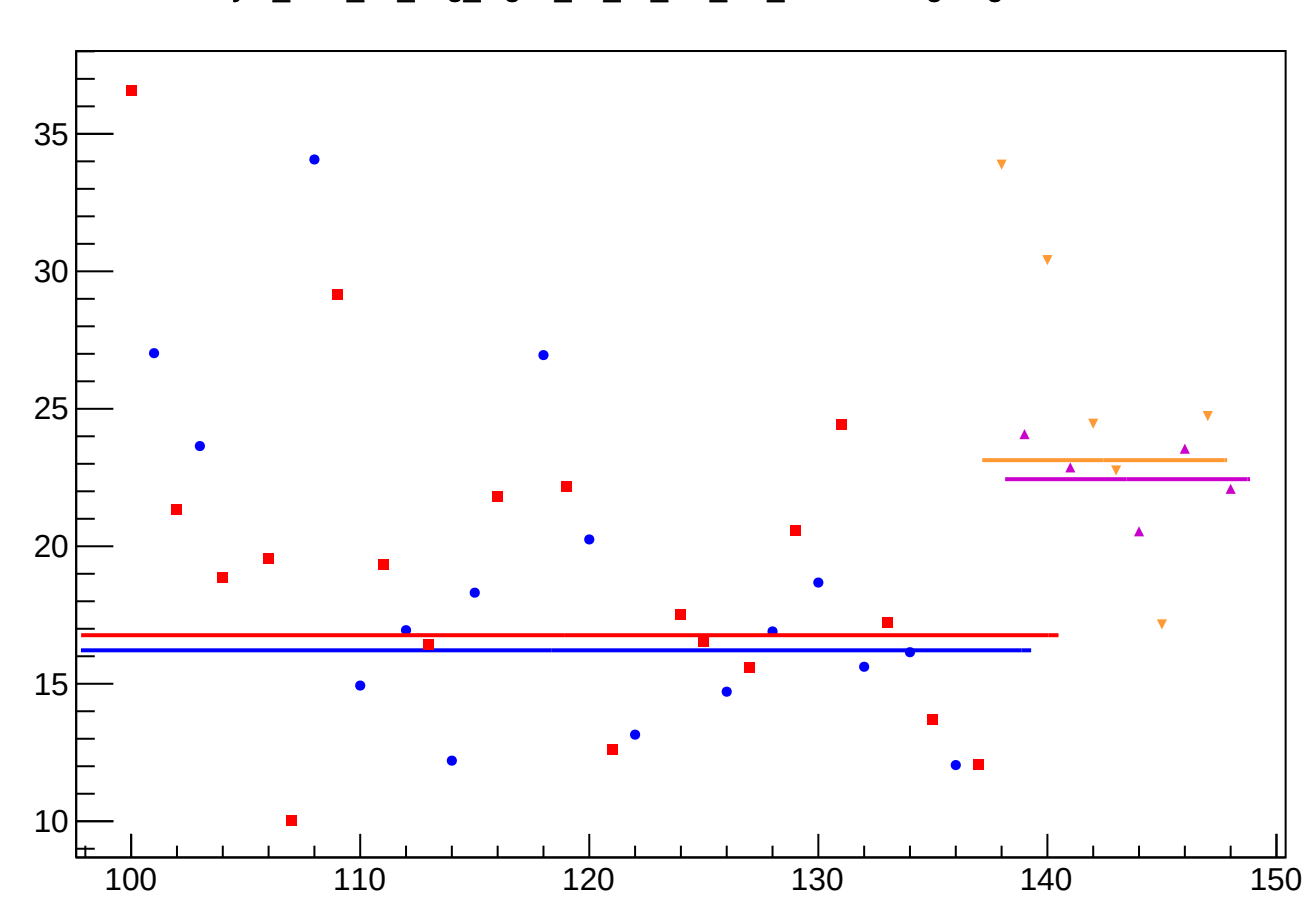
Left: -0.001+/-0.008 χ^2/NDF: 16.8/10

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.003+/-0.004 χ^2/NDF: 52.2/45



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 23.132+/-0.008 χ^2/NDF:439628.3/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.440+/-0.008 χ^2/NDF:26178.6/4

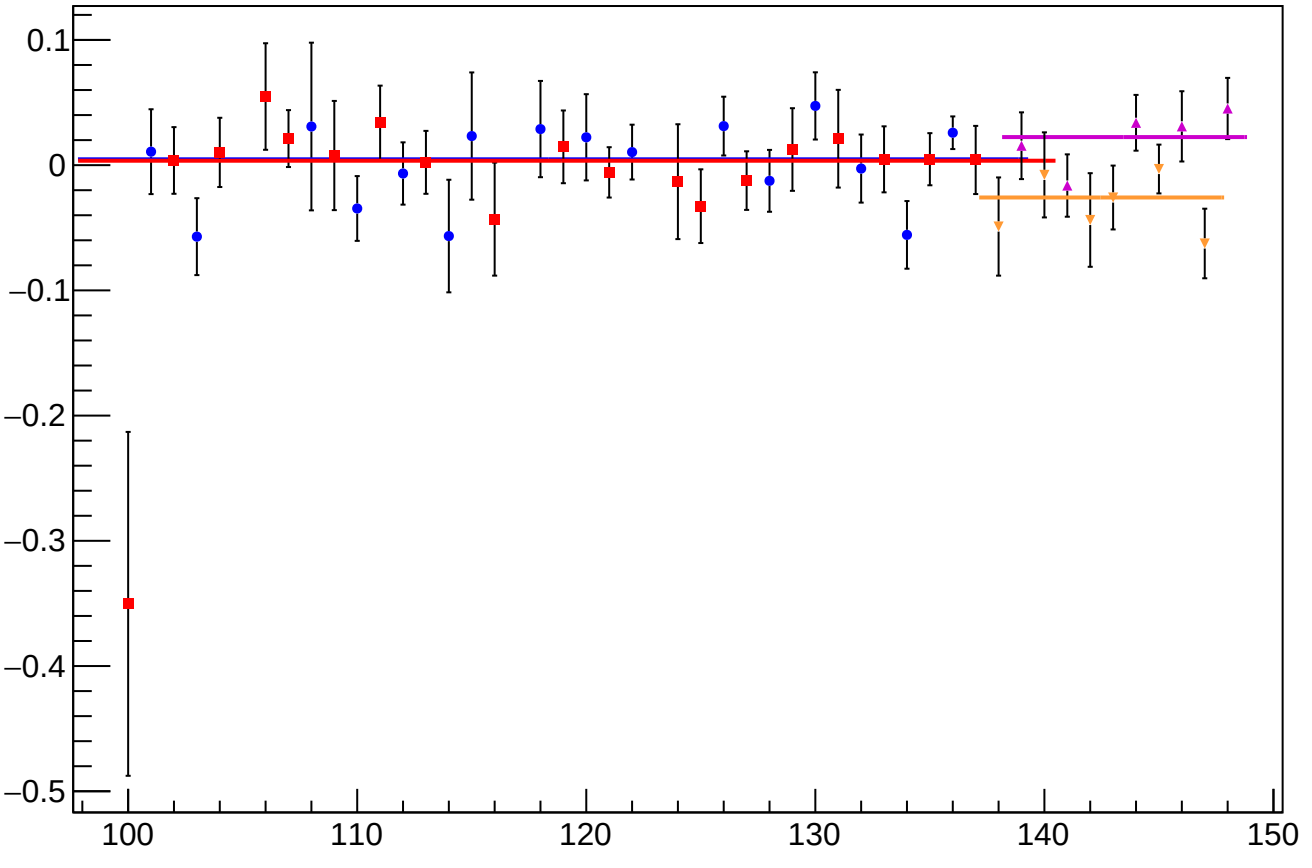
Left: 22.780+/-0.006 χ^2/NDF: 469555.0/10

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.809+/-0.004 χ^2/NDF:1430016.5/20

Out: 18.375+/-0.004 χ^2/NDF:1772751.8/24

All: 18.089+/-0.003 χ^2/NDF: 3212622.8/45



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

Left: -0.001+/-0.008 χ^2/NDF: 16.8/10

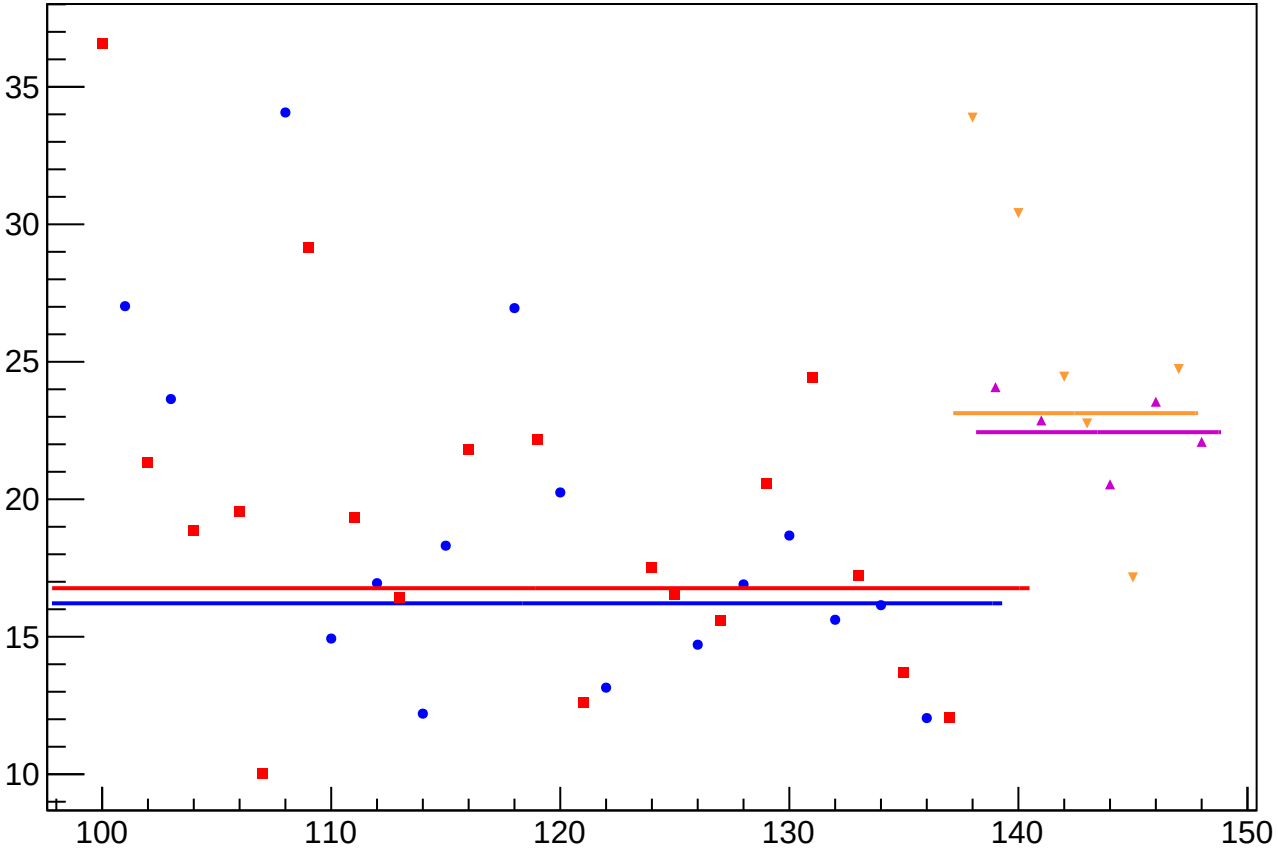
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.003+/-0.004 χ^2/NDF: 52.2/45

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: 23.132+/-0.008 χ^2/NDF:439628.3/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.440+/-0.008 χ^2/NDF:26178.6/4

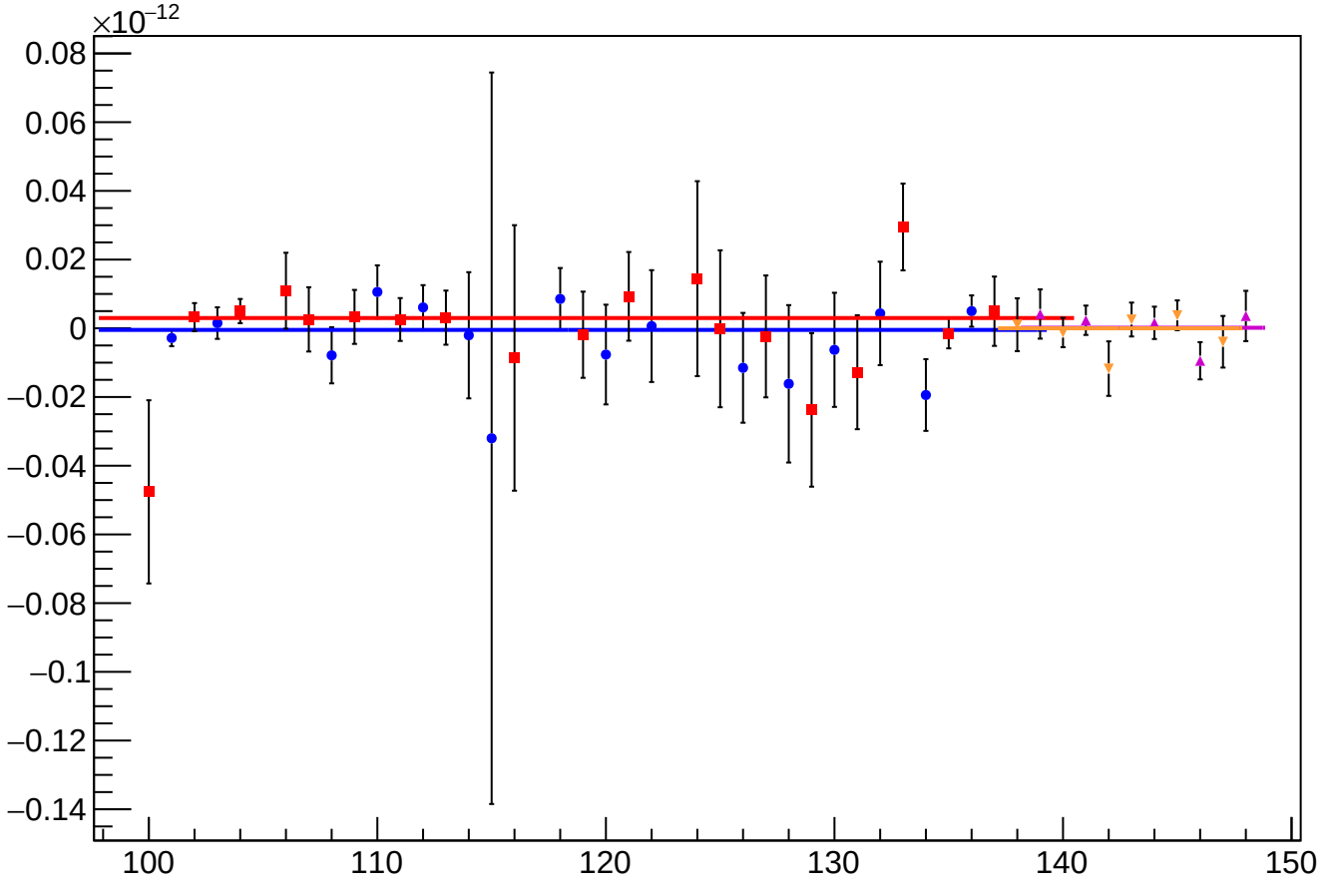
Left: 22.780+/-0.006 χ^2/NDF: 469555.0/10

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.809+/-0.004 χ^2/NDF:1430016.5/20

Out: 18.375+/-0.004 χ^2/NDF:1772751.8/24

All: 18.089+/-0.003 χ^2/NDF: 3212622.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/4

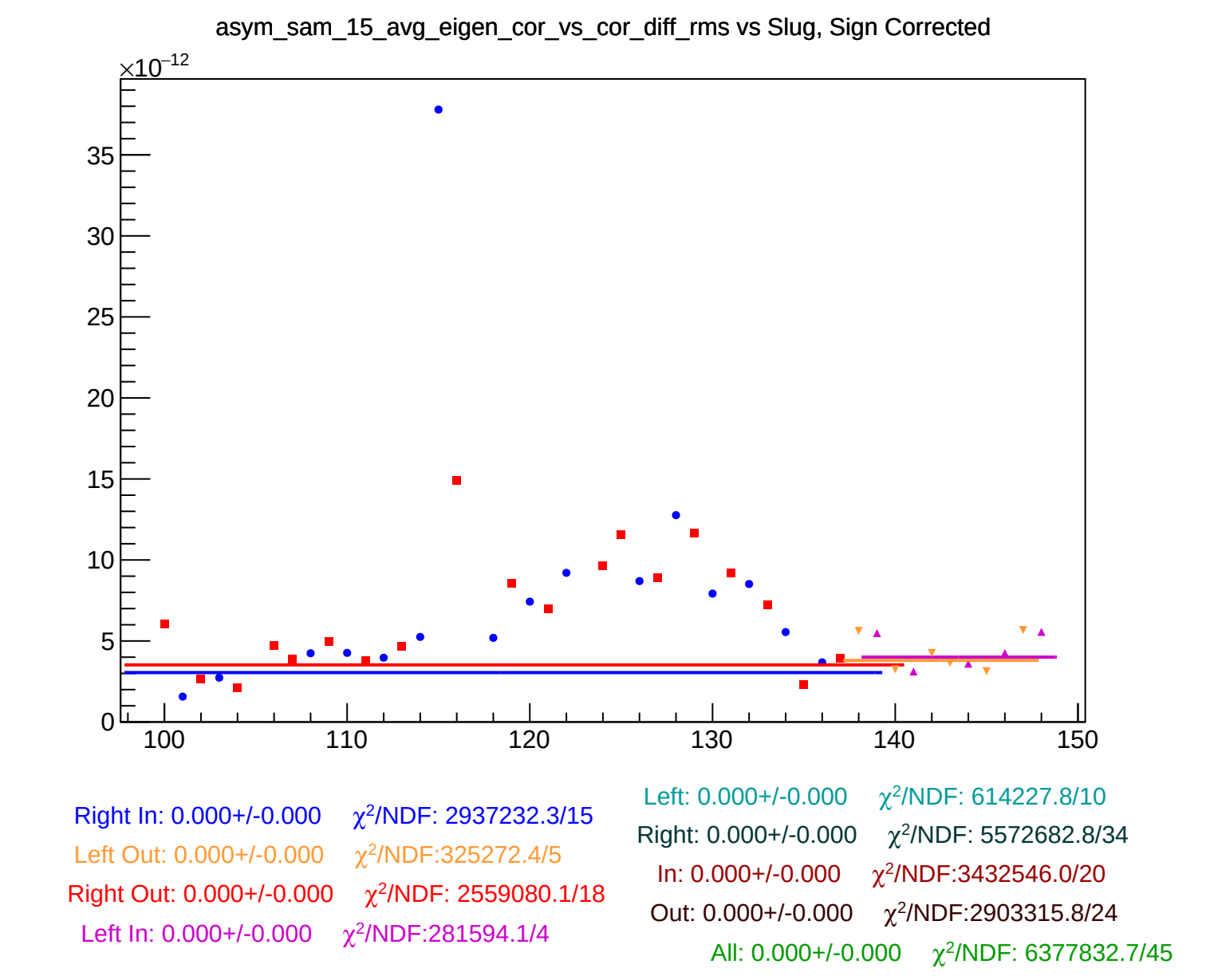
Left: 0.000+/-0.000 χ^2/NDF: 7.6/10

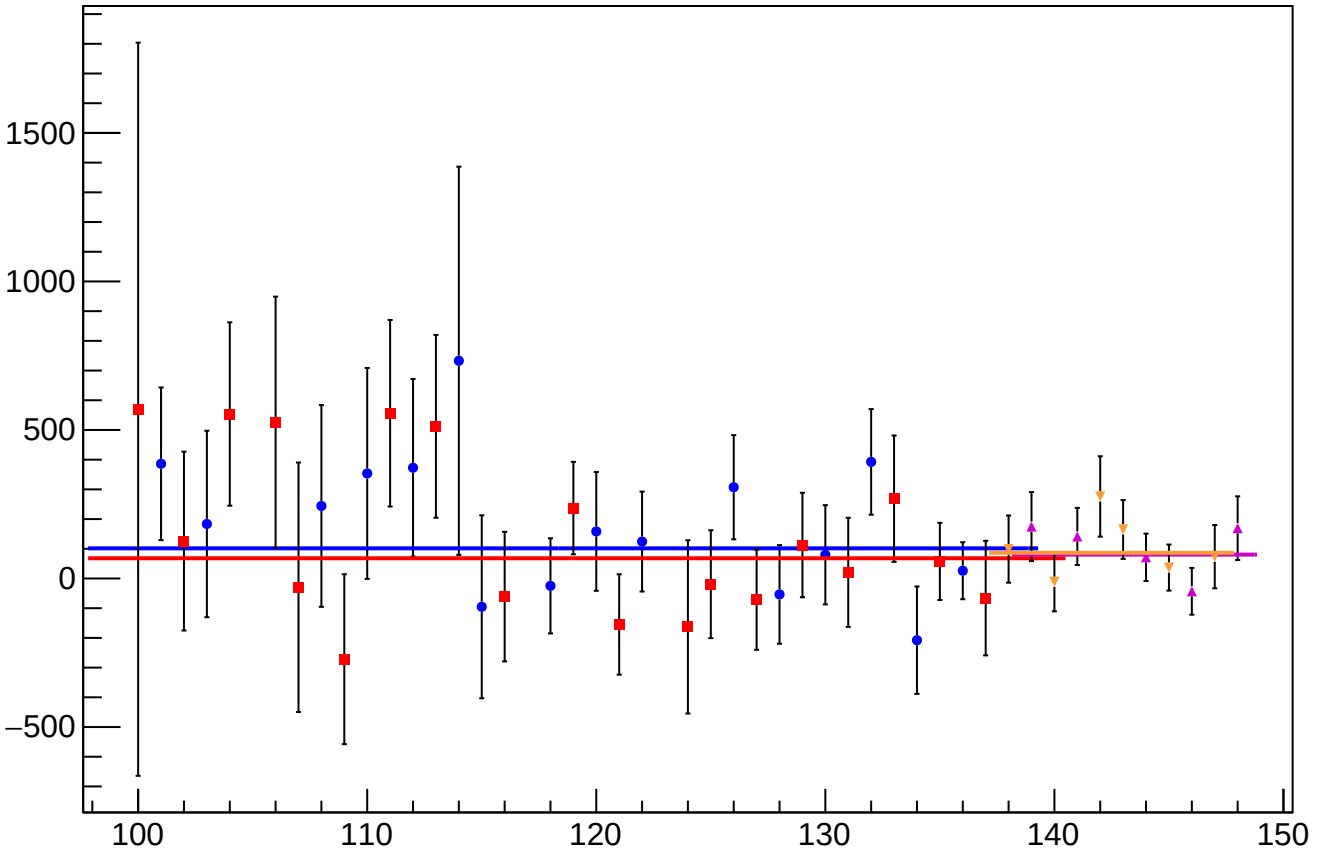
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:16.4/20

Out: 0.000+/-0.000 χ^2/NDF:17.7/24

All: 0.000+/-0.000 χ^2/NDF: 35.2/45


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:325272.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:281594.1/4
Left: 0.000+/-0.000 χ²/NDF: 614227.8/10
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3432546.0/20
Out: 0.000+/-0.000 χ²/NDF:2903315.8/24
All: 0.000+/-0.000 χ²/NDF: 6377832.7/45



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 86.471+/-41.143 χ^2/NDF:4.0/5

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 80.426+/-41.252 χ^2/NDF:4.2/4

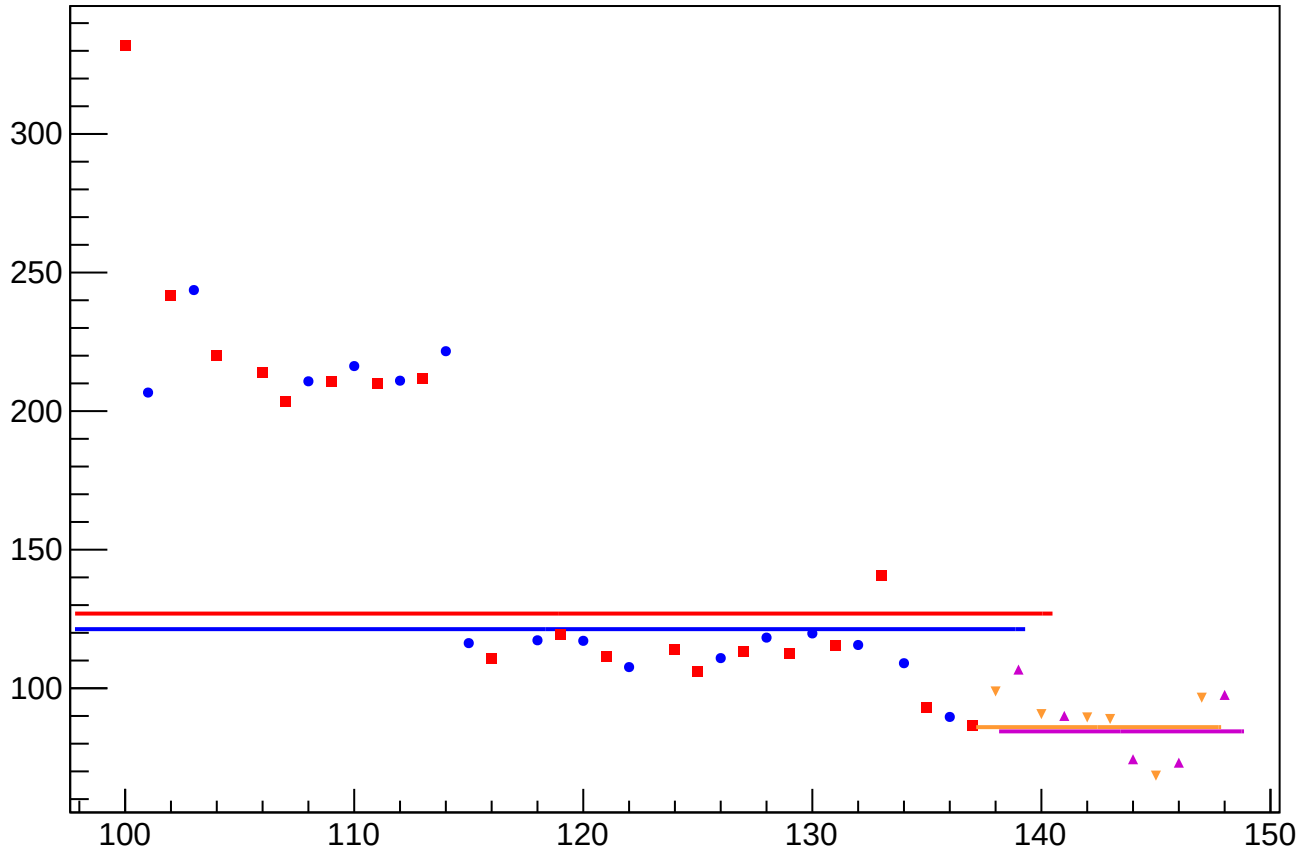
Left: 83.456+/-29.131 χ^2/NDF: 8.2/10

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 89.441+/-31.183 χ^2/NDF:17.7/20

Out: 78.937+/-31.595 χ^2/NDF:20.2/24

All: 84.258+/-22.194 χ^2/NDF: 38.0/45



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

Left: 85.205+/-0.021 χ^2/NDF: 340083.2/10

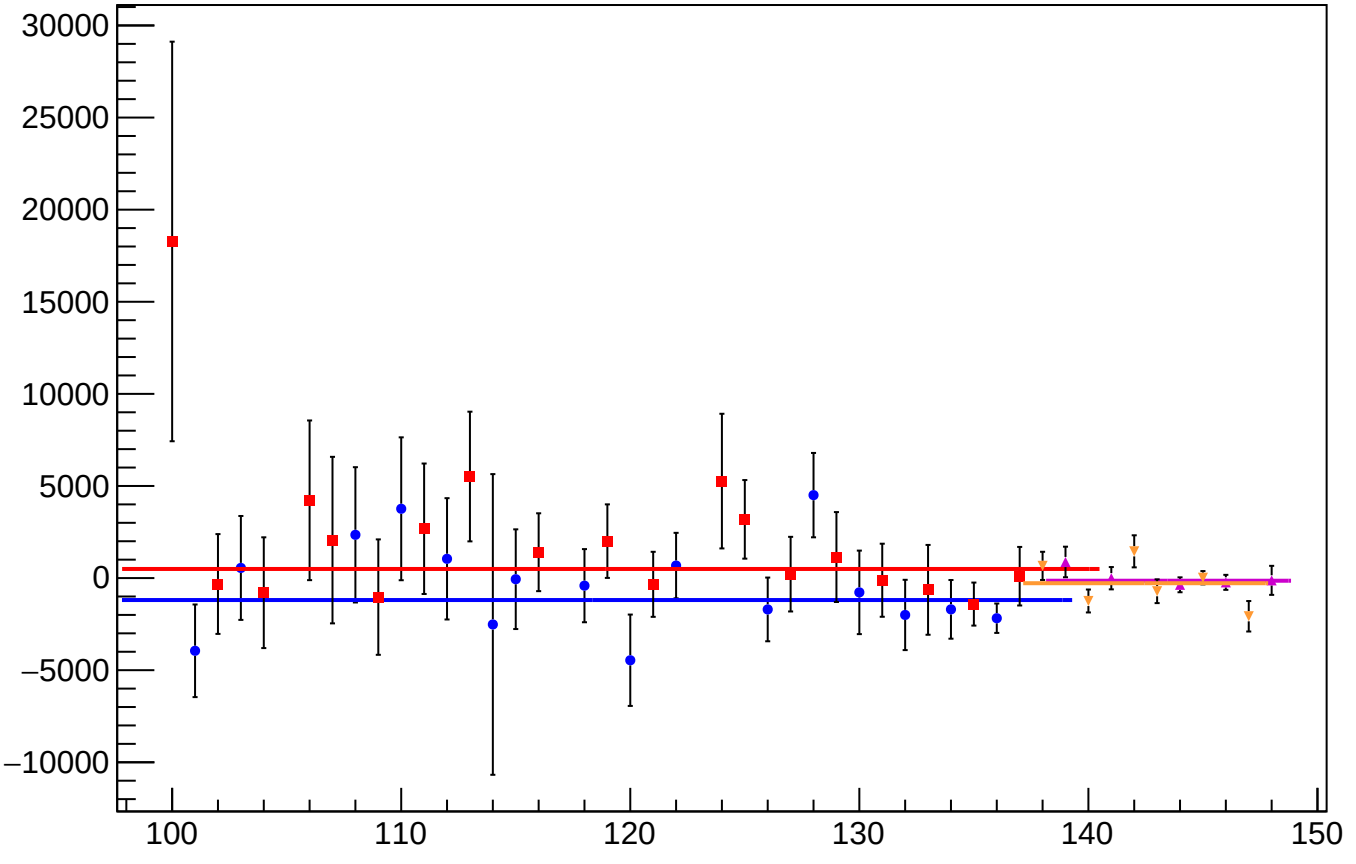
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 100.249+/-0.022 χ^2/NDF:2155378.6/20

Out: 102.778+/-0.022 χ^2/NDF:2440897.7/24

All: 101.497+/-0.016 χ^2/NDF: 4602768.6/45

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: -278.737+/-241.833 χ^2/NDF:13.7/5

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -143.861+/-236.147 χ^2/NDF:1.9/4

Left: -209.695+/-168.956 χ^2/NDF: 15.8/10

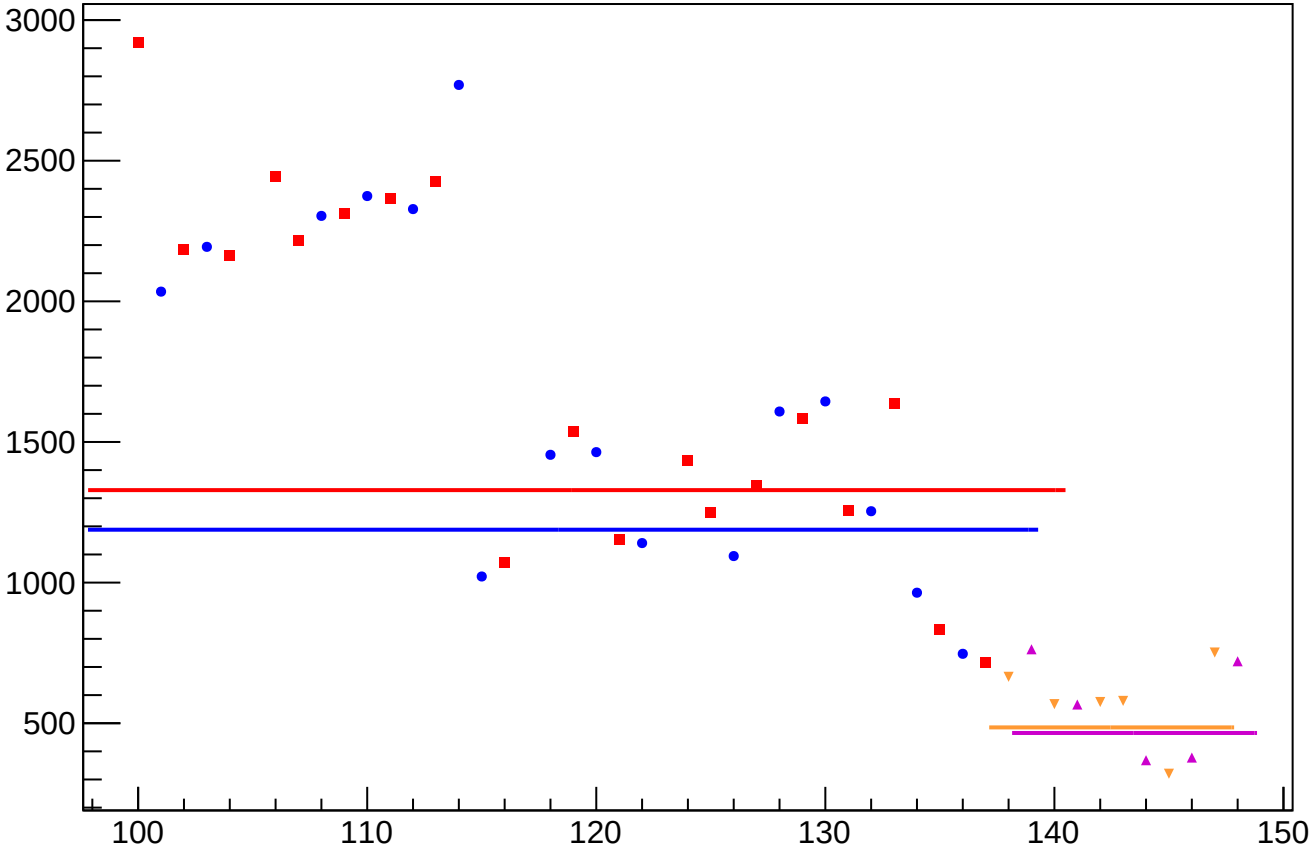
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -348.897+/-211.798 χ^2/NDF:21.7/20

Out: -141.976+/-219.411 χ^2/NDF:29.4/24

All: -249.088+/-152.384 χ^2/NDF: 51.5/45

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 485.178+/-0.171 χ^2/NDF:830870.2/5

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 465.349+/-0.167 χ^2/NDF:729040.3/4

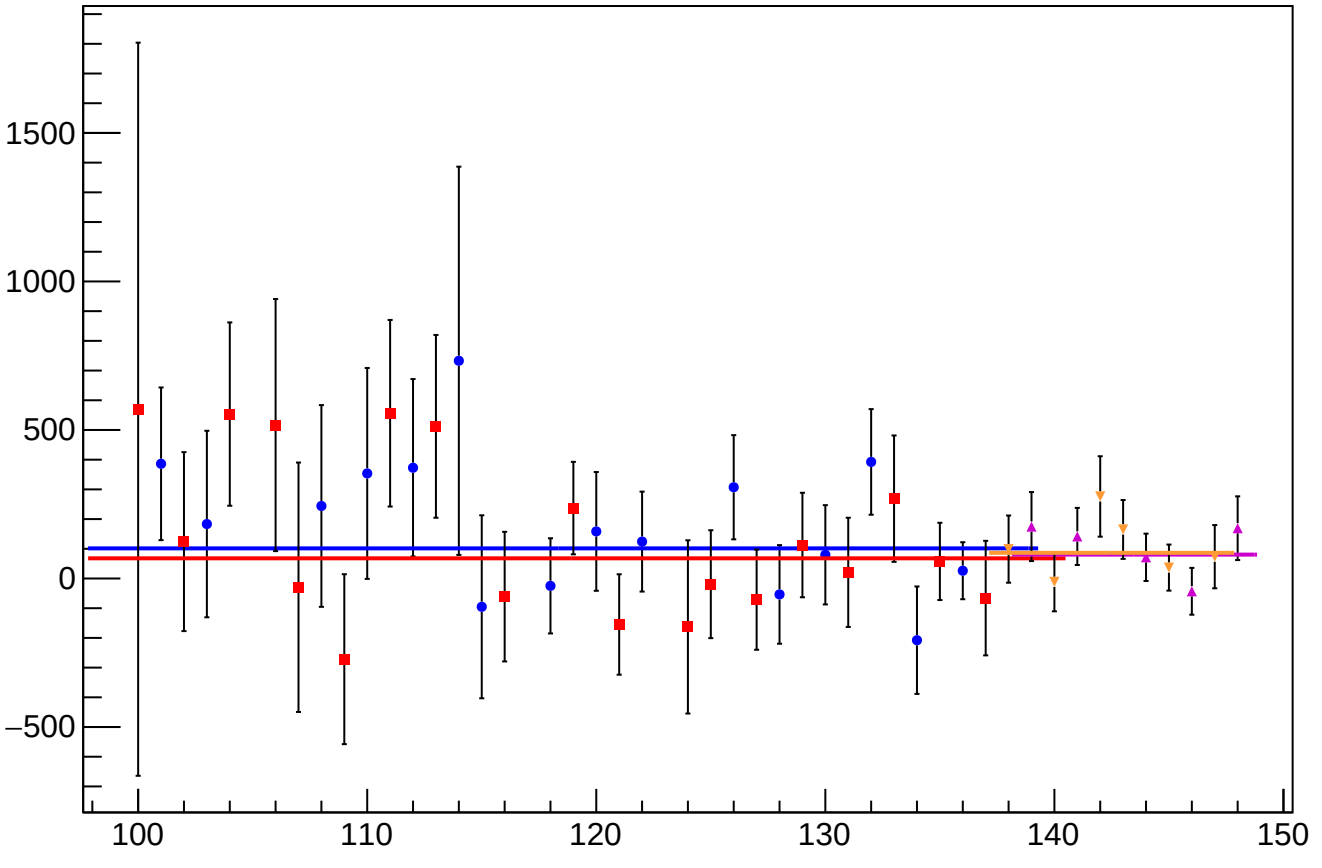
Left: 475.028+/-0.119 χ^2/NDF: 1566794.2/10

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 606.704+/-0.150 χ^2/NDF:6437596.7/20

Out: 634.367+/-0.155 χ^2/NDF:7092824.8/24

All: 620.047+/-0.108 χ^2/NDF: 13546879.4/45



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 86.473+/-41.143 χ^2/NDF:4.0/5

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 80.428+/-41.252 χ^2/NDF:4.2/4

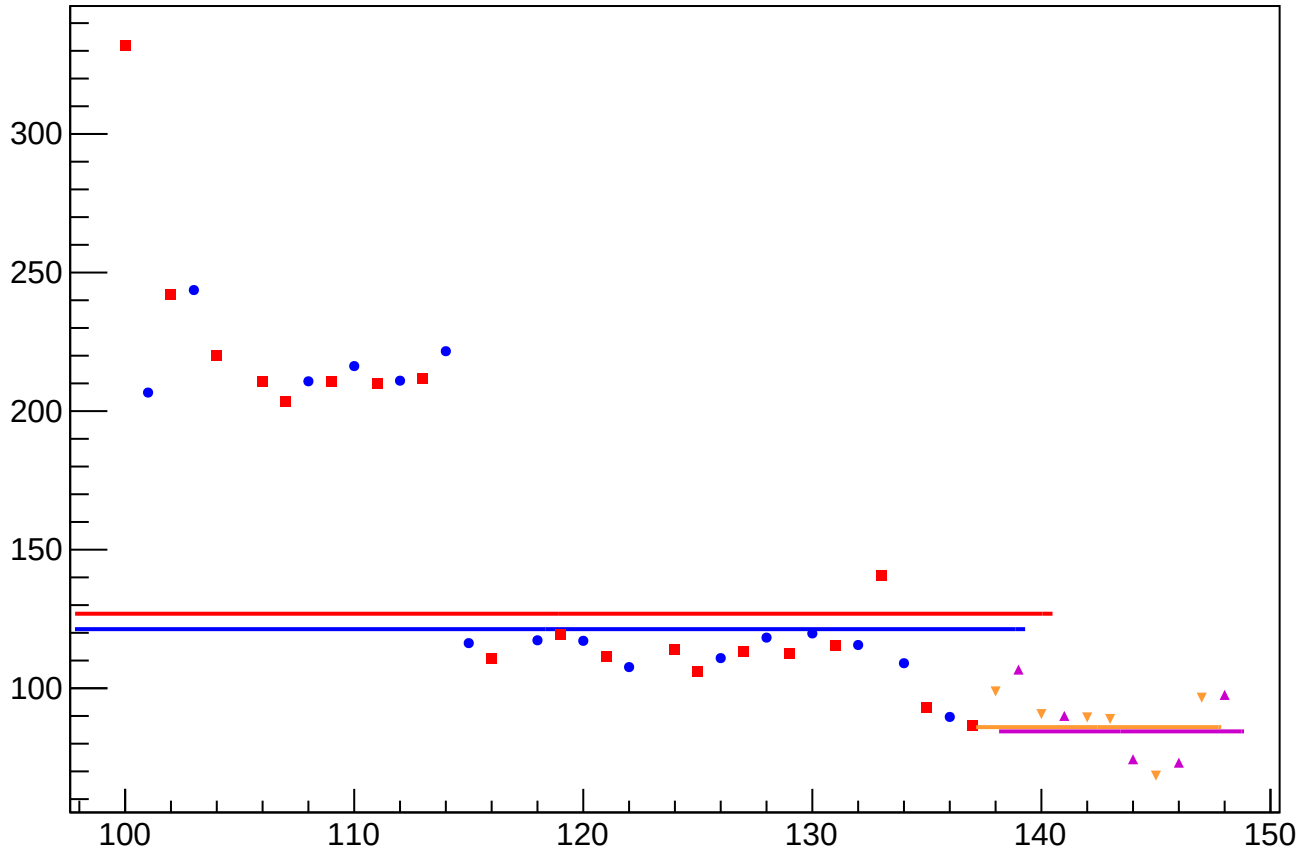
Left: 83.459+/-29.131 χ^2/NDF: 8.2/10

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 89.436+/-31.183 χ^2/NDF:17.7/20

Out: 78.846+/-31.596 χ^2/NDF:20.2/24

All: 84.211+/-22.194 χ^2/NDF: 37.9/45



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

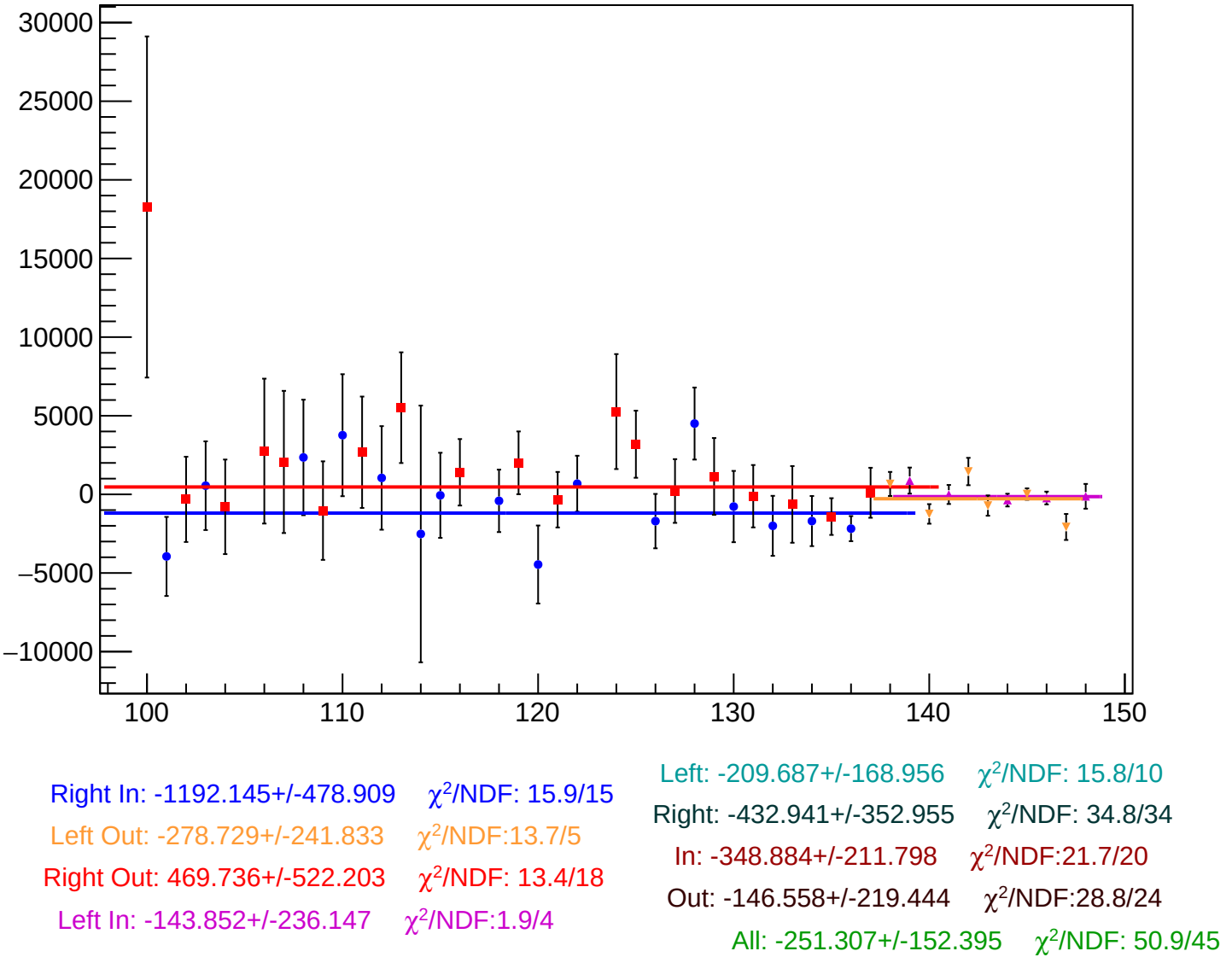
Left: 85.205+/-0.021 χ^2/NDF: 340083.2/10

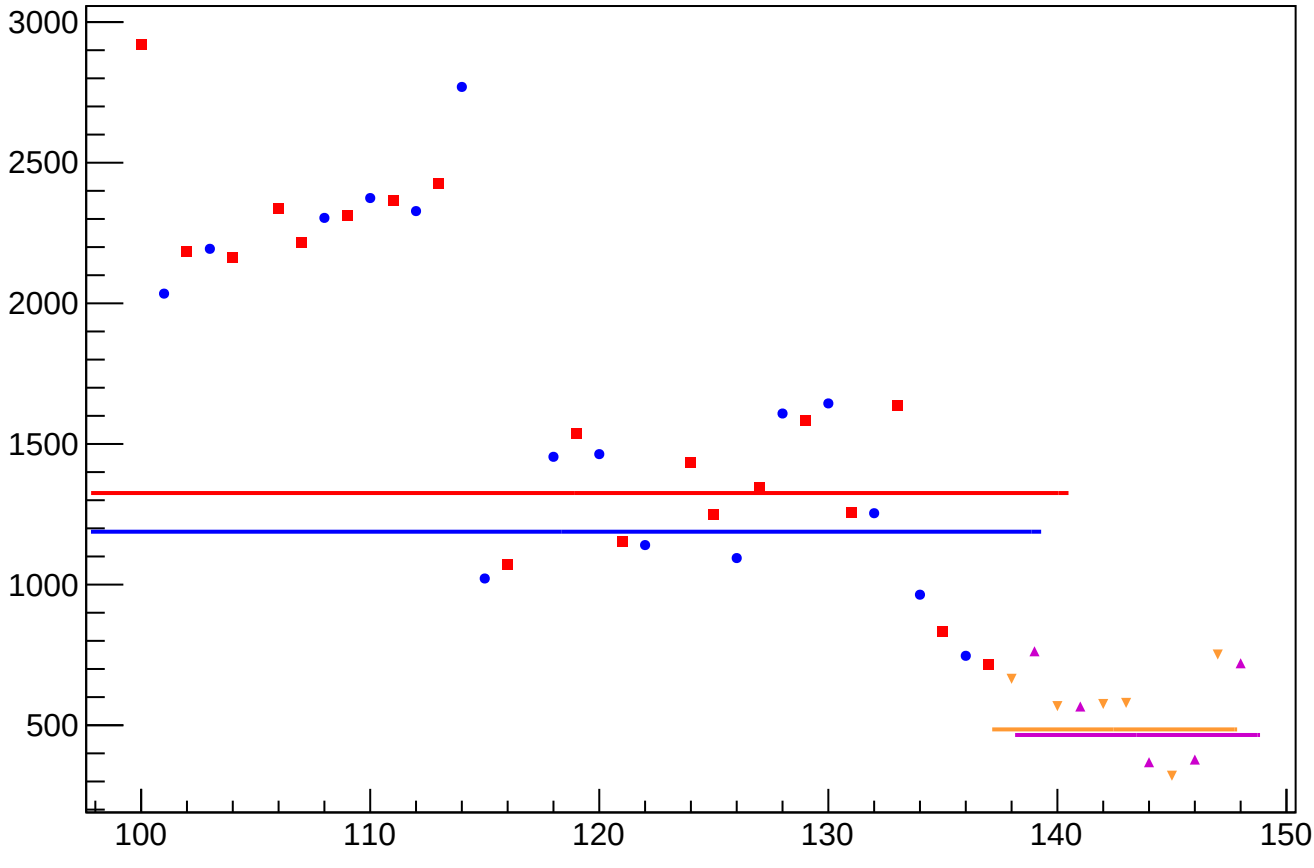
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.249+/-0.022 χ^2/NDF:2155380.9/20

Out: 102.757+/-0.022 χ^2/NDF:2432738.7/24

All: 101.486+/-0.016 χ^2/NDF: 4594500.6/45


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -278.729+/-241.833 χ²/NDF:13.7/5
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -143.852+/-236.147 χ²/NDF:1.9/4
Left: -209.687+/-168.956 χ²/NDF: 15.8/10
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -348.884+/-211.798 χ²/NDF:21.7/20
Out: -146.558+/-219.444 χ²/NDF:28.8/24
All: -251.307+/-152.395 χ²/NDF: 50.9/45



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 485.178+/-0.171 χ^2/NDF:830876.2/5

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

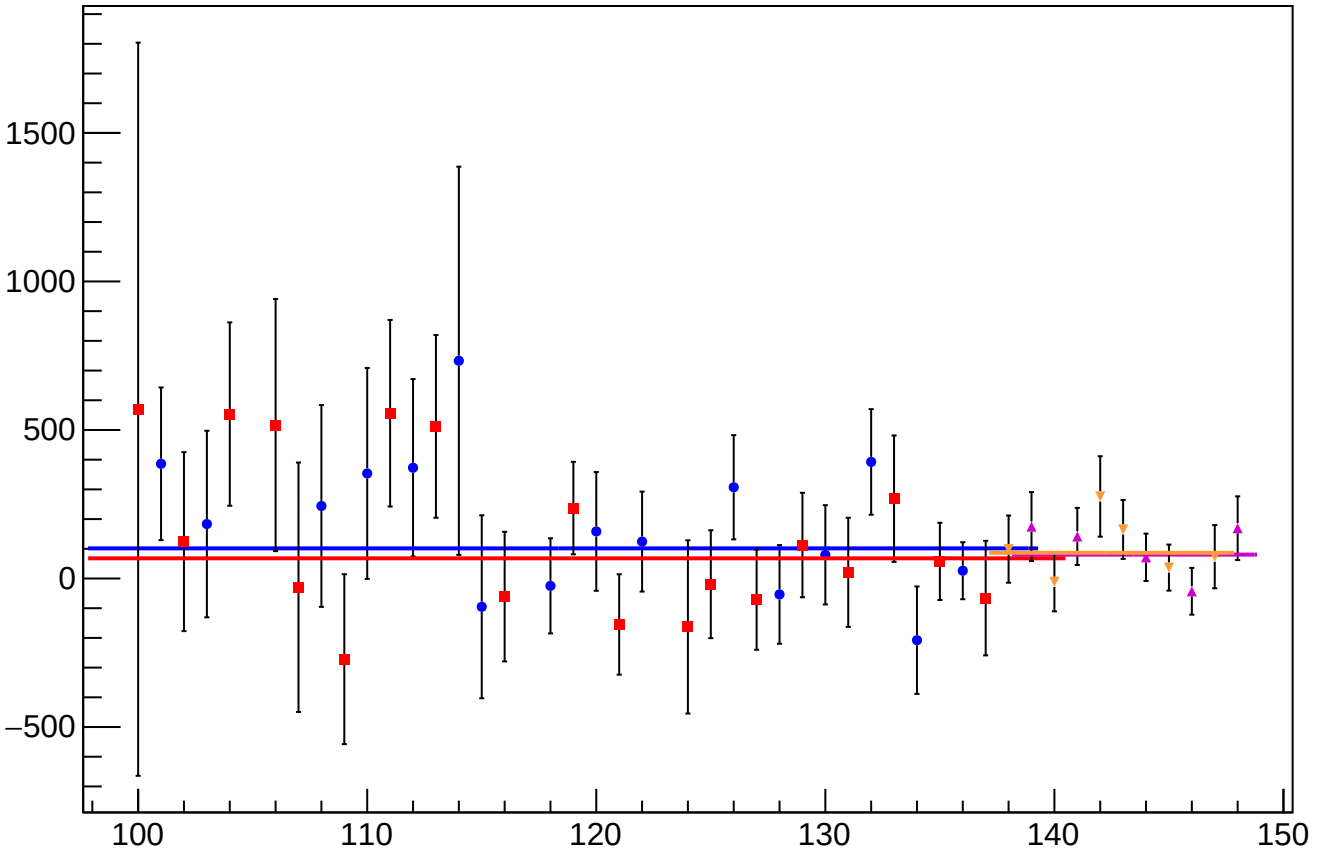
Left: 475.027+/-0.119 χ^2/NDF: 1566799.9/10

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 606.703+/-0.150 χ^2/NDF:6437619.0/20

Out: 633.582+/-0.155 χ^2/NDF:7016921.1/24

All: 619.666+/-0.108 χ^2/NDF: 13470074.8/45



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 86.473+/-41.143 χ^2/NDF:4.0/5

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 80.428+/-41.252 χ^2/NDF:4.2/4

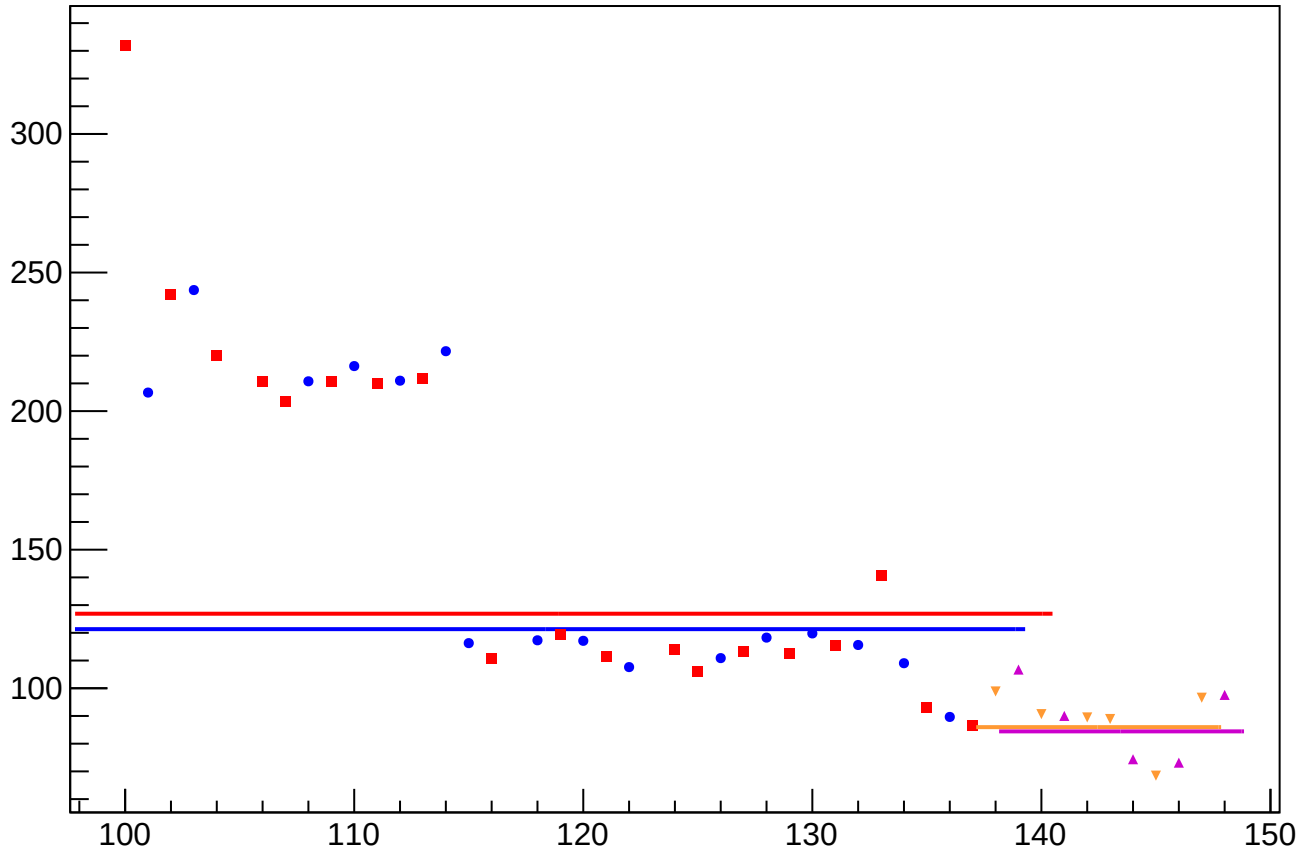
Left: 83.459+/-29.131 χ^2/NDF: 8.2/10

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 89.436+/-31.183 χ^2/NDF:17.7/20

Out: 78.846+/-31.596 χ^2/NDF:20.2/24

All: 84.211+/-22.194 χ^2/NDF: 37.9/45



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

Left: 85.205+/-0.021 χ^2/NDF: 340083.2/10

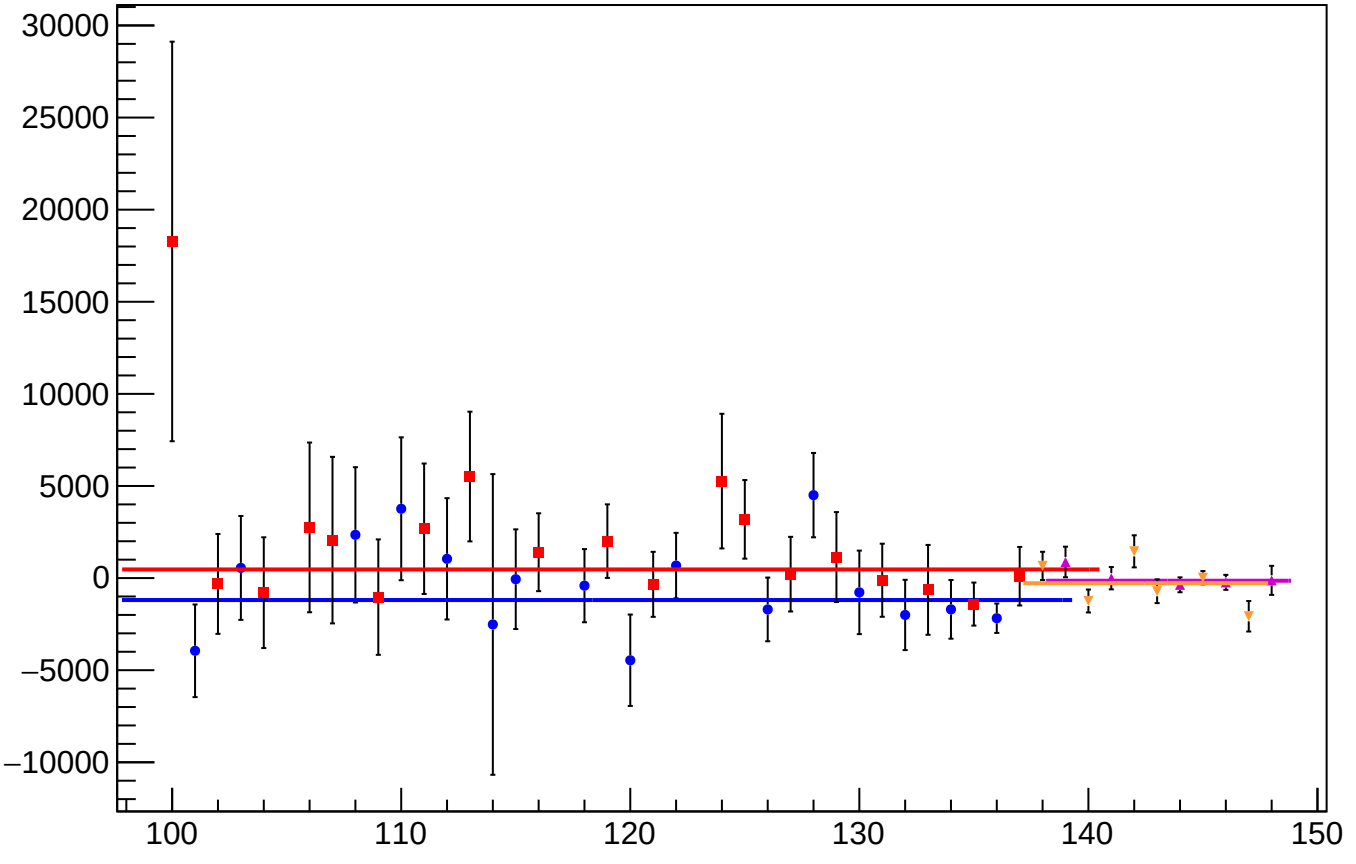
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.249+/-0.022 χ^2/NDF:2155380.9/20

Out: 102.757+/-0.022 χ^2/NDF:2432738.7/24

All: 101.486+/-0.016 χ^2/NDF: 4594500.6/45

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: -278.729+/-241.833 χ^2/NDF:13.7/5

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -143.852+/-236.147 χ^2/NDF:1.9/4

Left: -209.687+/-168.956 χ^2/NDF: 15.8/10

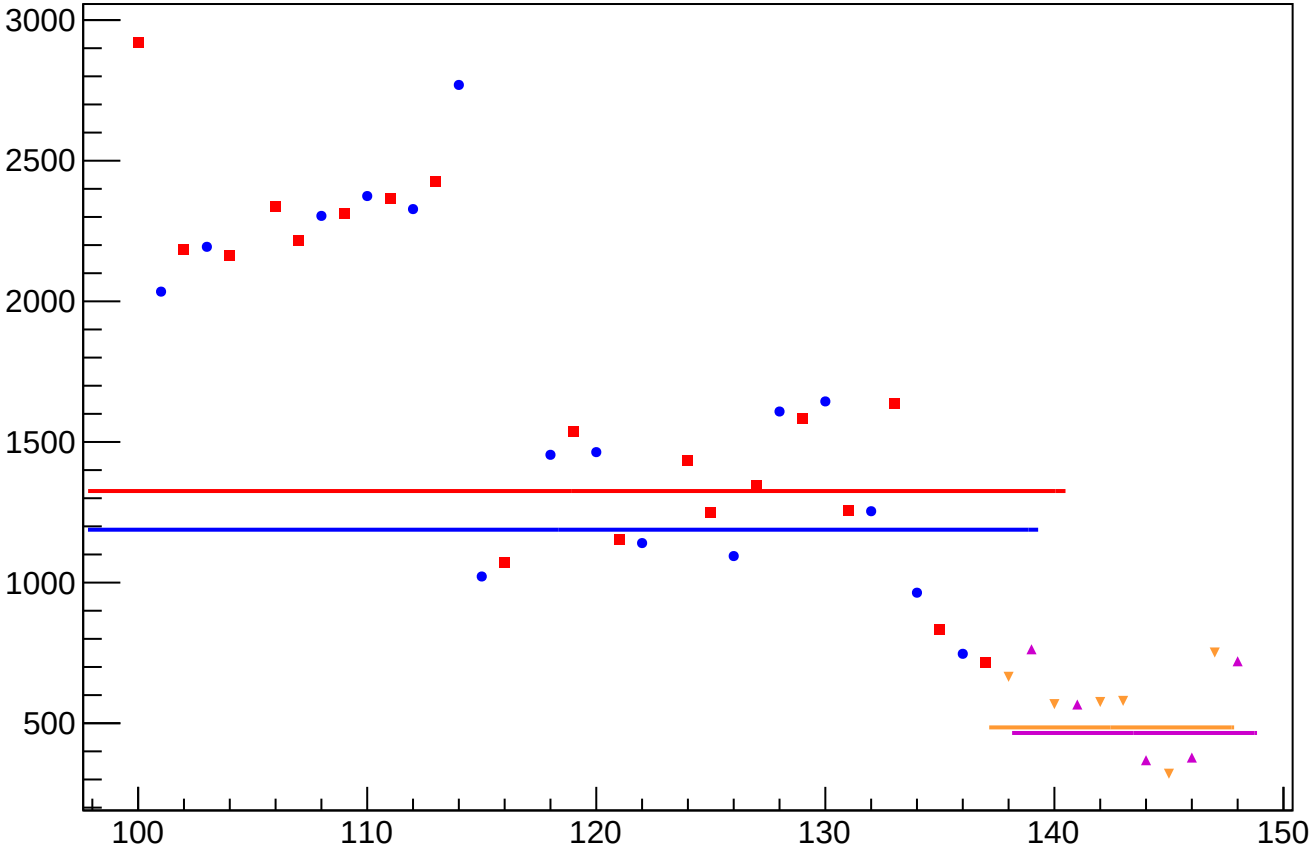
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -348.884+/-211.798 χ^2/NDF:21.7/20

Out: -146.558+/-219.444 χ^2/NDF:28.8/24

All: -251.307+/-152.395 χ^2/NDF: 50.9/45

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: 485.178+/-0.171 χ^2/NDF:830876.2/5

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

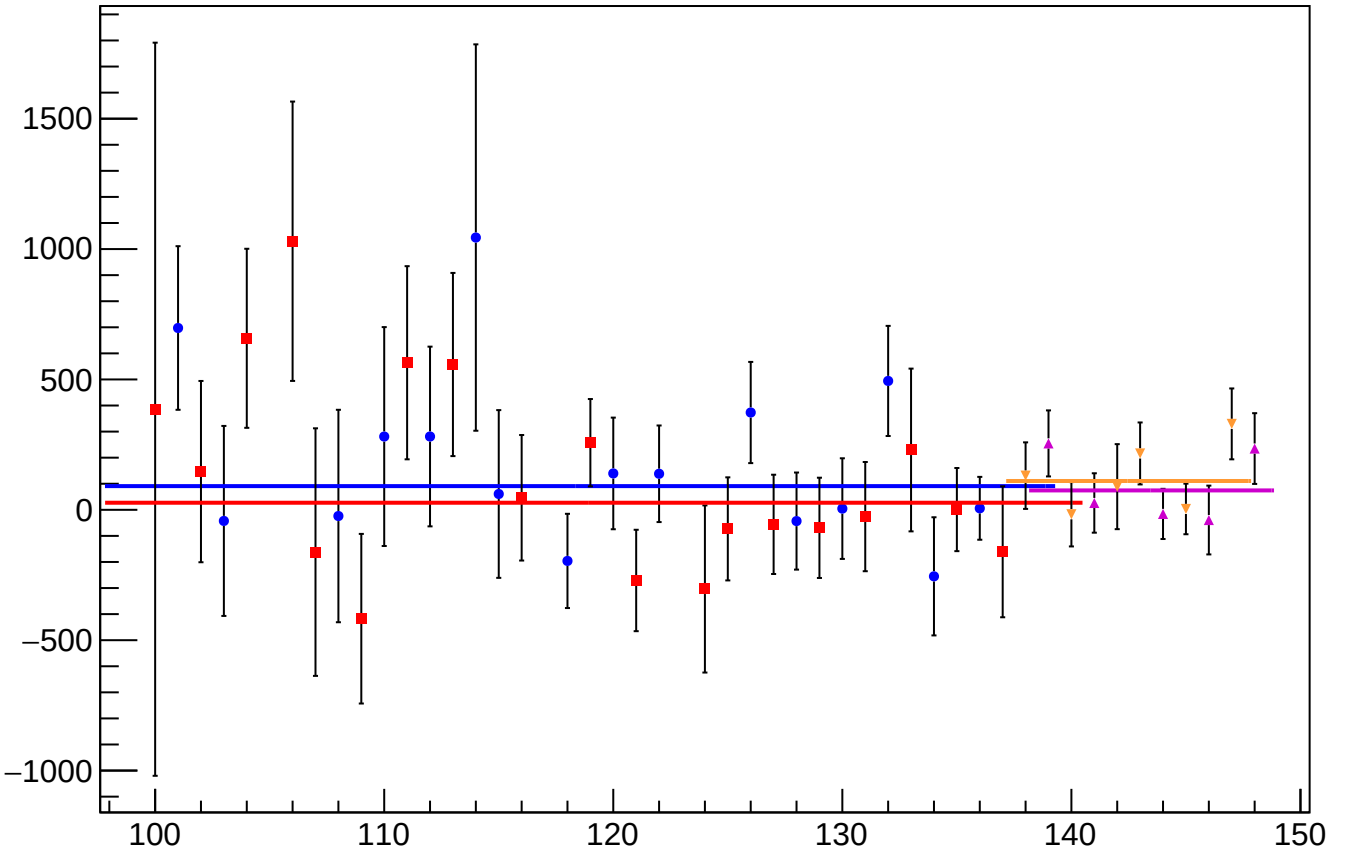
Left: 475.027+/-0.119 χ^2/NDF: 1566799.9/10

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 606.703+/-0.150 χ^2/NDF:6437619.0/20

Out: 633.582+/-0.155 χ^2/NDF:7016921.1/24

All: 619.666+/-0.108 χ^2/NDF: 13470074.8/45



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 110.553+/-50.253 χ^2/NDF:5.7/5

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 74.400+/-52.758 χ^2/NDF:5.2/4

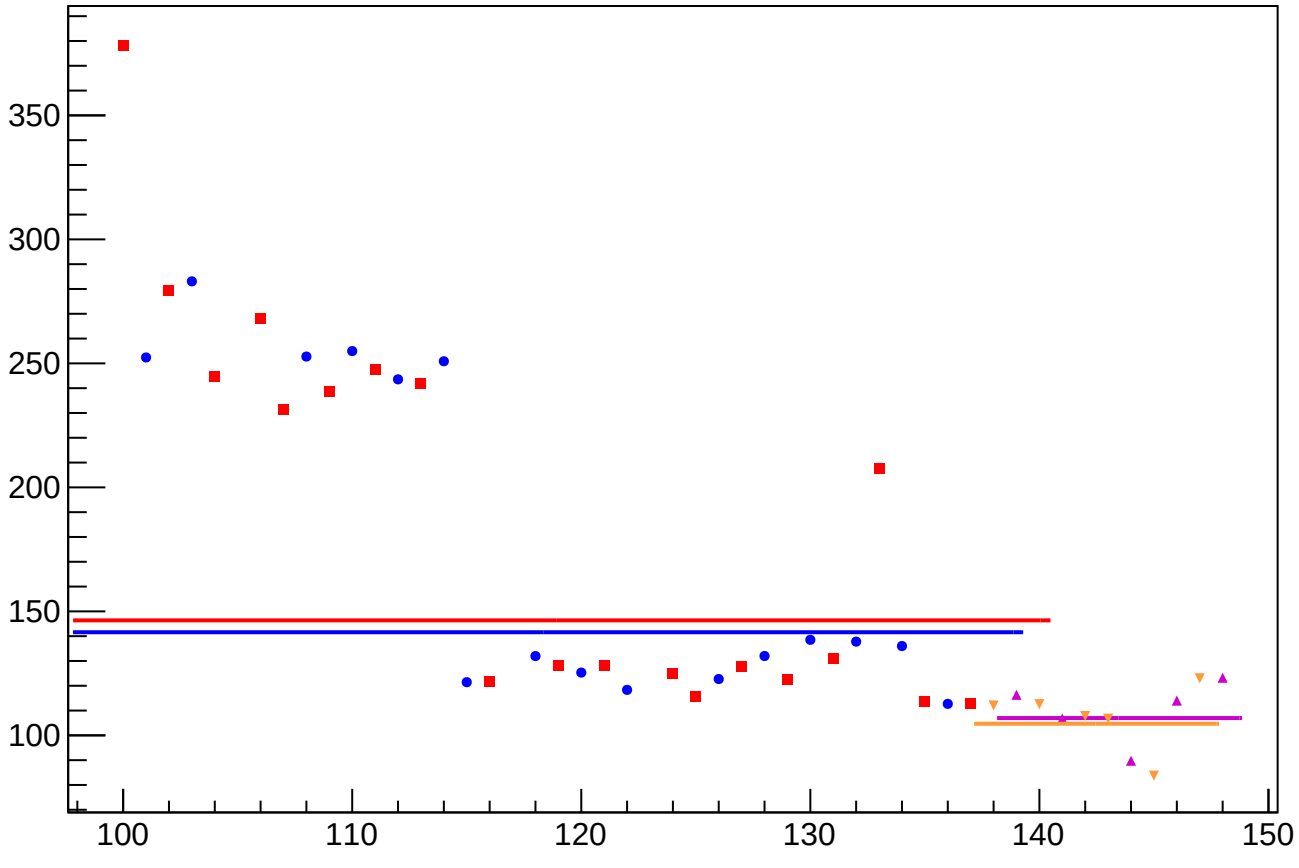
Left: 93.355+/-36.387 χ^2/NDF: 11.2/10

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 82.227+/-38.259 χ^2/NDF:23.3/20

Out: 74.097+/-37.699 χ^2/NDF:27.5/24

All: 78.102+/-26.853 χ^2/NDF: 50.8/45



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 104.692+/-0.036 χ^2/NDF:145734.0/5

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 106.985+/-0.037 χ^2/NDF:109316.5/4

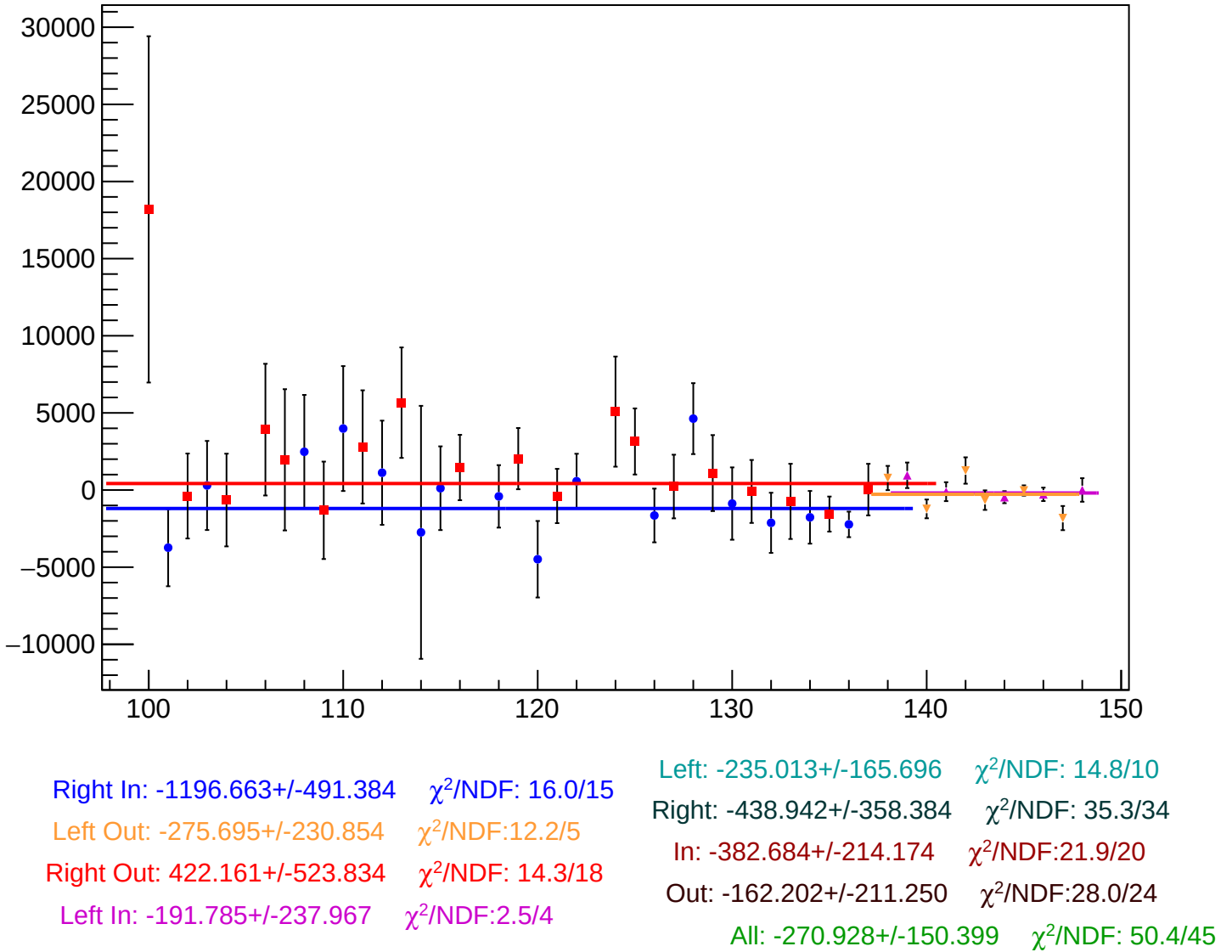
Left: 105.783+/-0.026 χ^2/NDF: 257031.9/10

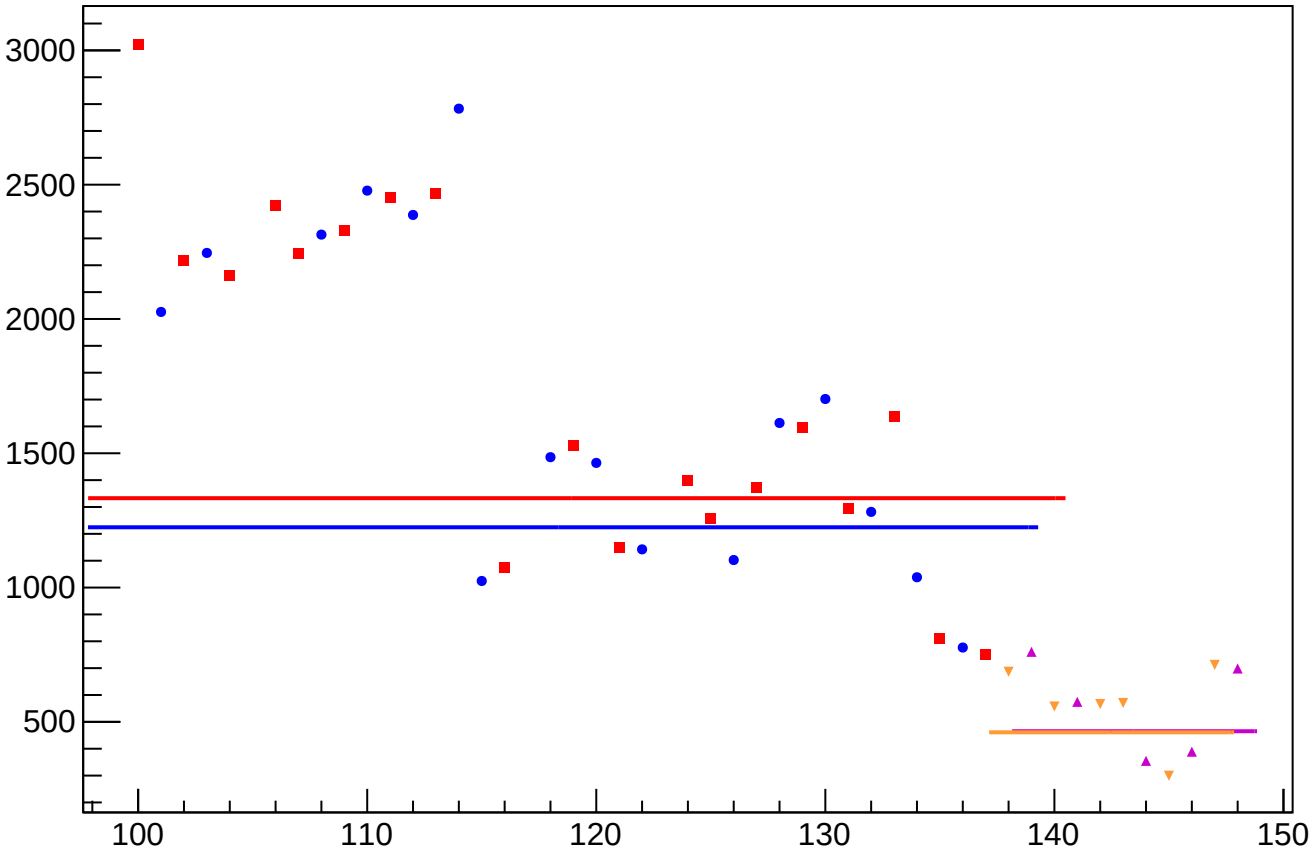
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 123.390+/-0.027 χ^2/NDF:1779536.8/20

Out: 122.913+/-0.027 χ^2/NDF:2260810.5/24

All: 123.148+/-0.019 χ^2/NDF: 4040504.9/45


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -275.695+/-230.854 χ²/NDF:12.2/5
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -191.785+/-237.967 χ²/NDF:2.5/4
Left: -235.013+/-165.696 χ²/NDF: 14.8/10
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -382.684+/-214.174 χ²/NDF:21.9/20
Out: -162.202+/-211.250 χ²/NDF:28.0/24
All: -270.928+/-150.399 χ²/NDF: 50.4/45



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 461.078+/-0.163 χ^2/NDF:977869.5/5

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 465.151+/-0.168 χ^2/NDF:726767.8/4

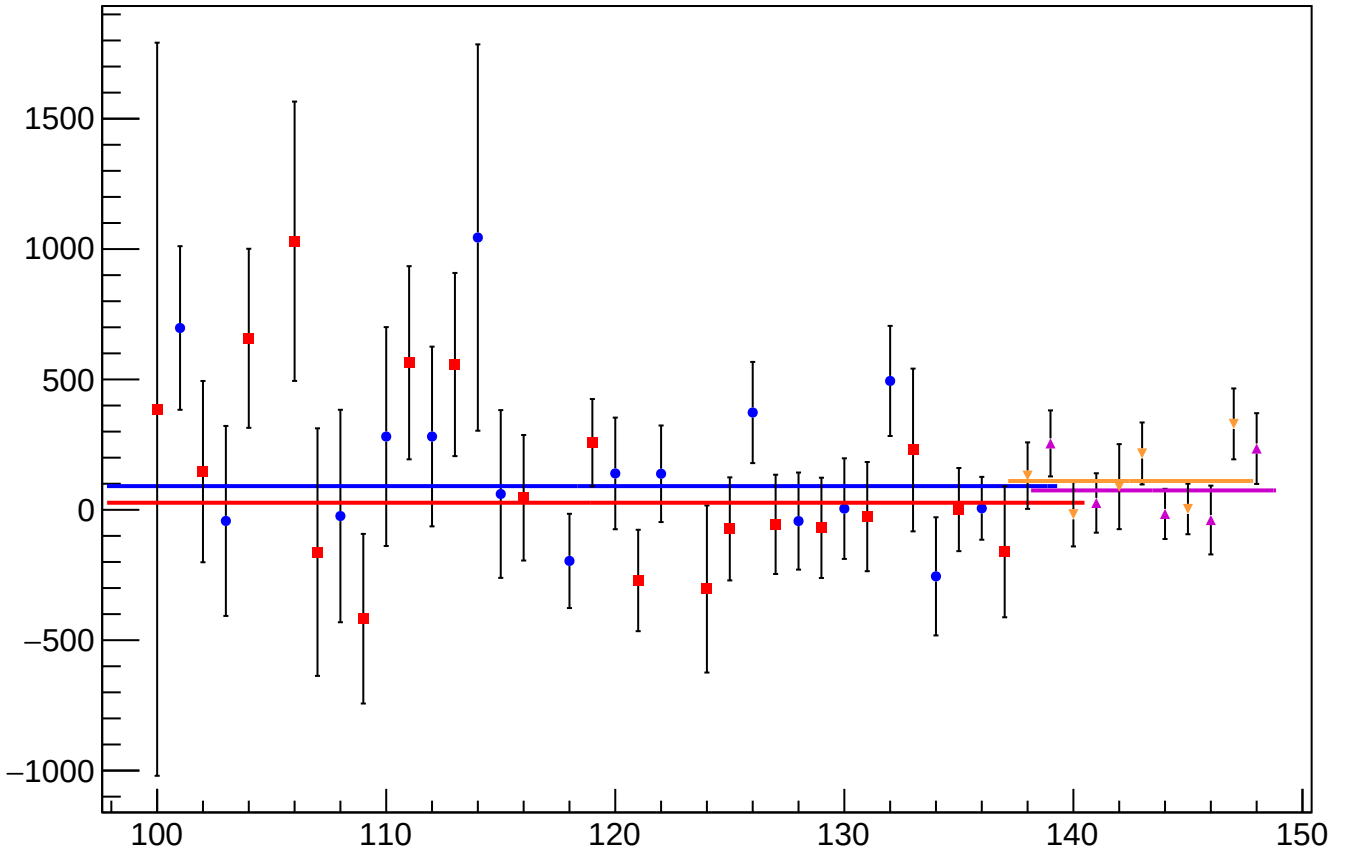
Left: 463.053+/-0.117 χ^2/NDF: 1704939.1/10

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 609.401+/-0.151 χ^2/NDF:6554573.5/20

Out: 602.846+/-0.149 χ^2/NDF:7610347.1/24

All: 606.078+/-0.106 χ^2/NDF: 14165870.2/45



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 110.551+/-50.253 χ^2/NDF:5.7/5

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 74.399+/-52.758 χ^2/NDF:5.2/4

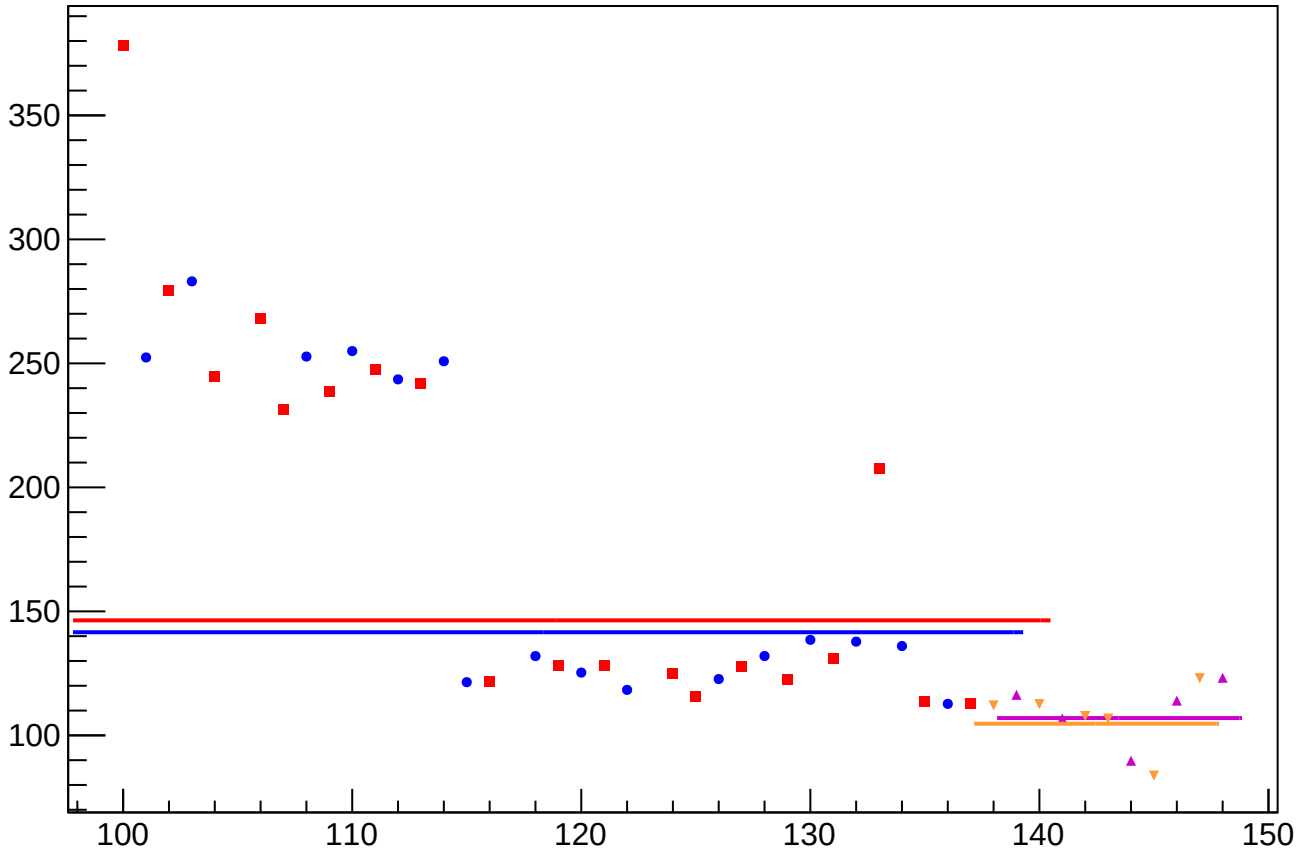
Left: 93.354+/-36.388 χ^2/NDF: 11.2/10

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 82.227+/-38.259 χ^2/NDF:23.3/20

Out: 74.096+/-37.699 χ^2/NDF:27.5/24

All: 78.102+/-26.853 χ^2/NDF: 50.8/45



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 104.693+/-0.036 χ^2/NDF:145724.9/5

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 106.986+/-0.037 χ^2/NDF:109313.5/4

Left: 105.784+/-0.026 χ^2/NDF: 257019.8/10

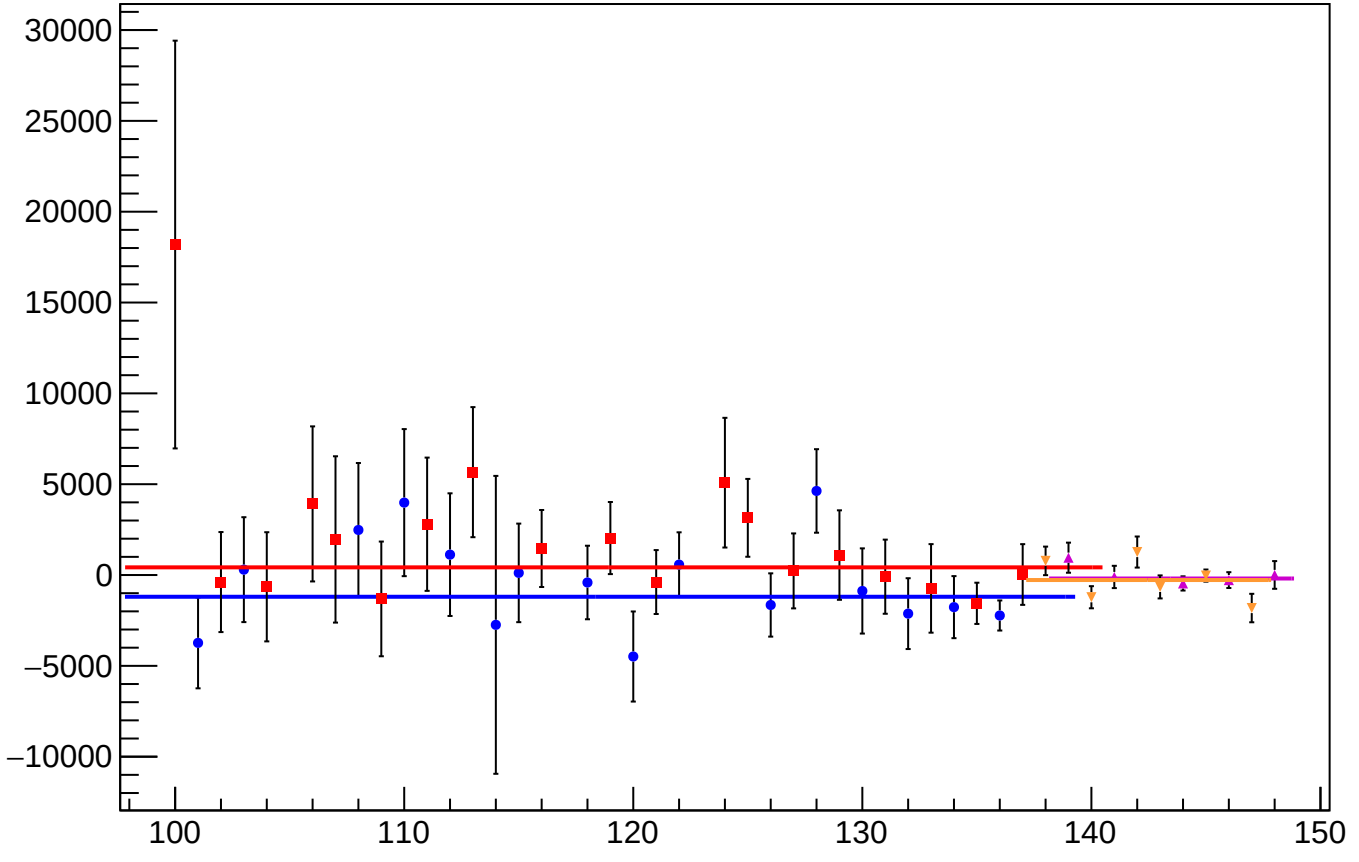
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 123.390+/-0.027 χ^2/NDF:1779489.2/20

Out: 122.913+/-0.027 χ^2/NDF:2260760.7/24

All: 123.148+/-0.019 χ^2/NDF: 4040407.3/45

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: -275.695+/-230.853 χ^2/NDF:12.2/5

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -191.786+/-237.966 χ^2/NDF:2.5/4

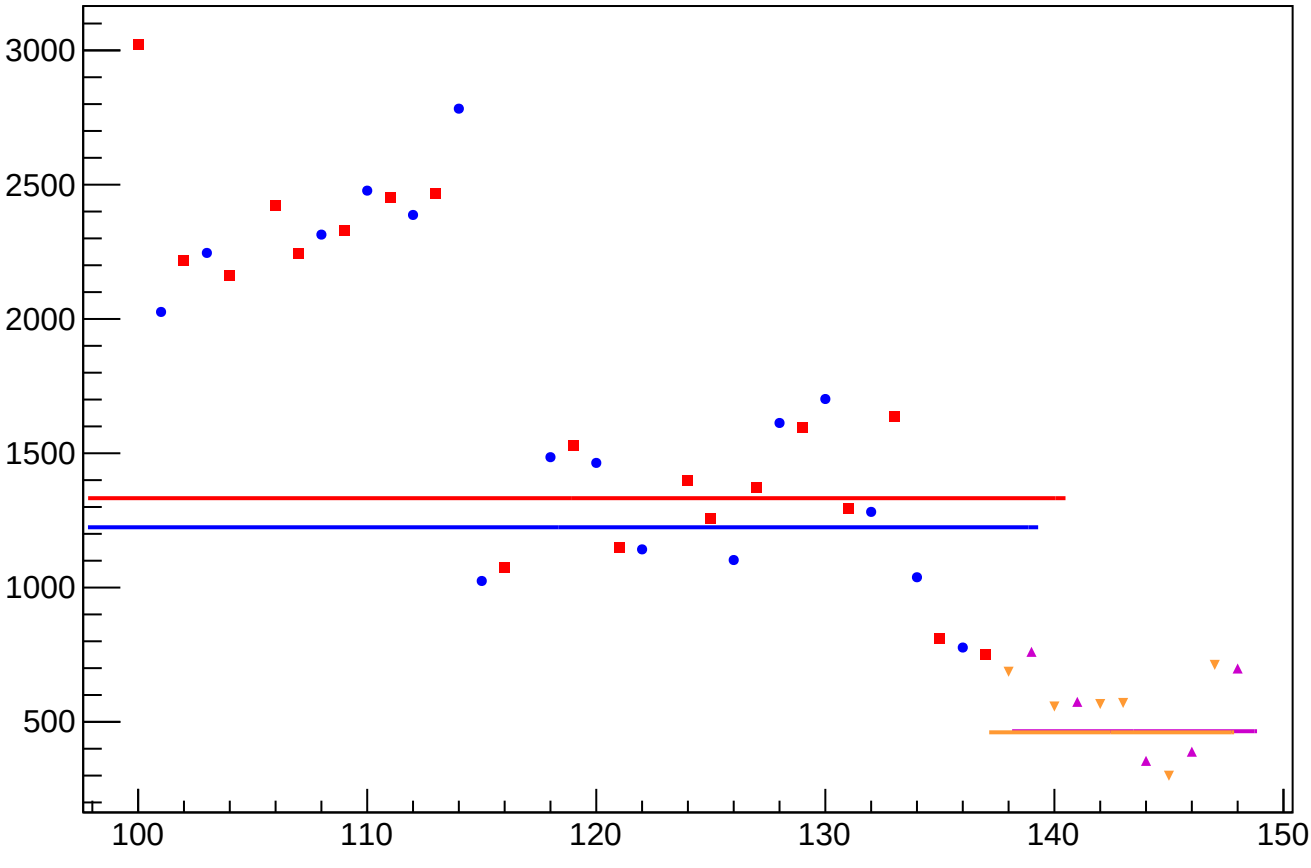
Left: -235.013+/-165.695 χ^2/NDF: 14.8/10

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -382.683+/-214.173 χ^2/NDF:21.9/20

Out: -162.202+/-211.249 χ^2/NDF:28.0/24

All: -270.927+/-150.399 χ^2/NDF: 50.4/45



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 461.076+/-0.163 χ^2/NDF:977893.0/5

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 465.150+/-0.168 χ^2/NDF:726772.7/4

Left: 463.051+/-0.117 χ^2/NDF: 1704967.6/10

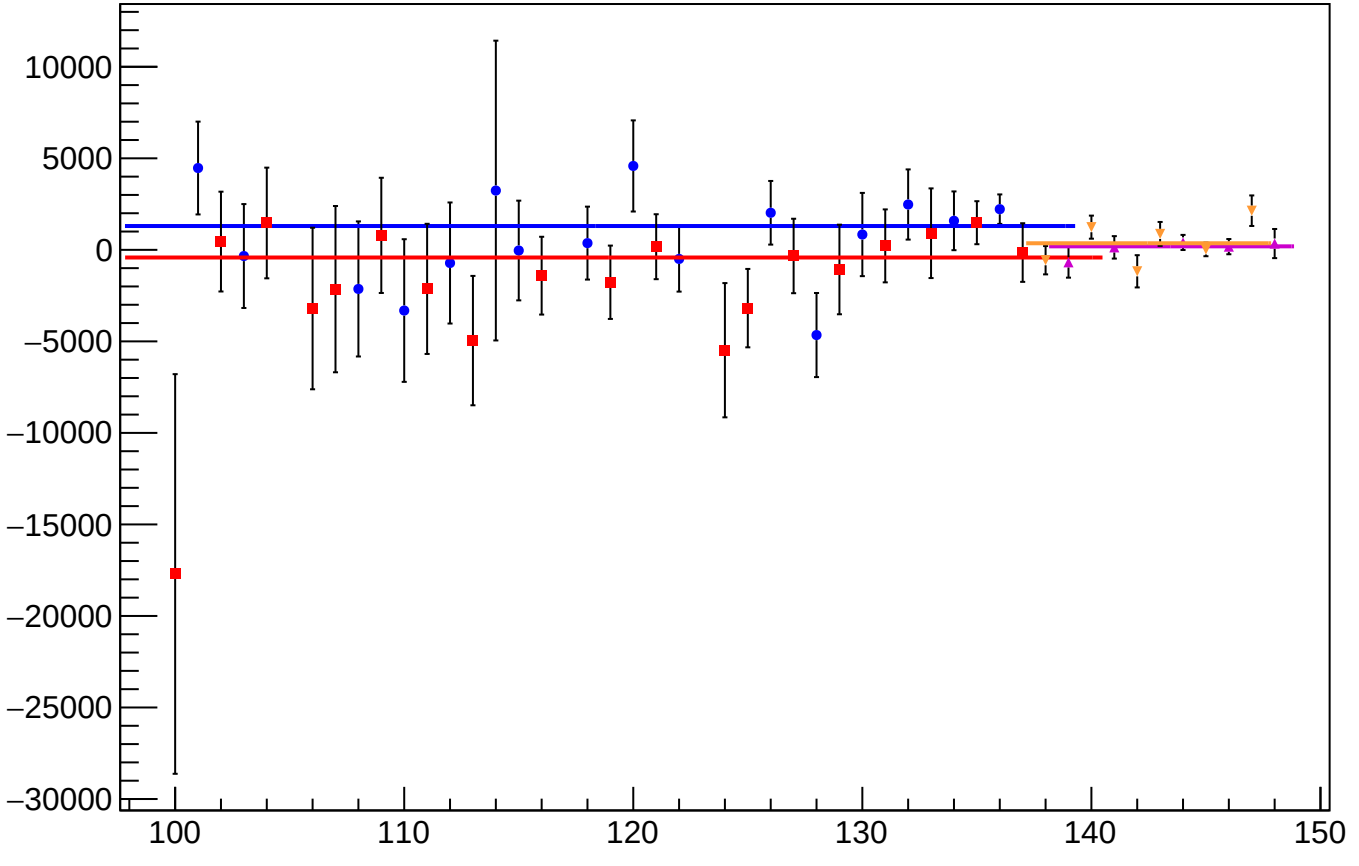
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 609.399+/-0.151 χ^2/NDF:6554578.1/20

Out: 602.842+/-0.149 χ^2/NDF:7610389.9/24

All: 606.076+/-0.106 χ^2/NDF: 14165918.1/45

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 359.804+/-245.987 χ^2/NDF:12.4/5

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 191.422+/-240.475 χ^2/NDF:1.4/4

Left: 273.706+/-171.957 χ^2/NDF: 14.0/10

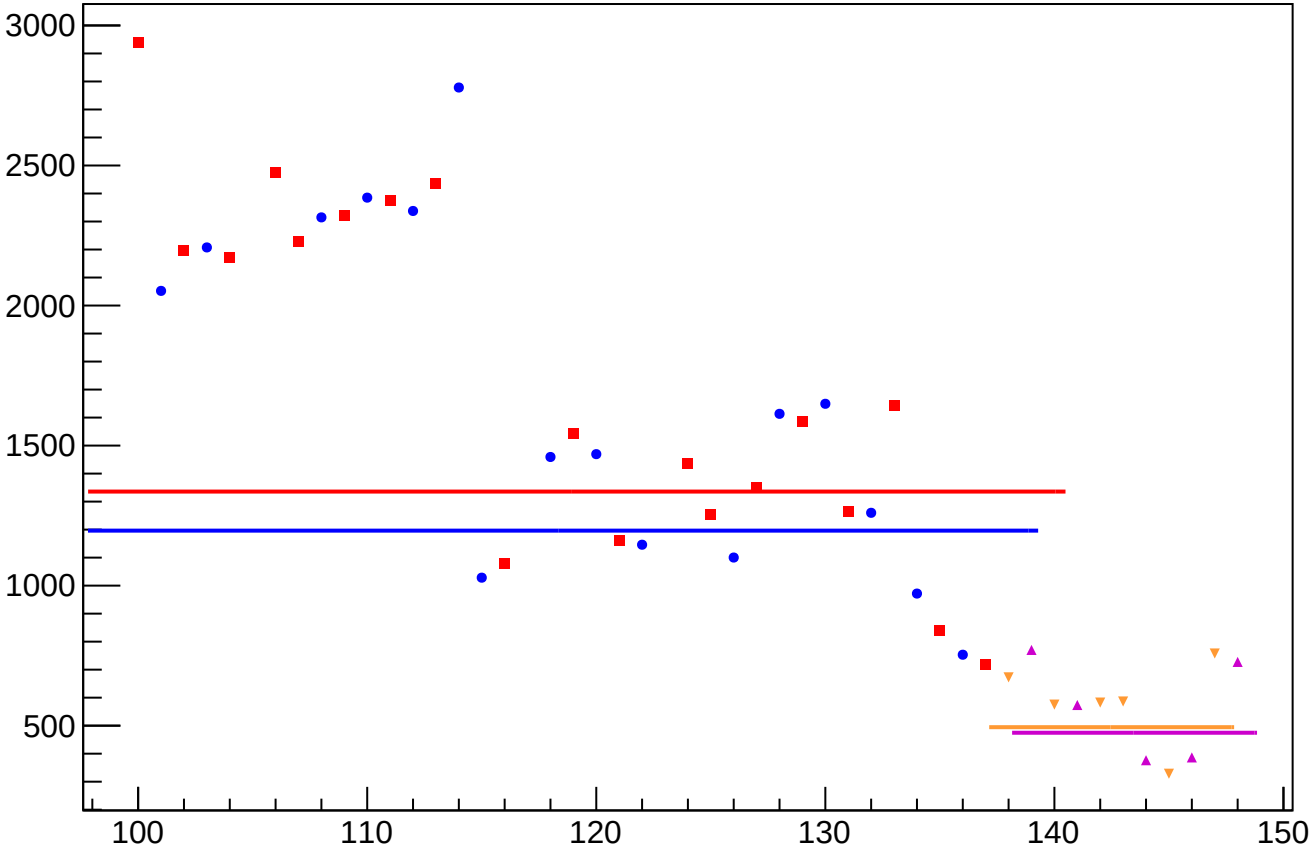
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 412.719+/-215.178 χ^2/NDF:22.1/20

Out: 219.524+/-222.711 χ^2/NDF:27.2/24

All: 319.445+/-154.748 χ^2/NDF: 49.7/45

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 494.563+/-0.174 χ^2/NDF:798104.3/5

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 474.721+/-0.170 χ^2/NDF:705419.8/4

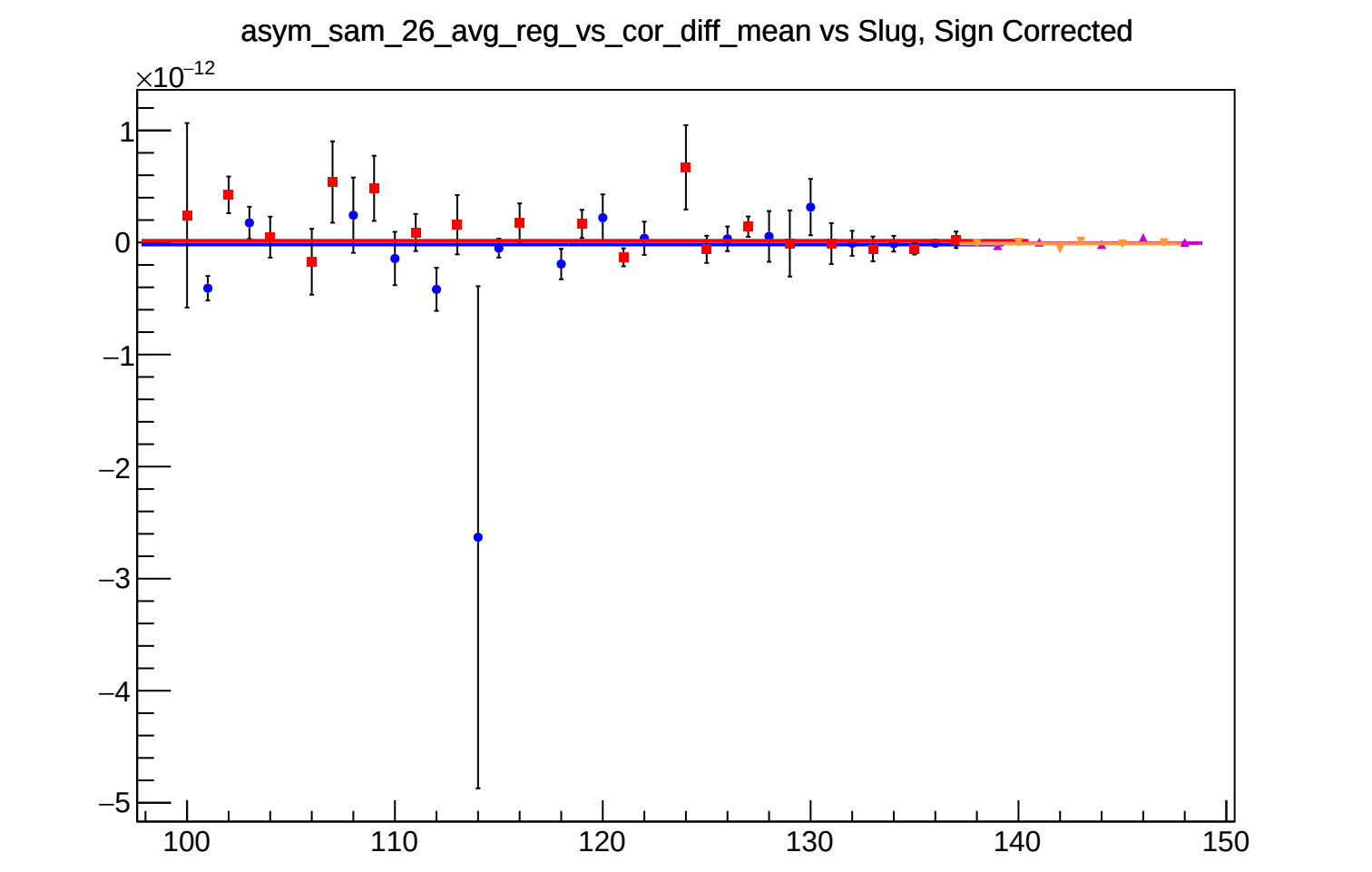
Left: 484.417+/-0.122 χ^2/NDF: 1510178.1/10

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 618.564+/-0.152 χ^2/NDF:6327137.2/20

Out: 646.230+/-0.157 χ^2/NDF:6966743.4/24

All: 631.921+/-0.109 χ^2/NDF: 13309842.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/4

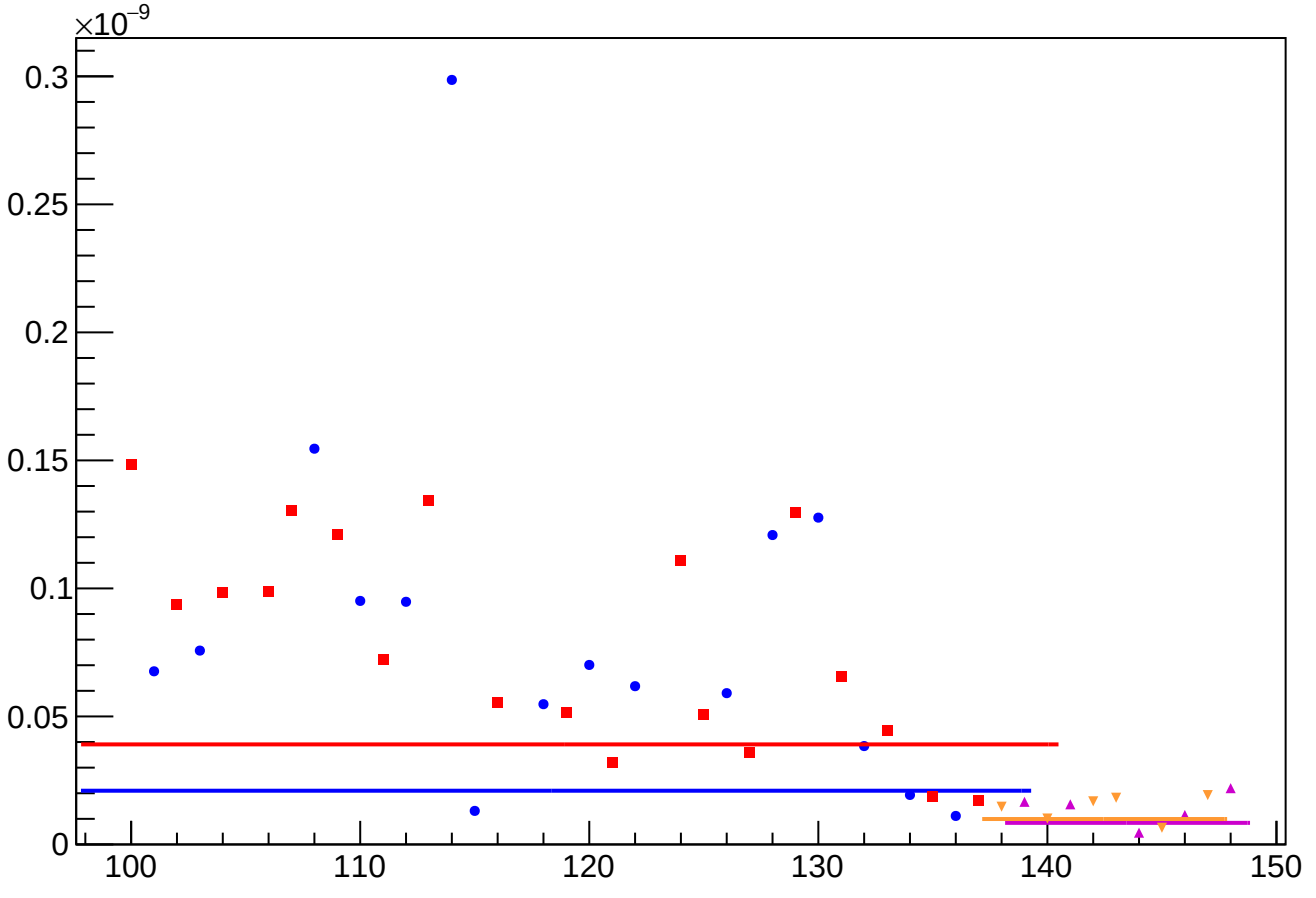
Left: -0.000+/-0.000 χ^2/NDF: 12.5/10

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:36.9/20

Out: -0.000+/-0.000 χ^2/NDF:29.1/24

All: -0.000+/-0.000 χ^2/NDF: 66.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:649019.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1008065.3/4

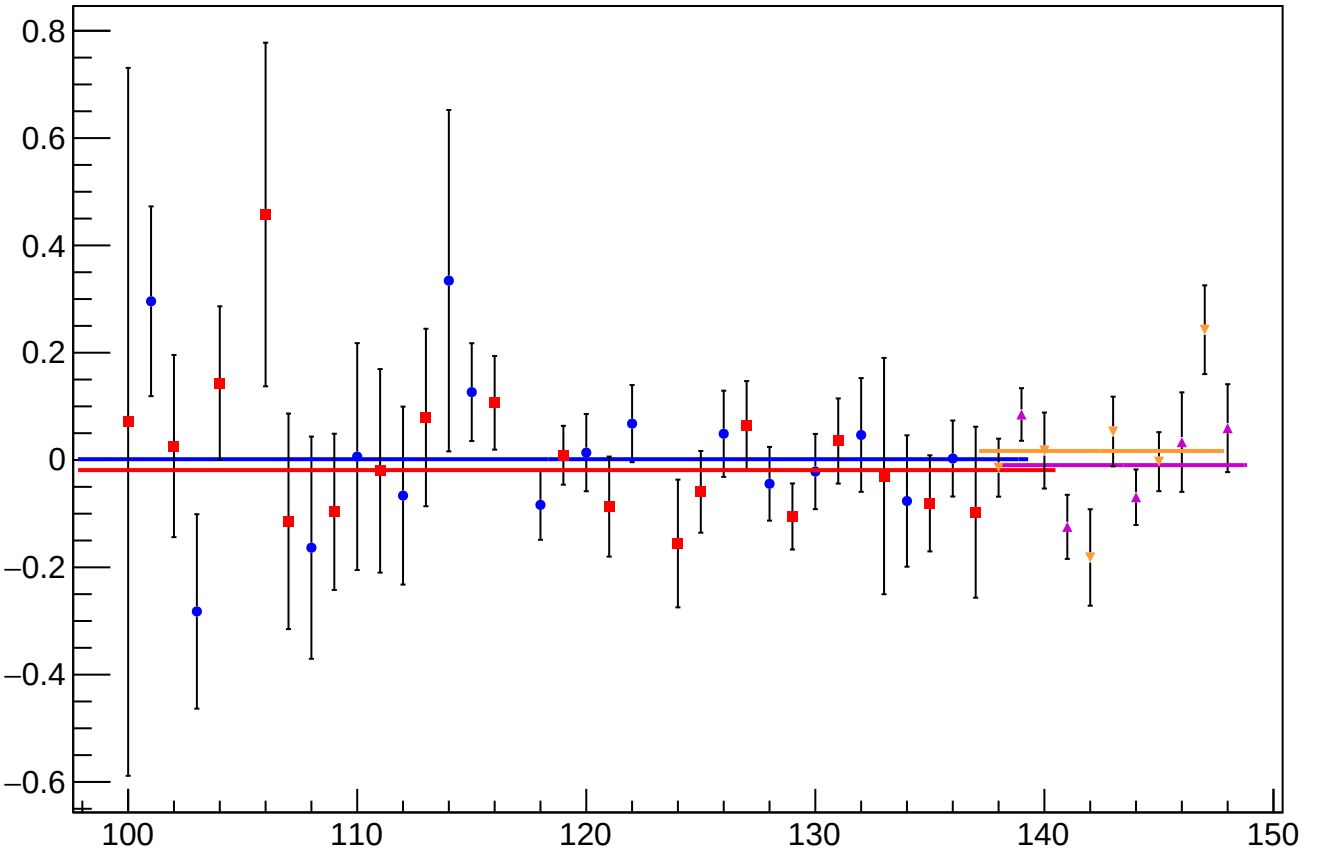
Left: 0.000+/-0.000 χ^2/NDF: 1694981.8/10

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5231737.0/20

Out: 0.000+/-0.000 χ^2/NDF:4788943.2/24

All: 0.000+/-0.000 χ^2/NDF: 10080740.6/45



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.009+/-0.027 χ^2/NDF:9.7/4

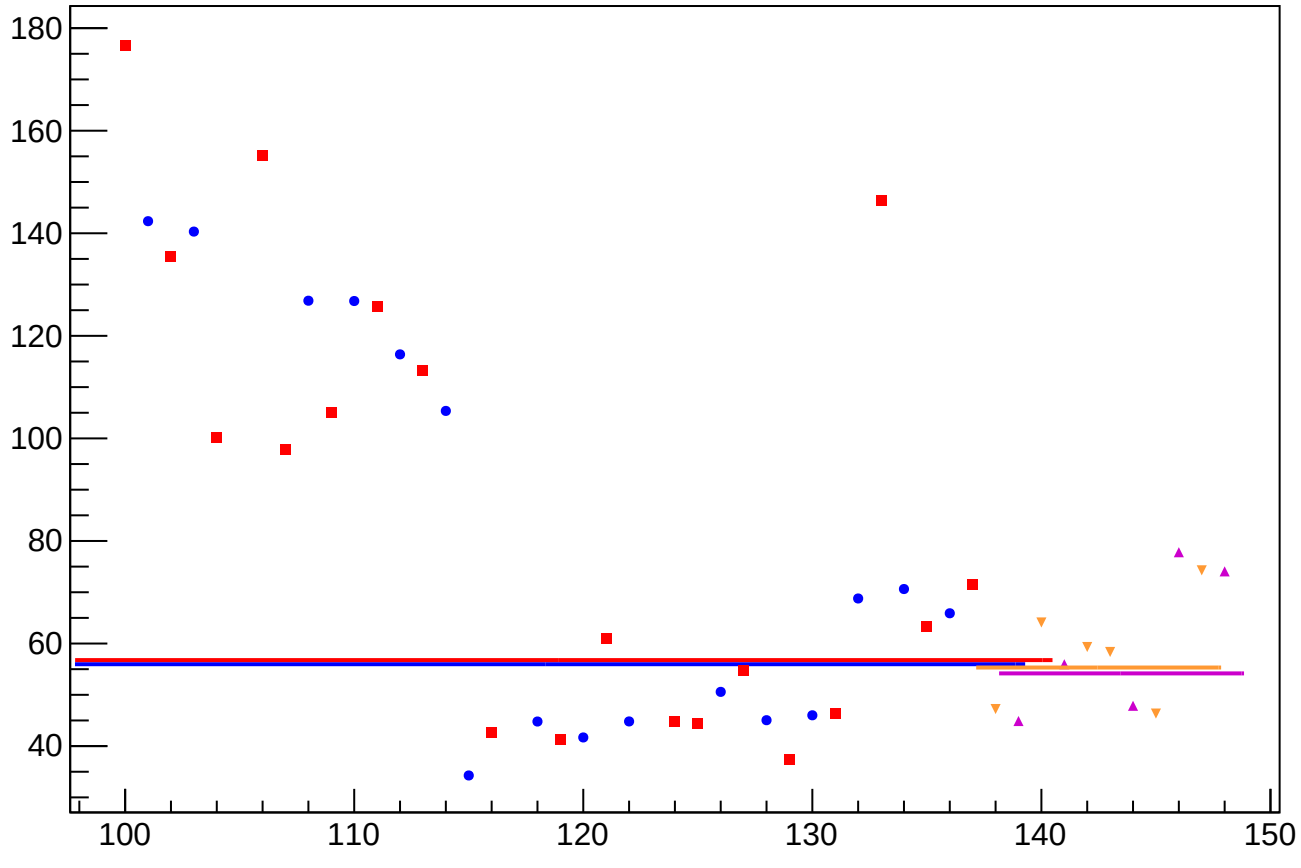
Left: 0.004+/-0.019 χ^2/NDF: 23.3/10

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.003+/-0.013 χ^2/NDF: 50.0/45



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.322+/-0.019 χ^2/NDF:242213.6/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

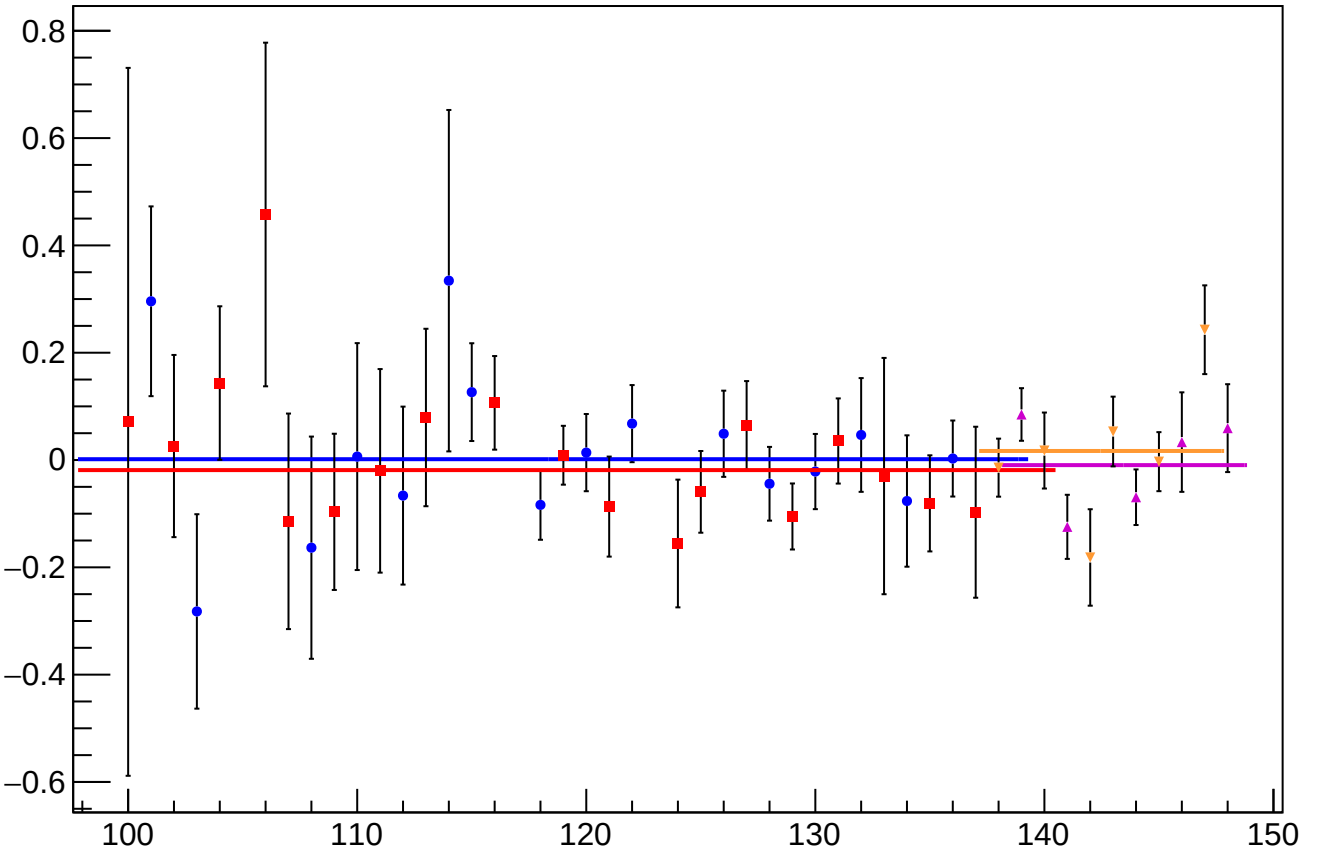
Left: 54.758+/-0.014 χ^2/NDF: 595100.5/10

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.211+/-0.013 χ^2/NDF:2535886.4/20

Out: 56.144+/-0.013 χ^2/NDF:2798720.1/24

All: 55.679+/-0.009 χ^2/NDF: 5337366.7/45



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.009+/-0.027 χ^2/NDF:9.7/4

Left: 0.004+/-0.019 χ^2/NDF: 23.3/10

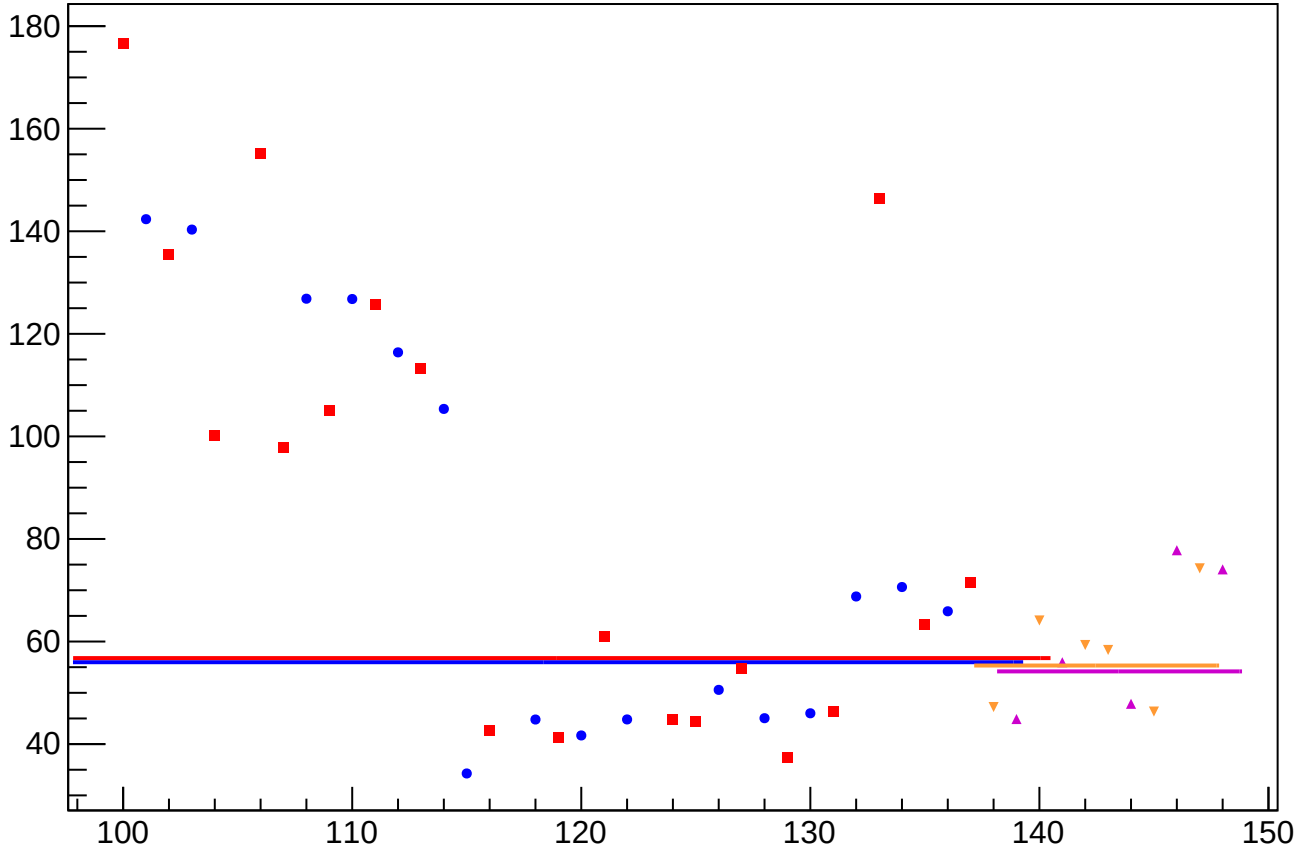
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.003+/-0.013 χ^2/NDF: 50.0/45

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.322+/-0.019 χ^2/NDF:242213.6/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

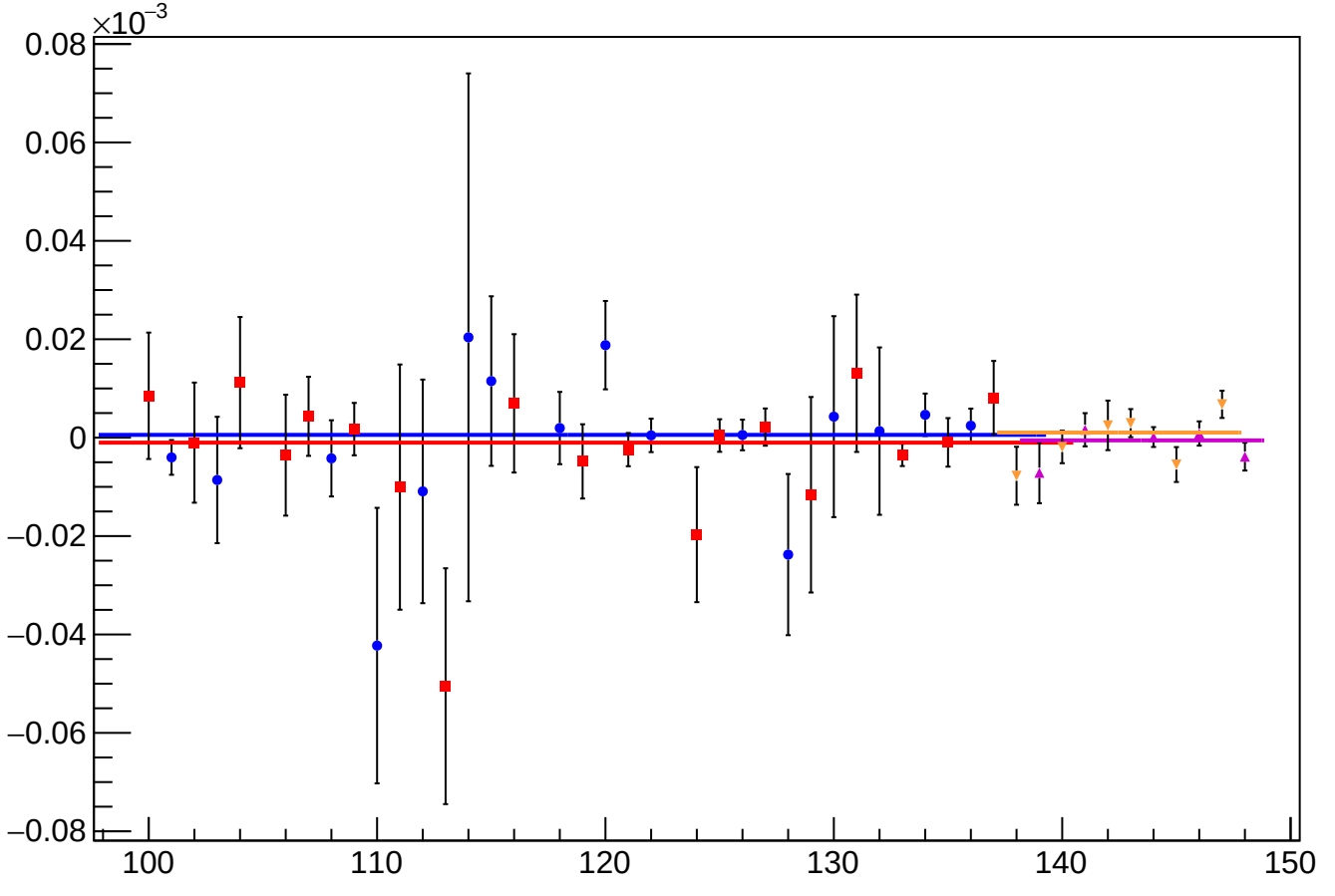
Left: 54.758+/-0.014 χ^2/NDF: 595100.5/10

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.211+/-0.013 χ^2/NDF:2535886.4/20

Out: 56.144+/-0.013 χ^2/NDF:2798720.1/24

All: 55.679+/-0.009 χ^2/NDF: 5337366.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/4

Left: 0.000+/-0.000 χ^2/NDF: 15.2/10

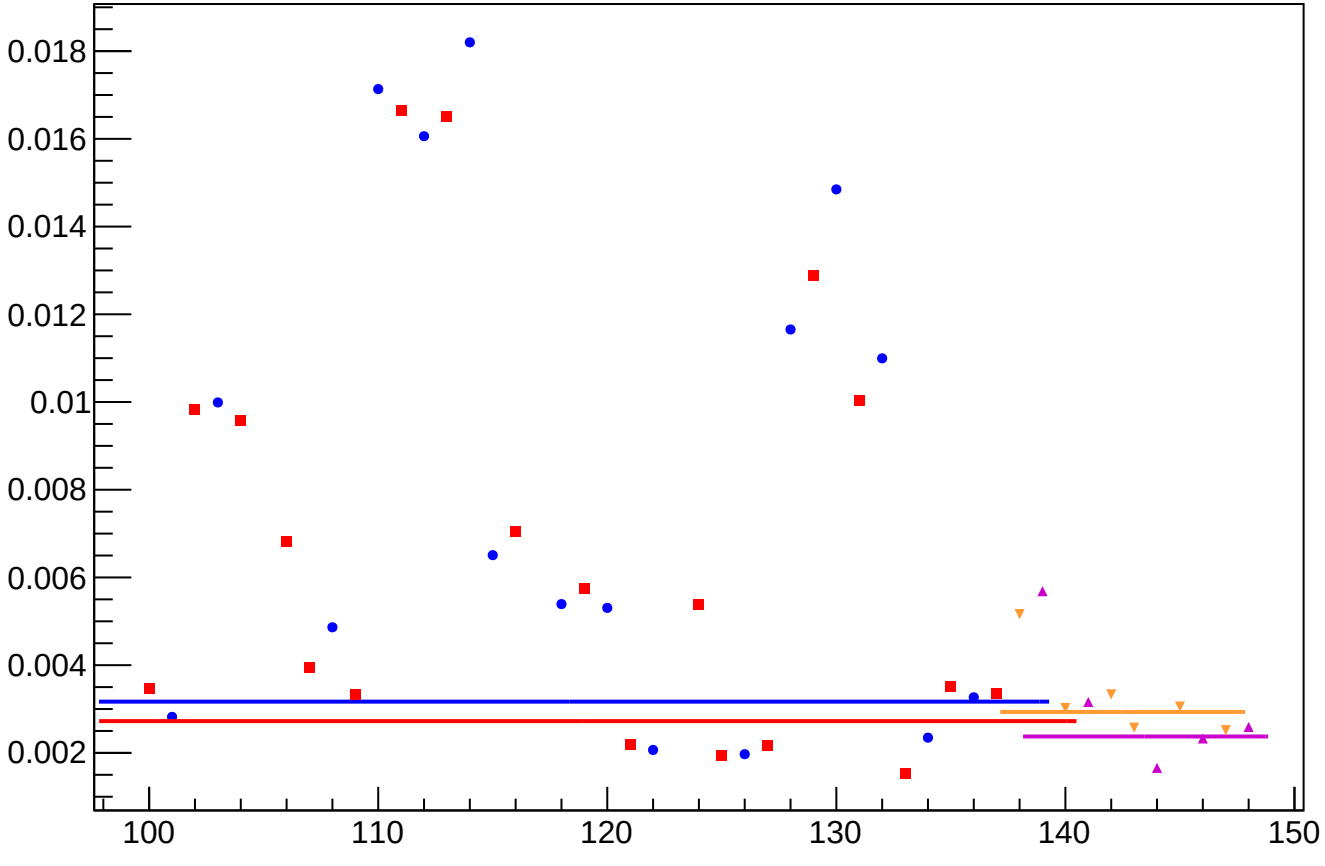
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.0/20

Out: -0.000+/-0.000 χ^2/NDF:26.1/24

All: -0.000+/-0.000 χ^2/NDF: 43.1/45

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:379420.5/5

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:947149.5/4

Left: 0.003+/-0.000 χ^2/NDF: 1502078.0/10

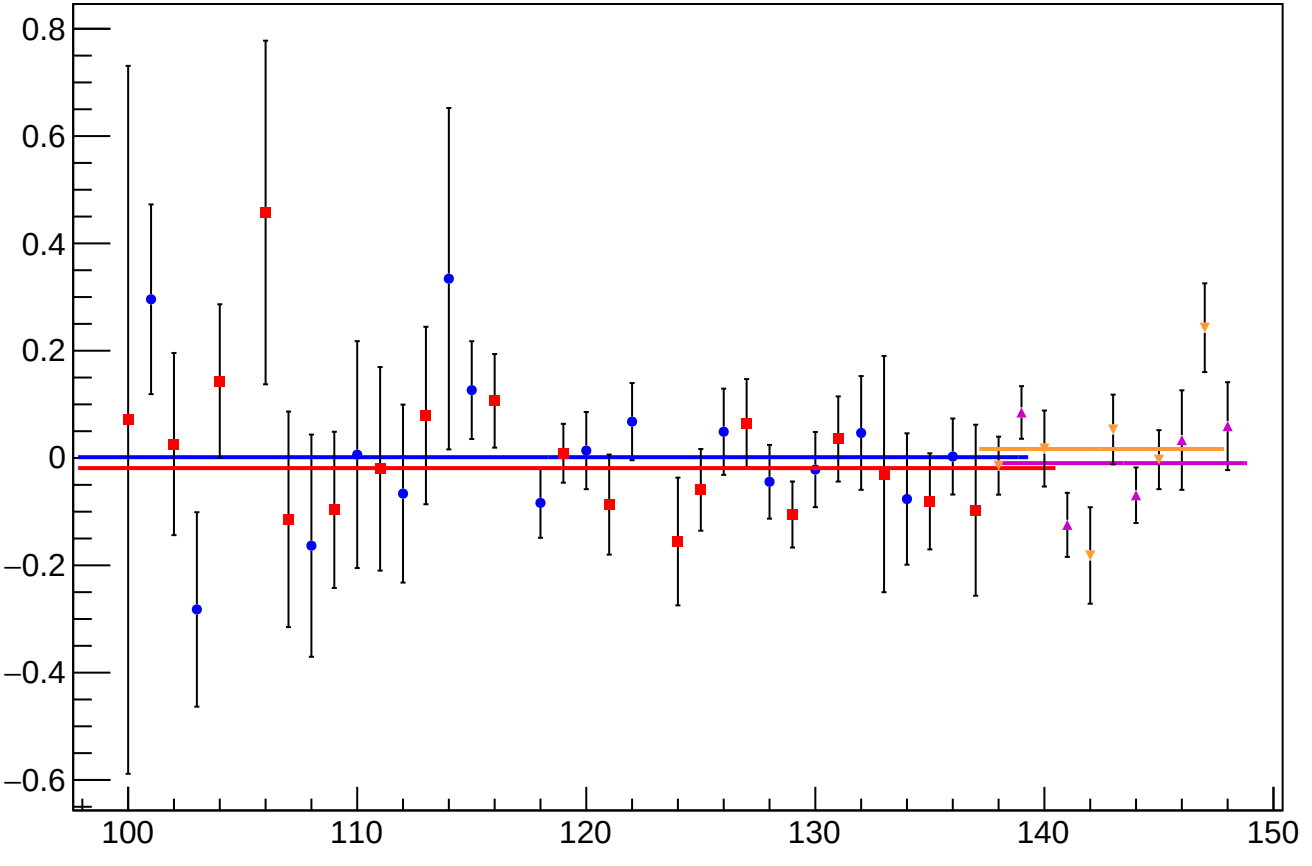
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:5840234.6/20

Out: 0.003+/-0.000 χ^2/NDF:5556532.8/24

All: 0.003+/-0.000 χ^2/NDF: 11409534.2/45

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.009+/-0.027 χ^2/NDF:9.7/4

Left: 0.004+/-0.019 χ^2/NDF: 23.3/10

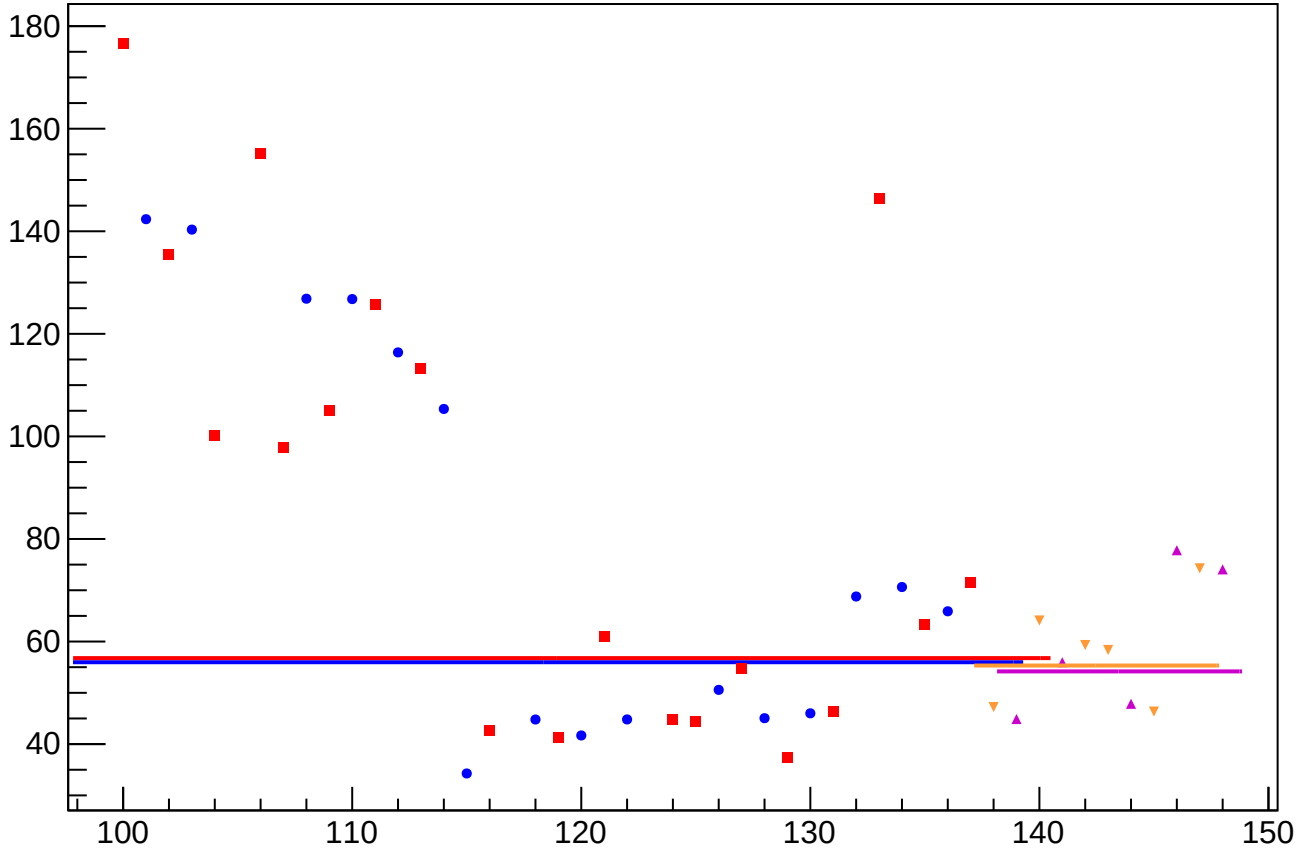
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.003+/-0.013 χ^2/NDF: 50.1/45

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.323+/-0.019 χ^2/NDF:242207.9/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

Left: 54.759+/-0.014 χ^2/NDF: 595092.2/10

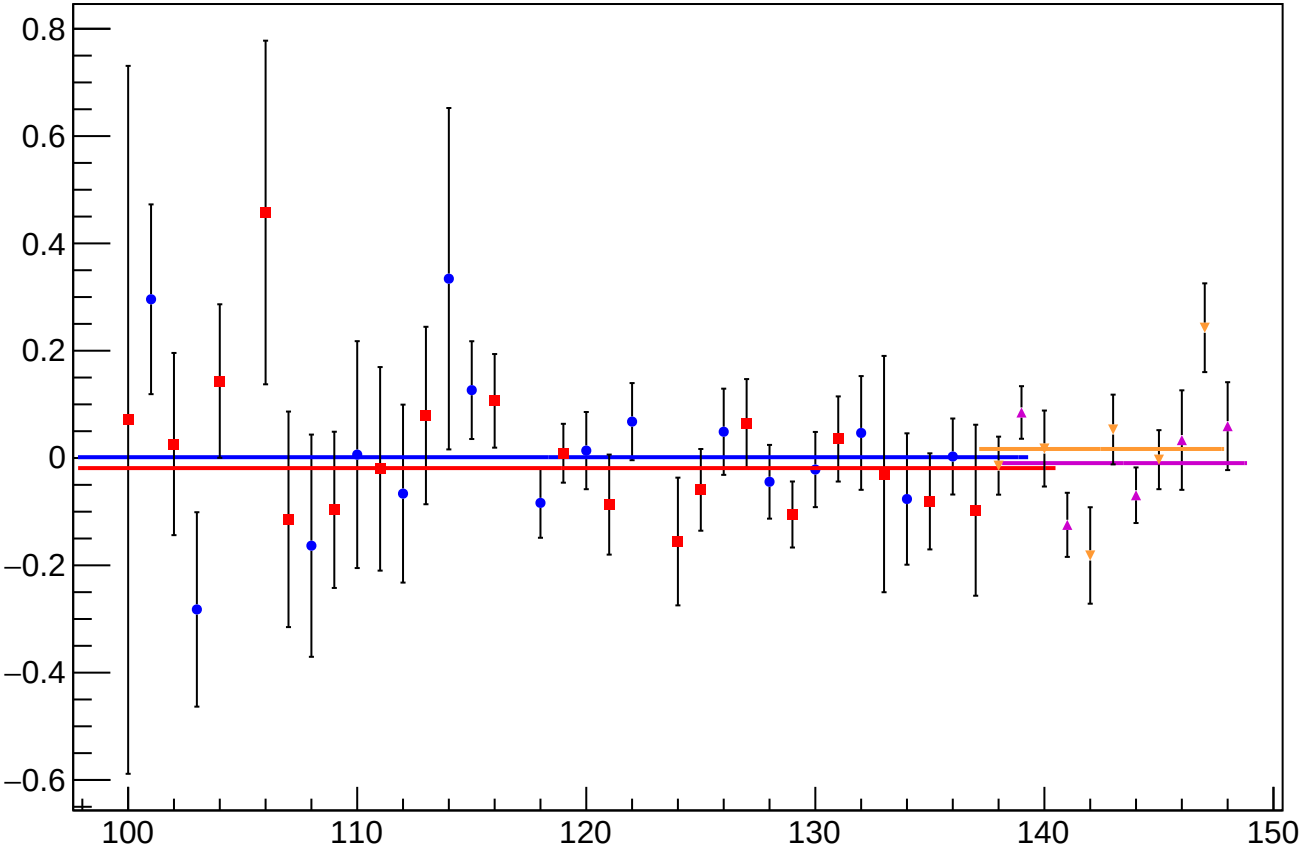
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.211+/-0.013 χ^2/NDF:2535806.2/20

Out: 56.144+/-0.013 χ^2/NDF:2798653.4/24

All: 55.680+/-0.009 χ^2/NDF: 5337219.0/45

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: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.009+/-0.027 χ^2/NDF:9.7/4

Left: 0.004+/-0.019 χ^2/NDF: 23.3/10

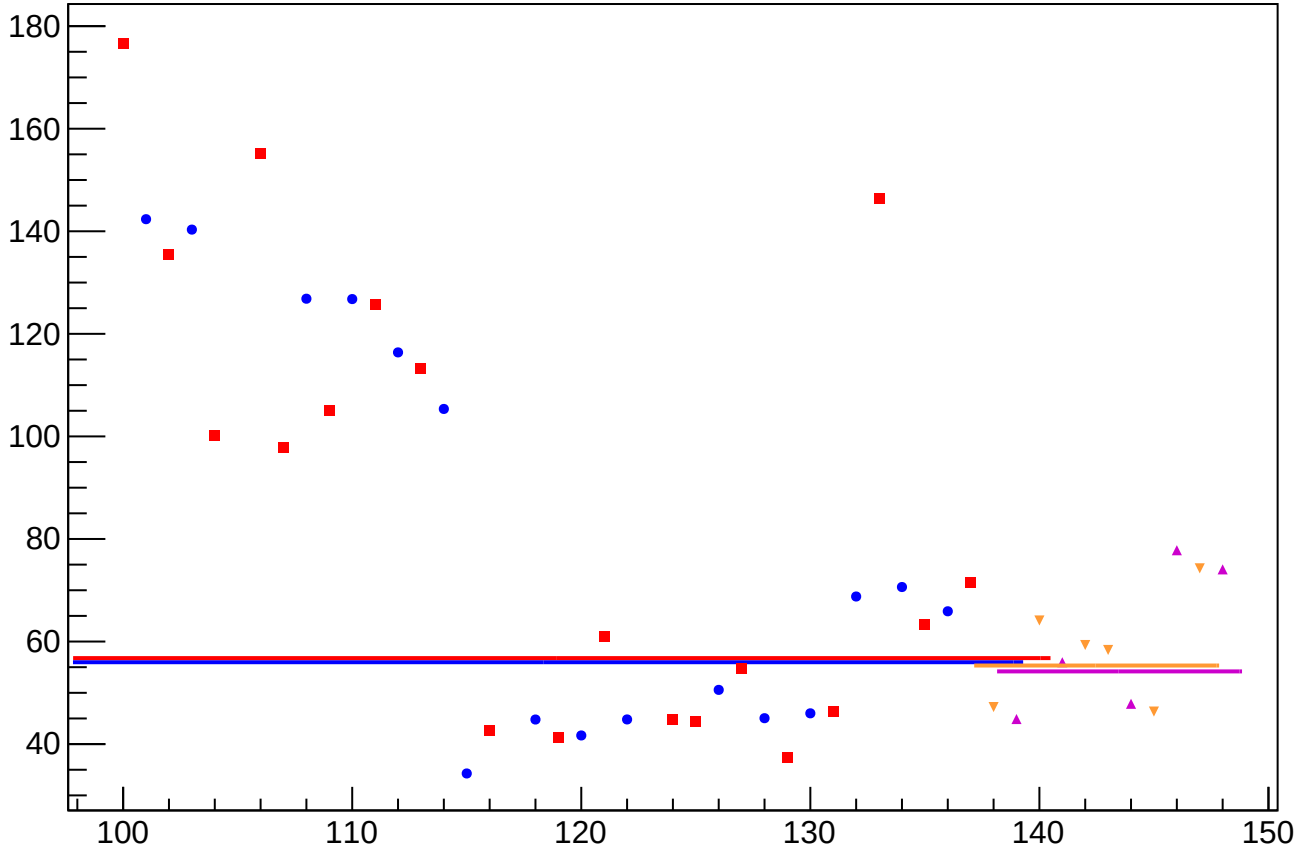
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.003+/-0.013 χ^2/NDF: 50.1/45

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: 55.323+/-0.019 χ^2/NDF:242207.9/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

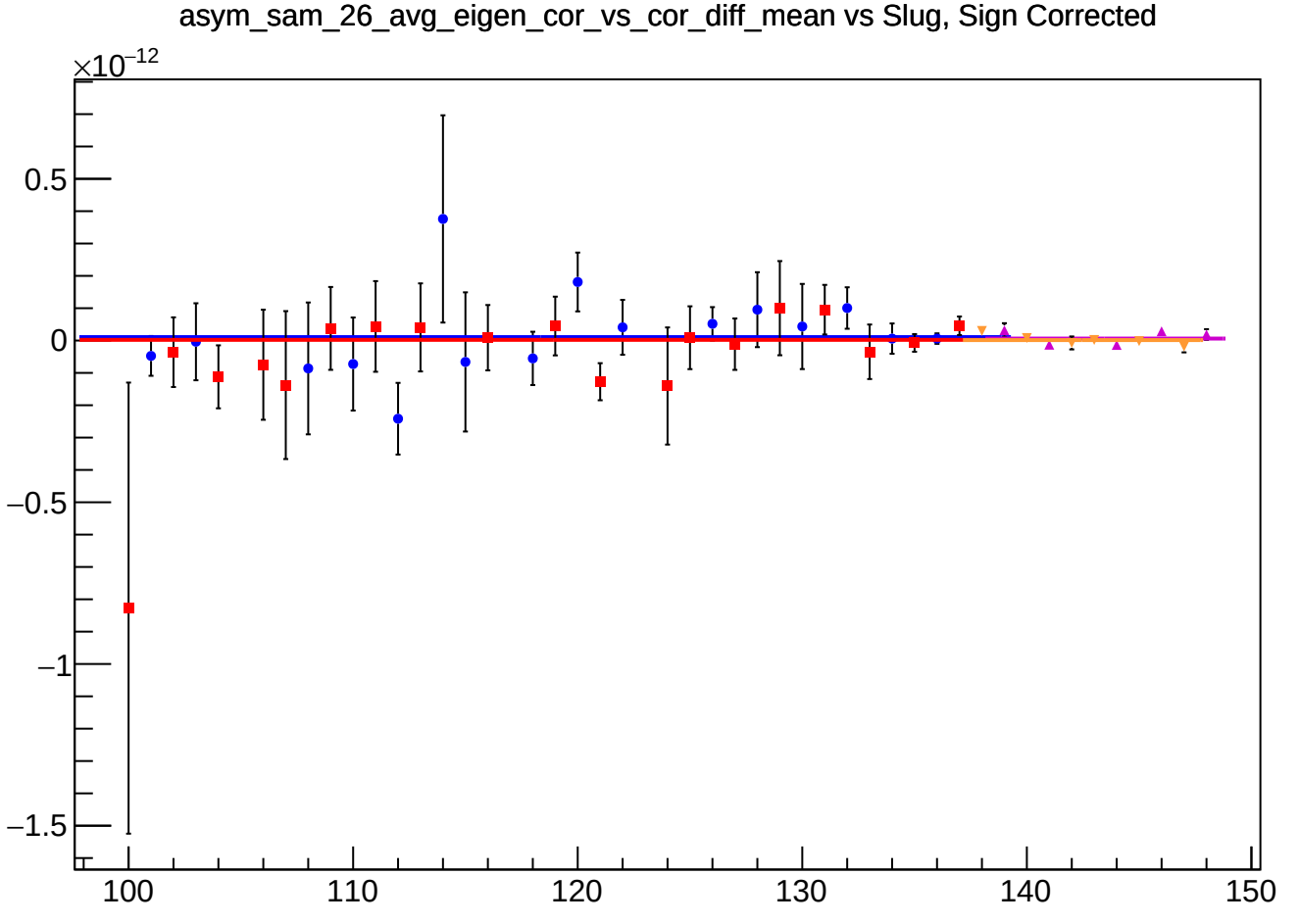
Left: 54.759+/-0.014 χ^2/NDF: 595092.2/10

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.211+/-0.013 χ^2/NDF:2535806.2/20

Out: 56.144+/-0.013 χ^2/NDF:2798653.4/24

All: 55.680+/-0.009 χ^2/NDF: 5337219.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/4

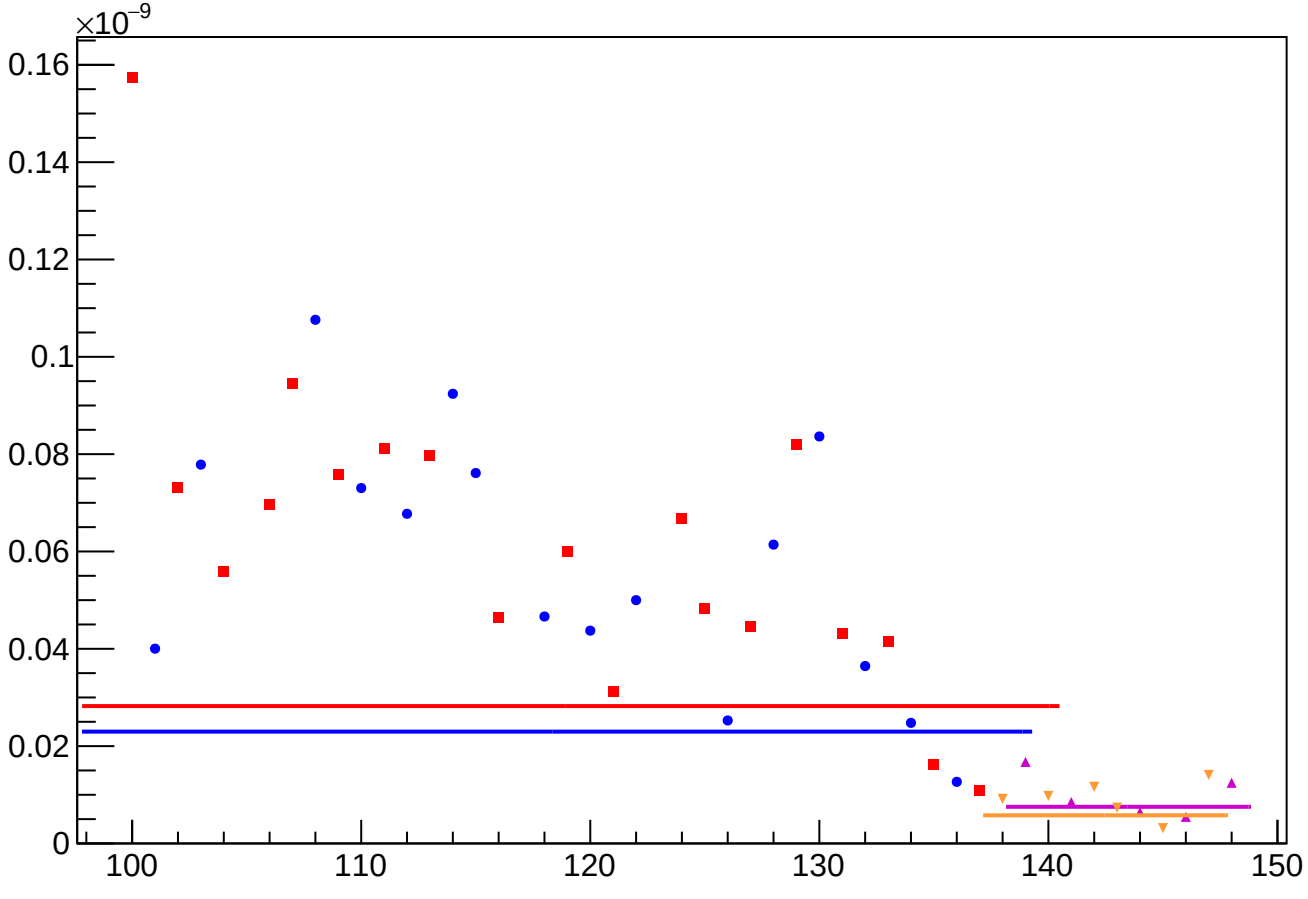
Left: 0.000+/-0.000 χ^2/NDF: 24.7/10

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:33.3/20

Out: 0.000+/-0.000 χ^2/NDF:20.9/24

All: 0.000+/-0.000 χ^2/NDF: 55.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1522832.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:705764.4/4

Left: 0.000+/-0.000 χ^2/NDF: 2385955.5/10

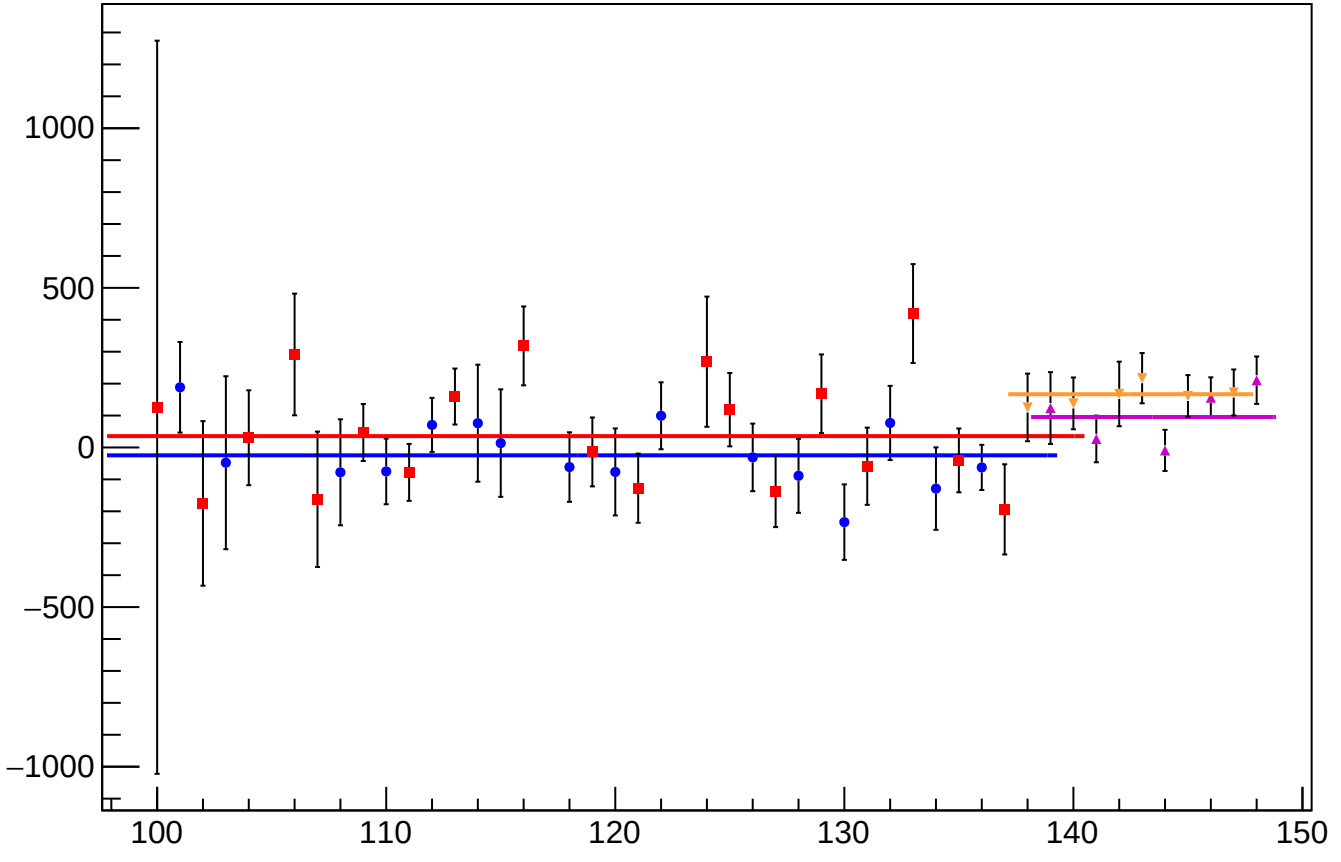
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:6929158.8/20

Out: 0.000+/-0.000 χ^2/NDF:9287123.1/24

All: 0.000+/-0.000 χ^2/NDF: 16523628.5/45

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.817+/-32.821 χ^2/NDF:0.7/5

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 95.438+/-32.717 χ^2/NDF:6.9/4

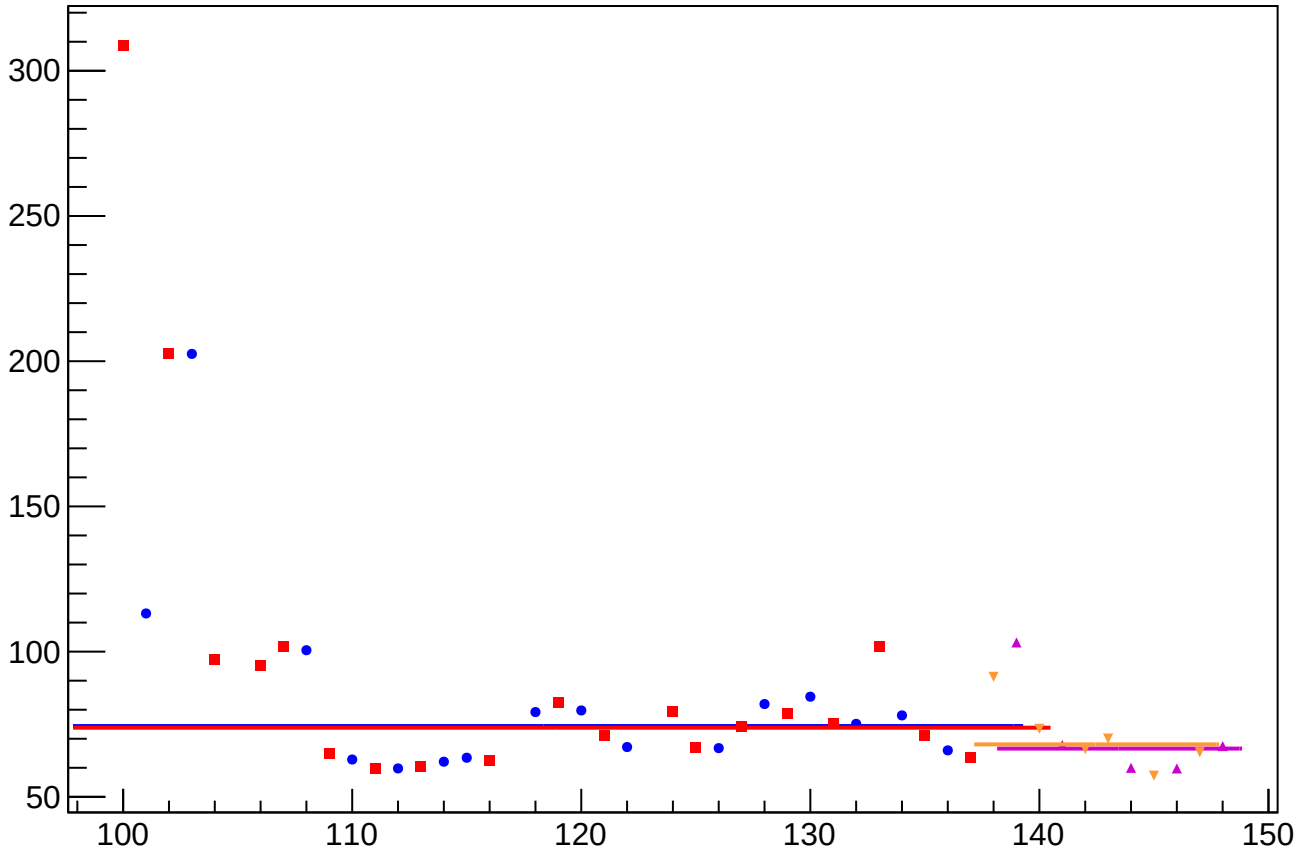
Left: 131.015+/-23.171 χ^2/NDF: 10.0/10

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 28.019+/-21.665 χ^2/NDF:25.5/20

Out: 91.895+/-21.499 χ^2/NDF:39.9/24

All: 60.202+/-15.261 χ^2/NDF: 69.8/45



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

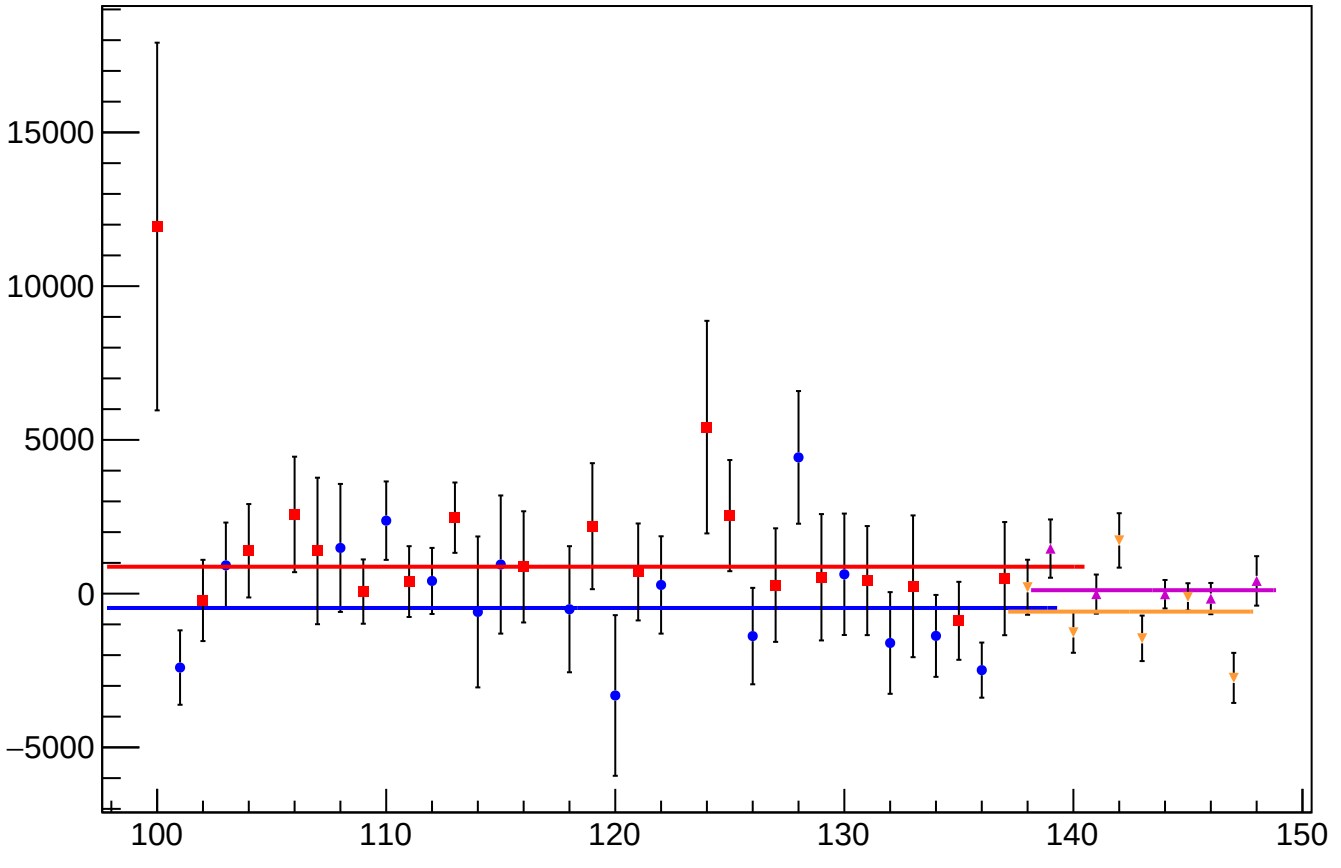
Left: 67.337+/-0.016 χ^2/NDF: 422301.8/10

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 70.970+/-0.015 χ^2/NDF:1146633.5/20

Out: 71.346+/-0.015 χ^2/NDF:1131401.7/24

All: 71.159+/-0.011 χ^2/NDF: 2278338.6/45



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -584.649+/-275.182 χ^2/NDF:18.2/5

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 111.539+/-270.448 χ^2/NDF:2.6/4

Left: -230.515+/-192.887 χ^2/NDF: 24.1/10

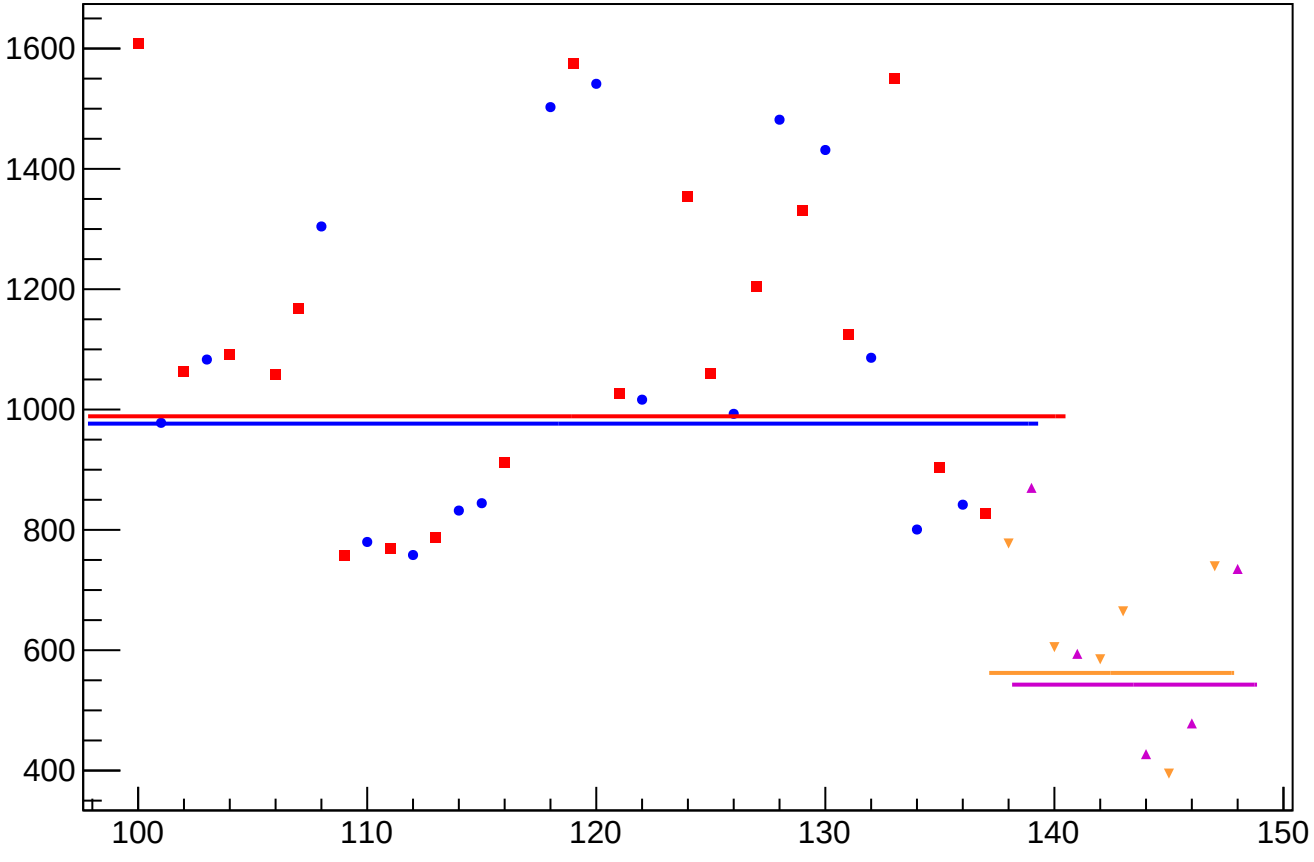
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -86.228+/-219.359 χ^2/NDF:27.8/20

Out: -68.712+/-221.281 χ^2/NDF:41.2/24

All: -77.547+/-155.785 χ^2/NDF: 69.1/45

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 562.253+/-0.195 χ^2/NDF:542423.0/5

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 542.785+/-0.191 χ^2/NDF:522049.3/4

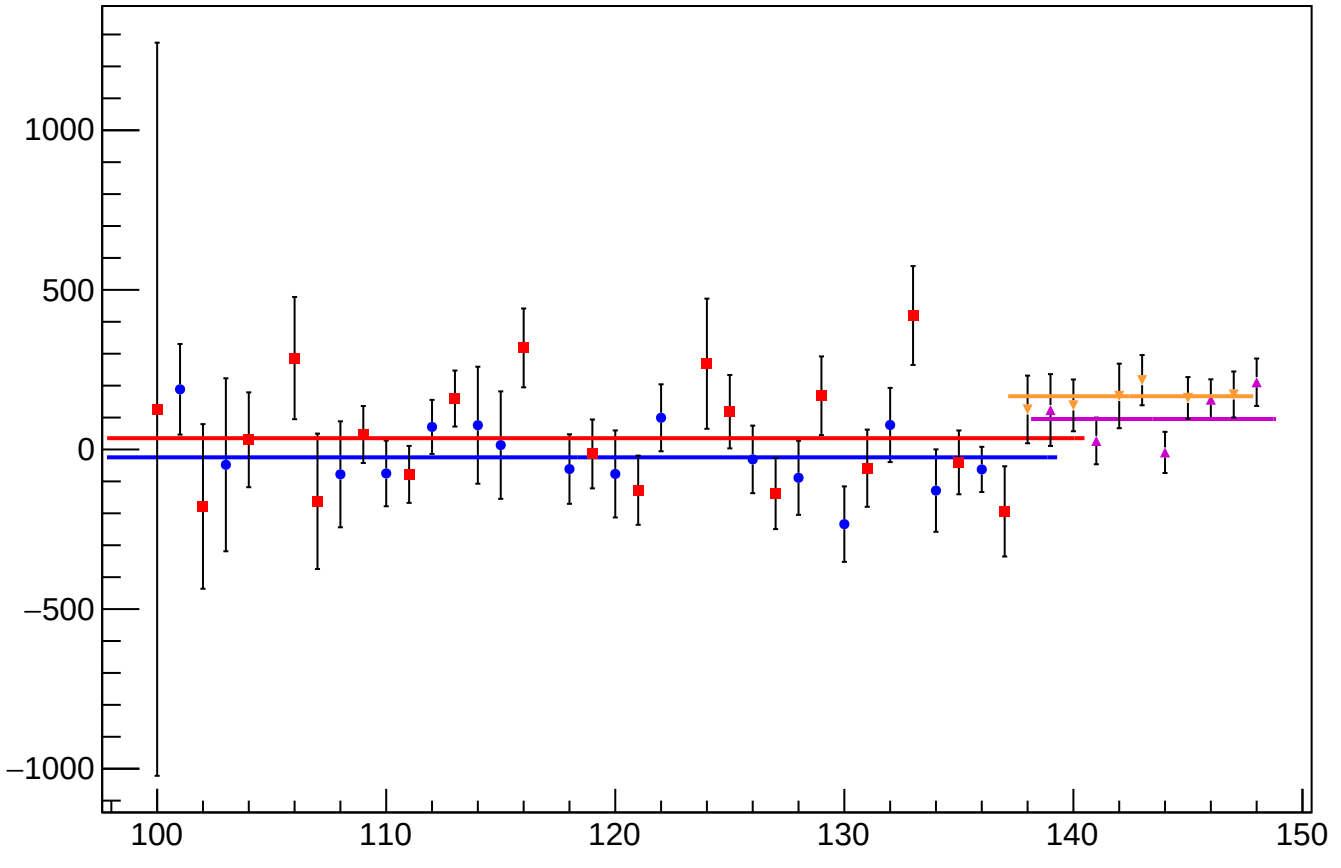
Left: 552.350+/-0.136 χ^2/NDF: 1069564.0/10

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 691.196+/-0.155 χ^2/NDF:3019082.6/20

Out: 712.973+/-0.156 χ^2/NDF:2955958.1/24

All: 701.990+/-0.110 χ^2/NDF: 5984810.6/45



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.823+/-32.821 χ^2/NDF:0.7/5

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 95.435+/-32.717 χ^2/NDF:6.9/4

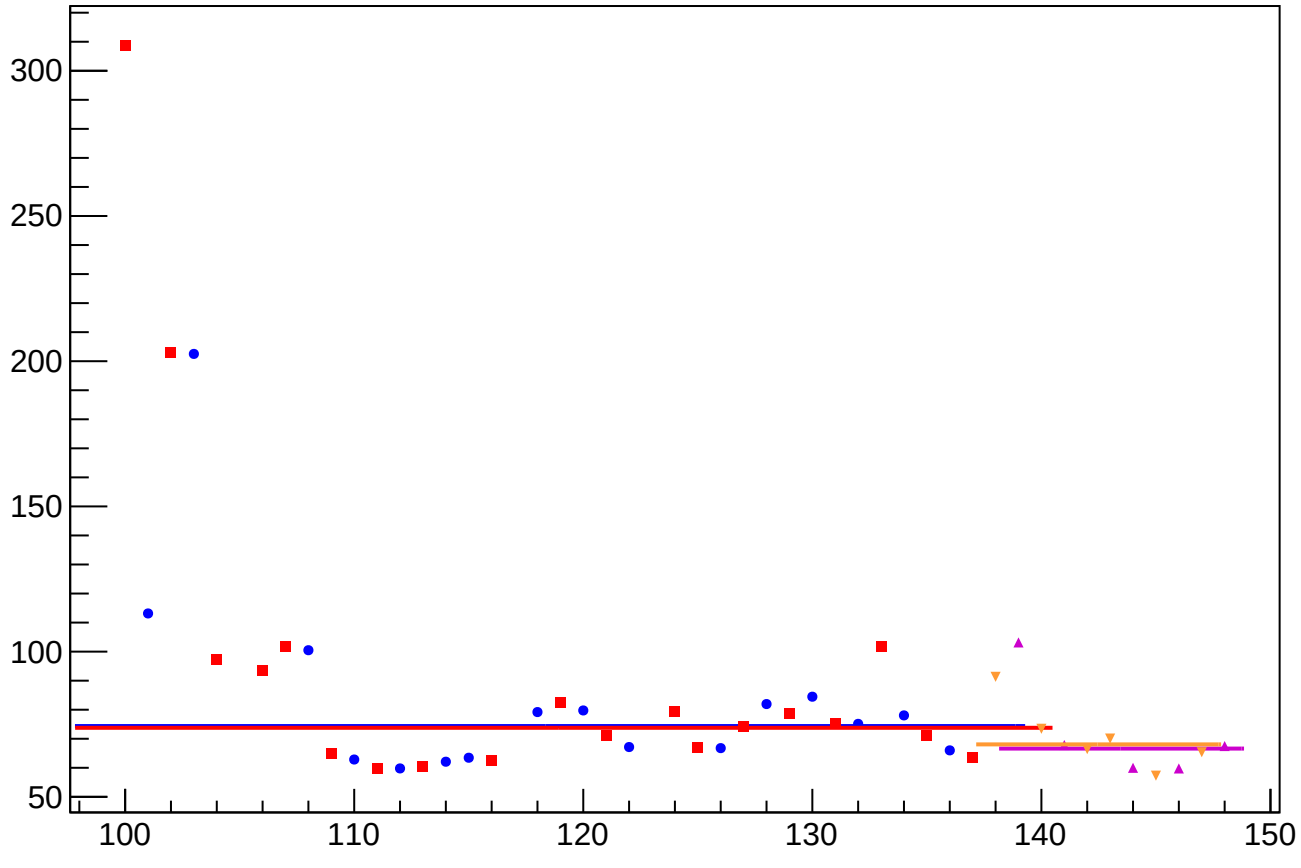
Left: 131.017+/-23.171 χ^2/NDF: 10.0/10

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 28.013+/-21.665 χ^2/NDF:25.5/20

Out: 91.791+/-21.501 χ^2/NDF:39.9/24

All: 60.145+/-15.261 χ^2/NDF: 69.7/45



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

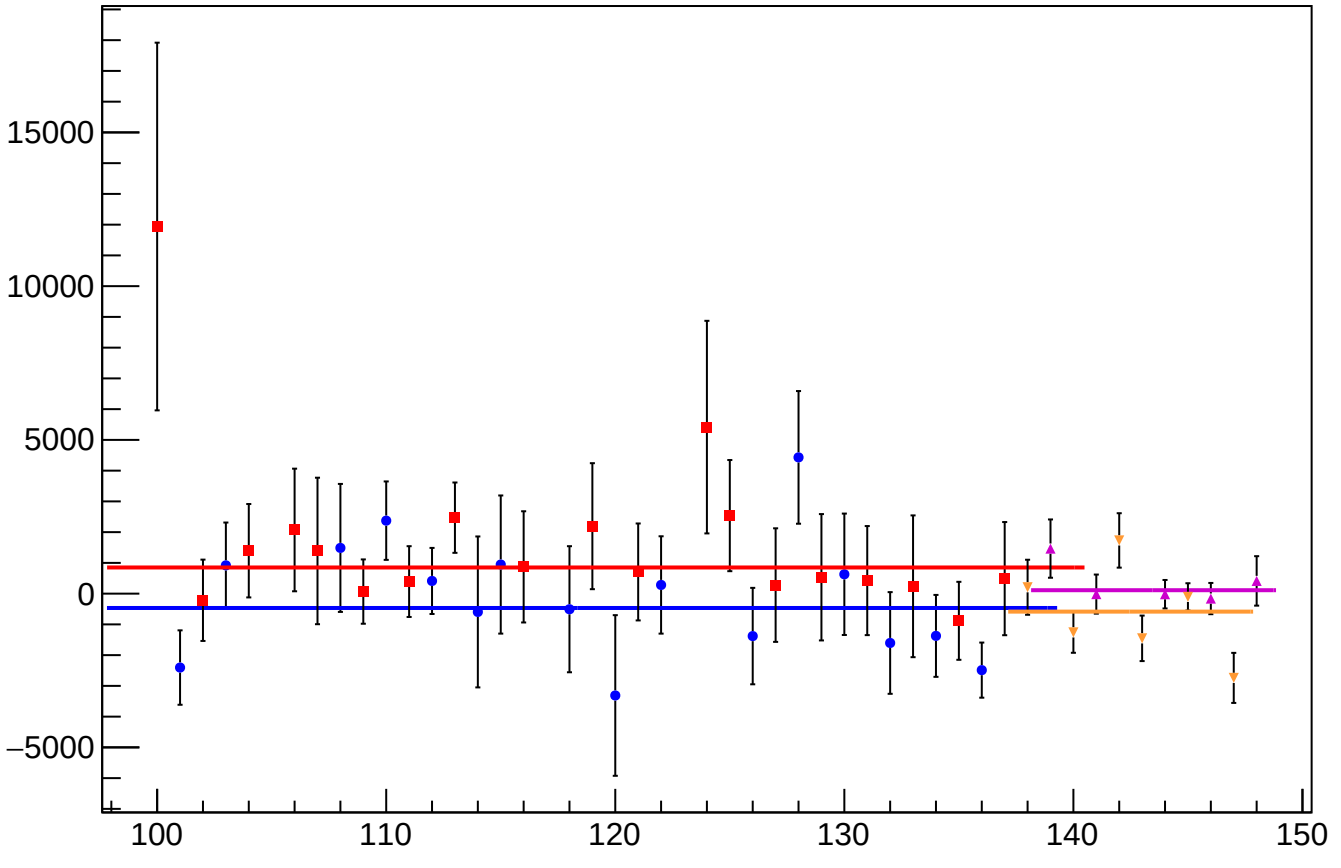
Left: 67.337+/-0.016 χ^2/NDF: 422301.8/10

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 70.970+/-0.015 χ^2/NDF:1146635.5/20

Out: 71.322+/-0.015 χ^2/NDF:1127104.8/24

All: 71.147+/-0.011 χ^2/NDF: 2274005.9/45



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 111.542+/-270.448 χ^2/NDF:2.6/4

Left: -230.510+/-192.887 χ^2/NDF: 24.1/10

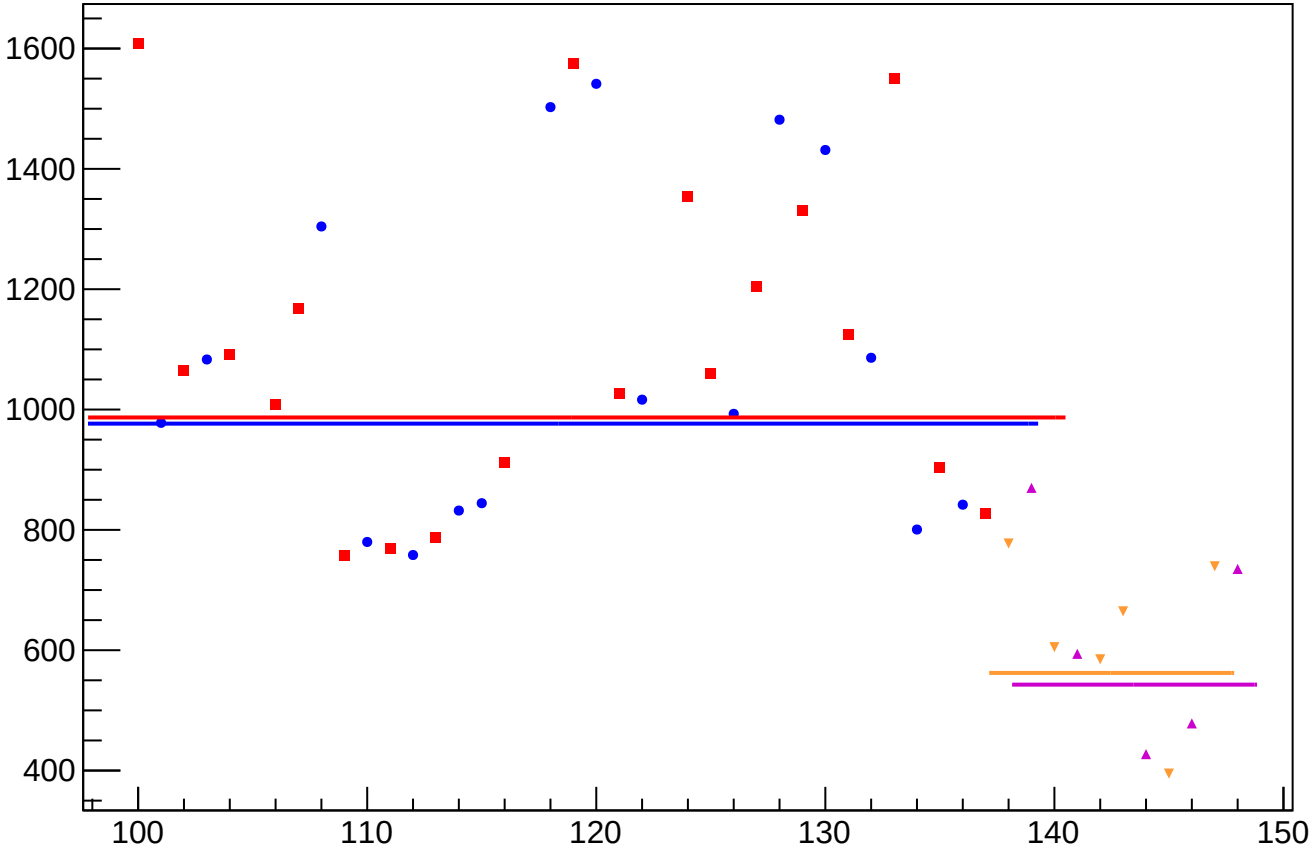
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -86.220+/-219.360 χ^2/NDF:27.8/20

Out: -78.900+/-221.459 χ^2/NDF:40.4/24

All: -82.595+/-155.848 χ^2/NDF: 68.2/45

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 562.252+/-0.195 χ^2/NDF:542421.9/5

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

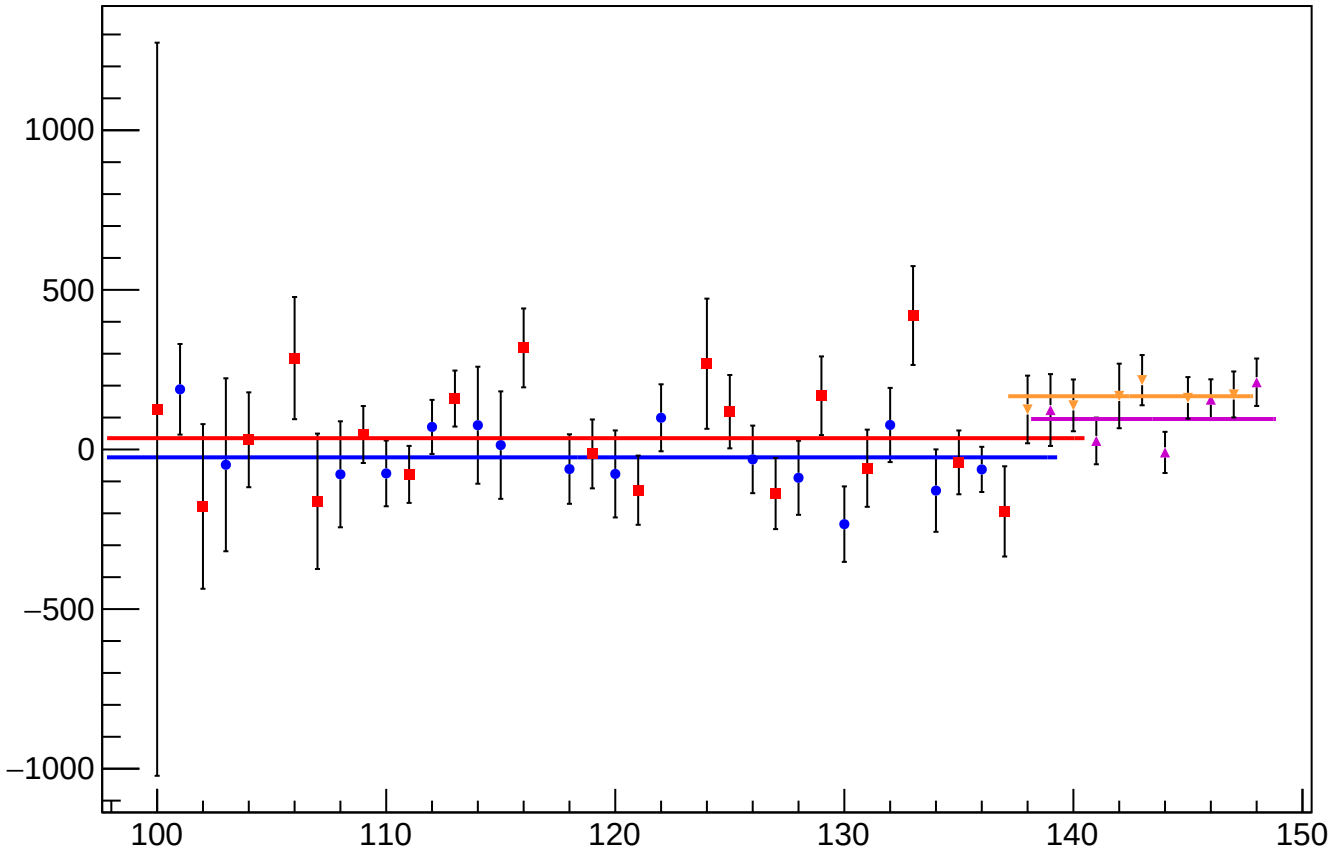
Left: 552.350+/-0.136 χ^2/NDF: 1069563.8/10

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 691.197+/-0.155 χ^2/NDF:3019139.1/20

Out: 711.844+/-0.157 χ^2/NDF:2933184.1/24

All: 701.422+/-0.110 χ^2/NDF: 5961098.1/45



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.823+/-32.821 χ^2/NDF:0.7/5

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 95.435+/-32.717 χ^2/NDF:6.9/4

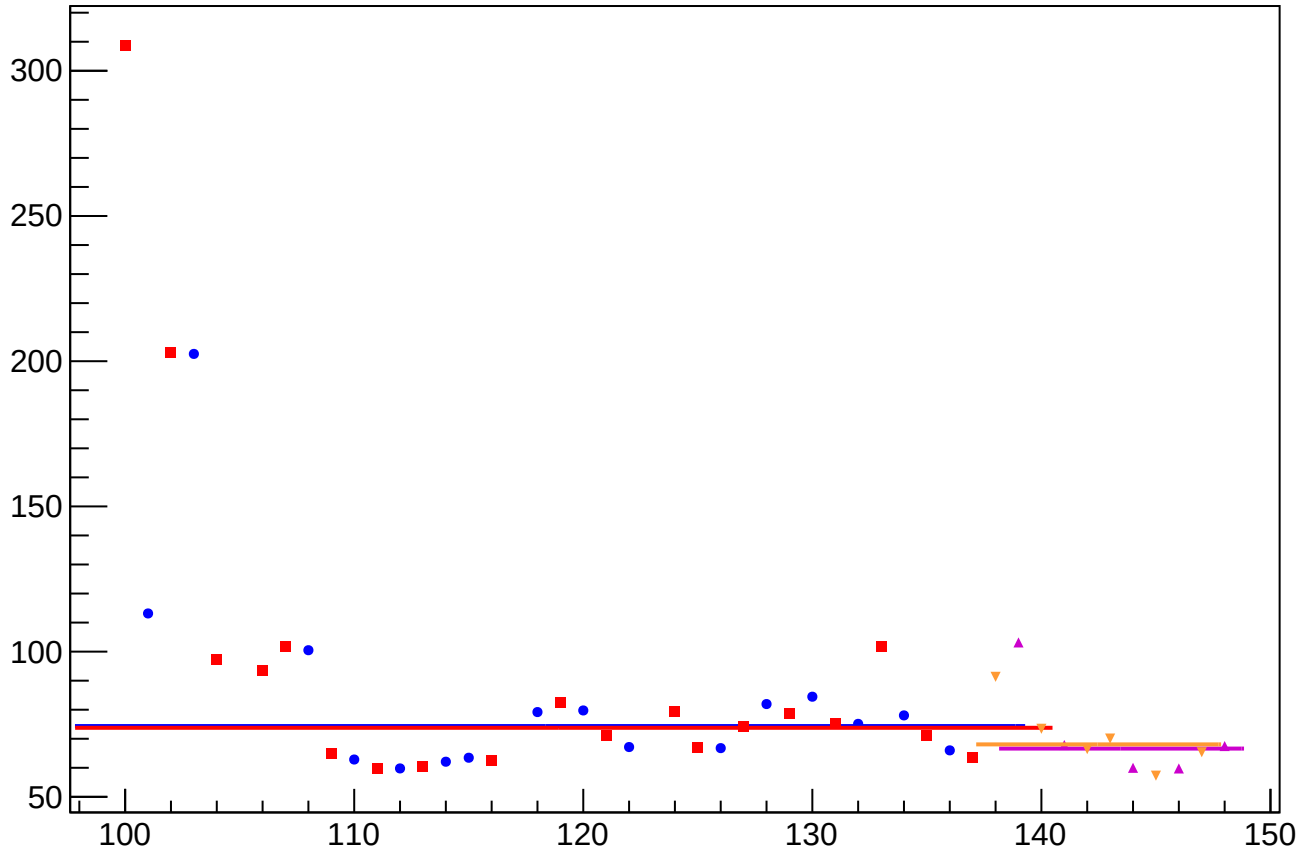
Left: 131.017+/-23.171 χ^2/NDF: 10.0/10

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 28.013+/-21.665 χ^2/NDF:25.5/20

Out: 91.791+/-21.501 χ^2/NDF:39.9/24

All: 60.145+/-15.261 χ^2/NDF: 69.7/45



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

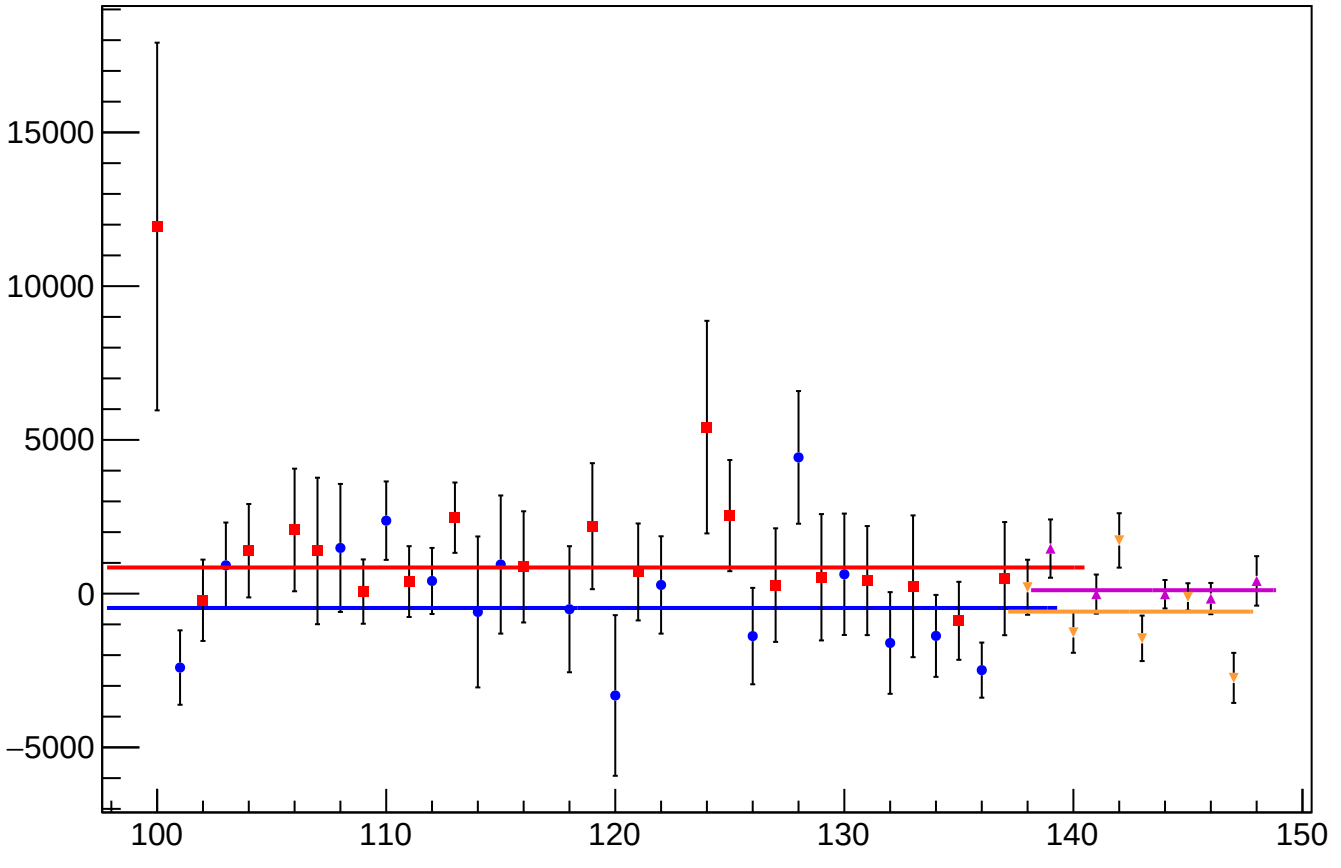
Left: 67.337+/-0.016 χ^2/NDF: 422301.8/10

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 70.970+/-0.015 χ^2/NDF:1146635.5/20

Out: 71.322+/-0.015 χ^2/NDF:1127104.8/24

All: 71.147+/-0.011 χ^2/NDF: 2274005.9/45



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 111.542+/-270.448 χ^2/NDF:2.6/4

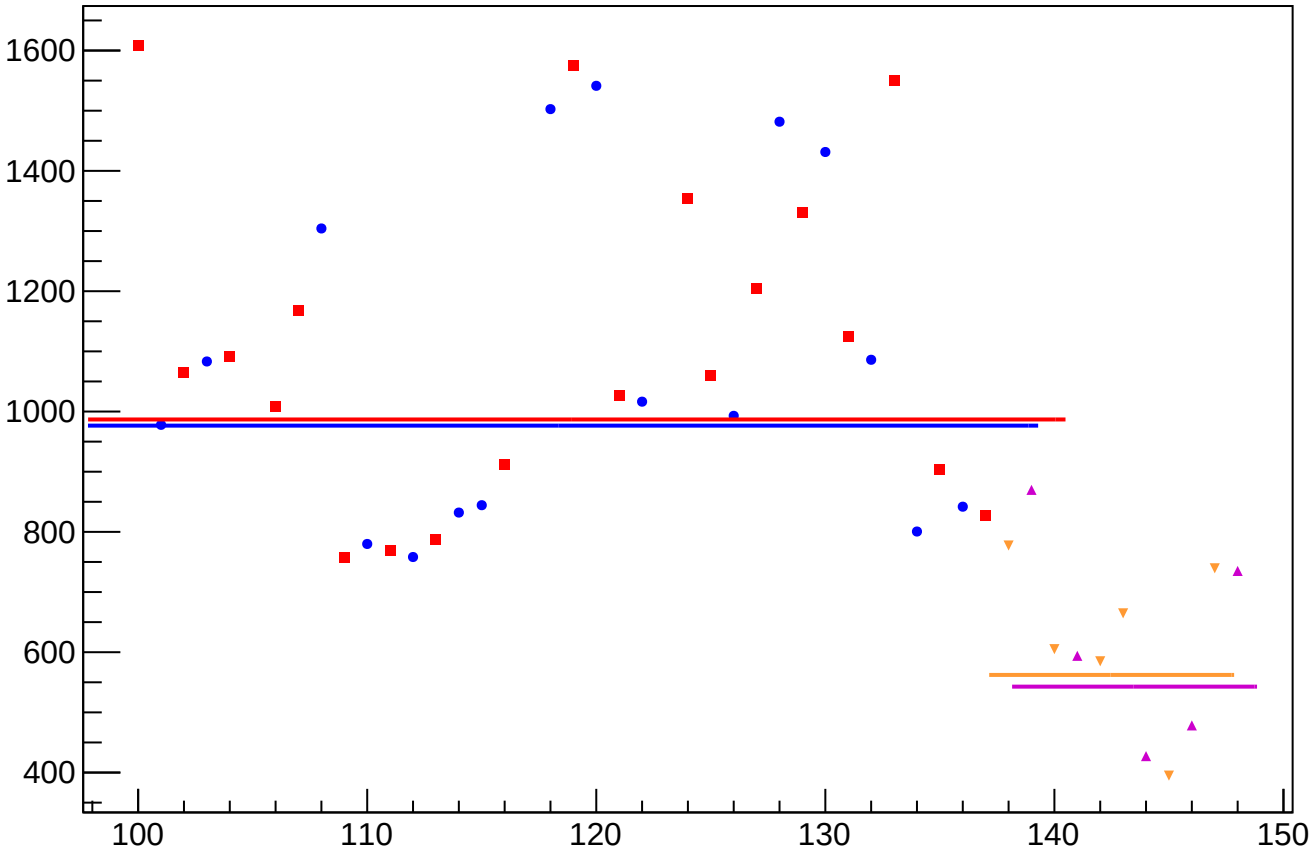
Left: -230.510+/-192.887 χ^2/NDF: 24.1/10

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -86.220+/-219.360 χ^2/NDF:27.8/20

Out: -78.900+/-221.459 χ^2/NDF:40.4/24

All: -82.595+/-155.848 χ^2/NDF: 68.2/45



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 562.252+/-0.195 χ^2/NDF:542421.9/5

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

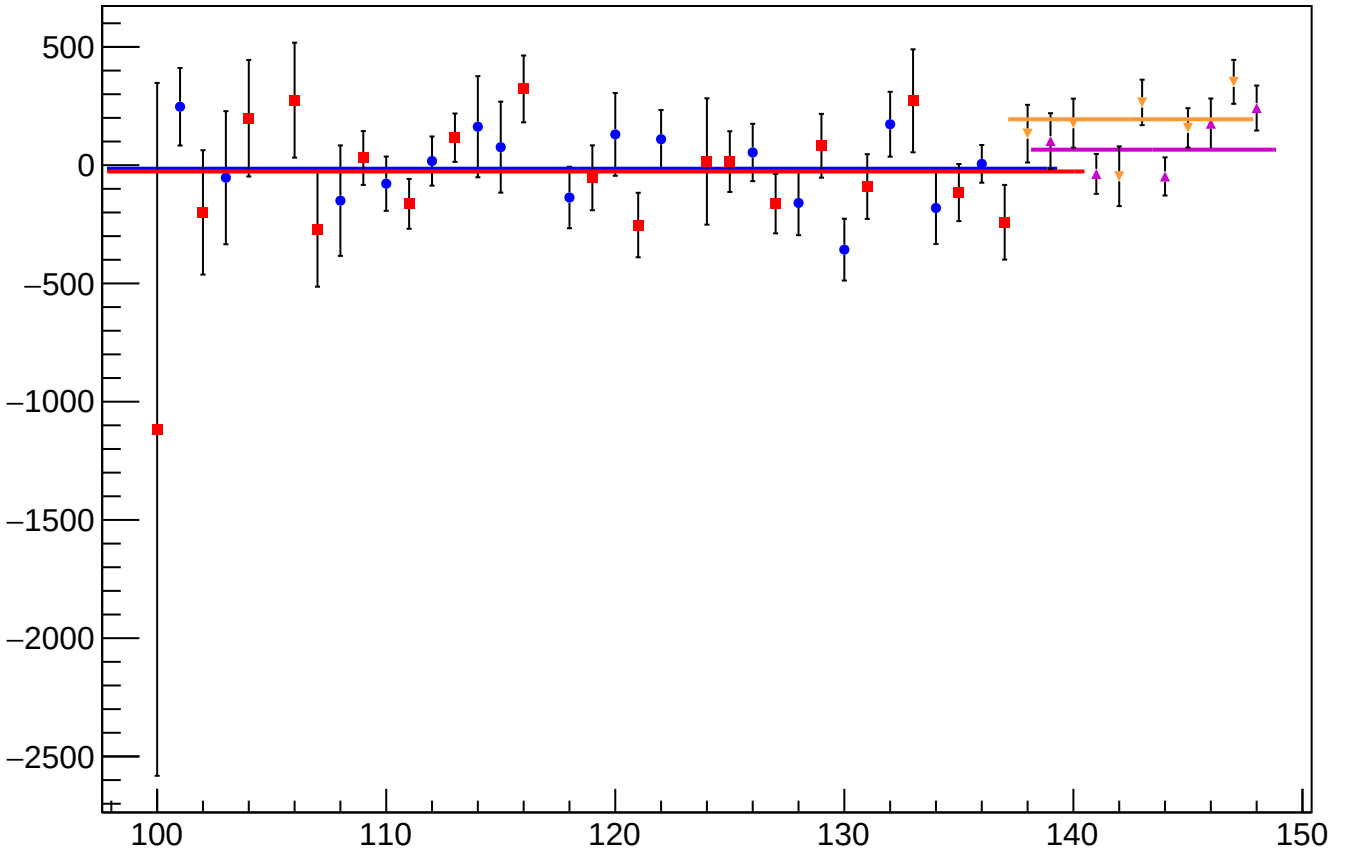
Left: 552.350+/-0.136 χ^2/NDF: 1069563.8/10

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 691.197+/-0.155 χ^2/NDF:3019139.1/20

Out: 711.844+/-0.157 χ^2/NDF:2933184.1/24

All: 701.422+/-0.110 χ^2/NDF: 5961098.1/45



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 194.260+/-41.114 χ^2/NDF:7.6/5

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 65.608+/-42.077 χ^2/NDF:8.0/4

Left: 131.423+/-29.407 χ^2/NDF: 20.4/10

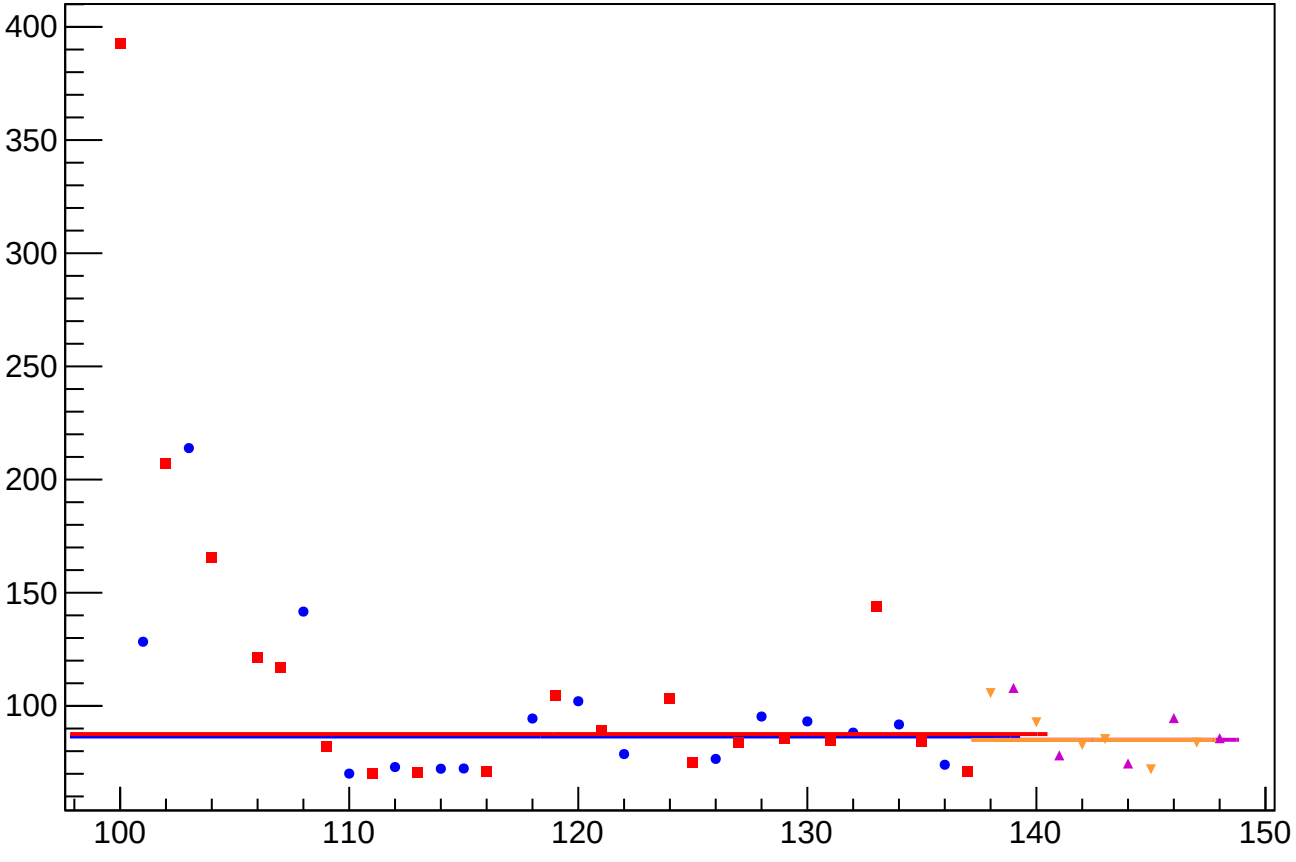
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 16.598+/-26.333 χ^2/NDF:28.5/20

Out: 63.294+/-26.235 χ^2/NDF:48.3/24

All: 40.033+/-18.585 χ^2/NDF: 78.4/45

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 84.964+/-0.029 χ^2/NDF:118457.6/5

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 85.033+/-0.030 χ^2/NDF:138869.6/4

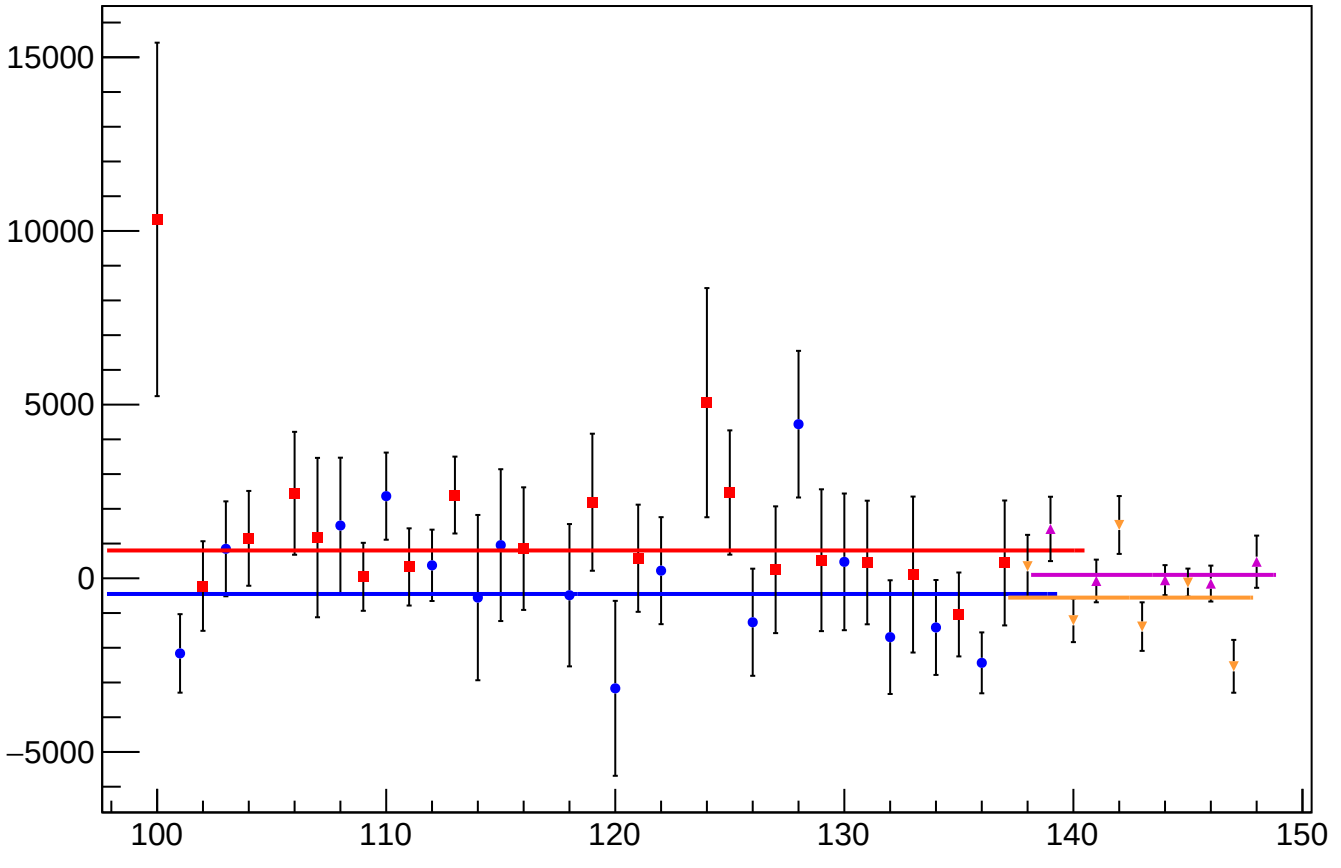
Left: 84.997+/-0.021 χ^2/NDF: 257329.9/10

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 85.919+/-0.019 χ^2/NDF:996585.2/20

Out: 86.500+/-0.019 χ^2/NDF:1252959.6/24

All: 86.210+/-0.013 χ^2/NDF: 2250033.6/45



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.085+/-257.154 χ^2/NDF:17.7/5

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 98.455+/-261.075 χ^2/NDF:2.7/4

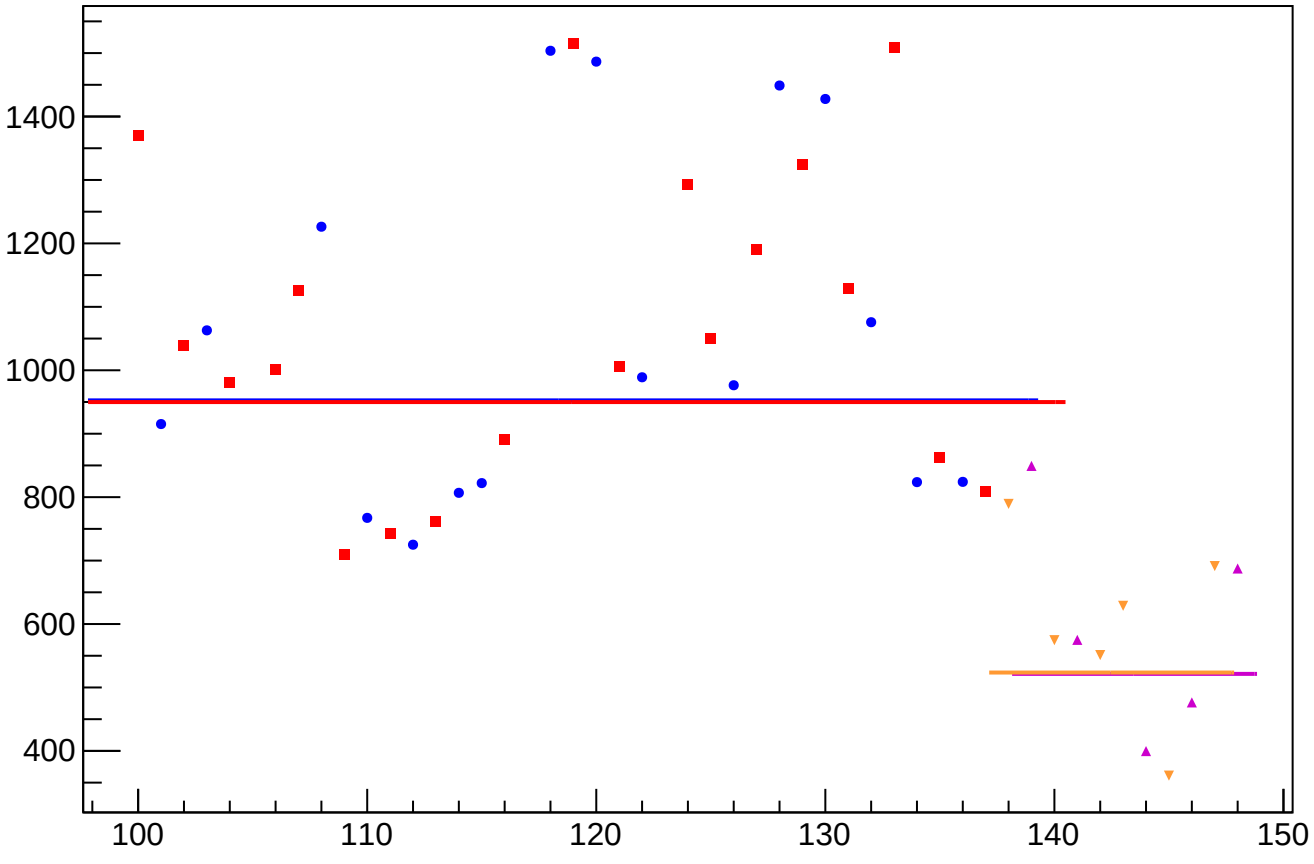
Left: -233.767+/-183.206 χ^2/NDF: 23.6/10

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -87.233+/-212.465 χ^2/NDF:28.0/20

Out: -93.896+/-208.830 χ^2/NDF:40.8/24

All: -90.622+/-148.934 χ^2/NDF: 68.8/45



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 523.542+/-0.182 χ^2/NDF:655788.9/5

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 521.418+/-0.185 χ^2/NDF:536844.0/4

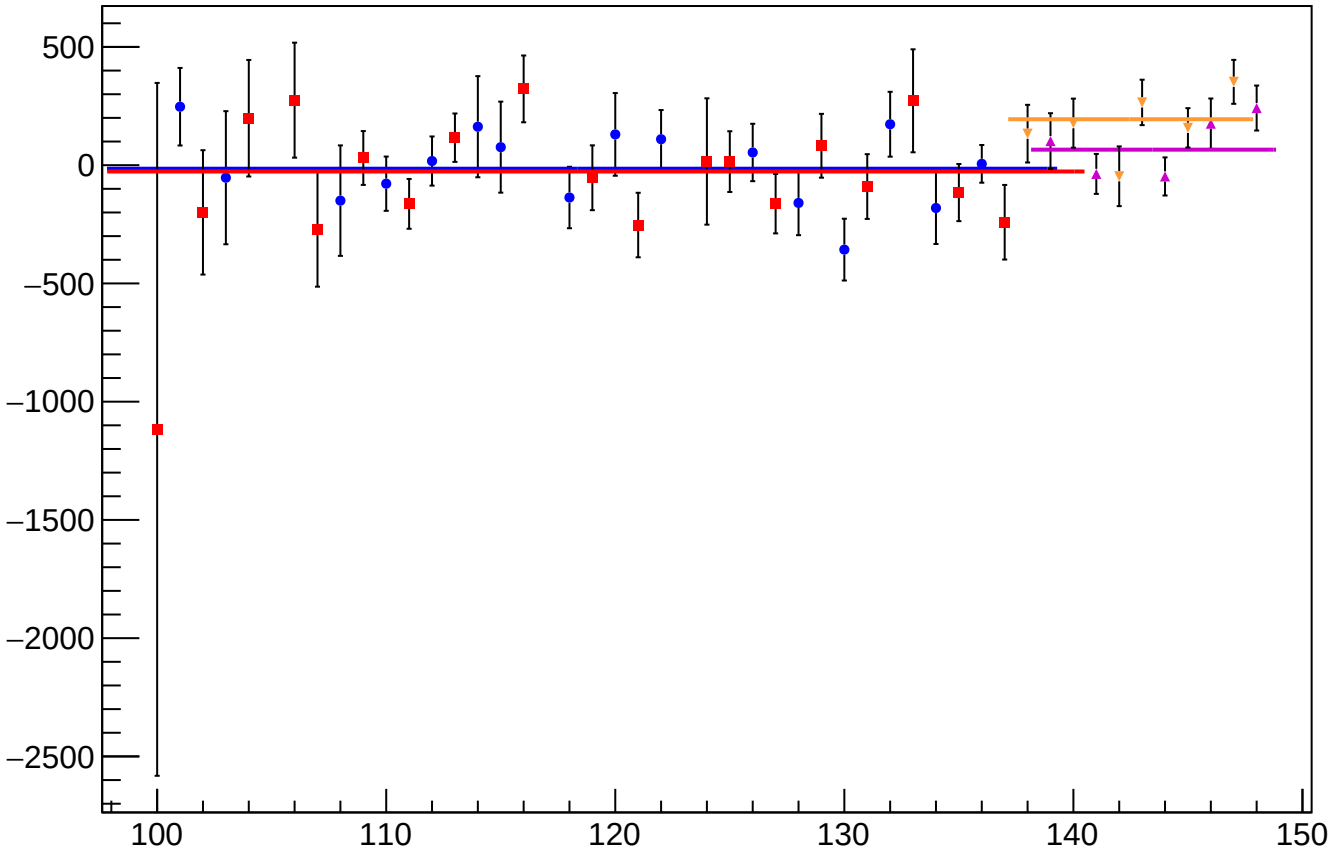
Left: 522.496+/-0.130 χ^2/NDF: 1192700.1/10

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 667.018+/-0.150 χ^2/NDF:3125119.0/20

Out: 668.724+/-0.148 χ^2/NDF:3279526.3/24

All: 667.886+/-0.105 χ^2/NDF: 6404710.9/45



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 194.259+/-41.114 χ^2/NDF:7.6/5

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 65.608+/-42.077 χ^2/NDF:8.0/4

Left: 131.423+/-29.407 χ^2/NDF: 20.4/10

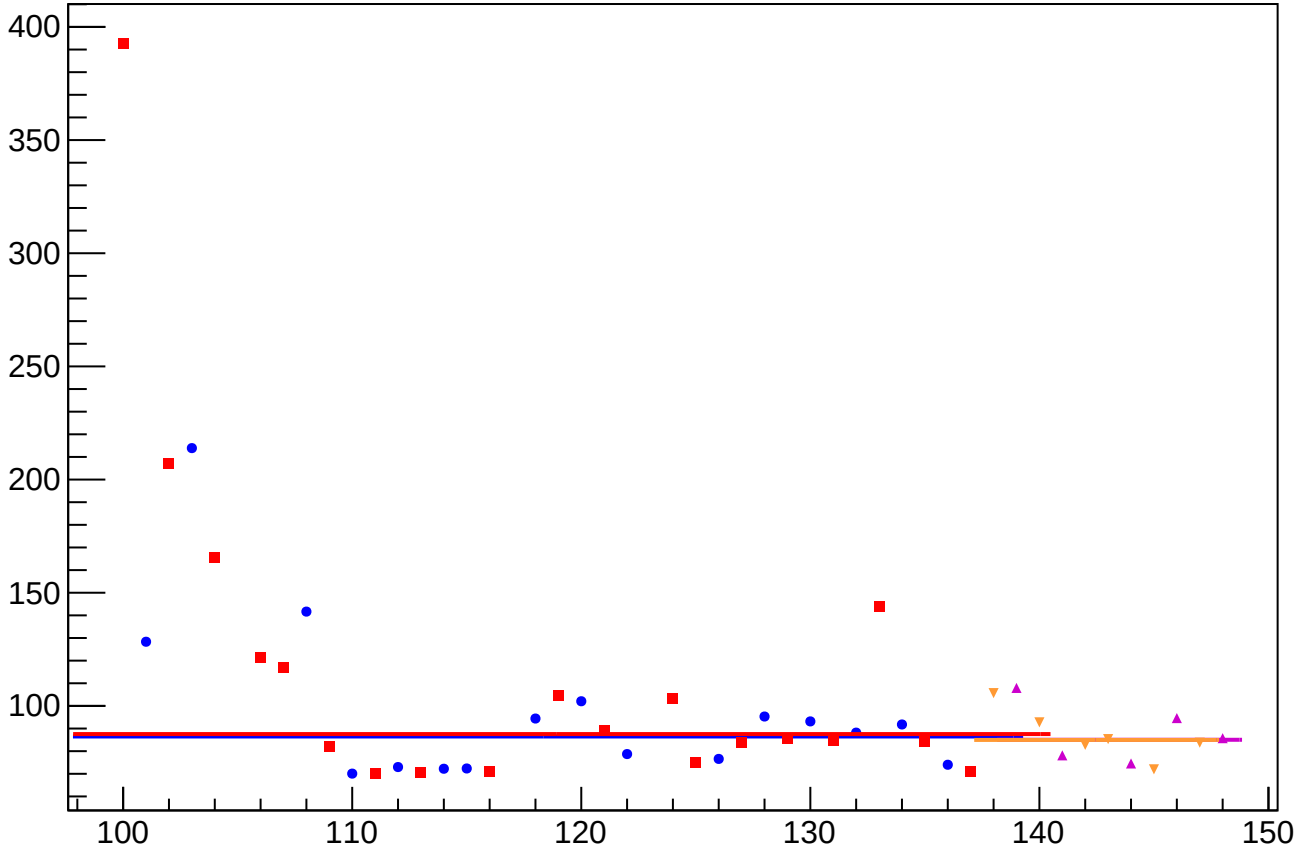
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 16.598+/-26.333 χ^2/NDF:28.5/20

Out: 63.292+/-26.235 χ^2/NDF:48.3/24

All: 40.032+/-18.585 χ^2/NDF: 78.4/45

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 84.964+/-0.029 χ^2/NDF:118455.6/5

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 85.033+/-0.030 χ^2/NDF:138867.6/4

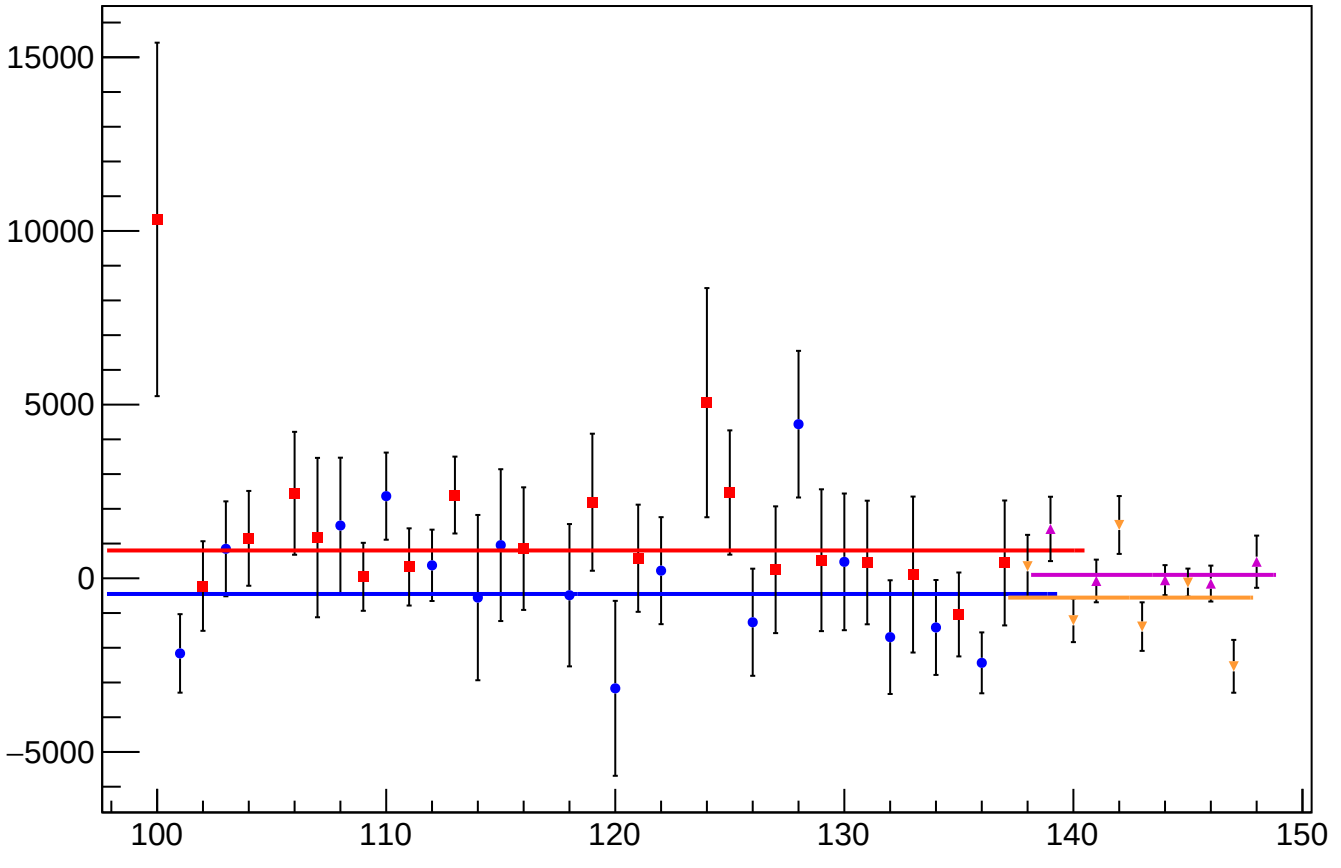
Left: 84.998+/-0.021 χ^2/NDF: 257325.9/10

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 85.919+/-0.019 χ^2/NDF:996575.1/20

Out: 86.500+/-0.019 χ^2/NDF:1252955.5/24

All: 86.211+/-0.013 χ^2/NDF: 2250019.6/45



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.087+/-257.154 χ^2/NDF:17.7/5

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 98.455+/-261.075 χ^2/NDF:2.7/4

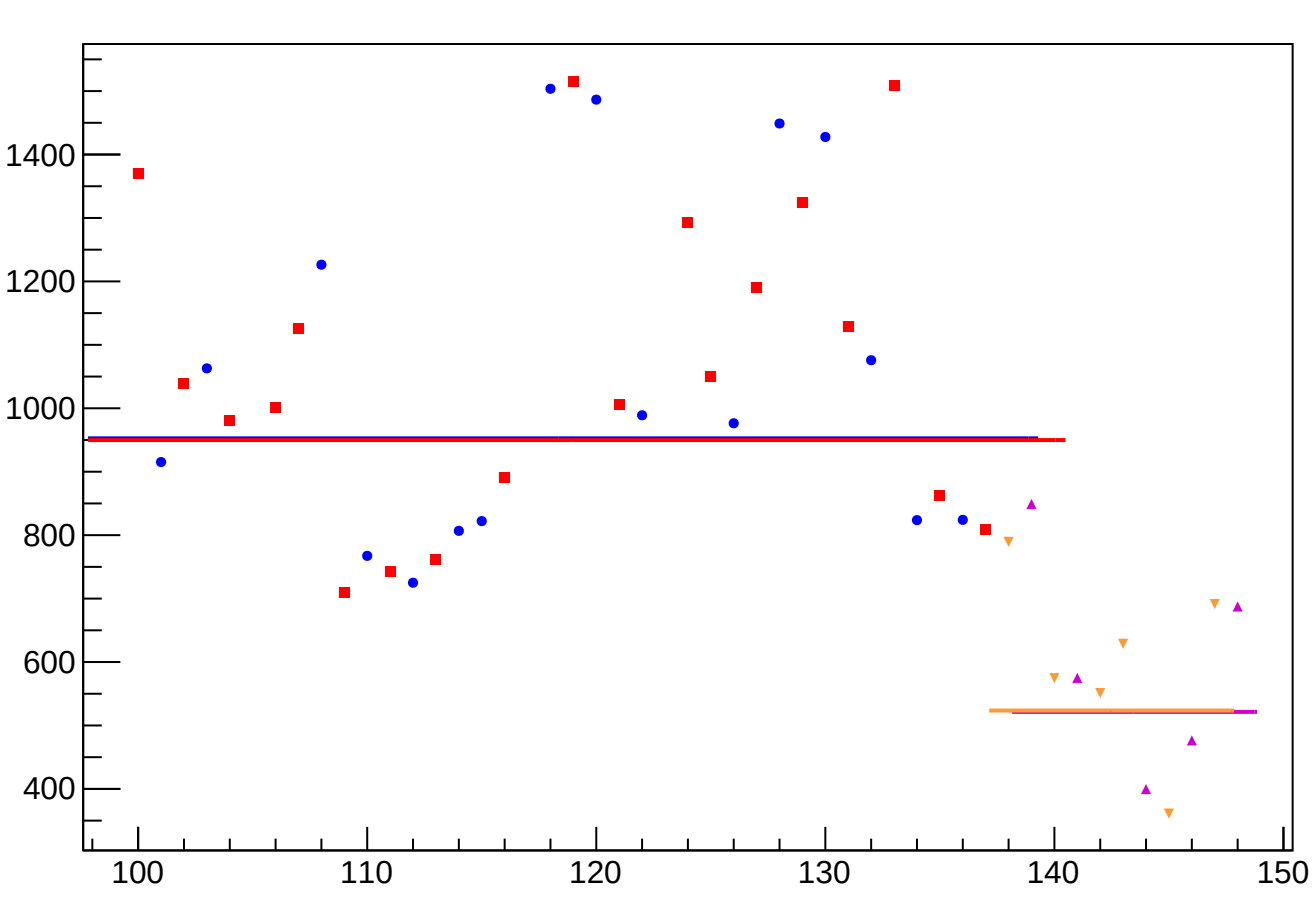
Left: -233.768+/-183.206 χ^2/NDF: 23.6/10

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -87.232+/-212.465 χ^2/NDF:28.0/20

Out: -93.897+/-208.830 χ^2/NDF:40.8/24

All: -90.622+/-148.934 χ^2/NDF: 68.8/45



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 523.541+/-0.182 χ^2/NDF:655791.1/5

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 521.417+/-0.185 χ^2/NDF:536845.9/4

Left: 522.495+/-0.130 χ^2/NDF: 1192704.3/10

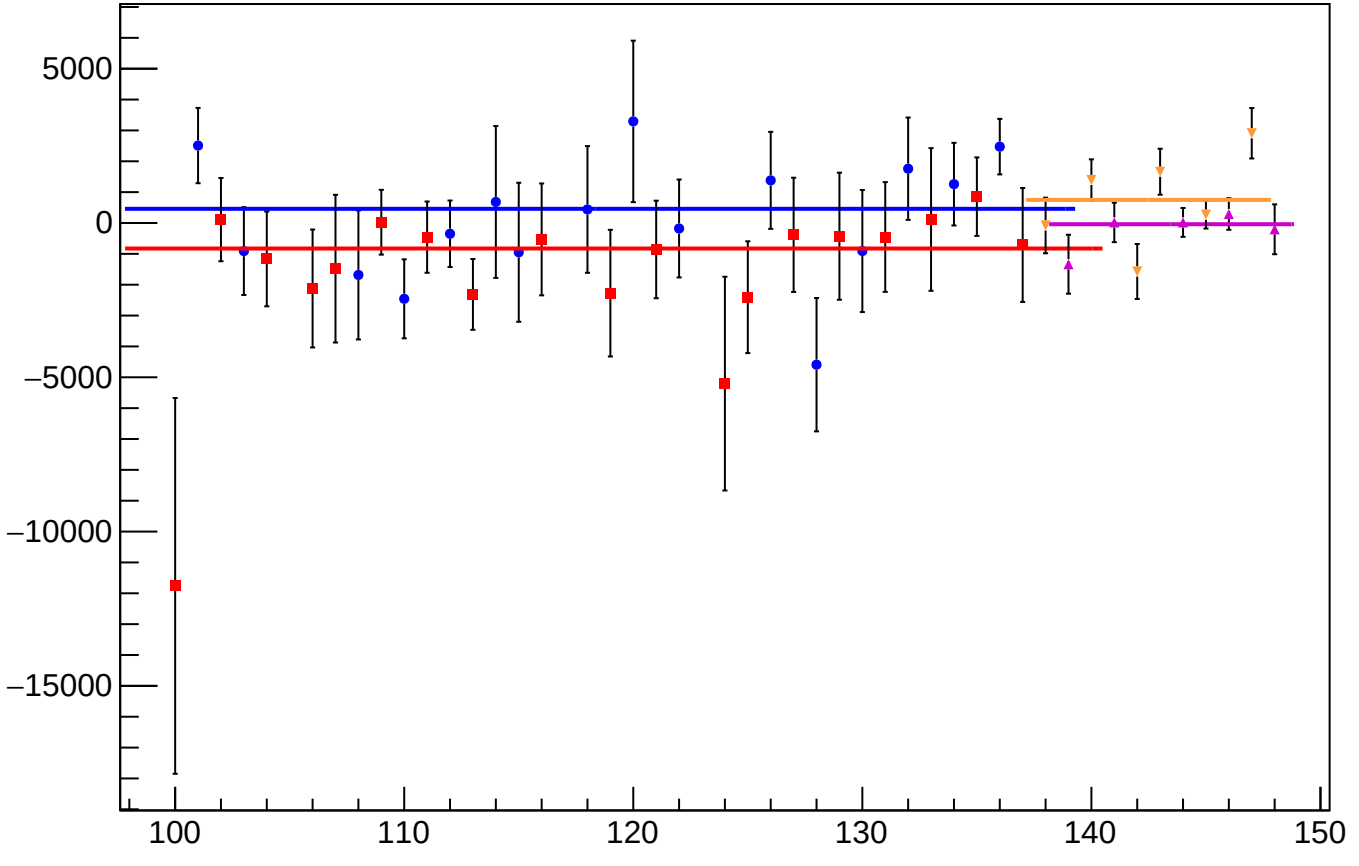
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 667.017+/-0.150 χ^2/NDF:3125117.3/20

Out: 668.723+/-0.148 χ^2/NDF:3279523.9/24

All: 667.885+/-0.105 χ^2/NDF: 6404706.8/45

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 748.748+/-277.443 χ^2/NDF:18.2/5

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -39.595+/-272.703 χ^2/NDF:2.3/4

Left: 347.785+/-194.484 χ^2/NDF: 24.6/10

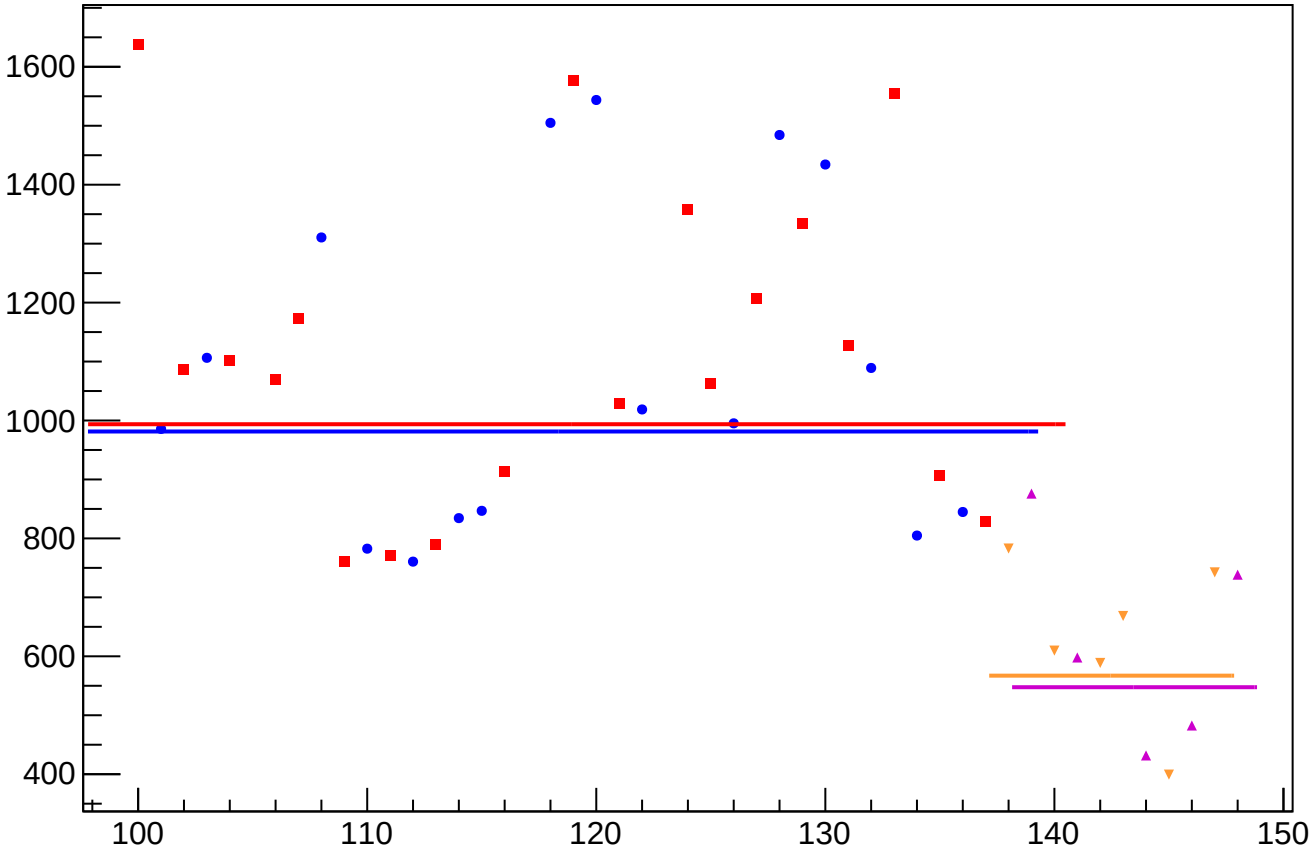
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 131.796+/-220.931 χ^2/NDF:28.0/20

Out: 190.048+/-222.877 χ^2/NDF:41.3/24

All: 160.667+/-156.905 χ^2/NDF: 69.4/45

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 567.170+/-0.196 χ^2/NDF:532301.9/5

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 547.564+/-0.193 χ^2/NDF:515430.8/4

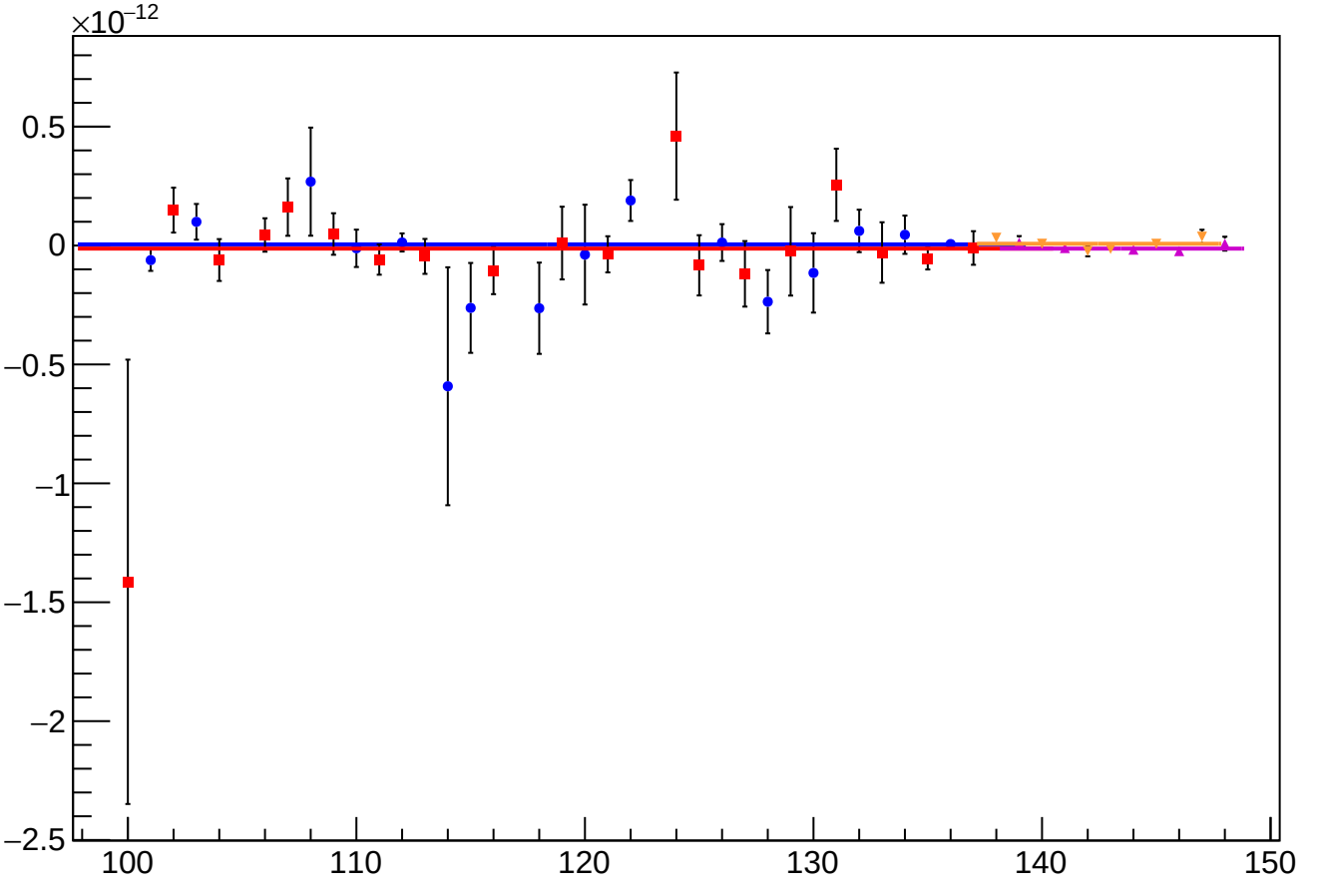
Left: 557.198+/-0.138 χ^2/NDF: 1052812.5/10

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 696.636+/-0.156 χ^2/NDF:2992142.9/20

Out: 718.441+/-0.158 χ^2/NDF:2928476.1/24

All: 707.443+/-0.111 χ^2/NDF: 5930274.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

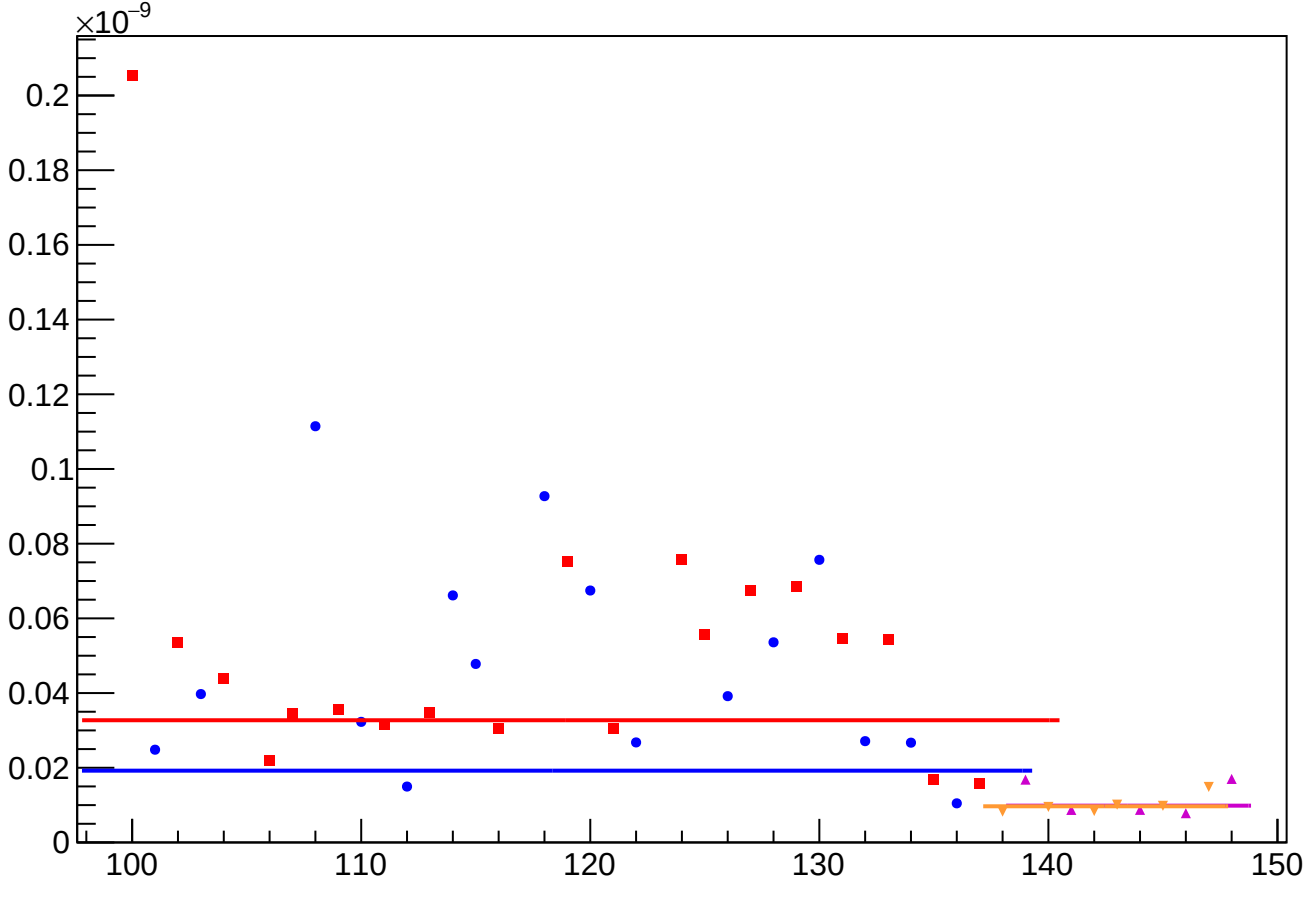
Left: -0.000+/-0.000 χ^2/NDF: 11.2/10

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:22.7/20

Out: 0.000+/-0.000 χ^2/NDF:25.4/24

All: -0.000+/-0.000 χ^2/NDF: 49.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:83223.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:300048.5/4

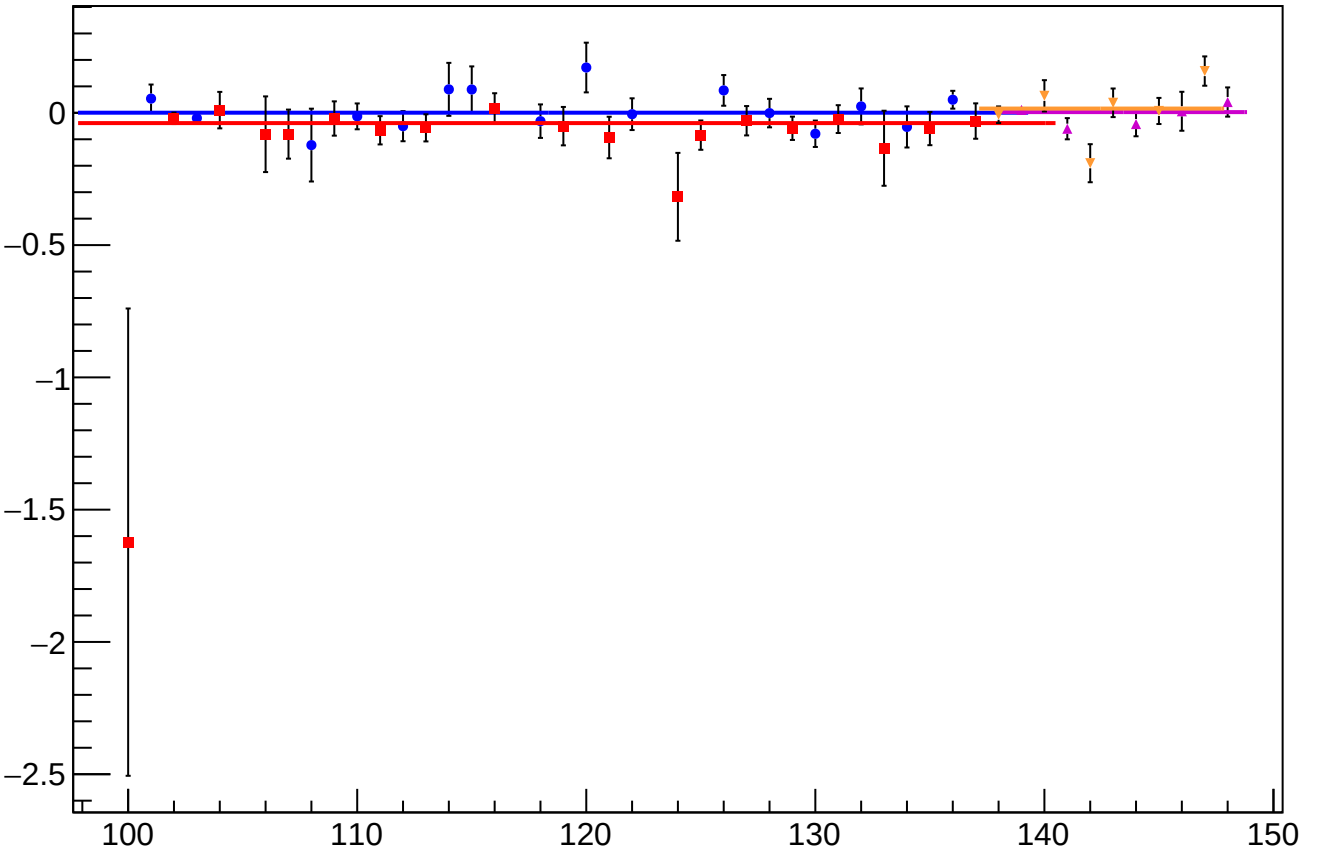
Left: 0.000+/-0.000 χ^2/NDF: 383704.8/10

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2912399.2/20

Out: 0.000+/-0.000 χ^2/NDF:3413713.6/24

All: 0.000+/-0.000 χ^2/NDF: 6330694.2/45



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.012 χ^2/NDF:4.3/4

Left: 0.006+/-0.010 χ^2/NDF: 20.8/10

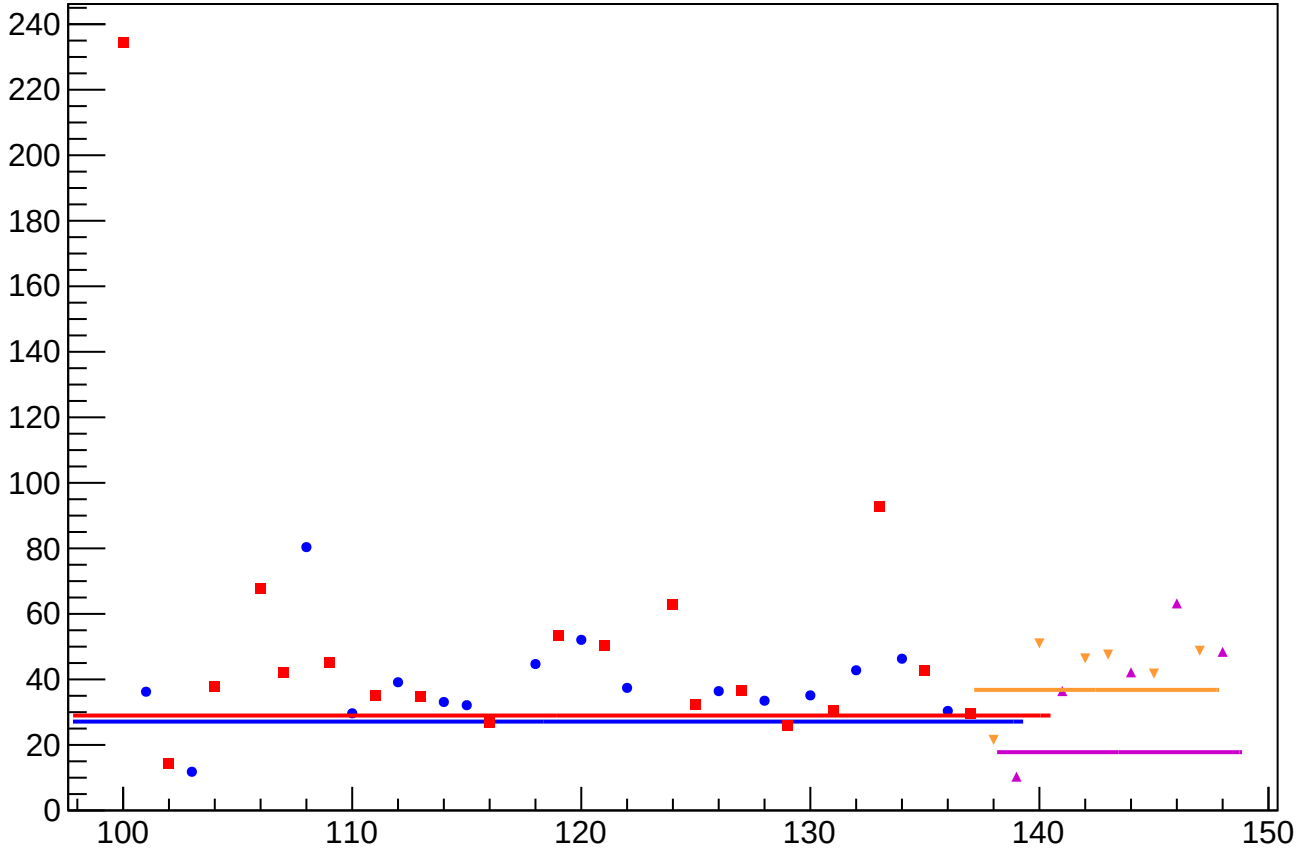
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.008+/-0.007 χ^2/NDF: 56.8/45

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 36.812+/-0.014 χ^2/NDF:816371.3/5

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

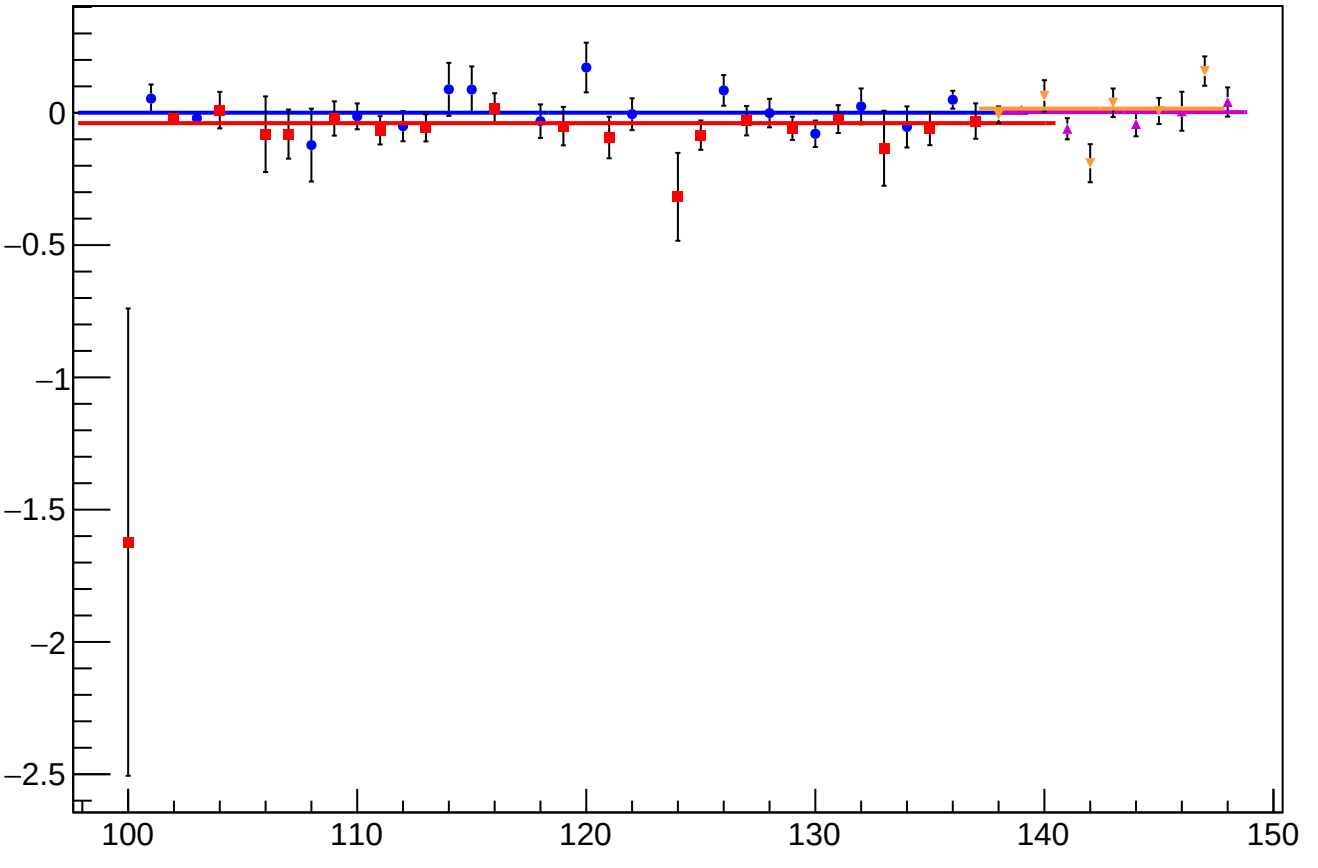
Left: 22.827+/-0.007 χ^2/NDF: 5167902.1/10

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.381+/-0.006 χ^2/NDF:6010642.0/20

Out: 31.259+/-0.008 χ^2/NDF:3496371.1/24

All: 25.808+/-0.005 χ^2/NDF: 10362253.1/45



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.012 χ^2/NDF:4.3/4

Left: 0.006+/-0.010 χ^2/NDF: 20.8/10

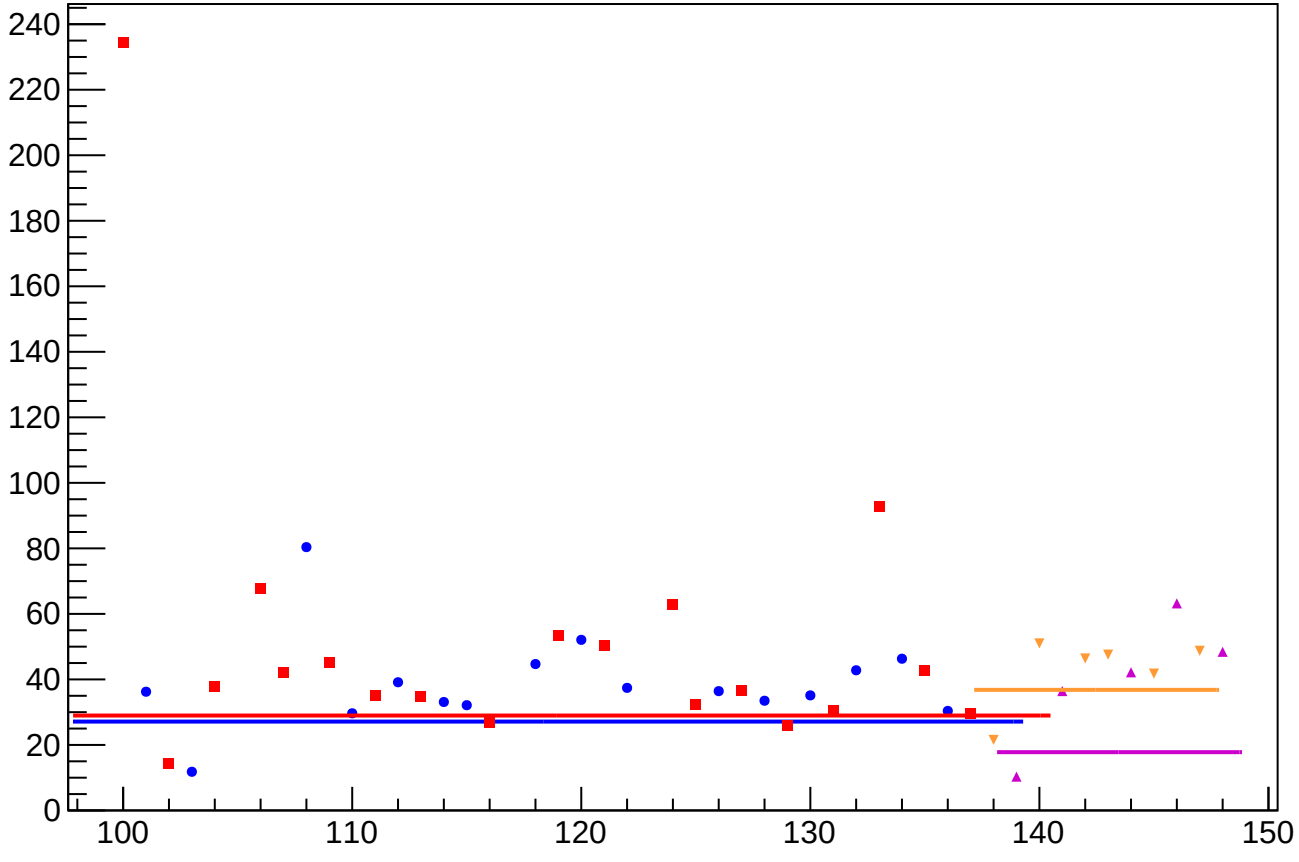
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.008+/-0.007 χ^2/NDF: 56.8/45

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: 36.812+/-0.014 χ^2/NDF:816371.3/5

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

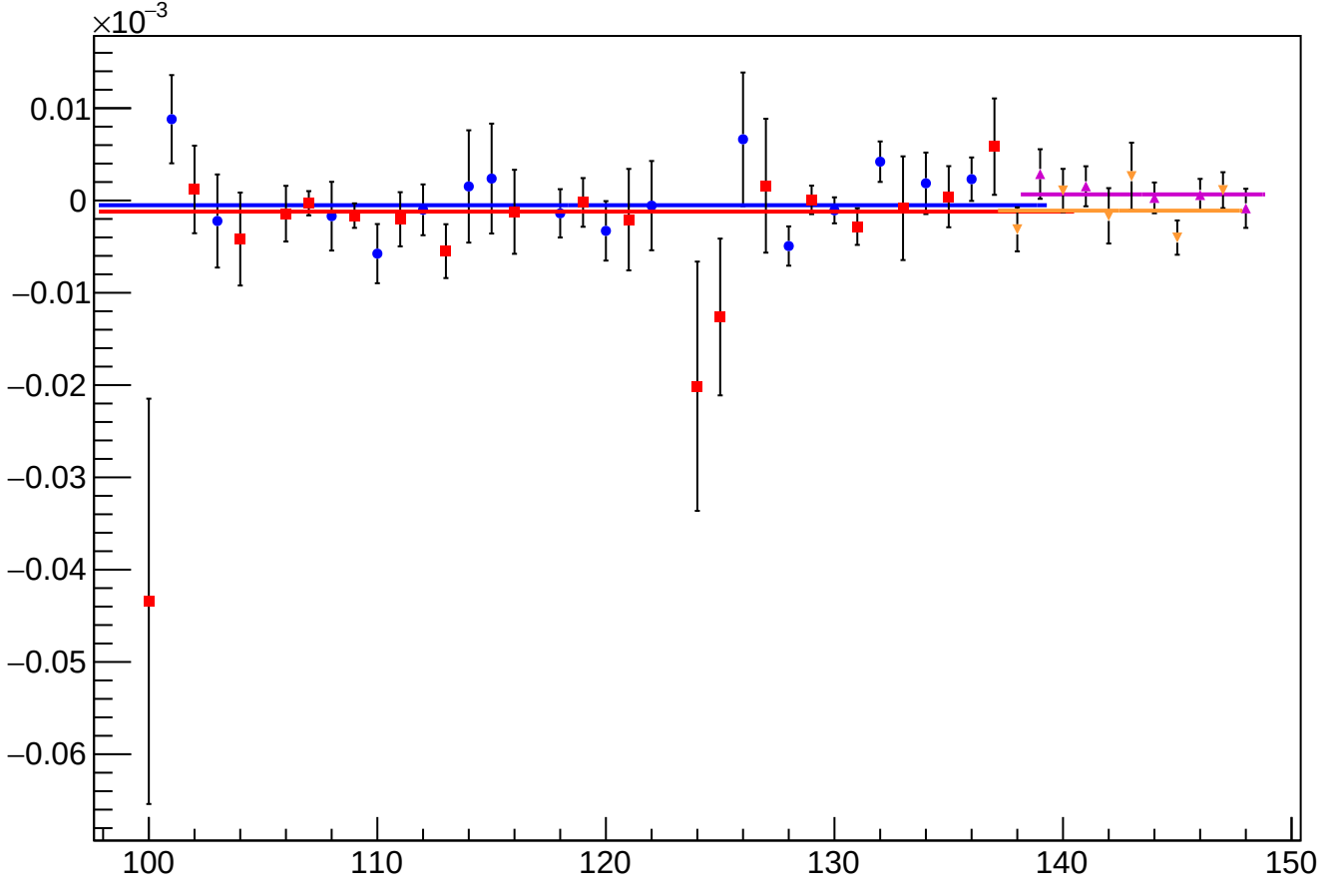
Left: 22.827+/-0.007 χ^2/NDF: 5167902.1/10

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.381+/-0.006 χ^2/NDF:6010642.0/20

Out: 31.259+/-0.008 χ^2/NDF:3496371.1/24

All: 25.808+/-0.005 χ^2/NDF: 10362253.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

Left: -0.000+/-0.000 χ^2/NDF: 9.7/10

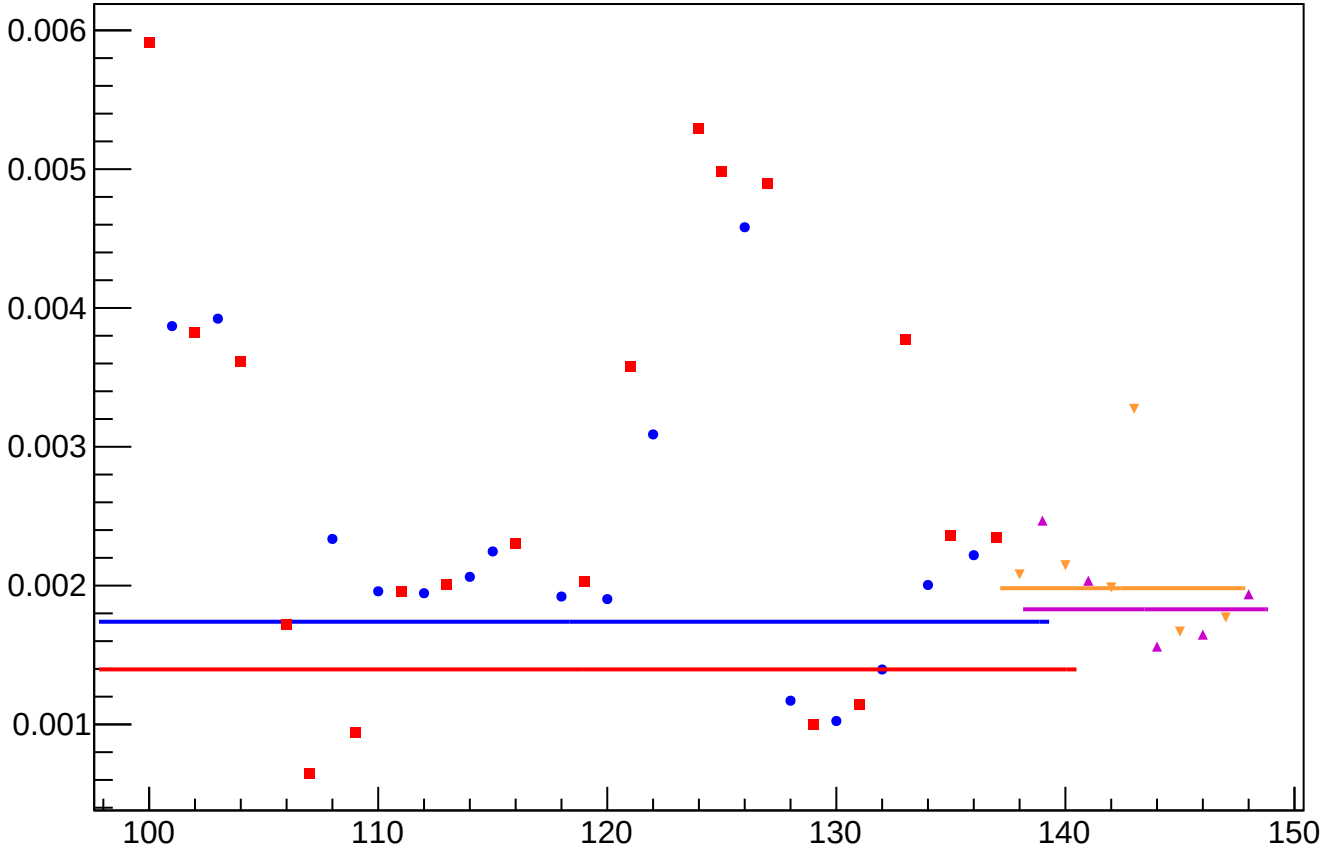
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:22.4/20

Out: -0.000+/-0.000 χ^2/NDF:21.1/24

All: -0.000+/-0.000 χ^2/NDF: 45.7/45

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:346513.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:210314.1/4

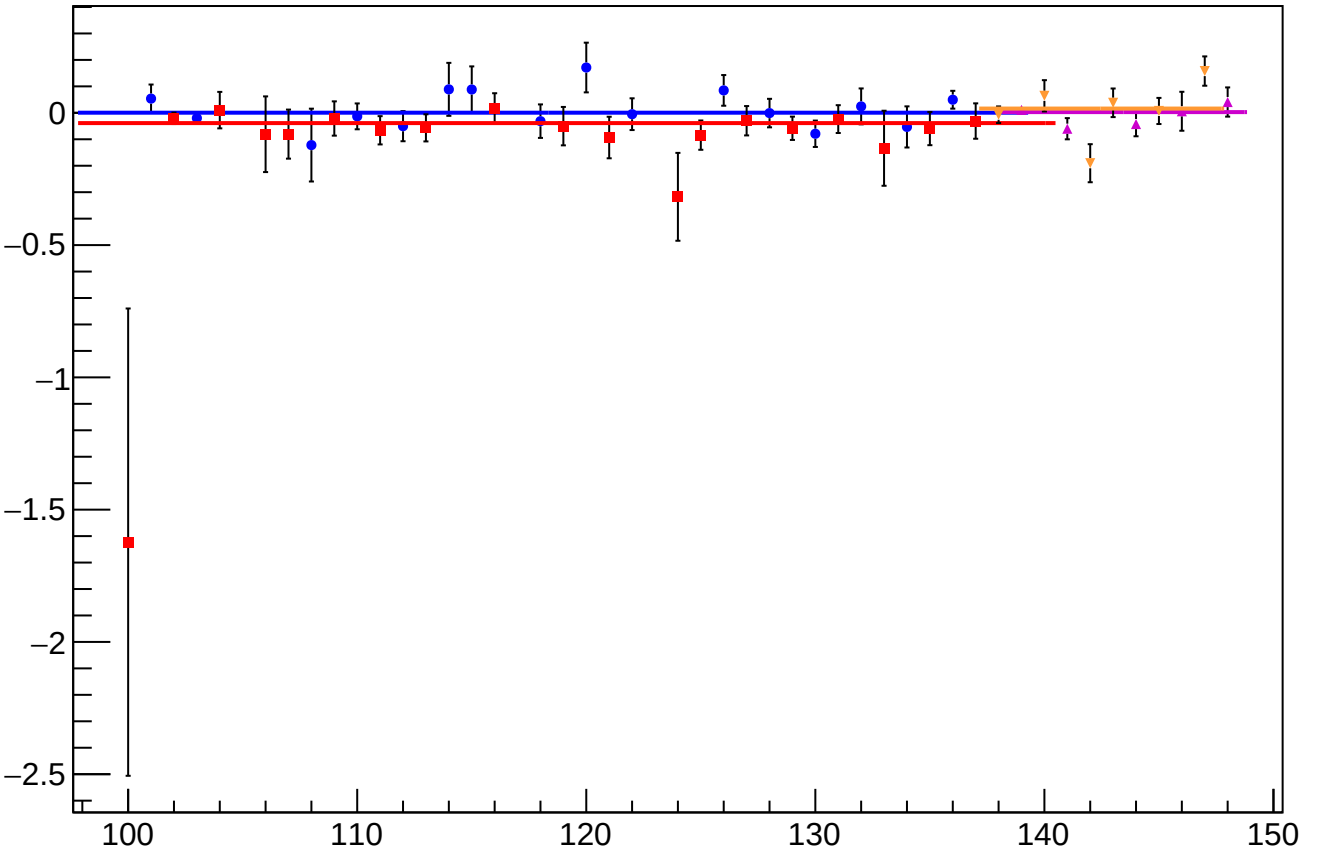
Left: 0.002+/-0.000 χ^2/NDF: 583954.8/10

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2369374.0/20

Out: 0.002+/-0.000 χ^2/NDF:5202102.8/24

All: 0.002+/-0.000 χ^2/NDF: 7721837.6/45



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.012 χ^2/NDF:4.3/4

Left: 0.006+/-0.010 χ^2/NDF: 20.8/10

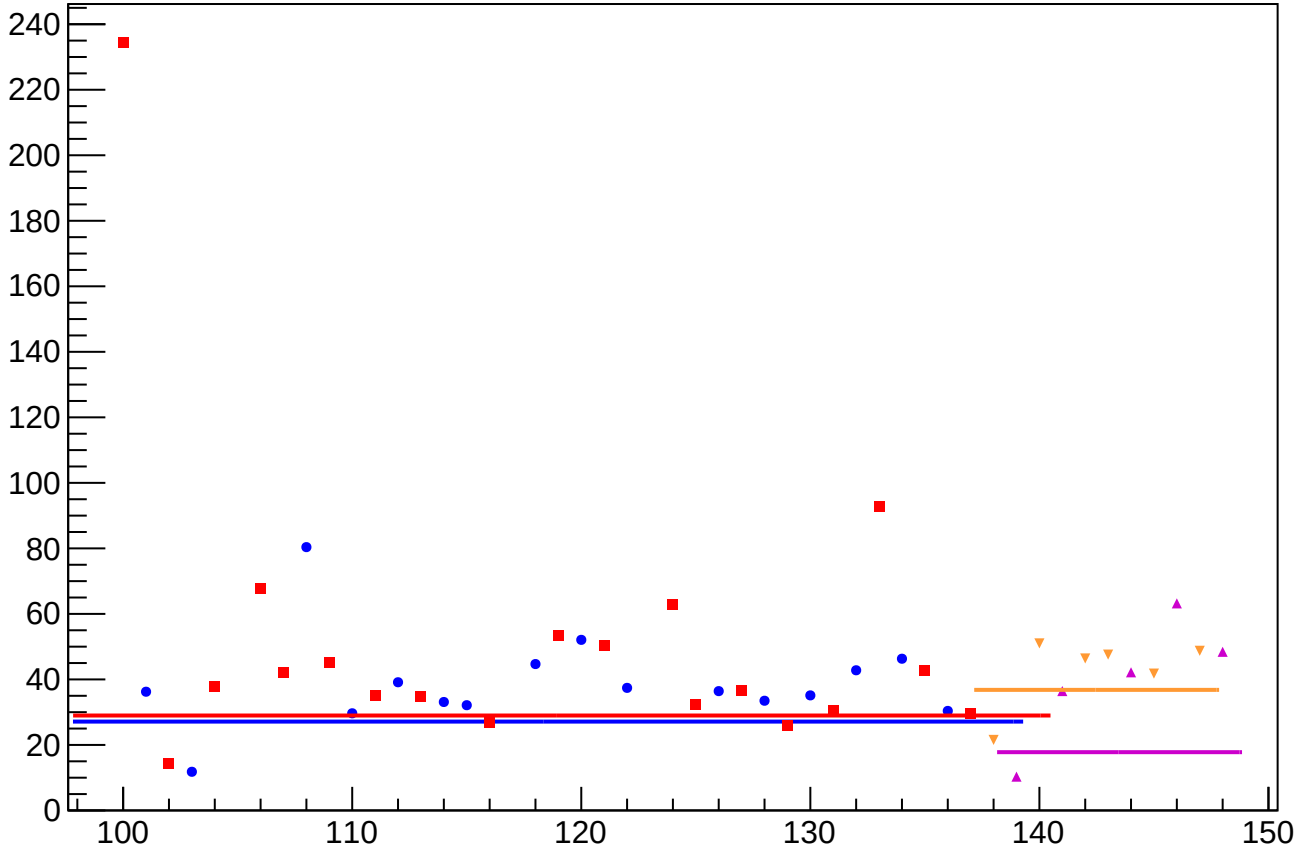
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.008+/-0.007 χ^2/NDF: 56.8/45

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: 36.810+/-0.014 χ^2/NDF:816722.3/5

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

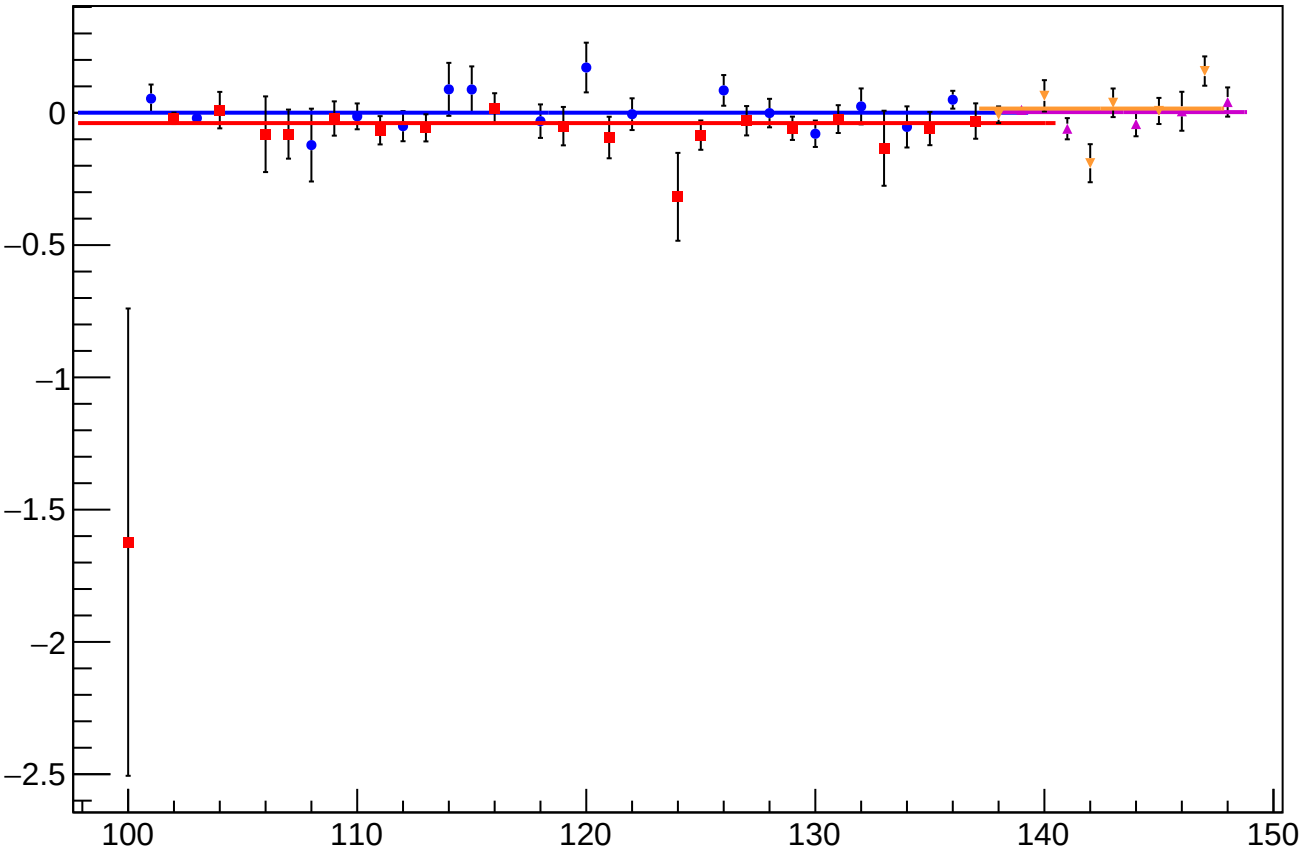
Left: 22.824+/-0.007 χ^2/NDF: 5168667.7/10

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.379+/-0.006 χ^2/NDF:6011539.5/20

Out: 31.261+/-0.008 χ^2/NDF:3495838.3/24

All: 25.807+/-0.005 χ^2/NDF: 10363235.9/45



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.012 χ^2/NDF:4.3/4

Left: 0.006+/-0.010 χ^2/NDF: 20.8/10

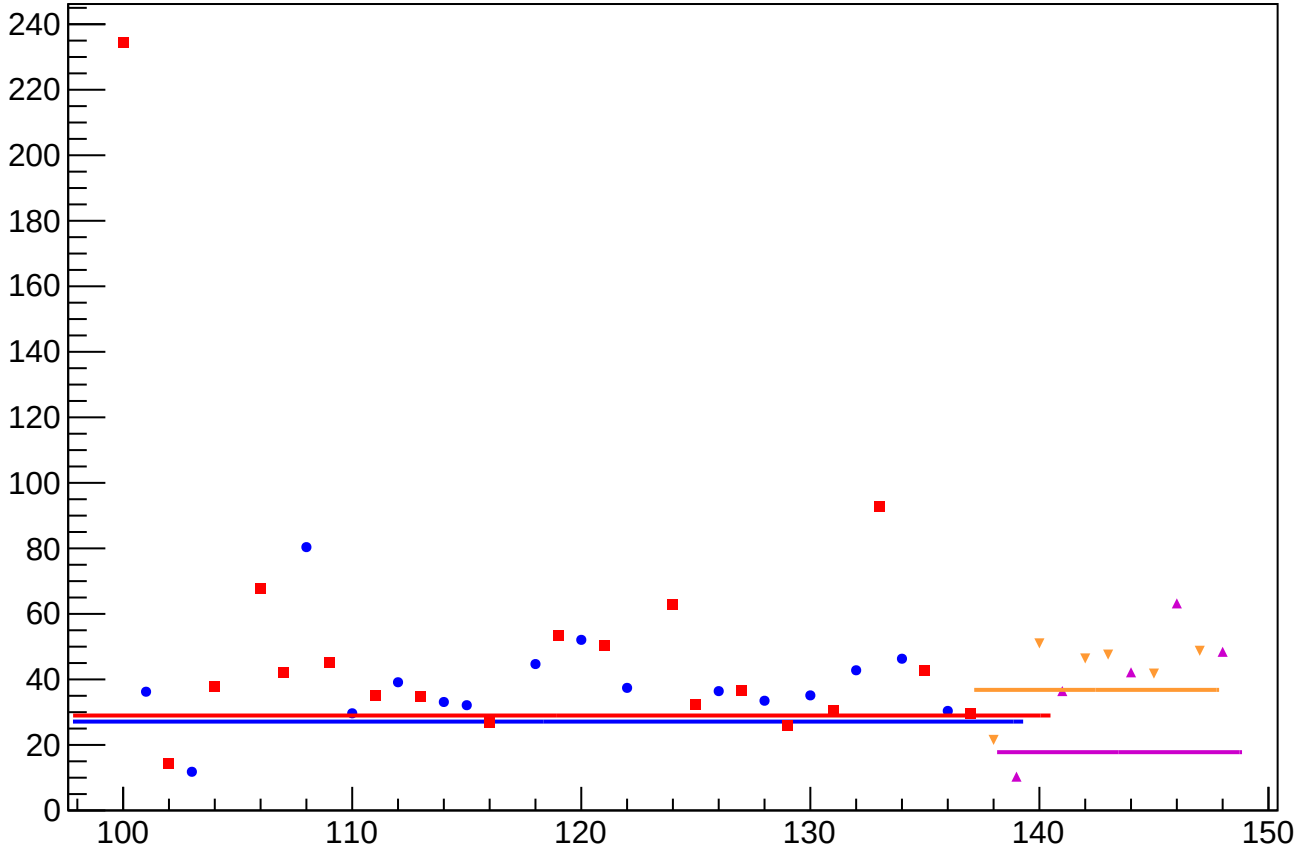
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.008+/-0.007 χ^2/NDF: 56.8/45

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: 36.810+/-0.014 χ^2/NDF:816722.3/5

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

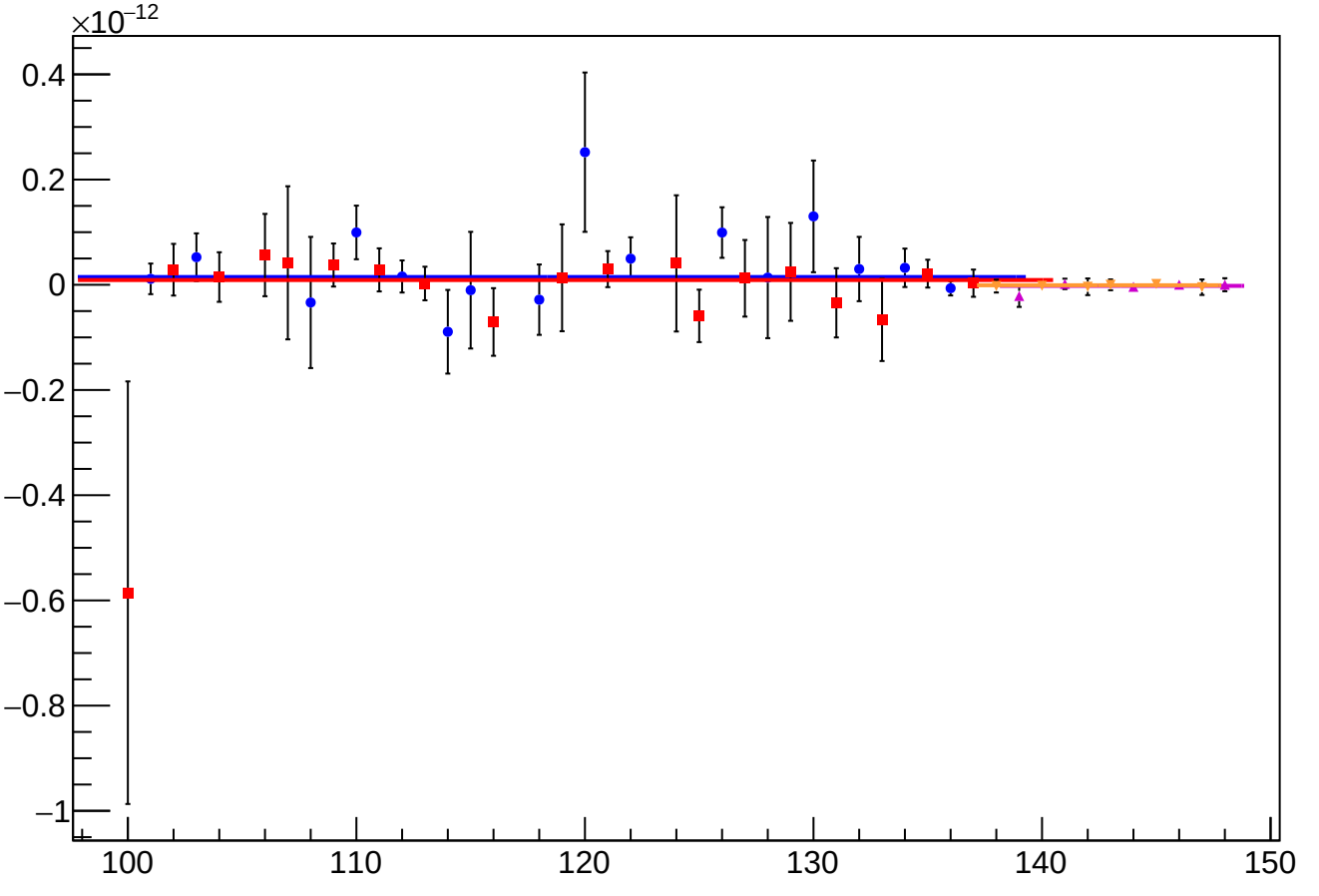
Left: 22.824+/-0.007 χ^2/NDF: 5168667.7/10

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.379+/-0.006 χ^2/NDF:6011539.5/20

Out: 31.261+/-0.008 χ^2/NDF:3495838.3/24

All: 25.807+/-0.005 χ^2/NDF: 10363235.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

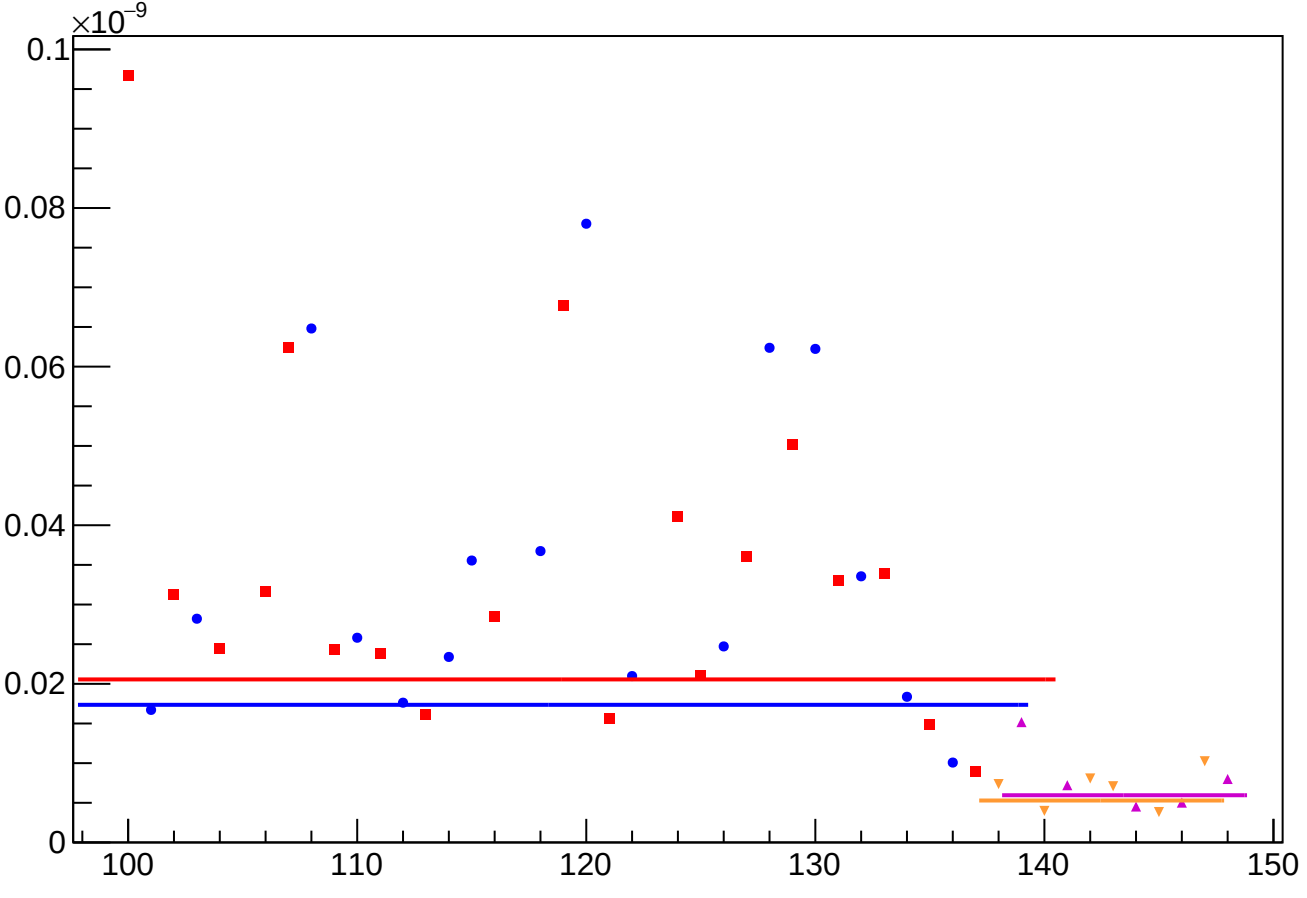
Left: -0.000+/-0.000 χ^2/NDF: 1.5/10

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:19.8/20

Out: 0.000+/-0.000 χ^2/NDF:10.1/24

All: 0.000+/-0.000 χ^2/NDF: 29.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:585616.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:600900.9/4

Left: 0.000+/-0.000 χ^2/NDF: 1214738.1/10

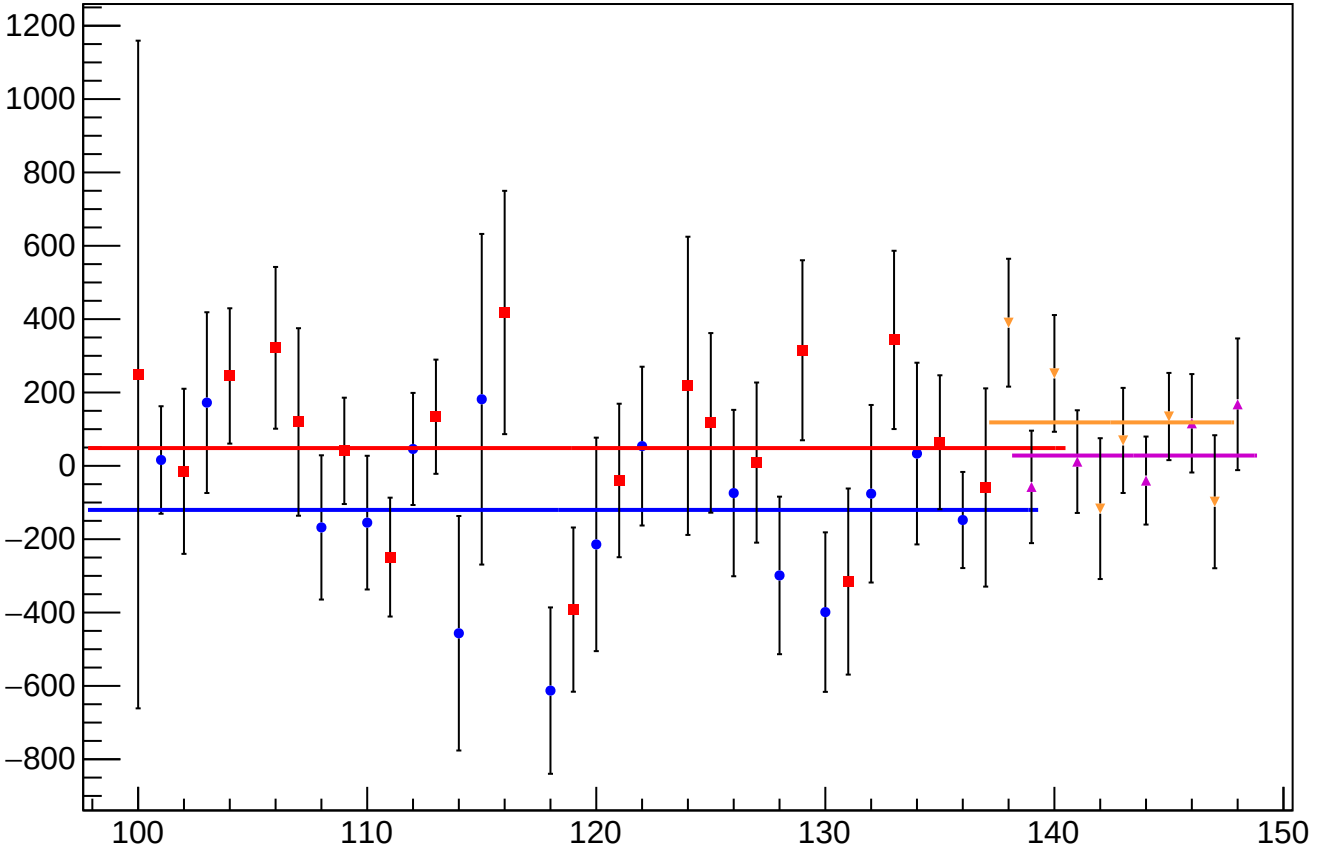
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5478625.3/20

Out: 0.000+/-0.000 χ^2/NDF:6065613.3/24

All: 0.000+/-0.000 χ^2/NDF: 11603867.2/45

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.467+/-63.326 χ^2/NDF:6.2/5

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 28.091+/-63.298 χ^2/NDF:1.7/4

Left: 73.259+/-44.769 χ^2/NDF: 8.9/10

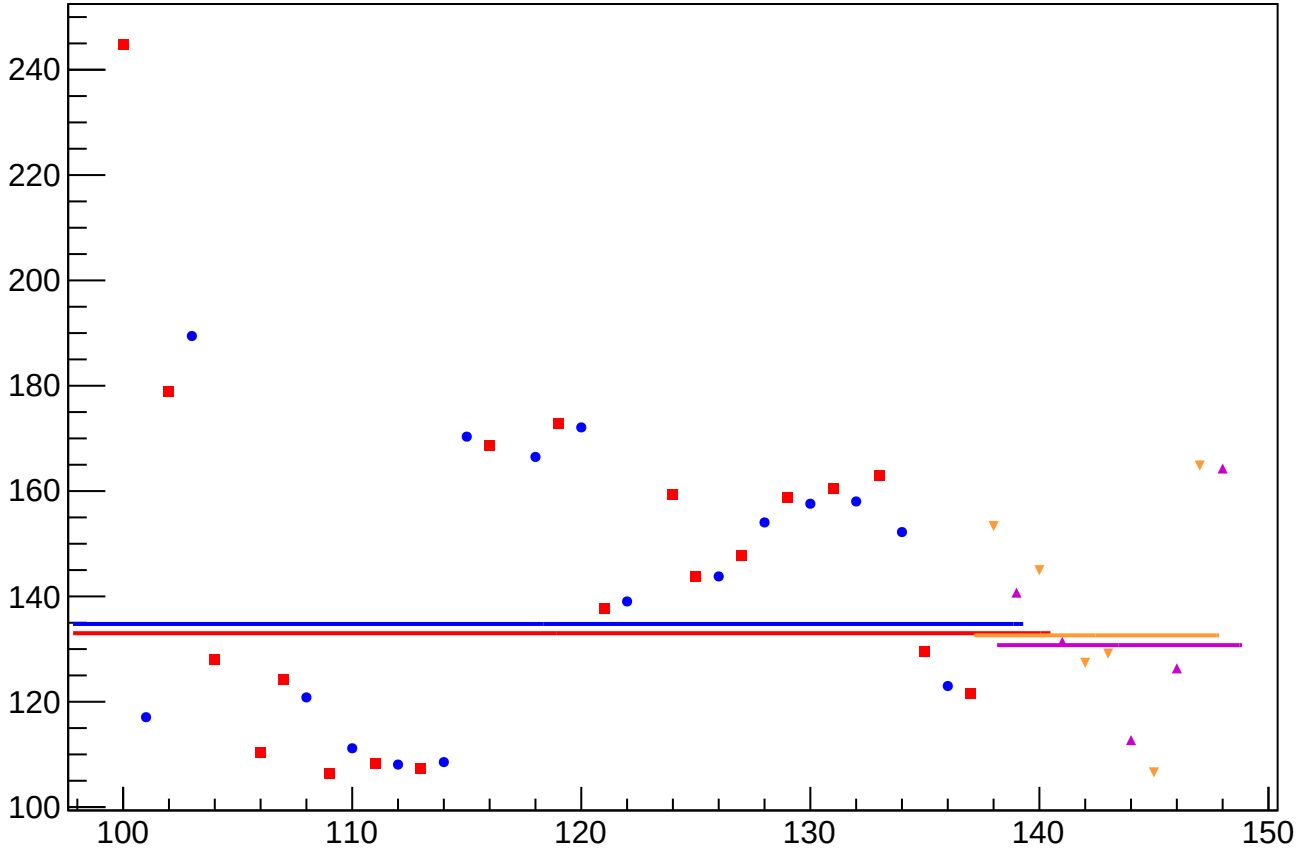
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -61.659+/-39.762 χ^2/NDF:18.4/20

Out: 75.276+/-39.199 χ^2/NDF:23.9/24

All: 7.785+/-27.915 χ^2/NDF: 48.4/45

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

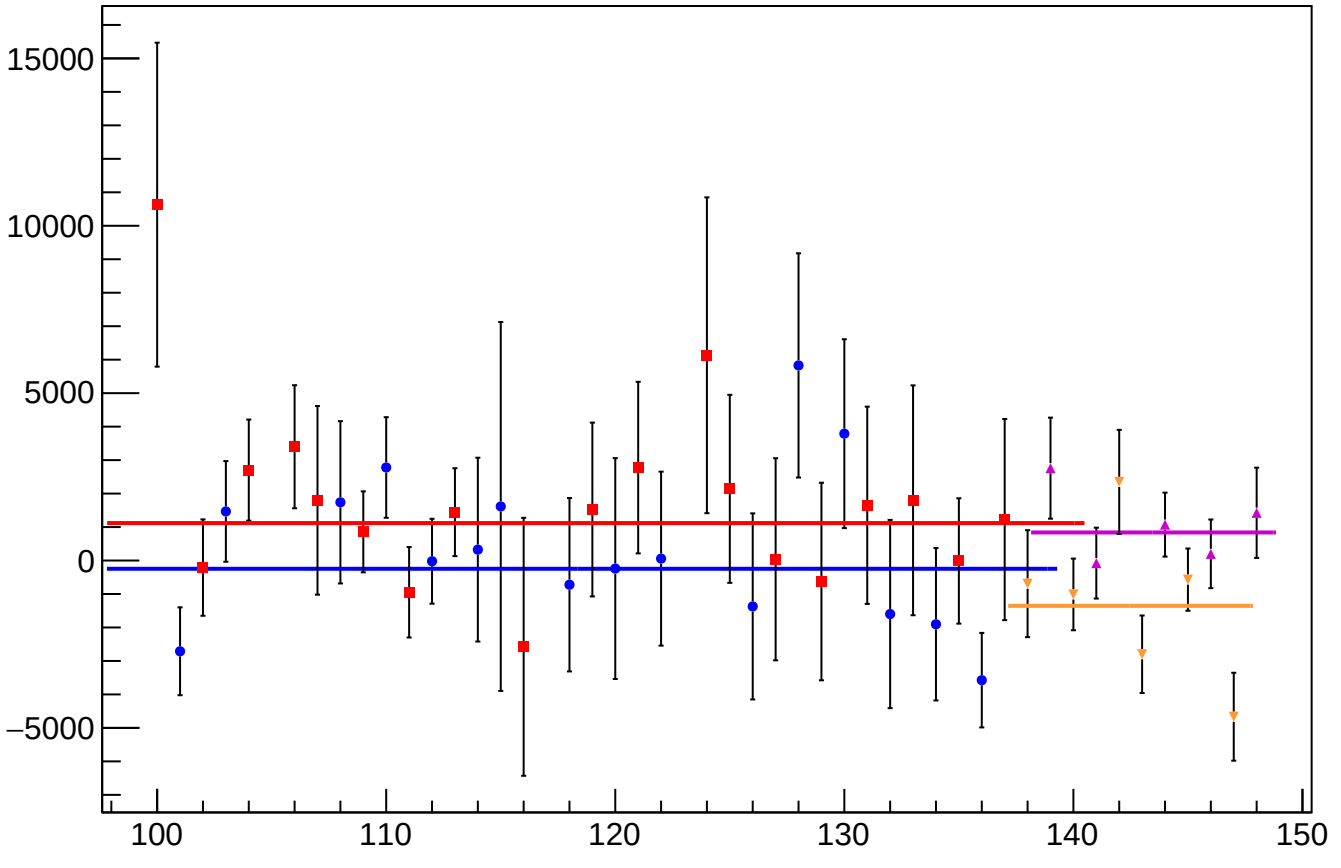
Left: 131.680+/-0.032 χ^2/NDF: 328450.9/10

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 133.185+/-0.028 χ^2/NDF:547264.8/20

Out: 132.863+/-0.028 χ^2/NDF:697754.9/24

All: 133.021+/-0.020 χ^2/NDF: 1245086.4/45



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1354.540+/-490.150 χ^2/NDF:14.6/5

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 838.589+/-504.529 χ^2/NDF:3.0/4

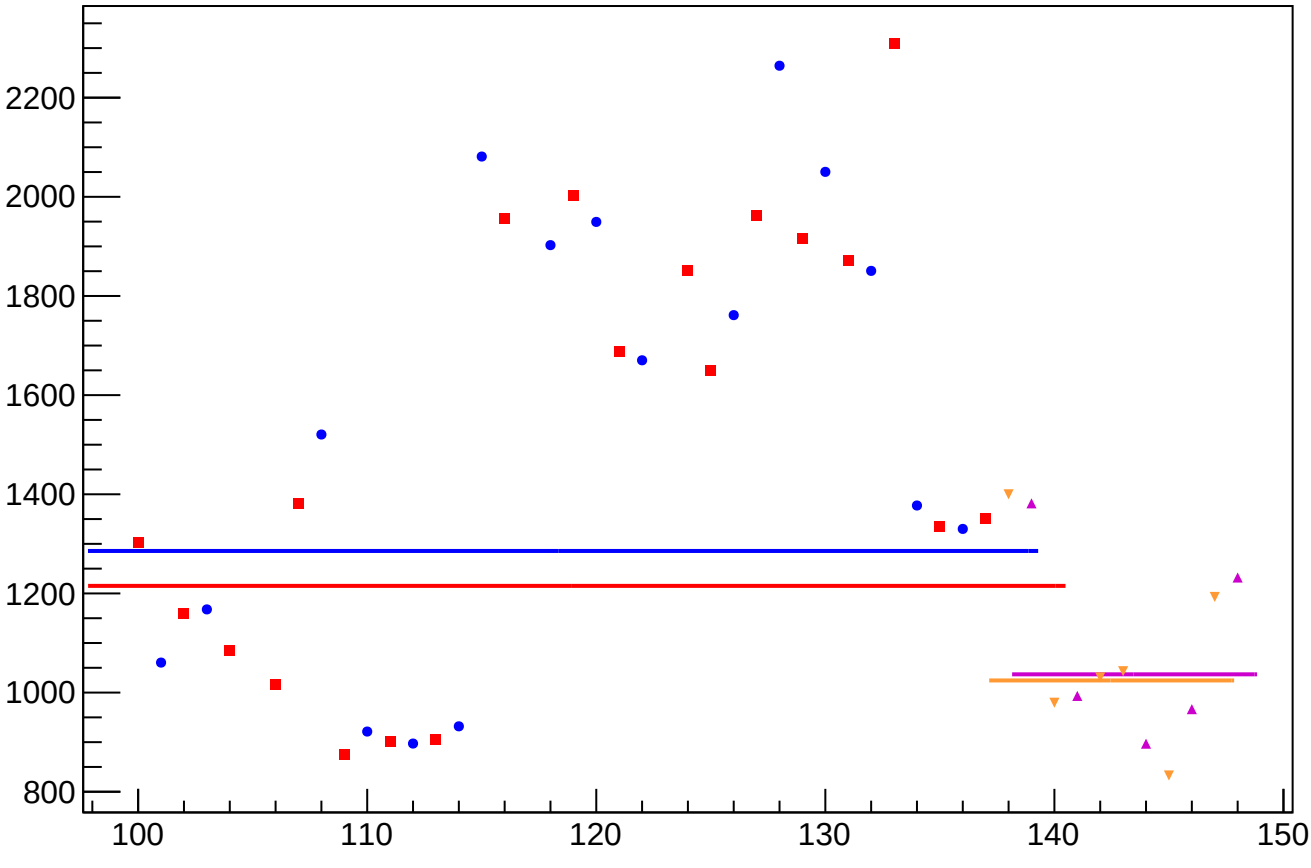
Left: -289.671+/-351.562 χ^2/NDF: 27.3/10

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 292.756+/-355.649 χ^2/NDF:26.9/20

Out: -61.452+/-338.637 χ^2/NDF:41.3/24

All: 106.978+/-245.246 χ^2/NDF: 68.8/45



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1024.486+/-0.347 χ^2/NDF:232458.4/5

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1036.829+/-0.357 χ^2/NDF:202129.0/4

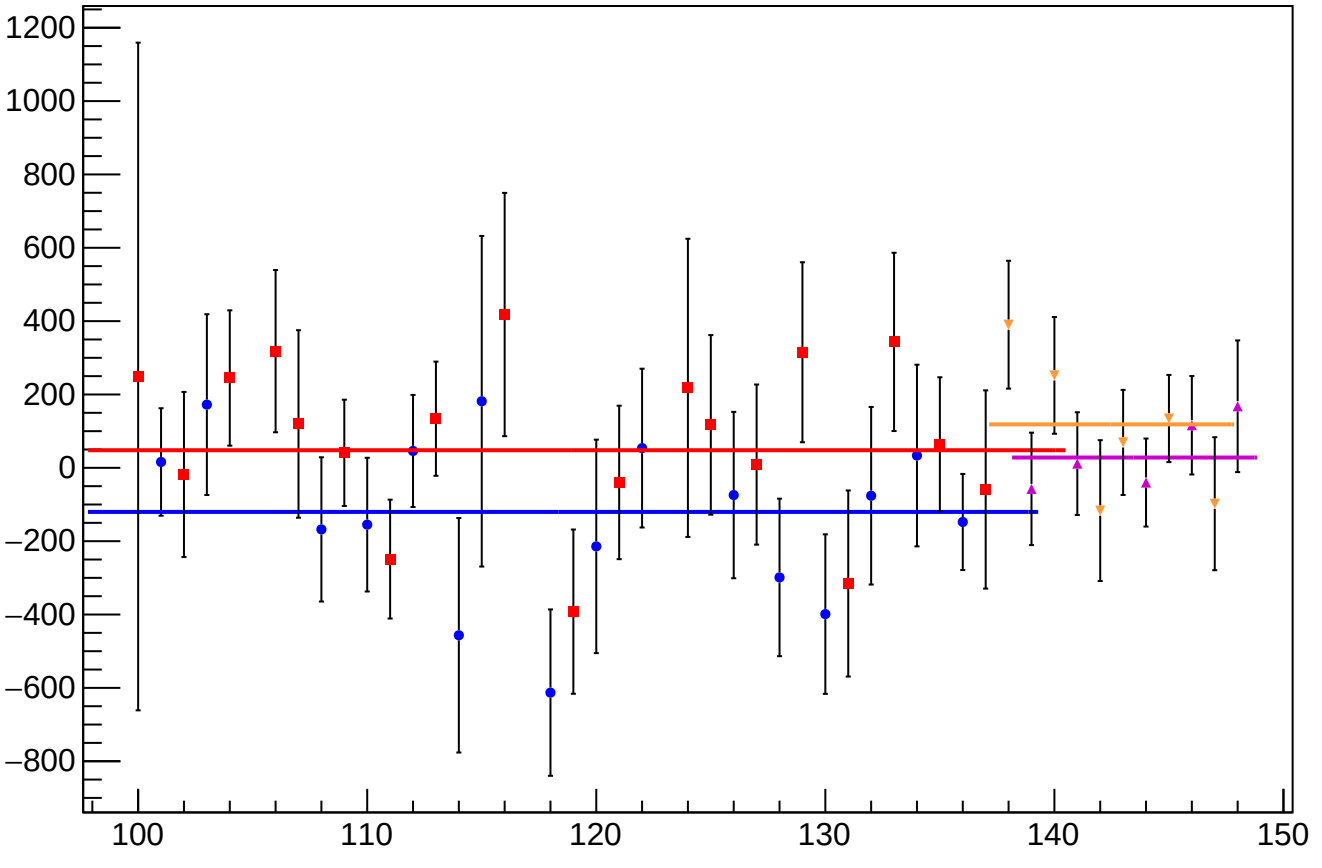
Left: 1030.479+/-0.249 χ^2/NDF: 435203.2/10

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1162.019+/-0.251 χ^2/NDF:1617330.1/20

Out: 1124.188+/-0.239 χ^2/NDF:1777070.3/24

All: 1142.177+/-0.173 χ^2/NDF: 3406269.7/45



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.489+/-63.326 χ^2/NDF:6.2/5

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 28.104+/-63.298 χ^2/NDF:1.7/4

Left: 73.276+/-44.769 χ^2/NDF: 8.9/10

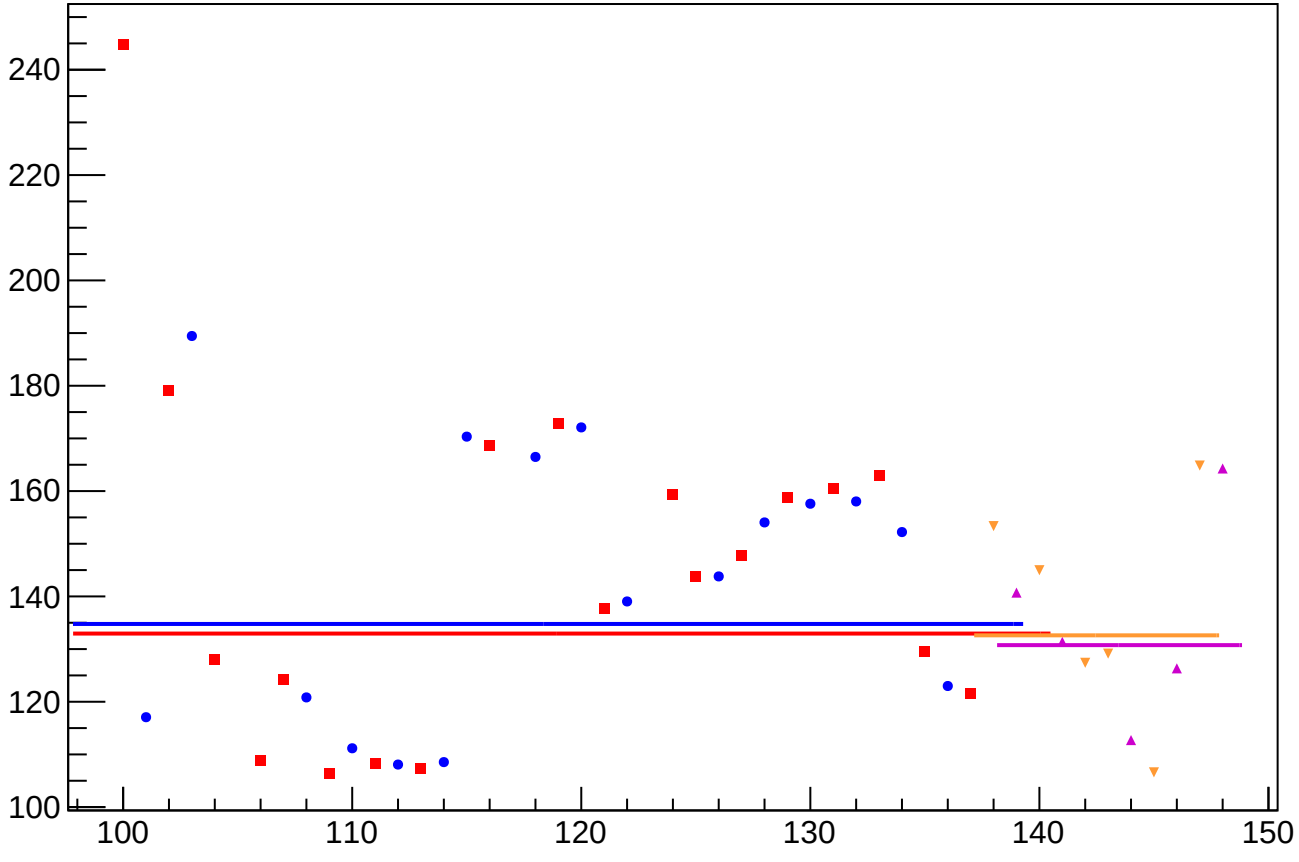
Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -61.661+/-39.762 χ^2/NDF:18.4/20

Out: 75.022+/-39.203 χ^2/NDF:23.9/24

All: 7.648+/-27.916 χ^2/NDF: 48.3/45

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

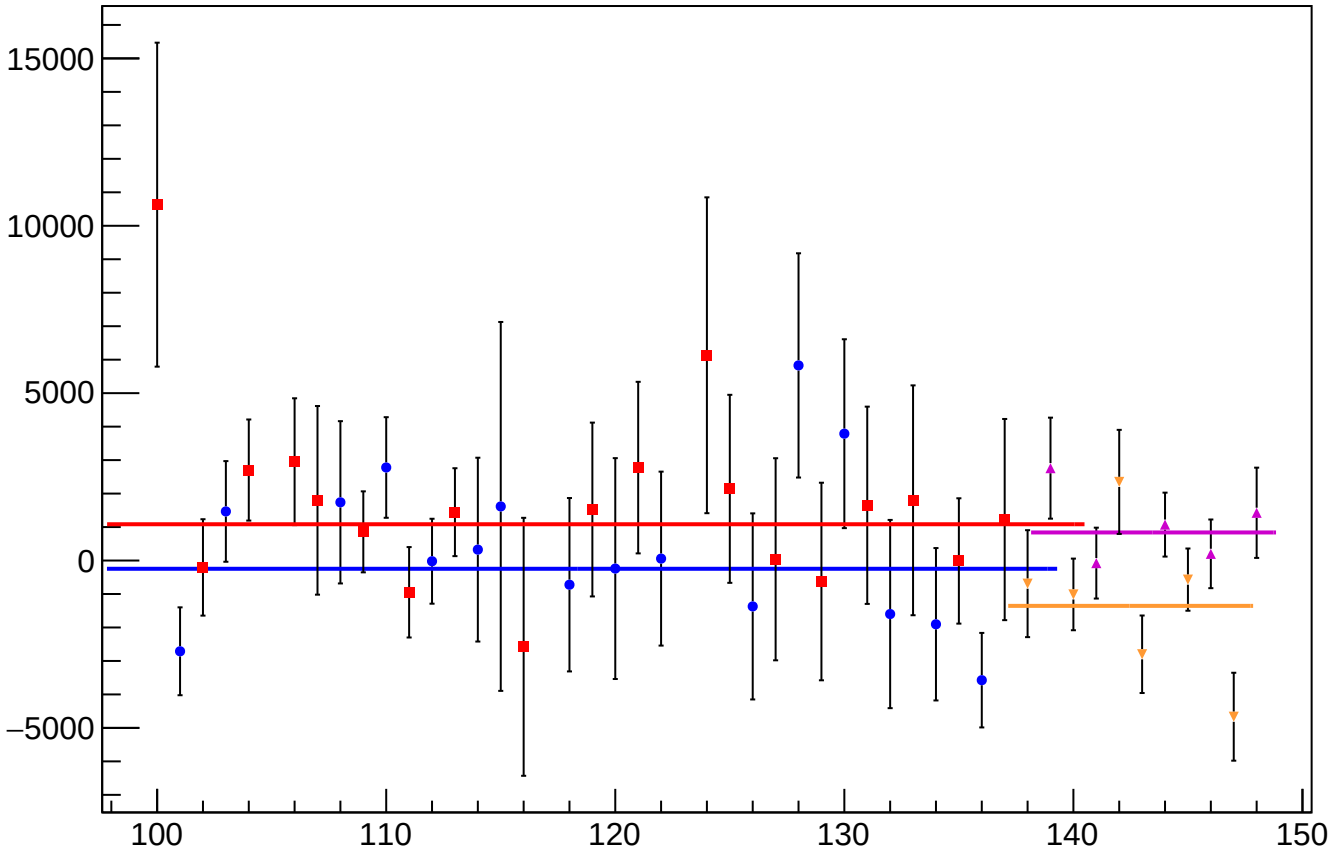
Left: 131.680+/-0.032 χ^2/NDF: 328450.9/10

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 133.185+/-0.028 χ^2/NDF:547268.0/20

Out: 132.818+/-0.028 χ^2/NDF:700871.8/24

All: 132.999+/-0.020 χ^2/NDF: 1248226.2/45



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 838.604+/-504.529 χ^2/NDF:3.0/4

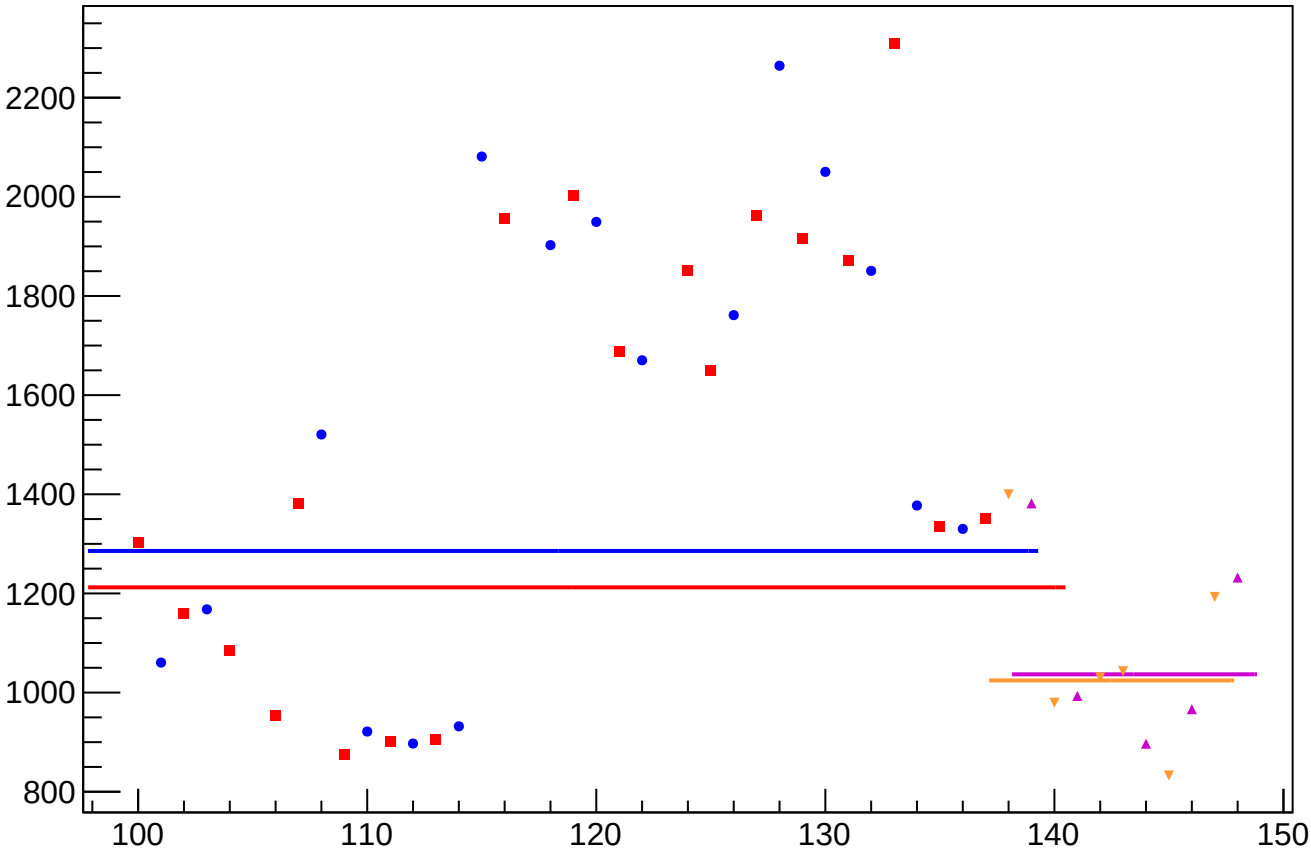
Left: -289.652+/-351.562 χ^2/NDF: 27.3/10

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 292.733+/-355.651 χ^2/NDF:26.9/20

Out: -82.302+/-338.985 χ^2/NDF:40.3/24

All: 96.223+/-245.379 χ^2/NDF: 67.8/45



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1024.485+/-0.347 χ^2/NDF:232459.4/5

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1036.830+/-0.357 χ^2/NDF:202127.4/4

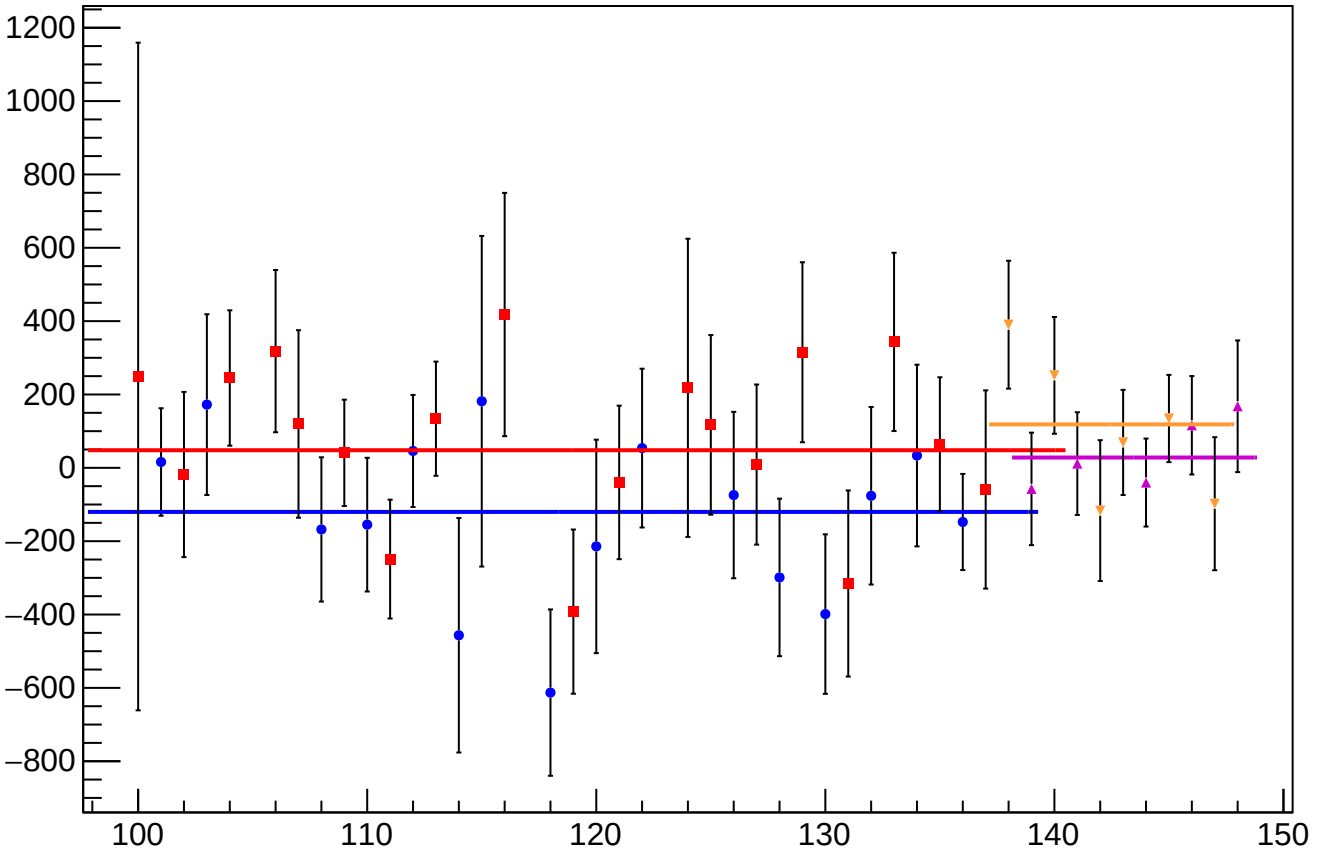
Left: 1030.479+/-0.249 χ^2/NDF: 435202.8/10

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1162.025+/-0.251 χ^2/NDF:1617326.8/20

Out: 1122.455+/-0.240 χ^2/NDF:1786251.2/24

All: 1141.291+/-0.174 χ^2/NDF: 3416550.8/45



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.489+/-63.326 χ^2/NDF:6.2/5

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 28.104+/-63.298 χ^2/NDF:1.7/4

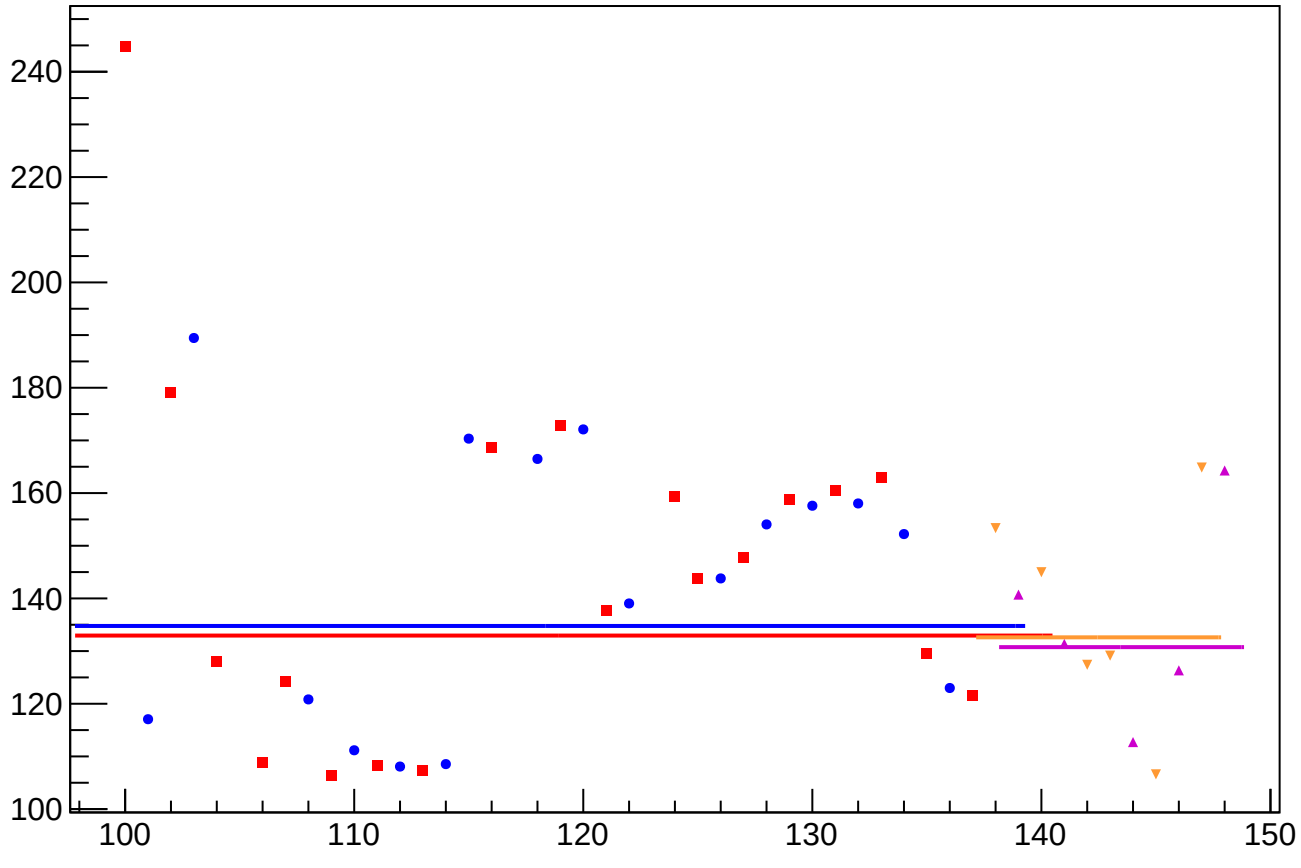
Left: 73.276+/-44.769 χ^2/NDF: 8.9/10

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -61.661+/-39.762 χ^2/NDF:18.4/20

Out: 75.022+/-39.203 χ^2/NDF:23.9/24

All: 7.648+/-27.916 χ^2/NDF: 48.3/45



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

Left: 131.680+/-0.032 χ^2/NDF: 328450.9/10

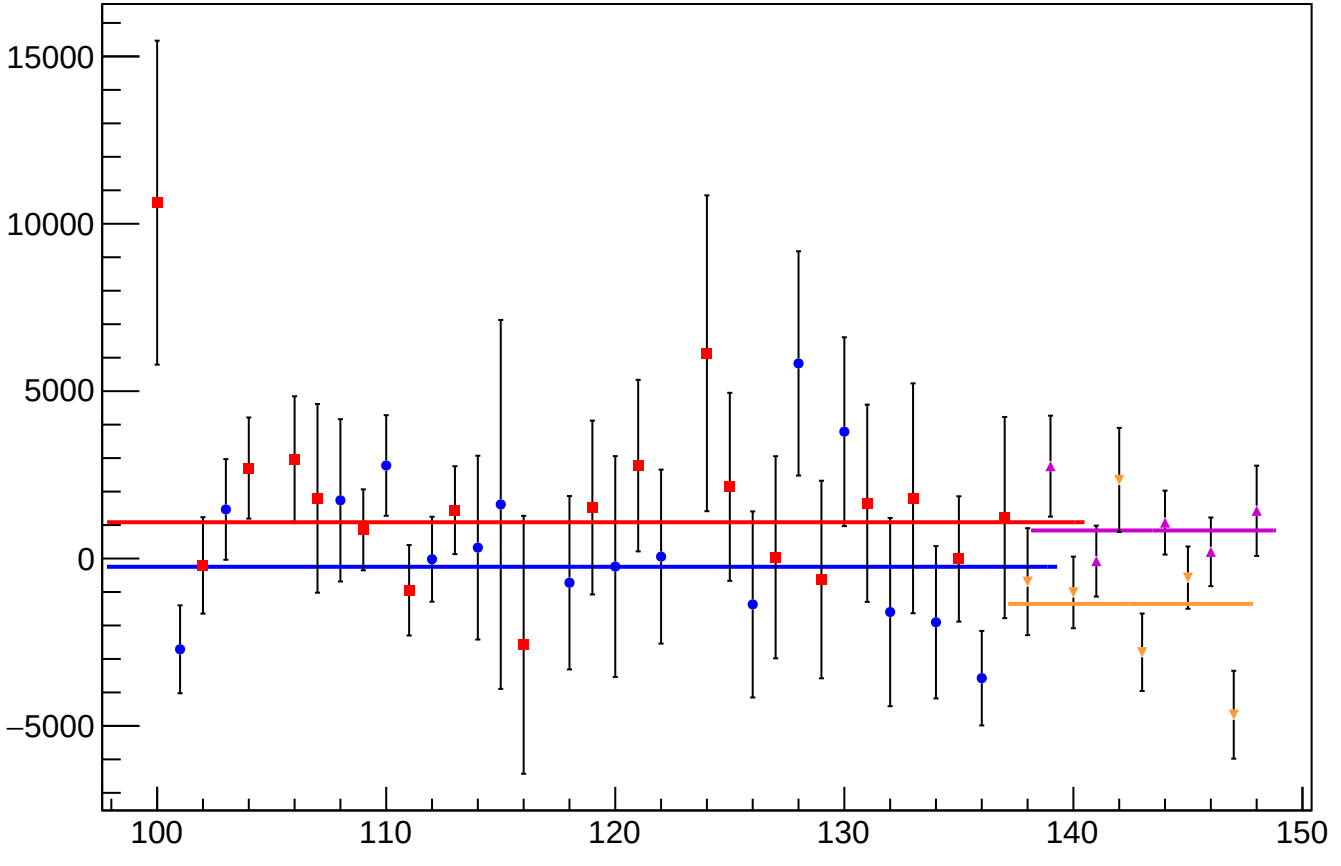
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 133.185+/-0.028 χ^2/NDF:547268.0/20

Out: 132.818+/-0.028 χ^2/NDF:700871.8/24

All: 132.999+/-0.020 χ^2/NDF: 1248226.2/45

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 838.604+/-504.529 χ^2/NDF:3.0/4

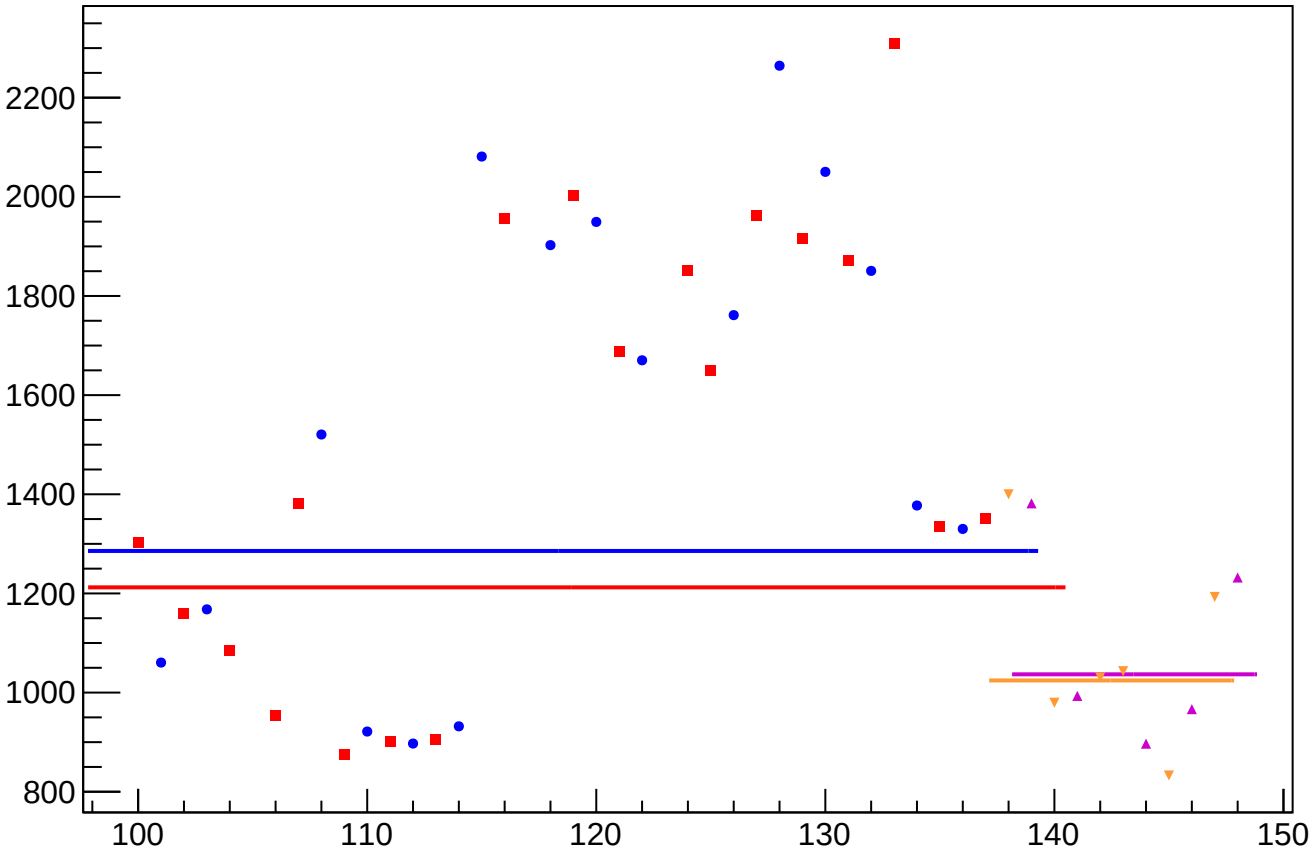
Left: -289.652+/-351.562 χ^2/NDF: 27.3/10

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 292.733+/-355.651 χ^2/NDF:26.9/20

Out: -82.302+/-338.985 χ^2/NDF:40.3/24

All: 96.223+/-245.379 χ^2/NDF: 67.8/45



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1024.485+/-0.347 χ^2/NDF:232459.4/5

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1036.830+/-0.357 χ^2/NDF:202127.4/4

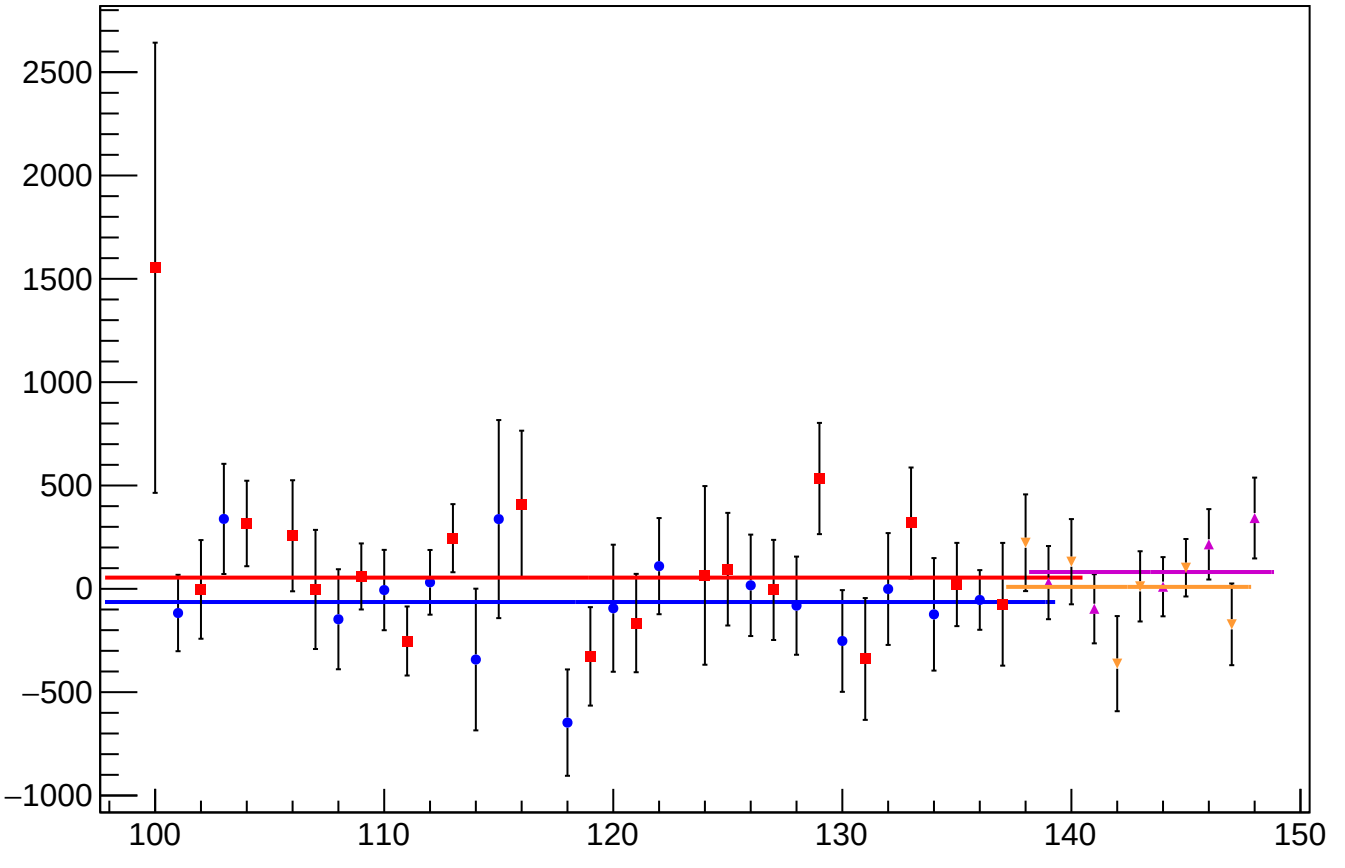
Left: 1030.479+/-0.249 χ^2/NDF: 435202.8/10

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1162.025+/-0.251 χ^2/NDF:1617326.8/20

Out: 1122.455+/-0.240 χ^2/NDF:1786251.2/24

All: 1141.291+/-0.174 χ^2/NDF: 3416550.8/45



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.410+/-76.120 χ^2/NDF:5.1/5

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 81.339+/-75.176 χ^2/NDF:3.9/4

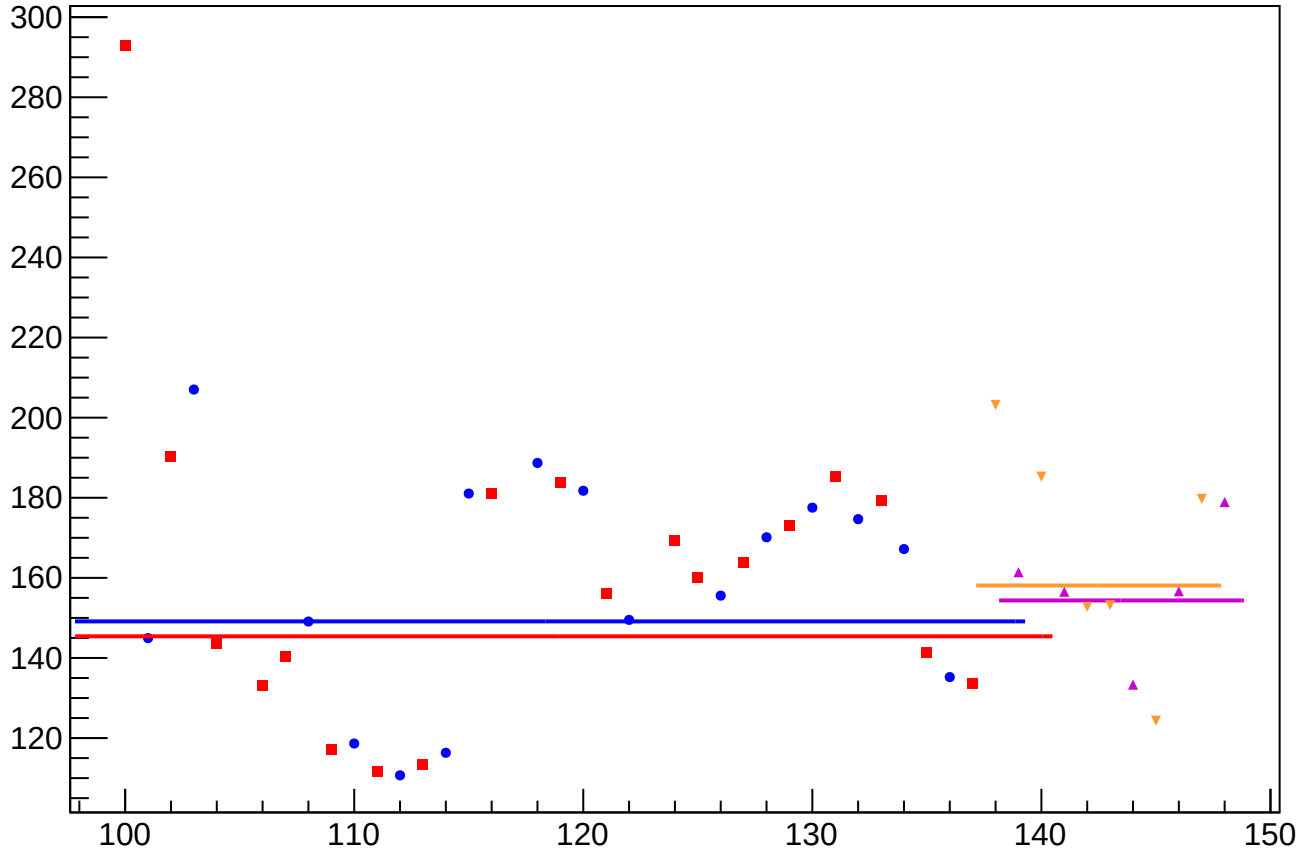
Left: 45.823+/-53.488 χ^2/NDF: 9.4/10

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -11.122+/-45.285 χ^2/NDF:17.0/20

Out: 39.001+/-44.443 χ^2/NDF:24.8/24

All: 14.410+/-31.720 χ^2/NDF: 42.5/45



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.089+/-0.054 χ^2/NDF:253625.1/5

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 154.362+/-0.053 χ^2/NDF:78487.9/4

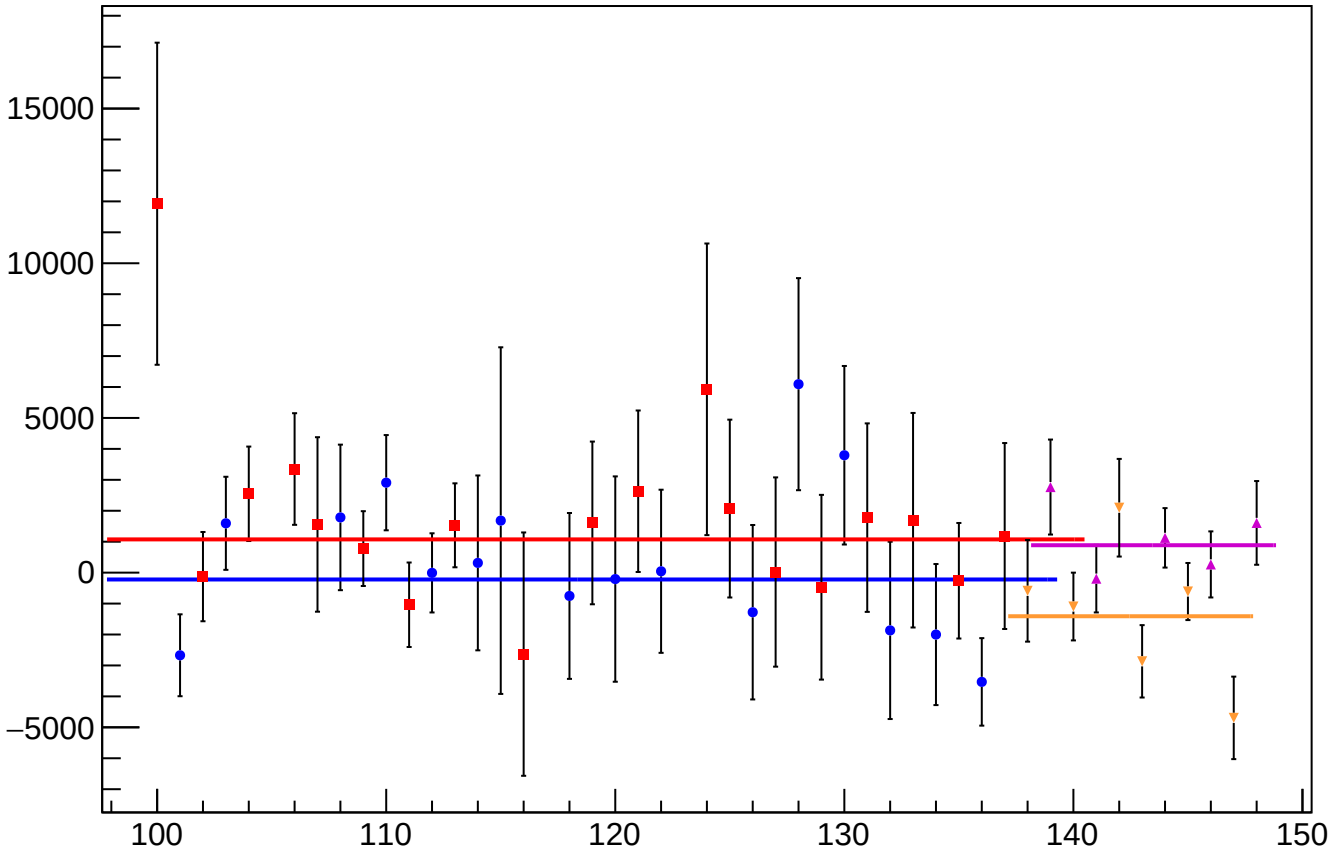
Left: 156.202+/-0.038 χ^2/NDF: 334541.2/10

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 151.029+/-0.032 χ^2/NDF:535662.1/20

Out: 149.725+/-0.031 χ^2/NDF:816083.2/24

All: 150.365+/-0.022 χ^2/NDF: 1352589.3/45



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1409.622+/-495.428 χ^2/NDF:13.6/5

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 886.036+/-515.149 χ^2/NDF:3.2/4

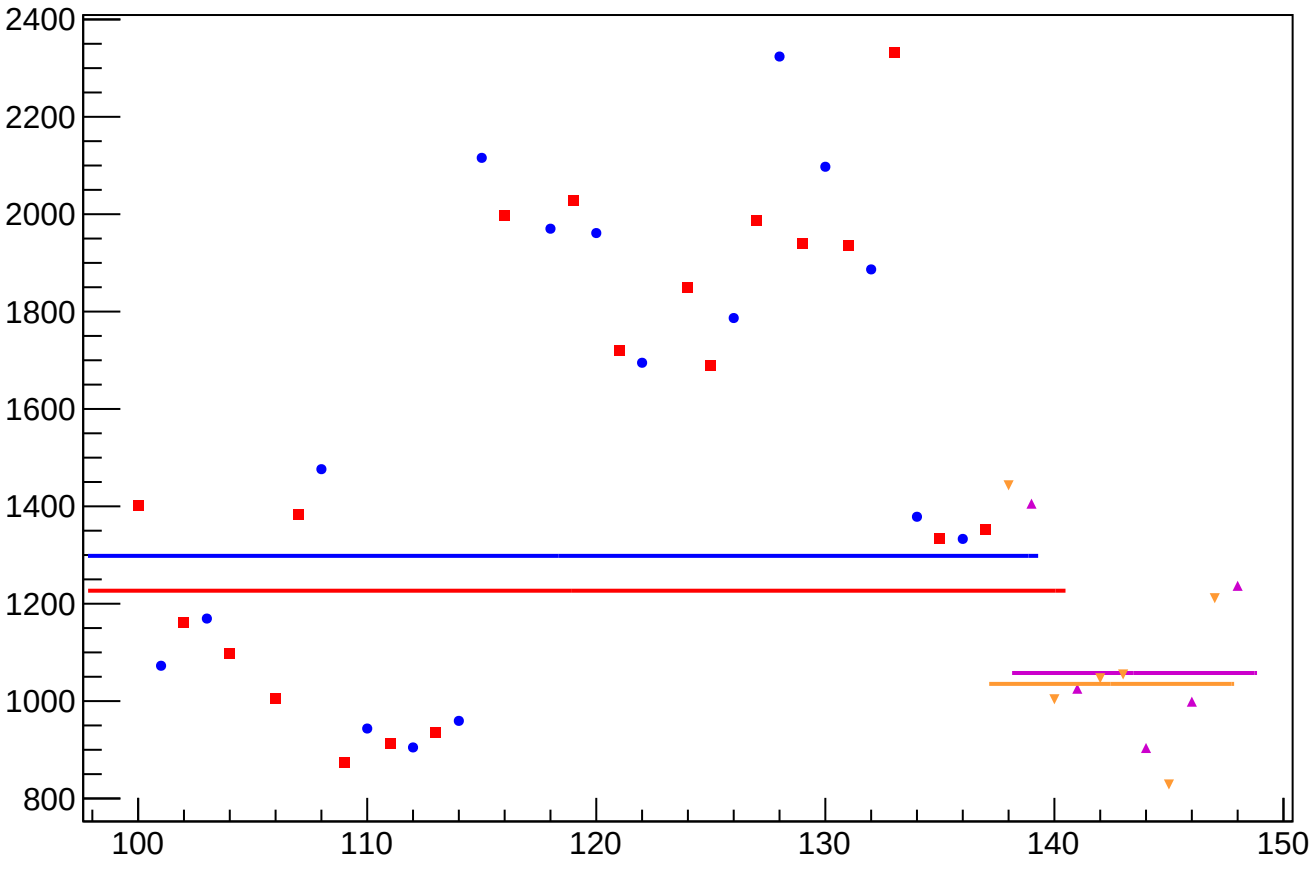
Left: -306.574+/-357.089 χ^2/NDF: 27.1/10

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 322.699+/-361.060 χ^2/NDF:27.4/20

Out: -109.615+/-342.046 χ^2/NDF:40.4/24

All: 94.859+/-248.313 χ^2/NDF: 68.5/45



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1035.351+/-0.350 χ^2/NDF:260763.9/5

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1057.718+/-0.364 χ^2/NDF:196827.2/4

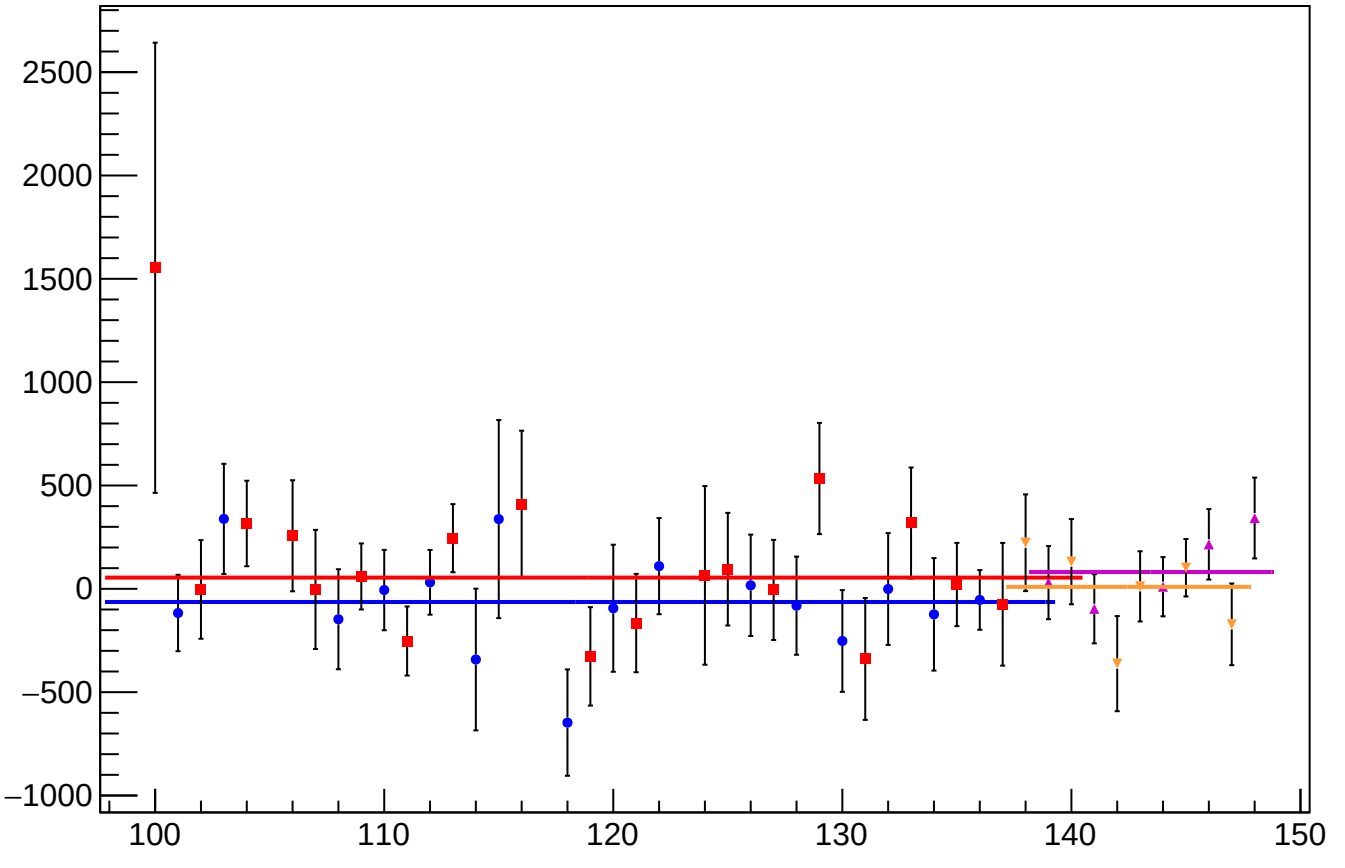
Left: 1046.098+/-0.252 χ^2/NDF: 459549.8/10

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1180.113+/-0.255 χ^2/NDF:1600861.3/20

Out: 1135.507+/-0.242 χ^2/NDF:1821469.1/24

All: 1156.604+/-0.176 χ^2/NDF: 3438418.0/45



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.409+/-76.120 χ^2/NDF:5.1/5

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 81.339+/-75.176 χ^2/NDF:3.9/4

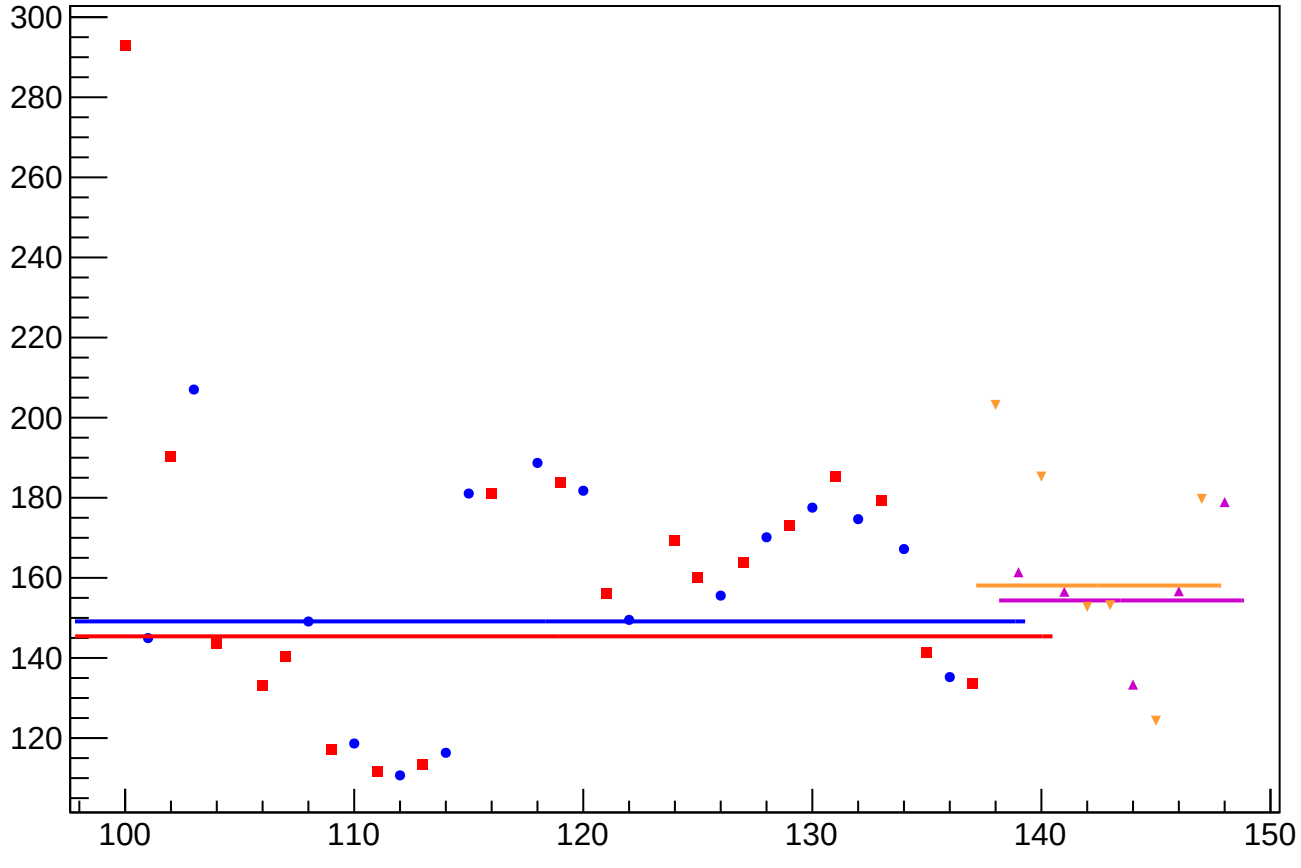
Left: 45.823+/-53.488 χ^2/NDF: 9.4/10

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -11.120+/-45.285 χ^2/NDF:17.0/20

Out: 39.000+/-44.443 χ^2/NDF:24.8/24

All: 14.410+/-31.720 χ^2/NDF: 42.5/45



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.090+/-0.054 χ^2/NDF:253618.9/5

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.362+/-0.053 χ^2/NDF:78486.3/4

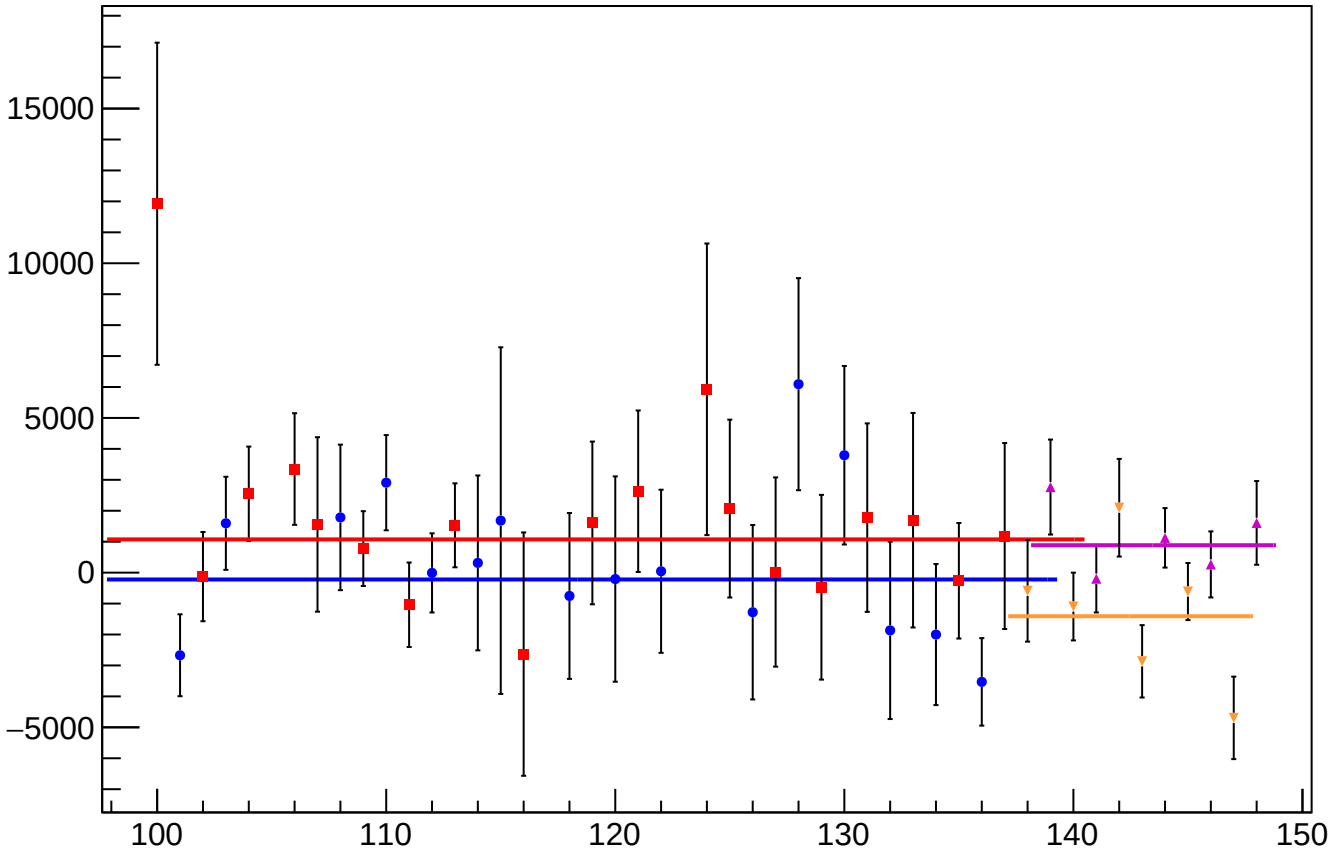
Left: 156.203+/-0.038 χ^2/NDF: 334533.5/10

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 151.029+/-0.032 χ^2/NDF:535662.9/20

Out: 149.725+/-0.031 χ^2/NDF:816082.2/24

All: 150.365+/-0.022 χ^2/NDF: 1352589.1/45



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1409.621+/-495.427 χ^2/NDF:13.6/5

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 886.036+/-515.148 χ^2/NDF:3.2/4

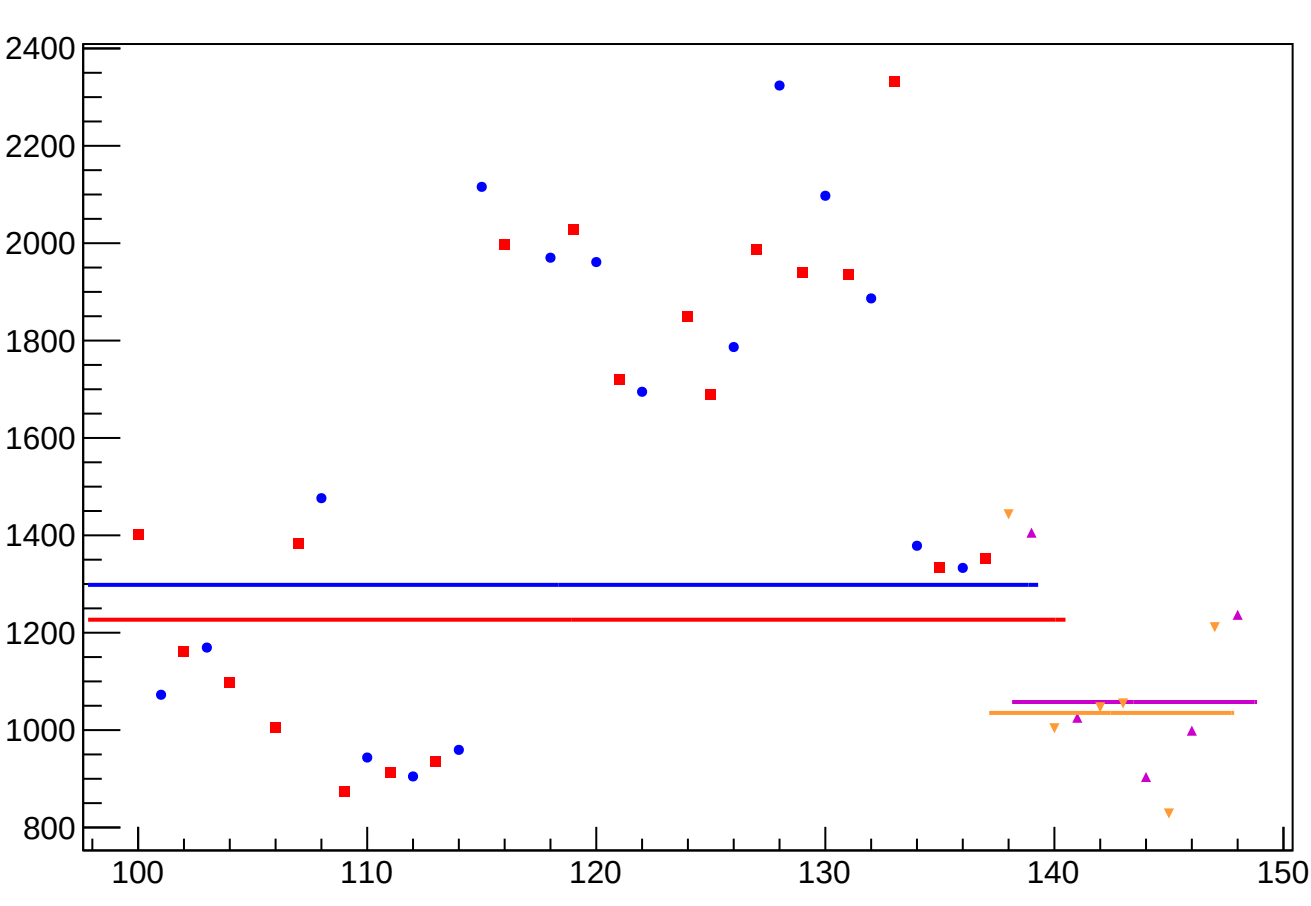
Left: -306.574+/-357.088 χ^2/NDF: 27.1/10

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 322.699+/-361.060 χ^2/NDF:27.4/20

Out: -109.616+/-342.046 χ^2/NDF:40.4/24

All: 94.859+/-248.313 χ^2/NDF: 68.5/45



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1035.349+/-0.350 χ^2/NDF:260766.2/5

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1057.717+/-0.364 χ^2/NDF:196827.6/4

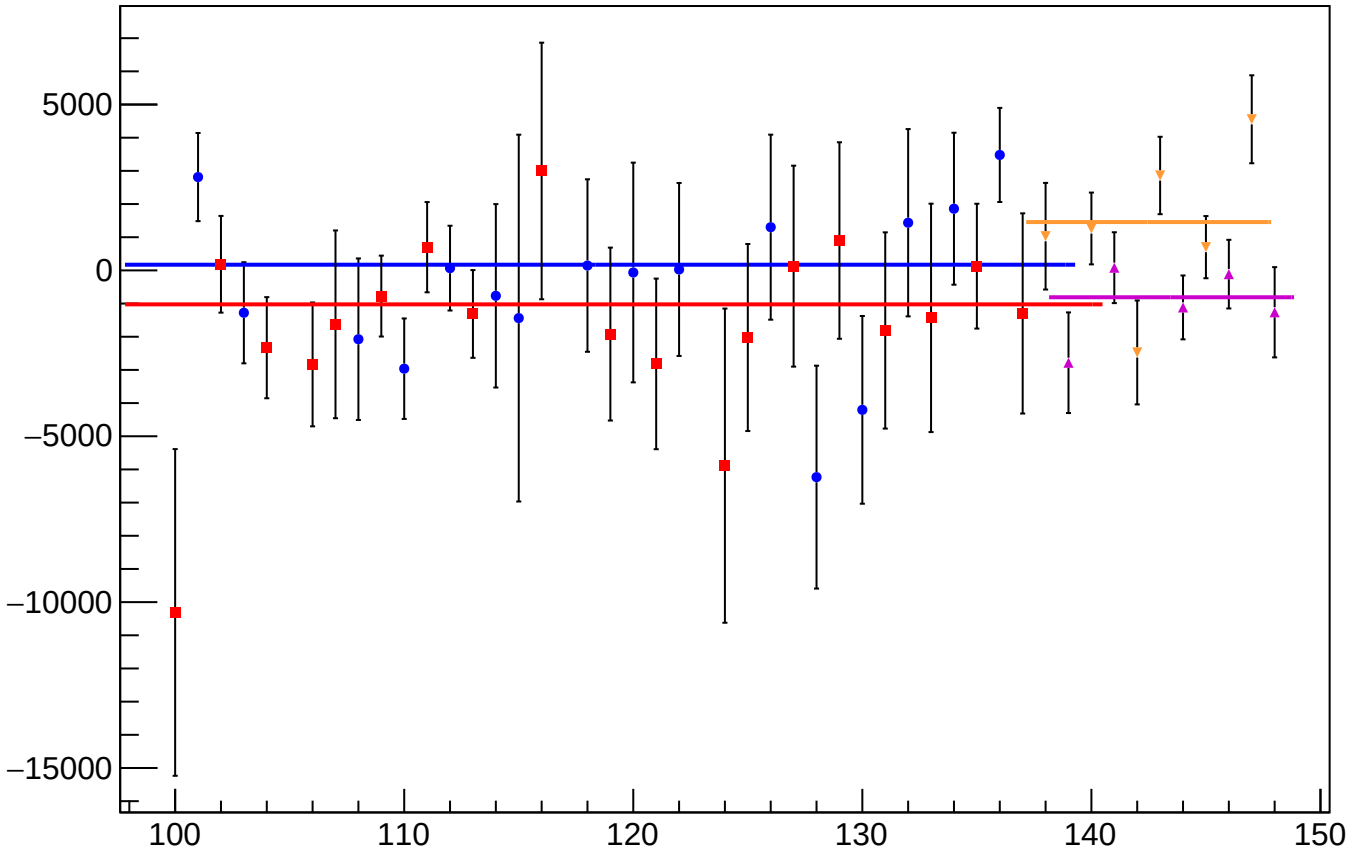
Left: 1046.097+/-0.252 χ^2/NDF: 459552.7/10

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1180.112+/-0.255 χ^2/NDF:1600865.4/20

Out: 1135.505+/-0.242 χ^2/NDF:1821475.4/24

All: 1156.603+/-0.176 χ^2/NDF: 3438428.8/45



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1457.260+/-494.436 χ^2/NDF:14.0/5

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -809.929+/-508.685 χ^2/NDF:3.1/4

Left: 355.864+/-354.550 χ^2/NDF: 27.2/10

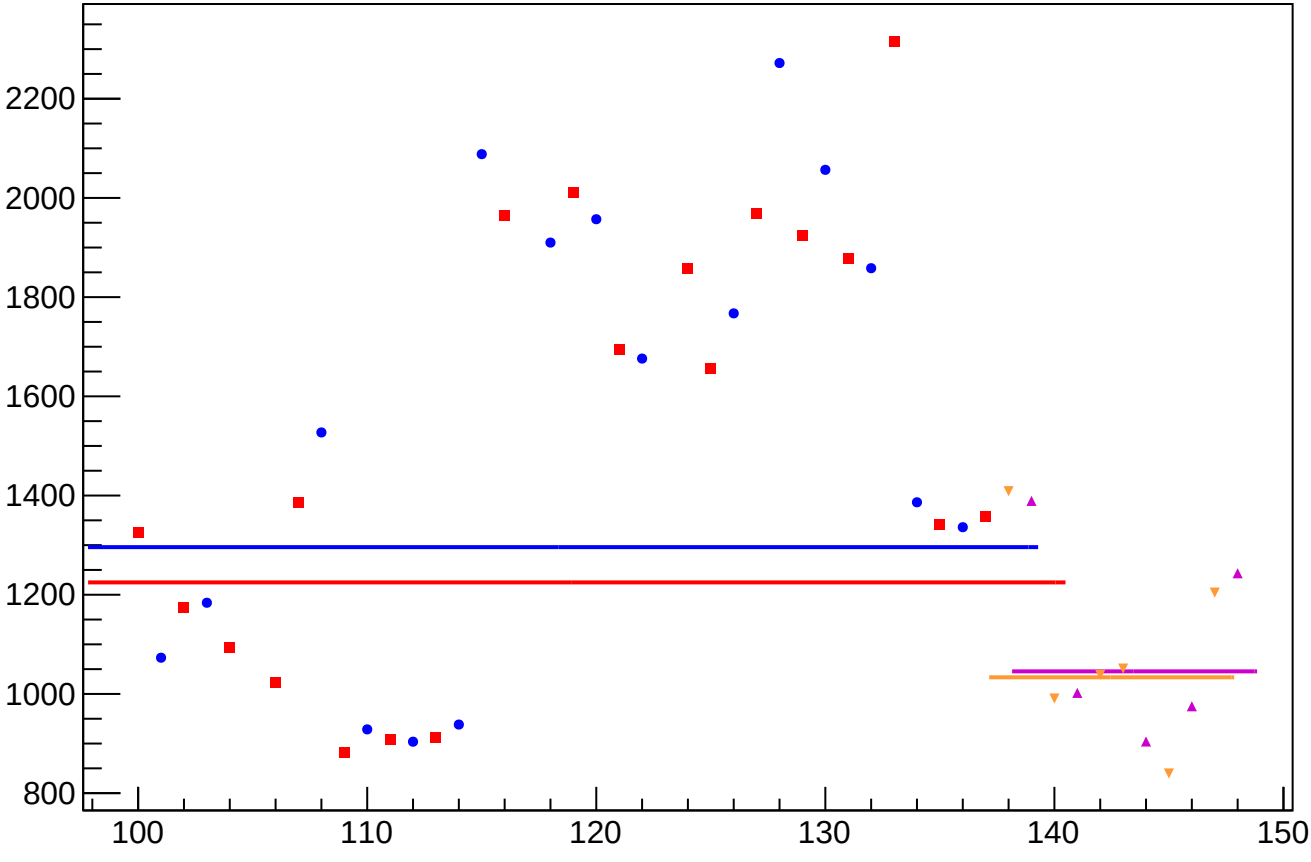
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -316.002+/-358.433 χ^2/NDF:27.5/20

Out: 159.238+/-341.414 χ^2/NDF:38.7/24

All: -66.832+/-247.214 χ^2/NDF: 67.1/45

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1033.548+/-0.350 χ^2/NDF:231323.5/5

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1045.517+/-0.360 χ^2/NDF:200620.0/4

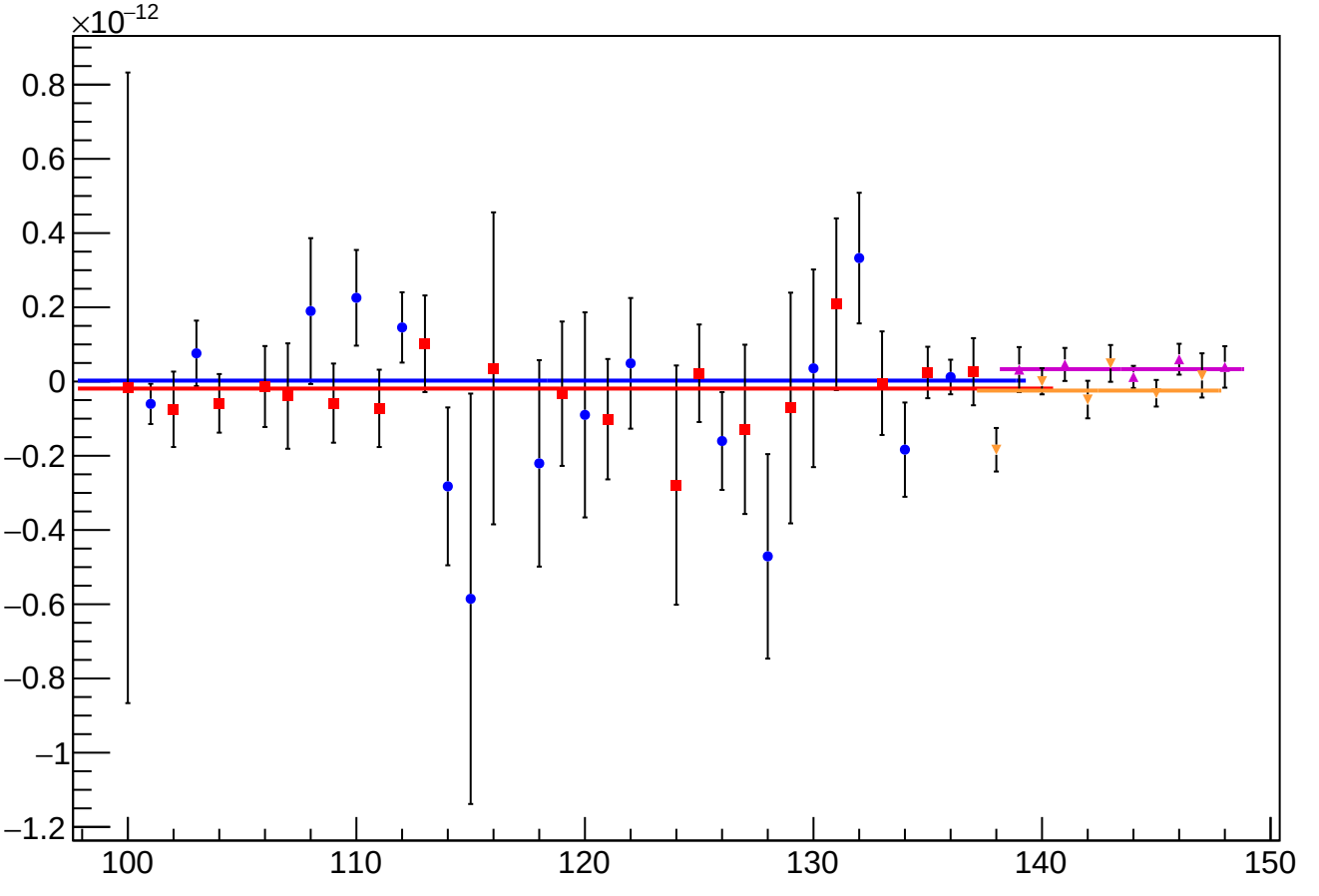
Left: 1039.362+/-0.251 χ^2/NDF: 432513.0/10

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1171.629+/-0.253 χ^2/NDF:1598948.5/20

Out: 1133.647+/-0.241 χ^2/NDF:1759288.5/24

All: 1151.715+/-0.175 χ^2/NDF: 3370011.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/4

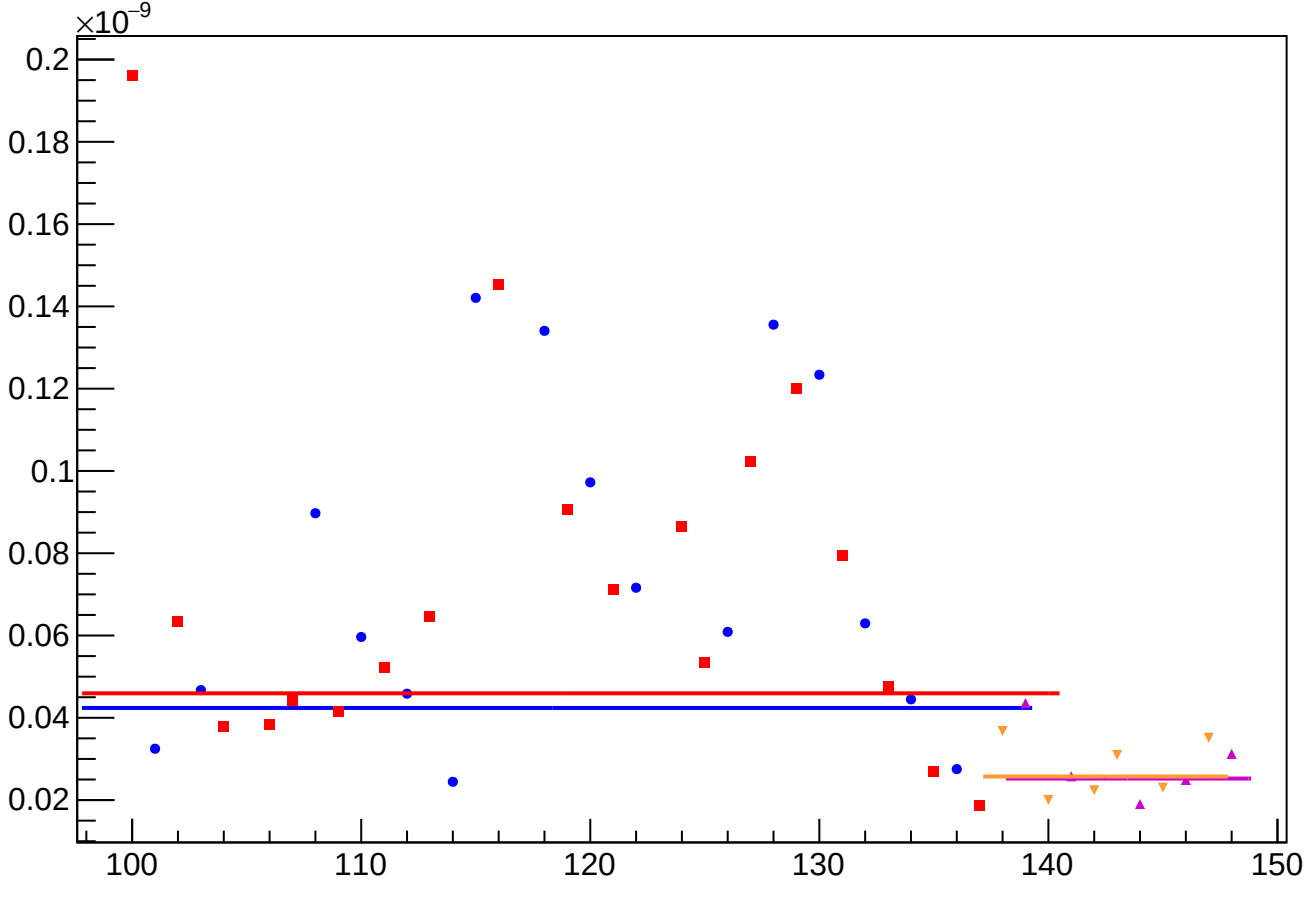
Left: 0.000+/-0.000 χ^2/NDF: 16.6/10

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.1/20

Out: -0.000+/-0.000 χ^2/NDF:15.6/24

All: 0.000+/-0.000 χ^2/NDF: 44.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:215648.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:292928.5/4

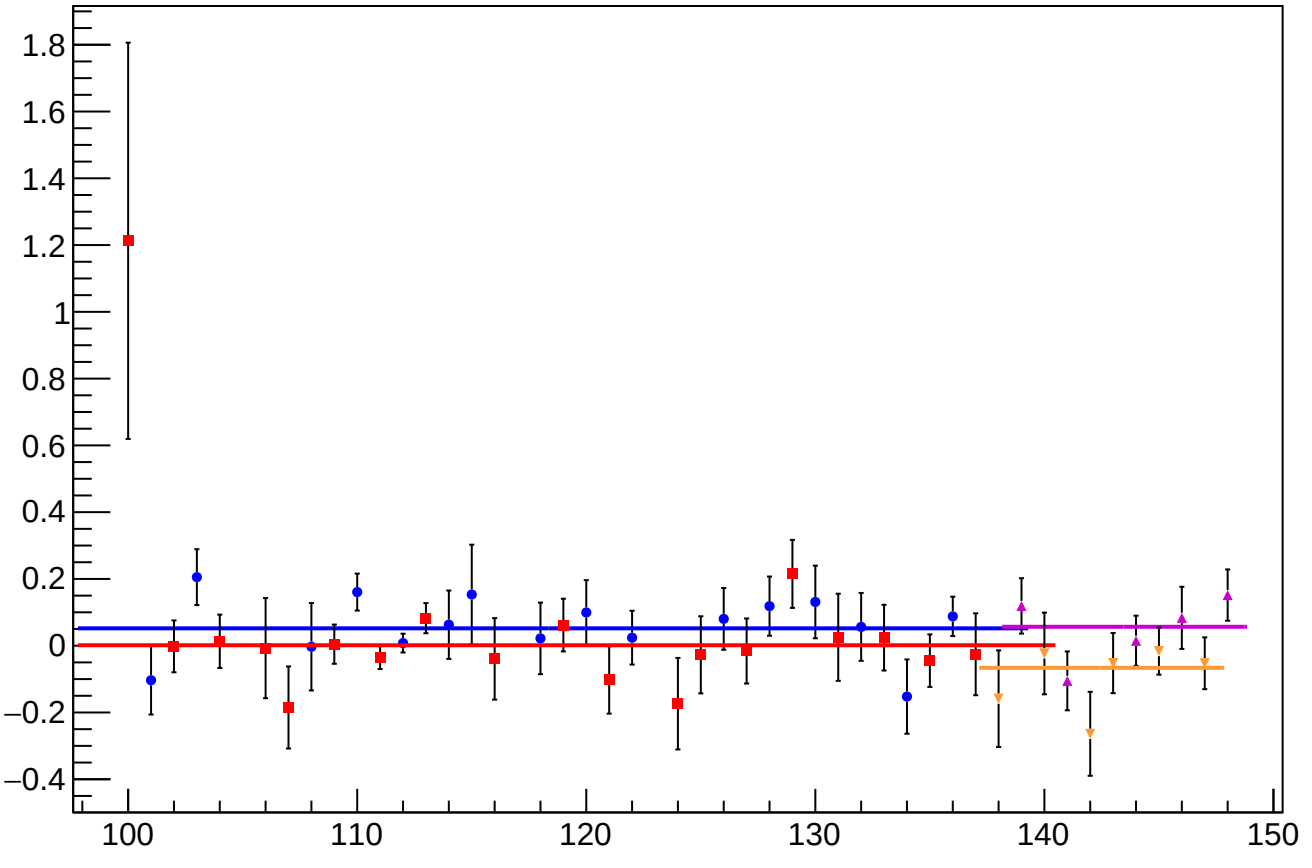
Left: 0.000+/-0.000 χ^2/NDF: 509281.7/10

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2181419.6/20

Out: 0.000+/-0.000 χ^2/NDF:2031430.0/24

All: 0.000+/-0.000 χ^2/NDF: 4214634.7/45



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.057+/-0.037 χ^2/NDF:5.9/4

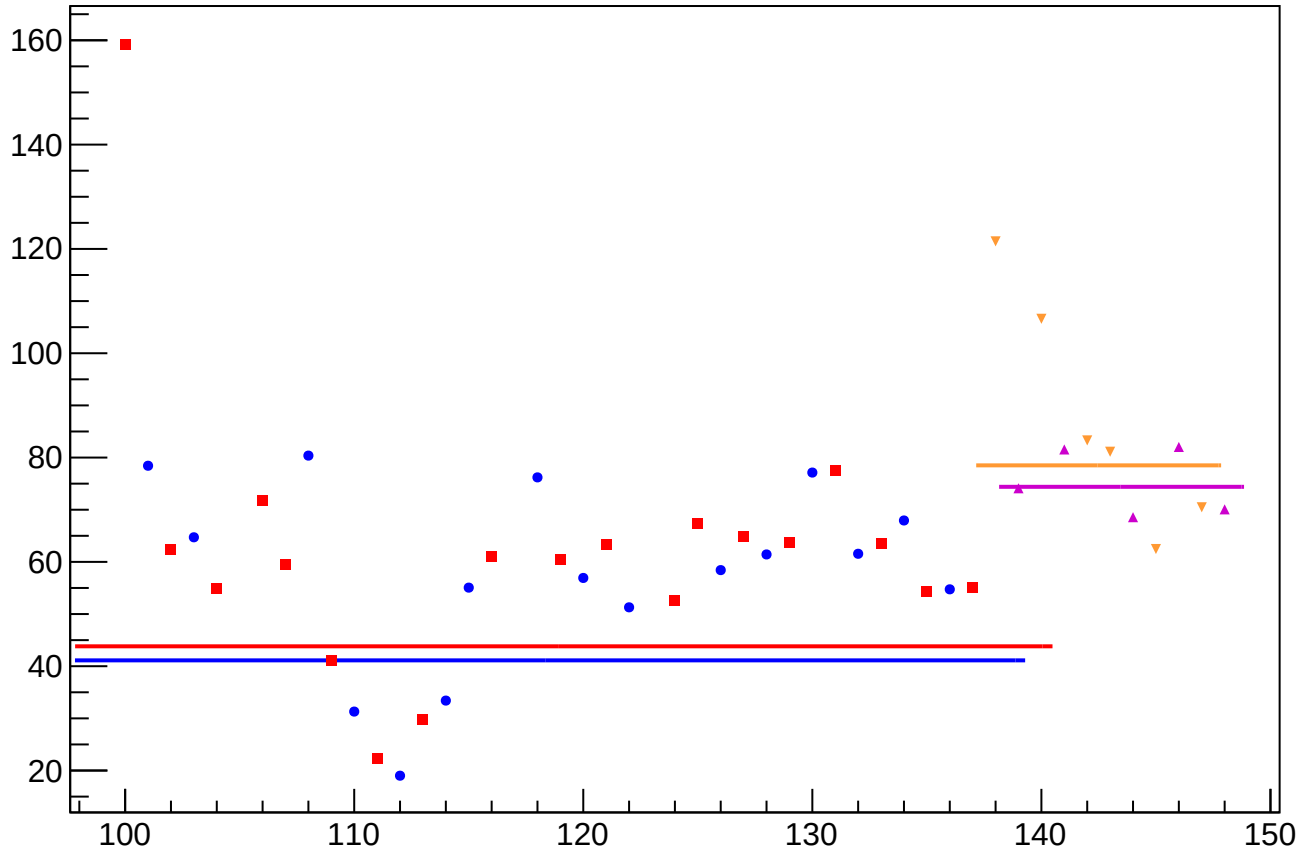
Left: -0.002+/-0.027 χ^2/NDF: 14.7/10

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.022+/-0.011 χ^2/NDF: 56.9/45



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 78.506+/-0.027 χ^2/NDF:410953.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

Left: 76.349+/-0.019 χ^2/NDF: 467883.5/10

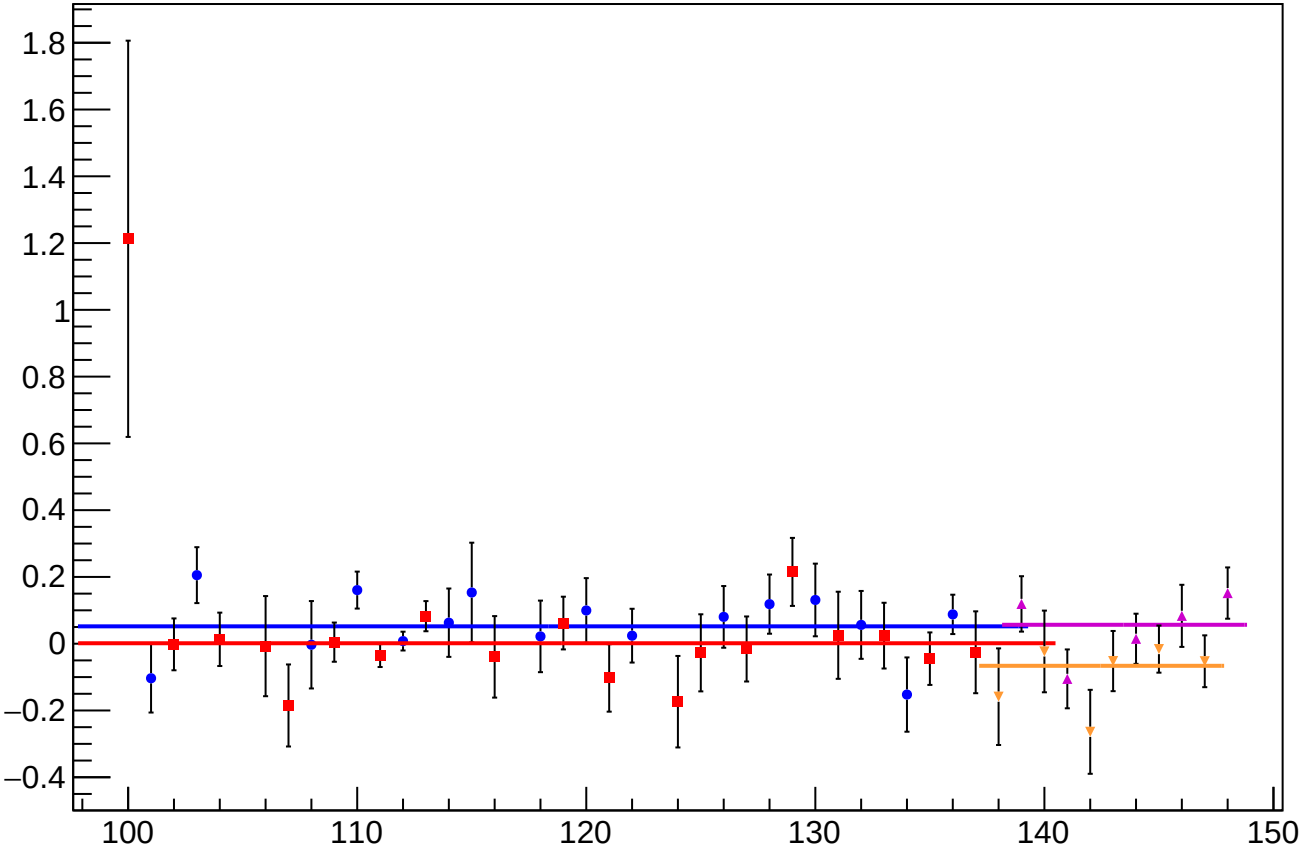
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 47.398+/-0.011 χ^2/NDF:4292982.8/20

Out: 49.941+/-0.012 χ^2/NDF:3782282.6/24

All: 48.649+/-0.008 χ^2/NDF: 8100102.9/45

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: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.057+/-0.037 χ^2/NDF:5.9/4

Left: -0.002+/-0.027 χ^2/NDF: 14.7/10

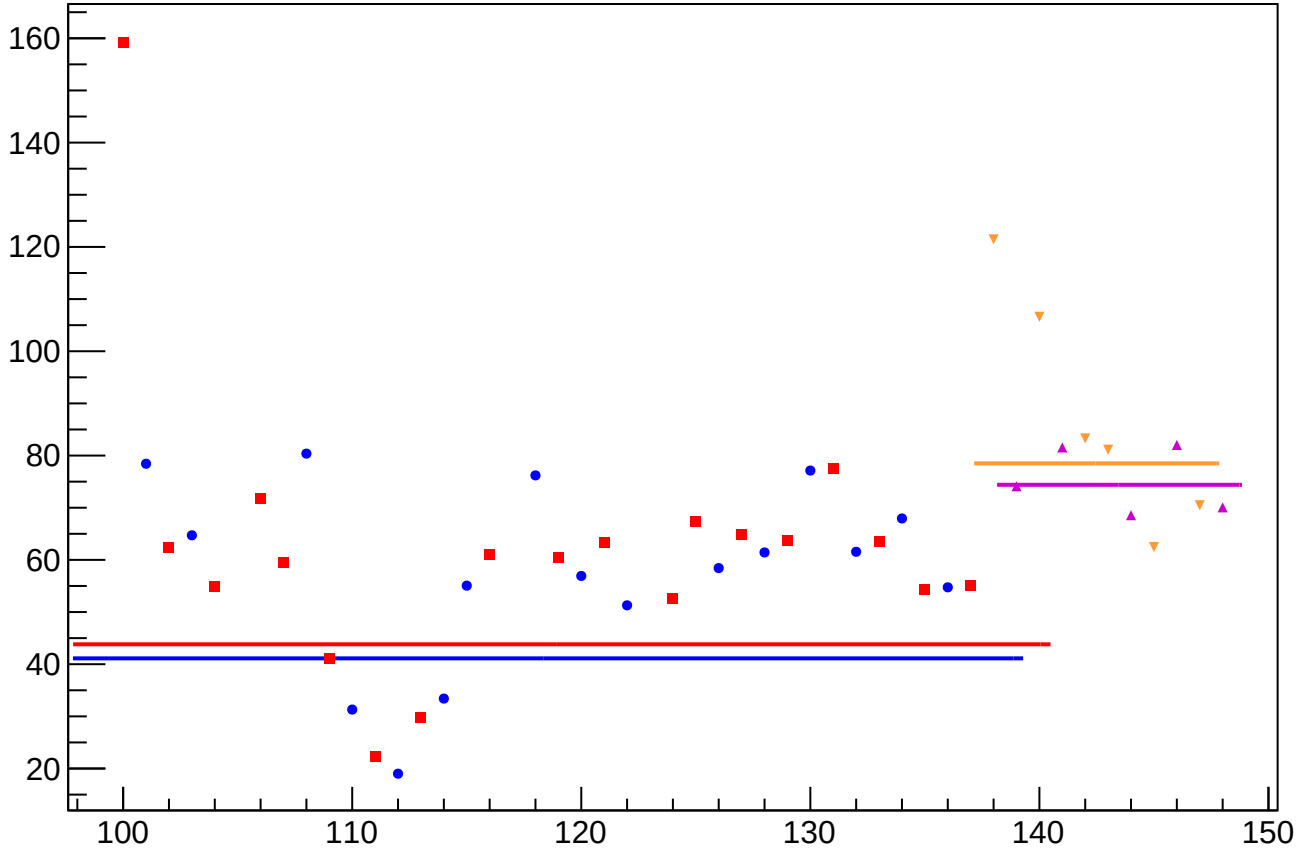
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.022+/-0.011 χ^2/NDF: 56.9/45

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 78.506+/-0.027 χ^2/NDF:410953.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

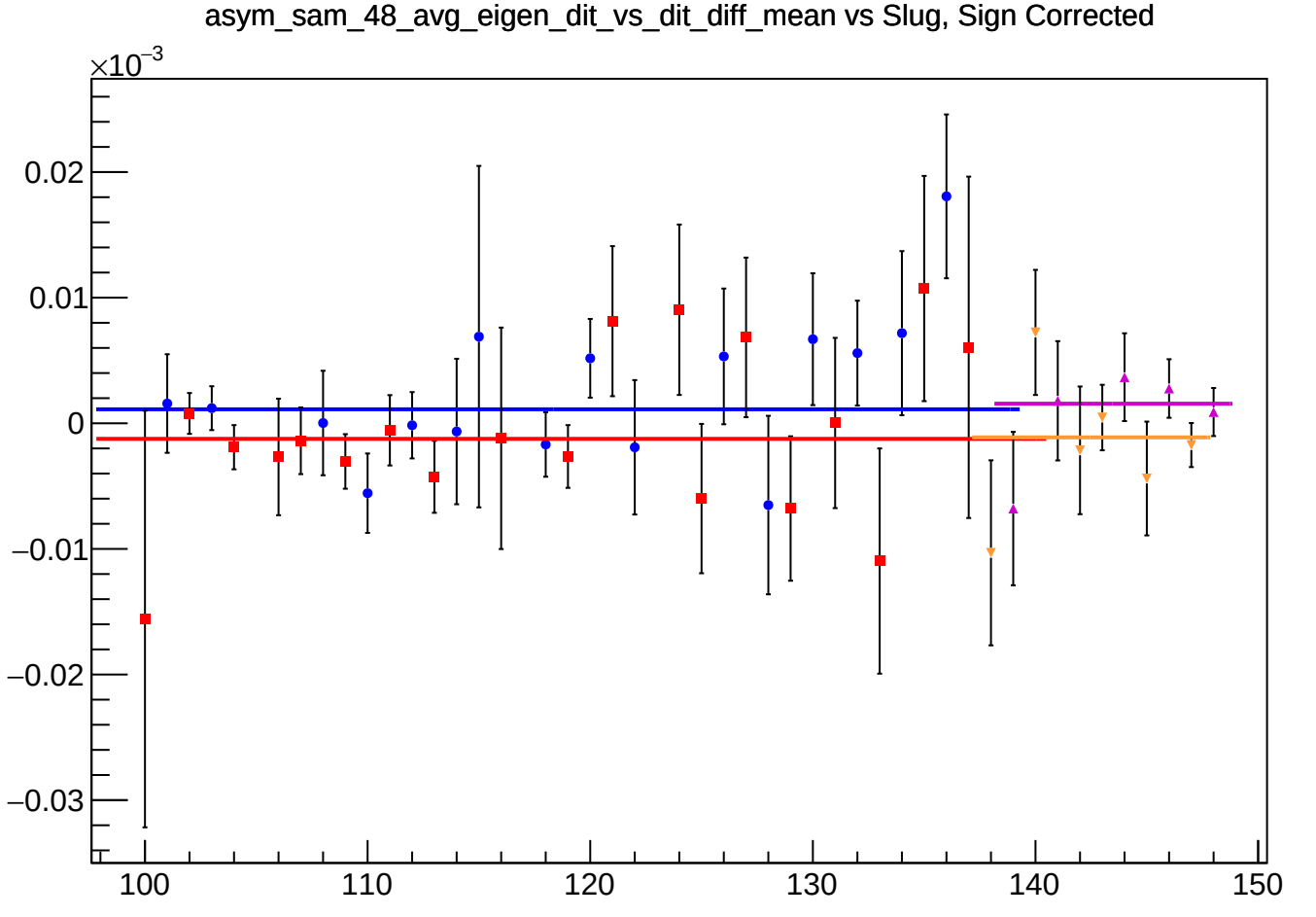
Left: 76.349+/-0.019 χ^2/NDF: 467883.5/10

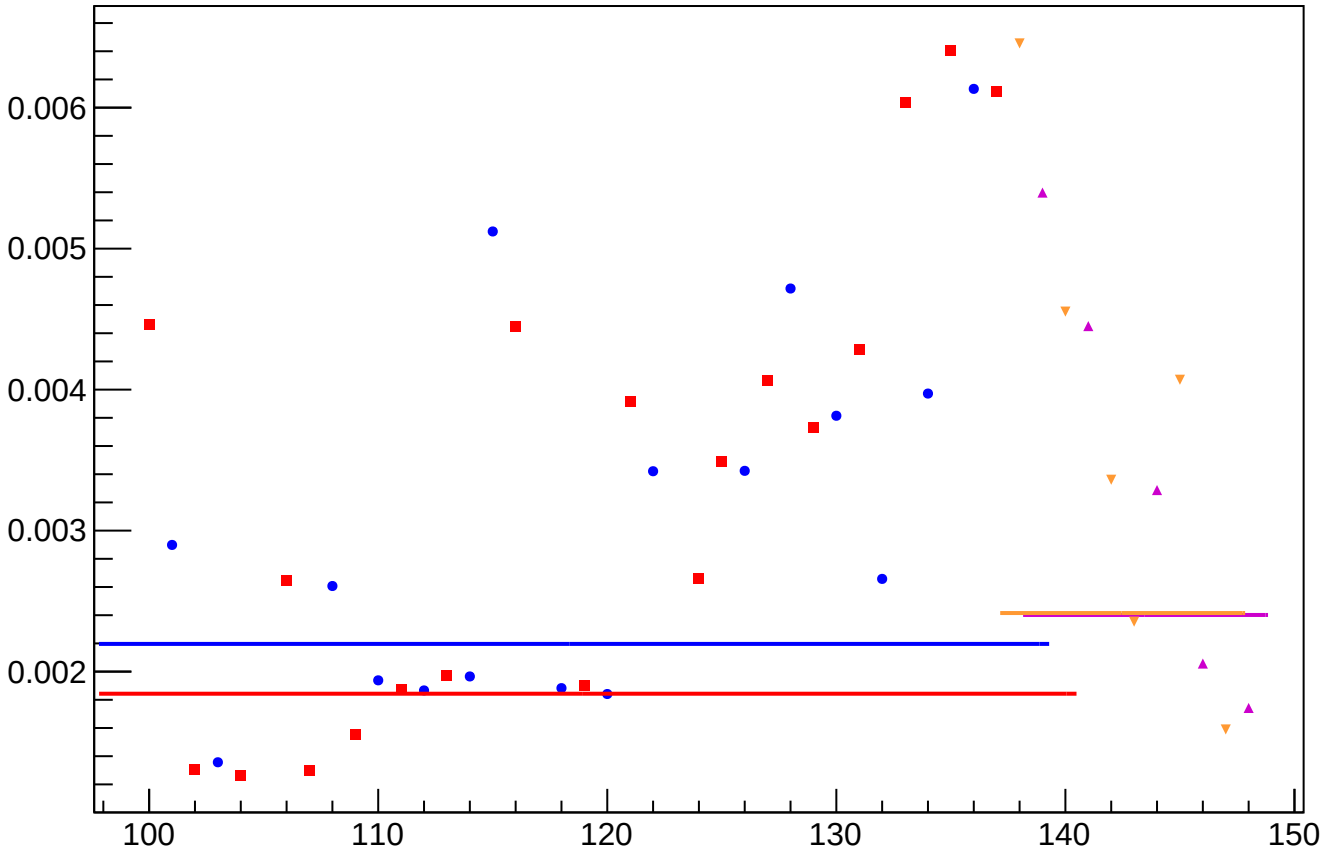
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 47.398+/-0.011 χ^2/NDF:4292982.8/20

Out: 49.941+/-0.012 χ^2/NDF:3782282.6/24

All: 48.649+/-0.008 χ^2/NDF: 8100102.9/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.4/5
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:2.6/4
Left: 0.000+/-0.000 χ²/NDF: 10.3/10
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:22.6/20
Out: -0.000+/-0.000 χ²/NDF:21.4/24
All: -0.000+/-0.000 χ²/NDF: 50.2/45



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751875.1/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1264193.0/4

Left: 0.002+/-0.000 χ^2/NDF: 3016183.0/10

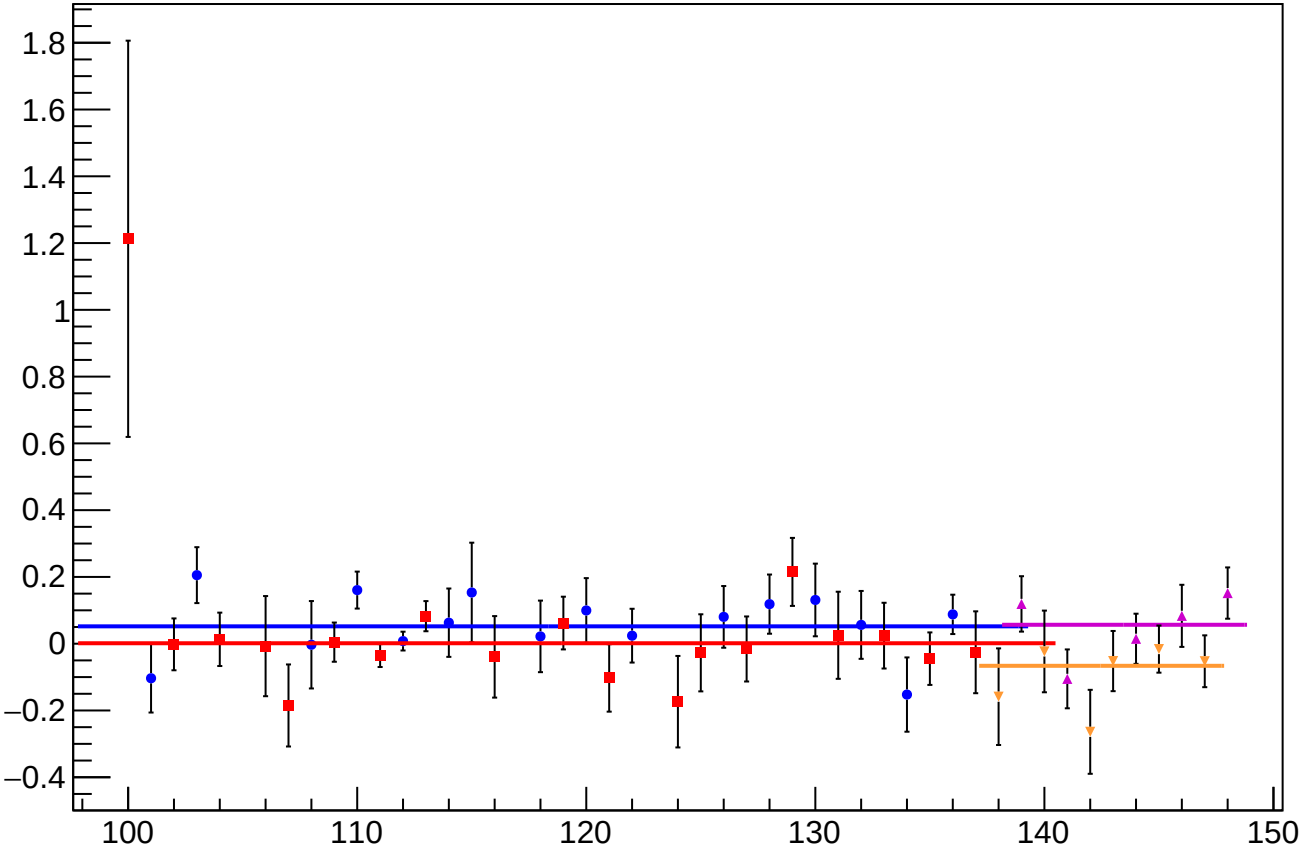
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3591338.7/20

Out: 0.002+/-0.000 χ^2/NDF:5187245.1/24

All: 0.002+/-0.000 χ^2/NDF: 8927972.8/45

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: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.057+/-0.037 χ^2/NDF:5.9/4

Left: -0.002+/-0.027 χ^2/NDF: 14.7/10

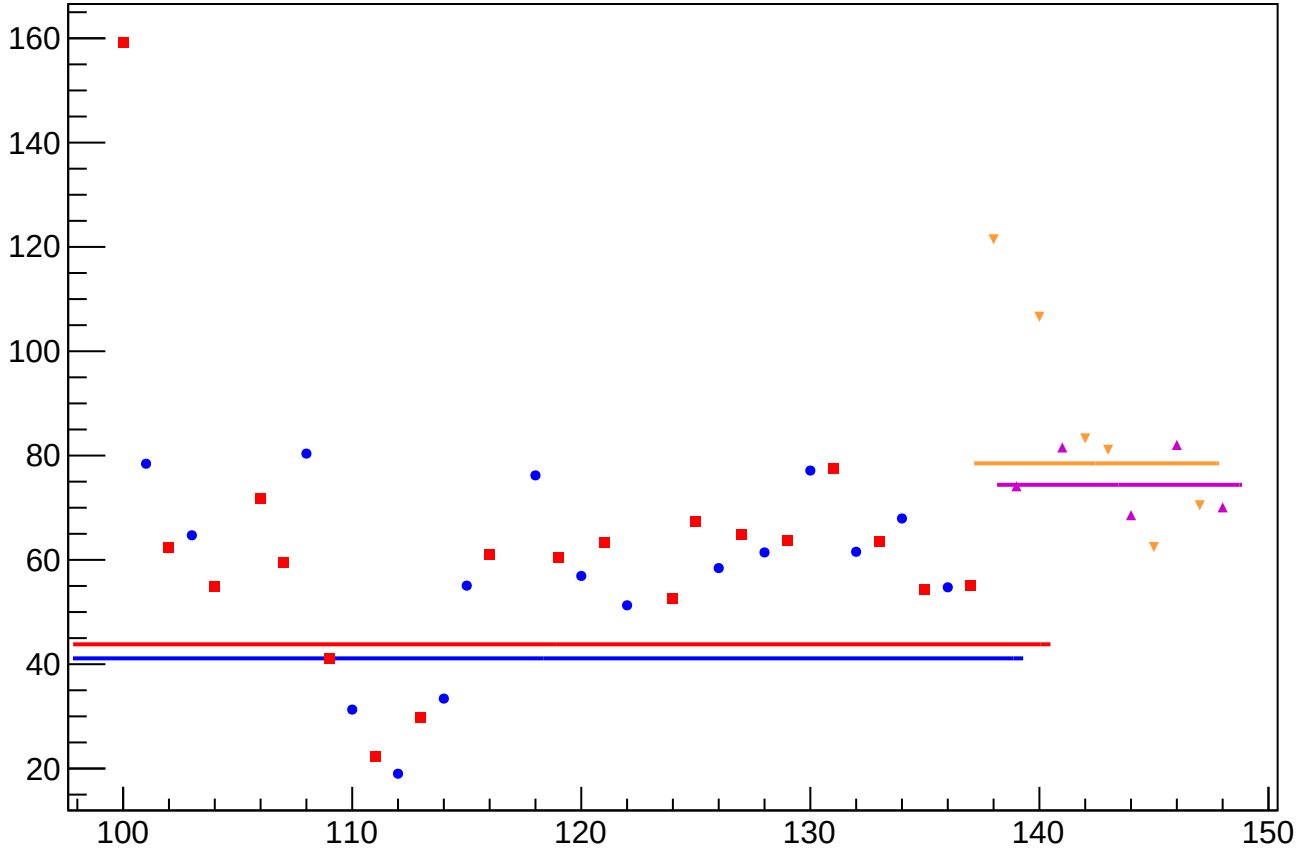
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.022+/-0.011 χ^2/NDF: 56.9/45

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: 78.507+/-0.027 χ^2/NDF:410926.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.394+/-0.026 χ^2/NDF:45084.5/4

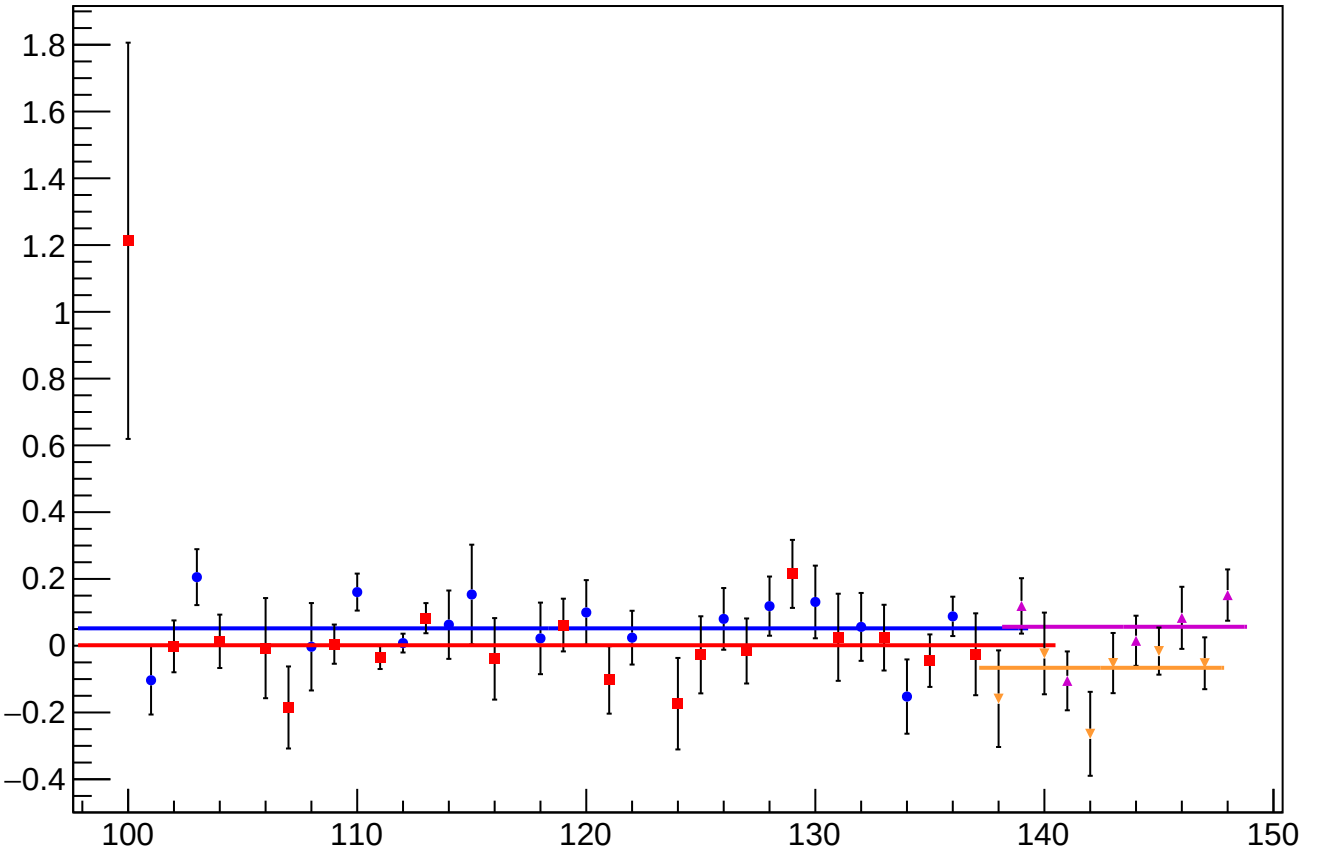
Left: 76.350+/-0.019 χ^2/NDF: 467860.6/10

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 47.397+/-0.011 χ^2/NDF:4293259.7/20

Out: 49.940+/-0.012 χ^2/NDF:3782557.2/24

All: 48.648+/-0.008 χ^2/NDF: 8100656.0/45



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.057+/-0.037 χ^2/NDF:5.9/4

Left: -0.002+/-0.027 χ^2/NDF: 14.7/10

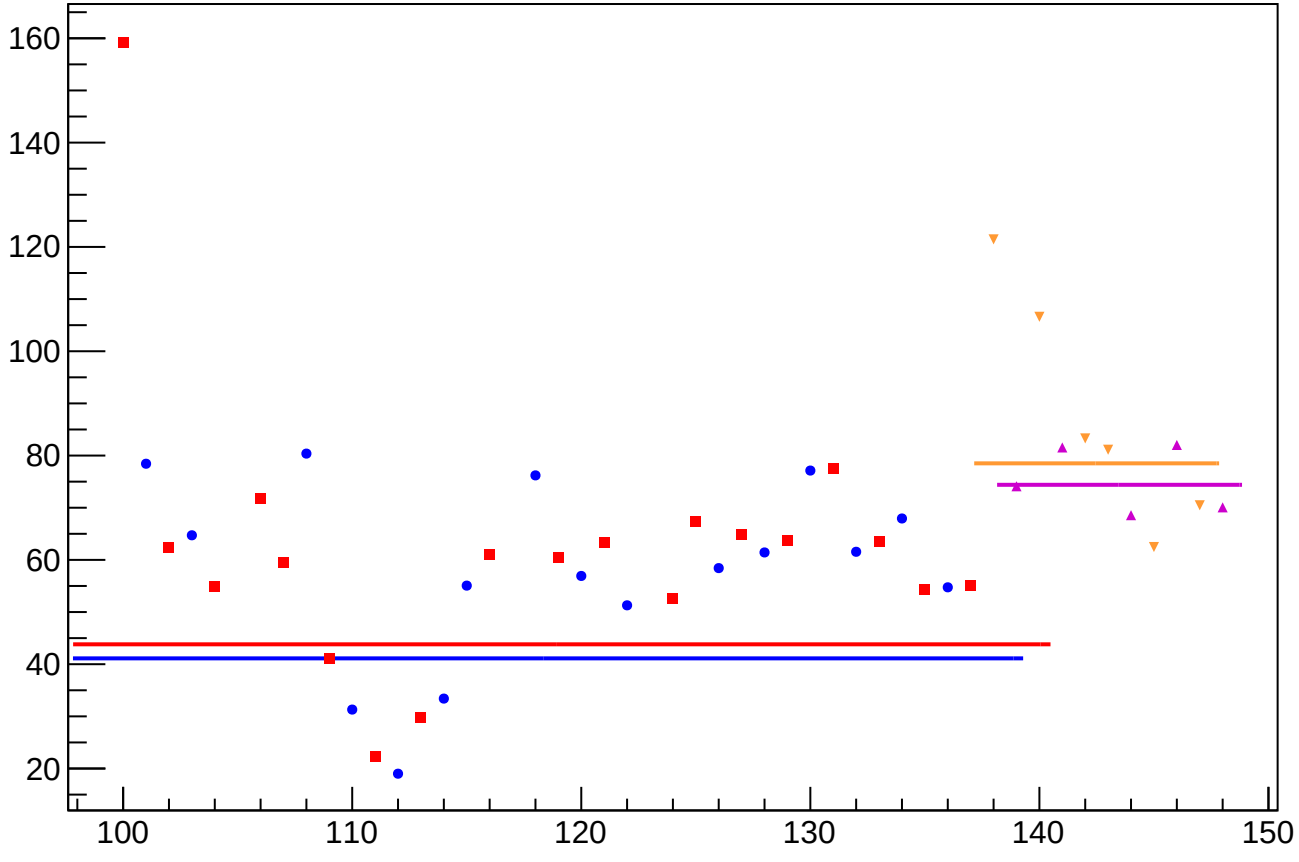
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.022+/-0.011 χ^2/NDF: 56.9/45

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: 78.507+/-0.027 χ^2/NDF:410926.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.394+/-0.026 χ^2/NDF:45084.5/4

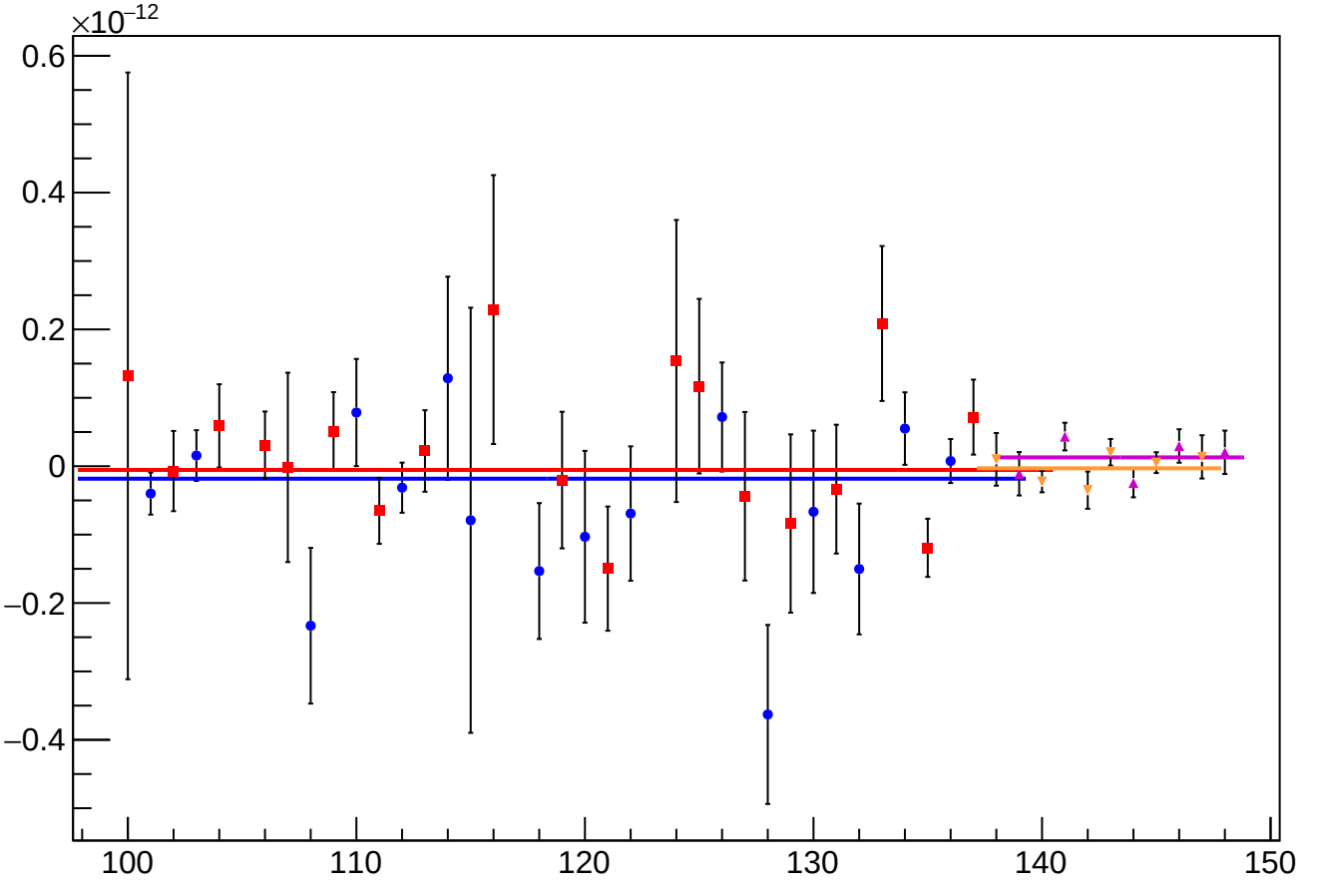
Left: 76.350+/-0.019 χ^2/NDF: 467860.6/10

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 47.397+/-0.011 χ^2/NDF:4293259.7/20

Out: 49.940+/-0.012 χ^2/NDF:3782557.2/24

All: 48.648+/-0.008 χ^2/NDF: 8100656.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/4

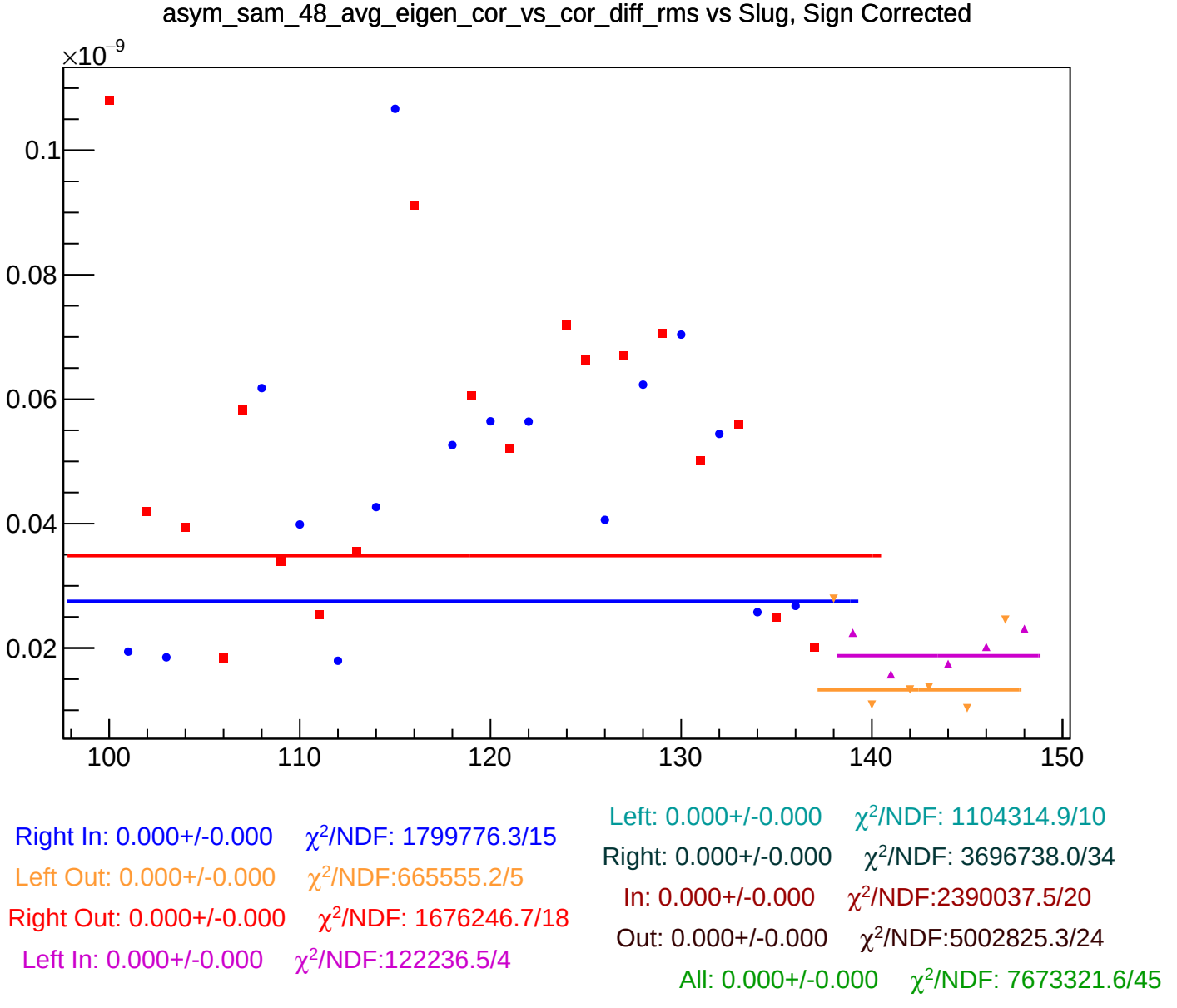
Left: 0.000+/-0.000 χ^2/NDF: 13.0/10

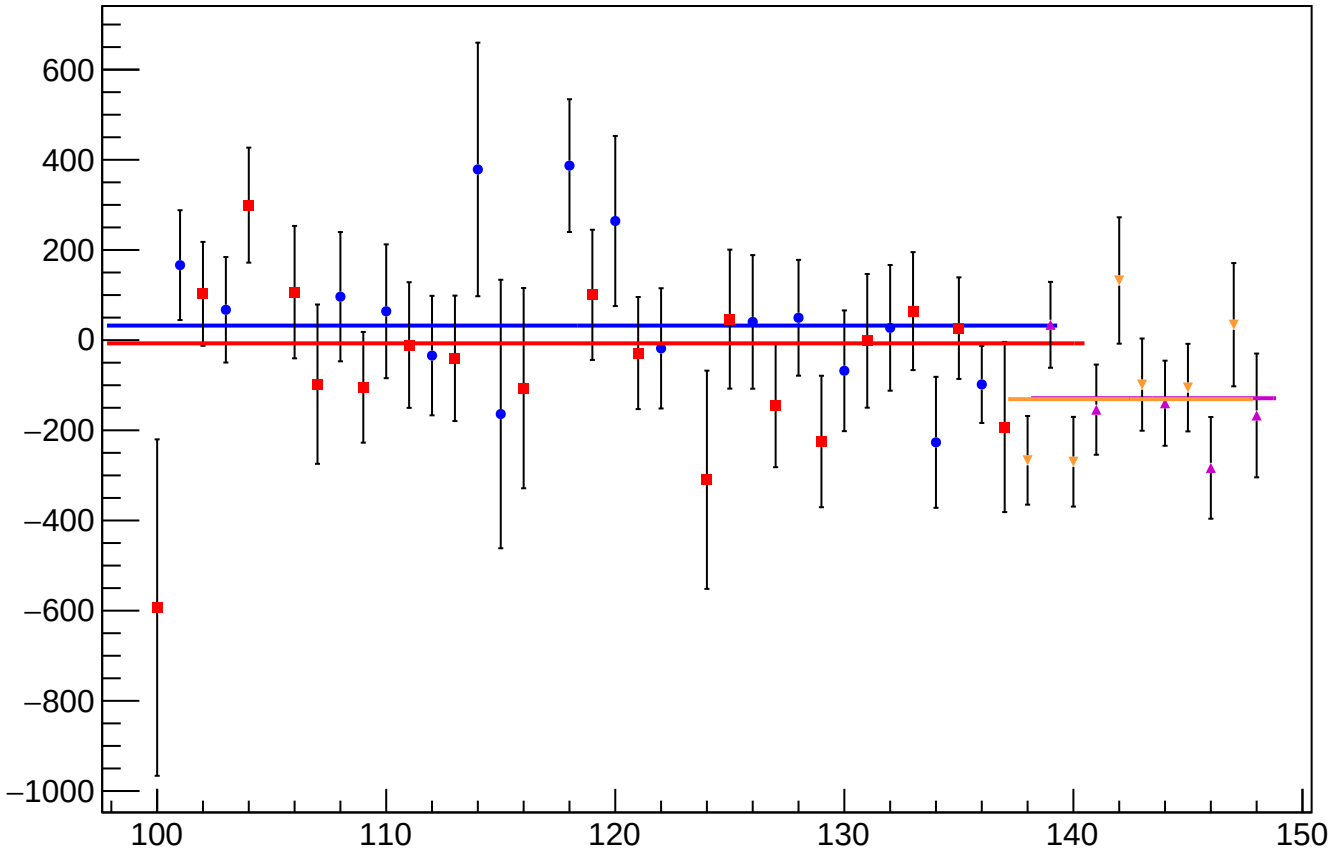
Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:32.5/20

Out: -0.000+/-0.000 χ^2/NDF:28.4/24

All: -0.000+/-0.000 χ^2/NDF: 61.1/45


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:665555.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:122236.5/4
Left: 0.000+/-0.000 χ²/NDF: 1104314.9/10
Right: 0.000+/-0.000 χ²/NDF: 3696738.0/34
In: 0.000+/-0.000 χ²/NDF:2390037.5/20
Out: 0.000+/-0.000 χ²/NDF:5002825.3/24
All: 0.000+/-0.000 χ²/NDF: 7673321.6/45



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.871+/-44.264 χ^2/NDF:9.0/5

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -128.831+/-46.921 χ^2/NDF:5.0/4

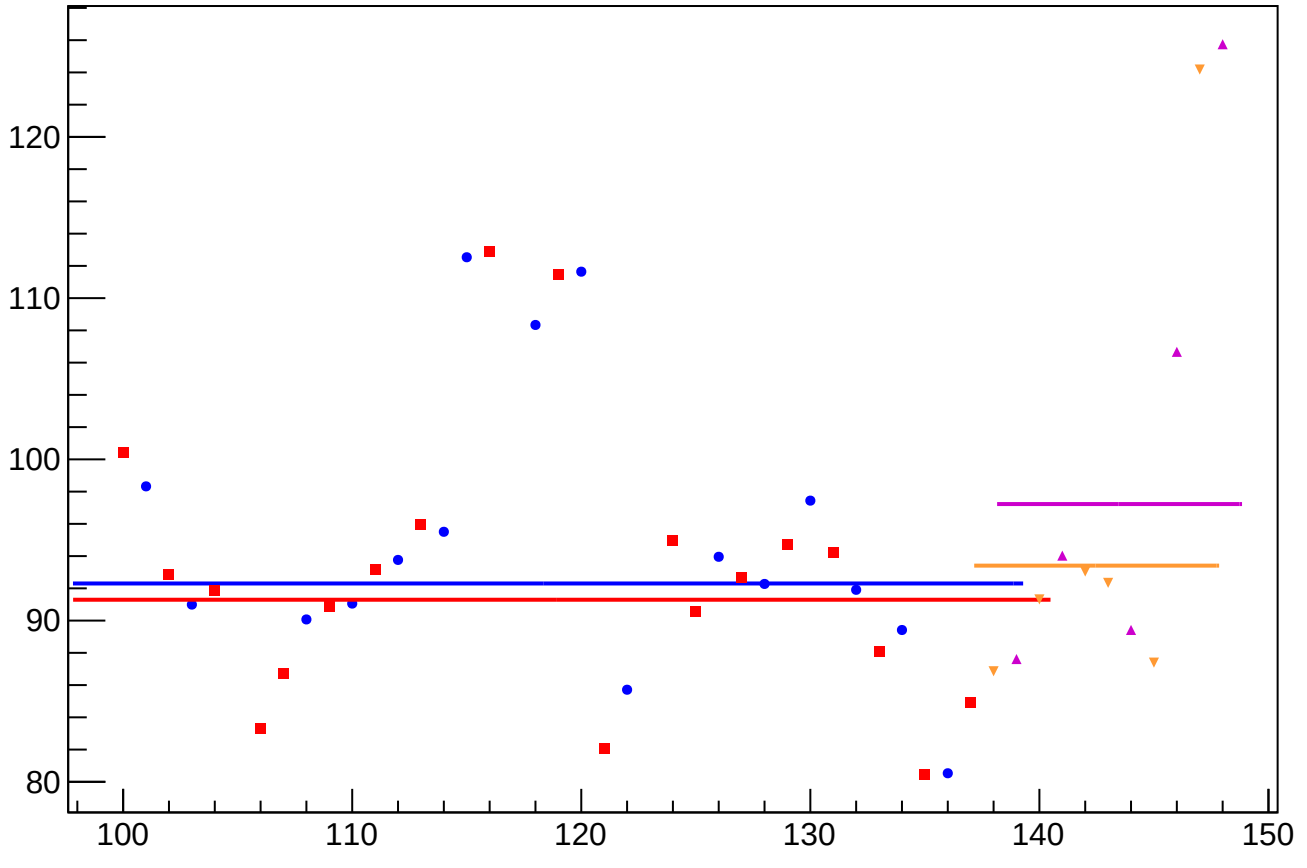
Left: -129.911+/-32.198 χ^2/NDF: 14.0/10

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -24.093+/-27.758 χ^2/NDF:29.9/20

Out: -52.019+/-26.672 χ^2/NDF:31.8/24

All: -38.613+/-19.232 χ^2/NDF: 62.2/45



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

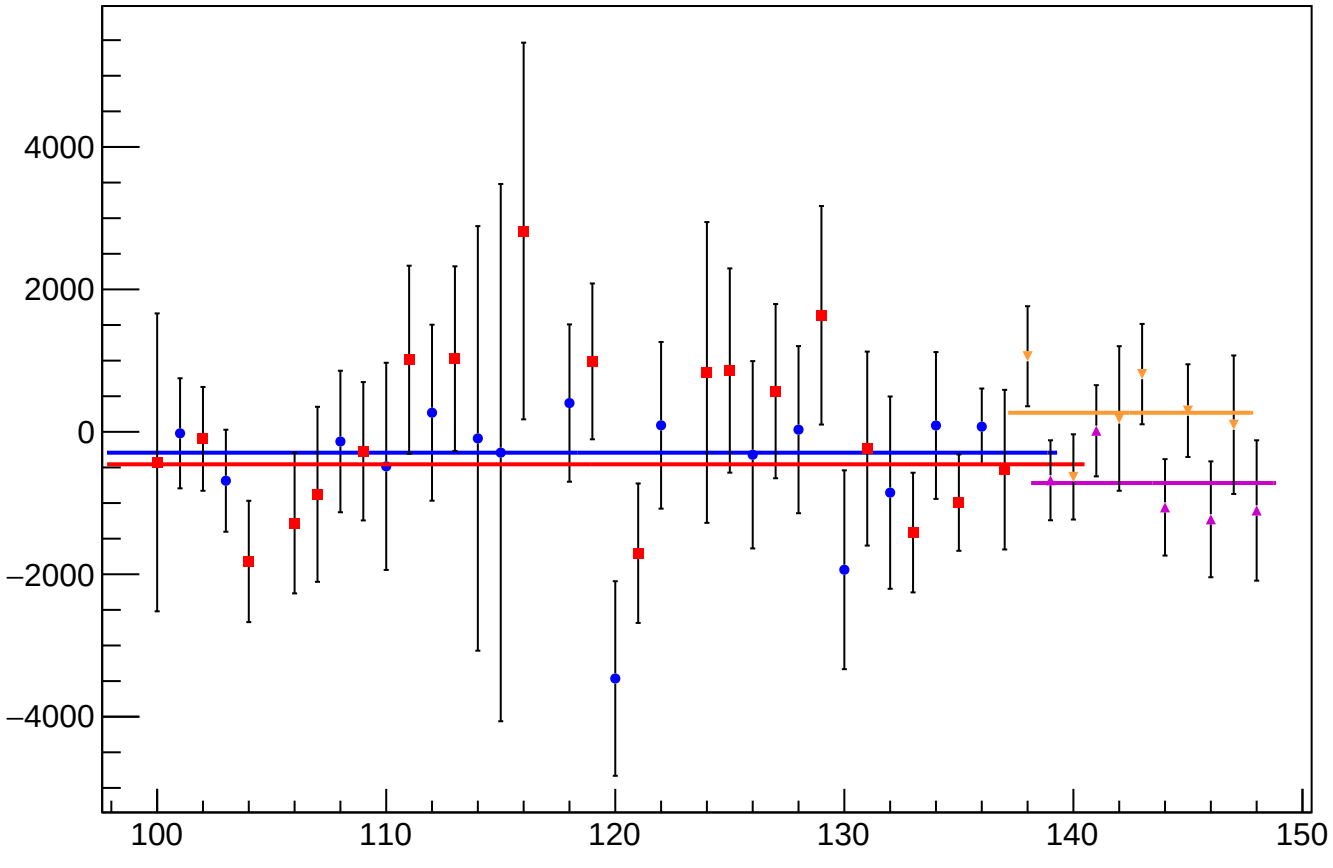
Left: 95.207+/-0.023 χ^2/NDF: 262506.0/10

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 94.026+/-0.020 χ^2/NDF:257864.7/20

Out: 92.062+/-0.019 χ^2/NDF:227030.9/24

All: 93.005+/-0.014 χ^2/NDF: 490104.5/45



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.973+/-298.528 χ^2/NDF:4.2/5

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -718.667+/-311.125 χ^2/NDF:2.1/4

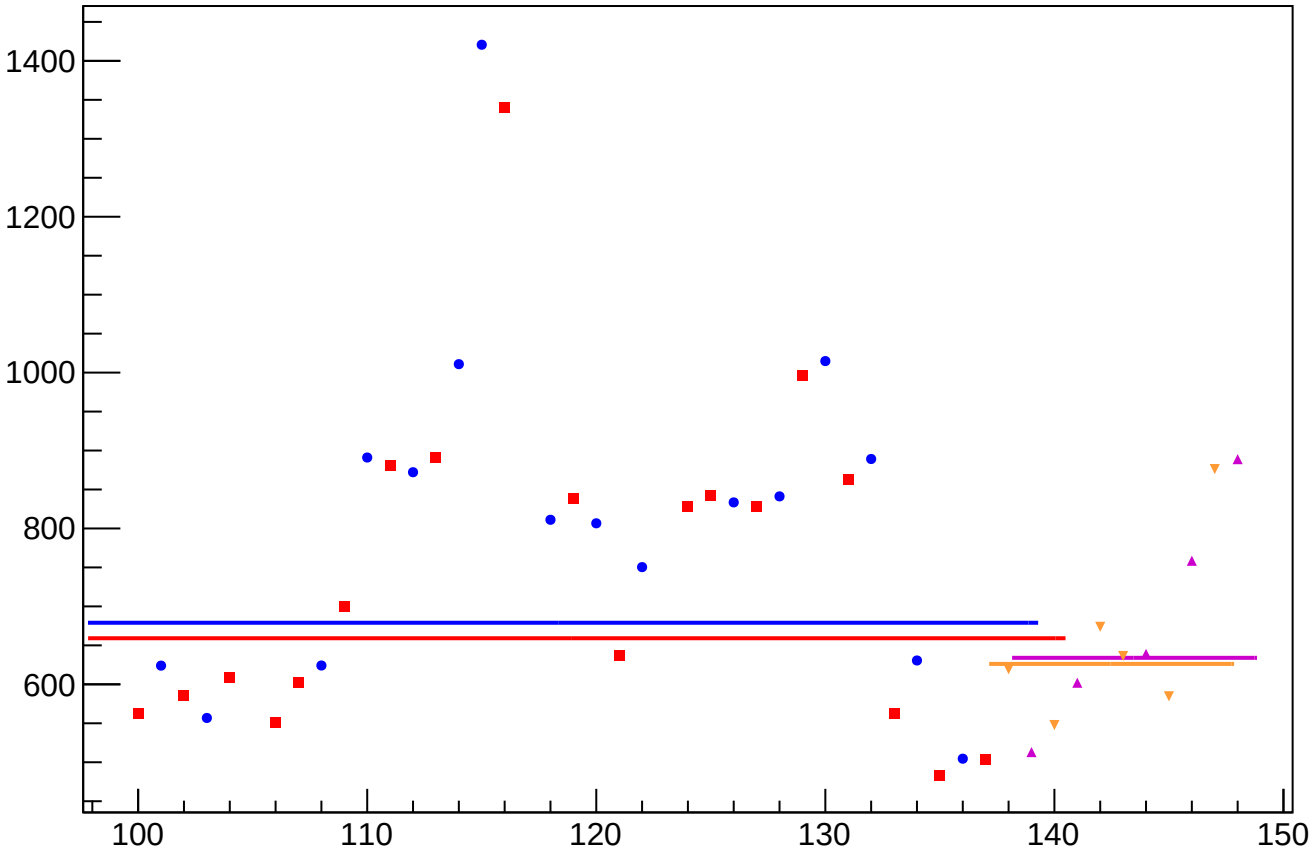
Left: -204.969+/-215.407 χ^2/NDF: 11.5/10

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -467.644+/-199.368 χ^2/NDF:12.0/20

Out: -159.269+/-191.087 χ^2/NDF:24.5/24

All: -306.919+/-137.954 χ^2/NDF: 37.8/45



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.2/5

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

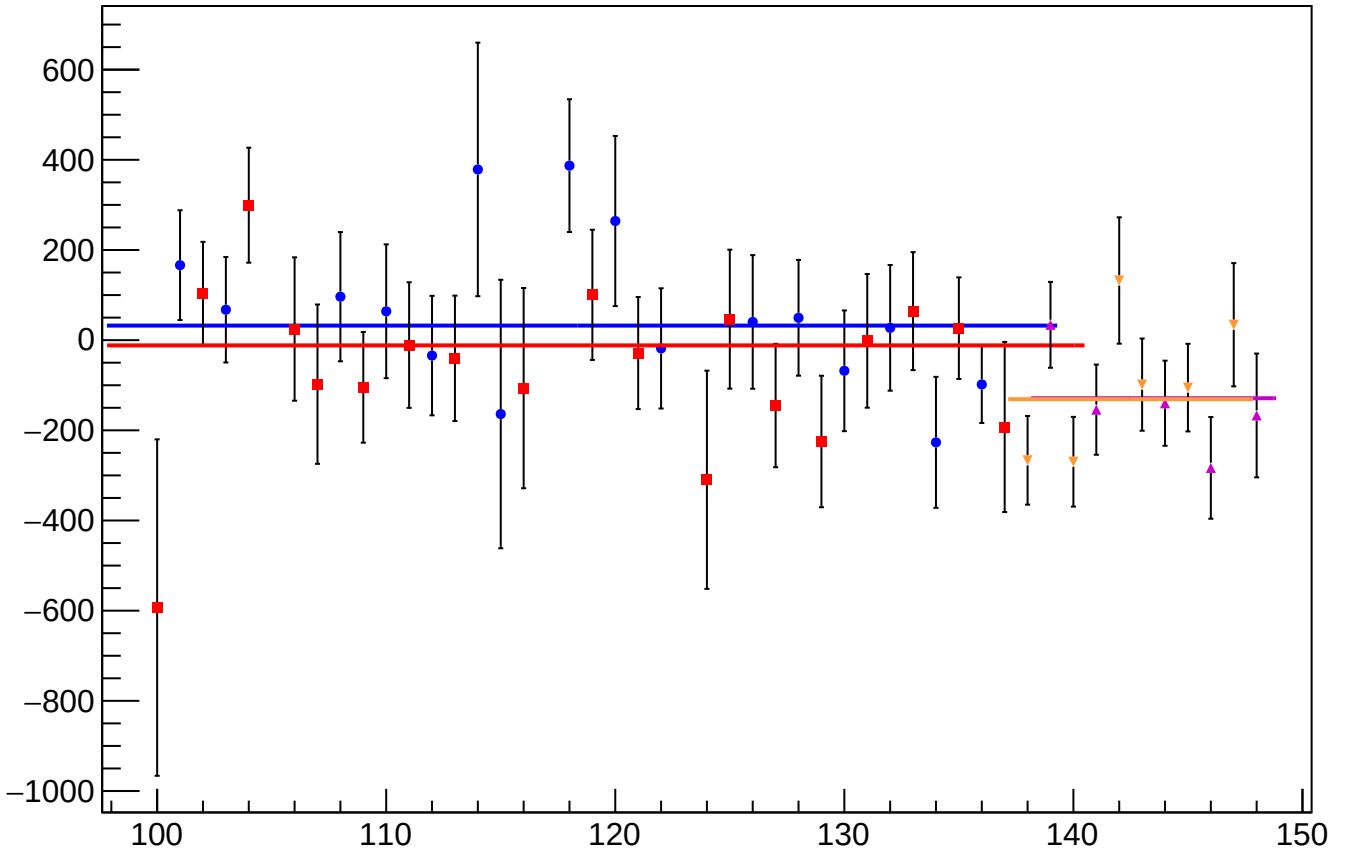
Left: 629.946+/-0.152 χ^2/NDF: 458966.9/10

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 660.528+/-0.141 χ^2/NDF:1071205.6/20

Out: 645.641+/-0.135 χ^2/NDF:989981.6/24

All: 652.769+/-0.098 χ^2/NDF: 2066999.1/45



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.879+/-44.264 χ^2/NDF:9.0/5

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -128.833+/-46.921 χ^2/NDF:5.0/4

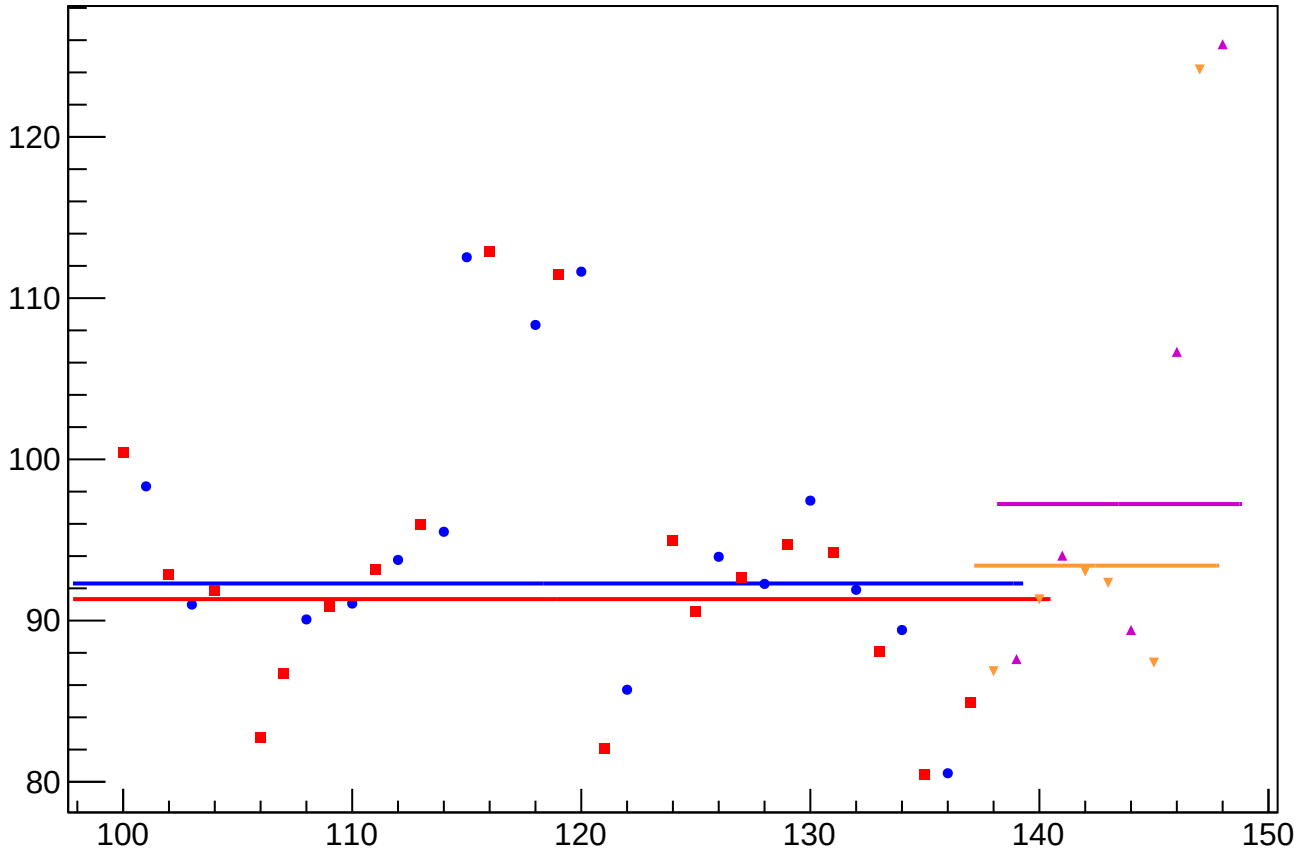
Left: -129.916+/-32.198 χ^2/NDF: 14.0/10

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -24.084+/-27.758 χ^2/NDF:29.9/20

Out: -55.104+/-26.737 χ^2/NDF:30.8/24

All: -40.175+/-19.257 χ^2/NDF: 61.4/45



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

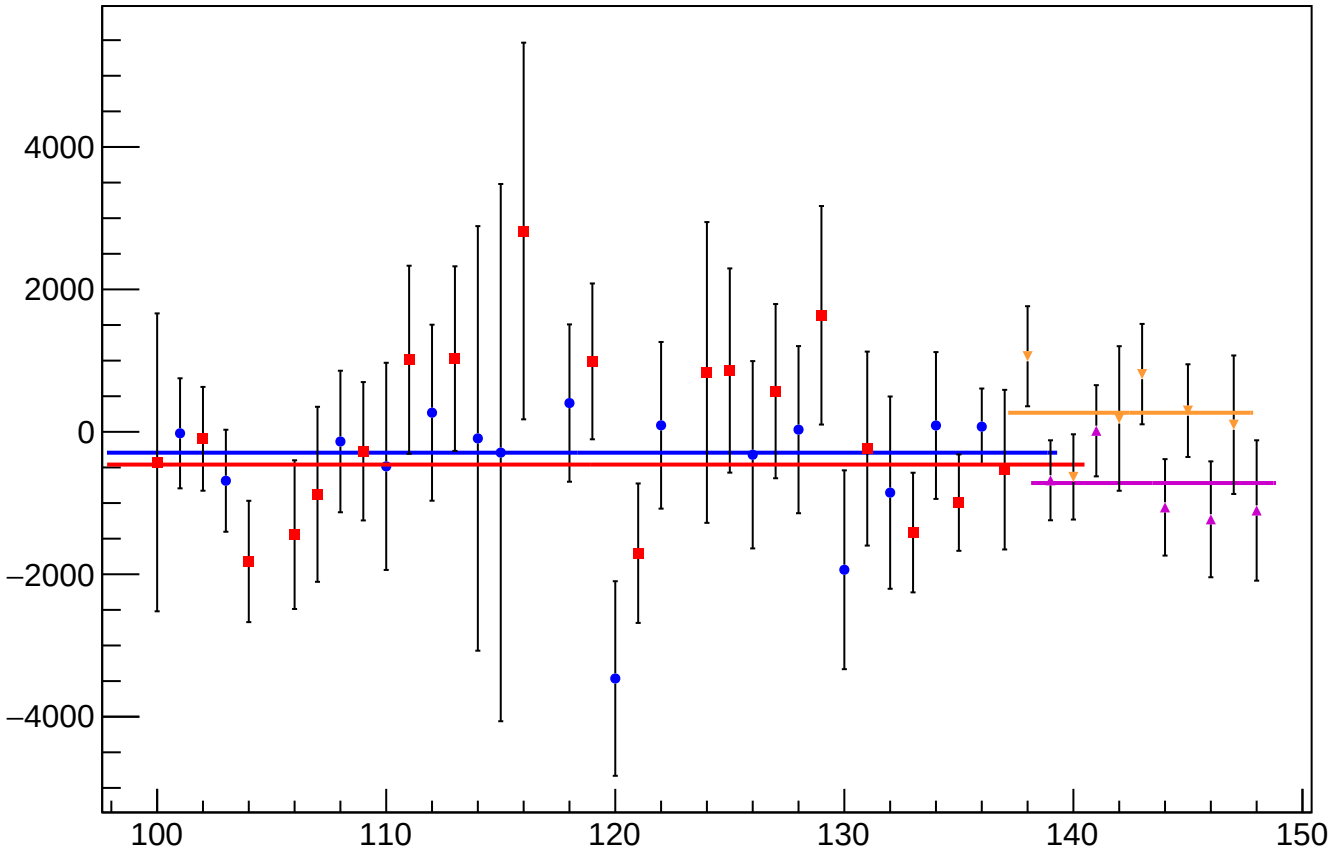
Left: 95.207+/-0.023 χ^2/NDF: 262506.0/10

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 94.026+/-0.020 χ^2/NDF:257864.6/20

Out: 92.090+/-0.019 χ^2/NDF:226740.3/24

All: 93.022+/-0.014 χ^2/NDF: 489654.0/45



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -718.664+/-311.125 χ^2/NDF:2.1/4

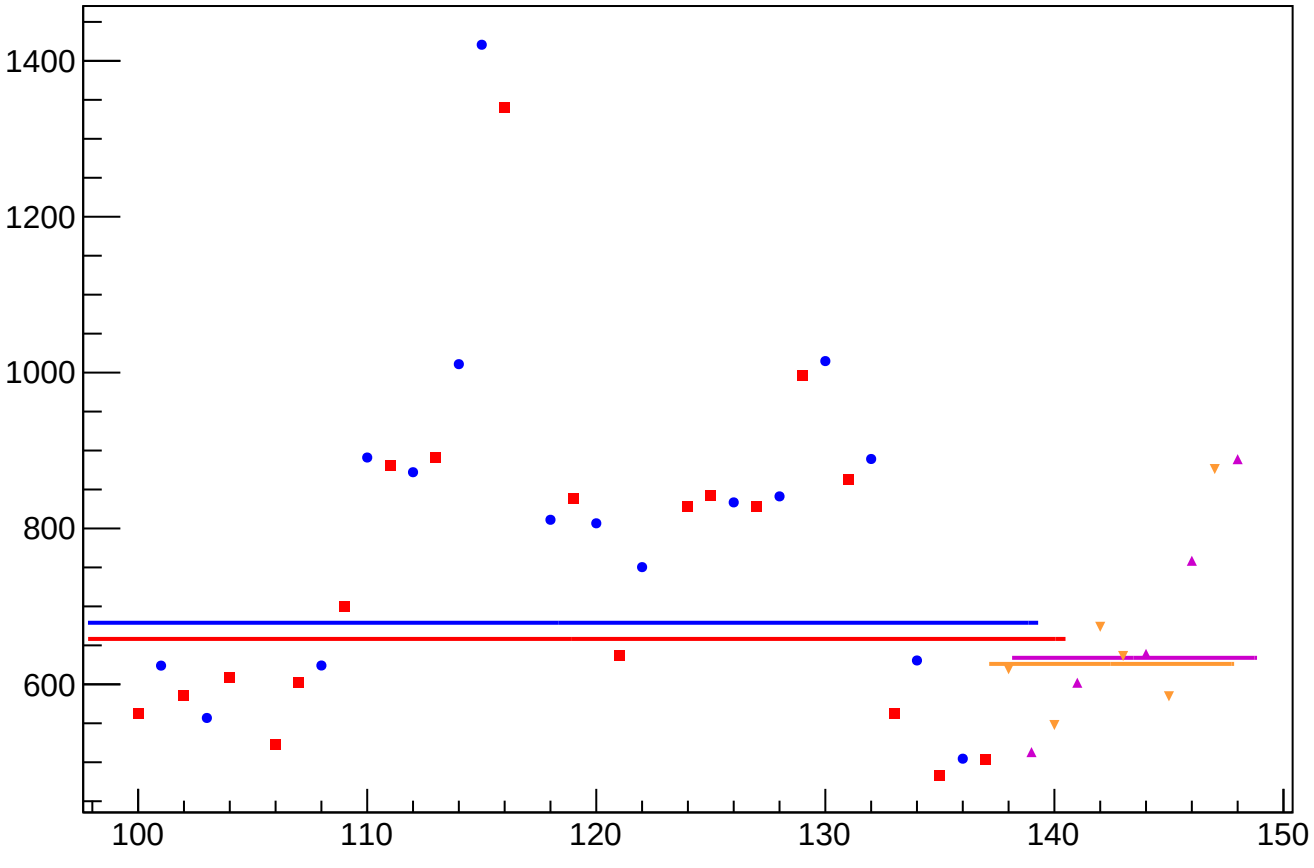
Left: -204.971+/-215.407 χ^2/NDF: 11.5/10

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -467.641+/-199.368 χ^2/NDF:12.0/20

Out: -160.326+/-191.461 χ^2/NDF:24.7/24

All: -307.769+/-138.094 χ^2/NDF: 38.0/45



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.8/5

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

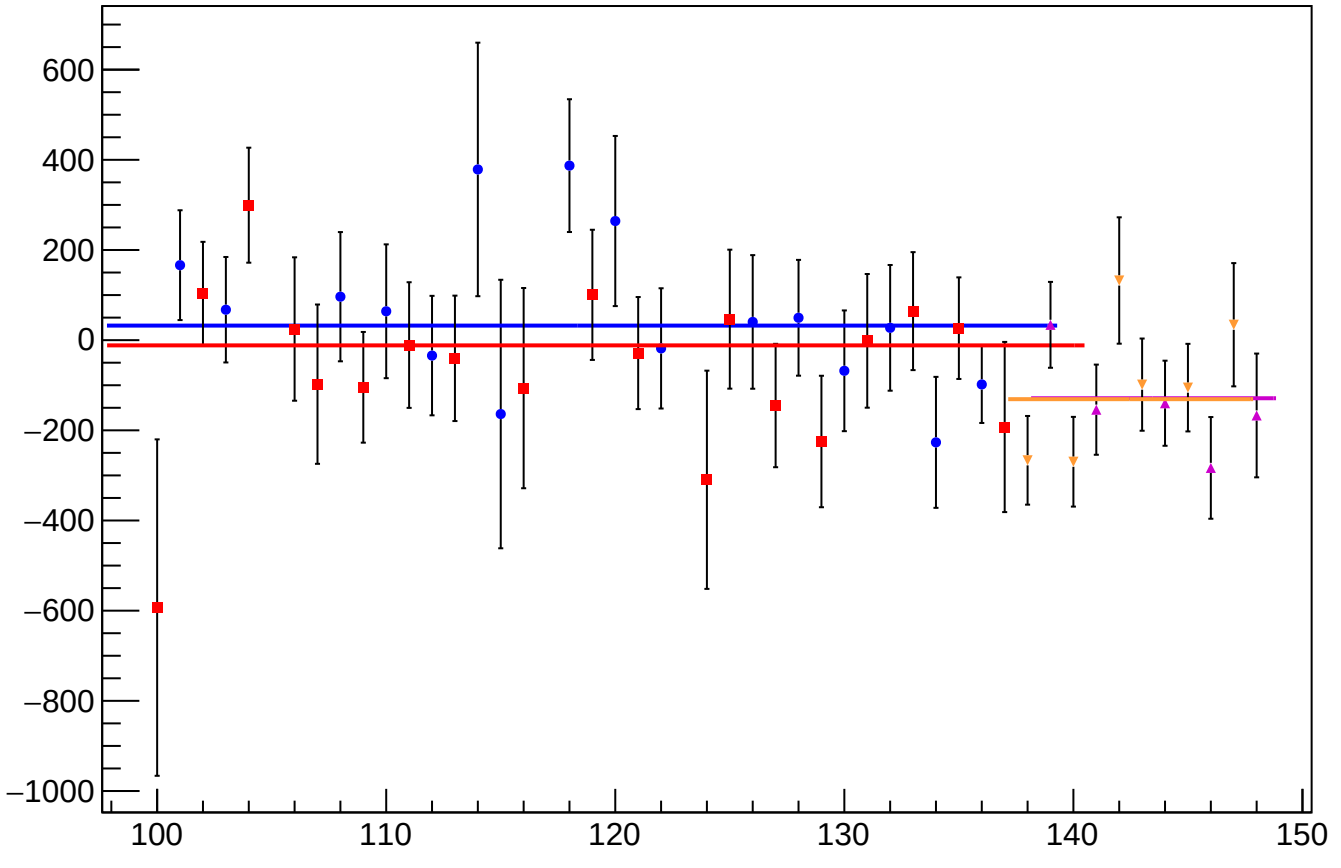
Left: 629.946+/-0.152 χ^2/NDF: 458967.5/10

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 660.528+/-0.141 χ^2/NDF:1071207.4/20

Out: 645.076+/-0.135 χ^2/NDF:999215.5/24

All: 652.489+/-0.098 χ^2/NDF: 2076673.2/45



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.879+/-44.264 χ^2/NDF:9.0/5

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -128.833+/-46.921 χ^2/NDF:5.0/4

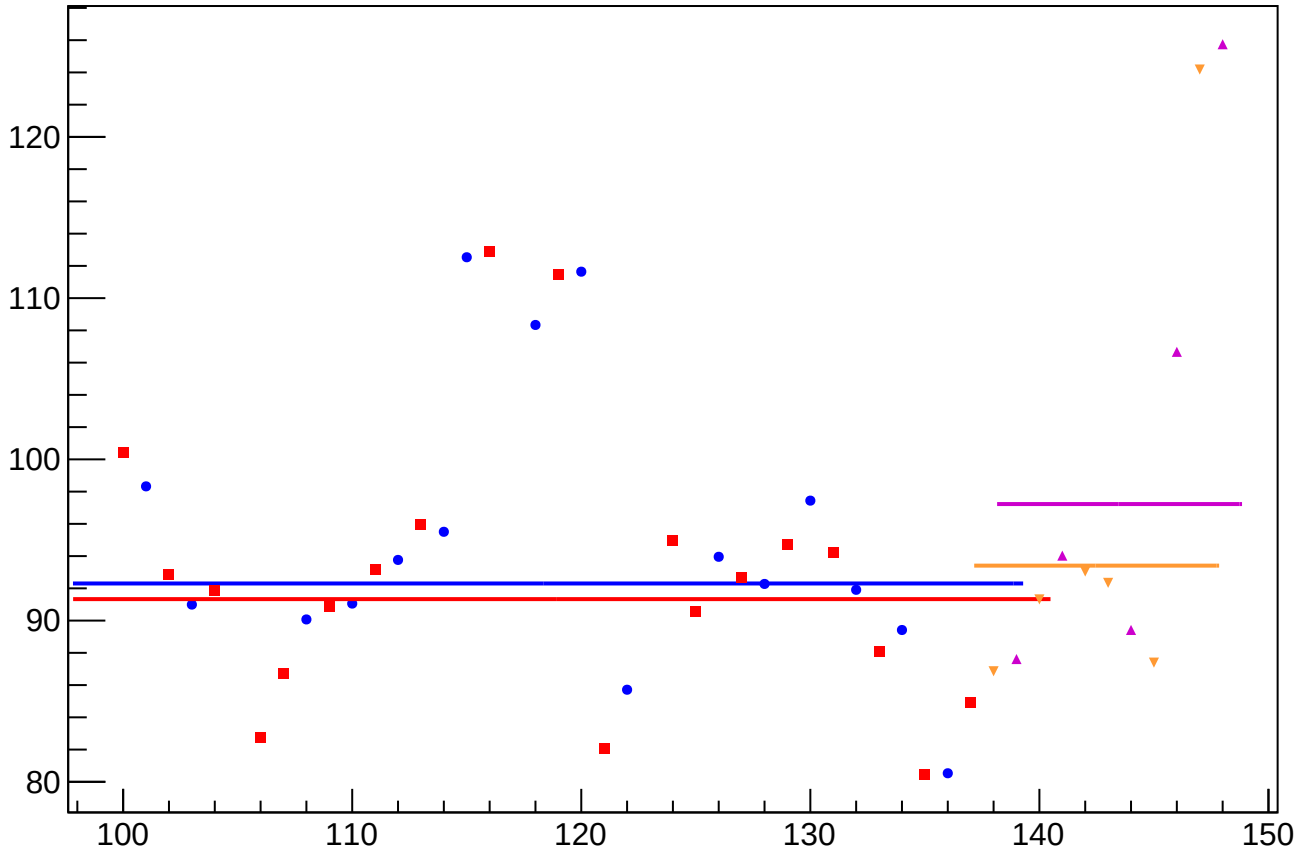
Left: -129.916+/-32.198 χ^2/NDF: 14.0/10

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -24.084+/-27.758 χ^2/NDF:29.9/20

Out: -55.104+/-26.737 χ^2/NDF:30.8/24

All: -40.175+/-19.257 χ^2/NDF: 61.4/45



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

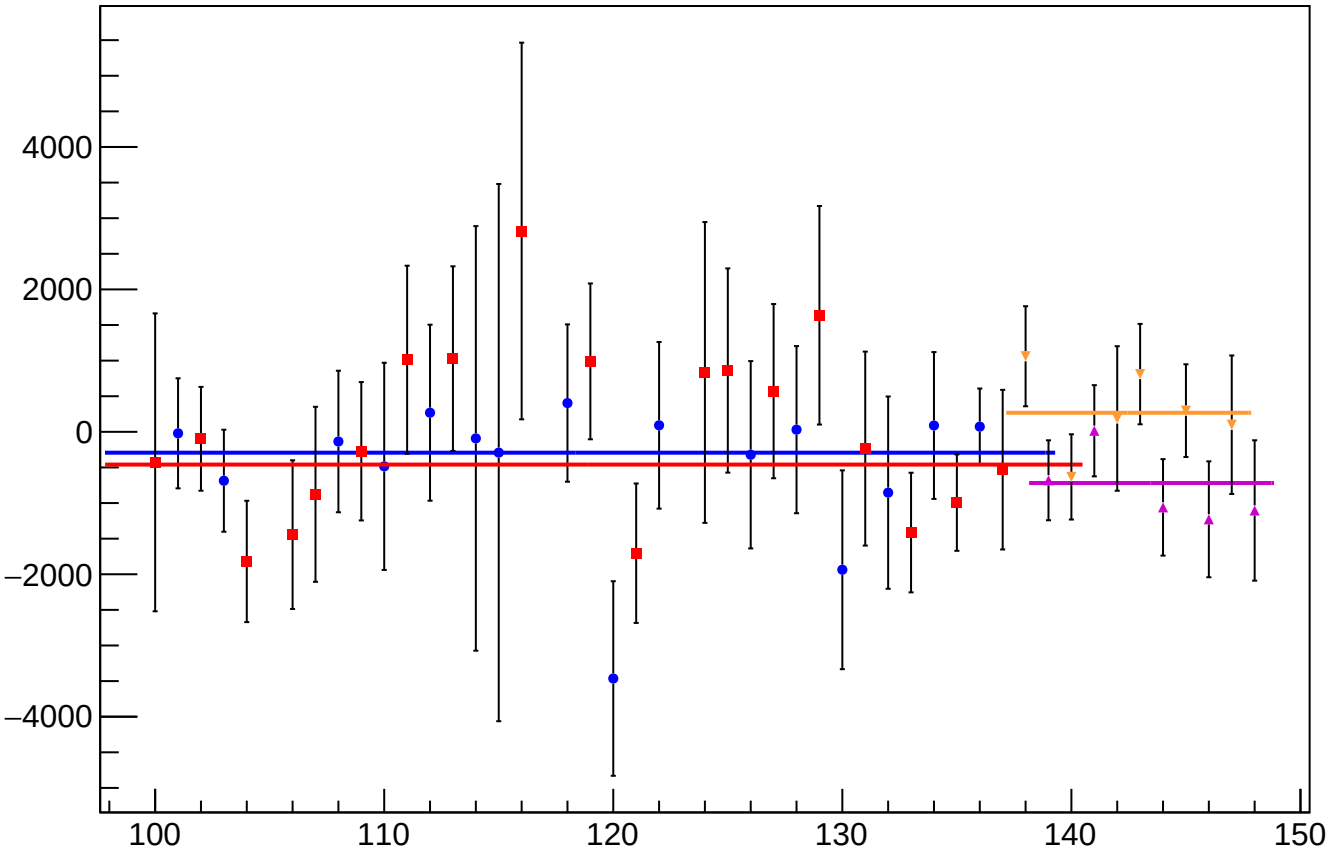
Left: 95.207+/-0.023 χ^2/NDF: 262506.0/10

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 94.026+/-0.020 χ^2/NDF:257864.6/20

Out: 92.090+/-0.019 χ^2/NDF:226740.3/24

All: 93.022+/-0.014 χ^2/NDF: 489654.0/45



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -718.664+/-311.125 χ^2/NDF:2.1/4

Left: -204.971+/-215.407 χ^2/NDF: 11.5/10

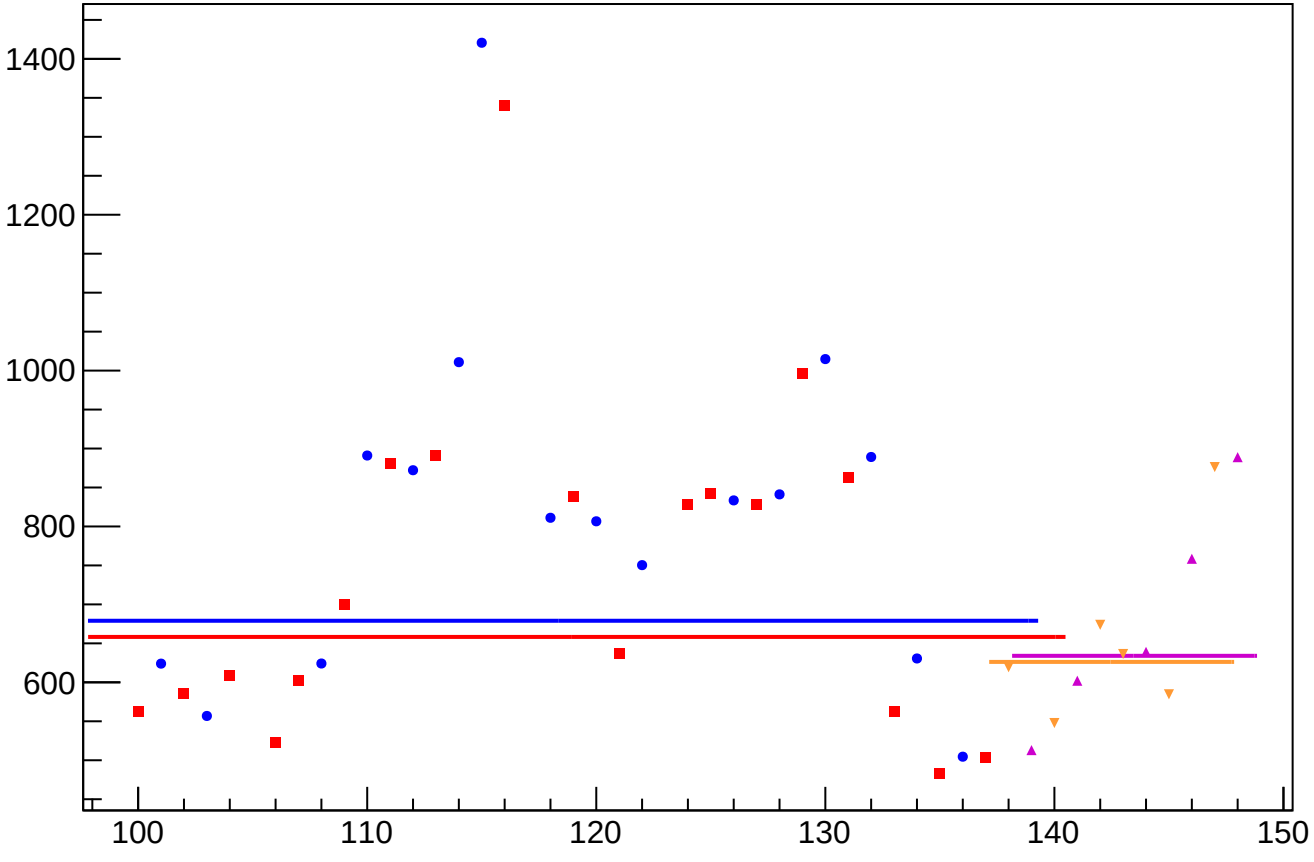
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -467.641+/-199.368 χ^2/NDF:12.0/20

Out: -160.326+/-191.461 χ^2/NDF:24.7/24

All: -307.769+/-138.094 χ^2/NDF: 38.0/45

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: 626.204+/-0.211 χ^2/NDF:179740.8/5

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

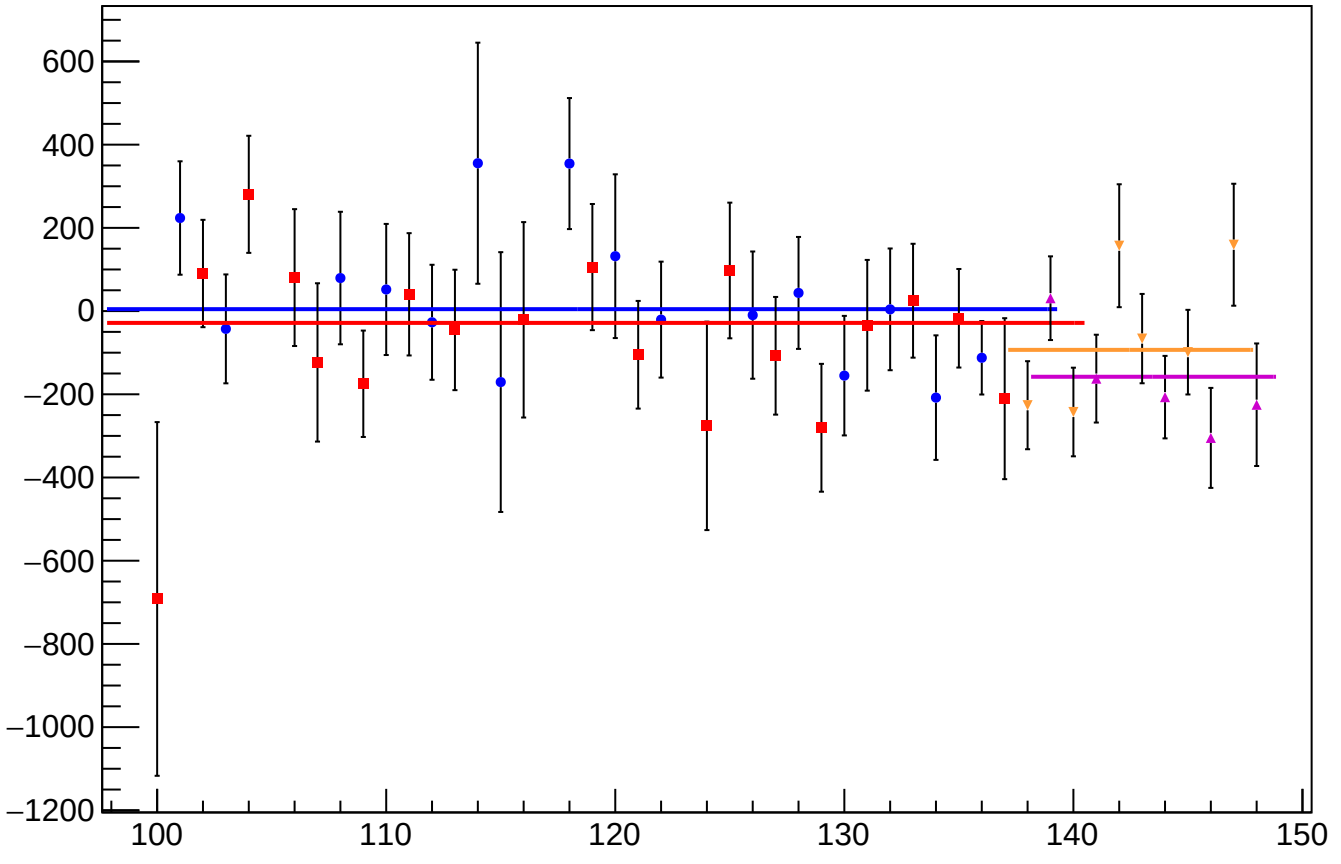
Left: 629.946+/-0.152 χ^2/NDF: 458967.5/10

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 660.528+/-0.141 χ^2/NDF:1071207.4/20

Out: 645.076+/-0.135 χ^2/NDF:999215.5/24

All: 652.489+/-0.098 χ^2/NDF: 2076673.2/45



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.216+/-46.971 χ^2/NDF:9.5/5

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -157.865+/-49.648 χ^2/NDF:5.5/4

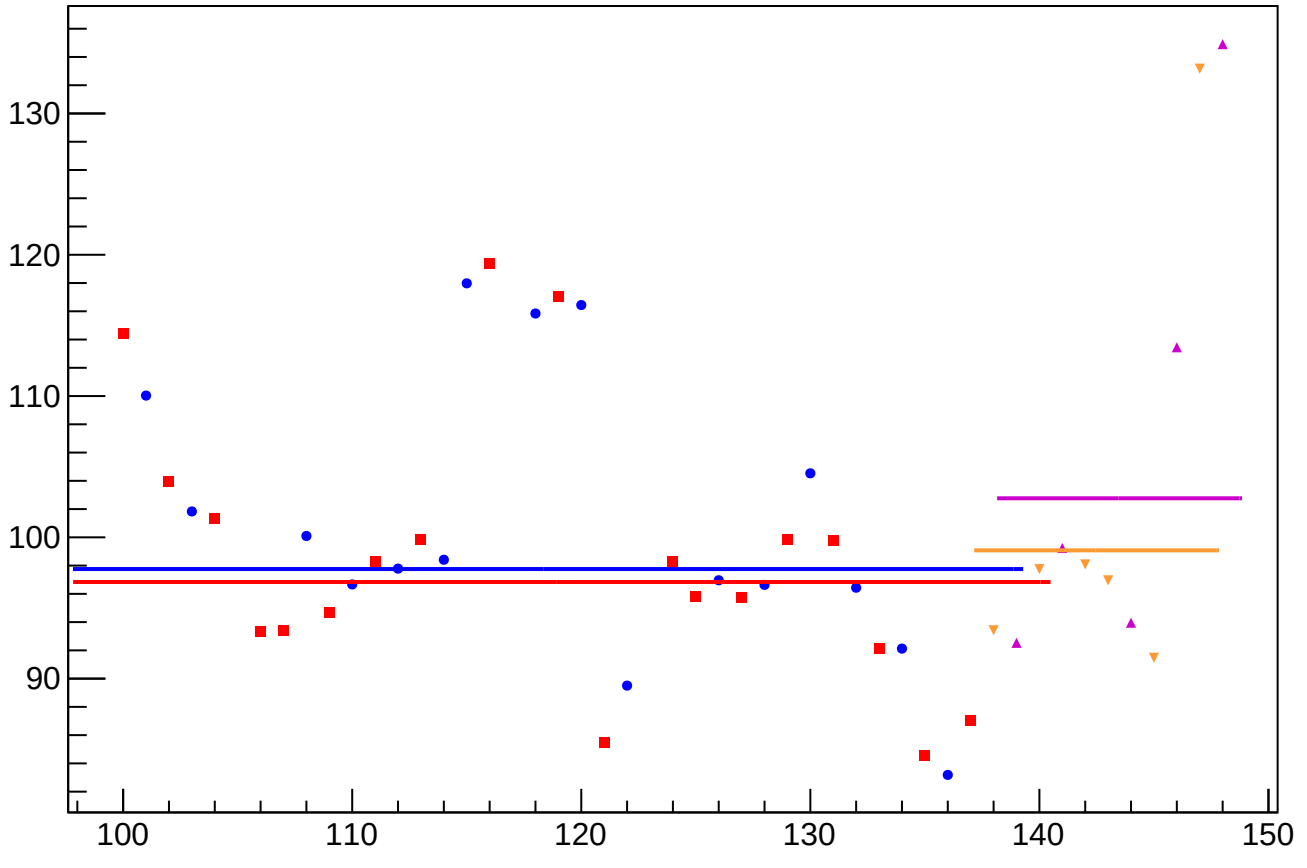
Left: -123.750+/-34.120 χ^2/NDF: 15.8/10

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -52.407+/-29.413 χ^2/NDF:27.8/20

Out: -51.939+/-28.303 χ^2/NDF:27.8/24

All: -52.164+/-20.394 χ^2/NDF: 55.5/45



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 99.079+/-0.033 χ^2/NDF:126285.5/5

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 102.763+/-0.035 χ^2/NDF:149776.9/4

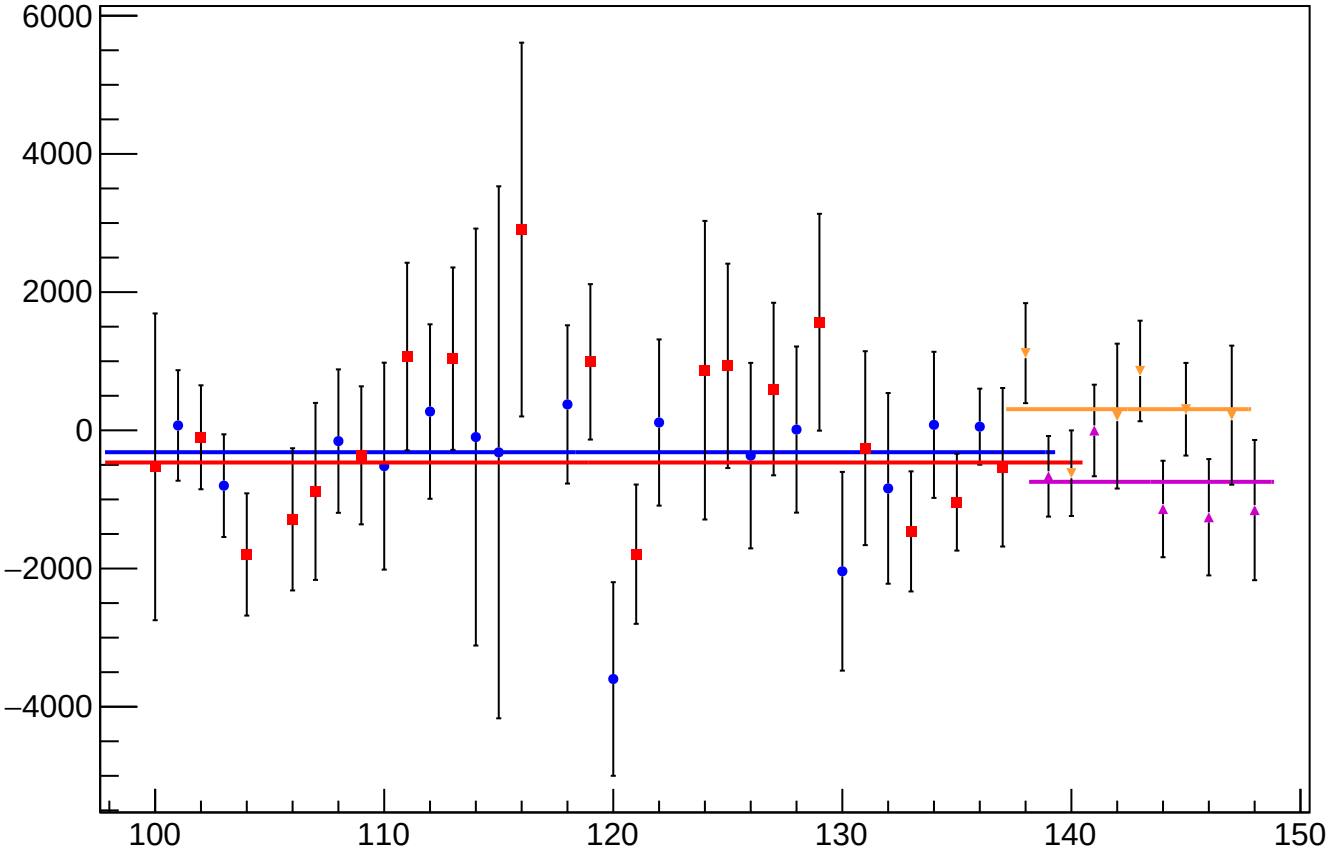
Left: 100.819+/-0.024 χ^2/NDF: 281872.6/10

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 99.513+/-0.021 χ^2/NDF:303634.8/20

Out: 97.653+/-0.020 χ^2/NDF:244352.7/24

All: 98.547+/-0.014 χ^2/NDF: 552142.0/45



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.082+/-308.188 χ^2/NDF:4.1/5

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -745.172+/-321.849 χ^2/NDF:2.1/4

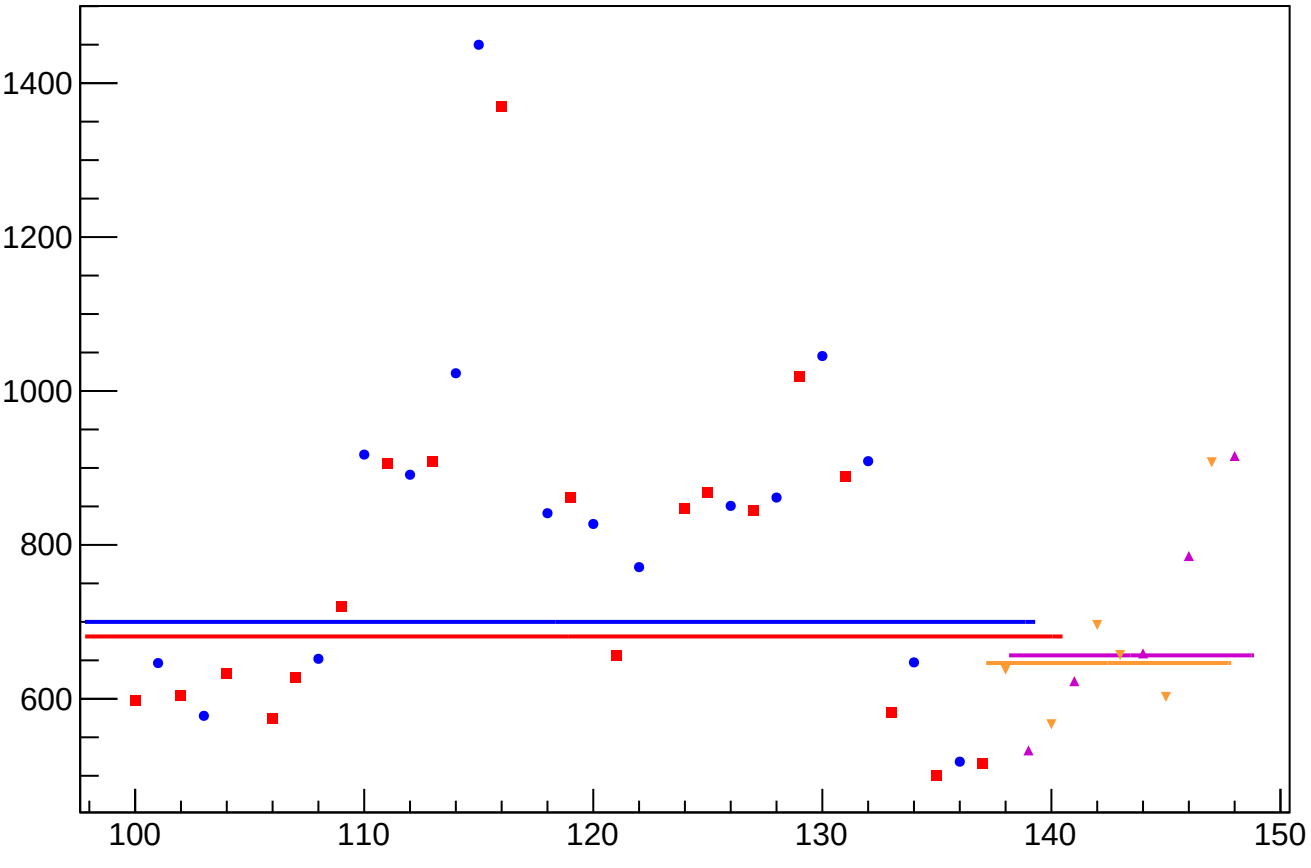
Left: -196.762+/-222.594 χ^2/NDF: 11.8/10

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -491.692+/-205.728 χ^2/NDF:12.3/20

Out: -149.581+/-197.217 χ^2/NDF:24.3/24

All: -313.413+/-142.367 χ^2/NDF: 38.0/45



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 646.549+/-0.218 χ^2/NDF:181158.3/5

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 656.478+/-0.228 χ^2/NDF:272273.7/4

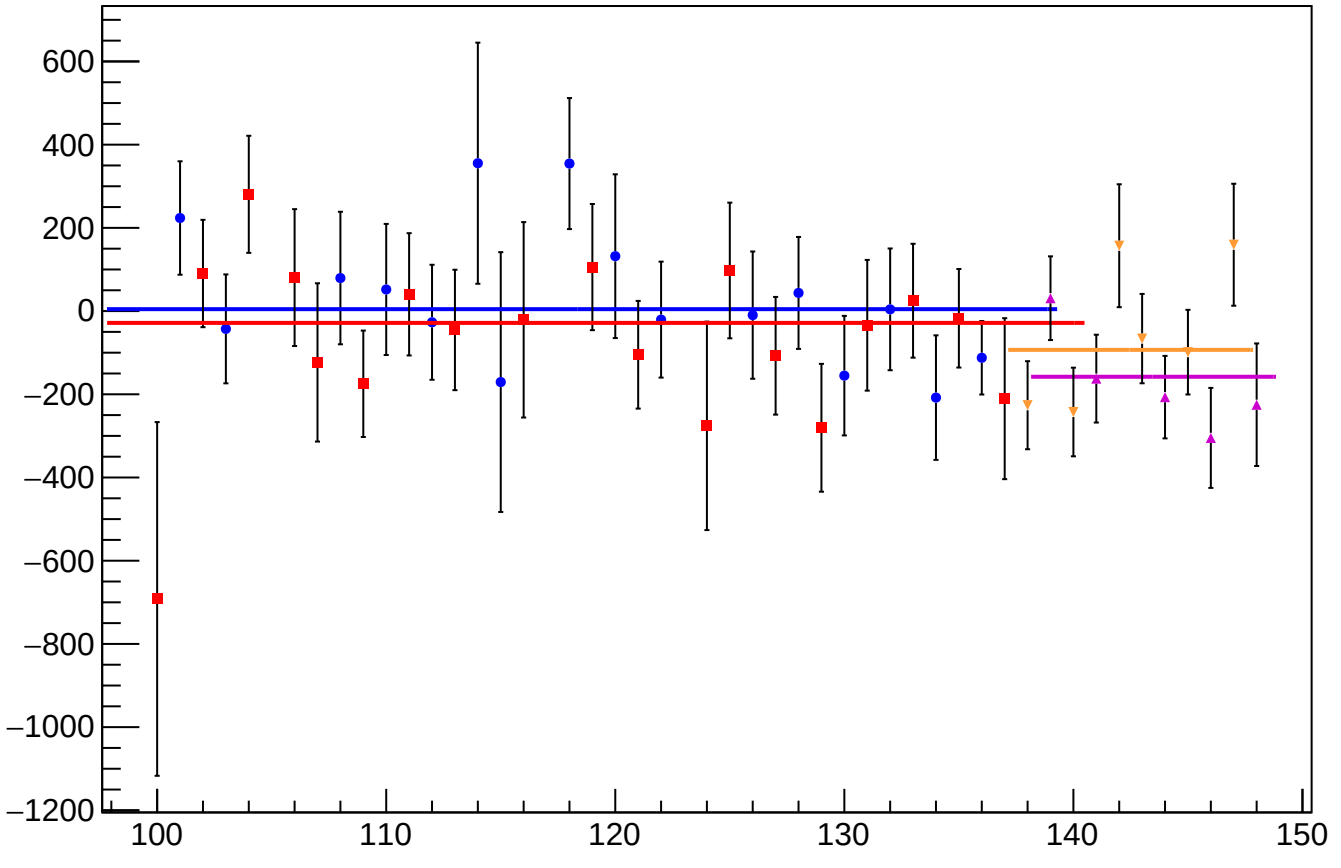
Left: 651.298+/-0.157 χ^2/NDF: 454425.0/10

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 682.201+/-0.145 χ^2/NDF:1047541.1/20

Out: 666.902+/-0.139 χ^2/NDF:965327.5/24

All: 674.229+/-0.101 χ^2/NDF: 2018632.7/45



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.217+/-46.971 χ^2/NDF:9.5/5

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -157.866+/-49.648 χ^2/NDF:5.5/4

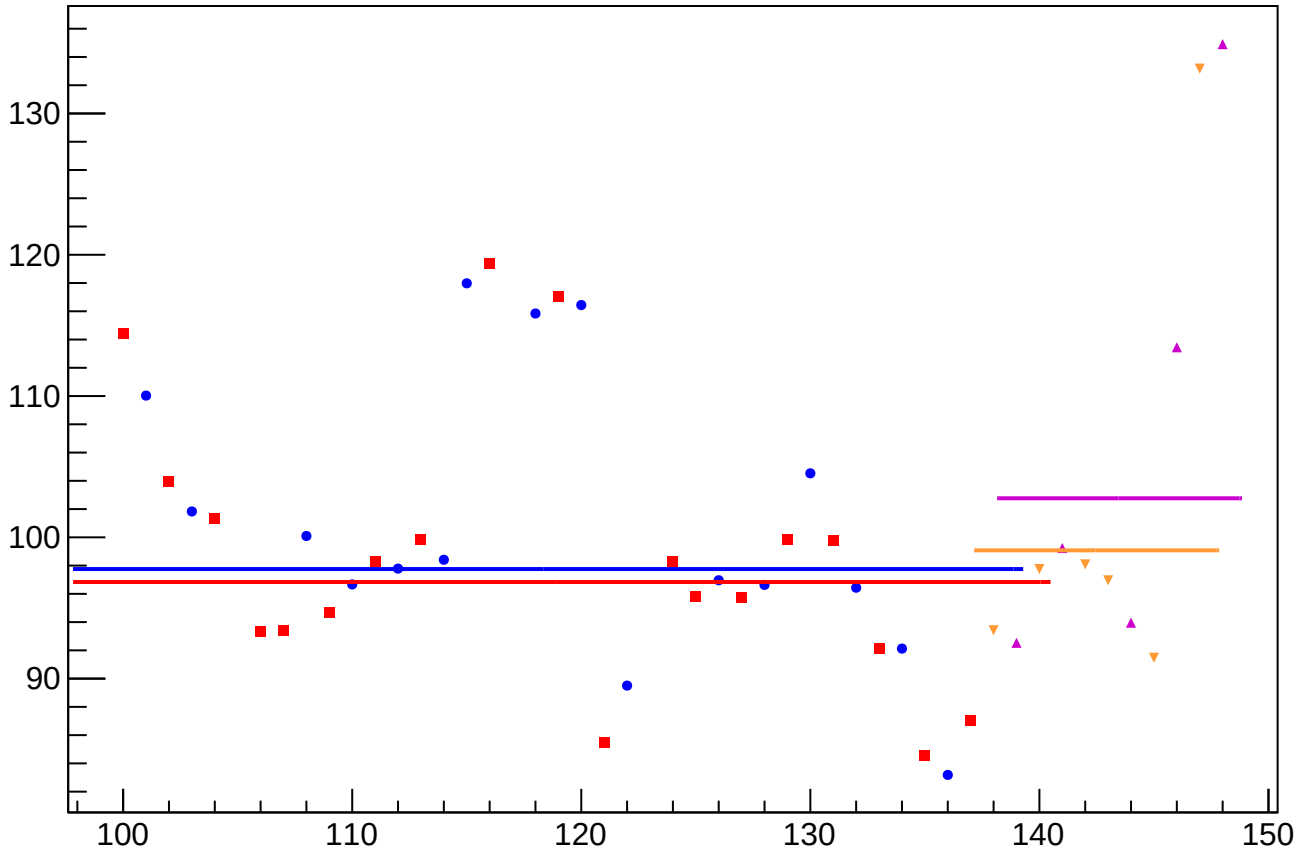
Left: -123.751+/-34.120 χ^2/NDF: 15.8/10

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -52.407+/-29.413 χ^2/NDF:27.8/20

Out: -51.939+/-28.303 χ^2/NDF:27.8/24

All: -52.164+/-20.394 χ^2/NDF: 55.5/45



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 99.080+/-0.033 χ^2/NDF:126286.4/5

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 102.763+/-0.035 χ^2/NDF:149777.4/4

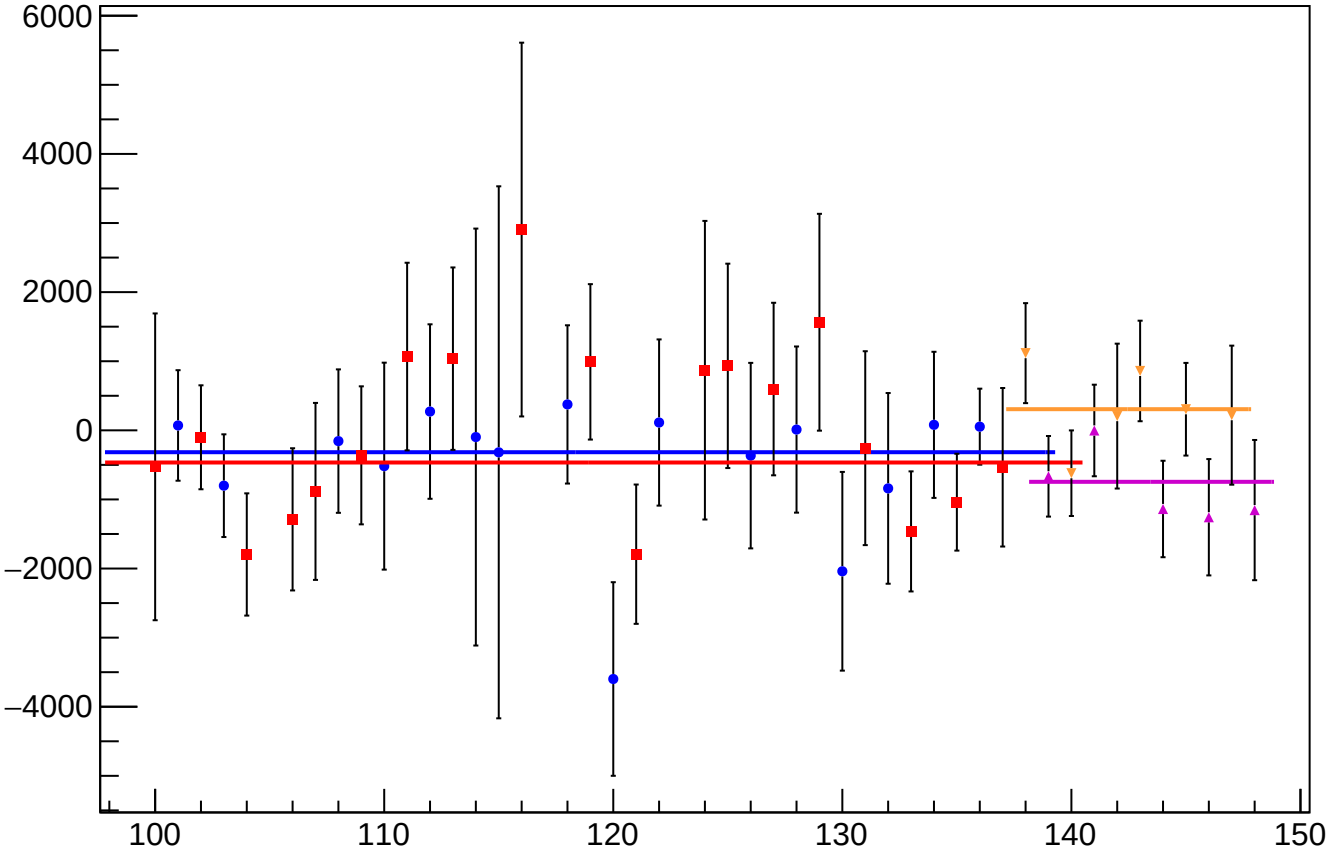
Left: 100.819+/-0.024 χ^2/NDF: 281874.4/10

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 99.513+/-0.021 χ^2/NDF:303638.4/20

Out: 97.653+/-0.020 χ^2/NDF:244356.9/24

All: 98.547+/-0.014 χ^2/NDF: 552150.1/45



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.081+/-308.188 χ^2/NDF:4.1/5

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -745.174+/-321.849 χ^2/NDF:2.1/4

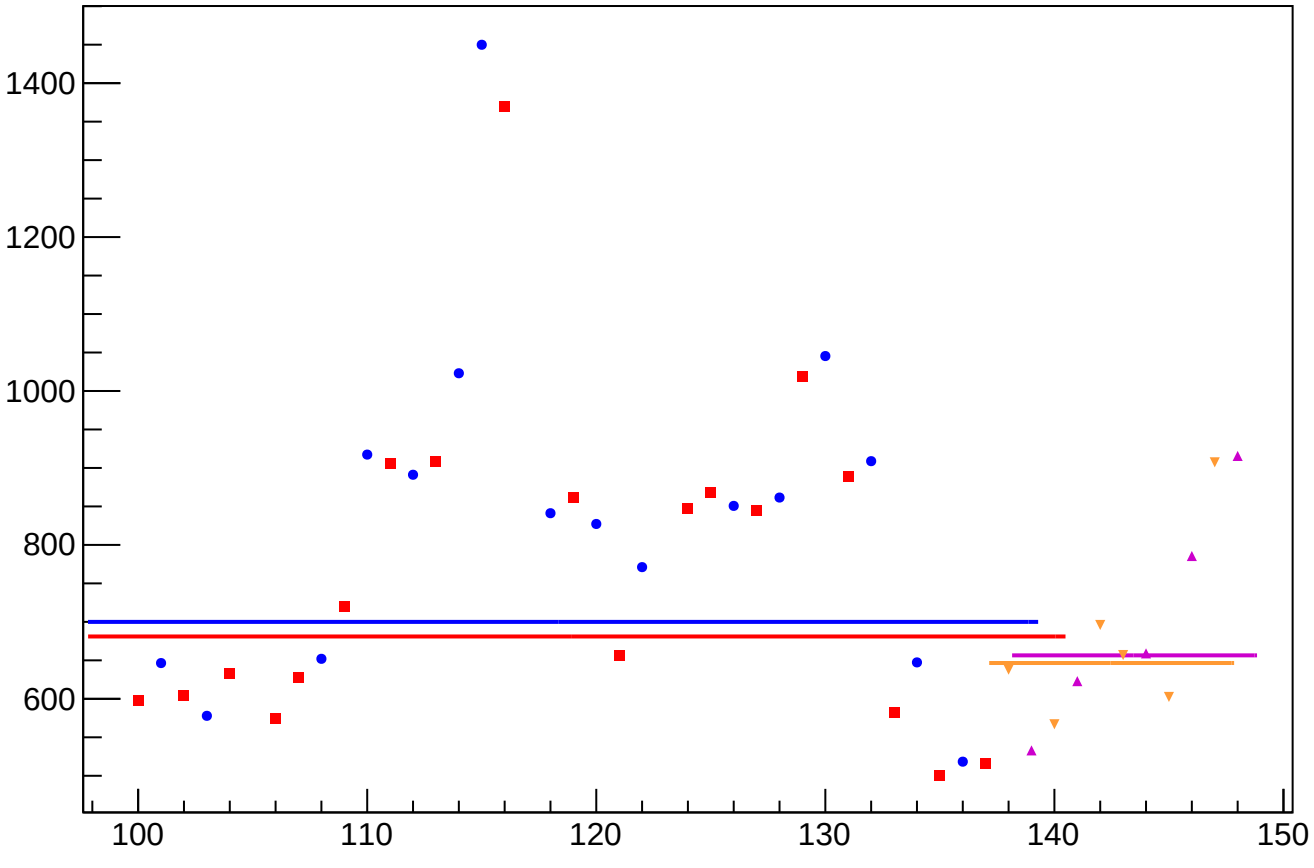
Left: -196.763+/-222.595 χ^2/NDF: 11.8/10

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -491.691+/-205.728 χ^2/NDF:12.3/20

Out: -149.582+/-197.216 χ^2/NDF:24.3/24

All: -313.413+/-142.367 χ^2/NDF: 38.0/45



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 646.550+/-0.218 χ^2/NDF:181157.8/5

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 656.479+/-0.228 χ^2/NDF:272273.5/4

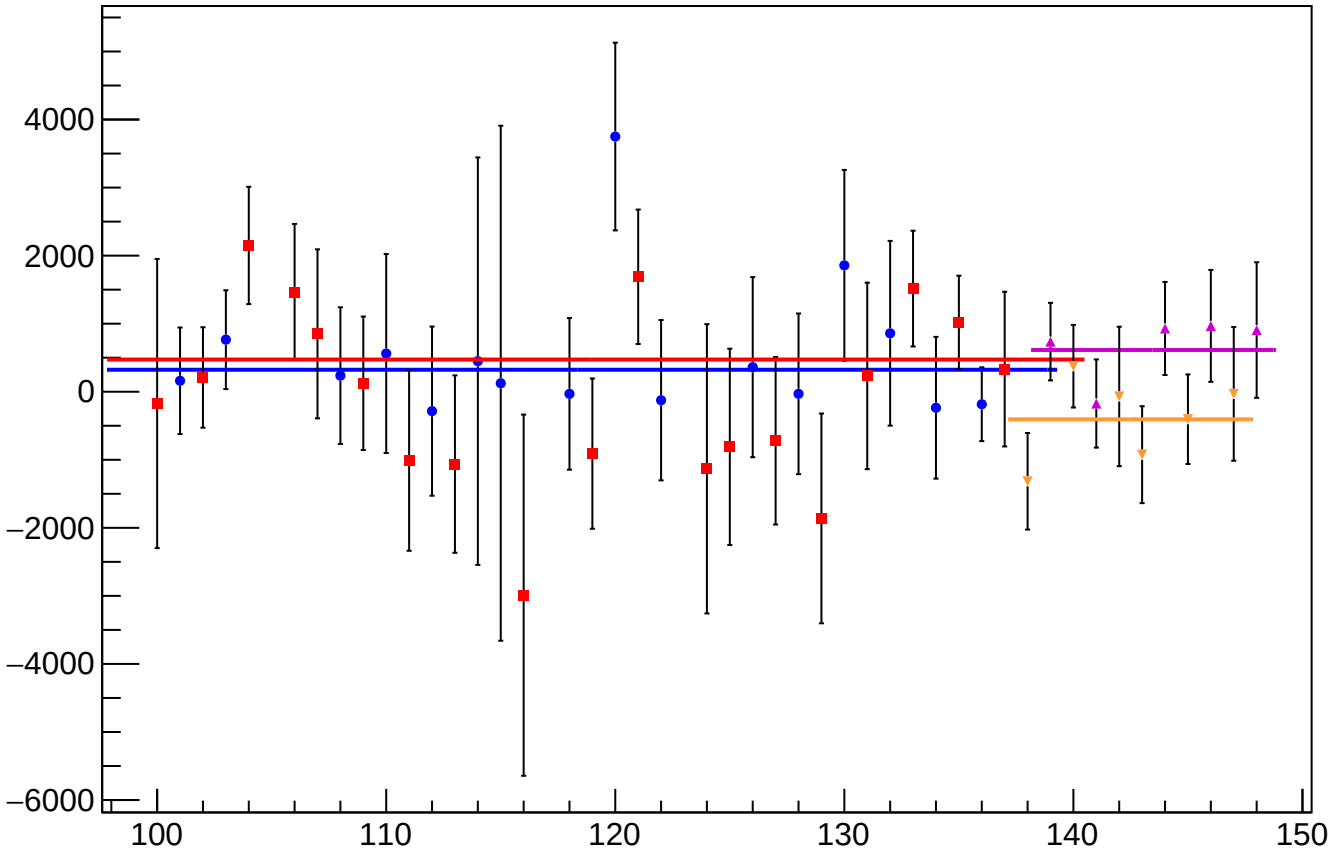
Left: 651.299+/-0.157 χ^2/NDF: 454424.3/10

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 682.201+/-0.145 χ^2/NDF:1047541.2/20

Out: 666.901+/-0.139 χ^2/NDF:965328.3/24

All: 674.228+/-0.101 χ^2/NDF: 2018633.7/45



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -405.694+/-301.911 χ^2/NDF:4.1/5

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 613.712+/-314.898 χ^2/NDF:2.0/4

Left: 82.556+/-217.930 χ^2/NDF: 11.6/10

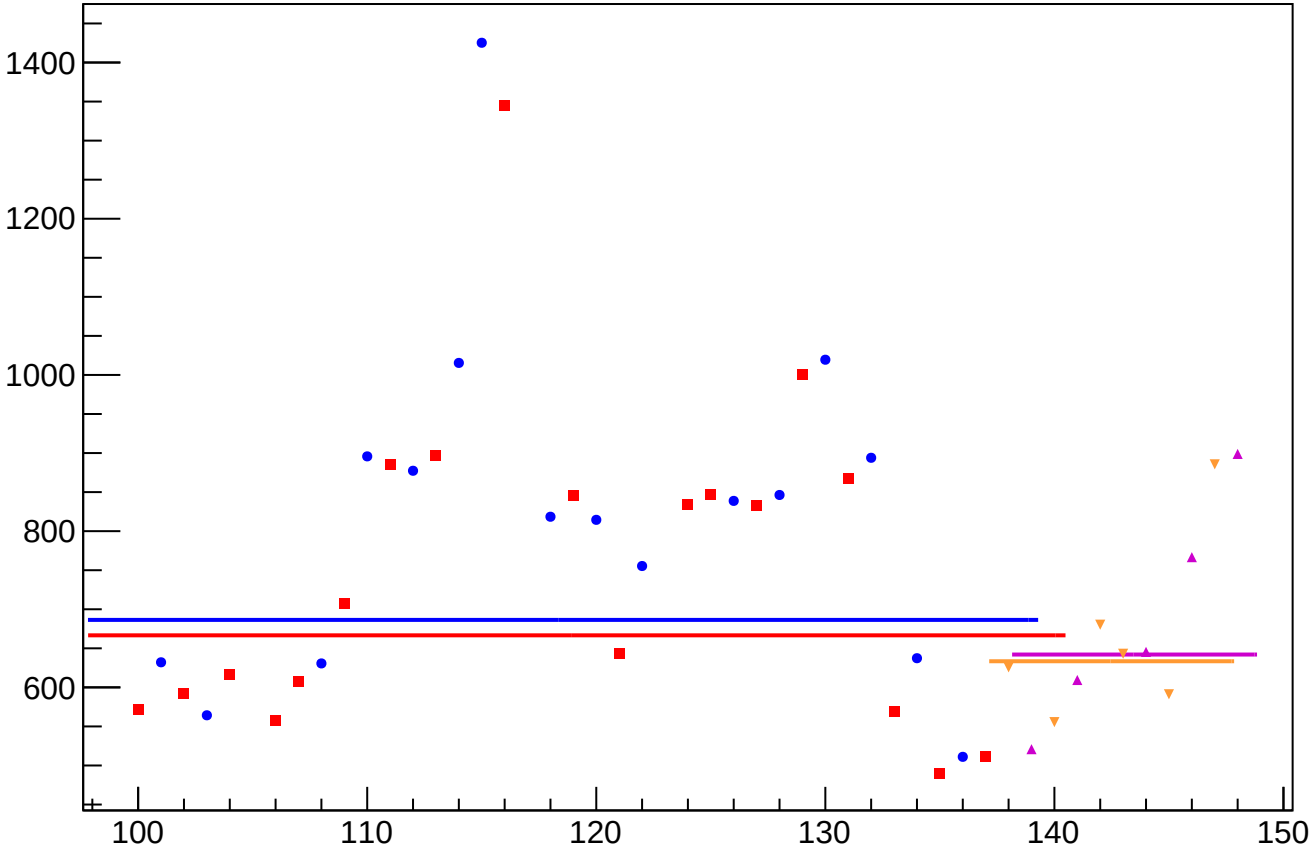
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 442.217+/-201.555 χ^2/NDF:12.2/20

Out: 113.461+/-193.160 χ^2/NDF:28.5/24

All: 270.850+/-139.458 χ^2/NDF: 42.1/45

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 633.446+/-0.213 χ^2/NDF:177707.8/5

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.043+/-0.223 χ^2/NDF:274480.0/4

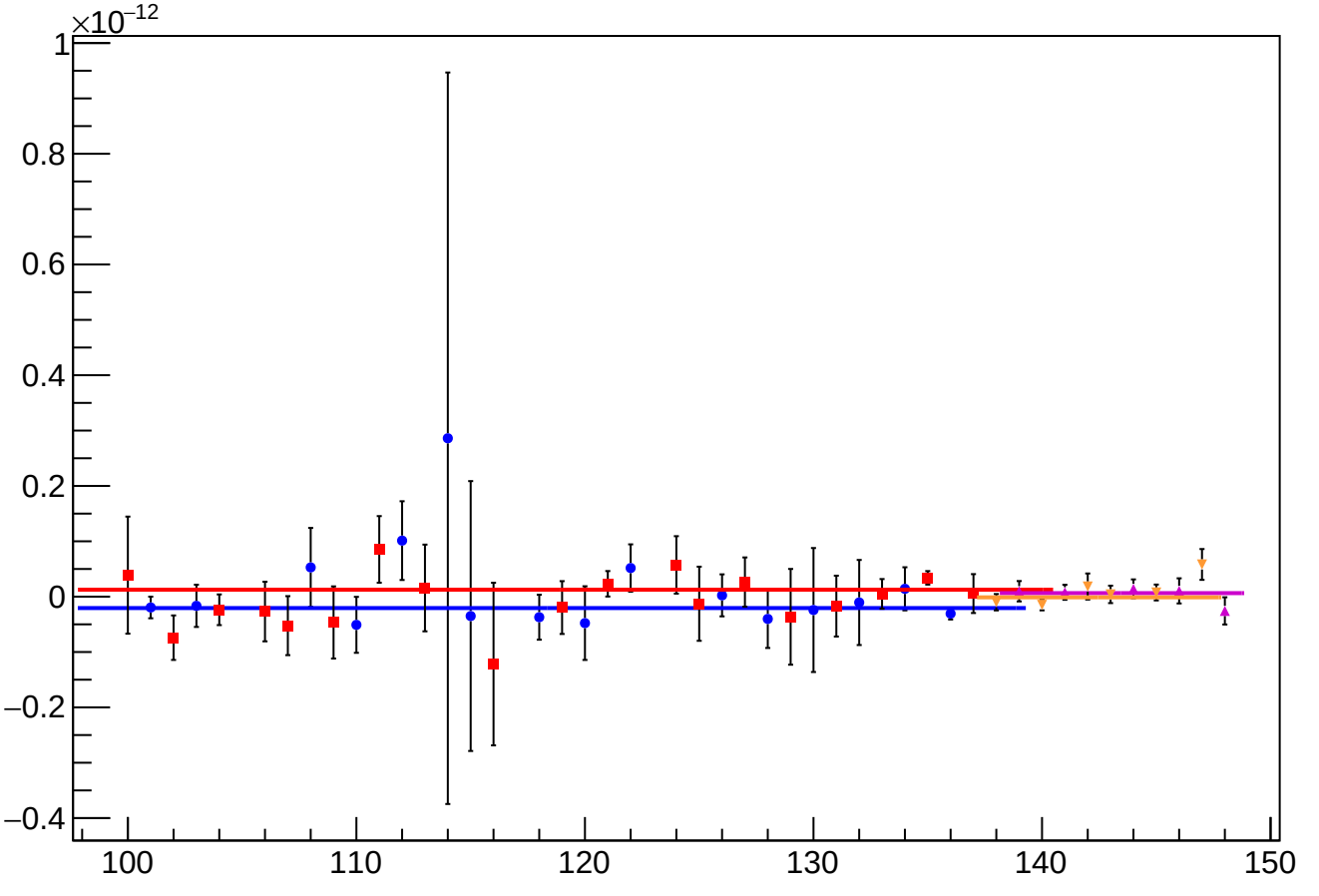
Left: 637.564+/-0.154 χ^2/NDF: 452964.6/10

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 668.224+/-0.143 χ^2/NDF:1047354.5/20

Out: 653.049+/-0.137 χ^2/NDF:969017.1/24

All: 660.314+/-0.099 χ^2/NDF: 2022281.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/4

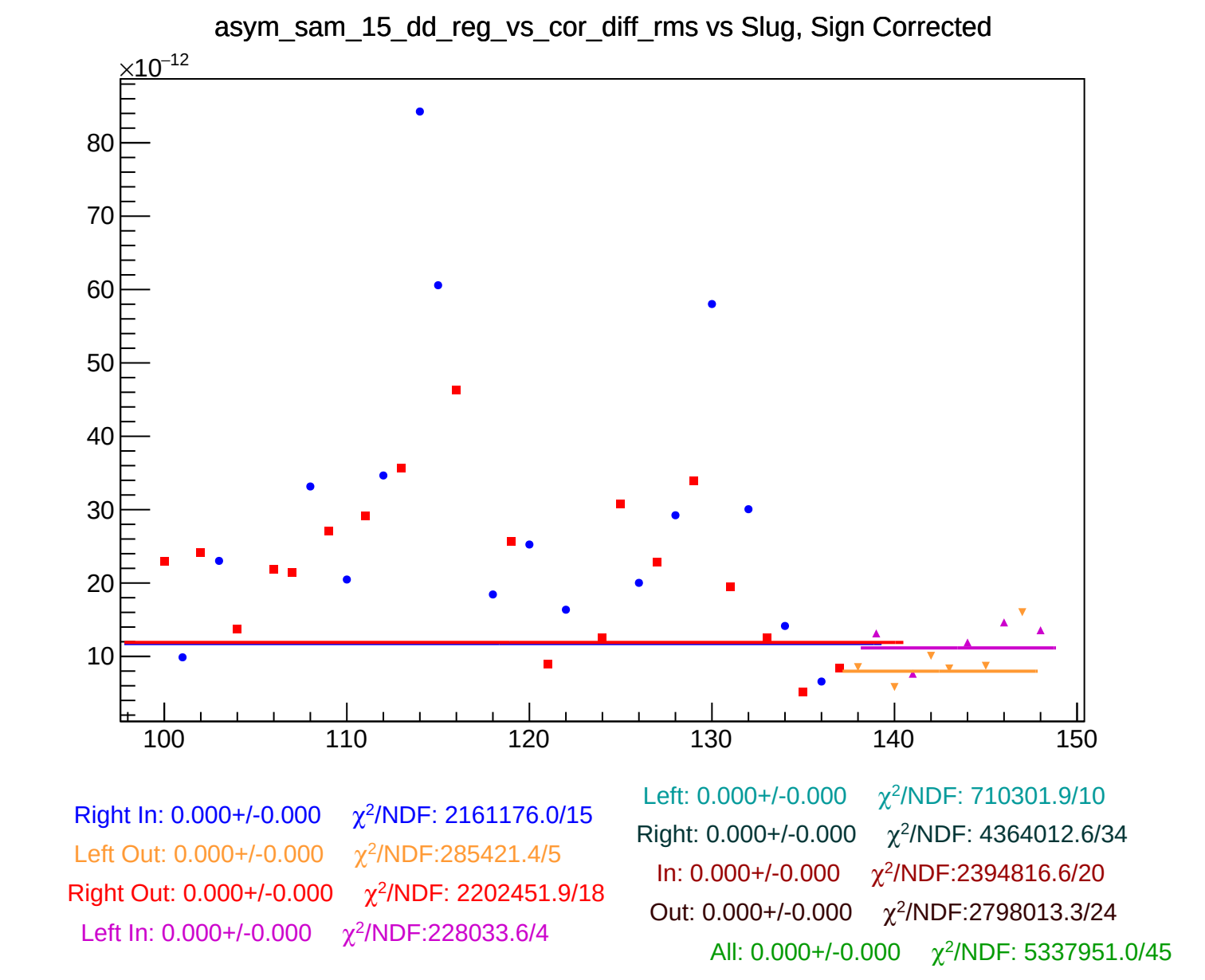
Left: 0.000+/-0.000 χ^2/NDF: 10.5/10

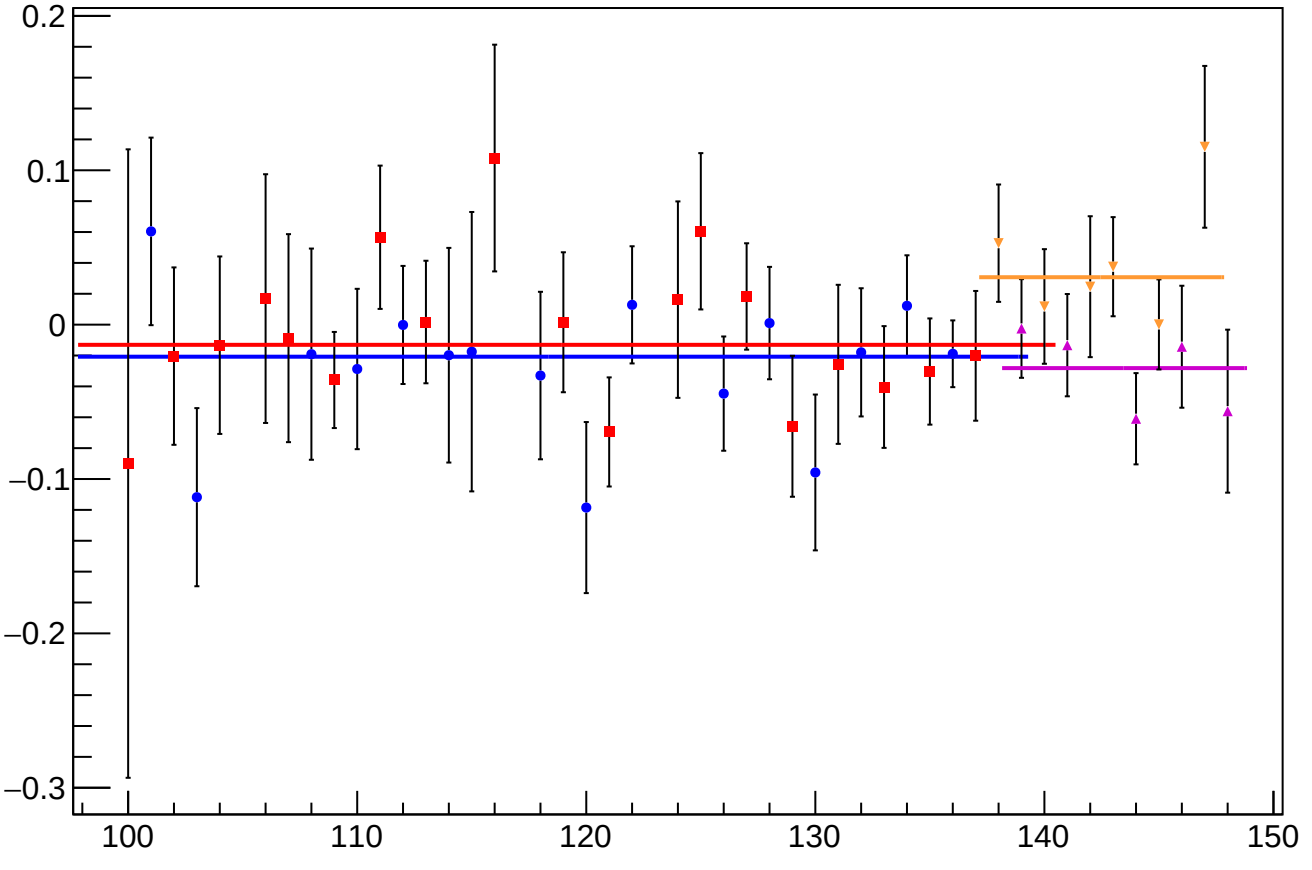
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.8/20

Out: 0.000+/-0.000 χ^2/NDF:26.9/24

All: -0.000+/-0.000 χ^2/NDF: 47.1/45


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:285421.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:228033.6/4
Left: 0.000+/-0.000 χ²/NDF: 710301.9/10
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2394816.6/20
Out: 0.000+/-0.000 χ²/NDF:2798013.3/24
All: 0.000+/-0.000 χ²/NDF: 5337951.0/45



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.016 χ^2/NDF:2.5/4

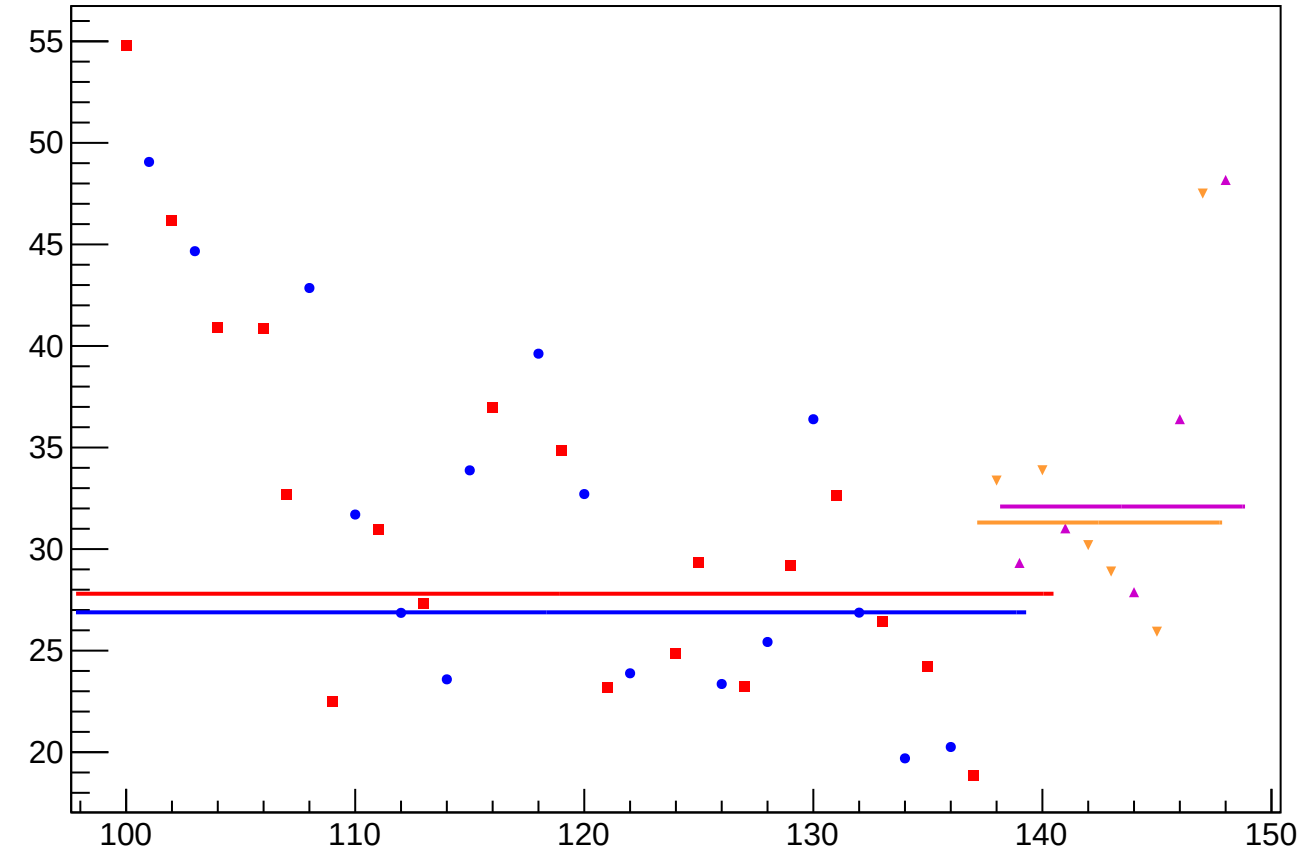
Left: 0.003+/-0.011 χ^2/NDF: 14.1/10

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:15.2/20

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.011+/-0.006 χ^2/NDF: 43.0/45



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.308+/-0.011 χ^2/NDF:286906.7/5

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.096+/-0.011 χ^2/NDF:267119.8/4

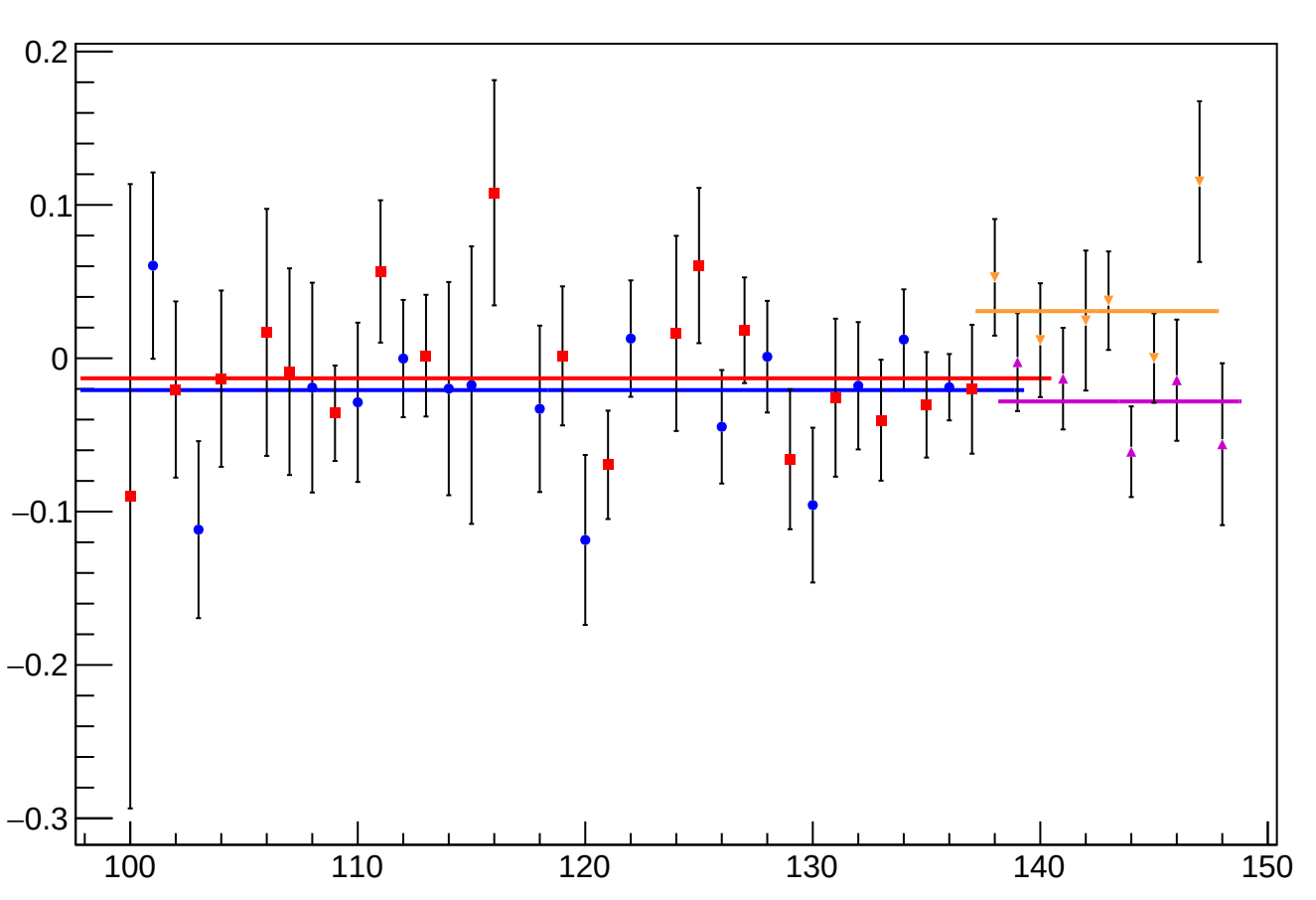
Left: 31.685+/-0.008 χ^2/NDF: 556643.0/10

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 28.492+/-0.006 χ^2/NDF:1539171.3/20

Out: 28.954+/-0.006 χ^2/NDF:1122739.7/24

All: 28.726+/-0.004 χ^2/NDF: 2664745.8/45



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.016 χ^2/NDF:2.5/4

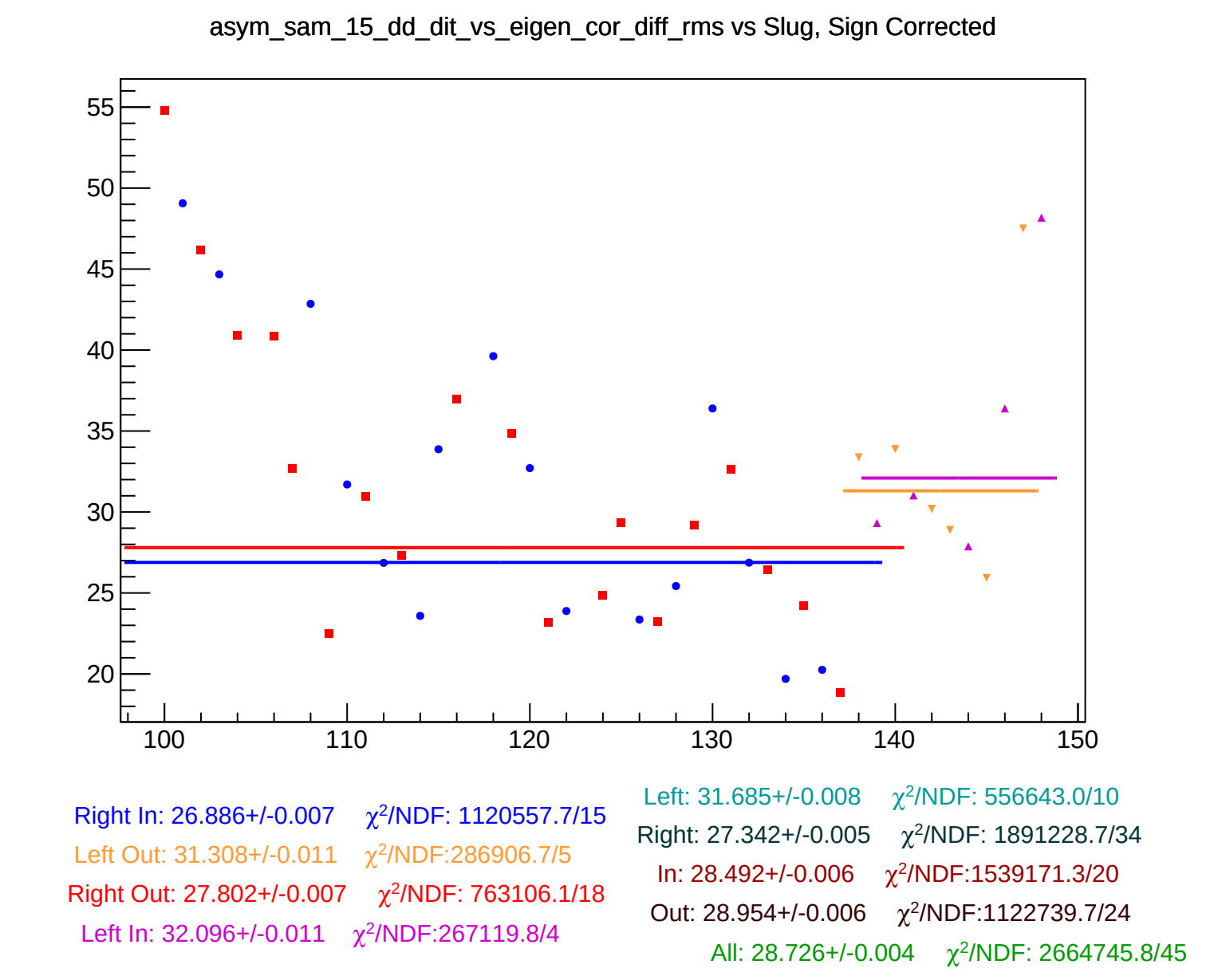
Left: 0.003+/-0.011 χ^2/NDF: 14.1/10

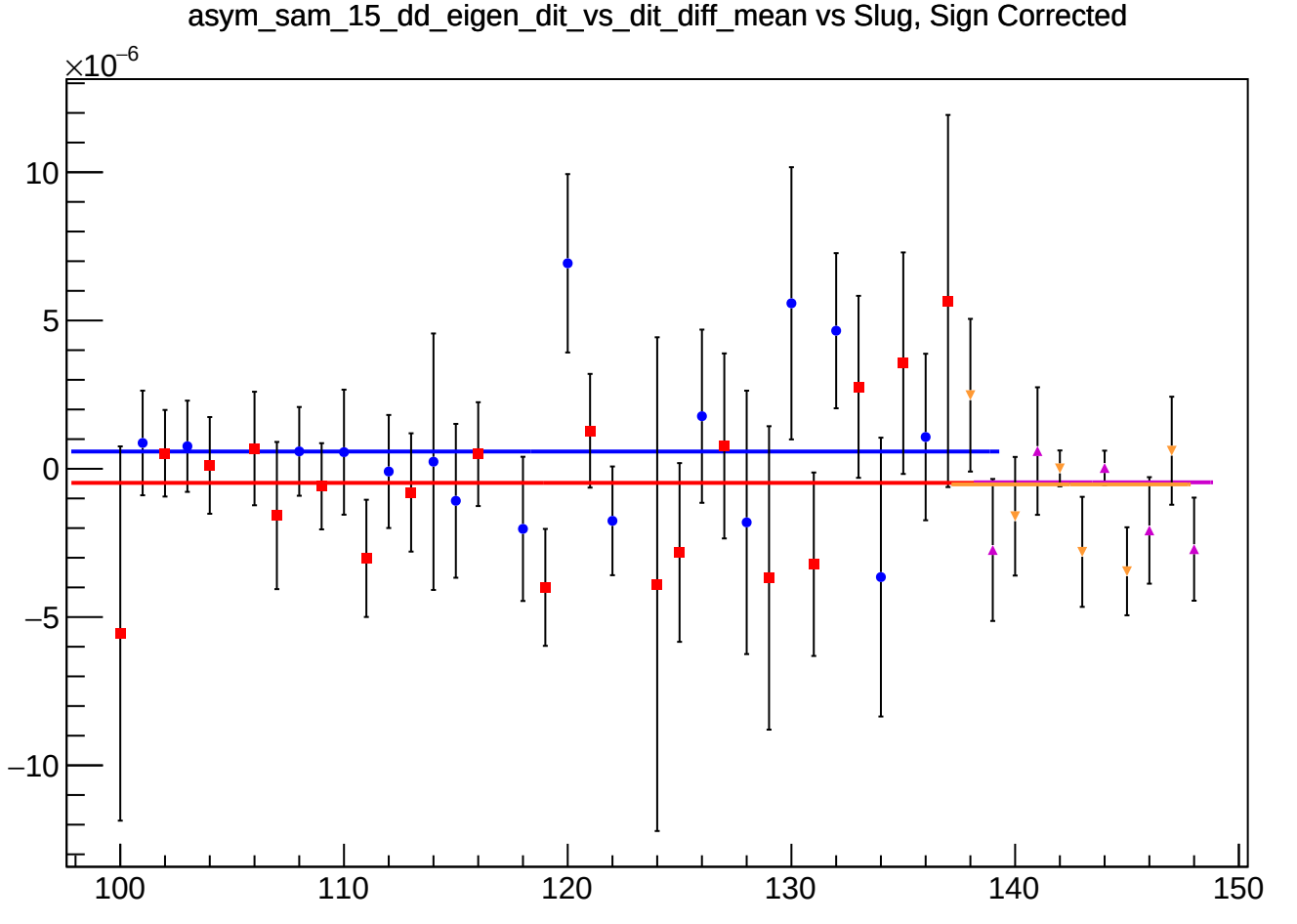
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:15.2/20

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.011+/-0.006 χ^2/NDF: 43.0/45


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.308+/-0.011 χ²/NDF:286906.7/5
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 32.096+/-0.011 χ²/NDF:267119.8/4
Left: 31.685+/-0.008 χ²/NDF: 556643.0/10
Right: 27.342+/-0.005 χ²/NDF: 1891228.7/34
In: 28.492+/-0.006 χ²/NDF:1539171.3/20
Out: 28.954+/-0.006 χ²/NDF:1122739.7/24
All: 28.726+/-0.004 χ²/NDF: 2664745.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/4

Left: -0.000+/-0.000 χ^2/NDF: 12.6/10

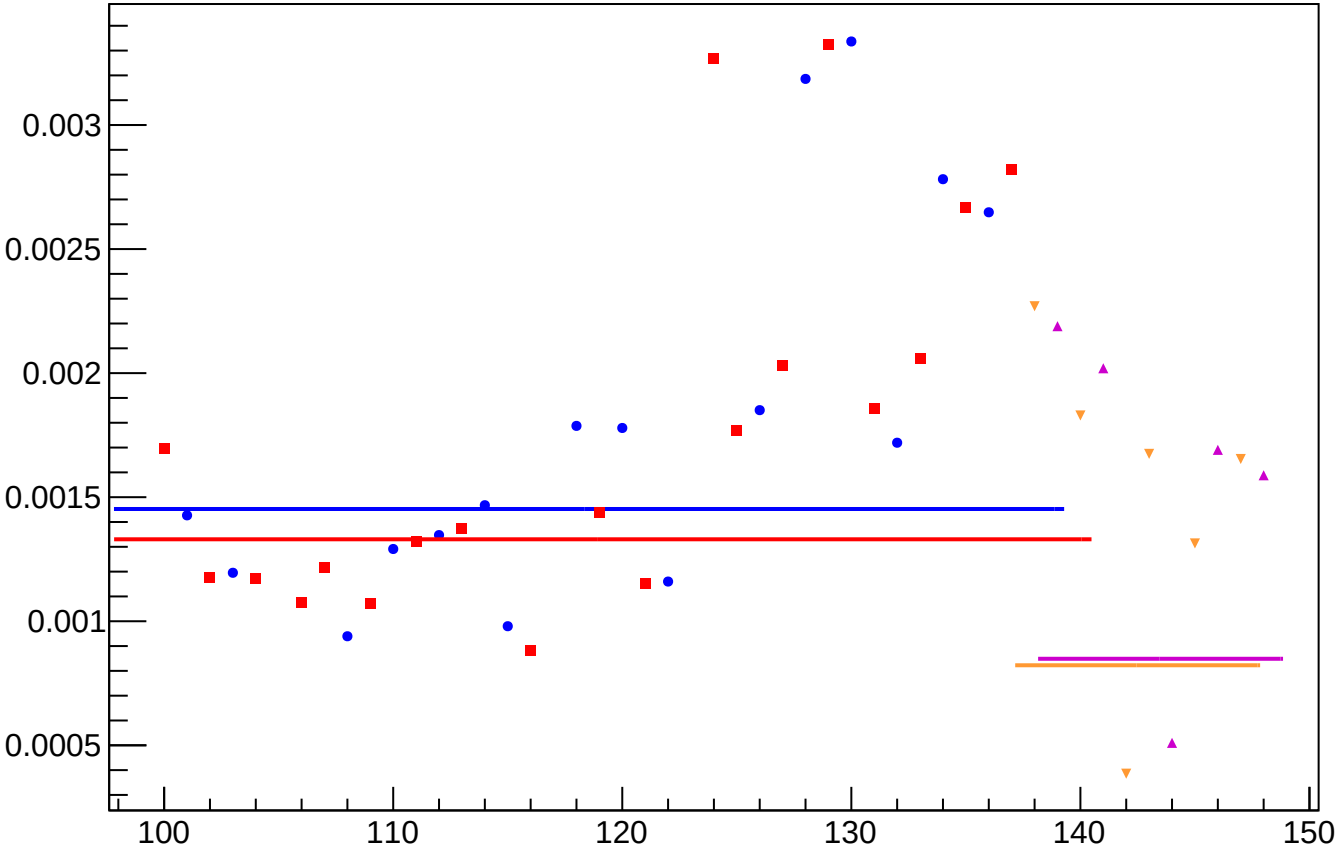
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/20

Out: -0.000+/-0.000 χ^2/NDF:21.4/24

All: -0.000+/-0.000 χ^2/NDF: 41.2/45

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3237330.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2695038.9/4

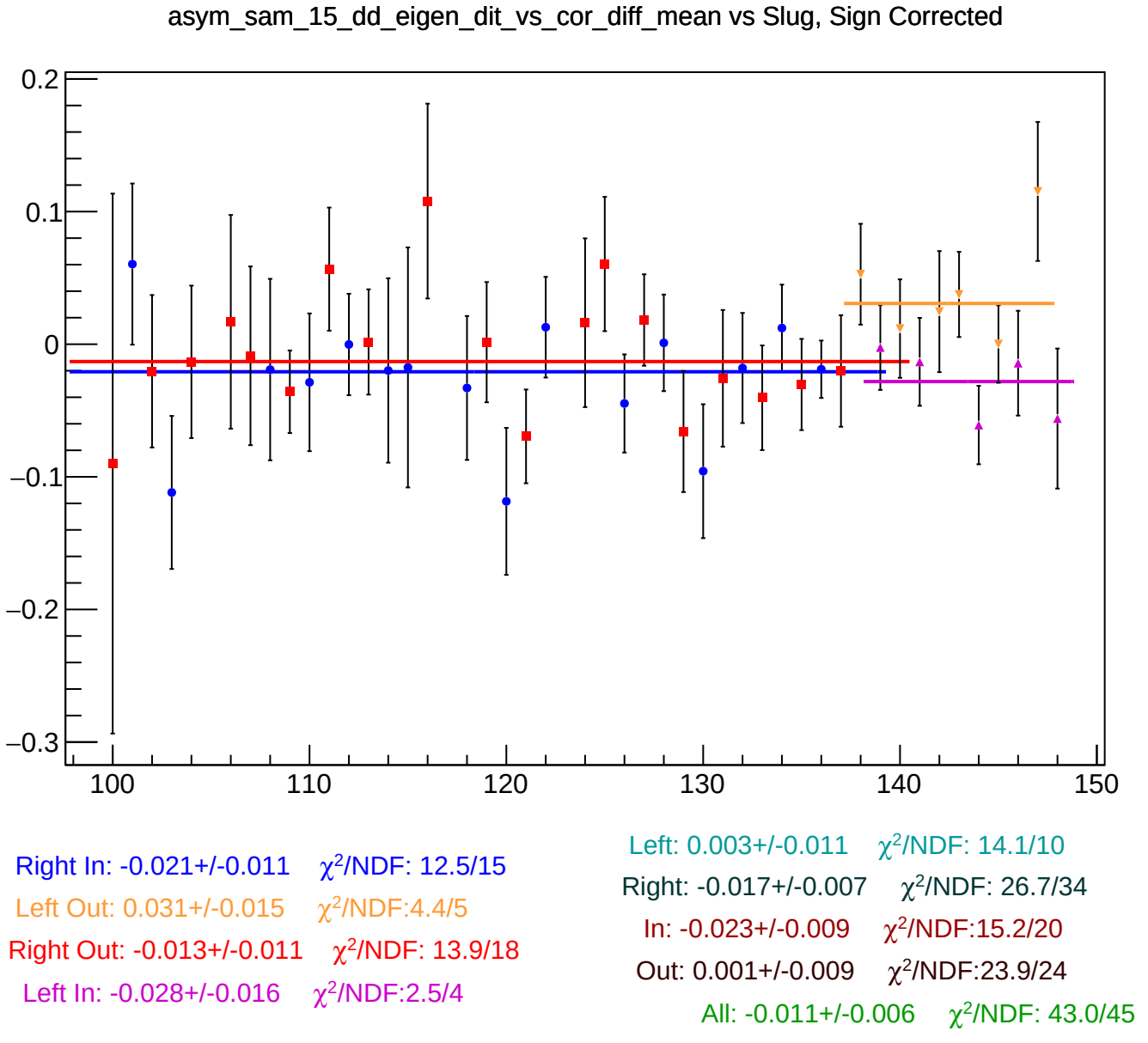
Left: 0.001+/-0.000 χ^2/NDF: 5935152.7/10

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

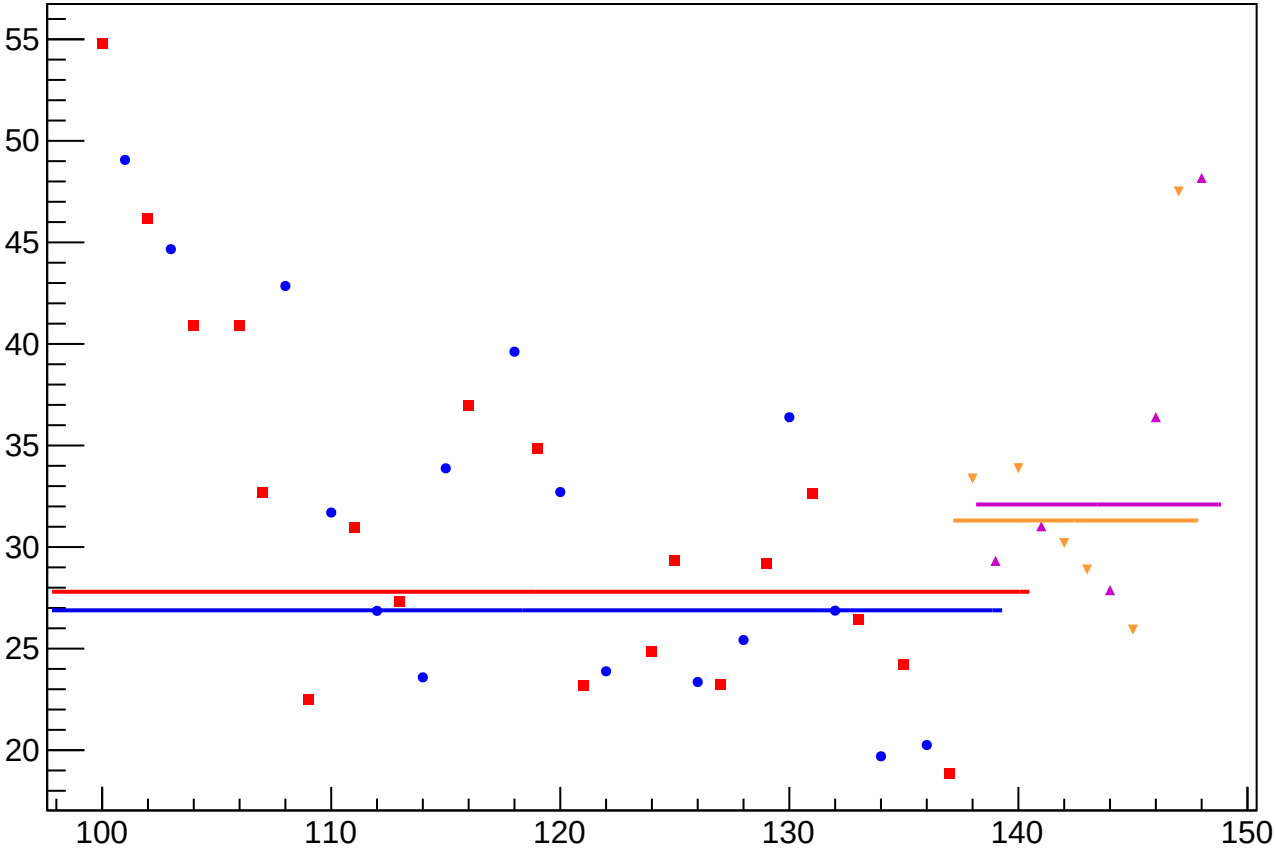
In: 0.001+/-0.000 χ^2/NDF:5651011.8/20

Out: 0.001+/-0.000 χ^2/NDF:5653628.1/24

All: 0.001+/-0.000 χ^2/NDF: 11321213.2/45


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.031+/-0.015 χ²/NDF:4.4/5
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.028+/-0.016 χ²/NDF:2.5/4
Left: 0.003+/-0.011 χ²/NDF: 14.1/10
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.023+/-0.009 χ²/NDF:15.2/20
Out: 0.001+/-0.009 χ²/NDF:23.9/24
All: -0.011+/-0.006 χ²/NDF: 43.0/45

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: 31.308+/-0.011 χ^2/NDF:286951.5/5

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.097+/-0.011 χ^2/NDF:267127.3/4

Left: 31.685+/-0.008 χ^2/NDF: 556699.5/10

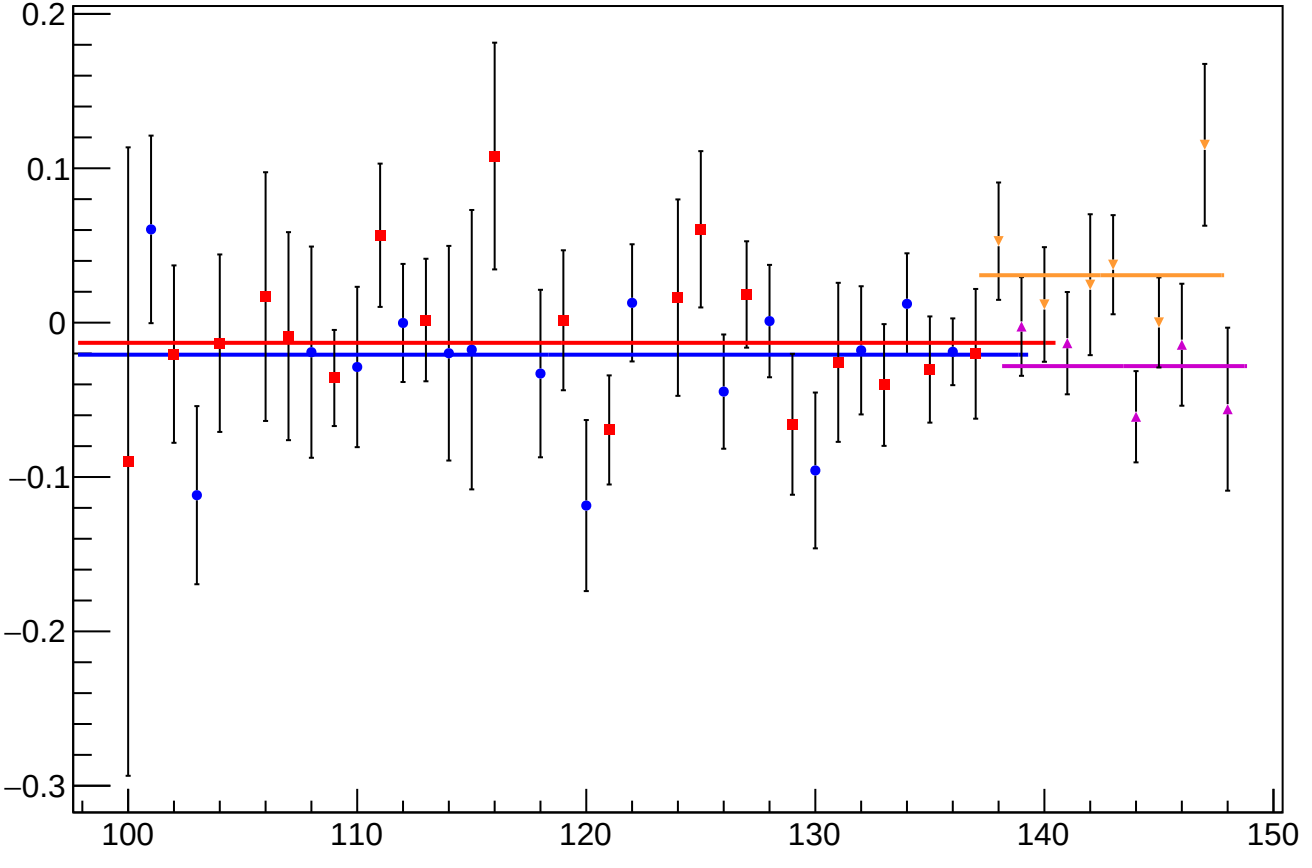
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 28.491+/-0.006 χ^2/NDF:1539279.7/20

Out: 28.953+/-0.006 χ^2/NDF:1122952.6/24

All: 28.725+/-0.004 χ^2/NDF: 2665061.7/45

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.016 χ^2/NDF:2.5/4

Left: 0.003+/-0.011 χ^2/NDF: 14.1/10

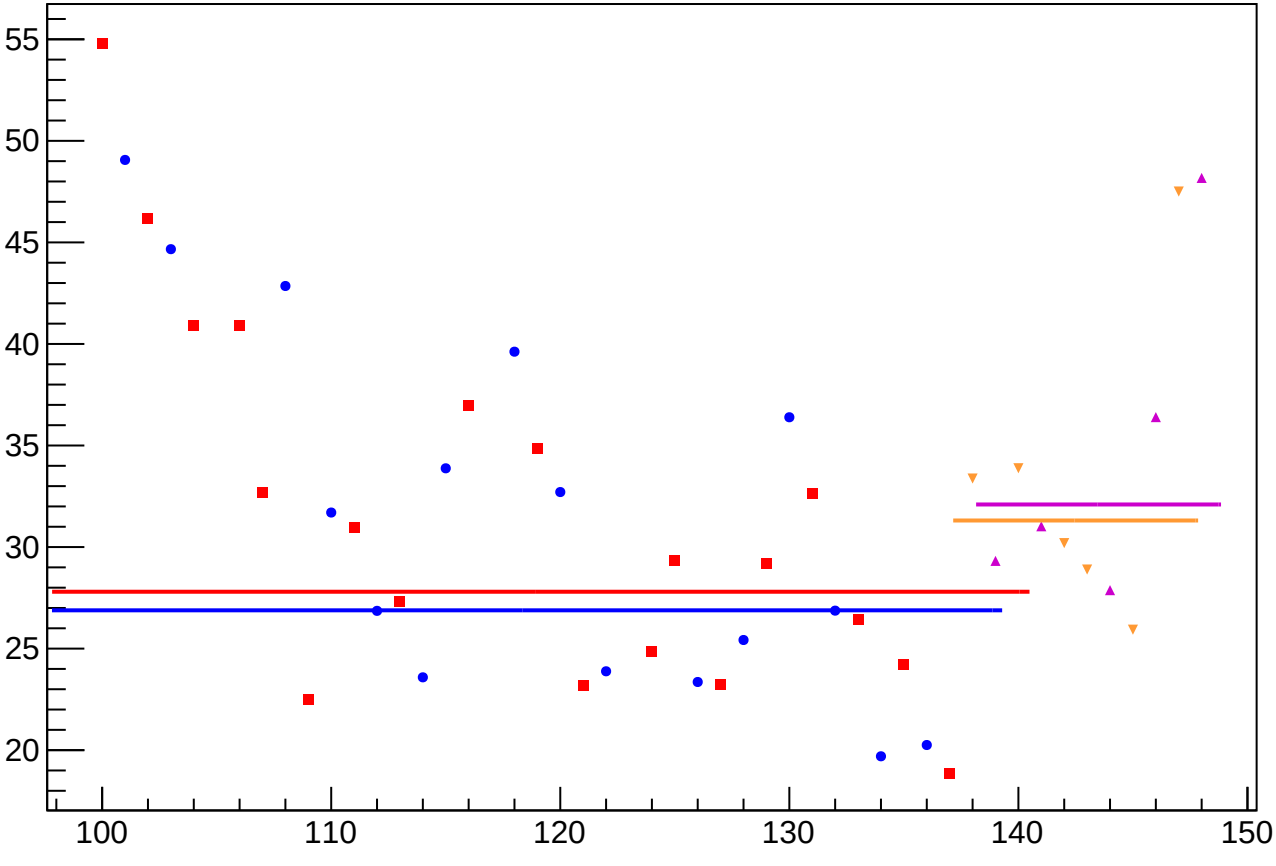
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:15.2/20

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.011+/-0.006 χ^2/NDF: 43.0/45

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: 31.308+/-0.011 χ^2/NDF:286951.5/5

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.097+/-0.011 χ^2/NDF:267127.3/4

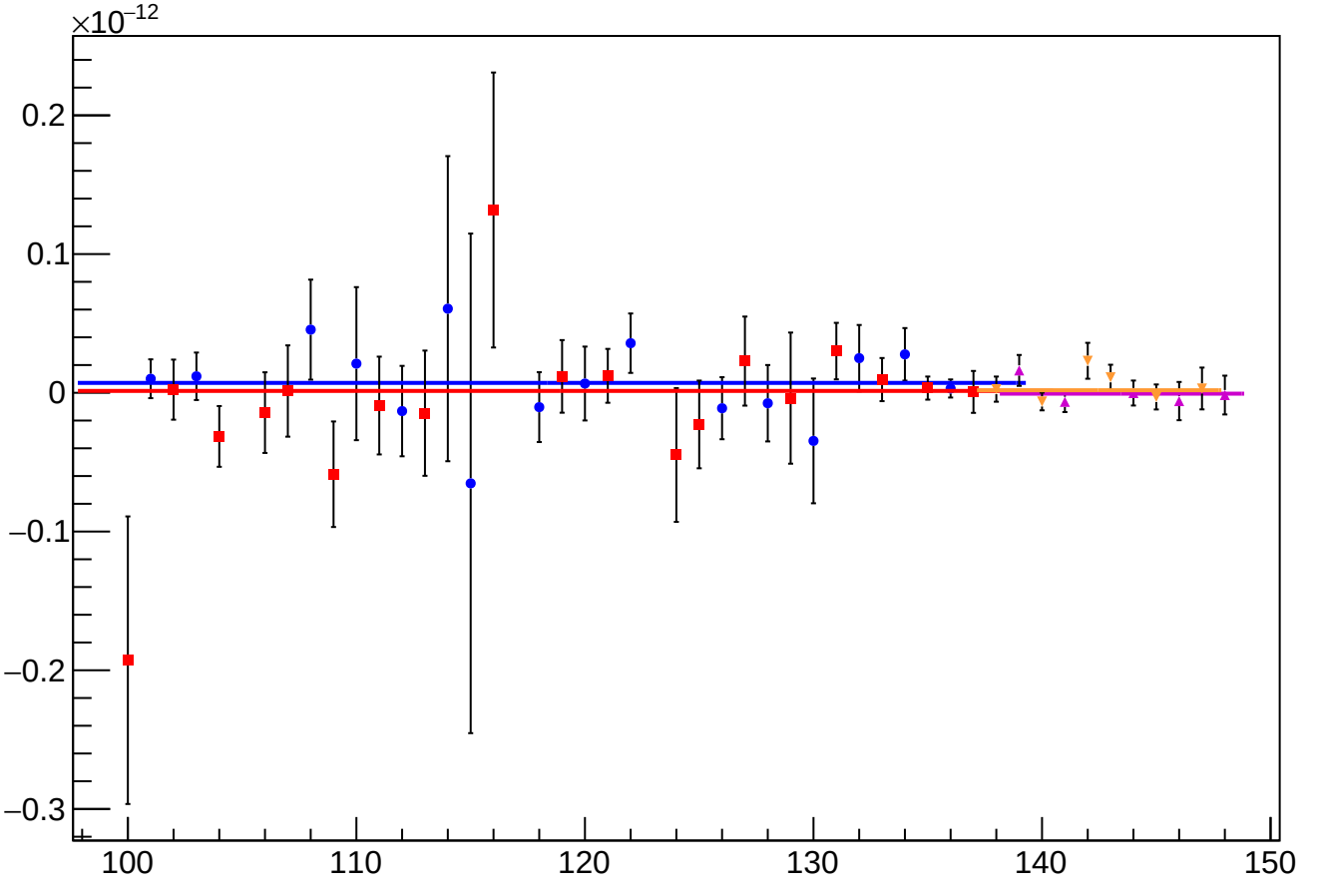
Left: 31.685+/-0.008 χ^2/NDF: 556699.5/10

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 28.491+/-0.006 χ^2/NDF:1539279.7/20

Out: 28.953+/-0.006 χ^2/NDF:1122952.6/24

All: 28.725+/-0.004 χ^2/NDF: 2665061.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

Left: 0.000+/-0.000 χ^2/NDF: 8.9/10

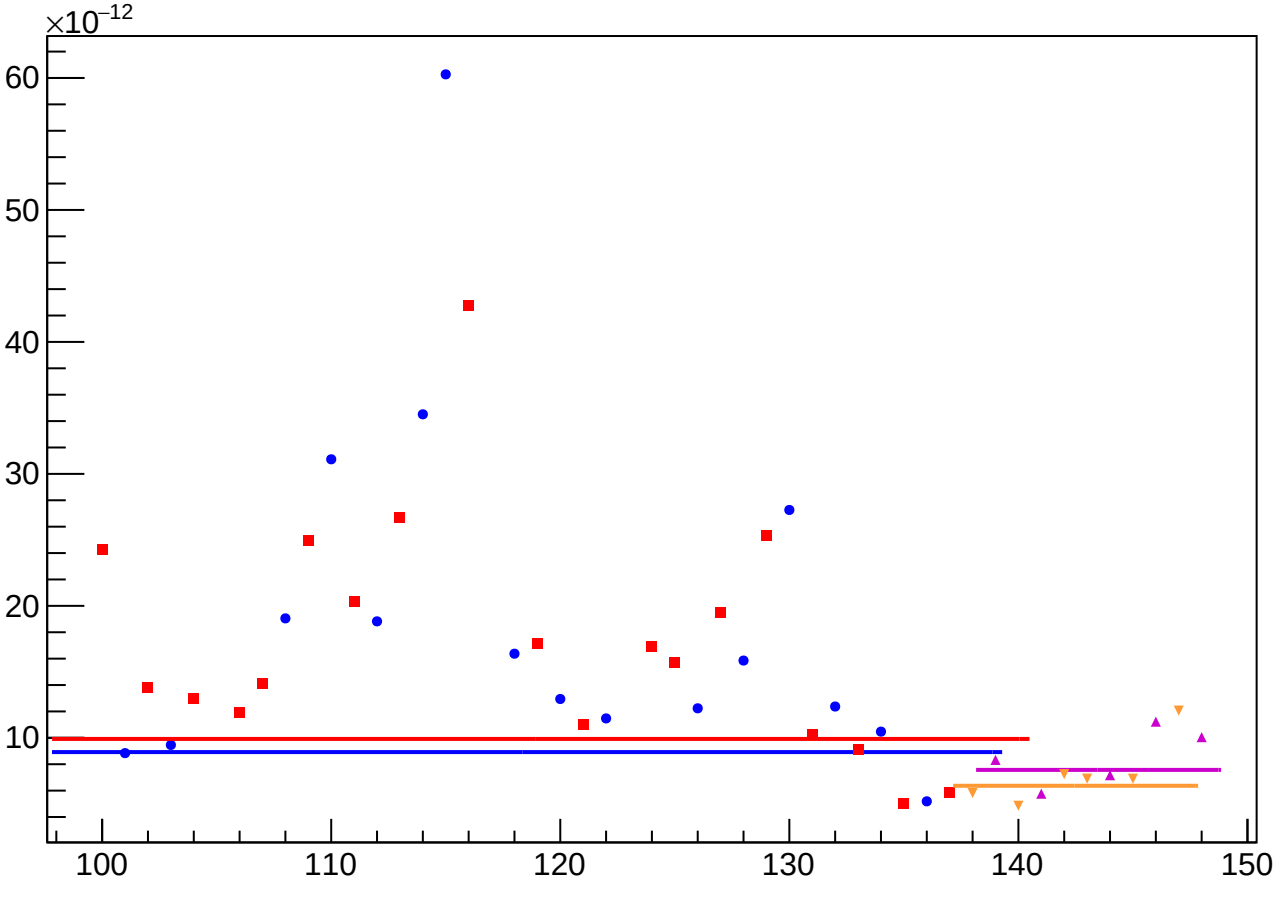
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:12.8/20

Out: 0.000+/-0.000 χ^2/NDF:20.9/24

All: 0.000+/-0.000 χ^2/NDF: 33.8/45

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:427746.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:335662.2/4

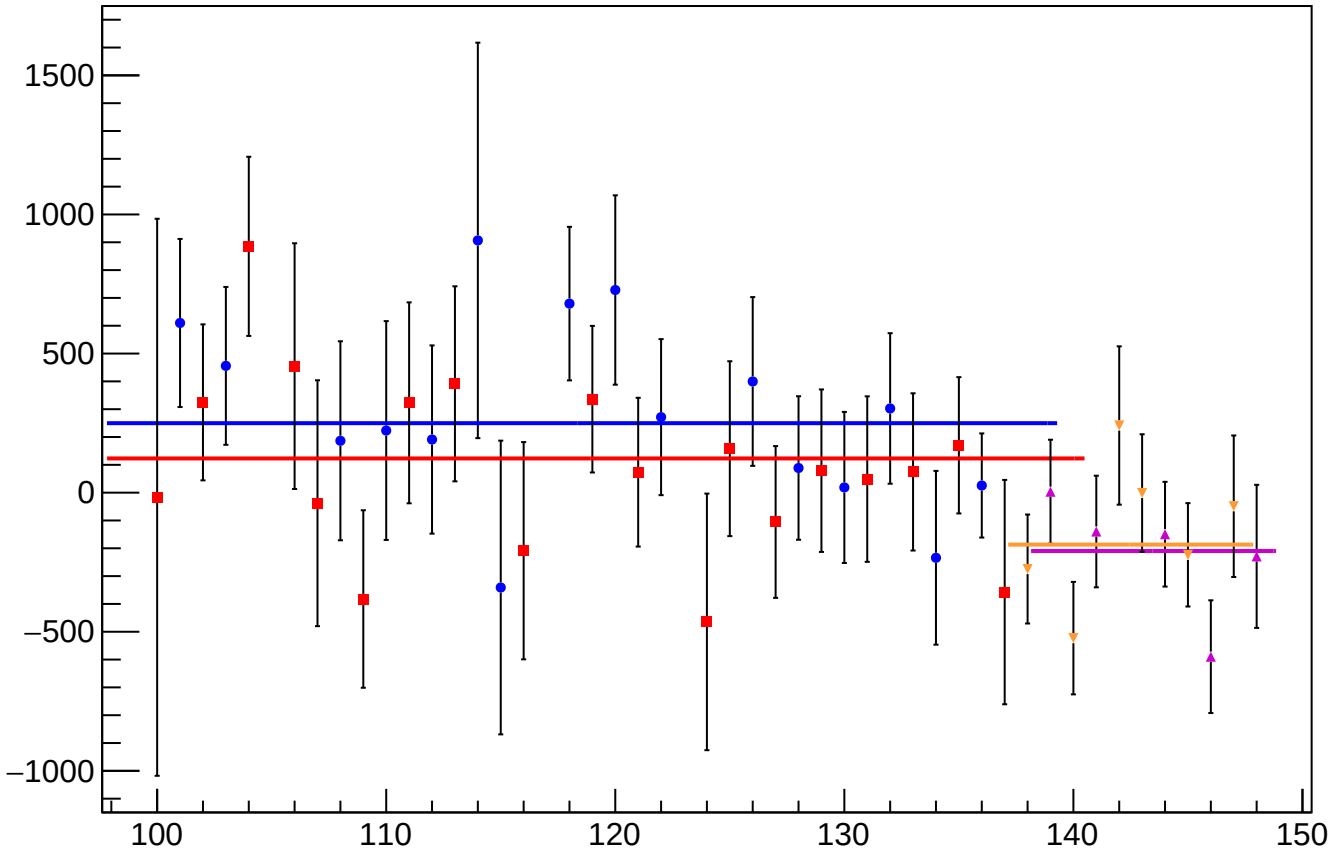
Left: 0.000+/-0.000 χ^2/NDF: 847659.0/10

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2826547.0/20

Out: 0.000+/-0.000 χ^2/NDF:3752023.1/24

All: 0.000+/-0.000 χ^2/NDF: 6613093.9/45



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.743+/-87.794 χ^2/NDF:6.3/5

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -209.723+/-90.836 χ^2/NDF:5.0/4

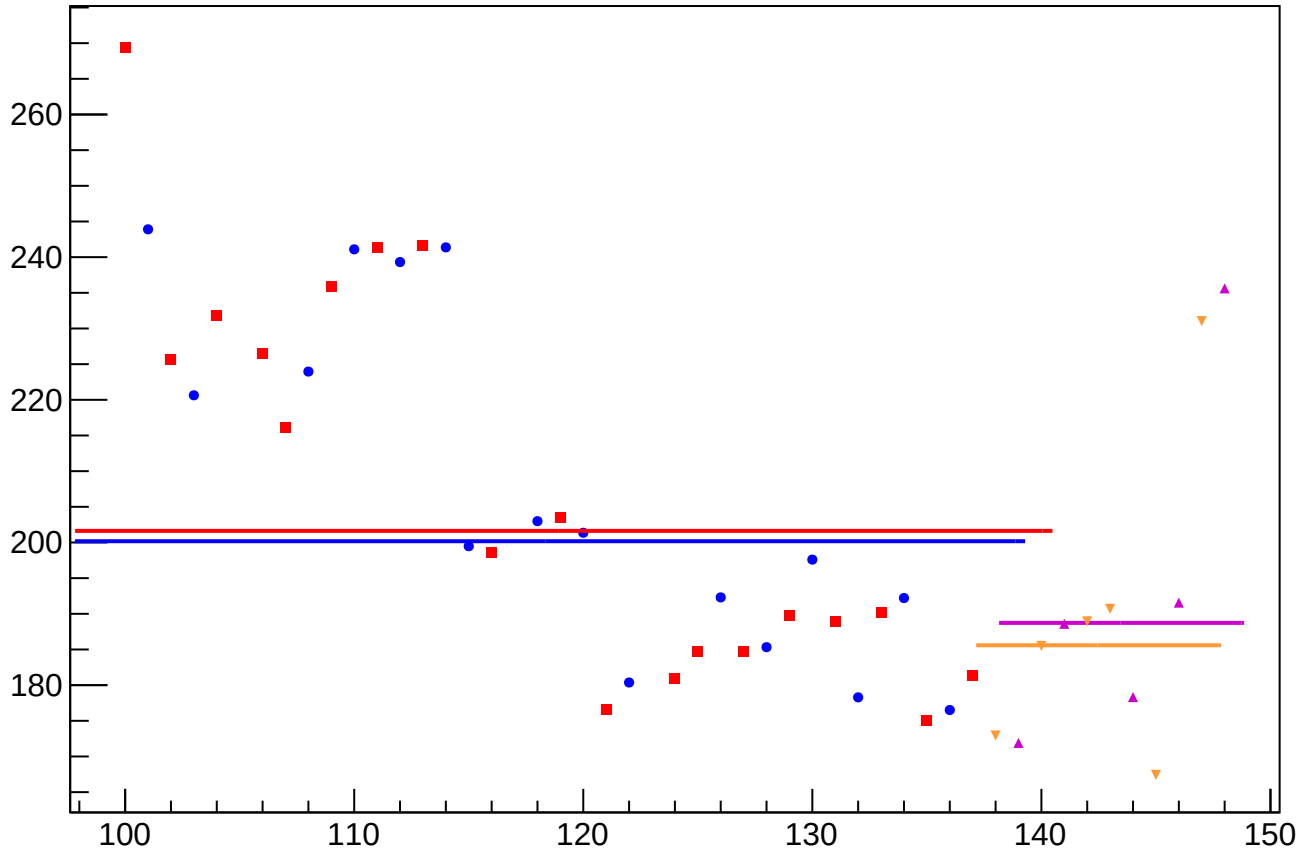
Left: -197.842+/-63.128 χ^2/NDF: 11.4/10

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 63.863+/-57.778 χ^2/NDF:34.0/20

Out: -6.409+/-56.747 χ^2/NDF:29.1/24

All: 28.094+/-40.486 χ^2/NDF: 63.9/45



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

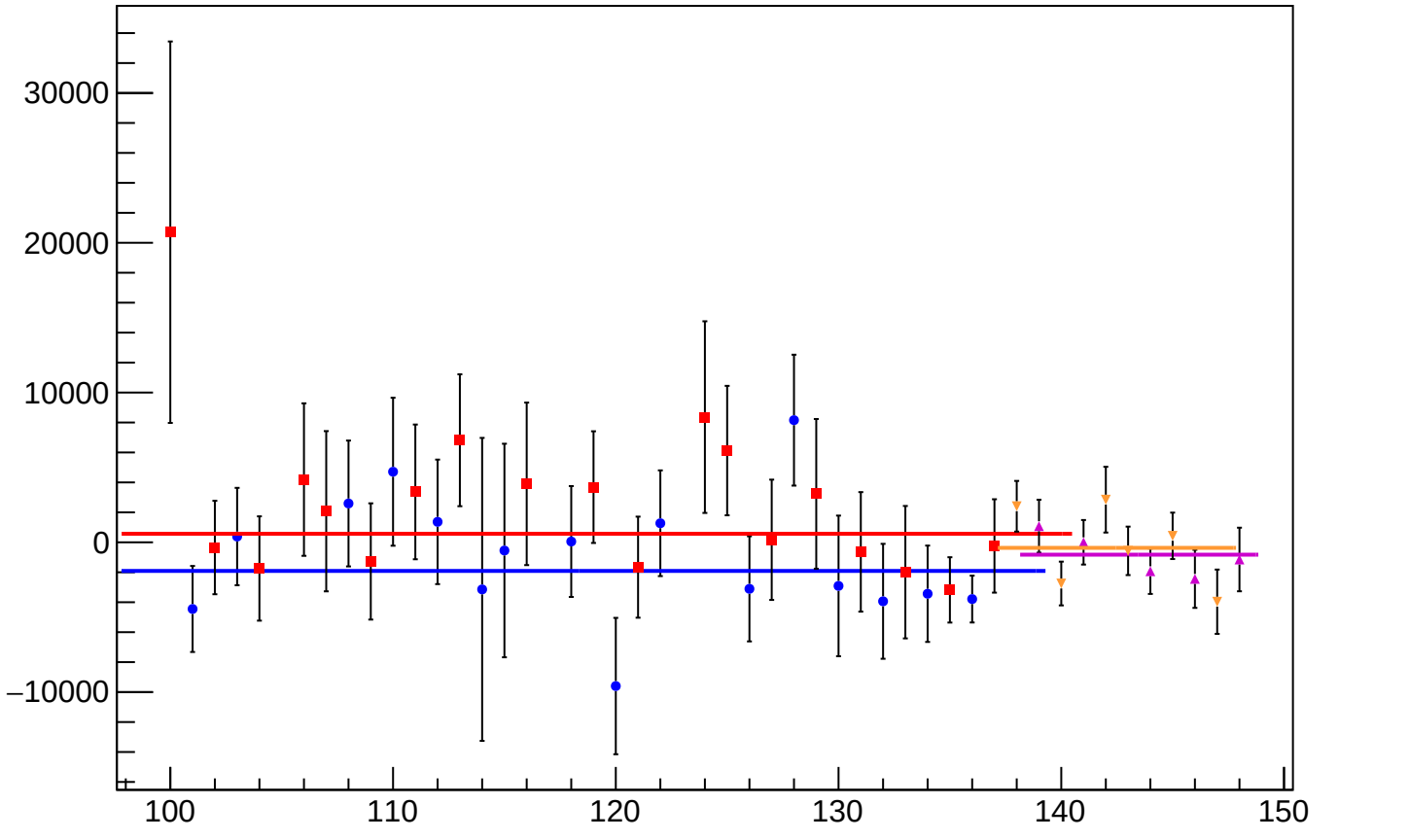
Left: 187.106+/-0.045 χ^2/NDF: 183197.8/10

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 195.545+/-0.041 χ^2/NDF:289138.4/20

Out: 194.927+/-0.040 χ^2/NDF:328840.3/24

All: 195.231+/-0.029 χ^2/NDF: 618095.1/45



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -369.682+/-699.920 χ^2/NDF:10.6/5

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -825.062+/-767.859 χ^2/NDF:2.7/4

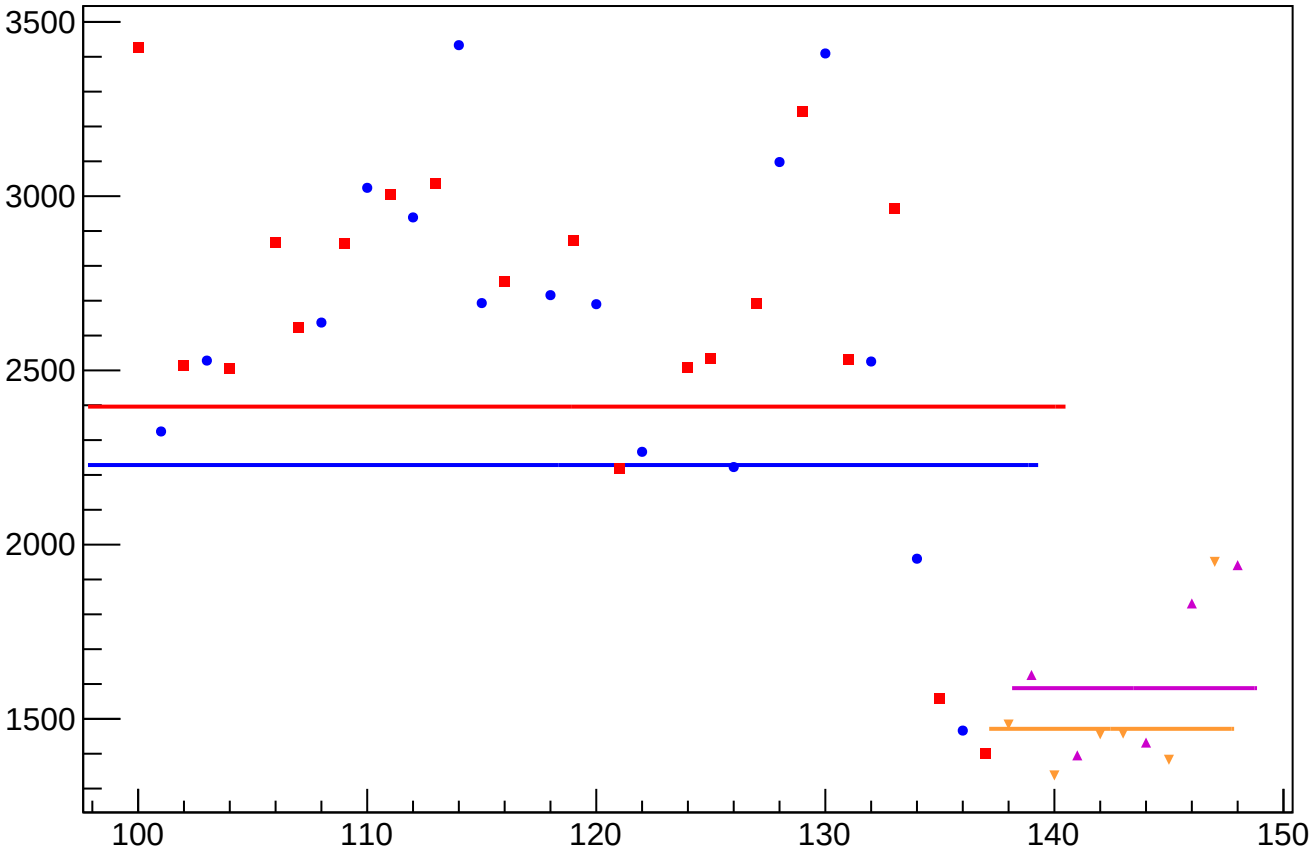
Left: -576.339+/-517.273 χ^2/NDF: 13.5/10

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1307.040+/-572.505 χ^2/NDF:19.9/20

Out: -15.409+/-552.612 χ^2/NDF:25.9/24

All: -638.395+/-397.602 χ^2/NDF: 48.4/45



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123331.9/5

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1588.157+/-0.543 χ^2/NDF:142584.0/4

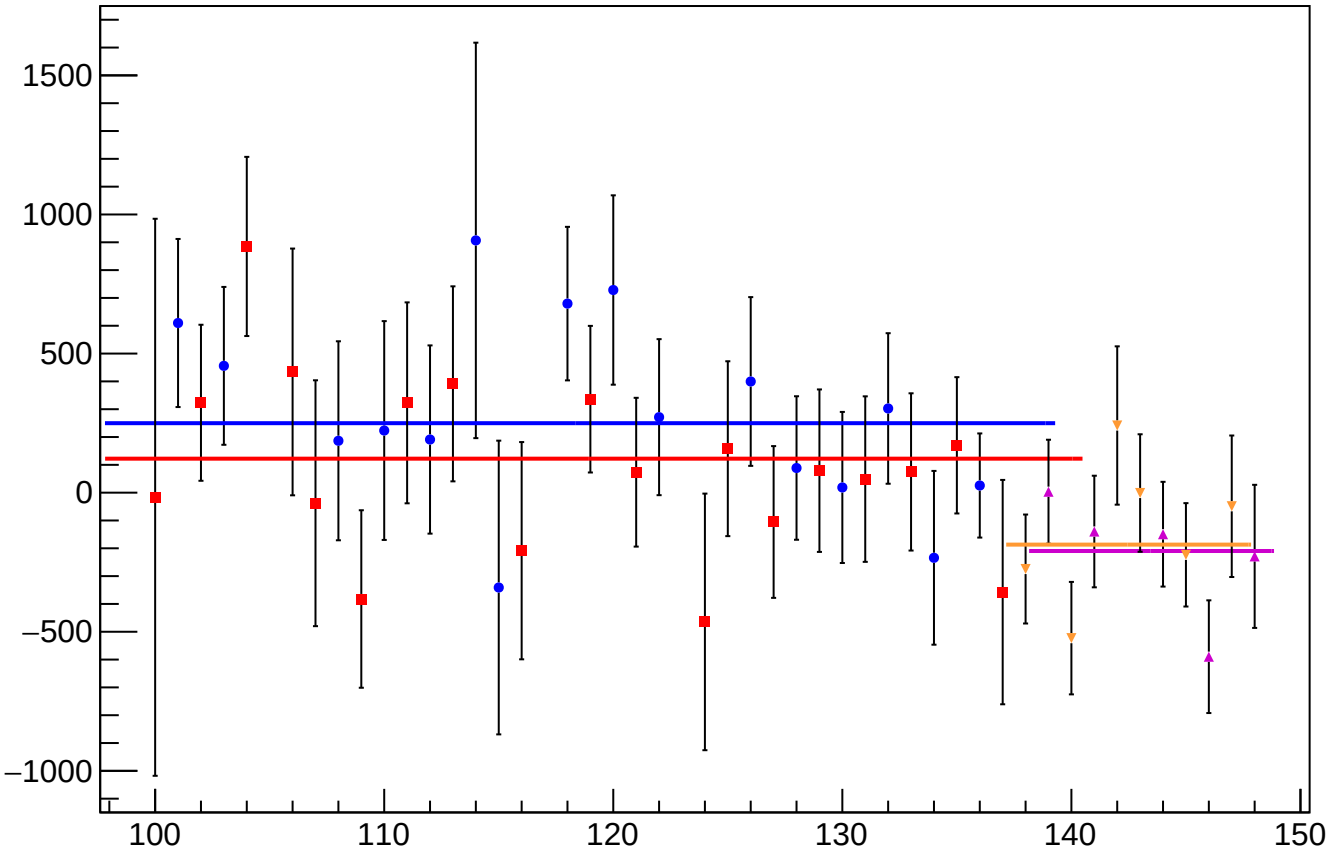
Left: 1524.414+/-0.366 χ^2/NDF: 291149.7/10

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1872.504+/-0.405 χ^2/NDF:1707803.0/20

Out: 1819.699+/-0.391 χ^2/NDF:2237350.9/24

All: 1845.168+/-0.281 χ^2/NDF: 3953962.2/45



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.752+/-87.794 χ^2/NDF:6.3/5

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -209.717+/-90.836 χ^2/NDF:5.0/4

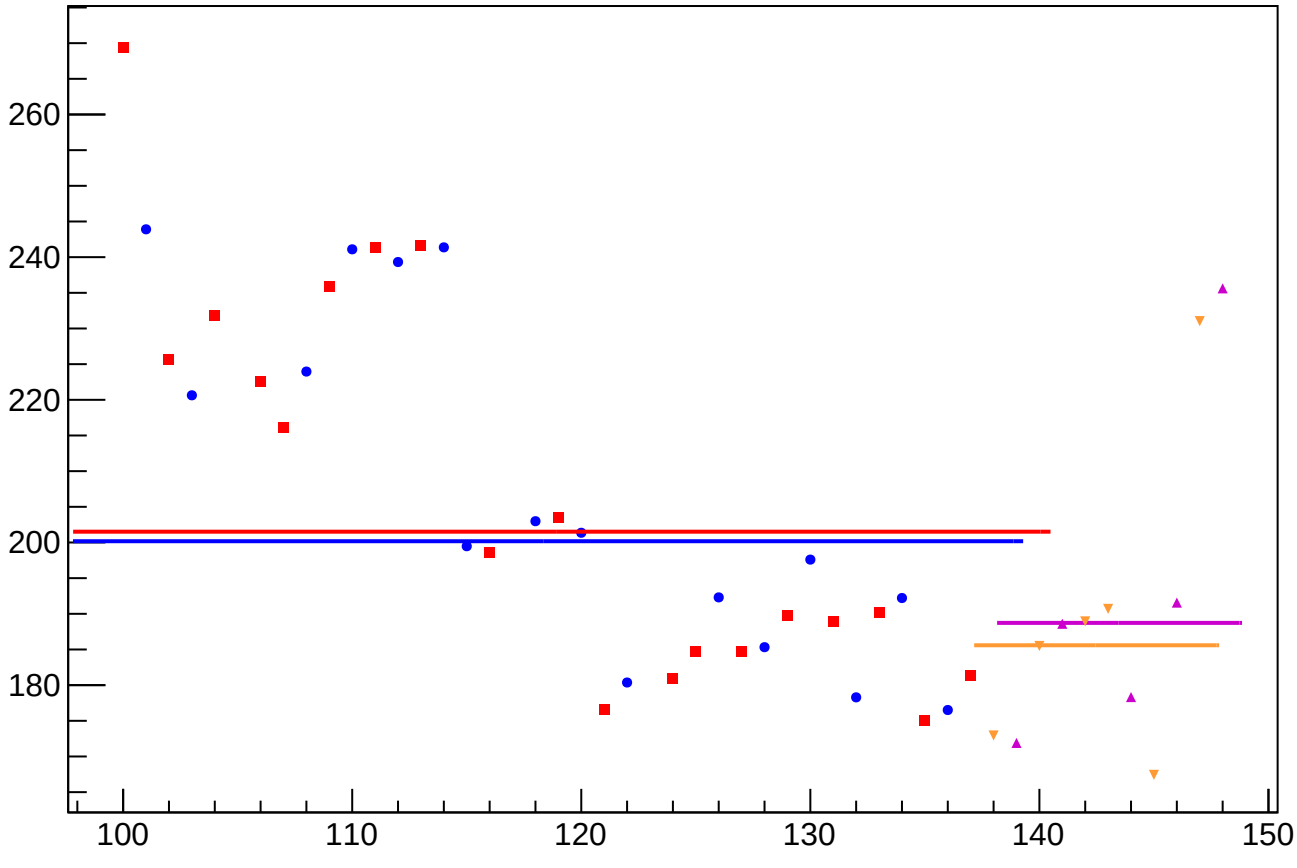
Left: -197.843+/-63.128 χ^2/NDF: 11.4/10

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 63.867+/-57.778 χ^2/NDF:34.0/20

Out: -6.890+/-56.751 χ^2/NDF:29.0/24

All: 27.854+/-40.487 χ^2/NDF: 63.8/45



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

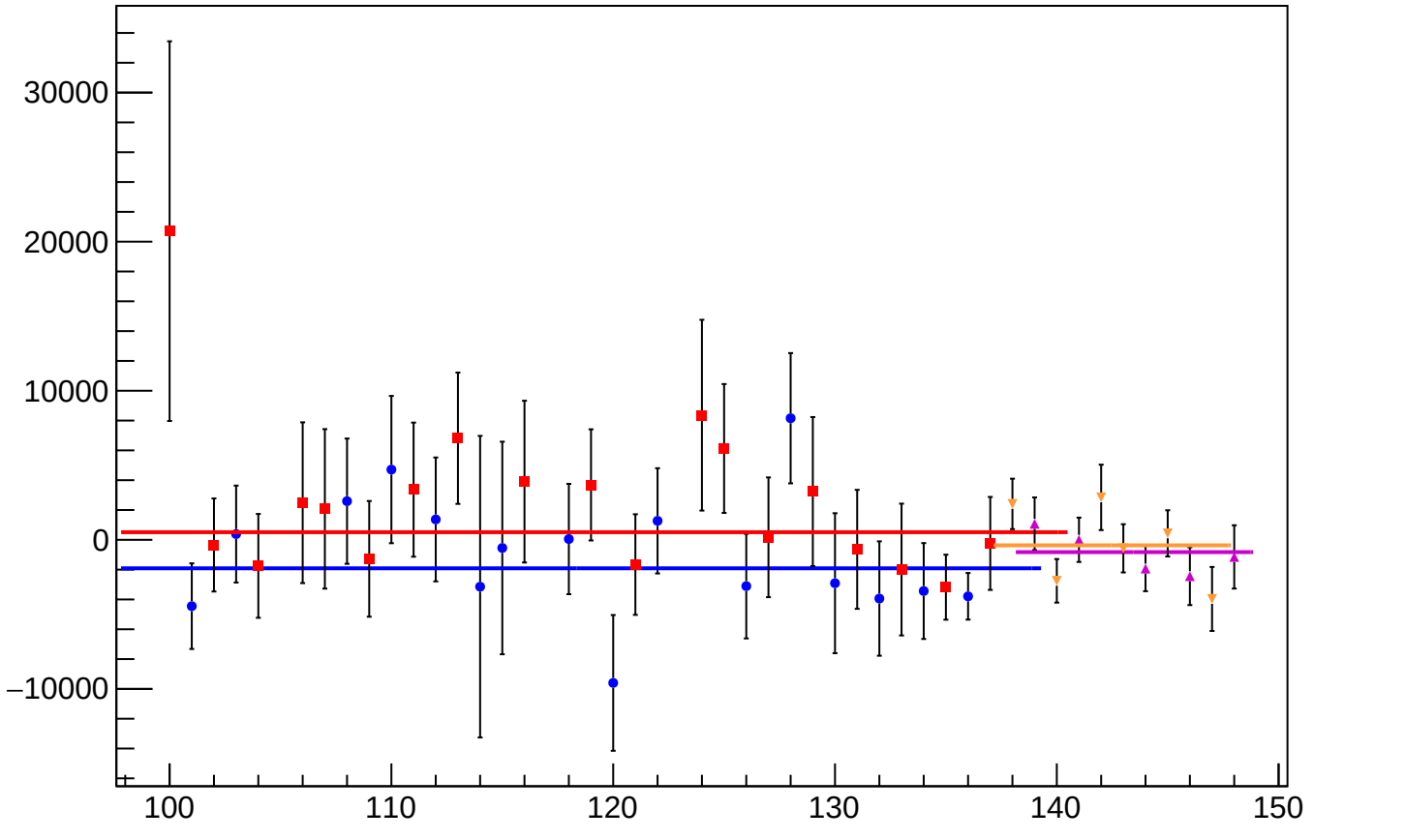
Left: 187.106+/-0.045 χ^2/NDF: 183197.8/10

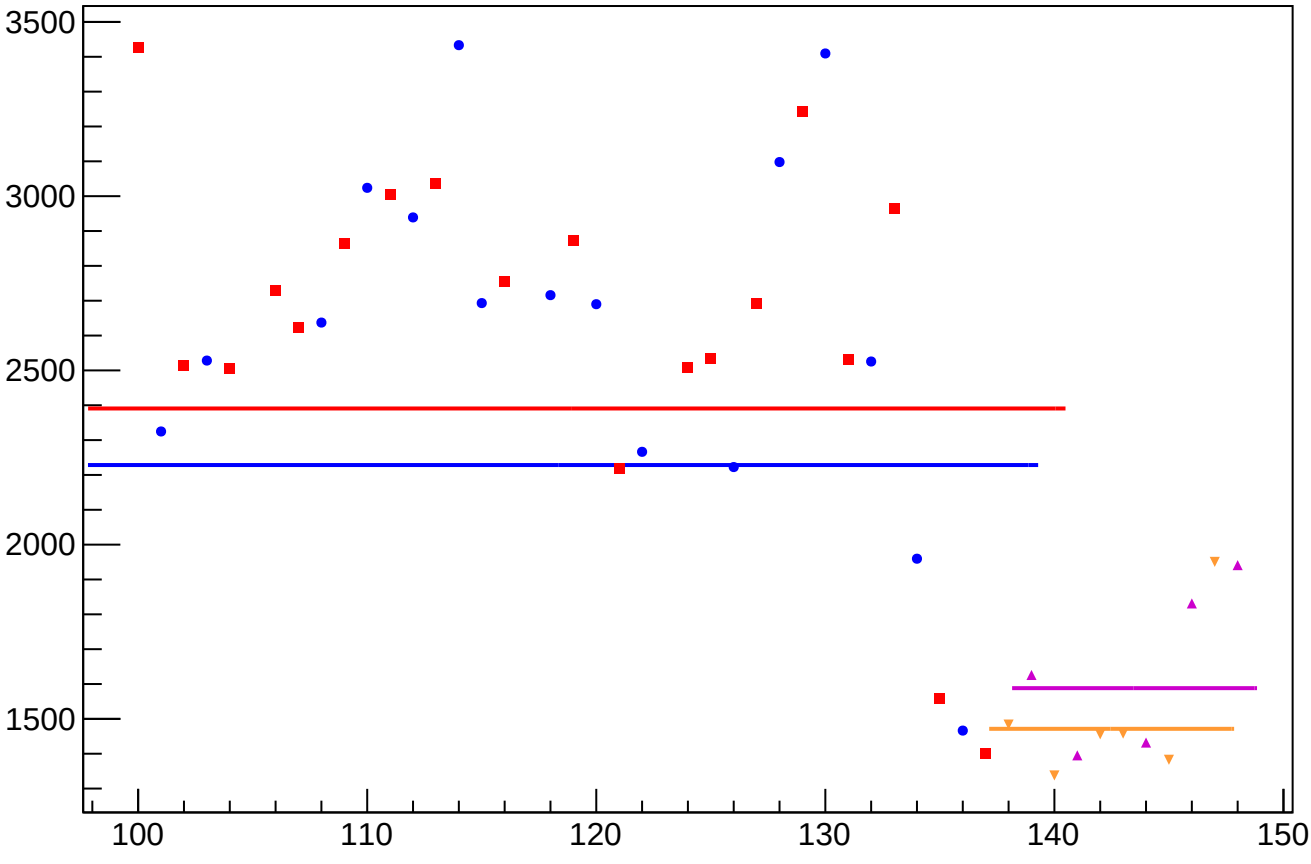
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.545+/-0.041 χ^2/NDF:289138.7/20

Out: 194.861+/-0.040 χ^2/NDF:326476.9/24

All: 195.197+/-0.029 χ^2/NDF: 615758.5/45


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -369.692+/-699.920 χ²/NDF:10.6/5
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -825.033+/-767.859 χ²/NDF:2.7/4
Left: -576.331+/-517.273 χ²/NDF: 13.5/10
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -1307.006+/-572.505 χ²/NDF:19.9/20
Out: -38.606+/-552.972 χ²/NDF:25.4/24
All: -650.800+/-397.737 χ²/NDF: 47.8/45



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123332.4/5

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

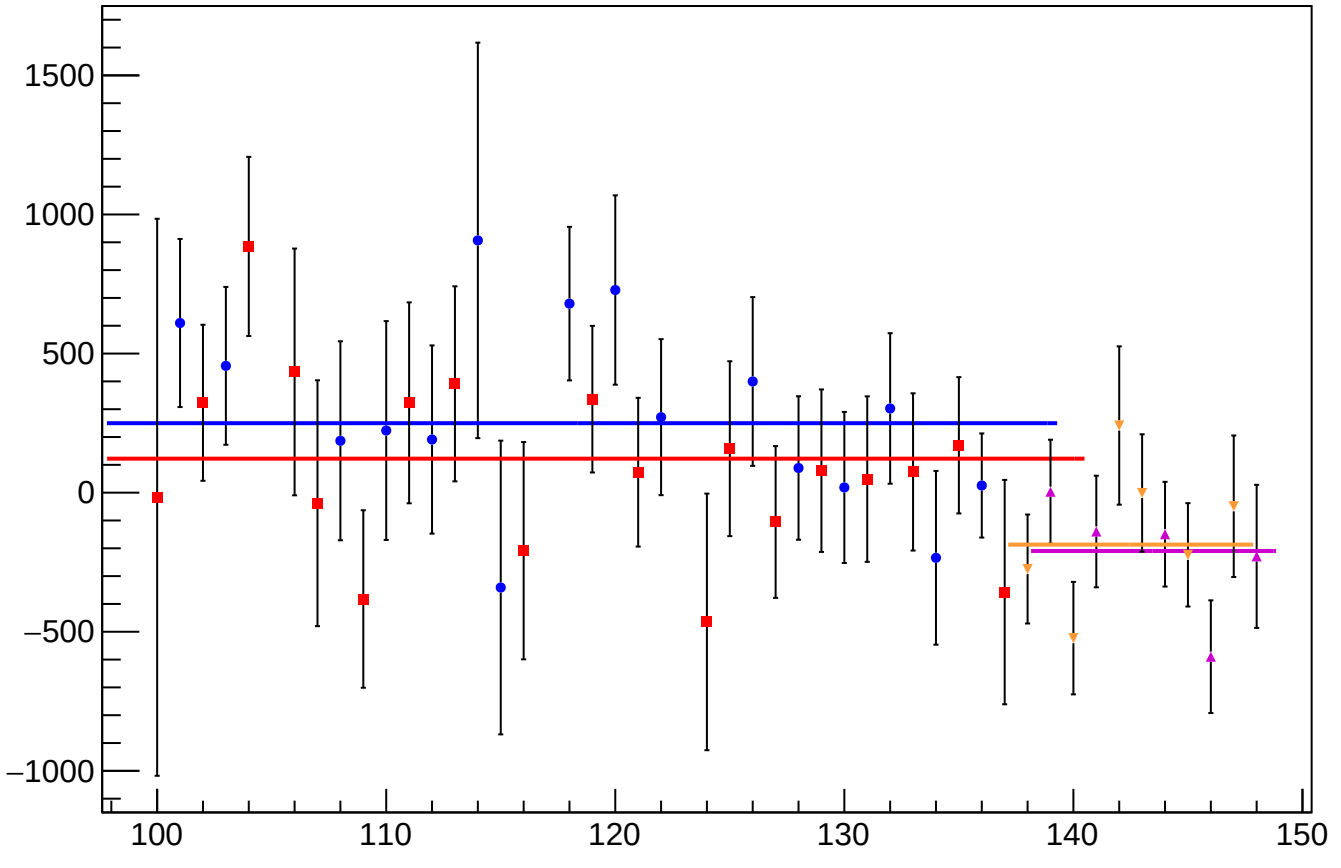
Left: 1524.414+/-0.366 χ^2/NDF: 291150.8/10

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1872.505+/-0.405 χ^2/NDF:1707813.5/20

Out: 1816.936+/-0.391 χ^2/NDF:2209940.5/24

All: 1843.756+/-0.281 χ^2/NDF: 3927502.3/45



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.752+/-87.794 χ^2/NDF:6.3/5

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -209.717+/-90.836 χ^2/NDF:5.0/4

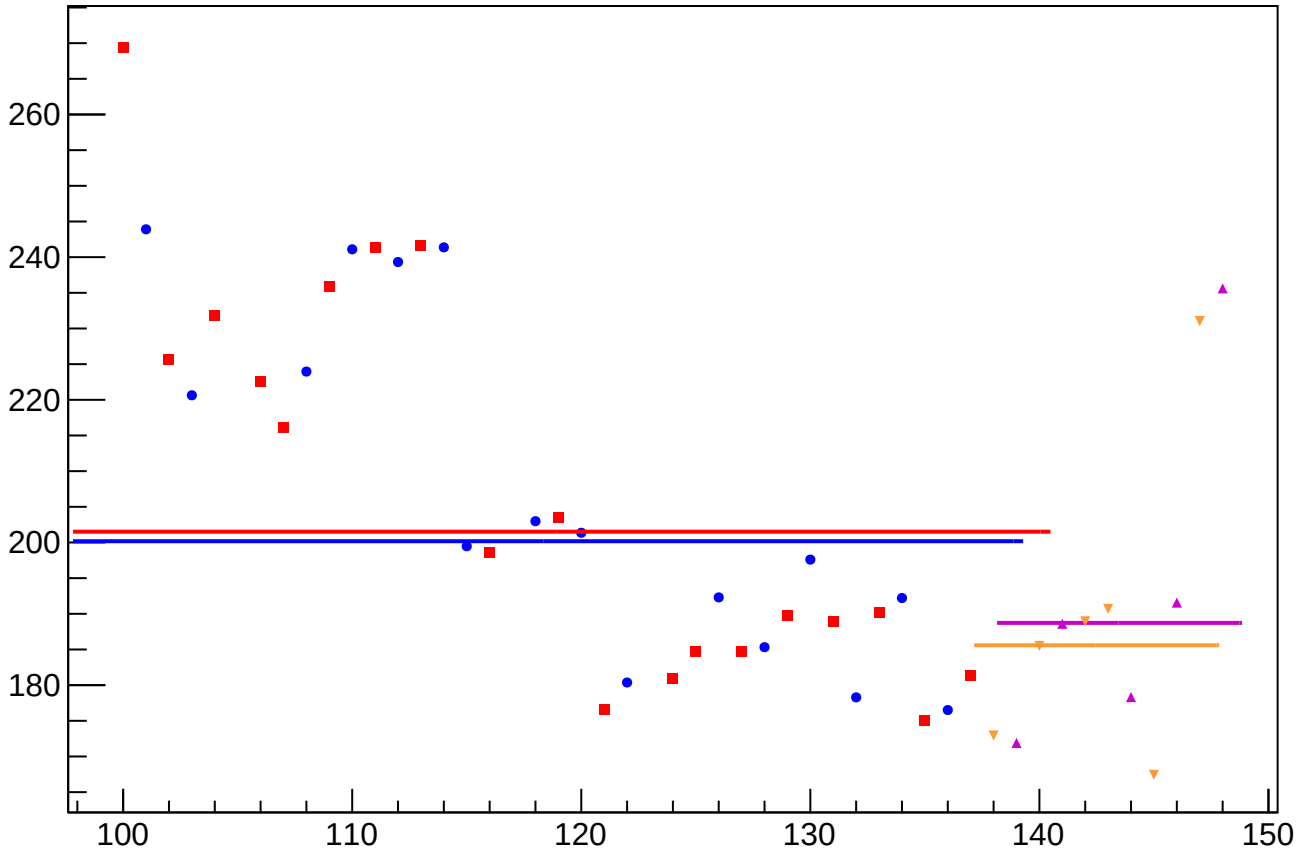
Left: -197.843+/-63.128 χ^2/NDF: 11.4/10

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 63.867+/-57.778 χ^2/NDF:34.0/20

Out: -6.890+/-56.751 χ^2/NDF:29.0/24

All: 27.854+/-40.487 χ^2/NDF: 63.8/45



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

Left: 187.106+/-0.045 χ^2/NDF: 183197.8/10

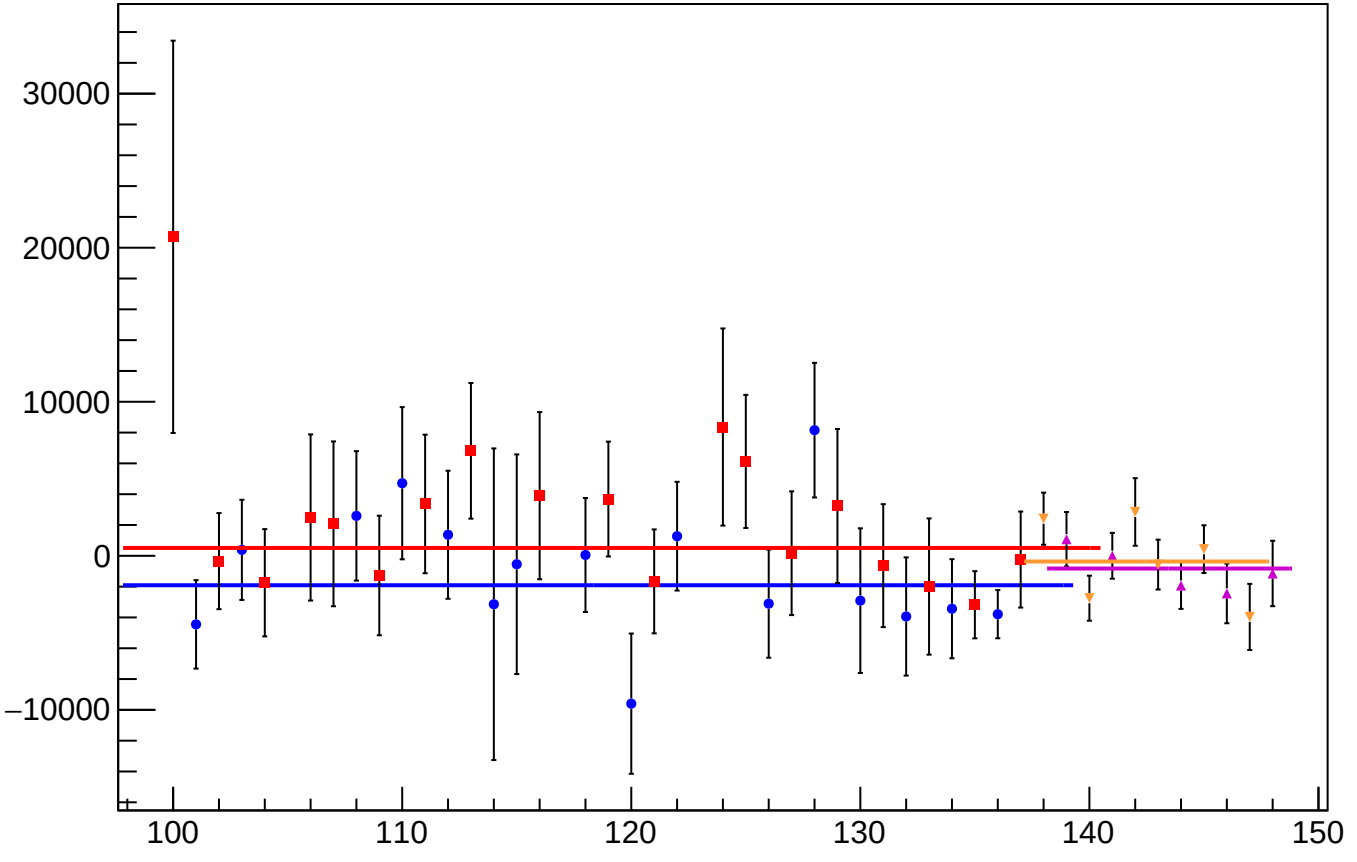
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.545+/-0.041 χ^2/NDF:289138.7/20

Out: 194.861+/-0.040 χ^2/NDF:326476.9/24

All: 195.197+/-0.029 χ^2/NDF: 615758.5/45

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -369.692+/-699.920 χ^2/NDF:10.6/5

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -825.033+/-767.859 χ^2/NDF:2.7/4

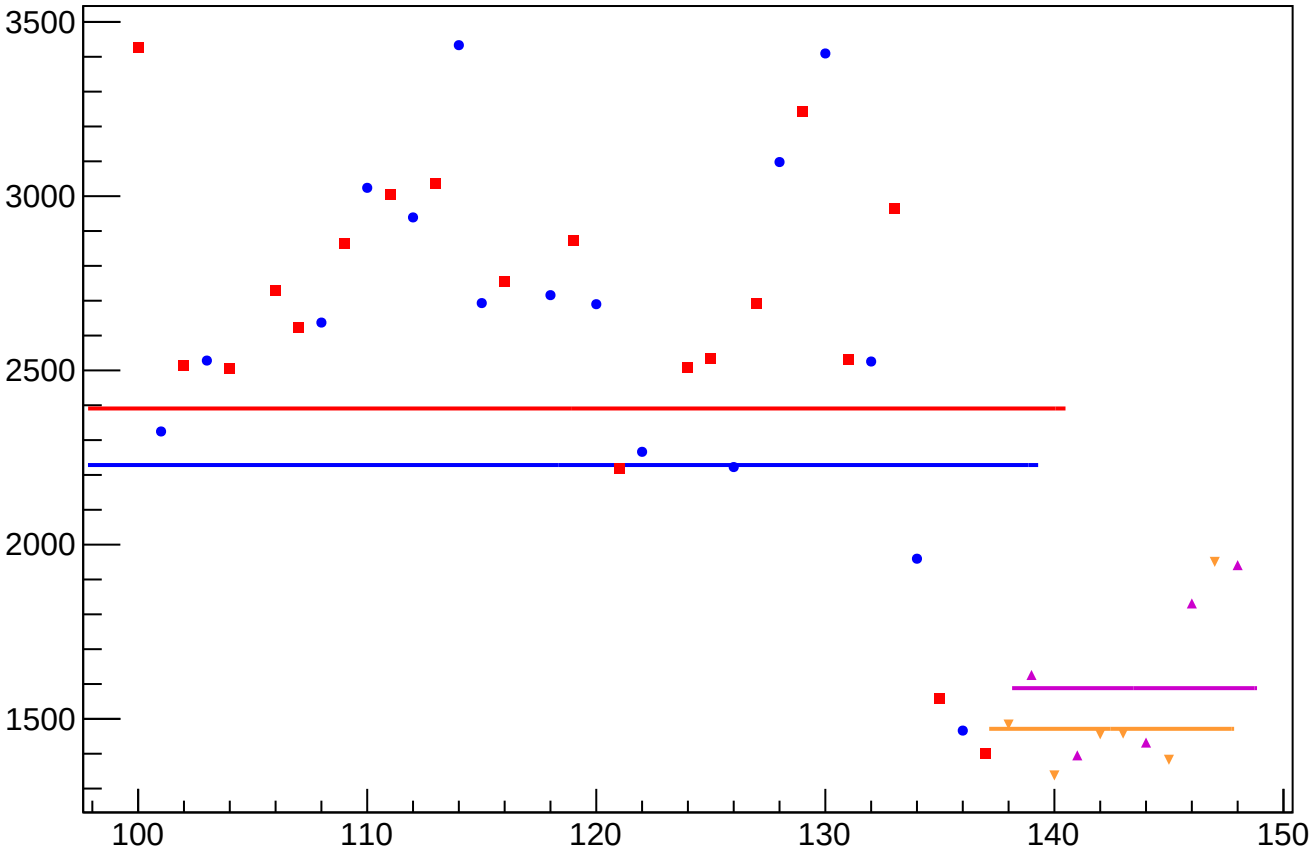
Left: -576.331+/-517.273 χ^2/NDF: 13.5/10

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1307.006+/-572.505 χ^2/NDF:19.9/20

Out: -38.606+/-552.972 χ^2/NDF:25.4/24

All: -650.800+/-397.737 χ^2/NDF: 47.8/45



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123332.4/5

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

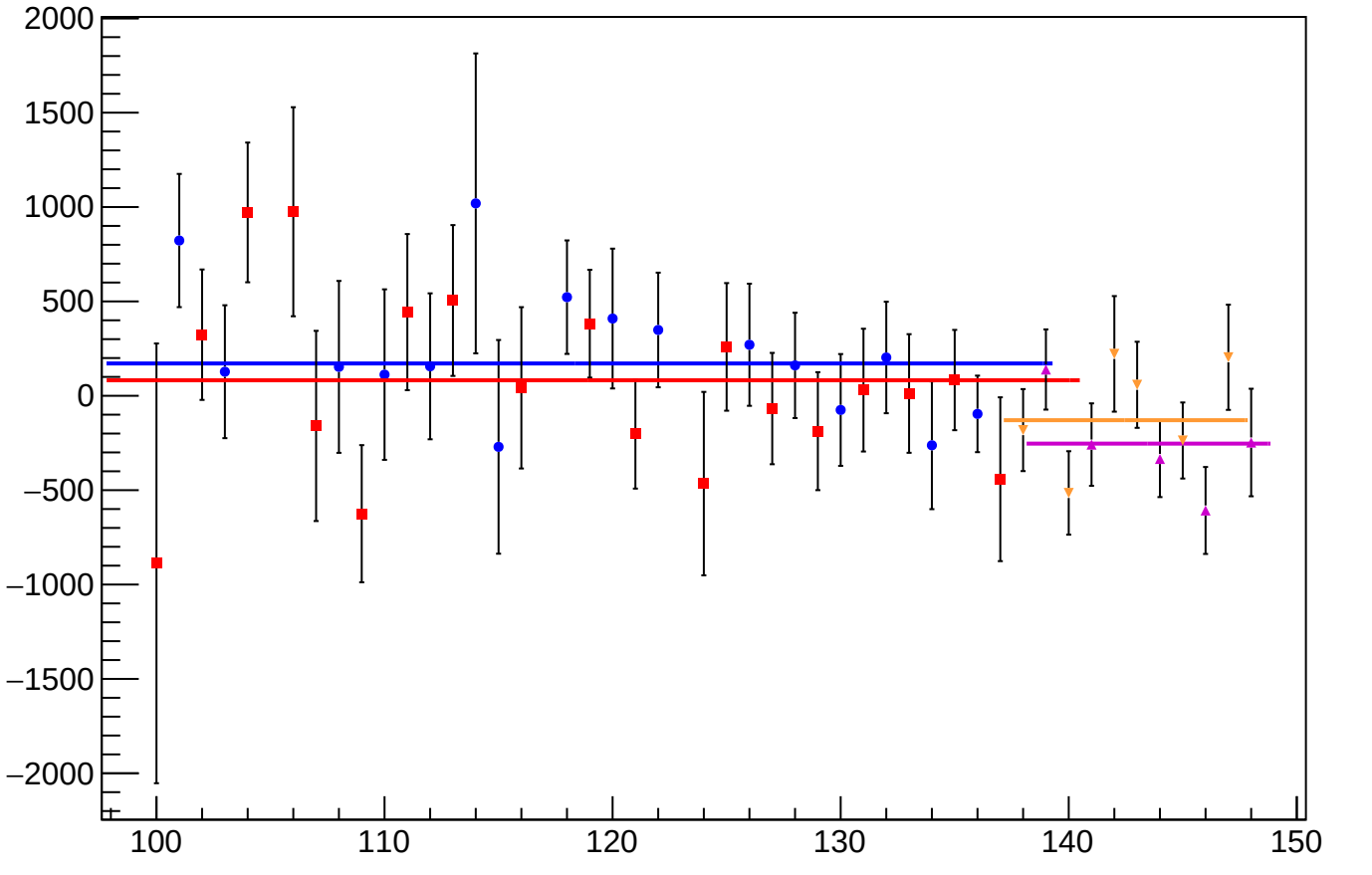
Left: 1524.414+/-0.366 χ^2/NDF: 291150.8/10

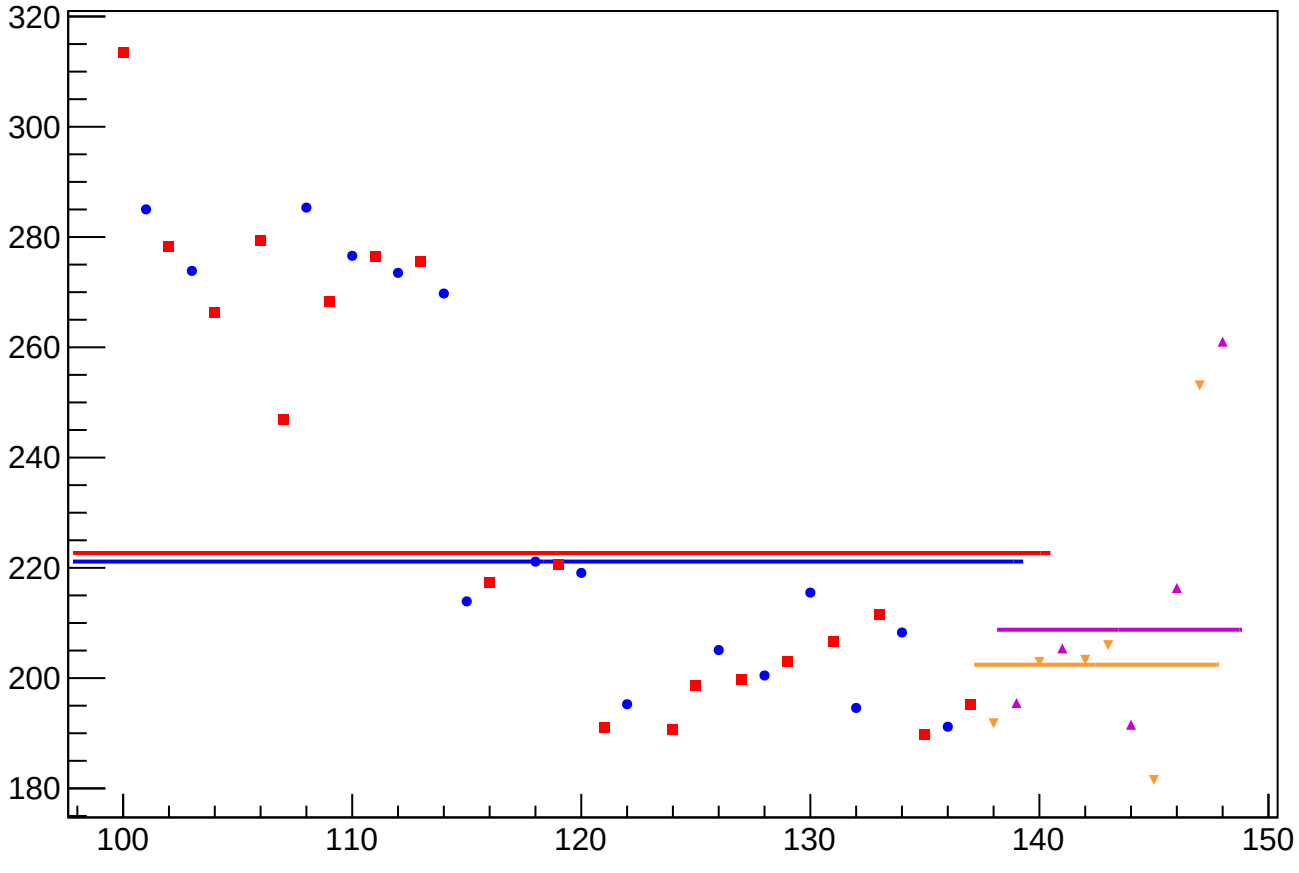
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1872.505+/-0.405 χ^2/NDF:1707813.5/20

Out: 1816.936+/-0.391 χ^2/NDF:2209940.5/24

All: 1843.756+/-0.281 χ^2/NDF: 3927502.3/45


dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
Right In: 171.258+/-83.116 χ²/NDF: 11.5/15
Left Out: -129.298+/-95.759 χ²/NDF:6.8/5
Right Out: 82.152+/-82.545 χ²/NDF: 21.6/18
Left In: -253.397+/-100.637 χ²/NDF:5.9/4
Left: -188.267+/-69.372 χ²/NDF: 13.5/10
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -0.942+/-64.085 χ²/NDF:28.0/20
Out: -7.988+/-62.522 χ²/NDF:31.2/24
All: -4.552+/-44.752 χ²/NDF: 59.2/45



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 202.430+/-0.068 χ^2/NDF:92941.4/5

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 208.777+/-0.071 χ^2/NDF:92270.3/4

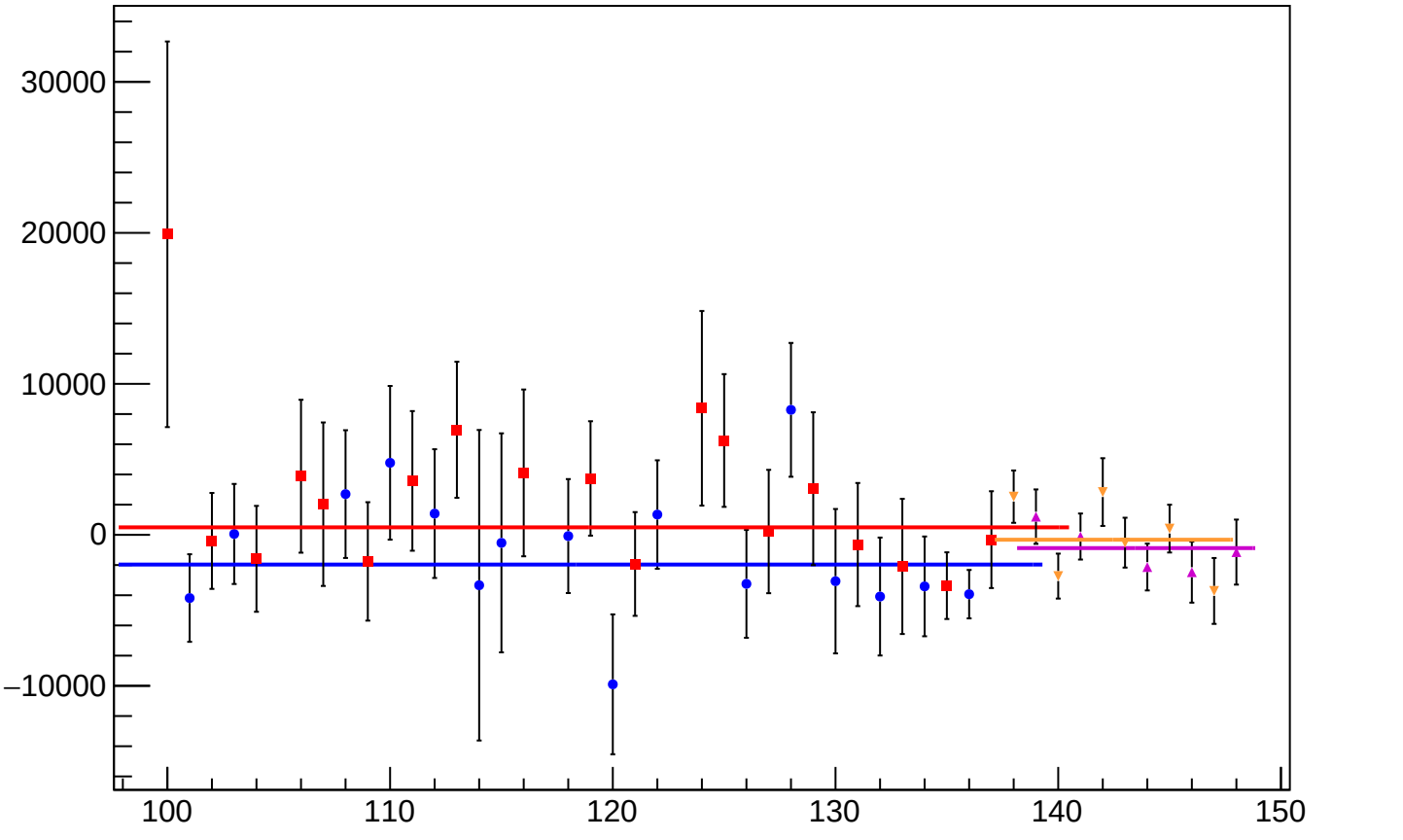
Left: 205.446+/-0.049 χ^2/NDF: 189387.6/10

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 216.126+/-0.045 χ^2/NDF:428912.5/20

Out: 214.057+/-0.044 χ^2/NDF:471374.2/24

All: 215.066+/-0.032 χ^2/NDF: 901354.7/45



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -323.184+/-714.402 χ^2/NDF:10.0/5

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -877.343+/-786.684 χ^2/NDF:2.9/4

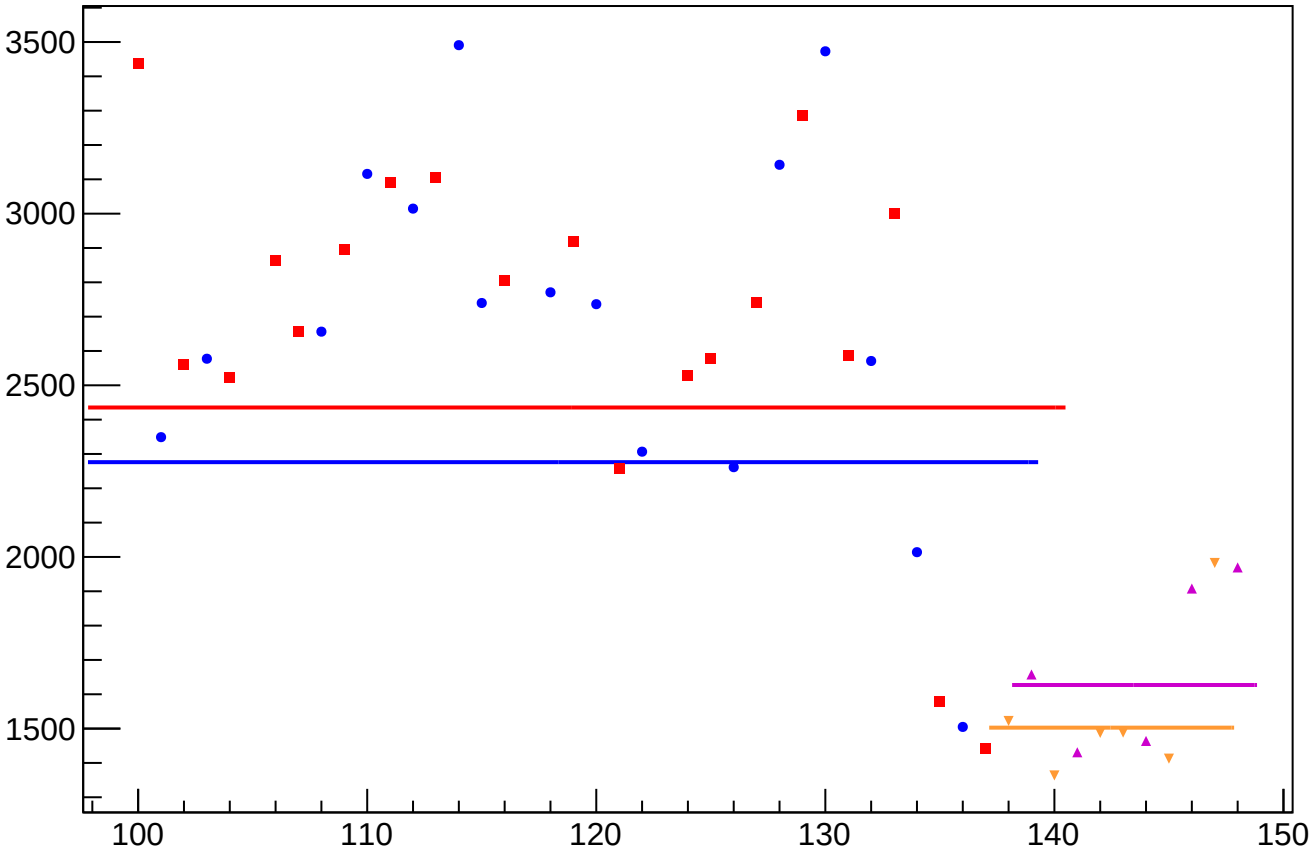
Left: -573.641+/-528.871 χ^2/NDF: 13.1/10

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1363.616+/-585.489 χ^2/NDF:19.9/20

Out: -12.350+/-563.042 χ^2/NDF:25.2/24

All: -661.584+/-405.834 χ^2/NDF: 47.9/45



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1502.758+/-0.505 χ^2/NDF:121209.8/5

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1627.003+/-0.556 χ^2/NDF:145063.7/4

Left: 1558.911+/-0.374 χ^2/NDF: 293614.0/10

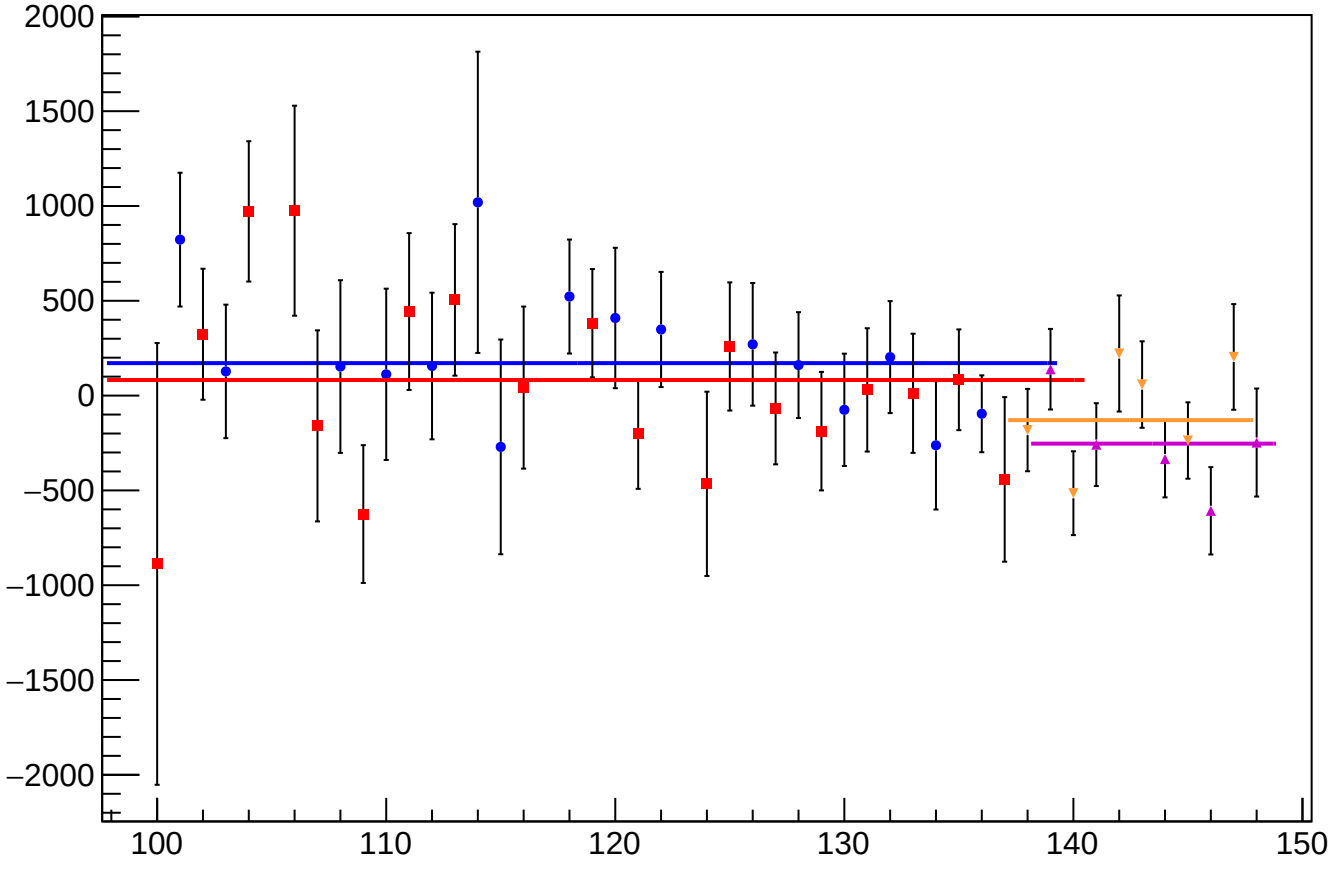
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1916.576+/-0.414 χ^2/NDF:1679508.7/20

Out: 1856.072+/-0.398 χ^2/NDF:2203946.1/24

All: 1885.142+/-0.287 χ^2/NDF: 3894550.9/45

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -129.303+/-95.759 χ^2/NDF:6.8/5

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -253.397+/-100.637 χ^2/NDF:5.9/4

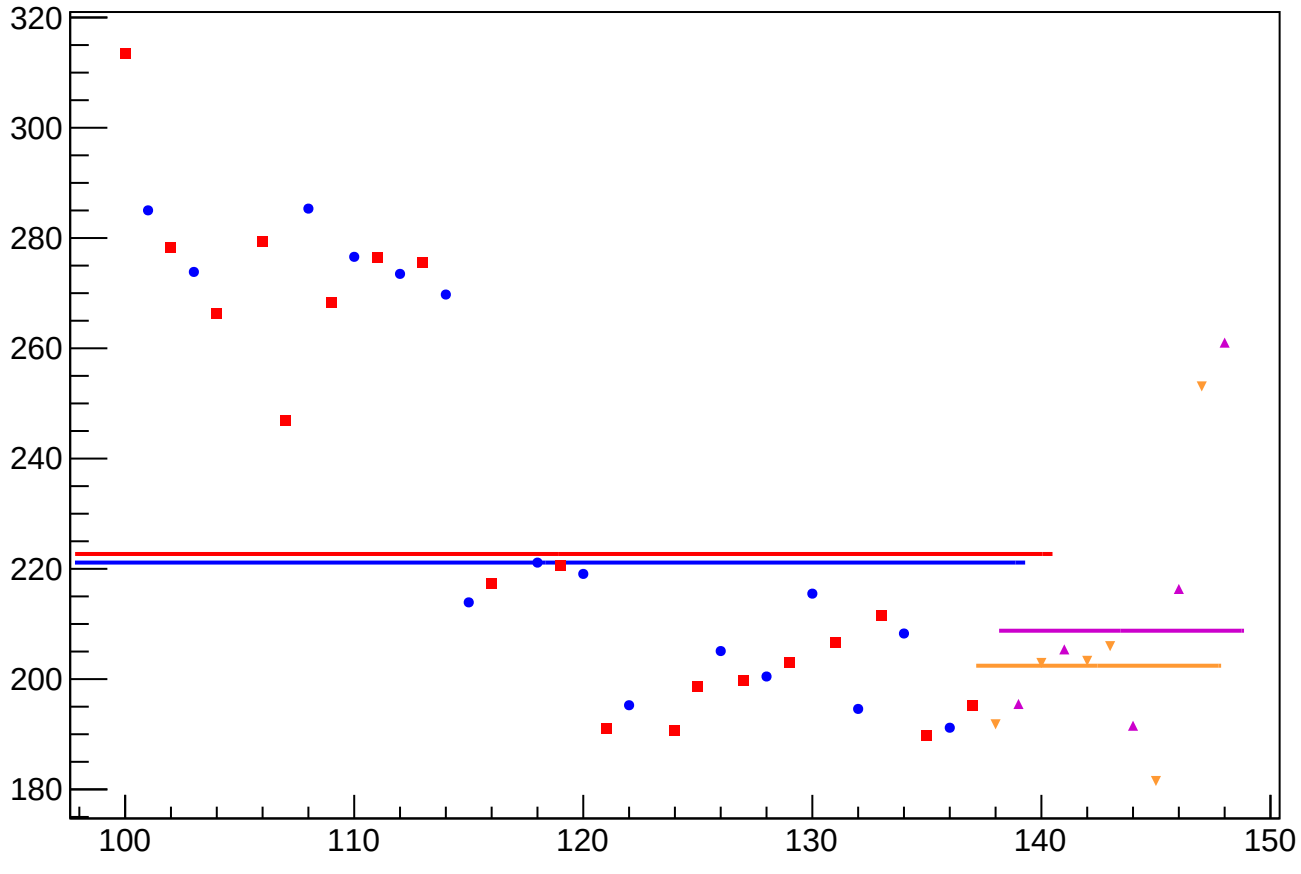
Left: -188.270+/-69.372 χ^2/NDF: 13.5/10

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -0.940+/-64.085 χ^2/NDF:28.0/20

Out: -7.991+/-62.522 χ^2/NDF:31.2/24

All: -4.553+/-44.752 χ^2/NDF: 59.2/45



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 202.429+/-0.068 χ^2/NDF:92943.4/5

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 208.777+/-0.071 χ^2/NDF:92271.1/4

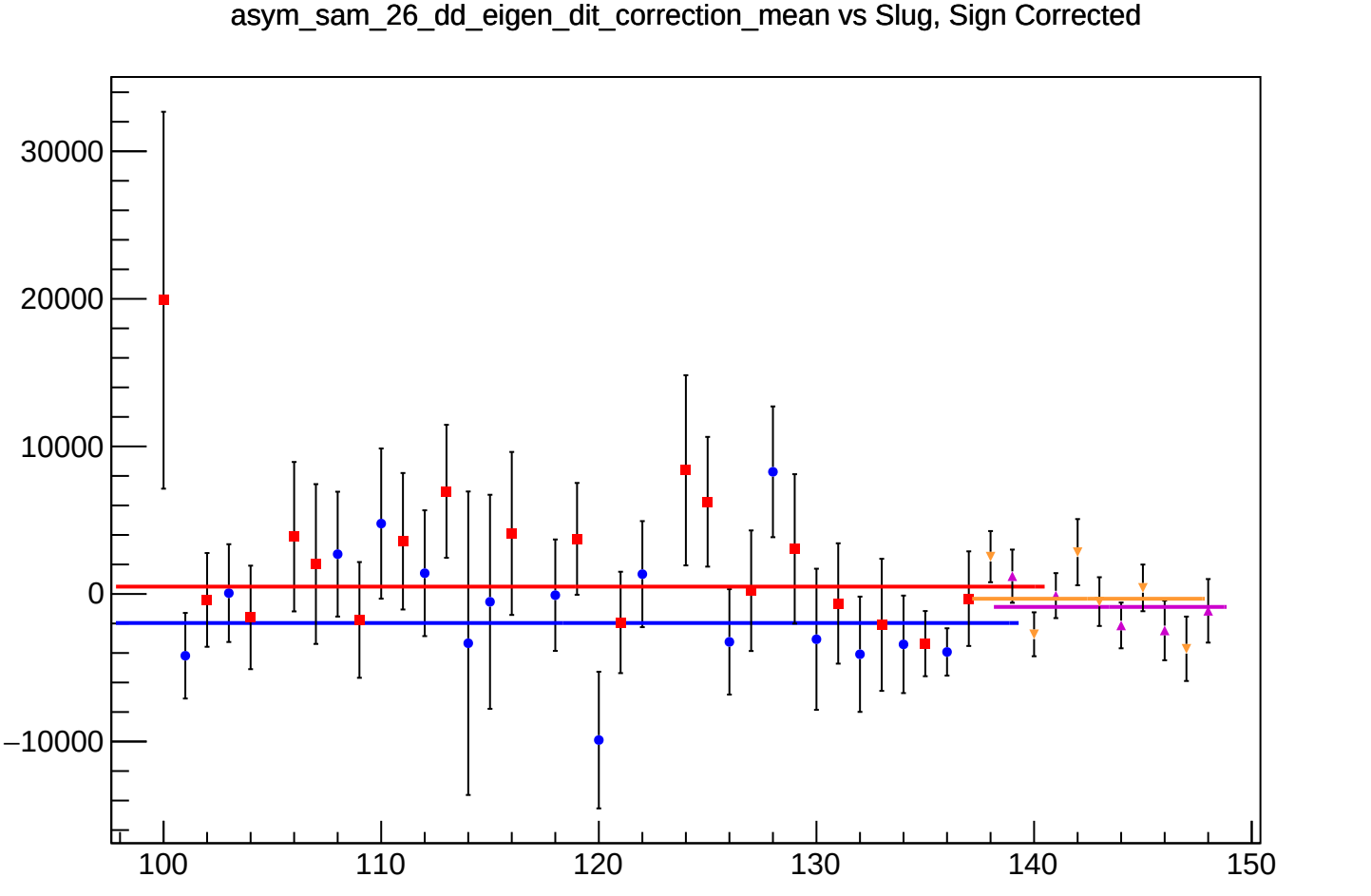
Left: 205.446+/-0.049 χ^2/NDF: 189390.3/10

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 216.125+/-0.045 χ^2/NDF:428905.7/20

Out: 214.057+/-0.044 χ^2/NDF:471366.5/24

All: 215.066+/-0.032 χ^2/NDF: 901340.0/45



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -323.188+/-714.401 χ^2/NDF:10.0/5

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -877.342+/-786.683 χ^2/NDF:2.9/4

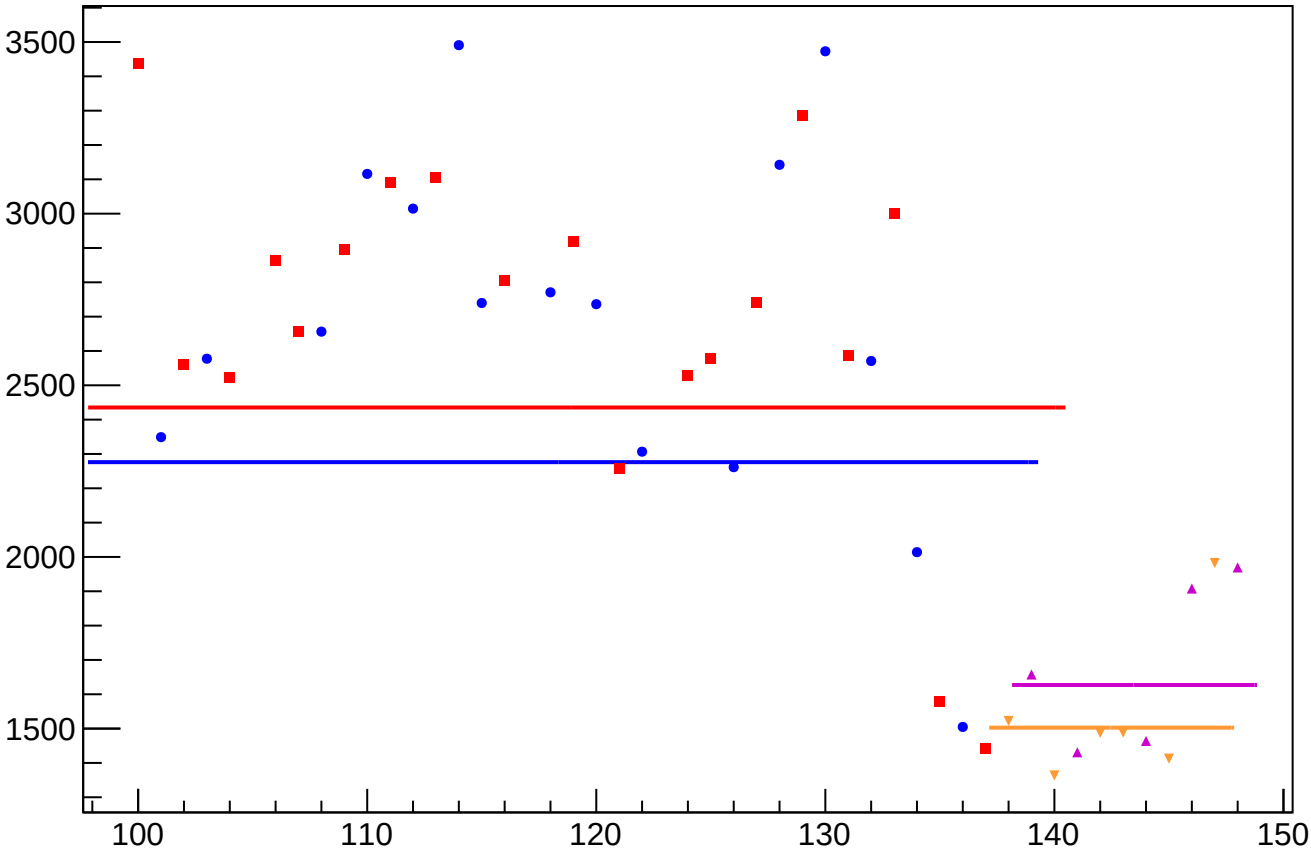
Left: -573.642+/-528.870 χ^2/NDF: 13.1/10

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1363.613+/-585.488 χ^2/NDF:19.9/20

Out: -12.352+/-563.041 χ^2/NDF:25.2/24

All: -661.583+/-405.834 χ^2/NDF: 47.9/45



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1502.756+/-0.505 χ^2/NDF:121210.3/5

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1627.002+/-0.556 χ^2/NDF:145063.2/4

Left: 1558.910+/-0.374 χ^2/NDF: 293614.1/10

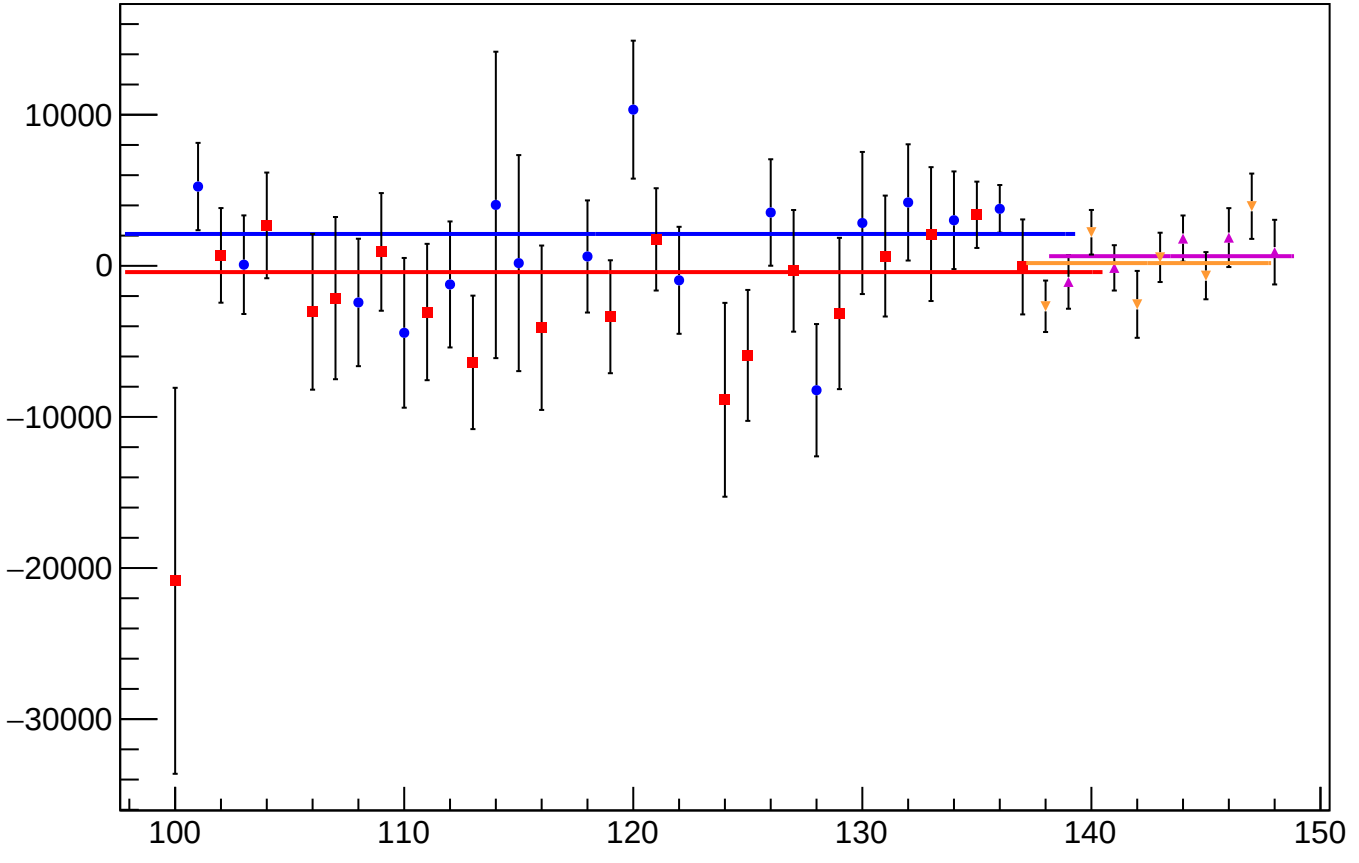
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1916.574+/-0.414 χ^2/NDF:1679497.1/20

Out: 1856.070+/-0.398 χ^2/NDF:2203938.7/24

All: 1885.140+/-0.287 χ^2/NDF: 3894532.1/45

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 182.069+/-705.668 χ^2/NDF:9.6/5

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 639.493+/-773.556 χ^2/NDF:2.2/4

Left: 389.832+/-521.334 χ^2/NDF: 12.0/10

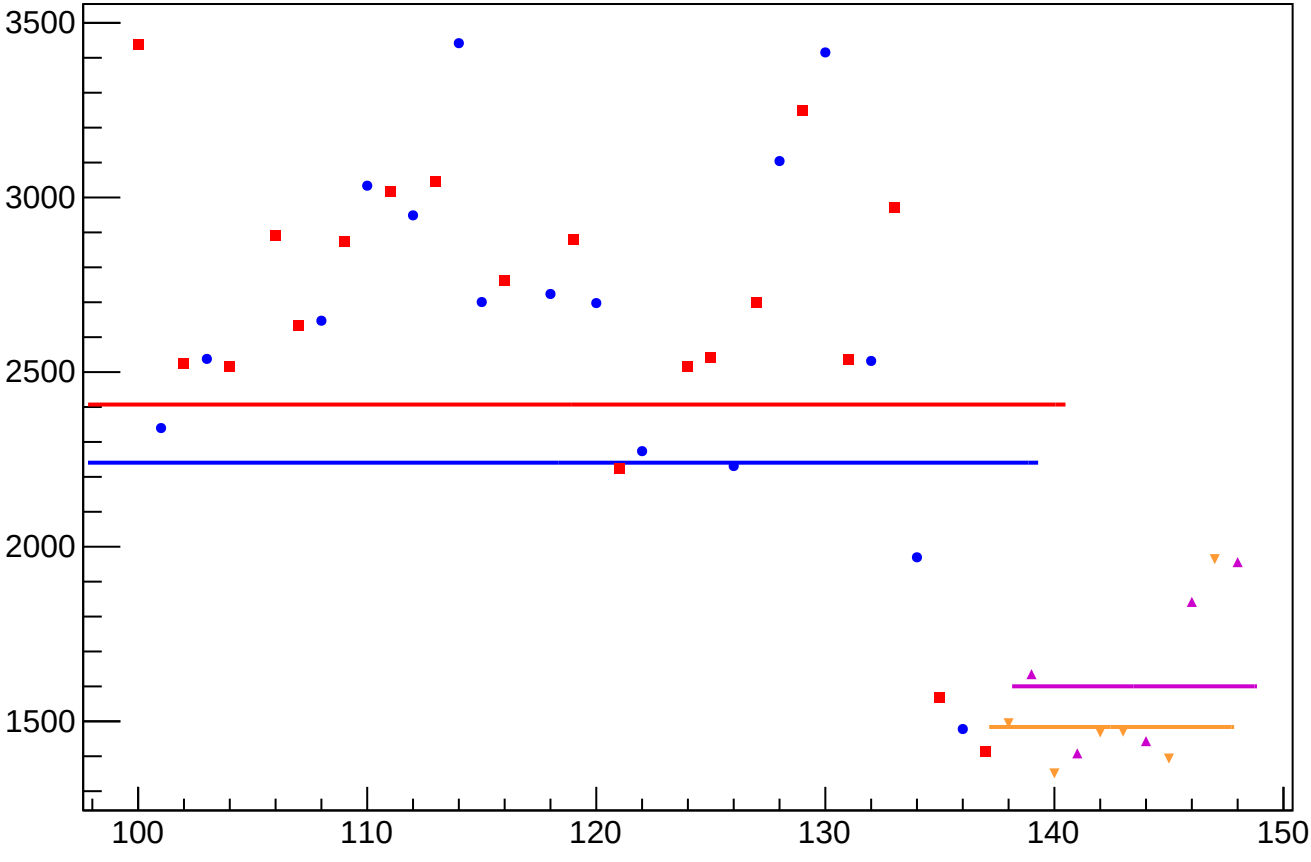
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1294.166+/-576.108 χ^2/NDF:20.4/20

Out: -43.528+/-556.354 χ^2/NDF:24.6/24

All: 601.992+/-400.203 χ^2/NDF: 47.8/45

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1483.799+/-0.499 χ^2/NDF:122129.6/5

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1600.222+/-0.547 χ^2/NDF:140648.6/4

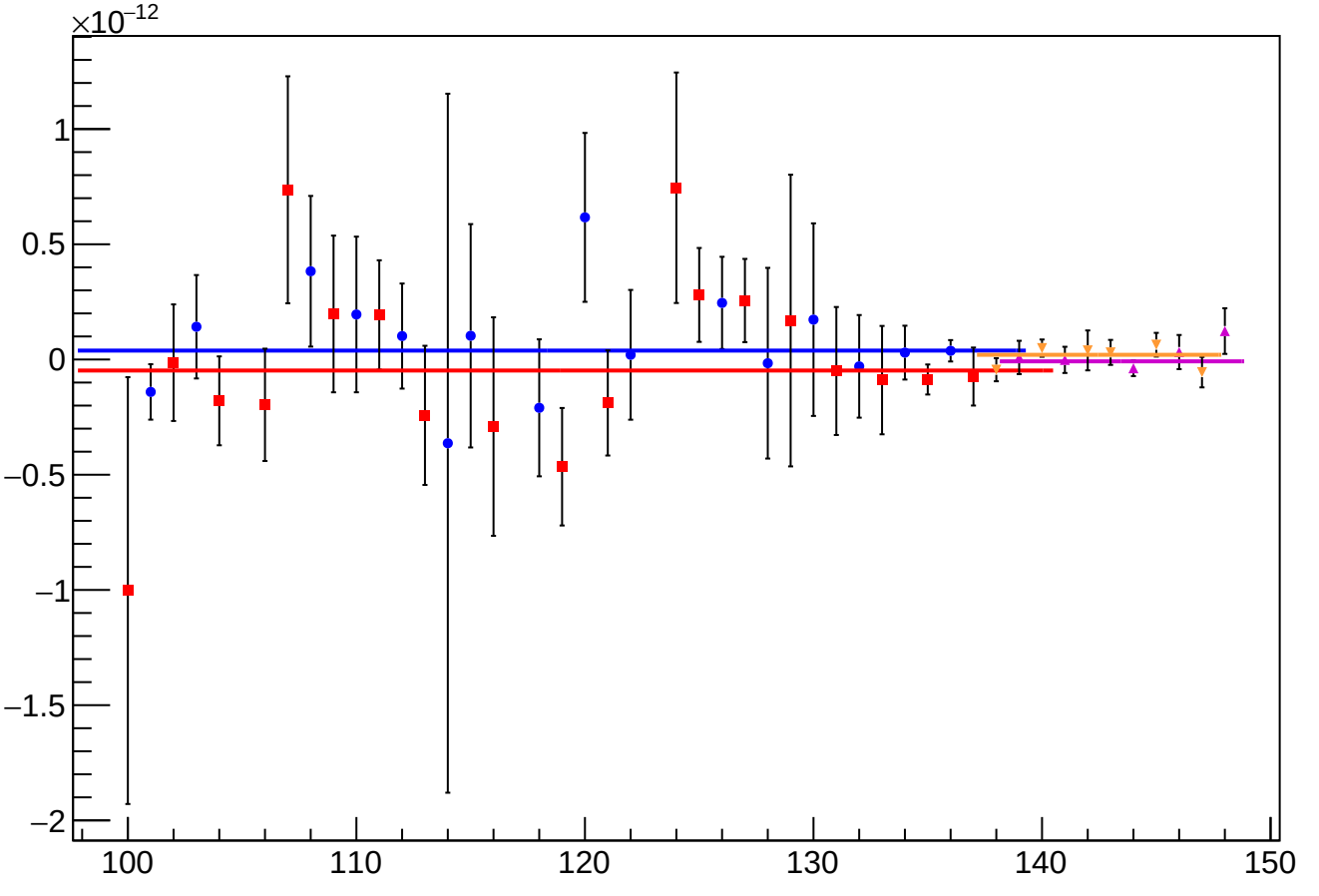
Left: 1536.679+/-0.369 χ^2/NDF: 287504.3/10

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1885.421+/-0.407 χ^2/NDF:1684687.6/20

Out: 1833.199+/-0.393 χ^2/NDF:2206809.5/24

All: 1858.399+/-0.283 χ^2/NDF: 3900000.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/4

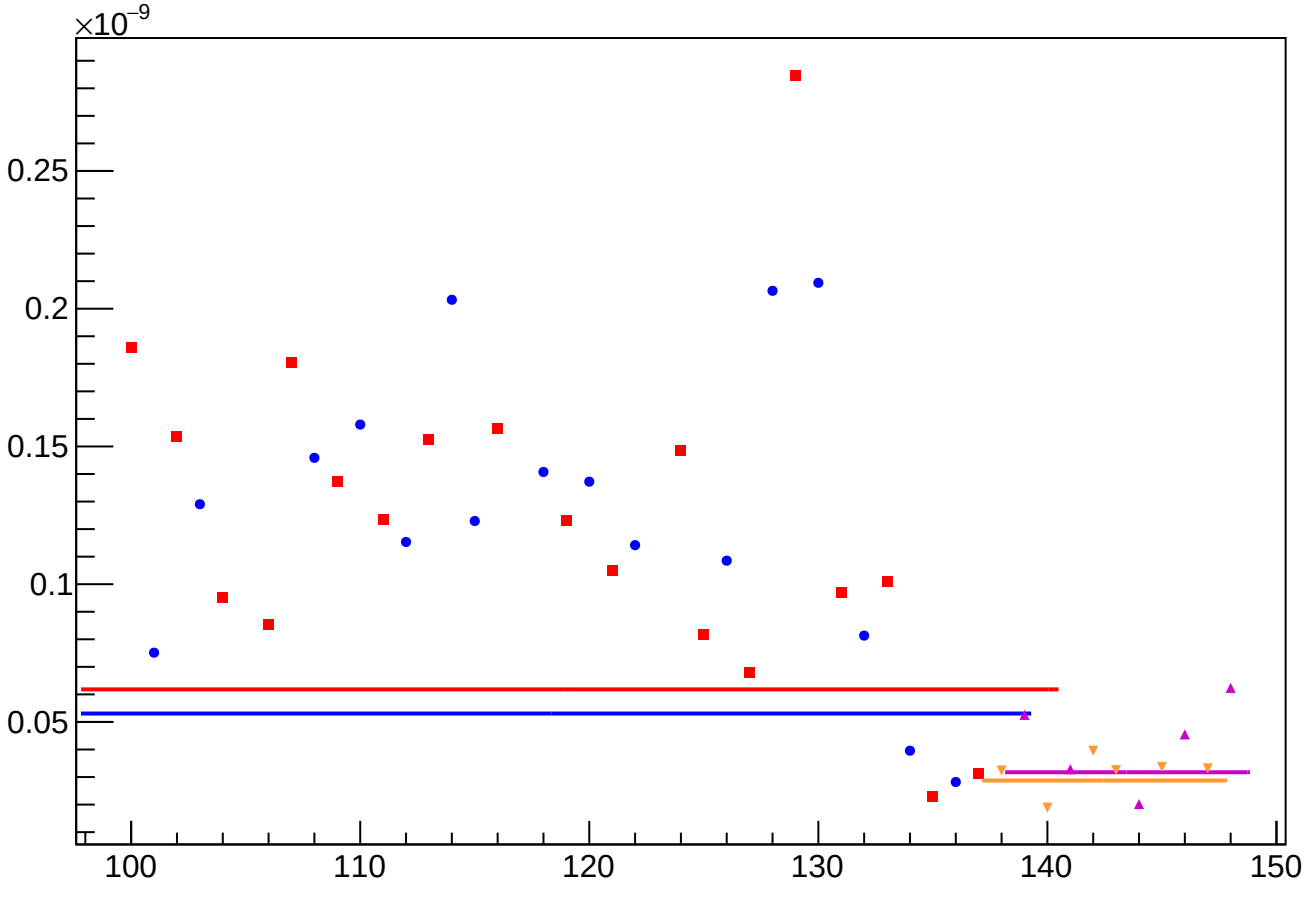
Left: 0.000+/-0.000 χ^2/NDF: 8.0/10

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:12.4/20

Out: 0.000+/-0.000 χ^2/NDF:24.6/24

All: 0.000+/-0.000 χ^2/NDF: 37.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:217561.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:656369.7/4

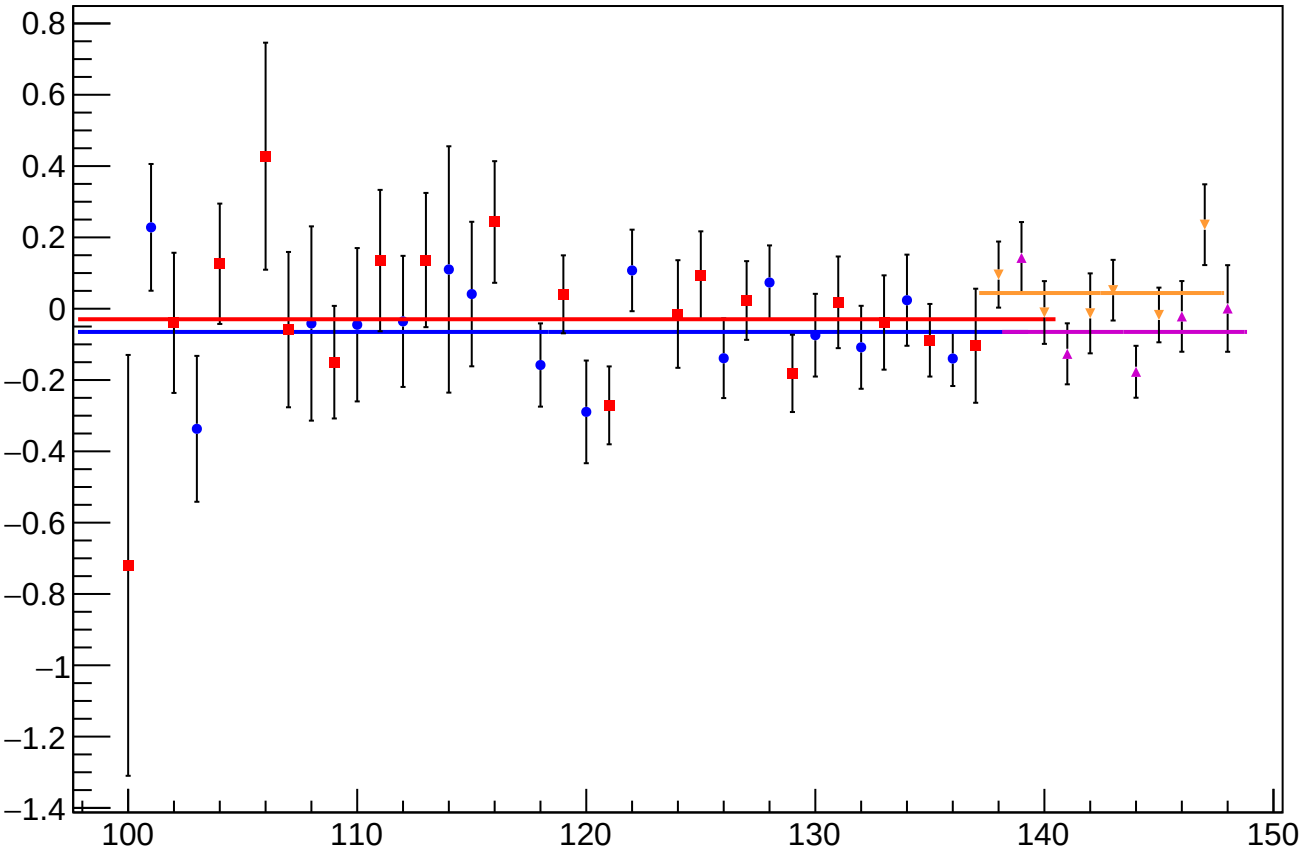
Left: 0.000+/-0.000 χ^2/NDF: 890818.2/10

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3704341.0/20

Out: 0.000+/-0.000 χ^2/NDF:3571091.3/24

All: 0.000+/-0.000 χ^2/NDF: 7302250.0/45



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.065+/-0.041 χ^2/NDF:7.6/4

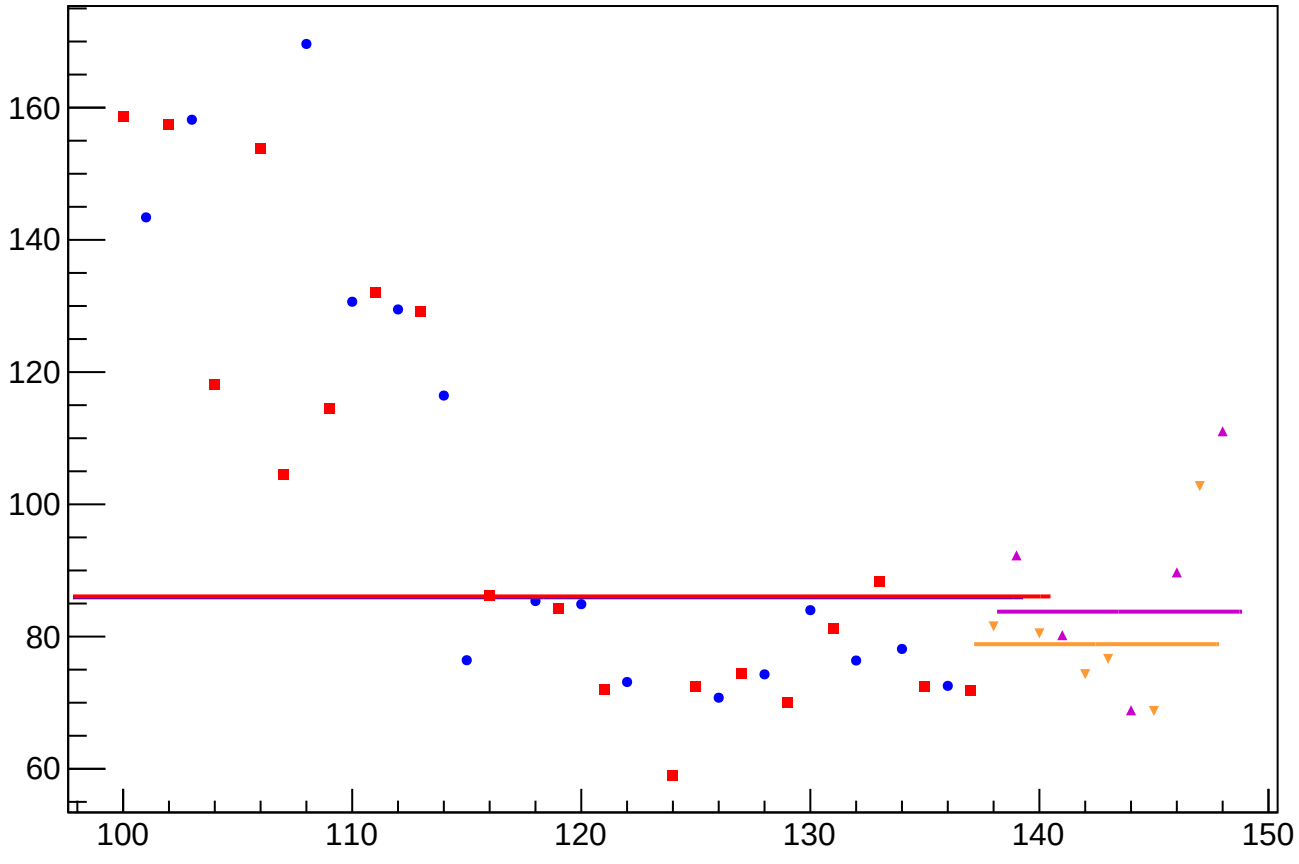
Left: -0.006+/-0.028 χ^2/NDF: 16.0/10

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.030+/-0.018 χ^2/NDF: 50.1/45



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.848+/-0.027 χ^2/NDF:130885.0/5

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

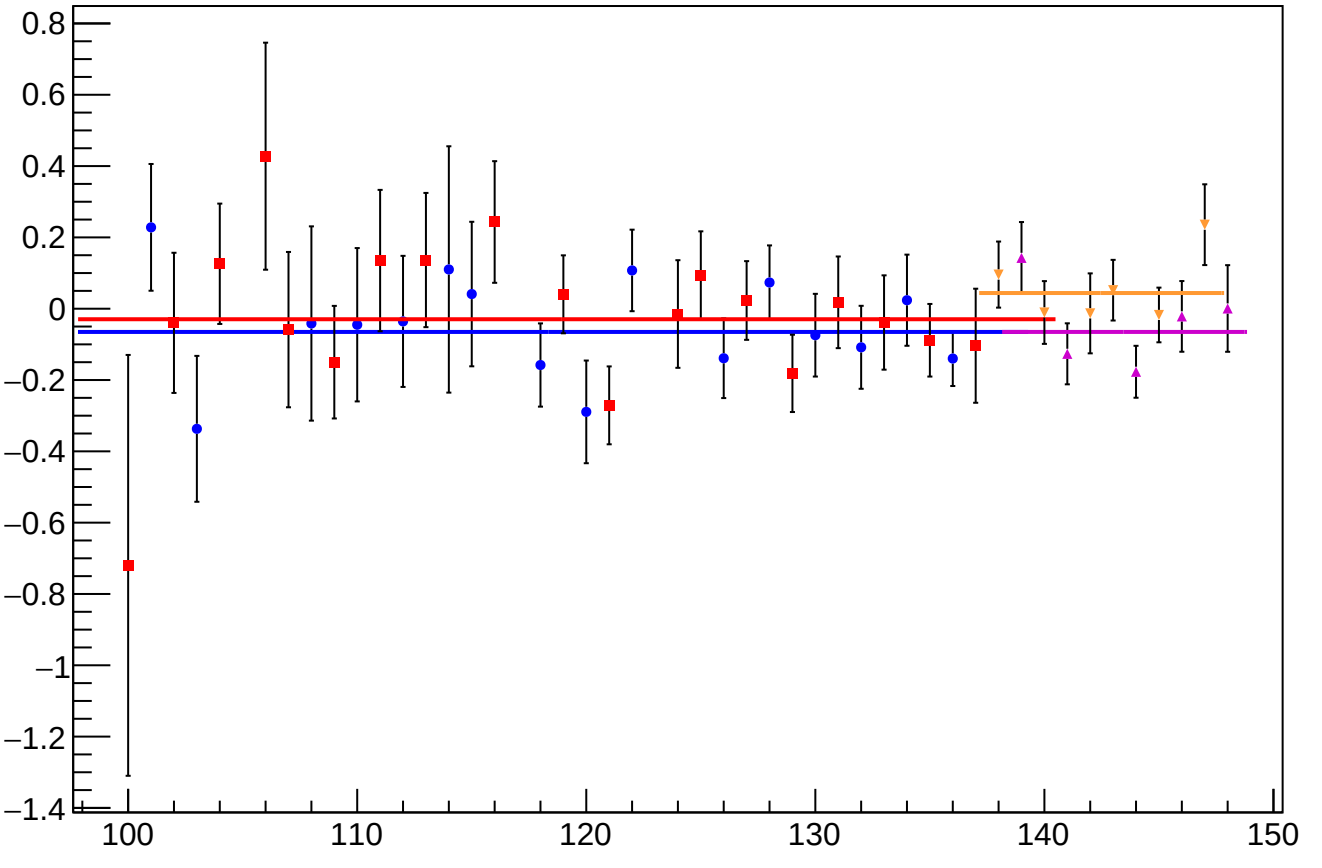
Left: 81.087+/-0.020 χ^2/NDF: 356414.9/10

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.081+/-0.018 χ^2/NDF:1248252.8/20

Out: 82.923+/-0.018 χ^2/NDF:1164138.0/24

All: 83.955+/-0.013 χ^2/NDF: 2419656.4/45



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.065+/-0.041 χ^2/NDF:7.6/4

Left: -0.006+/-0.028 χ^2/NDF: 16.0/10

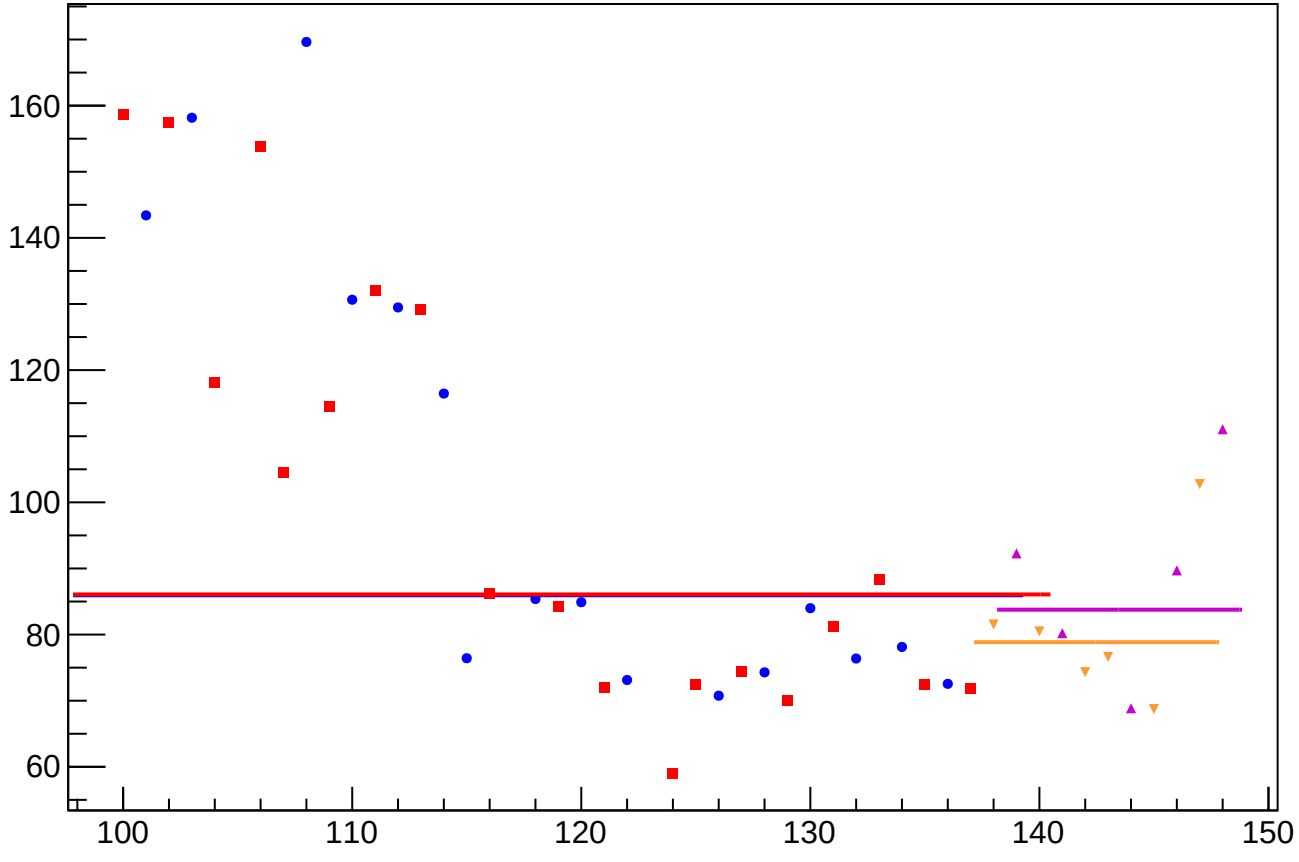
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.030+/-0.018 χ^2/NDF: 50.1/45

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: 78.848+/-0.027 χ^2/NDF:130885.0/5

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

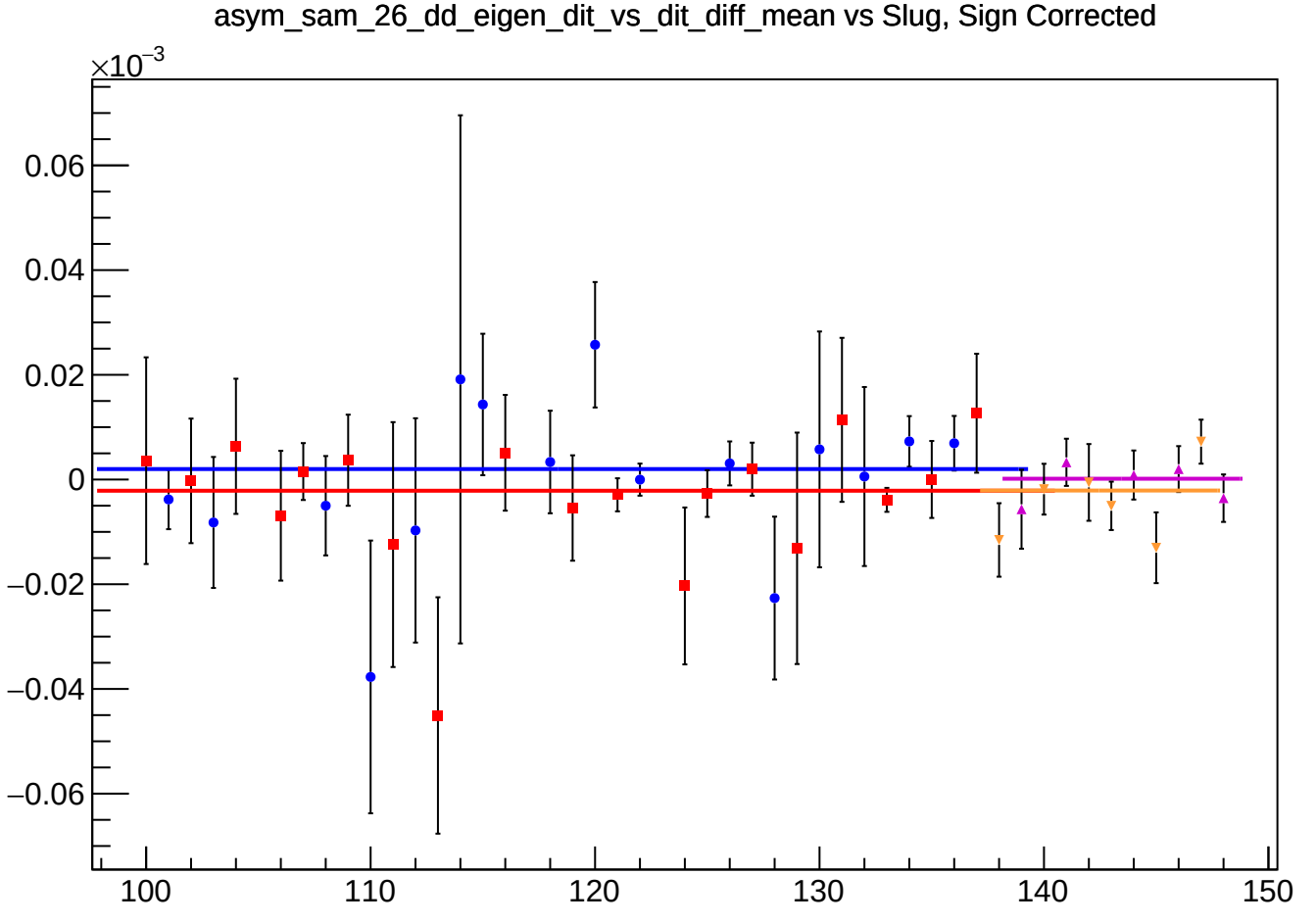
Left: 81.087+/-0.020 χ^2/NDF: 356414.9/10

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

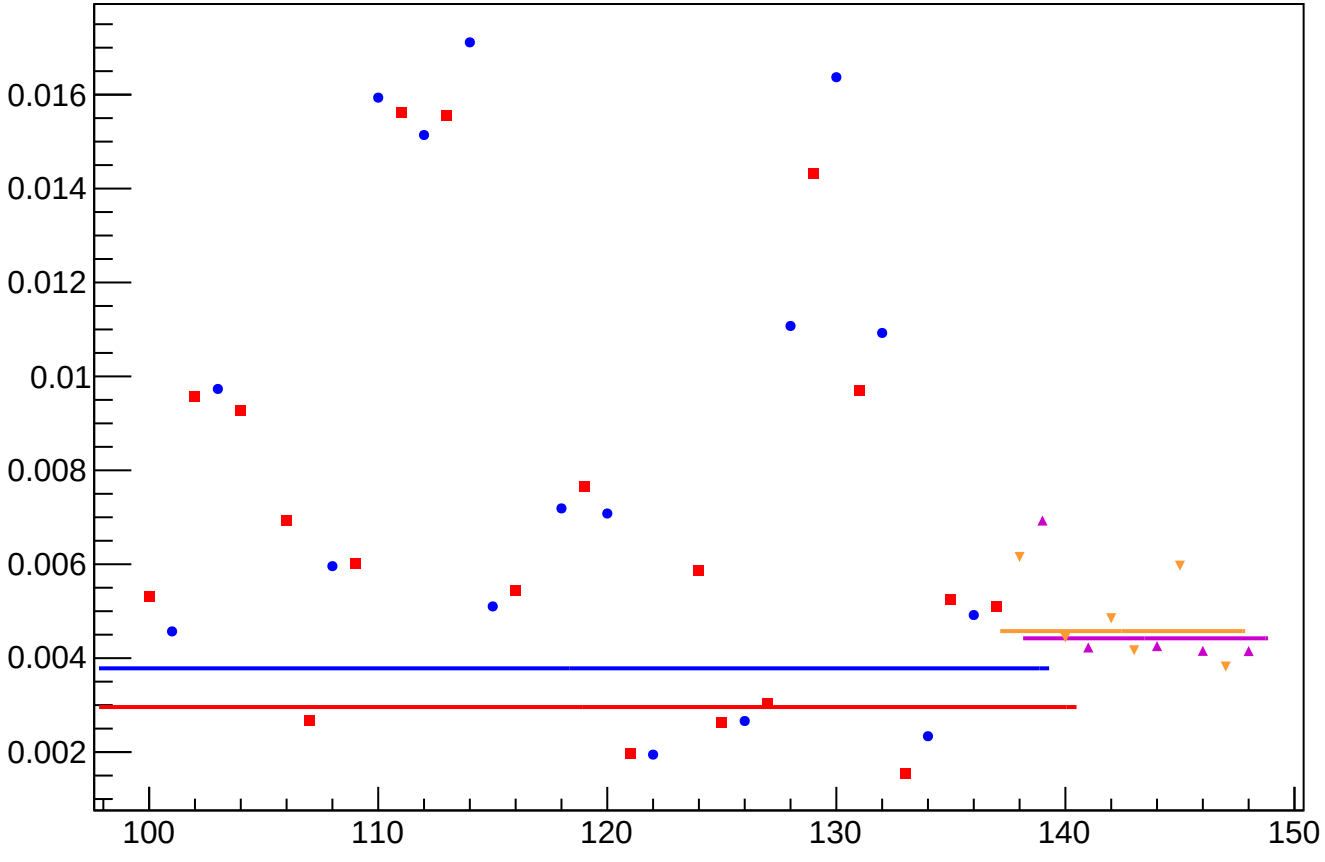
In: 85.081+/-0.018 χ^2/NDF:1248252.8/20

Out: 82.923+/-0.018 χ^2/NDF:1164138.0/24

All: 83.955+/-0.013 χ^2/NDF: 2419656.4/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: 0.000+/-0.000 χ²/NDF:2.0/4
Left: -0.000+/-0.000 χ²/NDF: 12.3/10
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:17.3/20
Out: -0.000+/-0.000 χ²/NDF:21.3/24
All: -0.000+/-0.000 χ²/NDF: 42.2/45

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:270697.9/5

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.004+/-0.000 χ^2/NDF:241644.0/4

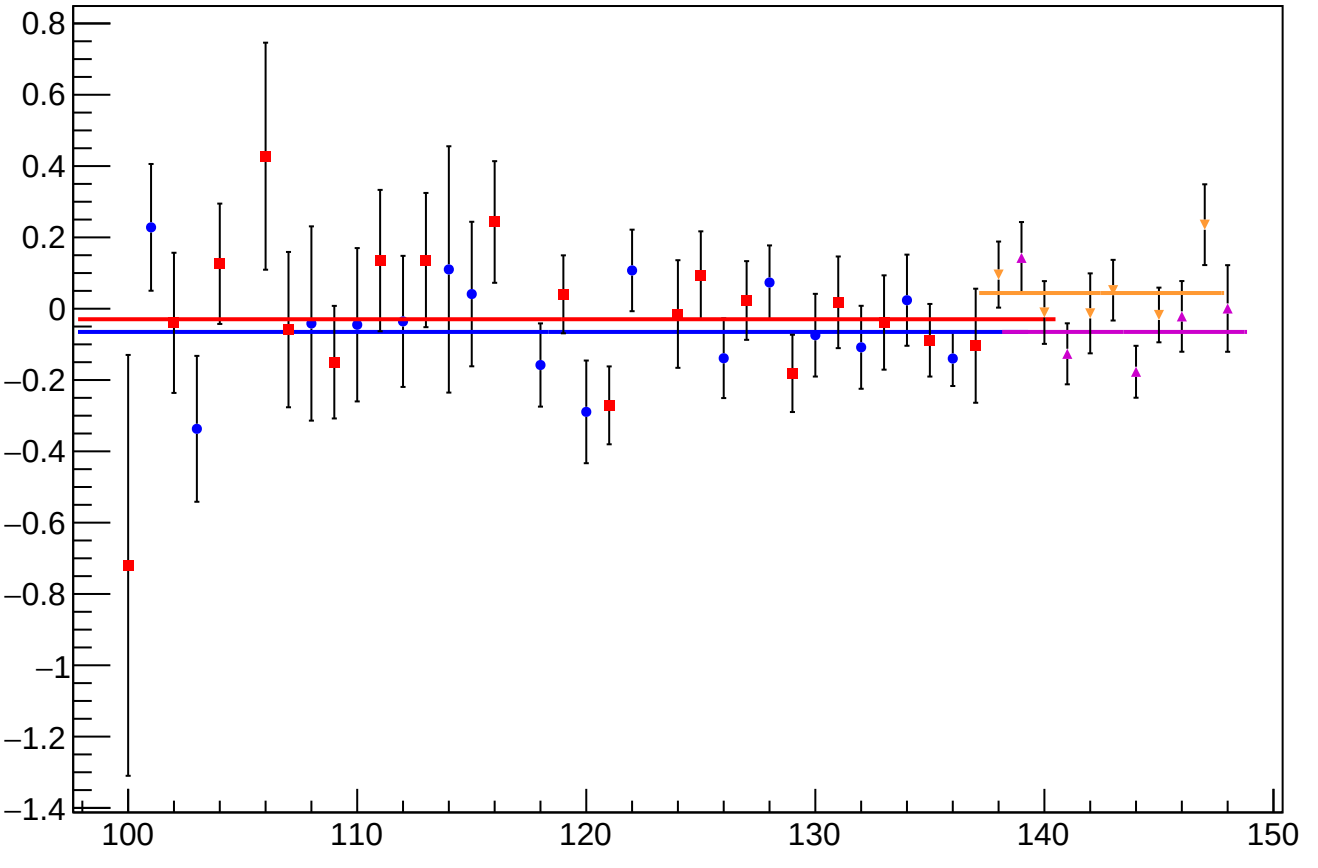
Left: 0.004+/-0.000 χ^2/NDF: 517304.1/10

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5041386.4/20

Out: 0.003+/-0.000 χ^2/NDF:6587380.5/24

All: 0.004+/-0.000 χ^2/NDF: 11856919.6/45



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.065+/-0.041 χ^2/NDF:7.6/4

Left: -0.006+/-0.028 χ^2/NDF: 16.0/10

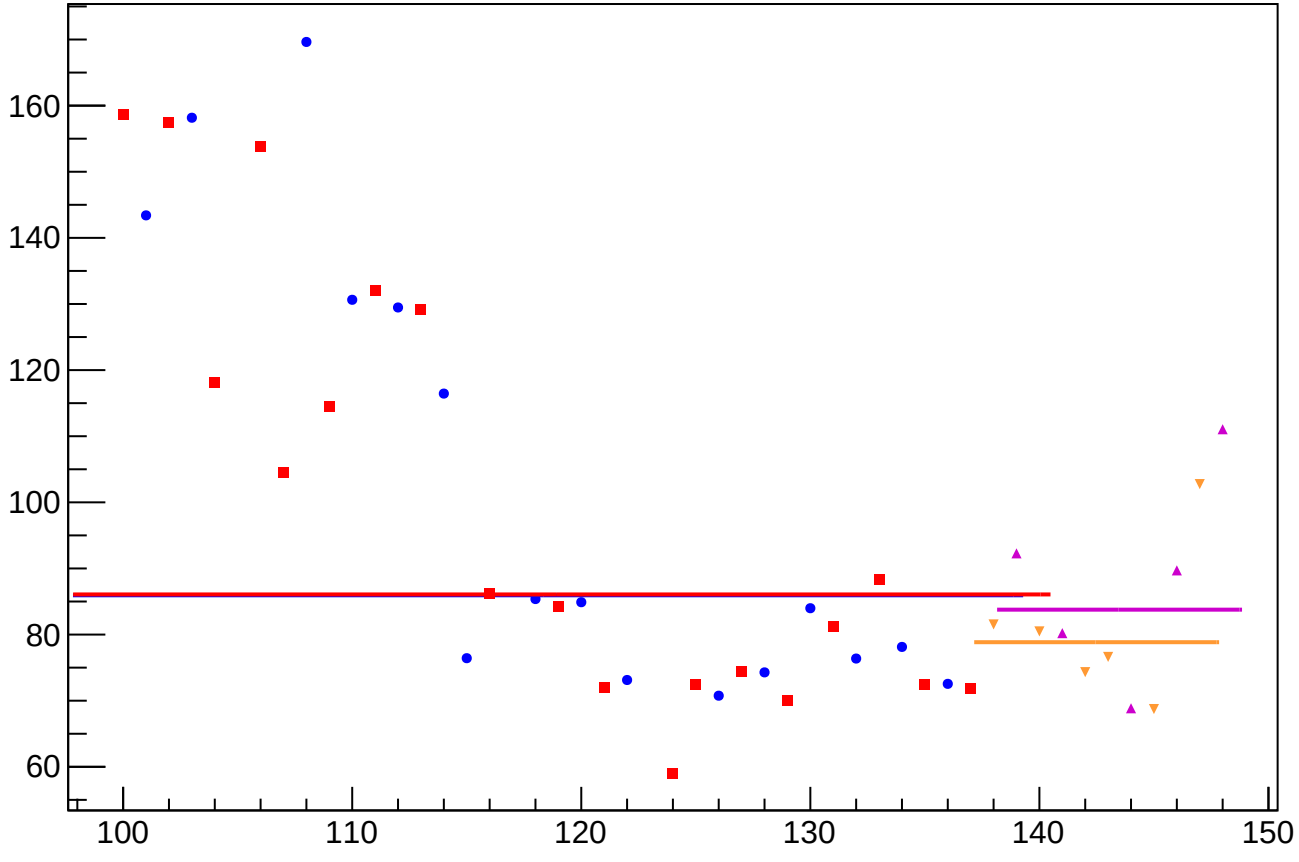
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.030+/-0.018 χ^2/NDF: 50.1/45

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: 78.847+/-0.027 χ^2/NDF:130900.2/5

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

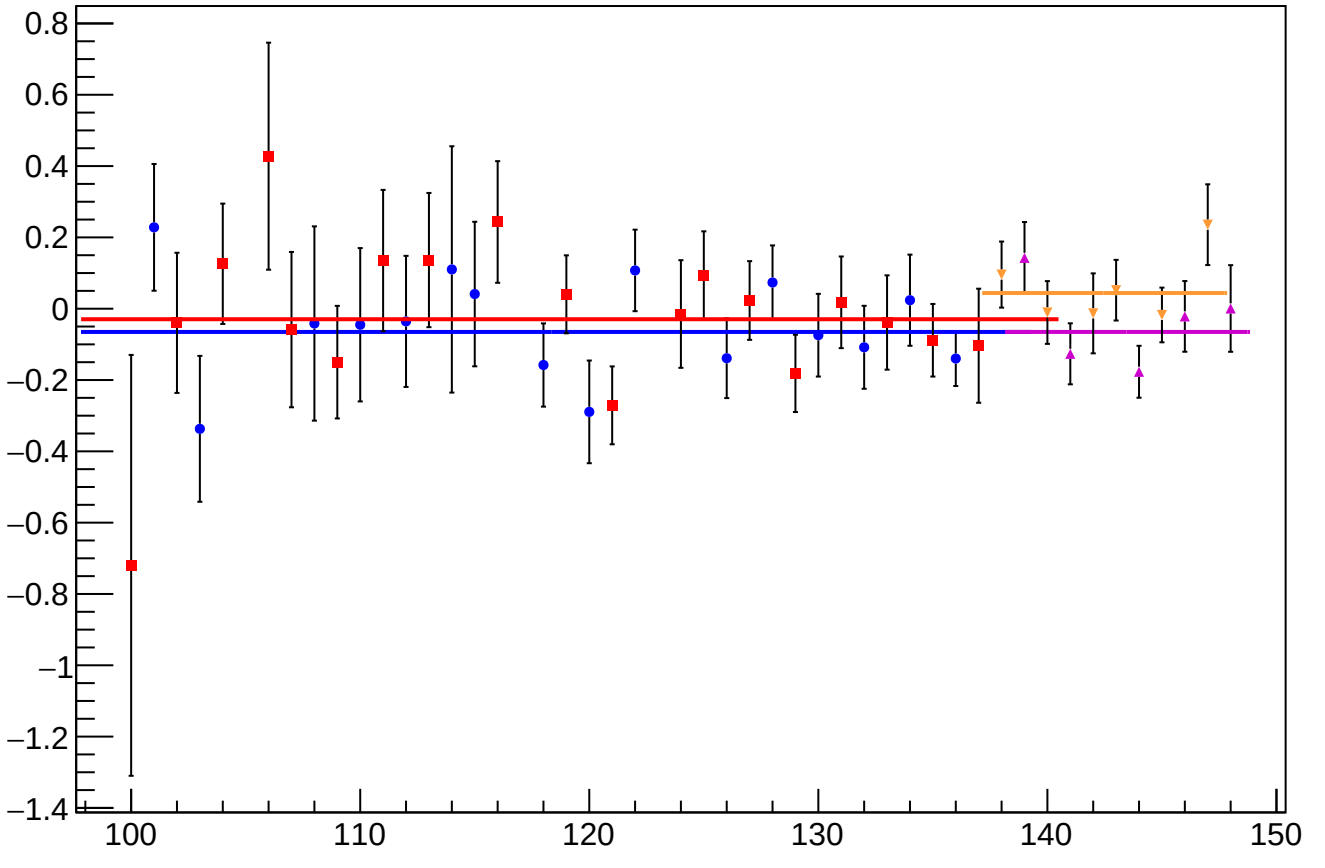
Left: 81.086+/-0.020 χ^2/NDF: 356431.1/10

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.079+/-0.018 χ^2/NDF:1248228.7/20

Out: 82.922+/-0.018 χ^2/NDF:1164134.5/24

All: 83.953+/-0.013 χ^2/NDF: 2419627.8/45



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.065+/-0.041 χ^2/NDF:7.6/4

Left: -0.006+/-0.028 χ^2/NDF: 16.0/10

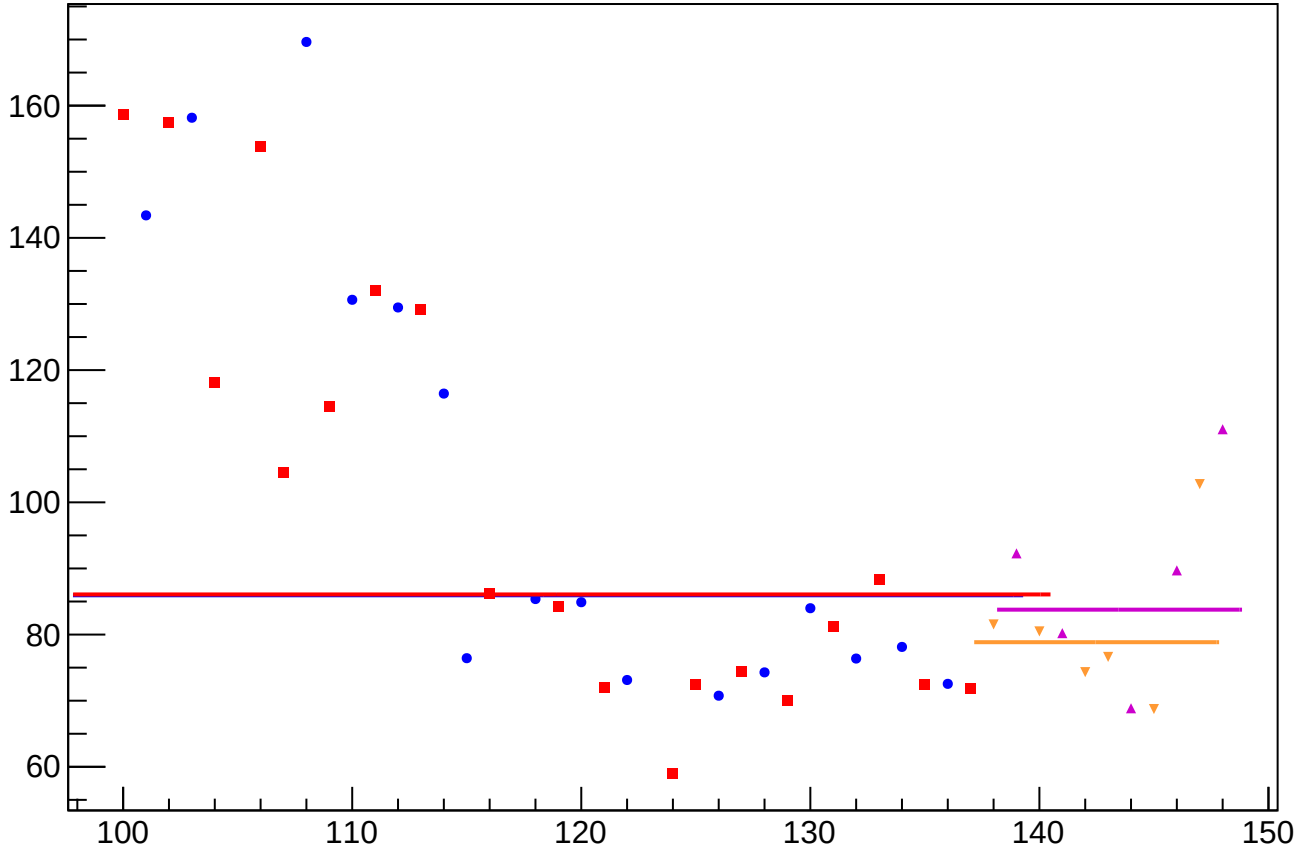
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.030+/-0.018 χ^2/NDF: 50.1/45

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: 78.847+/-0.027 χ^2/NDF:130900.2/5

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

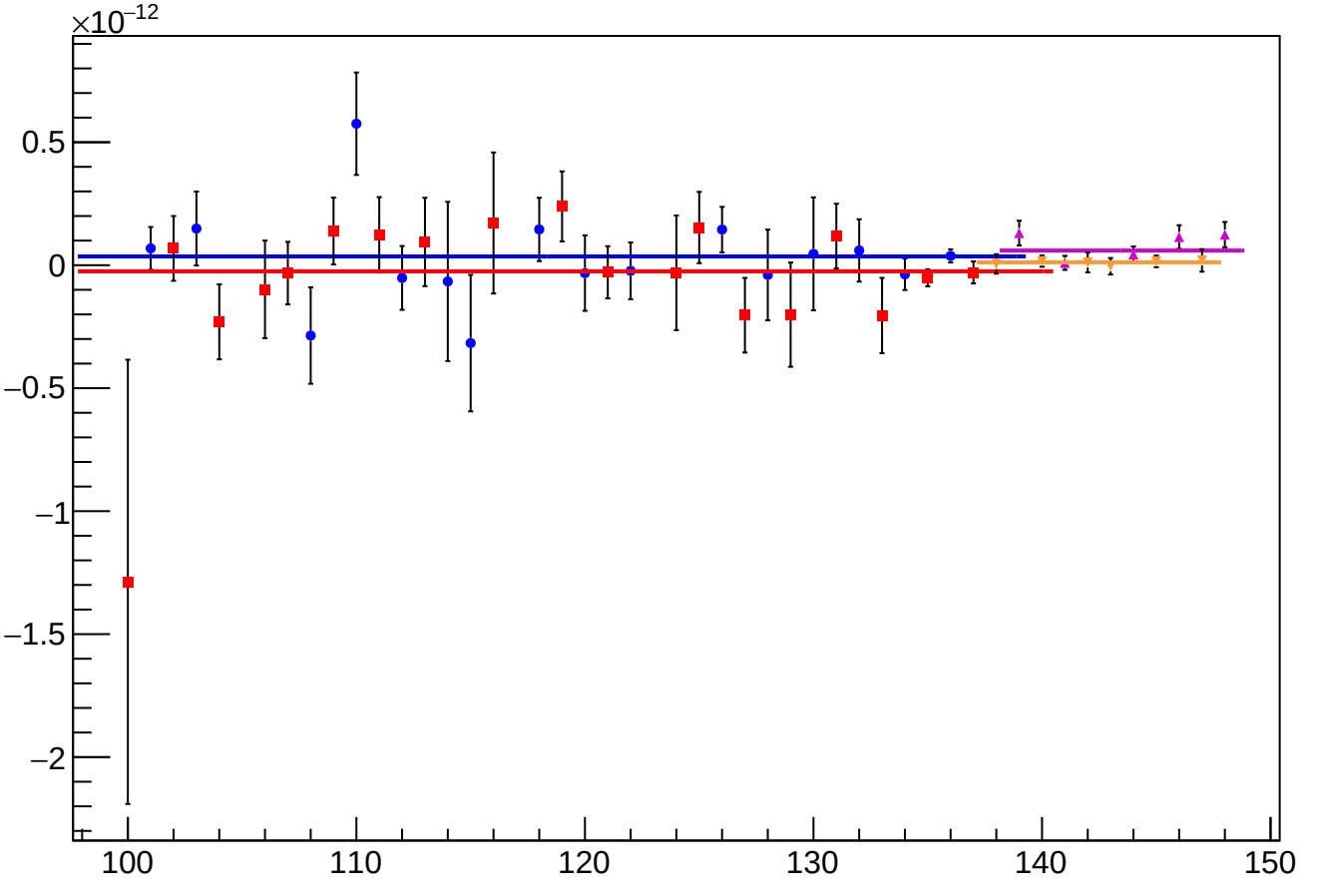
Left: 81.086+/-0.020 χ^2/NDF: 356431.1/10

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.079+/-0.018 χ^2/NDF:1248228.7/20

Out: 82.922+/-0.018 χ^2/NDF:1164134.5/24

All: 83.953+/-0.013 χ^2/NDF: 2419627.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

Left: 0.000+/-0.000 χ^2/NDF: 13.6/10

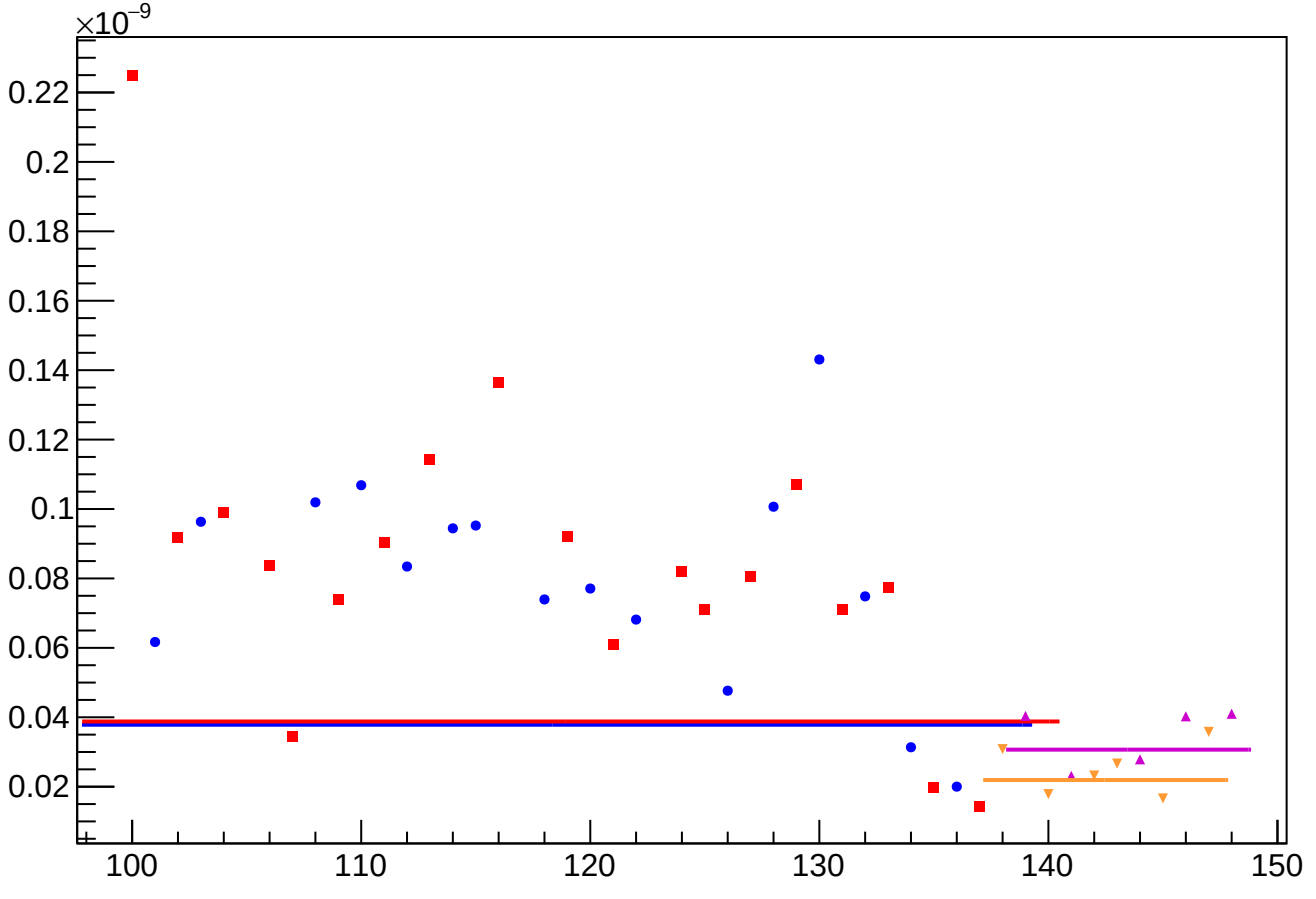
Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:25.4/20

Out: 0.000+/-0.000 χ^2/NDF:20.3/24

All: 0.000+/-0.000 χ^2/NDF: 53.1/45

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:492325.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:390173.1/4

Left: 0.000+/-0.000 χ^2/NDF: 1220542.4/10

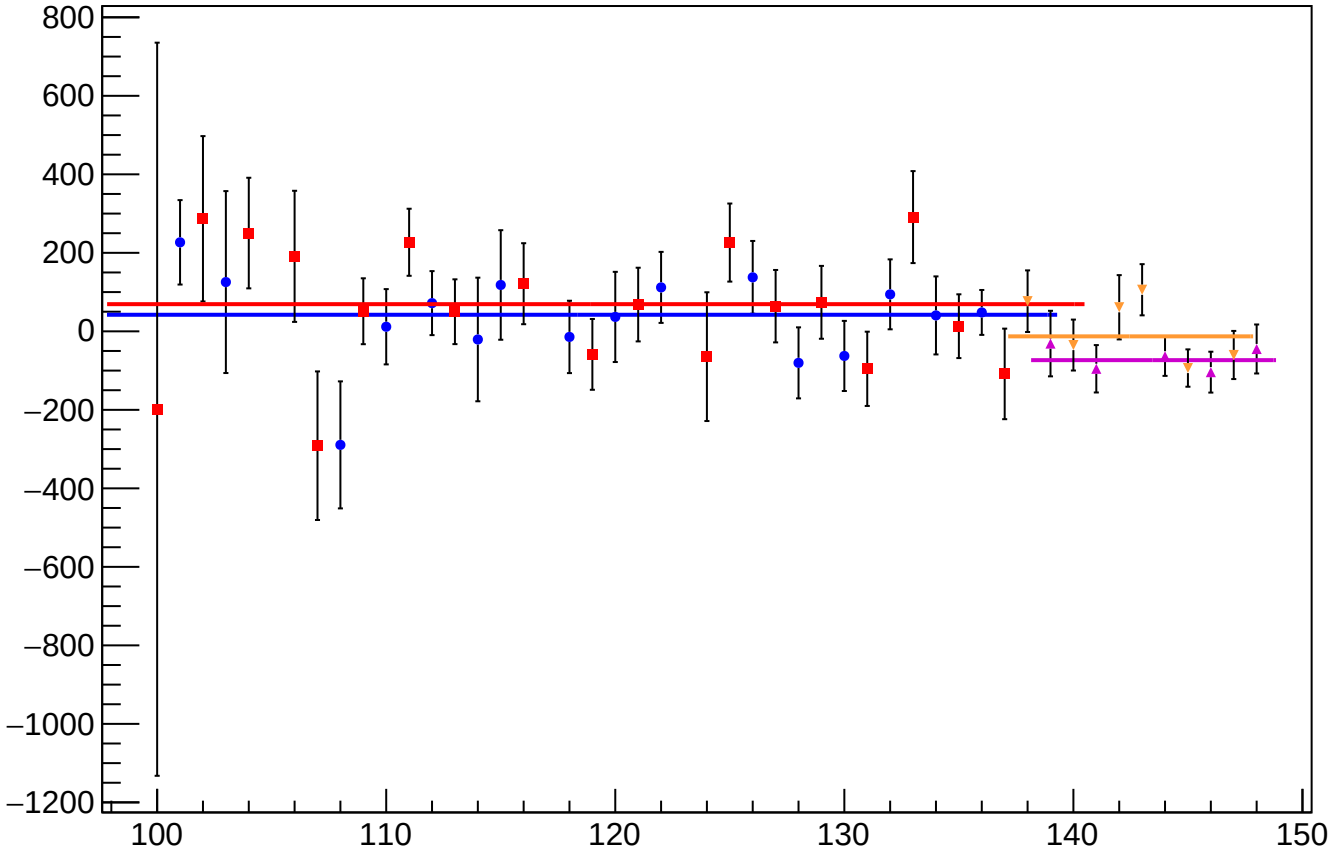
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3990021.5/20

Out: 0.000+/-0.000 χ^2/NDF:5490443.1/24

All: 0.000+/-0.000 χ^2/NDF: 9874990.8/45

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.798+/-25.889 χ^2/NDF:9.0/5

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -73.381+/-26.314 χ^2/NDF:1.0/4

Left: -42.597+/-18.455 χ^2/NDF: 12.7/10

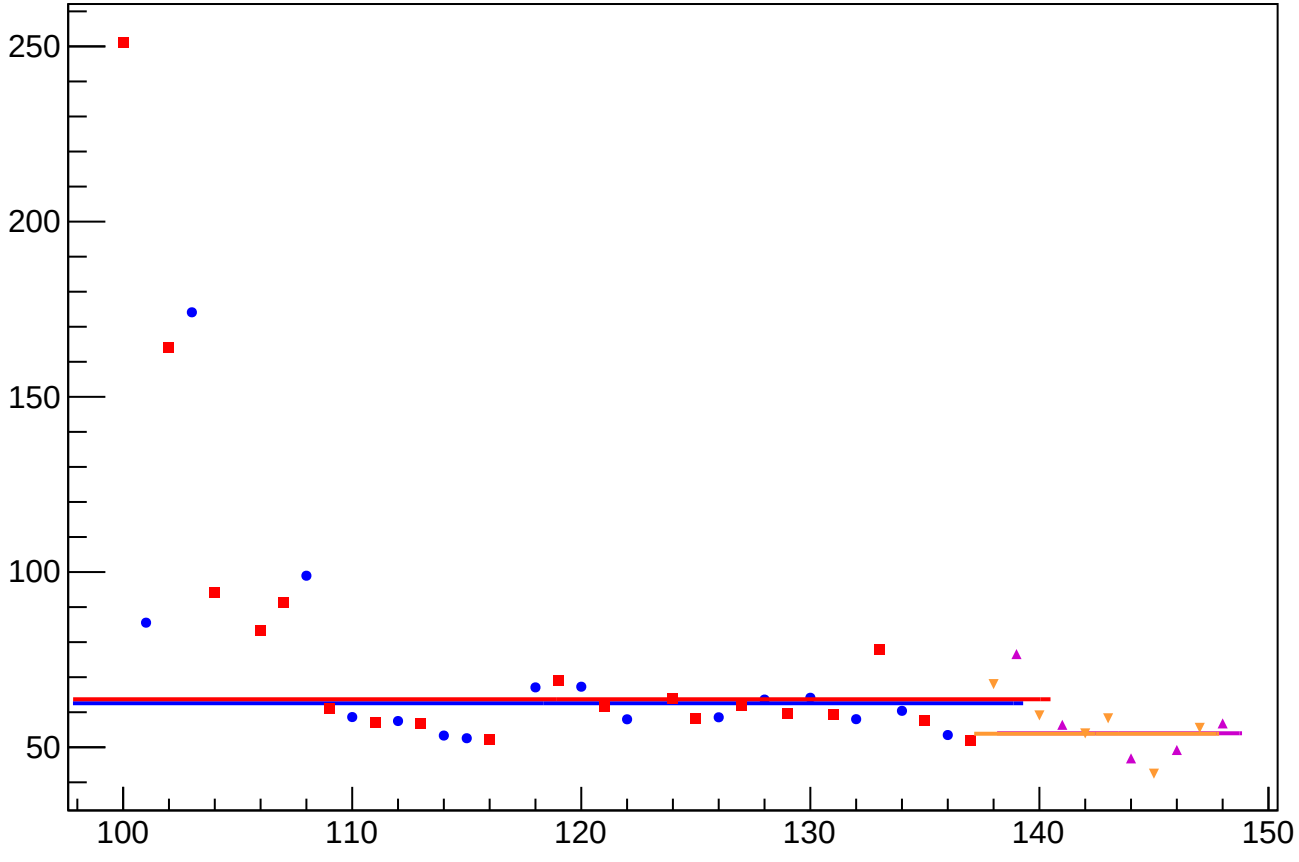
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.768+/-17.815 χ^2/NDF:25.0/20

Out: 30.622+/-17.764 χ^2/NDF:39.7/24

All: 9.988+/-12.579 χ^2/NDF: 67.4/45

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

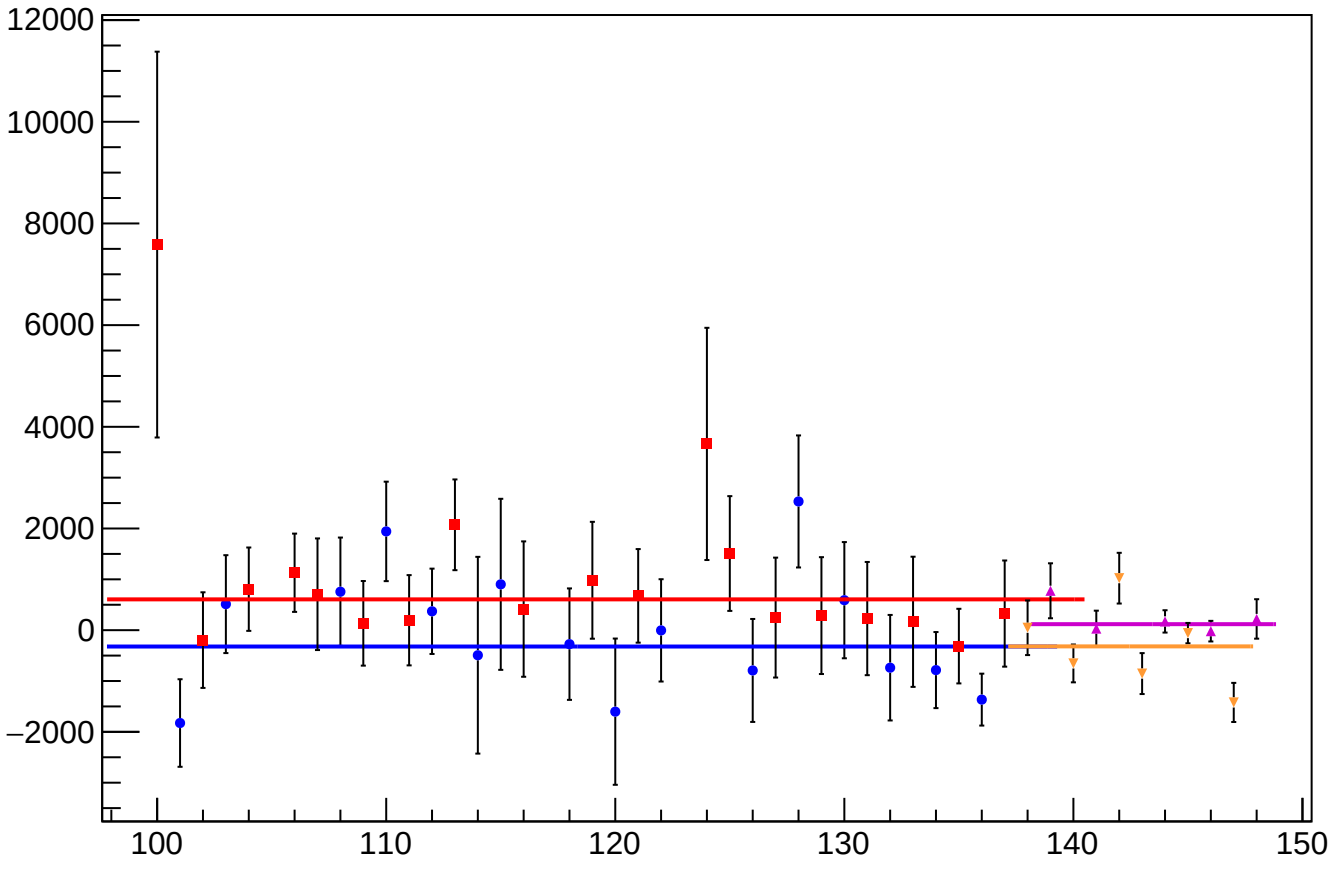
Left: 53.929+/-0.013 χ^2/NDF: 415168.0/10

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 58.638+/-0.013 χ^2/NDF:1085178.8/20

Out: 59.069+/-0.013 χ^2/NDF:1190369.2/24

All: 58.854+/-0.009 χ^2/NDF: 2276136.6/45



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -318.951+/-137.951 χ^2/NDF:20.2/5

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 118.165+/-125.779 χ^2/NDF:2.1/4

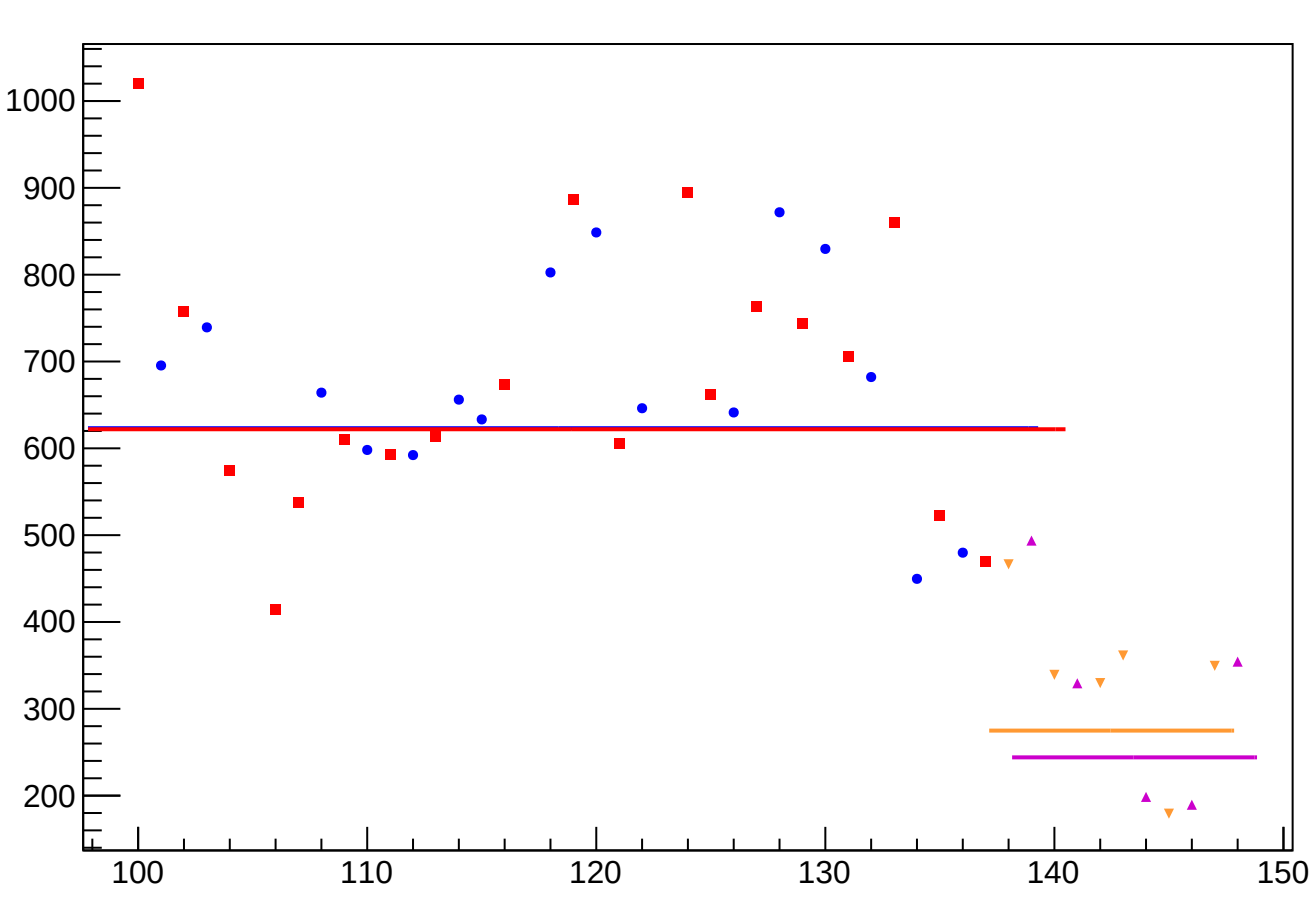
Left: -80.262+/-92.945 χ^2/NDF: 27.8/10

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 22.445+/-111.254 χ^2/NDF:27.5/20

Out: -79.889+/-118.791 χ^2/NDF:44.3/24

All: -25.373+/-81.202 χ^2/NDF: 72.2/45



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 274.915+/-0.098 χ^2/NDF:961505.7/5

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 244.082+/-0.089 χ^2/NDF:936122.7/4

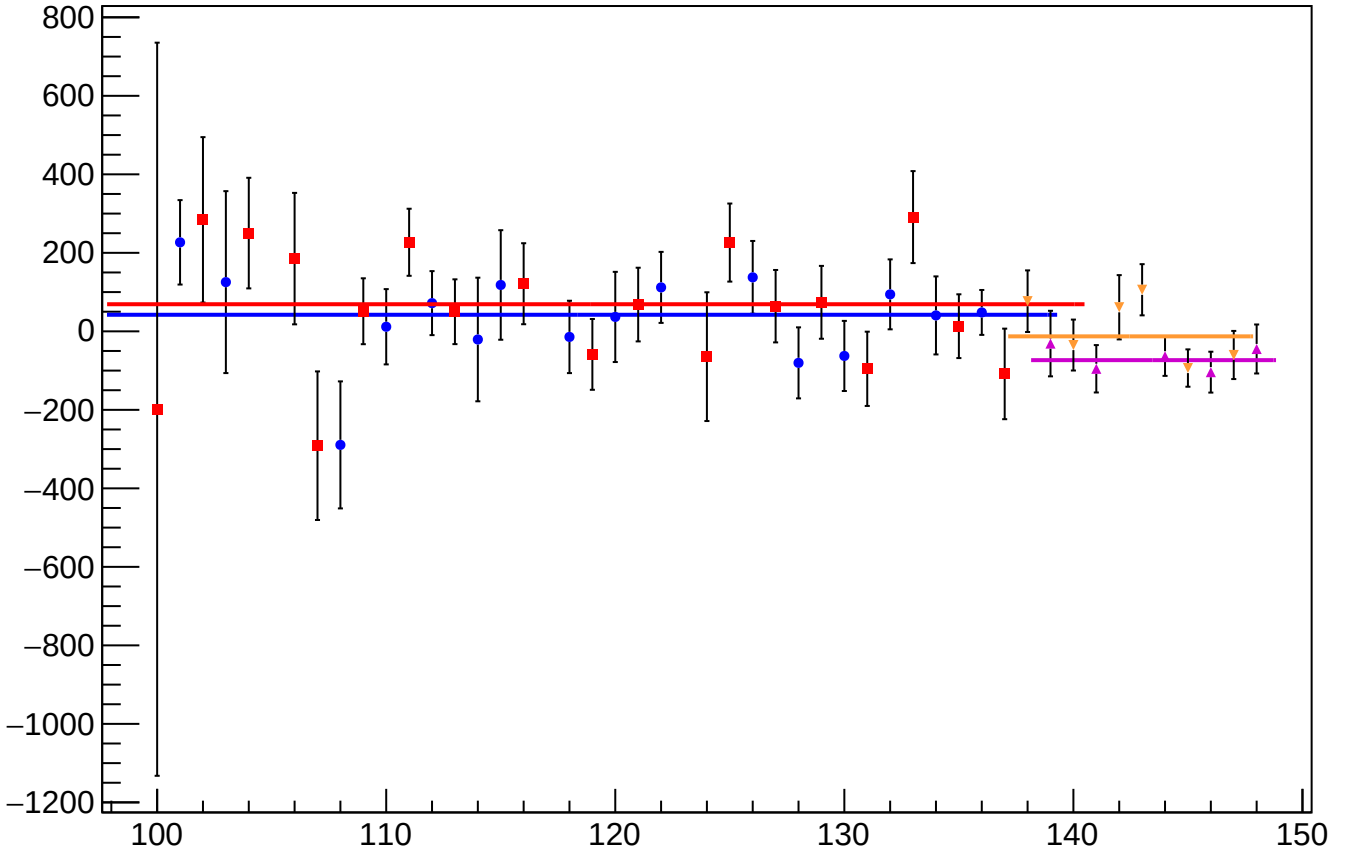
Left: 258.078+/-0.066 χ^2/NDF: 1952184.7/10

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 326.585+/-0.079 χ^2/NDF:5455642.3/20

Out: 364.629+/-0.084 χ^2/NDF:4816339.9/24

All: 344.362+/-0.057 χ^2/NDF: 10381264.2/45



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.793+/-25.889 χ^2/NDF:9.0/5

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -73.379+/-26.314 χ^2/NDF:1.0/4

Left: -42.593+/-18.455 χ^2/NDF: 12.7/10

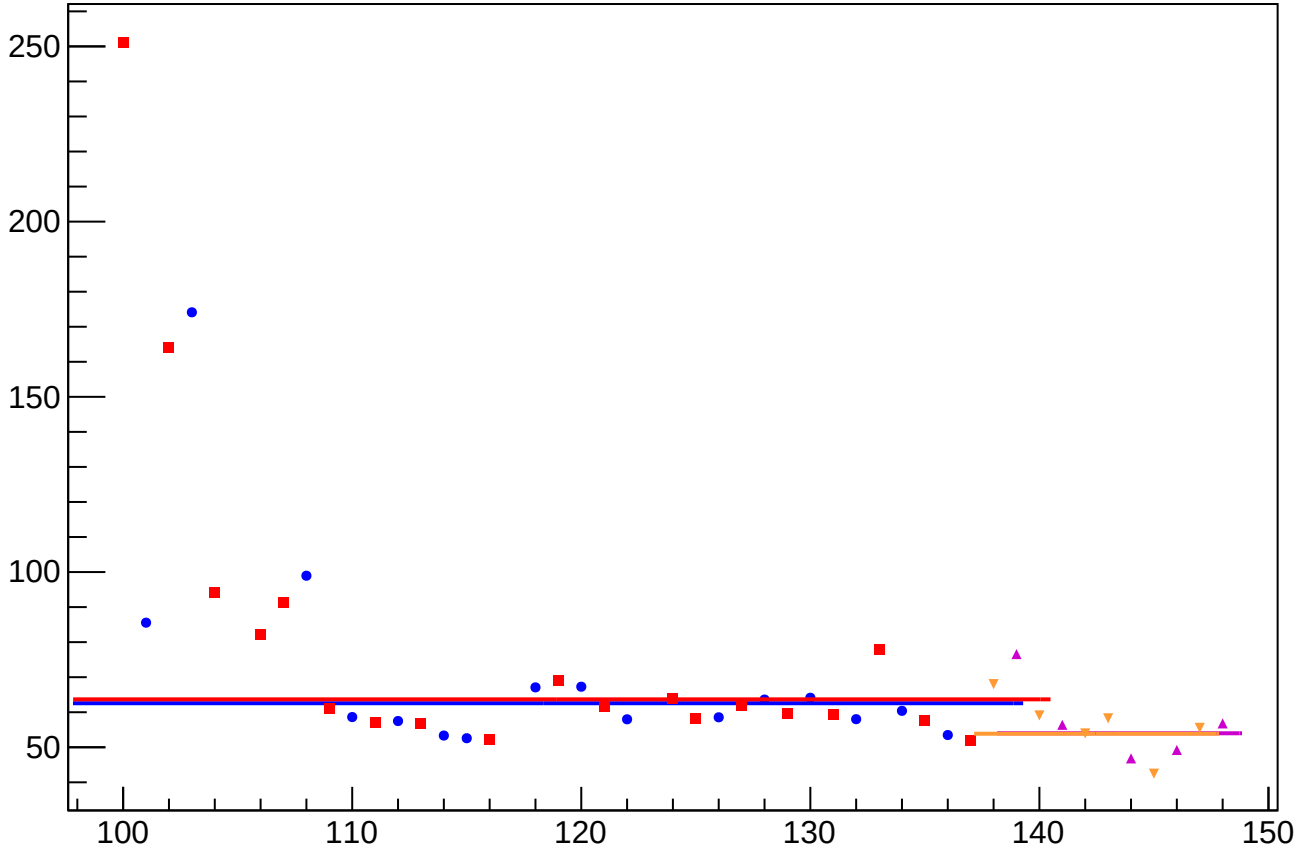
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.770+/-17.815 χ^2/NDF:25.0/20

Out: 30.526+/-17.764 χ^2/NDF:39.6/24

All: 9.938+/-12.579 χ^2/NDF: 67.3/45

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

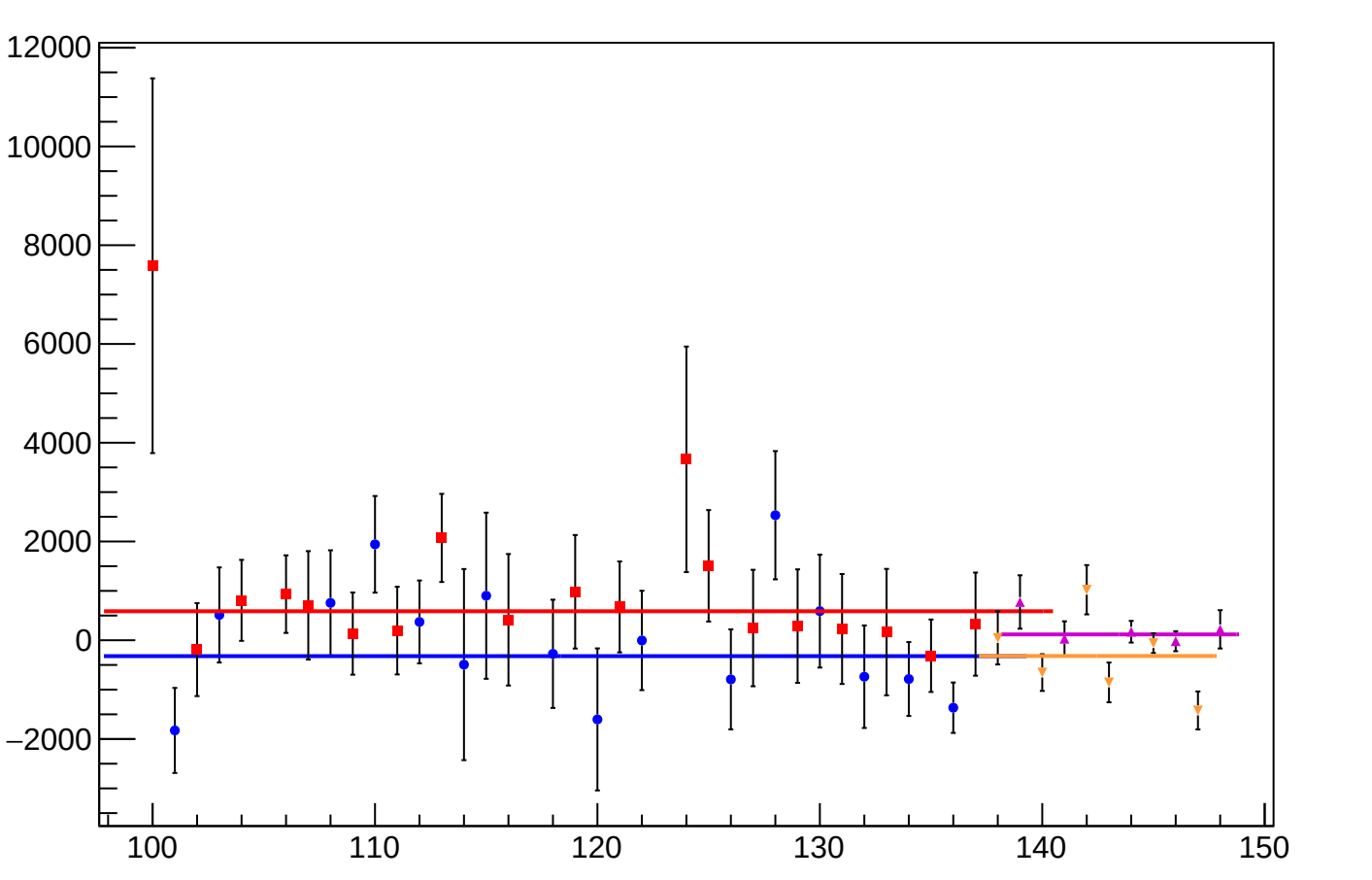
Left: 53.929+/-0.013 χ^2/NDF: 415168.0/10

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.638+/-0.013 χ^2/NDF:1085180.8/20

Out: 59.056+/-0.013 χ^2/NDF:1186864.0/24

All: 58.847+/-0.009 χ^2/NDF: 2272598.3/45



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 118.171+/-125.779 χ^2/NDF:2.1/4

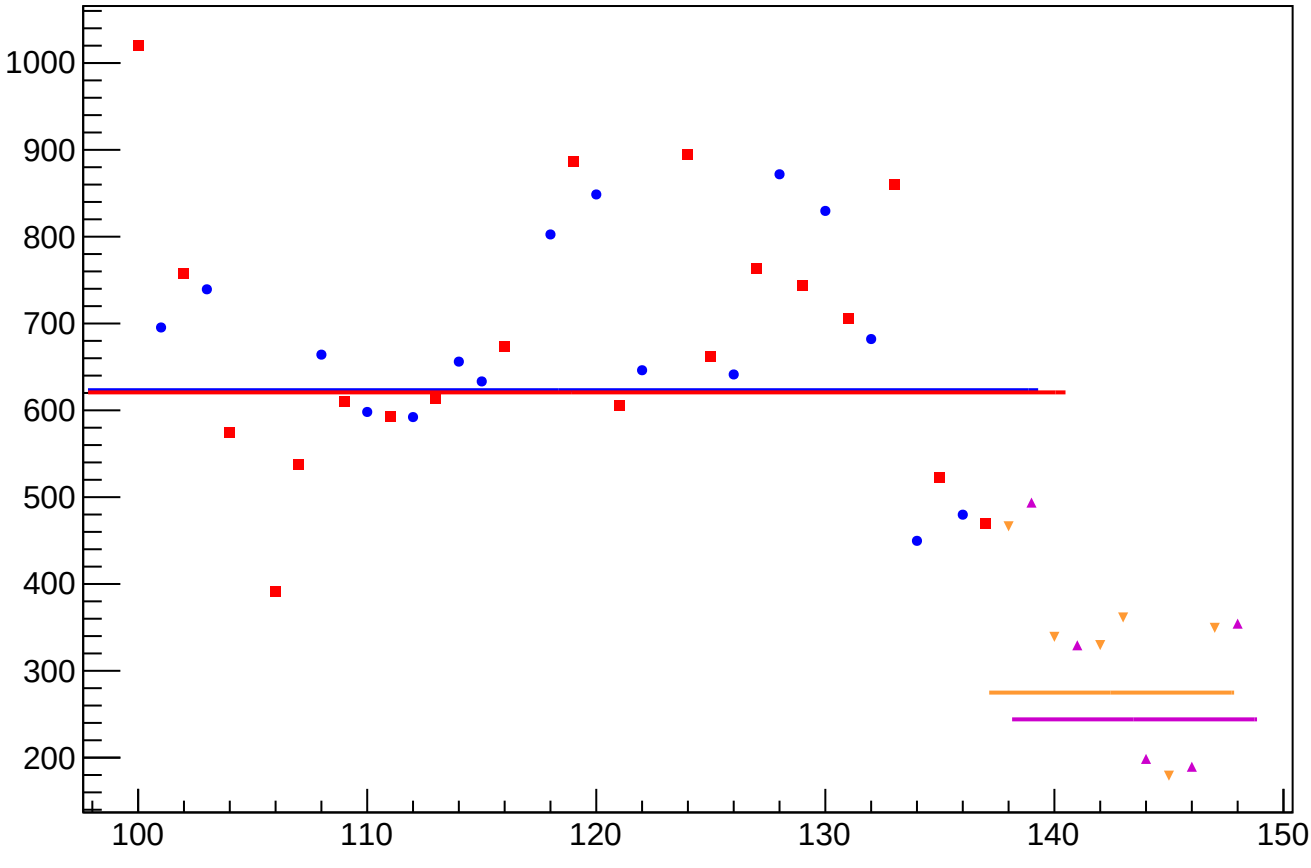
Left: -80.256+/-92.945 χ^2/NDF: 27.8/10

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 22.452+/-111.254 χ^2/NDF:27.5/20

Out: -85.351+/-118.848 χ^2/NDF:43.5/24

All: -27.896+/-81.220 χ^2/NDF: 71.4/45



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 274.914+/-0.098 χ^2/NDF:961510.6/5

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

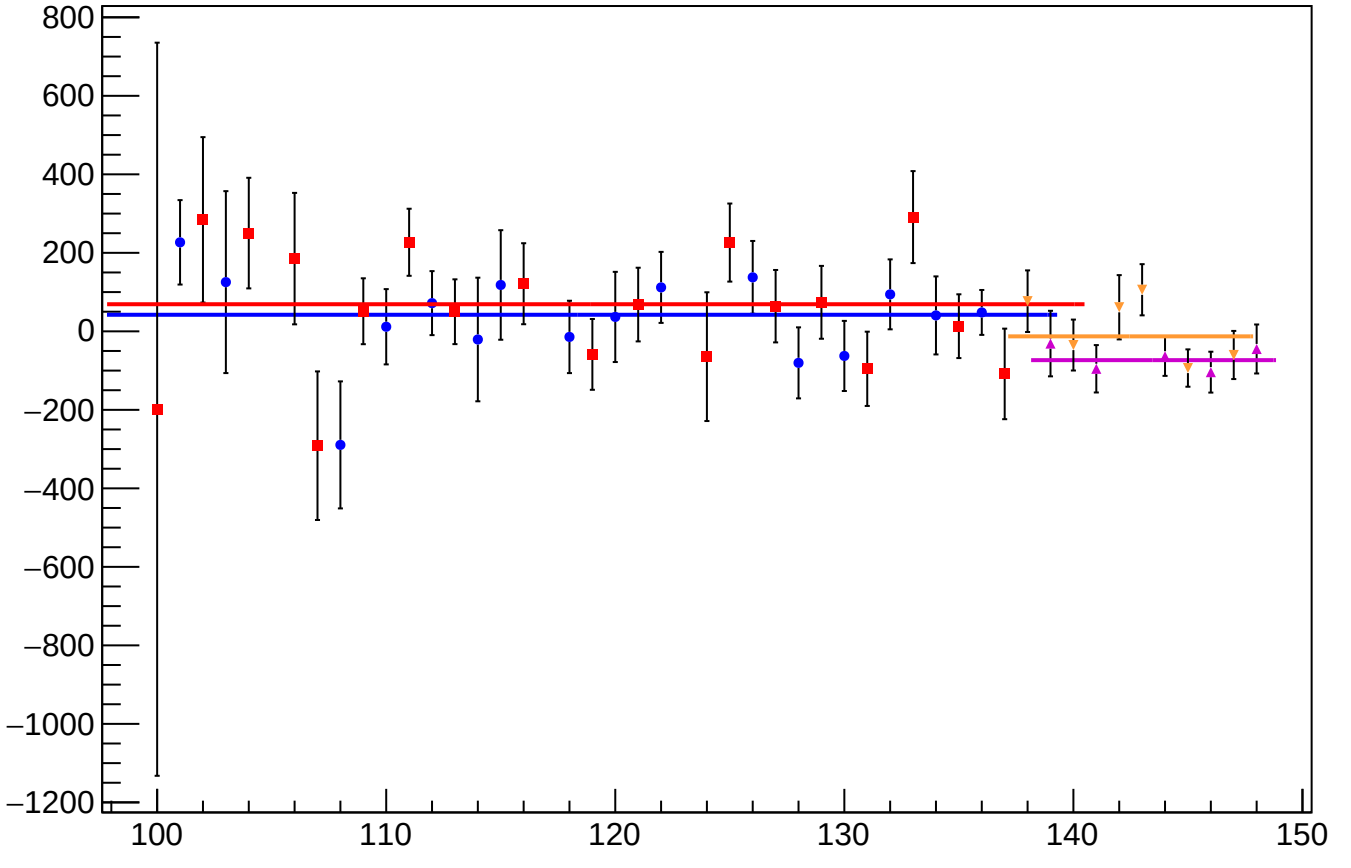
Left: 258.078+/-0.066 χ^2/NDF: 1952193.6/10

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 326.584+/-0.079 χ^2/NDF:5455708.1/20

Out: 364.045+/-0.084 χ^2/NDF:4810793.6/24

All: 344.080+/-0.057 χ^2/NDF: 10372401.7/45



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.793+/-25.889 χ^2/NDF:9.0/5

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -73.379+/-26.314 χ^2/NDF:1.0/4

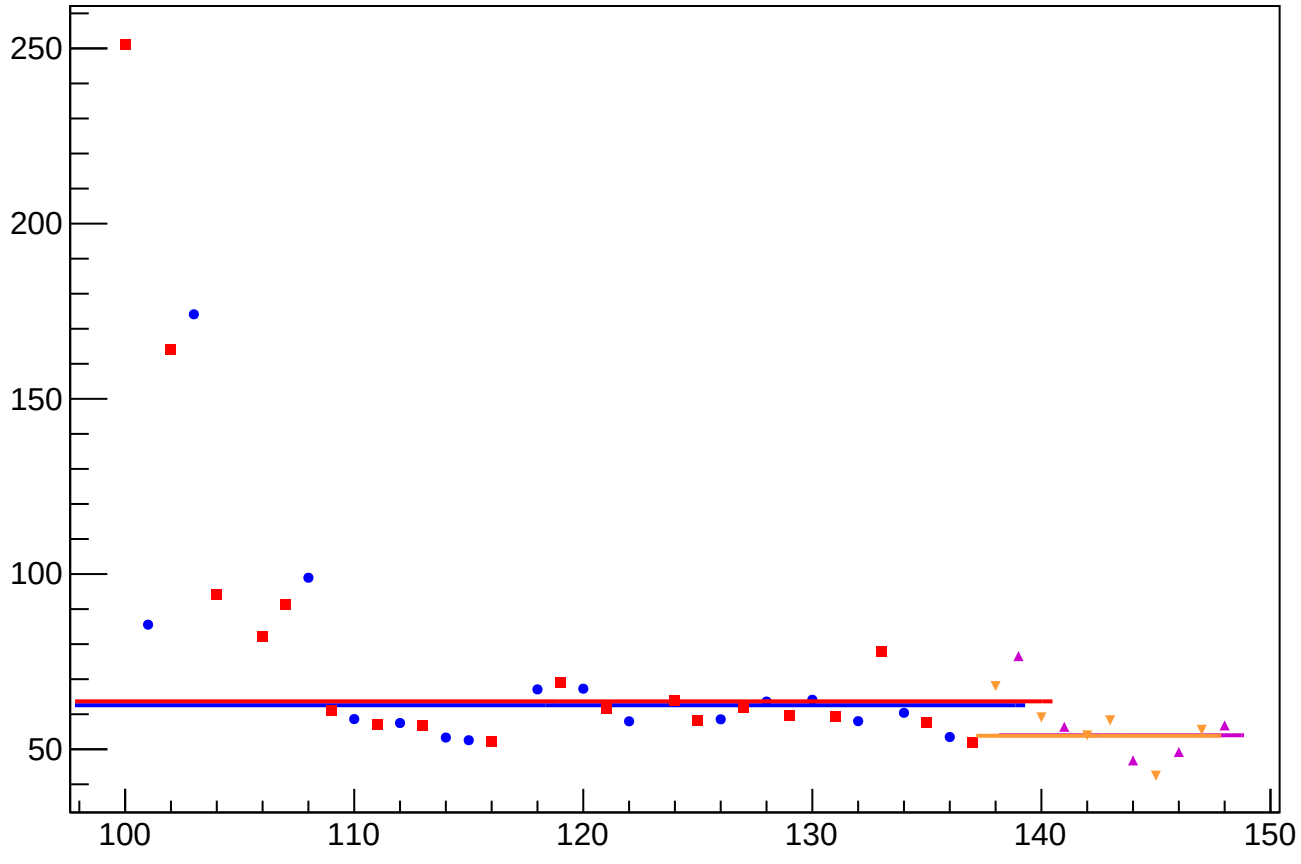
Left: -42.593+/-18.455 χ^2/NDF: 12.7/10

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.770+/-17.815 χ^2/NDF:25.0/20

Out: 30.526+/-17.764 χ^2/NDF:39.6/24

All: 9.938+/-12.579 χ^2/NDF: 67.3/45



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

Left: 53.929+/-0.013 χ^2/NDF: 415168.0/10

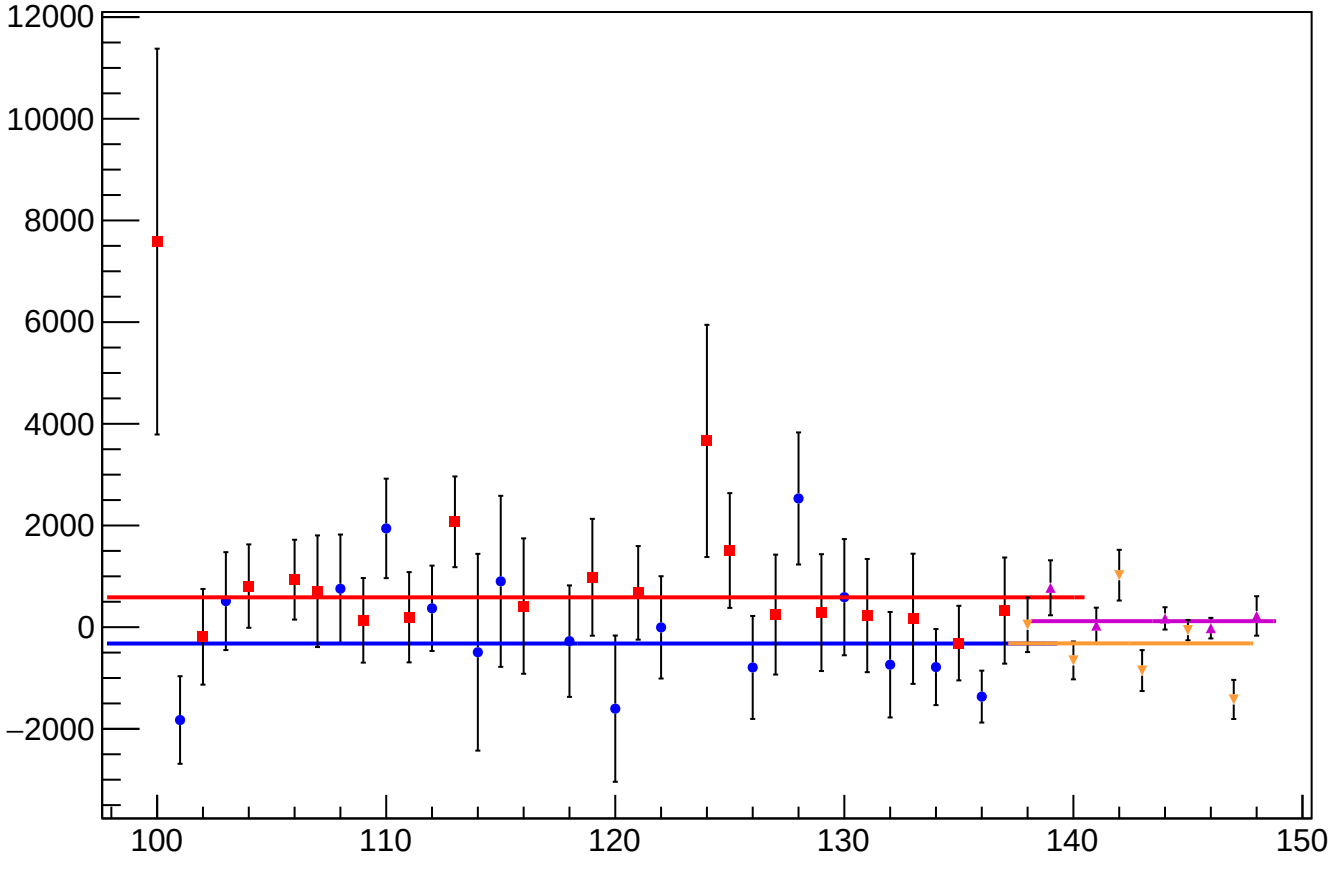
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.638+/-0.013 χ^2/NDF:1085180.8/20

Out: 59.056+/-0.013 χ^2/NDF:1186864.0/24

All: 58.847+/-0.009 χ^2/NDF: 2272598.3/45

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 118.171+/-125.779 χ^2/NDF:2.1/4

Left: -80.256+/-92.945 χ^2/NDF: 27.8/10

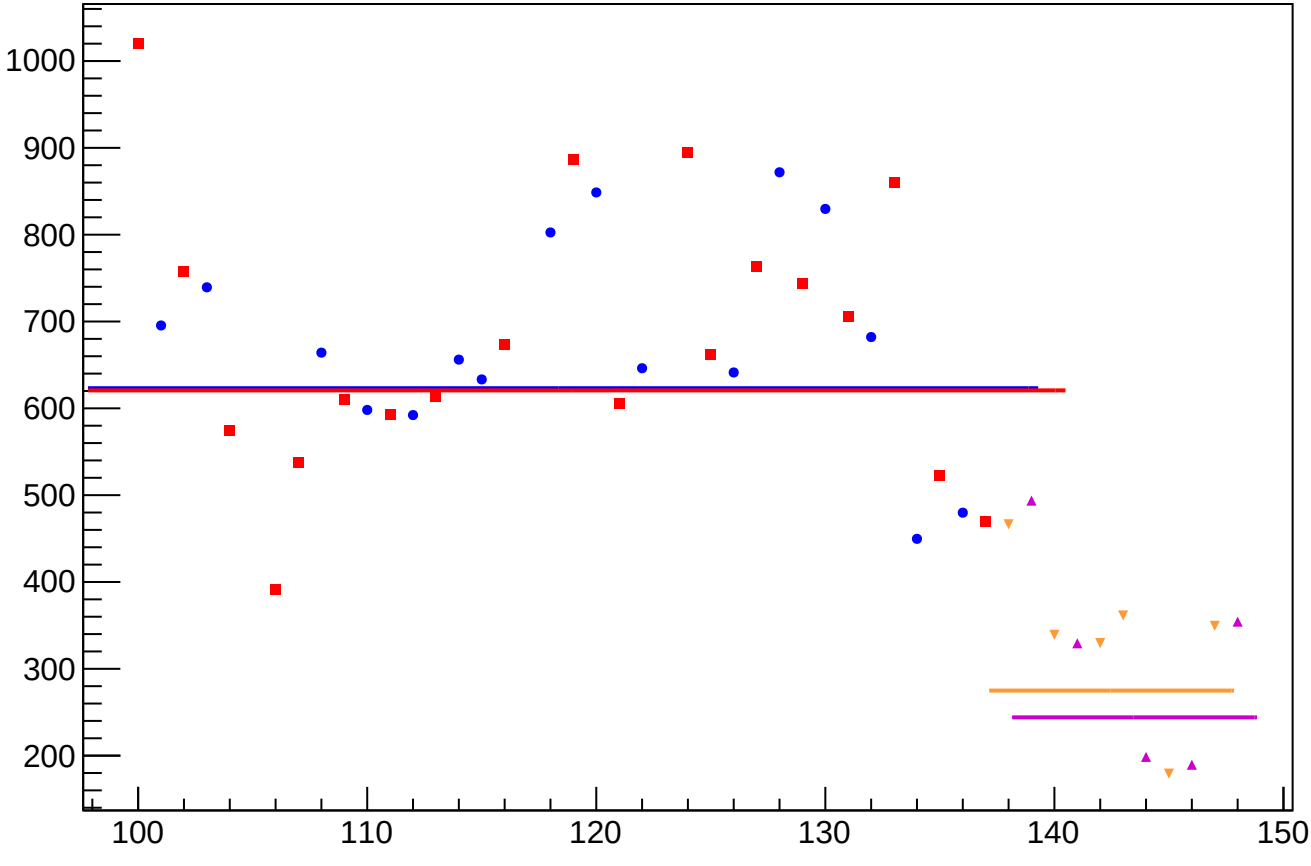
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 22.452+/-111.254 χ^2/NDF:27.5/20

Out: -85.351+/-118.848 χ^2/NDF:43.5/24

All: -27.896+/-81.220 χ^2/NDF: 71.4/45

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: 274.914+/-0.098 χ^2/NDF:961510.6/5

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

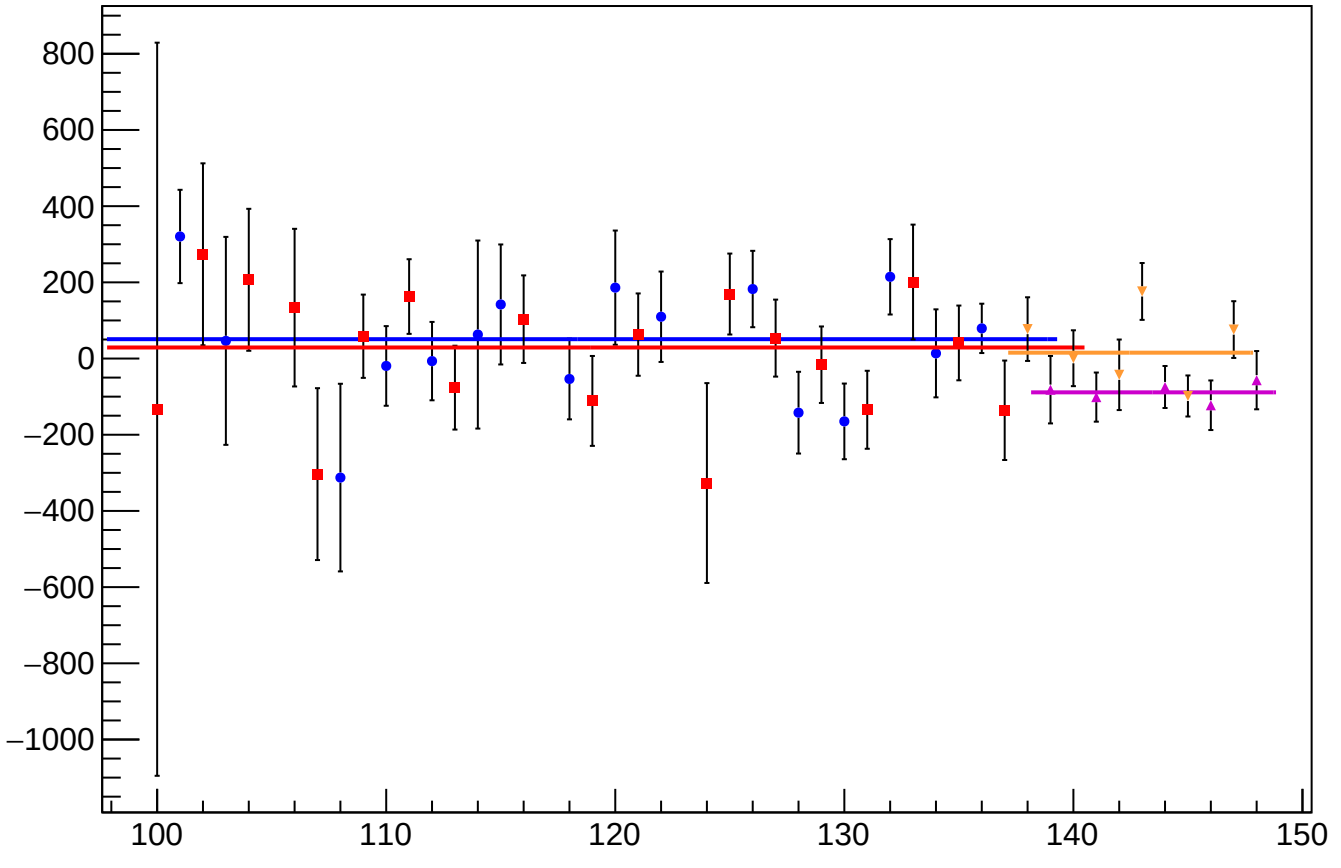
Left: 258.078+/-0.066 χ^2/NDF: 1952193.6/10

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 326.584+/-0.079 χ^2/NDF:5455708.1/20

Out: 364.045+/-0.084 χ^2/NDF:4810793.6/24

All: 344.080+/-0.057 χ^2/NDF: 10372401.7/45



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 15.406+/-29.486 χ^2/NDF:10.7/5

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -88.737+/-30.094 χ^2/NDF:0.6/4

Left: -35.602+/-21.061 χ^2/NDF: 17.4/10

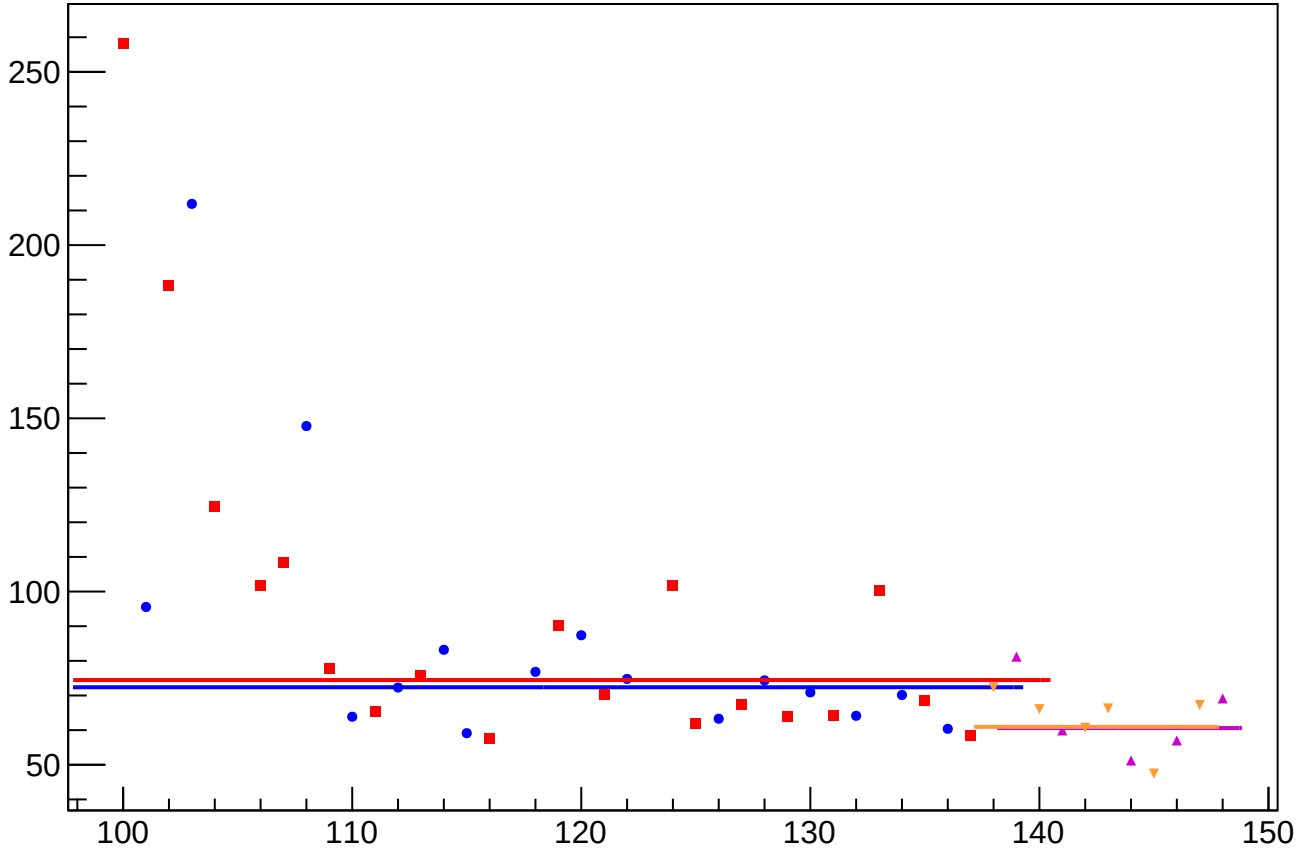
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -14.704+/-20.622 χ^2/NDF:34.8/20

Out: 22.357+/-20.643 χ^2/NDF:29.3/24

All: 3.808+/-14.589 χ^2/NDF: 65.8/45

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.939+/-0.021 χ^2/NDF:197327.7/5

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 60.607+/-0.021 χ^2/NDF:197214.6/4

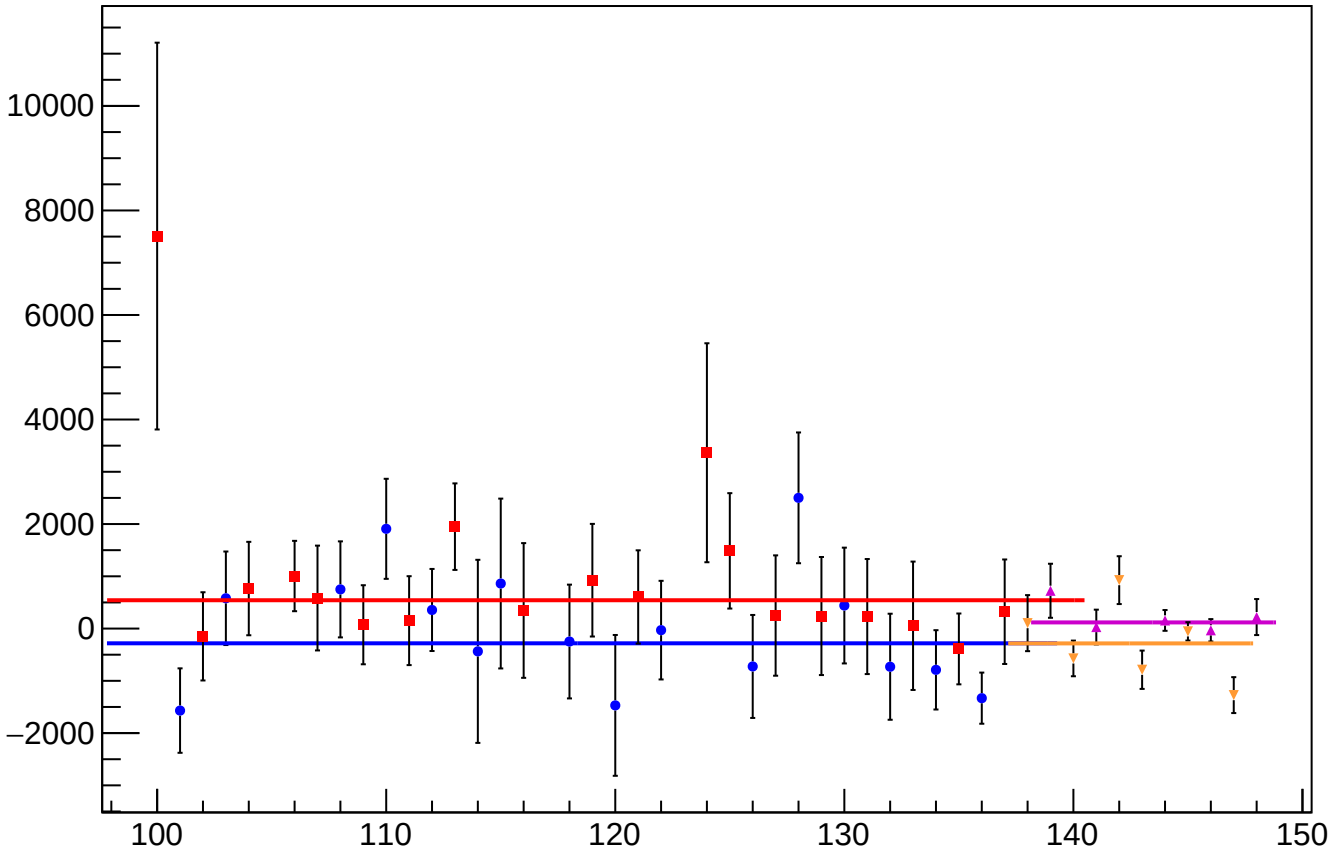
Left: 60.777+/-0.015 χ^2/NDF: 394666.8/10

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.850+/-0.015 χ^2/NDF:1297680.6/20

Out: 67.835+/-0.015 χ^2/NDF:1464150.0/24

All: 67.342+/-0.010 χ^2/NDF: 2764107.0/45



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -283.821+/-123.796 χ^2/NDF:20.1/5

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 117.722+/-120.926 χ^2/NDF:2.1/4

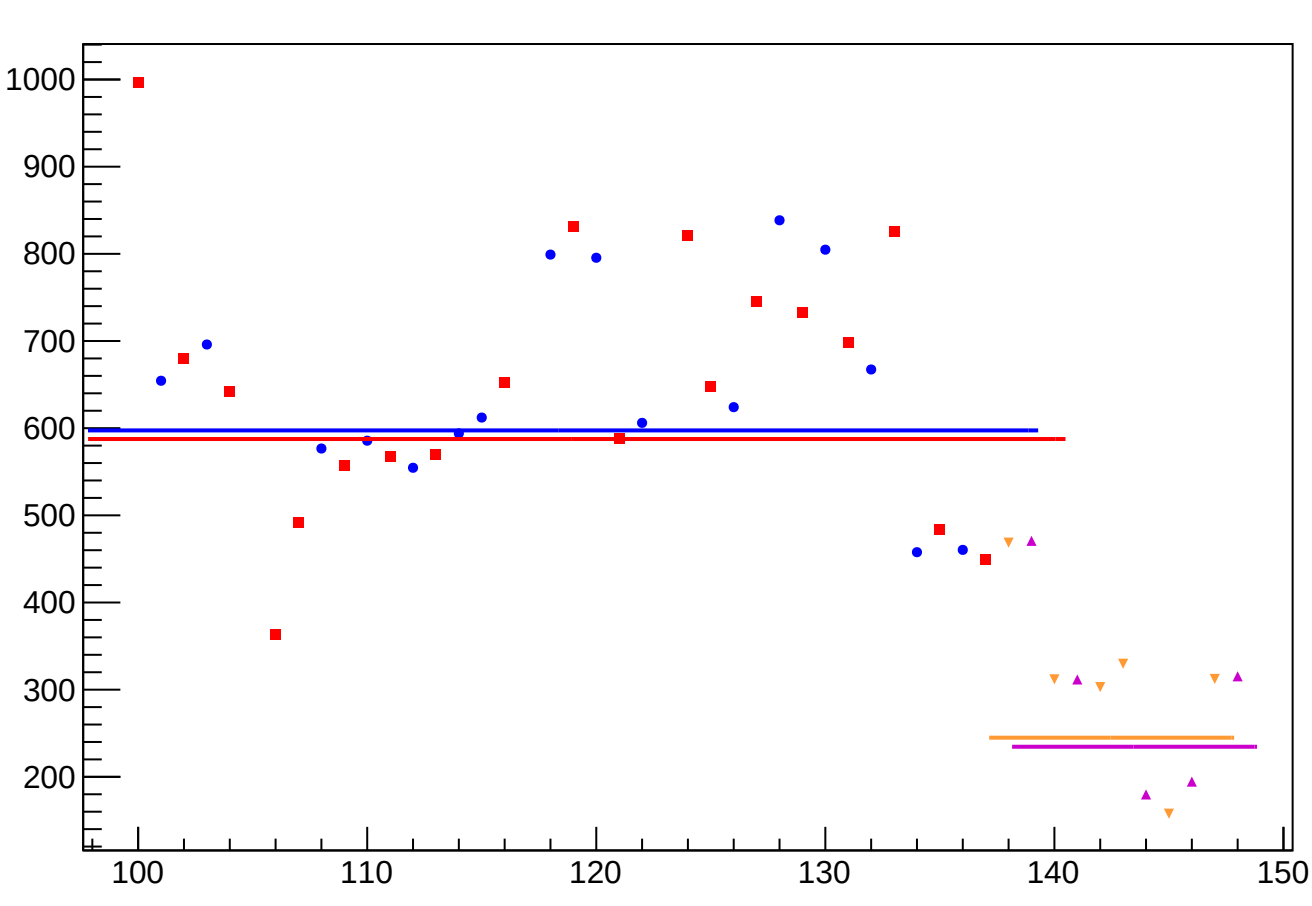
Left: -78.341+/-86.504 χ^2/NDF: 27.6/10

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 29.832+/-106.808 χ^2/NDF:27.3/20

Out: -86.447+/-107.994 χ^2/NDF:44.0/24

All: -27.666+/-75.941 χ^2/NDF: 71.9/45



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 244.921+/-0.088 χ^2/NDF:1135723.2/5

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 234.516+/-0.086 χ^2/NDF:856671.7/4

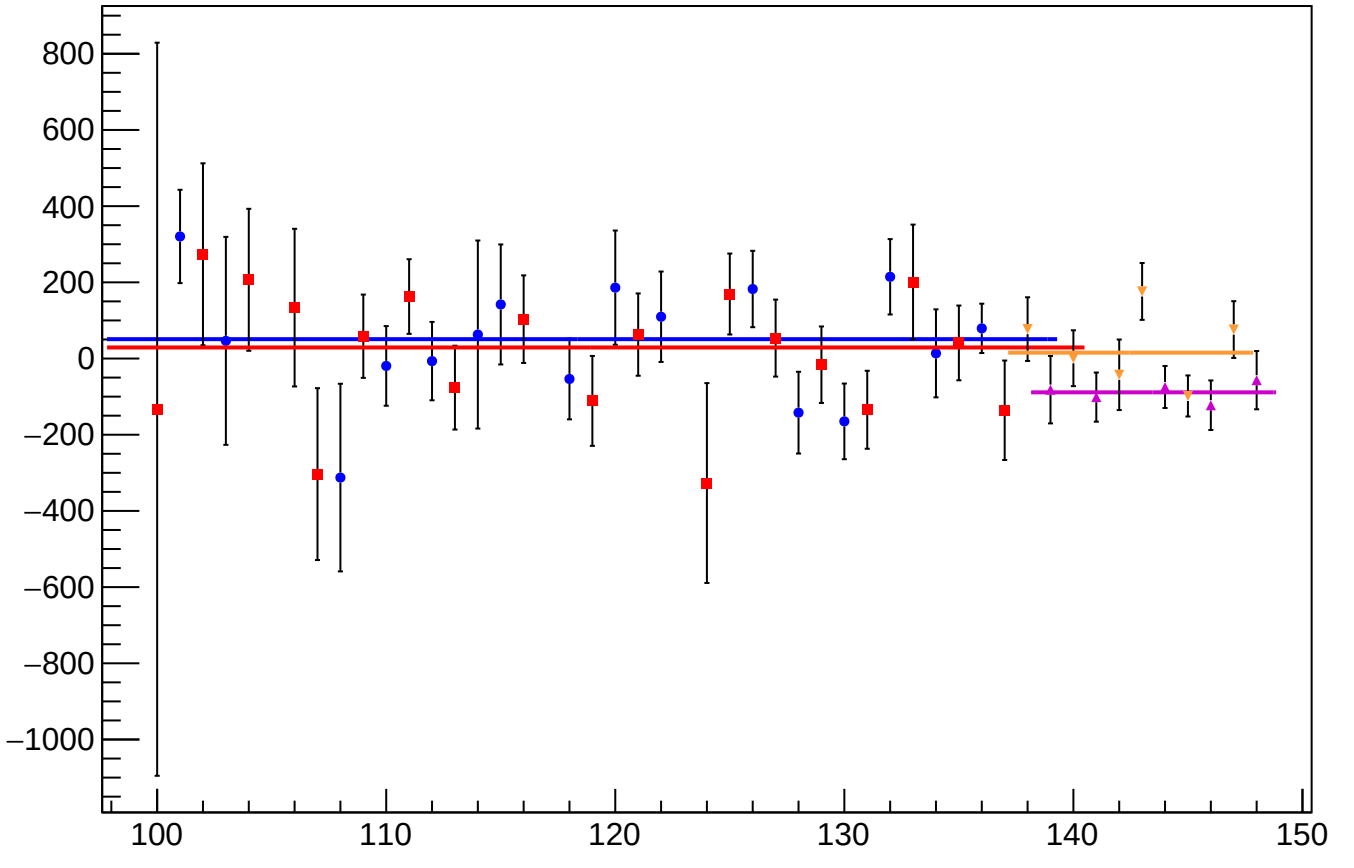
Left: 239.597+/-0.061 χ^2/NDF: 1999624.6/10

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 314.308+/-0.076 χ^2/NDF:5351078.1/20

Out: 326.811+/-0.076 χ^2/NDF:5486567.3/24

All: 320.491+/-0.054 χ^2/NDF: 10851198.5/45



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 15.407+/-29.486 χ^2/NDF:10.7/5

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -88.737+/-30.094 χ^2/NDF:0.6/4

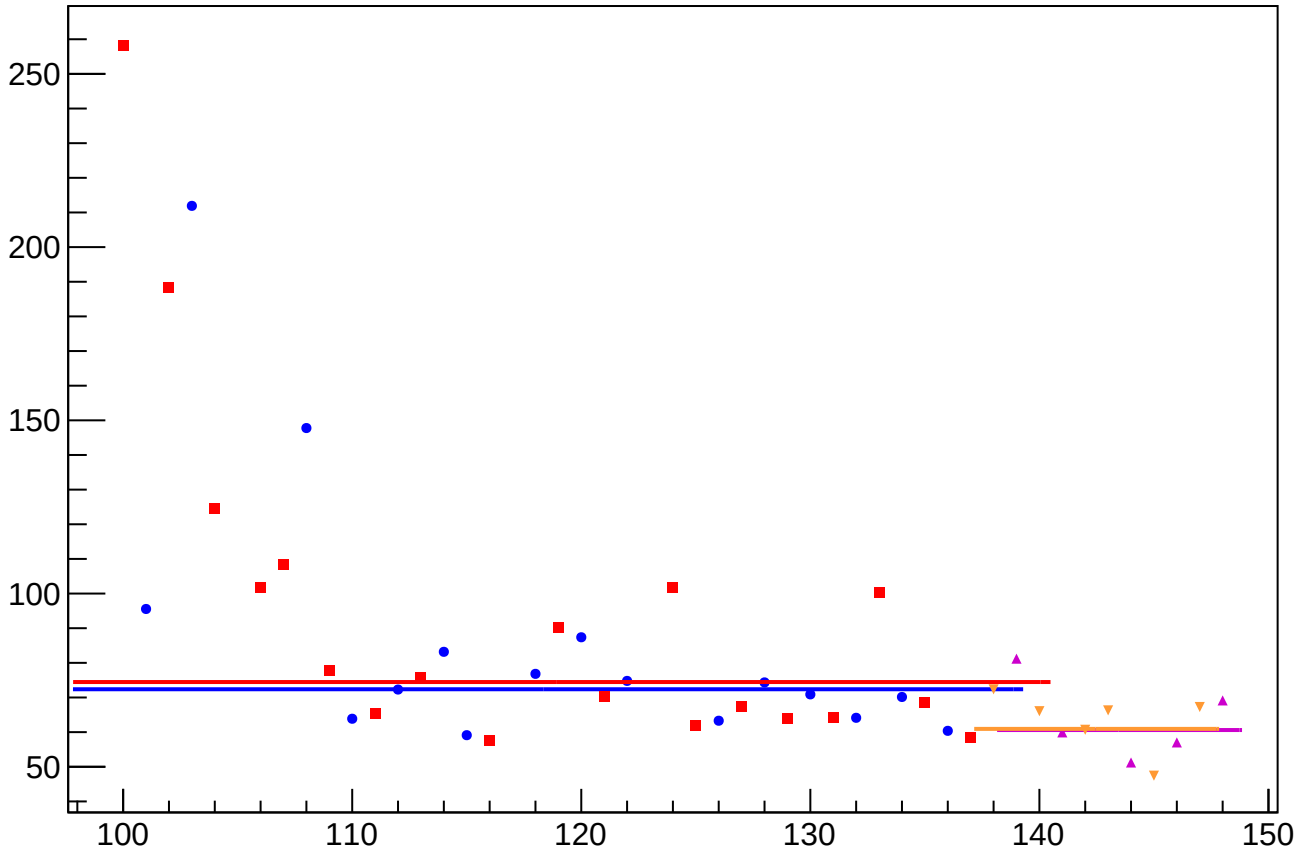
Left: -35.601+/-21.061 χ^2/NDF: 17.4/10

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -14.704+/-20.622 χ^2/NDF:34.8/20

Out: 22.357+/-20.643 χ^2/NDF:29.3/24

All: 3.808+/-14.589 χ^2/NDF: 65.8/45



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.939+/-0.021 χ^2/NDF:197335.9/5

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 60.607+/-0.021 χ^2/NDF:197217.8/4

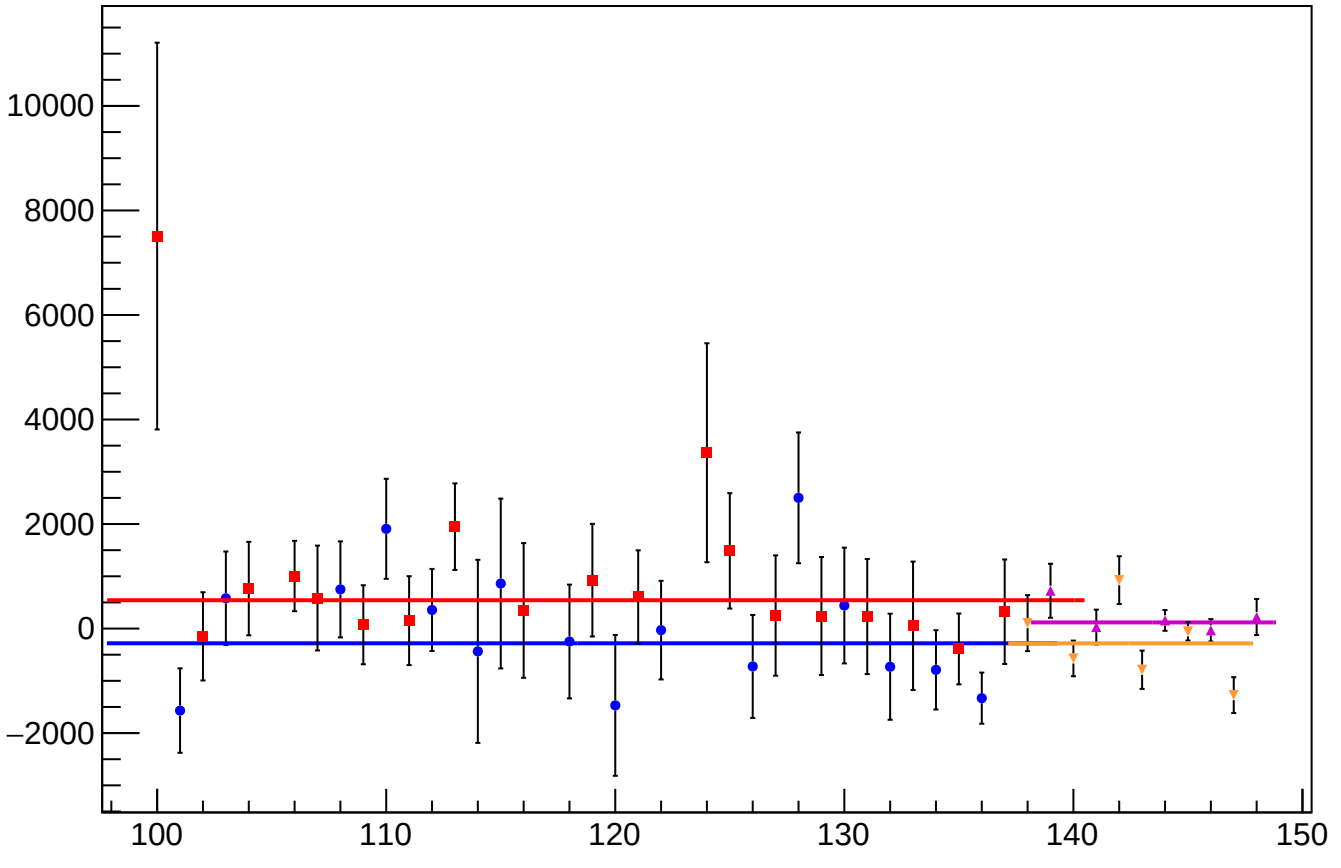
Left: 60.777+/-0.015 χ^2/NDF: 394678.2/10

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.850+/-0.015 χ^2/NDF:1297686.0/20

Out: 67.835+/-0.015 χ^2/NDF:1464147.7/24

All: 67.342+/-0.010 χ^2/NDF: 2764110.6/45



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -283.822+/-123.795 χ^2/NDF:20.1/5

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 117.722+/-120.926 χ^2/NDF:2.1/4

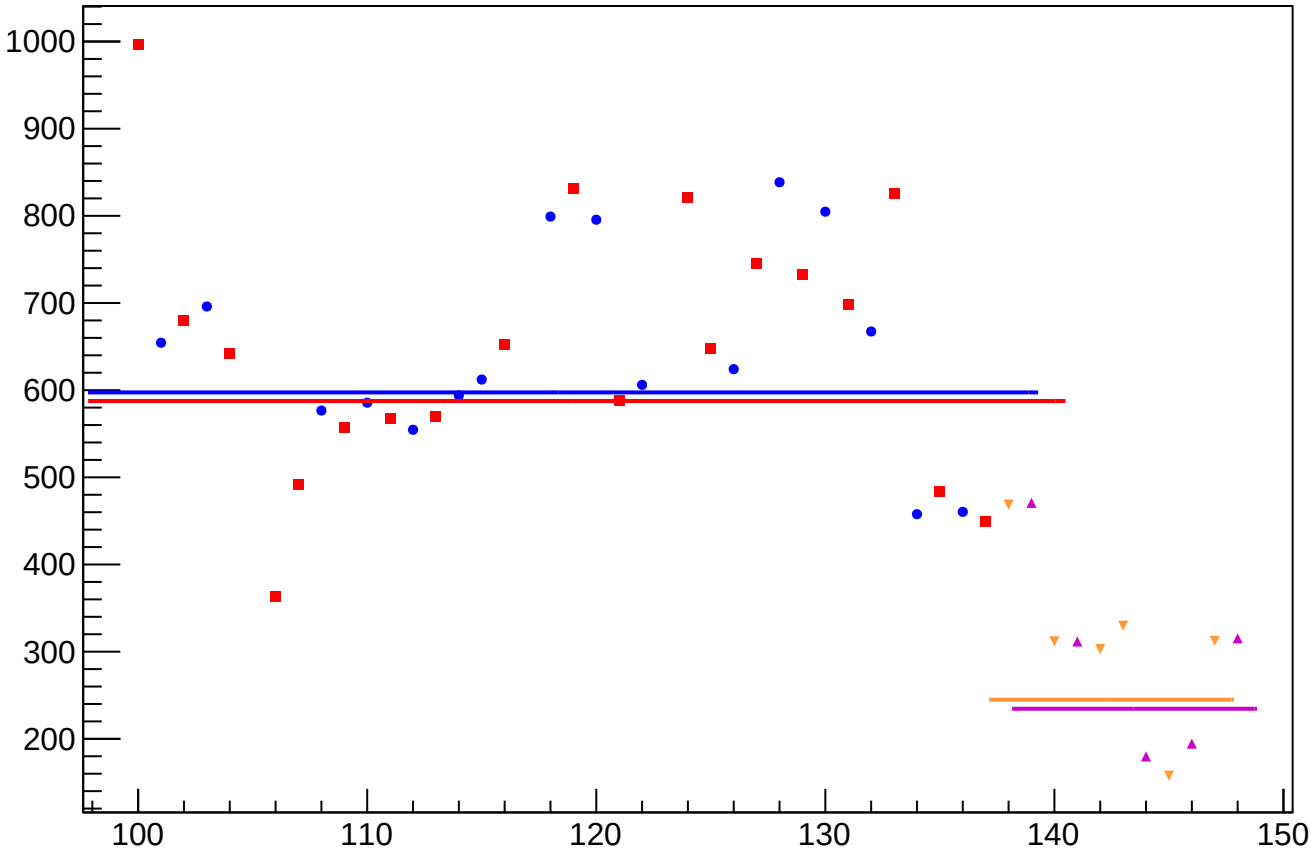
Left: -78.341+/-86.504 χ^2/NDF: 27.6/10

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 29.832+/-106.808 χ^2/NDF:27.3/20

Out: -86.447+/-107.994 χ^2/NDF:44.0/24

All: -27.666+/-75.940 χ^2/NDF: 71.9/45



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 244.921+/-0.088 χ^2/NDF:1135720.1/5

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 234.516+/-0.086 χ^2/NDF:856671.0/4

Left: 239.597+/-0.061 χ^2/NDF: 1999621.0/10

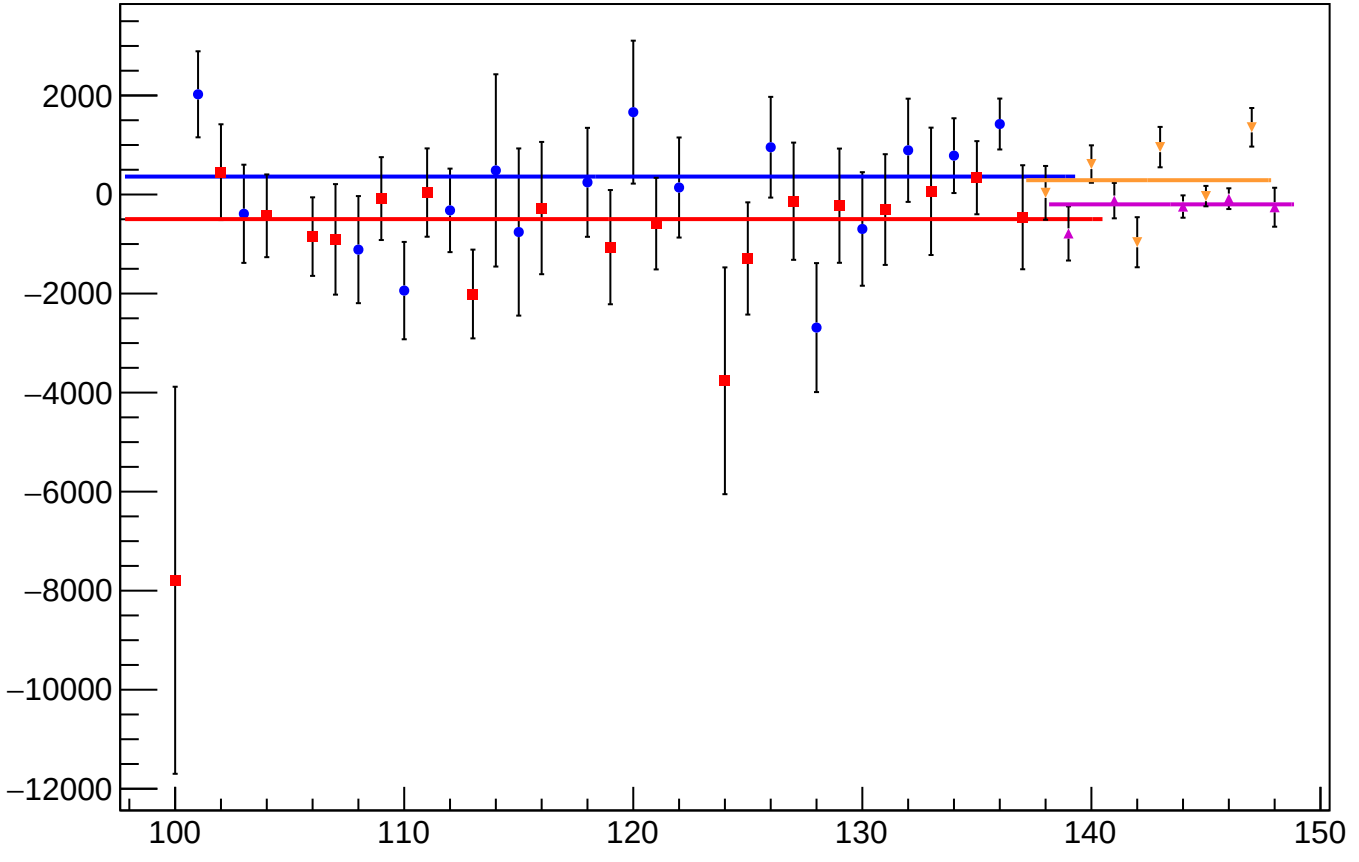
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 314.308+/-0.076 χ^2/NDF:5351083.4/20

Out: 326.811+/-0.076 χ^2/NDF:5486559.4/24

All: 320.491+/-0.054 χ^2/NDF: 10851196.2/45

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 289.093+/-140.771 χ^2/NDF:19.7/5

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -198.703+/-129.074 χ^2/NDF:1.6/4

Left: 24.091+/-95.136 χ^2/NDF: 27.8/10

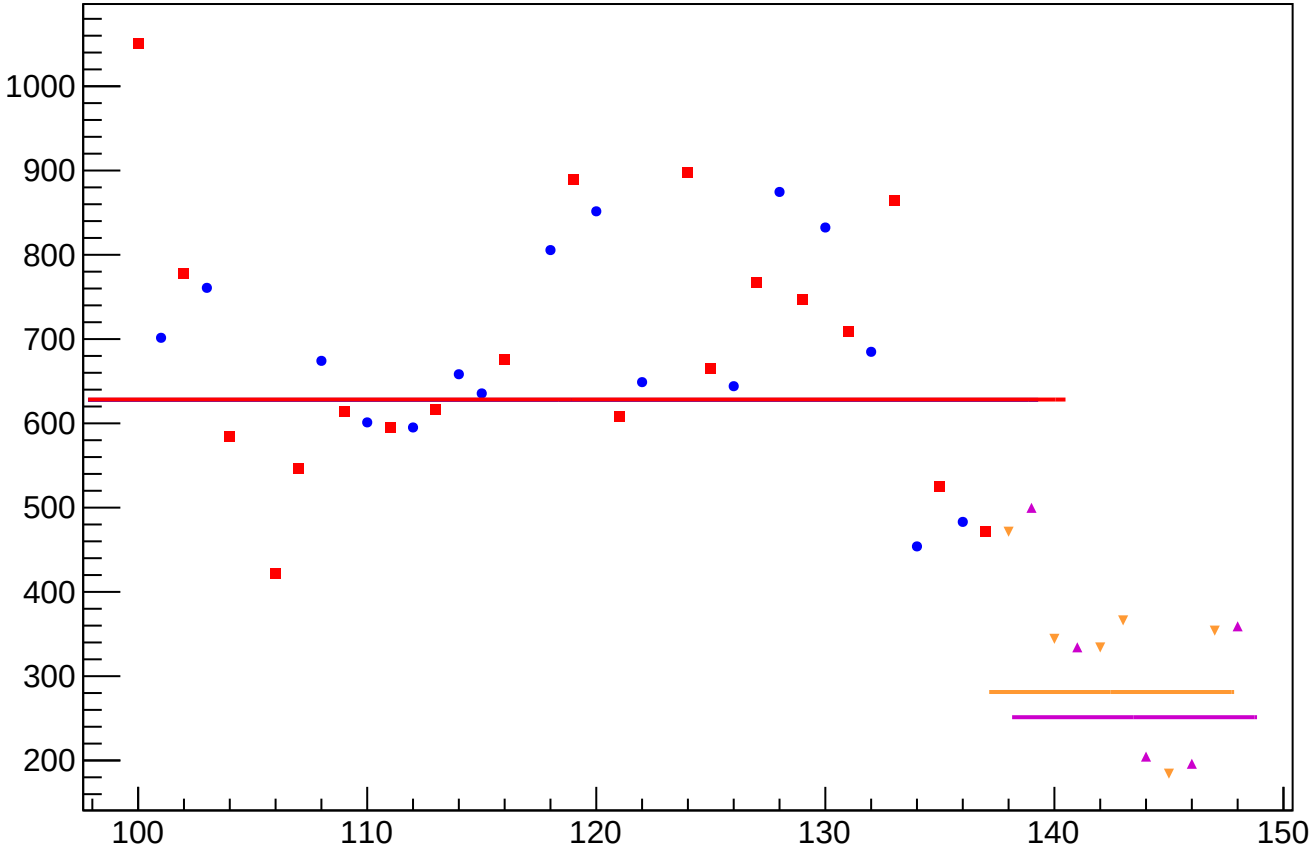
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -73.070+/-113.709 χ^2/NDF:30.8/20

Out: 82.933+/-120.901 χ^2/NDF:40.6/24

All: 0.154+/-82.830 χ^2/NDF: 72.3/45

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 281.223+/-0.100 χ^2/NDF:922130.8/5

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 251.319+/-0.091 χ^2/NDF:895024.9/4

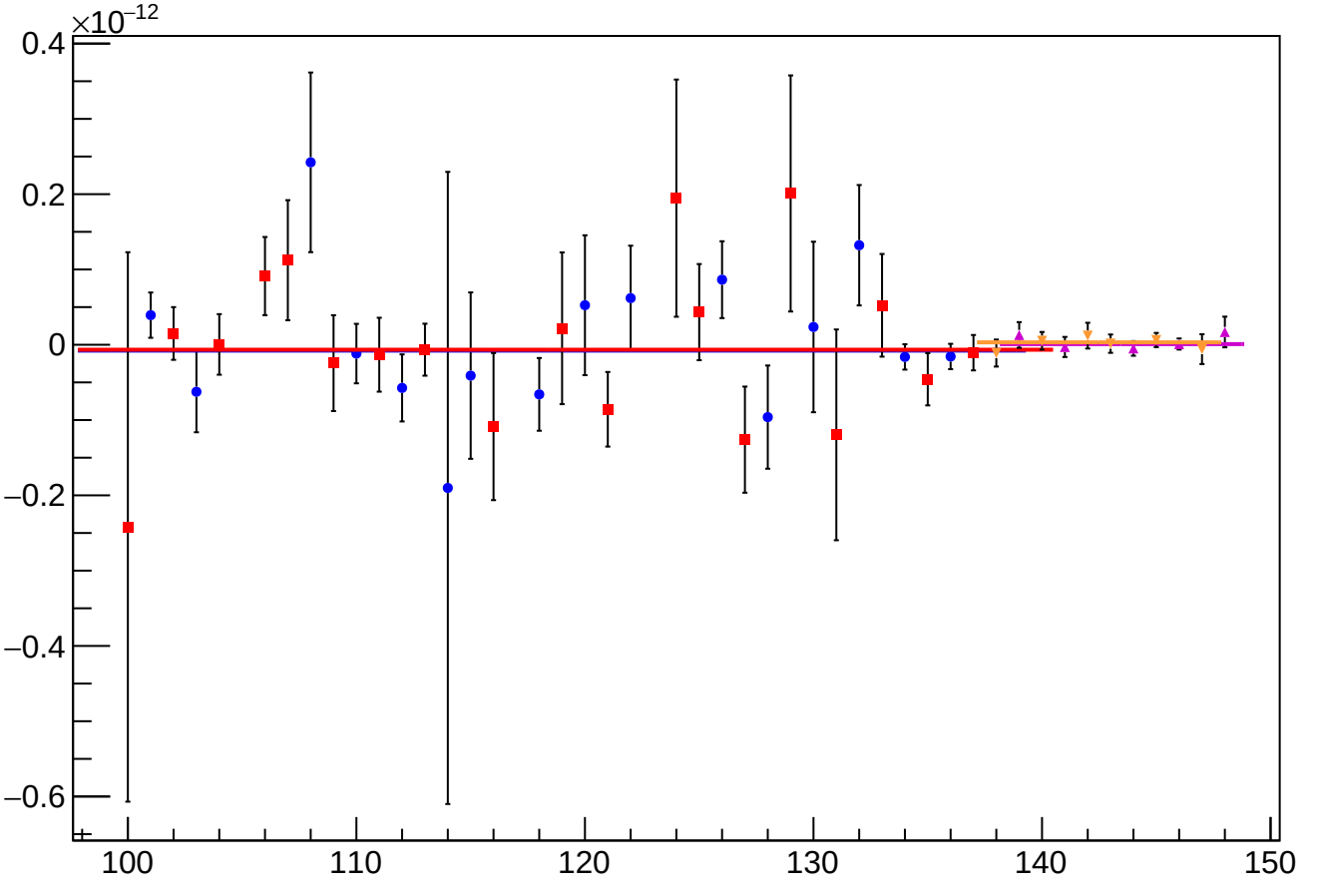
Left: 264.977+/-0.067 χ^2/NDF: 1866185.0/10

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 335.638+/-0.080 χ^2/NDF:5273625.8/20

Out: 372.275+/-0.085 χ^2/NDF:4682155.9/24

All: 352.835+/-0.059 χ^2/NDF: 10053234.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

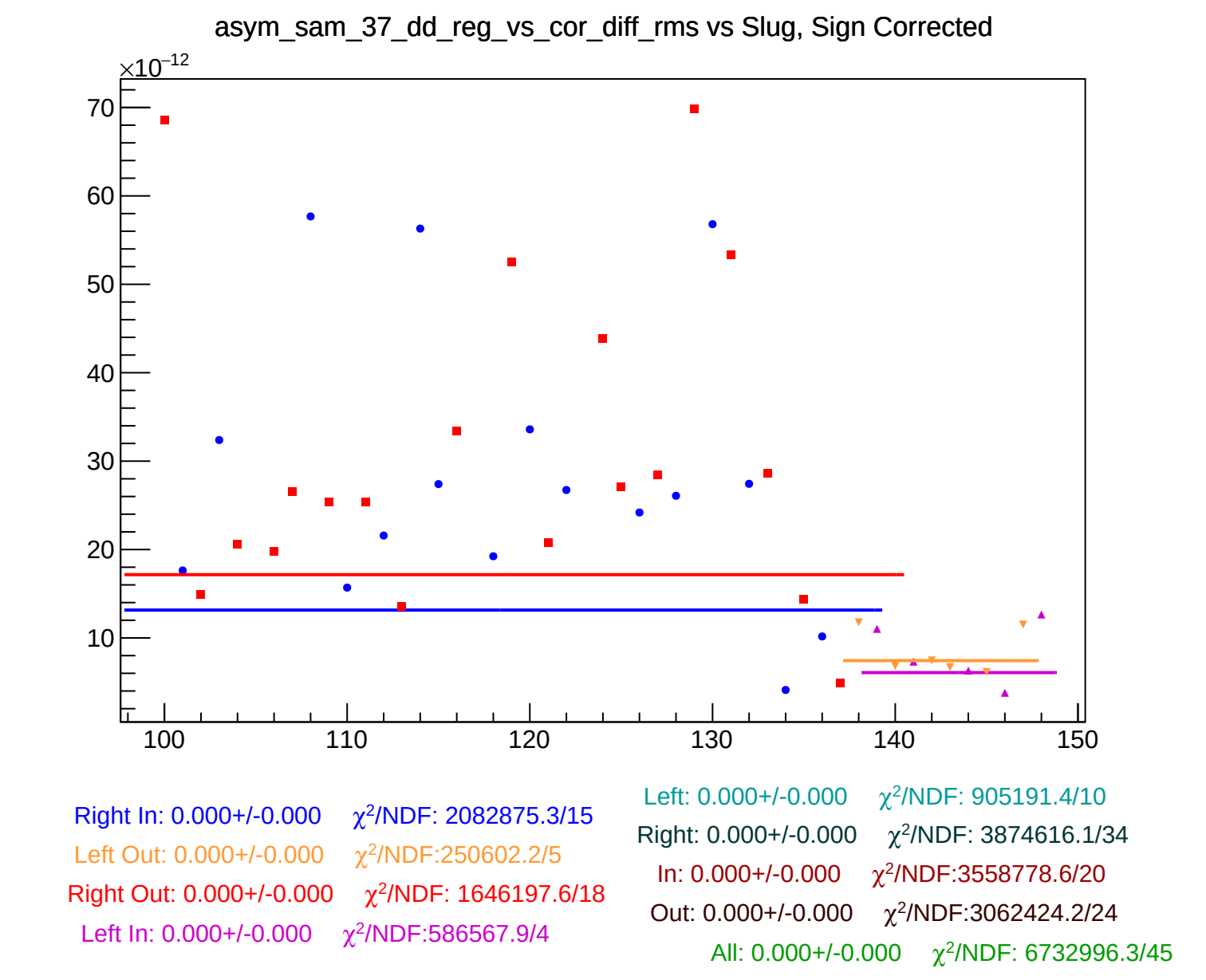
Left: 0.000+/-0.000 χ^2/NDF: 2.9/10

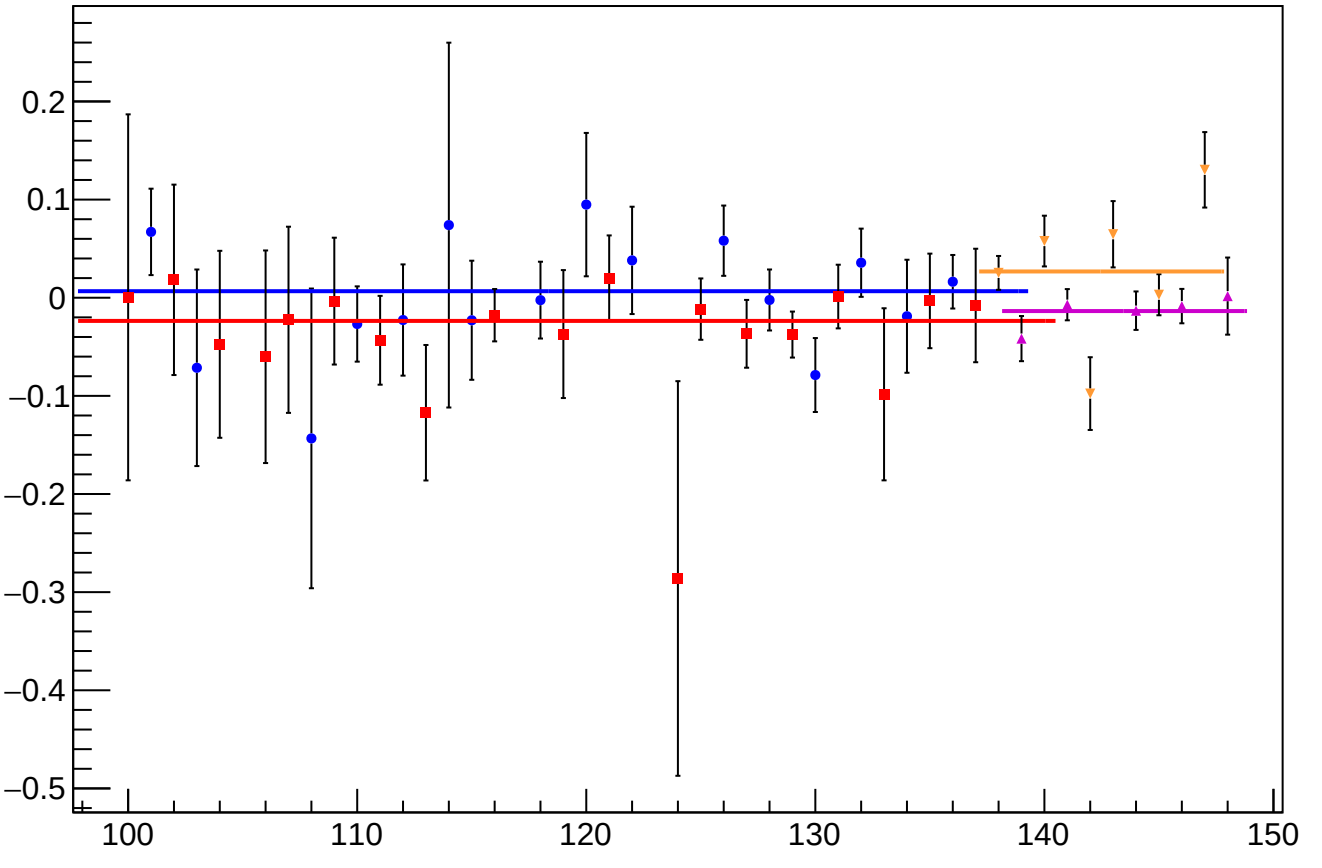
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.2/20

Out: 0.000+/-0.000 χ^2/NDF:21.8/24

All: 0.000+/-0.000 χ^2/NDF: 45.2/45


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:250602.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:586567.9/4
Left: 0.000+/-0.000 χ²/NDF: 905191.4/10
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3558778.6/20
Out: 0.000+/-0.000 χ²/NDF:3062424.2/24
All: 0.000+/-0.000 χ²/NDF: 6732996.3/45



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

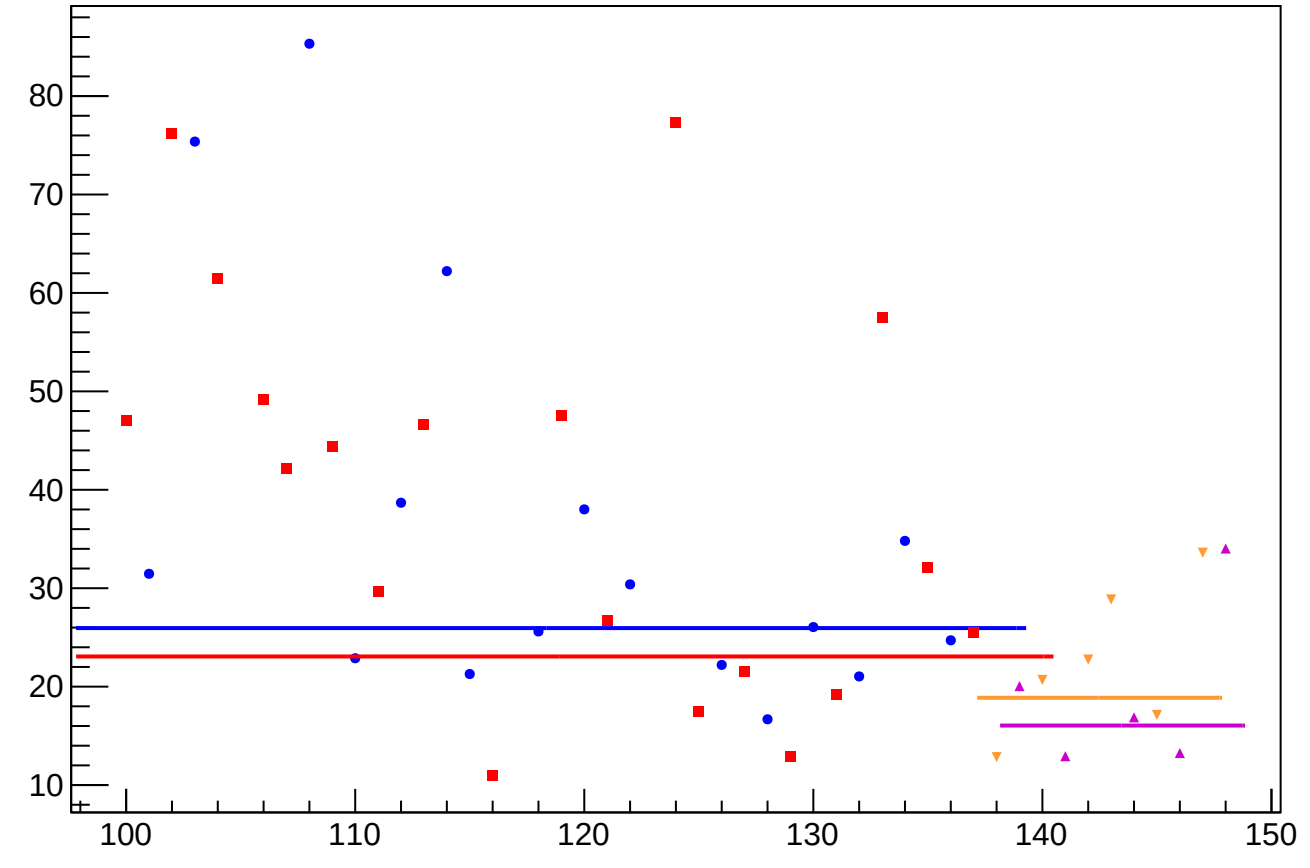
Left: 0.004+/-0.007 χ^2/NDF: 33.1/10

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/45



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 18.870+/-0.007 χ^2/NDF:759305.9/5

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.048+/-0.006 χ^2/NDF:610888.5/4

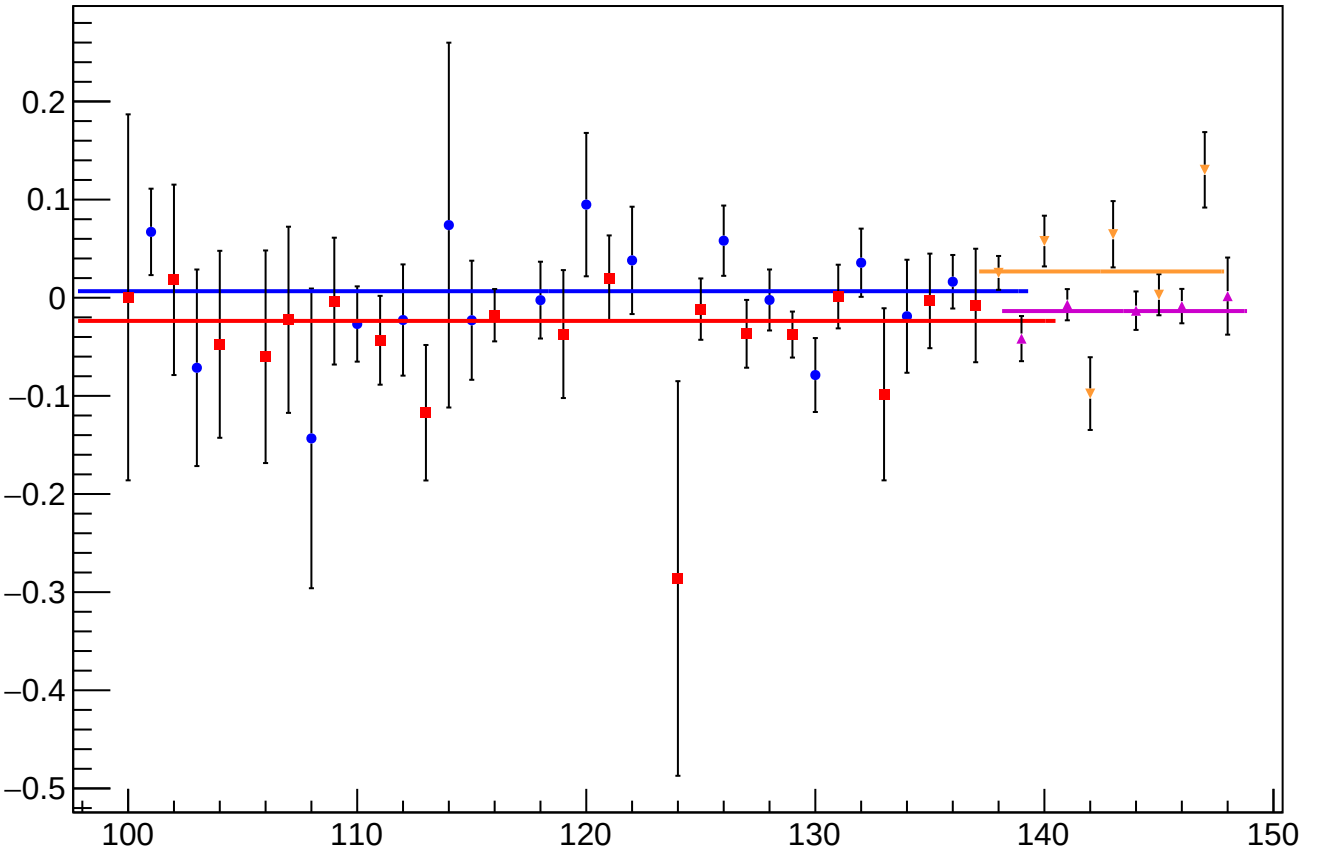
Left: 17.269+/-0.005 χ^2/NDF: 1455360.8/10

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 19.974+/-0.005 χ^2/NDF:2952938.7/20

Out: 20.927+/-0.005 χ^2/NDF:4282781.1/24

All: 20.426+/-0.004 χ^2/NDF: 7253377.7/45



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

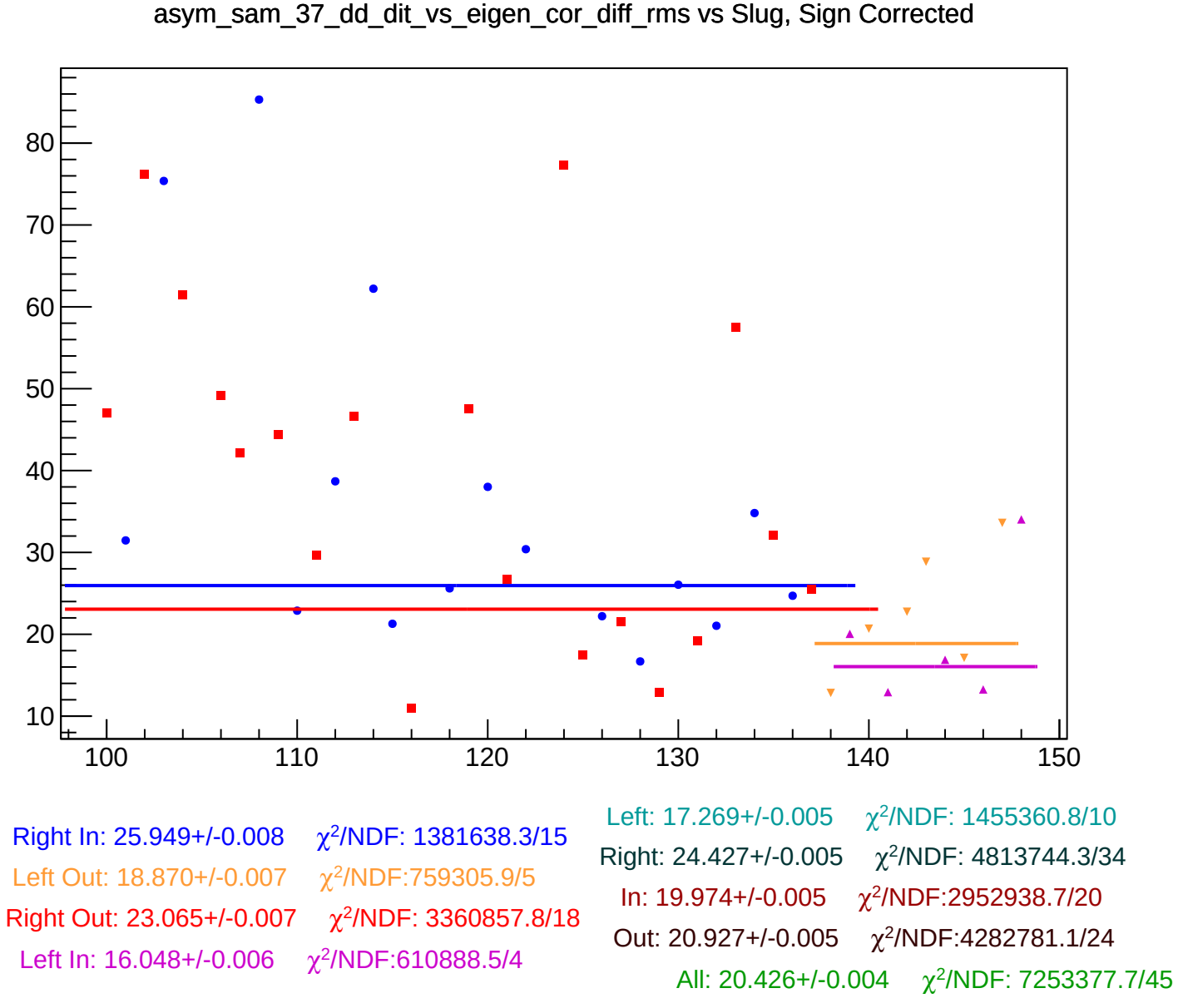
Left: 0.004+/-0.007 χ^2/NDF: 33.1/10

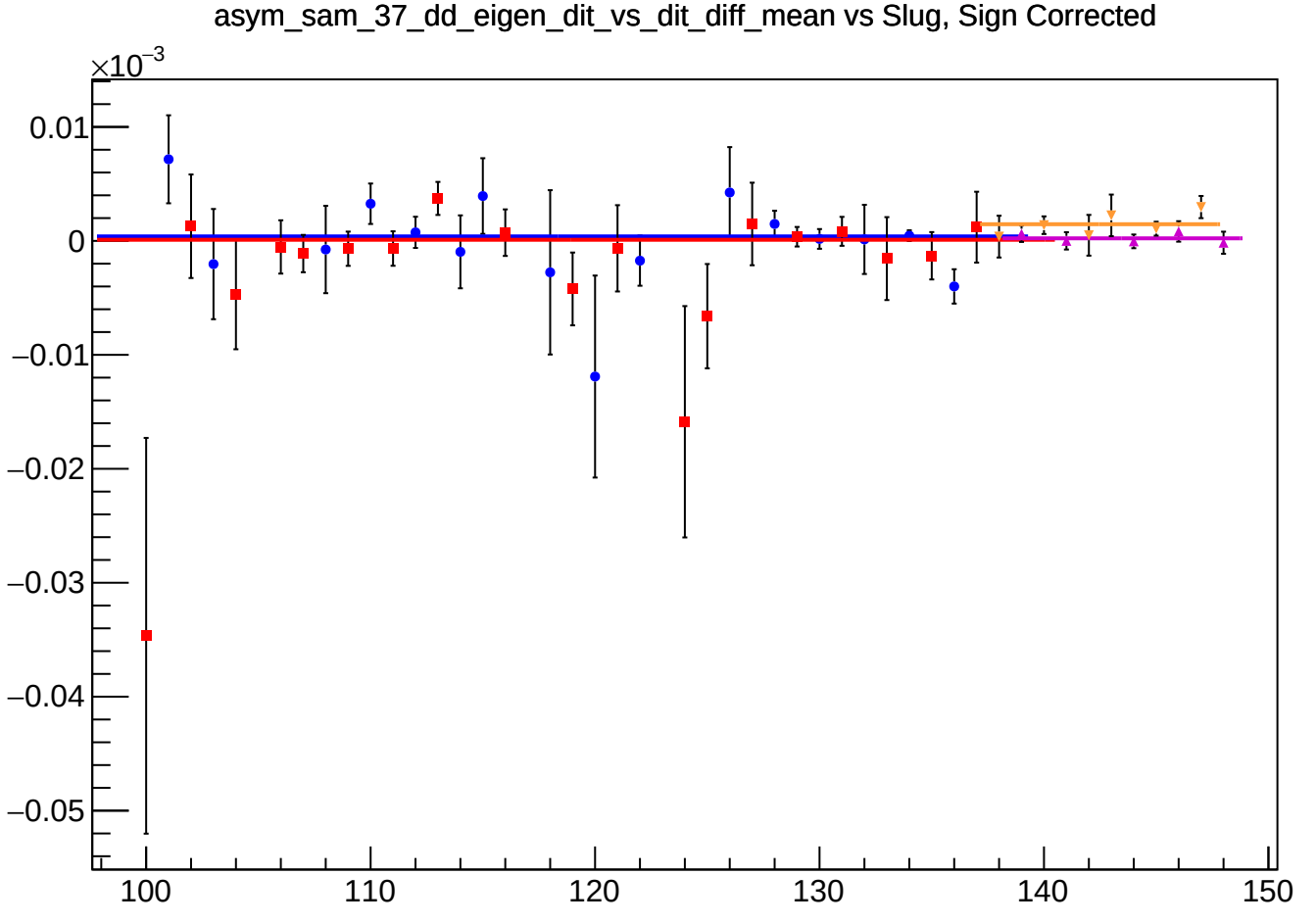
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/45


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 18.870+/-0.007 χ²/NDF:759305.9/5
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 16.048+/-0.006 χ²/NDF:610888.5/4
Left: 17.269+/-0.005 χ²/NDF: 1455360.8/10
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 19.974+/-0.005 χ²/NDF:2952938.7/20
Out: 20.927+/-0.005 χ²/NDF:4282781.1/24
All: 20.426+/-0.004 χ²/NDF: 7253377.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

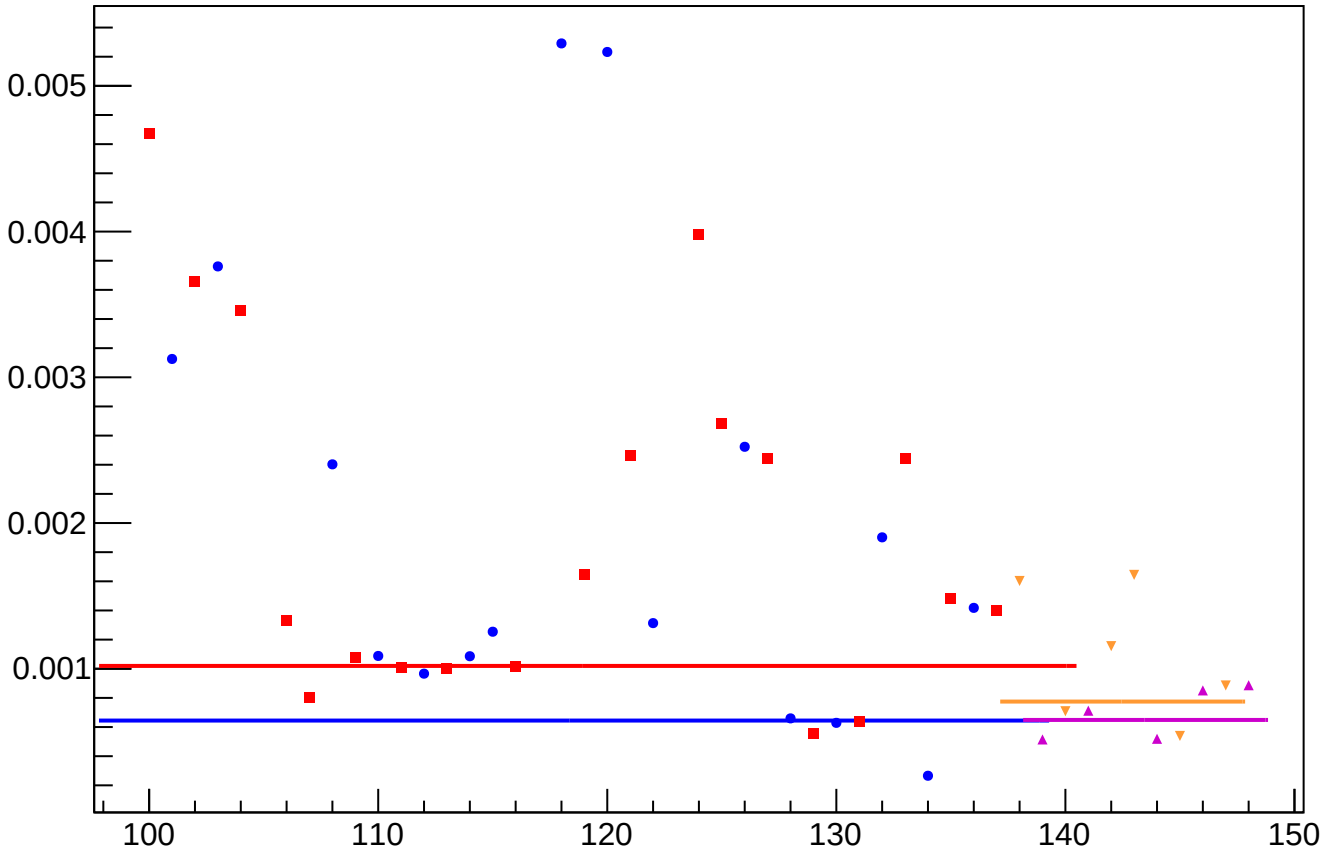
Left: 0.000+/-0.000 χ^2/NDF: 10.5/10

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:22.2/20

Out: 0.000+/-0.000 χ^2/NDF:29.2/24

All: 0.000+/-0.000 χ^2/NDF: 53.5/45



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1289164.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:398043.1/4

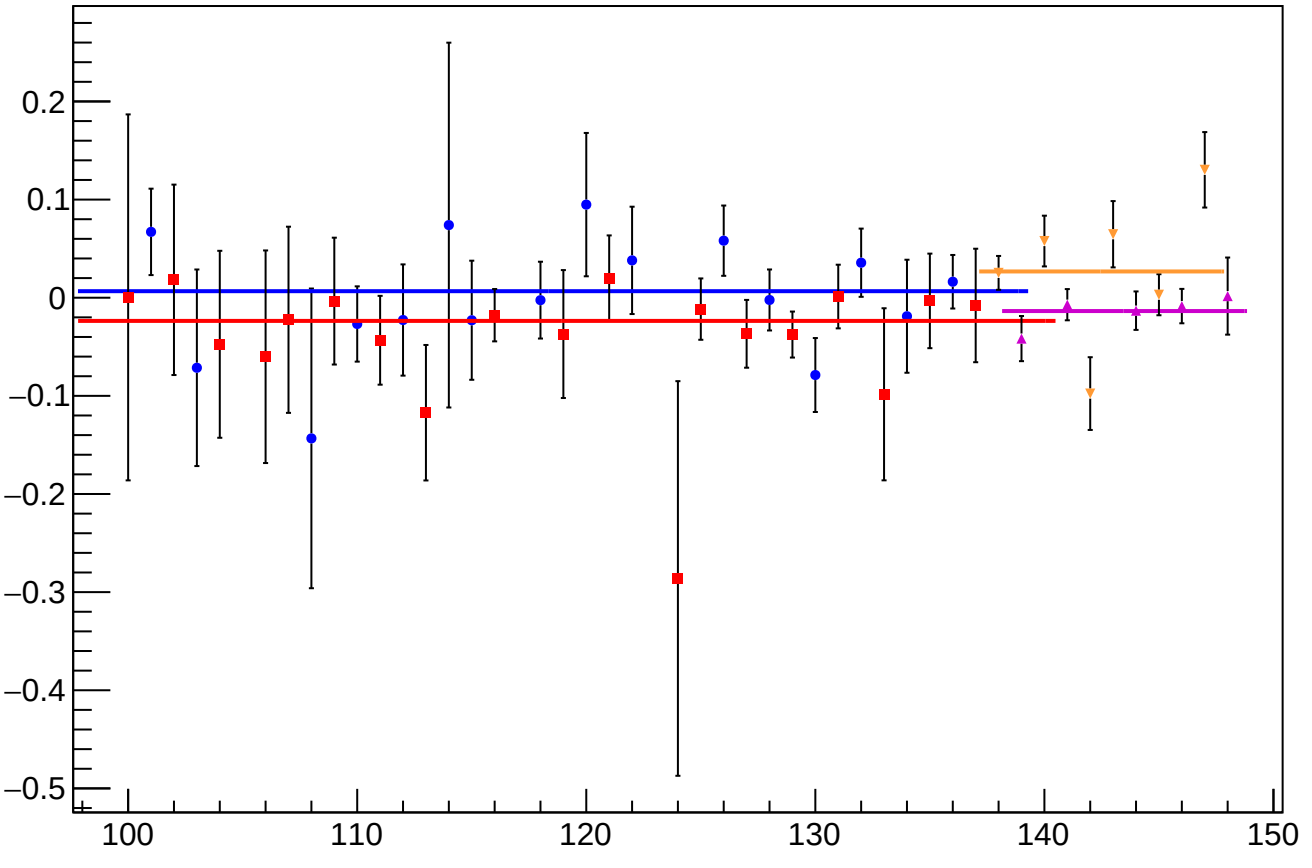
Left: 0.001+/-0.000 χ^2/NDF: 1803717.8/10

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6973849.9/20

Out: 0.001+/-0.000 χ^2/NDF:5283111.5/24

All: 0.001+/-0.000 χ^2/NDF: 13014659.4/45



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

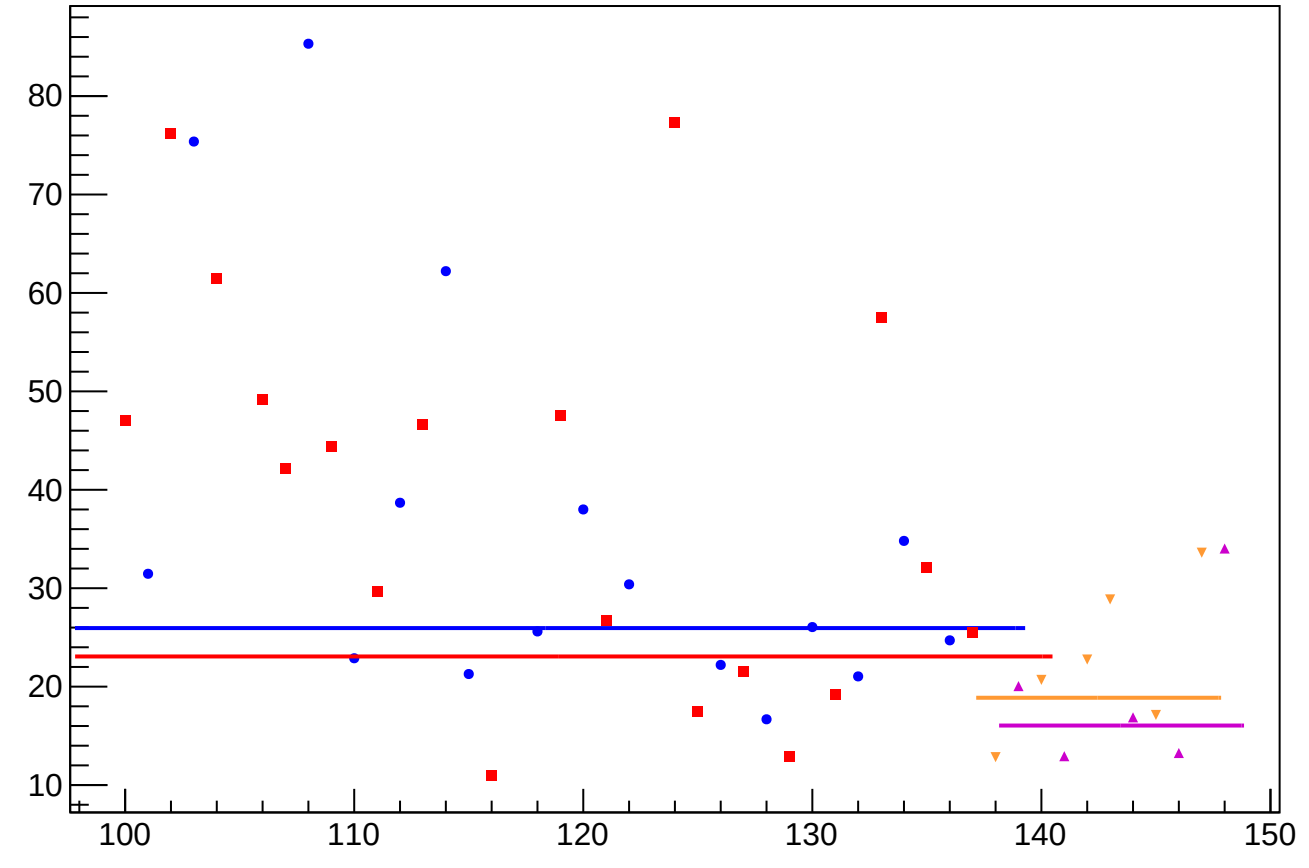
Left: 0.004+/-0.007 χ^2/NDF: 33.1/10

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/45



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 18.871+/-0.007 χ^2/NDF:759299.4/5

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

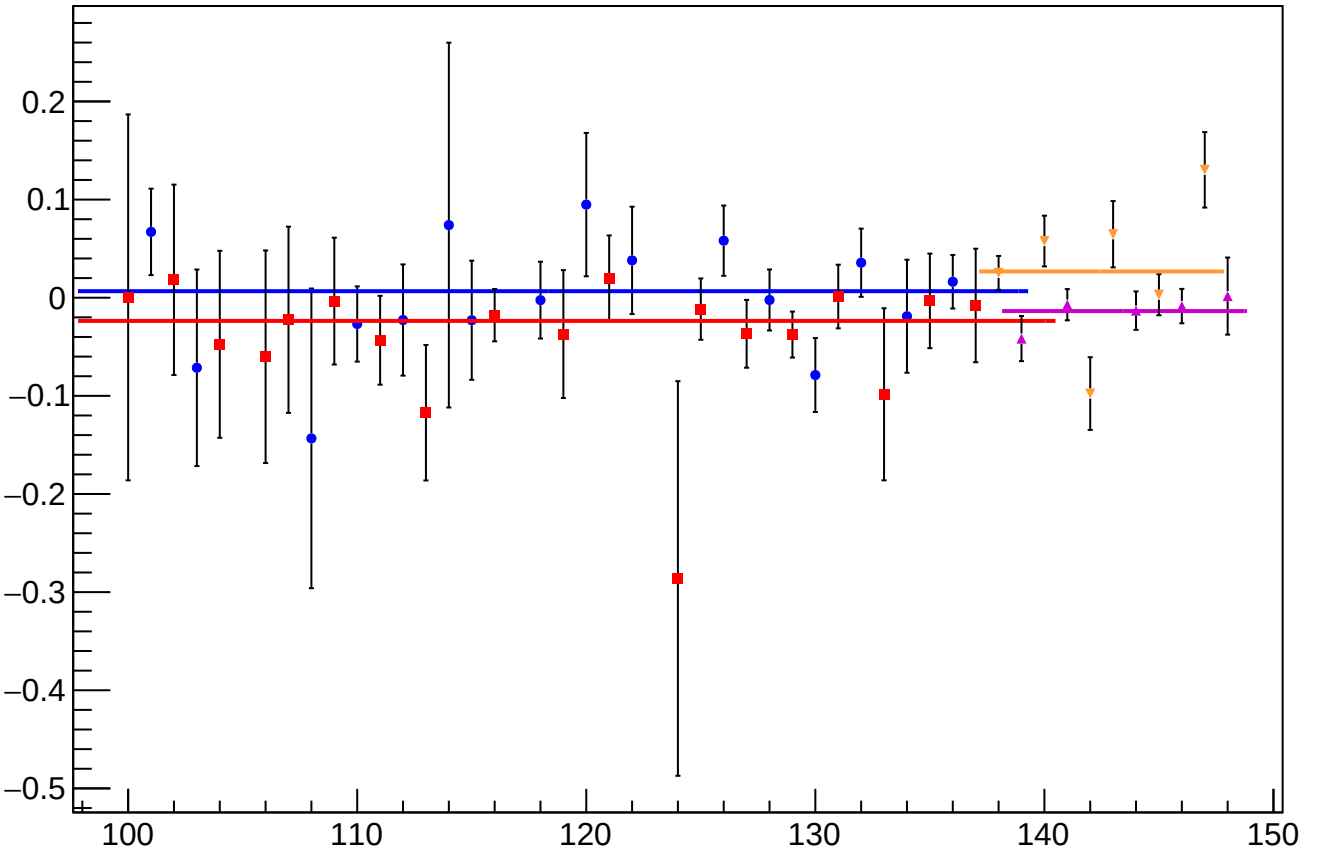
Left: 17.269+/-0.005 χ^2/NDF: 1455354.6/10

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.974+/-0.005 χ^2/NDF:2952921.2/20

Out: 20.928+/-0.005 χ^2/NDF:4282608.9/24

All: 20.427+/-0.004 χ^2/NDF: 7253200.0/45



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

Left: 0.004+/-0.007 χ^2/NDF: 33.1/10

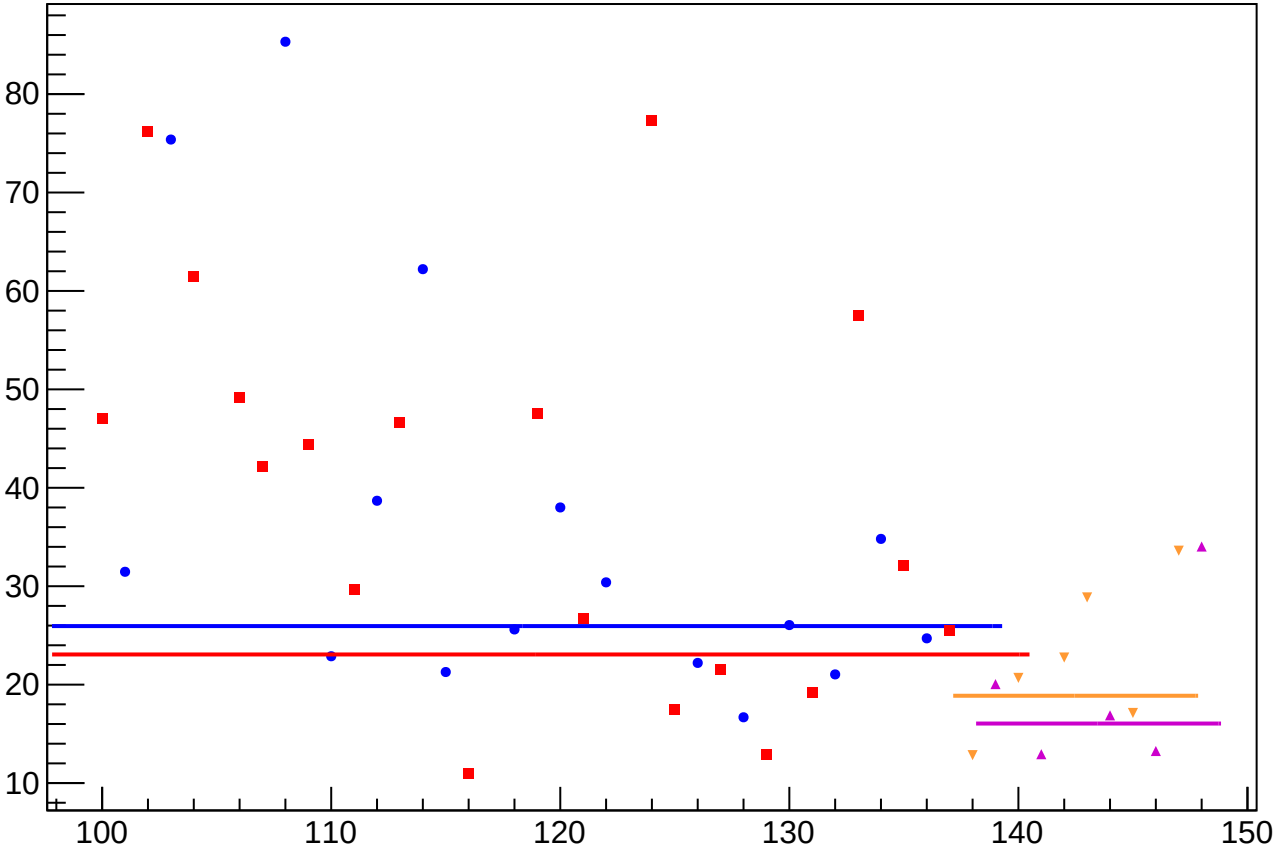
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/45

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: 18.871+/-0.007 χ^2/NDF:759299.4/5

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

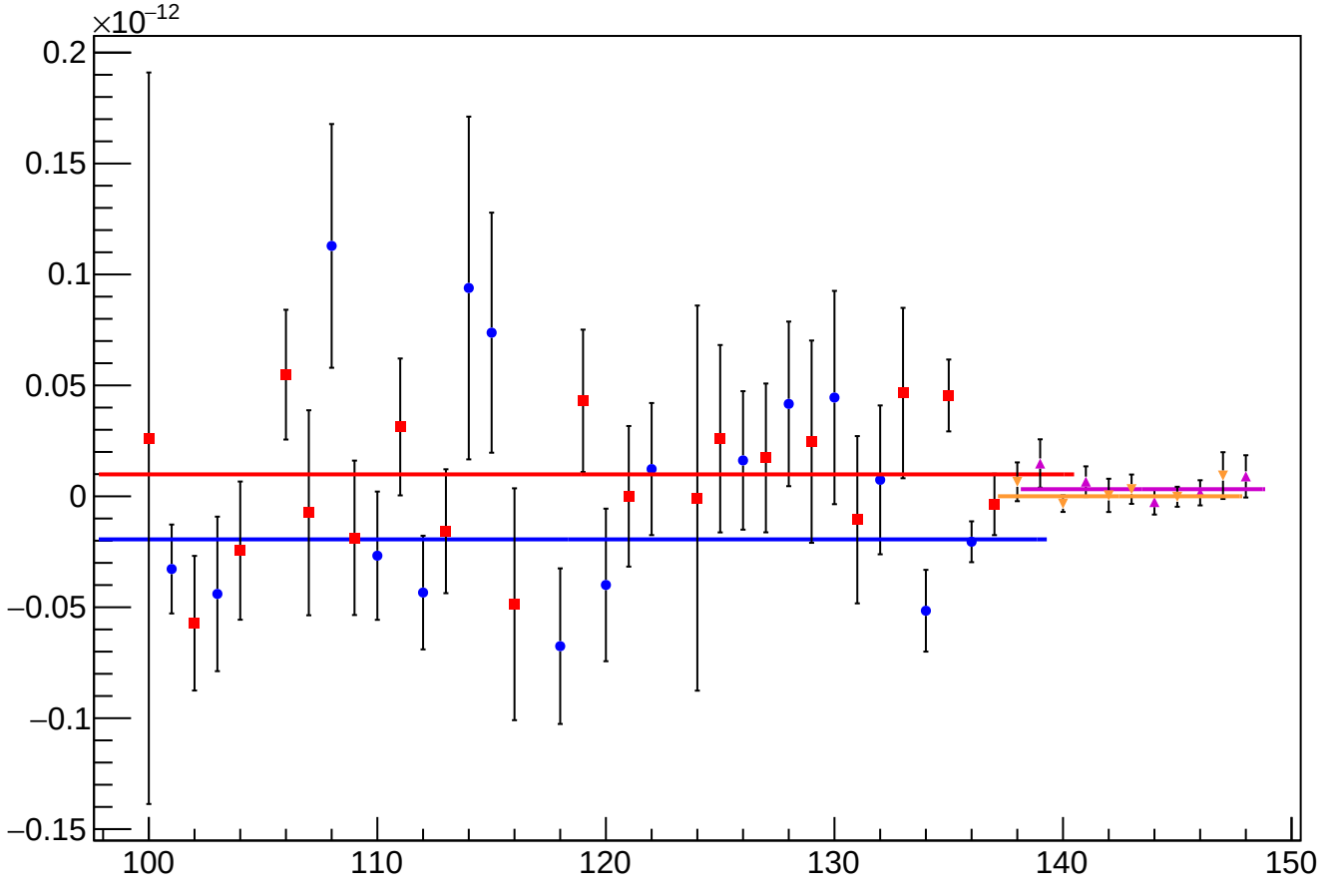
Left: 17.269+/-0.005 χ^2/NDF: 1455354.6/10

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.974+/-0.005 χ^2/NDF:2952921.2/20

Out: 20.928+/-0.005 χ^2/NDF:4282608.9/24

All: 20.427+/-0.004 χ^2/NDF: 7253200.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/4

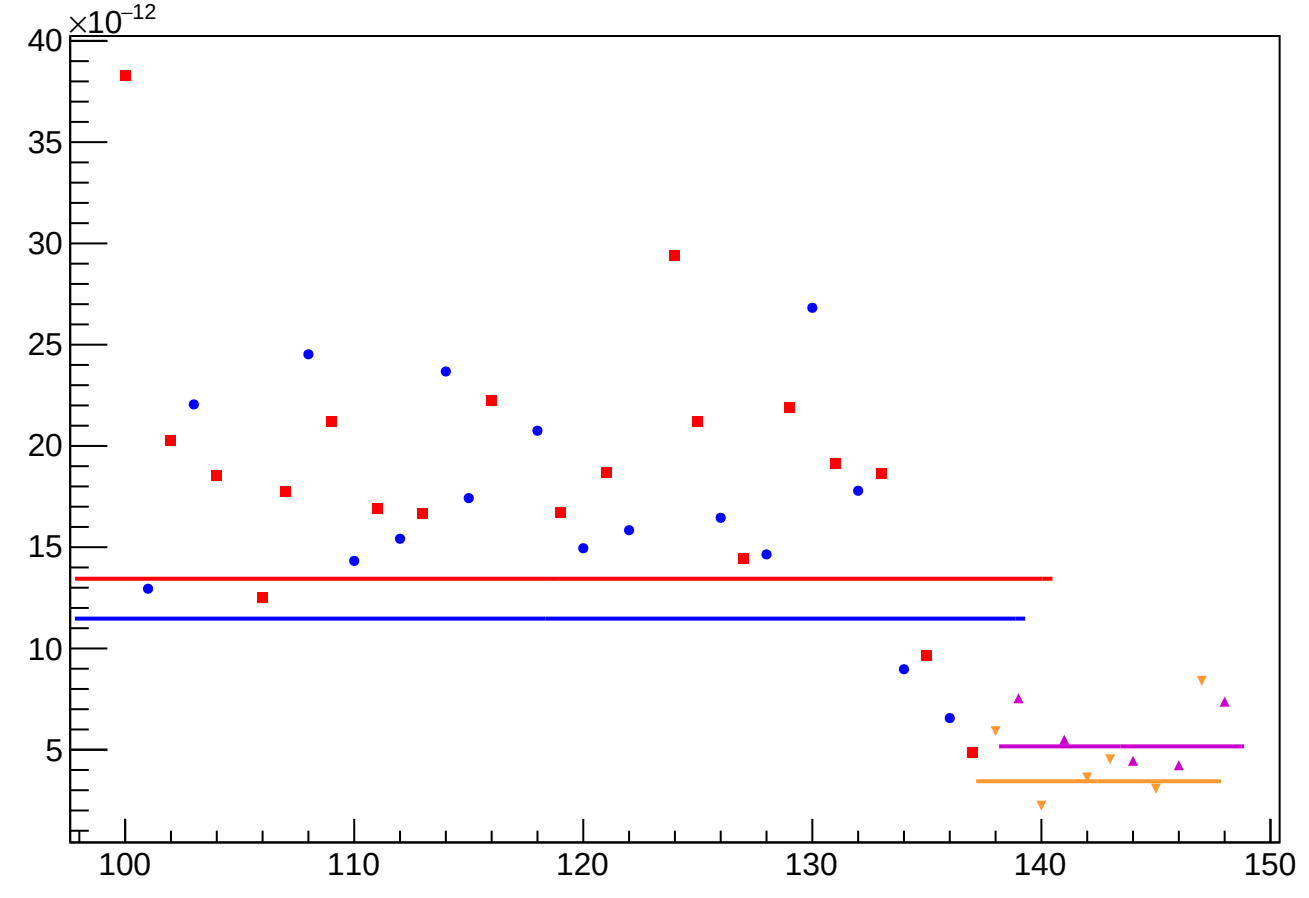
Left: 0.000+/-0.000 χ^2/NDF: 5.9/10

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:39.6/20

Out: 0.000+/-0.000 χ^2/NDF:24.6/24

All: 0.000+/-0.000 χ^2/NDF: 64.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:880751.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:292498.1/4

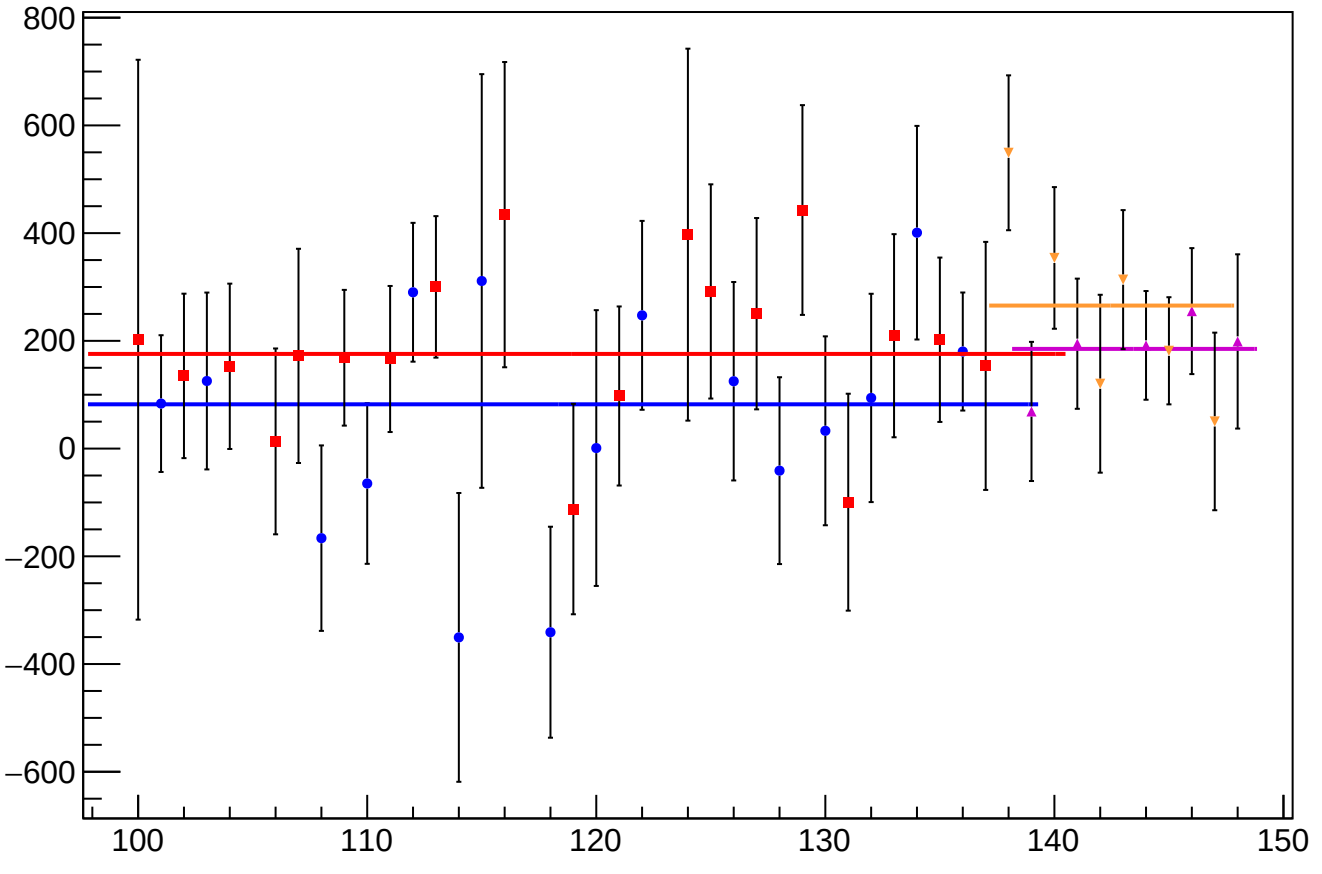
Left: 0.000+/-0.000 χ^2/NDF: 1564073.0/10

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:3617613.3/20

Out: 0.000+/-0.000 χ^2/NDF:6445081.8/24

All: 0.000+/-0.000 χ^2/NDF: 10696276.0/45



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.524+/-54.169 χ^2/NDF:7.7/5

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 185.062+/-54.400 χ^2/NDF:1.2/4

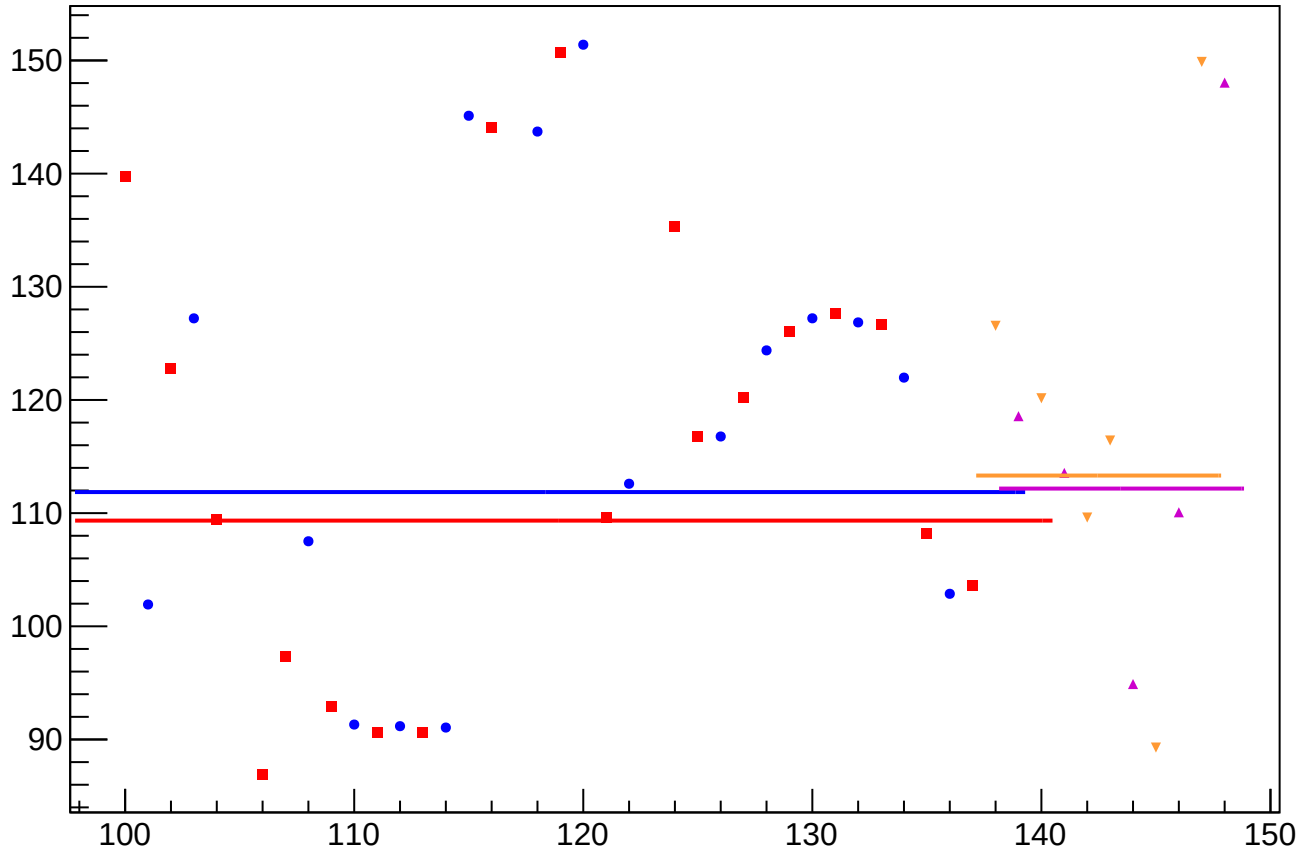
Left: 225.464+/-38.385 χ^2/NDF: 10.0/10

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 120.766+/-33.311 χ^2/NDF:21.8/20

Out: 208.104+/-32.525 χ^2/NDF:19.3/24

All: 165.477+/-23.271 χ^2/NDF: 44.6/45



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

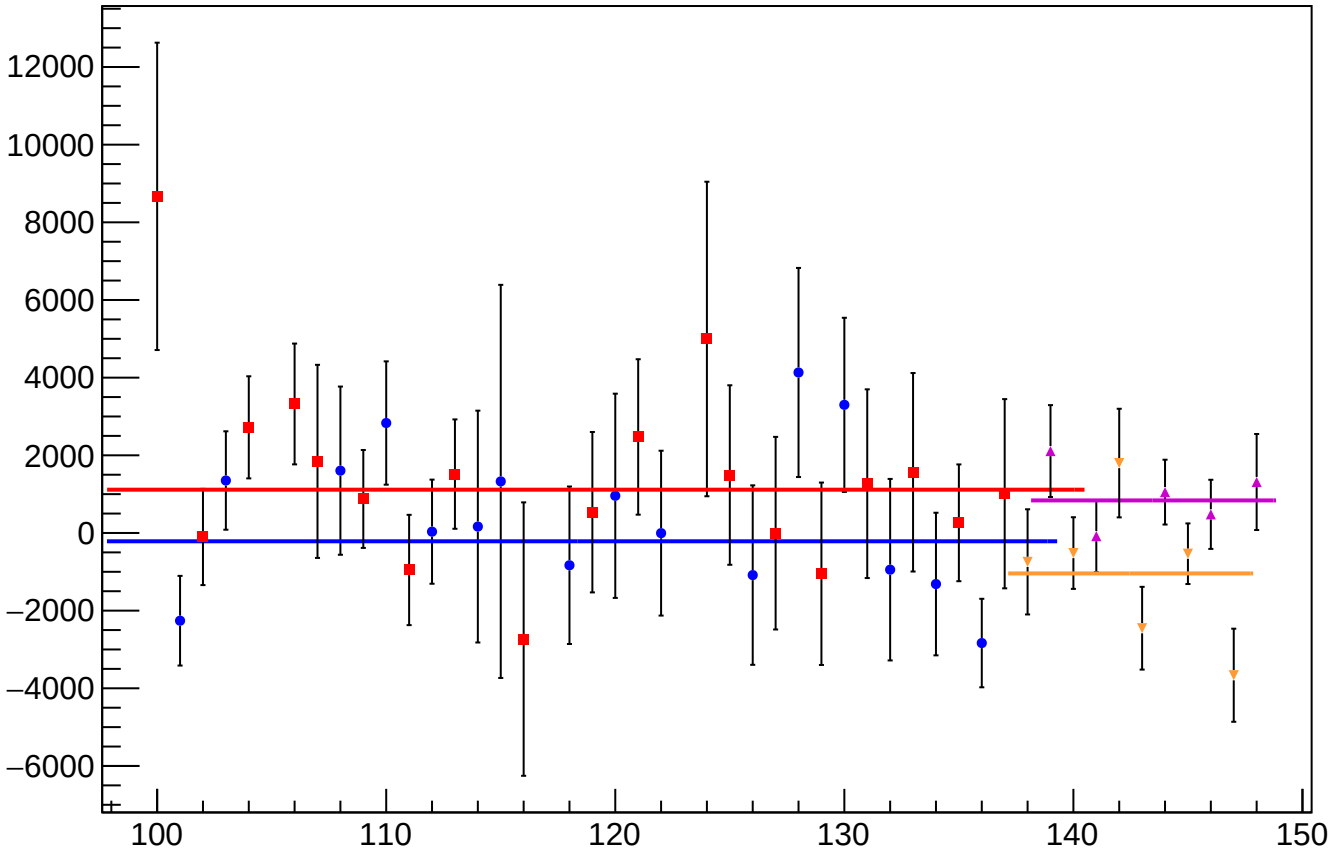
Left: 112.749+/-0.027 χ^2/NDF: 402767.4/10

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 111.978+/-0.024 χ^2/NDF:468784.9/20

Out: 110.776+/-0.023 χ^2/NDF:613726.6/24

All: 111.362+/-0.016 χ^2/NDF: 1083844.7/45



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1042.187+/-428.395 χ^2/NDF:11.5/5

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 838.193+/-437.236 χ^2/NDF:2.5/4

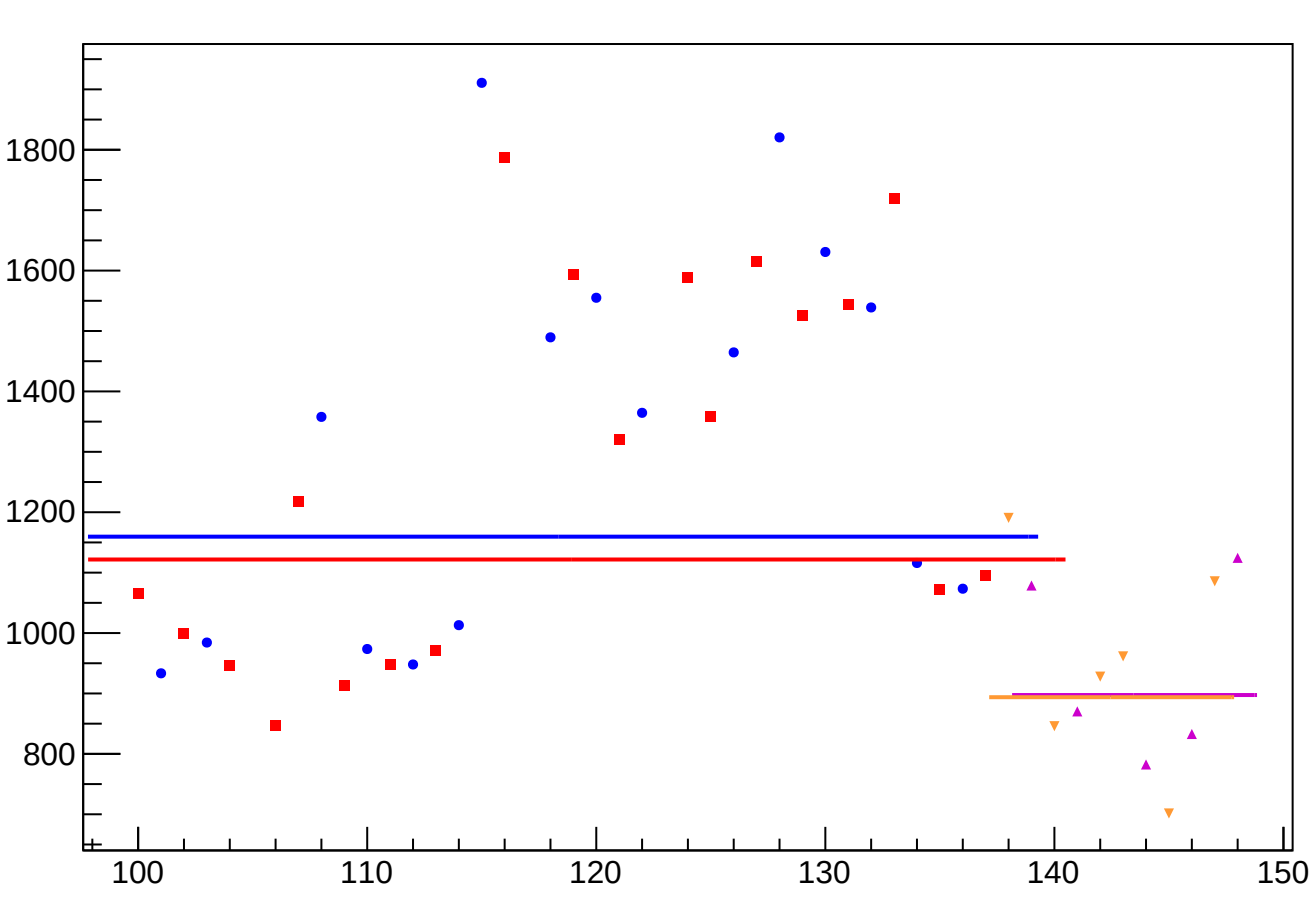
Left: -121.199+/-305.999 χ^2/NDF: 23.4/10

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 320.035+/-311.523 χ^2/NDF:25.8/20

Out: 49.825+/-301.010 χ^2/NDF:38.8/24

All: 180.293+/-216.467 χ^2/NDF: 65.0/45



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 893.792+/-0.303 χ^2/NDF:283562.8/5

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 897.405+/-0.309 χ^2/NDF:164518.9/4

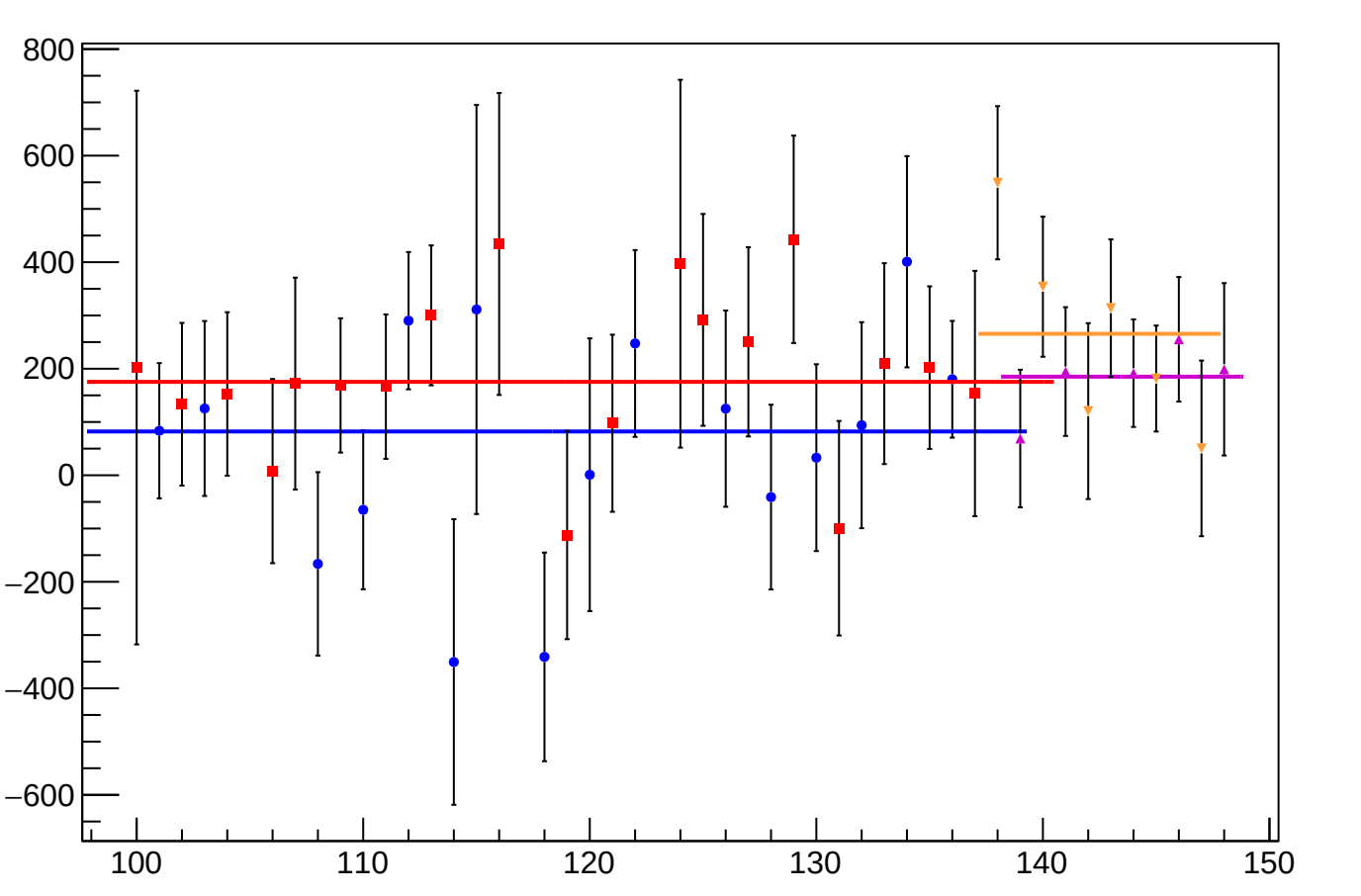
Left: 895.562+/-0.216 χ^2/NDF: 448151.4/10

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1026.485+/-0.220 χ^2/NDF:1202231.6/20

Out: 1009.206+/-0.213 χ^2/NDF:1352555.0/24

All: 1017.549+/-0.153 χ^2/NDF: 2557968.7/45



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.542+/-54.169 χ^2/NDF:7.7/5

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 185.072+/-54.400 χ^2/NDF:1.2/4

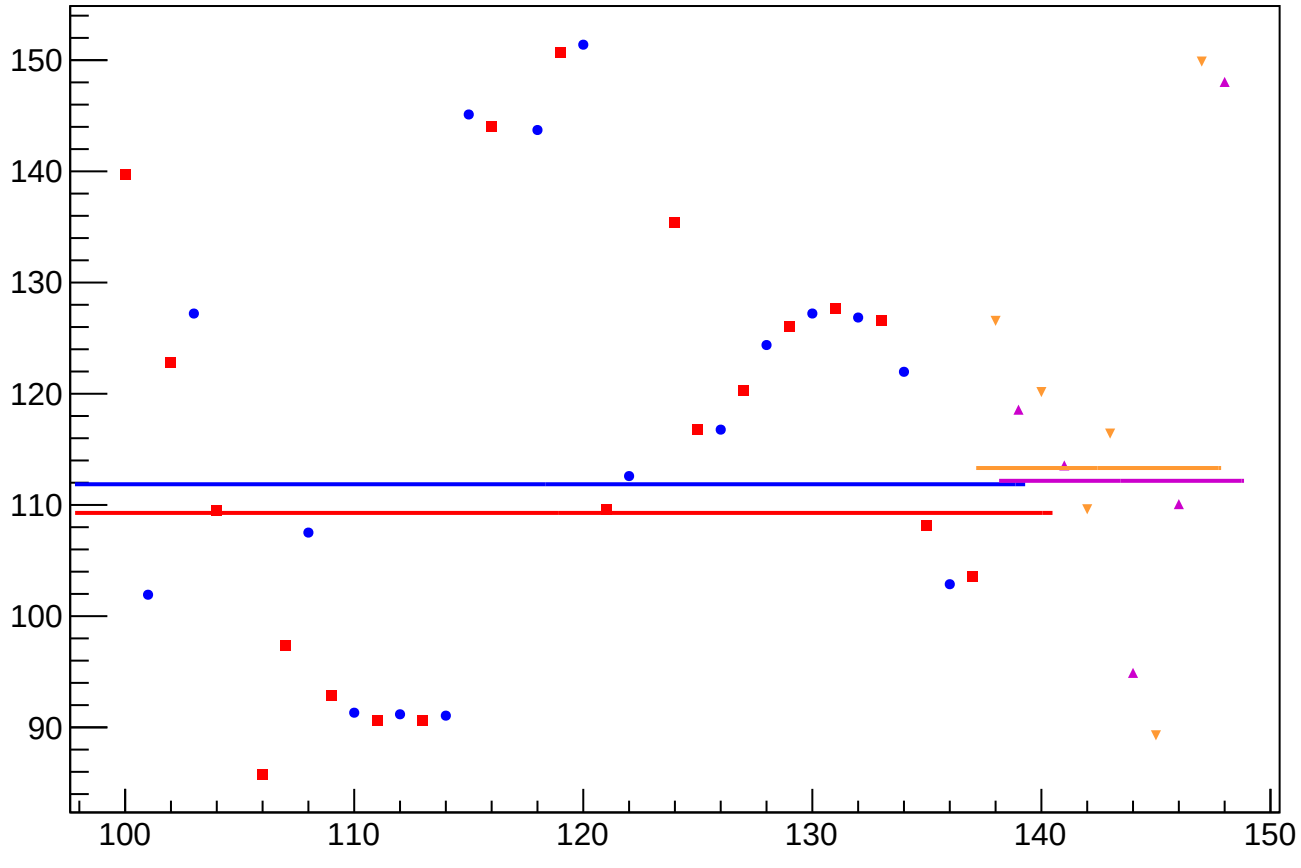
Left: 225.477+/-38.385 χ^2/NDF: 10.0/10

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 120.762+/-33.311 χ^2/NDF:21.8/20

Out: 207.864+/-32.528 χ^2/NDF:19.4/24

All: 165.348+/-23.272 χ^2/NDF: 44.7/45



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

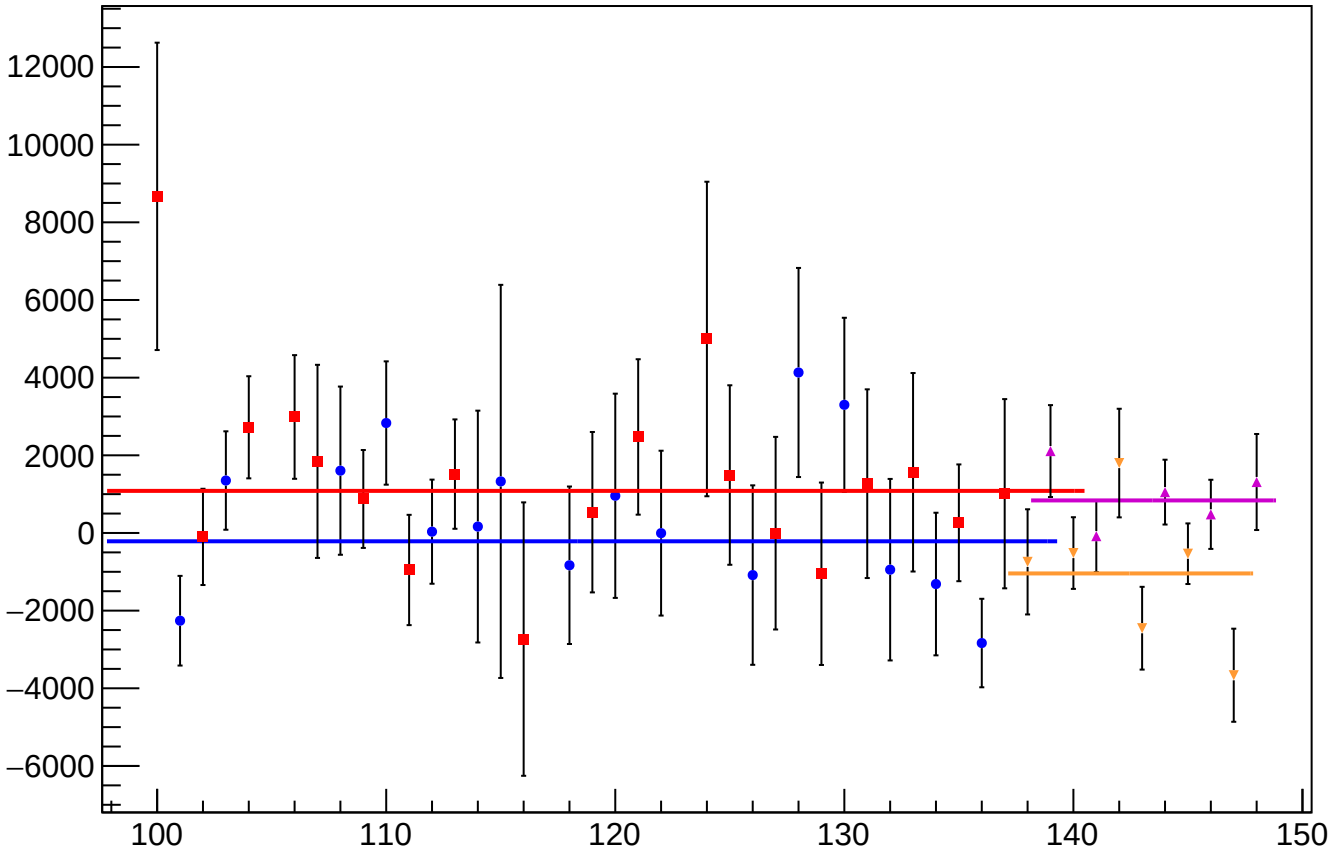
Left: 112.749+/-0.027 χ^2/NDF: 402767.4/10

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 111.978+/-0.024 χ^2/NDF:468786.0/20

Out: 110.740+/-0.023 χ^2/NDF:617413.8/24

All: 111.344+/-0.016 χ^2/NDF: 1087613.2/45



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1042.165+/-428.395 χ^2/NDF:11.5/5

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 838.201+/-437.236 χ^2/NDF:2.5/4

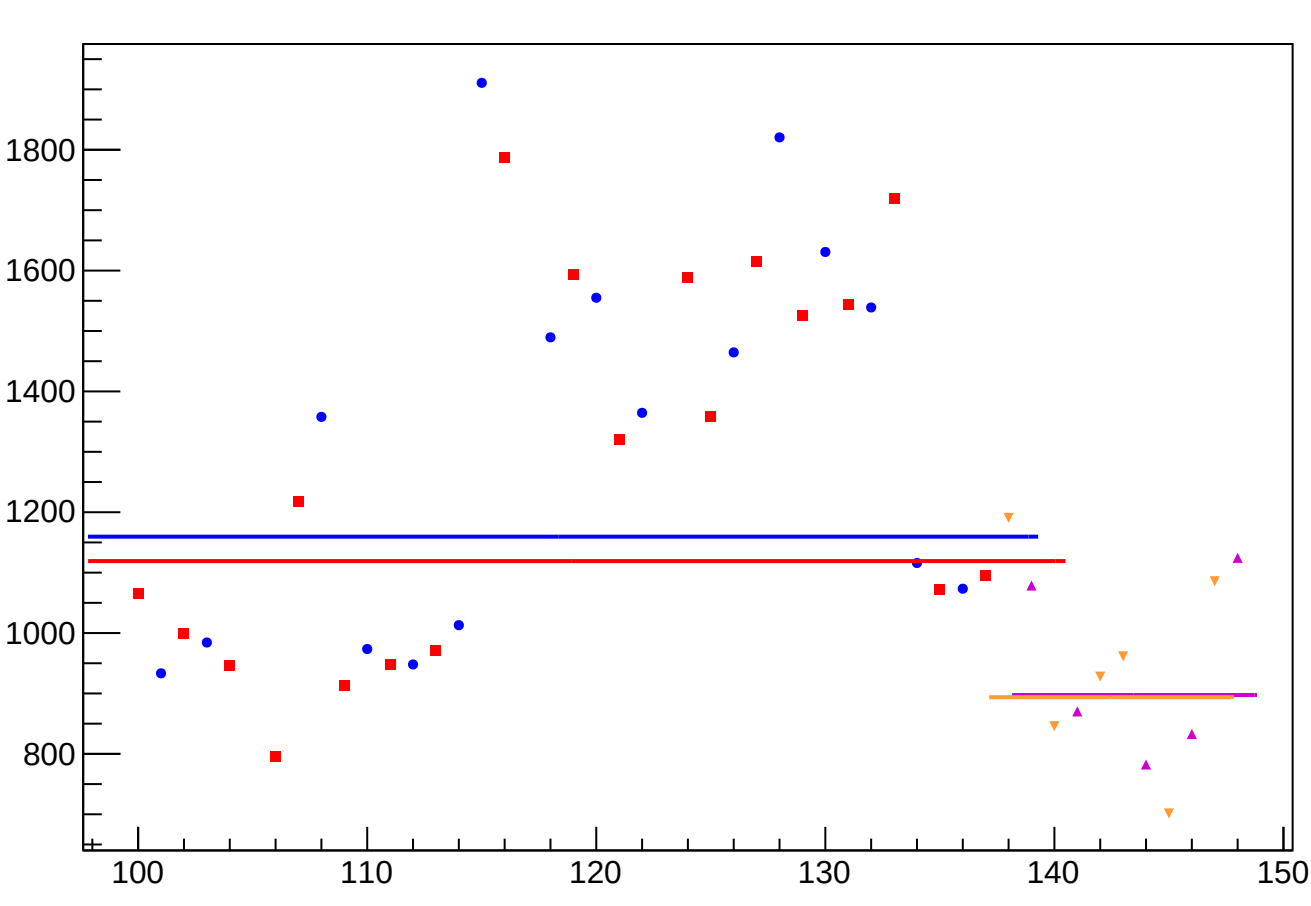
Left: -121.185+/-305.999 χ^2/NDF: 23.4/10

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 319.998+/-311.524 χ^2/NDF:25.8/20

Out: 32.416+/-301.274 χ^2/NDF:37.8/24

All: 171.398+/-216.566 χ^2/NDF: 64.0/45



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 893.791+/-0.303 χ^2/NDF:283565.0/5

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

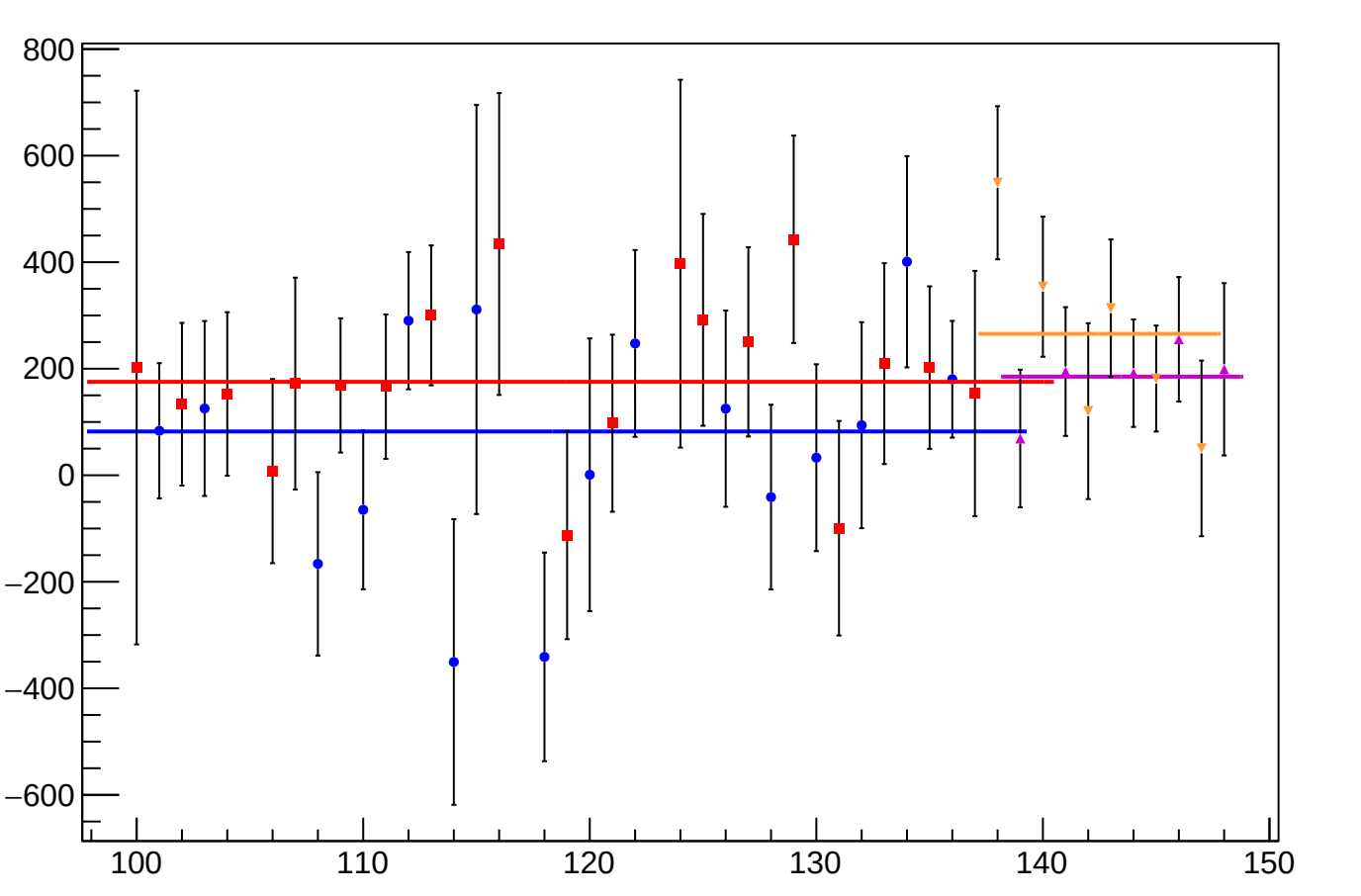
Left: 895.562+/-0.216 χ^2/NDF: 448151.6/10

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1026.489+/-0.220 χ^2/NDF:1202220.1/20

Out: 1007.695+/-0.213 χ^2/NDF:1366466.8/24

All: 1016.778+/-0.153 χ^2/NDF: 2572448.1/45



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.542+/-54.169 χ^2/NDF:7.7/5

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 185.072+/-54.400 χ^2/NDF:1.2/4

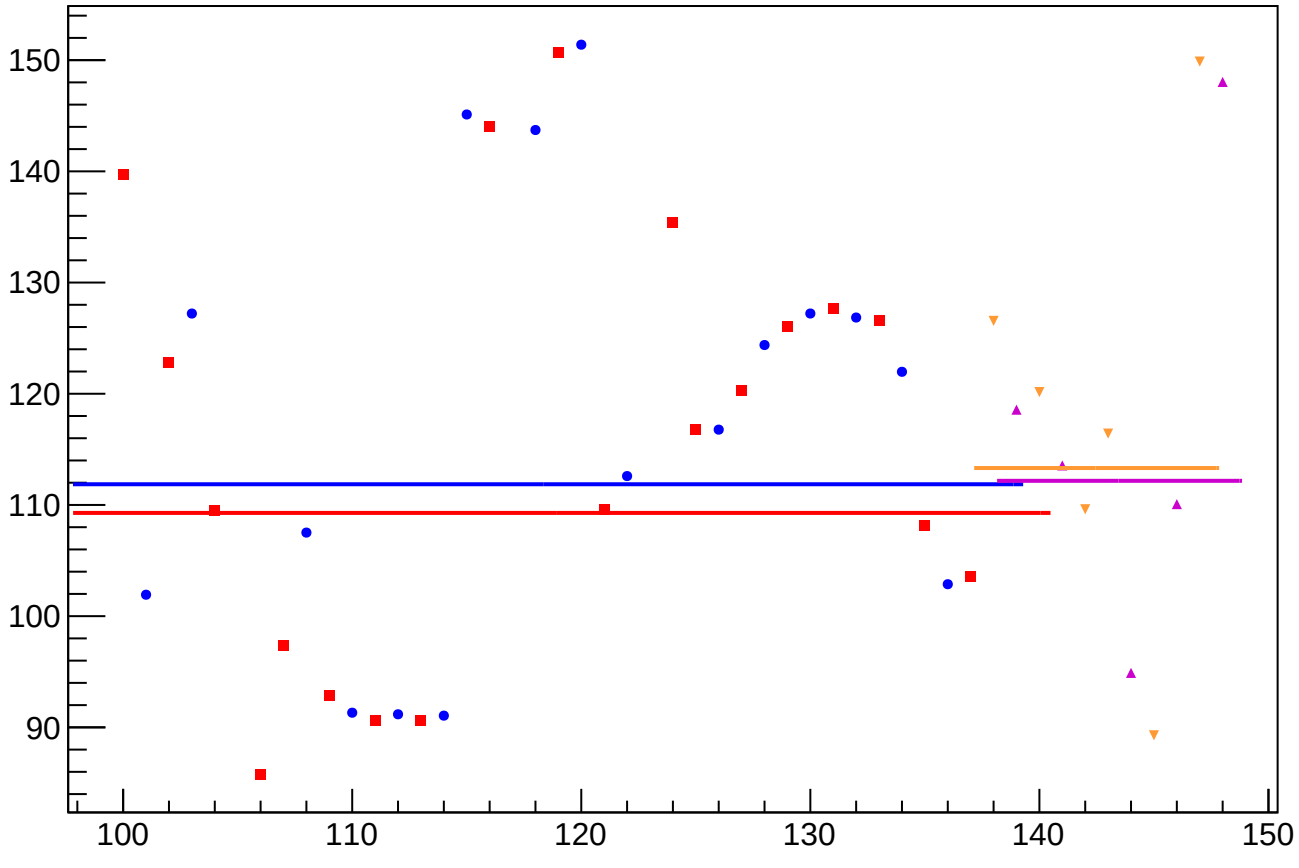
Left: 225.477+/-38.385 χ^2/NDF: 10.0/10

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 120.762+/-33.311 χ^2/NDF:21.8/20

Out: 207.864+/-32.528 χ^2/NDF:19.4/24

All: 165.348+/-23.272 χ^2/NDF: 44.7/45



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

Left: 112.749+/-0.027 χ^2/NDF: 402767.4/10

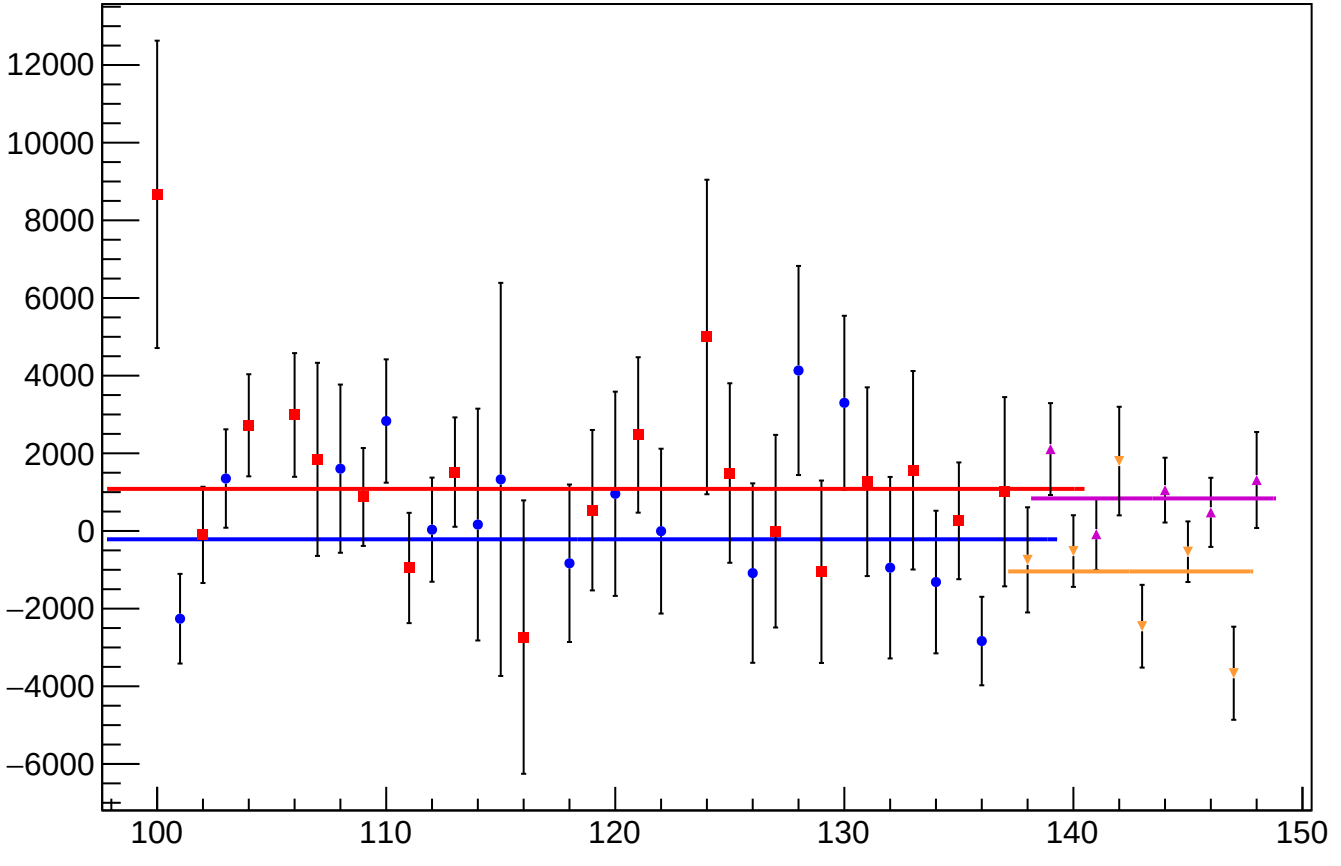
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 111.978+/-0.024 χ^2/NDF:468786.0/20

Out: 110.740+/-0.023 χ^2/NDF:617413.8/24

All: 111.344+/-0.016 χ^2/NDF: 1087613.2/45

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: -1042.165+/-428.395 χ^2/NDF:11.5/5

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 838.201+/-437.236 χ^2/NDF:2.5/4

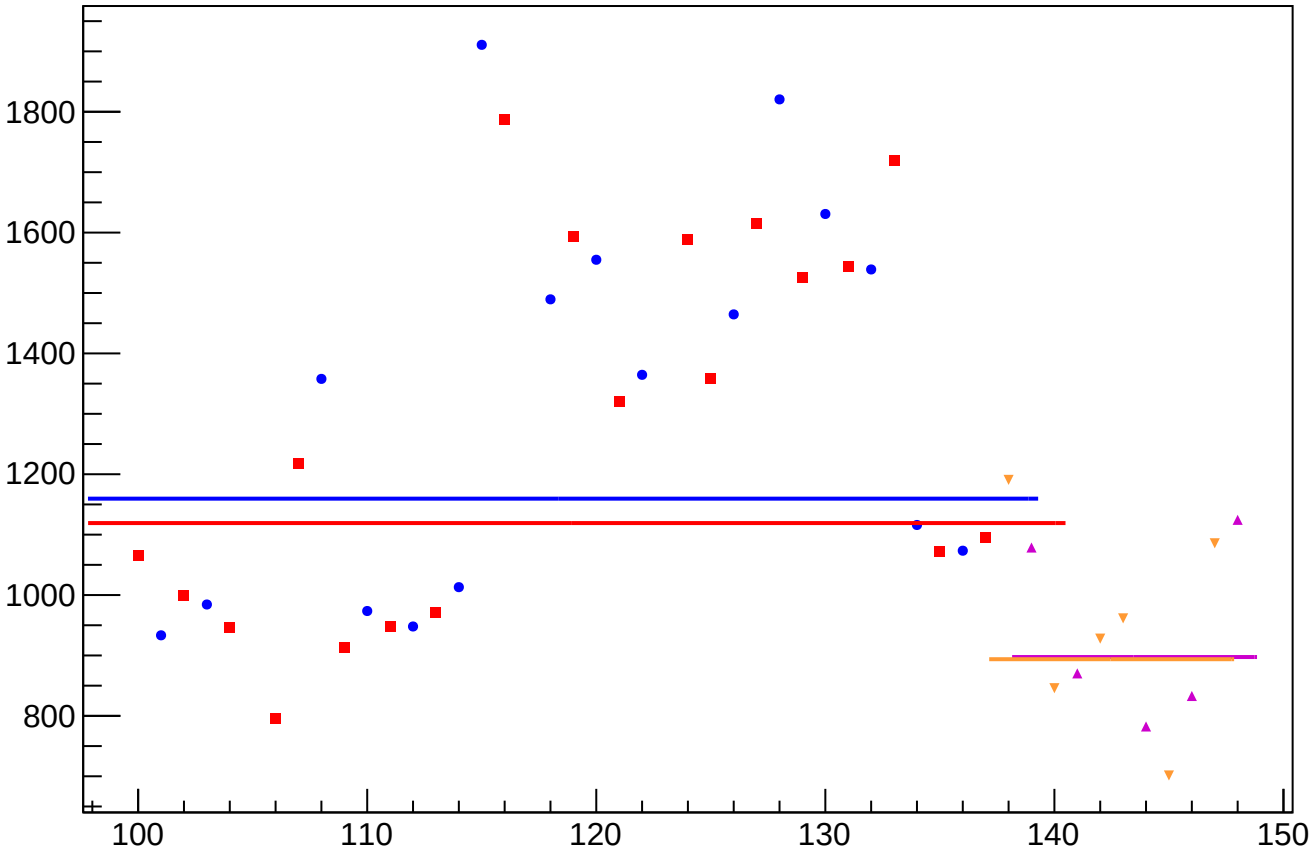
Left: -121.185+/-305.999 χ^2/NDF: 23.4/10

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 319.998+/-311.524 χ^2/NDF:25.8/20

Out: 32.416+/-301.274 χ^2/NDF:37.8/24

All: 171.398+/-216.566 χ^2/NDF: 64.0/45



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 893.791+/-0.303 χ^2/NDF:283565.0/5

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

Left: 895.562+/-0.216 χ^2/NDF: 448151.6/10

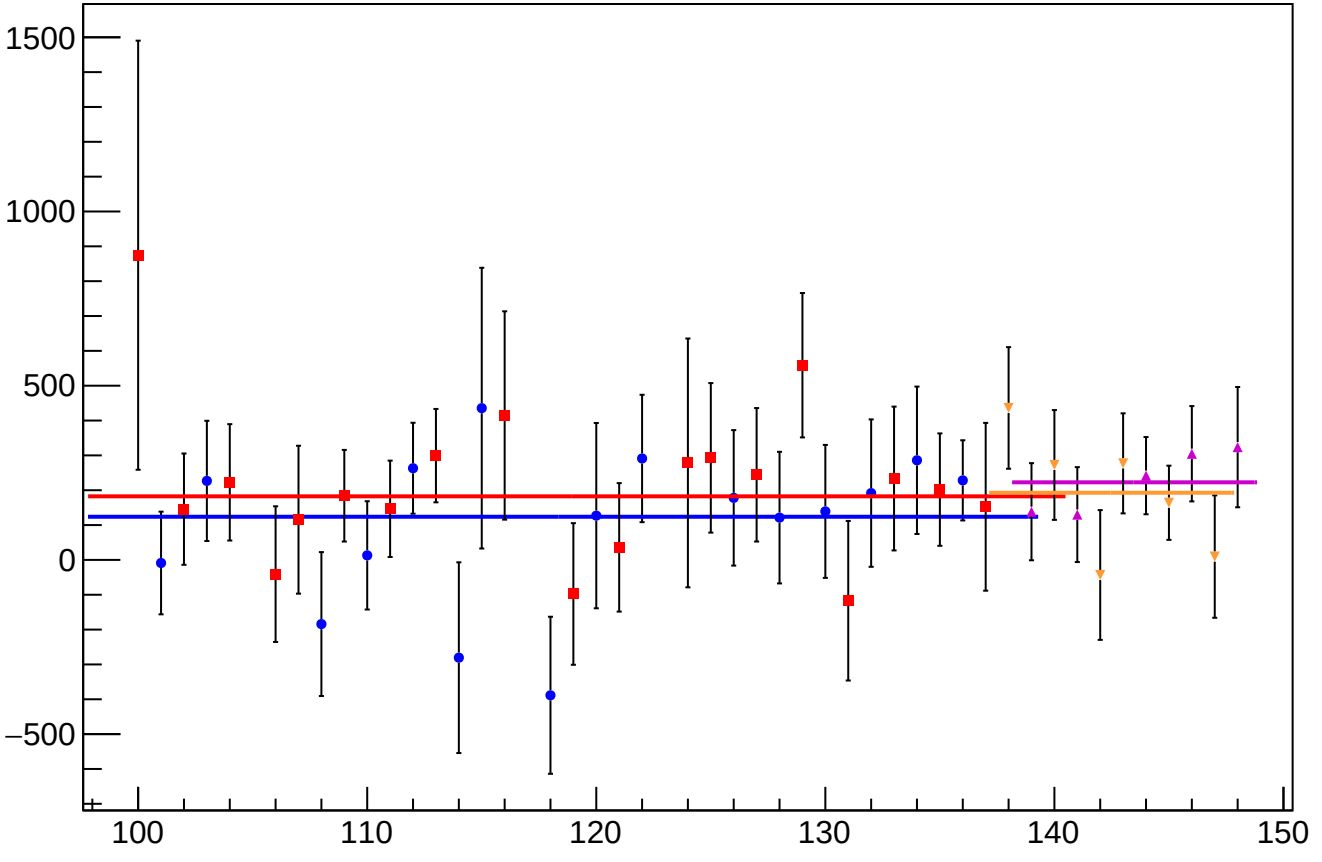
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1026.489+/-0.220 χ^2/NDF:1202220.1/20

Out: 1007.695+/-0.213 χ^2/NDF:1366466.8/24

All: 1016.778+/-0.153 χ^2/NDF: 2572448.1/45

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 192.816+/-60.737 χ^2/NDF:5.3/5

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 222.688+/-60.432 χ^2/NDF:1.6/4

Left: 207.827+/-42.839 χ^2/NDF: 7.0/10

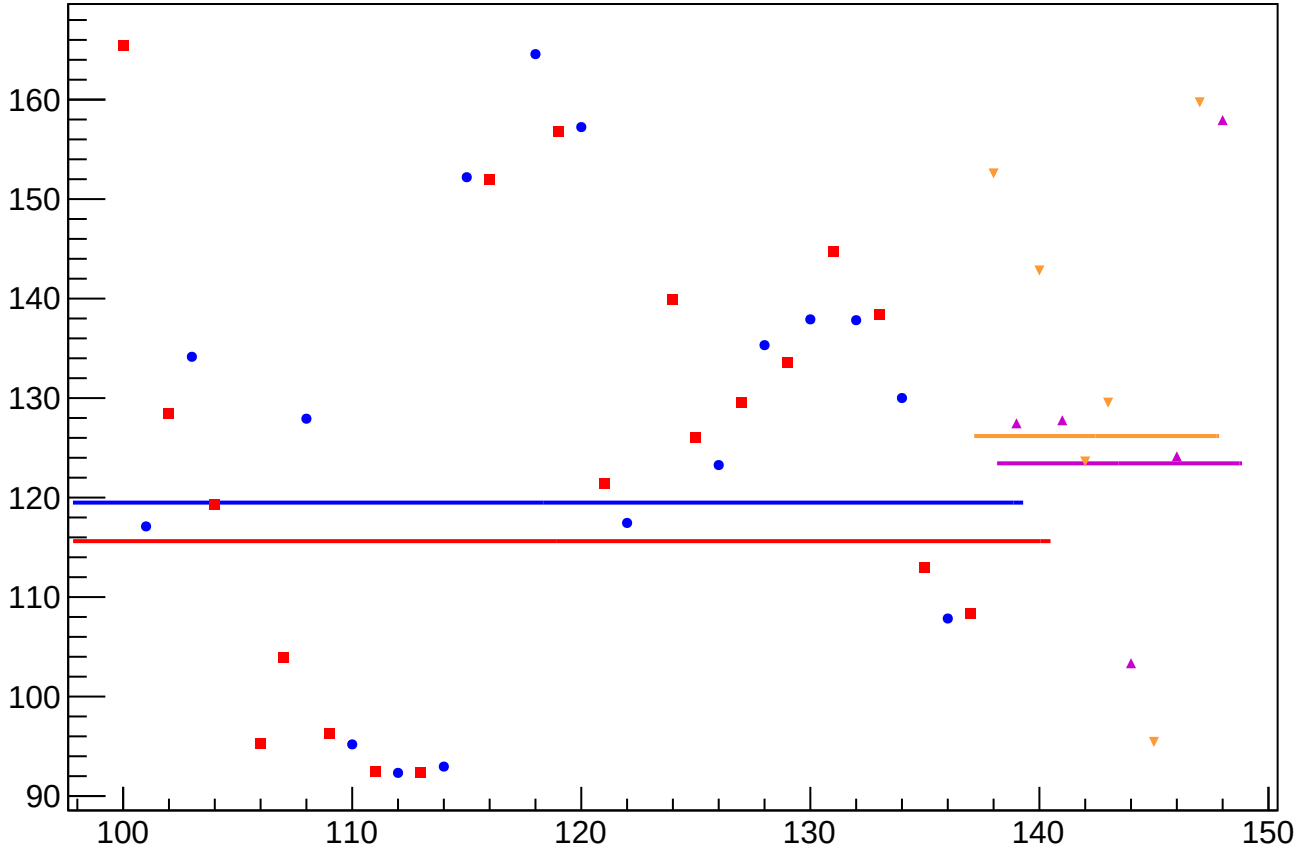
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 159.372+/-36.215 χ^2/NDF:18.7/20

Out: 185.946+/-35.217 χ^2/NDF:17.6/24

All: 173.031+/-25.248 χ^2/NDF: 36.6/45

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 126.185+/-0.043 χ^2/NDF:309159.7/5

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 123.442+/-0.043 χ^2/NDF:149371.1/4

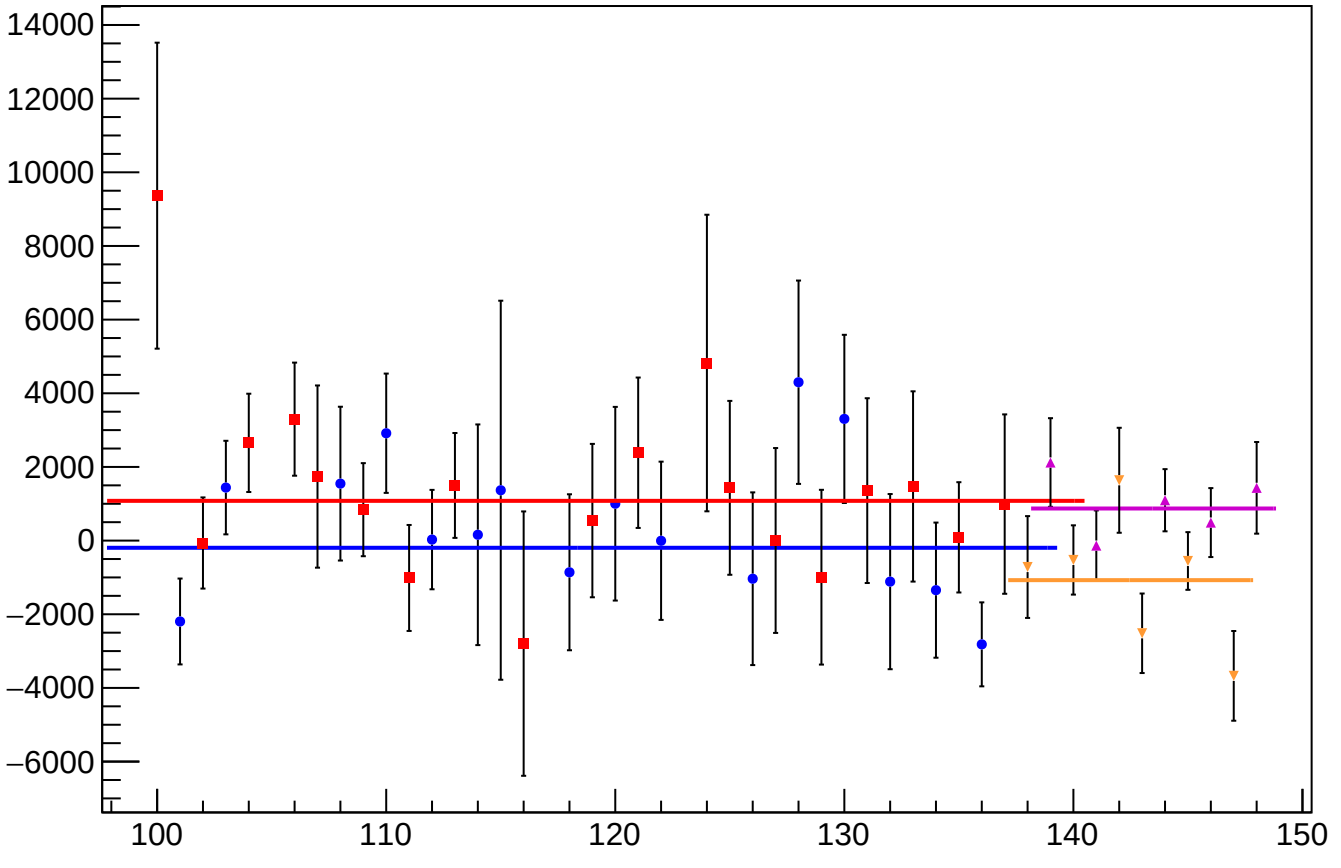
Left: 124.806+/-0.030 χ^2/NDF: 460580.0/10

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 120.912+/-0.026 χ^2/NDF:535090.7/20

Out: 119.173+/-0.025 χ^2/NDF:776275.2/24

All: 120.018+/-0.018 χ^2/NDF: 1313736.9/45



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1073.803+/-434.013 χ^2/NDF:10.8/5

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 871.406+/-448.245 χ^2/NDF:2.6/4

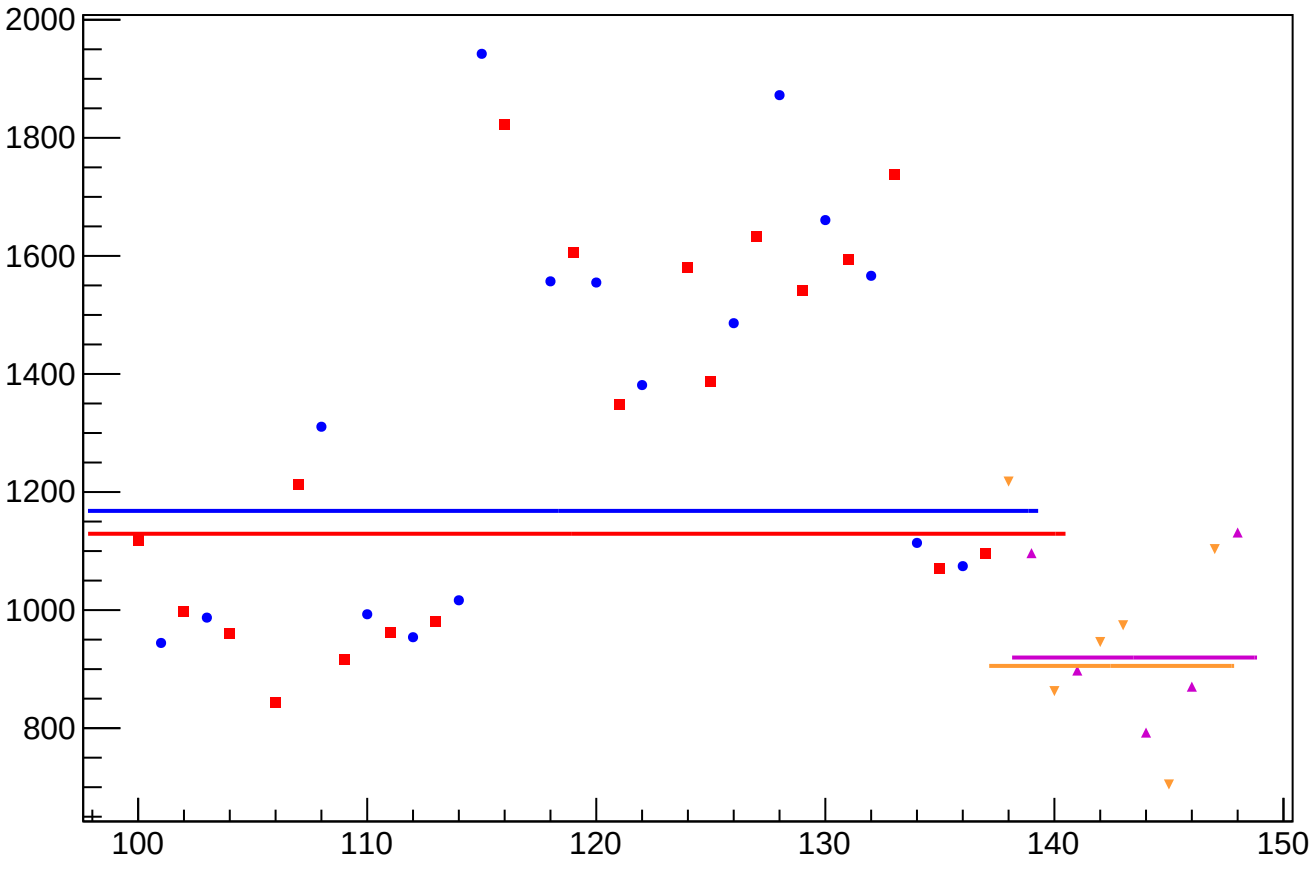
Left: -132.568+/-311.803 χ^2/NDF: 23.2/10

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 337.075+/-316.634 χ^2/NDF:25.9/20

Out: 22.982+/-304.003 χ^2/NDF:37.9/24

All: 173.639+/-219.292 χ^2/NDF: 64.3/45



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 905.457+/-0.307 χ^2/NDF:300230.2/5

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 919.651+/-0.317 χ^2/NDF:153092.4/4

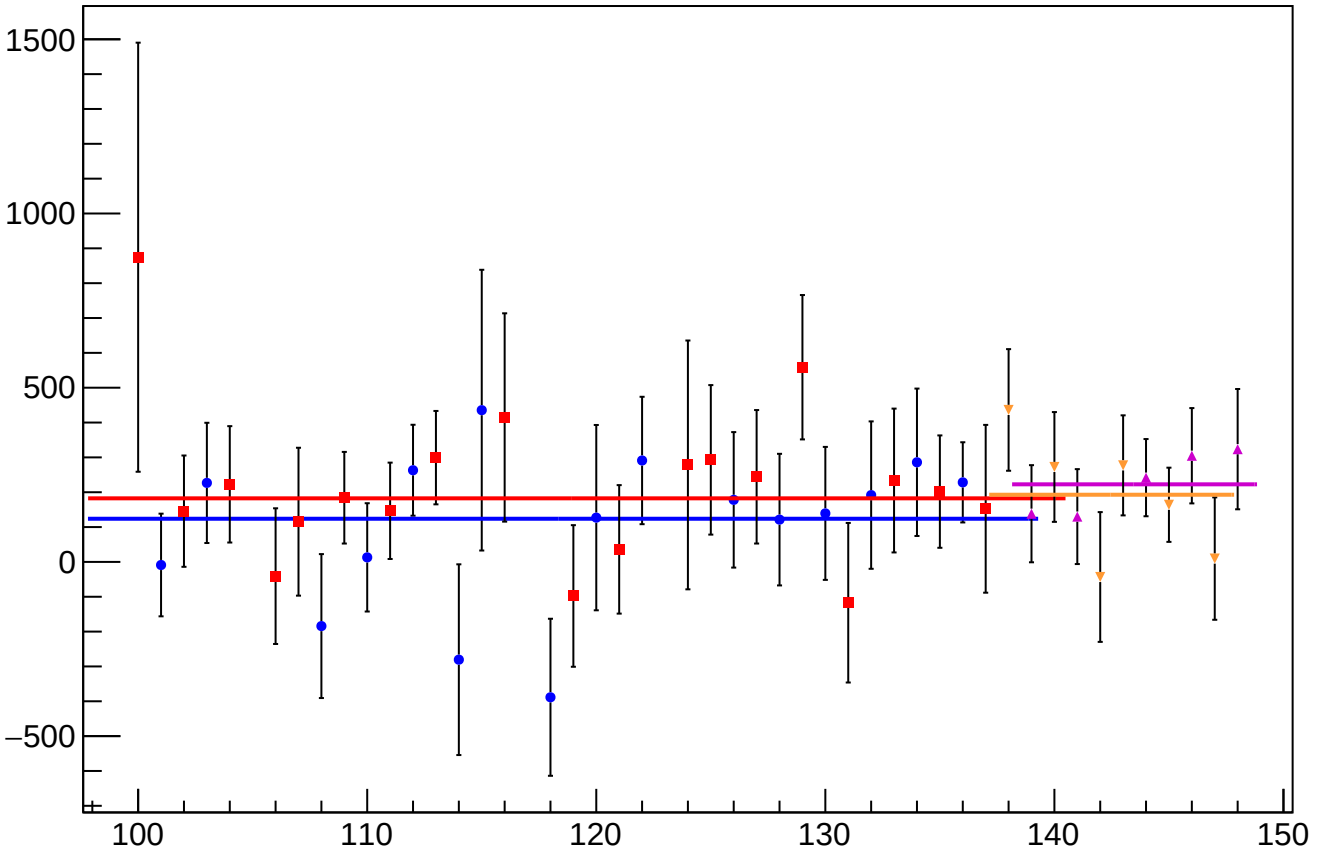
Left: 912.325+/-0.220 χ^2/NDF: 454357.7/10

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1044.110+/-0.224 χ^2/NDF:1170205.2/20

Out: 1019.485+/-0.215 χ^2/NDF:1378480.7/24

All: 1031.297+/-0.155 χ^2/NDF: 2554980.0/45



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 192.817+/-60.737 χ^2/NDF:5.3/5

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 222.689+/-60.432 χ^2/NDF:1.6/4

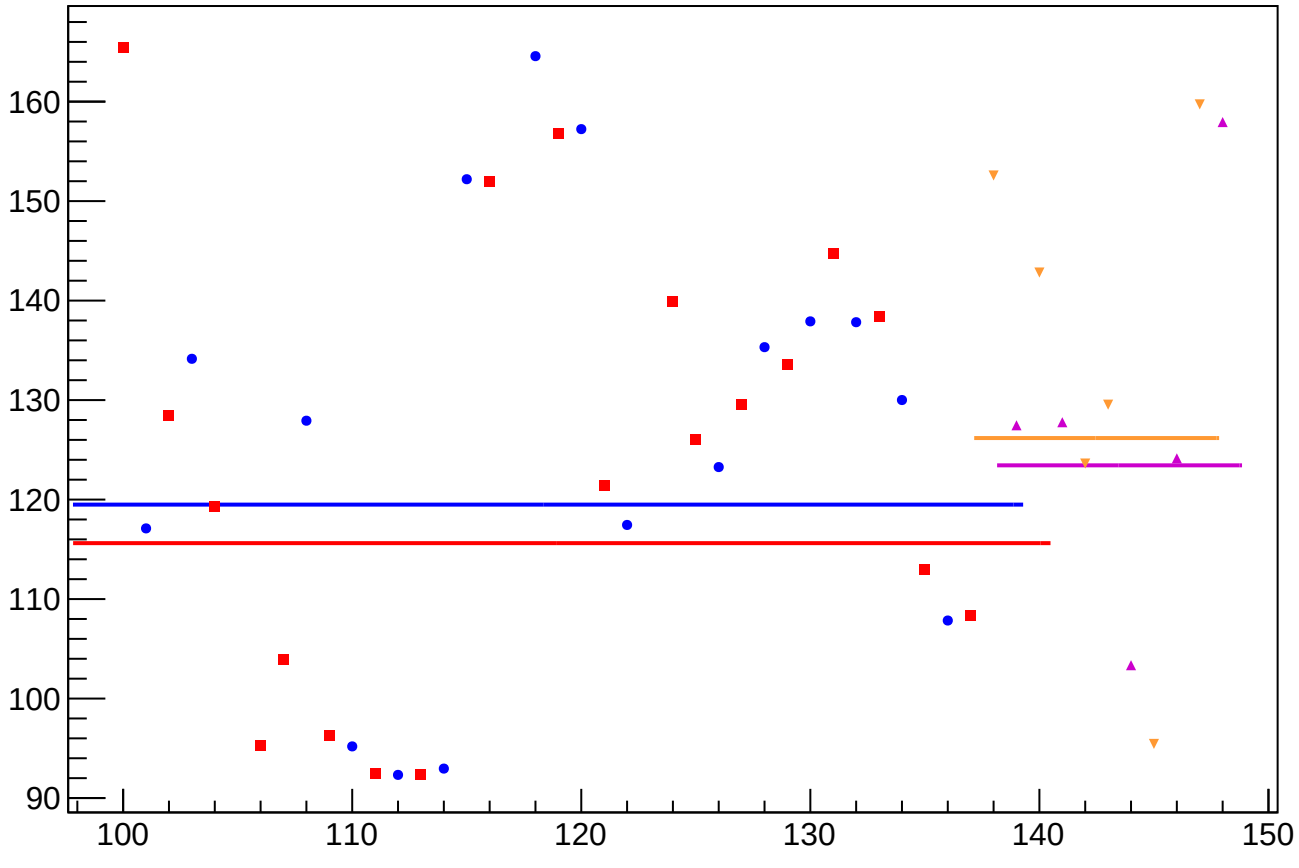
Left: 207.828+/-42.839 χ^2/NDF: 7.0/10

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 159.374+/-36.215 χ^2/NDF:18.7/20

Out: 185.947+/-35.217 χ^2/NDF:17.6/24

All: 173.032+/-25.248 χ^2/NDF: 36.6/45



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 126.185+/-0.043 χ^2/NDF:309157.8/5

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 123.442+/-0.043 χ^2/NDF:149369.3/4

Left: 124.807+/-0.030 χ^2/NDF: 460576.3/10

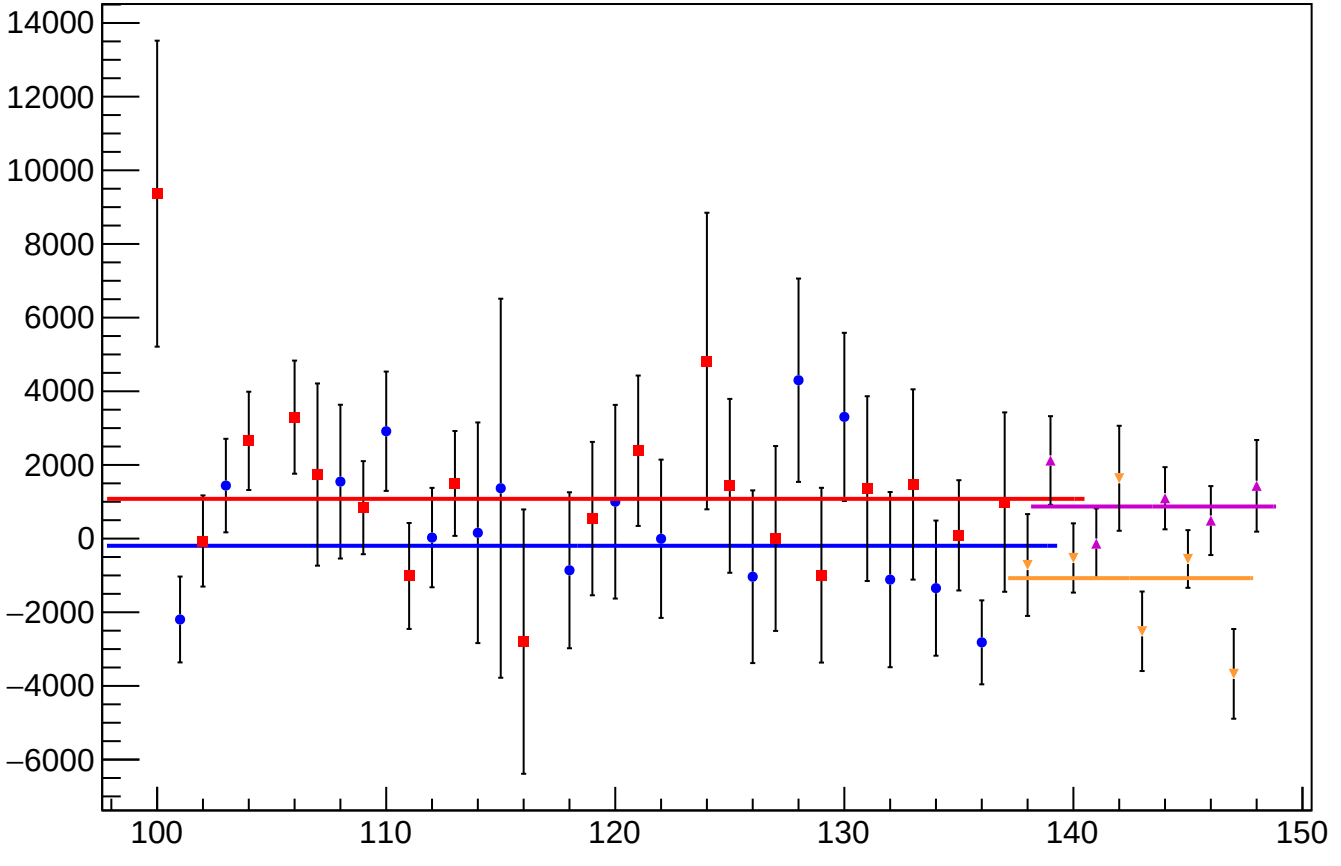
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 120.912+/-0.026 χ^2/NDF:535092.5/20

Out: 119.173+/-0.025 χ^2/NDF:776278.6/24

All: 120.018+/-0.018 χ^2/NDF: 1313742.3/45

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1073.801+/-434.013 χ^2/NDF:10.8/5

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 871.406+/-448.245 χ^2/NDF:2.6/4

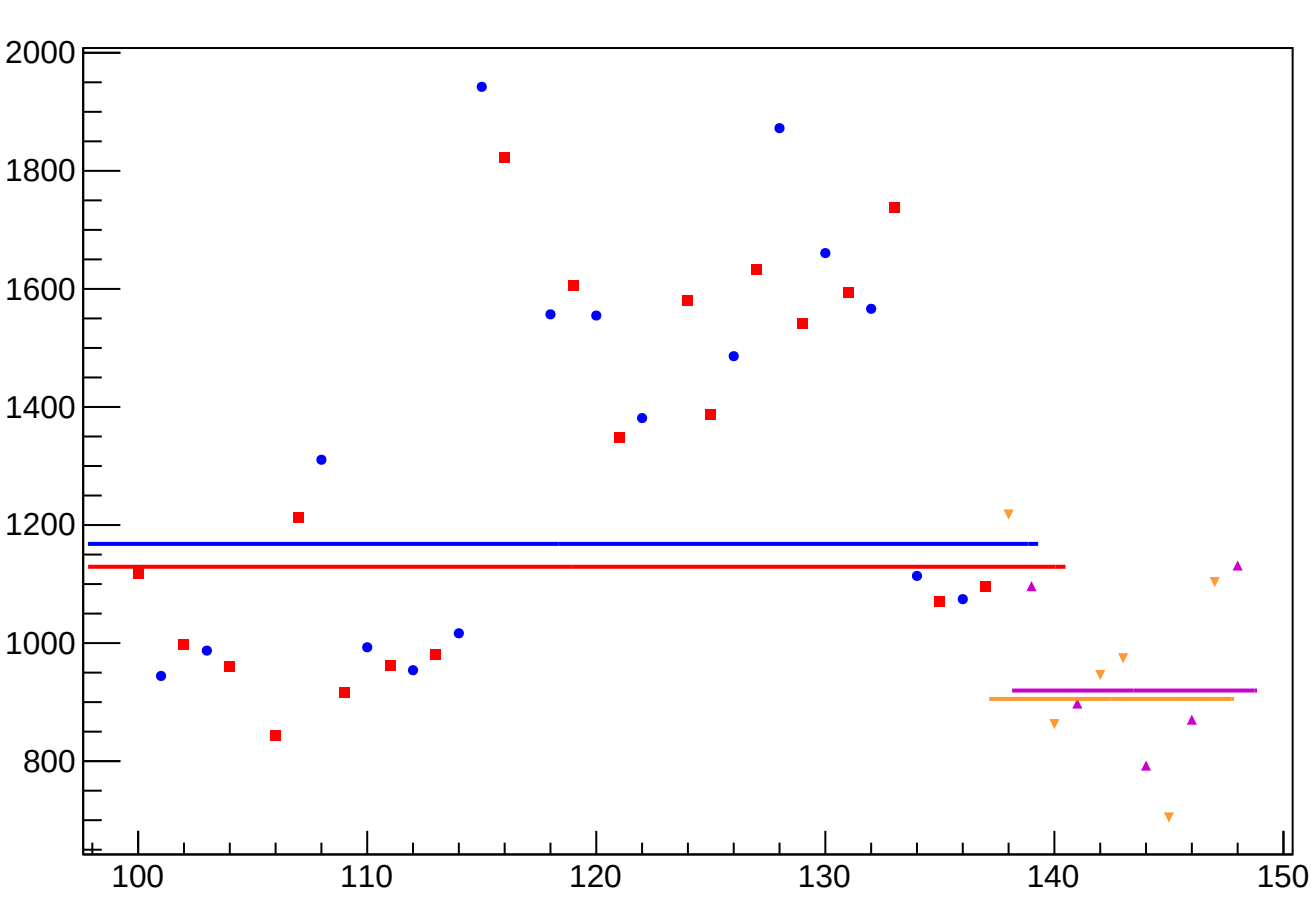
Left: -132.568+/-311.803 χ^2/NDF: 23.2/10

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

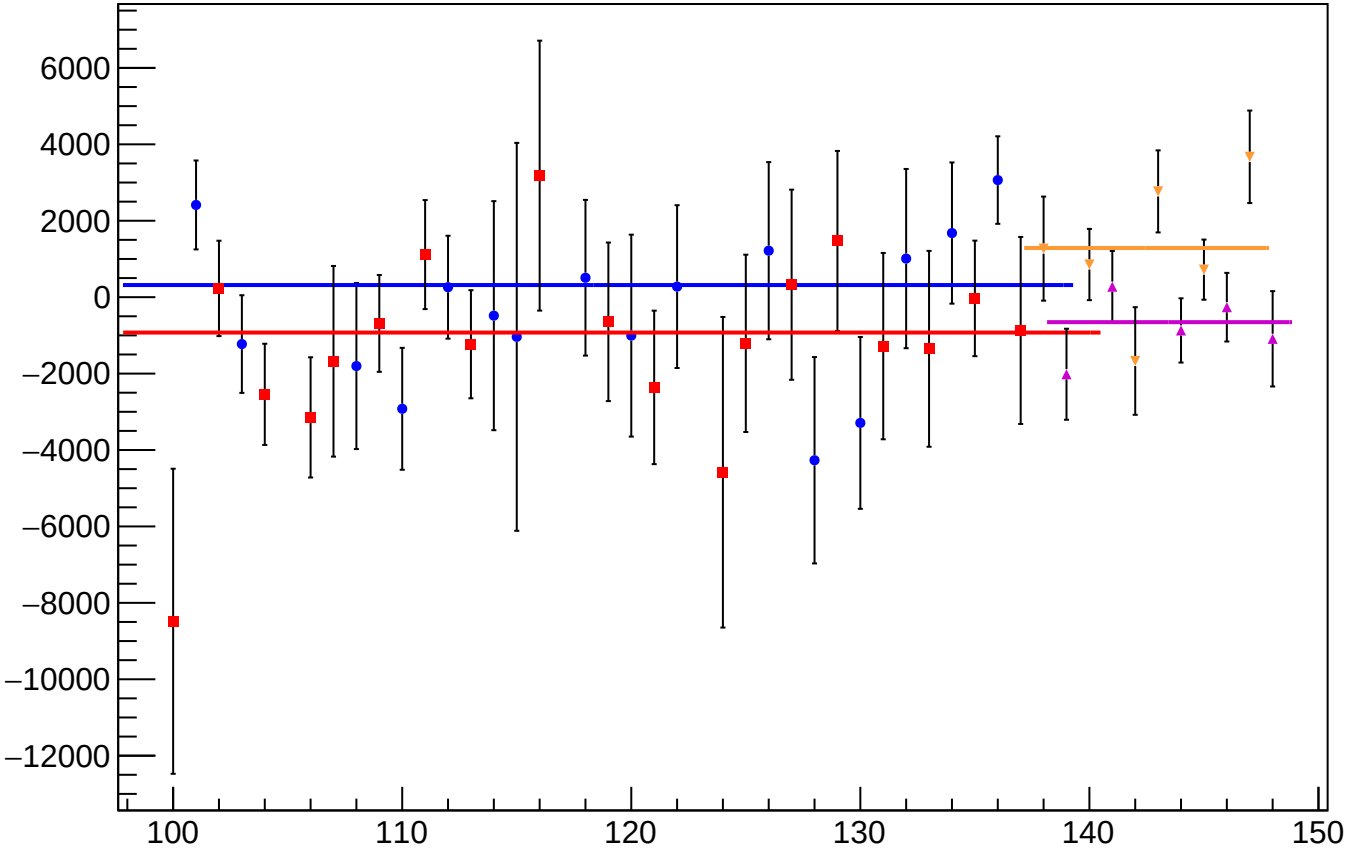
In: 337.075+/-316.634 χ^2/NDF:25.9/20

Out: 22.981+/-304.003 χ^2/NDF:37.9/24

All: 173.638+/-219.292 χ^2/NDF: 64.3/45


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1168.063+/-0.316 χ²/NDF: 709365.6/15
Left Out: 905.455+/-0.307 χ²/NDF:300233.5/5
Right Out: 1129.316+/-0.301 χ²/NDF: 807224.0/18
Left In: 919.651+/-0.317 χ²/NDF:153092.9/4
Left: 912.324+/-0.220 χ²/NDF: 454361.6/10
Right: 1147.741+/-0.218 χ²/NDF: 1524459.2/34
In: 1044.109+/-0.224 χ²/NDF:1170207.3/20
Out: 1019.484+/-0.215 χ²/NDF:1378488.3/24
All: 1031.296+/-0.155 χ²/NDF: 2554990.1/45

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1287.310+/-431.963 χ^2/NDF:10.9/5

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -653.506+/-440.770 χ^2/NDF:2.7/4

Left: 336.484+/-308.511 χ^2/NDF: 23.5/10

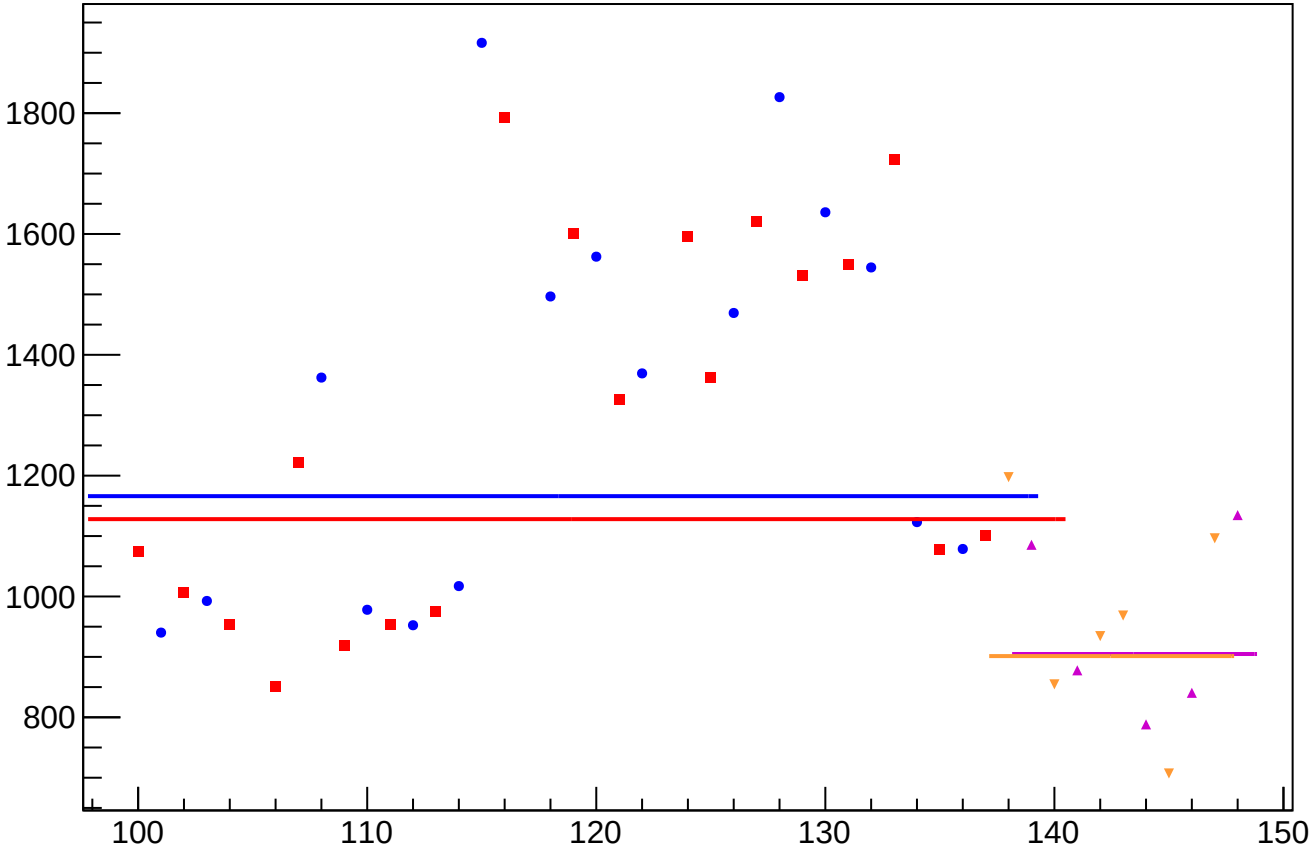
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -174.167+/-313.622 χ^2/NDF:27.2/20

Out: 163.707+/-303.099 χ^2/NDF:38.8/24

All: 0.534+/-217.949 χ^2/NDF: 66.6/45

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 901.328+/-0.305 χ^2/NDF:282346.7/5

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 904.779+/-0.312 χ^2/NDF:164282.4/4

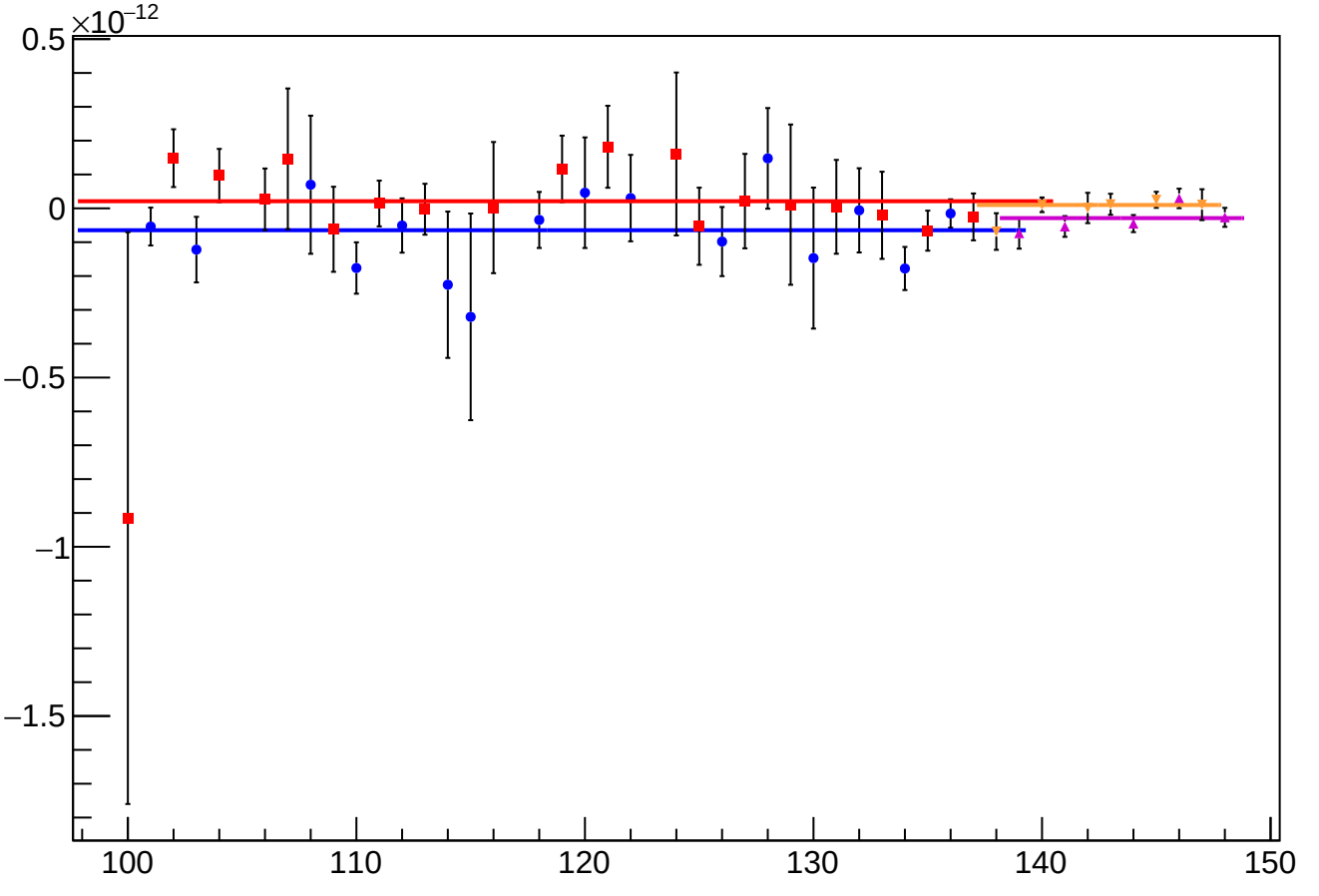
Left: 903.018+/-0.218 χ^2/NDF: 446691.6/10

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1033.777+/-0.222 χ^2/NDF:1188315.8/20

Out: 1016.401+/-0.214 χ^2/NDF:1337703.3/24

All: 1024.793+/-0.154 χ^2/NDF: 2529193.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/4

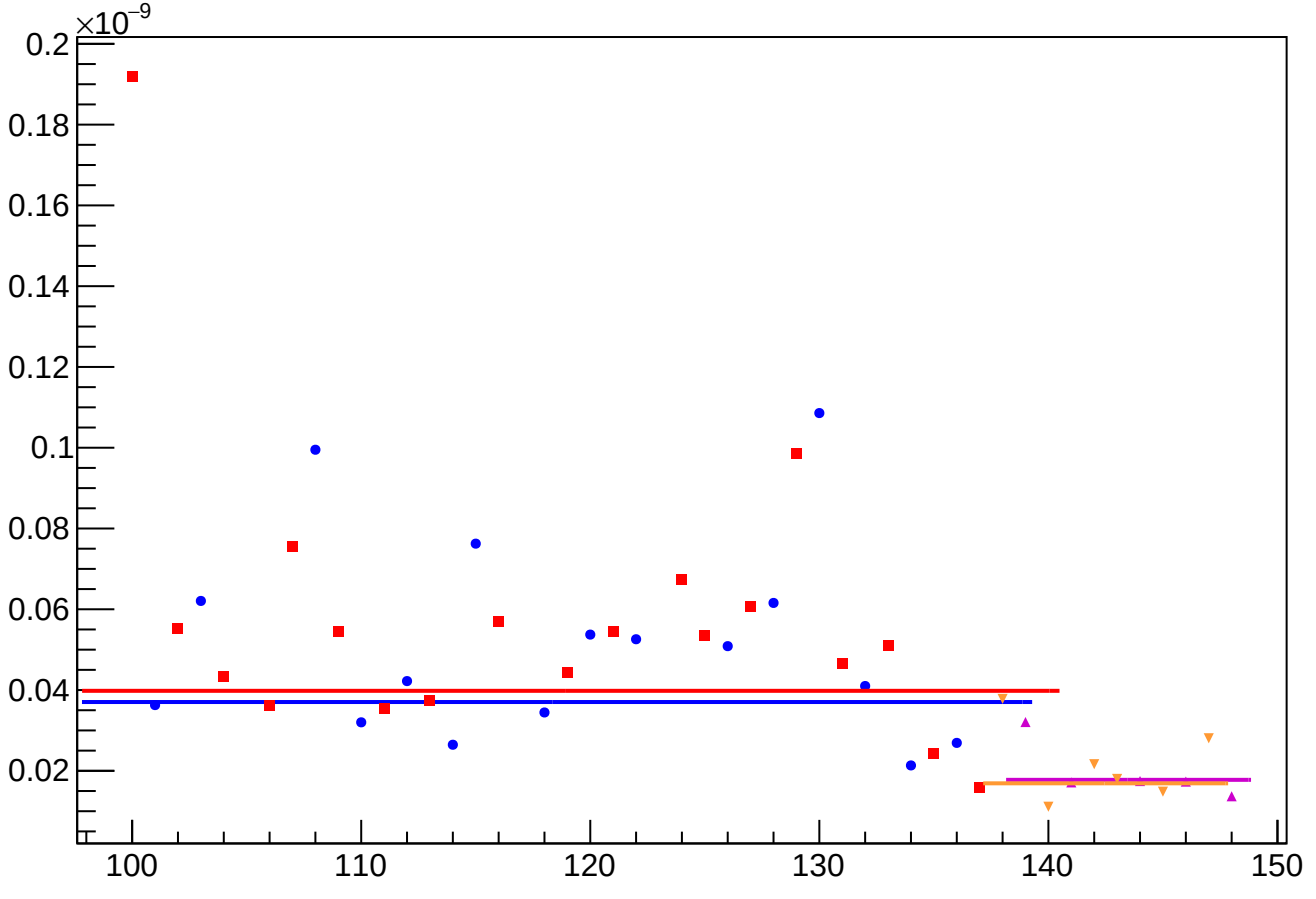
Left: -0.000+/-0.000 χ^2/NDF: 13.1/10

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:20.5/20

Out: 0.000+/-0.000 χ^2/NDF:14.2/24

All: -0.000+/-0.000 χ^2/NDF: 45.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:600324.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:238836.4/4

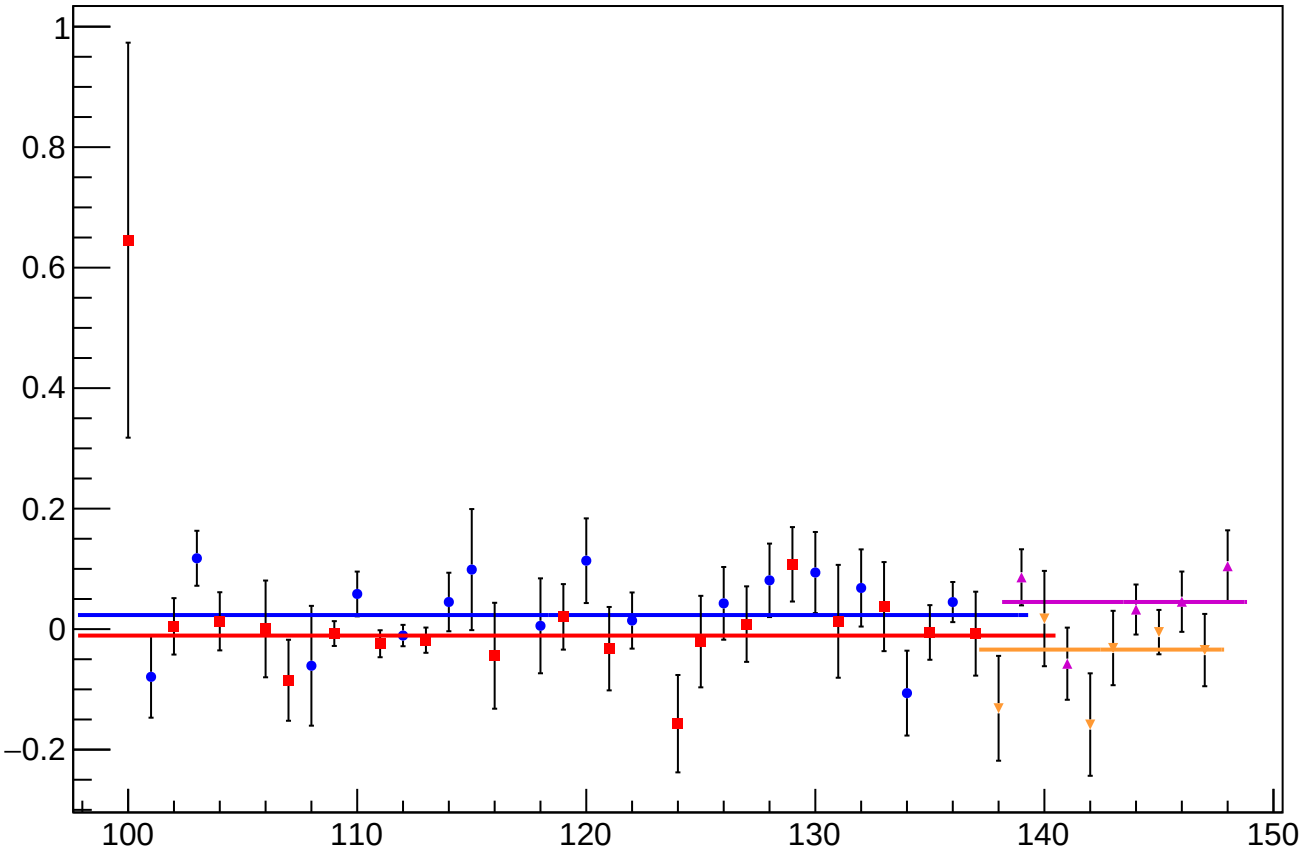
Left: 0.000+/-0.000 χ^2/NDF: 843568.2/10

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2365648.7/20

Out: 0.000+/-0.000 χ^2/NDF:3016024.3/24

All: 0.000+/-0.000 χ^2/NDF: 5387494.0/45



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

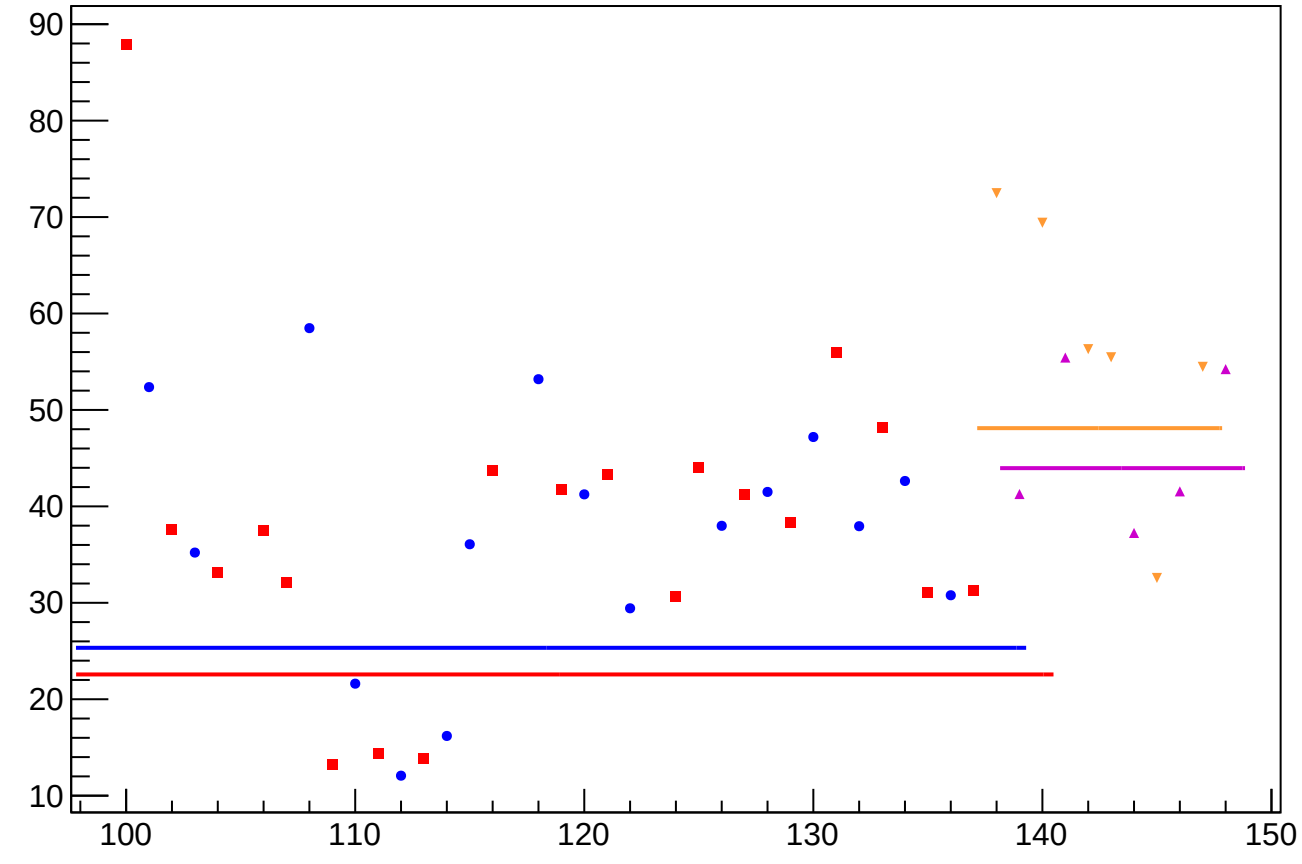
Left: 0.009+/-0.016 χ^2/NDF: 15.0/10

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.028+/-0.010 χ^2/NDF:26.3/20

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.005+/-0.007 χ^2/NDF: 55.3/45



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

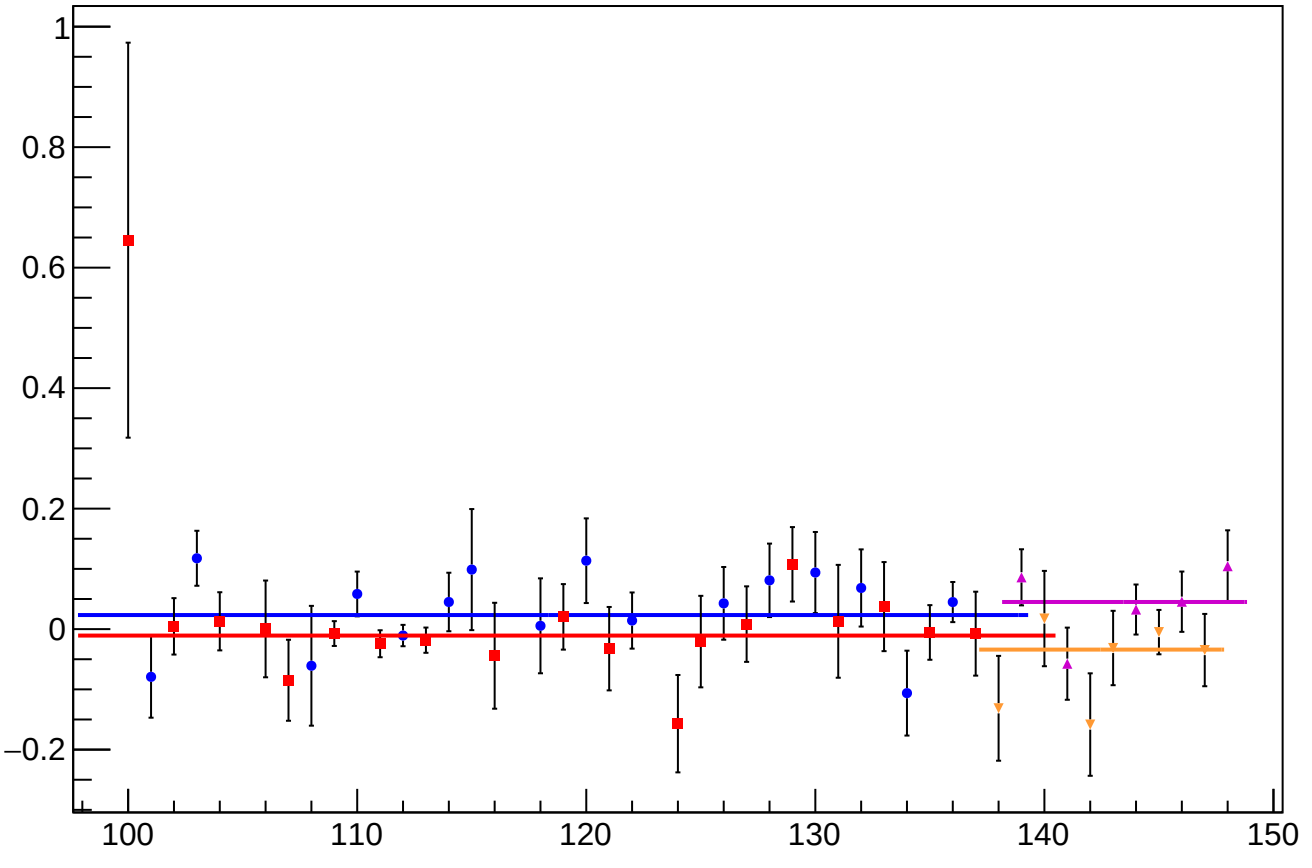
Left: 45.873+/-0.012 χ^2/NDF: 954982.2/10

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 29.002+/-0.007 χ^2/NDF:4237352.7/20

Out: 26.170+/-0.006 χ^2/NDF:5779976.9/24

All: 27.462+/-0.005 χ^2/NDF: 10105998.6/45



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

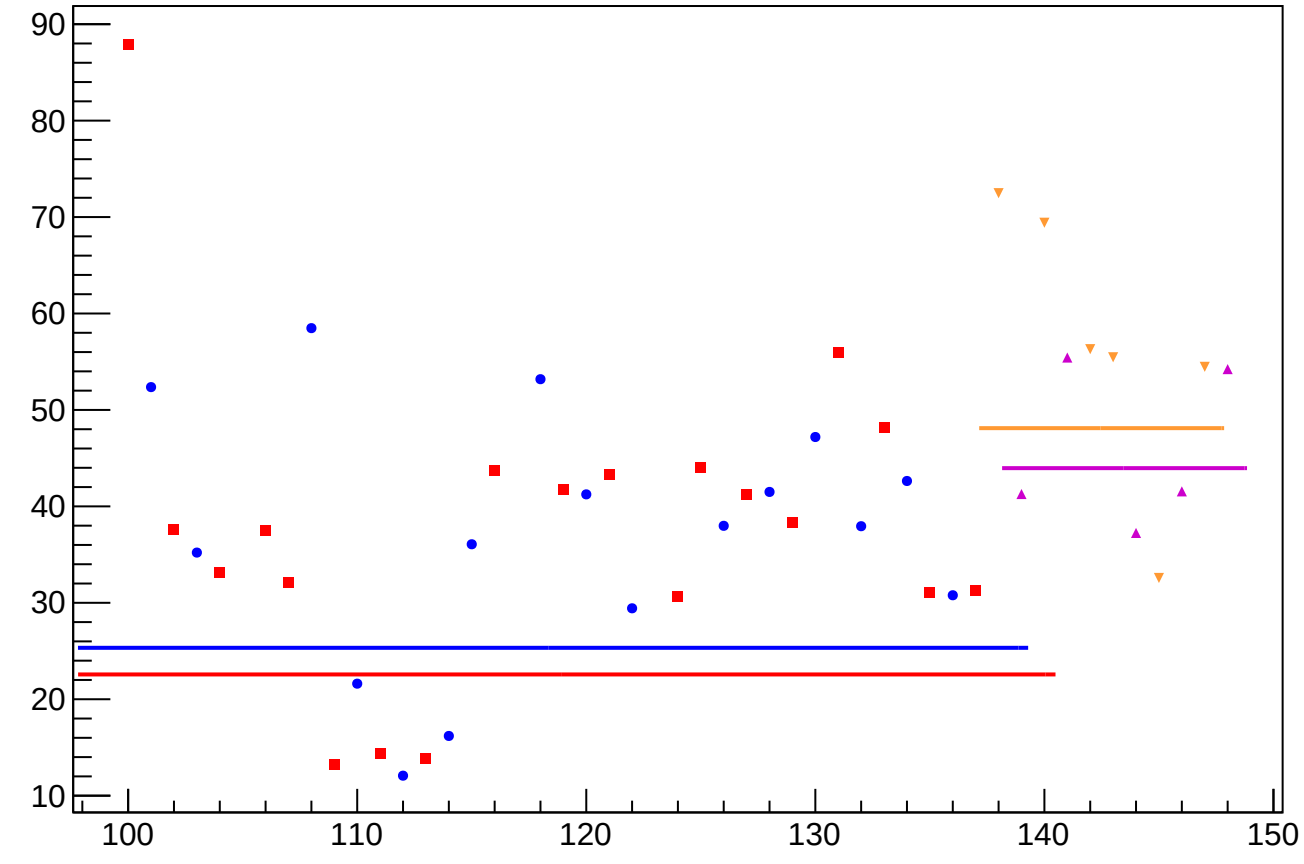
Left: 0.009+/-0.016 χ^2/NDF: 15.0/10

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.028+/-0.010 χ^2/NDF:26.3/20

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.005+/-0.007 χ^2/NDF: 55.3/45



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

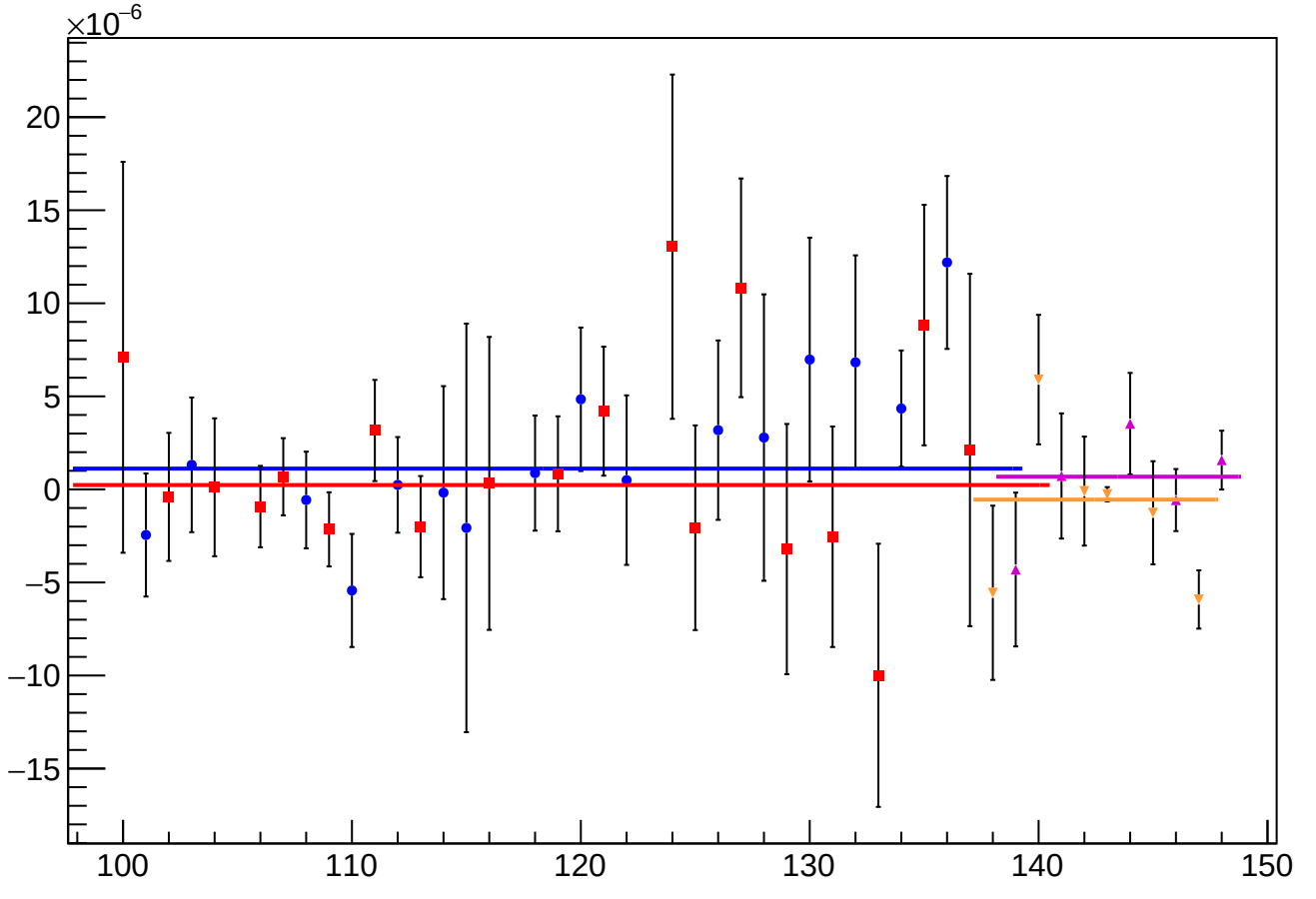
Left: 45.873+/-0.012 χ^2/NDF: 954982.2/10

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 29.002+/-0.007 χ^2/NDF:4237352.7/20

Out: 26.170+/-0.006 χ^2/NDF:5779976.9/24

All: 27.462+/-0.005 χ^2/NDF: 10105998.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/4

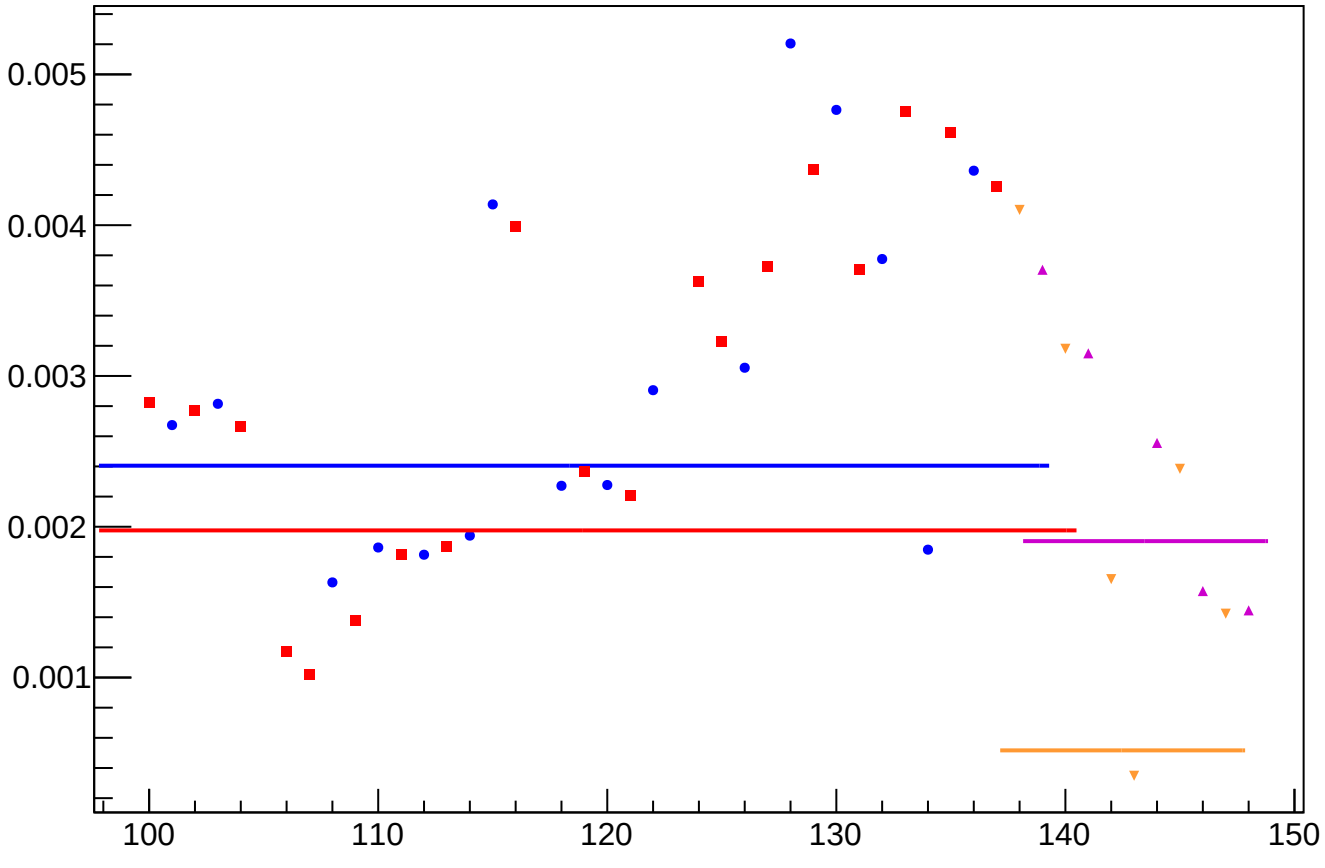
Left: -0.000+/-0.000 χ^2/NDF: 21.8/10

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:19.7/20

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 55.6/45



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:4604089.0/5

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1015794.8/4

Left: 0.001+/-0.000 χ^2/NDF: 9143633.8/10

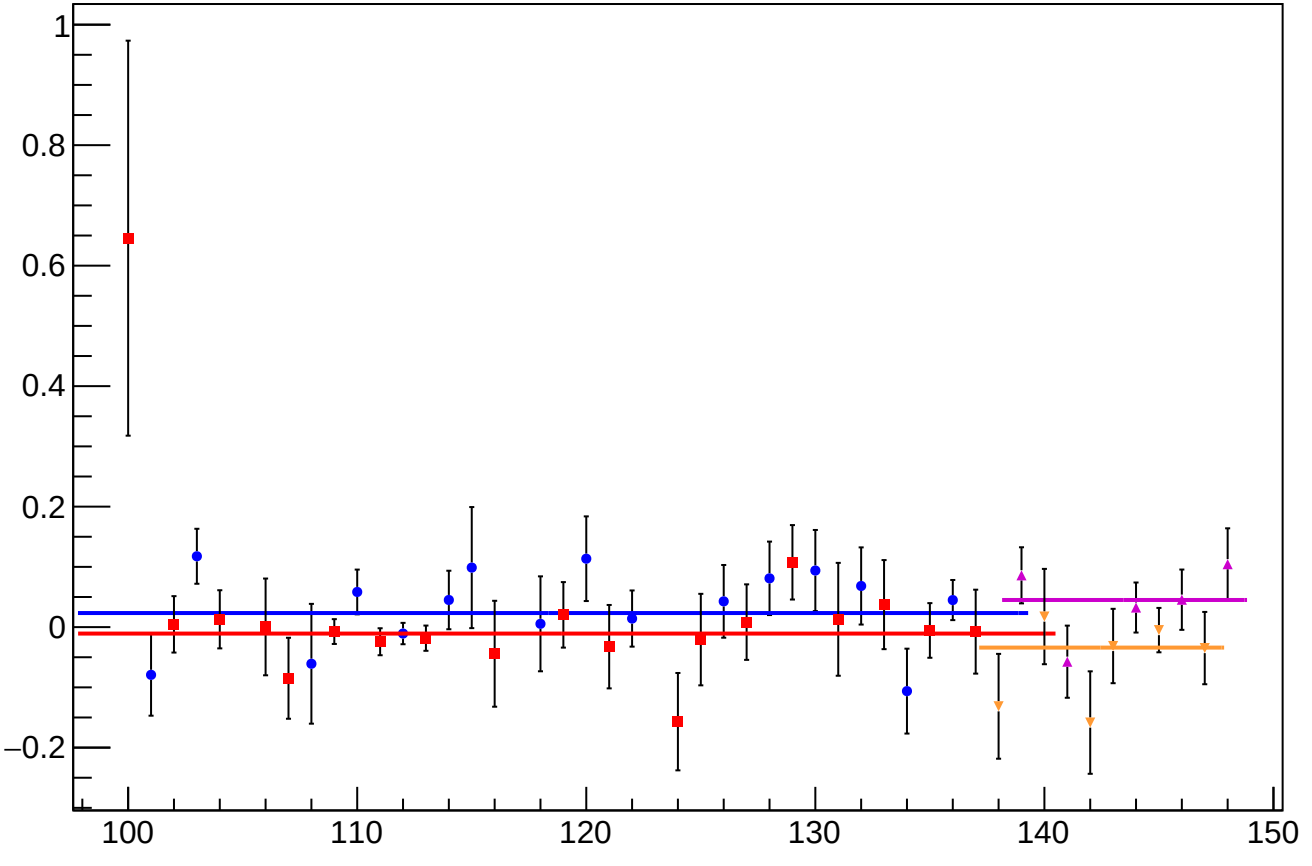
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:2855337.3/20

Out: 0.001+/-0.000 χ^2/NDF:12741738.8/24

All: 0.001+/-0.000 χ^2/NDF: 22364569.0/45

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

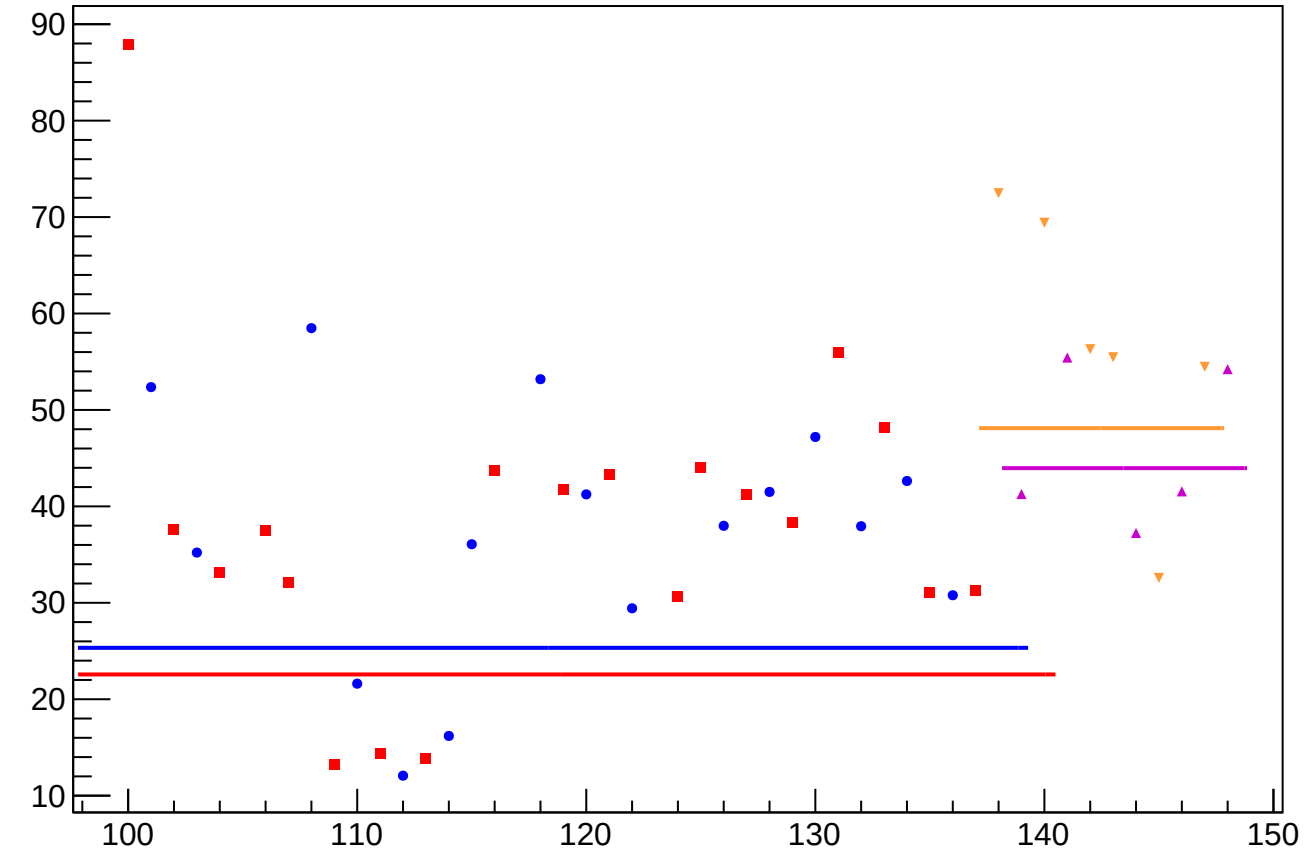
Left: 0.009+/-0.016 χ^2/NDF: 15.0/10

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.028+/-0.010 χ^2/NDF:26.3/20

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.005+/-0.007 χ^2/NDF: 55.3/45



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.111+/-0.017 χ^2/NDF:726784.7/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

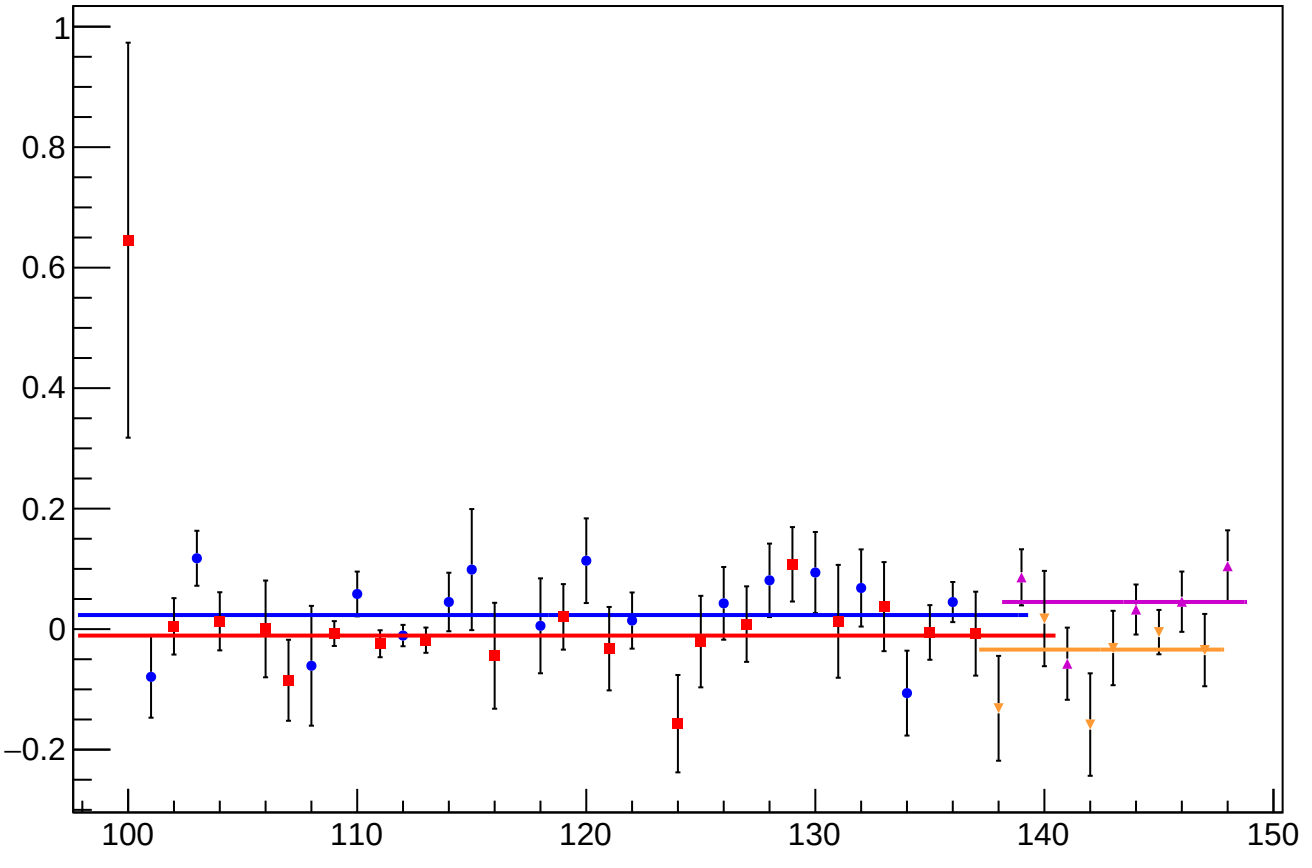
Left: 45.873+/-0.012 χ^2/NDF: 954941.5/10

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 29.001+/-0.007 χ^2/NDF:4237965.9/20

Out: 26.170+/-0.006 χ^2/NDF:5780184.2/24

All: 27.462+/-0.005 χ^2/NDF: 10106765.2/45



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

Left: 0.009+/-0.016 χ^2/NDF: 15.0/10

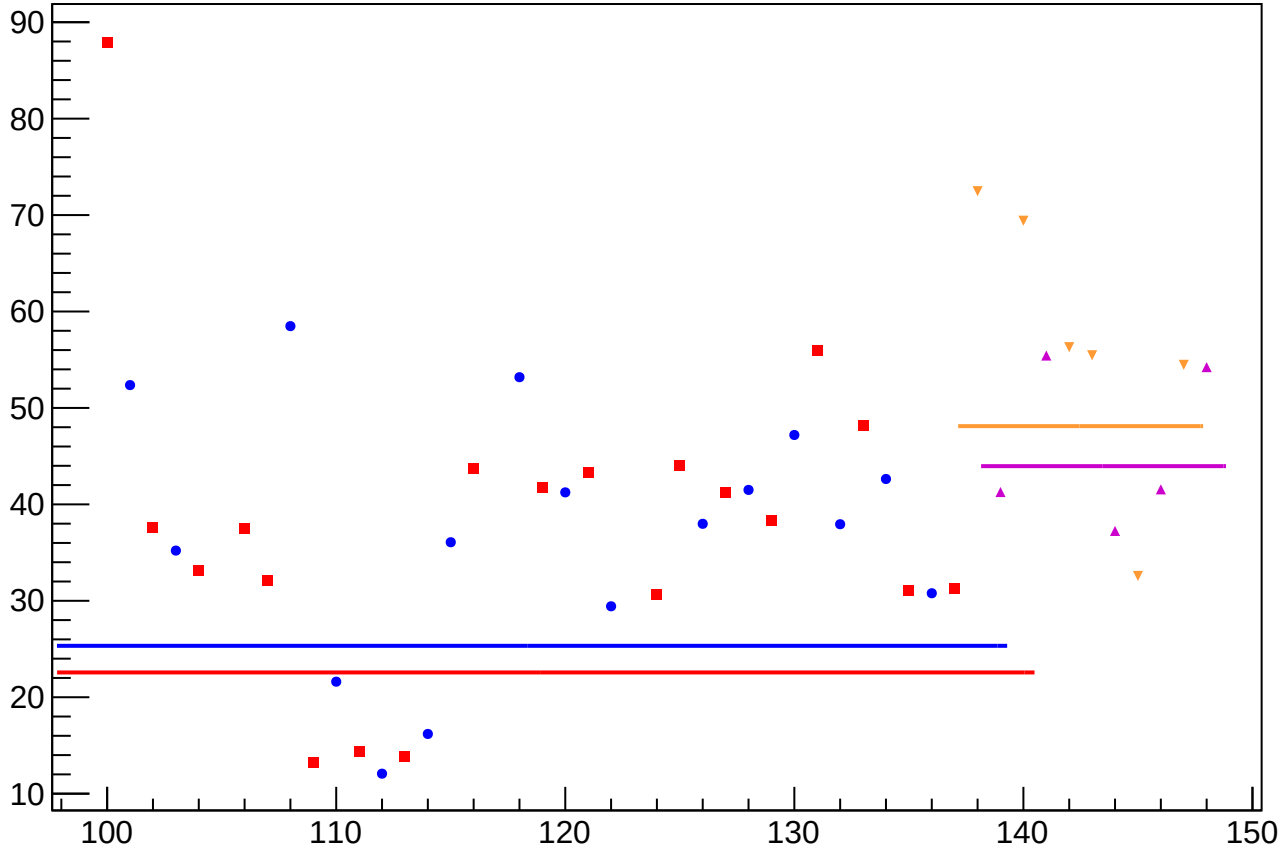
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.028+/-0.010 χ^2/NDF:26.3/20

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.005+/-0.007 χ^2/NDF: 55.3/45

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.111+/-0.017 χ^2/NDF:726784.7/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

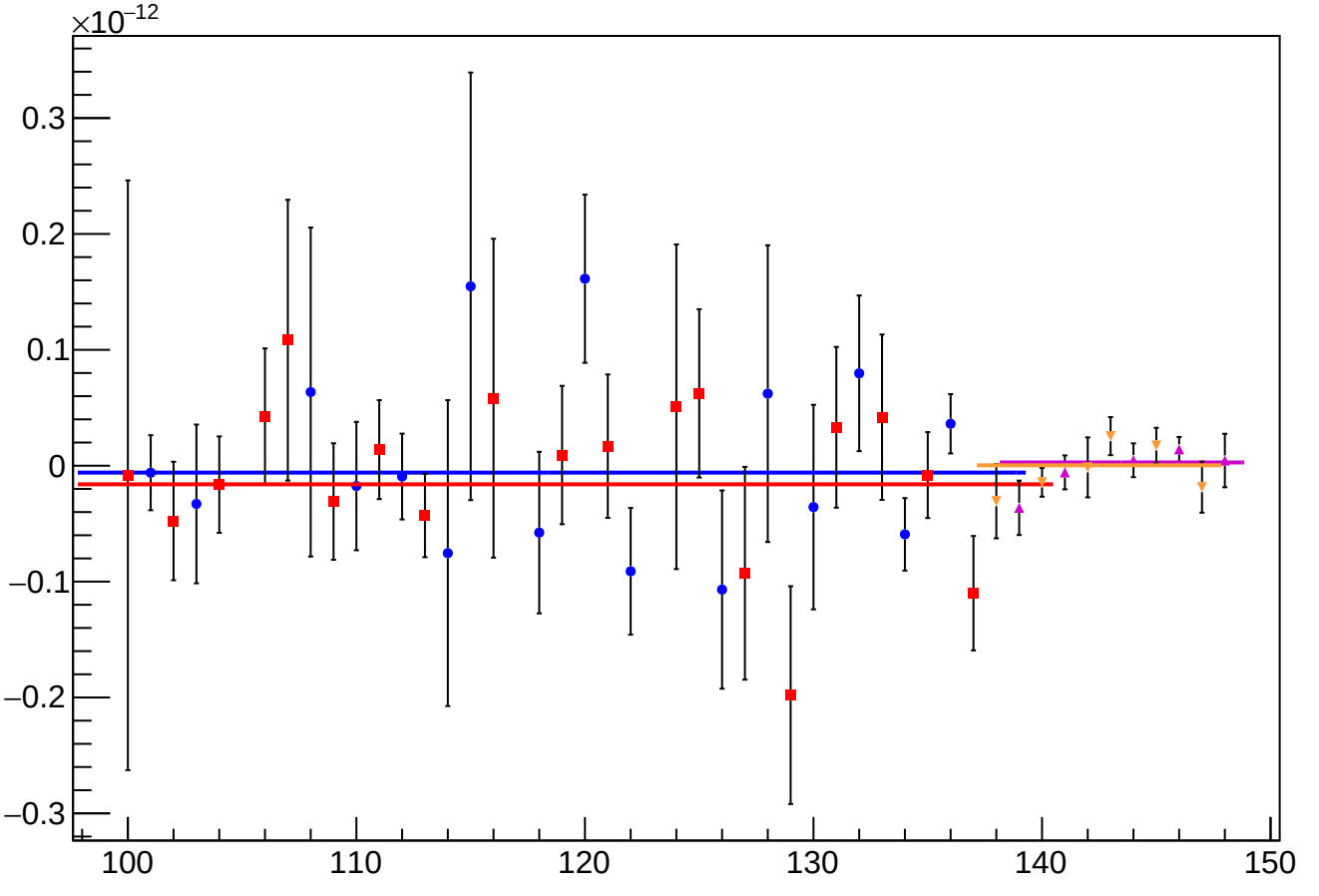
Left: 45.873+/-0.012 χ^2/NDF: 954941.5/10

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 29.001+/-0.007 χ^2/NDF:4237965.9/20

Out: 26.170+/-0.006 χ^2/NDF:5780184.2/24

All: 27.462+/-0.005 χ^2/NDF: 10106765.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/4

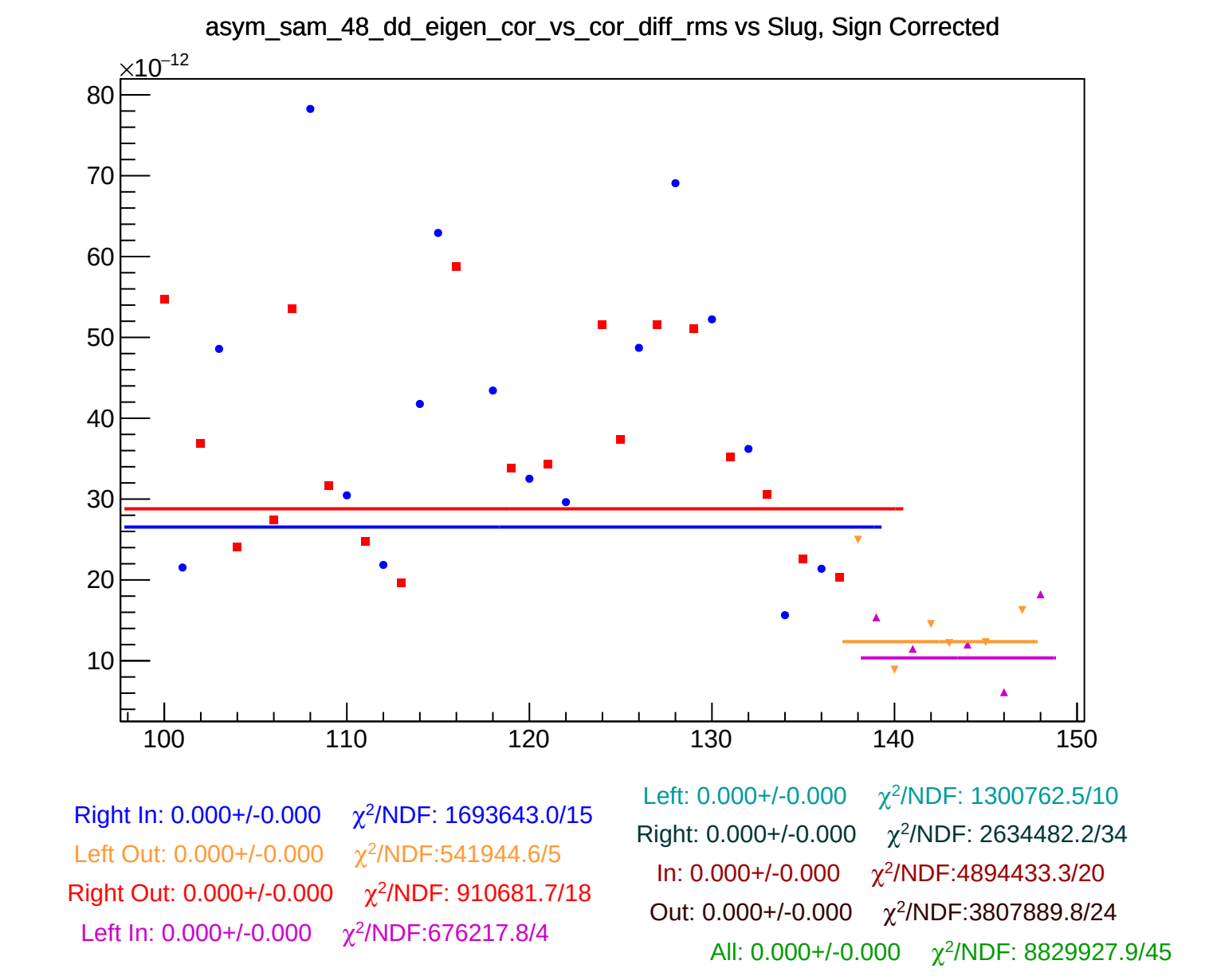
Left: 0.000+/-0.000 χ^2/NDF: 11.0/10

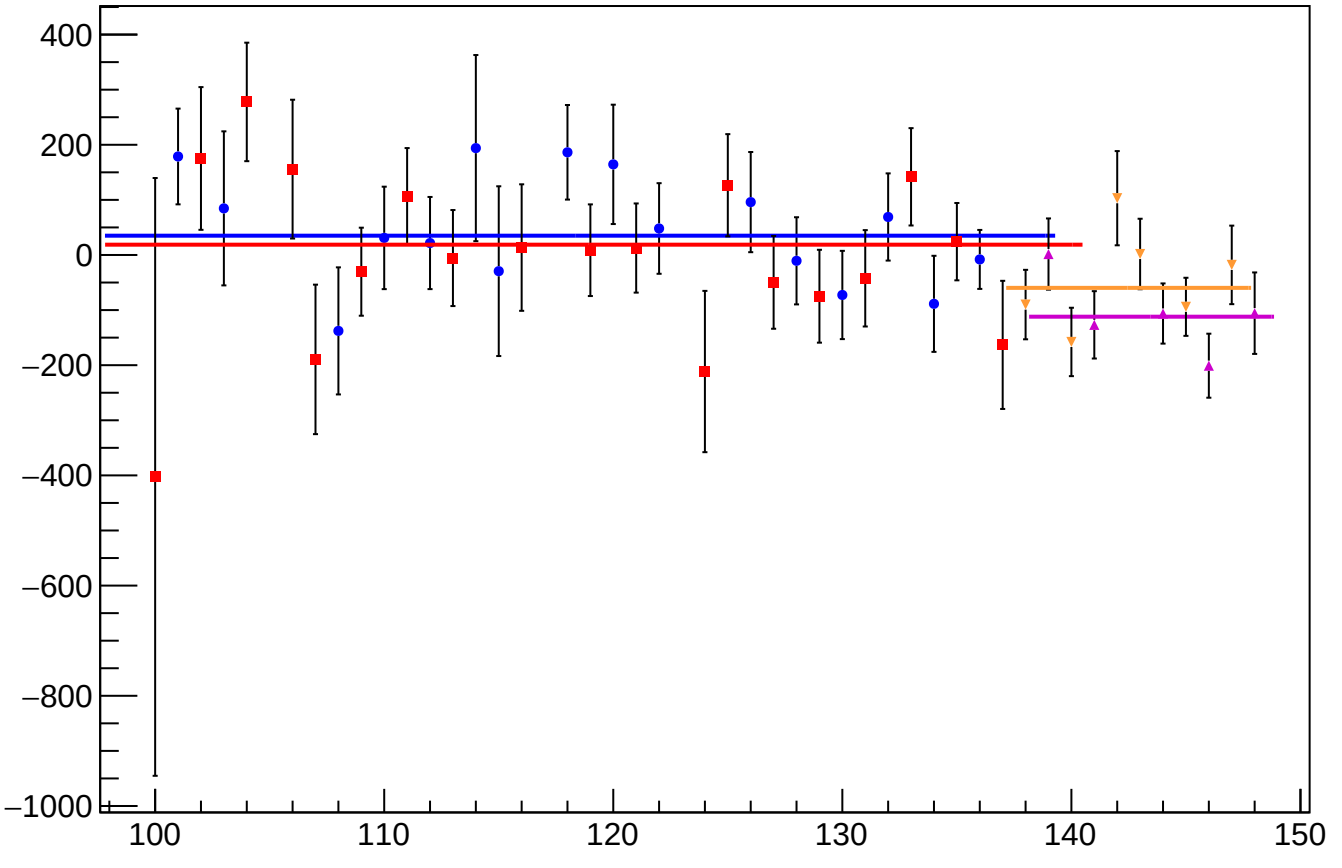
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:23.4/20

Out: -0.000+/-0.000 χ^2/NDF:22.8/24

All: -0.000+/-0.000 χ^2/NDF: 46.5/45


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:541944.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:676217.8/4
Left: 0.000+/-0.000 χ²/NDF: 1300762.5/10
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:4894433.3/20
Out: 0.000+/-0.000 χ²/NDF:3807889.8/24
All: 0.000+/-0.000 χ²/NDF: 8829927.9/45



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.677+/-26.268 χ^2/NDF:8.0/5

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -111.993+/-27.506 χ^2/NDF:5.5/4

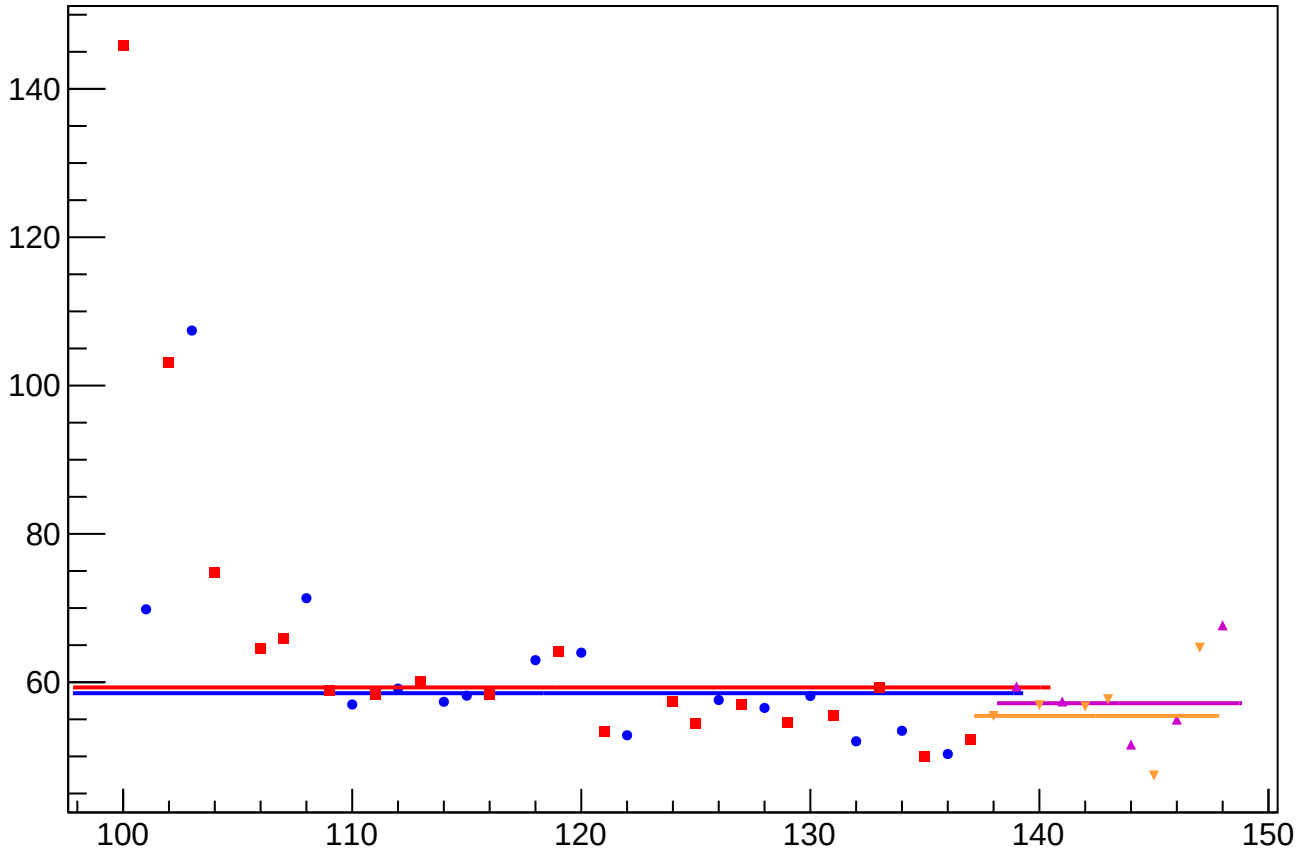
Left: -84.631+/-18.997 χ^2/NDF: 15.5/10

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -22.762+/-17.244 χ^2/NDF:39.0/20

Out: -13.854+/-16.928 χ^2/NDF:36.8/24

All: -18.225+/-12.080 χ^2/NDF: 75.9/45



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

Left: 56.281+/-0.013 χ^2/NDF: 154344.2/10

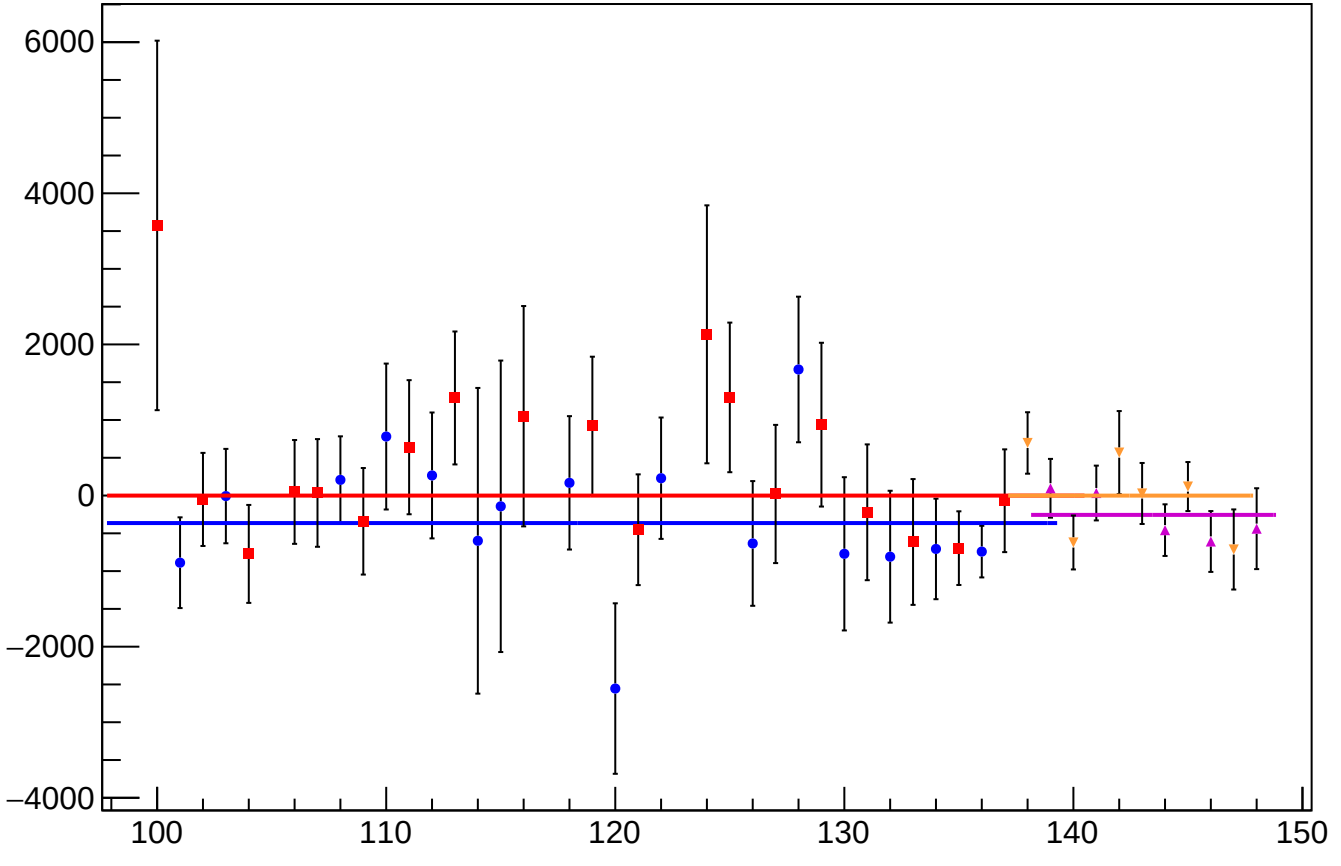
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.992+/-0.012 χ^2/NDF:462192.4/20

Out: 57.709+/-0.012 χ^2/NDF:515308.2/24

All: 57.848+/-0.009 χ^2/NDF: 977776.4/45

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -0.786+/-165.737 χ^2/NDF:9.0/5

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -255.951+/-175.524 χ^2/NDF:2.7/4

Left: -121.057+/-120.505 χ^2/NDF: 12.8/10

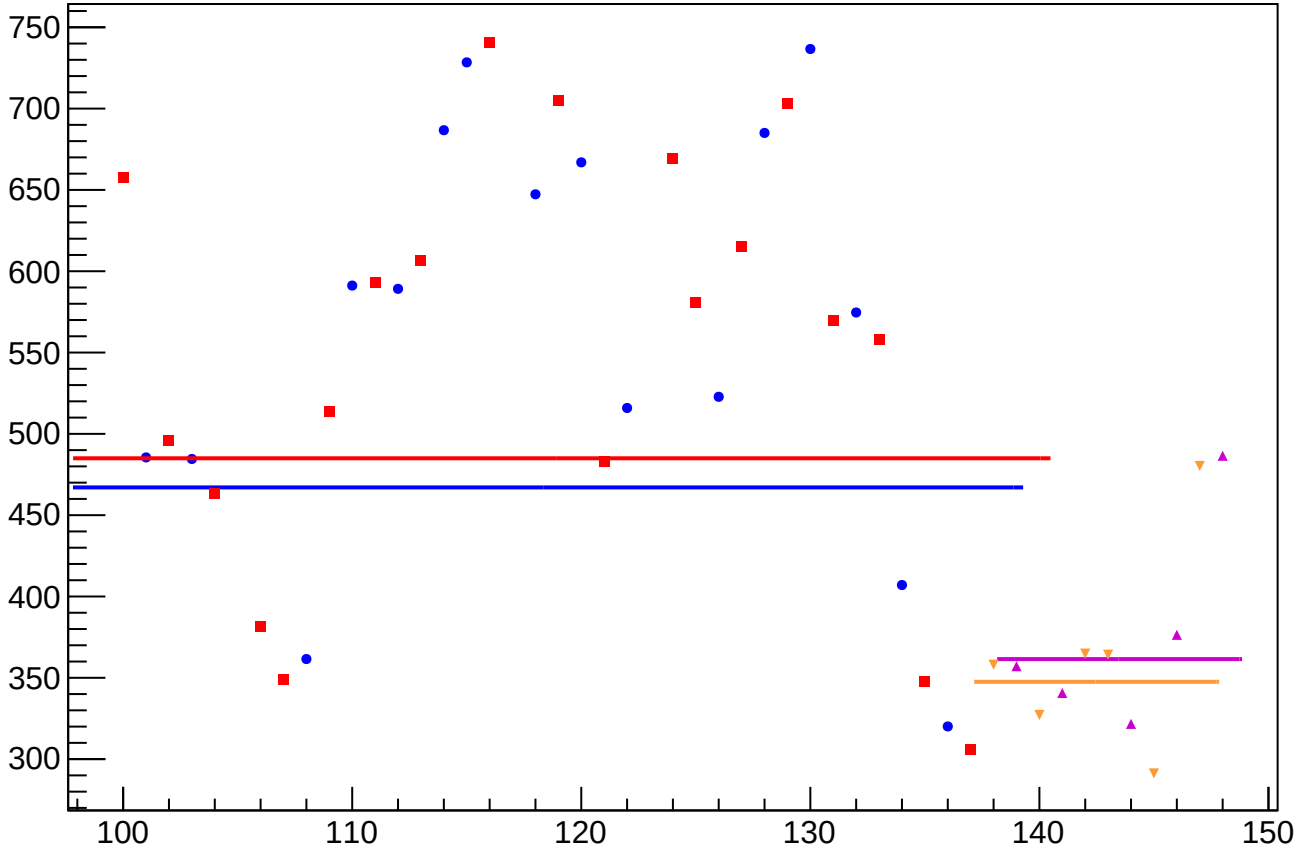
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -308.472+/-125.871 χ^2/NDF:18.1/20

Out: -0.688+/-122.870 χ^2/NDF:24.1/24

All: -150.869+/-87.924 χ^2/NDF: 45.2/45

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: 347.549+/-0.117 χ^2/NDF:198970.3/5

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 361.508+/-0.124 χ^2/NDF:146005.8/4

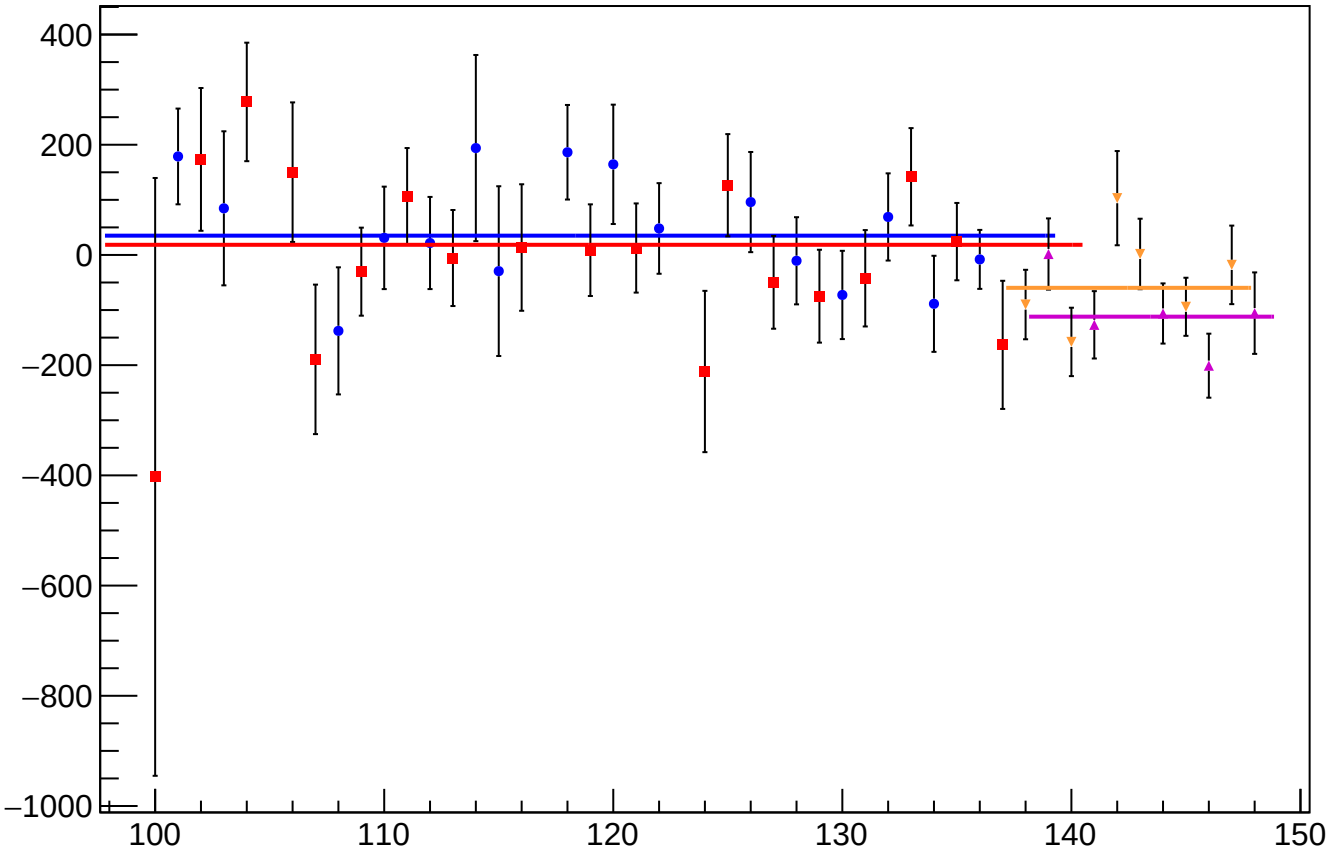
Left: 354.128+/-0.085 χ^2/NDF: 351663.5/10

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 412.783+/-0.089 χ^2/NDF:1527657.6/20

Out: 409.447+/-0.087 χ^2/NDF:1692459.1/24

All: 411.075+/-0.062 χ^2/NDF: 3220836.3/45



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.680+/-26.268 χ^2/NDF:8.0/5

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -111.993+/-27.506 χ^2/NDF:5.5/4

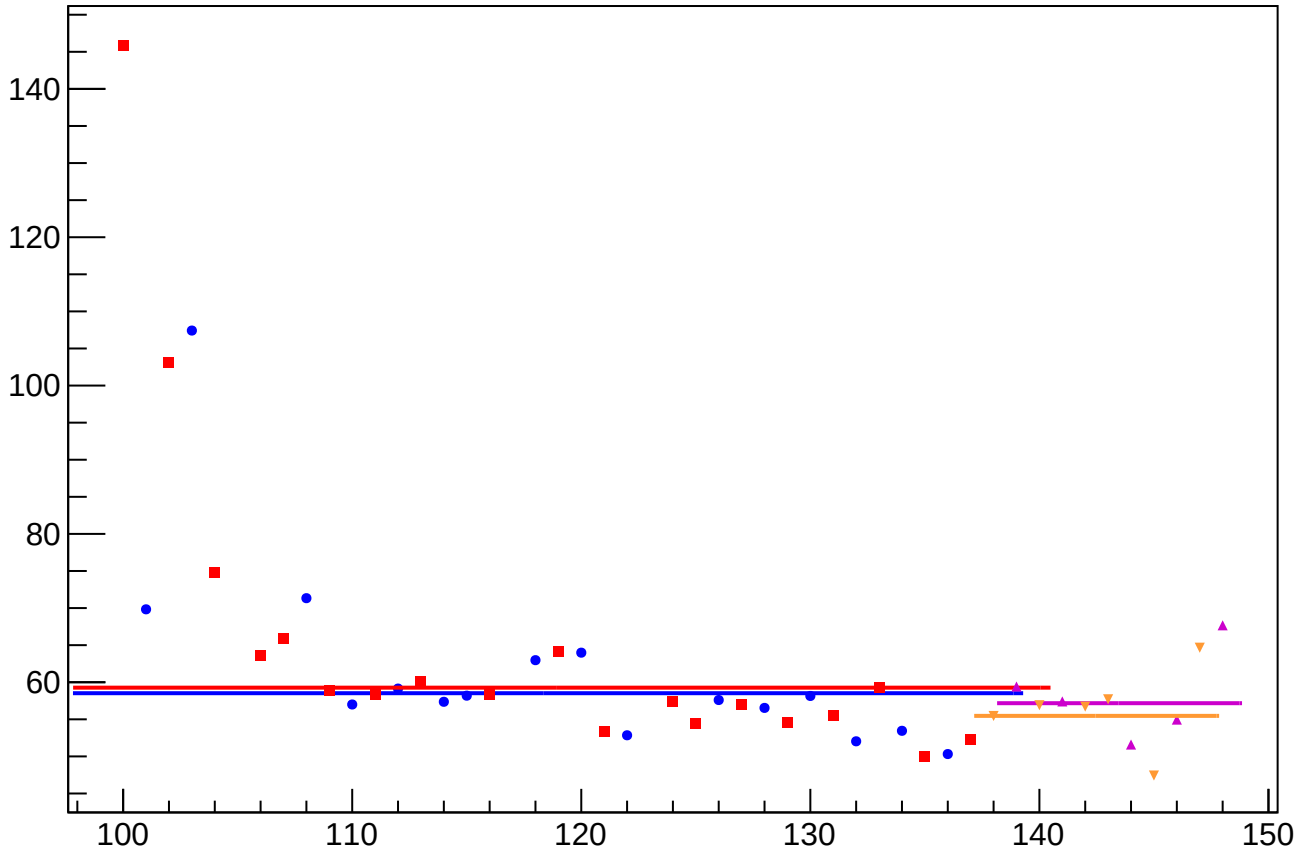
Left: -84.632+/-18.997 χ^2/NDF: 15.5/10

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -22.763+/-17.244 χ^2/NDF:39.0/20

Out: -14.022+/-16.929 χ^2/NDF:36.6/24

All: -18.312+/-12.081 χ^2/NDF: 75.8/45



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

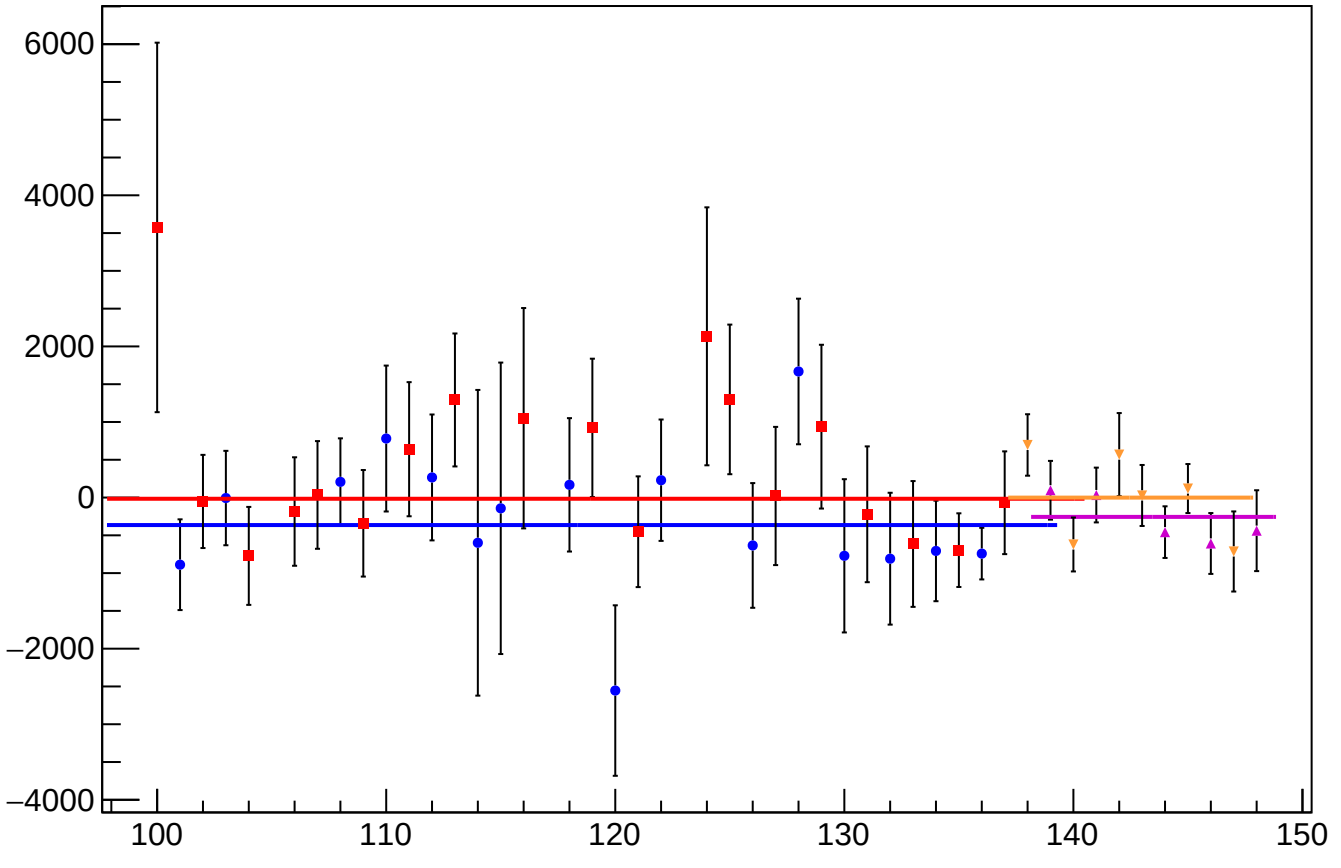
Left: 56.281+/-0.013 χ^2/NDF: 154344.2/10

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.992+/-0.012 χ^2/NDF:462194.5/20

Out: 57.690+/-0.012 χ^2/NDF:513897.2/24

All: 57.838+/-0.009 χ^2/NDF: 976405.5/45



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -0.790+/-165.737 χ^2/NDF:9.0/5

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -255.948+/-175.524 χ^2/NDF:2.7/4

Left: -121.057+/-120.505 χ^2/NDF: 12.8/10

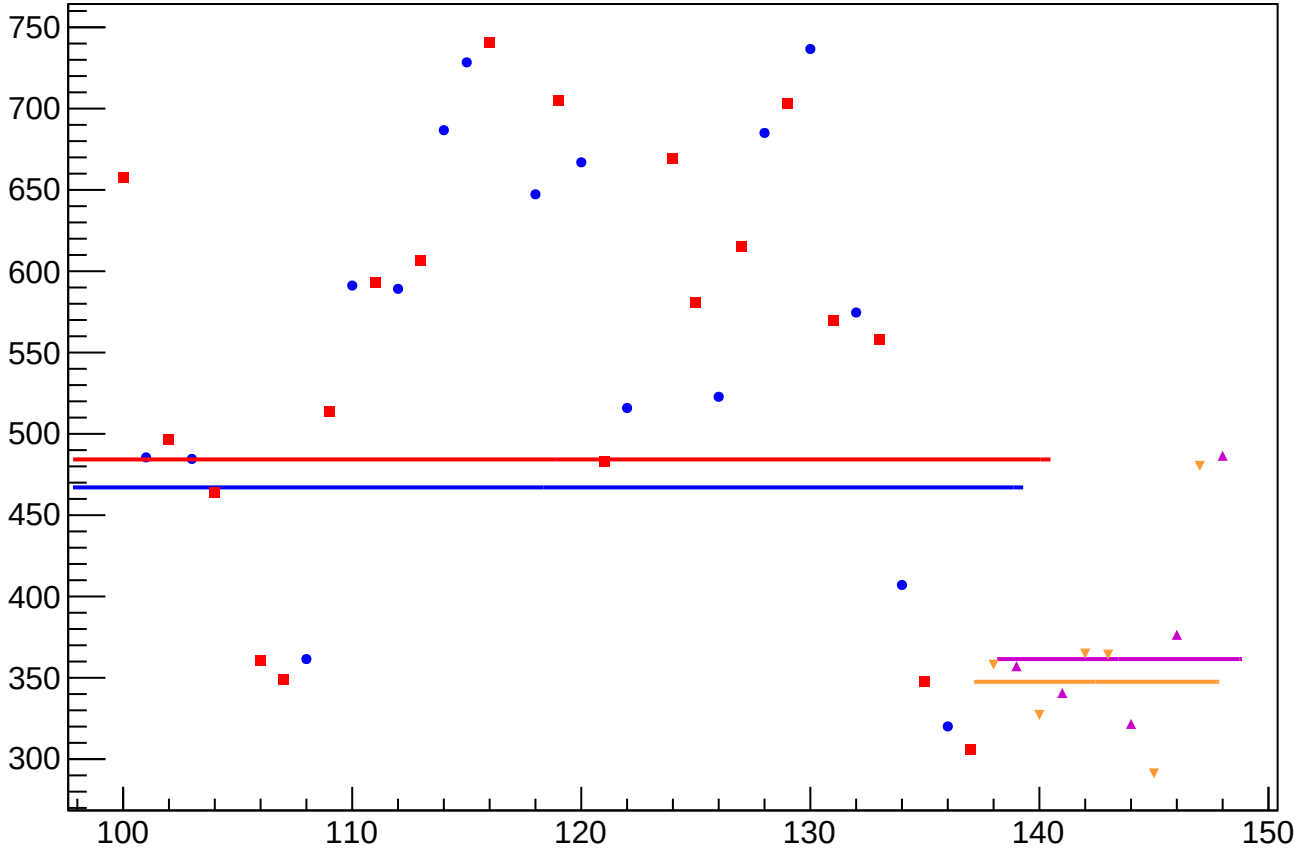
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -308.453+/-125.871 χ^2/NDF:18.1/20

Out: -7.656+/-123.041 χ^2/NDF:24.1/24

All: -154.635+/-87.986 χ^2/NDF: 45.1/45

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.549+/-0.117 χ^2/NDF:198971.1/5

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

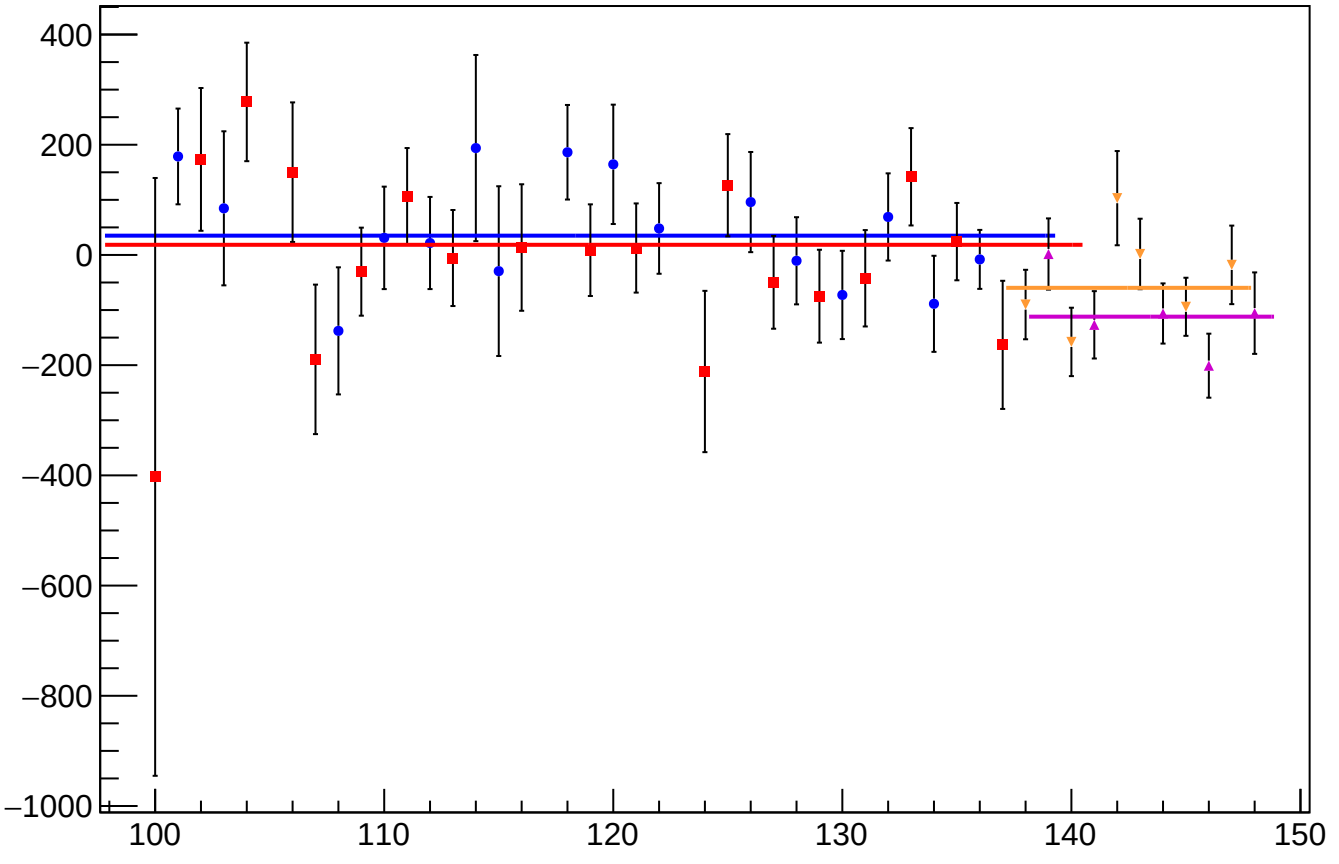
Left: 354.128+/-0.085 χ^2/NDF: 351663.9/10

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 412.784+/-0.089 χ^2/NDF:1527673.9/20

Out: 408.919+/-0.087 χ^2/NDF:1698714.0/24

All: 410.808+/-0.062 χ^2/NDF: 3227352.2/45



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.680+/-26.268 χ^2/NDF:8.0/5

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -111.993+/-27.506 χ^2/NDF:5.5/4

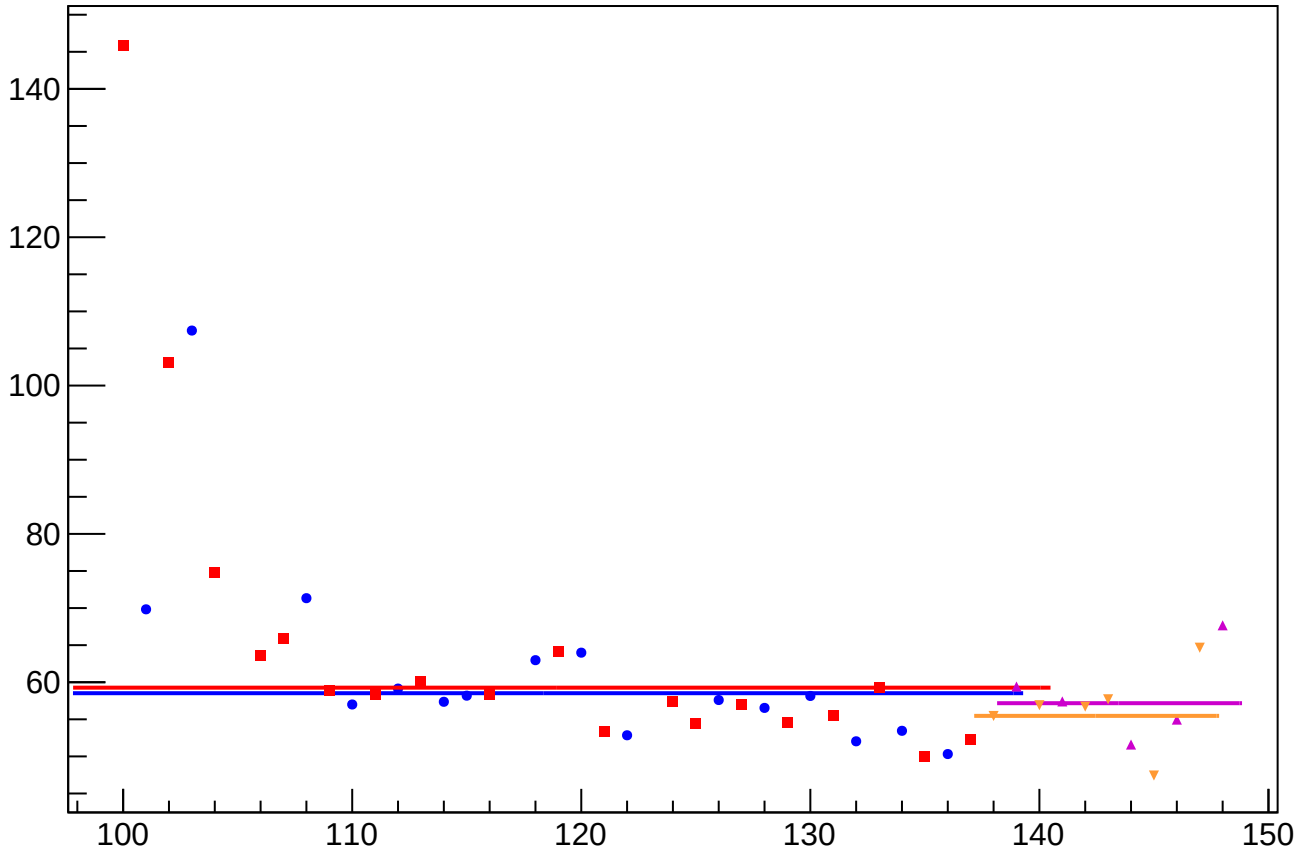
Left: -84.632+/-18.997 χ^2/NDF: 15.5/10

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -22.763+/-17.244 χ^2/NDF:39.0/20

Out: -14.022+/-16.929 χ^2/NDF:36.6/24

All: -18.312+/-12.081 χ^2/NDF: 75.8/45



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

Left: 56.281+/-0.013 χ^2/NDF: 154344.2/10

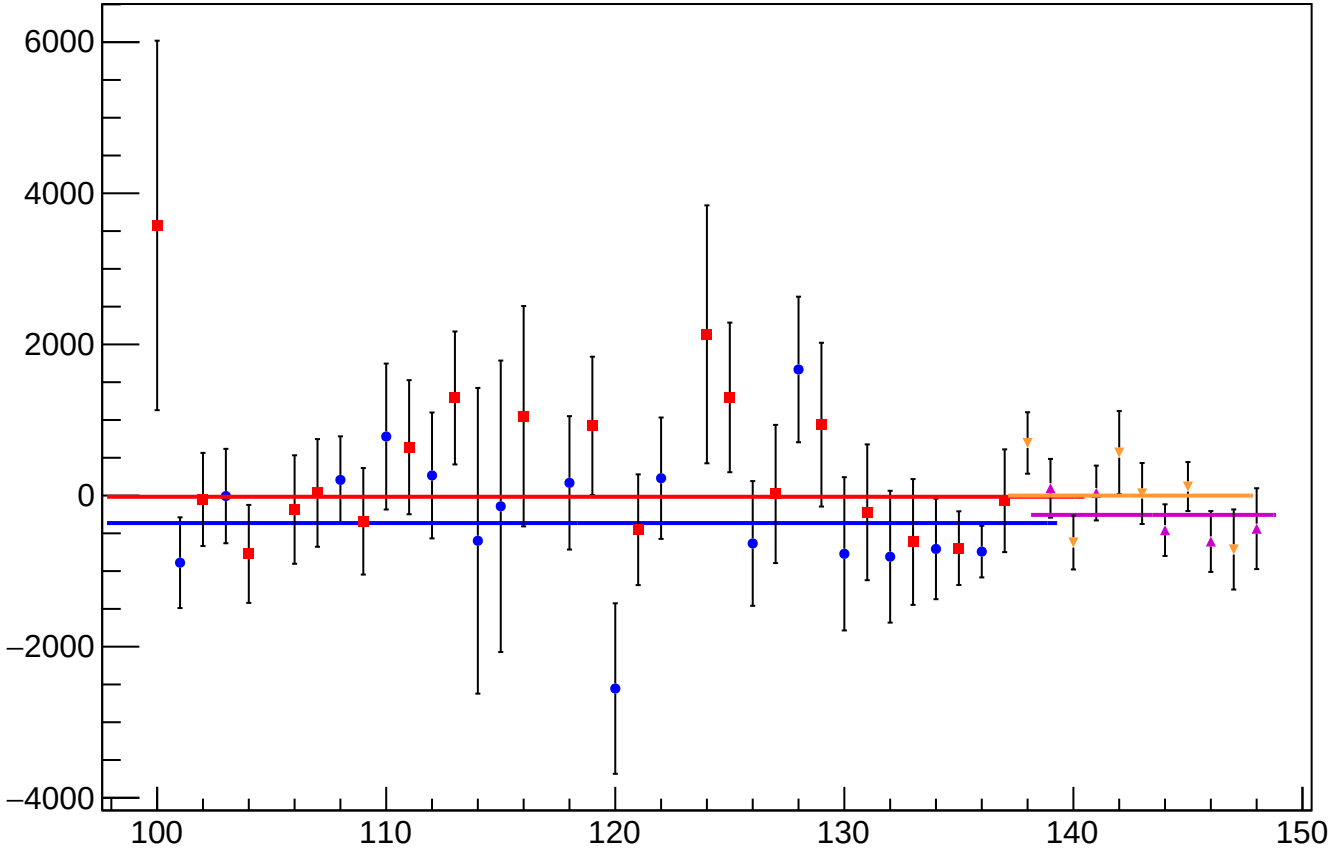
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.992+/-0.012 χ^2/NDF:462194.5/20

Out: 57.690+/-0.012 χ^2/NDF:513897.2/24

All: 57.838+/-0.009 χ^2/NDF: 976405.5/45

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: -0.790+/-165.737 χ^2/NDF:9.0/5

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -255.948+/-175.524 χ^2/NDF:2.7/4

Left: -121.057+/-120.505 χ^2/NDF: 12.8/10

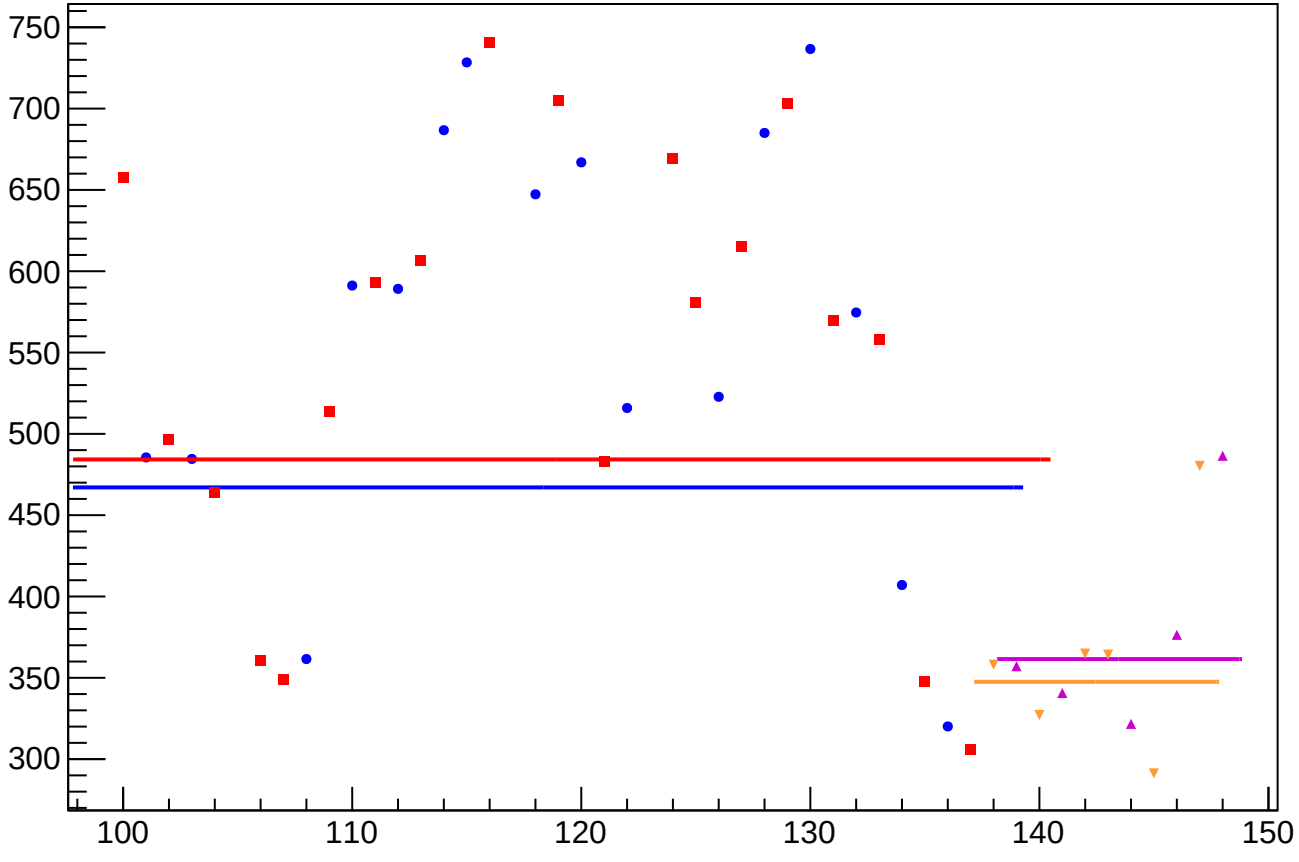
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -308.453+/-125.871 χ^2/NDF:18.1/20

Out: -7.656+/-123.041 χ^2/NDF:24.1/24

All: -154.635+/-87.986 χ^2/NDF: 45.1/45

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: 347.549+/-0.117 χ^2/NDF:198971.1/5

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

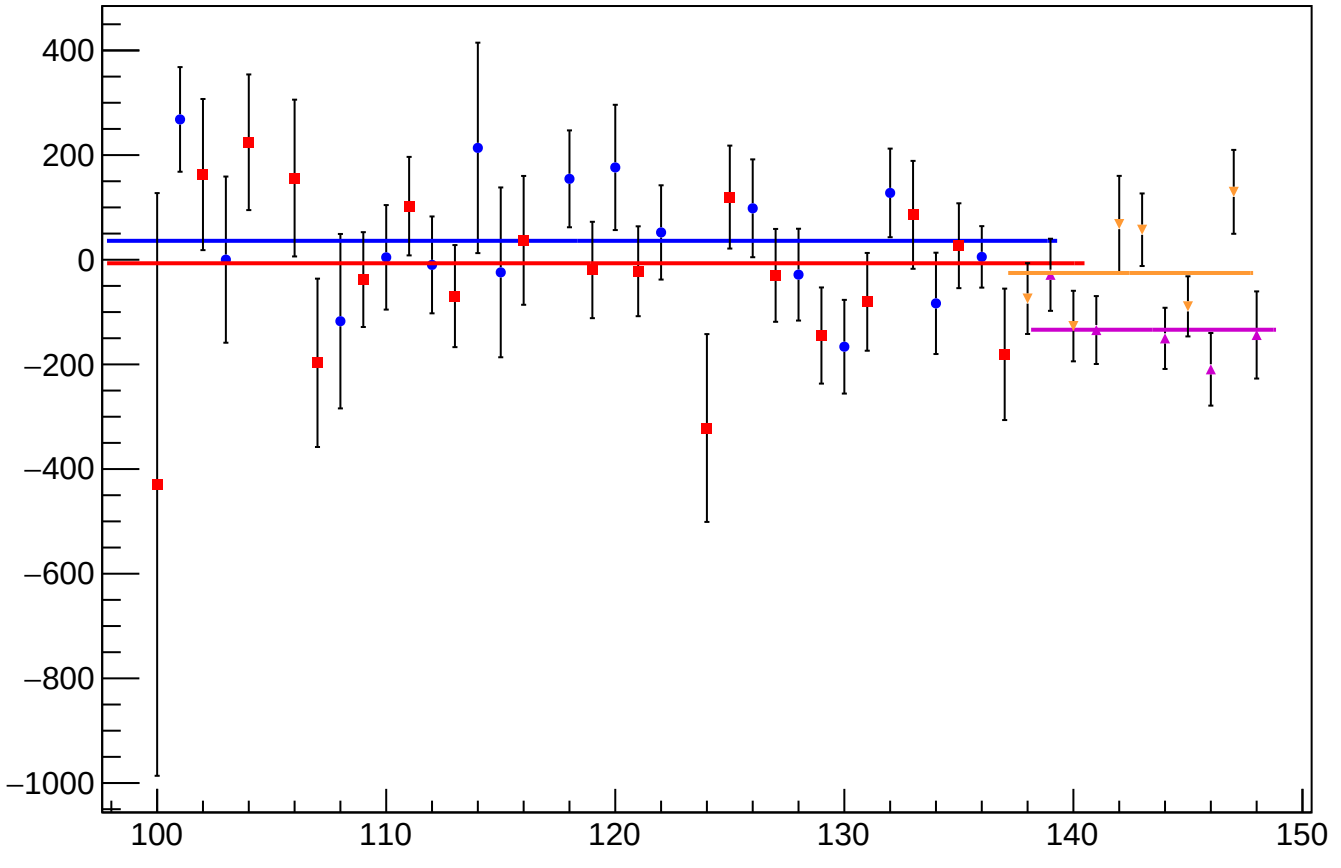
Left: 354.128+/-0.085 χ^2/NDF: 351663.9/10

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 412.784+/-0.089 χ^2/NDF:1527673.9/20

Out: 408.919+/-0.087 χ^2/NDF:1698714.0/24

All: 410.808+/-0.062 χ^2/NDF: 3227352.2/45



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -25.295+/-28.598 χ^2/NDF:10.2/5

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.761+/-30.255 χ^2/NDF:3.6/4

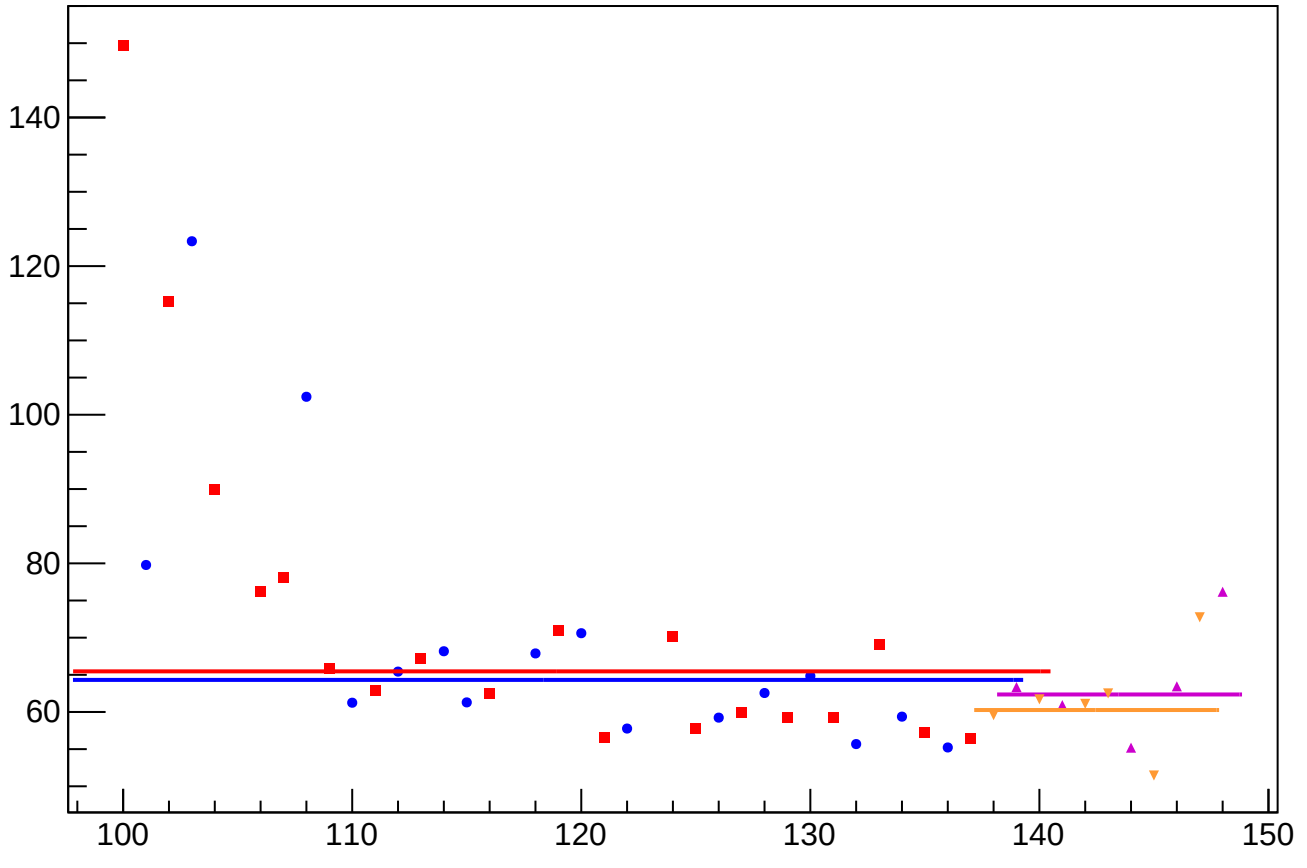
Left: -76.475+/-20.783 χ^2/NDF: 20.6/10

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -31.042+/-19.027 χ^2/NDF:42.3/20

Out: -14.615+/-18.634 χ^2/NDF:30.8/24

All: -22.657+/-13.313 χ^2/NDF: 73.5/45



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 60.263+/-0.020 χ^2/NDF:98872.9/5

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.356+/-0.021 χ^2/NDF:86942.9/4

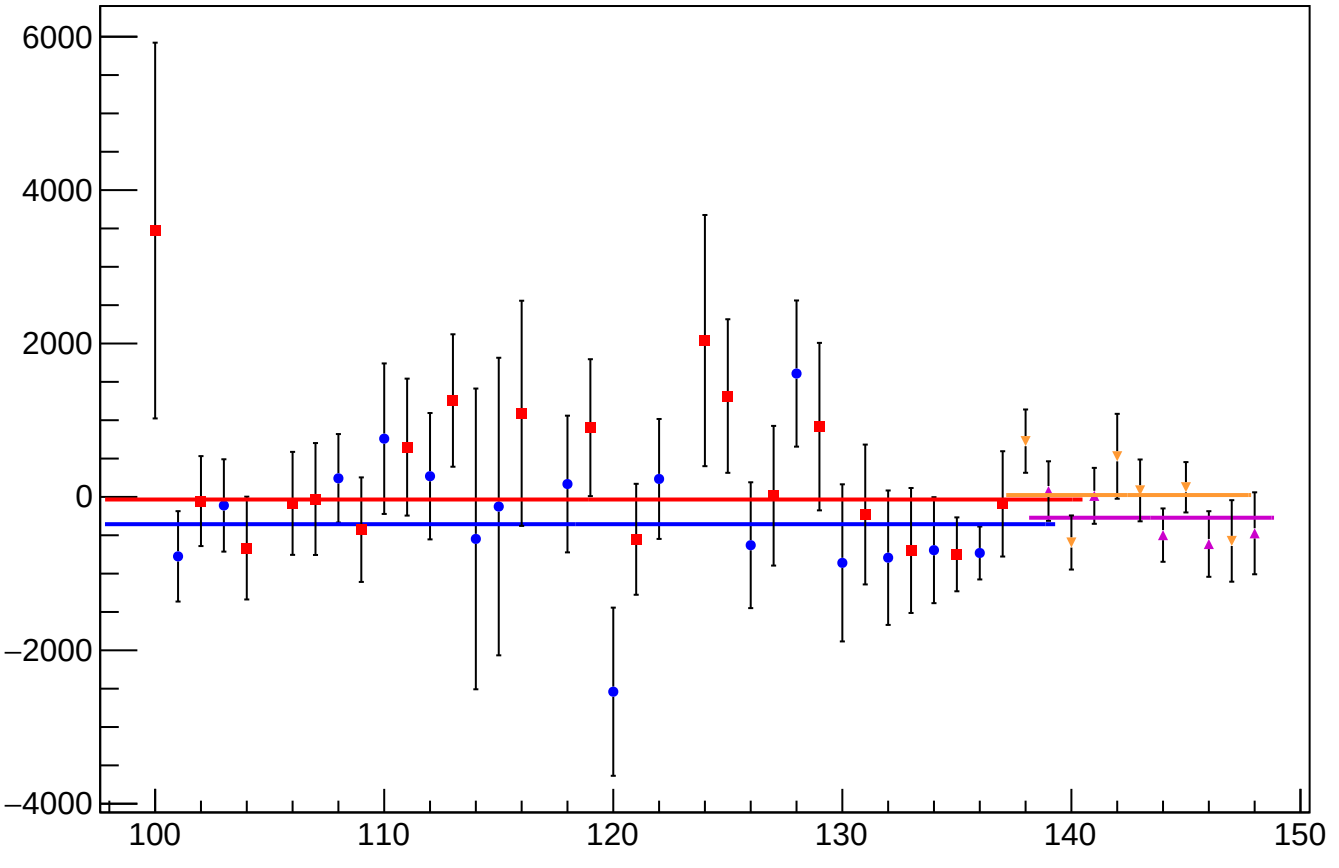
Left: 61.251+/-0.015 χ^2/NDF: 190871.0/10

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.541+/-0.013 χ^2/NDF:624081.3/20

Out: 63.257+/-0.013 χ^2/NDF:619324.1/24

All: 63.396+/-0.009 χ^2/NDF: 1243633.0/45



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 24.402+/-166.316 χ^2/NDF:8.2/5

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -271.376+/-178.464 χ^2/NDF:2.6/4

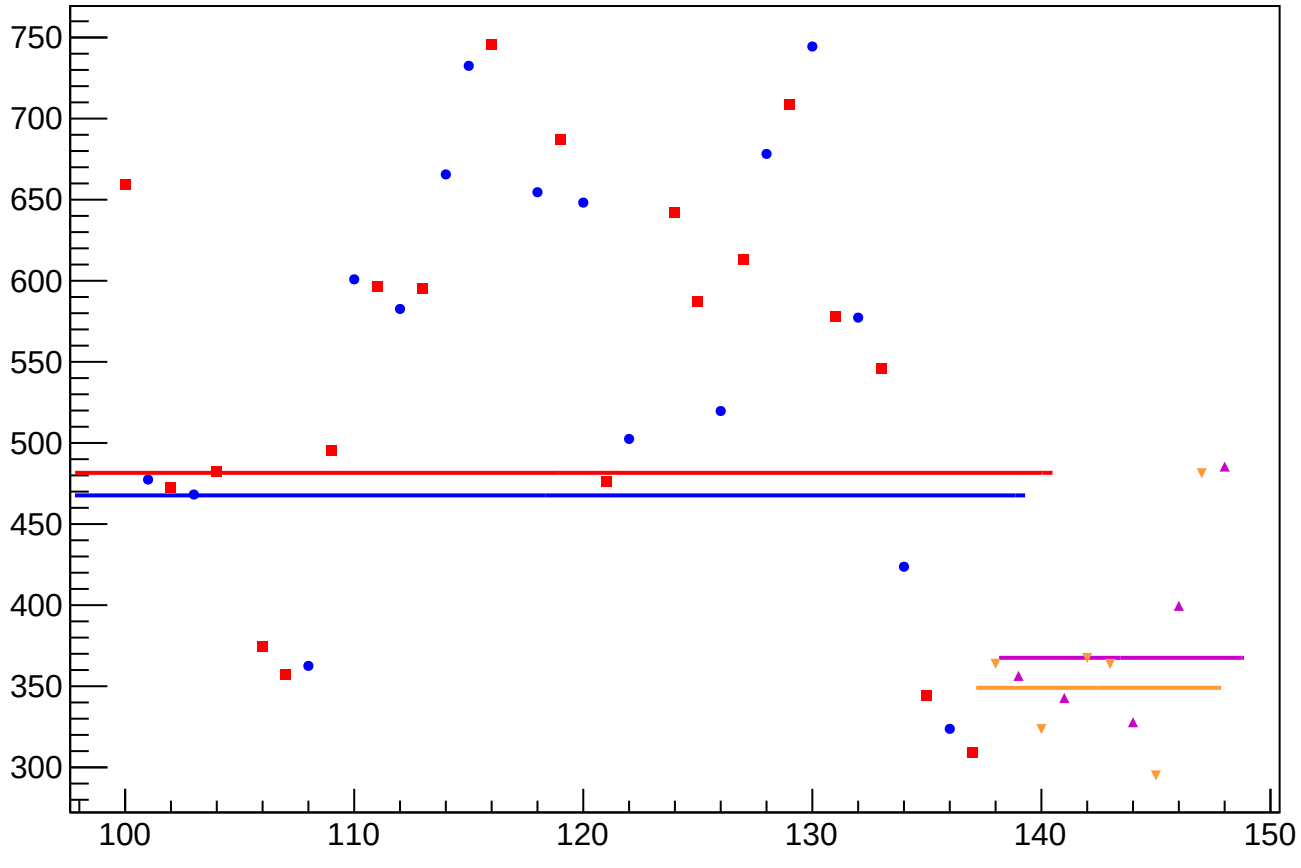
Left: -113.079+/-121.672 χ^2/NDF: 12.3/10

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -313.014+/-126.849 χ^2/NDF:17.5/20

Out: -2.147+/-122.639 χ^2/NDF:23.7/24

All: -152.336+/-88.170 χ^2/NDF: 44.3/45



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 349.030+/-0.118 χ^2/NDF:195956.6/5

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 367.533+/-0.126 χ^2/NDF:145572.9/4

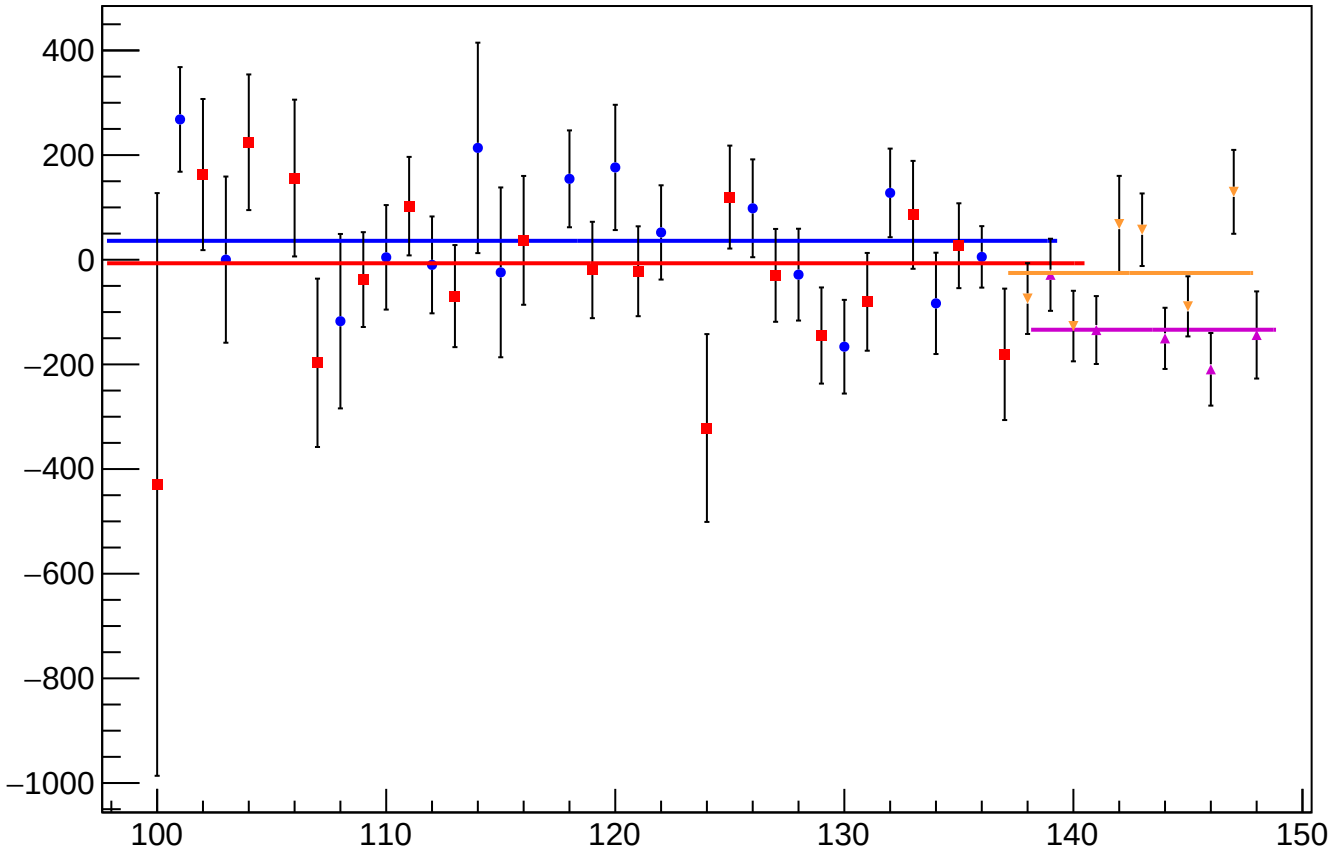
Left: 357.630+/-0.086 χ^2/NDF: 353035.2/10

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 417.081+/-0.090 χ^2/NDF:1443102.1/20

Out: 409.516+/-0.087 χ^2/NDF:1630018.4/24

All: 413.171+/-0.062 χ^2/NDF: 3076797.3/45



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -25.295+/-28.598 χ^2/NDF:10.2/5

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.761+/-30.256 χ^2/NDF:3.6/4

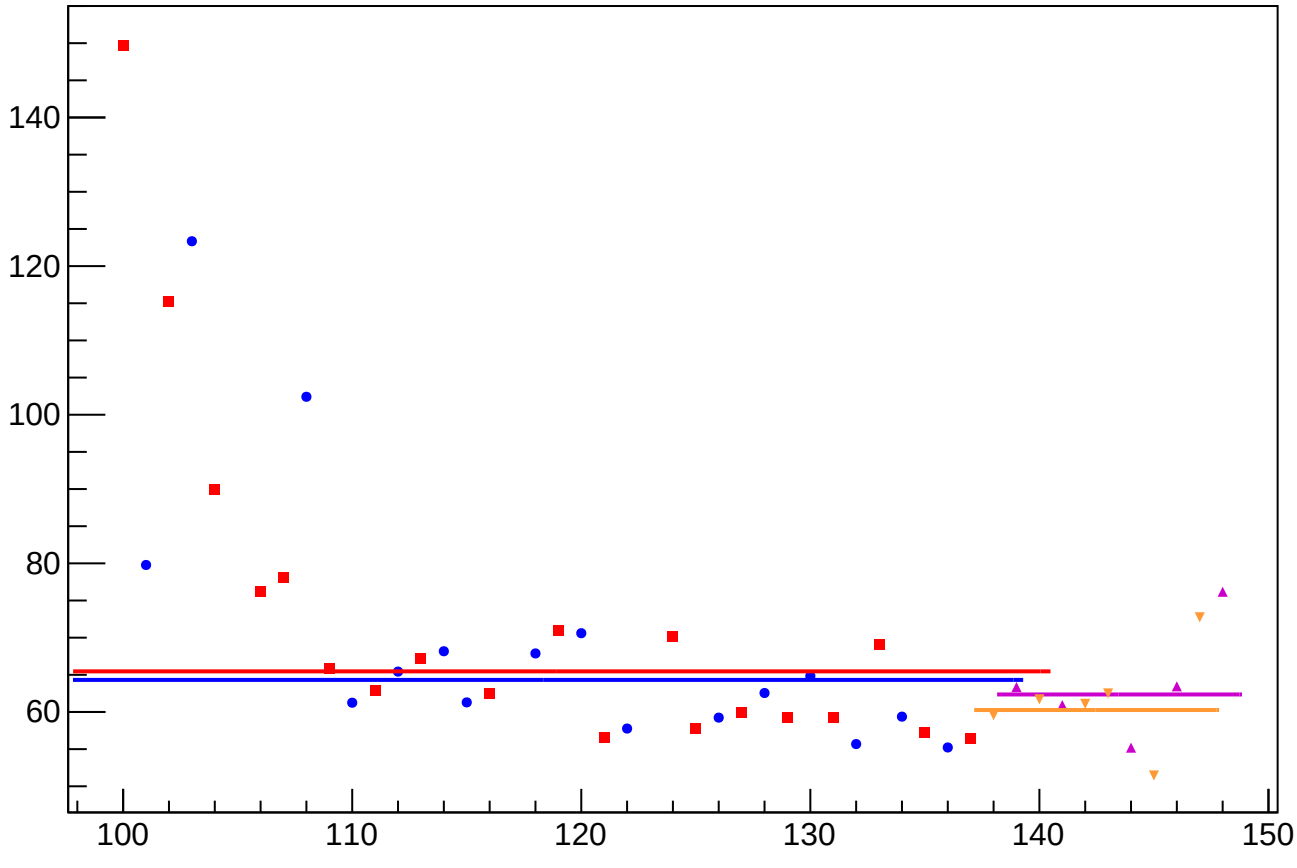
Left: -76.475+/-20.783 χ^2/NDF: 20.6/10

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -31.041+/-19.027 χ^2/NDF:42.3/20

Out: -14.615+/-18.634 χ^2/NDF:30.8/24

All: -22.657+/-13.313 χ^2/NDF: 73.5/45



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 60.263+/-0.020 χ^2/NDF:98875.2/5

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.356+/-0.021 χ^2/NDF:86945.0/4

Left: 61.251+/-0.015 χ^2/NDF: 190875.3/10

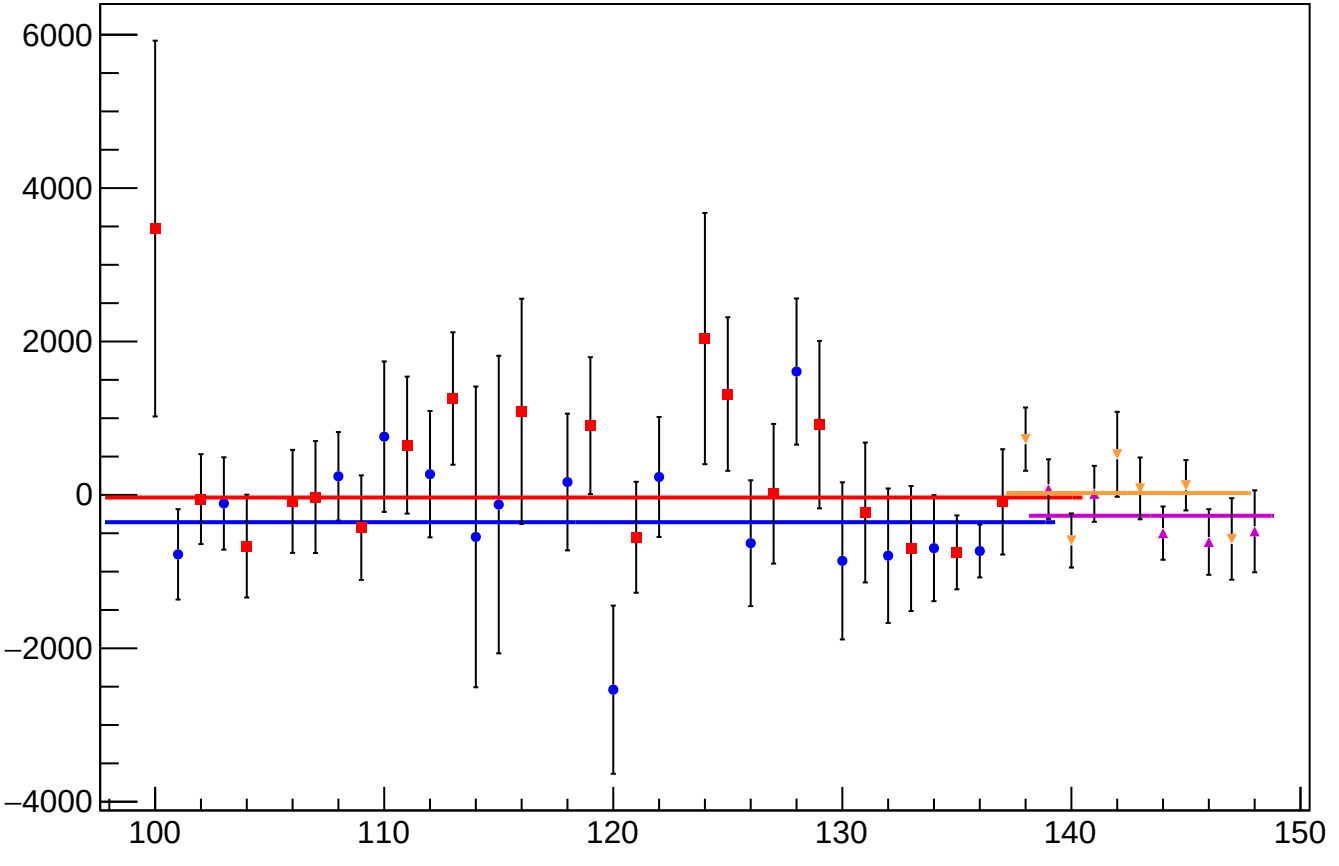
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.541+/-0.013 χ^2/NDF:624091.0/20

Out: 63.257+/-0.013 χ^2/NDF:619330.4/24

All: 63.396+/-0.009 χ^2/NDF: 1243648.9/45

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 24.402+/-166.316 χ^2/NDF:8.2/5

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -271.377+/-178.464 χ^2/NDF:2.6/4

Left: -113.079+/-121.672 χ^2/NDF: 12.3/10

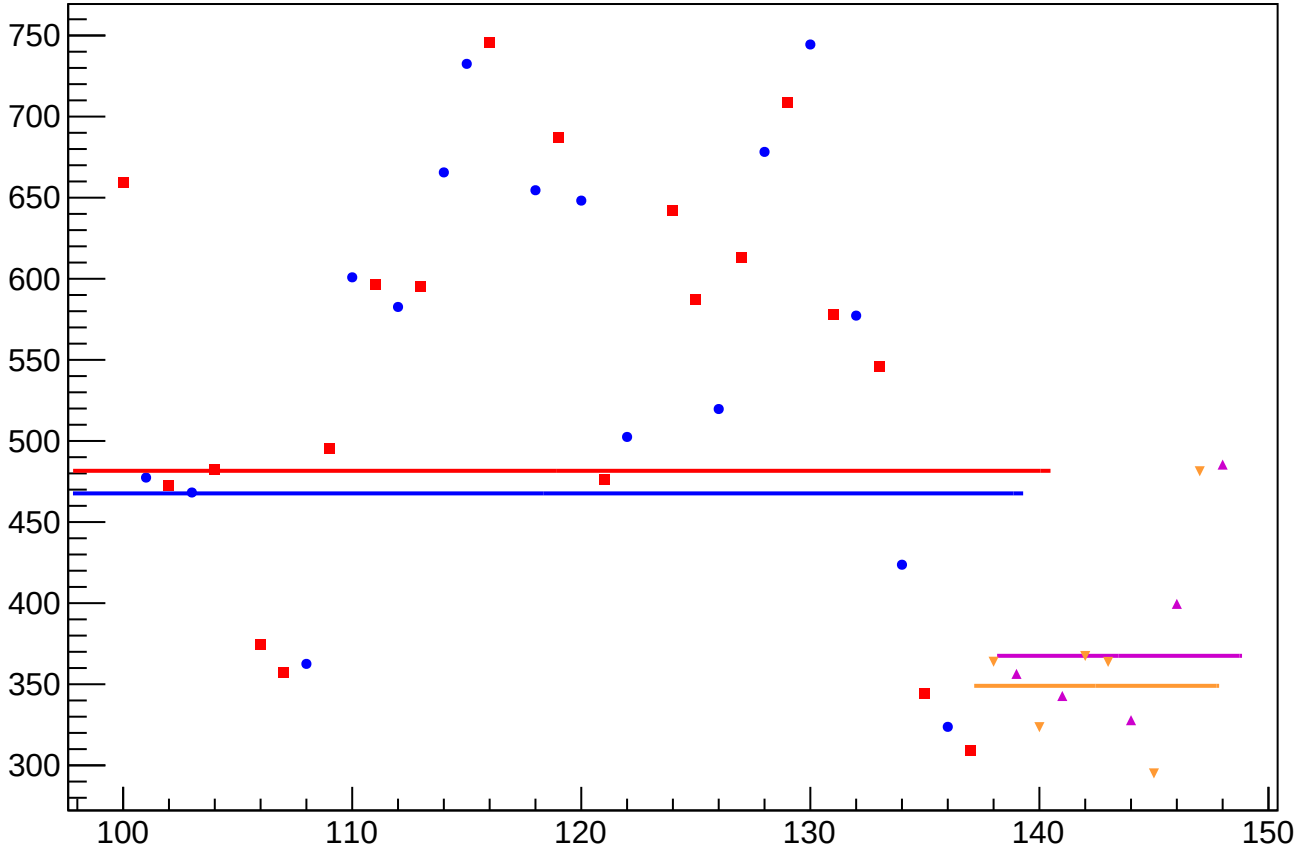
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -313.014+/-126.849 χ^2/NDF:17.5/20

Out: -2.148+/-122.639 χ^2/NDF:23.7/24

All: -152.336+/-88.170 χ^2/NDF: 44.3/45

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: 349.030+/-0.118 χ^2/NDF:195956.7/5

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 367.533+/-0.126 χ^2/NDF:145572.6/4

Left: 357.630+/-0.086 χ^2/NDF: 353035.4/10

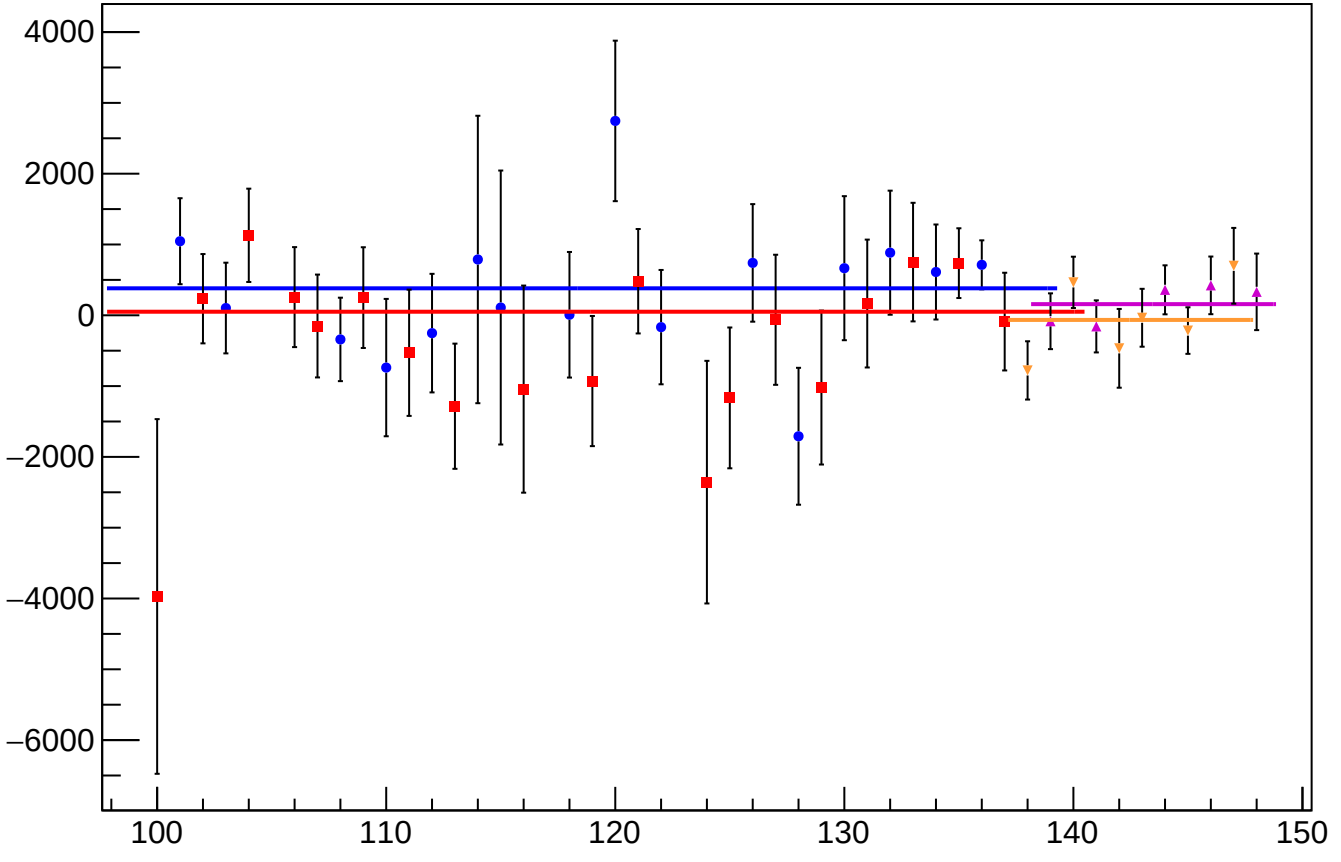
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 417.082+/-0.090 χ^2/NDF:1443097.0/20

Out: 409.516+/-0.087 χ^2/NDF:1630010.6/24

All: 413.171+/-0.062 χ^2/NDF: 3076784.6/45

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -65.431+/-167.872 χ^2/NDF:7.9/5

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: 157.539+/-177.761 χ^2/NDF:2.0/4

Left: 39.680+/-122.050 χ^2/NDF: 10.7/10

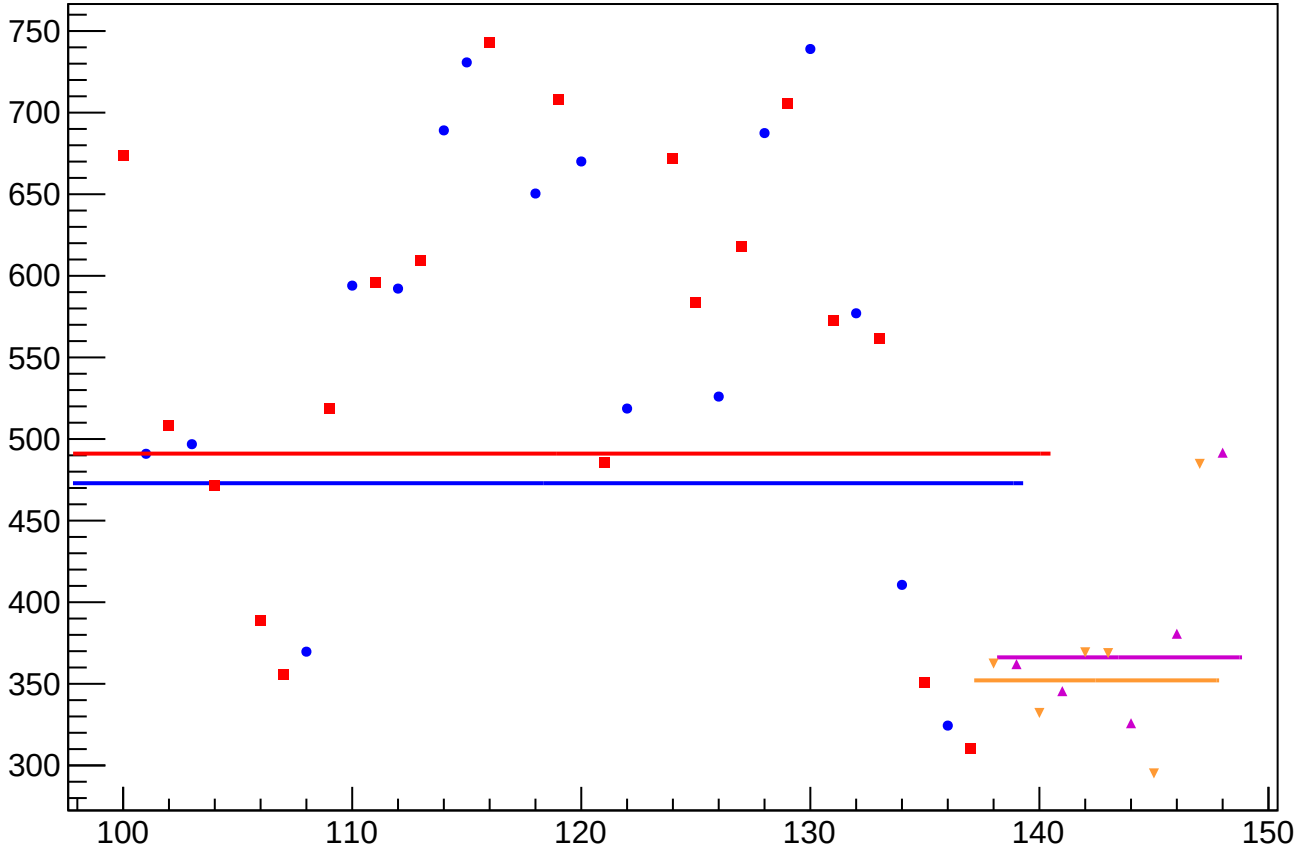
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 266.277+/-127.391 χ^2/NDF:18.9/20

Out: -13.209+/-124.398 χ^2/NDF:25.6/24

All: 123.212+/-89.002 χ^2/NDF: 47.0/45

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 352.109+/-0.119 χ^2/NDF:195689.9/5

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 366.217+/-0.126 χ^2/NDF:143972.7/4

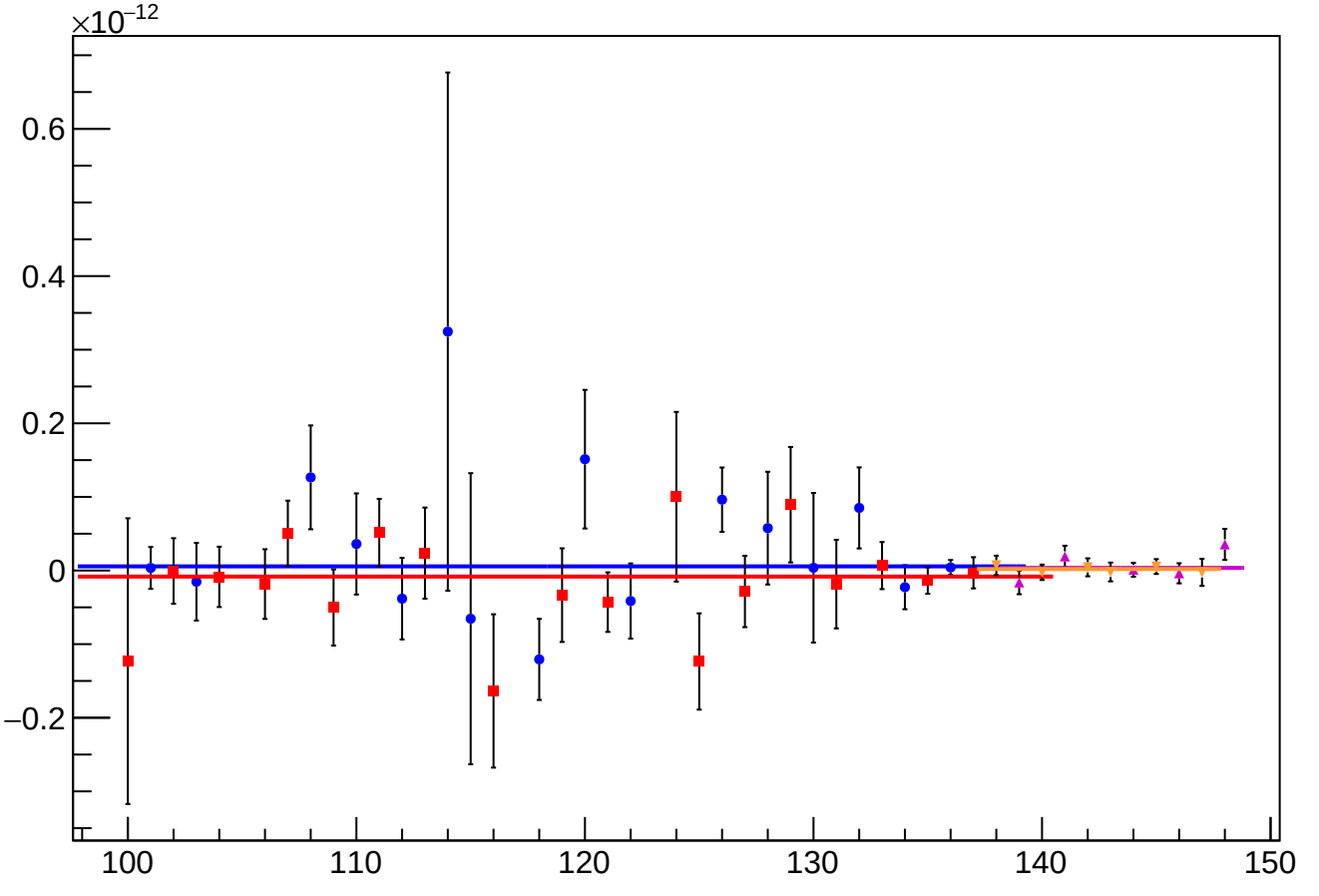
Left: 358.760+/-0.086 χ^2/NDF: 346321.4/10

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 418.122+/-0.090 χ^2/NDF:1494803.5/20

Out: 414.760+/-0.088 χ^2/NDF:1661013.4/24

All: 416.401+/-0.063 χ^2/NDF: 3156530.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/4

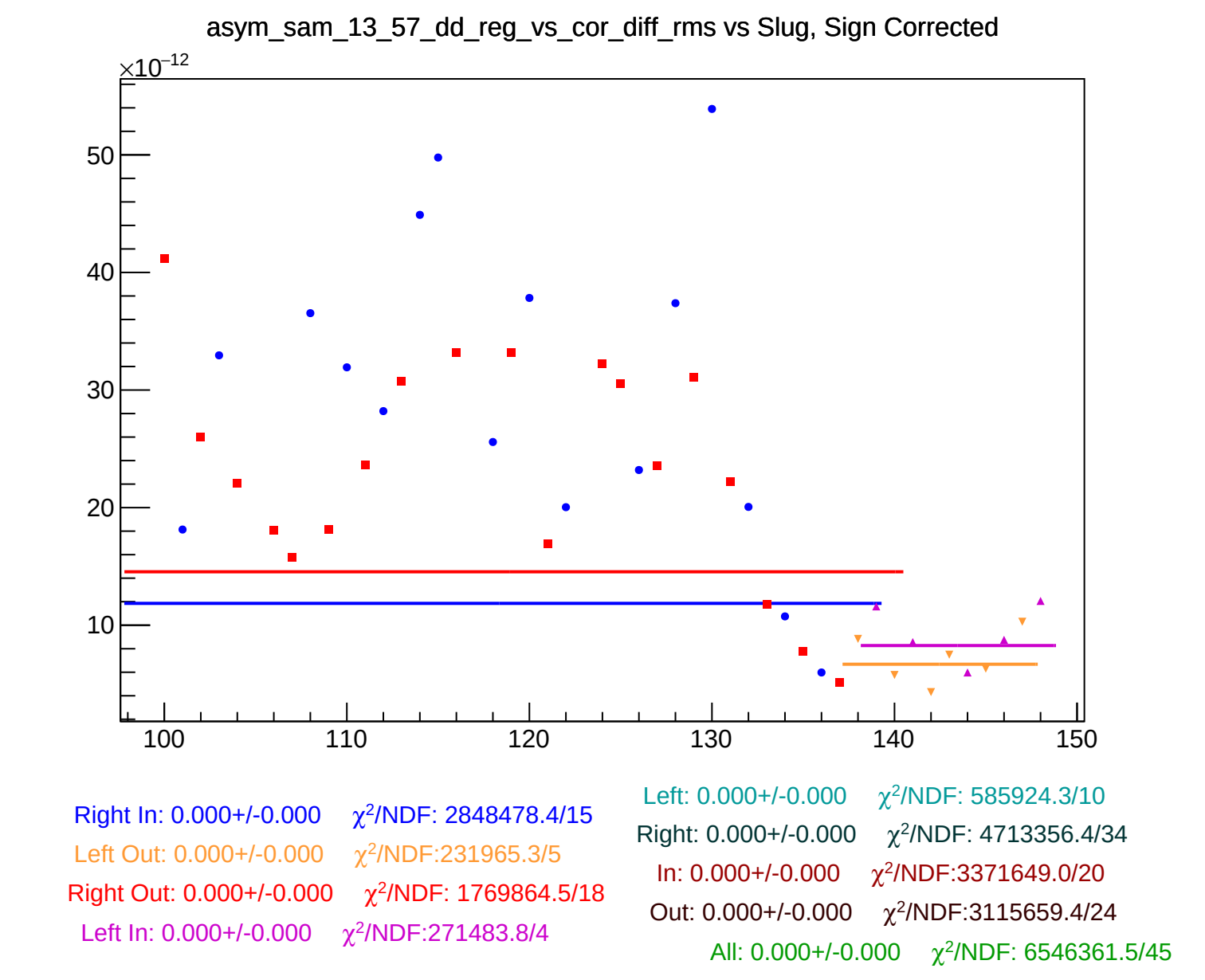
Left: 0.000+/-0.000 χ^2/NDF: 6.0/10

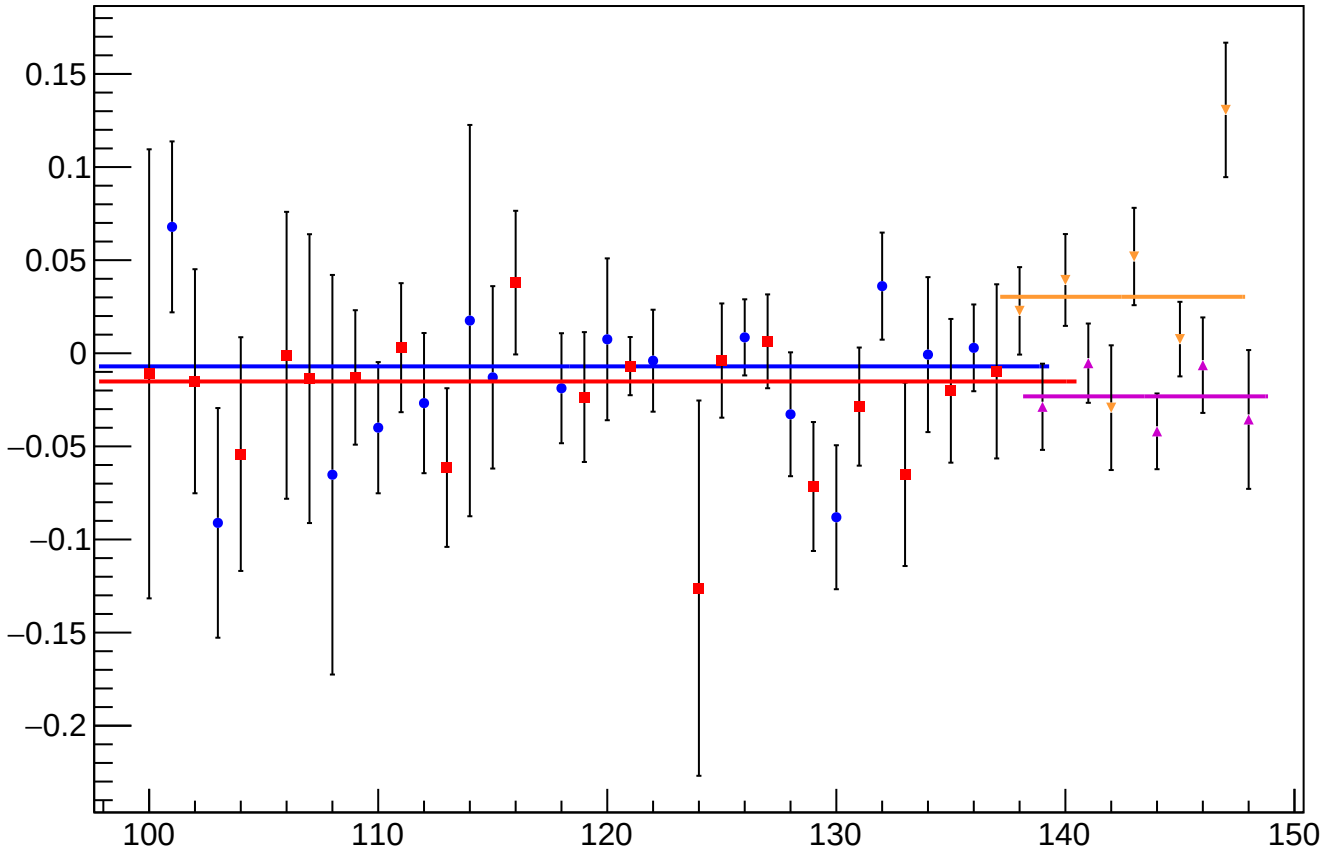
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:26.5/20

Out: -0.000+/-0.000 χ^2/NDF:15.6/24

All: 0.000+/-0.000 χ^2/NDF: 42.5/45


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:231965.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:271483.8/4
Left: 0.000+/-0.000 χ²/NDF: 585924.3/10
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:3371649.0/20
Out: 0.000+/-0.000 χ²/NDF:3115659.4/24
All: 0.000+/-0.000 χ²/NDF: 6546361.5/45



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.023+/-0.011 χ^2/NDF:2.2/4

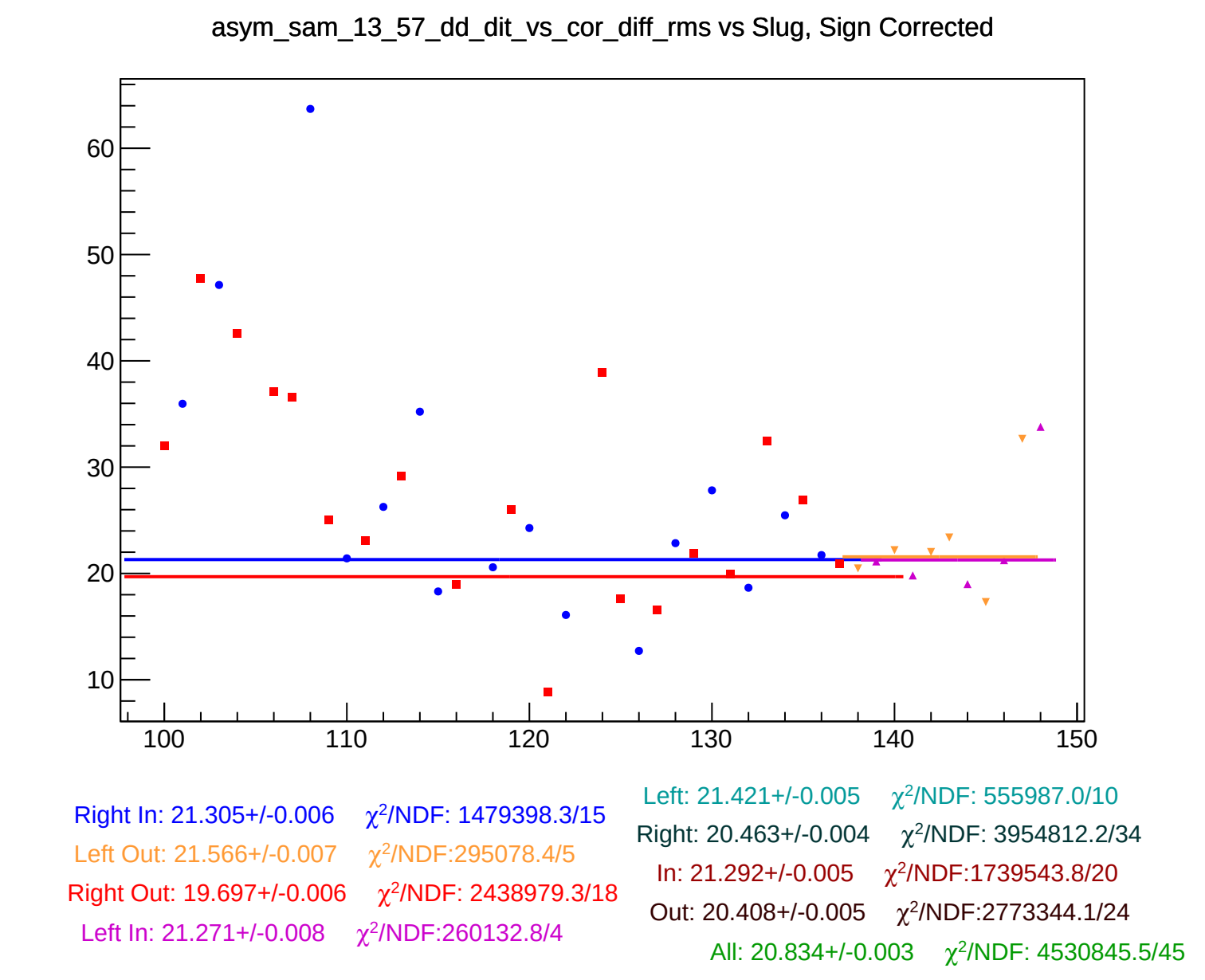
Left: 0.004+/-0.007 χ^2/NDF: 28.0/10

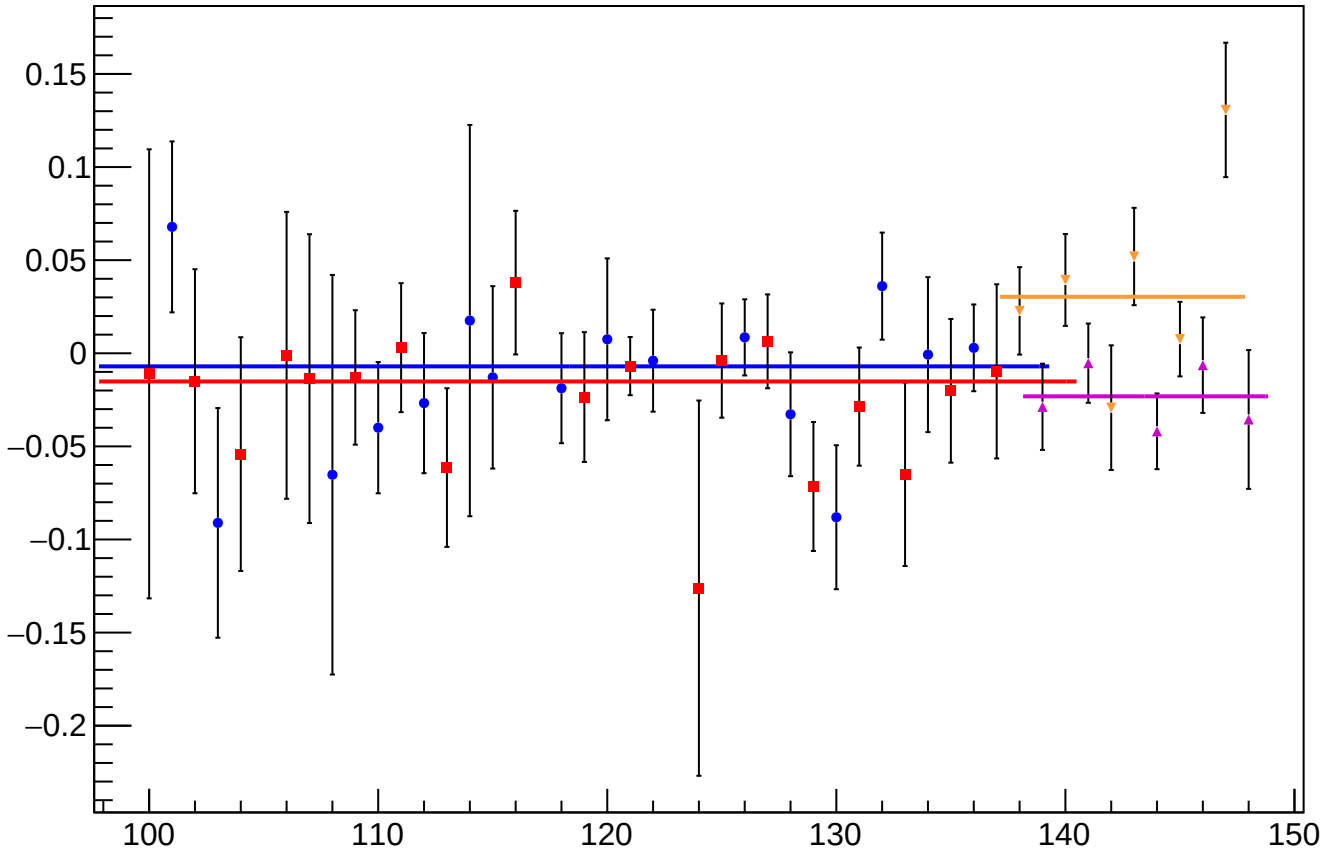
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.9/20

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 55.4/45


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.305+/-0.006 χ2/NDF: 1479398.3/15
Left Out: 21.566+/-0.007 χ2/NDF:295078.4/5
Right Out: 19.697+/-0.006 χ2/NDF: 2438979.3/18
Left In: 21.271+/-0.008 χ2/NDF:260132.8/4
Left: 21.421+/-0.005 χ2/NDF: 555987.0/10
Right: 20.463+/-0.004 χ2/NDF: 3954812.2/34
In: 21.292+/-0.005 χ2/NDF:1739543.8/20
Out: 20.408+/-0.005 χ2/NDF:2773344.1/24
All: 20.834+/-0.003 χ2/NDF: 4530845.5/45



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.023+/-0.011 χ^2/NDF:2.2/4

Left: 0.004+/-0.007 χ^2/NDF: 28.0/10

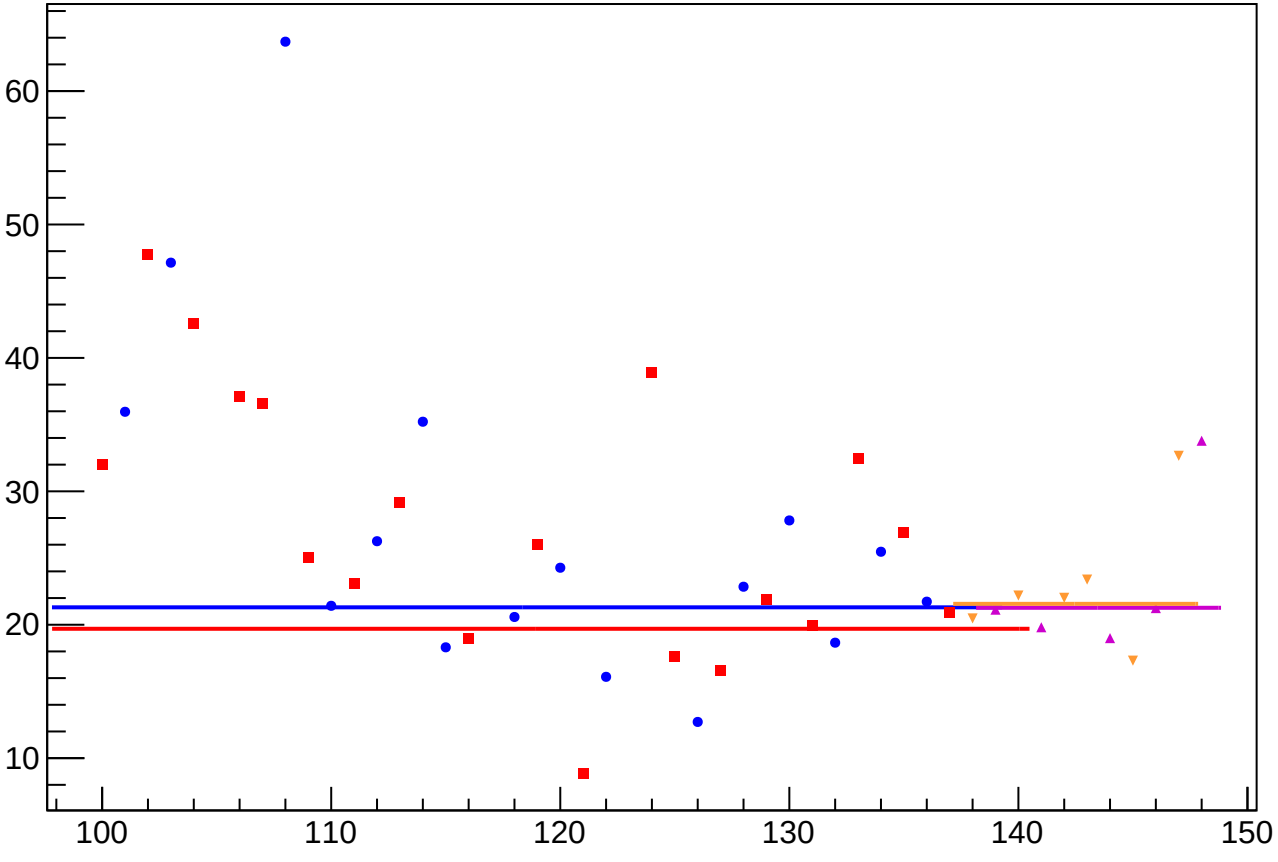
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.9/20

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 55.4/45

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: 21.566+/-0.007 χ^2/NDF:295078.4/5

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.271+/-0.008 χ^2/NDF:260132.8/4

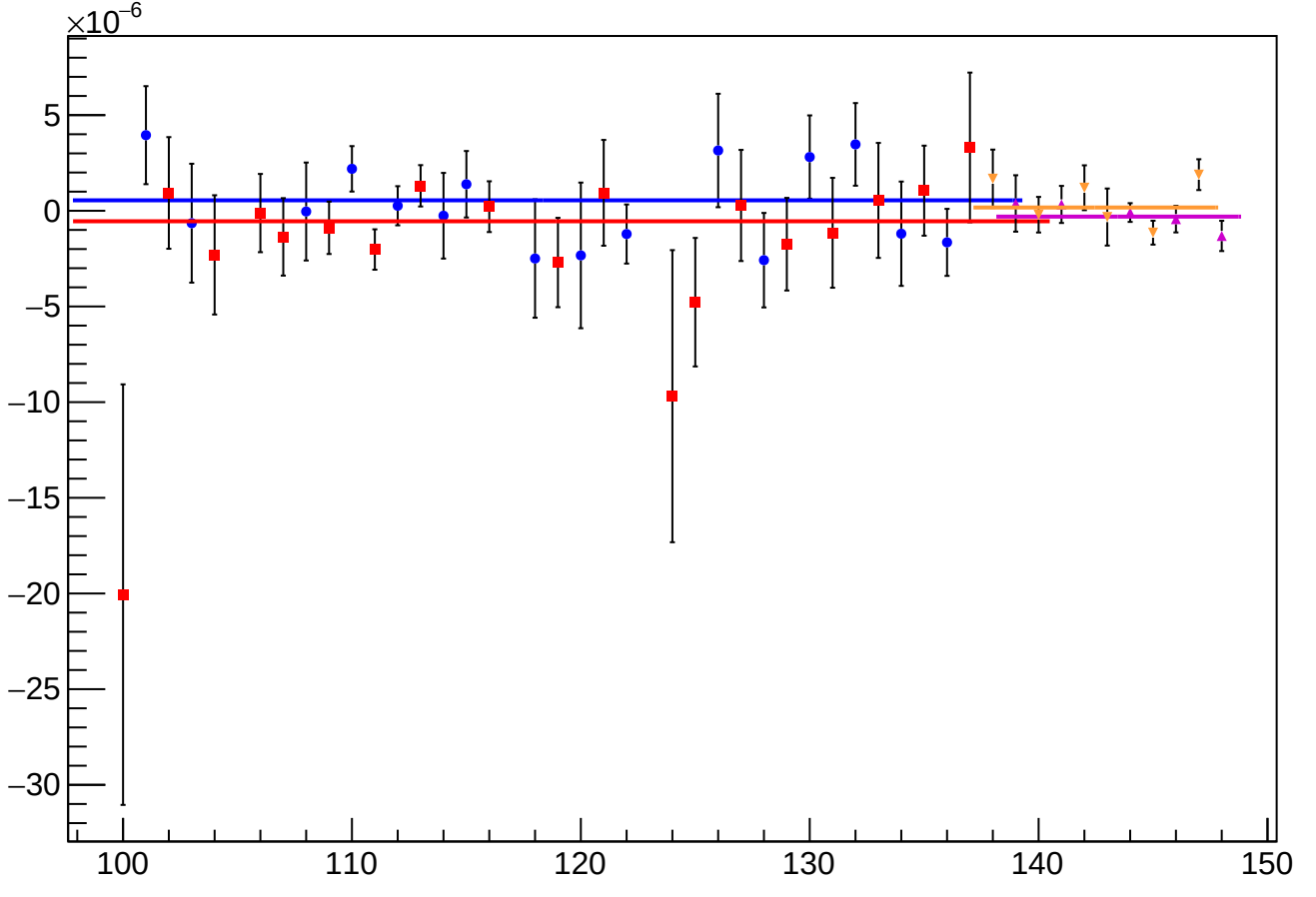
Left: 21.421+/-0.005 χ^2/NDF: 555987.0/10

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.292+/-0.005 χ^2/NDF:1739543.8/20

Out: 20.408+/-0.005 χ^2/NDF:2773344.1/24

All: 20.834+/-0.003 χ^2/NDF: 4530845.5/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/4

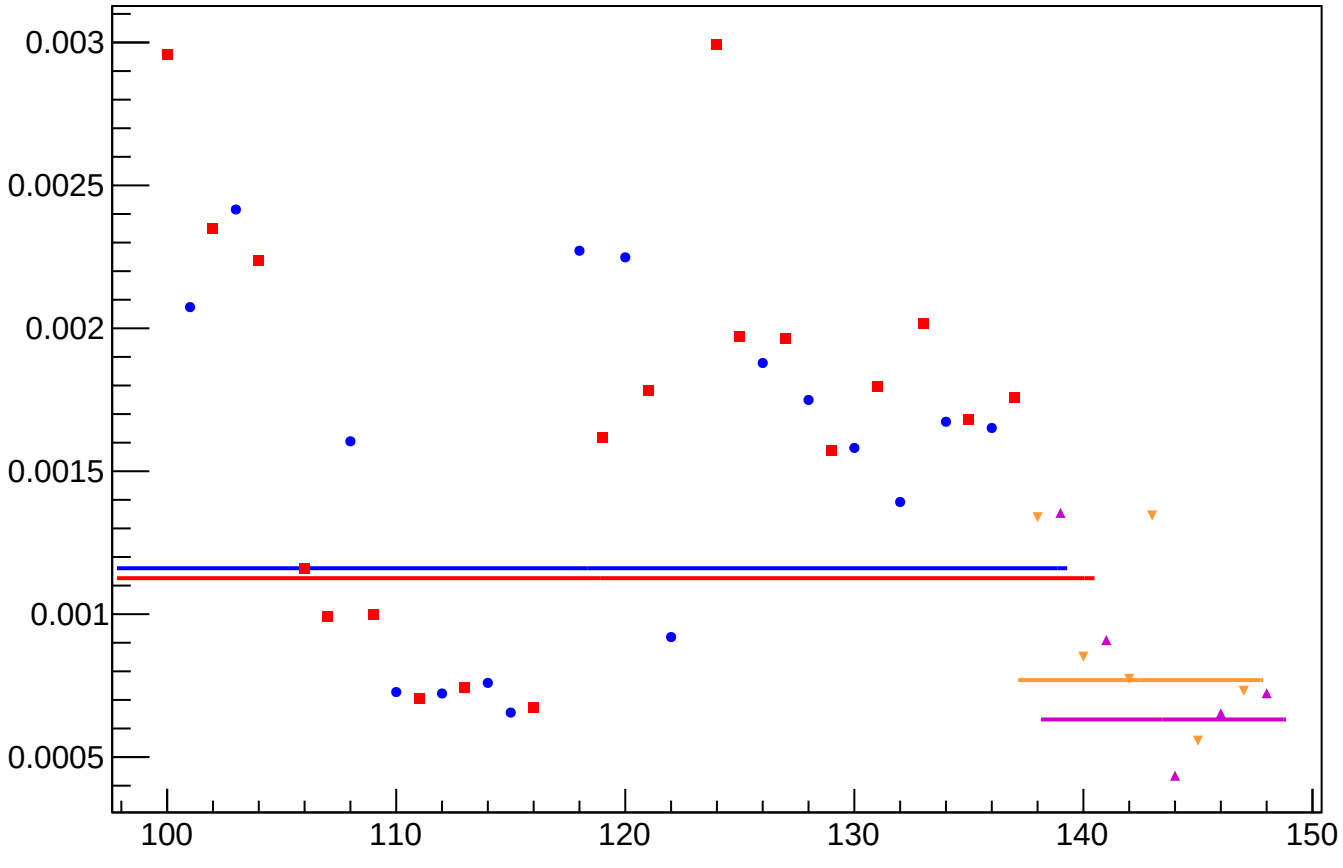
Left: -0.000+/-0.000 χ^2/NDF: 14.4/10

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:19.1/20

Out: -0.000+/-0.000 χ^2/NDF:27.8/24

All: -0.000+/-0.000 χ^2/NDF: 47.0/45



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:829538.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:997188.9/4

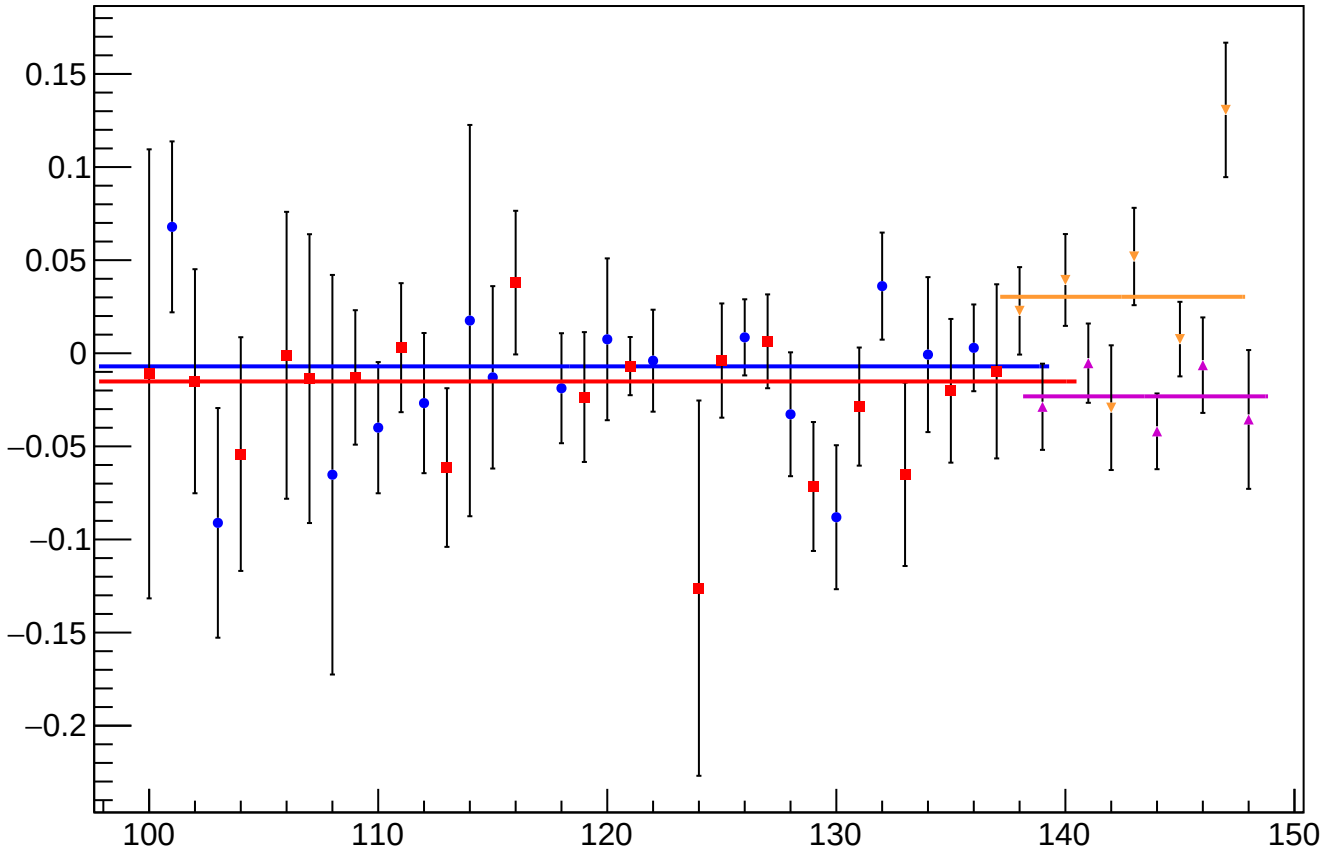
Left: 0.001+/-0.000 χ^2/NDF: 1977299.5/10

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:5198357.6/20

Out: 0.001+/-0.000 χ^2/NDF:4168287.3/24

All: 0.001+/-0.000 χ^2/NDF: 9534182.7/45



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.023+/-0.011 χ^2/NDF:2.2/4

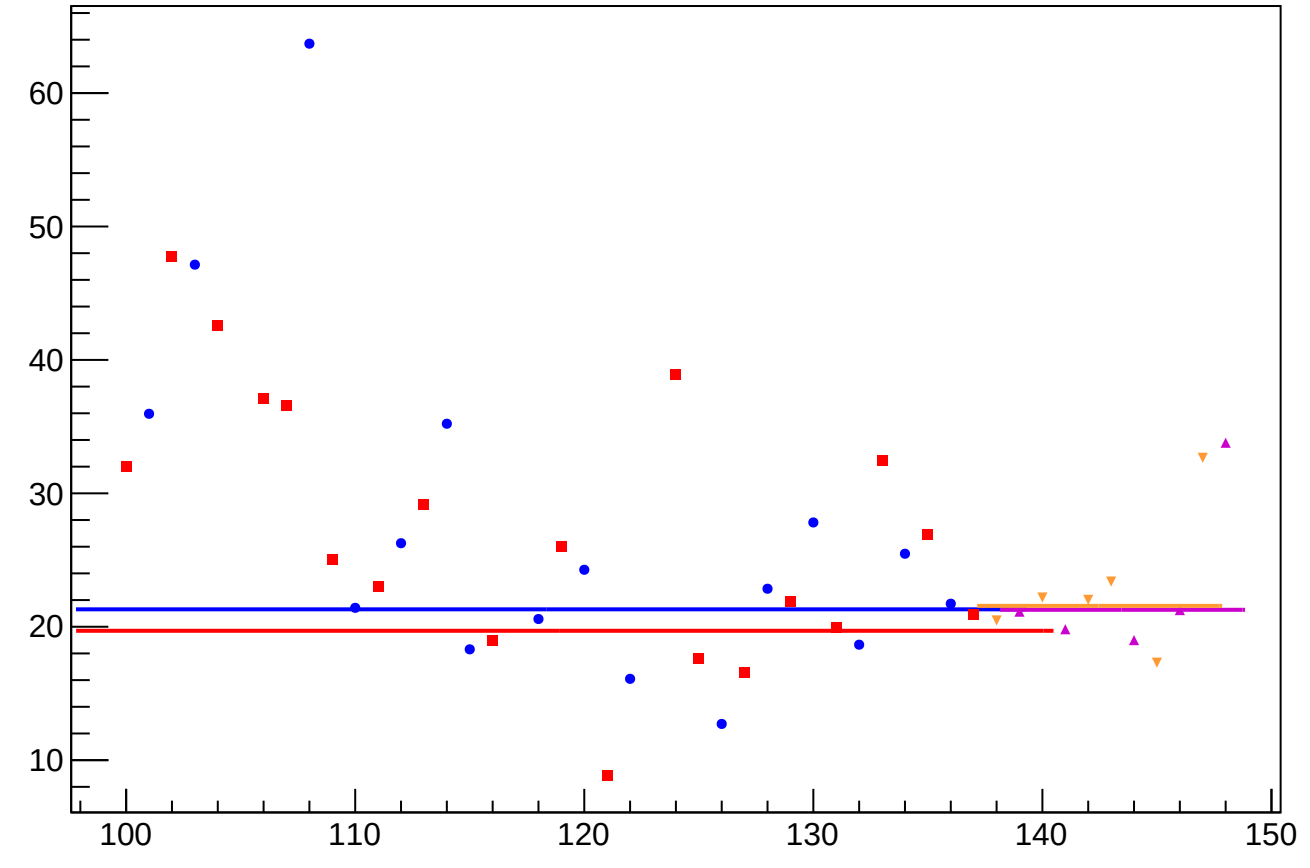
Left: 0.004+/-0.007 χ^2/NDF: 28.0/10

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.9/20

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 55.4/45



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.566+/-0.007 χ^2/NDF:295101.6/5

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

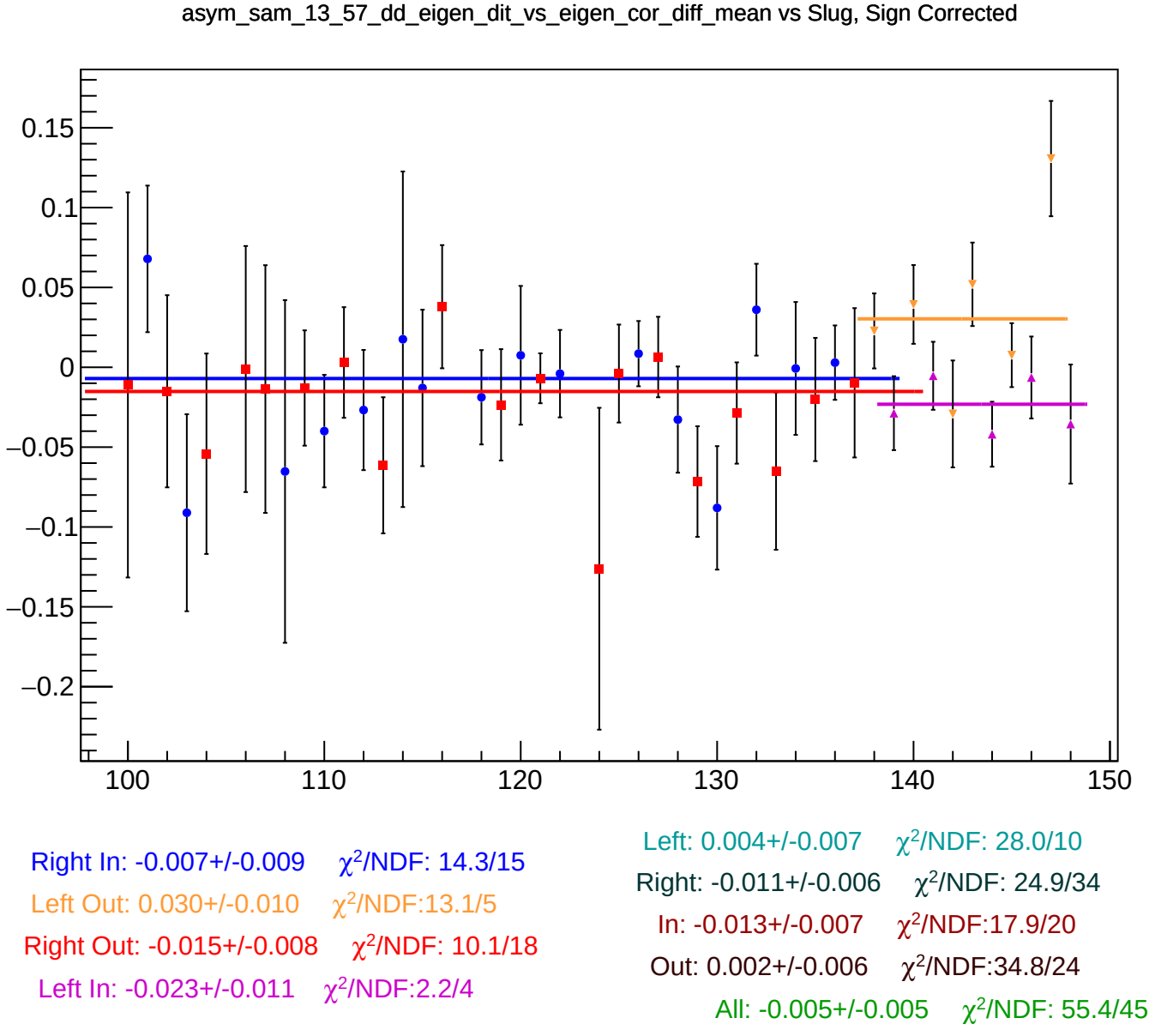
Left: 21.421+/-0.005 χ^2/NDF: 556017.9/10

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

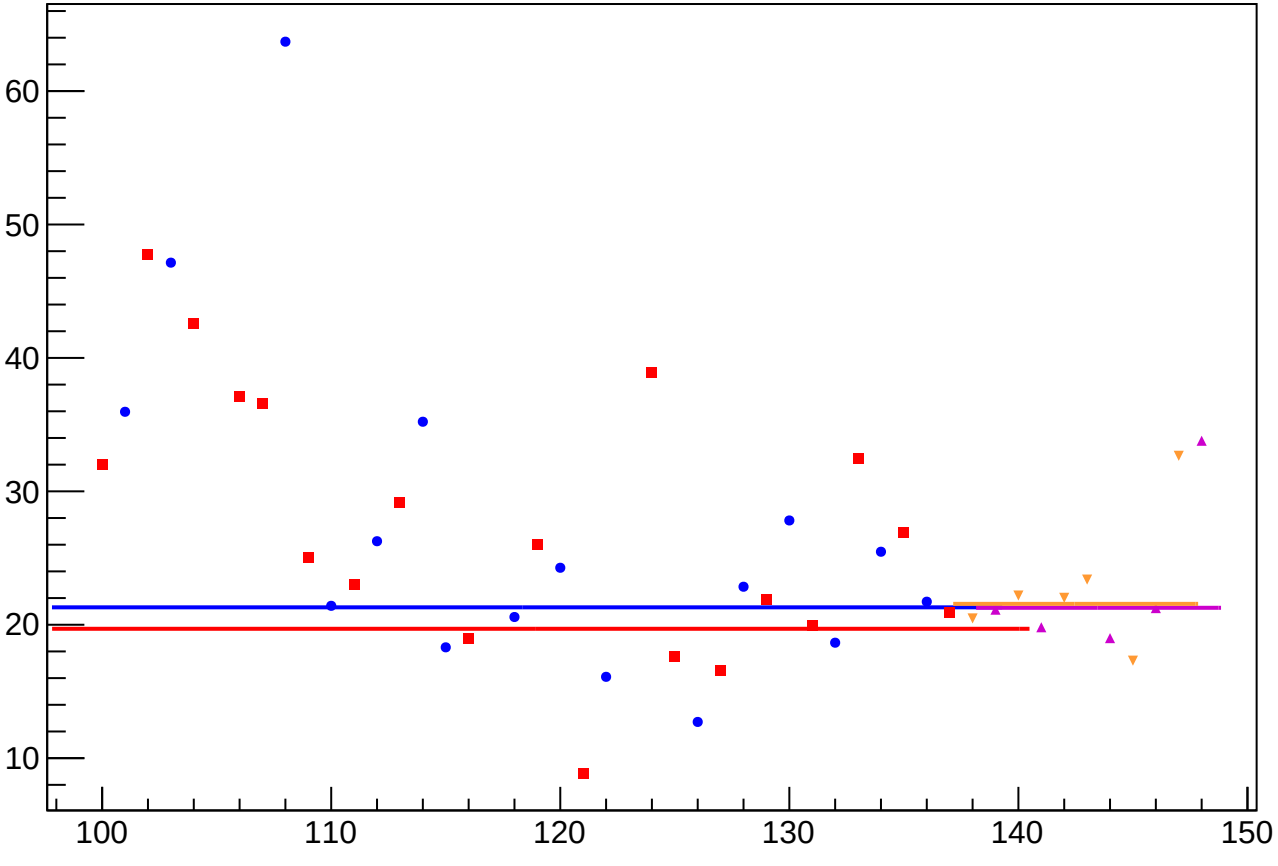
In: 21.292+/-0.005 χ^2/NDF:1739385.4/20

Out: 20.408+/-0.005 χ^2/NDF:2772976.1/24

All: 20.834+/-0.003 χ^2/NDF: 4530311.3/45


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.030+/-0.010 χ²/NDF:13.1/5
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.023+/-0.011 χ²/NDF:2.2/4
Left: 0.004+/-0.007 χ²/NDF: 28.0/10
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.013+/-0.007 χ²/NDF:17.9/20
Out: 0.002+/-0.006 χ²/NDF:34.8/24
All: -0.005+/-0.005 χ²/NDF: 55.4/45

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: 21.566+/-0.007 χ^2/NDF:295101.6/5

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

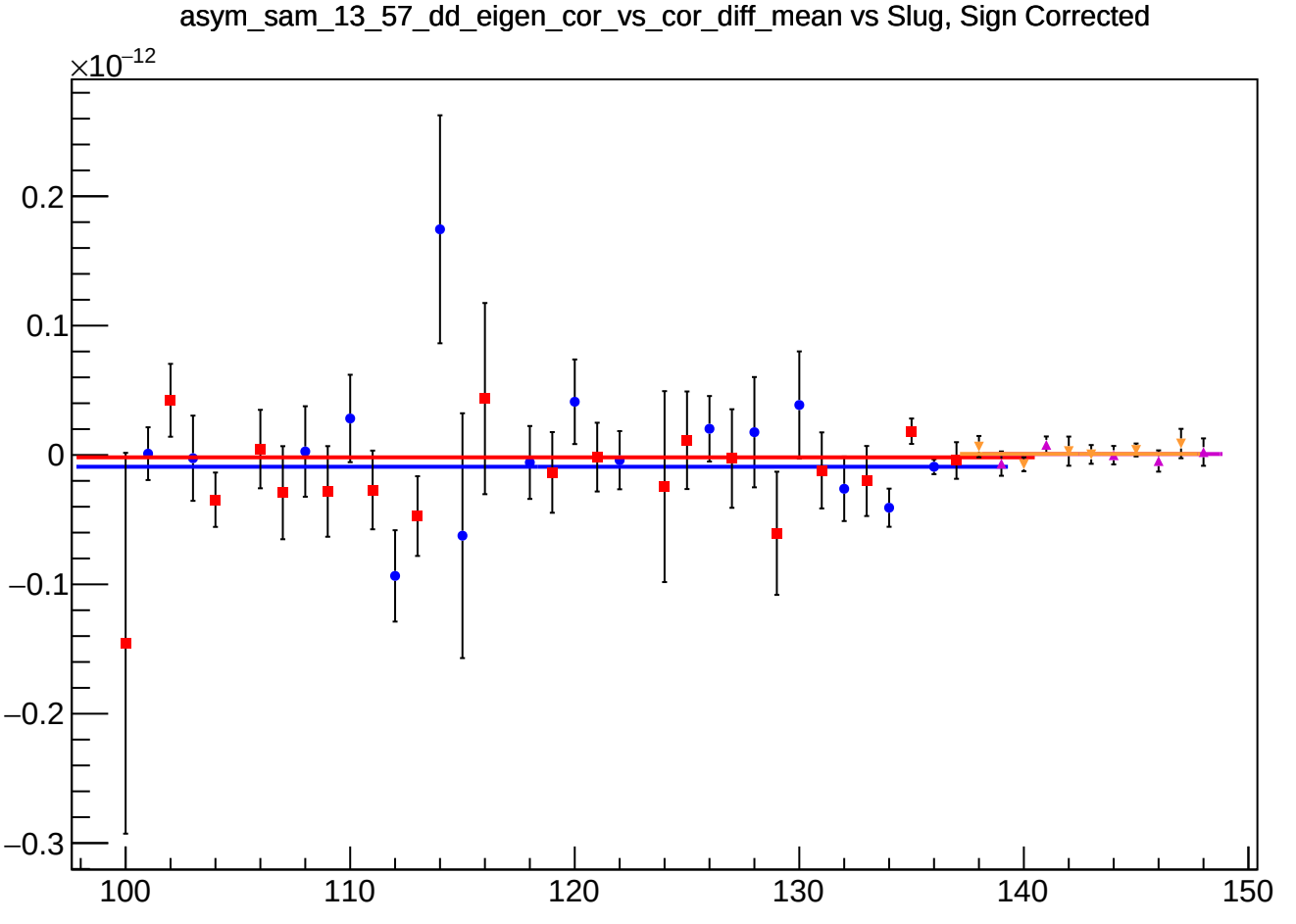
Left: 21.421+/-0.005 χ^2/NDF: 556017.9/10

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.292+/-0.005 χ^2/NDF:1739385.4/20

Out: 20.408+/-0.005 χ^2/NDF:2772976.1/24

All: 20.834+/-0.003 χ^2/NDF: 4530311.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/4

Left: 0.000+/-0.000 χ^2/NDF: 5.9/10

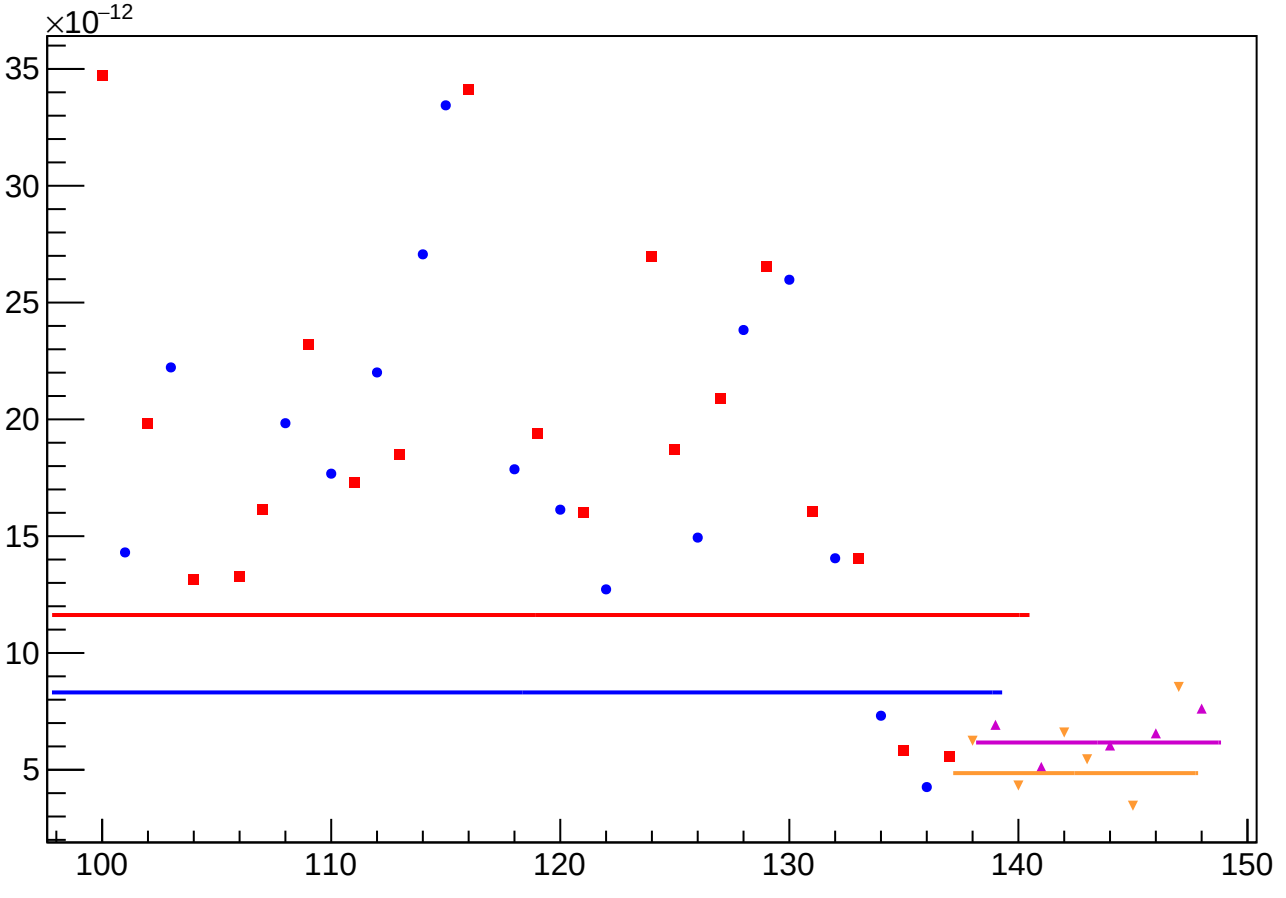
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:27.8/20

Out: 0.000+/-0.000 χ^2/NDF:20.8/24

All: -0.000+/-0.000 χ^2/NDF: 49.3/45

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:503651.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:107656.4/4

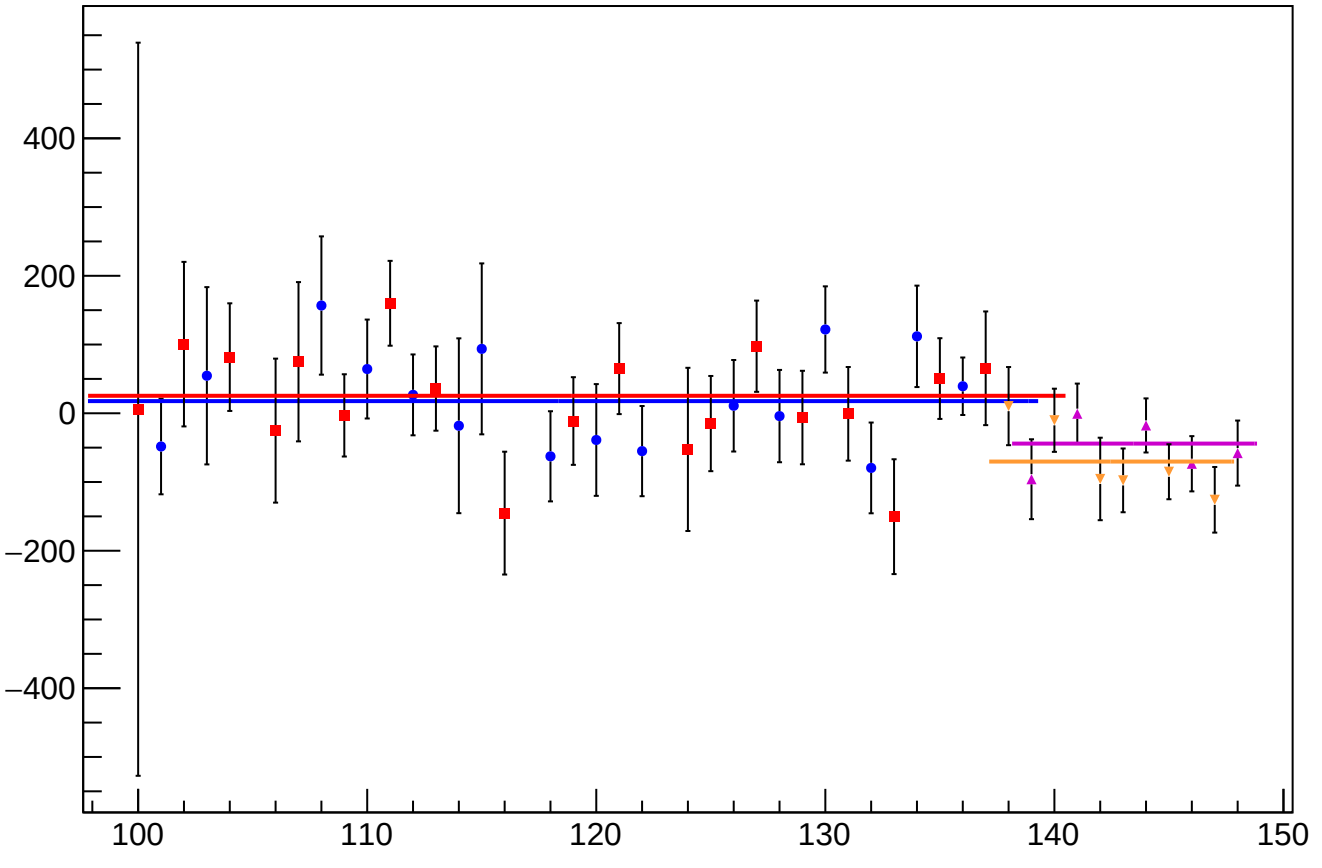
Left: 0.000+/-0.000 χ^2/NDF: 776359.6/10

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:4118538.6/20

Out: 0.000+/-0.000 χ^2/NDF:5382110.7/24

All: 0.000+/-0.000 χ^2/NDF: 9586975.0/45



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.247+/-19.654 χ^2/NDF:5.7/5

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -44.113+/-19.888 χ^2/NDF:2.8/4

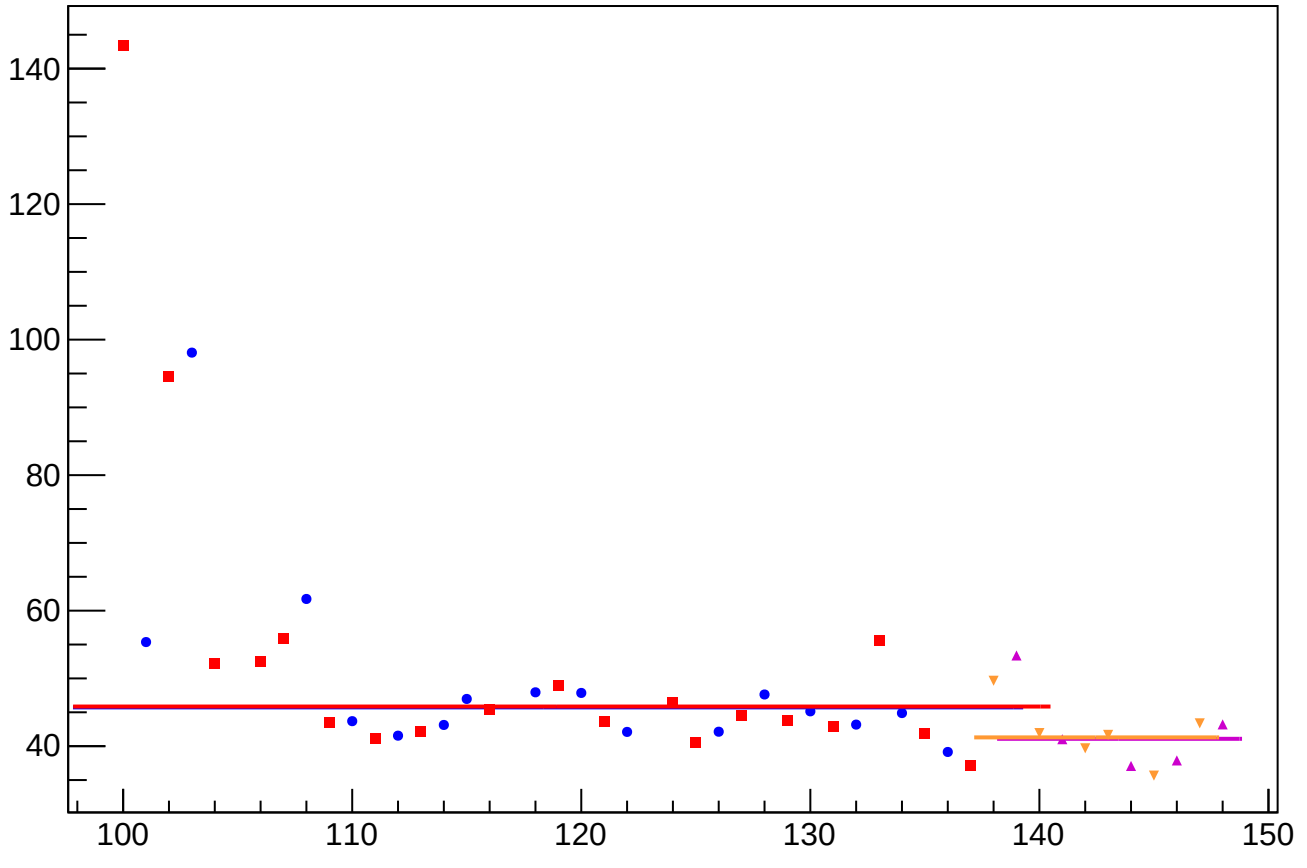
Left: -57.335+/-13.979 χ^2/NDF: 9.5/10

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -9.222+/-13.125 χ^2/NDF:22.2/20

Out: -16.433+/-13.001 χ^2/NDF:36.9/24

All: -12.862+/-9.237 χ^2/NDF: 59.3/45



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

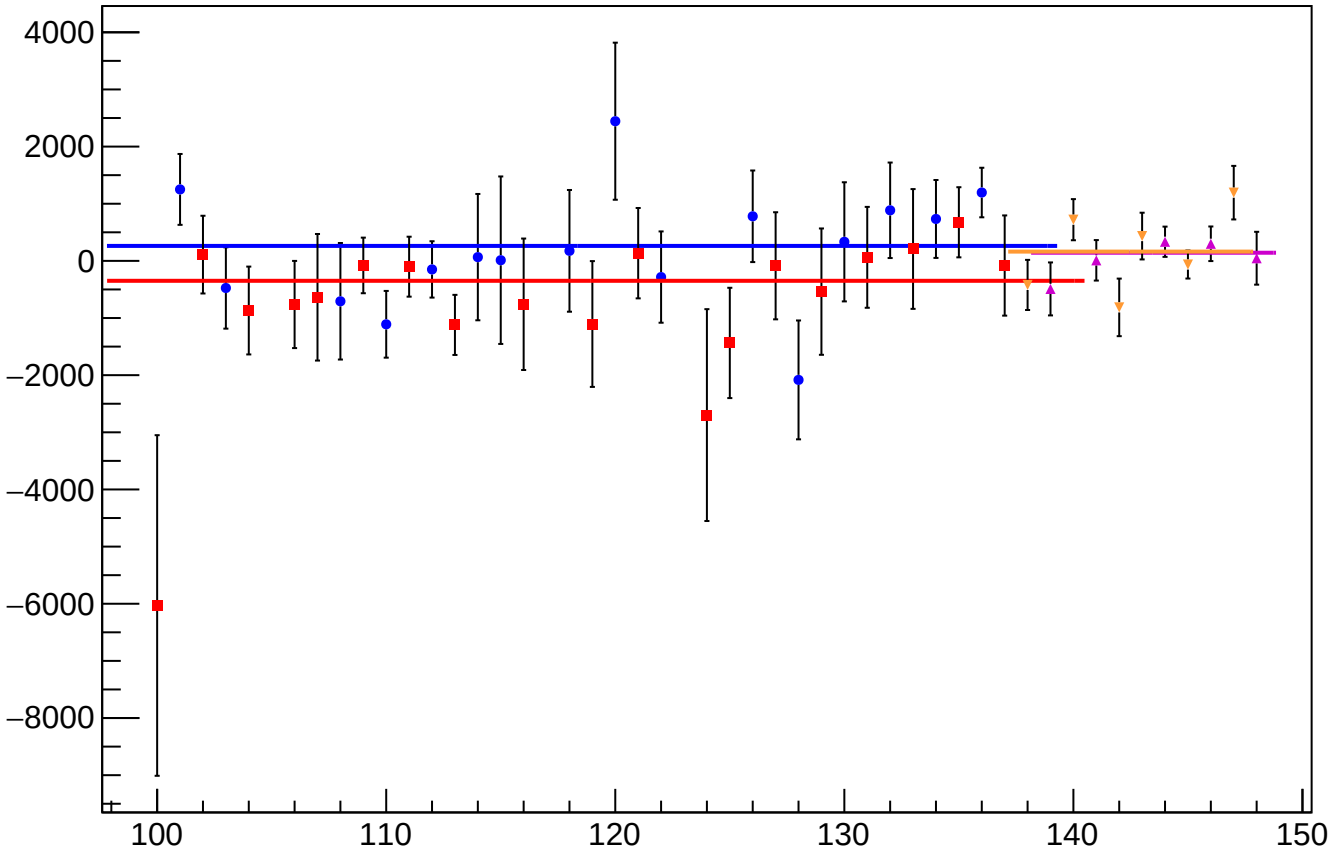
Left: 41.192+/-0.010 χ^2/NDF: 215733.6/10

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.705+/-0.009 χ^2/NDF:689866.7/20

Out: 43.856+/-0.009 χ^2/NDF:689234.1/24

All: 43.782+/-0.007 χ^2/NDF: 1379234.3/45



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 162.381+/-150.756 χ^2/NDF:14.1/5

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 142.464+/-153.410 χ^2/NDF:2.8/4

Left: 152.596+/-107.527 χ^2/NDF: 16.9/10

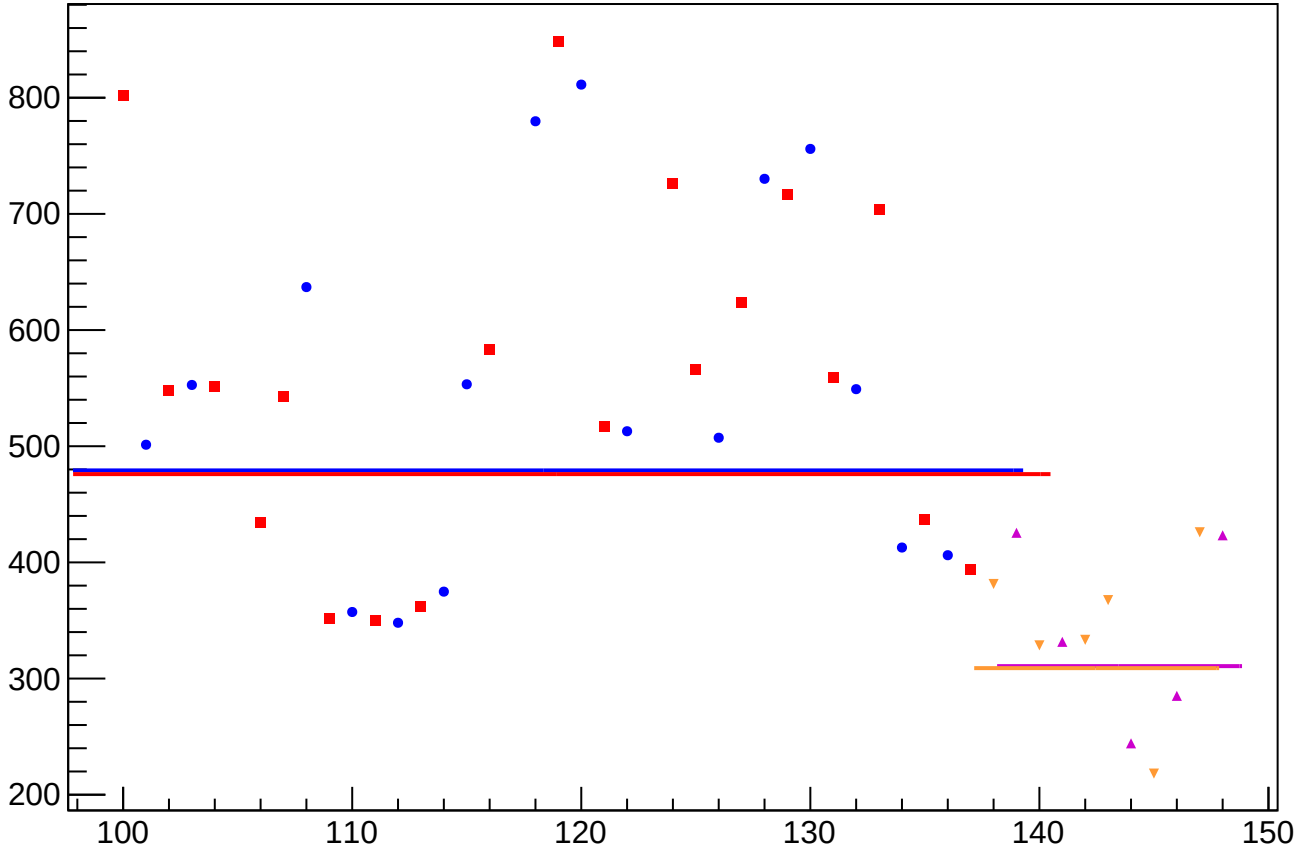
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 191.081+/-118.145 χ^2/NDF:28.1/20

Out: -47.381+/-115.755 χ^2/NDF:33.7/24

All: 69.414+/-82.683 χ^2/NDF: 63.9/45

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 308.967+/-0.107 χ^2/NDF:504434.1/5

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 310.697+/-0.108 χ^2/NDF:388694.3/4

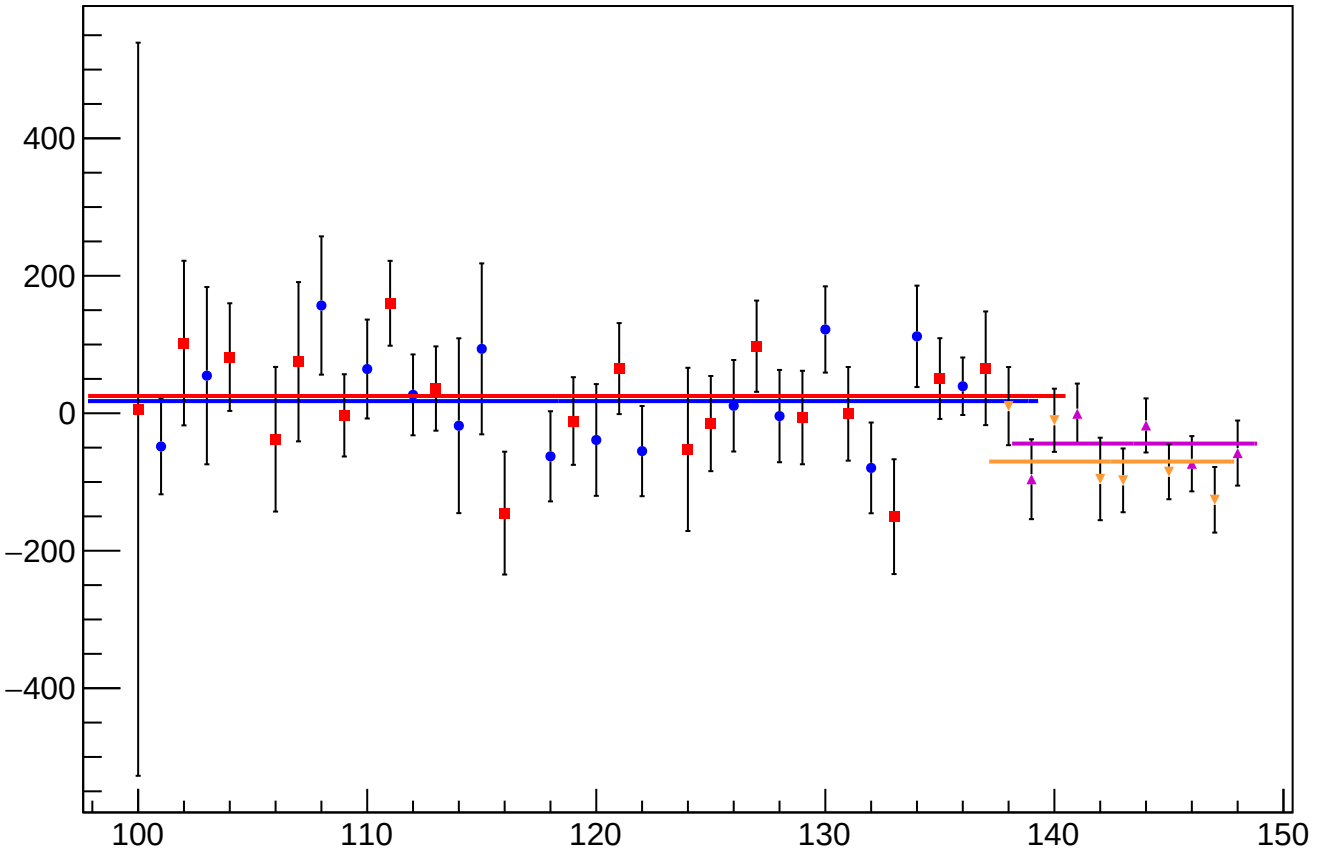
Left: 309.817+/-0.076 χ^2/NDF: 893257.9/10

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 379.253+/-0.084 χ^2/NDF:2322950.0/20

Out: 377.520+/-0.082 χ^2/NDF:2518532.7/24

All: 378.369+/-0.058 χ^2/NDF: 4841702.2/45



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.246+/-19.654 χ^2/NDF:5.7/5

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -44.109+/-19.888 χ^2/NDF:2.8/4

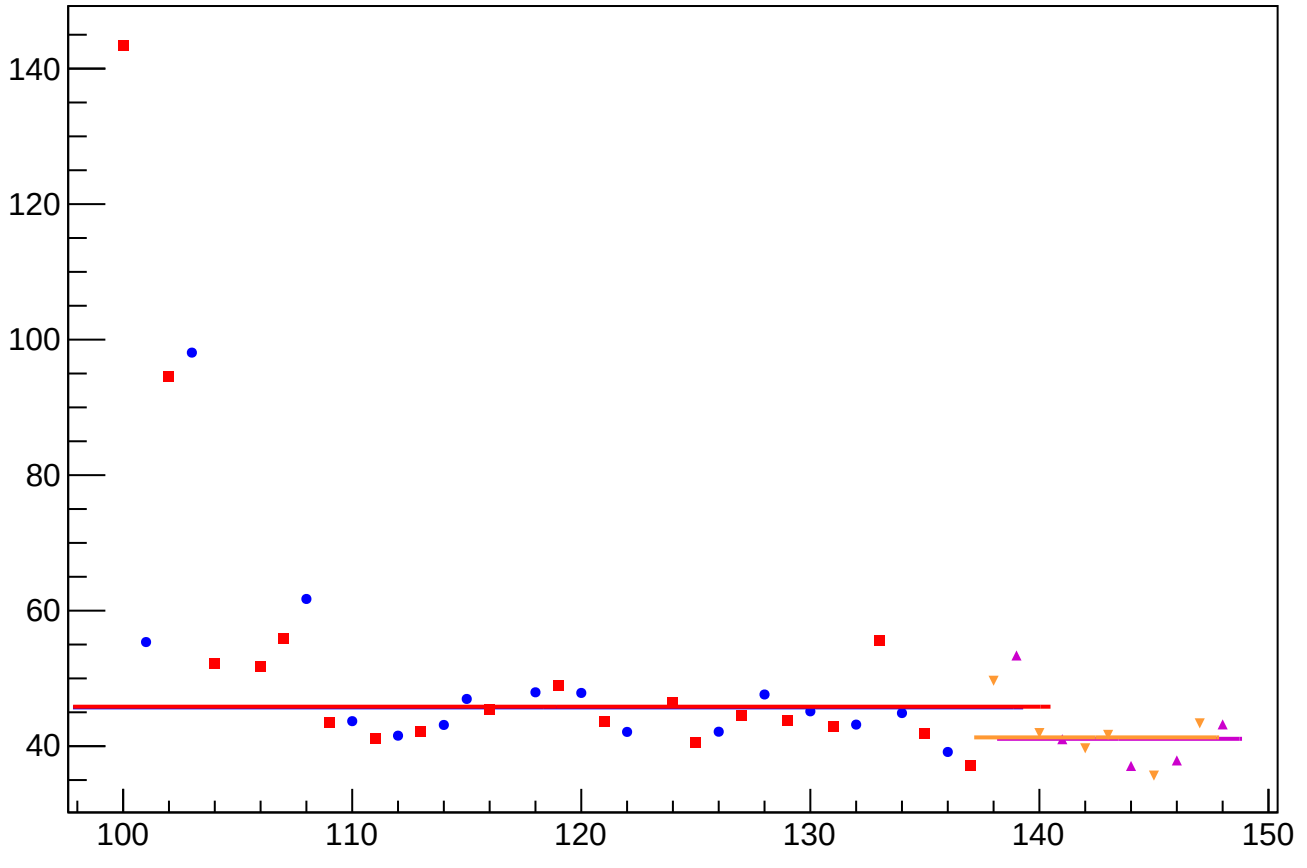
Left: -57.332+/-13.979 χ^2/NDF: 9.5/10

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -9.218+/-13.125 χ^2/NDF:22.2/20

Out: -16.605+/-13.002 χ^2/NDF:37.0/24

All: -12.946+/-9.237 χ^2/NDF: 59.4/45



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

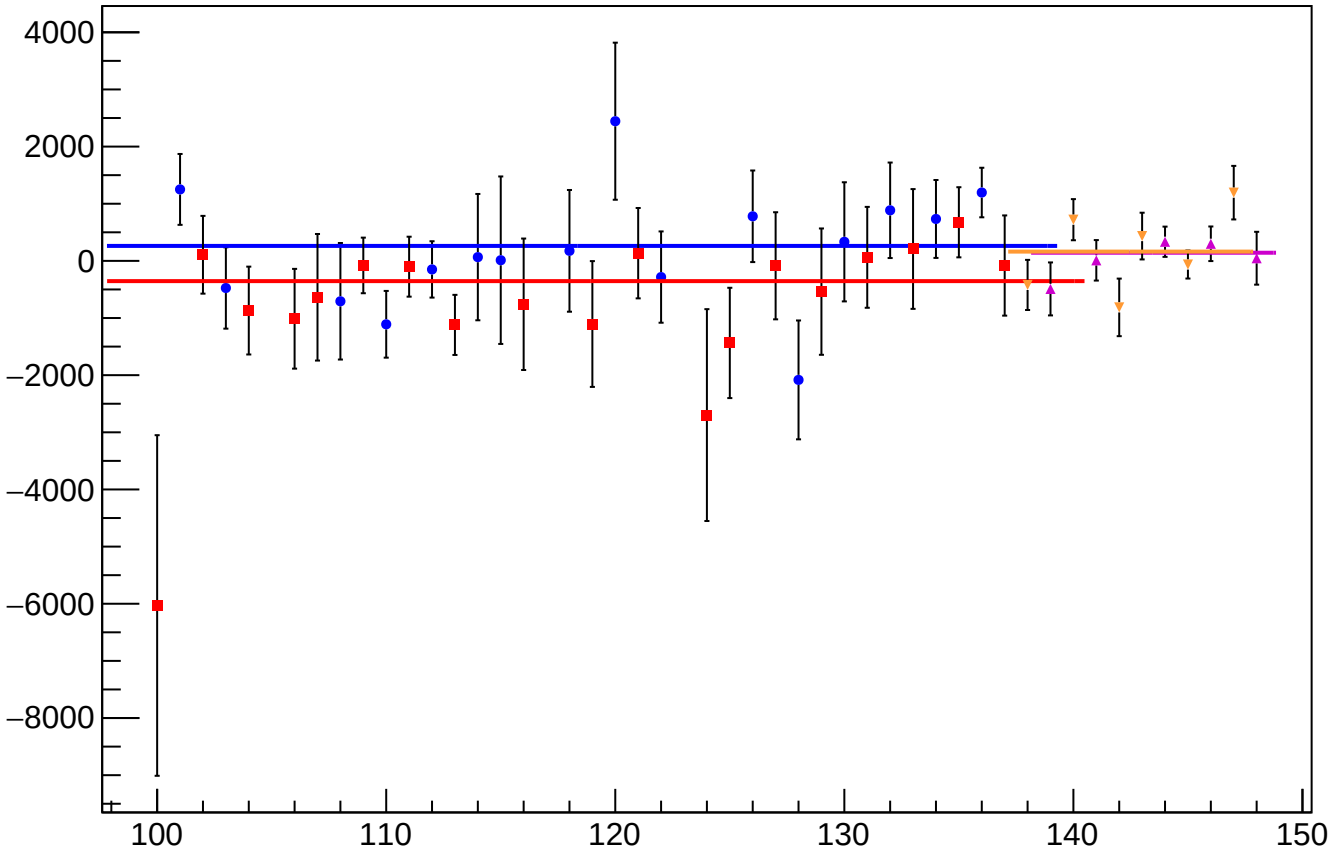
Left: 41.192+/-0.010 χ^2/NDF: 215733.6/10

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.705+/-0.009 χ^2/NDF:689869.7/20

Out: 43.843+/-0.009 χ^2/NDF:686909.9/24

All: 43.775+/-0.007 χ^2/NDF: 1376889.9/45



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 142.465+/-153.410 χ^2/NDF:2.8/4

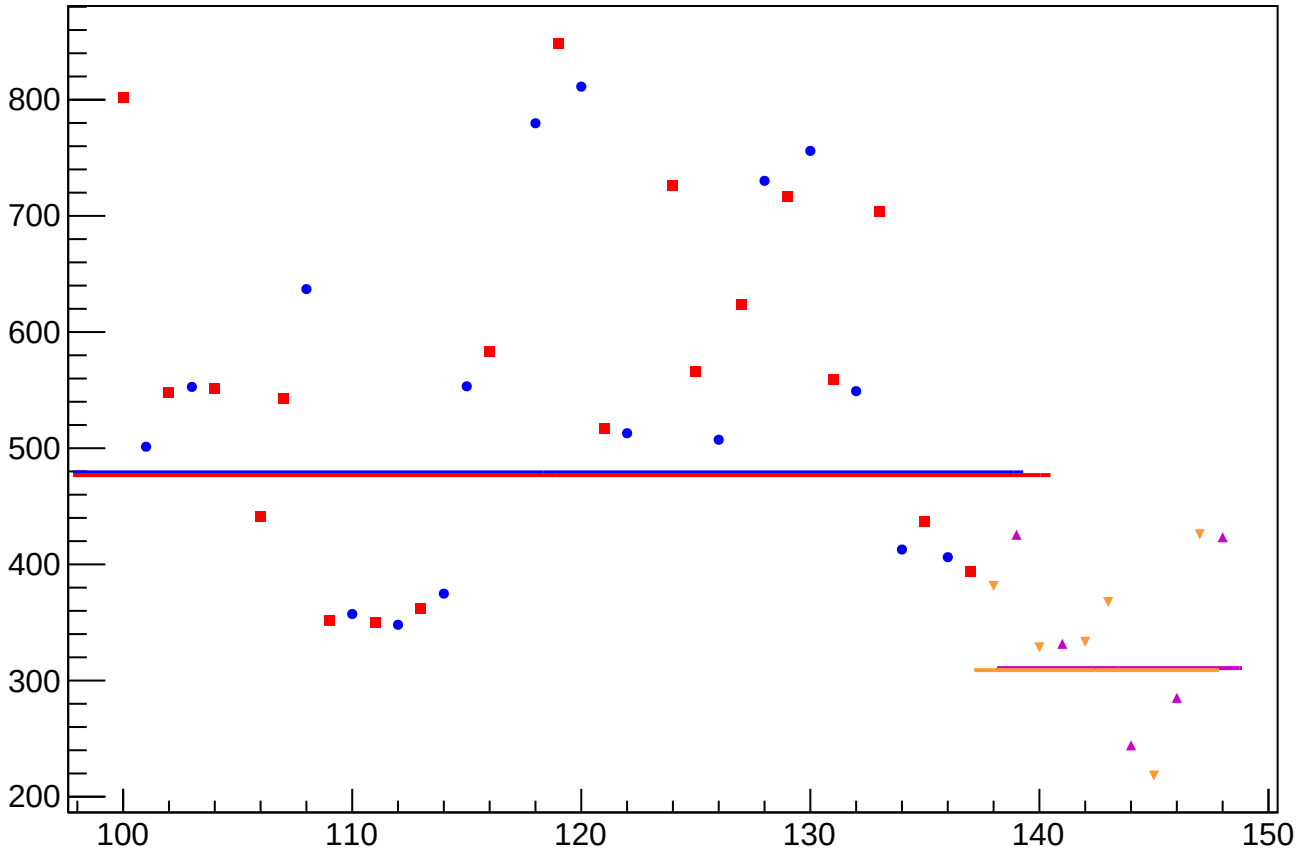
Left: 152.596+/-107.527 χ^2/NDF: 16.9/10

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 191.083+/-118.145 χ^2/NDF:28.1/20

Out: -47.966+/-116.074 χ^2/NDF:34.1/24

All: 69.445+/-82.799 χ^2/NDF: 64.2/45



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 308.966+/-0.107 χ^2/NDF:504434.1/5

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

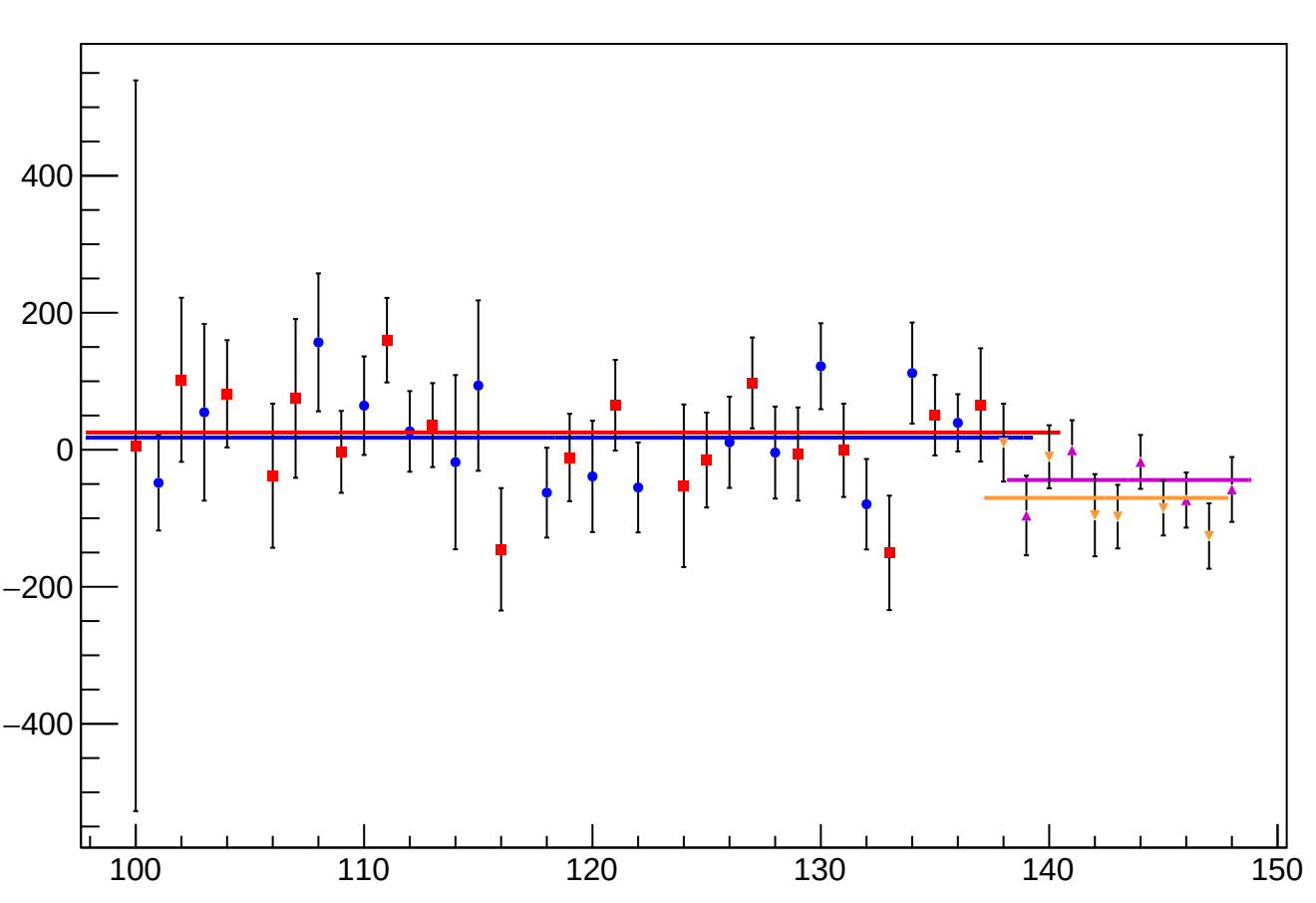
Left: 309.817+/-0.076 χ^2/NDF: 893259.2/10

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.254+/-0.084 χ^2/NDF:2322996.7/20

Out: 377.344+/-0.082 χ^2/NDF:2518637.5/24

All: 378.282+/-0.059 χ^2/NDF: 4841900.3/45



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.246+/-19.654 χ^2/NDF:5.7/5

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -44.109+/-19.888 χ^2/NDF:2.8/4

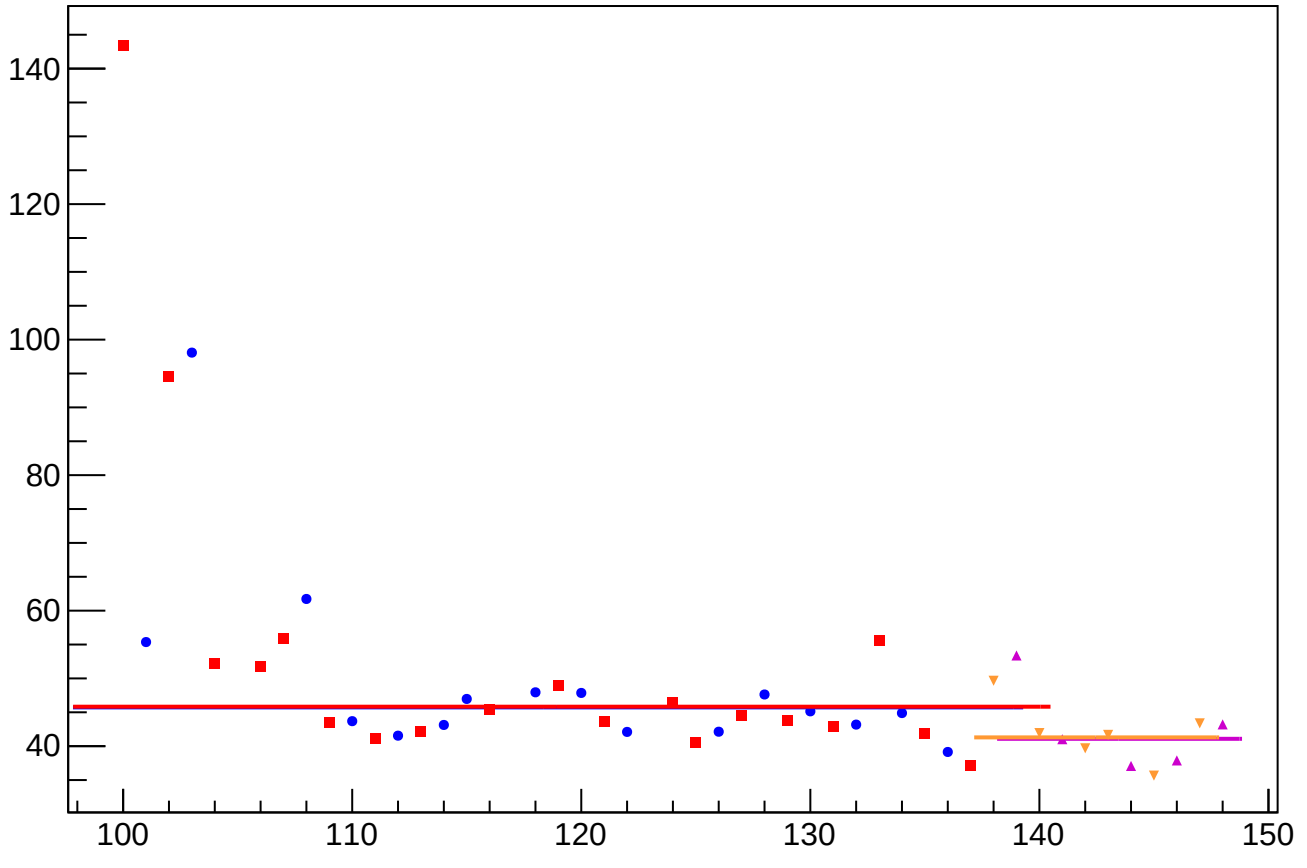
Left: -57.332+/-13.979 χ^2/NDF: 9.5/10

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -9.218+/-13.125 χ^2/NDF:22.2/20

Out: -16.605+/-13.002 χ^2/NDF:37.0/24

All: -12.946+/-9.237 χ^2/NDF: 59.4/45



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

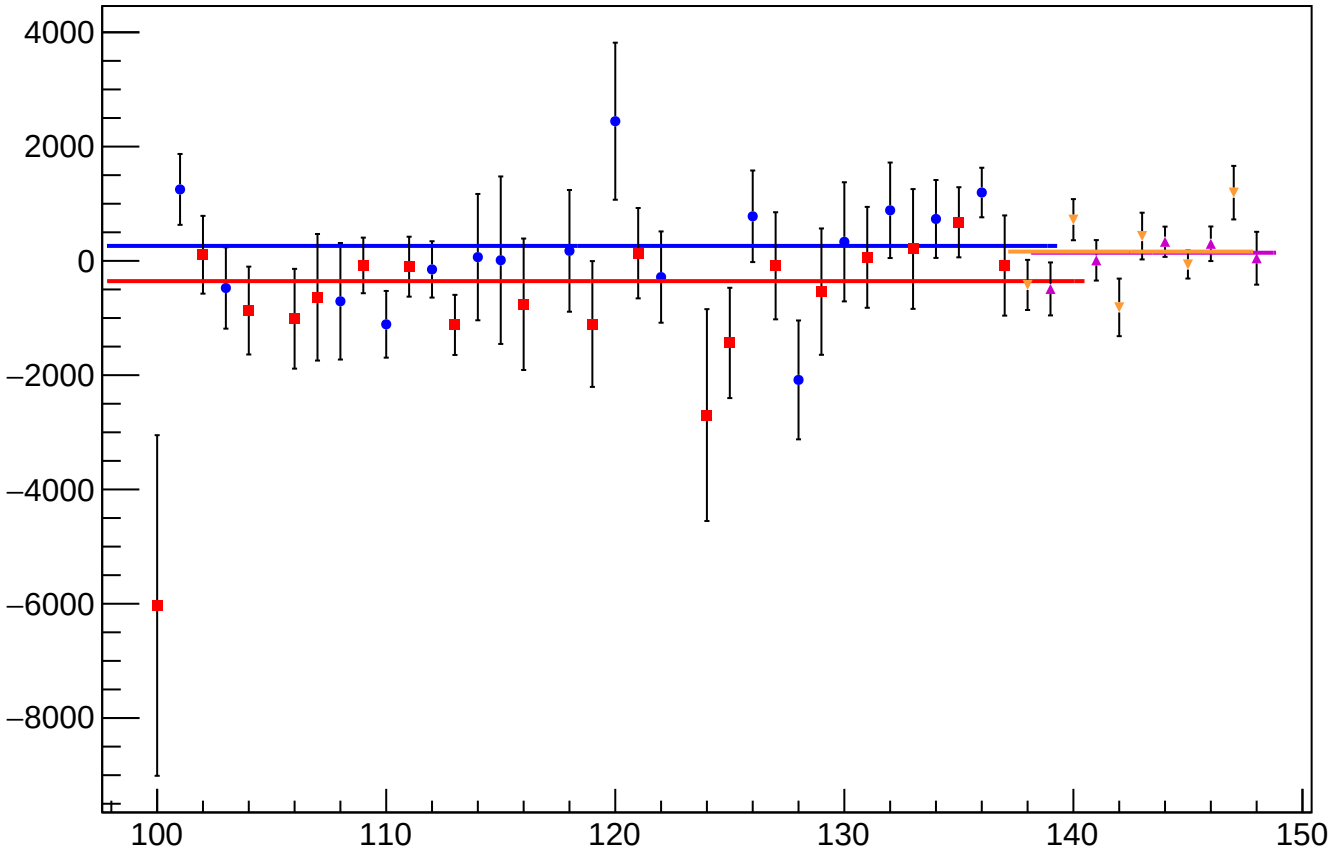
Left: 41.192+/-0.010 χ^2/NDF: 215733.6/10

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.705+/-0.009 χ^2/NDF:689869.7/20

Out: 43.843+/-0.009 χ^2/NDF:686909.9/24

All: 43.775+/-0.007 χ^2/NDF: 1376889.9/45



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 142.465+/-153.410 χ^2/NDF:2.8/4

Left: 152.596+/-107.527 χ^2/NDF: 16.9/10

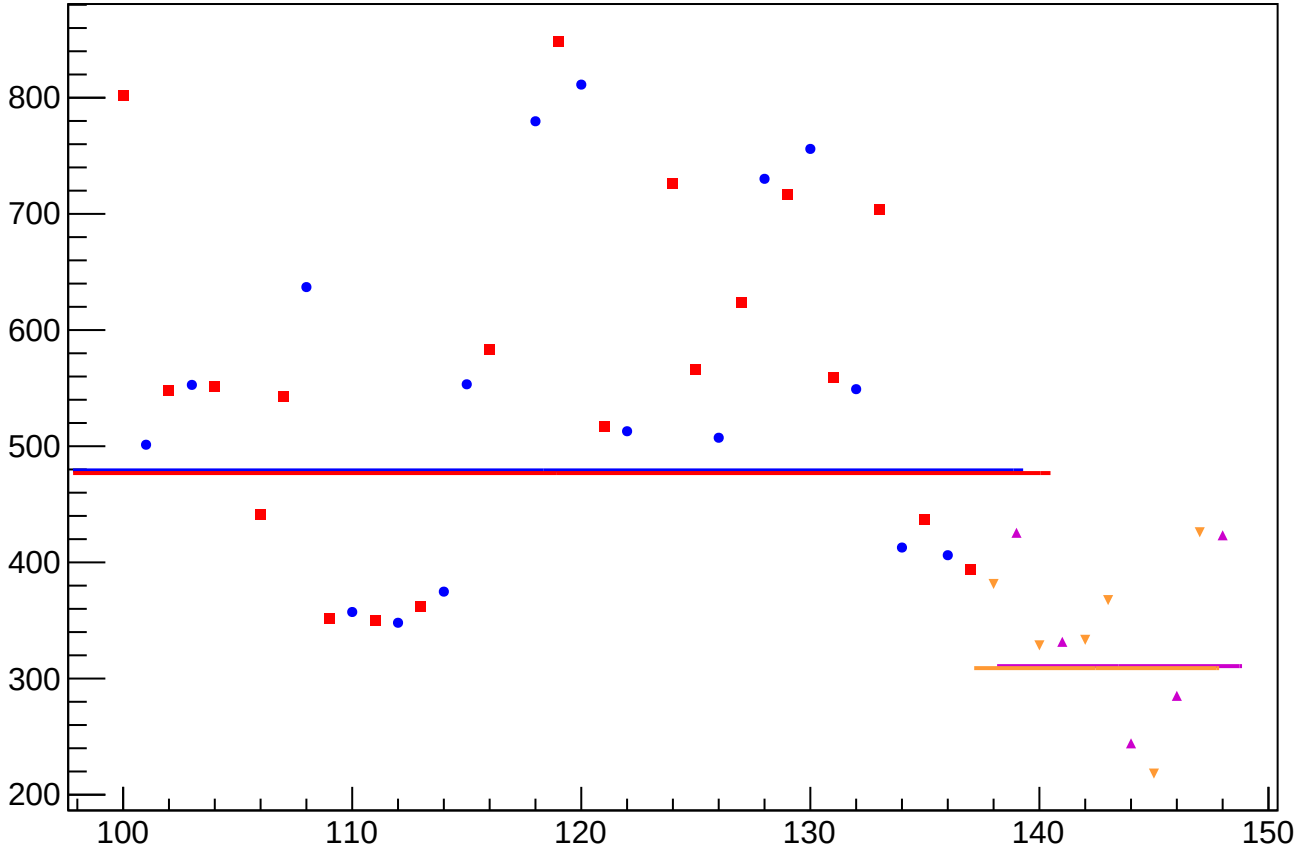
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 191.083+/-118.145 χ^2/NDF:28.1/20

Out: -47.966+/-116.074 χ^2/NDF:34.1/24

All: 69.445+/-82.799 χ^2/NDF: 64.2/45

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 308.966+/-0.107 χ^2/NDF:504434.1/5

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

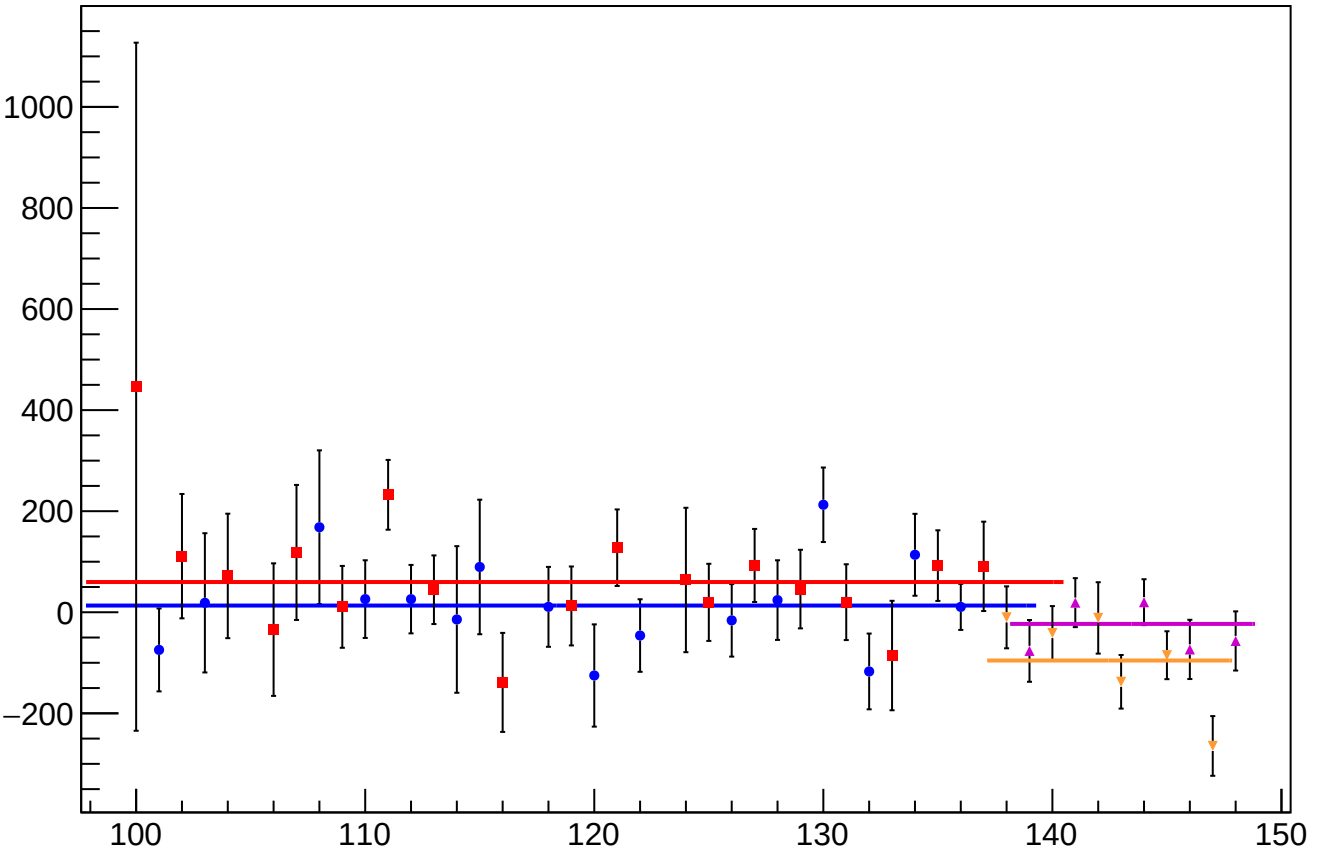
Left: 309.817+/-0.076 χ^2/NDF: 893259.2/10

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.254+/-0.084 χ^2/NDF:2322996.7/20

Out: 377.344+/-0.082 χ^2/NDF:2518637.5/24

All: 378.282+/-0.059 χ^2/NDF: 4841900.3/45



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.499+/-22.908 χ^2/NDF:13.3/5

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.086+/-23.827 χ^2/NDF:3.5/4

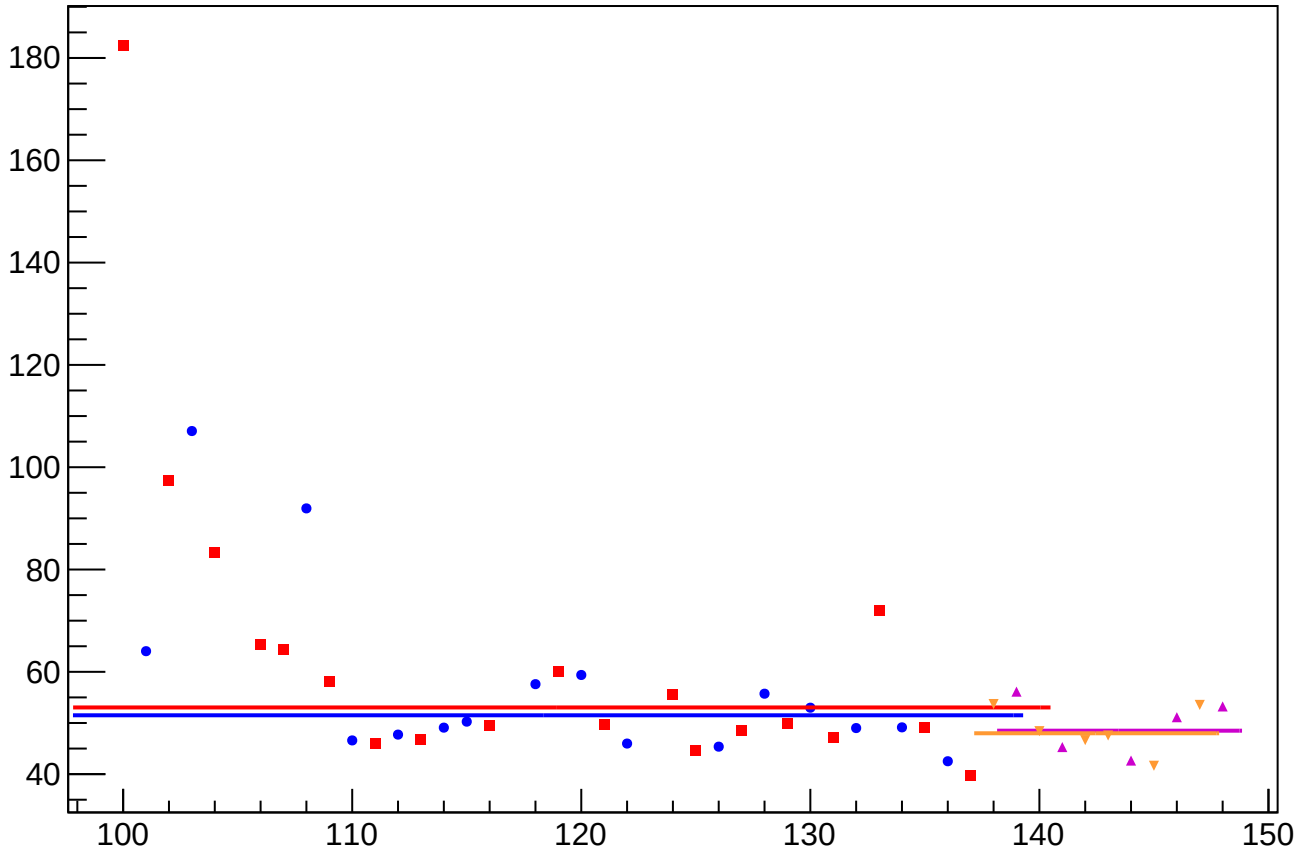
Left: -60.716+/-16.514 χ^2/NDF: 21.6/10

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -1.626+/-15.251 χ^2/NDF:22.1/20

Out: -8.253+/-15.165 χ^2/NDF:55.2/24

All: -4.958+/-10.754 χ^2/NDF: 77.4/45



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.990+/-0.016 χ^2/NDF:71899.6/5

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 48.495+/-0.017 χ^2/NDF:90144.1/4

Left: 48.232+/-0.012 χ^2/NDF: 162510.1/10

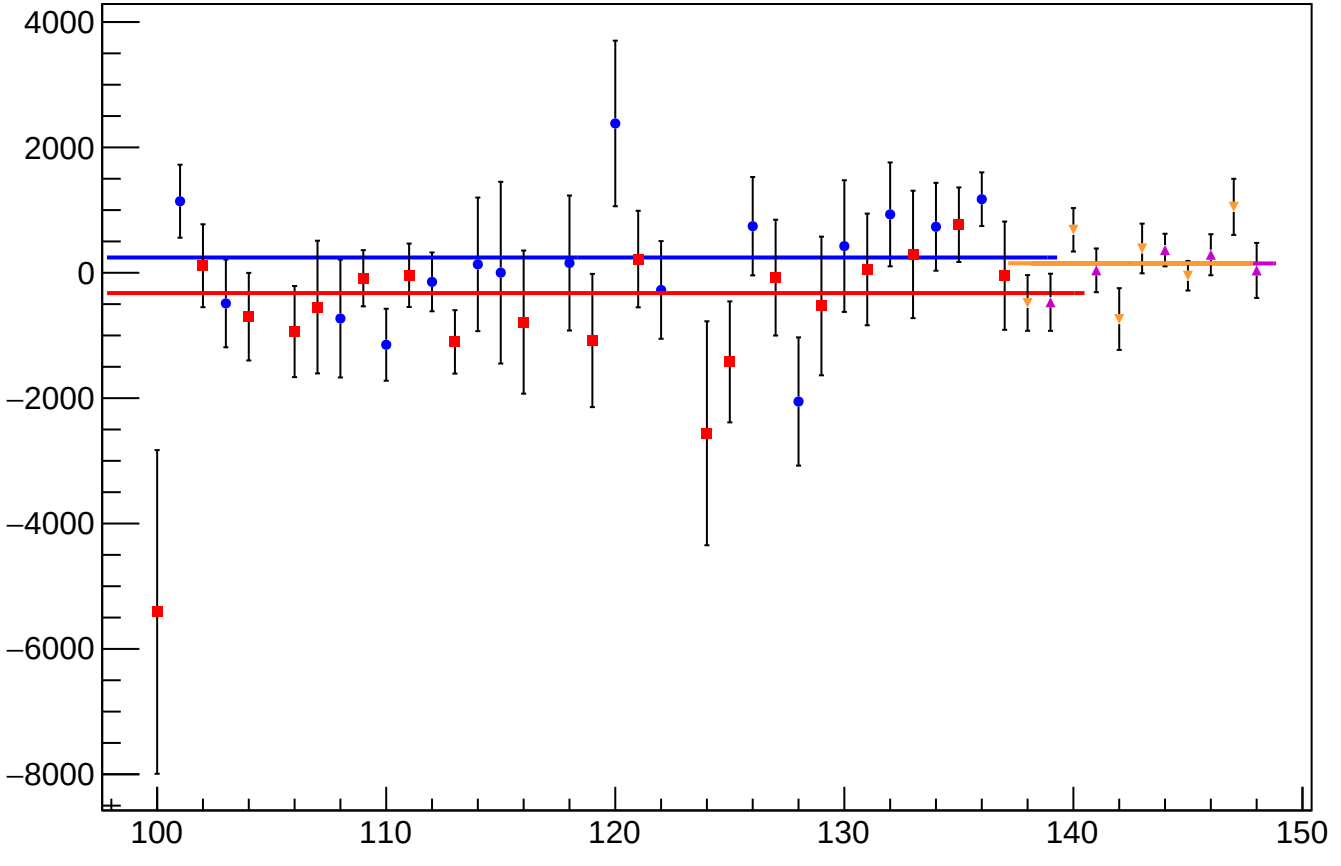
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 50.272+/-0.011 χ^2/NDF:776056.1/20

Out: 50.825+/-0.011 χ^2/NDF:839350.8/24

All: 50.550+/-0.008 χ^2/NDF: 1616730.4/45

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 151.537+/-146.110 χ^2/NDF:12.8/5

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 148.909+/-153.631 χ^2/NDF:2.9/4

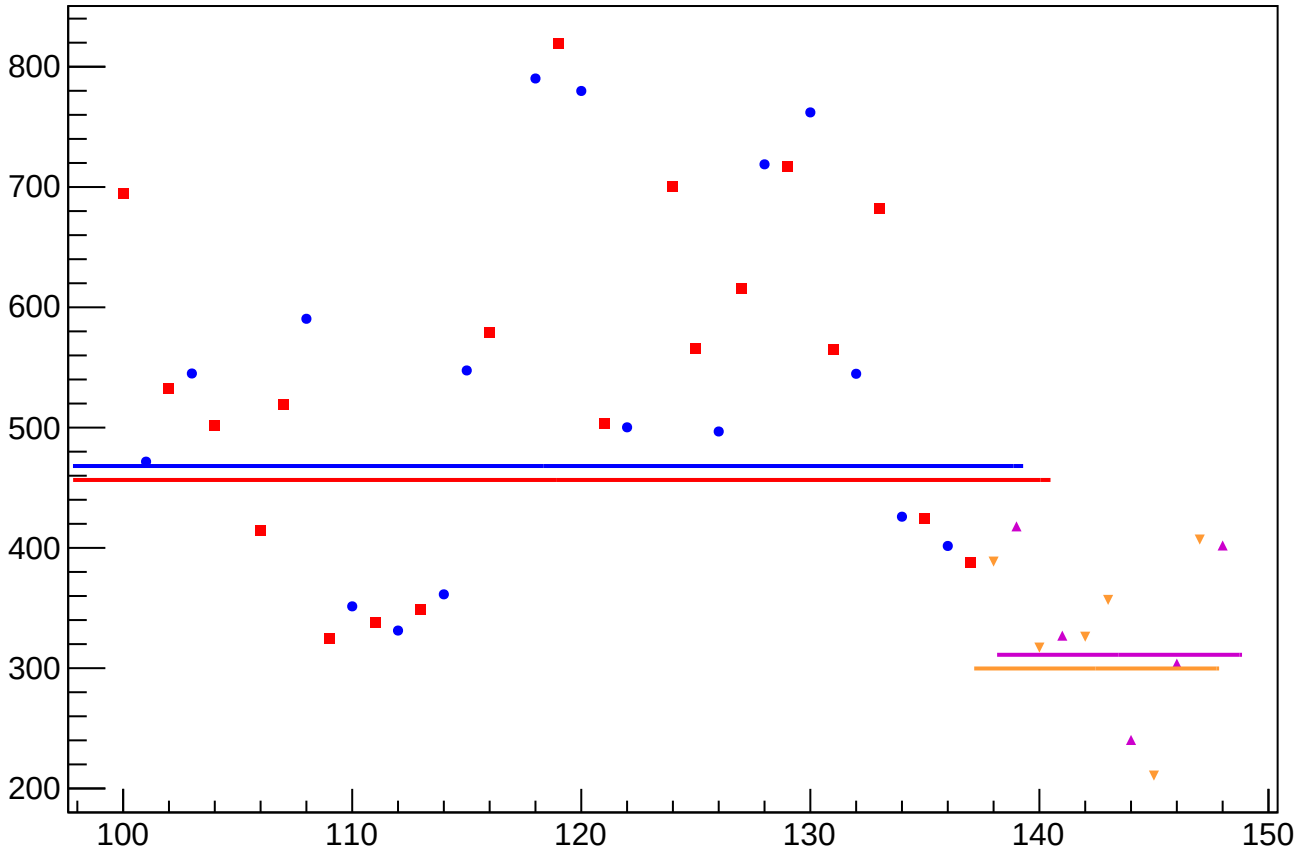
Left: 150.289+/-105.874 χ^2/NDF: 15.6/10

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 188.689+/-117.093 χ^2/NDF:28.6/20

Out: -45.446+/-111.795 χ^2/NDF:33.6/24

All: 66.205+/-80.859 χ^2/NDF: 64.3/45



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 299.747+/-0.103 χ^2/NDF:531776.5/5

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 311.128+/-0.109 χ^2/NDF:349087.7/4

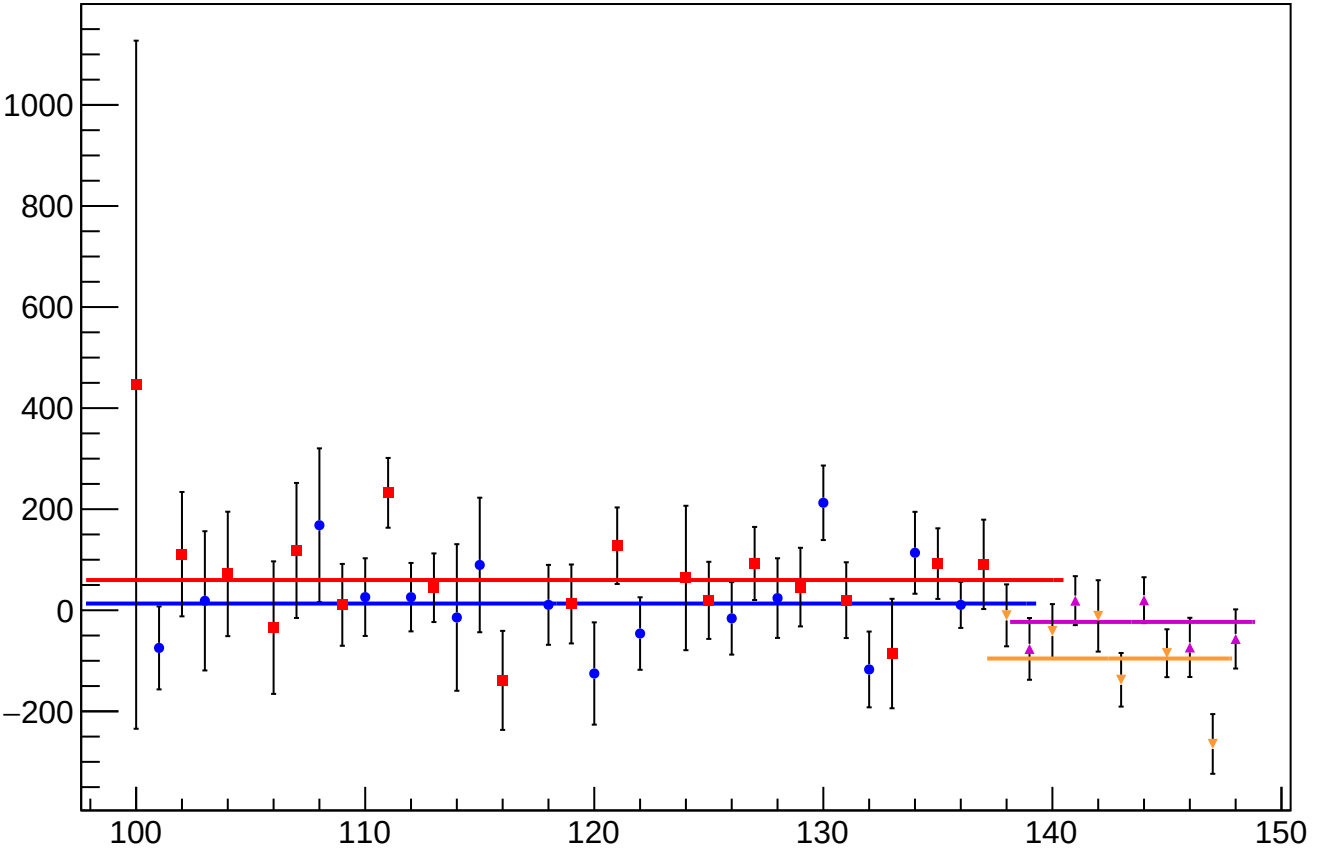
Left: 305.152+/-0.075 χ^2/NDF: 886626.8/10

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 376.901+/-0.083 χ^2/NDF:2206671.6/20

Out: 364.717+/-0.079 χ^2/NDF:2568258.8/24

All: 370.527+/-0.057 χ^2/NDF: 4786257.9/45



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.499+/-22.908 χ^2/NDF:13.3/5

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.086+/-23.827 χ^2/NDF:3.5/4

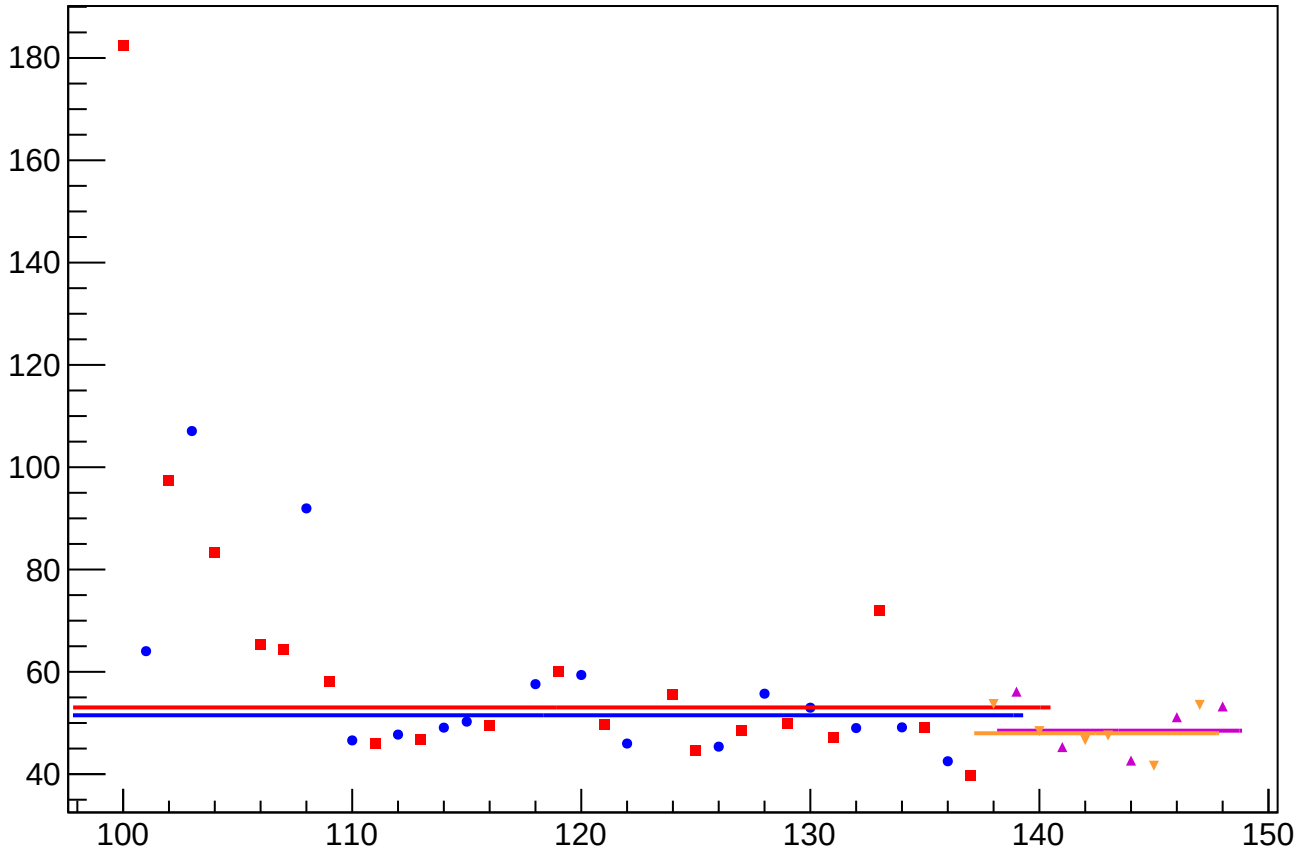
Left: -60.716+/-16.514 χ^2/NDF: 21.6/10

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -1.626+/-15.251 χ^2/NDF:22.1/20

Out: -8.252+/-15.165 χ^2/NDF:55.2/24

All: -4.958+/-10.754 χ^2/NDF: 77.4/45



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.990+/-0.016 χ^2/NDF:71899.3/5

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.495+/-0.017 χ^2/NDF:90143.6/4

Left: 48.232+/-0.012 χ^2/NDF: 162509.2/10

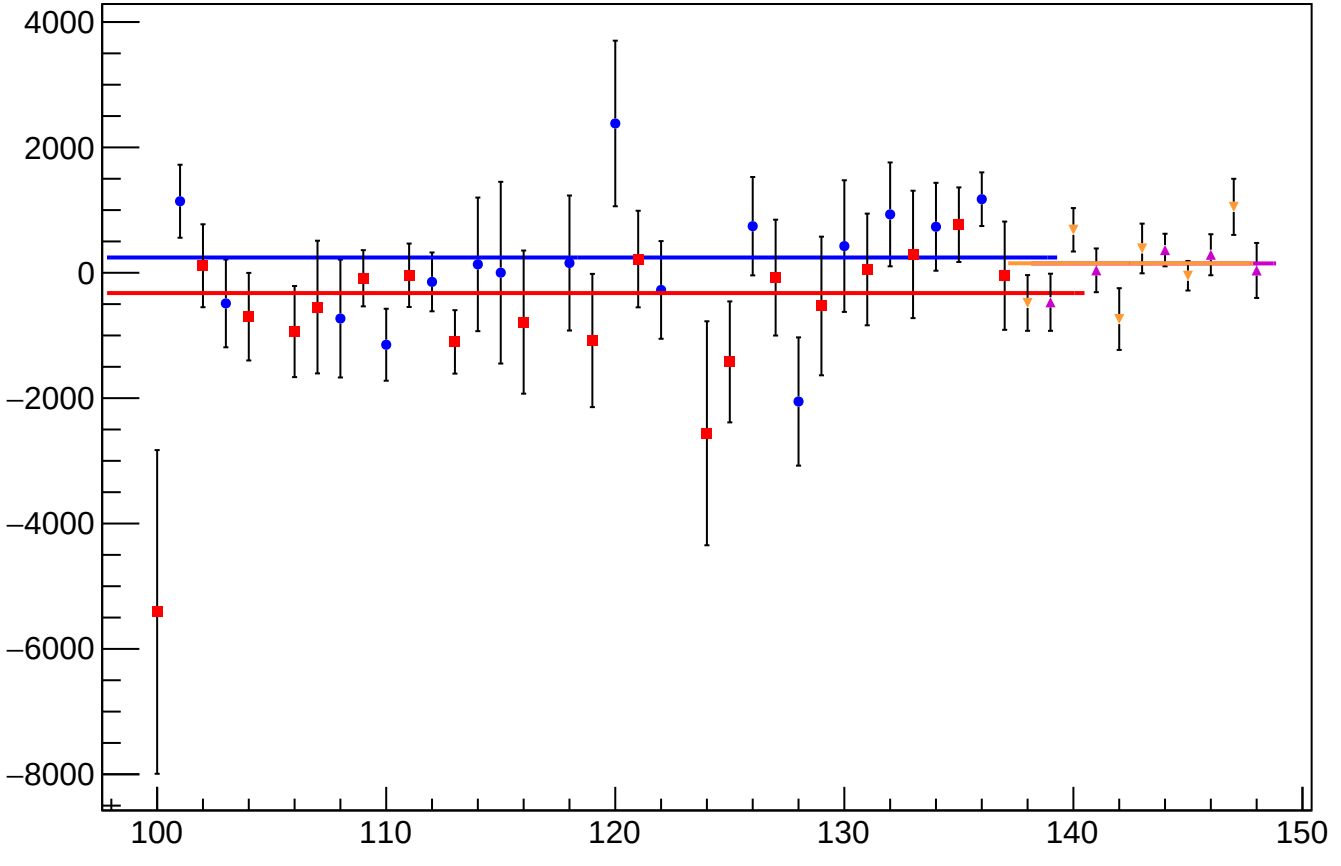
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 50.272+/-0.011 χ^2/NDF:776060.6/20

Out: 50.825+/-0.011 χ^2/NDF:839359.3/24

All: 50.550+/-0.008 χ^2/NDF: 1616743.6/45

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 151.538+/-146.110 χ^2/NDF:12.8/5

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 148.909+/-153.631 χ^2/NDF:2.9/4

Left: 150.290+/-105.874 χ^2/NDF: 15.6/10

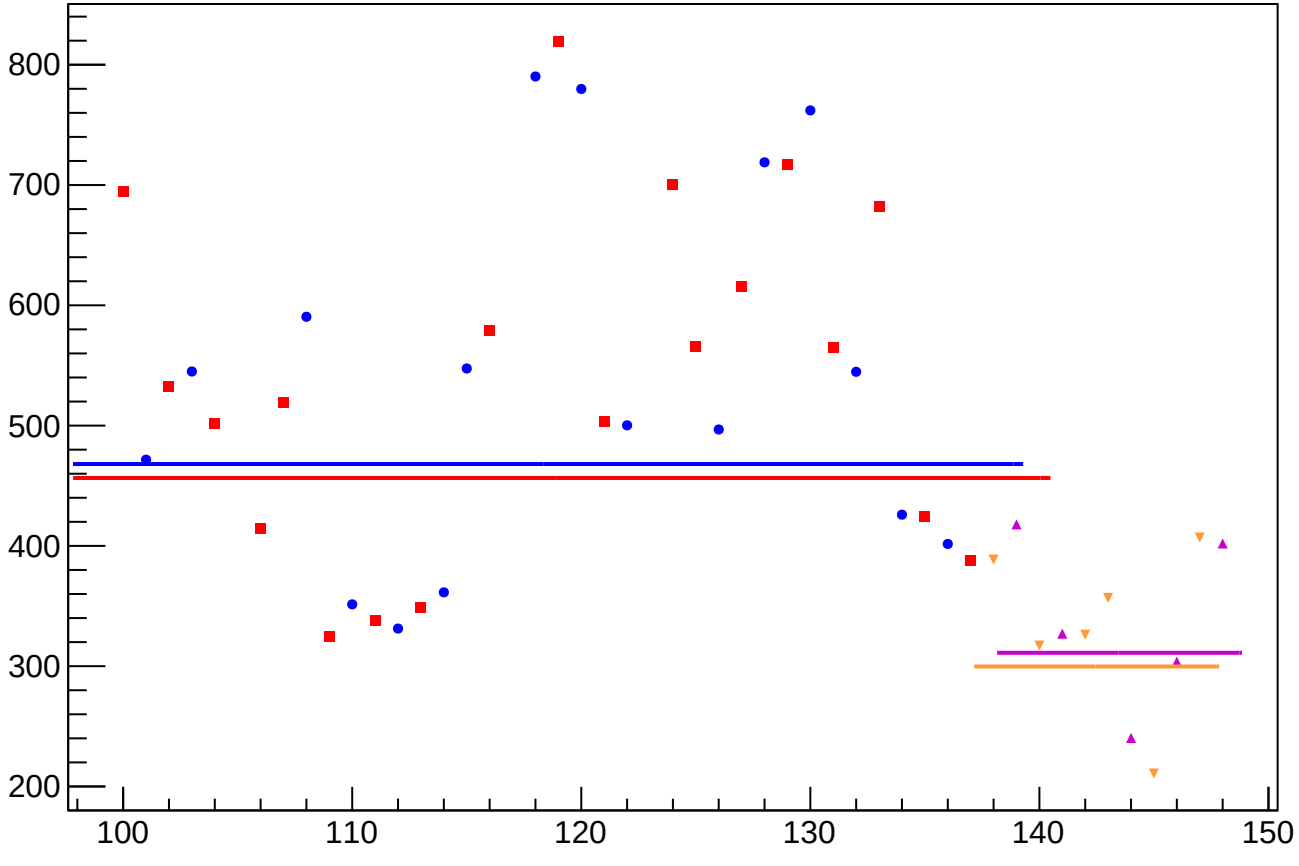
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 188.689+/-117.093 χ^2/NDF:28.6/20

Out: -45.445+/-111.795 χ^2/NDF:33.6/24

All: 66.205+/-80.859 χ^2/NDF: 64.3/45

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 299.747+/-0.103 χ^2/NDF:531779.8/5

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 311.128+/-0.109 χ^2/NDF:349090.0/4

Left: 305.152+/-0.075 χ^2/NDF: 886632.8/10

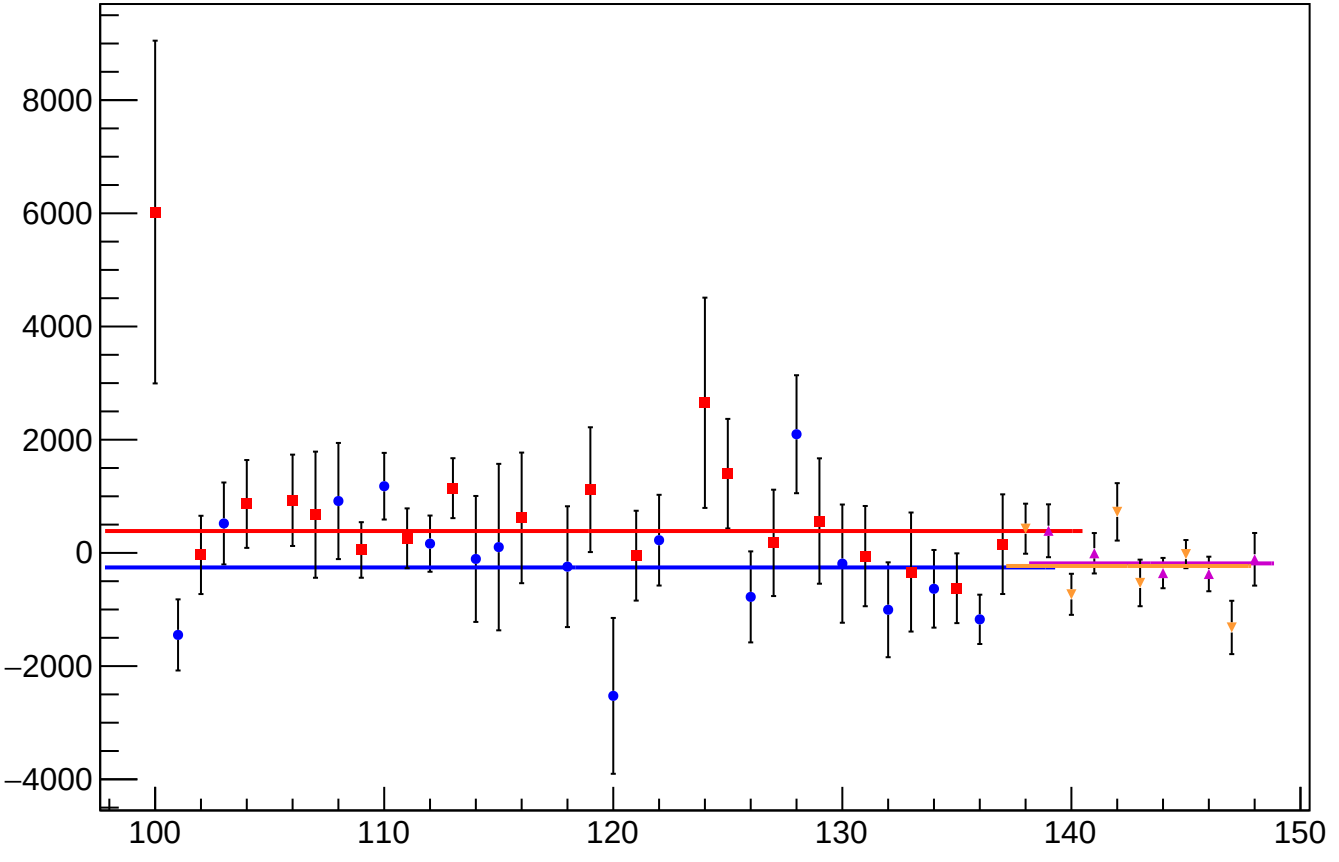
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 376.901+/-0.083 χ^2/NDF:2206664.3/20

Out: 364.717+/-0.079 χ^2/NDF:2568252.6/24

All: 370.527+/-0.057 χ^2/NDF: 4786244.8/45

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -230.779+/-152.200 χ^2/NDF:14.2/5

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -185.432+/-154.840 χ^2/NDF:2.6/4

Left: -208.495+/-108.543 χ^2/NDF: 16.9/10

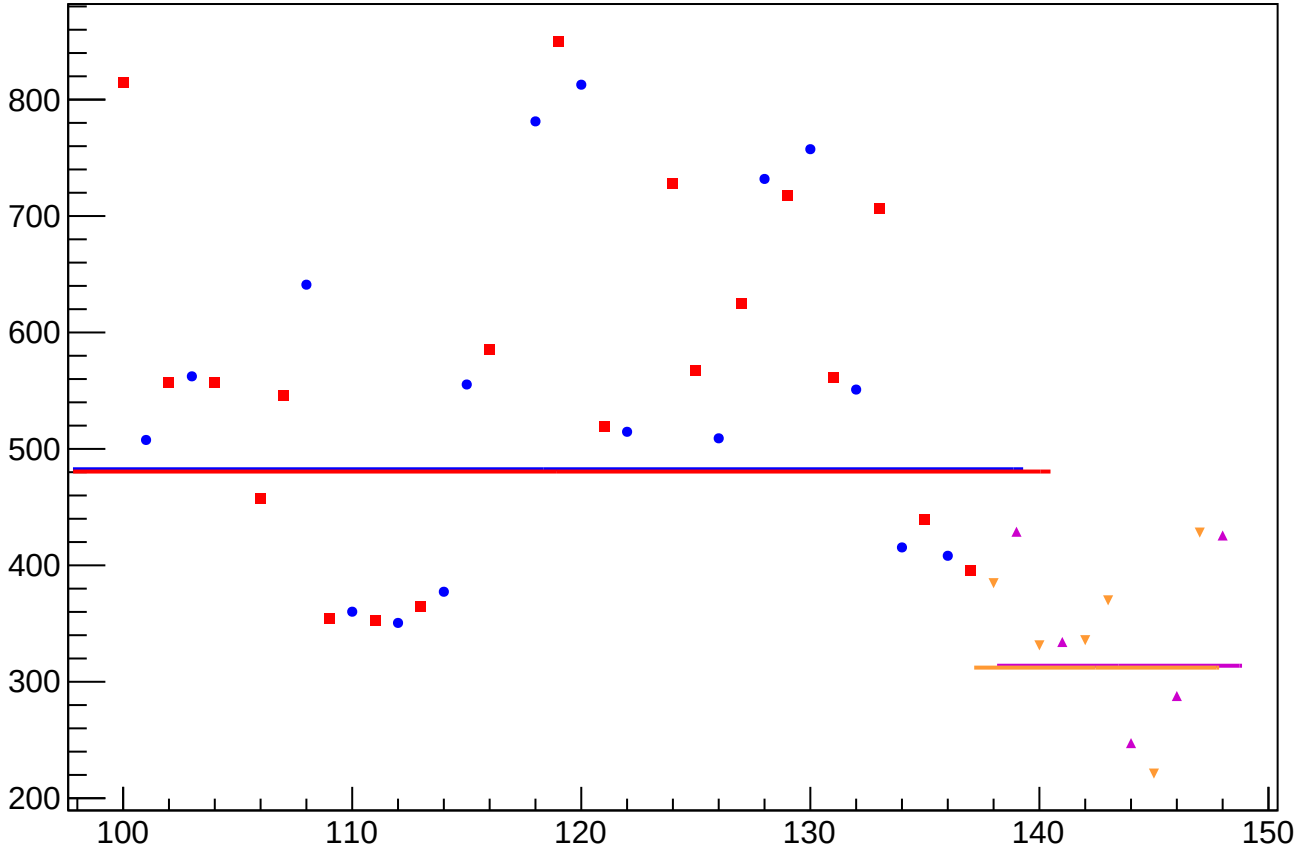
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -214.539+/-119.122 χ^2/NDF:29.6/20

Out: 22.636+/-116.850 χ^2/NDF:35.2/24

All: -93.668+/-83.417 χ^2/NDF: 66.8/45

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 312.169+/-0.108 χ^2/NDF:492016.3/5

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 313.786+/-0.109 χ^2/NDF:381221.2/4

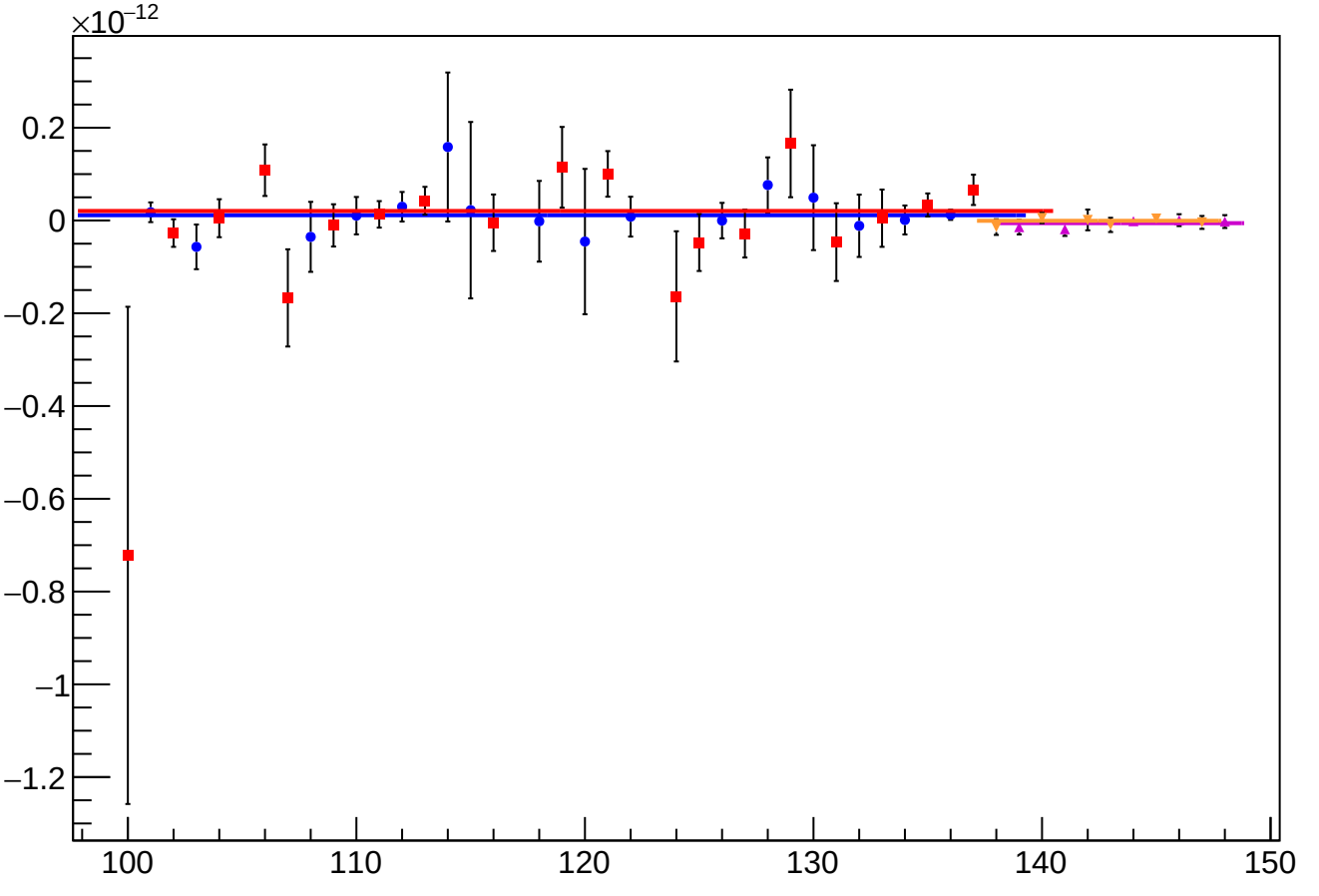
Left: 312.964+/-0.077 χ^2/NDF: 873348.5/10

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 382.650+/-0.084 χ^2/NDF:2296995.2/20

Out: 381.305+/-0.083 χ^2/NDF:2490949.1/24

All: 381.964+/-0.059 χ^2/NDF: 4788074.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

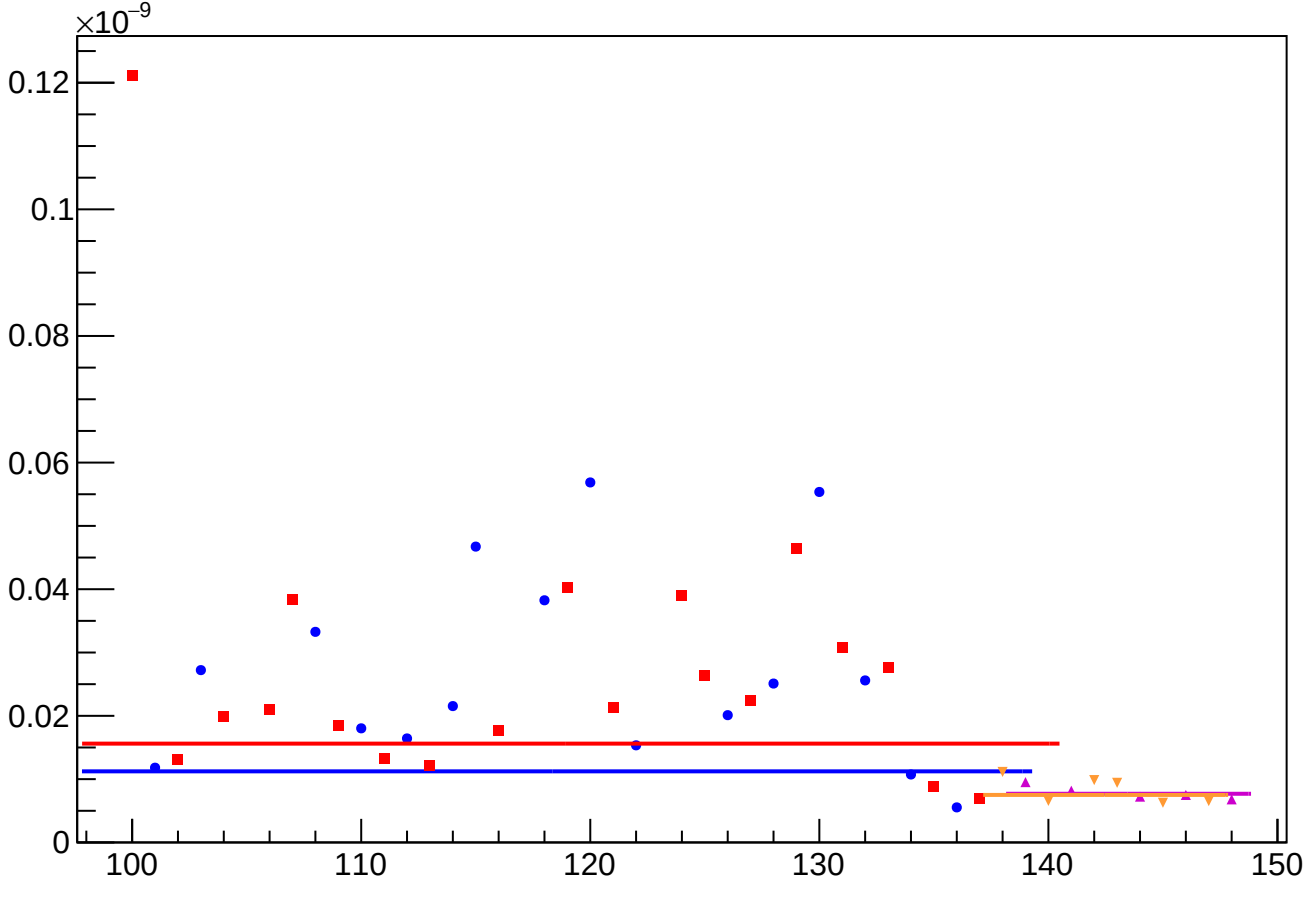
Left: -0.000+/-0.000 χ^2/NDF: 3.5/10

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: 0.000+/-0.000 χ^2/NDF:10.0/20

Out: 0.000+/-0.000 χ^2/NDF:28.6/24

All: 0.000+/-0.000 χ^2/NDF: 38.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:200934.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:41270.9/4

Left: 0.000+/-0.000 χ^2/NDF: 243224.1/10

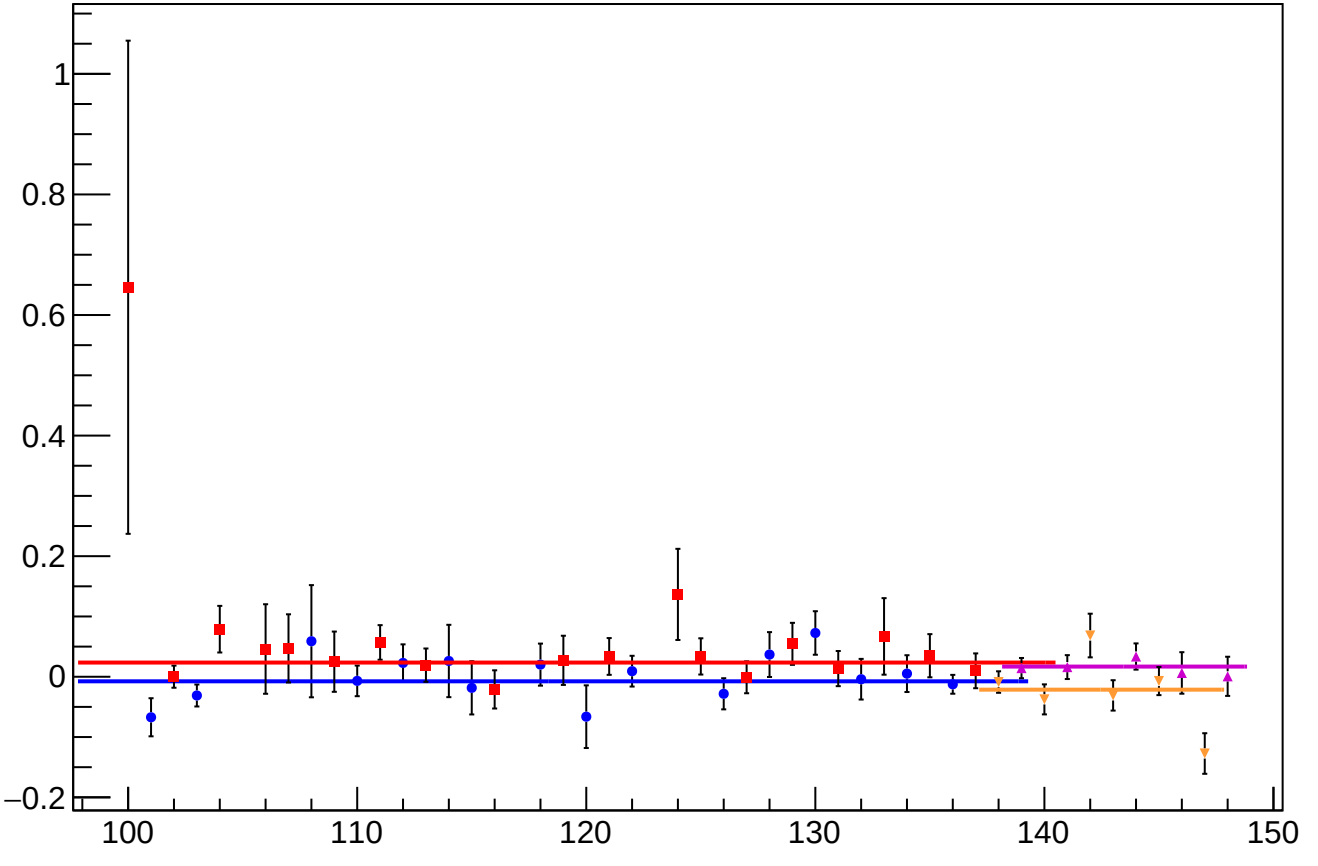
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2398795.0/20

Out: 0.000+/-0.000 χ^2/NDF:2355975.6/24

All: 0.000+/-0.000 χ^2/NDF: 4760768.8/45

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

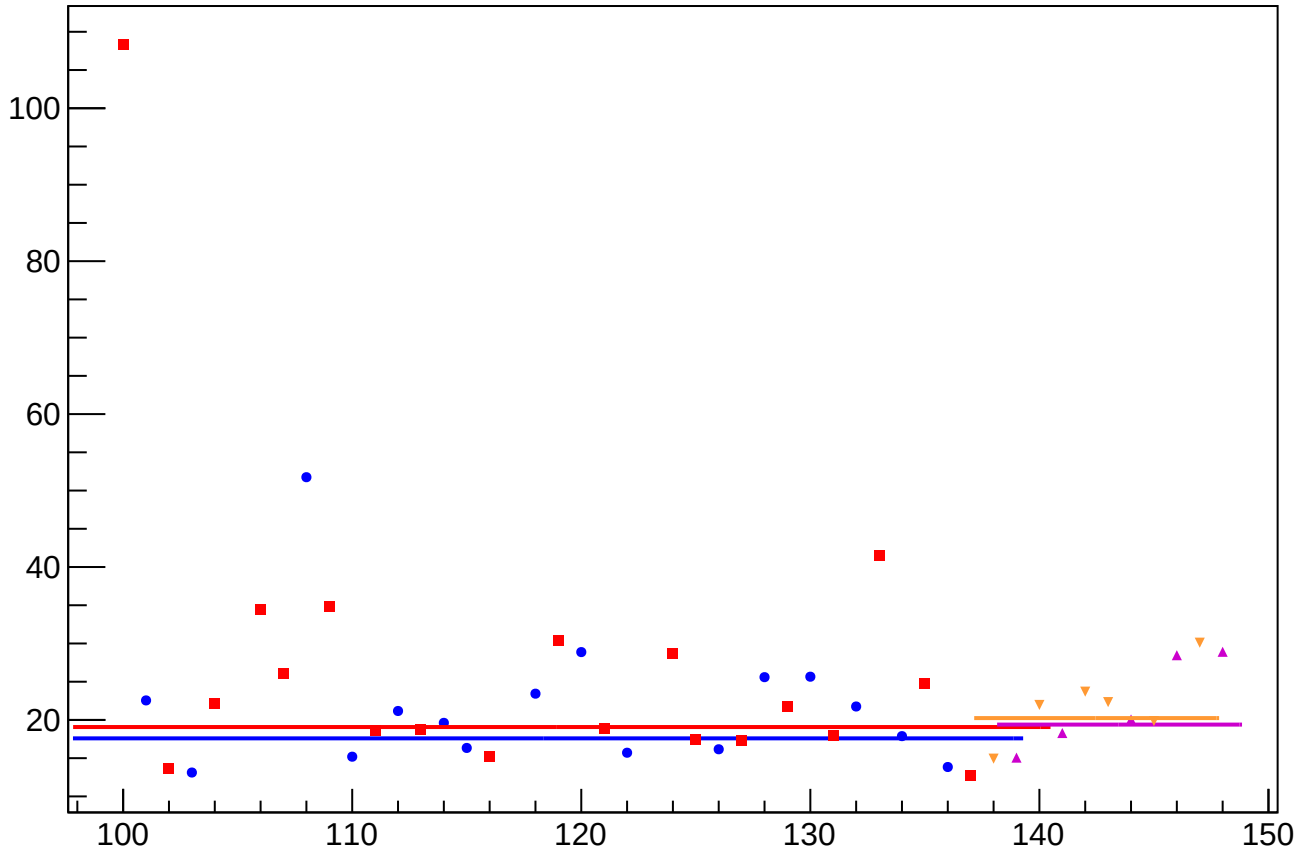
Left: -0.002+/-0.007 χ^2/NDF: 25.7/10

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/45



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.242+/-0.007 χ^2/NDF:391117.3/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 19.392+/-0.007 χ^2/NDF:451214.0/4

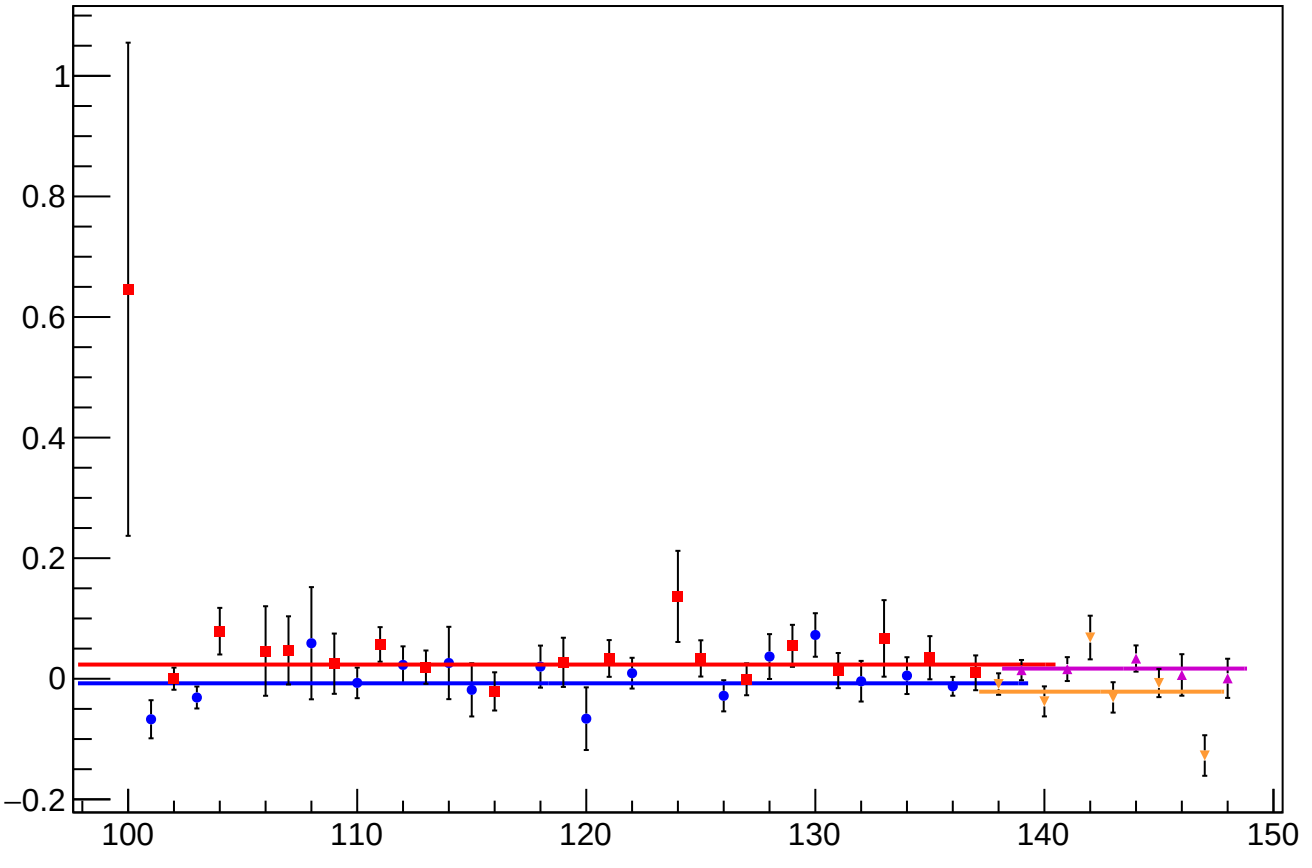
Left: 19.813+/-0.005 χ^2/NDF: 849496.7/10

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.206+/-0.004 χ^2/NDF:1487139.3/20

Out: 19.505+/-0.004 χ^2/NDF:1656022.0/24

All: 18.823+/-0.003 χ^2/NDF: 3190146.5/45



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

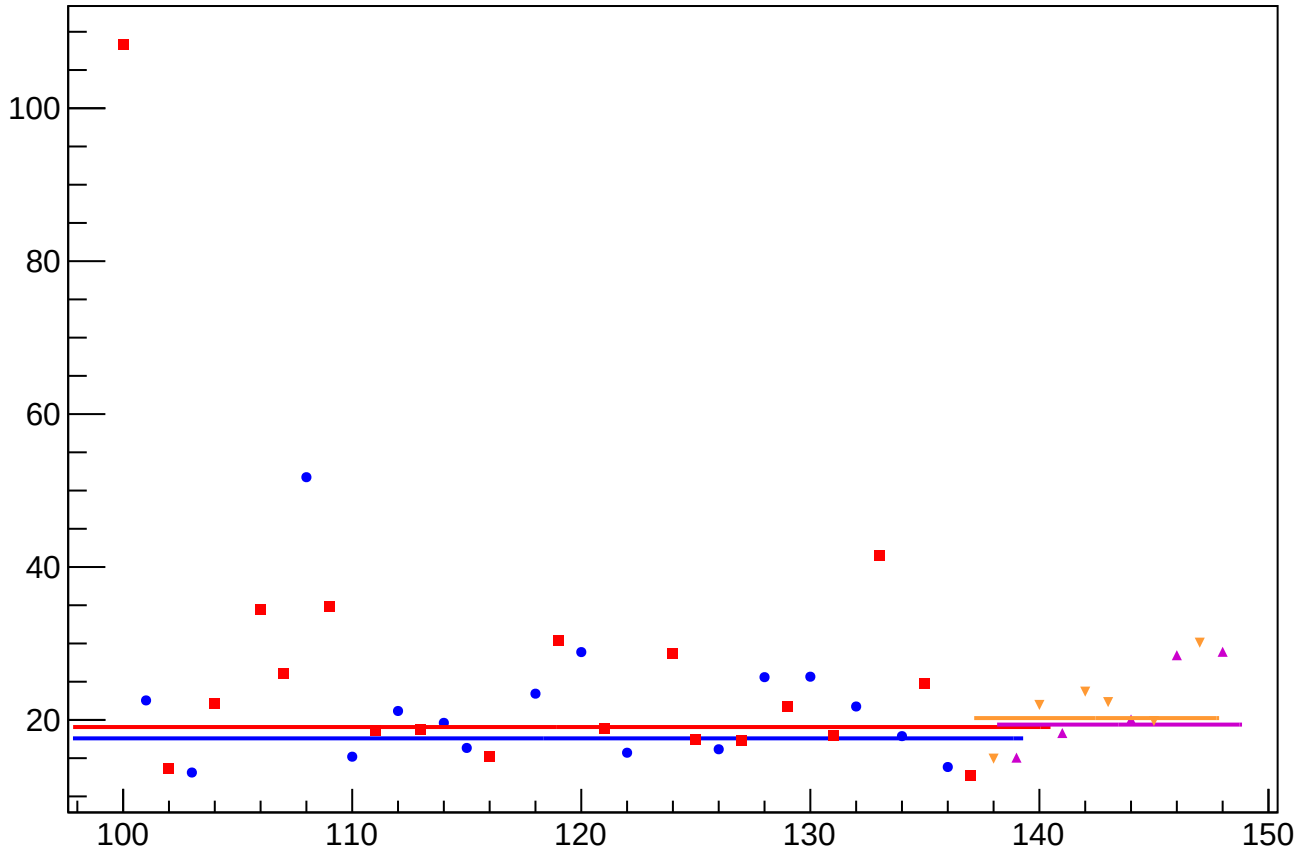
Left: -0.002+/-0.007 χ^2/NDF: 25.7/10

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/45



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.242+/-0.007 χ^2/NDF:391117.3/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 19.392+/-0.007 χ^2/NDF:451214.0/4

Left: 19.813+/-0.005 χ^2/NDF: 849496.7/10

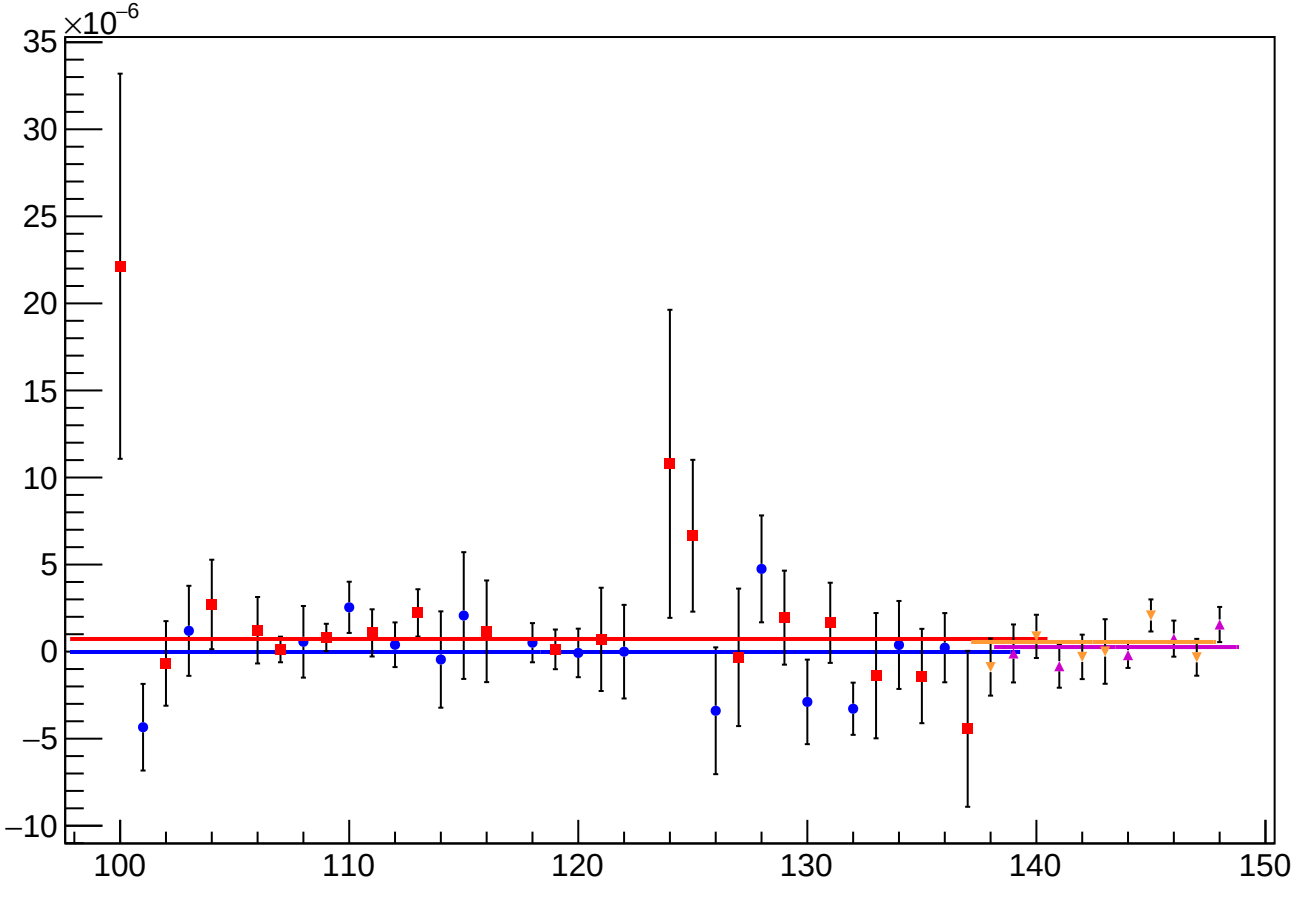
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.206+/-0.004 χ^2/NDF:1487139.3/20

Out: 19.505+/-0.004 χ^2/NDF:1656022.0/24

All: 18.823+/-0.003 χ^2/NDF: 3190146.5/45

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

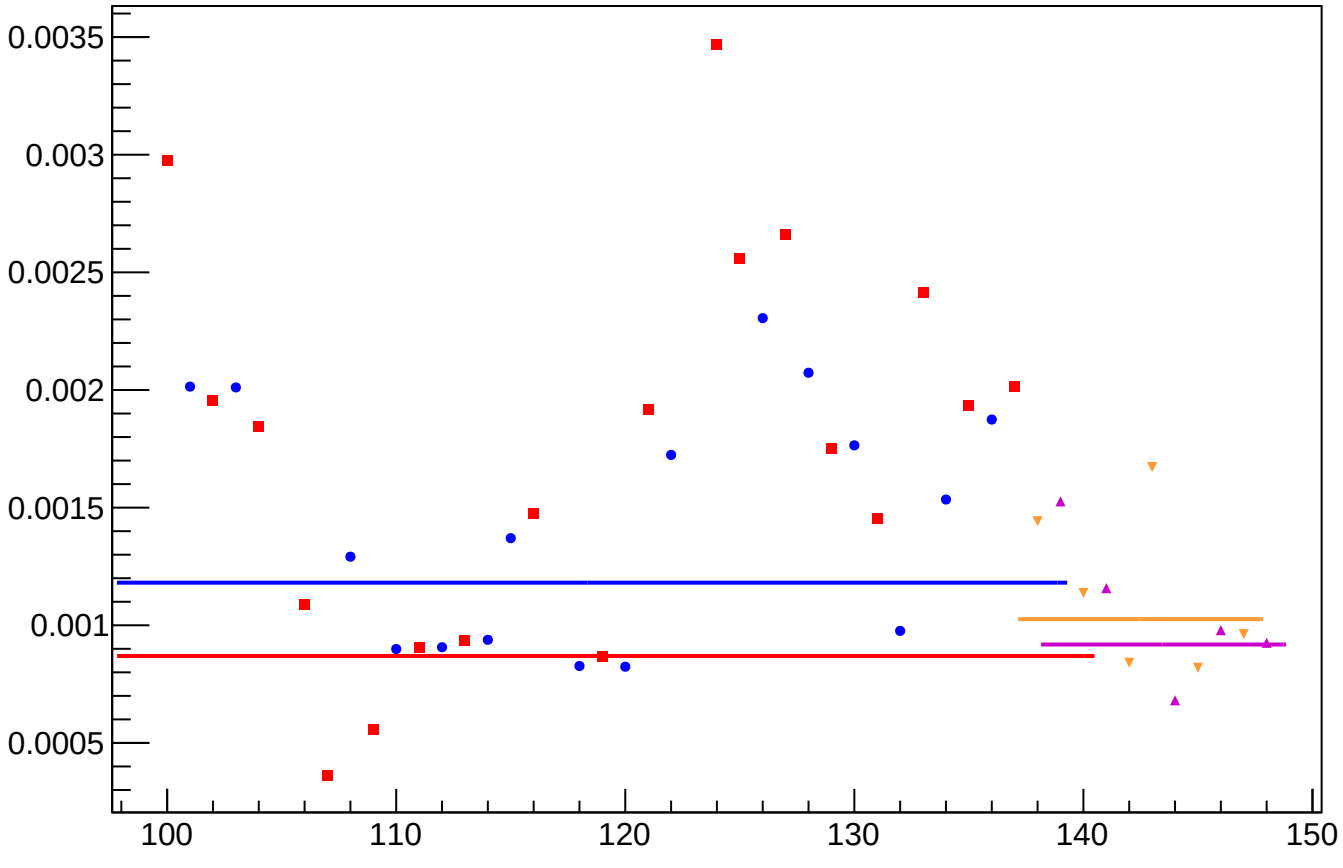
Left: 0.000+/-0.000 χ^2/NDF: 8.1/10

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:19.8/20

Out: 0.000+/-0.000 χ^2/NDF:17.8/24

All: 0.000+/-0.000 χ^2/NDF: 39.0/45



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:537574.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:558415.3/4

Left: 0.001+/-0.000 χ^2/NDF: 1146561.2/10

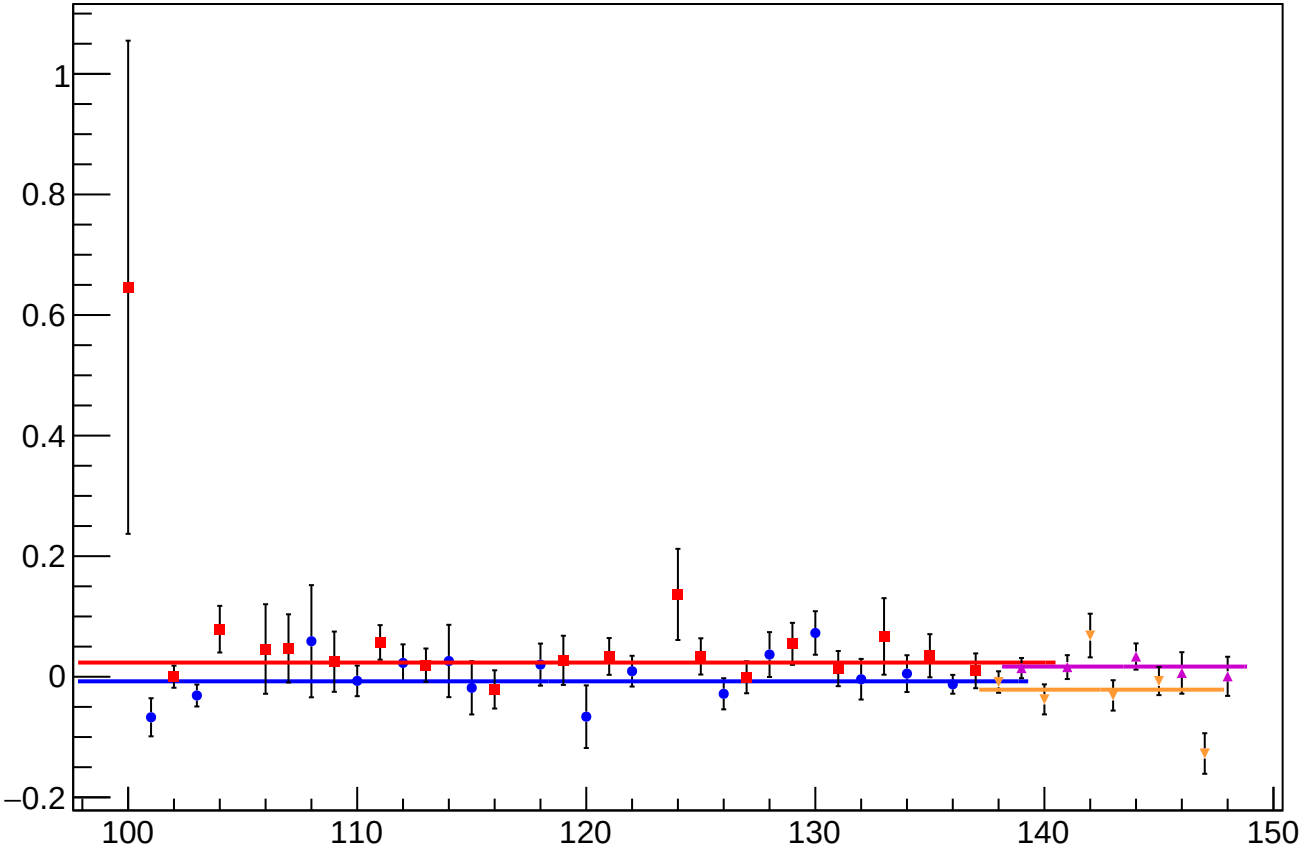
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:2706115.9/20

Out: 0.001+/-0.000 χ^2/NDF:5096955.1/24

All: 0.001+/-0.000 χ^2/NDF: 7943097.5/45

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

Left: -0.002+/-0.007 χ^2/NDF: 25.7/10

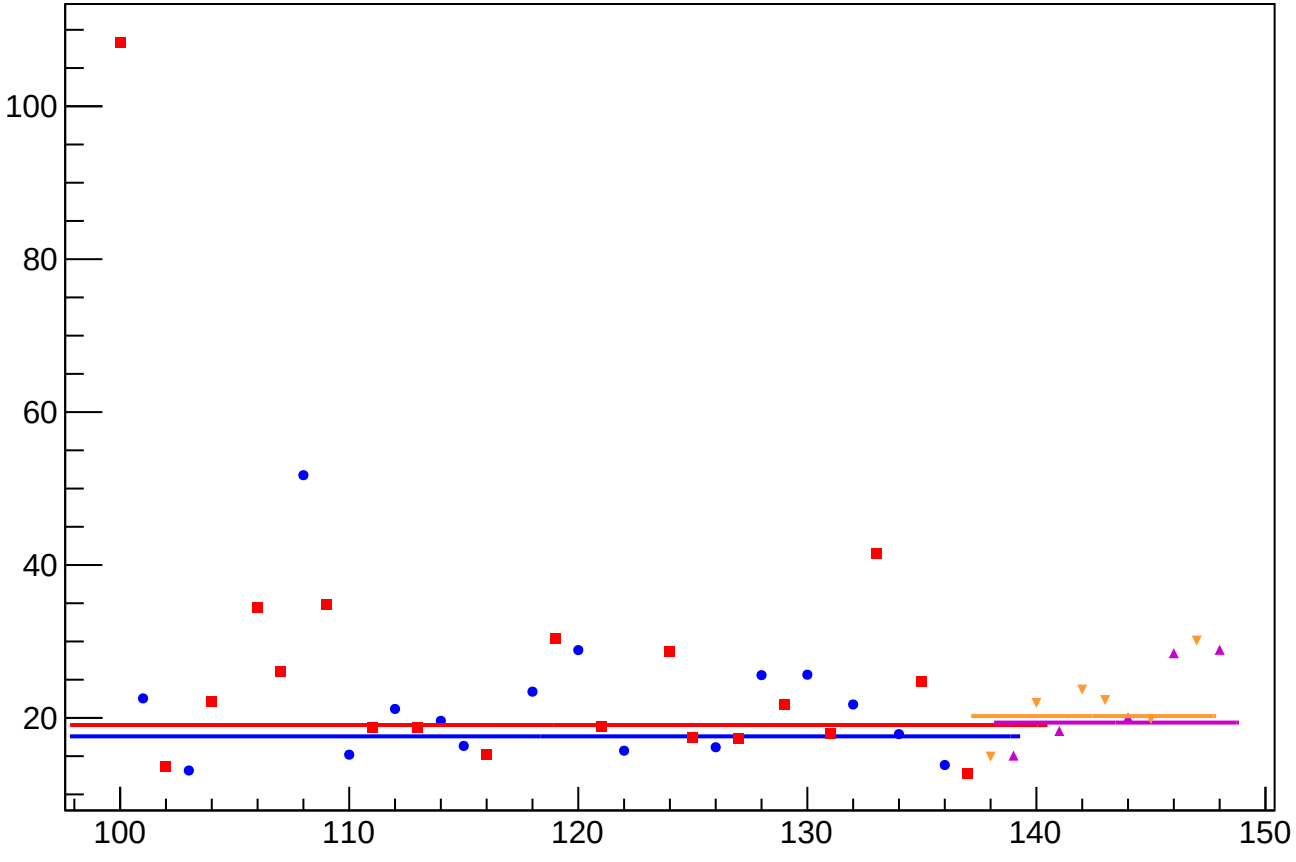
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/45

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: 20.242+/-0.007 χ^2/NDF:391113.9/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

Left: 19.813+/-0.005 χ^2/NDF: 849467.8/10

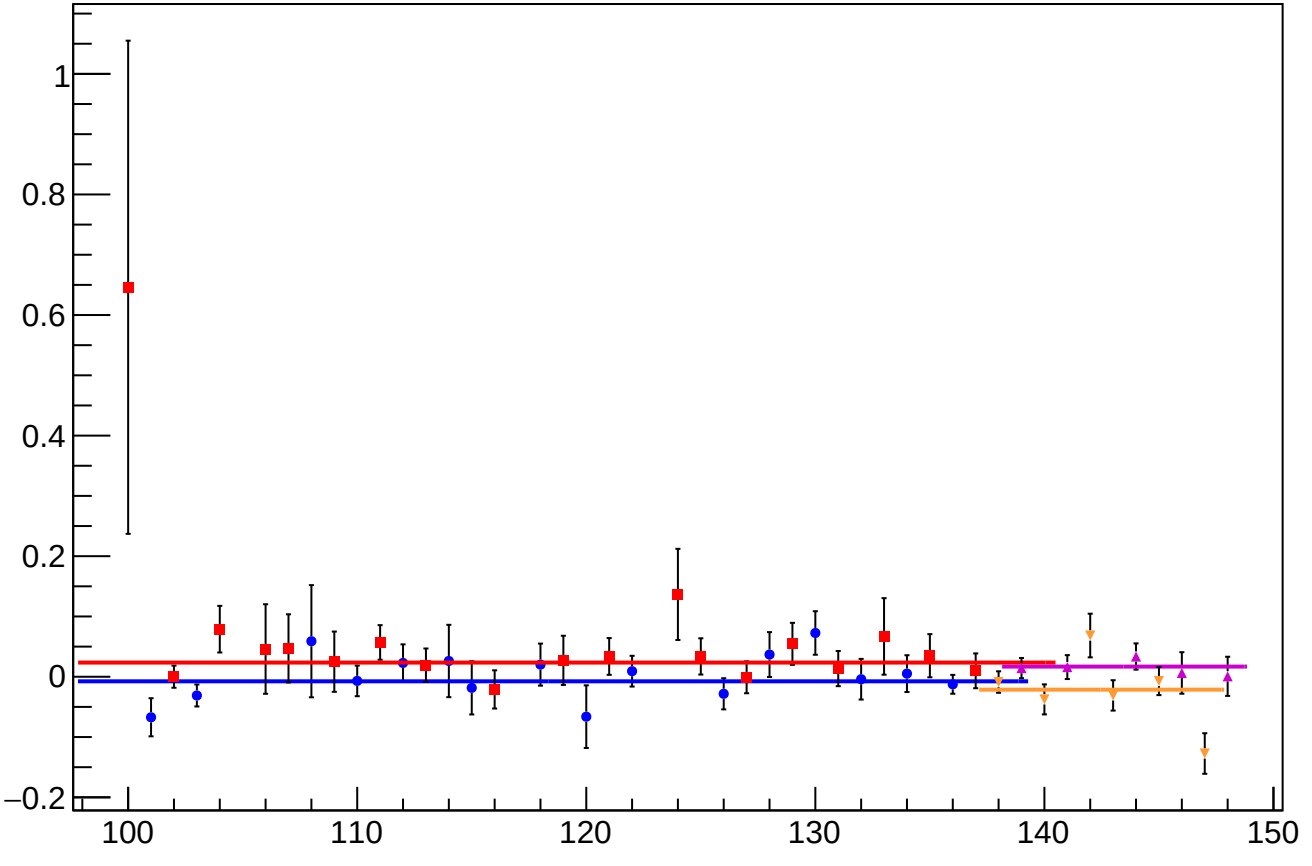
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.206+/-0.004 χ^2/NDF:1487163.6/20

Out: 19.506+/-0.004 χ^2/NDF:1655934.0/24

All: 18.823+/-0.003 χ^2/NDF: 3190093.7/45

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: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

Left: -0.002+/-0.007 χ^2/NDF: 25.7/10

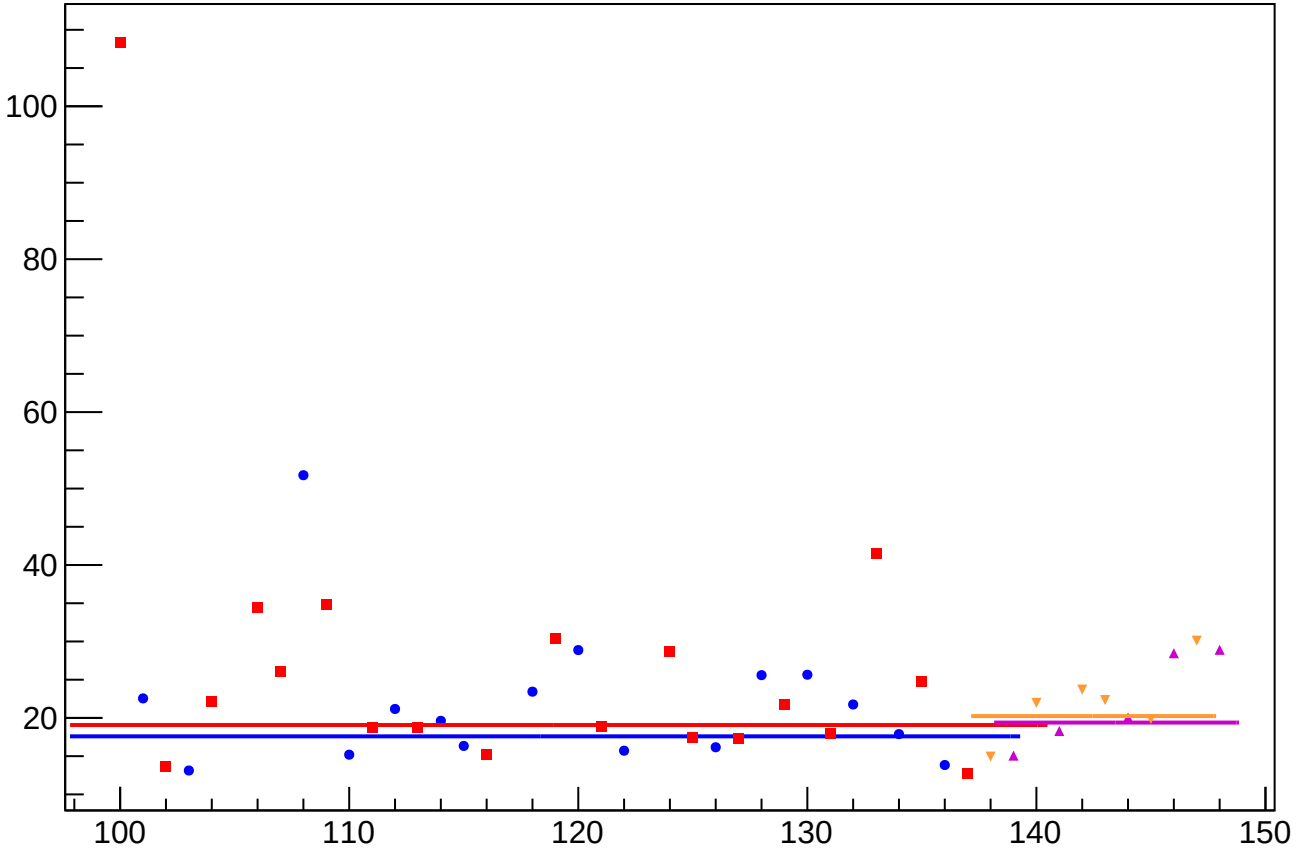
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/45

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: 20.242+/-0.007 χ^2/NDF:391113.9/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

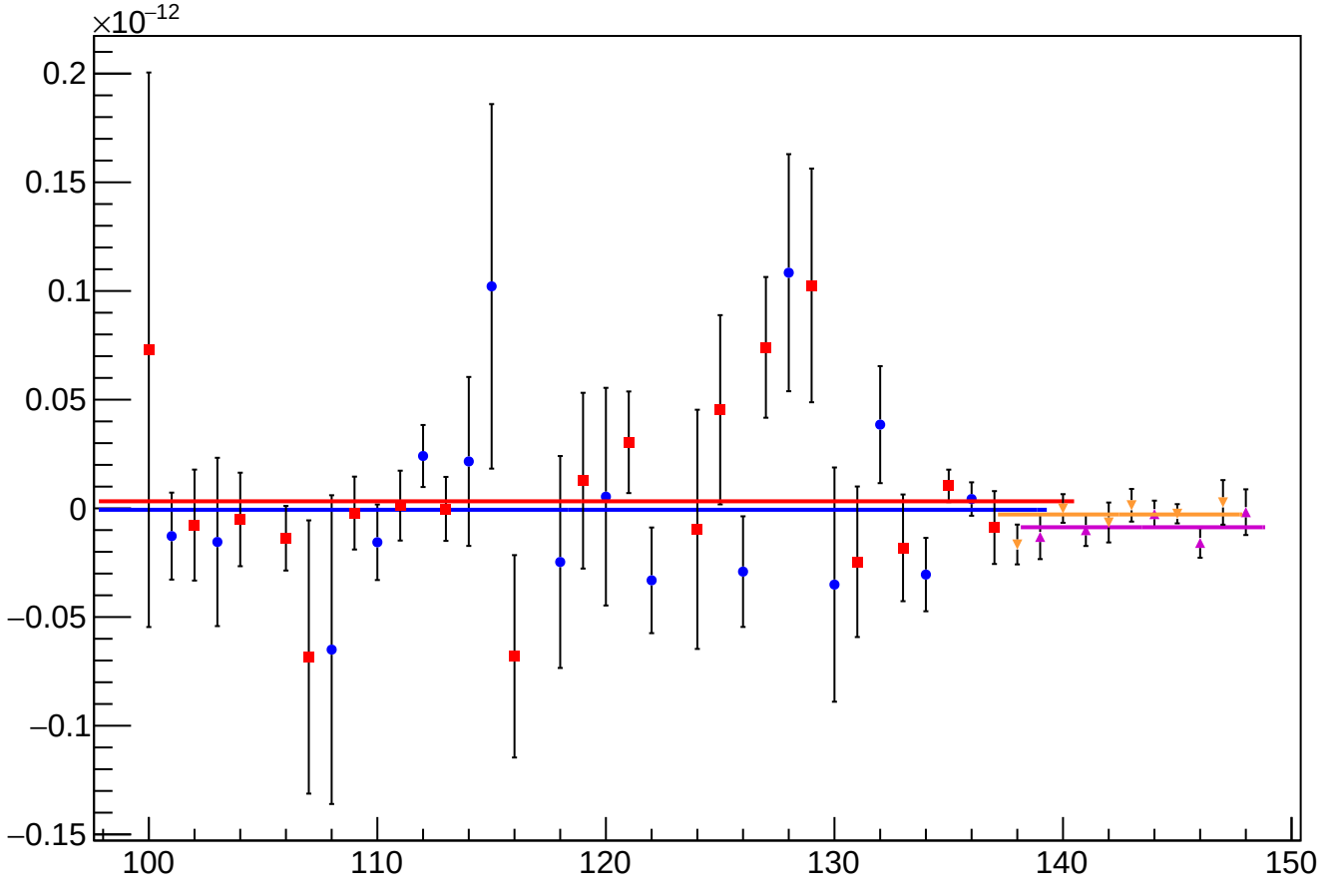
Left: 19.813+/-0.005 χ^2/NDF: 849467.8/10

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.206+/-0.004 χ^2/NDF:1487163.6/20

Out: 19.506+/-0.004 χ^2/NDF:1655934.0/24

All: 18.823+/-0.003 χ^2/NDF: 3190093.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

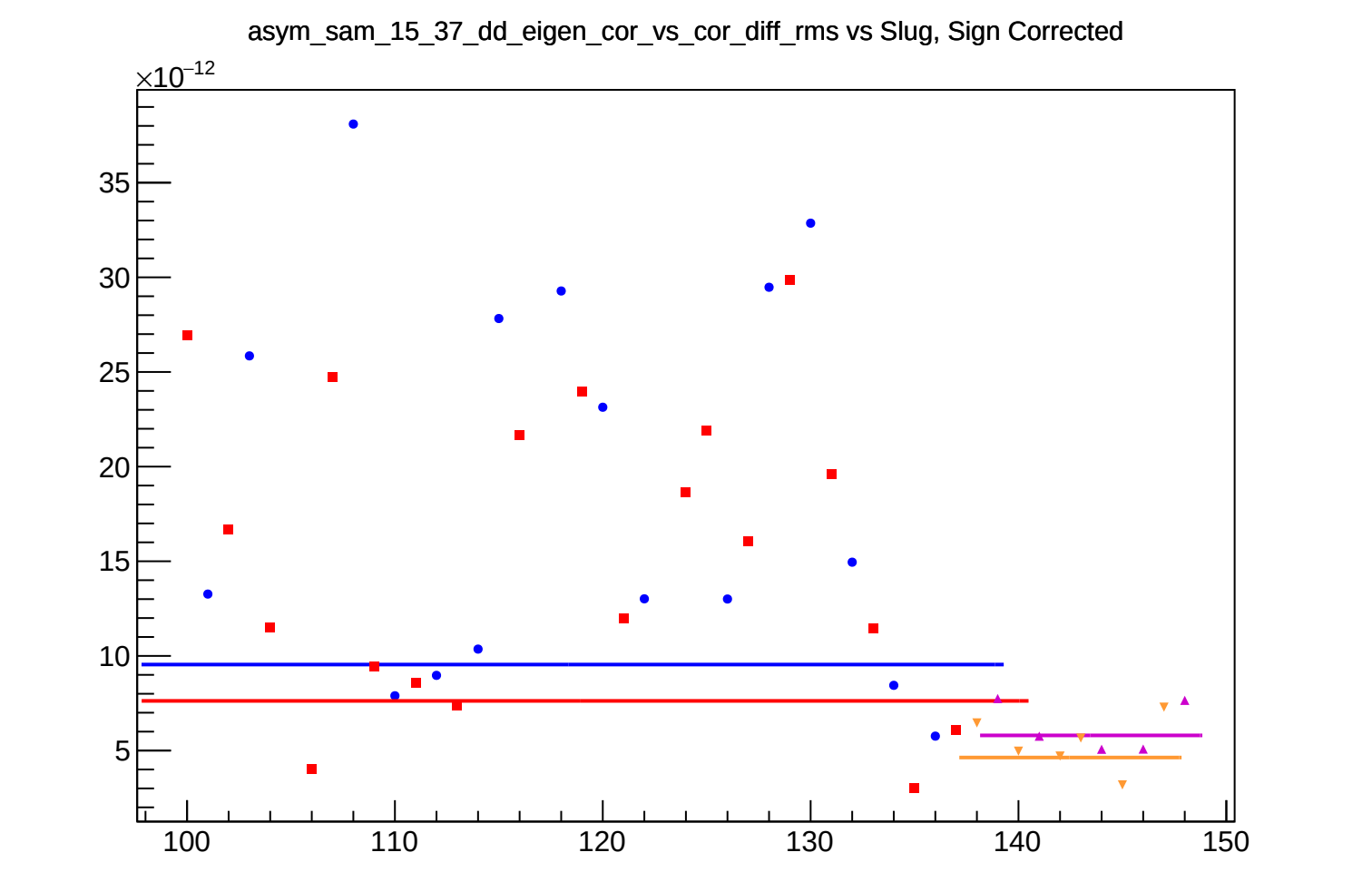
Left: -0.000+/-0.000 χ^2/NDF: 7.7/10

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:23.7/24

All: -0.000+/-0.000 χ^2/NDF: 50.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:471146.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:185176.5/4

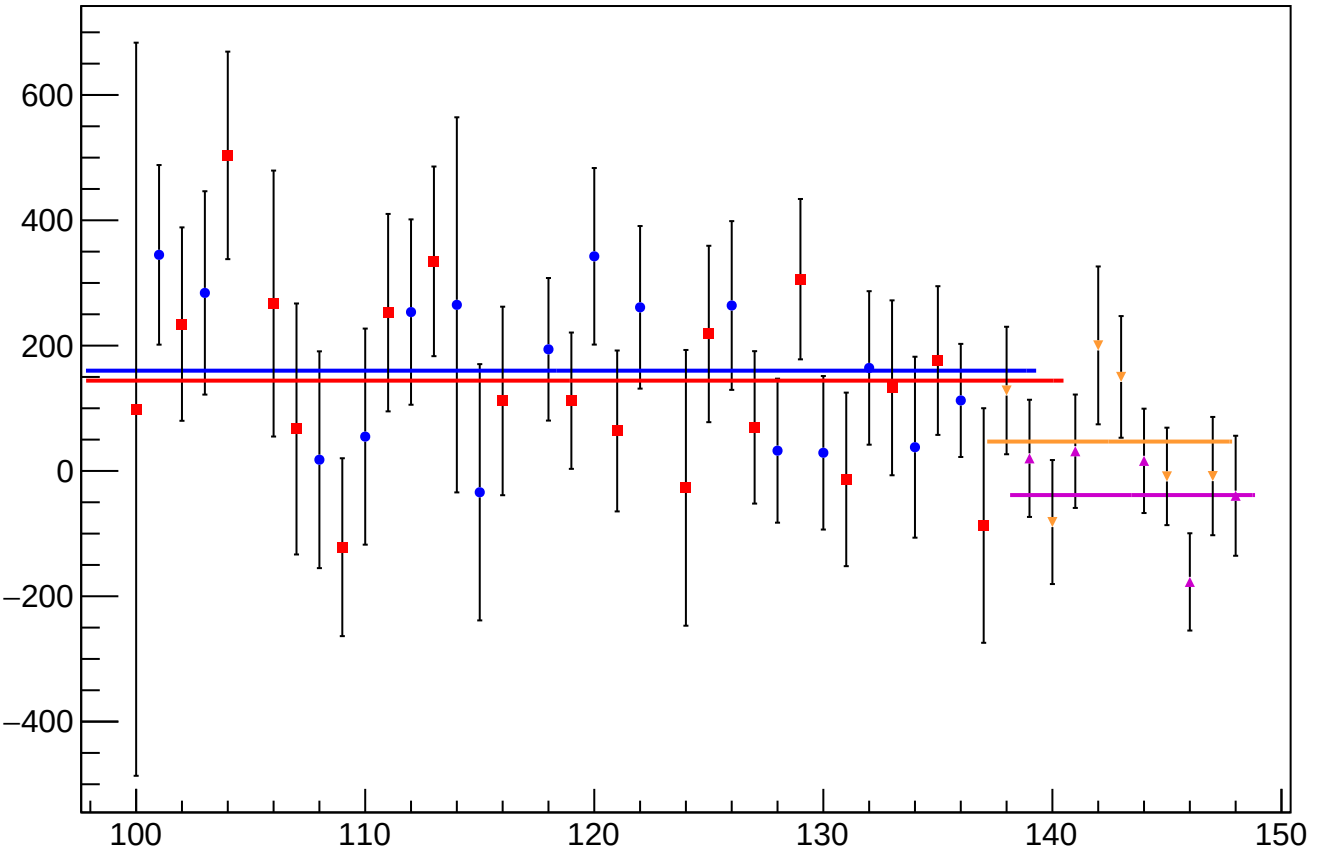
Left: 0.000+/-0.000 χ^2/NDF: 794563.0/10

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3566006.6/20

Out: 0.000+/-0.000 χ^2/NDF:4193957.7/24

All: 0.000+/-0.000 χ^2/NDF: 8084542.2/45



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.884+/-39.361 χ^2/NDF:5.8/5

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -38.497+/-39.052 χ^2/NDF:4.6/4

Left: 3.858+/-27.722 χ^2/NDF: 12.8/10

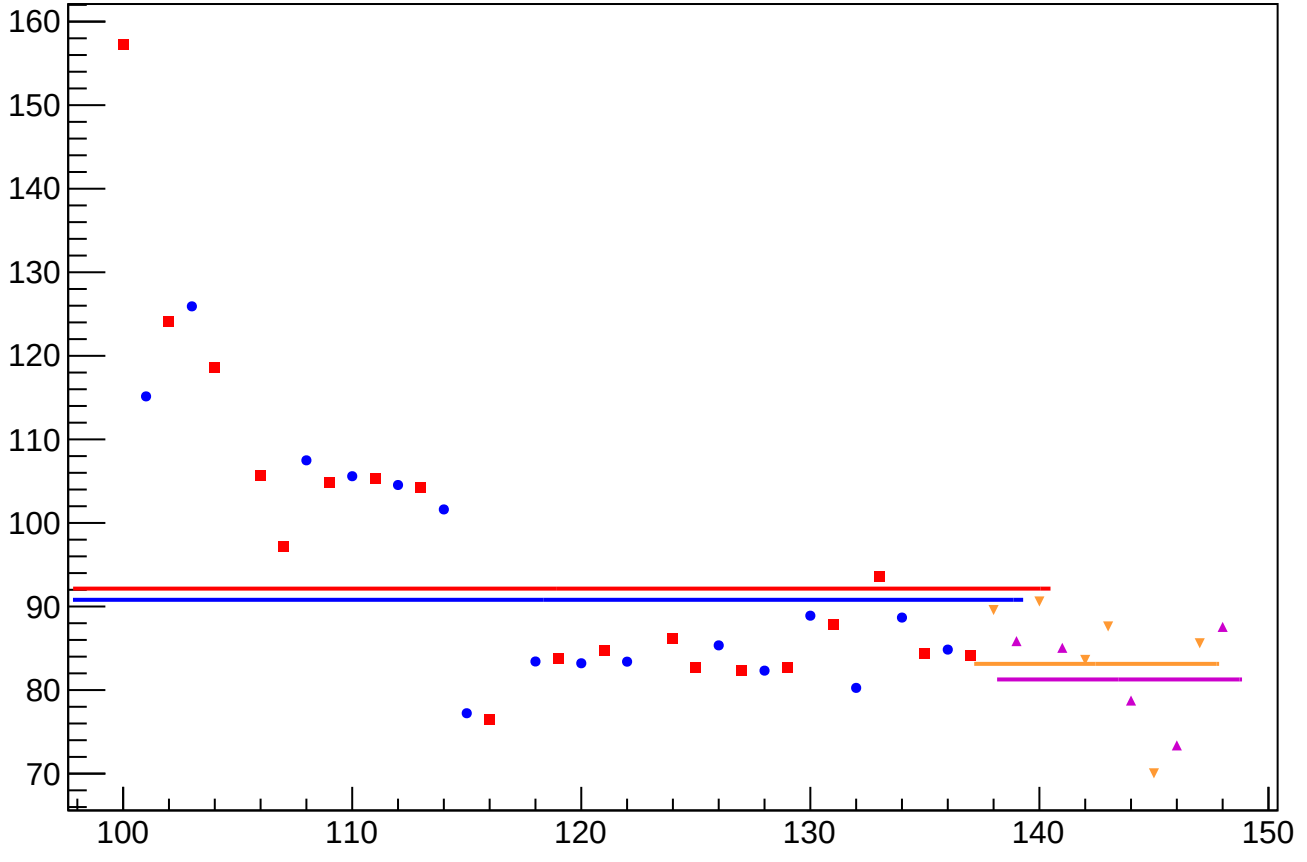
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 73.942+/-25.716 χ^2/NDF:30.3/20

Out: 102.270+/-25.822 χ^2/NDF:26.7/24

All: 88.047+/-18.221 χ^2/NDF: 57.6/45

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: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

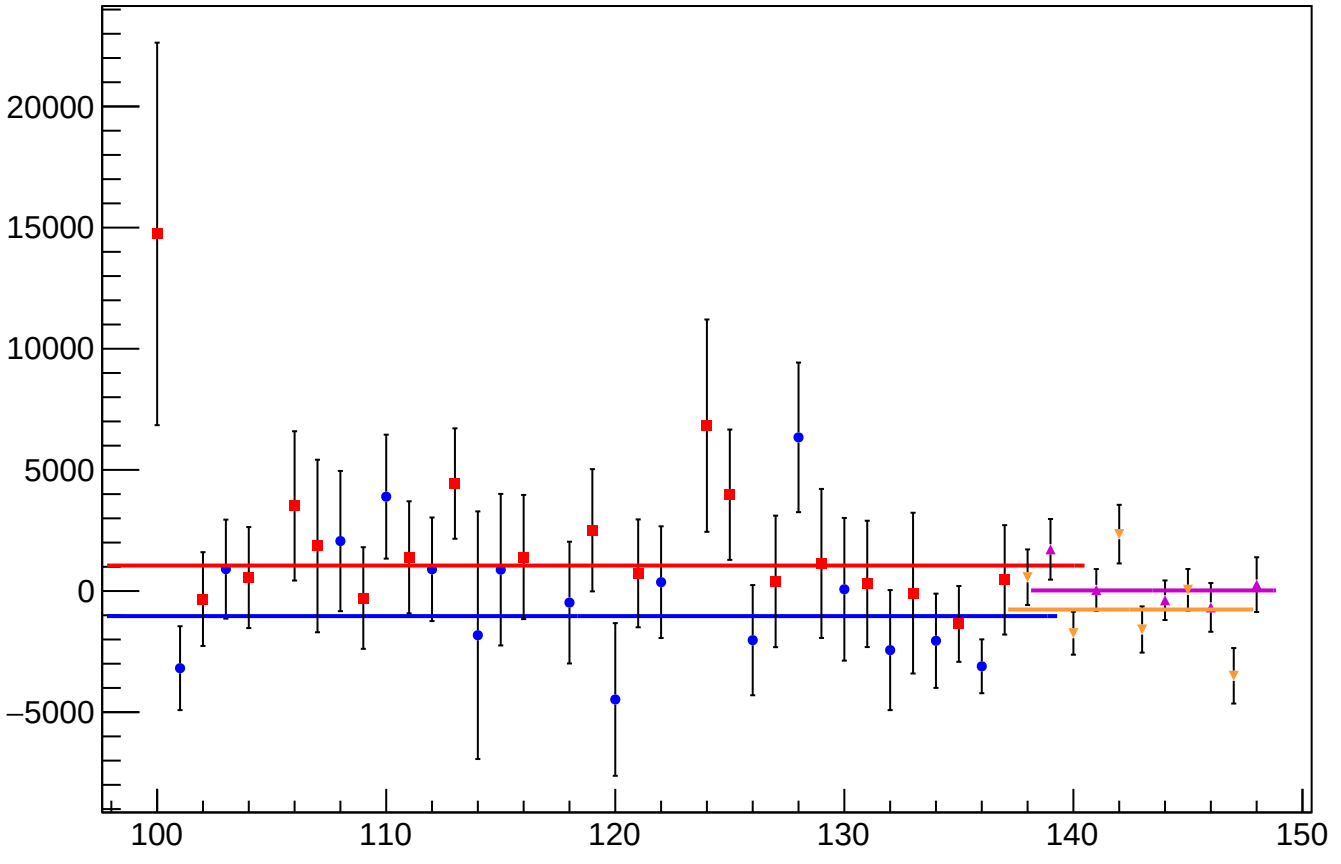
Left: 82.195+/-0.020 χ^2/NDF: 123527.4/10

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.669+/-0.018 χ^2/NDF:379700.1/20

Out: 88.265+/-0.018 χ^2/NDF:443480.6/24

All: 87.464+/-0.013 χ^2/NDF: 827020.0/45



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -763.177+/-410.548 χ^2/NDF:16.5/5

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 24.577+/-436.272 χ^2/NDF:2.6/4

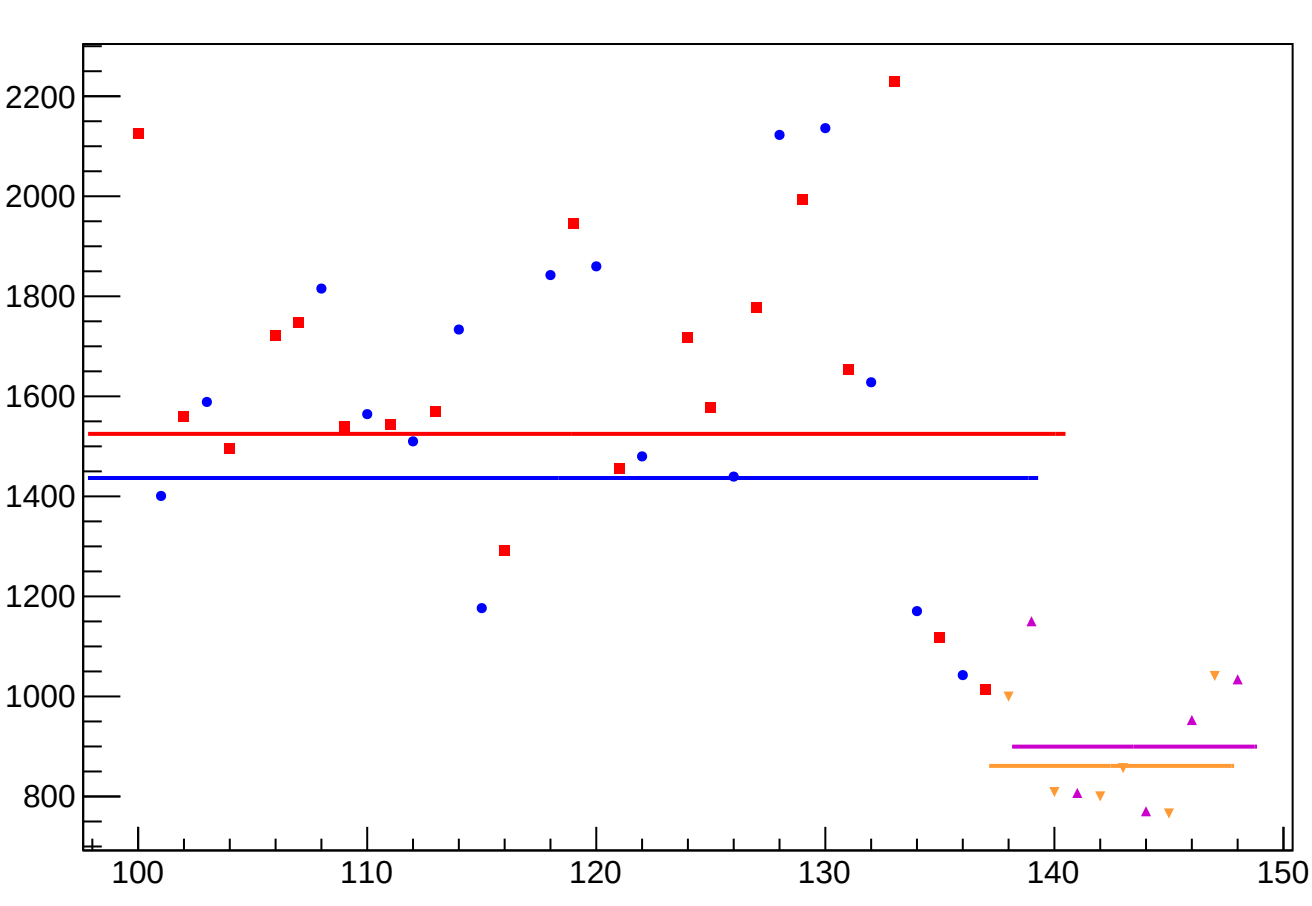
Left: -393.207+/-298.982 χ^2/NDF: 20.9/10

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -384.457+/-341.848 χ^2/NDF:25.1/20

Out: -141.796+/-332.920 χ^2/NDF:36.1/24

All: -259.916+/-238.504 χ^2/NDF: 61.5/45



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 861.152+/-0.290 χ^2/NDF:114988.7/5

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

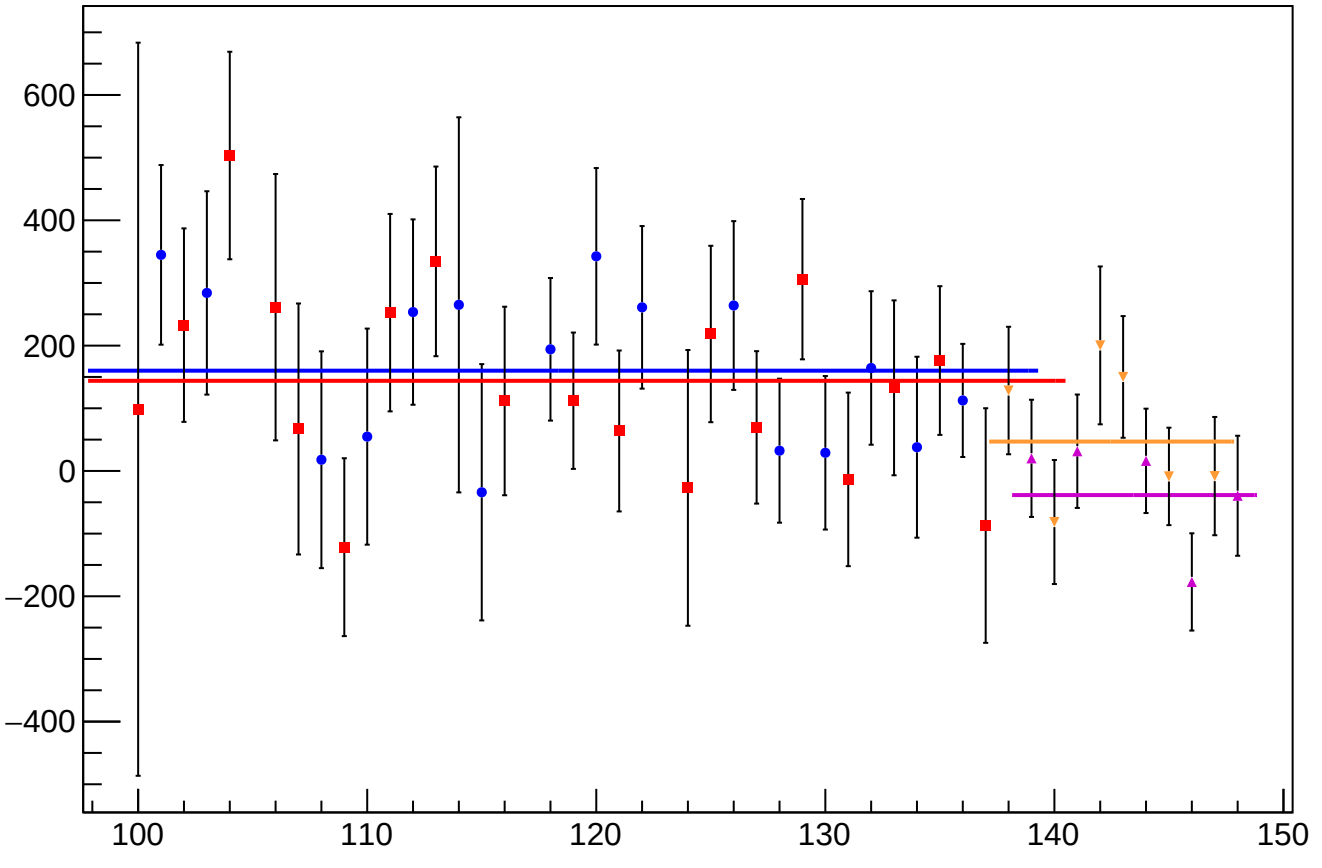
Left: 879.246+/-0.211 χ^2/NDF: 310594.9/10

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1106.994+/-0.242 χ^2/NDF:2032962.5/20

Out: 1088.449+/-0.235 χ^2/NDF:2409891.4/24

All: 1097.476+/-0.169 χ^2/NDF: 4445874.8/45



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.886+/-39.361 χ^2/NDF:5.8/5

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -38.490+/-39.052 χ^2/NDF:4.6/4

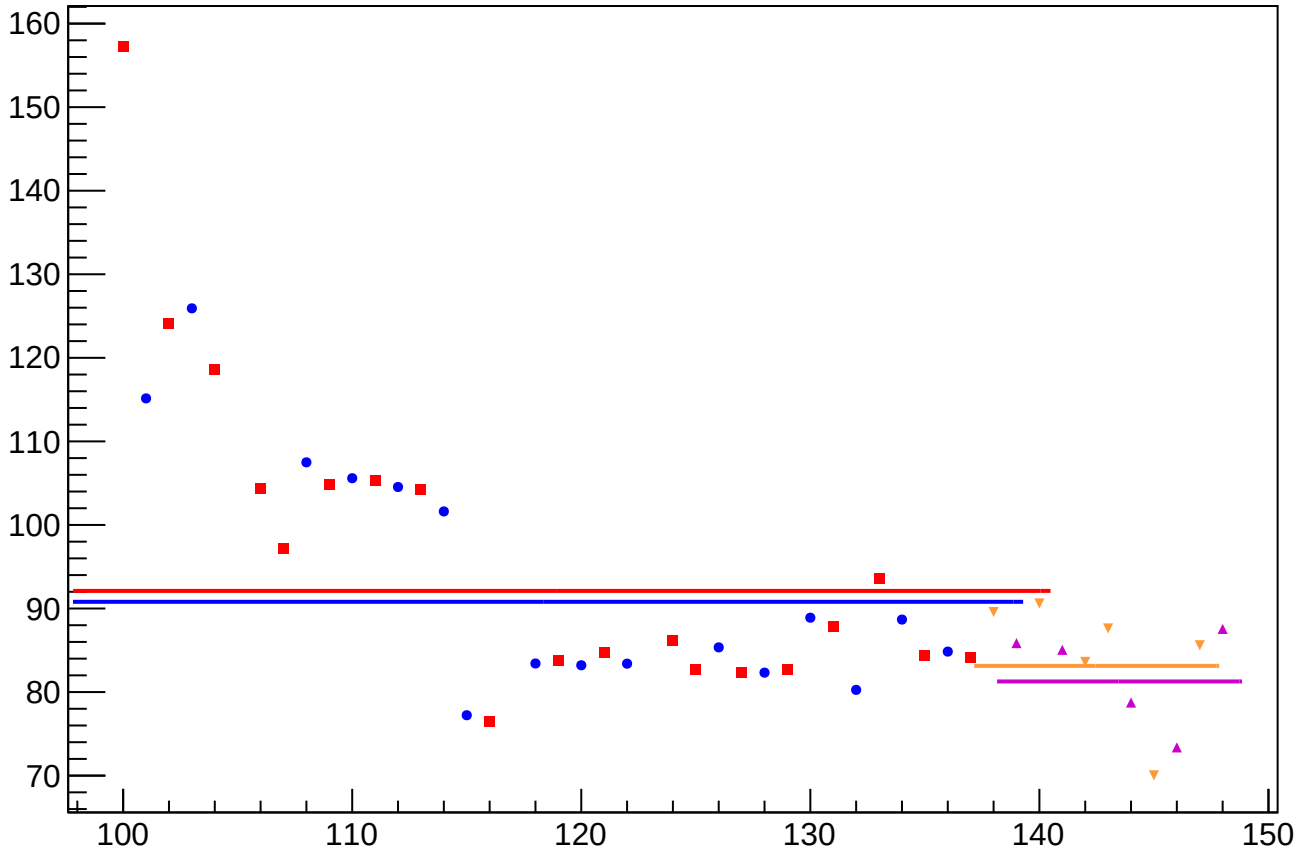
Left: 3.862+/-27.722 χ^2/NDF: 12.8/10

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 73.943+/-25.716 χ^2/NDF:30.3/20

Out: 102.122+/-25.823 χ^2/NDF:26.6/24

All: 87.974+/-18.221 χ^2/NDF: 57.5/45



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

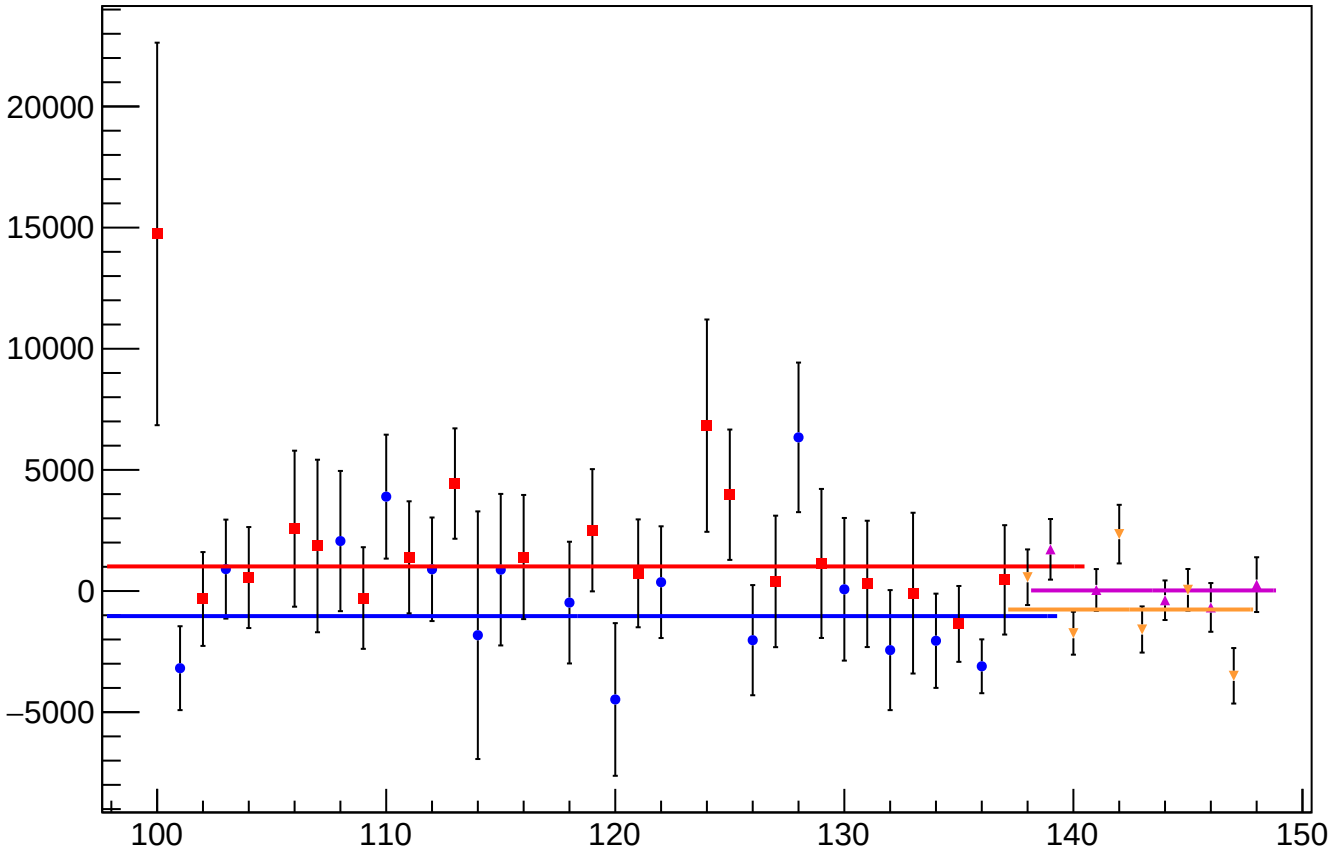
Left: 82.195+/-0.020 χ^2/NDF: 123527.4/10

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.669+/-0.018 χ^2/NDF:379702.0/20

Out: 88.246+/-0.018 χ^2/NDF:441775.8/24

All: 87.454+/-0.013 χ^2/NDF: 825225.4/45



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 24.593+/-436.272 χ^2/NDF:2.6/4

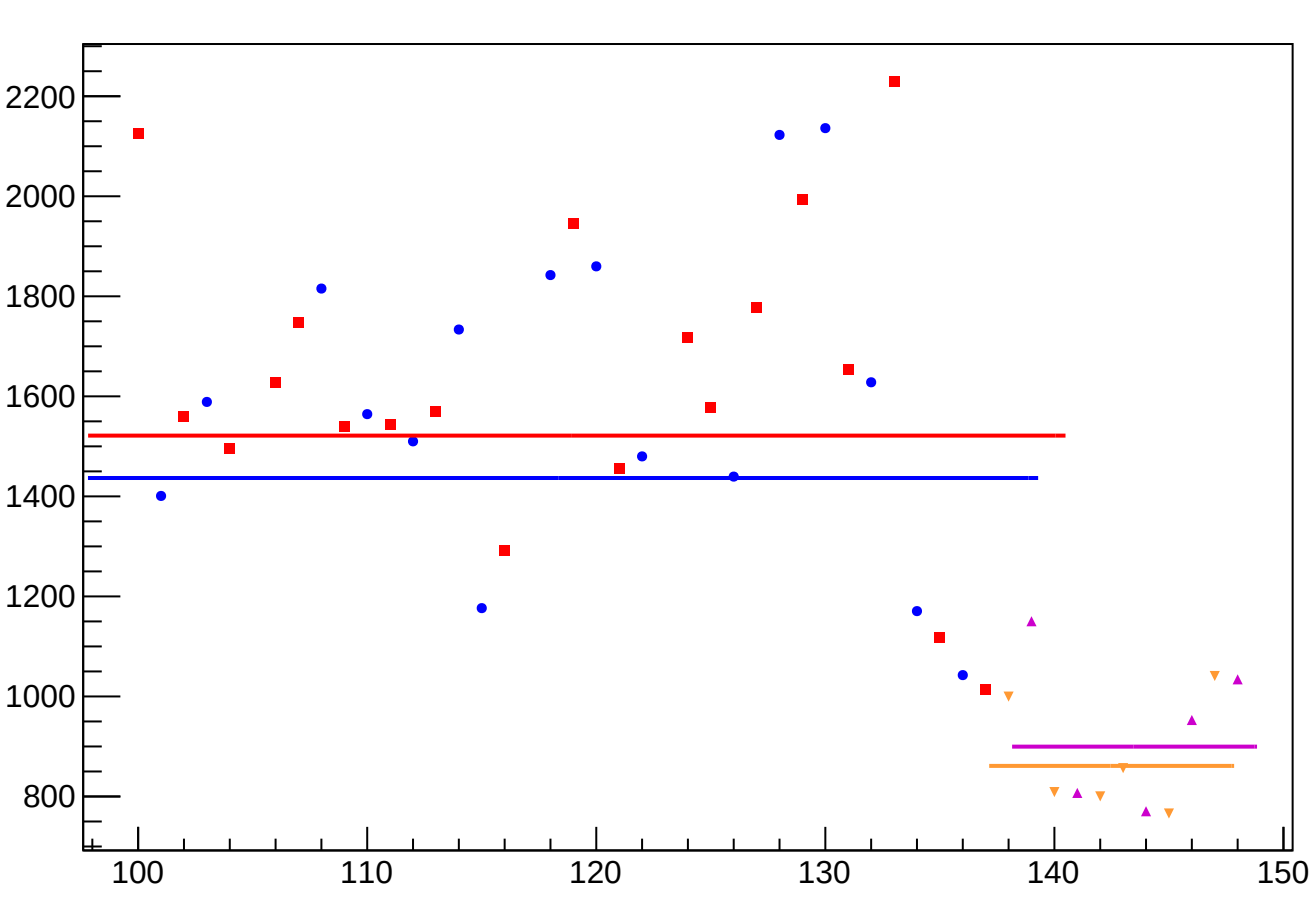
Left: -393.196+/-298.982 χ^2/NDF: 20.9/10

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -384.437+/-341.848 χ^2/NDF:25.1/20

Out: -155.342+/-333.087 χ^2/NDF:35.4/24

All: -266.916+/-238.566 χ^2/NDF: 60.8/45



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 861.151+/-0.290 χ^2/NDF:114989.4/5

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

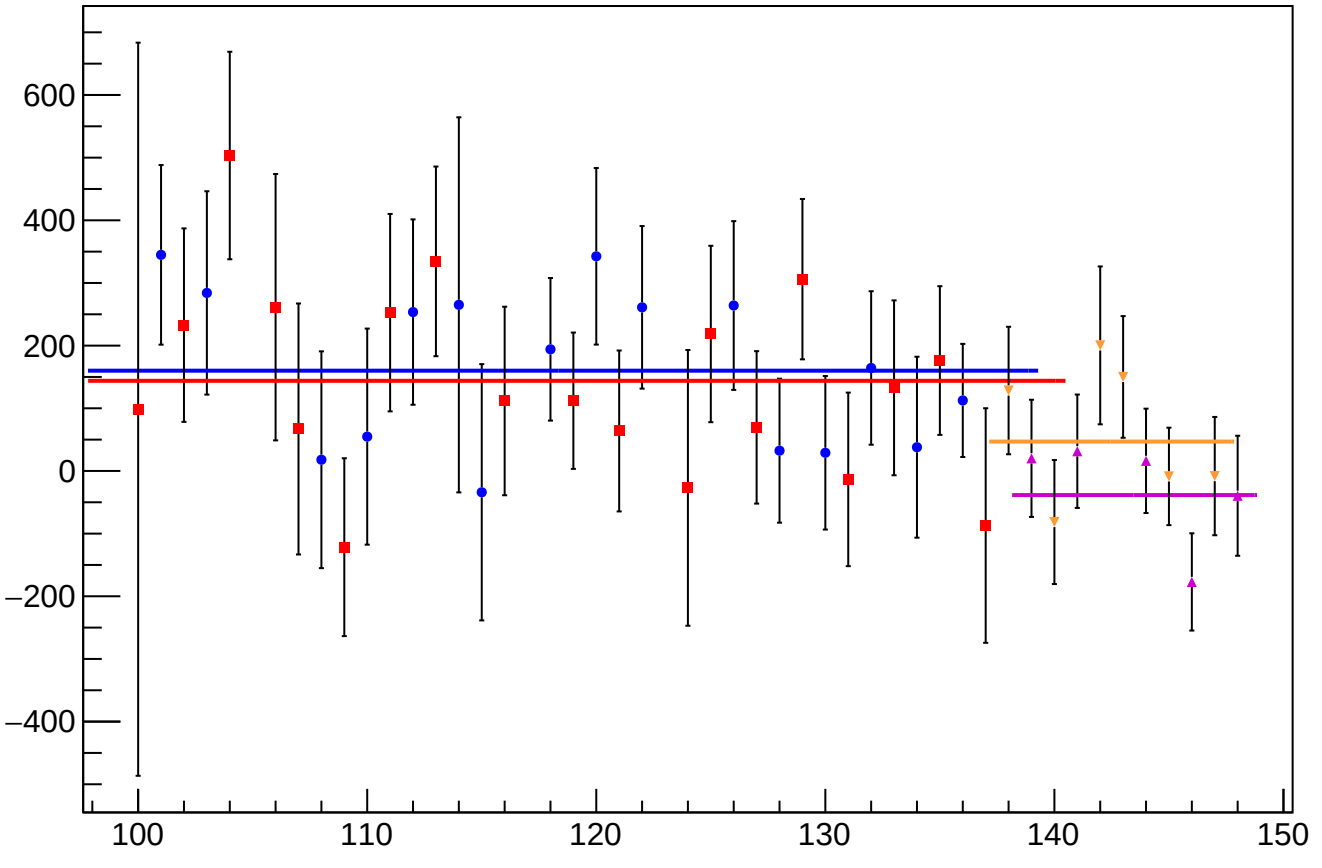
Left: 879.245+/-0.211 χ^2/NDF: 310595.8/10

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1106.995+/-0.242 χ^2/NDF:2032982.4/20

Out: 1086.827+/-0.236 χ^2/NDF:2381655.1/24

All: 1096.649+/-0.169 χ^2/NDF: 4418208.6/45



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.886+/-39.361 χ^2/NDF:5.8/5

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -38.490+/-39.052 χ^2/NDF:4.6/4

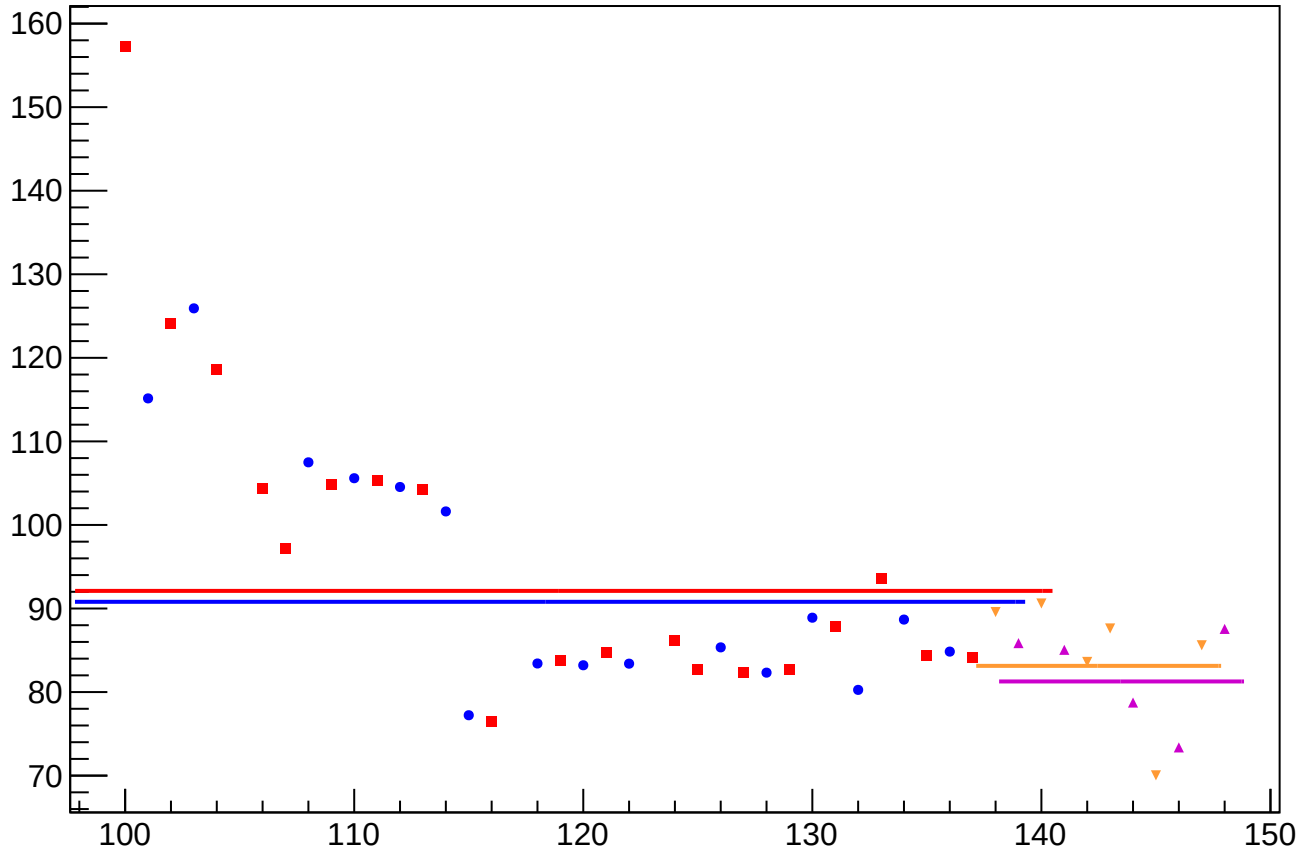
Left: 3.862+/-27.722 χ^2/NDF: 12.8/10

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 73.943+/-25.716 χ^2/NDF:30.3/20

Out: 102.122+/-25.823 χ^2/NDF:26.6/24

All: 87.974+/-18.221 χ^2/NDF: 57.5/45



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

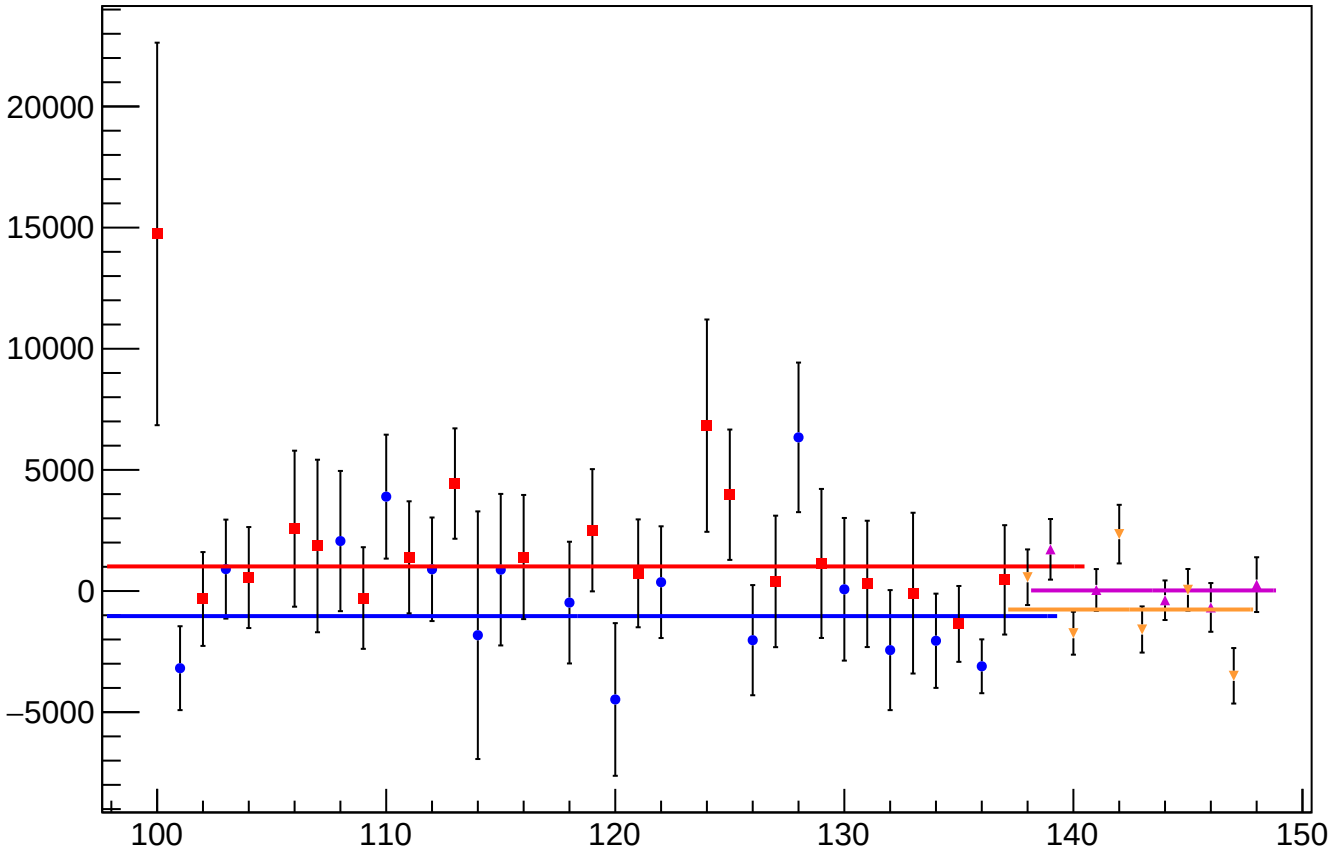
Left: 82.195+/-0.020 χ^2/NDF: 123527.4/10

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.669+/-0.018 χ^2/NDF:379702.0/20

Out: 88.246+/-0.018 χ^2/NDF:441775.8/24

All: 87.454+/-0.013 χ^2/NDF: 825225.4/45



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 24.593+/-436.272 χ^2/NDF:2.6/4

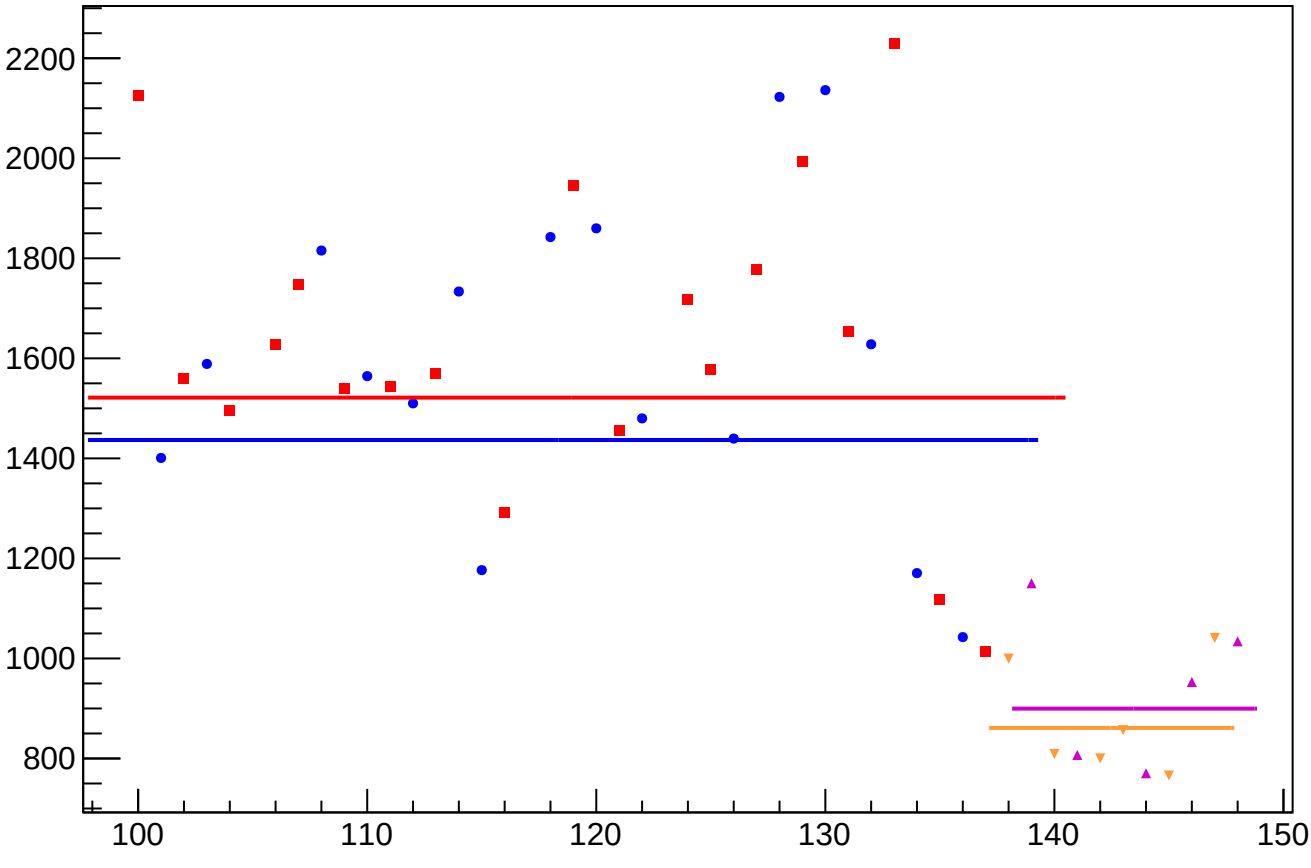
Left: -393.196+/-298.982 χ^2/NDF: 20.9/10

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -384.437+/-341.848 χ^2/NDF:25.1/20

Out: -155.342+/-333.087 χ^2/NDF:35.4/24

All: -266.916+/-238.566 χ^2/NDF: 60.8/45



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 861.151+/-0.290 χ^2/NDF:114989.4/5

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

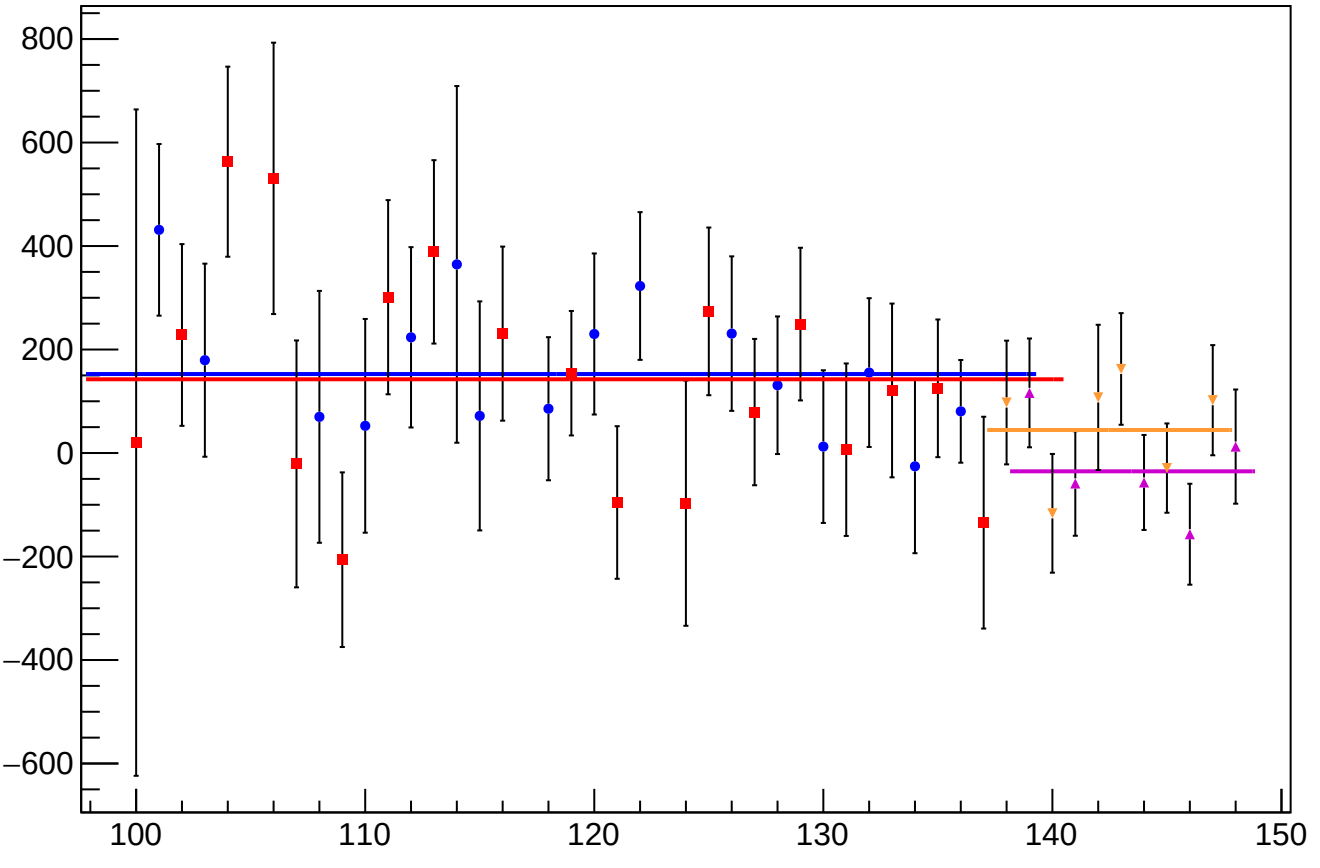
Left: 879.245+/-0.211 χ^2/NDF: 310595.8/10

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1106.995+/-0.242 χ^2/NDF:2032982.4/20

Out: 1086.827+/-0.236 χ^2/NDF:2381655.1/24

All: 1096.649+/-0.169 χ^2/NDF: 4418208.6/45



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.525+/-44.483 χ^2/NDF:4.6/5

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -35.363+/-44.968 χ^2/NDF:3.9/4

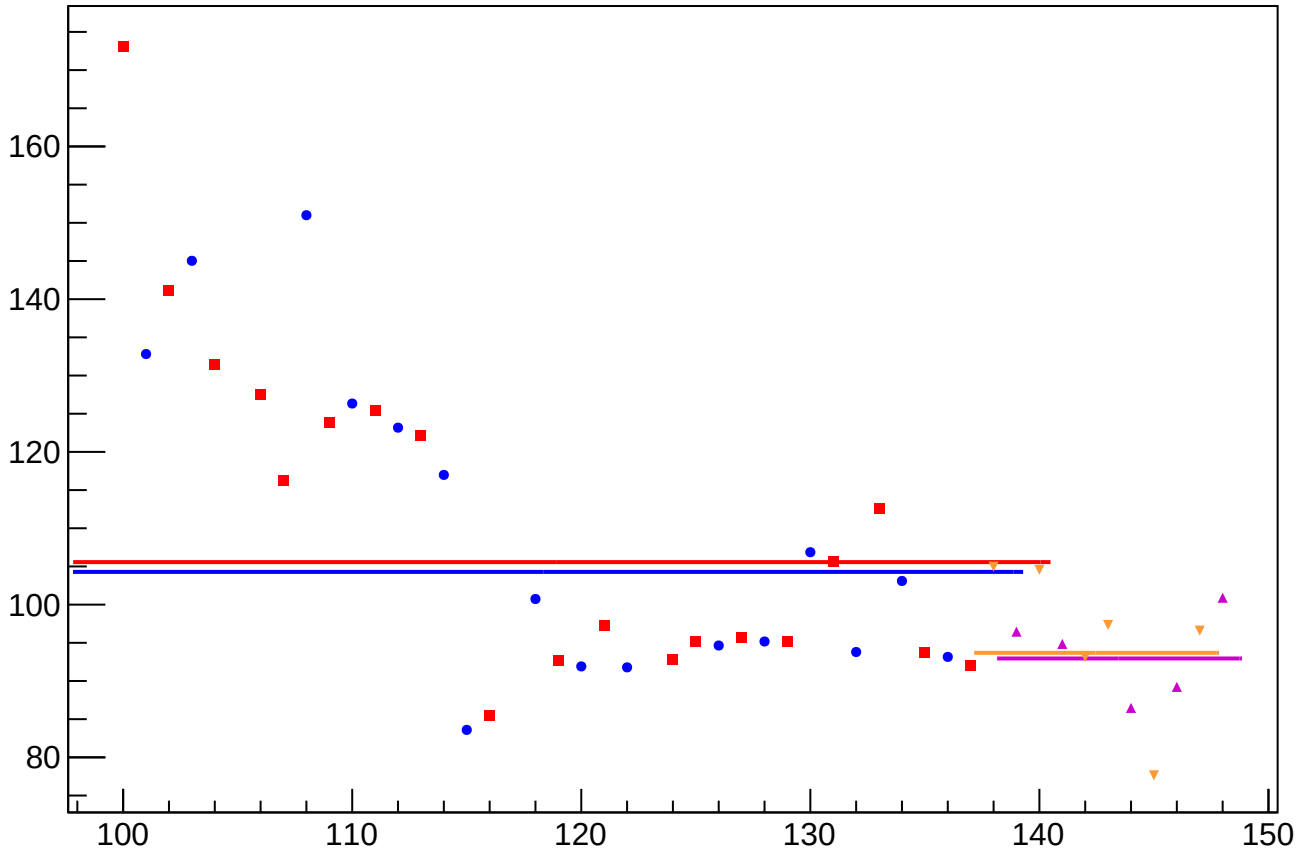
Left: 5.014+/-31.625 χ^2/NDF: 10.1/10

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 70.877+/-29.654 χ^2/NDF:22.4/20

Out: 99.499+/-29.469 χ^2/NDF:30.2/24

All: 85.277+/-20.903 χ^2/NDF: 53.1/45



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 93.690+/-0.031 χ^2/NDF:108739.1/5

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 92.948+/-0.032 χ^2/NDF:26198.4/4

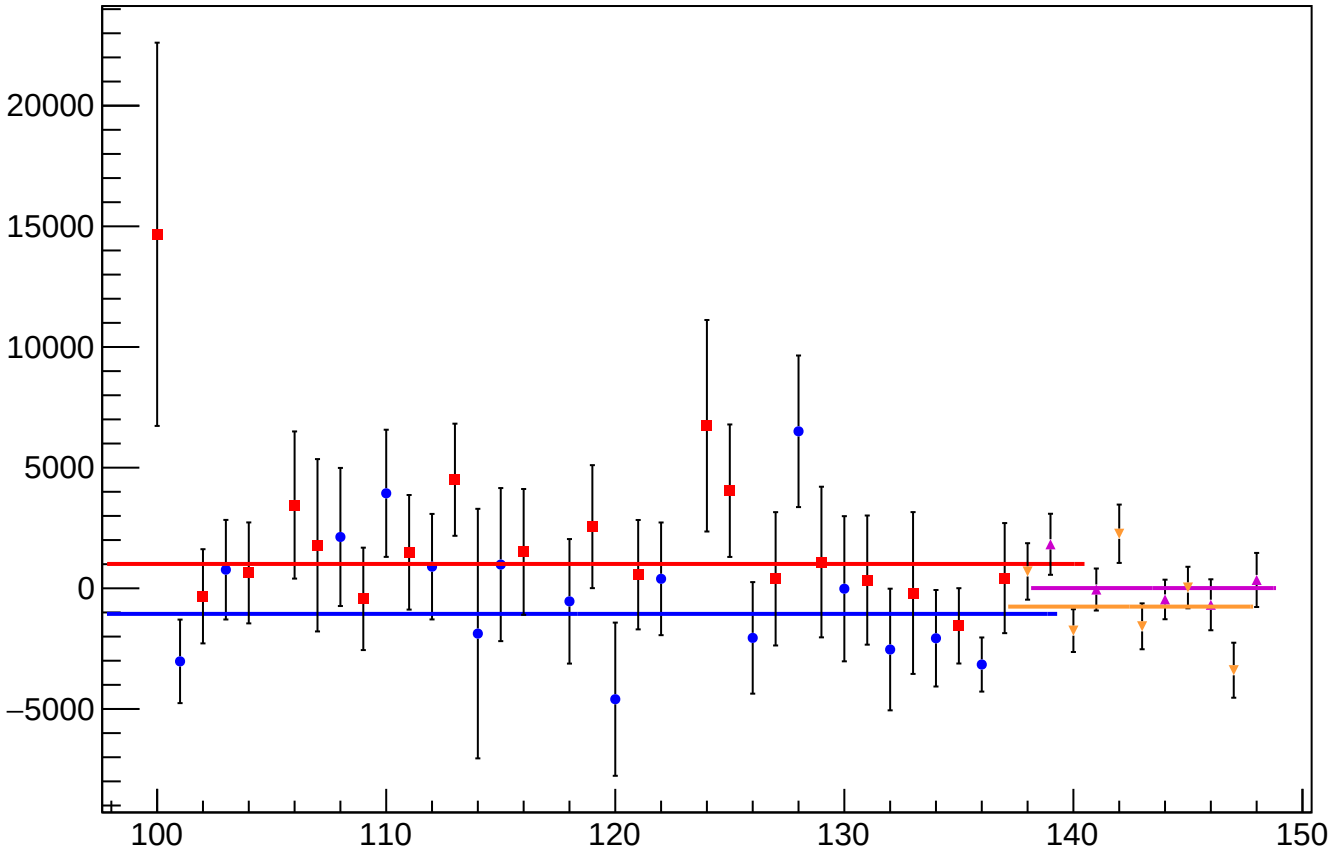
Left: 93.323+/-0.022 χ^2/NDF: 135212.6/10

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 99.356+/-0.021 χ^2/NDF:476366.9/20

Out: 100.355+/-0.021 χ^2/NDF:533368.5/24

All: 99.858+/-0.015 χ^2/NDF: 1010878.4/45



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -758.295+/-411.157 χ^2/NDF:16.0/5

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 9.954+/-441.704 χ^2/NDF:2.9/4

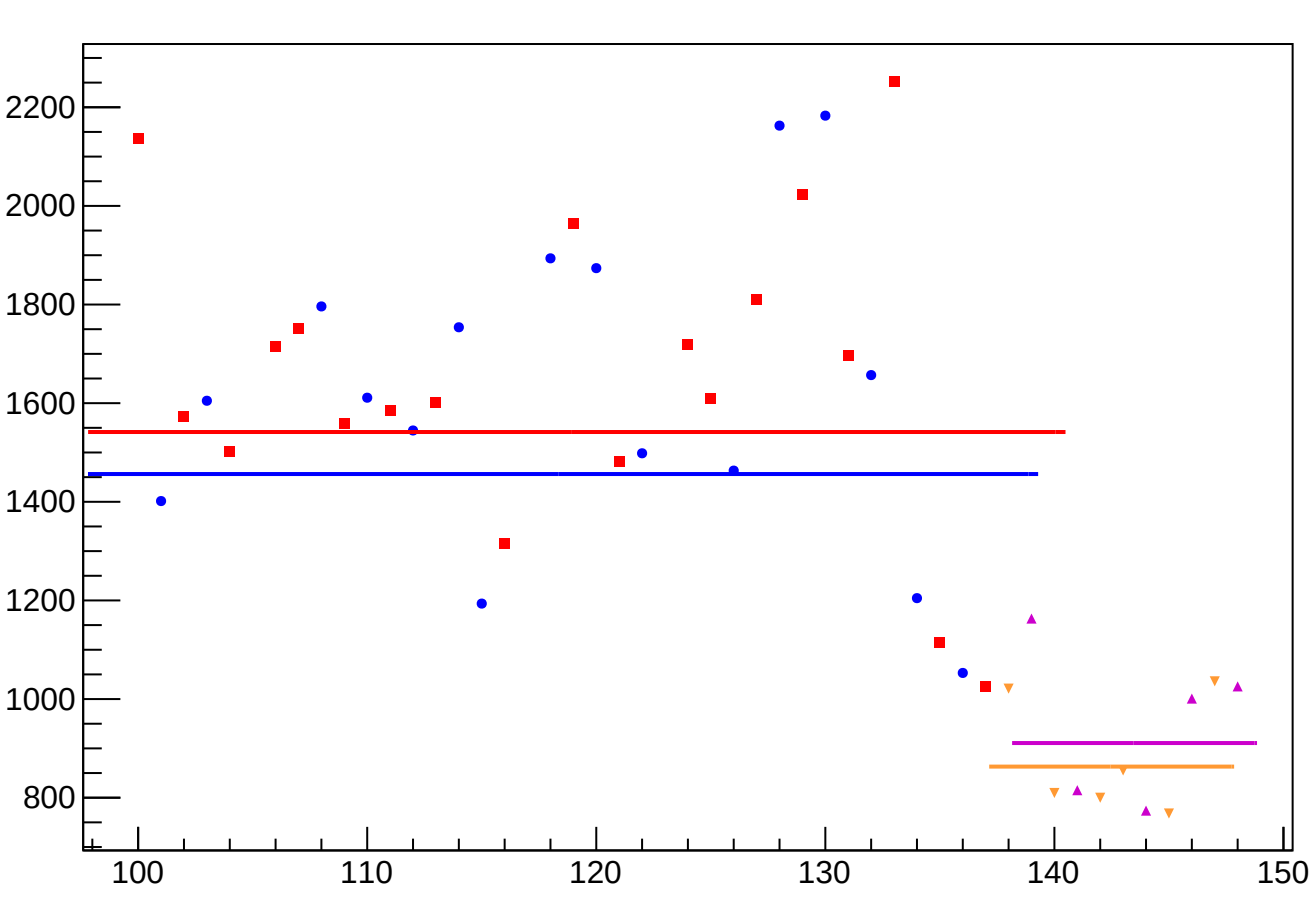
Left: -401.652+/-300.952 χ^2/NDF: 20.5/10

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -402.292+/-346.245 χ^2/NDF:25.2/20

Out: -160.215+/-334.470 χ^2/NDF:35.5/24

All: -277.067+/-240.561 χ^2/NDF: 61.0/45



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 863.068+/-0.291 χ^2/NDF:119840.3/5

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 910.835+/-0.312 χ^2/NDF:195250.5/4

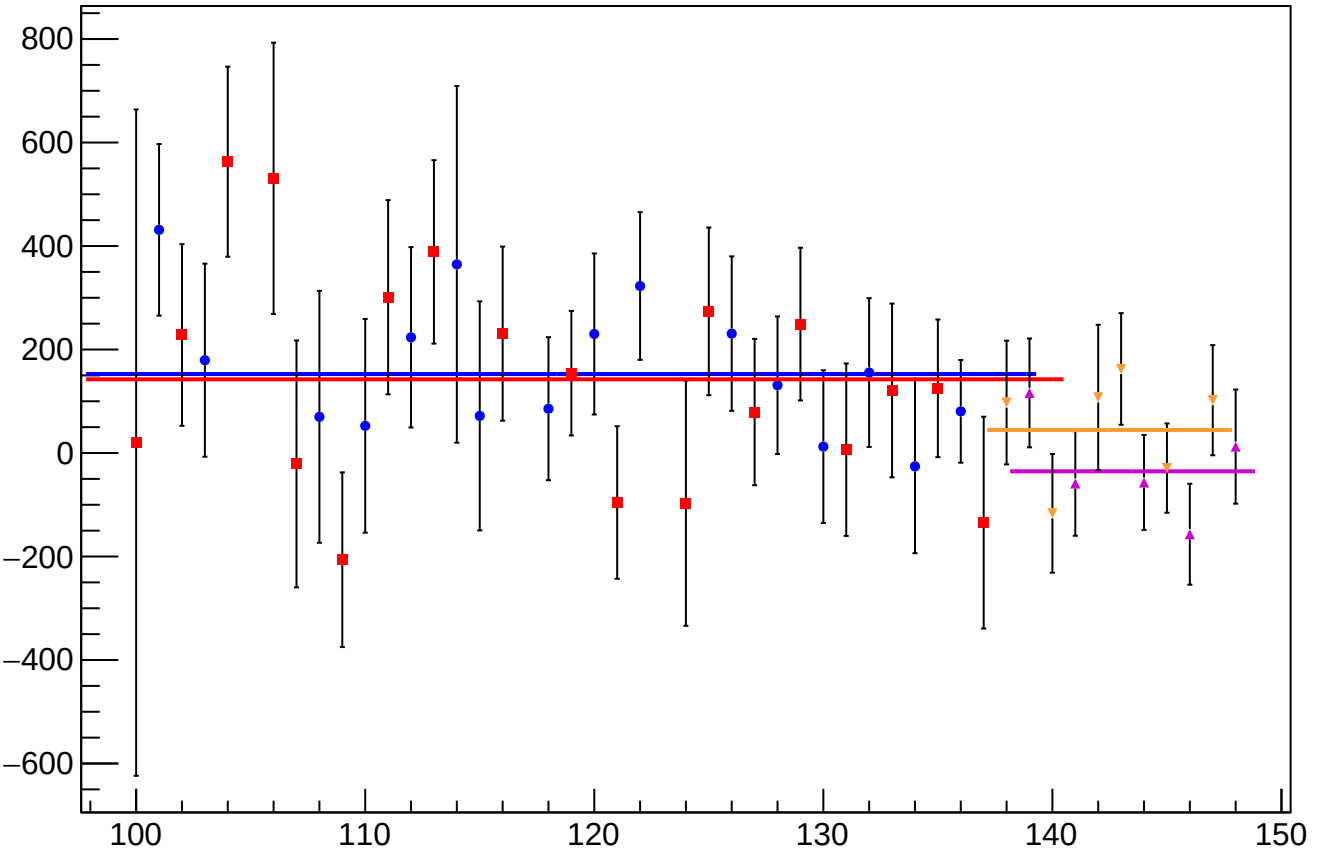
Left: 885.243+/-0.213 χ^2/NDF: 327622.2/10

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1121.127+/-0.245 χ^2/NDF:2055922.1/20

Out: 1092.550+/-0.237 χ^2/NDF:2481150.0/24

All: 1106.344+/-0.170 χ^2/NDF: 4544119.4/45



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.522+/-44.483 χ^2/NDF:4.6/5

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -35.363+/-44.968 χ^2/NDF:3.9/4

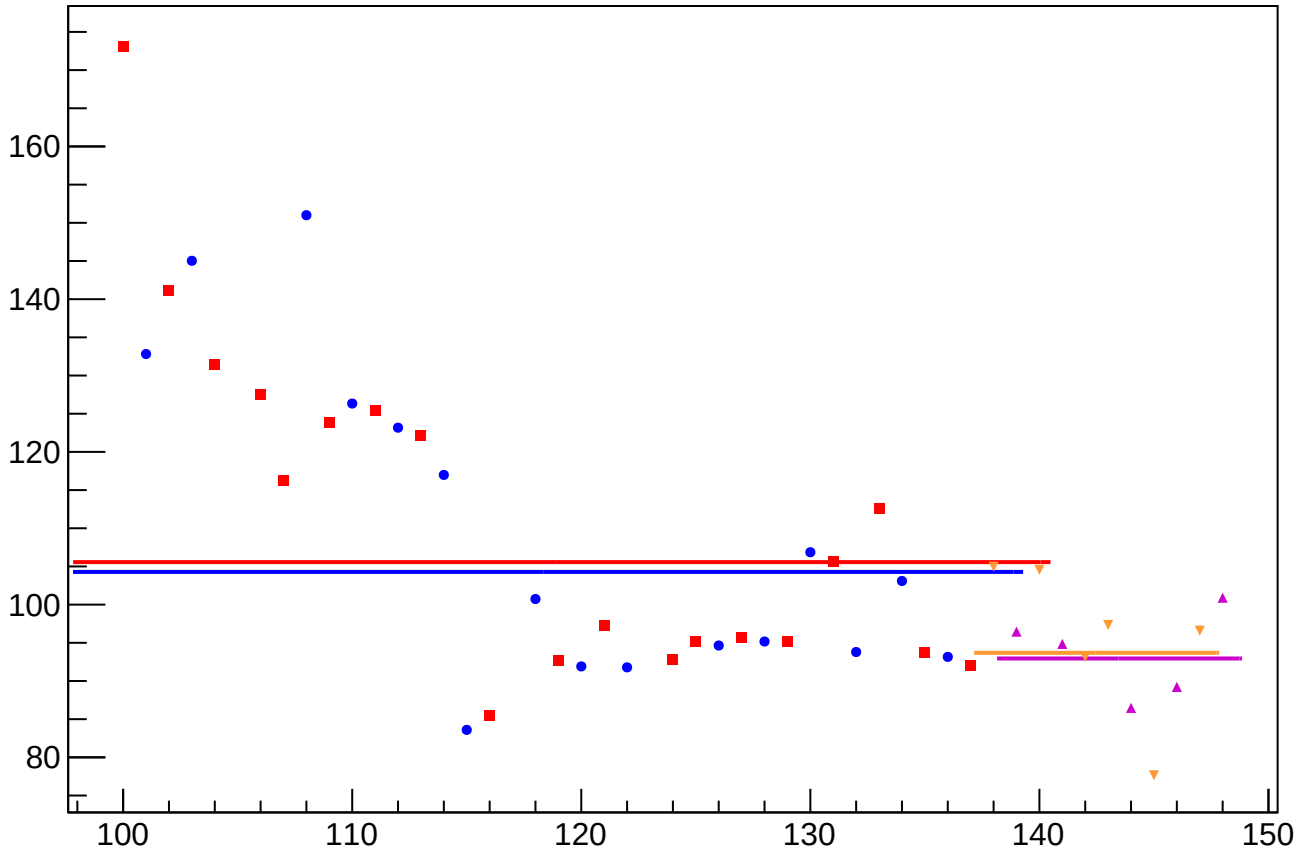
Left: 5.013+/-31.624 χ^2/NDF: 10.1/10

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 70.879+/-29.654 χ^2/NDF:22.4/20

Out: 99.497+/-29.469 χ^2/NDF:30.2/24

All: 85.277+/-20.903 χ^2/NDF: 53.1/45



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 93.690+/-0.031 χ^2/NDF:108738.5/5

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 92.948+/-0.032 χ^2/NDF:26198.3/4

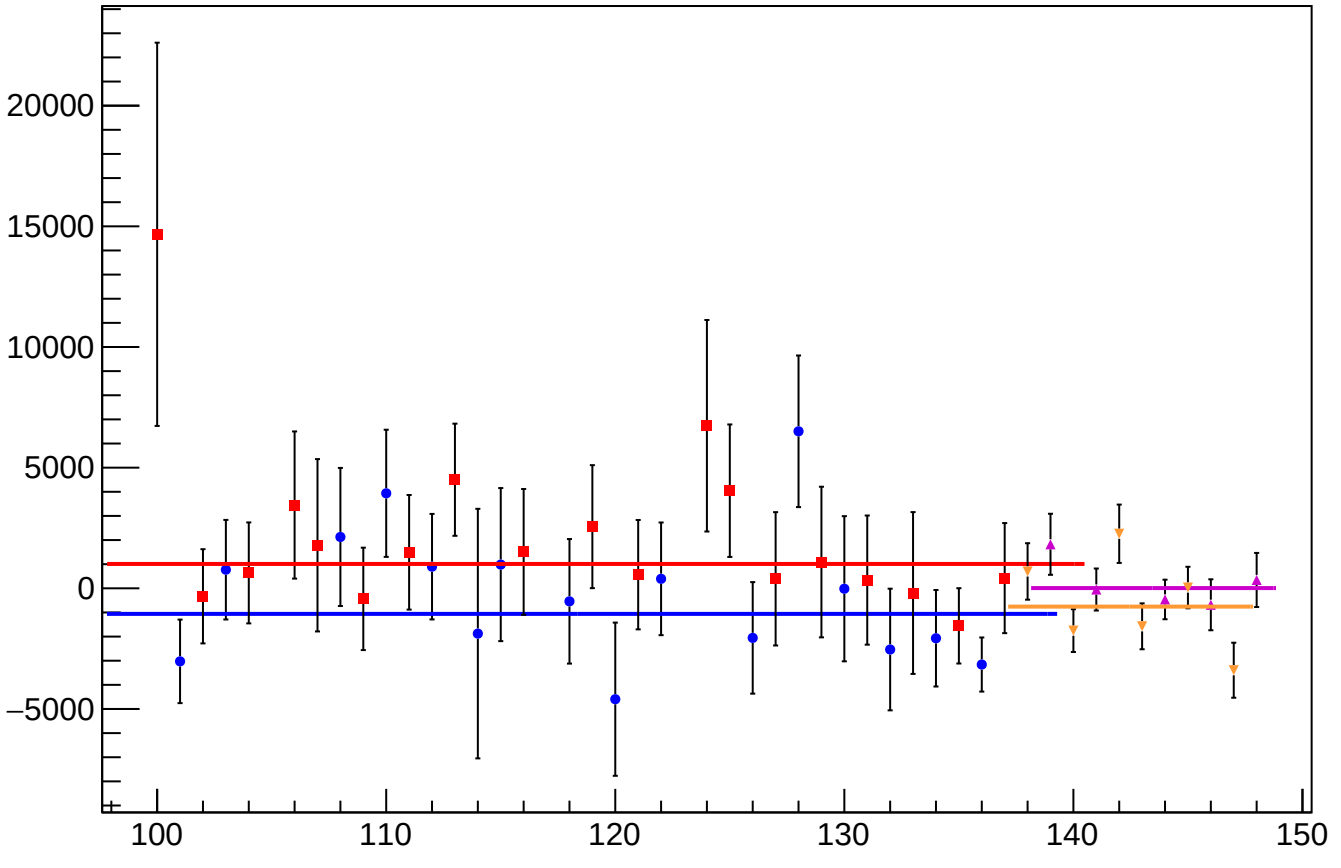
Left: 93.323+/-0.022 χ^2/NDF: 135212.1/10

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 99.355+/-0.021 χ^2/NDF:476358.6/20

Out: 100.355+/-0.021 χ^2/NDF:533358.3/24

All: 99.858+/-0.015 χ^2/NDF: 1010860.3/45



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -758.296+/-411.156 χ^2/NDF:16.0/5

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 9.955+/-441.704 χ^2/NDF:2.9/4

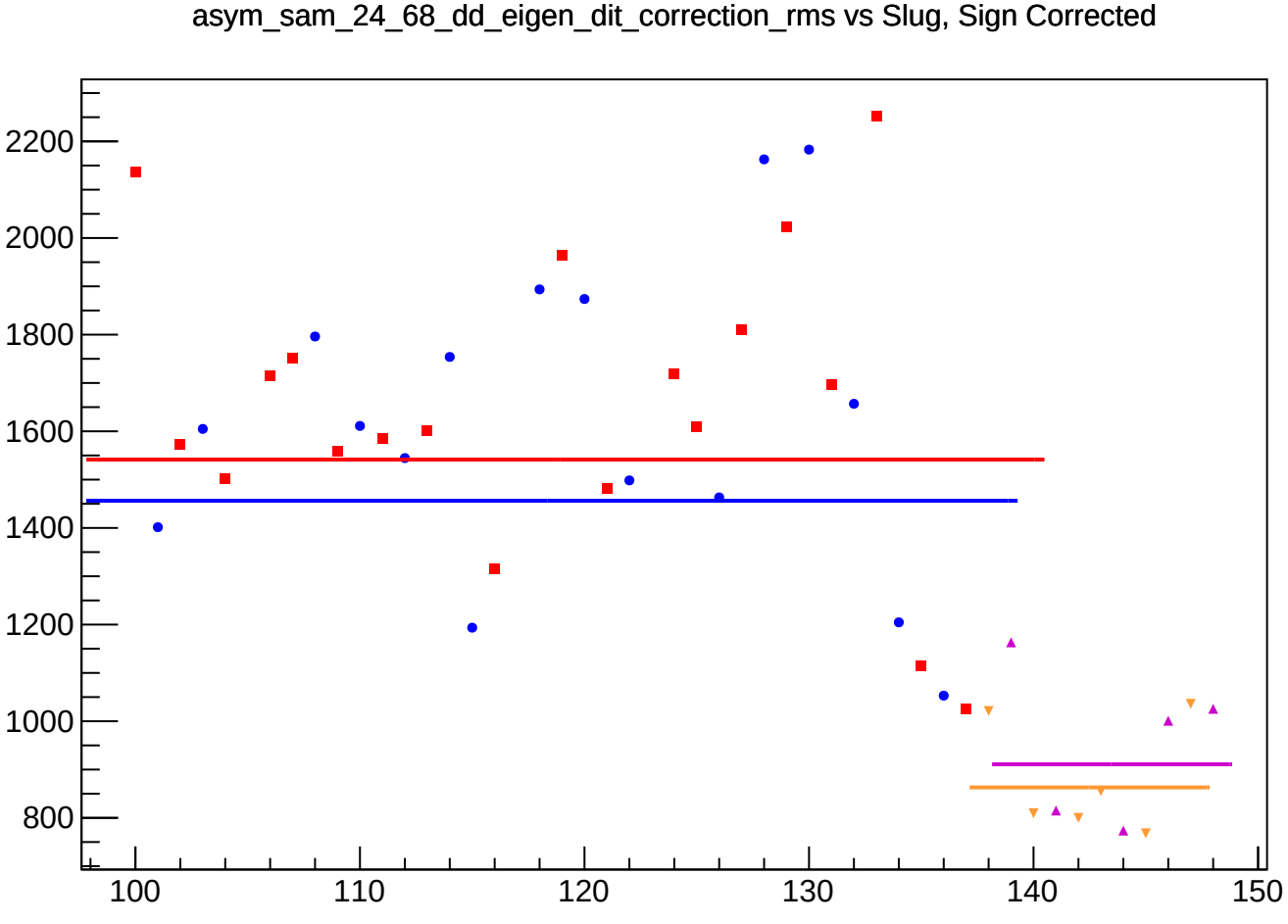
Left: -401.652+/-300.952 χ^2/NDF: 20.5/10

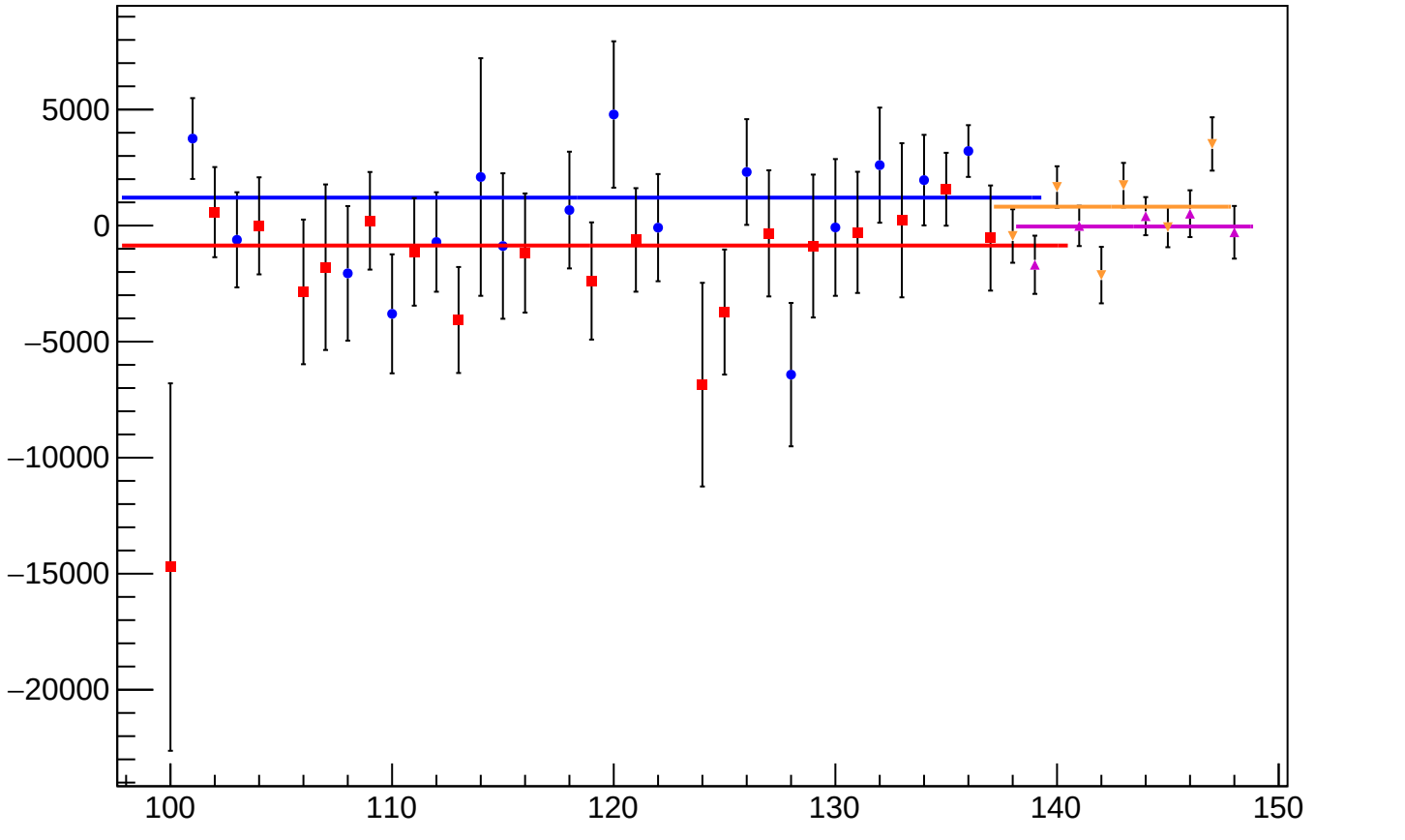
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -402.290+/-346.245 χ^2/NDF:25.2/20

Out: -160.216+/-334.469 χ^2/NDF:35.5/24

All: -277.067+/-240.561 χ^2/NDF: 61.0/45


asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1456.301+/-0.394 χ²/NDF: 684803.6/15
Left Out: 863.067+/-0.291 χ²/NDF:119840.6/5
Right Out: 1541.520+/-0.407 χ²/NDF: 519336.6/18
Left In: 910.834+/-0.312 χ²/NDF:195250.1/4
Left: 885.242+/-0.213 χ²/NDF: 327622.3/10
Right: 1497.597+/-0.283 χ²/NDF: 1226774.5/34
In: 1121.125+/-0.245 χ²/NDF:2055915.1/20
Out: 1092.548+/-0.237 χ²/NDF:2481147.4/24
All: 1106.343+/-0.170 χ²/NDF: 4544109.9/45



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 813.702+/-412.606 χ^2/NDF:15.5/5

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -40.592+/-438.227 χ^2/NDF:2.4/4

Left: 412.257+/-300.406 χ^2/NDF: 19.9/10

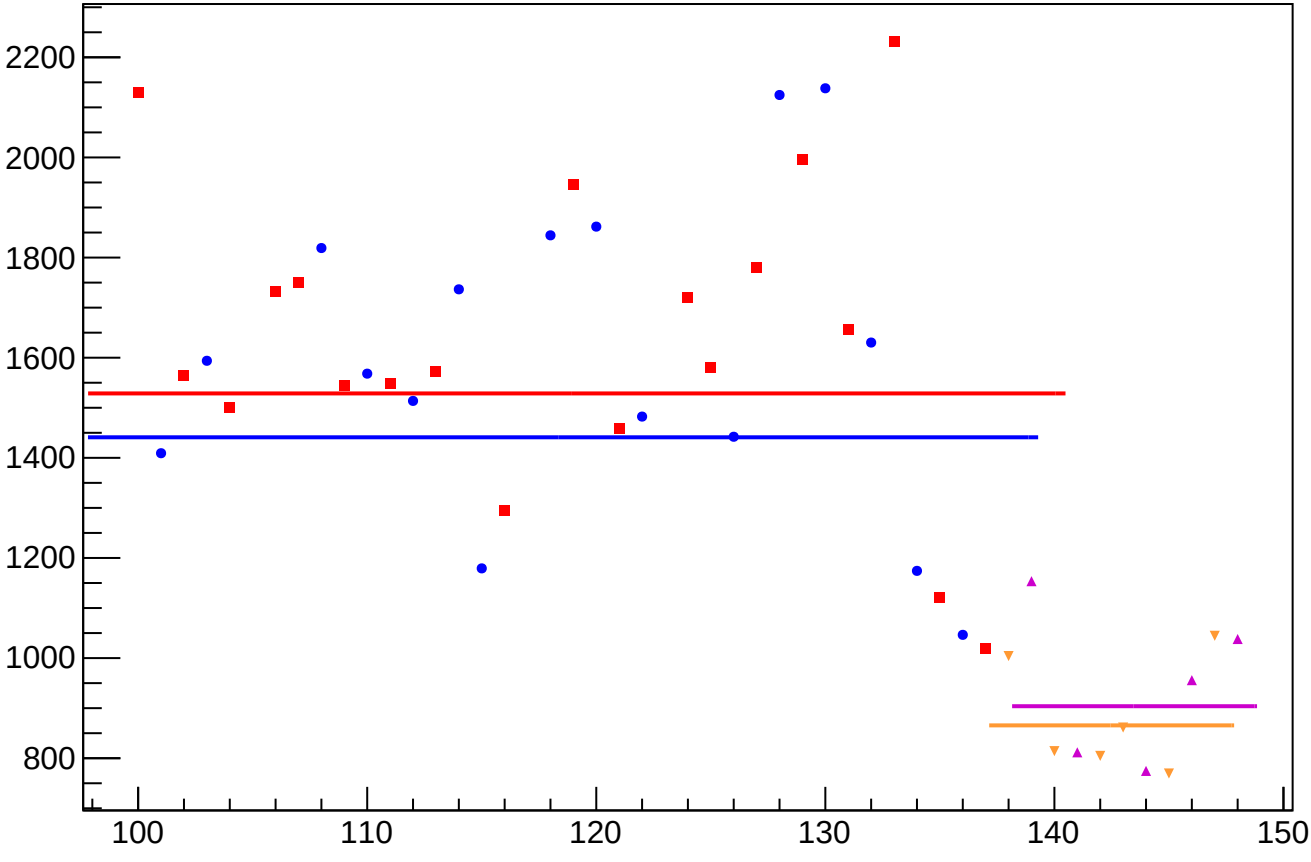
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 441.127+/-343.153 χ^2/NDF:26.6/20

Out: 239.000+/-334.308 χ^2/NDF:33.6/24

All: 337.425+/-239.458 χ^2/NDF: 60.5/45

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 865.612+/-0.292 χ^2/NDF:113823.3/5

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 903.895+/-0.310 χ^2/NDF:184659.3/4

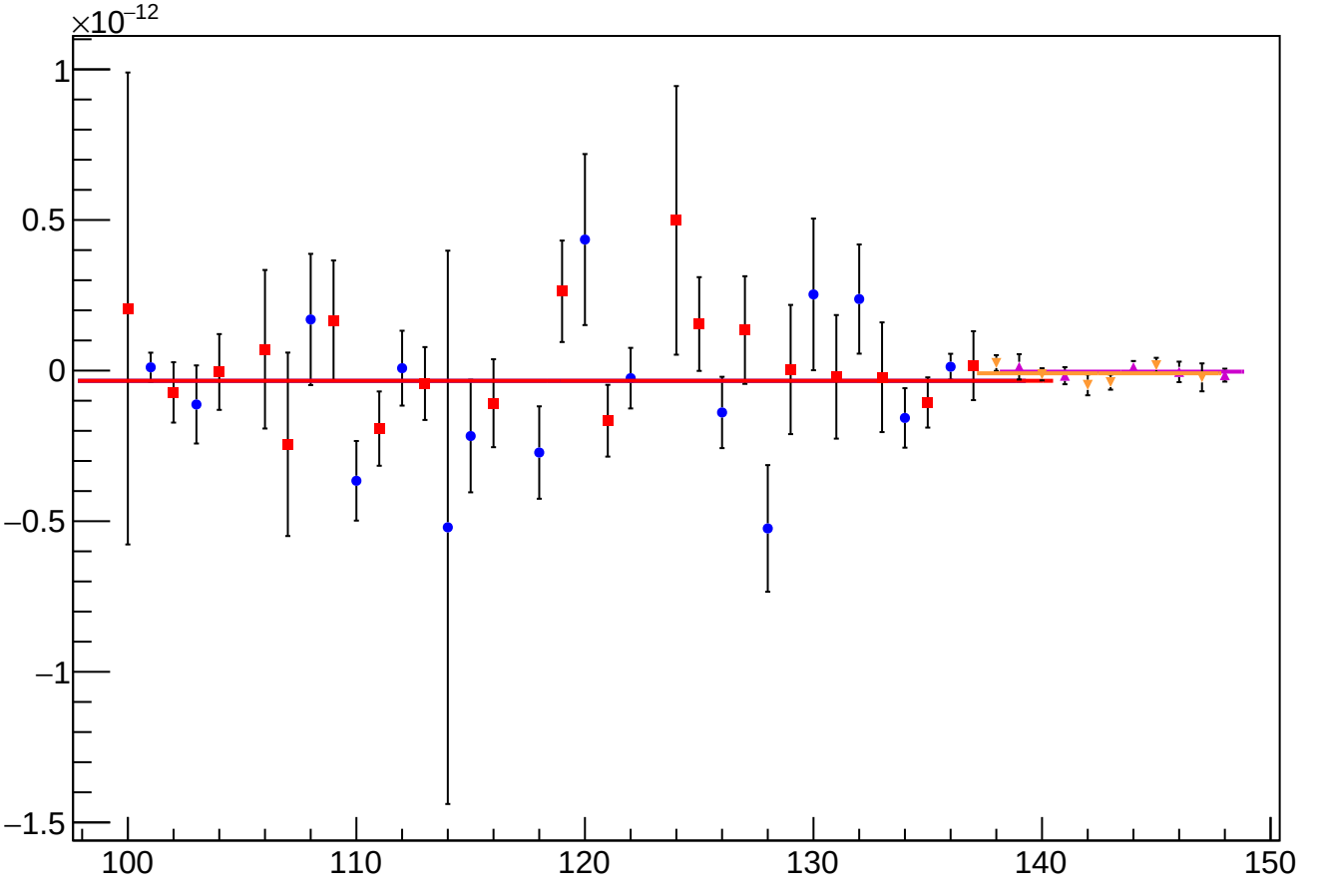
Left: 883.602+/-0.212 χ^2/NDF: 306573.3/10

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1111.675+/-0.243 χ^2/NDF:2017626.8/20

Out: 1093.378+/-0.236 χ^2/NDF:2389675.3/24

All: 1102.288+/-0.169 χ^2/NDF: 4410219.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

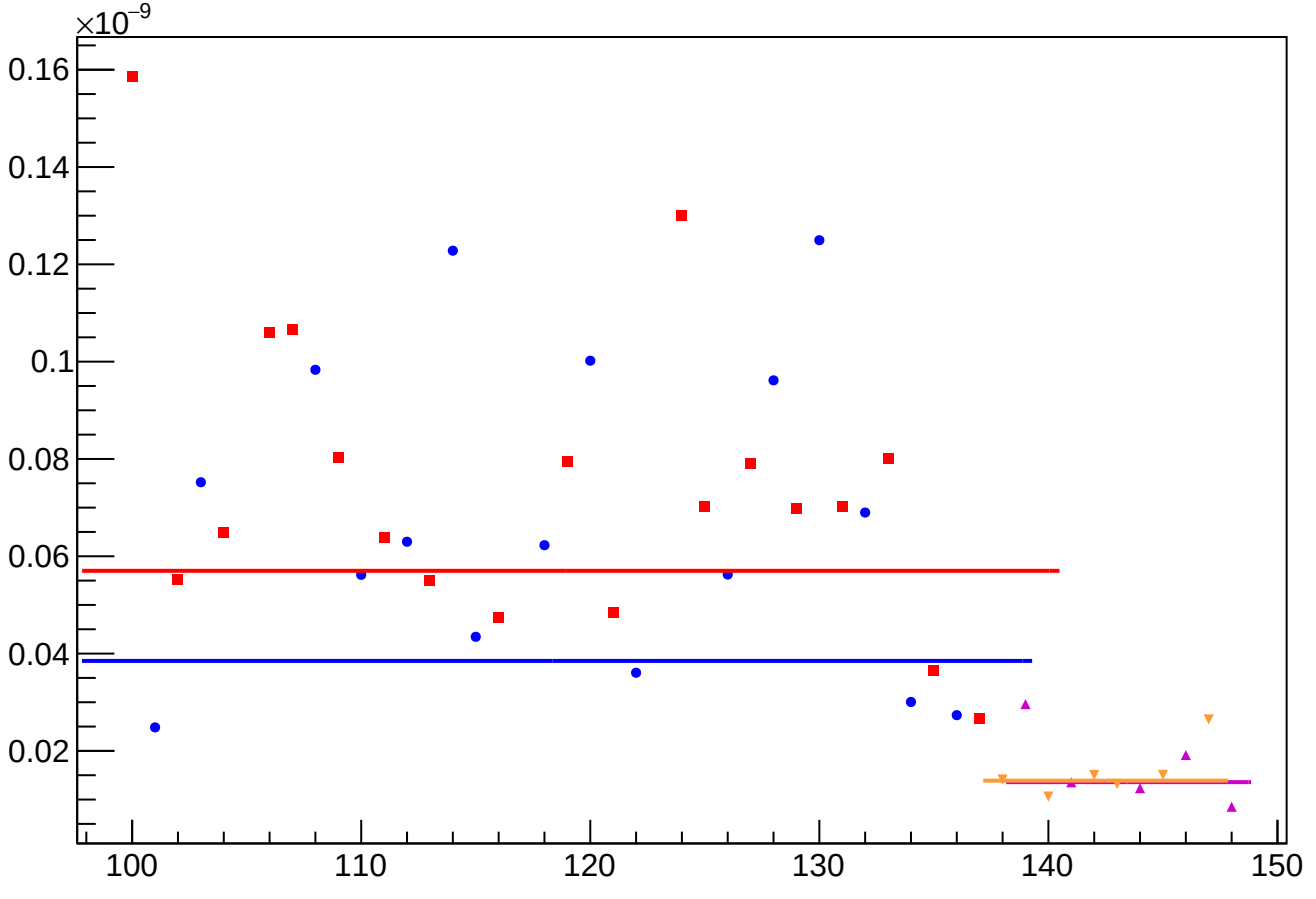
Left: -0.000+/-0.000 χ^2/NDF: 6.9/10

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.8/20

Out: -0.000+/-0.000 χ^2/NDF:19.1/24

All: -0.000+/-0.000 χ^2/NDF: 48.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:208974.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:463330.9/4

Left: 0.000+/-0.000 χ^2/NDF: 673028.5/10

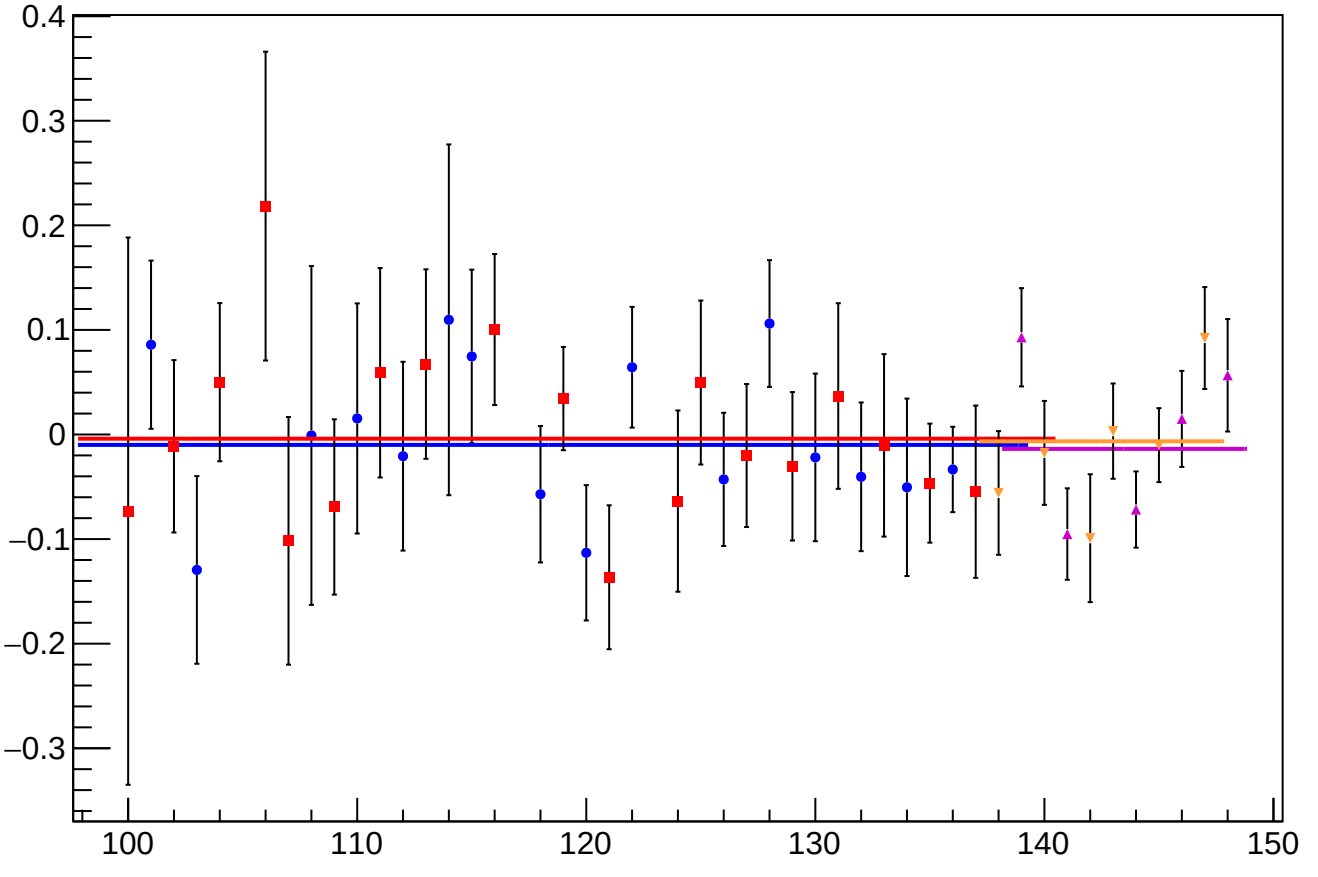
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3464264.2/20

Out: 0.000+/-0.000 χ^2/NDF:3821137.8/24

All: 0.000+/-0.000 χ^2/NDF: 7285681.8/45

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.020 χ^2/NDF:13.3/4

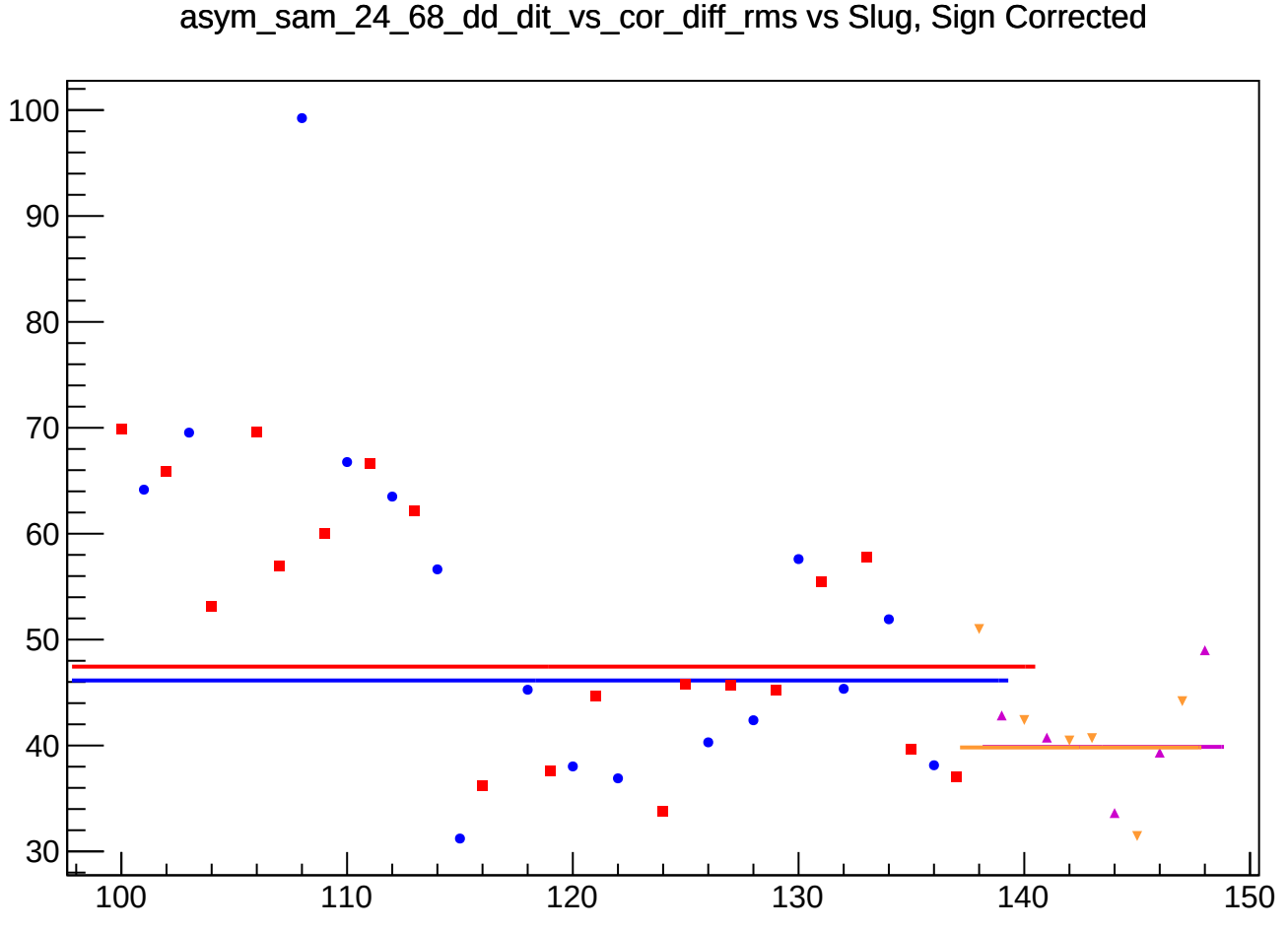
Left: -0.010+/-0.014 χ^2/NDF: 20.5/10

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.008+/-0.009 χ^2/NDF: 48.7/45



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.817+/-0.014 χ^2/NDF:205837.9/5

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

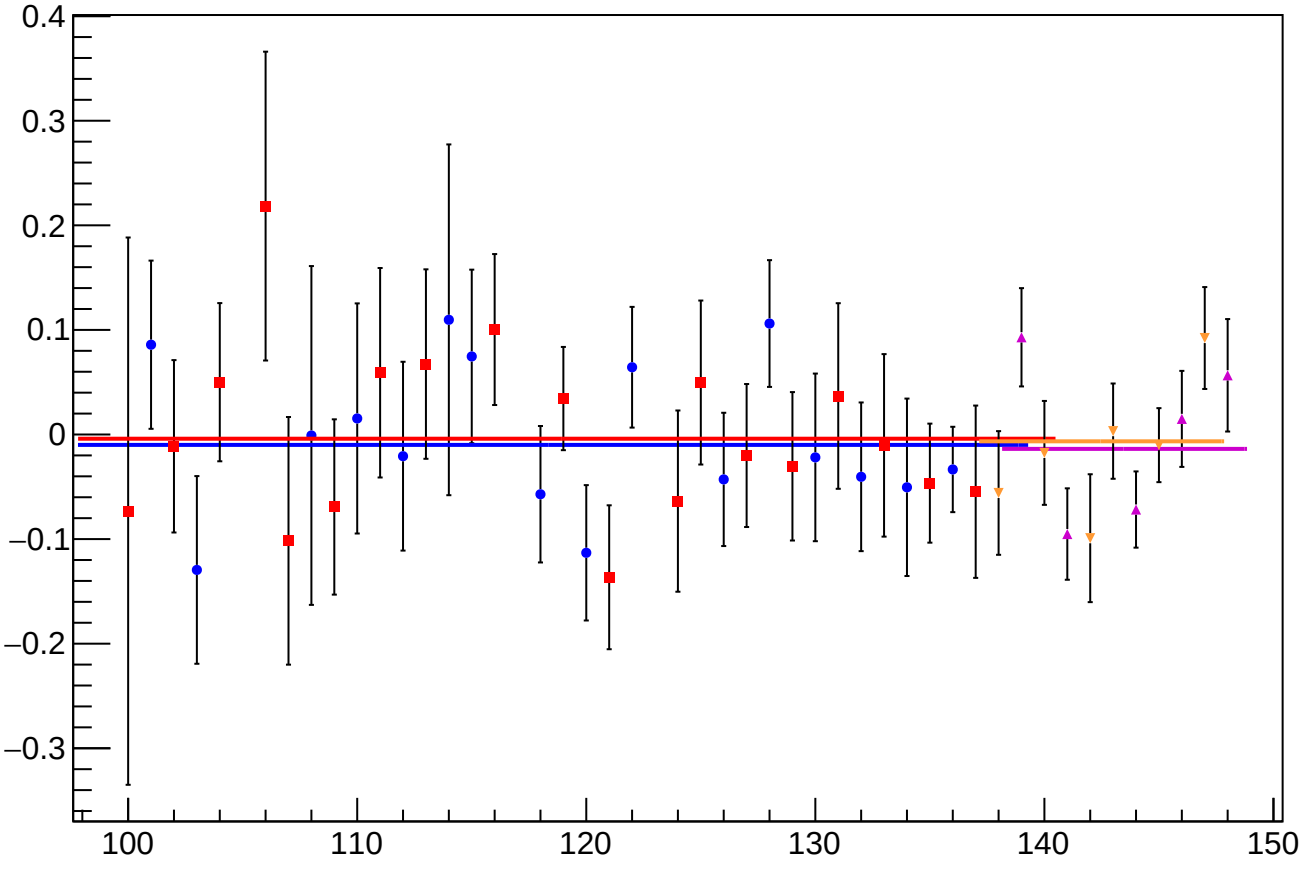
Left: 39.844+/-0.010 χ^2/NDF: 331248.5/10

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.306+/-0.009 χ^2/NDF:1138505.8/20

Out: 43.896+/-0.009 χ^2/NDF:1026252.8/24

All: 43.603+/-0.007 χ^2/NDF: 2166734.5/45



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.020 χ^2/NDF:13.3/4

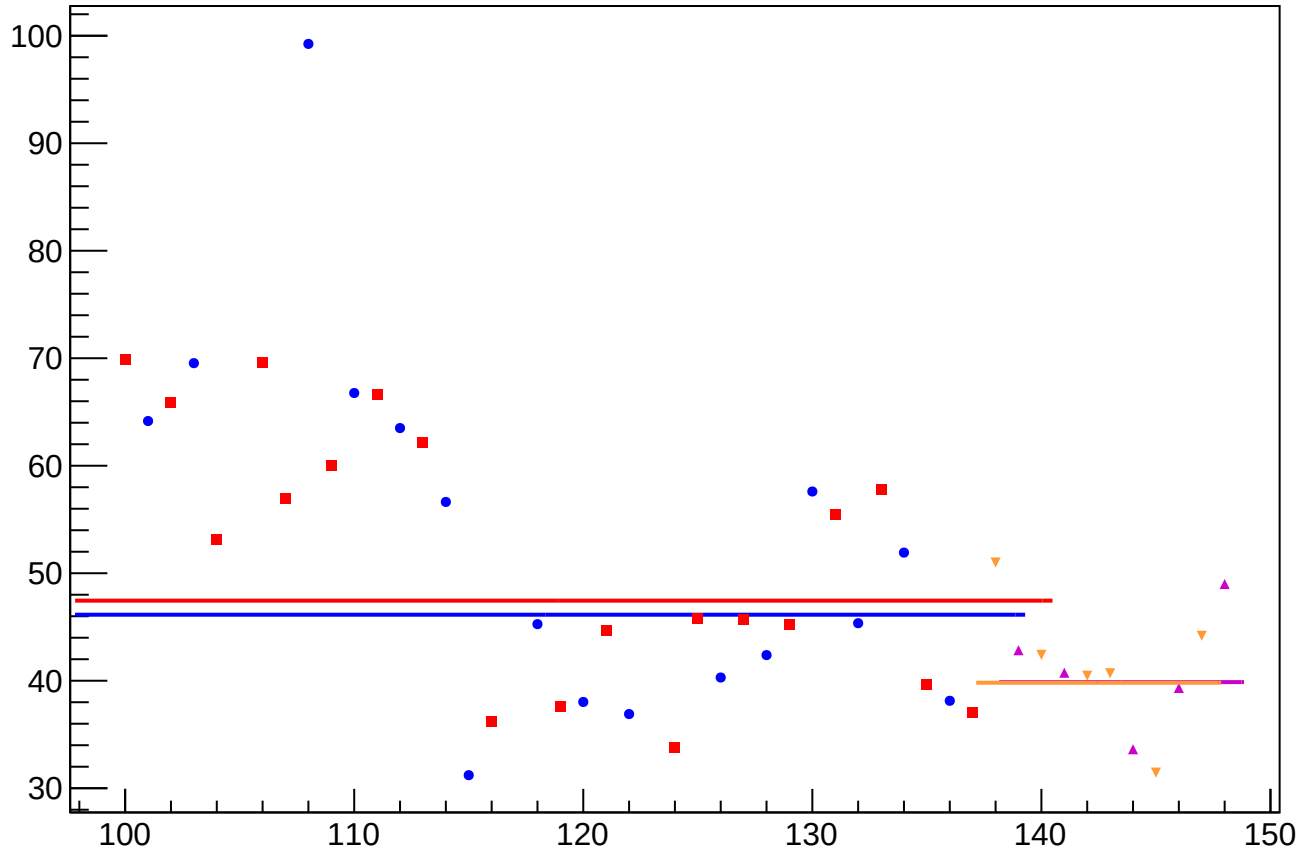
Left: -0.010+/-0.014 χ^2/NDF: 20.5/10

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.008+/-0.009 χ^2/NDF: 48.7/45



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.817+/-0.014 χ^2/NDF:205837.9/5

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

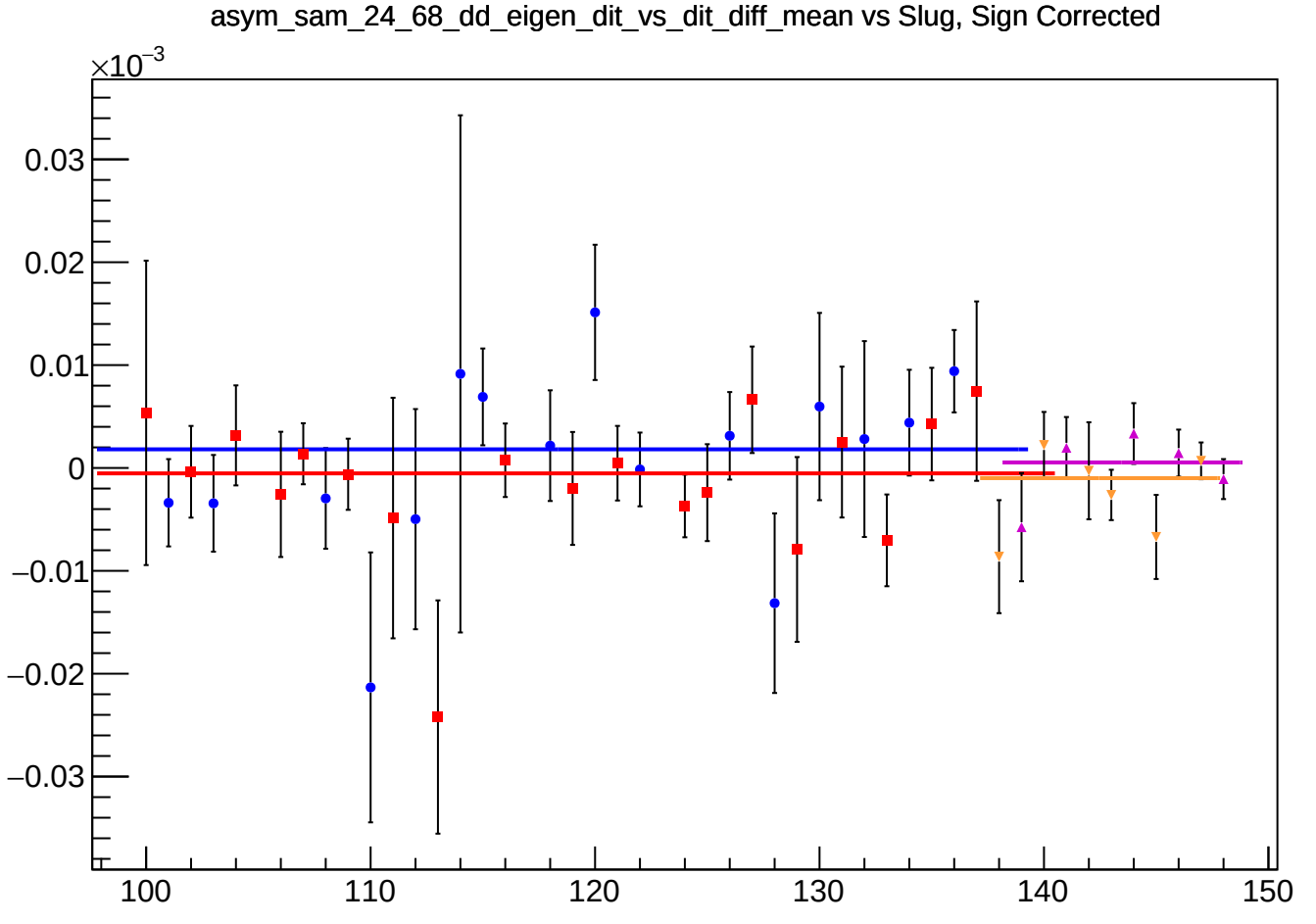
Left: 39.844+/-0.010 χ^2/NDF: 331248.5/10

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.306+/-0.009 χ^2/NDF:1138505.8/20

Out: 43.896+/-0.009 χ^2/NDF:1026252.8/24

All: 43.603+/-0.007 χ^2/NDF: 2166734.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/4

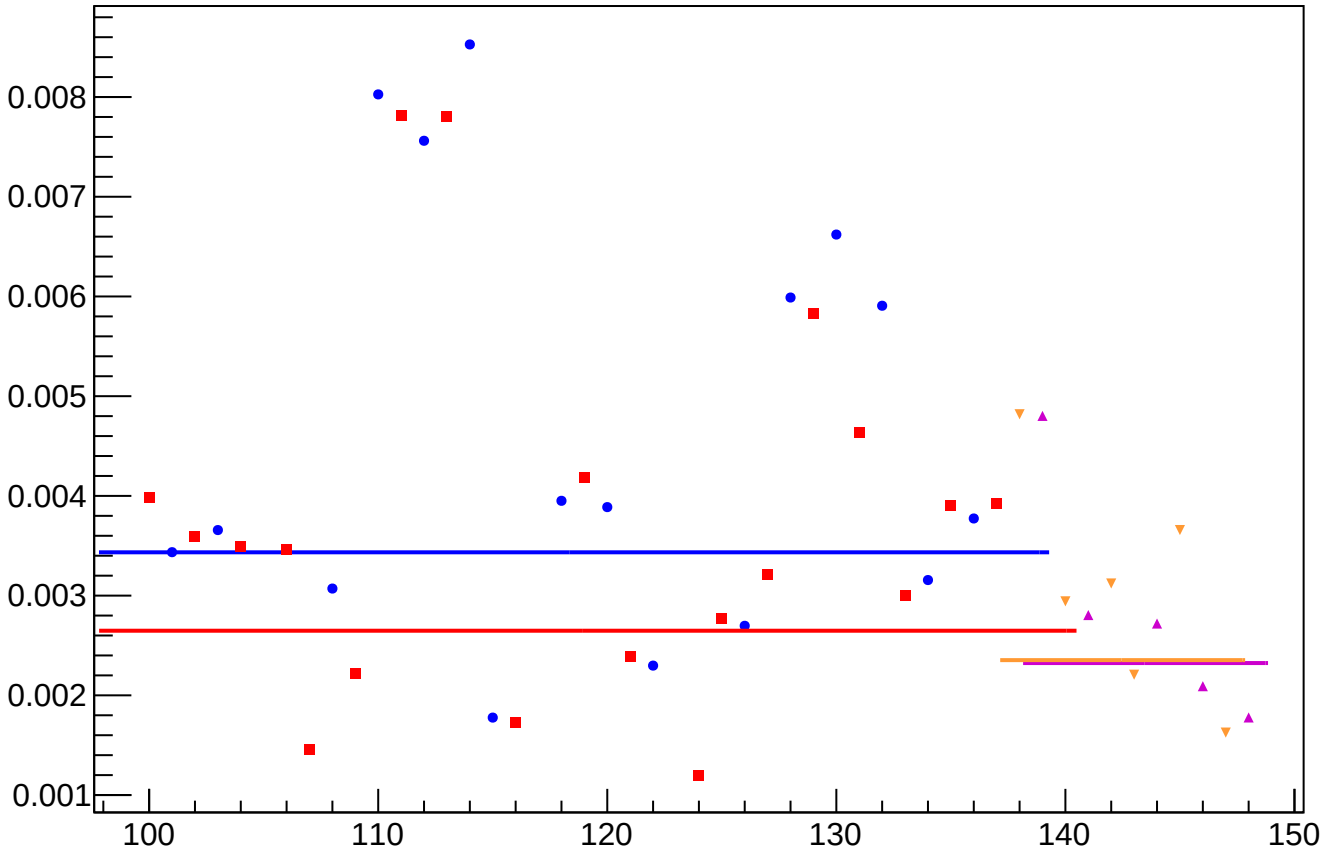
Left: -0.000+/-0.000 χ^2/NDF: 10.5/10

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:23.9/20

Out: -0.000+/-0.000 χ^2/NDF:20.1/24

All: 0.000+/-0.000 χ^2/NDF: 46.3/45



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1064252.0/5

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:710082.3/4

Left: 0.002+/-0.000 χ^2/NDF: 1774948.8/10

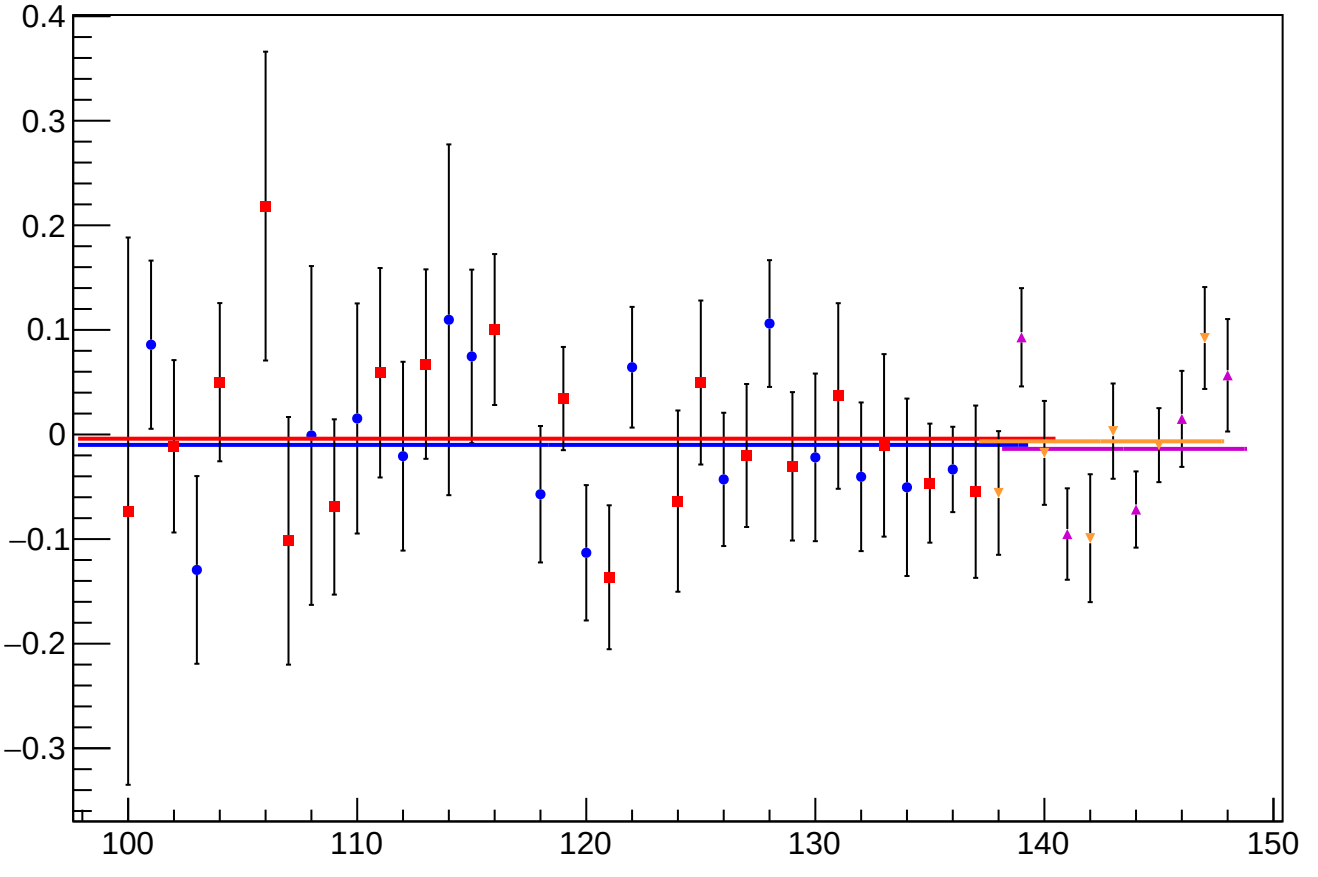
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3211948.7/20

Out: 0.003+/-0.000 χ^2/NDF:3828364.0/24

All: 0.003+/-0.000 χ^2/NDF: 7151309.1/45

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: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.020 χ^2/NDF:13.3/4

Left: -0.010+/-0.014 χ^2/NDF: 20.5/10

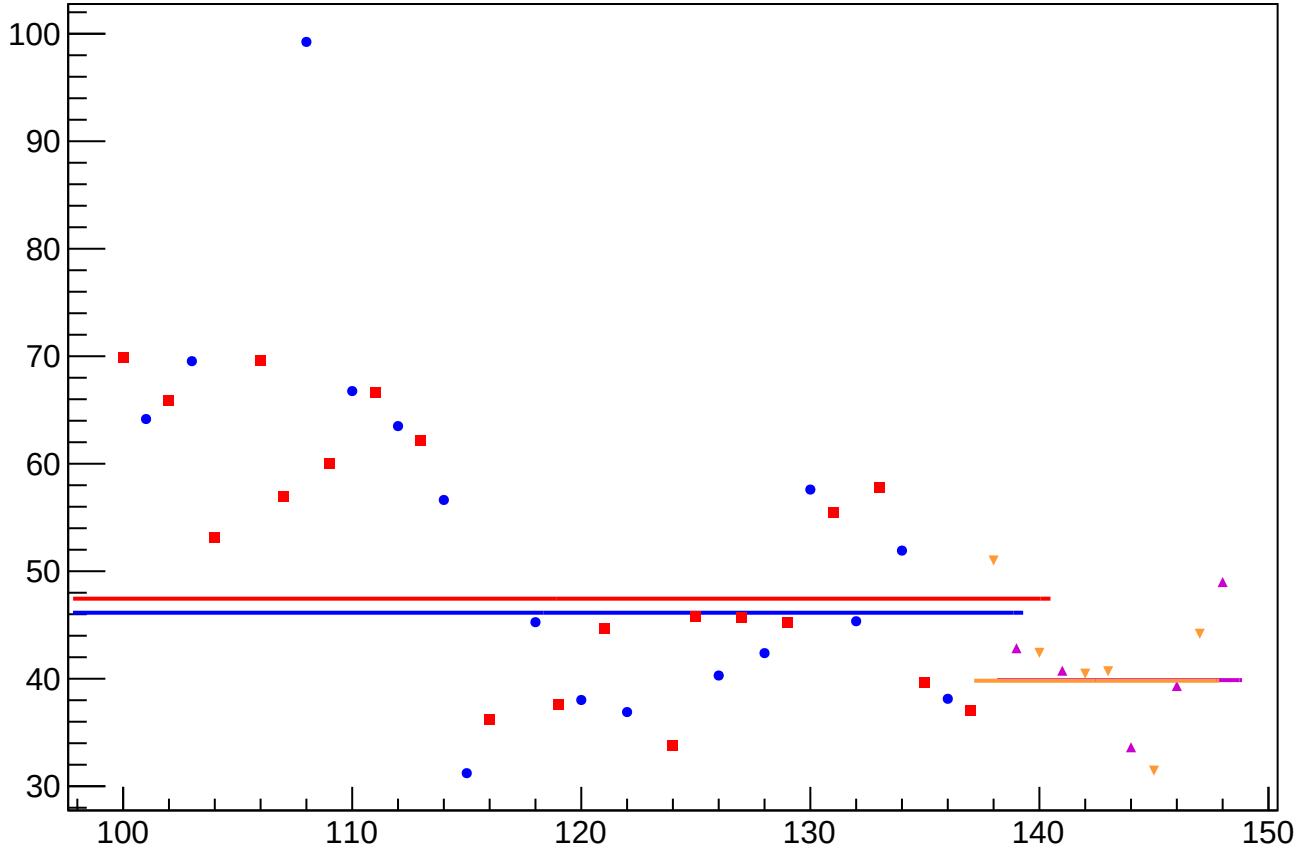
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.008+/-0.009 χ^2/NDF: 48.7/45

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.871+/-0.014 χ^2/NDF:125403.9/4

Left: 39.843+/-0.010 χ^2/NDF: 331246.0/10

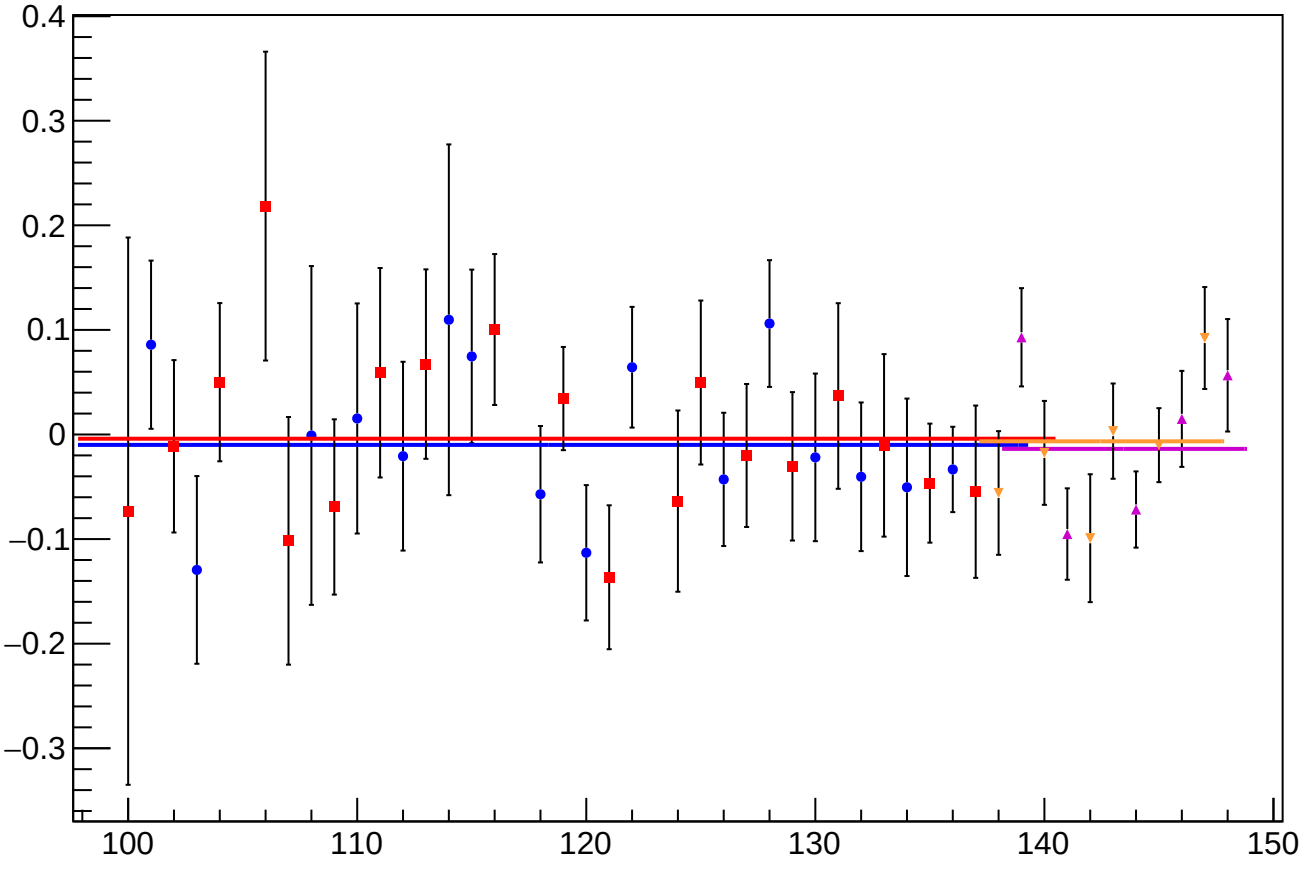
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.305+/-0.009 χ^2/NDF:1138435.3/20

Out: 43.896+/-0.009 χ^2/NDF:1026193.7/24

All: 43.602+/-0.007 χ^2/NDF: 2166607.3/45

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.020 χ^2/NDF:13.3/4

Left: -0.010+/-0.014 χ^2/NDF: 20.5/10

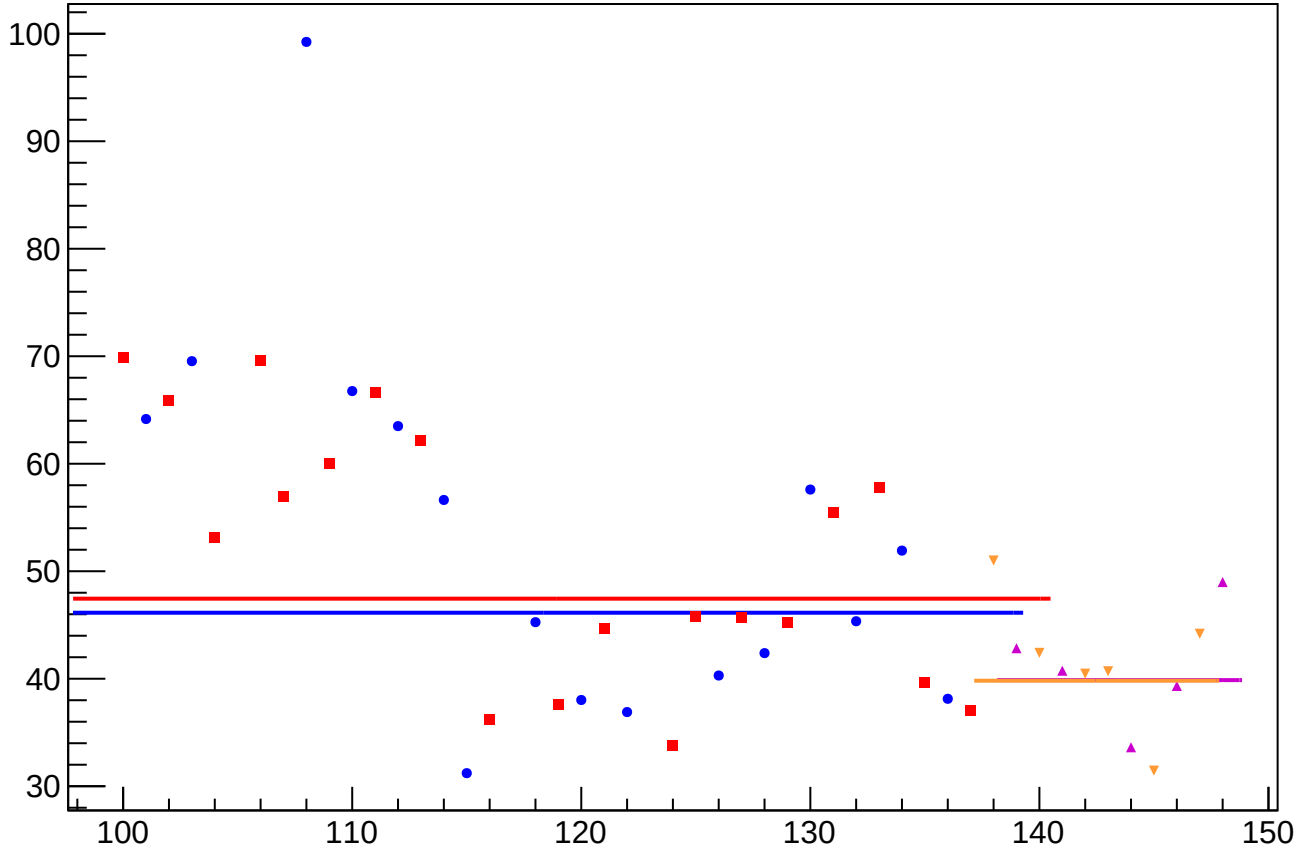
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.008+/-0.009 χ^2/NDF: 48.7/45

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.871+/-0.014 χ^2/NDF:125403.9/4

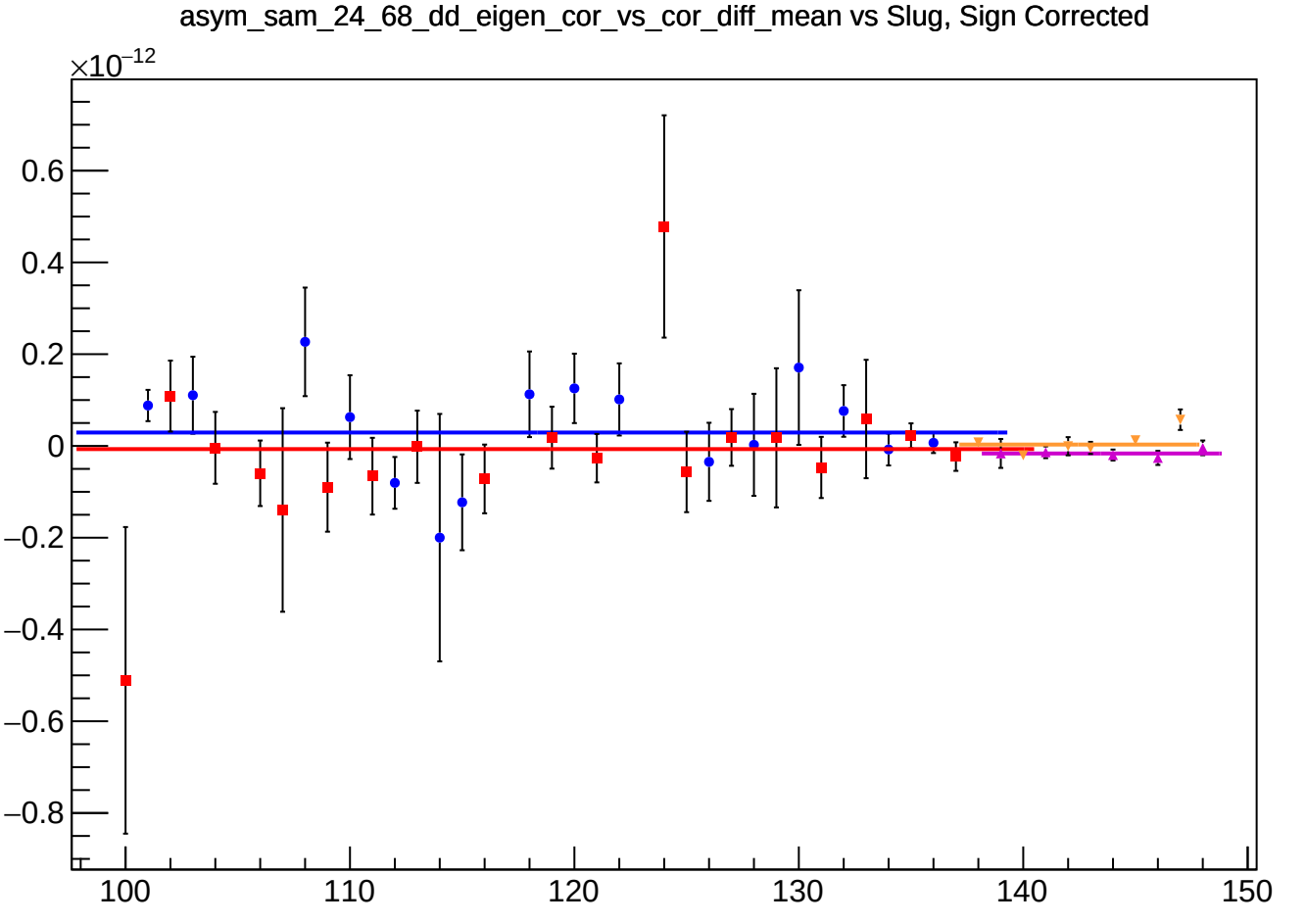
Left: 39.843+/-0.010 χ^2/NDF: 331246.0/10

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.305+/-0.009 χ^2/NDF:1138435.3/20

Out: 43.896+/-0.009 χ^2/NDF:1026193.7/24

All: 43.602+/-0.007 χ^2/NDF: 2166607.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

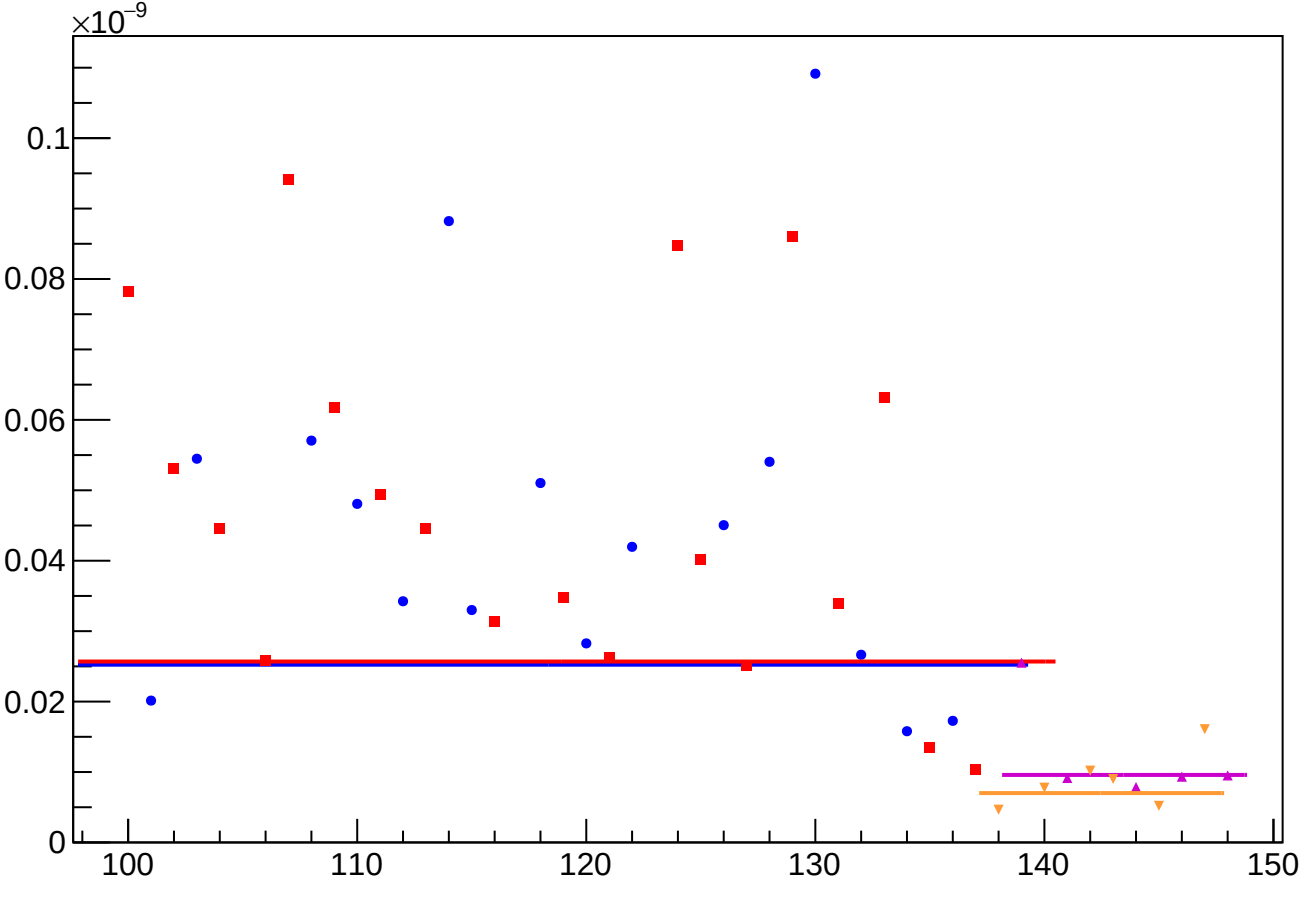
Left: -0.000+/-0.000 χ^2/NDF: 18.8/10

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:31.2/20

Out: 0.000+/-0.000 χ^2/NDF:27.0/24

All: -0.000+/-0.000 χ^2/NDF: 59.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:624505.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:554258.6/4

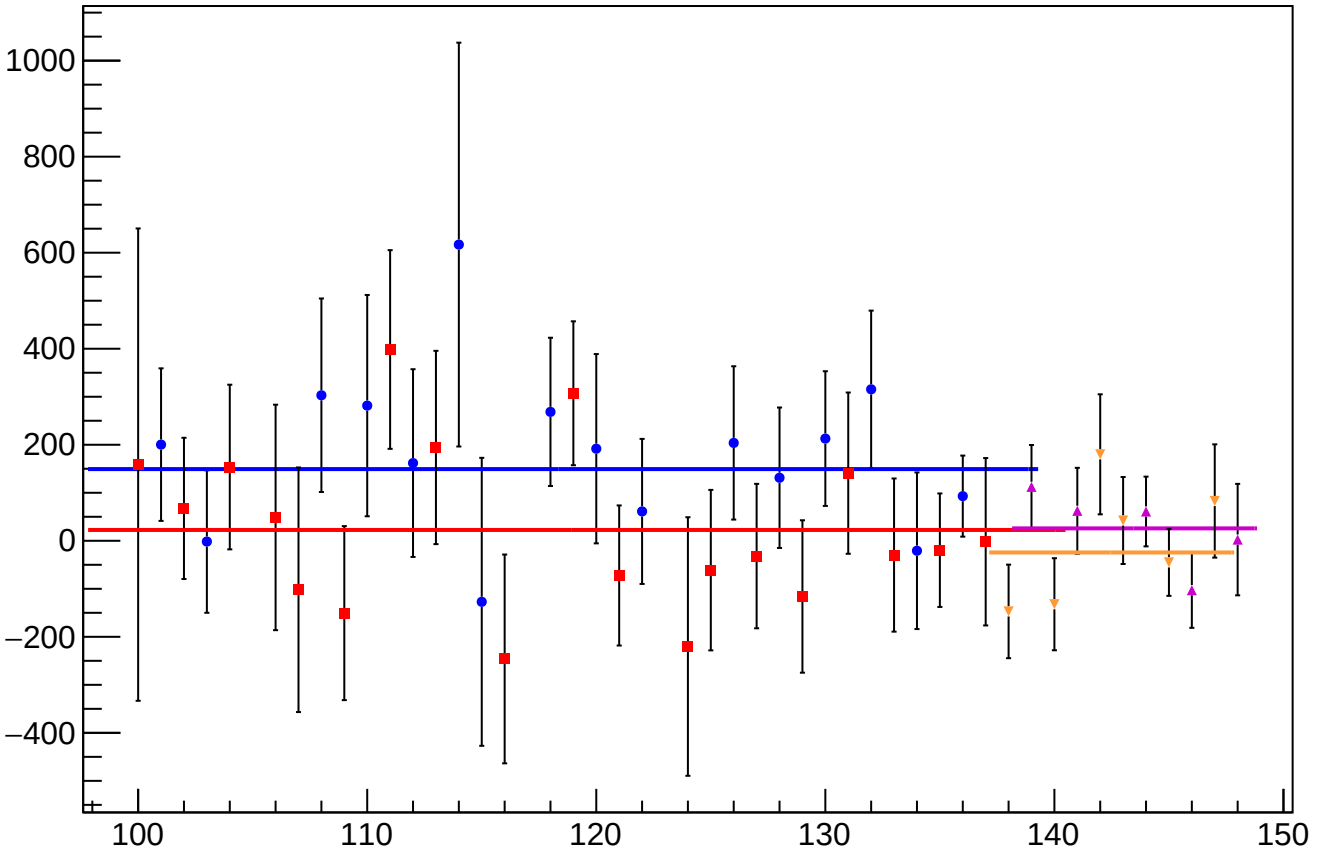
Left: 0.000+/-0.000 χ^2/NDF: 1369028.3/10

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4823718.8/20

Out: 0.000+/-0.000 χ^2/NDF:6443948.4/24

All: 0.000+/-0.000 χ^2/NDF: 11731174.2/45



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.336+/-38.421 χ^2/NDF:7.0/5

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 25.848+/-38.271 χ^2/NDF:4.1/4

Left: 0.855+/-27.115 χ^2/NDF: 12.0/10

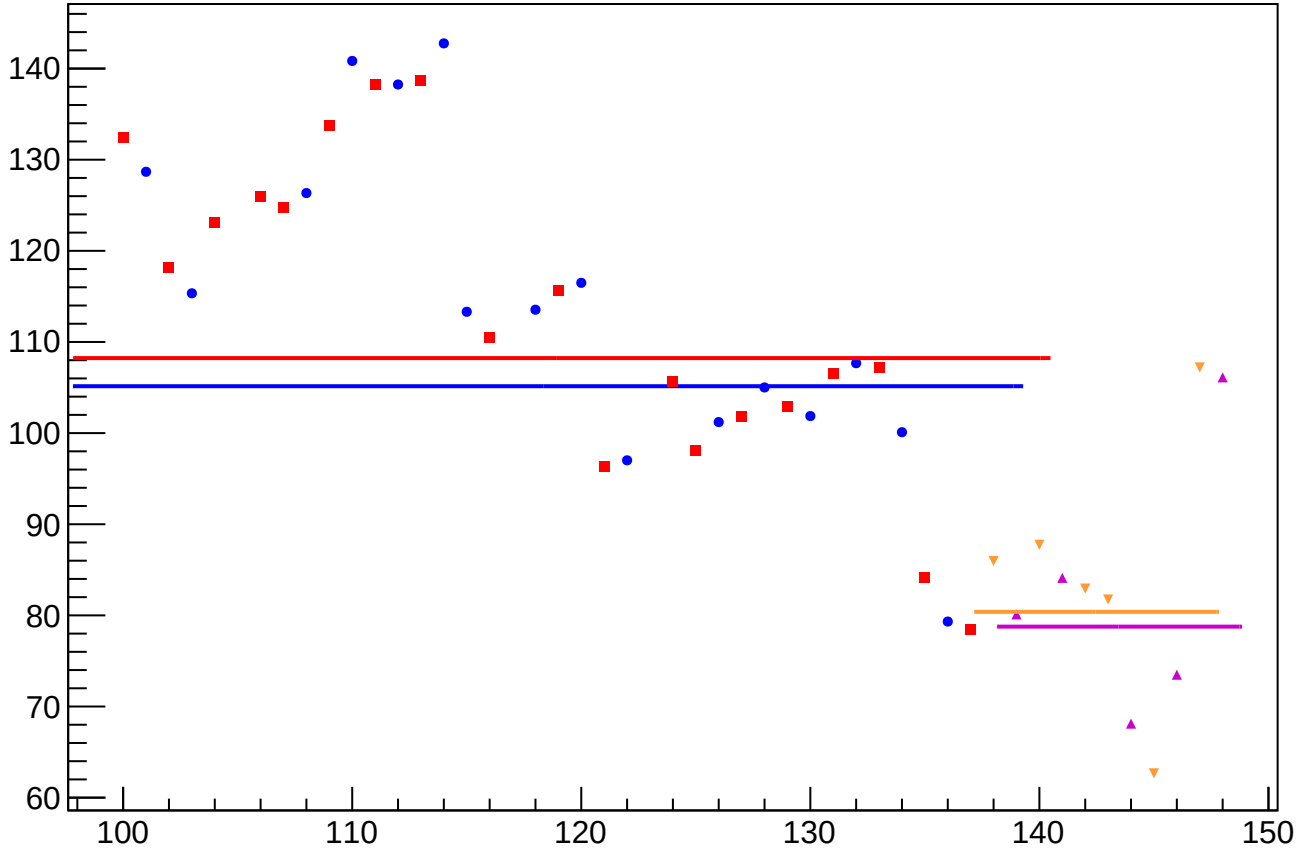
Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 85.333+/-27.549 χ^2/NDF:17.1/20

Out: -1.896+/-27.743 χ^2/NDF:21.9/24

All: 42.025+/-19.548 χ^2/NDF: 44.0/45

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.3/5

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

Left: 79.575+/-0.019 χ^2/NDF: 424529.3/10

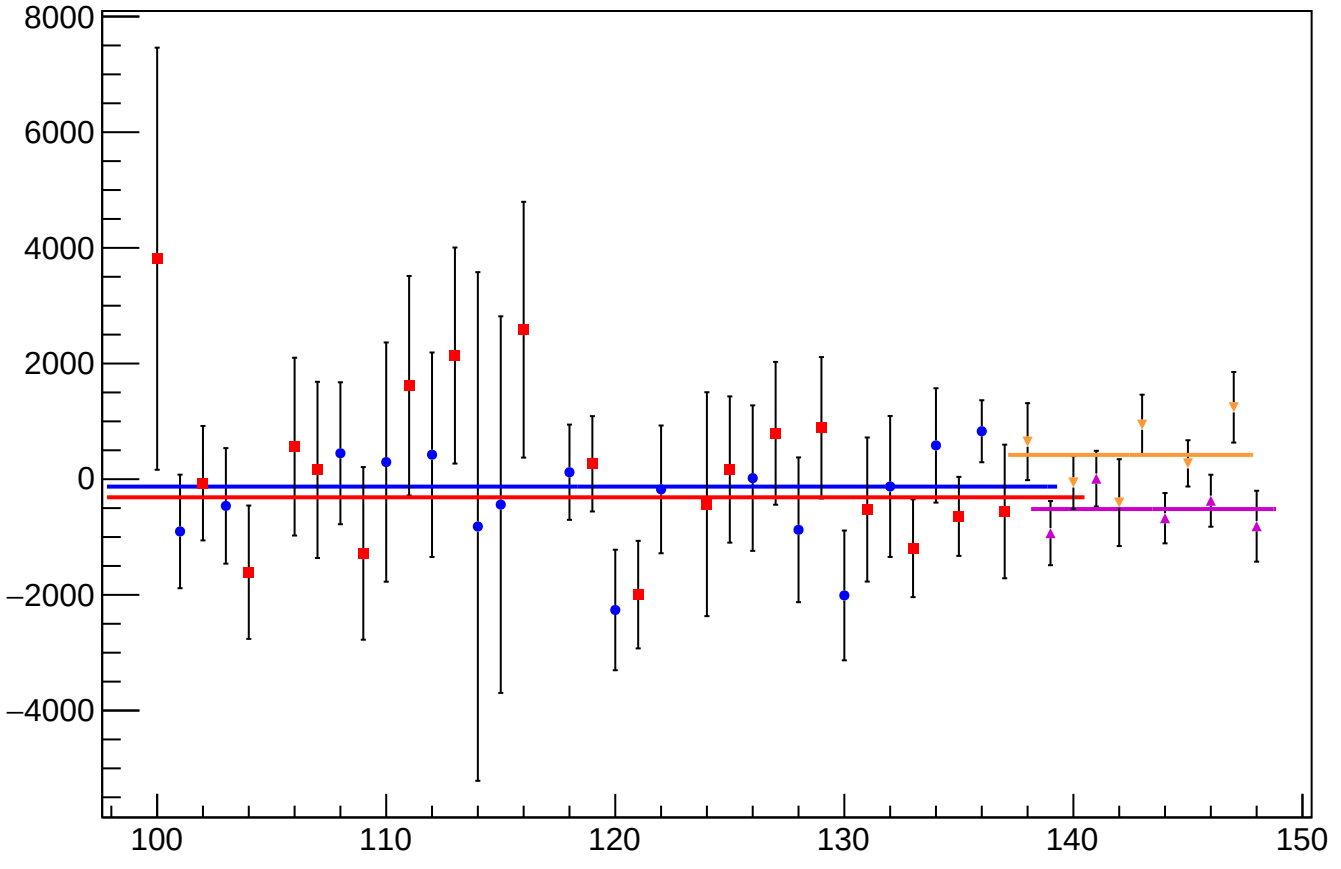
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.477+/-0.019 χ^2/NDF:1036983.6/20

Out: 93.717+/-0.020 χ^2/NDF:1104641.7/24

All: 92.589+/-0.014 χ^2/NDF: 2148188.6/45

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: 420.144+/-215.762 χ^2/NDF:5.4/5

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -516.284+/-221.067 χ^2/NDF:2.2/4

Left: -36.698+/-154.408 χ^2/NDF: 16.8/10

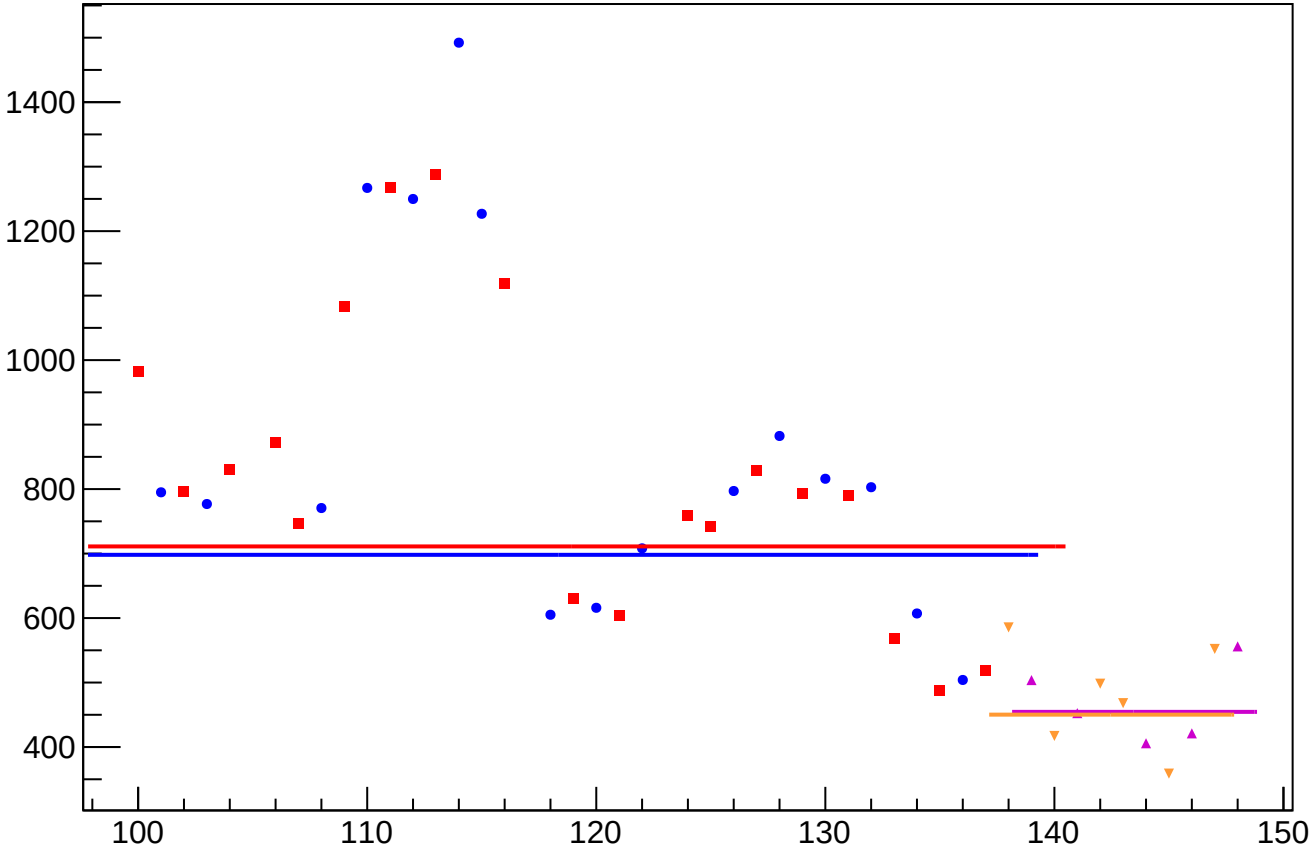
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -359.512+/-170.693 χ^2/NDF:15.8/20

Out: 134.581+/-168.586 χ^2/NDF:24.9/24

All: -109.398+/-119.946 χ^2/NDF: 44.9/45

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 450.233+/-0.153 χ^2/NDF:263846.6/5

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 454.529+/-0.156 χ^2/NDF:106781.0/4

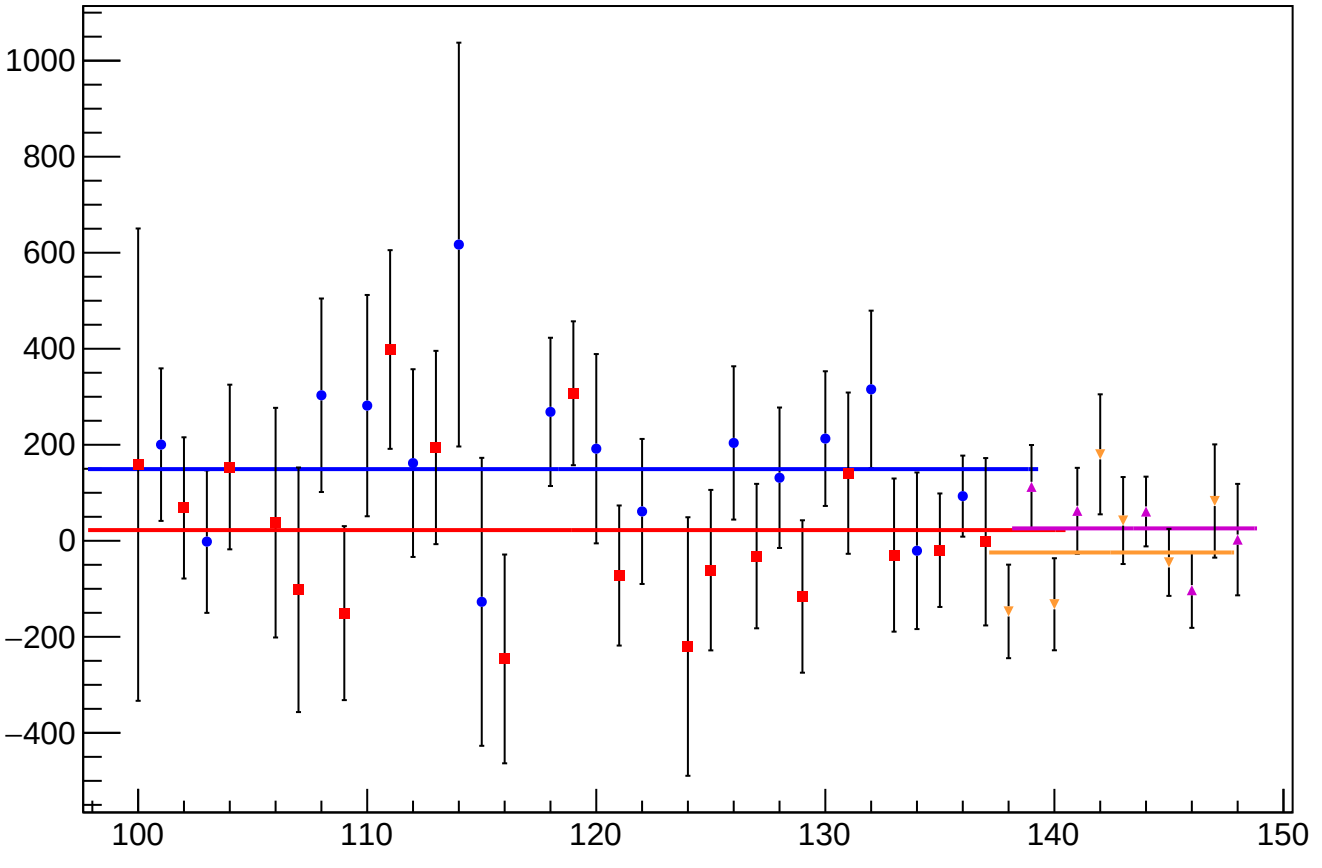
Left: 452.329+/-0.109 χ^2/NDF: 371014.3/10

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 552.868+/-0.121 χ^2/NDF:1999690.9/20

Out: 551.833+/-0.119 χ^2/NDF:2437566.4/24

All: 552.344+/-0.085 χ^2/NDF: 4437294.5/45



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.346+/-38.421 χ^2/NDF:7.0/5

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 25.845+/-38.271 χ^2/NDF:4.1/4

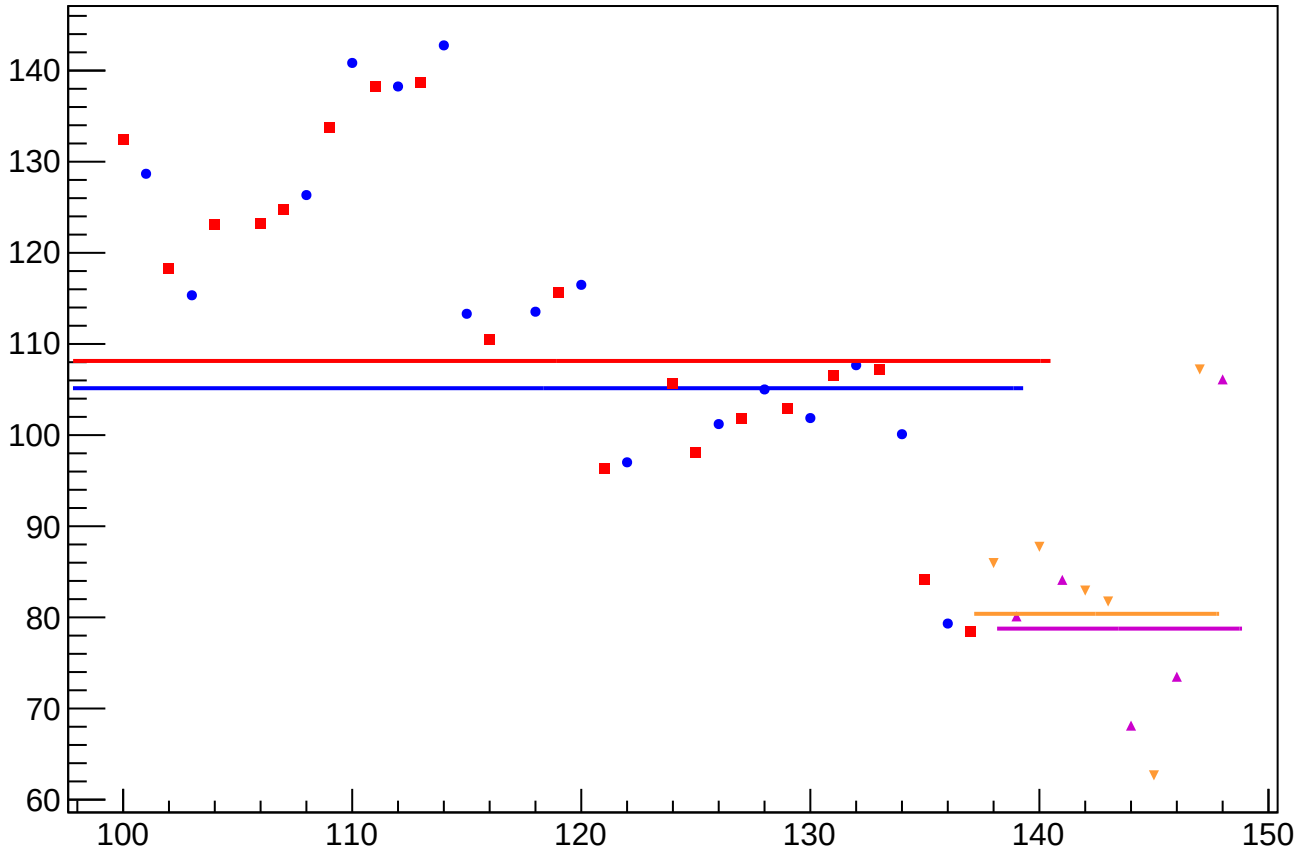
Left: 0.848+/-27.115 χ^2/NDF: 12.0/10

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 85.327+/-27.549 χ^2/NDF:17.2/20

Out: -2.034+/-27.750 χ^2/NDF:21.9/24

All: 41.964+/-19.551 χ^2/NDF: 44.0/45



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.2/5

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

Left: 79.575+/-0.019 χ^2/NDF: 424529.3/10

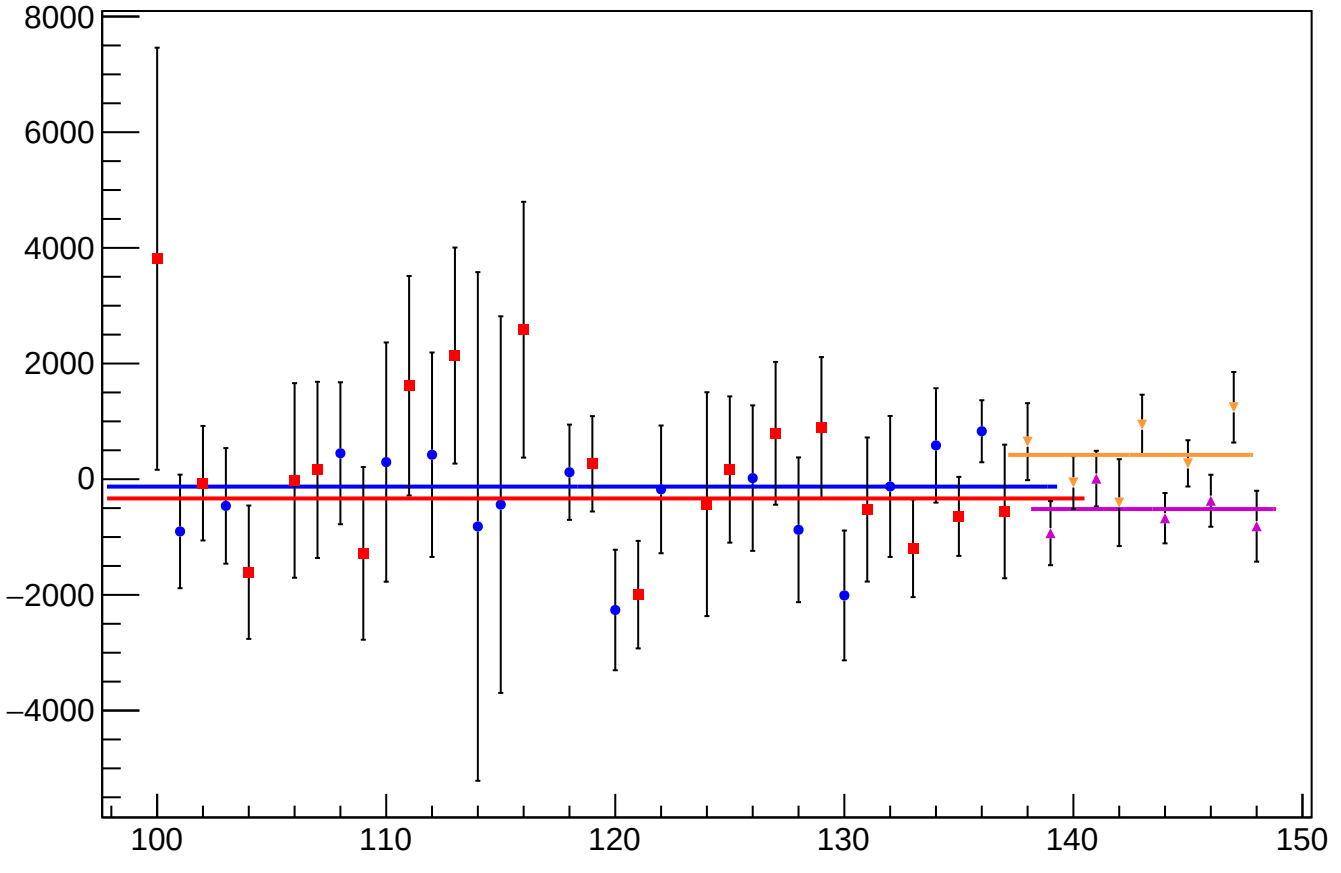
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.477+/-0.019 χ^2/NDF:1036983.9/20

Out: 93.663+/-0.020 χ^2/NDF:1097266.5/24

All: 92.562+/-0.014 χ^2/NDF: 2140500.7/45

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: 420.136+/-215.762 χ^2/NDF:5.4/5

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -516.286+/-221.067 χ^2/NDF:2.2/4

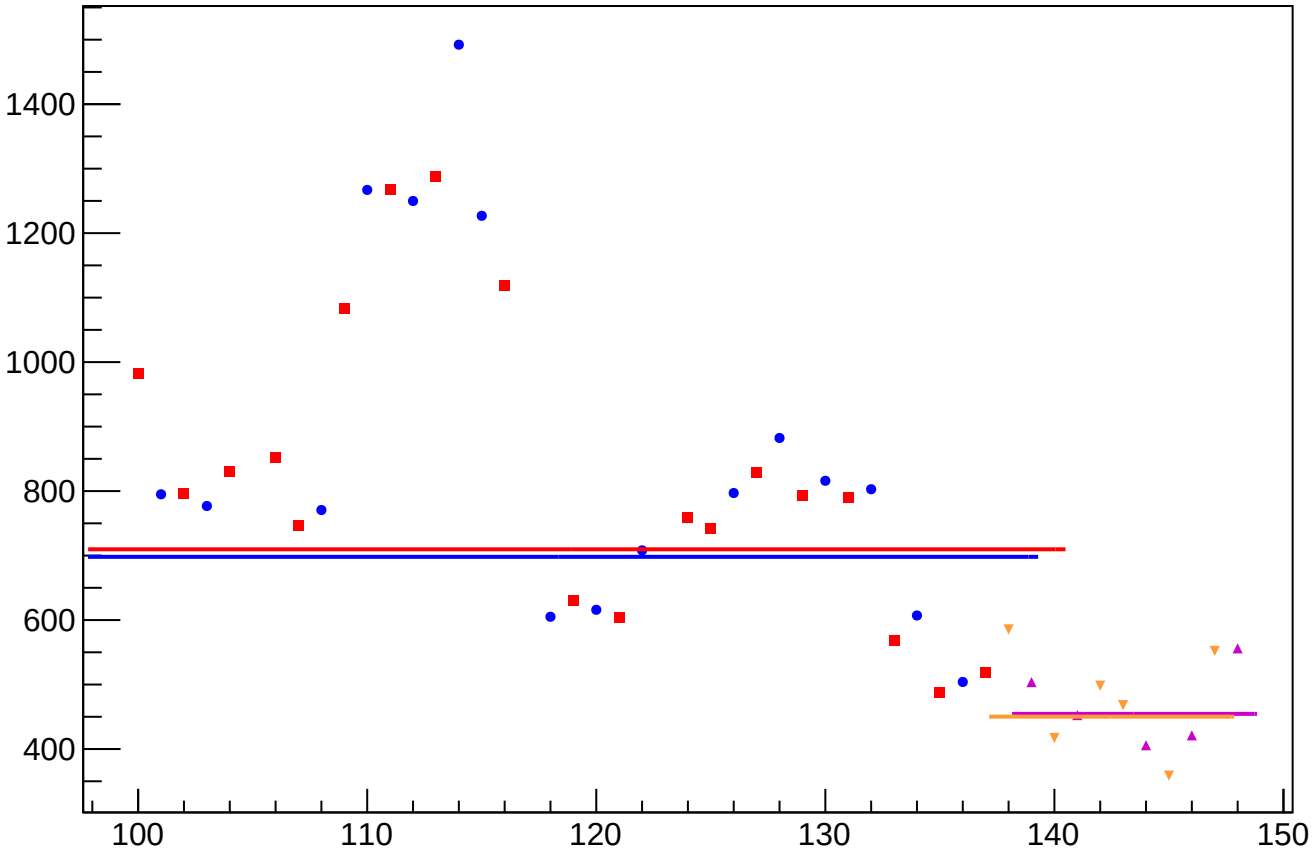
Left: -36.703+/-154.408 χ^2/NDF: 16.8/10

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -359.510+/-170.693 χ^2/NDF:15.8/20

Out: 127.861+/-168.757 χ^2/NDF:24.8/24

All: -113.045+/-120.008 χ^2/NDF: 44.7/45



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 450.233+/-0.153 χ^2/NDF:263849.0/5

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

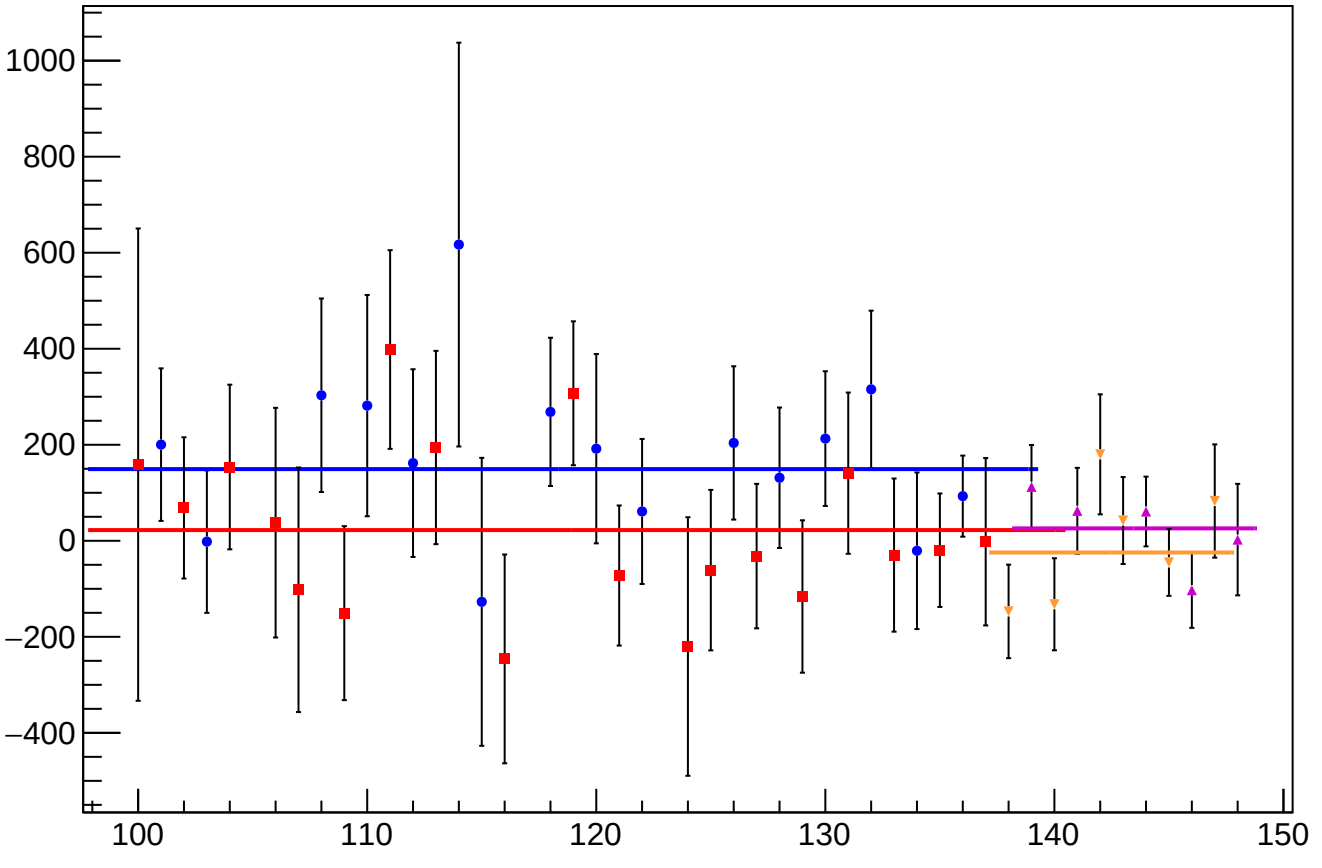
Left: 452.329+/-0.109 χ^2/NDF: 371015.2/10

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.868+/-0.121 χ^2/NDF:1999700.9/20

Out: 550.990+/-0.119 χ^2/NDF:2414323.2/24

All: 551.918+/-0.085 χ^2/NDF: 4414146.5/45



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.346+/-38.421 χ^2/NDF:7.0/5

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 25.845+/-38.271 χ^2/NDF:4.1/4

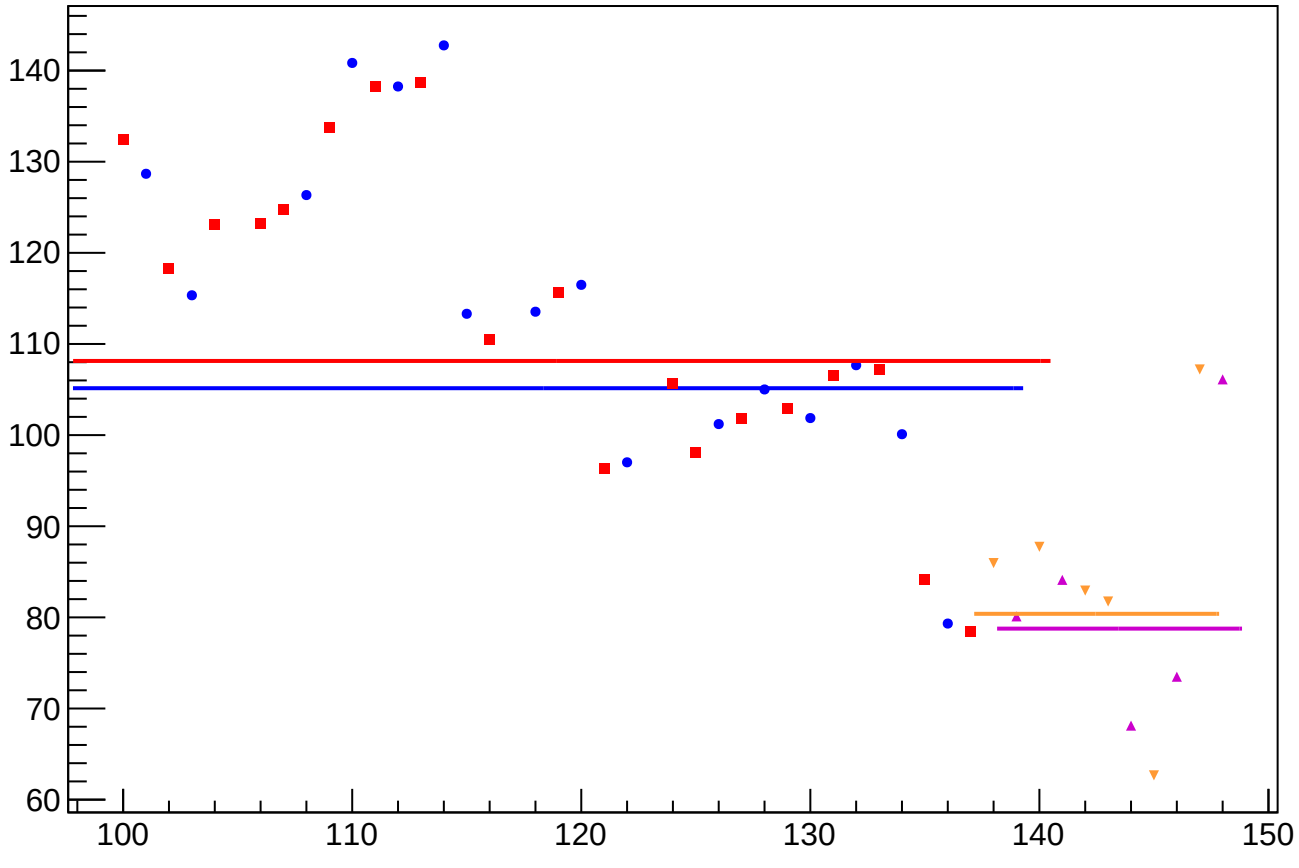
Left: 0.848+/-27.115 χ^2/NDF: 12.0/10

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 85.327+/-27.549 χ^2/NDF:17.2/20

Out: -2.034+/-27.750 χ^2/NDF:21.9/24

All: 41.964+/-19.551 χ^2/NDF: 44.0/45



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.2/5

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 78.766+/-0.027 χ^2/NDF:170697.0/4

Left: 79.575+/-0.019 χ^2/NDF: 424529.3/10

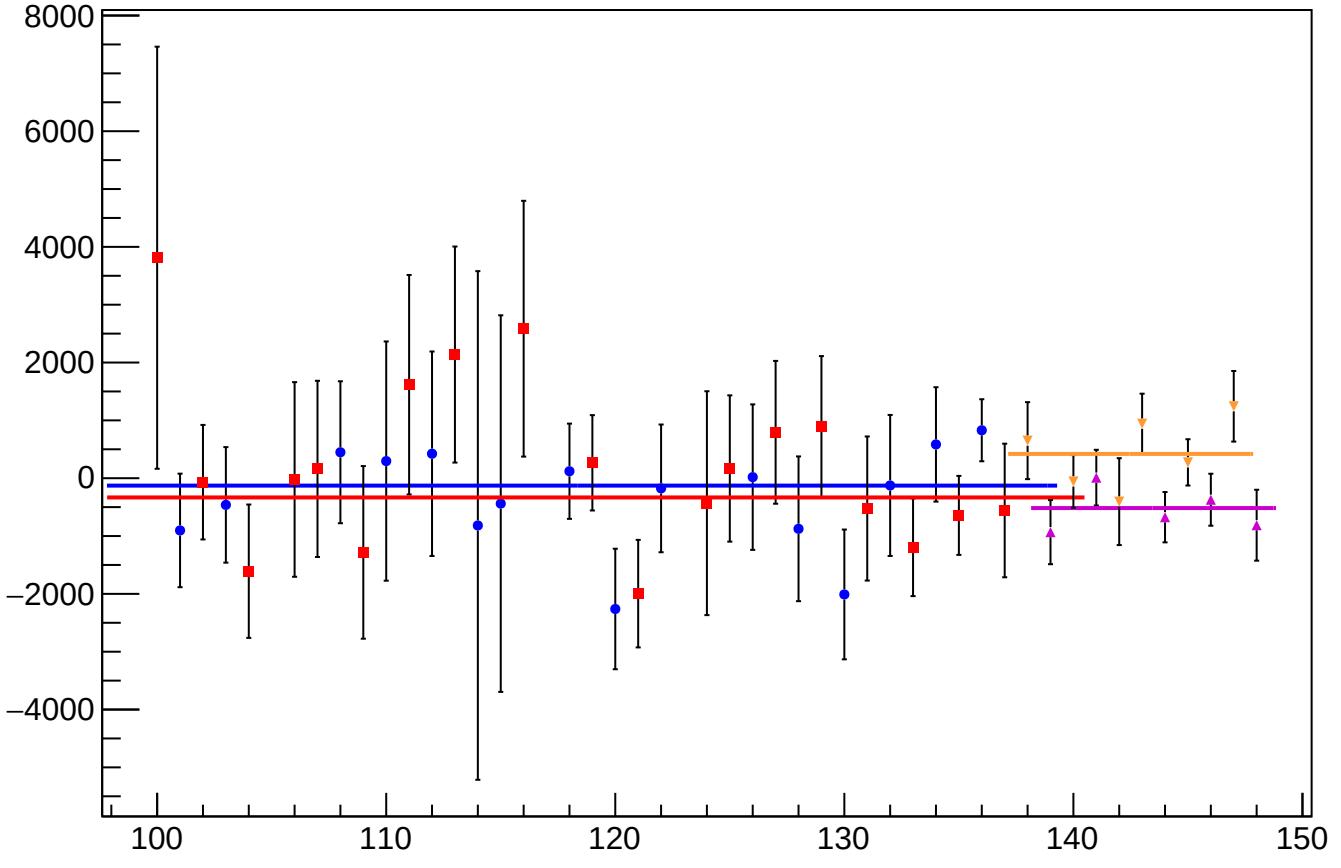
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.477+/-0.019 χ^2/NDF:1036983.9/20

Out: 93.663+/-0.020 χ^2/NDF:1097266.5/24

All: 92.562+/-0.014 χ^2/NDF: 2140500.7/45

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: 420.136+/-215.762 χ^2/NDF:5.4/5

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -516.286+/-221.067 χ^2/NDF:2.2/4

Left: -36.703+/-154.408 χ^2/NDF: 16.8/10

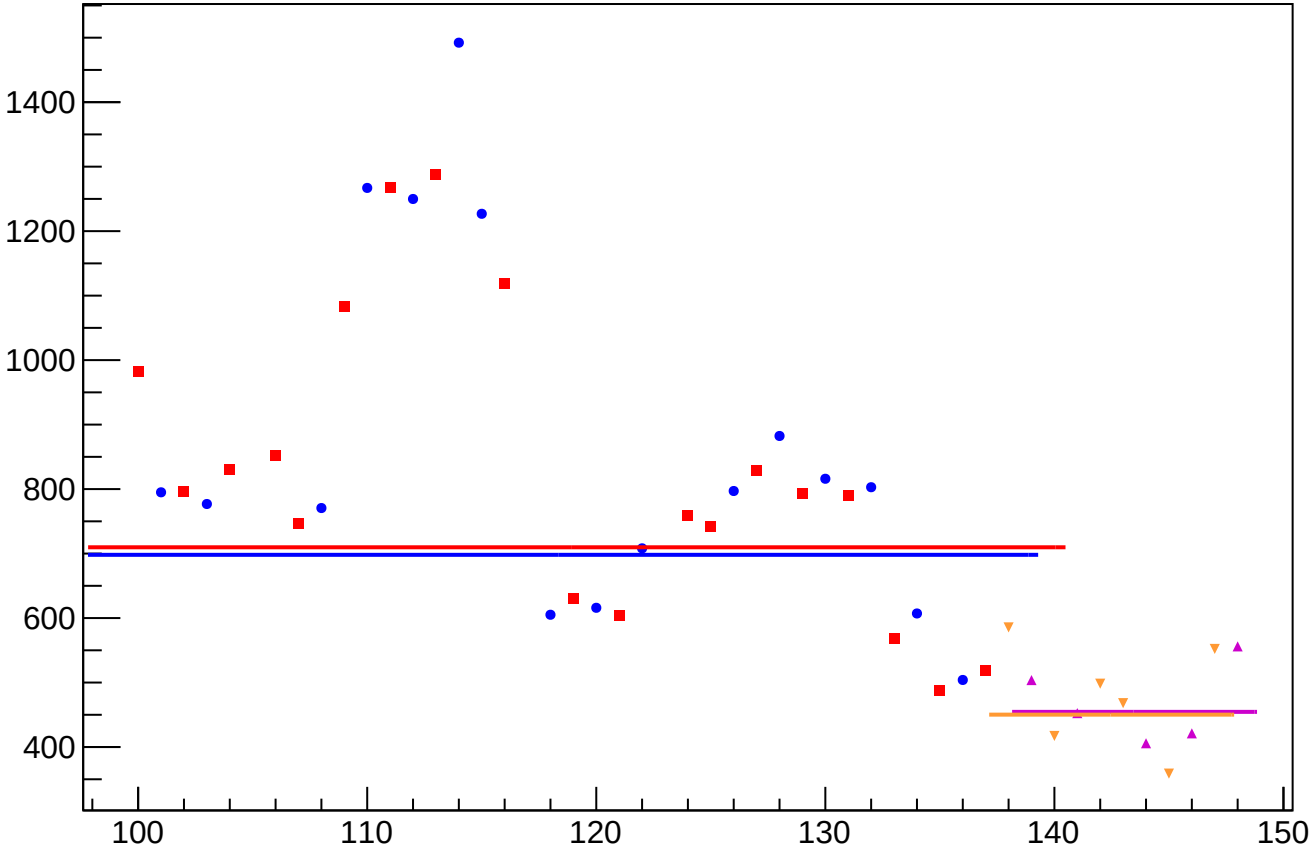
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -359.510+/-170.693 χ^2/NDF:15.8/20

Out: 127.861+/-168.757 χ^2/NDF:24.8/24

All: -113.045+/-120.008 χ^2/NDF: 44.7/45

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 450.233+/-0.153 χ^2/NDF:263849.0/5

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

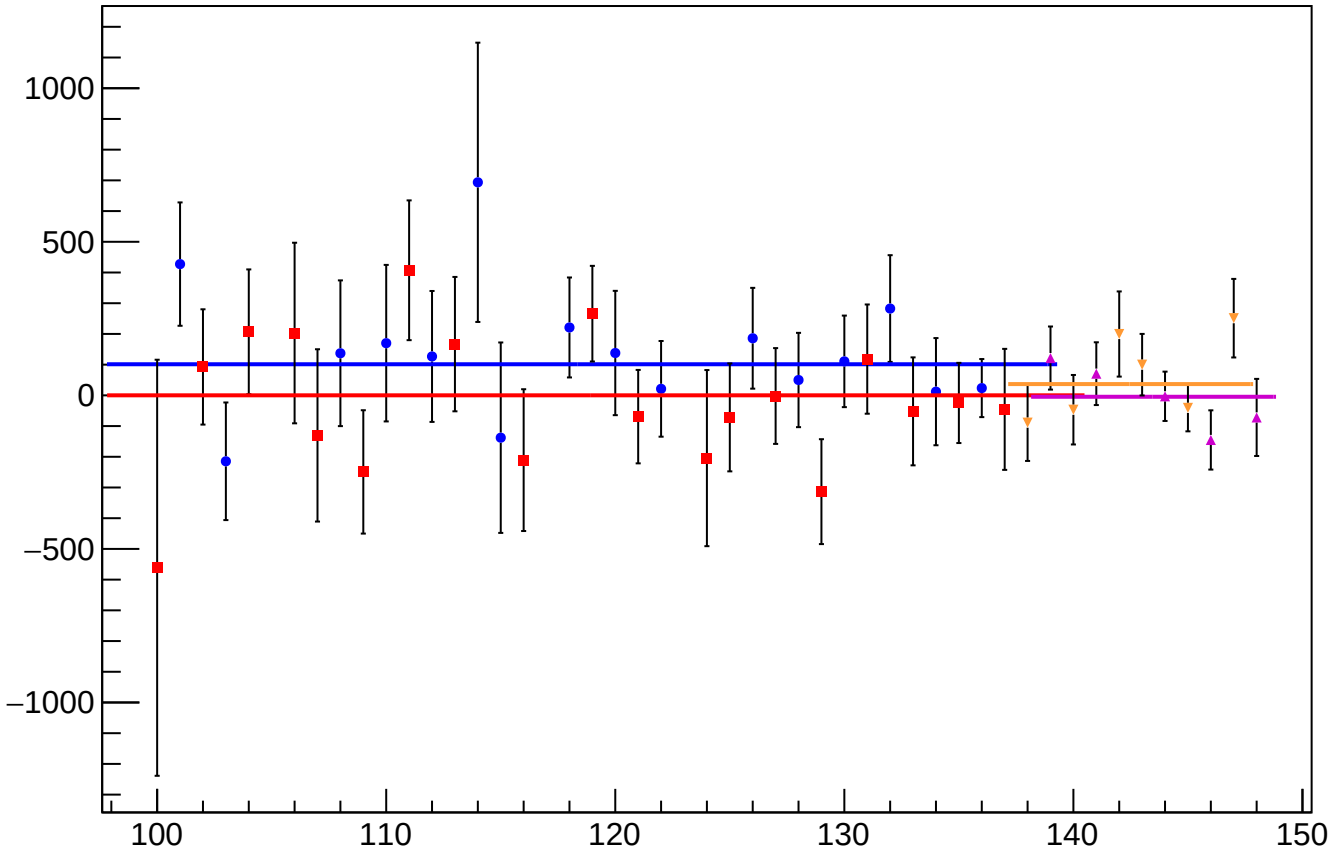
Left: 452.329+/-0.109 χ^2/NDF: 371015.2/10

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.868+/-0.121 χ^2/NDF:1999700.9/20

Out: 550.990+/-0.119 χ^2/NDF:2414323.2/24

All: 551.918+/-0.085 χ^2/NDF: 4414146.5/45



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 36.724+/-43.576 χ^2/NDF:7.2/5

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.603+/-44.002 χ^2/NDF:4.5/4

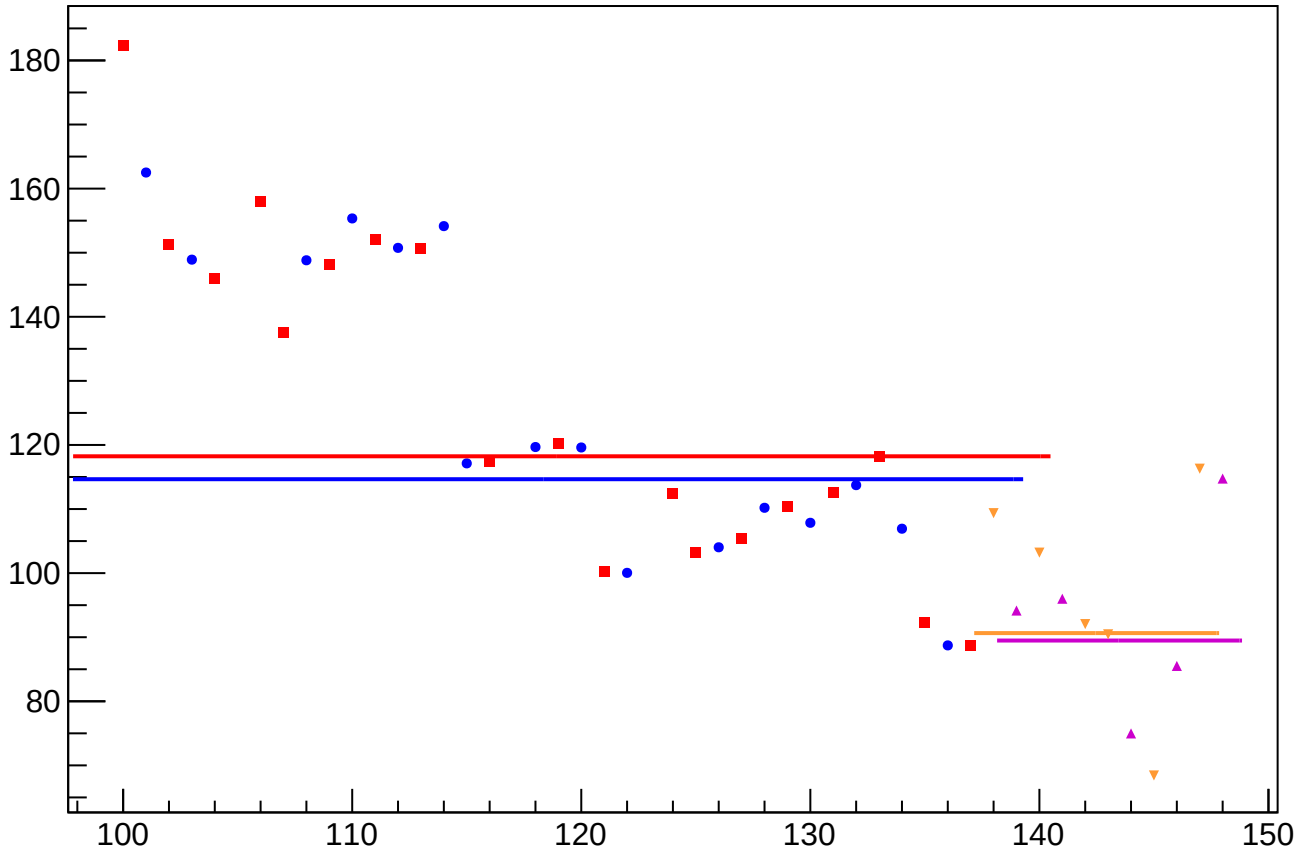
Left: 16.262+/-30.962 χ^2/NDF: 12.1/10

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 48.935+/-30.939 χ^2/NDF:18.4/20

Out: 18.616+/-30.974 χ^2/NDF:24.1/24

All: 33.793+/-21.889 χ^2/NDF: 43.0/45



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 90.642+/-0.031 χ^2/NDF:319508.6/5

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 89.482+/-0.031 χ^2/NDF:161892.8/4

Left: 90.068+/-0.022 χ^2/NDF: 482103.7/10

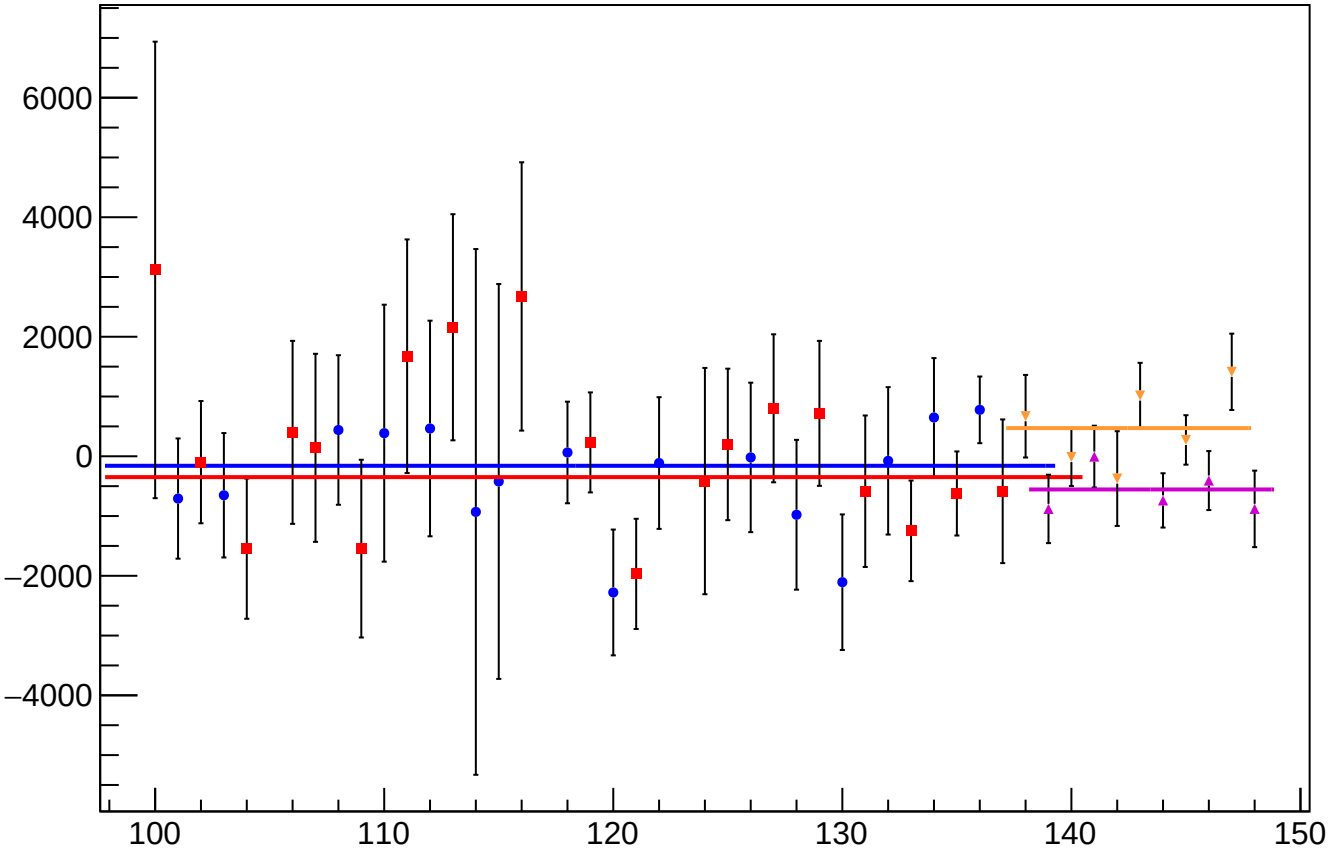
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.210+/-0.022 χ^2/NDF:1024835.1/20

Out: 104.292+/-0.022 χ^2/NDF:1199547.4/24

All: 103.250+/-0.015 χ^2/NDF: 2228906.0/45

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 471.620+/-226.140 χ^2/NDF:5.6/5

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -555.332+/-234.465 χ^2/NDF:2.0/4

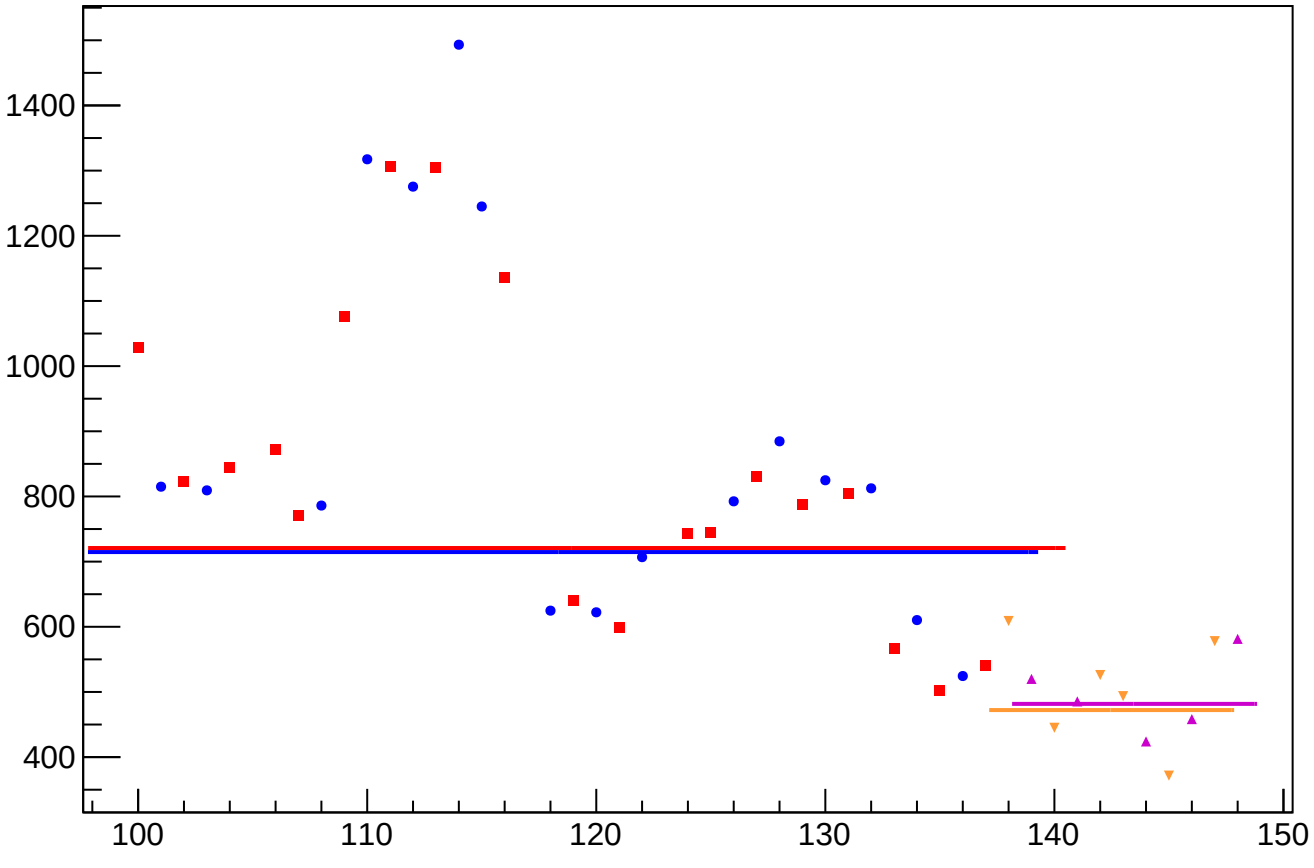
Left: -23.299+/-162.769 χ^2/NDF: 17.5/10

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -388.237+/-178.298 χ^2/NDF:15.1/20

Out: 138.733+/-174.305 χ^2/NDF:25.3/24

All: -118.786+/-124.640 χ^2/NDF: 44.9/45



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 472.216+/-0.160 χ^2/NDF:269757.0/5

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 481.697+/-0.166 χ^2/NDF:94325.6/4

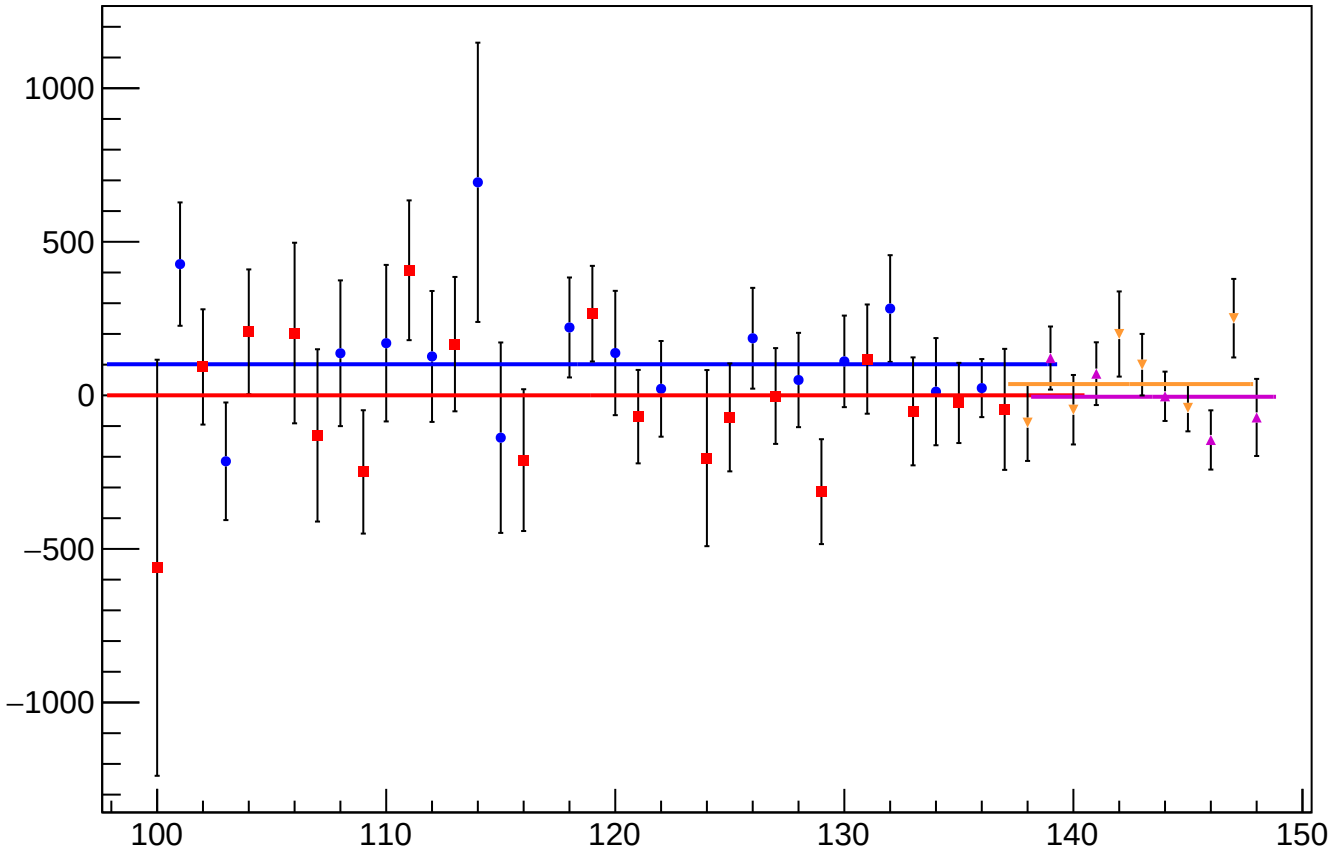
Left: 476.785+/-0.115 χ^2/NDF: 365776.9/10

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 579.945+/-0.126 χ^2/NDF:1803258.7/20

Out: 573.147+/-0.123 χ^2/NDF:2269770.6/24

All: 576.469+/-0.088 χ^2/NDF: 4074516.0/45



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 36.723+/-43.576 χ^2/NDF:7.2/5

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.603+/-44.002 χ^2/NDF:4.5/4

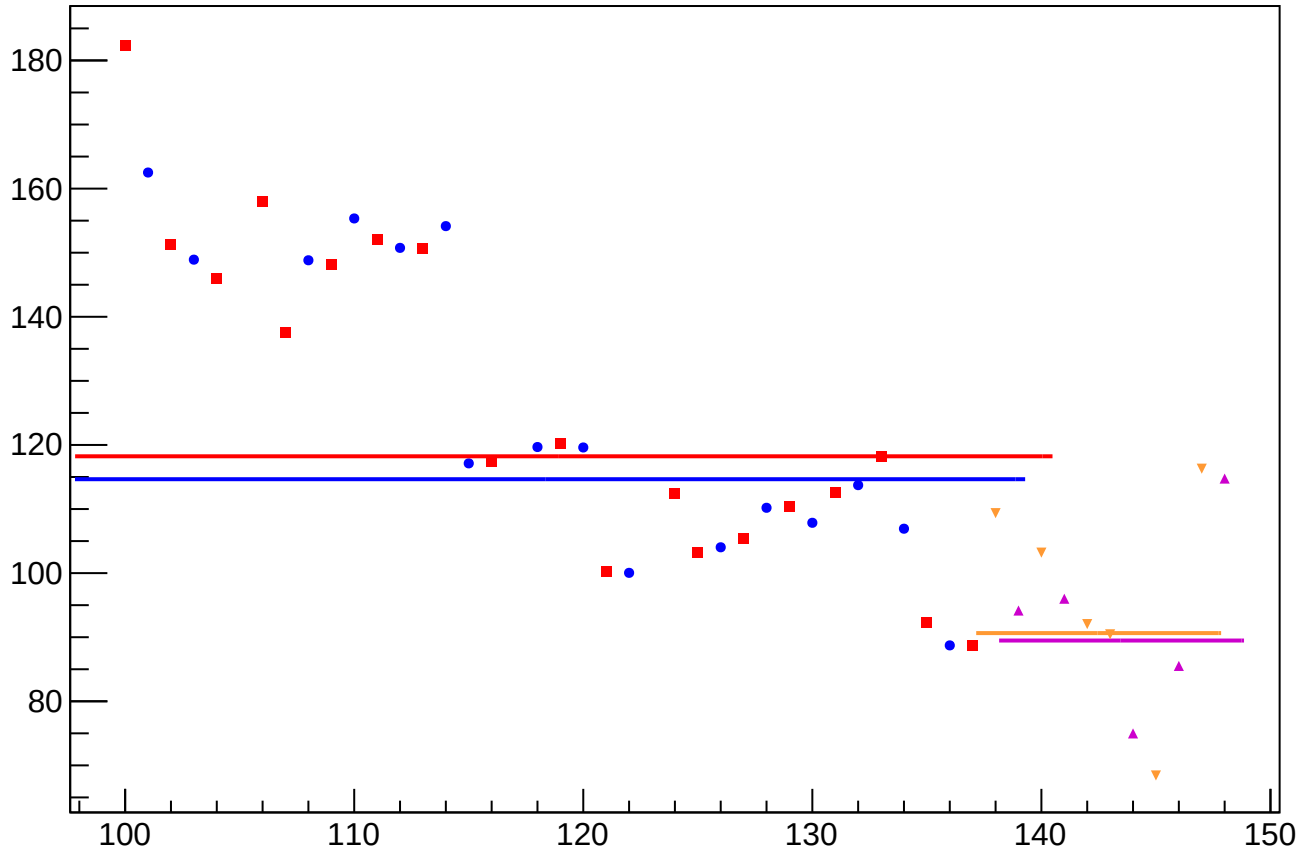
Left: 16.261+/-30.962 χ^2/NDF: 12.1/10

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 48.933+/-30.939 χ^2/NDF:18.4/20

Out: 18.616+/-30.974 χ^2/NDF:24.1/24

All: 33.792+/-21.889 χ^2/NDF: 43.0/45



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 90.642+/-0.031 χ^2/NDF:319514.4/5

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 89.482+/-0.031 χ^2/NDF:161894.2/4

Left: 90.068+/-0.022 χ^2/NDF: 482110.9/10

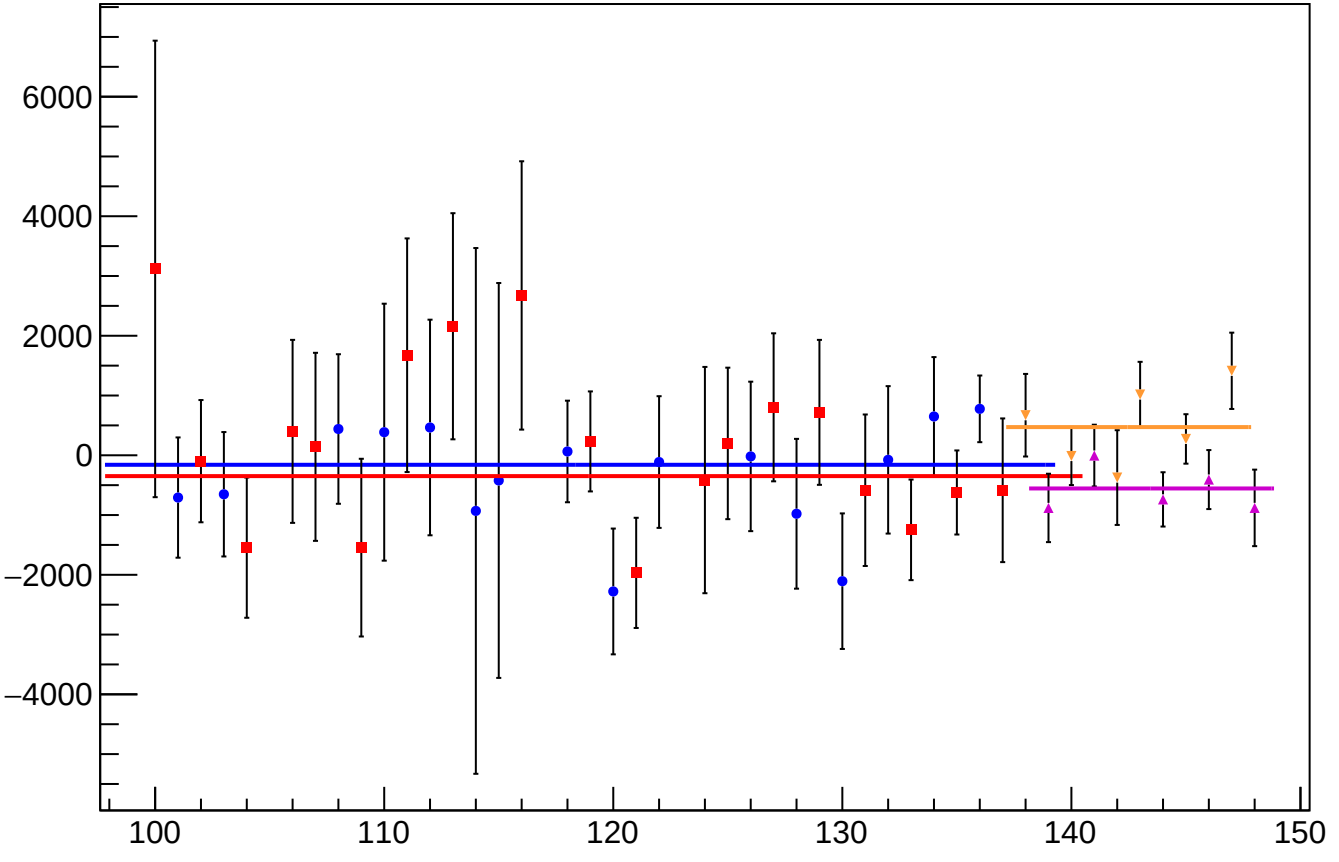
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.210+/-0.022 χ^2/NDF:1024824.4/20

Out: 104.292+/-0.022 χ^2/NDF:1199545.9/24

All: 103.250+/-0.015 χ^2/NDF: 2228893.3/45

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: 471.619+/-226.140 χ^2/NDF:5.6/5

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -555.332+/-234.465 χ^2/NDF:2.0/4

Left: -23.300+/-162.769 χ^2/NDF: 17.5/10

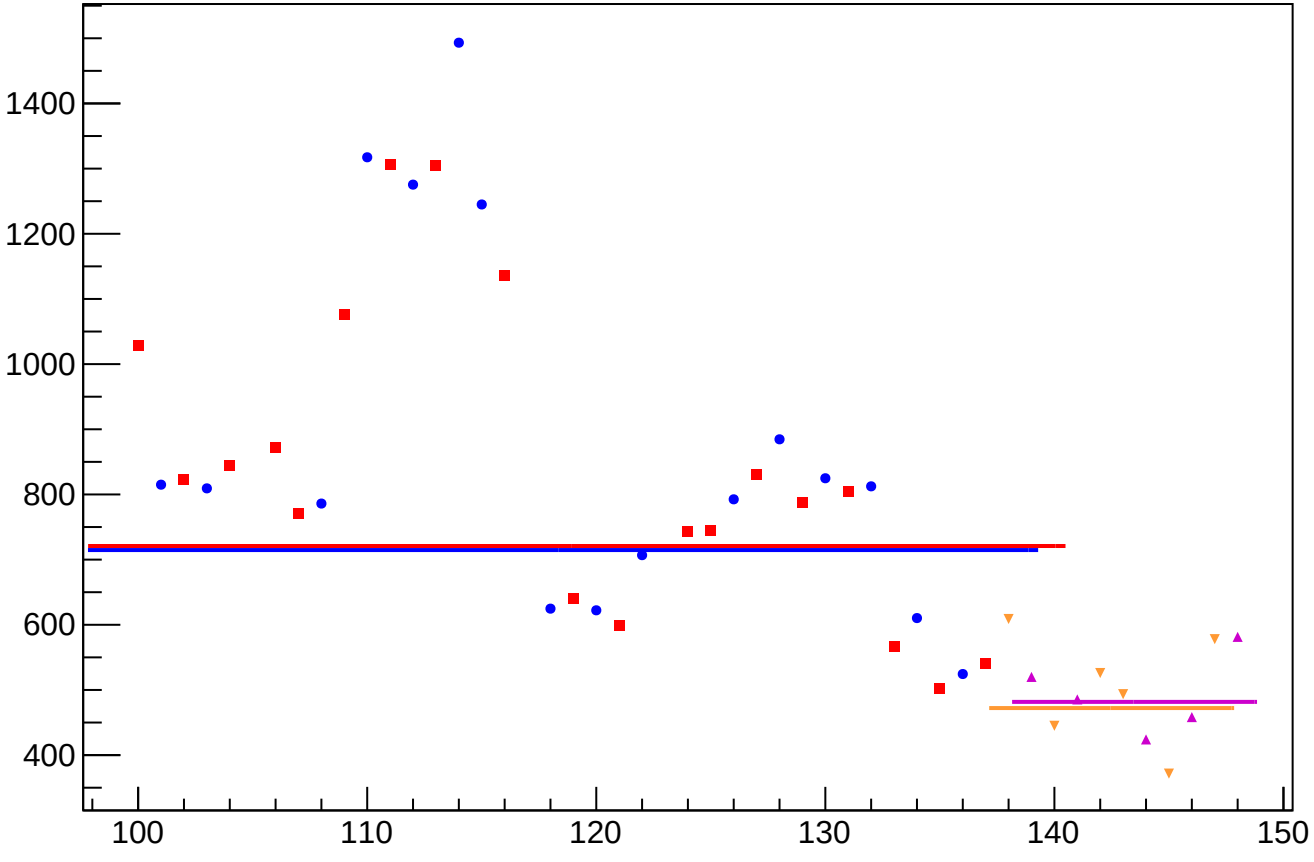
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -388.237+/-178.298 χ^2/NDF:15.1/20

Out: 138.732+/-174.305 χ^2/NDF:25.3/24

All: -118.786+/-124.640 χ^2/NDF: 44.9/45

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 472.216+/-0.160 χ^2/NDF:269761.6/5

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 481.697+/-0.166 χ^2/NDF:94326.9/4

Left: 476.785+/-0.115 χ^2/NDF: 365782.9/10

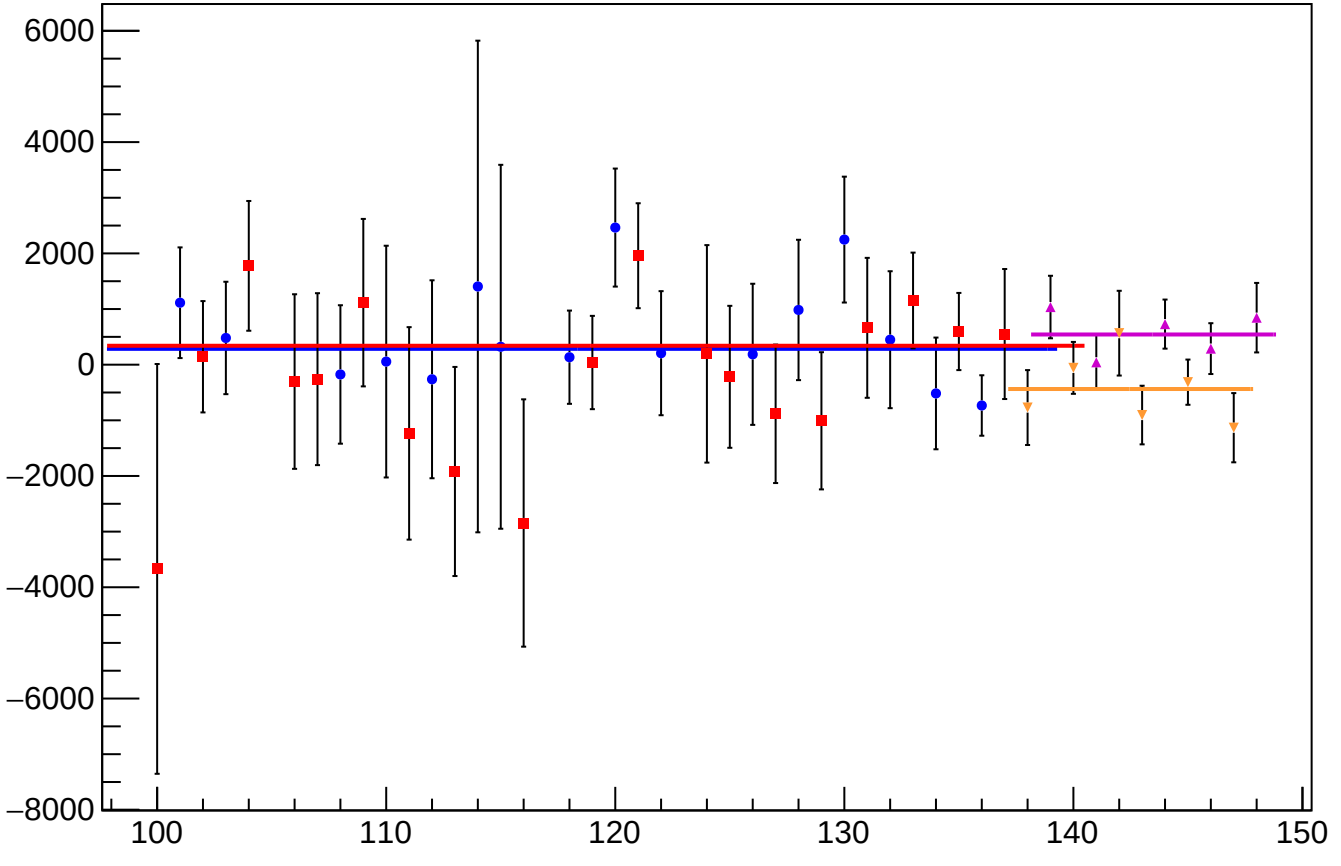
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 579.946+/-0.126 χ^2/NDF:1803251.7/20

Out: 573.147+/-0.123 χ^2/NDF:2269767.5/24

All: 576.469+/-0.088 χ^2/NDF: 4074505.9/45

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -437.216+/-219.385 χ^2/NDF:4.8/5

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 542.667+/-224.557 χ^2/NDF:2.5/4

Left: 41.311+/-156.925 χ^2/NDF: 17.0/10

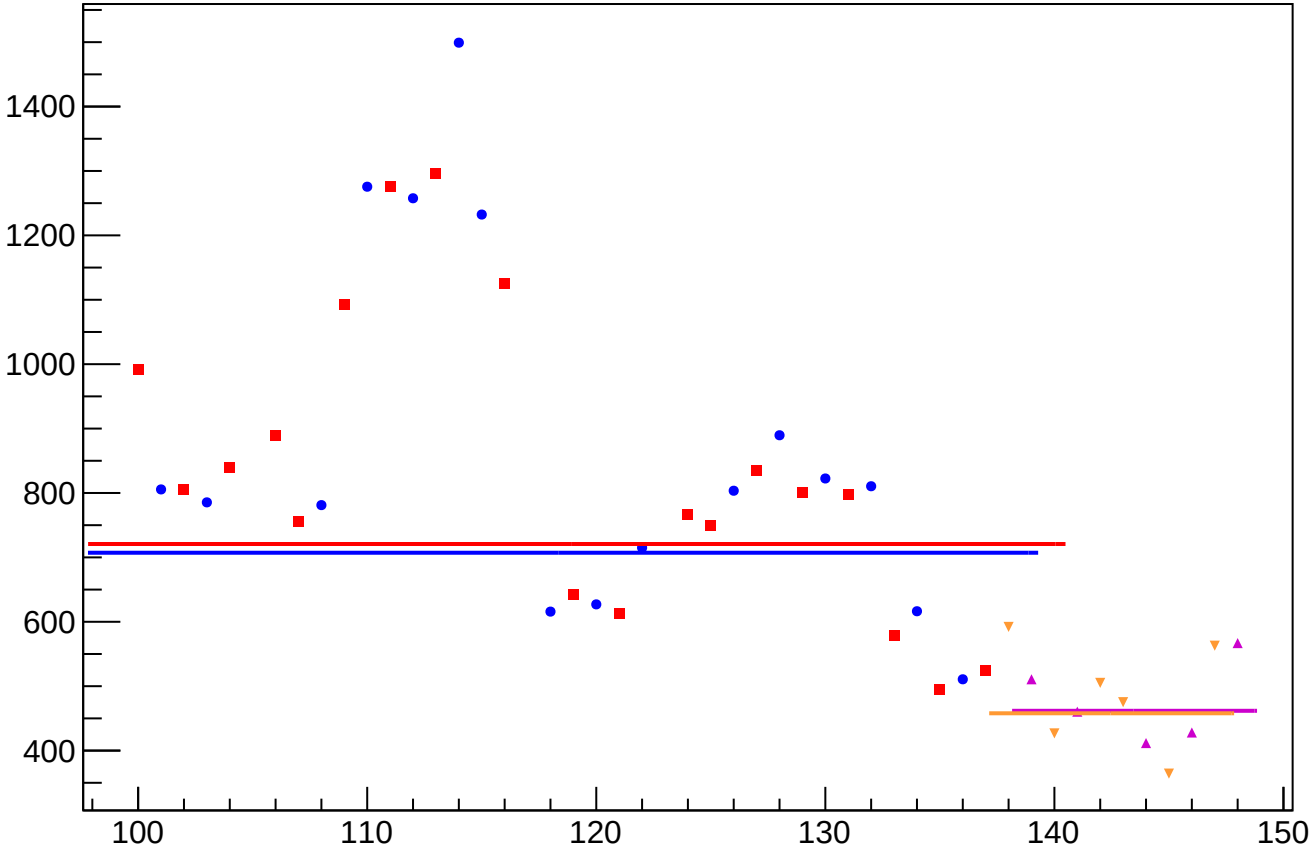
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 438.115+/-173.154 χ^2/NDF:15.9/20

Out: -133.054+/-171.157 χ^2/NDF:23.8/24

All: 149.218+/-121.726 χ^2/NDF: 45.1/45

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 457.923+/-0.155 χ^2/NDF:261516.6/5

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 461.786+/-0.159 χ^2/NDF:108548.5/4

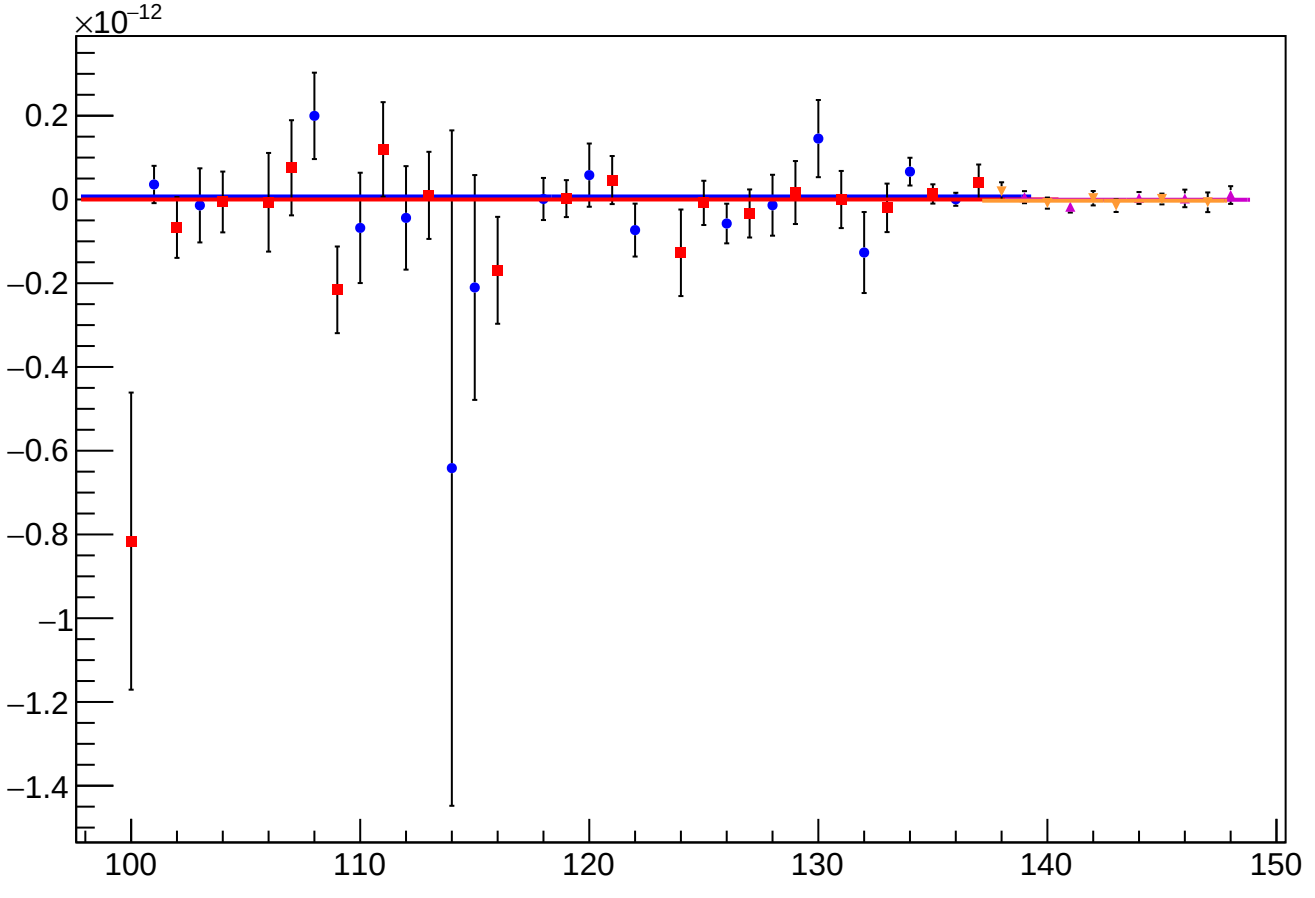
Left: 459.810+/-0.111 χ^2/NDF: 370368.0/10

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 561.286+/-0.122 χ^2/NDF:1973765.7/20

Out: 560.788+/-0.121 χ^2/NDF:2400365.3/24

All: 561.034+/-0.086 χ^2/NDF: 4374139.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

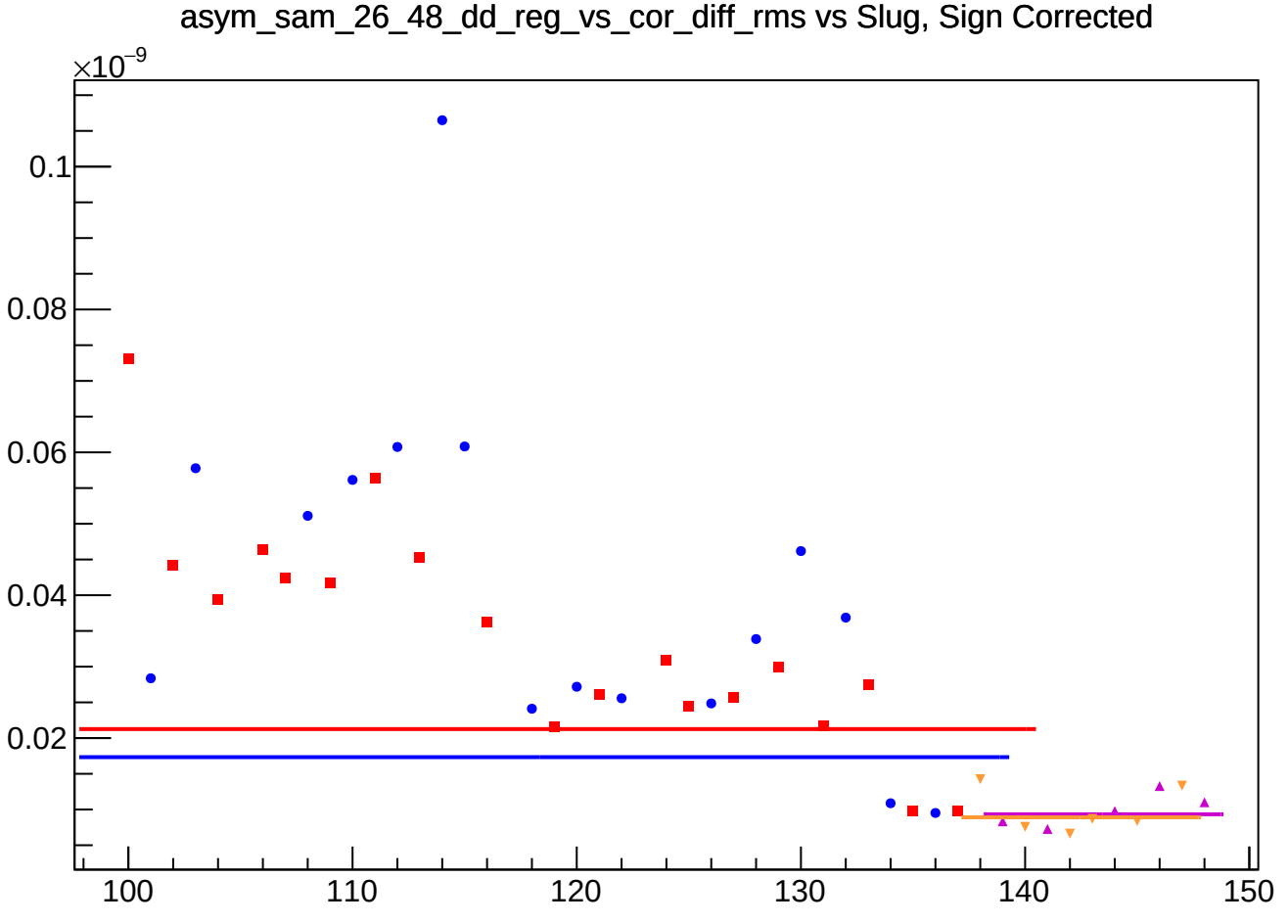
Left: -0.000+/-0.000 χ^2/NDF: 4.0/10

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:19.6/20

Out: -0.000+/-0.000 χ^2/NDF:19.9/24

All: -0.000+/-0.000 χ^2/NDF: 39.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:249399.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:137491.6/4

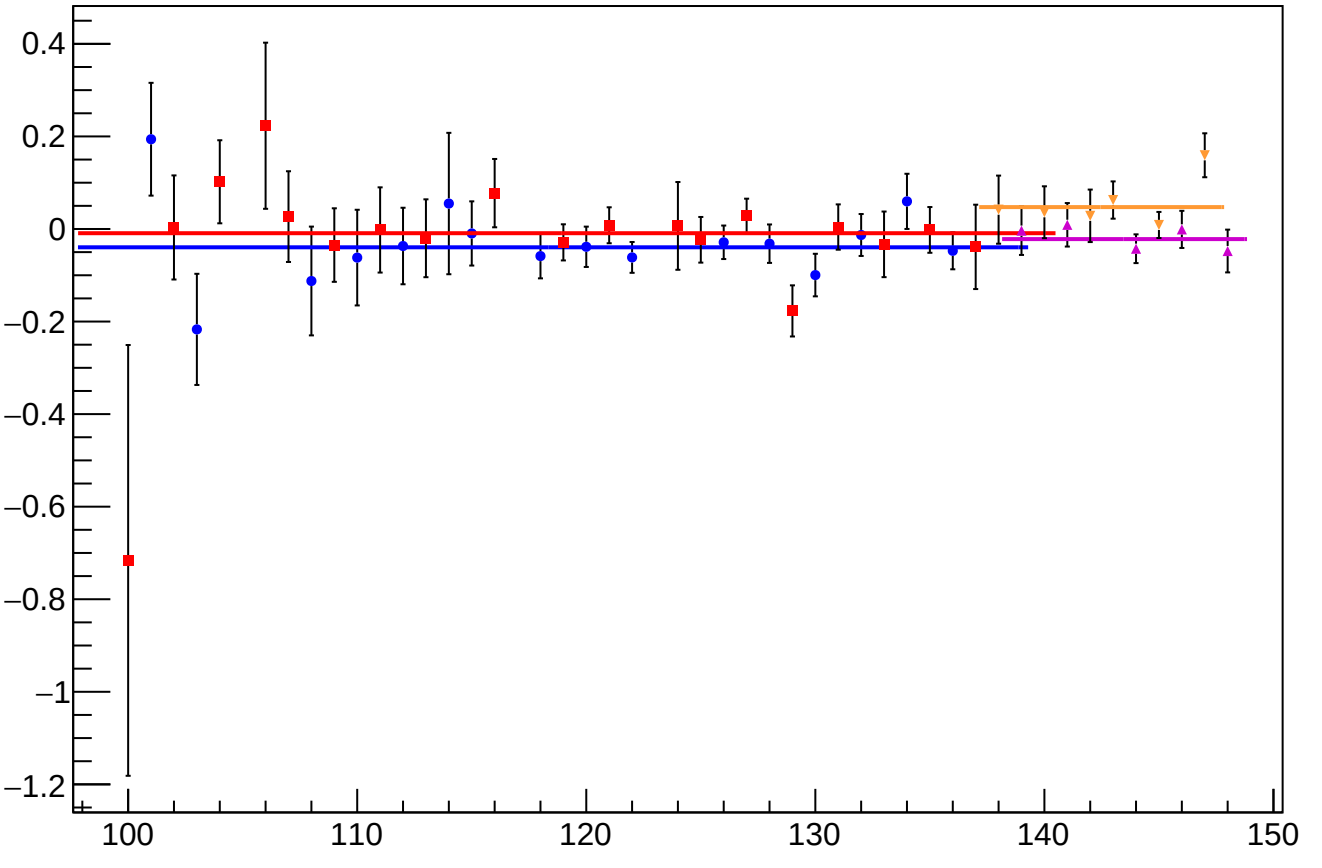
Left: 0.000+/-0.000 χ^2/NDF: 390787.5/10

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3203404.8/20

Out: 0.000+/-0.000 χ^2/NDF:3293727.8/24

All: 0.000+/-0.000 χ^2/NDF: 6499539.4/45



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.018 χ^2/NDF:1.6/4

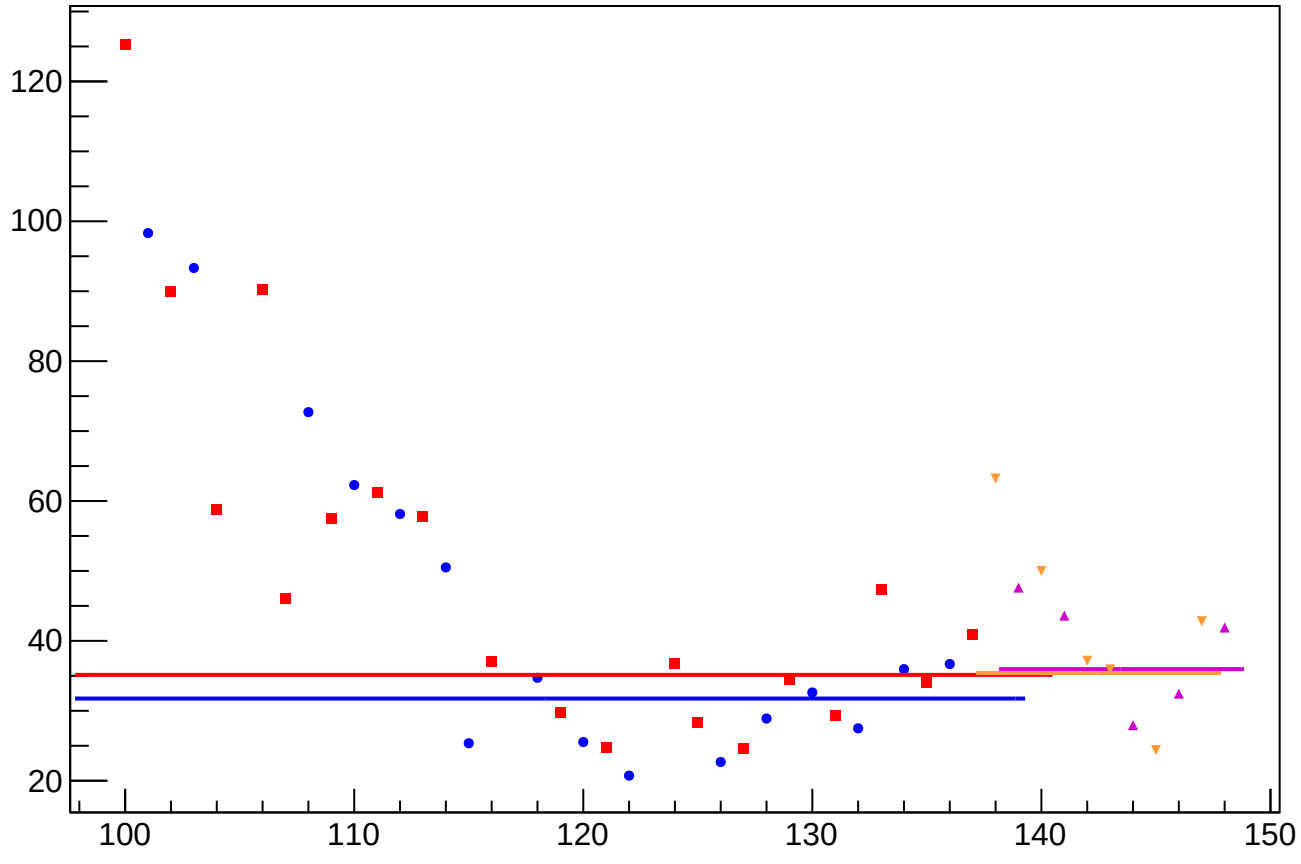
Left: 0.014+/-0.013 χ^2/NDF: 16.6/10

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.011+/-0.008 χ^2/NDF: 55.8/45



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.408+/-0.013 χ^2/NDF:778604.5/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

Left: 35.677+/-0.009 χ^2/NDF: 1112431.5/10

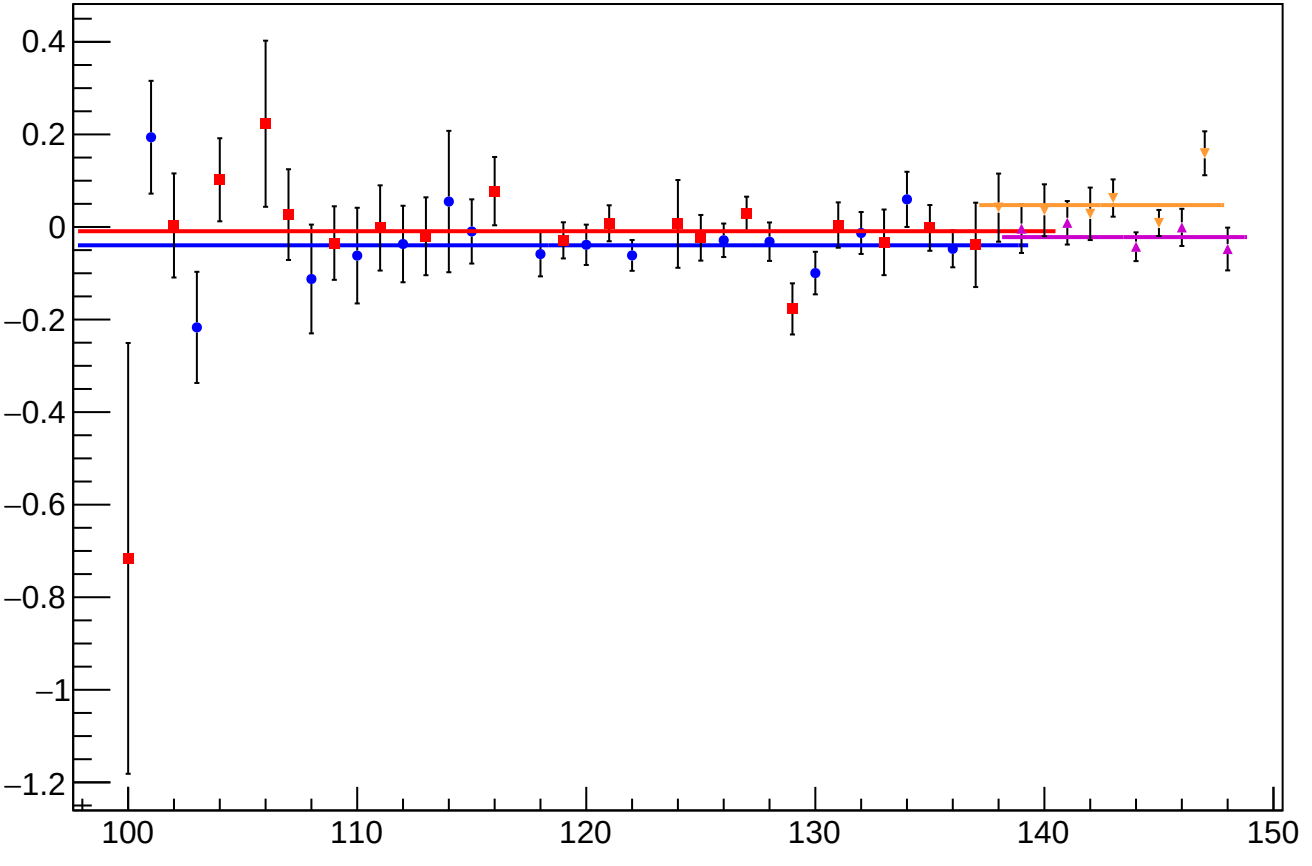
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.176+/-0.008 χ^2/NDF:2654335.9/20

Out: 35.243+/-0.008 χ^2/NDF:2623557.6/24

All: 34.173+/-0.005 χ^2/NDF: 5313799.8/45

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.018 χ^2/NDF:1.6/4

Left: 0.014+/-0.013 χ^2/NDF: 16.6/10

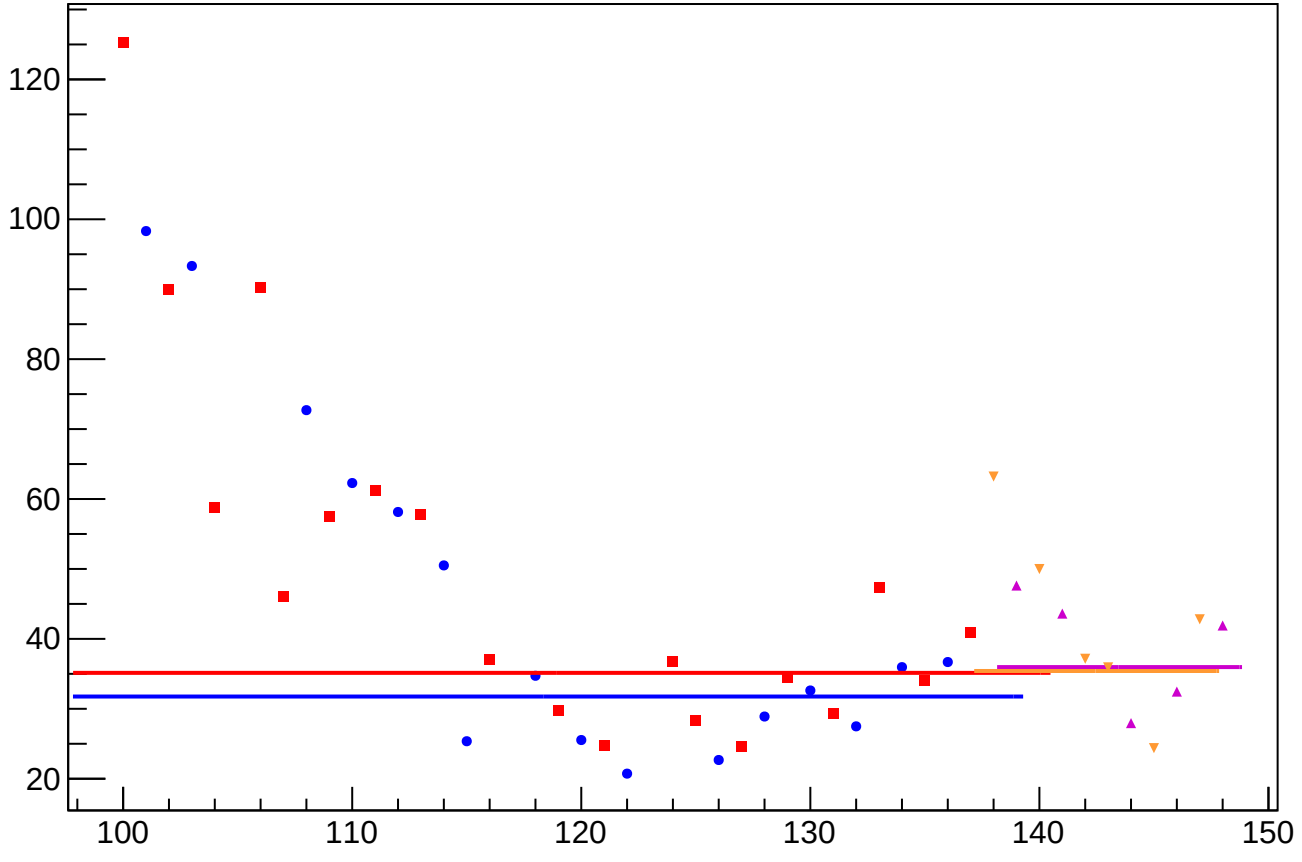
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.011+/-0.008 χ^2/NDF: 55.8/45

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.408+/-0.013 χ^2/NDF:778604.5/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

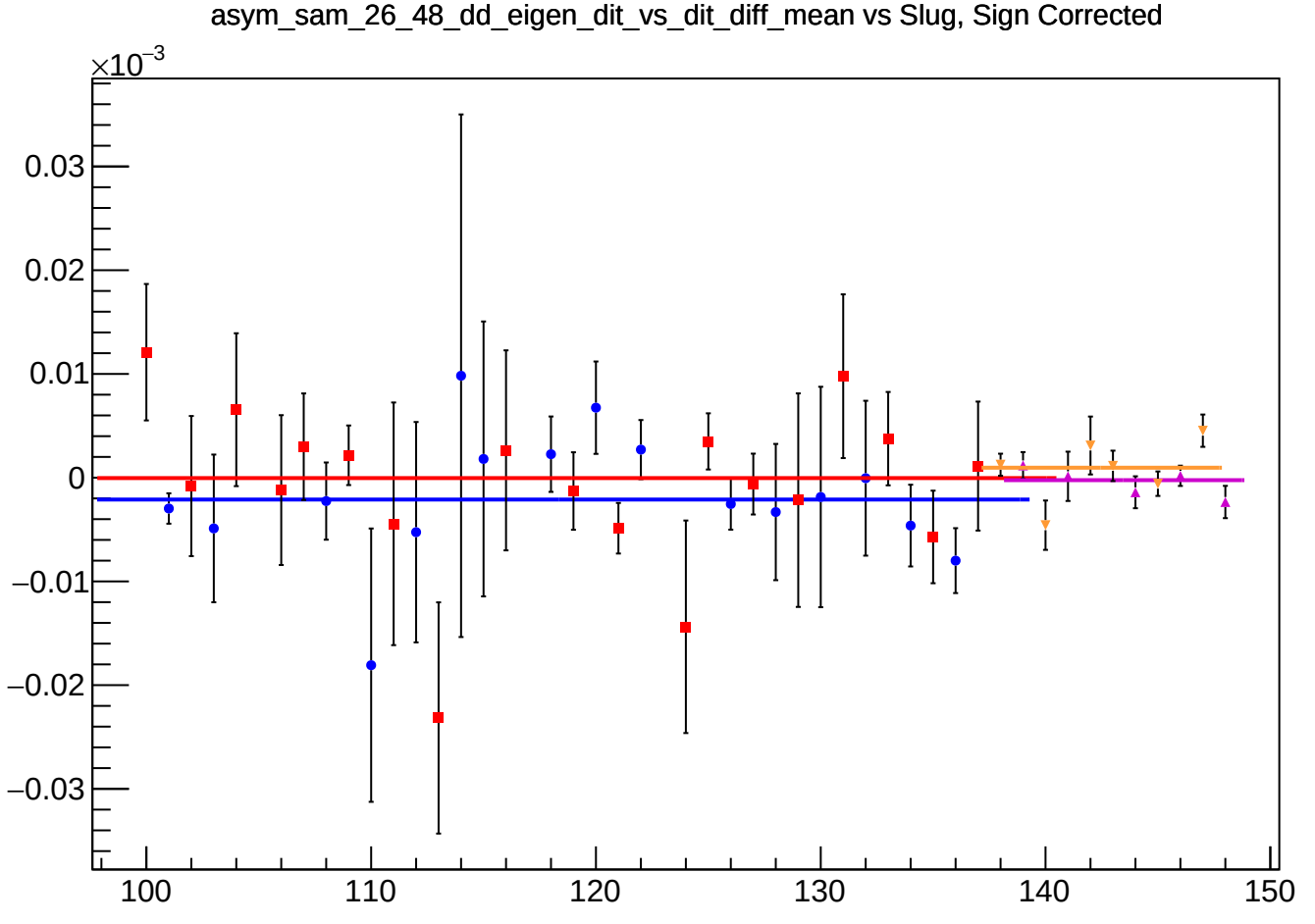
Left: 35.677+/-0.009 χ^2/NDF: 1112431.5/10

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.176+/-0.008 χ^2/NDF:2654335.9/20

Out: 35.243+/-0.008 χ^2/NDF:2623557.6/24

All: 34.173+/-0.005 χ^2/NDF: 5313799.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

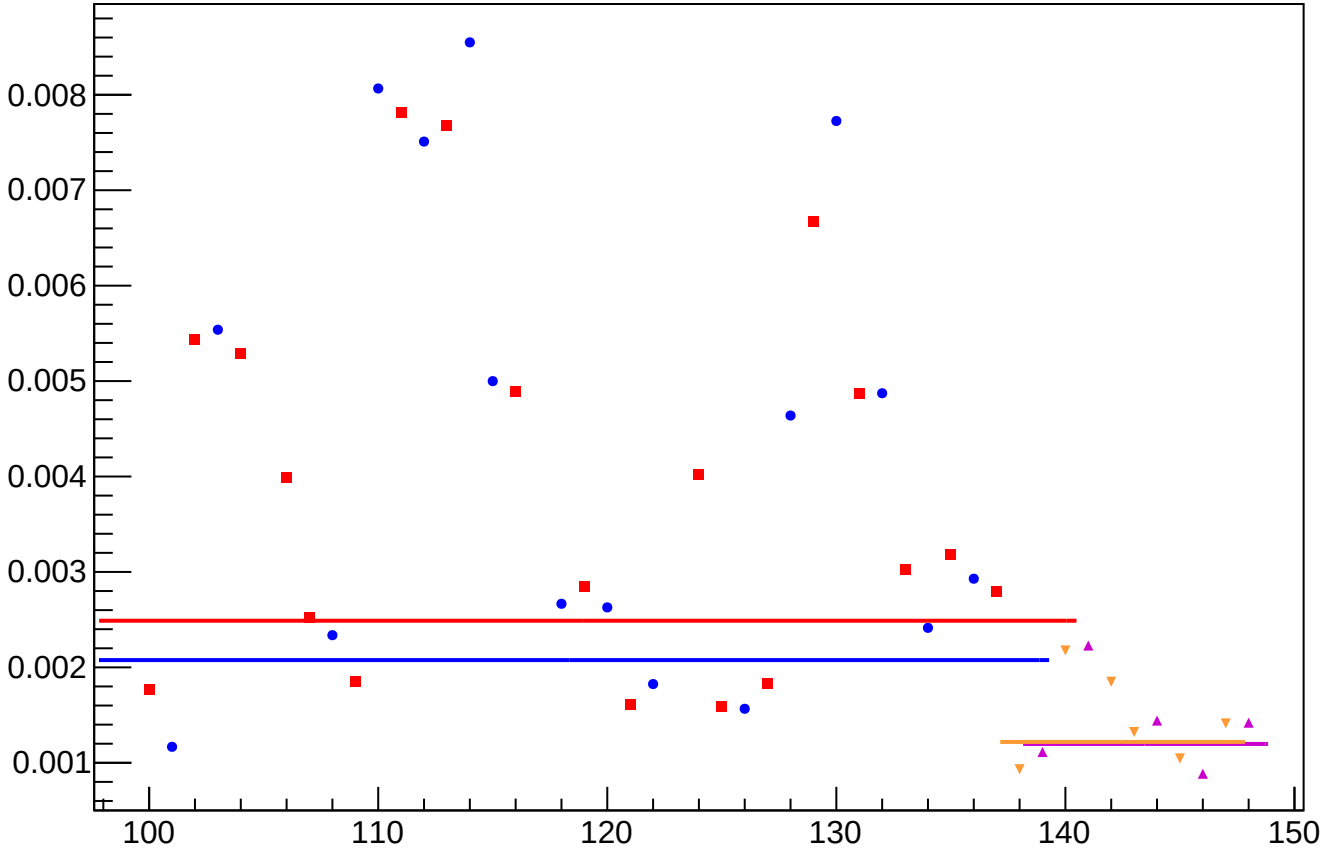
Left: 0.000+/-0.000 χ^2/NDF: 18.8/10

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:21.4/20

Out: 0.000+/-0.000 χ^2/NDF:35.2/24

All: -0.000+/-0.000 χ^2/NDF: 61.1/45



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:656674.4/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:680930.0/4

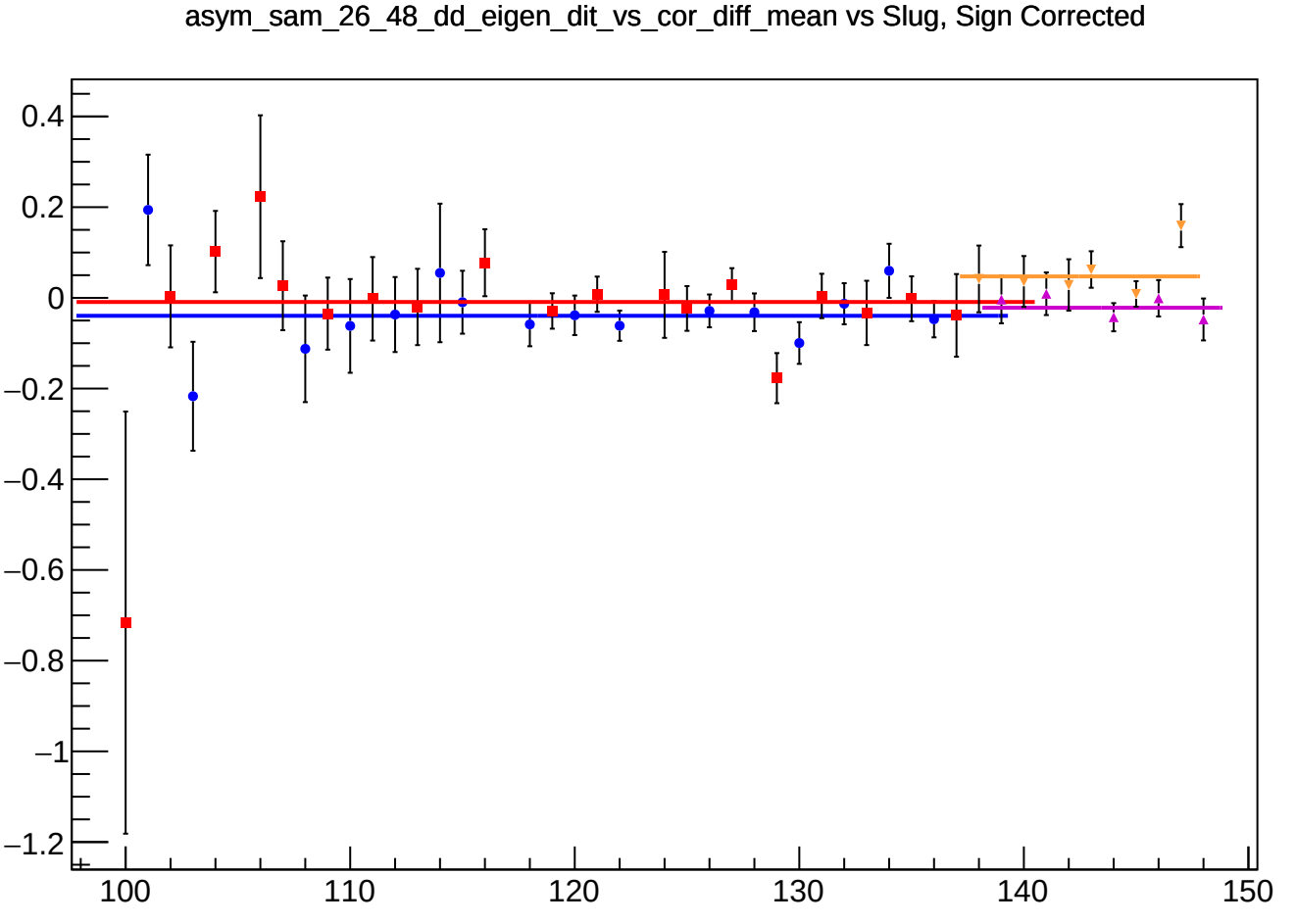
Left: 0.001+/-0.000 χ^2/NDF: 1338818.0/10

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

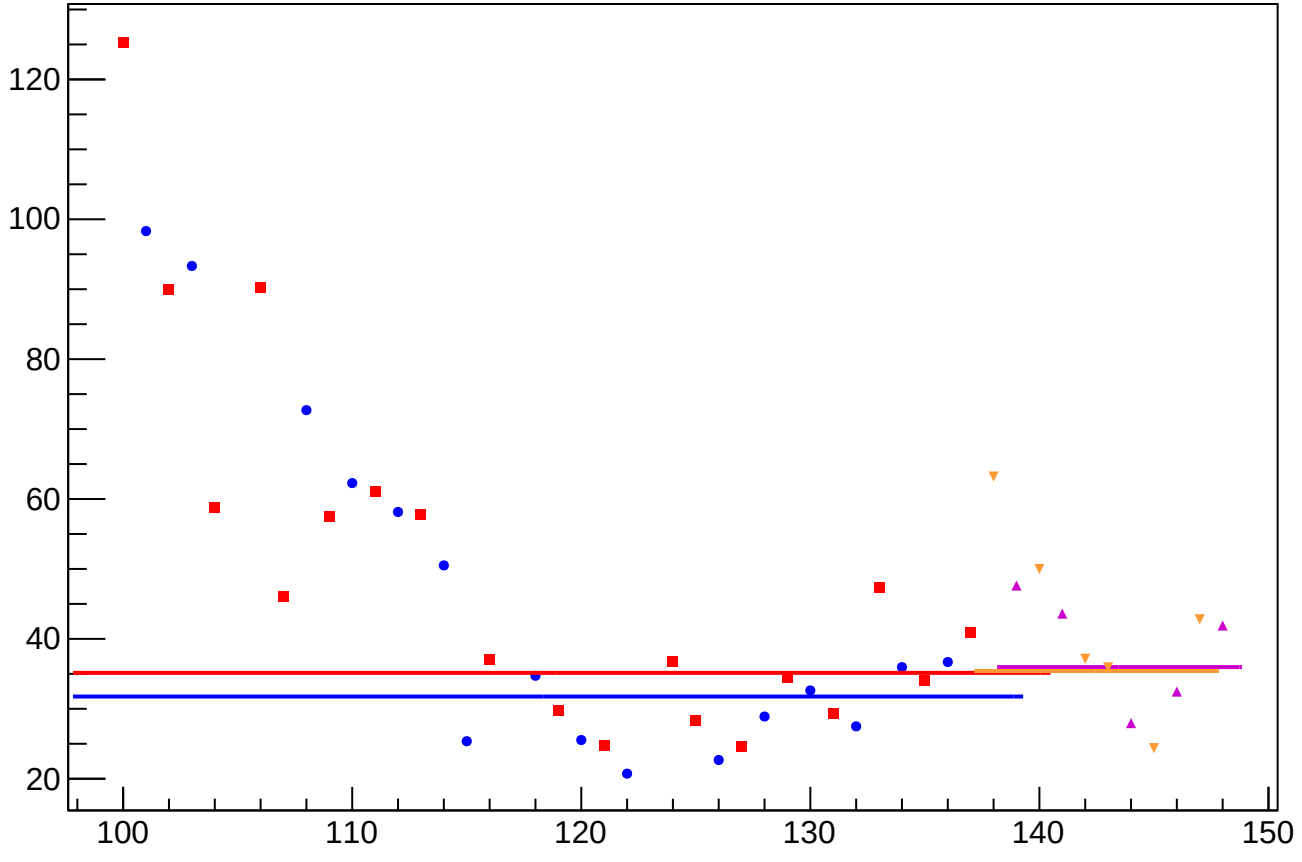
In: 0.001+/-0.000 χ^2/NDF:5881896.9/20

Out: 0.002+/-0.000 χ^2/NDF:5982741.0/24

All: 0.002+/-0.000 χ^2/NDF: 11879085.0/45


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
110
120
130
140
150
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.047+/-0.018 χ²/NDF:7.7/5
Right Out: -0.009+/-0.014 χ²/NDF: 18.3/18
Left In: -0.022+/-0.018 χ²/NDF:1.6/4
Left: 0.014+/-0.013 χ²/NDF: 16.6/10
Right: -0.025+/-0.010 χ²/NDF: 33.2/34
In: -0.034+/-0.011 χ²/NDF:14.6/20
Out: 0.013+/-0.011 χ²/NDF:32.2/24
All: -0.011+/-0.008 χ²/NDF: 55.8/45

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.408+/-0.013 χ^2/NDF:778656.0/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

Left: 35.678+/-0.009 χ^2/NDF: 1112499.6/10

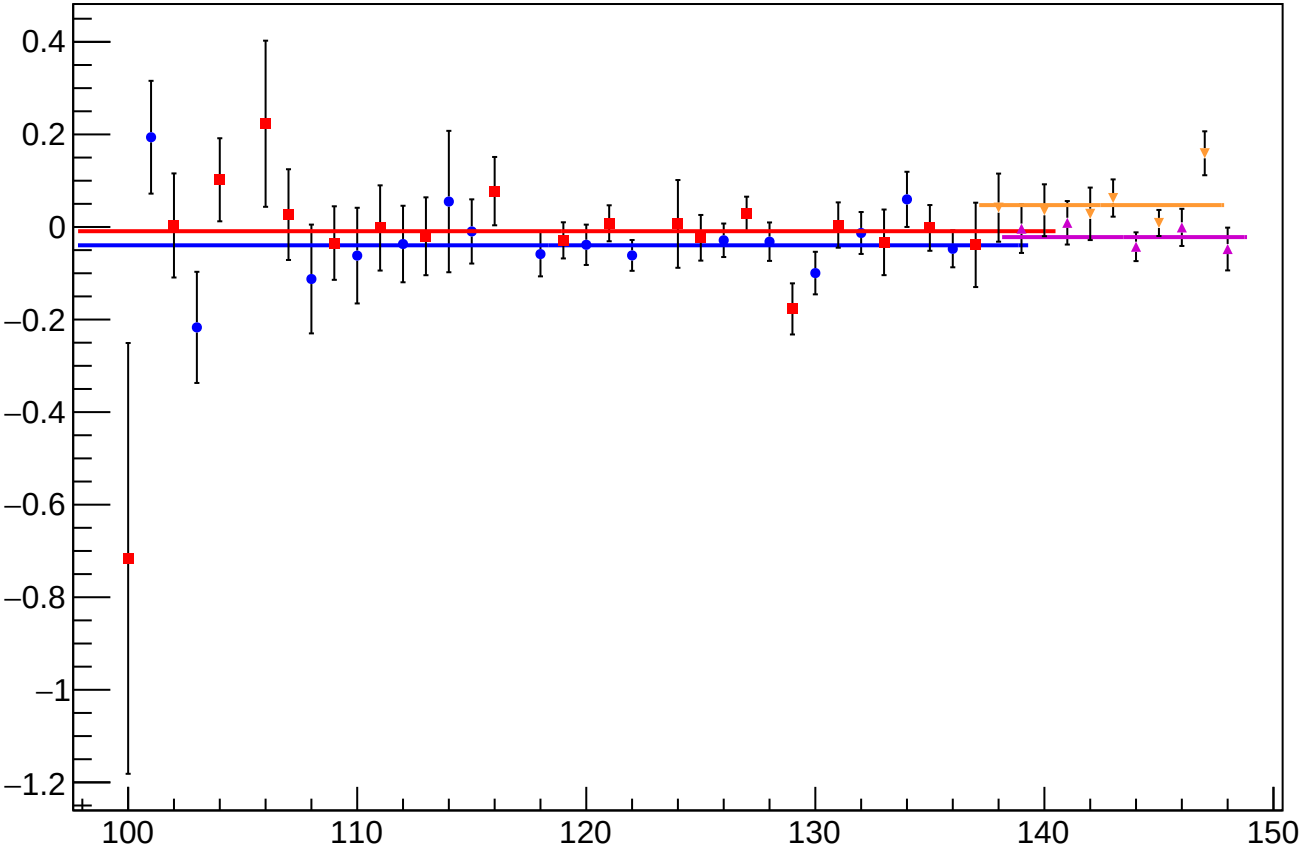
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.177+/-0.008 χ^2/NDF:2654317.4/20

Out: 35.243+/-0.008 χ^2/NDF:2623504.0/24

All: 34.173+/-0.005 χ^2/NDF: 5313725.7/45

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.018 χ^2/NDF:1.6/4

Left: 0.014+/-0.013 χ^2/NDF: 16.6/10

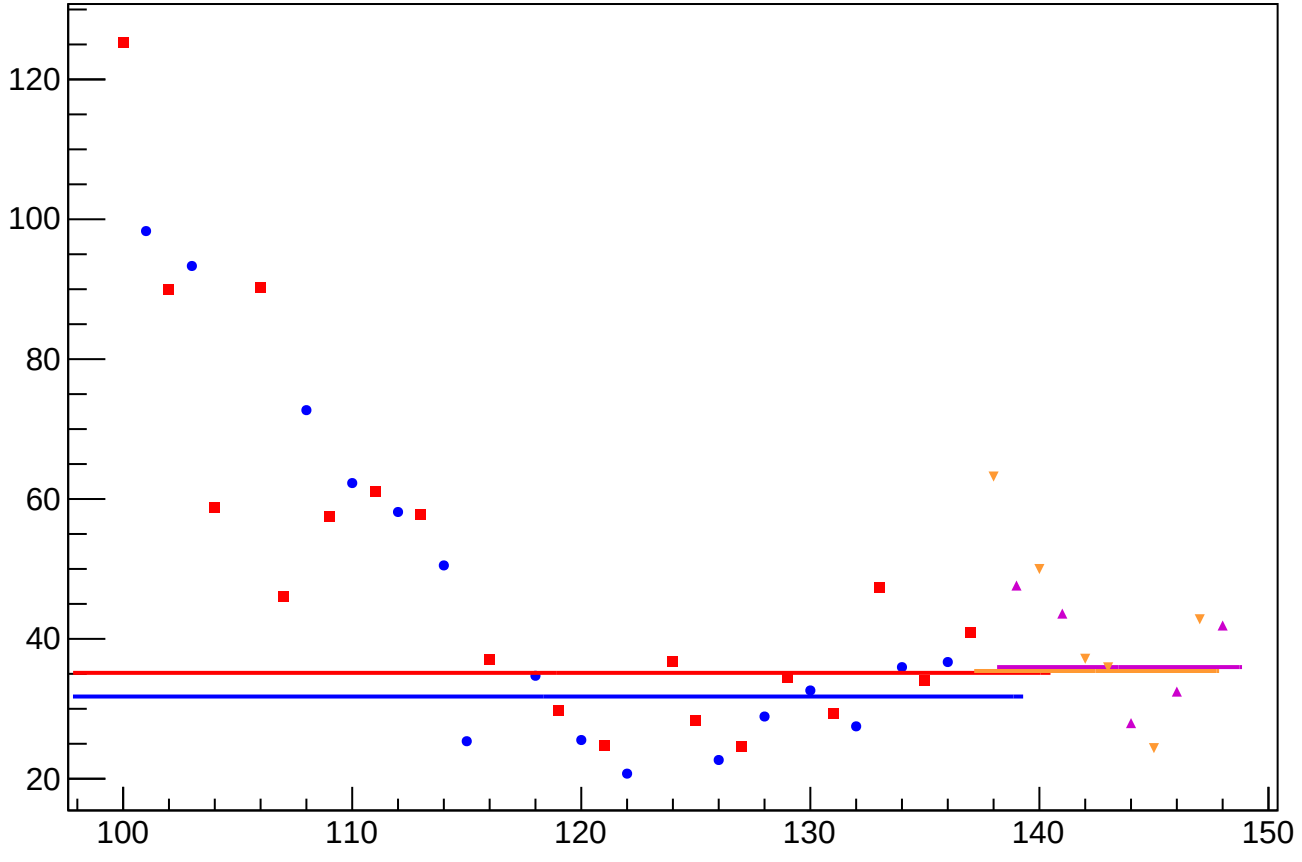
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.011+/-0.008 χ^2/NDF: 55.8/45

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: 35.408+/-0.013 χ^2/NDF:778656.0/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

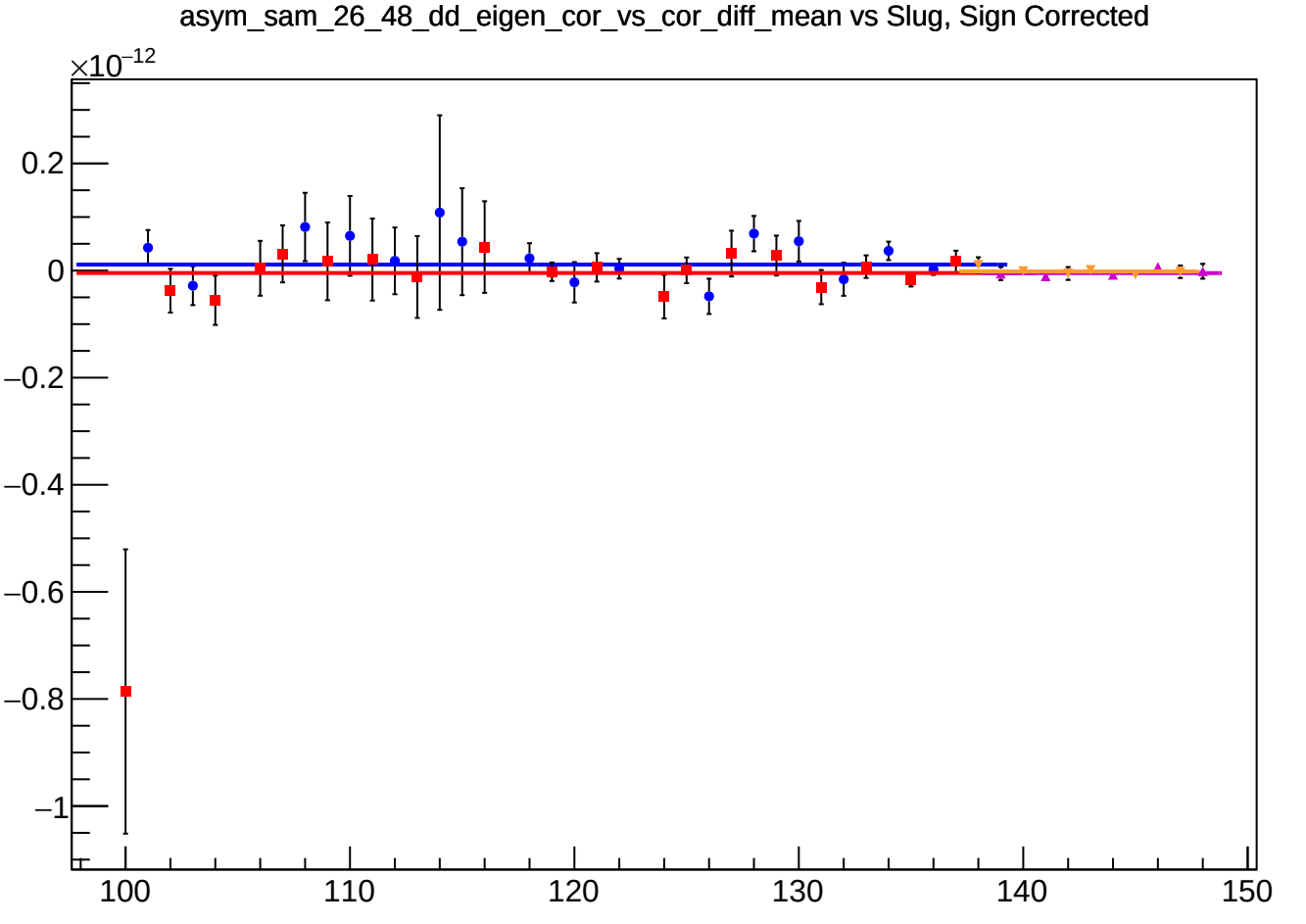
Left: 35.678+/-0.009 χ^2/NDF: 1112499.6/10

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.177+/-0.008 χ^2/NDF:2654317.4/20

Out: 35.243+/-0.008 χ^2/NDF:2623504.0/24

All: 34.173+/-0.005 χ^2/NDF: 5313725.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

Left: -0.000+/-0.000 χ^2/NDF: 4.5/10

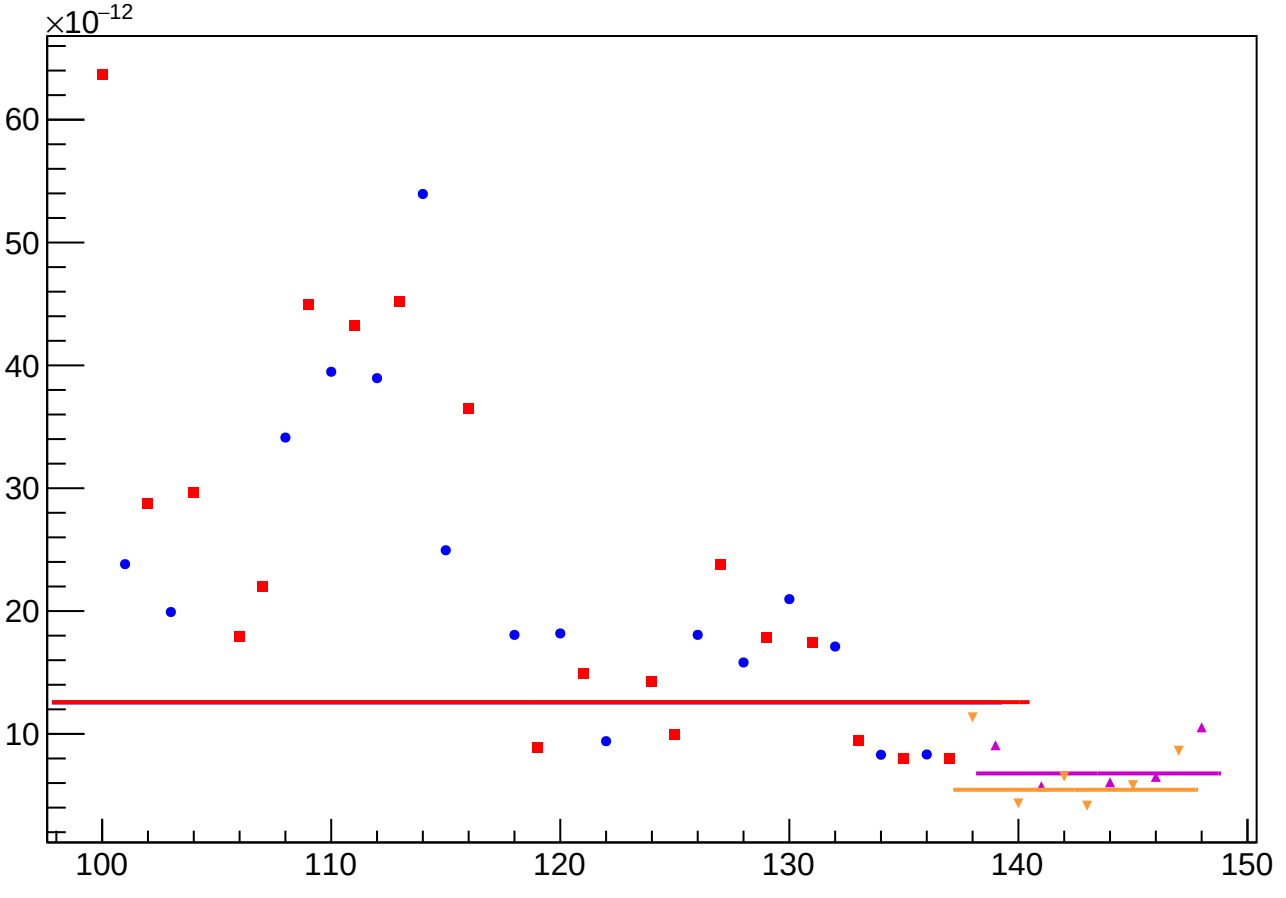
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:23.8/20

Out: -0.000+/-0.000 χ^2/NDF:19.2/24

All: -0.000+/-0.000 χ^2/NDF: 43.2/45

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:659553.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:275606.8/4

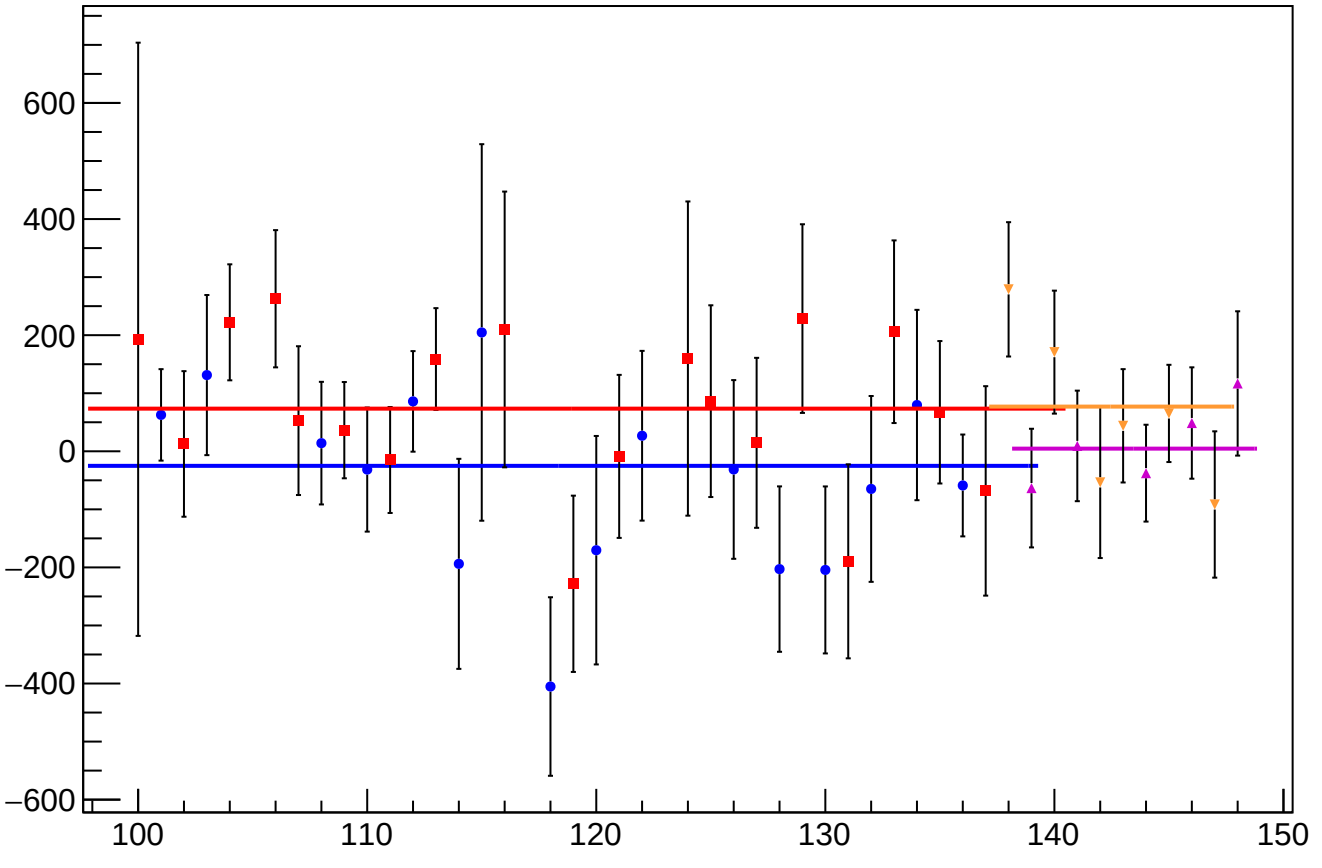
Left: 0.000+/-0.000 χ^2/NDF: 1062787.8/10

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:3588373.0/20

Out: 0.000+/-0.000 χ^2/NDF:5249627.8/24

All: 0.000+/-0.000 χ^2/NDF: 9071767.5/45



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.981+/-43.303 χ^2/NDF:6.8/5

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 4.578+/-43.715 χ^2/NDF:1.7/4

Left: 41.123+/-30.764 χ^2/NDF: 9.9/10

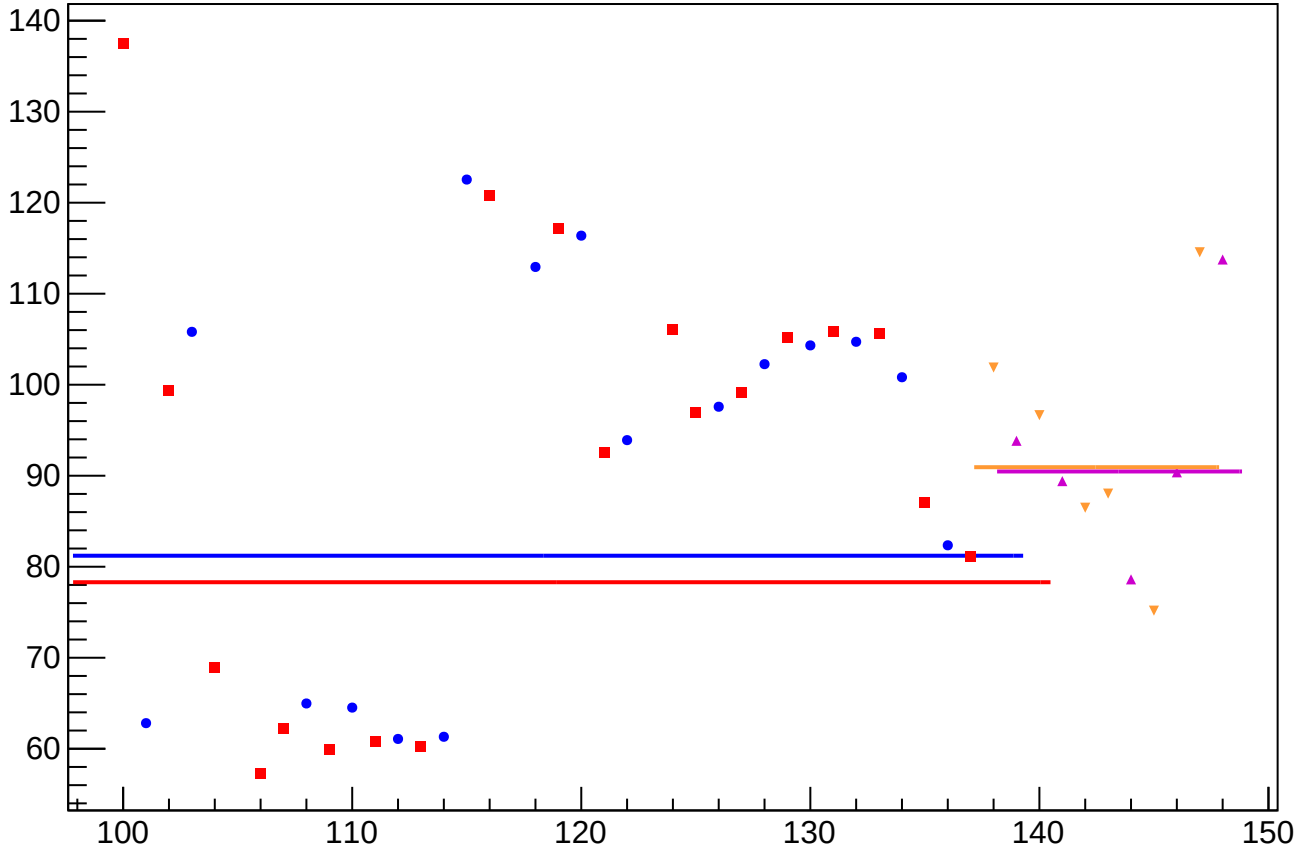
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -15.053+/-25.411 χ^2/NDF:18.2/20

Out: 74.597+/-24.624 χ^2/NDF:23.6/24

All: 31.183+/-17.684 χ^2/NDF: 48.2/45

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.3/5

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

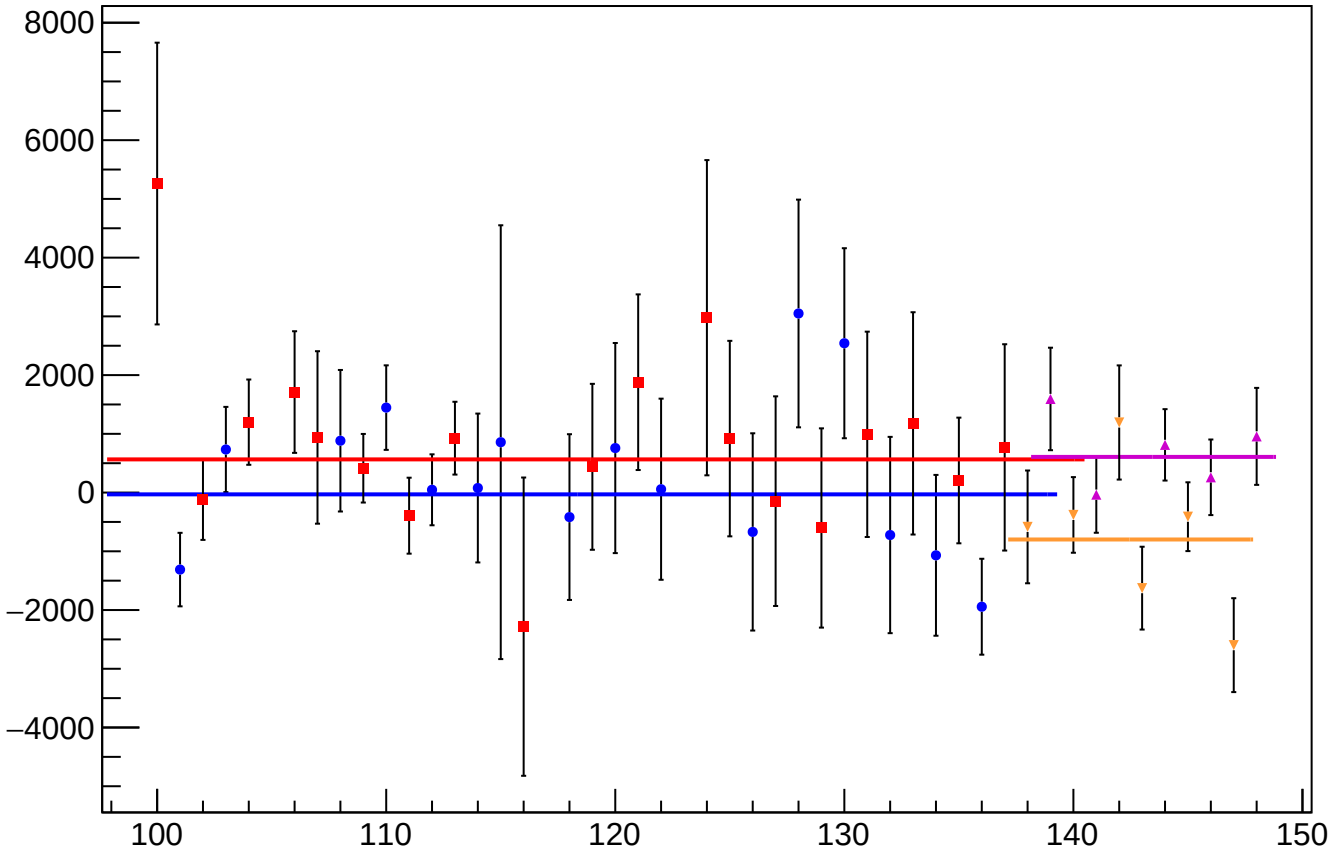
Left: 90.704+/-0.022 χ^2/NDF: 282123.2/10

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 84.338+/-0.018 χ^2/NDF:960122.3/20

Out: 82.385+/-0.017 χ^2/NDF:1218899.1/24

All: 83.330+/-0.013 χ^2/NDF: 2185114.2/45



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -798.902+/-300.868 χ^2/NDF:11.6/5

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 607.254+/-311.961 χ^2/NDF:2.8/4

Left: -121.269+/-216.562 χ^2/NDF: 24.9/10

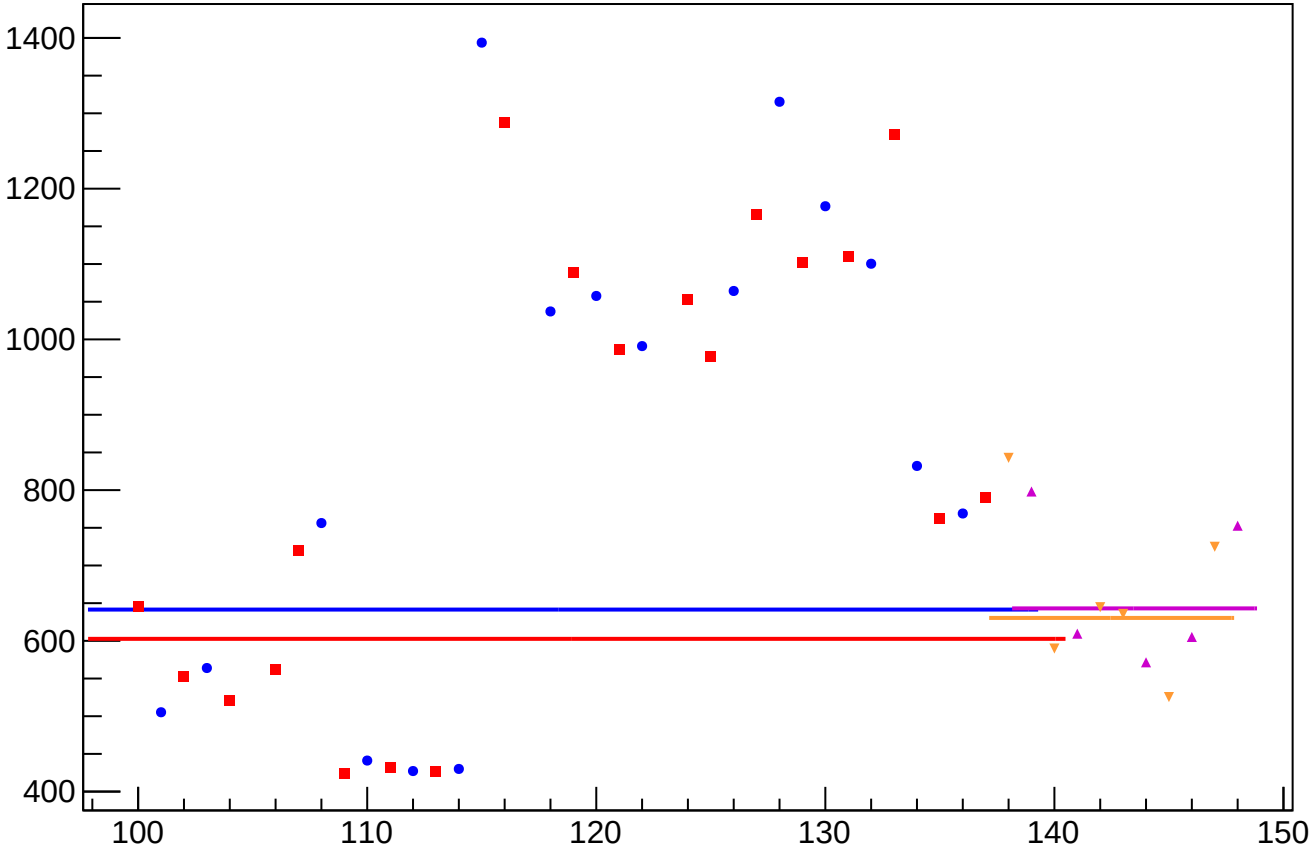
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 227.394+/-198.357 χ^2/NDF:27.2/20

Out: 38.634+/-186.897 χ^2/NDF:37.5/24

All: 127.404+/-136.027 χ^2/NDF: 65.2/45

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 630.410+/-0.213 χ^2/NDF:198590.0/5

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 643.065+/-0.221 χ^2/NDF:138473.6/4

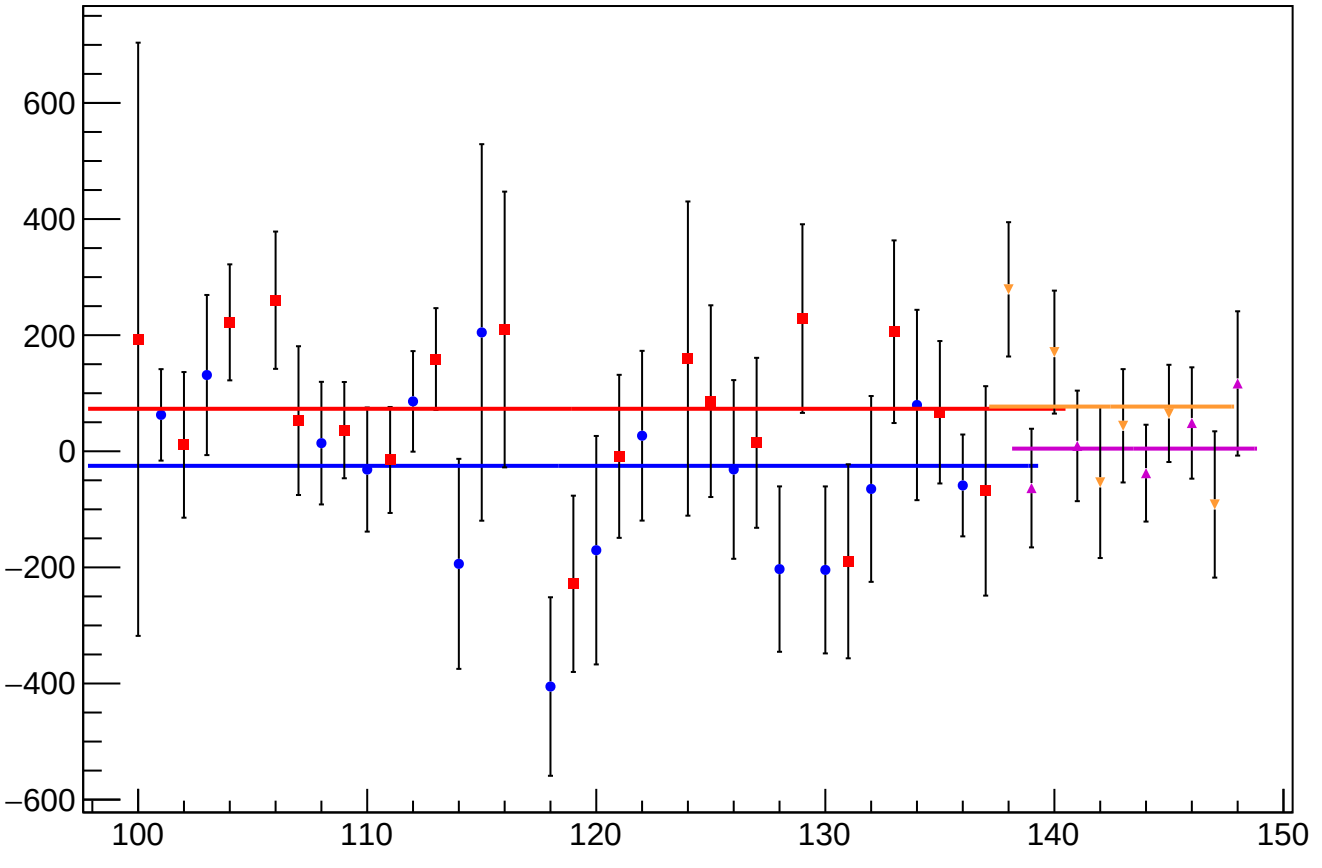
Left: 636.509+/-0.153 χ^2/NDF: 338768.8/10

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 642.132+/-0.140 χ^2/NDF:2013494.5/20

Out: 613.364+/-0.132 χ^2/NDF:2279351.2/24

All: 626.893+/-0.096 χ^2/NDF: 4315129.5/45



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.996+/-43.303 χ^2/NDF:6.8/5

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 4.586+/-43.715 χ^2/NDF:1.7/4

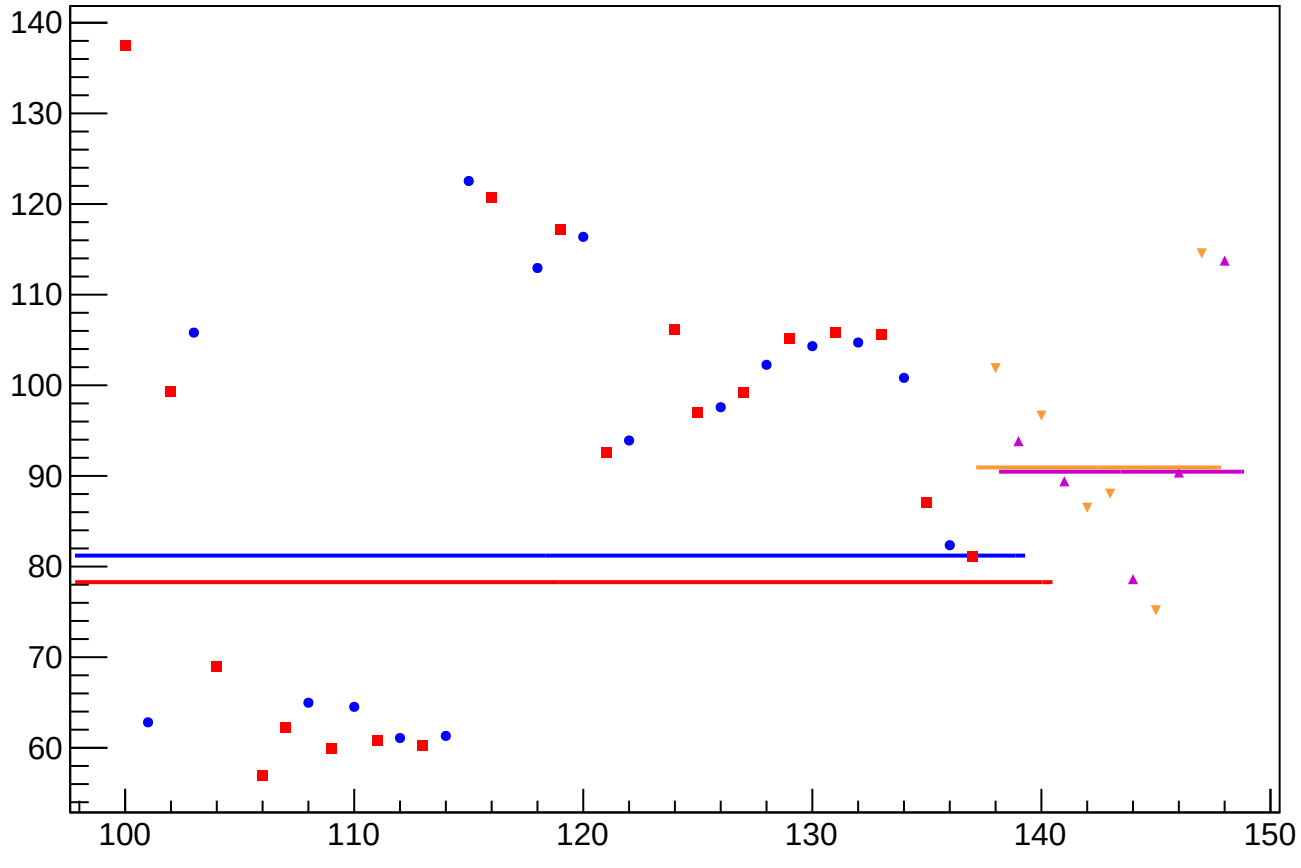
Left: 41.134+/-30.764 χ^2/NDF: 9.9/10

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -15.053+/-25.411 χ^2/NDF:18.2/20

Out: 74.423+/-24.625 χ^2/NDF:23.5/24

All: 31.091+/-17.684 χ^2/NDF: 48.1/45



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.2/5

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

Left: 90.704+/-0.022 χ^2/NDF: 282123.2/10

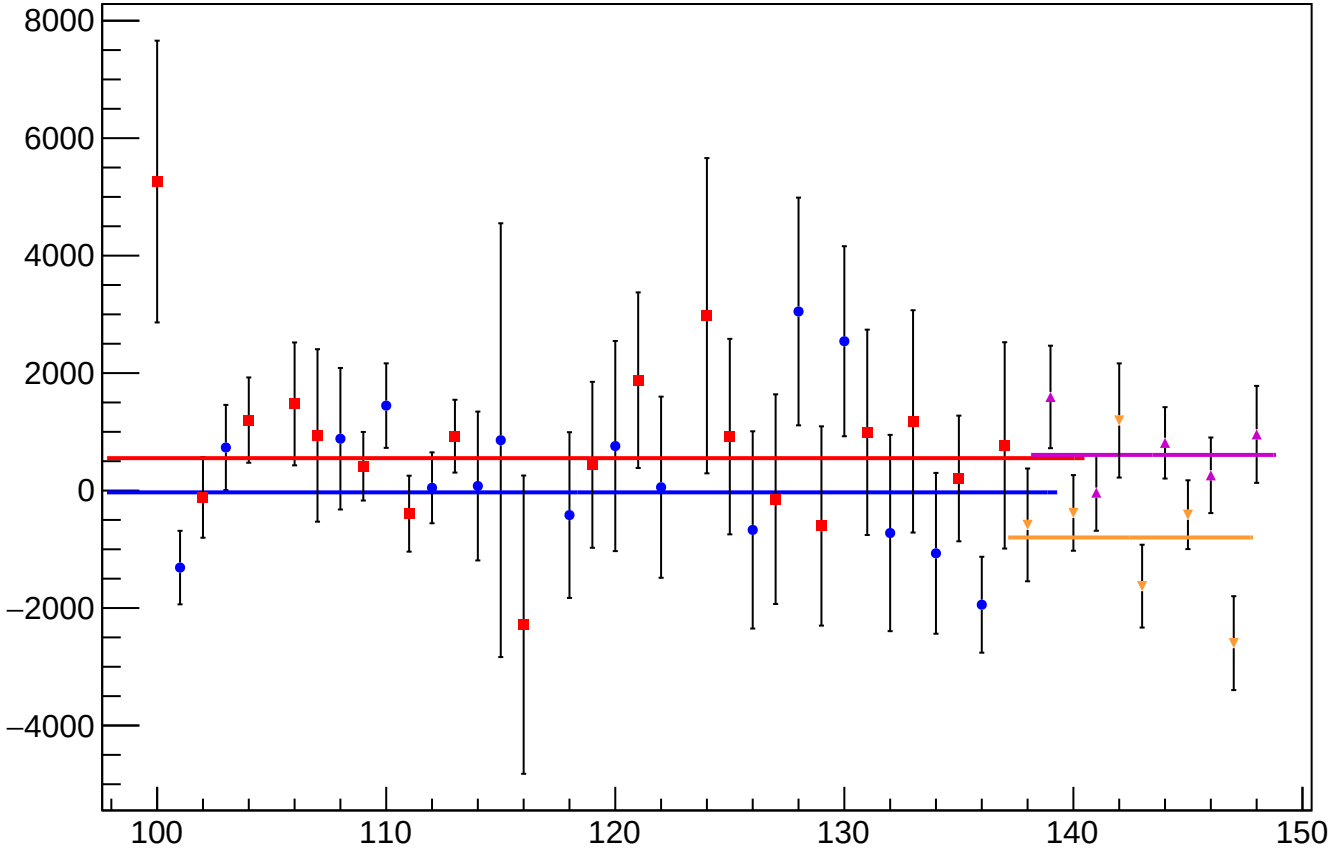
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 84.338+/-0.018 χ^2/NDF:960124.4/20

Out: 82.372+/-0.017 χ^2/NDF:1221373.3/24

All: 83.324+/-0.013 χ^2/NDF: 2187667.2/45

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -798.886+/-300.868 χ^2/NDF:11.6/5

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 607.263+/-311.962 χ^2/NDF:2.8/4

Left: -121.257+/-216.562 χ^2/NDF: 24.9/10

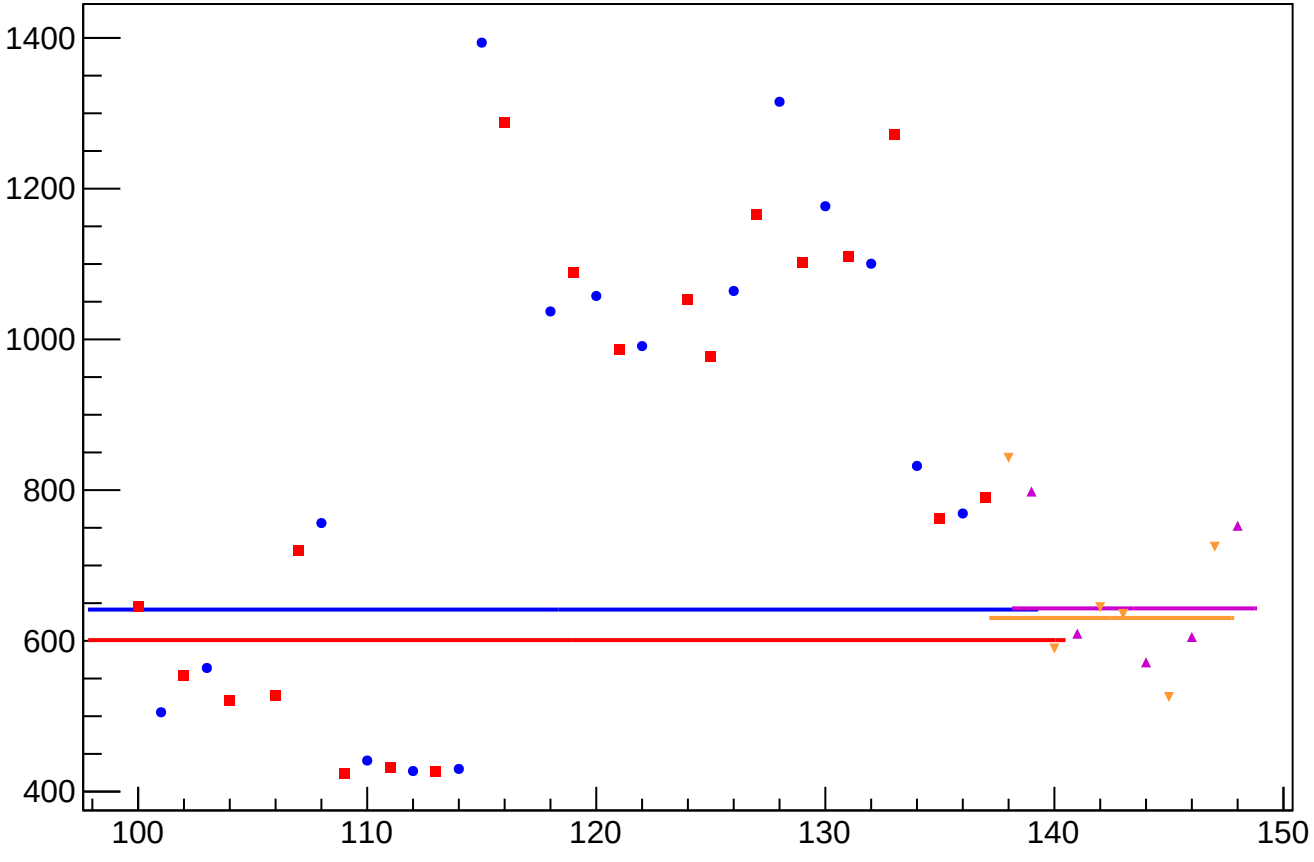
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 227.386+/-198.359 χ^2/NDF:27.2/20

Out: 30.294+/-186.968 χ^2/NDF:36.7/24

All: 123.018+/-136.055 χ^2/NDF: 64.5/45

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 630.410+/-0.213 χ^2/NDF:198591.3/5

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

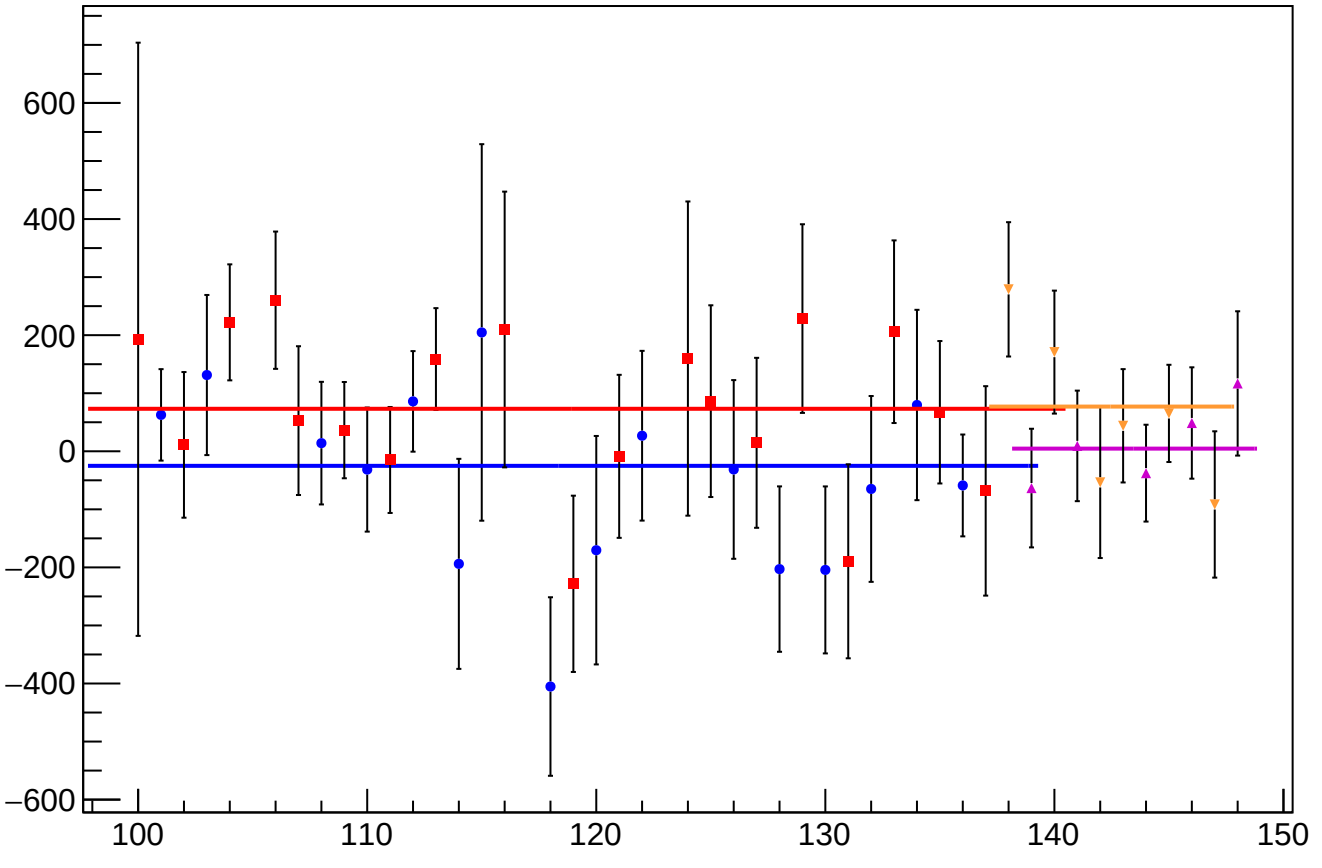
Left: 636.508+/-0.153 χ^2/NDF: 338768.7/10

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 642.137+/-0.140 χ^2/NDF:2013451.8/20

Out: 612.342+/-0.132 χ^2/NDF:2287573.5/24

All: 626.360+/-0.096 χ^2/NDF: 4324920.9/45



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.996+/-43.303 χ^2/NDF:6.8/5

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 4.586+/-43.715 χ^2/NDF:1.7/4

Left: 41.134+/-30.764 χ^2/NDF: 9.9/10

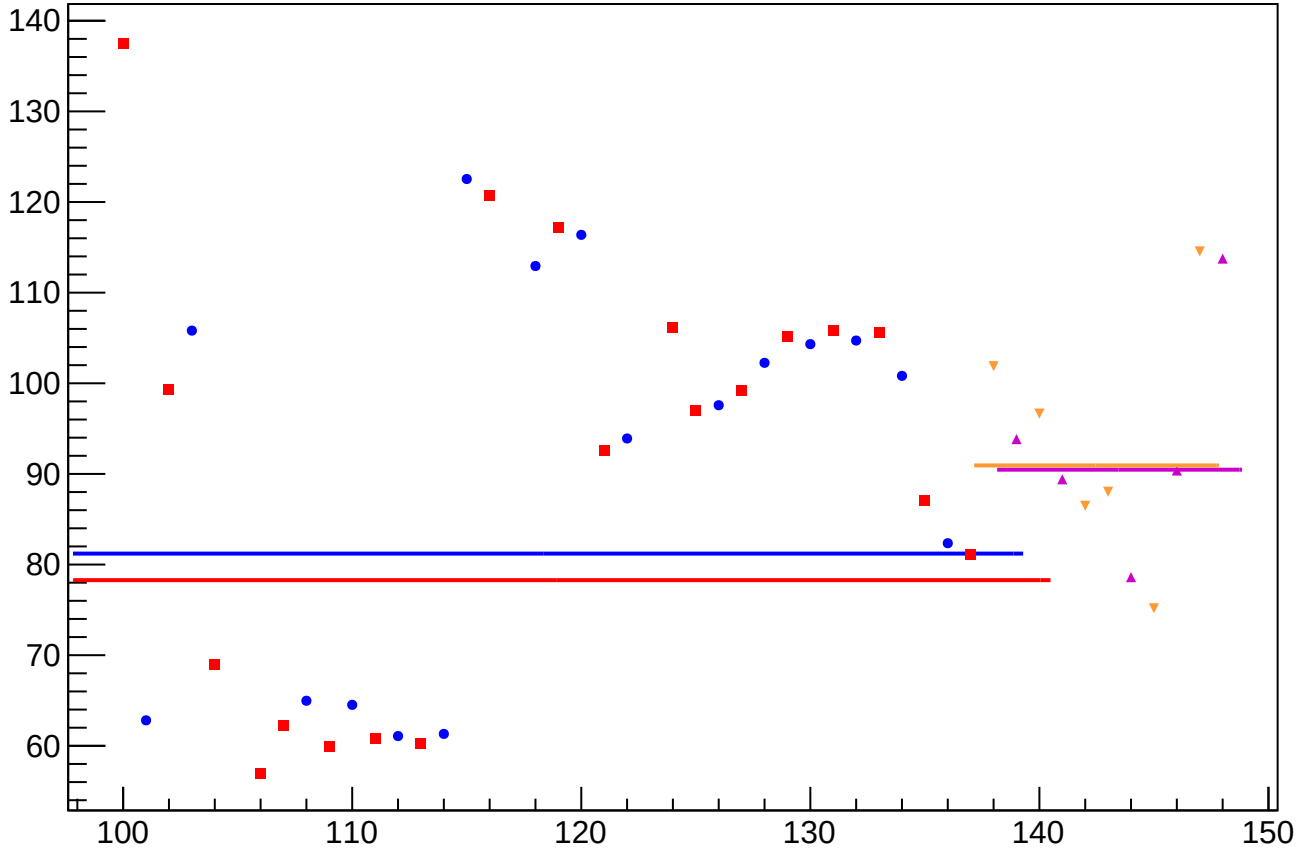
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -15.053+/-25.411 χ^2/NDF:18.2/20

Out: 74.423+/-24.625 χ^2/NDF:23.5/24

All: 31.091+/-17.684 χ^2/NDF: 48.1/45

eigen_cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.2/5

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

Left: 90.704+/-0.022 χ^2/NDF: 282123.2/10

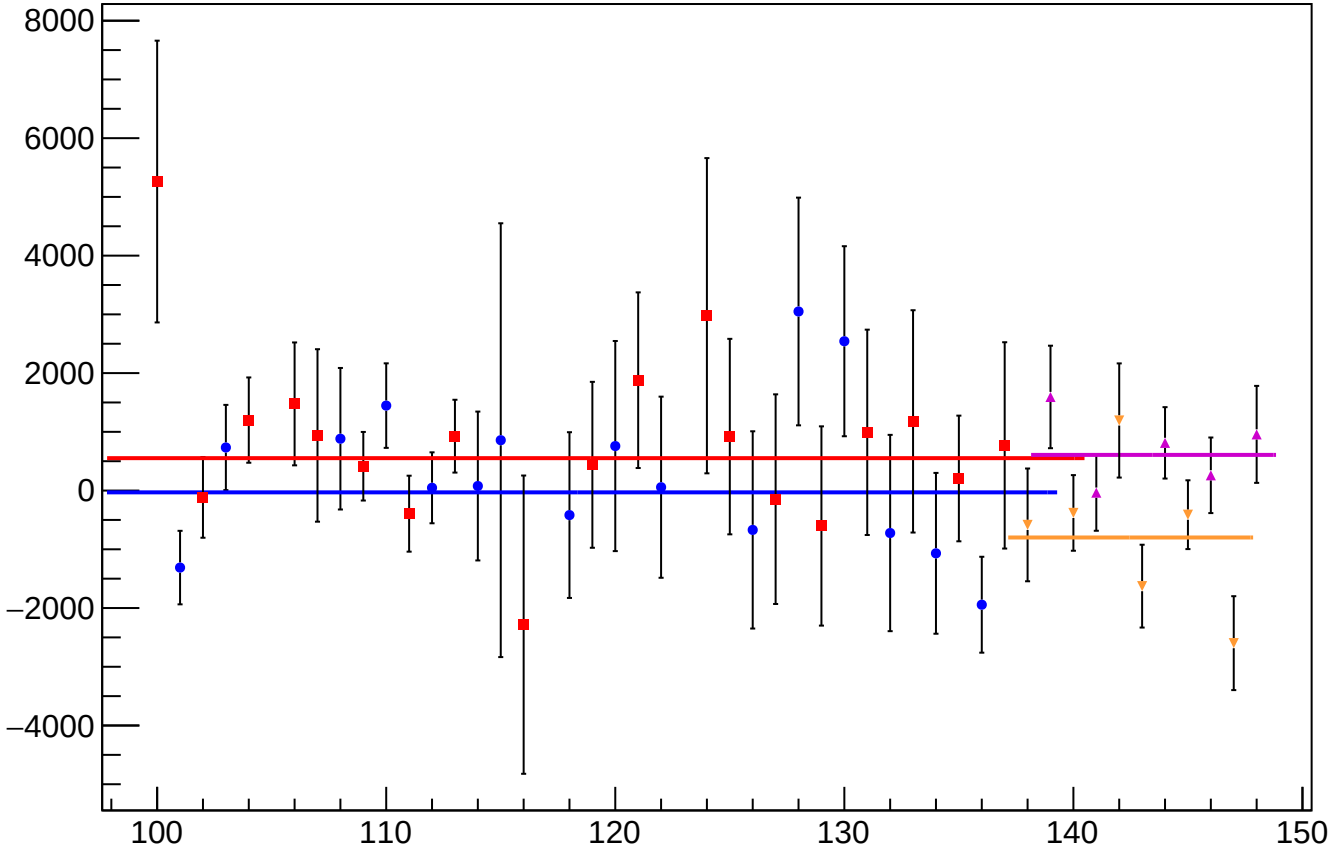
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 84.338+/-0.018 χ^2/NDF:960124.4/20

Out: 82.372+/-0.017 χ^2/NDF:1221373.3/24

All: 83.324+/-0.013 χ^2/NDF: 2187667.2/45

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -798.886+/-300.868 χ^2/NDF:11.6/5

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 607.263+/-311.962 χ^2/NDF:2.8/4

Left: -121.257+/-216.562 χ^2/NDF: 24.9/10

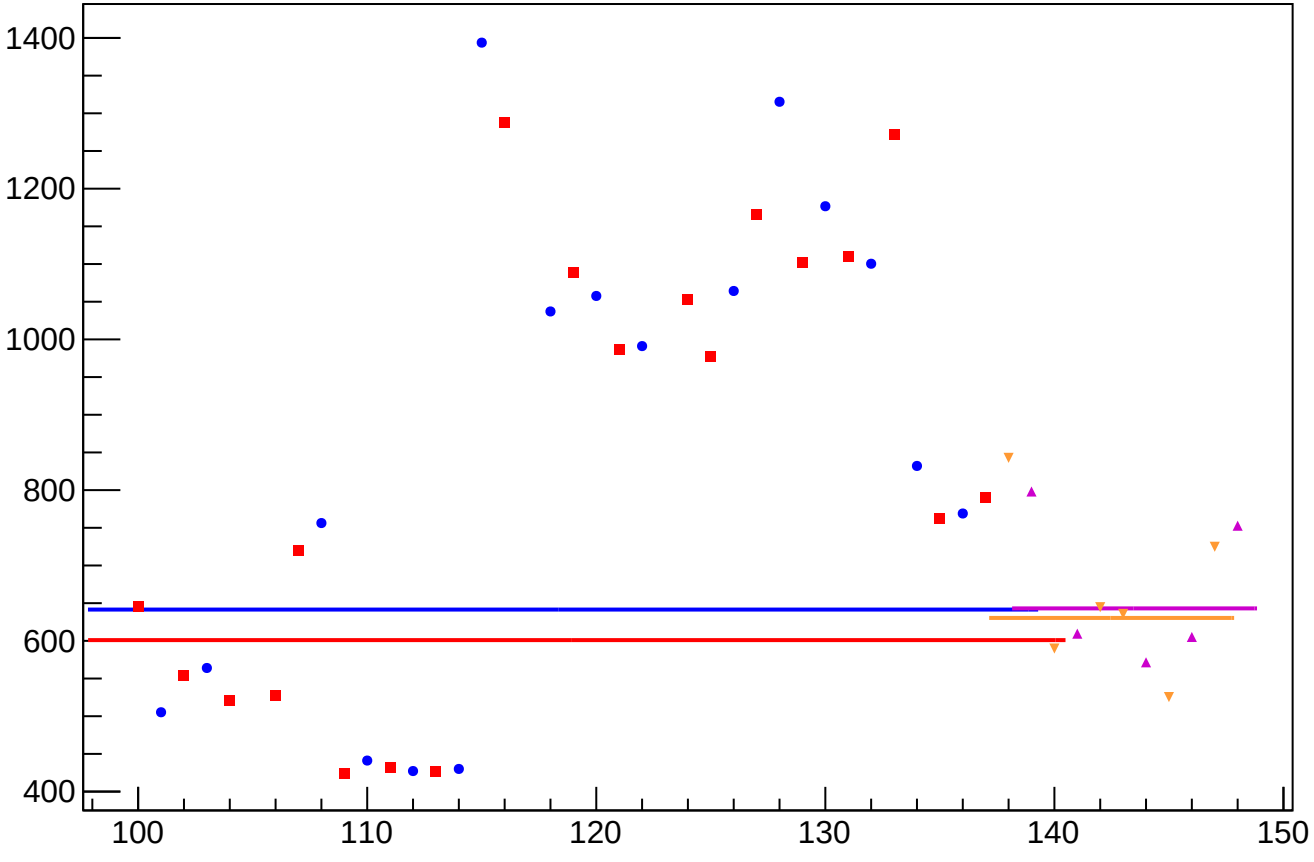
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 227.386+/-198.359 χ^2/NDF:27.2/20

Out: 30.294+/-186.968 χ^2/NDF:36.7/24

All: 123.018+/-136.055 χ^2/NDF: 64.5/45

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: 630.410+/-0.213 χ^2/NDF:198591.3/5

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

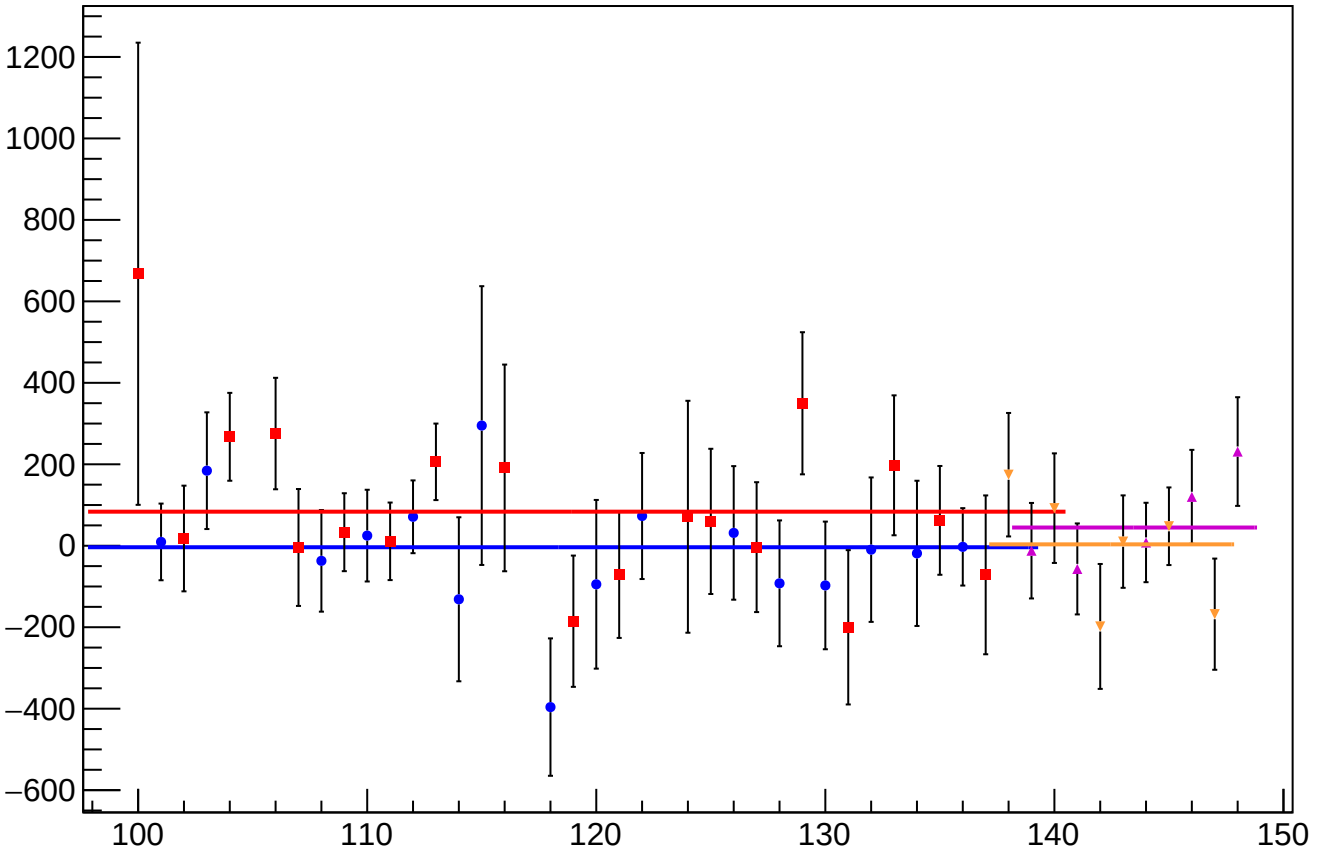
Left: 636.508+/-0.153 χ^2/NDF: 338768.7/10

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 642.137+/-0.140 χ^2/NDF:2013451.8/20

Out: 612.342+/-0.132 χ^2/NDF:2287573.5/24

All: 626.360+/-0.096 χ^2/NDF: 4324920.9/45



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.456+/-51.110 χ^2/NDF:5.2/5

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 44.763+/-50.665 χ^2/NDF:3.6/4

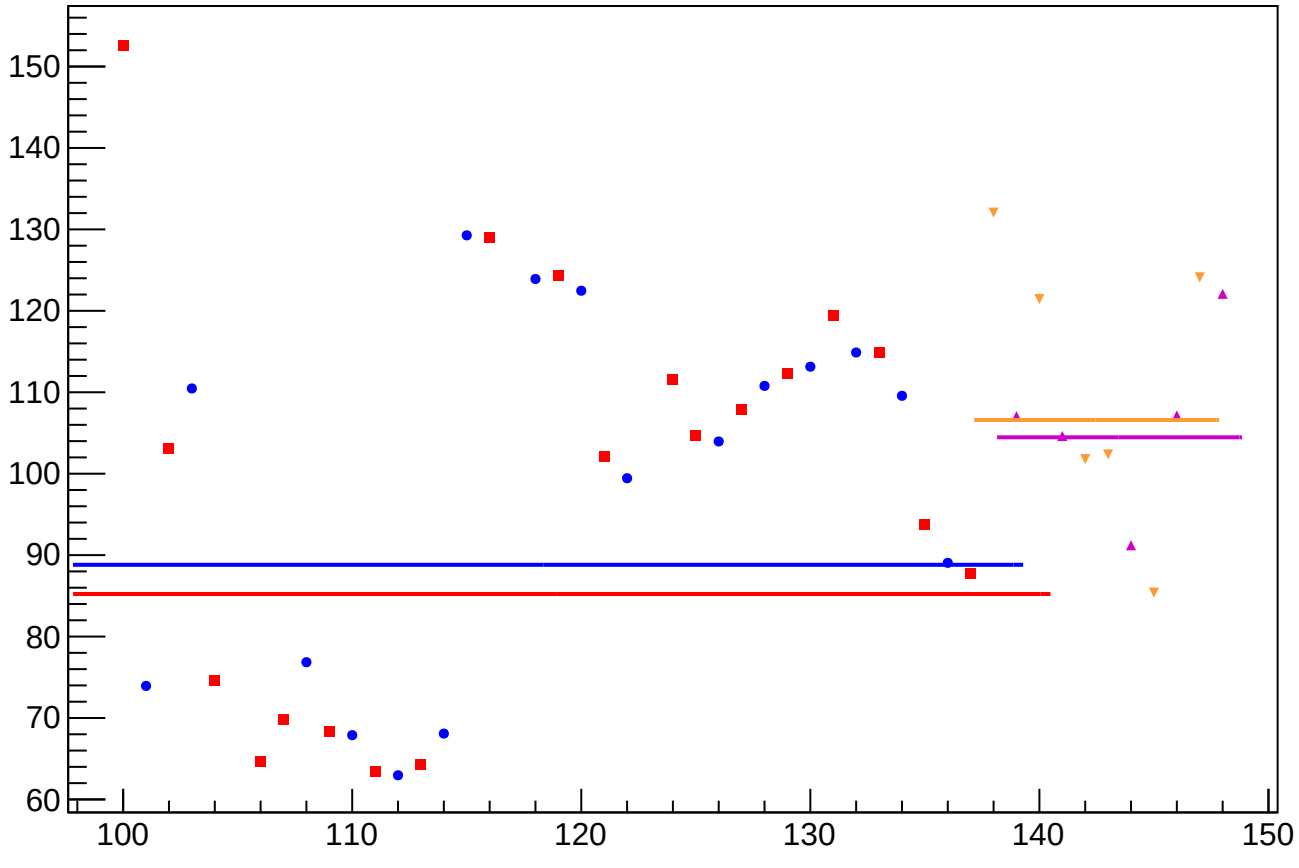
Left: 24.290+/-35.982 χ^2/NDF: 9.2/10

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 11.486+/-28.319 χ^2/NDF:14.5/20

Out: 60.445+/-27.505 χ^2/NDF:26.0/24

All: 36.680+/-19.730 χ^2/NDF: 42.1/45



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.597+/-0.036 χ^2/NDF:217503.3/5

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 104.468+/-0.036 χ^2/NDF:73957.8/4

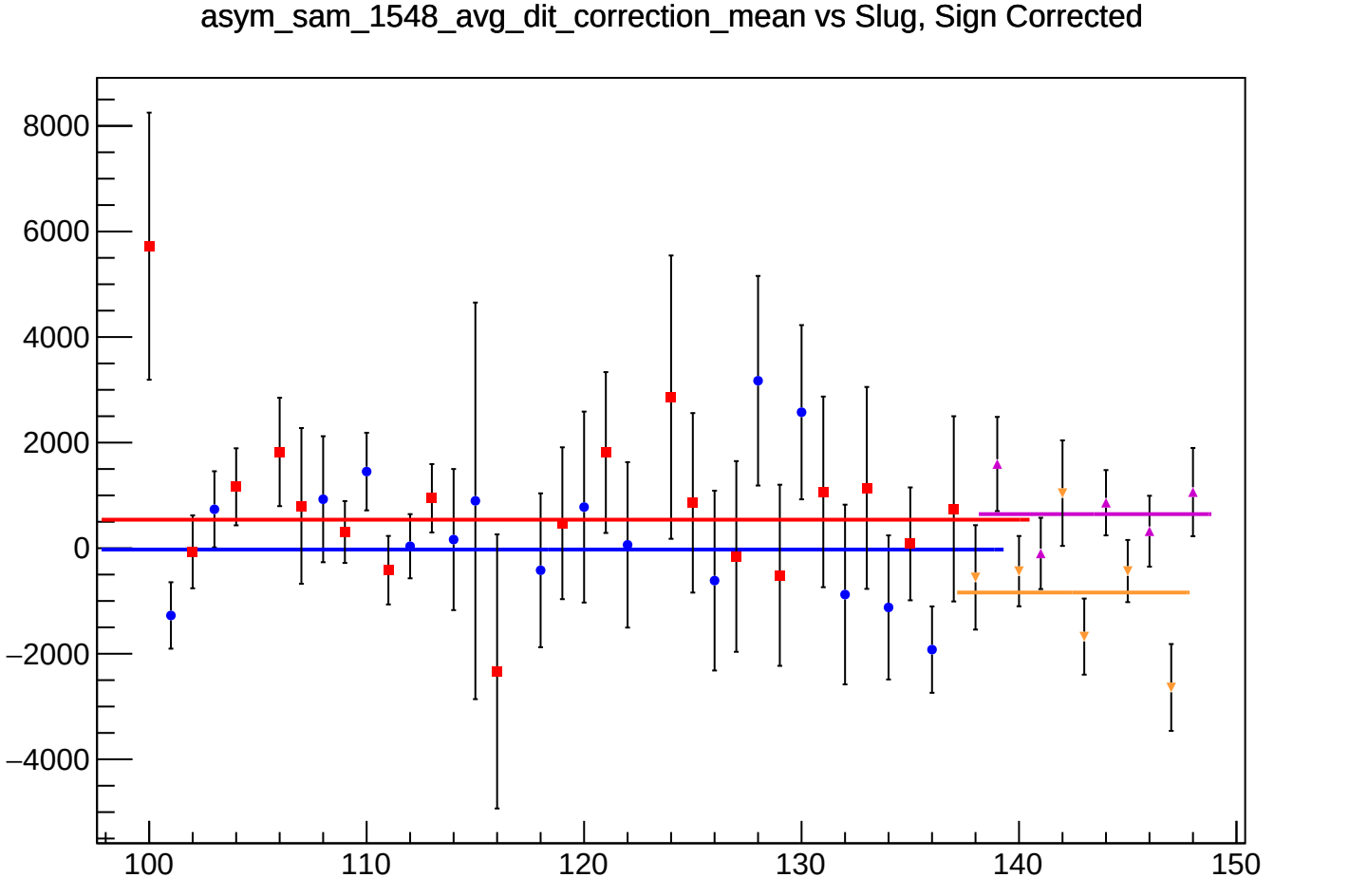
Left: 105.523+/-0.025 χ^2/NDF: 293211.6/10

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 93.704+/-0.020 χ^2/NDF:929858.6/20

Out: 91.414+/-0.019 χ^2/NDF:1350022.6/24

All: 92.526+/-0.014 χ^2/NDF: 2286612.5/45



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -839.904+/-307.627 χ^2/NDF:10.6/5

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 645.373+/-320.909 χ^2/NDF:3.0/4

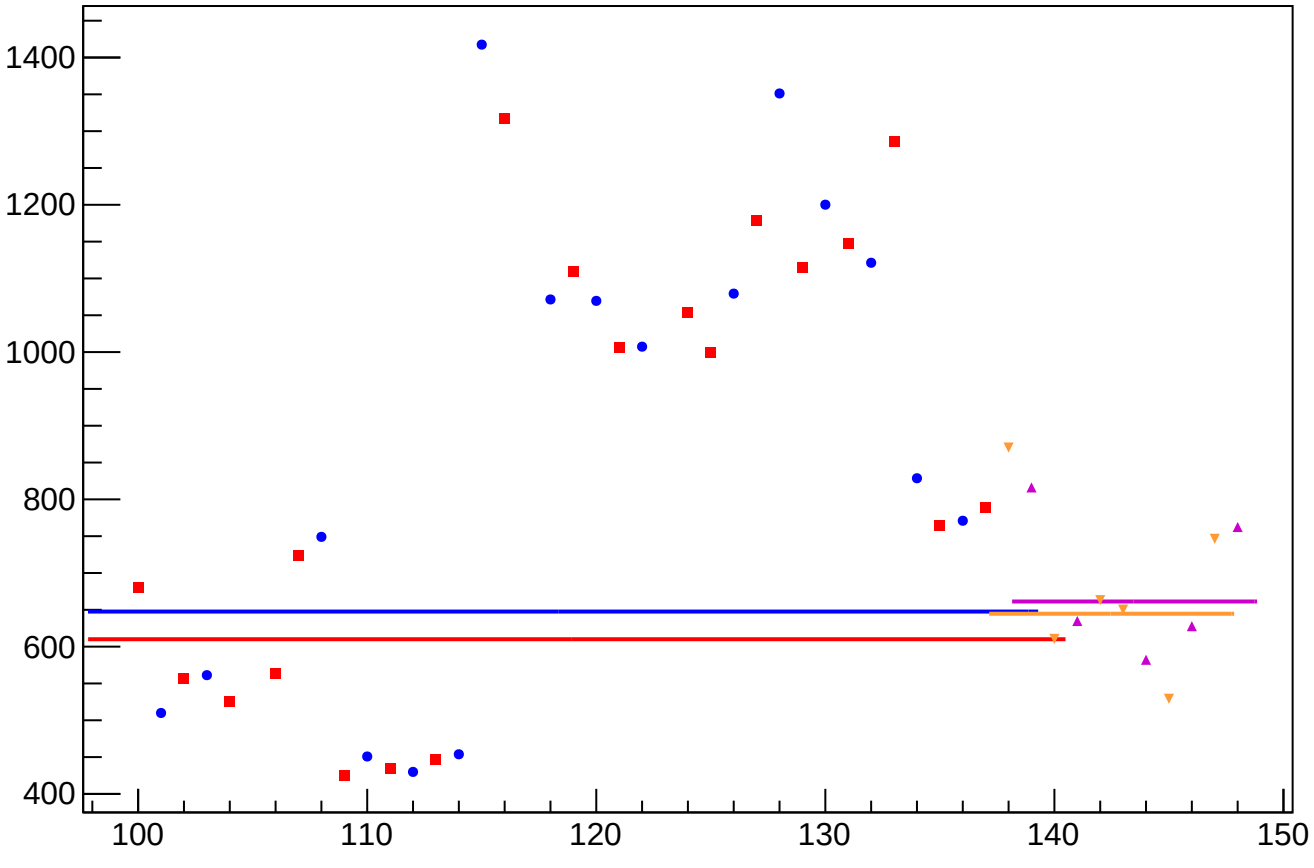
Left: -128.637+/-222.072 χ^2/NDF: 24.7/10

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 239.457+/-201.736 χ^2/NDF:27.2/20

Out: 14.324+/-189.831 χ^2/NDF:36.7/24

All: 120.052+/-138.248 χ^2/NDF: 64.5/45



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 644.685+/-0.218 χ^2/NDF:217723.8/5

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 661.300+/-0.227 χ^2/NDF:130307.7/4

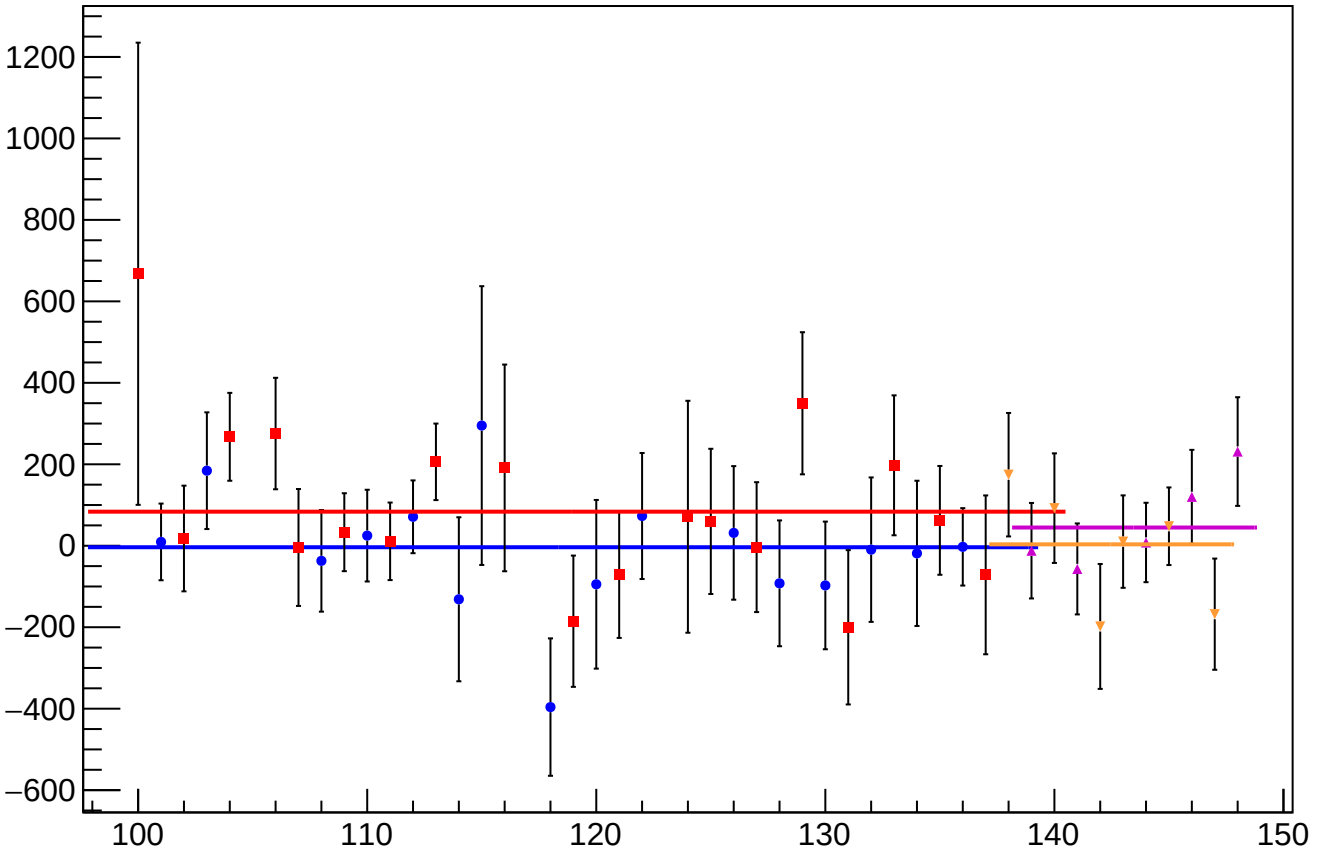
Left: 652.641+/-0.157 χ^2/NDF: 350825.3/10

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 653.038+/-0.143 χ^2/NDF:2020315.0/20

Out: 623.245+/-0.134 χ^2/NDF:2307660.5/24

All: 637.237+/-0.098 χ^2/NDF: 4351111.4/45



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.456+/-51.110 χ^2/NDF:5.2/5

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 44.764+/-50.665 χ^2/NDF:3.6/4

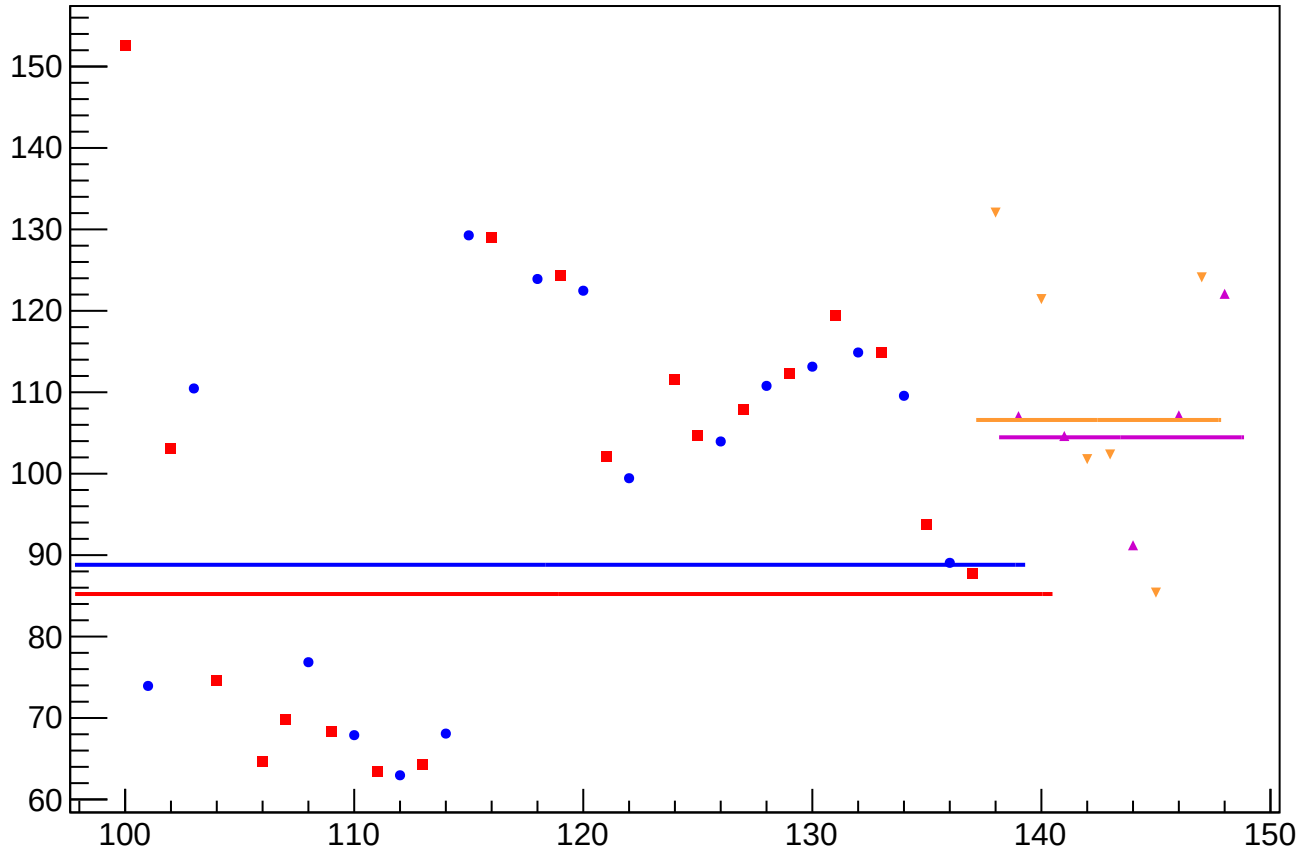
Left: 24.291+/-35.982 χ^2/NDF: 9.2/10

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 11.487+/-28.319 χ^2/NDF:14.5/20

Out: 60.445+/-27.505 χ^2/NDF:26.0/24

All: 36.680+/-19.730 χ^2/NDF: 42.1/45



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.598+/-0.036 χ^2/NDF:217501.8/5

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.469+/-0.036 χ^2/NDF:73957.6/4

Left: 105.524+/-0.025 χ^2/NDF: 293209.9/10

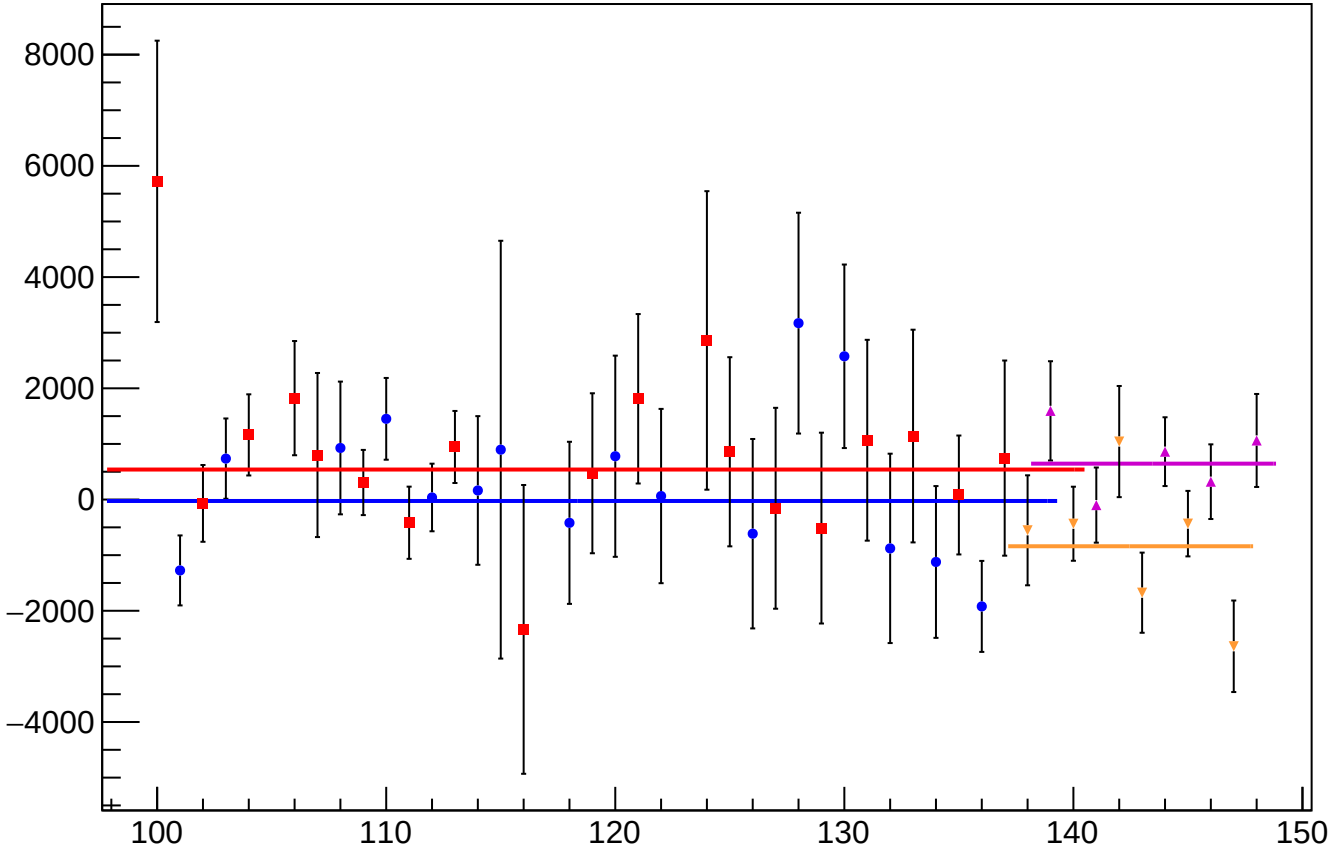
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 93.704+/-0.020 χ^2/NDF:929863.2/20

Out: 91.414+/-0.019 χ^2/NDF:1350029.3/24

All: 92.526+/-0.014 χ^2/NDF: 2286624.1/45

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -839.903+/-307.627 χ^2/NDF:10.6/5

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 645.374+/-320.909 χ^2/NDF:3.0/4

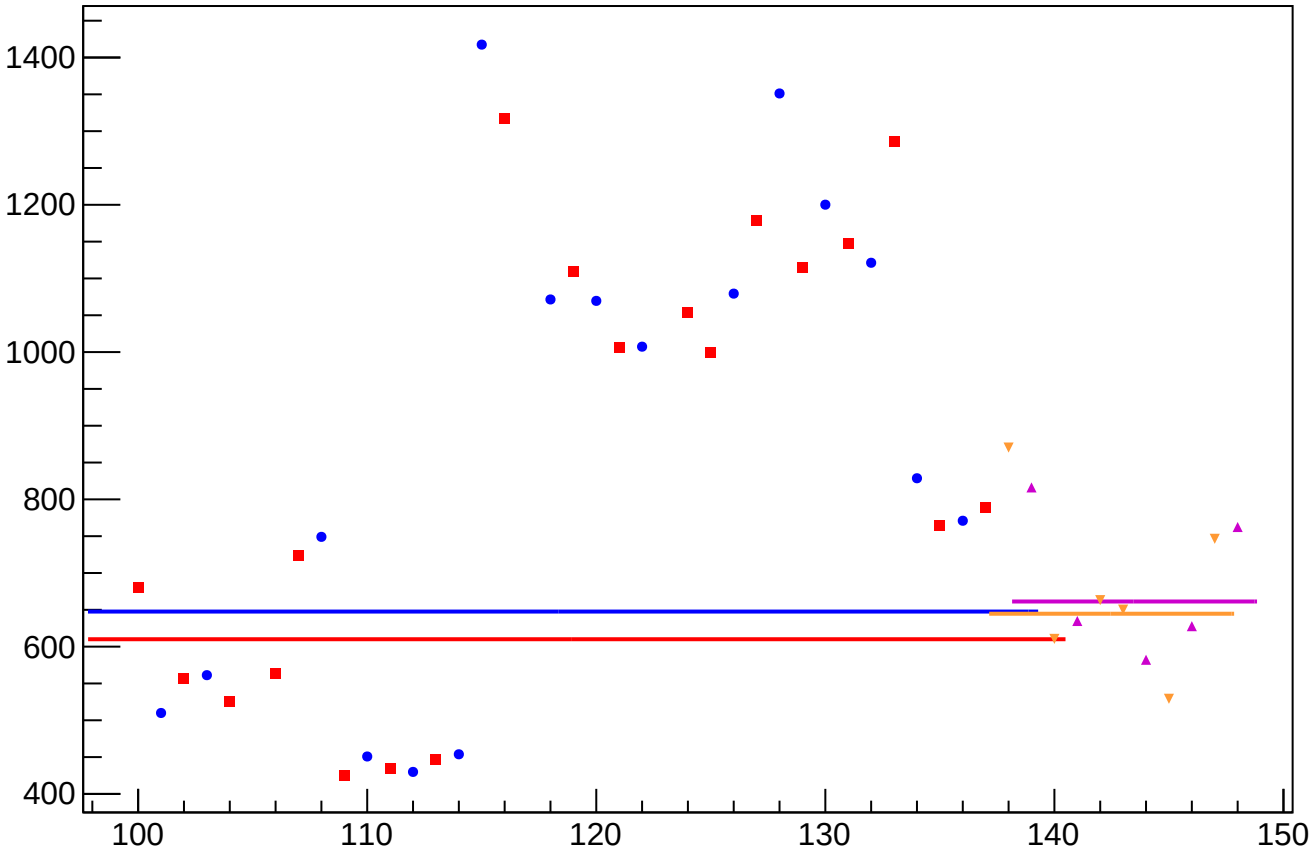
Left: -128.637+/-222.072 χ^2/NDF: 24.7/10

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 239.457+/-201.736 χ^2/NDF:27.2/20

Out: 14.324+/-189.830 χ^2/NDF:36.7/24

All: 120.052+/-138.248 χ^2/NDF: 64.5/45



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 644.684+/-0.218 χ^2/NDF:217725.8/5

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 661.300+/-0.227 χ^2/NDF:130308.2/4

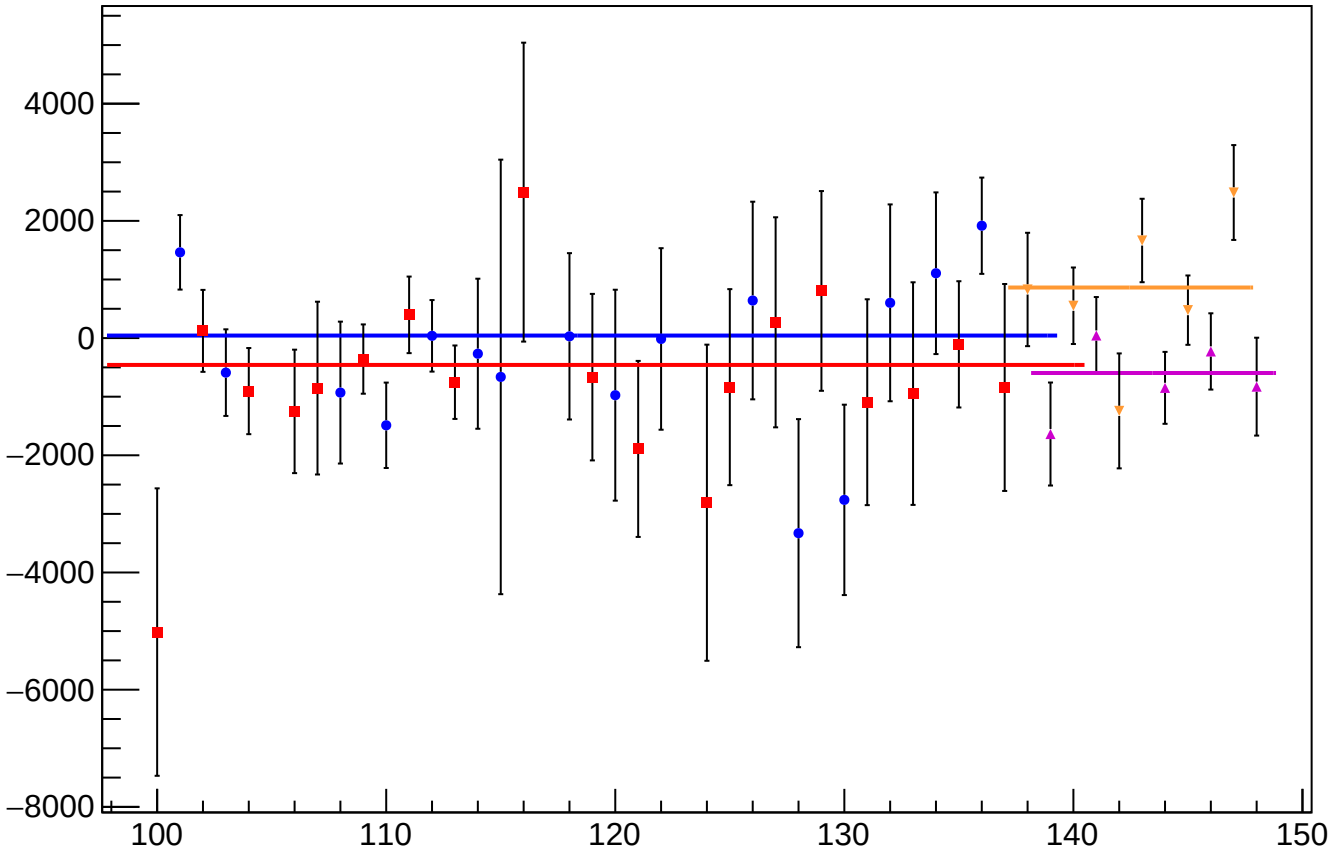
Left: 652.641+/-0.157 χ^2/NDF: 350828.0/10

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 653.038+/-0.143 χ^2/NDF:2020320.5/20

Out: 623.244+/-0.134 χ^2/NDF:2307665.5/24

All: 637.236+/-0.098 χ^2/NDF: 4351122.3/45



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 862.901+/-304.131 χ^2/NDF:10.5/5

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -595.742+/-315.164 χ^2/NDF:2.9/4

Left: 159.556+/-218.850 χ^2/NDF: 24.6/10

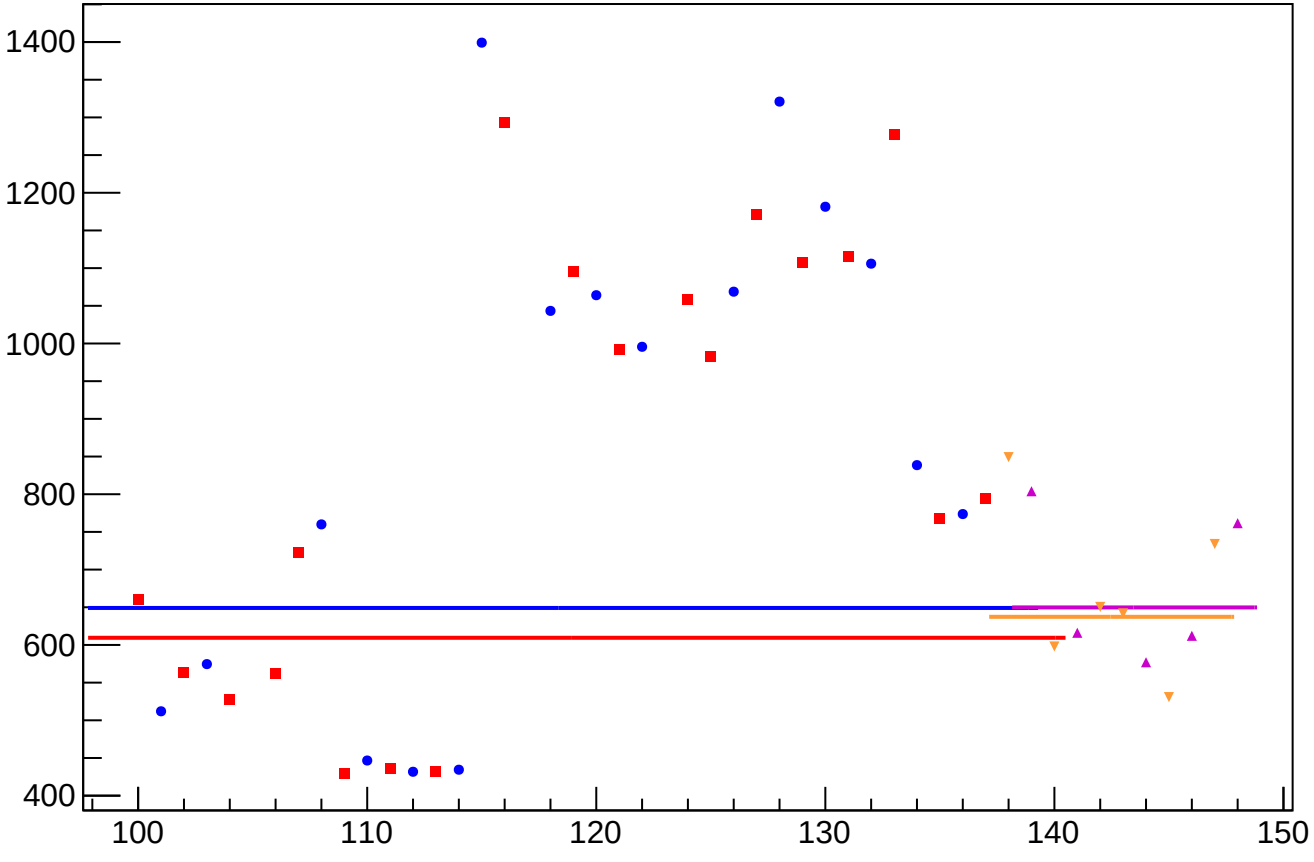
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -215.336+/-200.467 χ^2/NDF:28.6/20

Out: 51.739+/-188.942 χ^2/NDF:33.4/24

All: -73.901+/-137.496 χ^2/NDF: 62.9/45

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 637.334+/-0.215 χ^2/NDF:197029.5/5

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 649.772+/-0.223 χ^2/NDF:137423.7/4

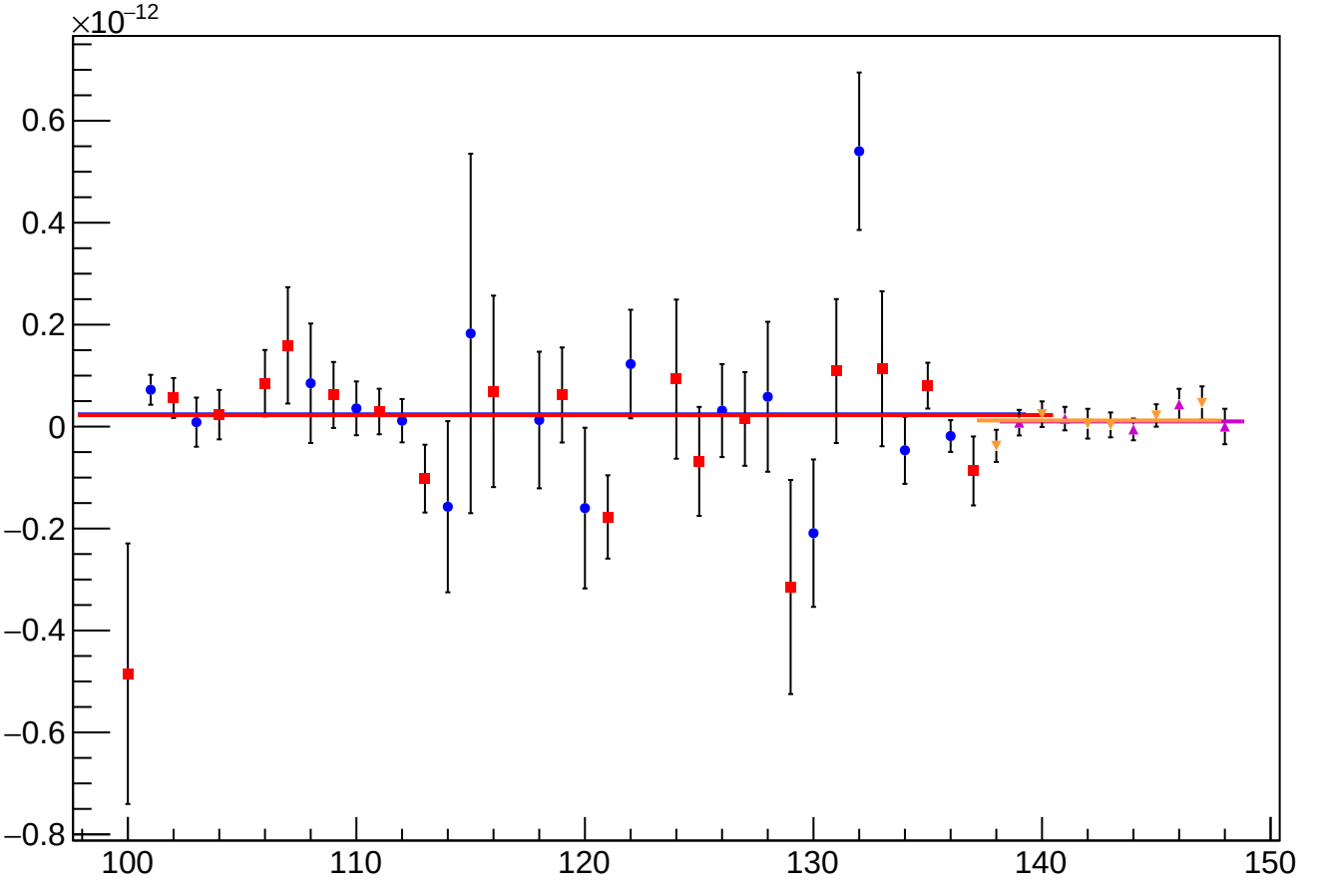
Left: 643.331+/-0.155 χ^2/NDF: 336066.0/10

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 649.366+/-0.142 χ^2/NDF:1983244.8/20

Out: 620.253+/-0.134 χ^2/NDF:2250895.0/24

All: 633.949+/-0.097 χ^2/NDF: 4256478.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

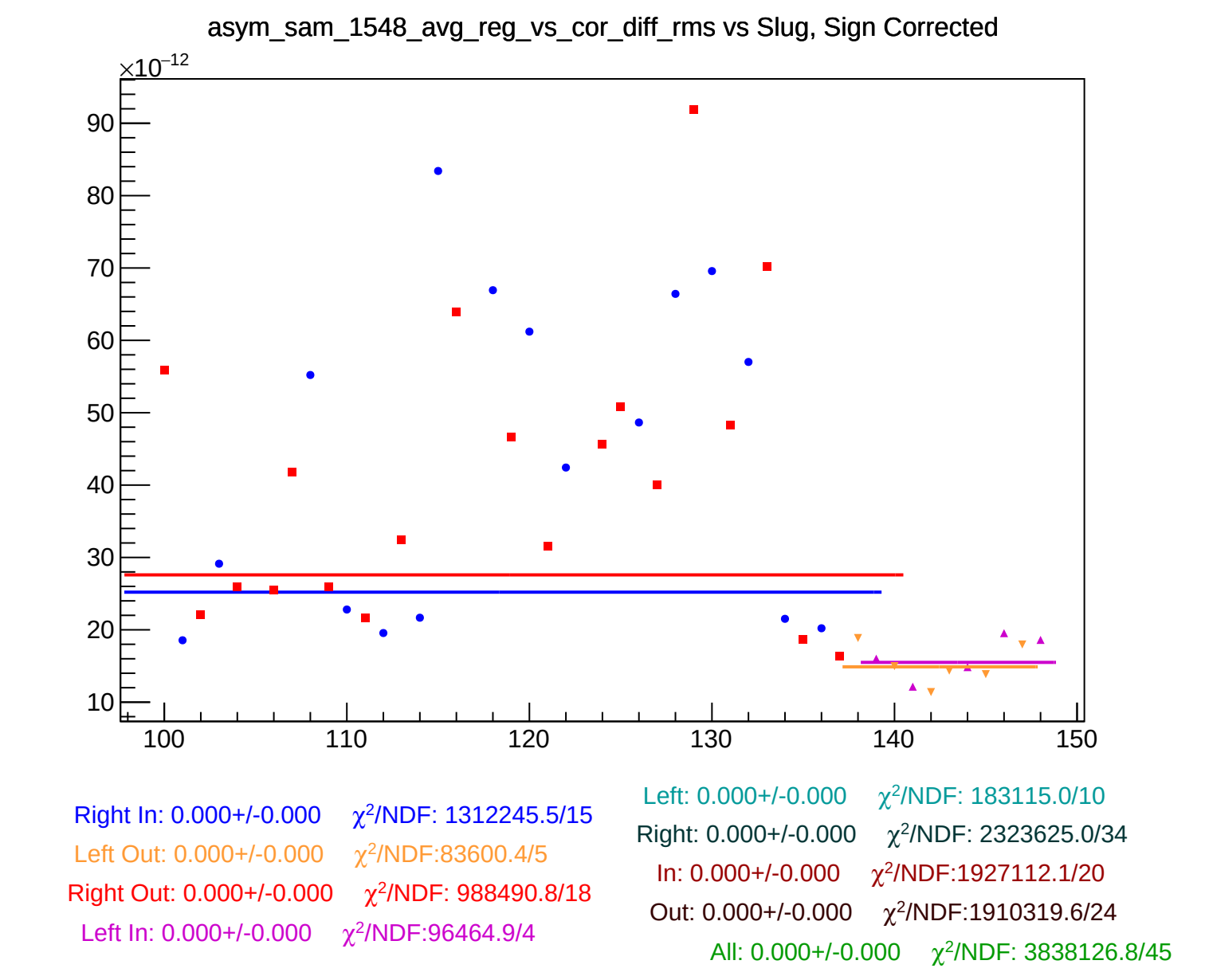
Left: 0.000+/-0.000 χ^2/NDF: 6.1/10

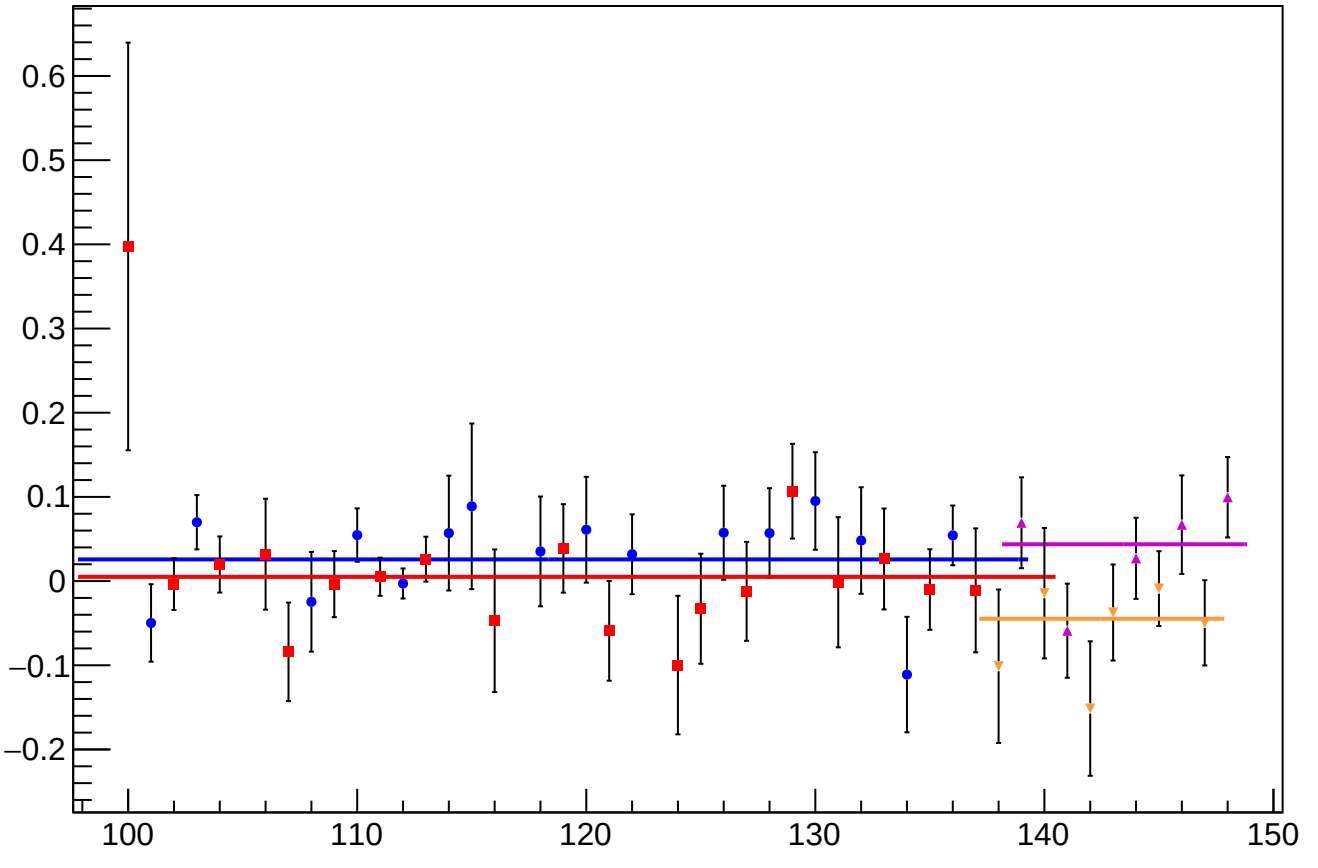
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:26.1/20

Out: 0.000+/-0.000 χ^2/NDF:30.2/24

All: 0.000+/-0.000 χ^2/NDF: 56.2/45


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:83600.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:96464.9/4
Left: 0.000+/-0.000 χ²/NDF: 183115.0/10
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:1927112.1/20
Out: 0.000+/-0.000 χ²/NDF:1910319.6/24
All: 0.000+/-0.000 χ²/NDF: 3838126.8/45



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

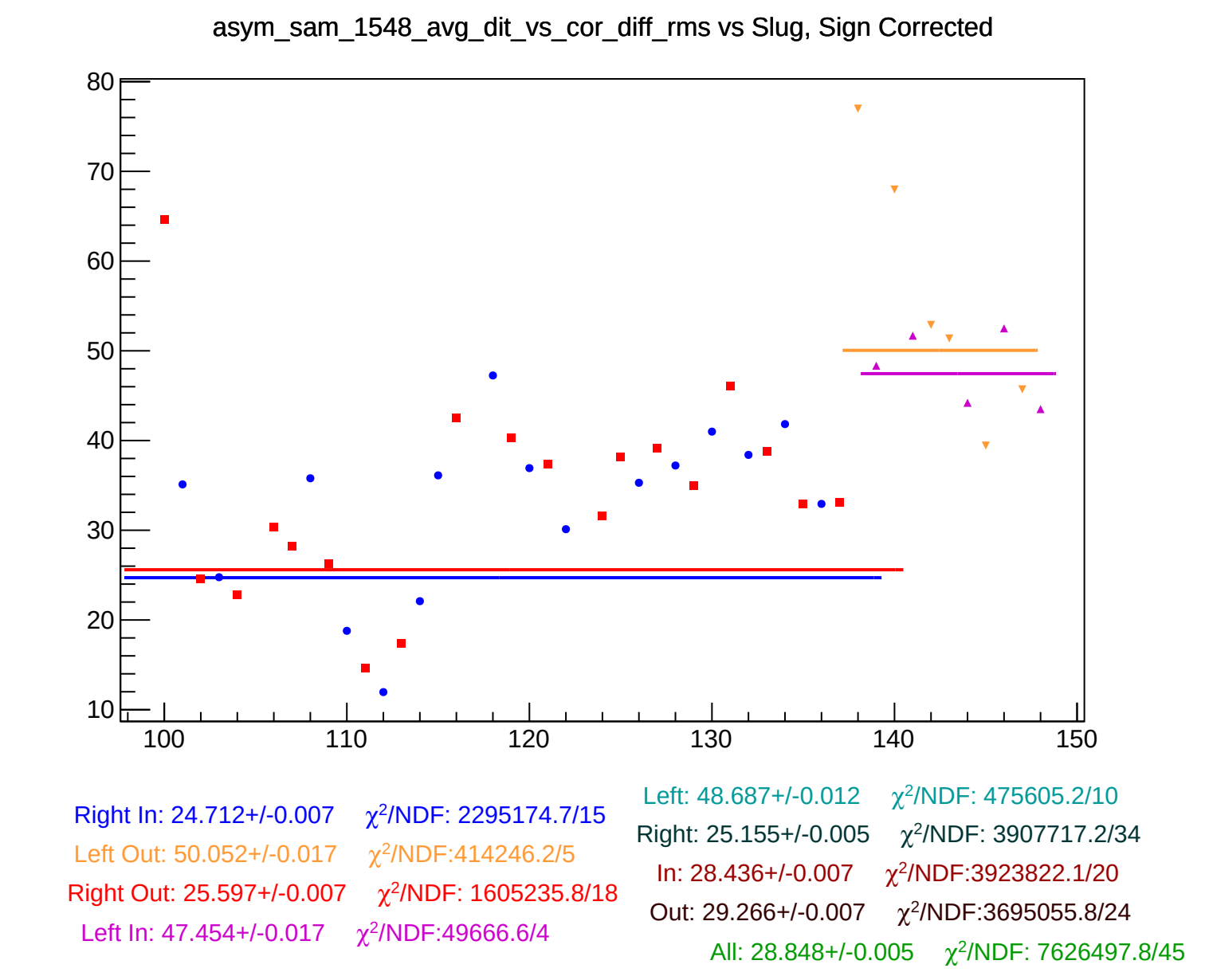
Left: 0.002+/-0.017 χ^2/NDF: 15.0/10

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

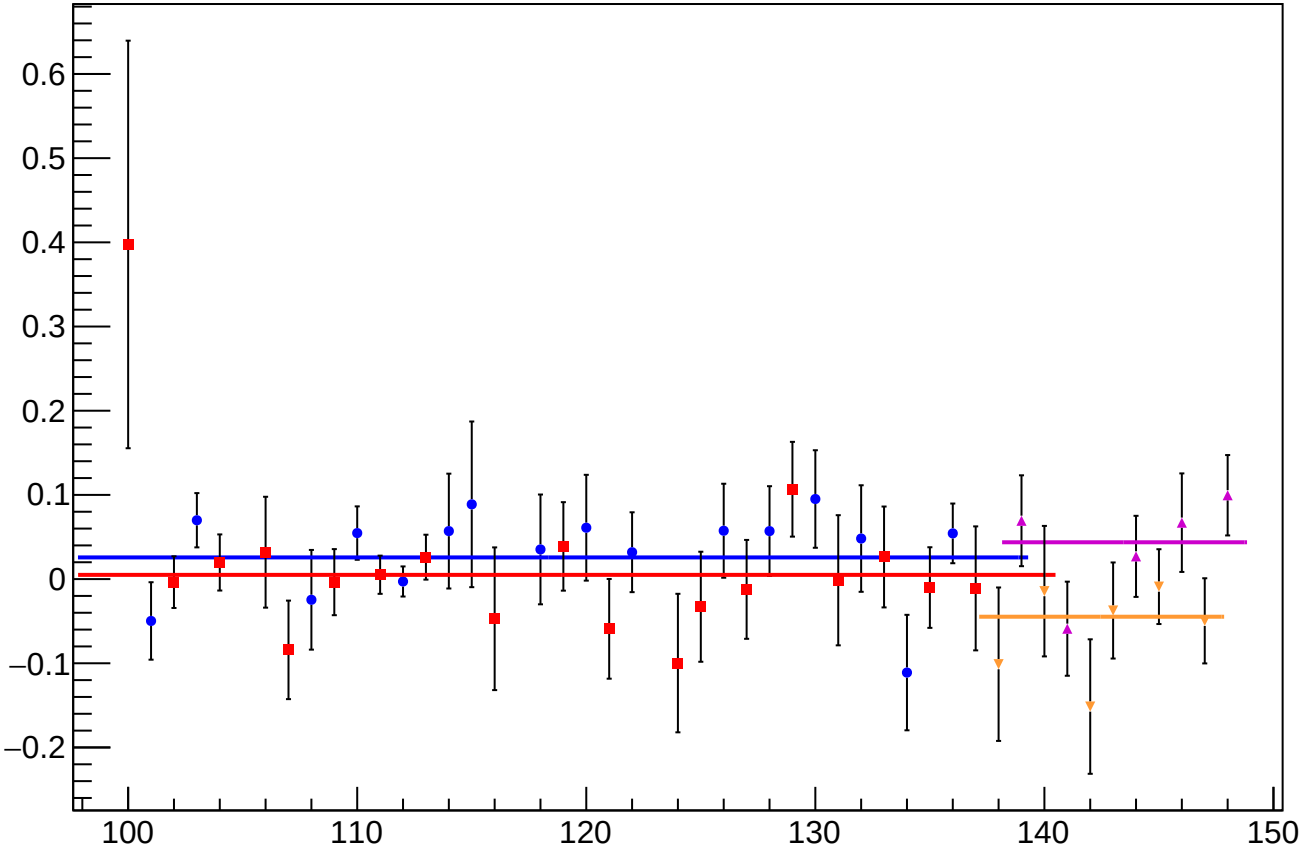
In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.013+/-0.007 χ^2/NDF: 47.7/45


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 50.052+/-0.017 χ²/NDF:414246.2/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 47.454+/-0.017 χ²/NDF:49666.6/4
Left: 48.687+/-0.012 χ²/NDF: 475605.2/10
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 28.436+/-0.007 χ²/NDF:3923822.1/20
Out: 29.266+/-0.007 χ²/NDF:3695055.8/24
All: 28.848+/-0.005 χ²/NDF: 7626497.8/45

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: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

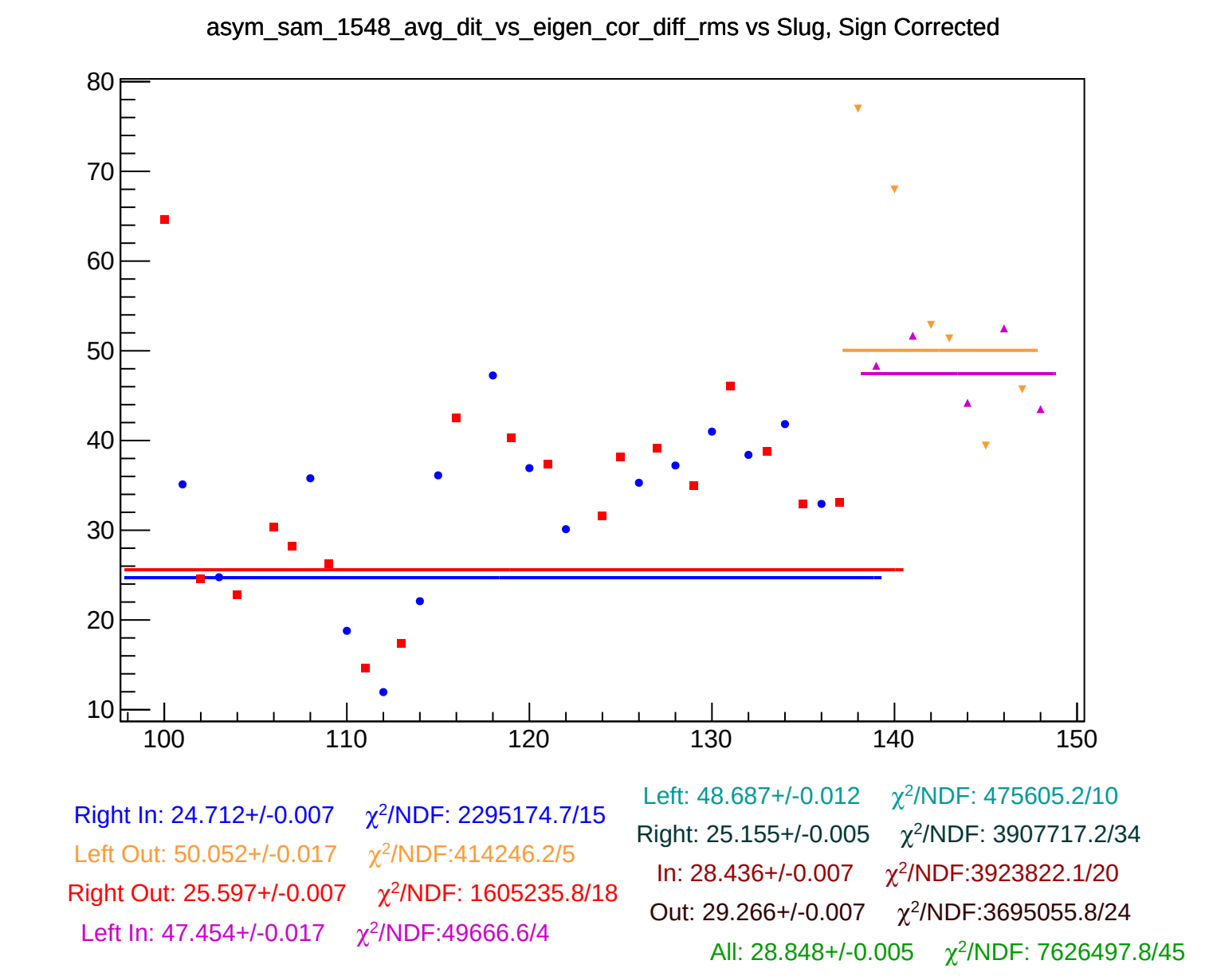
Left: 0.002+/-0.017 χ^2/NDF: 15.0/10

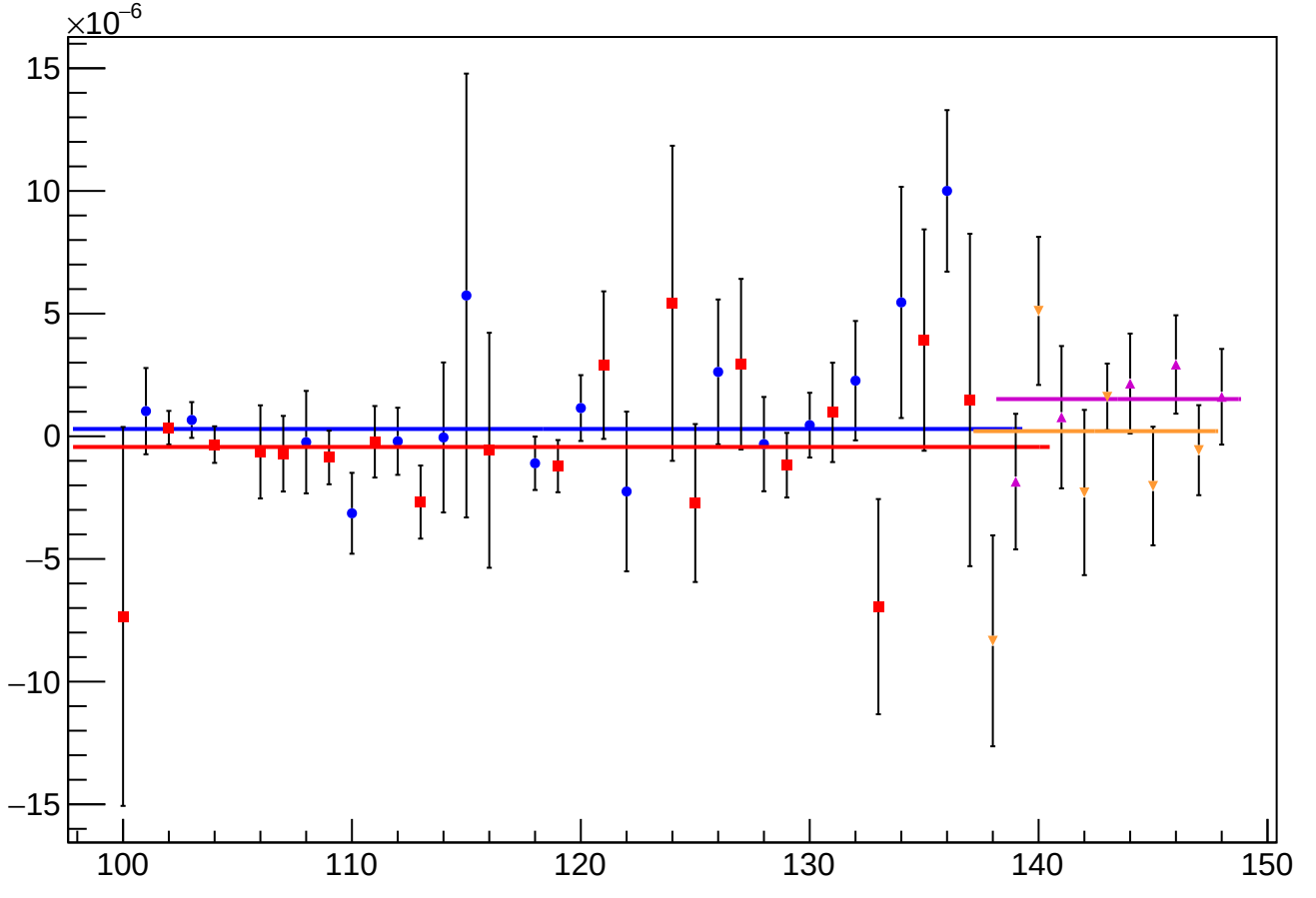
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.013+/-0.007 χ^2/NDF: 47.7/45


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 50.052+/-0.017 χ²/NDF:414246.2/5
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 47.454+/-0.017 χ²/NDF:49666.6/4
Left: 48.687+/-0.012 χ²/NDF: 475605.2/10
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 28.436+/-0.007 χ²/NDF:3923822.1/20
Out: 29.266+/-0.007 χ²/NDF:3695055.8/24
All: 28.848+/-0.005 χ²/NDF: 7626497.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

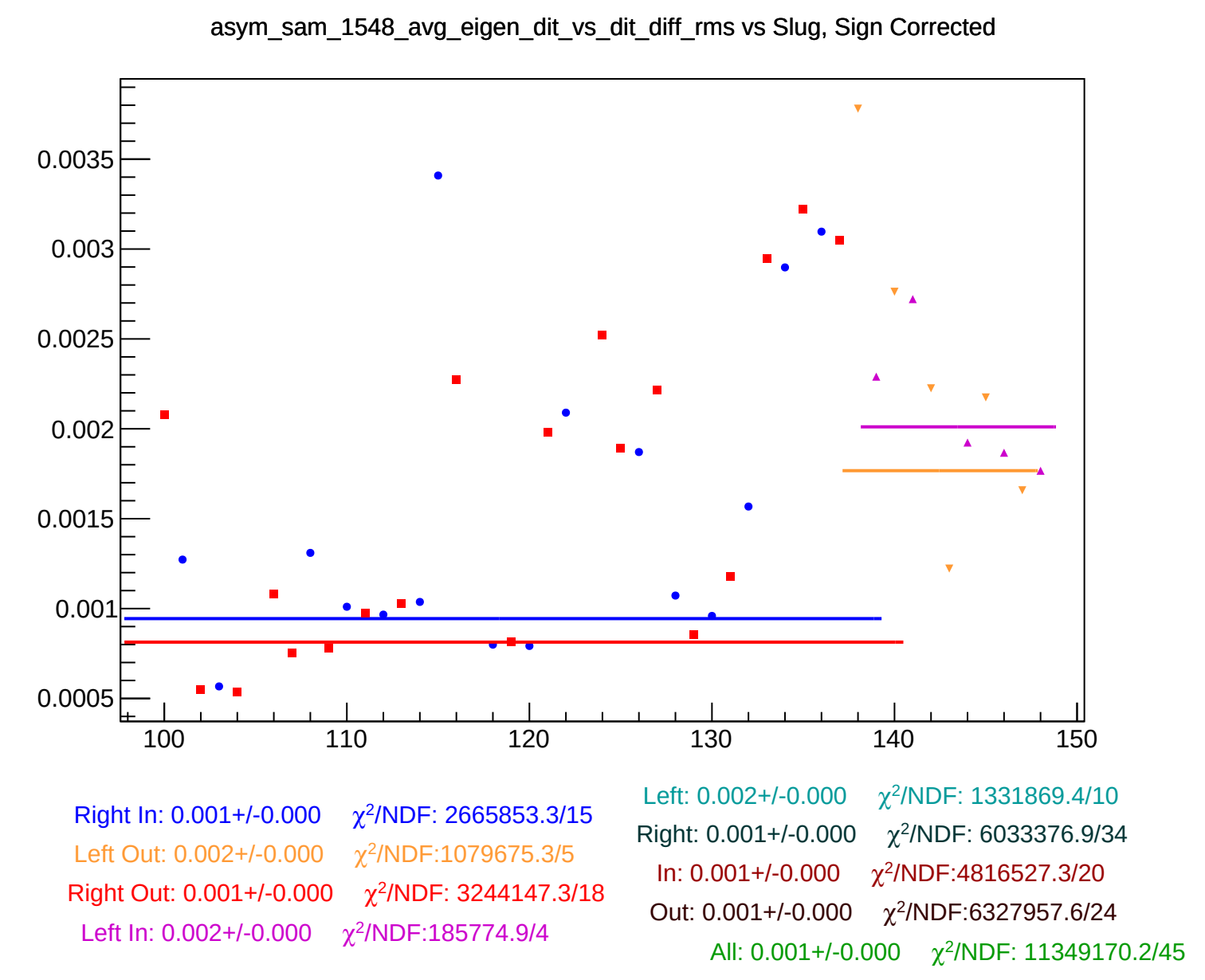
Left: 0.000+/-0.000 χ^2/NDF: 12.3/10

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

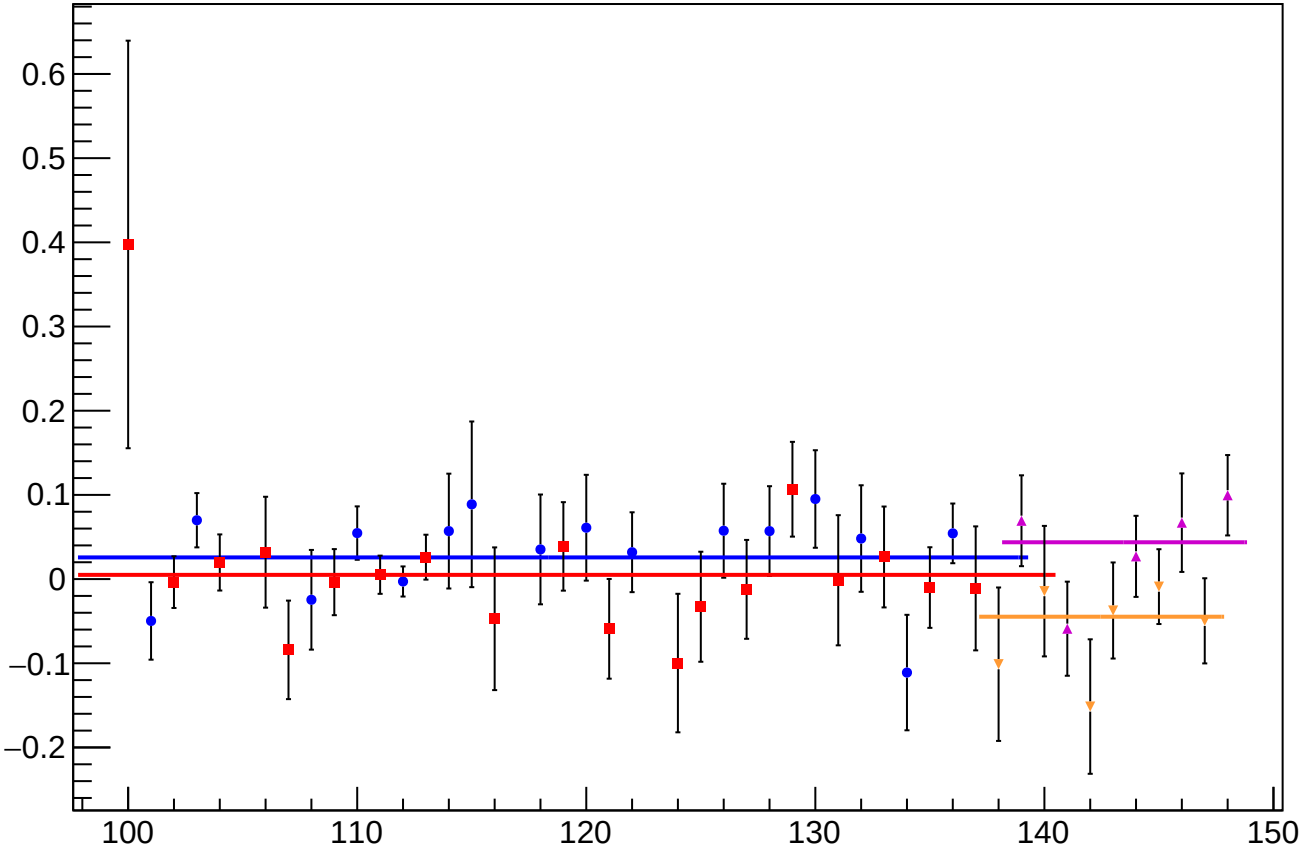
In: 0.000+/-0.000 χ^2/NDF:22.7/20

Out: -0.000+/-0.000 χ^2/NDF:22.4/24

All: -0.000+/-0.000 χ^2/NDF: 47.9/45


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1079675.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:185774.9/4
Left: 0.002+/-0.000 χ²/NDF: 1331869.4/10
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:4816527.3/20
Out: 0.001+/-0.000 χ²/NDF:6327957.6/24
All: 0.001+/-0.000 χ²/NDF: 11349170.2/45

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: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

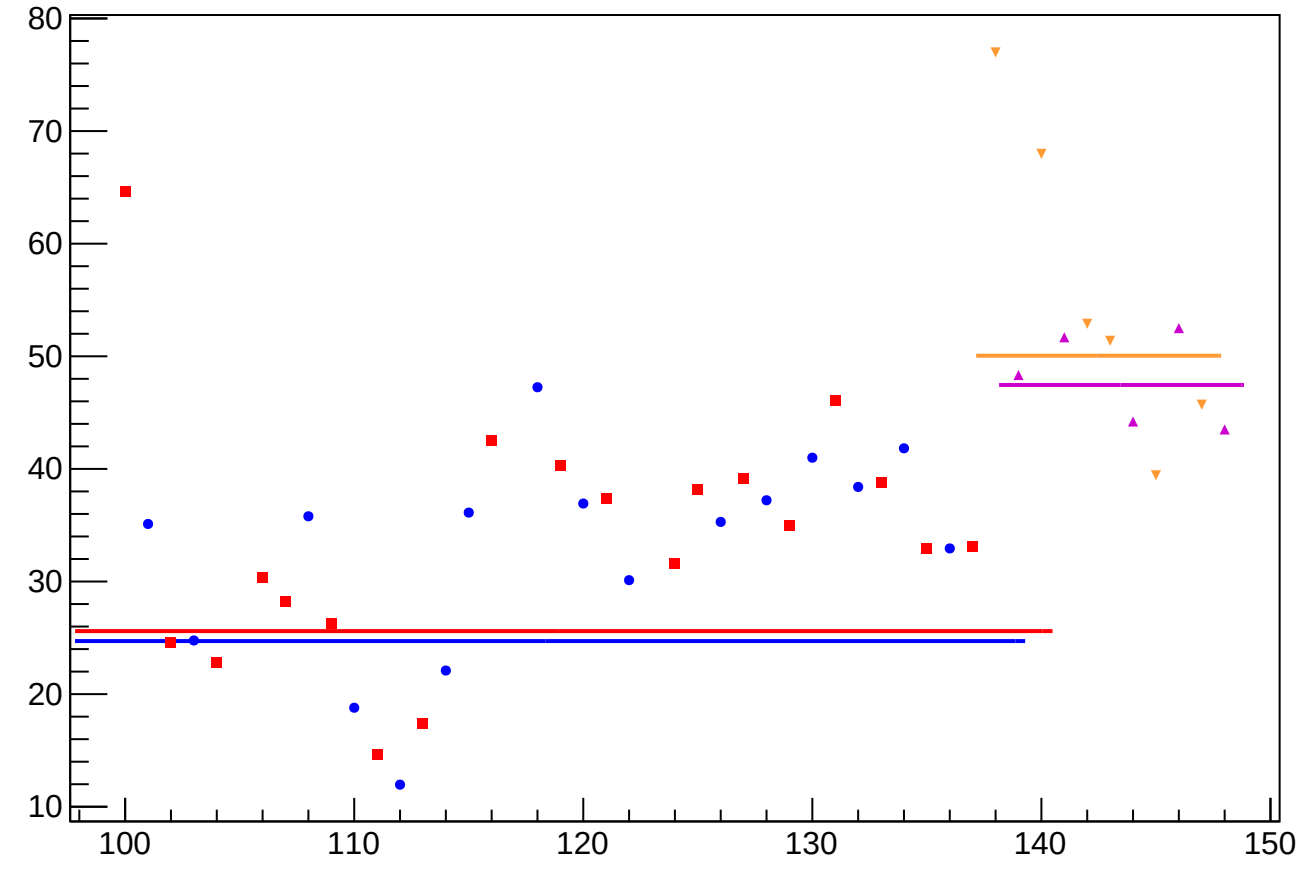
Left: 0.002+/-0.017 χ^2/NDF: 15.0/10

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.013+/-0.007 χ^2/NDF: 47.7/45



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 50.053+/-0.017 χ^2/NDF:414230.5/5

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 47.455+/-0.017 χ^2/NDF:49669.5/4

Left: 48.688+/-0.012 χ^2/NDF: 475592.3/10

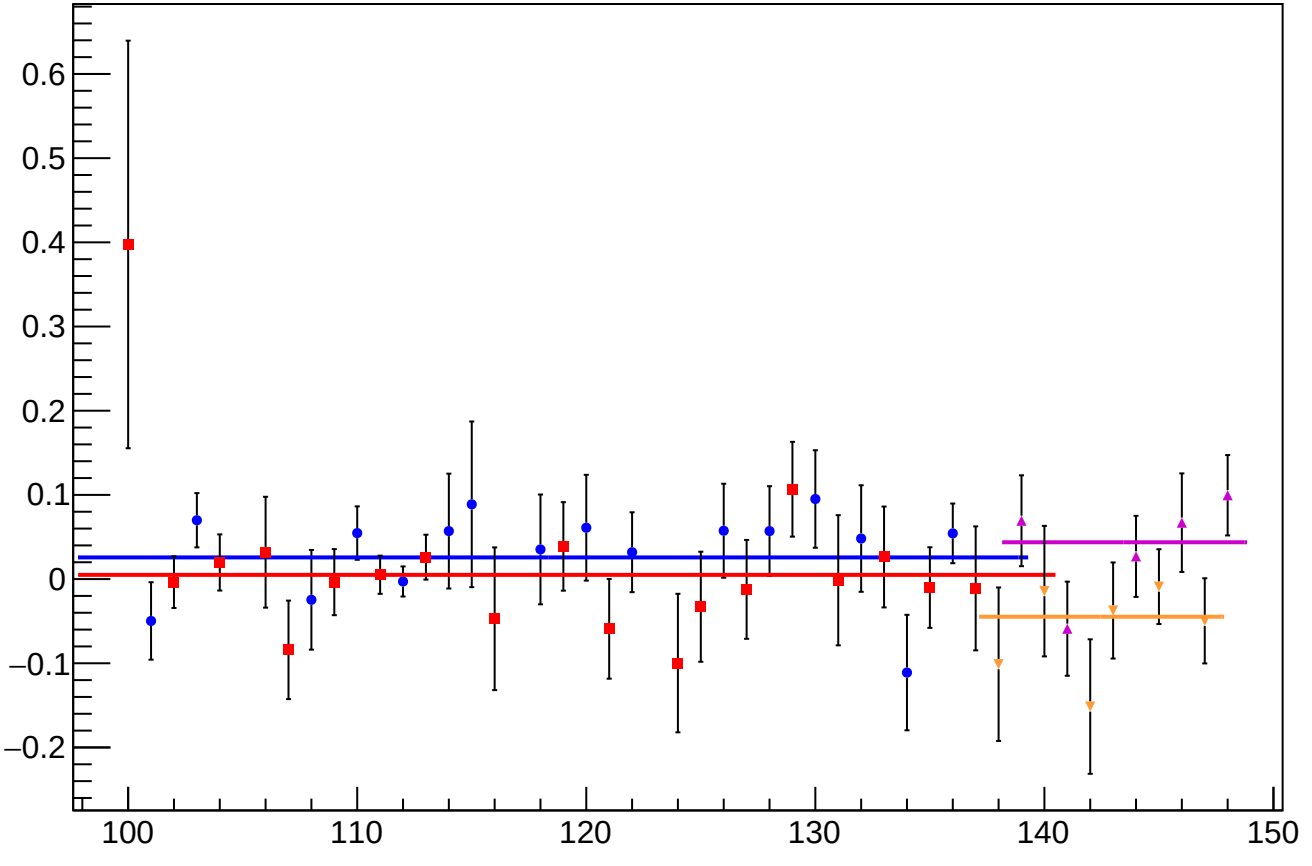
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 28.435+/-0.007 χ^2/NDF:3924142.4/20

Out: 29.265+/-0.007 χ^2/NDF:3695310.8/24

All: 28.847+/-0.005 χ^2/NDF: 7627076.0/45

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

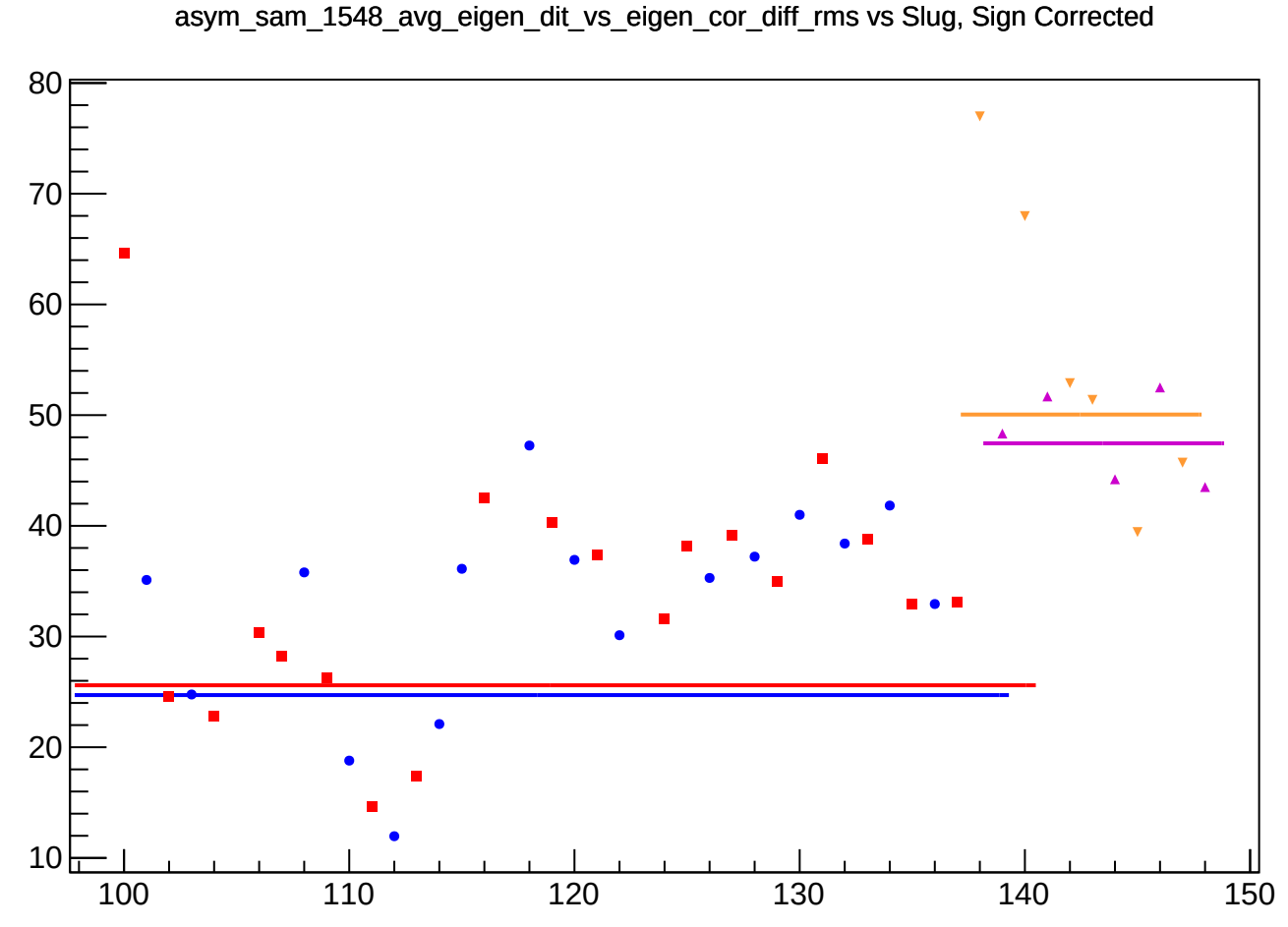
Left: 0.002+/-0.017 χ^2/NDF: 15.0/10

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.013+/-0.007 χ^2/NDF: 47.7/45



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 50.053+/-0.017 χ^2/NDF:414230.5/5

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 47.455+/-0.017 χ^2/NDF:49669.5/4

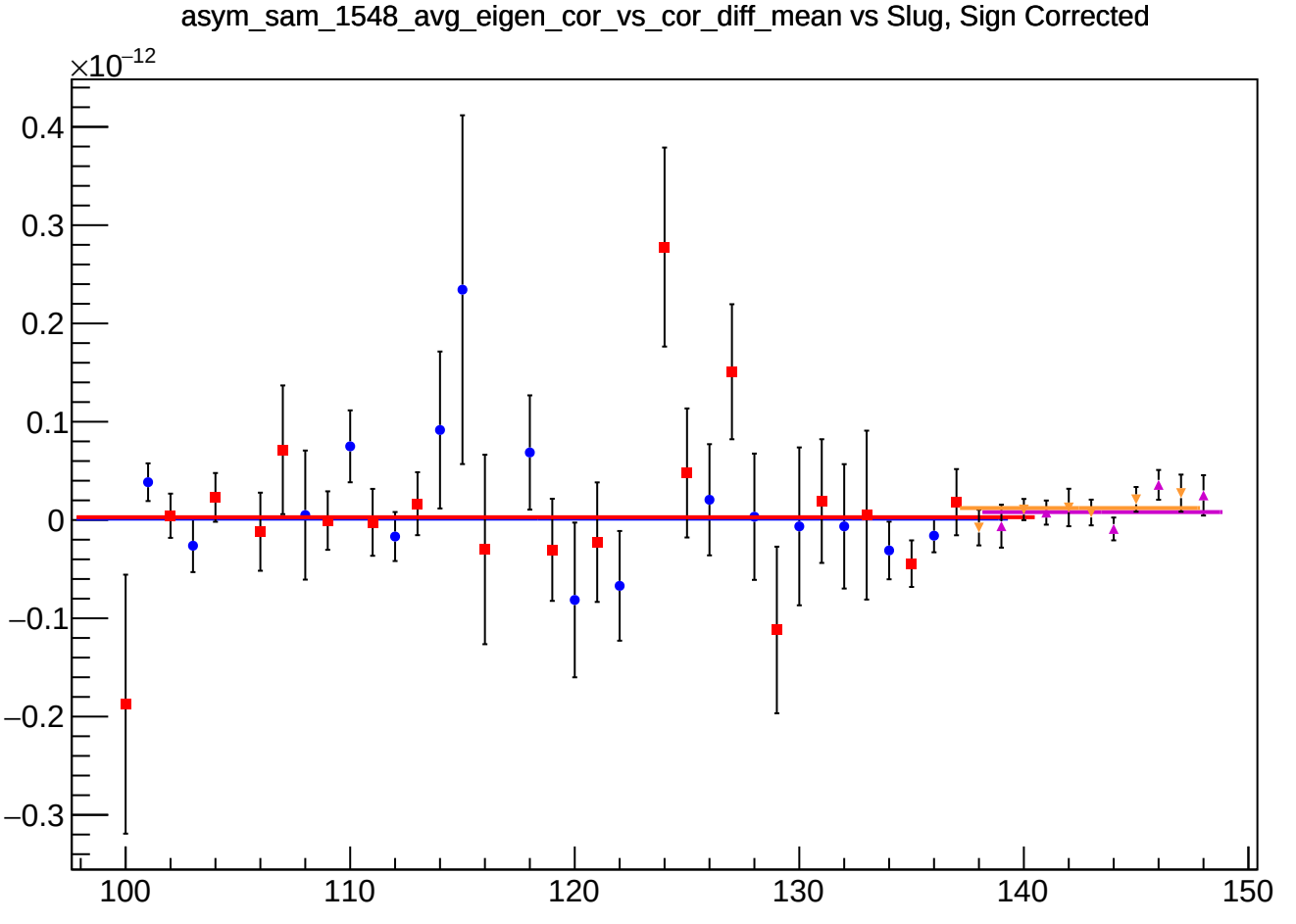
Left: 48.688+/-0.012 χ^2/NDF: 475592.3/10

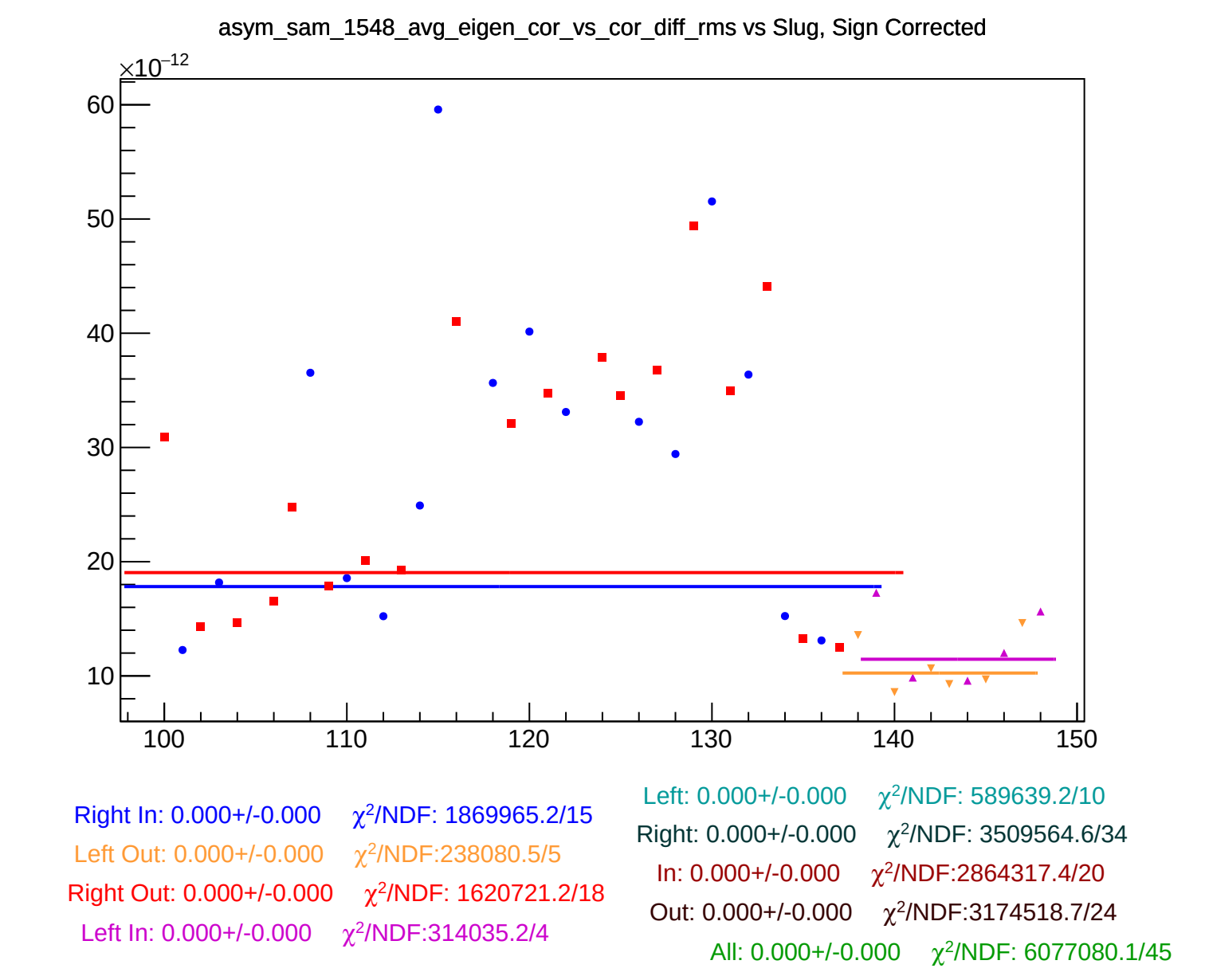
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

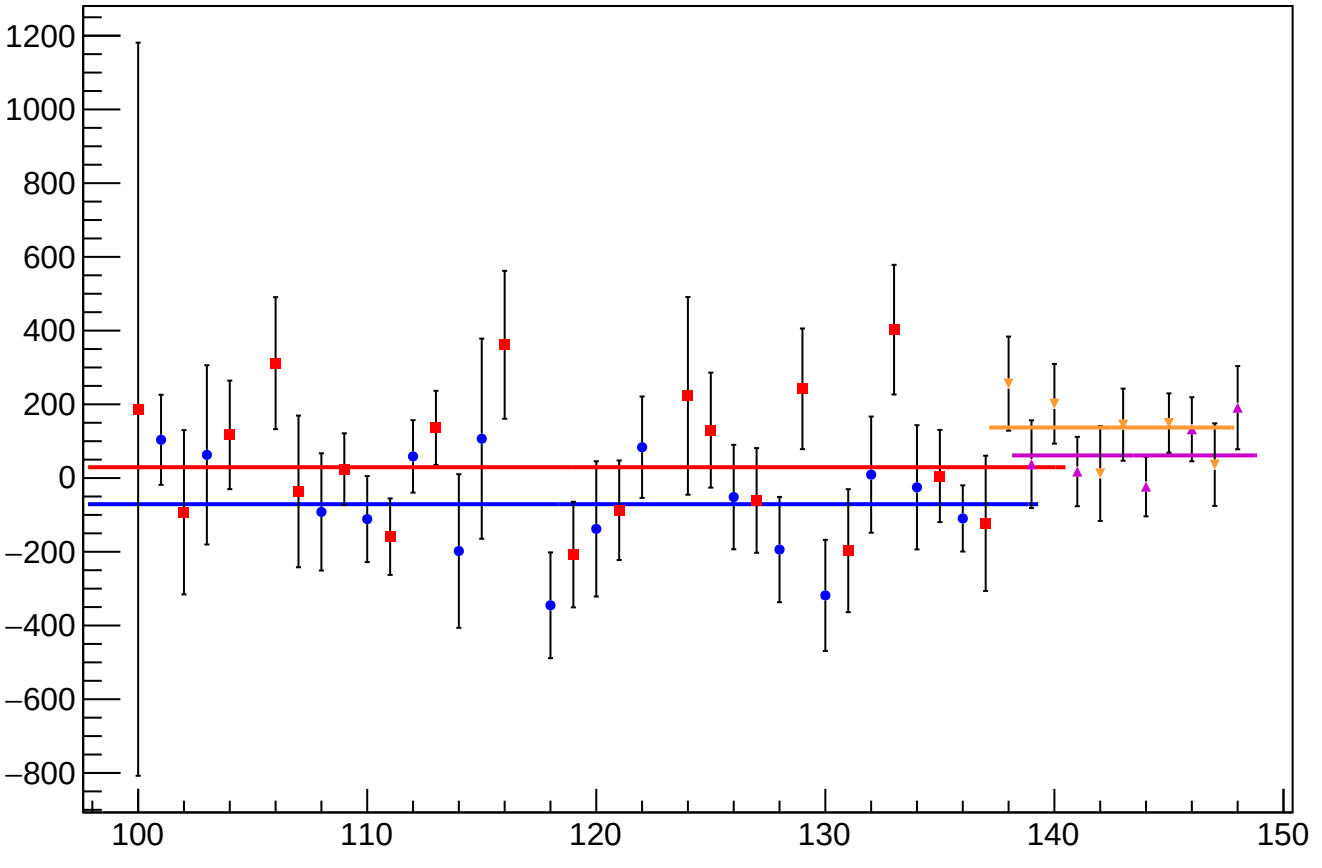
In: 28.435+/-0.007 χ^2/NDF:3924142.4/20

Out: 29.265+/-0.007 χ^2/NDF:3695310.8/24

All: 28.847+/-0.005 χ^2/NDF: 7627076.0/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:6.6/4
Left: 0.000+/-0.000 χ²/NDF: 9.3/10
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:25.7/20
Out: 0.000+/-0.000 χ²/NDF:26.7/24
All: 0.000+/-0.000 χ²/NDF: 52.7/45


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:238080.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:314035.2/4
Left: 0.000+/-0.000 χ²/NDF: 589639.2/10
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2864317.4/20
Out: 0.000+/-0.000 χ²/NDF:3174518.7/24
All: 0.000+/-0.000 χ²/NDF: 6077080.1/45



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.066+/-42.785 χ^2/NDF:3.0/5

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 61.397+/-42.729 χ^2/NDF:3.3/4

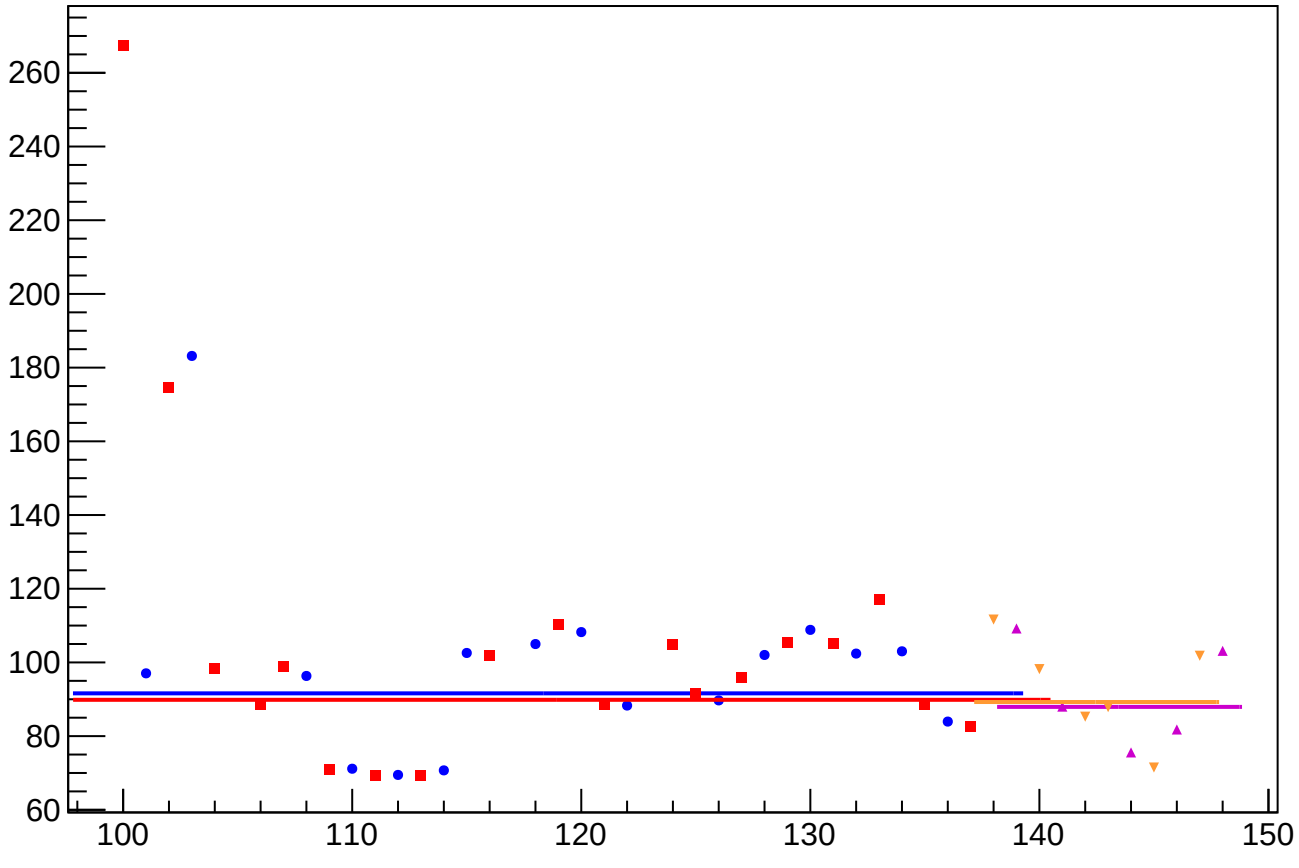
Left: 99.182+/-30.234 χ^2/NDF: 7.9/10

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -17.551+/-27.133 χ^2/NDF:23.1/20

Out: 71.444+/-26.735 χ^2/NDF:30.9/24

All: 27.604+/-19.043 χ^2/NDF: 59.4/45



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

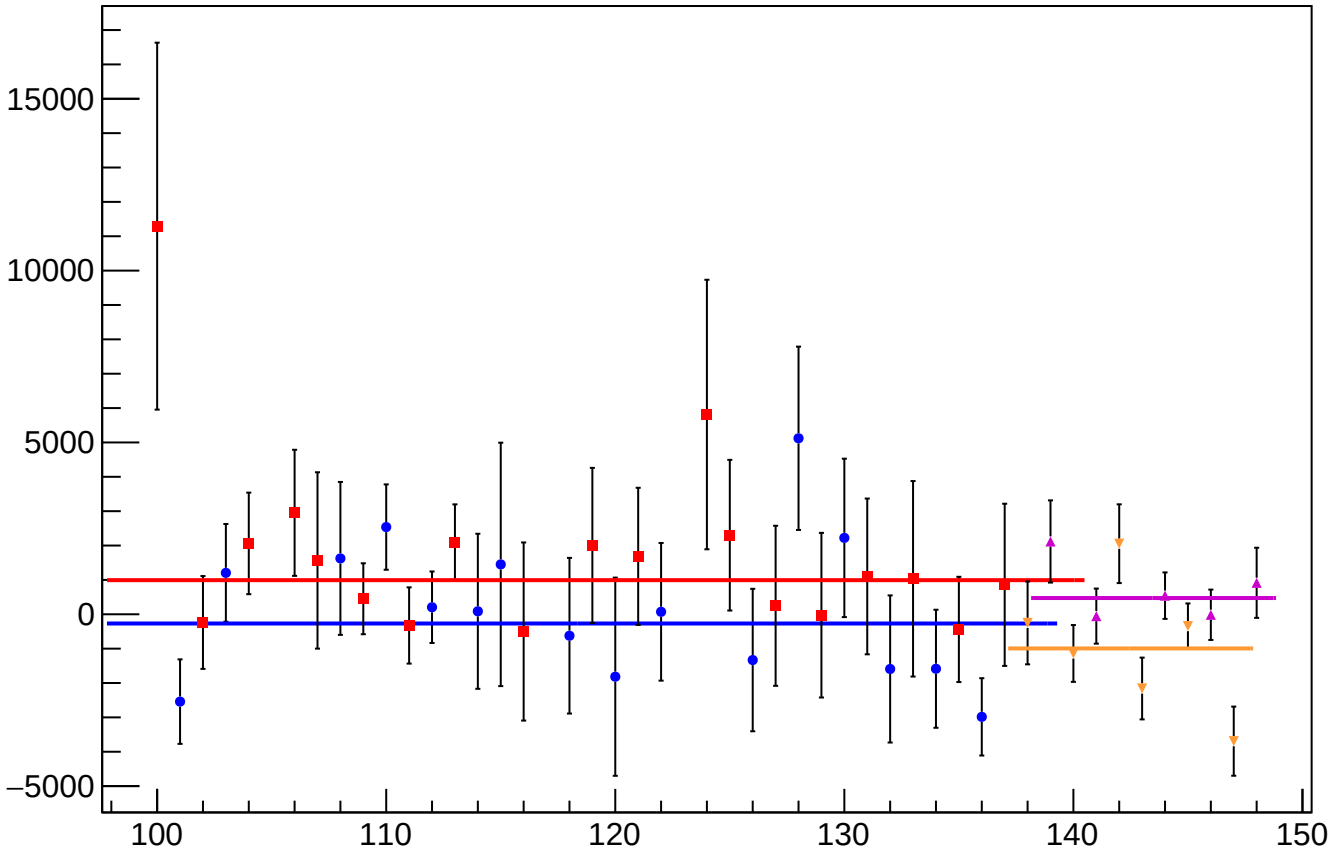
Left: 88.593+/-0.021 χ^2/NDF: 358424.0/10

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.126+/-0.019 χ^2/NDF:746474.2/20

Out: 89.620+/-0.019 χ^2/NDF:947022.9/24

All: 89.870+/-0.013 χ^2/NDF: 1693849.8/45



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -993.983+/-366.755 χ^2/NDF:17.3/5

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 472.829+/-370.883 χ^2/NDF:3.0/4

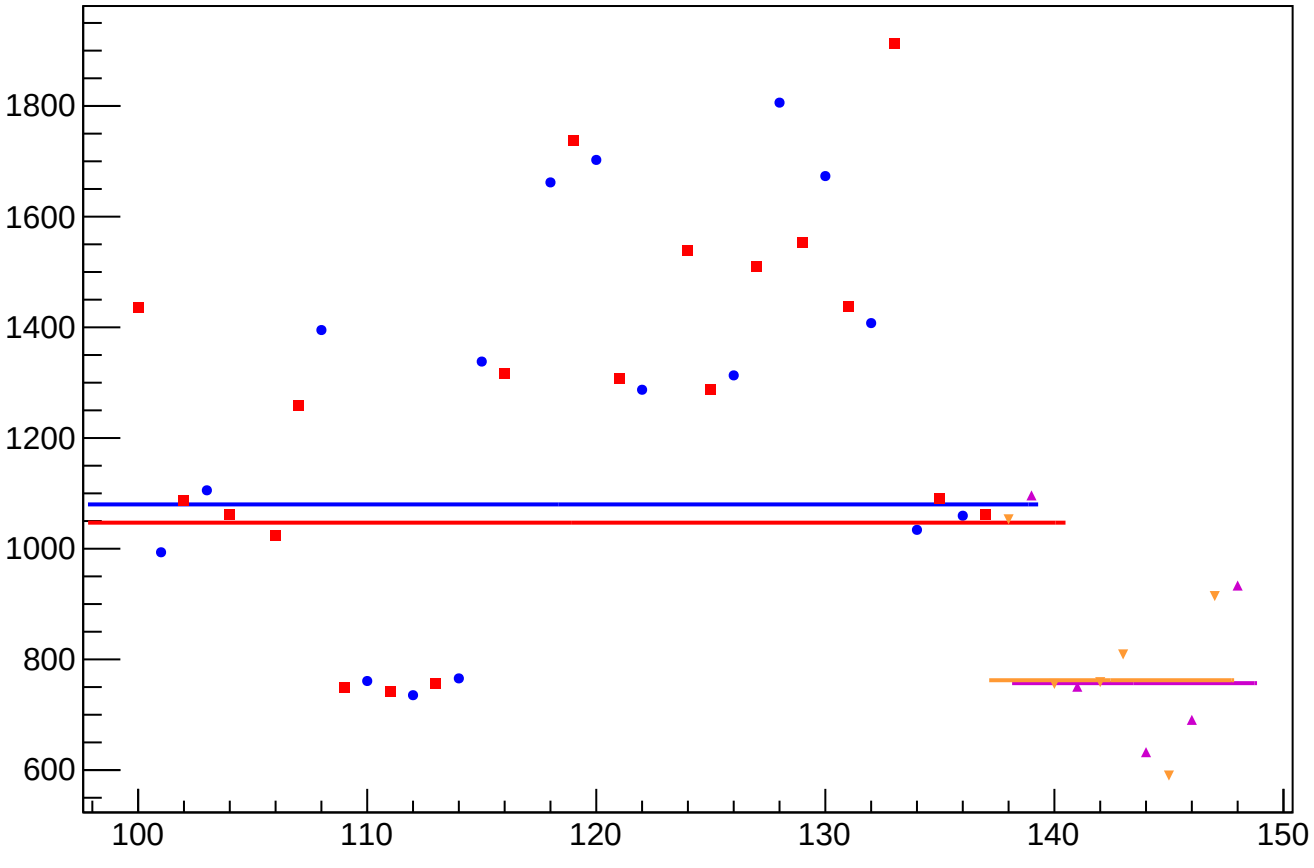
Left: -268.786+/-260.782 χ^2/NDF: 28.2/10

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 147.666+/-277.883 χ^2/NDF:28.2/20

Out: -88.662+/-270.579 χ^2/NDF:43.4/24

All: 26.356+/-193.859 χ^2/NDF: 71.9/45



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 762.350+/-0.259 χ^2/NDF:303728.5/5

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 757.082+/-0.262 χ^2/NDF:305285.6/4

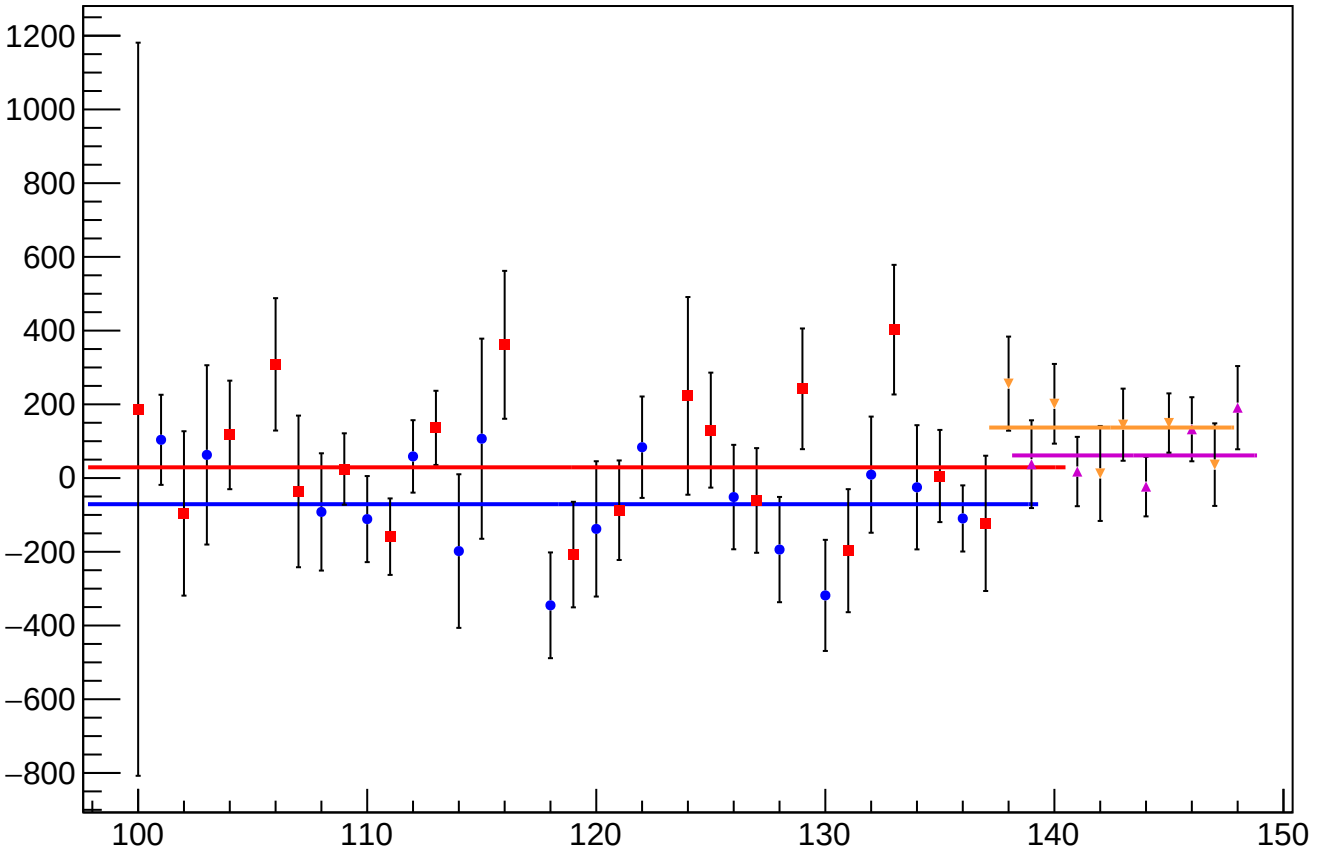
Left: 759.746+/-0.184 χ^2/NDF: 609218.2/10

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 898.743+/-0.196 χ^2/NDF:2023966.1/20

Out: 892.096+/-0.191 χ^2/NDF:2051646.4/24

All: 895.331+/-0.137 χ^2/NDF: 4076200.0/45



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.081+/-42.785 χ^2/NDF:3.0/5

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 61.402+/-42.729 χ^2/NDF:3.3/4

Left: 99.192+/-30.234 χ^2/NDF: 7.9/10

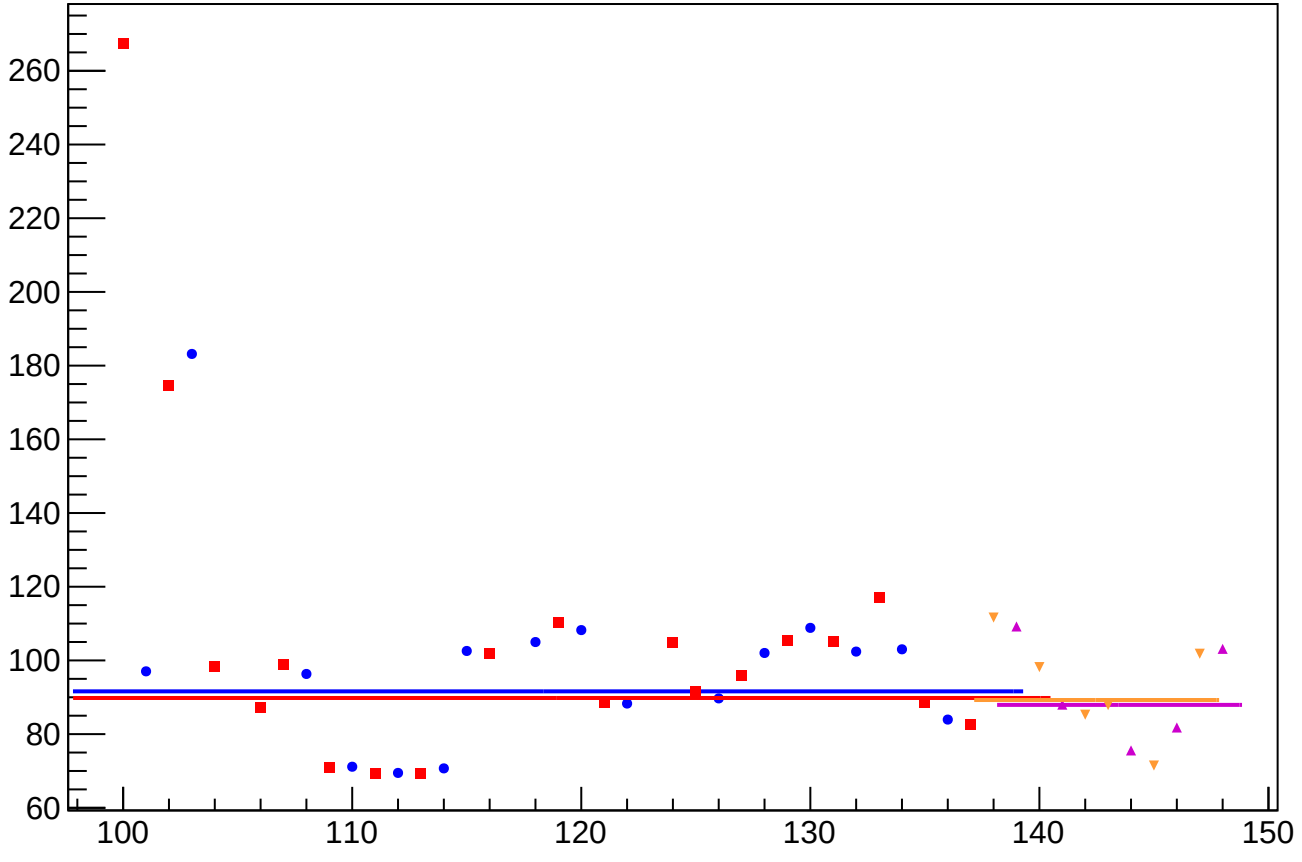
Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -17.556+/-27.133 χ^2/NDF:23.1/20

Out: 71.304+/-26.737 χ^2/NDF:30.8/24

All: 27.527+/-19.044 χ^2/NDF: 59.4/45

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

Left: 88.593+/-0.021 χ^2/NDF: 358424.0/10

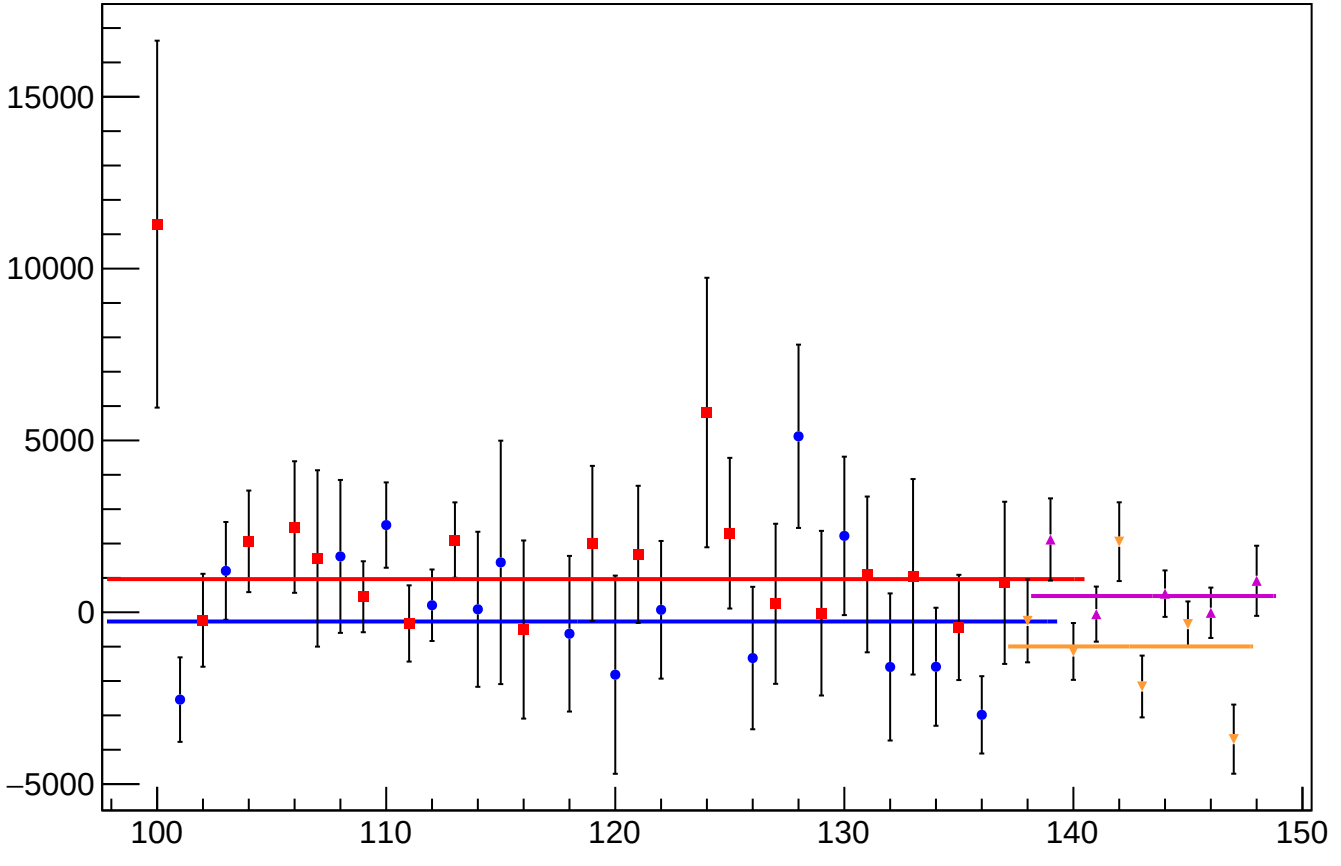
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.126+/-0.019 χ^2/NDF:746477.4/20

Out: 89.592+/-0.019 χ^2/NDF:947530.9/24

All: 89.855+/-0.013 χ^2/NDF: 1694402.4/45

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -993.967+/-366.755 χ^2/NDF:17.3/5

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 472.838+/-370.883 χ^2/NDF:3.0/4

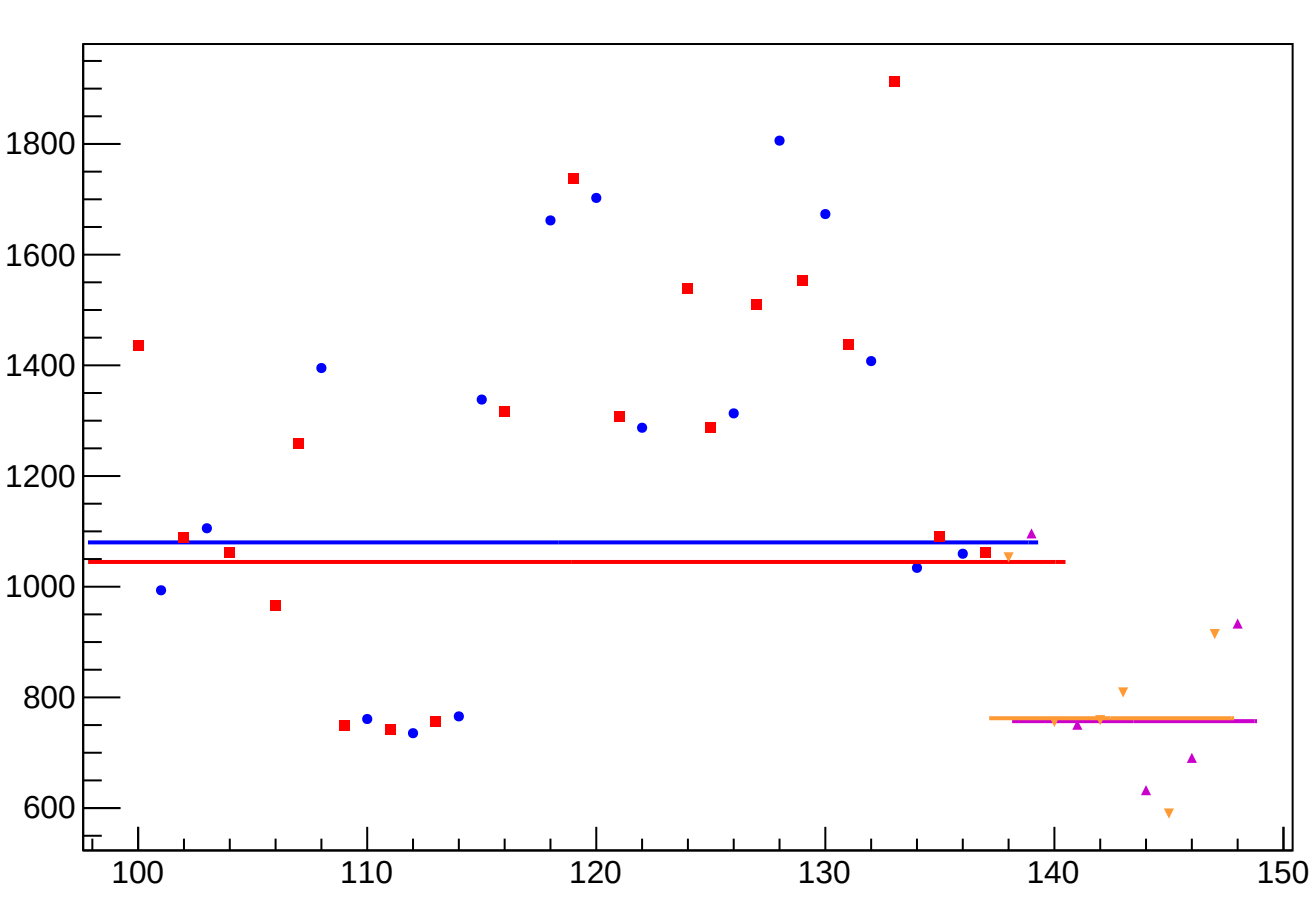
Left: -268.774+/-260.782 χ^2/NDF: 28.2/10

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 147.665+/-277.884 χ^2/NDF:28.2/20

Out: -103.228+/-270.827 χ^2/NDF:42.4/24

All: 18.993+/-193.951 χ^2/NDF: 71.0/45



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 762.350+/-0.259 χ^2/NDF:303729.0/5

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

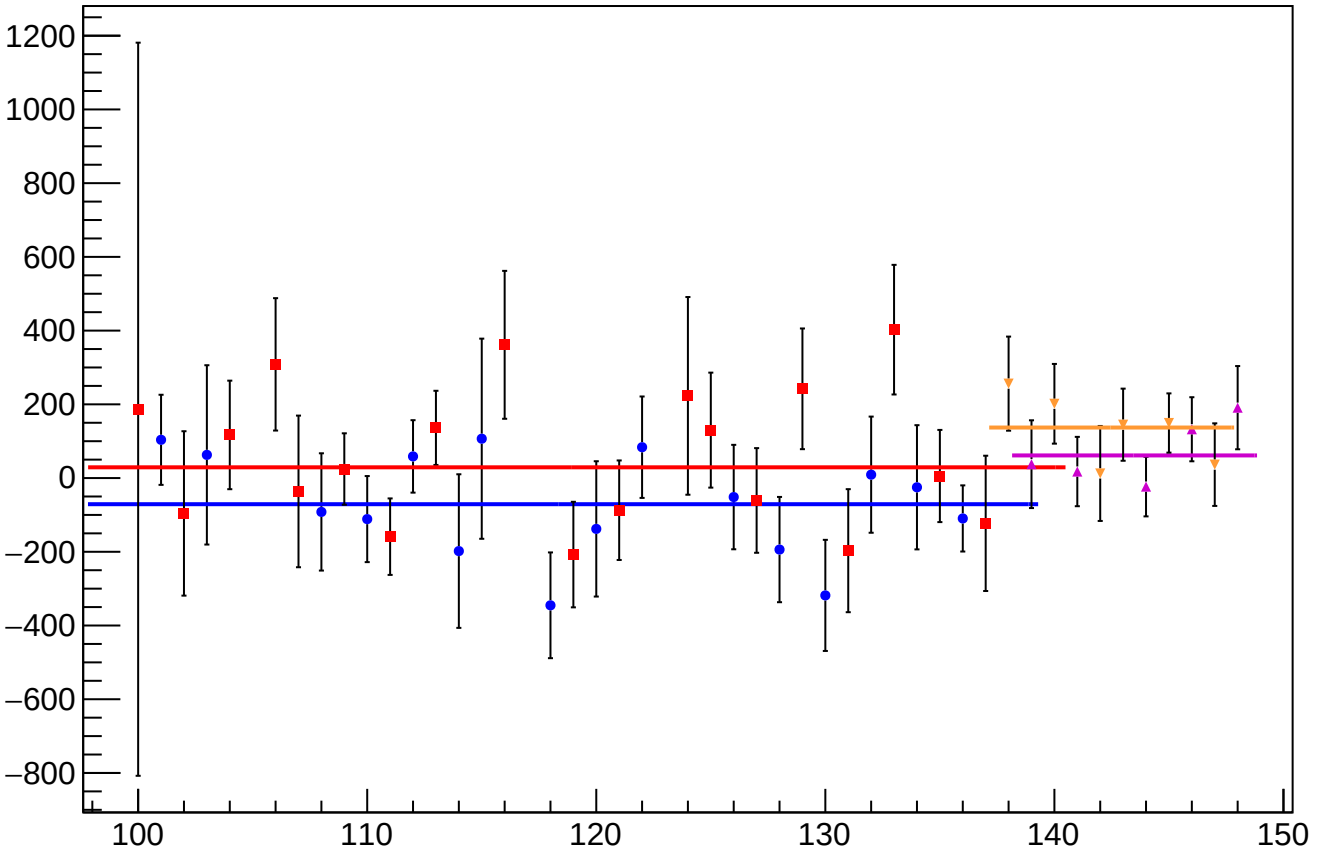
Left: 759.745+/-0.184 χ^2/NDF: 609217.8/10

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 898.746+/-0.196 χ^2/NDF:2023999.9/20

Out: 890.742+/-0.192 χ^2/NDF:2044610.2/24

All: 894.641+/-0.137 χ^2/NDF: 4069461.0/45



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.081+/-42.785 χ^2/NDF:3.0/5

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 61.402+/-42.729 χ^2/NDF:3.3/4

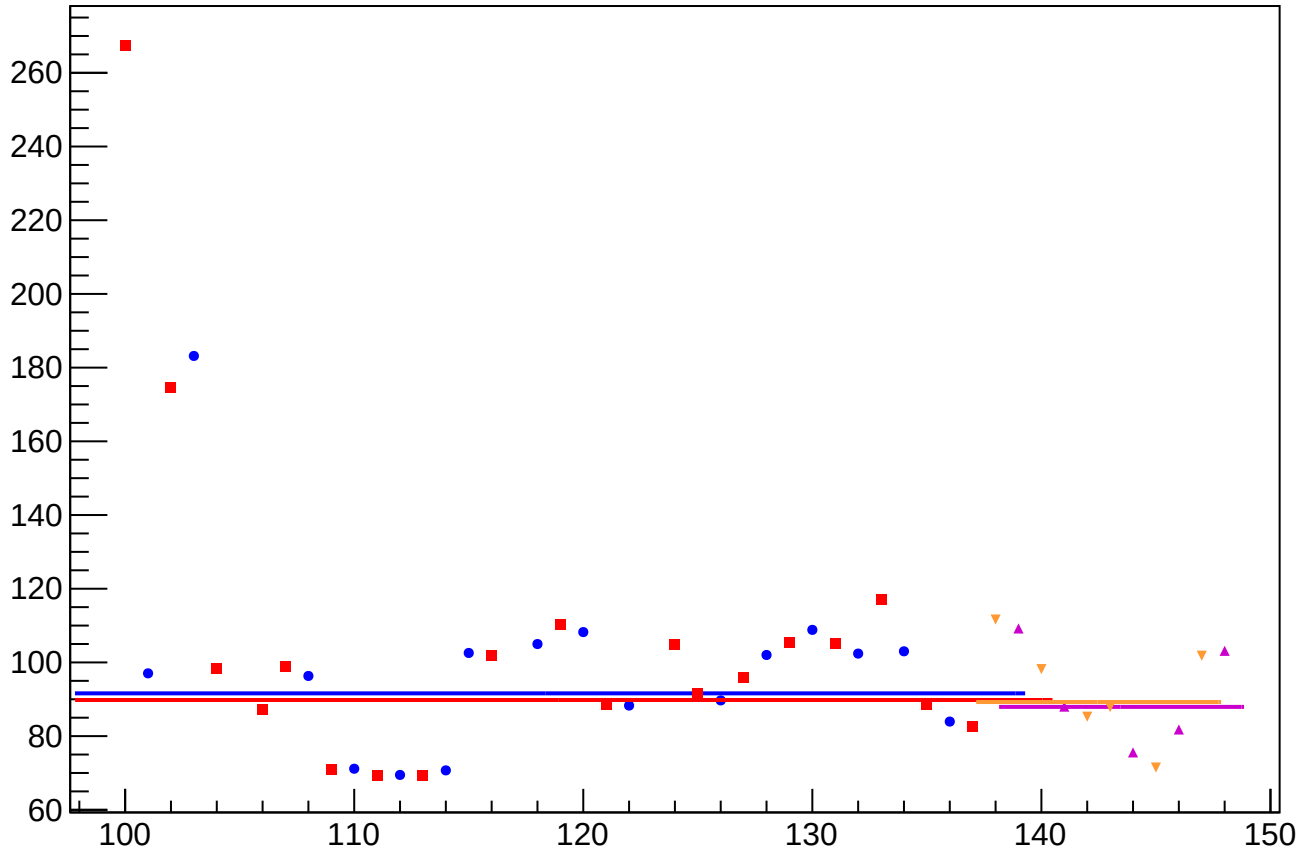
Left: 99.192+/-30.234 χ^2/NDF: 7.9/10

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -17.556+/-27.133 χ^2/NDF:23.1/20

Out: 71.304+/-26.737 χ^2/NDF:30.8/24

All: 27.527+/-19.044 χ^2/NDF: 59.4/45



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

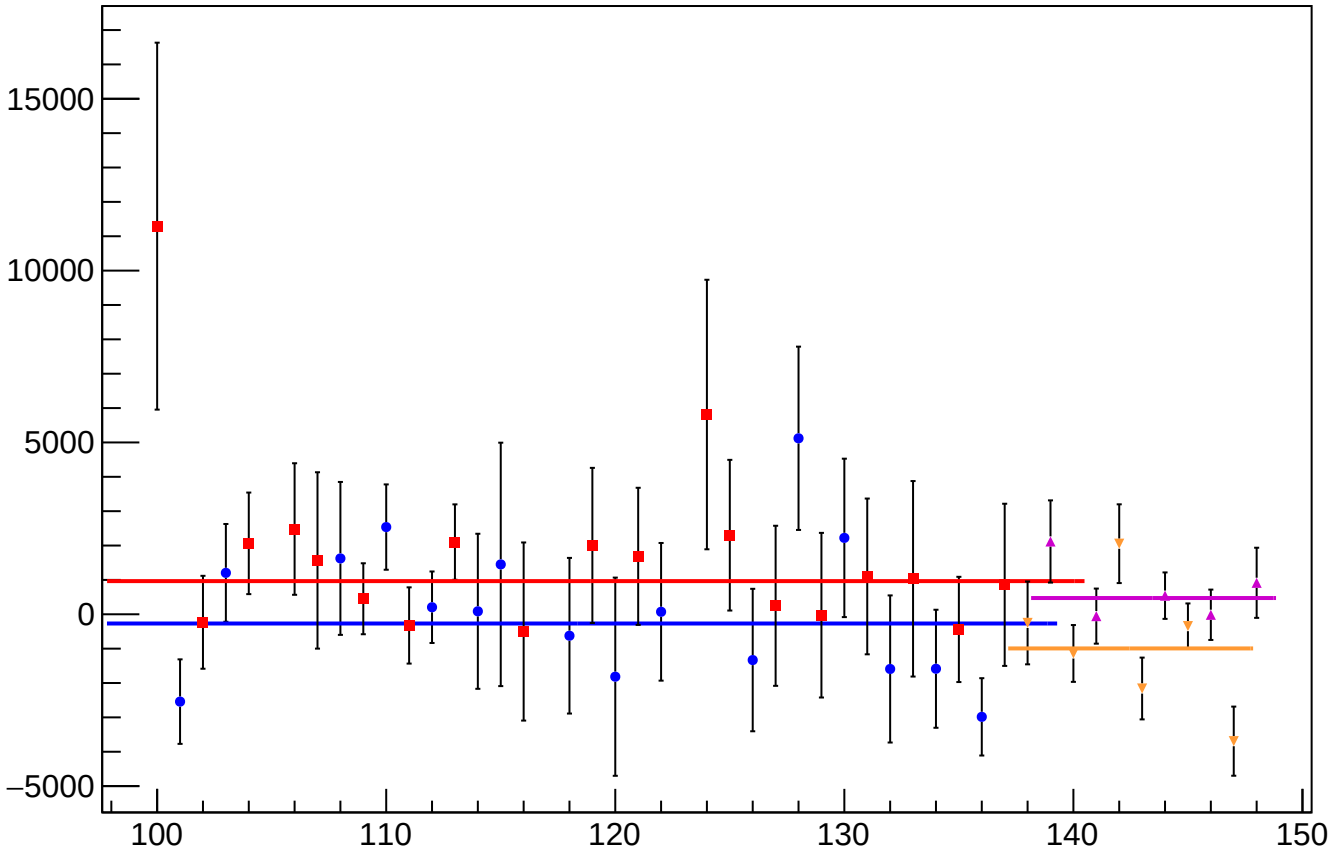
Left: 88.593+/-0.021 χ^2/NDF: 358424.0/10

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.126+/-0.019 χ^2/NDF:746477.4/20

Out: 89.592+/-0.019 χ^2/NDF:947530.9/24

All: 89.855+/-0.013 χ^2/NDF: 1694402.4/45



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -993.967+/-366.755 χ^2/NDF:17.3/5

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 472.838+/-370.883 χ^2/NDF:3.0/4

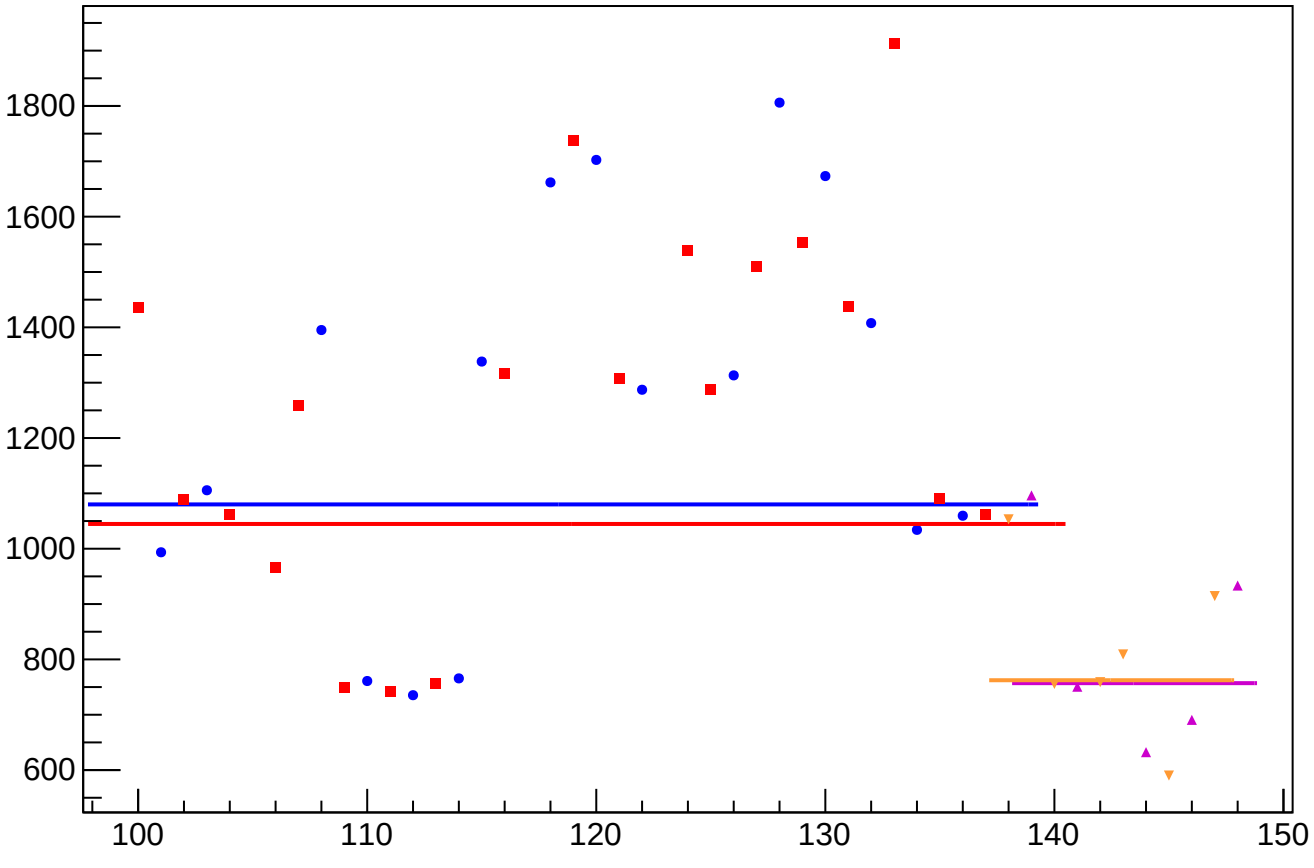
Left: -268.774+/-260.782 χ^2/NDF: 28.2/10

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 147.665+/-277.884 χ^2/NDF:28.2/20

Out: -103.228+/-270.827 χ^2/NDF:42.4/24

All: 18.993+/-193.951 χ^2/NDF: 71.0/45



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 762.350+/-0.259 χ^2/NDF:303729.0/5

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

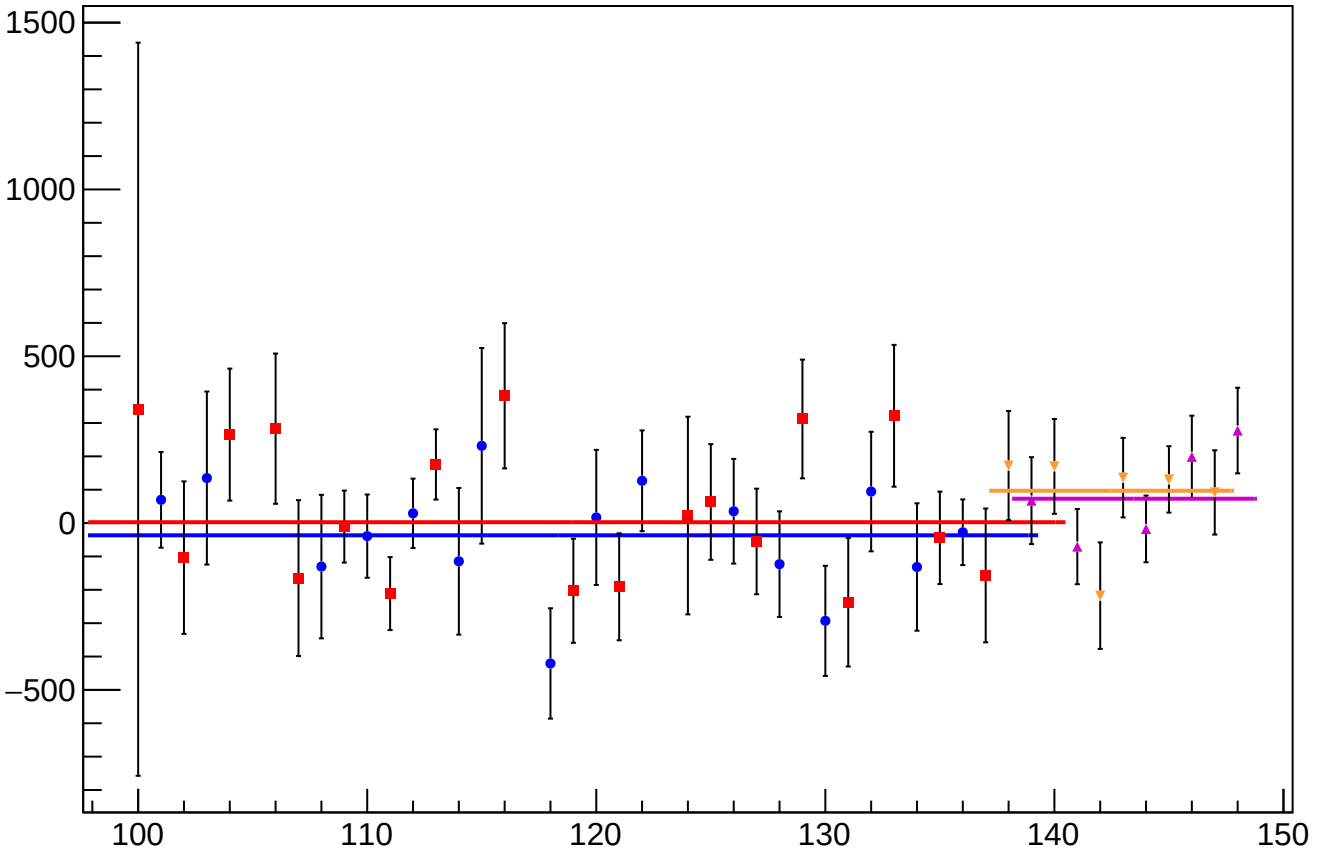
Left: 759.745+/-0.184 χ^2/NDF: 609217.8/10

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 898.746+/-0.196 χ^2/NDF:2023999.9/20

Out: 890.742+/-0.192 χ^2/NDF:2044610.2/24

All: 894.641+/-0.137 χ^2/NDF: 4069461.0/45



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 96.865+/-52.691 χ^2/NDF:4.6/5

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 73.026+/-52.406 χ^2/NDF:6.0/4

Left: 84.881+/-37.157 χ^2/NDF: 10.7/10

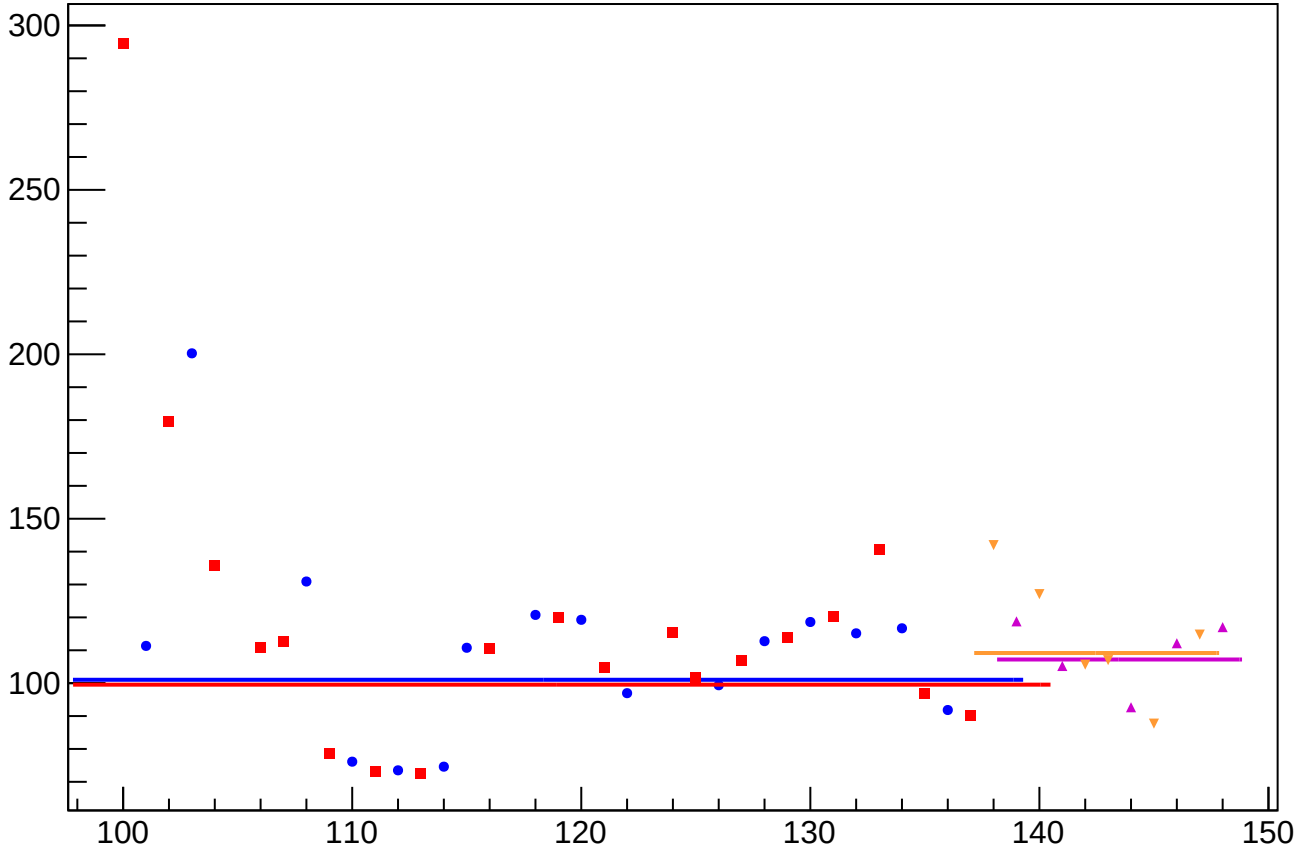
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 2.468+/-31.282 χ^2/NDF:21.7/20

Out: 35.016+/-30.909 χ^2/NDF:31.4/24

All: 18.937+/-21.987 χ^2/NDF: 53.7/45

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 109.173+/-0.037 χ^2/NDF:210887.9/5

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 107.195+/-0.037 χ^2/NDF:73650.3/4

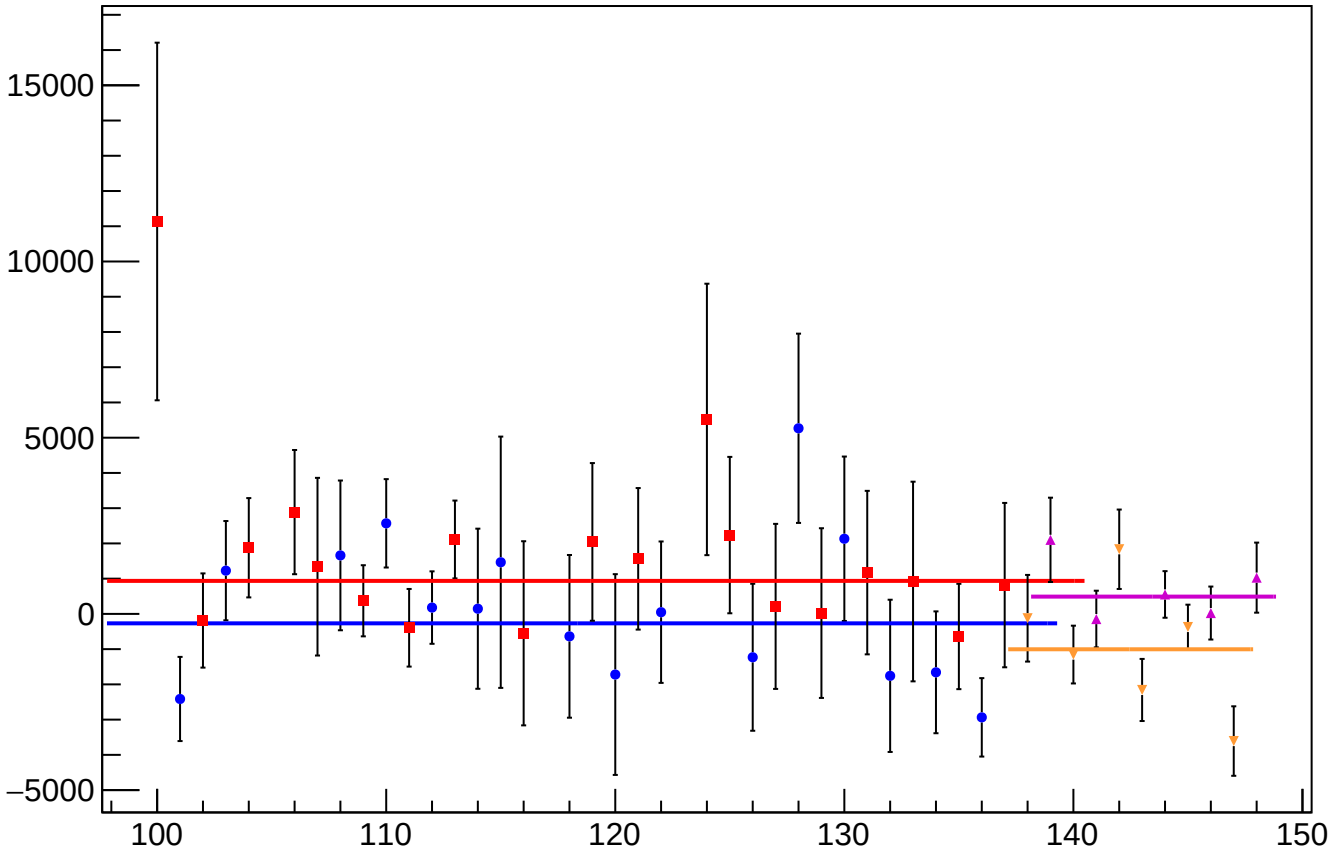
Left: 108.178+/-0.026 χ^2/NDF: 285954.8/10

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.227+/-0.022 χ^2/NDF:807554.1/20

Out: 102.859+/-0.022 χ^2/NDF:1135161.8/24

All: 103.041+/-0.016 χ^2/NDF: 1942856.0/45



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1003.944+/-359.378 χ^2/NDF:16.6/5

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 490.563+/-369.747 χ^2/NDF:3.1/4

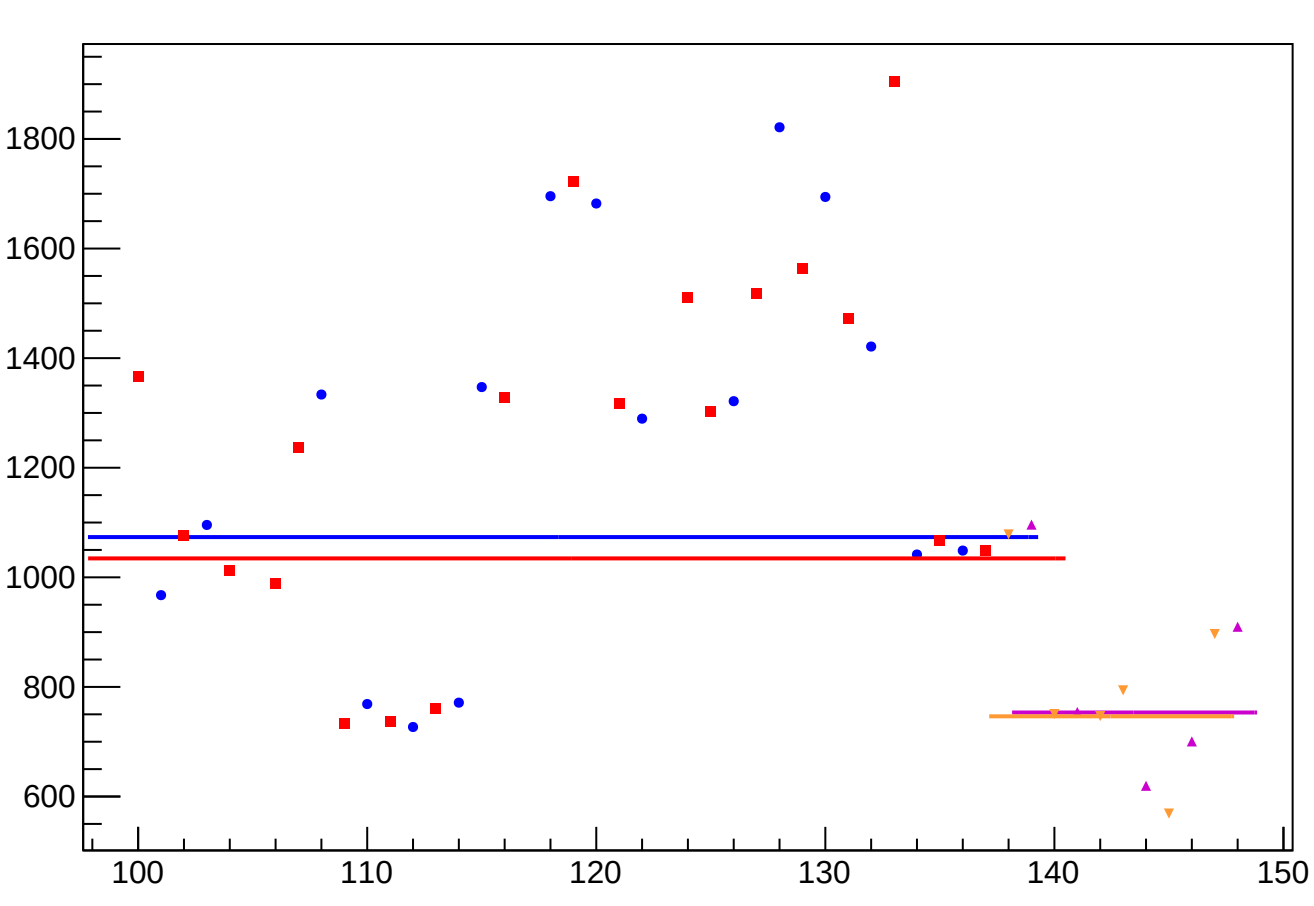
Left: -277.938+/-257.706 χ^2/NDF: 28.1/10

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 156.784+/-276.673 χ^2/NDF:28.4/20

Out: -128.040+/-266.197 χ^2/NDF:42.9/24

All: 8.878+/-191.826 χ^2/NDF: 71.9/45



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 746.346+/-0.254 χ^2/NDF:354684.0/5

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 753.340+/-0.261 χ^2/NDF:305456.6/4

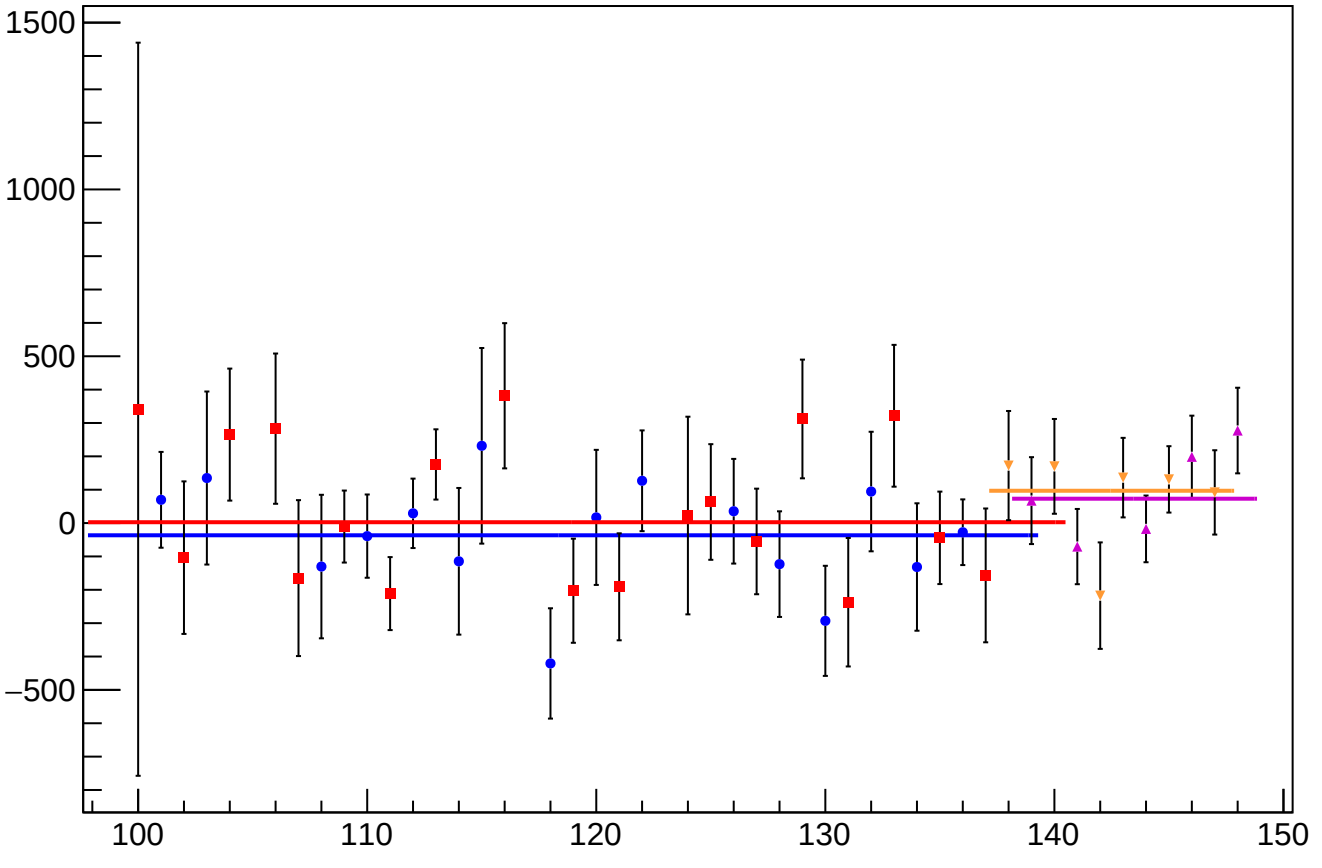
Left: 749.743+/-0.182 χ^2/NDF: 660508.6/10

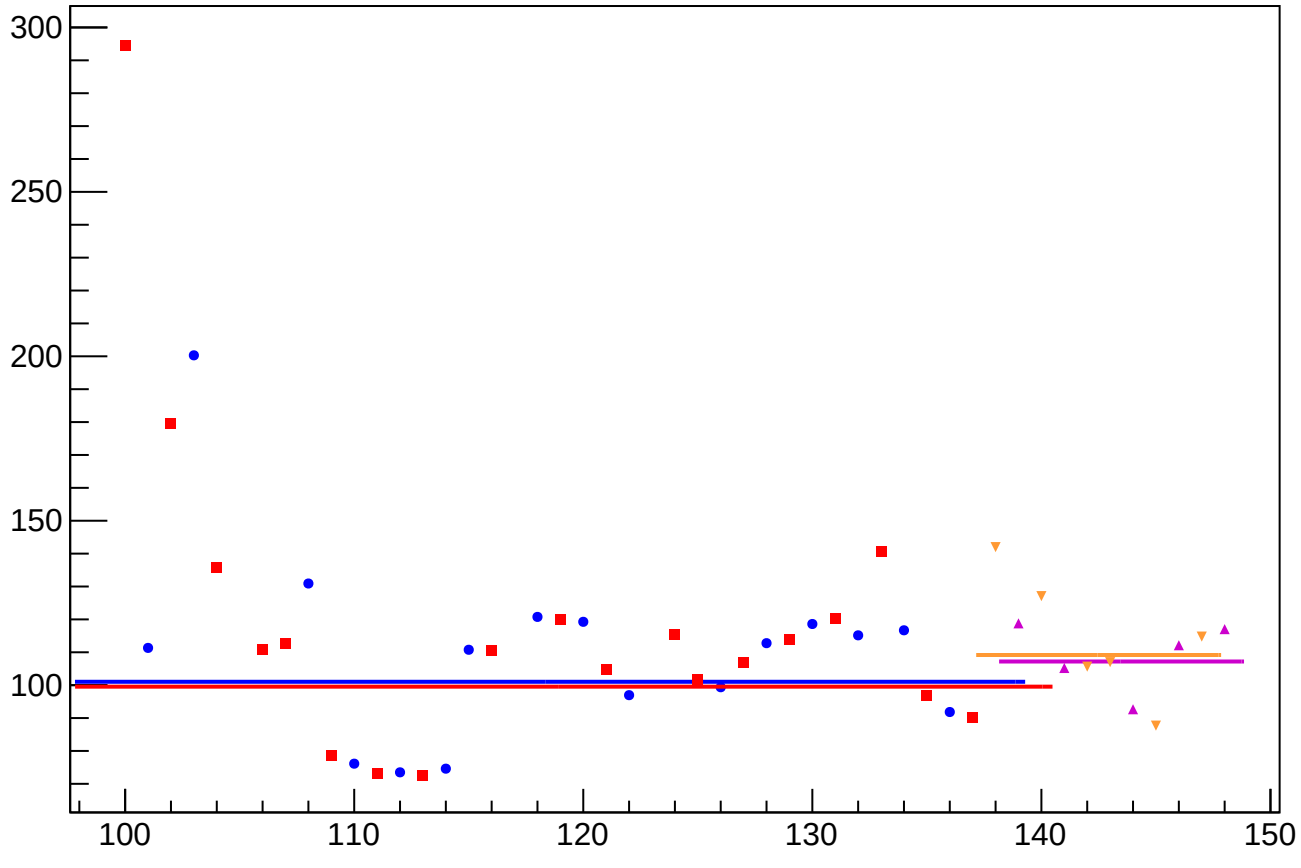
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 894.217+/-0.196 χ^2/NDF:2042247.8/20

Out: 876.417+/-0.188 χ^2/NDF:2164506.0/24

All: 884.973+/-0.136 χ^2/NDF: 4211052.6/45


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 96.864+/-52.691 χ²/NDF:4.6/5
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 73.027+/-52.406 χ²/NDF:6.0/4
Left: 84.881+/-37.157 χ²/NDF: 10.7/10
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 2.469+/-31.282 χ²/NDF:21.7/20
Out: 35.014+/-30.909 χ²/NDF:31.4/24
All: 18.937+/-21.987 χ²/NDF: 53.7/45



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 109.173+/-0.037 χ^2/NDF:210879.9/5

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 107.195+/-0.037 χ^2/NDF:73647.9/4

Left: 108.179+/-0.026 χ^2/NDF: 285944.6/10

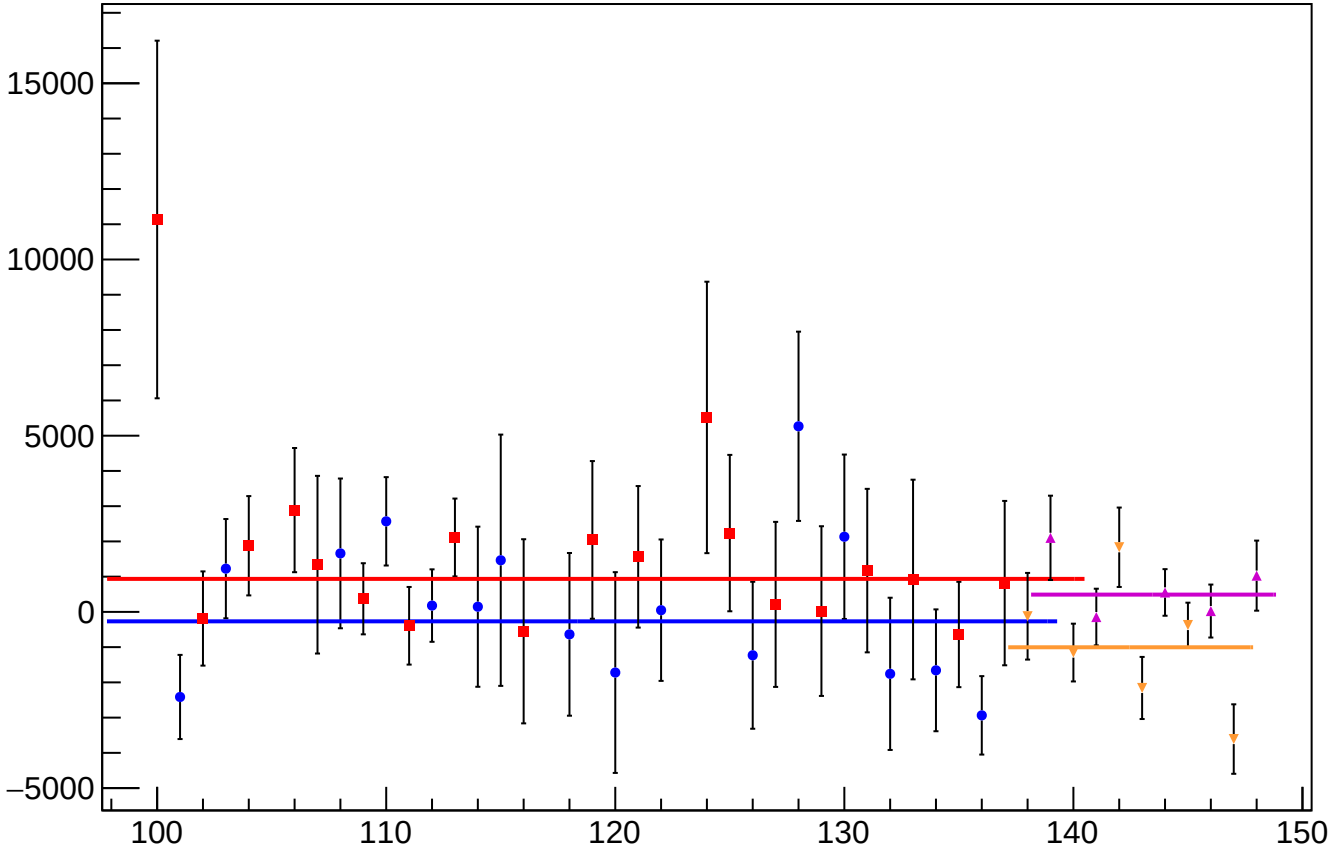
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.228+/-0.022 χ^2/NDF:807551.9/20

Out: 102.860+/-0.022 χ^2/NDF:1135159.4/24

All: 103.041+/-0.016 χ^2/NDF: 1942851.4/45

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1003.944+/-359.378 χ^2/NDF:16.6/5

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 490.563+/-369.746 χ^2/NDF:3.1/4

Left: -277.939+/-257.706 χ^2/NDF: 28.1/10

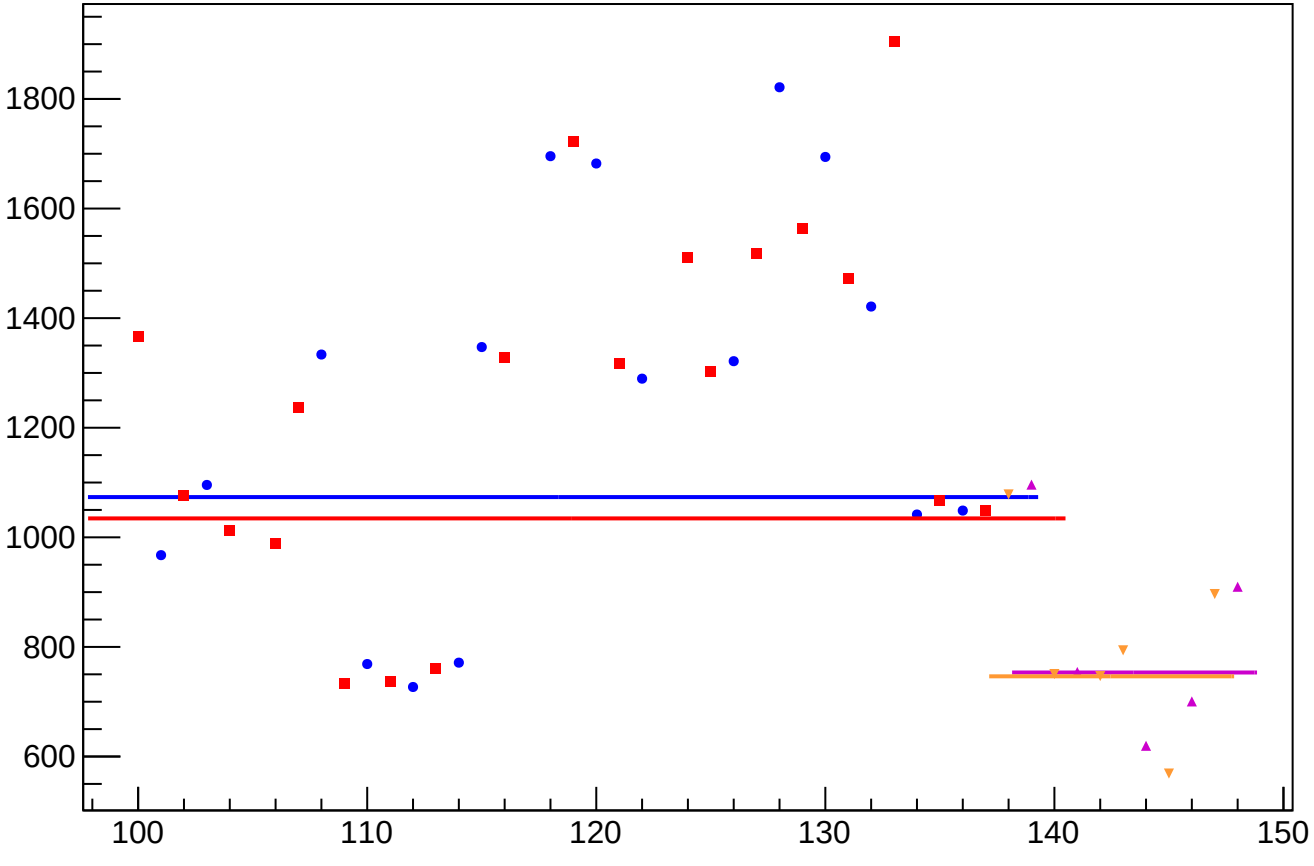
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 156.784+/-276.673 χ^2/NDF:28.4/20

Out: -128.041+/-266.197 χ^2/NDF:42.9/24

All: 8.877+/-191.826 χ^2/NDF: 71.9/45

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: 746.344+/-0.254 χ^2/NDF:354686.8/5

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 753.339+/-0.261 χ^2/NDF:305457.5/4

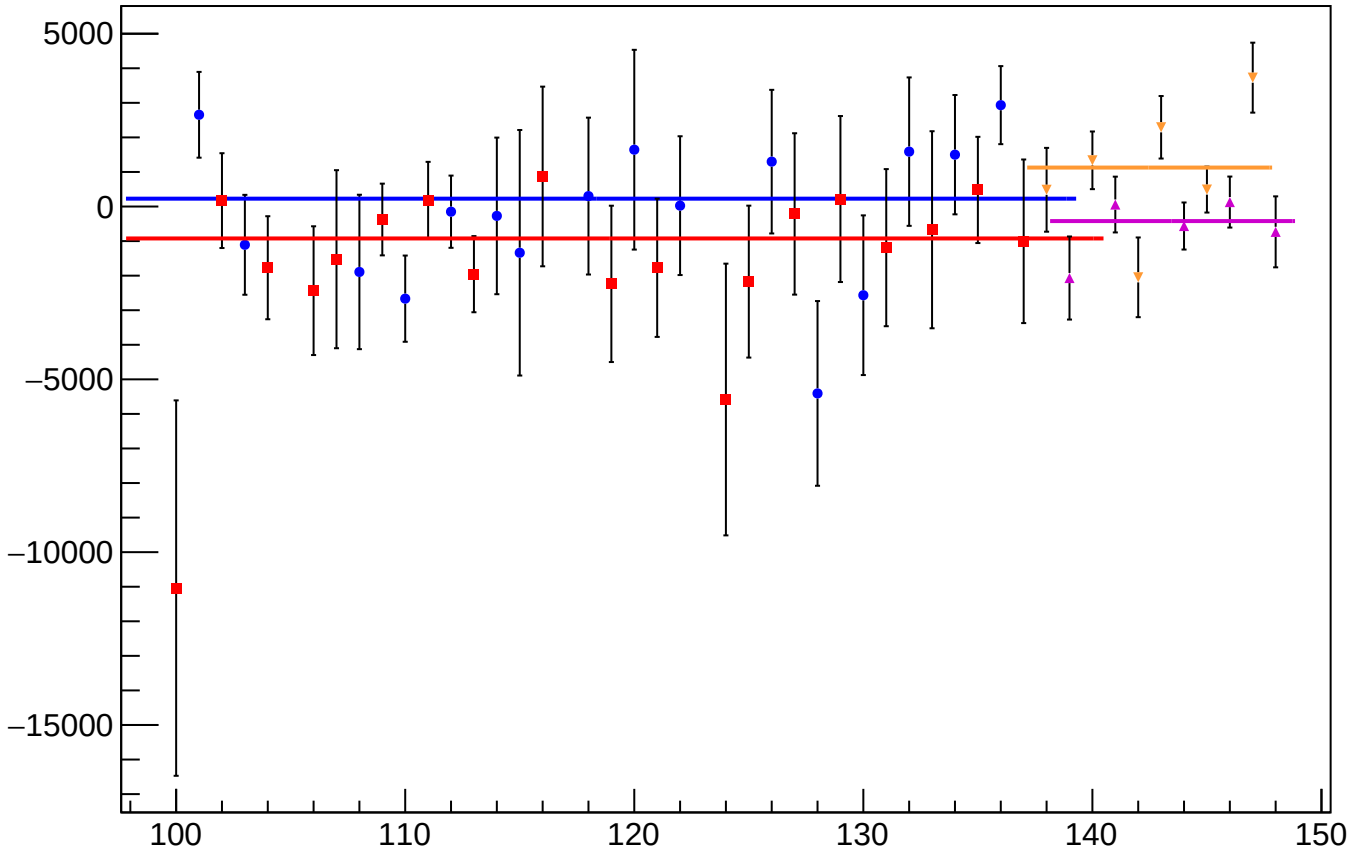
Left: 749.742+/-0.182 χ^2/NDF: 660512.3/10

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 894.216+/-0.196 χ^2/NDF:2042251.2/20

Out: 876.415+/-0.188 χ^2/NDF:2164511.7/24

All: 884.972+/-0.136 χ^2/NDF: 4211061.9/45



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1127.360+/-369.355 χ^2/NDF:17.1/5

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -420.903+/-373.433 χ^2/NDF:2.9/4

Left: 361.729+/-262.603 χ^2/NDF: 28.7/10

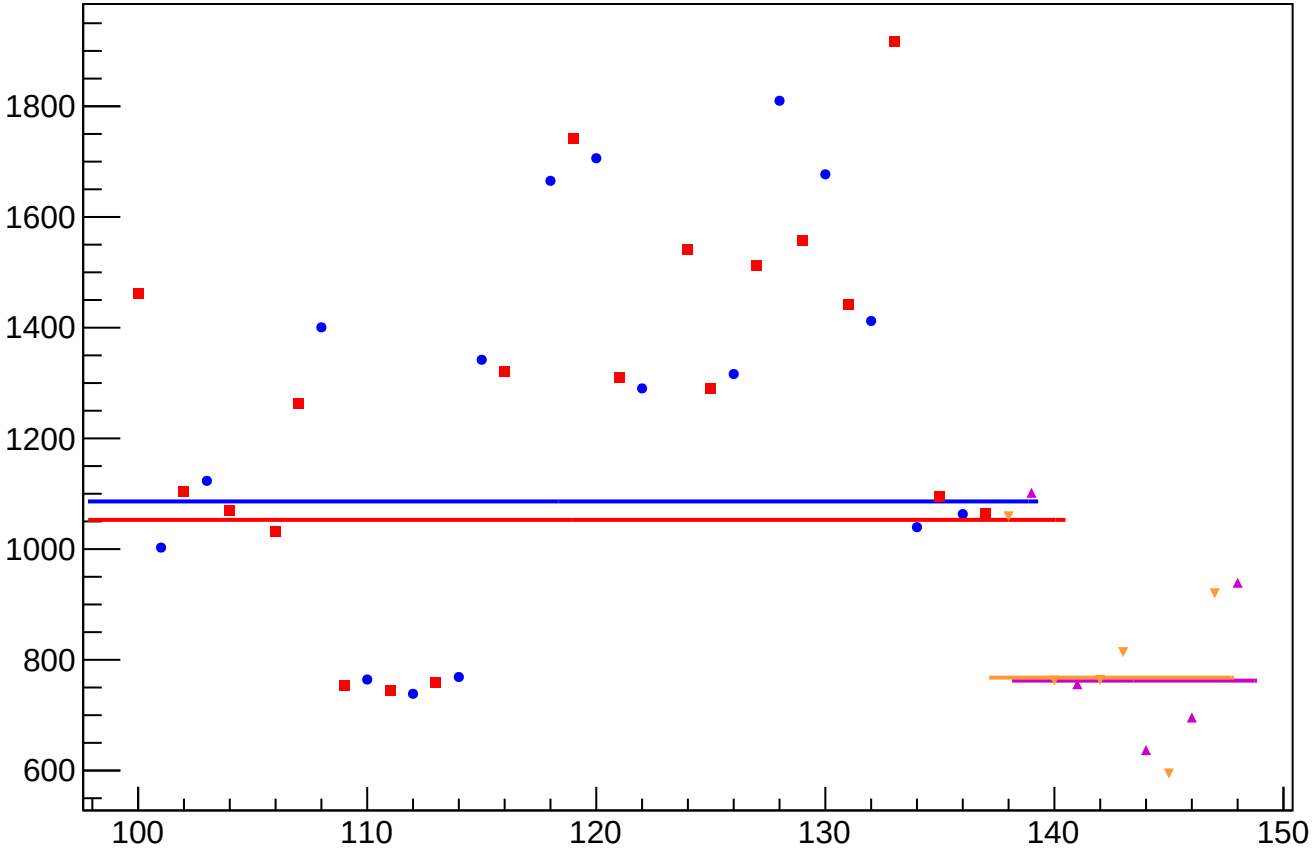
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -136.020+/-279.612 χ^2/NDF:28.7/20

Out: 191.290+/-272.324 χ^2/NDF:42.4/24

All: 31.956+/-195.088 χ^2/NDF: 71.8/45

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 767.838+/-0.261 χ^2/NDF:301798.6/5

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 762.401+/-0.264 χ^2/NDF:303200.2/4

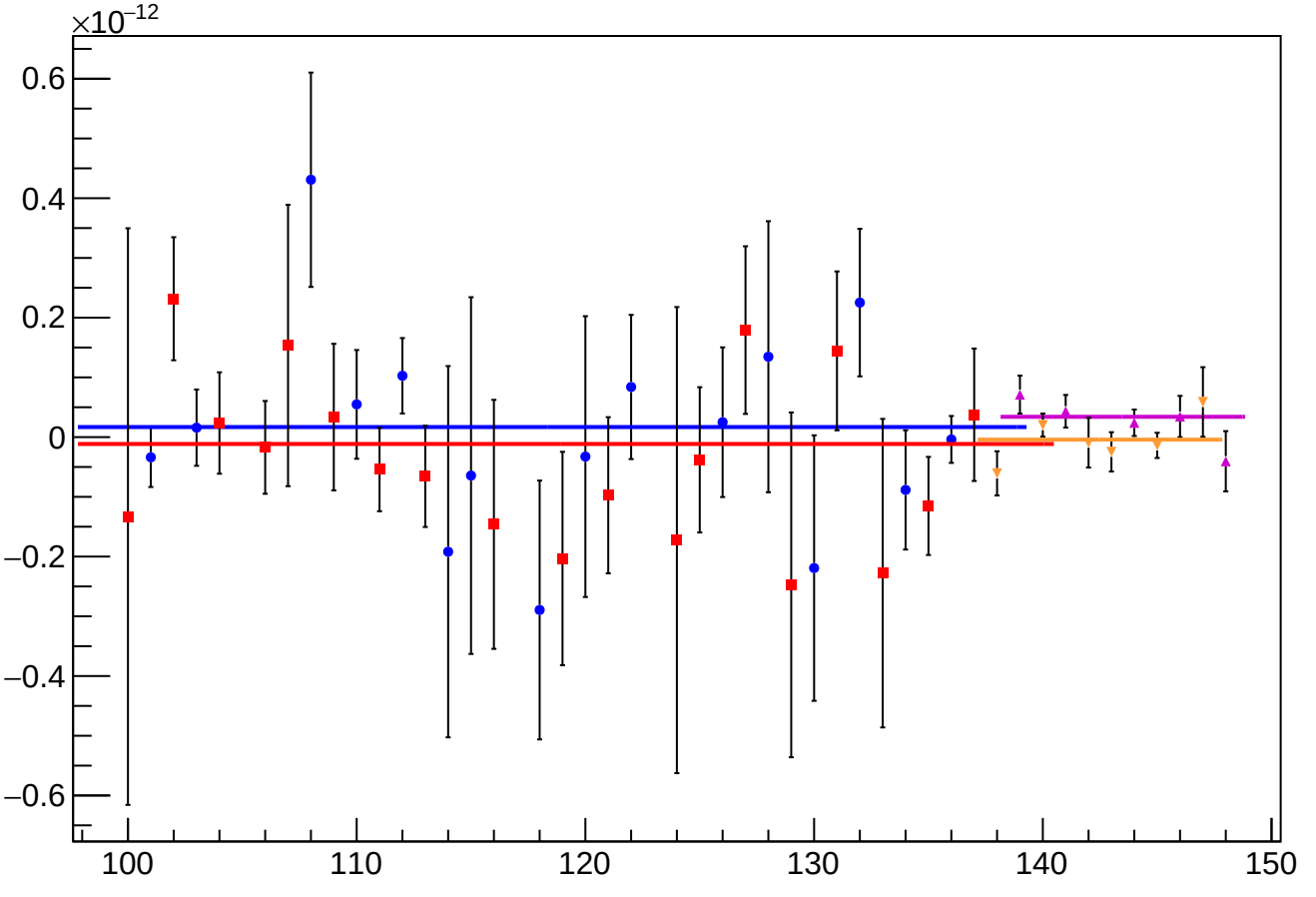
Left: 765.149+/-0.186 χ^2/NDF: 605213.2/10

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 904.637+/-0.198 χ^2/NDF:2011081.1/20

Out: 897.907+/-0.193 χ^2/NDF:2039659.4/24

All: 901.183+/-0.138 χ^2/NDF: 4051335.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

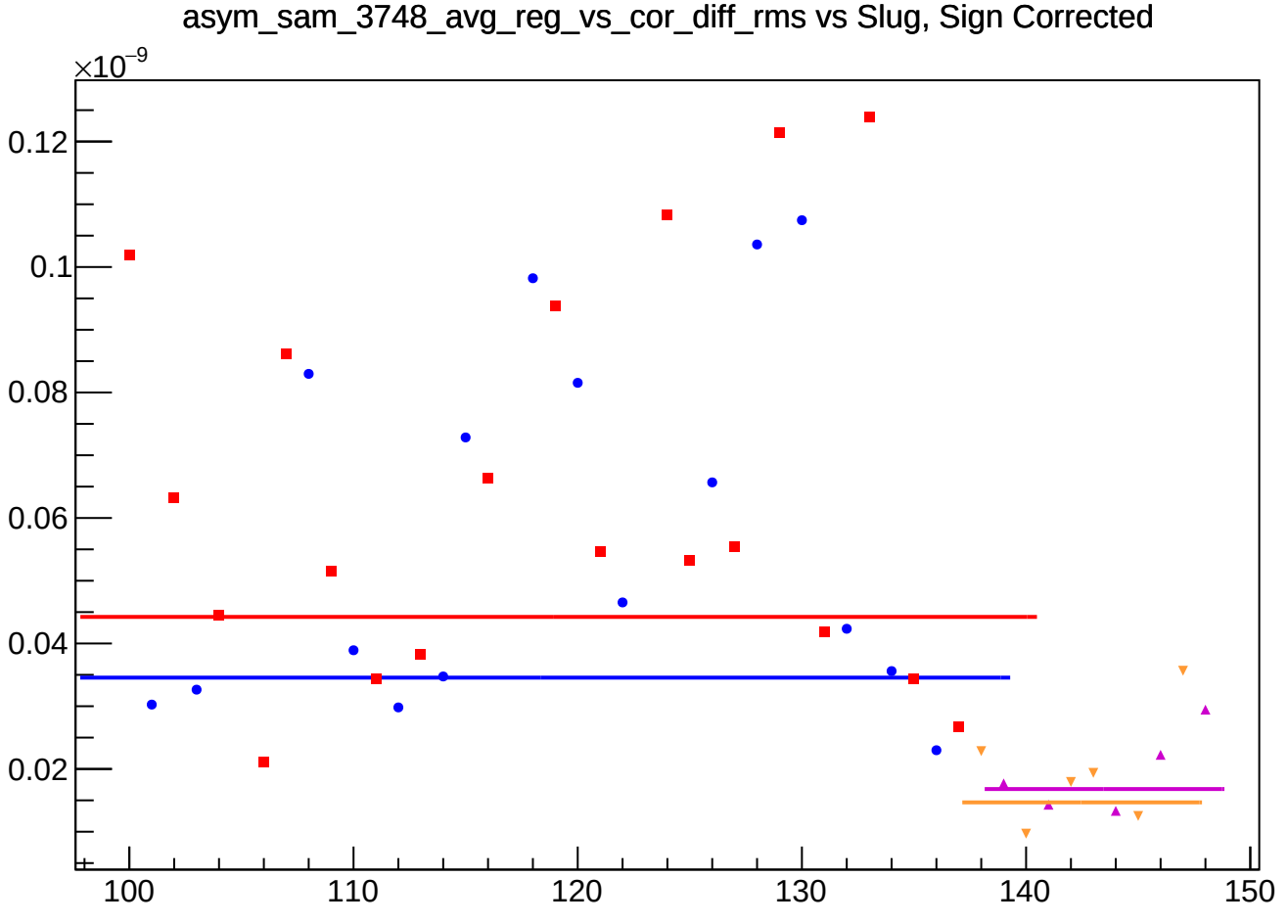
Left: 0.000+/-0.000 χ^2/NDF: 14.3/10

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:21.2/20

Out: -0.000+/-0.000 χ^2/NDF:21.6/24

All: 0.000+/-0.000 χ^2/NDF: 47.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:566077.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:243691.3/4

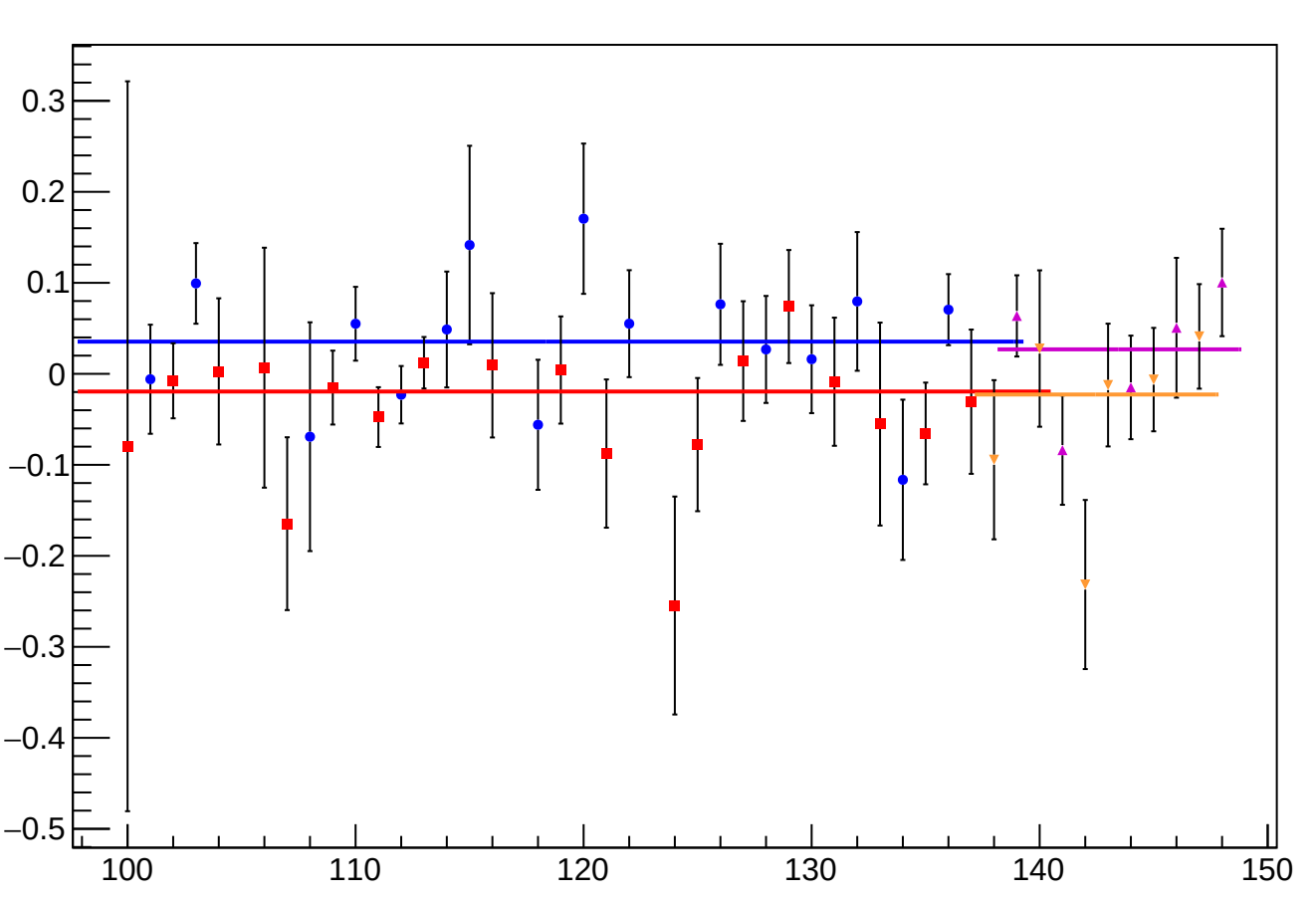
Left: 0.000+/-0.000 χ^2/NDF: 838723.6/10

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2395759.6/20

Out: 0.000+/-0.000 χ^2/NDF:3678450.9/24

All: 0.000+/-0.000 χ^2/NDF: 6120074.8/45



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

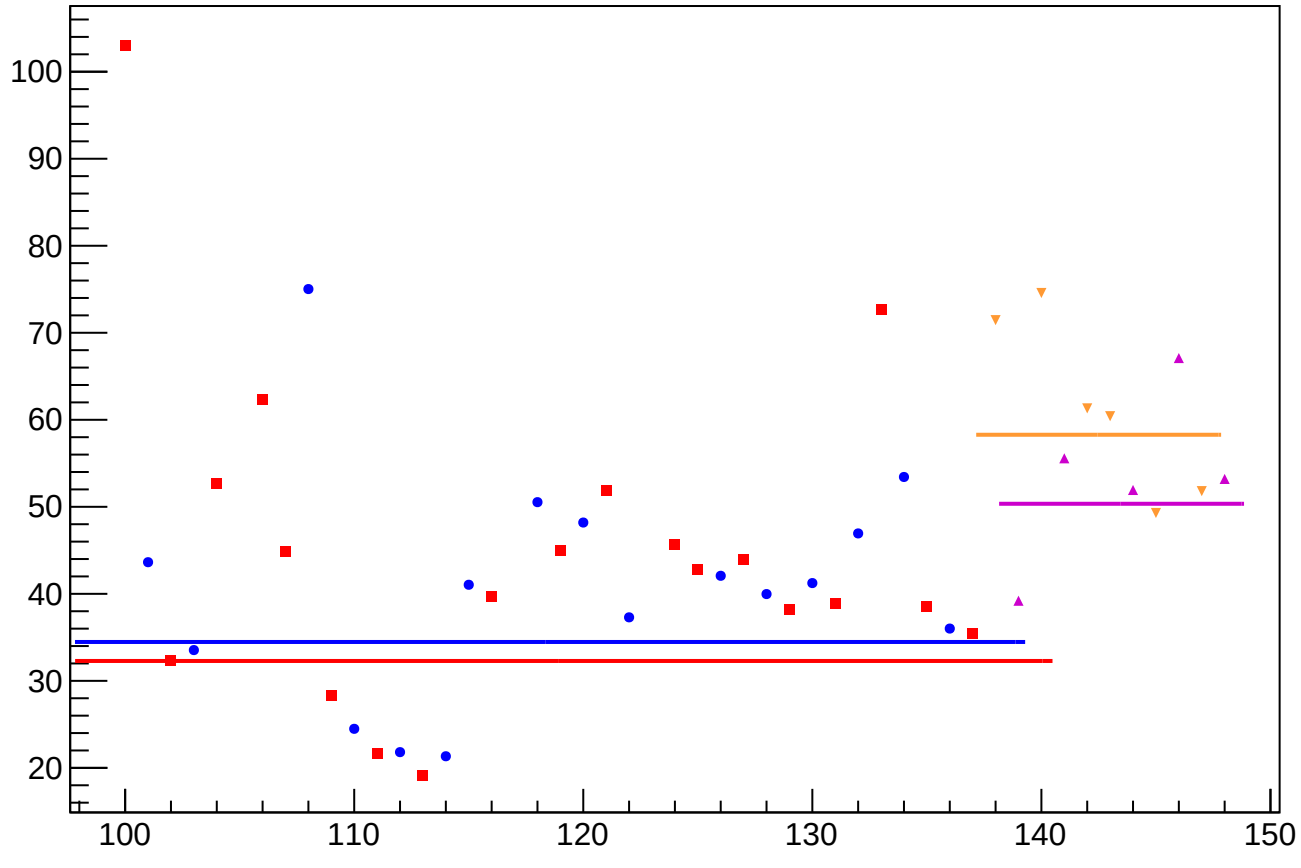
Left: 0.005+/-0.019 χ^2/NDF: 15.3/10

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.006+/-0.009 χ^2/NDF: 53.9/45



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 58.281+/-0.020 χ^2/NDF:196858.2/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

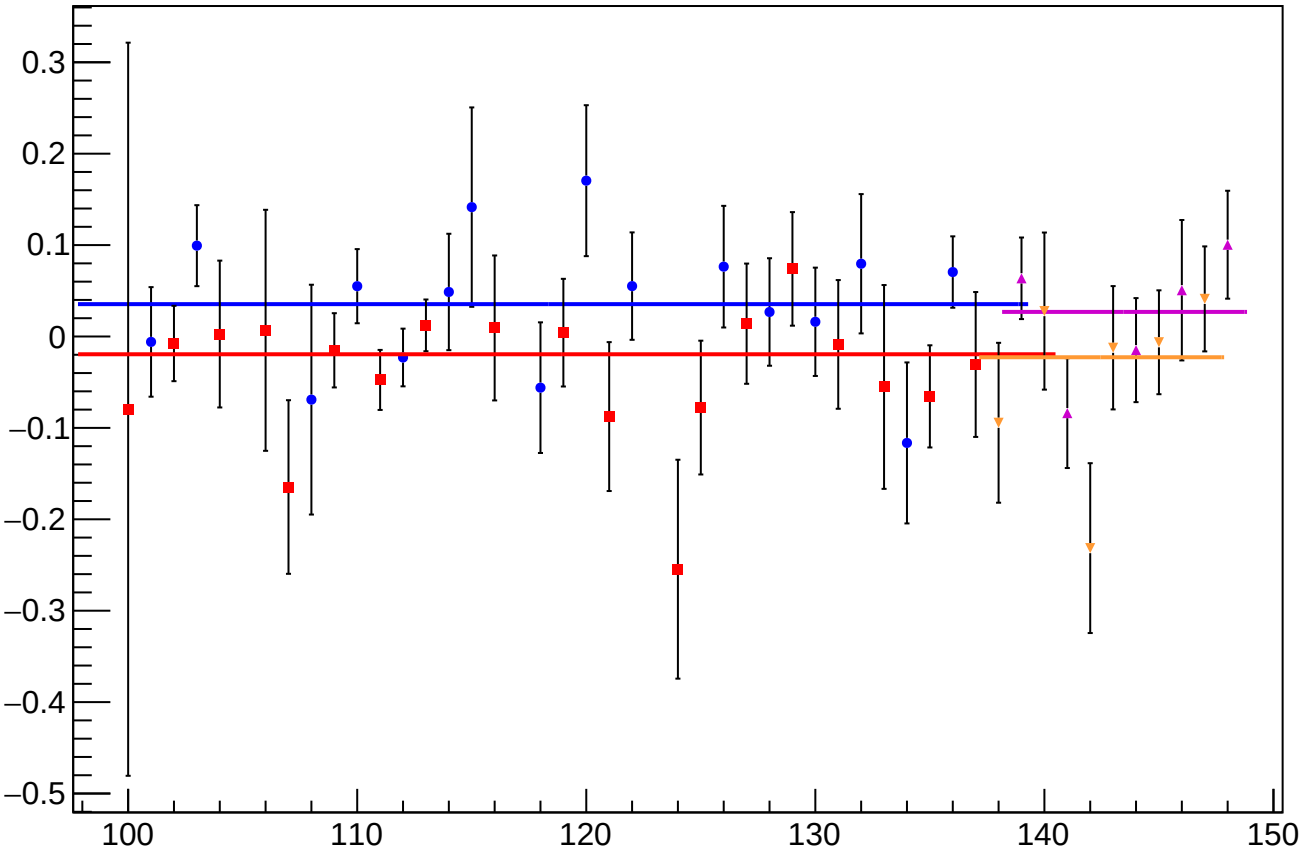
Left: 53.841+/-0.013 χ^2/NDF: 523473.2/10

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 38.114+/-0.009 χ^2/NDF:2012428.5/20

Out: 36.782+/-0.008 χ^2/NDF:3227065.4/24

All: 37.433+/-0.006 χ^2/NDF: 5251692.1/45



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

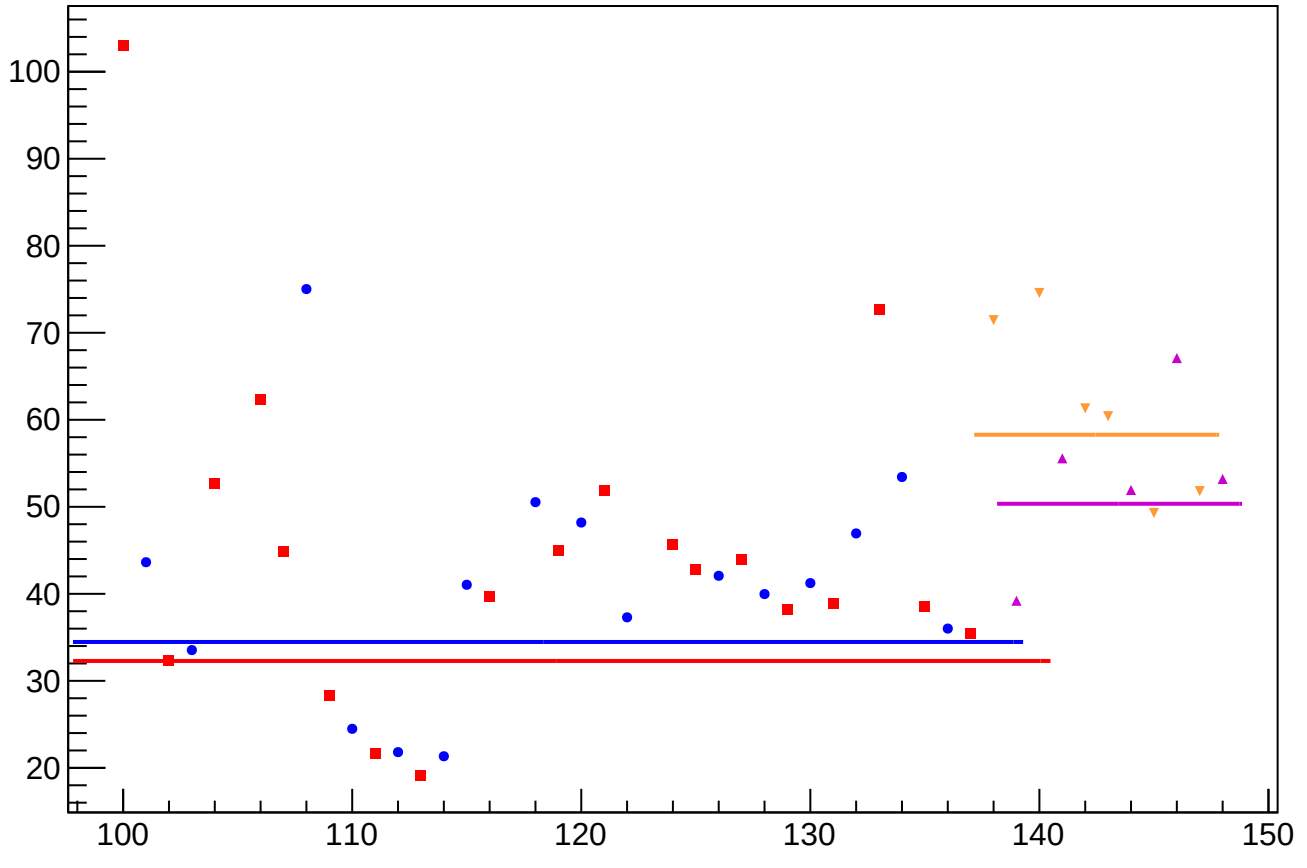
Left: 0.005+/-0.019 χ^2/NDF: 15.3/10

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.006+/-0.009 χ^2/NDF: 53.9/45



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 58.281+/-0.020 χ^2/NDF:196858.2/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

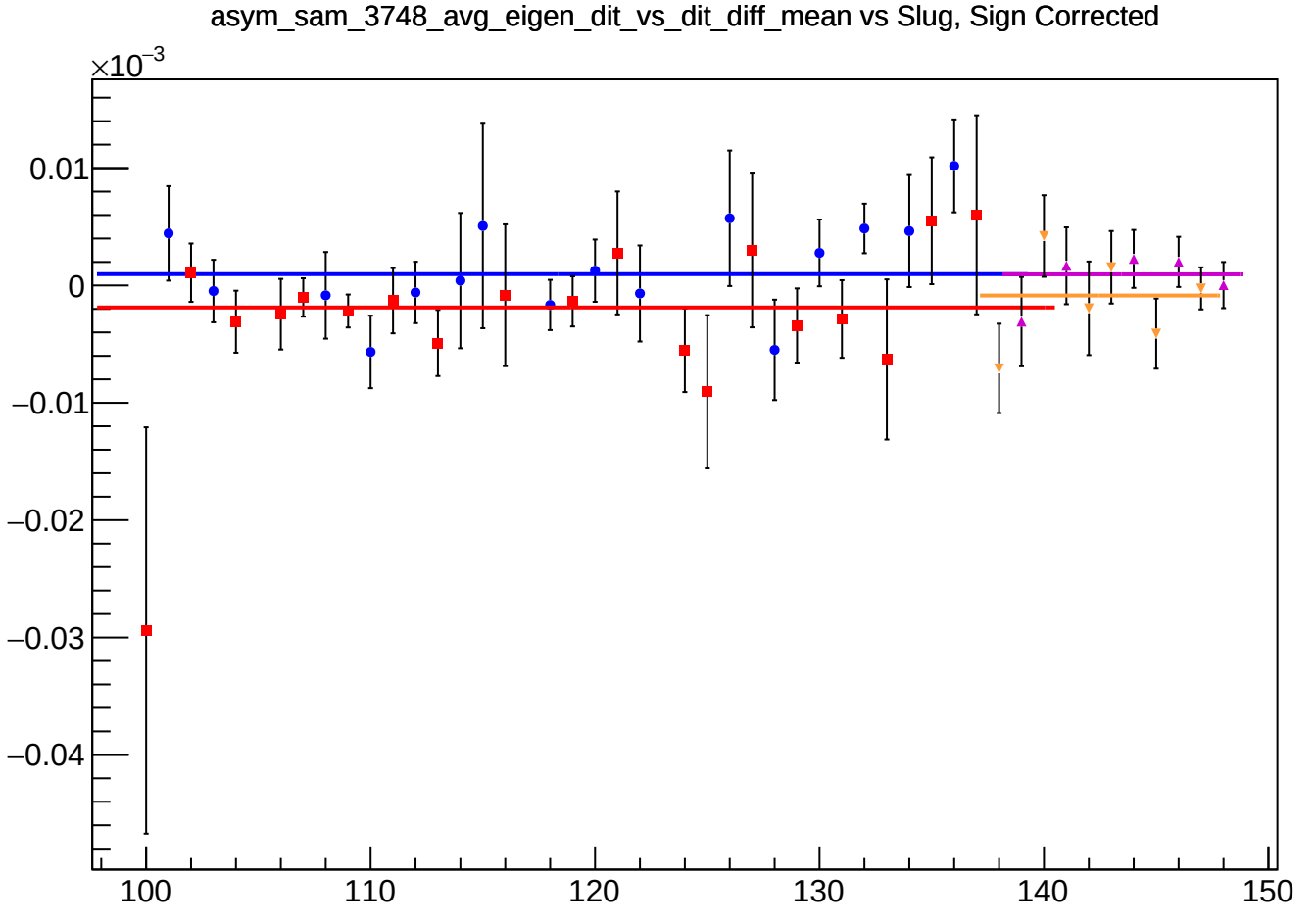
Left: 53.841+/-0.013 χ^2/NDF: 523473.2/10

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 38.114+/-0.009 χ^2/NDF:2012428.5/20

Out: 36.782+/-0.008 χ^2/NDF:3227065.4/24

All: 37.433+/-0.006 χ^2/NDF: 5251692.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

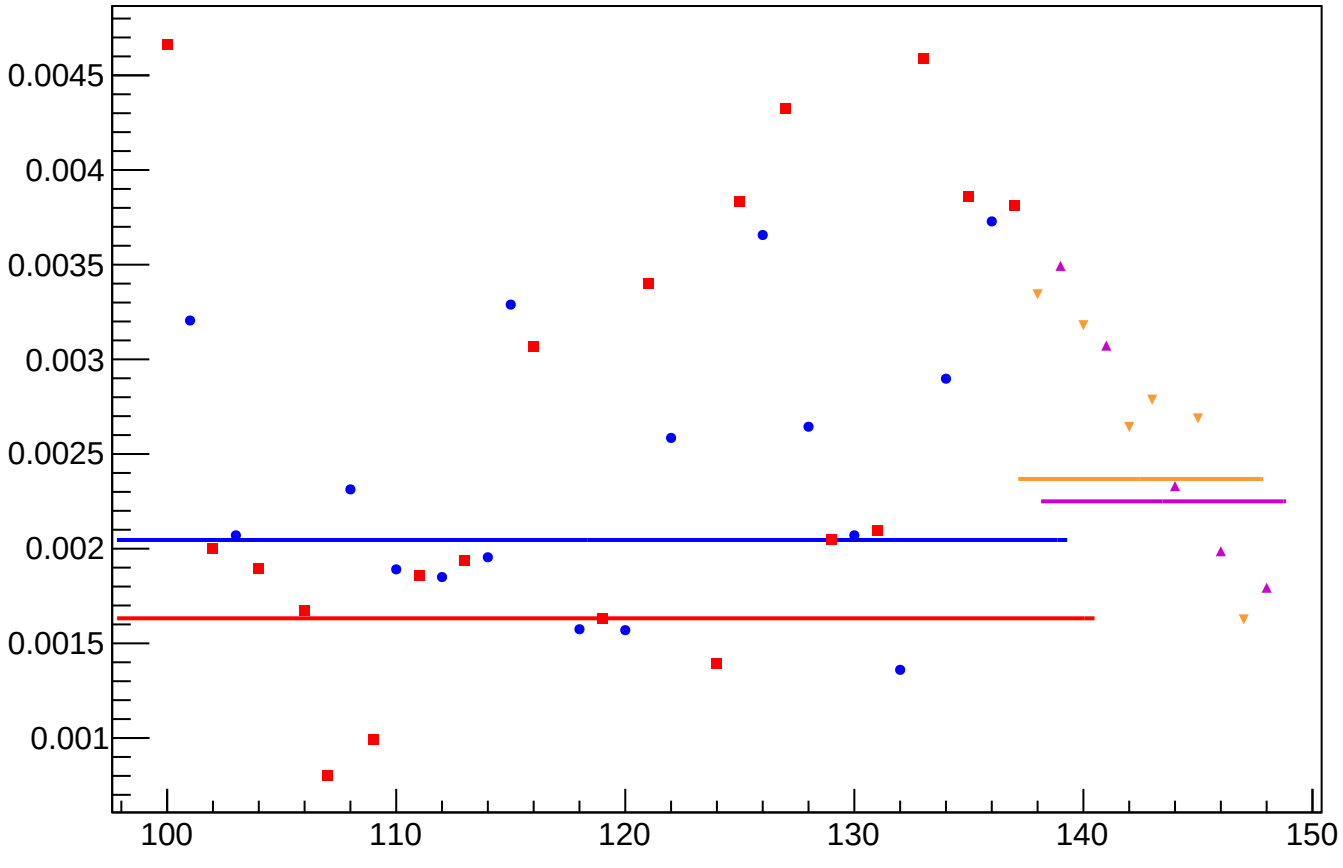
Left: 0.000+/-0.000 χ^2/NDF: 9.9/10

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:22.8/20

Out: -0.000+/-0.000 χ^2/NDF:20.2/24

All: -0.000+/-0.000 χ^2/NDF: 51.8/45



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:652650.1/5

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:479623.0/4

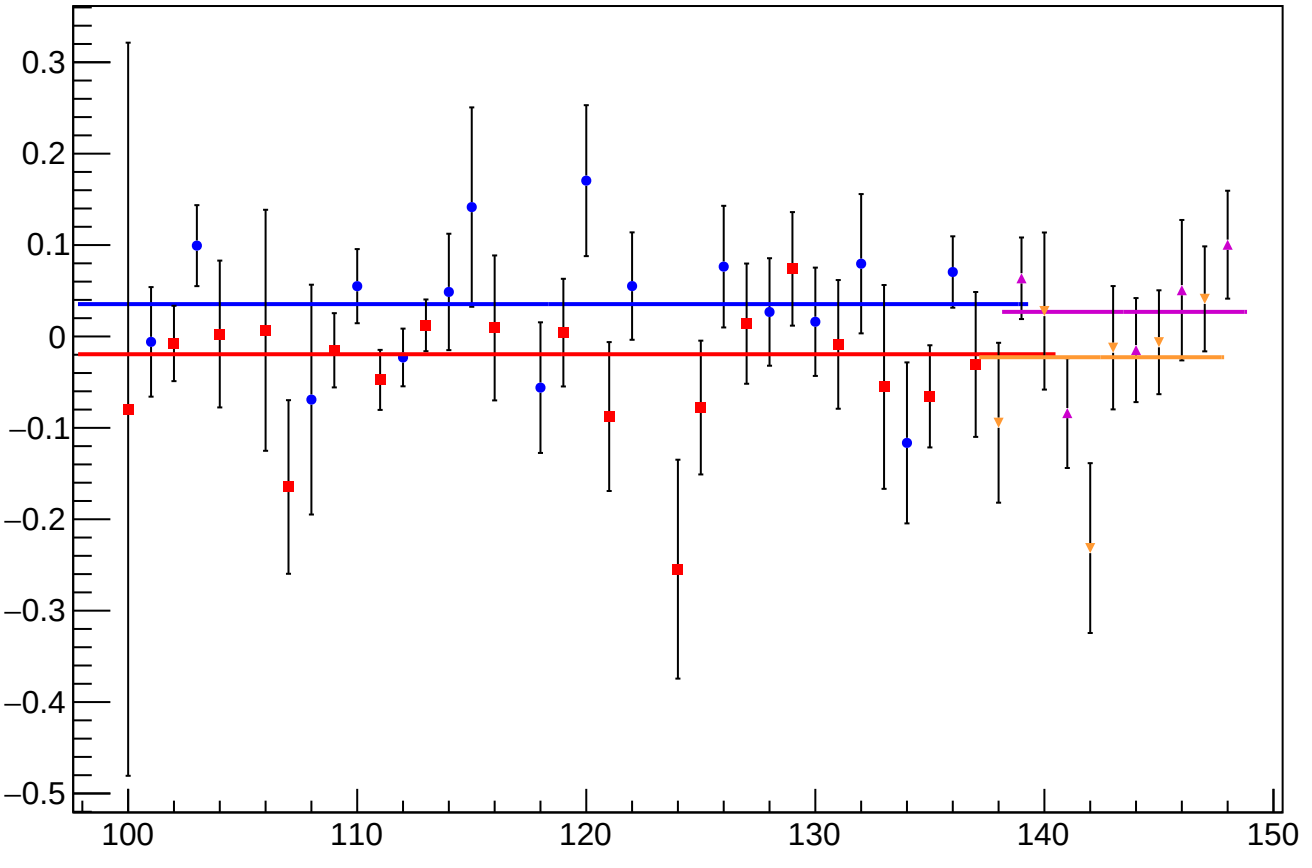
Left: 0.002+/-0.000 χ^2/NDF: 1143078.8/10

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:1783942.4/20

Out: 0.002+/-0.000 χ^2/NDF:4185264.1/24

All: 0.002+/-0.000 χ^2/NDF: 6204015.1/45



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

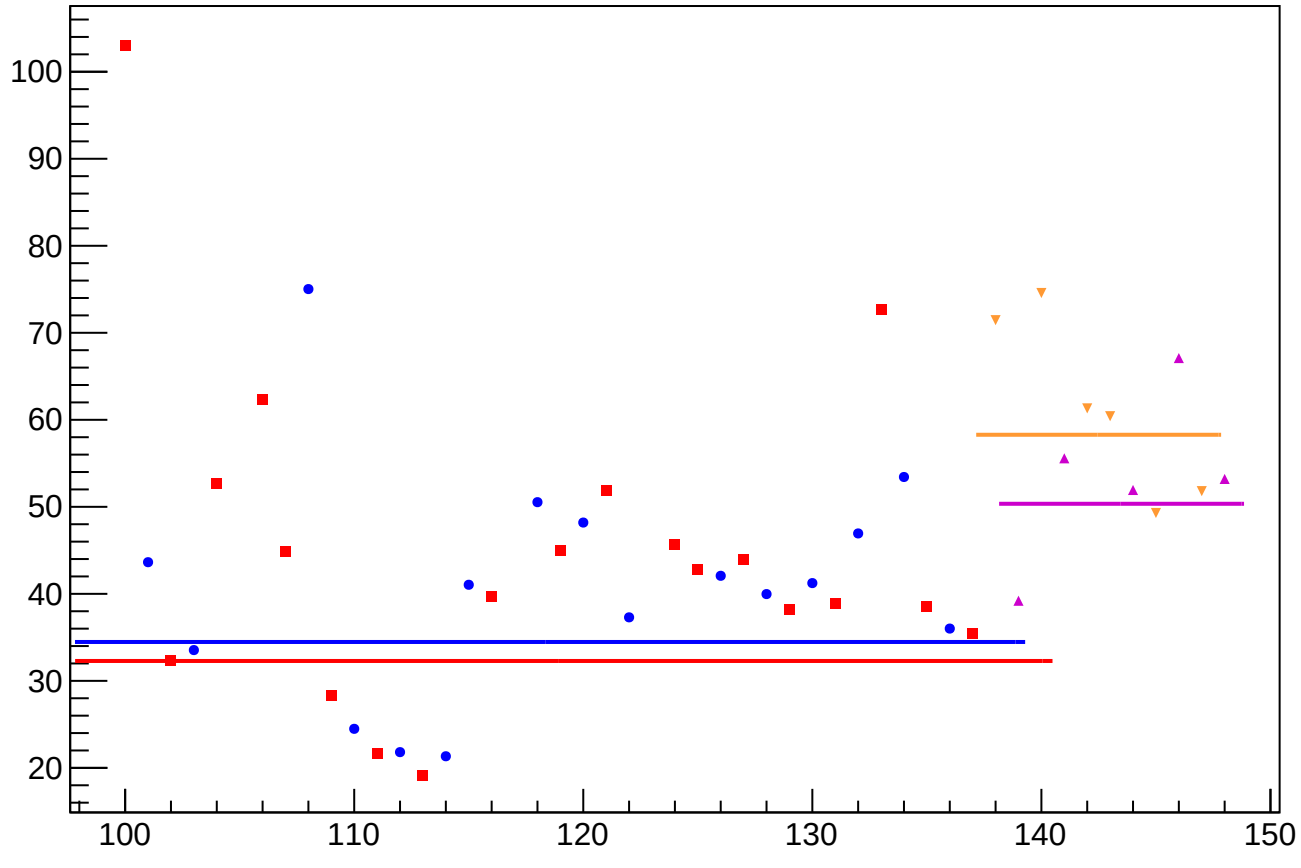
Left: 0.005+/-0.019 χ^2/NDF: 15.3/10

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.006+/-0.009 χ^2/NDF: 53.9/45



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 58.282+/-0.020 χ^2/NDF:196844.1/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 50.350+/-0.018 χ^2/NDF:241107.1/4

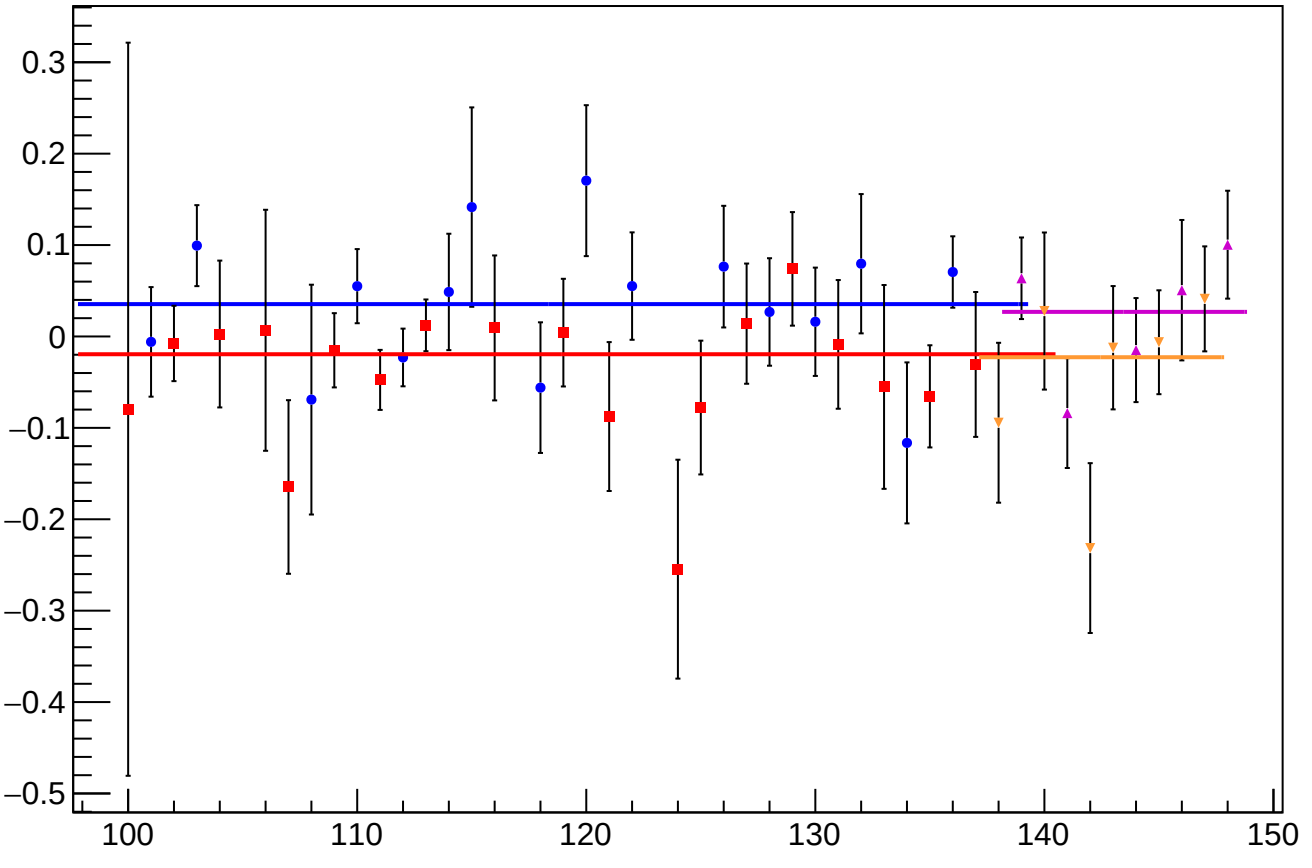
Left: 53.842+/-0.013 χ^2/NDF: 523491.1/10

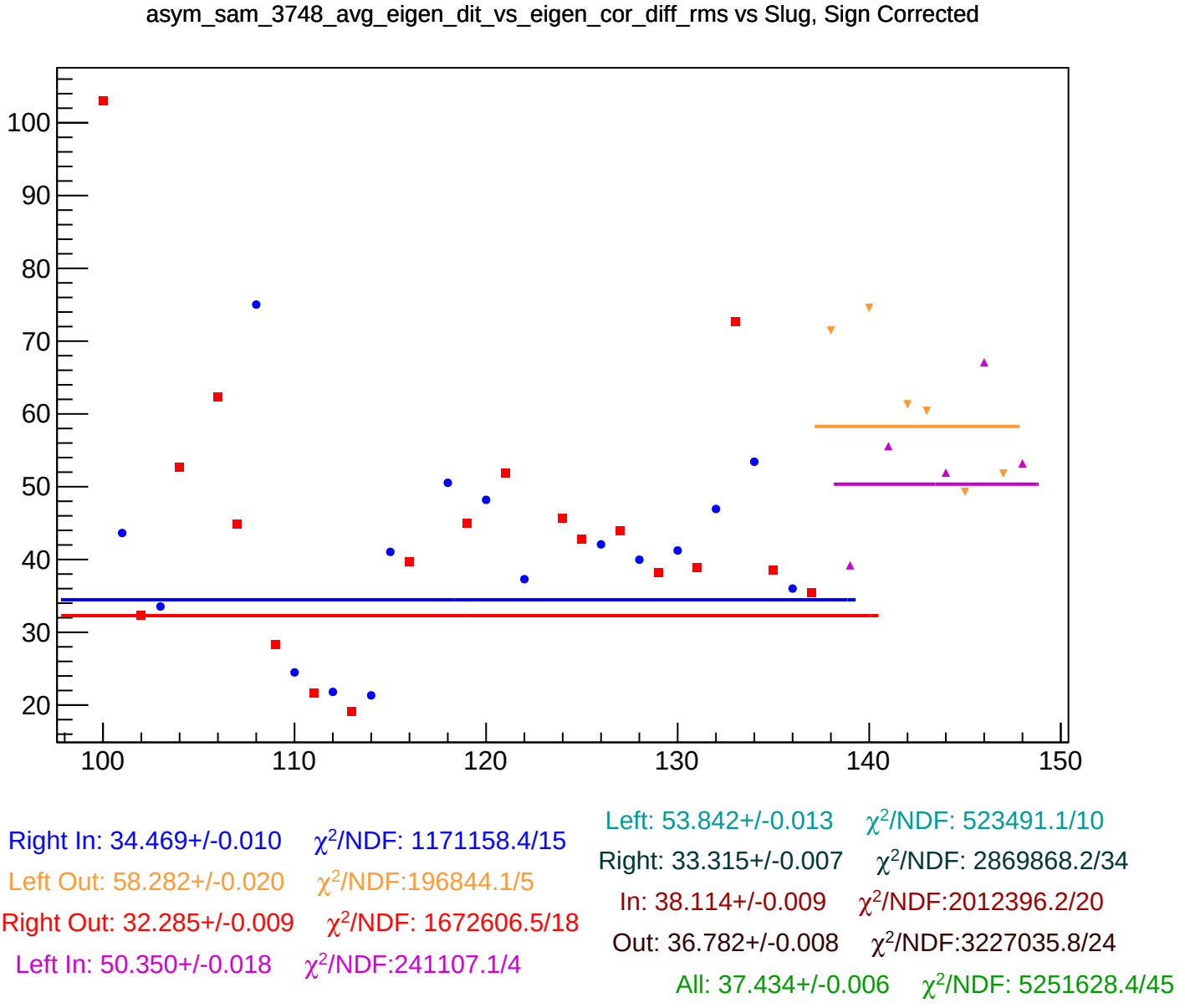
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

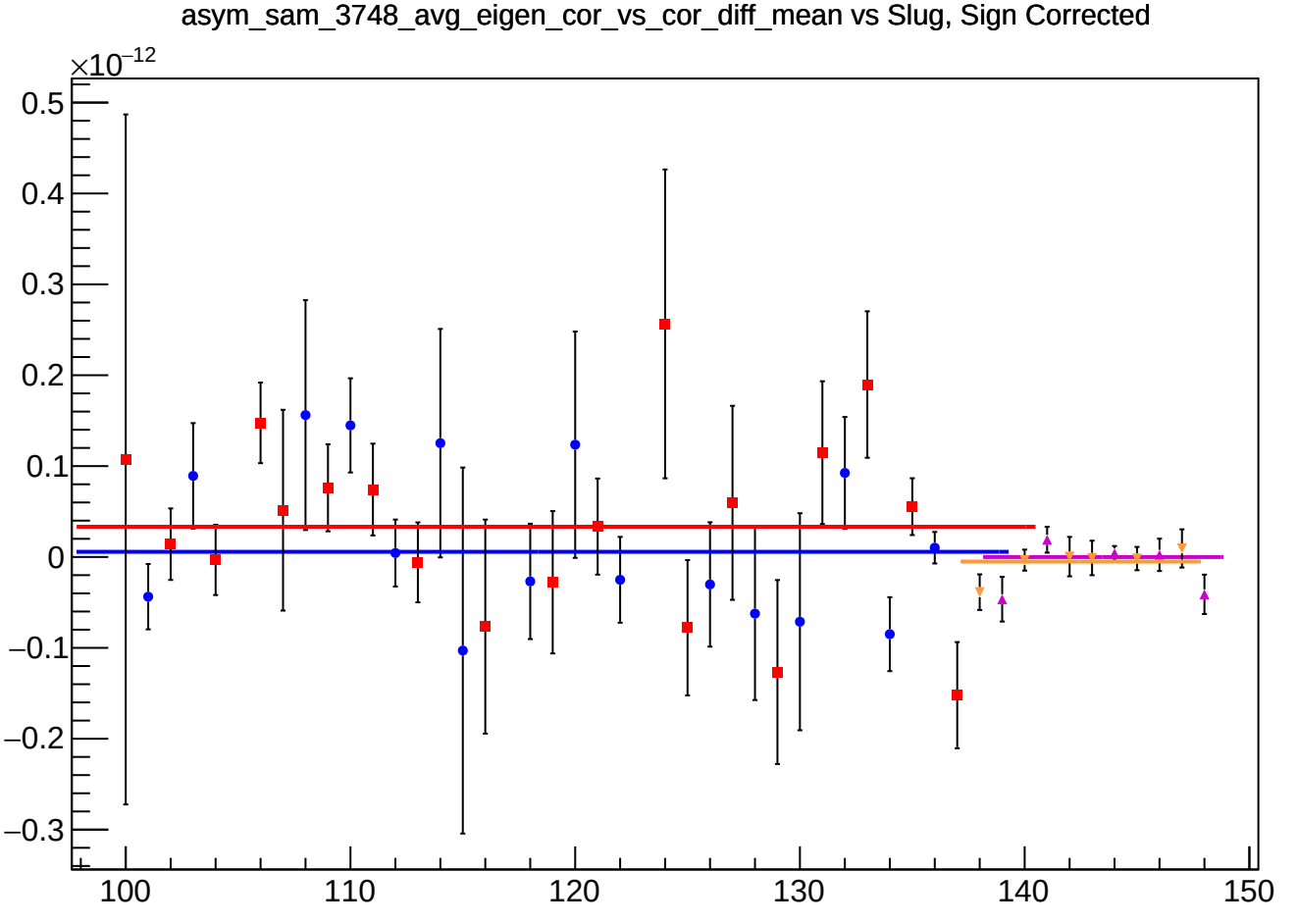
In: 38.114+/-0.009 χ^2/NDF:2012396.2/20

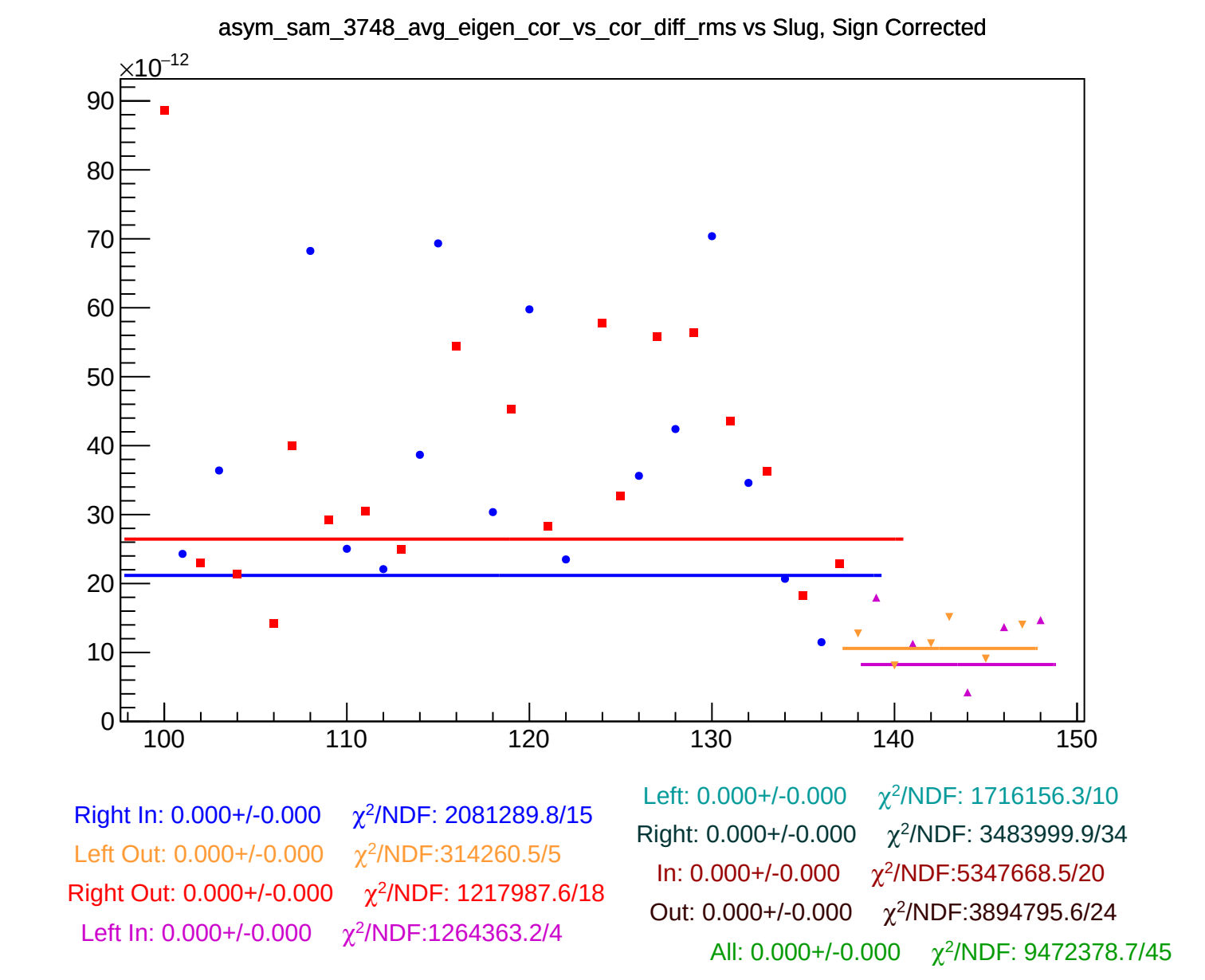
Out: 36.782+/-0.008 χ^2/NDF:3227035.8/24

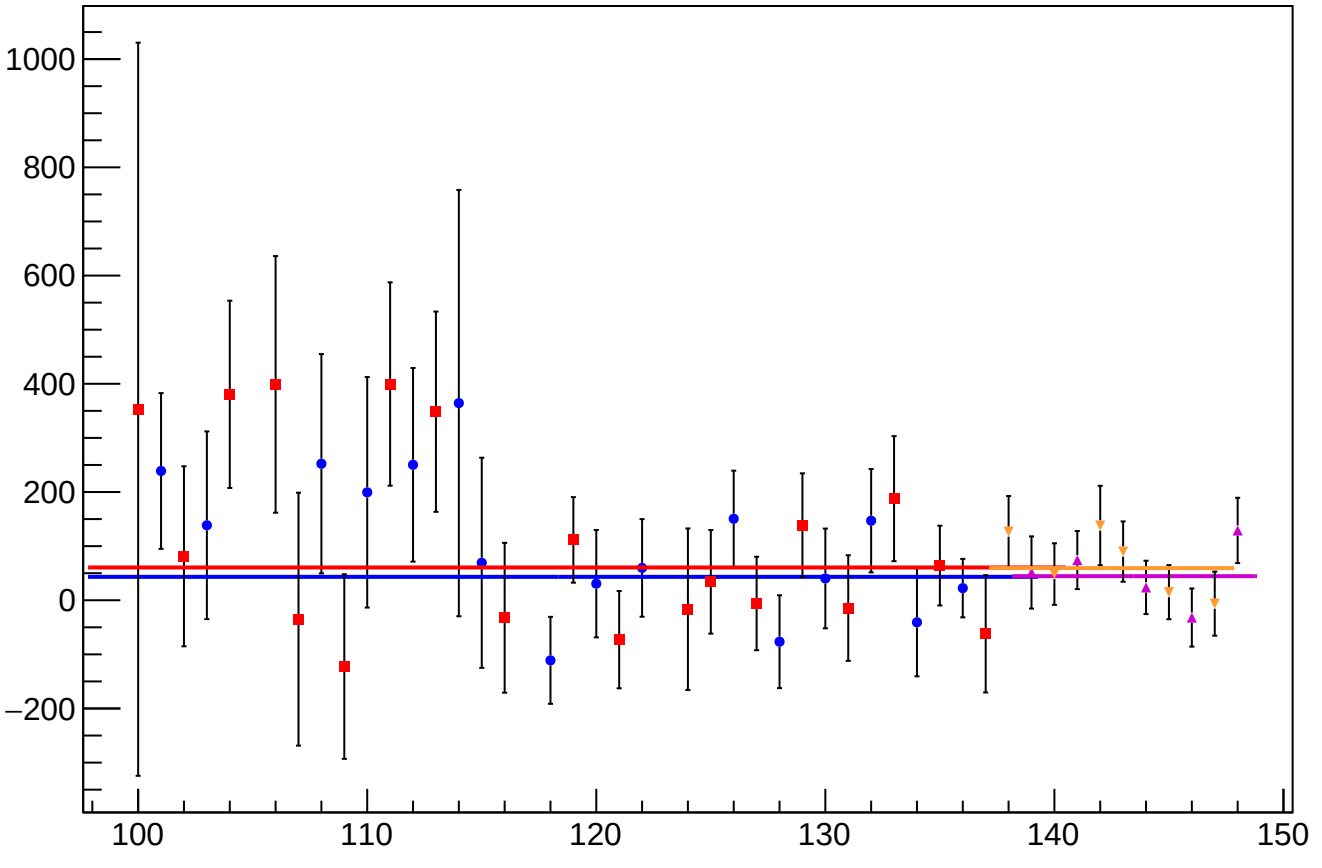
All: 37.434+/-0.006 χ^2/NDF: 5251628.4/45


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: -0.023+/-0.029 χ²/NDF:7.4/5
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.027+/-0.025 χ²/NDF:6.3/4
Left: 0.005+/-0.019 χ²/NDF: 15.3/10
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.033+/-0.012 χ²/NDF:23.3/20
Out: -0.020+/-0.012 χ²/NDF:20.8/24
All: 0.006+/-0.009 χ²/NDF: 53.9/45


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 58.282+/-0.020 χ²/NDF:196844.1/5
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 50.350+/-0.018 χ²/NDF:241107.1/4
Left: 53.842+/-0.013 χ²/NDF: 523491.1/10
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 38.114+/-0.009 χ²/NDF:2012396.2/20
Out: 36.782+/-0.008 χ²/NDF:3227035.8/24
All: 37.434+/-0.006 χ²/NDF: 5251628.4/45


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:3.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: -0.000+/-0.000 χ²/NDF:9.2/4
Left: -0.000+/-0.000 χ²/NDF: 13.1/10
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:33.0/20
Out: 0.000+/-0.000 χ²/NDF:44.0/24
All: 0.000+/-0.000 χ²/NDF: 77.0/45


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:314260.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1264363.2/4
Left: 0.000+/-0.000 χ²/NDF: 1716156.3/10
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5347668.5/20
Out: 0.000+/-0.000 χ²/NDF:3894795.6/24
All: 0.000+/-0.000 χ²/NDF: 9472378.7/45



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.441+/-24.015 χ^2/NDF:4.6/5

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 44.496+/-24.963 χ^2/NDF:4.5/4

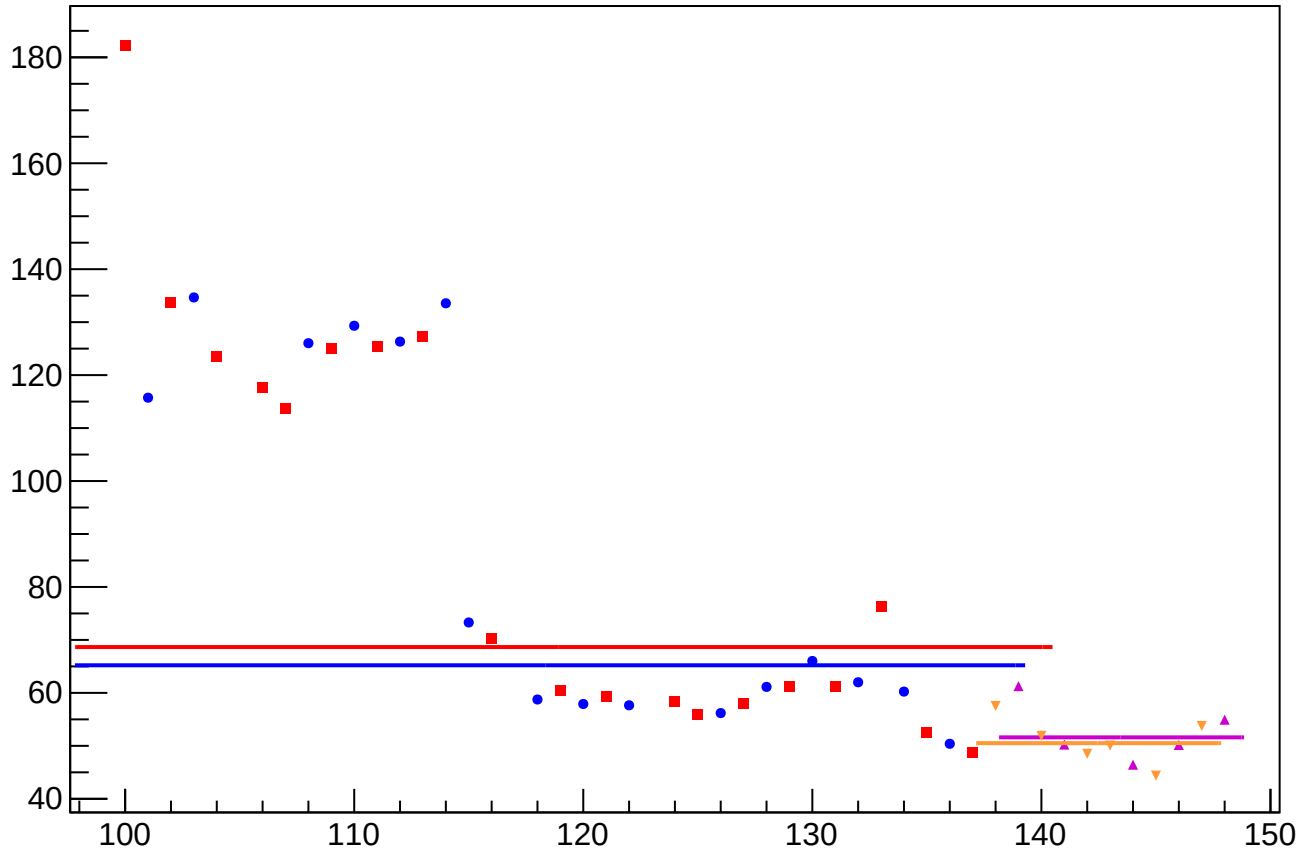
Left: 52.258+/-17.307 χ^2/NDF: 9.2/10

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 43.892+/-17.934 χ^2/NDF:19.4/20

Out: 59.947+/-17.913 χ^2/NDF:25.0/24

All: 51.928+/-12.674 χ^2/NDF: 44.8/45



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

Left: 51.035+/-0.012 χ^2/NDF: 136445.6/10

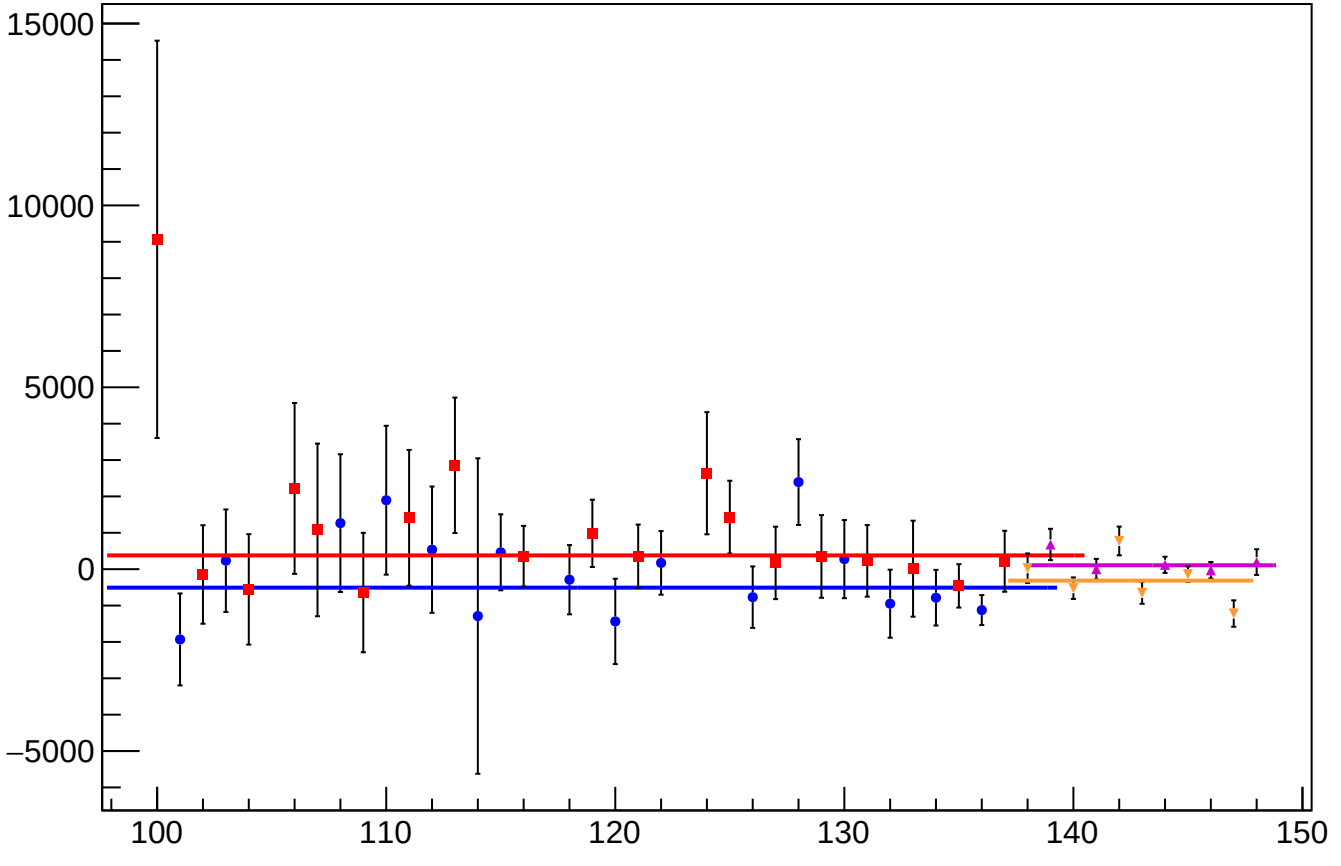
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 58.188+/-0.013 χ^2/NDF:1806953.1/20

Out: 58.560+/-0.013 χ^2/NDF:2209172.3/24

All: 58.374+/-0.009 χ^2/NDF: 4016555.9/45

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: -314.520+/-124.254 χ^2/NDF:17.0/5

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 107.589+/-123.342 χ^2/NDF:2.3/4

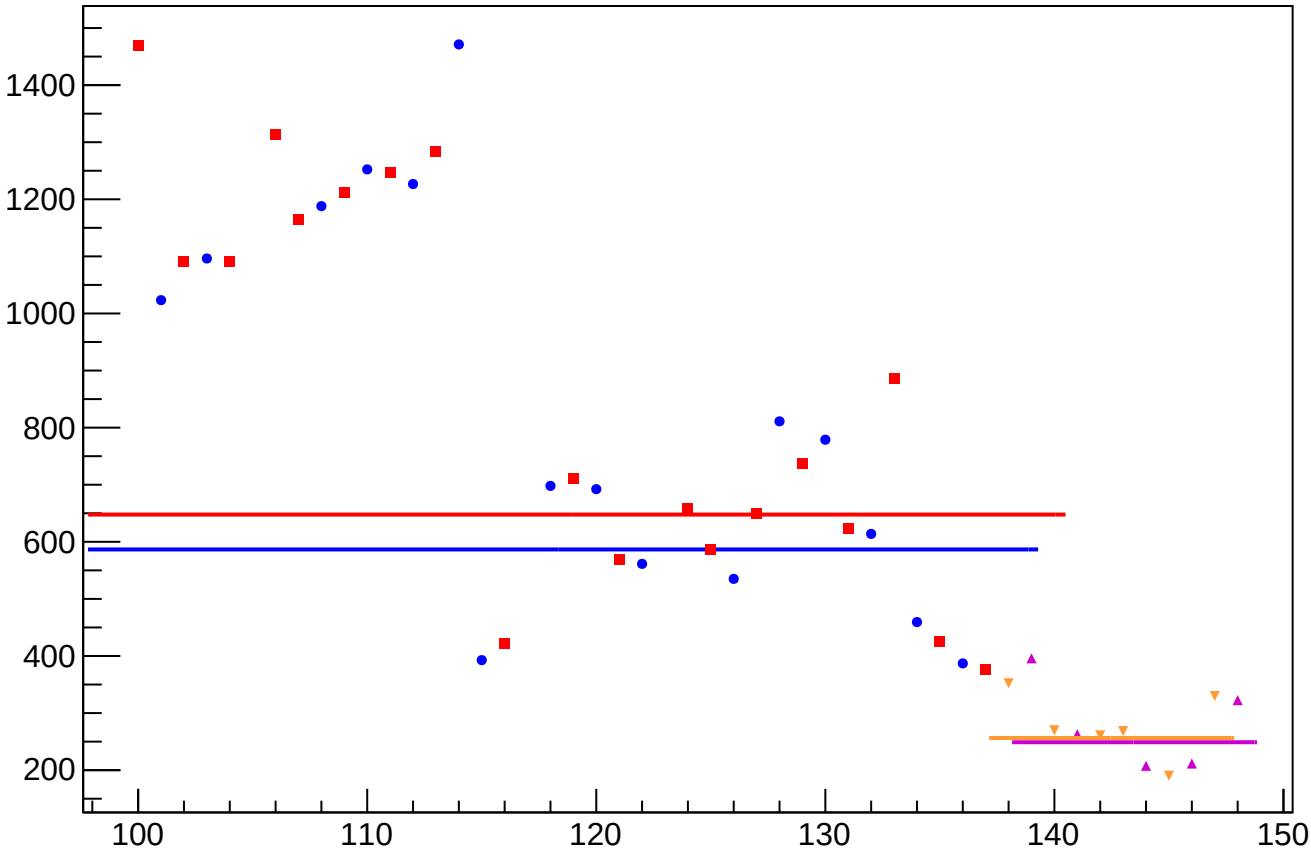
Left: -101.911+/-87.537 χ^2/NDF: 25.2/10

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -23.641+/-109.406 χ^2/NDF:23.3/20

Out: -182.651+/-111.816 χ^2/NDF:34.7/24

All: -101.414+/-78.200 χ^2/NDF: 59.0/45



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 256.438+/-0.088 χ^2/NDF:394357.7/5

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 248.935+/-0.087 χ^2/NDF:447844.6/4

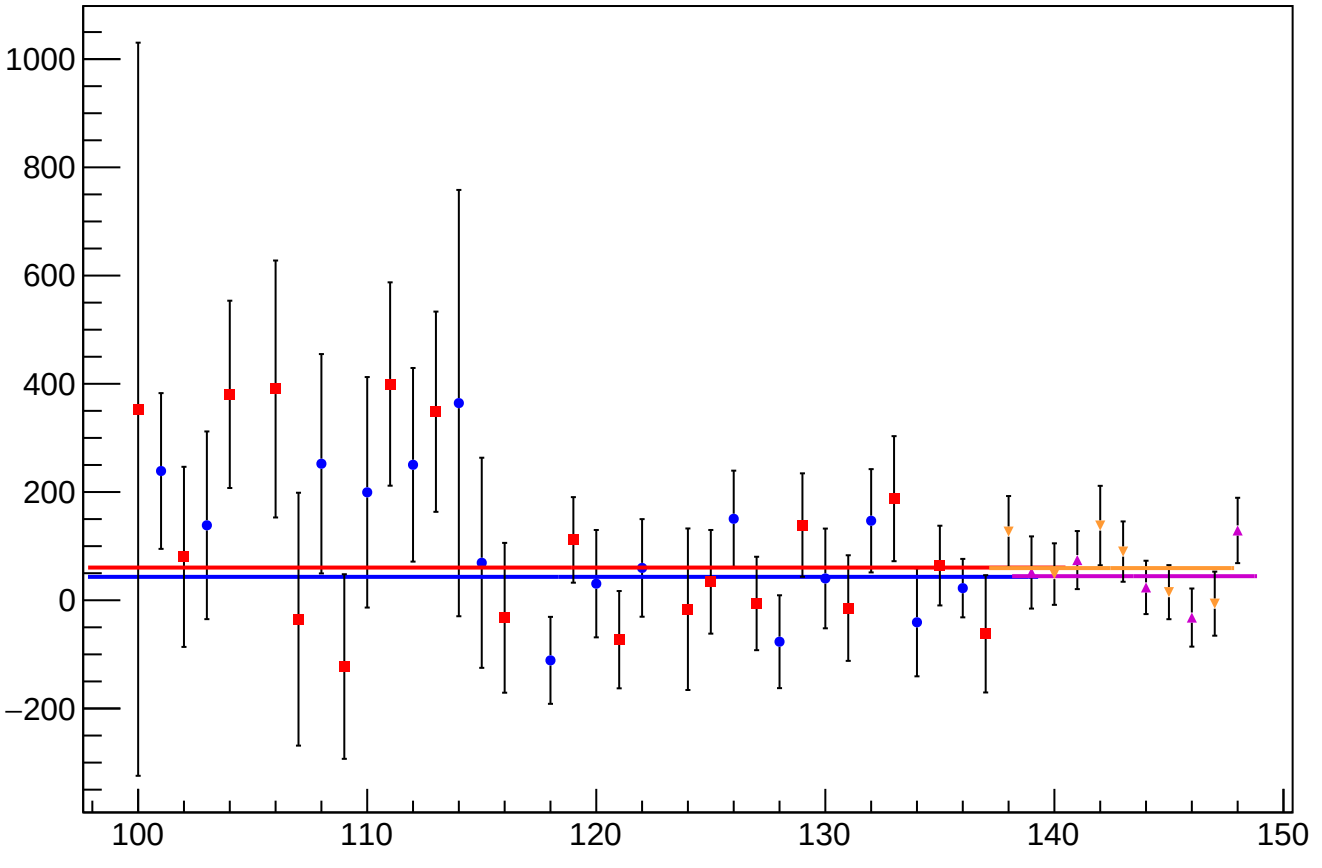
Left: 252.659+/-0.062 χ^2/NDF: 845874.9/10

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 320.936+/-0.077 χ^2/NDF:5697567.1/20

Out: 330.852+/-0.079 χ^2/NDF:6272046.6/24

All: 325.786+/-0.055 χ^2/NDF: 11977650.5/45



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.446+/-24.015 χ^2/NDF:4.6/5

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 44.499+/-24.963 χ^2/NDF:4.5/4

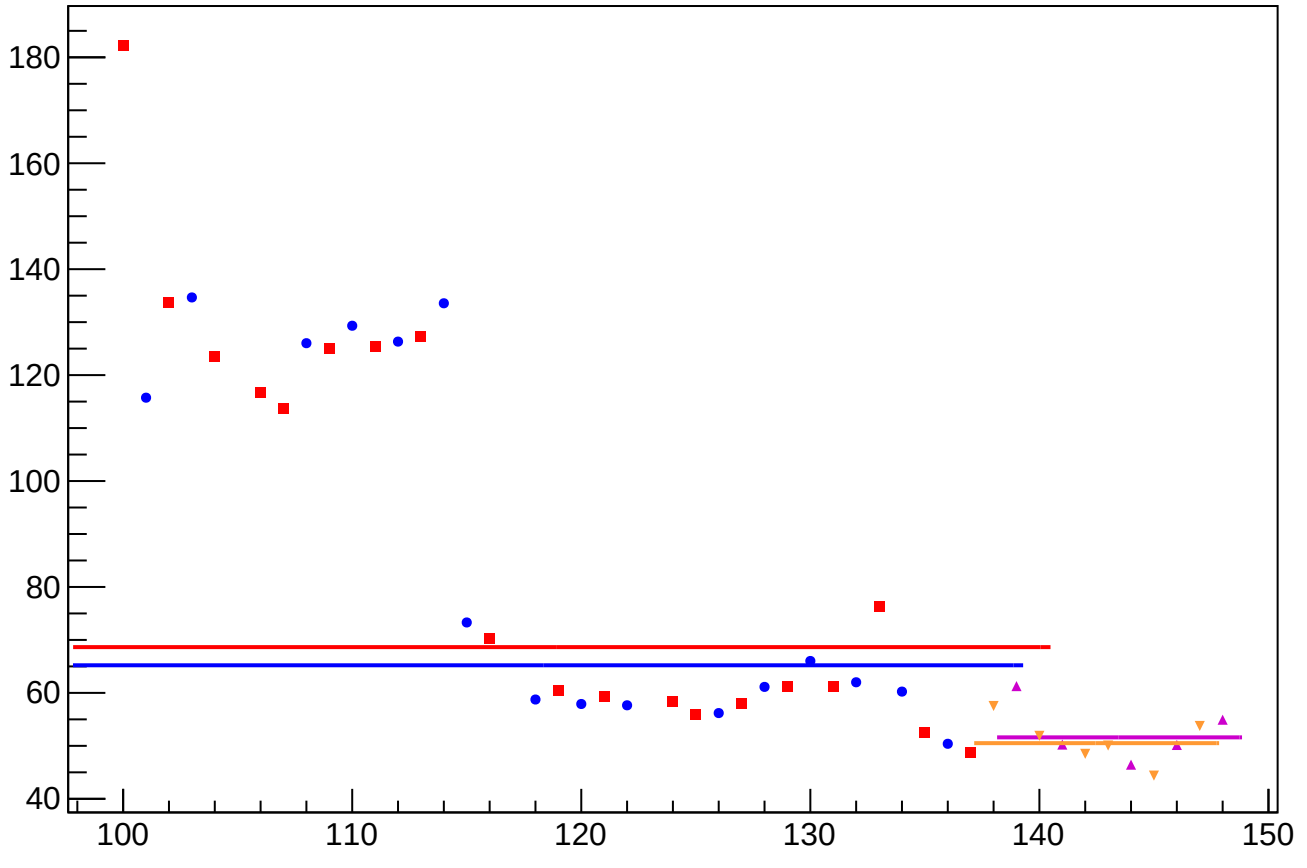
Left: 52.262+/-17.307 χ^2/NDF: 9.2/10

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.890+/-17.934 χ^2/NDF:19.4/20

Out: 59.883+/-17.913 χ^2/NDF:24.9/24

All: 51.895+/-12.674 χ^2/NDF: 44.7/45



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

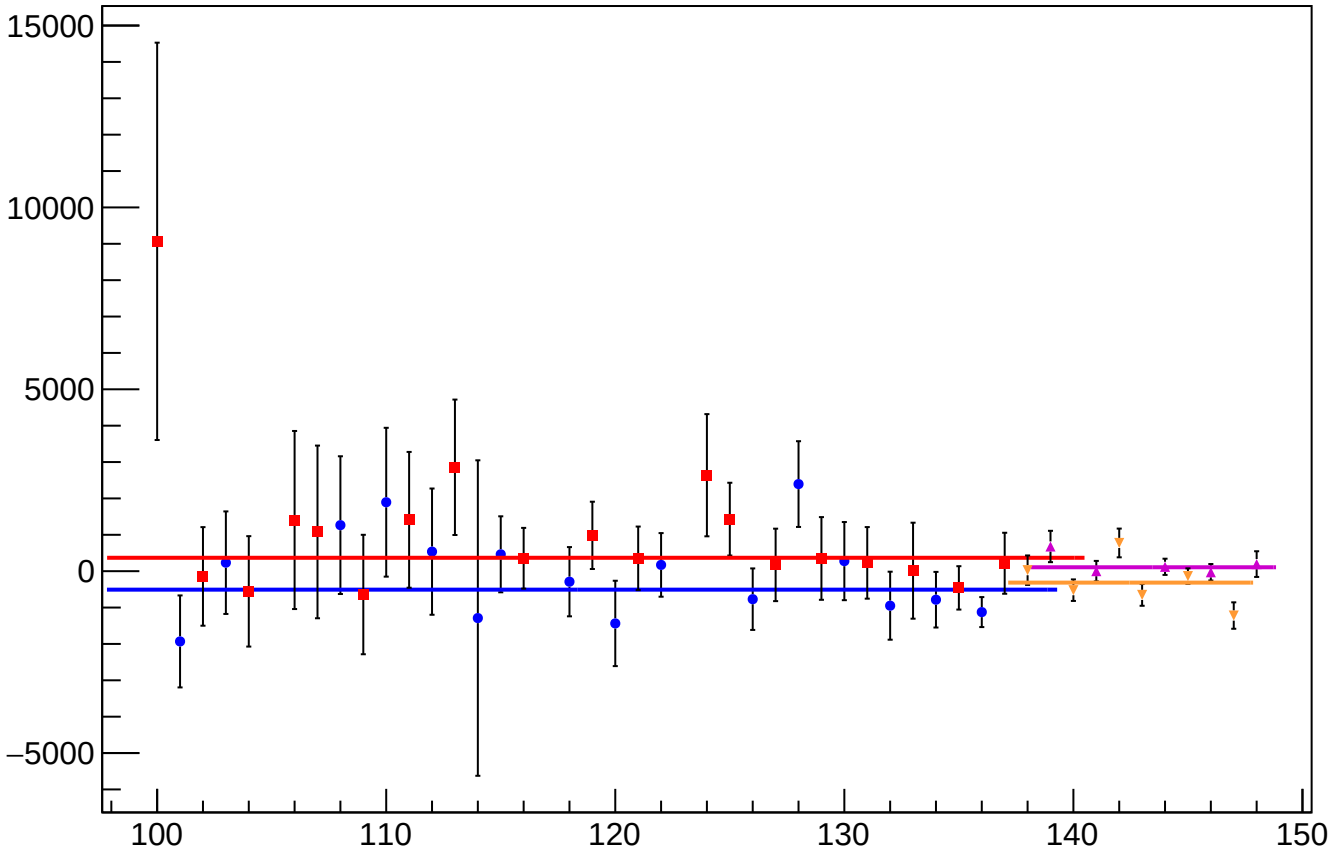
Left: 51.035+/-0.012 χ^2/NDF: 136445.6/10

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.188+/-0.013 χ^2/NDF:1806955.3/20

Out: 58.554+/-0.013 χ^2/NDF:2205009.2/24

All: 58.371+/-0.009 χ^2/NDF: 4012379.7/45



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -314.514+/-124.254 χ^2/NDF:17.0/5

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 107.591+/-123.342 χ^2/NDF:2.3/4

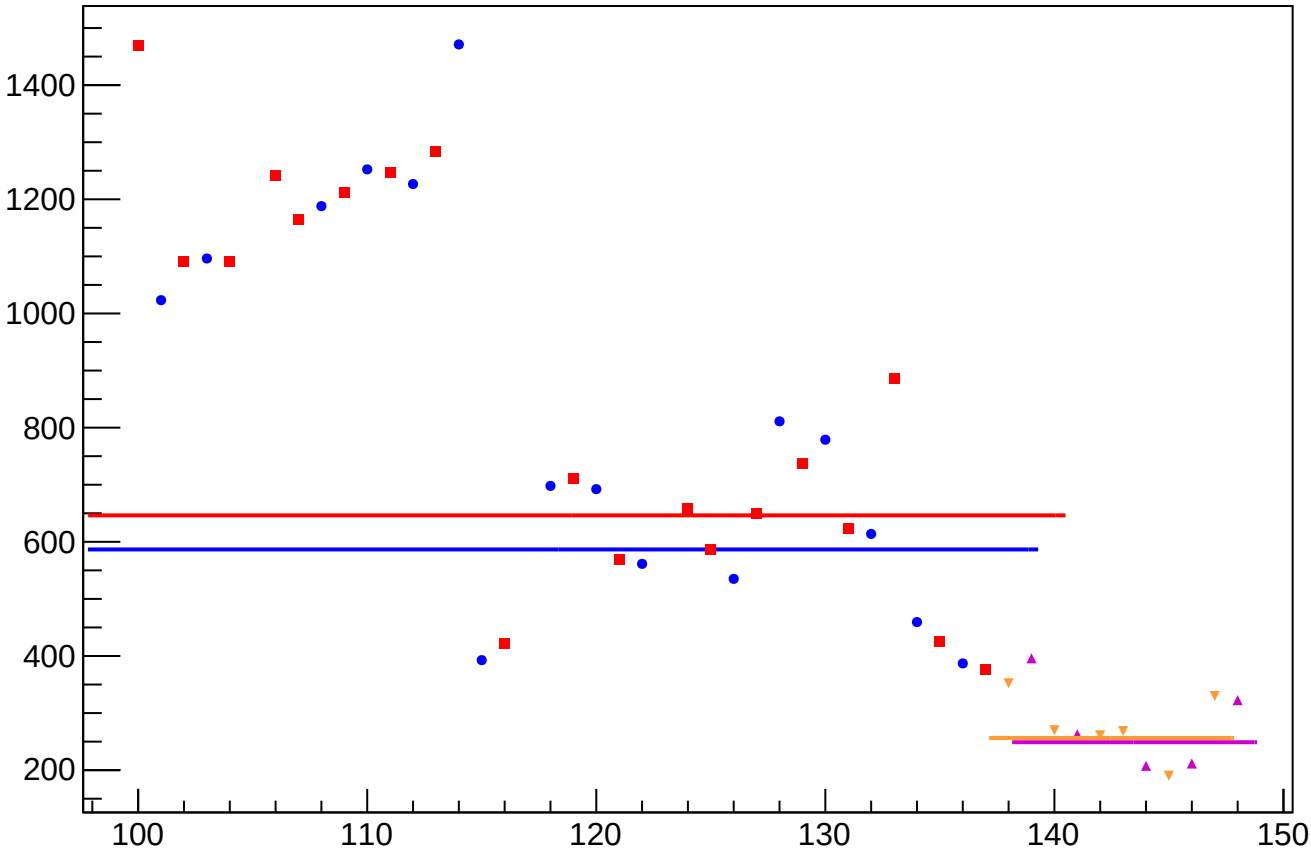
Left: -101.907+/-87.537 χ^2/NDF: 25.2/10

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -23.635+/-109.406 χ^2/NDF:23.3/20

Out: -184.758+/-111.827 χ^2/NDF:34.0/24

All: -102.434+/-78.204 χ^2/NDF: 58.4/45



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 256.438+/-0.088 χ^2/NDF:394359.2/5

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

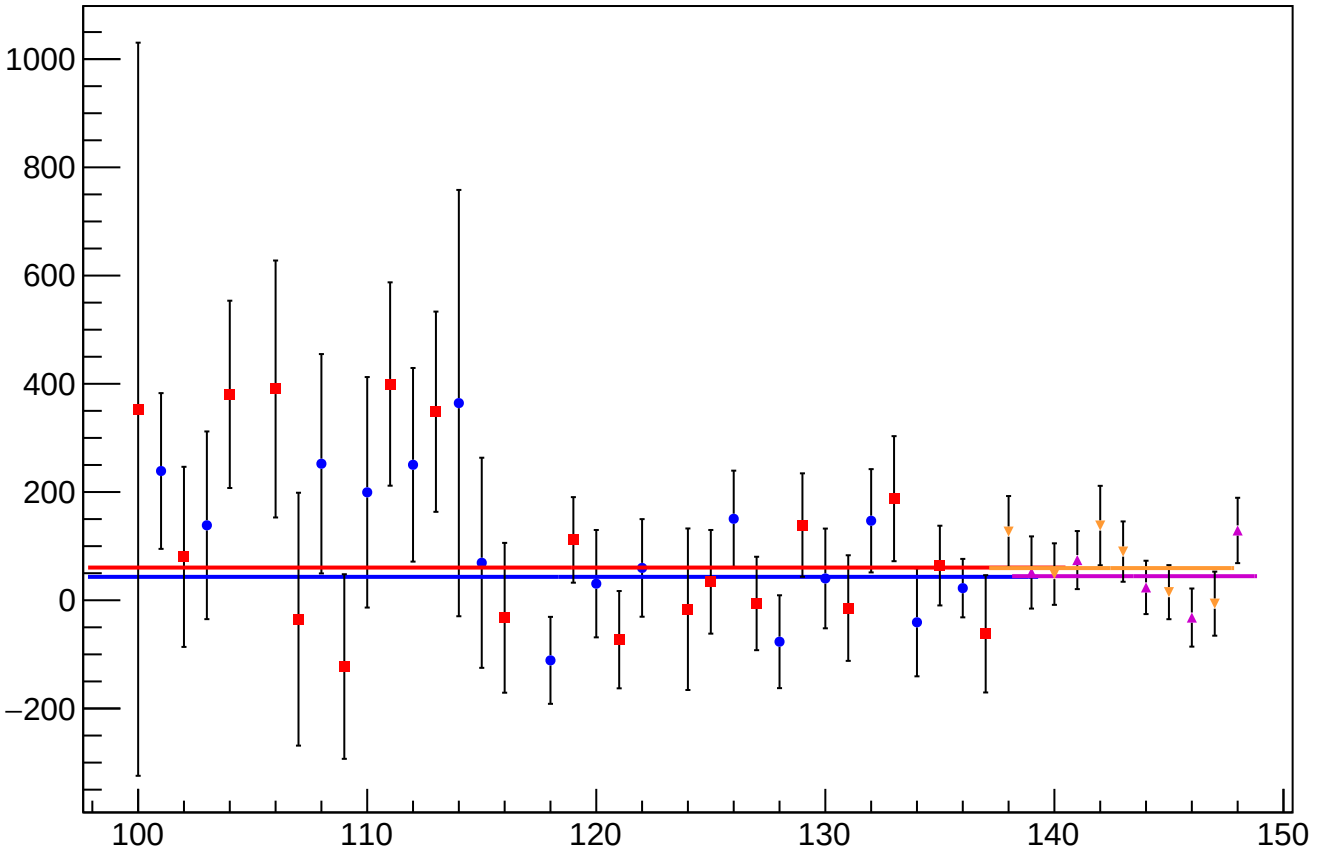
Left: 252.659+/-0.062 χ^2/NDF: 845873.1/10

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.936+/-0.077 χ^2/NDF:5697585.4/20

Out: 330.525+/-0.079 χ^2/NDF:6199502.5/24

All: 325.625+/-0.055 χ^2/NDF: 11904602.0/45



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.446+/-24.015 χ^2/NDF:4.6/5

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 44.499+/-24.963 χ^2/NDF:4.5/4

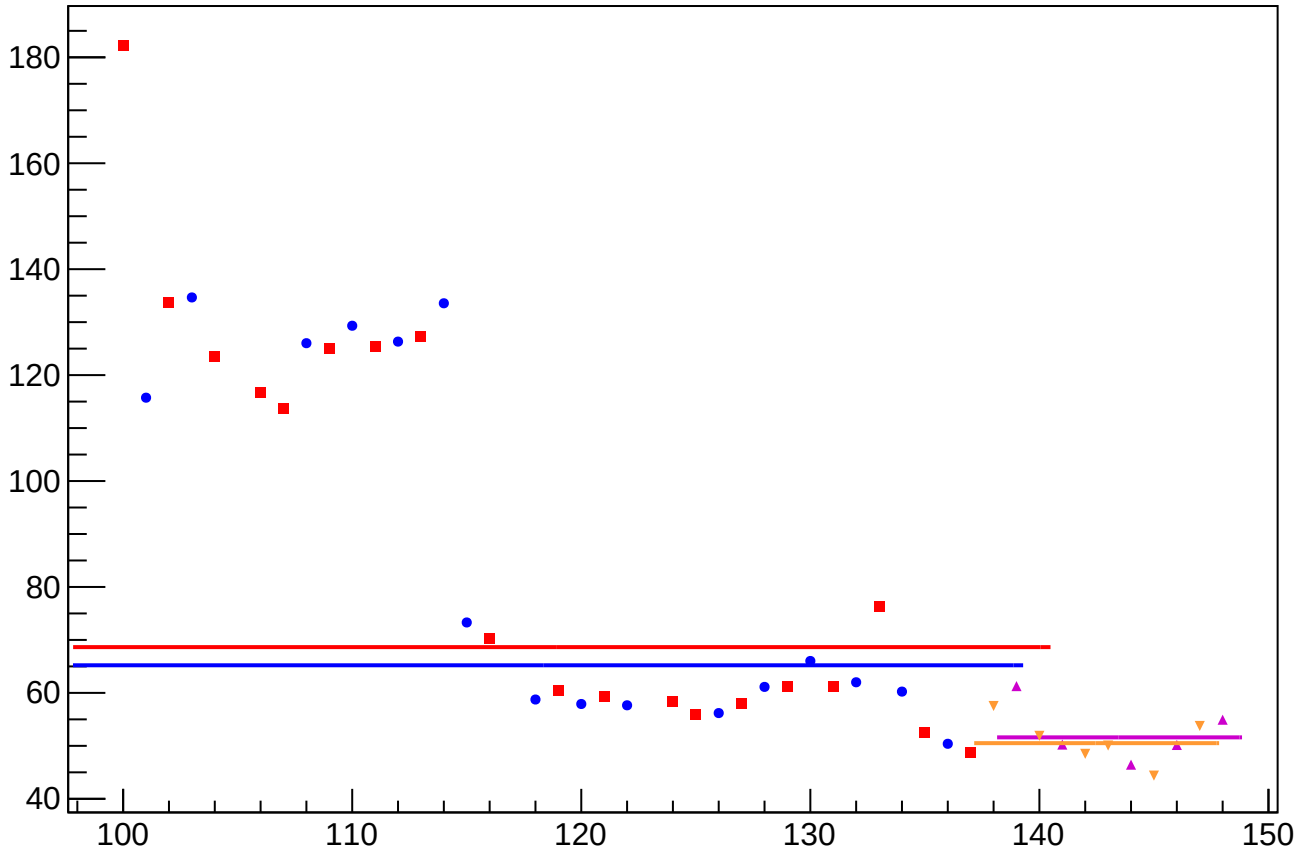
Left: 52.262+/-17.307 χ^2/NDF: 9.2/10

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.890+/-17.934 χ^2/NDF:19.4/20

Out: 59.883+/-17.913 χ^2/NDF:24.9/24

All: 51.895+/-12.674 χ^2/NDF: 44.7/45



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.602+/-0.018 χ^2/NDF:72775.3/4

Left: 51.035+/-0.012 χ^2/NDF: 136445.6/10

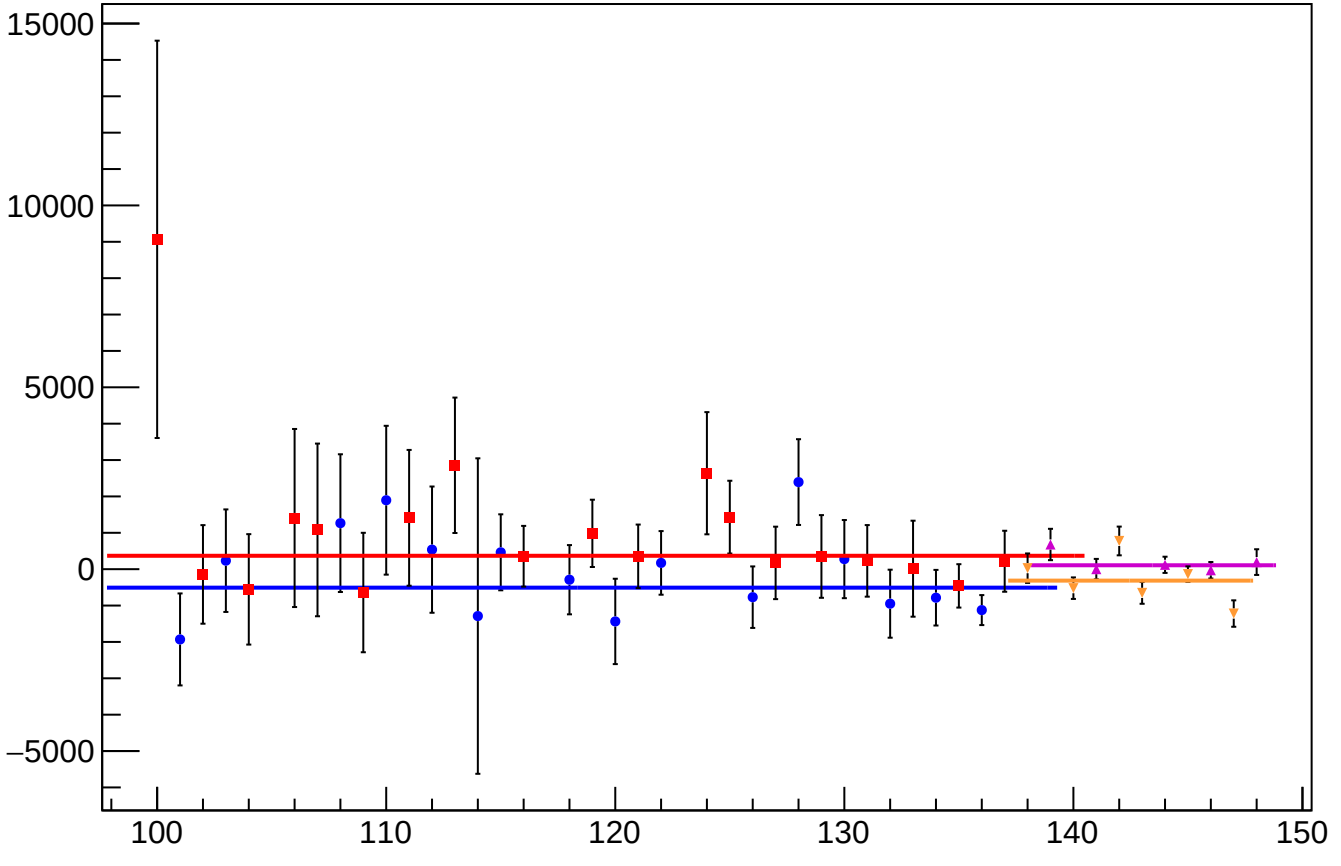
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.188+/-0.013 χ^2/NDF:1806955.3/20

Out: 58.554+/-0.013 χ^2/NDF:2205009.2/24

All: 58.371+/-0.009 χ^2/NDF: 4012379.7/45

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: -314.514+/-124.254 χ^2/NDF:17.0/5

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 107.591+/-123.342 χ^2/NDF:2.3/4

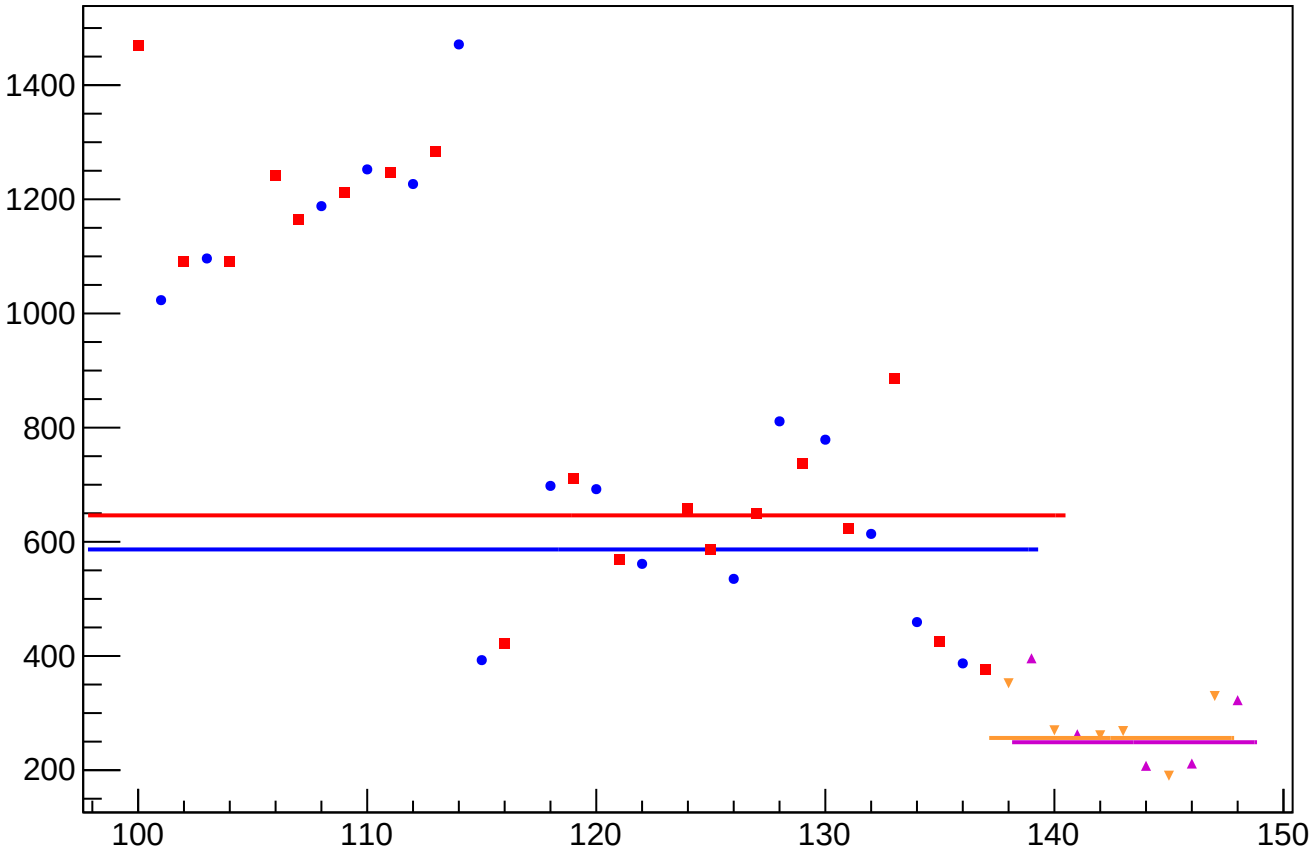
Left: -101.907+/-87.537 χ^2/NDF: 25.2/10

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -23.635+/-109.406 χ^2/NDF:23.3/20

Out: -184.758+/-111.827 χ^2/NDF:34.0/24

All: -102.434+/-78.204 χ^2/NDF: 58.4/45



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 256.438+/-0.088 χ^2/NDF:394359.2/5

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

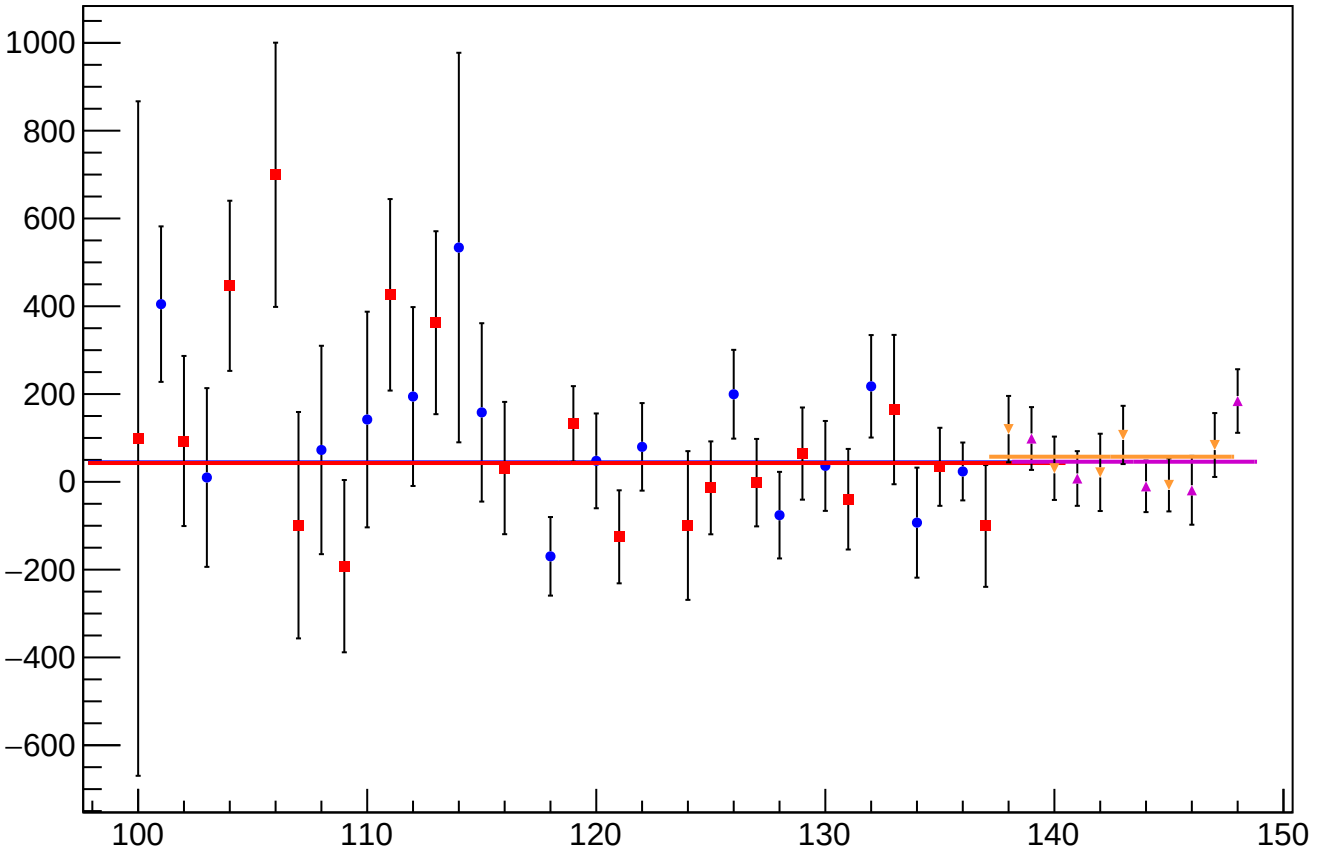
Left: 252.659+/-0.062 χ^2/NDF: 845873.1/10

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.936+/-0.077 χ^2/NDF:5697585.4/20

Out: 330.525+/-0.079 χ^2/NDF:6199502.5/24

All: 325.625+/-0.055 χ^2/NDF: 11904602.0/45



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 57.261+/-29.031 χ^2/NDF:2.8/5

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.820+/-30.196 χ^2/NDF:6.2/4

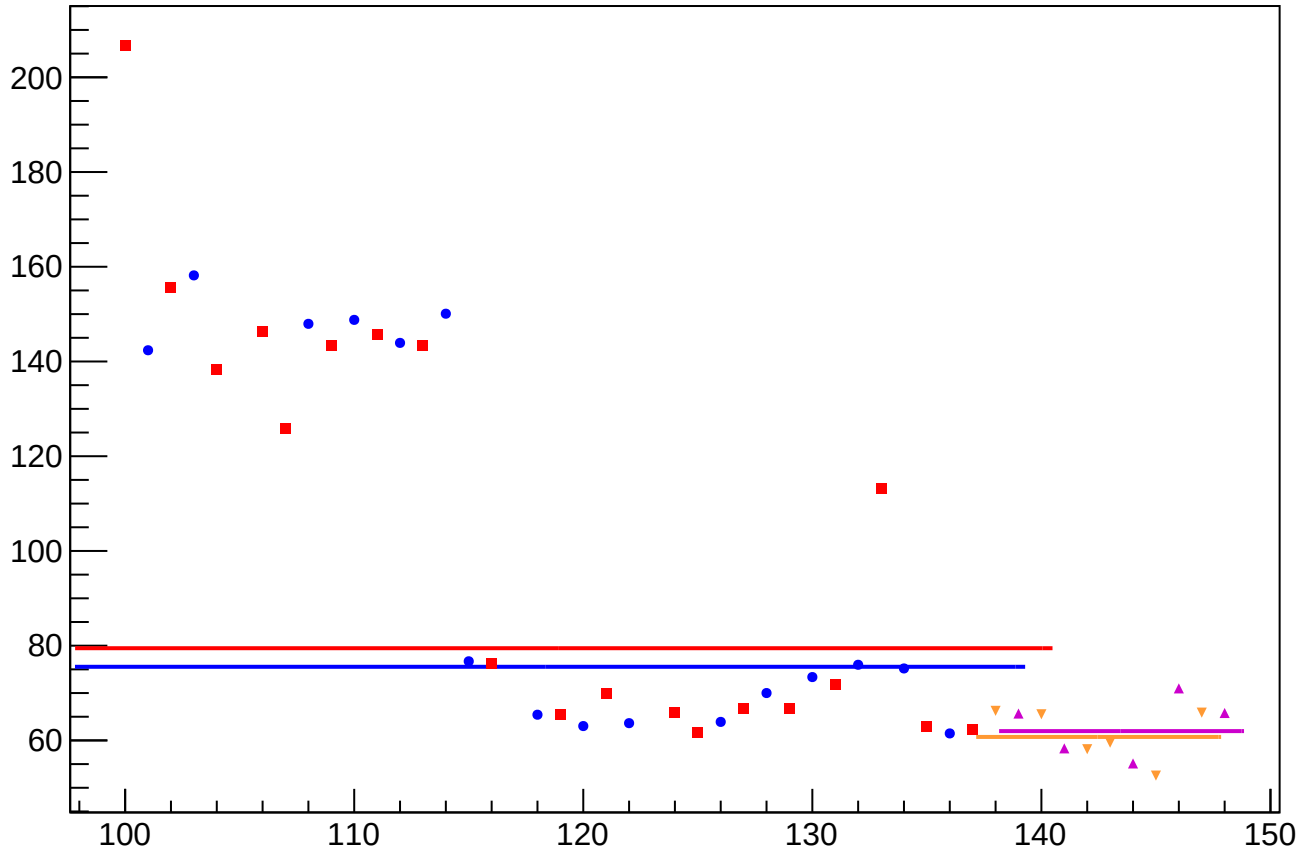
Left: 51.766+/-20.928 χ^2/NDF: 9.1/10

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.097+/-21.250 χ^2/NDF:25.8/20

Out: 50.608+/-21.269 χ^2/NDF:26.2/24

All: 47.850+/-15.032 χ^2/NDF: 52.0/45



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.734+/-0.021 χ^2/NDF:68312.2/5

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.966+/-0.021 χ^2/NDF:71332.1/4

Left: 61.326+/-0.015 χ^2/NDF: 141375.2/10

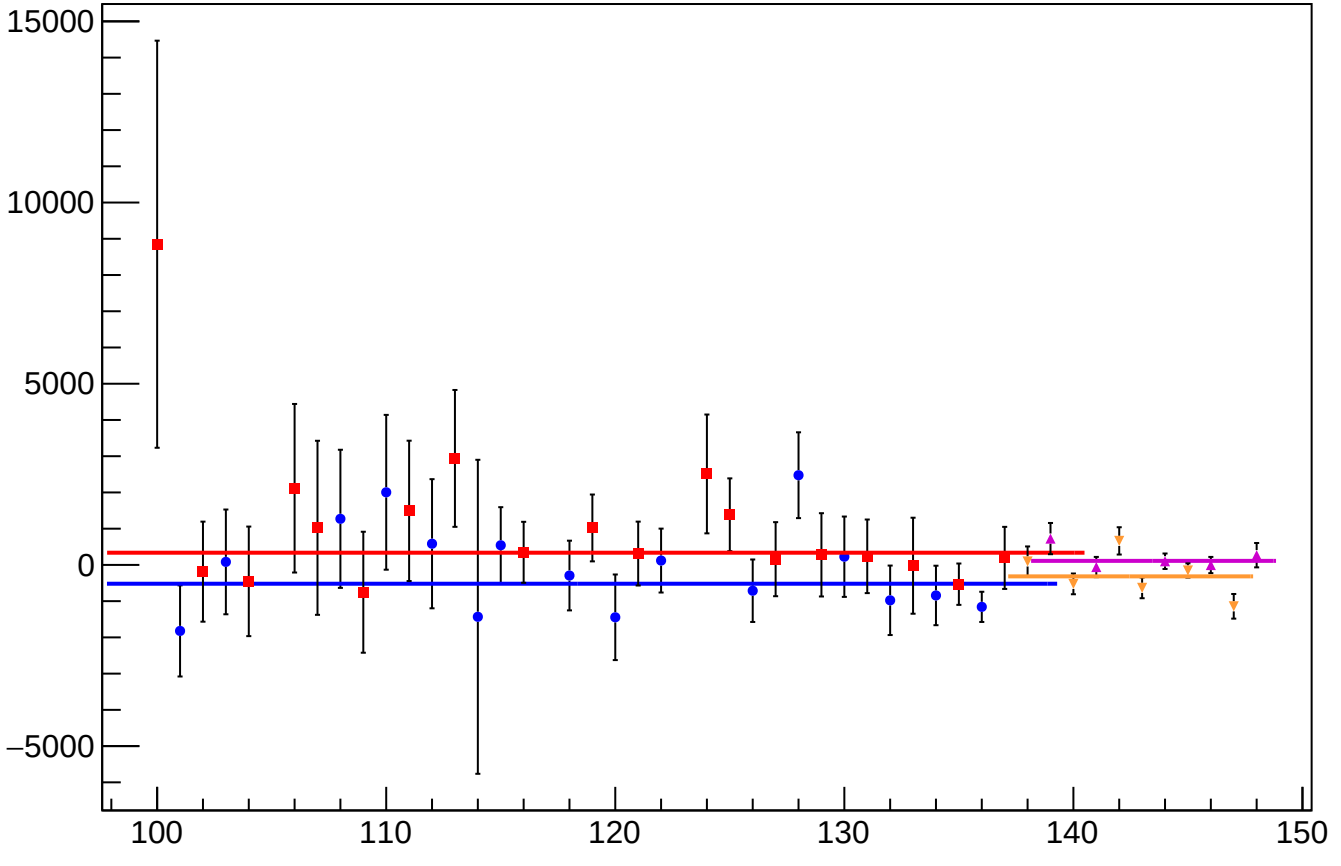
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 68.820+/-0.015 χ^2/NDF:1741019.1/20

Out: 69.412+/-0.015 χ^2/NDF:2137682.6/24

All: 69.116+/-0.011 χ^2/NDF: 3879475.2/45

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -316.198+/-117.942 χ^2/NDF:16.1/5

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 111.614+/-120.413 χ^2/NDF:2.9/4

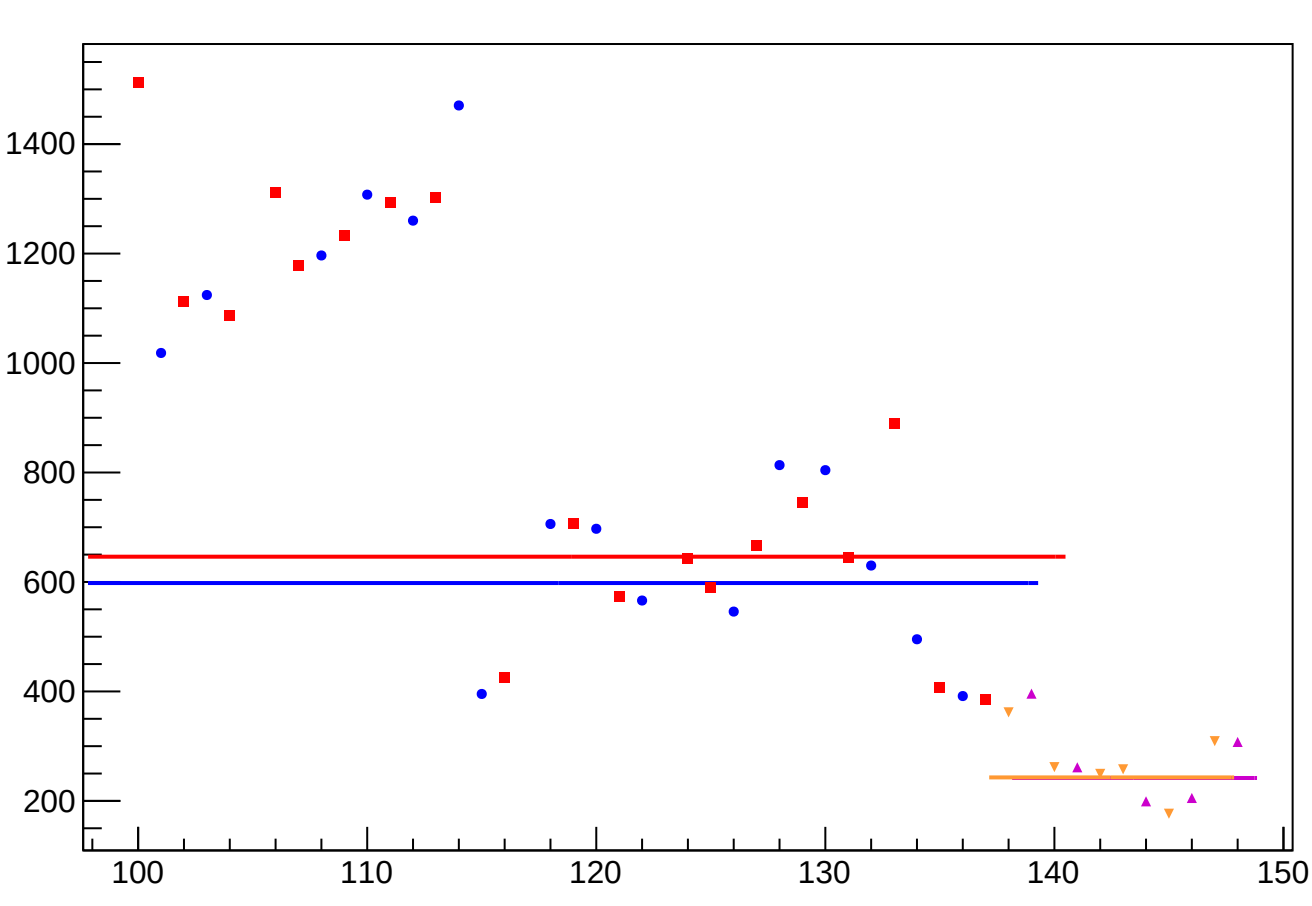
Left: -106.728+/-84.258 χ^2/NDF: 25.4/10

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -14.149+/-107.745 χ^2/NDF:24.2/20

Out: -202.331+/-107.165 χ^2/NDF:33.4/24

All: -108.747+/-75.981 χ^2/NDF: 59.1/45



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 242.922+/-0.083 χ^2/NDF:483758.7/5

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 241.851+/-0.085 χ^2/NDF:475079.1/4

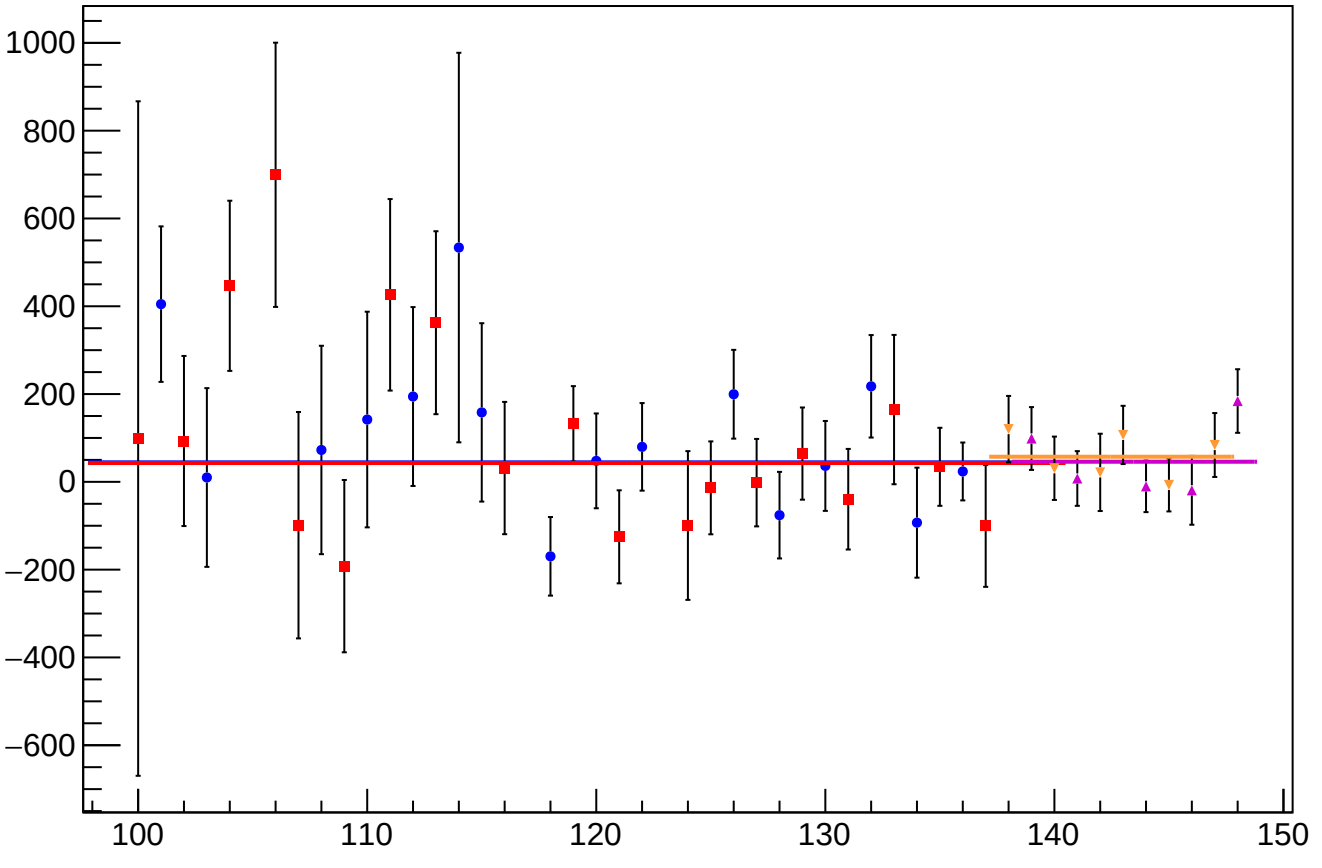
Left: 242.397+/-0.060 χ^2/NDF: 958918.4/10

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 312.859+/-0.076 χ^2/NDF:6011643.4/20

Out: 313.250+/-0.076 χ^2/NDF:6766915.9/24

All: 313.055+/-0.054 χ^2/NDF: 12778572.6/45



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 57.260+/-29.031 χ^2/NDF:2.8/5

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.821+/-30.196 χ^2/NDF:6.2/4

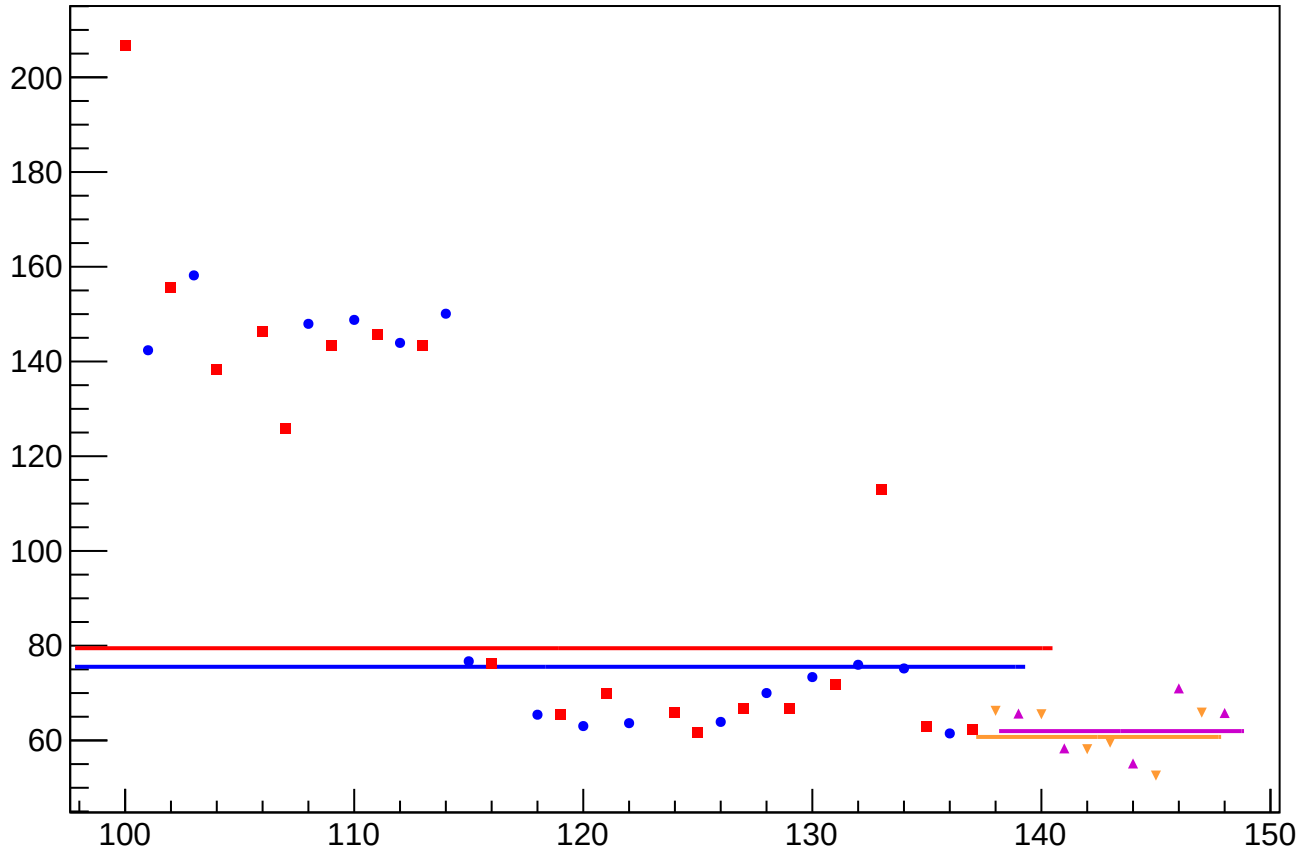
Left: 51.765+/-20.928 χ^2/NDF: 9.1/10

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.098+/-21.250 χ^2/NDF:25.8/20

Out: 50.608+/-21.269 χ^2/NDF:26.2/24

All: 47.850+/-15.032 χ^2/NDF: 52.0/45



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.734+/-0.021 χ^2/NDF:68307.5/5

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.966+/-0.021 χ^2/NDF:71331.3/4

Left: 61.326+/-0.015 χ^2/NDF: 141369.6/10

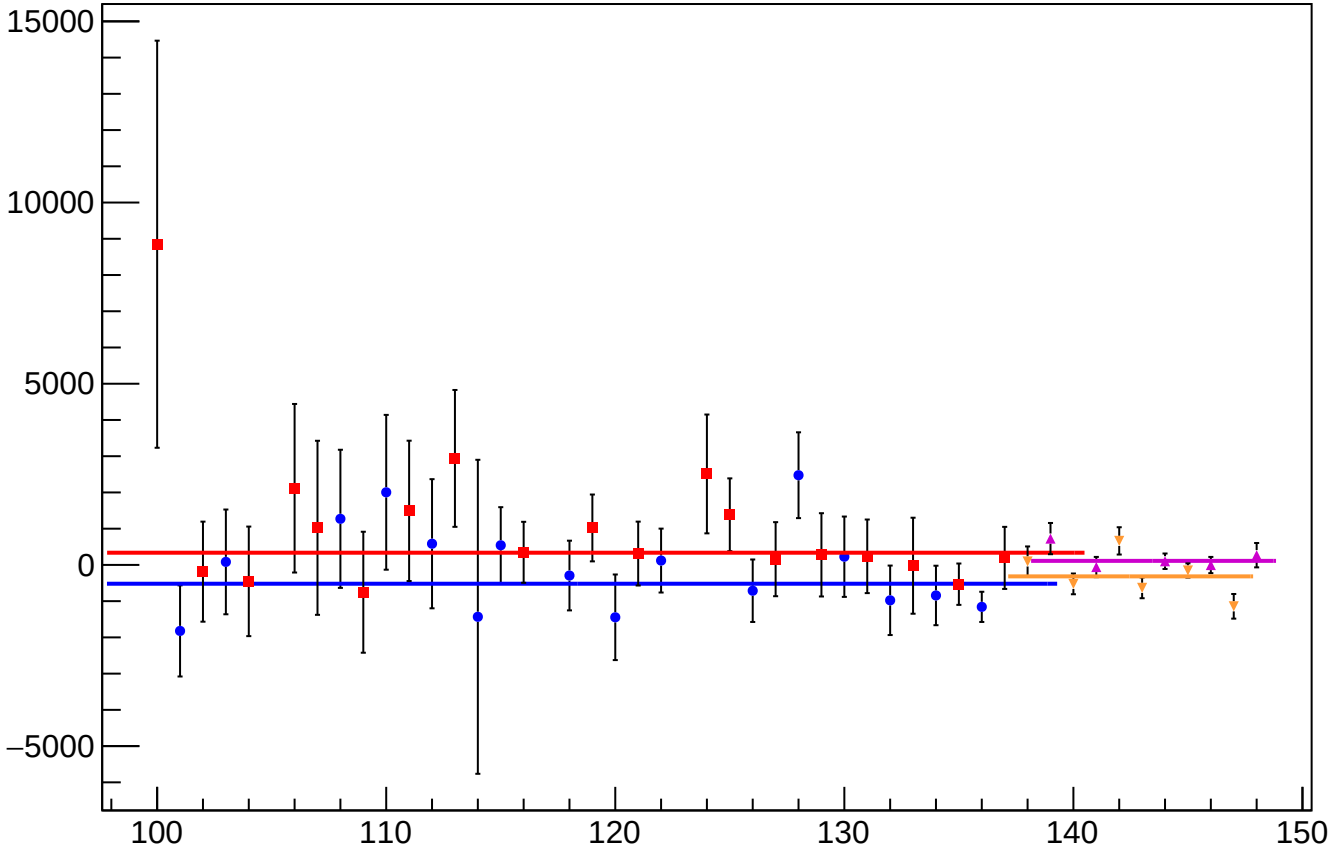
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 68.820+/-0.015 χ^2/NDF:1740987.3/20

Out: 69.412+/-0.015 χ^2/NDF:2137650.0/24

All: 69.116+/-0.011 χ^2/NDF: 3879411.0/45

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: -316.200+/-117.942 χ^2/NDF:16.1/5

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 111.615+/-120.413 χ^2/NDF:2.9/4

Left: -106.728+/-84.258 χ^2/NDF: 25.4/10

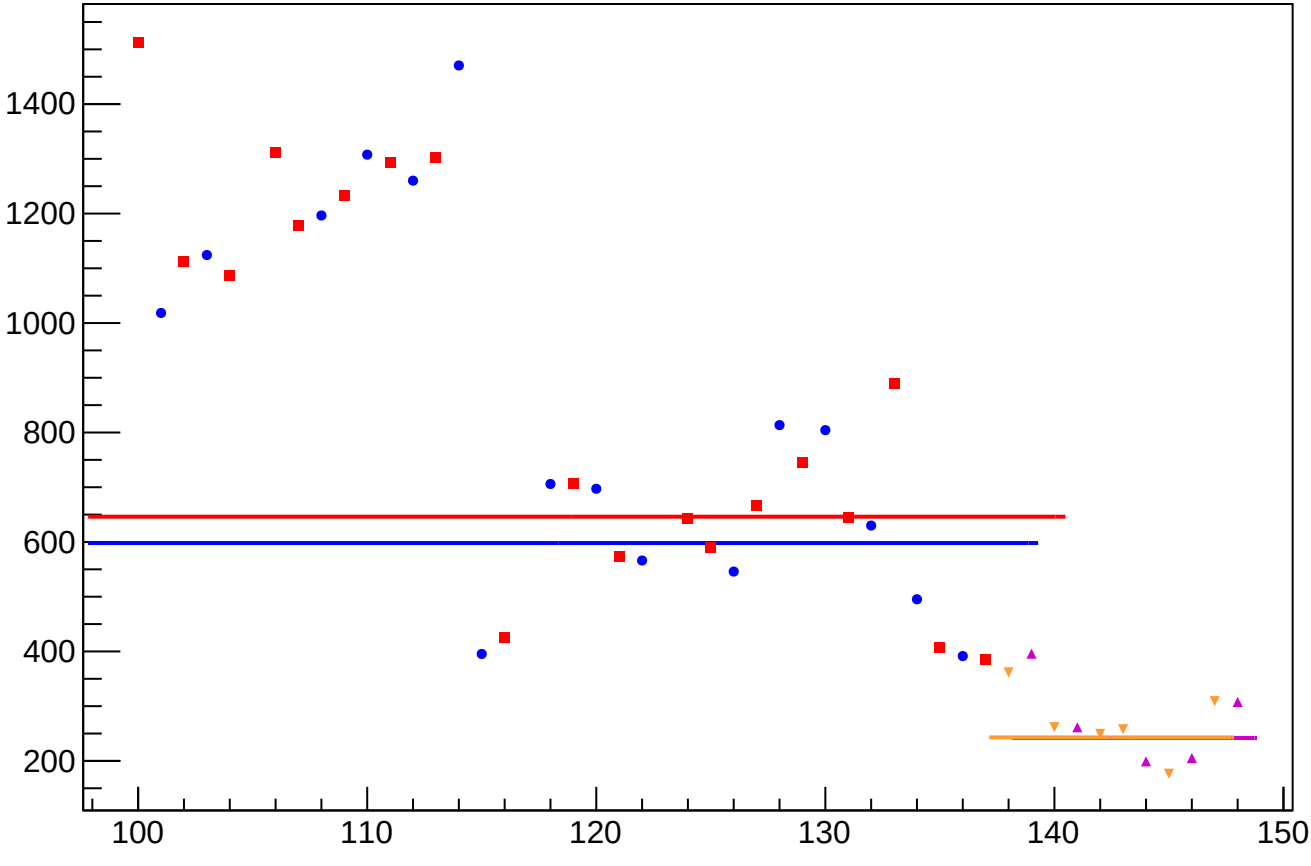
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -14.148+/-107.745 χ^2/NDF:24.2/20

Out: -202.332+/-107.165 χ^2/NDF:33.4/24

All: -108.748+/-75.981 χ^2/NDF: 59.1/45

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: 242.921+/-0.083 χ^2/NDF:483759.6/5

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 241.851+/-0.085 χ^2/NDF:475074.5/4

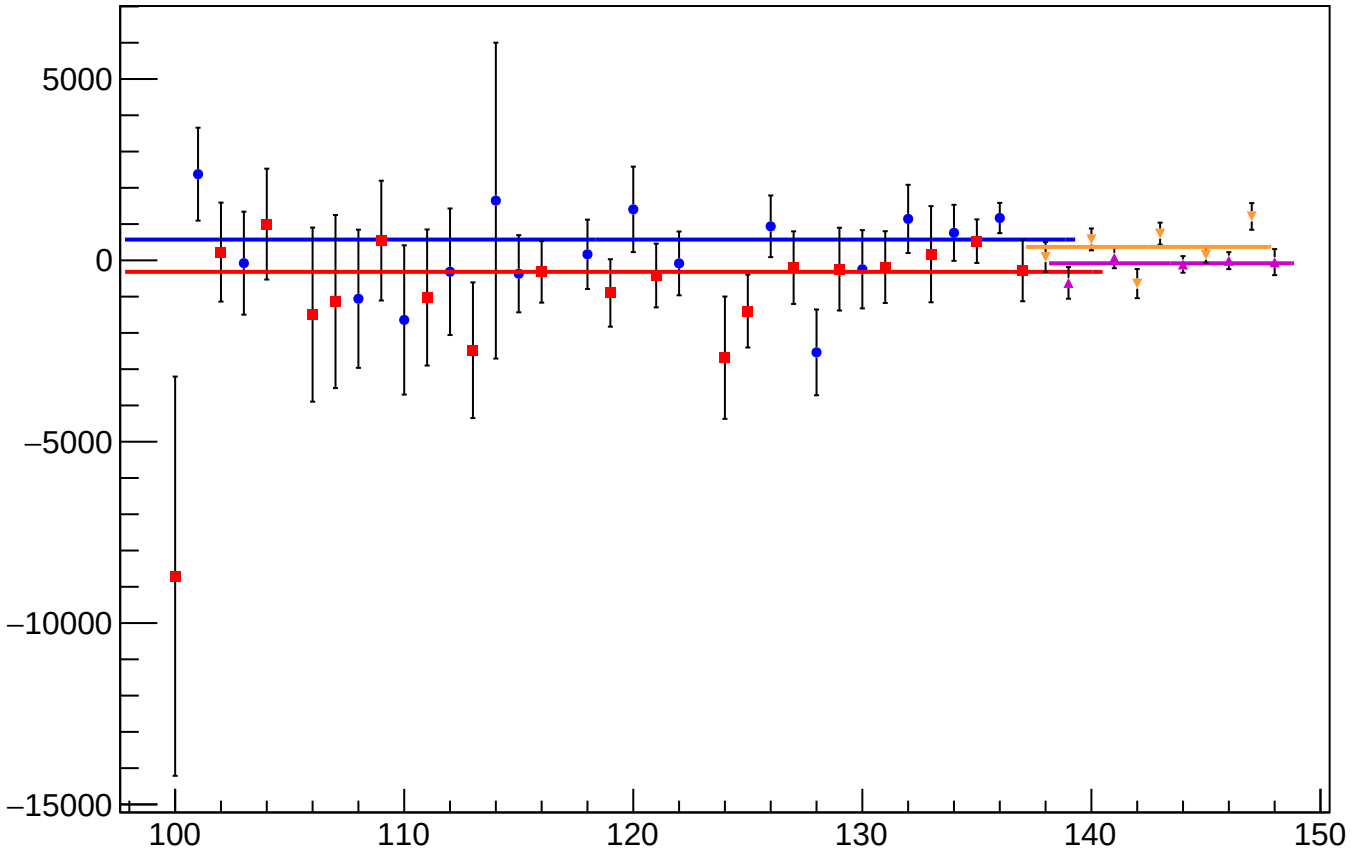
Left: 242.397+/-0.060 χ^2/NDF: 958914.7/10

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 312.858+/-0.076 χ^2/NDF:6011625.9/20

Out: 313.249+/-0.076 χ^2/NDF:6766915.2/24

All: 313.055+/-0.054 χ^2/NDF: 12778554.3/45



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 371.078+/-126.795 χ^2/NDF:14.9/5

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -81.115+/-126.280 χ^2/NDF:1.9/4

Left: 144.061+/-89.475 χ^2/NDF: 23.2/10

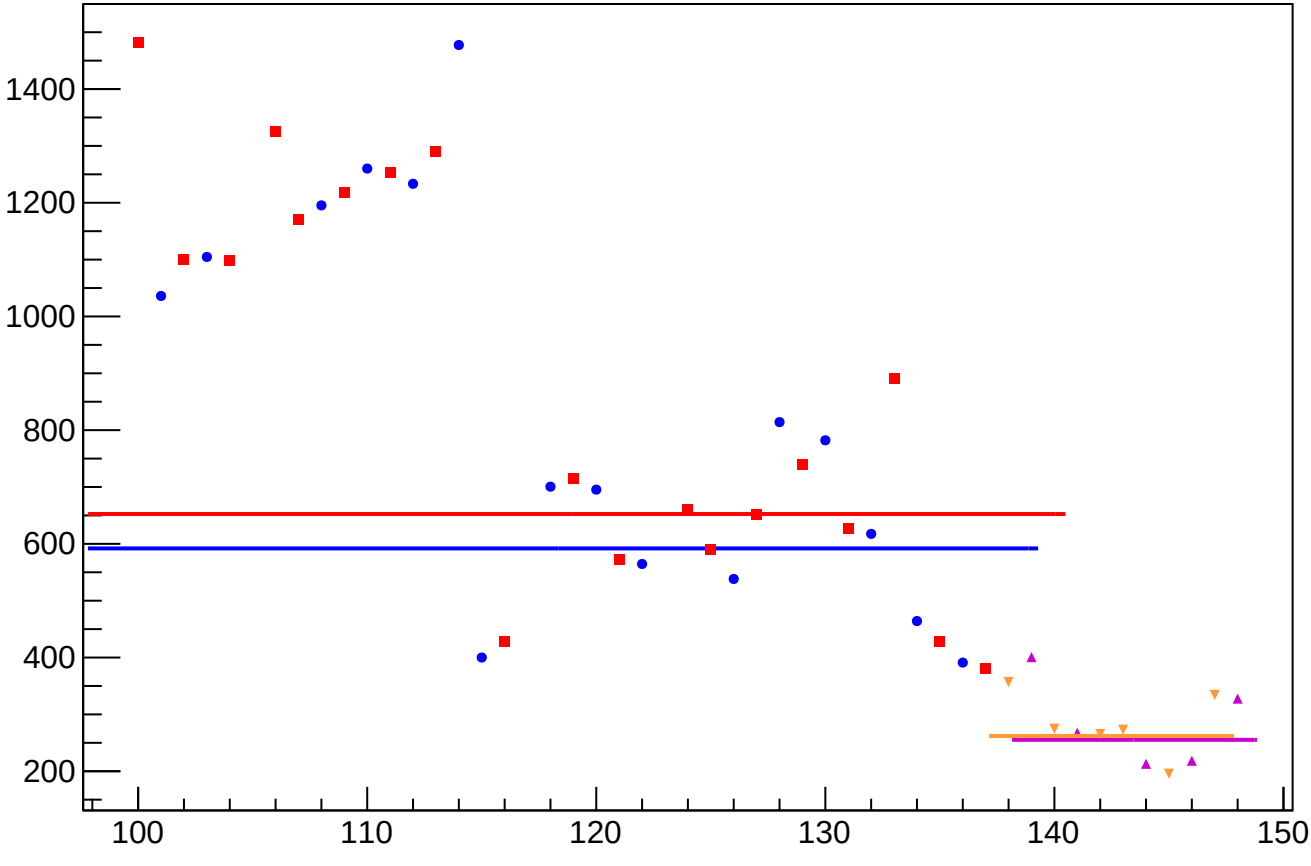
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 61.797+/-111.645 χ^2/NDF:24.4/20

Out: 237.451+/-113.816 χ^2/NDF:31.6/24

All: 147.933+/-79.701 χ^2/NDF: 57.2/45

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 262.000+/-0.090 χ^2/NDF:374396.7/5

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 255.261+/-0.089 χ^2/NDF:425436.9/4

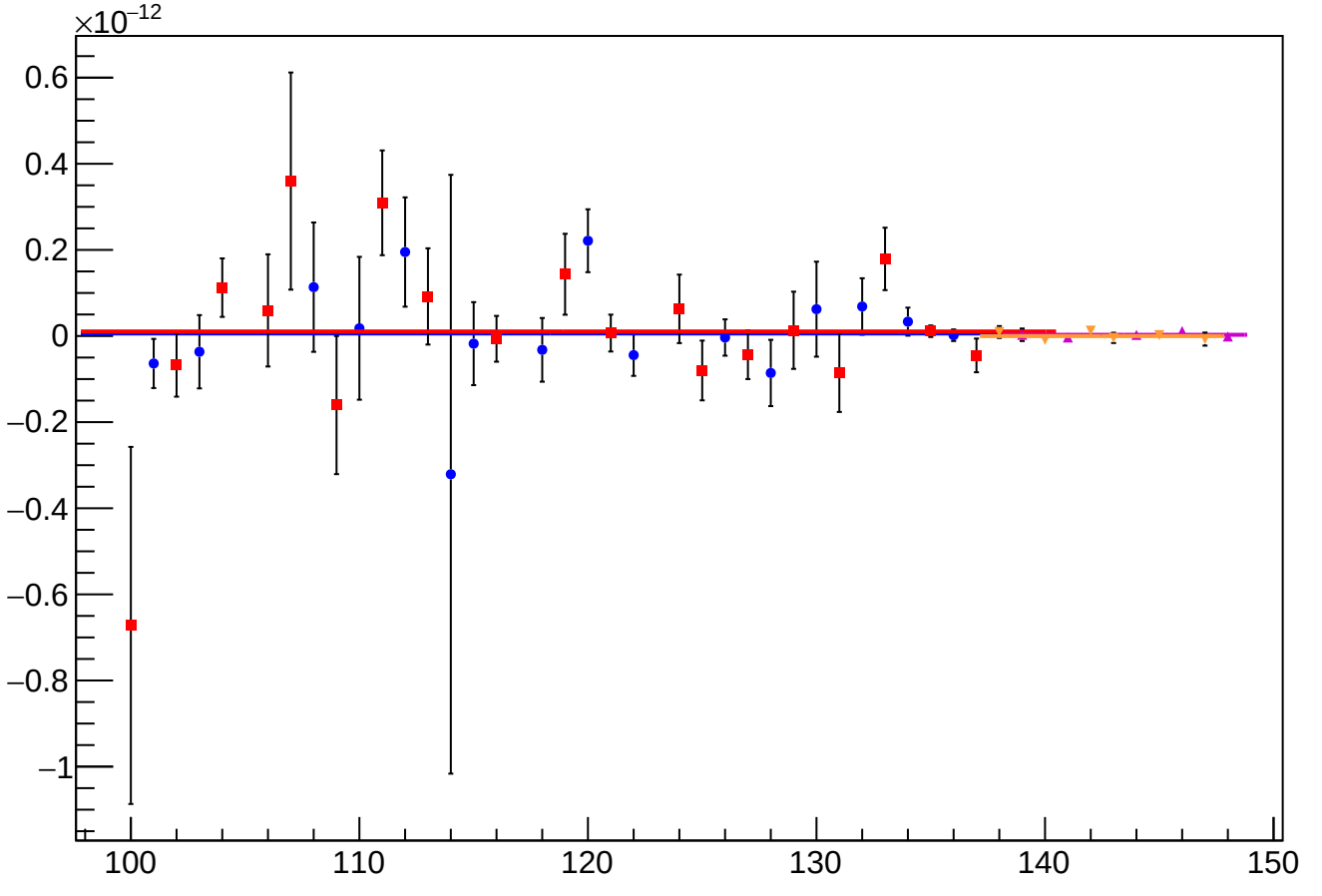
Left: 258.617+/-0.063 χ^2/NDF: 802670.0/10

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 328.785+/-0.079 χ^2/NDF:5566047.0/20

Out: 337.847+/-0.080 χ^2/NDF:6148537.7/24

All: 333.229+/-0.056 χ^2/NDF: 11721046.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

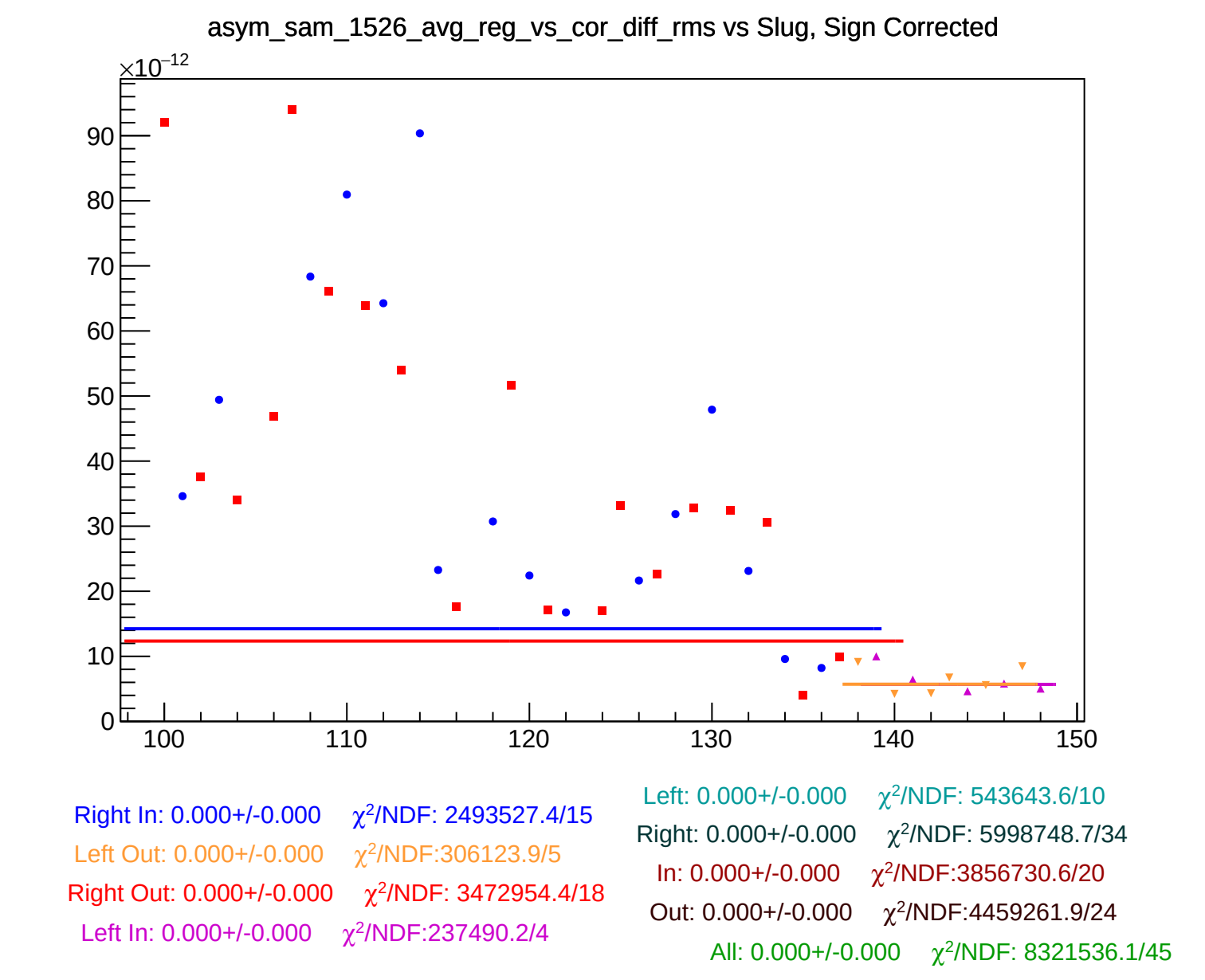
Left: 0.000+/-0.000 χ^2/NDF: 4.9/10

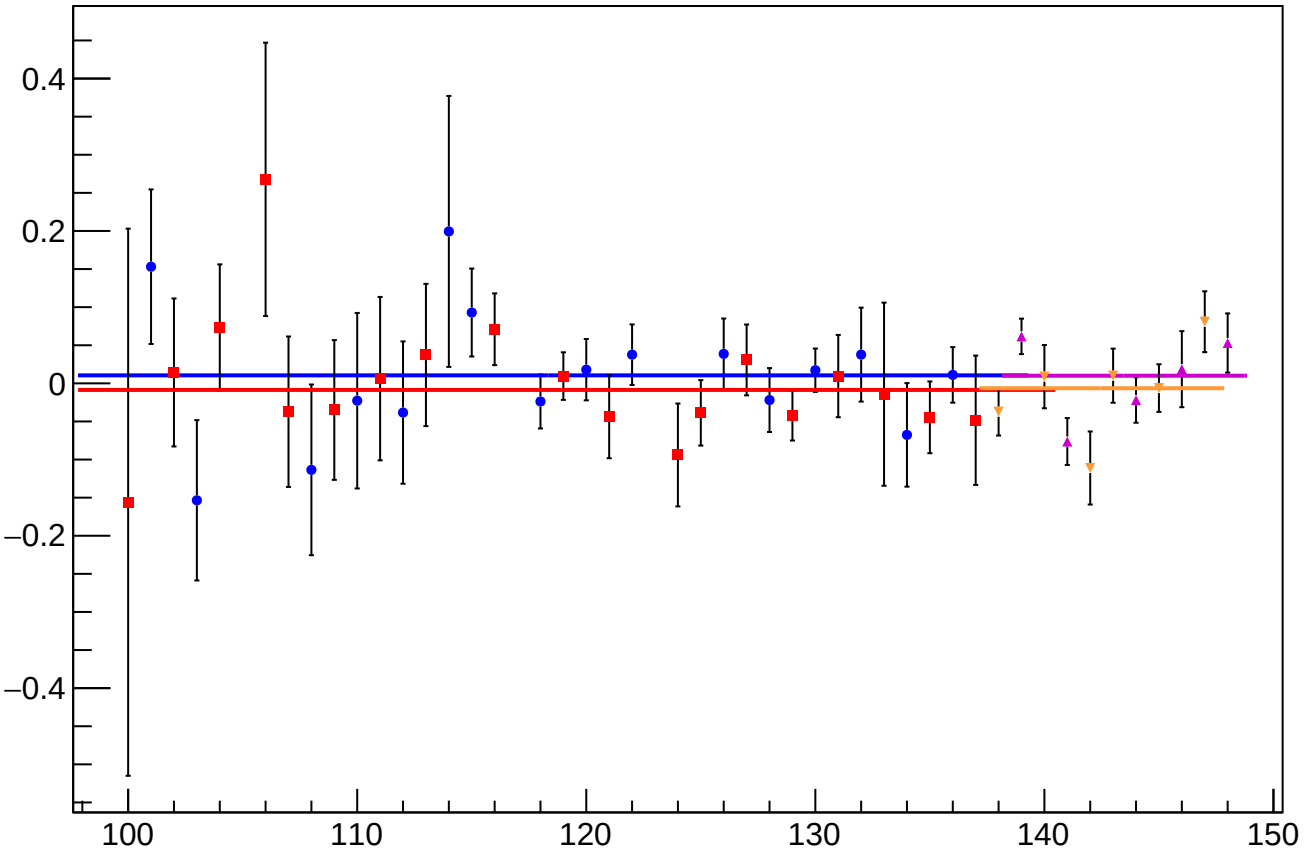
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:19.5/20

Out: 0.000+/-0.000 χ^2/NDF:33.8/24

All: 0.000+/-0.000 χ^2/NDF: 53.5/45


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:306123.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:237490.2/4
Left: 0.000+/-0.000 χ²/NDF: 543643.6/10
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:3856730.6/20
Out: 0.000+/-0.000 χ²/NDF:4459261.9/24
All: 0.000+/-0.000 χ²/NDF: 8321536.1/45



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

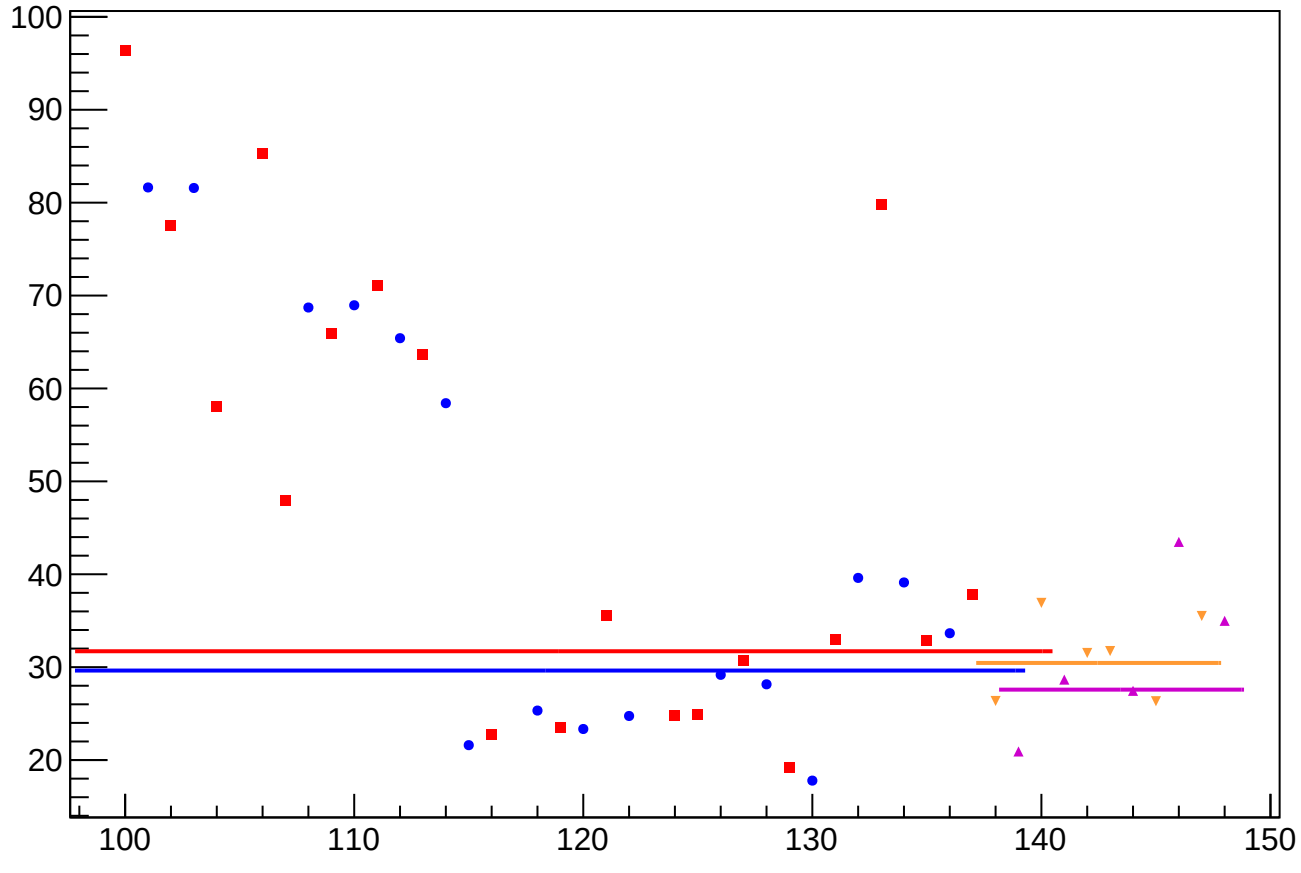
Left: 0.002+/-0.010 χ^2/NDF: 26.7/10

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.002+/-0.007 χ^2/NDF: 53.4/45



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.454+/-0.011 χ^2/NDF:153155.6/5

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

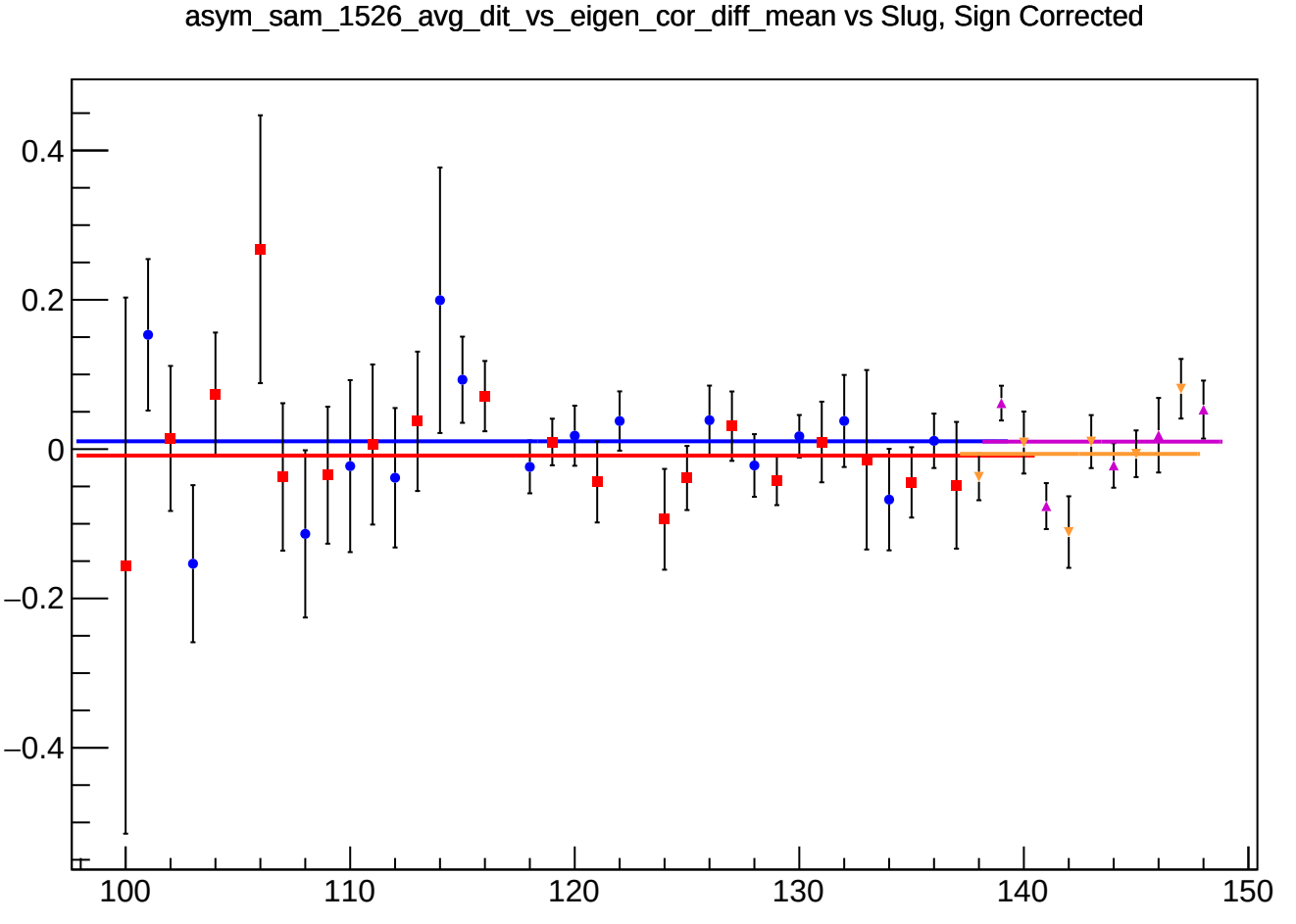
Left: 28.926+/-0.007 χ^2/NDF: 634064.2/10

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.720+/-0.007 χ^2/NDF:2913852.7/20

Out: 31.159+/-0.007 χ^2/NDF:2812571.1/24

All: 29.869+/-0.005 χ^2/NDF: 5790485.3/45



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

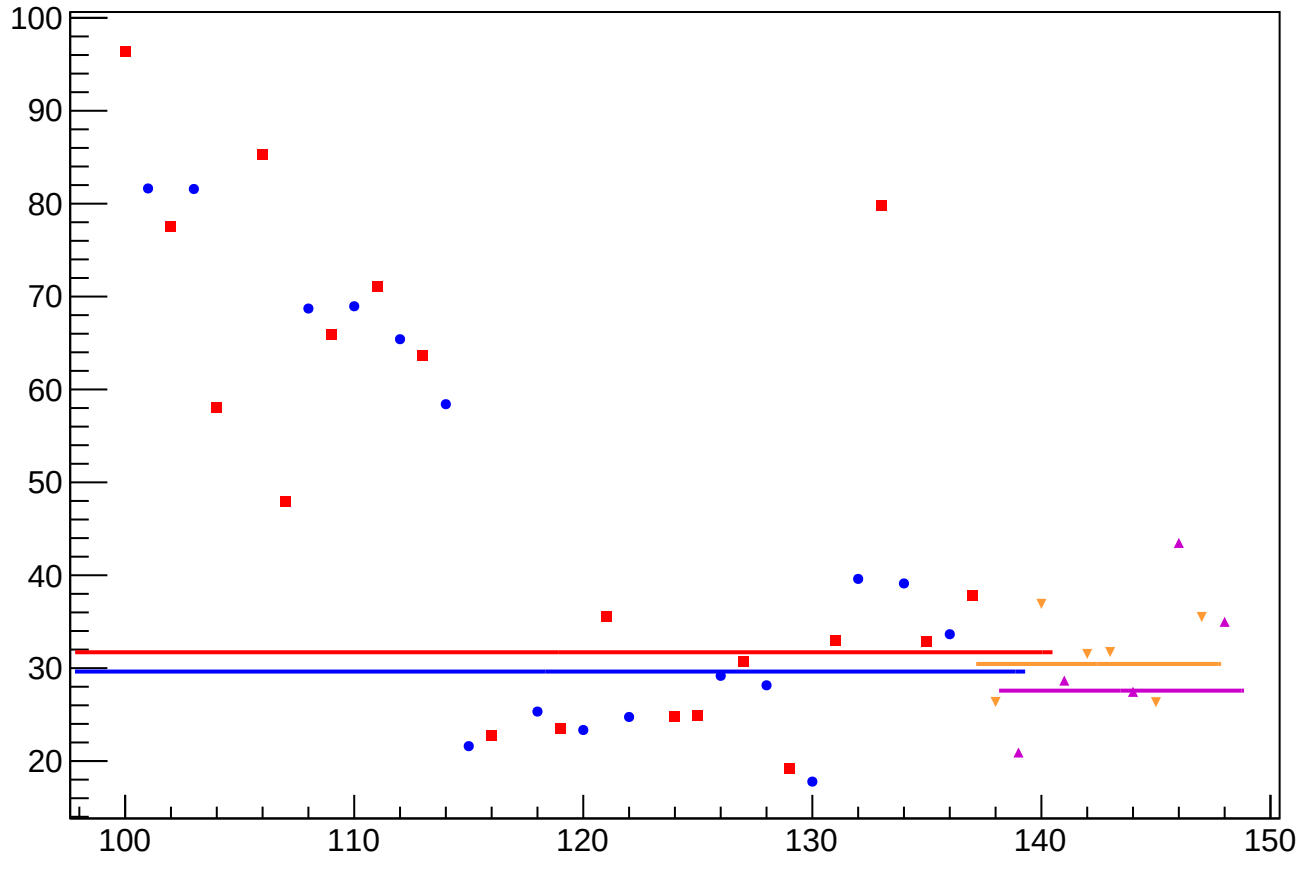
Left: 0.002+/-0.010 χ^2/NDF: 26.7/10

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.002+/-0.007 χ^2/NDF: 53.4/45



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.454+/-0.011 χ^2/NDF:153155.6/5

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

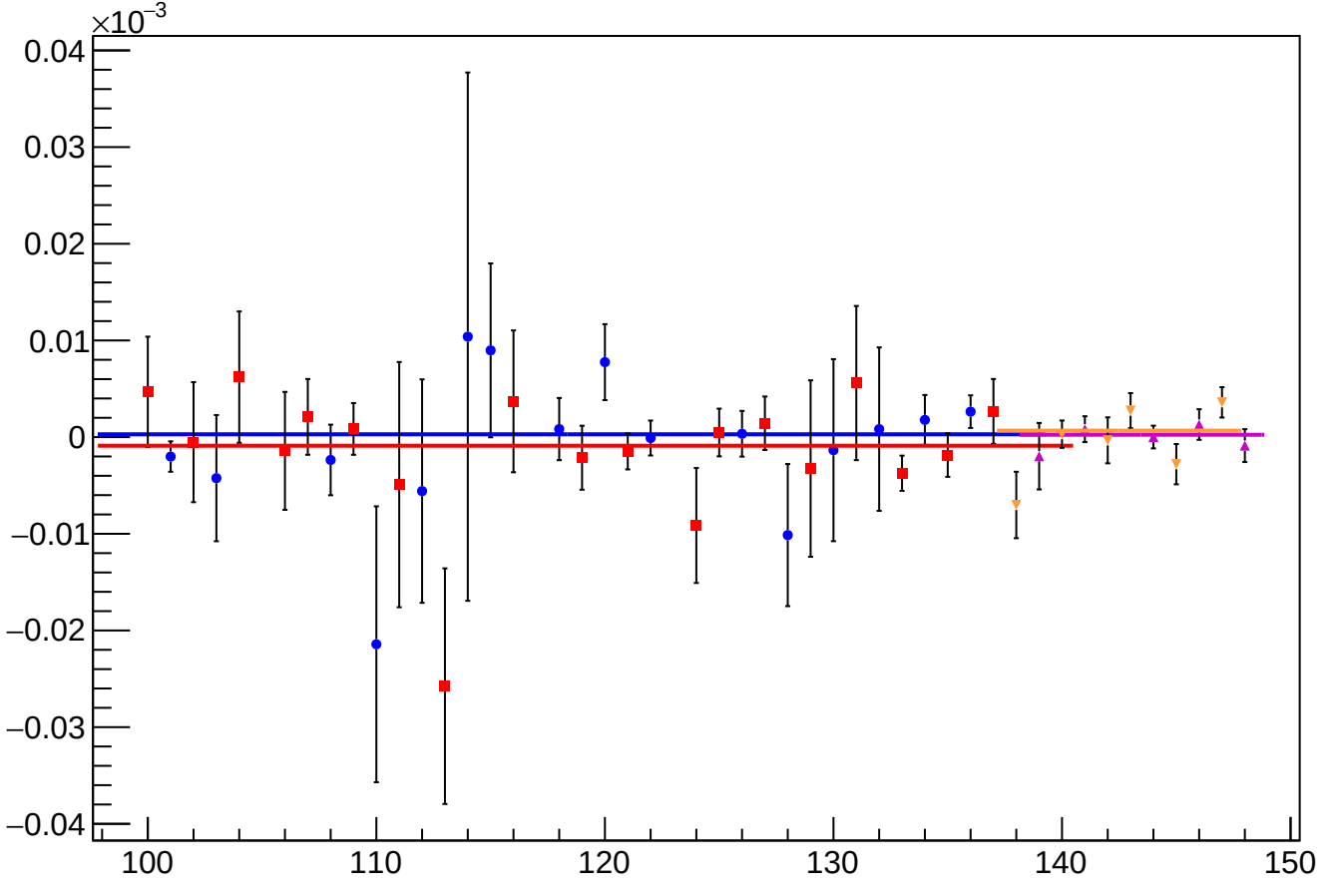
Left: 28.926+/-0.007 χ^2/NDF: 634064.2/10

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.720+/-0.007 χ^2/NDF:2913852.7/20

Out: 31.159+/-0.007 χ^2/NDF:2812571.1/24

All: 29.869+/-0.005 χ^2/NDF: 5790485.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

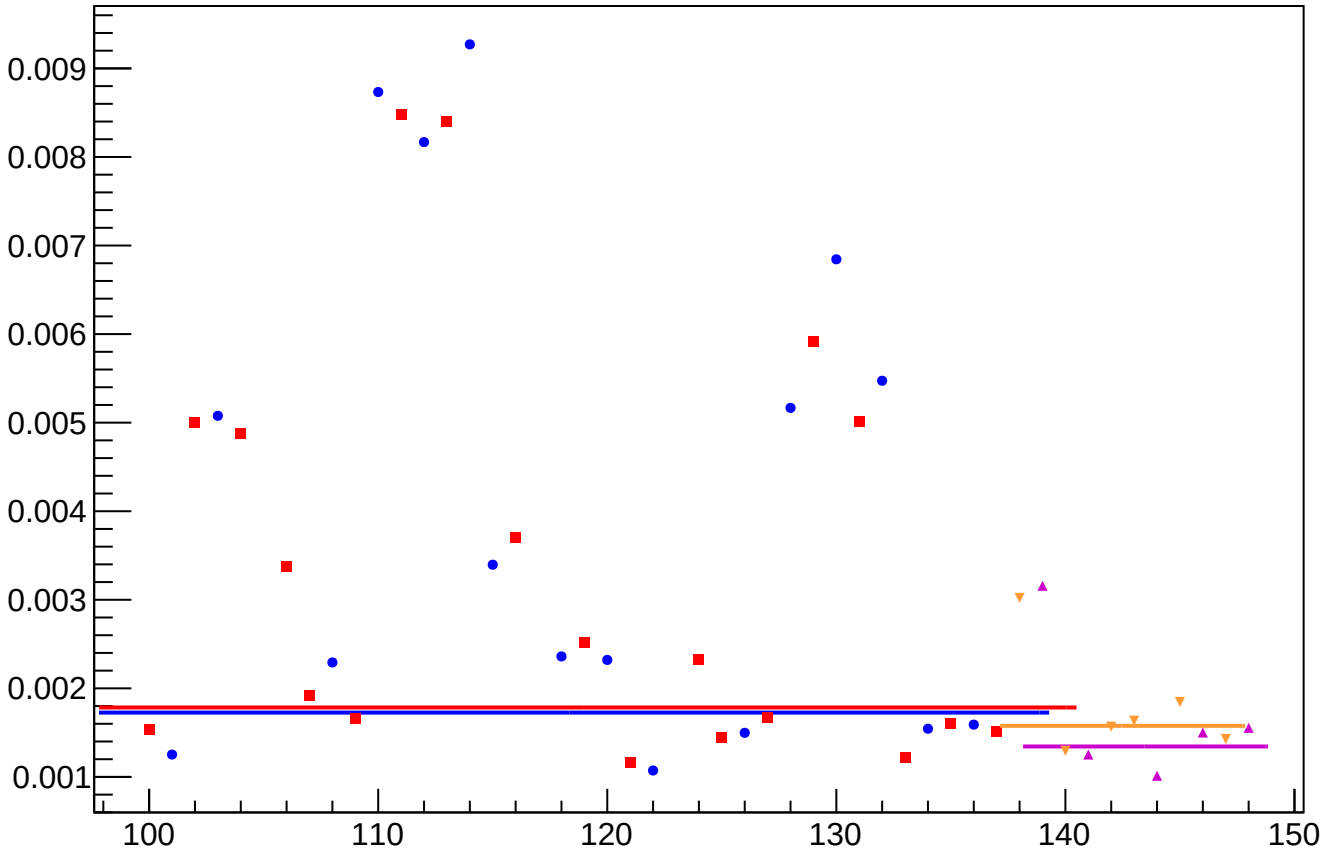
Left: 0.000+/-0.000 χ^2/NDF: 14.5/10

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:16.3/20

Out: -0.000+/-0.000 χ^2/NDF:30.2/24

All: 0.000+/-0.000 χ^2/NDF: 46.8/45



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:485974.5/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:774489.8/4

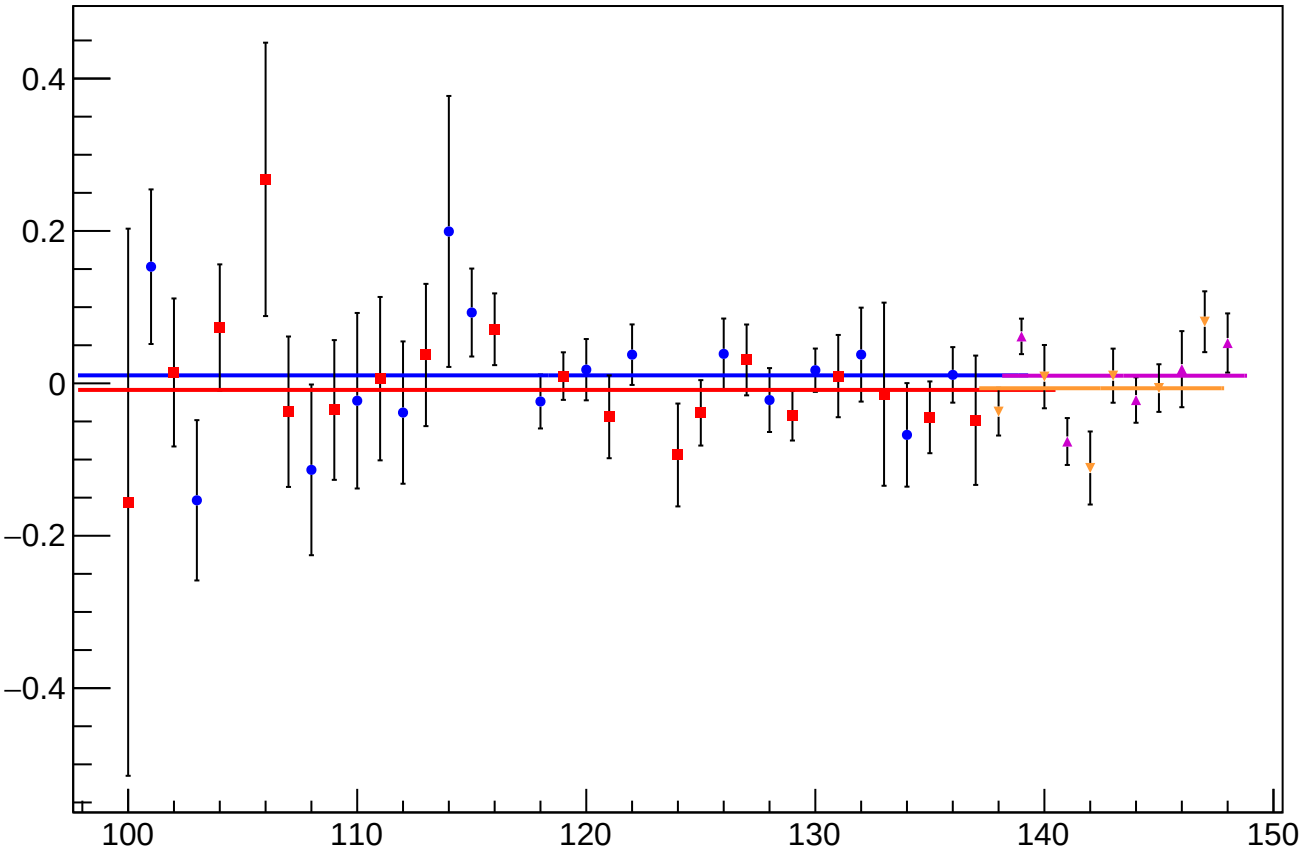
Left: 0.001+/-0.000 χ^2/NDF: 1362768.1/10

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:4984499.9/20

Out: 0.002+/-0.000 χ^2/NDF:4276876.5/24

All: 0.002+/-0.000 χ^2/NDF: 9357234.3/45



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

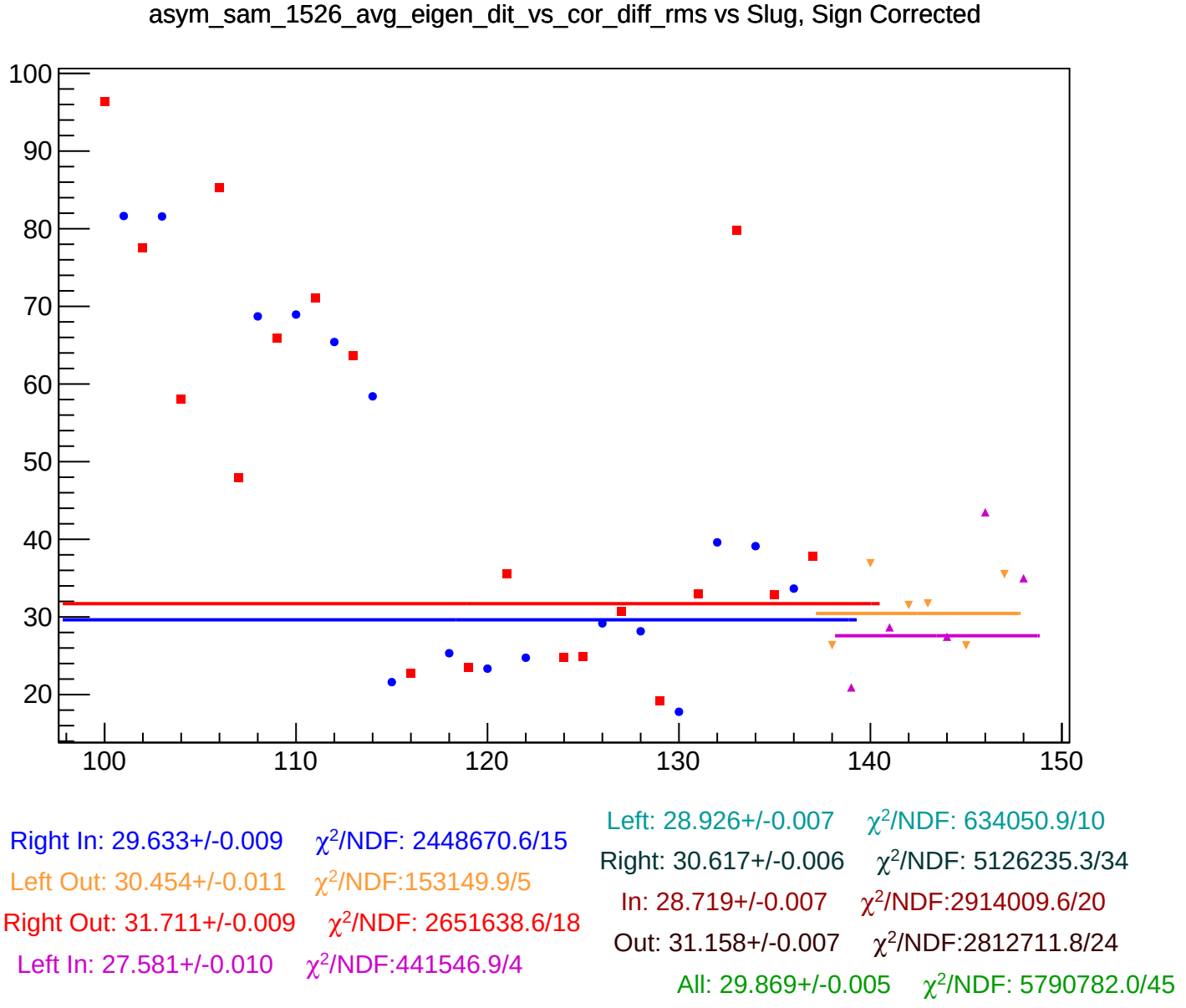
Left: 0.002+/-0.010 χ^2/NDF: 26.7/10

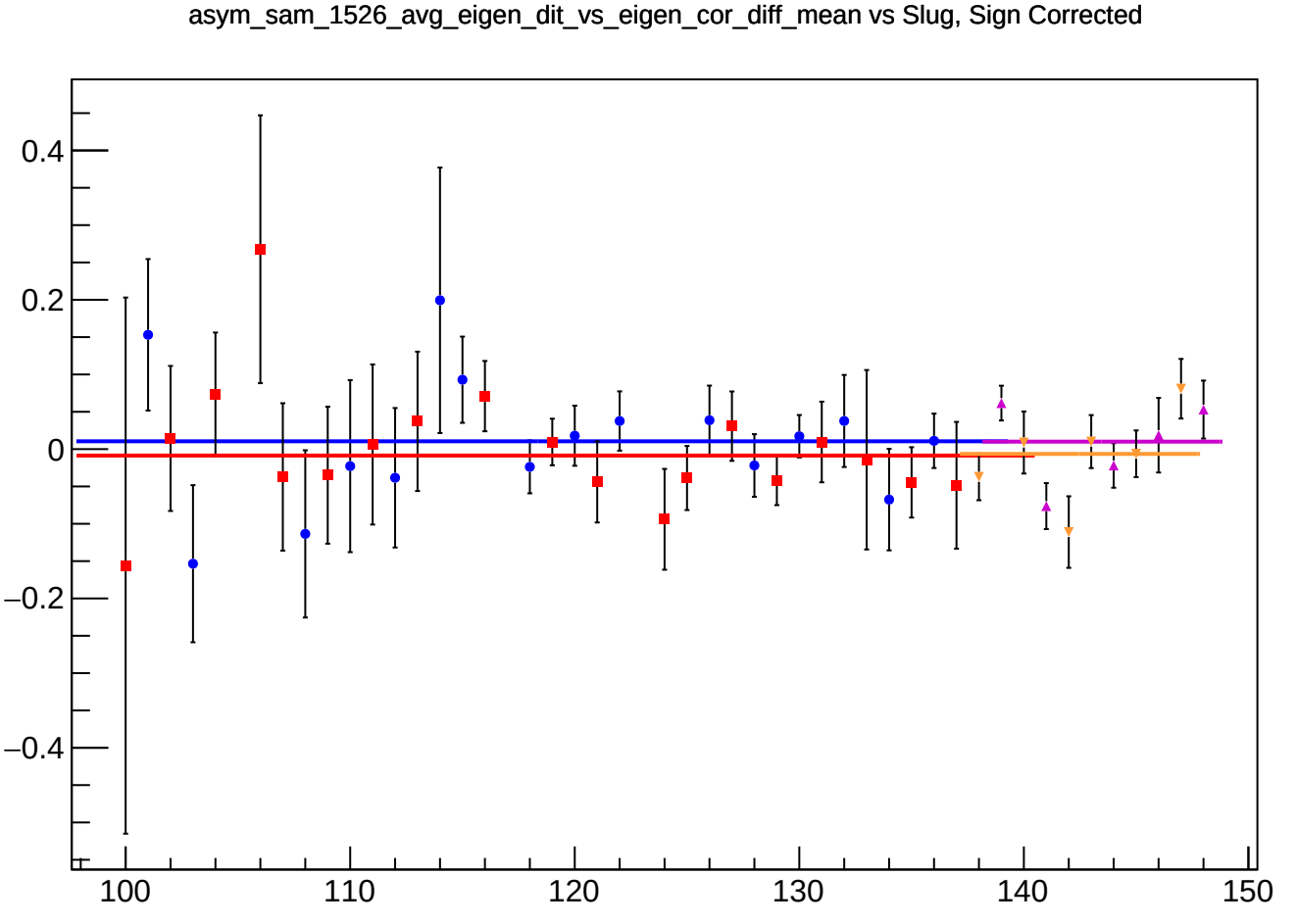
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.002+/-0.007 χ^2/NDF: 53.4/45


asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.633+/-0.009 χ2/NDF: 2448670.6/15
Left Out: 30.454+/-0.011 χ2/NDF:153149.9/5
Right Out: 31.711+/-0.009 χ2/NDF: 2651638.6/18
Left In: 27.581+/-0.010 χ2/NDF:441546.9/4
Left: 28.926+/-0.007 χ2/NDF: 634050.9/10
Right: 30.617+/-0.006 χ2/NDF: 5126235.3/34
In: 28.719+/-0.007 χ2/NDF:2914009.6/20
Out: 31.158+/-0.007 χ2/NDF:2812711.8/24
All: 29.869+/-0.005 χ2/NDF: 5790782.0/45



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

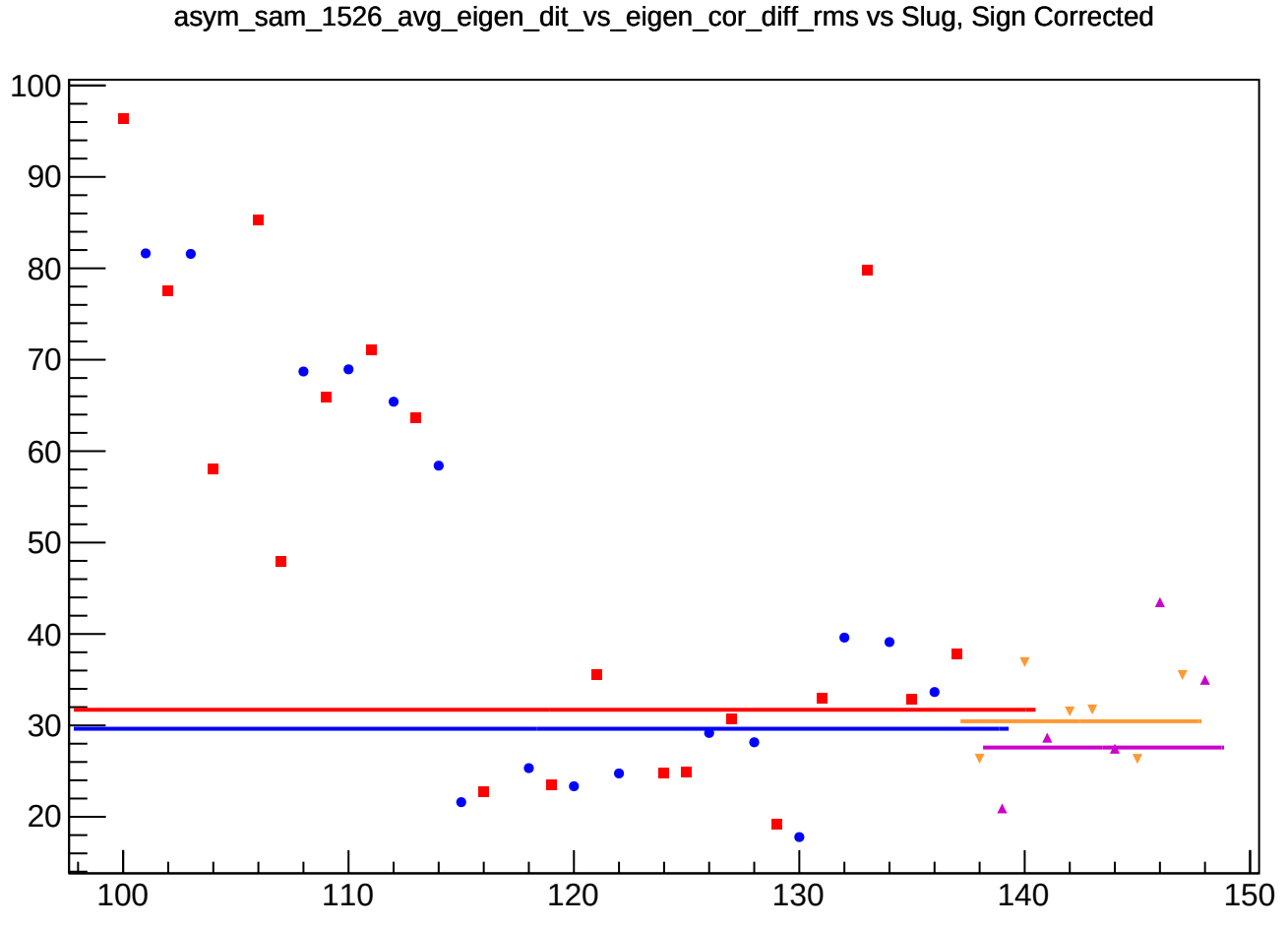
Left: 0.002+/-0.010 χ^2/NDF: 26.7/10

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.002+/-0.007 χ^2/NDF: 53.4/45



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.454+/-0.011 χ^2/NDF:153149.9/5

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

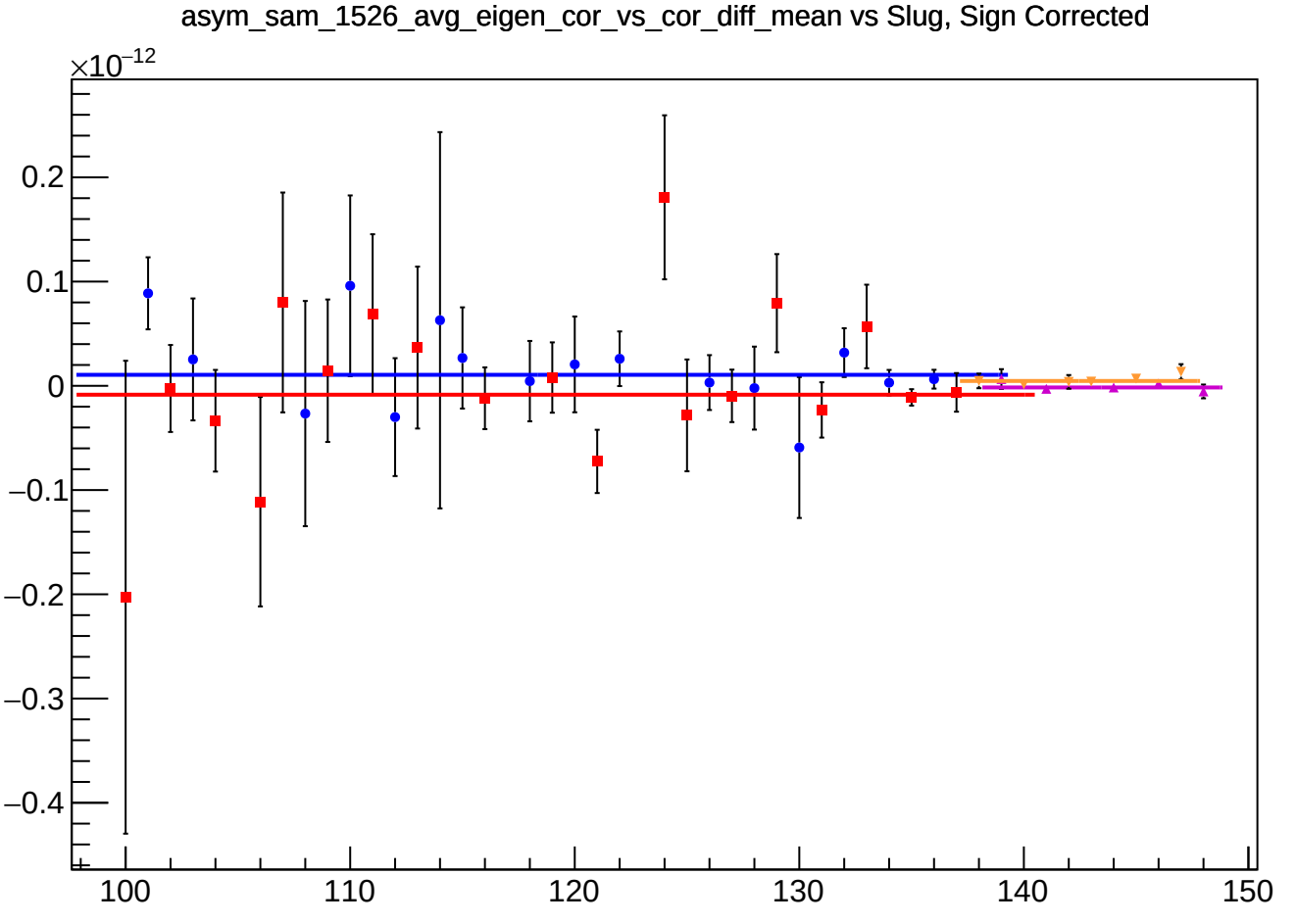
Left: 28.926+/-0.007 χ^2/NDF: 634050.9/10

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

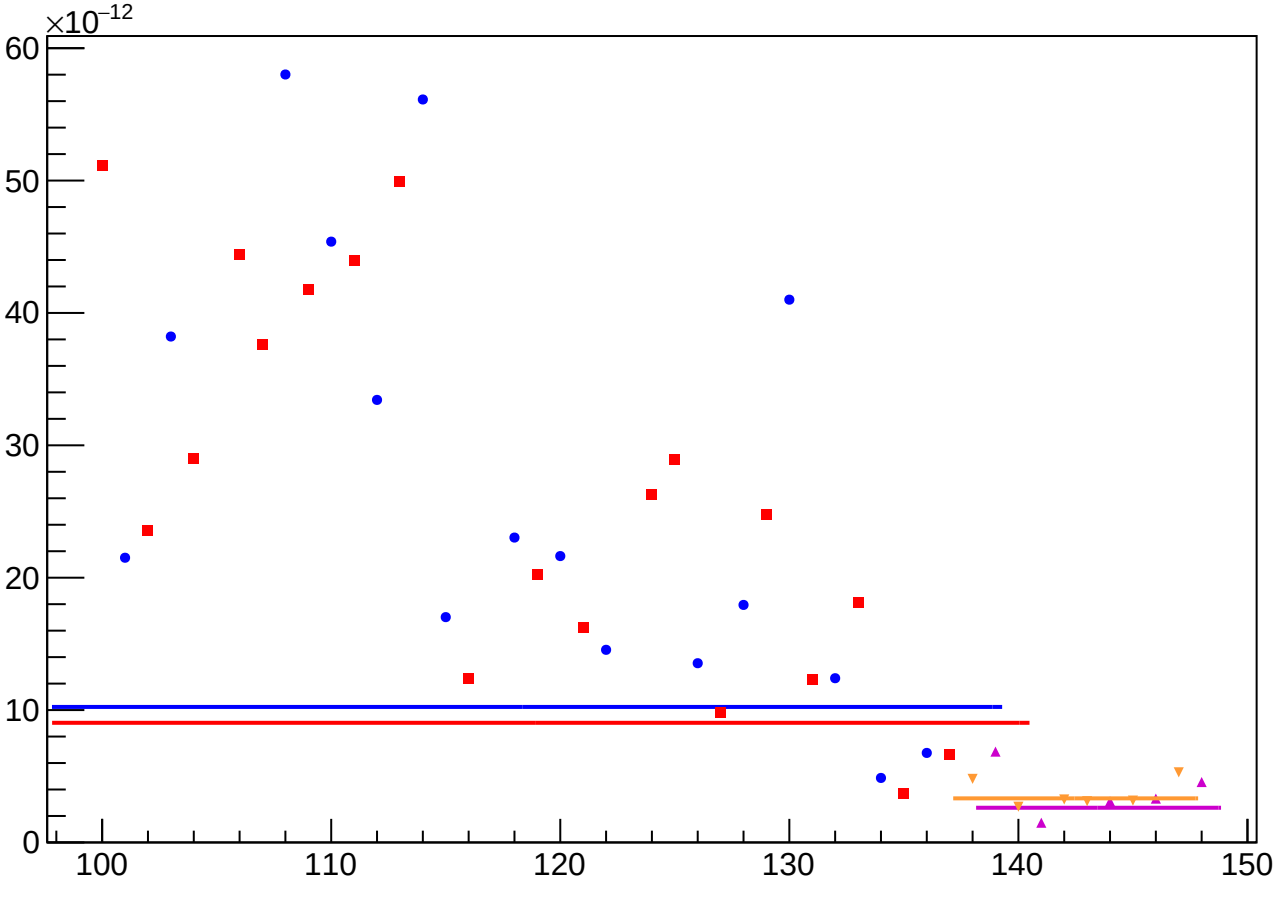
In: 28.719+/-0.007 χ^2/NDF:2914009.6/20

Out: 31.158+/-0.007 χ^2/NDF:2812711.8/24

All: 29.869+/-0.005 χ^2/NDF: 5790782.0/45


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:1.9/4
Left: 0.000+/-0.000 χ²/NDF: 9.5/10
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: -0.000+/-0.000 χ²/NDF:15.7/20
Out: 0.000+/-0.000 χ²/NDF:28.4/24
All: 0.000+/-0.000 χ²/NDF: 46.1/45

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:296841.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1000096.9/4

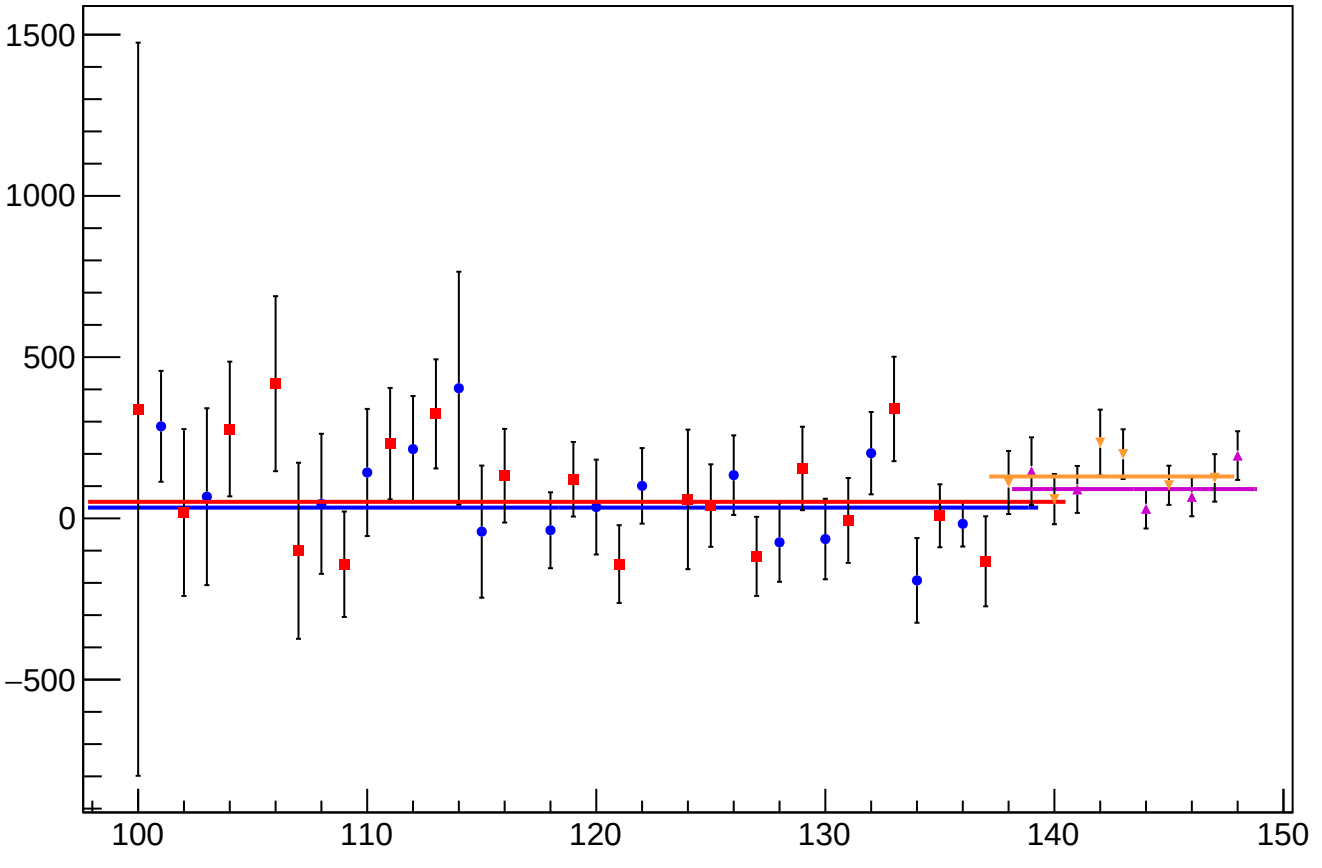
Left: 0.000+/-0.000 χ^2/NDF: 1426646.2/10

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7448493.7/20

Out: 0.000+/-0.000 χ^2/NDF:6469479.0/24

All: 0.000+/-0.000 χ^2/NDF: 14034647.5/45



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.919+/-31.795 χ^2/NDF:2.9/5

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 90.880+/-31.652 χ^2/NDF:3.3/4

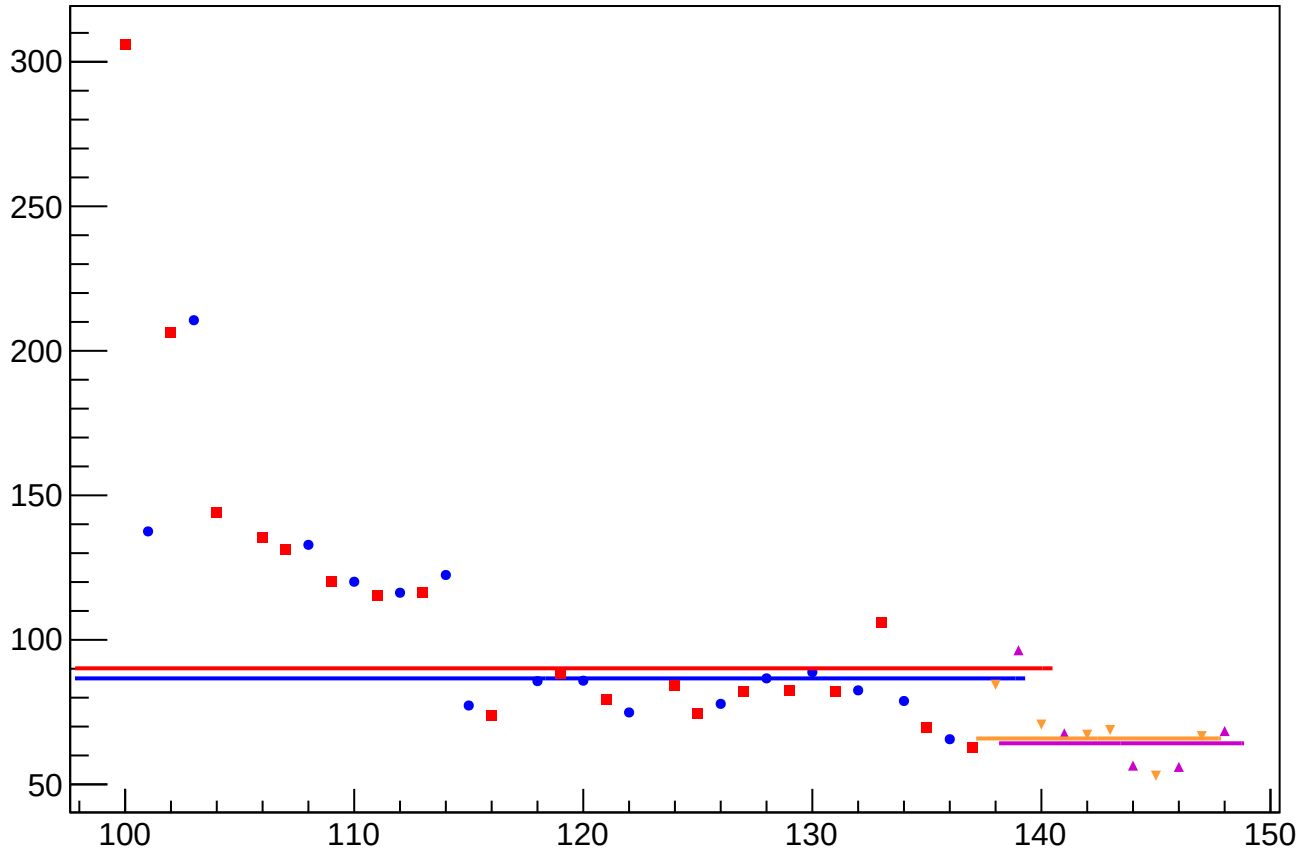
Left: 110.311+/-22.432 χ^2/NDF: 7.0/10

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 64.107+/-23.129 χ^2/NDF:17.7/20

Out: 94.223+/-23.489 χ^2/NDF:25.3/24

All: 78.933+/-16.480 χ^2/NDF: 43.8/45



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

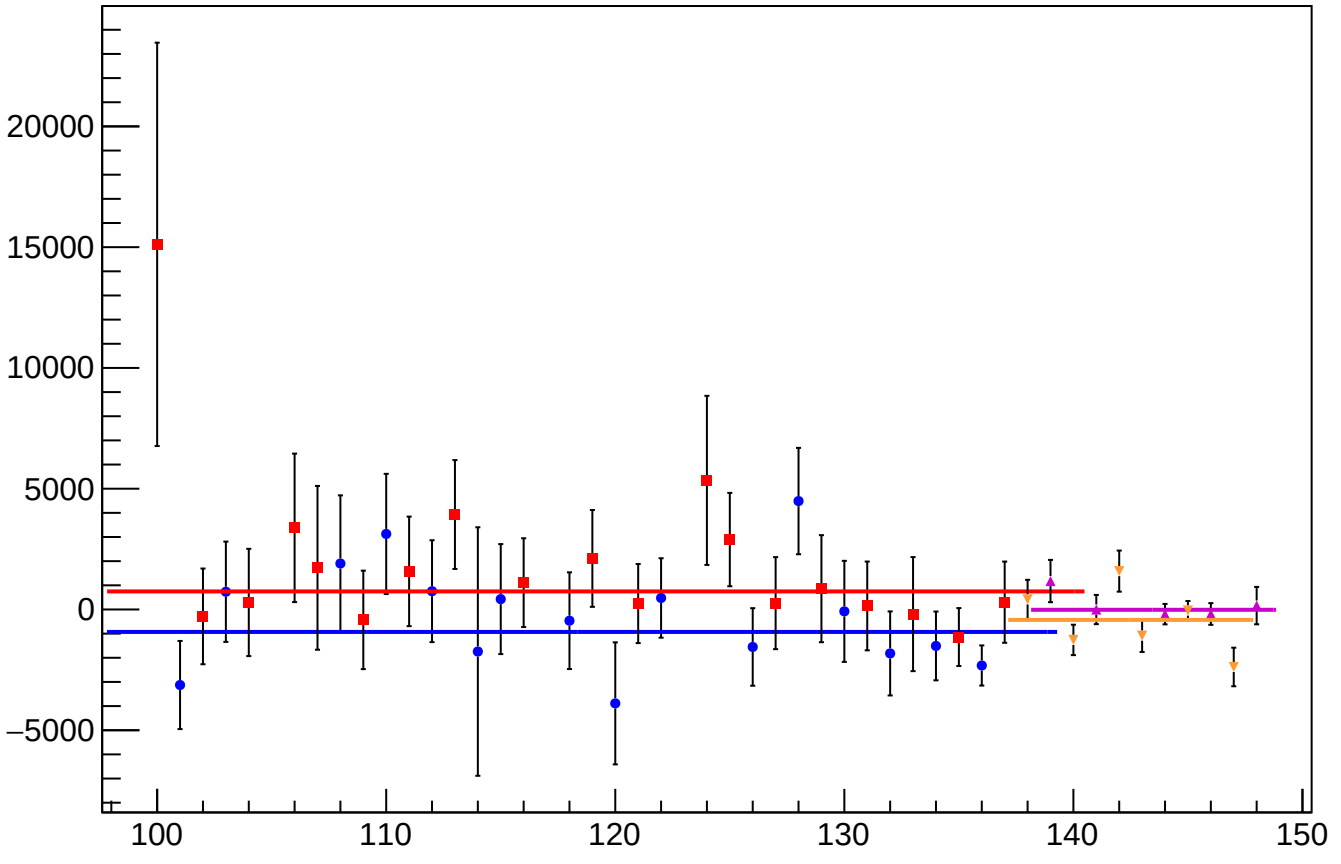
Left: 65.044+/-0.016 χ^2/NDF: 442863.2/10

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 74.677+/-0.016 χ^2/NDF:1775035.2/20

Out: 76.908+/-0.017 χ^2/NDF:1852200.0/24

All: 75.775+/-0.012 χ^2/NDF: 3636395.1/45



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -431.844+/-253.152 χ^2/NDF:16.3/5

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -13.252+/-247.998 χ^2/NDF:2.2/4

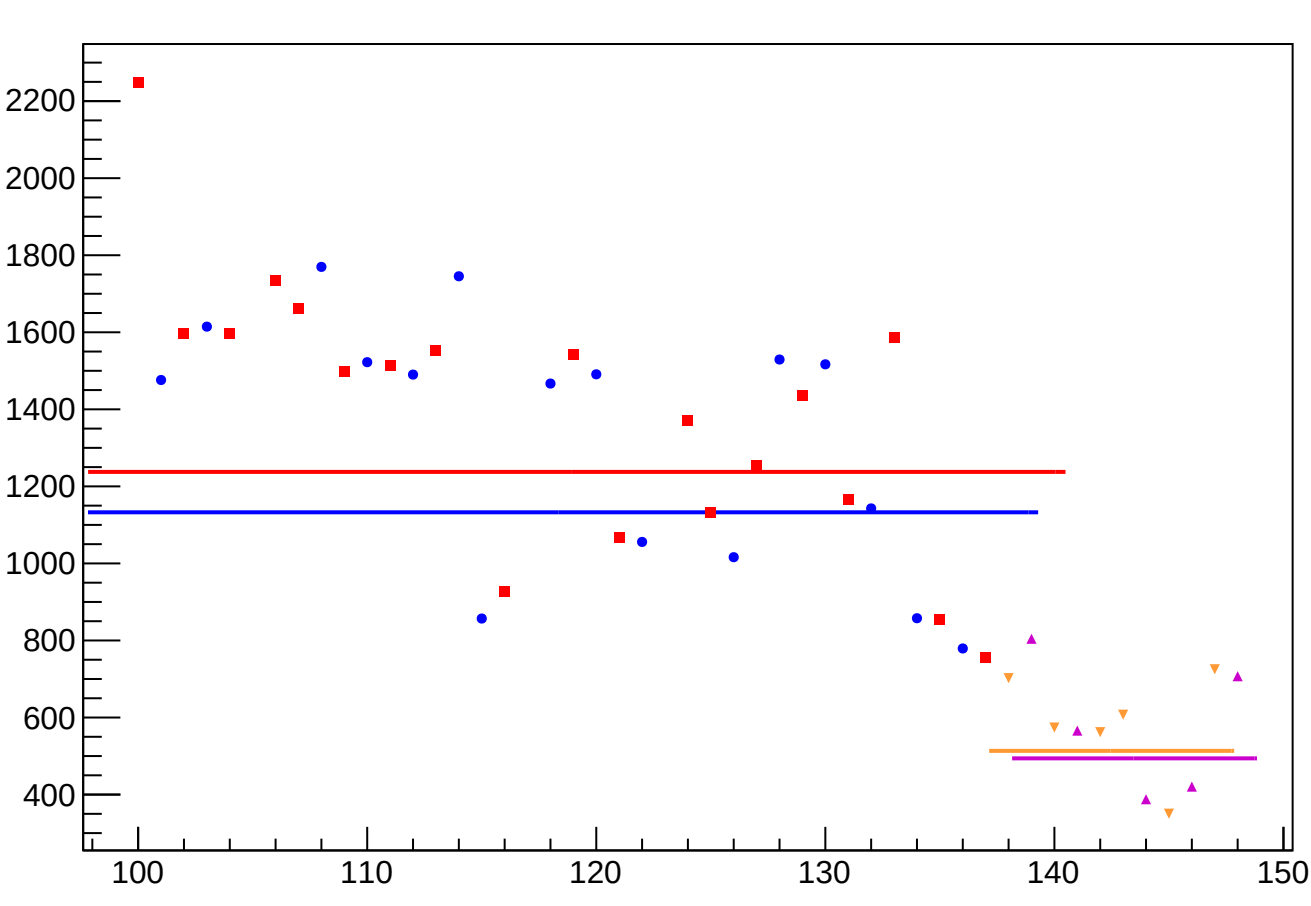
Left: -218.243+/-177.155 χ^2/NDF: 19.9/10

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -233.549+/-216.150 χ^2/NDF:24.0/20

Out: -164.865+/-222.653 χ^2/NDF:34.2/24

All: -200.225+/-155.089 χ^2/NDF: 58.3/45



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 513.427+/-0.179 χ^2/NDF:654319.2/5

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 493.988+/-0.175 χ^2/NDF:610843.0/4

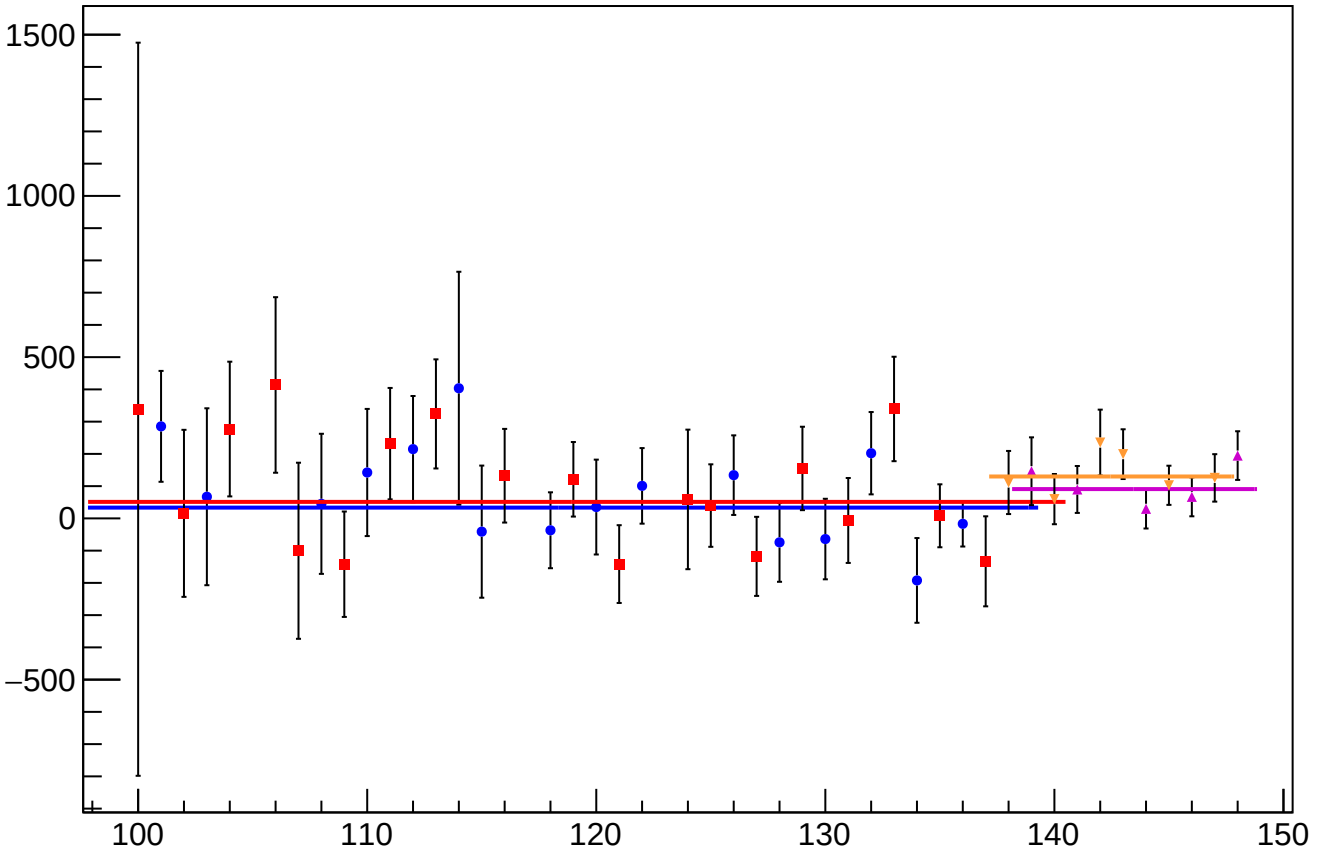
Left: 503.508+/-0.125 χ^2/NDF: 1271180.2/10

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 647.499+/-0.153 χ^2/NDF:4923383.7/20

Out: 677.405+/-0.157 χ^2/NDF:5255491.1/24

All: 662.009+/-0.110 χ^2/NDF: 10197449.8/45



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.923+/-31.795 χ^2/NDF:2.9/5

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 90.879+/-31.652 χ^2/NDF:3.3/4

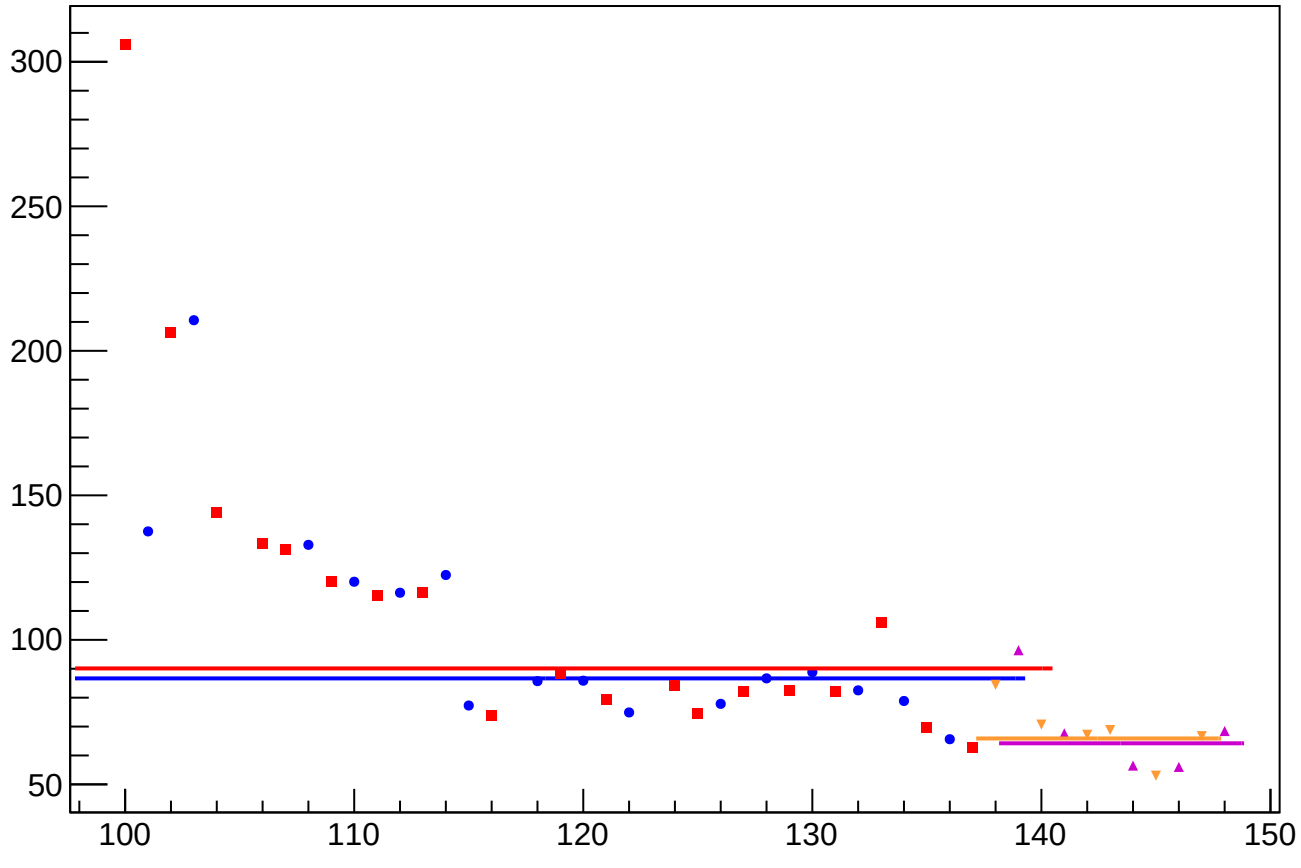
Left: 110.313+/-22.432 χ^2/NDF: 7.0/10

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 64.103+/-23.129 χ^2/NDF:17.7/20

Out: 94.161+/-23.489 χ^2/NDF:25.2/24

All: 78.899+/-16.481 χ^2/NDF: 43.7/45



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

Left: 65.044+/-0.016 χ^2/NDF: 442863.2/10

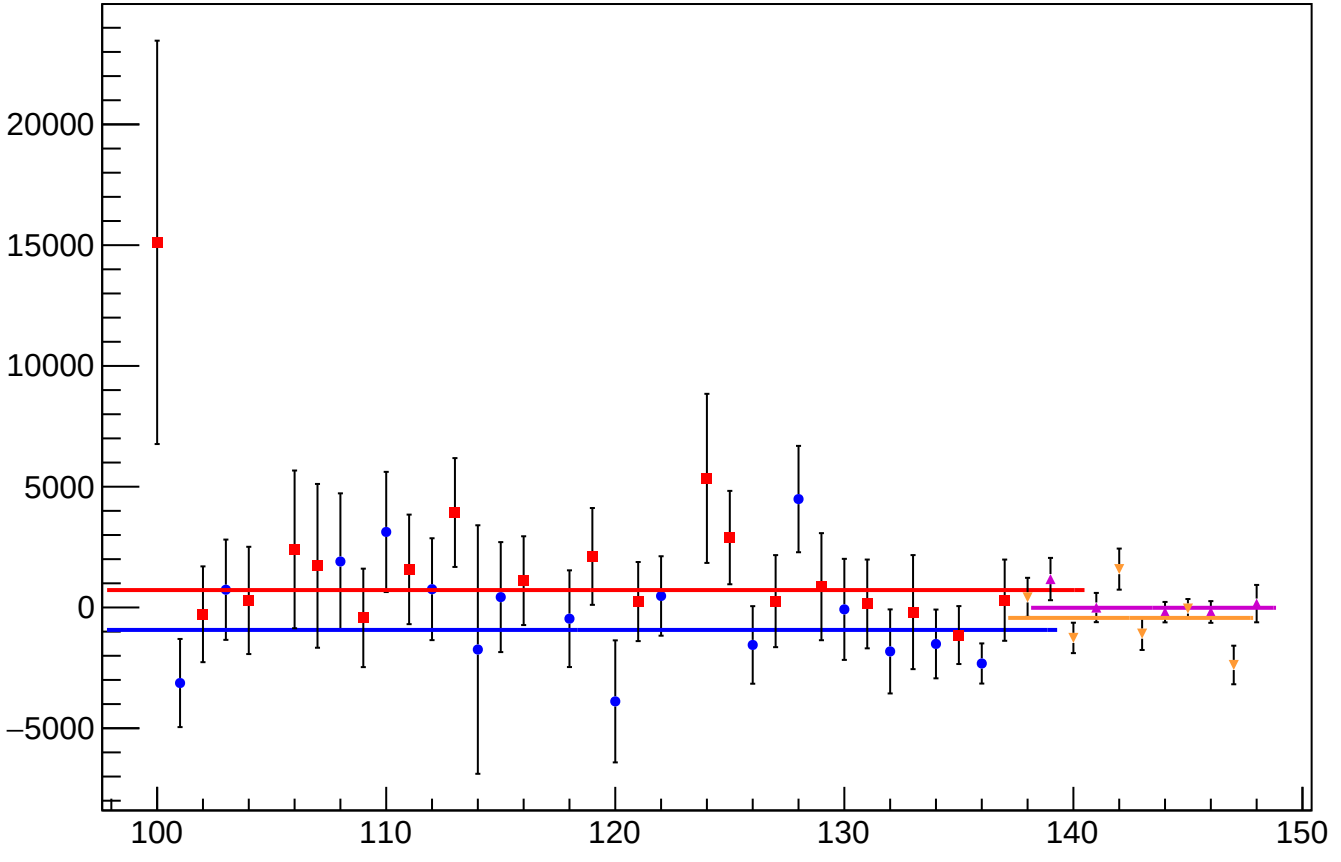
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 74.677+/-0.016 χ^2/NDF:1775037.9/20

Out: 76.890+/-0.017 χ^2/NDF:1845854.8/24

All: 75.766+/-0.012 χ^2/NDF: 3629908.6/45

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -431.837+/-253.152 χ^2/NDF:16.3/5

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -13.247+/-247.998 χ^2/NDF:2.2/4

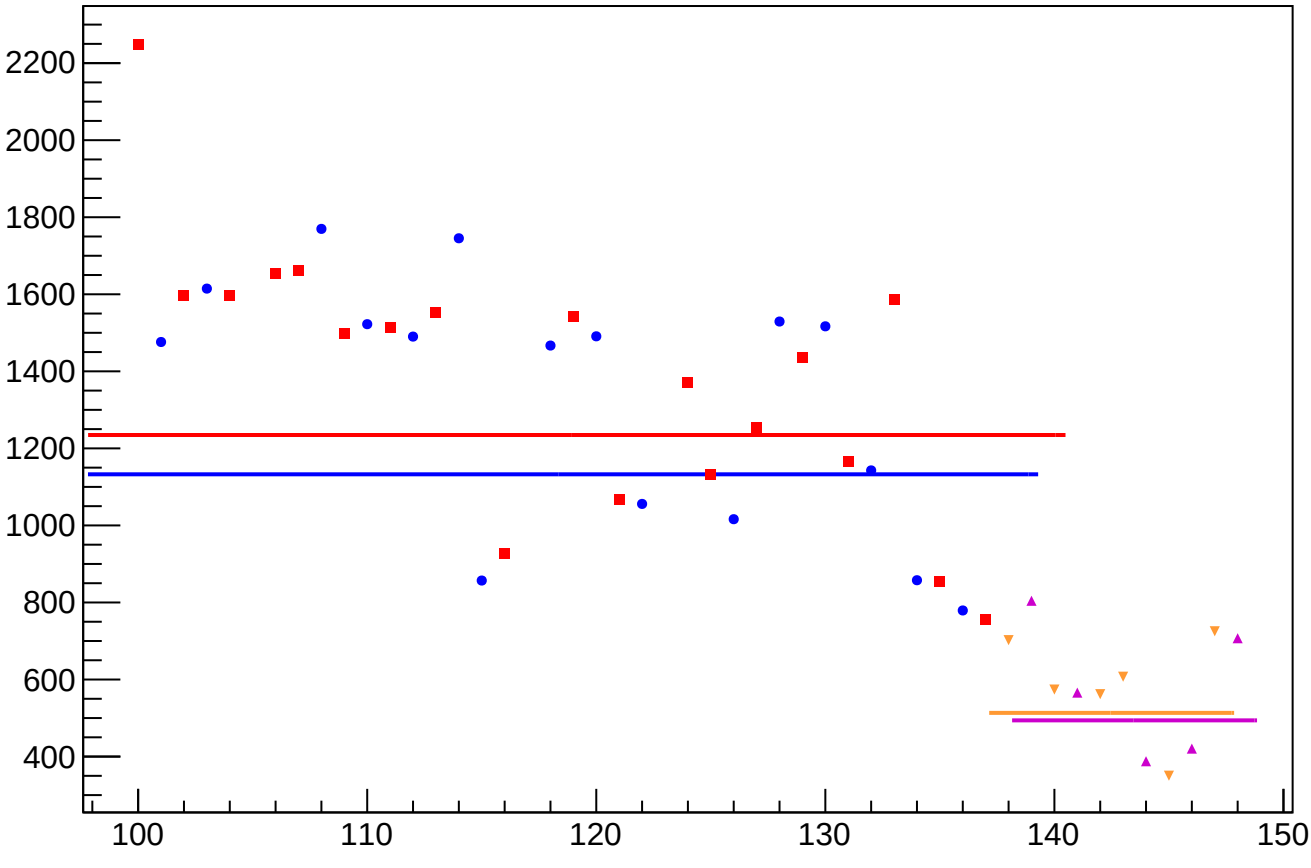
Left: -218.237+/-177.155 χ^2/NDF: 19.9/10

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -233.536+/-216.150 χ^2/NDF:24.0/20

Out: -171.431+/-222.722 χ^2/NDF:33.5/24

All: -203.414+/-155.113 χ^2/NDF: 57.6/45



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 513.427+/-0.179 χ^2/NDF:654320.3/5

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

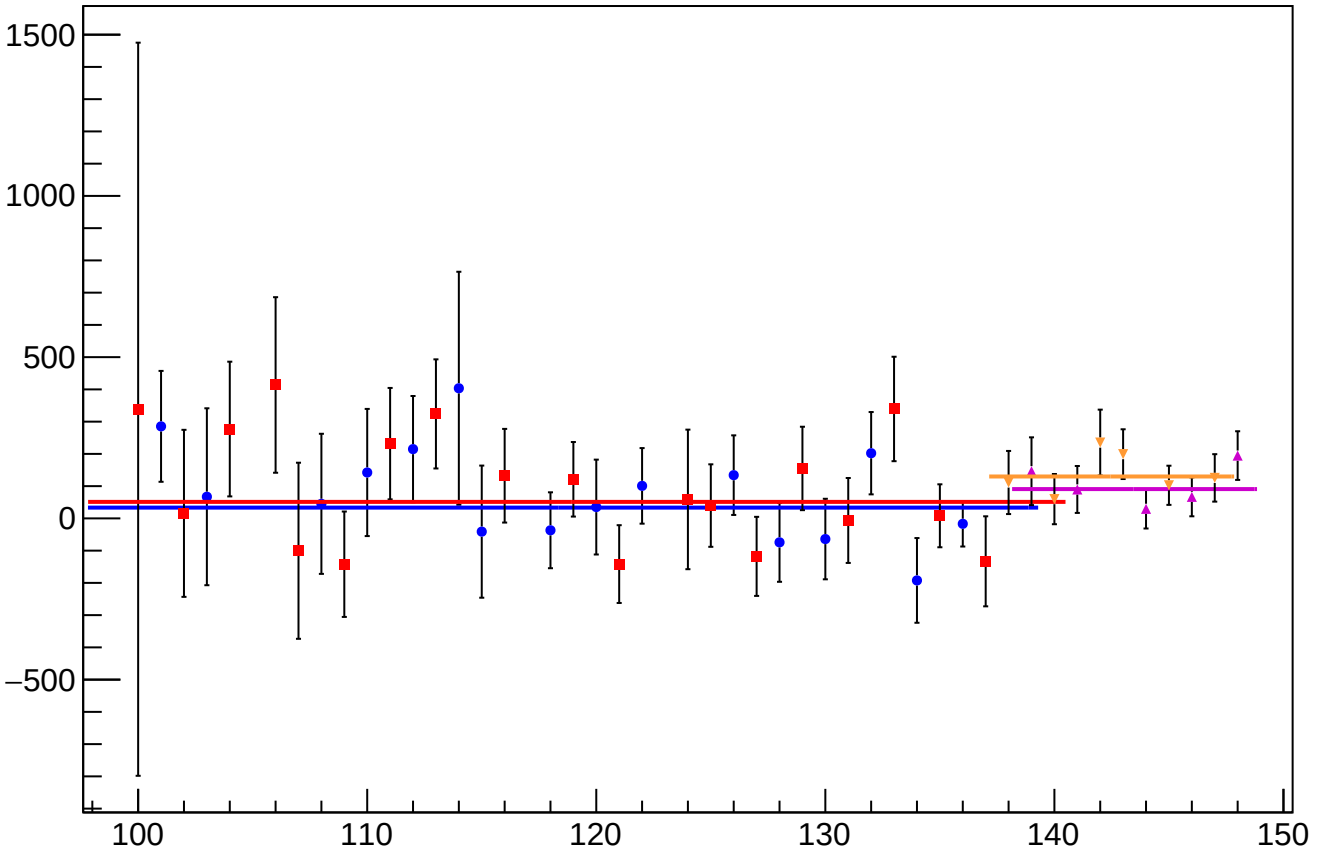
Left: 503.507+/-0.125 χ^2/NDF: 1271181.4/10

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 647.499+/-0.153 χ^2/NDF:4923420.3/20

Out: 676.408+/-0.157 χ^2/NDF:5199274.1/24

All: 661.521+/-0.110 χ^2/NDF: 10140046.7/45



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.923+/-31.795 χ^2/NDF:2.9/5

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 90.879+/-31.652 χ^2/NDF:3.3/4

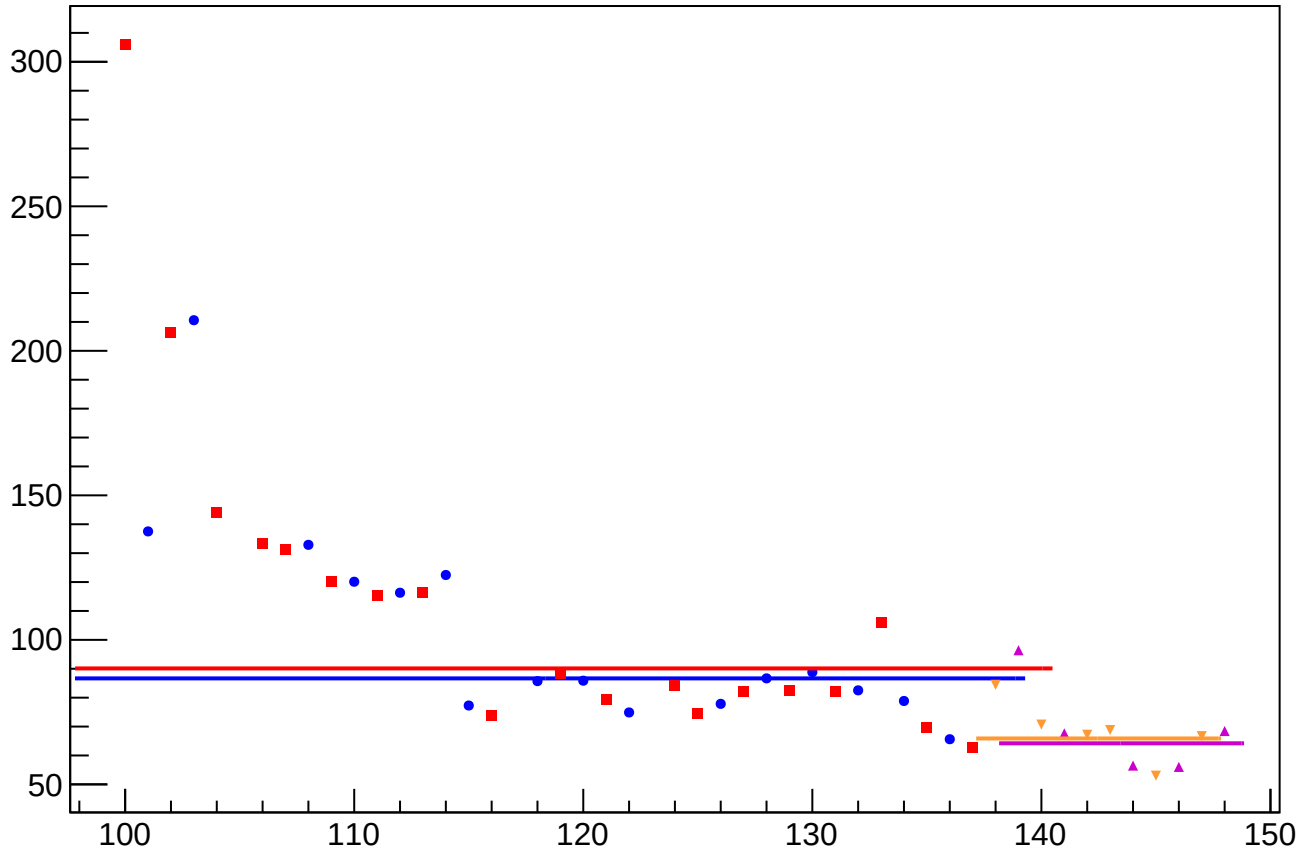
Left: 110.313+/-22.432 χ^2/NDF: 7.0/10

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 64.103+/-23.129 χ^2/NDF:17.7/20

Out: 94.161+/-23.489 χ^2/NDF:25.2/24

All: 78.899+/-16.481 χ^2/NDF: 43.7/45



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

Left: 65.044+/-0.016 χ^2/NDF: 442863.2/10

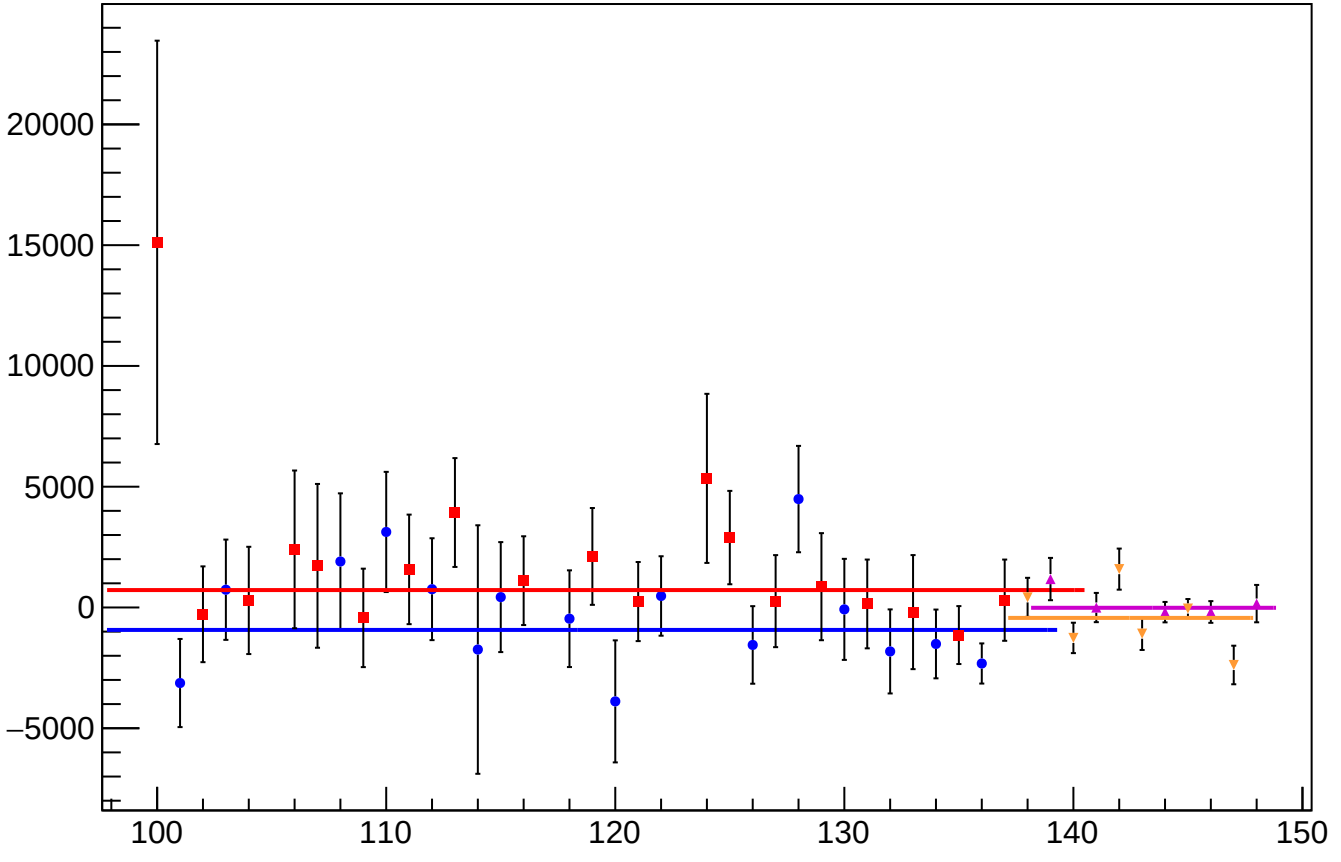
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 74.677+/-0.016 χ^2/NDF:1775037.9/20

Out: 76.890+/-0.017 χ^2/NDF:1845854.8/24

All: 75.766+/-0.012 χ^2/NDF: 3629908.6/45

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -431.837+/-253.152 χ^2/NDF:16.3/5

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -13.247+/-247.998 χ^2/NDF:2.2/4

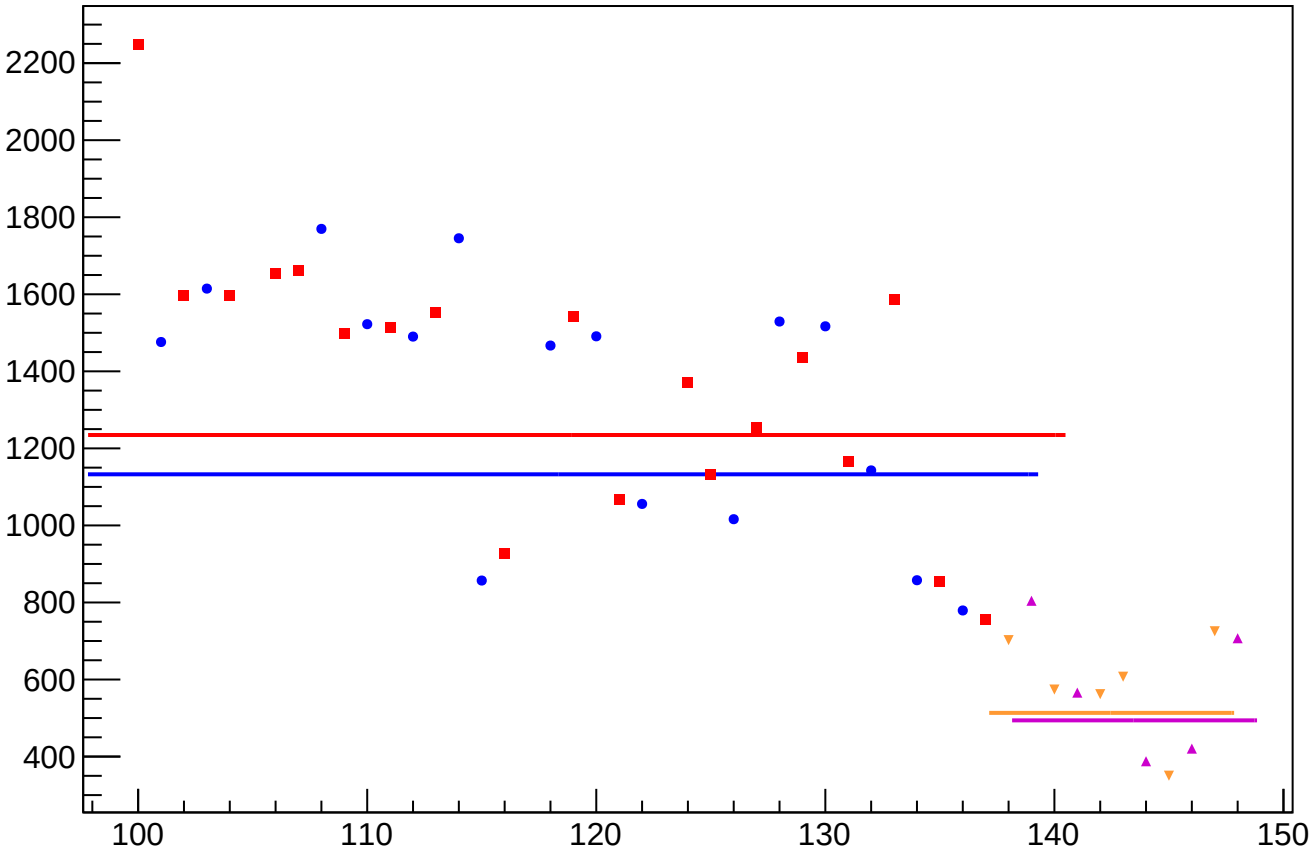
Left: -218.237+/-177.155 χ^2/NDF: 19.9/10

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -233.536+/-216.150 χ^2/NDF:24.0/20

Out: -171.431+/-222.722 χ^2/NDF:33.5/24

All: -203.414+/-155.113 χ^2/NDF: 57.6/45



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 513.427+/-0.179 χ^2/NDF:654320.3/5

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

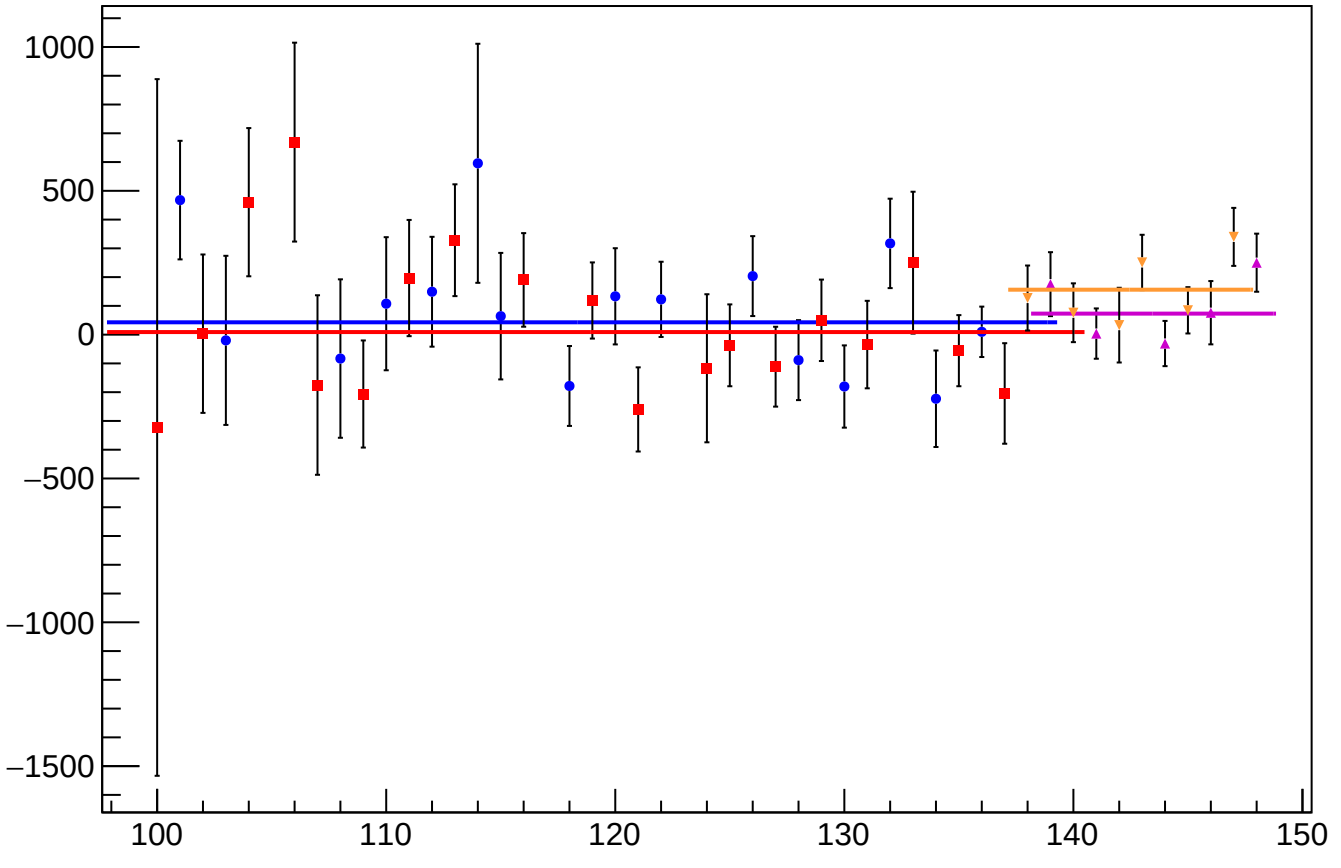
Left: 503.507+/-0.125 χ^2/NDF: 1271181.4/10

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 647.499+/-0.153 χ^2/NDF:4923420.3/20

Out: 676.408+/-0.157 χ^2/NDF:5199274.1/24

All: 661.521+/-0.110 χ^2/NDF: 10140046.7/45



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 156.280+/-41.024 χ^2/NDF:6.7/5

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 73.114+/-42.478 χ^2/NDF:6.3/4

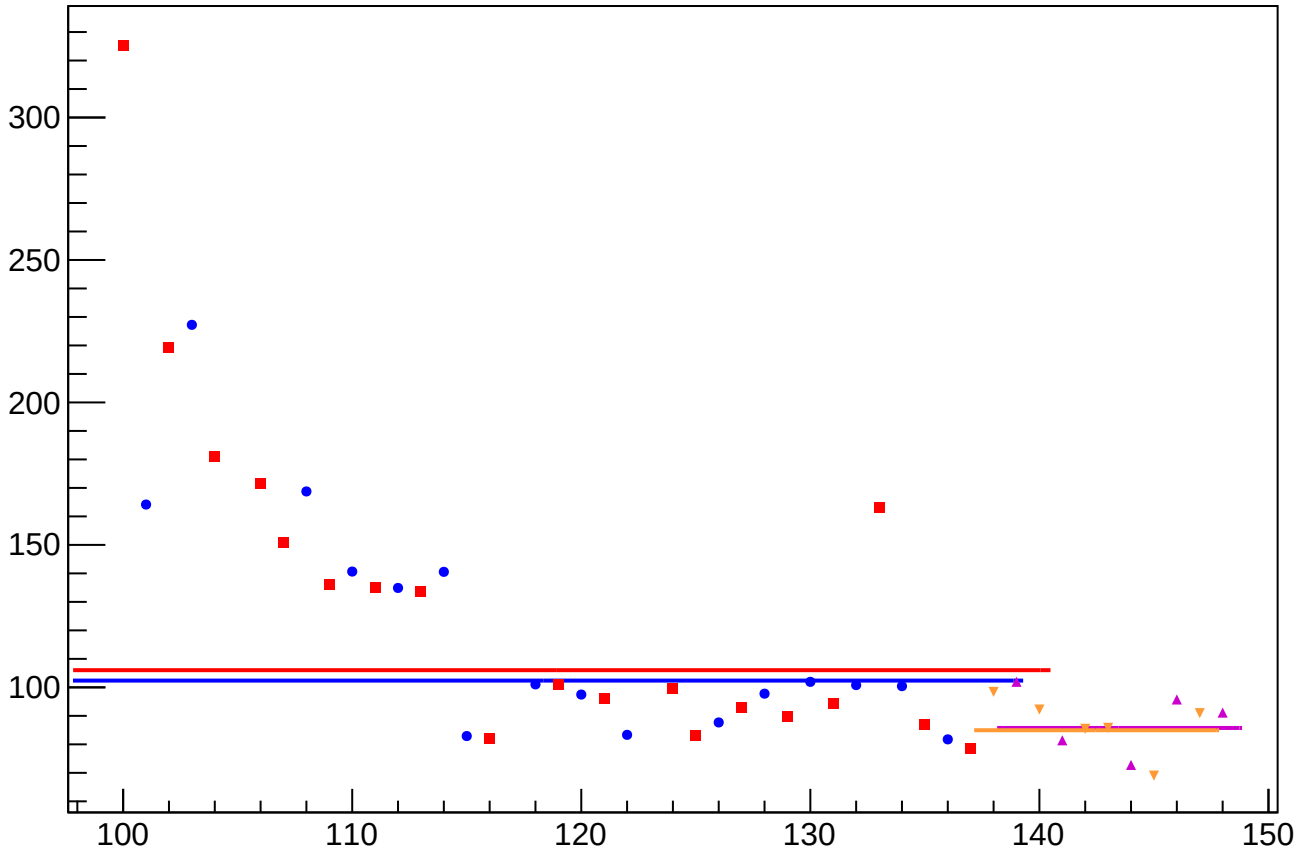
Left: 116.145+/-29.509 χ^2/NDF: 14.9/10

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 57.088+/-29.101 χ^2/NDF:26.9/20

Out: 82.699+/-29.021 χ^2/NDF:34.4/24

All: 69.929+/-20.549 χ^2/NDF: 61.7/45



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.953+/-0.029 χ^2/NDF:124084.4/5

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.753+/-0.030 χ^2/NDF:124061.3/4

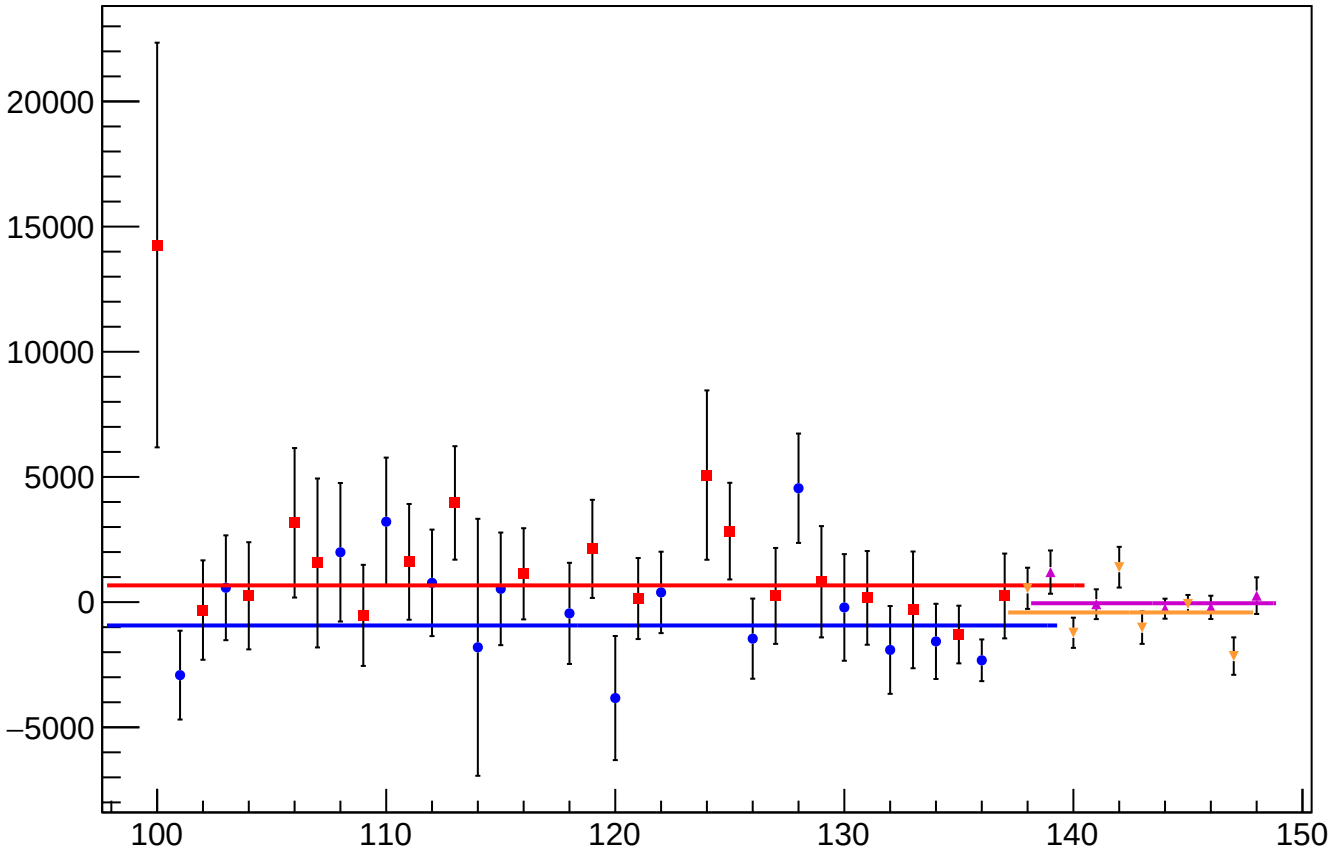
Left: 85.339+/-0.021 χ^2/NDF: 248512.9/10

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 94.576+/-0.021 χ^2/NDF:1268943.2/20

Out: 95.484+/-0.021 χ^2/NDF:1579167.9/24

All: 95.031+/-0.015 χ^2/NDF: 2849086.8/45



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -412.893+/-237.918 χ^2/NDF:15.3/5

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -44.597+/-243.274 χ^2/NDF:2.7/4

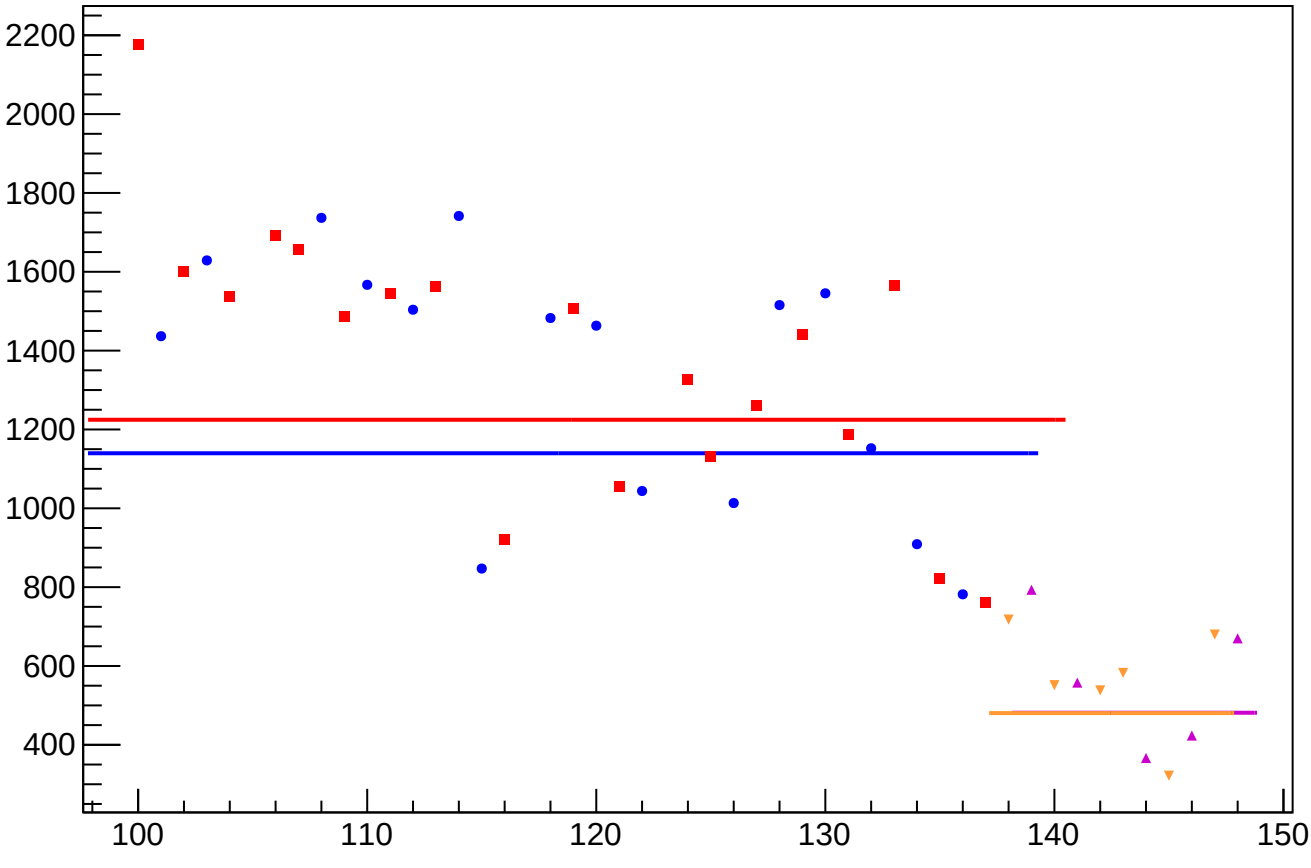
Left: -232.844+/-170.096 χ^2/NDF: 19.2/10

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -250.489+/-213.206 χ^2/NDF:24.2/20

Out: -187.155+/-211.635 χ^2/NDF:33.1/24

All: -218.588+/-150.201 χ^2/NDF: 57.4/45



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 480.512+/-0.168 χ^2/NDF:786587.4/5

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 481.402+/-0.172 χ^2/NDF:622288.0/4

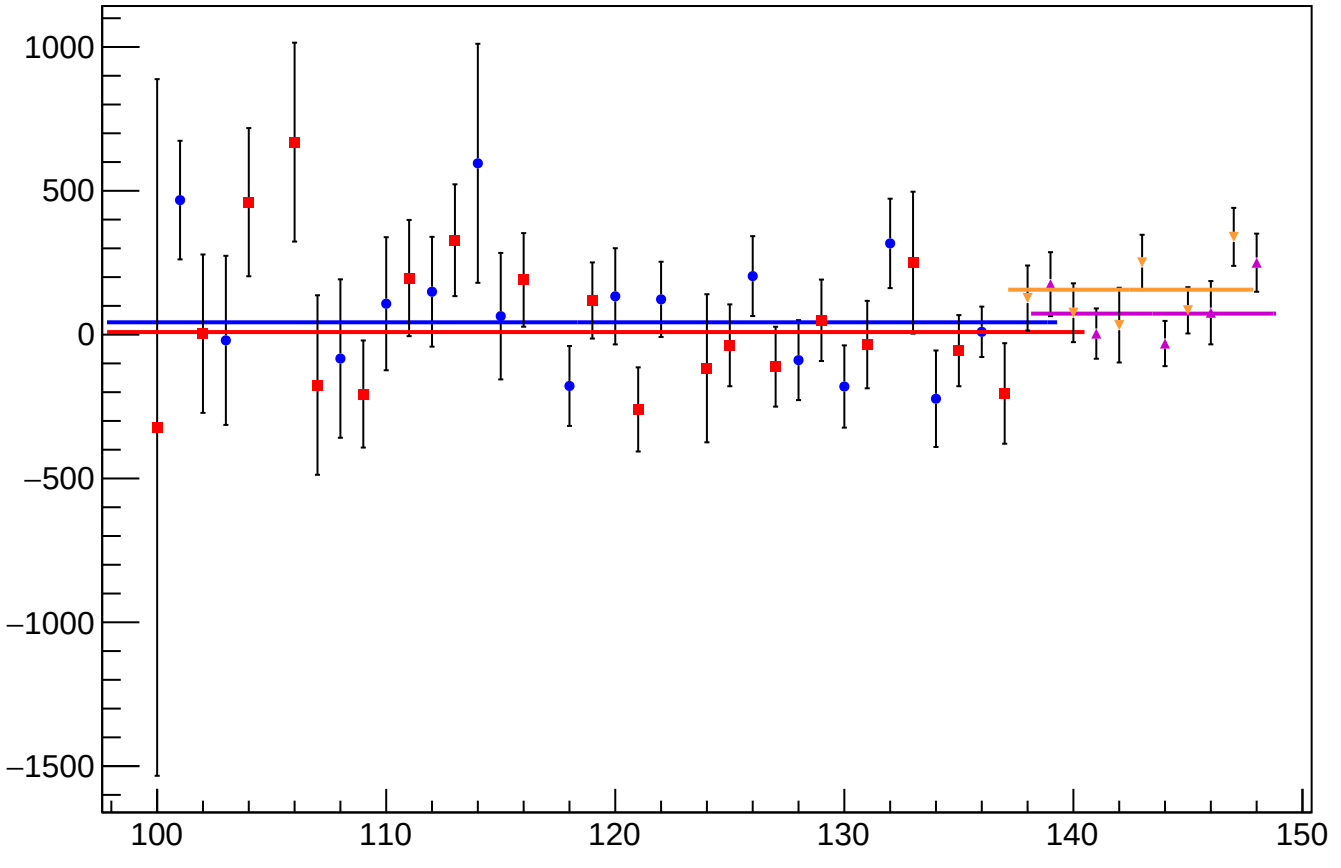
Left: 480.948+/-0.120 χ^2/NDF: 1408889.1/10

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 634.063+/-0.151 χ^2/NDF:5111636.0/20

Out: 635.843+/-0.150 χ^2/NDF:5792900.1/24

All: 634.960+/-0.106 χ^2/NDF: 10904606.4/45



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 156.279+/-41.024 χ^2/NDF:6.7/5

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 73.114+/-42.478 χ^2/NDF:6.3/4

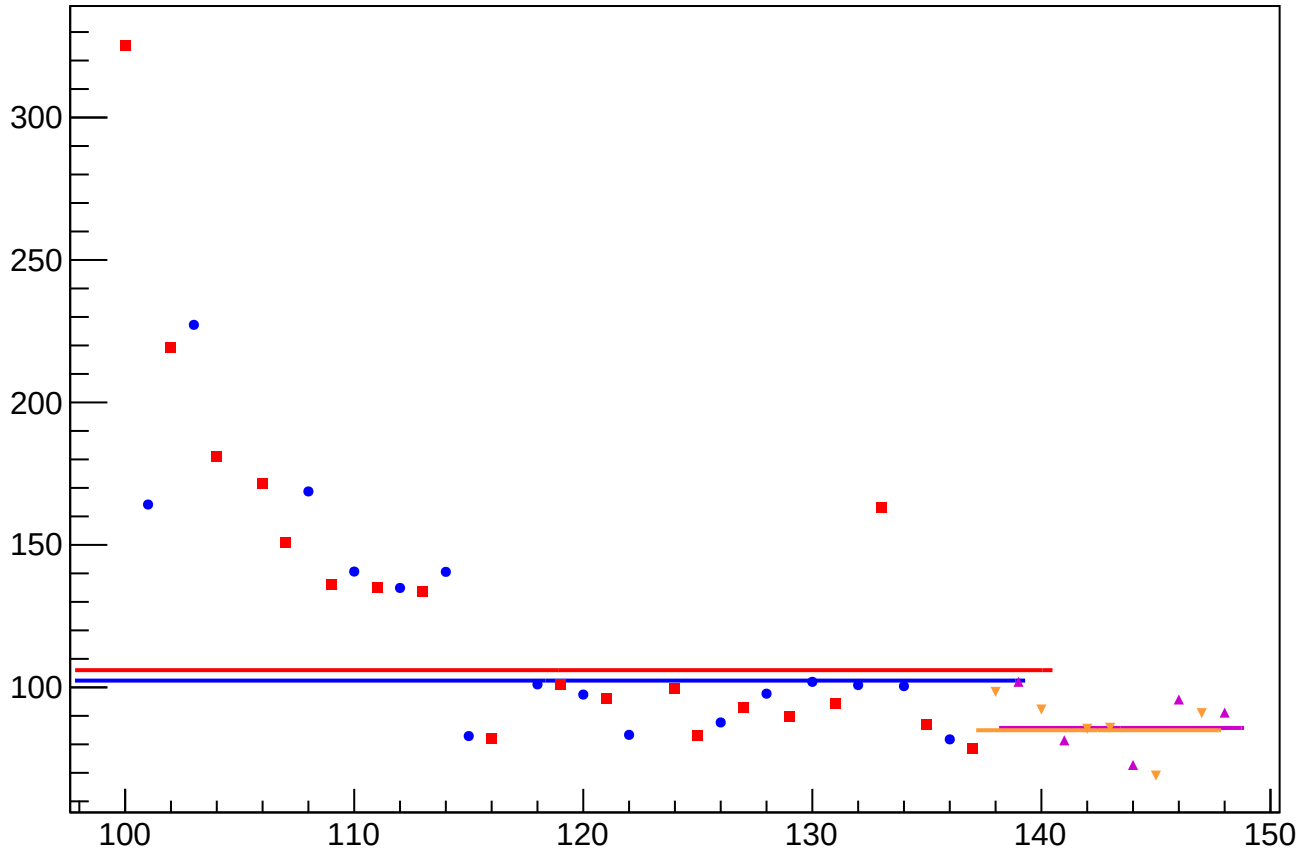
Left: 116.145+/-29.509 χ^2/NDF: 14.9/10

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 57.088+/-29.101 χ^2/NDF:26.9/20

Out: 82.697+/-29.021 χ^2/NDF:34.4/24

All: 69.928+/-20.549 χ^2/NDF: 61.7/45



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.954+/-0.029 χ^2/NDF:124074.6/5

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.754+/-0.030 χ^2/NDF:124058.7/4

Left: 85.340+/-0.021 χ^2/NDF: 248500.5/10

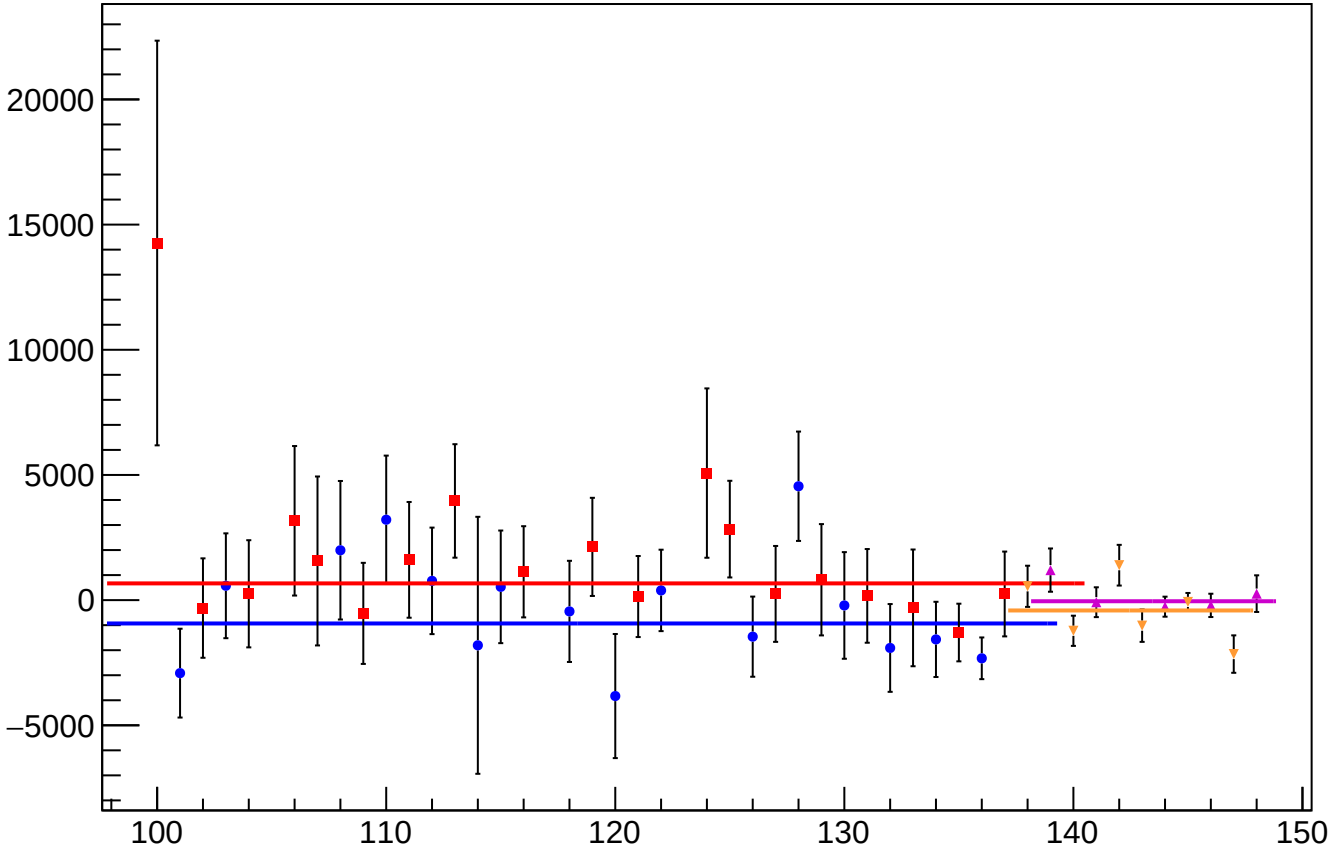
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 94.576+/-0.021 χ^2/NDF:1268923.0/20

Out: 95.484+/-0.021 χ^2/NDF:1579145.5/24

All: 95.031+/-0.015 χ^2/NDF: 2849044.4/45

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: -412.894+/-237.918 χ^2/NDF:15.3/5

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -44.598+/-243.274 χ^2/NDF:2.7/4

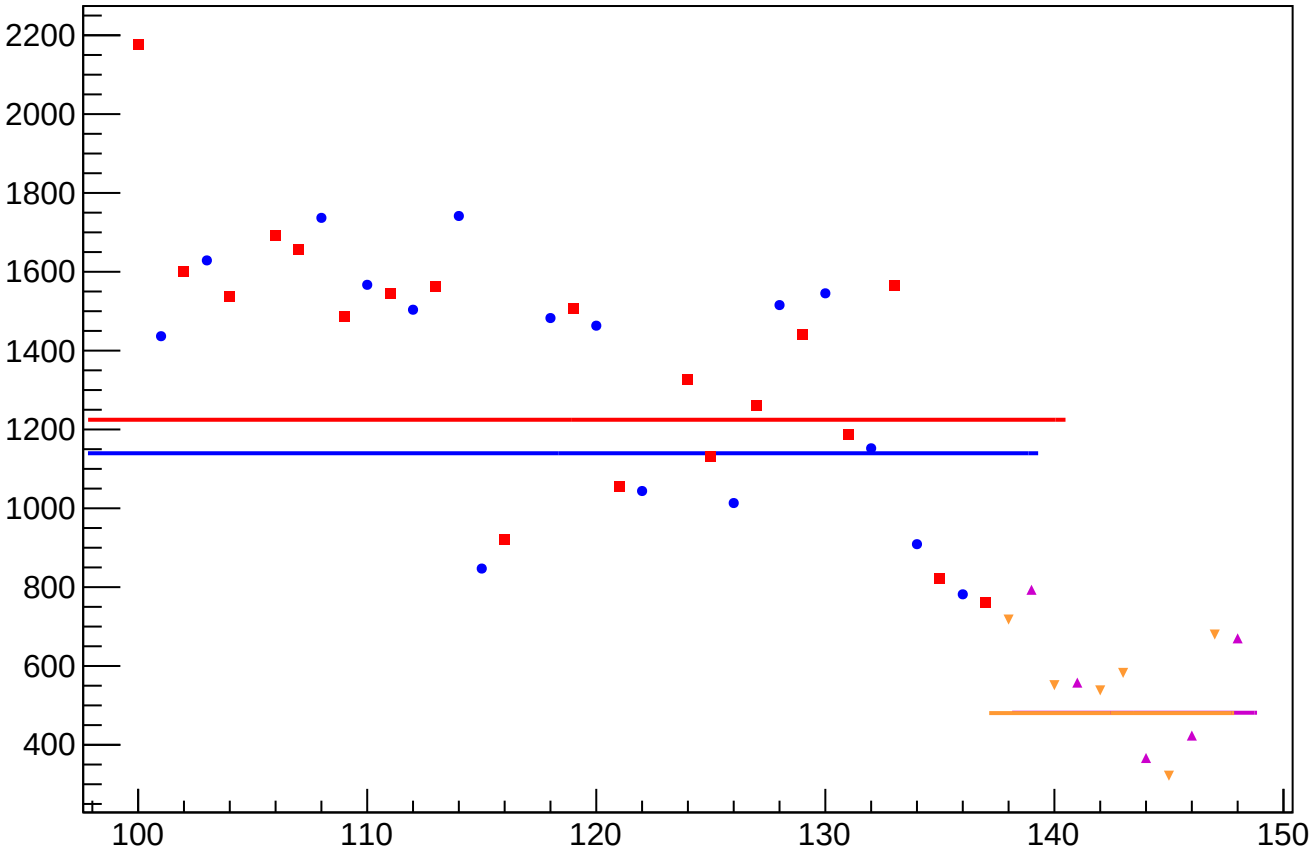
Left: -232.845+/-170.095 χ^2/NDF: 19.2/10

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -250.489+/-213.206 χ^2/NDF:24.2/20

Out: -187.156+/-211.634 χ^2/NDF:33.1/24

All: -218.588+/-150.201 χ^2/NDF: 57.4/45



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 480.511+/-0.168 χ^2/NDF:786597.2/5

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 481.402+/-0.172 χ^2/NDF:622289.9/4

Left: 480.946+/-0.120 χ^2/NDF: 1408900.8/10

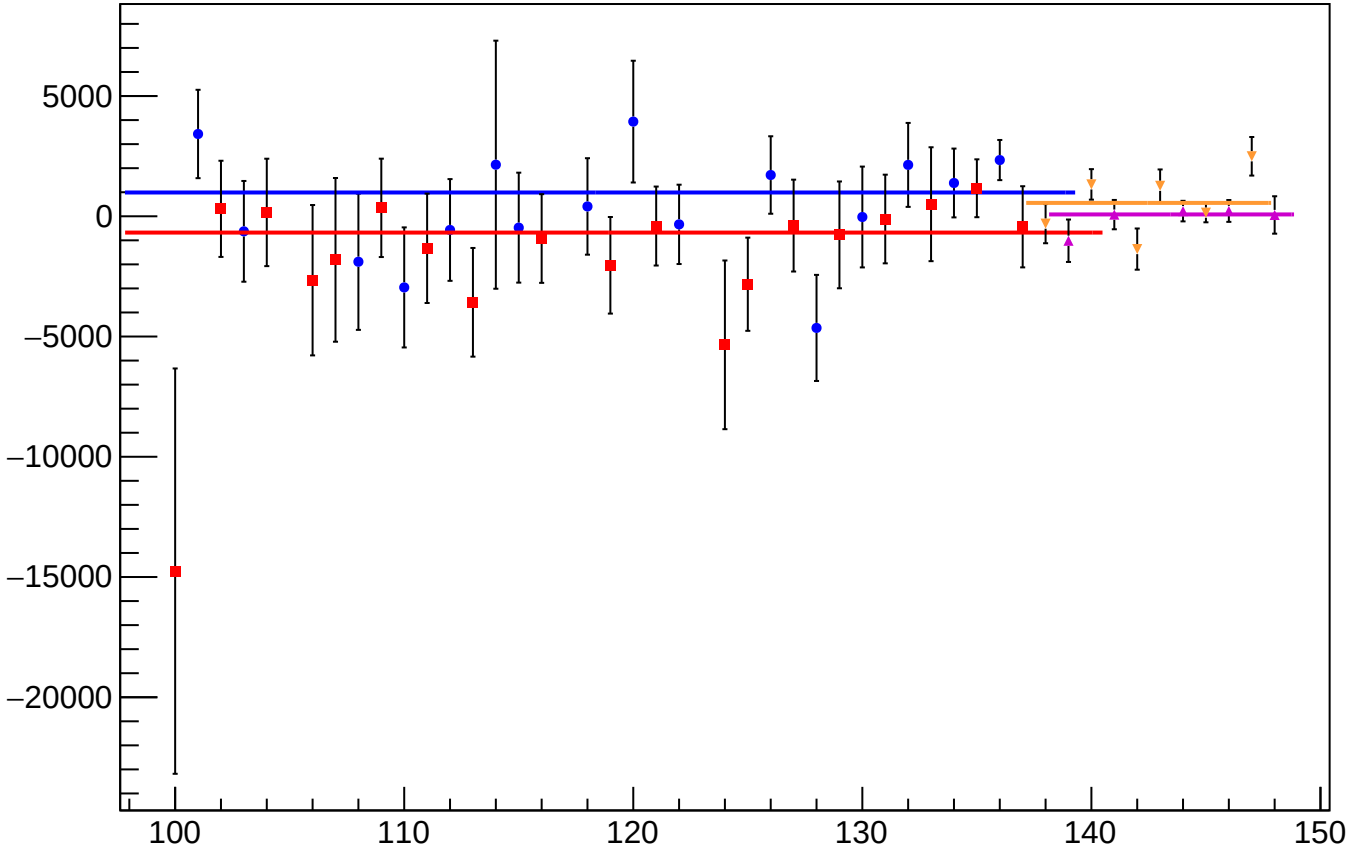
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 634.062+/-0.151 χ^2/NDF:5111631.4/20

Out: 635.842+/-0.150 χ^2/NDF:5792913.4/24

All: 634.958+/-0.106 χ^2/NDF: 10904615.0/45

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 556.129+/-255.499 χ^2/NDF:15.6/5

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 76.881+/-250.396 χ^2/NDF:1.7/4

Left: 311.671+/-178.834 χ^2/NDF: 19.1/10

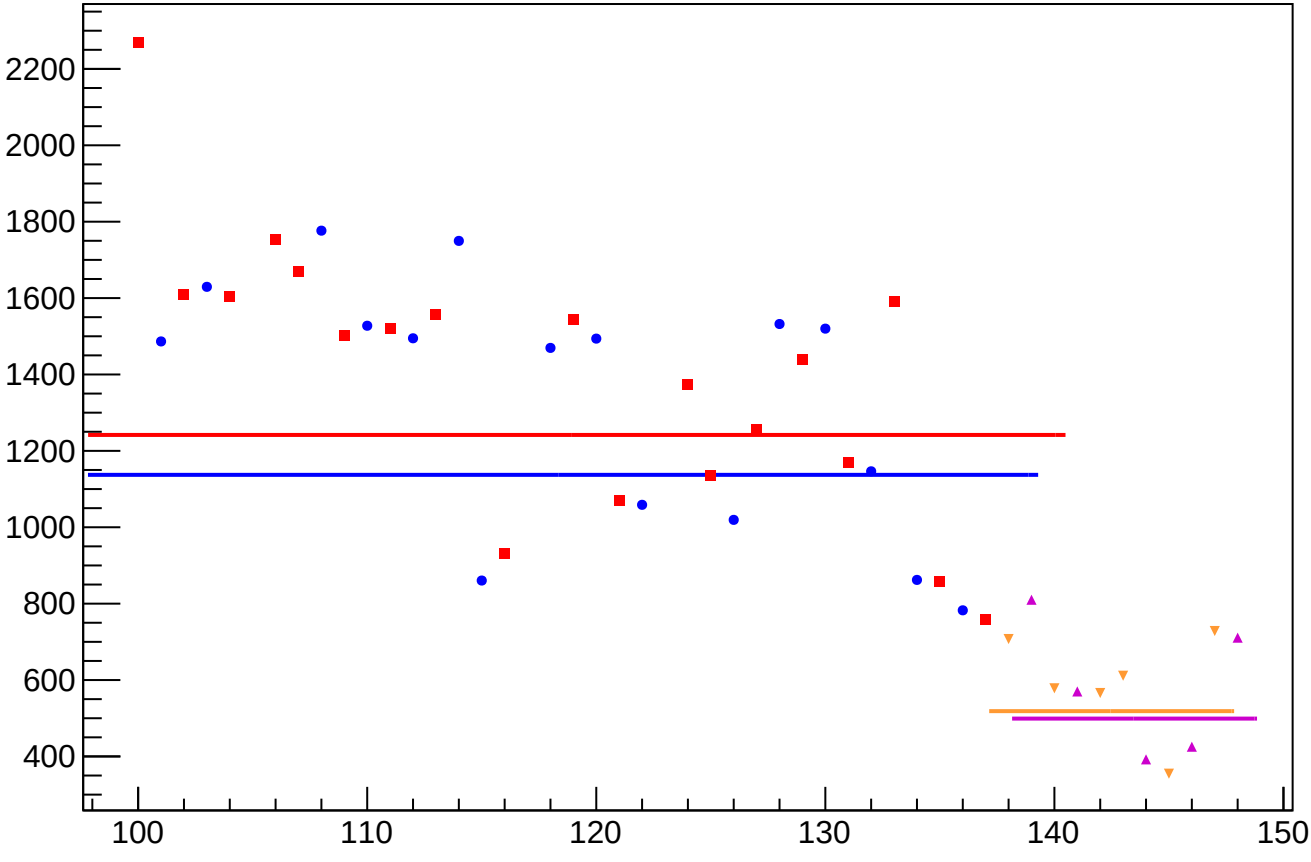
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 298.085+/-217.941 χ^2/NDF:24.0/20

Out: 274.377+/-224.437 χ^2/NDF:32.8/24

All: 286.579+/-156.354 χ^2/NDF: 56.8/45

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 518.578+/-0.181 χ^2/NDF:640582.0/5

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 499.071+/-0.177 χ^2/NDF:601749.1/4

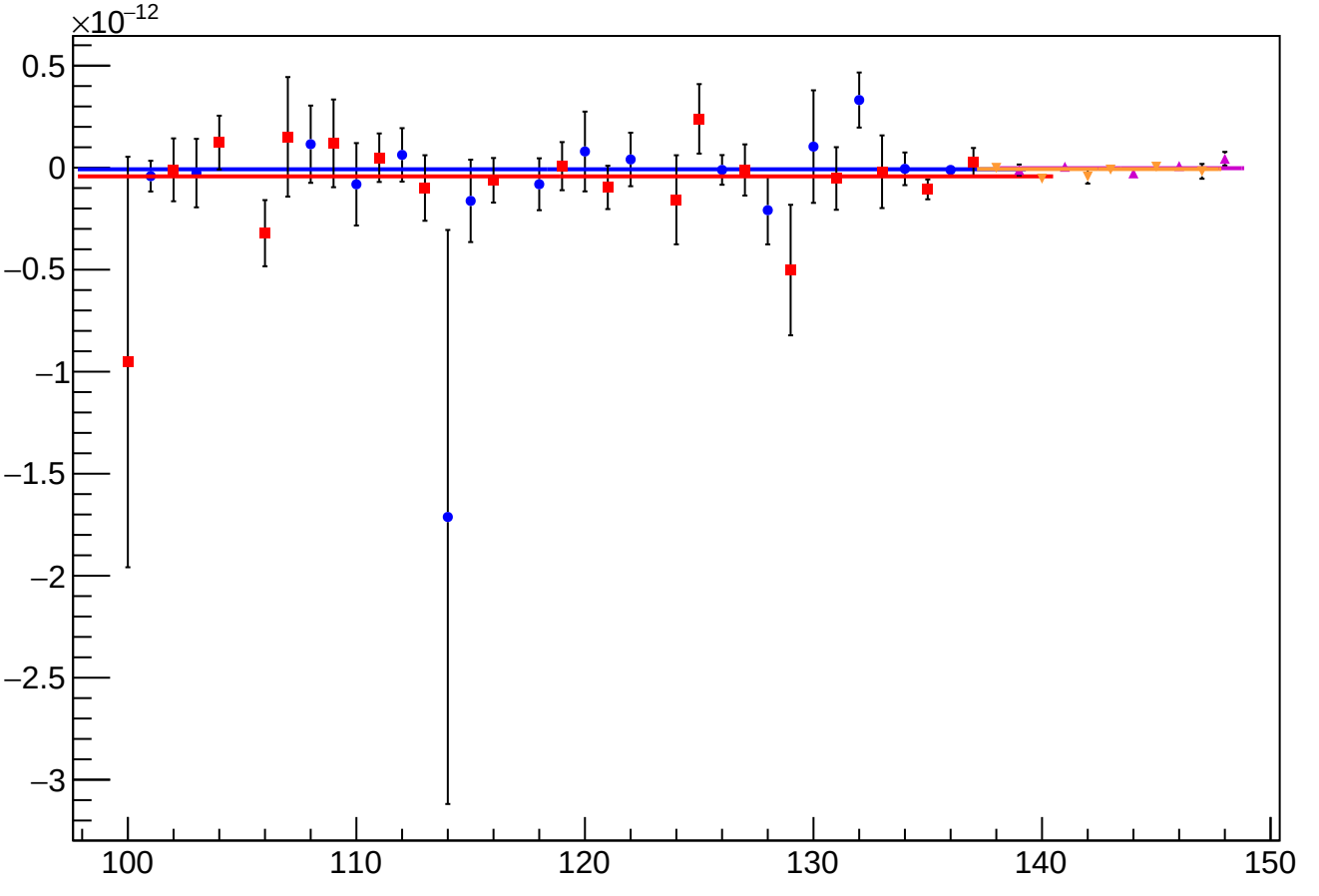
Left: 508.628+/-0.126 χ^2/NDF: 1248277.9/10

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 653.777+/-0.154 χ^2/NDF:4874681.6/20

Out: 683.719+/-0.159 χ^2/NDF:5198659.0/24

All: 668.308+/-0.111 χ^2/NDF: 10091660.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/4

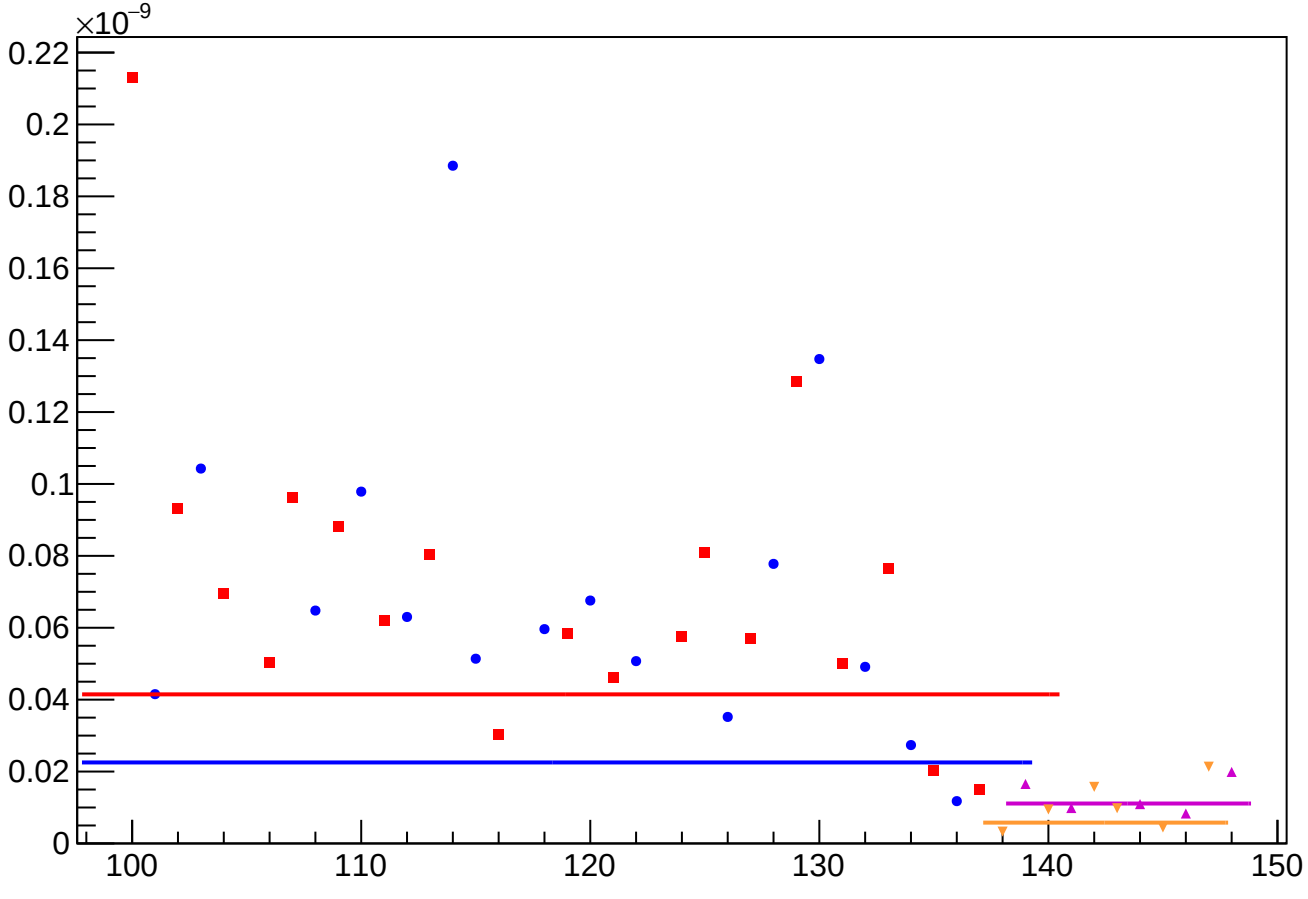
Left: -0.000+/-0.000 χ^2/NDF: 15.1/10

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:16.7/20

Out: -0.000+/-0.000 χ^2/NDF:27.3/24

All: -0.000+/-0.000 χ^2/NDF: 44.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:874491.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:290038.2/4

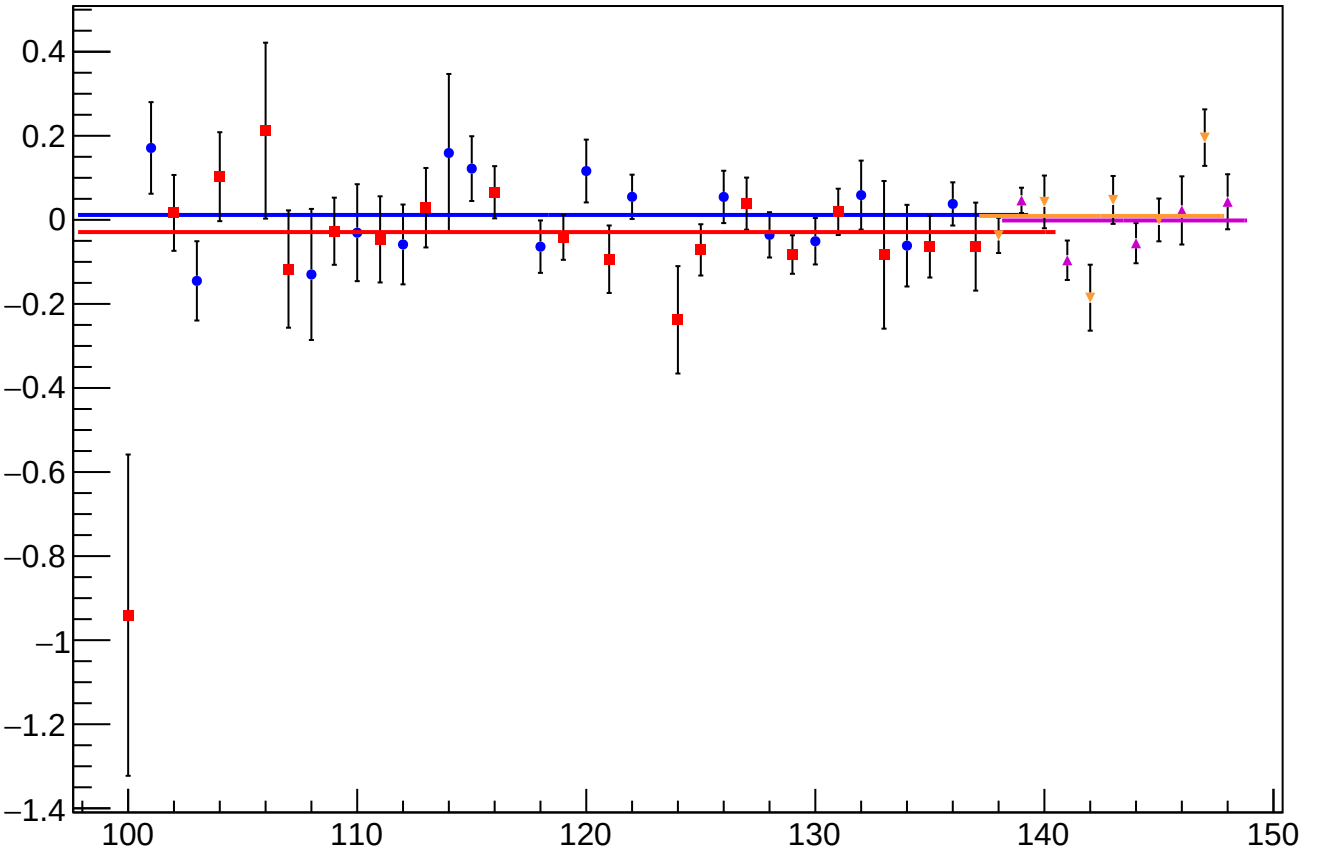
Left: 0.000+/-0.000 χ^2/NDF: 1662320.2/10

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3828258.5/20

Out: 0.000+/-0.000 χ^2/NDF:6043667.2/24

All: 0.000+/-0.000 χ^2/NDF: 10661295.6/45



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.020 χ^2/NDF:8.4/4

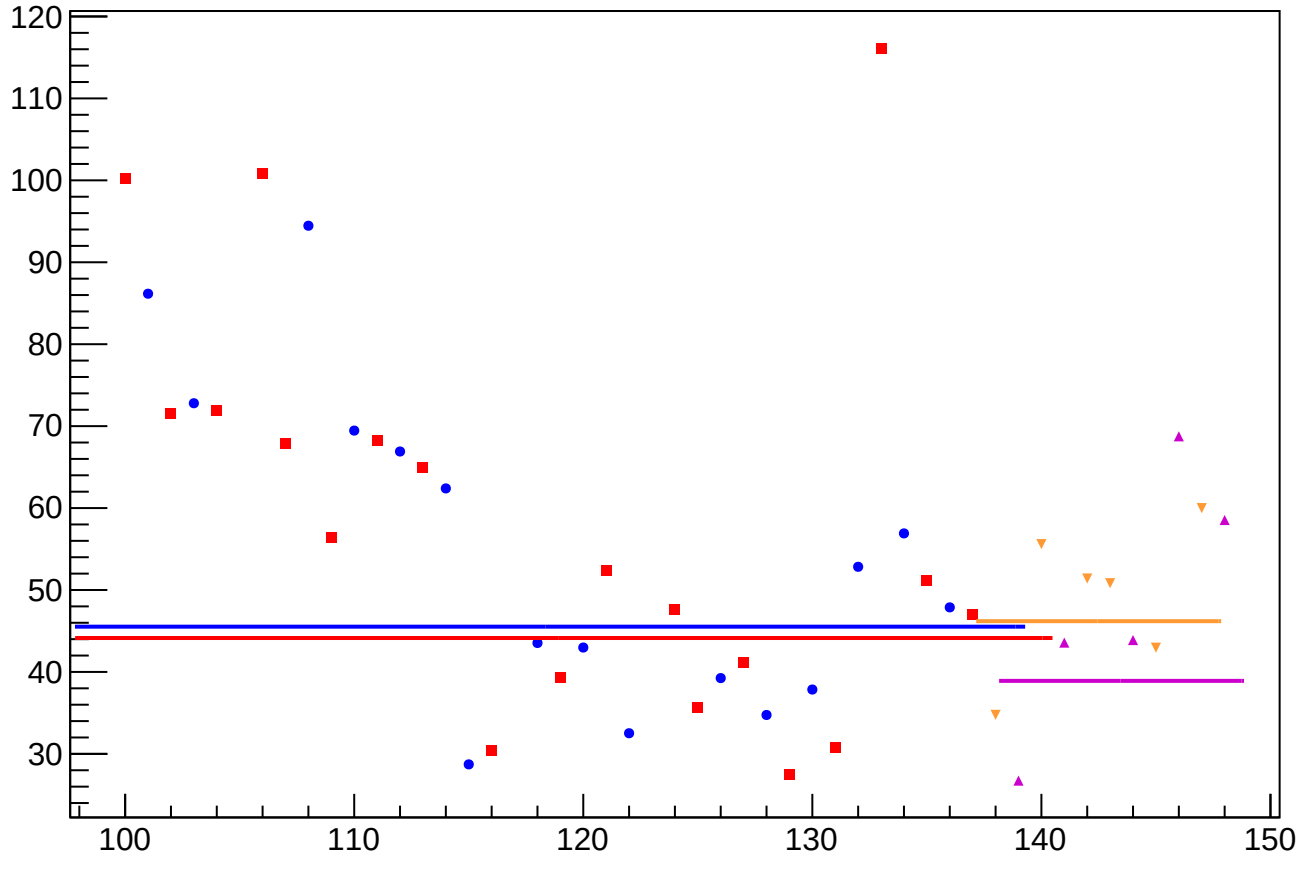
Left: 0.003+/-0.015 χ^2/NDF: 24.3/10

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.004+/-0.010 χ^2/NDF: 63.7/45



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 46.193+/-0.016 χ^2/NDF:307306.4/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

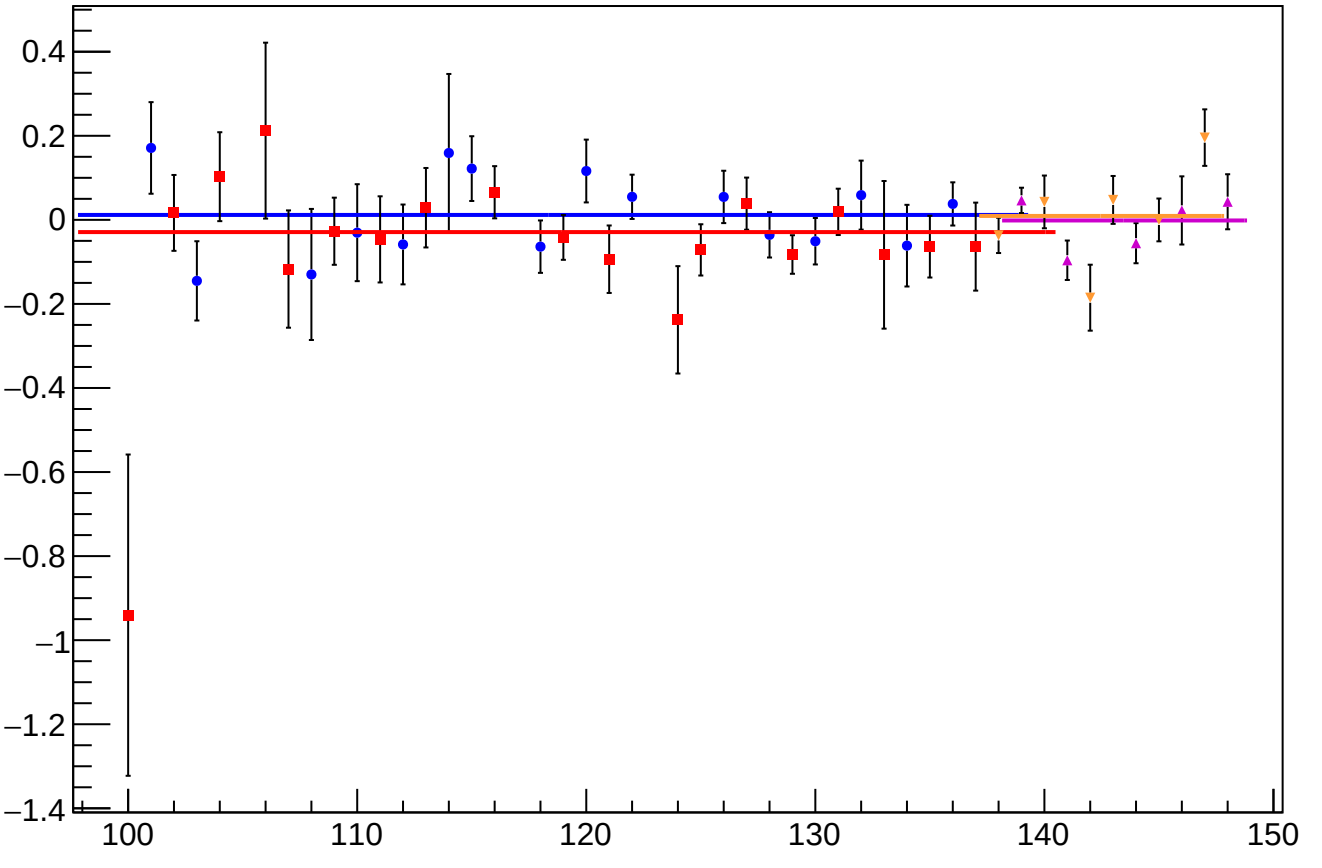
Left: 42.139+/-0.011 χ^2/NDF: 1238688.0/10

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.586+/-0.010 χ^2/NDF:2189160.4/20

Out: 44.916+/-0.010 χ^2/NDF:2060682.9/24

All: 43.713+/-0.007 χ^2/NDF: 4277994.8/45



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.020 χ^2/NDF:8.4/4

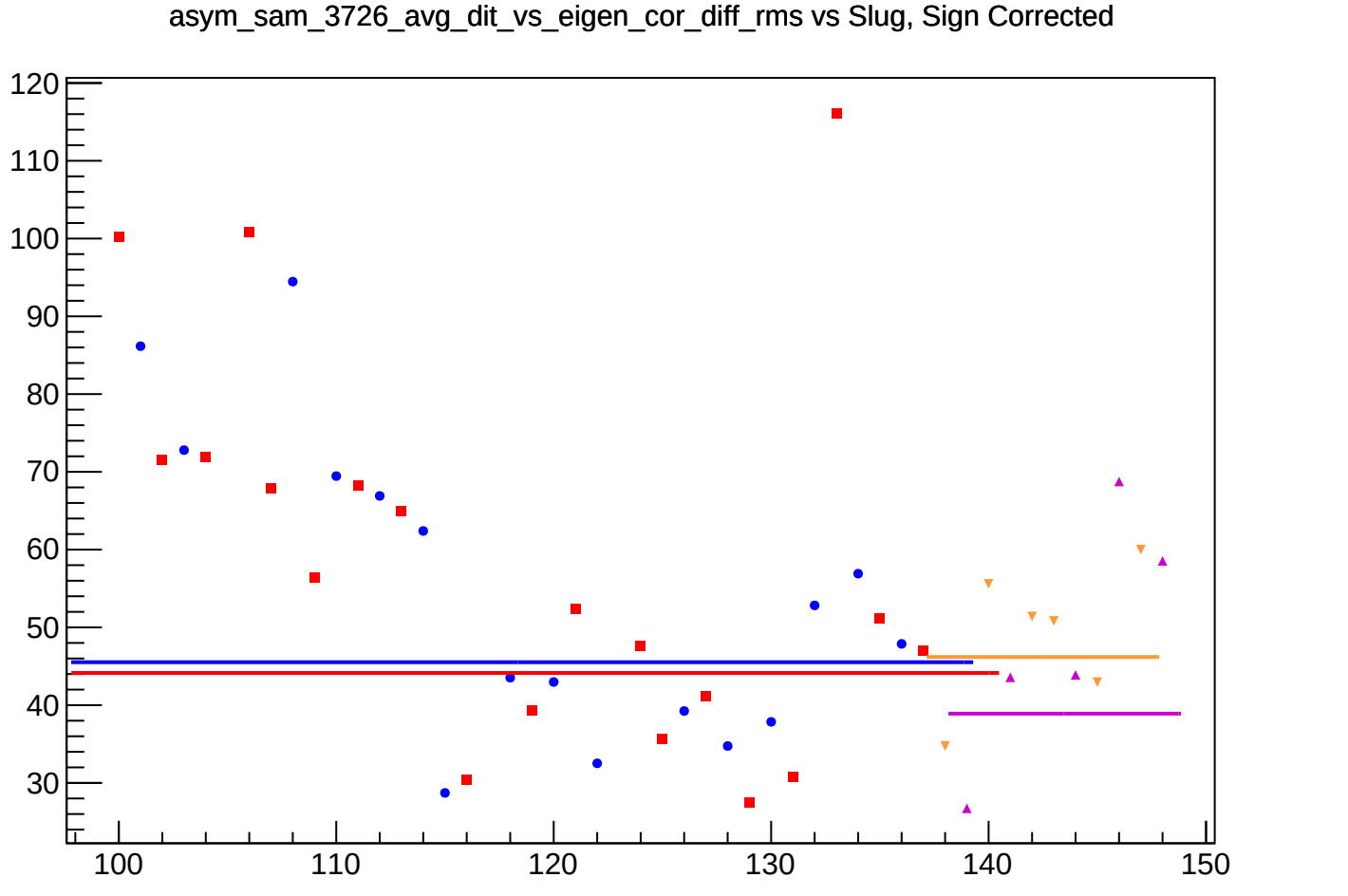
Left: 0.003+/-0.015 χ^2/NDF: 24.3/10

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.004+/-0.010 χ^2/NDF: 63.7/45



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 46.193+/-0.016 χ^2/NDF:307306.4/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

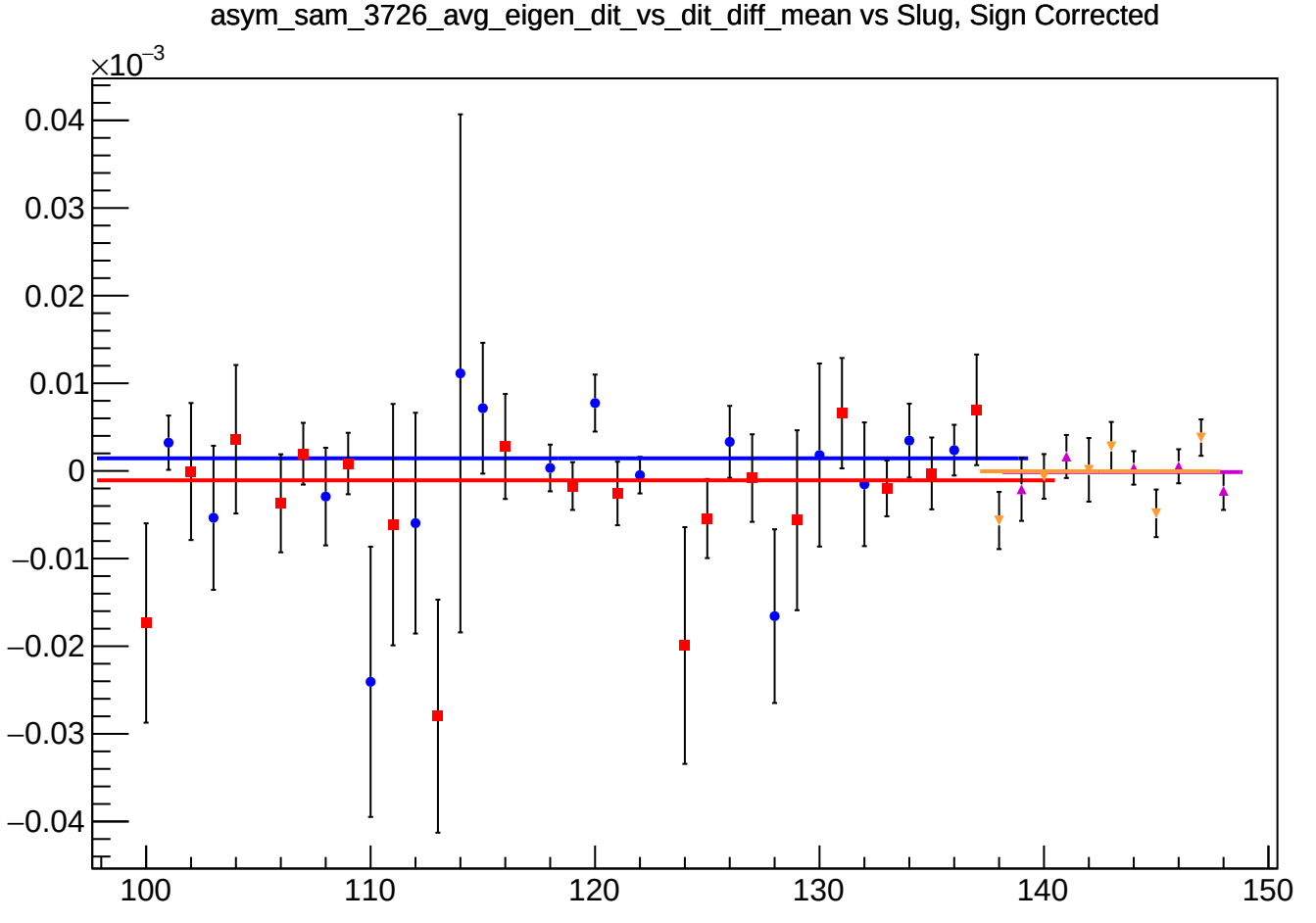
Left: 42.139+/-0.011 χ^2/NDF: 1238688.0/10

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.586+/-0.010 χ^2/NDF:2189160.4/20

Out: 44.916+/-0.010 χ^2/NDF:2060682.9/24

All: 43.713+/-0.007 χ^2/NDF: 4277994.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

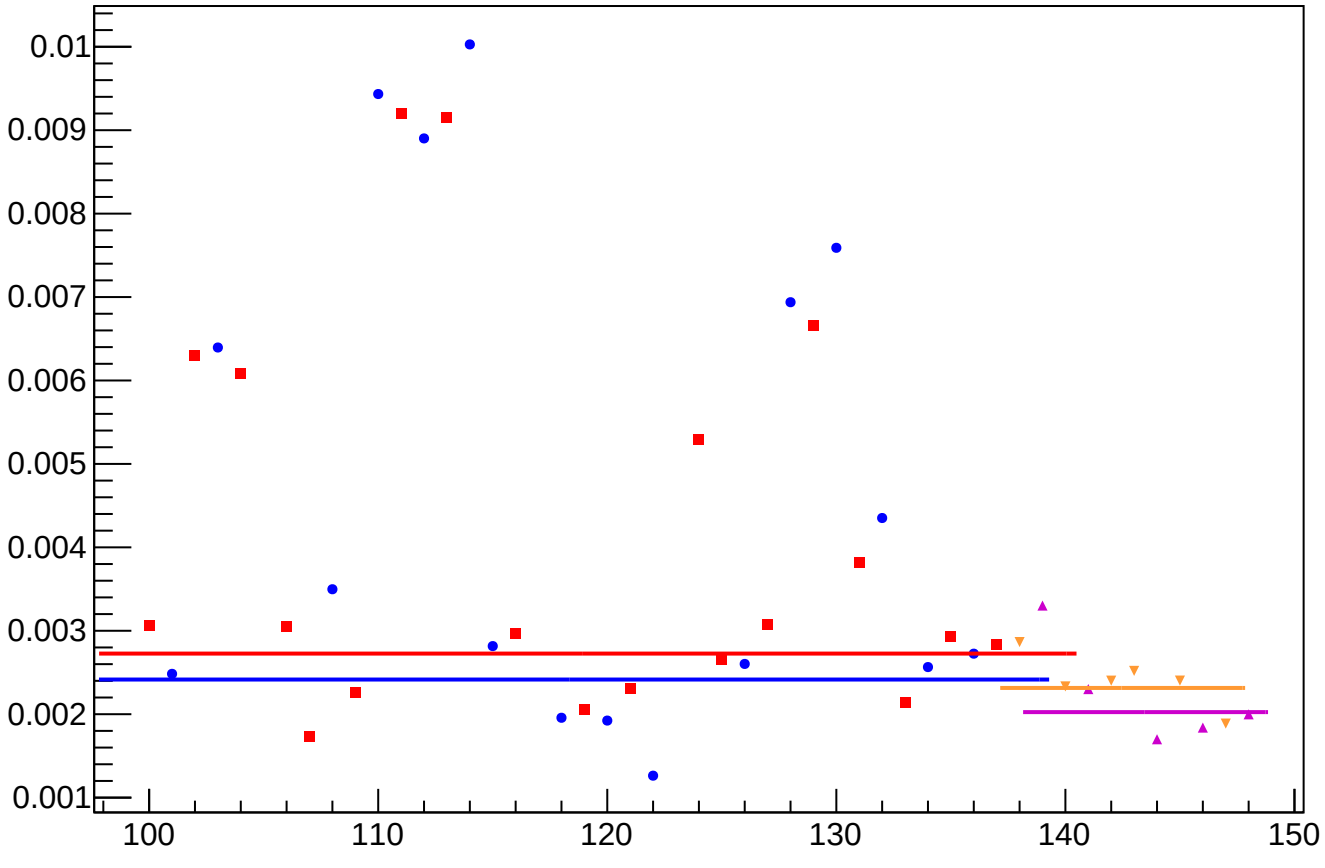
Left: -0.000+/-0.000 χ^2/NDF: 12.5/10

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.3/20

Out: -0.000+/-0.000 χ^2/NDF:25.8/24

All: 0.000+/-0.000 χ^2/NDF: 44.4/45



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:155490.4/5

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:352322.8/4

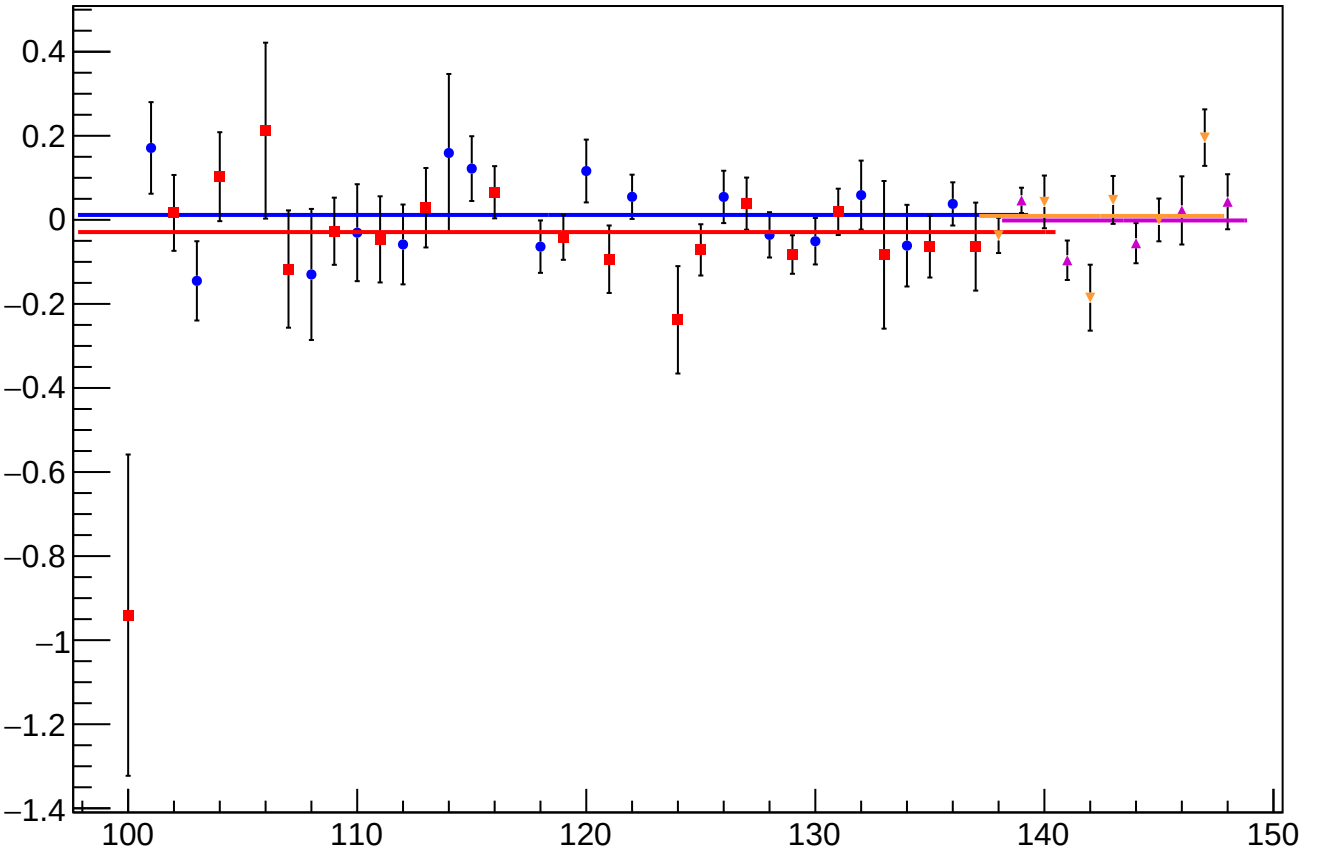
Left: 0.002+/-0.000 χ^2/NDF: 583143.6/10

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3930125.1/20

Out: 0.003+/-0.000 χ^2/NDF:2797356.1/24

All: 0.002+/-0.000 χ^2/NDF: 6889776.1/45



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.020 χ^2/NDF:8.4/4

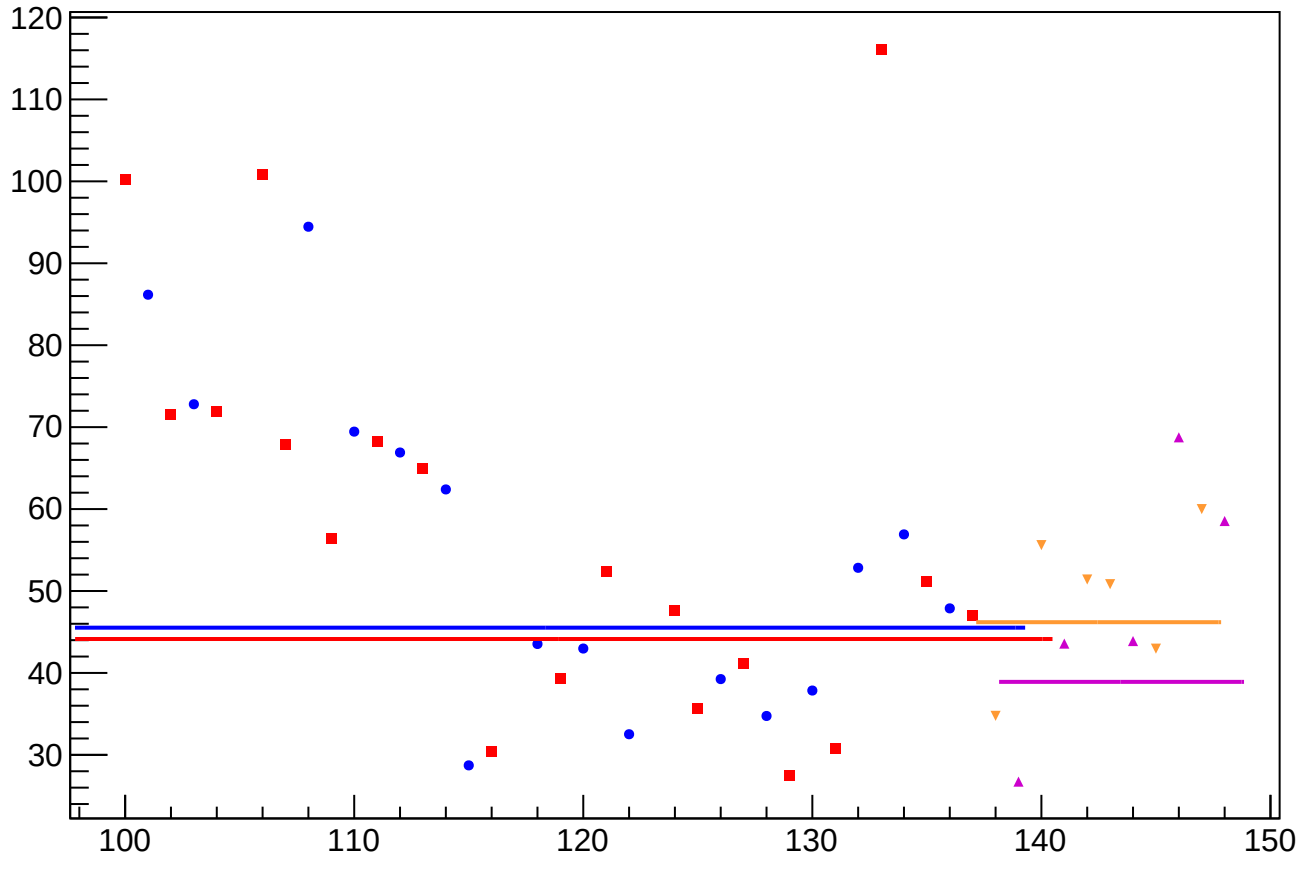
Left: 0.003+/-0.015 χ^2/NDF: 24.3/10

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.004+/-0.010 χ^2/NDF: 63.7/45



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 46.193+/-0.016 χ^2/NDF:307322.1/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

Left: 42.139+/-0.011 χ^2/NDF: 1238725.4/10

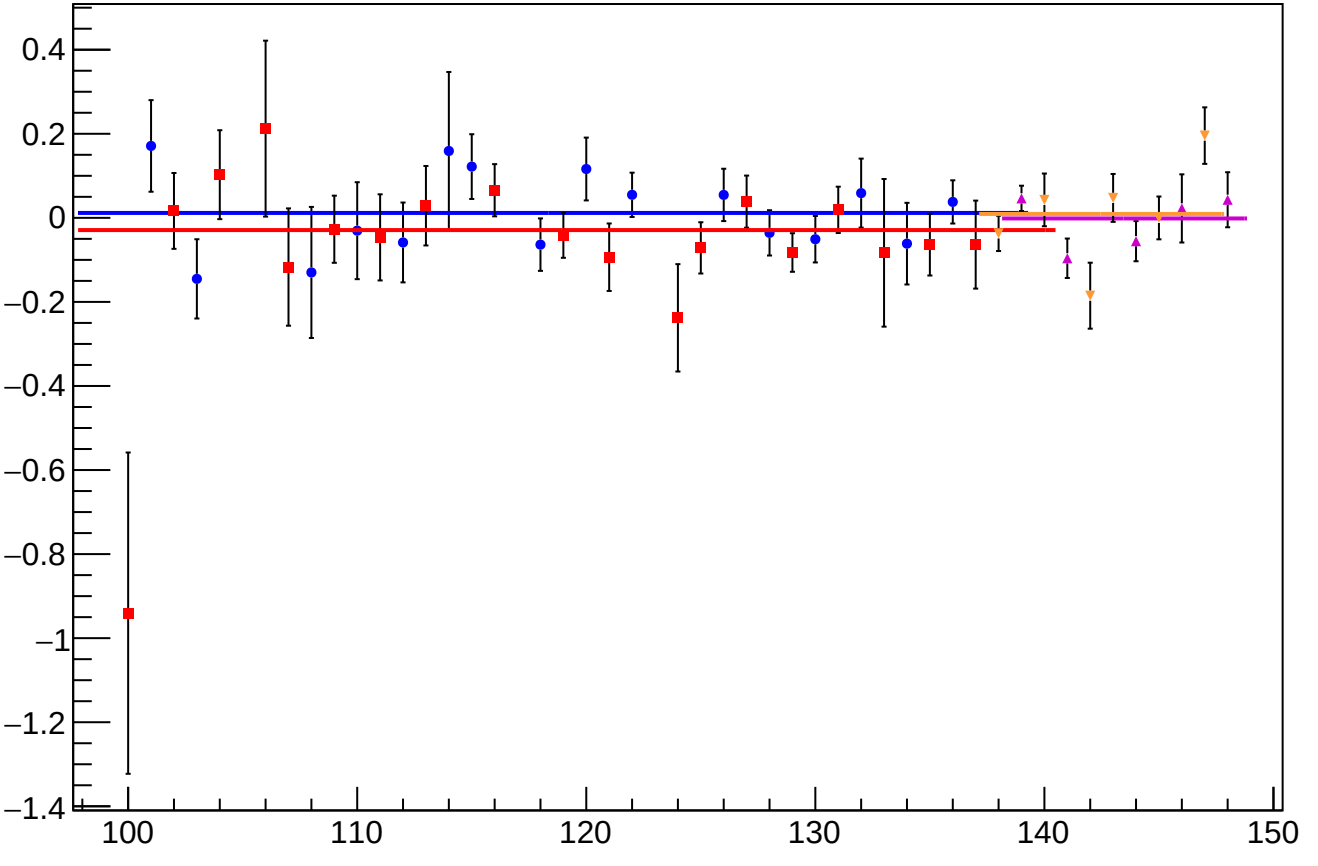
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.587+/-0.010 χ^2/NDF:2189125.8/20

Out: 44.916+/-0.010 χ^2/NDF:2060618.5/24

All: 43.714+/-0.007 χ^2/NDF: 4277900.7/45

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: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.020 χ^2/NDF:8.4/4

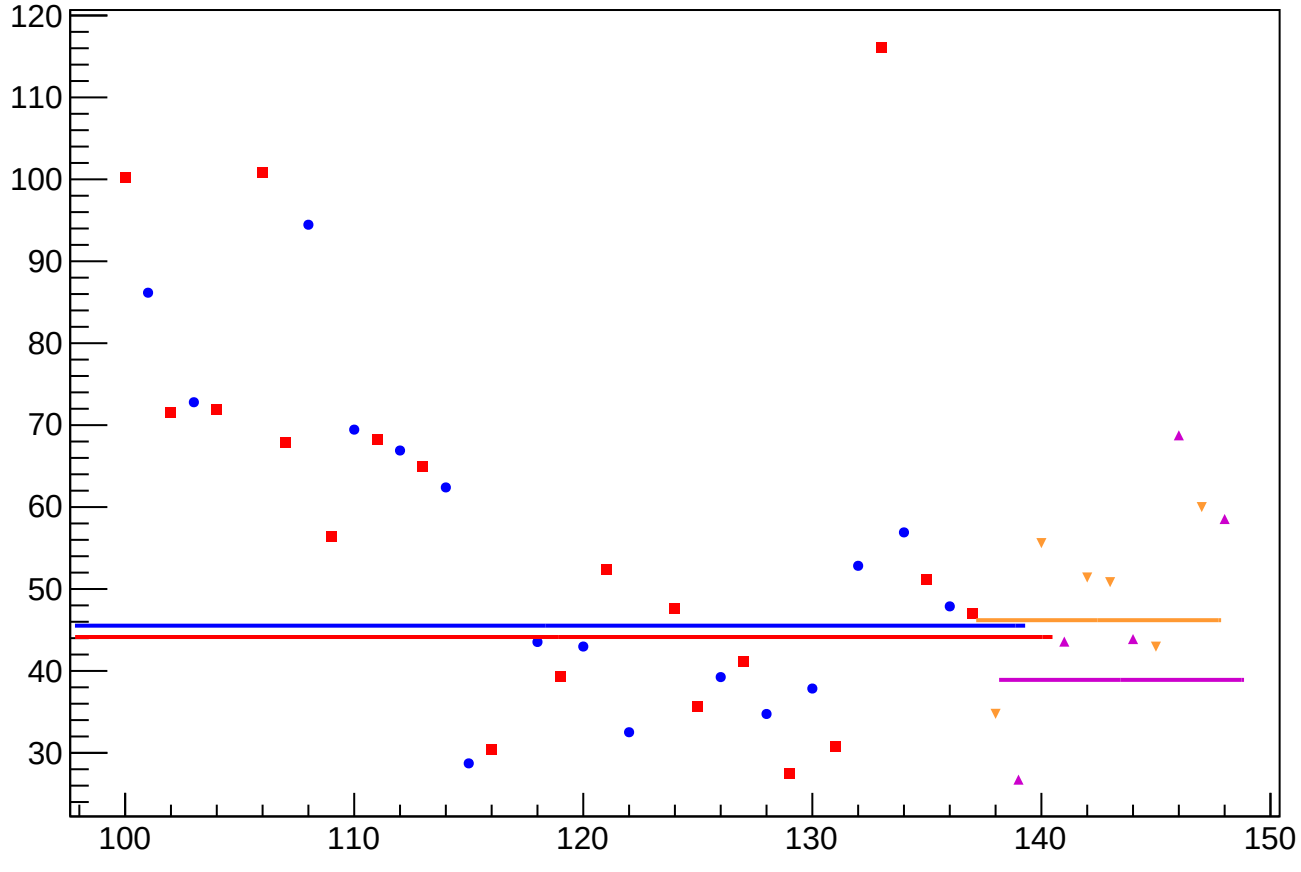
Left: 0.003+/-0.015 χ^2/NDF: 24.3/10

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.004+/-0.010 χ^2/NDF: 63.7/45



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 46.193+/-0.016 χ^2/NDF:307322.1/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

Left: 42.139+/-0.011 χ^2/NDF: 1238725.4/10

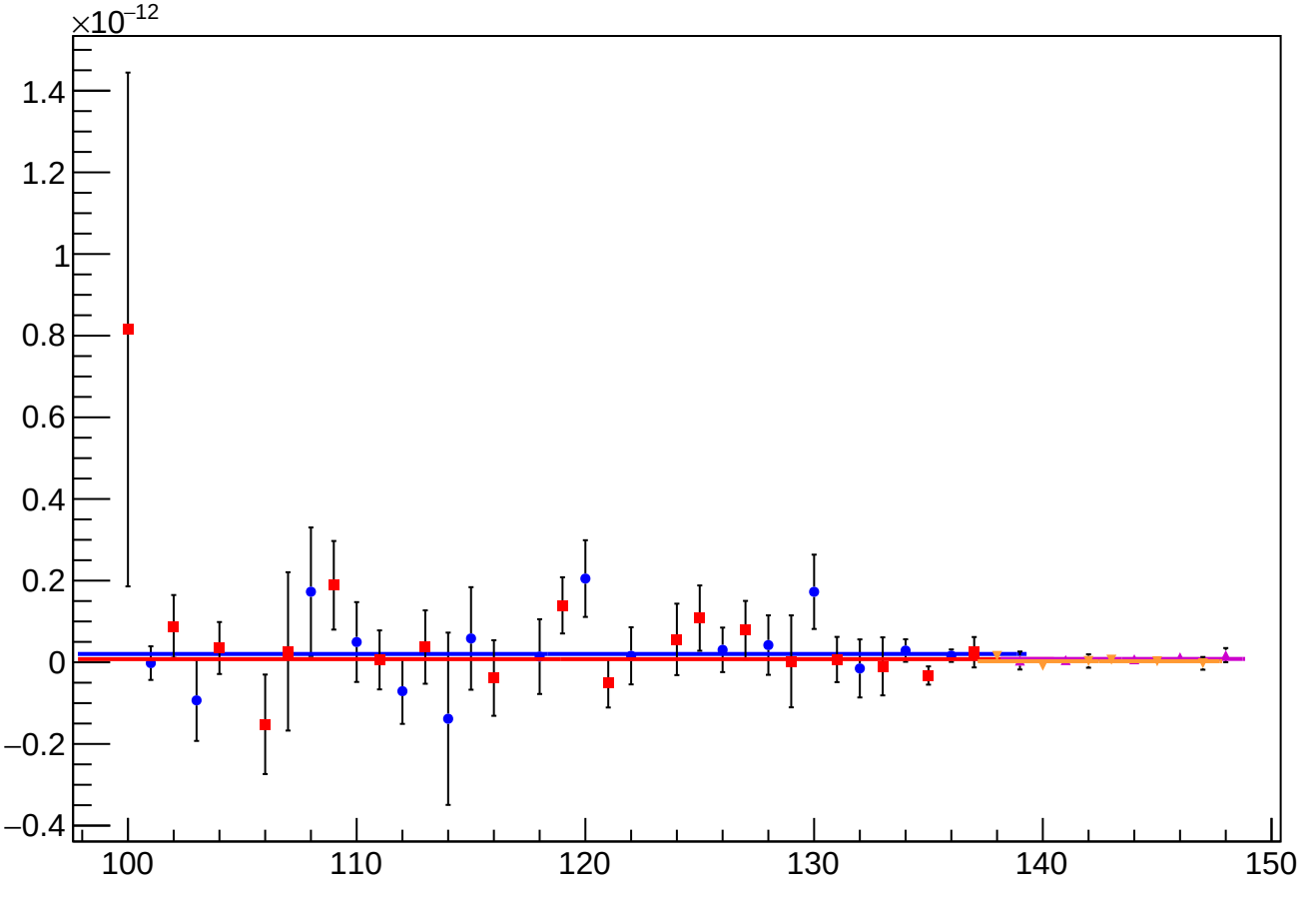
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.587+/-0.010 χ^2/NDF:2189125.8/20

Out: 44.916+/-0.010 χ^2/NDF:2060618.5/24

All: 43.714+/-0.007 χ^2/NDF: 4277900.7/45

asym_sam_3726_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:2.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/4

Left: 0.000+/-0.000 χ^2/NDF: 3.9/10

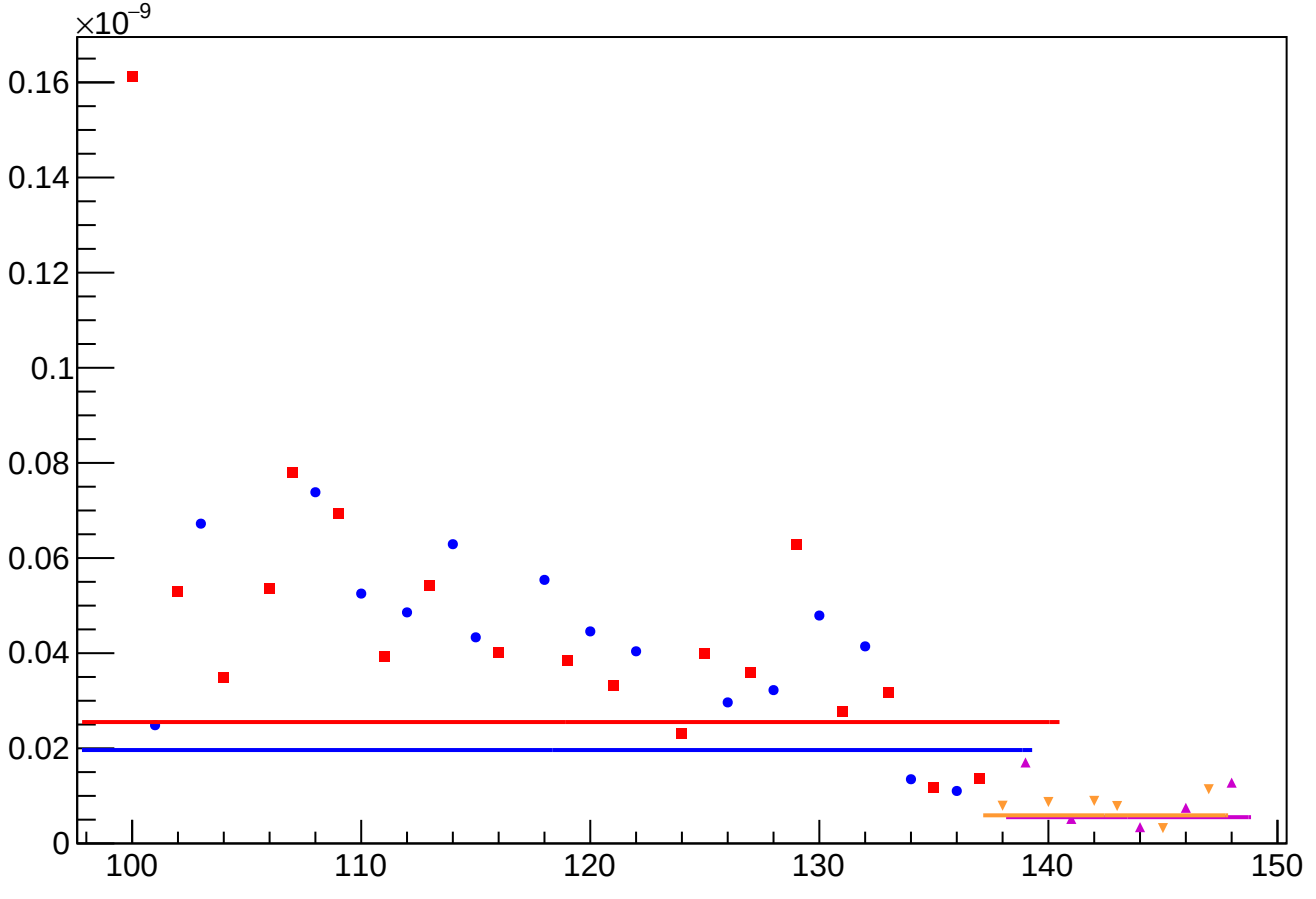
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:13.5/20

Out: 0.000+/-0.000 χ^2/NDF:21.2/24

All: 0.000+/-0.000 χ^2/NDF: 36.2/45

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022566.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1245910.0/4

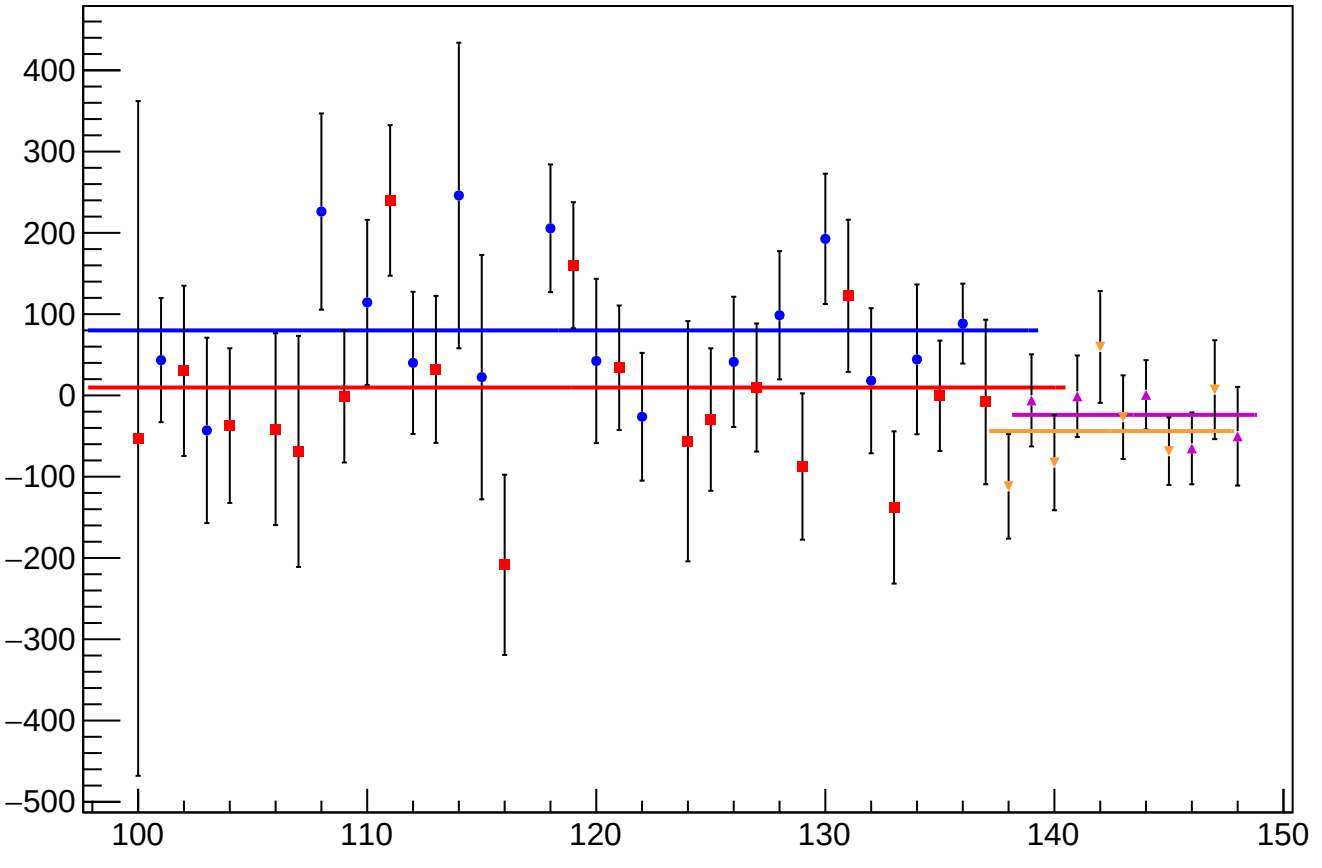
Left: 0.000+/-0.000 χ^2/NDF: 2277756.1/10

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7301270.9/20

Out: 0.000+/-0.000 χ^2/NDF:7505273.4/24

All: 0.000+/-0.000 χ^2/NDF: 14811168.3/45



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.893+/-22.515 χ^2/NDF:5.0/5

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -23.919+/-22.129 χ^2/NDF:1.7/4

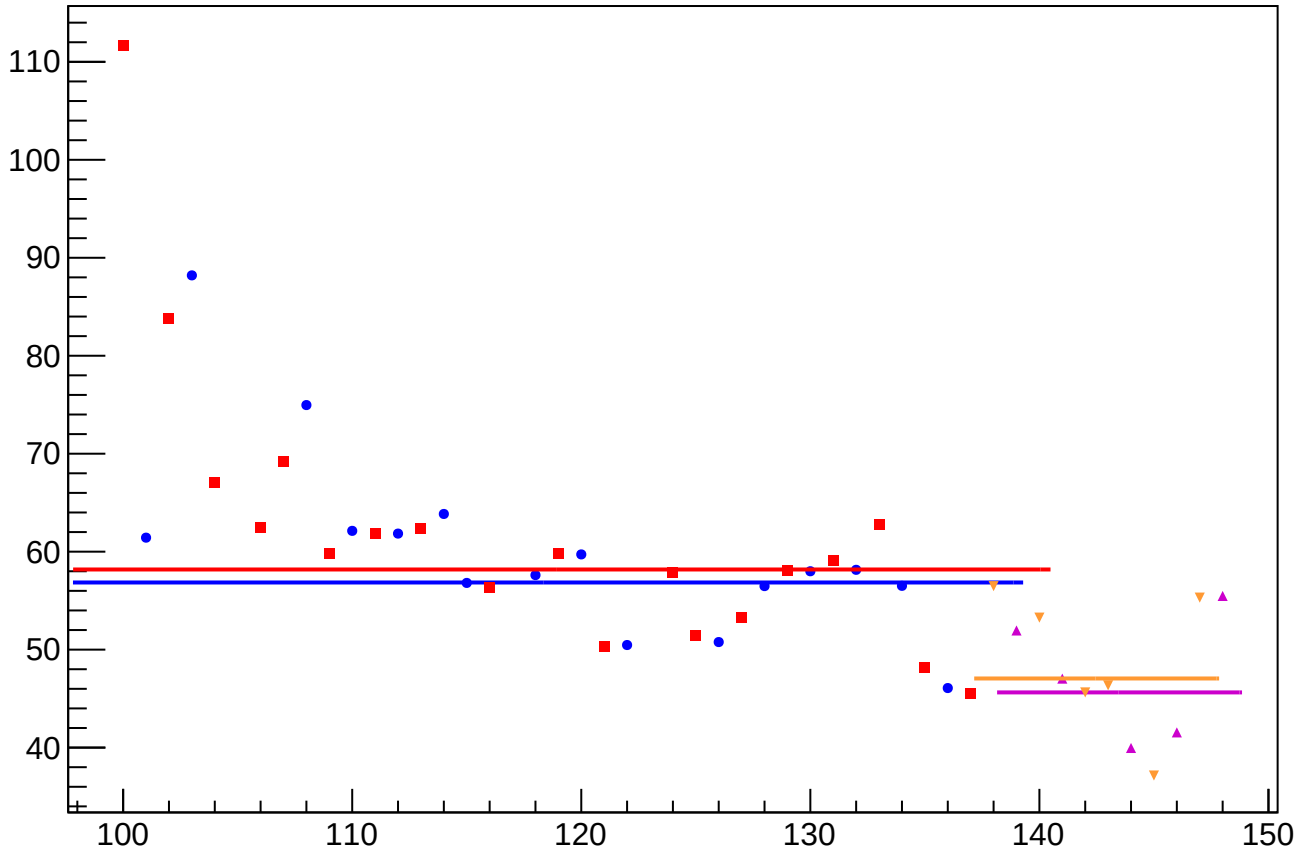
Left: -33.733+/-15.782 χ^2/NDF: 7.1/10

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 29.596+/-15.411 χ^2/NDF:24.6/20

Out: -15.992+/-15.593 χ^2/NDF:28.3/24

All: 7.070+/-10.961 χ^2/NDF: 57.2/45



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

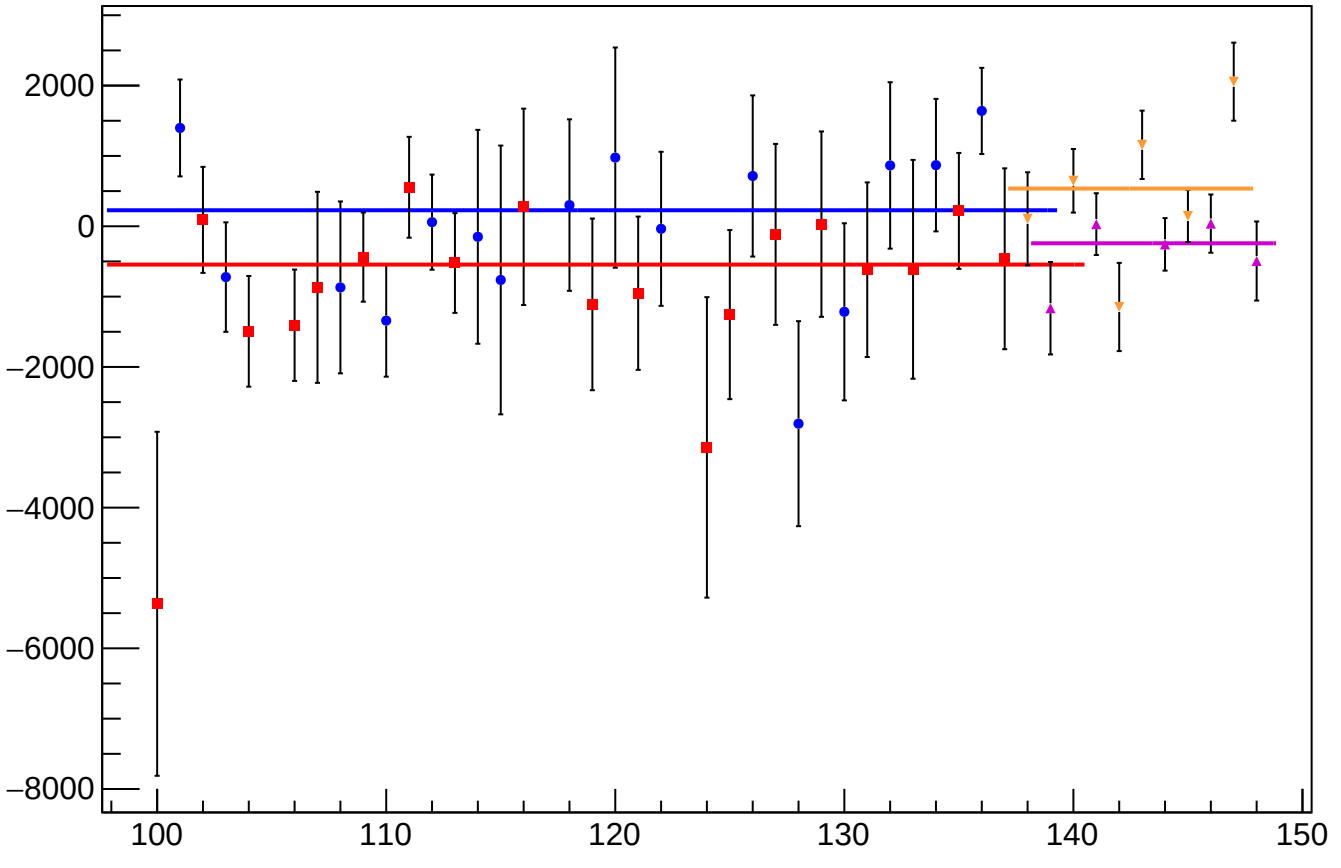
Left: 46.332+/-0.011 χ^2/NDF: 353099.4/10

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.412+/-0.011 χ^2/NDF:738004.8/20

Out: 52.845+/-0.011 χ^2/NDF:786255.4/24

All: 52.120+/-0.008 χ^2/NDF: 1532796.6/45



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 535.947+/-201.920 χ^2/NDF:17.9/5

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -241.950+/-205.514 χ^2/NDF:3.0/4

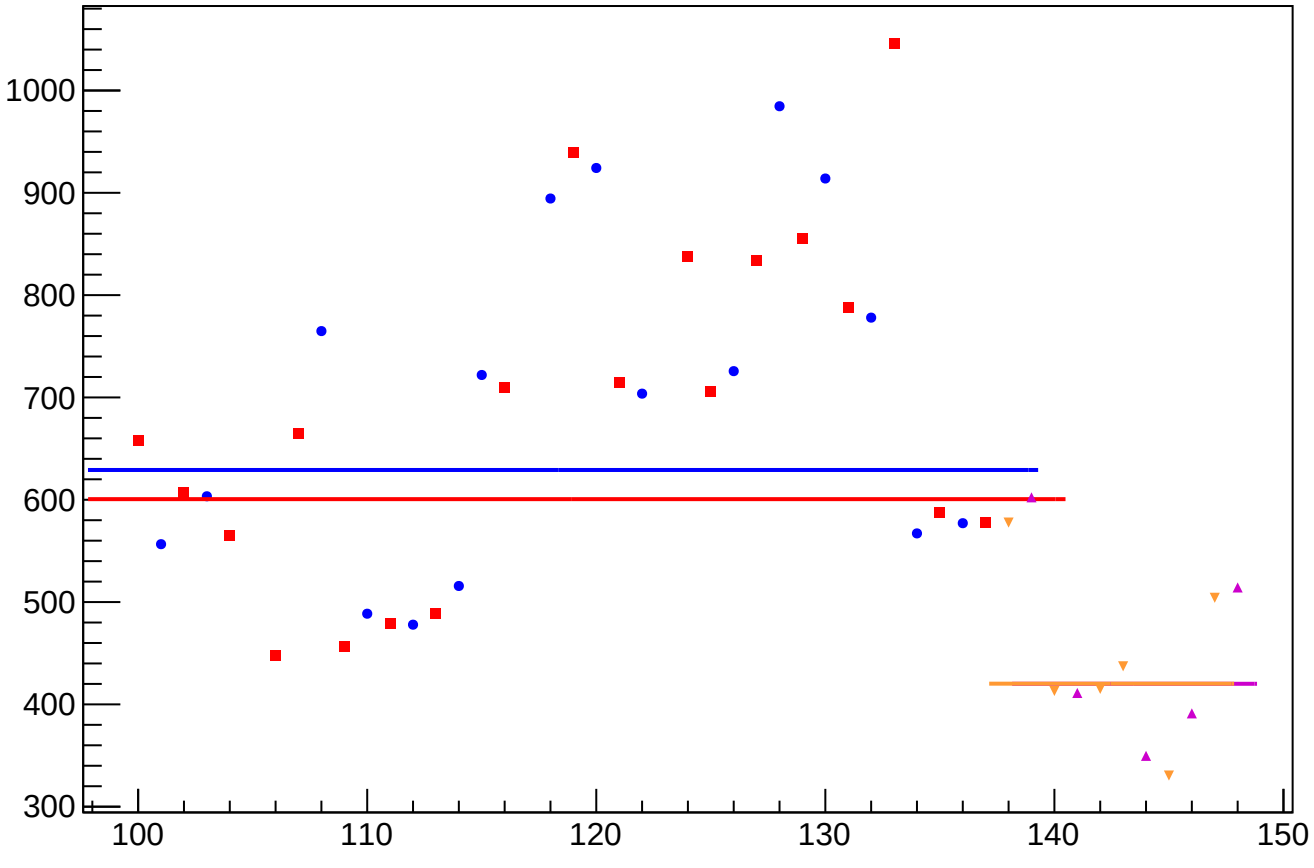
Left: 153.859+/-144.033 χ^2/NDF: 28.3/10

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -44.510+/-156.438 χ^2/NDF:26.9/20

Out: 59.134+/-150.941 χ^2/NDF:44.0/24

All: 9.165+/-108.623 χ^2/NDF: 71.0/45



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 420.238+/-0.143 χ^2/NDF:280181.2/5

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 420.122+/-0.145 χ^2/NDF:291743.6/4

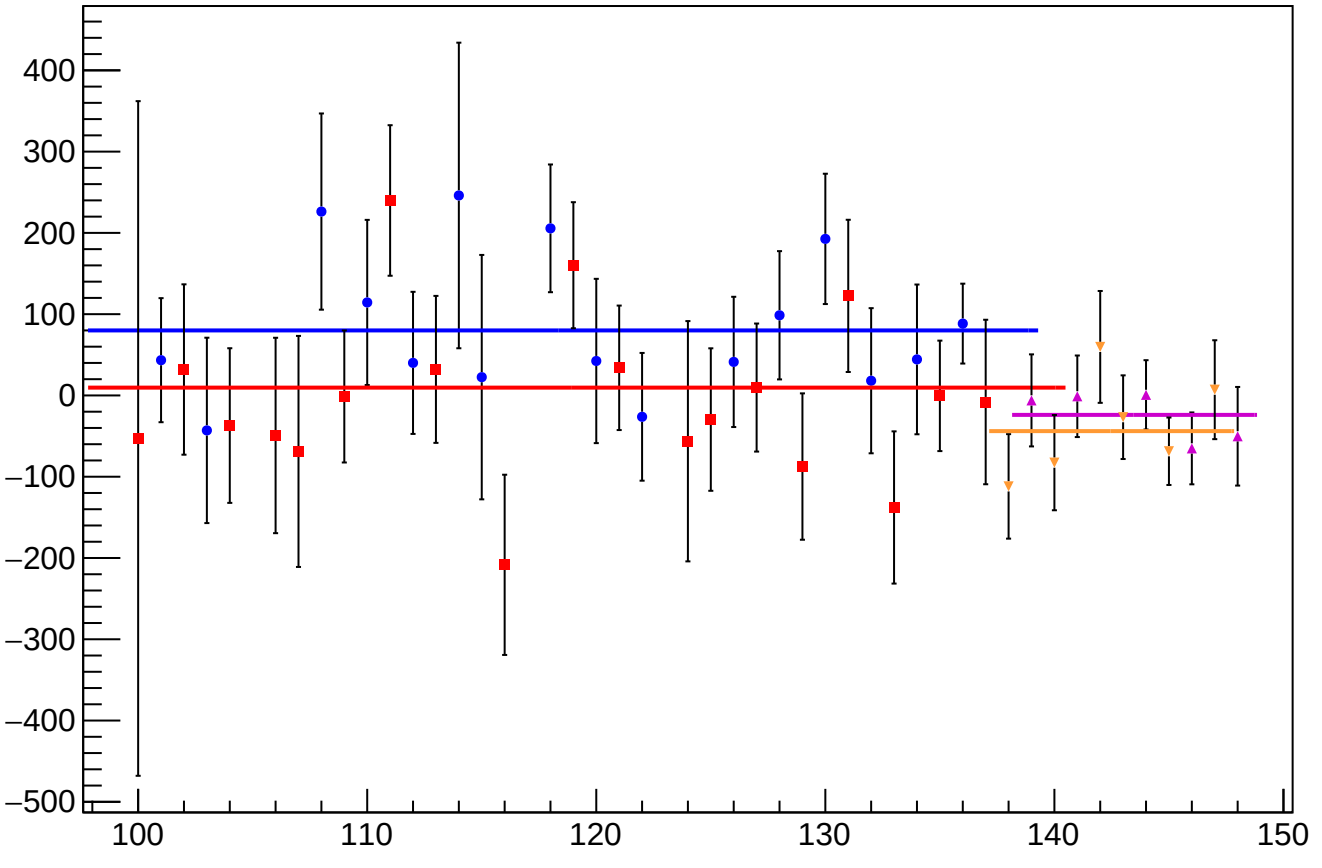
Left: 420.181+/-0.102 χ^2/NDF: 571925.2/10

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 508.010+/-0.111 χ^2/NDF:1854164.9/20

Out: 499.811+/-0.107 χ^2/NDF:1858783.1/24

All: 503.764+/-0.077 χ^2/NDF: 3715793.6/45



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.901+/-22.515 χ^2/NDF:5.0/5

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.923+/-22.129 χ^2/NDF:1.7/4

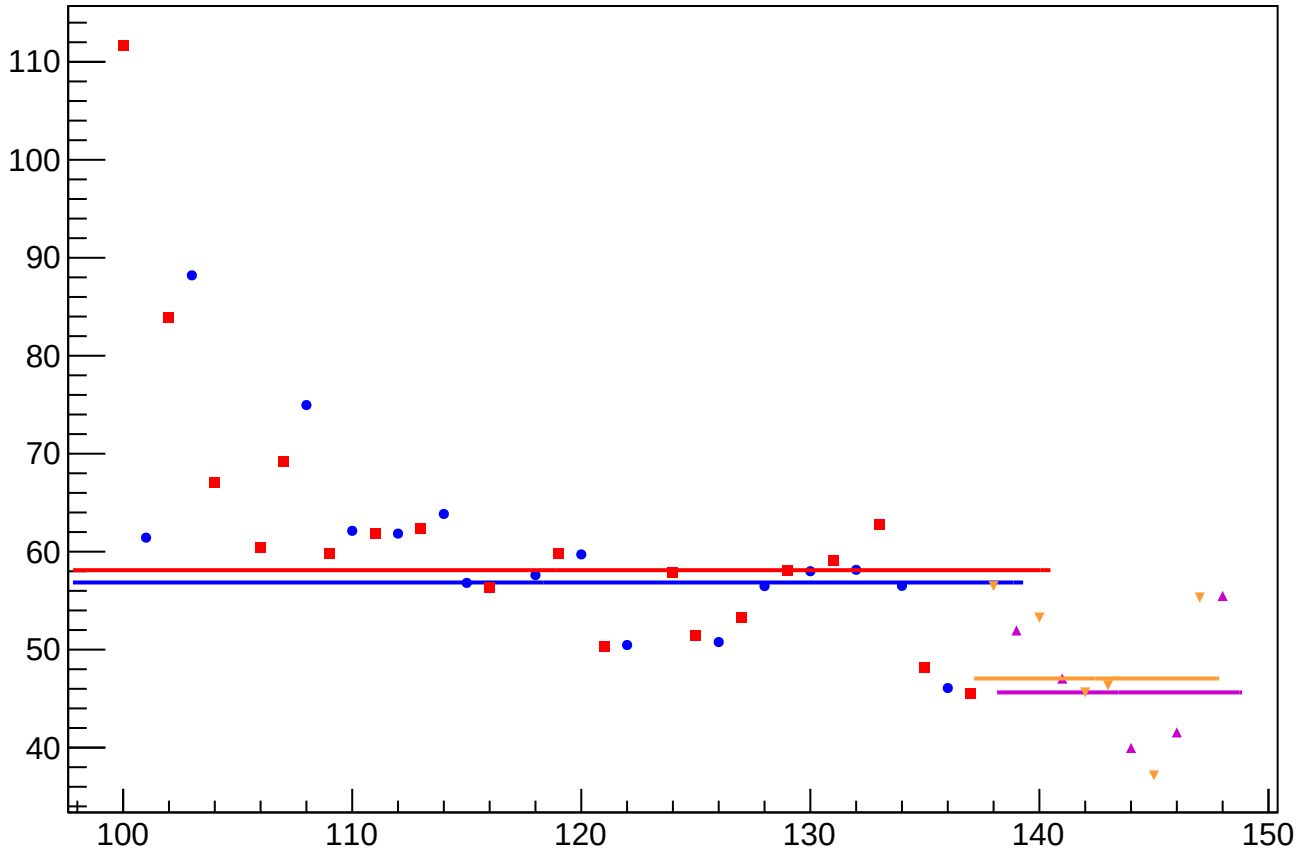
Left: -33.740+/-15.782 χ^2/NDF: 7.1/10

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 29.596+/-15.411 χ^2/NDF:24.6/20

Out: -16.070+/-15.598 χ^2/NDF:28.3/24

All: 7.039+/-10.963 χ^2/NDF: 57.3/45



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

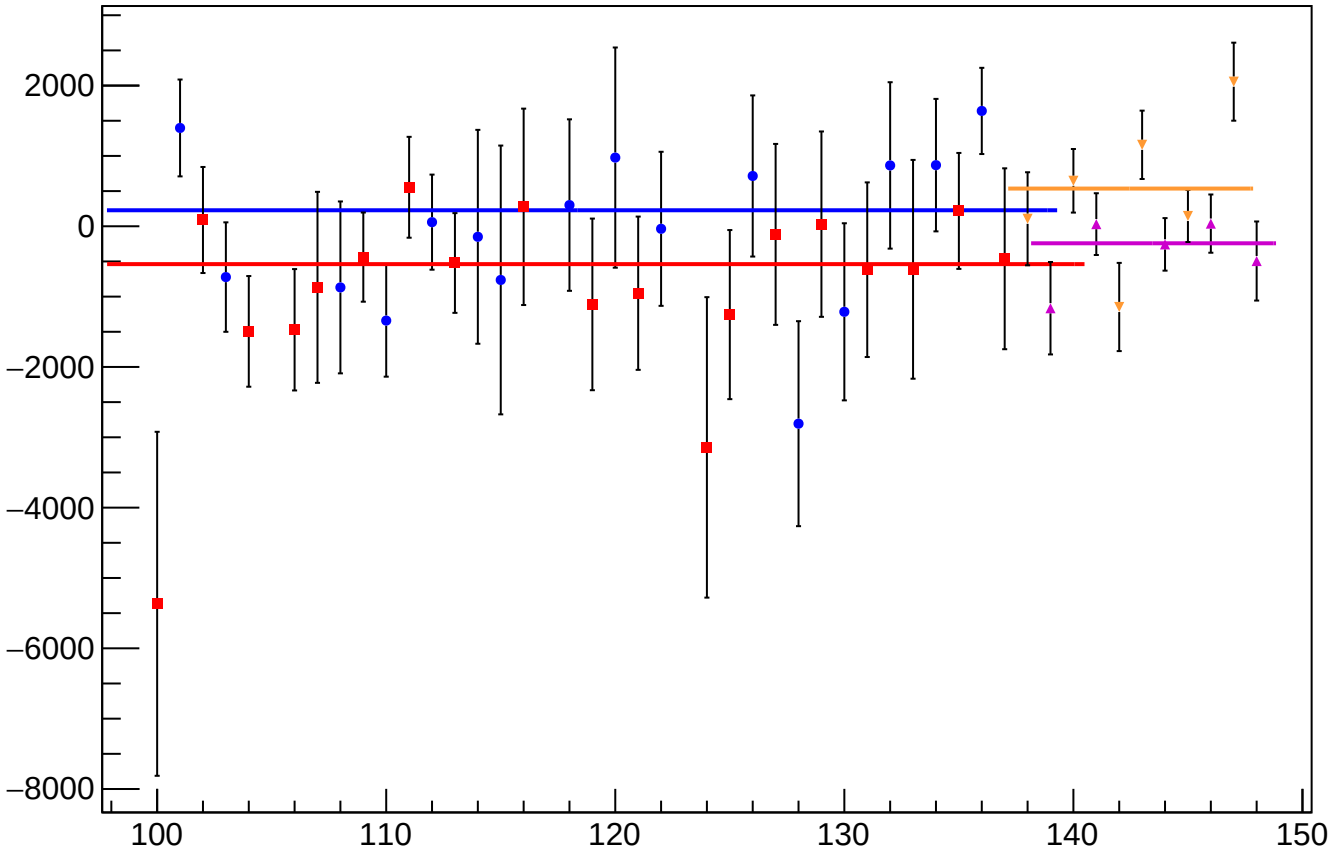
Left: 46.332+/-0.011 χ^2/NDF: 353099.4/10

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.412+/-0.011 χ^2/NDF:738008.8/20

Out: 52.804+/-0.011 χ^2/NDF:781161.6/24

All: 52.100+/-0.008 χ^2/NDF: 1527230.9/45



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 535.939+/-201.920 χ^2/NDF:17.9/5

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -241.956+/-205.514 χ^2/NDF:3.0/4

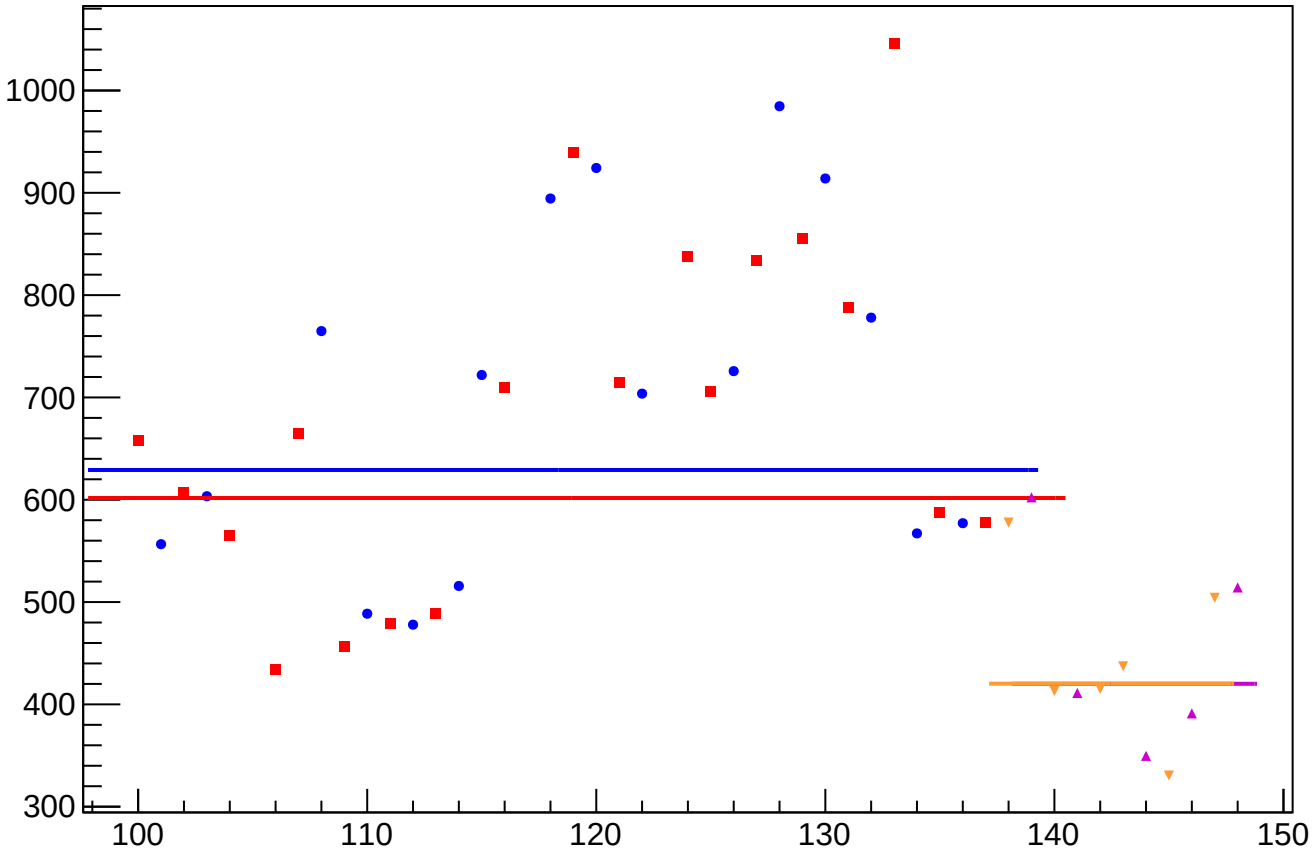
Left: 153.852+/-144.033 χ^2/NDF: 28.3/10

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -44.499+/-156.438 χ^2/NDF:26.8/20

Out: 65.573+/-151.382 χ^2/NDF:43.7/24

All: 12.345+/-108.787 χ^2/NDF: 70.8/45



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 420.237+/-0.143 χ^2/NDF:280181.4/5

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

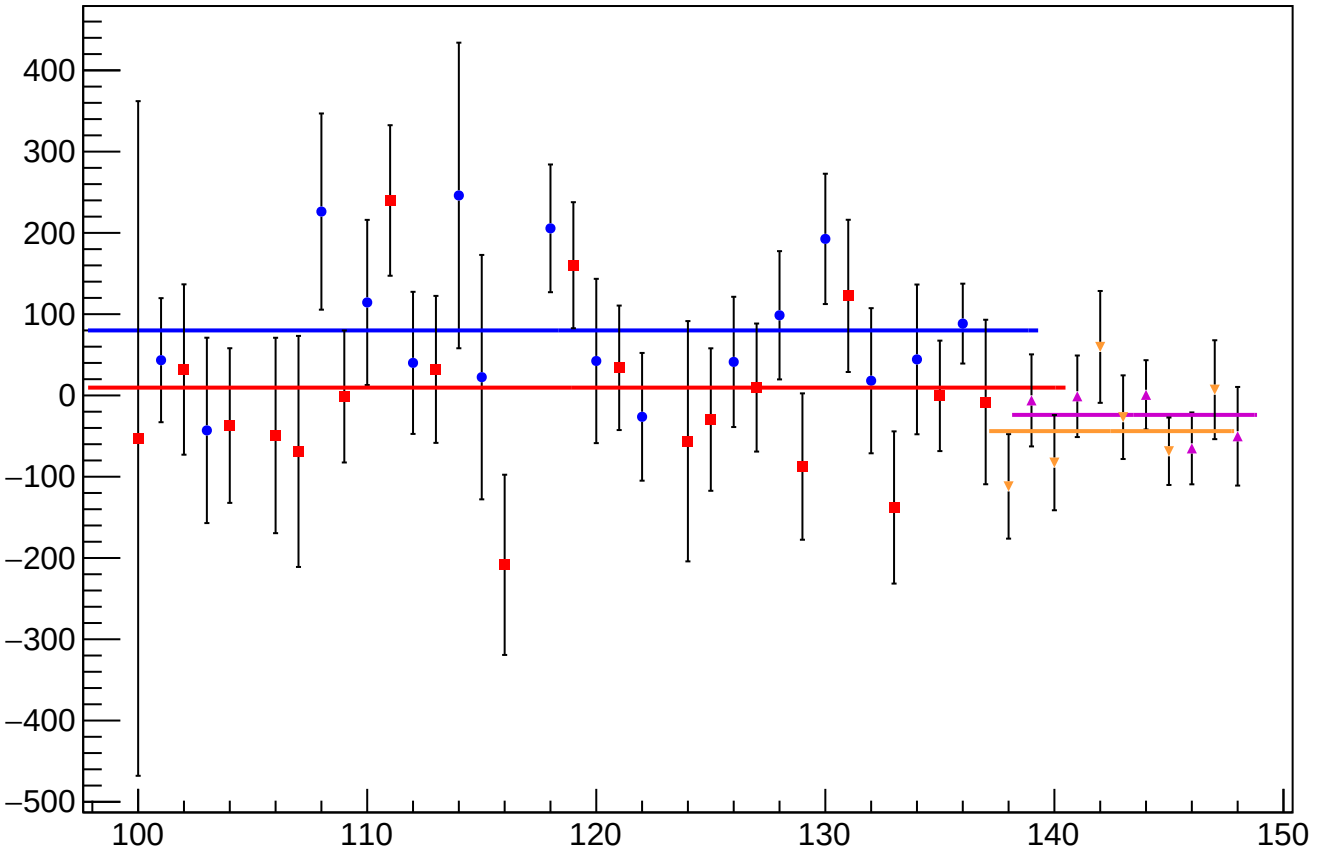
Left: 420.181+/-0.102 χ^2/NDF: 571924.5/10

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 508.012+/-0.111 χ^2/NDF:1854185.9/20

Out: 499.715+/-0.107 χ^2/NDF:1861765.2/24

All: 503.727+/-0.077 χ^2/NDF: 3718856.3/45



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.901+/-22.515 χ^2/NDF:5.0/5

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.923+/-22.129 χ^2/NDF:1.7/4

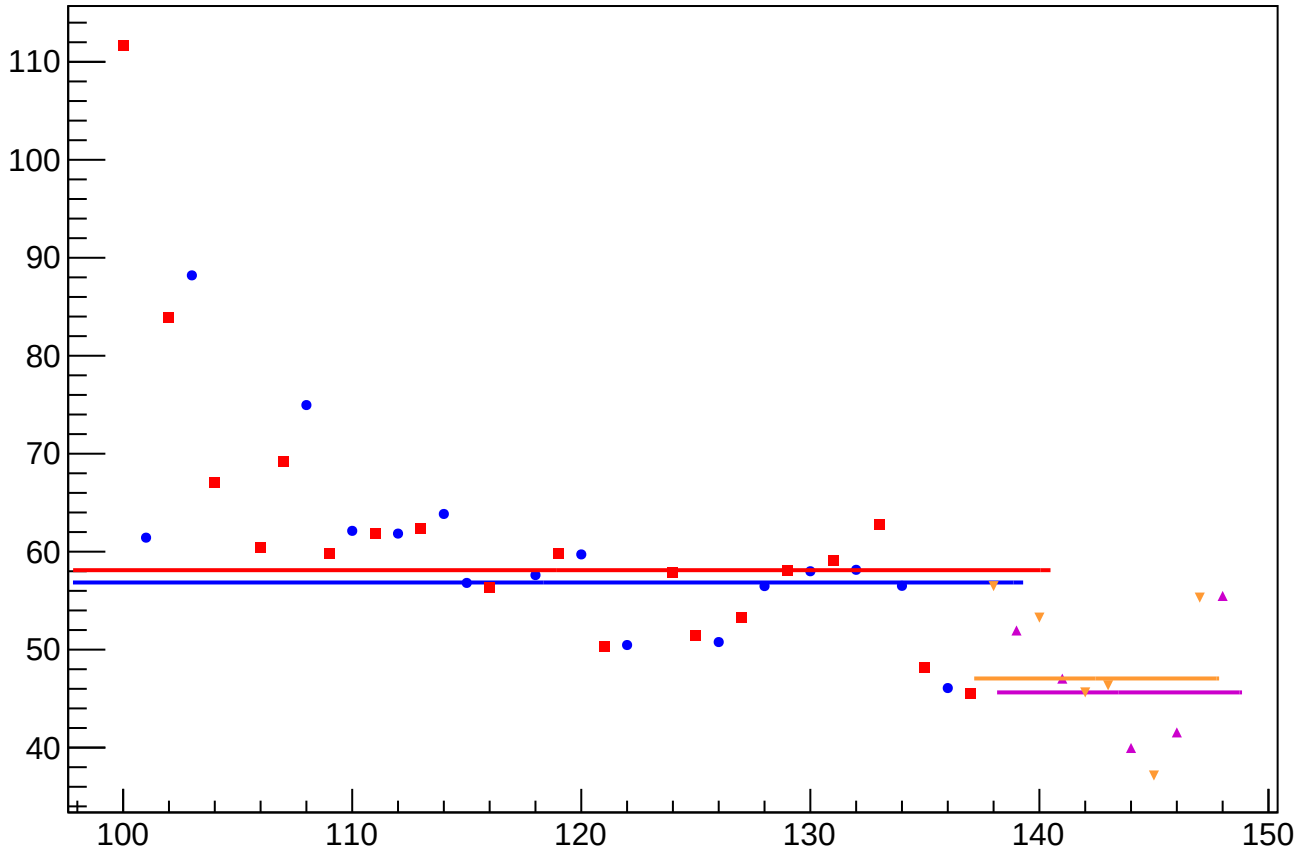
Left: -33.740+/-15.782 χ^2/NDF: 7.1/10

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 29.596+/-15.411 χ^2/NDF:24.6/20

Out: -16.070+/-15.598 χ^2/NDF:28.3/24

All: 7.039+/-10.963 χ^2/NDF: 57.3/45



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

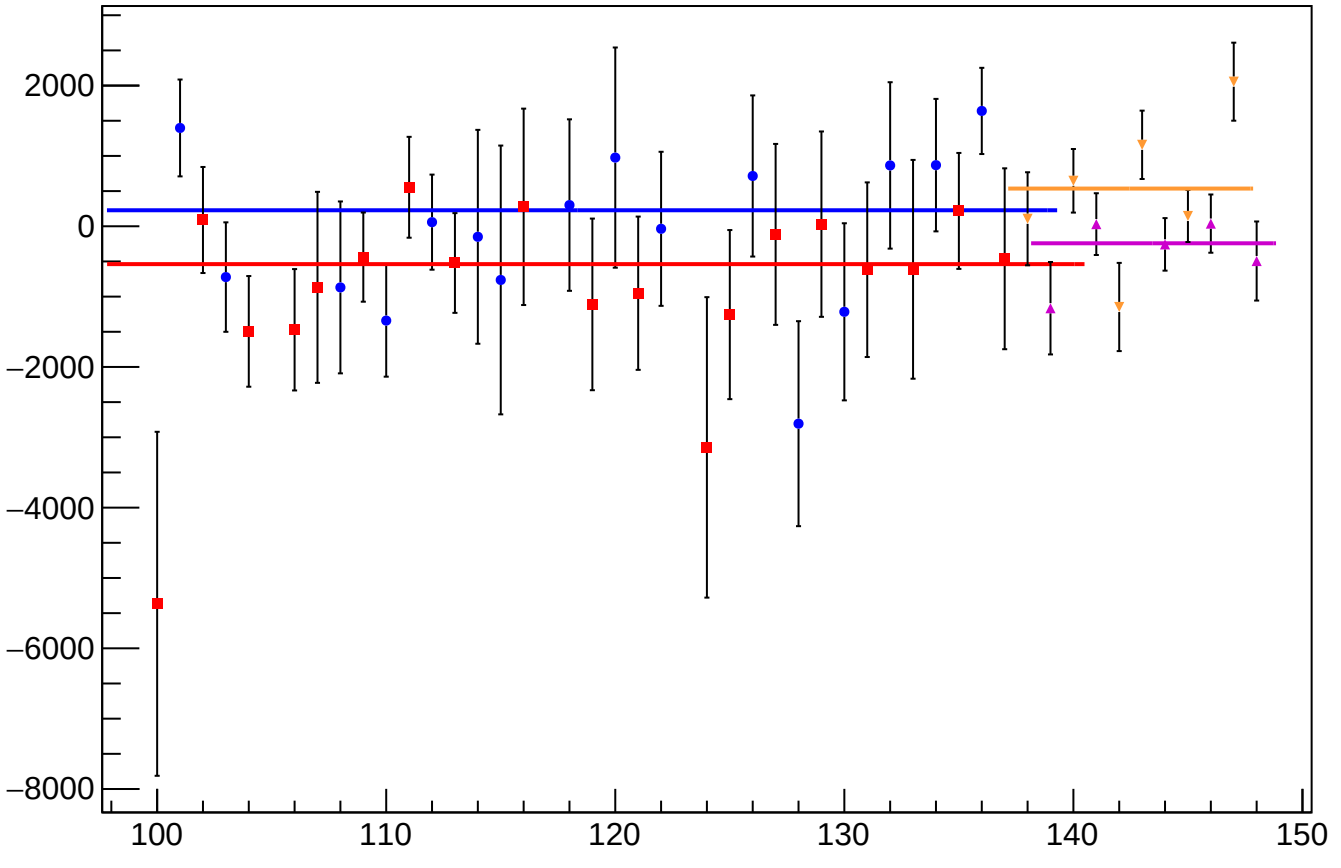
Left: 46.332+/-0.011 χ^2/NDF: 353099.4/10

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.412+/-0.011 χ^2/NDF:738008.8/20

Out: 52.804+/-0.011 χ^2/NDF:781161.6/24

All: 52.100+/-0.008 χ^2/NDF: 1527230.9/45



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 535.939+/-201.920 χ^2/NDF:17.9/5

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -241.956+/-205.514 χ^2/NDF:3.0/4

Left: 153.852+/-144.033 χ^2/NDF: 28.3/10

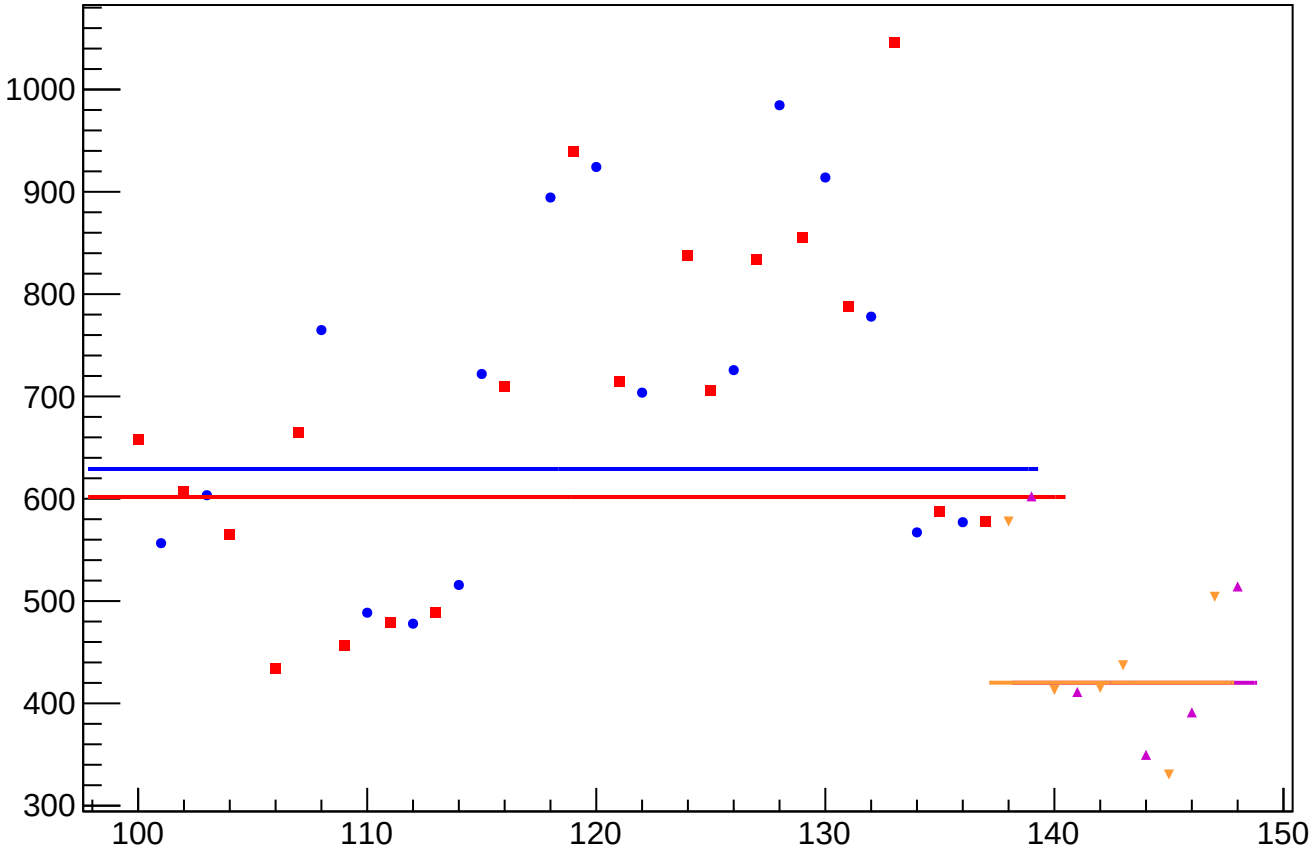
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -44.499+/-156.438 χ^2/NDF:26.8/20

Out: 65.573+/-151.382 χ^2/NDF:43.7/24

All: 12.345+/-108.787 χ^2/NDF: 70.8/45

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: 420.237+/-0.143 χ^2/NDF:280181.4/5

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

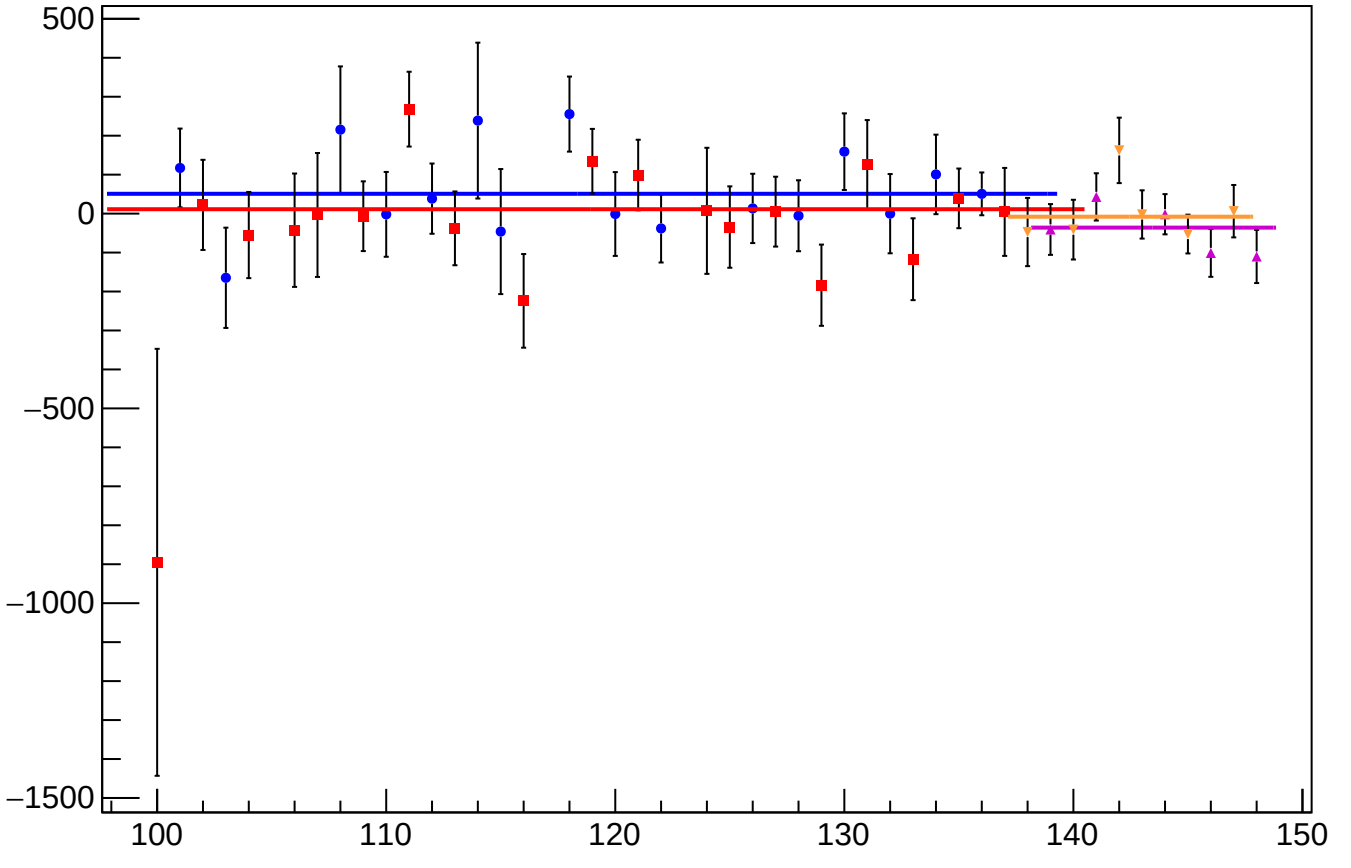
Left: 420.181+/-0.102 χ^2/NDF: 571924.5/10

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 508.012+/-0.111 χ^2/NDF:1854185.9/20

Out: 499.715+/-0.107 χ^2/NDF:1861765.2/24

All: 503.727+/-0.077 χ^2/NDF: 3718856.3/45



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.926+/-27.451 χ^2/NDF:5.3/5

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -35.983+/-27.085 χ^2/NDF:4.4/4

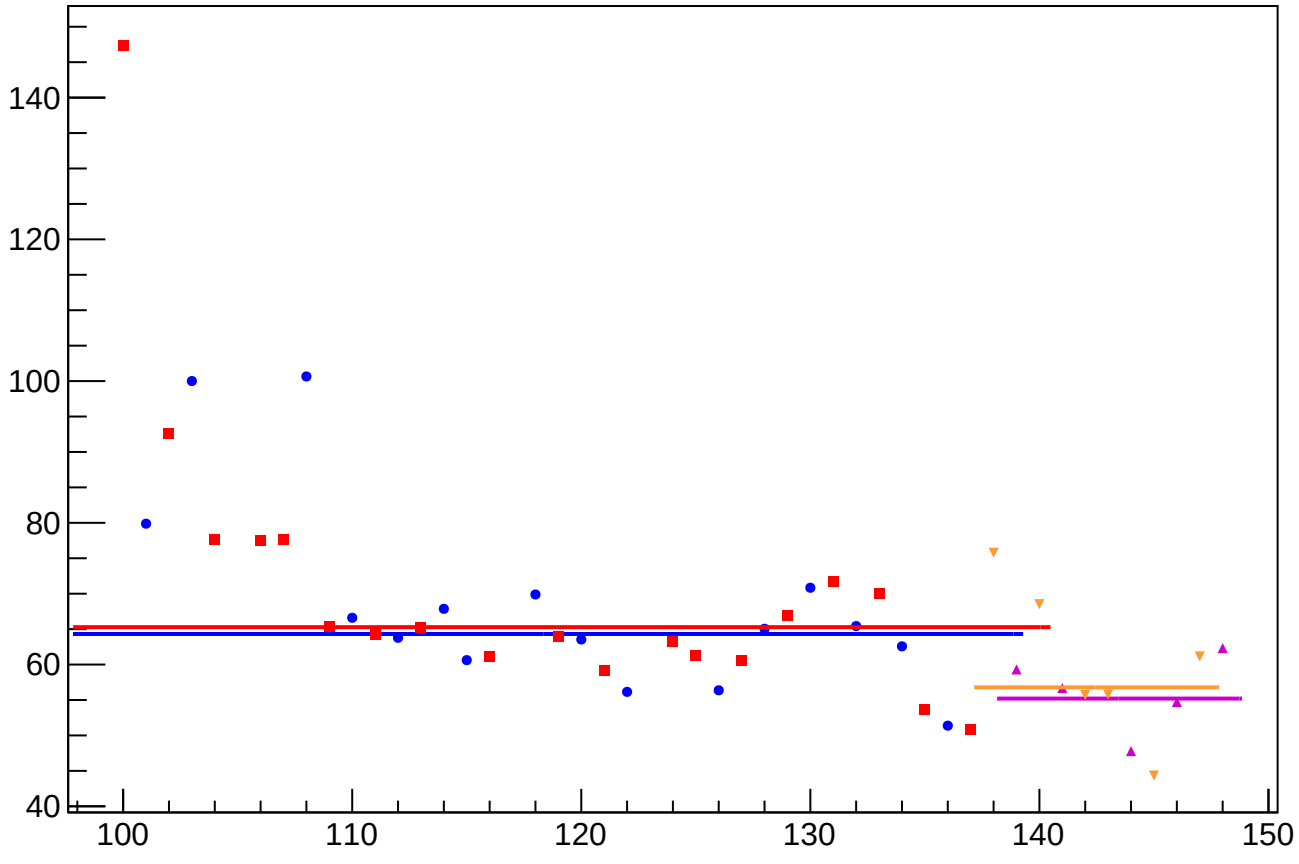
Left: -22.143+/-19.280 χ^2/NDF: 10.3/10

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 11.793+/-18.166 χ^2/NDF:23.9/20

Out: 2.822+/-18.205 χ^2/NDF:29.6/24

All: 7.317+/-12.859 χ^2/NDF: 53.7/45



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.789+/-0.019 χ^2/NDF:275088.2/5

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.199+/-0.019 χ^2/NDF:72385.9/4

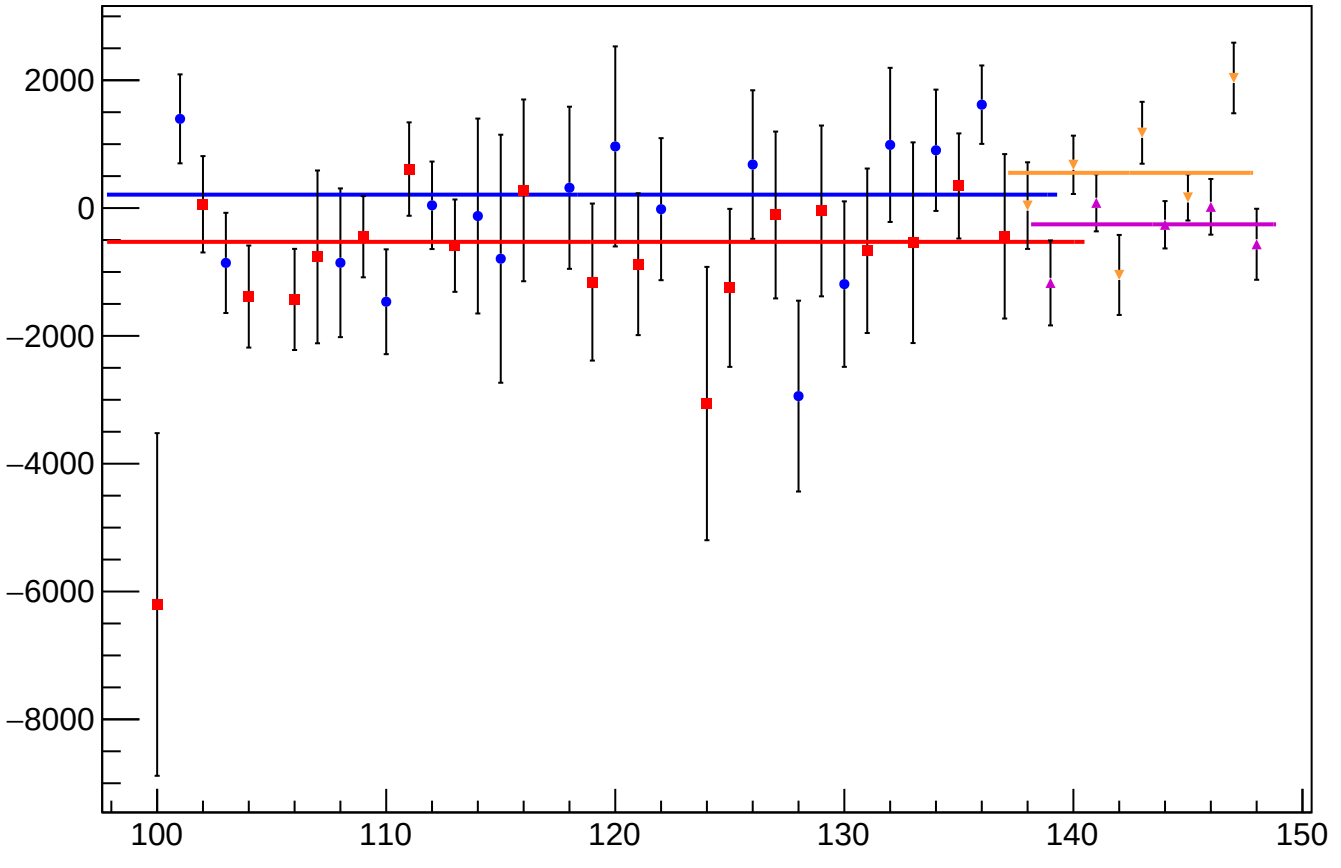
Left: 55.983+/-0.014 χ^2/NDF: 350870.3/10

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 60.215+/-0.013 χ^2/NDF:662019.6/20

Out: 61.544+/-0.013 χ^2/NDF:701360.6/24

All: 60.878+/-0.009 χ^2/NDF: 1368716.4/45



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.348+/-201.096 χ^2/NDF:17.2/5

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -254.677+/-208.253 χ^2/NDF:3.2/4

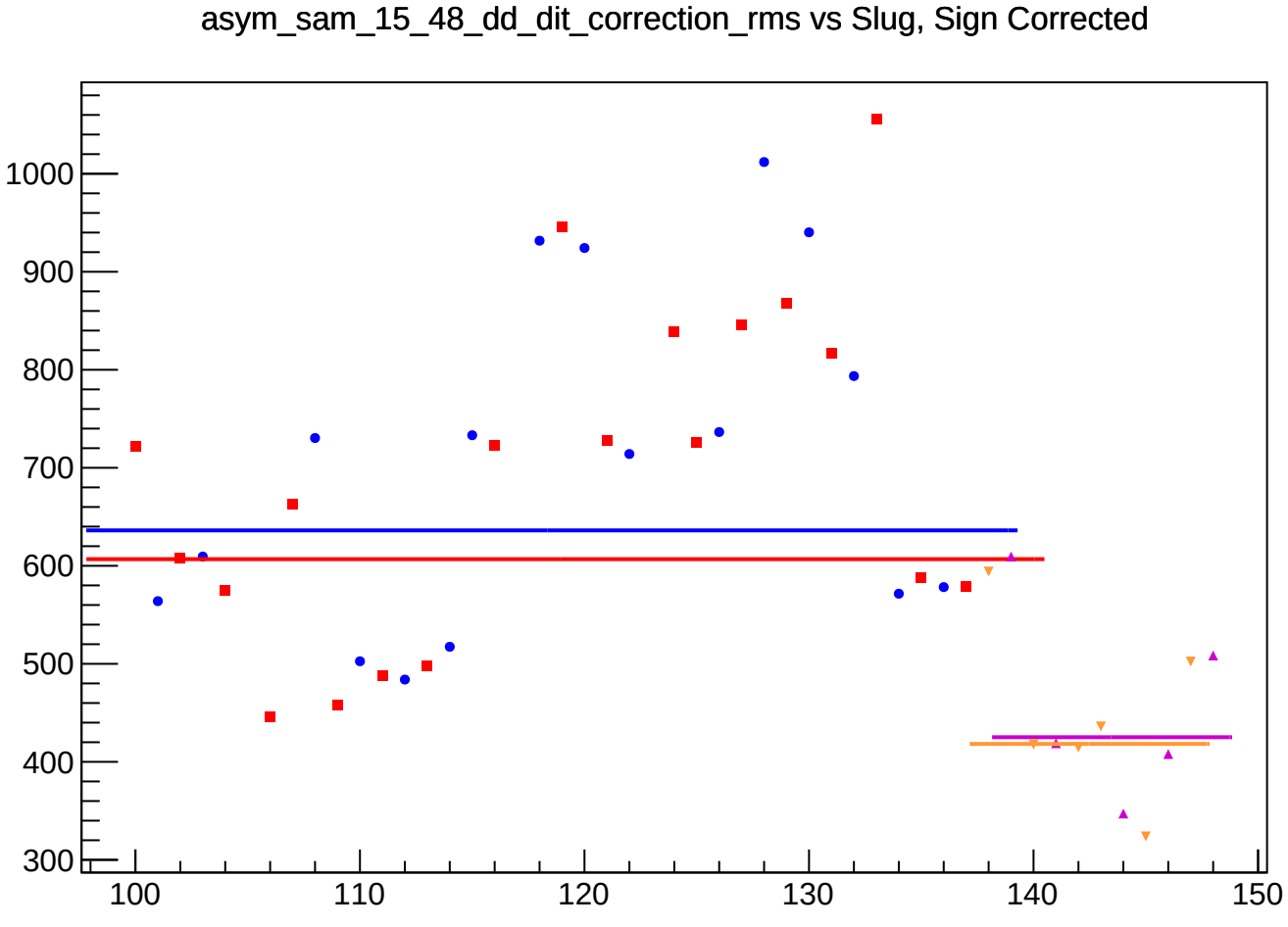
Left: 162.423+/-144.660 χ^2/NDF: 28.1/10

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -58.645+/-158.347 χ^2/NDF:27.7/20

Out: 82.684+/-151.299 χ^2/NDF:43.5/24

All: 15.235+/-109.391 χ^2/NDF: 71.7/45



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 418.277+/-0.142 χ^2/NDF:319903.5/5

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 425.100+/-0.147 χ^2/NDF:290528.4/4

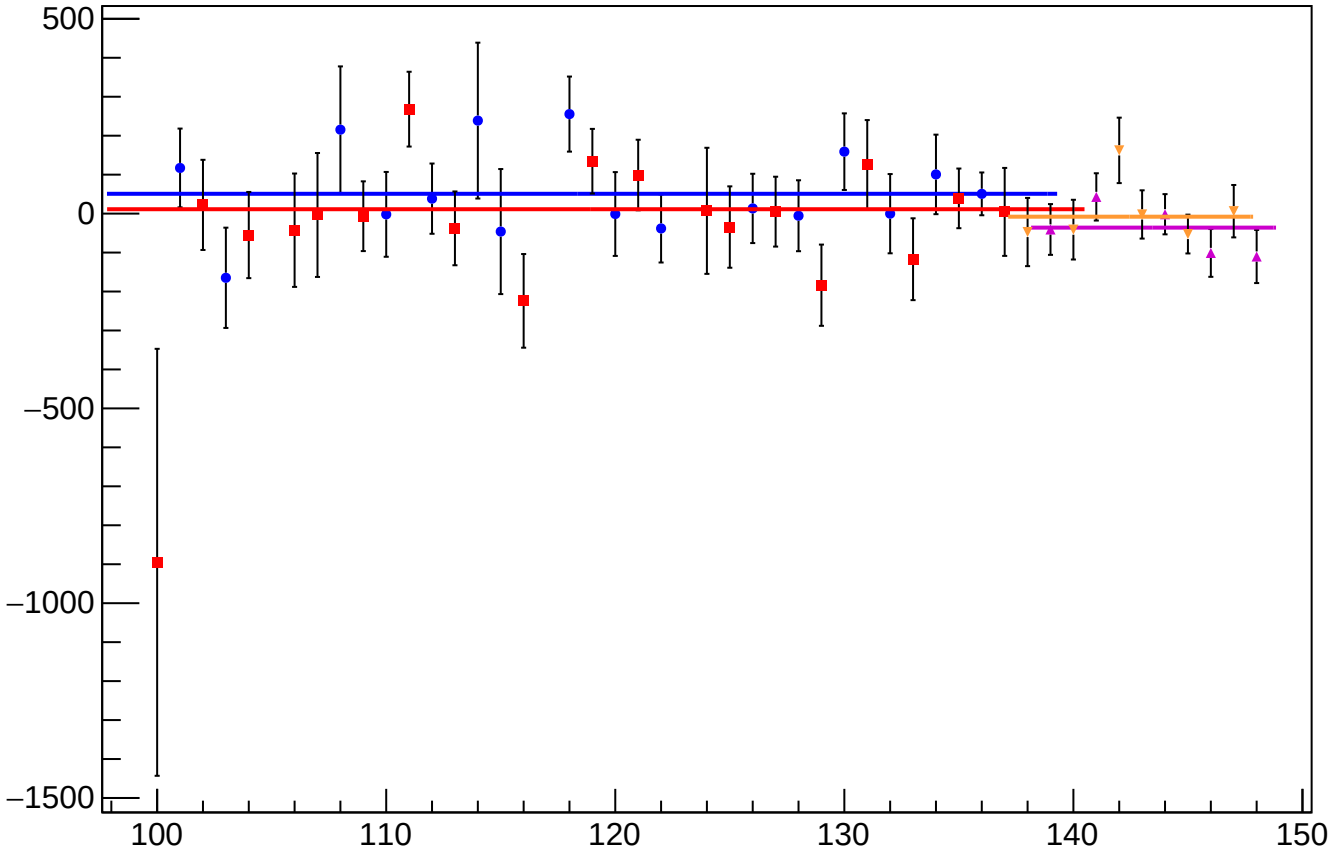
Left: 421.569+/-0.102 χ^2/NDF: 611543.2/10

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 514.130+/-0.112 χ^2/NDF:1862239.0/20

Out: 500.085+/-0.107 χ^2/NDF:1976556.3/24

All: 506.788+/-0.077 χ^2/NDF: 3847019.8/45



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.925+/-27.451 χ^2/NDF:5.3/5

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -35.983+/-27.085 χ^2/NDF:4.4/4

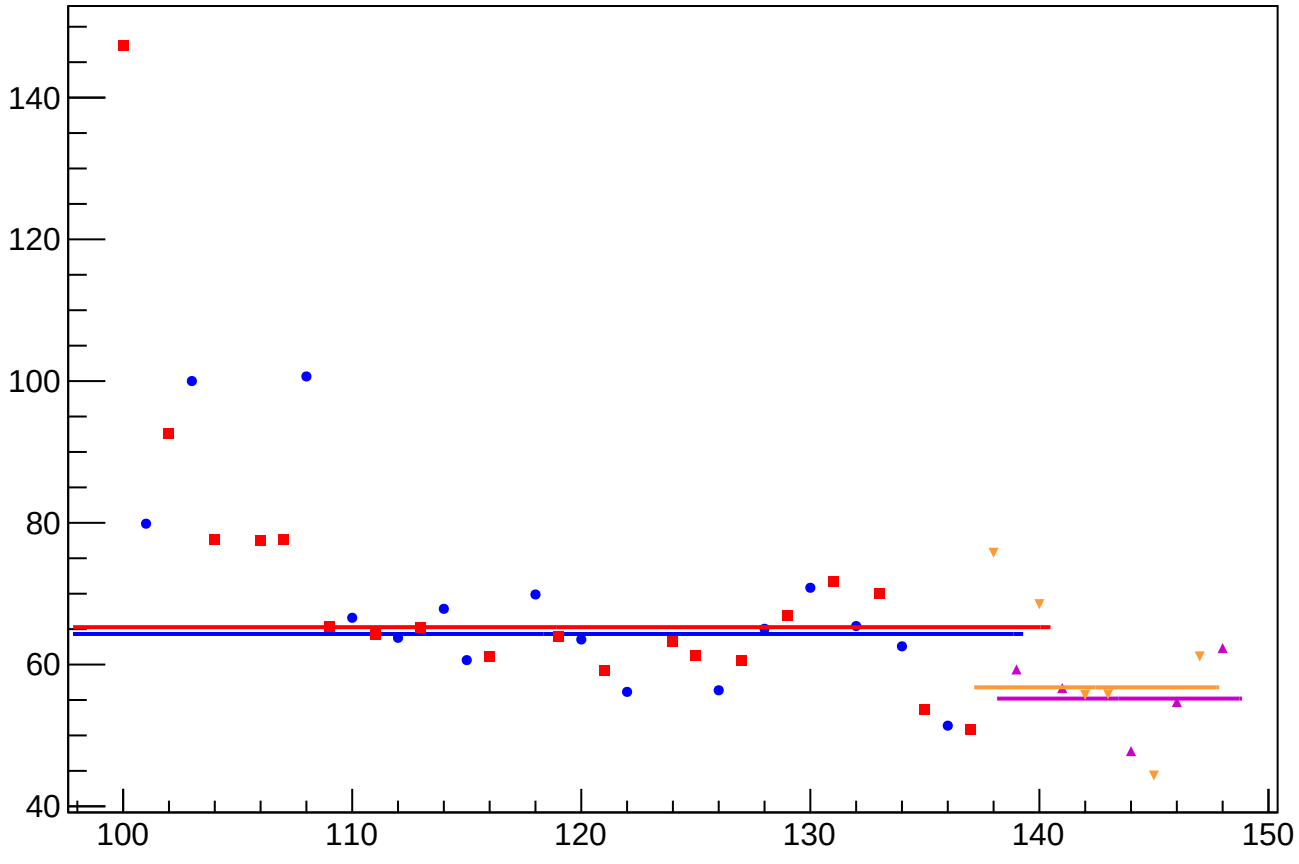
Left: -22.142+/-19.280 χ^2/NDF: 10.3/10

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 11.792+/-18.166 χ^2/NDF:23.9/20

Out: 2.822+/-18.205 χ^2/NDF:29.6/24

All: 7.317+/-12.859 χ^2/NDF: 53.7/45



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.789+/-0.019 χ^2/NDF:275074.2/5

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.200+/-0.019 χ^2/NDF:72381.2/4

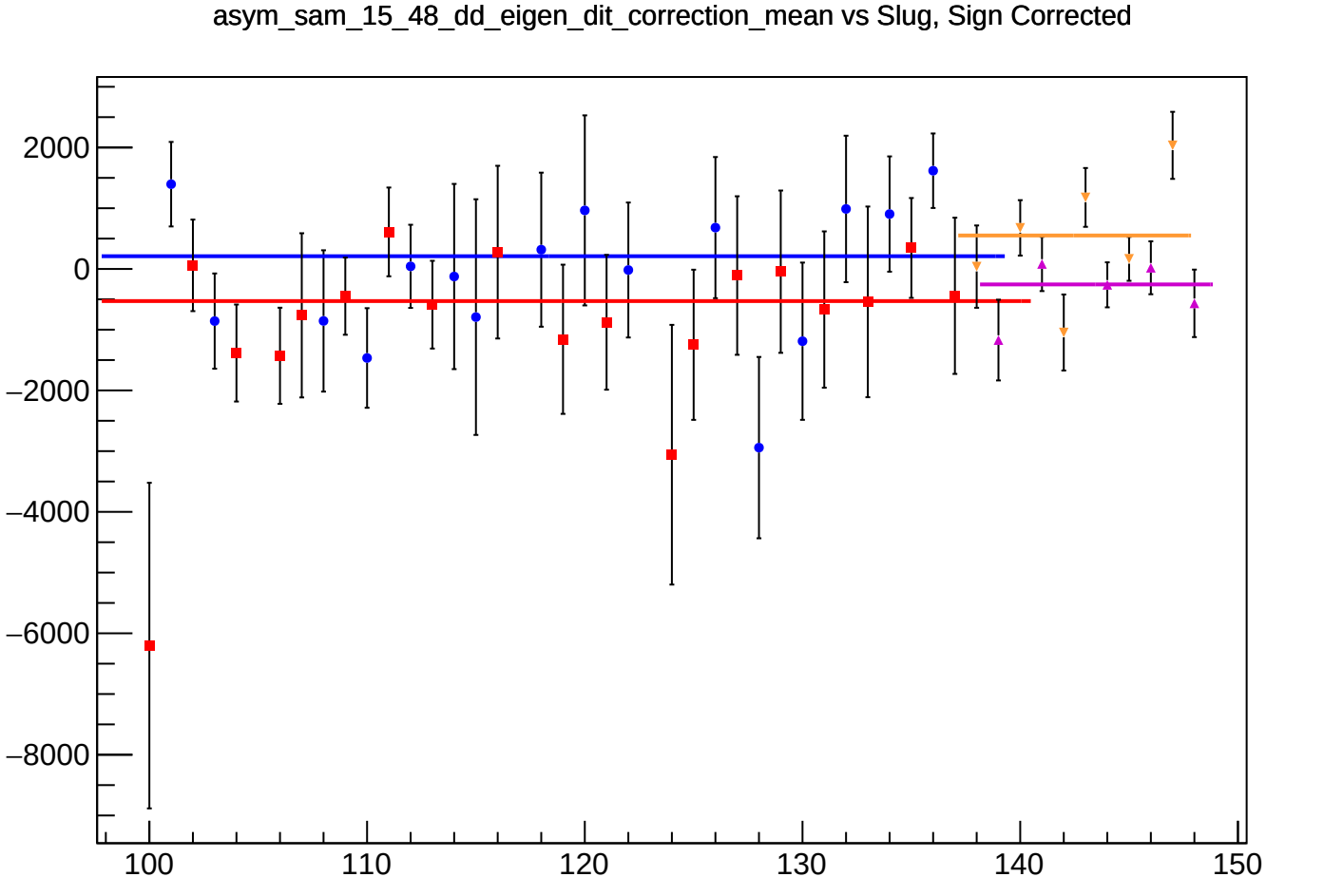
Left: 55.983+/-0.014 χ^2/NDF: 350852.1/10

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 60.215+/-0.013 χ^2/NDF:662009.5/20

Out: 61.544+/-0.013 χ^2/NDF:701342.0/24

All: 60.878+/-0.009 χ^2/NDF: 1368687.9/45



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.347+/-201.096 χ^2/NDF:17.2/5

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -254.676+/-208.252 χ^2/NDF:3.2/4

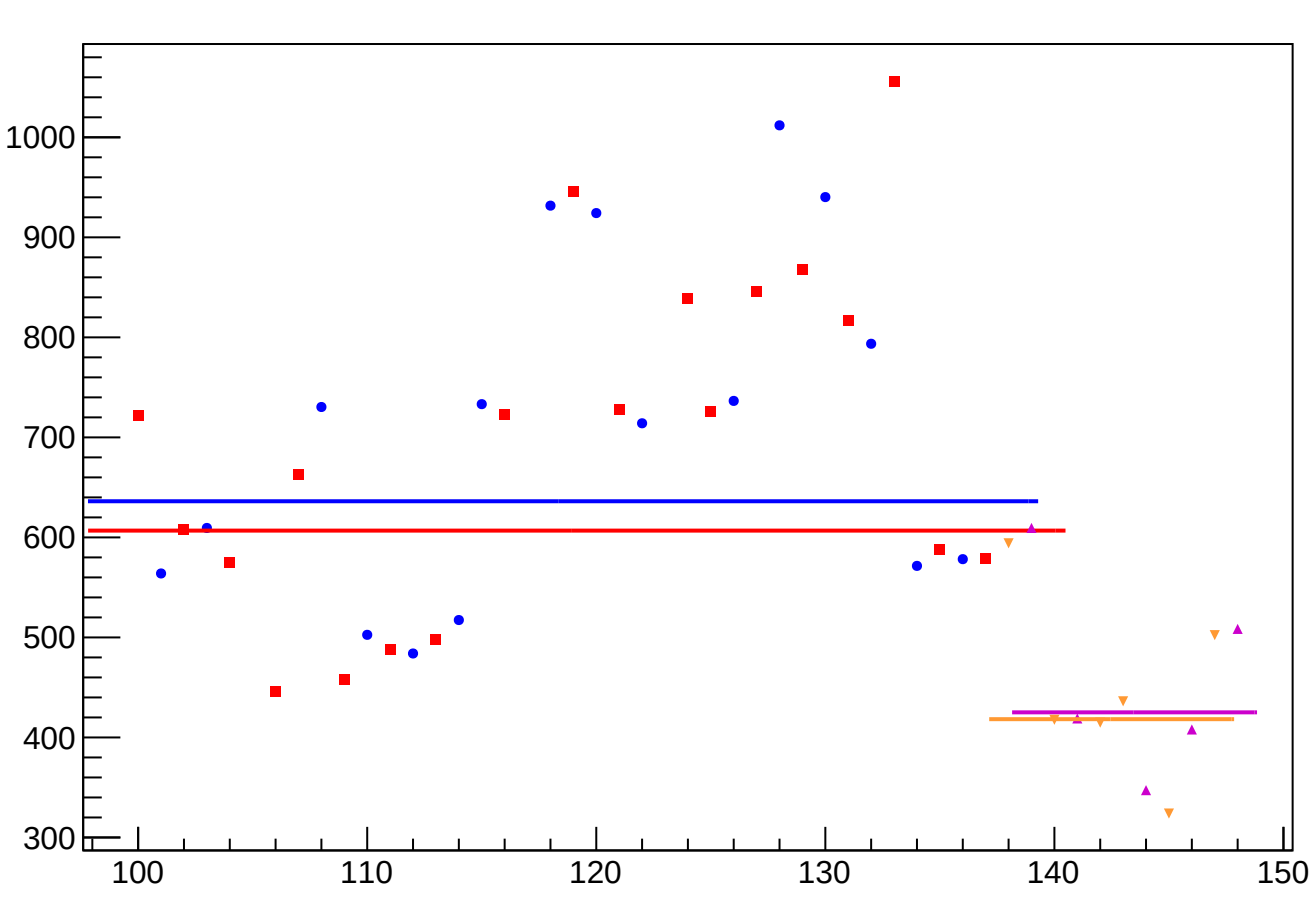
Left: 162.423+/-144.660 χ^2/NDF: 28.1/10

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -58.645+/-158.347 χ^2/NDF:27.7/20

Out: 82.685+/-151.298 χ^2/NDF:43.5/24

All: 15.235+/-109.391 χ^2/NDF: 71.7/45



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 418.275+/-0.142 χ^2/NDF:319906.8/5

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 425.100+/-0.147 χ^2/NDF:290529.1/4

Left: 421.568+/-0.102 χ^2/NDF: 611547.3/10

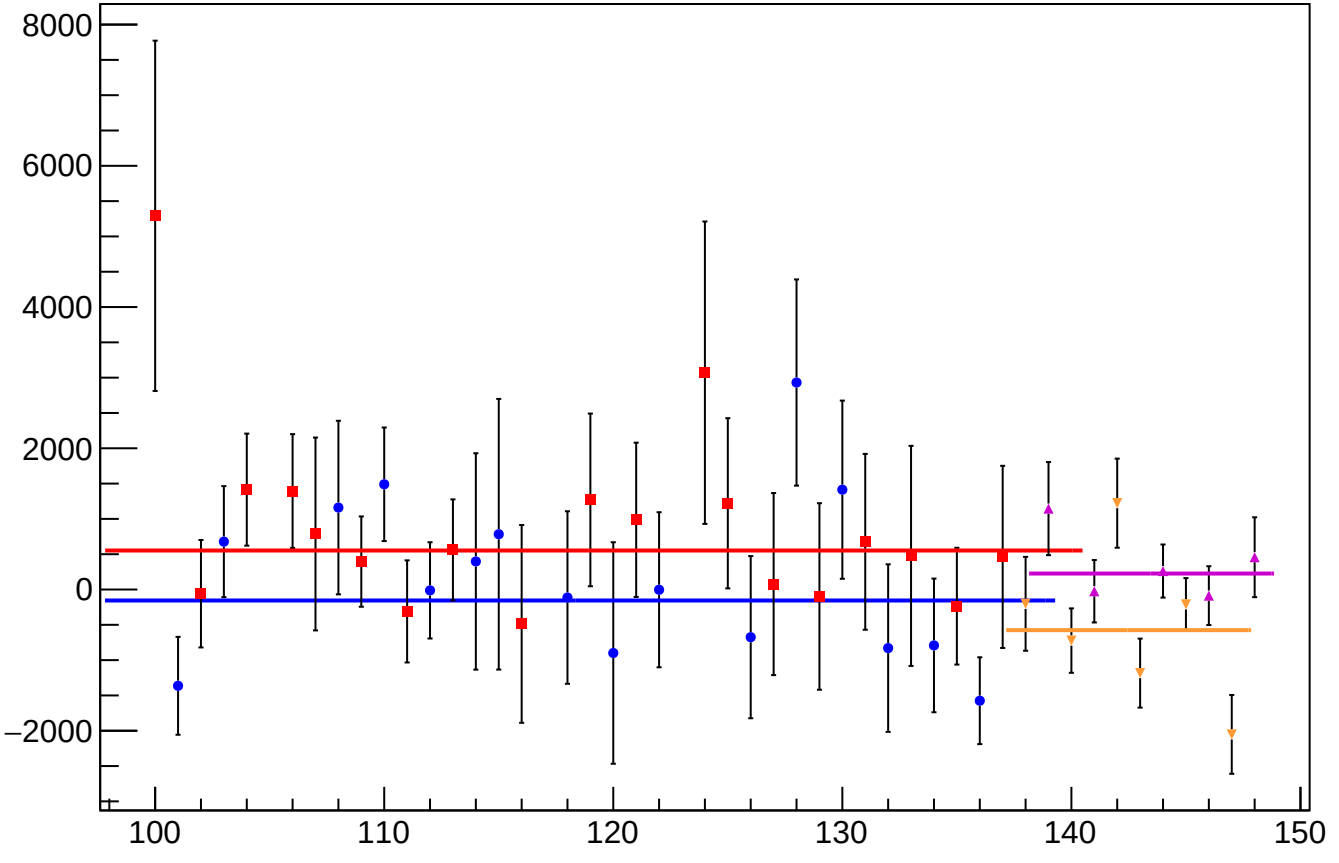
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 514.129+/-0.112 χ^2/NDF:1862245.0/20

Out: 500.084+/-0.107 χ^2/NDF:1976568.2/24

All: 506.787+/-0.077 χ^2/NDF: 3847037.9/45

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -575.586+/-203.242 χ^2/NDF:18.1/5

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 226.154+/-206.774 χ^2/NDF:3.0/4

Left: -181.623+/-144.946 χ^2/NDF: 28.7/10

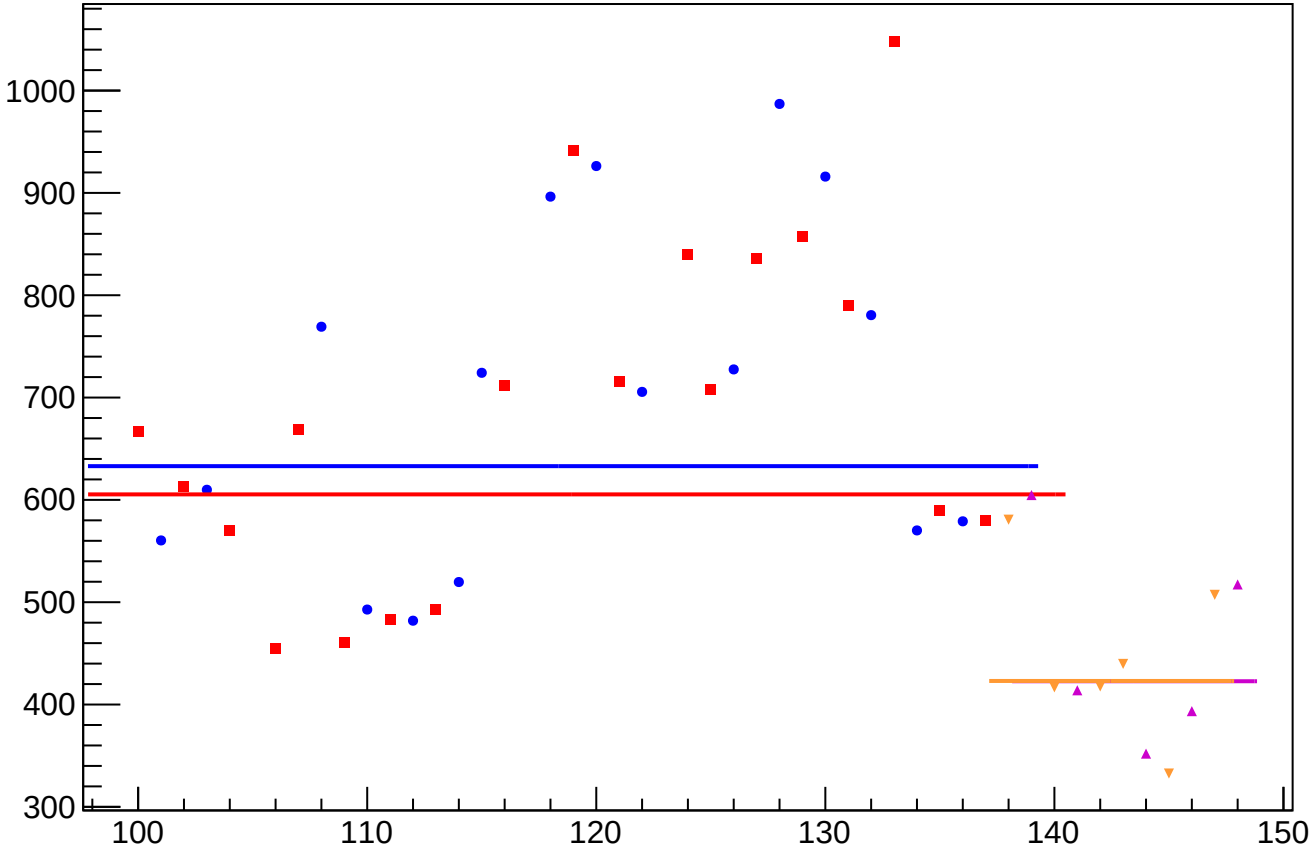
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 65.494+/-157.367 χ^2/NDF:26.9/20

Out: -78.406+/-151.976 χ^2/NDF:43.8/24

All: -8.963+/-109.320 χ^2/NDF: 71.1/45

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 423.034+/-0.144 χ^2/NDF:279047.1/5

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 422.763+/-0.146 χ^2/NDF:289656.7/4

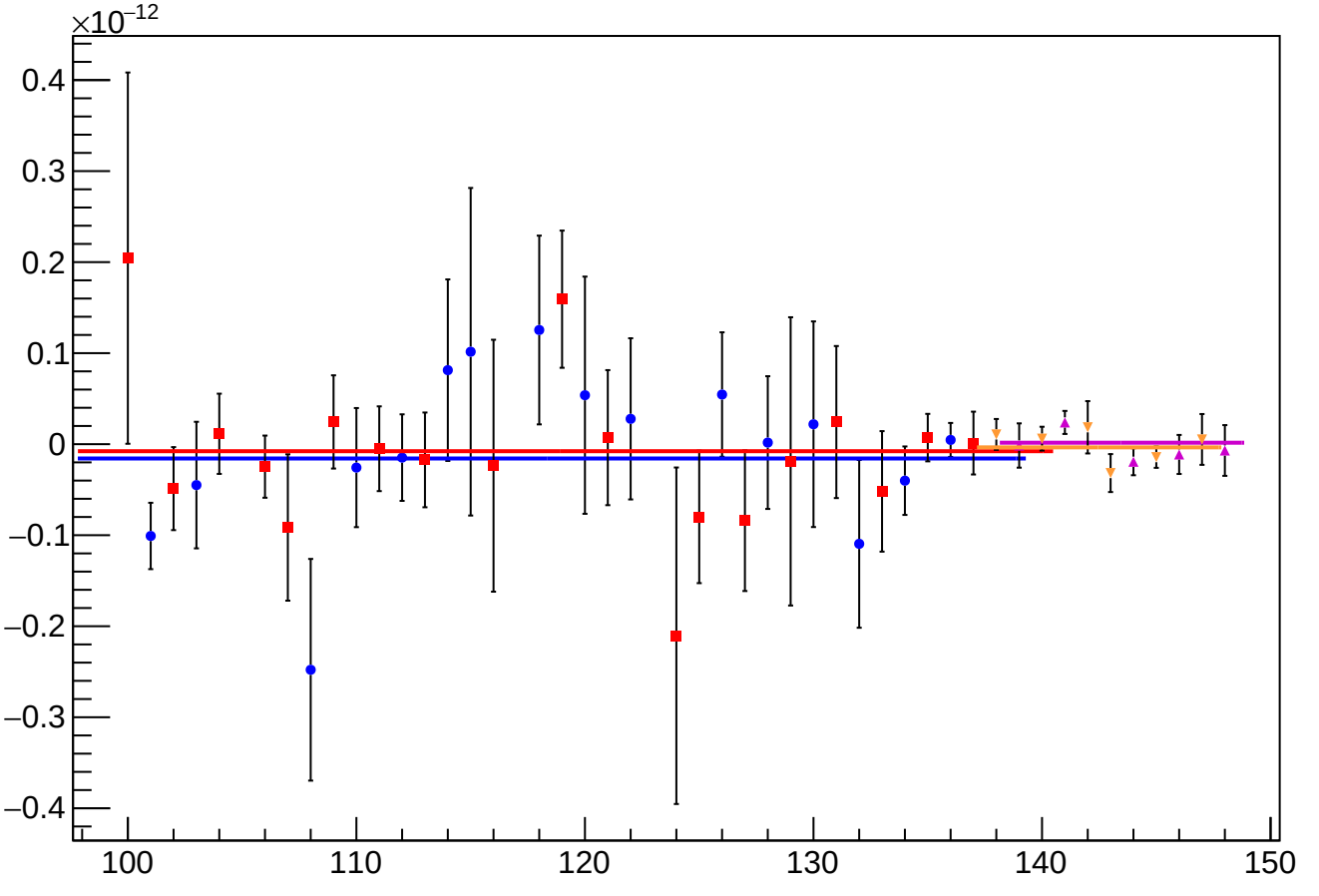
Left: 422.901+/-0.102 χ^2/NDF: 568705.5/10

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 511.214+/-0.111 χ^2/NDF:1840517.3/20

Out: 503.419+/-0.107 χ^2/NDF:1842715.0/24

All: 507.181+/-0.077 χ^2/NDF: 3685771.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/4

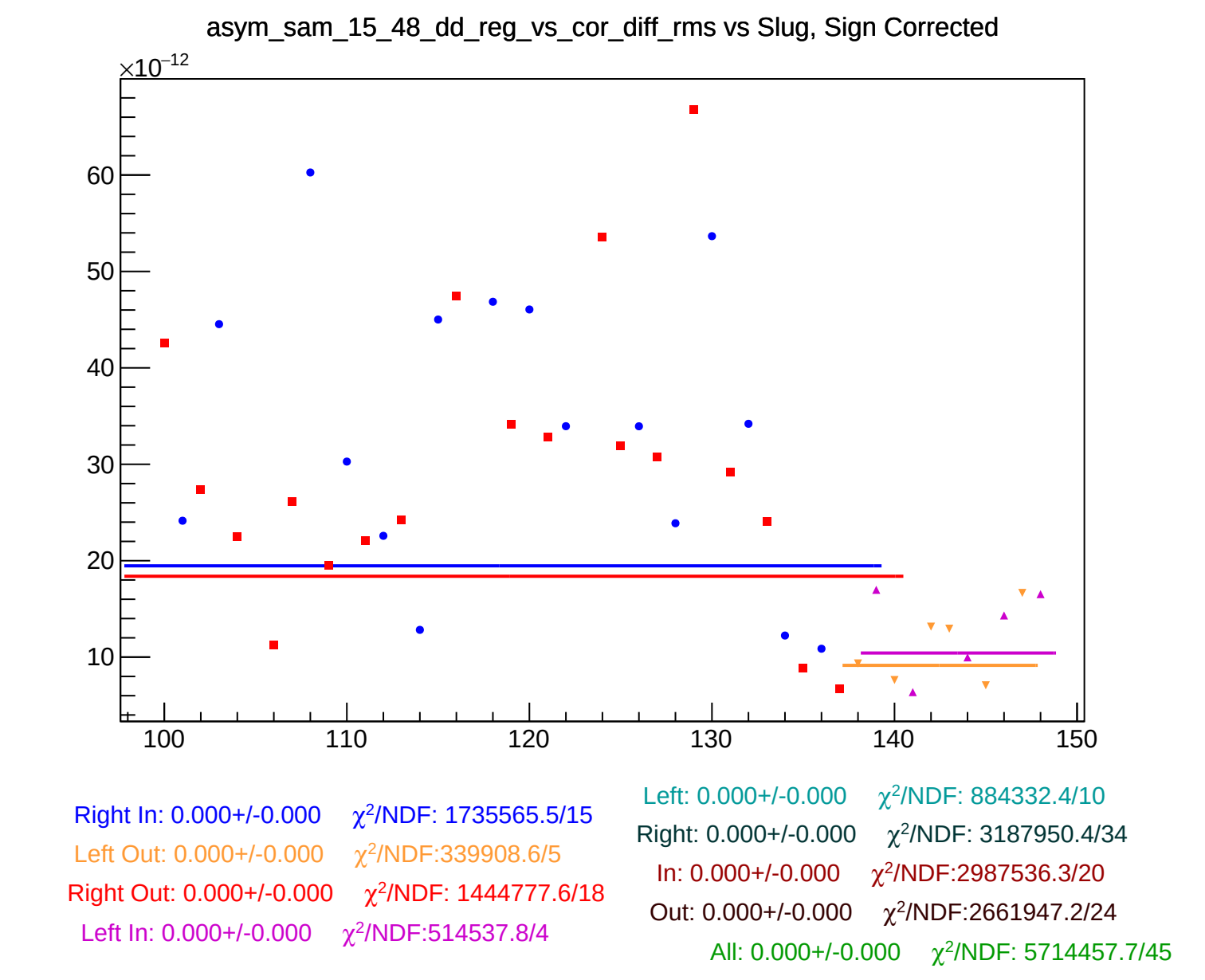
Left: -0.000+/-0.000 χ^2/NDF: 10.4/10

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

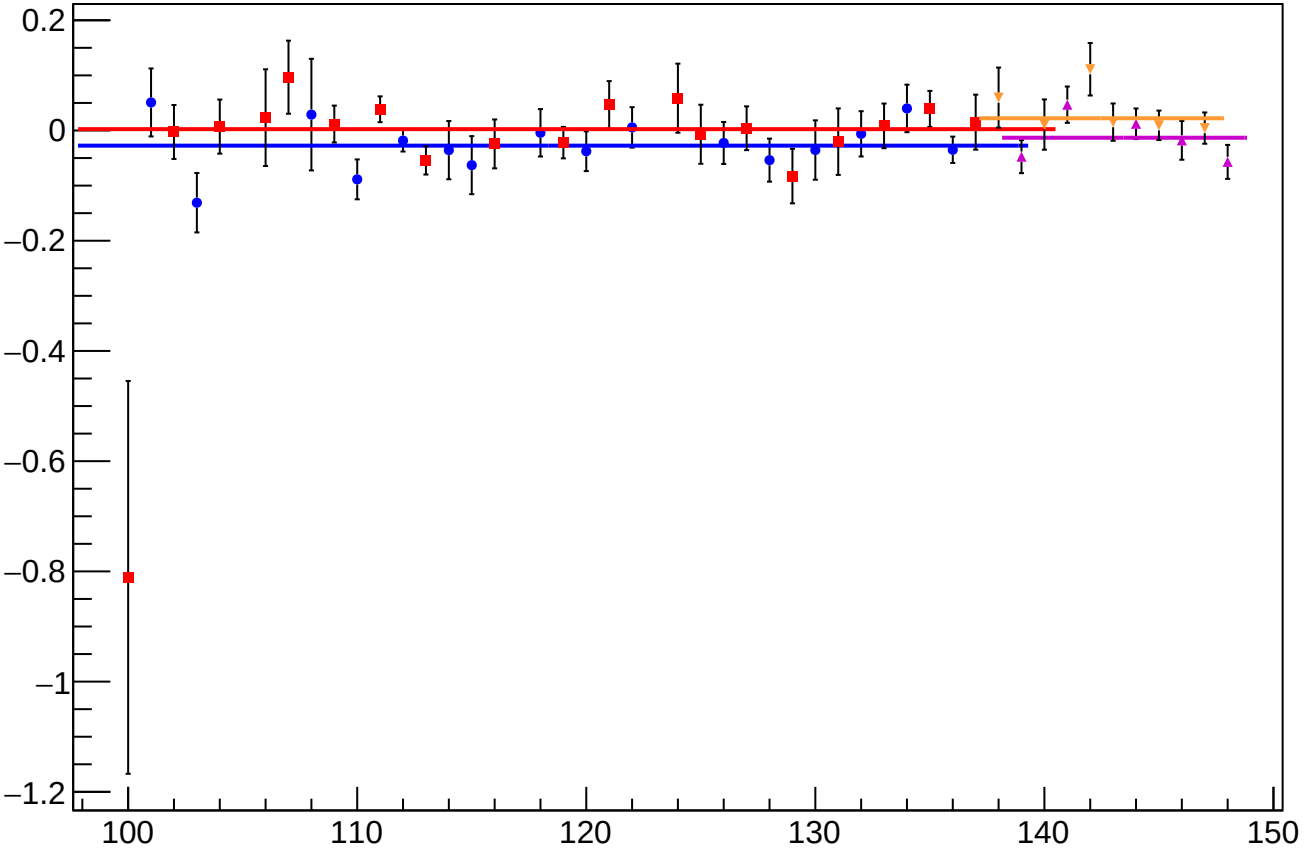
In: -0.000+/-0.000 χ^2/NDF:23.8/20

Out: -0.000+/-0.000 χ^2/NDF:17.7/24

All: -0.000+/-0.000 χ^2/NDF: 41.5/45


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:339908.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:514537.8/4
Left: 0.000+/-0.000 χ²/NDF: 884332.4/10
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:2987536.3/20
Out: 0.000+/-0.000 χ²/NDF:2661947.2/24
All: 0.000+/-0.000 χ²/NDF: 5714457.7/45

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.013+/-0.014 χ^2/NDF:7.5/4

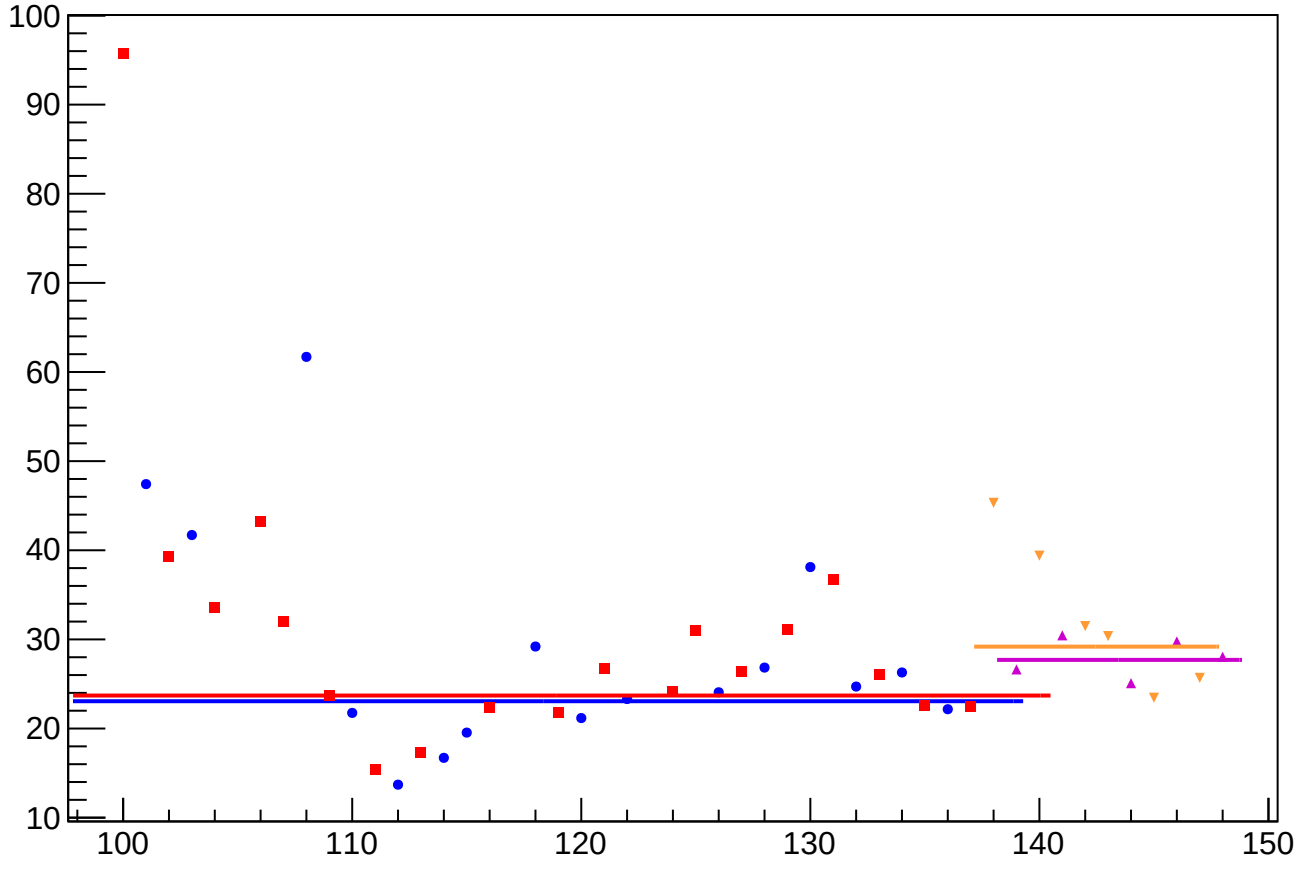
Left: 0.004+/-0.010 χ^2/NDF: 15.3/10

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.023+/-0.008 χ^2/NDF:21.9/20

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.007+/-0.006 χ^2/NDF: 58.0/45



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 29.190+/-0.010 χ^2/NDF:405105.8/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

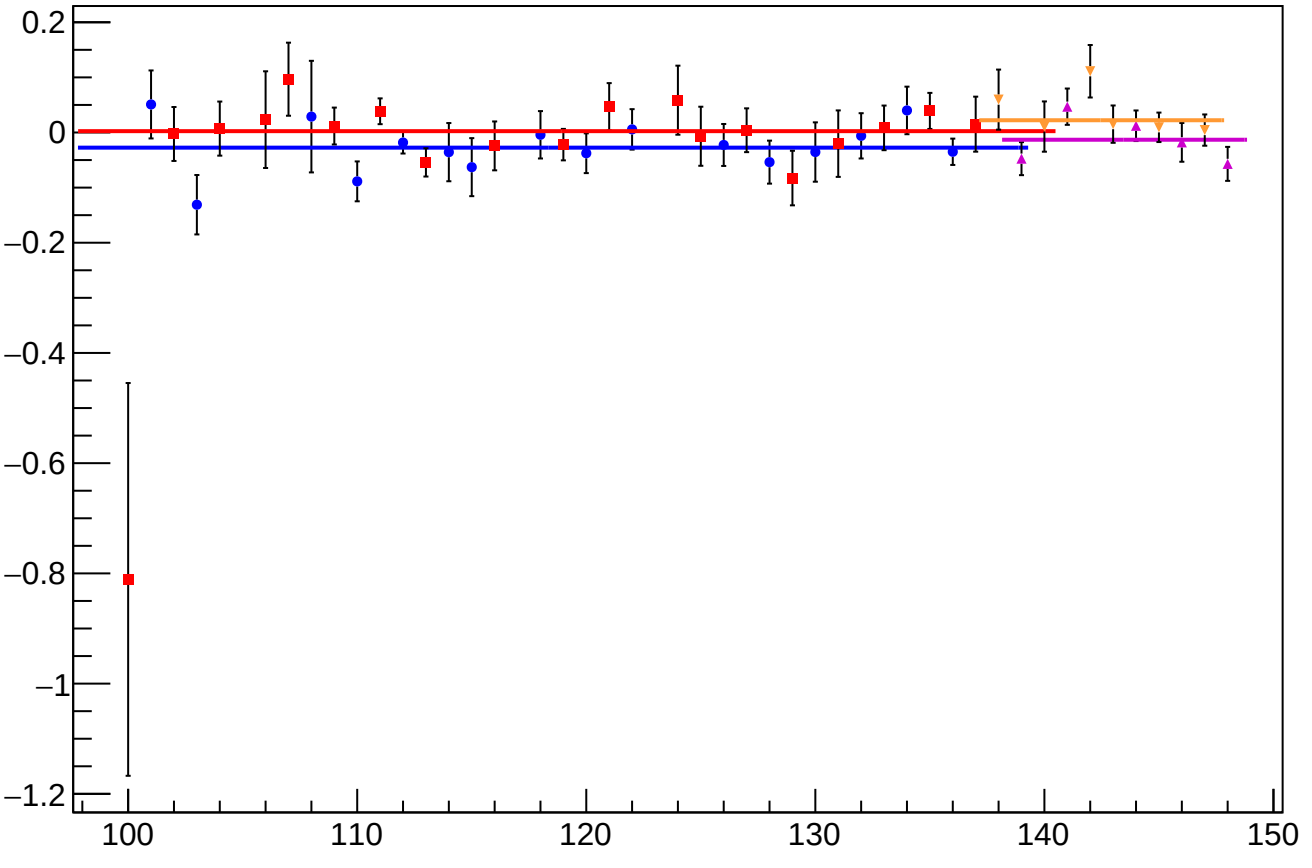
Left: 28.415+/-0.007 χ^2/NDF: 457600.6/10

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.524+/-0.006 χ^2/NDF:1759183.6/20

Out: 25.304+/-0.006 χ^2/NDF:1697180.0/24

All: 24.912+/-0.004 χ^2/NDF: 3466373.2/45



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.013+/-0.014 χ^2/NDF:7.5/4

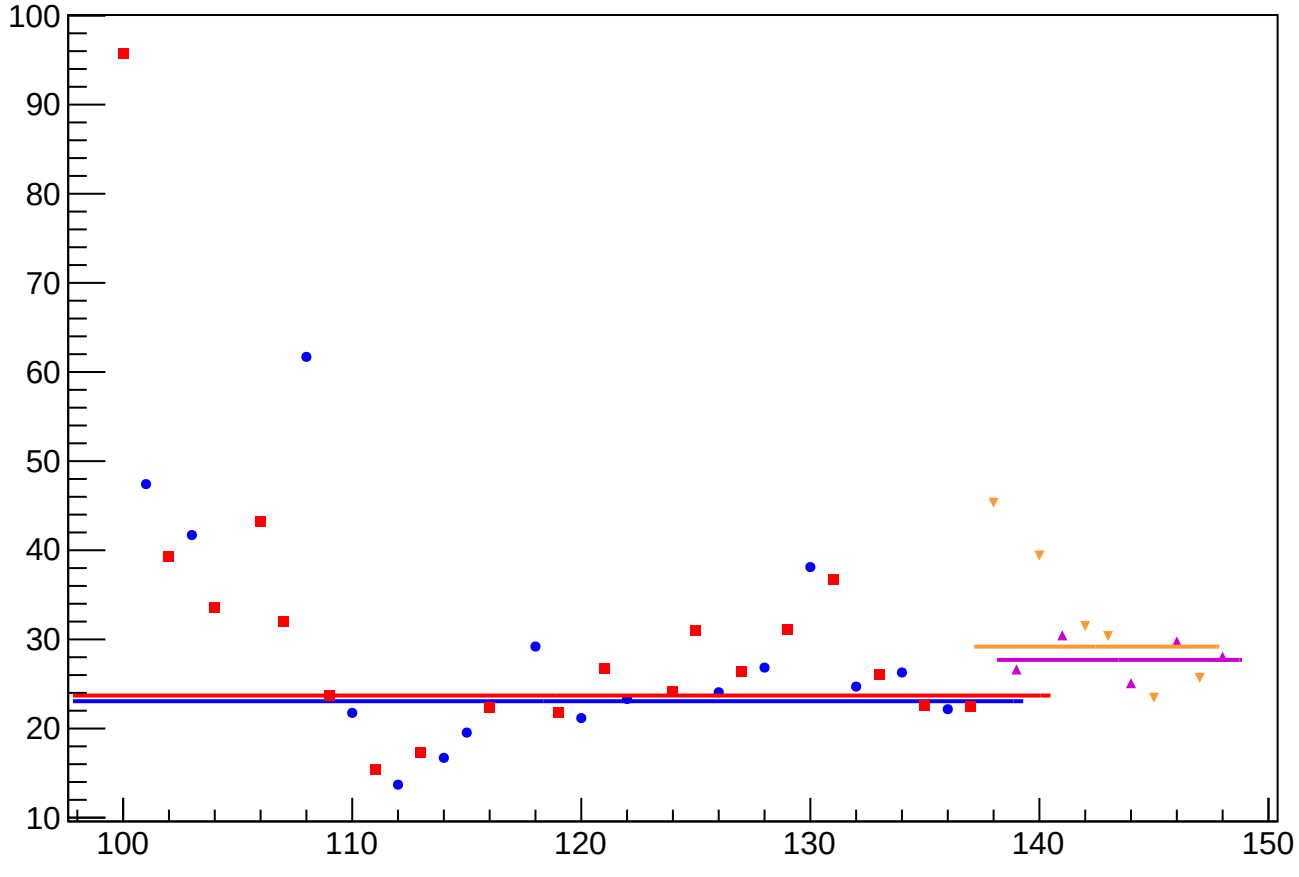
Left: 0.004+/-0.010 χ^2/NDF: 15.3/10

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.023+/-0.008 χ^2/NDF:21.9/20

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.007+/-0.006 χ^2/NDF: 58.0/45



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 29.190+/-0.010 χ^2/NDF:405105.8/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

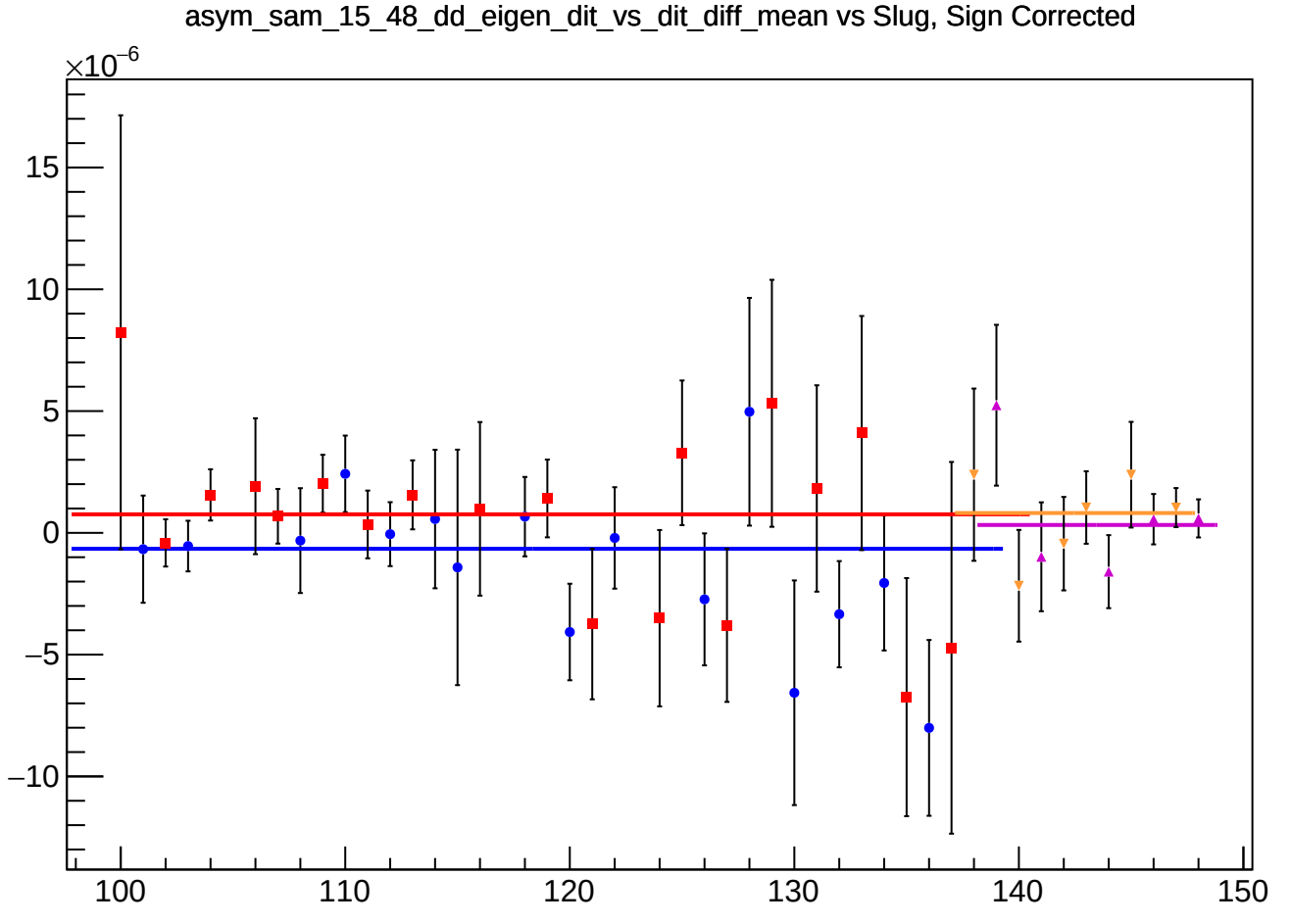
Left: 28.415+/-0.007 χ^2/NDF: 457600.6/10

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.524+/-0.006 χ^2/NDF:1759183.6/20

Out: 25.304+/-0.006 χ^2/NDF:1697180.0/24

All: 24.912+/-0.004 χ^2/NDF: 3466373.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/4

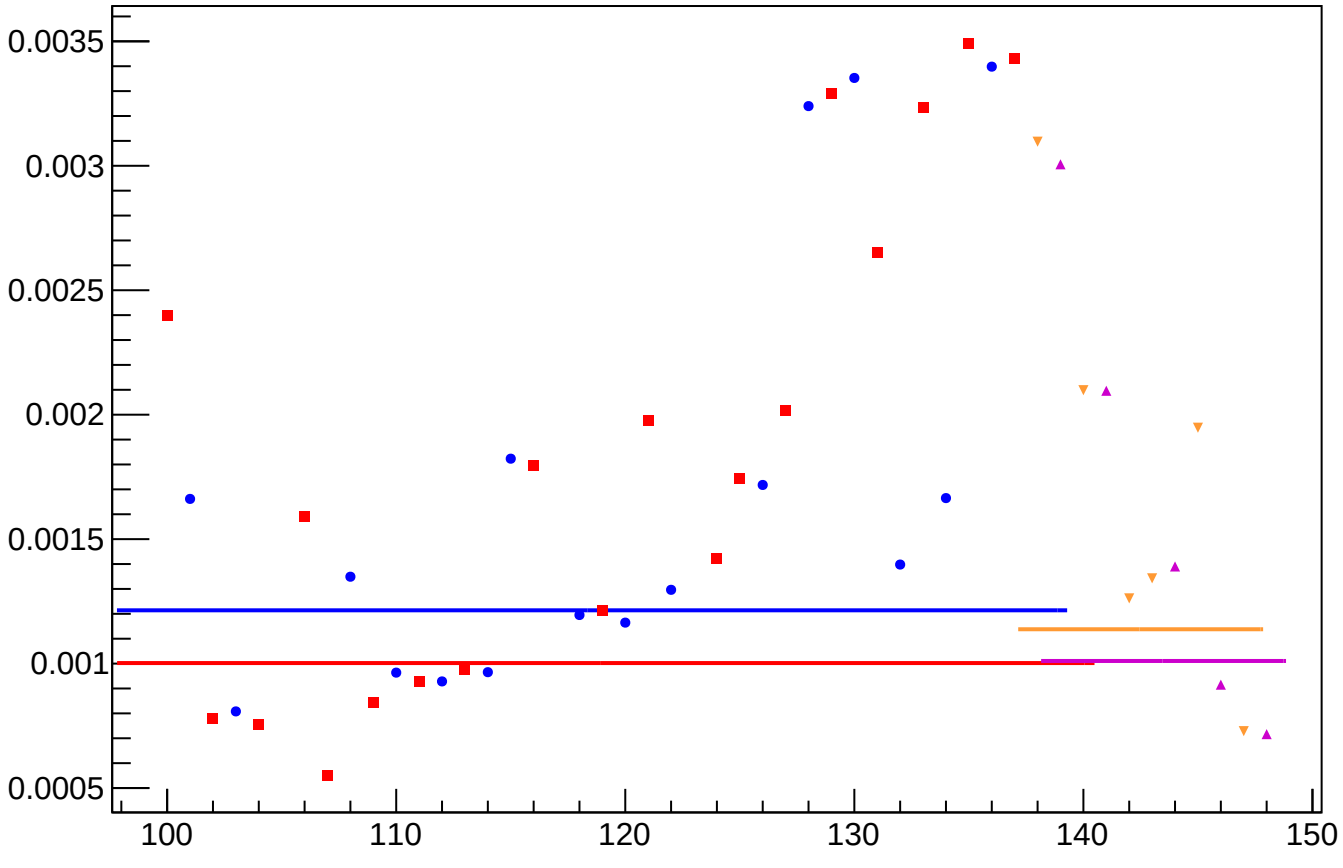
Left: 0.000+/-0.000 χ^2/NDF: 7.7/10

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:23.7/20

Out: 0.000+/-0.000 χ^2/NDF:18.1/24

All: 0.000+/-0.000 χ^2/NDF: 45.6/45



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1811641.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1630146.4/4

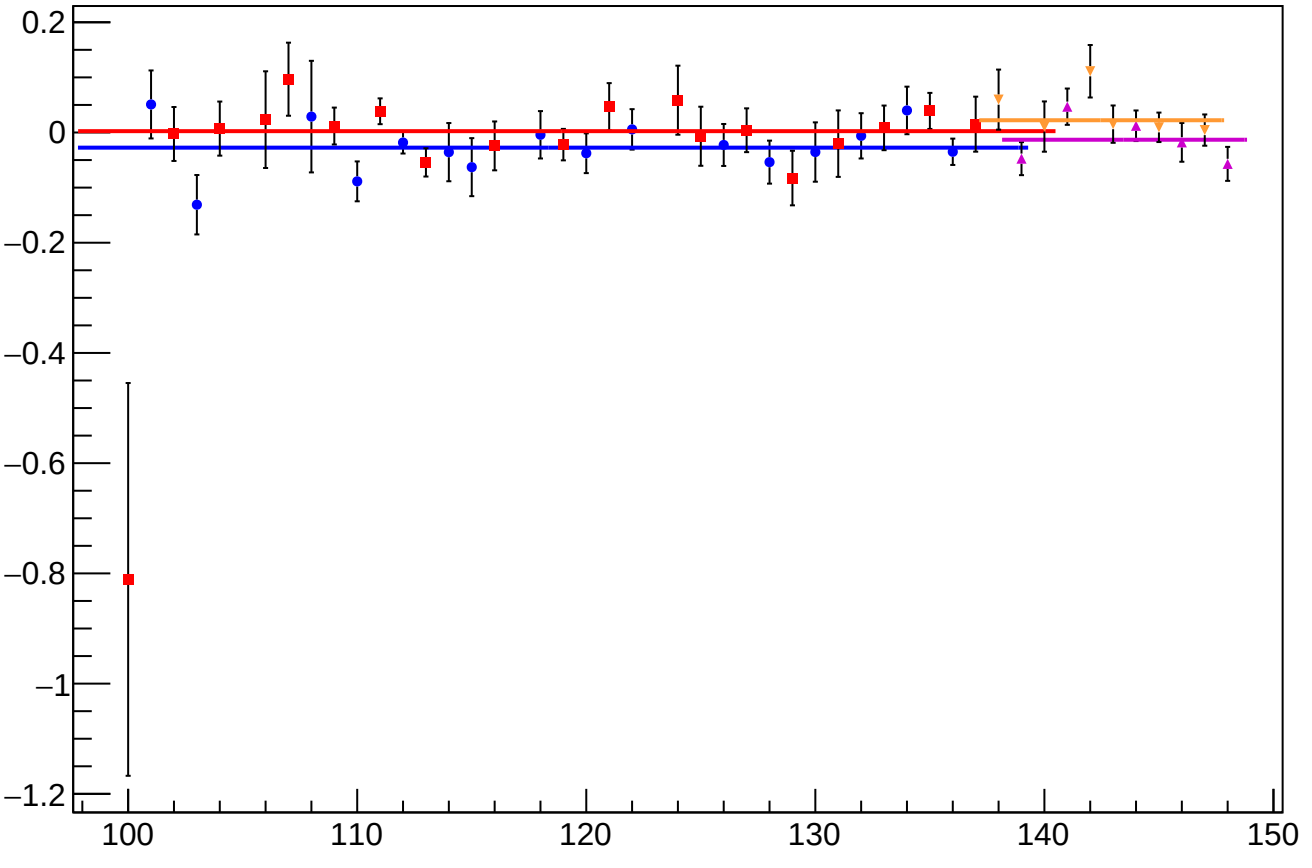
Left: 0.001+/-0.000 χ^2/NDF: 3490664.6/10

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:4047678.0/20

Out: 0.001+/-0.000 χ^2/NDF:5157477.9/24

All: 0.001+/-0.000 χ^2/NDF: 9249888.7/45



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.013+/-0.014 χ^2/NDF:7.5/4

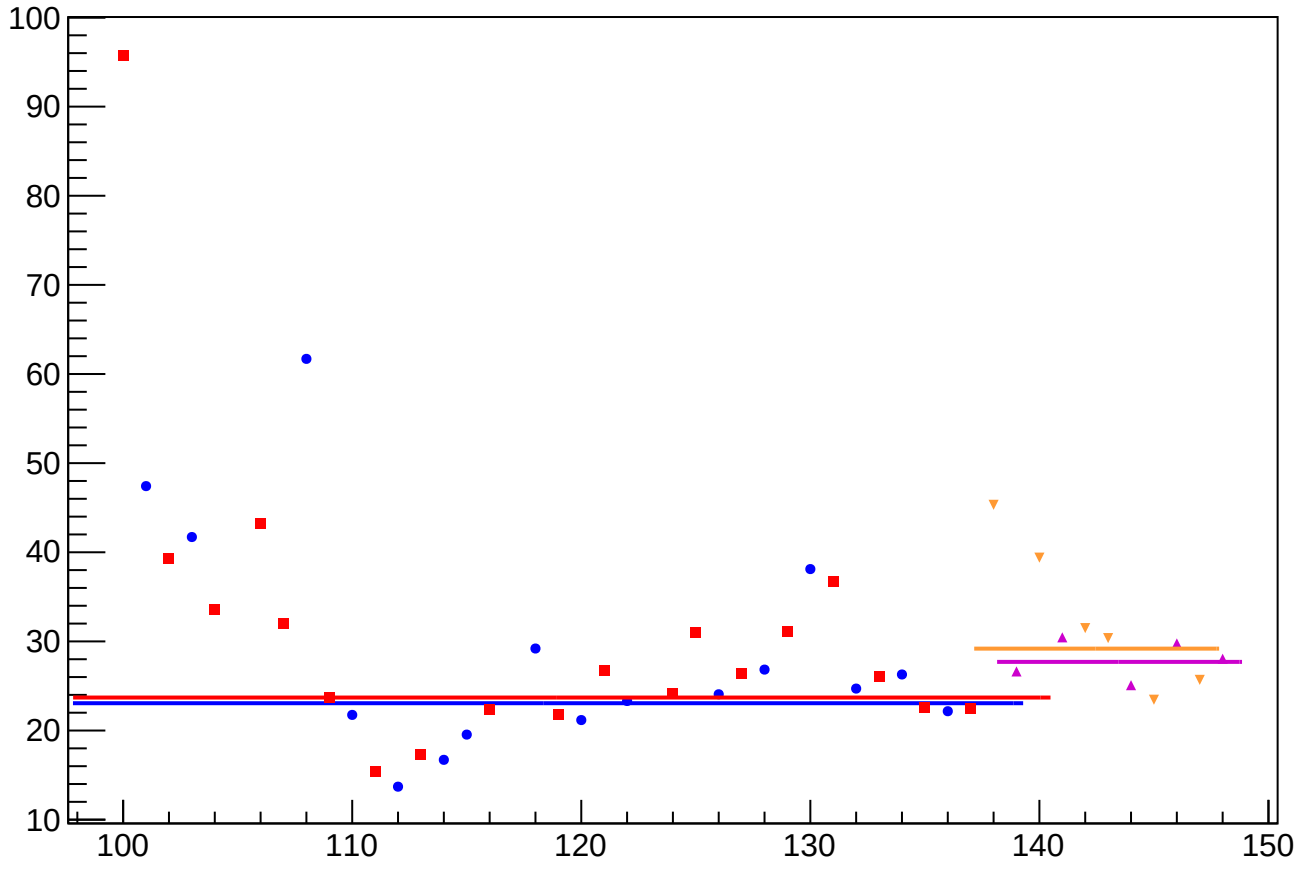
Left: 0.004+/-0.010 χ^2/NDF: 15.3/10

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.023+/-0.008 χ^2/NDF:21.9/20

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.007+/-0.006 χ^2/NDF: 58.0/45



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

Left: 28.415+/-0.007 χ^2/NDF: 457566.9/10

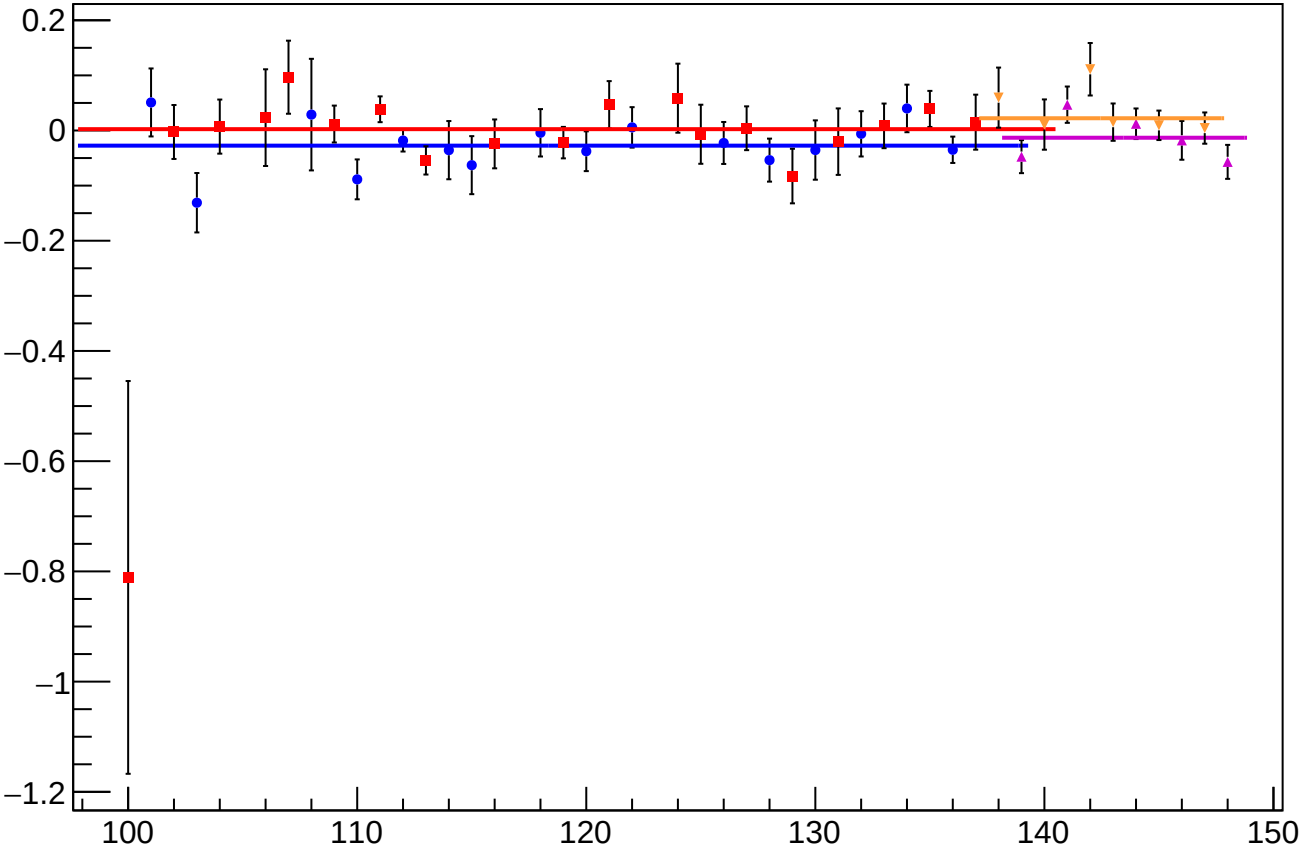
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.523+/-0.006 χ^2/NDF:1759212.4/20

Out: 25.304+/-0.006 χ^2/NDF:1697218.0/24

All: 24.911+/-0.004 χ^2/NDF: 3466441.2/45

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.013+/-0.014 χ^2/NDF:7.5/4

Left: 0.004+/-0.010 χ^2/NDF: 15.3/10

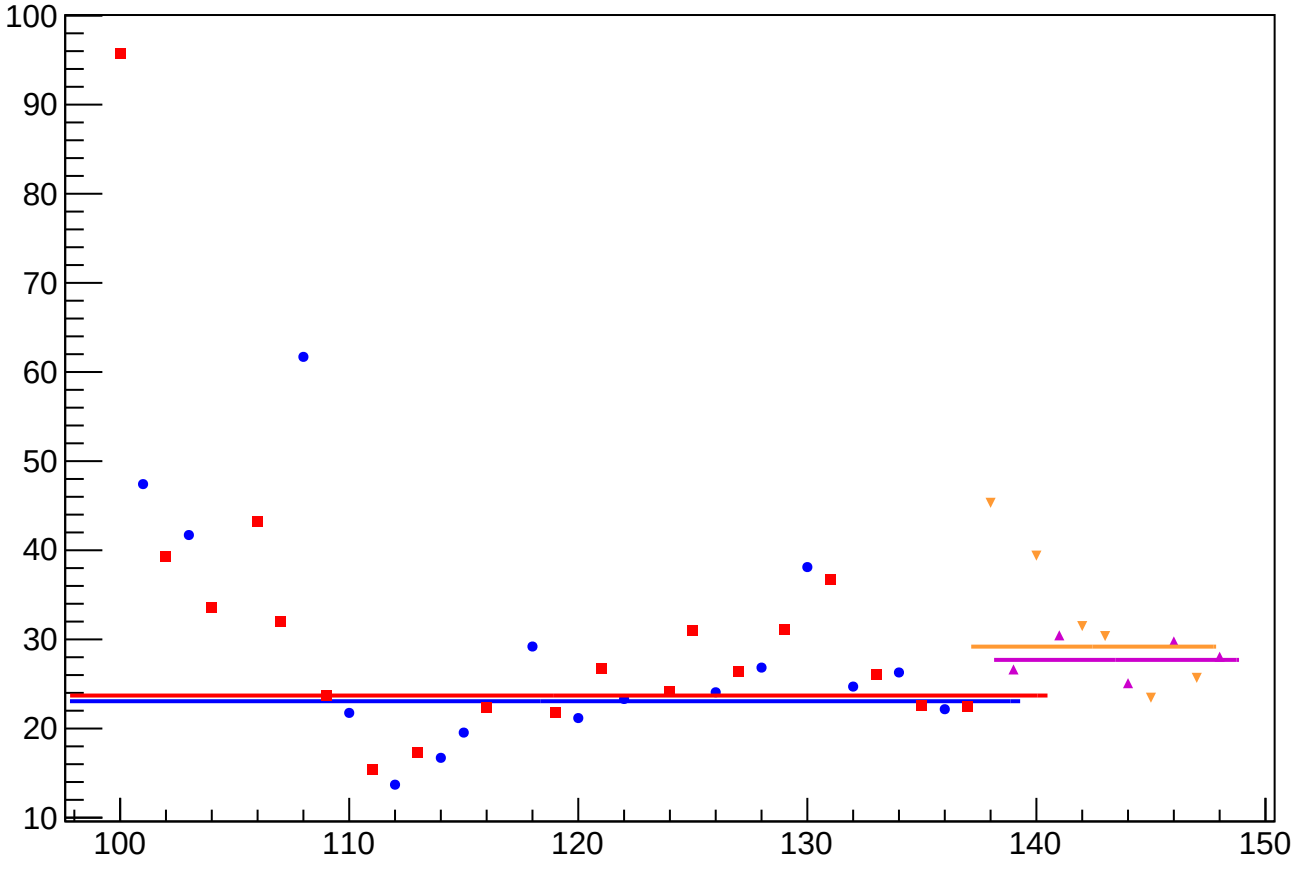
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.023+/-0.008 χ^2/NDF:21.9/20

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.007+/-0.006 χ^2/NDF: 58.0/45

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

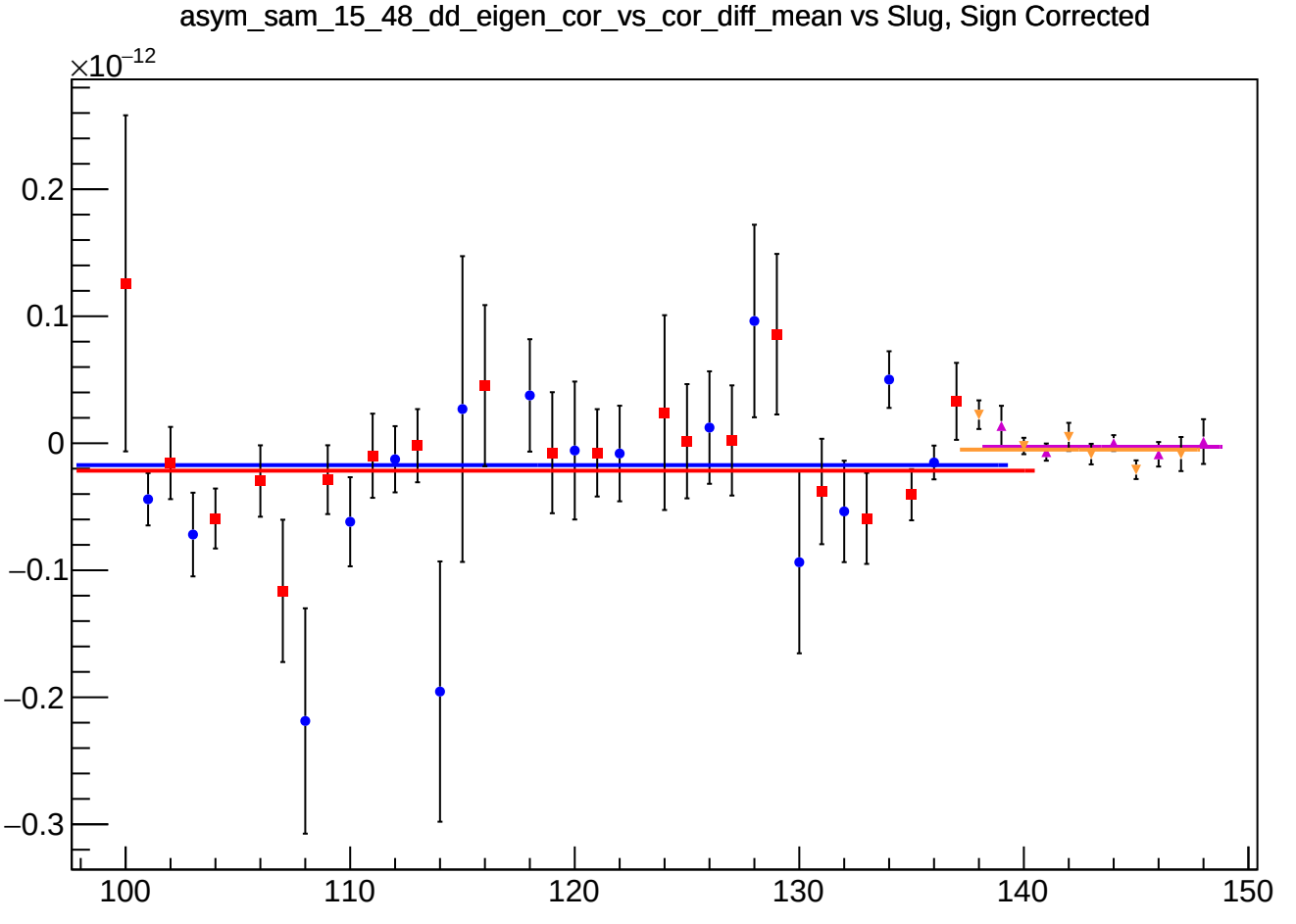
Left: 28.415+/-0.007 χ^2/NDF: 457566.9/10

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.523+/-0.006 χ^2/NDF:1759212.4/20

Out: 25.304+/-0.006 χ^2/NDF:1697218.0/24

All: 24.911+/-0.004 χ^2/NDF: 3466441.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

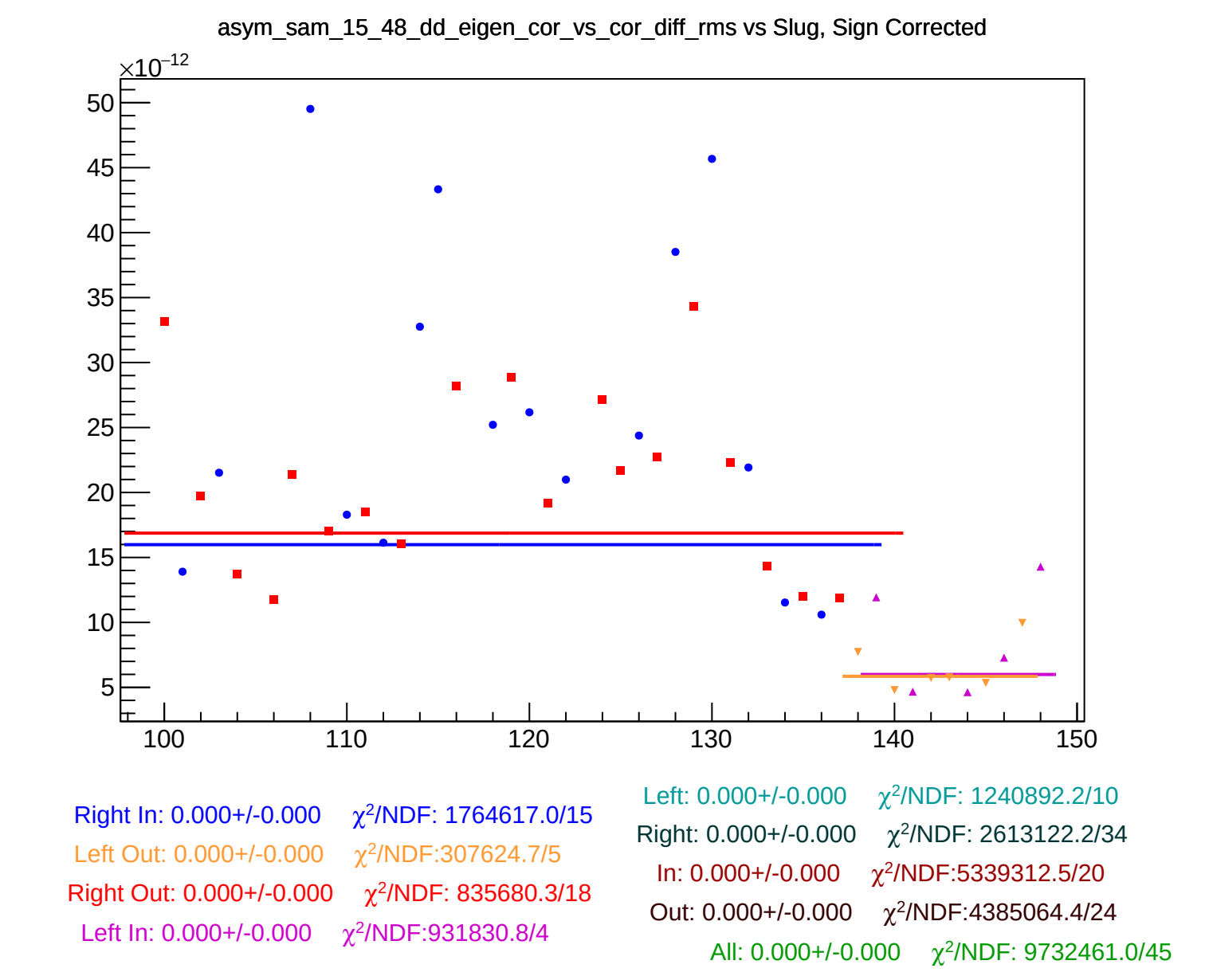
Left: -0.000+/-0.000 χ^2/NDF: 14.1/10

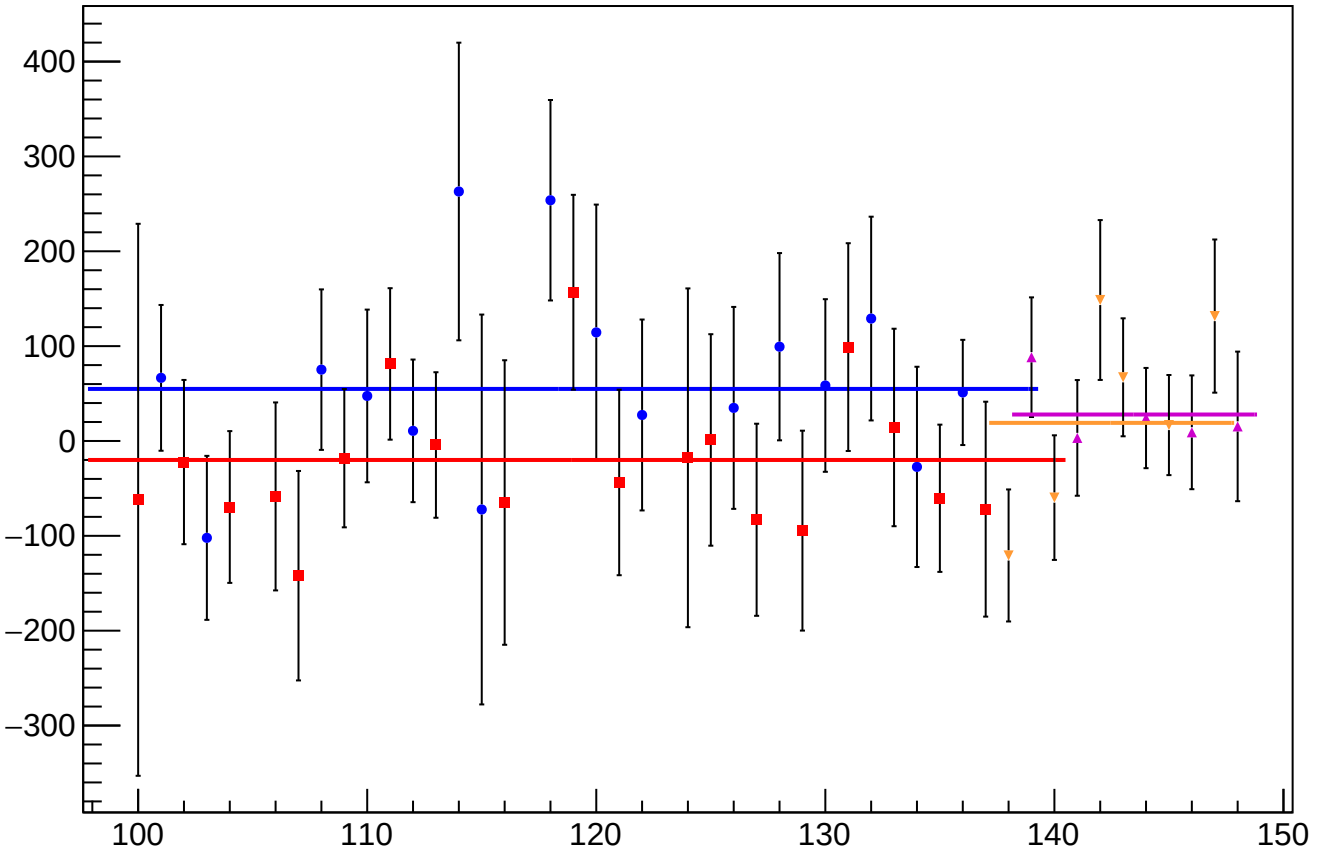
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:34.7/20

Out: -0.000+/-0.000 χ^2/NDF:33.5/24

All: -0.000+/-0.000 χ^2/NDF: 68.4/45


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:307624.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:931830.8/4
Left: 0.000+/-0.000 χ²/NDF: 1240892.2/10
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5339312.5/20
Out: 0.000+/-0.000 χ²/NDF:4385064.4/24
All: 0.000+/-0.000 χ²/NDF: 9732461.0/45



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.083+/-27.217 χ^2/NDF:10.4/5

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 27.903+/-27.554 χ^2/NDF:1.2/4

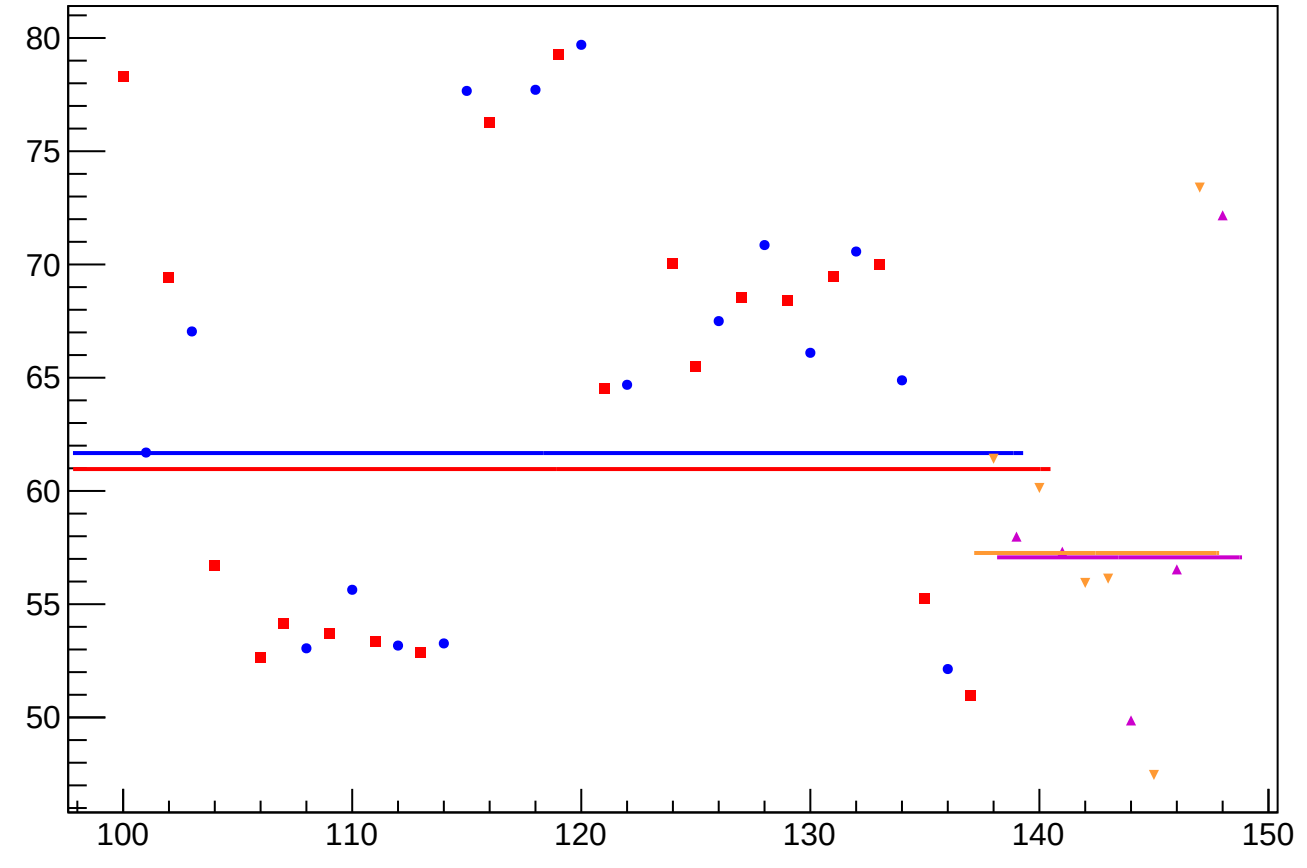
Left: 23.439+/-19.363 χ^2/NDF: 11.6/10

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 43.703+/-17.737 χ^2/NDF:12.8/20

Out: -4.086+/-17.374 χ^2/NDF:20.8/24

All: 19.314+/-12.412 χ^2/NDF: 37.3/45



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.5/4

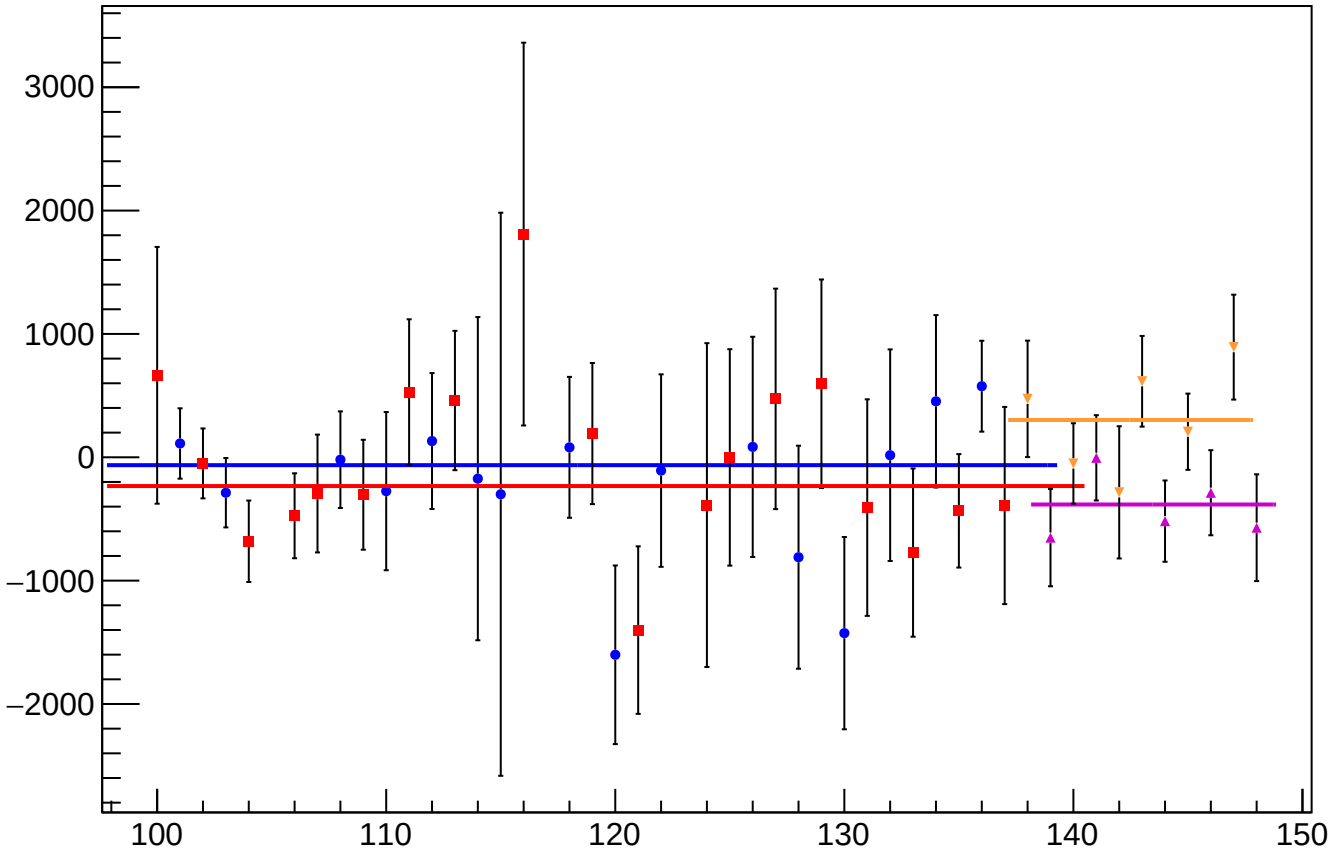
Left: 57.166+/-0.014 χ^2/NDF: 272102.0/10

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 59.765+/-0.013 χ^2/NDF:410929.4/20

Out: 59.457+/-0.012 χ^2/NDF:467086.2/24

All: 59.608+/-0.009 χ^2/NDF: 878323.7/45



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 302.416+/-156.597 χ^2/NDF:5.3/5

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -382.726+/-162.777 χ^2/NDF:2.1/4

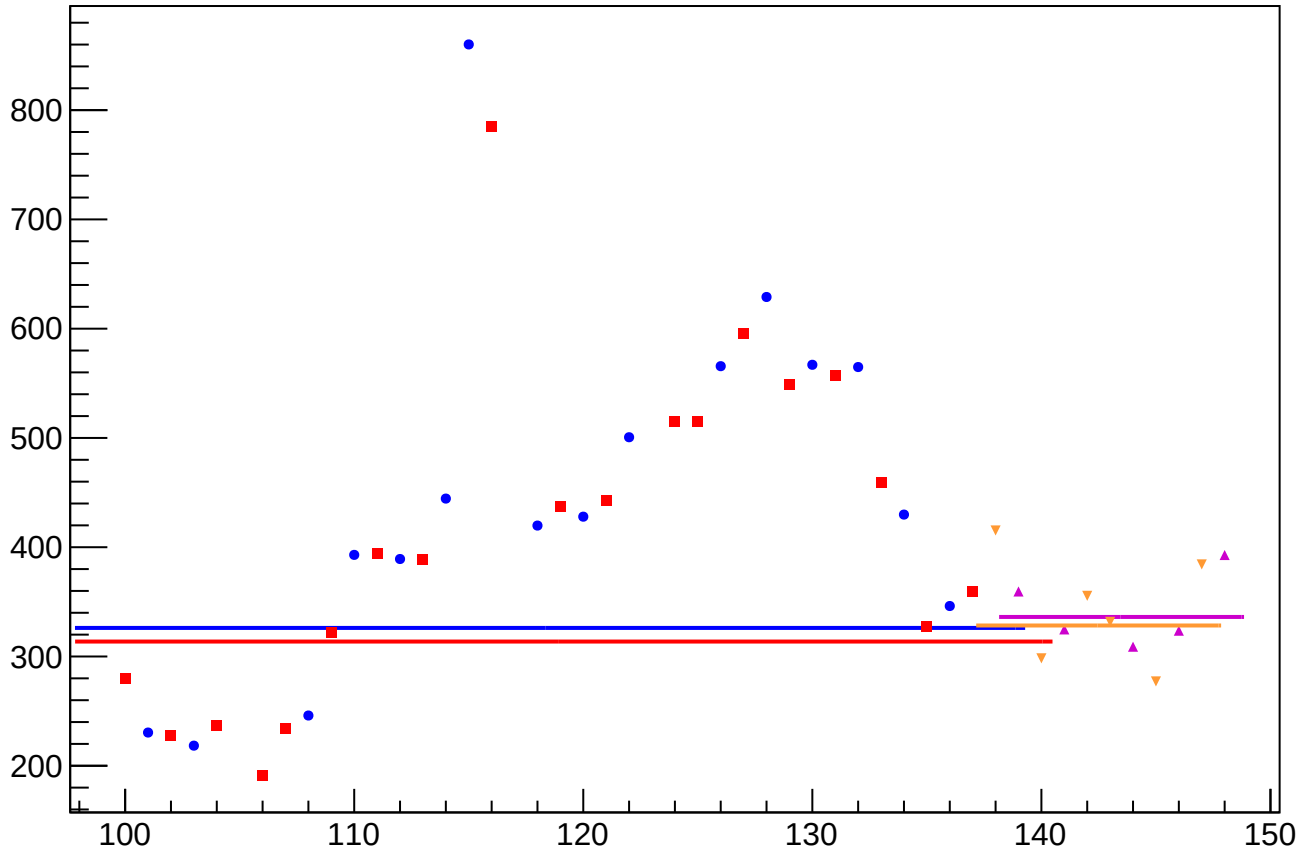
Left: -26.902+/-112.852 χ^2/NDF: 16.5/10

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -187.641+/-101.425 χ^2/NDF:17.6/20

Out: -29.270+/-96.628 χ^2/NDF:27.0/24

All: -104.622+/-69.960 χ^2/NDF: 45.9/45



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 328.369+/-0.111 χ^2/NDF:179644.8/5

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 336.191+/-0.115 χ^2/NDF:59747.7/4

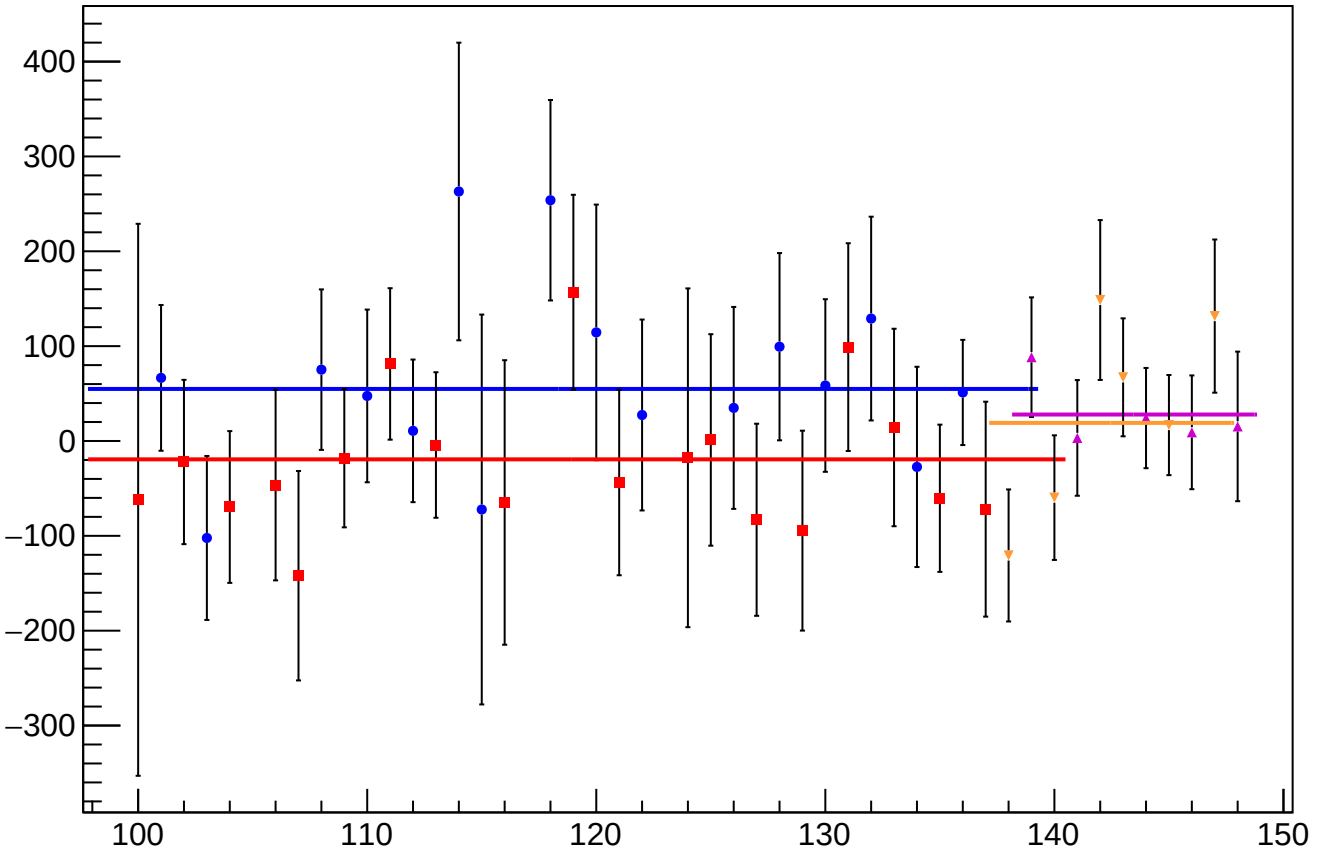
Left: 332.129+/-0.080 χ^2/NDF: 241790.9/10

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 330.047+/-0.072 χ^2/NDF:1798401.4/20

Out: 319.268+/-0.068 χ^2/NDF:1977901.4/24

All: 324.396+/-0.049 χ^2/NDF: 3788143.9/45



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.075+/-27.217 χ^2/NDF:10.4/5

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 27.896+/-27.554 χ^2/NDF:1.2/4

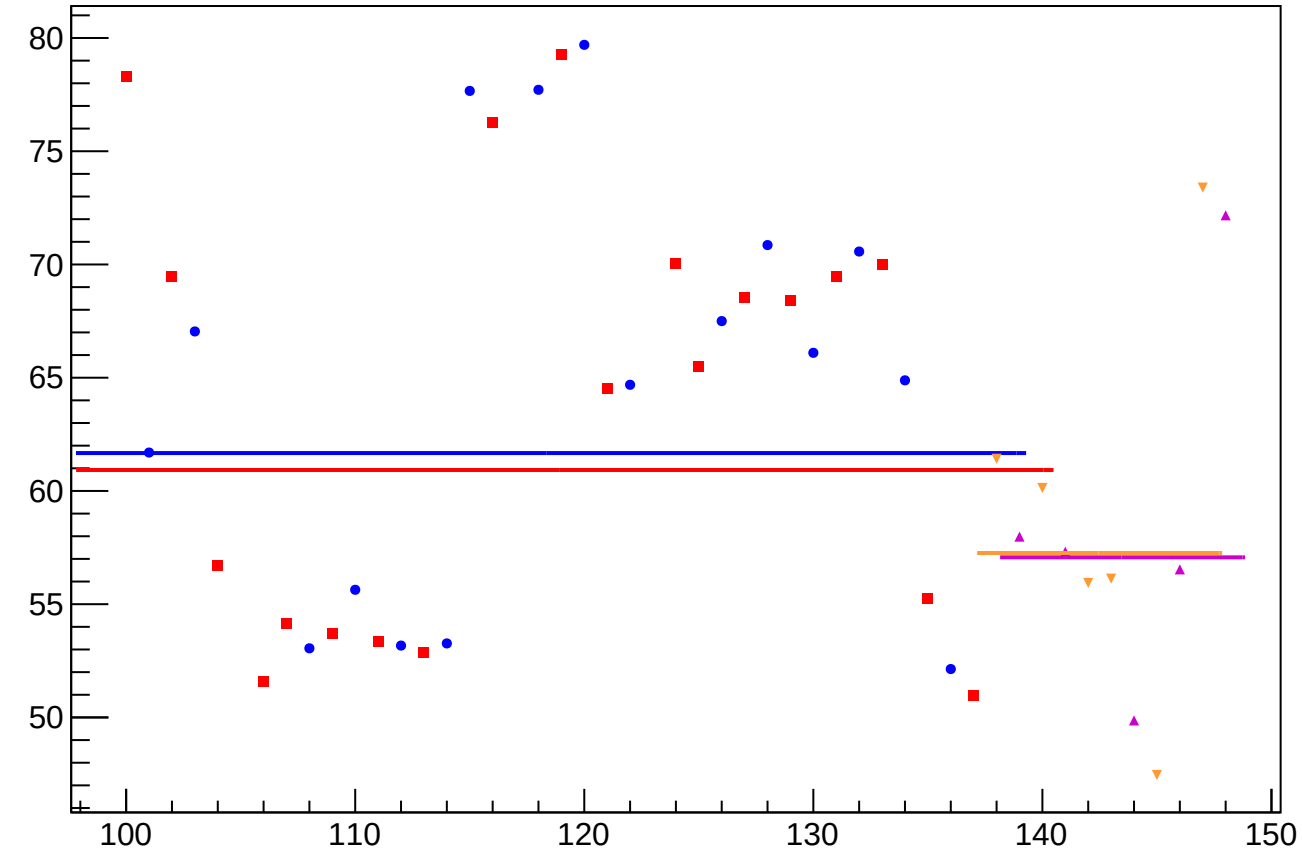
Left: 23.431+/-19.363 χ^2/NDF: 11.6/10

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 43.696+/-17.737 χ^2/NDF:12.8/20

Out: -3.680+/-17.382 χ^2/NDF:20.7/24

All: 19.528+/-12.415 χ^2/NDF: 37.1/45



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

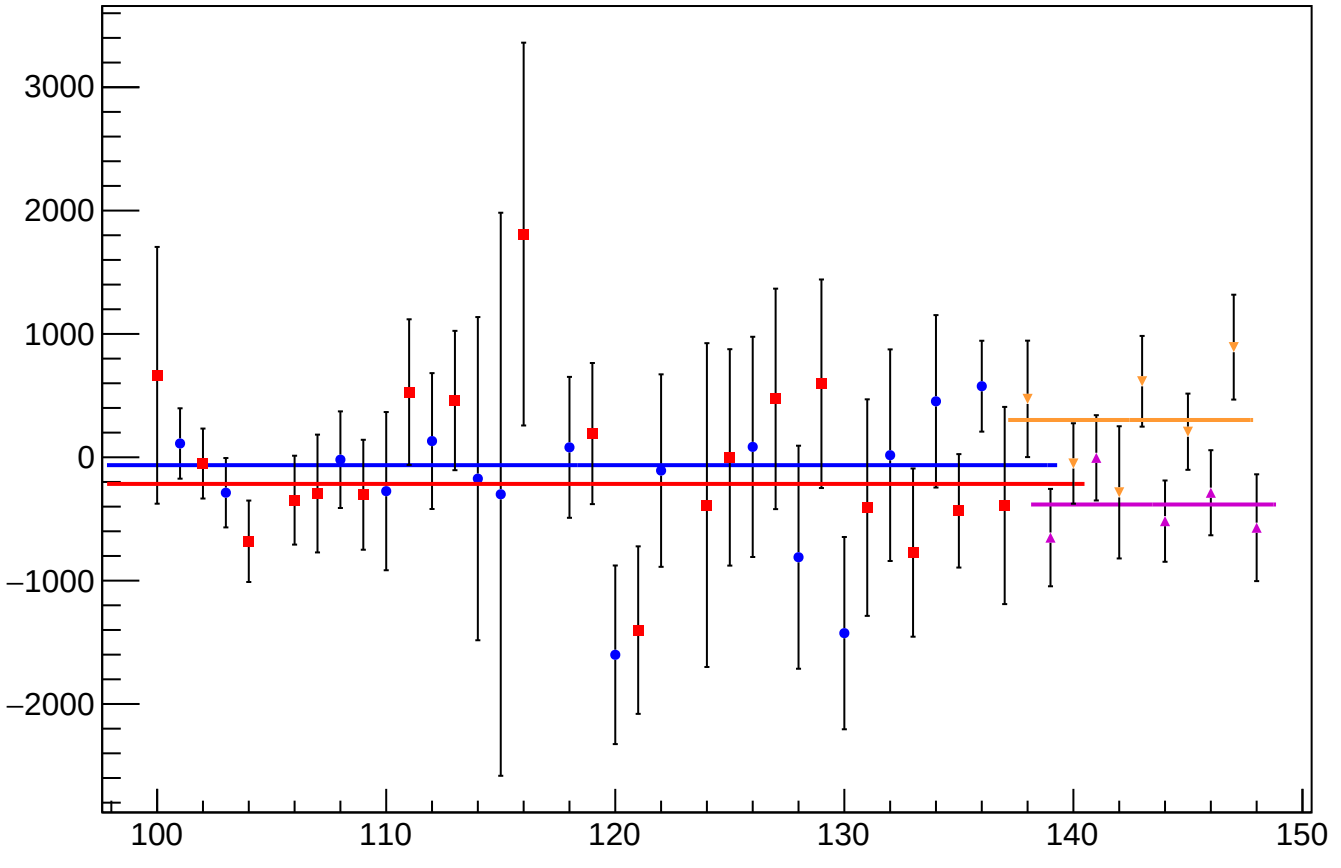
Left: 57.166+/-0.014 χ^2/NDF: 272102.0/10

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.765+/-0.013 χ^2/NDF:410929.6/20

Out: 59.431+/-0.012 χ^2/NDF:469988.6/24

All: 59.595+/-0.009 χ^2/NDF: 881279.2/45



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -382.729+/-162.777 χ^2/NDF:2.1/4

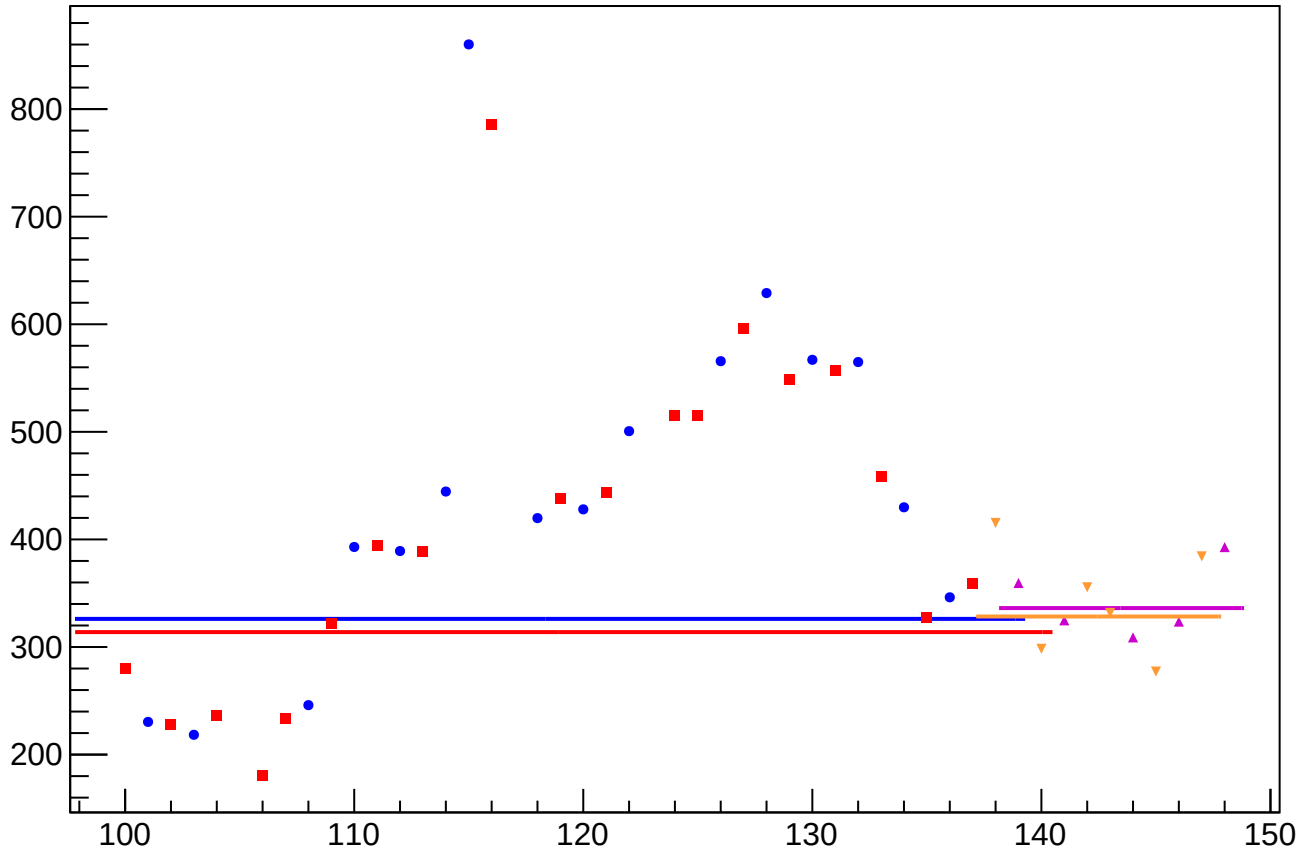
Left: -26.906+/-112.852 χ^2/NDF: 16.5/10

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -187.635+/-101.425 χ^2/NDF:17.6/20

Out: -17.170+/-96.968 χ^2/NDF:26.1/24

All: -98.574+/-70.089 χ^2/NDF: 45.2/45



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 328.369+/-0.111 χ^2/NDF:179646.5/5

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

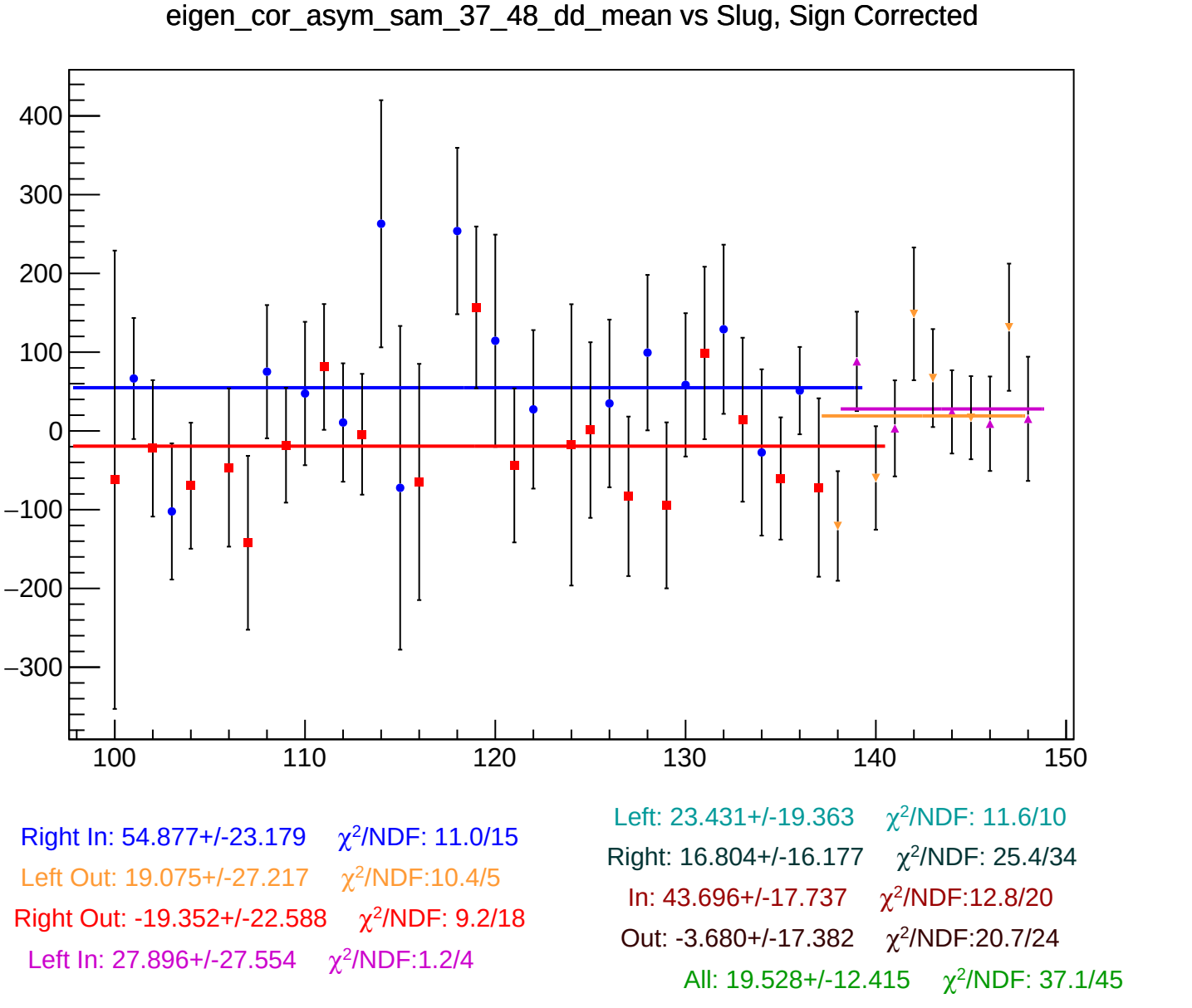
Left: 332.129+/-0.080 χ^2/NDF: 241791.6/10

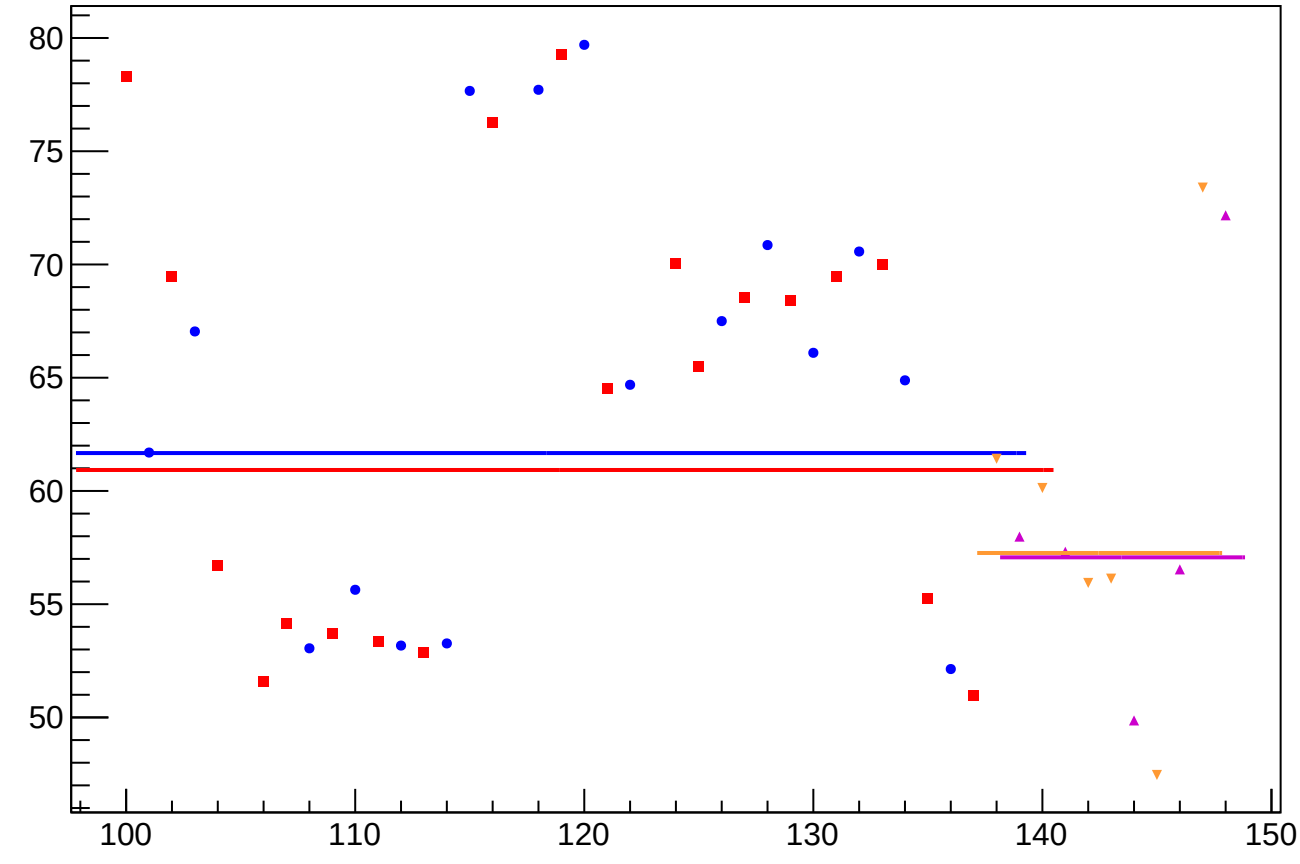
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.049+/-0.072 χ^2/NDF:1798336.8/20

Out: 319.424+/-0.069 χ^2/NDF:1996010.4/24

All: 324.498+/-0.050 χ^2/NDF: 3805814.0/45


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 19.075+/-27.217 χ²/NDF:10.4/5
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 27.896+/-27.554 χ²/NDF:1.2/4
Left: 23.431+/-19.363 χ²/NDF: 11.6/10
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 43.696+/-17.737 χ²/NDF:12.8/20
Out: -3.680+/-17.382 χ²/NDF:20.7/24
All: 19.528+/-12.415 χ²/NDF: 37.1/45



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

Left: 57.166+/-0.014 χ^2/NDF: 272102.0/10

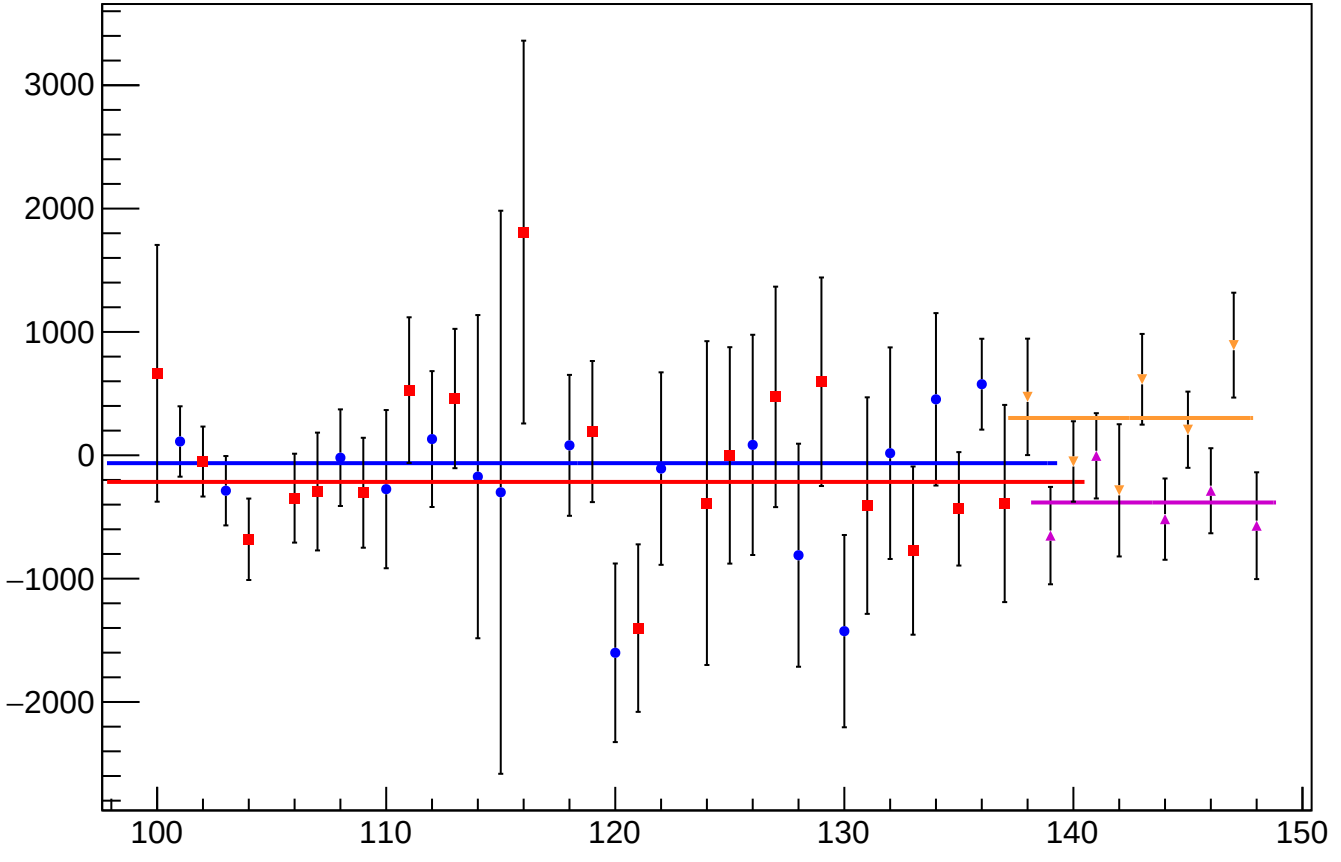
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.765+/-0.013 χ^2/NDF:410929.6/20

Out: 59.431+/-0.012 χ^2/NDF:469988.6/24

All: 59.595+/-0.009 χ^2/NDF: 881279.2/45

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -382.729+/-162.777 χ^2/NDF:2.1/4

Left: -26.906+/-112.852 χ^2/NDF: 16.5/10

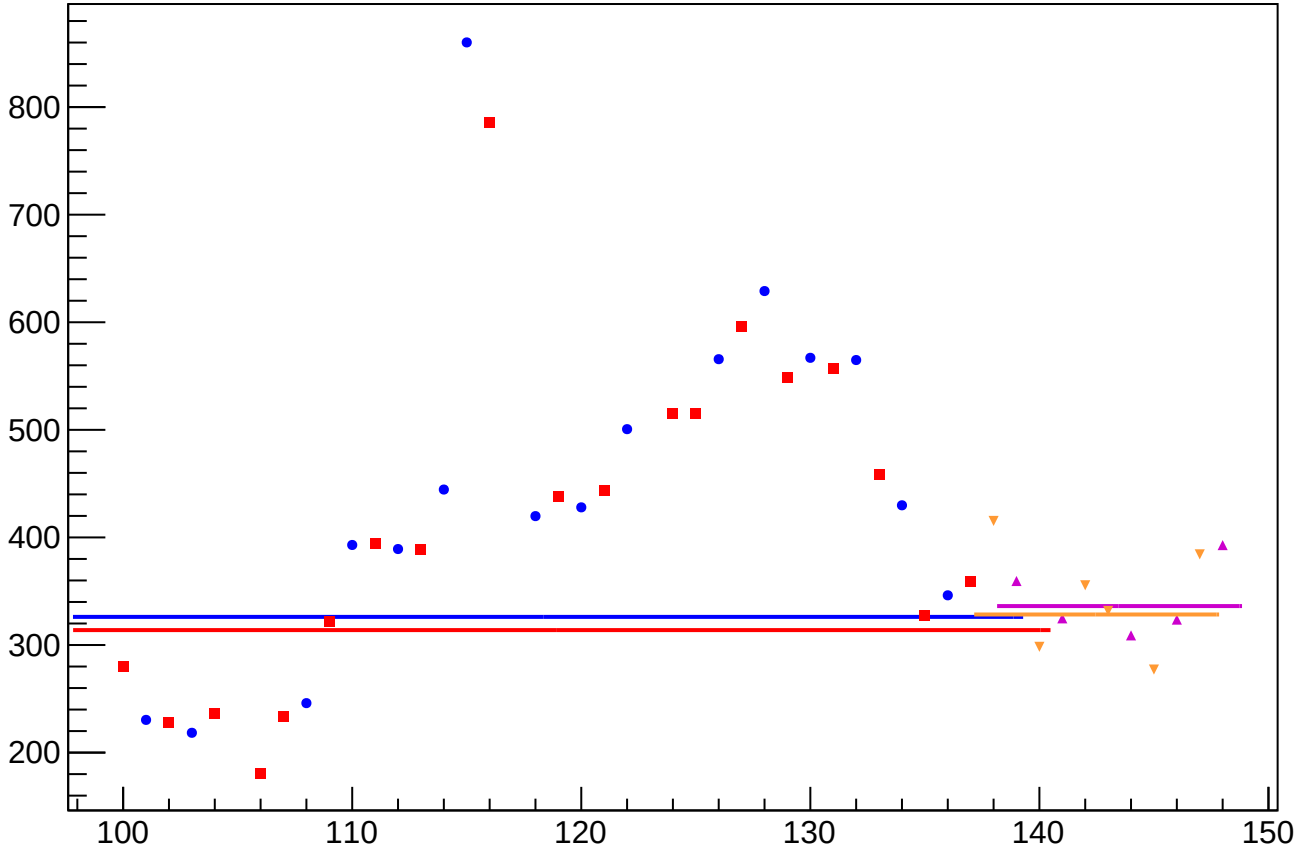
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -187.635+/-101.425 χ^2/NDF:17.6/20

Out: -17.170+/-96.968 χ^2/NDF:26.1/24

All: -98.574+/-70.089 χ^2/NDF: 45.2/45

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: 328.369+/-0.111 χ^2/NDF:179646.5/5

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

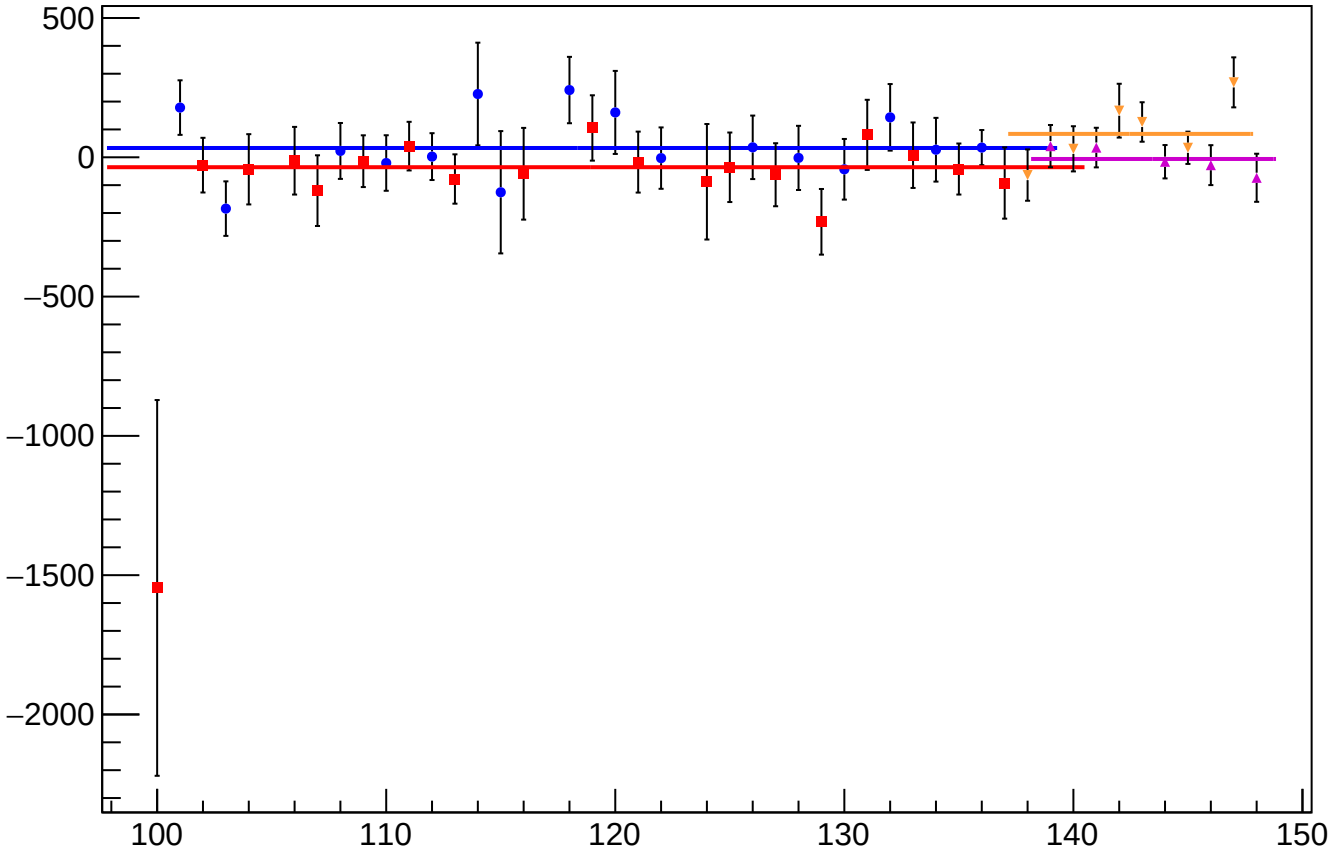
Left: 332.129+/-0.080 χ^2/NDF: 241791.6/10

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.049+/-0.072 χ^2/NDF:1798336.8/20

Out: 319.424+/-0.069 χ^2/NDF:1996010.4/24

All: 324.498+/-0.050 χ^2/NDF: 3805814.0/45



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 83.977+/-31.644 χ^2/NDF:9.1/5

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -6.039+/-31.950 χ^2/NDF:1.4/4

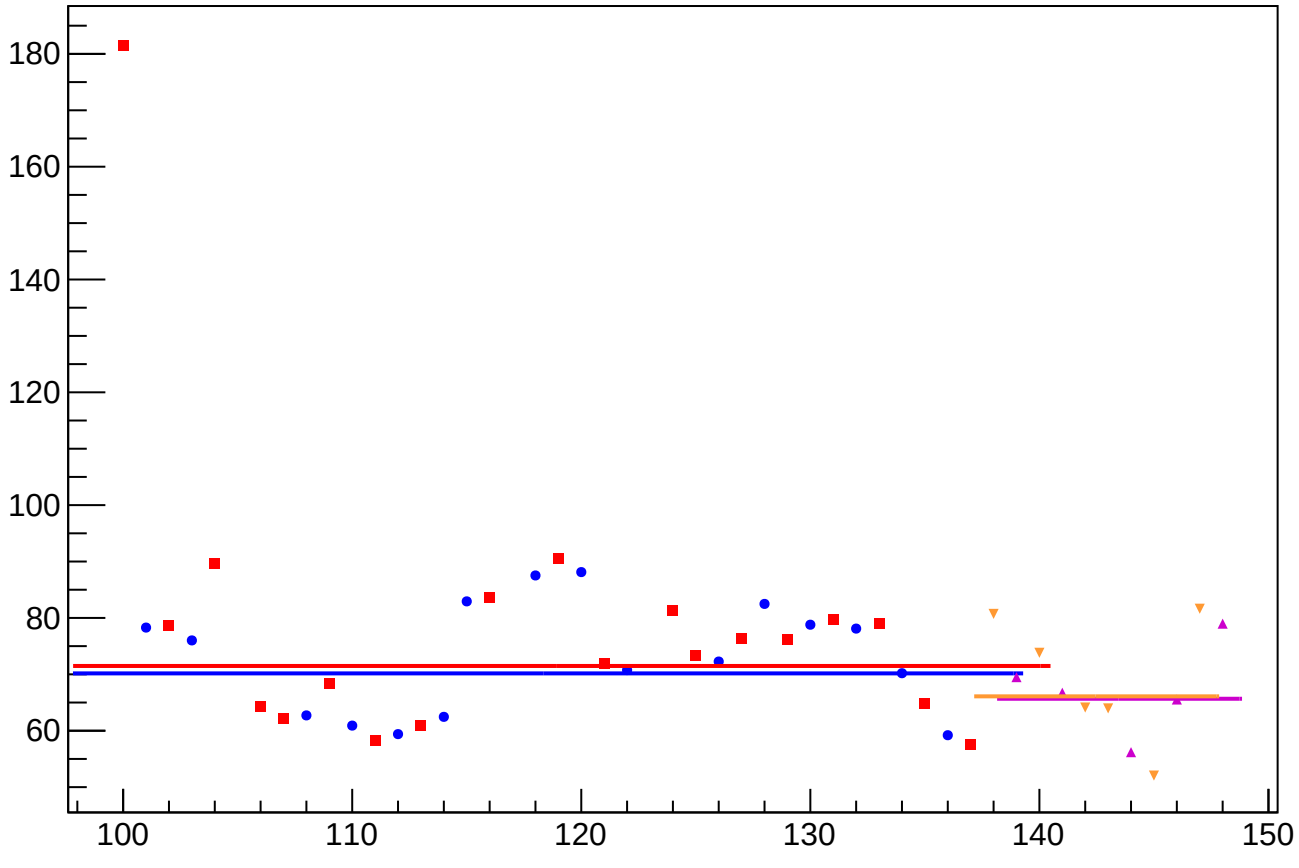
Left: 39.402+/-22.483 χ^2/NDF: 14.6/10

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 17.386+/-20.358 χ^2/NDF:16.9/20

Out: 13.785+/-20.333 χ^2/NDF:29.6/24

All: 15.583+/-14.386 χ^2/NDF: 46.5/45



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 66.096+/-0.022 χ^2/NDF:248671.0/5

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 65.670+/-0.023 χ^2/NDF:103194.4/4

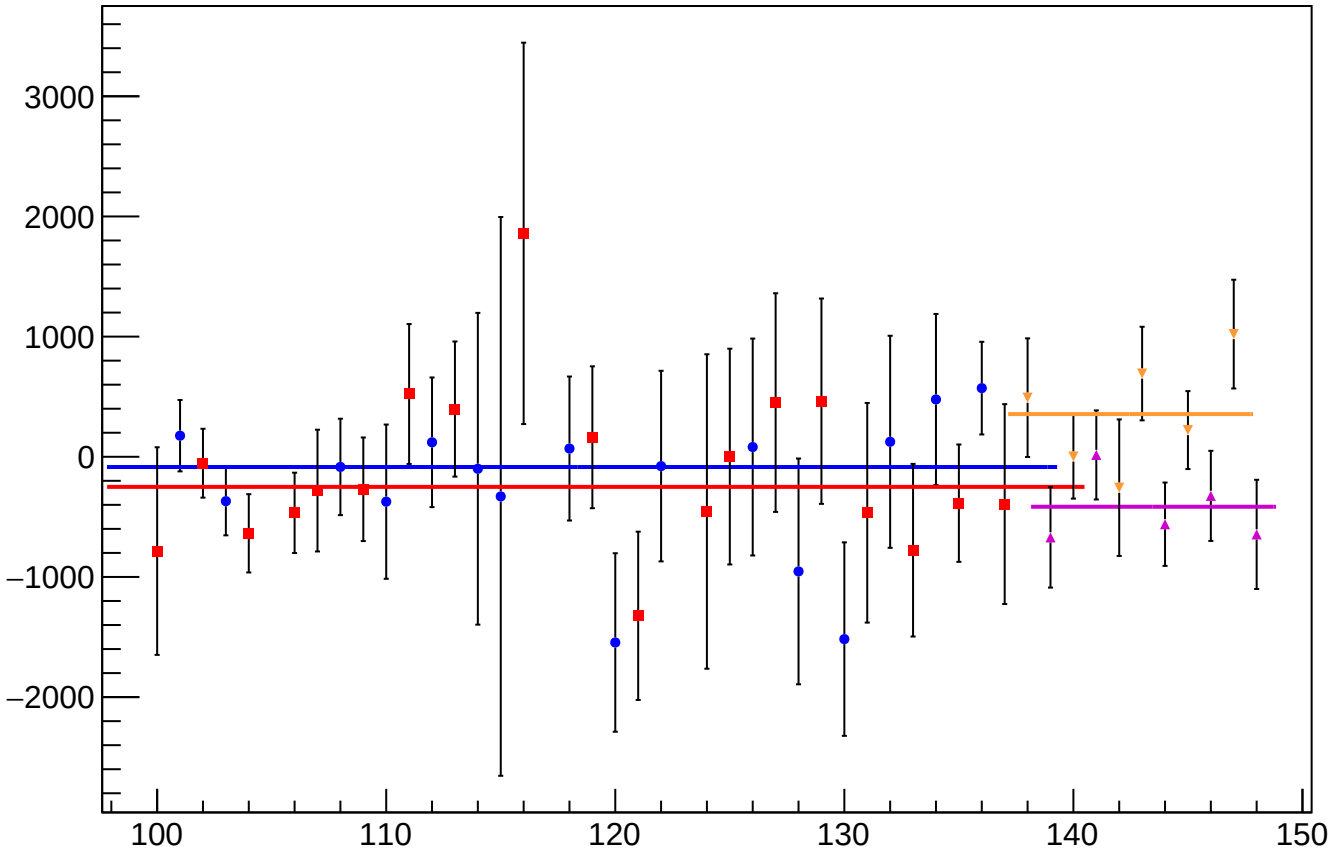
Left: 65.885+/-0.016 χ^2/NDF: 352045.4/10

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.341+/-0.014 χ^2/NDF:395988.1/20

Out: 69.259+/-0.014 χ^2/NDF:608416.8/24

All: 68.801+/-0.010 χ^2/NDF: 1006439.6/45



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.901 χ^2/NDF:5.3/5

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -415.753+/-173.360 χ^2/NDF:2.2/4

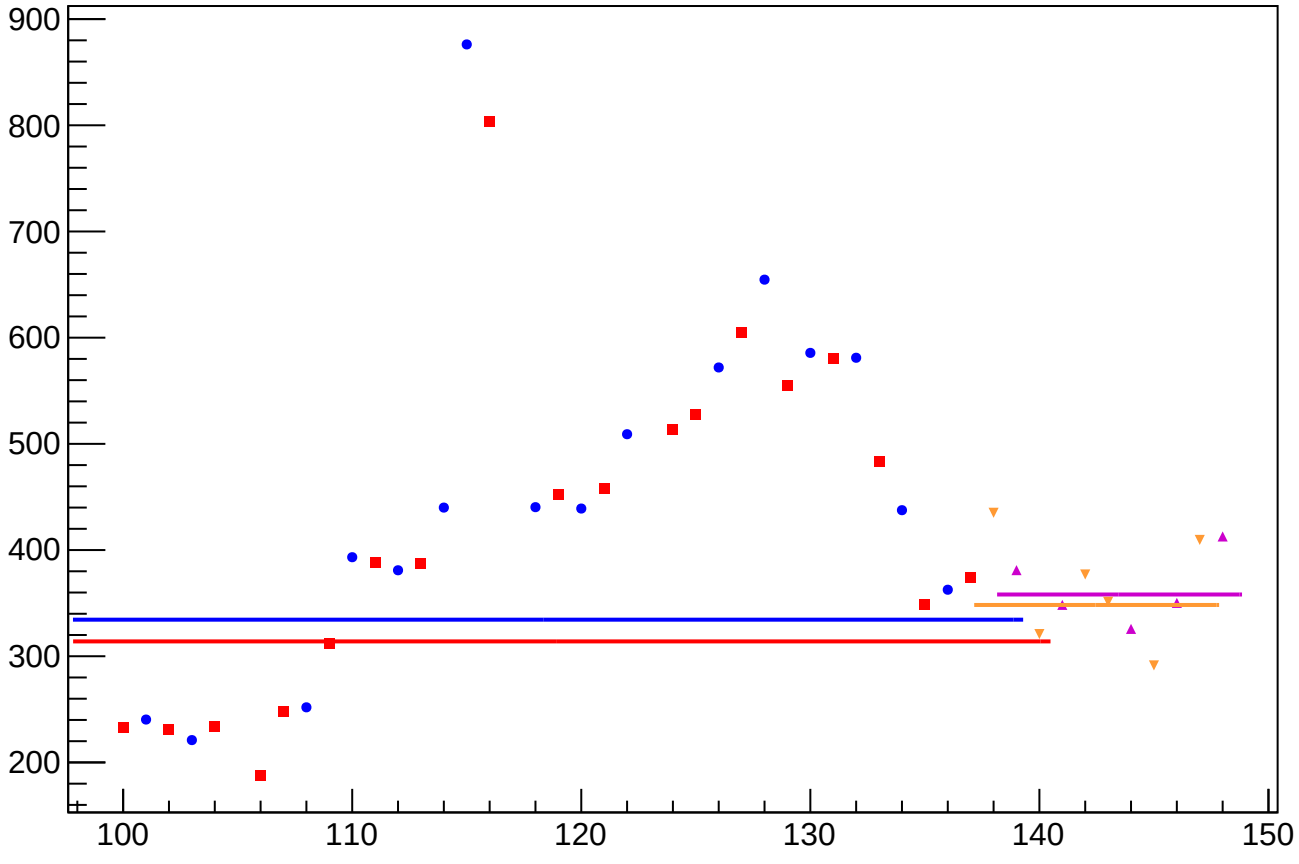
Left: -13.286+/-119.860 χ^2/NDF: 17.9/10

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -207.520+/-105.461 χ^2/NDF:18.2/20

Out: -34.902+/-98.962 χ^2/NDF:26.4/24

All: -115.728+/-72.165 χ^2/NDF: 46.0/45



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 348.285+/-0.117 χ^2/NDF:177538.5/5

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 358.144+/-0.123 χ^2/NDF:54656.2/4

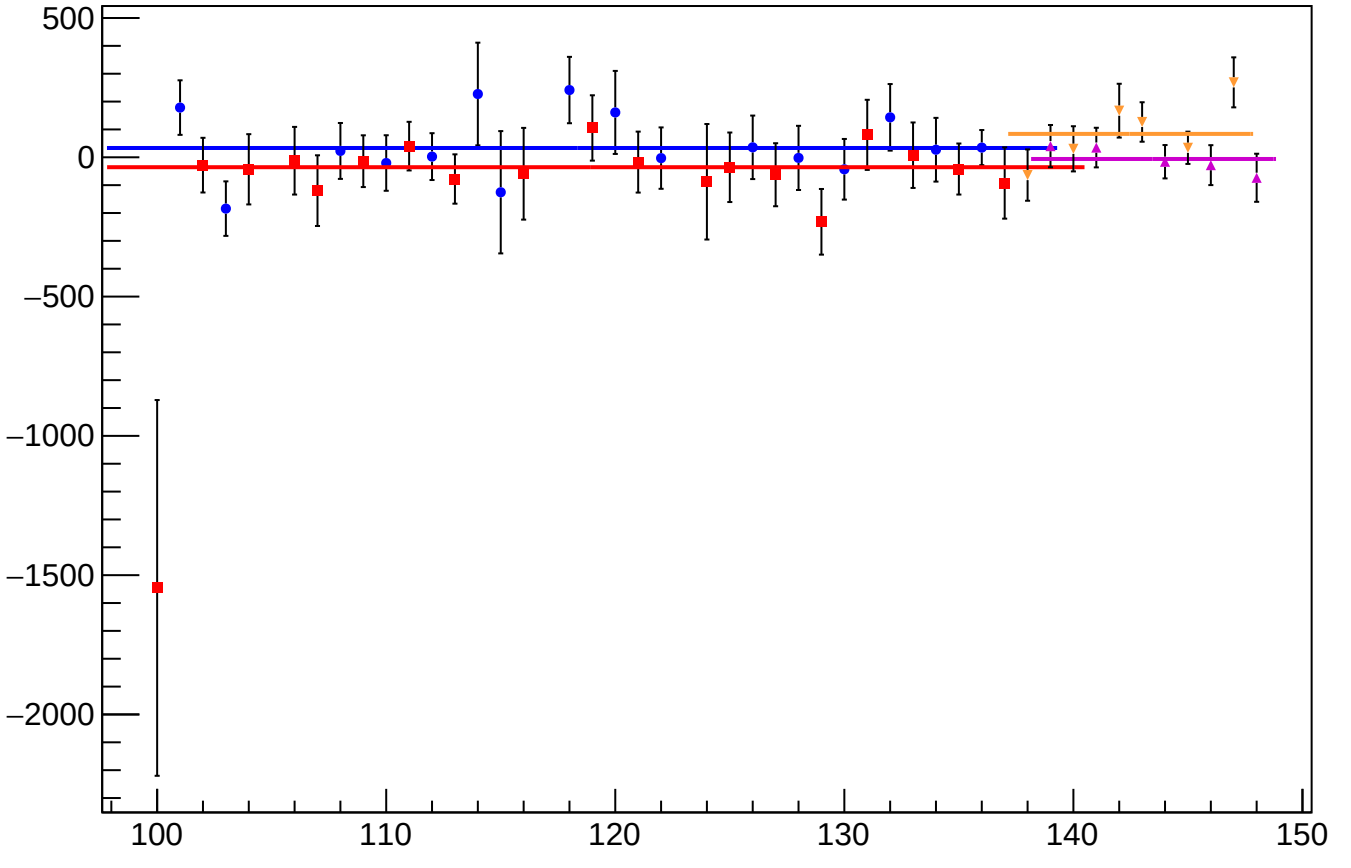
Left: 352.998+/-0.085 χ^2/NDF: 235570.8/10

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 343.206+/-0.075 χ^2/NDF:1808838.0/20

Out: 326.181+/-0.070 χ^2/NDF:2137260.4/24

All: 334.153+/-0.051 χ^2/NDF: 3973815.7/45



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 83.977+/-31.644 χ^2/NDF:9.1/5

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -6.039+/-31.950 χ^2/NDF:1.4/4

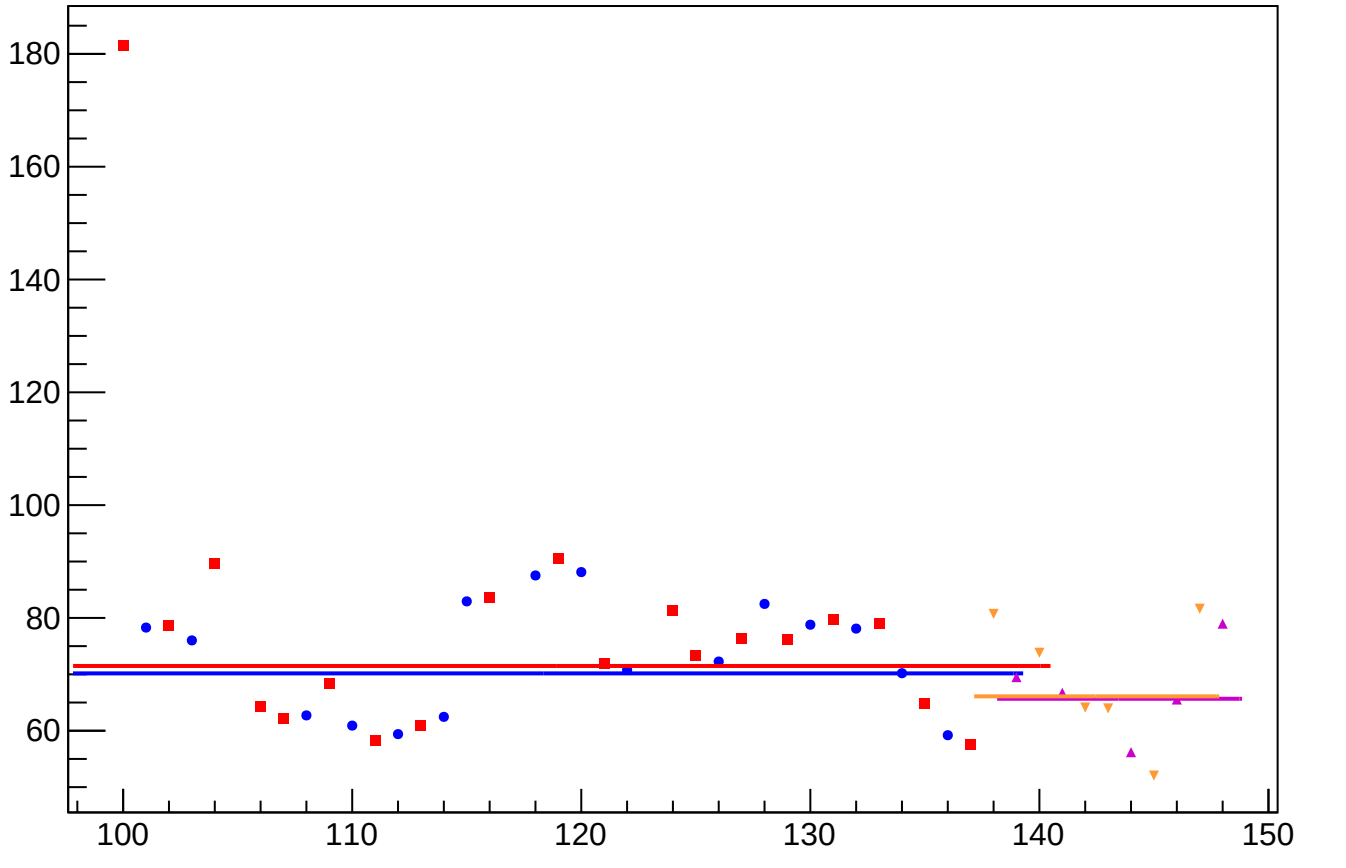
Left: 39.402+/-22.483 χ^2/NDF: 14.6/10

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 17.386+/-20.358 χ^2/NDF:16.9/20

Out: 13.785+/-20.333 χ^2/NDF:29.6/24

All: 15.583+/-14.386 χ^2/NDF: 46.5/45



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 66.096+/-0.022 χ^2/NDF:248674.3/5

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 65.669+/-0.023 χ^2/NDF:103194.5/4

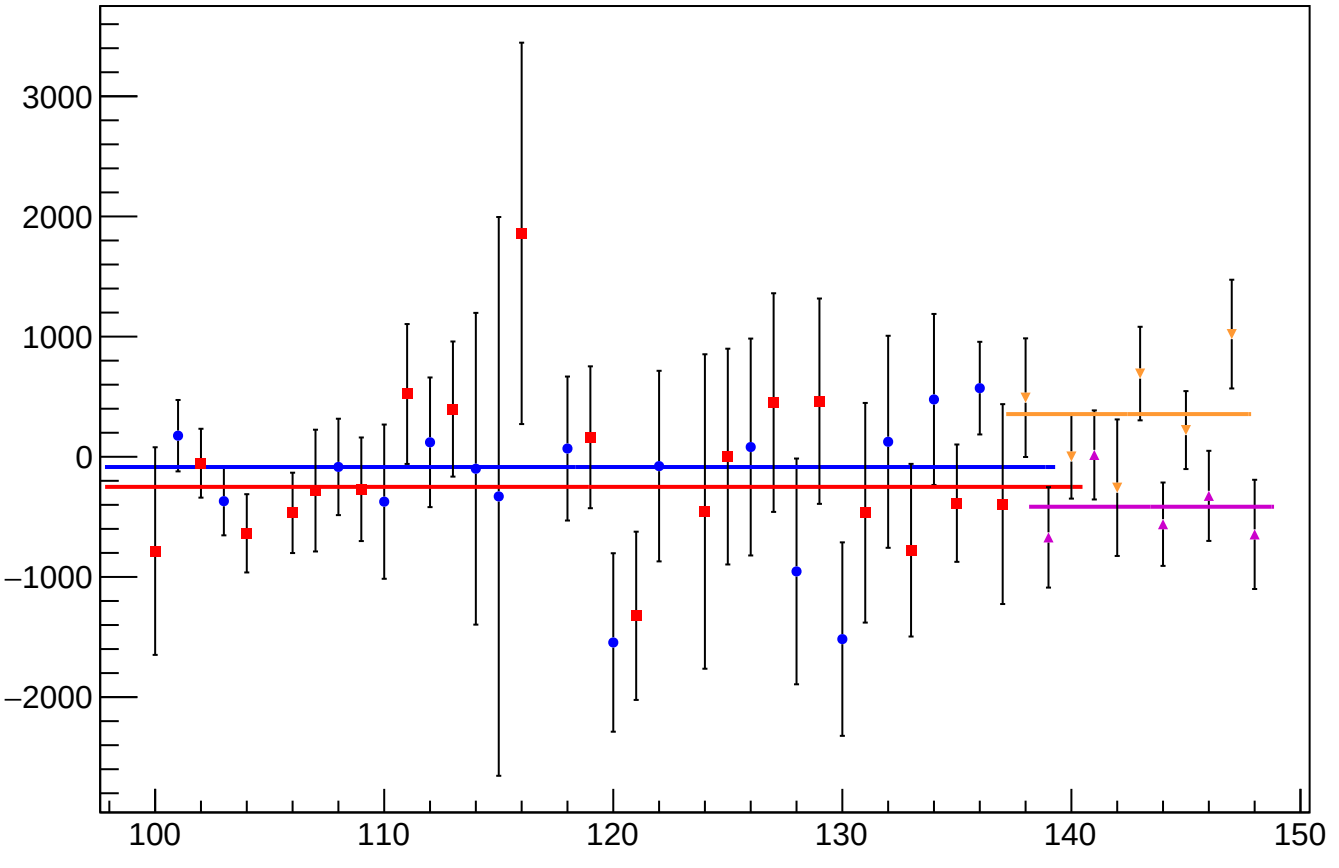
Left: 65.885+/-0.016 χ^2/NDF: 352048.7/10

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.341+/-0.014 χ^2/NDF:395992.9/20

Out: 69.259+/-0.014 χ^2/NDF:608429.2/24

All: 68.801+/-0.010 χ^2/NDF: 1006456.7/45



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.900 χ^2/NDF:5.3/5

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -415.753+/-173.360 χ^2/NDF:2.2/4

Left: -13.285+/-119.860 χ^2/NDF: 17.9/10

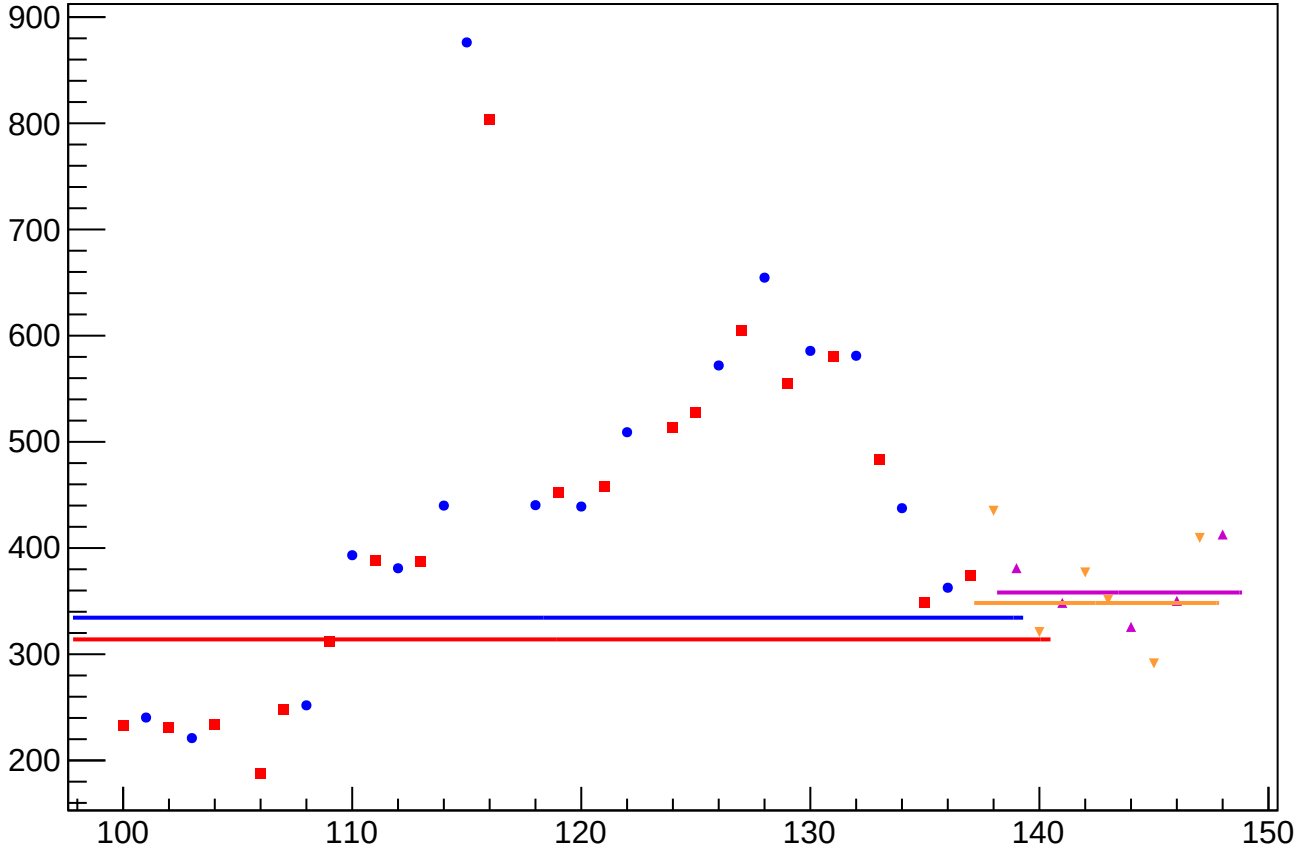
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -207.520+/-105.461 χ^2/NDF:18.2/20

Out: -34.902+/-98.962 χ^2/NDF:26.4/24

All: -115.729+/-72.165 χ^2/NDF: 46.0/45

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: 348.285+/-0.117 χ^2/NDF:177540.9/5

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 358.144+/-0.123 χ^2/NDF:54656.6/4

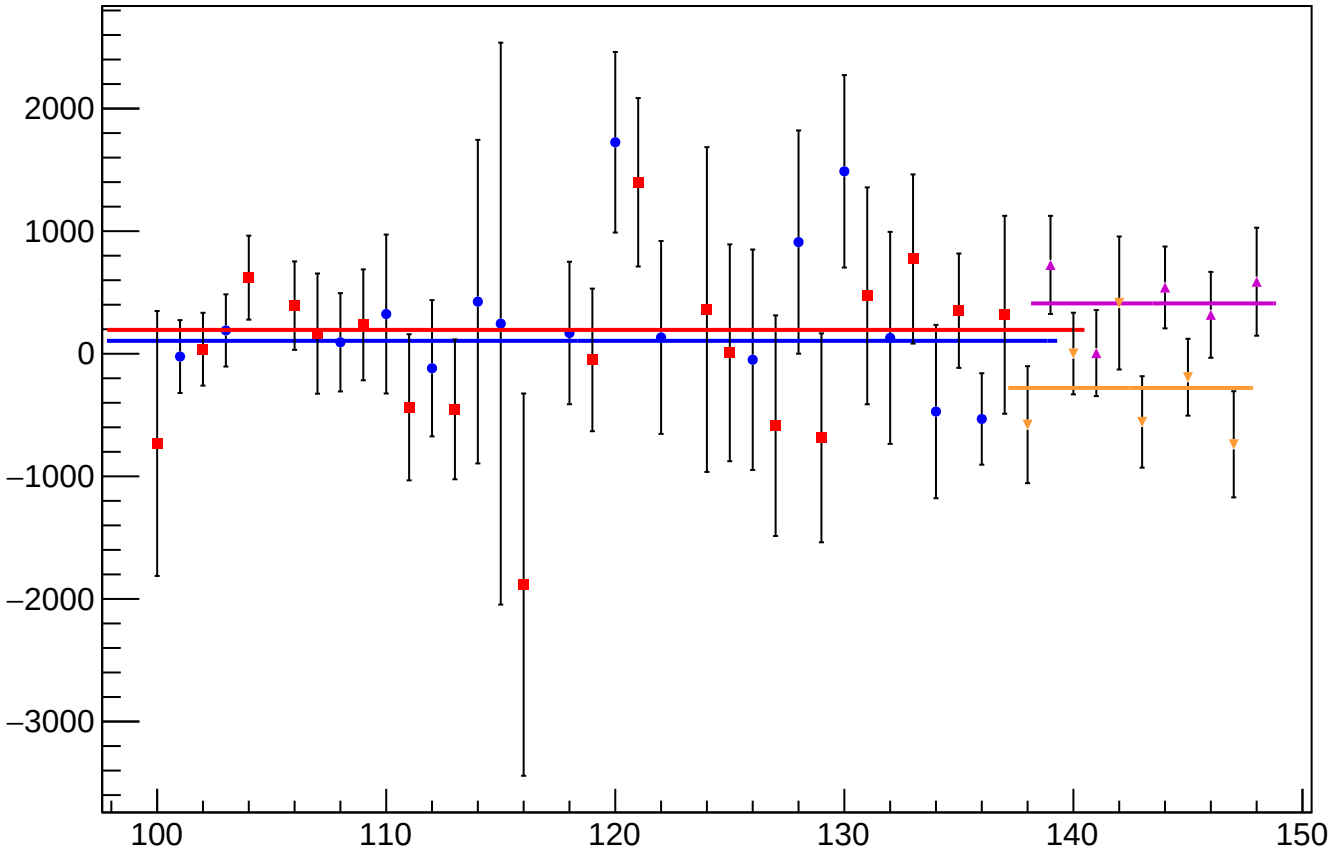
Left: 352.997+/-0.085 χ^2/NDF: 235573.9/10

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 343.206+/-0.075 χ^2/NDF:1808836.9/20

Out: 326.181+/-0.070 χ^2/NDF:2137259.7/24

All: 334.153+/-0.051 χ^2/NDF: 3973814.9/45



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -278.500+/-159.089 χ^2/NDF:4.5/5

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 410.636+/-165.213 χ^2/NDF:2.3/4

Left: 53.059+/-114.597 χ^2/NDF: 15.9/10

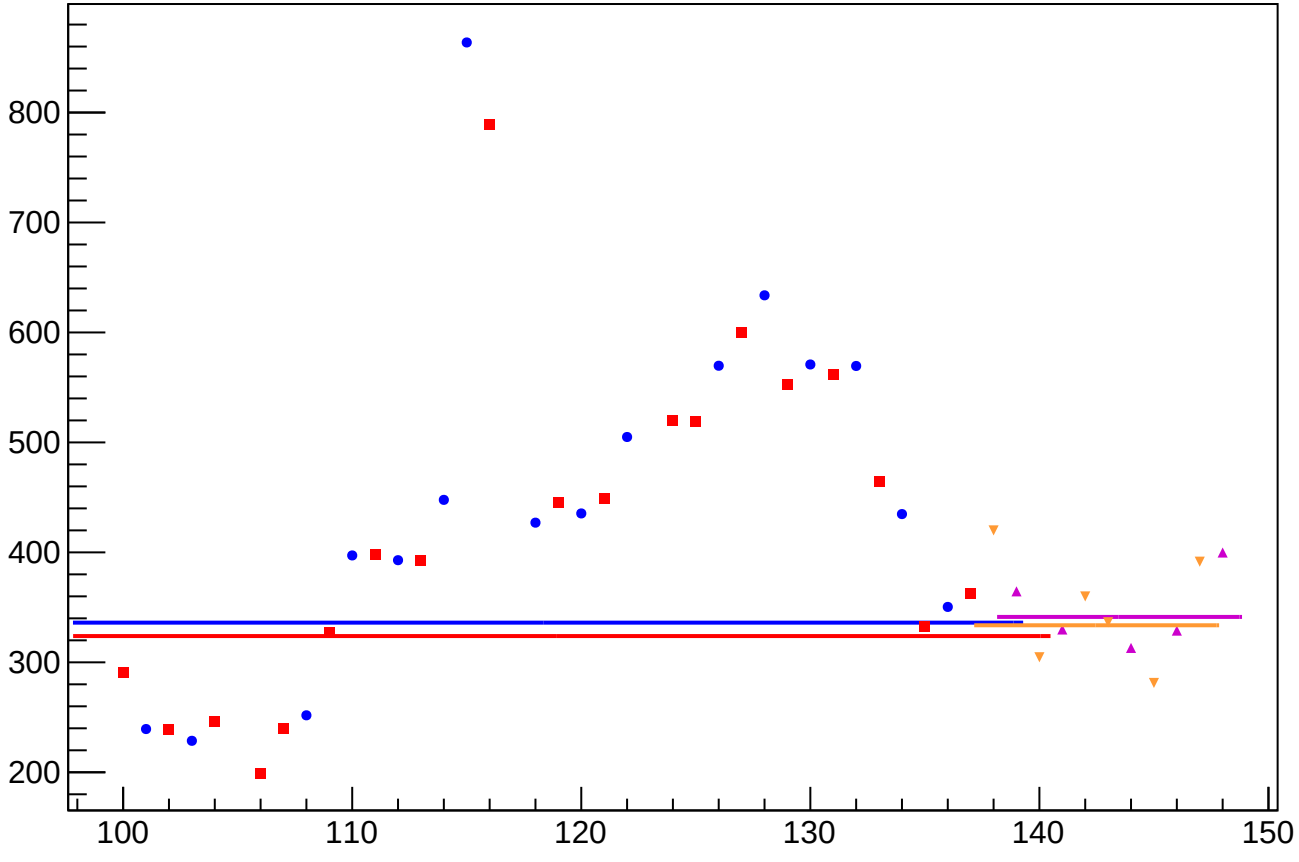
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 225.470+/-103.623 χ^2/NDF:17.4/20

Out: 11.947+/-98.869 χ^2/NDF:23.1/24

All: 113.698+/-71.533 χ^2/NDF: 42.7/45

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 333.695+/-0.112 χ^2/NDF:177102.6/5

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 341.301+/-0.117 χ^2/NDF:61021.5/4

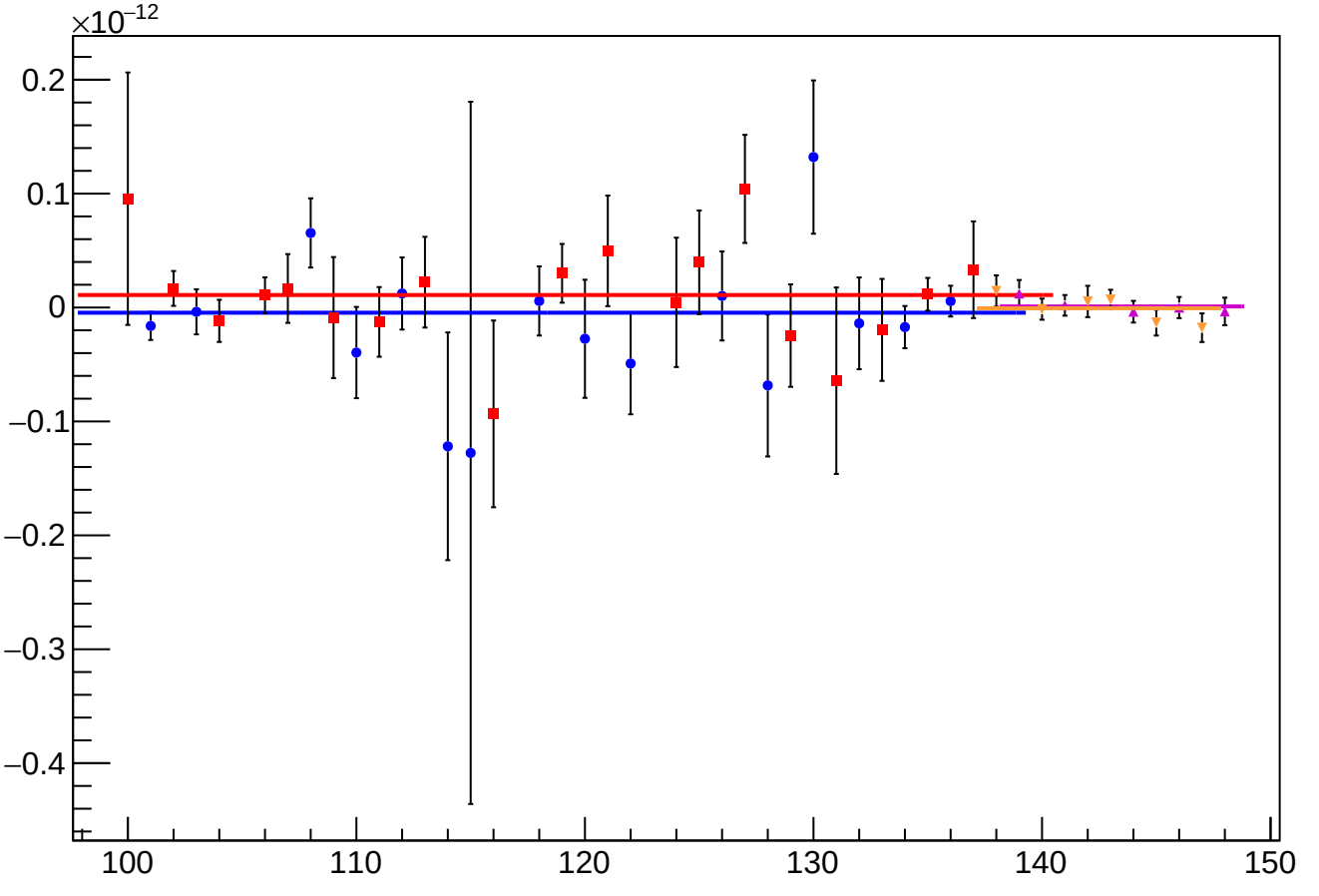
Left: 337.354+/-0.081 χ^2/NDF: 240323.8/10

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 338.141+/-0.073 χ^2/NDF:1681224.8/20

Out: 327.674+/-0.070 χ^2/NDF:1847190.4/24

All: 332.662+/-0.051 χ^2/NDF: 3539097.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

Left: 0.000+/-0.000 χ^2/NDF: 6.6/10

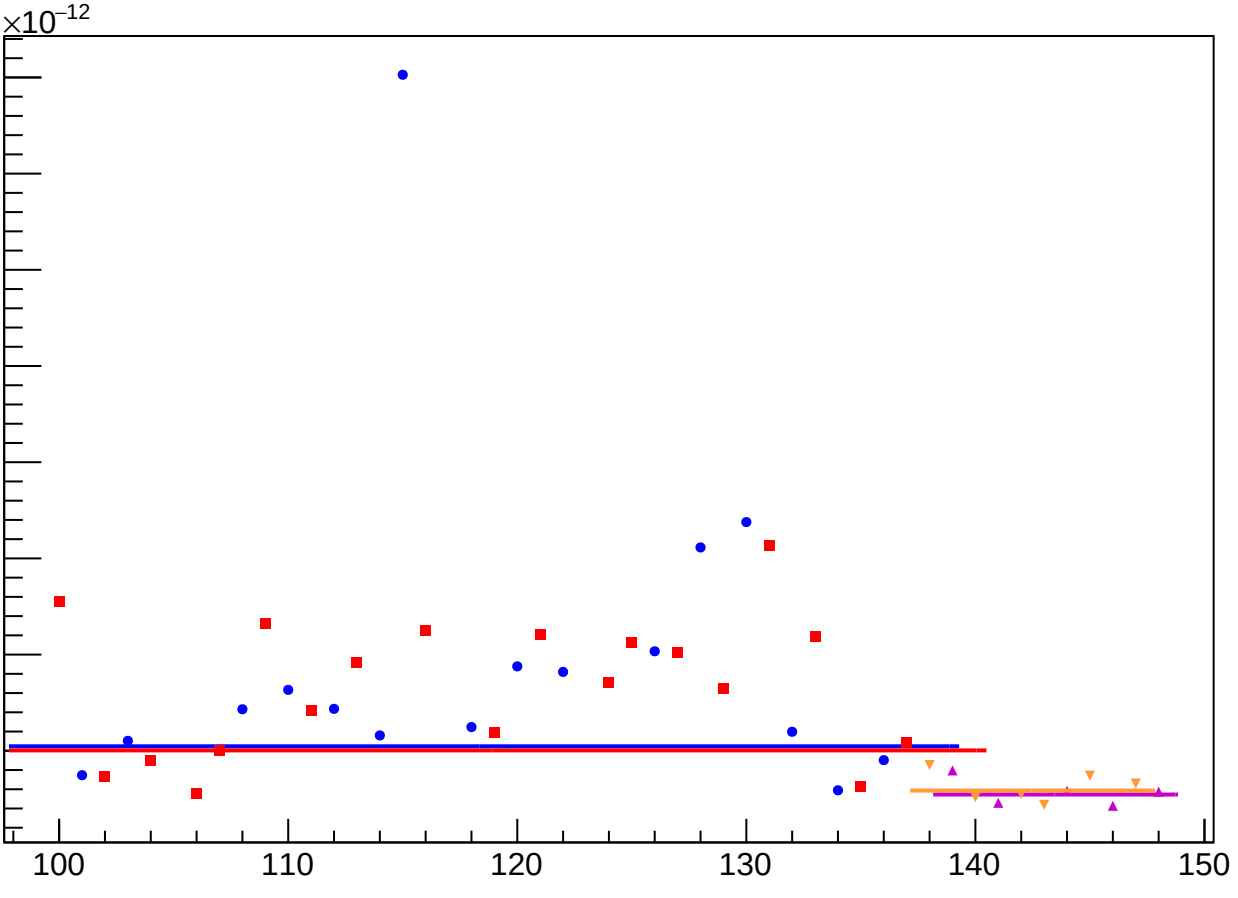
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.3/20

Out: 0.000+/-0.000 χ^2/NDF:19.8/24

All: 0.000+/-0.000 χ^2/NDF: 38.7/45

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:190935.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:143236.0/4

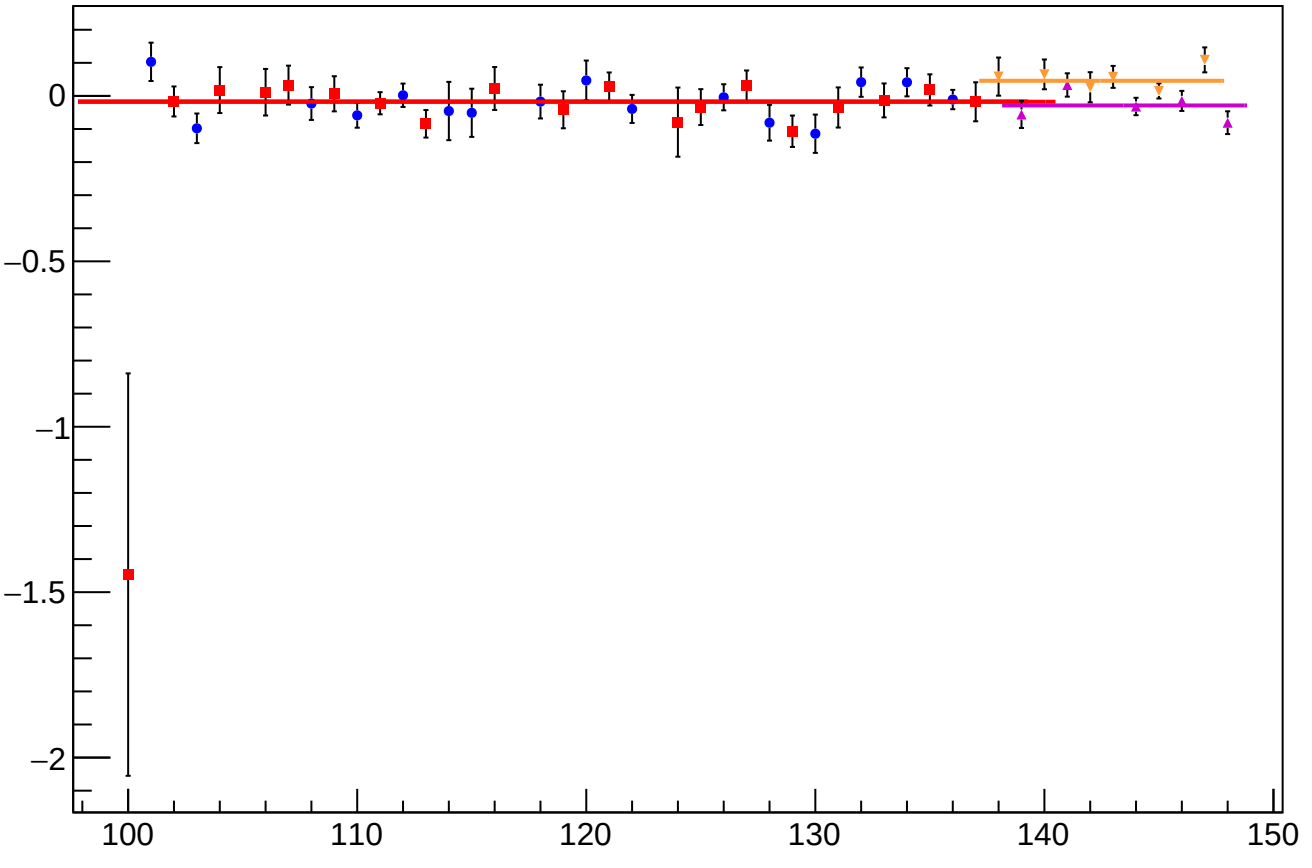
Left: 0.000+/-0.000 χ^2/NDF: 342523.2/10

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2137558.6/20

Out: 0.000+/-0.000 χ^2/NDF:2176020.1/24

All: 0.000+/-0.000 χ^2/NDF: 4314717.9/45



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.029+/-0.014 χ^2/NDF:6.0/4

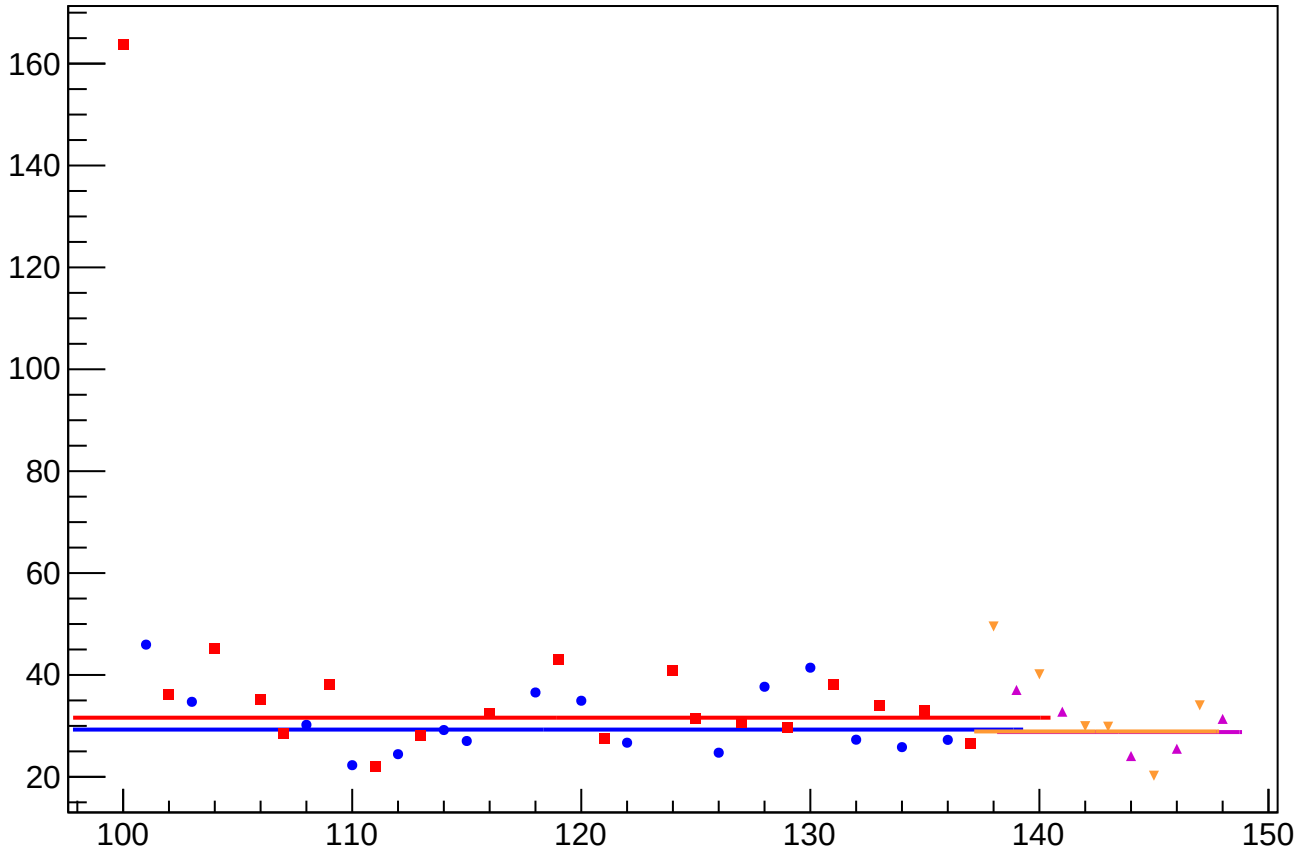
Left: 0.009+/-0.010 χ^2/NDF: 24.5/10

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.007+/-0.006 χ^2/NDF: 64.1/45



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.913+/-0.010 χ^2/NDF:709674.8/5

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

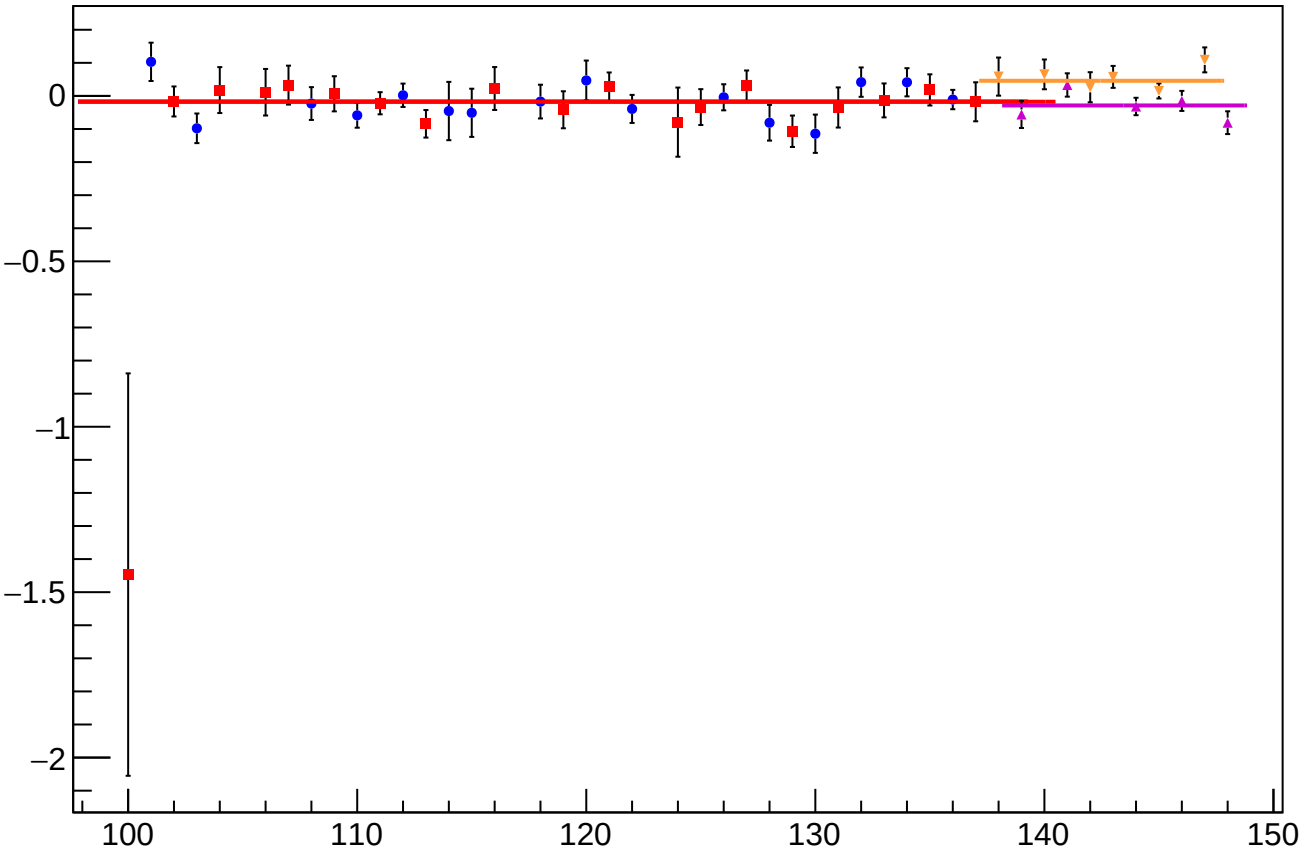
Left: 28.852+/-0.007 χ^2/NDF: 915955.3/10

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.093+/-0.006 χ^2/NDF:768272.1/20

Out: 30.497+/-0.007 χ^2/NDF:1323036.8/24

All: 29.769+/-0.005 χ^2/NDF: 2115140.3/45



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.029+/-0.014 χ^2/NDF:6.0/4

Left: 0.009+/-0.010 χ^2/NDF: 24.5/10

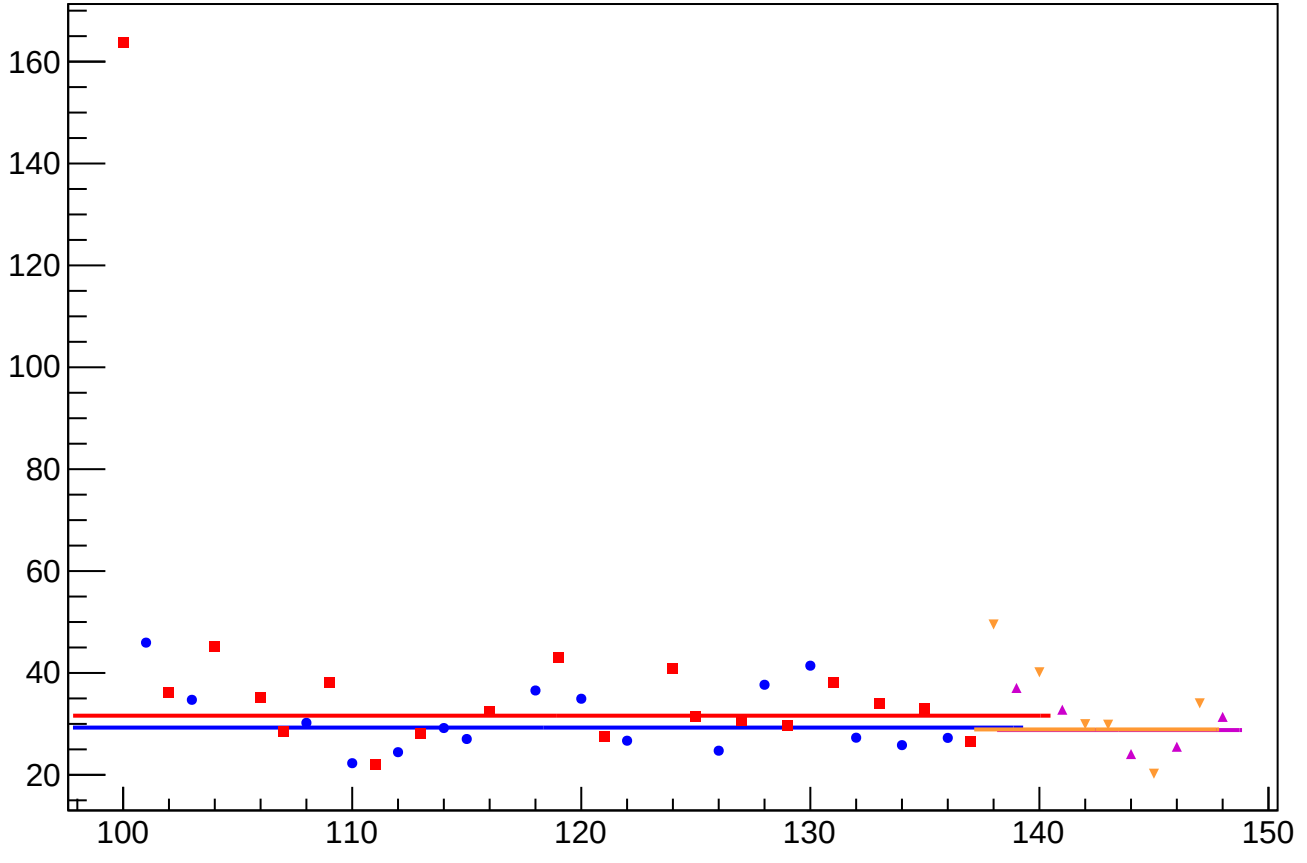
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.007+/-0.006 χ^2/NDF: 64.1/45

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: 28.913+/-0.010 χ^2/NDF:709674.8/5

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

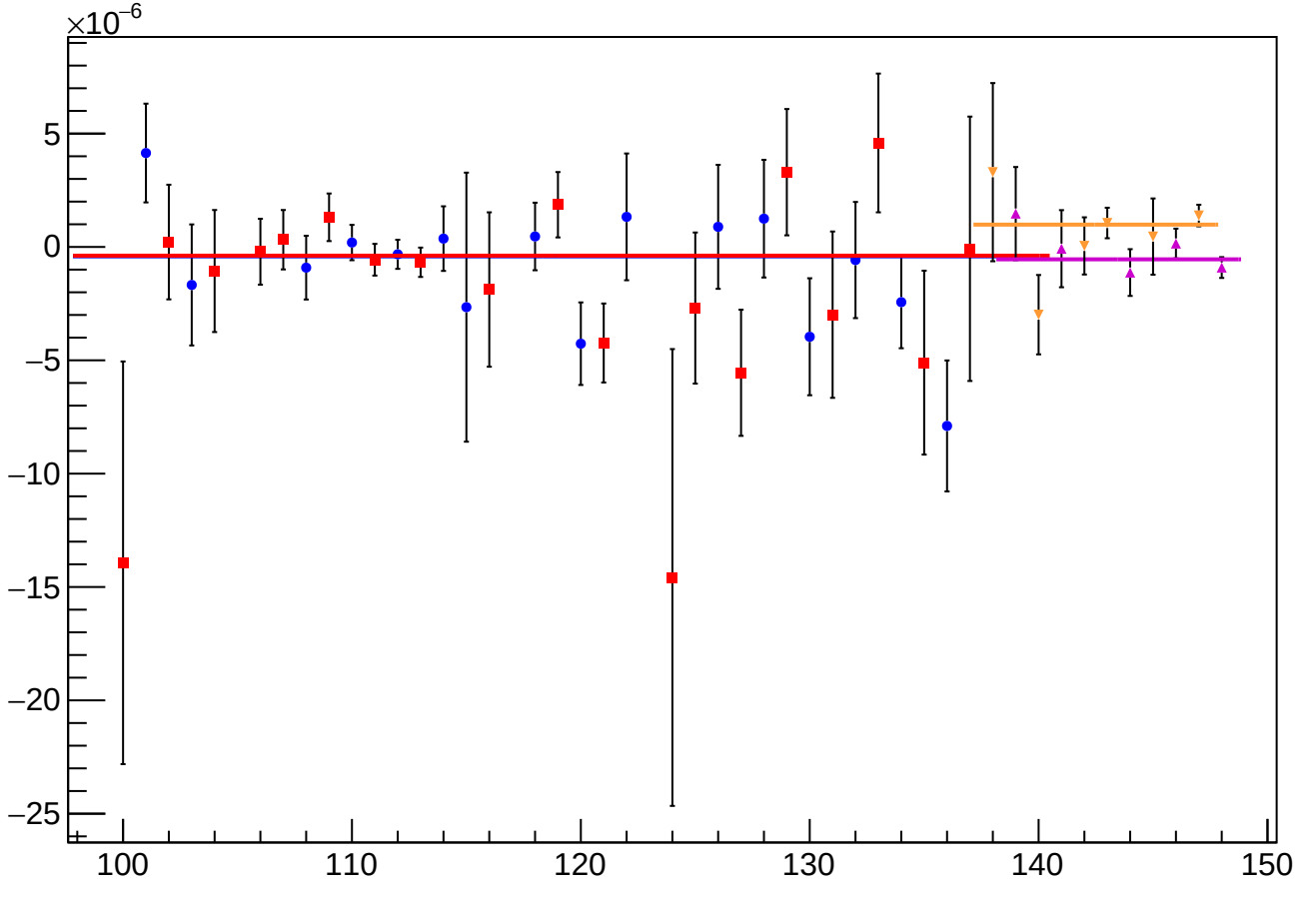
Left: 28.852+/-0.007 χ^2/NDF: 915955.3/10

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.093+/-0.006 χ^2/NDF:768272.1/20

Out: 30.497+/-0.007 χ^2/NDF:1323036.8/24

All: 29.769+/-0.005 χ^2/NDF: 2115140.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

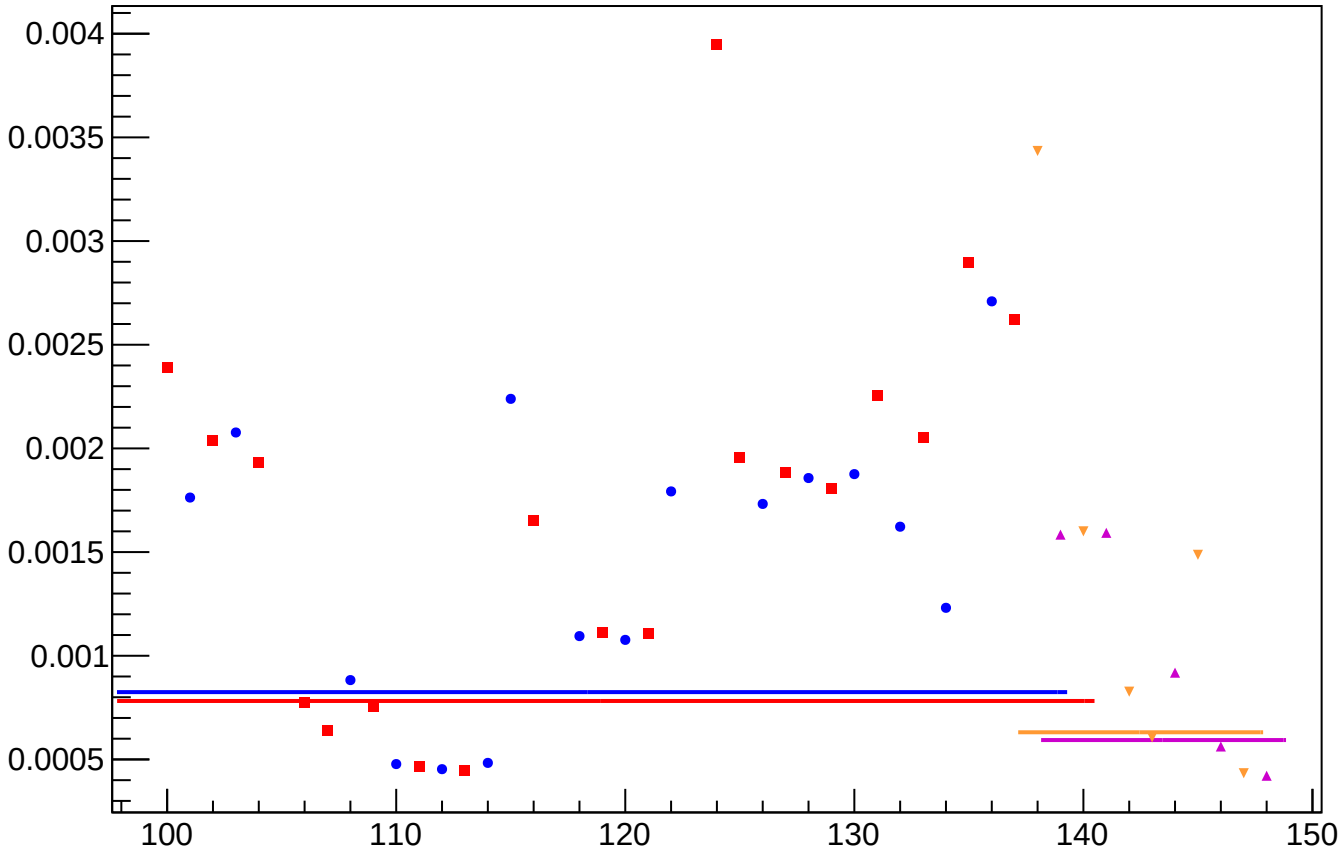
Left: 0.000+/-0.000 χ^2/NDF: 19.7/10

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:24.4/20

Out: 0.000+/-0.000 χ^2/NDF:39.8/24

All: -0.000+/-0.000 χ^2/NDF: 69.0/45



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2543397.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1639563.2/4

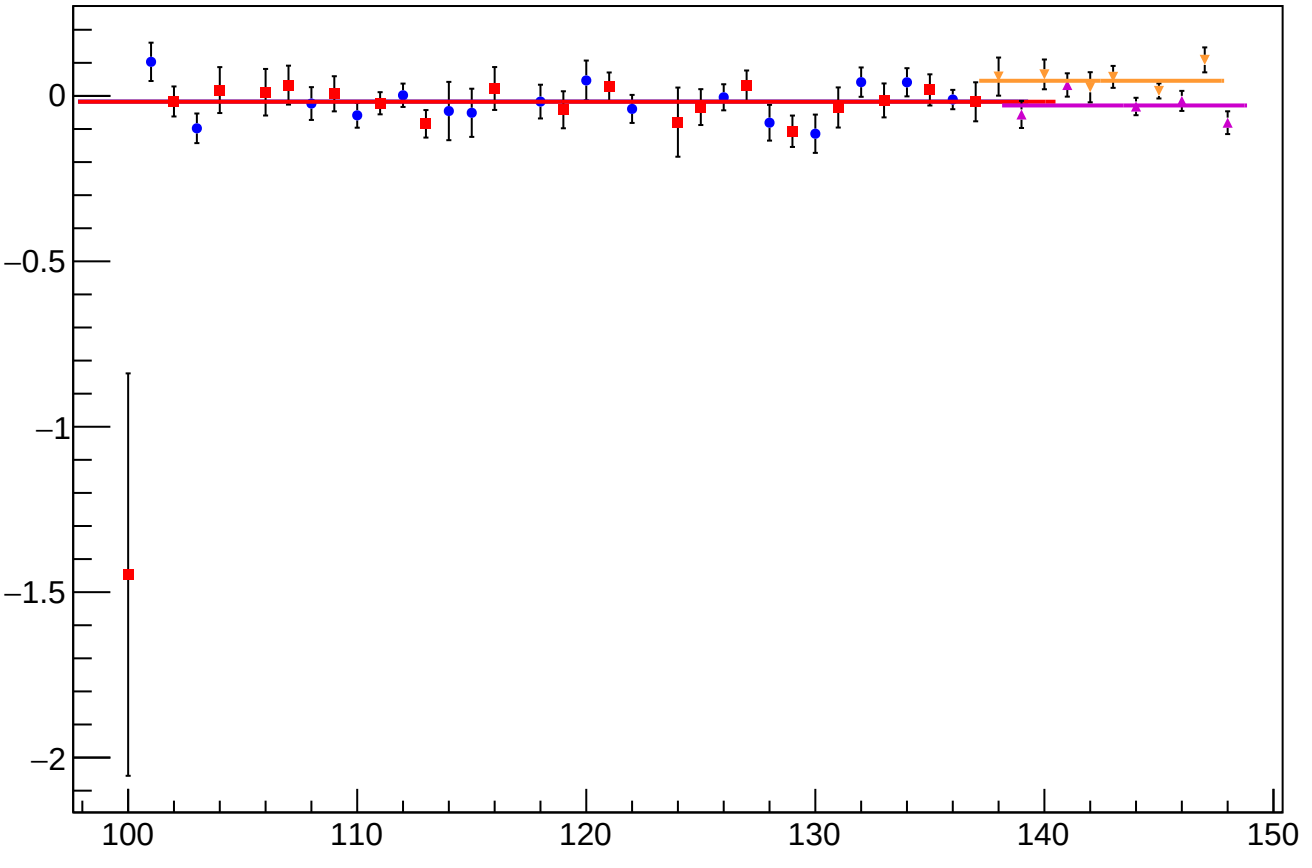
Left: 0.001+/-0.000 χ^2/NDF: 4194605.0/10

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:6509514.8/20

Out: 0.001+/-0.000 χ^2/NDF:7366482.8/24

All: 0.001+/-0.000 χ^2/NDF: 13877024.2/45



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.029+/-0.014 χ^2/NDF:6.0/4

Left: 0.009+/-0.010 χ^2/NDF: 24.5/10

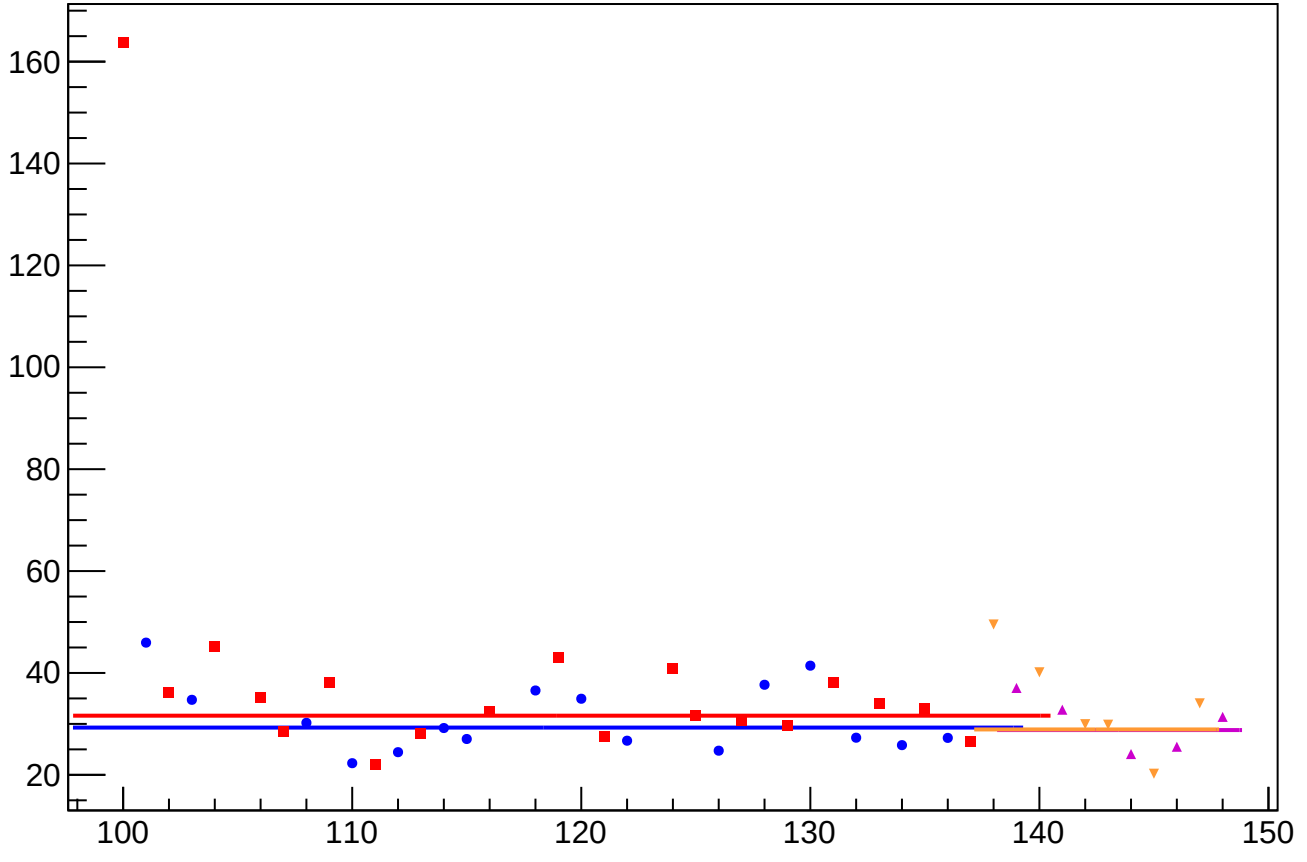
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.007+/-0.006 χ^2/NDF: 64.1/45

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: 28.912+/-0.010 χ^2/NDF:709731.9/5

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

Left: 28.852+/-0.007 χ^2/NDF: 915993.3/10

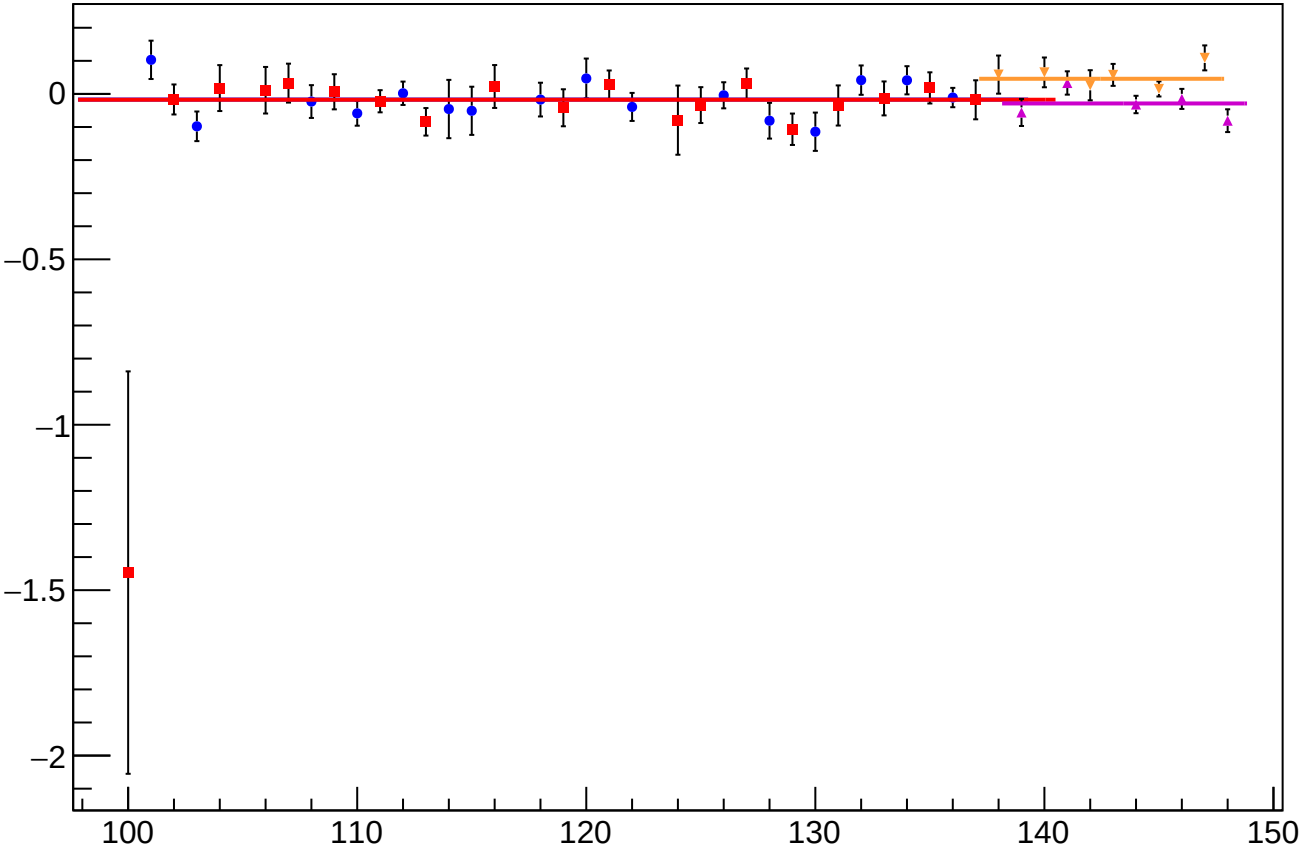
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.093+/-0.006 χ^2/NDF:768253.9/20

Out: 30.497+/-0.007 χ^2/NDF:1323116.2/24

All: 29.769+/-0.005 χ^2/NDF: 2115195.6/45

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.029+/-0.014 χ^2/NDF:6.0/4

Left: 0.009+/-0.010 χ^2/NDF: 24.5/10

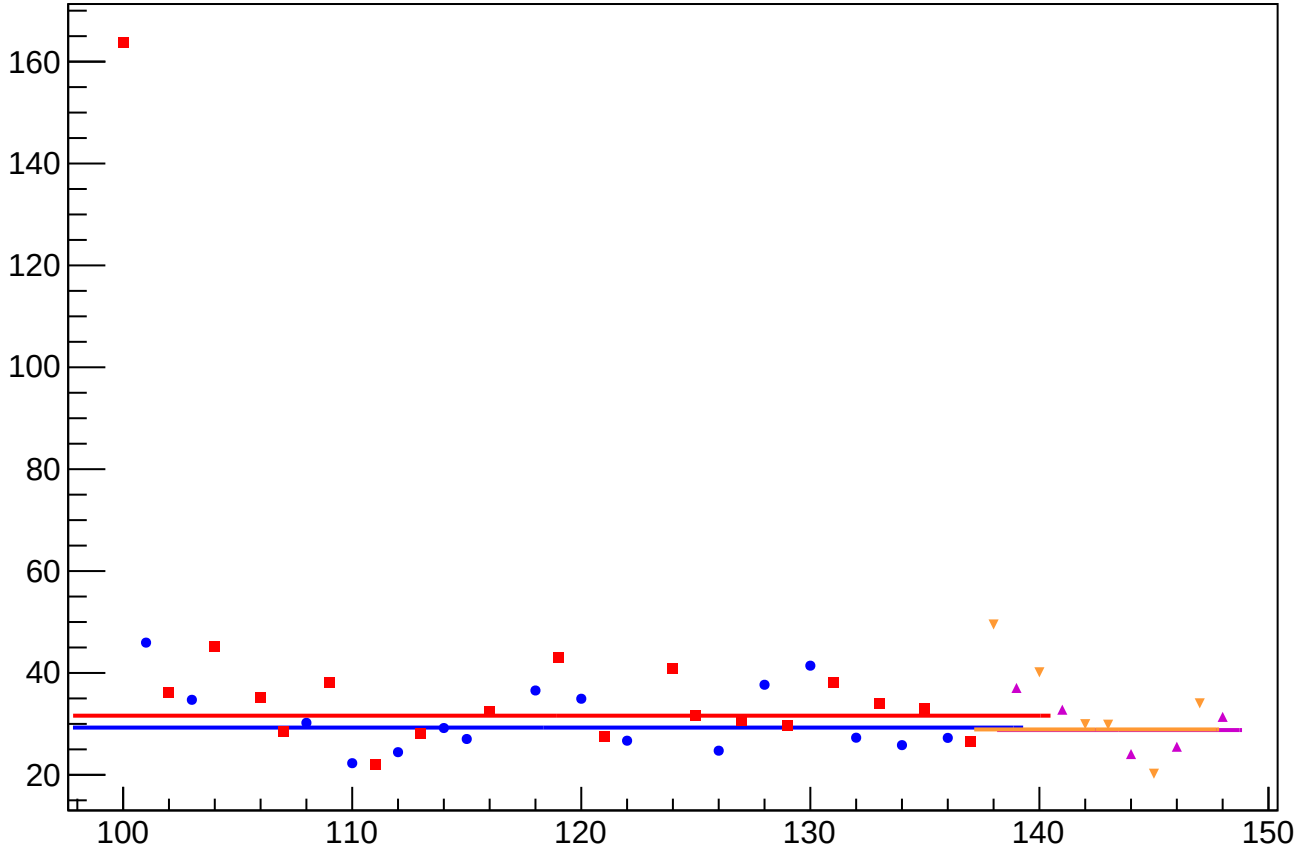
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.007+/-0.006 χ^2/NDF: 64.1/45

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: 28.912+/-0.010 χ^2/NDF:709731.9/5

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

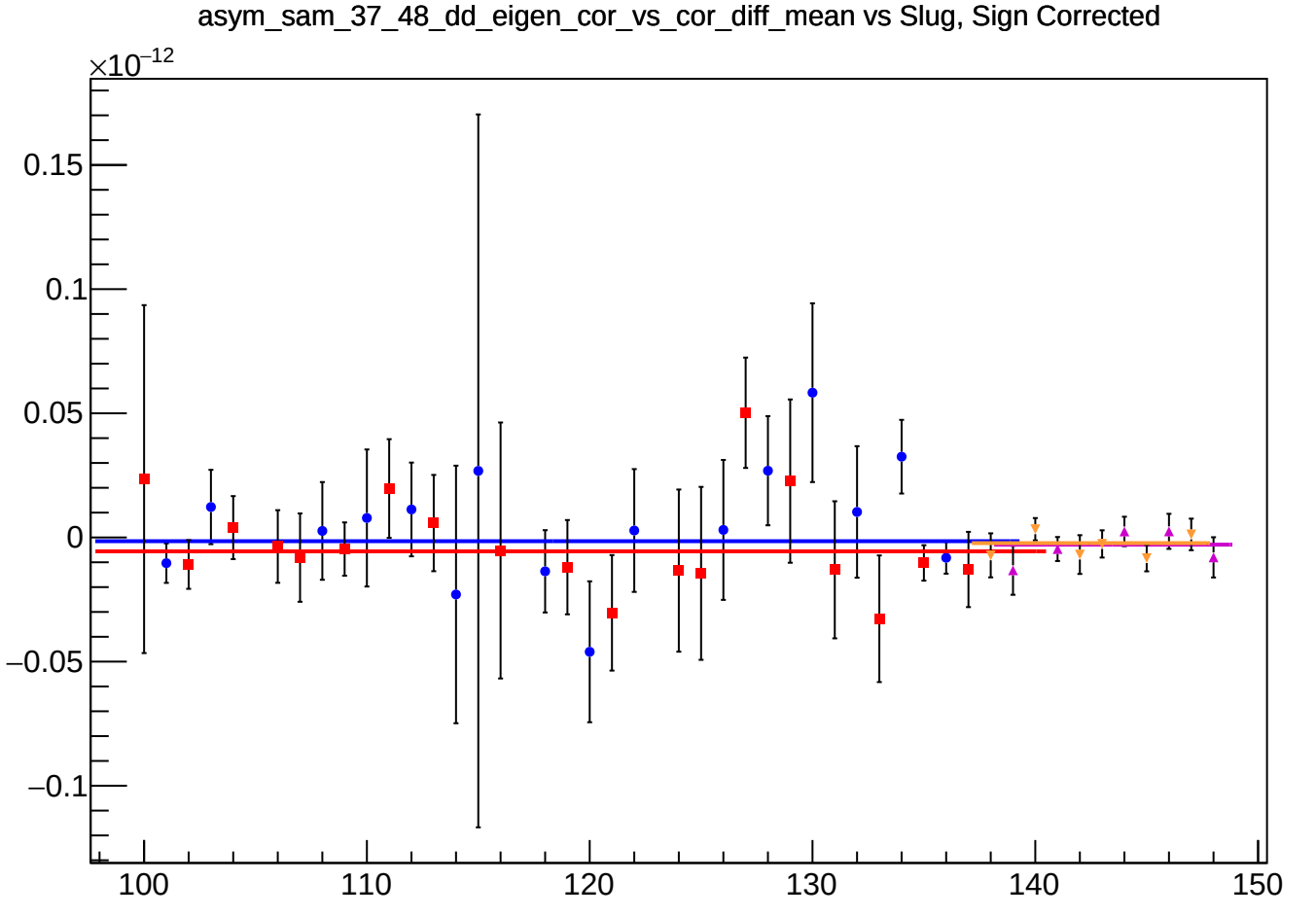
Left: 28.852+/-0.007 χ^2/NDF: 915993.3/10

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.093+/-0.006 χ^2/NDF:768253.9/20

Out: 30.497+/-0.007 χ^2/NDF:1323116.2/24

All: 29.769+/-0.005 χ^2/NDF: 2115195.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/4

Left: -0.000+/-0.000 χ^2/NDF: 6.8/10

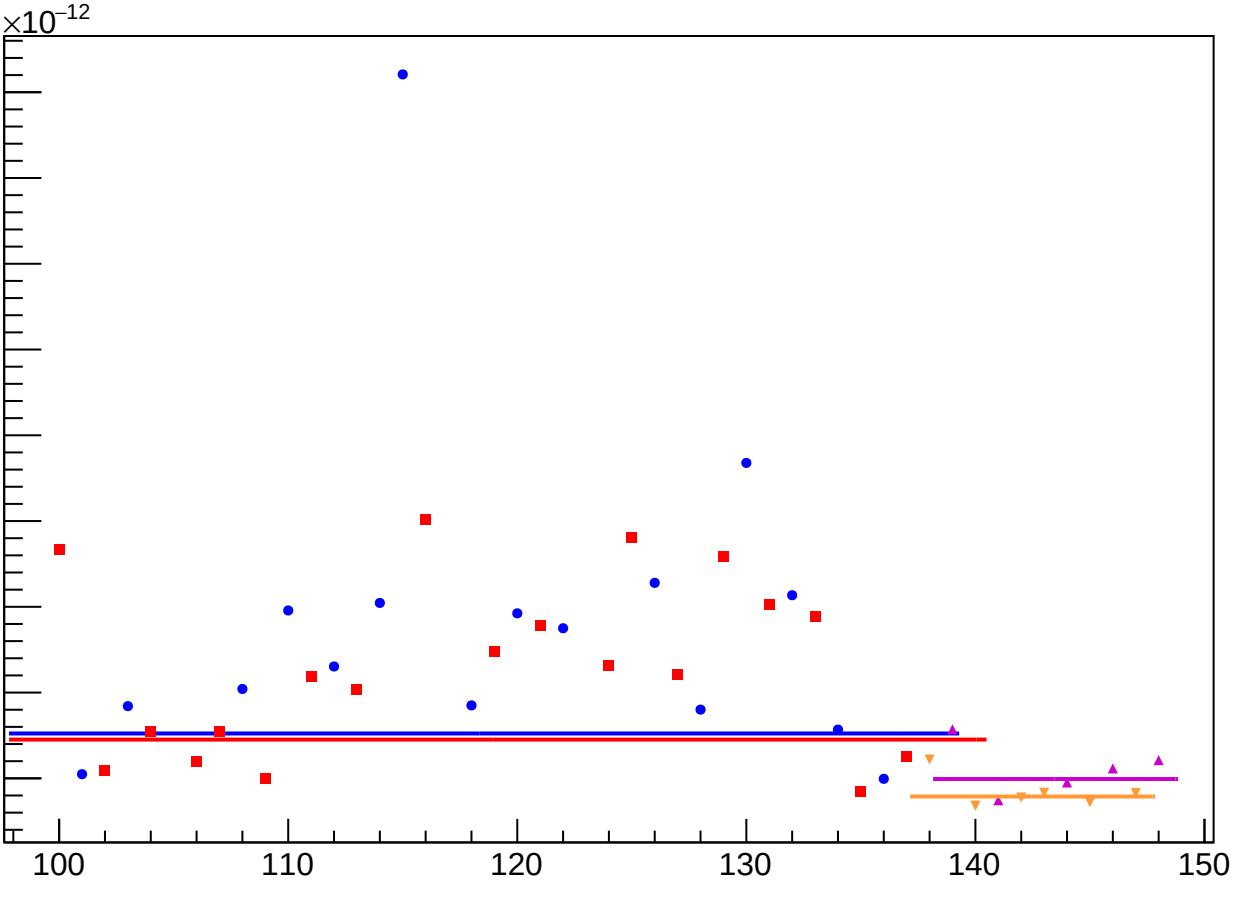
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:20.0/20

Out: -0.000+/-0.000 χ^2/NDF:17.7/24

All: -0.000+/-0.000 χ^2/NDF: 37.8/45

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:160409.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:358539.7/4

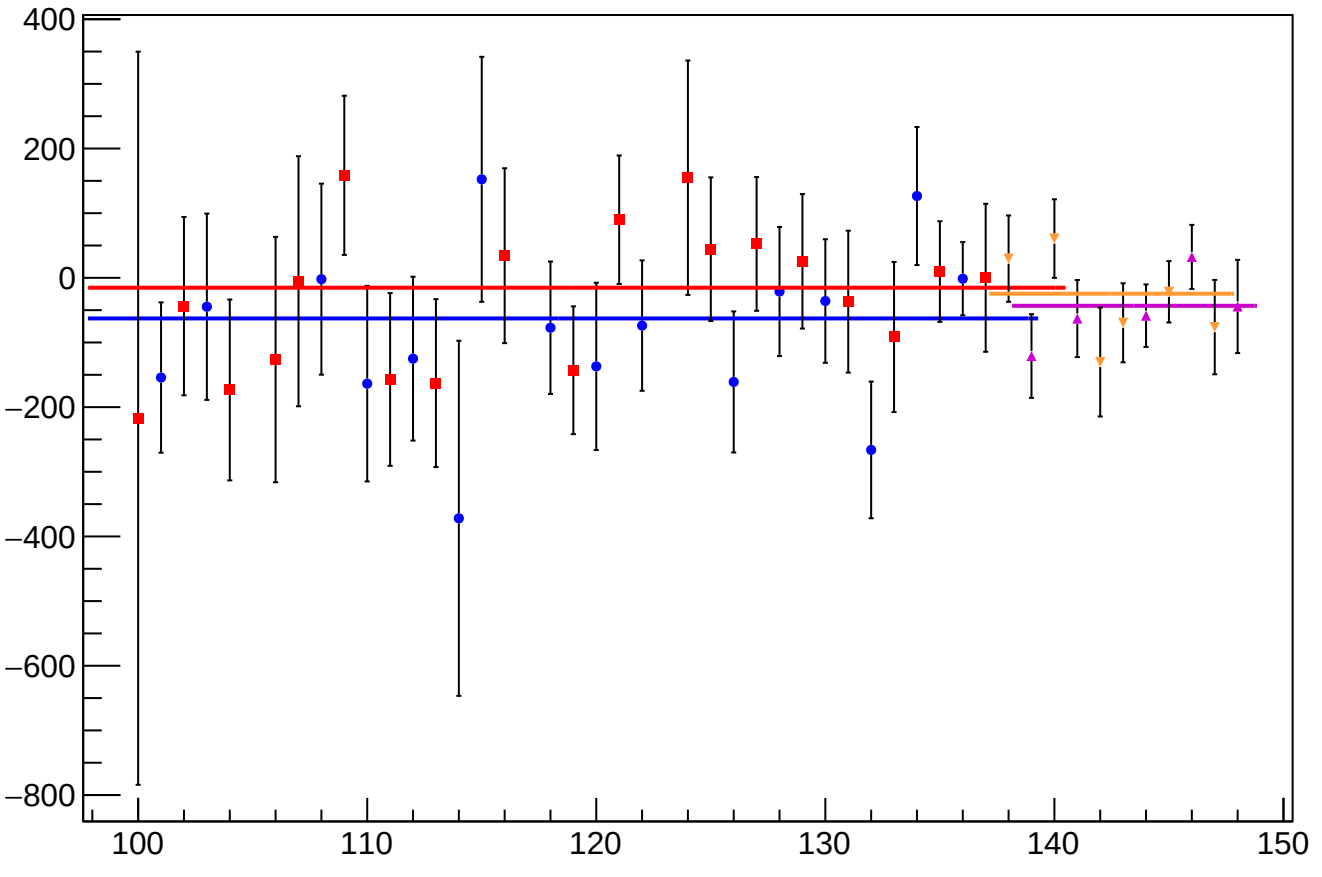
Left: 0.000+/-0.000 χ^2/NDF: 664295.1/10

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2987912.5/20

Out: 0.000+/-0.000 χ^2/NDF:3310715.9/24

All: 0.000+/-0.000 χ^2/NDF: 6507663.5/45



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.568+/-25.520 χ^2/NDF:5.2/5

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -43.252+/-25.414 χ^2/NDF:4.0/4

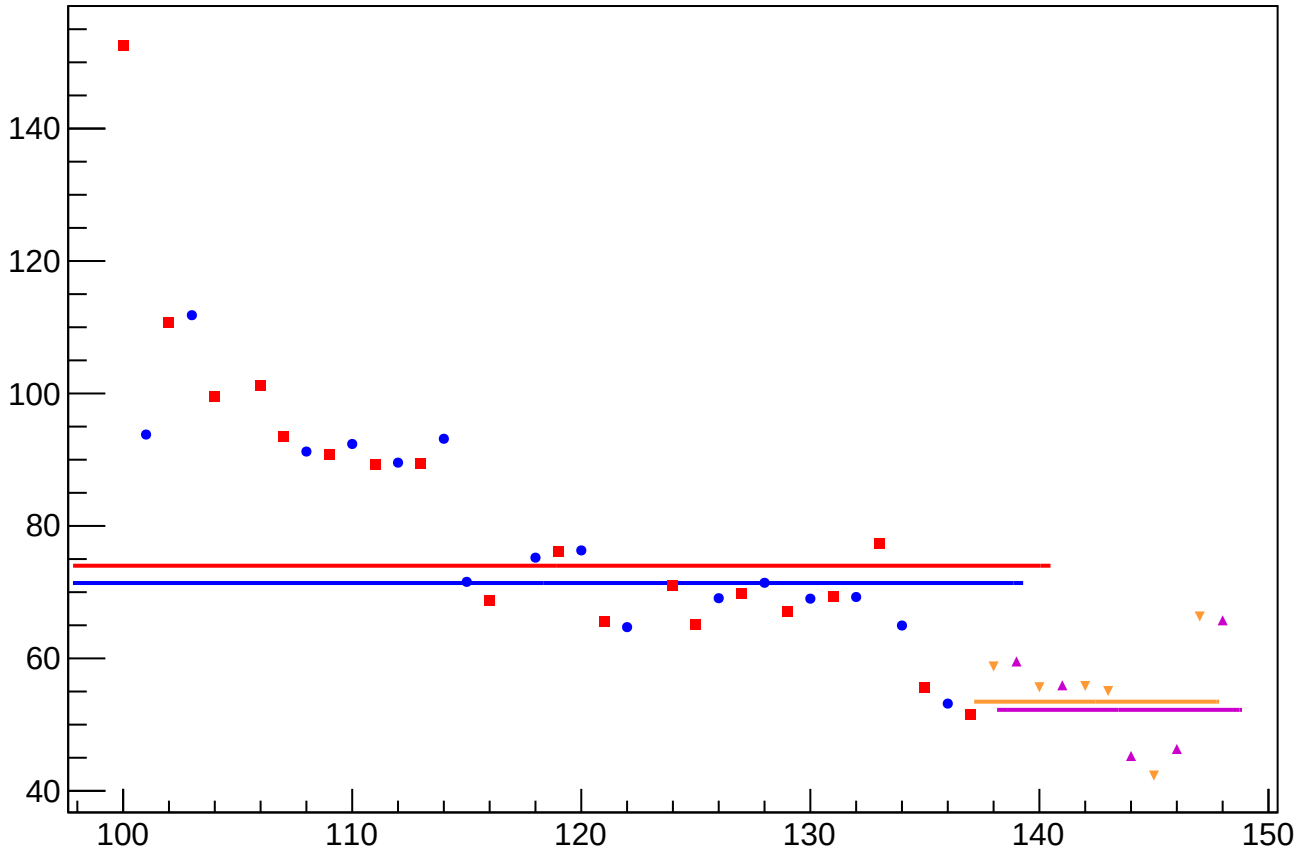
Left: -33.949+/-18.008 χ^2/NDF: 9.5/10

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -52.357+/-18.574 χ^2/NDF:17.7/20

Out: -20.319+/-18.791 χ^2/NDF:16.8/24

All: -36.524+/-13.210 χ^2/NDF: 36.0/45



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.3/4

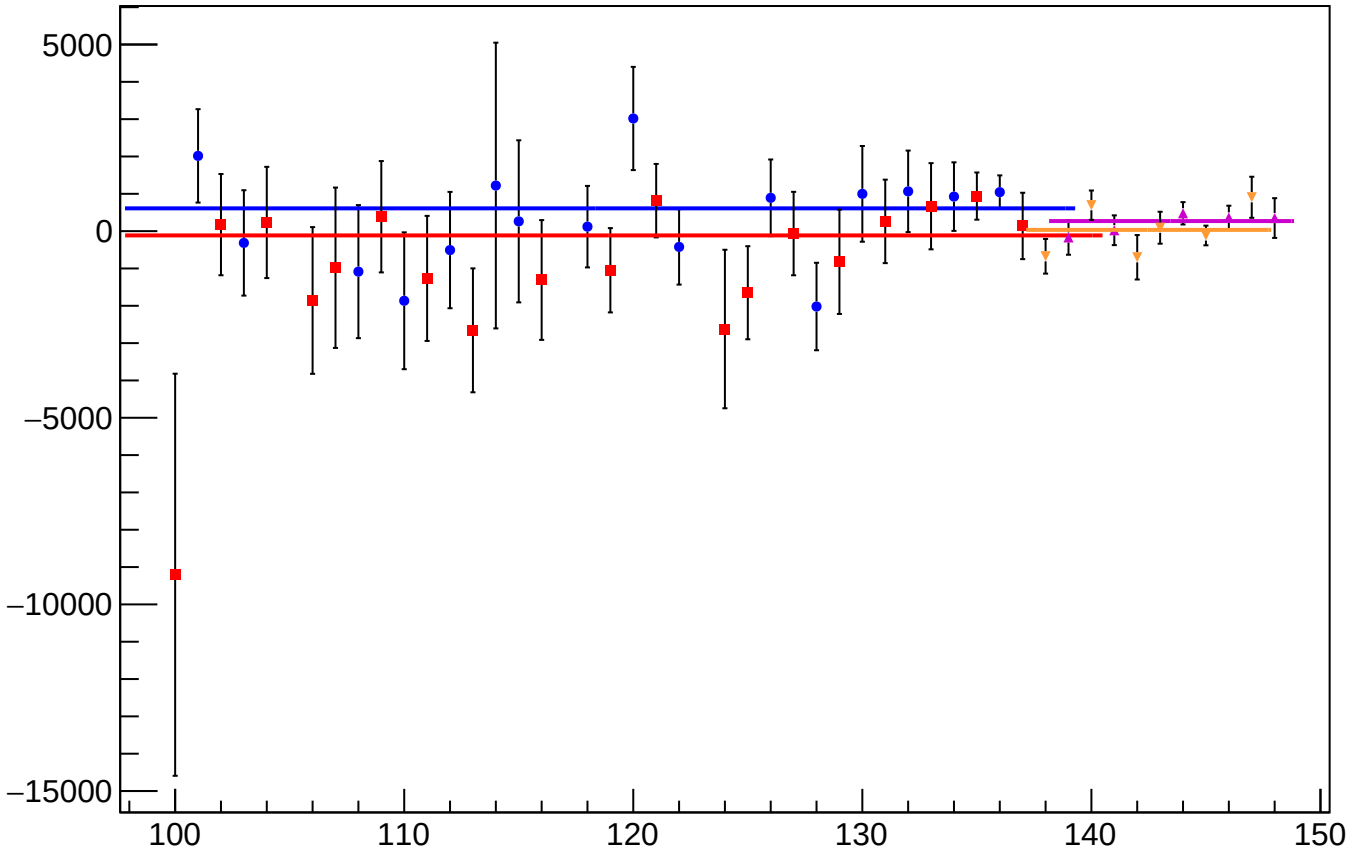
Left: 52.848+/-0.013 χ^2/NDF: 366930.9/10

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 61.155+/-0.013 χ^2/NDF:1293578.5/20

Out: 62.866+/-0.013 χ^2/NDF:1421741.7/24

All: 62.000+/-0.009 χ^2/NDF: 2723706.7/45



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 33.495+/-164.260 χ^2/NDF:9.5/5

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 269.843+/-167.395 χ^2/NDF:1.9/4

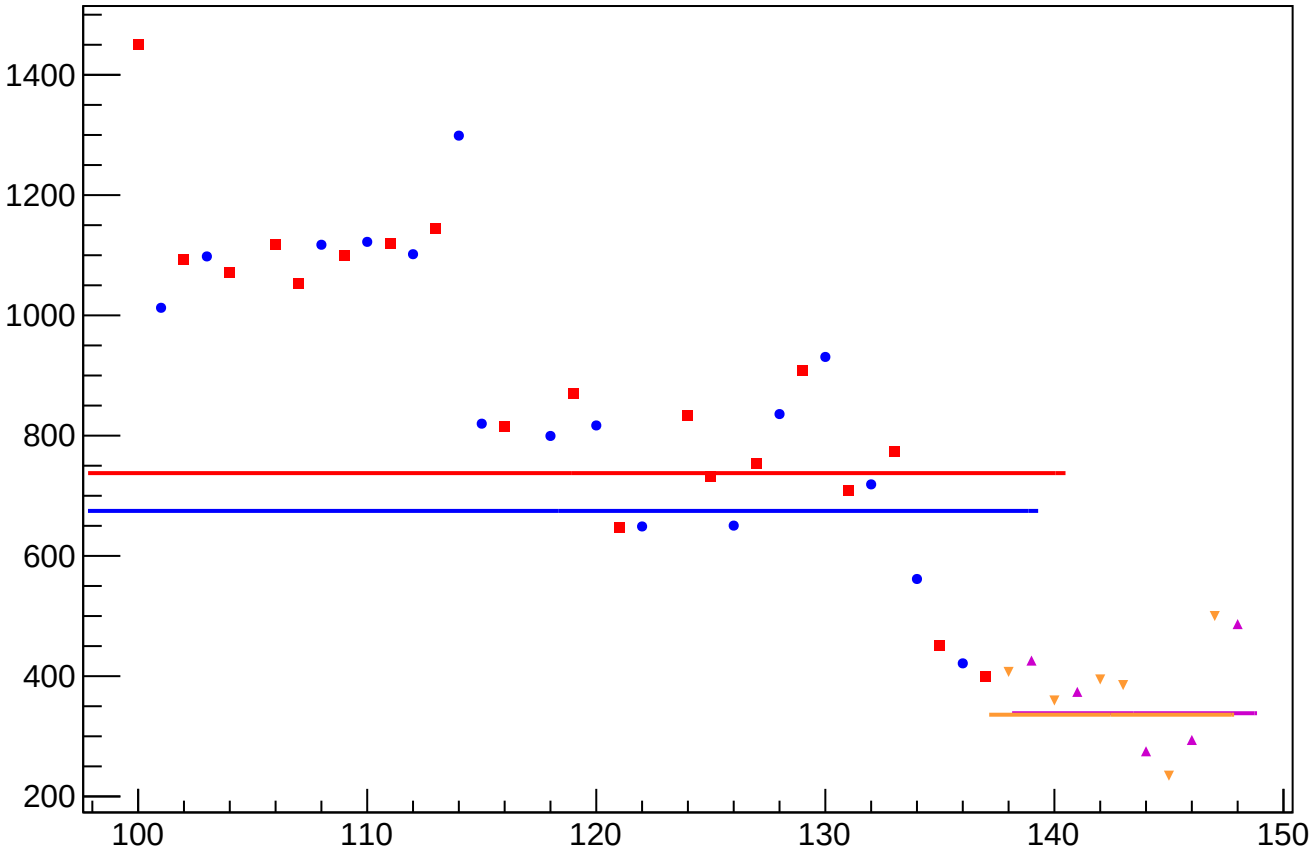
Left: 149.435+/-117.242 χ^2/NDF: 12.4/10

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 366.082+/-141.797 χ^2/NDF:18.7/20

Out: -3.575+/-142.229 χ^2/NDF:25.3/24

All: 181.816+/-100.418 χ^2/NDF: 47.4/45



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 335.916+/-0.116 χ^2/NDF:573691.7/5

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 338.375+/-0.118 χ^2/NDF:371244.9/4

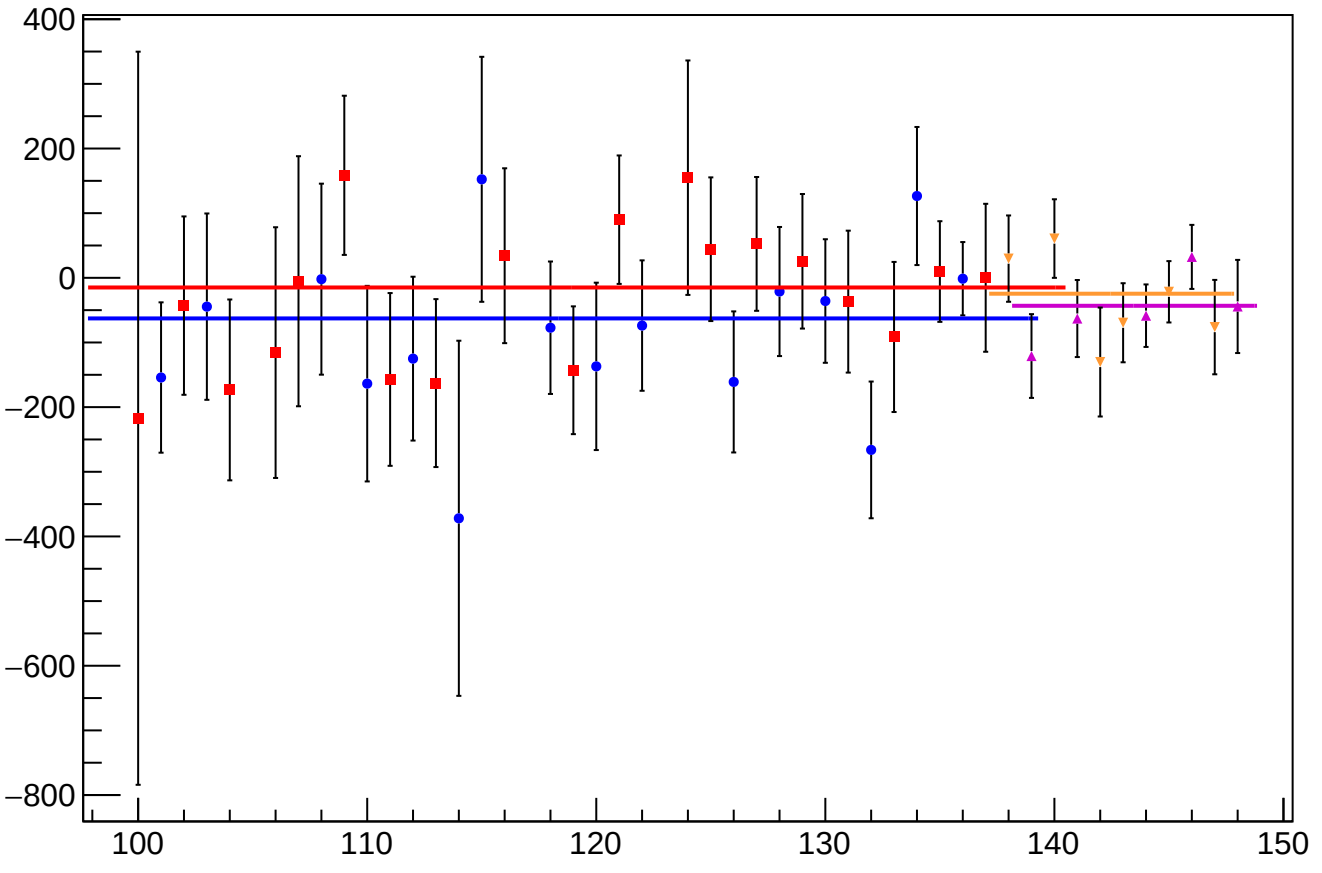
Left: 337.122+/-0.083 χ^2/NDF: 945156.4/10

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 433.410+/-0.100 χ^2/NDF:4271040.6/20

Out: 436.459+/-0.101 χ^2/NDF:5084645.1/24

All: 434.930+/-0.071 χ^2/NDF: 9356146.7/45



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.565+/-25.520 χ^2/NDF:5.2/5

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.252+/-25.414 χ^2/NDF:4.0/4

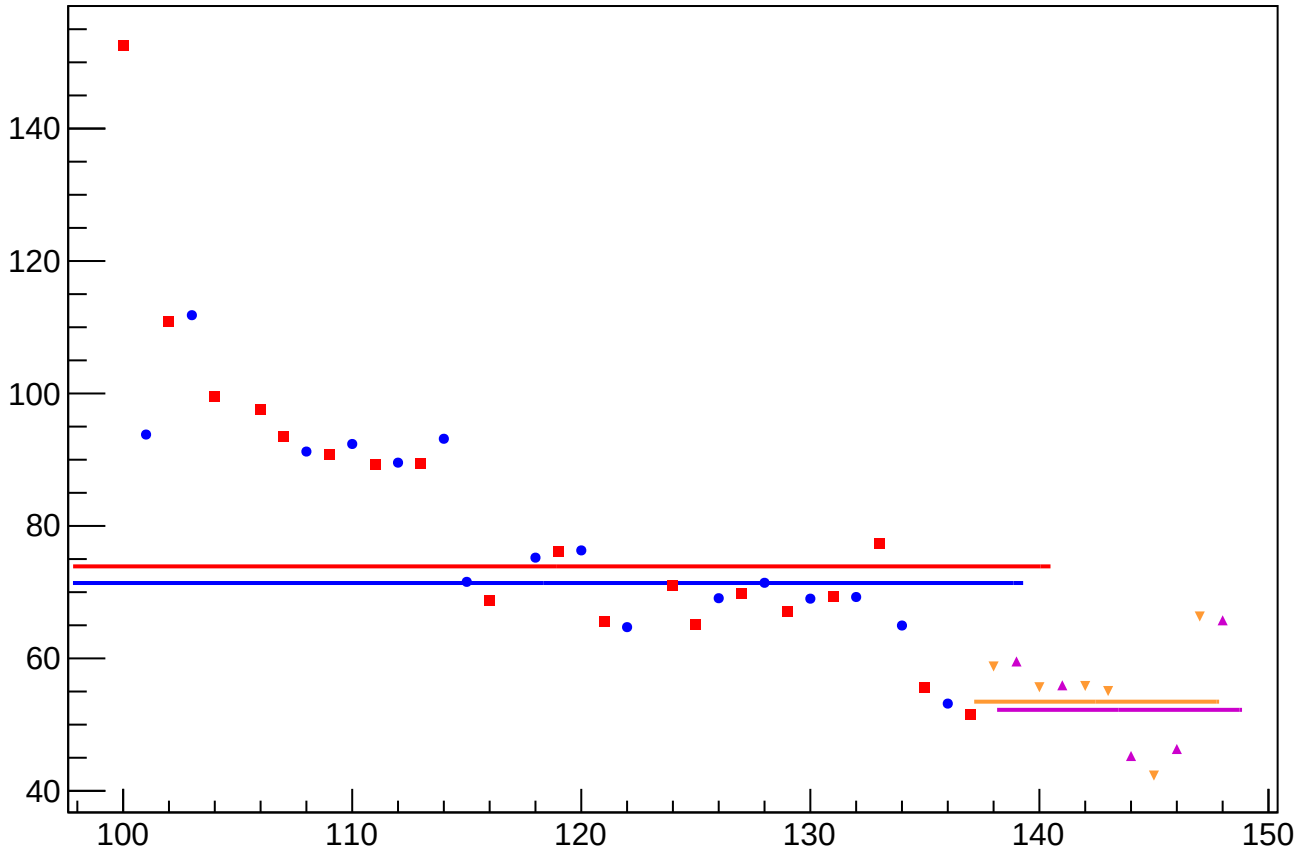
Left: -33.947+/-18.008 χ^2/NDF: 9.5/10

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.353+/-18.574 χ^2/NDF:17.7/20

Out: -20.157+/-18.795 χ^2/NDF:16.7/24

All: -36.445+/-13.211 χ^2/NDF: 35.9/45



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

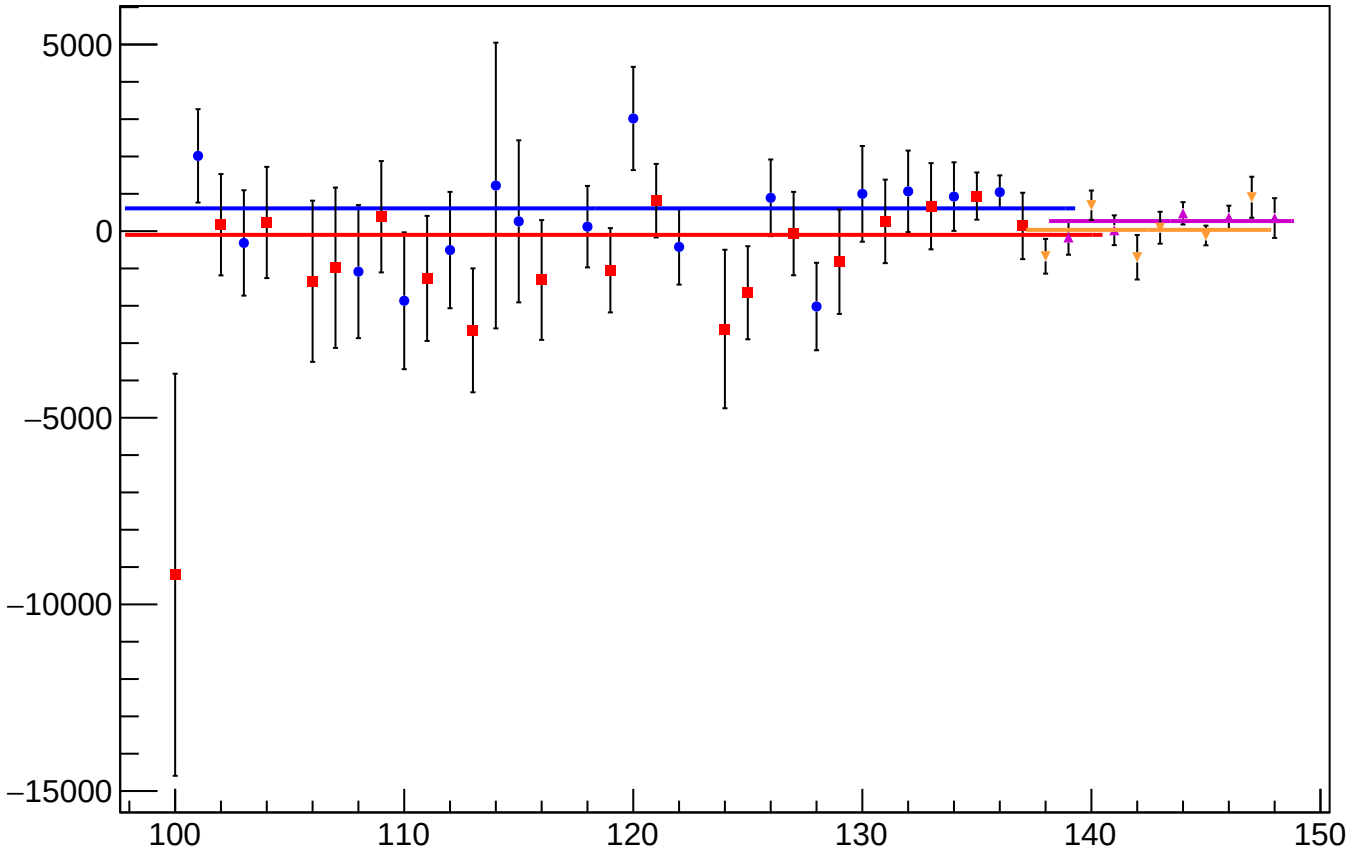
Left: 52.848+/-0.013 χ^2/NDF: 366930.9/10

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 61.155+/-0.013 χ^2/NDF:1293581.1/20

Out: 62.815+/-0.013 χ^2/NDF:1404263.7/24

All: 61.975+/-0.009 χ^2/NDF: 2705741.8/45



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 269.839+/-167.395 χ^2/NDF:1.9/4

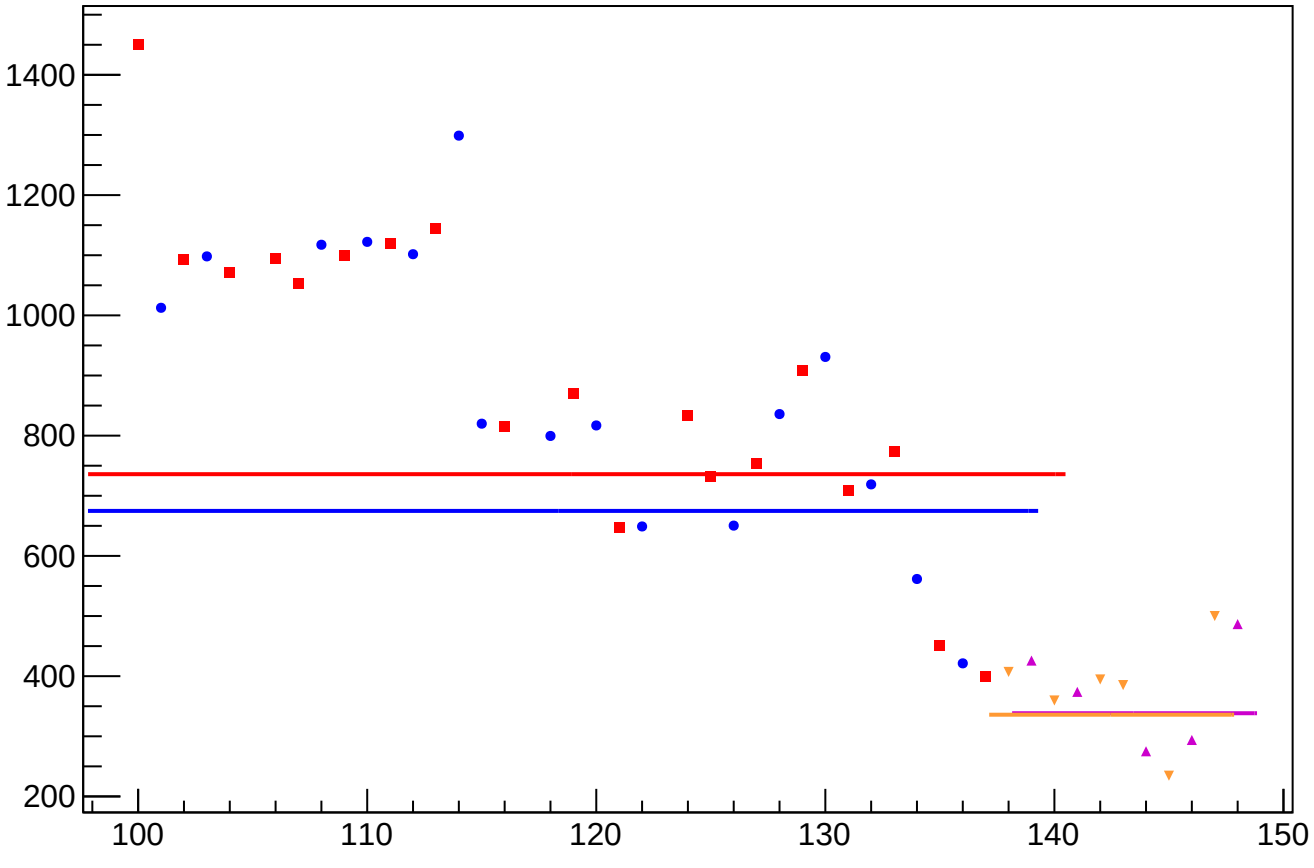
Left: 149.432+/-117.242 χ^2/NDF: 12.4/10

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 366.076+/-141.797 χ^2/NDF:18.7/20

Out: 0.289+/-142.293 χ^2/NDF:24.8/24

All: 183.821+/-100.441 χ^2/NDF: 46.8/45



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 335.916+/-0.116 χ^2/NDF:573697.2/5

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

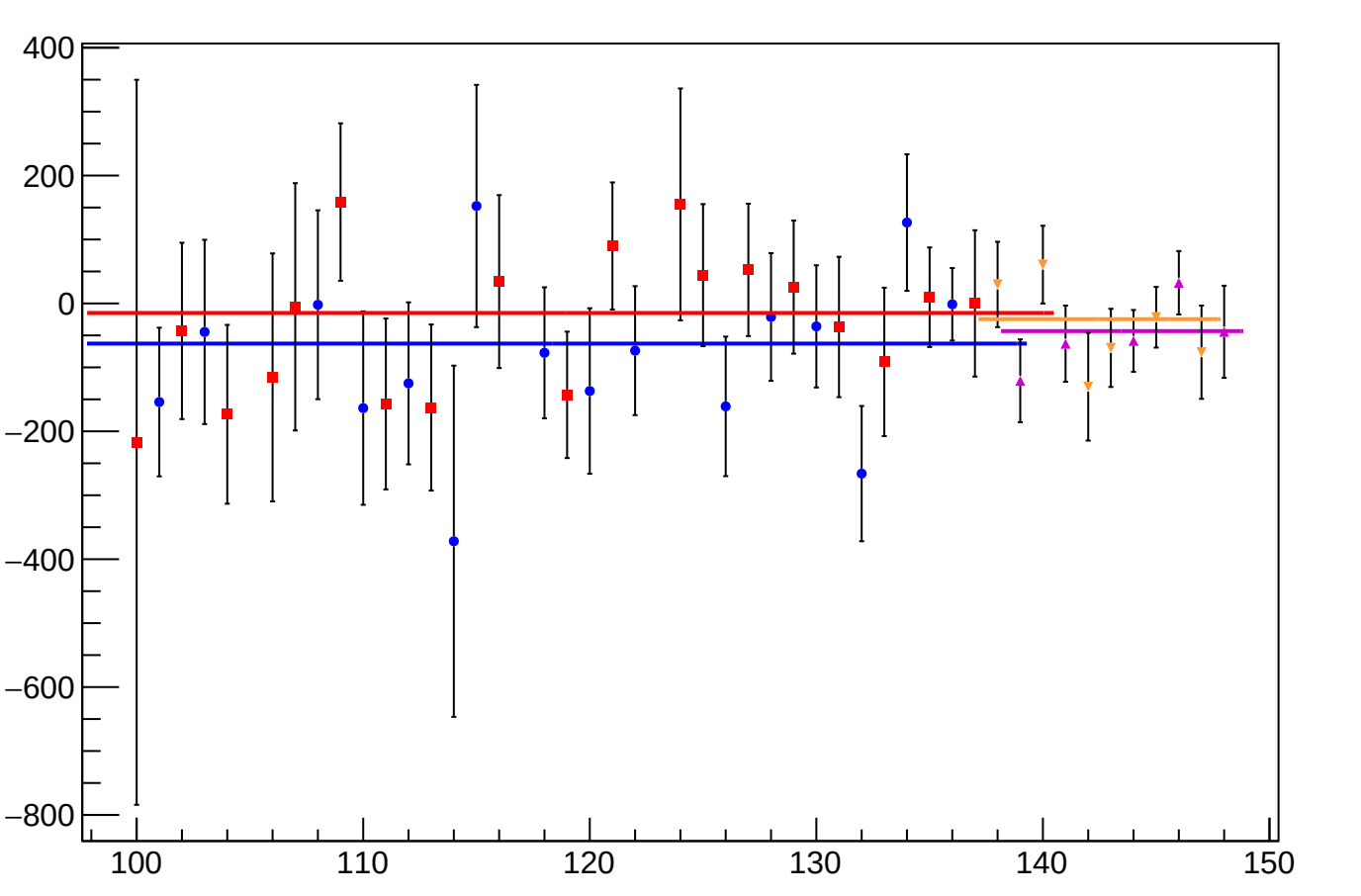
Left: 337.122+/-0.083 χ^2/NDF: 945162.2/10

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.410+/-0.100 χ^2/NDF:4271064.7/20

Out: 435.746+/-0.101 χ^2/NDF:5030674.7/24

All: 434.574+/-0.071 χ^2/NDF: 9302009.9/45



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.565+/-25.520 χ^2/NDF:5.2/5

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.252+/-25.414 χ^2/NDF:4.0/4

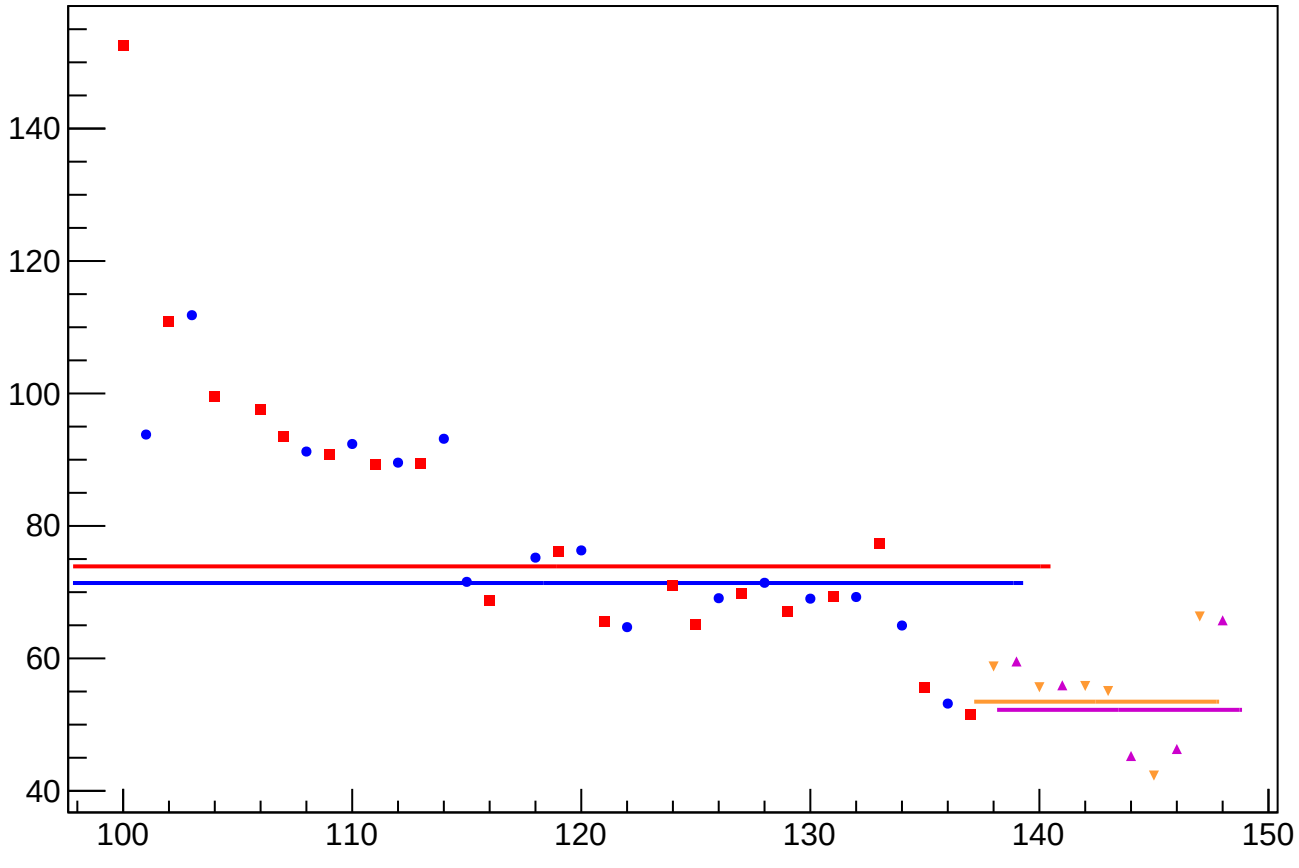
Left: -33.947+/-18.008 χ^2/NDF: 9.5/10

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.353+/-18.574 χ^2/NDF:17.7/20

Out: -20.157+/-18.795 χ^2/NDF:16.7/24

All: -36.445+/-13.211 χ^2/NDF: 35.9/45



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

Left: 52.848+/-0.013 χ^2/NDF: 366930.9/10

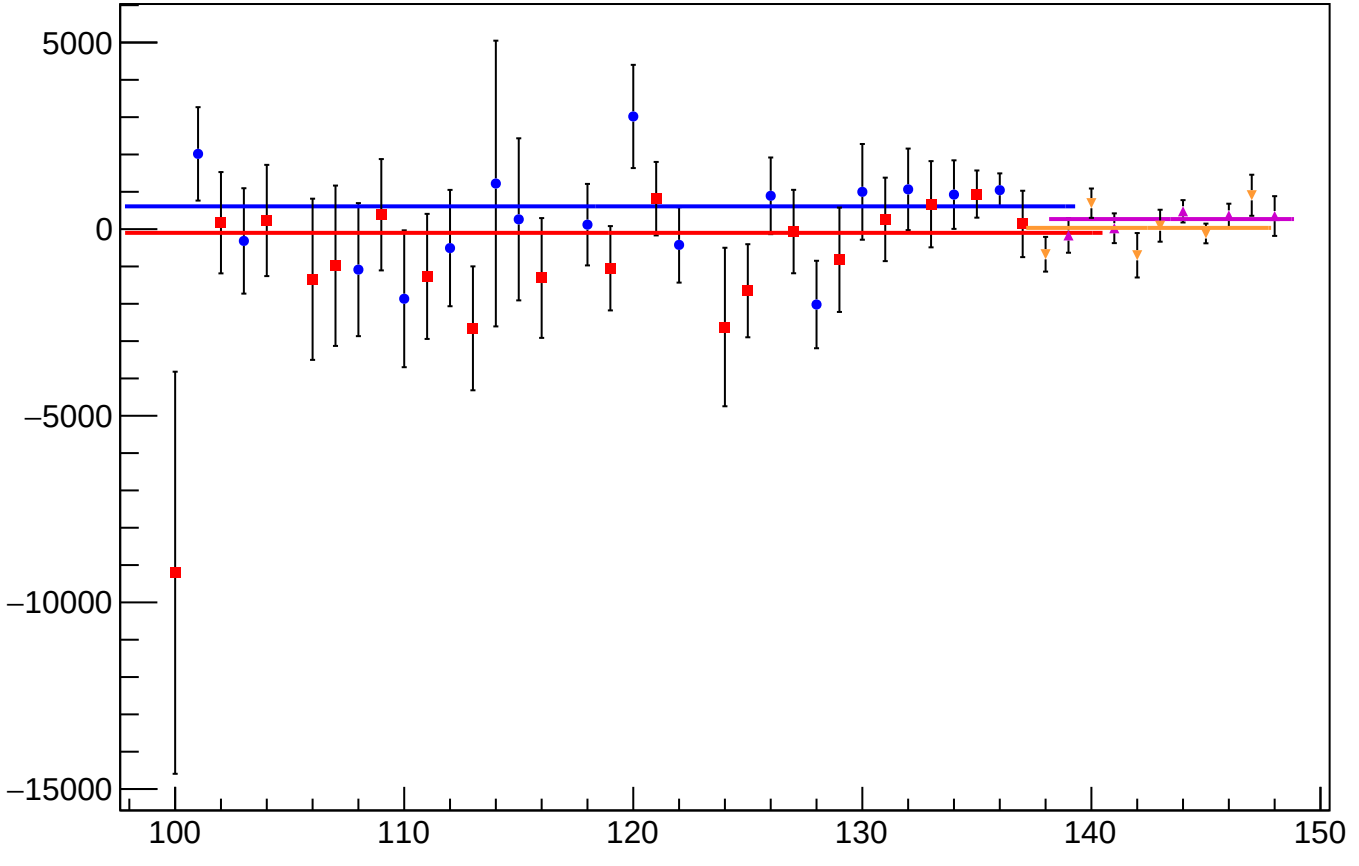
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 61.155+/-0.013 χ^2/NDF:1293581.1/20

Out: 62.815+/-0.013 χ^2/NDF:1404263.7/24

All: 61.975+/-0.009 χ^2/NDF: 2705741.8/45

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 269.839+/-167.395 χ^2/NDF:1.9/4

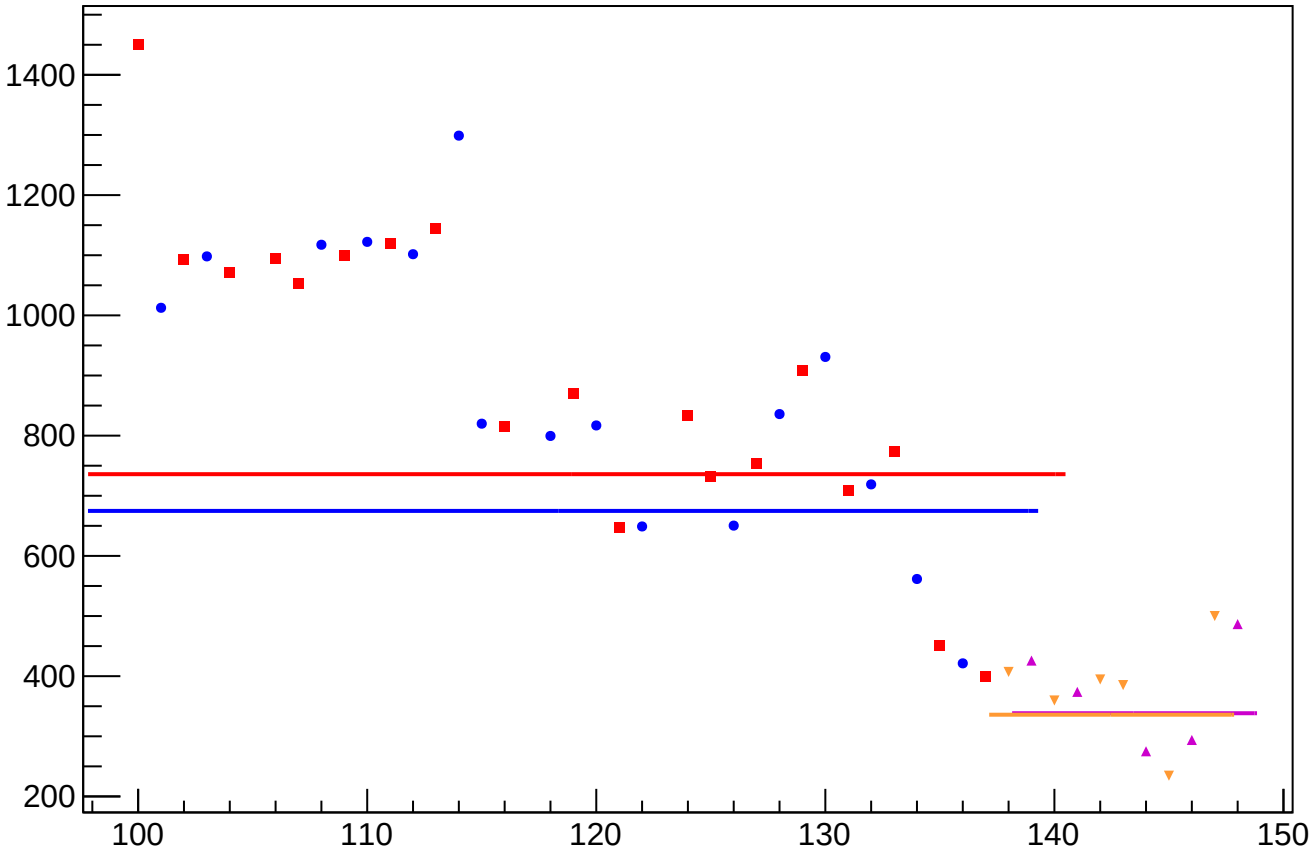
Left: 149.432+/-117.242 χ^2/NDF: 12.4/10

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 366.076+/-141.797 χ^2/NDF:18.7/20

Out: 0.289+/-142.293 χ^2/NDF:24.8/24

All: 183.821+/-100.441 χ^2/NDF: 46.8/45



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 335.916+/-0.116 χ^2/NDF:573697.2/5

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

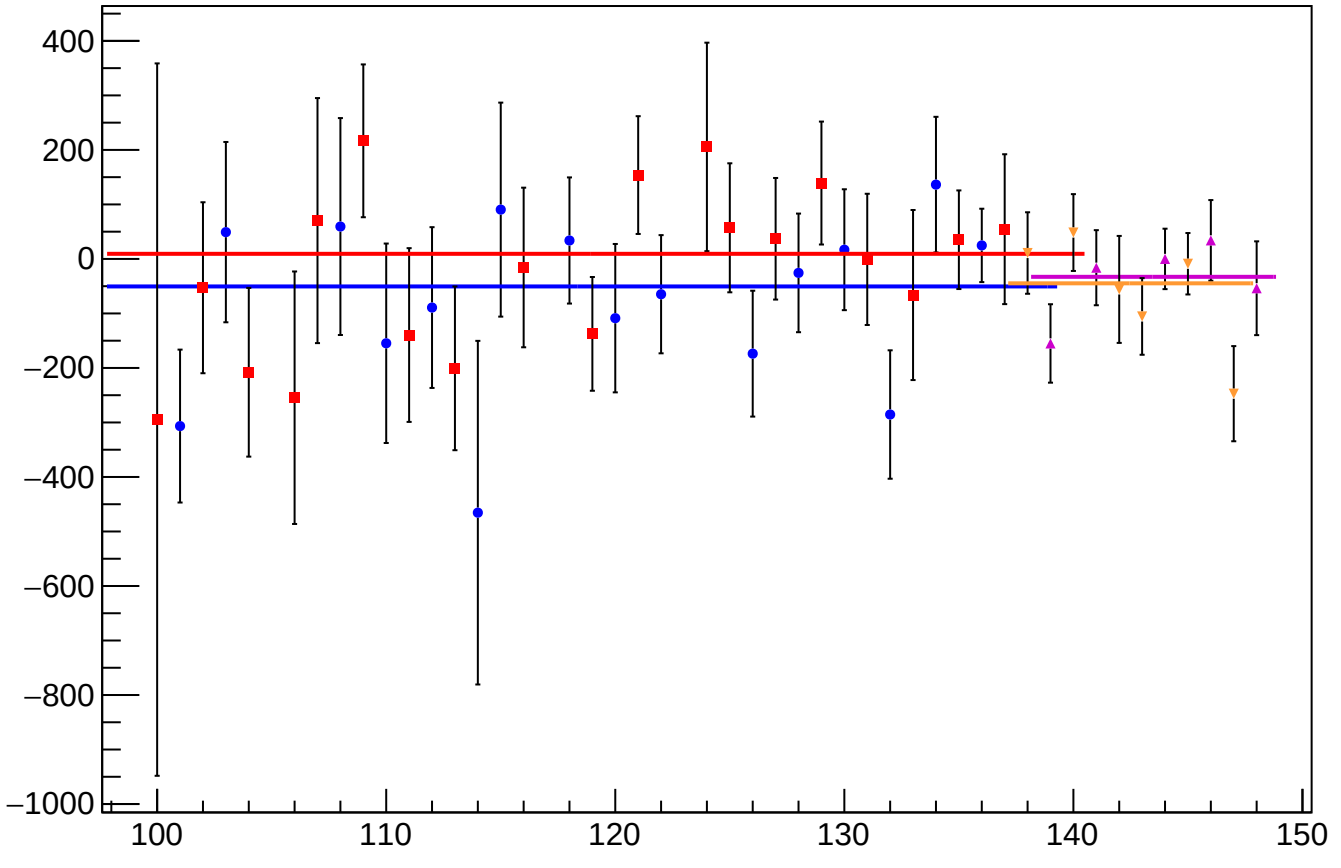
Left: 337.122+/-0.083 χ^2/NDF: 945162.2/10

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.410+/-0.100 χ^2/NDF:4271064.7/20

Out: 435.746+/-0.101 χ^2/NDF:5030674.7/24

All: 434.574+/-0.071 χ^2/NDF: 9302009.9/45



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -44.759+/-29.711 χ^2/NDF:8.8/5

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -32.817+/-30.899 χ^2/NDF:4.2/4

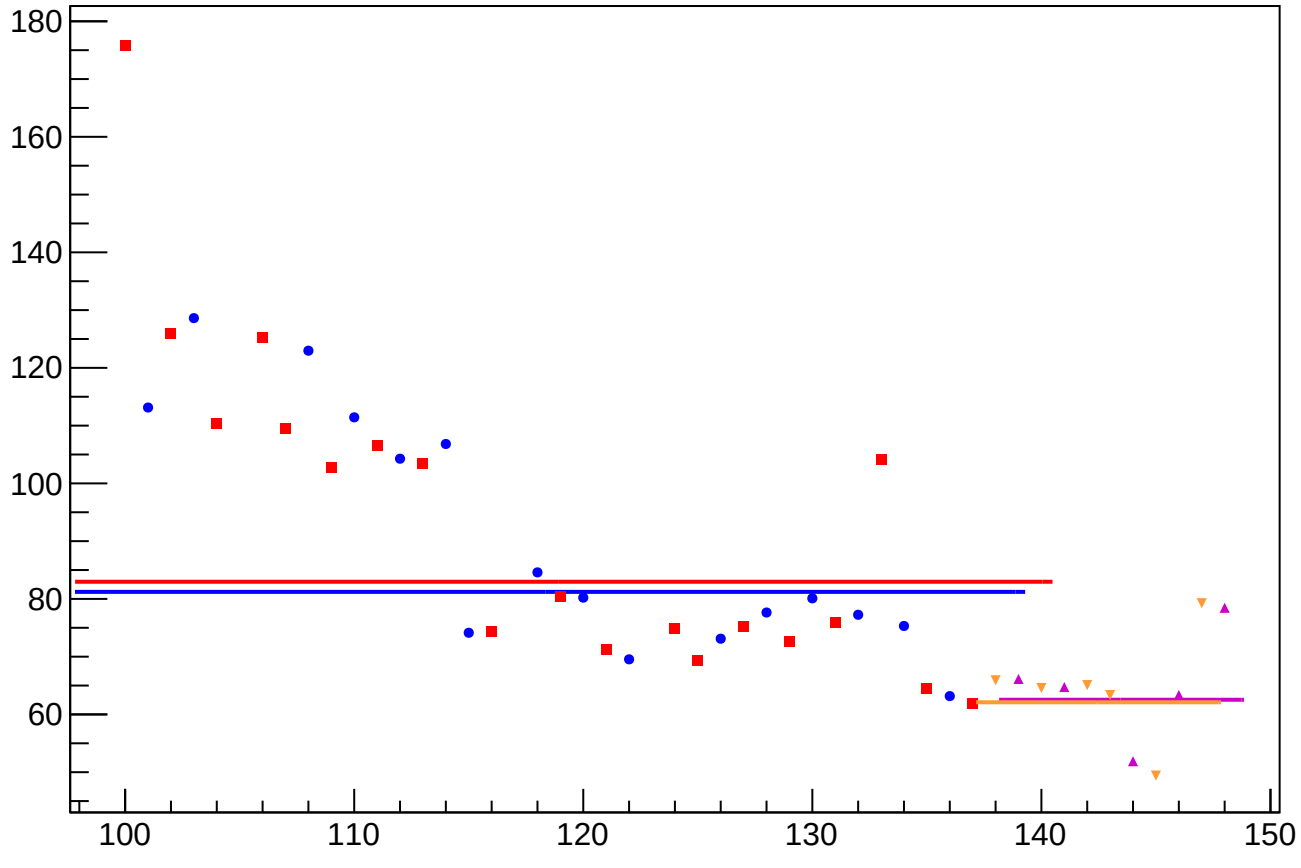
Left: -39.022+/-21.417 χ^2/NDF: 13.1/10

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -41.595+/-21.906 χ^2/NDF:20.8/20

Out: -19.041+/-21.528 χ^2/NDF:26.0/24

All: -30.122+/-15.354 χ^2/NDF: 47.3/45



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.101+/-0.021 χ^2/NDF:188720.4/5

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.542+/-0.022 χ^2/NDF:149529.8/4

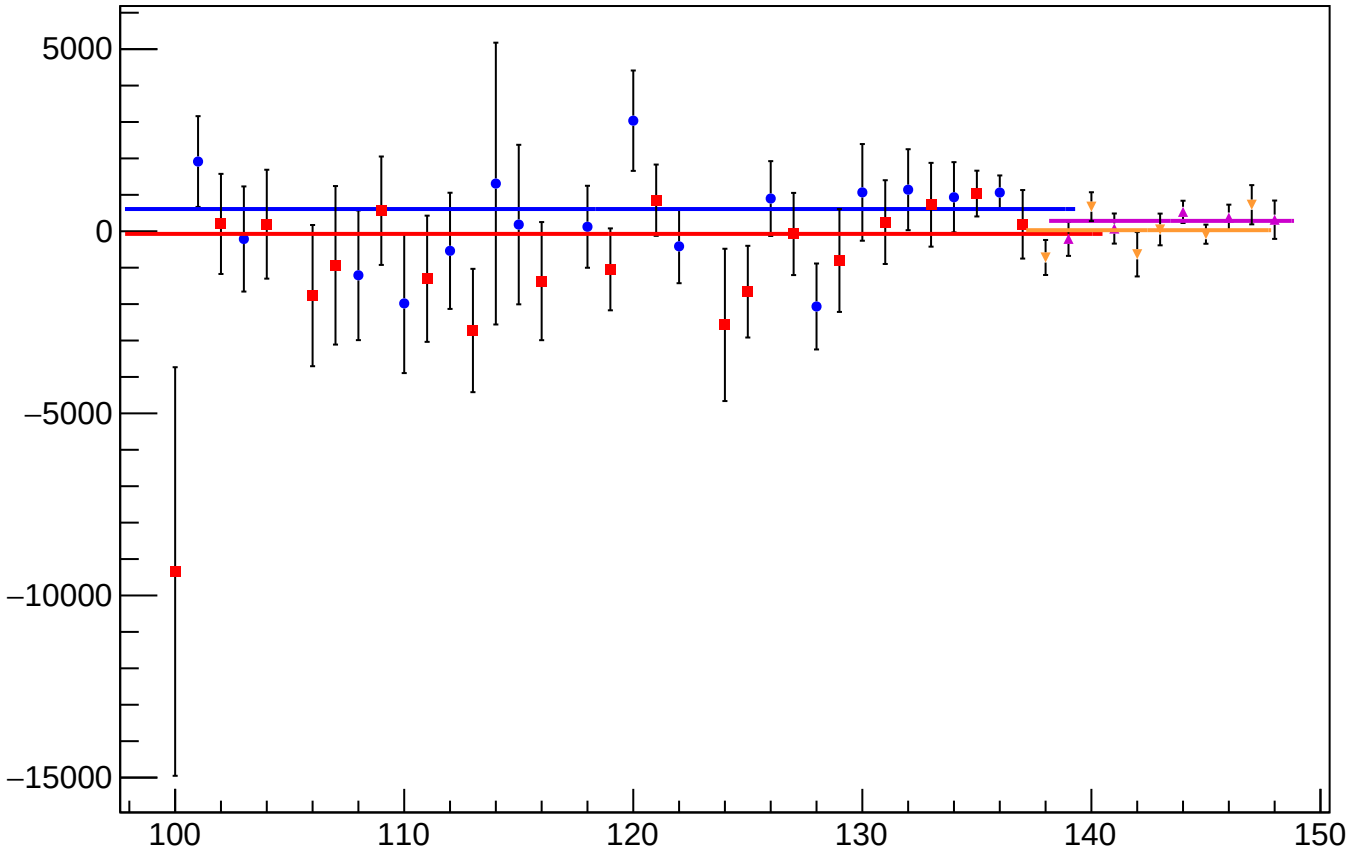
Left: 62.313+/-0.015 χ^2/NDF: 338462.0/10

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.831+/-0.015 χ^2/NDF:1175815.6/20

Out: 72.015+/-0.015 χ^2/NDF:1387855.7/24

All: 71.924+/-0.011 χ^2/NDF: 2563742.7/45



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 29.626+/-165.158 χ^2/NDF:8.1/5

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 284.947+/-174.926 χ^2/NDF:2.1/4

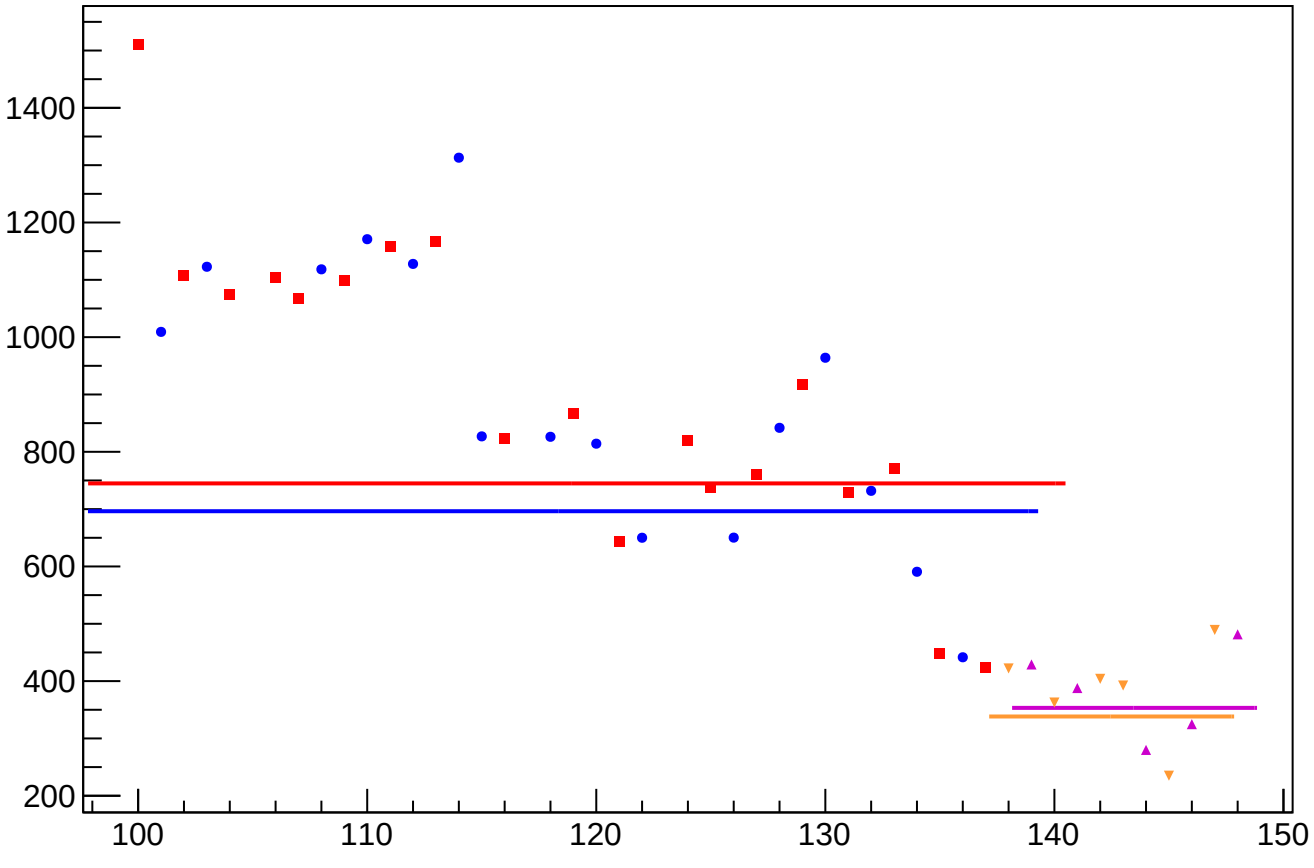
Left: 149.959+/-120.089 χ^2/NDF: 11.4/10

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 379.189+/-147.438 χ^2/NDF:18.9/20

Out: 4.244+/-143.127 χ^2/NDF:24.4/24

All: 186.154+/-102.696 χ^2/NDF: 46.6/45



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 338.279+/-0.117 χ^2/NDF:589728.2/5

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 353.309+/-0.124 χ^2/NDF:313421.8/4

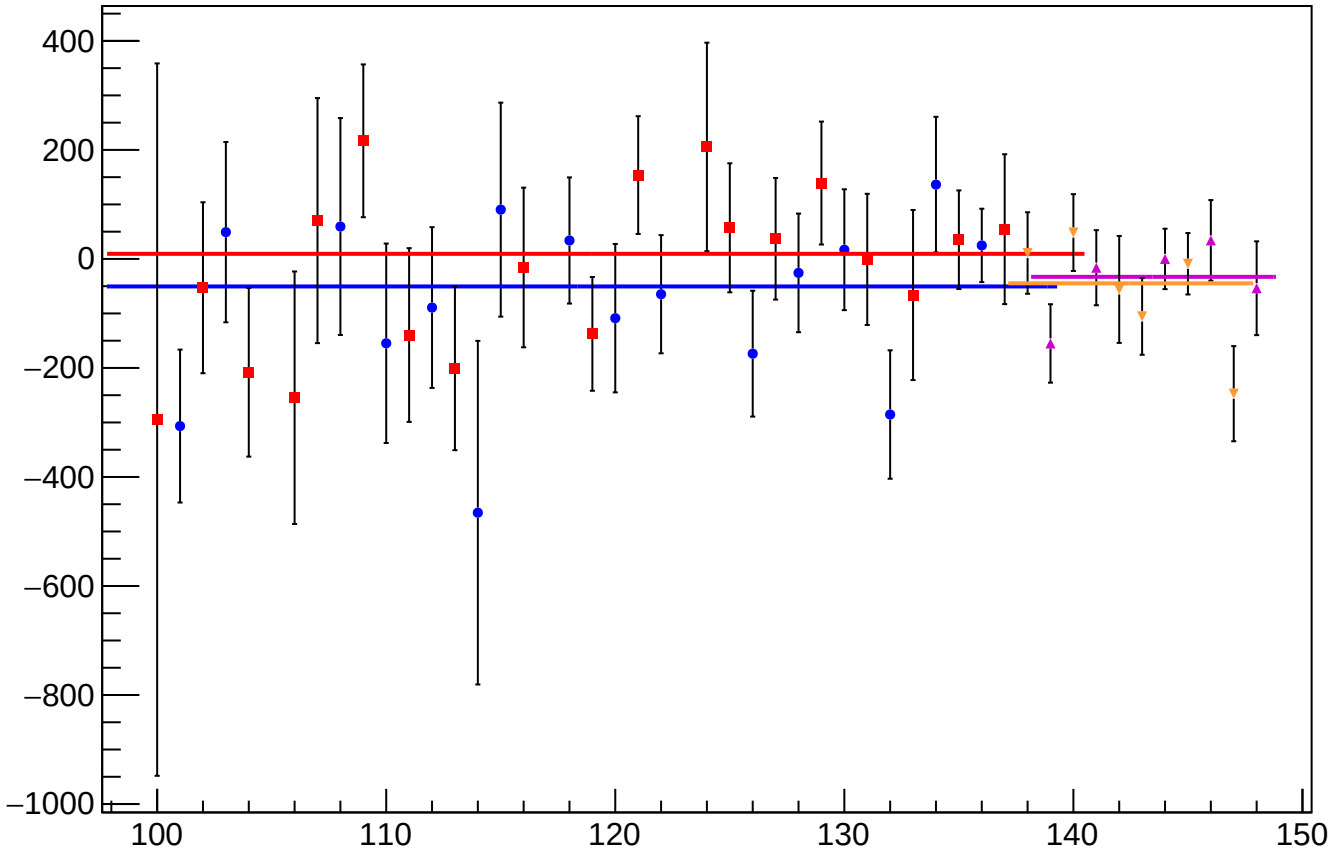
Left: 345.363+/-0.085 χ^2/NDF: 910956.4/10

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 452.655+/-0.104 χ^2/NDF:4056525.1/20

Out: 439.520+/-0.101 χ^2/NDF:5106292.0/24

All: 445.893+/-0.073 χ^2/NDF: 9170989.8/45



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -44.758+/-29.712 χ^2/NDF:8.8/5

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -32.816+/-30.899 χ^2/NDF:4.2/4

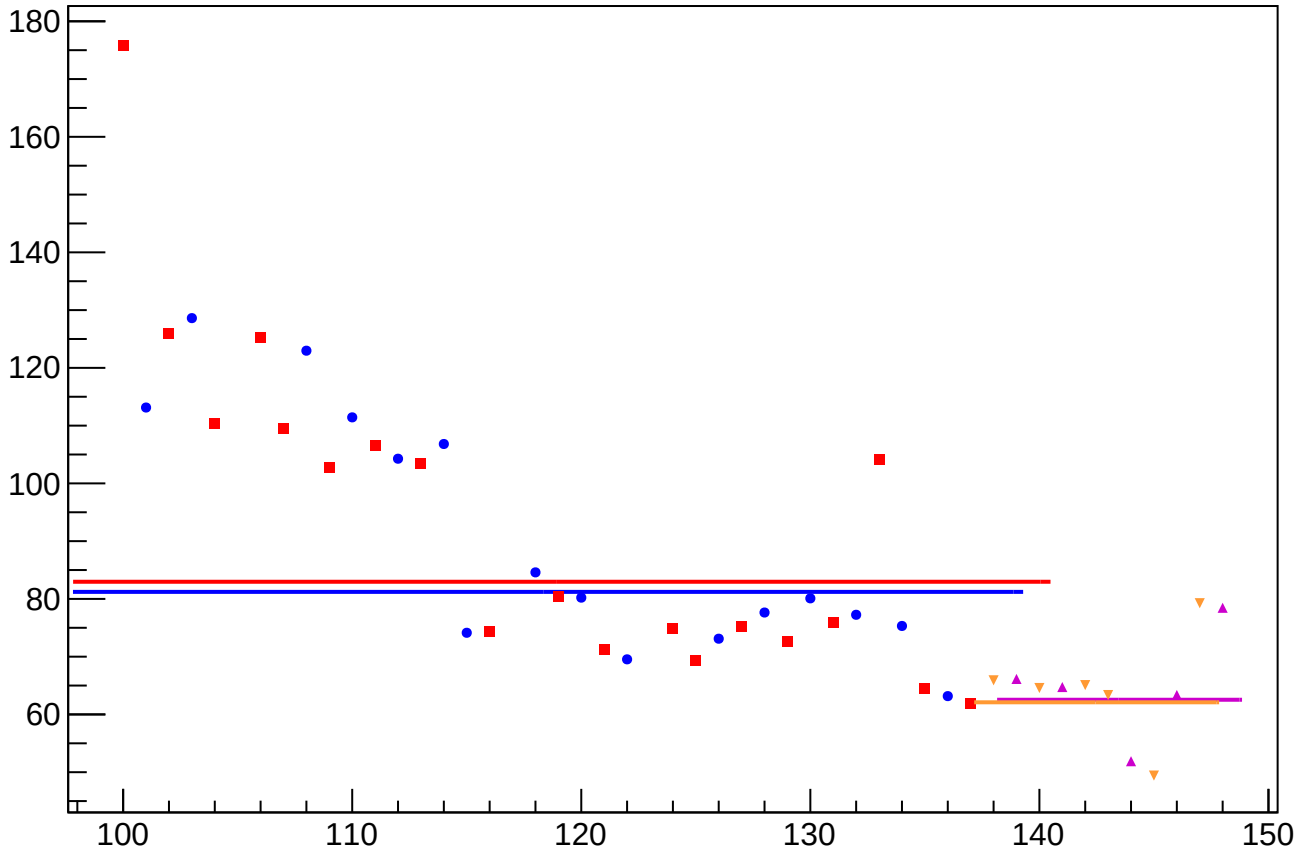
Left: -39.021+/-21.417 χ^2/NDF: 13.1/10

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -41.595+/-21.906 χ^2/NDF:20.8/20

Out: -19.041+/-21.528 χ^2/NDF:26.0/24

All: -30.121+/-15.354 χ^2/NDF: 47.3/45



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.101+/-0.021 χ^2/NDF:188717.4/5

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.542+/-0.022 χ^2/NDF:149530.6/4

Left: 62.313+/-0.015 χ^2/NDF: 338459.8/10

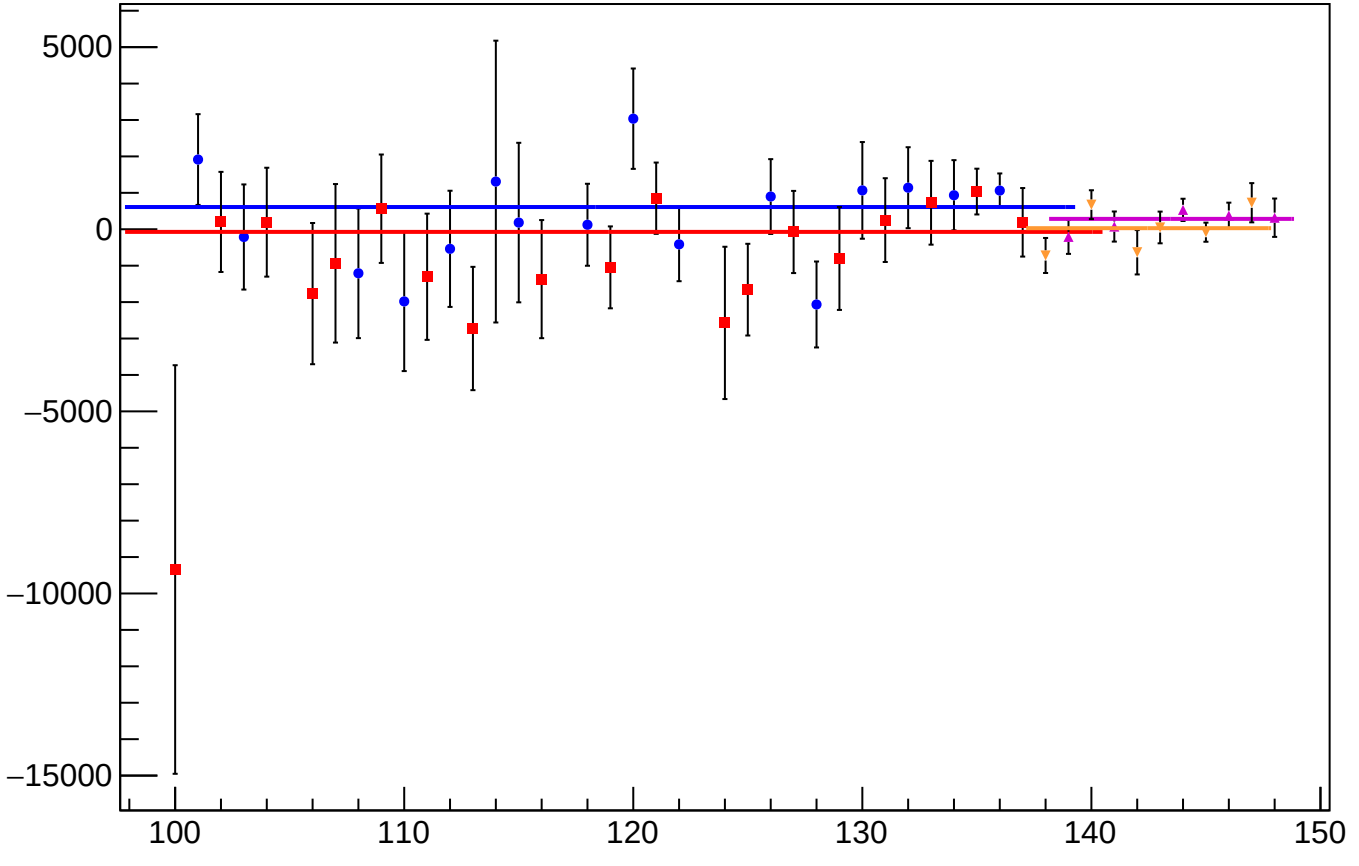
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.831+/-0.015 χ^2/NDF:1175776.9/20

Out: 72.015+/-0.015 χ^2/NDF:1387818.1/24

All: 71.924+/-0.011 χ^2/NDF: 2563666.4/45

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 29.626+/-165.158 χ^2/NDF:8.1/5

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 284.948+/-174.926 χ^2/NDF:2.1/4

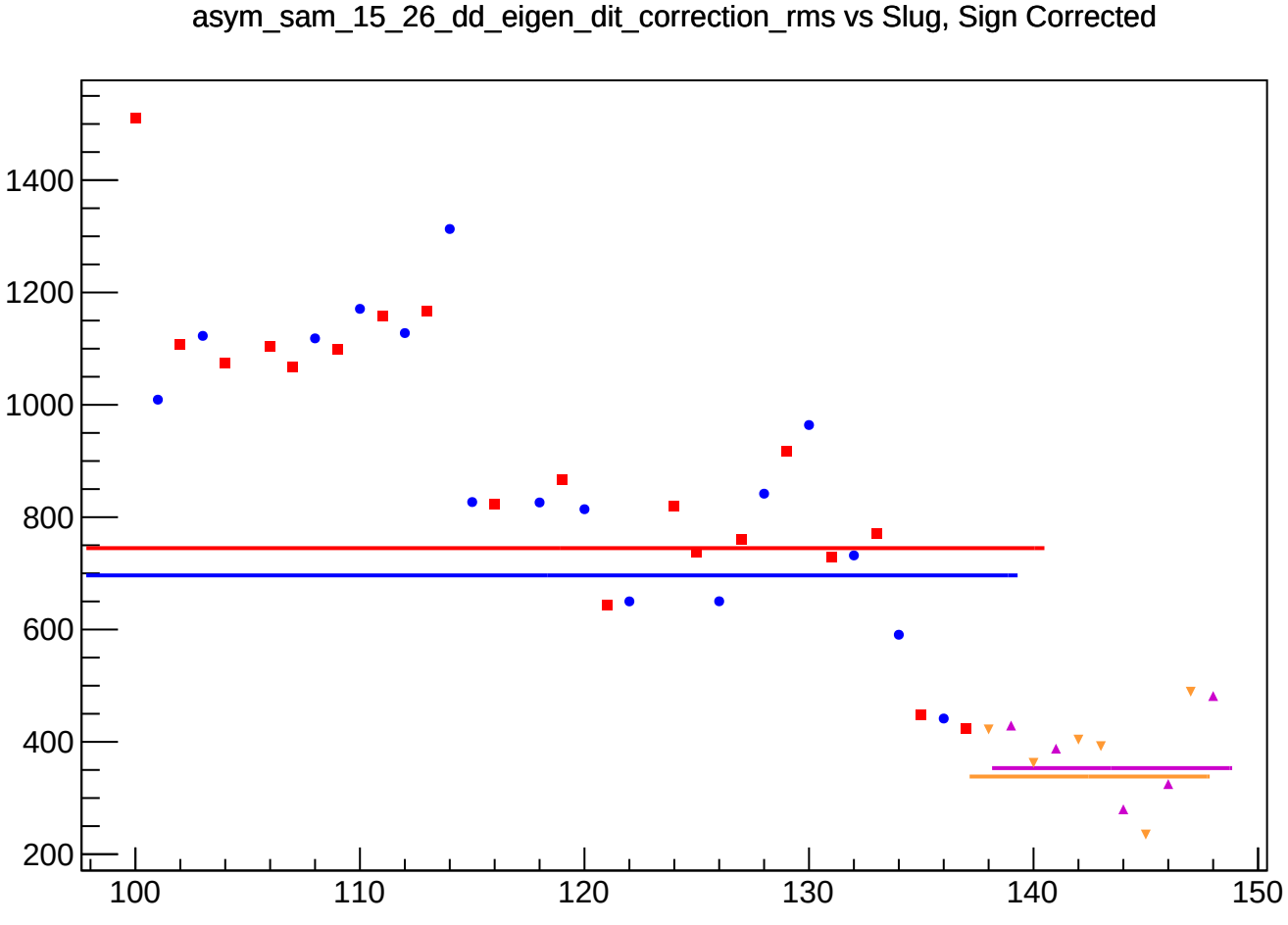
Left: 149.959+/-120.089 χ^2/NDF: 11.4/10

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 379.189+/-147.438 χ^2/NDF:18.9/20

Out: 4.243+/-143.127 χ^2/NDF:24.4/24

All: 186.154+/-102.696 χ^2/NDF: 46.6/45



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 338.279+/-0.117 χ^2/NDF:589740.9/5

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 353.309+/-0.124 χ^2/NDF:313425.1/4

Left: 345.363+/-0.085 χ^2/NDF: 910972.8/10

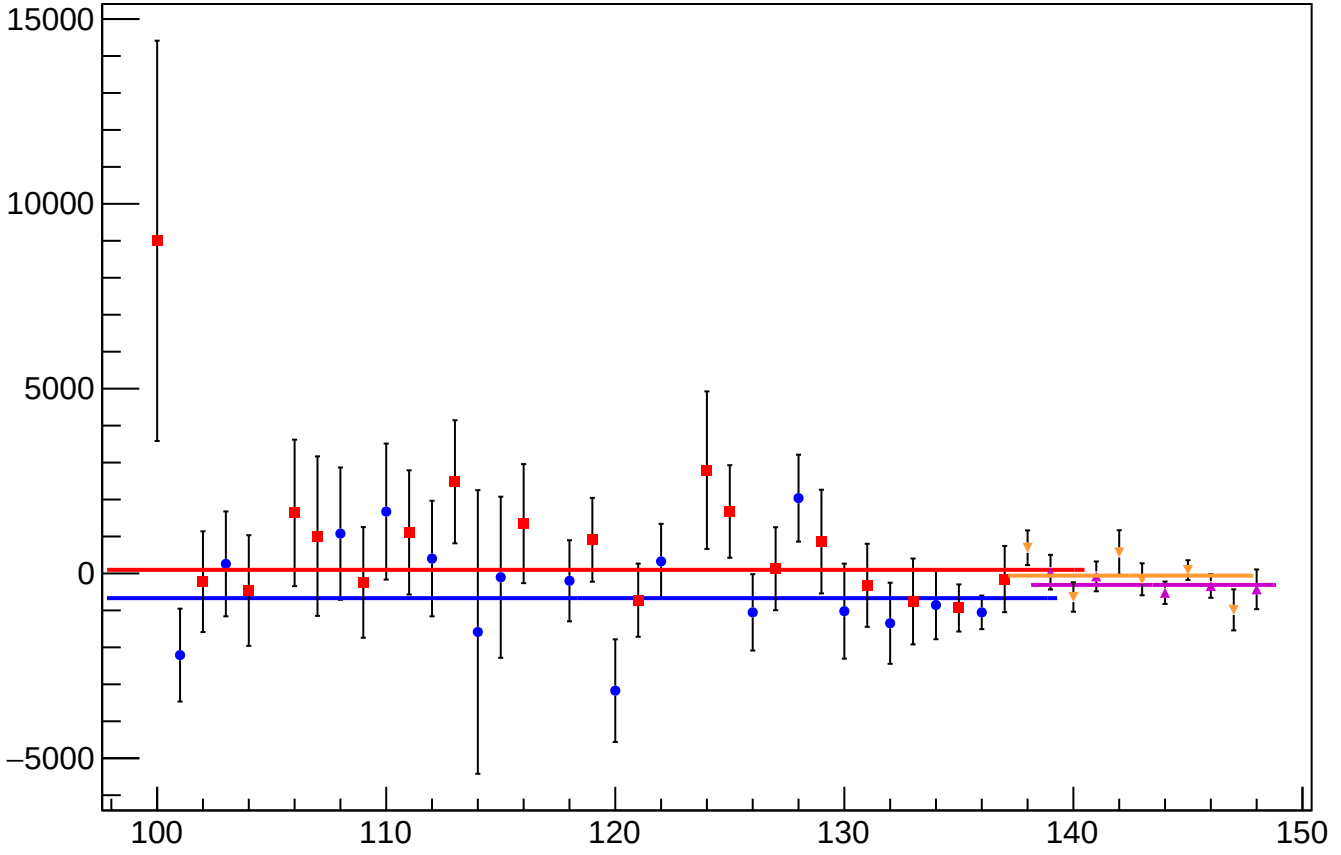
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 452.655+/-0.104 χ^2/NDF:4056508.2/20

Out: 439.519+/-0.101 χ^2/NDF:5106292.7/24

All: 445.892+/-0.073 χ^2/NDF: 9170974.0/45

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -58.383+/-166.364 χ^2/NDF:8.9/5

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -310.605+/-169.451 χ^2/NDF:1.4/4

Left: -182.176+/-118.714 χ^2/NDF: 11.5/10

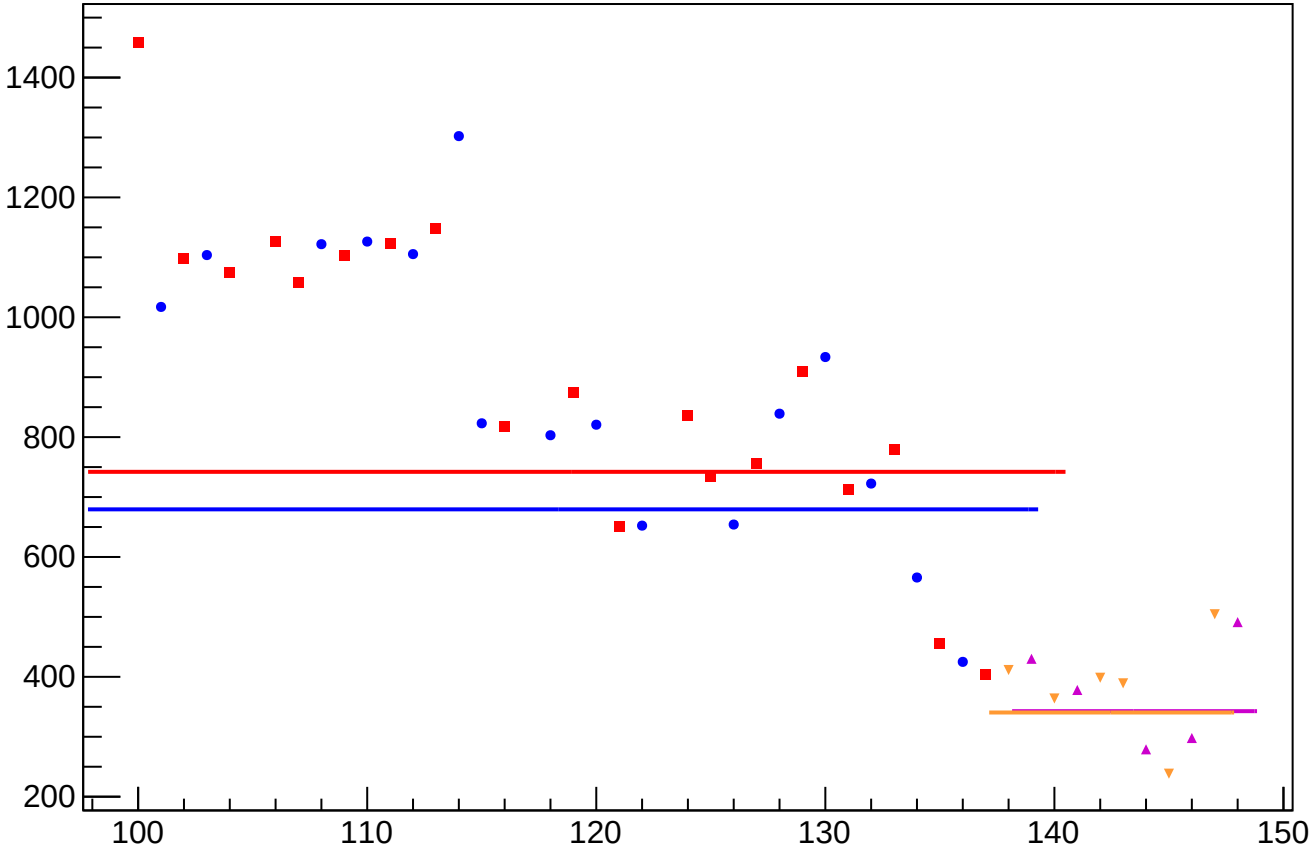
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -412.575+/-143.293 χ^2/NDF:18.8/20

Out: -18.821+/-143.789 χ^2/NDF:24.0/24

All: -216.379+/-101.498 χ^2/NDF: 46.6/45

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 340.502+/-0.118 χ^2/NDF:561132.8/5

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 342.723+/-0.120 χ^2/NDF:365173.7/4

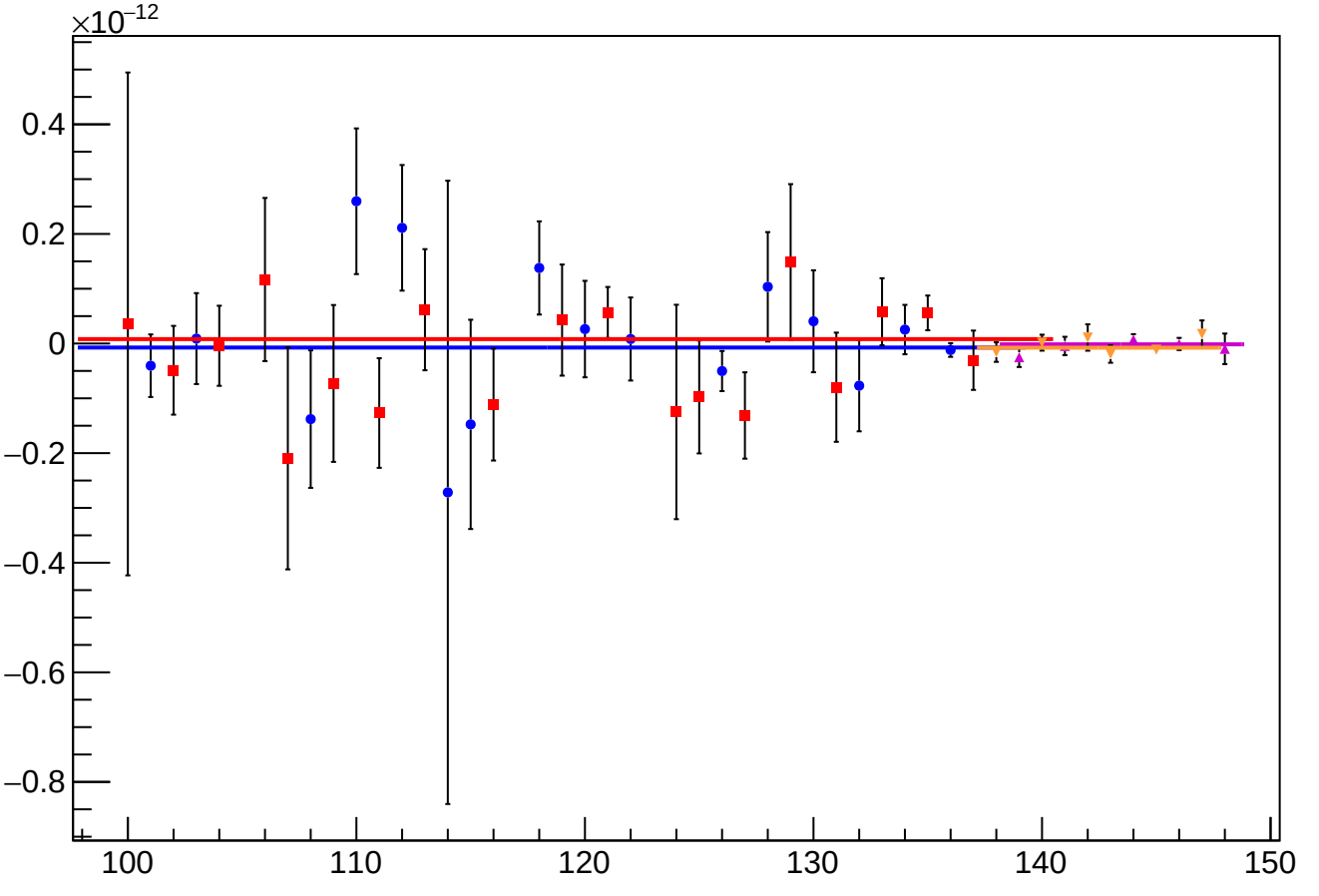
Left: 341.592+/-0.084 χ^2/NDF: 926481.5/10

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 438.666+/-0.101 χ^2/NDF:4216487.2/20

Out: 442.092+/-0.102 χ^2/NDF:5013556.2/24

All: 440.374+/-0.072 χ^2/NDF: 9230613.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

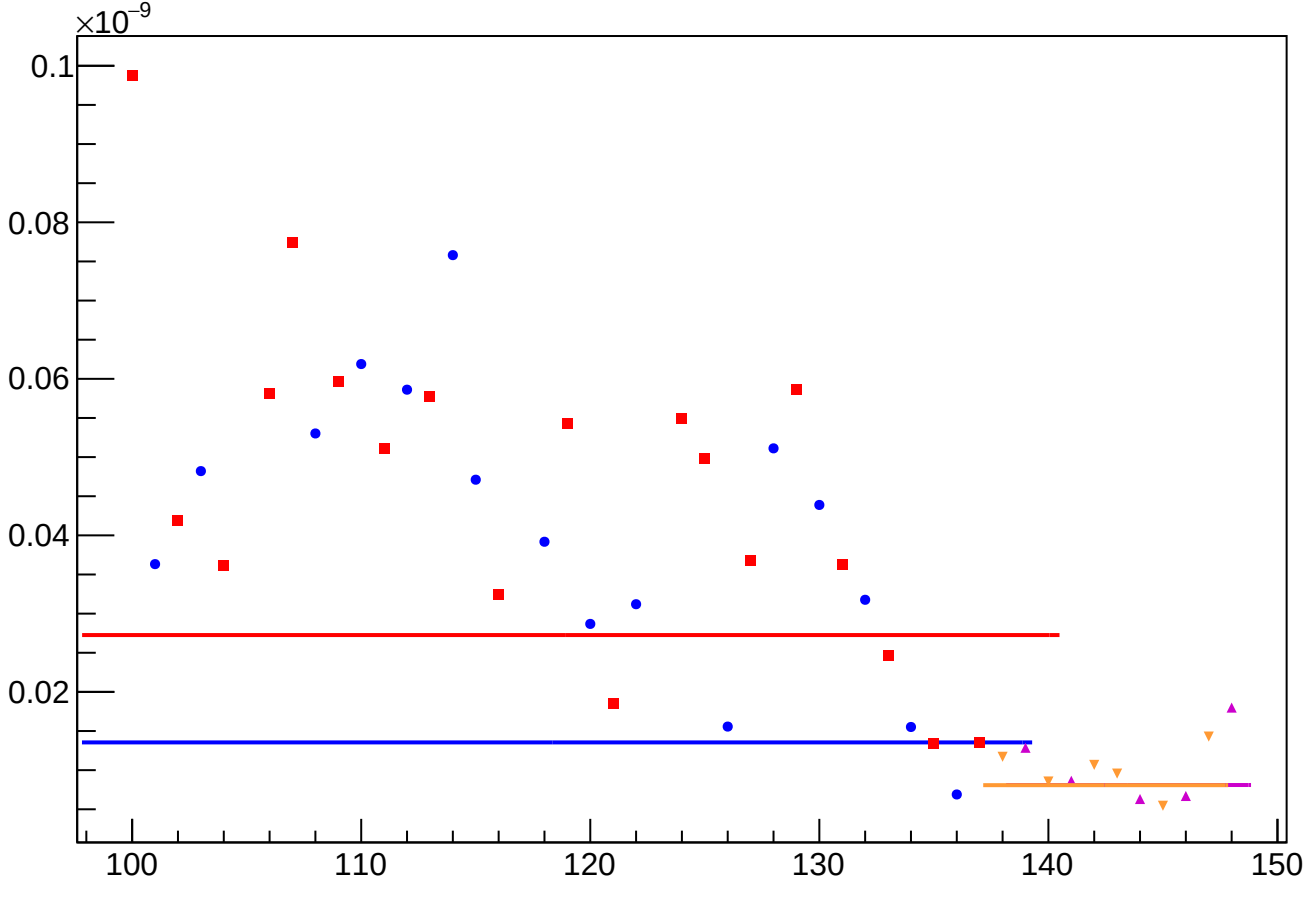
Left: -0.000+/-0.000 χ^2/NDF: 6.1/10

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:20.1/20

Out: -0.000+/-0.000 χ^2/NDF:20.7/24

All: -0.000+/-0.000 χ^2/NDF: 40.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:430827.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:493977.6/4

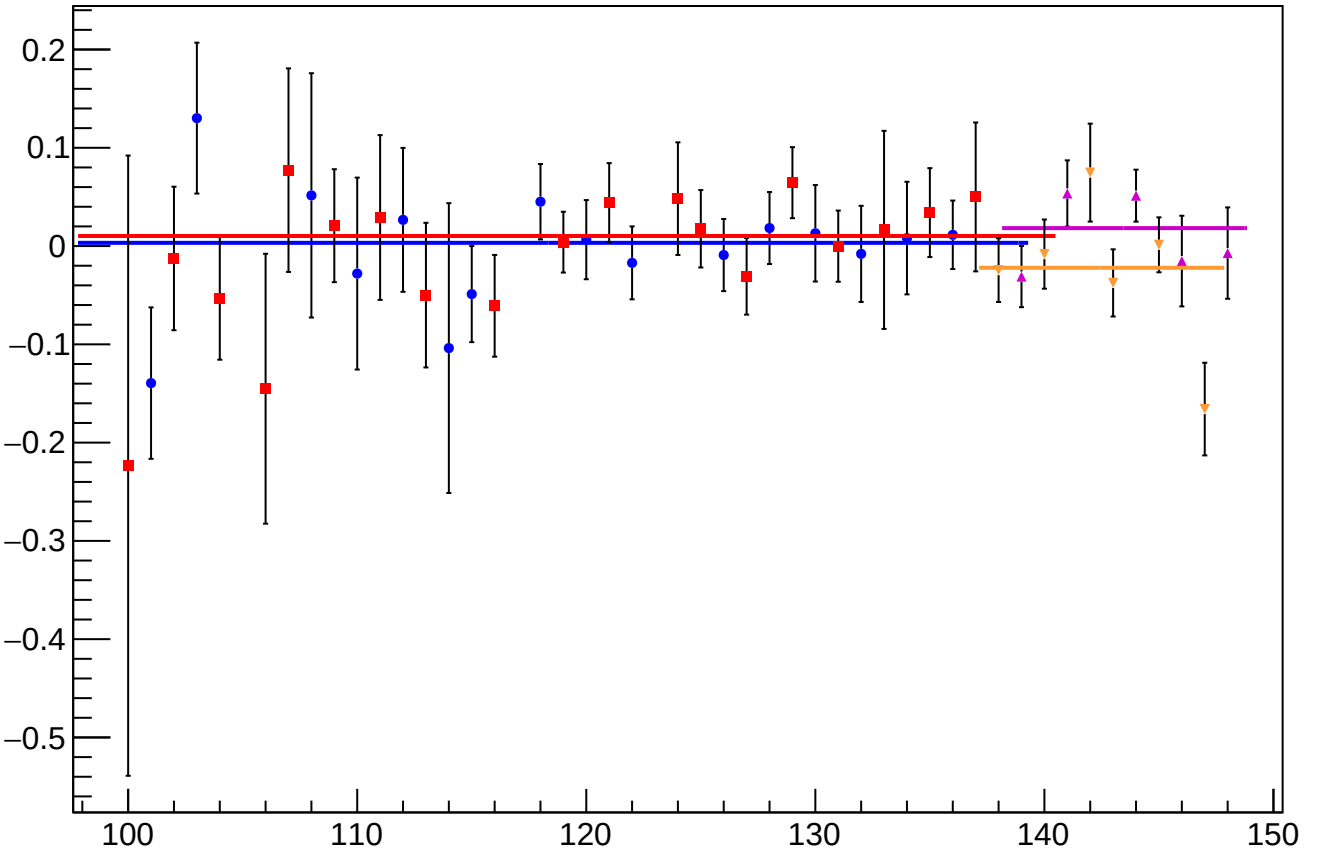
Left: 0.000+/-0.000 χ^2/NDF: 924815.0/10

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3941724.7/20

Out: 0.000+/-0.000 χ^2/NDF:4359842.5/24

All: 0.000+/-0.000 χ^2/NDF: 8314121.4/45



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.018+/-0.015 χ^2/NDF:6.0/4

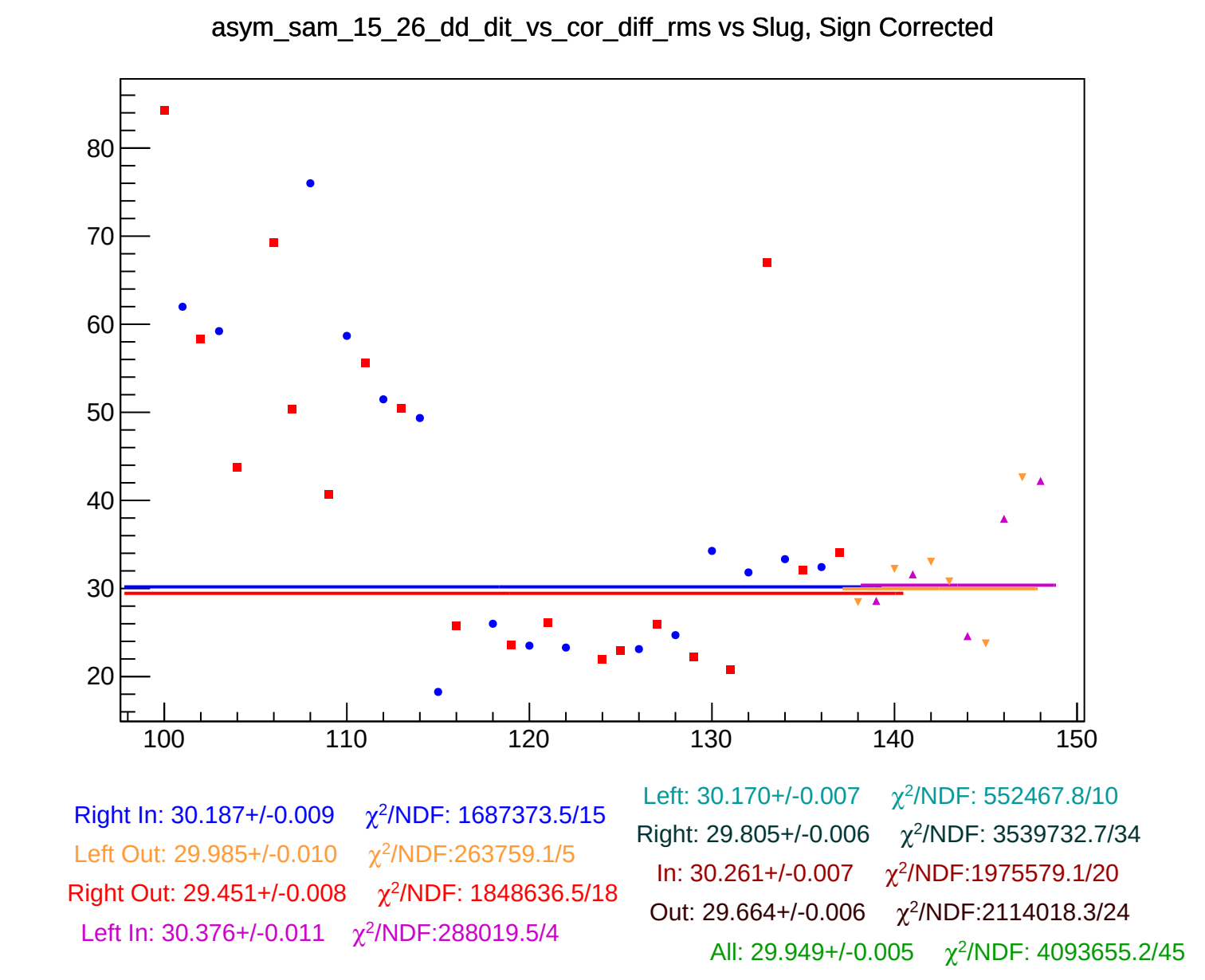
Left: -0.003+/-0.011 χ^2/NDF: 23.8/10

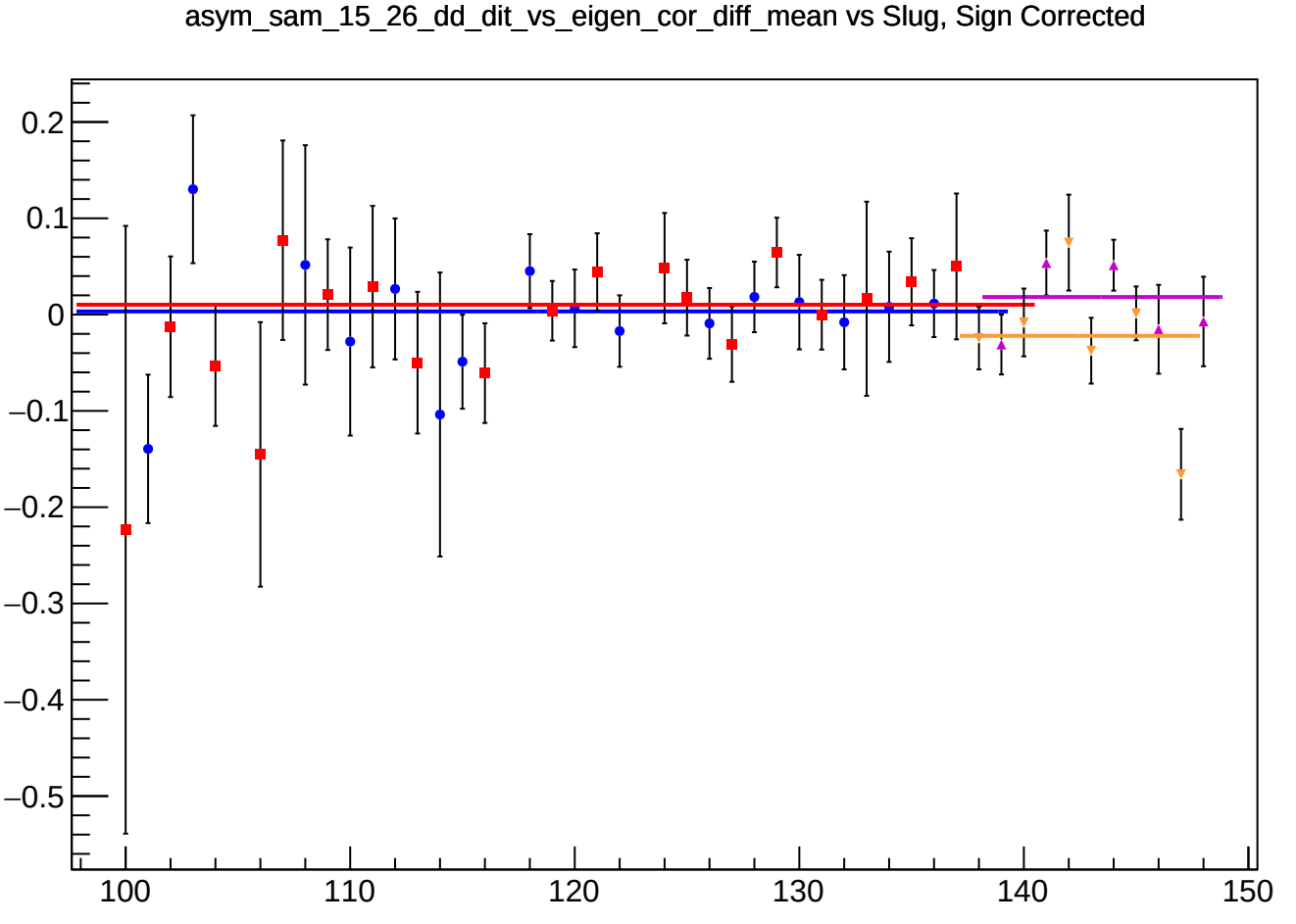
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.010 χ^2/NDF:16.7/20

Out: -0.003+/-0.009 χ^2/NDF:28.4/24

All: 0.003+/-0.007 χ^2/NDF: 45.9/45


asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 29.985+/-0.010 χ²/NDF:263759.1/5
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 30.376+/-0.011 χ²/NDF:288019.5/4
Left: 30.170+/-0.007 χ²/NDF: 552467.8/10
Right: 29.805+/-0.006 χ²/NDF: 3539732.7/34
In: 30.261+/-0.007 χ²/NDF:1975579.1/20
Out: 29.664+/-0.006 χ²/NDF:2114018.3/24
All: 29.949+/-0.005 χ²/NDF: 4093655.2/45



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.018+/-0.015 χ^2/NDF:6.0/4

Left: -0.003+/-0.011 χ^2/NDF: 23.8/10

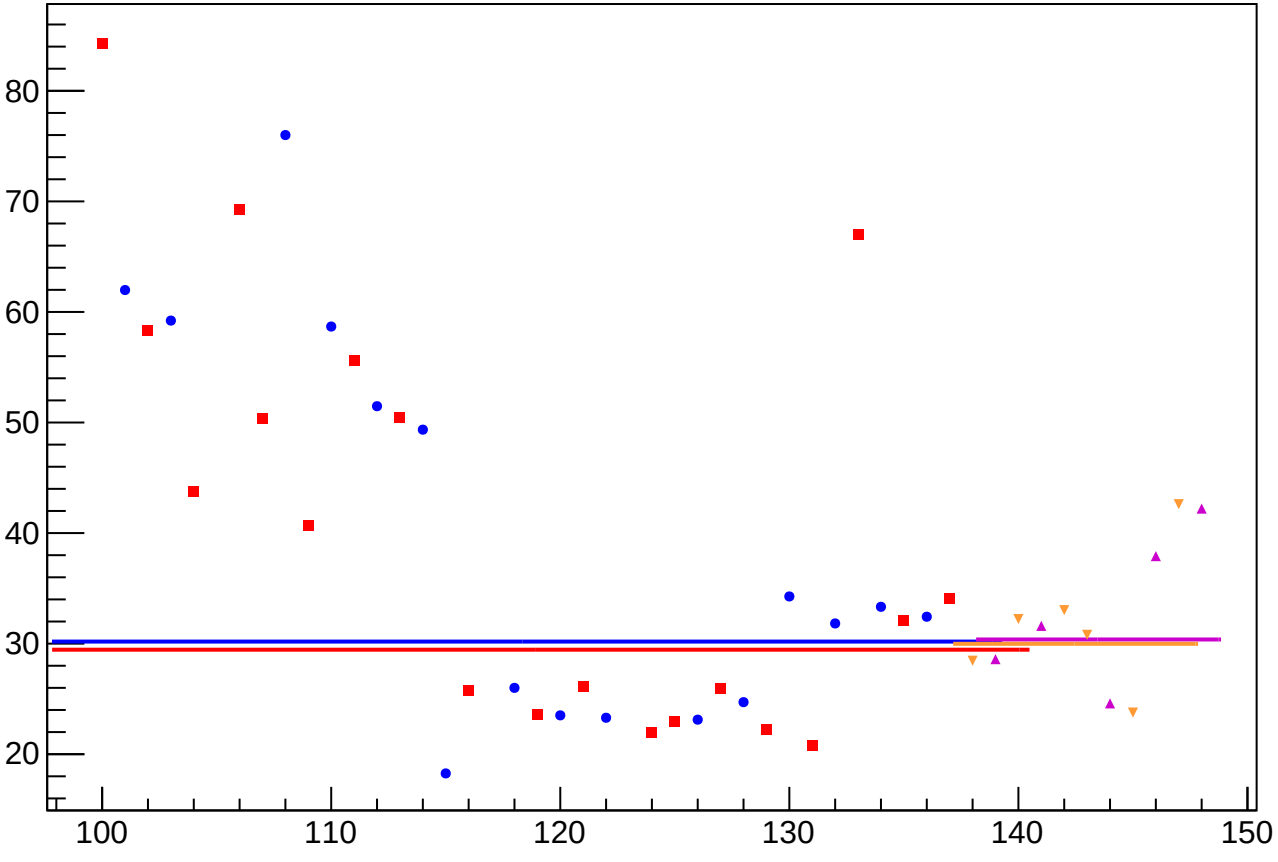
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.010 χ^2/NDF:16.7/20

Out: -0.003+/-0.009 χ^2/NDF:28.4/24

All: 0.003+/-0.007 χ^2/NDF: 45.9/45

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.985+/-0.010 χ^2/NDF:263759.1/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.5/4

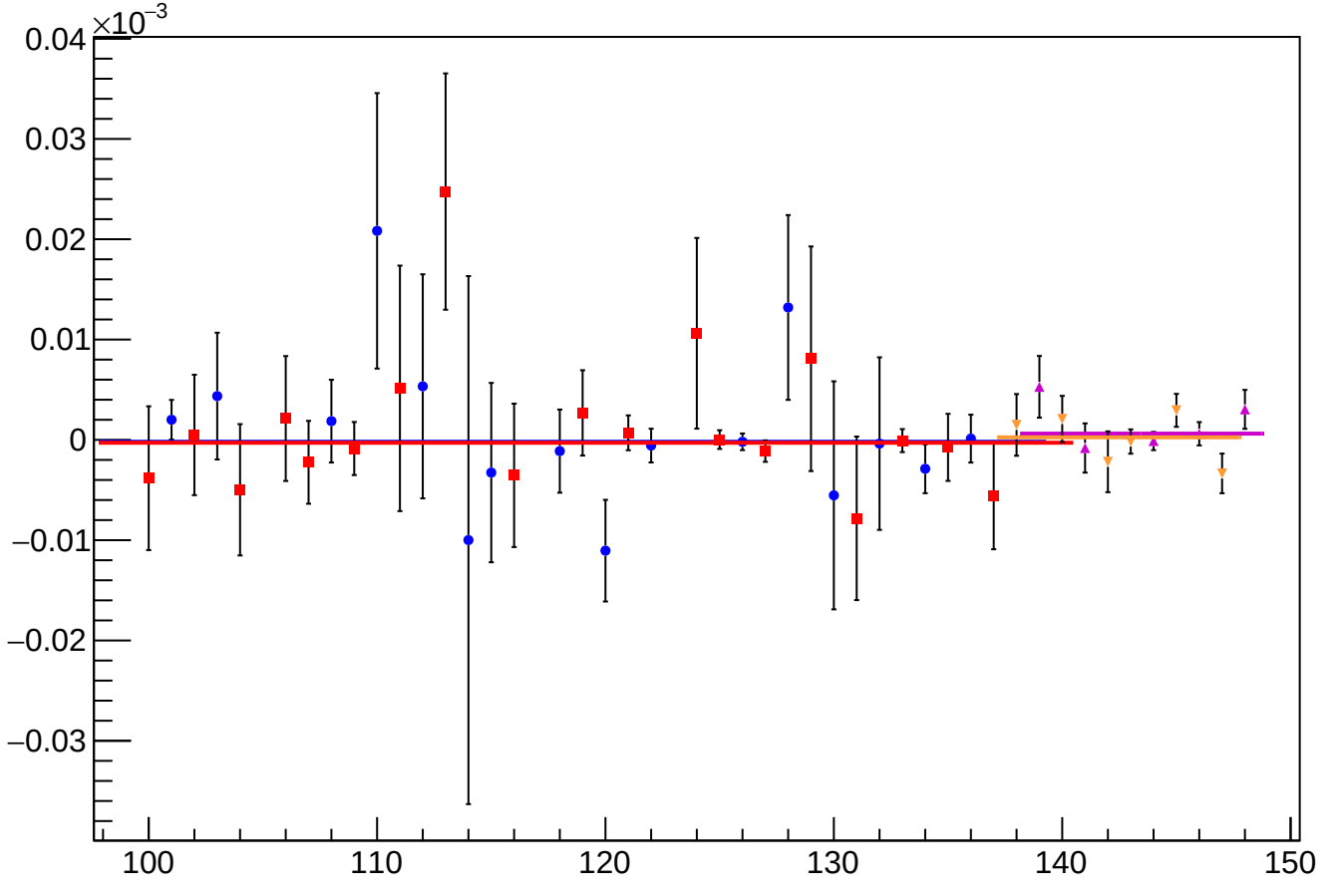
Left: 30.170+/-0.007 χ^2/NDF: 552467.8/10

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.261+/-0.007 χ^2/NDF:1975579.1/20

Out: 29.664+/-0.006 χ^2/NDF:2114018.3/24

All: 29.949+/-0.005 χ^2/NDF: 4093655.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/4

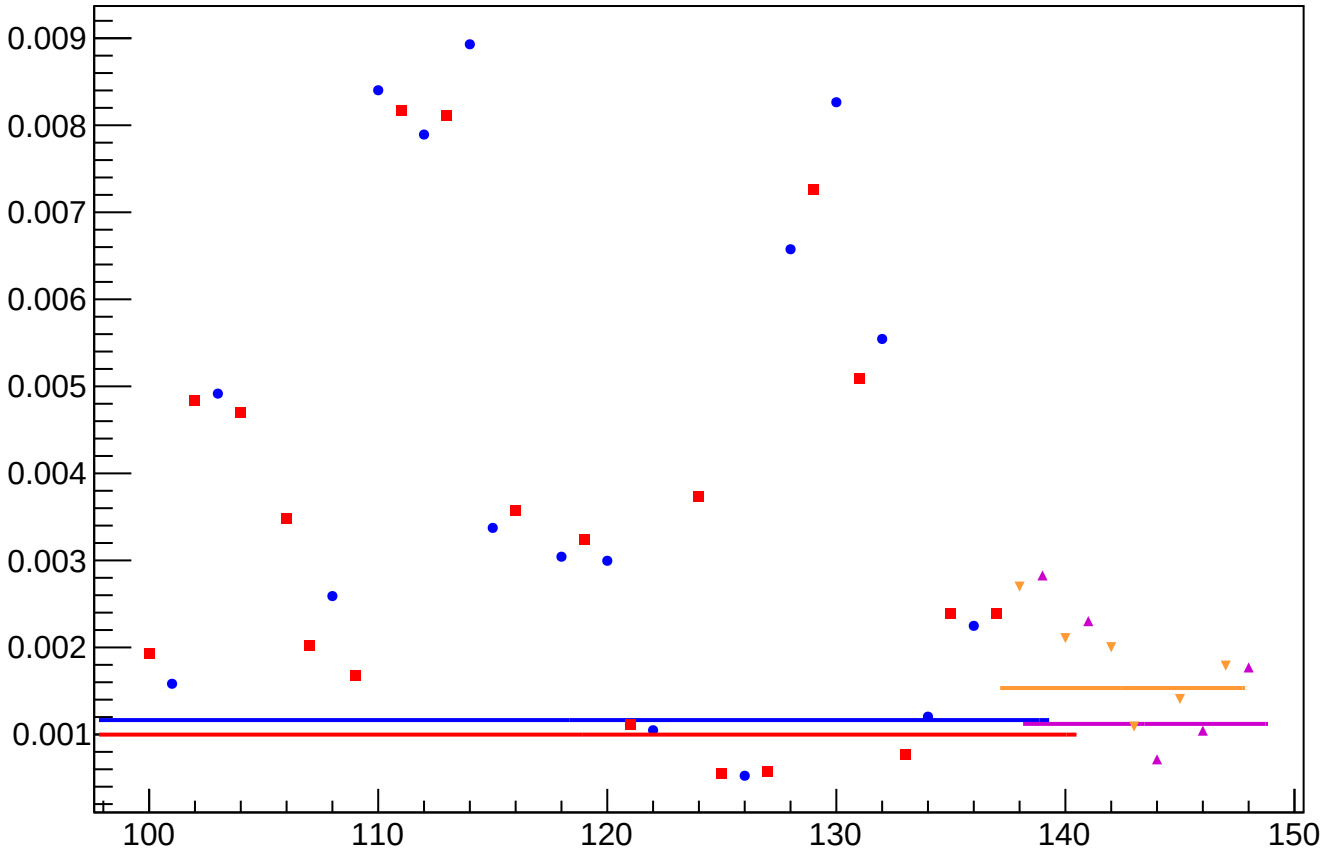
Left: 0.000+/-0.000 χ^2/NDF: 12.5/10

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:18.8/20

Out: -0.000+/-0.000 χ^2/NDF:19.3/24

All: 0.000+/-0.000 χ^2/NDF: 38.4/45



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:771706.6/5

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1710211.9/4

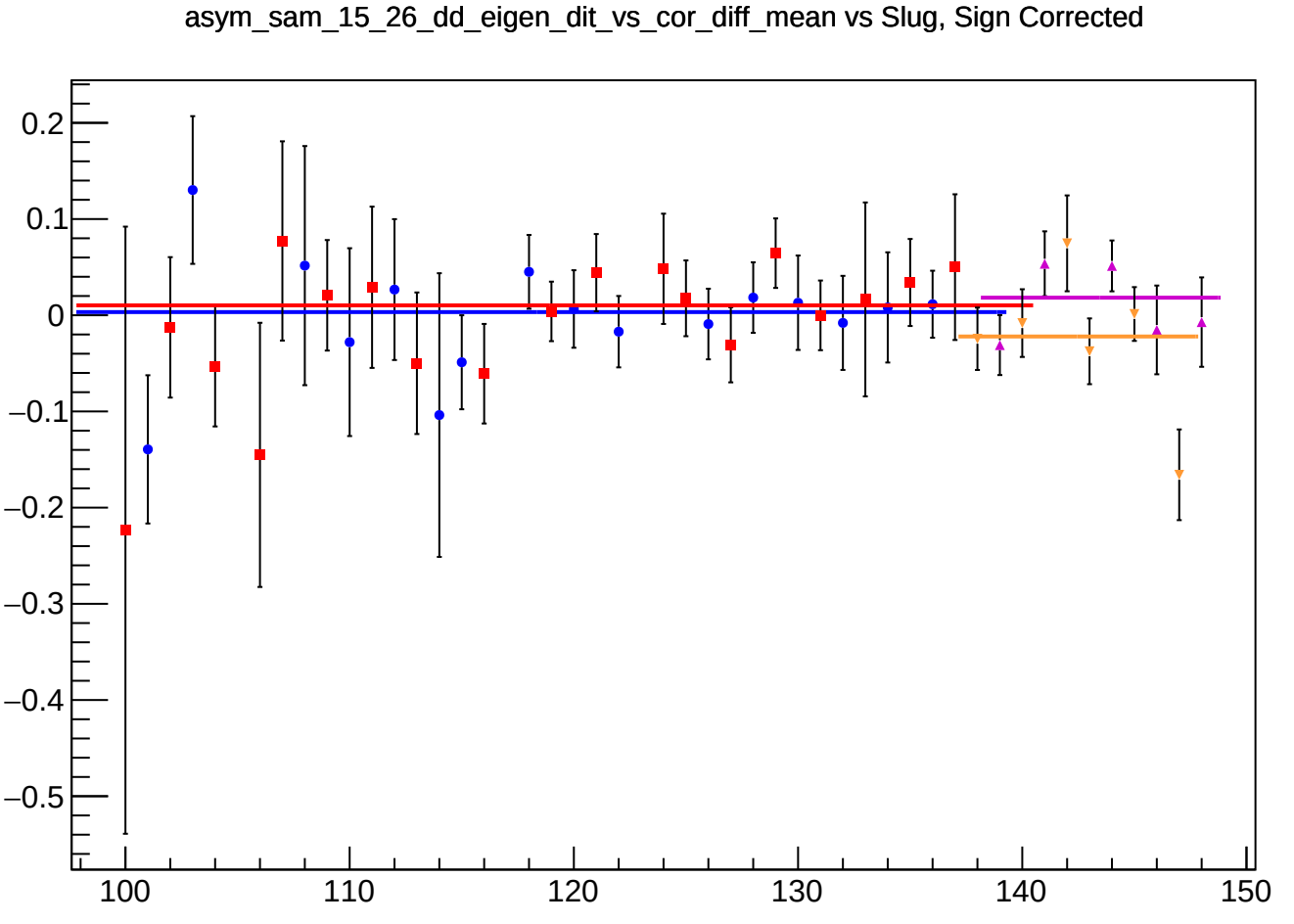
Left: 0.001+/-0.000 χ^2/NDF: 2826123.4/10

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

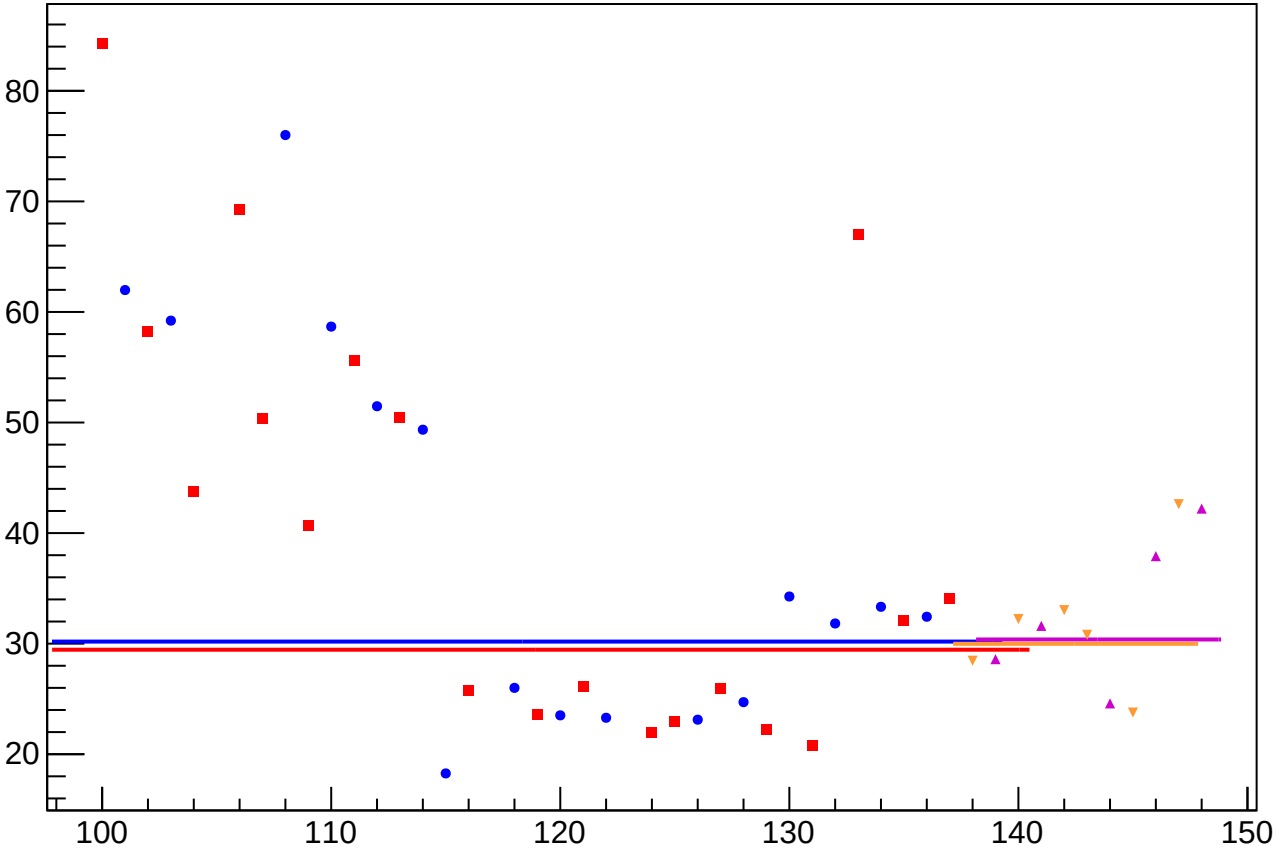
In: 0.001+/-0.000 χ^2/NDF:8596920.1/20

Out: 0.001+/-0.000 χ^2/NDF:8377321.2/24

All: 0.001+/-0.000 χ^2/NDF: 16977413.4/45


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.015 χ²/NDF:14.1/5
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.018+/-0.015 χ²/NDF:6.0/4
Left: -0.003+/-0.011 χ²/NDF: 23.8/10
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.010 χ²/NDF:16.7/20
Out: -0.003+/-0.009 χ²/NDF:28.4/24
All: 0.003+/-0.007 χ²/NDF: 45.9/45

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.985+/-0.010 χ^2/NDF:263743.5/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.9/4

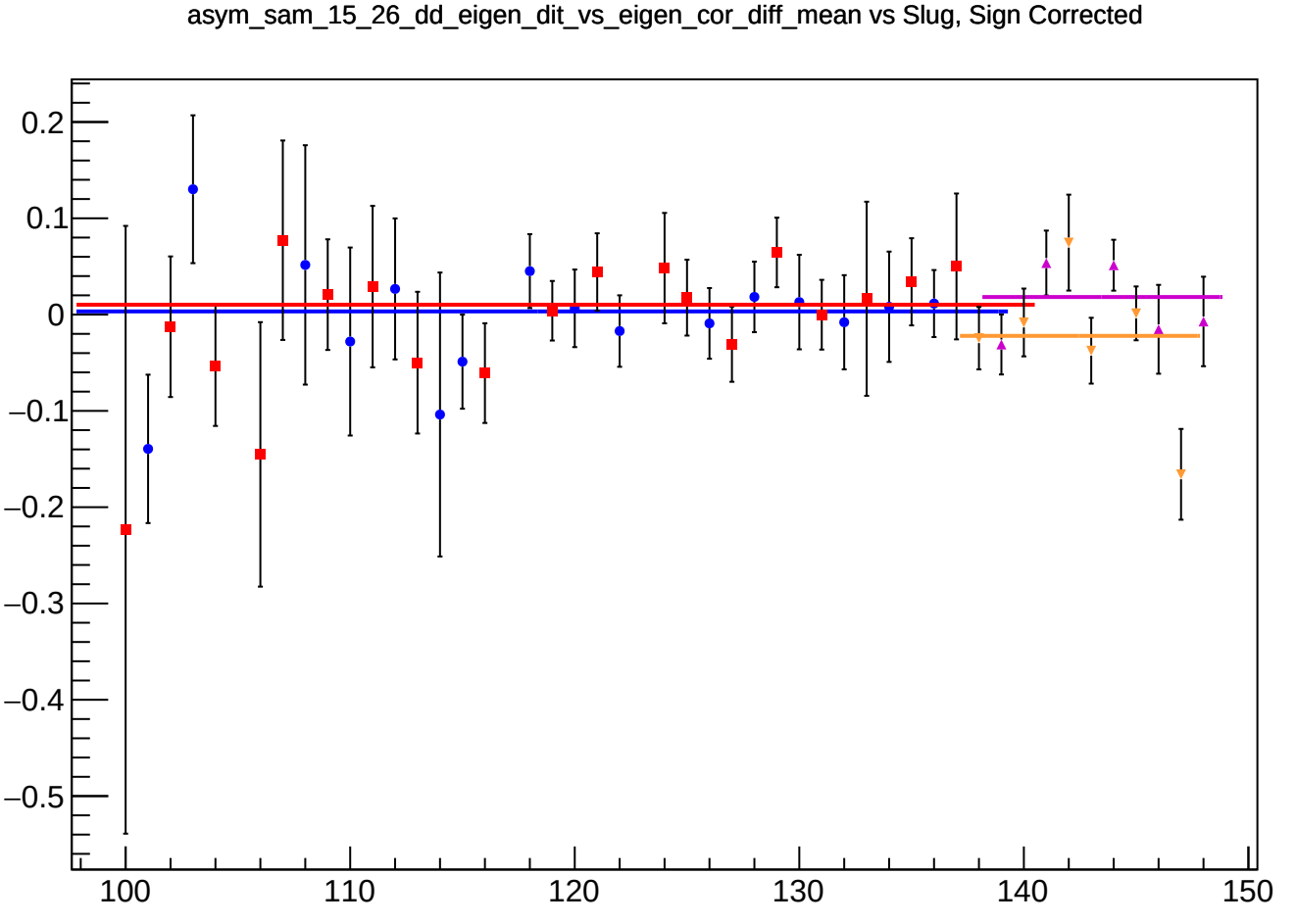
Left: 30.171+/-0.007 χ^2/NDF: 552452.4/10

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

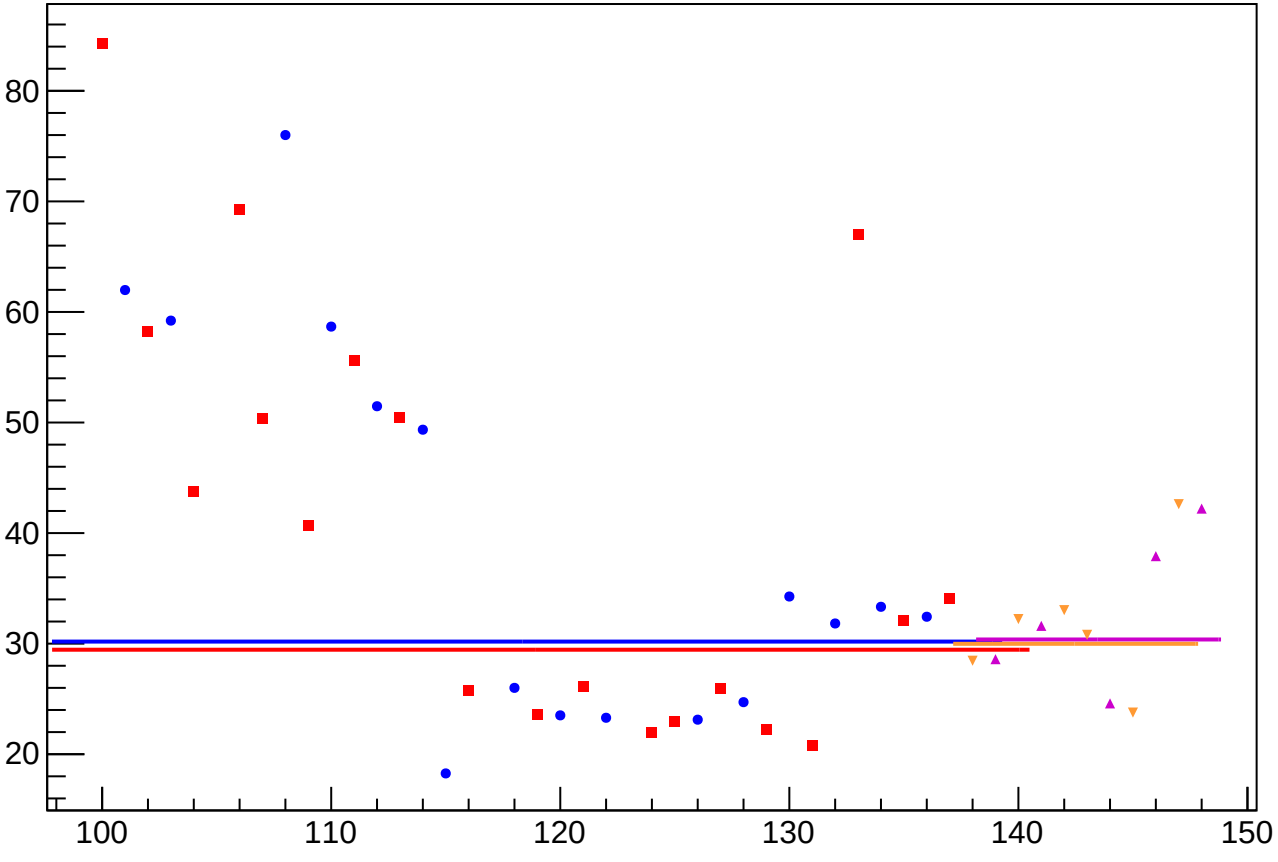
In: 30.261+/-0.007 χ^2/NDF:1975395.1/20

Out: 29.664+/-0.006 χ^2/NDF:2114005.4/24

All: 29.949+/-0.005 χ^2/NDF: 4093463.2/45


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
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.022+/-0.015 χ²/NDF:14.1/5
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.018+/-0.015 χ²/NDF:6.0/4
Left: -0.003+/-0.011 χ²/NDF: 23.8/10
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.010 χ²/NDF:16.7/20
Out: -0.003+/-0.009 χ²/NDF:28.4/24
All: 0.003+/-0.007 χ²/NDF: 45.9/45

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: 29.985+/-0.010 χ^2/NDF:263743.5/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.9/4

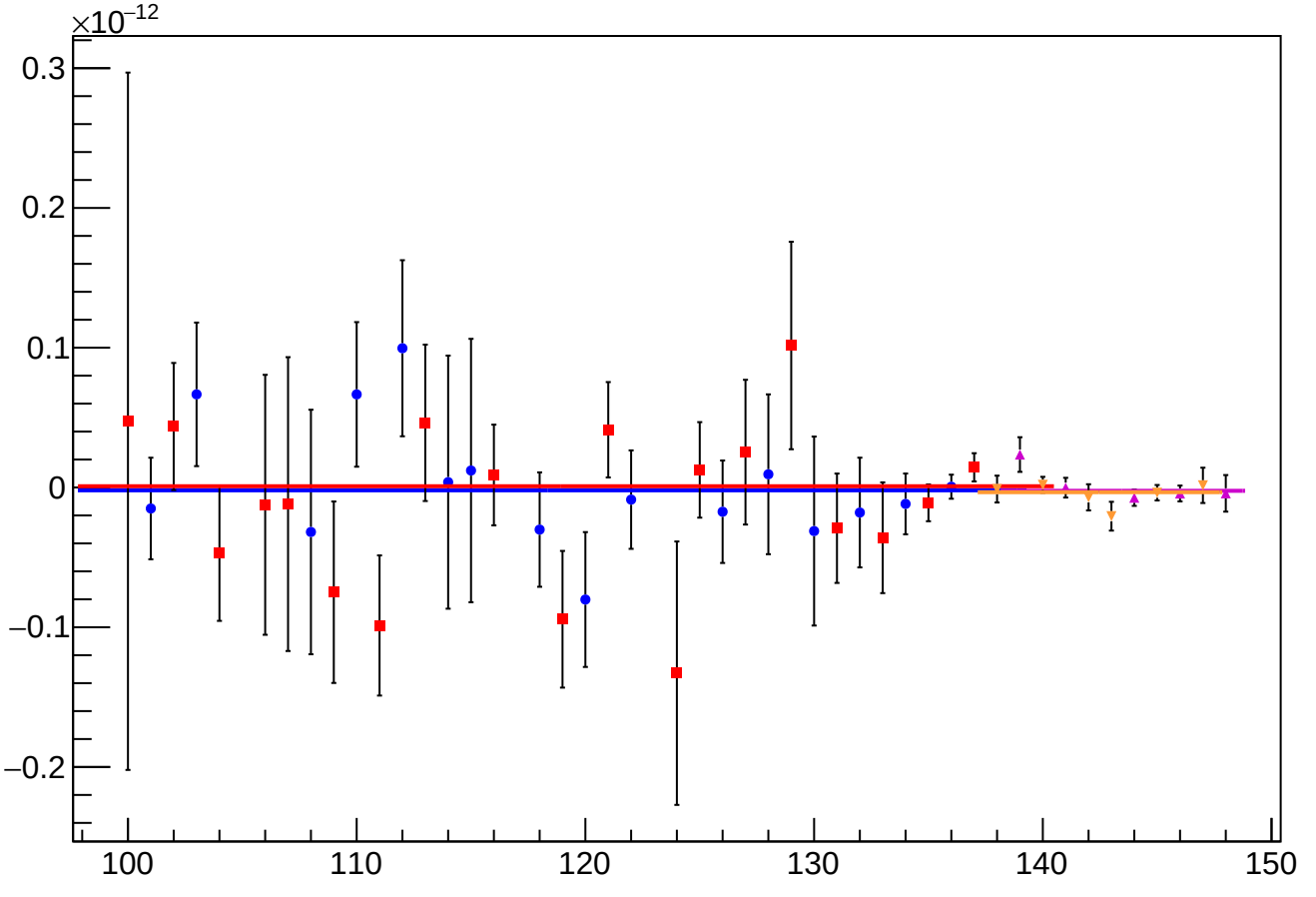
Left: 30.171+/-0.007 χ^2/NDF: 552452.4/10

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.261+/-0.007 χ^2/NDF:1975395.1/20

Out: 29.664+/-0.006 χ^2/NDF:2114005.4/24

All: 29.949+/-0.005 χ^2/NDF: 4093463.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/4

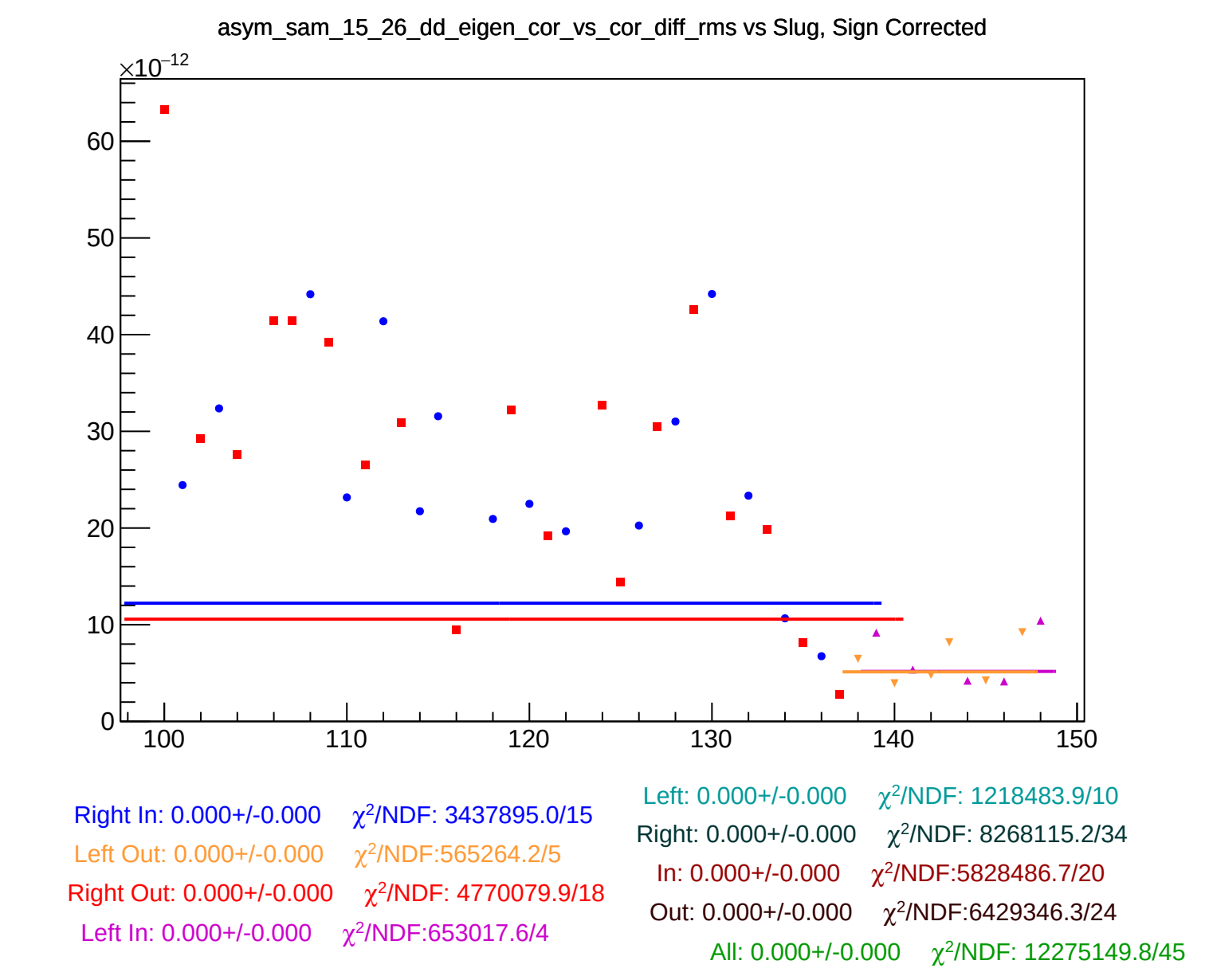
Left: -0.000+/-0.000 χ^2/NDF: 9.4/10

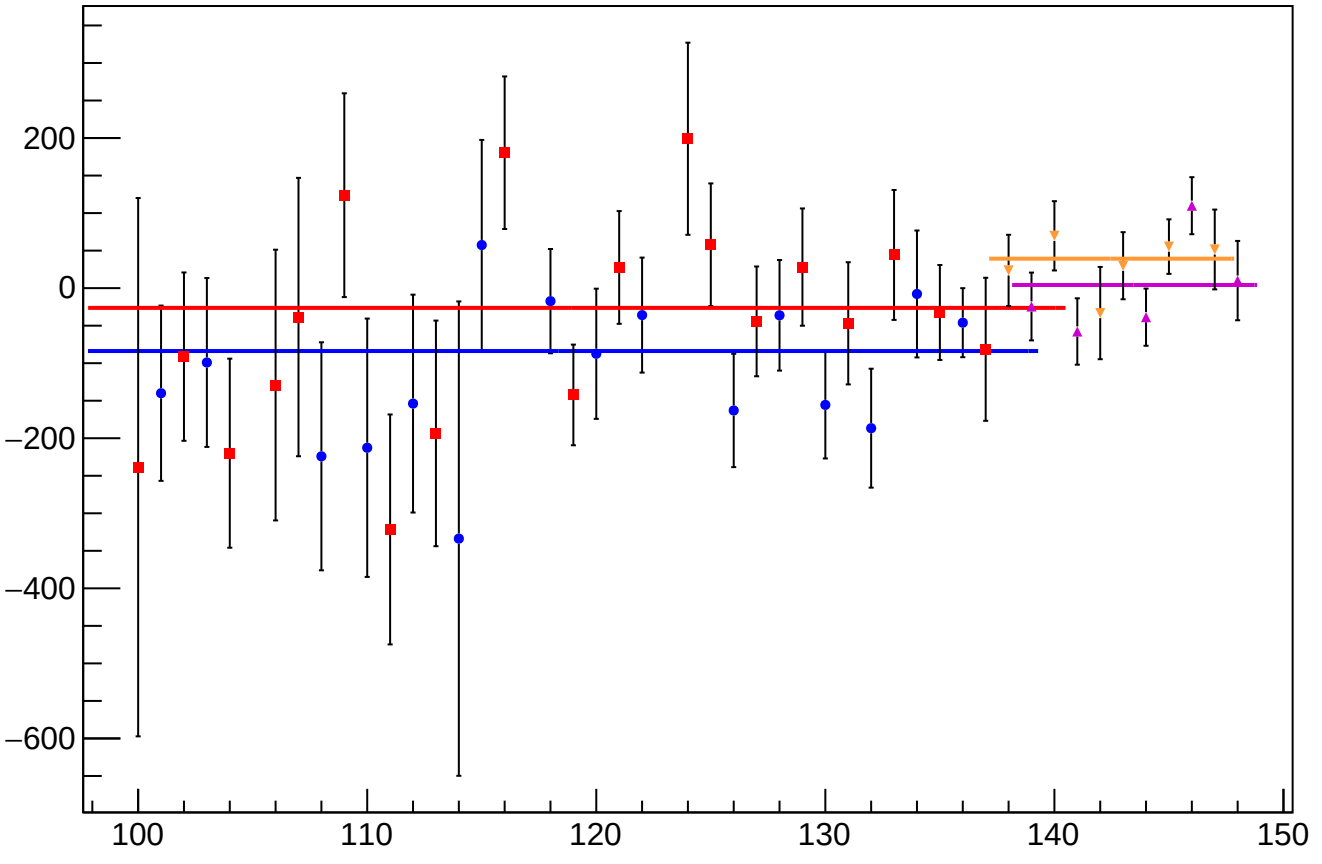
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:15.7/20

Out: -0.000+/-0.000 χ^2/NDF:25.7/24

All: -0.000+/-0.000 χ^2/NDF: 41.5/45


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:565264.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:653017.6/4
Left: 0.000+/-0.000 χ²/NDF: 1218483.9/10
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:5828486.7/20
Out: 0.000+/-0.000 χ²/NDF:6429346.3/24
All: 0.000+/-0.000 χ²/NDF: 12275149.8/45



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.263+/-18.934 χ^2/NDF:2.2/5

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 4.192+/-19.103 χ^2/NDF:11.4/4

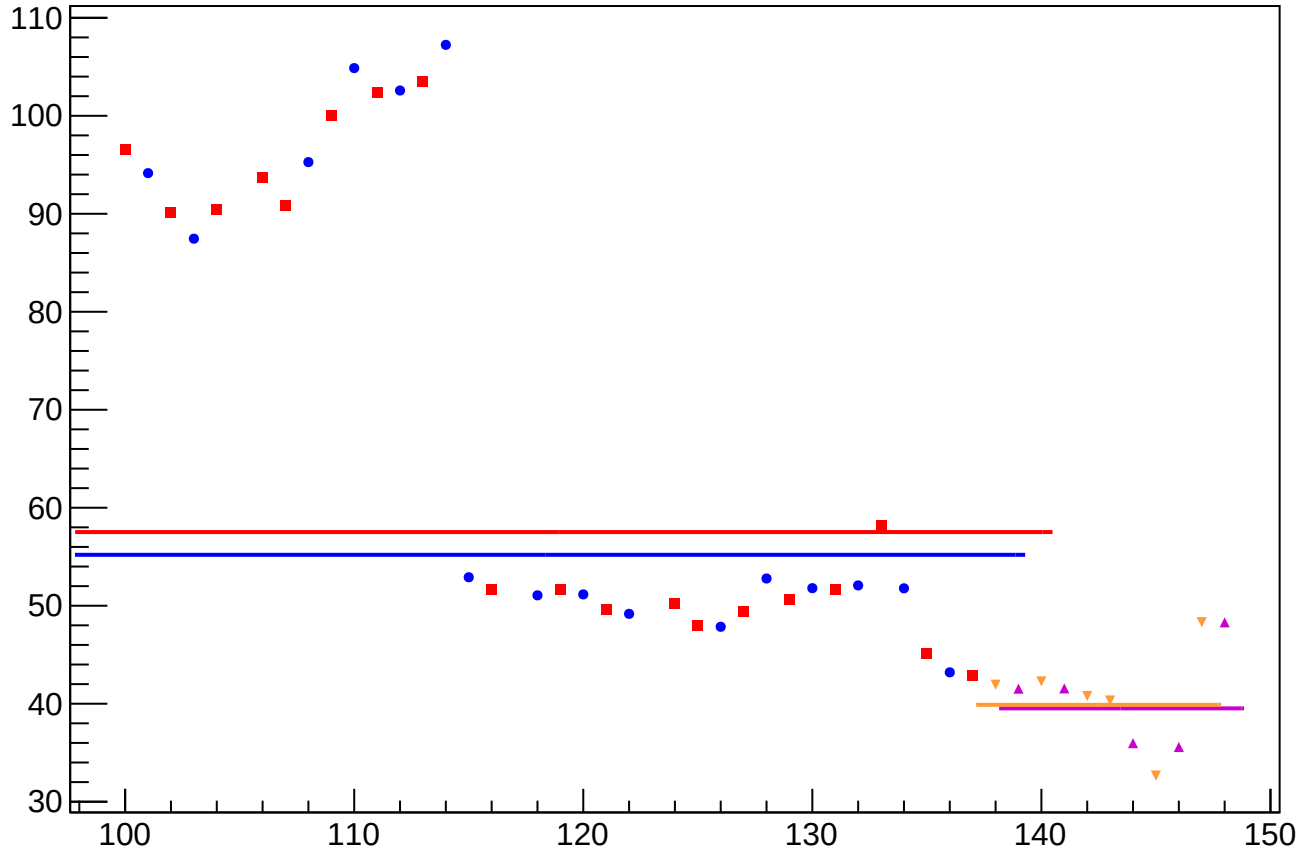
Left: 21.884+/-13.448 χ^2/NDF: 15.3/10

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -34.764+/-14.261 χ^2/NDF:31.3/20

Out: 11.462+/-14.369 χ^2/NDF:30.3/24

All: -11.826+/-10.122 χ^2/NDF: 66.8/45



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

Left: 39.708+/-0.010 χ^2/NDF: 241618.5/10

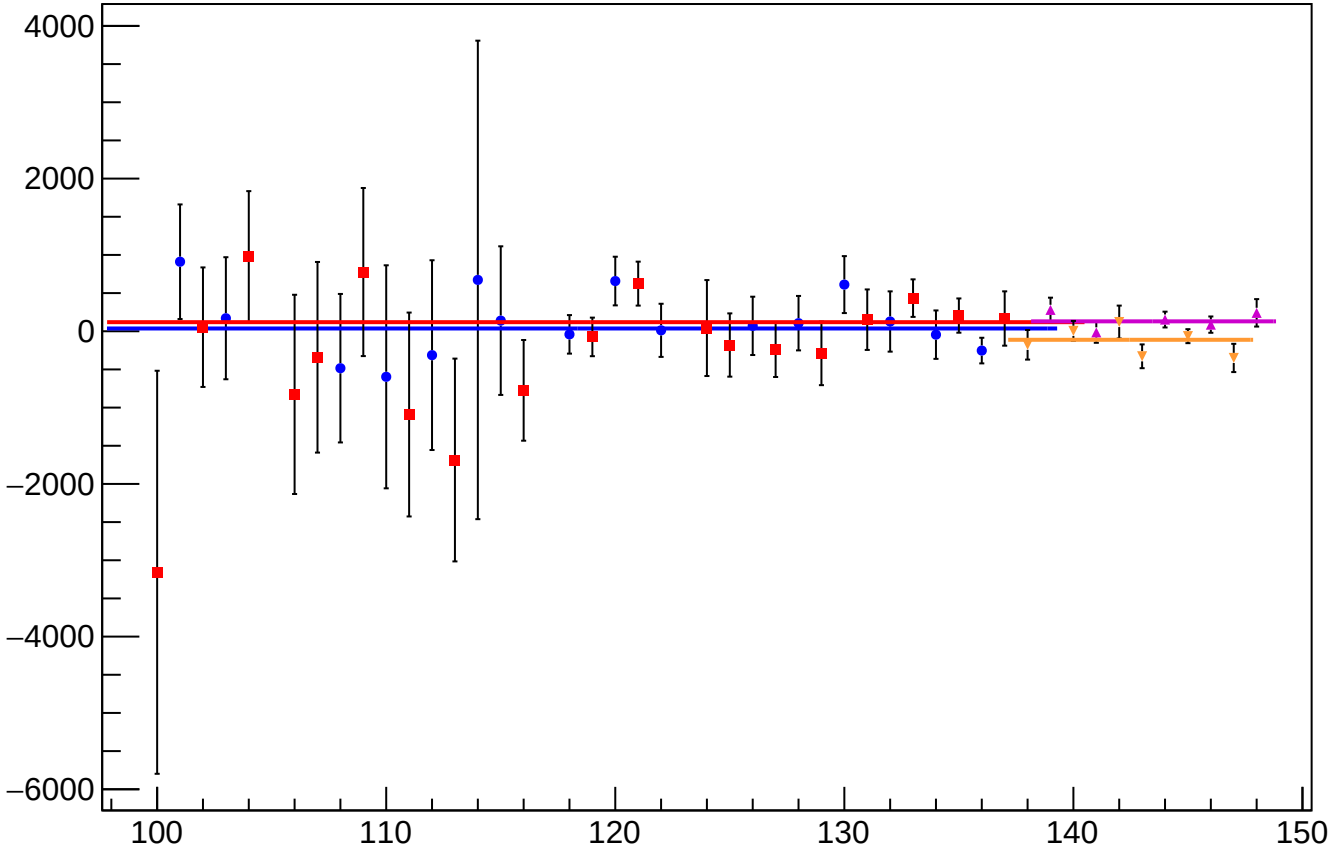
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 46.463+/-0.010 χ^2/NDF:1850767.8/20

Out: 47.364+/-0.010 χ^2/NDF:2156103.8/24

All: 46.910+/-0.007 χ^2/NDF: 4010834.6/45

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 129.808+/-57.269 χ^2/NDF:2.6/4

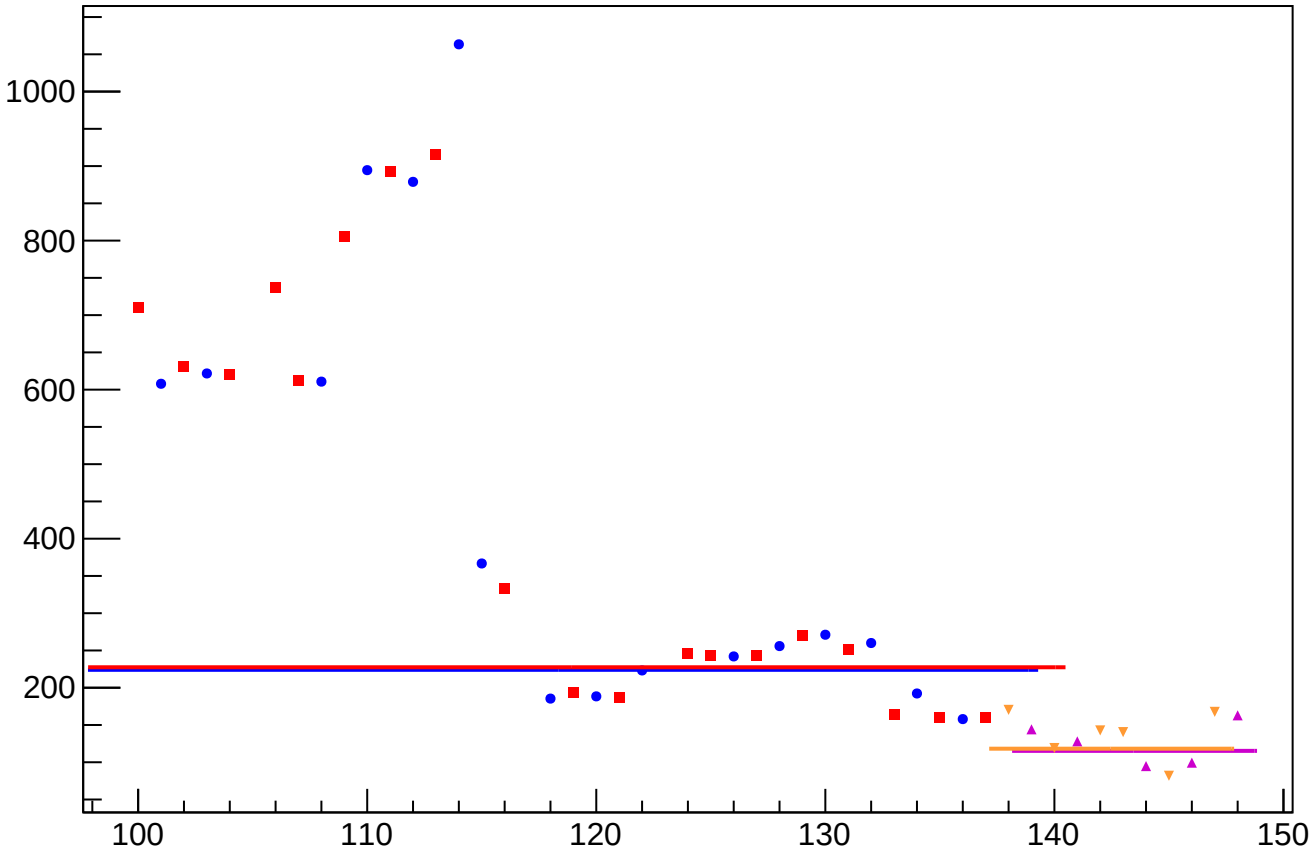
Left: 10.616+/-40.768 χ^2/NDF: 17.3/10

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 104.330+/-48.845 χ^2/NDF:14.7/20

Out: -49.836+/-49.651 χ^2/NDF:26.2/24

All: 28.507+/-34.820 χ^2/NDF: 45.9/45



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 118.199+/-0.041 χ^2/NDF:668286.2/5

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 115.279+/-0.040 χ^2/NDF:345405.0/4

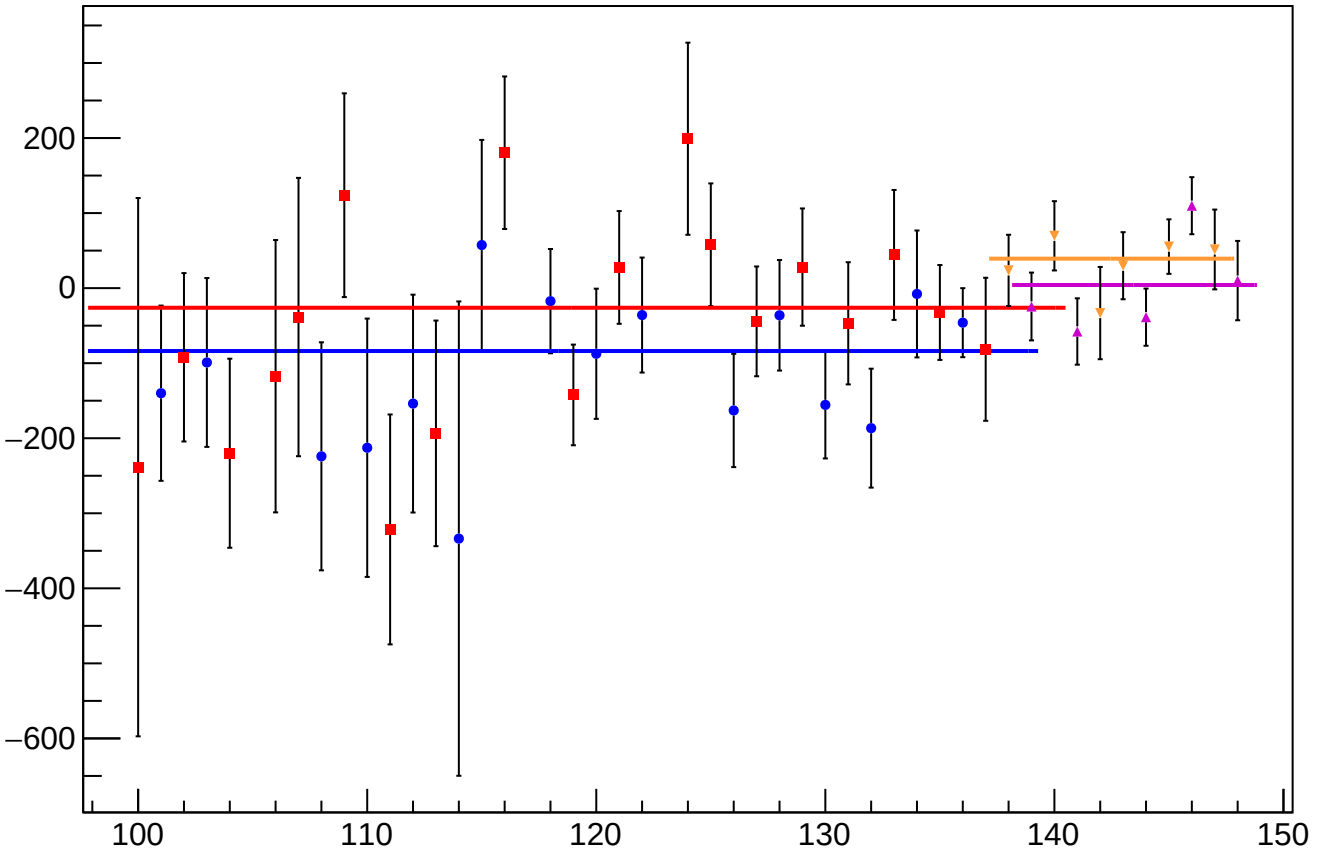
Left: 116.719+/-0.029 χ^2/NDF: 1016254.8/10

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 144.922+/-0.035 χ^2/NDF:5279476.5/20

Out: 147.524+/-0.035 χ^2/NDF:6210509.8/24

All: 146.202+/-0.025 χ^2/NDF: 11492778.6/45



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.265+/-18.934 χ^2/NDF:2.2/5

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 4.190+/-19.103 χ^2/NDF:11.4/4

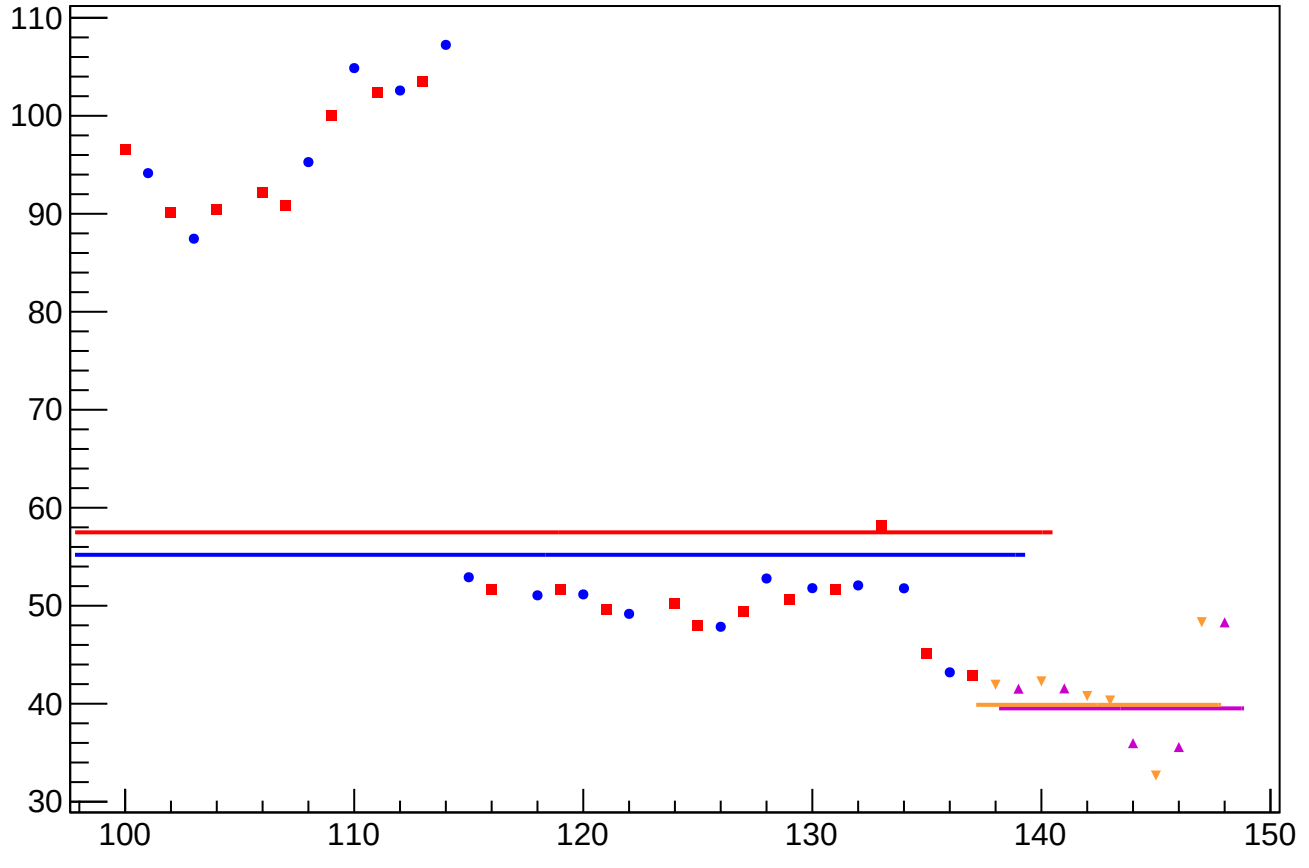
Left: 21.884+/-13.448 χ^2/NDF: 15.3/10

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -34.764+/-14.261 χ^2/NDF:31.3/20

Out: 11.533+/-14.370 χ^2/NDF:30.2/24

All: -11.791+/-10.123 χ^2/NDF: 66.7/45



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

Left: 39.708+/-0.010 χ^2/NDF: 241618.5/10

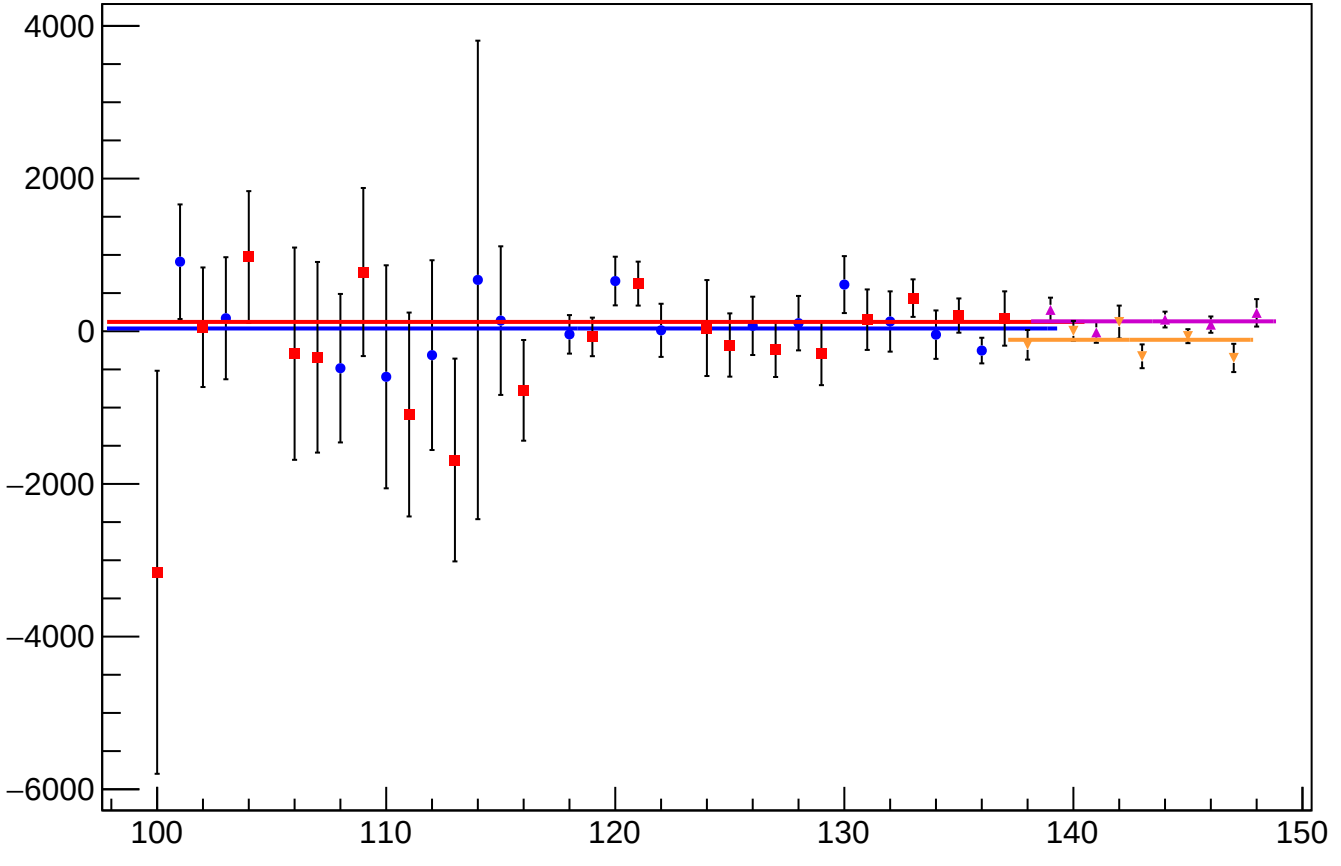
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.463+/-0.010 χ^2/NDF:1850768.1/20

Out: 47.351+/-0.010 χ^2/NDF:2146210.8/24

All: 46.904+/-0.007 χ^2/NDF: 4000827.6/45

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 129.806+/-57.269 χ^2/NDF:2.6/4

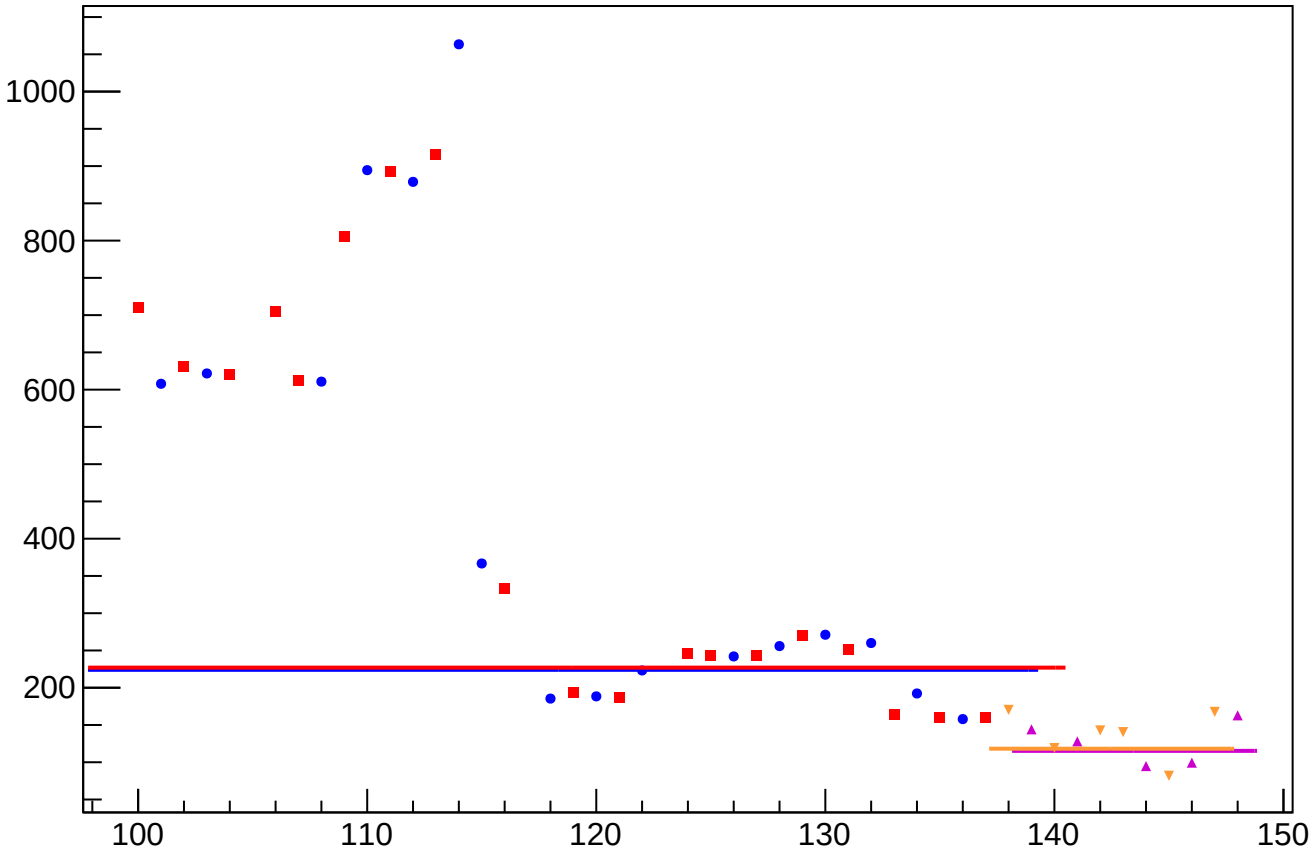
Left: 10.615+/-40.768 χ^2/NDF: 17.3/10

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 104.329+/-48.845 χ^2/NDF:14.7/20

Out: -49.028+/-49.655 χ^2/NDF:25.9/24

All: 28.911+/-34.822 χ^2/NDF: 45.5/45



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.199+/-0.041 χ^2/NDF:668290.9/5

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

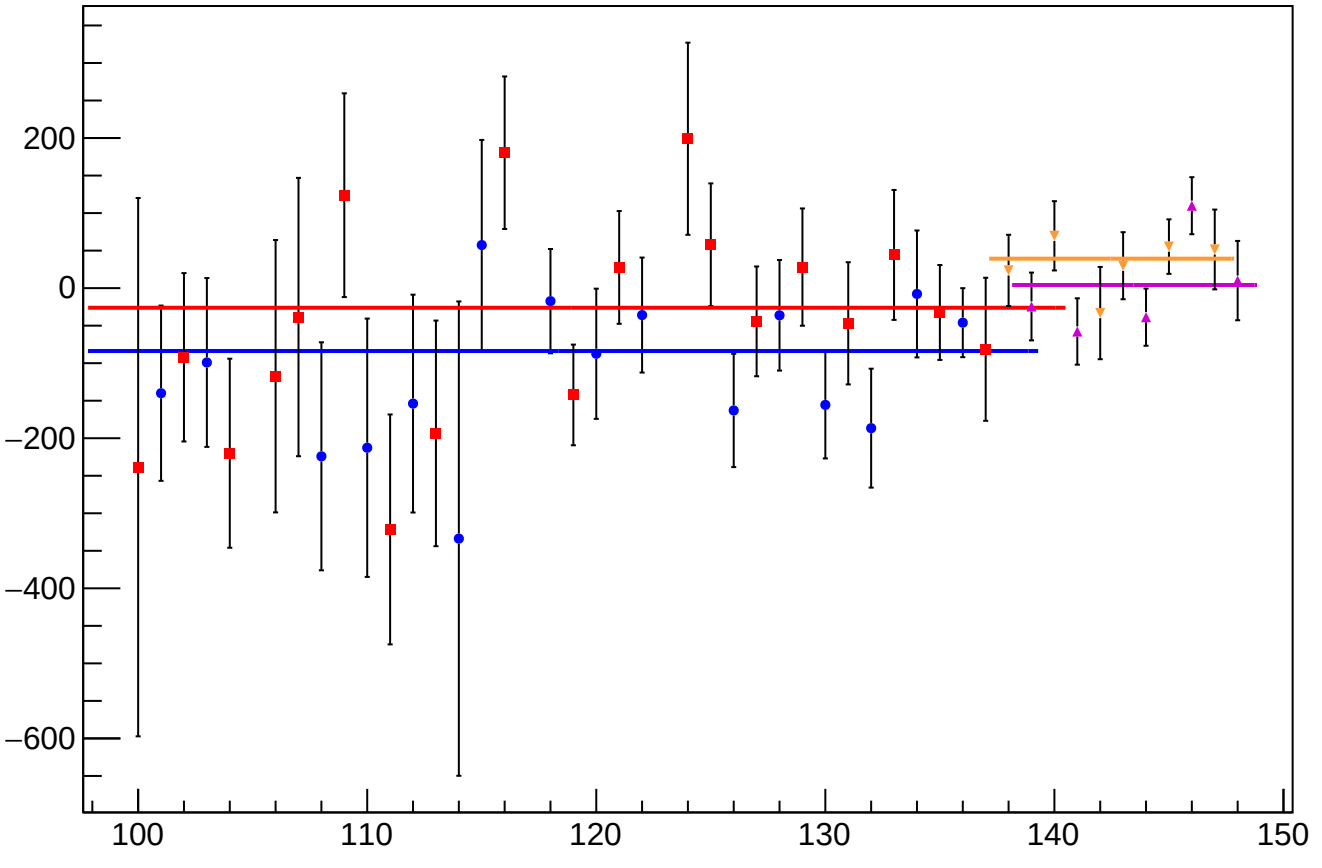
Left: 116.719+/-0.029 χ^2/NDF: 1016258.1/10

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 144.922+/-0.035 χ^2/NDF:5279489.9/20

Out: 147.382+/-0.035 χ^2/NDF:6124261.4/24

All: 146.131+/-0.025 χ^2/NDF: 11406245.6/45



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.265+/-18.934 χ^2/NDF:2.2/5

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 4.190+/-19.103 χ^2/NDF:11.4/4

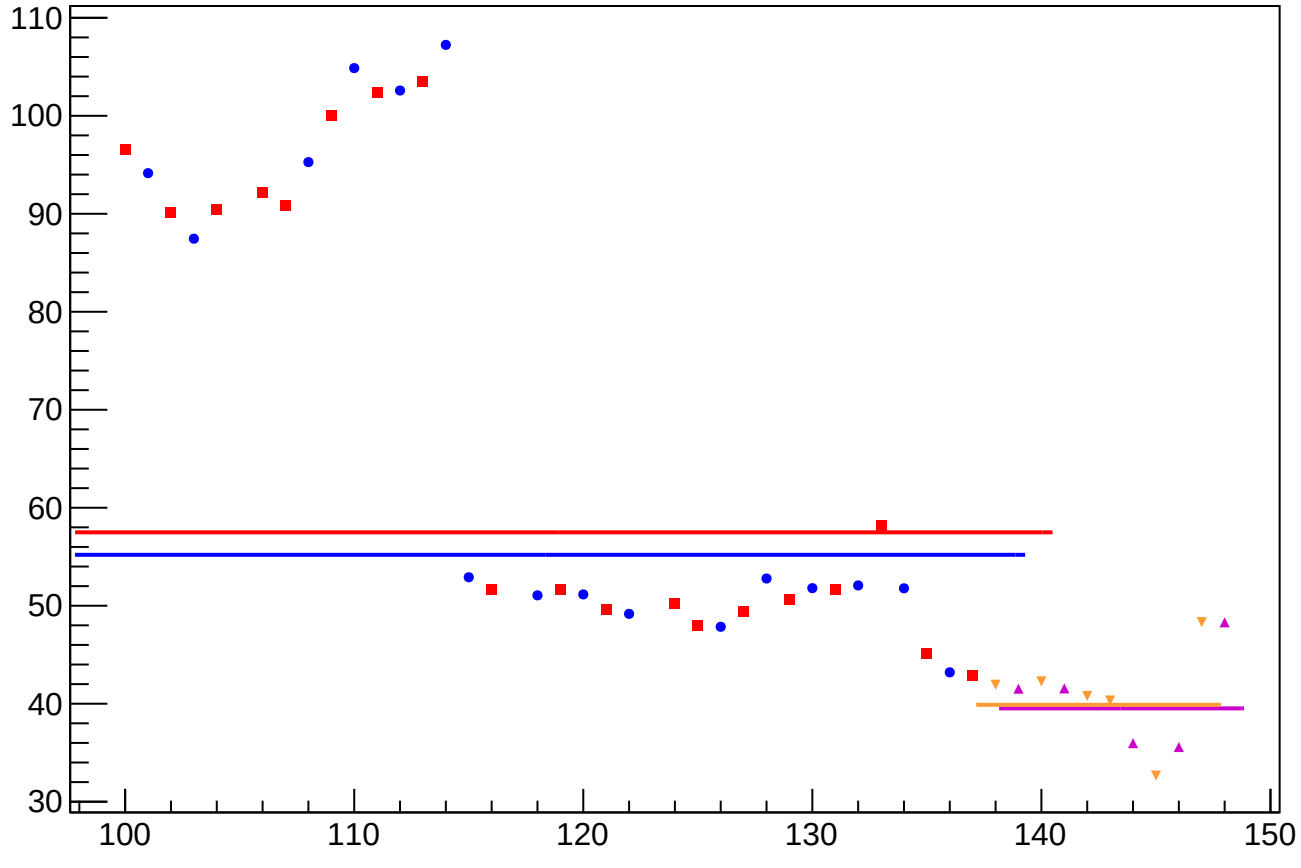
Left: 21.884+/-13.448 χ^2/NDF: 15.3/10

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -34.764+/-14.261 χ^2/NDF:31.3/20

Out: 11.533+/-14.370 χ^2/NDF:30.2/24

All: -11.791+/-10.123 χ^2/NDF: 66.7/45



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

Left: 39.708+/-0.010 χ^2/NDF: 241618.5/10

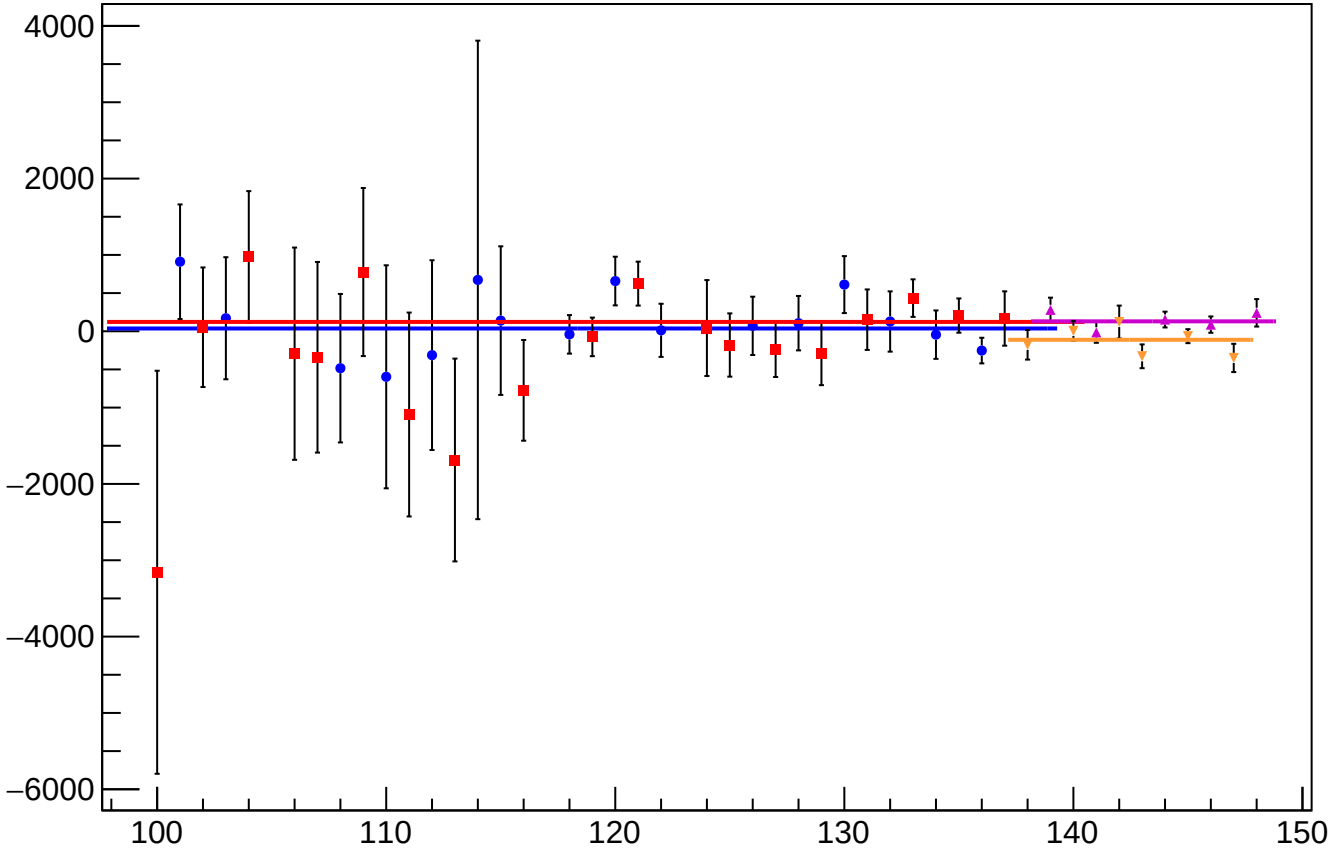
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.463+/-0.010 χ^2/NDF:1850768.1/20

Out: 47.351+/-0.010 χ^2/NDF:2146210.8/24

All: 46.904+/-0.007 χ^2/NDF: 4000827.6/45

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 129.806+/-57.269 χ^2/NDF:2.6/4

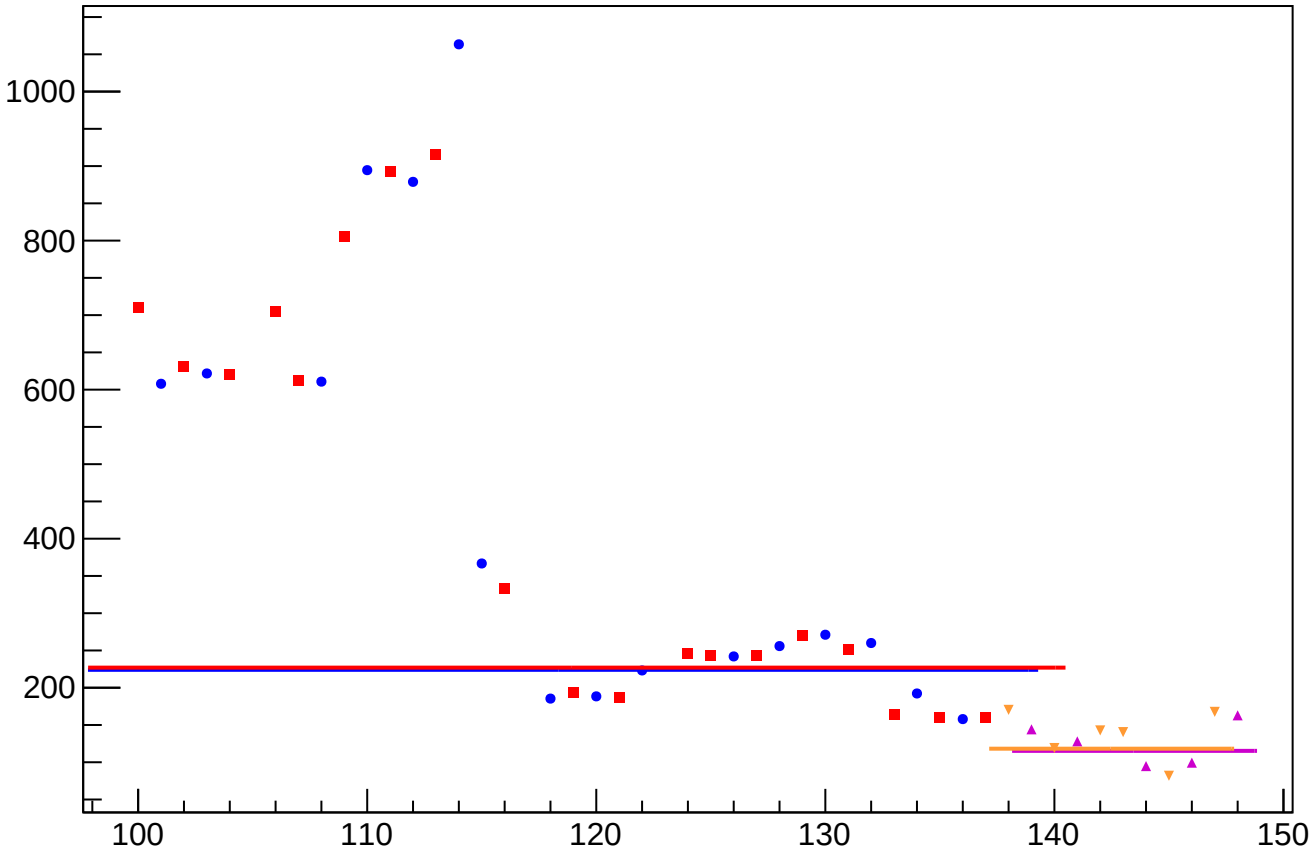
Left: 10.615+/-40.768 χ^2/NDF: 17.3/10

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 104.329+/-48.845 χ^2/NDF:14.7/20

Out: -49.028+/-49.655 χ^2/NDF:25.9/24

All: 28.911+/-34.822 χ^2/NDF: 45.5/45



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.199+/-0.041 χ^2/NDF:668290.9/5

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

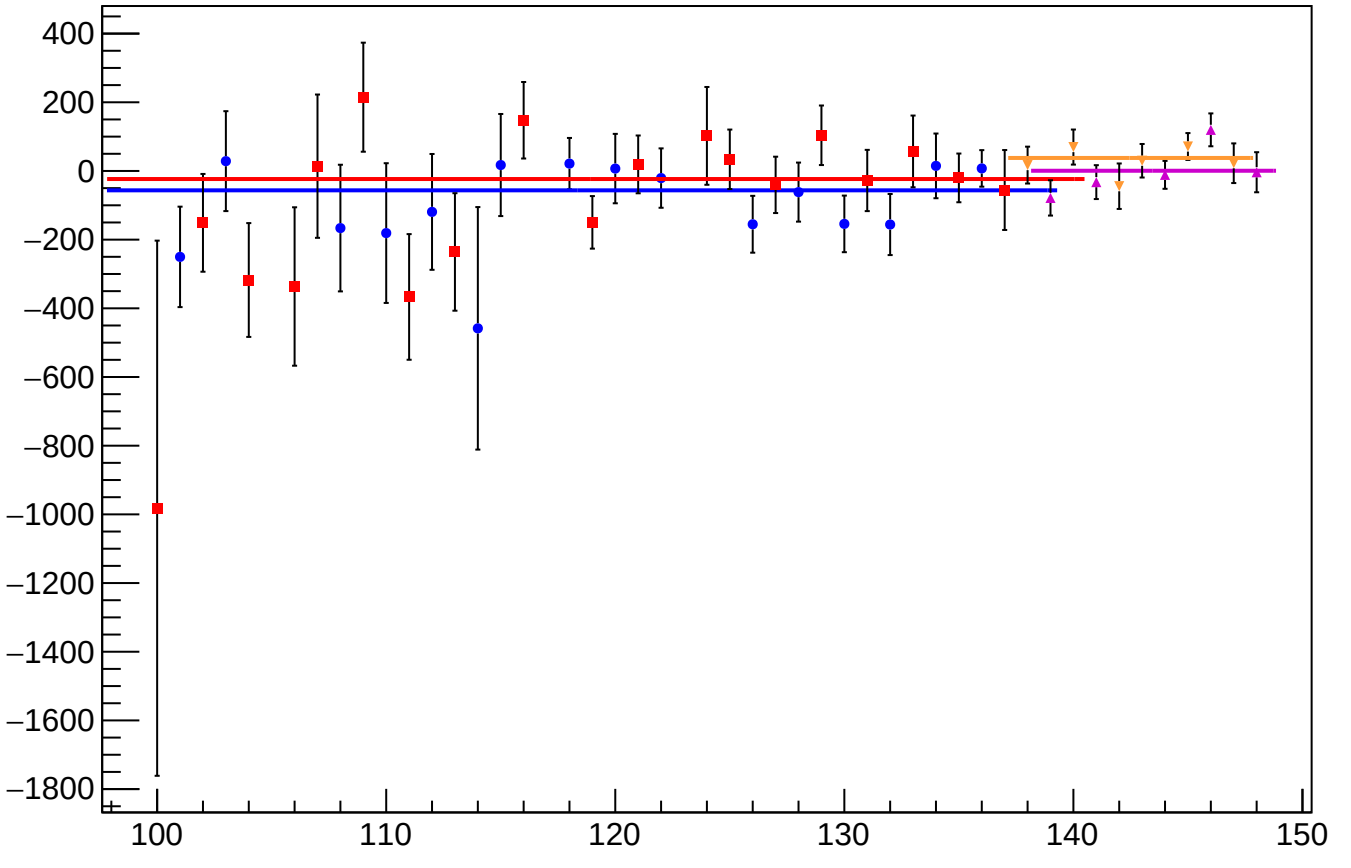
Left: 116.719+/-0.029 χ^2/NDF: 1016258.1/10

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 144.922+/-0.035 χ^2/NDF:5279489.9/20

Out: 147.382+/-0.035 χ^2/NDF:6124261.4/24

All: 146.131+/-0.025 χ^2/NDF: 11406245.6/45



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.875+/-20.703 χ^2/NDF:2.9/5

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 0.612+/-21.693 χ^2/NDF:9.1/4

Left: 20.113+/-14.977 χ^2/NDF: 13.6/10

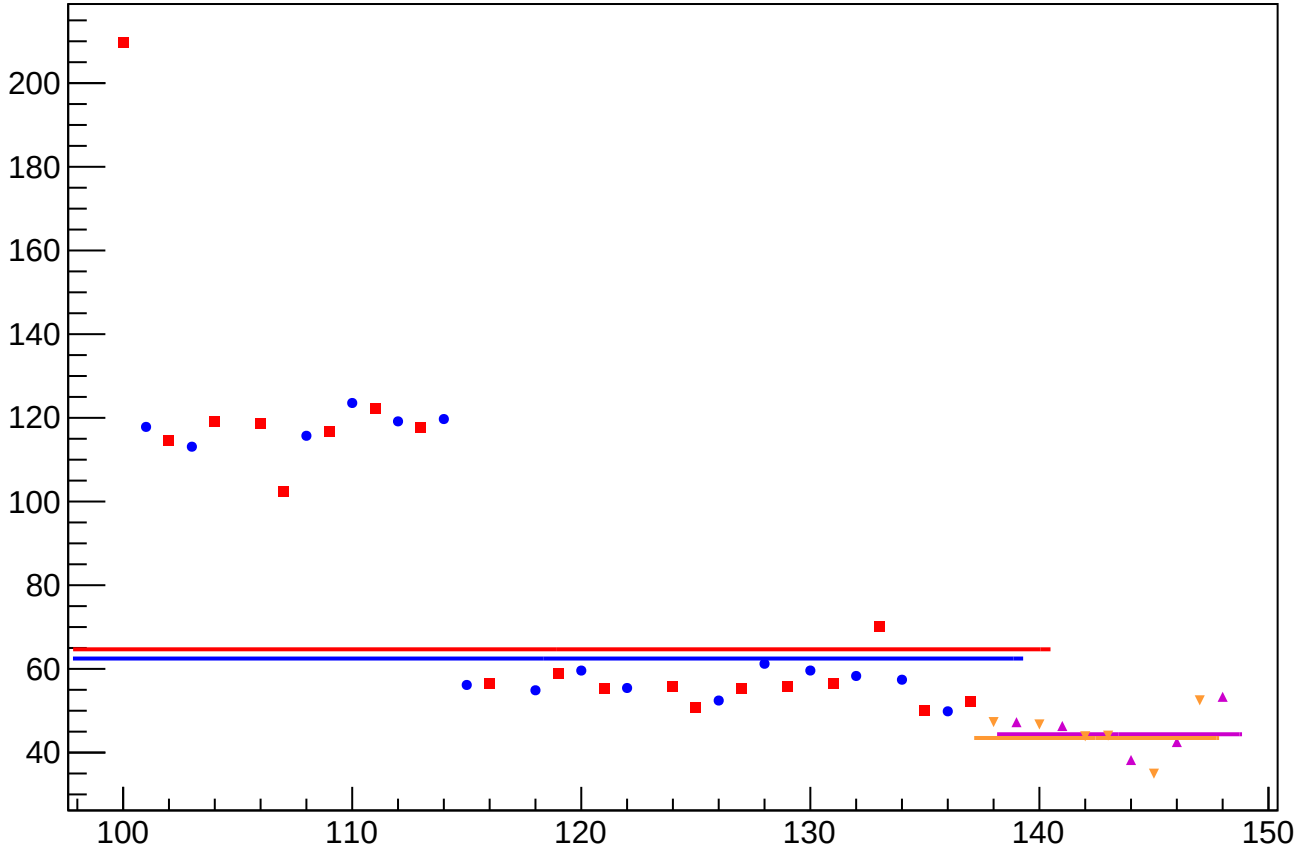
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -24.460+/-16.238 χ^2/NDF:24.4/20

Out: 13.098+/-15.987 χ^2/NDF:30.5/24

All: -5.388+/-11.392 χ^2/NDF: 57.7/45

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 43.486+/-0.015 χ^2/NDF:162227.4/5

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 44.377+/-0.015 χ^2/NDF:105436.7/4

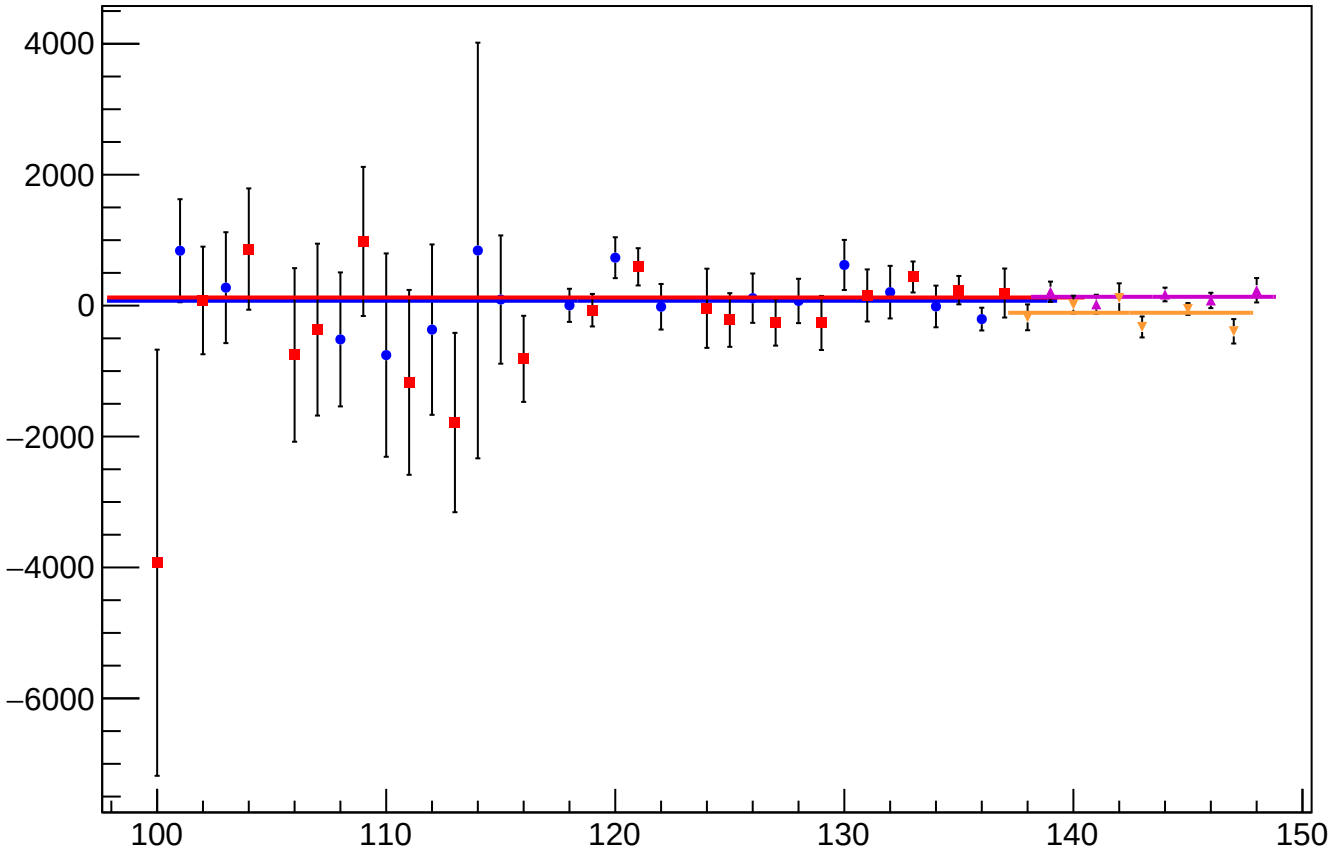
Left: 43.911+/-0.011 χ^2/NDF: 269429.1/10

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 52.334+/-0.011 χ^2/NDF:2065673.4/20

Out: 52.043+/-0.011 χ^2/NDF:2598876.2/24

All: 52.186+/-0.008 χ^2/NDF: 4664876.0/45



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.262+/-58.692 χ^2/NDF:6.5/5

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 134.622+/-59.651 χ^2/NDF:1.5/4

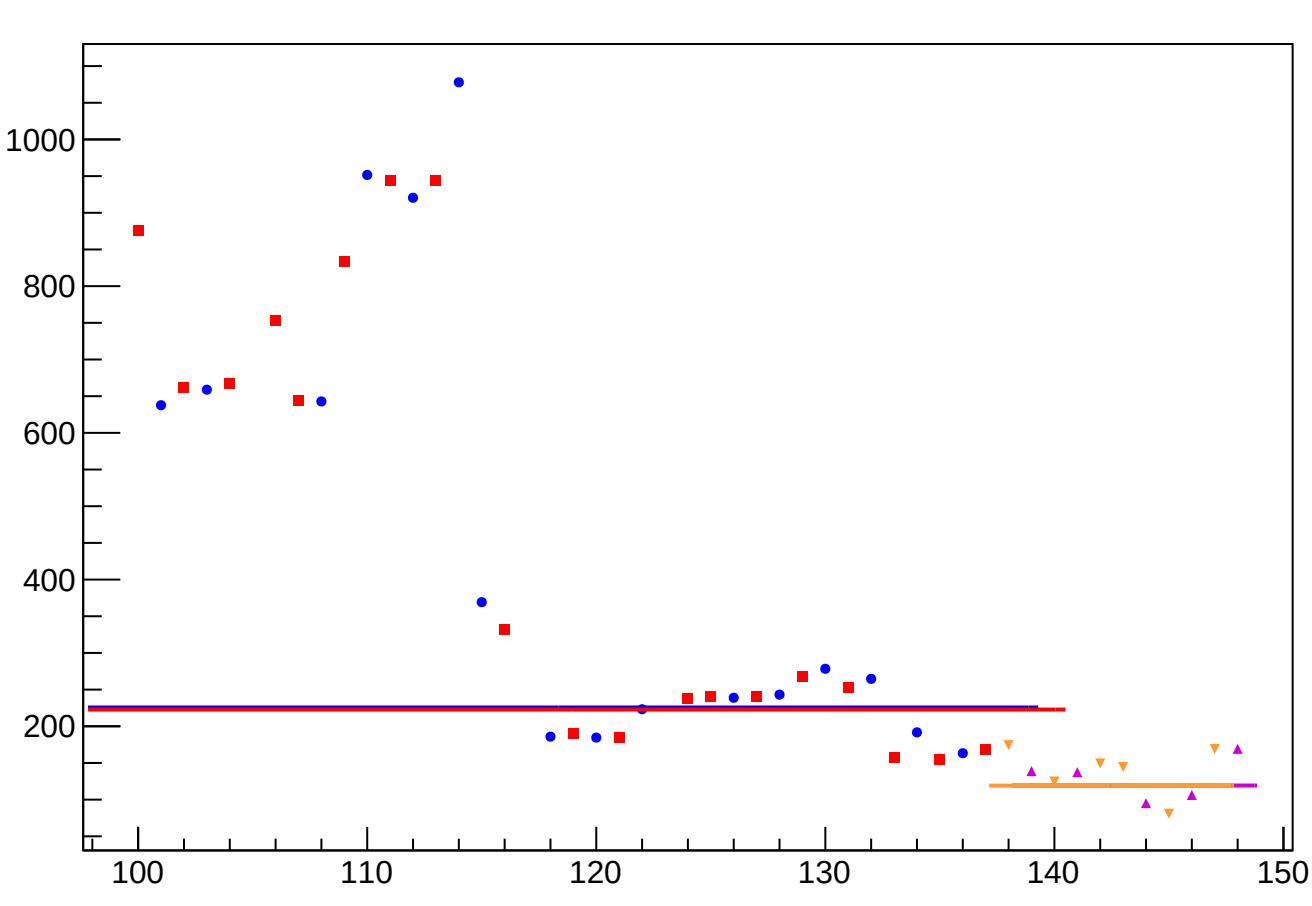
Left: 10.704+/-41.836 χ^2/NDF: 16.5/10

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 117.432+/-50.441 χ^2/NDF:13.0/20

Out: -44.439+/-49.882 χ^2/NDF:27.2/24

All: 35.595+/-35.468 χ^2/NDF: 45.4/45



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 119.081+/-0.042 χ^2/NDF:750421.3/5

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 119.249+/-0.042 χ^2/NDF:336311.2/4

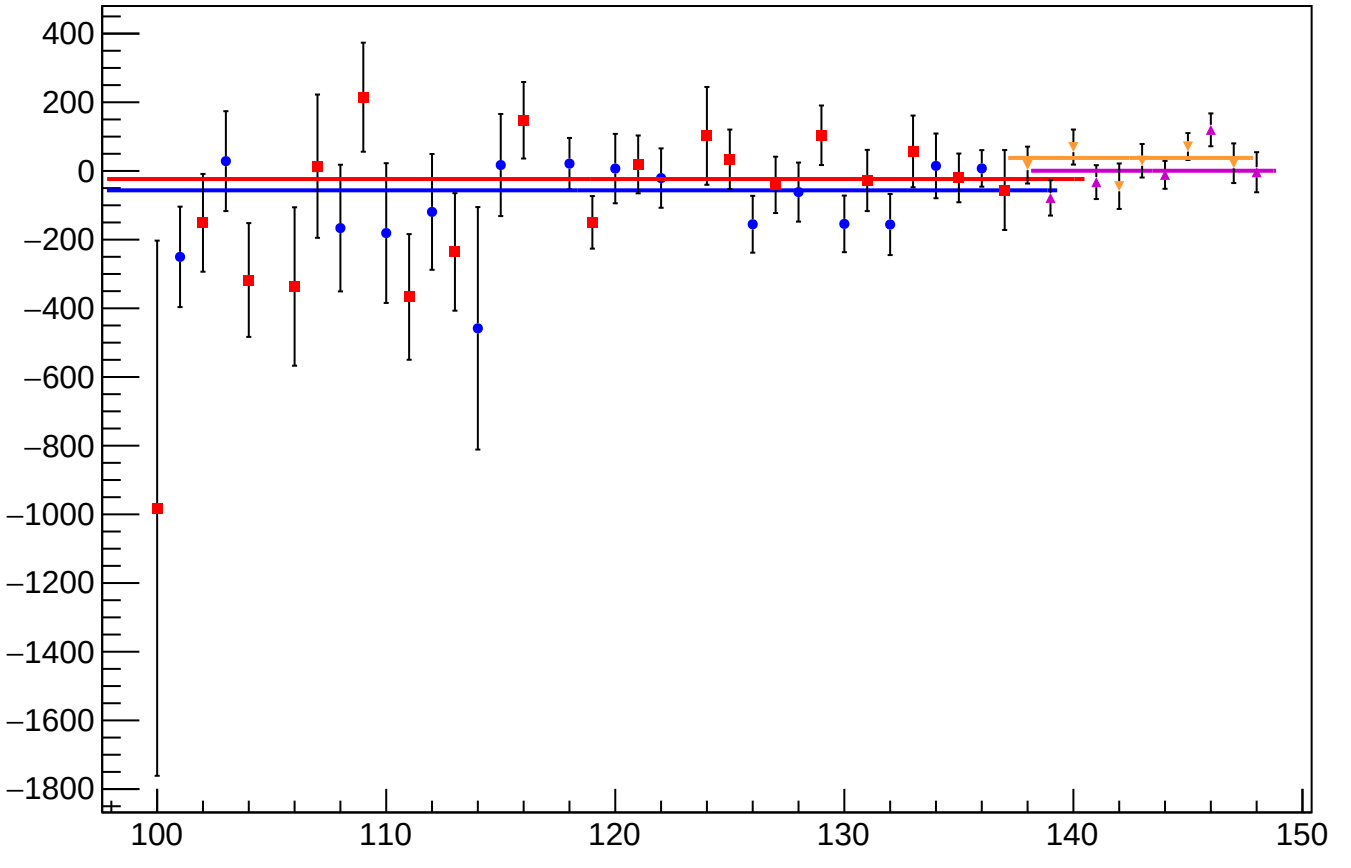
Left: 119.163+/-0.030 χ^2/NDF: 1086740.5/10

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 149.558+/-0.036 χ^2/NDF:5174387.9/20

Out: 147.876+/-0.035 χ^2/NDF:6332344.4/24

All: 148.707+/-0.025 χ^2/NDF: 11507856.9/45



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.875+/-20.703 χ^2/NDF:2.9/5

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 0.613+/-21.693 χ^2/NDF:9.1/4

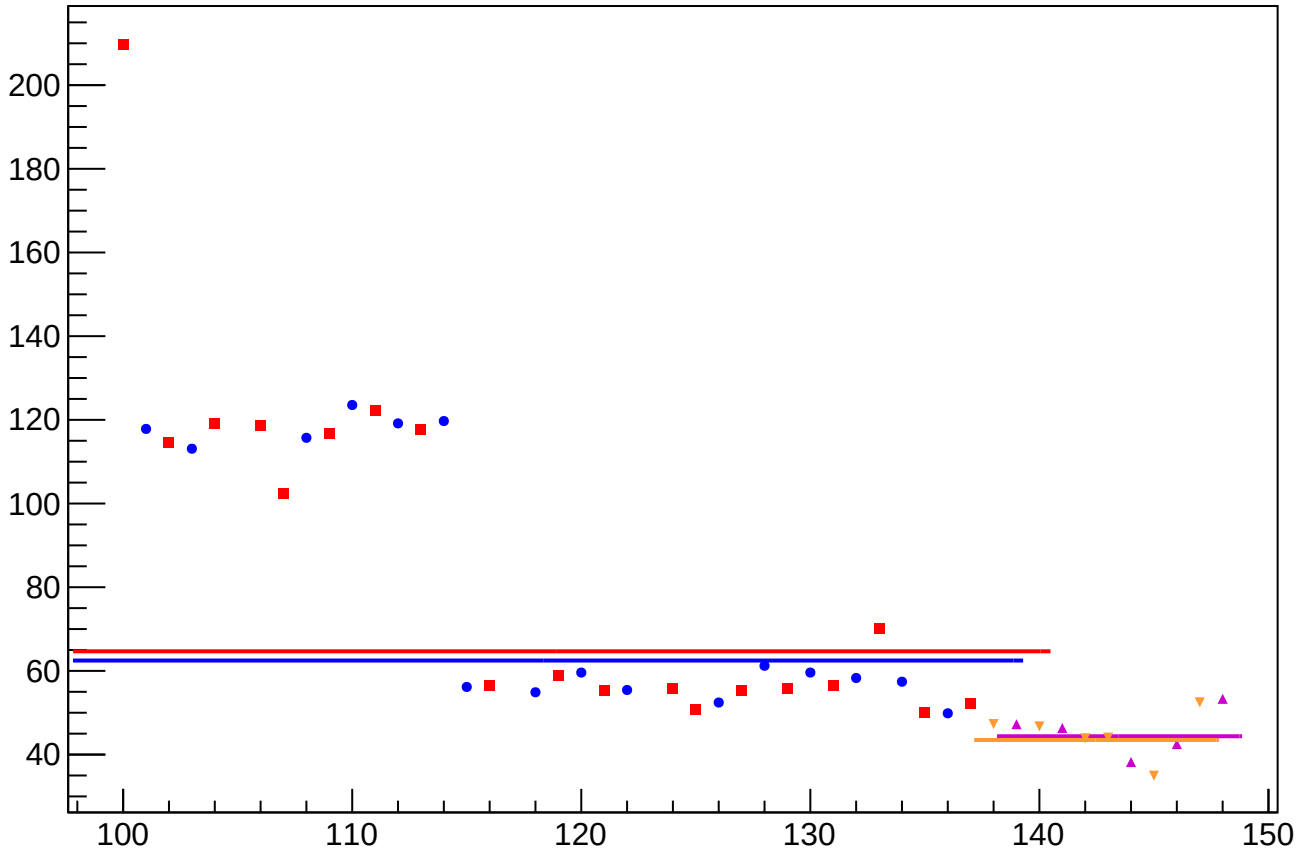
Left: 20.113+/-14.977 χ^2/NDF: 13.6/10

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -24.461+/-16.238 χ^2/NDF:24.4/20

Out: 13.097+/-15.987 χ^2/NDF:30.5/24

All: -5.389+/-11.392 χ^2/NDF: 57.7/45



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 43.486+/-0.015 χ^2/NDF:162230.4/5

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 44.377+/-0.015 χ^2/NDF:105435.9/4

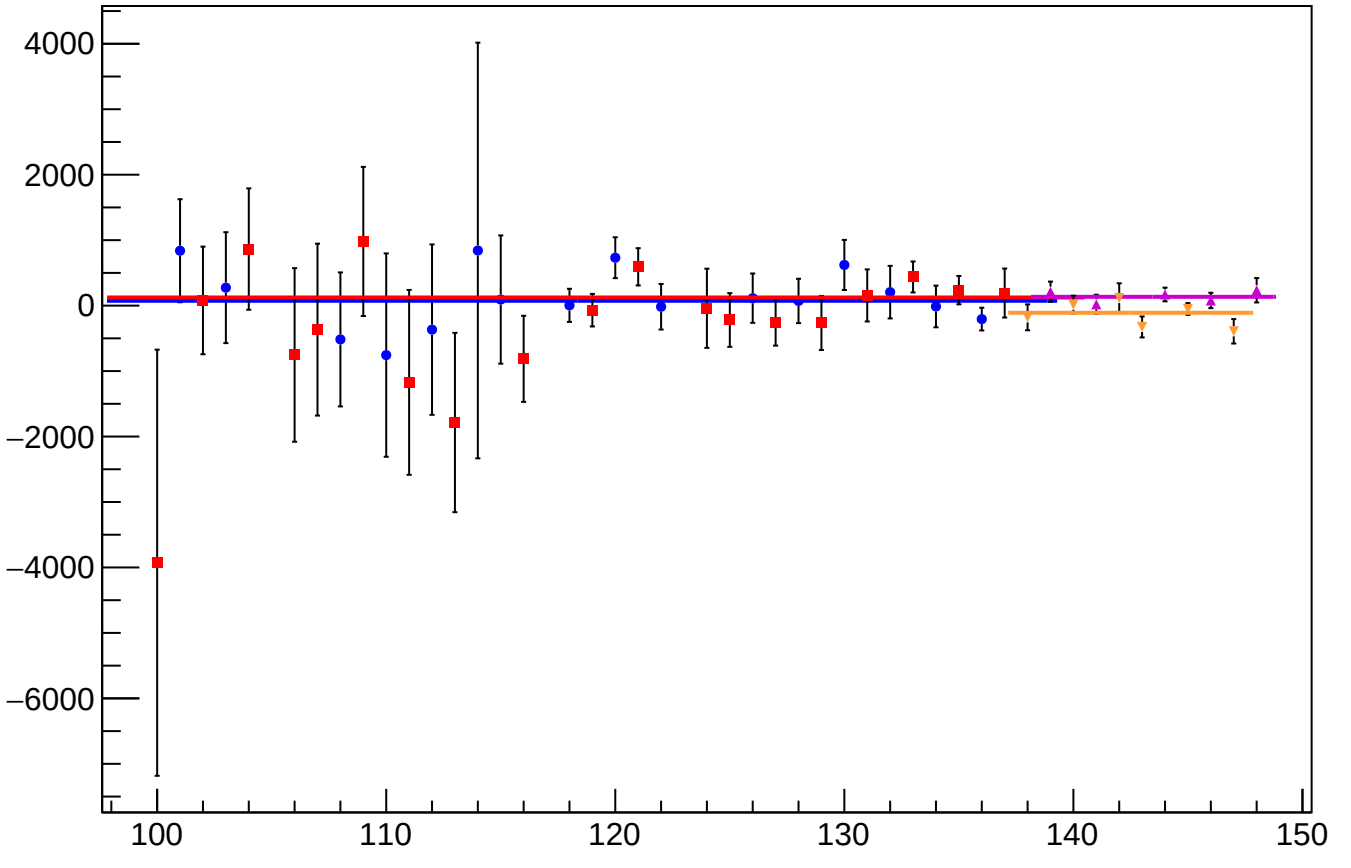
Left: 43.911+/-0.011 χ^2/NDF: 269431.0/10

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 52.334+/-0.011 χ^2/NDF:2065622.1/20

Out: 52.043+/-0.011 χ^2/NDF:2598833.8/24

All: 52.186+/-0.008 χ^2/NDF: 4664782.0/45



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -109.262+/-58.692 χ^2/NDF:6.5/5

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 134.623+/-59.651 χ^2/NDF:1.5/4

Left: 10.704+/-41.836 χ^2/NDF: 16.5/10

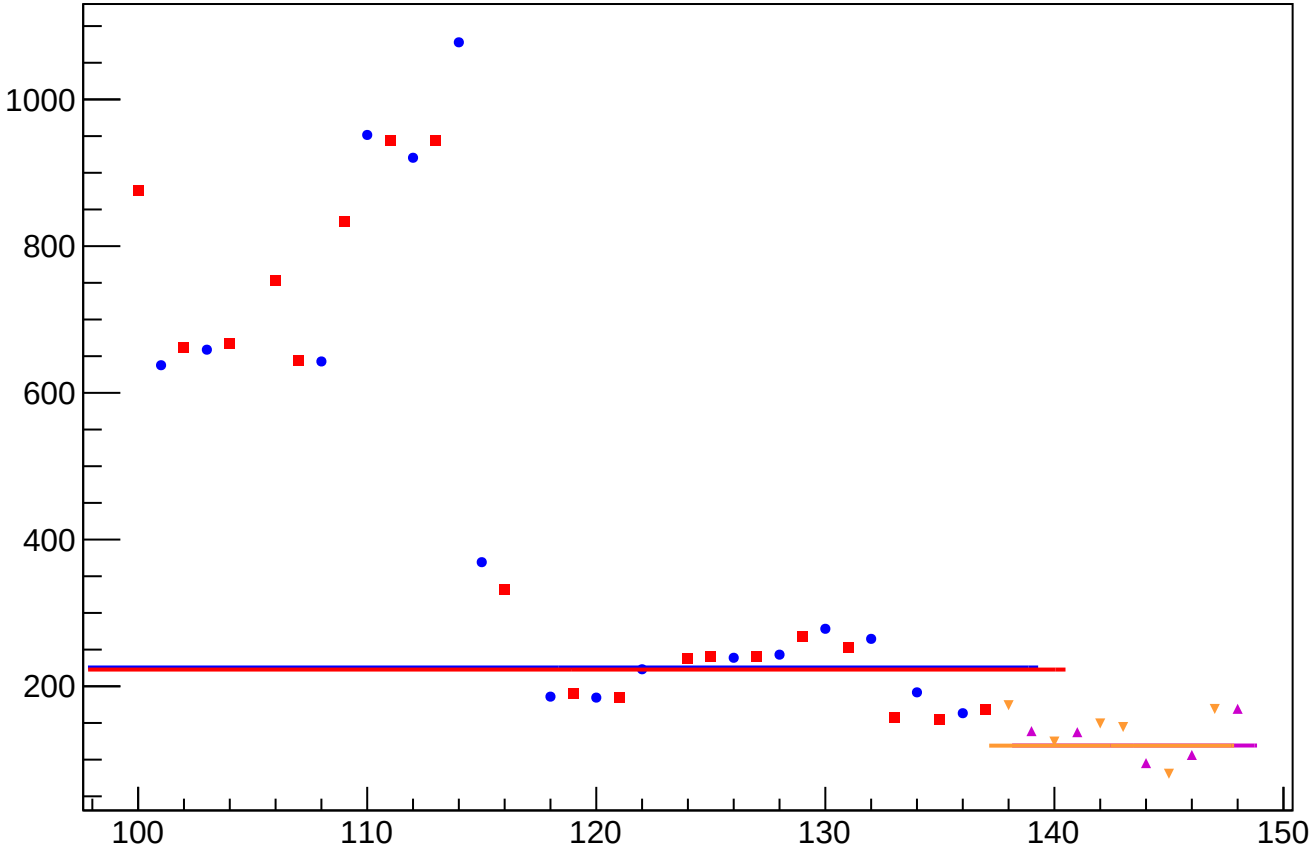
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 117.432+/-50.441 χ^2/NDF:13.0/20

Out: -44.439+/-49.883 χ^2/NDF:27.2/24

All: 35.596+/-35.468 χ^2/NDF: 45.4/45

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: 119.081+/-0.042 χ^2/NDF:750430.2/5

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 119.249+/-0.042 χ^2/NDF:336319.5/4

Left: 119.164+/-0.030 χ^2/NDF: 1086757.6/10

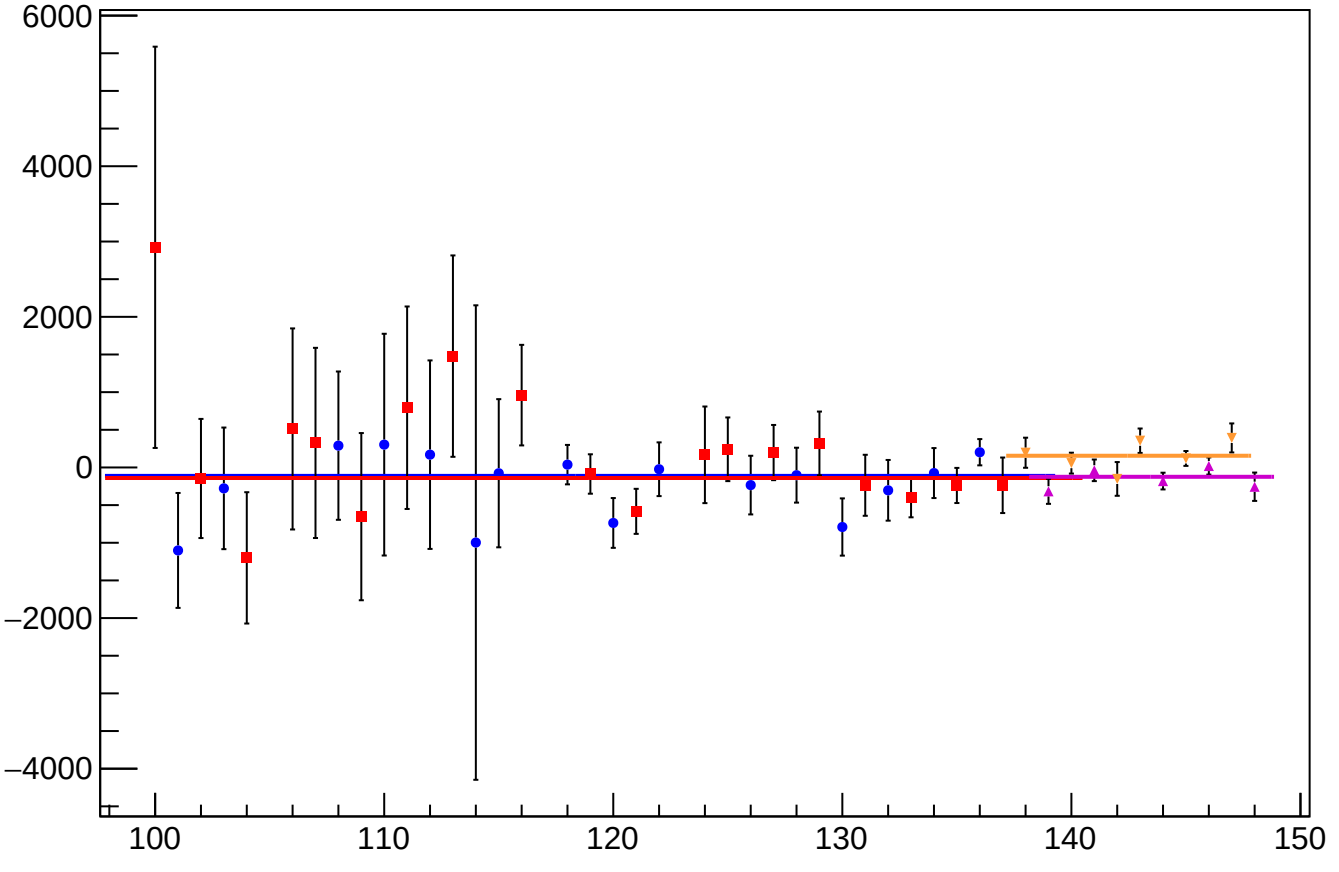
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 149.558+/-0.036 χ^2/NDF:5174374.2/20

Out: 147.876+/-0.035 χ^2/NDF:6332326.7/24

All: 148.708+/-0.025 χ^2/NDF: 11507825.2/45

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 155.583+/-61.449 χ^2/NDF:5.6/5

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -123.996+/-60.706 χ^2/NDF:4.0/4

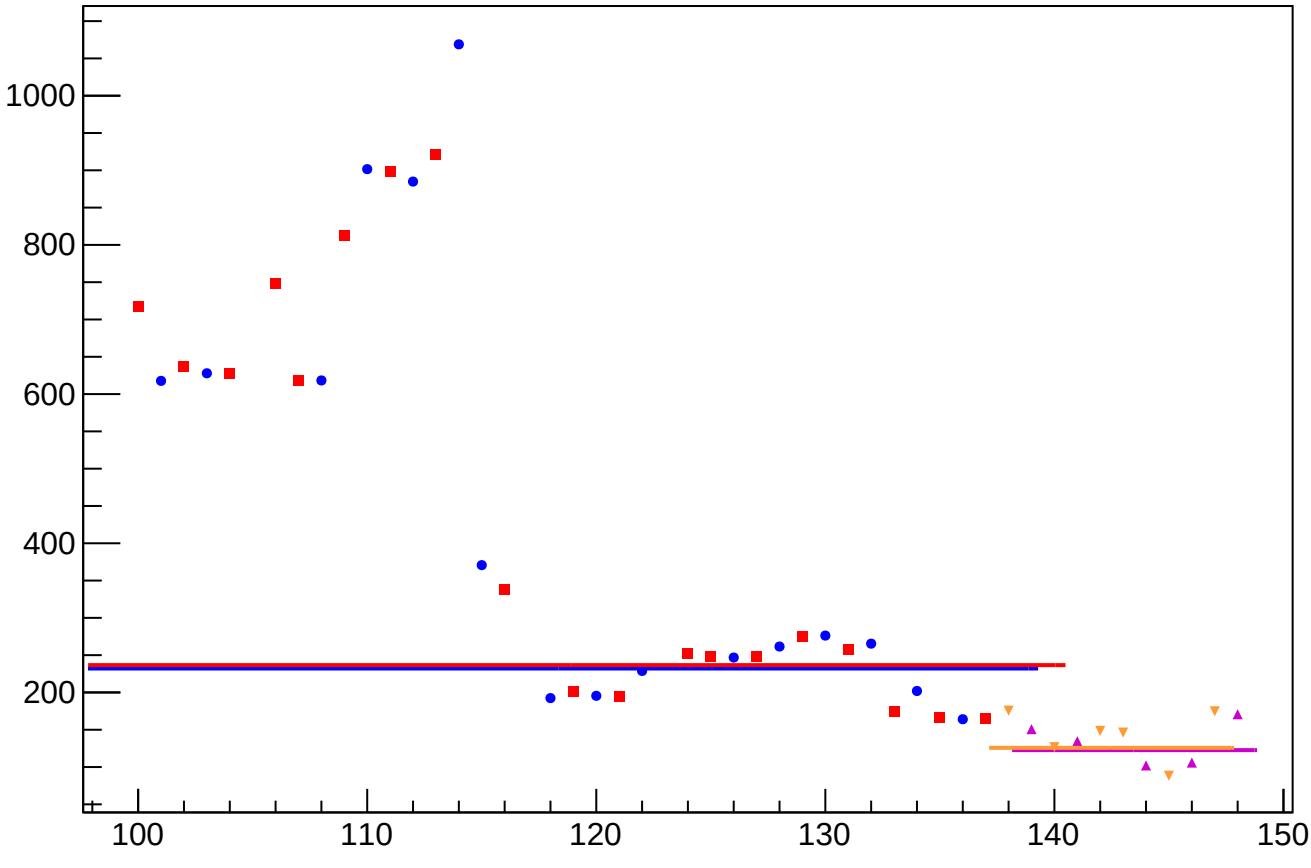
Left: 14.092+/-43.186 χ^2/NDF: 20.1/10

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -120.573+/-51.392 χ^2/NDF:16.9/20

Out: 73.592+/-52.235 χ^2/NDF:26.6/24

All: -25.071+/-36.634 χ^2/NDF: 50.6/45



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 125.756+/-0.043 χ^2/NDF:593202.4/5

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 122.678+/-0.043 χ^2/NDF:313159.6/4

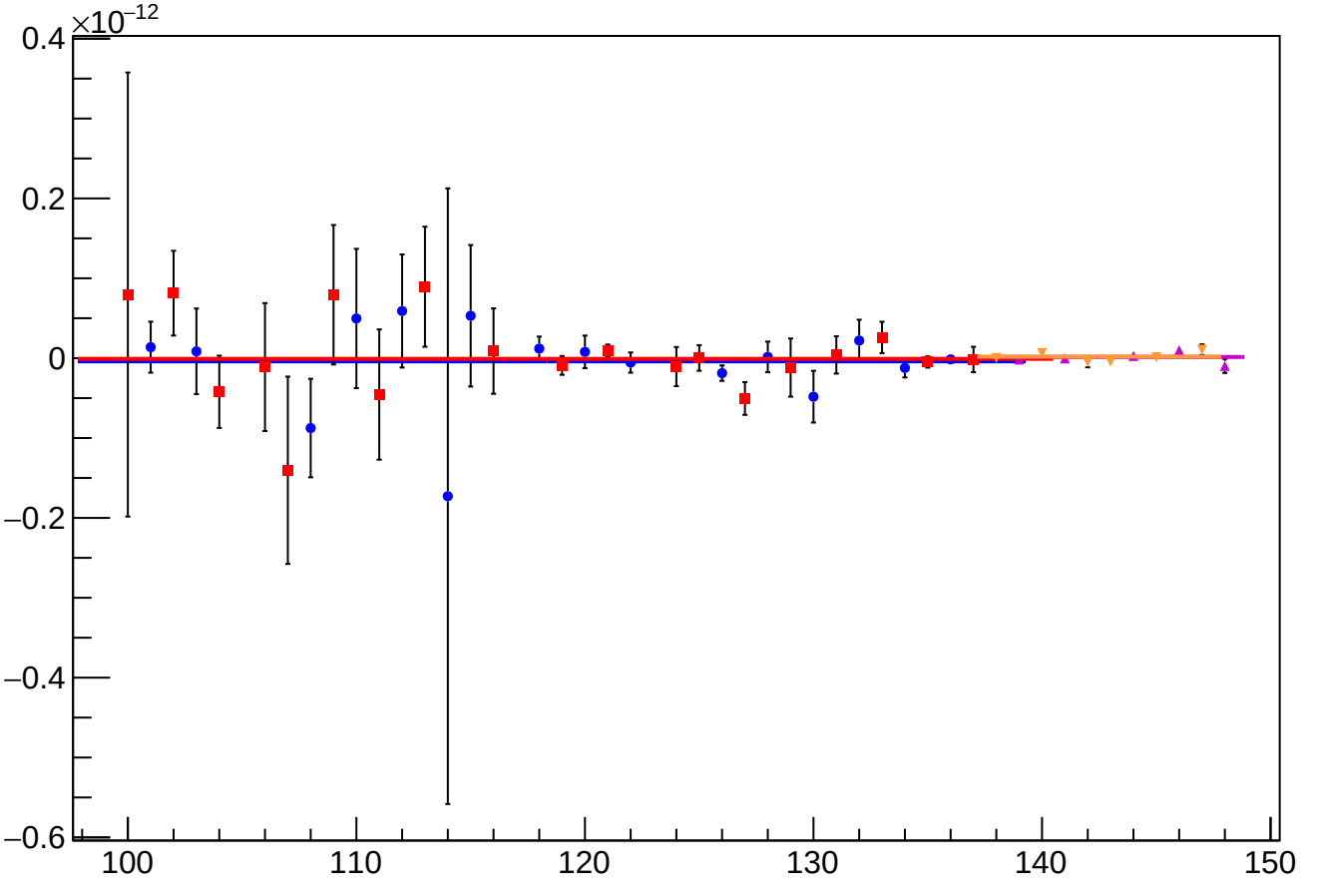
Left: 124.198+/-0.031 χ^2/NDF: 908901.6/10

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 153.681+/-0.036 χ^2/NDF:5039902.3/20

Out: 156.519+/-0.037 χ^2/NDF:5921054.8/24

All: 155.077+/-0.026 χ^2/NDF: 10963956.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/4

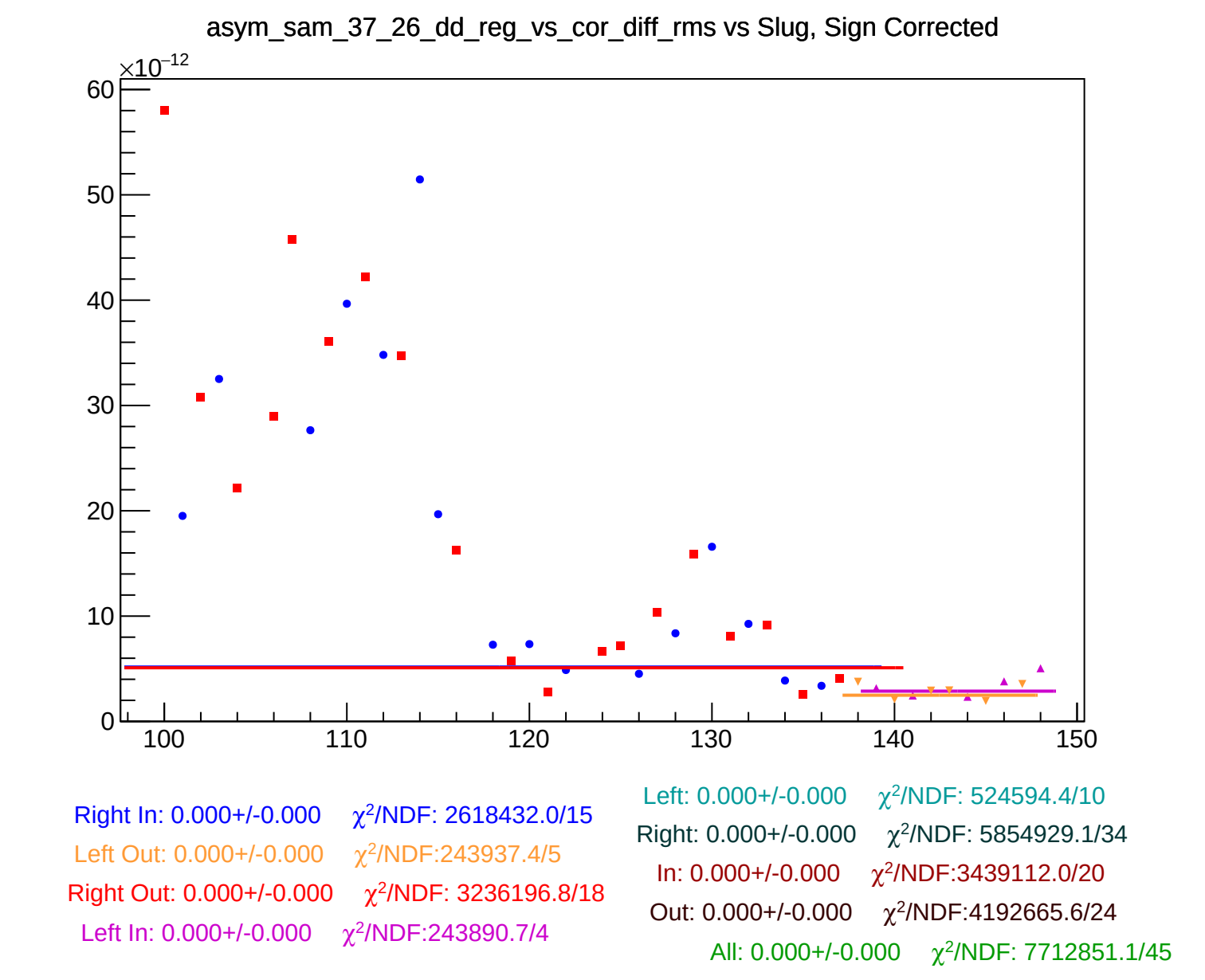
Left: 0.000+/-0.000 χ^2/NDF: 10.4/10

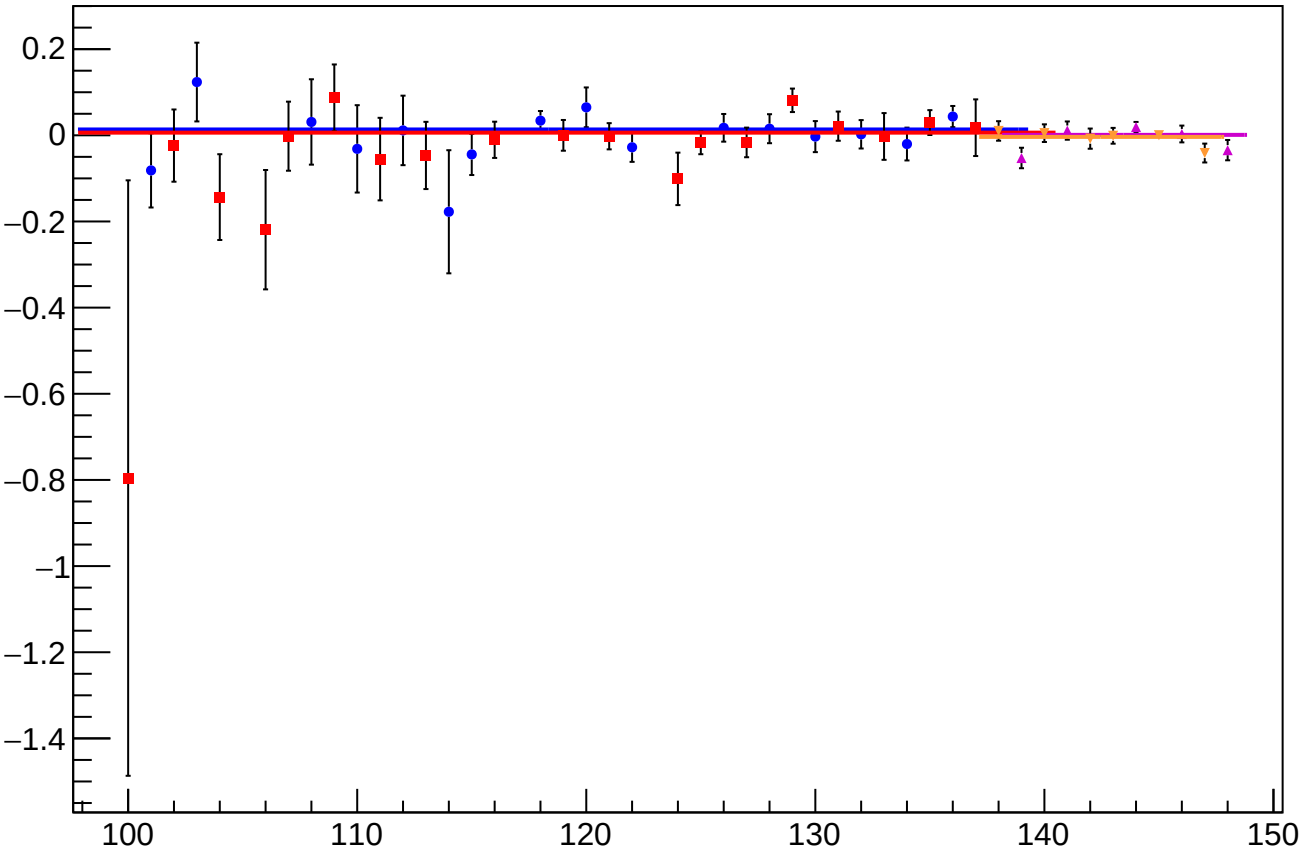
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:17.4/20

Out: 0.000+/-0.000 χ^2/NDF:24.5/24

All: 0.000+/-0.000 χ^2/NDF: 42.2/45


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:243937.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:243890.7/4
Left: 0.000+/-0.000 χ²/NDF: 524594.4/10
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:3439112.0/20
Out: 0.000+/-0.000 χ²/NDF:4192665.6/24
All: 0.000+/-0.000 χ²/NDF: 7712851.1/45



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.008 χ^2/NDF:10.0/4

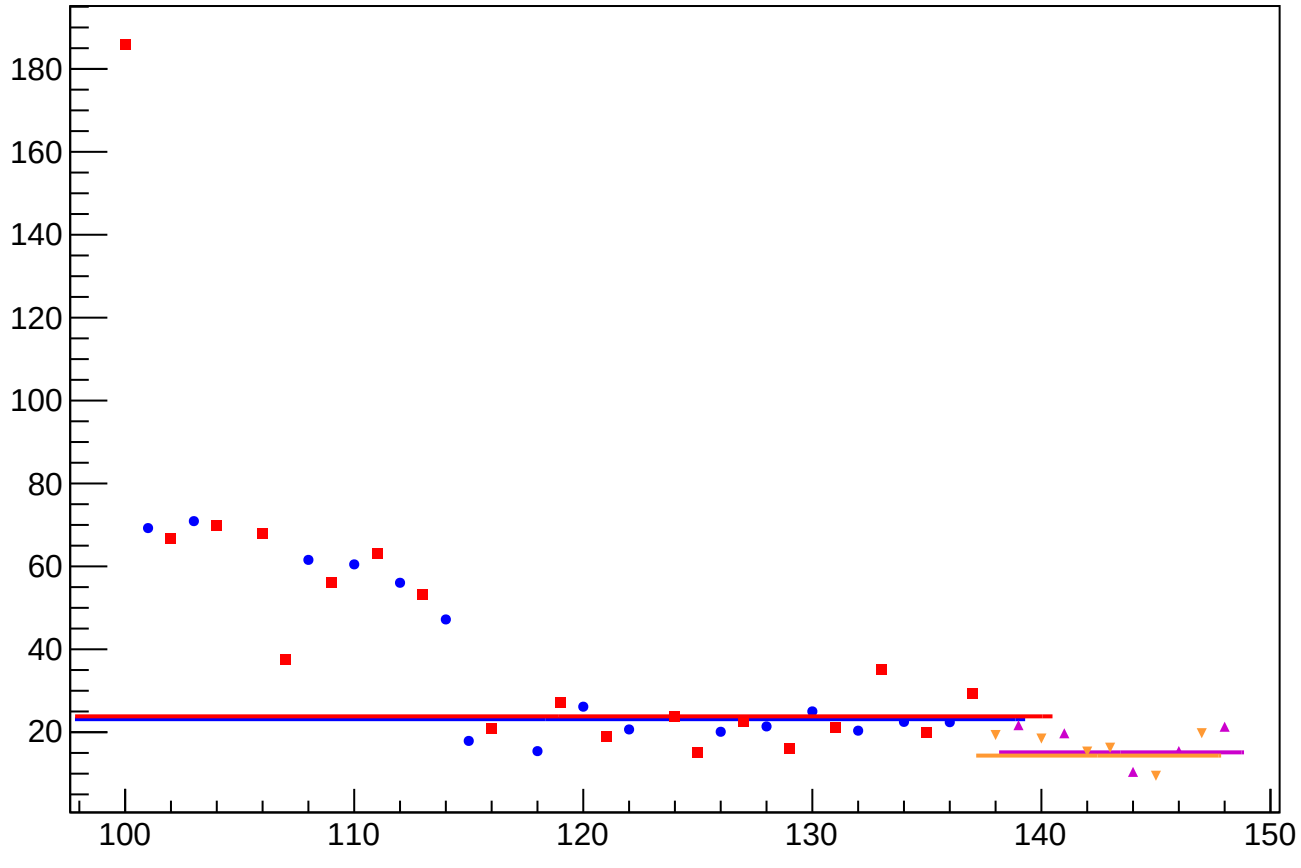
Left: -0.002+/-0.005 χ^2/NDF: 13.8/10

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.003+/-0.004 χ^2/NDF: 49.6/45



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.360+/-0.005 χ^2/NDF:693379.7/5

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

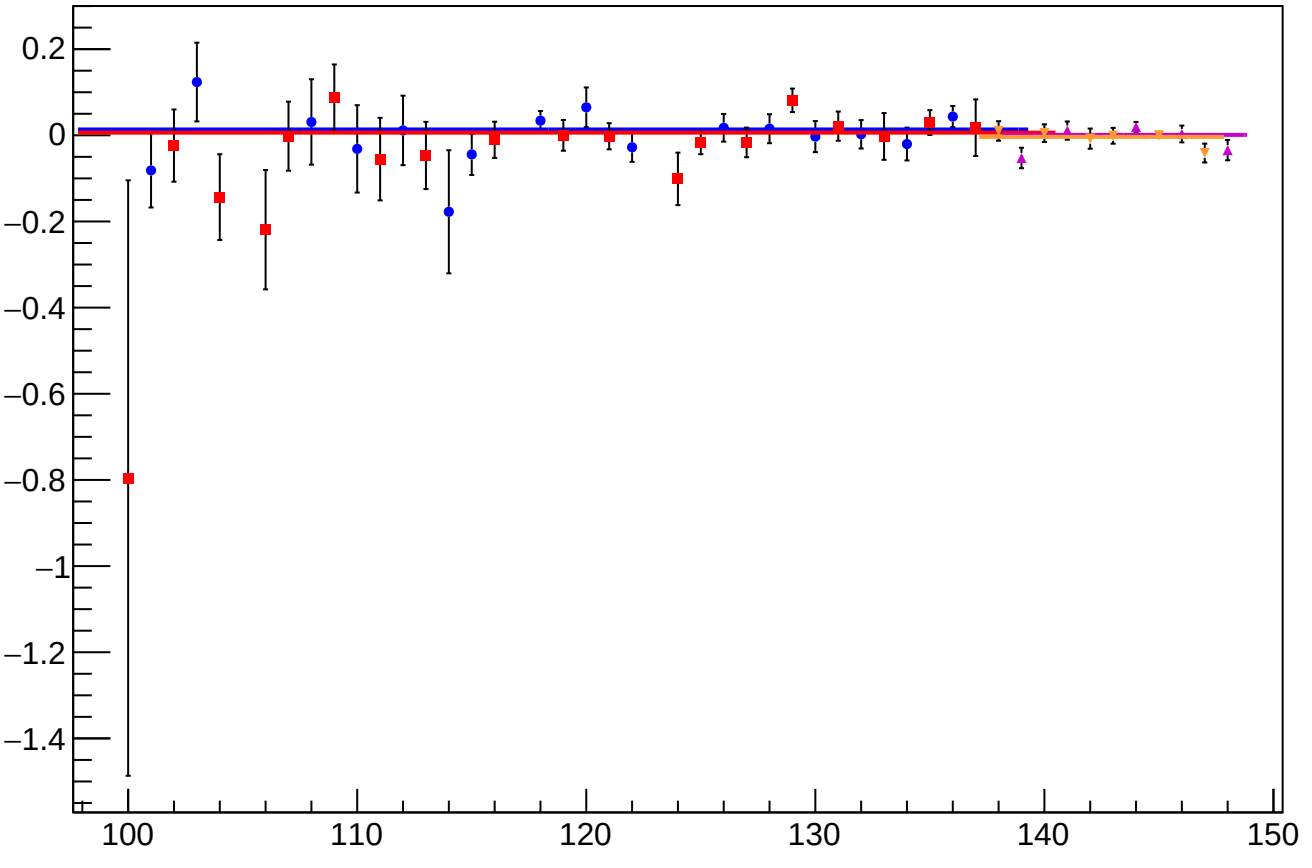
Left: 14.711+/-0.004 χ^2/NDF: 1407117.0/10

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.323+/-0.004 χ^2/NDF:3905943.0/20

Out: 17.591+/-0.004 χ^2/NDF:4756634.9/24

All: 17.937+/-0.003 χ^2/NDF: 8677254.1/45



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.008 χ^2/NDF:10.0/4

Left: -0.002+/-0.005 χ^2/NDF: 13.8/10

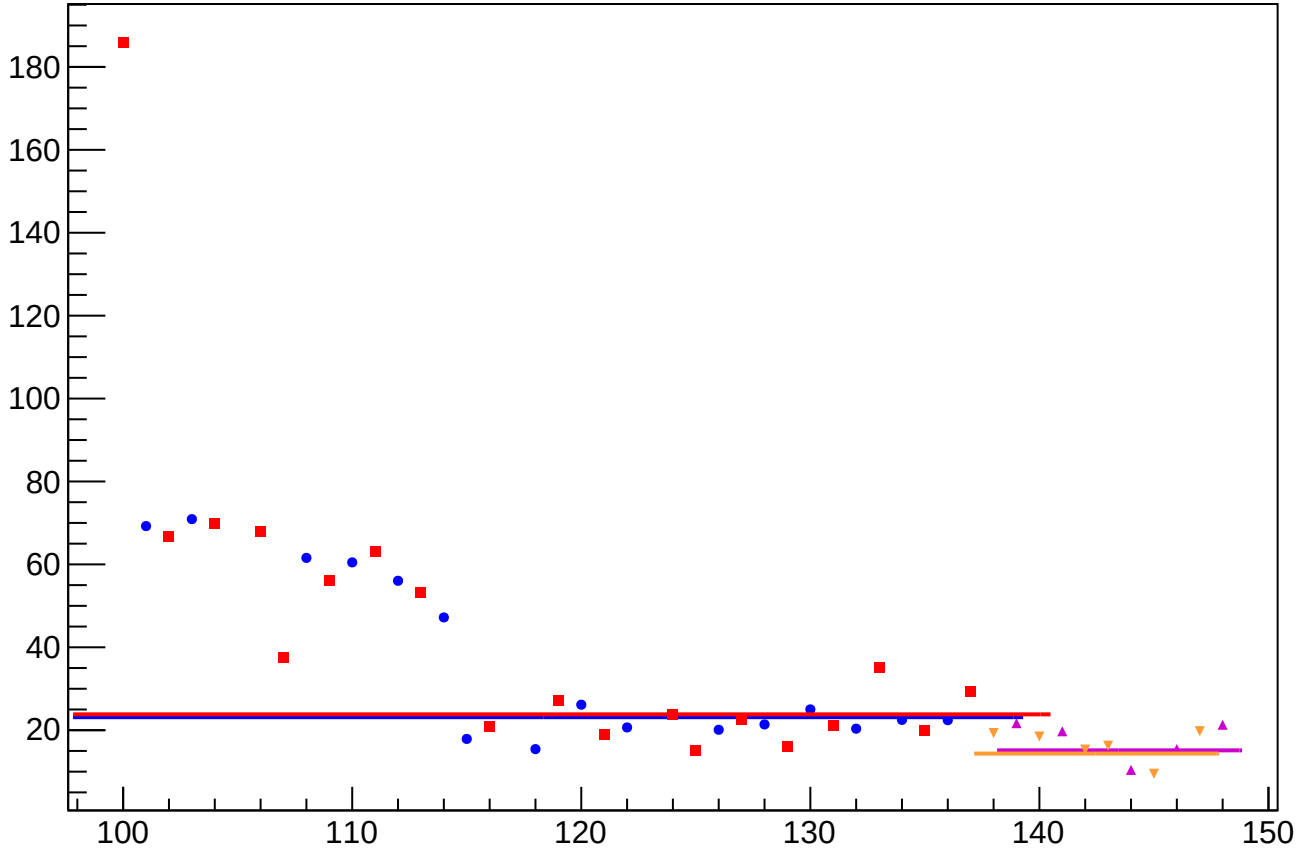
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.003+/-0.004 χ^2/NDF: 49.6/45

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: 14.360+/-0.005 χ^2/NDF:693379.7/5

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

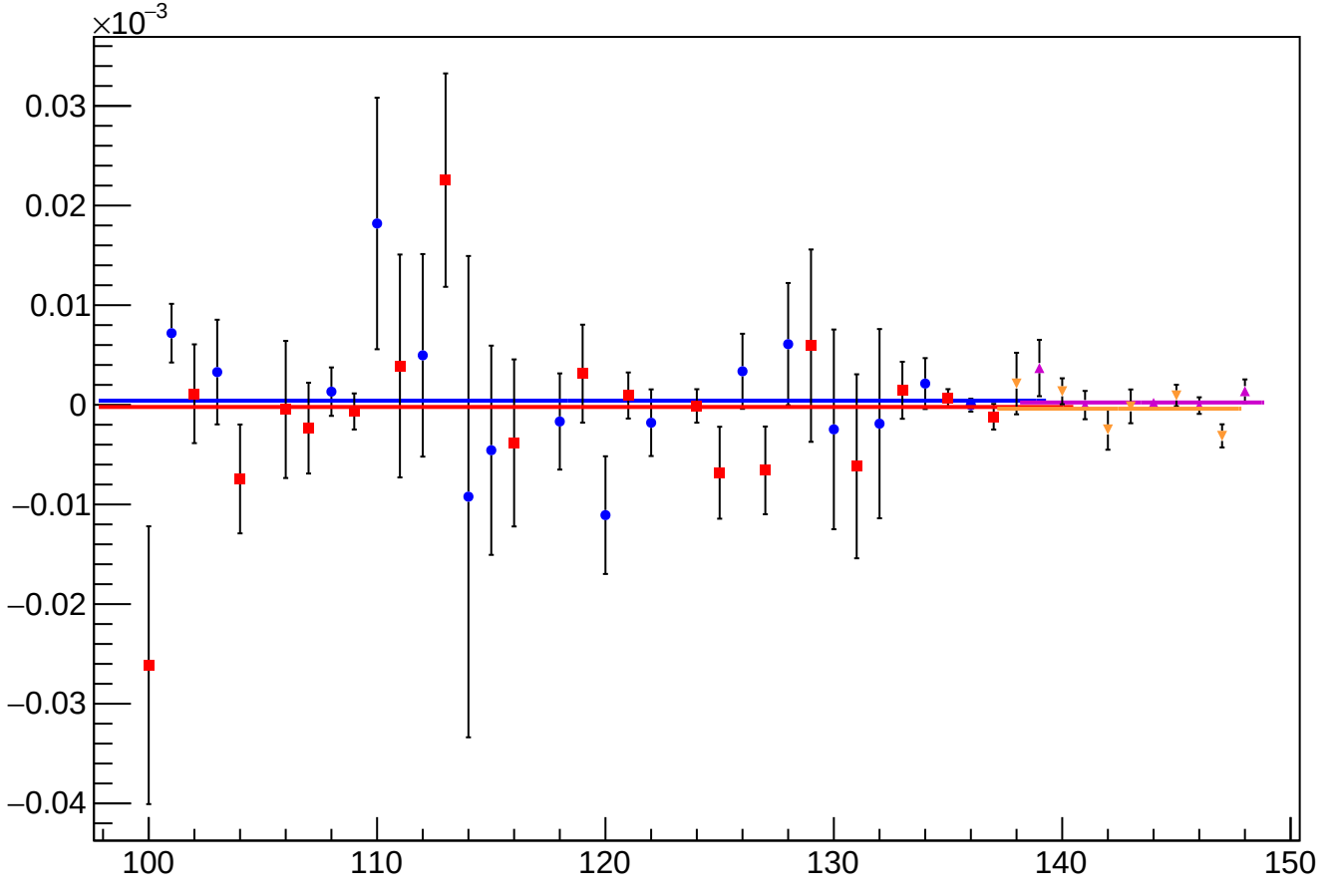
Left: 14.711+/-0.004 χ^2/NDF: 1407117.0/10

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.323+/-0.004 χ^2/NDF:3905943.0/20

Out: 17.591+/-0.004 χ^2/NDF:4756634.9/24

All: 17.937+/-0.003 χ^2/NDF: 8677254.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/4

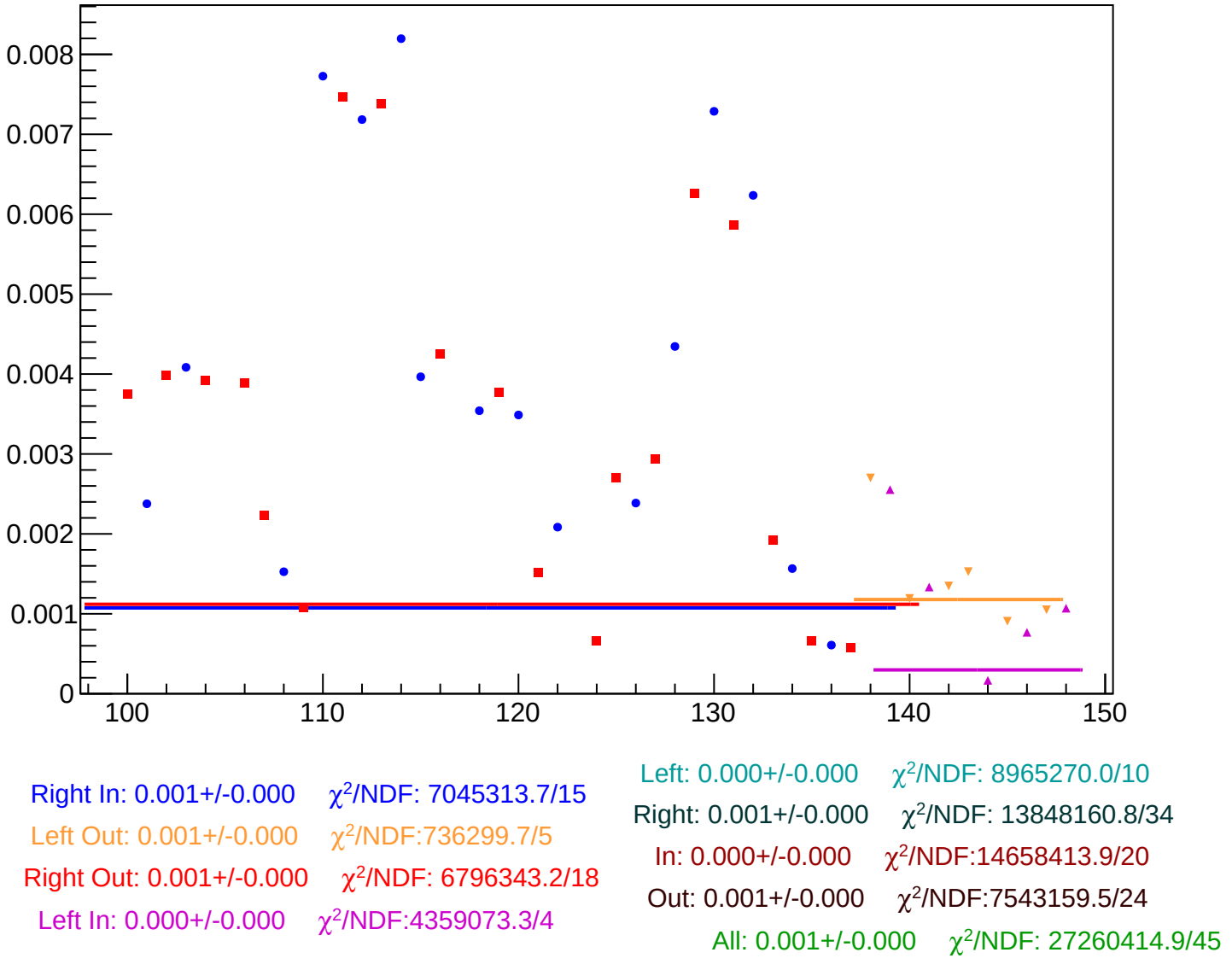
Left: 0.000+/-0.000 χ^2/NDF: 14.2/10

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

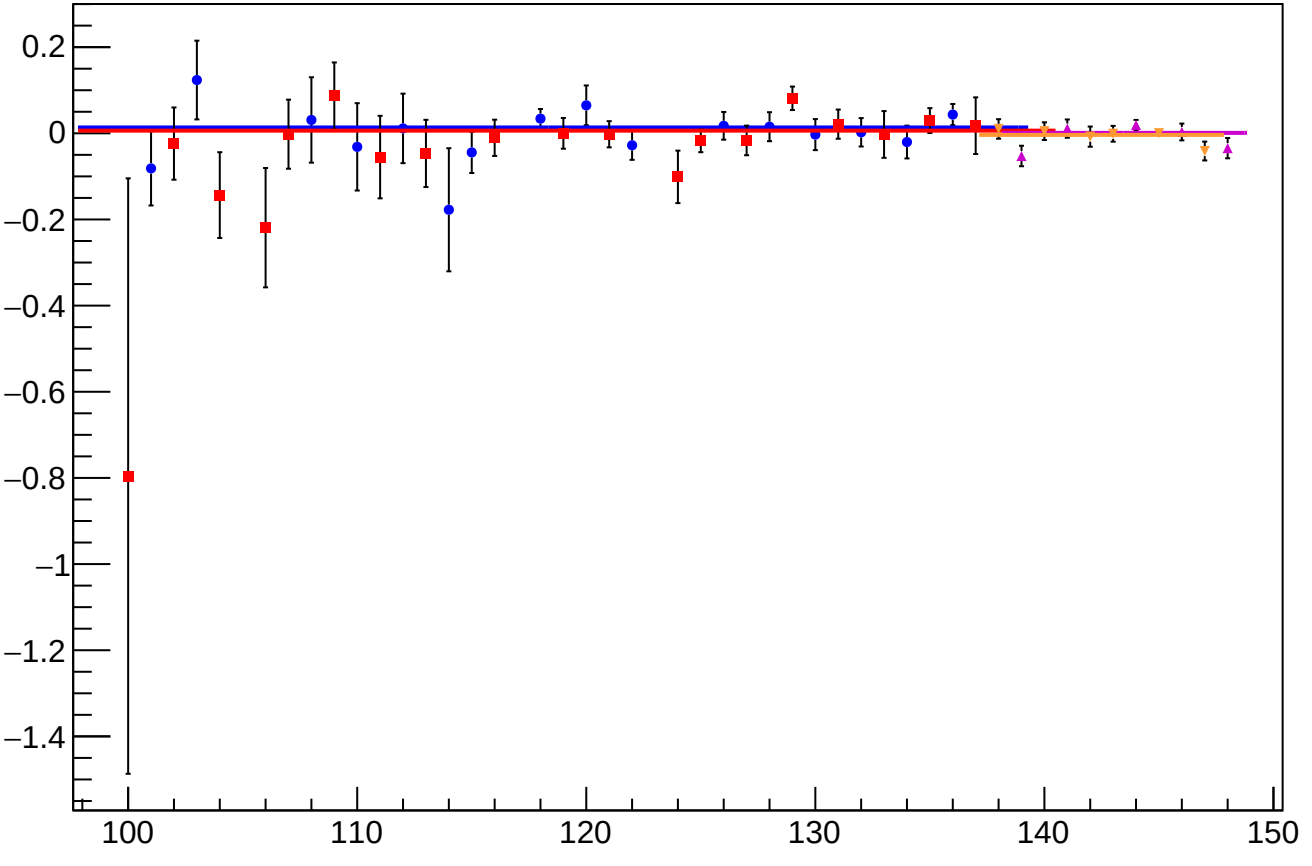
In: 0.000+/-0.000 χ^2/NDF:18.0/20

Out: -0.000+/-0.000 χ^2/NDF:28.5/24

All: 0.000+/-0.000 χ^2/NDF: 48.0/45


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:736299.7/5
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:4359073.3/4
Left: 0.000+/-0.000 χ²/NDF: 8965270.0/10
Right: 0.001+/-0.000 χ²/NDF: 13848160.8/34
In: 0.000+/-0.000 χ²/NDF:14658413.9/20
Out: 0.001+/-0.000 χ²/NDF:7543159.5/24
All: 0.001+/-0.000 χ²/NDF: 27260414.9/45

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.008 χ^2/NDF:10.0/4

Left: -0.002+/-0.005 χ^2/NDF: 13.8/10

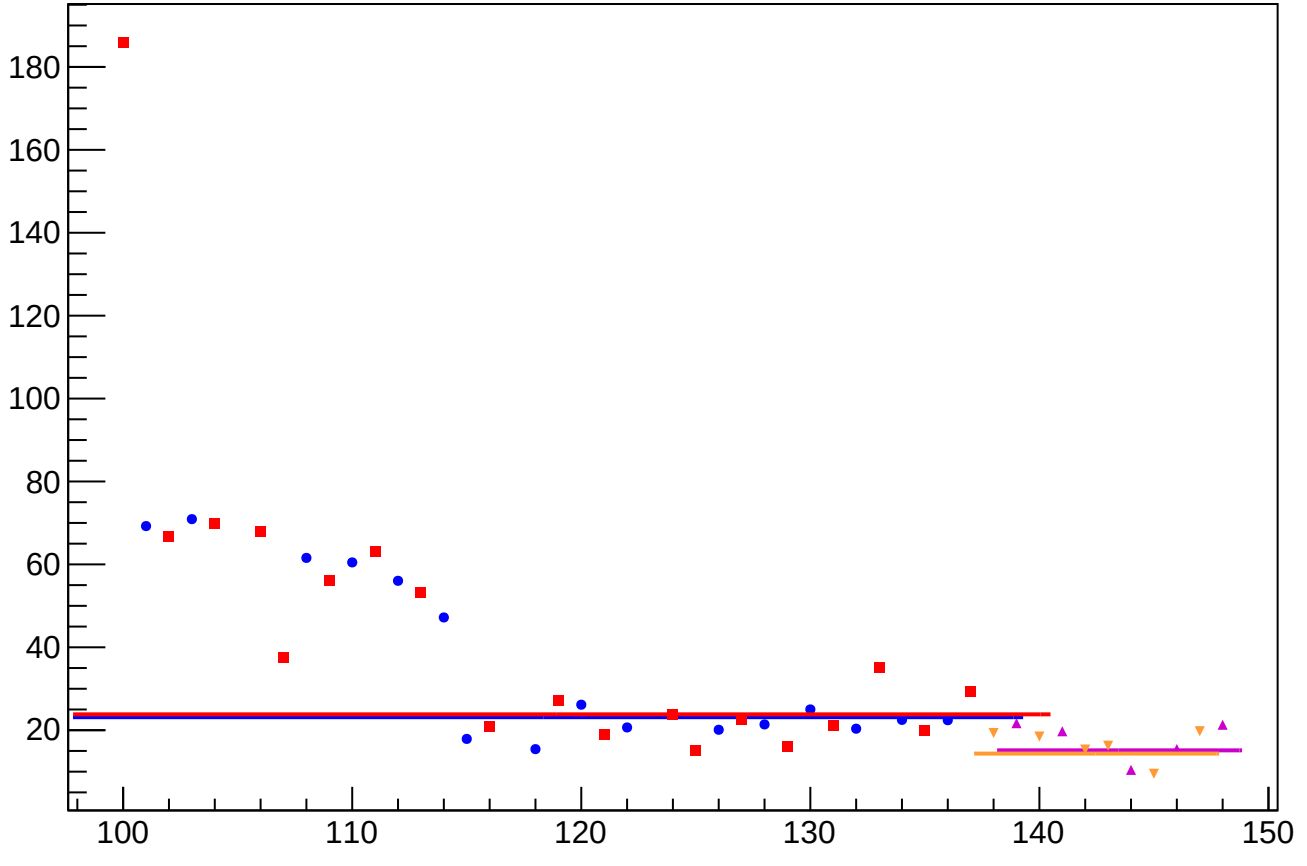
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.003+/-0.004 χ^2/NDF: 49.6/45

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: 14.360+/-0.005 χ^2/NDF:693465.1/5

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

Left: 14.711+/-0.004 χ^2/NDF: 1407177.0/10

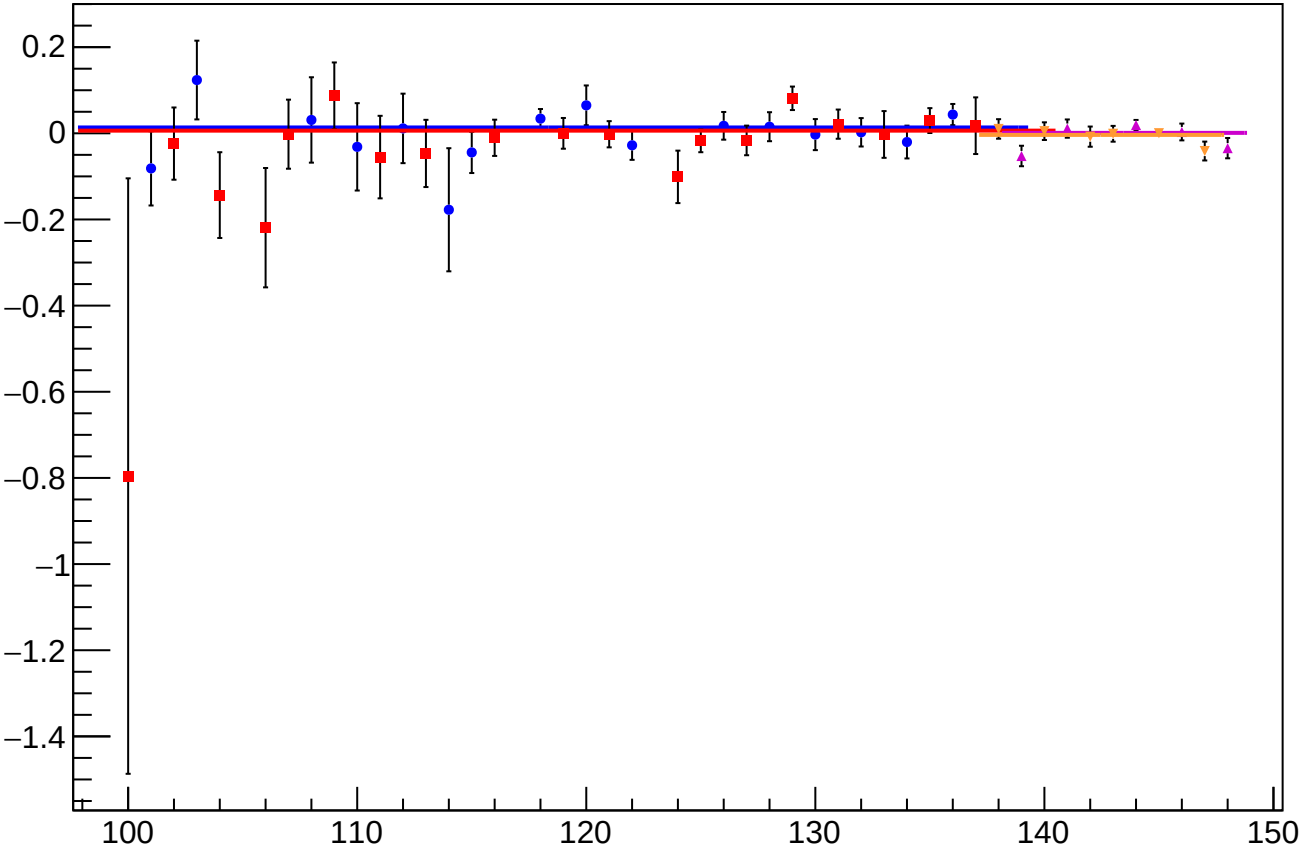
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.323+/-0.004 χ^2/NDF:3905700.4/20

Out: 17.591+/-0.004 χ^2/NDF:4756539.8/24

All: 17.937+/-0.003 χ^2/NDF: 8676909.2/45

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.008 χ^2/NDF:10.0/4

Left: -0.002+/-0.005 χ^2/NDF: 13.8/10

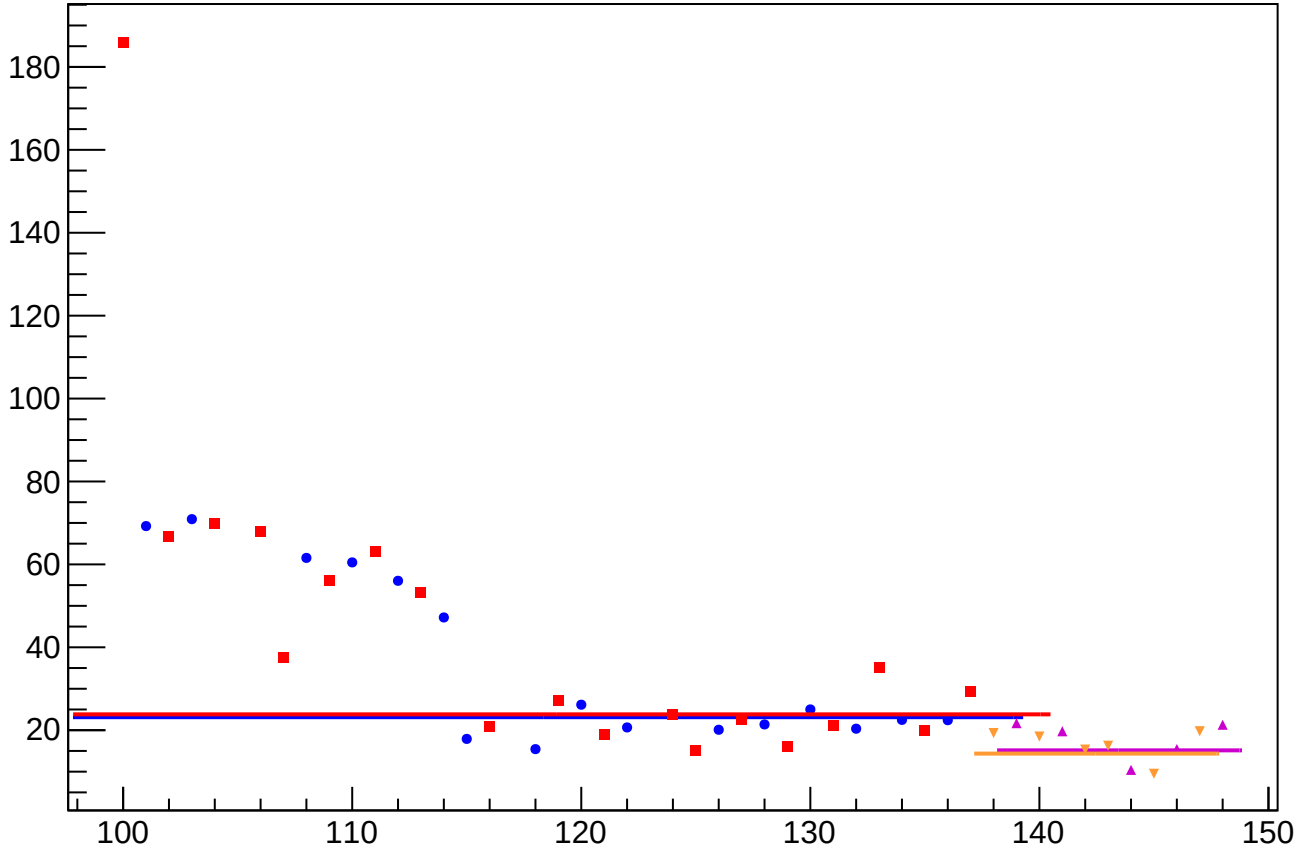
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.003+/-0.004 χ^2/NDF: 49.6/45

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: 14.360+/-0.005 χ^2/NDF:693465.1/5

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

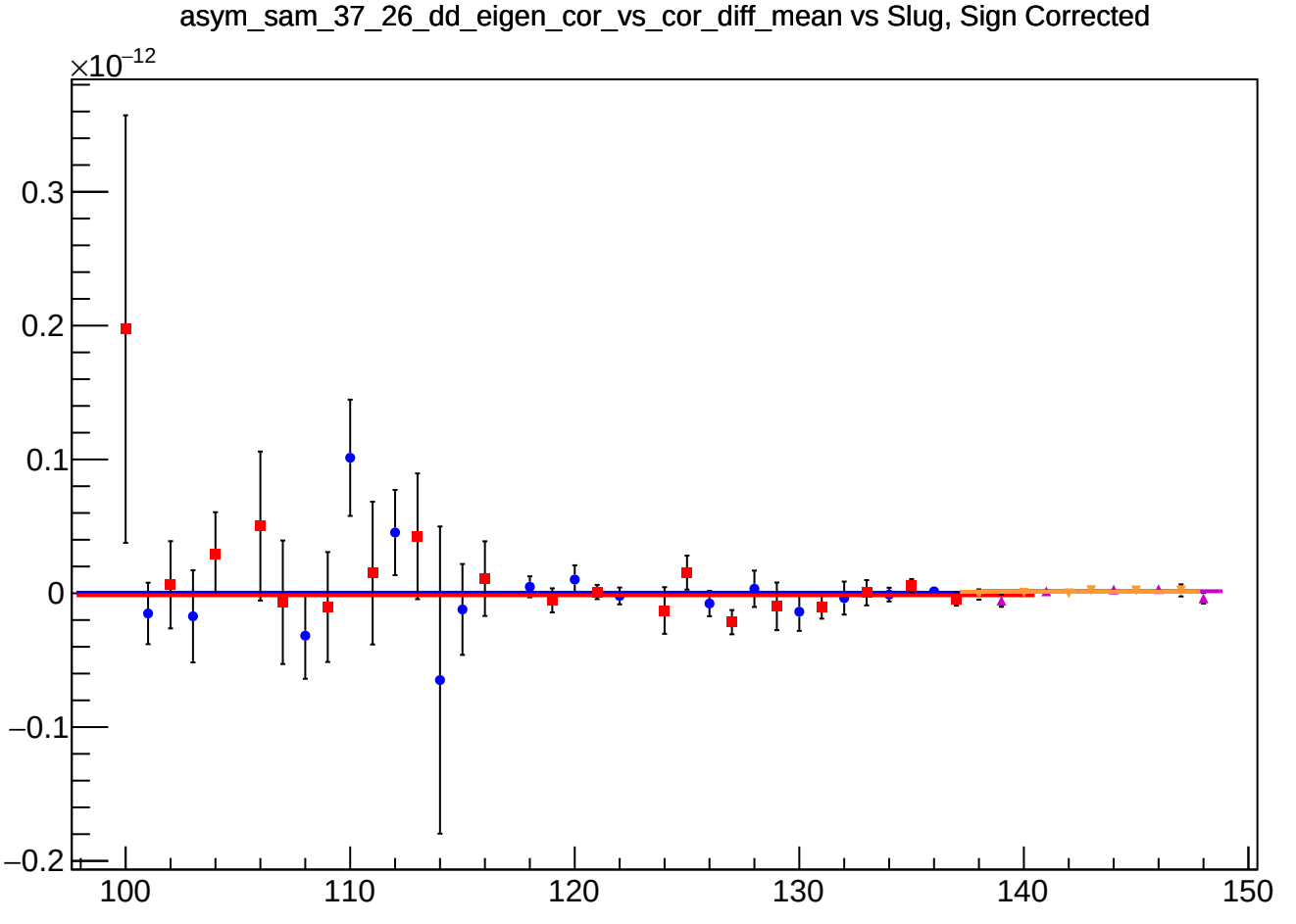
Left: 14.711+/-0.004 χ^2/NDF: 1407177.0/10

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.323+/-0.004 χ^2/NDF:3905700.4/20

Out: 17.591+/-0.004 χ^2/NDF:4756539.8/24

All: 17.937+/-0.003 χ^2/NDF: 8676909.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/4

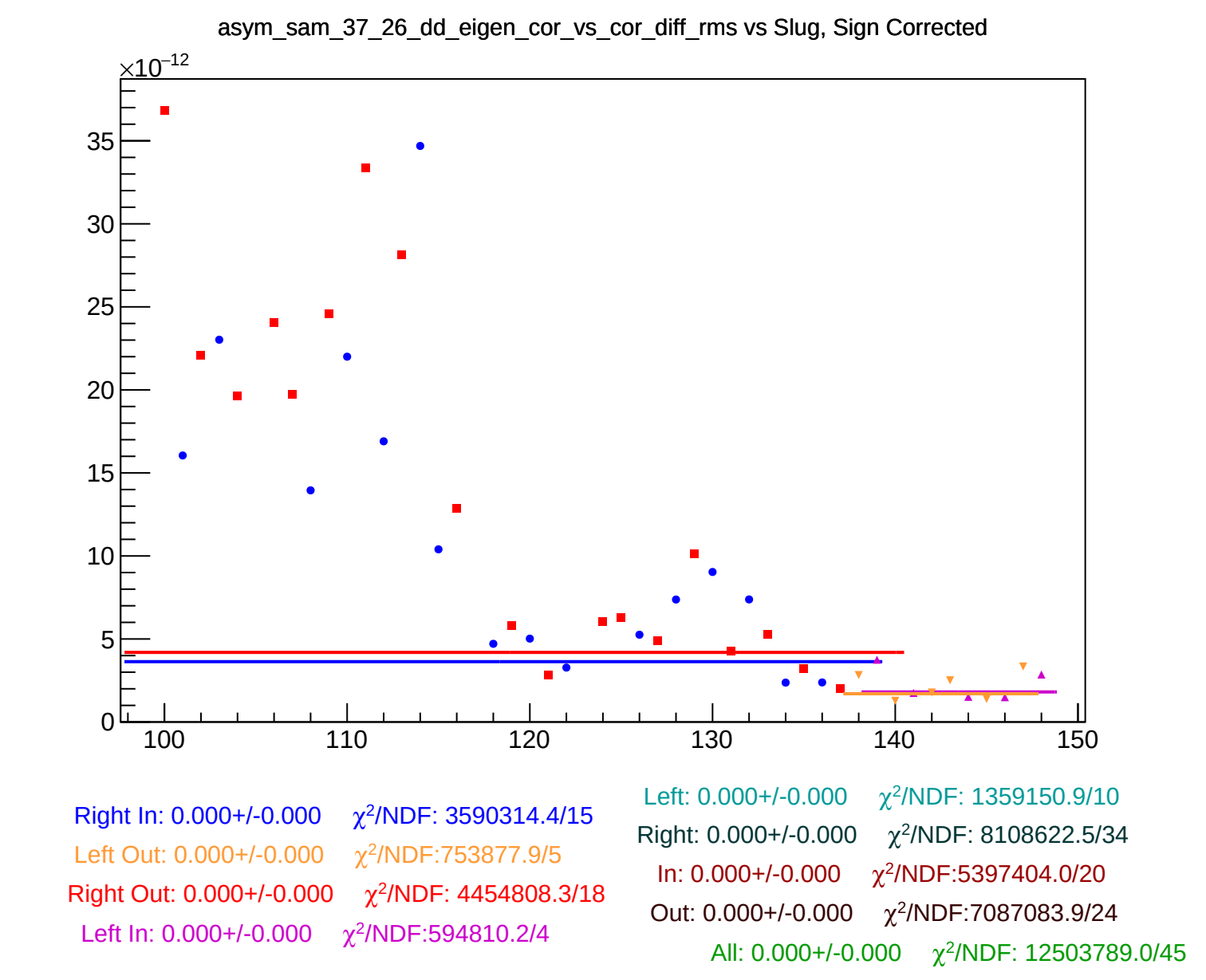
Left: 0.000+/-0.000 χ^2/NDF: 6.3/10

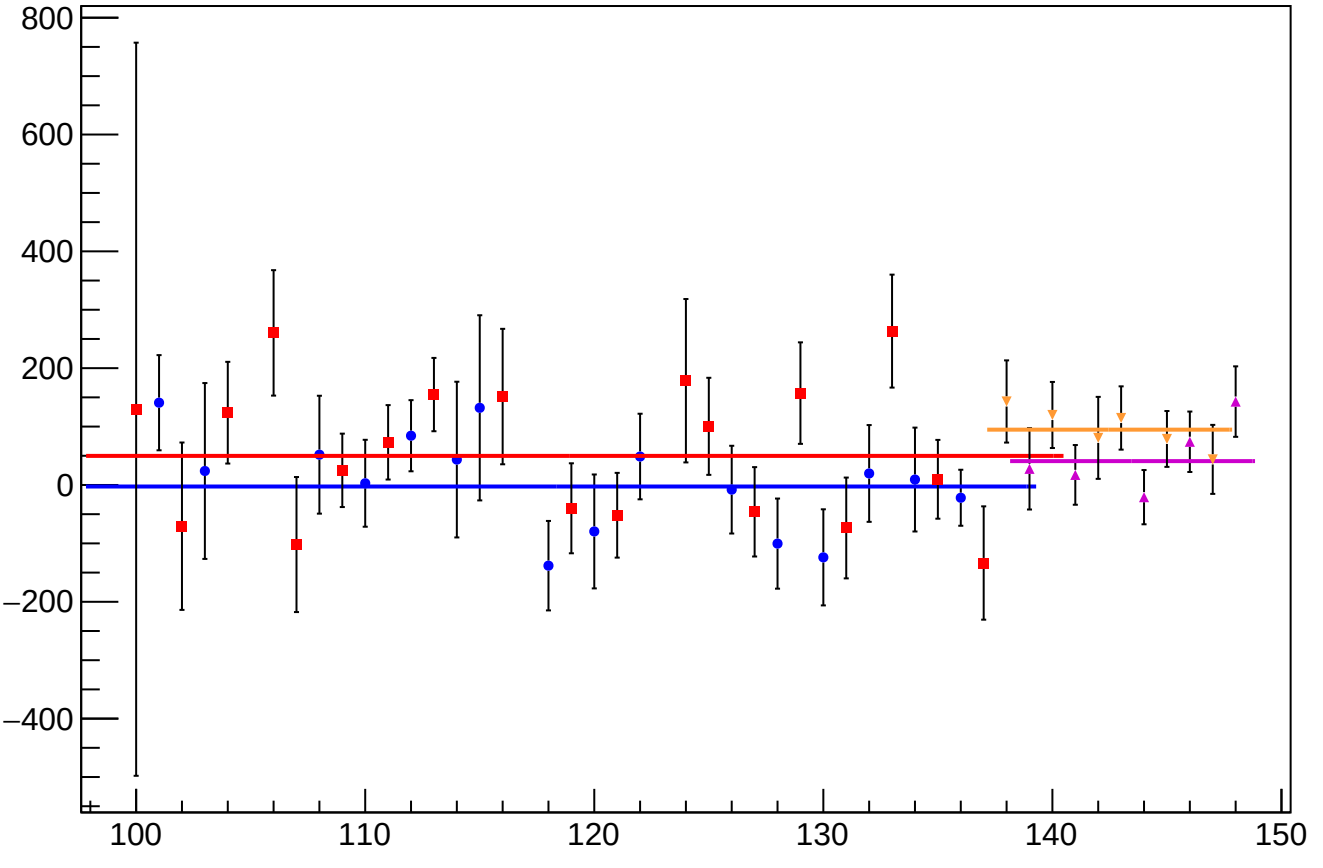
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:18.3/20

Out: 0.000+/-0.000 χ^2/NDF:17.7/24

All: 0.000+/-0.000 χ^2/NDF: 36.2/45


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:753877.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:594810.2/4
Left: 0.000+/-0.000 χ²/NDF: 1359150.9/10
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5397404.0/20
Out: 0.000+/-0.000 χ²/NDF:7087083.9/24
All: 0.000+/-0.000 χ²/NDF: 12503789.0/45



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 94.722+/-23.689 χ^2/NDF:1.7/5

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 40.860+/-24.247 χ^2/NDF:5.3/4

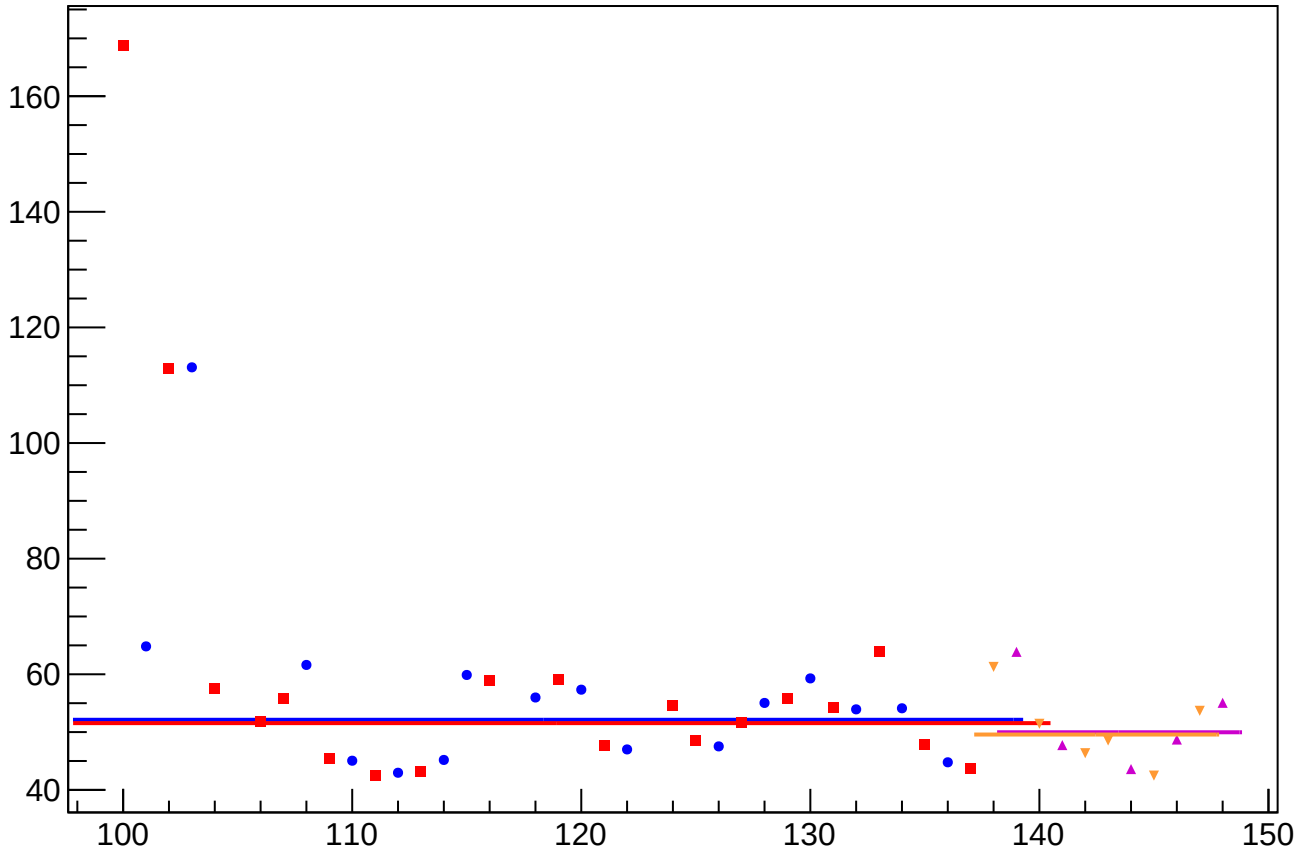
Left: 68.417+/-16.945 χ^2/NDF: 9.5/10

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 14.982+/-15.426 χ^2/NDF:21.8/20

Out: 68.084+/-15.111 χ^2/NDF:33.2/24

All: 42.081+/-10.795 χ^2/NDF: 61.0/45



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

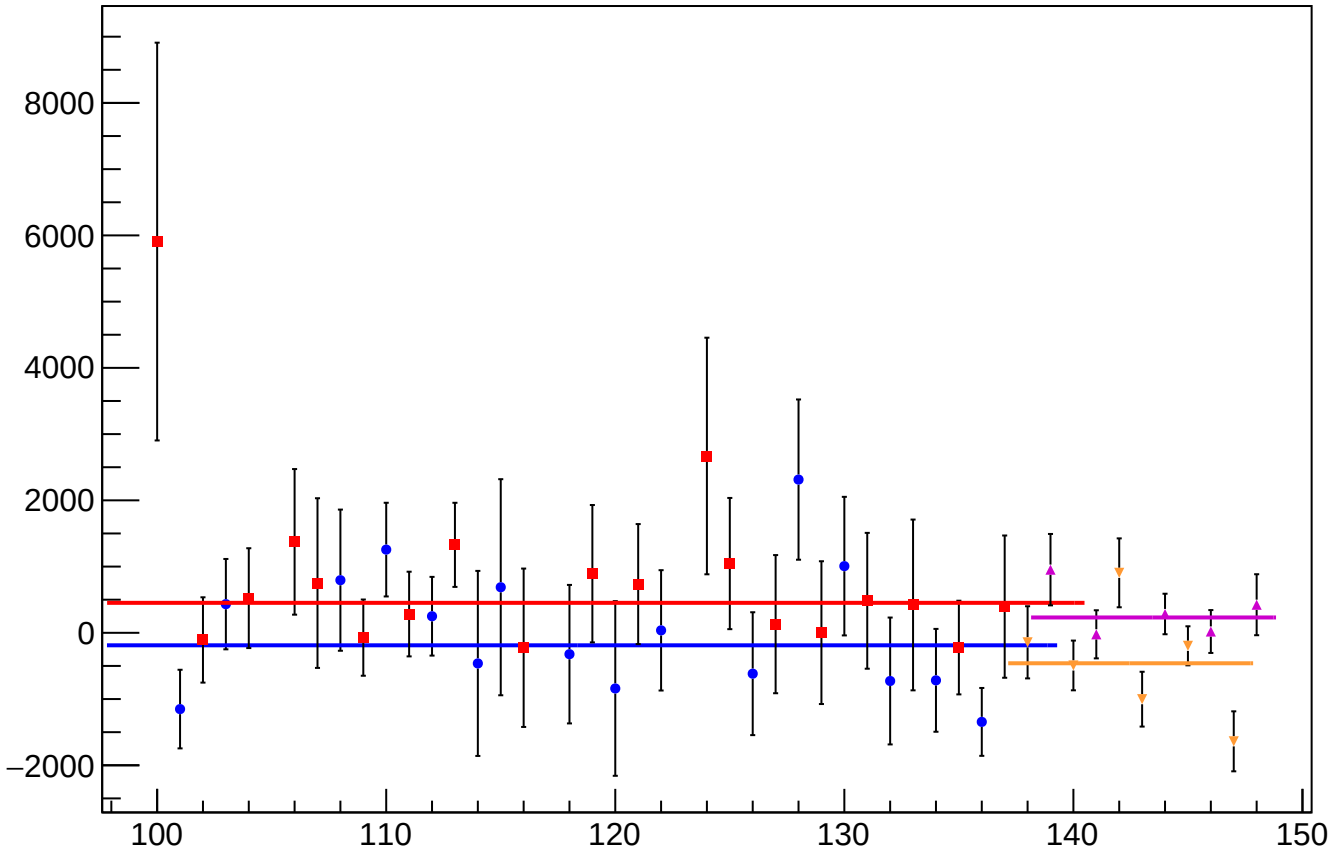
Left: 49.769+/-0.012 χ^2/NDF: 253004.3/10

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 51.254+/-0.011 χ^2/NDF:708929.5/20

Out: 50.748+/-0.011 χ^2/NDF:763957.7/24

All: 50.996+/-0.008 χ^2/NDF: 1473988.0/45



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -459.817+/-165.778 χ^2/NDF:16.5/5

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 231.678+/-166.709 χ^2/NDF:2.9/4

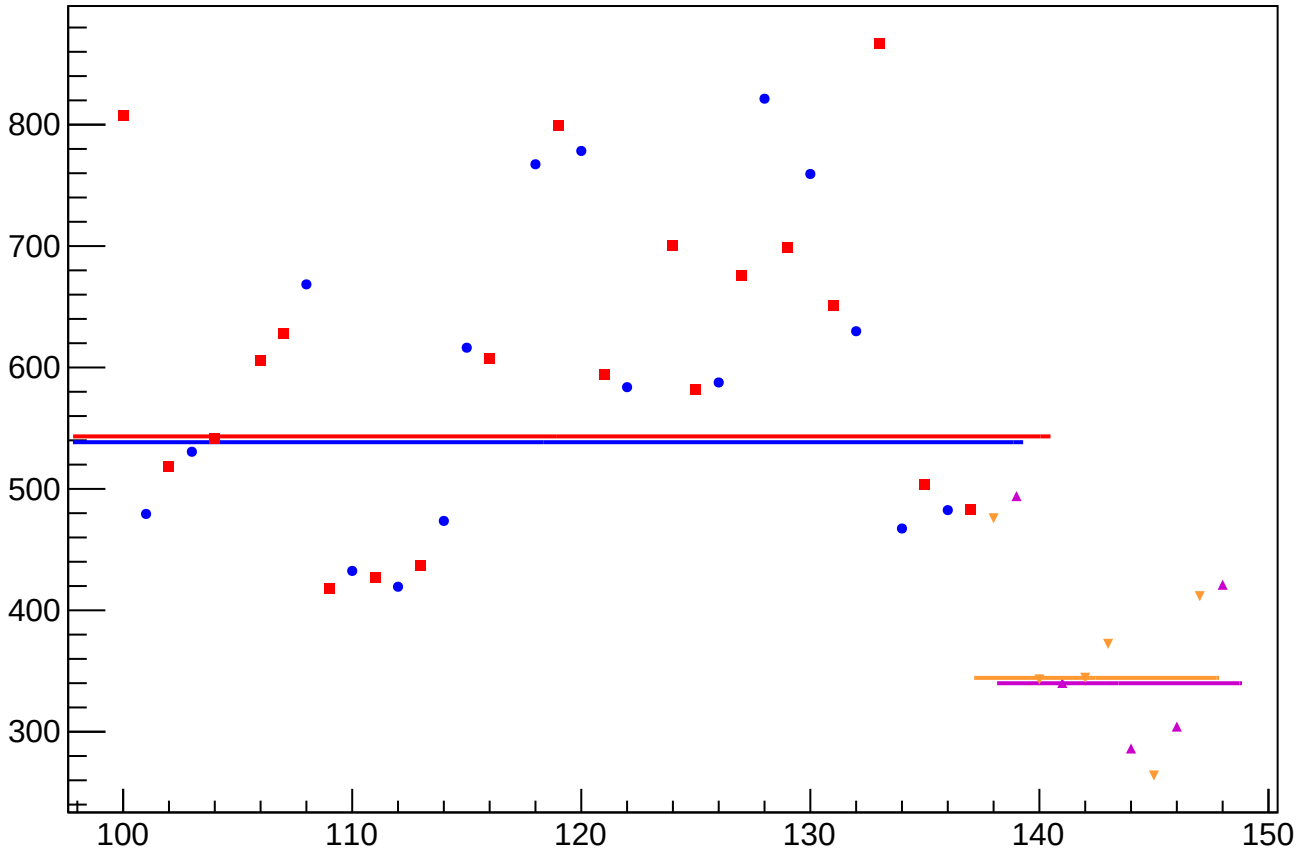
Left: -116.005+/-117.550 χ^2/NDF: 28.1/10

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 65.188+/-129.543 χ^2/NDF:26.8/20

Out: -96.771+/-128.633 χ^2/NDF:39.9/24

All: -16.362+/-91.277 χ^2/NDF: 67.5/45



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 344.370+/-0.117 χ^2/NDF:318664.6/5

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 339.945+/-0.118 χ^2/NDF:311633.4/4

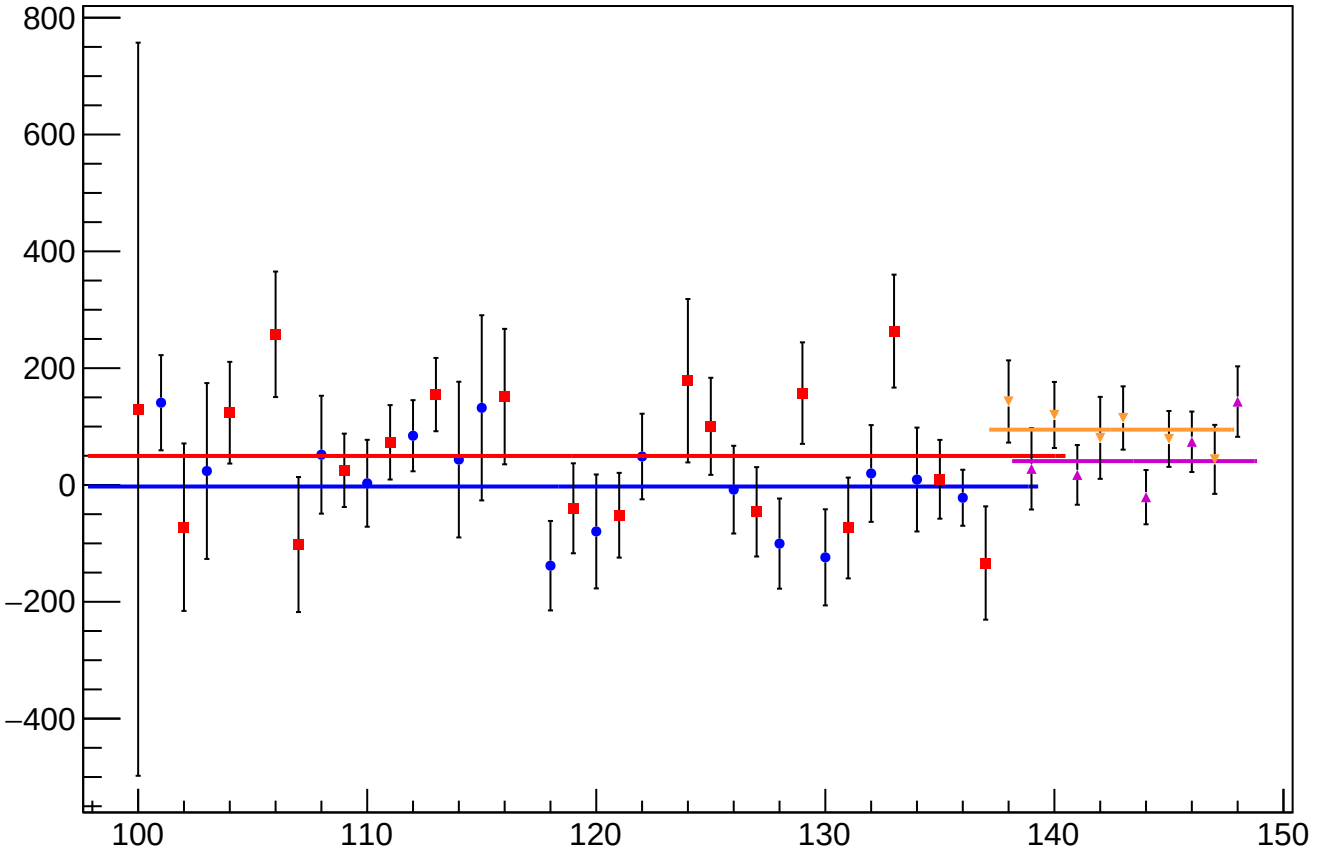
Left: 342.170+/-0.083 χ^2/NDF: 631006.4/10

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.595+/-0.092 χ^2/NDF:2049254.9/20

Out: 423.505+/-0.091 χ^2/NDF:2101079.9/24

All: 421.068+/-0.065 χ^2/NDF: 4151781.6/45



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 94.729+/-23.689 χ^2/NDF:1.7/5

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 40.861+/-24.247 χ^2/NDF:5.3/4

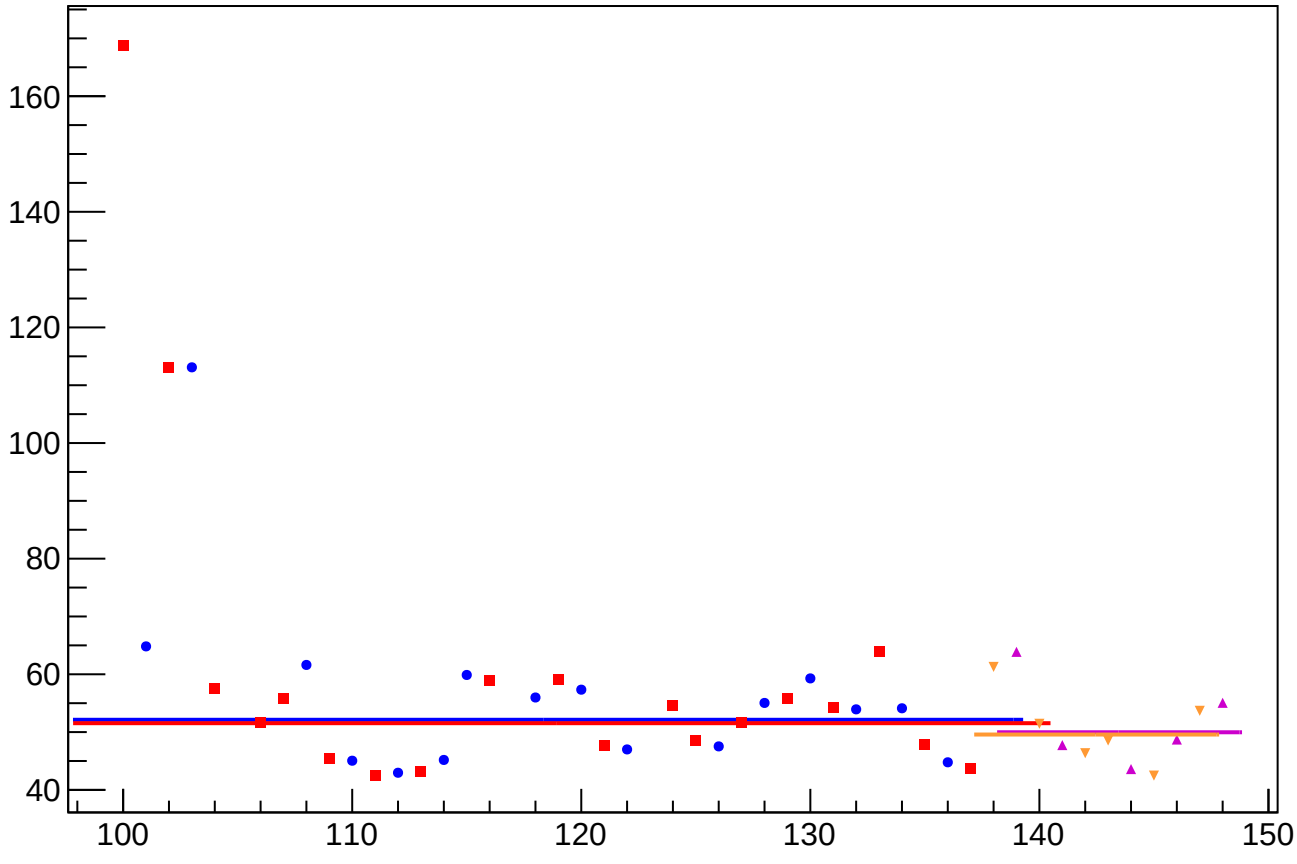
Left: 68.422+/-16.945 χ^2/NDF: 9.5/10

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 14.980+/-15.426 χ^2/NDF:21.8/20

Out: 68.019+/-15.111 χ^2/NDF:33.1/24

All: 42.046+/-10.795 χ^2/NDF: 60.9/45



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

Left: 49.769+/-0.012 χ^2/NDF: 253004.3/10

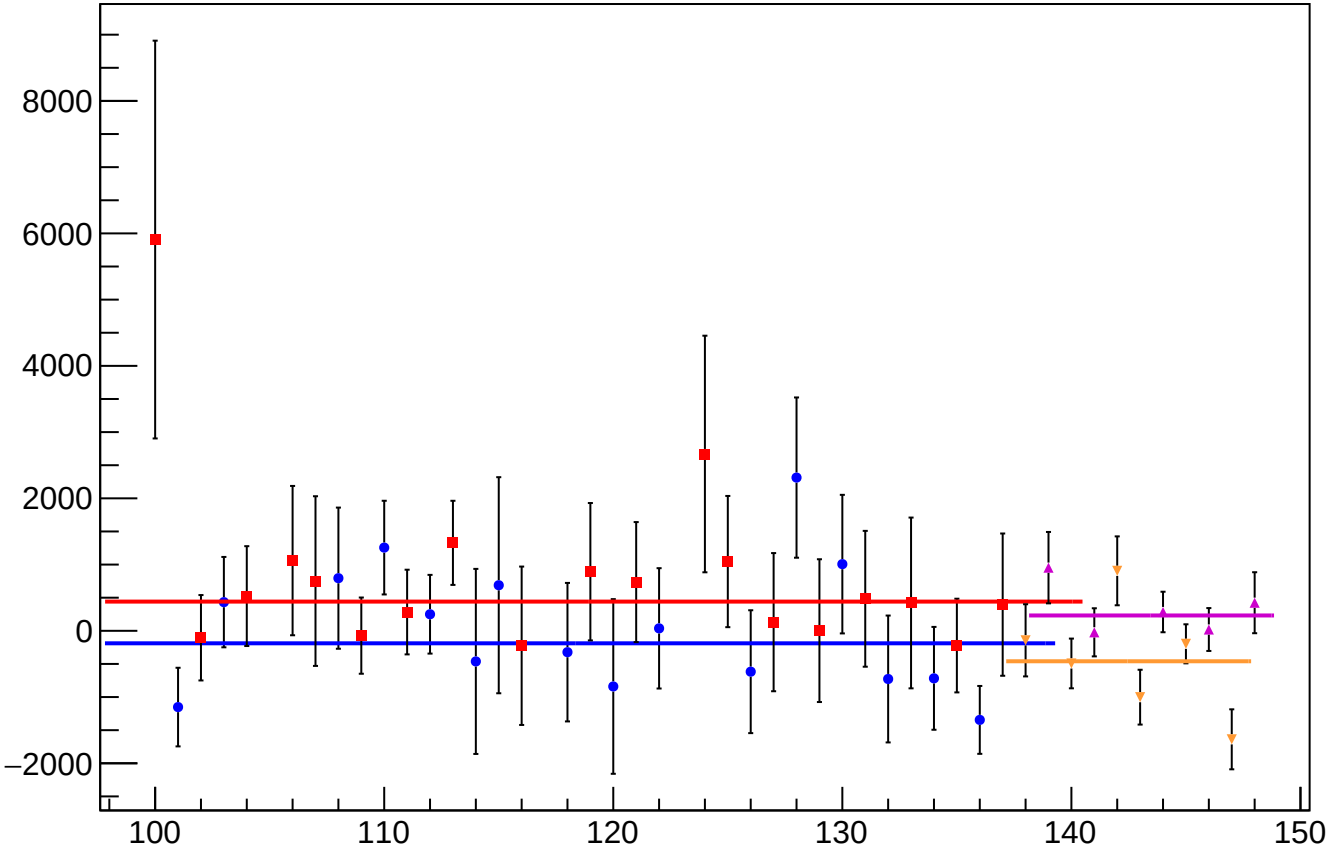
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 51.254+/-0.011 χ^2/NDF:708931.8/20

Out: 50.741+/-0.011 χ^2/NDF:764091.6/24

All: 50.993+/-0.008 χ^2/NDF: 1474151.1/45

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: -459.809+/-165.778 χ^2/NDF:16.5/5

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 231.681+/-166.709 χ^2/NDF:2.9/4

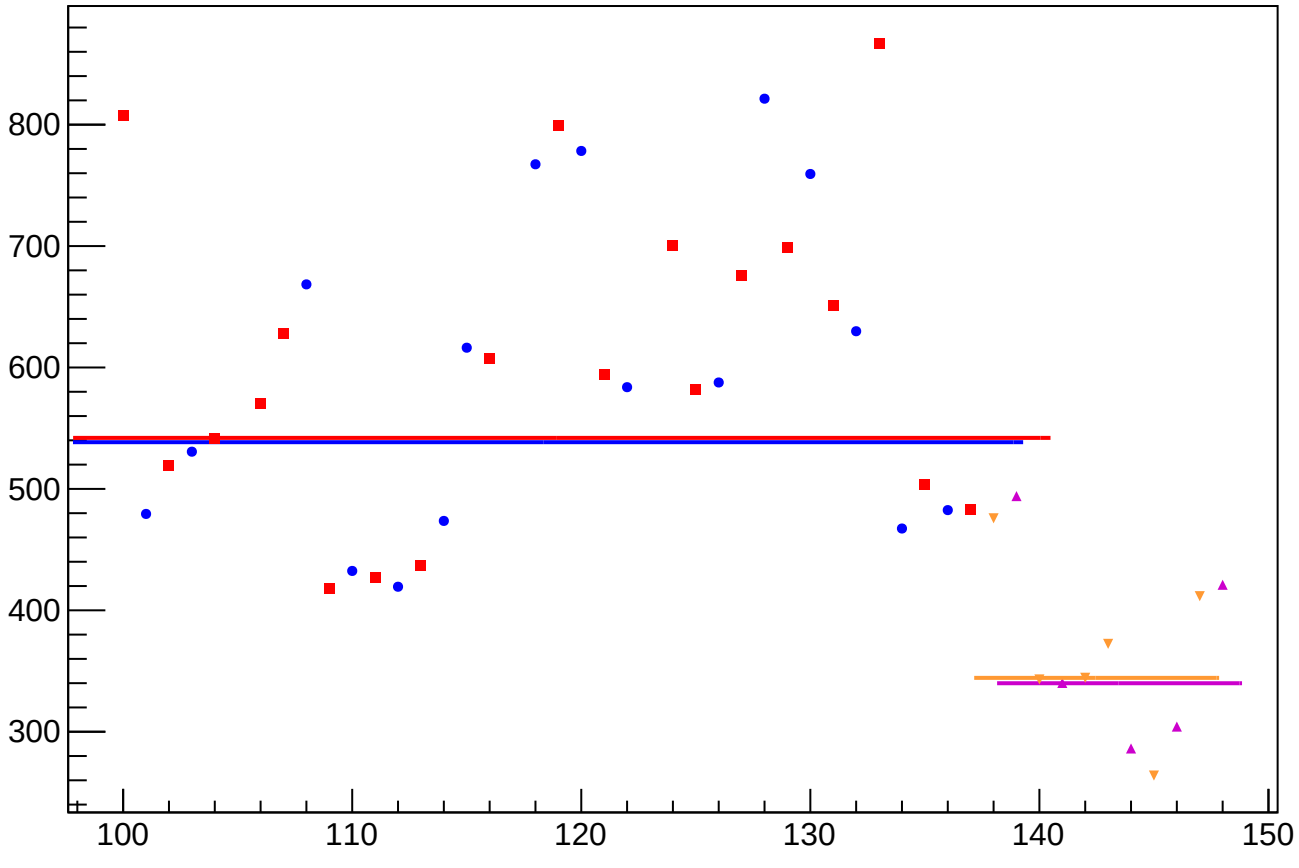
Left: -116.000+/-117.550 χ^2/NDF: 28.1/10

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 65.201+/-129.543 χ^2/NDF:26.8/20

Out: -101.699+/-128.682 χ^2/NDF:39.1/24

All: -18.806+/-91.295 χ^2/NDF: 66.8/45



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 344.370+/-0.117 χ^2/NDF:318665.5/5

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

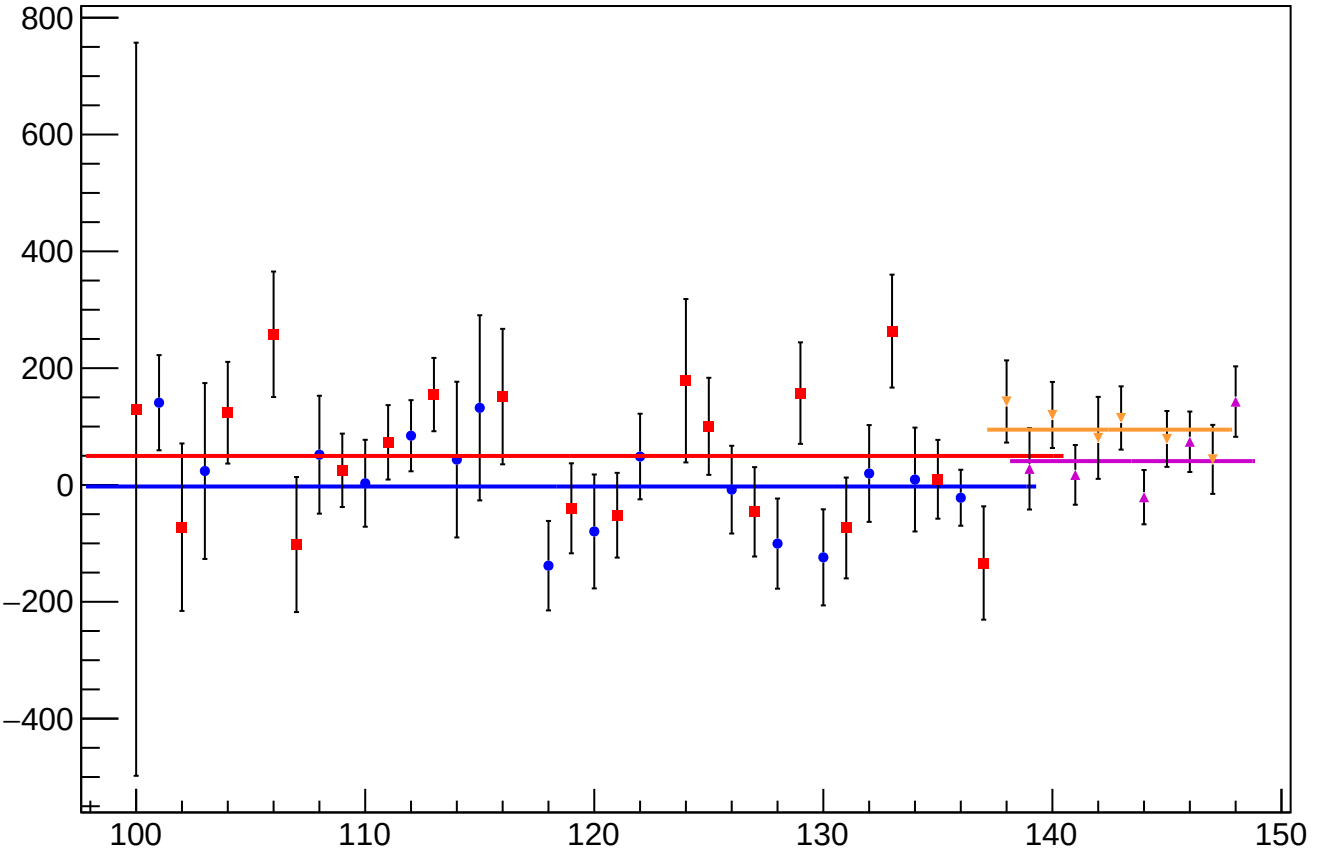
Left: 342.170+/-0.083 χ^2/NDF: 631006.4/10

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.596+/-0.092 χ^2/NDF:2049297.0/20

Out: 422.931+/-0.091 χ^2/NDF:2080272.8/24

All: 420.778+/-0.065 χ^2/NDF: 4130697.1/45



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 94.729+/-23.689 χ^2/NDF:1.7/5

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 40.861+/-24.247 χ^2/NDF:5.3/4

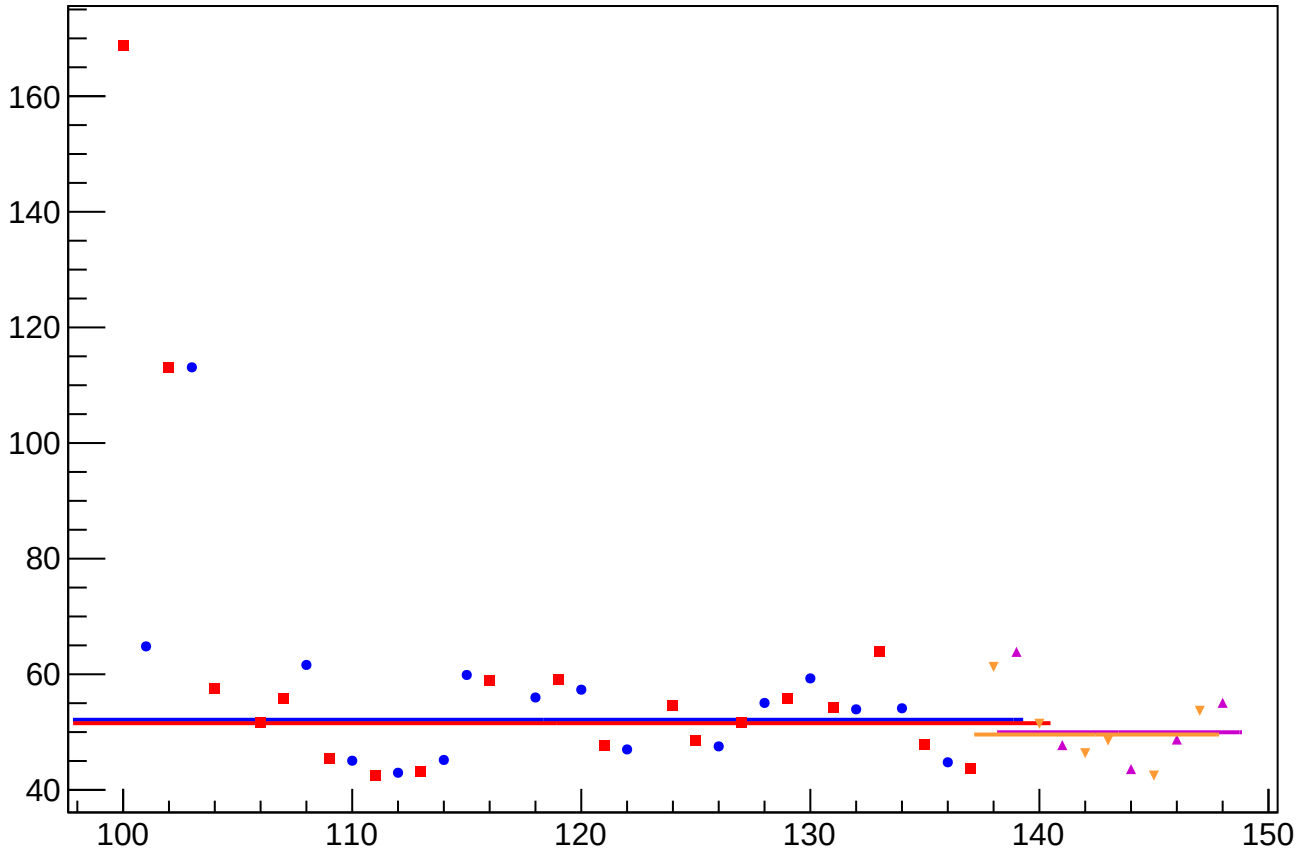
Left: 68.422+/-16.945 χ^2/NDF: 9.5/10

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 14.980+/-15.426 χ^2/NDF:21.8/20

Out: 68.019+/-15.111 χ^2/NDF:33.1/24

All: 42.046+/-10.795 χ^2/NDF: 60.9/45



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

Left: 49.769+/-0.012 χ^2/NDF: 253004.3/10

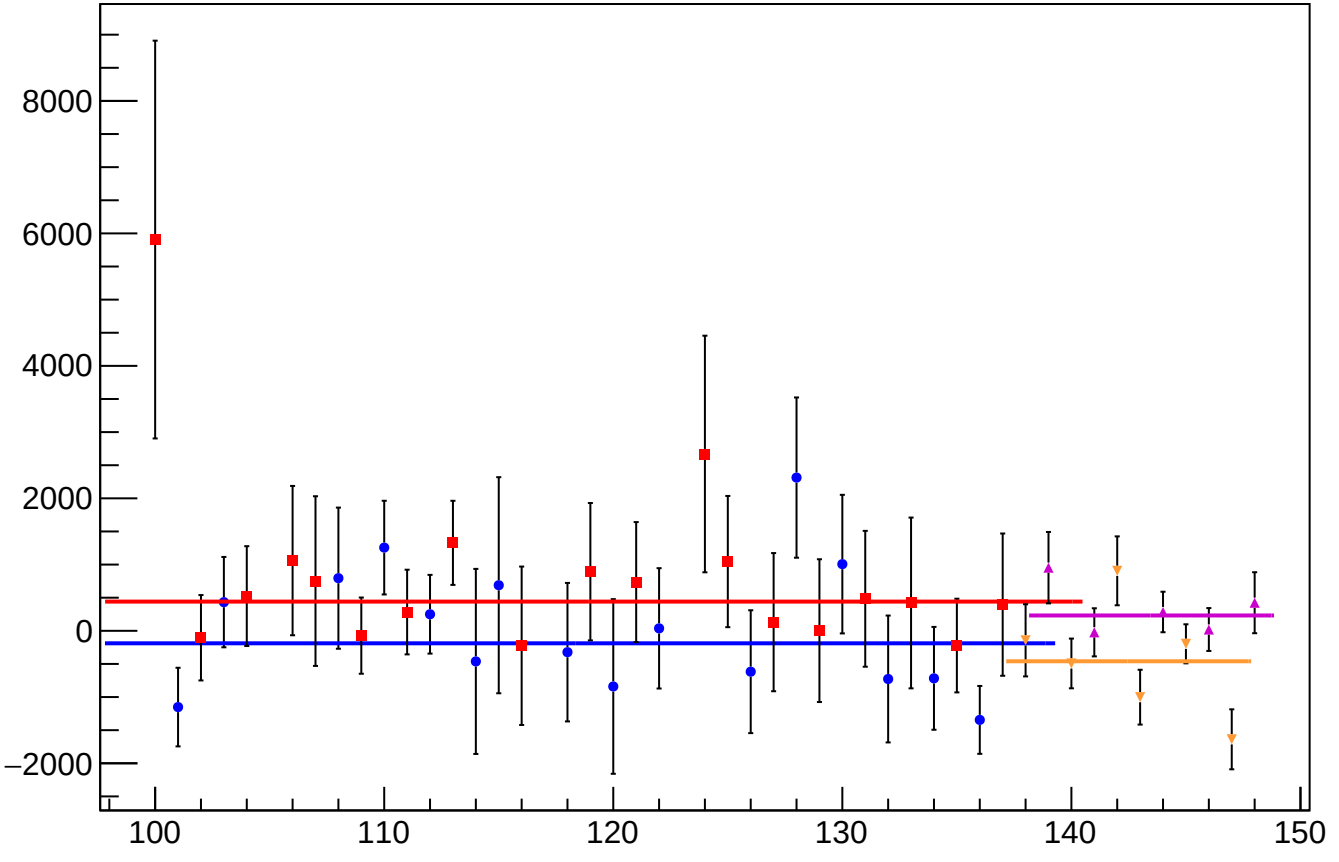
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 51.254+/-0.011 χ^2/NDF:708931.8/20

Out: 50.741+/-0.011 χ^2/NDF:764091.6/24

All: 50.993+/-0.008 χ^2/NDF: 1474151.1/45

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: -459.809+/-165.778 χ^2/NDF:16.5/5

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 231.681+/-166.709 χ^2/NDF:2.9/4

Left: -116.000+/-117.550 χ^2/NDF: 28.1/10

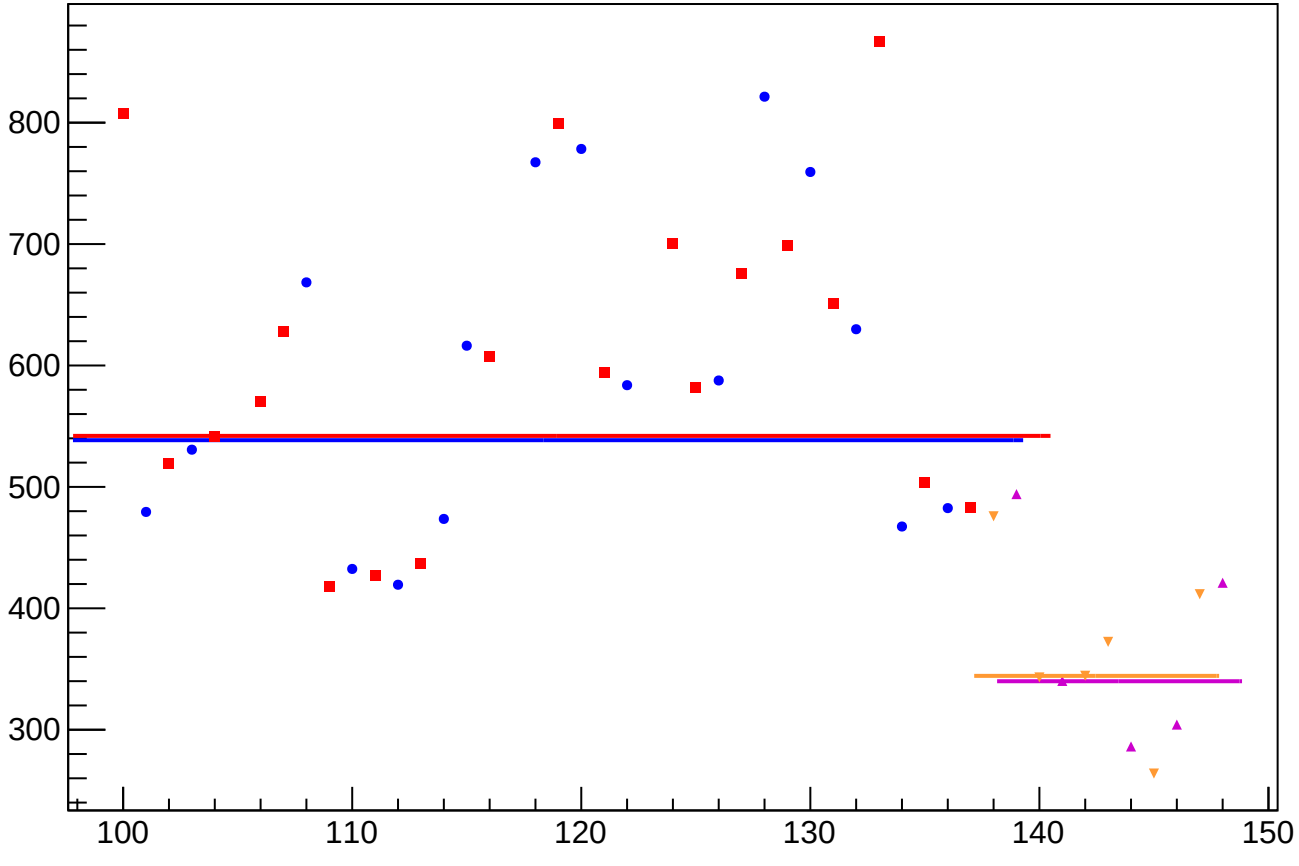
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 65.201+/-129.543 χ^2/NDF:26.8/20

Out: -101.699+/-128.682 χ^2/NDF:39.1/24

All: -18.806+/-91.295 χ^2/NDF: 66.8/45

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: 344.370+/-0.117 χ^2/NDF:318665.5/5

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

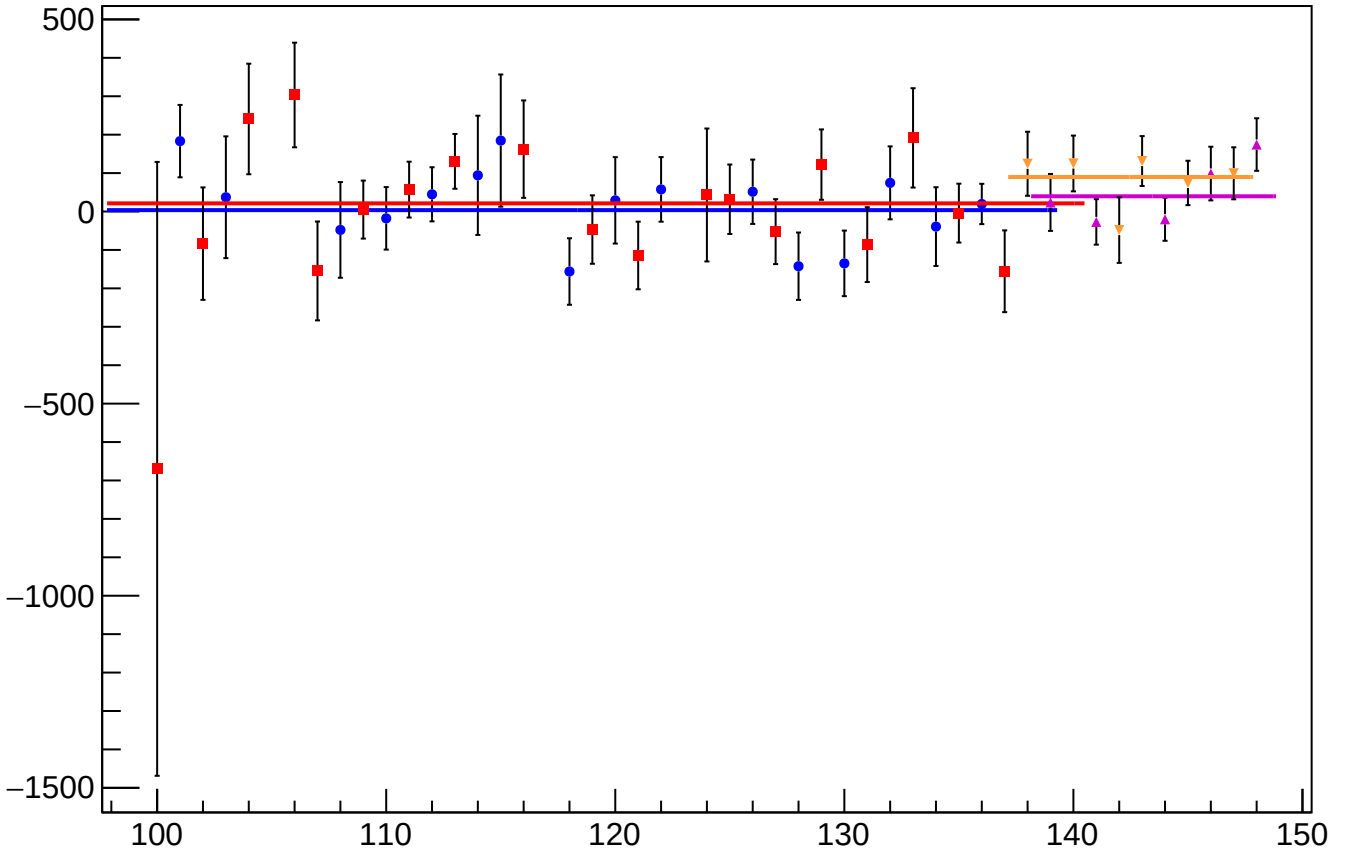
Left: 342.170+/-0.083 χ^2/NDF: 631006.4/10

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.596+/-0.092 χ^2/NDF:2049297.0/20

Out: 422.931+/-0.091 χ^2/NDF:2080272.8/24

All: 420.778+/-0.065 χ^2/NDF: 4130697.1/45



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 89.884+/-28.566 χ^2/NDF:3.5/5

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.645+/-28.819 χ^2/NDF:7.0/4

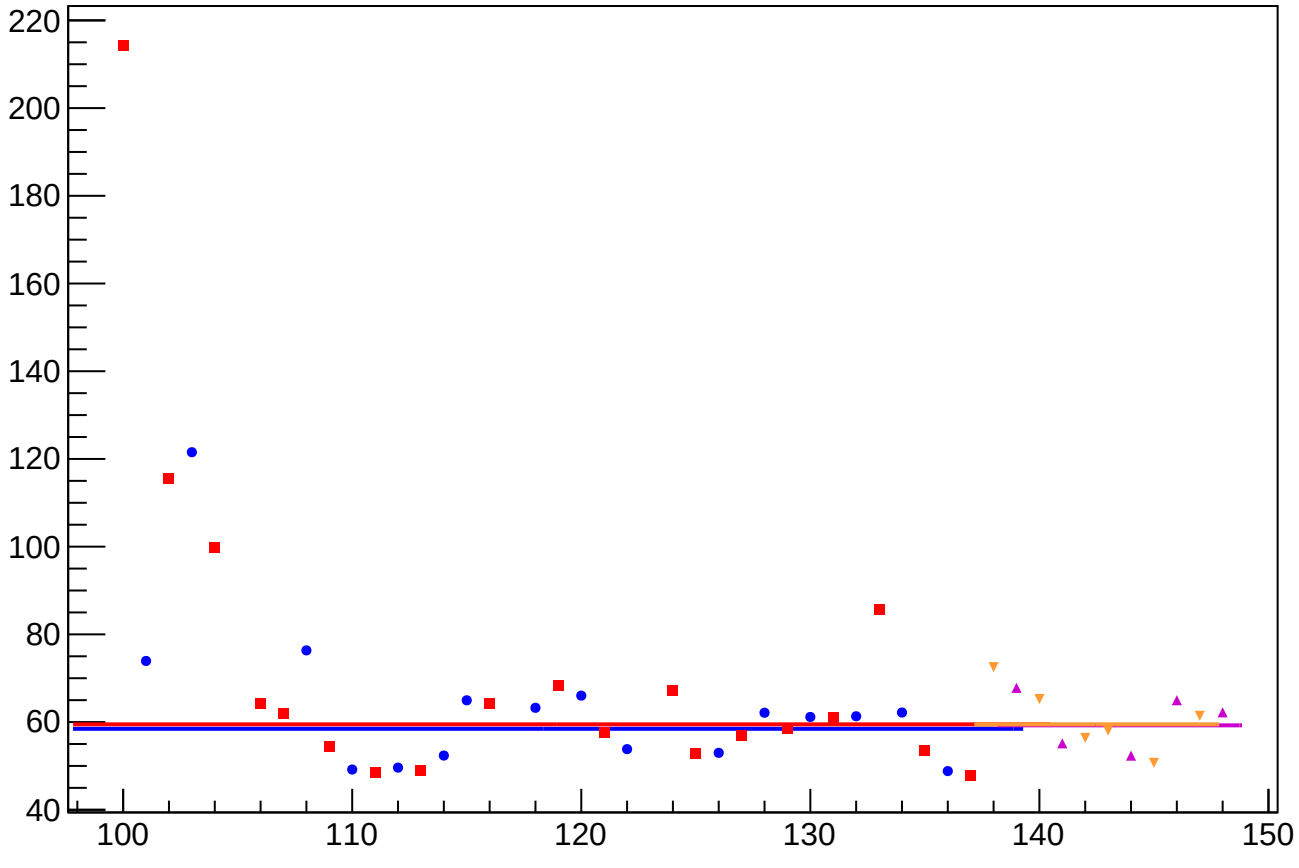
Left: 64.987+/-20.288 χ^2/NDF: 12.1/10

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 17.234+/-17.725 χ^2/NDF:24.2/20

Out: 47.916+/-17.805 χ^2/NDF:31.5/24

All: 32.506+/-12.562 χ^2/NDF: 57.1/45



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 59.483+/-0.020 χ^2/NDF:112995.9/5

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 59.256+/-0.020 χ^2/NDF:83755.7/4

Left: 59.370+/-0.014 χ^2/NDF: 196814.5/10

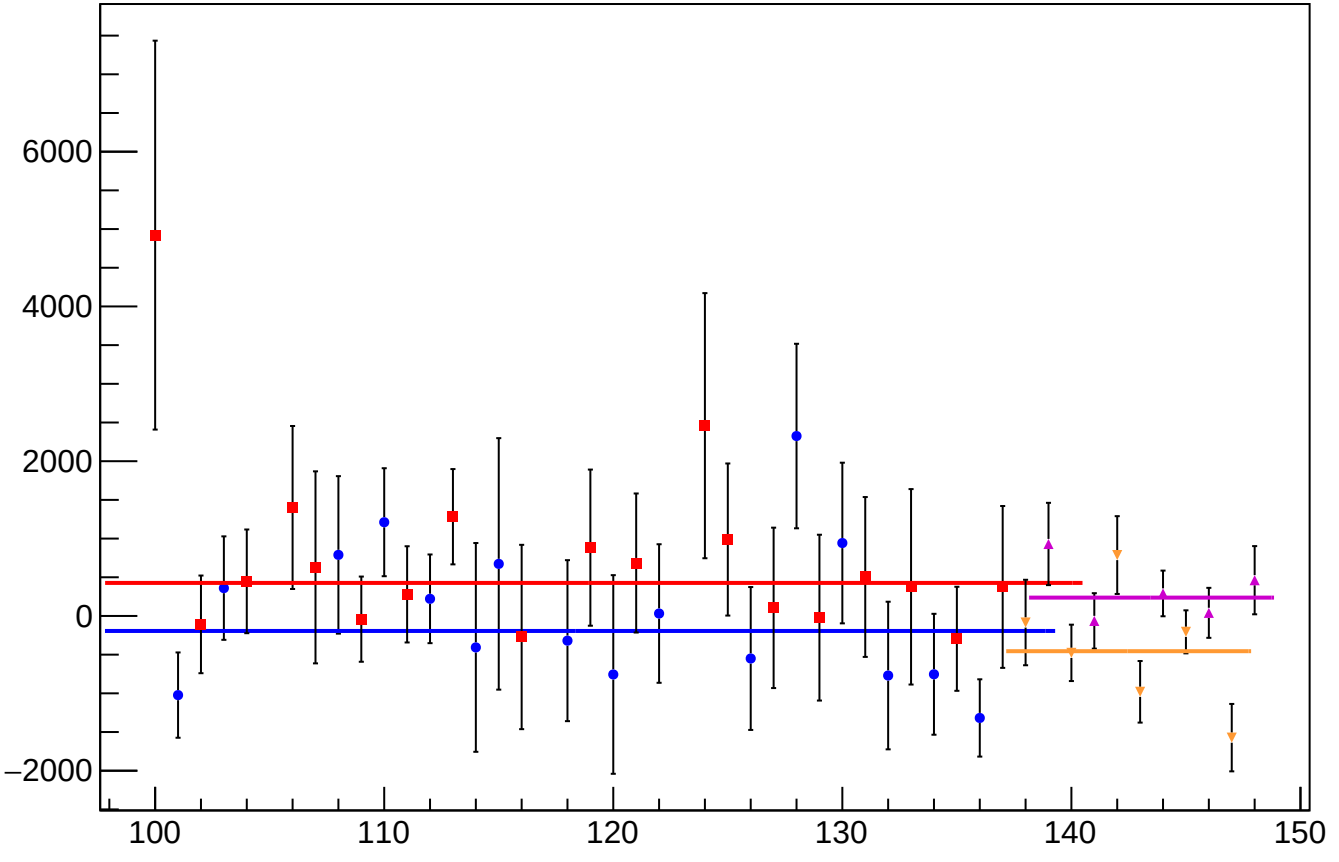
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.764+/-0.013 χ^2/NDF:667675.0/20

Out: 59.484+/-0.013 χ^2/NDF:897876.0/24

All: 59.122+/-0.009 χ^2/NDF: 1567190.8/45

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: -455.325+/-159.535 χ^2/NDF:15.7/5

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 237.032+/-163.190 χ^2/NDF:3.1/4

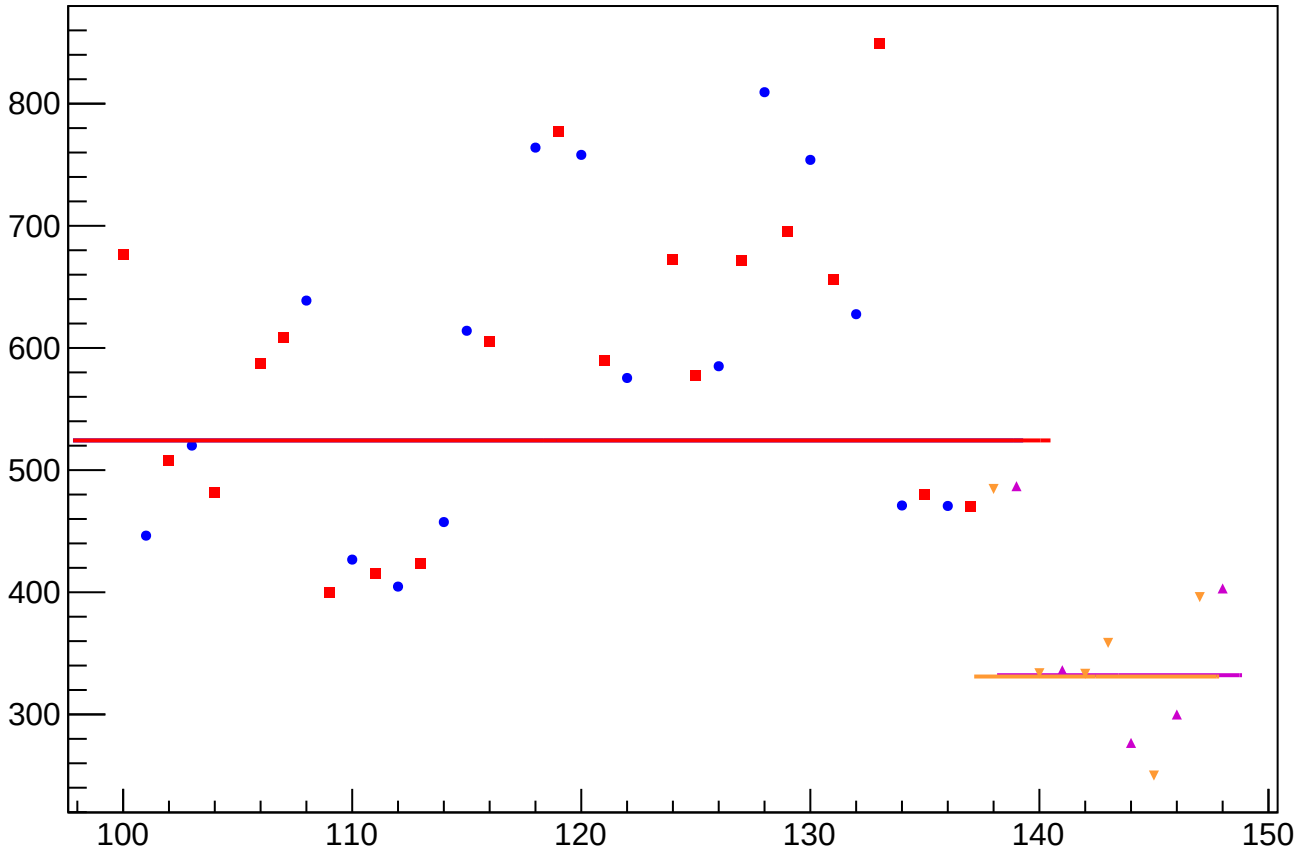
Left: -116.987+/-114.078 χ^2/NDF: 28.0/10

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 65.421+/-126.592 χ^2/NDF:26.6/20

Out: -105.886+/-123.981 χ^2/NDF:39.1/24

All: -22.018+/-88.576 χ^2/NDF: 66.7/45



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 331.024+/-0.113 χ^2/NDF:378868.0/5

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 332.110+/-0.115 χ^2/NDF:311996.0/4

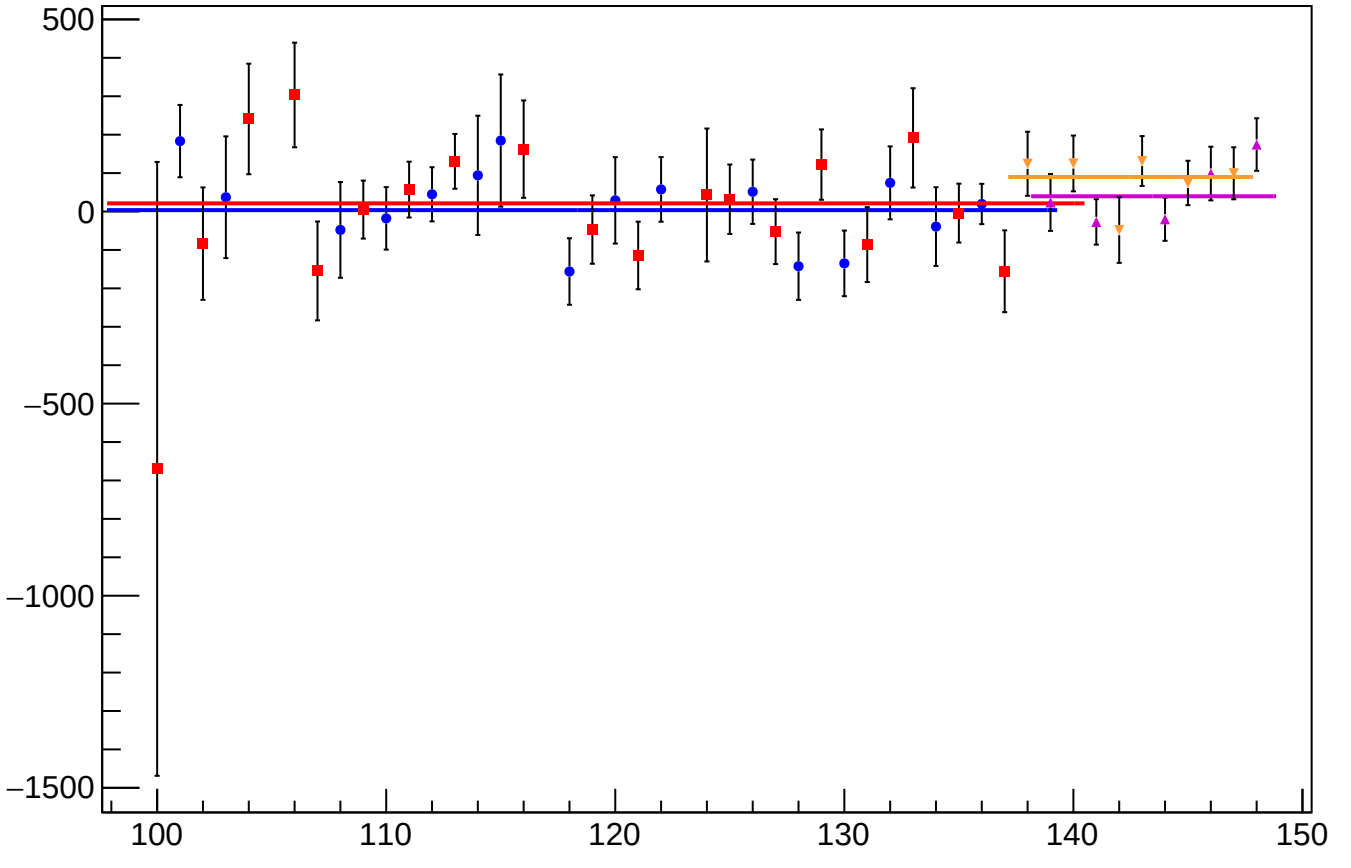
Left: 331.554+/-0.081 χ^2/NDF: 690909.4/10

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 408.657+/-0.090 χ^2/NDF:2075486.1/20

Out: 407.574+/-0.088 χ^2/NDF:2227609.4/24

All: 408.104+/-0.063 χ^2/NDF: 4303170.2/45



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 89.883+/-28.566 χ^2/NDF:3.5/5

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 39.646+/-28.820 χ^2/NDF:7.0/4

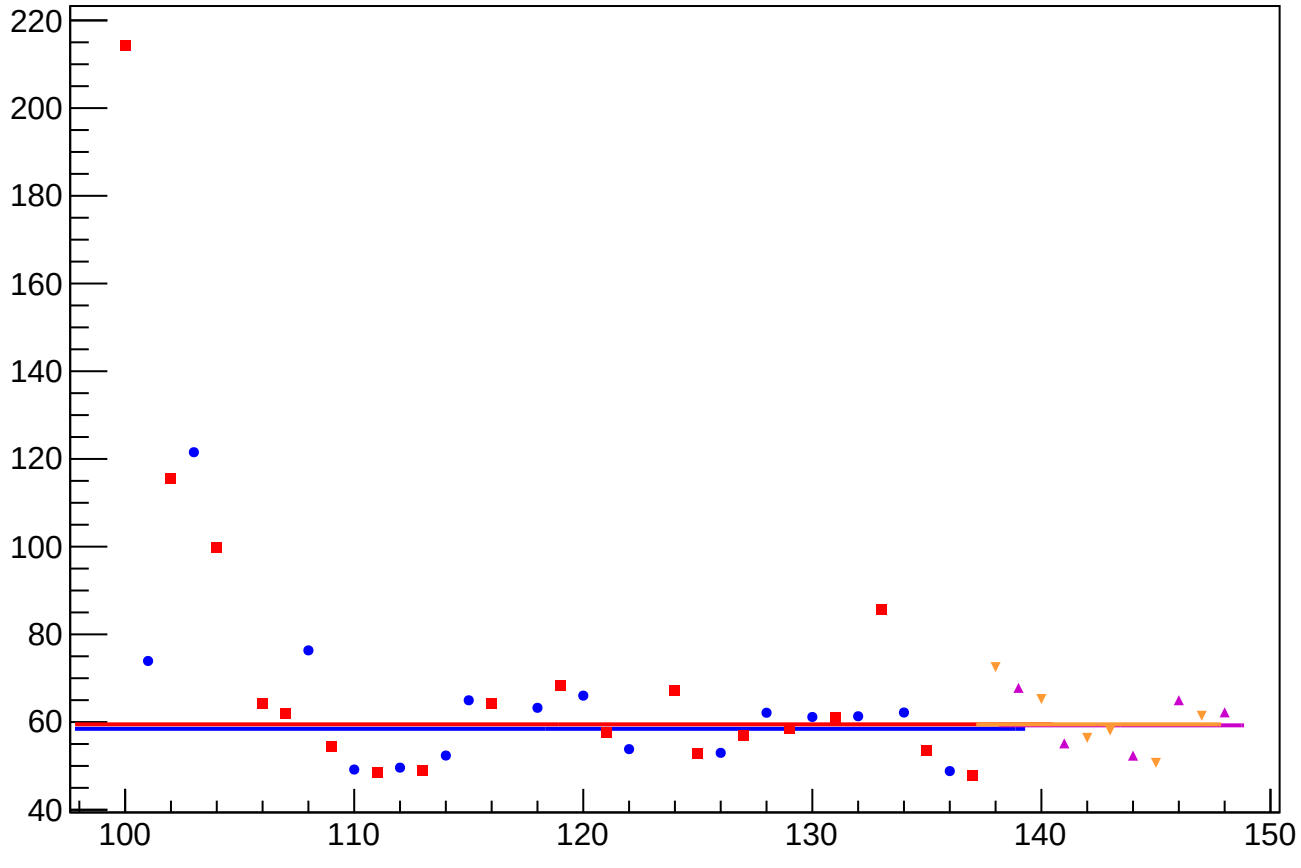
Left: 64.987+/-20.288 χ^2/NDF: 12.1/10

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 17.234+/-17.725 χ^2/NDF:24.2/20

Out: 47.914+/-17.805 χ^2/NDF:31.5/24

All: 32.505+/-12.562 χ^2/NDF: 57.1/45



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 59.484+/-0.020 χ^2/NDF:112995.4/5

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 59.256+/-0.020 χ^2/NDF:83754.4/4

Left: 59.371+/-0.014 χ^2/NDF: 196812.8/10

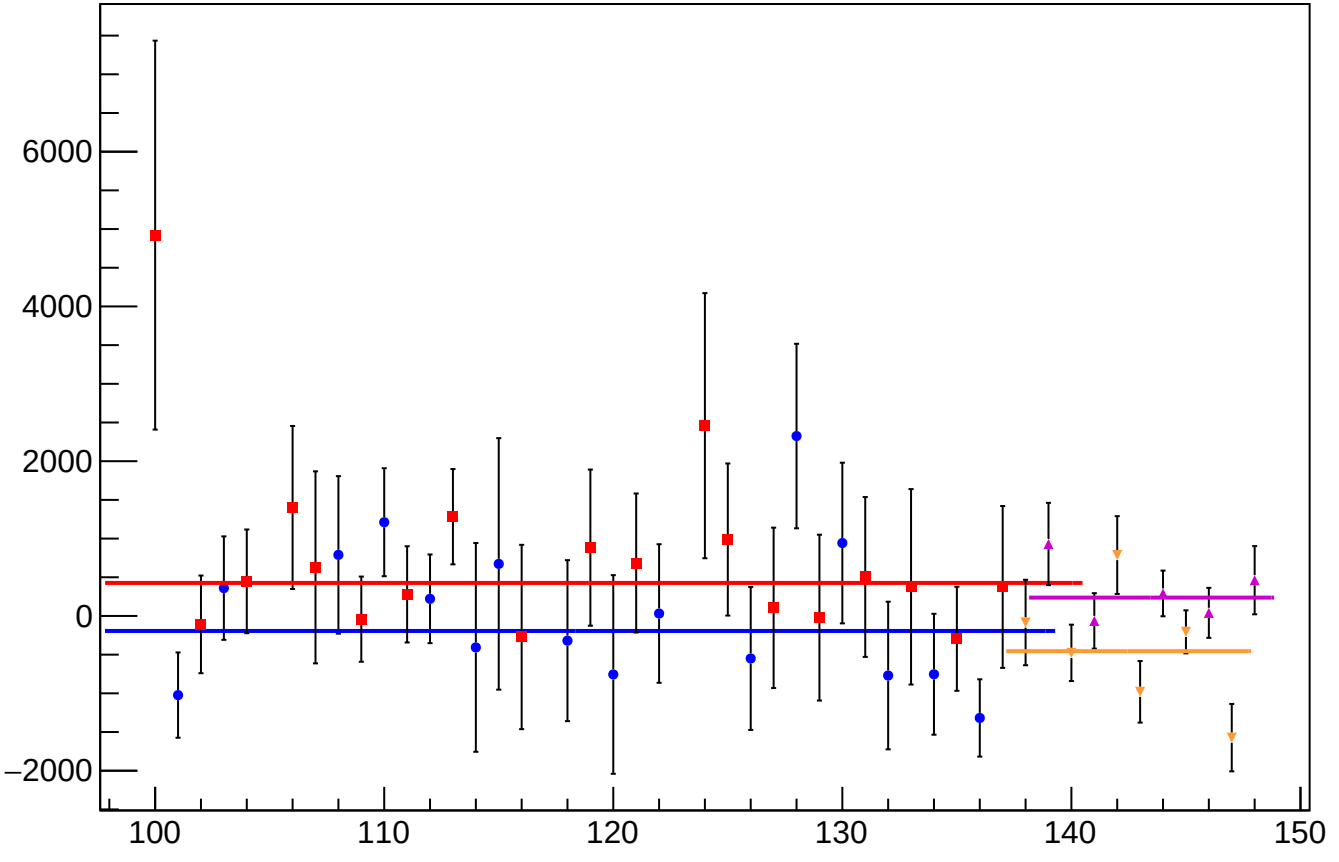
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.765+/-0.013 χ^2/NDF:667670.3/20

Out: 59.484+/-0.013 χ^2/NDF:897875.6/24

All: 59.123+/-0.009 χ^2/NDF: 1567186.0/45

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: -455.326+/-159.535 χ^2/NDF:15.7/5

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 237.032+/-163.190 χ^2/NDF:3.1/4

Left: -116.987+/-114.078 χ^2/NDF: 28.0/10

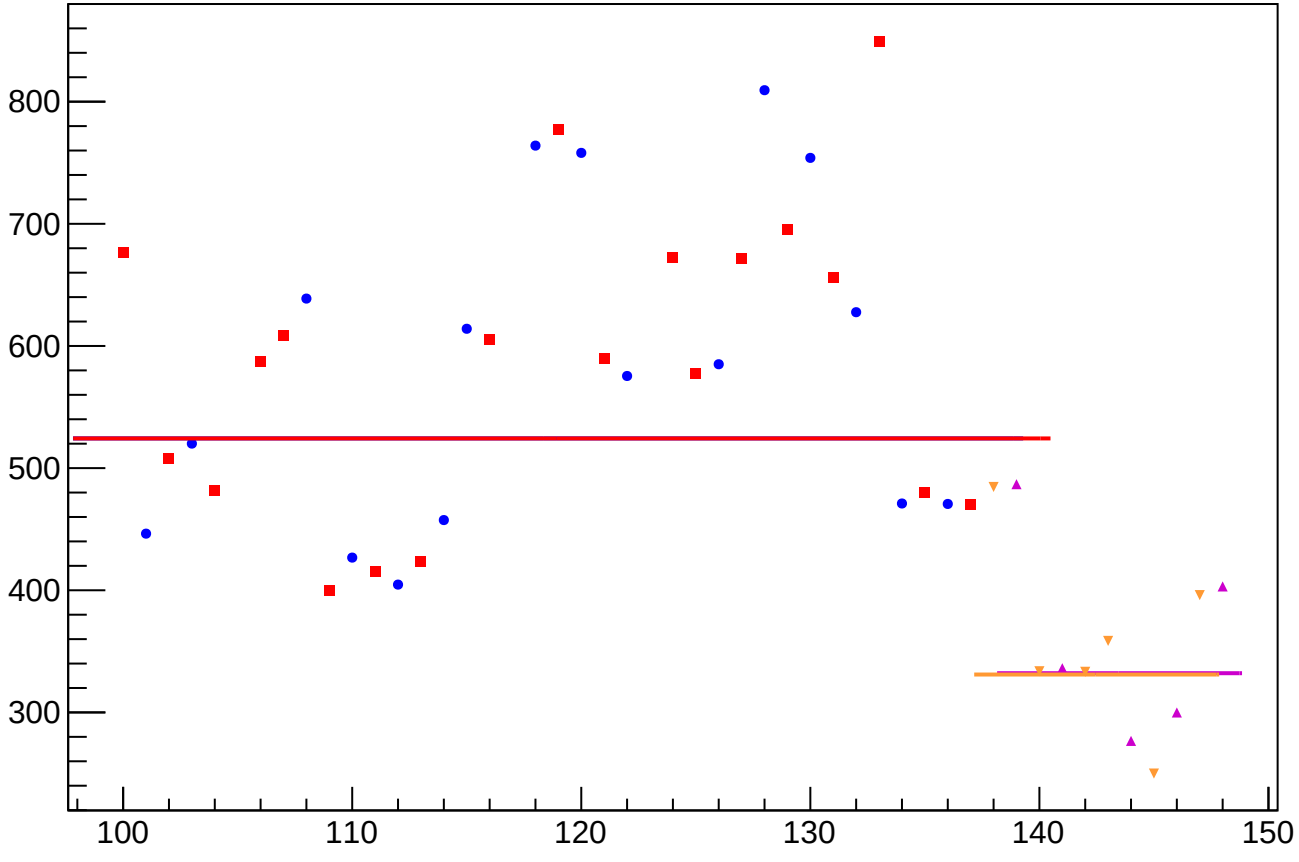
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 65.421+/-126.592 χ^2/NDF:26.6/20

Out: -105.886+/-123.981 χ^2/NDF:39.1/24

All: -22.018+/-88.576 χ^2/NDF: 66.7/45

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 331.024+/-0.113 χ^2/NDF:378869.3/5

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 332.110+/-0.115 χ^2/NDF:311997.5/4

Left: 331.554+/-0.081 χ^2/NDF: 690912.2/10

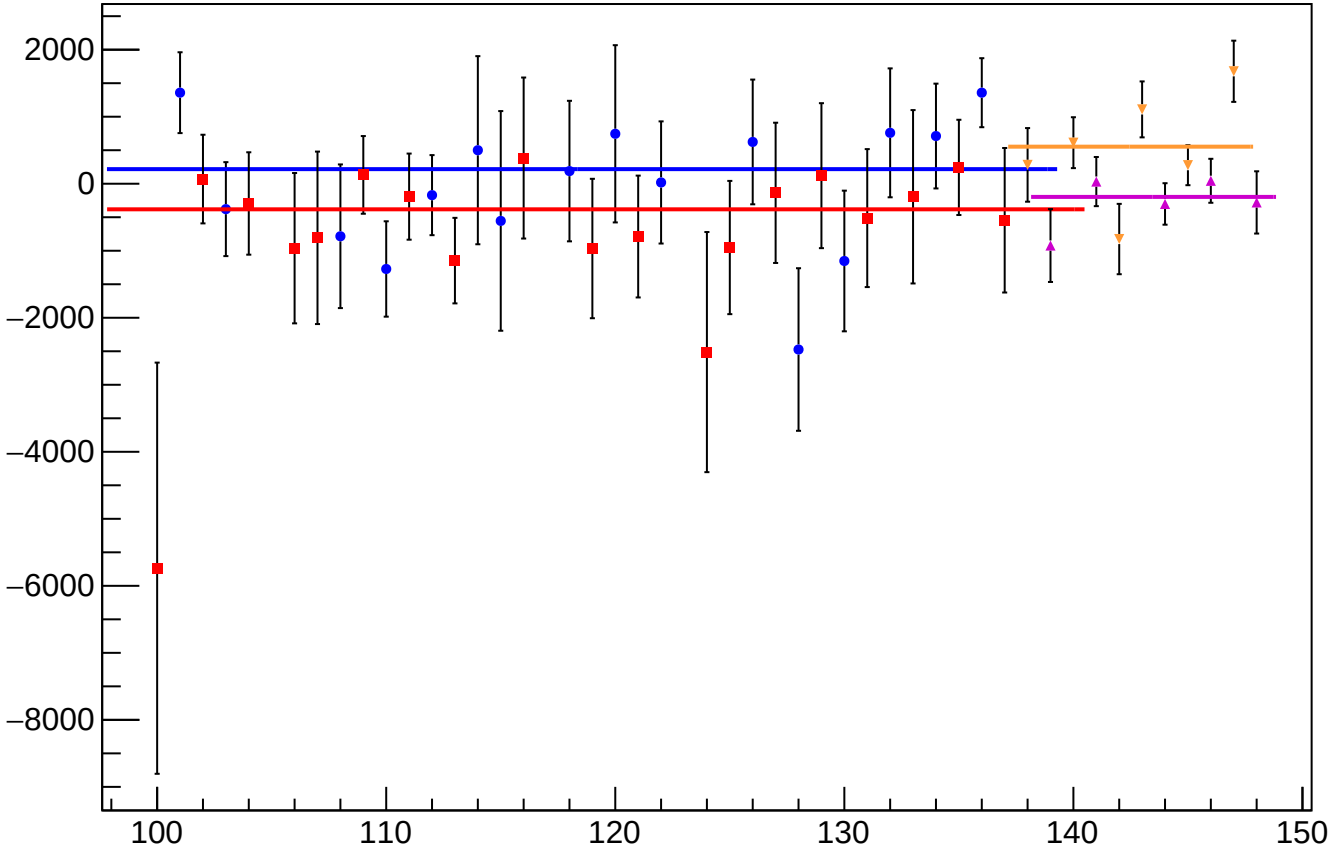
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 408.656+/-0.090 χ^2/NDF:2075482.9/20

Out: 407.574+/-0.088 χ^2/NDF:2227604.3/24

All: 408.104+/-0.063 χ^2/NDF: 4303161.8/45

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 553.054+/-167.561 χ^2/NDF:15.9/5

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -196.598+/-168.570 χ^2/NDF:2.9/4

Left: 180.477+/-118.839 χ^2/NDF: 28.7/10

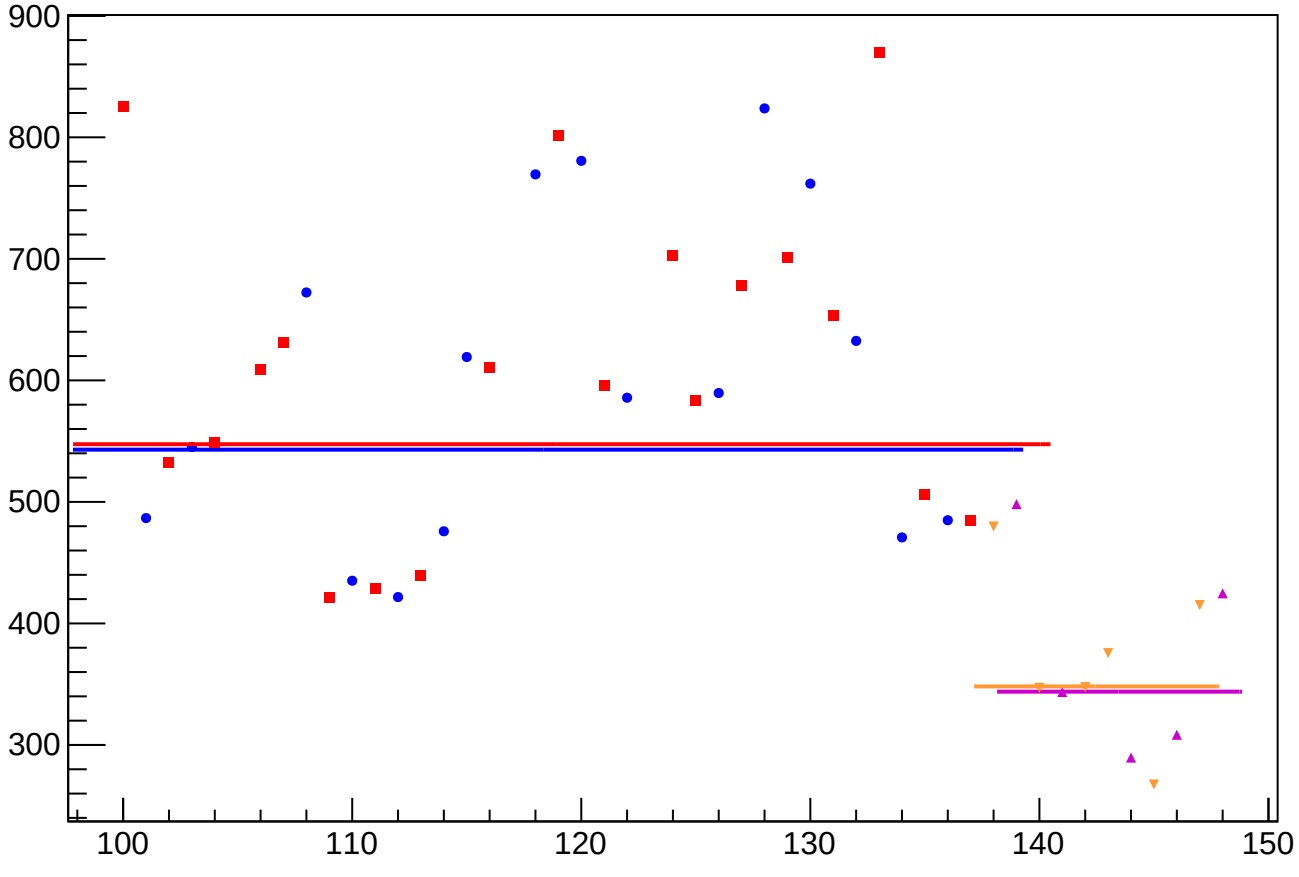
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -31.852+/-130.835 χ^2/NDF:28.2/20

Out: 179.896+/-129.885 χ^2/NDF:38.3/24

All: 74.794+/-92.176 χ^2/NDF: 67.7/45

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 348.180+/-0.118 χ^2/NDF:312504.4/5

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 343.864+/-0.119 χ^2/NDF:306756.6/4

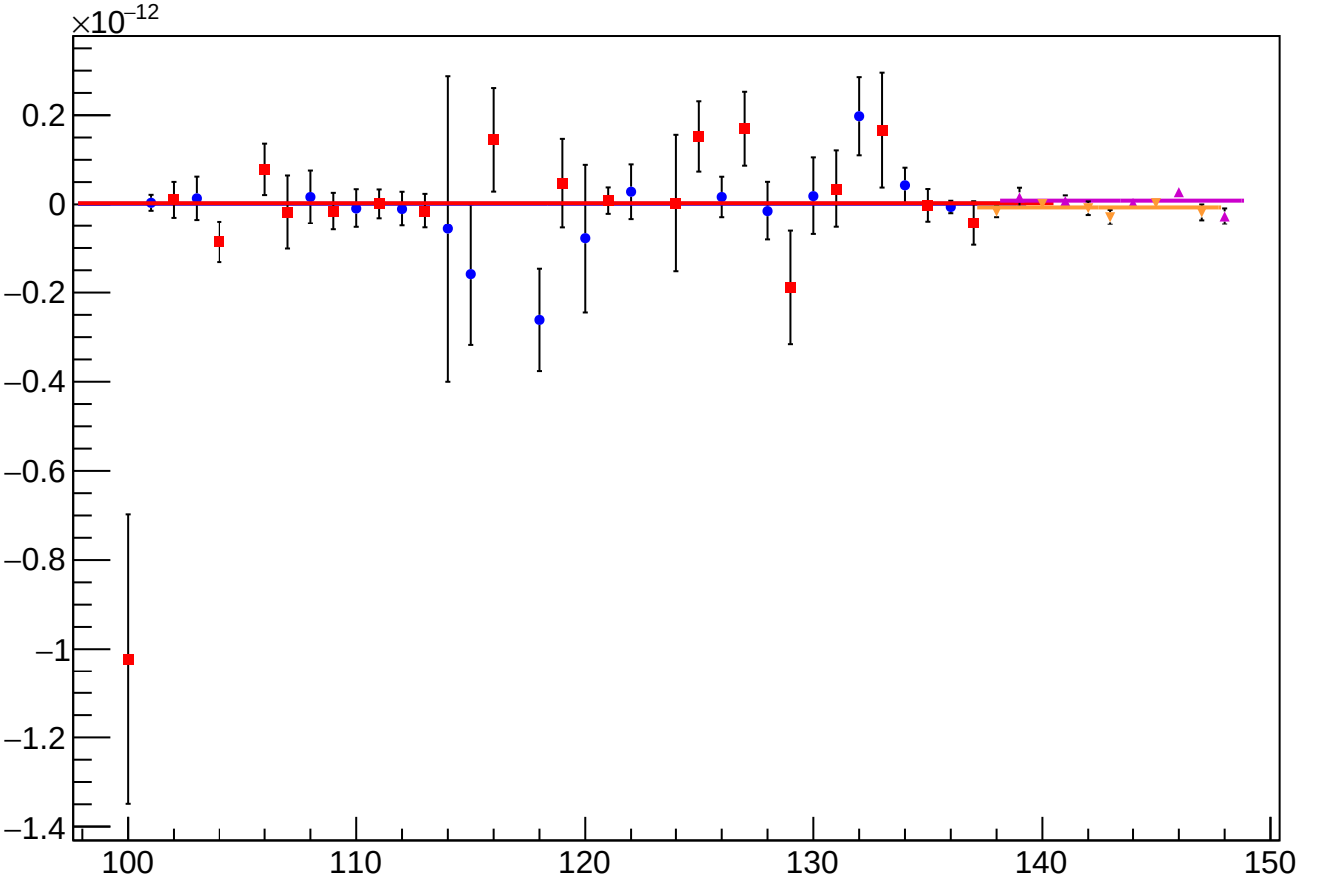
Left: 346.035+/-0.084 χ^2/NDF: 619920.7/10

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 423.039+/-0.093 χ^2/NDF:2021705.4/20

Out: 427.724+/-0.092 χ^2/NDF:2071964.5/24

All: 425.398+/-0.065 χ^2/NDF: 4094961.7/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/4

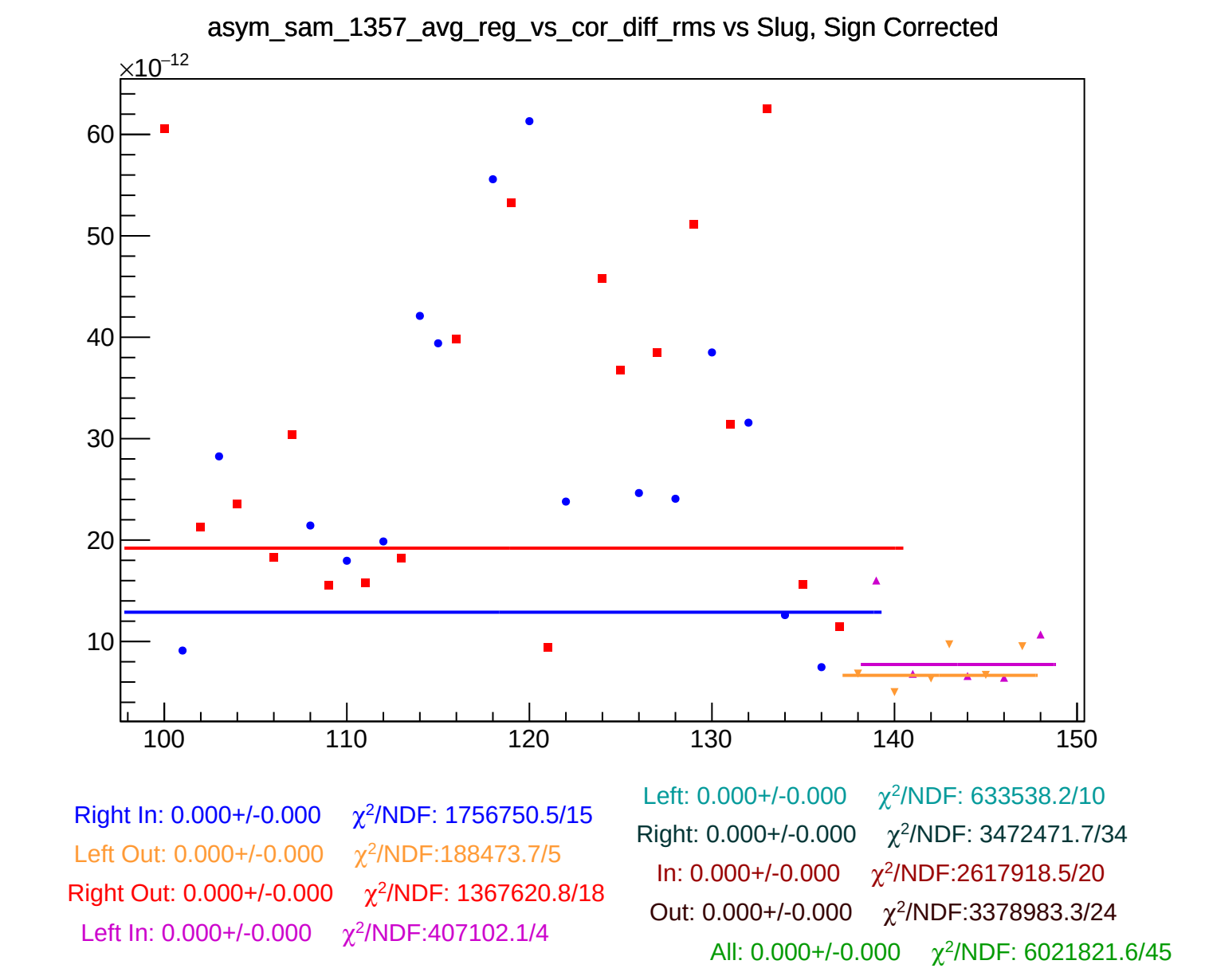
Left: -0.000+/-0.000 χ^2/NDF: 15.4/10

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

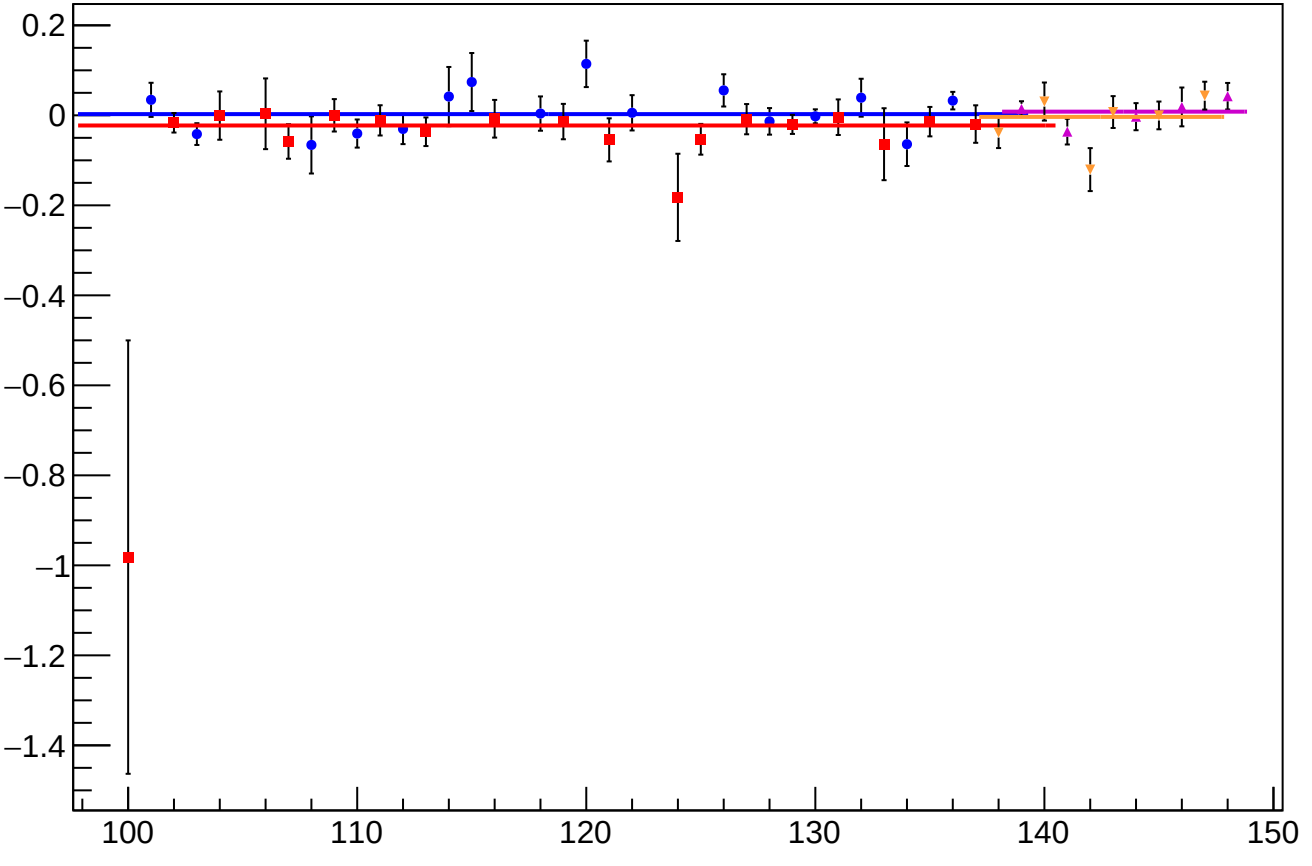
In: 0.000+/-0.000 χ^2/NDF:21.2/20

Out: -0.000+/-0.000 χ^2/NDF:34.9/24

All: 0.000+/-0.000 χ^2/NDF: 59.1/45


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:188473.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:407102.1/4
Left: 0.000+/-0.000 χ²/NDF: 633538.2/10
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:2617918.5/20
Out: 0.000+/-0.000 χ²/NDF:3378983.3/24
All: 0.000+/-0.000 χ²/NDF: 6021821.6/45

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: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.012 χ^2/NDF:4.1/4

Left: 0.004+/-0.009 χ^2/NDF: 14.6/10

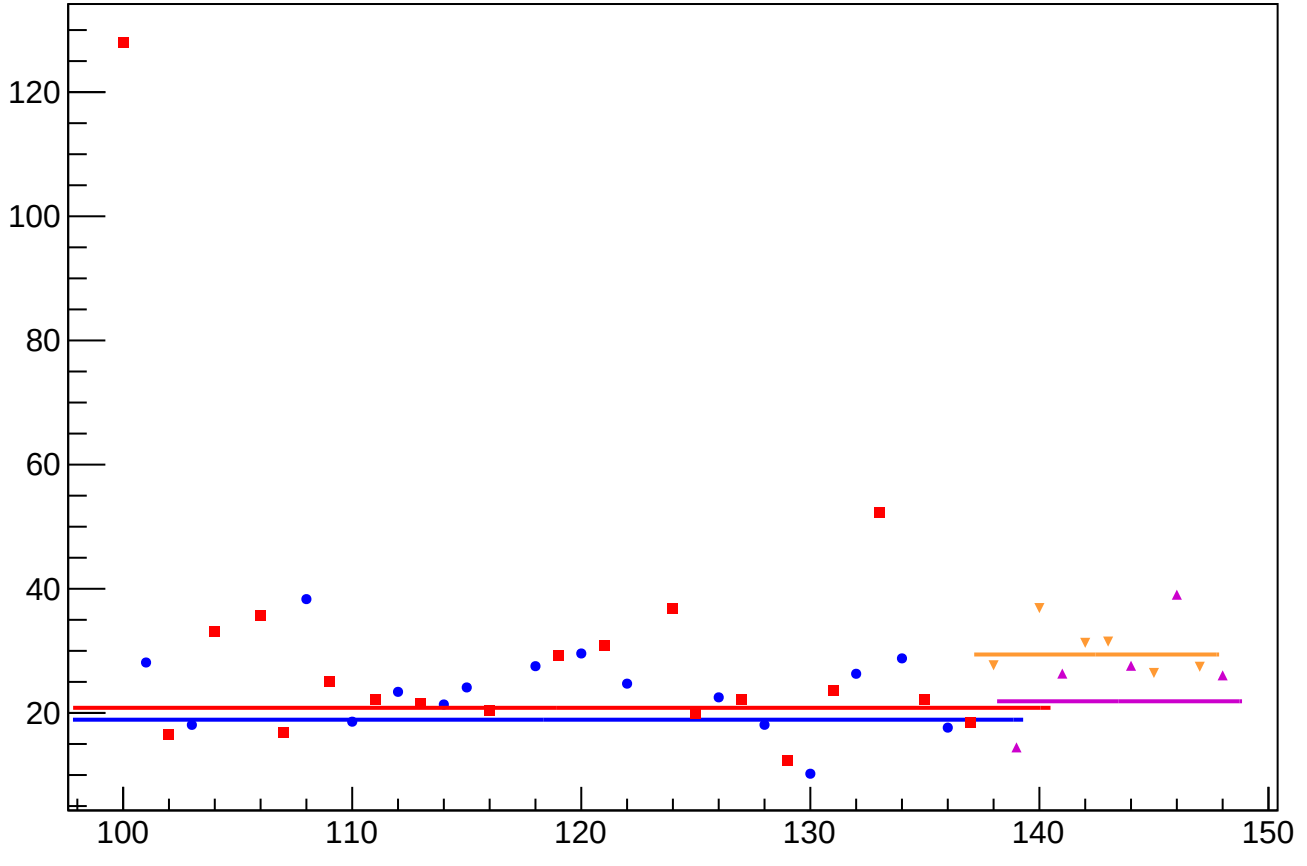
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.005+/-0.005 χ^2/NDF: 53.5/45

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.414+/-0.010 χ^2/NDF:104294.7/5

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

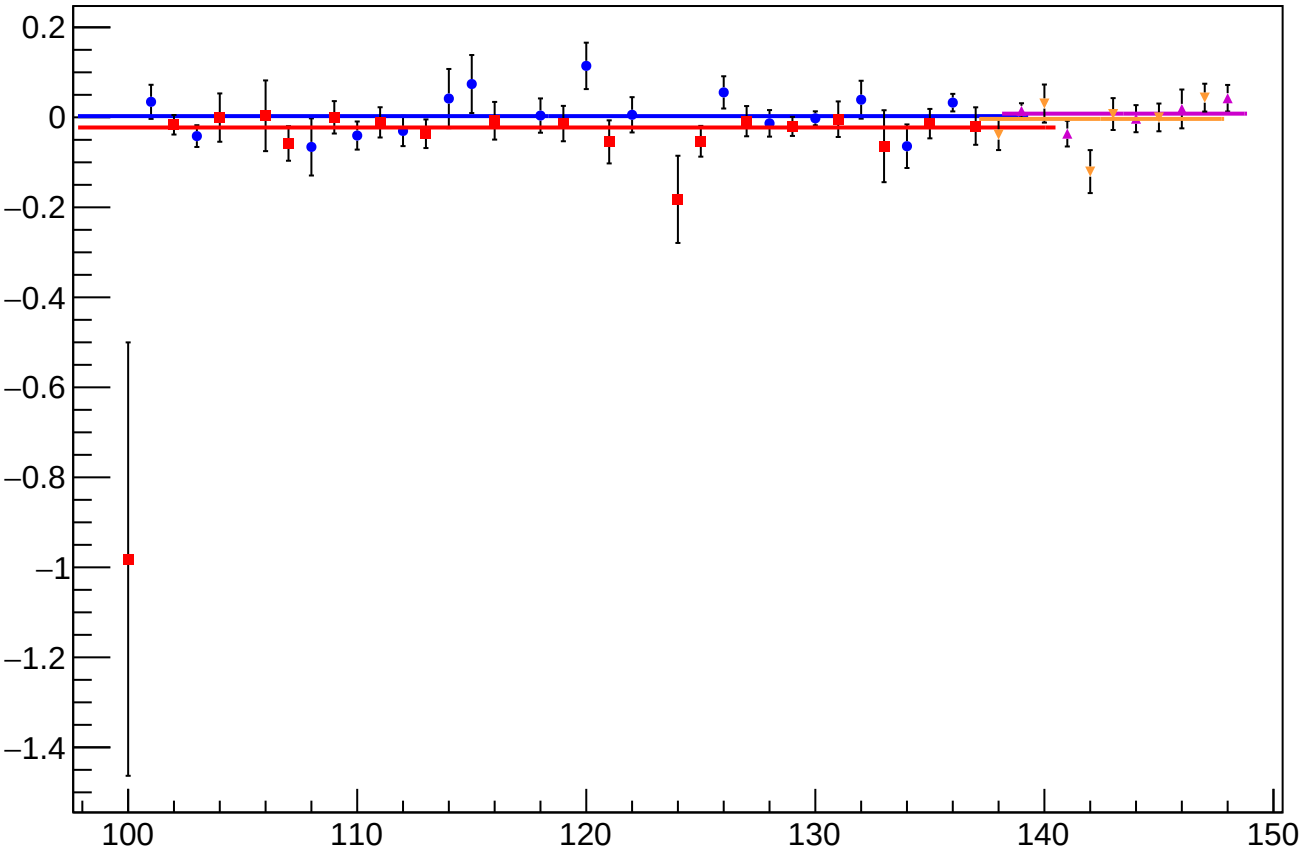
Left: 24.795+/-0.006 χ^2/NDF: 1295029.9/10

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.840+/-0.005 χ^2/NDF:2342060.8/20

Out: 22.995+/-0.005 χ^2/NDF:1917594.1/24

All: 21.227+/-0.003 χ^2/NDF: 4468746.6/45



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.012 χ^2/NDF:4.1/4

Left: 0.004+/-0.009 χ^2/NDF: 14.6/10

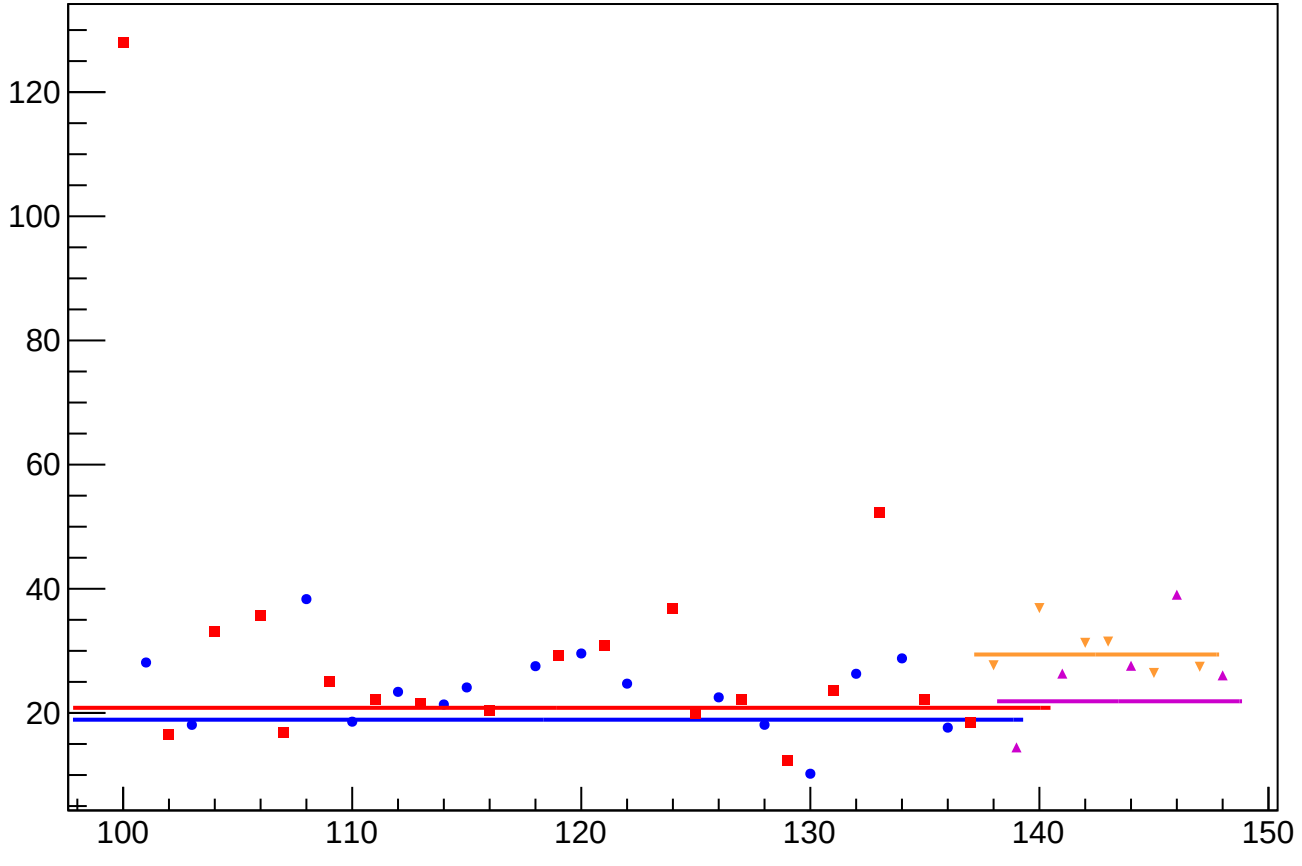
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.005+/-0.005 χ^2/NDF: 53.5/45

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: 29.414+/-0.010 χ^2/NDF:104294.7/5

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

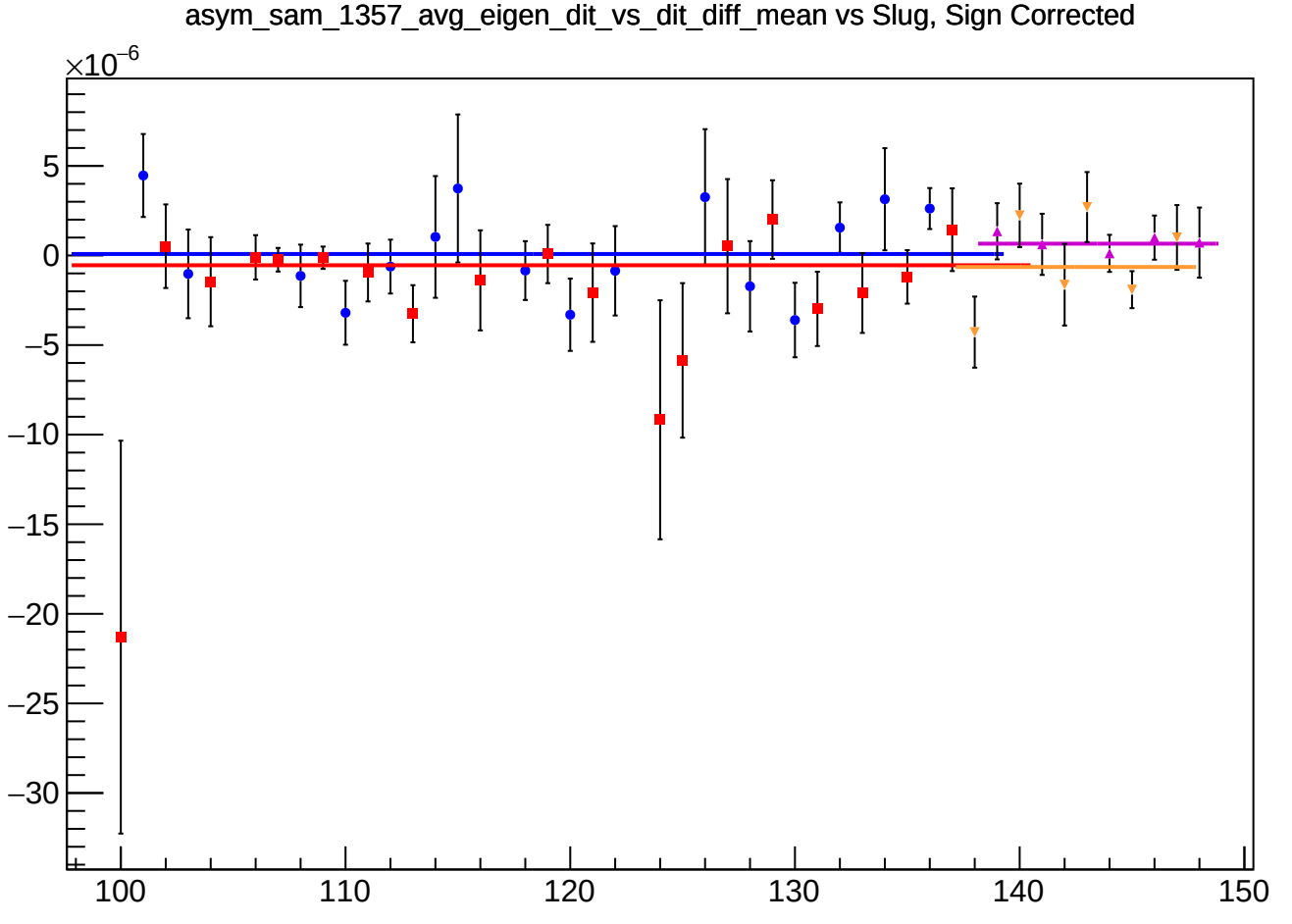
Left: 24.795+/-0.006 χ^2/NDF: 1295029.9/10

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.840+/-0.005 χ^2/NDF:2342060.8/20

Out: 22.995+/-0.005 χ^2/NDF:1917594.1/24

All: 21.227+/-0.003 χ^2/NDF: 4468746.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/4

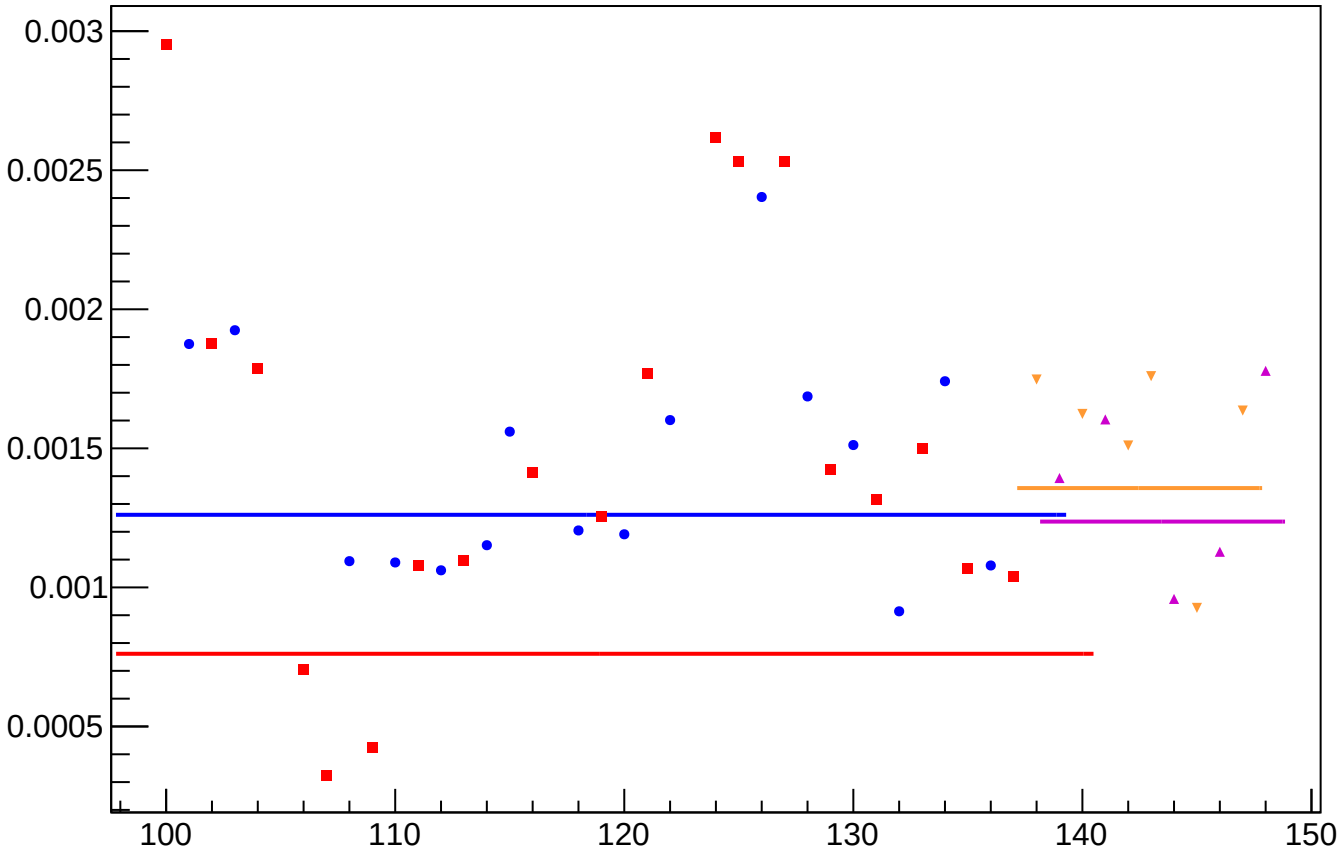
Left: 0.000+/-0.000 χ^2/NDF: 14.1/10

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.6/20

Out: -0.000+/-0.000 χ^2/NDF:27.1/24

All: -0.000+/-0.000 χ^2/NDF: 54.9/45



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:612878.9/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:425617.9/4

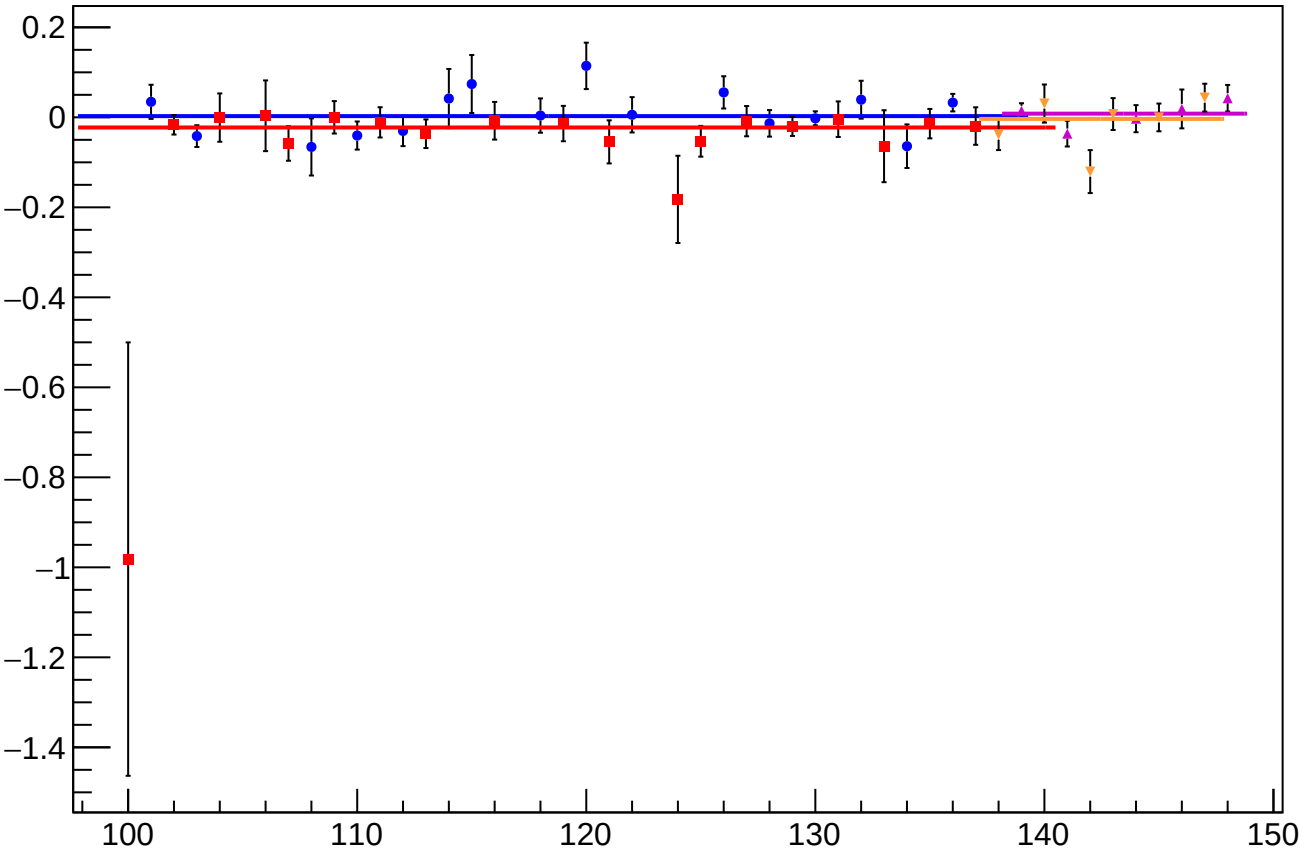
Left: 0.001+/-0.000 χ^2/NDF: 1073729.5/10

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1334876.1/20

Out: 0.001+/-0.000 χ^2/NDF:6566197.1/24

All: 0.001+/-0.000 χ^2/NDF: 9036547.8/45



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.012 χ^2/NDF:4.1/4

Left: 0.004+/-0.009 χ^2/NDF: 14.6/10

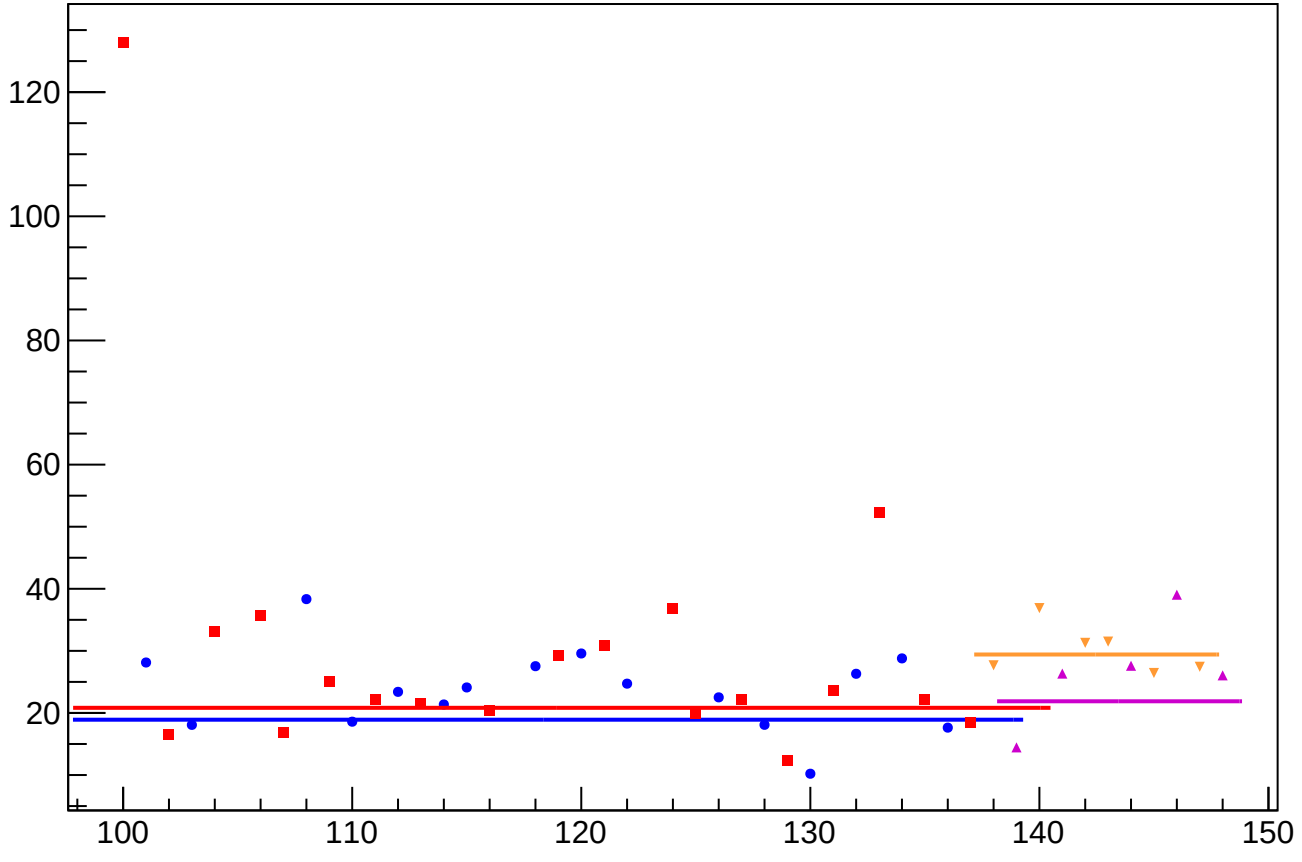
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.005+/-0.005 χ^2/NDF: 53.5/45

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: 29.415+/-0.010 χ^2/NDF:104299.3/5

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.878+/-0.008 χ^2/NDF:861147.5/4

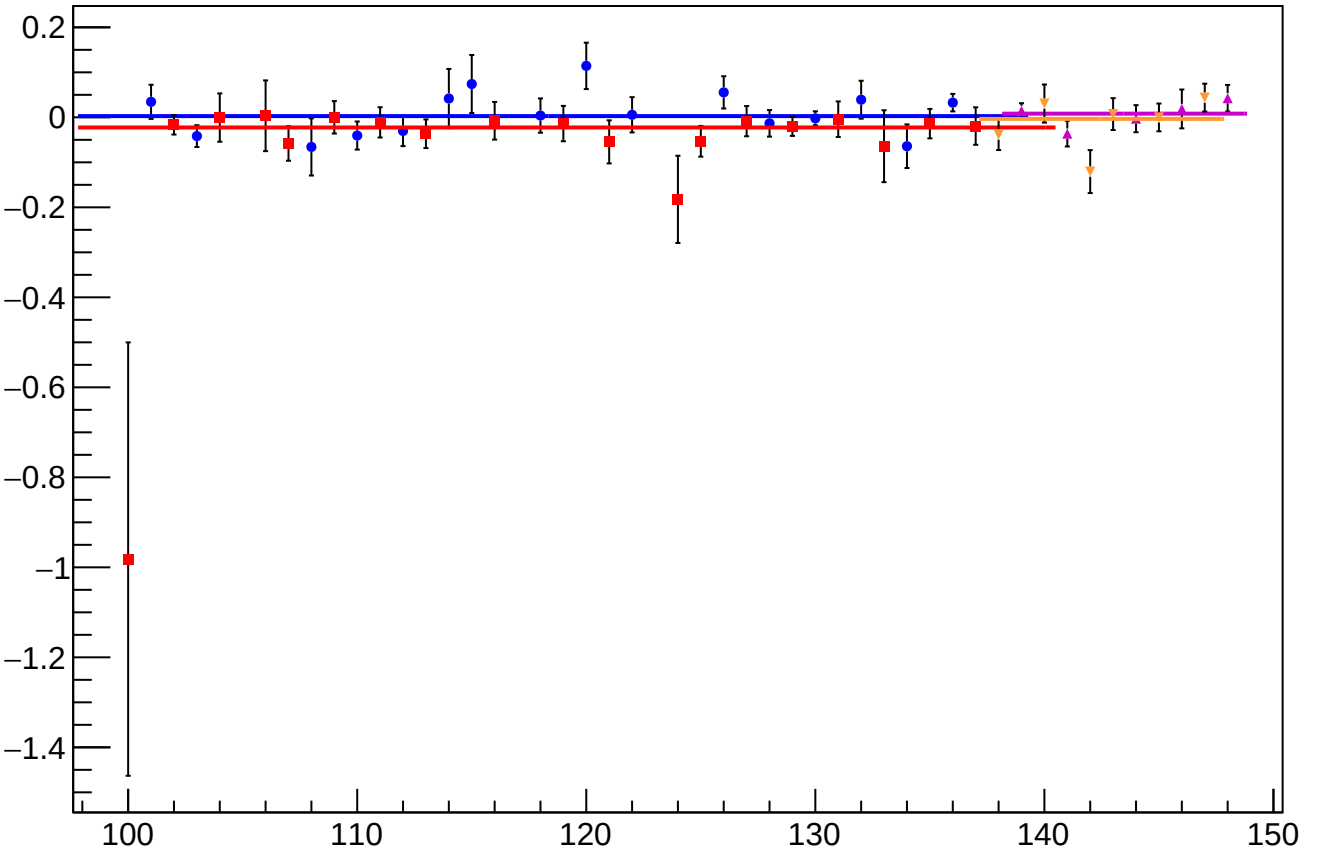
Left: 24.796+/-0.006 χ^2/NDF: 1294933.2/10

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.841+/-0.005 χ^2/NDF:2341890.1/20

Out: 22.996+/-0.005 χ^2/NDF:1917613.7/24

All: 21.227+/-0.003 χ^2/NDF: 4468559.3/45



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.012 χ^2/NDF:4.1/4

Left: 0.004+/-0.009 χ^2/NDF: 14.6/10

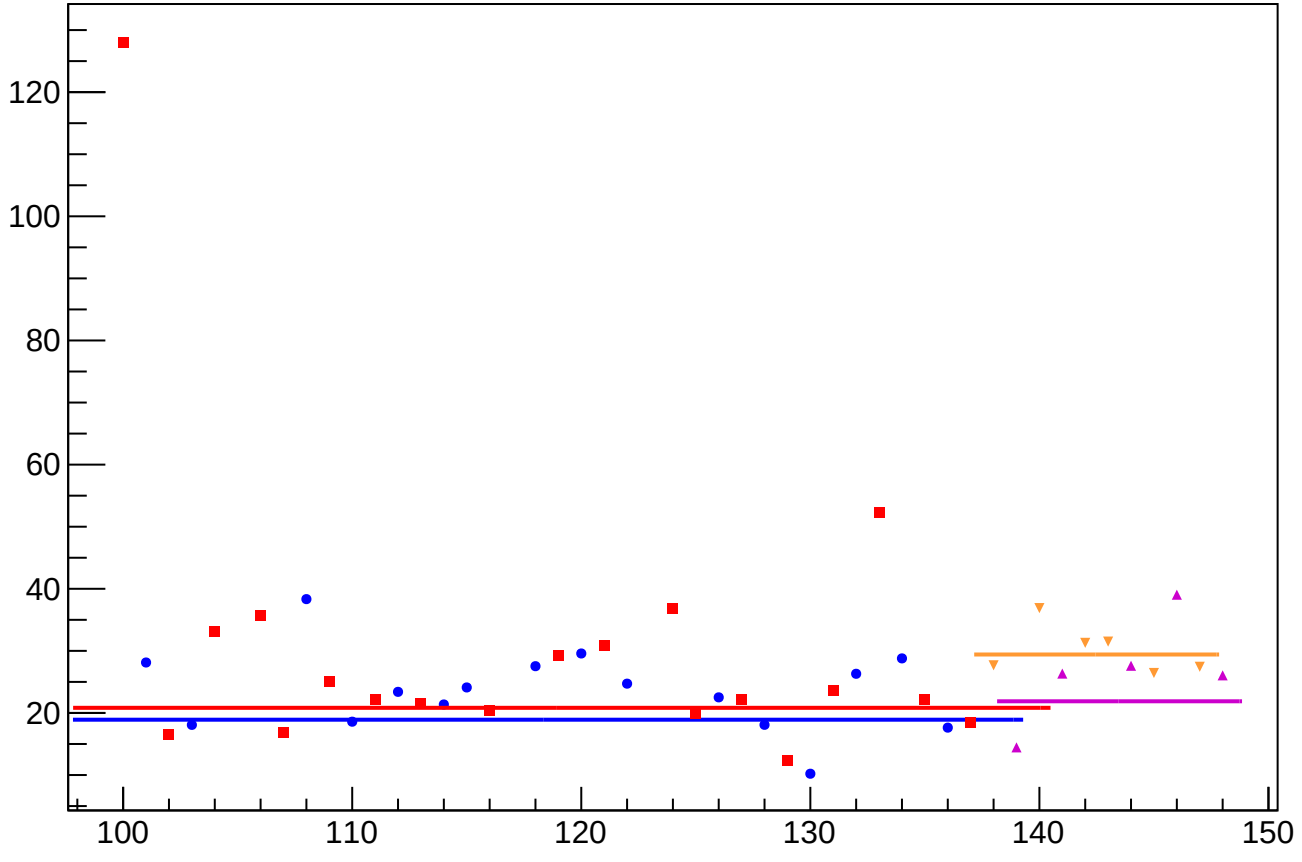
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.005+/-0.005 χ^2/NDF: 53.5/45

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: 29.415+/-0.010 χ^2/NDF:104299.3/5

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.878+/-0.008 χ^2/NDF:861147.5/4

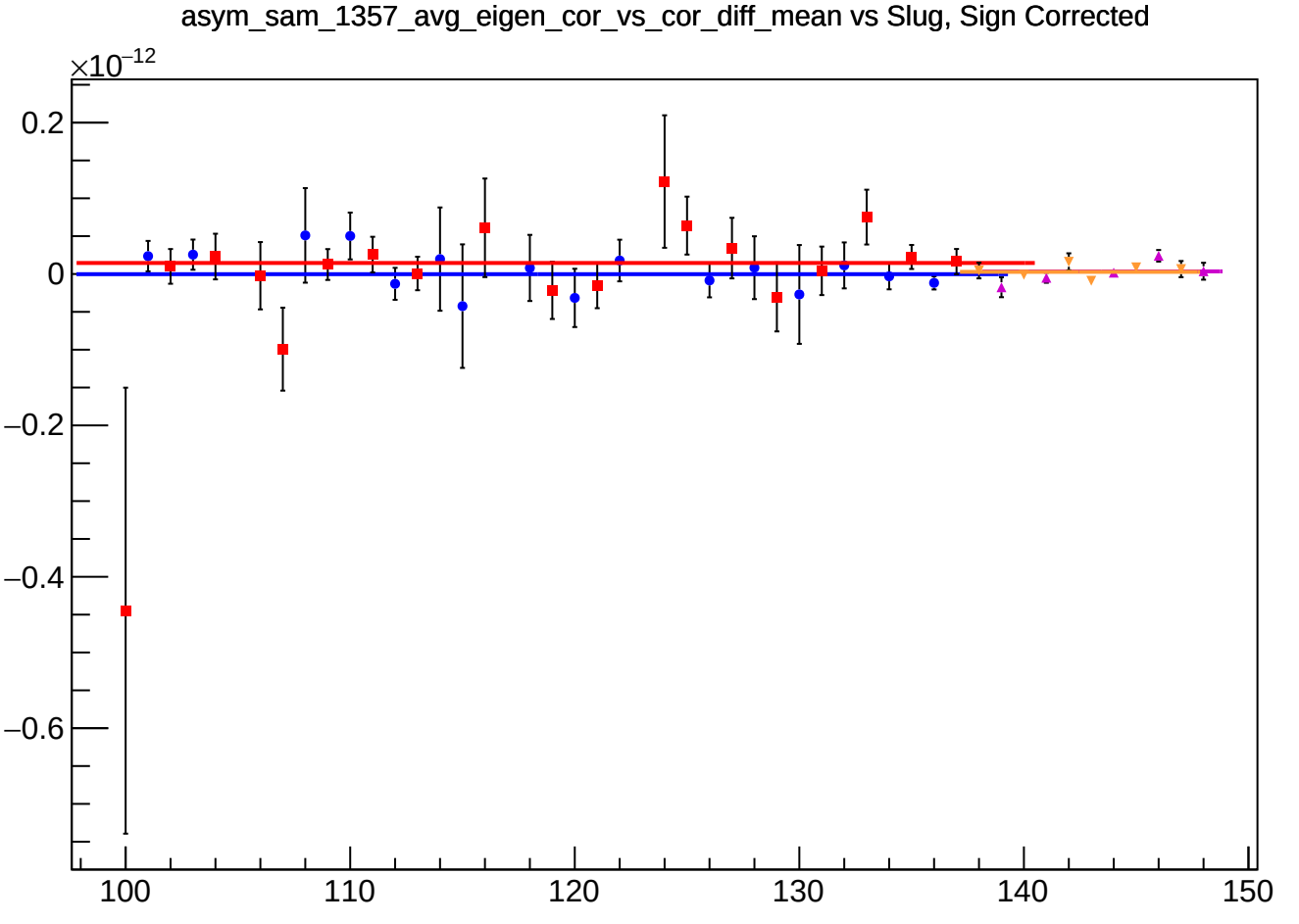
Left: 24.796+/-0.006 χ^2/NDF: 1294933.2/10

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.841+/-0.005 χ^2/NDF:2341890.1/20

Out: 22.996+/-0.005 χ^2/NDF:1917613.7/24

All: 21.227+/-0.003 χ^2/NDF: 4468559.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/4

Left: 0.000+/-0.000 χ^2/NDF: 18.3/10

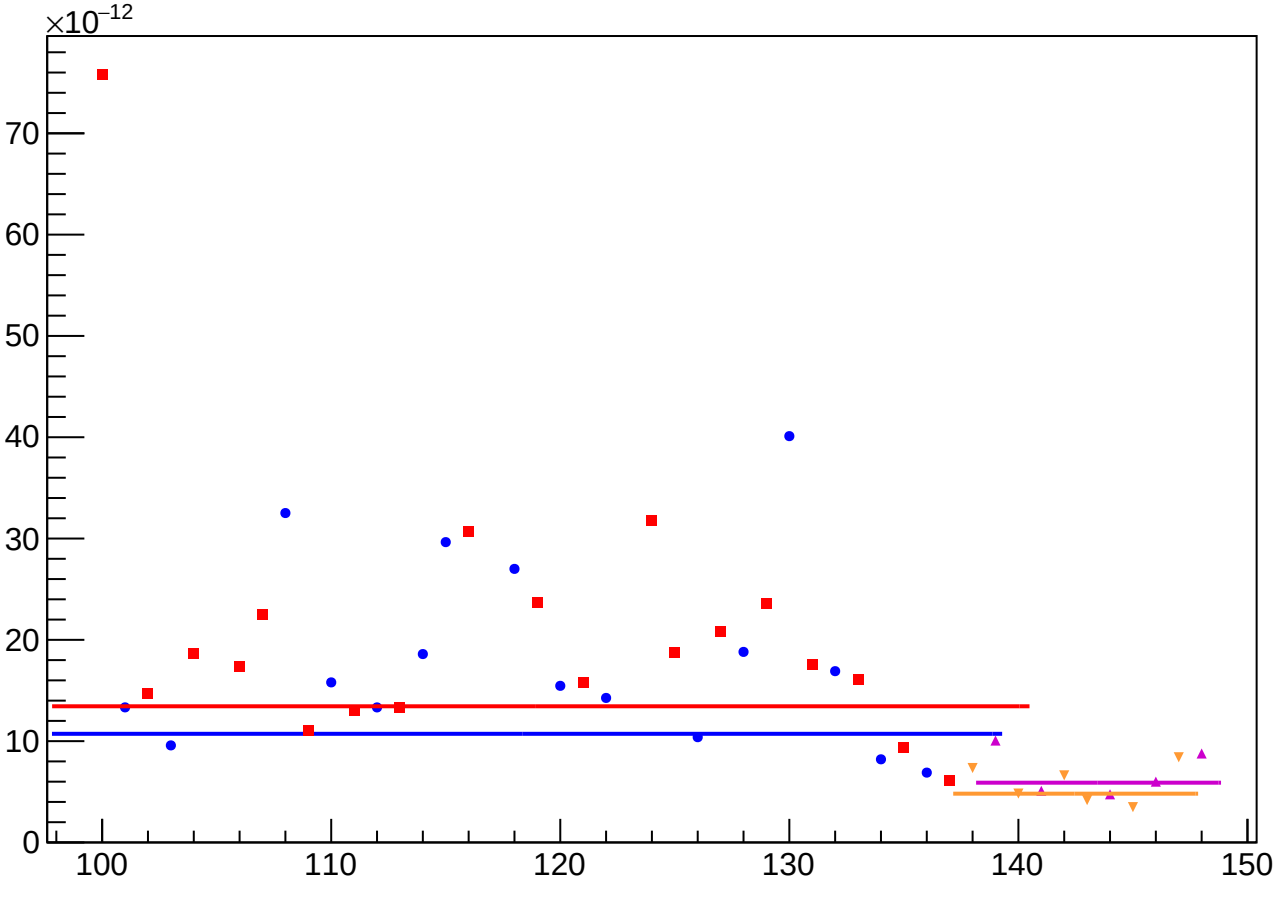
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:22.3/20

Out: 0.000+/-0.000 χ^2/NDF:27.1/24

All: 0.000+/-0.000 χ^2/NDF: 49.8/45

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:560029.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:434321.2/4

Left: 0.000+/-0.000 χ^2/NDF: 1106749.7/10

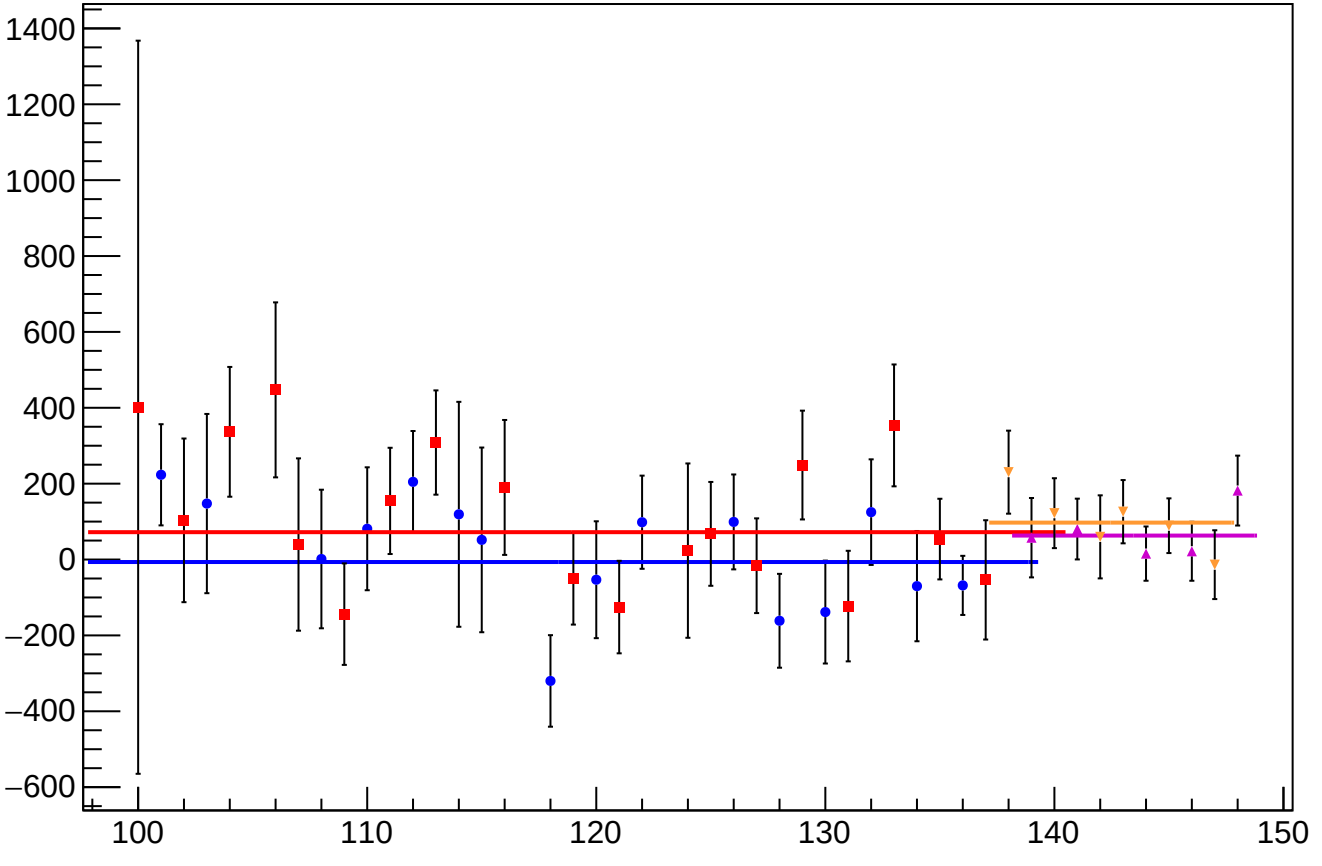
Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:3333713.4/20

Out: 0.000+/-0.000 χ^2/NDF:4869338.8/24

All: 0.000+/-0.000 χ^2/NDF: 8334309.9/45

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.309+/-36.699 χ^2/NDF:3.3/5

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 63.147+/-37.111 χ^2/NDF:2.4/4

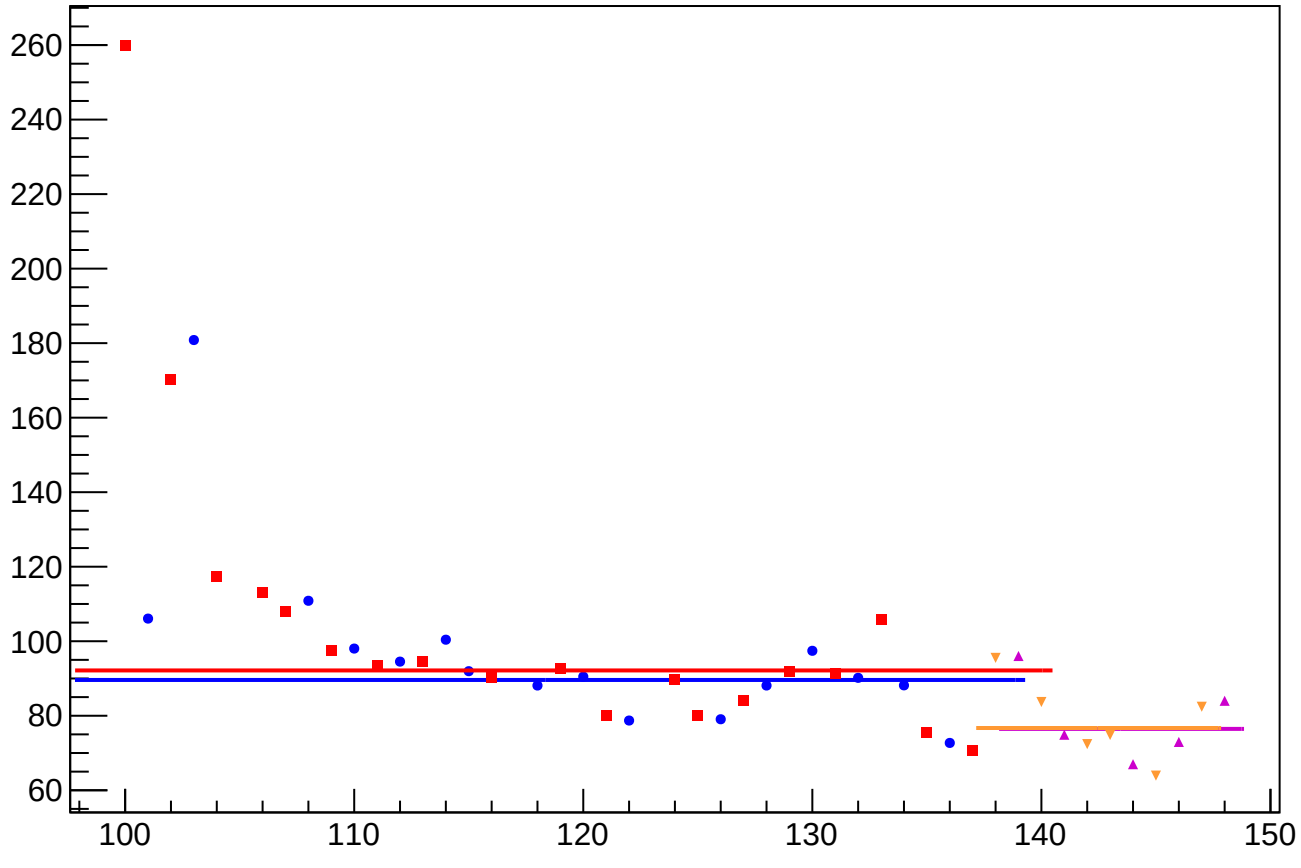
Left: 80.419+/-26.095 χ^2/NDF: 6.2/10

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 25.540+/-25.184 χ^2/NDF:23.3/20

Out: 84.078+/-25.284 χ^2/NDF:26.3/24

All: 54.693+/-17.843 χ^2/NDF: 52.3/45



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

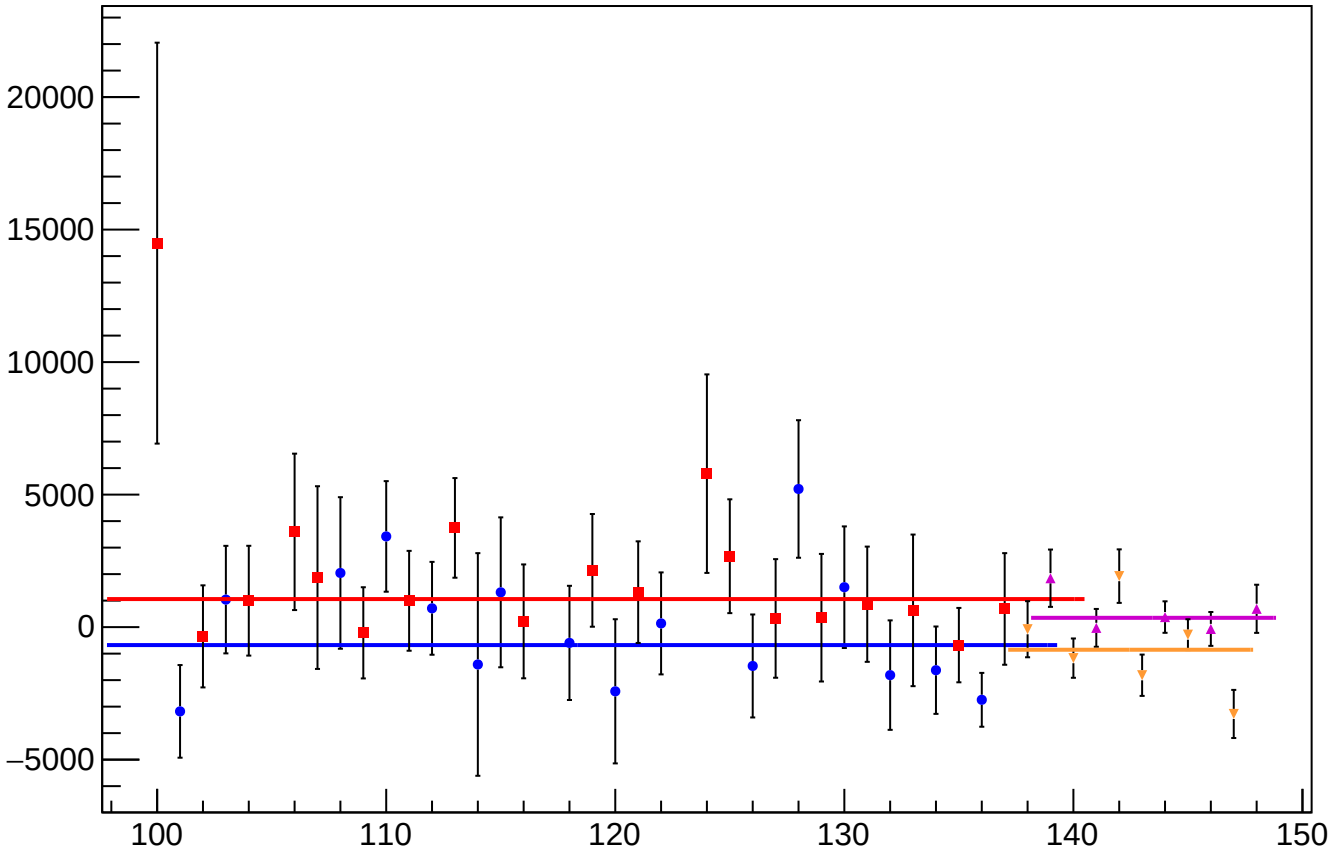
Left: 76.593+/-0.018 χ^2/NDF: 268812.7/10

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 83.557+/-0.018 χ^2/NDF:756747.4/20

Out: 84.828+/-0.018 χ^2/NDF:873800.2/24

All: 84.190+/-0.013 χ^2/NDF: 1633084.4/45



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -853.700+/-324.403 χ^2/NDF:17.9/5

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 351.134+/-327.690 χ^2/NDF:2.8/4

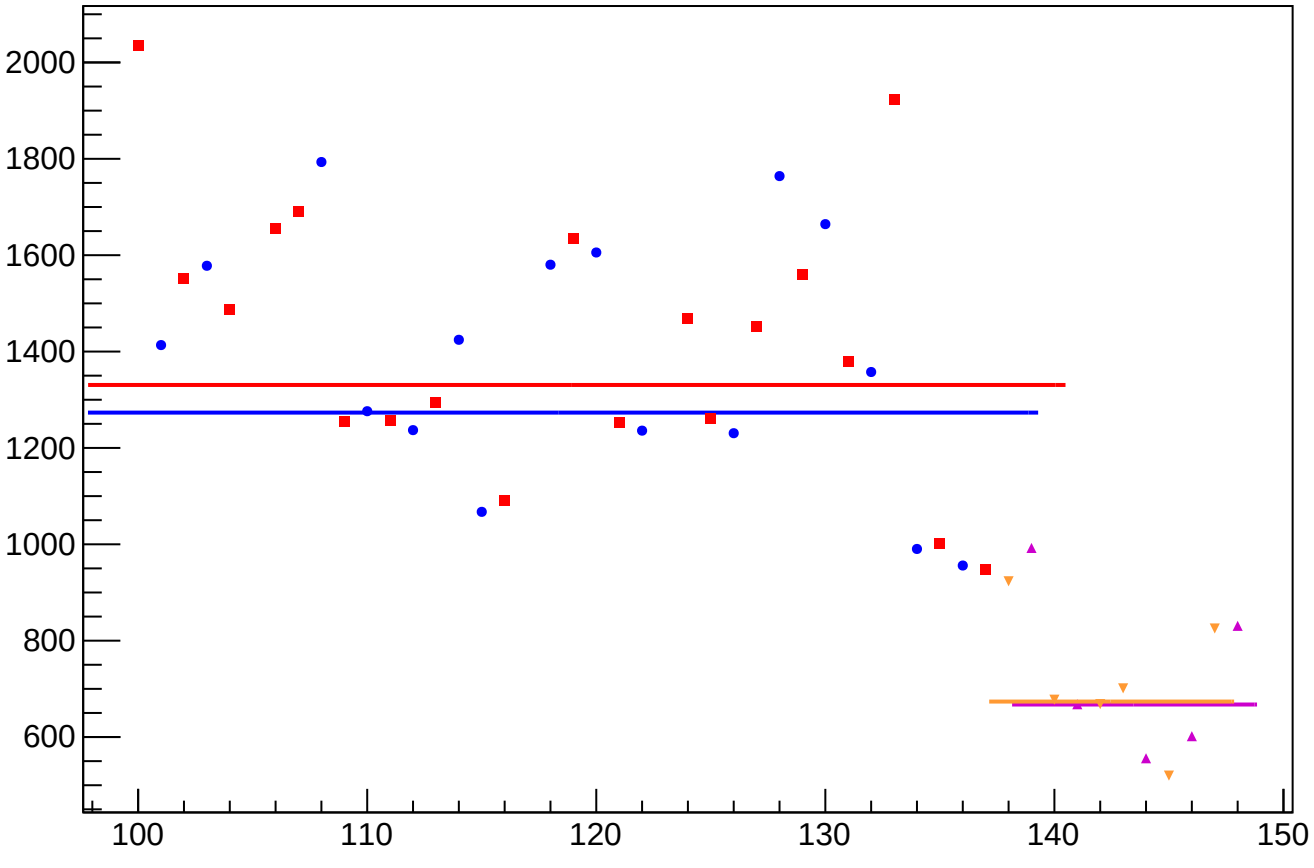
Left: -257.357+/-230.541 χ^2/NDF: 27.5/10

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 30.119+/-271.783 χ^2/NDF:26.1/20

Out: -281.283+/-271.549 χ^2/NDF:39.7/24

All: -125.716+/-192.097 χ^2/NDF: 66.5/45



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 673.642+/-0.229 χ^2/NDF:309115.3/5

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 667.514+/-0.232 χ^2/NDF:336892.6/4

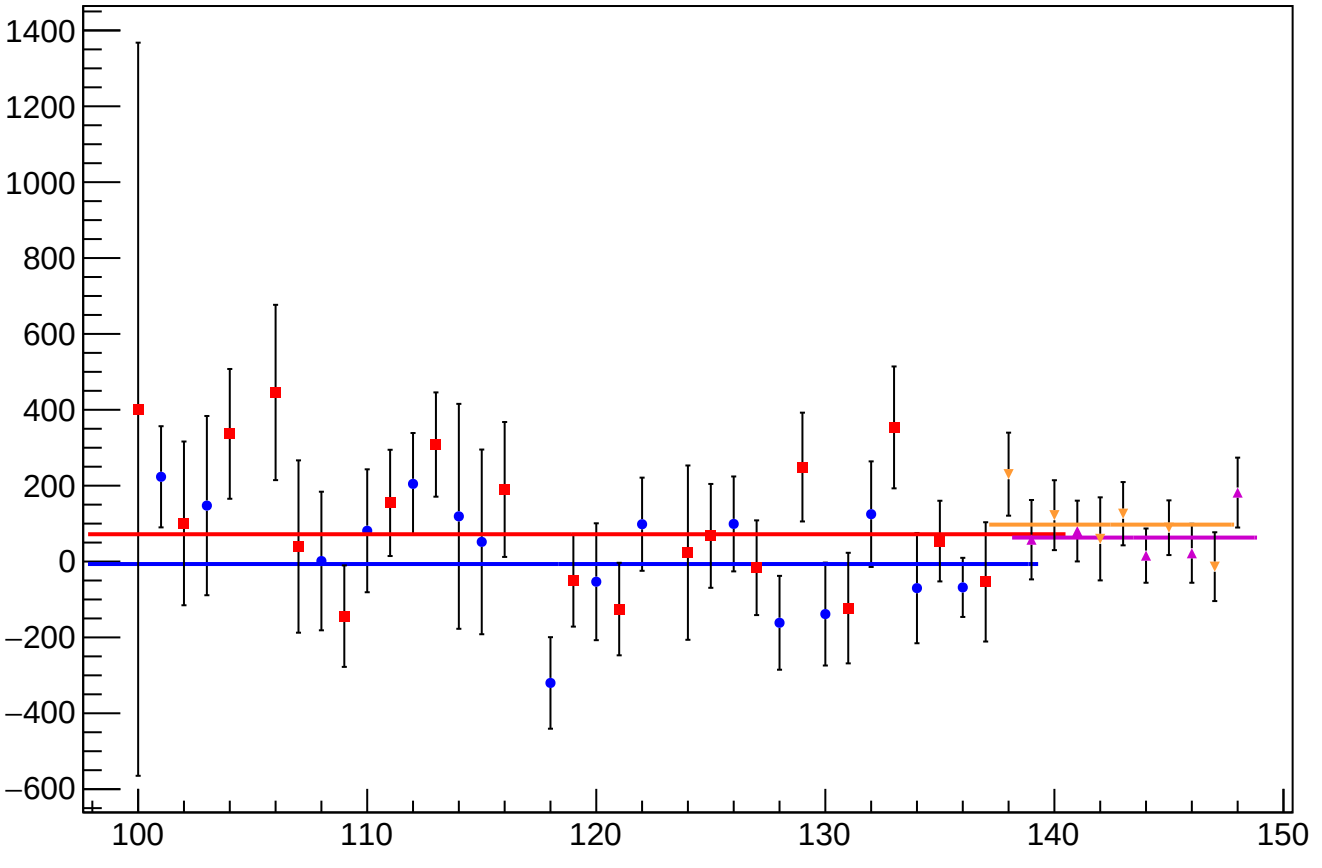
Left: 670.608+/-0.163 χ^2/NDF: 646361.1/10

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 856.596+/-0.192 χ^2/NDF:3067901.9/20

Out: 870.300+/-0.192 χ^2/NDF:3235465.5/24

All: 863.454+/-0.136 χ^2/NDF: 6305912.2/45



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.323+/-36.699 χ^2/NDF:3.3/5

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.155+/-37.111 χ^2/NDF:2.4/4

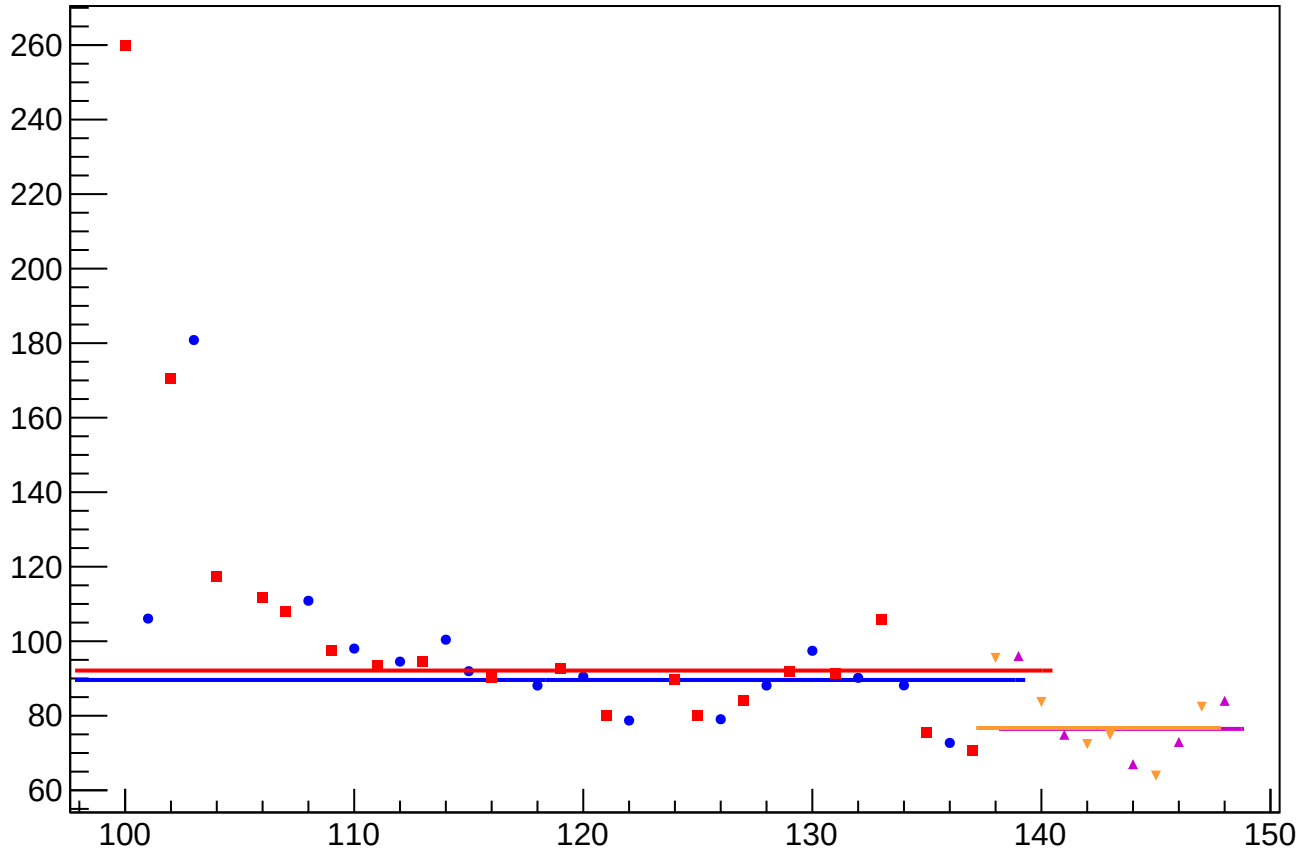
Left: 80.430+/-26.095 χ^2/NDF: 6.2/10

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 25.539+/-25.184 χ^2/NDF:23.3/20

Out: 84.010+/-25.284 χ^2/NDF:26.3/24

All: 54.658+/-17.843 χ^2/NDF: 52.2/45



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

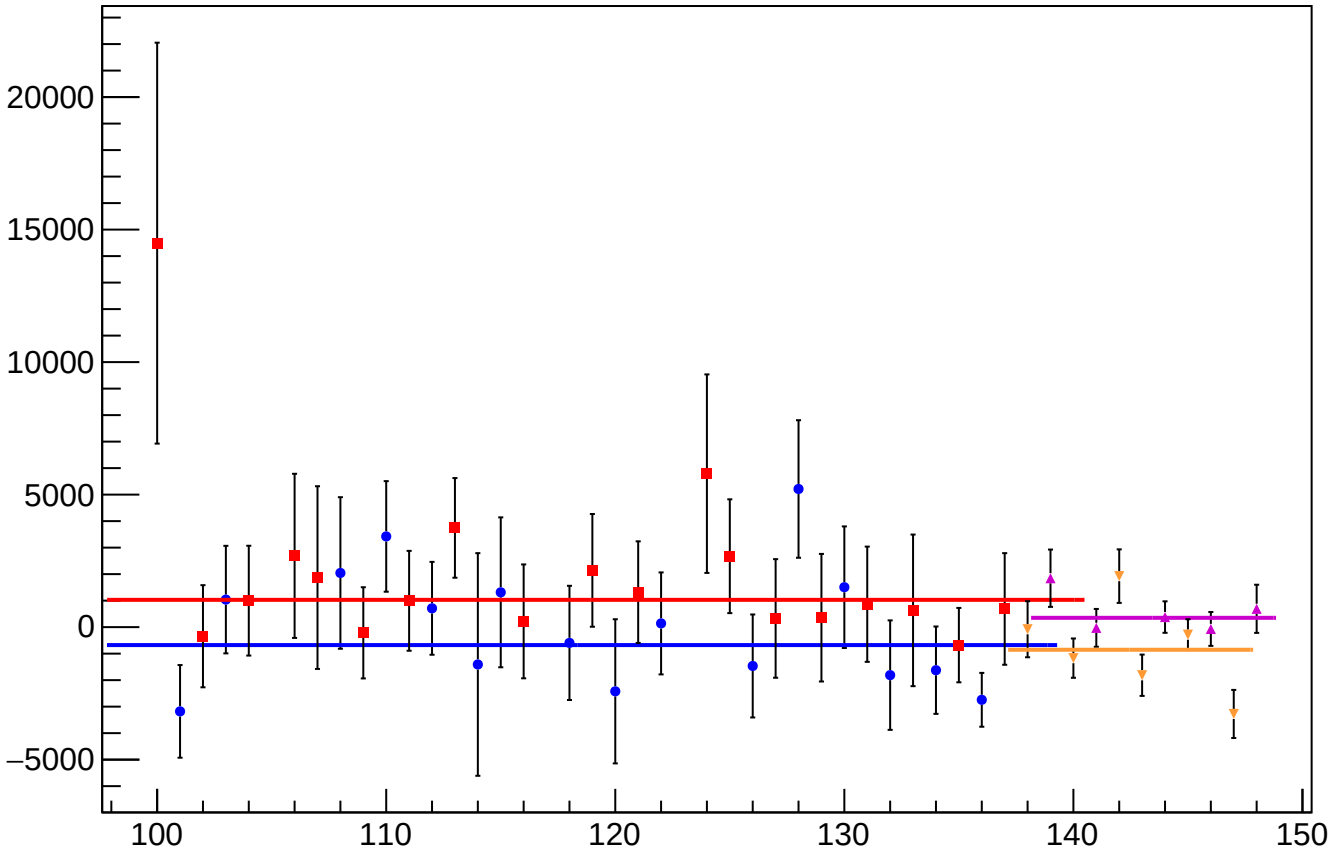
Left: 76.593+/-0.018 χ^2/NDF: 268812.7/10

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.557+/-0.018 χ^2/NDF:756750.9/20

Out: 84.811+/-0.018 χ^2/NDF:871259.1/24

All: 84.181+/-0.013 χ^2/NDF: 1630478.8/45



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 351.143+/-327.690 χ^2/NDF:2.8/4

Left: -257.346+/-230.541 χ^2/NDF: 27.5/10

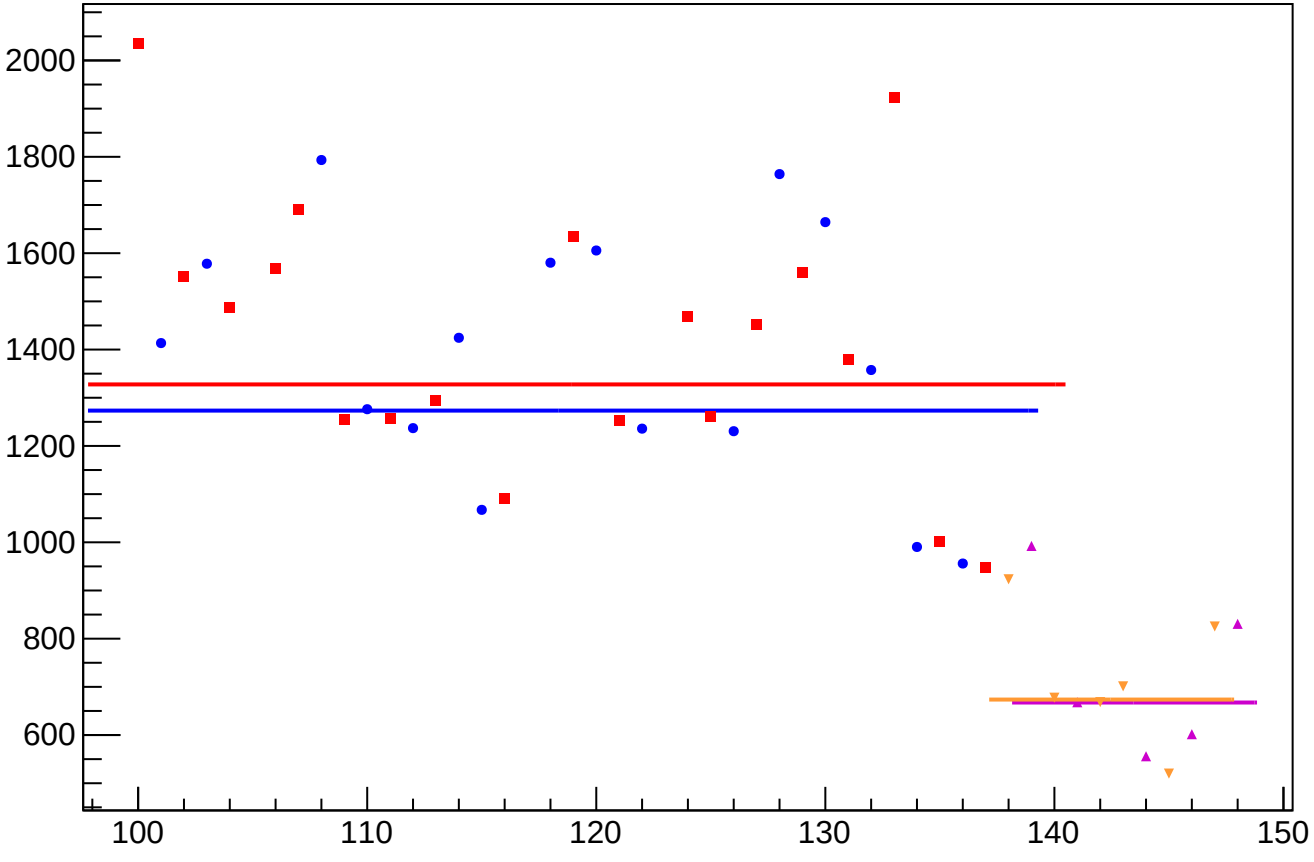
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 30.139+/-271.783 χ^2/NDF:26.1/20

Out: -291.124+/-271.658 χ^2/NDF:38.9/24

All: -130.567+/-192.135 χ^2/NDF: 65.7/45

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 673.641+/-0.229 χ^2/NDF:309116.1/5

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

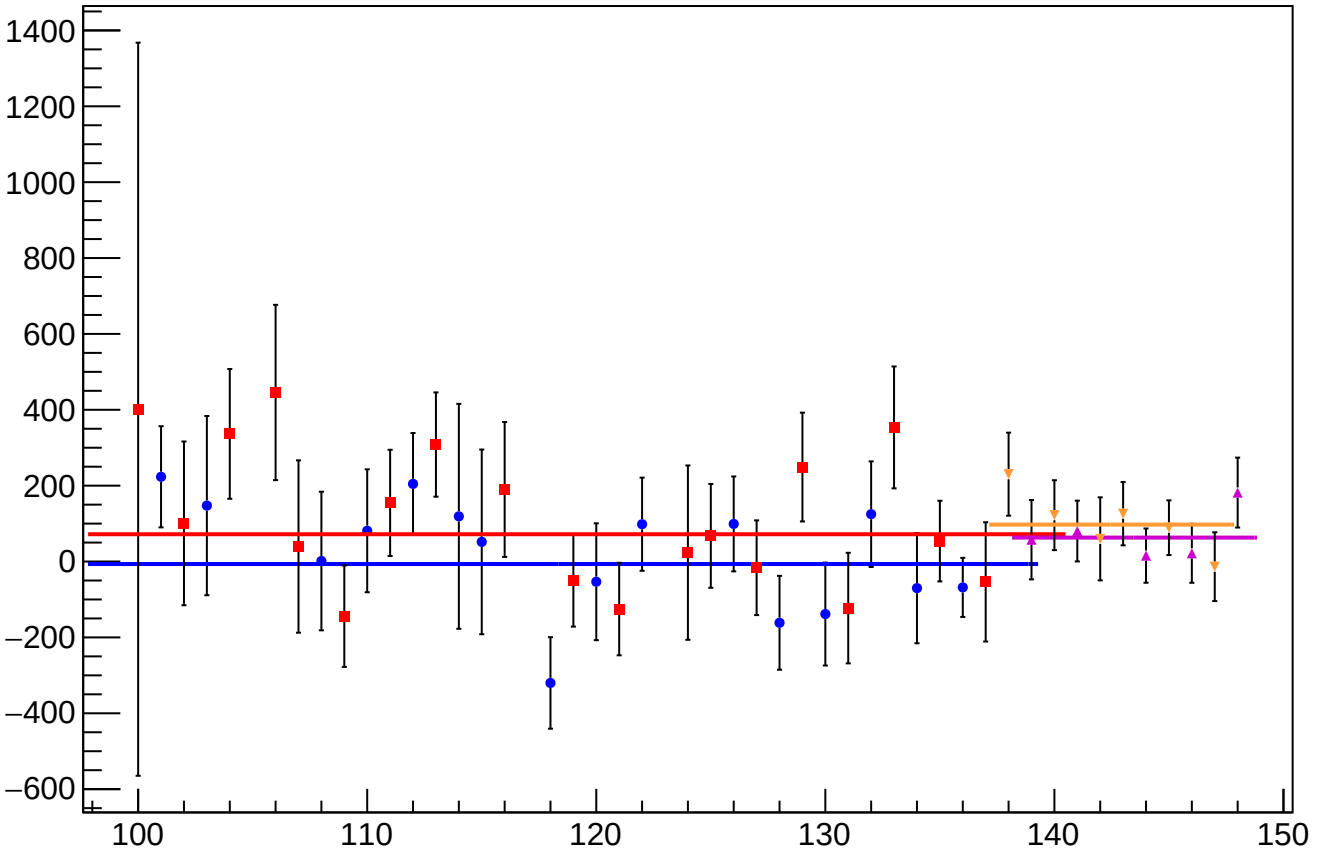
Left: 670.608+/-0.163 χ^2/NDF: 646360.5/10

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 856.596+/-0.192 χ^2/NDF:3067937.7/20

Out: 869.026+/-0.192 χ^2/NDF:3196127.9/24

All: 862.814+/-0.136 χ^2/NDF: 6266158.4/45



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.323+/-36.699 χ^2/NDF:3.3/5

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.155+/-37.111 χ^2/NDF:2.4/4

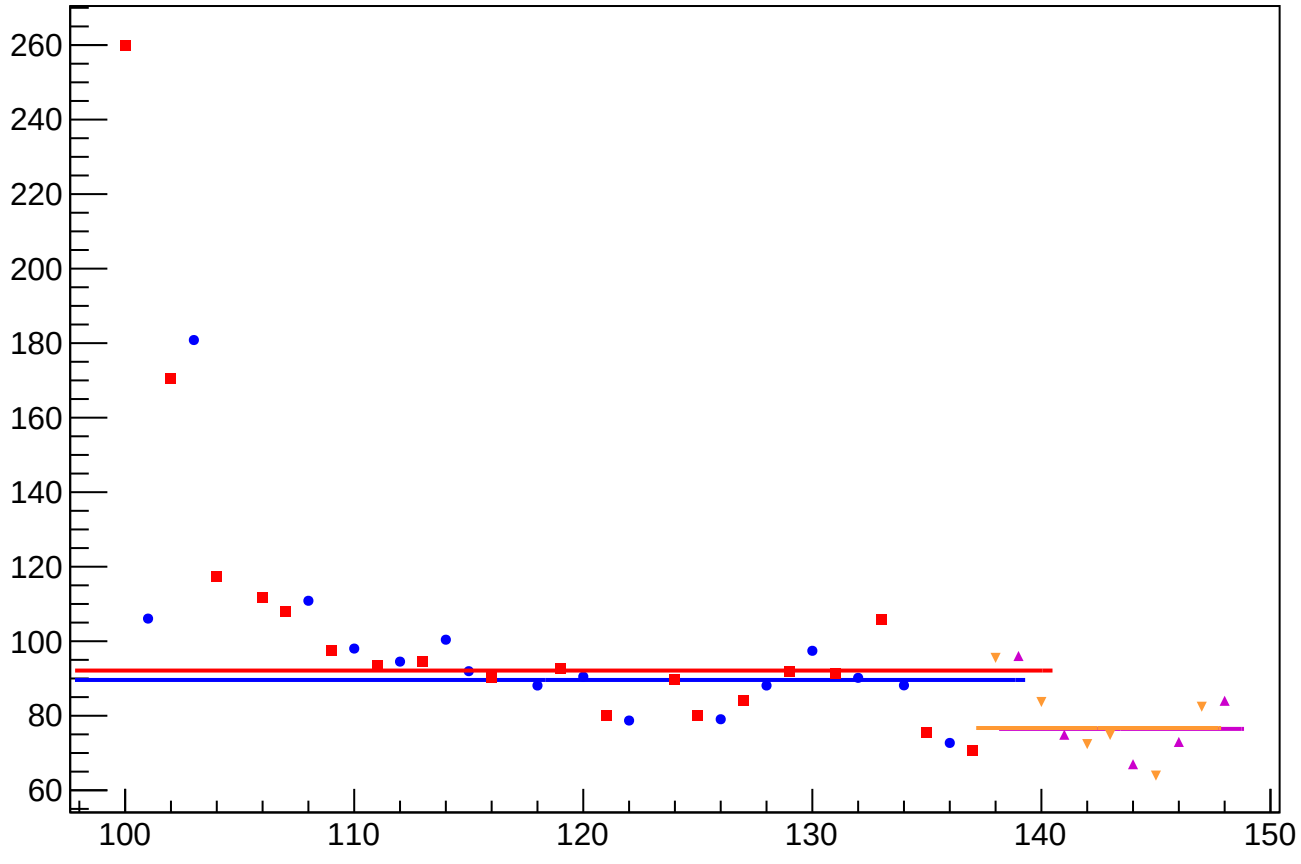
Left: 80.430+/-26.095 χ^2/NDF: 6.2/10

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 25.539+/-25.184 χ^2/NDF:23.3/20

Out: 84.010+/-25.284 χ^2/NDF:26.3/24

All: 54.658+/-17.843 χ^2/NDF: 52.2/45



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

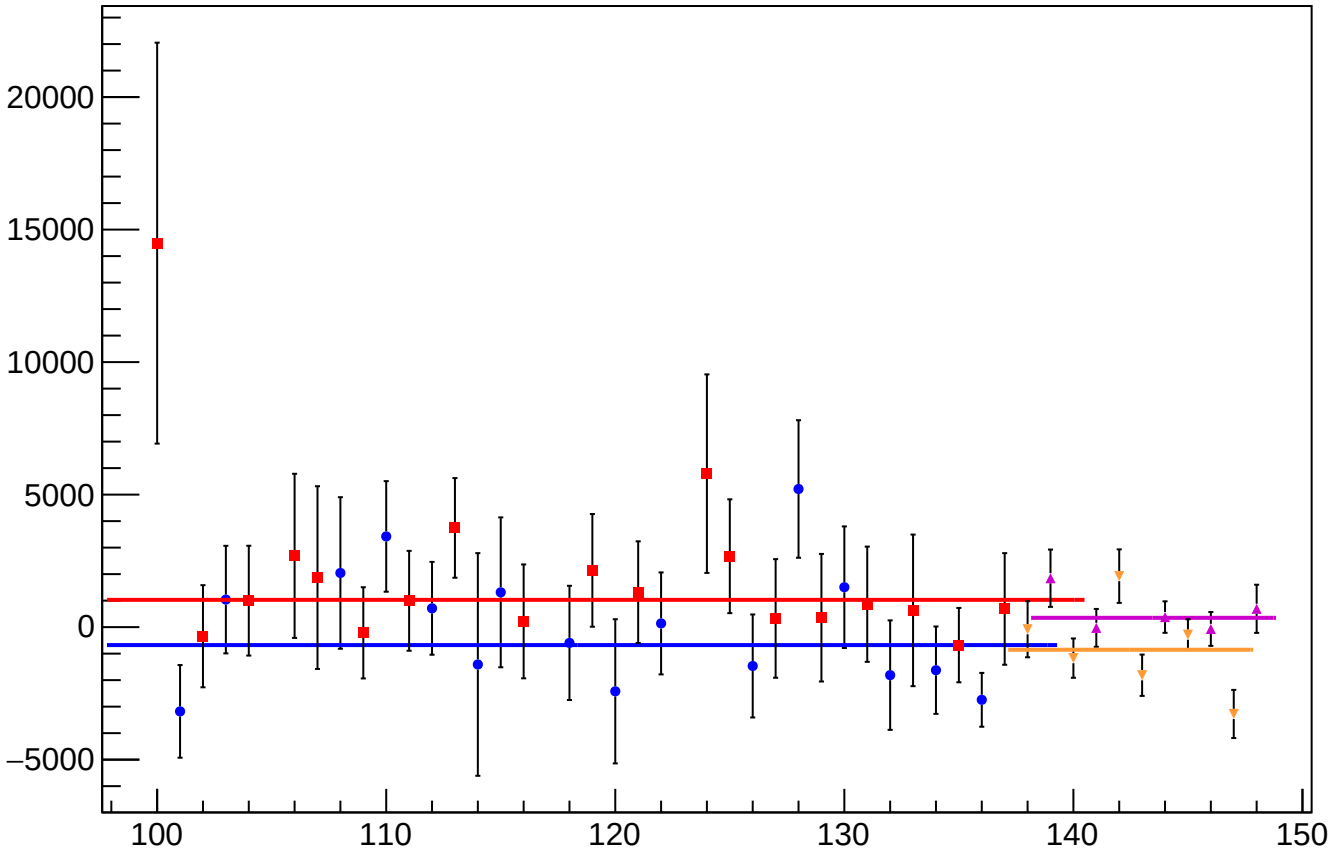
Left: 76.593+/-0.018 χ^2/NDF: 268812.7/10

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.557+/-0.018 χ^2/NDF:756750.9/20

Out: 84.811+/-0.018 χ^2/NDF:871259.1/24

All: 84.181+/-0.013 χ^2/NDF: 1630478.8/45



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 351.143+/-327.690 χ^2/NDF:2.8/4

Left: -257.346+/-230.541 χ^2/NDF: 27.5/10

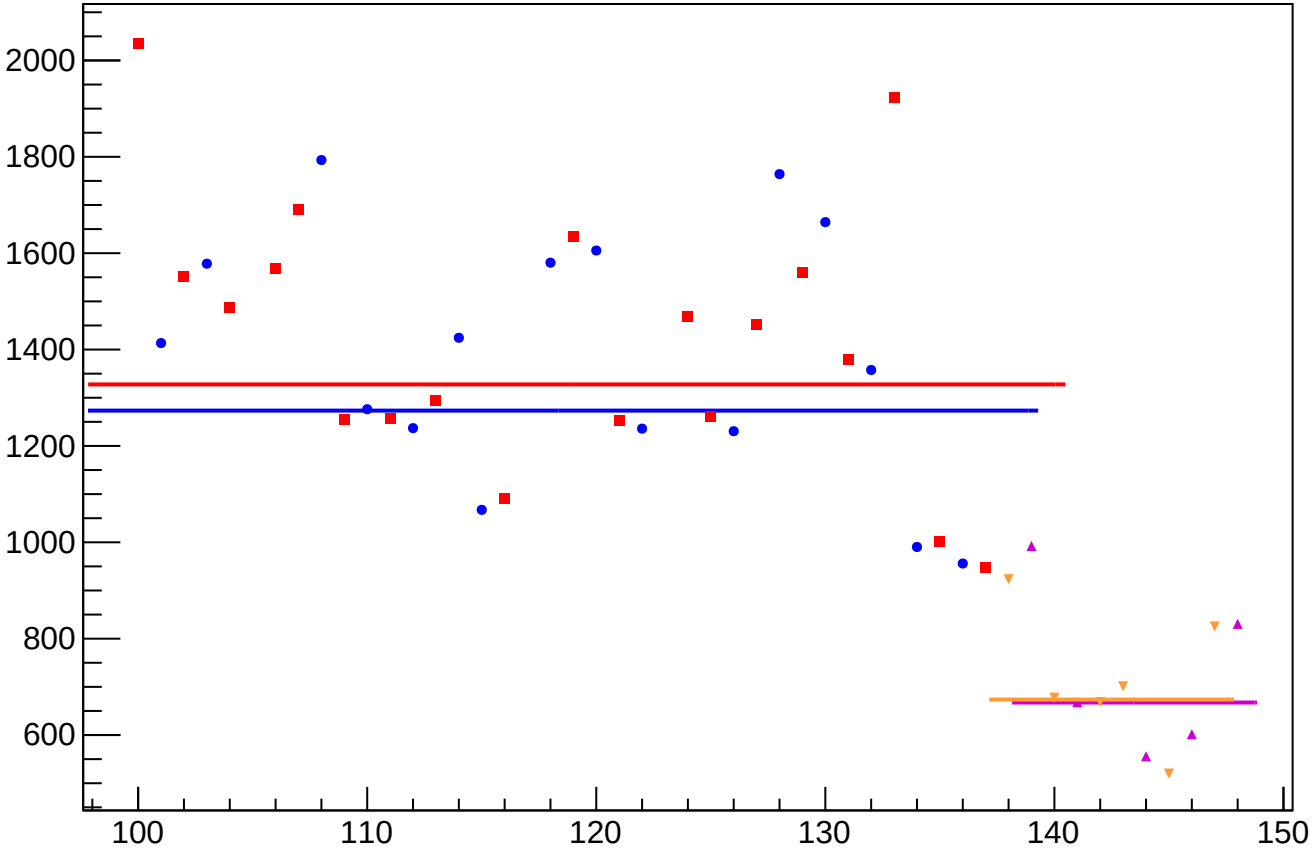
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 30.139+/-271.783 χ^2/NDF:26.1/20

Out: -291.124+/-271.658 χ^2/NDF:38.9/24

All: -130.567+/-192.135 χ^2/NDF: 65.7/45

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 673.641+/-0.229 χ^2/NDF:309116.1/5

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

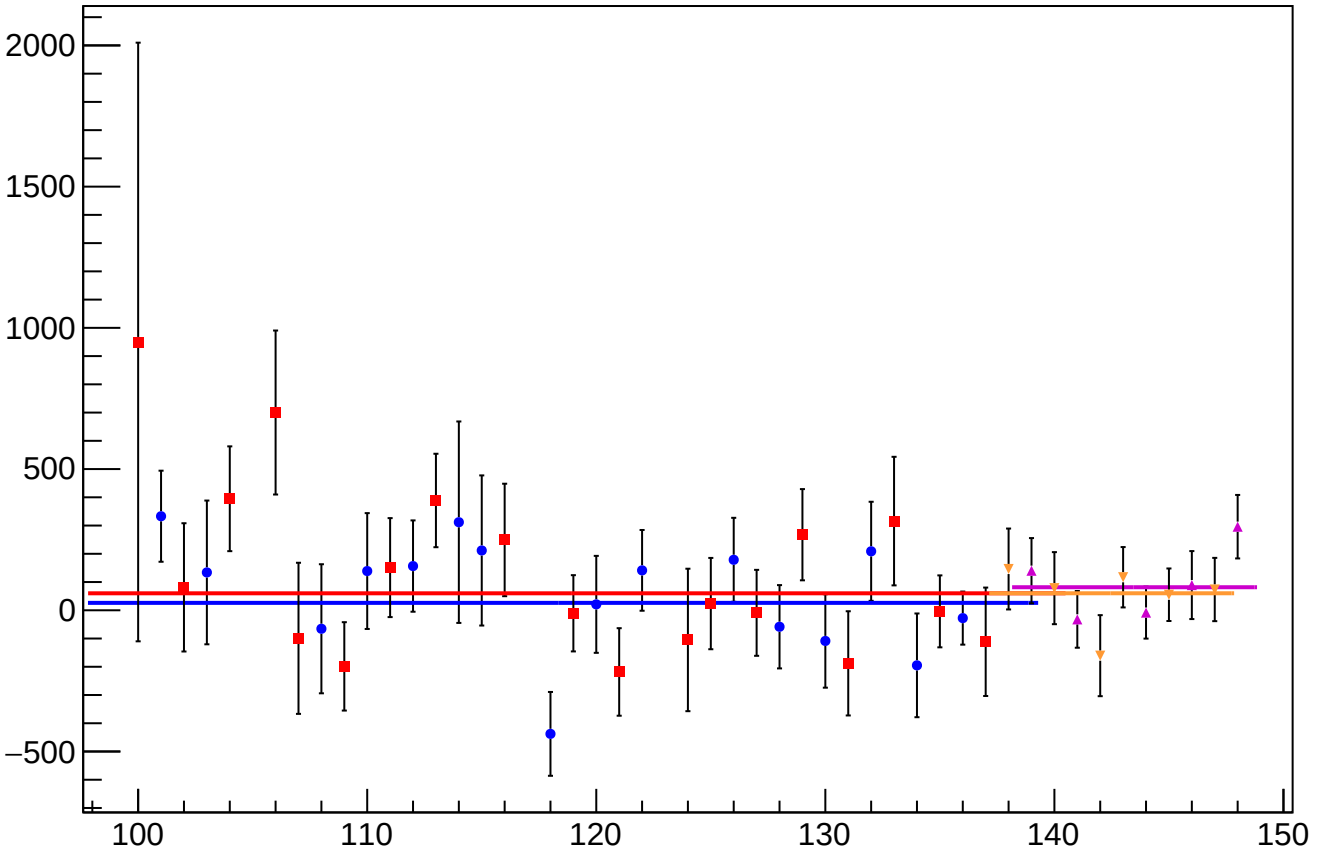
Left: 670.608+/-0.163 χ^2/NDF: 646360.5/10

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 856.596+/-0.192 χ^2/NDF:3067937.7/20

Out: 869.026+/-0.192 χ^2/NDF:3196127.9/24

All: 862.814+/-0.136 χ^2/NDF: 6266158.4/45



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 60.223+/-47.582 χ^2/NDF:3.1/5

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 81.602+/-47.669 χ^2/NDF:6.1/4

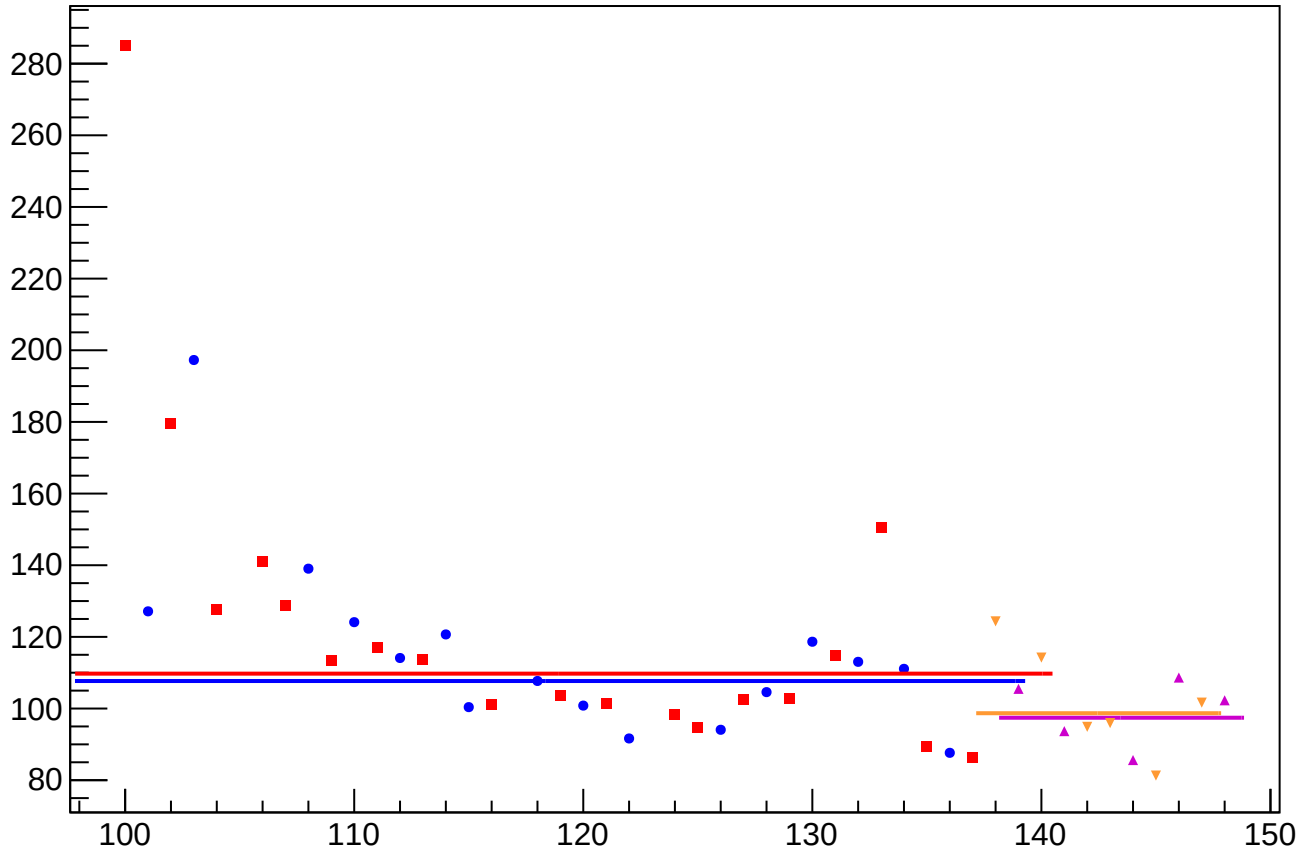
Left: 70.893+/-33.676 χ^2/NDF: 9.3/10

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 49.932+/-31.179 χ^2/NDF:28.3/20

Out: 60.164+/-31.288 χ^2/NDF:30.0/24

All: 55.030+/-22.085 χ^2/NDF: 58.4/45



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 98.694+/-0.034 χ^2/NDF:167927.8/5

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 97.434+/-0.034 χ^2/NDF:66510.6/4

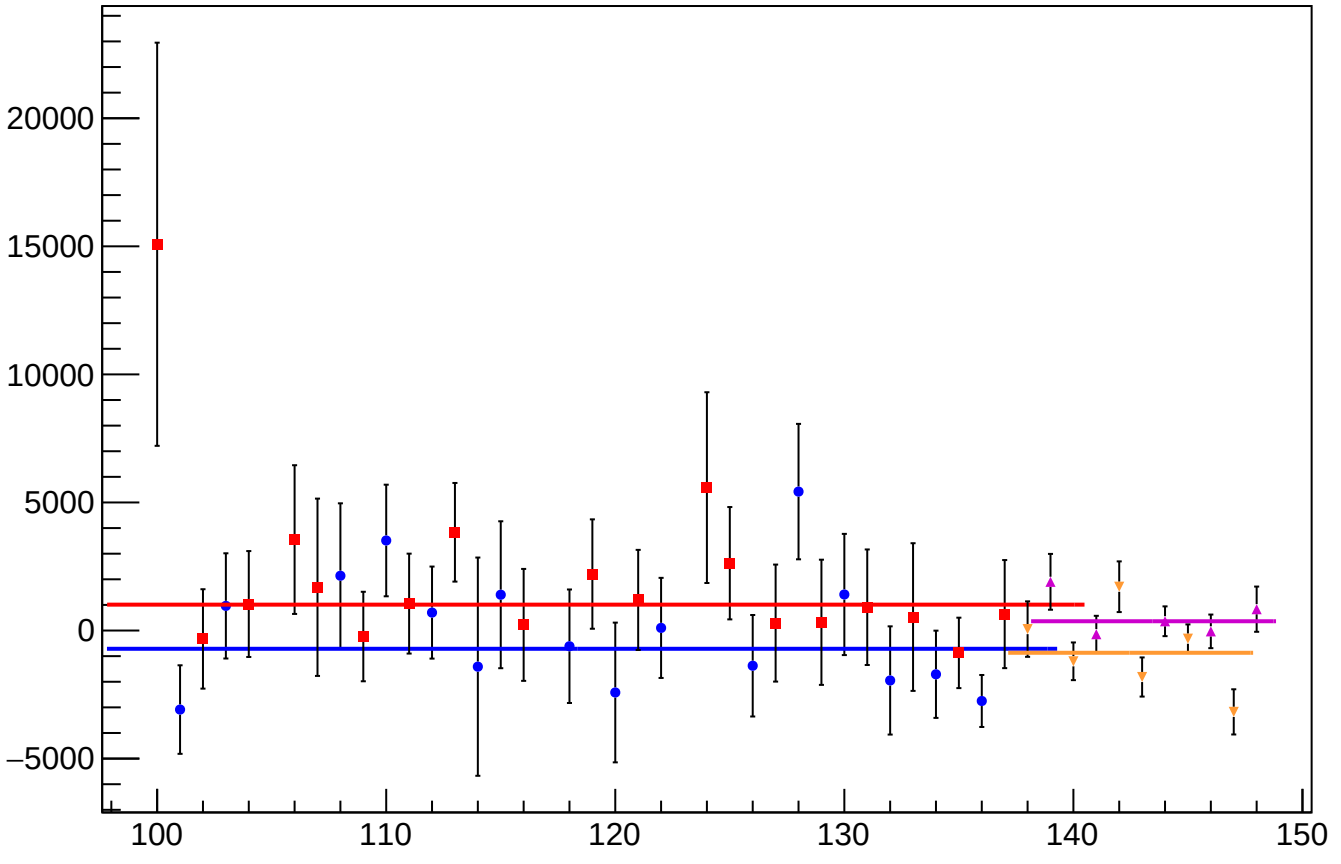
Left: 98.065+/-0.024 χ^2/NDF: 235138.2/10

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 103.296+/-0.022 χ^2/NDF:602499.9/20

Out: 104.964+/-0.022 χ^2/NDF:720888.6/24

All: 104.127+/-0.016 χ^2/NDF: 1326237.7/45



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -868.747+/-317.087 χ^2/NDF:17.1/5

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 362.462+/-326.947 χ^2/NDF:3.1/4

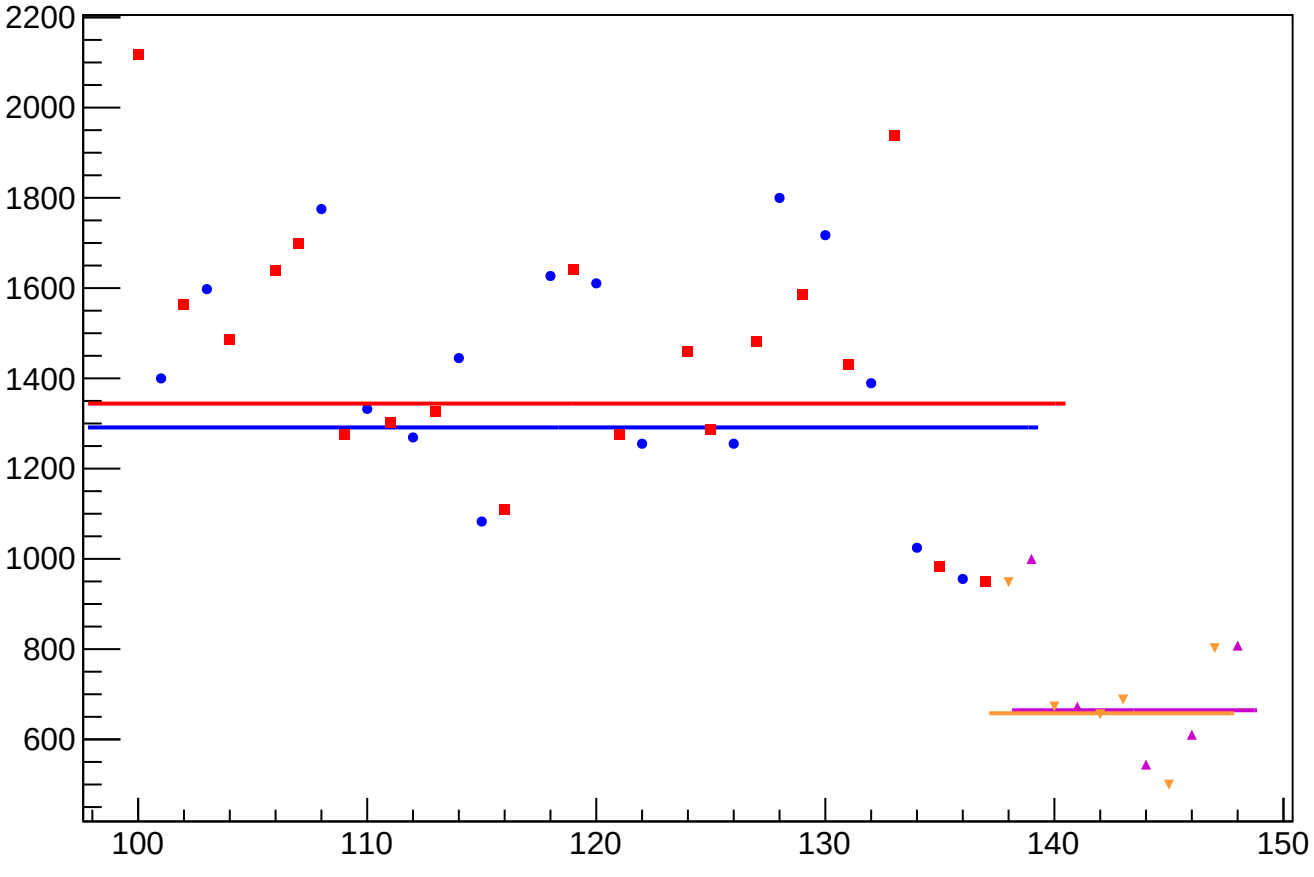
Left: -271.989+/-227.620 χ^2/NDF: 27.5/10

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 34.217+/-272.517 χ^2/NDF:26.5/20

Out: -331.827+/-267.990 χ^2/NDF:38.9/24

All: -151.871+/-191.078 χ^2/NDF: 66.3/45



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 657.877+/-0.224 χ^2/NDF:362683.2/5

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 664.520+/-0.231 χ^2/NDF:341705.8/4

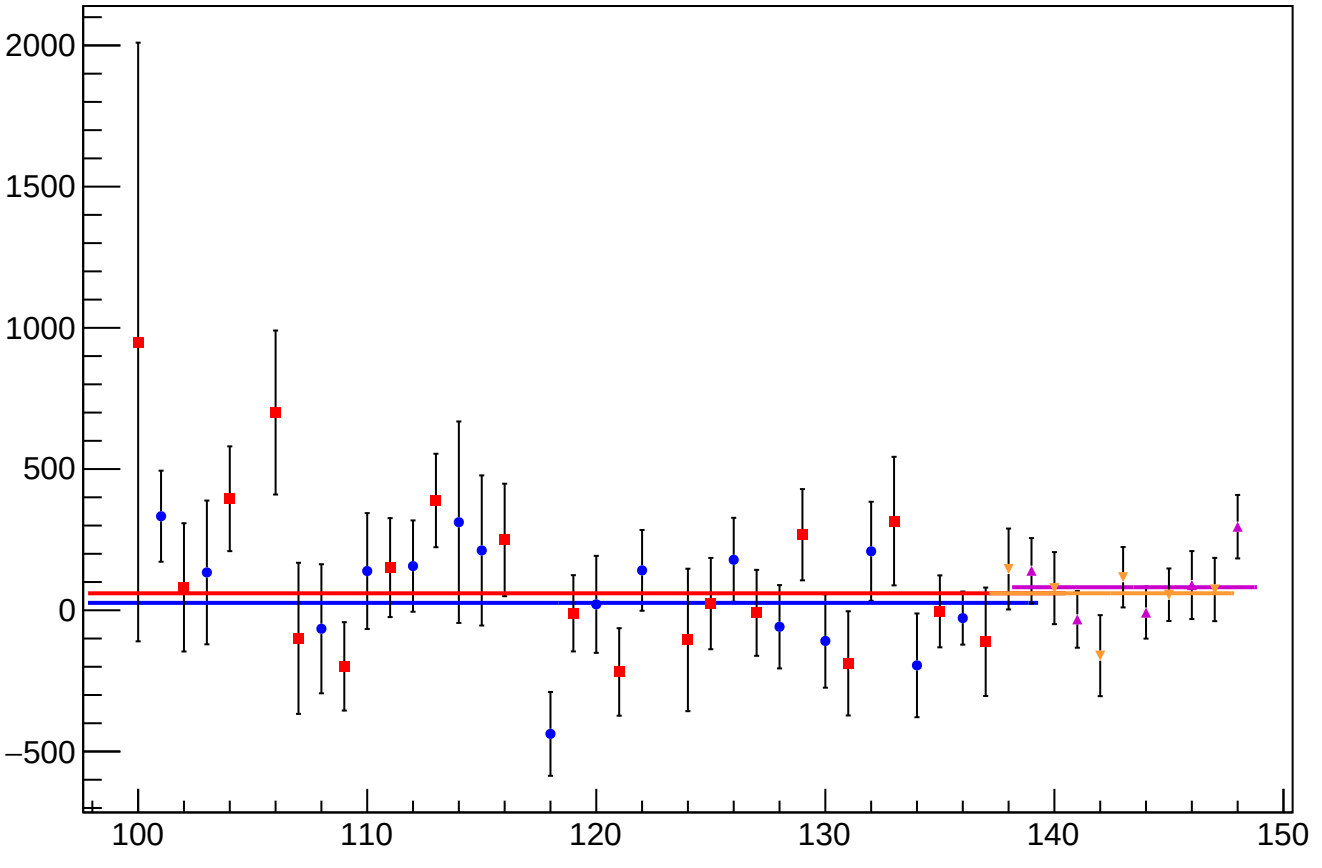
Left: 661.097+/-0.161 χ^2/NDF: 704814.5/10

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 855.818+/-0.193 χ^2/NDF:3195688.6/20

Out: 853.937+/-0.189 χ^2/NDF:3529978.1/24

All: 854.862+/-0.135 χ^2/NDF: 6725715.1/45



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 60.222+/-47.582 χ^2/NDF:3.1/5

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 81.602+/-47.669 χ^2/NDF:6.1/4

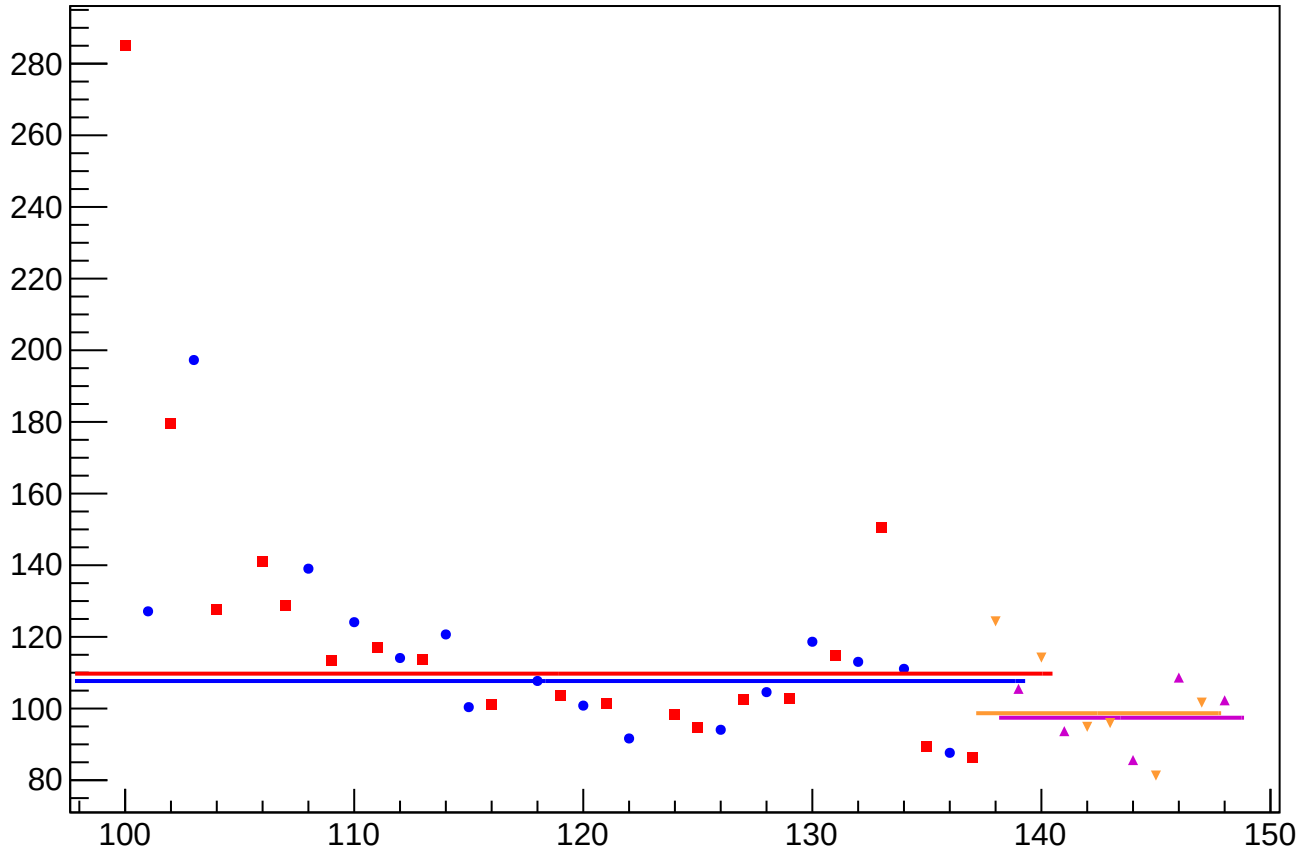
Left: 70.893+/-33.676 χ^2/NDF: 9.3/10

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 49.932+/-31.179 χ^2/NDF:28.3/20

Out: 60.163+/-31.287 χ^2/NDF:30.0/24

All: 55.030+/-22.085 χ^2/NDF: 58.4/45



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 98.695+/-0.034 χ^2/NDF:167914.3/5

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 97.435+/-0.034 χ^2/NDF:66508.5/4

Left: 98.066+/-0.024 χ^2/NDF: 235122.7/10

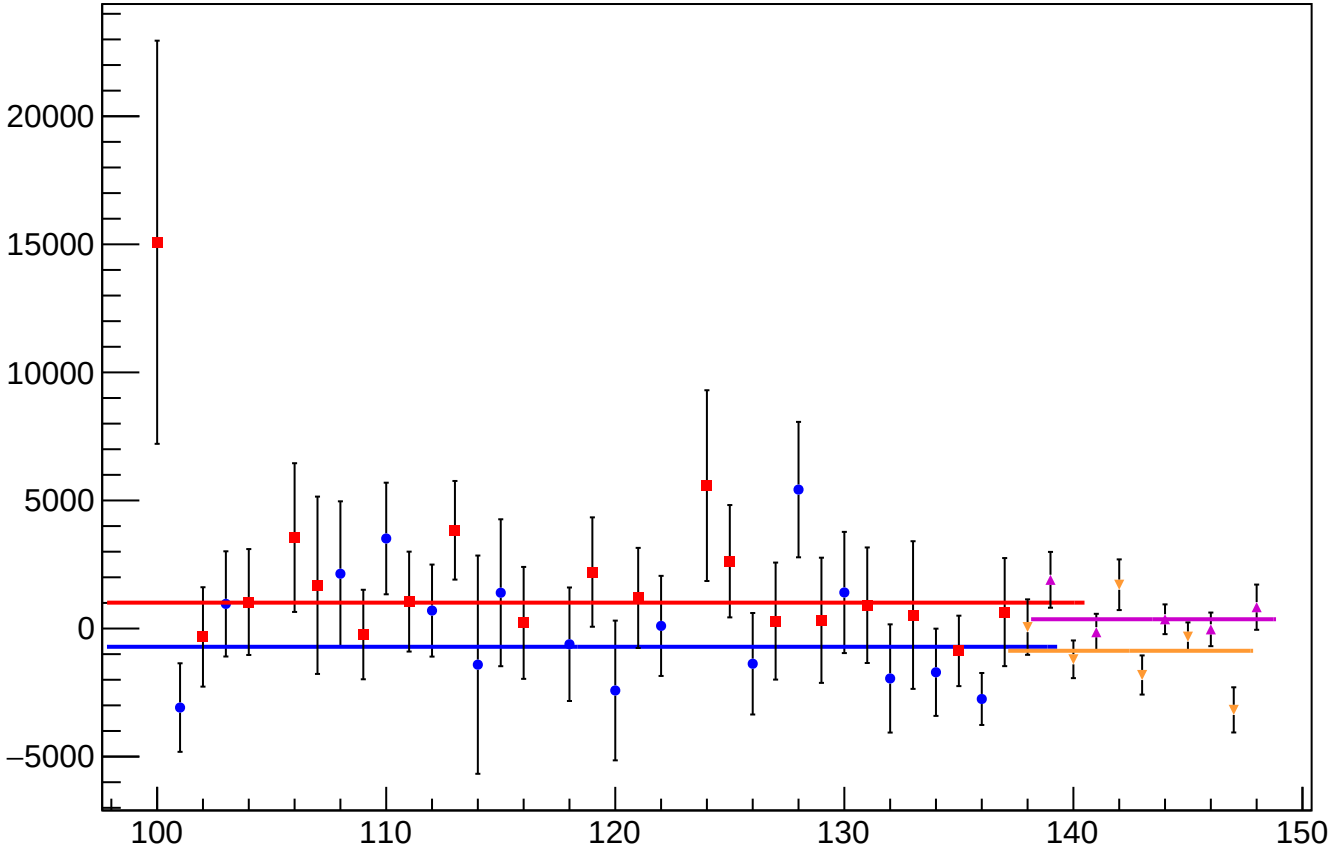
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 103.296+/-0.022 χ^2/NDF:602473.2/20

Out: 104.964+/-0.022 χ^2/NDF:720859.9/24

All: 104.127+/-0.016 χ^2/NDF: 1326182.7/45

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: -868.748+/-317.086 χ^2/NDF:17.1/5

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 362.462+/-326.947 χ^2/NDF:3.1/4

Left: -271.990+/-227.620 χ^2/NDF: 27.5/10

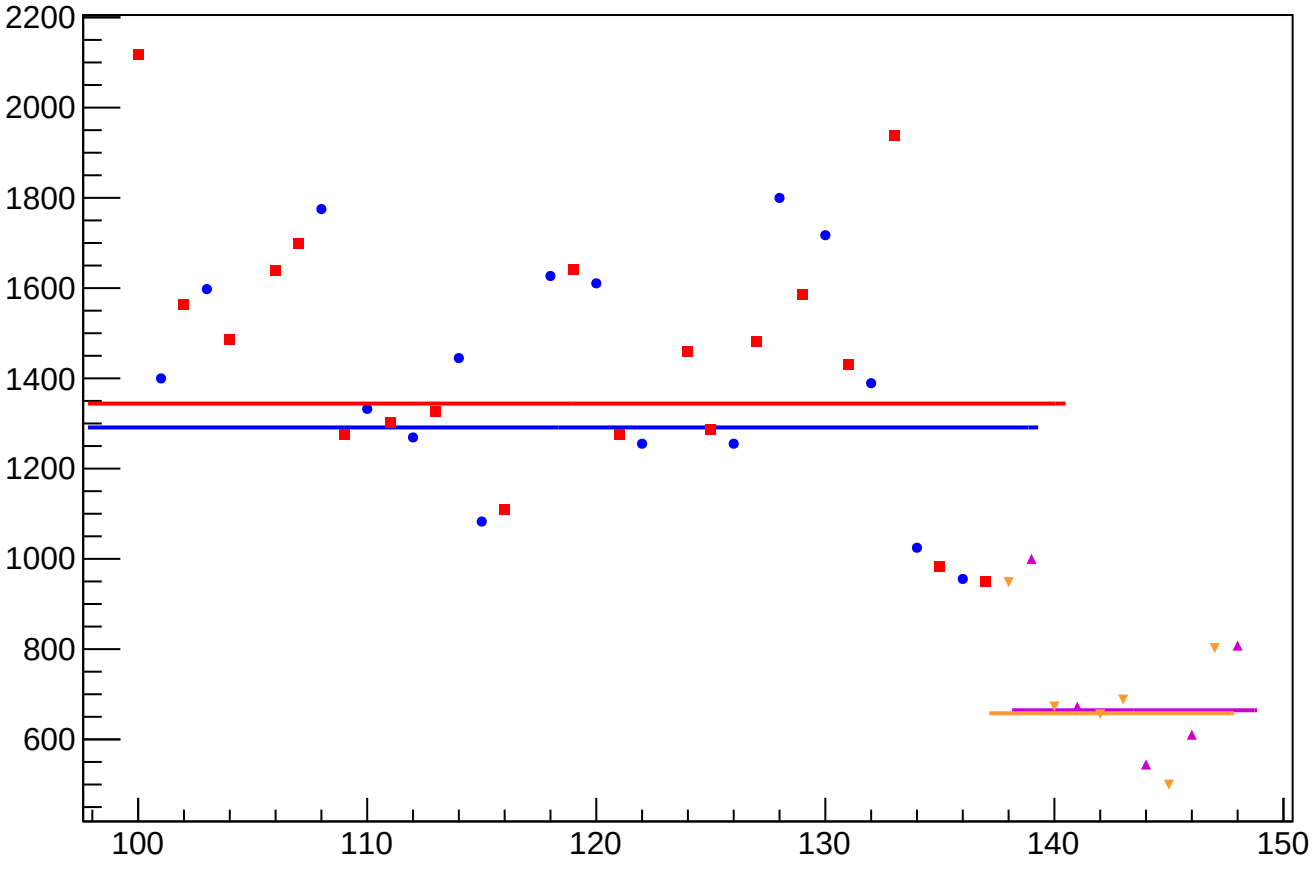
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 34.218+/-272.517 χ^2/NDF:26.5/20

Out: -331.828+/-267.989 χ^2/NDF:38.9/24

All: -151.871+/-191.077 χ^2/NDF: 66.3/45

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 657.875+/-0.224 χ^2/NDF:362686.0/5

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 664.519+/-0.231 χ^2/NDF:341704.7/4

Left: 661.095+/-0.161 χ^2/NDF: 704816.4/10

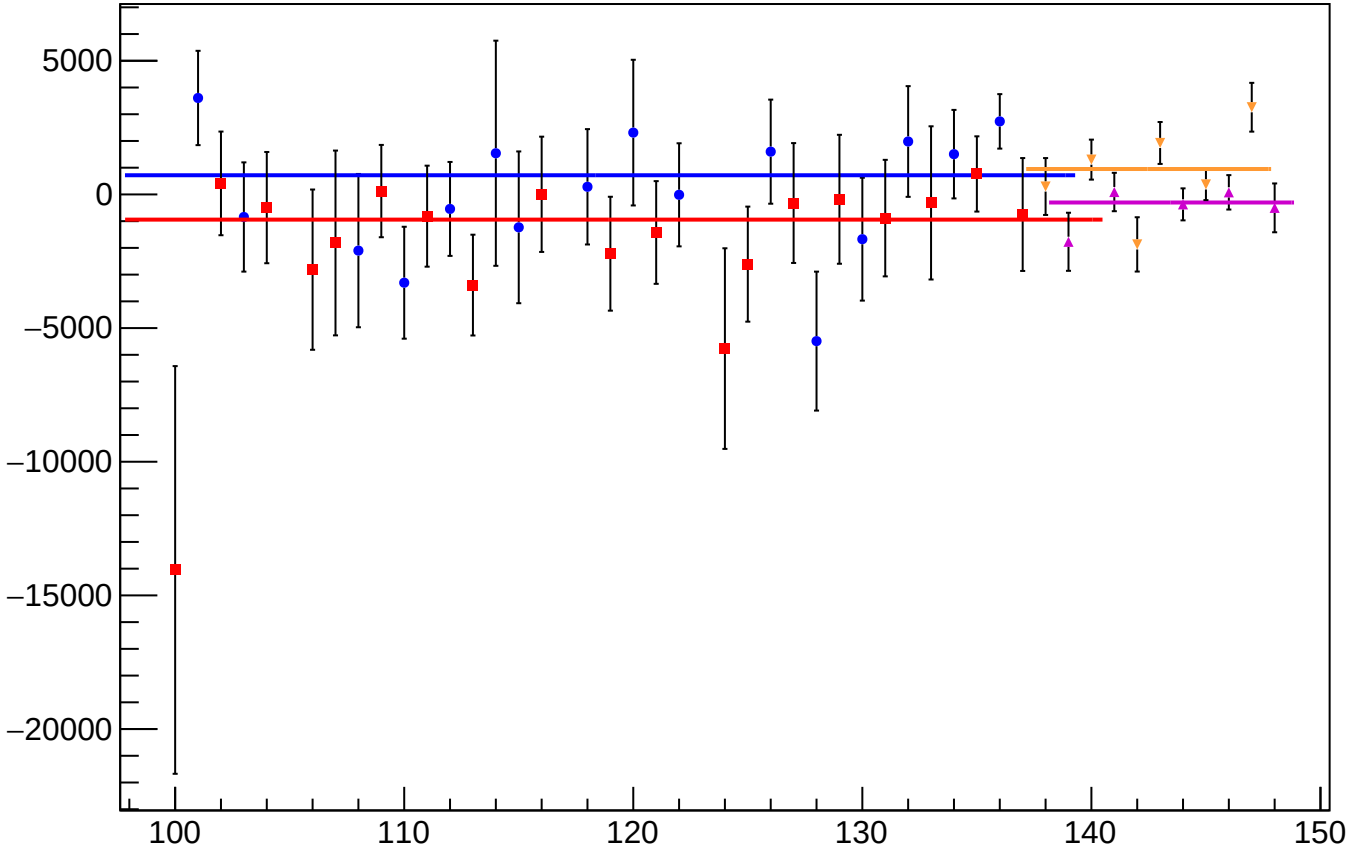
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 855.817+/-0.193 χ^2/NDF:3195681.1/20

Out: 853.935+/-0.189 χ^2/NDF:3529982.9/24

All: 854.860+/-0.135 χ^2/NDF: 6725712.5/45

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 951.044+/-326.600 χ^2/NDF:17.2/5

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -302.148+/-329.942 χ^2/NDF:2.5/4

Left: 330.825+/-232.114 χ^2/NDF: 27.1/10

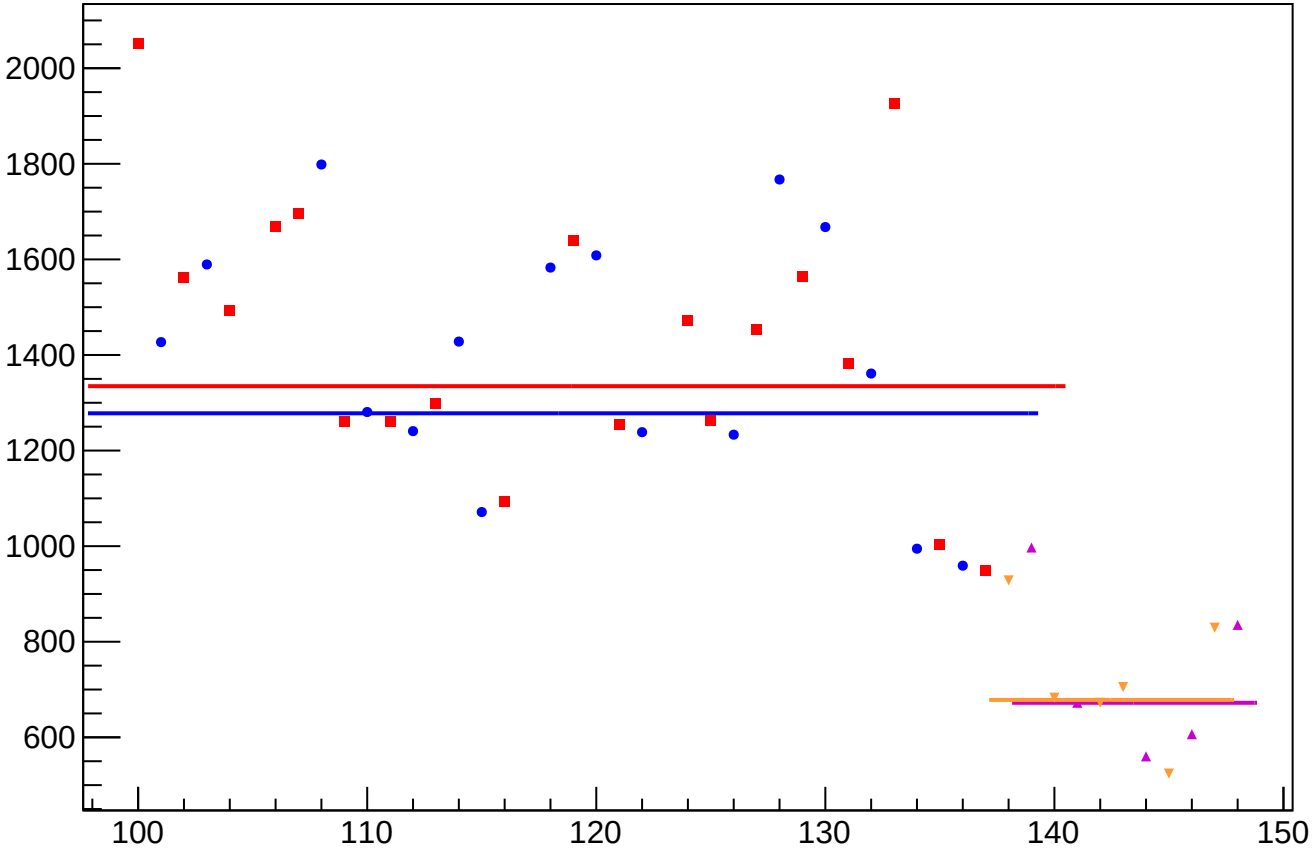
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 17.555+/-273.373 χ^2/NDF:26.5/20

Out: 381.700+/-273.115 χ^2/NDF:37.9/24

All: 199.799+/-193.213 χ^2/NDF: 65.3/45

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 678.321+/-0.231 χ^2/NDF:306023.9/5

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 672.249+/-0.233 χ^2/NDF:333603.3/4

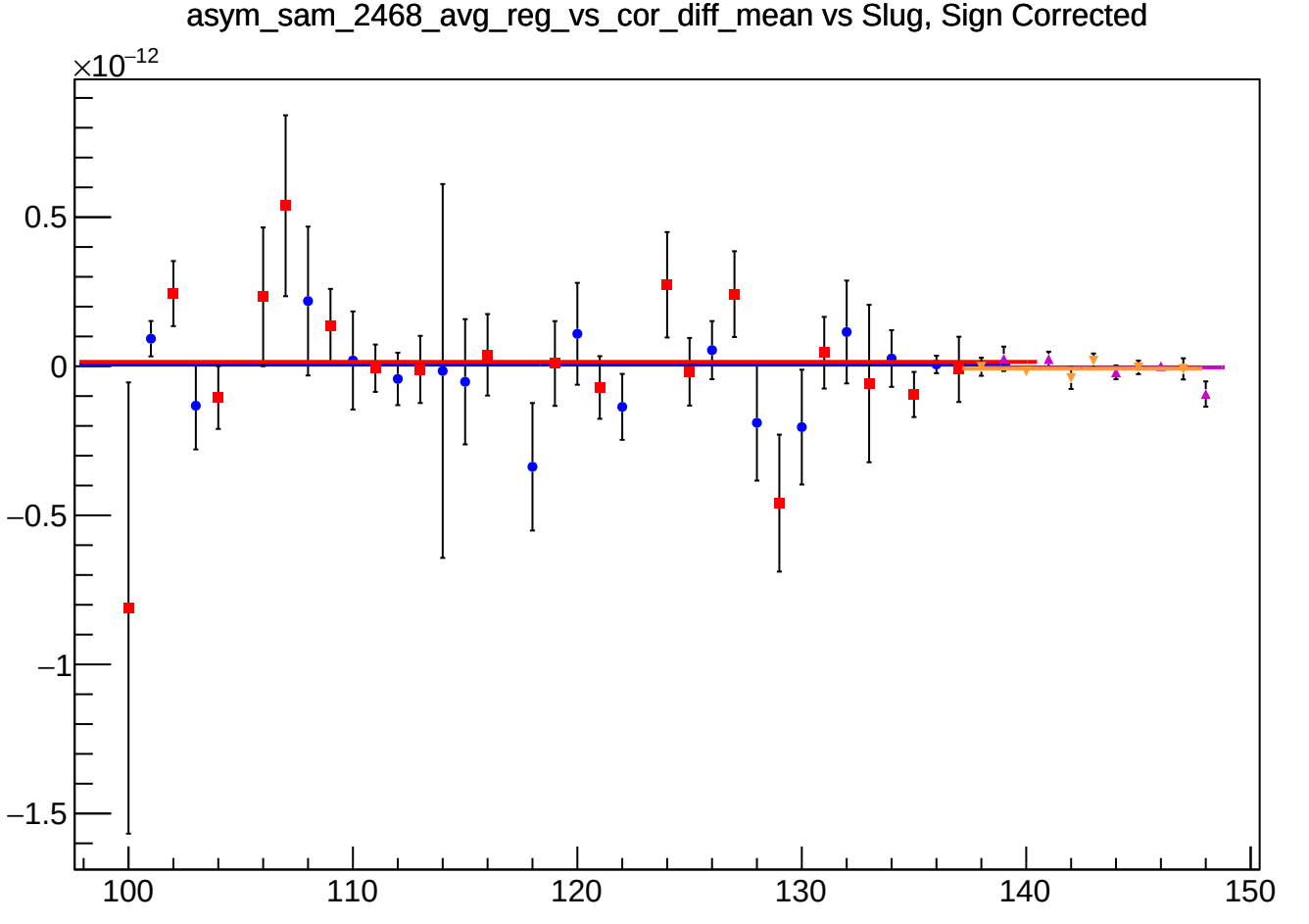
Left: 675.316+/-0.164 χ^2/NDF: 639969.3/10

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 862.149+/-0.193 χ^2/NDF:3044568.0/20

Out: 875.721+/-0.193 χ^2/NDF:3207602.0/24

All: 868.941+/-0.137 χ^2/NDF: 6254637.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/4

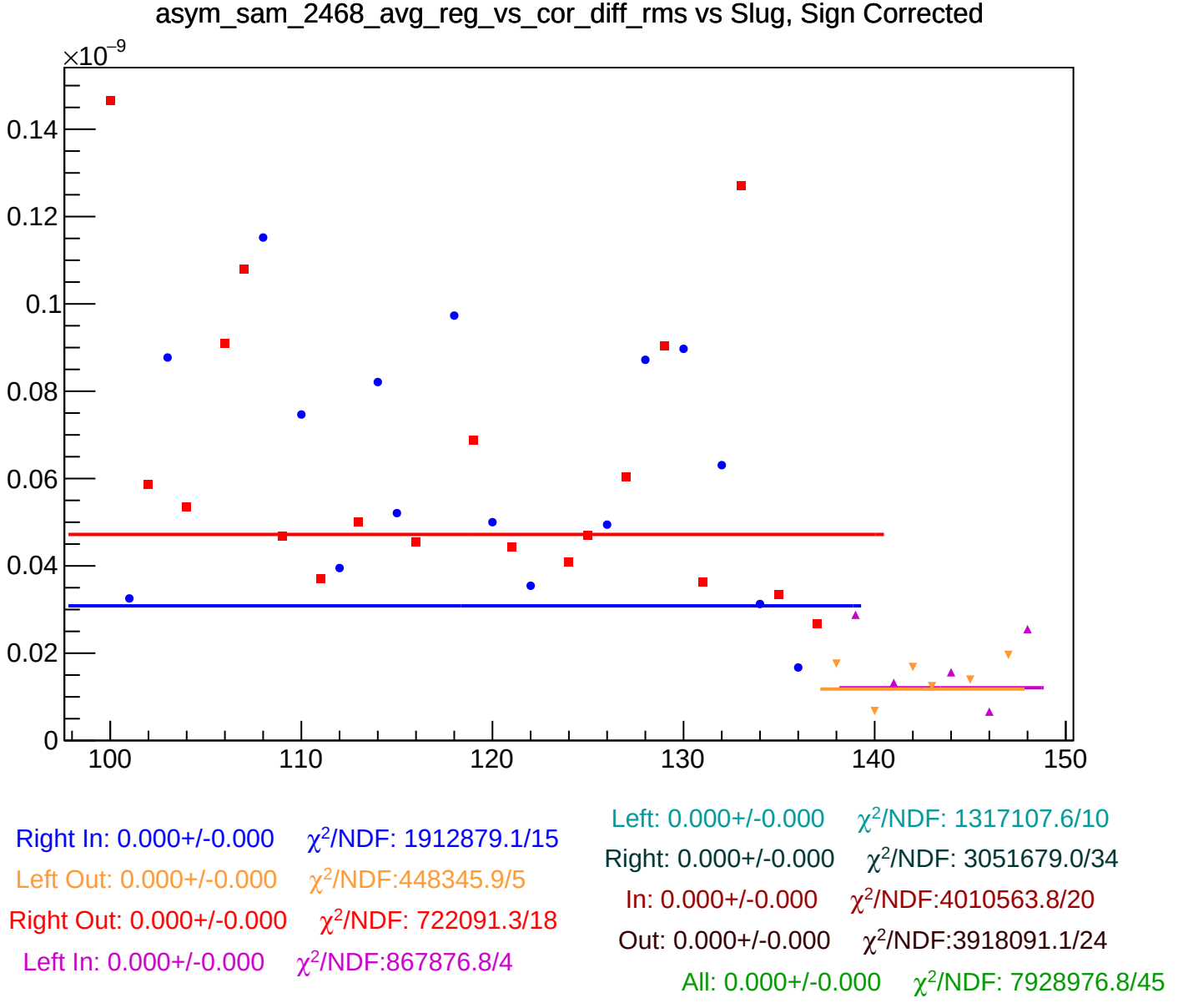
Left: -0.000+/-0.000 χ^2/NDF: 9.3/10

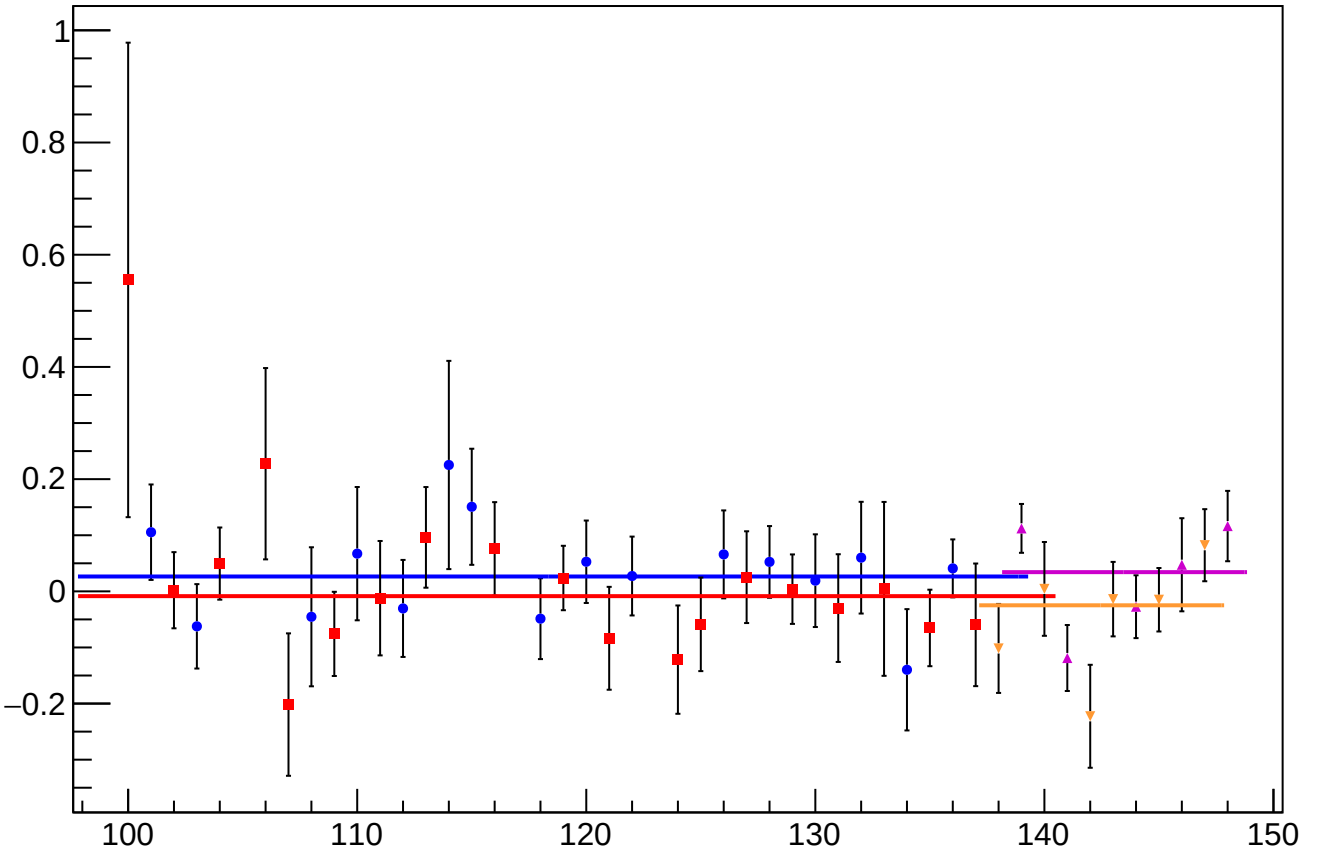
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:18.6/20

Out: -0.000+/-0.000 χ^2/NDF:26.8/24

All: -0.000+/-0.000 χ^2/NDF: 45.5/45


asym_sam_2468_avg_reg_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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:448345.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:867876.8/4
Left: 0.000+/-0.000 χ²/NDF: 1317107.6/10
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4010563.8/20
Out: 0.000+/-0.000 χ²/NDF:3918091.1/24
All: 0.000+/-0.000 χ²/NDF: 7928976.8/45



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

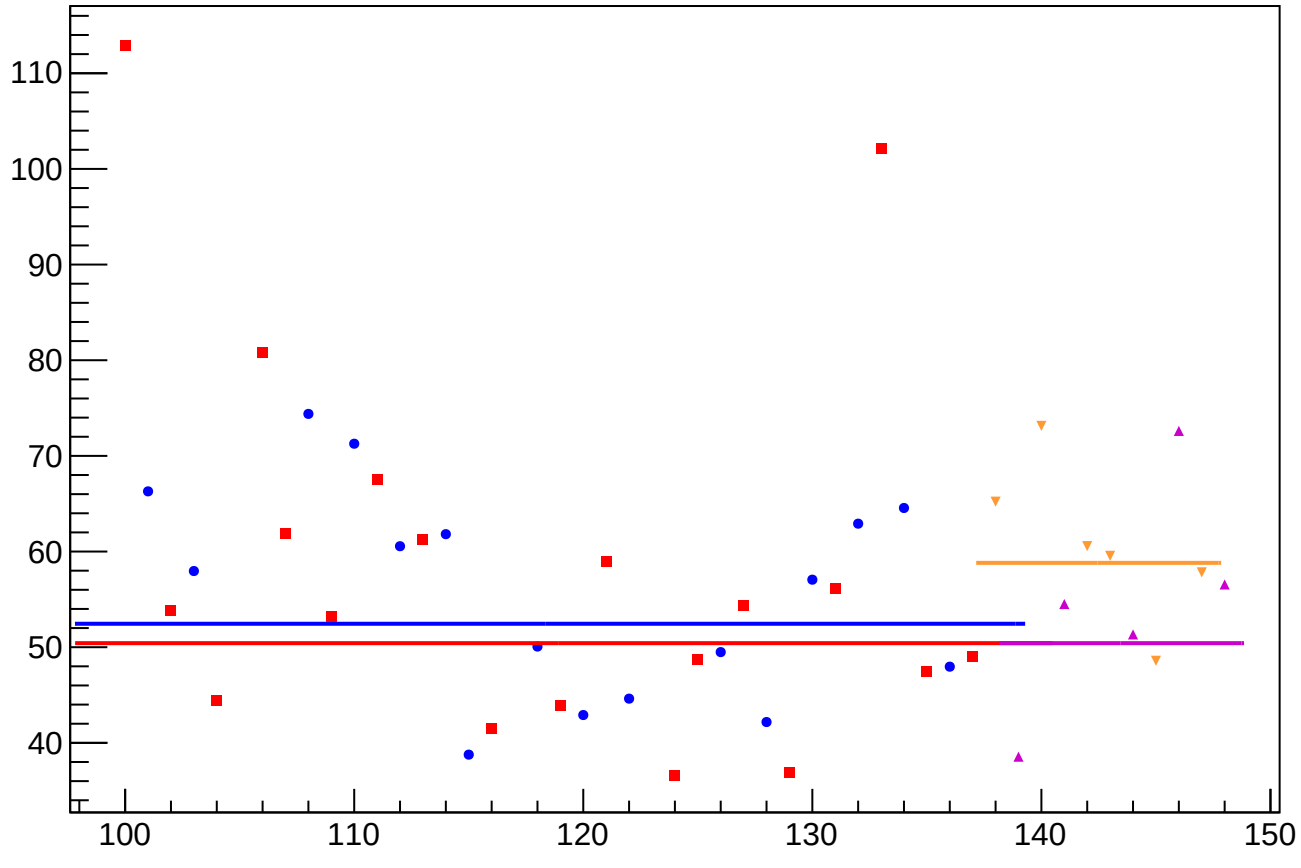
Left: 0.008+/-0.019 χ^2/NDF: 23.8/10

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.008+/-0.011 χ^2/NDF: 49.3/45



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.818+/-0.020 χ^2/NDF:138642.5/5

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.424+/-0.018 χ^2/NDF:320903.8/4

Left: 54.111+/-0.014 χ^2/NDF: 554584.4/10

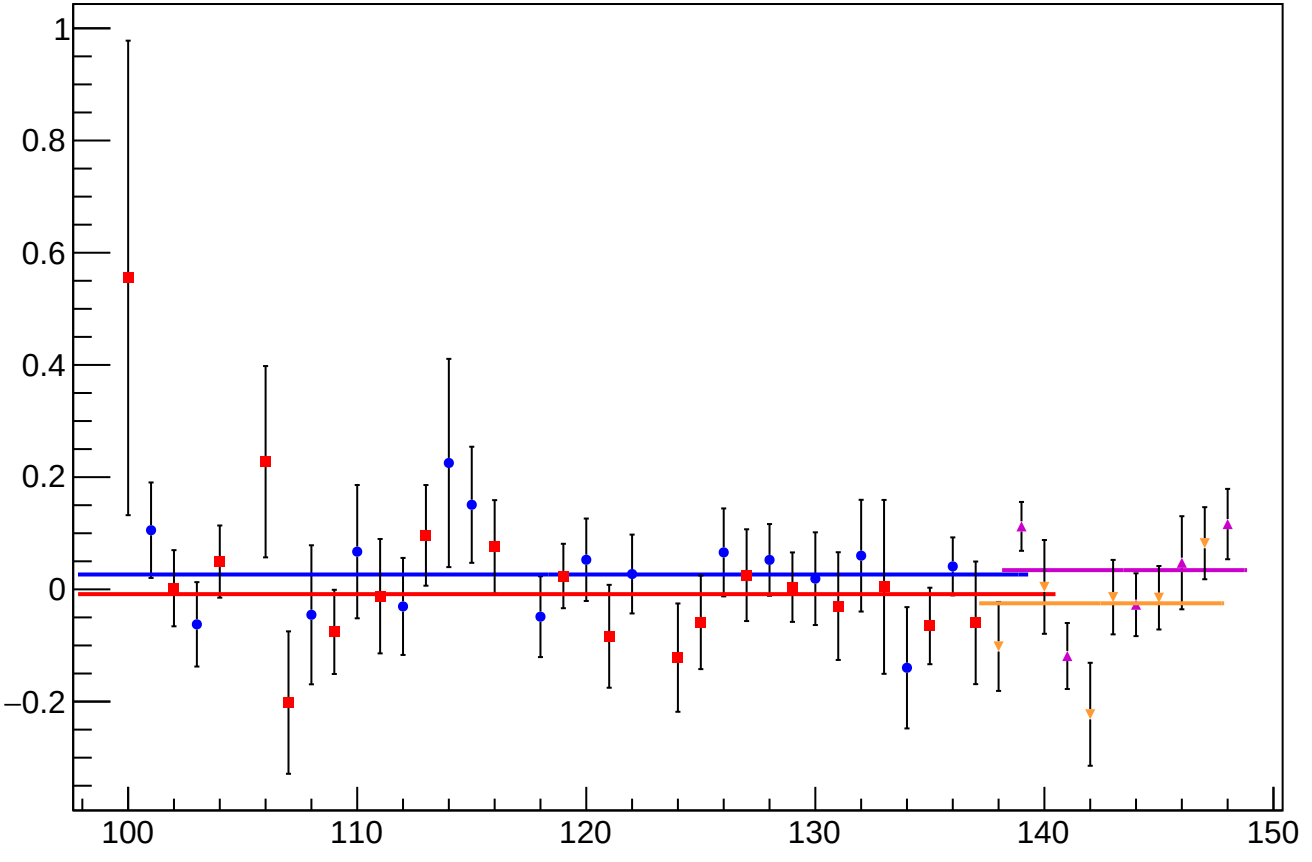
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.661+/-0.011 χ^2/NDF:746617.4/20

Out: 53.053+/-0.011 χ^2/NDF:931799.4/24

All: 52.348+/-0.008 χ^2/NDF: 1685957.8/45

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: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

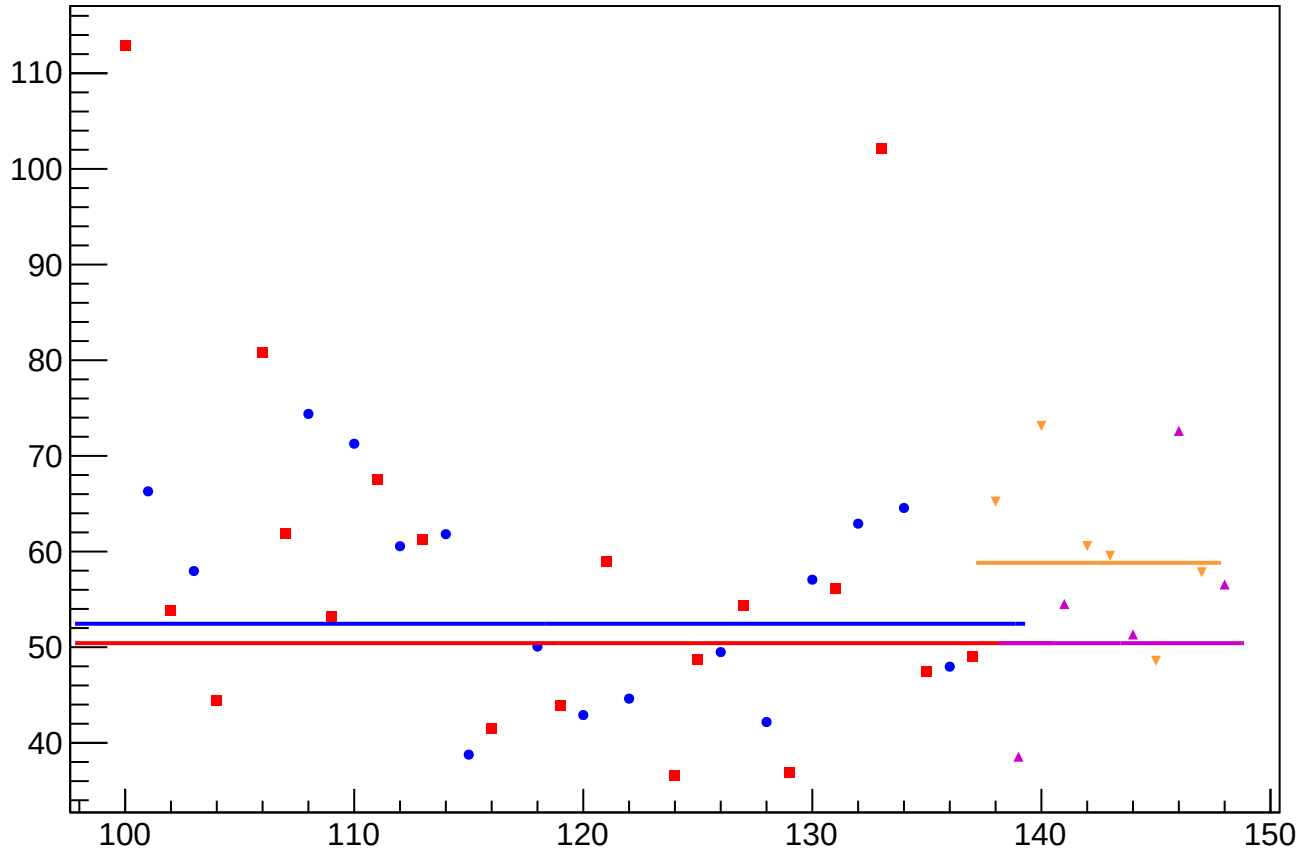
Left: 0.008+/-0.019 χ^2/NDF: 23.8/10

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.008+/-0.011 χ^2/NDF: 49.3/45



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.818+/-0.020 χ^2/NDF:138642.5/5

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.424+/-0.018 χ^2/NDF:320903.8/4

Left: 54.111+/-0.014 χ^2/NDF: 554584.4/10

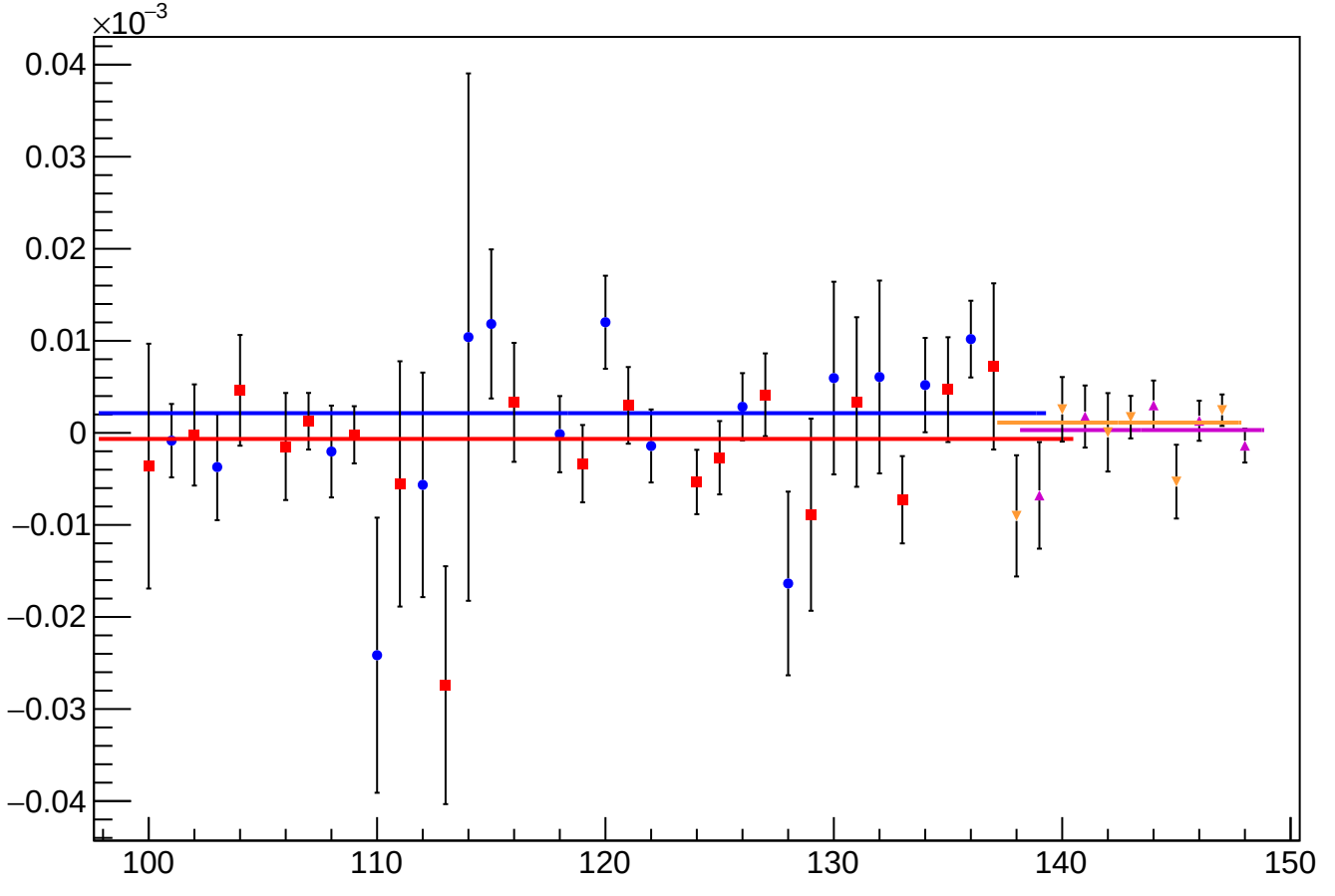
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.661+/-0.011 χ^2/NDF:746617.4/20

Out: 53.053+/-0.011 χ^2/NDF:931799.4/24

All: 52.348+/-0.008 χ^2/NDF: 1685957.8/45

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/4

Left: 0.000+/-0.000 χ^2/NDF: 9.9/10

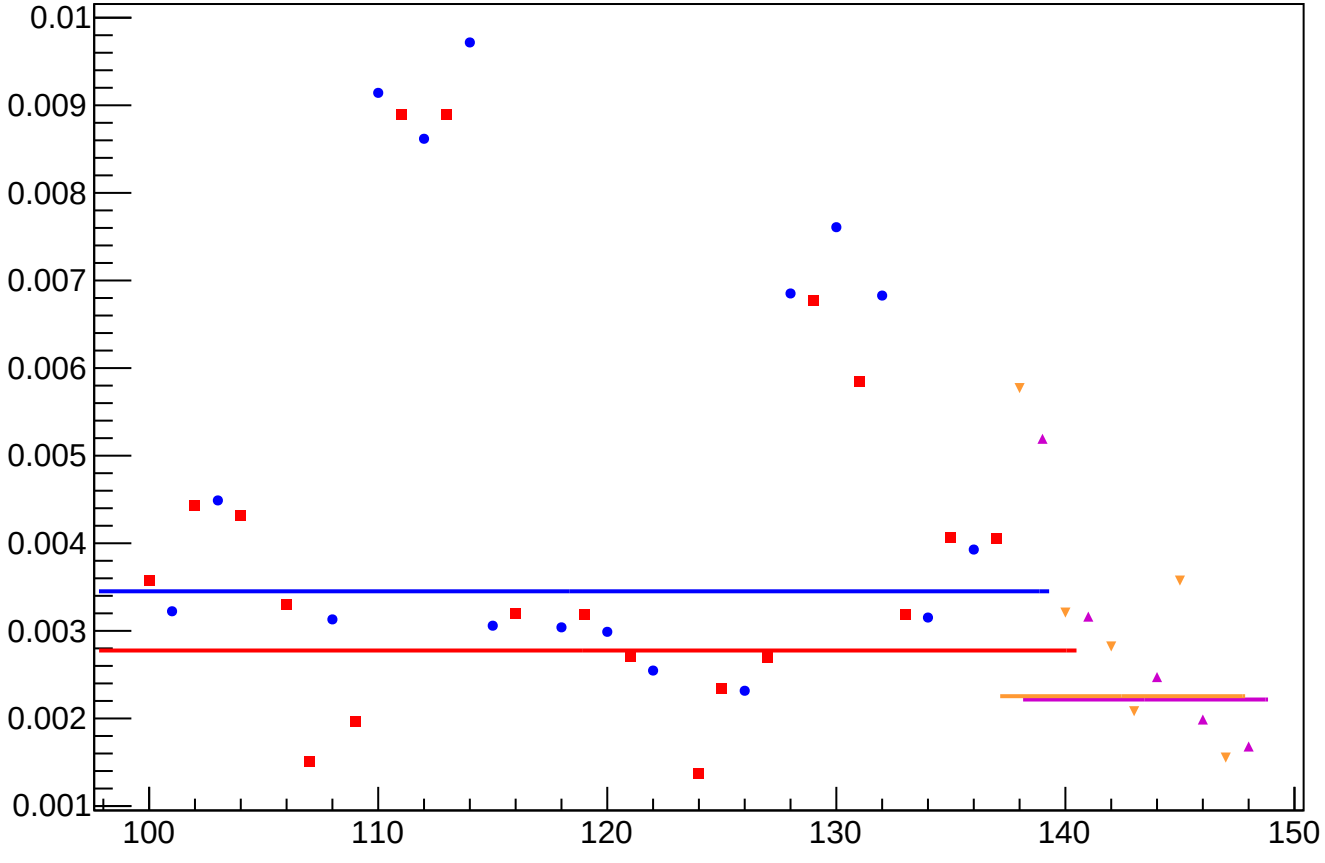
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:24.9/20

Out: 0.000+/-0.000 χ^2/NDF:21.9/24

All: 0.000+/-0.000 χ^2/NDF: 47.2/45

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: 0.002+/-0.000 χ^2/NDF:1318698.4/5

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:897656.1/4

Left: 0.002+/-0.000 χ^2/NDF: 2217449.2/10

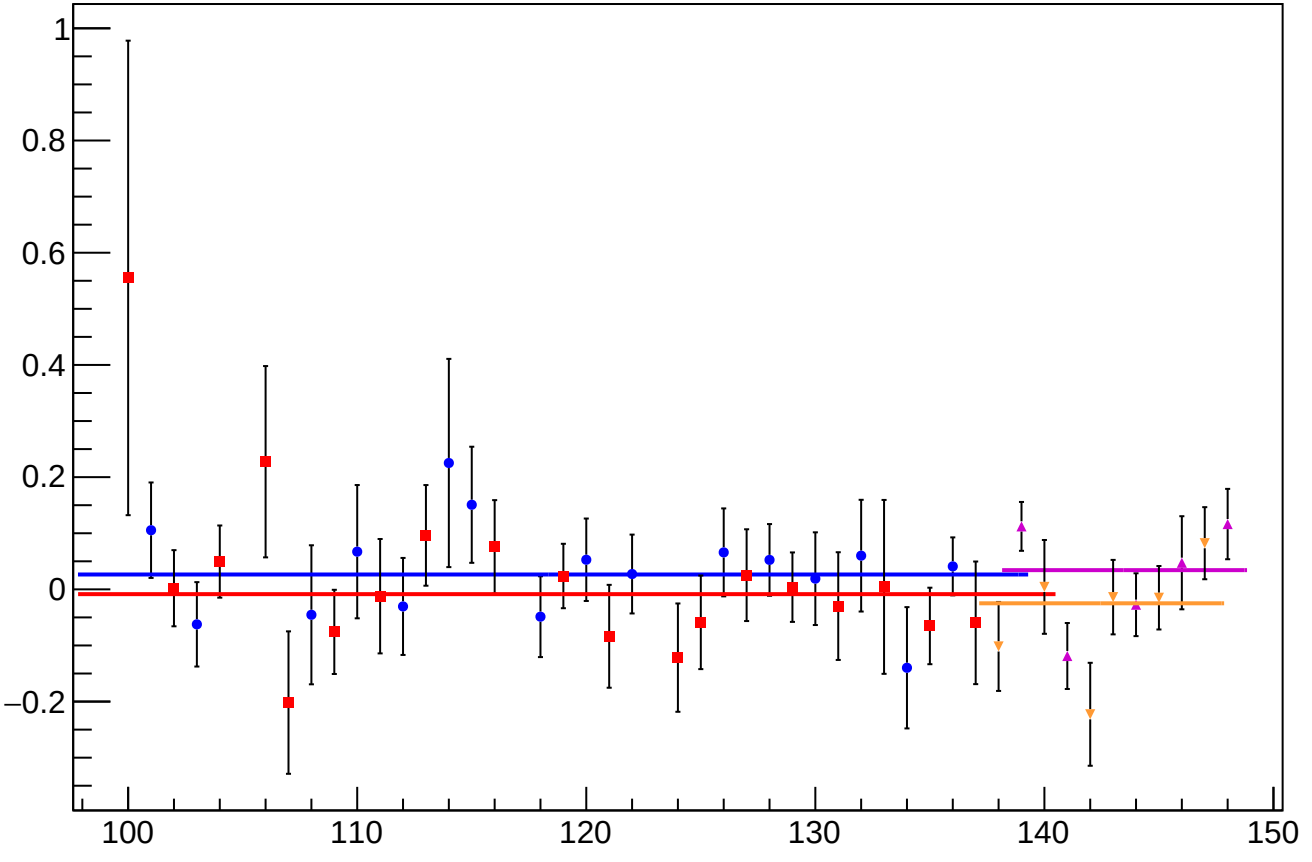
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:3794086.9/20

Out: 0.003+/-0.000 χ^2/NDF:4258966.8/24

All: 0.003+/-0.000 χ^2/NDF: 8109015.4/45

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

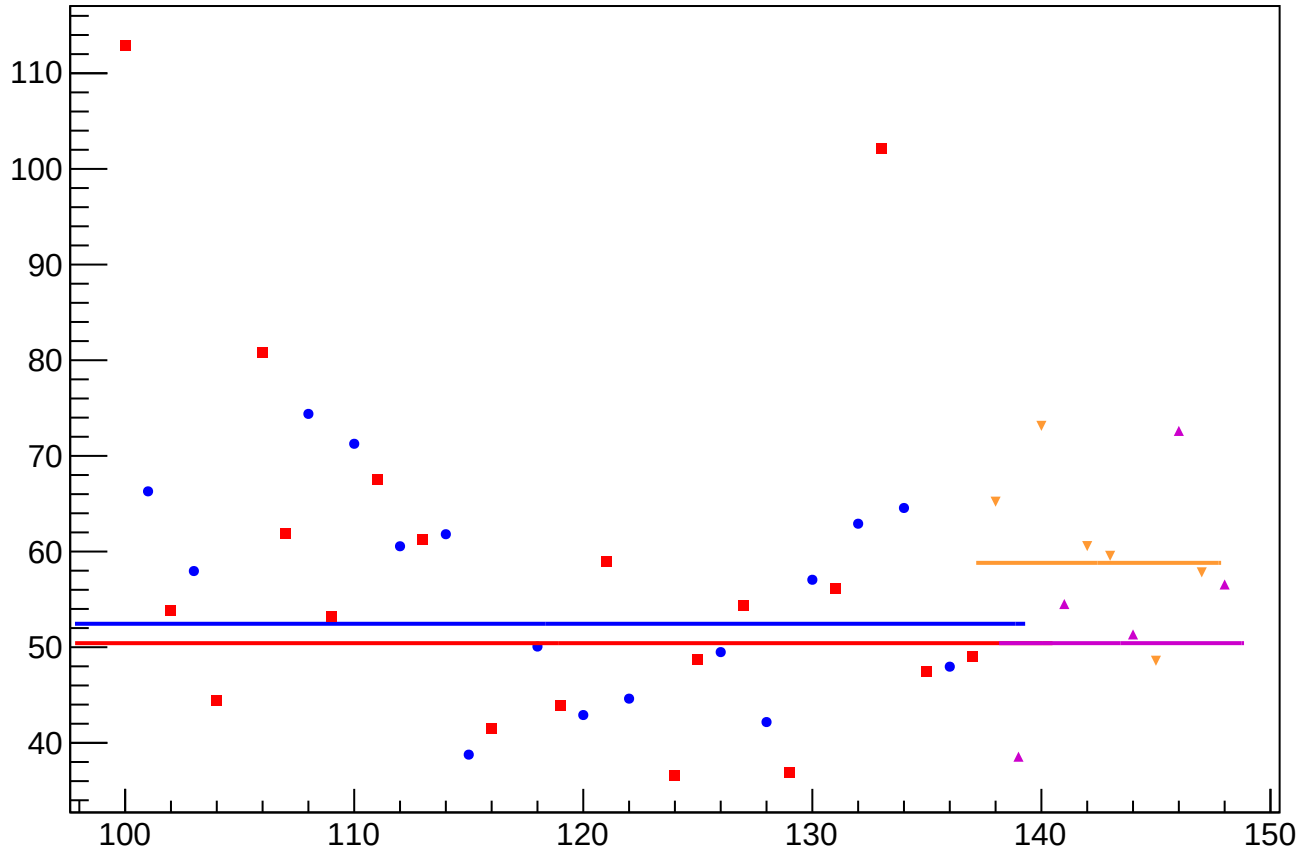
Left: 0.008+/-0.019 χ^2/NDF: 23.8/10

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.008+/-0.011 χ^2/NDF: 49.3/45



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

Left: 54.111+/-0.014 χ^2/NDF: 554612.0/10

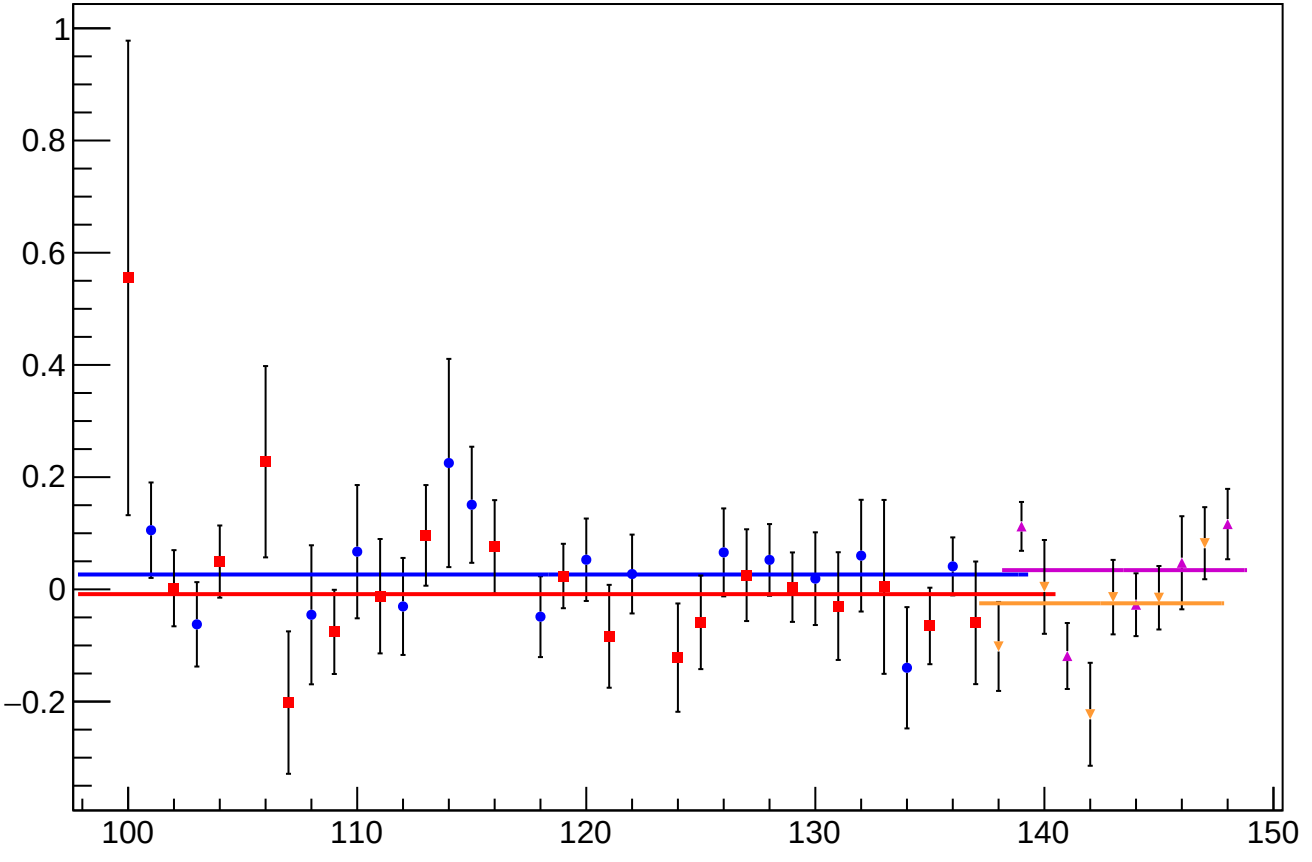
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.660+/-0.011 χ^2/NDF:746605.2/20

Out: 53.053+/-0.011 χ^2/NDF:931823.5/24

All: 52.347+/-0.008 χ^2/NDF: 1685970.4/45

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: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

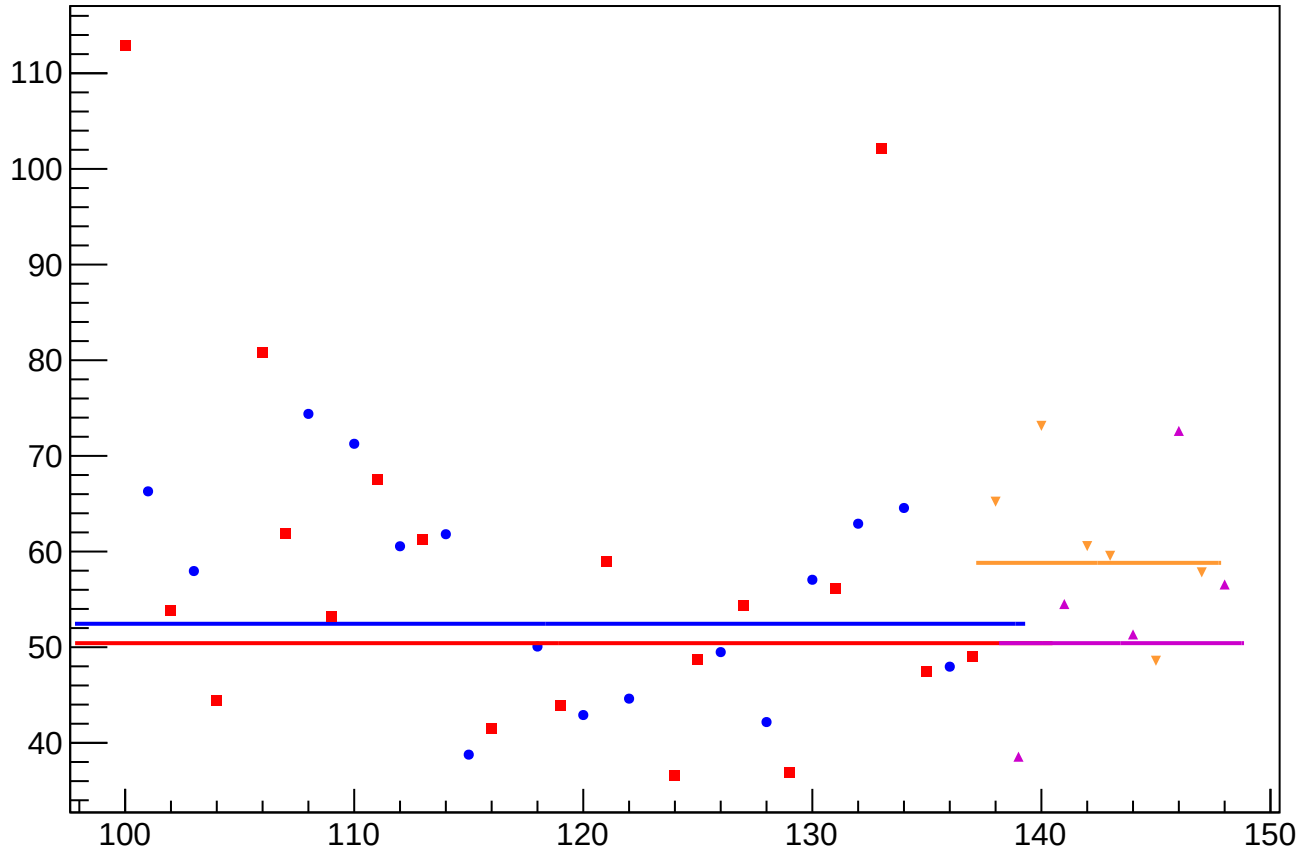
Left: 0.008+/-0.019 χ^2/NDF: 23.8/10

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.008+/-0.011 χ^2/NDF: 49.3/45



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

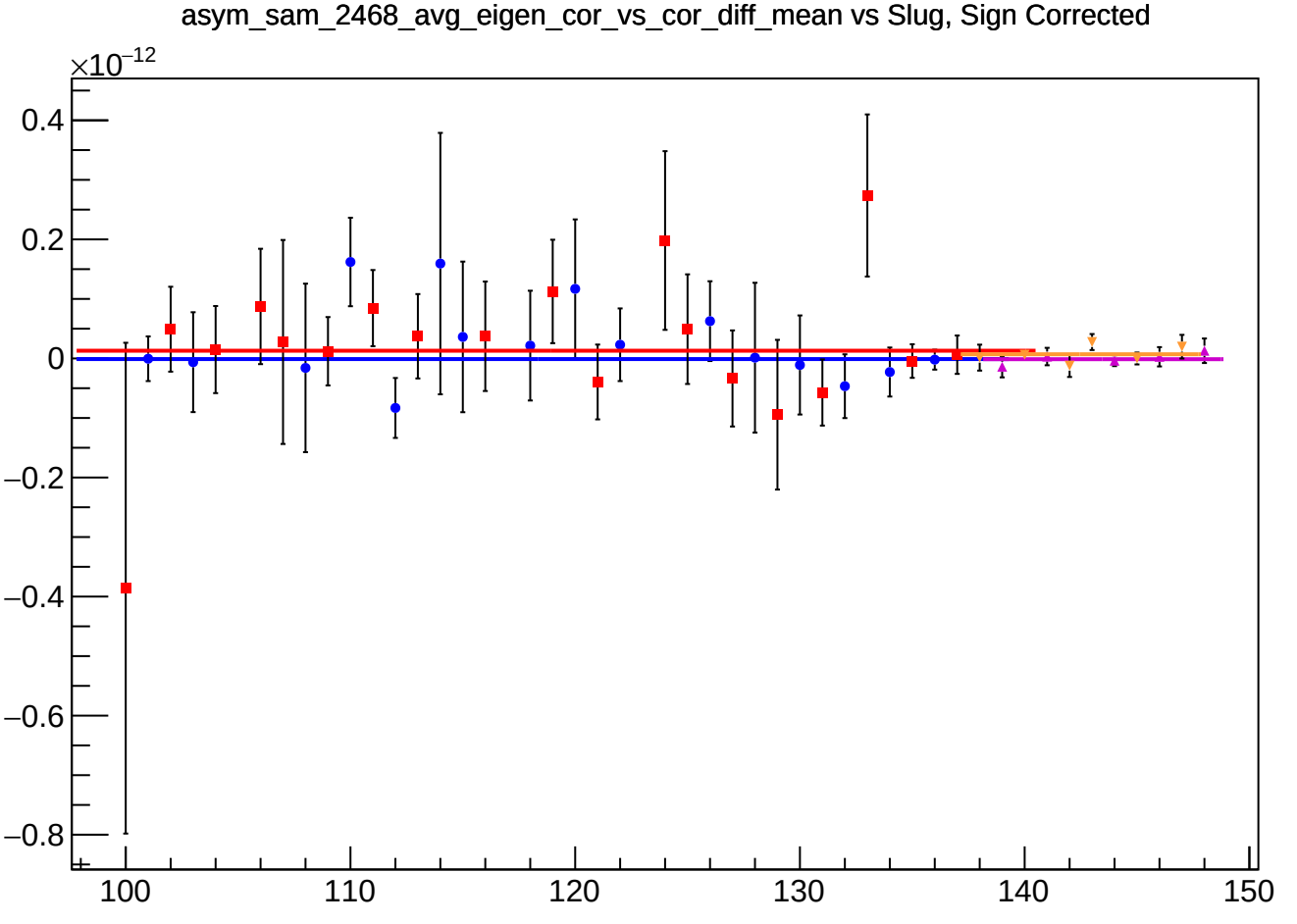
Left: 54.111+/-0.014 χ^2/NDF: 554612.0/10

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.660+/-0.011 χ^2/NDF:746605.2/20

Out: 53.053+/-0.011 χ^2/NDF:931823.5/24

All: 52.347+/-0.008 χ^2/NDF: 1685970.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

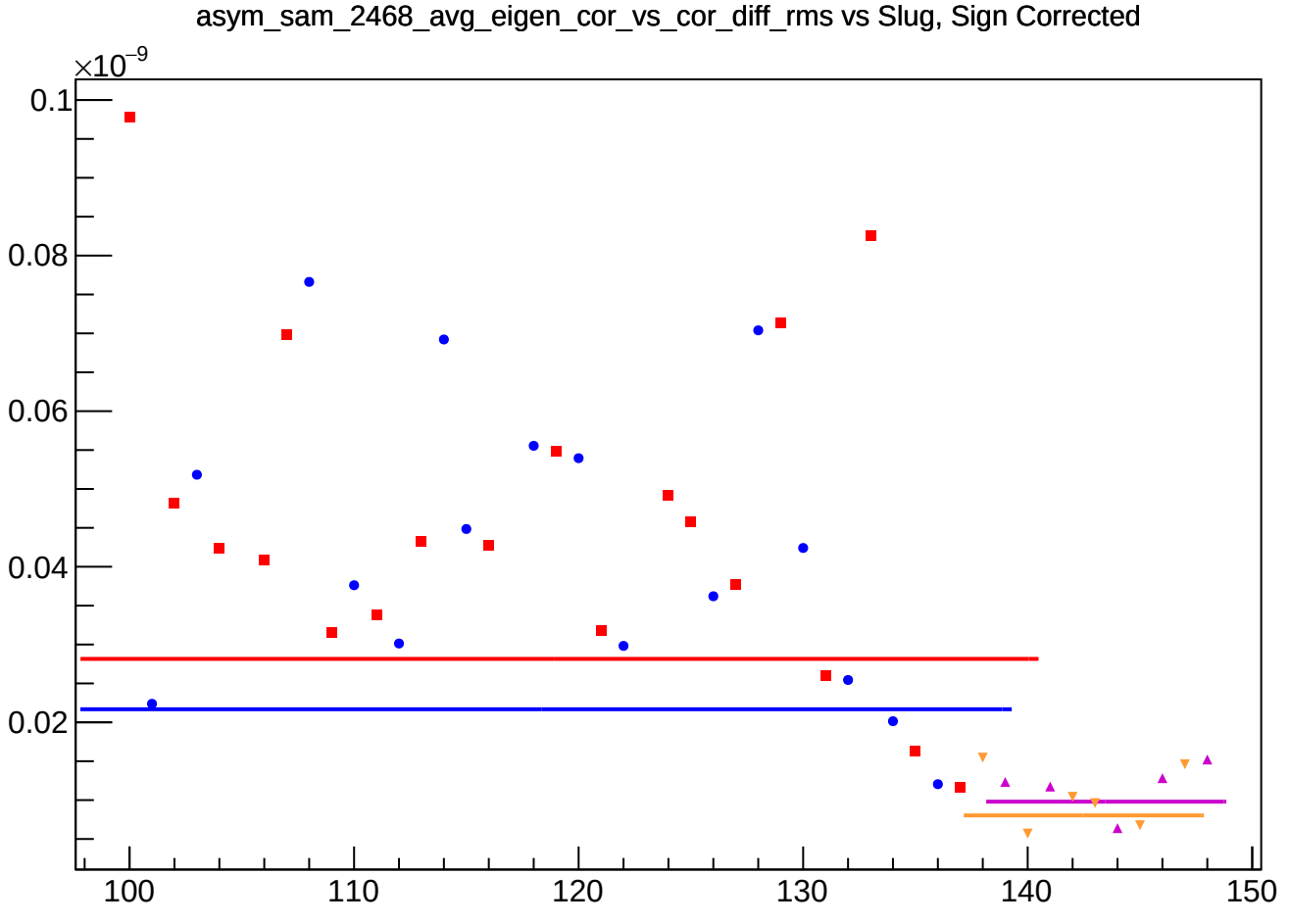
Left: 0.000+/-0.000 χ^2/NDF: 6.6/10

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:12.5/20

Out: 0.000+/-0.000 χ^2/NDF:18.2/24

All: 0.000+/-0.000 χ^2/NDF: 32.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:705552.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:563618.3/4

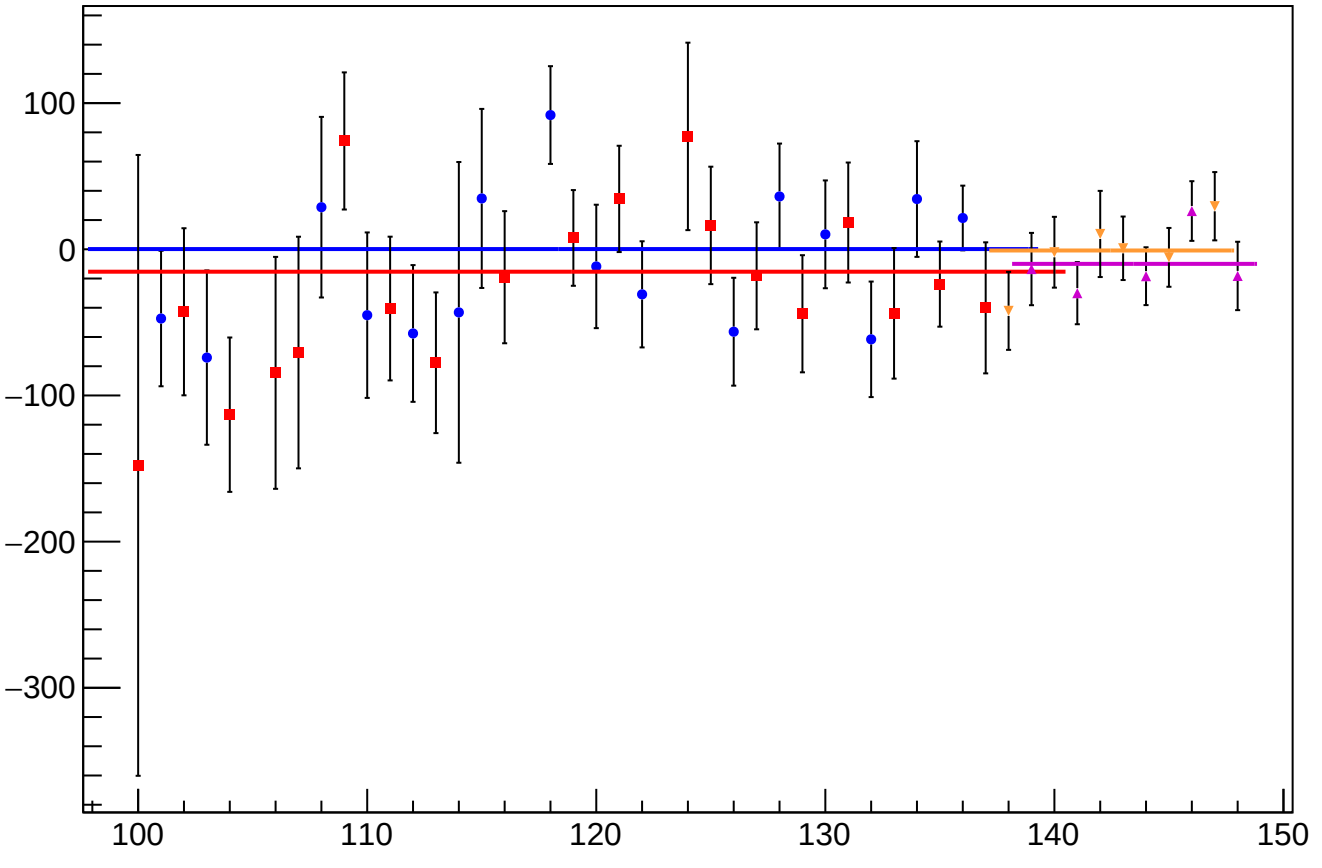
Left: 0.000+/-0.000 χ^2/NDF: 1365330.8/10

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4638092.0/20

Out: 0.000+/-0.000 χ^2/NDF:6507805.3/24

All: 0.000+/-0.000 χ^2/NDF: 11298677.1/45



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.818+/-9.675 χ^2/NDF:4.3/5

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -9.973+/-9.699 χ^2/NDF:4.4/4

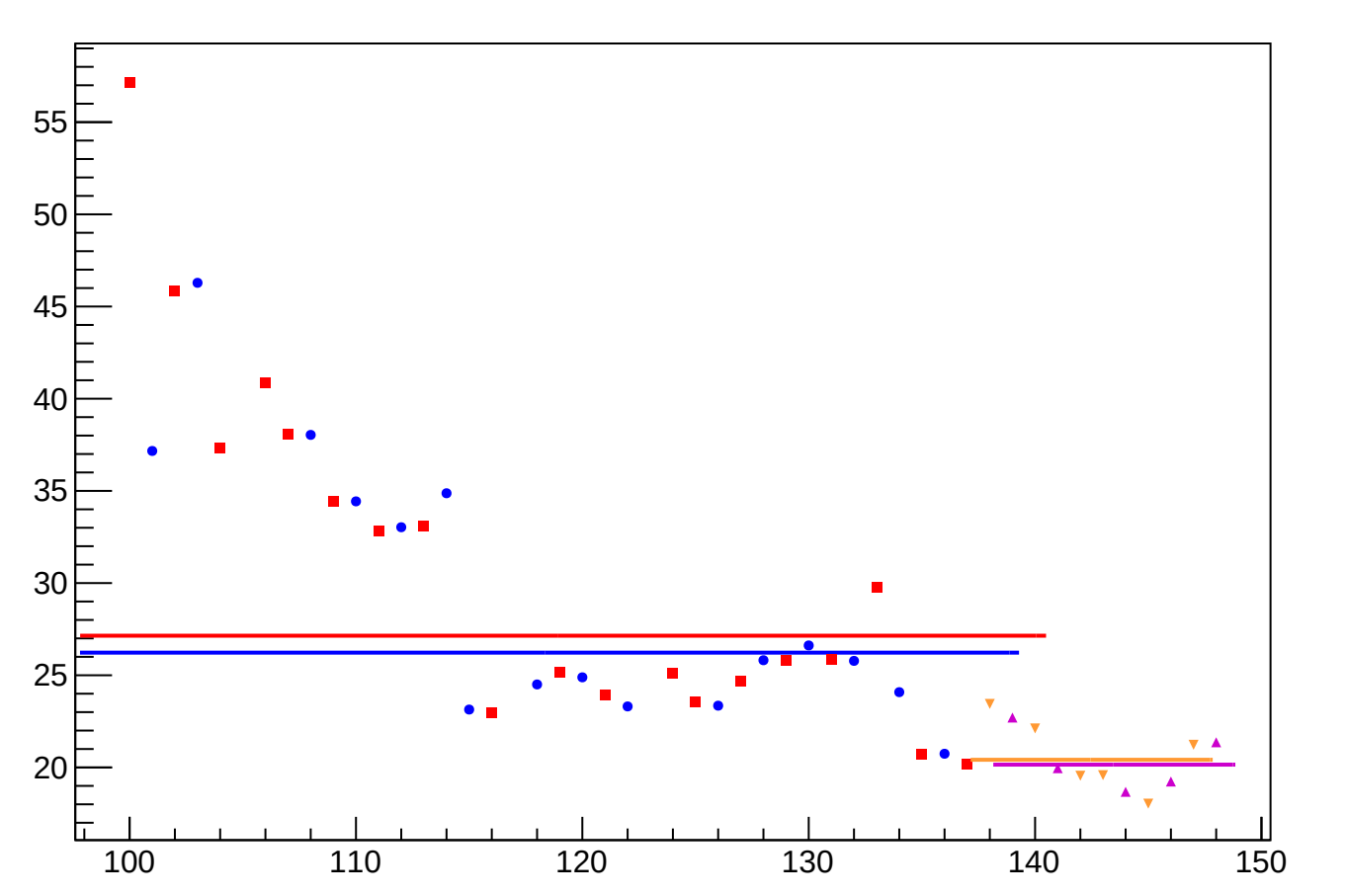
Left: -5.384+/-6.850 χ^2/NDF: 9.1/10

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.088+/-6.978 χ^2/NDF:26.2/20

Out: -7.645+/-7.041 χ^2/NDF:23.3/24

All: -6.355+/-4.957 χ^2/NDF: 49.6/45



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

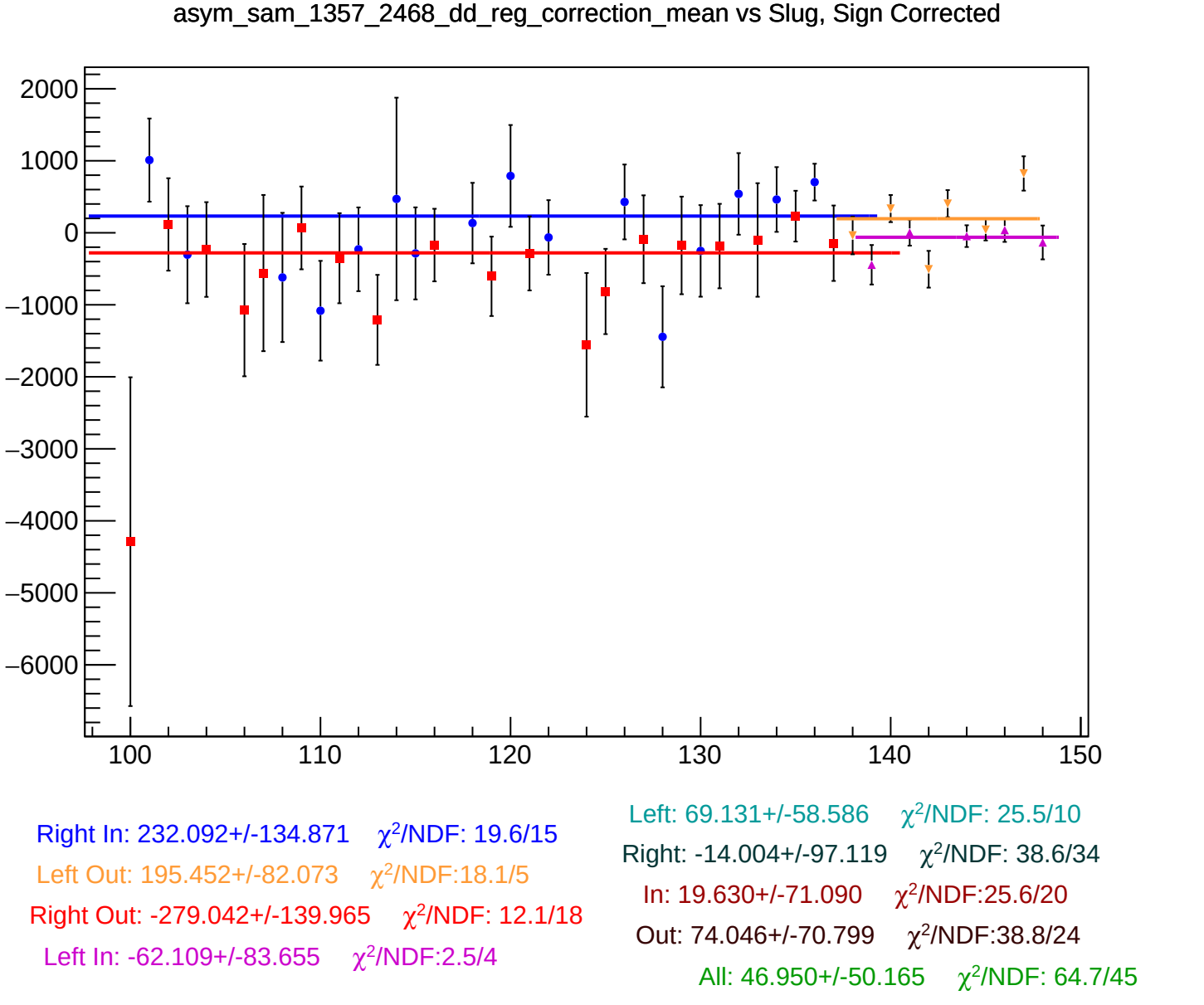
Left: 20.285+/-0.005 χ^2/NDF: 113482.3/10

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

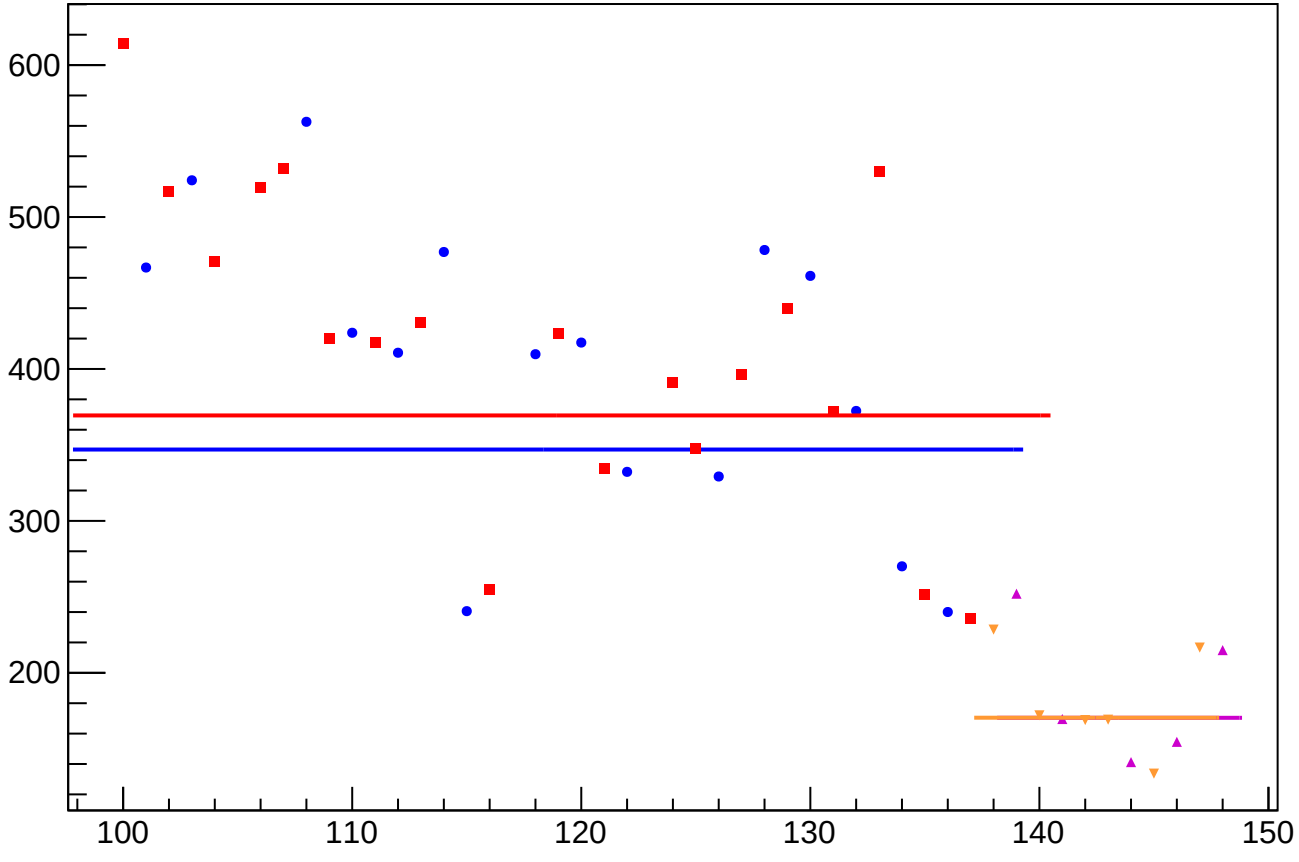
In: 23.083+/-0.005 χ^2/NDF:1096407.5/20

Out: 23.581+/-0.005 χ^2/NDF:1281202.7/24

All: 23.330+/-0.004 χ^2/NDF: 2382672.7/45


asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 195.452+/-82.073 χ²/NDF:18.1/5
Right Out: -279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -62.109+/-83.655 χ²/NDF:2.5/4
Left: 69.131+/-58.586 χ²/NDF: 25.5/10
Right: -14.004+/-97.119 χ²/NDF: 38.6/34
In: 19.630+/-71.090 χ²/NDF:25.6/20
Out: 74.046+/-70.799 χ²/NDF:38.8/24
All: 46.950+/-50.165 χ²/NDF: 64.7/45

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: 170.462+/-0.058 χ^2/NDF:294058.3/5

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 170.396+/-0.059 χ^2/NDF:342303.0/4

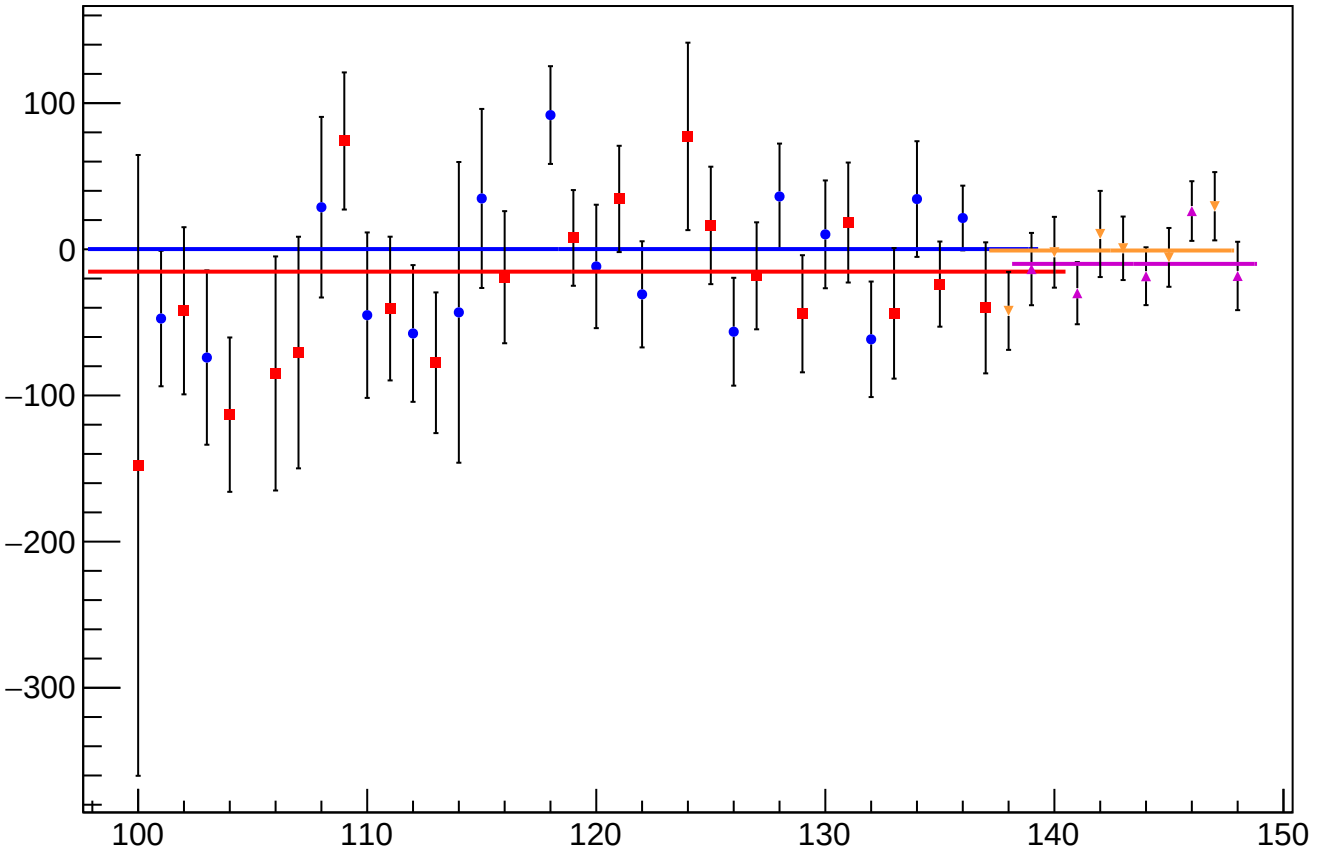
Left: 170.430+/-0.041 χ^2/NDF: 636361.9/10

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 219.454+/-0.050 χ^2/NDF:3875933.1/20

Out: 221.366+/-0.050 χ^2/NDF:4219833.3/24

All: 220.414+/-0.035 χ^2/NDF: 8096492.7/45



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.821+/-9.675 χ^2/NDF:4.3/5

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -9.976+/-9.699 χ^2/NDF:4.4/4

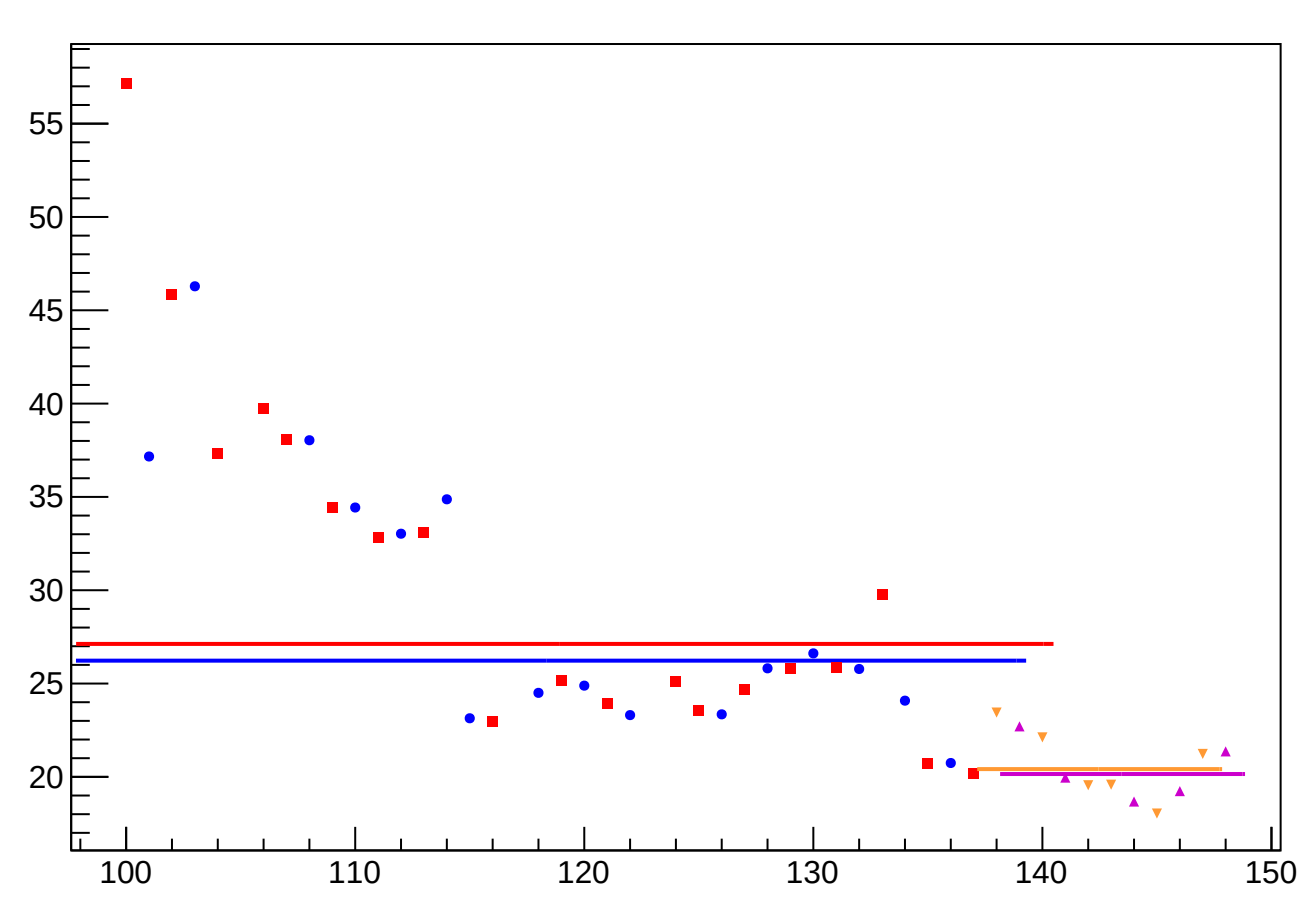
Left: -5.387+/-6.850 χ^2/NDF: 9.1/10

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.088+/-6.978 χ^2/NDF:26.2/20

Out: -7.626+/-7.042 χ^2/NDF:23.3/24

All: -6.346+/-4.957 χ^2/NDF: 49.5/45



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

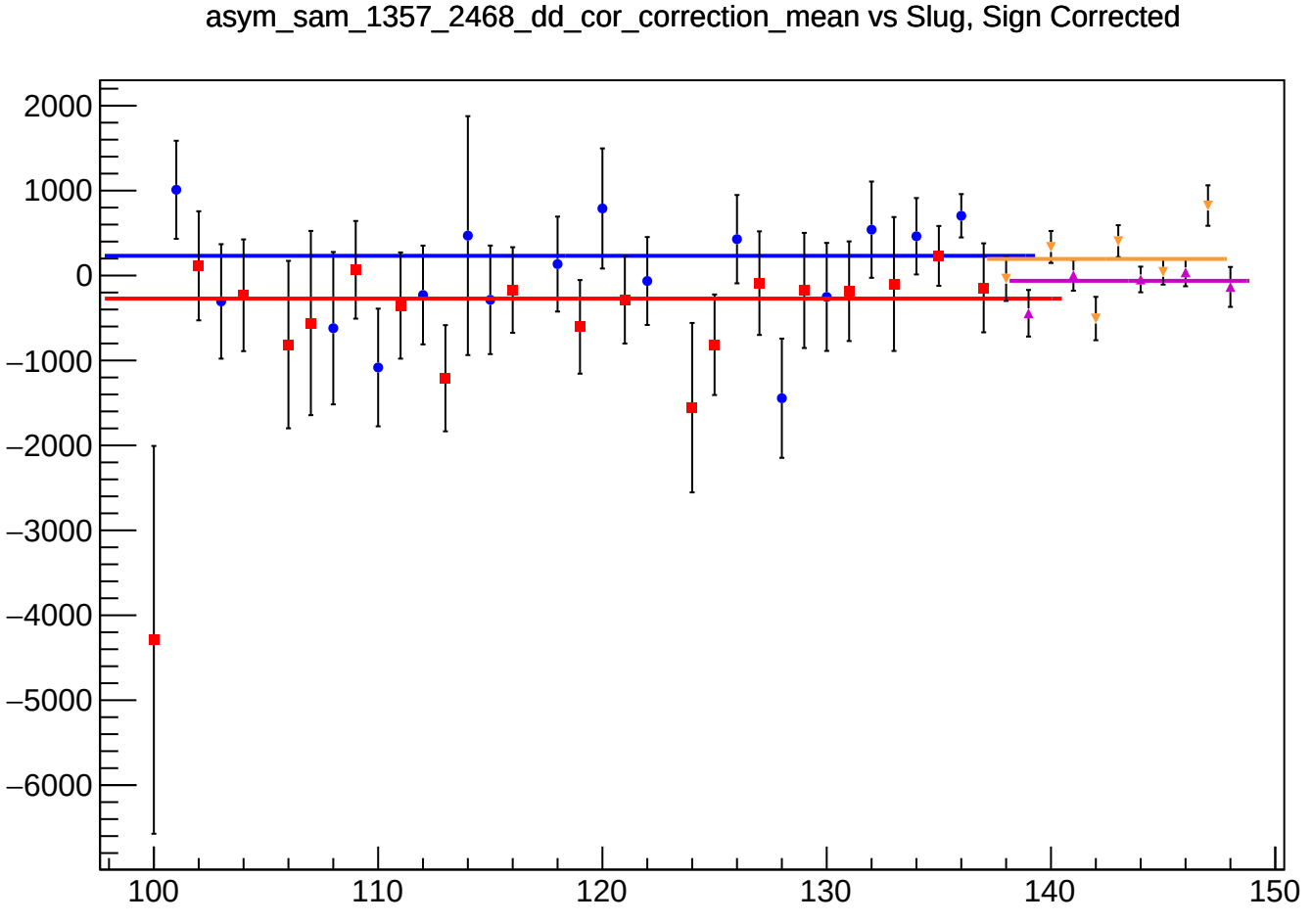
Left: 20.285+/-0.005 χ^2/NDF: 113482.3/10

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.083+/-0.005 χ^2/NDF:1096410.9/20

Out: 23.570+/-0.005 χ^2/NDF:1268420.1/24

All: 23.324+/-0.004 χ^2/NDF: 2369675.0/45



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -62.112+/-83.655 χ^2/NDF:2.5/4

Left: 69.128+/-58.586 χ^2/NDF: 25.5/10

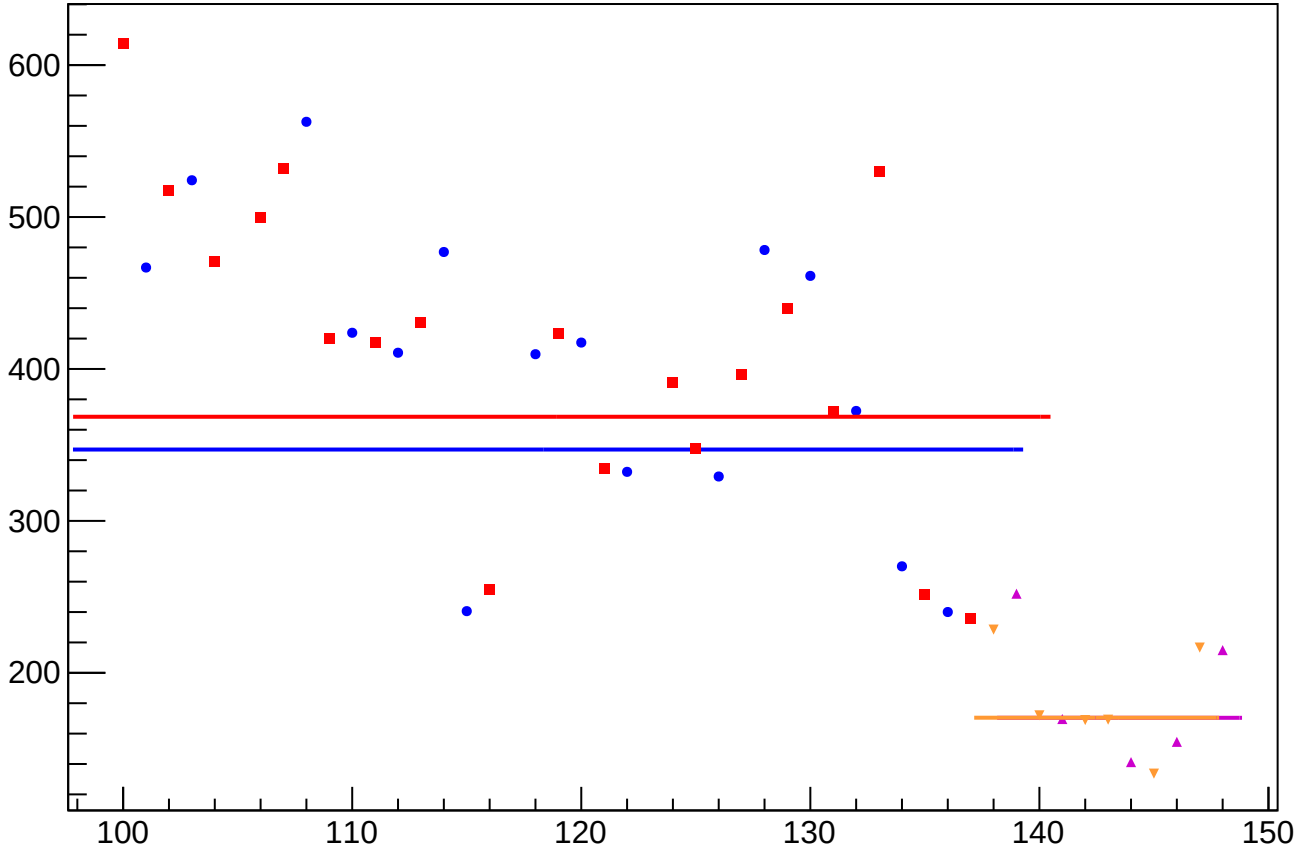
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 19.626+/-71.091 χ^2/NDF:25.6/20

Out: 76.272+/-70.827 χ^2/NDF:38.0/24

All: 48.054+/-50.175 χ^2/NDF: 63.9/45

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 170.462+/-0.058 χ^2/NDF:294059.4/5

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

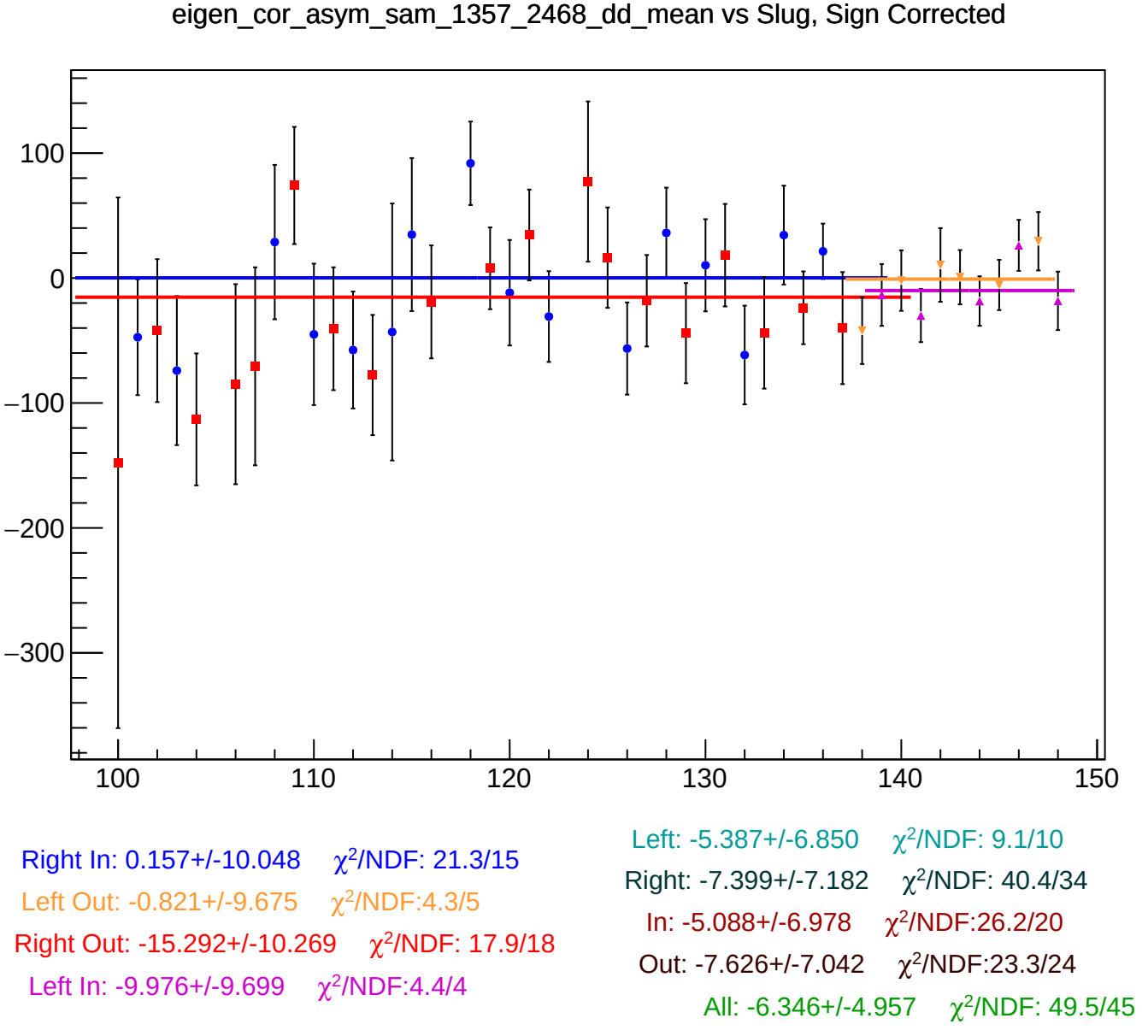
Left: 170.430+/-0.041 χ^2/NDF: 636361.7/10

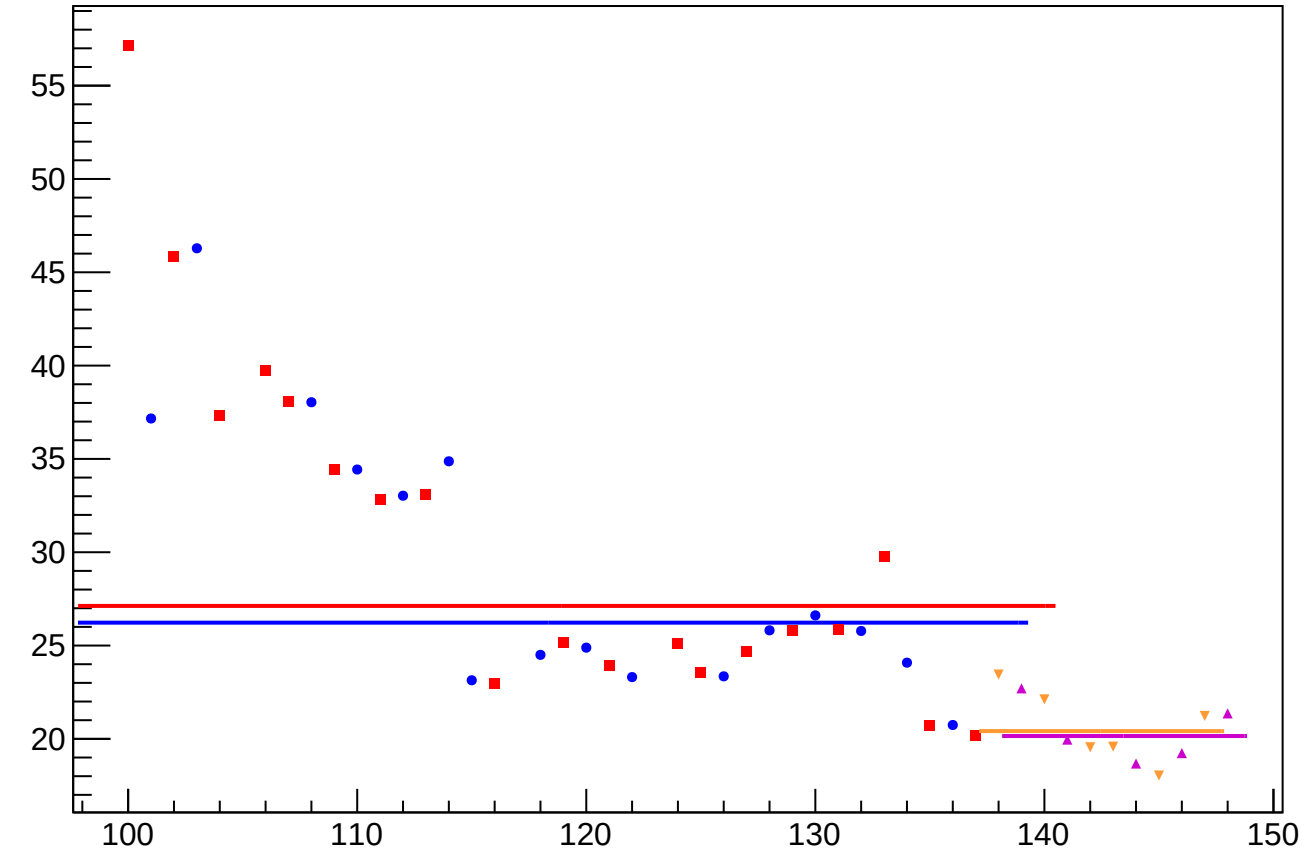
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.454+/-0.050 χ^2/NDF:3875954.4/20

Out: 221.027+/-0.050 χ^2/NDF:4168171.0/24

All: 220.243+/-0.035 χ^2/NDF: 8044616.8/45


eigen_cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: -0.821+/-9.675 χ²/NDF:4.3/5
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -9.976+/-9.699 χ²/NDF:4.4/4
Left: -5.387+/-6.850 χ²/NDF: 9.1/10
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -5.088+/-6.978 χ²/NDF:26.2/20
Out: -7.626+/-7.042 χ²/NDF:23.3/24
All: -6.346+/-4.957 χ²/NDF: 49.5/45



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

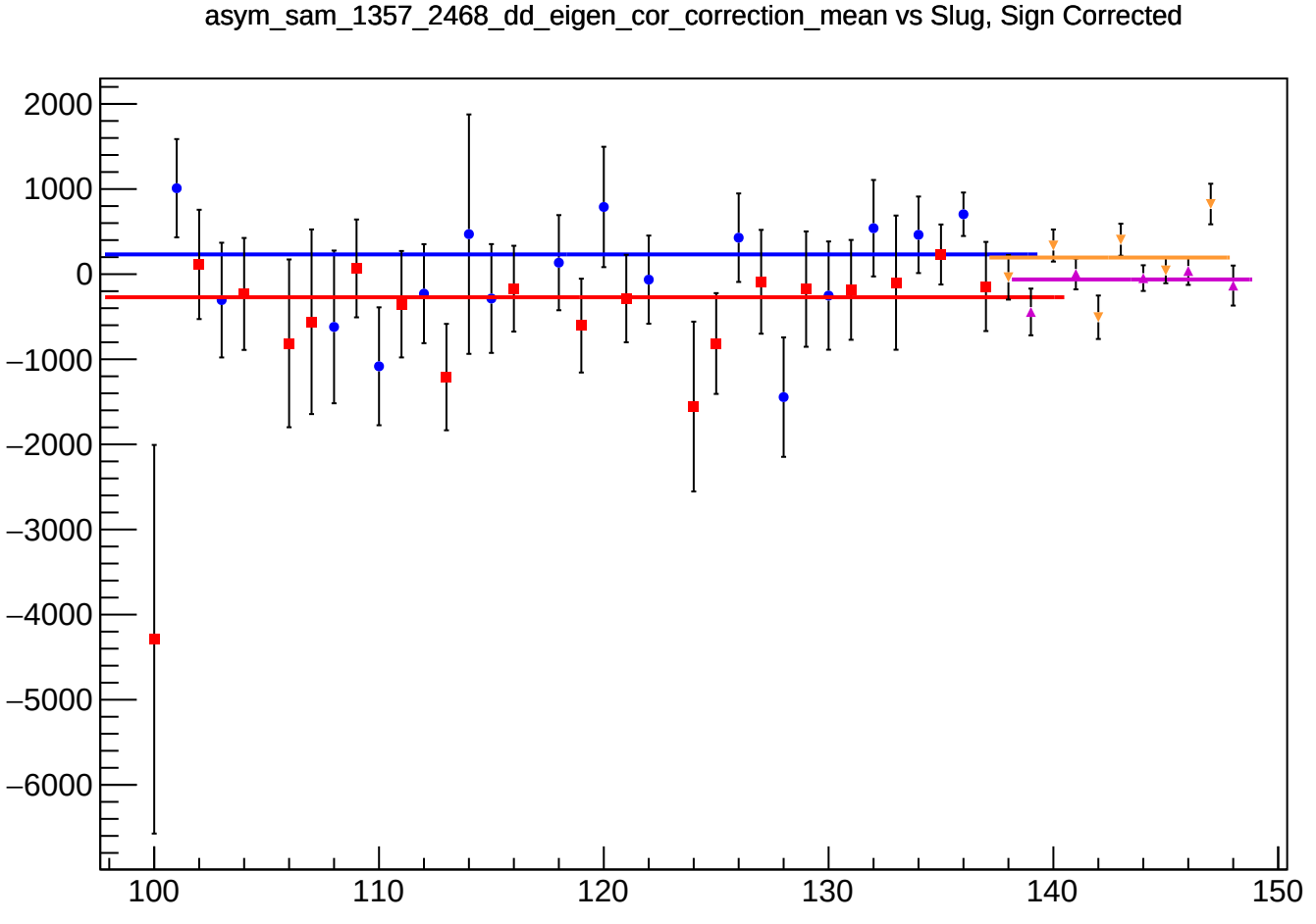
Left: 20.285+/-0.005 χ^2/NDF: 113482.3/10

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.083+/-0.005 χ^2/NDF:1096410.9/20

Out: 23.570+/-0.005 χ^2/NDF:1268420.1/24

All: 23.324+/-0.004 χ^2/NDF: 2369675.0/45



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -62.112+/-83.655 χ^2/NDF:2.5/4

Left: 69.128+/-58.586 χ^2/NDF: 25.5/10

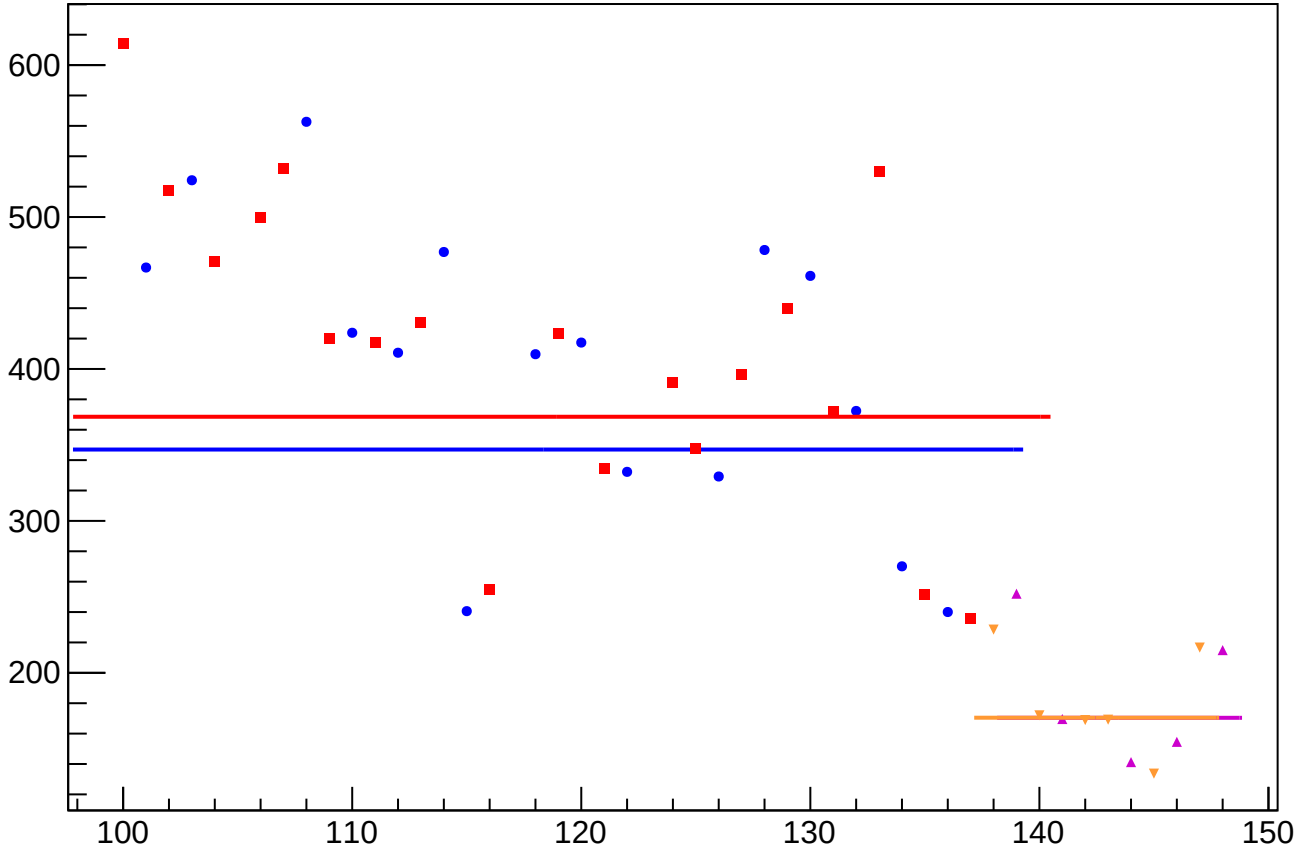
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 19.626+/-71.091 χ^2/NDF:25.6/20

Out: 76.272+/-70.827 χ^2/NDF:38.0/24

All: 48.054+/-50.175 χ^2/NDF: 63.9/45

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: 170.462+/-0.058 χ^2/NDF:294059.4/5

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

Left: 170.430+/-0.041 χ^2/NDF: 636361.7/10

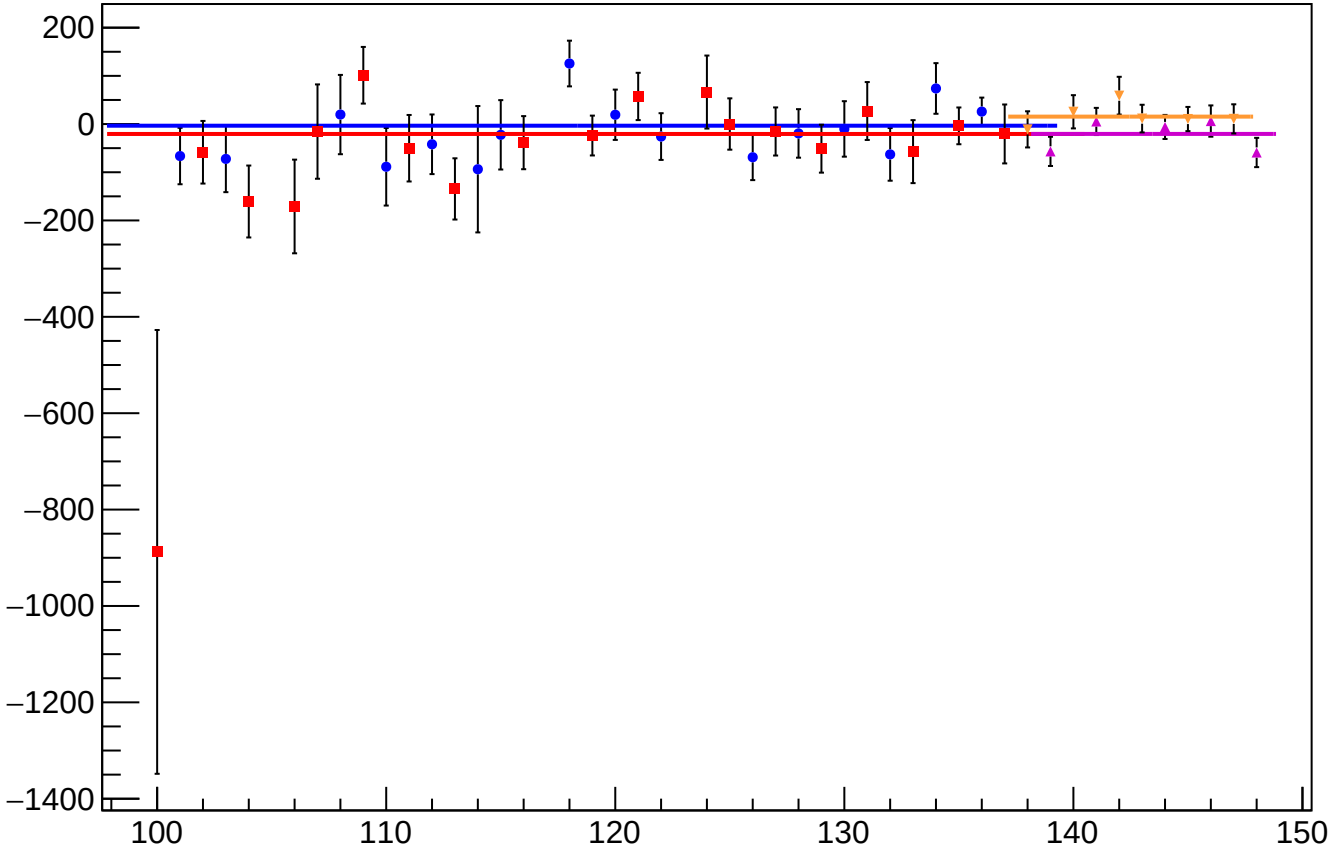
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.454+/-0.050 χ^2/NDF:3875954.4/20

Out: 221.027+/-0.050 χ^2/NDF:4168171.0/24

All: 220.243+/-0.035 χ^2/NDF: 8044616.8/45

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 15.434+/-12.807 χ^2/NDF:1.9/5

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -20.470+/-12.925 χ^2/NDF:4.9/4

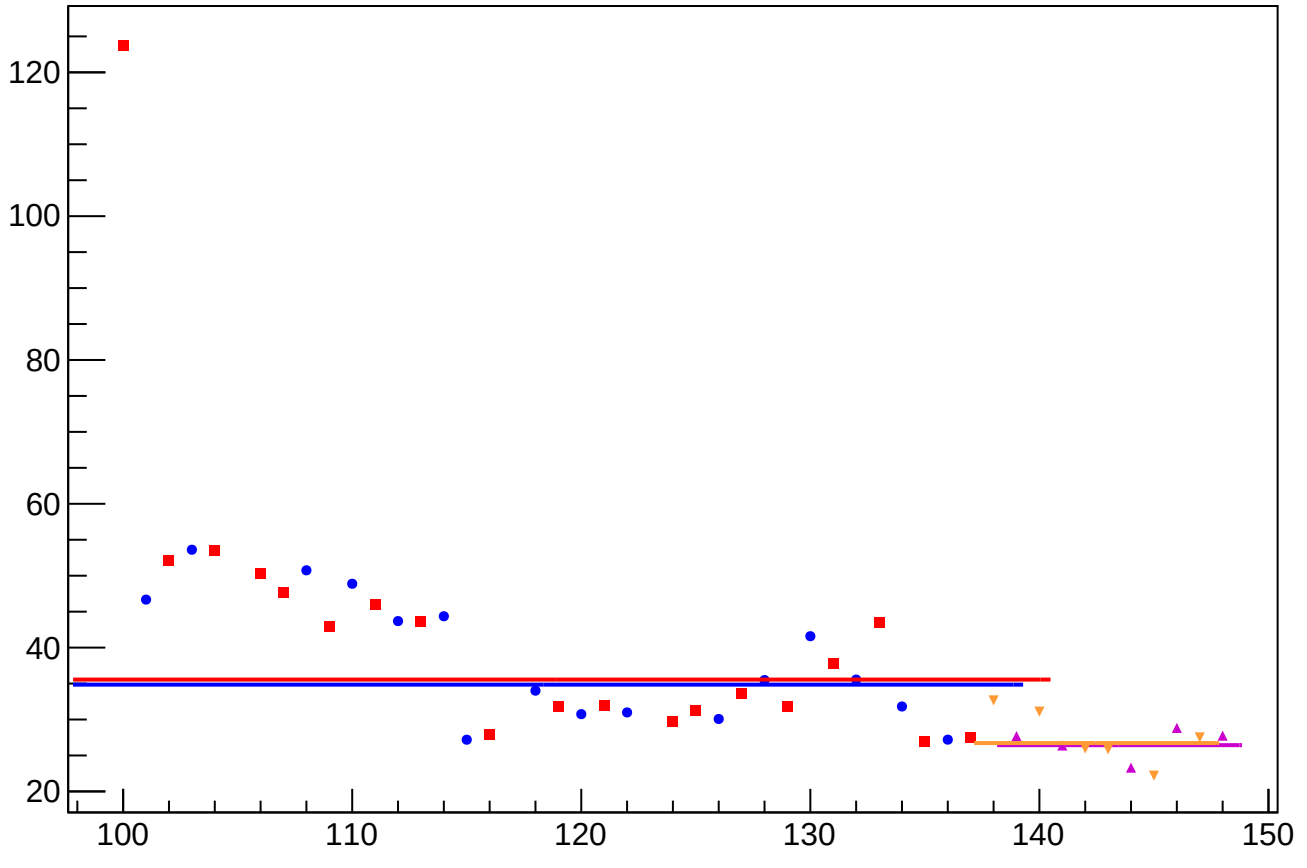
Left: -2.353+/-9.098 χ^2/NDF: 10.7/10

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.249+/-9.300 χ^2/NDF:24.2/20

Out: -1.654+/-9.283 χ^2/NDF:28.8/24

All: -6.942+/-6.570 χ^2/NDF: 53.6/45



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.726+/-0.009 χ^2/NDF:151250.9/5

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.436+/-0.009 χ^2/NDF:49557.0/4

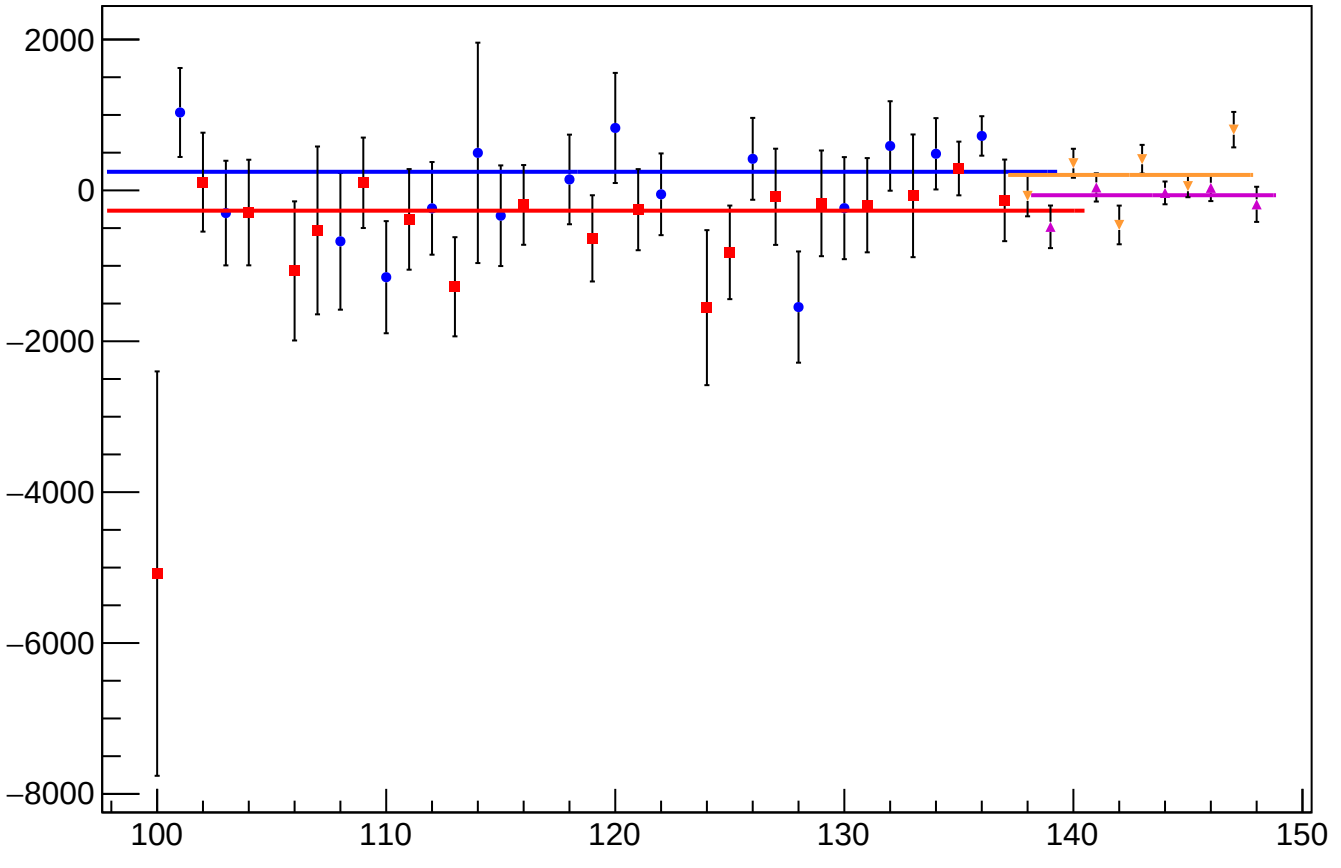
Left: 26.582+/-0.006 χ^2/NDF: 201318.6/10

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 30.494+/-0.007 χ^2/NDF:1116506.3/20

Out: 30.916+/-0.007 χ^2/NDF:1381997.4/24

All: 30.705+/-0.005 χ^2/NDF: 2500565.4/45



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 204.997+/-82.067 χ^2/NDF:17.1/5

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -64.078+/-85.827 χ^2/NDF:3.1/4

Left: 76.484+/-59.315 χ^2/NDF: 25.4/10

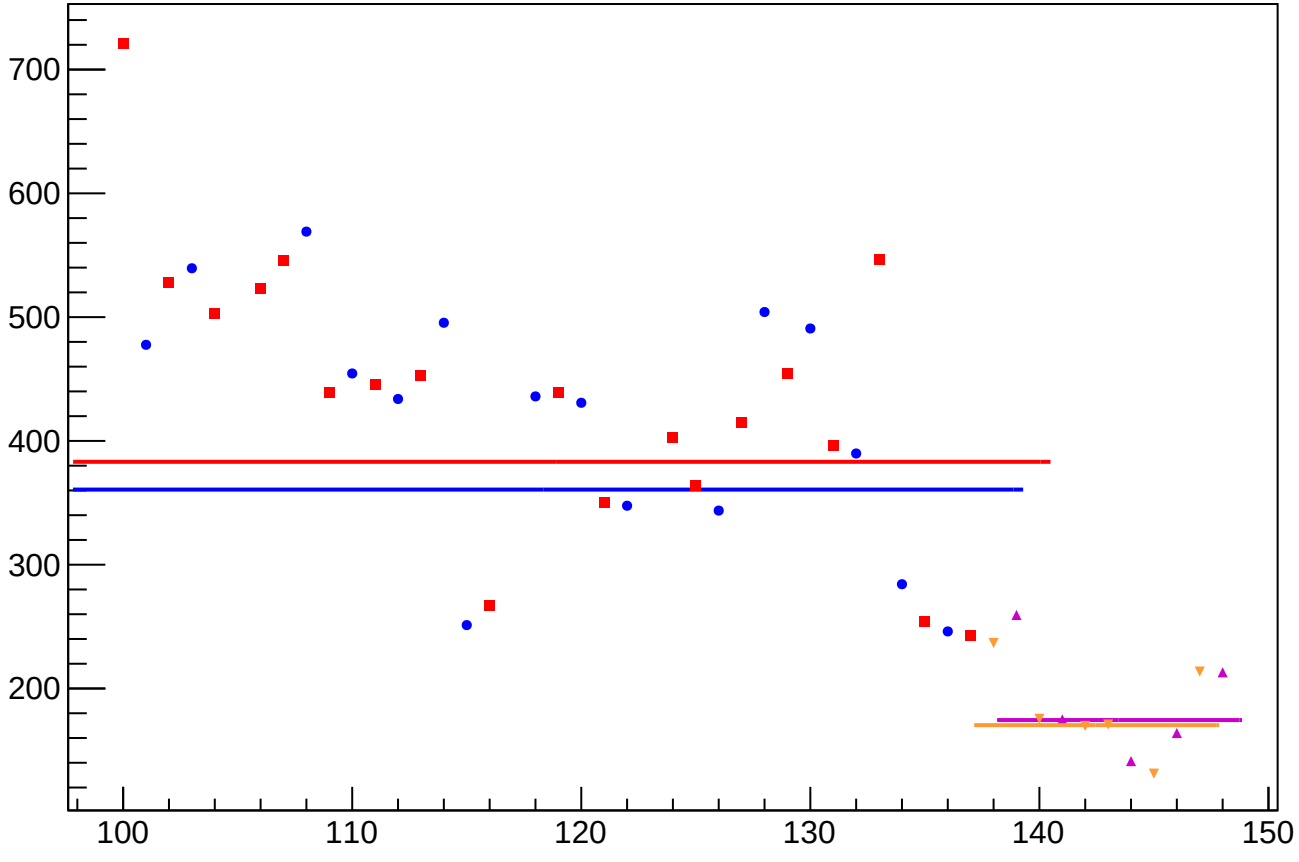
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 20.522+/-73.211 χ^2/NDF:26.5/20

Out: 90.374+/-71.456 χ^2/NDF:37.8/24

All: 56.295+/-51.136 χ^2/NDF: 64.8/45

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: 170.403+/-0.058 χ^2/NDF:332874.1/5

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 174.514+/-0.061 χ^2/NDF:339239.2/4

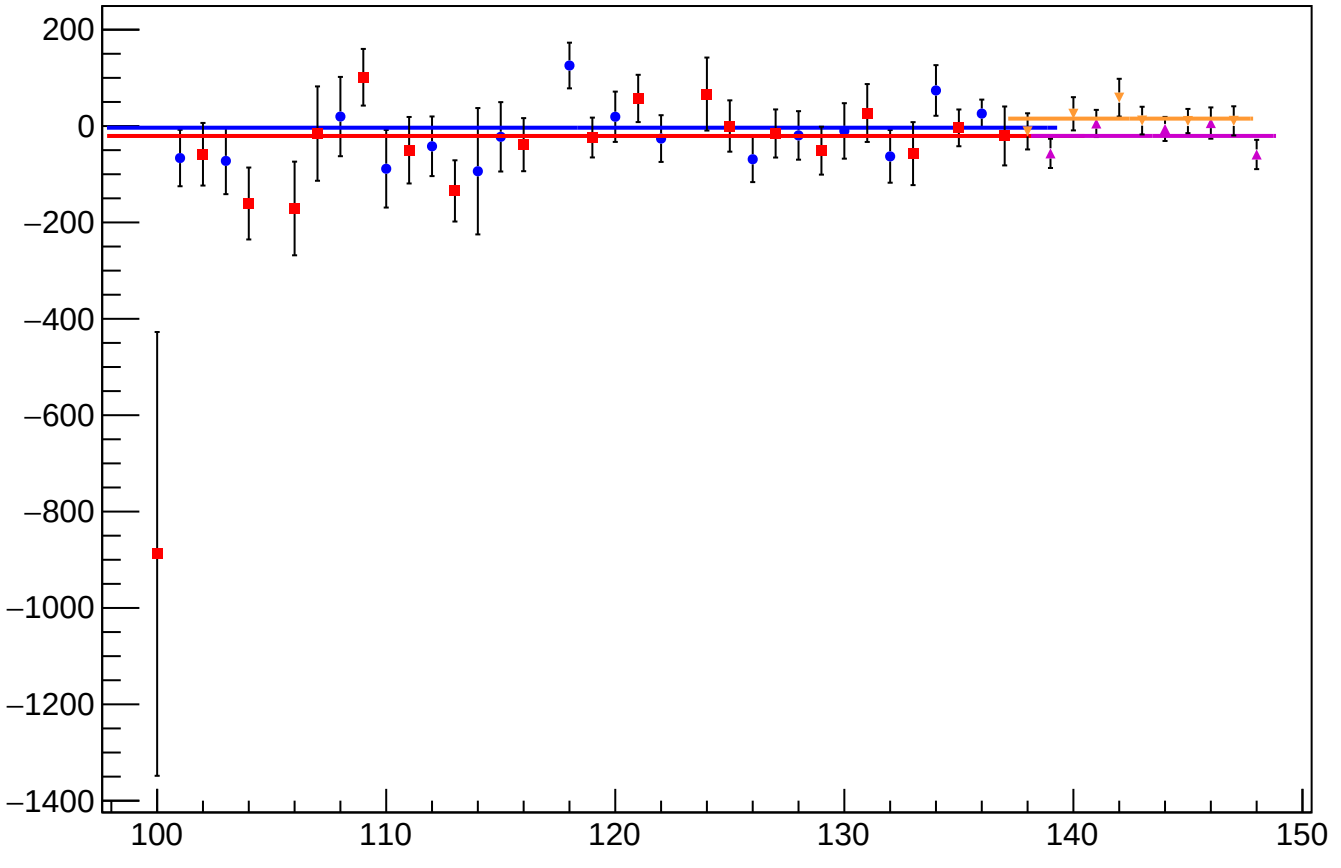
Left: 172.366+/-0.042 χ^2/NDF: 674510.3/10

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 225.227+/-0.052 χ^2/NDF:3995467.9/20

Out: 221.855+/-0.051 χ^2/NDF:4546305.5/24

All: 223.500+/-0.036 χ^2/NDF: 8543946.4/45



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 15.434+/-12.807 χ^2/NDF:1.9/5

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -20.470+/-12.925 χ^2/NDF:4.9/4

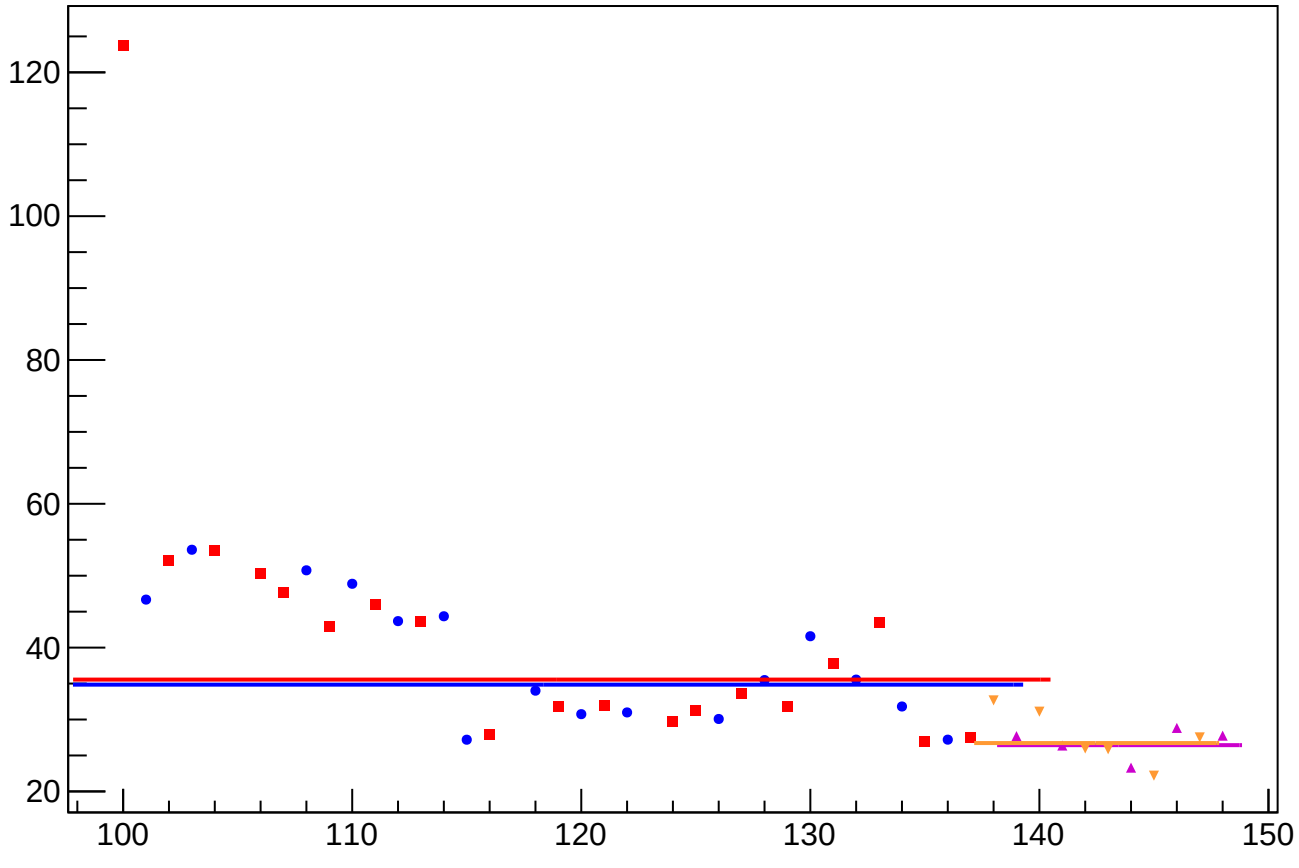
Left: -2.353+/-9.098 χ^2/NDF: 10.7/10

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.249+/-9.300 χ^2/NDF:24.2/20

Out: -1.654+/-9.283 χ^2/NDF:28.8/24

All: -6.942+/-6.570 χ^2/NDF: 53.6/45



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.726+/-0.009 χ^2/NDF:151233.8/5

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.435+/-0.009 χ^2/NDF:49552.7/4

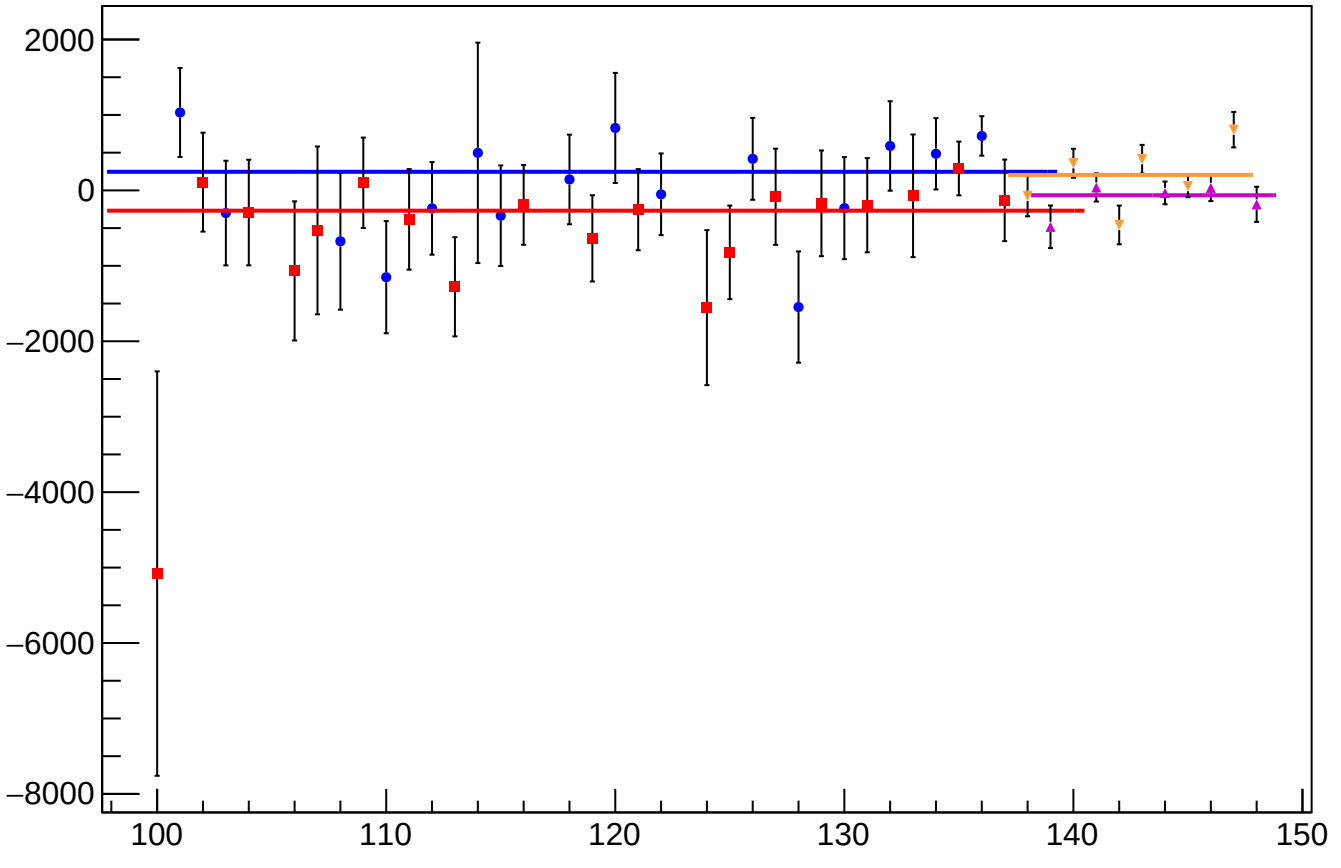
Left: 26.582+/-0.006 χ^2/NDF: 201297.5/10

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 30.493+/-0.007 χ^2/NDF:1116411.9/20

Out: 30.915+/-0.007 χ^2/NDF:1381911.0/24

All: 30.705+/-0.005 χ^2/NDF: 2500385.4/45



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 204.997+/-82.066 χ^2/NDF:17.1/5

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -64.078+/-85.827 χ^2/NDF:3.1/4

Left: 76.483+/-59.315 χ^2/NDF: 25.4/10

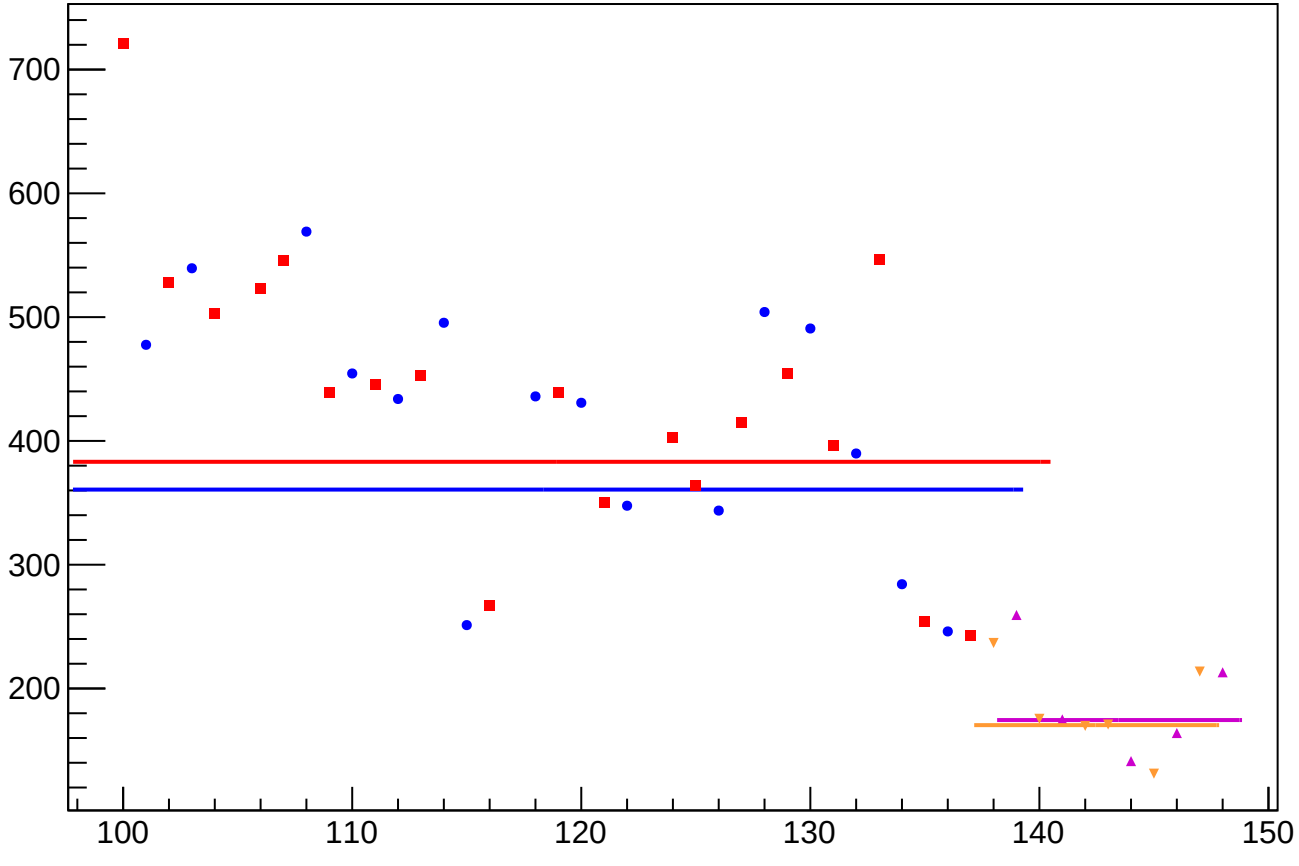
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 20.522+/-73.210 χ^2/NDF:26.5/20

Out: 90.374+/-71.456 χ^2/NDF:37.8/24

All: 56.295+/-51.136 χ^2/NDF: 64.8/45

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: 170.402+/-0.058 χ^2/NDF:332878.5/5

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 174.514+/-0.061 χ^2/NDF:339236.5/4

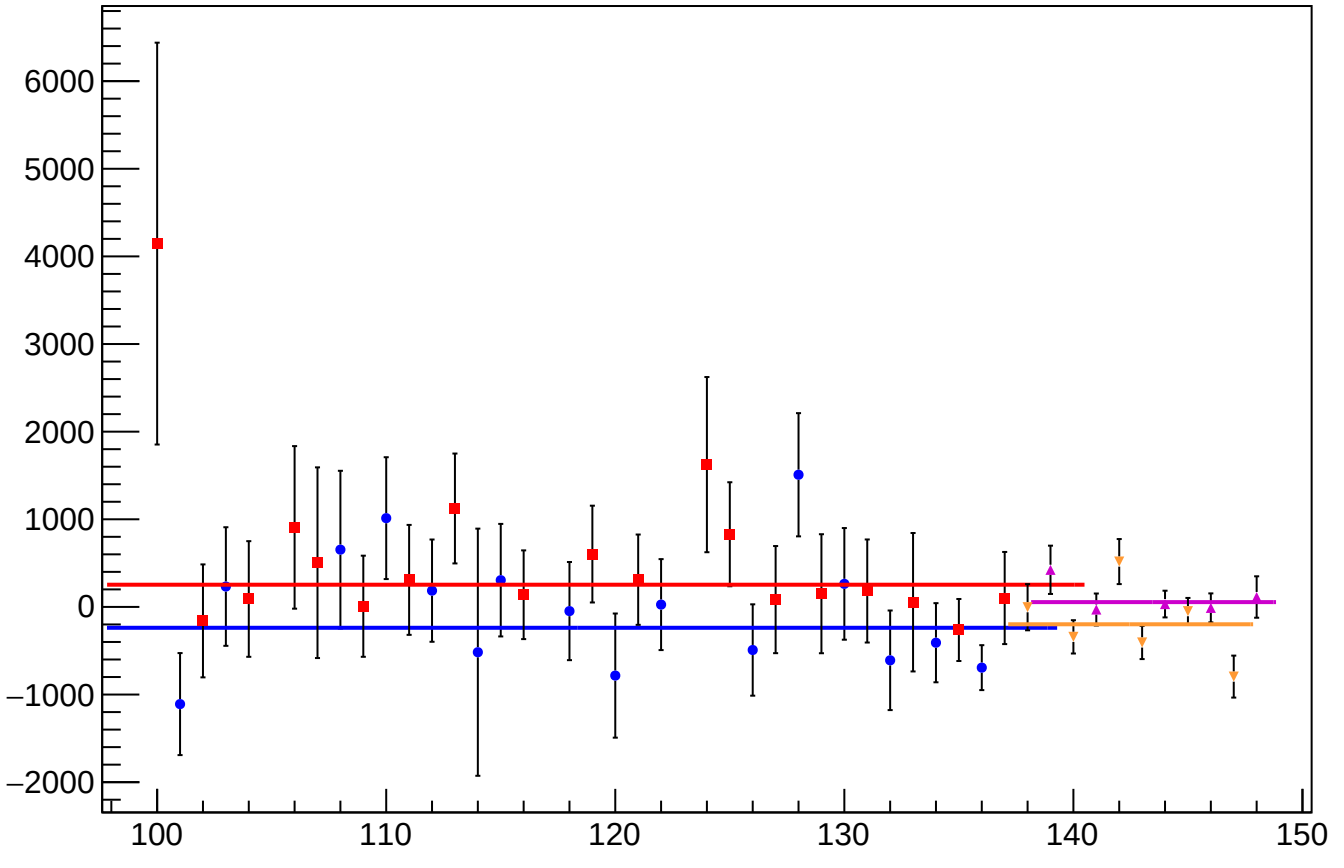
Left: 172.366+/-0.042 χ^2/NDF: 674512.3/10

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 225.226+/-0.052 χ^2/NDF:3995458.7/20

Out: 221.854+/-0.051 χ^2/NDF:4546319.4/24

All: 223.499+/-0.036 χ^2/NDF: 8543951.5/45



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -198.033+/-82.687 χ^2/NDF:17.3/5

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 54.857+/-84.275 χ^2/NDF:2.2/4

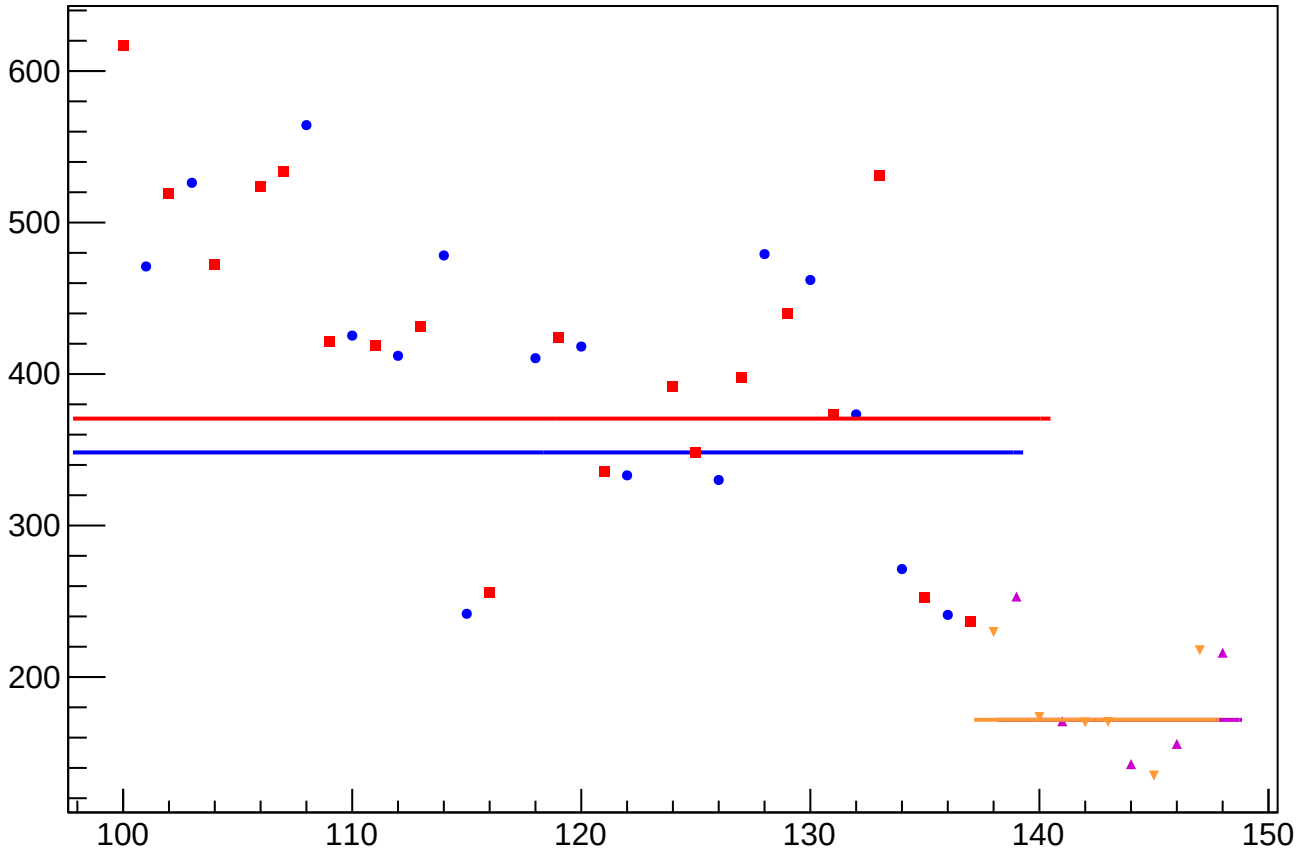
Left: -73.993+/-59.022 χ^2/NDF: 24.1/10

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -26.974+/-71.541 χ^2/NDF:25.6/20

Out: -81.783+/-71.251 χ^2/NDF:36.6/24

All: -54.489+/-50.484 χ^2/NDF: 62.5/45



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 171.799+/-0.058 χ^2/NDF:289501.4/5

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 171.728+/-0.060 χ^2/NDF:337023.2/4

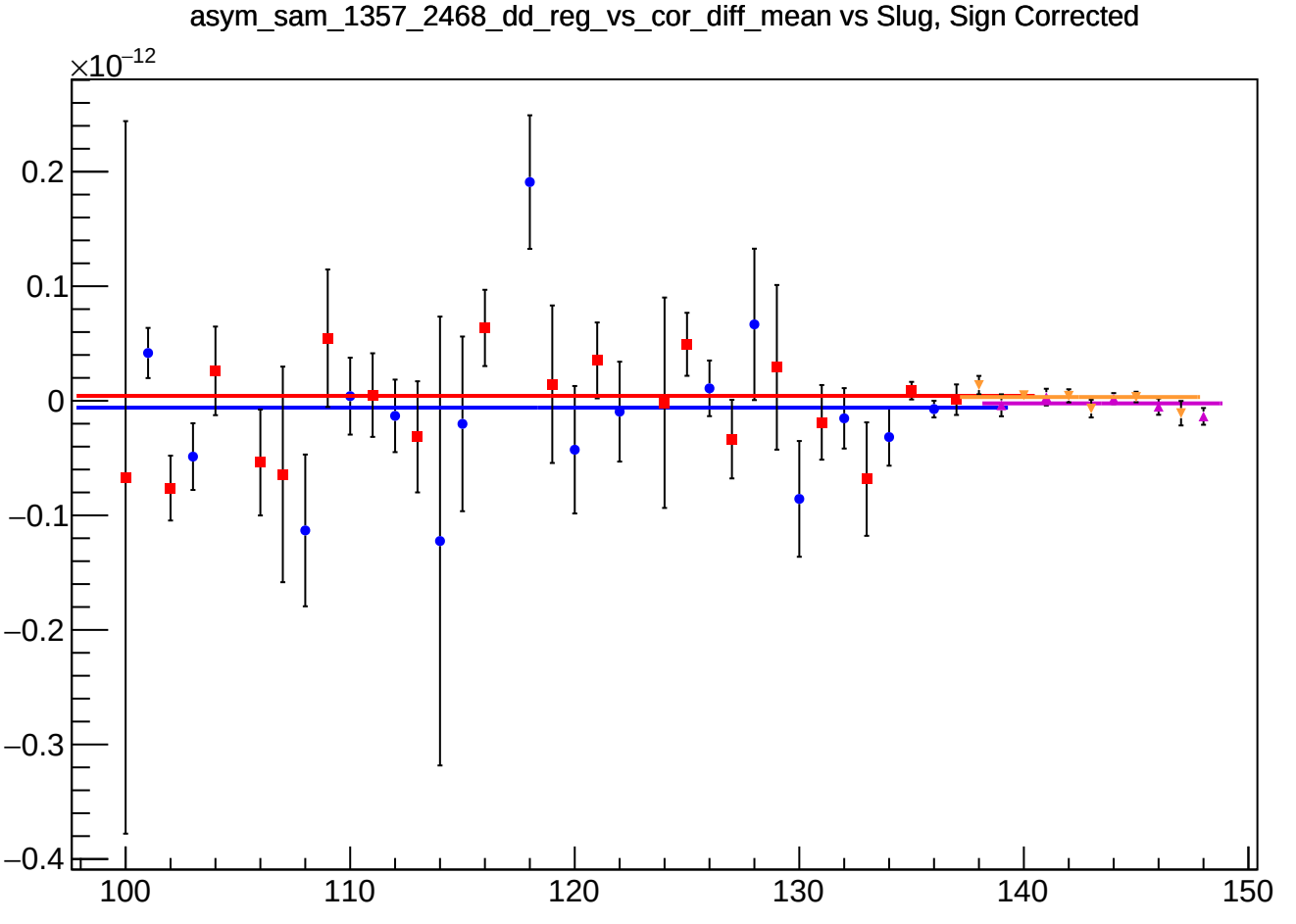
Left: 171.764+/-0.042 χ^2/NDF: 626525.3/10

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 221.046+/-0.051 χ^2/NDF:3845371.5/20

Out: 222.984+/-0.050 χ^2/NDF:4183779.7/24

All: 222.019+/-0.036 χ^2/NDF: 8029888.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/4

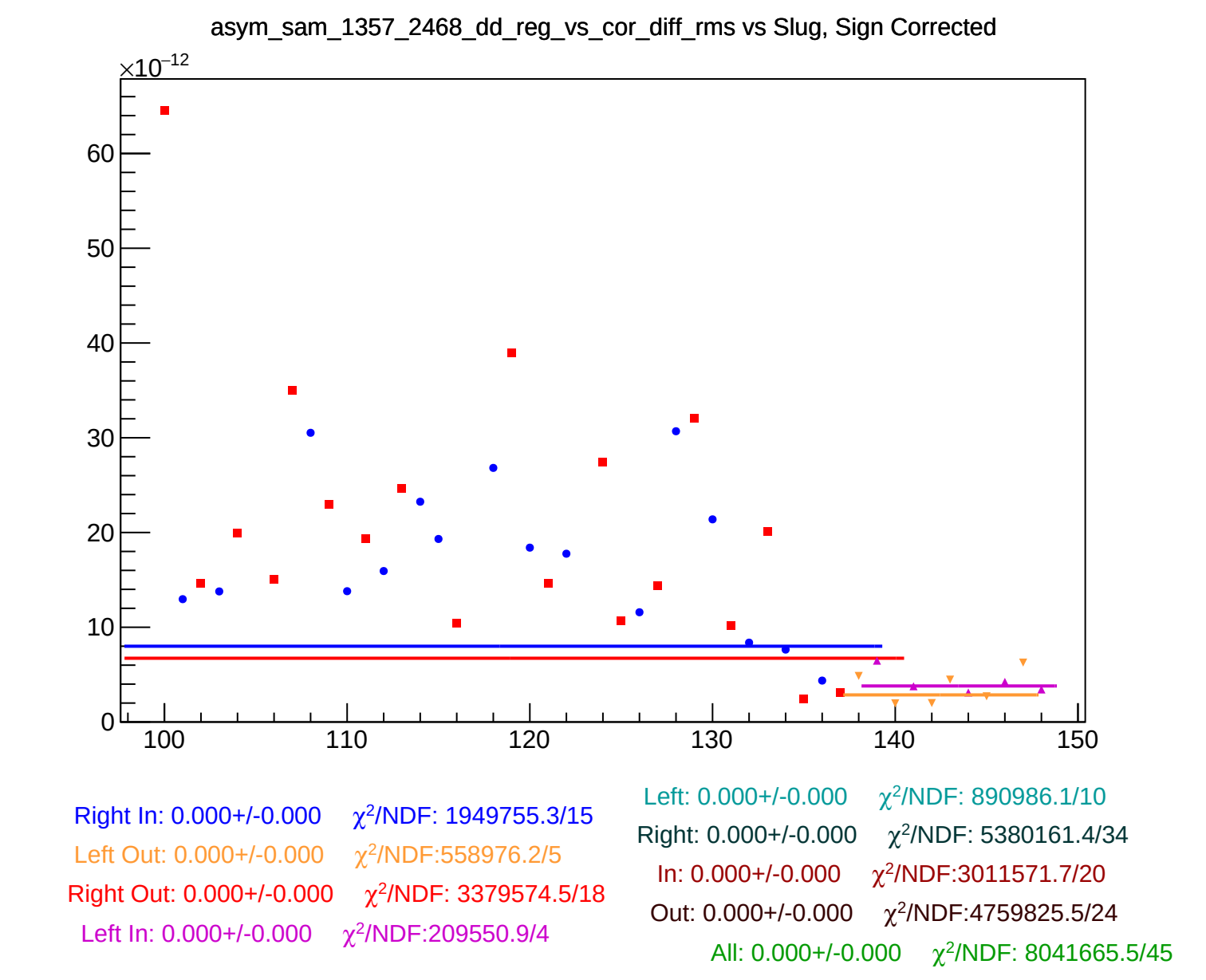
Left: 0.000+/-0.000 χ^2/NDF: 11.4/10

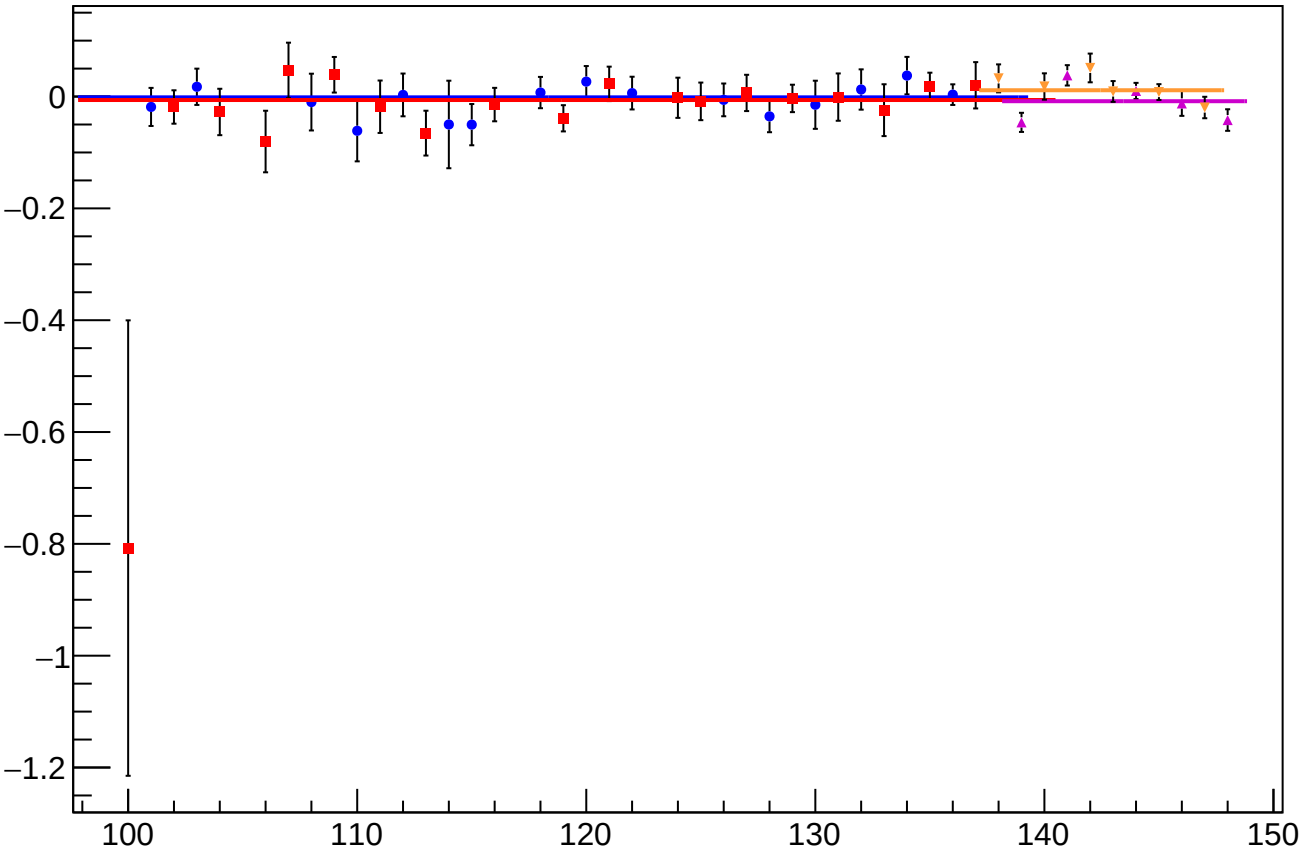
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:31.6/20

Out: 0.000+/-0.000 χ^2/NDF:28.3/24

All: 0.000+/-0.000 χ^2/NDF: 63.5/45


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:558976.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:209550.9/4
Left: 0.000+/-0.000 χ²/NDF: 890986.1/10
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:3011571.7/20
Out: 0.000+/-0.000 χ²/NDF:4759825.5/24
All: 0.000+/-0.000 χ²/NDF: 8041665.5/45



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.008 χ^2/NDF:16.1/4

Left: 0.001+/-0.006 χ^2/NDF: 25.0/10

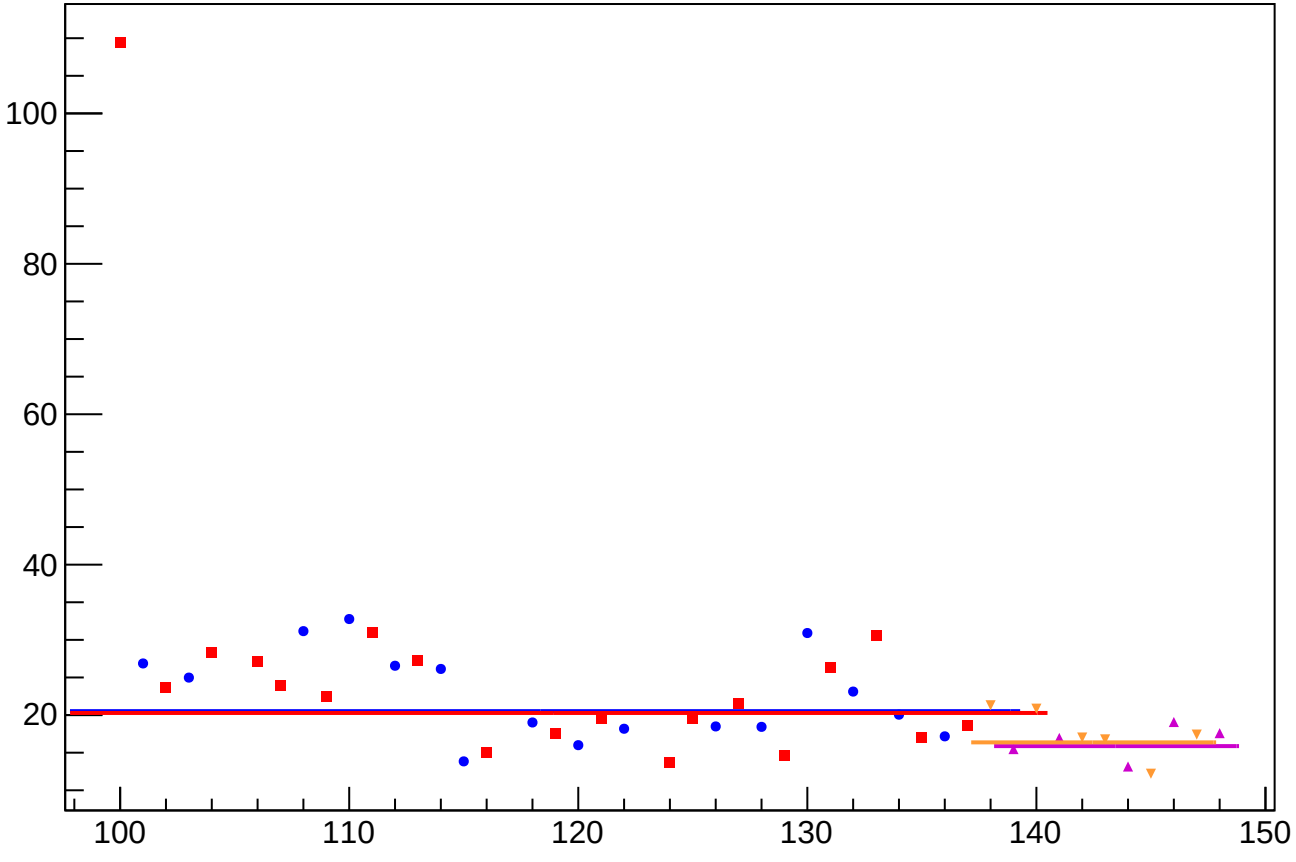
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: -0.001+/-0.004 χ^2/NDF: 50.1/45

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: 16.371+/-0.006 χ^2/NDF:332265.3/5

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

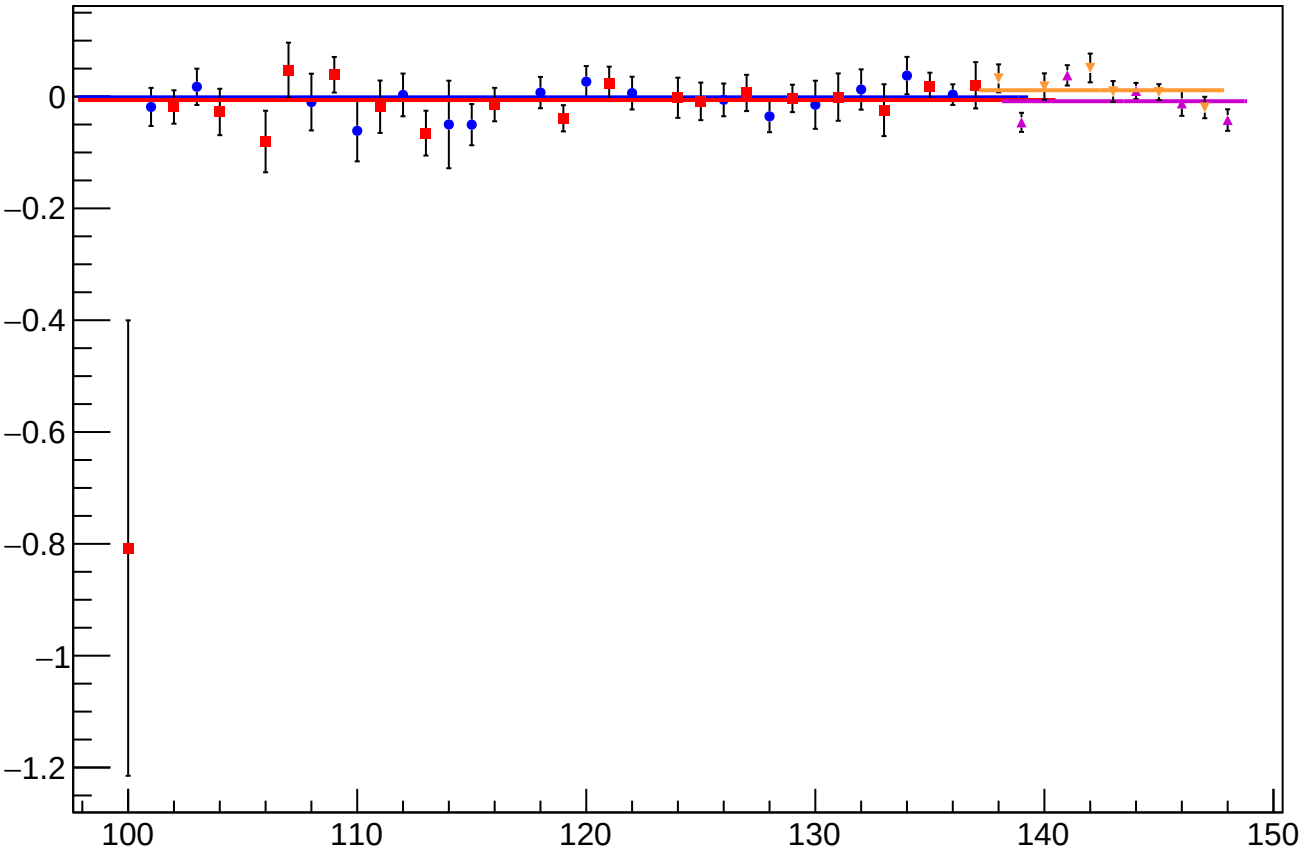
Left: 16.119+/-0.004 χ^2/NDF: 472771.4/10

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.156+/-0.004 χ^2/NDF:1181173.8/20

Out: 18.361+/-0.004 χ^2/NDF:1438375.8/24

All: 18.259+/-0.003 χ^2/NDF: 2620874.3/45



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.008 χ^2/NDF:16.1/4

Left: 0.001+/-0.006 χ^2/NDF: 25.0/10

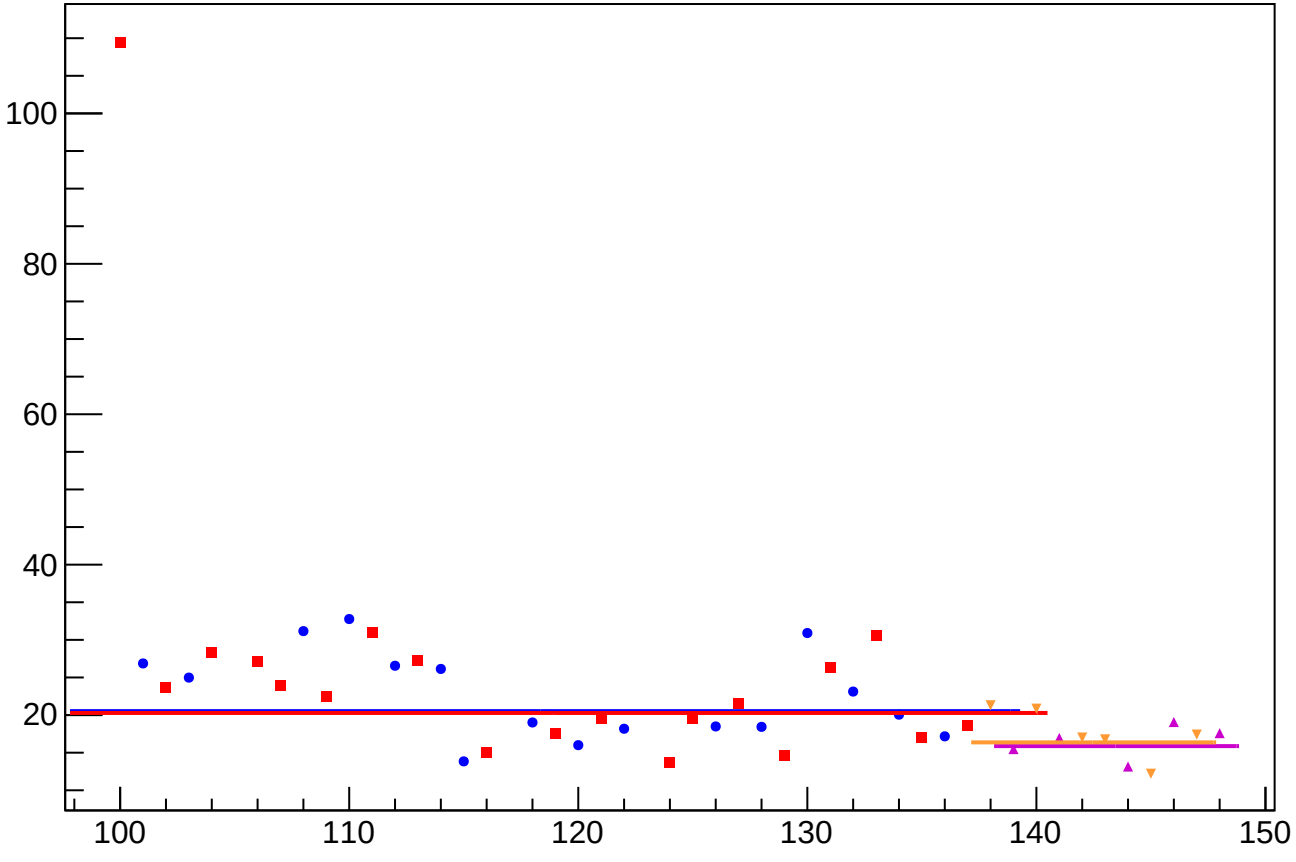
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: -0.001+/-0.004 χ^2/NDF: 50.1/45

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: 16.371+/-0.006 χ^2/NDF:332265.3/5

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

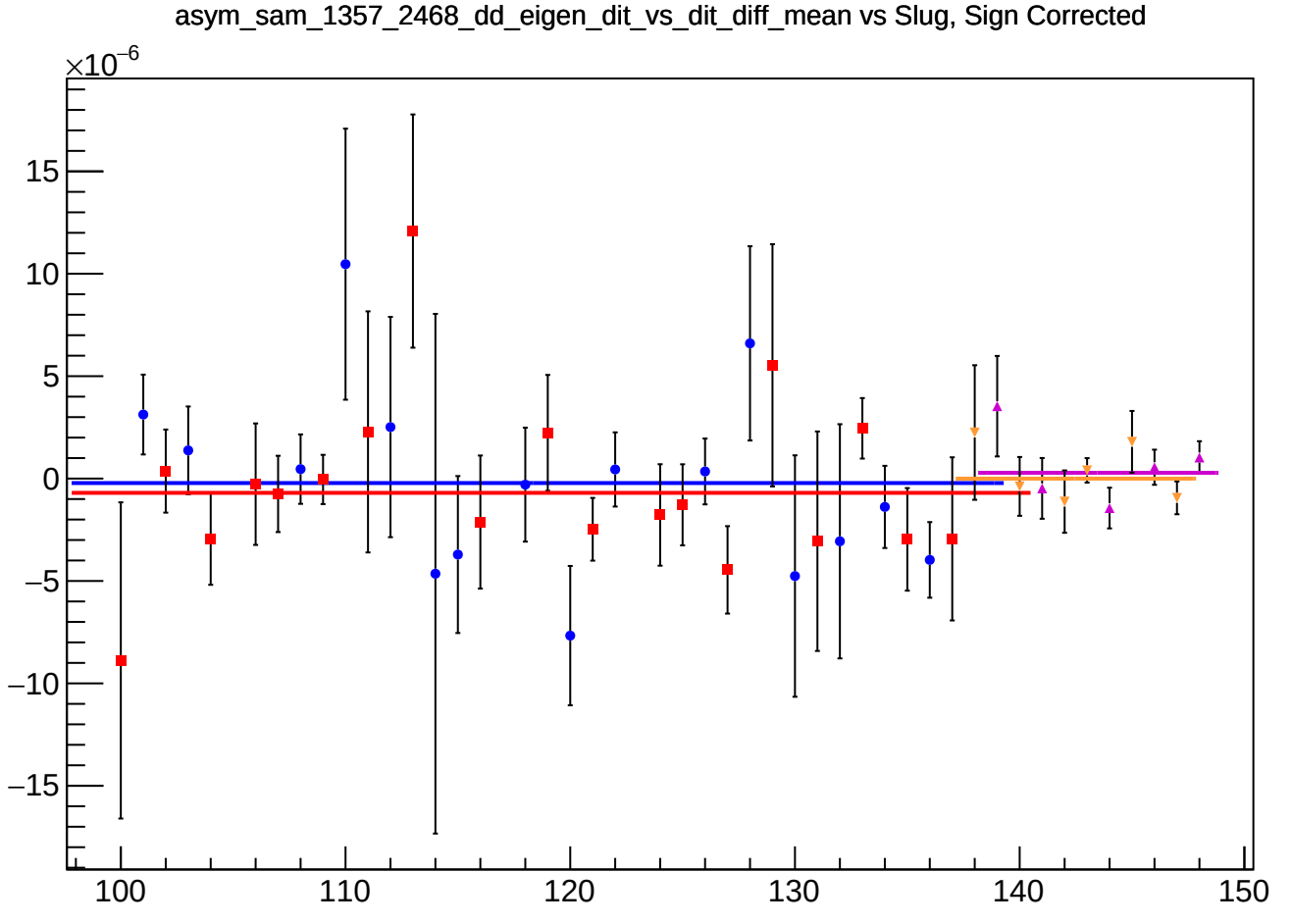
Left: 16.119+/-0.004 χ^2/NDF: 472771.4/10

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.156+/-0.004 χ^2/NDF:1181173.8/20

Out: 18.361+/-0.004 χ^2/NDF:1438375.8/24

All: 18.259+/-0.003 χ^2/NDF: 2620874.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/4

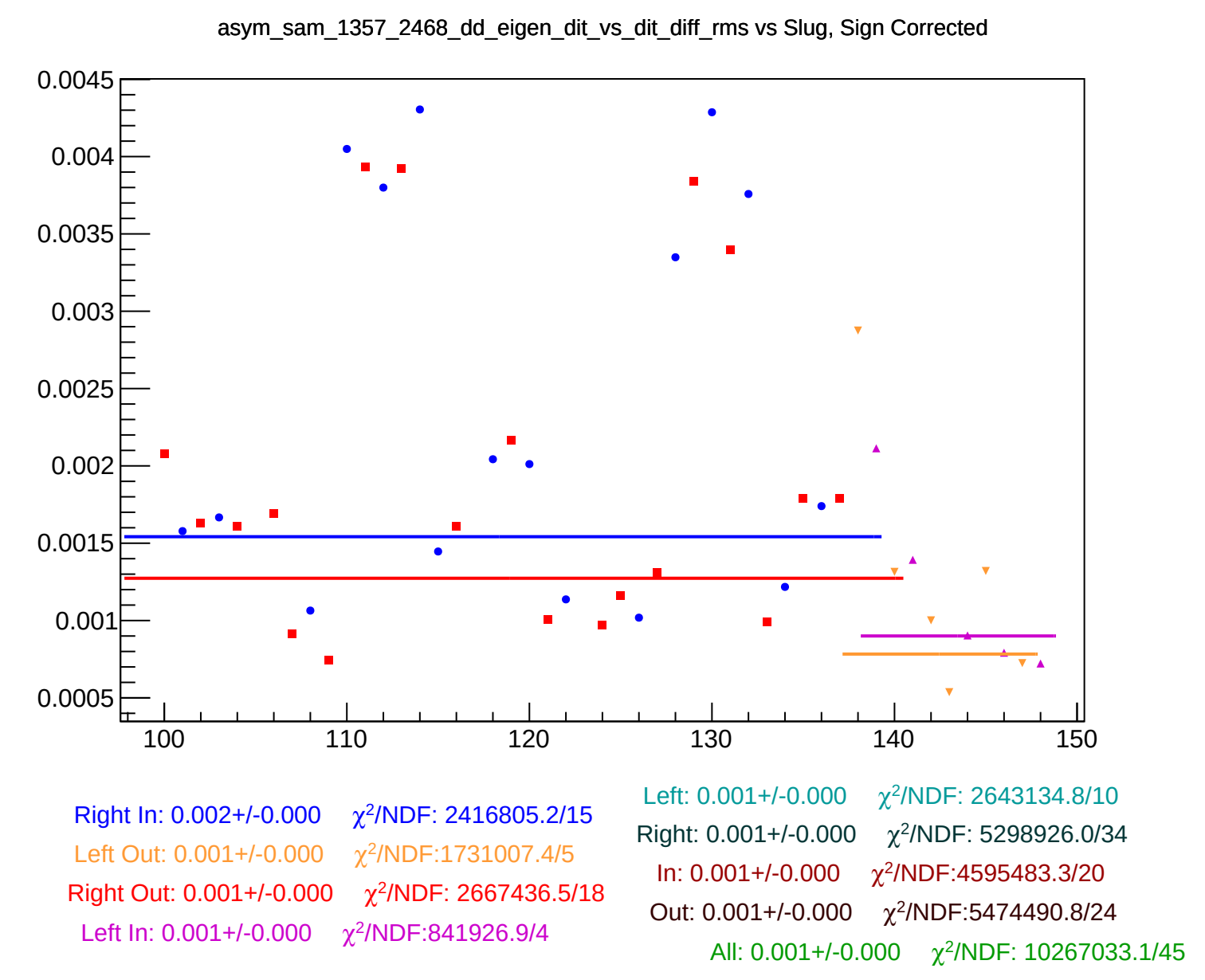
Left: 0.000+/-0.000 χ^2/NDF: 10.5/10

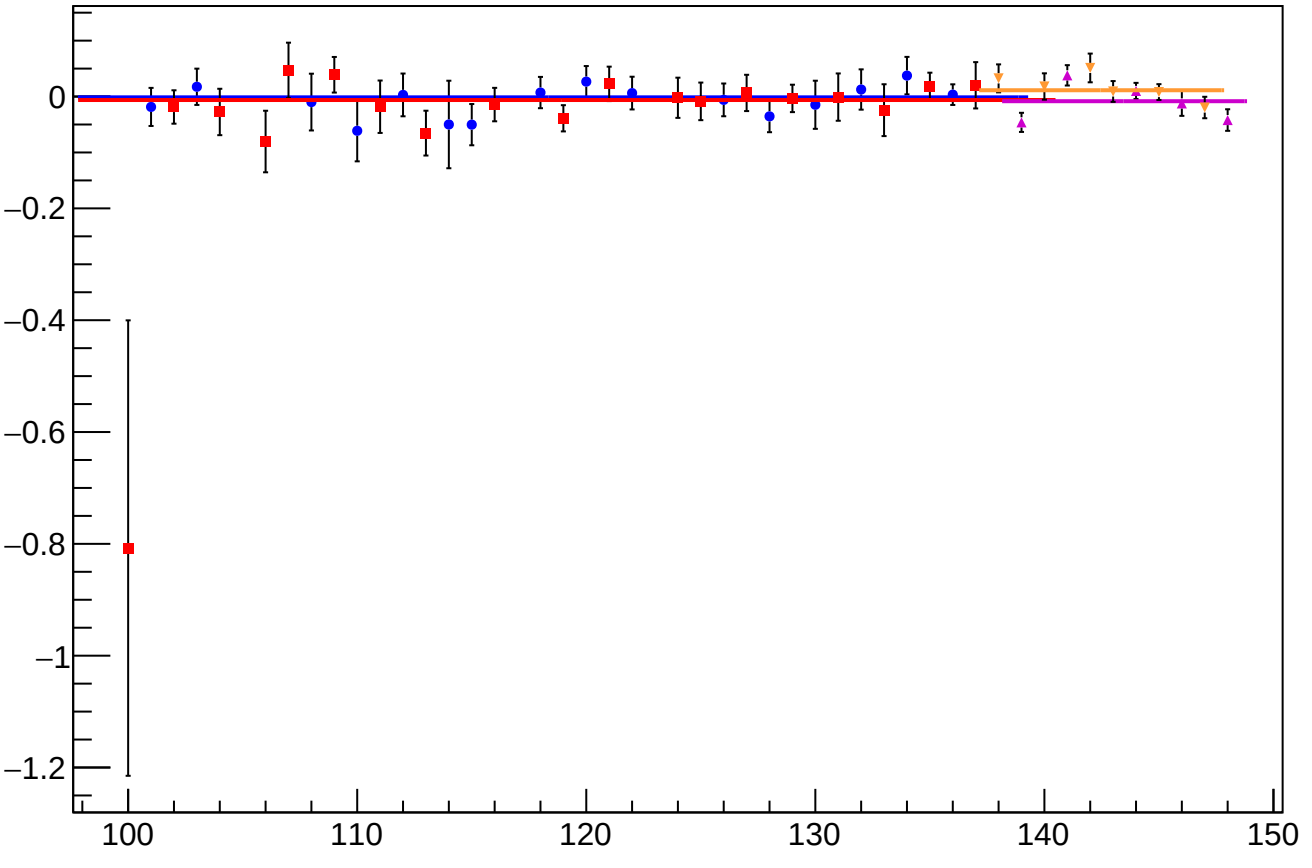
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:26.3/20

Out: -0.000+/-0.000 χ^2/NDF:26.4/24

All: -0.000+/-0.000 χ^2/NDF: 53.3/45


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:1731007.4/5
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:841926.9/4
Left: 0.001+/-0.000 χ²/NDF: 2643134.8/10
Right: 0.001+/-0.000 χ²/NDF: 5298926.0/34
In: 0.001+/-0.000 χ²/NDF:4595483.3/20
Out: 0.001+/-0.000 χ²/NDF:5474490.8/24
All: 0.001+/-0.000 χ²/NDF: 10267033.1/45



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.008 χ^2/NDF:16.1/4

Left: 0.001+/-0.006 χ^2/NDF: 25.0/10

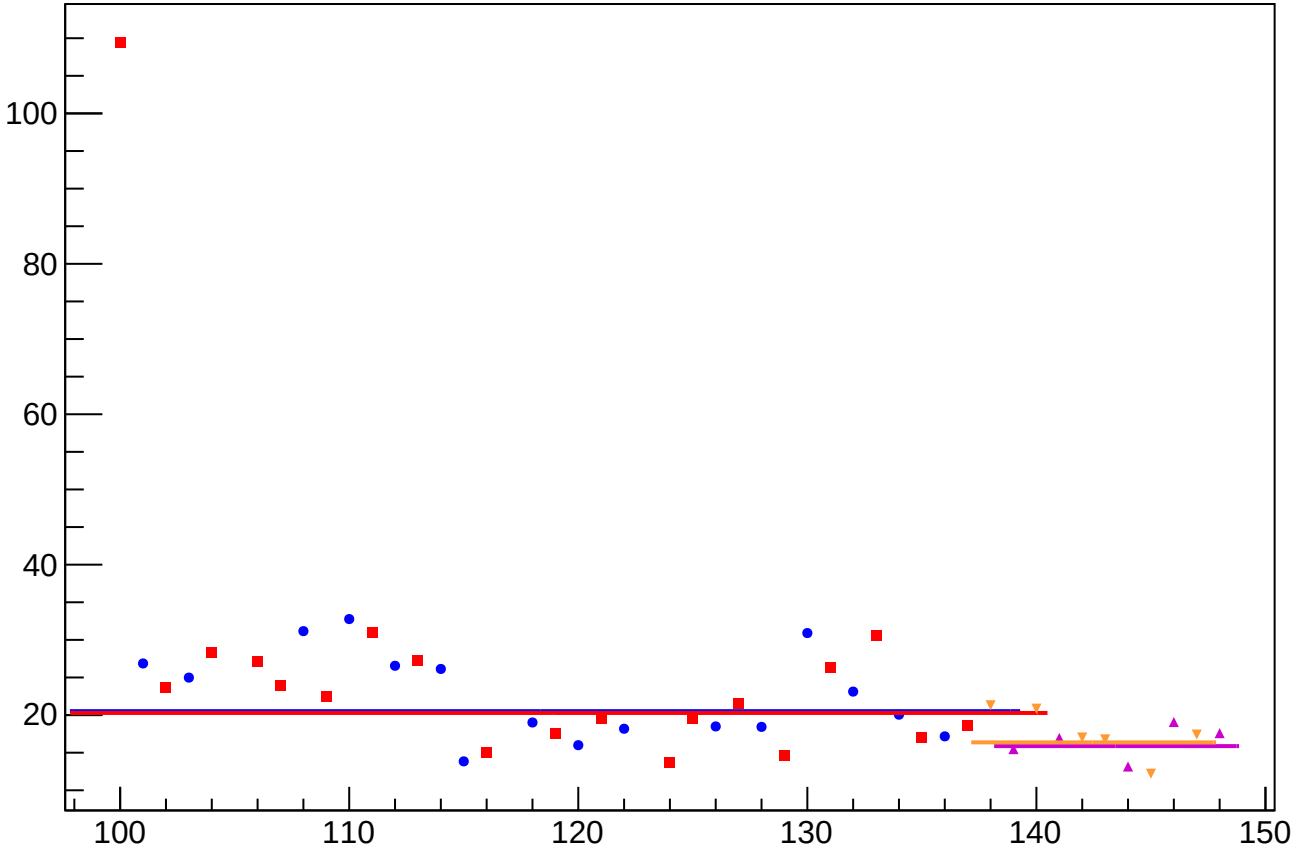
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: -0.001+/-0.004 χ^2/NDF: 50.1/45

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: 16.371+/-0.006 χ^2/NDF:332194.7/5

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.874+/-0.006 χ^2/NDF:136620.1/4

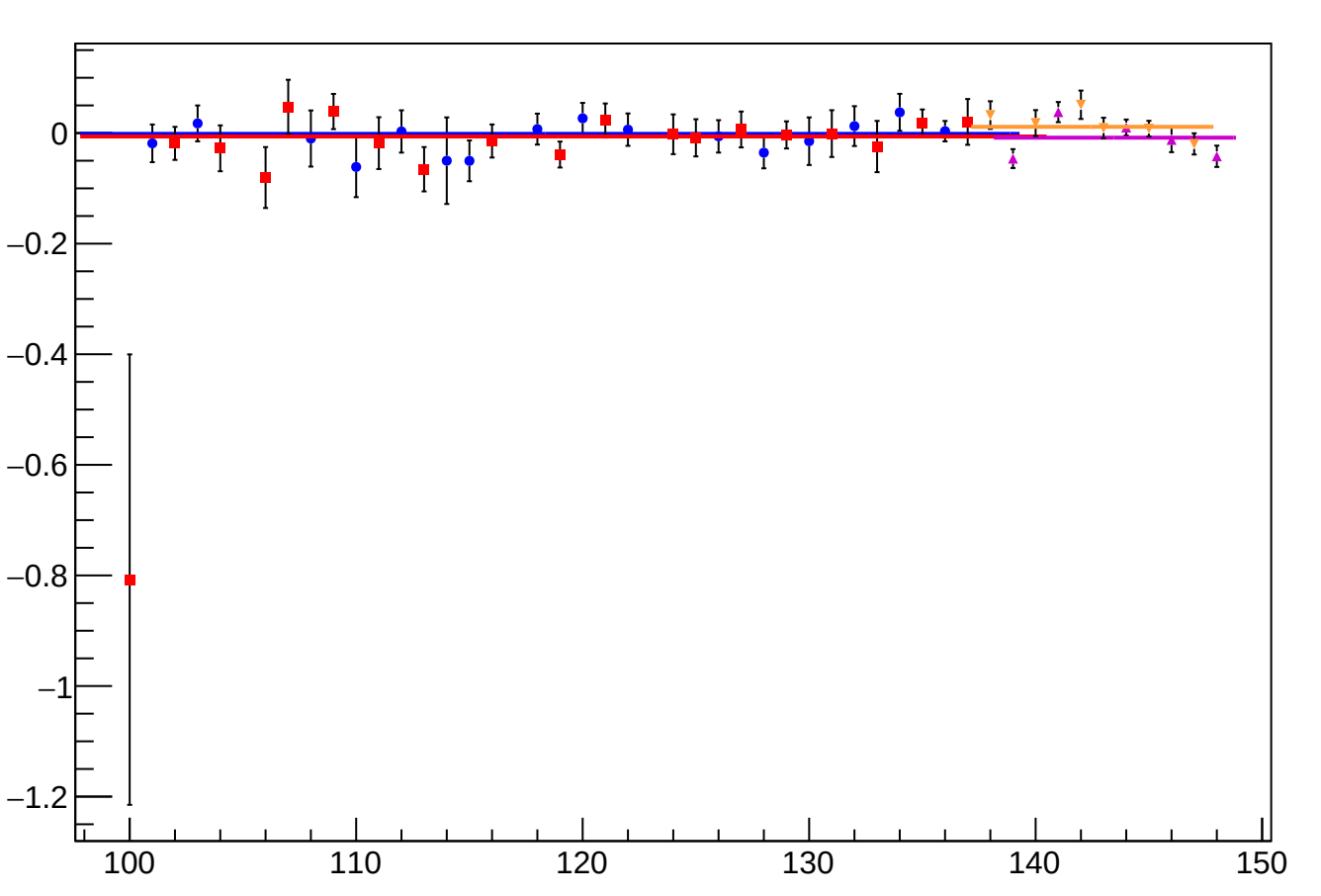
Left: 16.119+/-0.004 χ^2/NDF: 472703.5/10

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.155+/-0.004 χ^2/NDF:1180990.5/20

Out: 18.360+/-0.004 χ^2/NDF:1438209.3/24

All: 18.258+/-0.003 χ^2/NDF: 2620525.3/45



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.008 χ^2/NDF:16.1/4

Left: 0.001+/-0.006 χ^2/NDF: 25.0/10

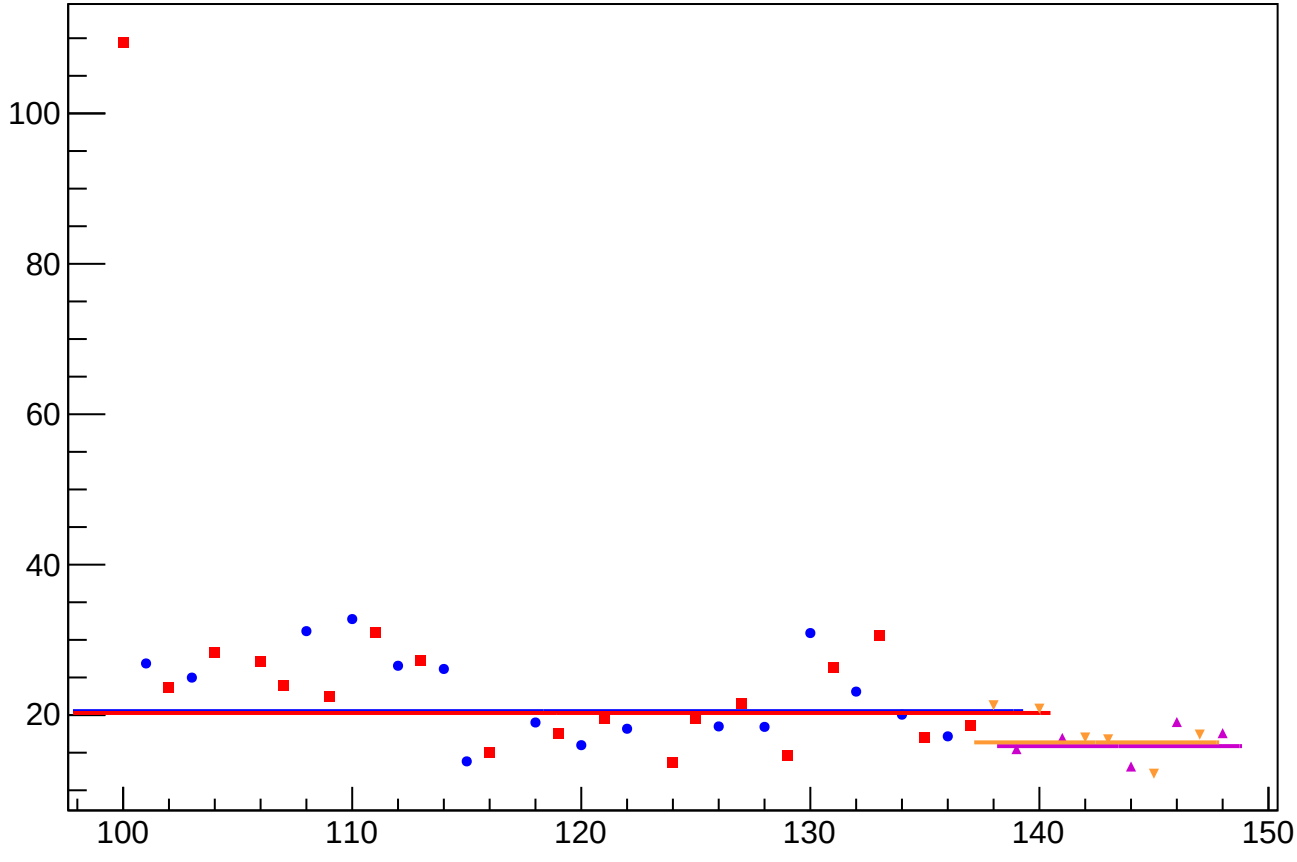
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: -0.001+/-0.004 χ^2/NDF: 50.1/45

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: 16.371+/-0.006 χ^2/NDF:332194.7/5

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.874+/-0.006 χ^2/NDF:136620.1/4

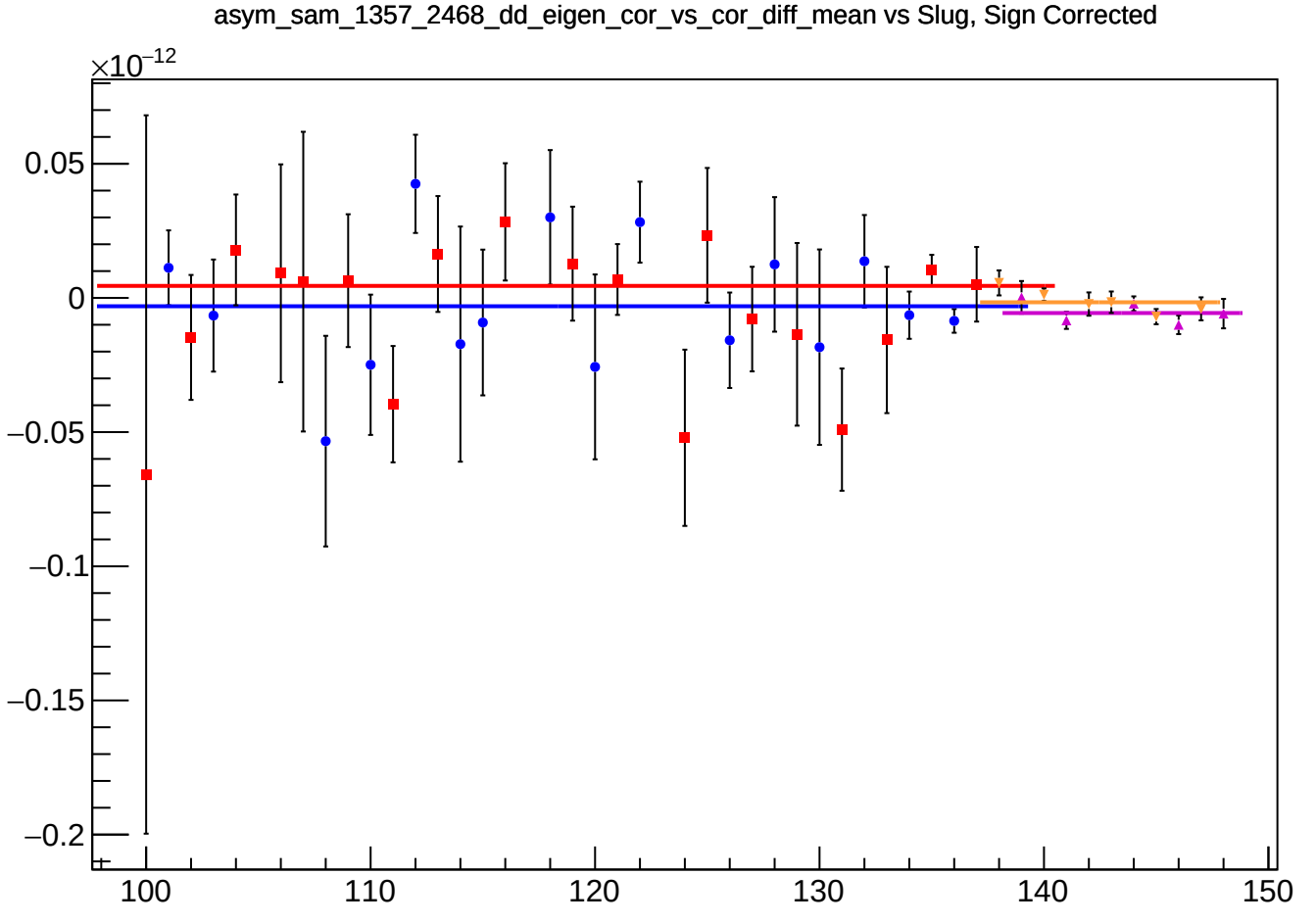
Left: 16.119+/-0.004 χ^2/NDF: 472703.5/10

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.155+/-0.004 χ^2/NDF:1180990.5/20

Out: 18.360+/-0.004 χ^2/NDF:1438209.3/24

All: 18.258+/-0.003 χ^2/NDF: 2620525.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/4

Left: -0.000+/-0.000 χ^2/NDF: 16.2/10

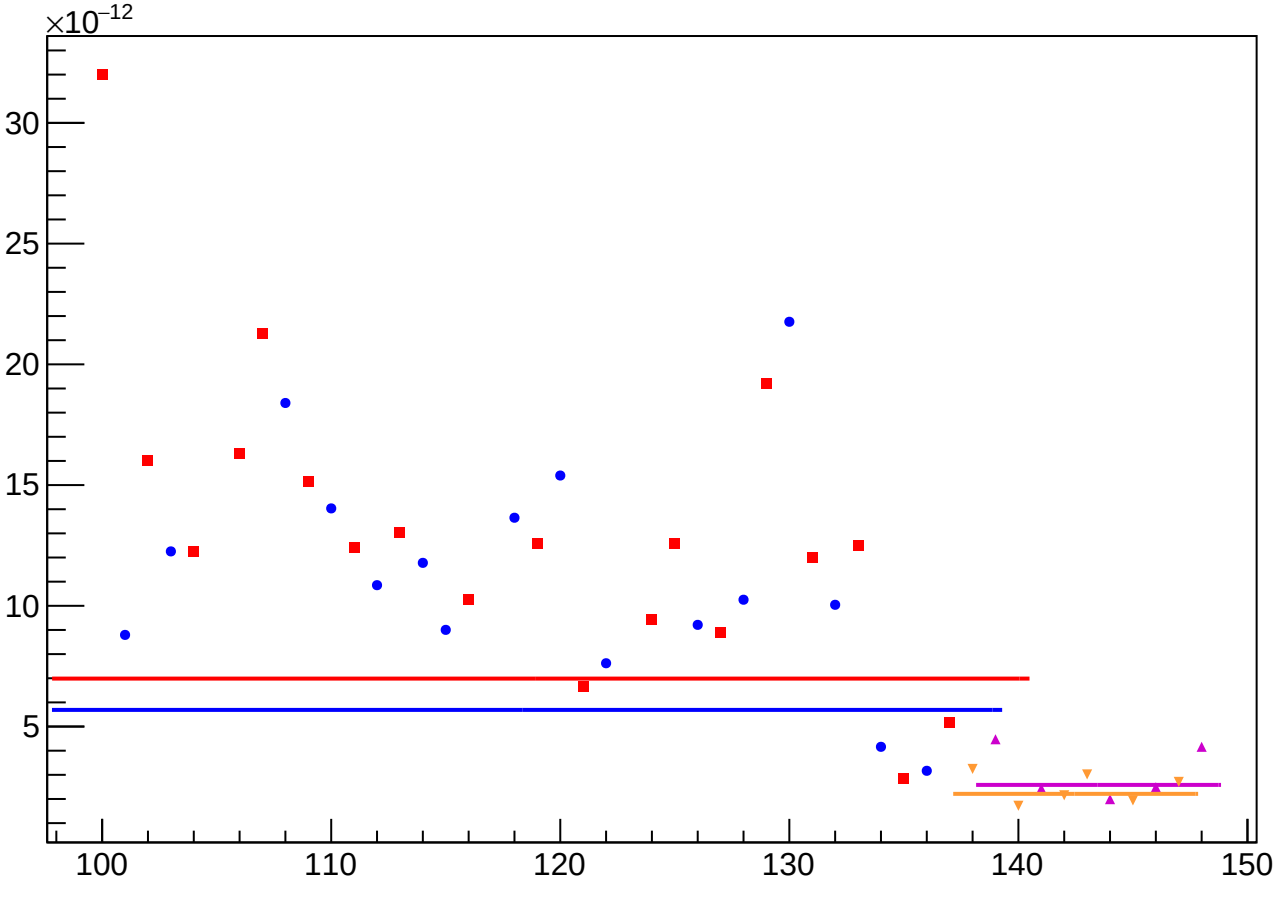
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:25.4/20

Out: -0.000+/-0.000 χ^2/NDF:28.5/24

All: -0.000+/-0.000 χ^2/NDF: 58.5/45

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:311523.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:460977.3/4

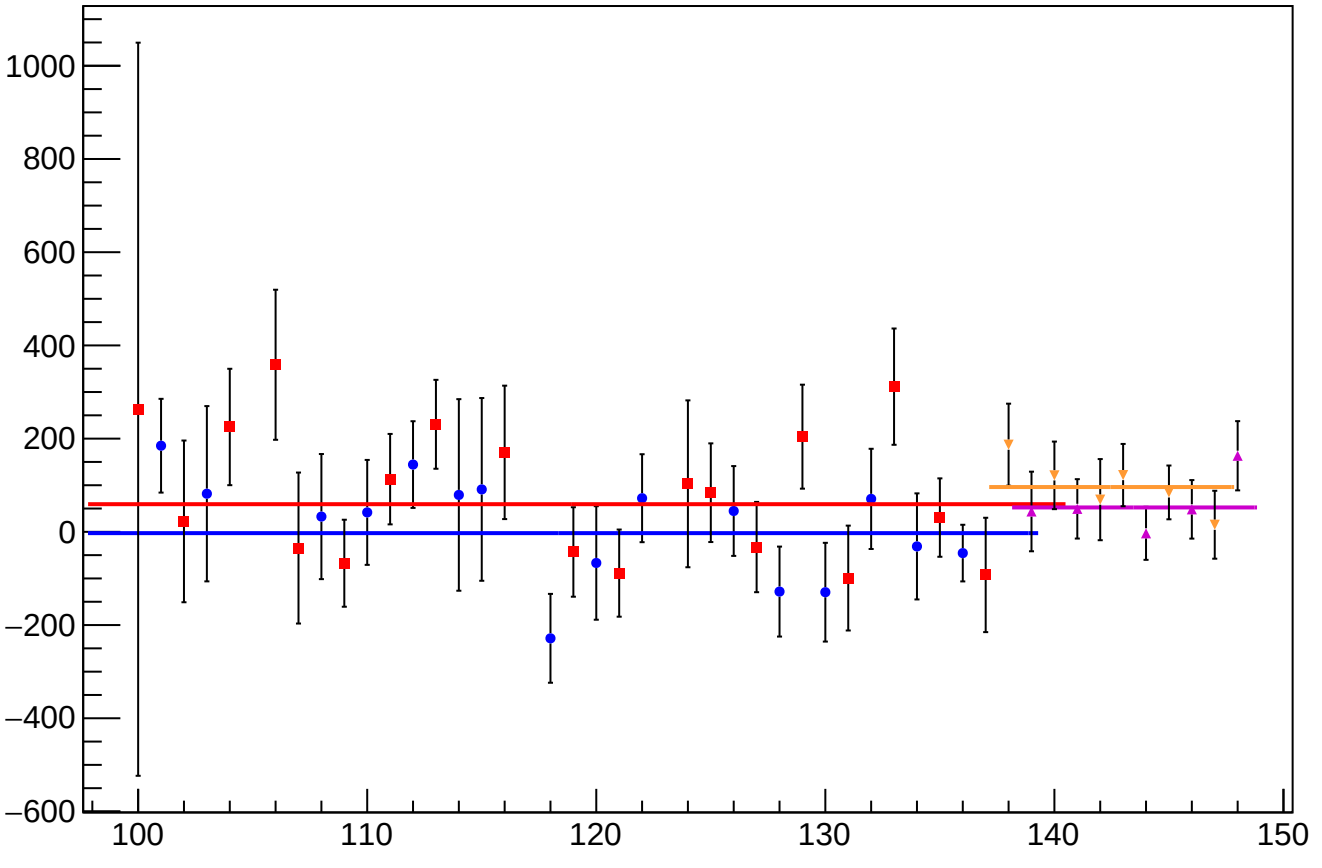
Left: 0.000+/-0.000 χ^2/NDF: 832726.3/10

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:4623844.9/20

Out: 0.000+/-0.000 χ^2/NDF:6122233.4/24

All: 0.000+/-0.000 χ^2/NDF: 10849654.0/45



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.117+/-29.312 χ^2/NDF:2.7/5

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 52.339+/-29.786 χ^2/NDF:3.2/4

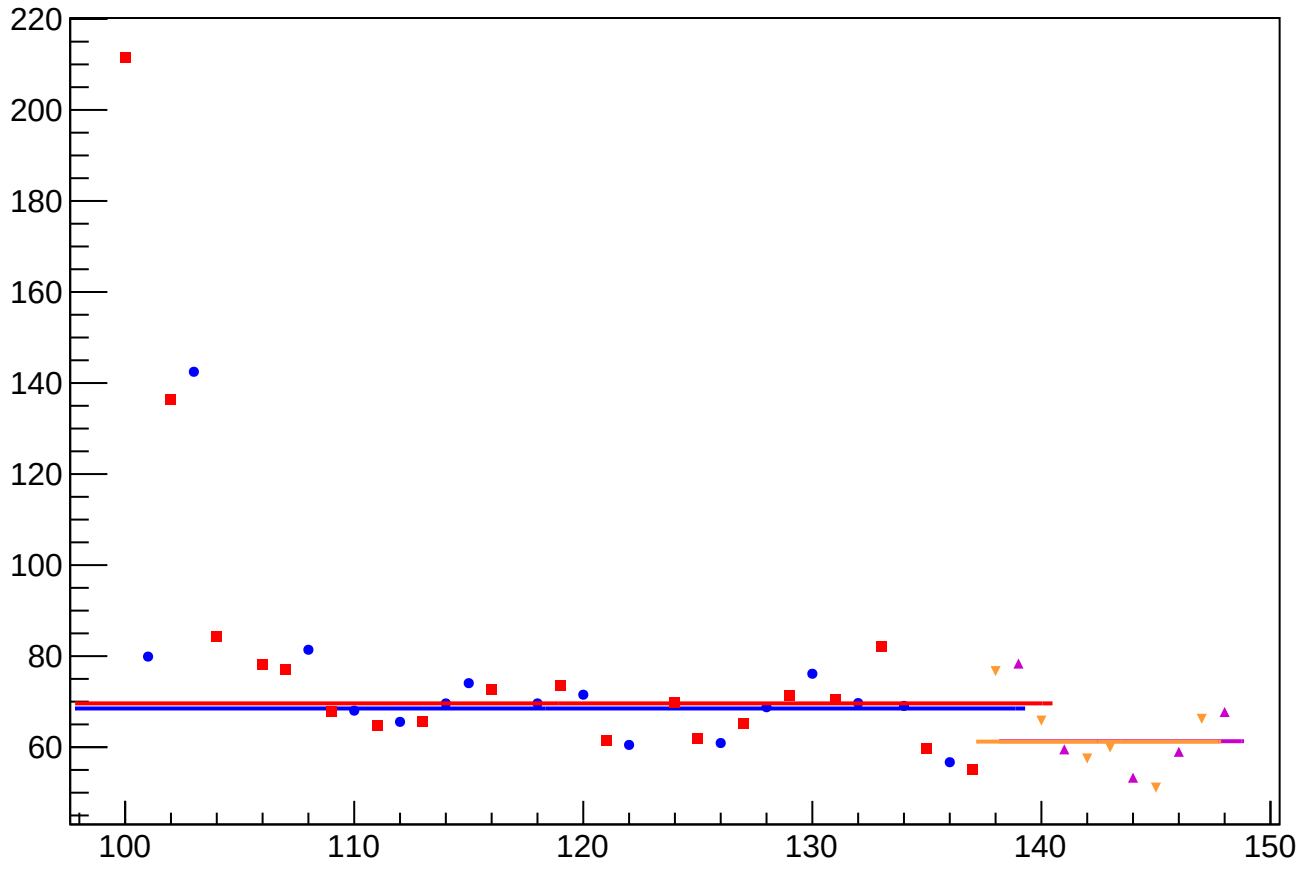
Left: 74.579+/-20.892 χ^2/NDF: 7.0/10

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 21.285+/-19.678 χ^2/NDF:22.8/20

Out: 75.804+/-19.609 χ^2/NDF:29.3/24

All: 48.640+/-13.890 χ^2/NDF: 56.0/45



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

Left: 61.266+/-0.015 χ^2/NDF: 283830.4/10

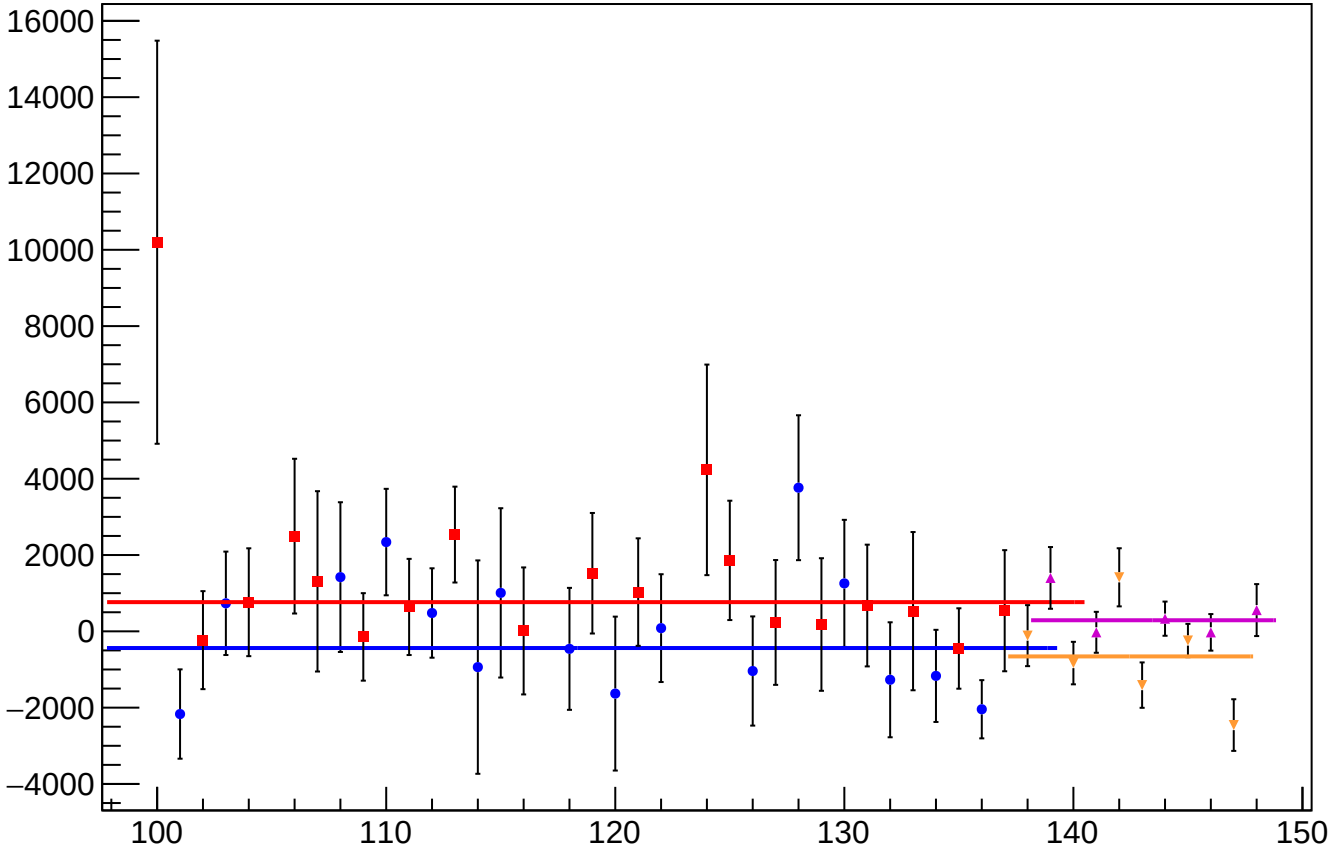
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 65.361+/-0.014 χ^2/NDF:676143.6/20

Out: 65.862+/-0.014 χ^2/NDF:756258.8/24

All: 65.612+/-0.010 χ^2/NDF: 1433050.8/45

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: -657.439+/-244.168 χ^2/NDF:17.6/5

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 290.431+/-246.170 χ^2/NDF:2.8/4

Left: -187.374+/-173.357 χ^2/NDF: 27.9/10

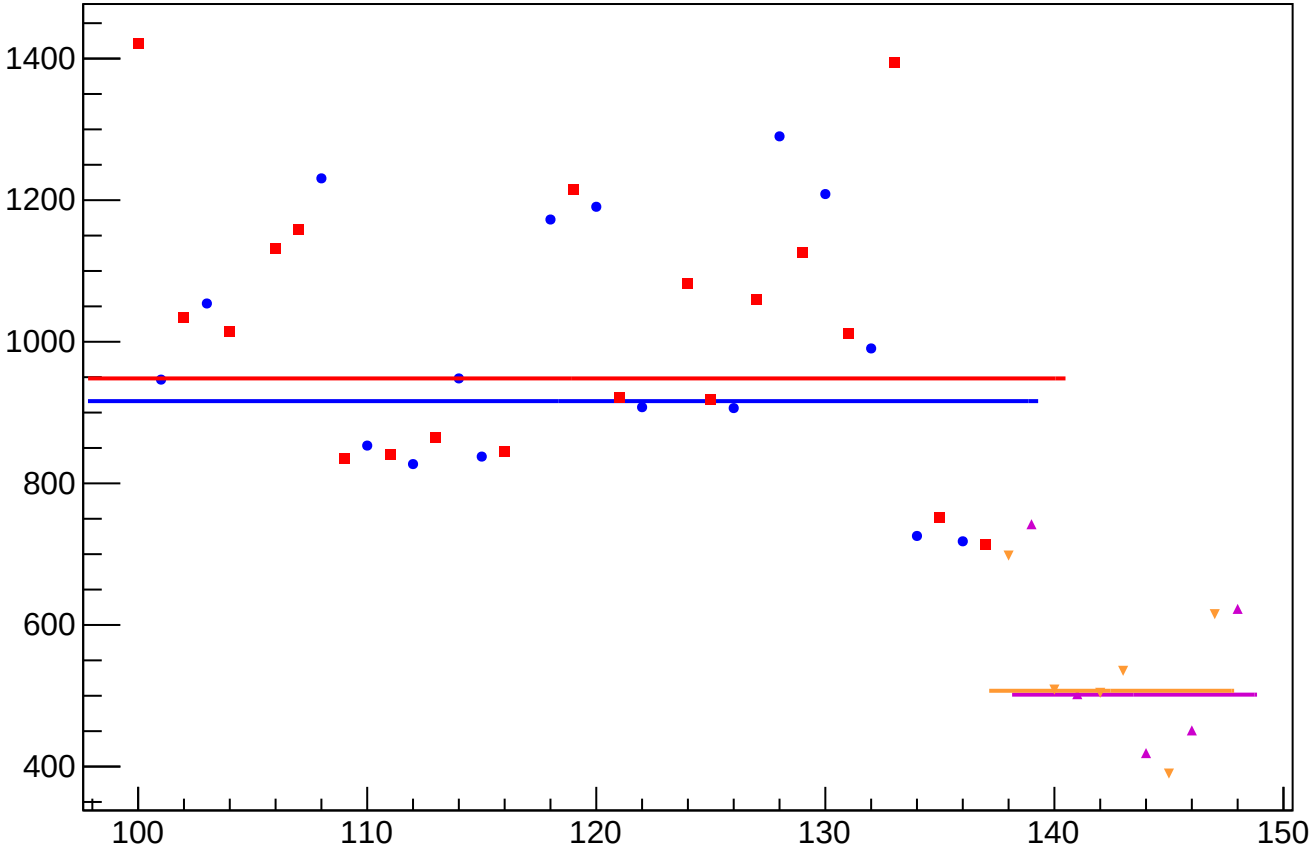
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 48.494+/-201.140 χ^2/NDF:26.3/20

Out: -197.102+/-200.820 χ^2/NDF:39.9/24

All: -74.499+/-142.114 χ^2/NDF: 66.9/45

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: 507.056+/-0.173 χ^2/NDF:313405.6/5

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330544.9/4

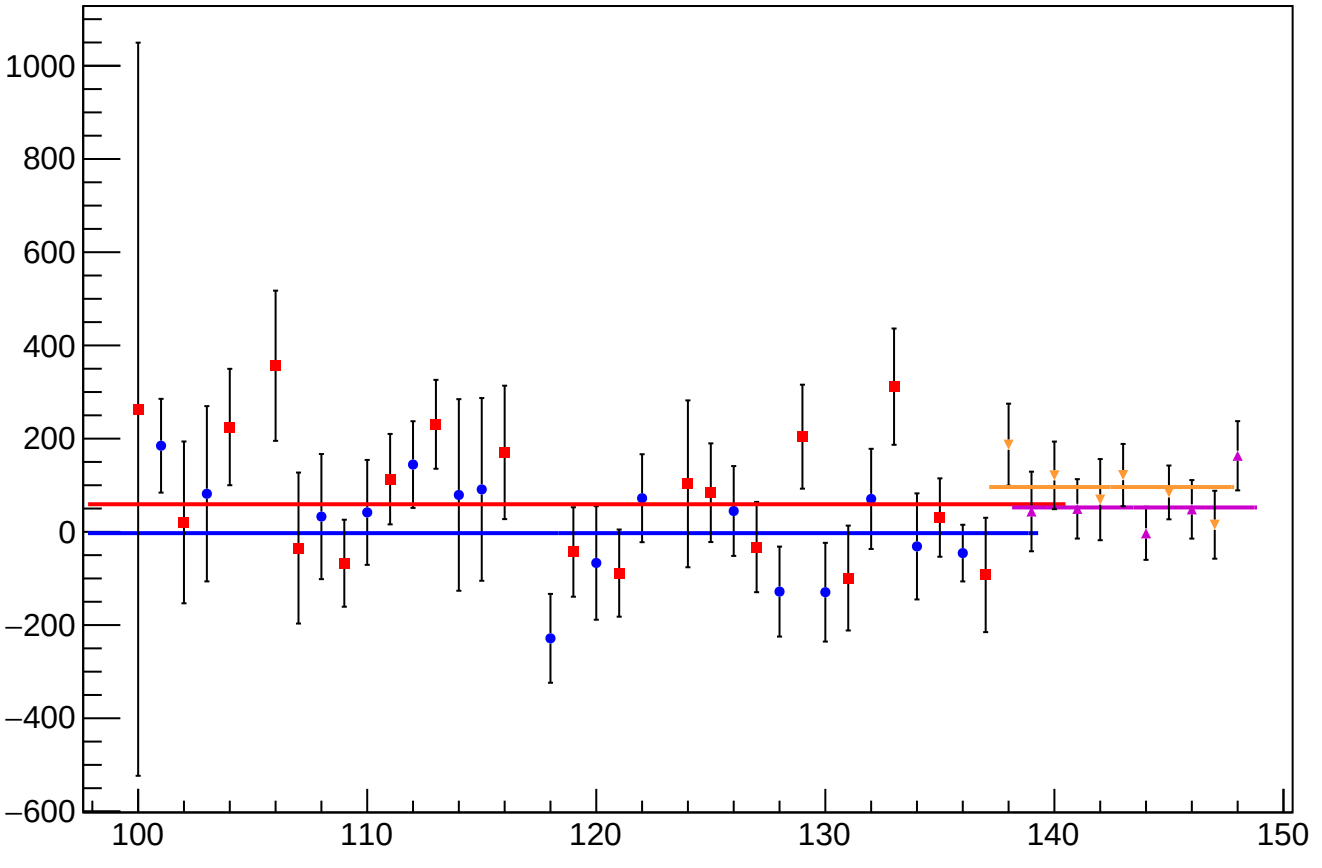
Left: 504.344+/-0.123 χ^2/NDF: 644448.1/10

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 639.389+/-0.142 χ^2/NDF:2725176.9/20

Out: 649.799+/-0.142 χ^2/NDF:2841208.9/24

All: 644.602+/-0.100 χ^2/NDF: 5569068.3/45



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.128+/-29.312 χ^2/NDF:2.7/5

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 52.344+/-29.786 χ^2/NDF:3.2/4

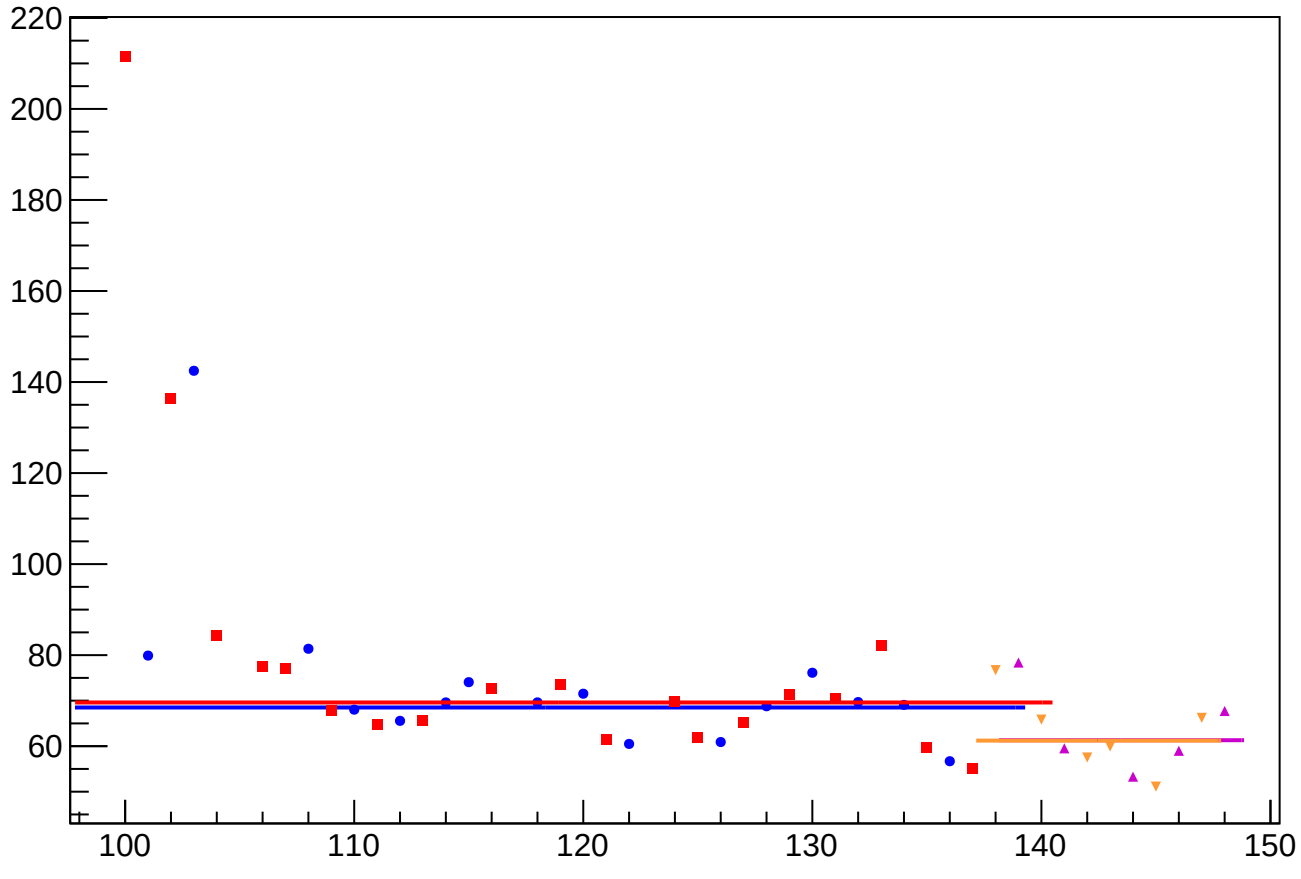
Left: 74.586+/-20.892 χ^2/NDF: 7.0/10

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 21.283+/-19.678 χ^2/NDF:22.8/20

Out: 75.742+/-19.610 χ^2/NDF:29.2/24

All: 48.607+/-13.890 χ^2/NDF: 55.9/45



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

Left: 61.266+/-0.015 χ^2/NDF: 283830.4/10

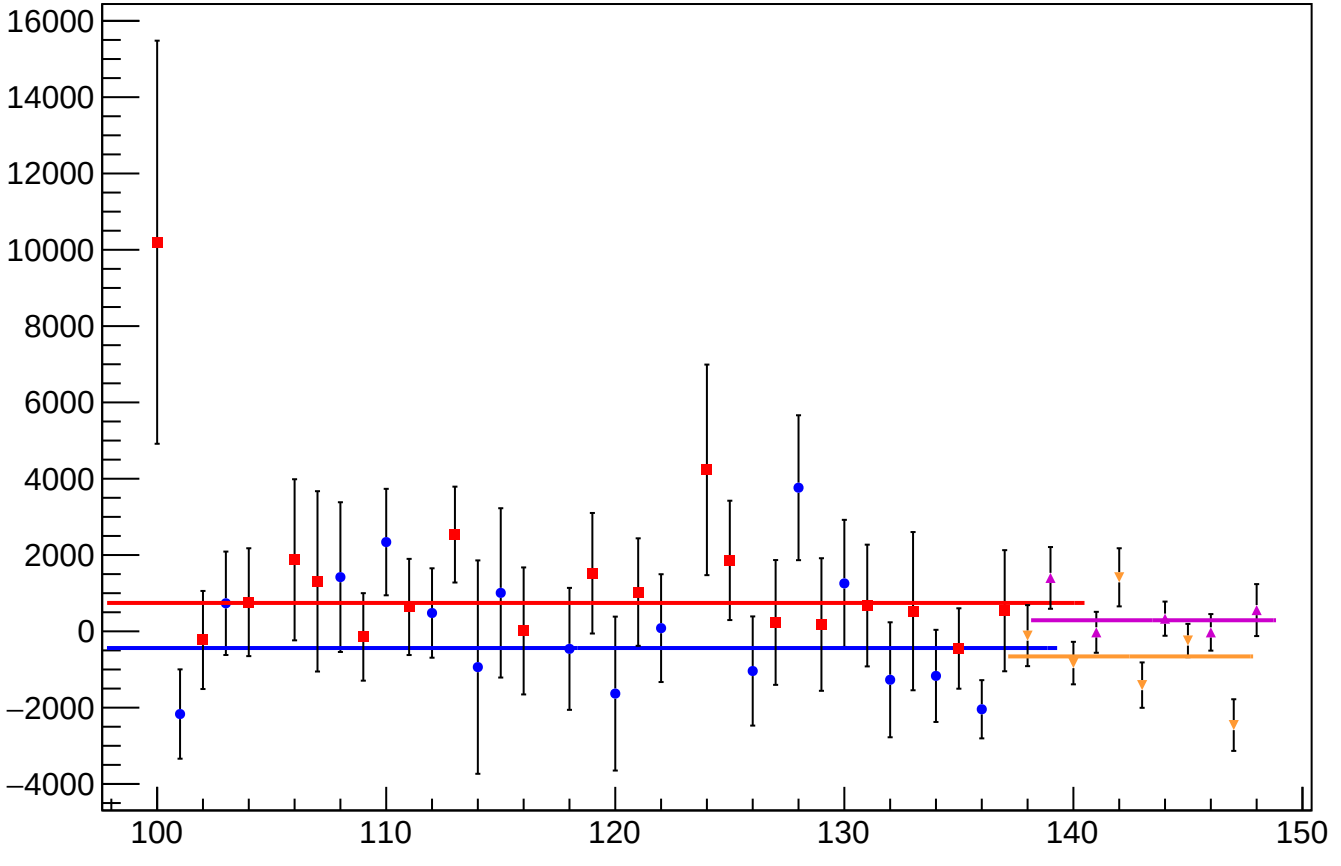
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.361+/-0.014 χ^2/NDF:676146.6/20

Out: 65.851+/-0.014 χ^2/NDF:755225.1/24

All: 65.607+/-0.010 χ^2/NDF: 1431992.4/45

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: -657.428+/-244.168 χ^2/NDF:17.6/5

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 290.437+/-246.170 χ^2/NDF:2.8/4

Left: -187.366+/-173.357 χ^2/NDF: 27.9/10

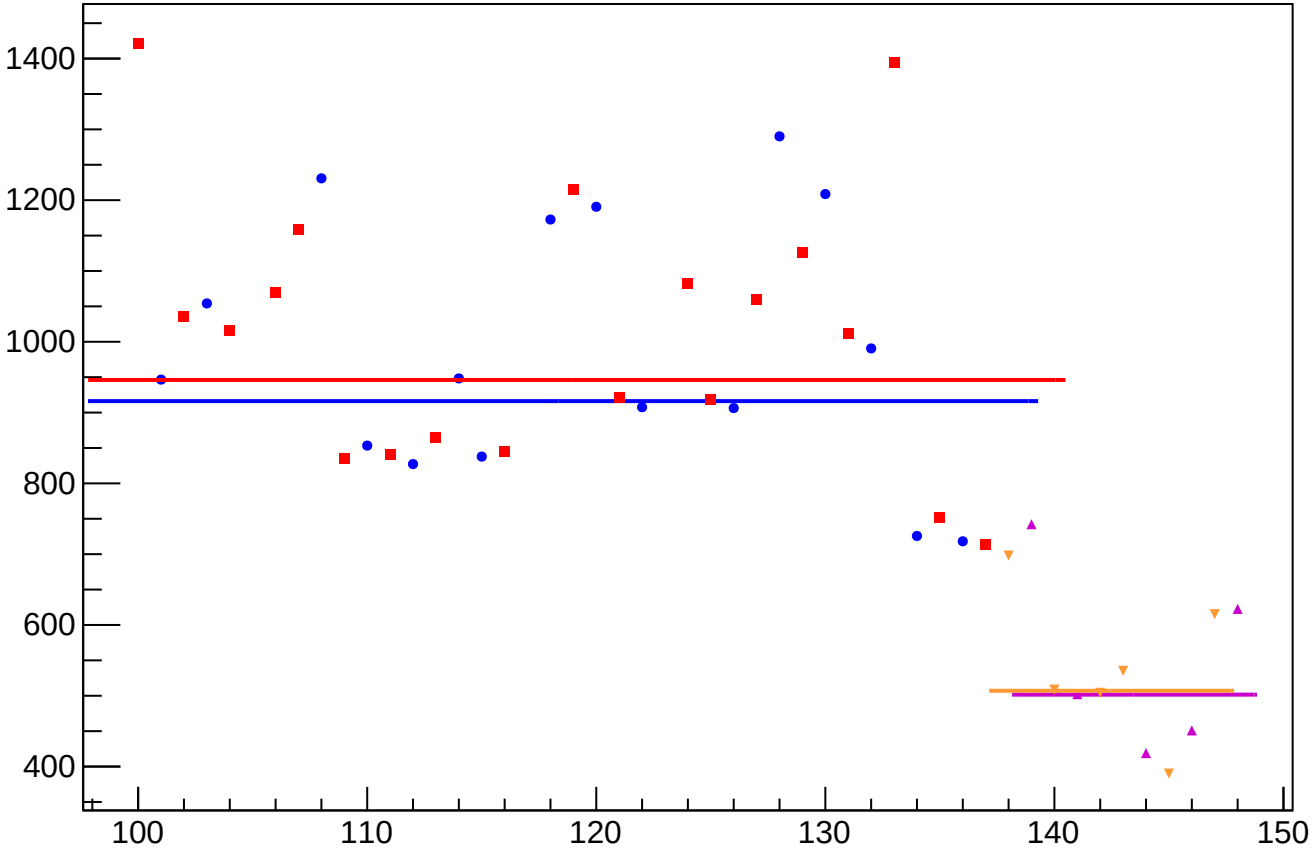
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 48.510+/-201.140 χ^2/NDF:26.3/20

Out: -204.631+/-200.900 χ^2/NDF:39.1/24

All: -78.211+/-142.143 χ^2/NDF: 66.1/45

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 507.056+/-0.173 χ^2/NDF:313406.4/5

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

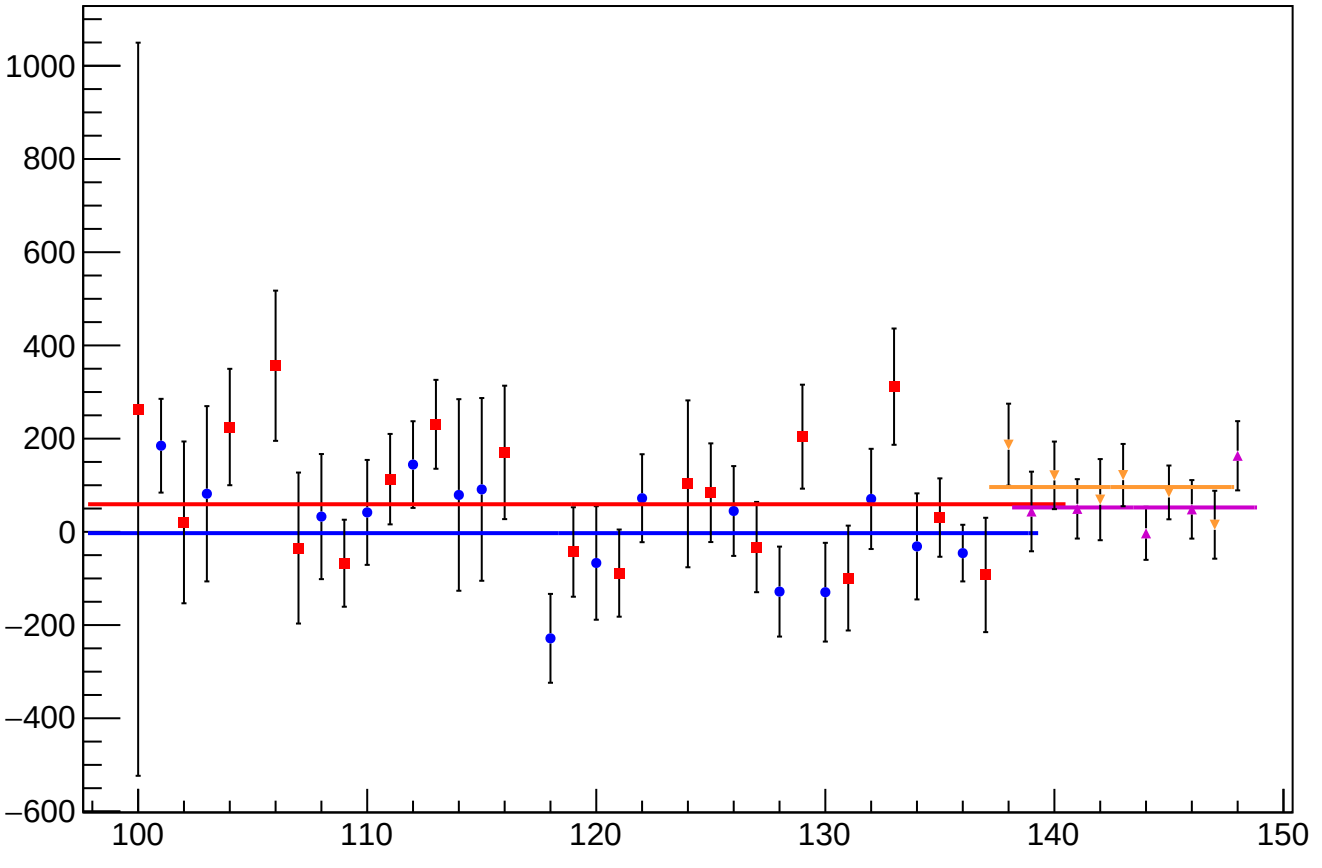
Left: 504.344+/-0.123 χ^2/NDF: 644447.6/10

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.390+/-0.142 χ^2/NDF:2725218.2/20

Out: 648.868+/-0.142 χ^2/NDF:2807470.9/24

All: 644.134+/-0.101 χ^2/NDF: 5534912.3/45



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.128+/-29.312 χ^2/NDF:2.7/5

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 52.344+/-29.786 χ^2/NDF:3.2/4

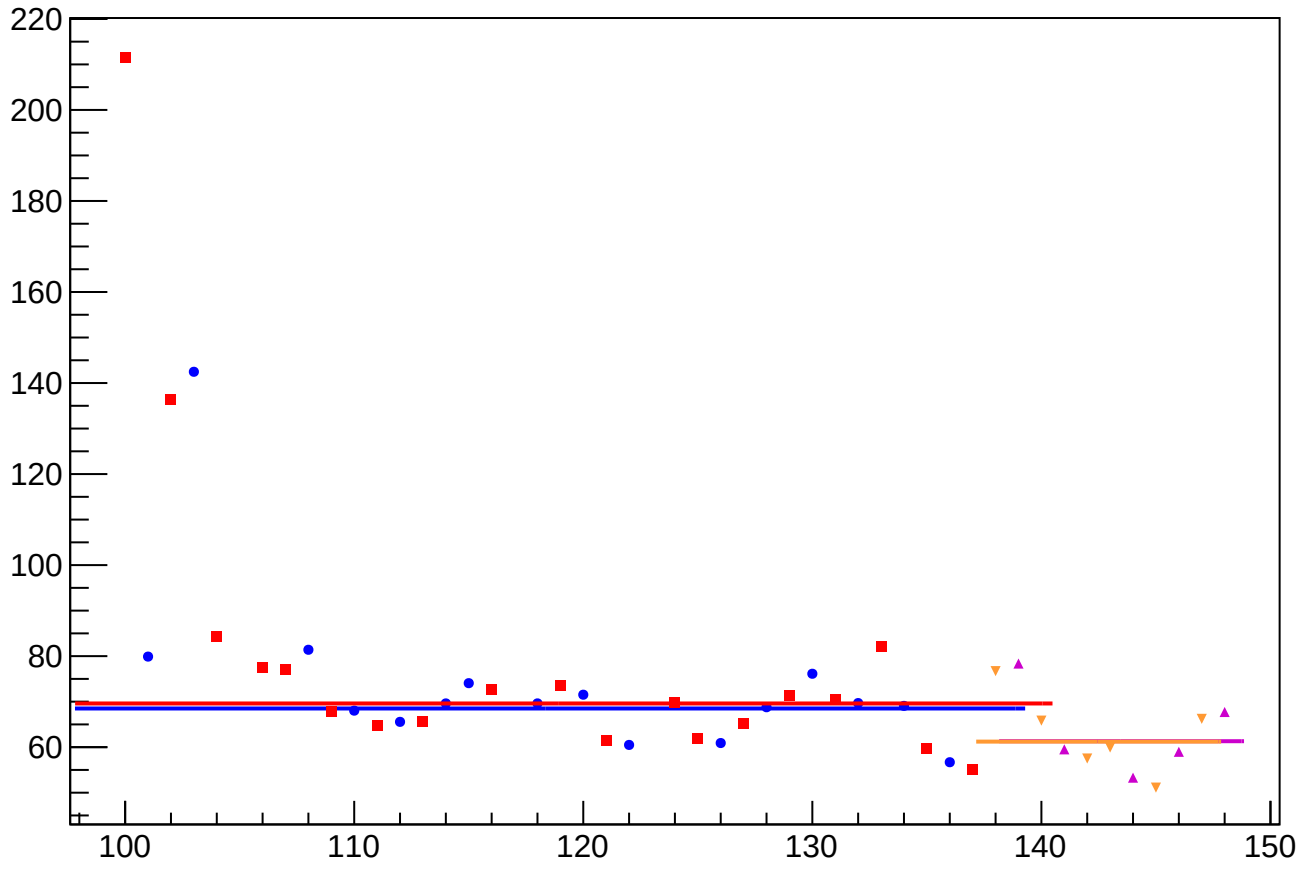
Left: 74.586+/-20.892 χ^2/NDF: 7.0/10

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 21.283+/-19.678 χ^2/NDF:22.8/20

Out: 75.742+/-19.610 χ^2/NDF:29.2/24

All: 48.607+/-13.890 χ^2/NDF: 55.9/45



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.311+/-0.021 χ^2/NDF:138645.4/4

Left: 61.266+/-0.015 χ^2/NDF: 283830.4/10

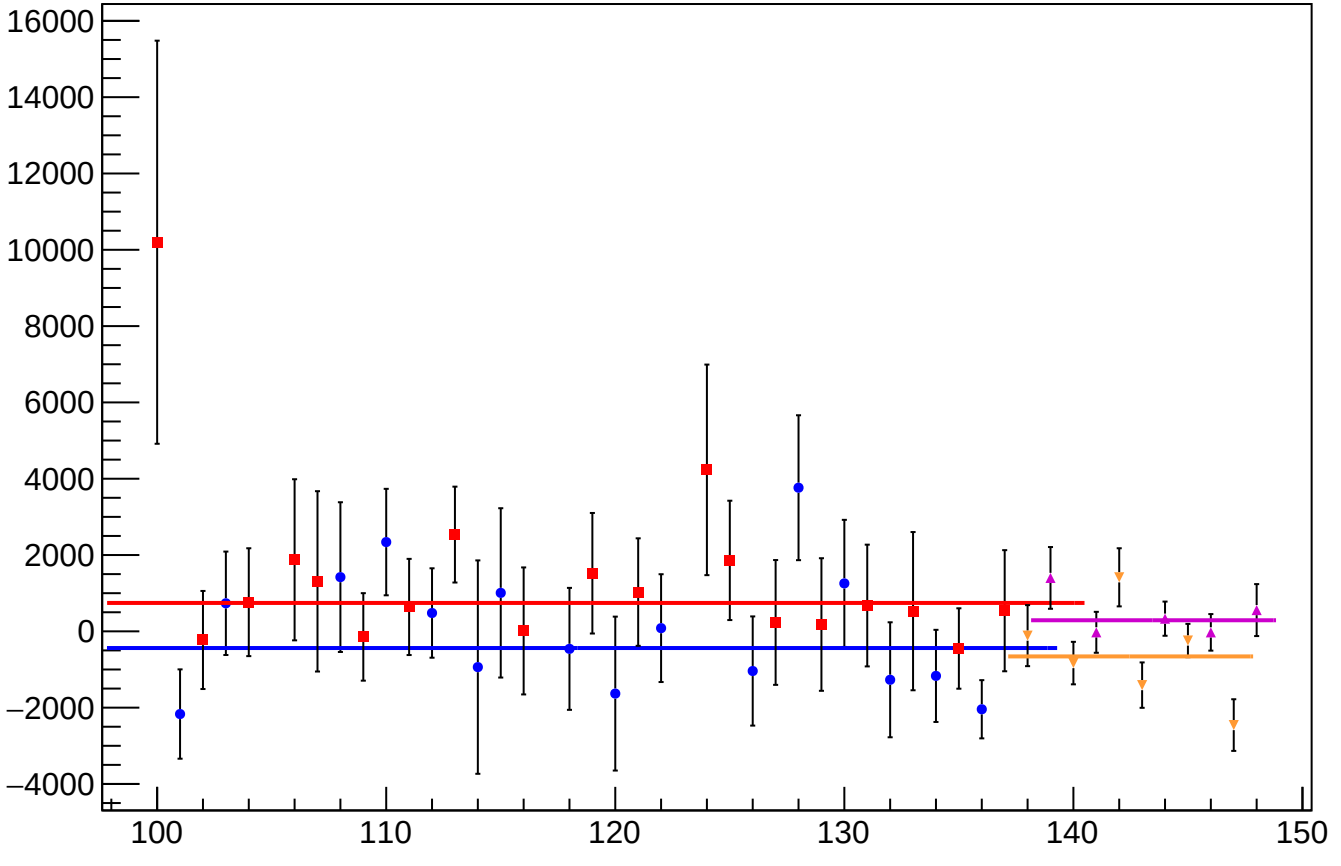
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.361+/-0.014 χ^2/NDF:676146.6/20

Out: 65.851+/-0.014 χ^2/NDF:755225.1/24

All: 65.607+/-0.010 χ^2/NDF: 1431992.4/45

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: -657.428+/-244.168 χ^2/NDF:17.6/5

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 290.437+/-246.170 χ^2/NDF:2.8/4

Left: -187.366+/-173.357 χ^2/NDF: 27.9/10

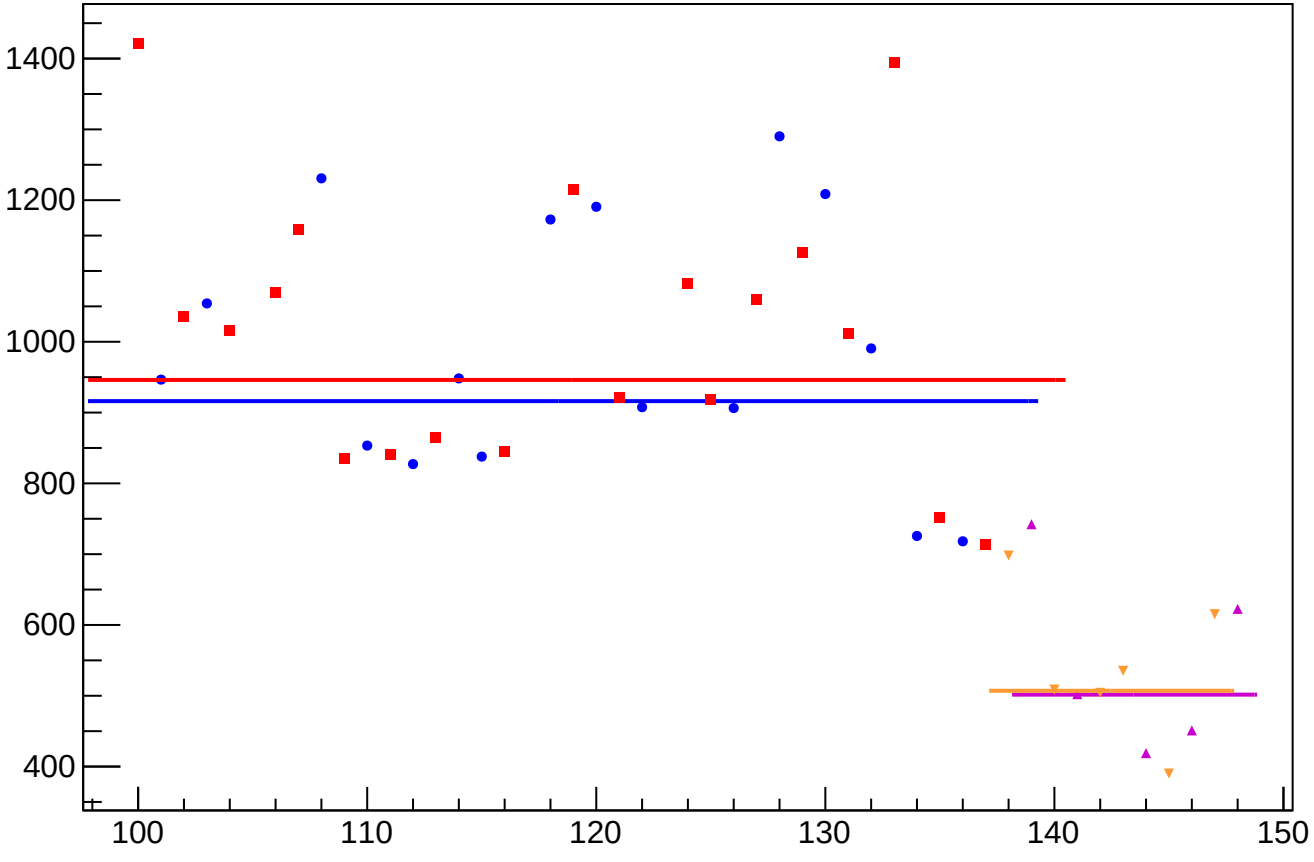
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 48.510+/-201.140 χ^2/NDF:26.3/20

Out: -204.631+/-200.900 χ^2/NDF:39.1/24

All: -78.211+/-142.143 χ^2/NDF: 66.1/45

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 507.056+/-0.173 χ^2/NDF:313406.4/5

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

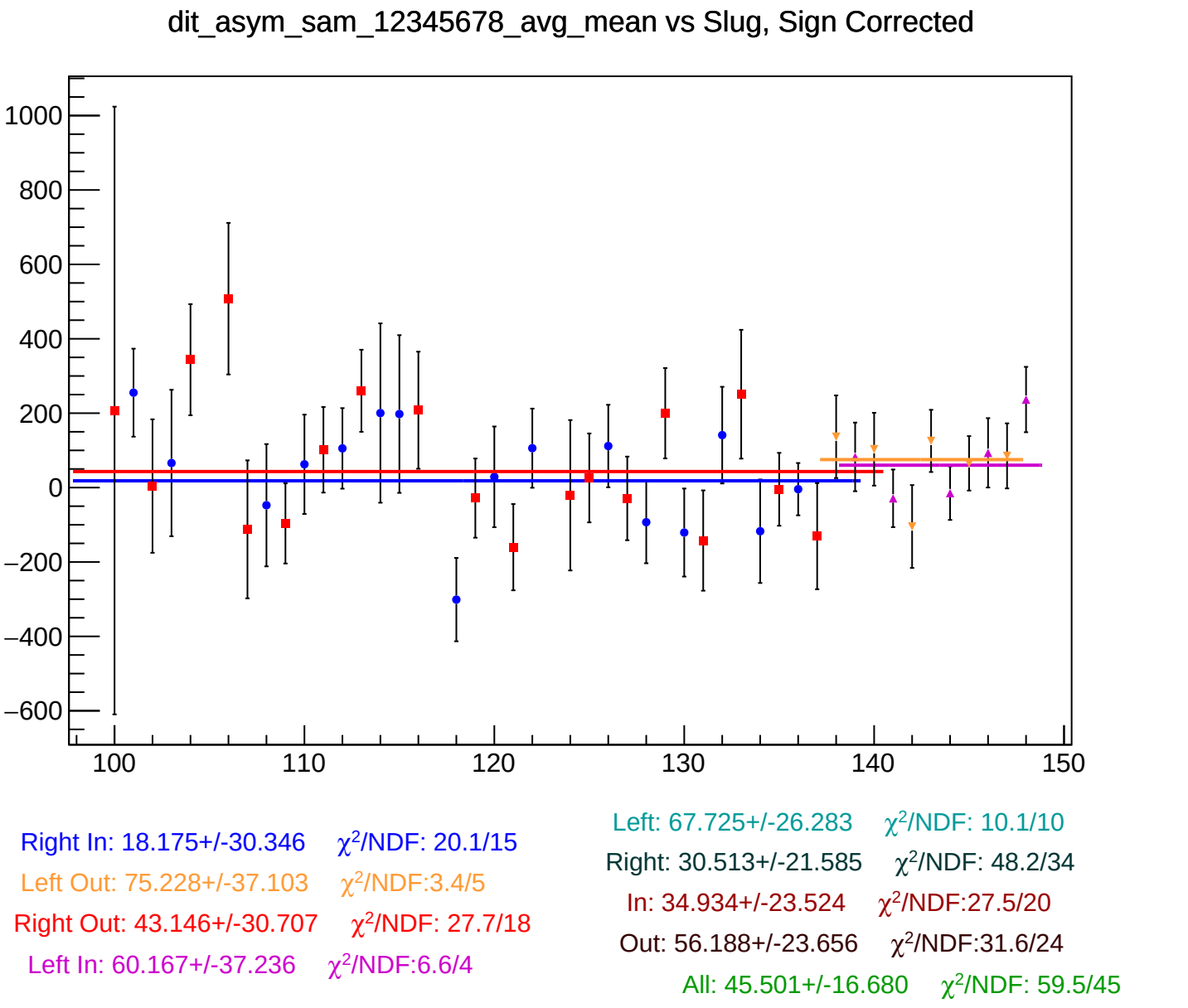
Left: 504.344+/-0.123 χ^2/NDF: 644447.6/10

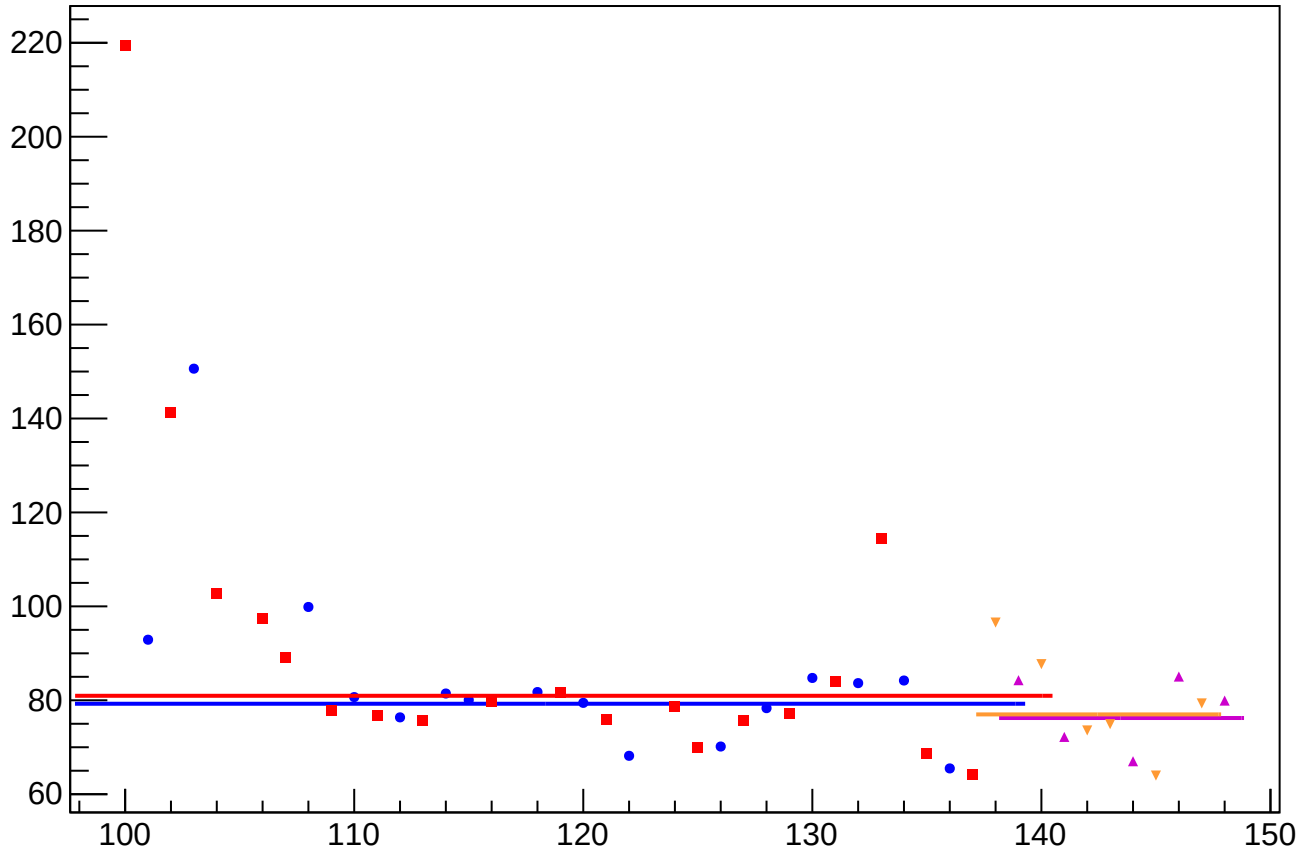
Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.390+/-0.142 χ^2/NDF:2725218.2/20

Out: 648.868+/-0.142 χ^2/NDF:2807470.9/24

All: 644.134+/-0.101 χ^2/NDF: 5534912.3/45


dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 75.228+/-37.103 χ²/NDF:3.4/5
Right Out: 43.146+/-30.707 χ²/NDF: 27.7/18
Left In: 60.167+/-37.236 χ²/NDF:6.6/4
Left: 67.725+/-26.283 χ²/NDF: 10.1/10
Right: 30.513+/-21.585 χ²/NDF: 48.2/34
In: 34.934+/-23.524 χ²/NDF:27.5/20
Out: 56.188+/-23.656 χ²/NDF:31.6/24
All: 45.501+/-16.680 χ²/NDF: 59.5/45



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.994+/-0.026 χ^2/NDF:153662.8/5

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 76.225+/-0.026 χ^2/NDF:74754.0/4

Left: 76.611+/-0.019 χ^2/NDF: 228844.4/10

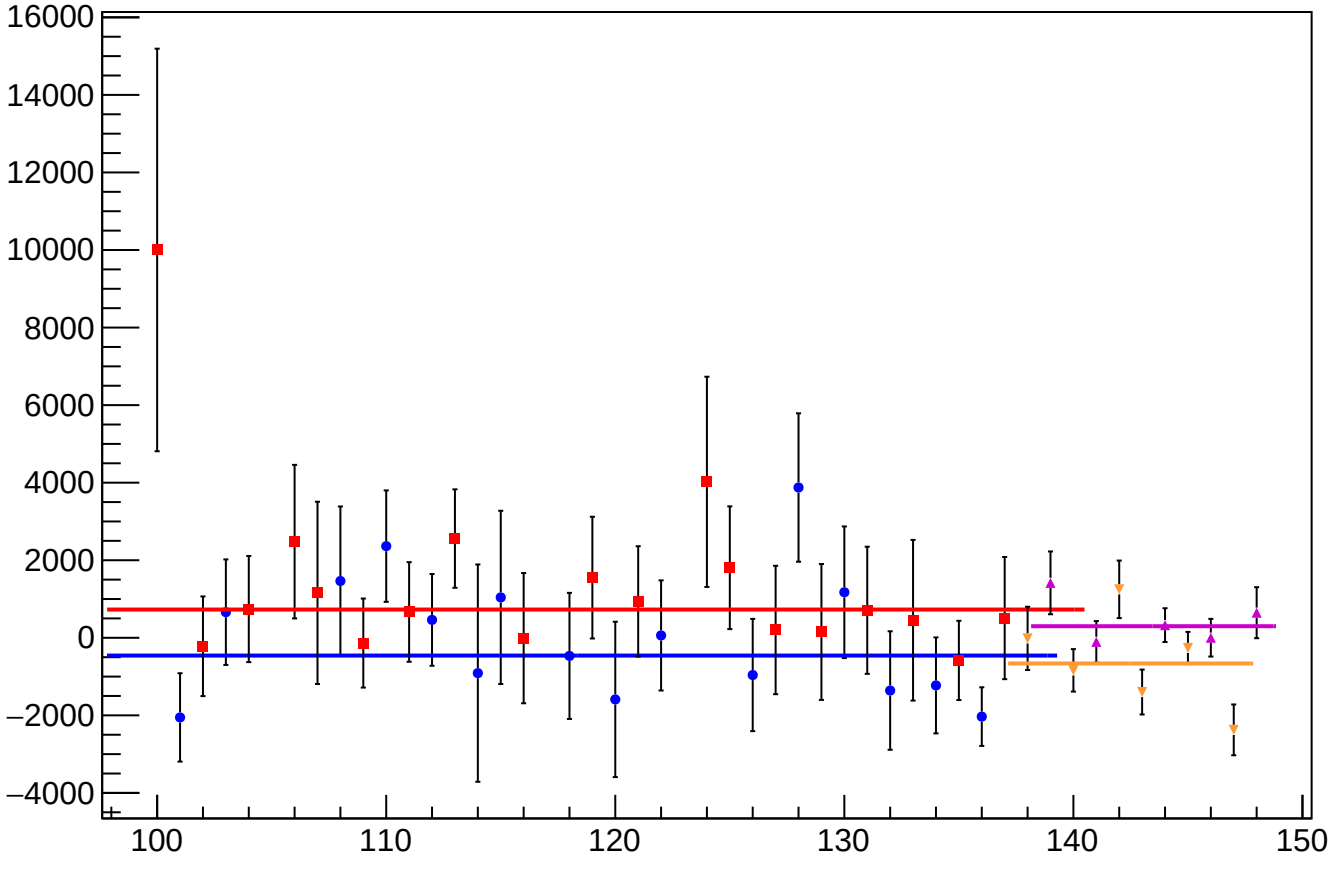
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 78.051+/-0.017 χ^2/NDF:527703.1/20

Out: 79.347+/-0.017 χ^2/NDF:681396.2/24

All: 78.695+/-0.012 χ^2/NDF: 1212117.7/45

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: -662.807+/-237.190 χ^2/NDF:16.8/5

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 298.780+/-243.742 χ^2/NDF:3.1/4

Left: -195.112+/-169.988 χ^2/NDF: 27.9/10

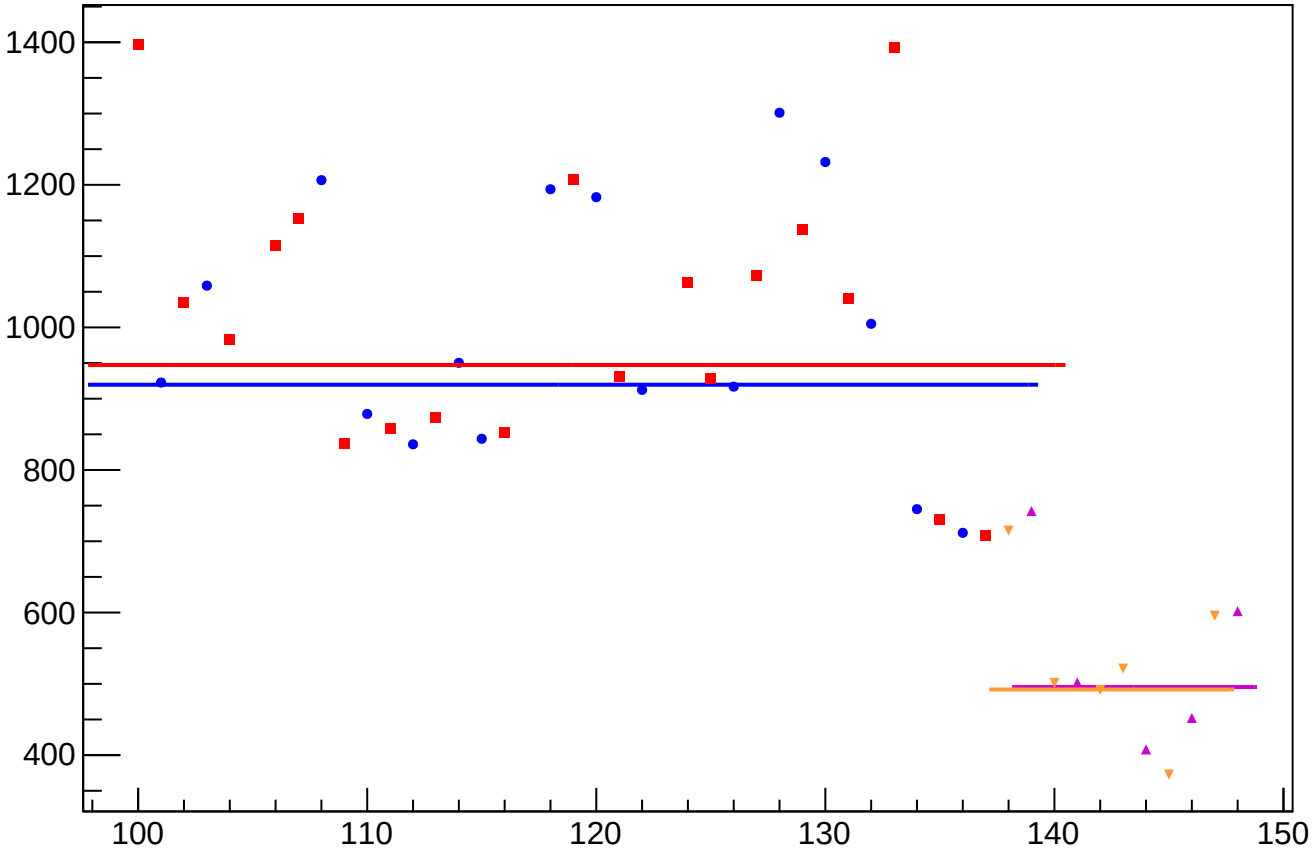
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 51.659+/-200.032 χ^2/NDF:26.6/20

Out: -229.243+/-196.801 χ^2/NDF:39.0/24

All: -91.080+/-140.288 χ^2/NDF: 66.6/45

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: 492.071+/-0.168 χ^2/NDF:370237.7/5

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 495.531+/-0.172 χ^2/NDF:335478.4/4

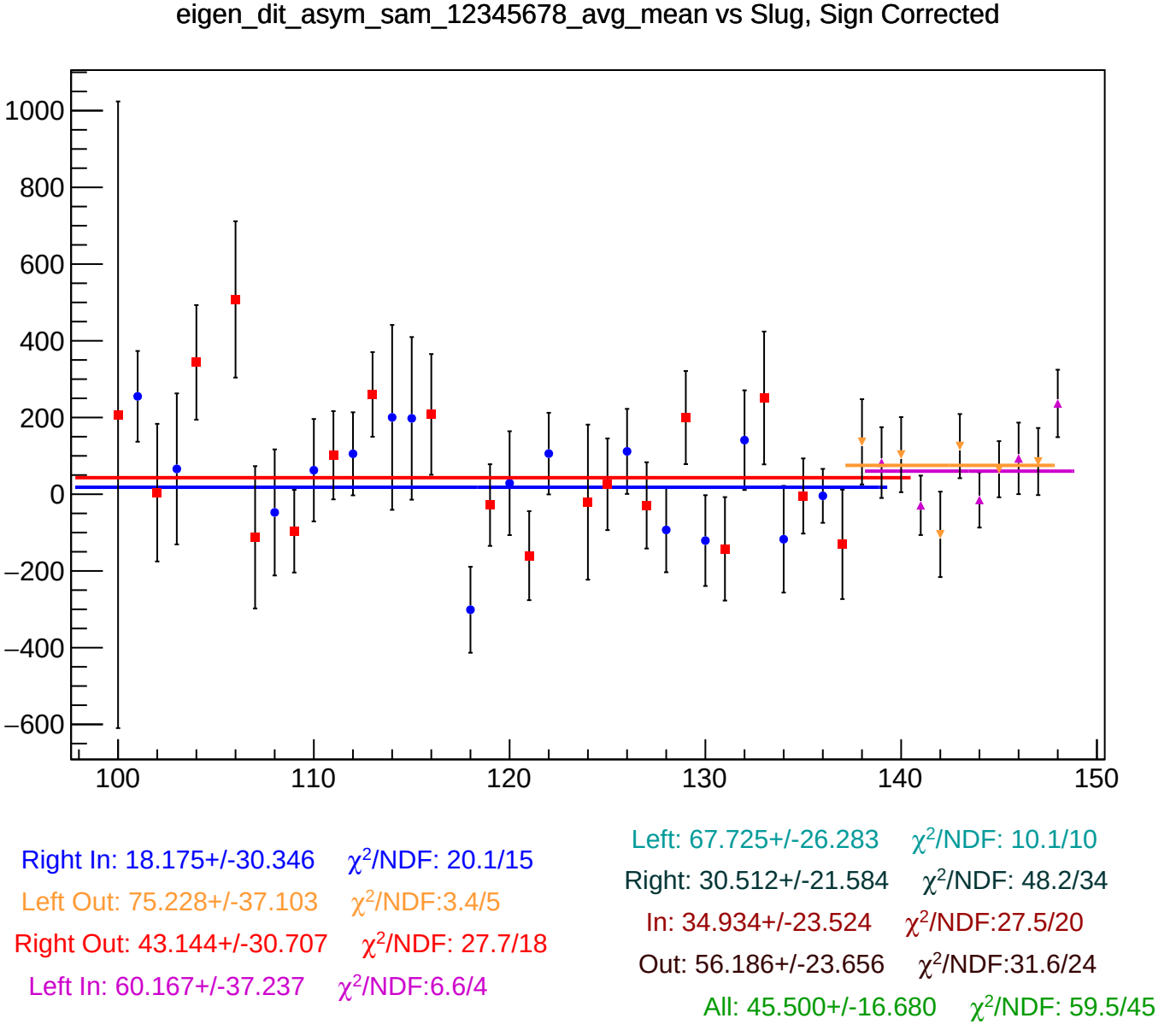
Left: 493.754+/-0.120 χ^2/NDF: 705923.1/10

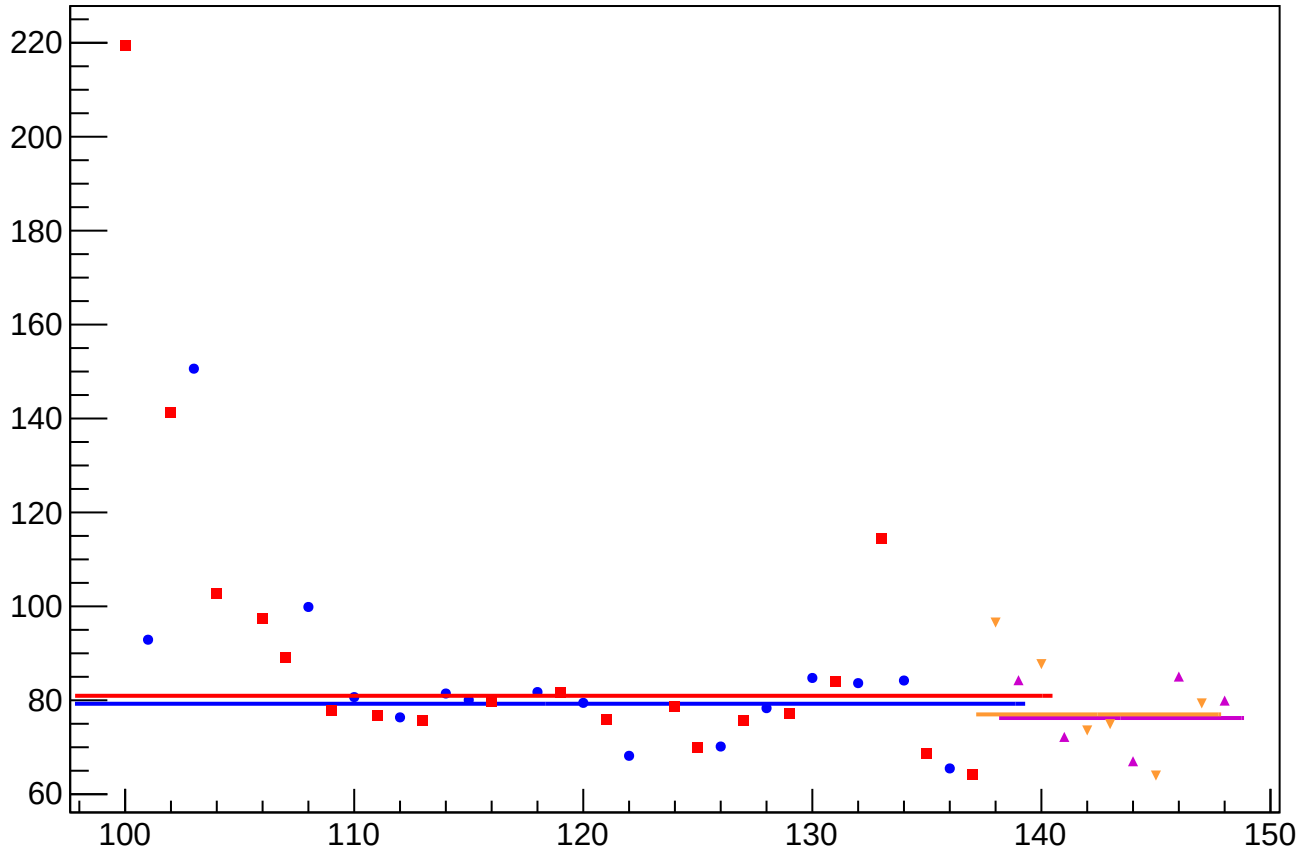
Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 634.001+/-0.141 χ^2/NDF:2827885.6/20

Out: 633.897+/-0.139 χ^2/NDF:3090880.5/24

All: 633.948+/-0.099 χ^2/NDF: 5918766.4/45


eigen_dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 75.228+/-37.103 χ²/NDF:3.4/5
Right Out: 43.144+/-30.707 χ²/NDF: 27.7/18
Left In: 60.167+/-37.237 χ²/NDF:6.6/4
Left: 67.725+/-26.283 χ²/NDF: 10.1/10
Right: 30.512+/-21.584 χ²/NDF: 48.2/34
In: 34.934+/-23.524 χ²/NDF:27.5/20
Out: 56.186+/-23.656 χ²/NDF:31.6/24
All: 45.500+/-16.680 χ²/NDF: 59.5/45



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.994+/-0.026 χ^2/NDF:153654.1/5

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 76.226+/-0.026 χ^2/NDF:74752.7/4

Left: 76.611+/-0.019 χ^2/NDF: 228834.4/10

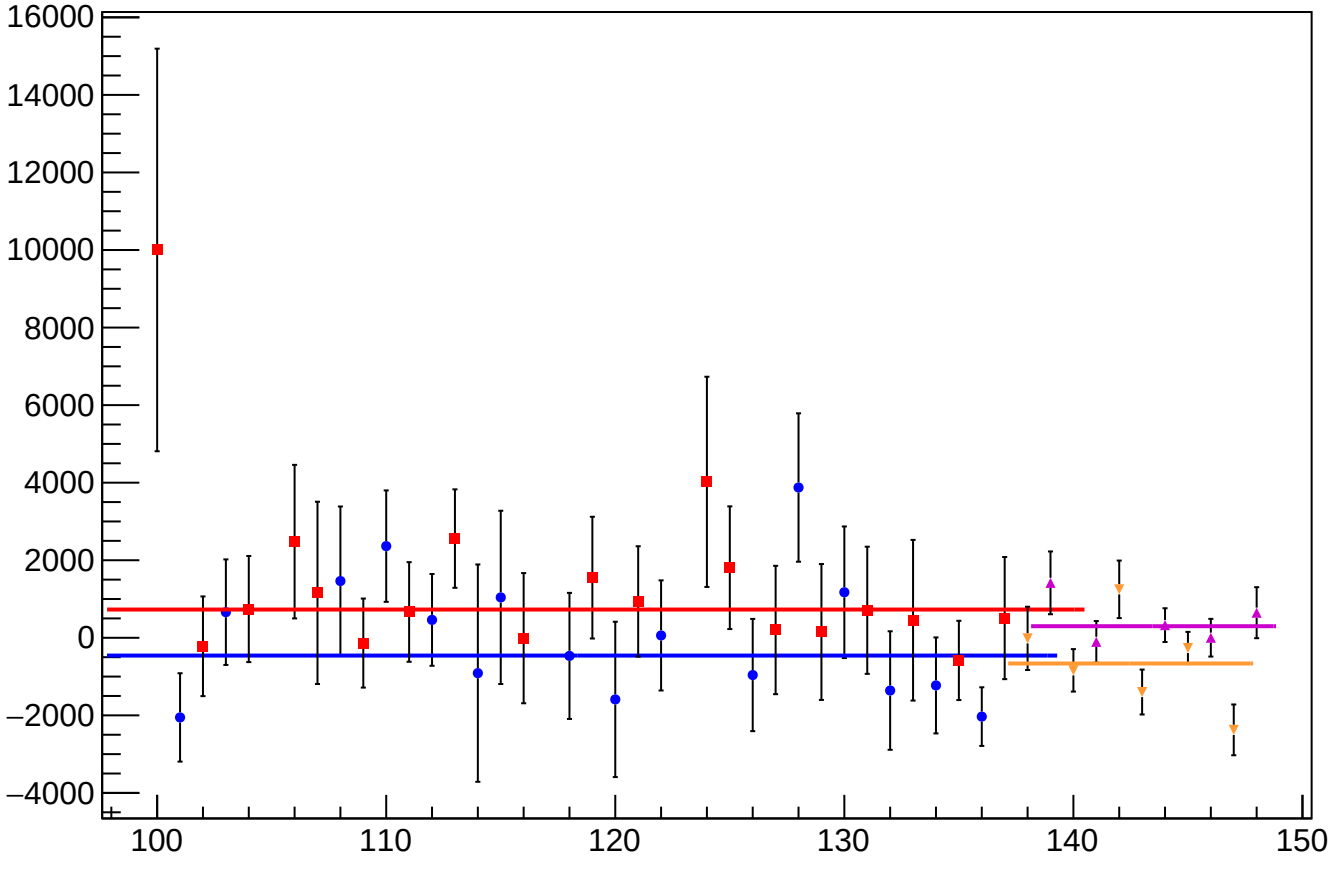
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 78.051+/-0.017 χ^2/NDF:527696.0/20

Out: 79.347+/-0.017 χ^2/NDF:681391.9/24

All: 78.695+/-0.012 χ^2/NDF: 1212106.7/45

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: -662.808+/-237.189 χ^2/NDF:16.8/5

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 298.780+/-243.742 χ^2/NDF:3.1/4

Left: -195.113+/-169.987 χ^2/NDF: 27.9/10

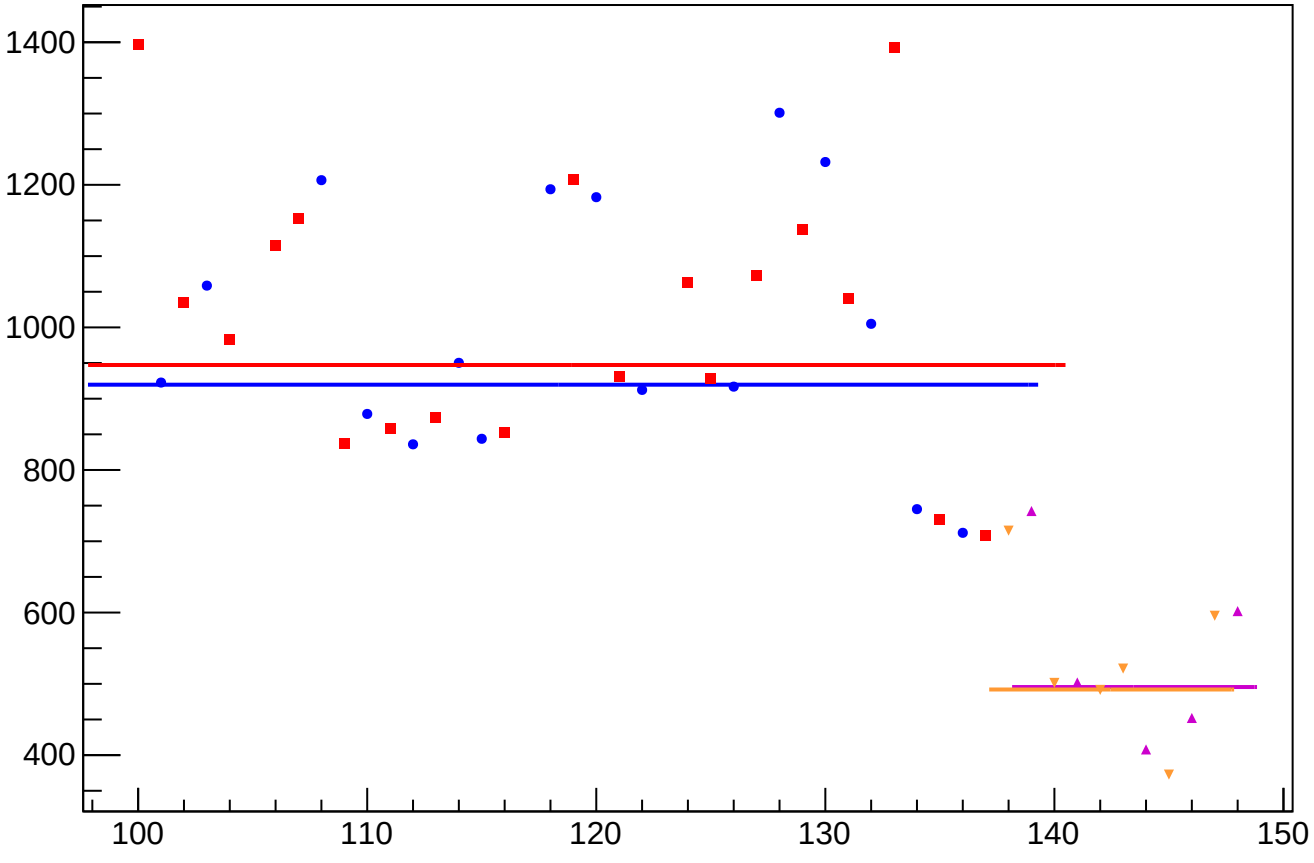
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 51.660+/-200.032 χ^2/NDF:26.6/20

Out: -229.243+/-196.800 χ^2/NDF:39.0/24

All: -91.080+/-140.287 χ^2/NDF: 66.6/45

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: 492.070+/-0.168 χ^2/NDF:370240.0/5

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 495.531+/-0.172 χ^2/NDF:335478.1/4

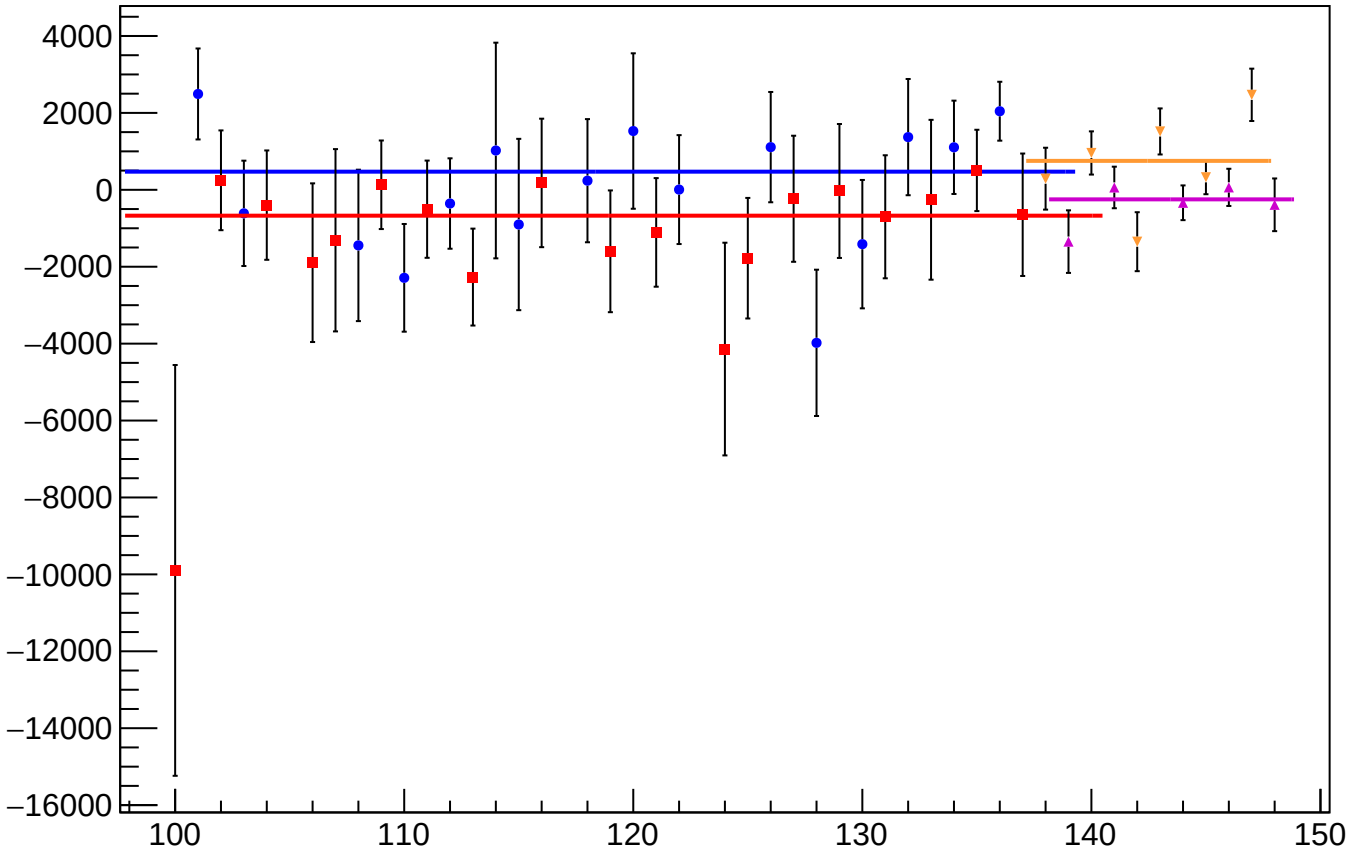
Left: 493.753+/-0.120 χ^2/NDF: 705925.1/10

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 634.000+/-0.141 χ^2/NDF:2827878.9/20

Out: 633.896+/-0.139 χ^2/NDF:3090881.4/24

All: 633.947+/-0.099 χ^2/NDF: 5918760.6/45



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 752.552+/-246.026 χ^2/NDF:16.9/5

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -248.390+/-248.088 χ^2/NDF:2.6/4

Left: 256.258+/-174.691 χ^2/NDF: 27.8/10

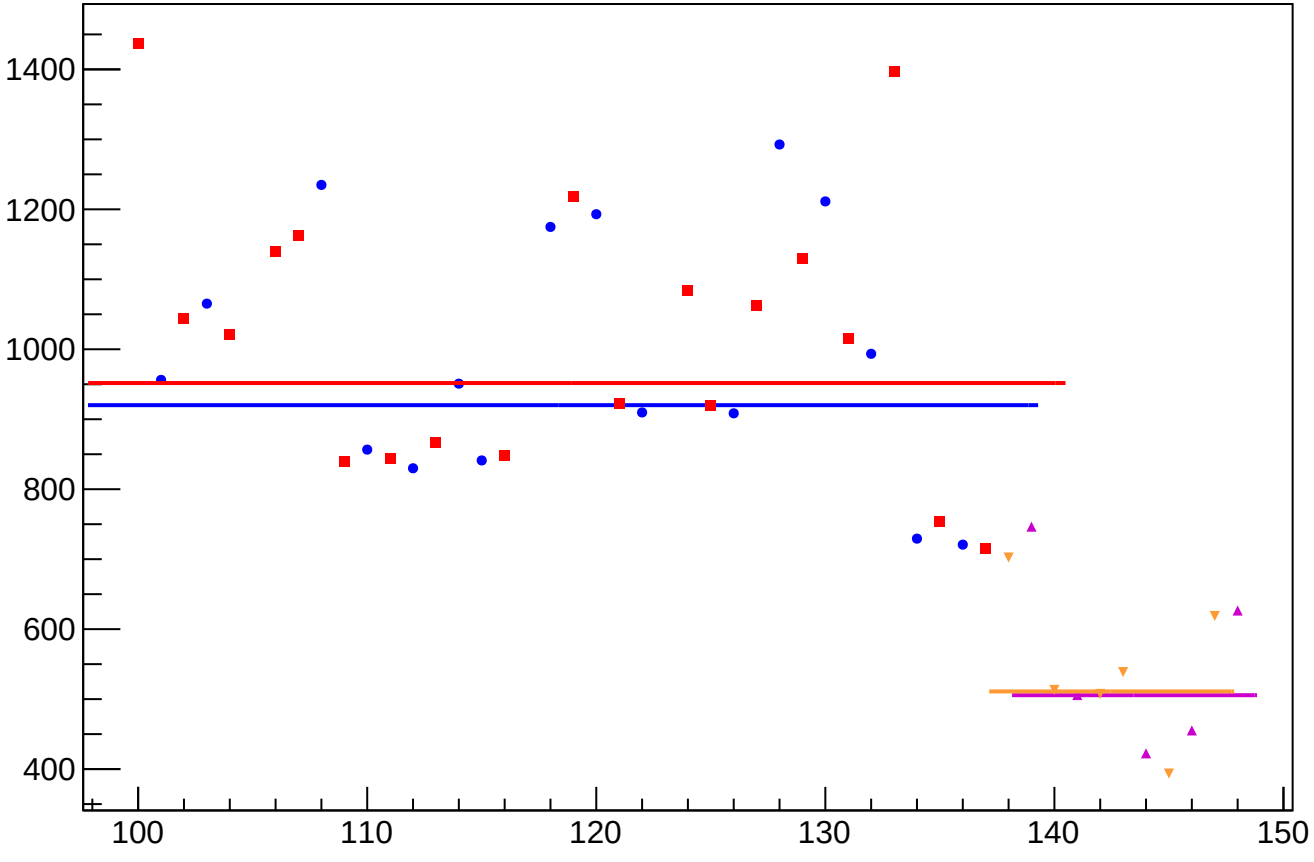
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -7.822+/-202.472 χ^2/NDF:27.0/20

Out: 289.311+/-202.122 χ^2/NDF:38.1/24

All: 141.001+/-143.045 χ^2/NDF: 66.2/45

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 511.007+/-0.174 χ^2/NDF:309799.3/5

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 505.613+/-0.175 χ^2/NDF:327081.6/4

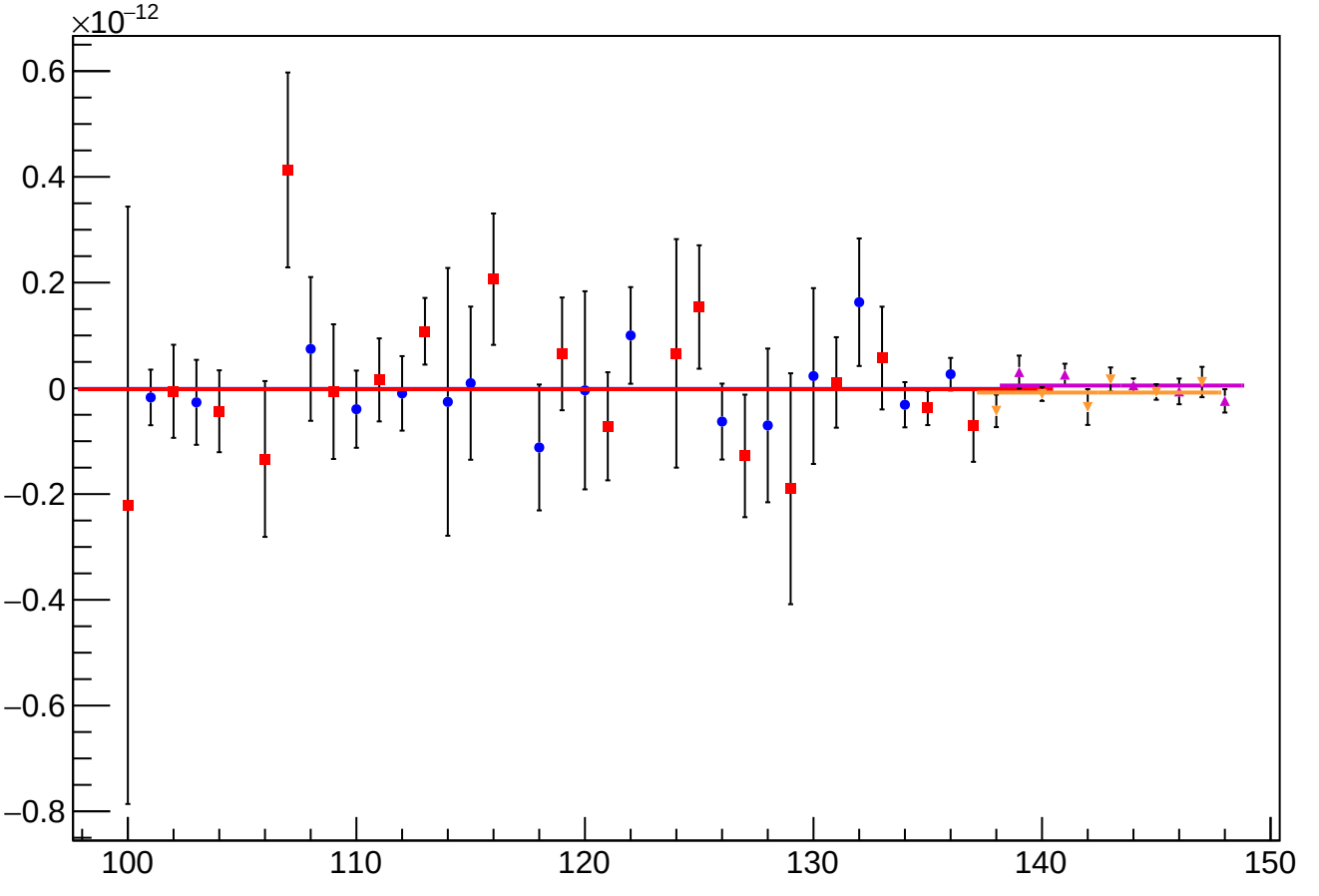
Left: 508.333+/-0.124 χ^2/NDF: 637357.6/10

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 644.033+/-0.143 χ^2/NDF:2700223.3/20

Out: 654.268+/-0.143 χ^2/NDF:2812114.7/24

All: 649.159+/-0.101 χ^2/NDF: 5514897.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/4

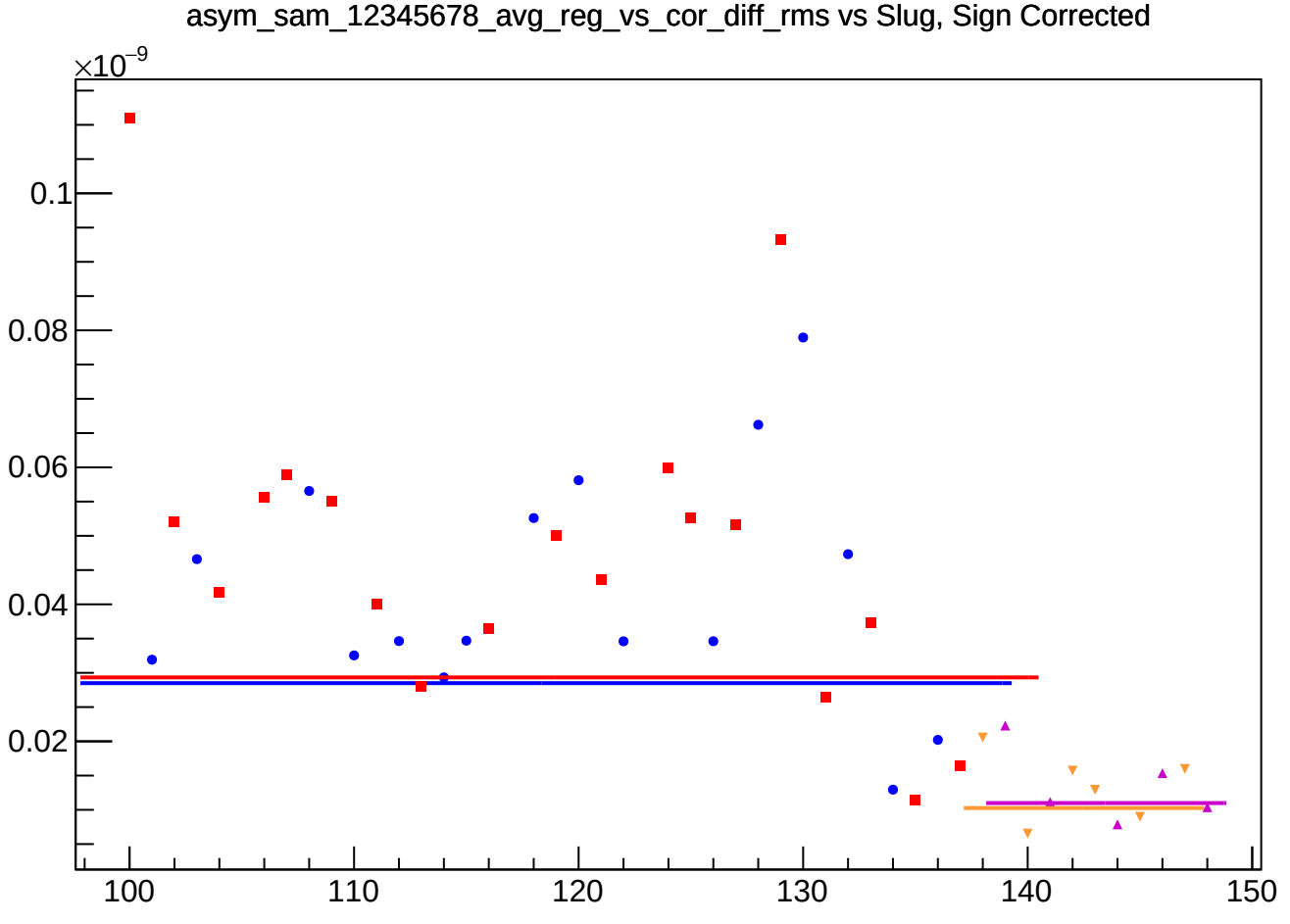
Left: -0.000+/-0.000 χ^2/NDF: 8.5/10

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:10.8/20

Out: -0.000+/-0.000 χ^2/NDF:23.1/24

All: -0.000+/-0.000 χ^2/NDF: 35.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:559349.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:444893.7/4

Left: 0.000+/-0.000 χ^2/NDF: 1011800.6/10

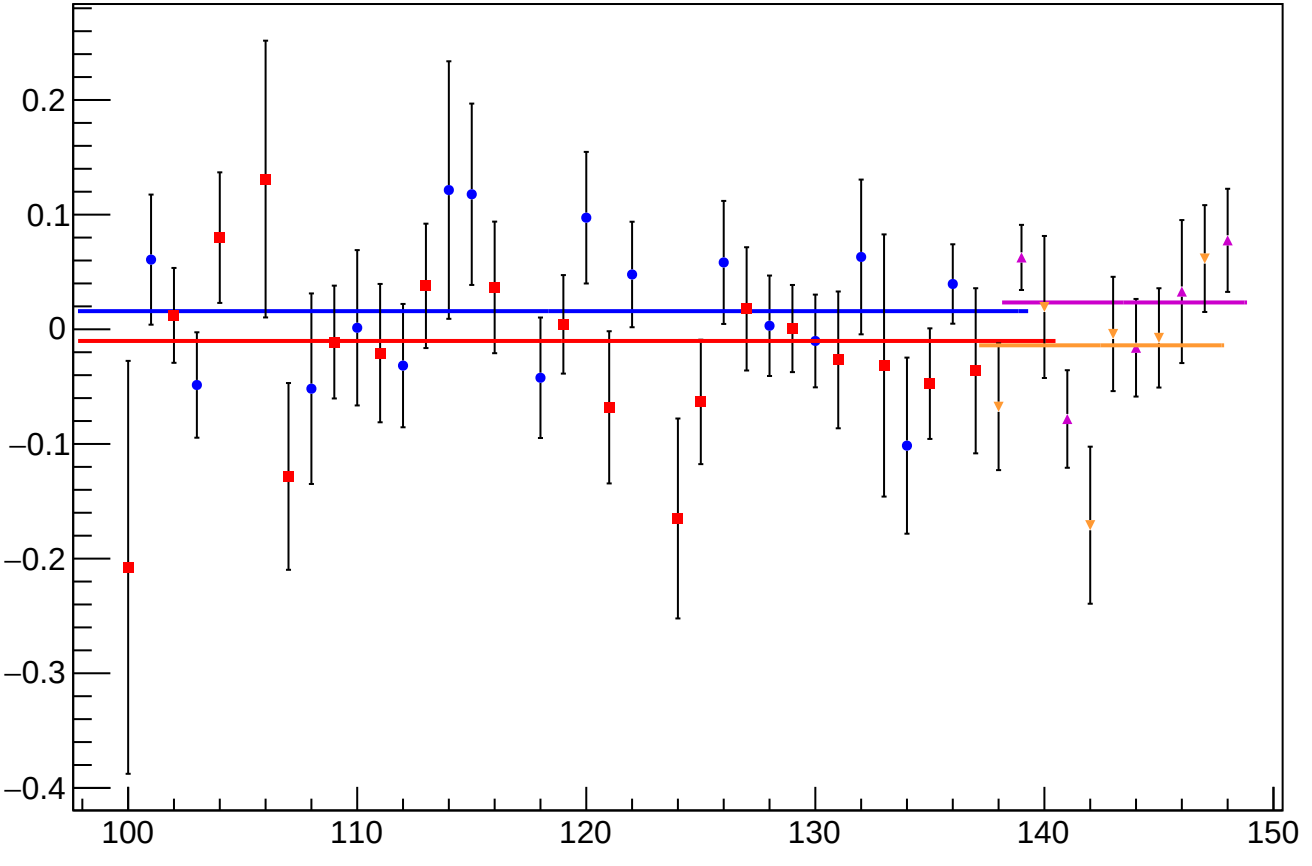
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3166416.9/20

Out: 0.000+/-0.000 χ^2/NDF:3877174.9/24

All: 0.000+/-0.000 χ^2/NDF: 7075192.2/45

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.023+/-0.018 χ^2/NDF:10.0/4

Left: 0.008+/-0.014 χ^2/NDF: 20.9/10

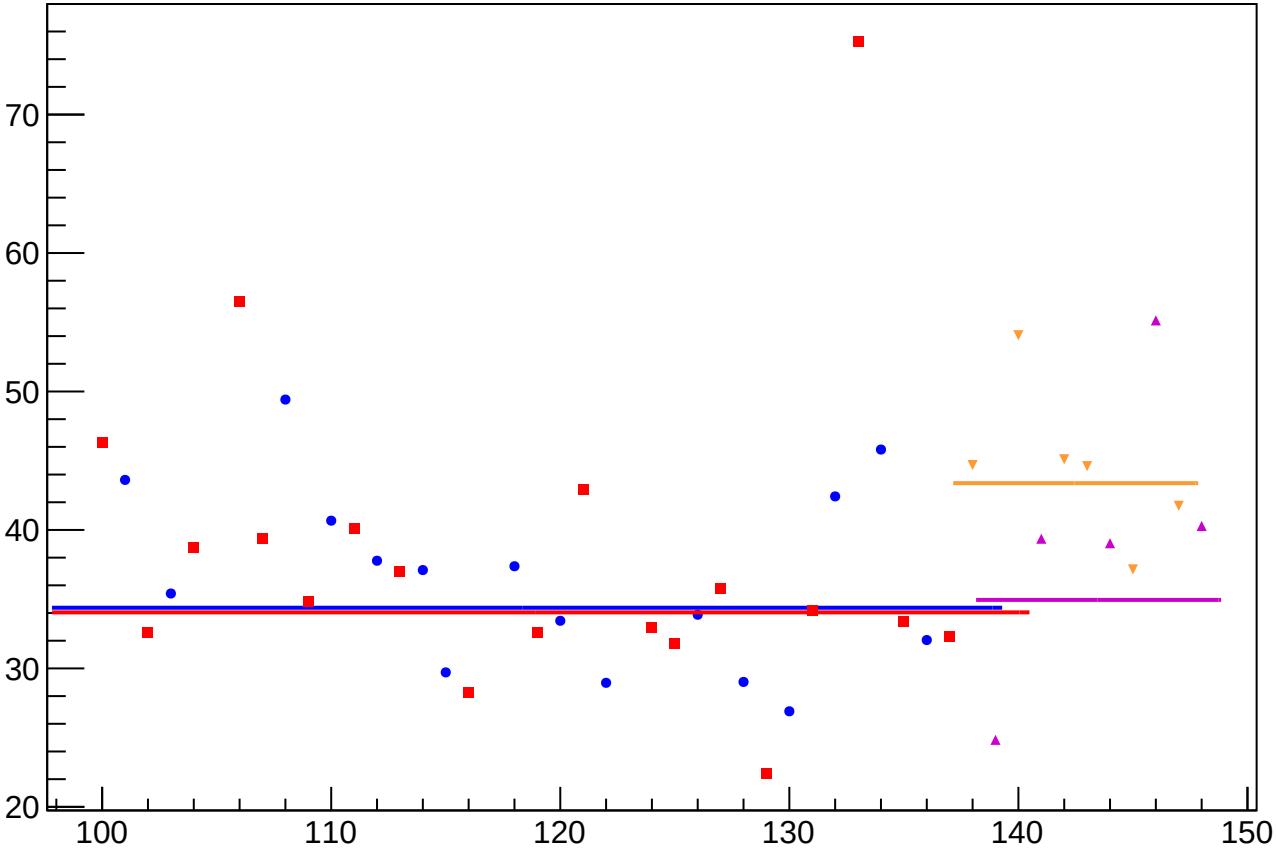
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.004+/-0.008 χ^2/NDF: 52.8/45

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: 43.379+/-0.015 χ^2/NDF:106930.2/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

Left: 38.449+/-0.010 χ^2/NDF: 820782.8/10

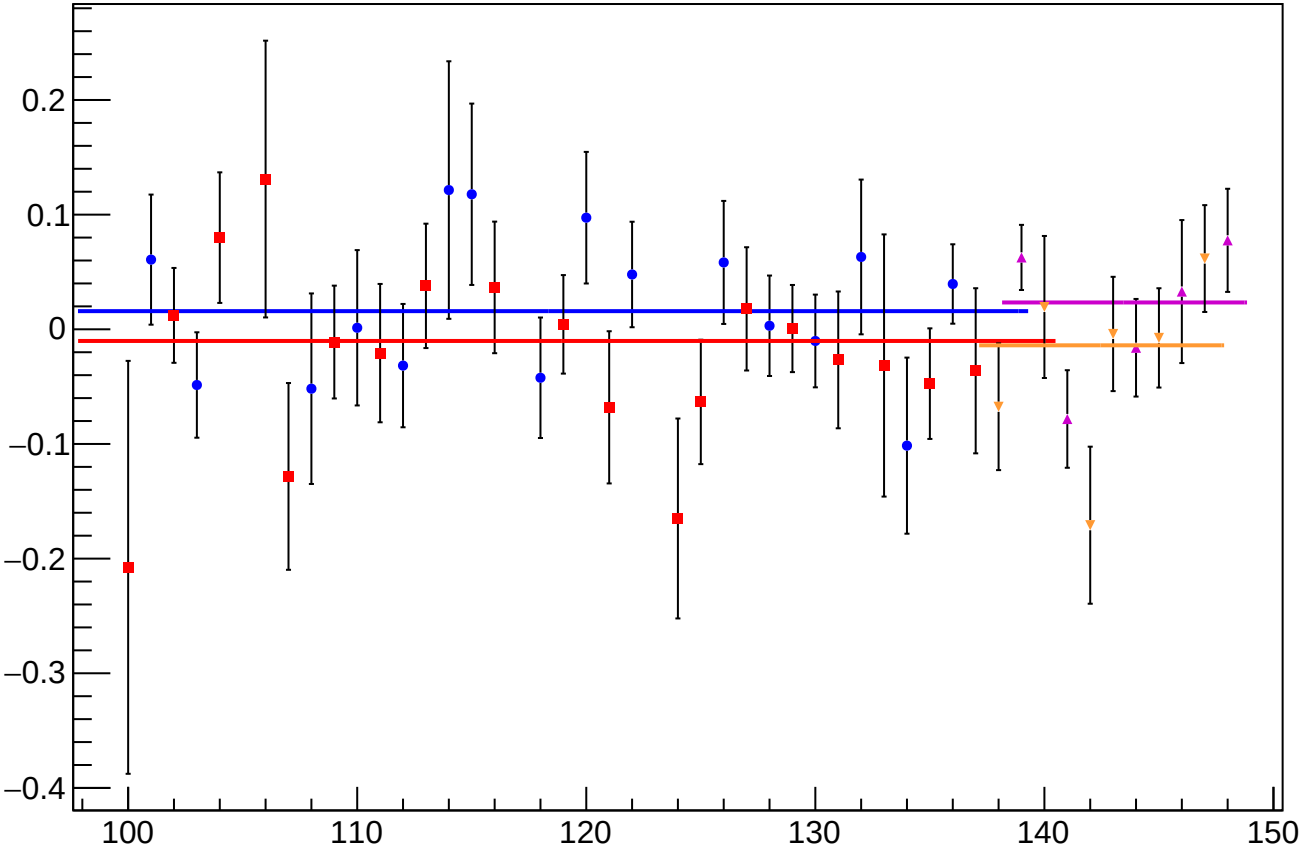
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.584+/-0.008 χ^2/NDF:900259.4/20

Out: 36.634+/-0.008 χ^2/NDF:1026370.0/24

All: 35.563+/-0.005 χ^2/NDF: 1961430.1/45

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: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.023+/-0.018 χ^2/NDF:10.0/4

Left: 0.008+/-0.014 χ^2/NDF: 20.9/10

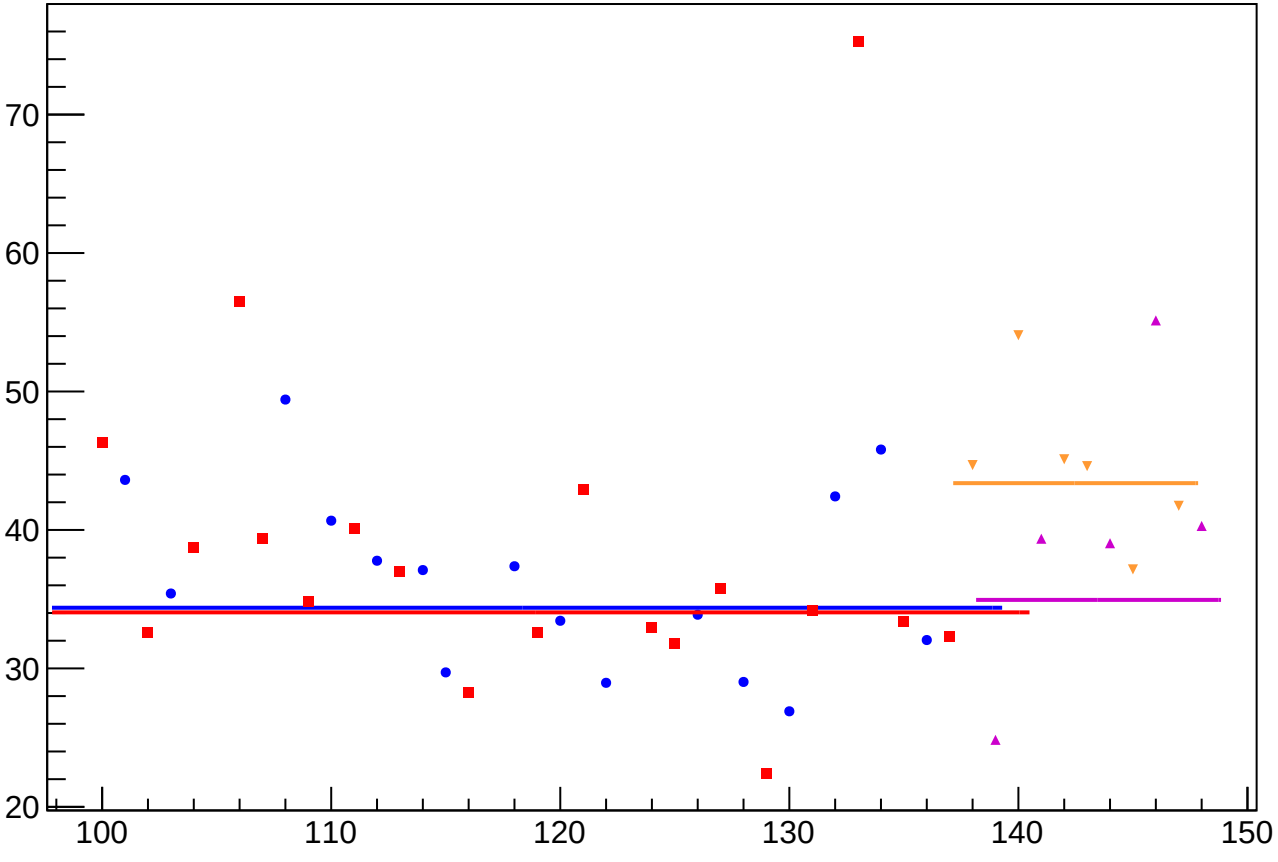
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.004+/-0.008 χ^2/NDF: 52.8/45

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: 43.379+/-0.015 χ^2/NDF:106930.2/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

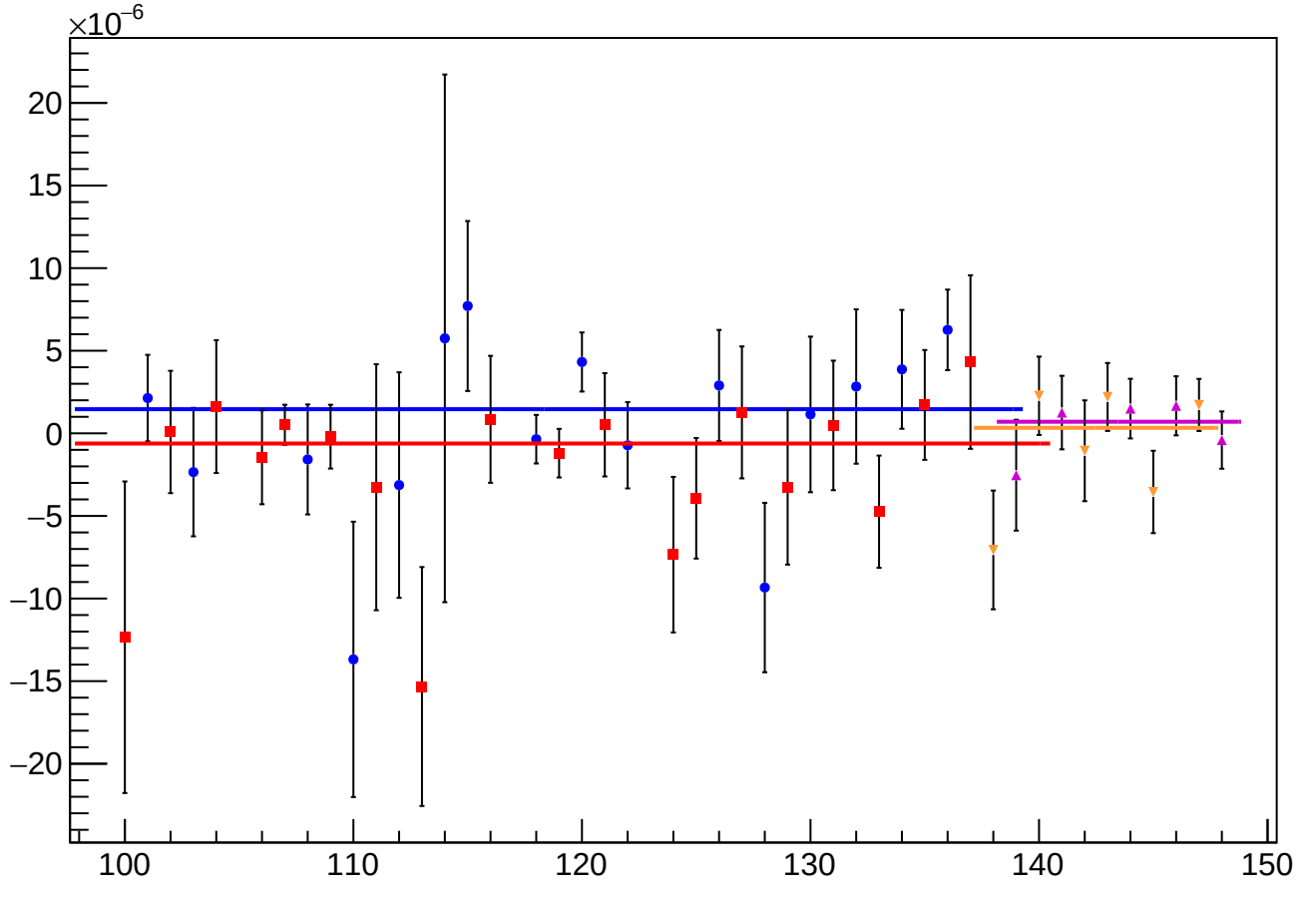
Left: 38.449+/-0.010 χ^2/NDF: 820782.8/10

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.584+/-0.008 χ^2/NDF:900259.4/20

Out: 36.634+/-0.008 χ^2/NDF:1026370.0/24

All: 35.563+/-0.005 χ^2/NDF: 1961430.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

Left: 0.000+/-0.000 χ^2/NDF: 11.1/10

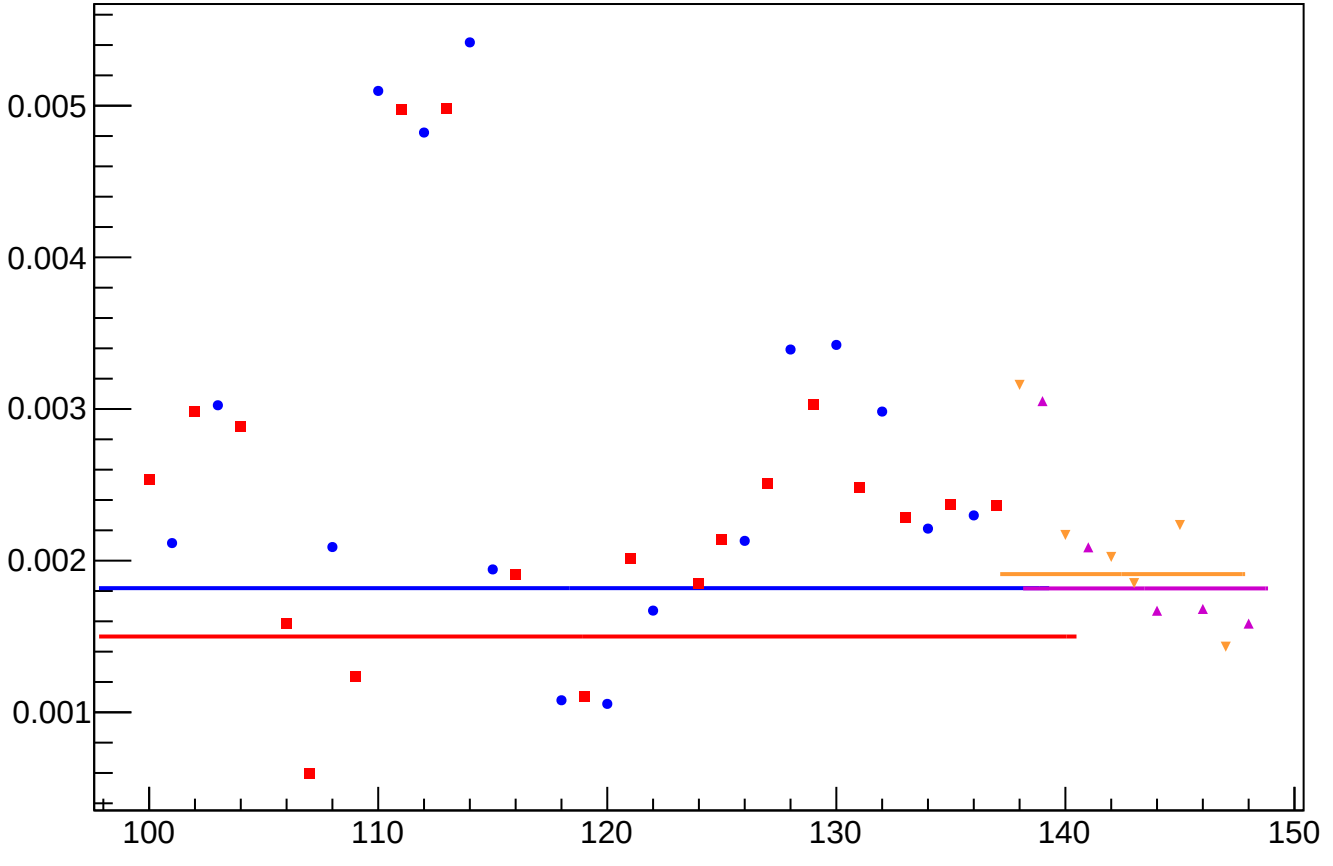
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:23.3/20

Out: -0.000+/-0.000 χ^2/NDF:23.8/24

All: 0.000+/-0.000 χ^2/NDF: 50.5/45

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:487264.7/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:361205.5/4

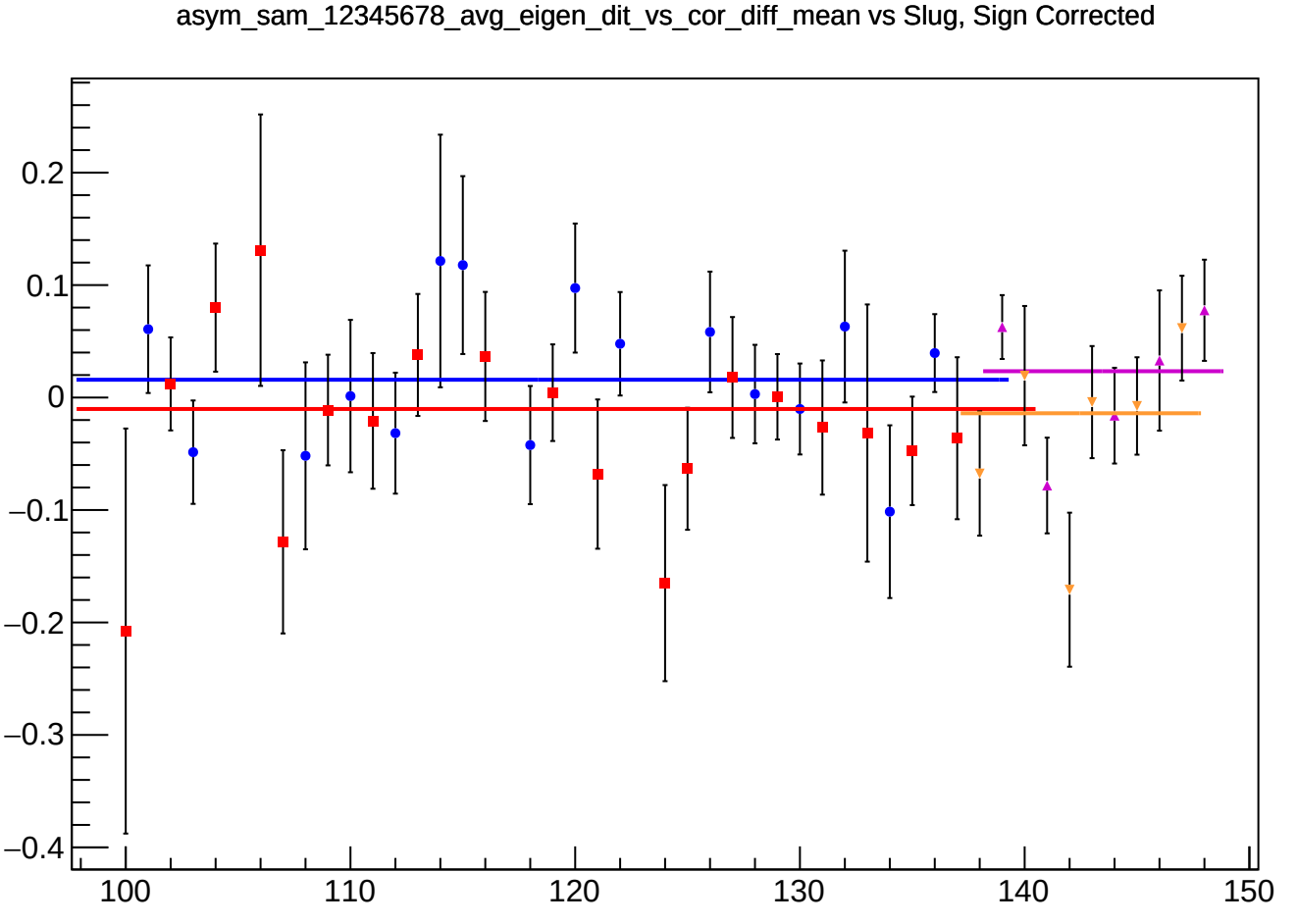
Left: 0.002+/-0.000 χ^2/NDF: 859179.2/10

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2931460.6/20

Out: 0.002+/-0.000 χ^2/NDF:4441802.9/24

All: 0.002+/-0.000 χ^2/NDF: 7483135.2/45



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.023+/-0.018 χ^2/NDF:10.0/4

Left: 0.008+/-0.014 χ^2/NDF: 20.9/10

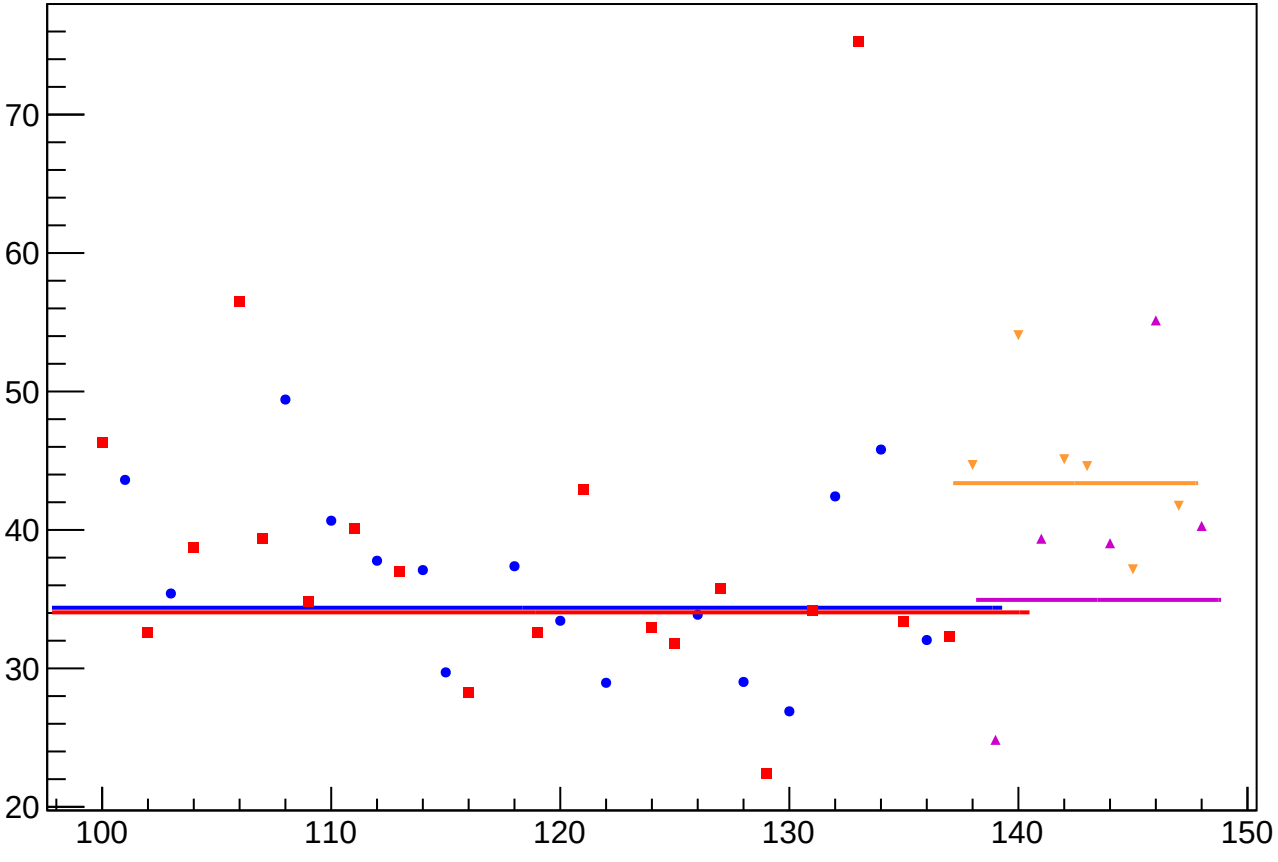
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.004+/-0.008 χ^2/NDF: 52.8/45

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 43.380+/-0.015 χ^2/NDF:106916.8/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.949+/-0.013 χ^2/NDF:531111.5/4

Left: 38.449+/-0.010 χ^2/NDF: 820786.4/10

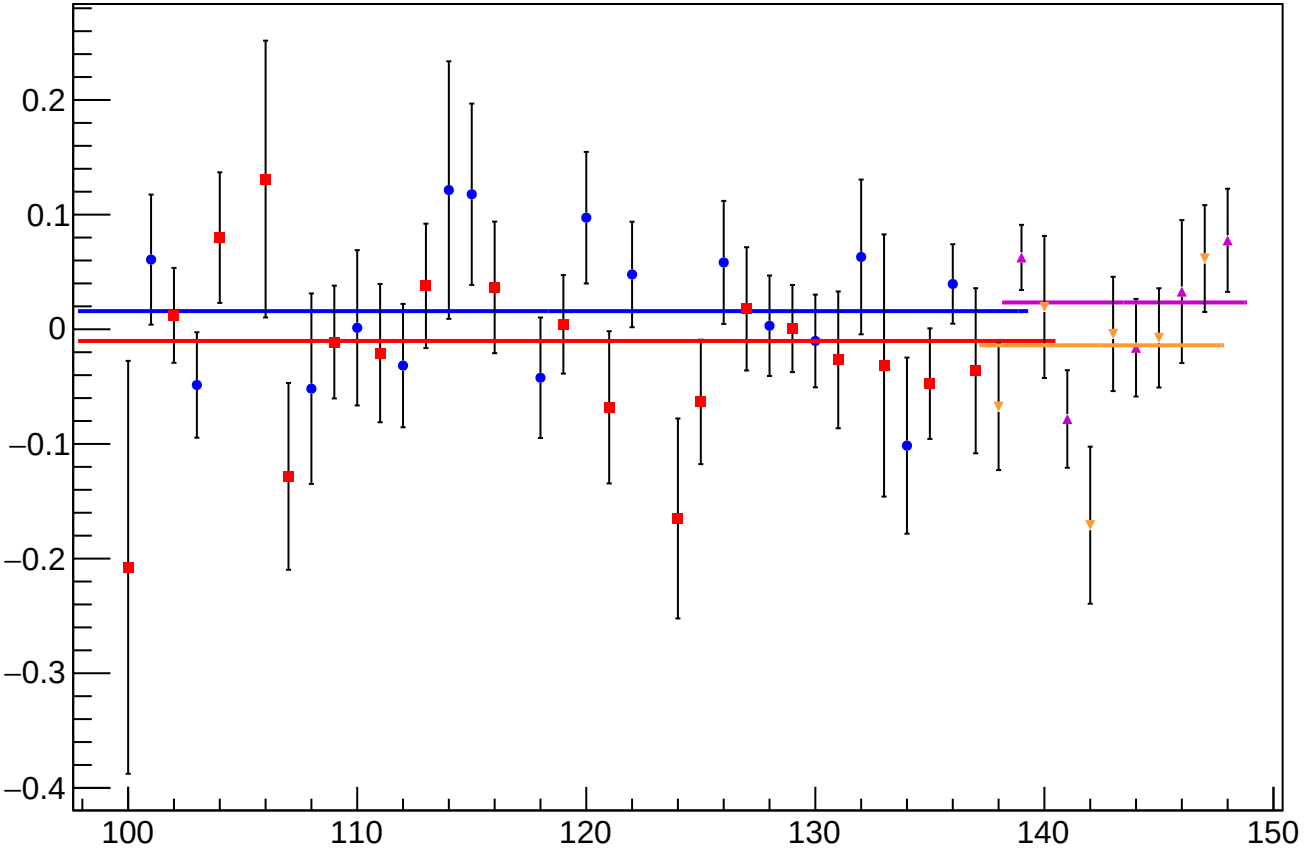
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.584+/-0.008 χ^2/NDF:900333.3/20

Out: 36.633+/-0.008 χ^2/NDF:1026462.9/24

All: 35.563+/-0.005 χ^2/NDF: 1961599.1/45

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.023+/-0.018 χ^2/NDF:10.0/4

Left: 0.008+/-0.014 χ^2/NDF: 20.9/10

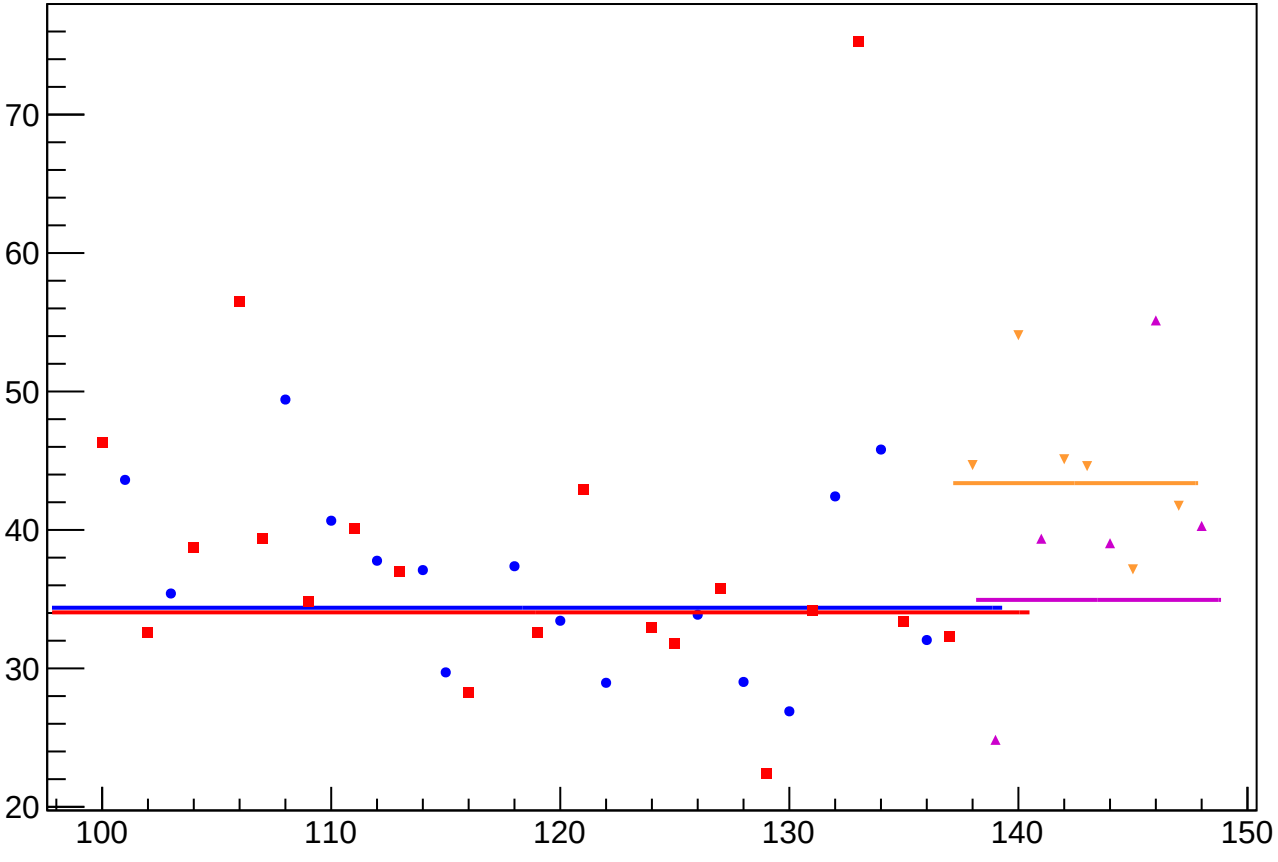
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.004+/-0.008 χ^2/NDF: 52.8/45

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: 43.380+/-0.015 χ^2/NDF:106916.8/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.949+/-0.013 χ^2/NDF:531111.5/4

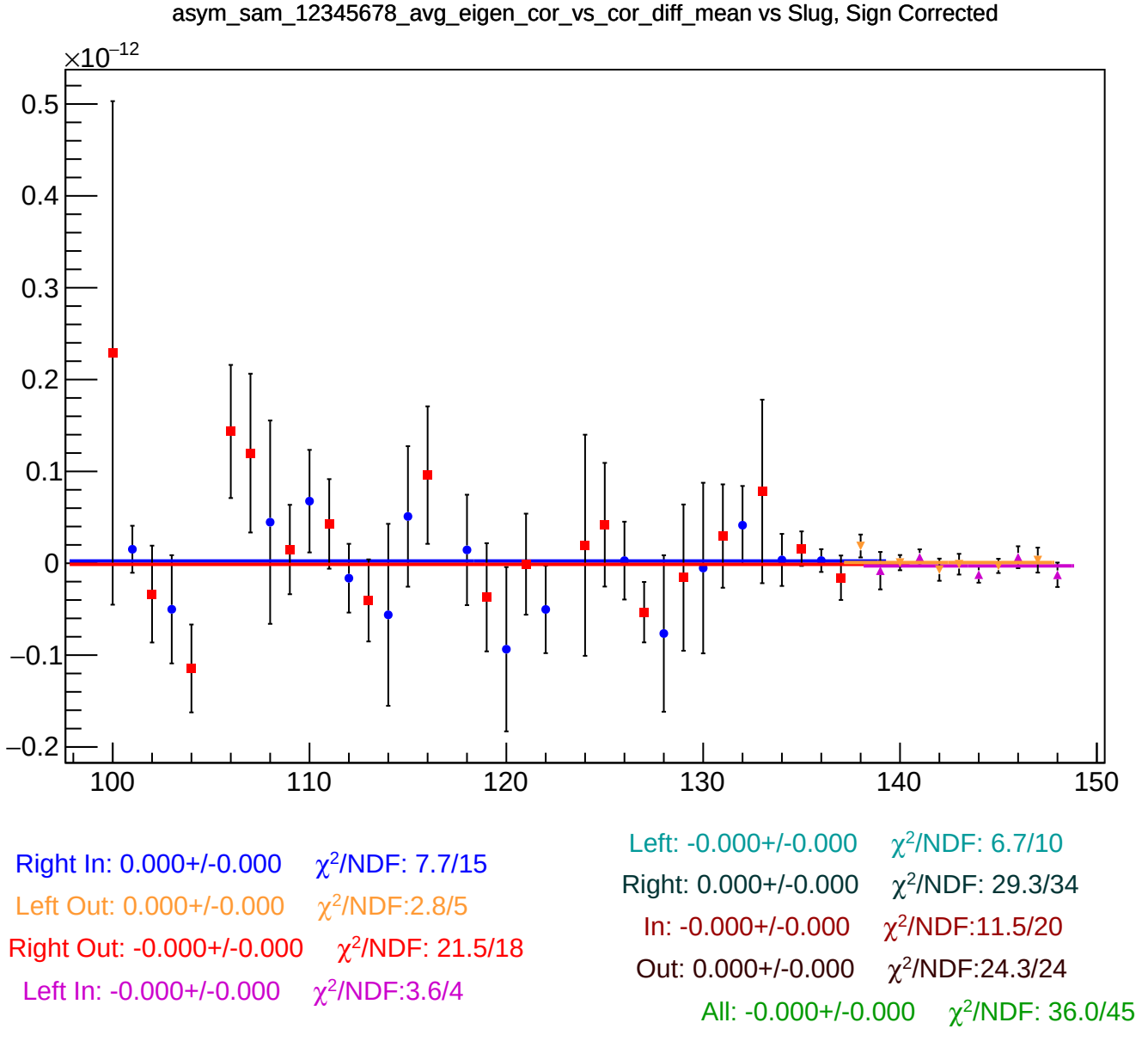
Left: 38.449+/-0.010 χ^2/NDF: 820786.4/10

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

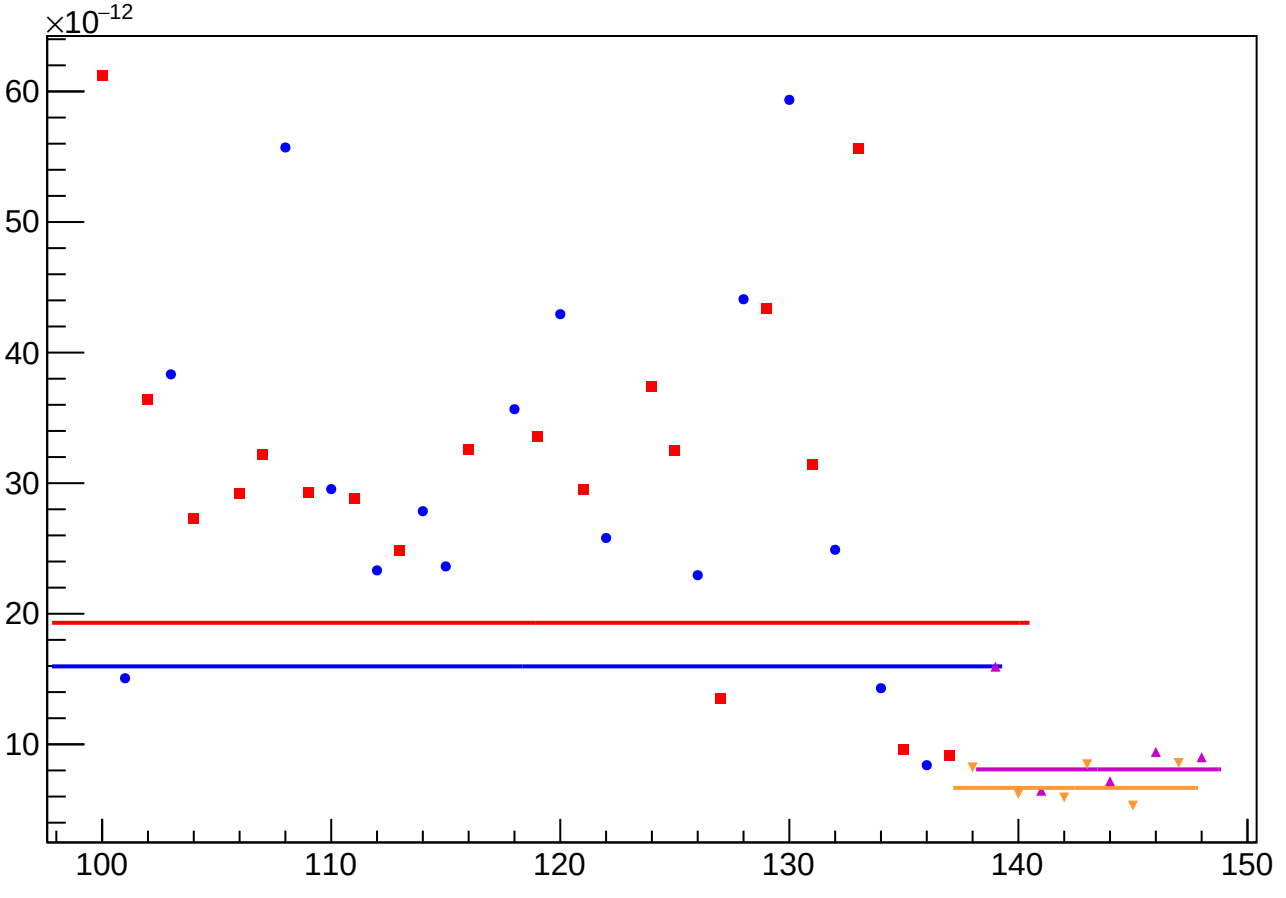
In: 34.584+/-0.008 χ^2/NDF:900333.3/20

Out: 36.633+/-0.008 χ^2/NDF:1026462.9/24

All: 35.563+/-0.005 χ^2/NDF: 1961599.1/45


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/18
Left In: -0.000+/-0.000 χ²/NDF:3.6/4
Left: -0.000+/-0.000 χ²/NDF: 6.7/10
Right: 0.000+/-0.000 χ²/NDF: 29.3/34
In: -0.000+/-0.000 χ²/NDF:11.5/20
Out: 0.000+/-0.000 χ²/NDF:24.3/24
All: -0.000+/-0.000 χ²/NDF: 36.0/45

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:197227.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:425932.1/4

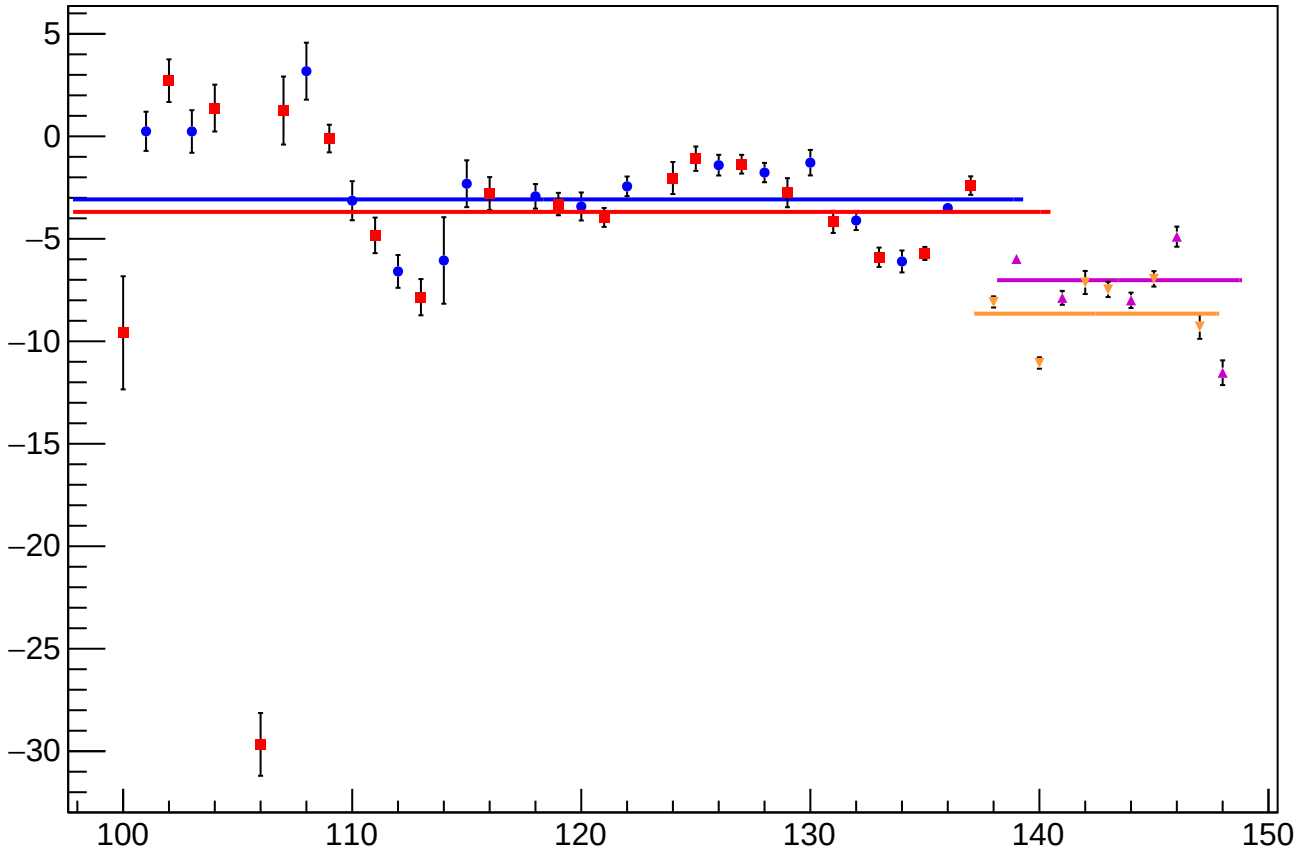
Left: 0.000+/-0.000 χ^2/NDF: 720299.0/10

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4490781.4/20

Out: 0.000+/-0.000 χ^2/NDF:5270732.3/24

All: 0.000+/-0.000 χ^2/NDF: 9899721.7/45



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.651+/-0.146 χ^2/NDF:118.4/5

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.019+/-0.158 χ^2/NDF:106.5/4

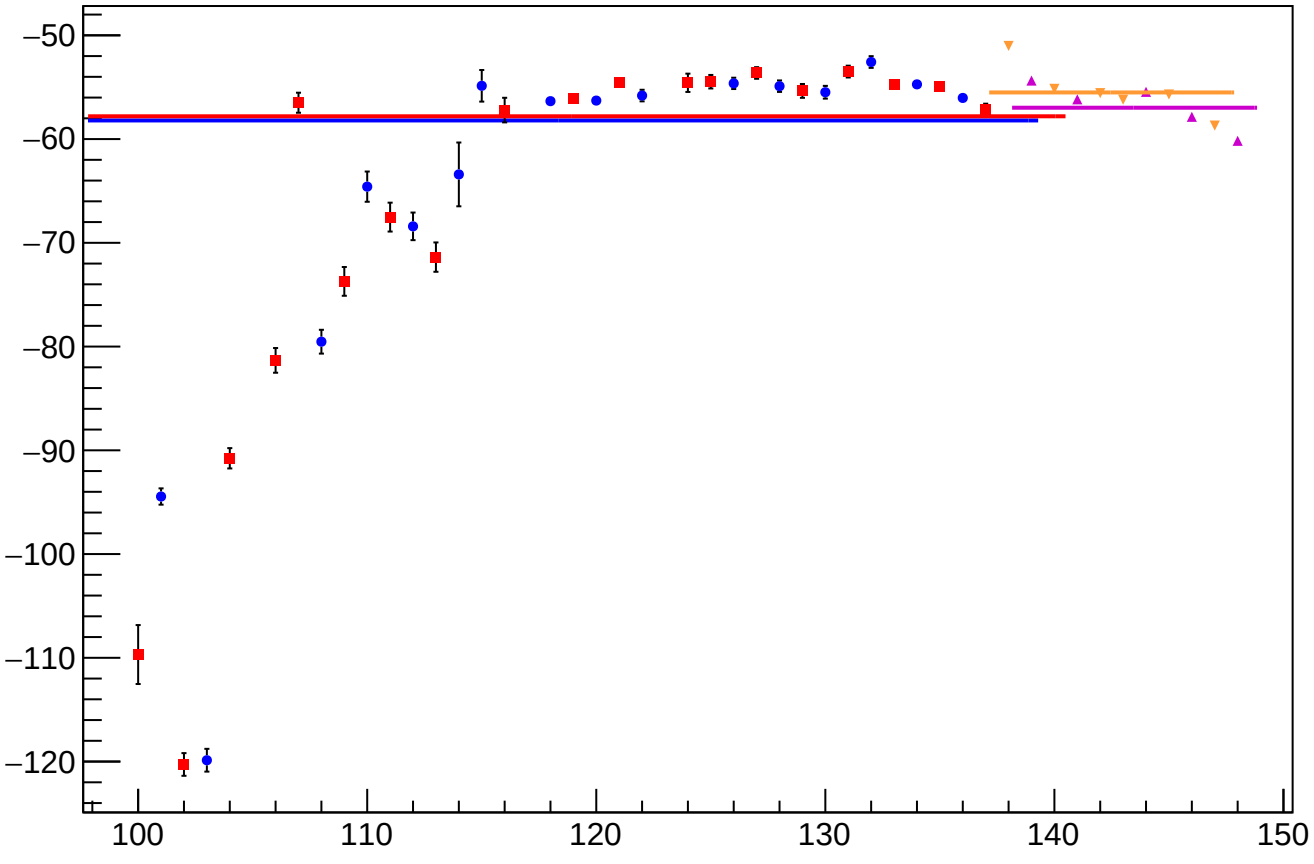
Left: -7.898+/-0.107 χ^2/NDF: 282.3/10

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.743+/-0.103 χ^2/NDF:599.5/20

Out: -6.062+/-0.101 χ^2/NDF:1253.1/24

All: -5.412+/-0.072 χ^2/NDF: 1936.2/45



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.505+/-0.118 χ^2/NDF:342.7/5

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -56.978+/-0.133 χ^2/NDF:203.4/4

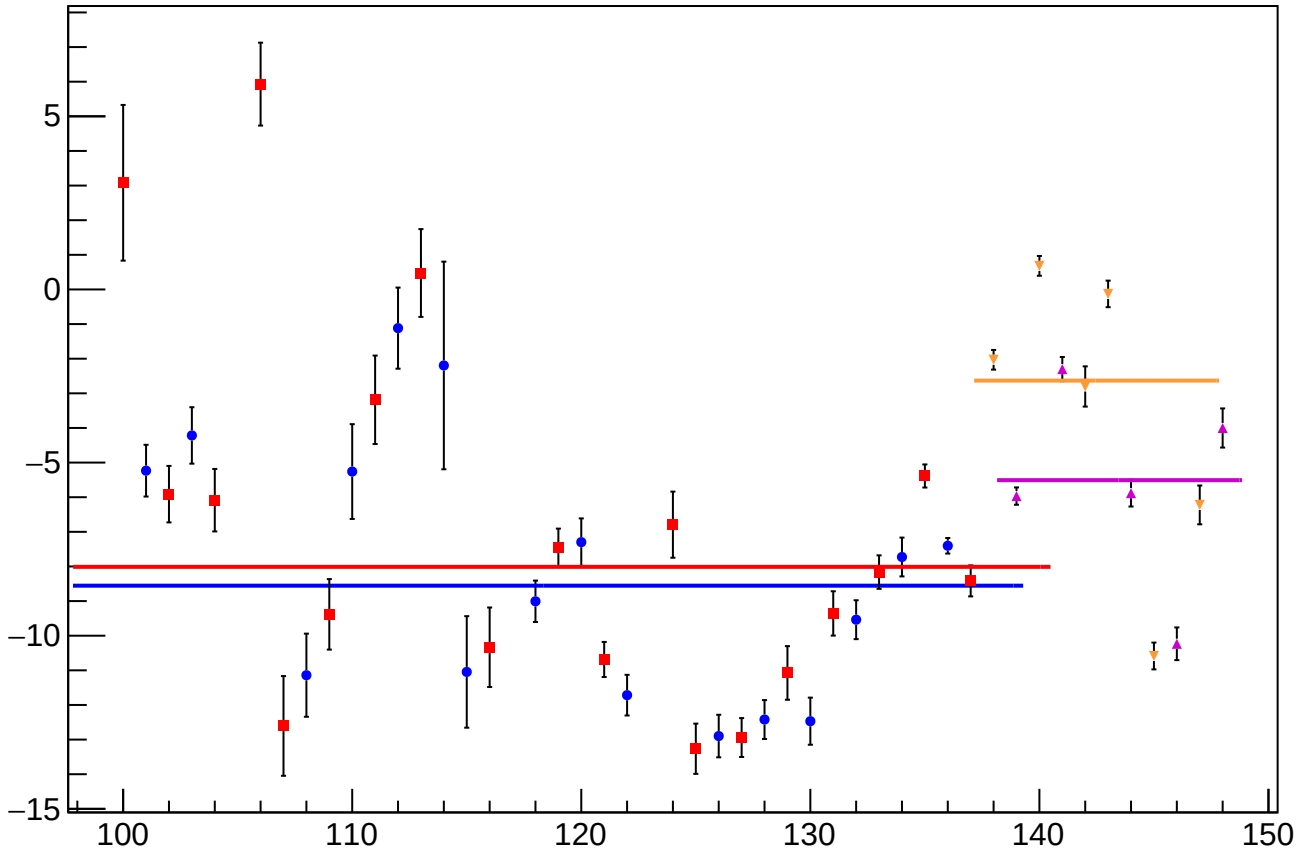
Left: -56.154+/-0.089 χ^2/NDF: 614.3/10

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.581+/-0.095 χ^2/NDF:6372.0/20

Out: -56.476+/-0.090 χ^2/NDF:6294.6/24

All: -56.998+/-0.065 χ^2/NDF: 12737.9/45



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -2.632+/-0.150 χ^2/NDF:645.8/5

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.507+/-0.161 χ^2/NDF:196.2/4

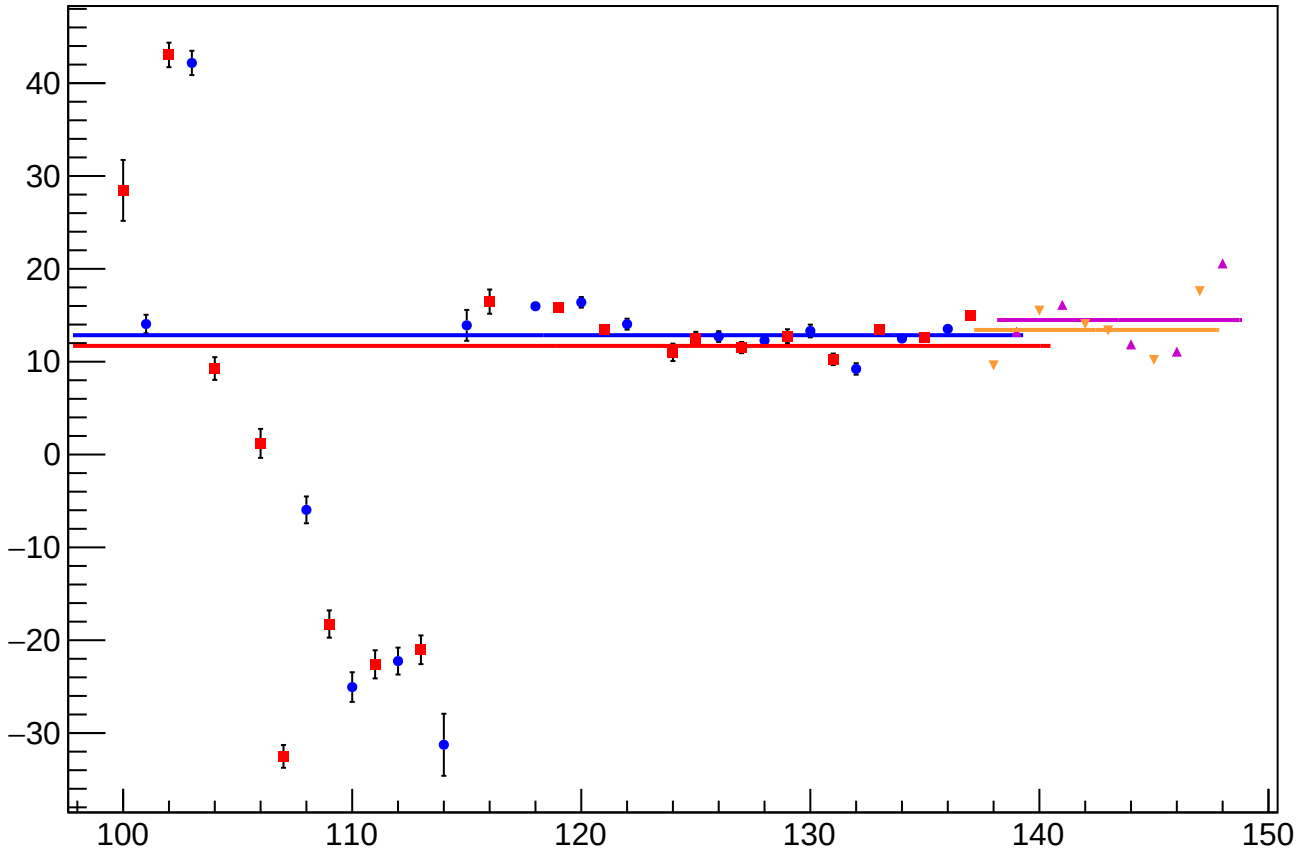
Left: -3.970+/-0.110 χ^2/NDF: 1012.4/10

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.194+/-0.108 χ^2/NDF:695.0/20

Out: -5.274+/-0.107 χ^2/NDF:1764.6/24

All: -6.230+/-0.076 χ^2/NDF: 2619.4/45



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.421+/-0.141 χ^2/NDF:379.7/5

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 14.489+/-0.158 χ^2/NDF:416.4/4

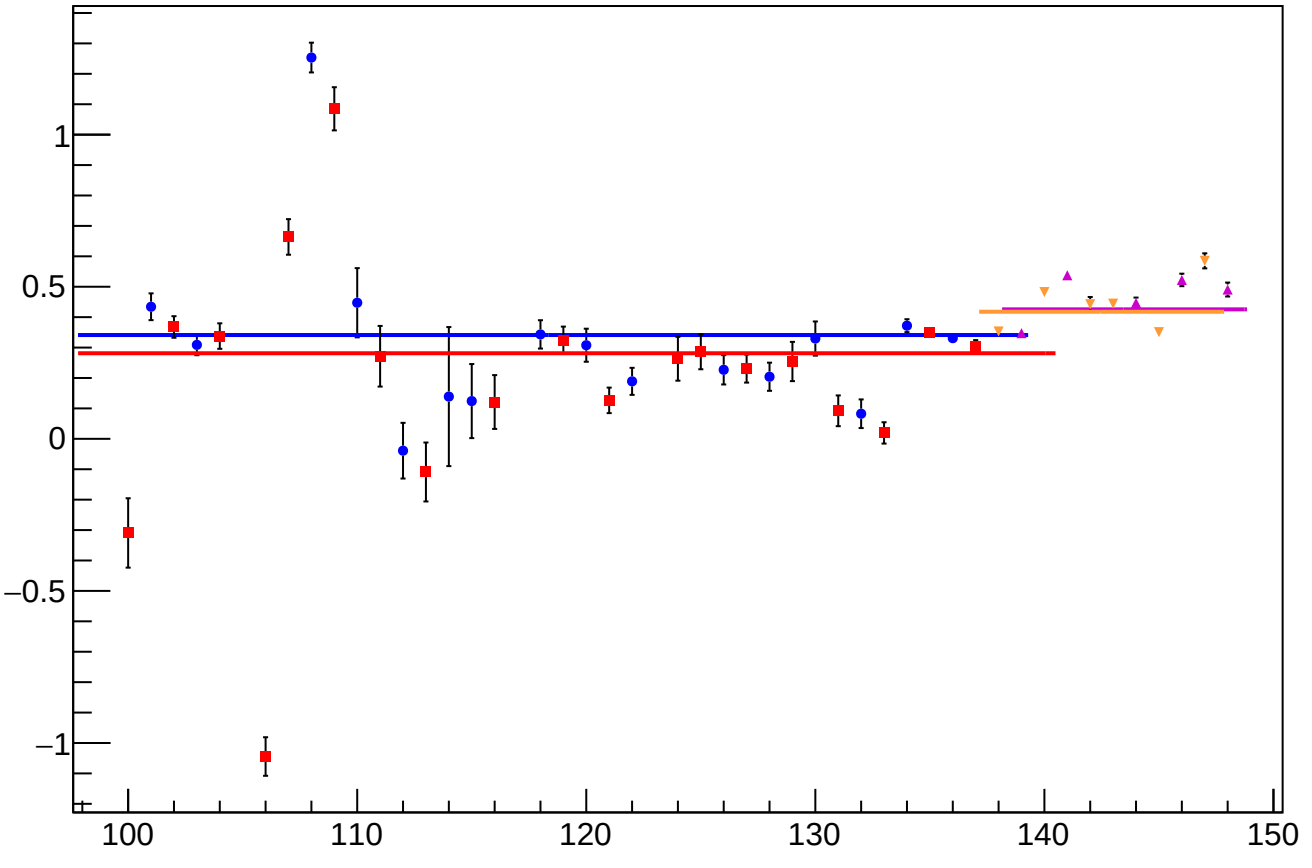
Left: 13.892+/-0.105 χ^2/NDF: 821.5/10

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.628+/-0.109 χ^2/NDF:2600.9/20

Out: 12.643+/-0.104 χ^2/NDF:3946.1/24

All: 13.113+/-0.075 χ^2/NDF: 6589.6/45



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.418+/-0.006 χ^2/NDF:130.2/5

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.426+/-0.006 χ^2/NDF:170.9/4

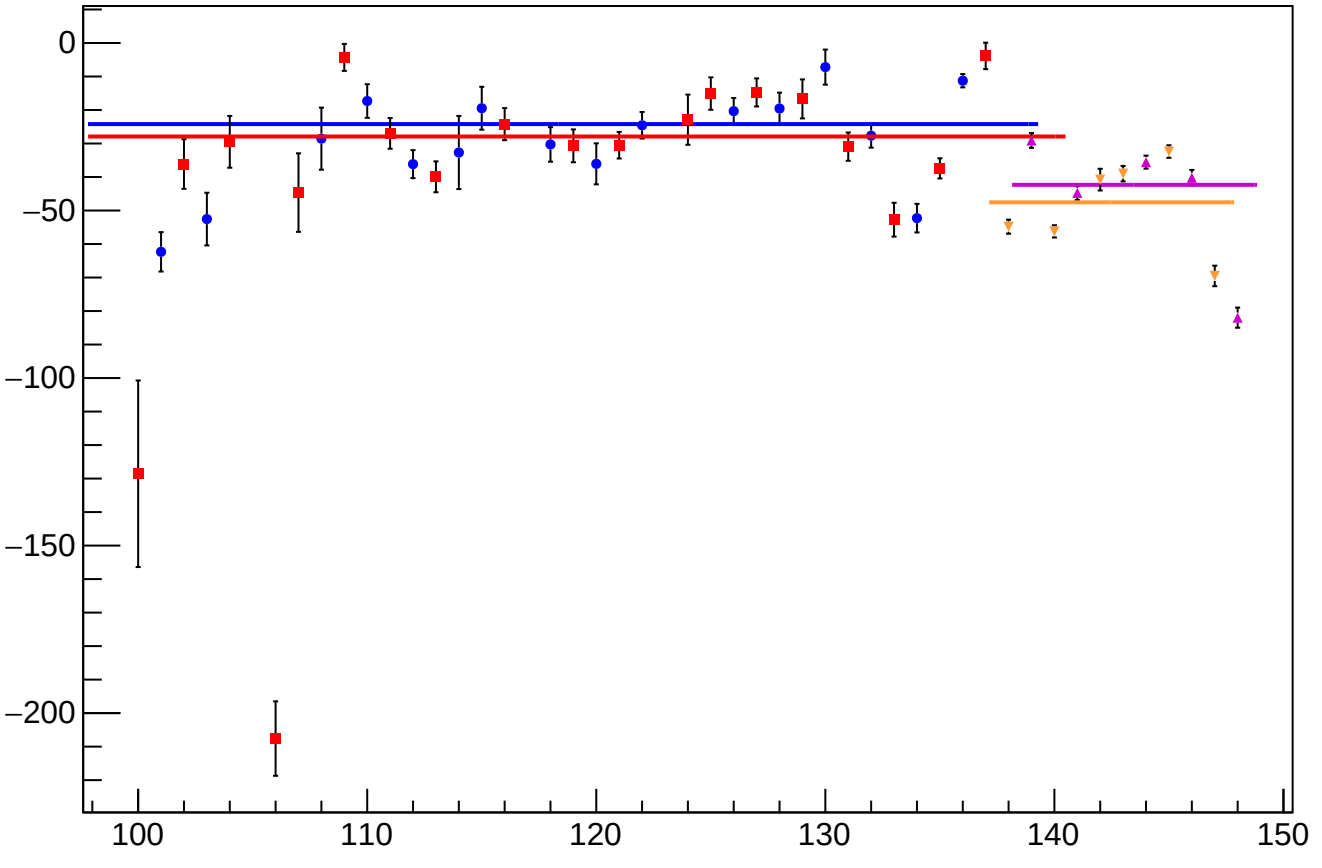
Left: 0.422+/-0.004 χ^2/NDF: 301.9/10

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.393+/-0.005 χ^2/NDF:675.8/20

Out: 0.370+/-0.005 χ^2/NDF:1077.4/24

All: 0.382+/-0.004 χ^2/NDF: 1763.2/45



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.550+/-0.914 χ^2/NDF:169.0/5

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -42.335+/-1.008 χ^2/NDF:224.2/4

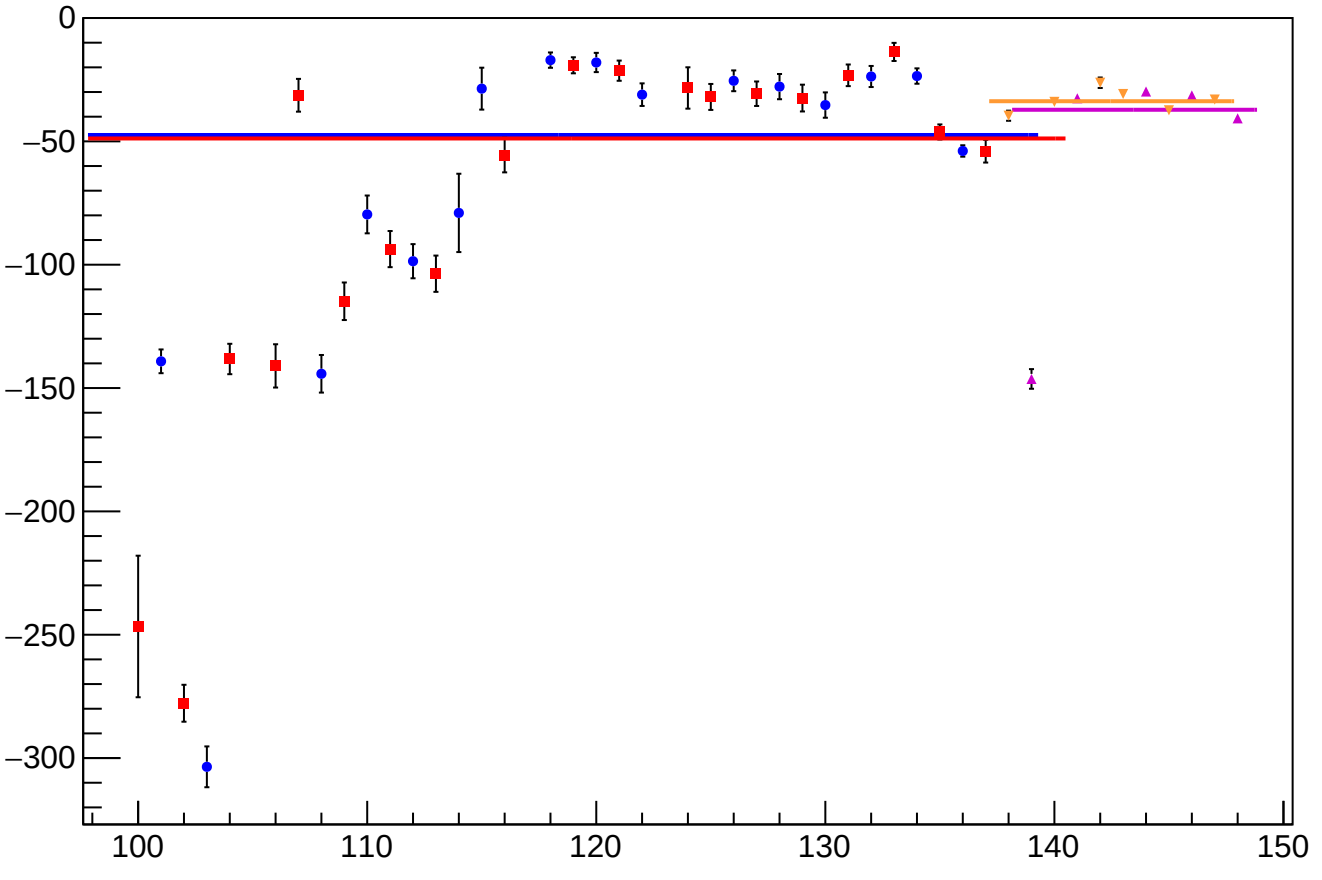
Left: -45.195+/-0.677 χ^2/NDF: 407.9/10

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -33.950+/-0.739 χ^2/NDF:544.7/20

Out: -39.836+/-0.713 χ^2/NDF:763.6/24

All: -37.000+/-0.513 χ^2/NDF: 1341.2/45



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -33.728+/-0.678 χ^2/NDF:29.7/5

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -37.193+/-0.712 χ^2/NDF:808.9/4

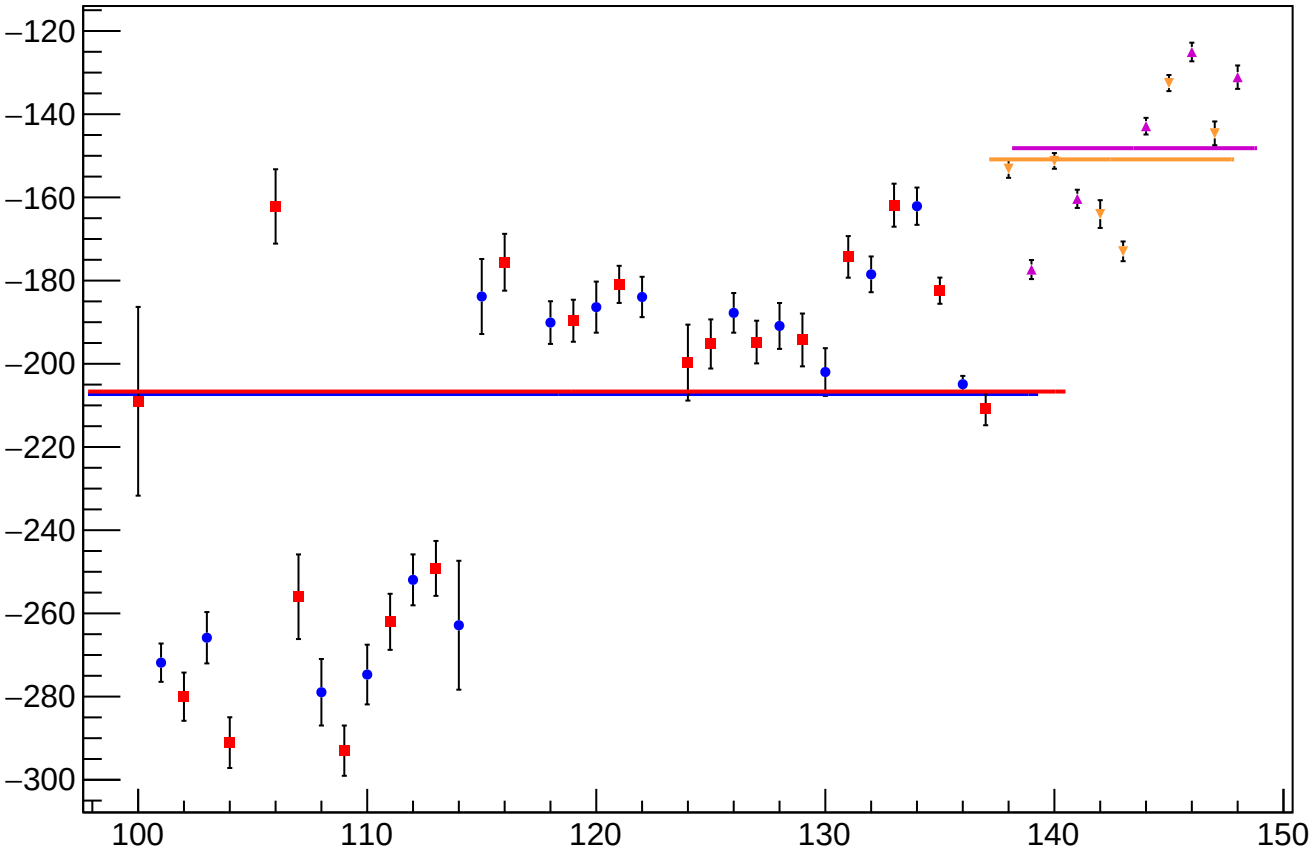
Left: -35.377+/-0.491 χ^2/NDF: 851.0/10

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.207+/-0.598 χ^2/NDF:2743.2/20

Out: -37.467+/-0.588 χ^2/NDF:1927.0/24

All: -38.815+/-0.419 χ^2/NDF: 4681.0/45



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.864+/-0.934 χ^2/NDF:198.2/5

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -148.169+/-1.014 χ^2/NDF:342.7/4

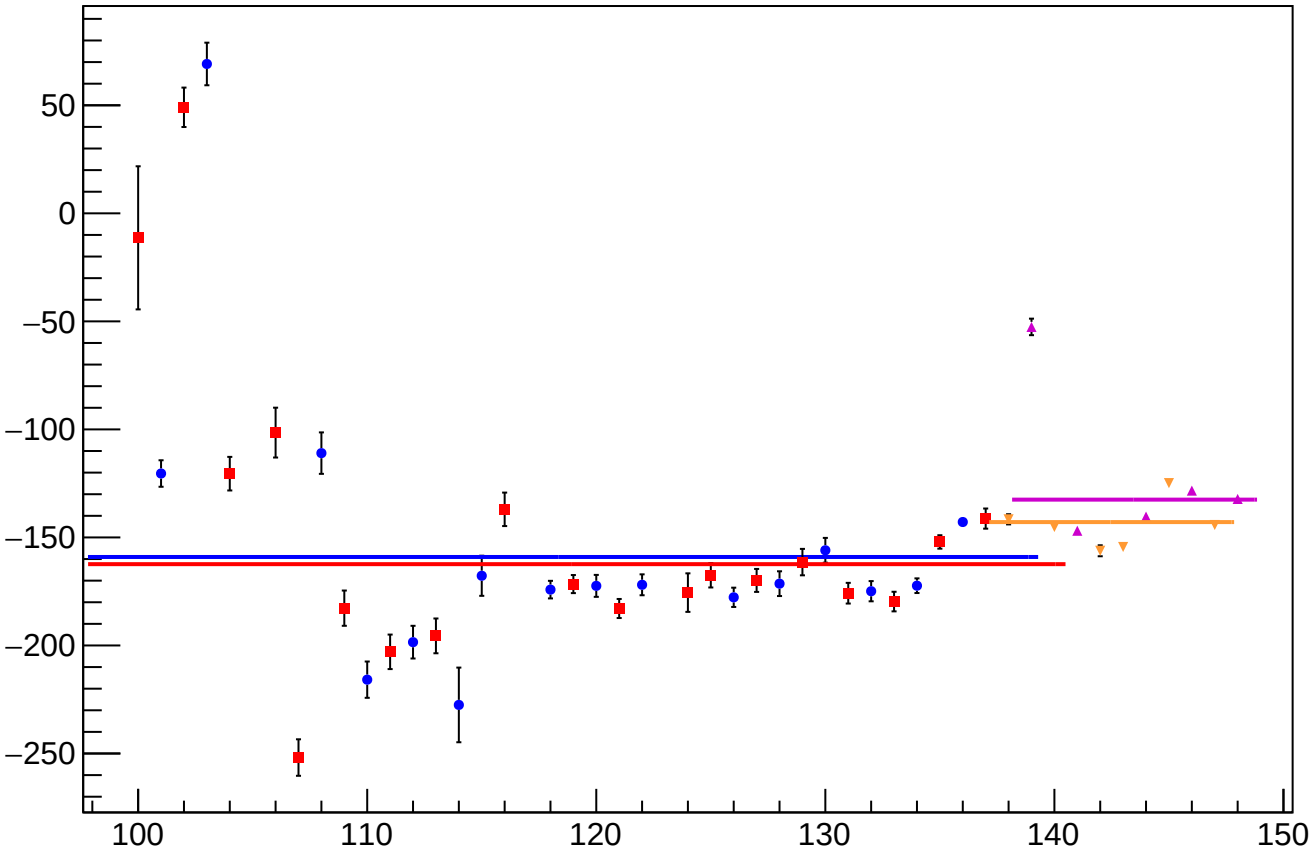
Left: -149.626+/-0.687 χ^2/NDF: 544.7/10

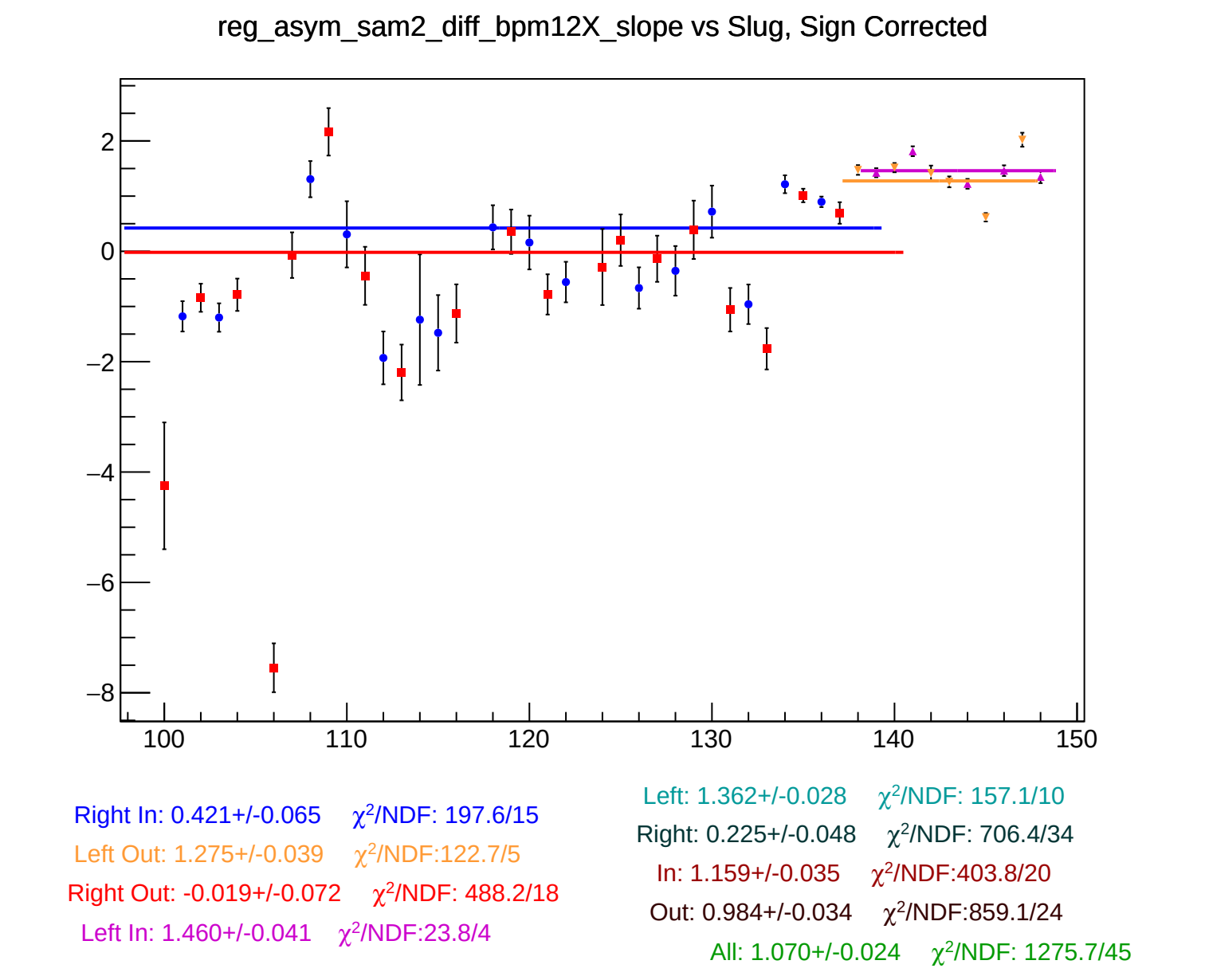
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

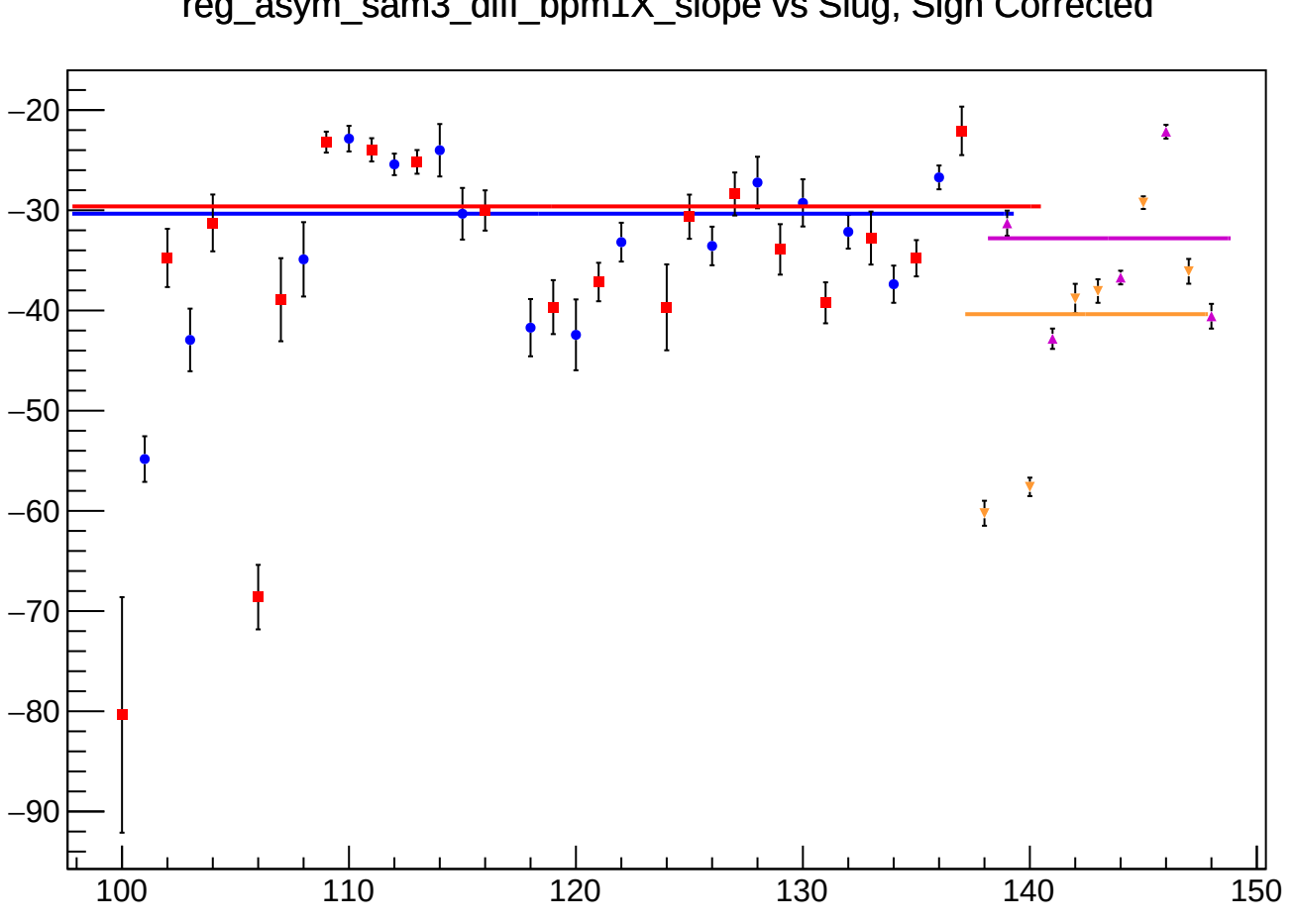
In: -173.305+/-0.768 χ^2/NDF:2536.7/20

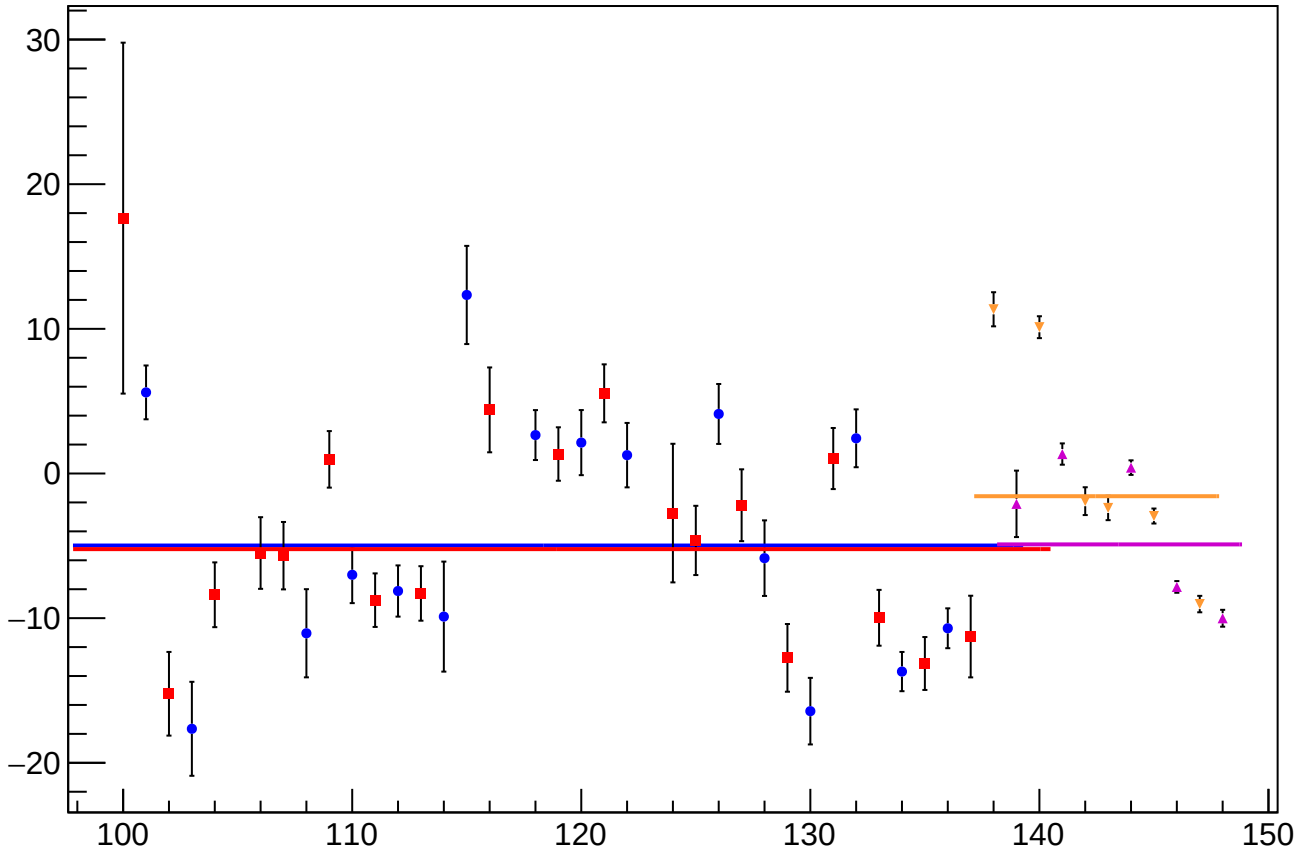
Out: -170.277+/-0.755 χ^2/NDF:2408.4/24

All: -171.763+/-0.538 χ^2/NDF: 4953.0/45


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -142.898+/-0.822 χ²/NDF:168.9/5
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -132.505+/-0.876 χ²/NDF:525.1/4
Left: -138.033+/-0.600 χ²/NDF: 768.8/10
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -141.485+/-0.713 χ²/NDF:1651.3/20
Out: -148.315+/-0.698 χ²/NDF:1197.6/24
All: -144.970+/-0.499 χ²/NDF: 2895.7/45


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.275+/-0.039 χ²/NDF:122.7/5
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.460+/-0.041 χ²/NDF:23.8/4
Left: 1.362+/-0.028 χ²/NDF: 157.1/10
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.159+/-0.035 χ²/NDF:403.8/20
Out: 0.984+/-0.034 χ²/NDF:859.1/24
All: 1.070+/-0.024 χ²/NDF: 1275.7/45


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -40.369+/-0.403 χ²/NDF:931.2/5
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -32.796+/-0.393 χ²/NDF:408.4/4
Left: -36.487+/-0.281 χ²/NDF: 1520.9/10
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -31.782+/-0.301 χ²/NDF:678.1/20
Out: -35.592+/-0.300 χ²/NDF:1577.3/24
All: -33.691+/-0.212 χ²/NDF: 2335.8/45



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.570+/-0.291 χ^2/NDF:538.8/5

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -4.901+/-0.258 χ^2/NDF:314.1/4

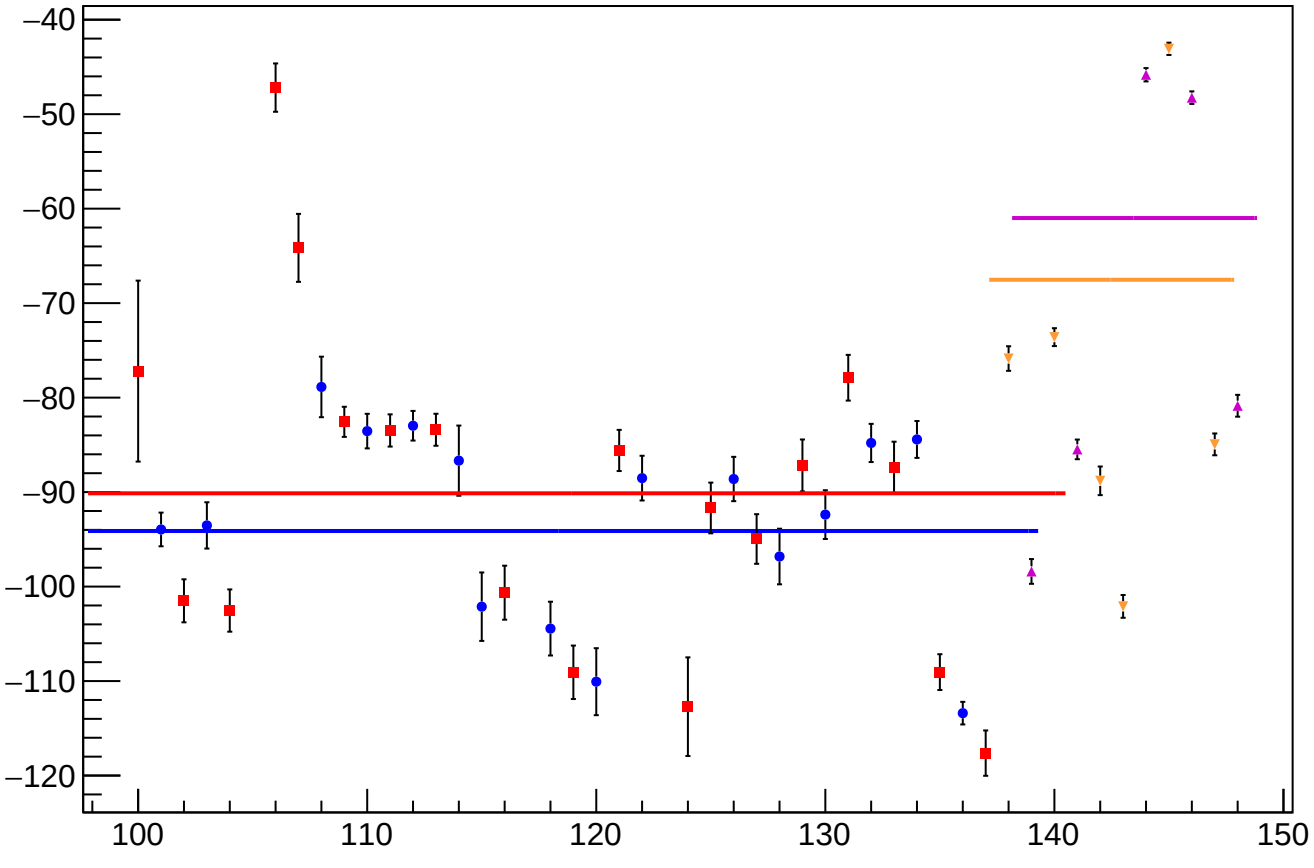
Left: -3.438+/-0.193 χ^2/NDF: 926.1/10

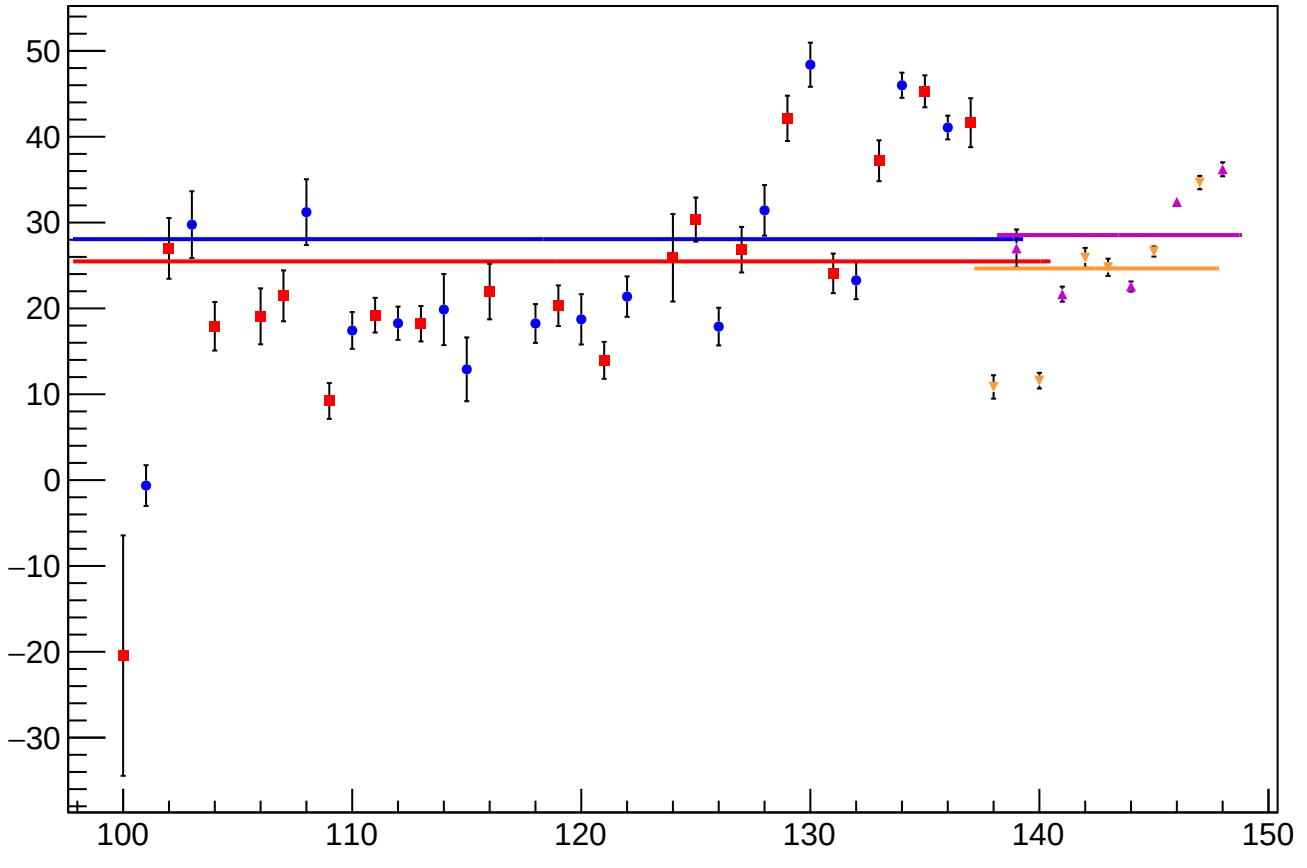
Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.917+/-0.230 χ^2/NDF:551.4/20

Out: -2.435+/-0.255 χ^2/NDF:712.5/24

All: -3.801+/-0.171 χ^2/NDF: 1316.3/45


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -67.526+/-0.410 χ²/NDF:2740.1/5
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -60.992+/-0.391 χ²/NDF:2493.9/4
Left: -64.106+/-0.283 χ²/NDF: 5366.8/10
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -72.486+/-0.316 χ²/NDF:5444.9/20
Out: -75.739+/-0.327 χ²/NDF:4632.6/24
All: -74.057+/-0.227 χ²/NDF: 10128.6/45



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.654+/-0.354 χ^2/NDF:484.3/5

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 28.549+/-0.321 χ^2/NDF:311.4/4

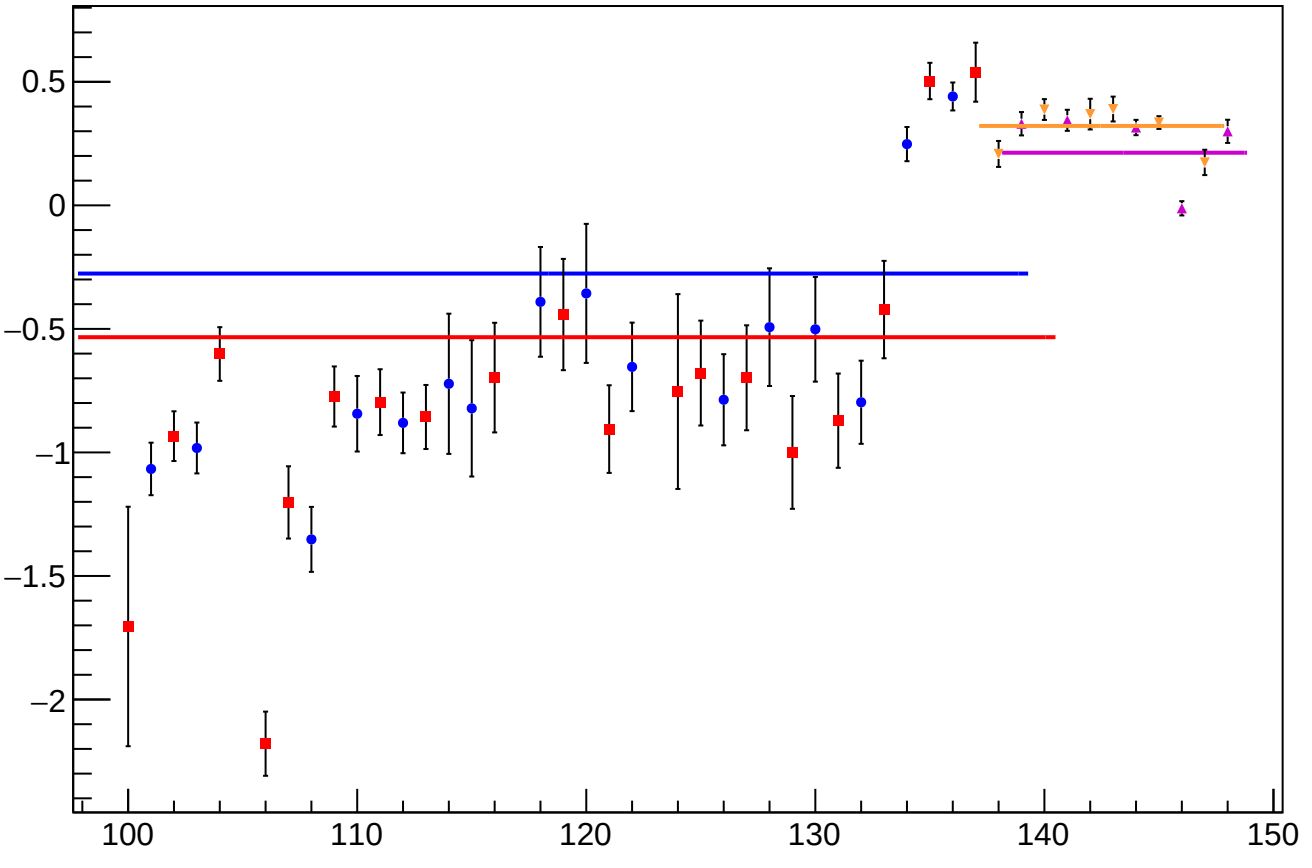
Left: 26.794+/-0.238 χ^2/NDF: 862.2/10

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.433+/-0.279 χ^2/NDF:895.0/20

Out: 24.872+/-0.304 χ^2/NDF:840.4/24

All: 26.800+/-0.206 χ^2/NDF: 1809.9/45



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.321+/-0.017 χ^2/NDF:18.1/5

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.213+/-0.016 χ^2/NDF:90.6/4

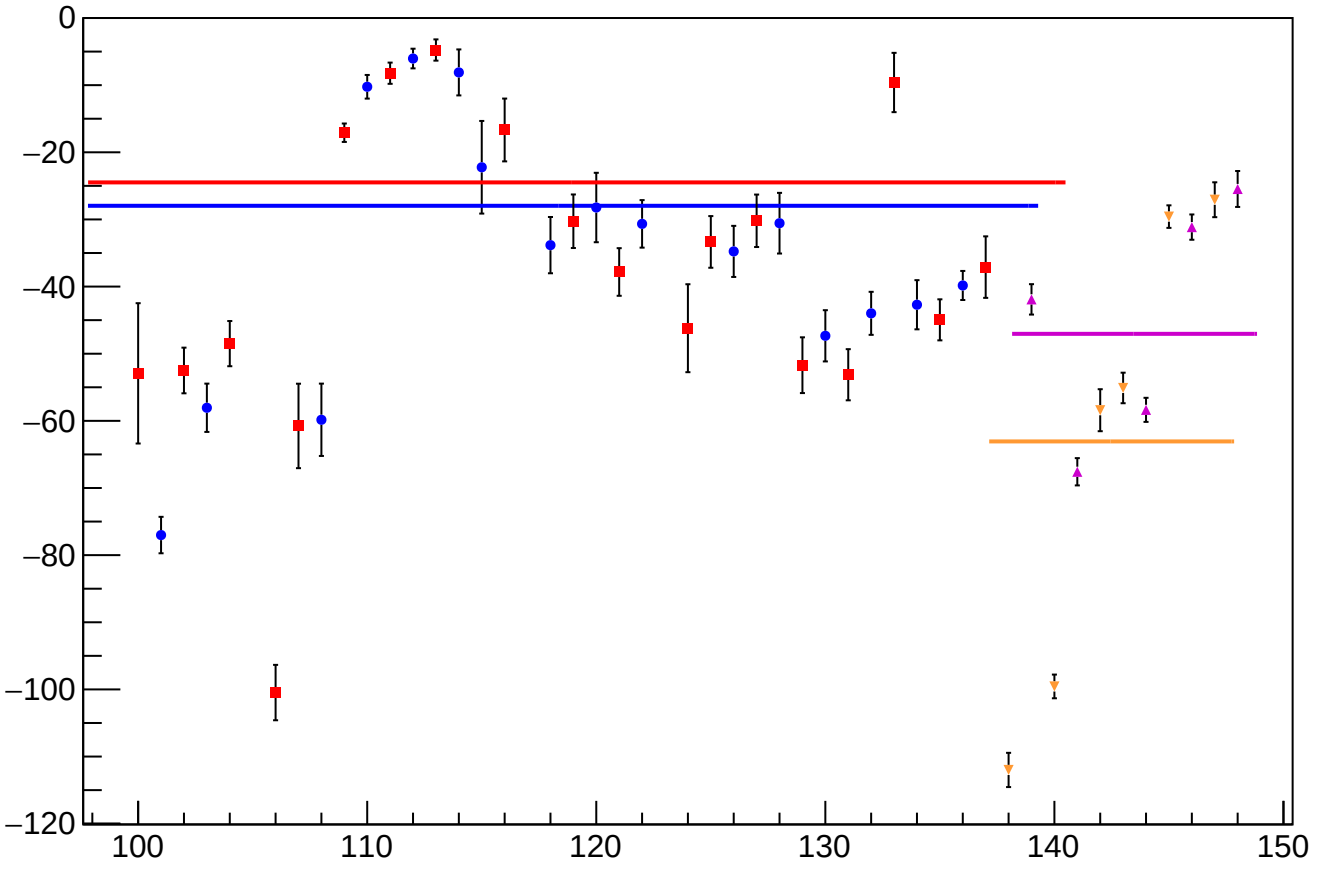
Left: 0.266+/-0.012 χ^2/NDF: 129.8/10

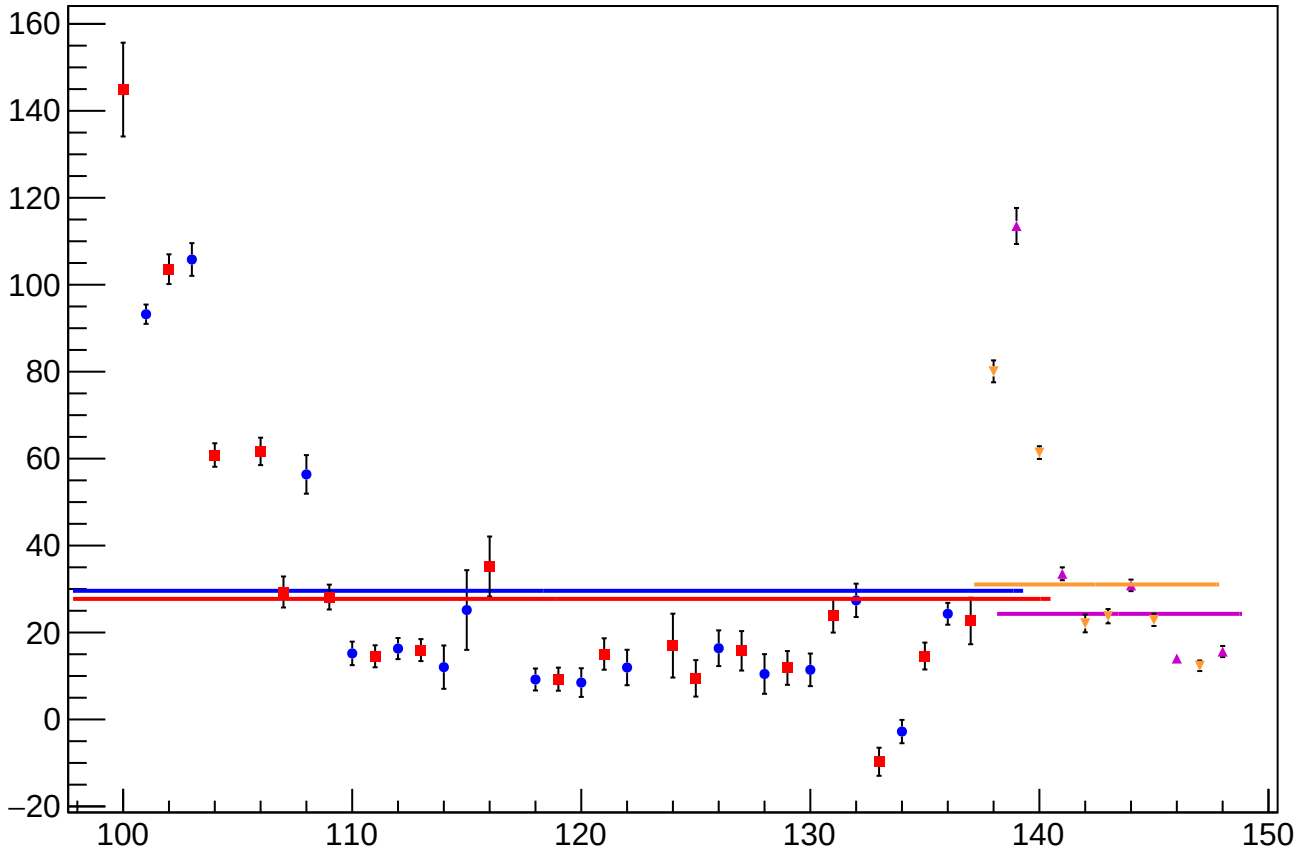
Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.104+/-0.014 χ^2/NDF:744.0/20

Out: 0.141+/-0.015 χ^2/NDF:1062.9/24

All: 0.121+/-0.010 χ^2/NDF: 1810.1/45


reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -27.967+/-0.728 χ²/NDF: 894.7/15
Left Out: -63.064+/-0.886 χ²/NDF:1399.7/5
Right Out: -24.485+/-0.663 χ²/NDF: 989.7/18
Left In: -47.040+/-0.924 χ²/NDF:283.5/4
Left: -55.389+/-0.640 χ²/NDF: 1839.8/10
Right: -26.064+/-0.490 χ²/NDF: 1896.8/34
In: -35.263+/-0.572 χ²/NDF:1441.0/20
Out: -38.323+/-0.531 χ²/NDF:3604.4/24
All: -36.906+/-0.389 χ²/NDF: 5060.8/45



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 31.050+/-0.642 χ^2/NDF:1117.2/5

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 24.294+/-0.639 χ^2/NDF:652.9/4

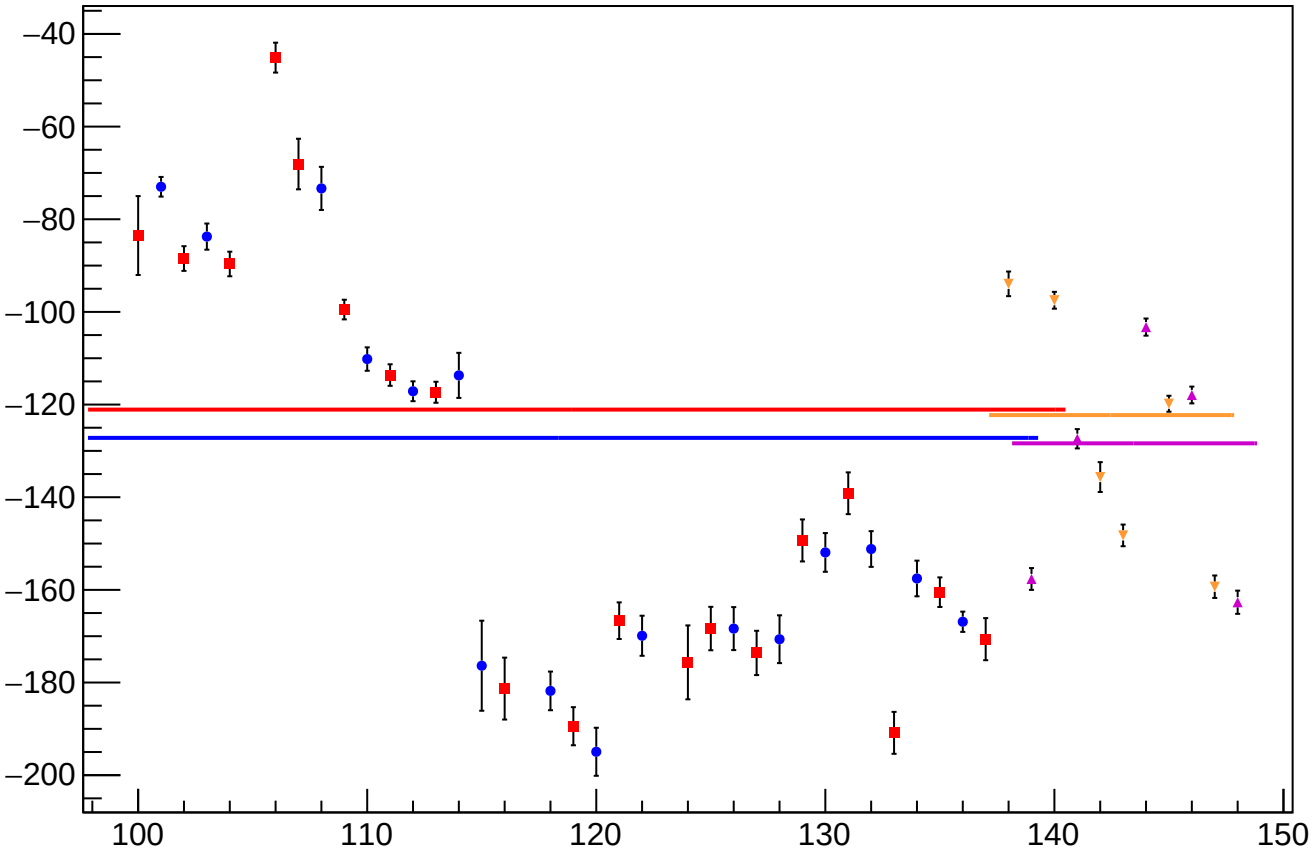
Left: 27.654+/-0.453 χ^2/NDF: 1825.6/10

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.336+/-0.501 χ^2/NDF:2345.1/20

Out: 29.745+/-0.500 χ^2/NDF:2312.7/24

All: 28.043+/-0.354 χ^2/NDF: 4681.0/45



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -122.273+/-0.901 χ^2/NDF:676.0/5

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -128.369+/-0.926 χ^2/NDF:559.8/4

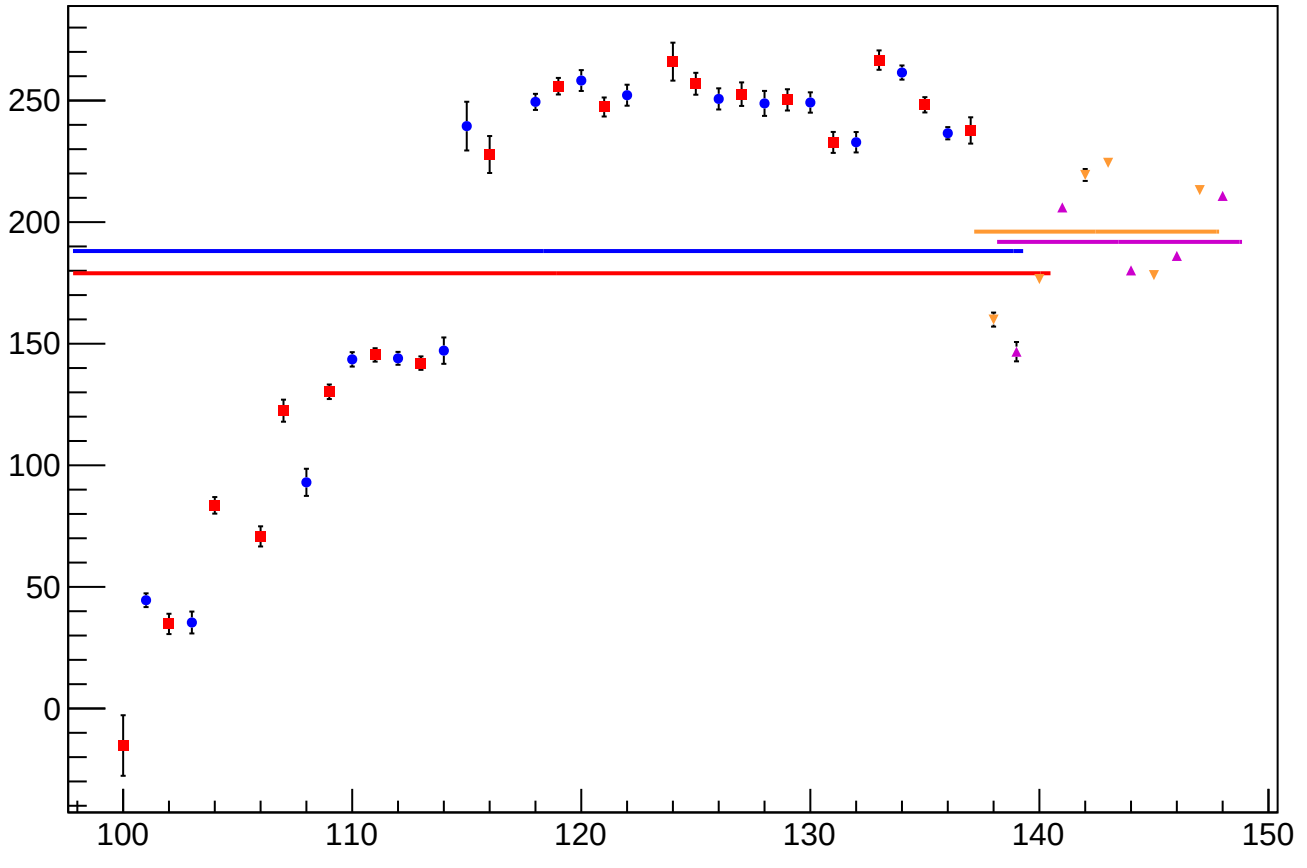
Left: -125.240+/-0.646 χ^2/NDF: 1258.1/10

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -127.715+/-0.618 χ^2/NDF:2738.9/20

Out: -121.607+/-0.597 χ^2/NDF:3074.3/24

All: -124.559+/-0.429 χ^2/NDF: 5863.7/45



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.095+/-0.783 χ^2/NDF:813.5/5

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 191.876+/-0.787 χ^2/NDF:380.7/4

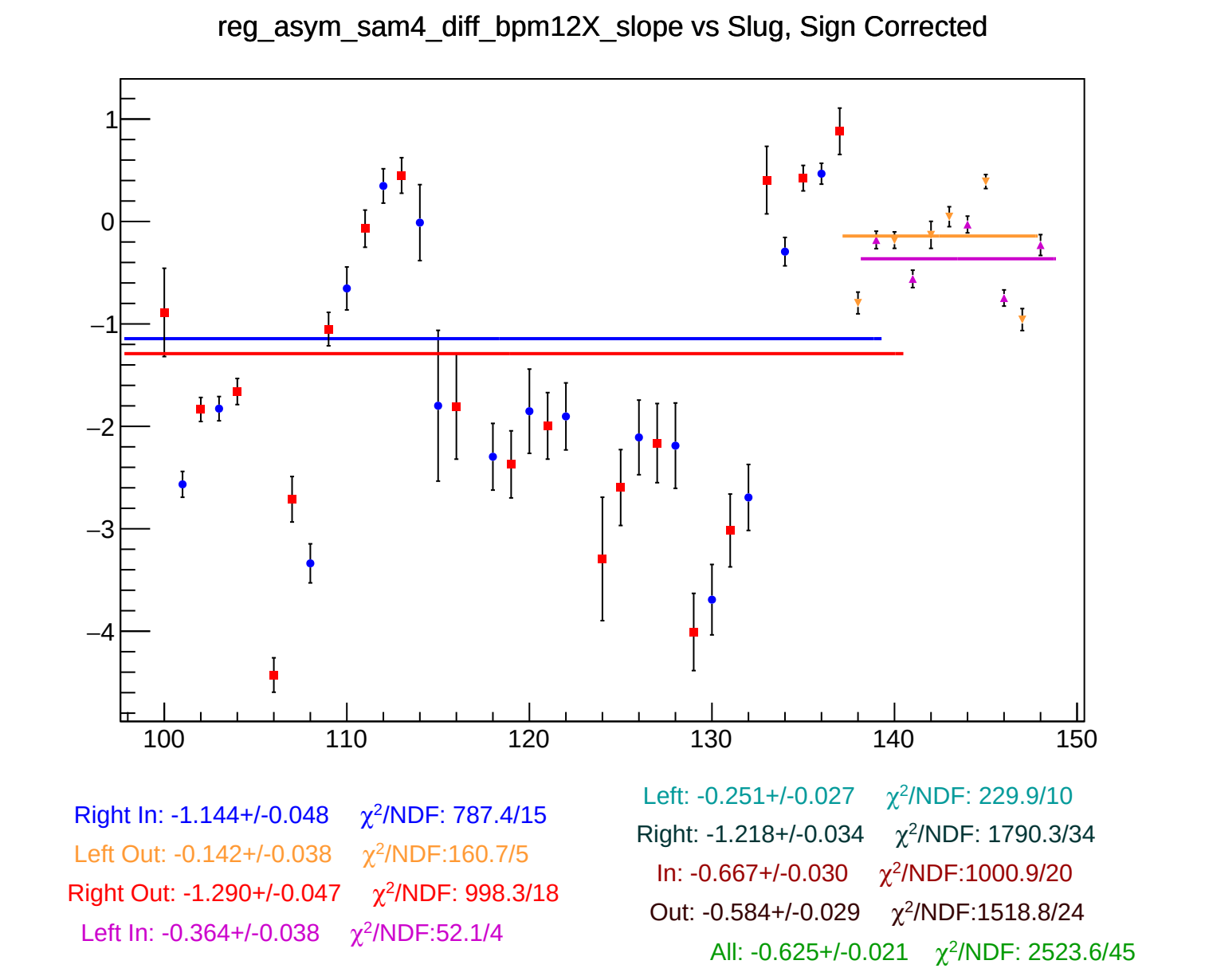
Left: 193.997+/-0.555 χ^2/NDF: 1208.7/10

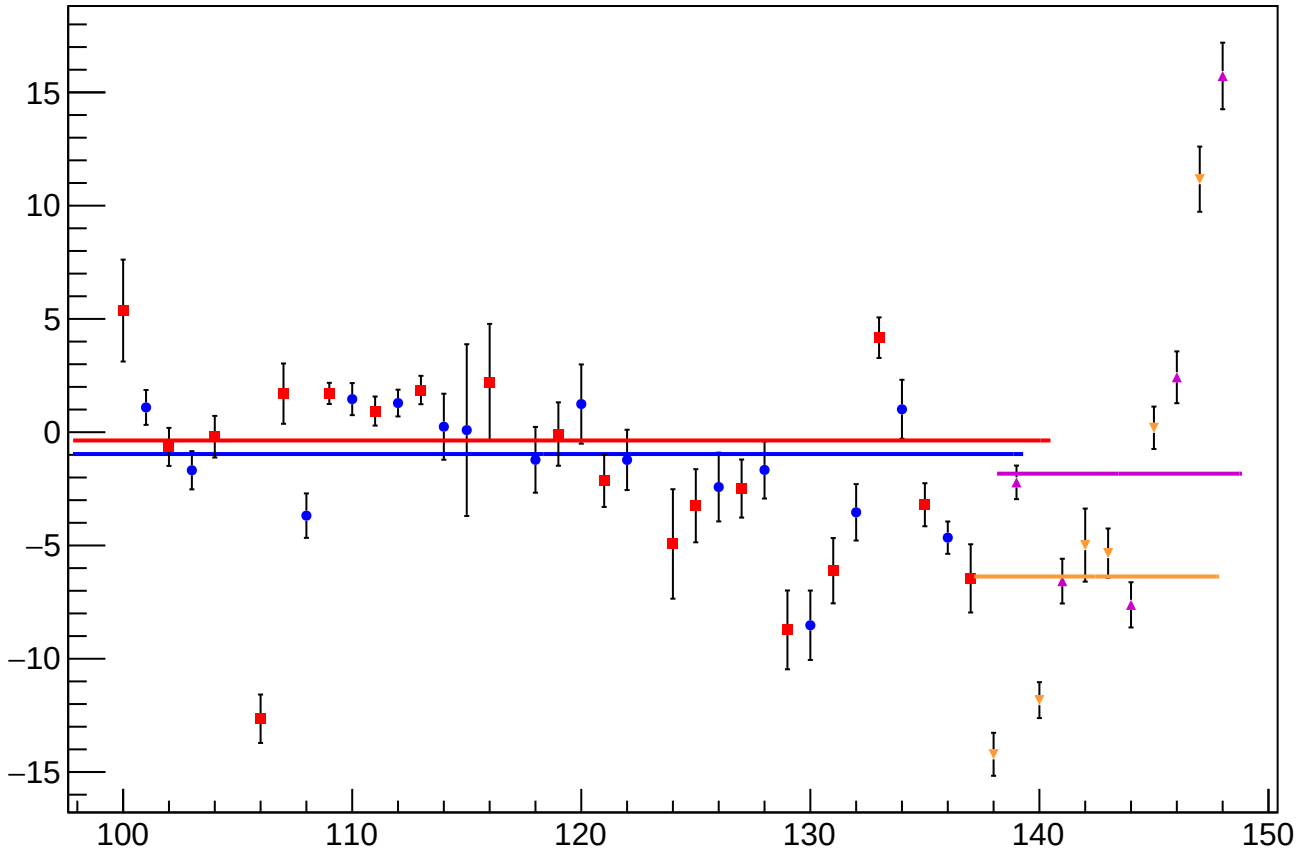
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 190.279+/-0.598 χ^2/NDF:7509.1/20

Out: 188.795+/-0.593 χ^2/NDF:7686.4/24

All: 189.531+/-0.421 χ^2/NDF: 15198.6/45


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -1.144+/-0.048 χ²/NDF: 787.4/15
Left Out: -0.142+/-0.038 χ²/NDF:160.7/5
Right Out: -1.290+/-0.047 χ²/NDF: 998.3/18
Left In: -0.364+/-0.038 χ²/NDF:52.1/4
Left: -0.251+/-0.027 χ²/NDF: 229.9/10
Right: -1.218+/-0.034 χ²/NDF: 1790.3/34
In: -0.667+/-0.030 χ²/NDF:1000.9/20
Out: -0.584+/-0.029 χ²/NDF:1518.8/24
All: -0.625+/-0.021 χ²/NDF: 2523.6/45



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.370+/-0.424 χ^2/NDF:315.3/5

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -1.831+/-0.444 χ^2/NDF:213.7/4

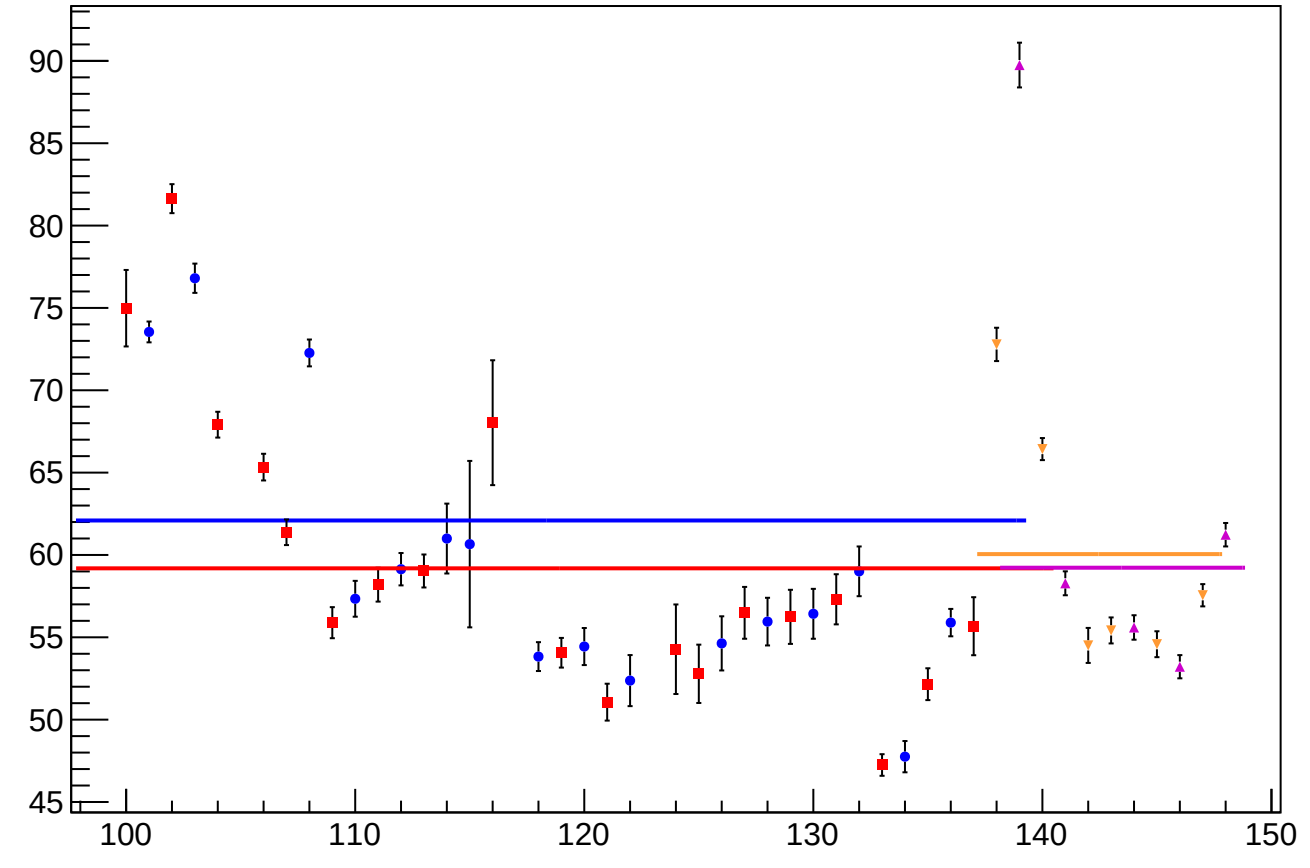
Left: -4.203+/-0.307 χ^2/NDF: 583.7/10

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.177+/-0.220 χ^2/NDF:319.8/20

Out: -1.673+/-0.198 χ^2/NDF:752.7/24

All: -1.451+/-0.147 χ^2/NDF: 1075.3/45



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 60.052+/-0.324 χ^2/NDF:372.7/5

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 59.225+/-0.348 χ^2/NDF:610.7/4

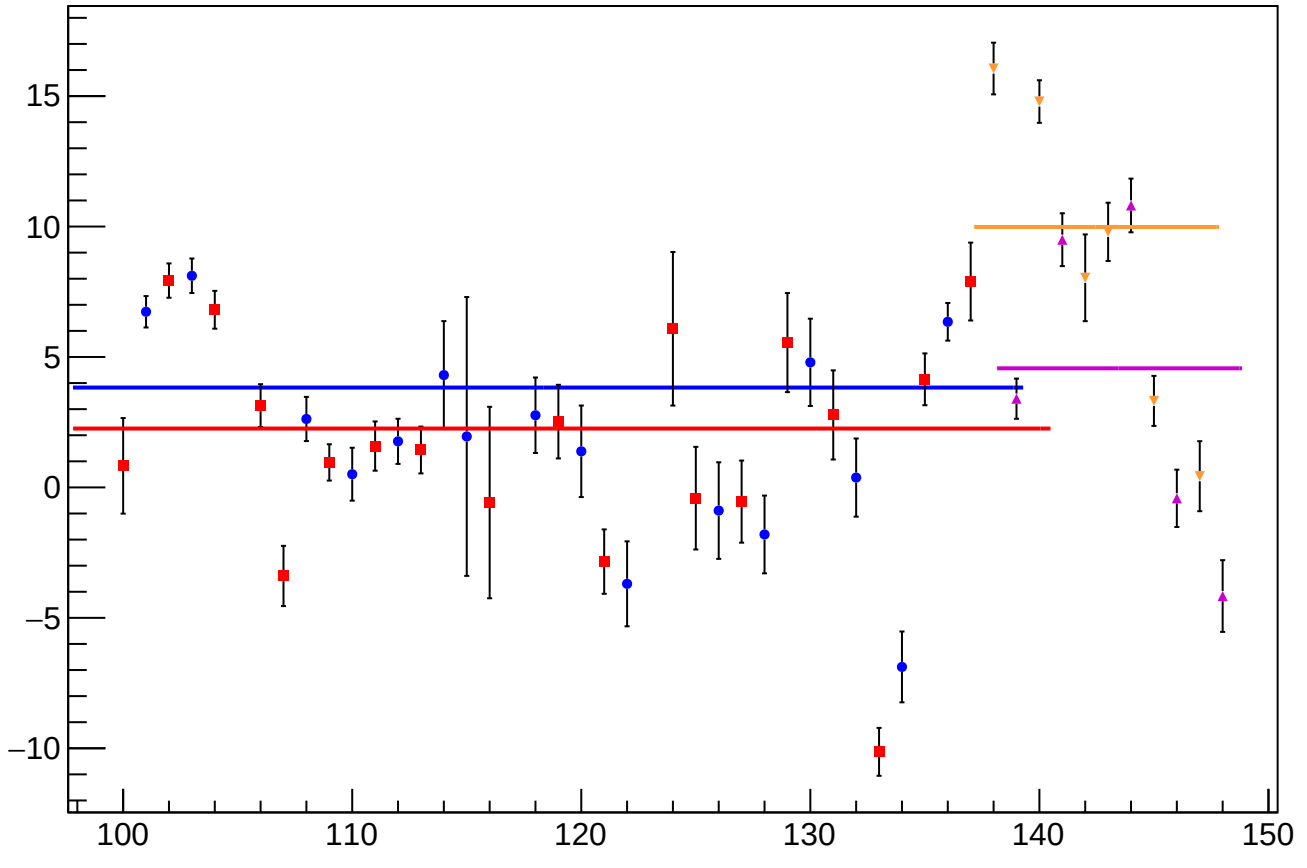
Left: 59.668+/-0.237 χ^2/NDF: 986.4/10

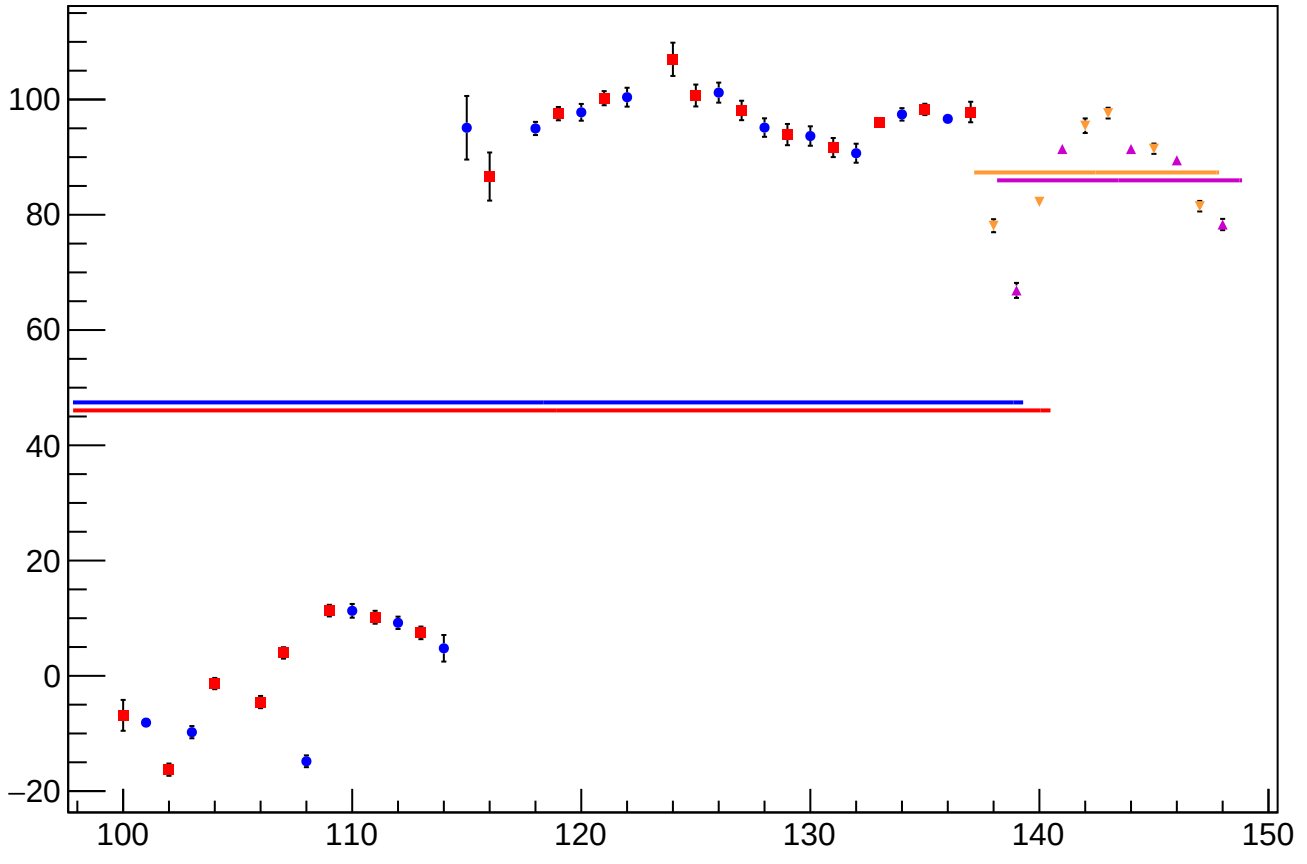
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 61.041+/-0.211 χ^2/NDF:1954.8/20

Out: 59.500+/-0.195 χ^2/NDF:1779.4/24

All: 60.209+/-0.143 χ^2/NDF: 3763.0/45


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
100
110
120
130
140
150
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 9.984+/-0.433 χ²/NDF:172.7/5
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 4.565+/-0.449 χ²/NDF:123.7/4
Left: 7.370+/-0.312 χ²/NDF: 371.8/10
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 4.019+/-0.228 χ²/NDF:334.3/20
Out: 4.146+/-0.214 χ²/NDF:784.9/24
All: 4.086+/-0.156 χ²/NDF: 1119.4/45



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 87.339+/-0.391 χ^2/NDF:332.0/5

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 85.970+/-0.421 χ^2/NDF:370.9/4

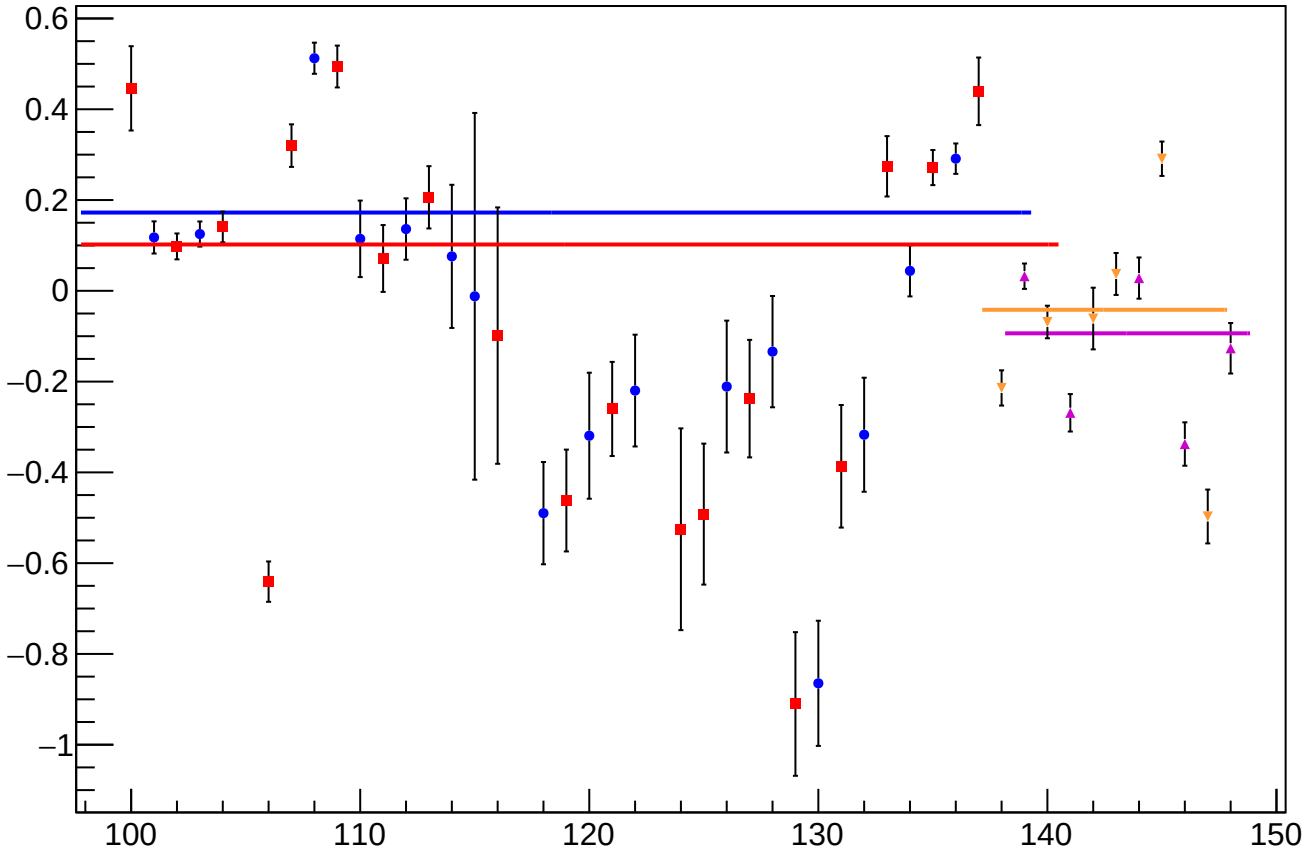
Left: 86.705+/-0.286 χ^2/NDF: 708.5/10

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 60.884+/-0.249 χ^2/NDF:32714.5/20

Out: 60.352+/-0.230 χ^2/NDF:36526.8/24

All: 60.597+/-0.169 χ^2/NDF: 69243.8/45



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.042+/-0.018 χ^2/NDF:159.4/5

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.094+/-0.018 χ^2/NDF:71.9/4

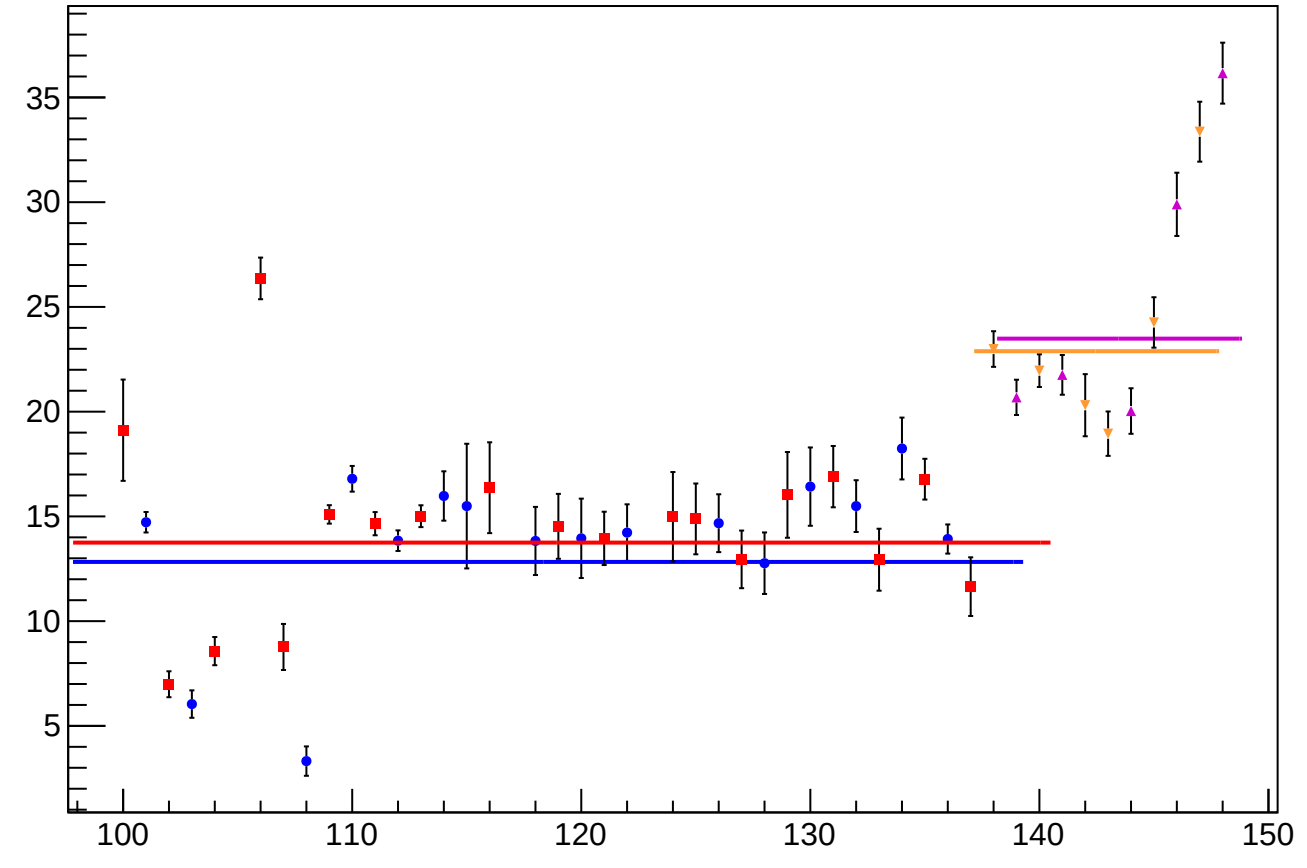
Left: -0.068+/-0.013 χ^2/NDF: 235.4/10

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.070+/-0.011 χ^2/NDF:472.6/20

Out: 0.050+/-0.011 χ^2/NDF:759.3/24

All: 0.060+/-0.008 χ^2/NDF: 1233.5/45



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.886+/-0.424 χ^2/NDF:73.2/5

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 23.486+/-0.483 χ^2/NDF:118.4/4

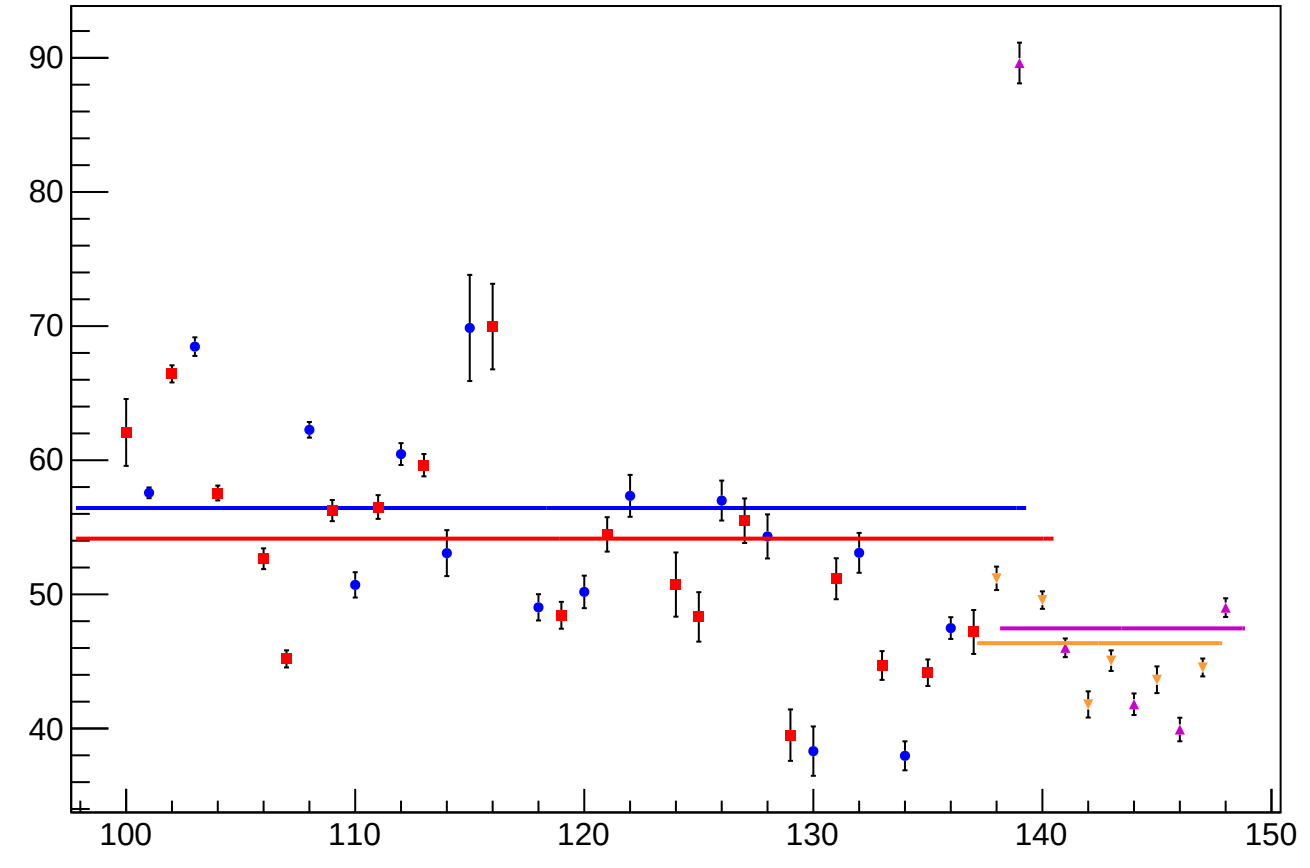
Left: 23.147+/-0.319 χ^2/NDF: 192.5/10

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 14.574+/-0.196 χ^2/NDF:912.8/20

Out: 15.466+/-0.184 χ^2/NDF:853.4/24

All: 15.048+/-0.134 χ^2/NDF: 1777.2/45



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.364+/-0.322 χ^2/NDF:94.5/5

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 47.464+/-0.368 χ^2/NDF:904.3/4

Left: 46.841+/-0.242 χ^2/NDF: 1003.9/10

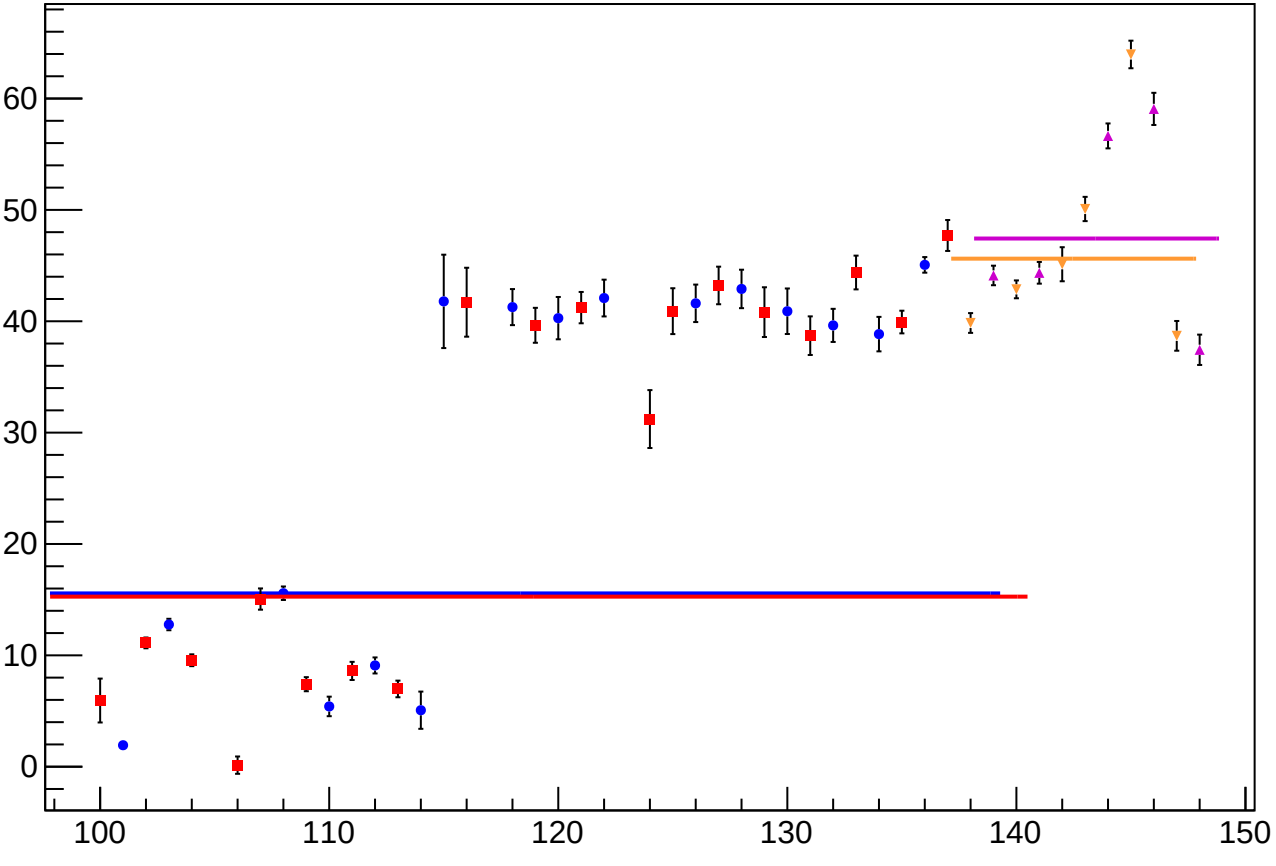
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 54.043+/-0.190 χ^2/NDF:2429.2/20

Out: 51.603+/-0.184 χ^2/NDF:1495.7/24

All: 52.785+/-0.132 χ^2/NDF: 4009.9/45

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 45.621+/-0.434 χ^2/NDF:317.2/5

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 47.429+/-0.490 χ^2/NDF:210.9/4

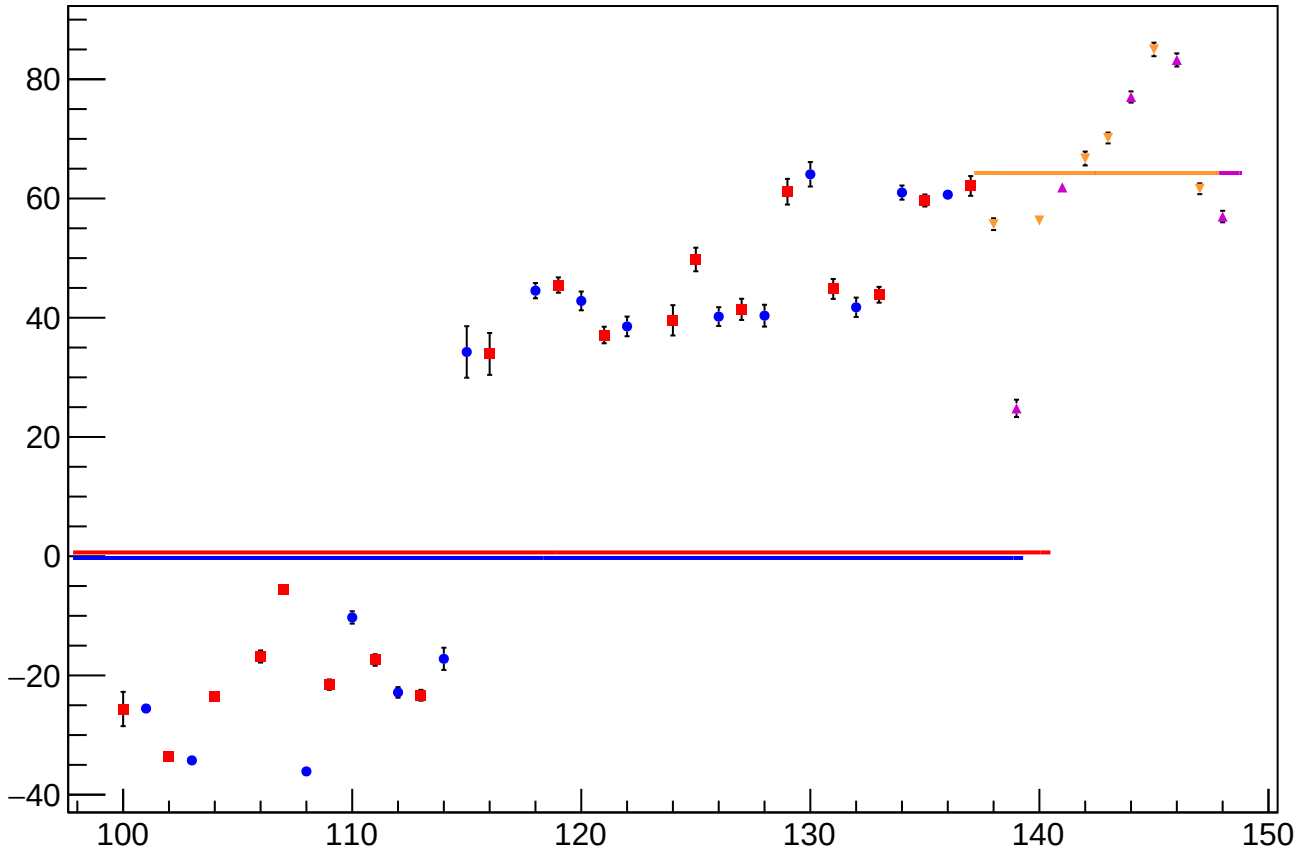
Left: 46.417+/-0.325 χ^2/NDF: 535.7/10

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 20.671+/-0.196 χ^2/NDF:8943.0/20

Out: 21.435+/-0.196 χ^2/NDF:8085.6/24

All: 21.054+/-0.138 χ^2/NDF: 17036.2/45



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.280+/-0.390 χ^2/NDF:566.0/5

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 64.273+/-0.449 χ^2/NDF:1283.2/4

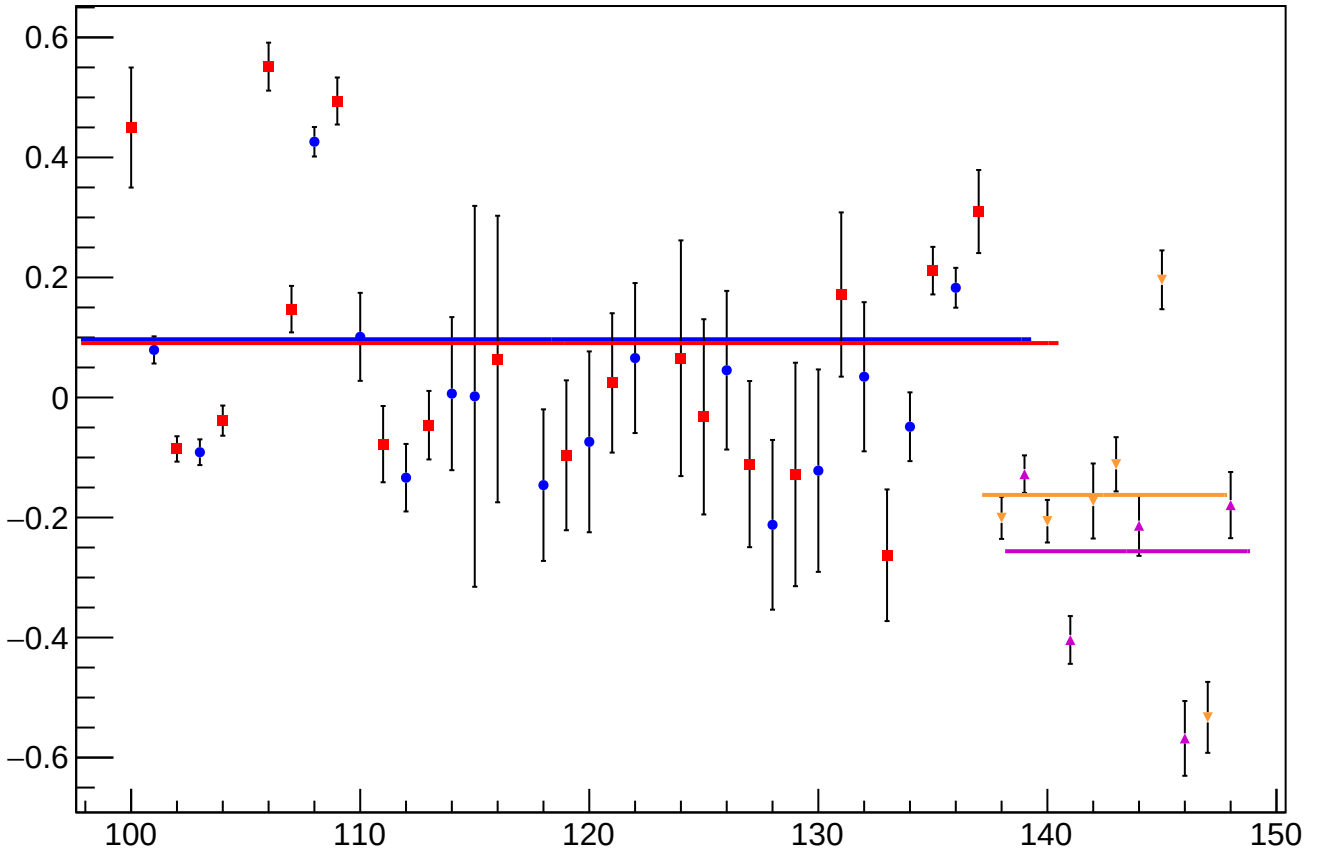
Left: 64.277+/-0.294 χ^2/NDF: 1849.2/10

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 16.063+/-0.226 χ^2/NDF:37772.9/20

Out: 20.624+/-0.218 χ^2/NDF:34904.5/24

All: 18.421+/-0.157 χ^2/NDF: 72888.2/45



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.162+/-0.018 χ^2/NDF:96.8/5

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.256+/-0.019 χ^2/NDF:58.4/4

Left: -0.206+/-0.013 χ^2/NDF: 167.7/10

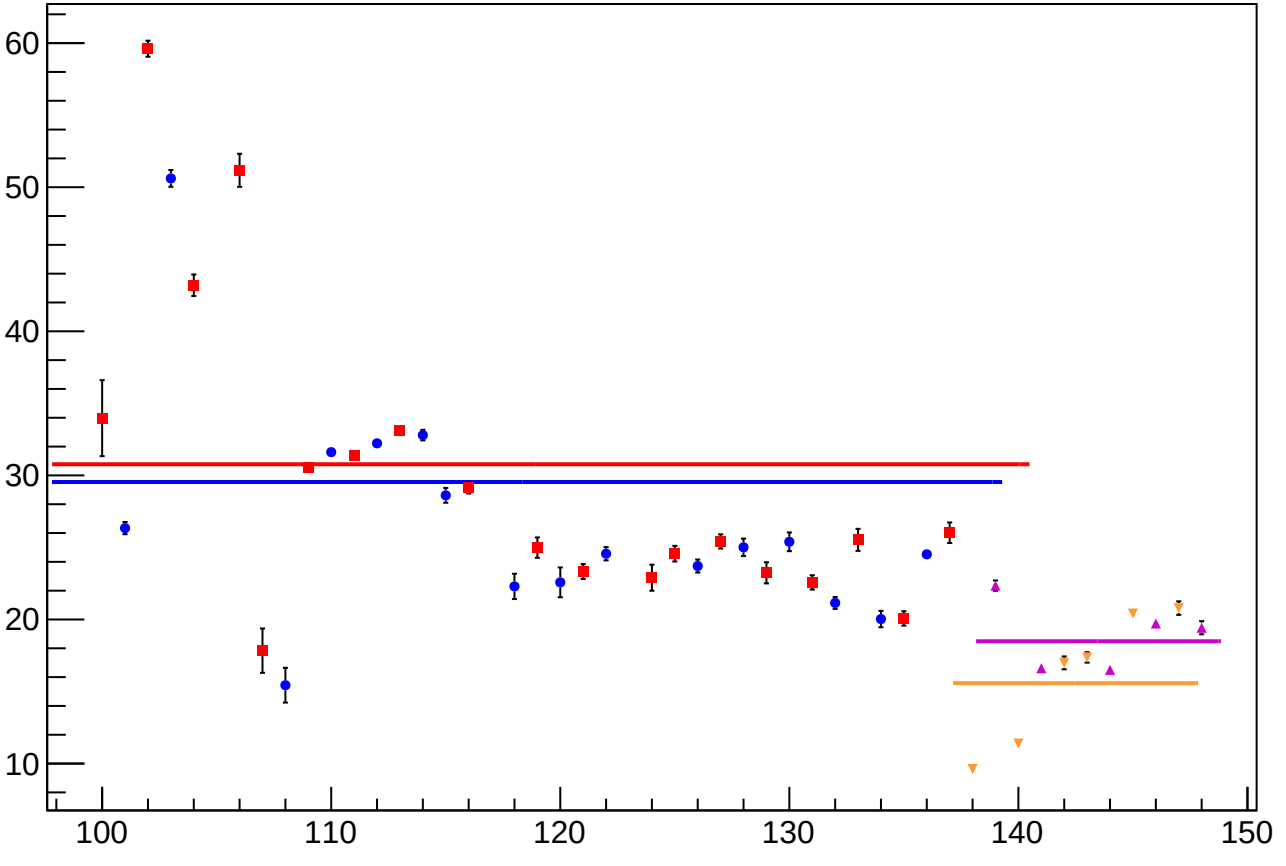
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.009+/-0.010 χ^2/NDF:604.5/20

Out: 0.019+/-0.010 χ^2/NDF:636.2/24

All: 0.014+/-0.007 χ^2/NDF: 1241.2/45

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.582+/-0.137 χ^2/NDF:1029.0/5

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.488+/-0.150 χ^2/NDF:220.8/4

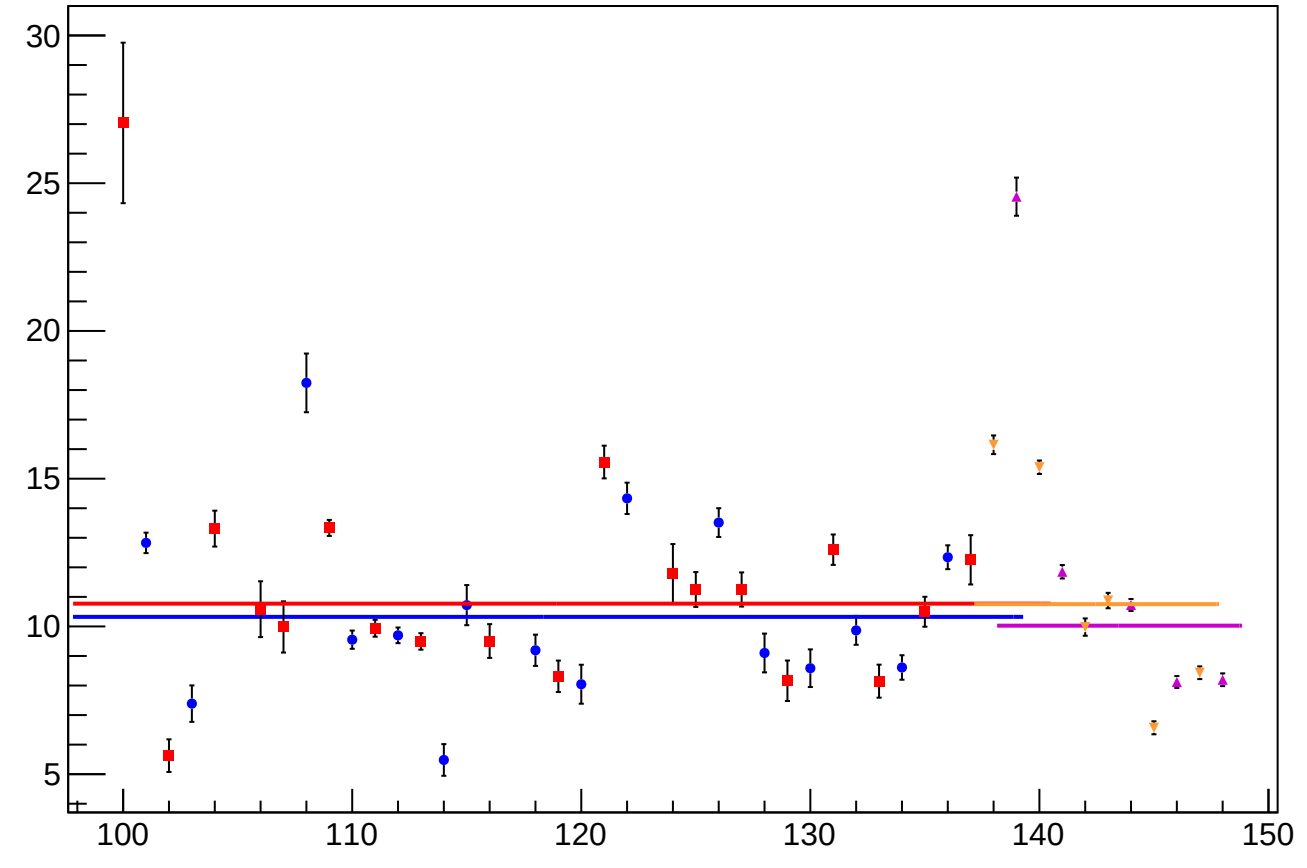
Left: 16.905+/-0.101 χ^2/NDF: 1453.2/10

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 26.534+/-0.078 χ^2/NDF:7525.2/20

Out: 26.920+/-0.069 χ^2/NDF:15220.5/24

All: 26.751+/-0.052 χ^2/NDF: 22759.3/45



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.754+/-0.101 χ^2/NDF:1185.8/5

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.026+/-0.104 χ^2/NDF:744.1/4

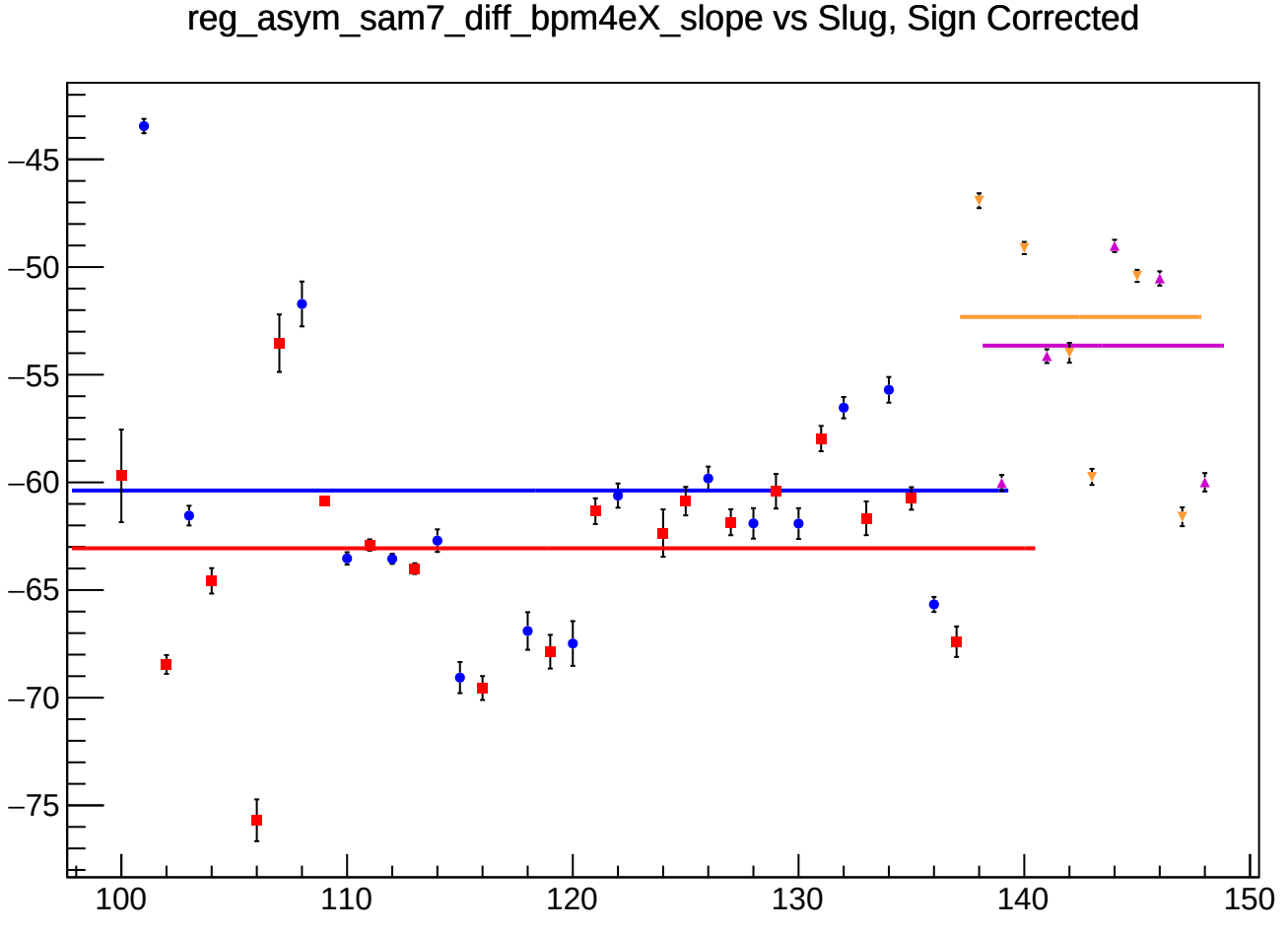
Left: 10.400+/-0.073 χ^2/NDF: 1955.0/10

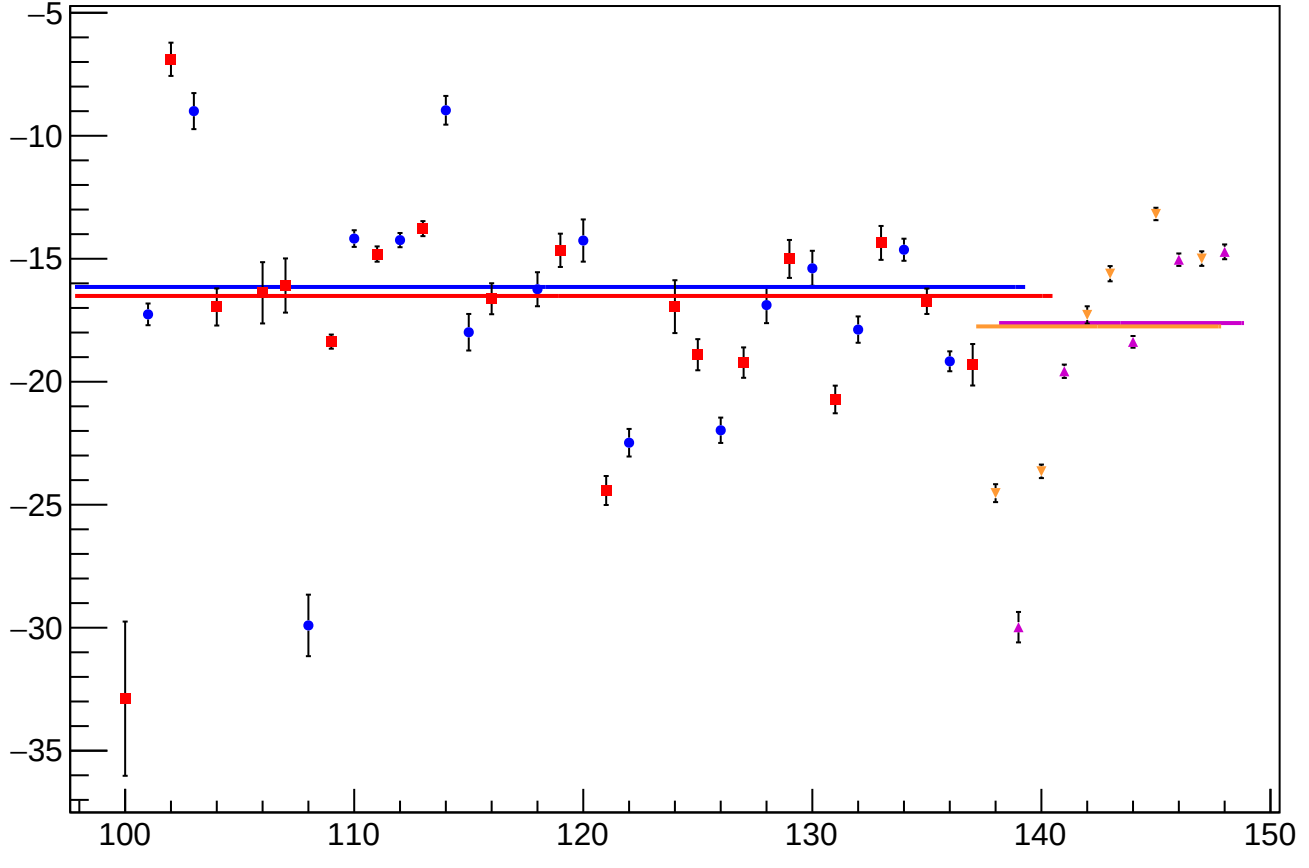
Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.162+/-0.077 χ^2/NDF:1150.4/20

Out: 10.762+/-0.075 χ^2/NDF:1601.6/24

All: 10.468+/-0.054 χ^2/NDF: 2783.1/45


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−45
−50
−55
−60
−65
−70
−75
100
110
120
130
140
150
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -52.316+/-0.141 χ²/NDF:1275.6/5
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -53.648+/-0.151 χ²/NDF:868.4/4
Left: -52.934+/-0.103 χ²/NDF: 2185.7/10
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -57.967+/-0.091 χ²/NDF:5735.9/20
Out: -59.109+/-0.085 χ²/NDF:5811.3/24
All: -58.572+/-0.062 χ²/NDF: 11631.5/45



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.751+/-0.123 χ^2/NDF:1268.6/5

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.614+/-0.129 χ^2/NDF:657.0/4

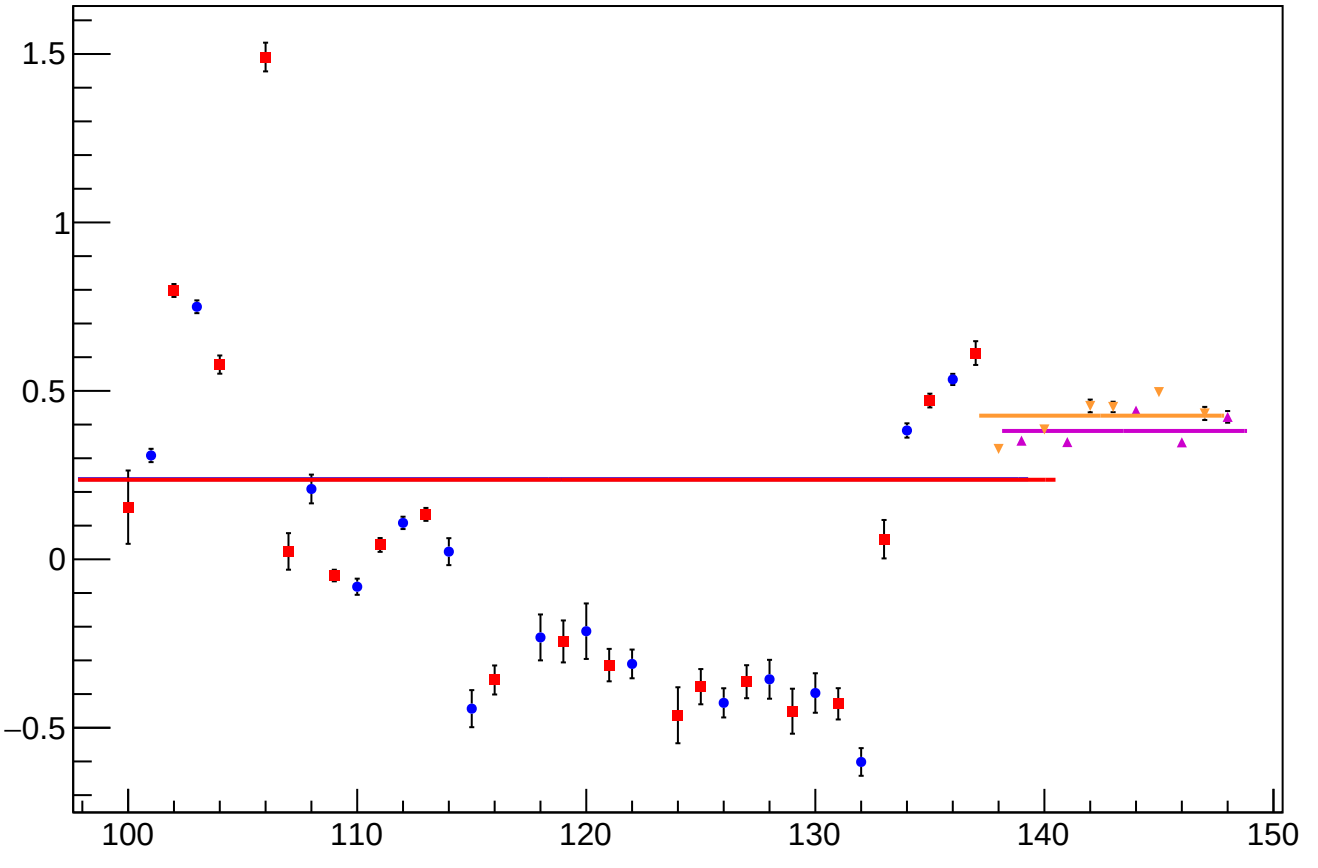
Left: -17.686+/-0.089 χ^2/NDF: 1926.2/10

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.871+/-0.090 χ^2/NDF:1519.7/20

Out: -17.141+/-0.087 χ^2/NDF:2003.4/24

All: -17.010+/-0.063 χ^2/NDF: 3527.7/45



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.426+/-0.006 χ^2/NDF:105.8/5

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.381+/-0.006 χ^2/NDF:45.0/4

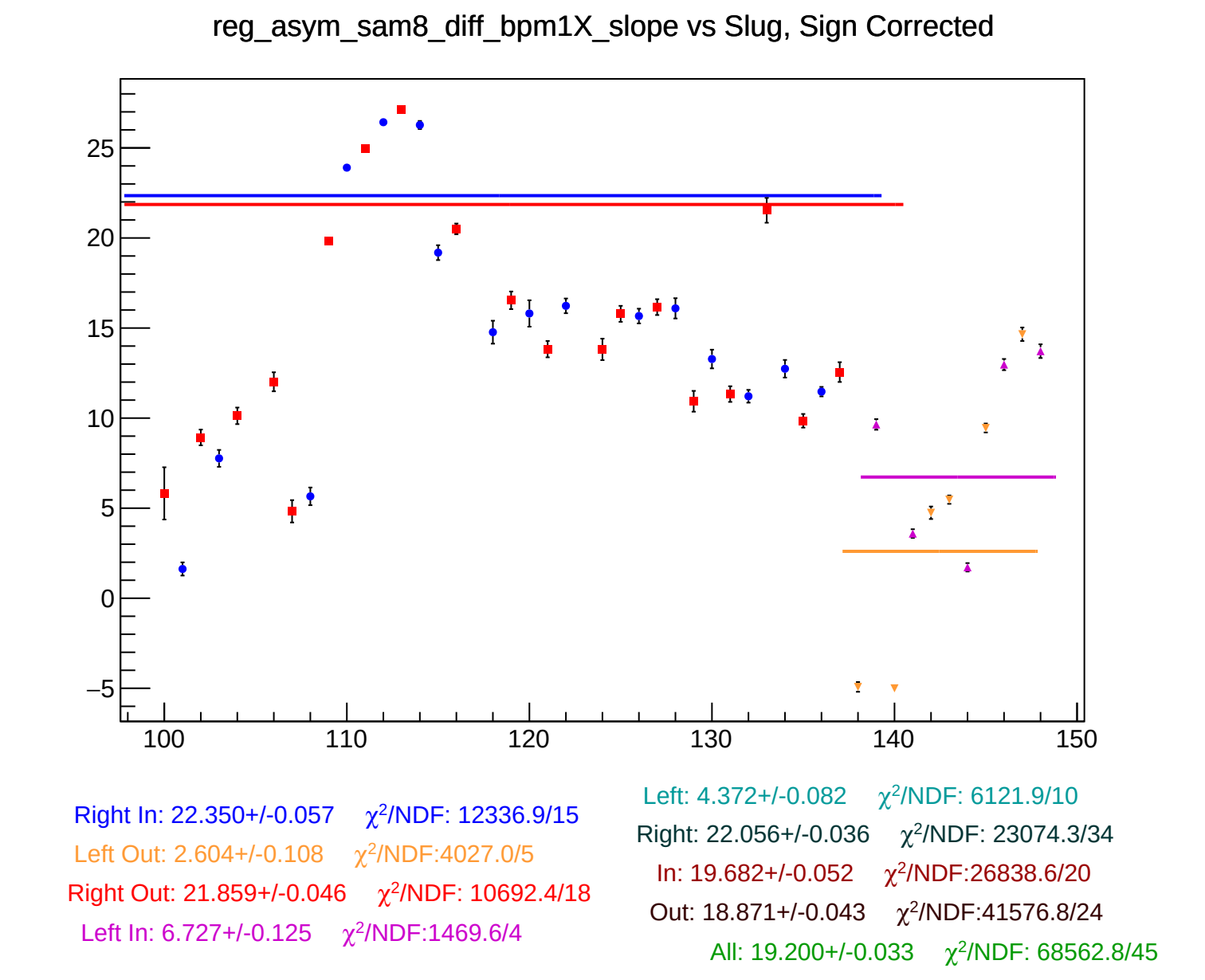
Left: 0.405+/-0.004 χ^2/NDF: 178.9/10

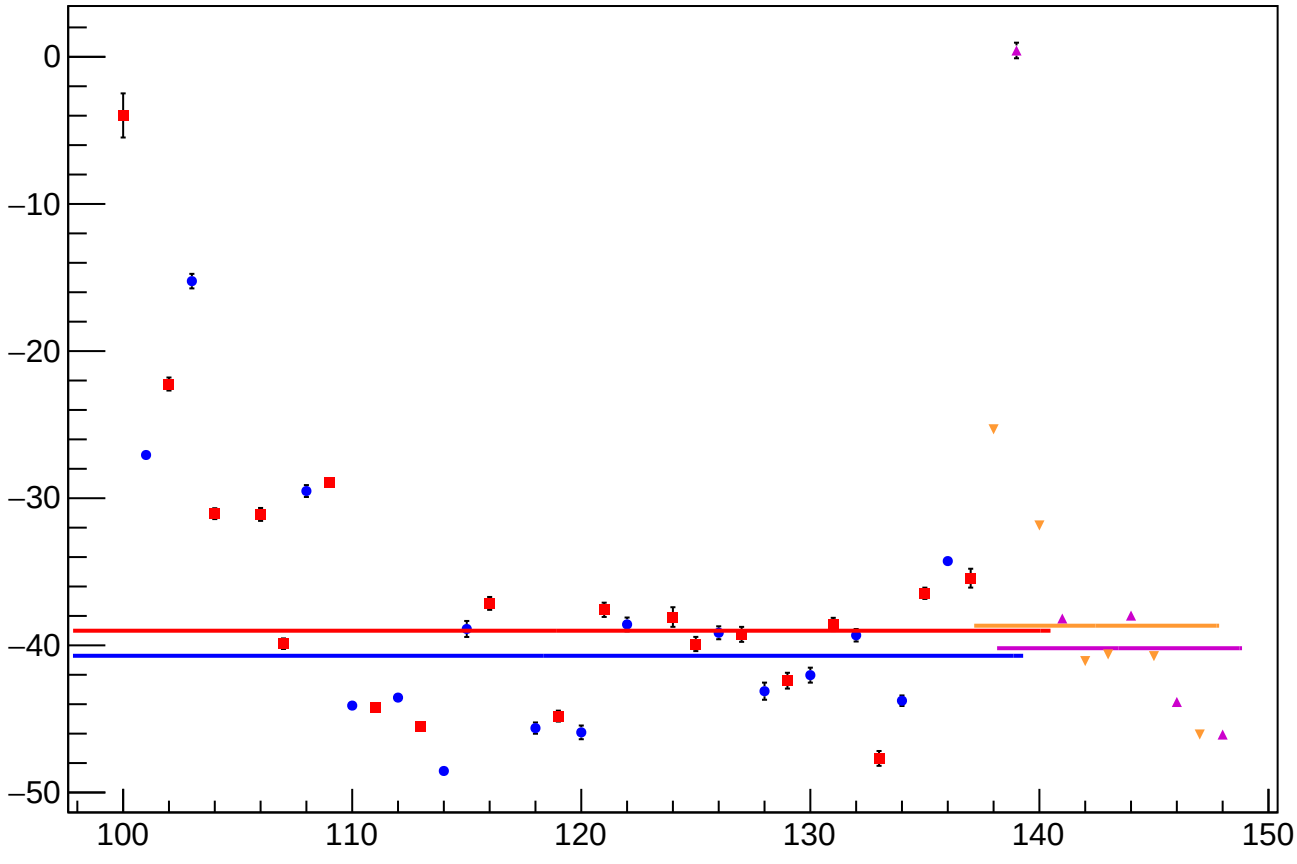
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.318+/-0.005 χ^2/NDF:2909.7/20

Out: 0.349+/-0.005 χ^2/NDF:4128.1/24

All: 0.334+/-0.003 χ^2/NDF: 7060.1/45


reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 22.350+/-0.057 χ²/NDF: 12336.9/15
Left Out: 2.604+/-0.108 χ²/NDF:4027.0/5
Right Out: 21.859+/-0.046 χ²/NDF: 10692.4/18
Left In: 6.727+/-0.125 χ²/NDF:1469.6/4
Left: 4.372+/-0.082 χ²/NDF: 6121.9/10
Right: 22.056+/-0.036 χ²/NDF: 23074.3/34
In: 19.682+/-0.052 χ²/NDF:26838.6/20
Out: 18.871+/-0.043 χ²/NDF:41576.8/24
All: 19.200+/-0.033 χ²/NDF: 68562.8/45



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.664+/-0.079 χ^2/NDF:6260.9/5

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.195+/-0.088 χ^2/NDF:7591.7/4

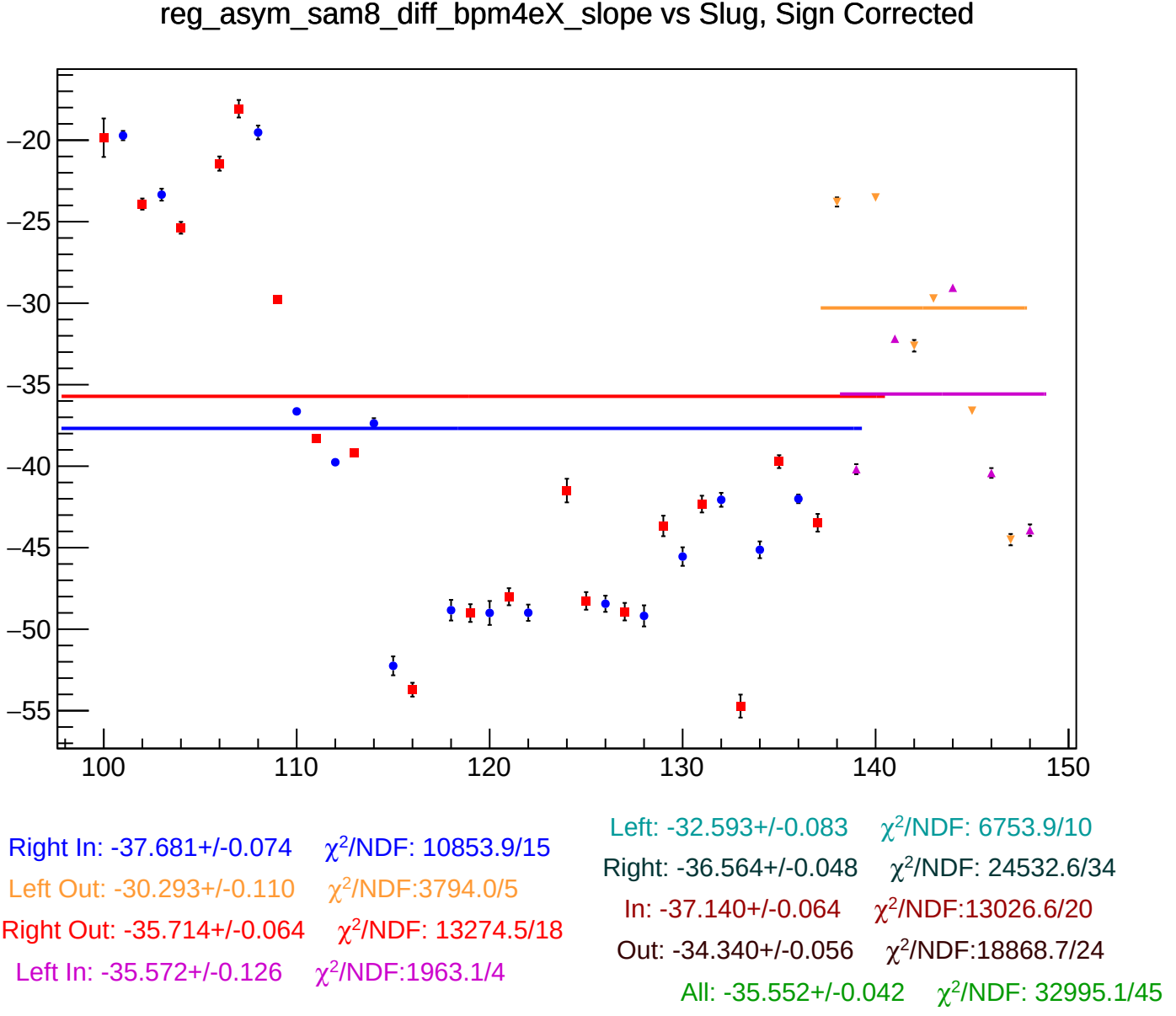
Left: -39.351+/-0.059 χ^2/NDF: 14019.7/10

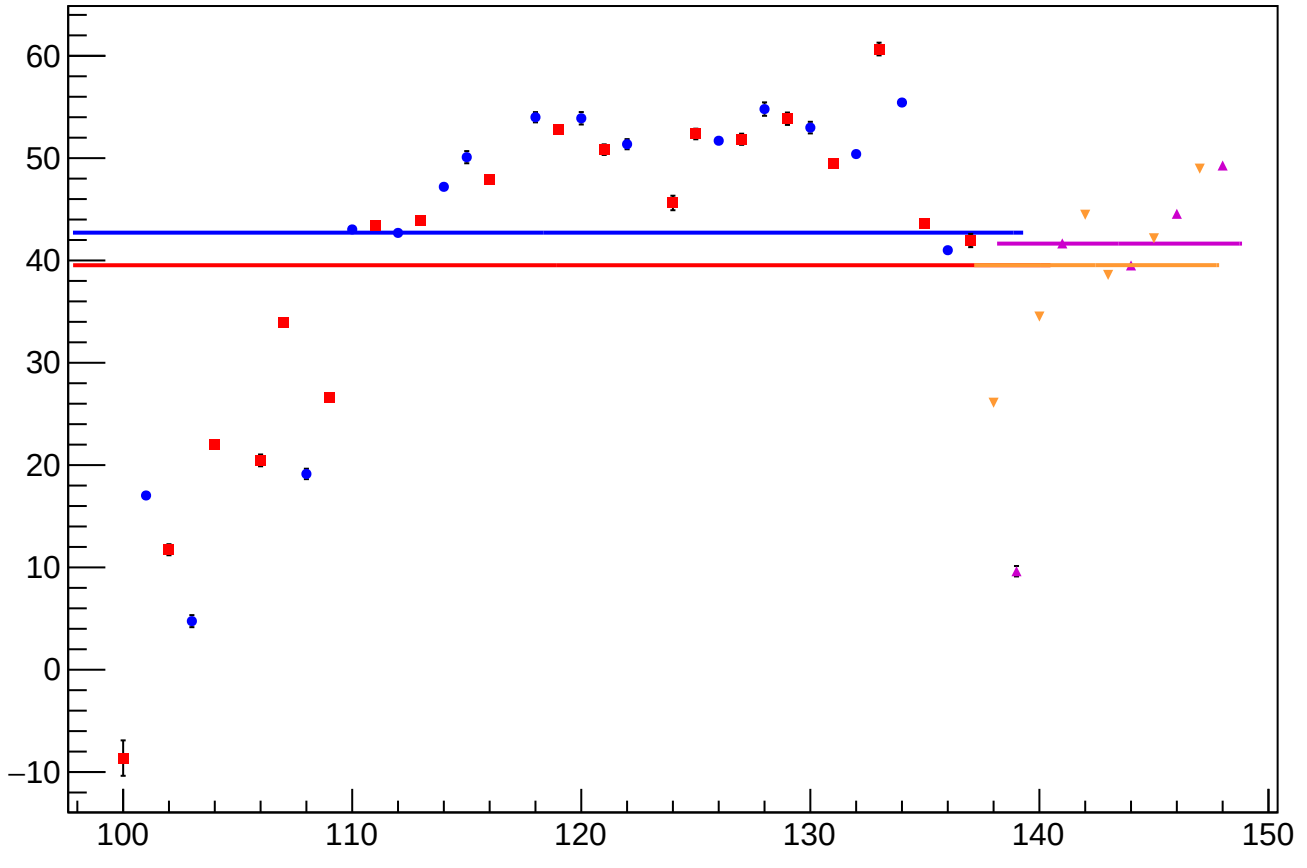
Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.487+/-0.058 χ^2/NDF:15391.5/20

Out: -38.853+/-0.053 χ^2/NDF:16372.5/24

All: -39.600+/-0.039 χ^2/NDF: 32199.6/45


reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
100
110
120
130
140
150
Right In: -37.681+/-0.074 χ²/NDF: 10853.9/15
Left Out: -30.293+/-0.110 χ²/NDF:3794.0/5
Right Out: -35.714+/-0.064 χ²/NDF: 13274.5/18
Left In: -35.572+/-0.126 χ²/NDF:1963.1/4
Left: -32.593+/-0.083 χ²/NDF: 6753.9/10
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.140+/-0.064 χ²/NDF:13026.6/20
Out: -34.340+/-0.056 χ²/NDF:18868.7/24
All: -35.552+/-0.042 χ²/NDF: 32995.1/45



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 39.541+/-0.096 χ^2/NDF:4616.4/5

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.647+/-0.108 χ^2/NDF:5152.6/4

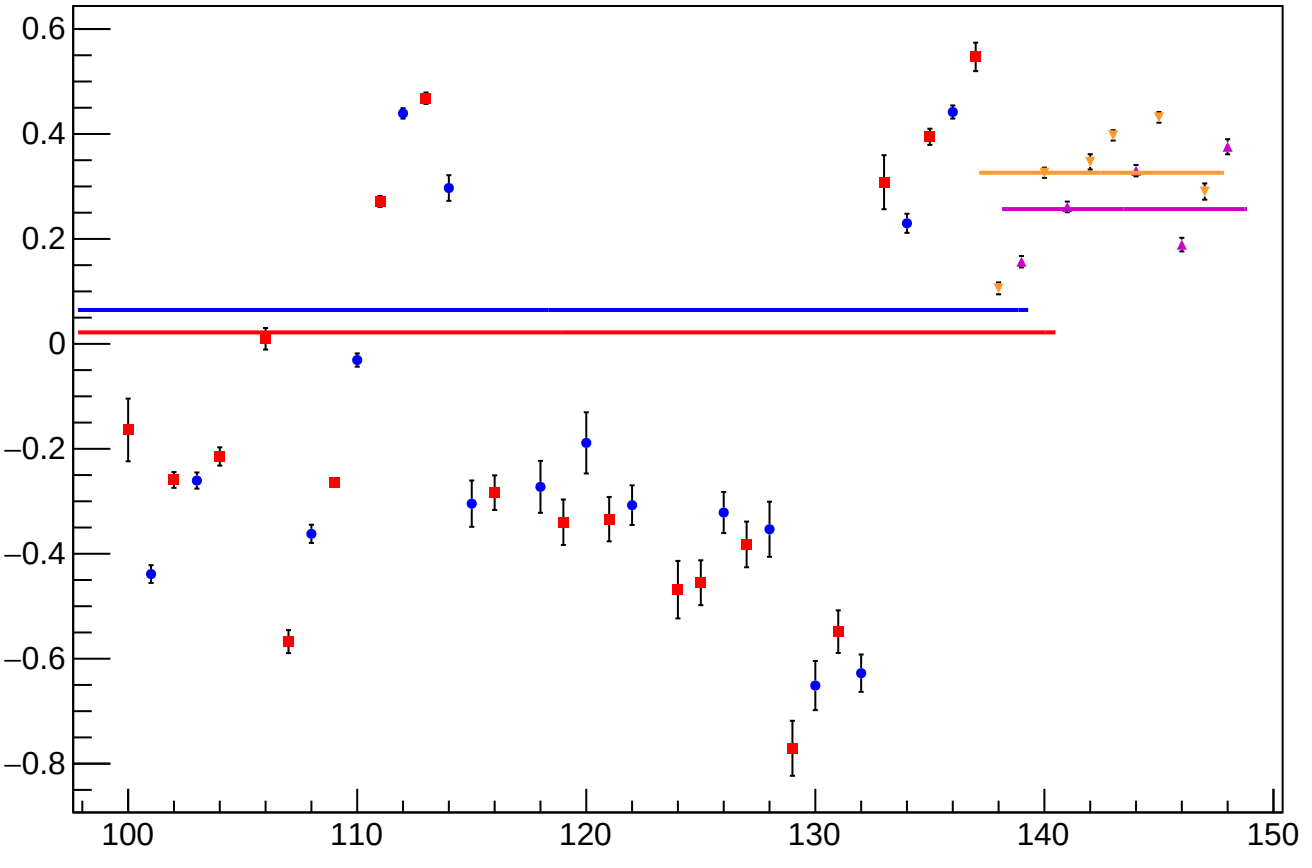
Left: 40.472+/-0.072 χ^2/NDF: 9981.4/10

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.307+/-0.067 χ^2/NDF:19978.4/20

Out: 39.536+/-0.061 χ^2/NDF:22594.6/24

All: 40.788+/-0.045 χ^2/NDF: 43516.5/45



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.326+/-0.005 χ^2/NDF:543.2/5

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.257+/-0.005 χ^2/NDF:225.6/4

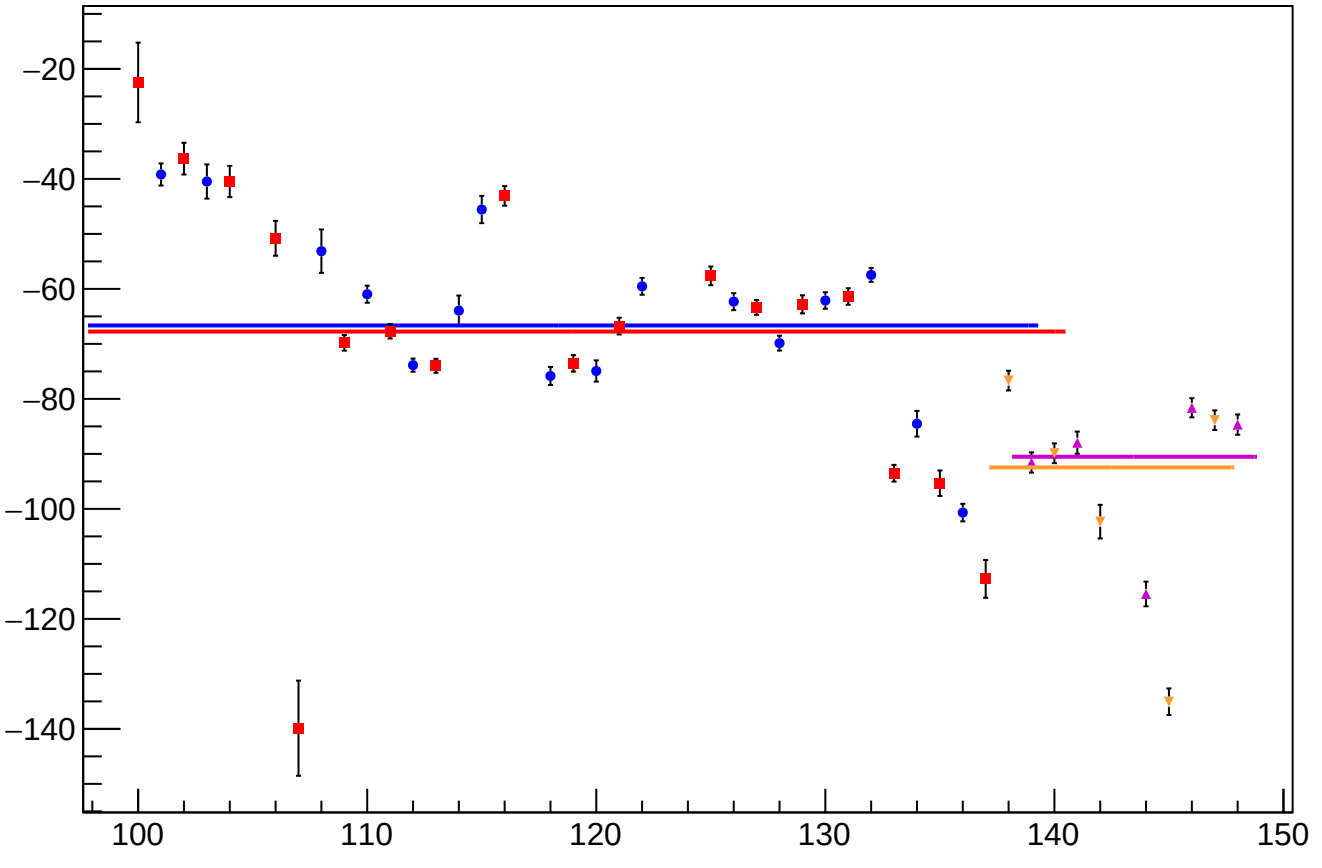
Left: 0.295+/-0.003 χ^2/NDF: 868.8/10

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.155+/-0.004 χ^2/NDF:6461.9/20

Out: 0.166+/-0.003 χ^2/NDF:9231.4/24

All: 0.161+/-0.002 χ^2/NDF: 15699.2/45



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -92.454+/-0.908 χ^2/NDF:425.2/4

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -90.524+/-0.857 χ^2/NDF:161.7/4

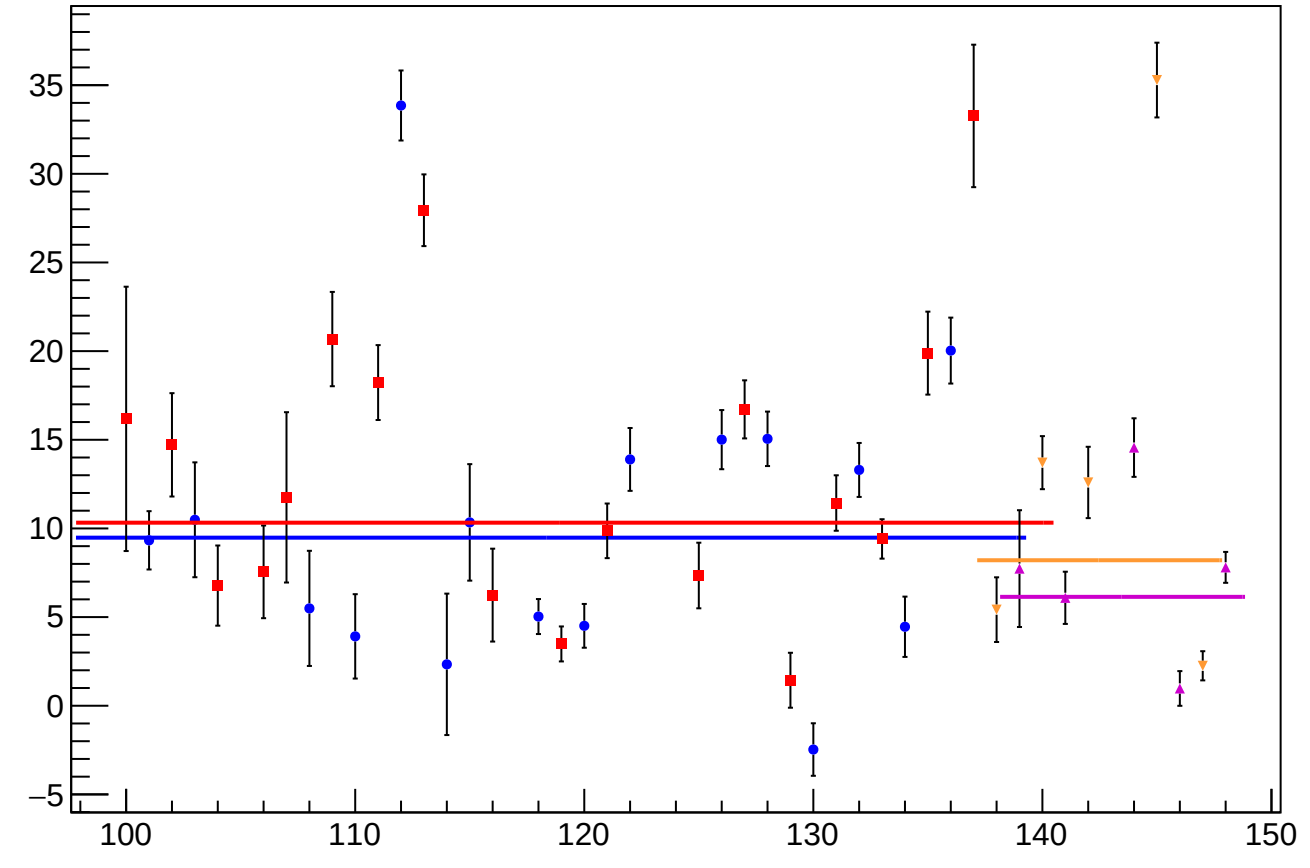
Left: -91.433+/-0.623 χ^2/NDF: 589.2/9

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -71.382+/-0.382 χ^2/NDF:1836.6/20

Out: -72.097+/-0.381 χ^2/NDF:2290.0/22

All: -71.740+/-0.270 χ^2/NDF: 4128.4/43



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 8.206+/-0.609 χ^2/NDF:238.0/4

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 6.142+/-0.552 χ^2/NDF:57.7/4

Left: 7.073+/-0.409 χ^2/NDF: 302.1/9

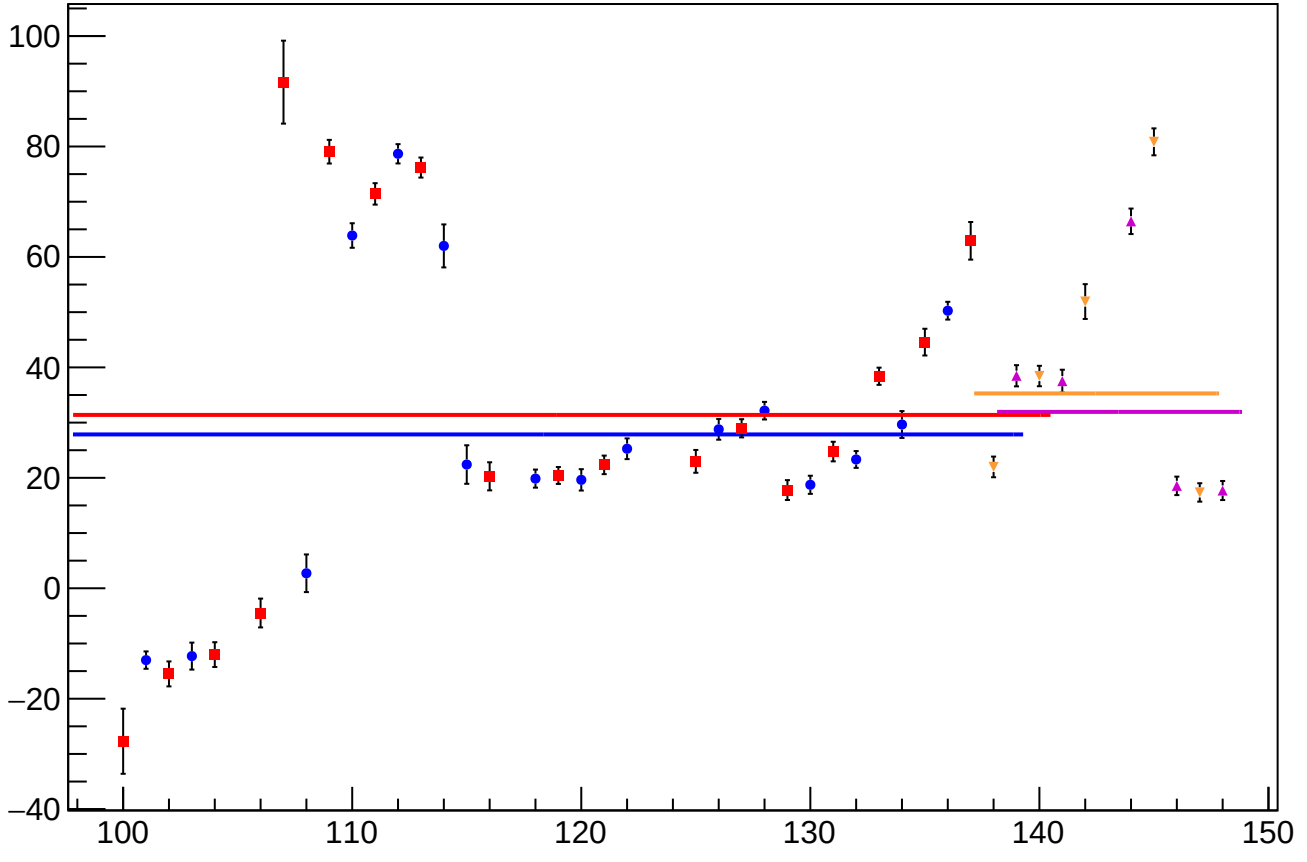
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 8.226+/-0.338 χ^2/NDF:422.5/20

Out: 9.607+/-0.354 χ^2/NDF:509.4/22

All: 8.885+/-0.245 χ^2/NDF: 939.9/43

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 35.285+/-0.910 χ^2/NDF:545.6/4

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 31.942+/-0.849 χ^2/NDF:374.4/4

Left: 33.498+/-0.621 χ^2/NDF: 927.2/9

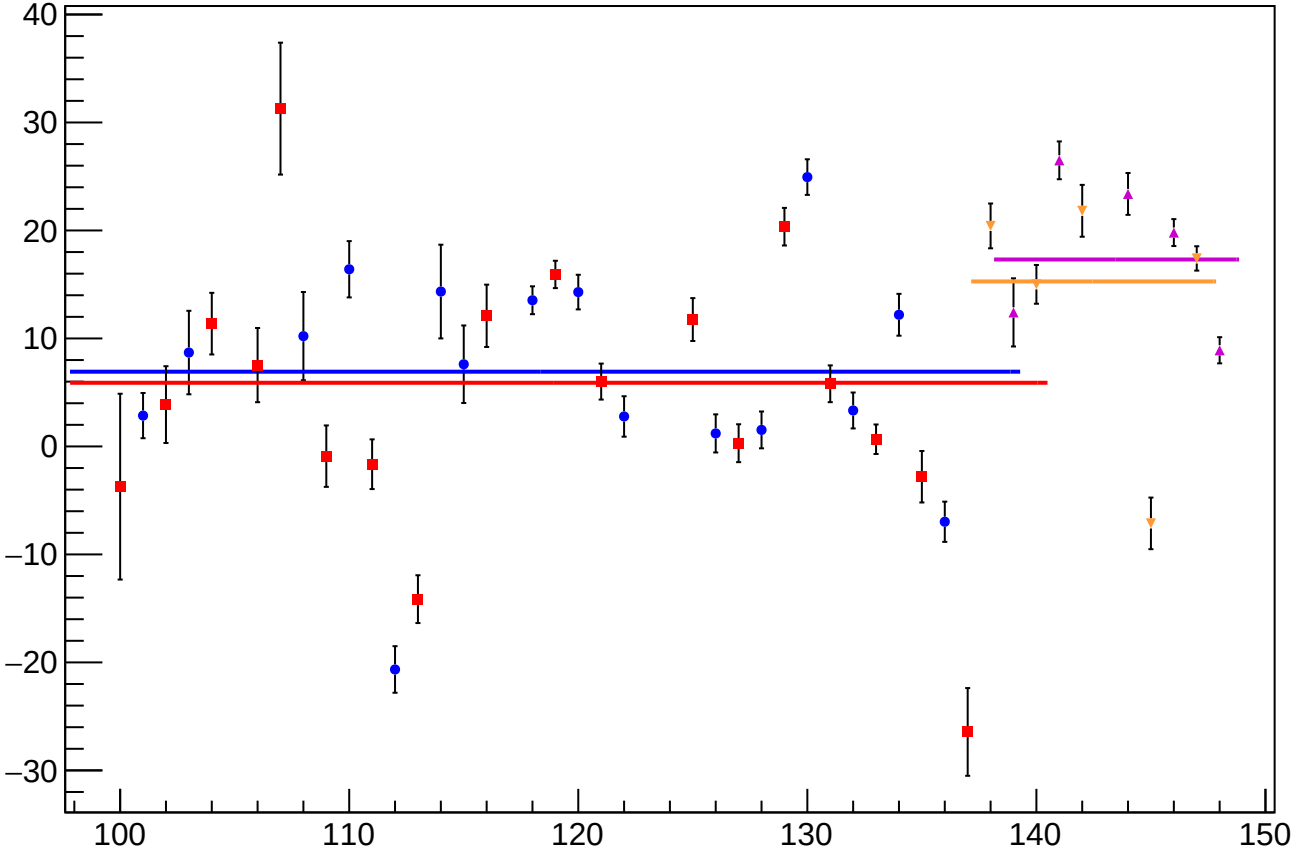
Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 28.855+/-0.419 χ^2/NDF:2865.8/20

Out: 32.261+/-0.430 χ^2/NDF:3571.2/22

All: 30.517+/-0.300 χ^2/NDF: 6469.2/43

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.279+/-0.772 χ^2/NDF:105.1/4

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 17.311+/-0.704 χ^2/NDF:91.8/4

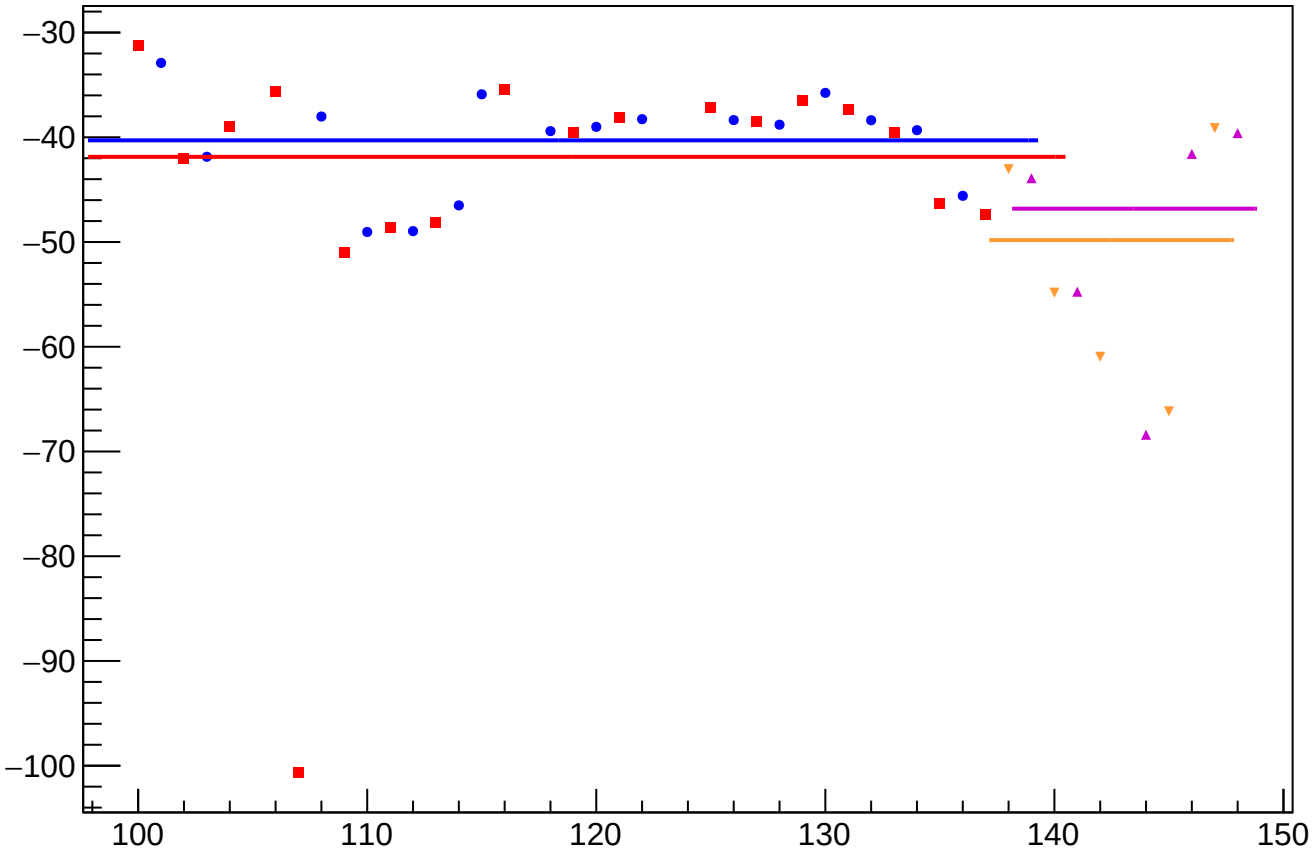
Left: 16.388+/-0.520 χ^2/NDF: 200.7/9

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 10.363+/-0.405 χ^2/NDF:681.8/20

Out: 8.683+/-0.421 χ^2/NDF:576.6/22

All: 9.554+/-0.292 χ^2/NDF: 1266.6/43



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -49.813+/-0.038 χ^2/NDF:69085.3/4

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -46.818+/-0.034 χ^2/NDF:69823.9/4

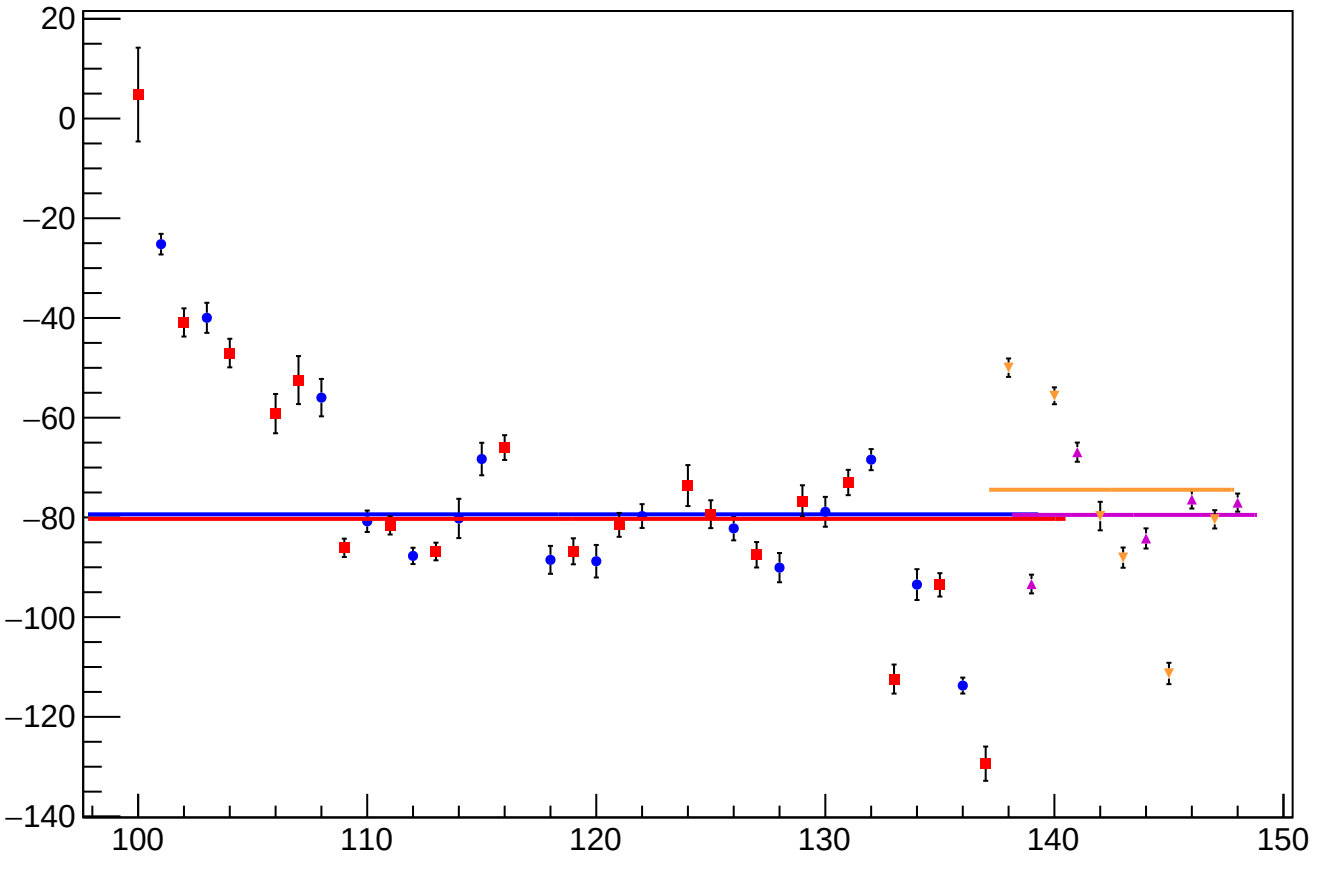
Left: -48.150+/-0.026 χ^2/NDF: 142286.0/9

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -43.261+/-0.023 χ^2/NDF:110132.4/20

Out: -45.136+/-0.025 χ^2/NDF:153018.8/22

All: -44.142+/-0.017 χ^2/NDF: 266221.9/43



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.451+/-0.810 χ^2/NDF:655.2/5

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -79.494+/-0.844 χ^2/NDF:107.4/4

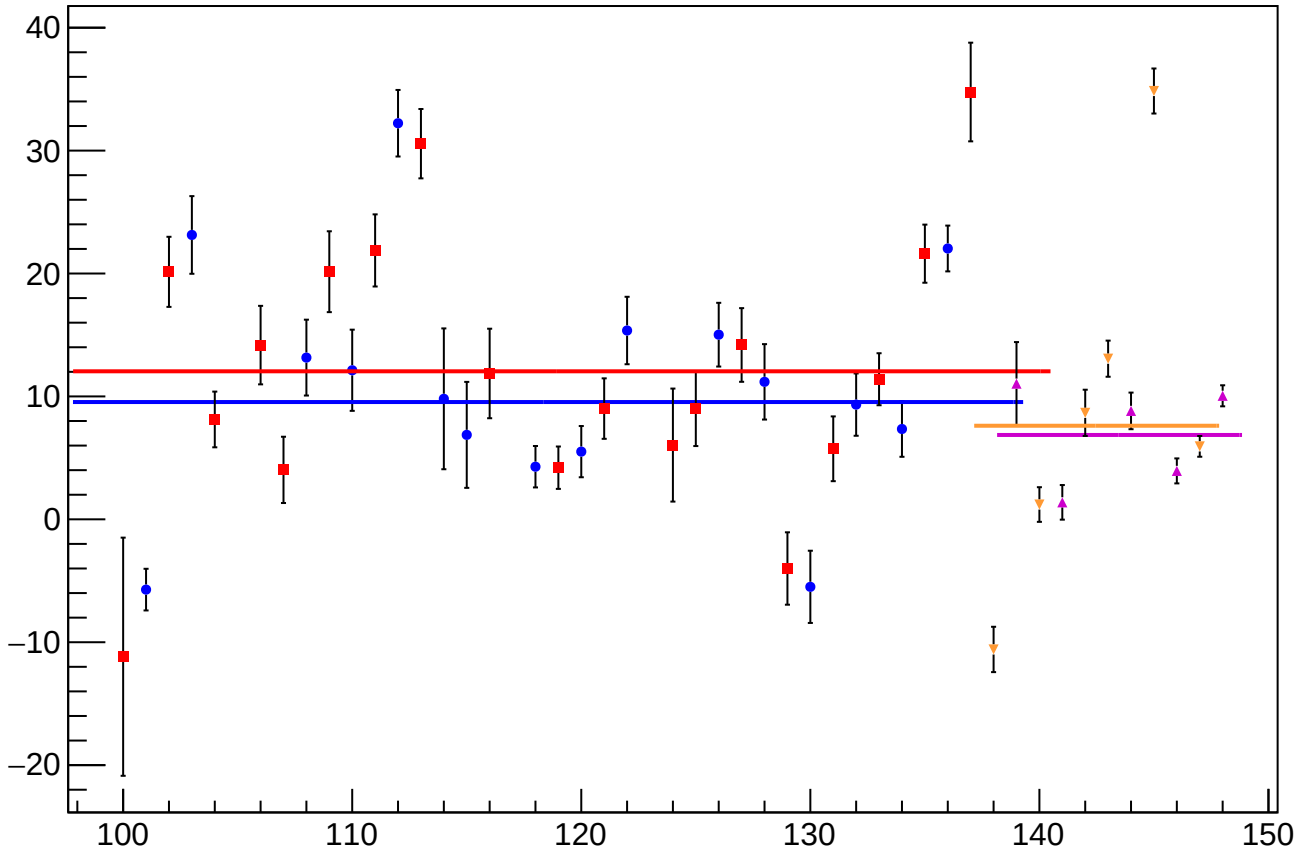
Left: -76.870+/-0.584 χ^2/NDF: 781.2/10

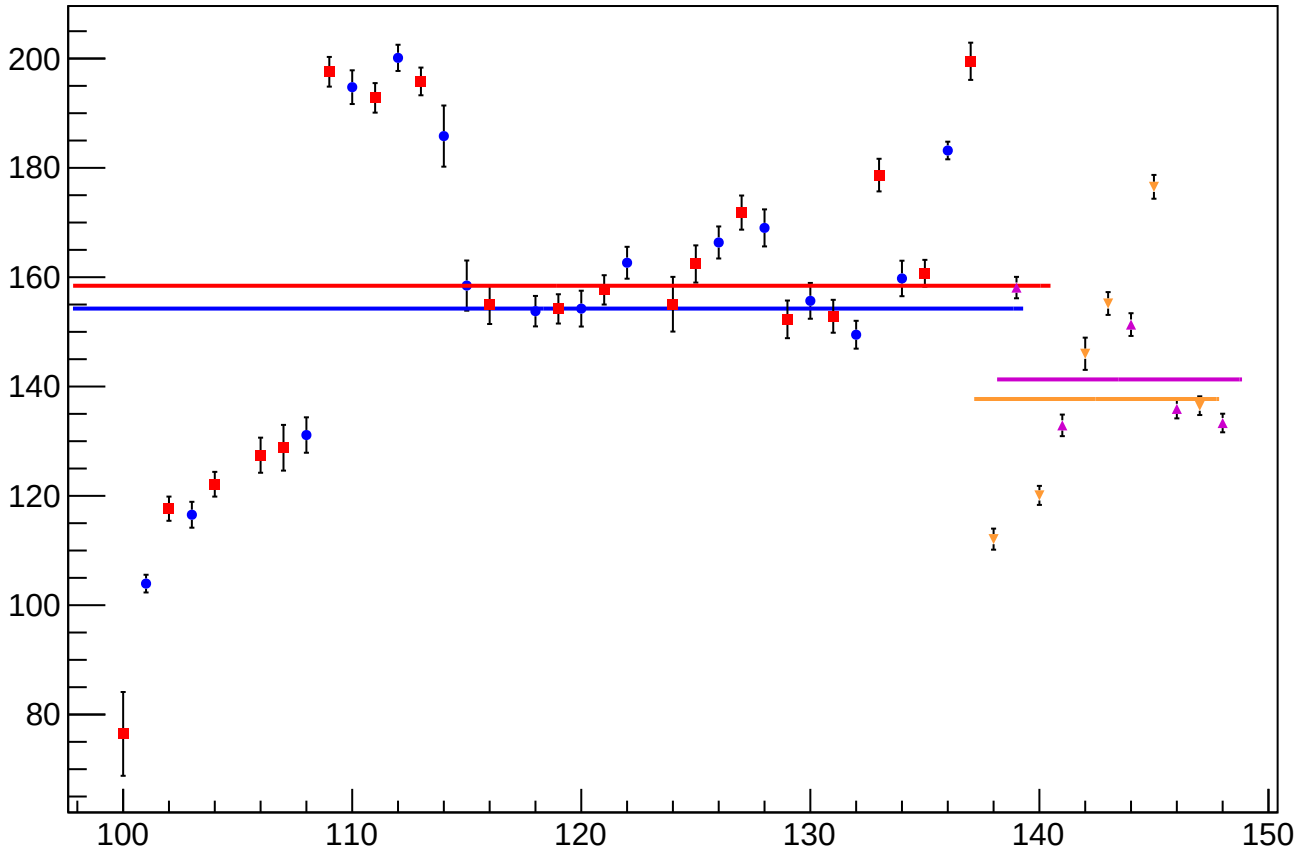
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.421+/-0.495 χ^2/NDF:1583.3/20

Out: -78.207+/-0.484 χ^2/NDF:1603.3/24

All: -78.801+/-0.346 χ^2/NDF: 3189.7/45


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 7.614+/-0.555 χ²/NDF:357.1/5
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 6.863+/-0.544 χ²/NDF:40.5/4
Left: 7.232+/-0.389 χ²/NDF: 398.6/10
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 8.027+/-0.409 χ²/NDF:318.1/20
Out: 9.526+/-0.418 χ²/NDF:580.4/24
All: 8.760+/-0.293 χ²/NDF: 905.1/45



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 137.720+/-0.817 χ^2/NDF:675.8/5

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 141.299+/-0.838 χ^2/NDF:146.6/4

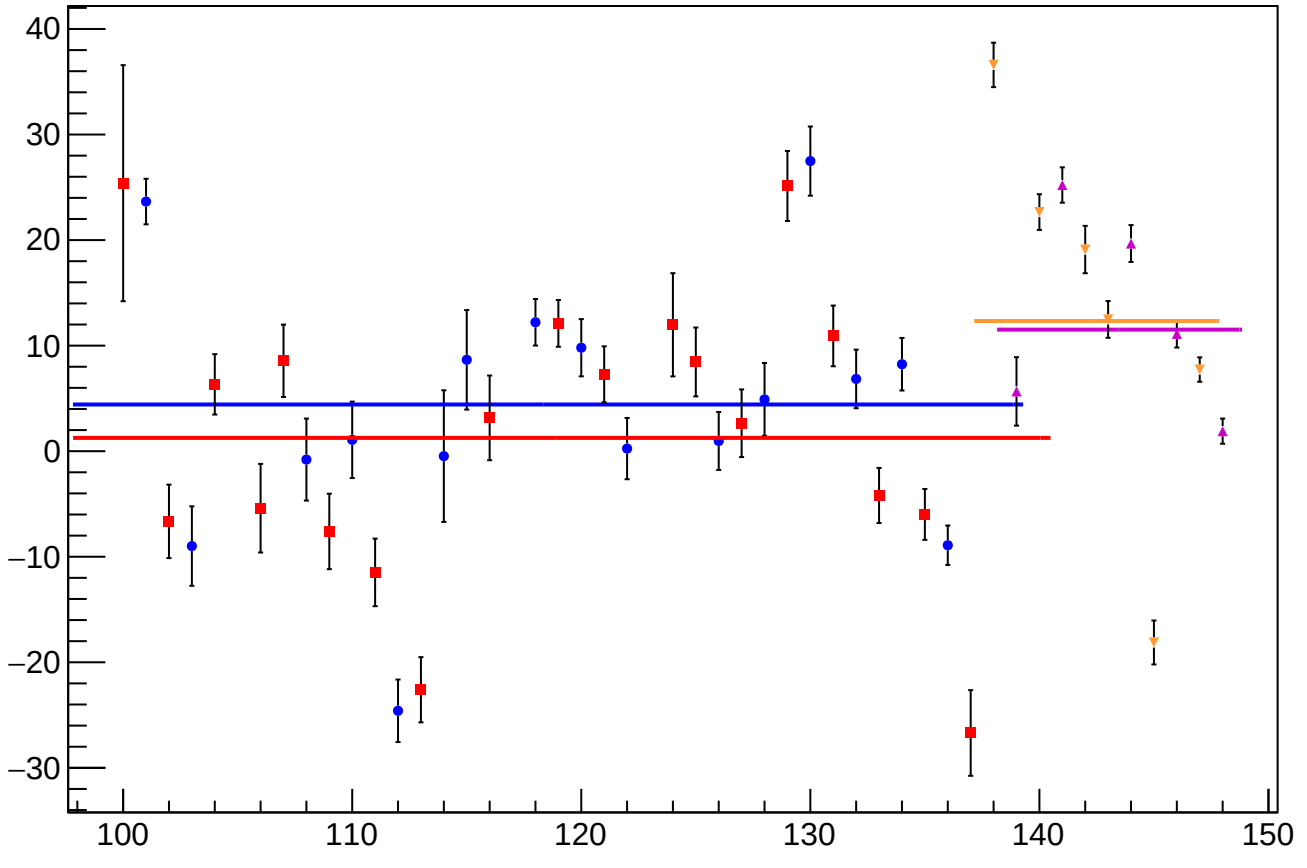
Left: 139.465+/-0.585 χ^2/NDF: 831.8/10

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 149.279+/-0.519 χ^2/NDF:2507.7/20

Out: 149.923+/-0.524 χ^2/NDF:2718.5/24

All: 149.598+/-0.369 χ^2/NDF: 5226.9/45



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 12.334+/-0.693 χ^2/NDF:408.7/5

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 11.516+/-0.693 χ^2/NDF:157.3/4

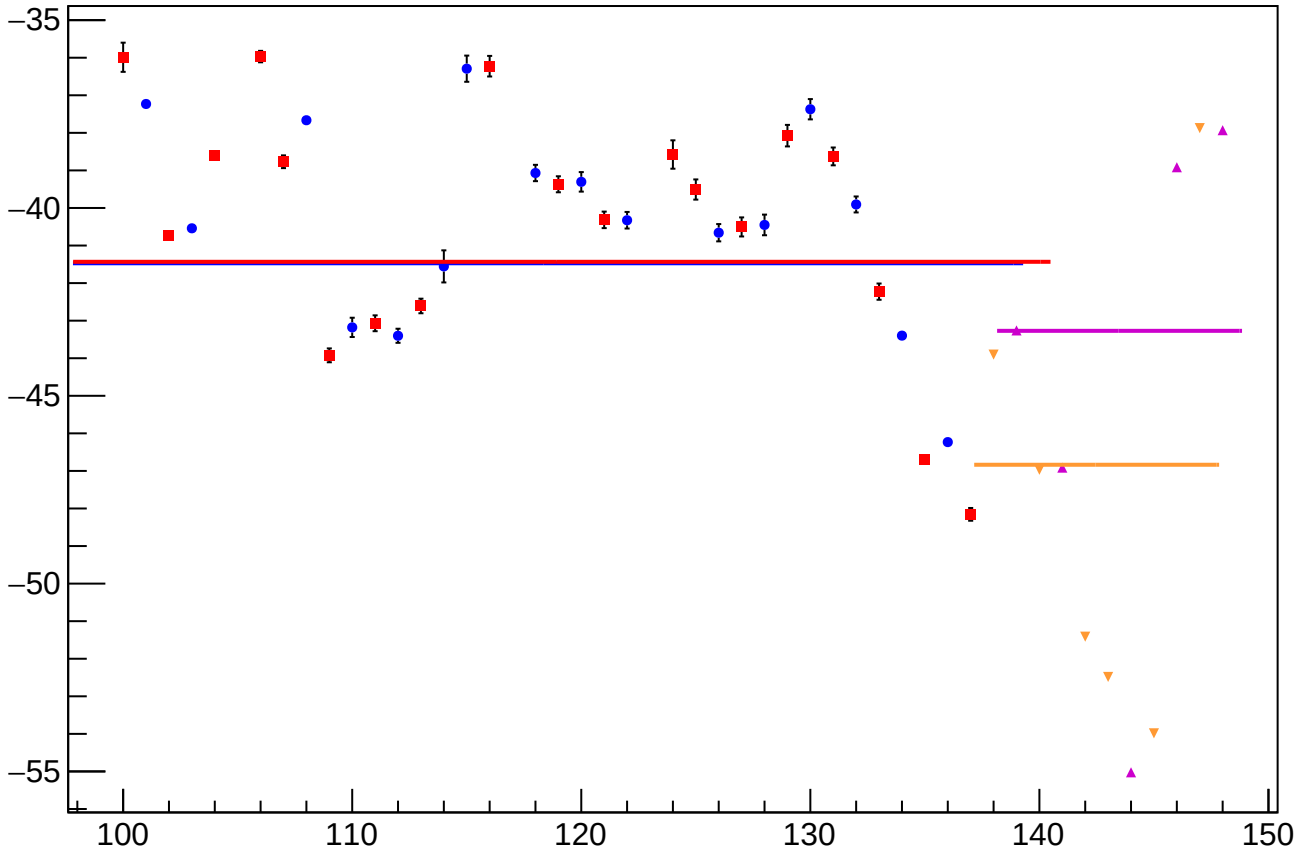
Left: 11.925+/-0.490 χ^2/NDF: 566.7/10

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 8.073+/-0.497 χ^2/NDF:524.1/20

Out: 7.096+/-0.503 χ^2/NDF:794.4/24

All: 7.590+/-0.354 χ^2/NDF: 1320.4/45



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -46.836+/-0.034 χ^2/NDF:27913.5/5

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -43.271+/-0.034 χ^2/NDF:27379.6/4

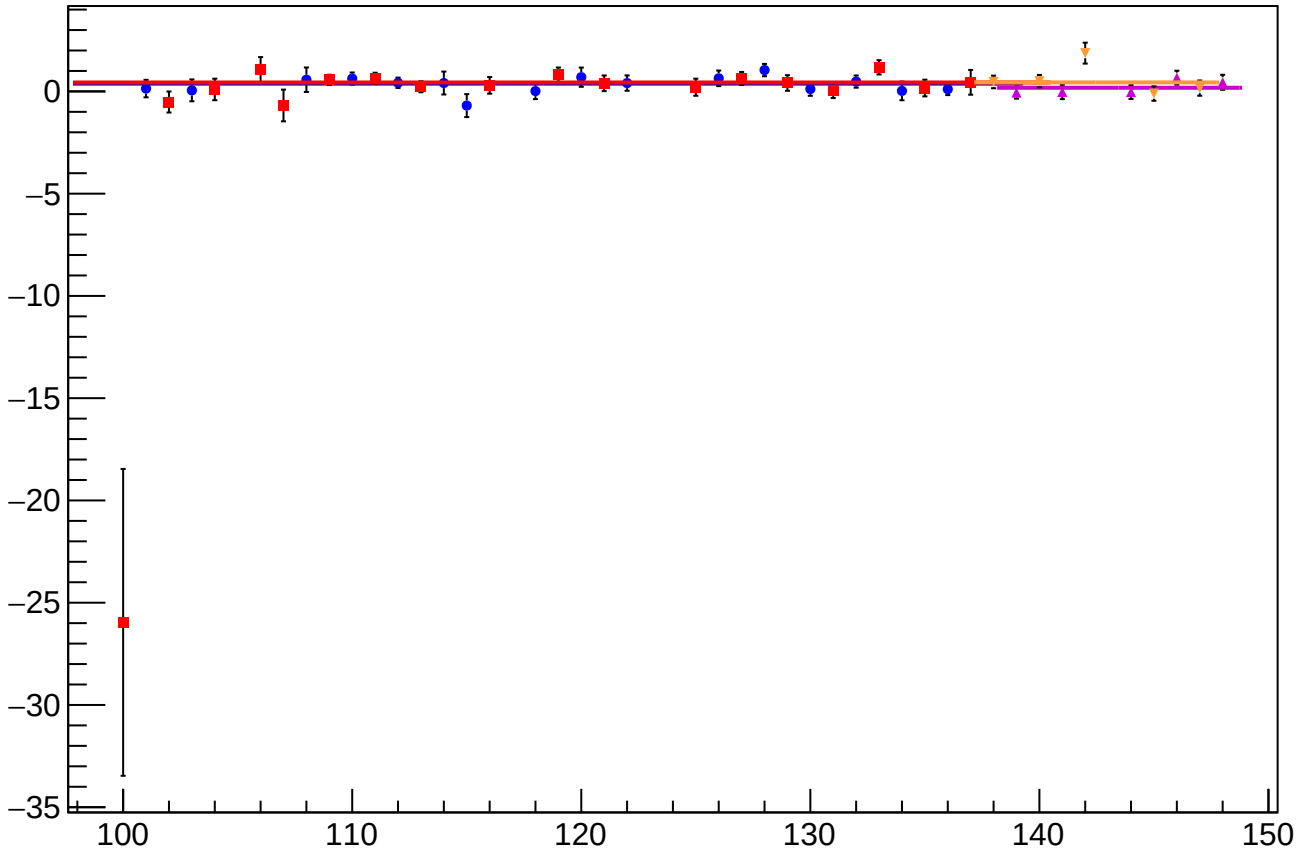
Left: -45.032+/-0.024 χ^2/NDF: 60718.3/10

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -42.473+/-0.025 χ^2/NDF:36531.4/20

Out: -44.504+/-0.026 χ^2/NDF:46768.3/24

All: -43.466+/-0.018 χ^2/NDF: 86431.4/45



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.440+/-0.157 χ^2/NDF:10.8/4

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.178+/-0.151 χ^2/NDF:3.9/4

Left: 0.303+/-0.109 χ^2/NDF: 16.2/9

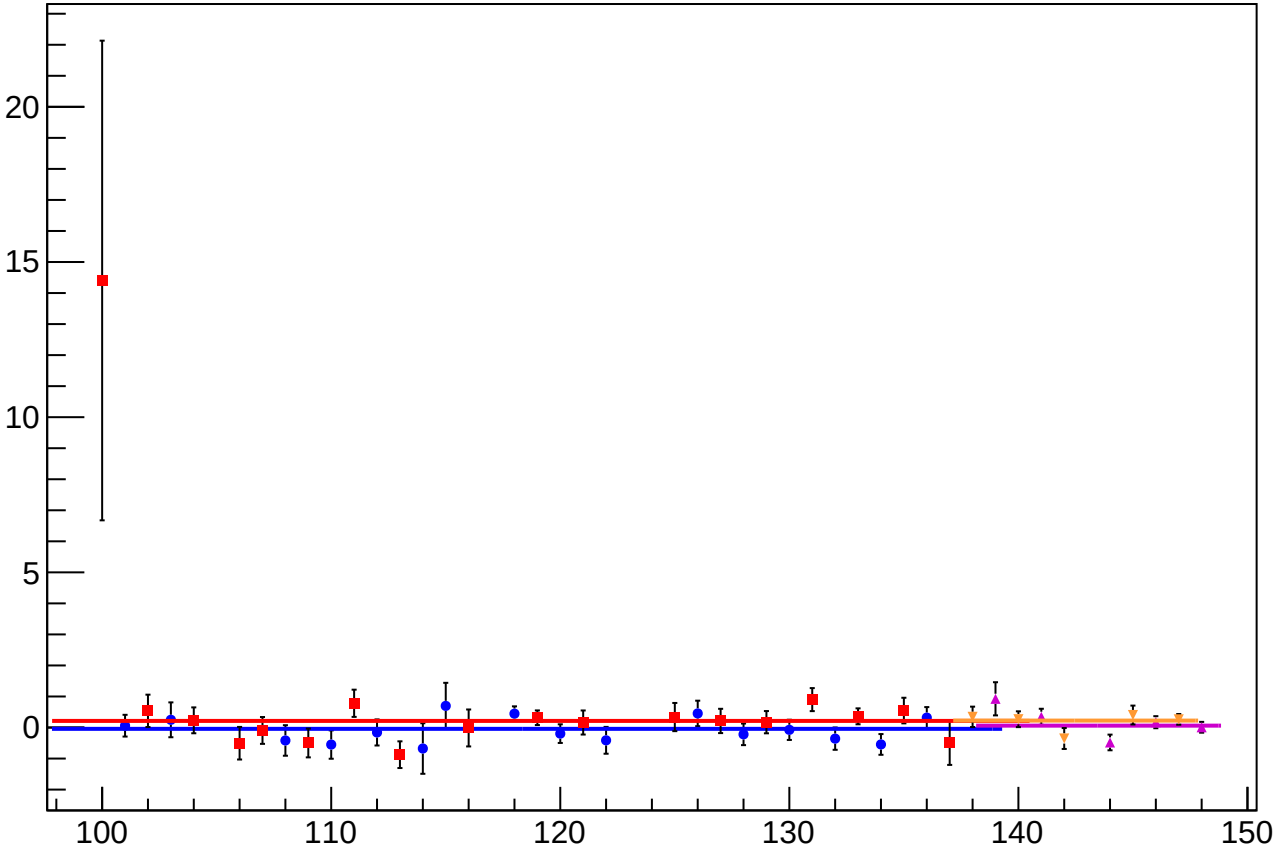
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.327+/-0.079 χ^2/NDF:19.3/20

Out: 0.437+/-0.078 χ^2/NDF:39.8/22

All: 0.382+/-0.055 χ^2/NDF: 60.1/43

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.224+/-0.113 χ^2/NDF:3.5/4

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.061+/-0.103 χ^2/NDF:8.9/4

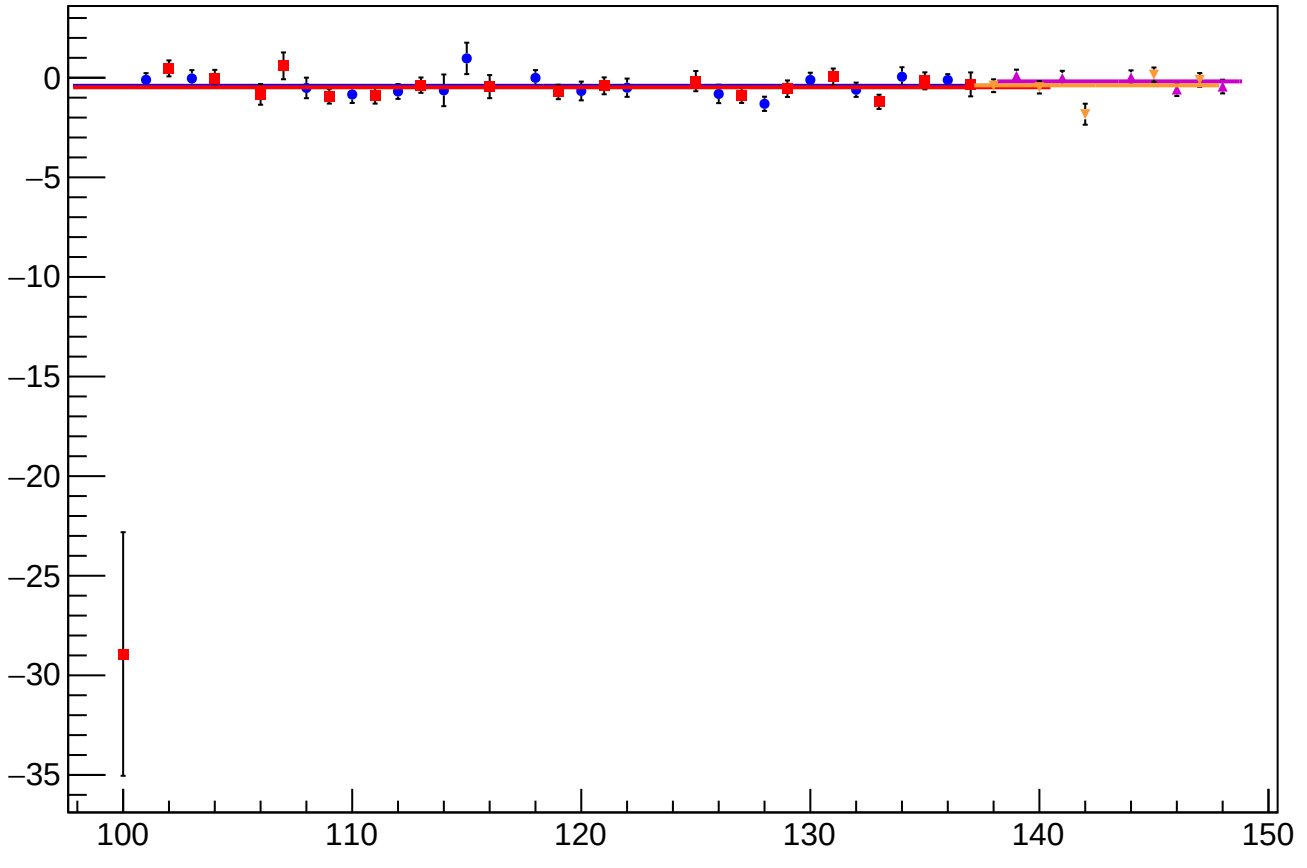
Left: 0.135+/-0.076 χ^2/NDF: 13.5/9

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.004+/-0.070 χ^2/NDF:24.4/20

Out: 0.217+/-0.073 χ^2/NDF:25.9/22

All: 0.106+/-0.050 χ^2/NDF: 54.8/43



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.382+/-0.159 χ^2/NDF:10.5/4

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.184+/-0.151 χ^2/NDF:3.5/4

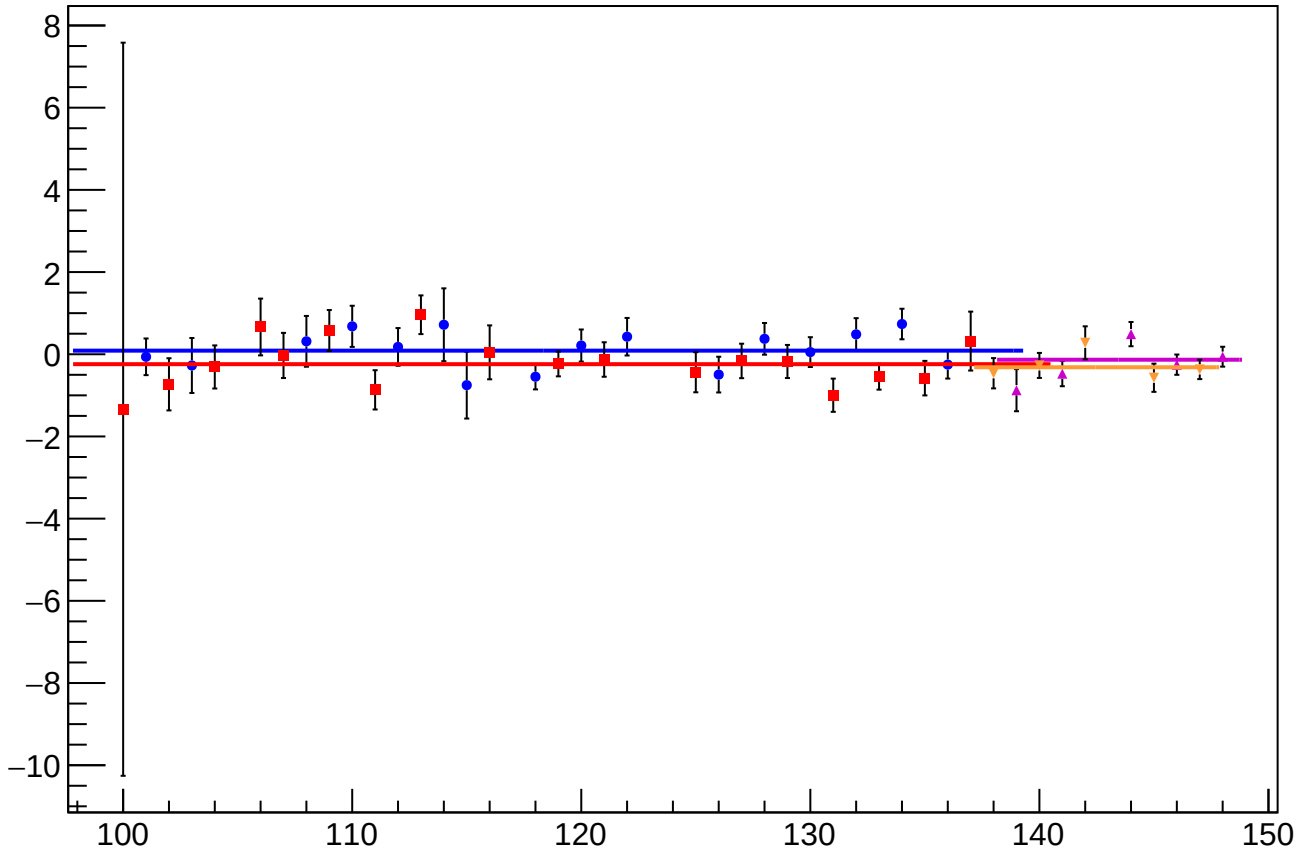
Left: -0.277+/-0.109 χ^2/NDF: 14.8/9

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.335+/-0.085 χ^2/NDF:22.7/20

Out: -0.449+/-0.087 χ^2/NDF:53.0/22

All: -0.391+/-0.061 χ^2/NDF: 76.6/43



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.316+/-0.140 χ^2/NDF:3.0/4

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.133+/-0.130 χ^2/NDF:8.1/4

Left: -0.217+/-0.095 χ^2/NDF: 12.0/9

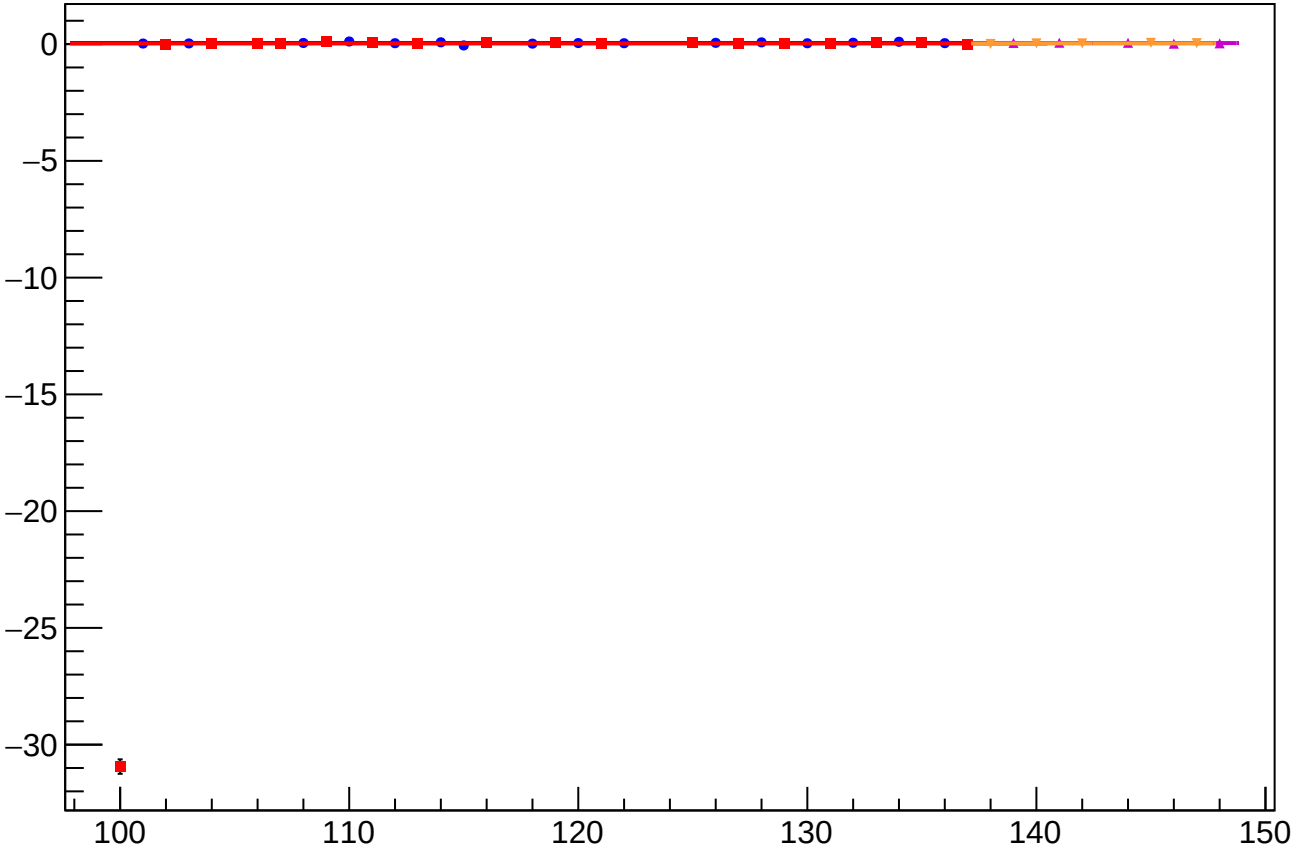
Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.003+/-0.083 χ^2/NDF:25.7/20

Out: -0.270+/-0.086 χ^2/NDF:22.8/22

All: -0.131+/-0.060 χ^2/NDF: 53.4/43

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.031+/-0.007 χ^2/NDF:6.6/4

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.045+/-0.006 χ^2/NDF:6.2/4

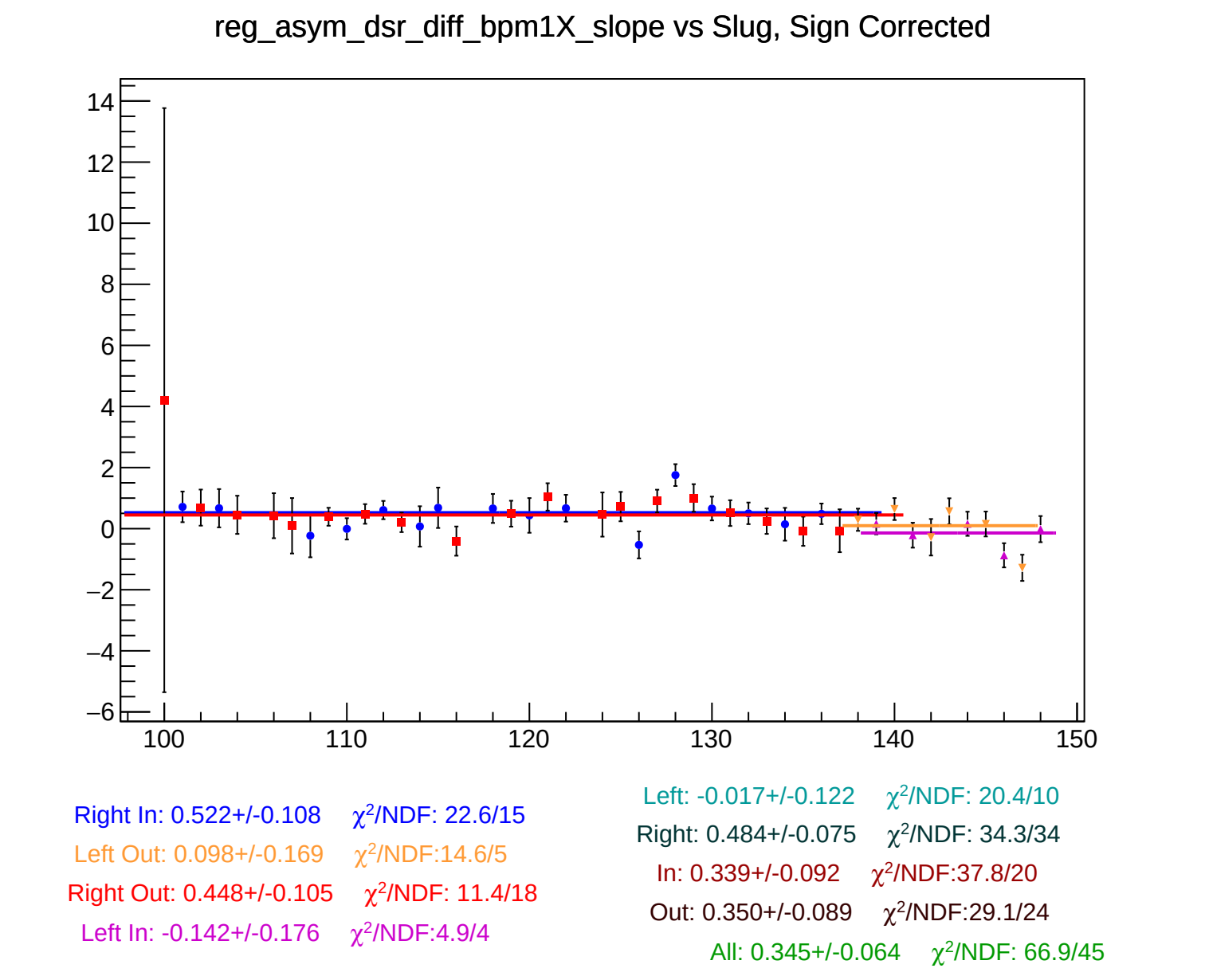
Left: 0.038+/-0.004 χ^2/NDF: 15.4/9

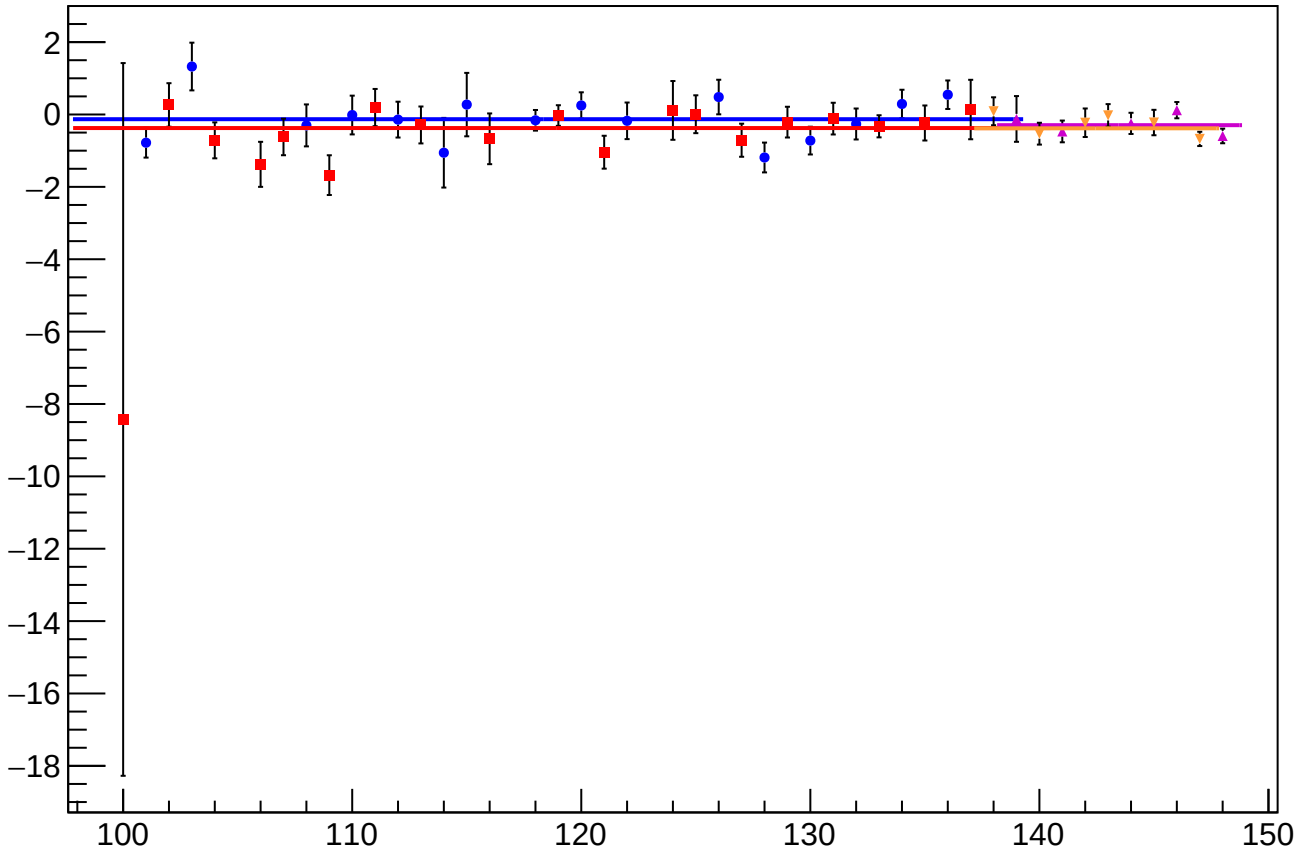
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

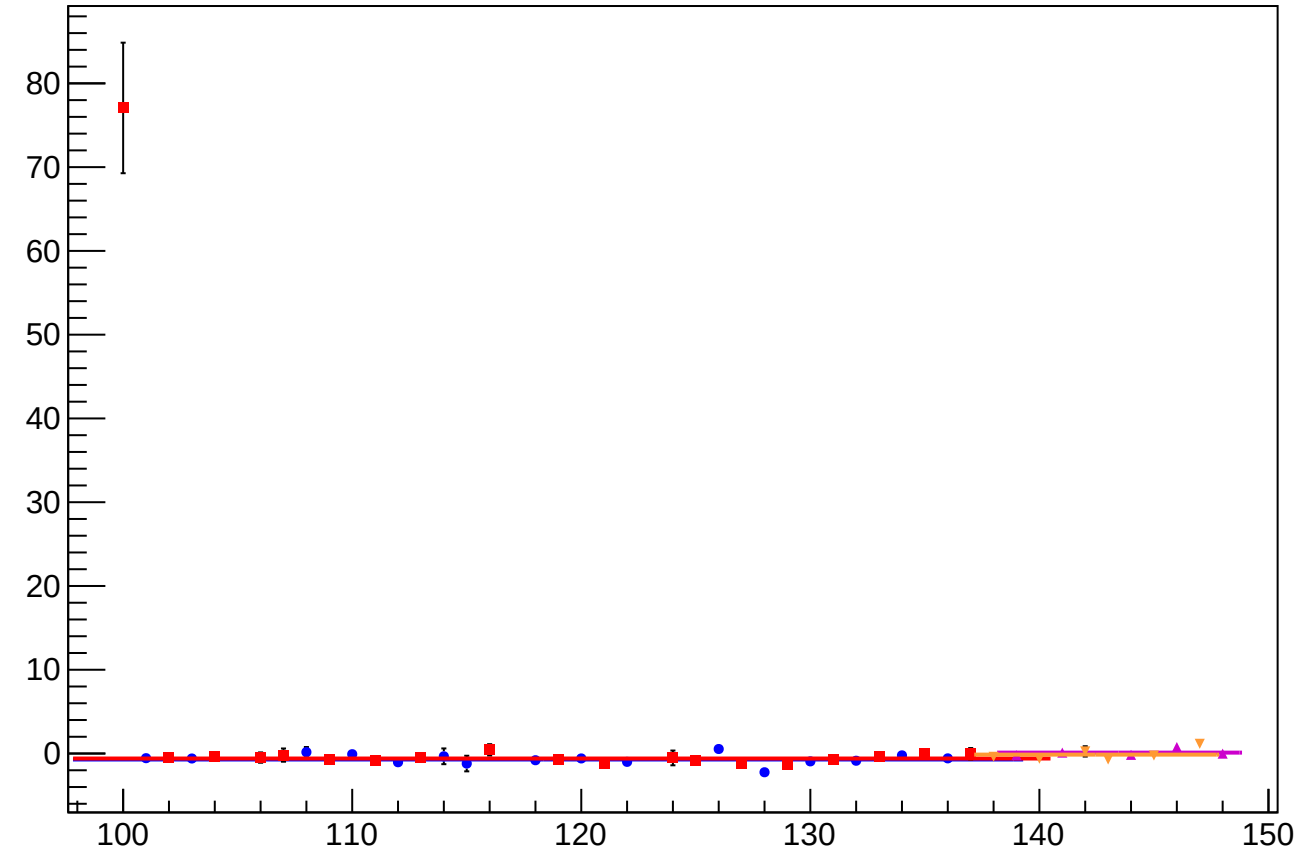
In: 0.047+/-0.004 χ^2/NDF:25.6/20

Out: 0.029+/-0.005 χ^2/NDF:10027.6/22

All: 0.038+/-0.003 χ^2/NDF: 10060.9/43


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: 0.098+/-0.169 χ²/NDF:14.6/5
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.142+/-0.176 χ²/NDF:4.9/4
Left: -0.017+/-0.122 χ²/NDF: 20.4/10
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.339+/-0.092 χ²/NDF:37.8/20
Out: 0.350+/-0.089 χ²/NDF:29.1/24
All: 0.345+/-0.064 χ²/NDF: 66.9/45


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
Right In: -0.130+/-0.112 χ²/NDF: 24.6/15
Left Out: -0.382+/-0.121 χ²/NDF:5.6/5
Right Out: -0.375+/-0.111 χ²/NDF: 18.2/18
Left In: -0.295+/-0.120 χ²/NDF:6.0/4
Left: -0.338+/-0.085 χ²/NDF: 11.9/10
Right: -0.253+/-0.079 χ²/NDF: 45.2/34
In: -0.207+/-0.082 χ²/NDF:31.6/20
Out: -0.378+/-0.082 χ²/NDF:23.8/24
All: -0.292+/-0.058 χ²/NDF: 57.6/45



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.131+/-0.171 χ^2/NDF:14.9/5

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.107+/-0.176 χ^2/NDF:4.3/4

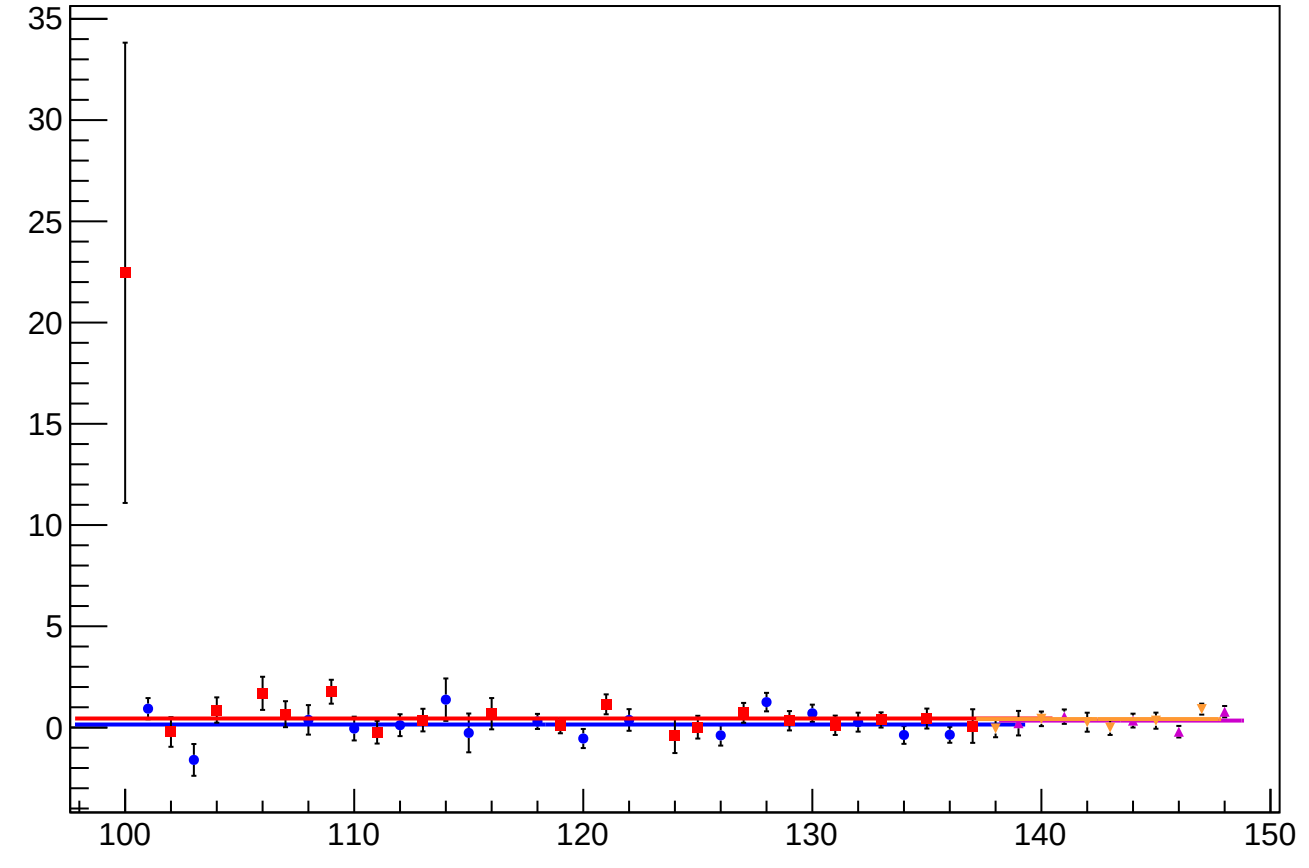
Left: -0.015+/-0.123 χ^2/NDF: 20.1/10

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.447+/-0.100 χ^2/NDF:43.9/20

Out: -0.441+/-0.099 χ^2/NDF:130.7/24

All: -0.444+/-0.070 χ^2/NDF: 174.7/45



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.418+/-0.149 χ^2/NDF:5.9/5

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.343+/-0.151 χ^2/NDF:6.5/4

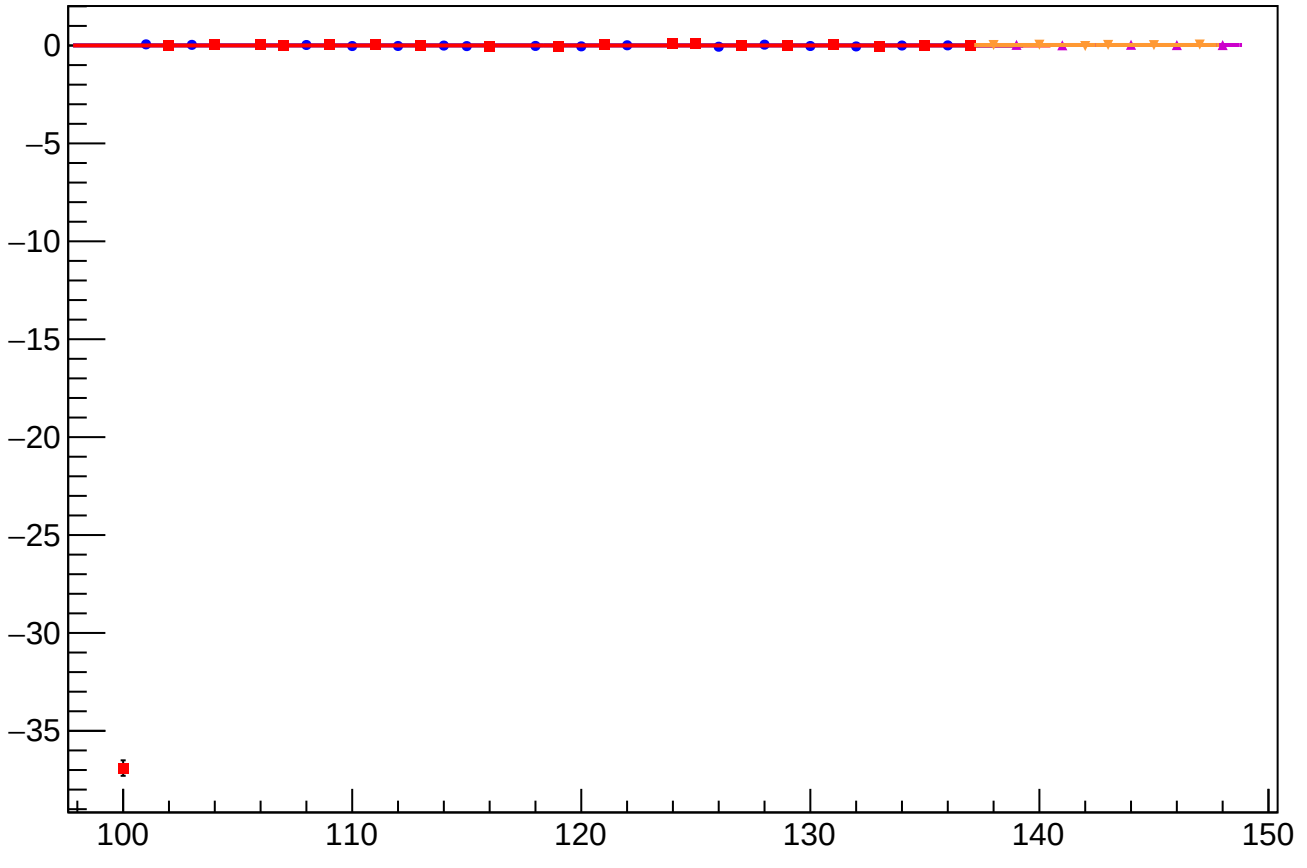
Left: 0.380+/-0.106 χ^2/NDF: 12.5/10

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.230+/-0.098 χ^2/NDF:30.7/20

Out: 0.433+/-0.097 χ^2/NDF:25.6/24

All: 0.332+/-0.069 χ^2/NDF: 58.5/45



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.007 χ^2/NDF:7.0/5

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.026+/-0.007 χ^2/NDF:1.5/4

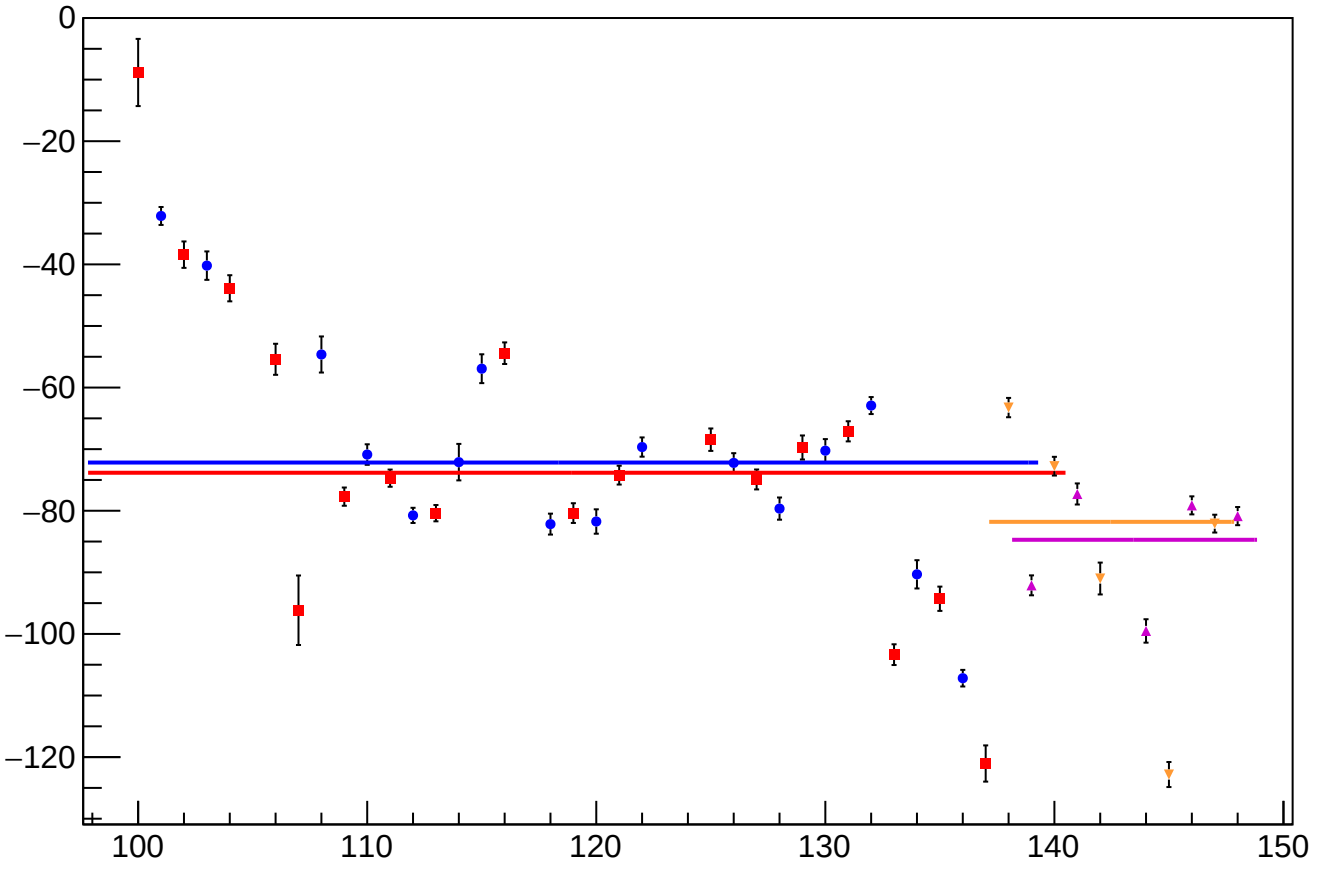
Left: 0.026+/-0.005 χ^2/NDF: 8.5/10

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.017+/-0.005 χ^2/NDF:22.9/20

Out: 0.015+/-0.005 χ^2/NDF:8765.8/24

All: 0.016+/-0.004 χ^2/NDF: 8788.7/45



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -81.801+/-0.765 χ^2/NDF:595.3/4

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -84.715+/-0.721 χ^2/NDF:121.7/4

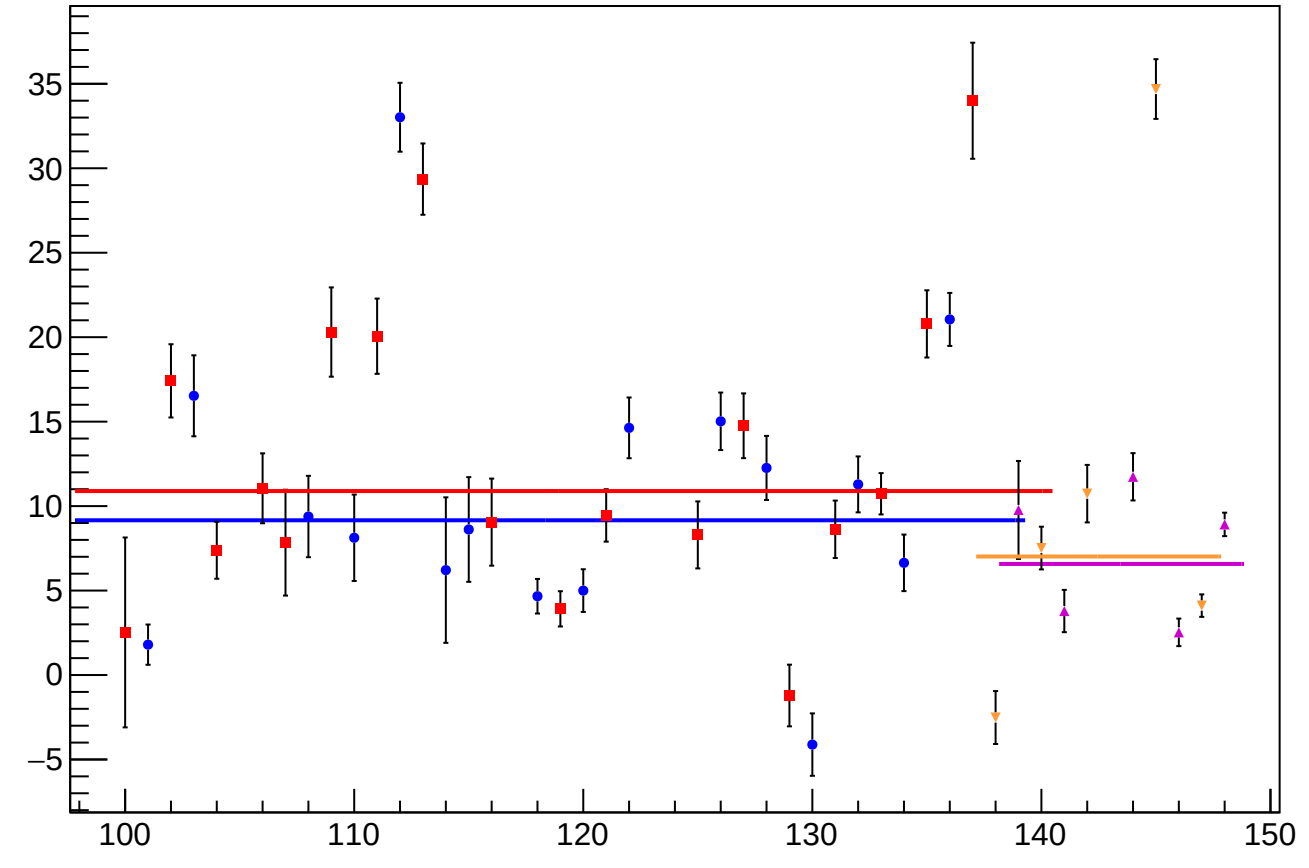
Left: -83.345+/-0.525 χ^2/NDF: 724.7/9

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.489+/-0.370 χ^2/NDF:2280.5/20

Out: -75.748+/-0.375 χ^2/NDF:2235.4/22

All: -75.617+/-0.264 χ^2/NDF: 4516.2/43



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 7.018+/-0.503 χ^2/NDF:306.1/4

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 6.576+/-0.454 χ^2/NDF:55.7/4

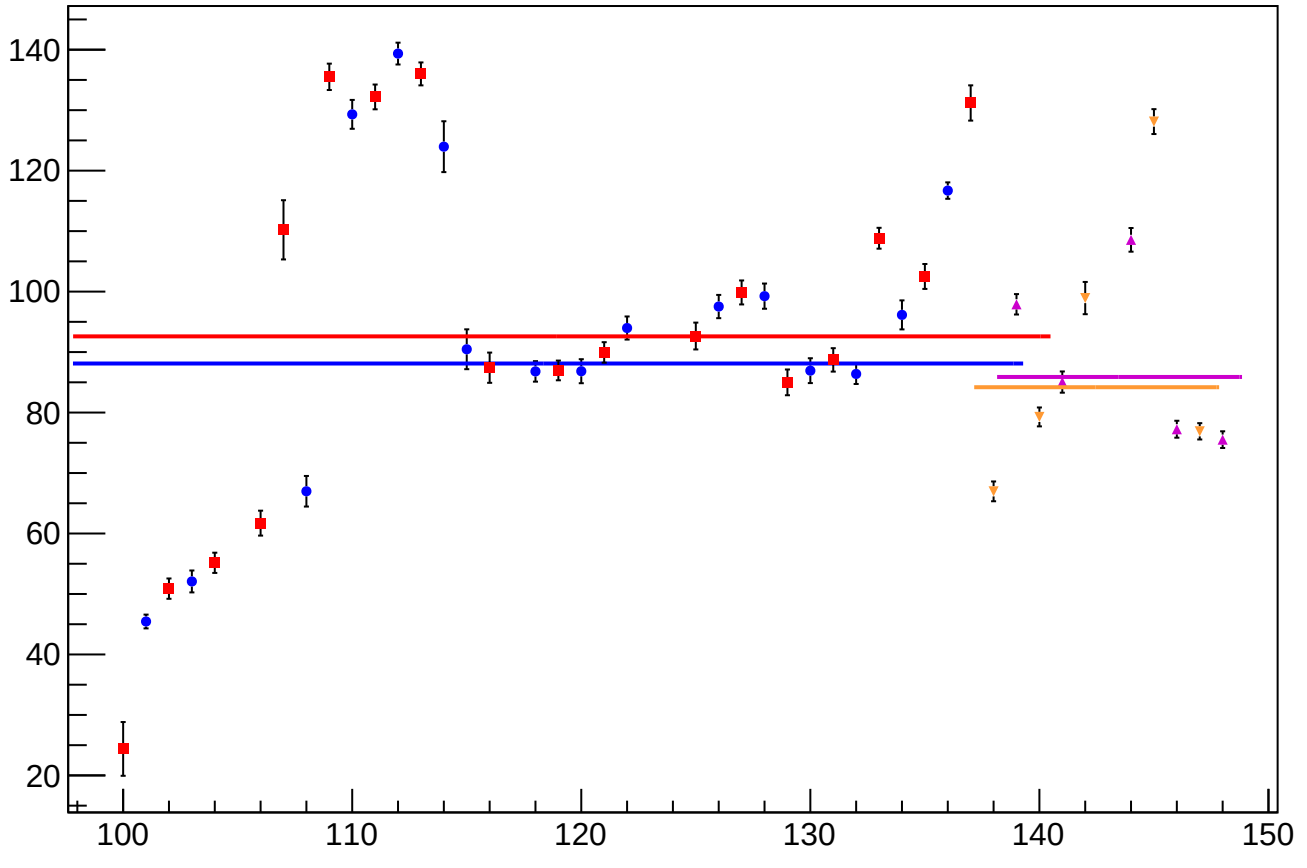
Left: 6.775+/-0.337 χ^2/NDF: 362.3/9

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 7.955+/-0.310 χ^2/NDF:425.1/20

Out: 9.211+/-0.331 χ^2/NDF:629.9/22

All: 8.542+/-0.226 χ^2/NDF: 1062.7/43



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 84.189+/-0.765 χ^2/NDF:635.6/4

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 85.886+/-0.712 χ^2/NDF:279.5/4

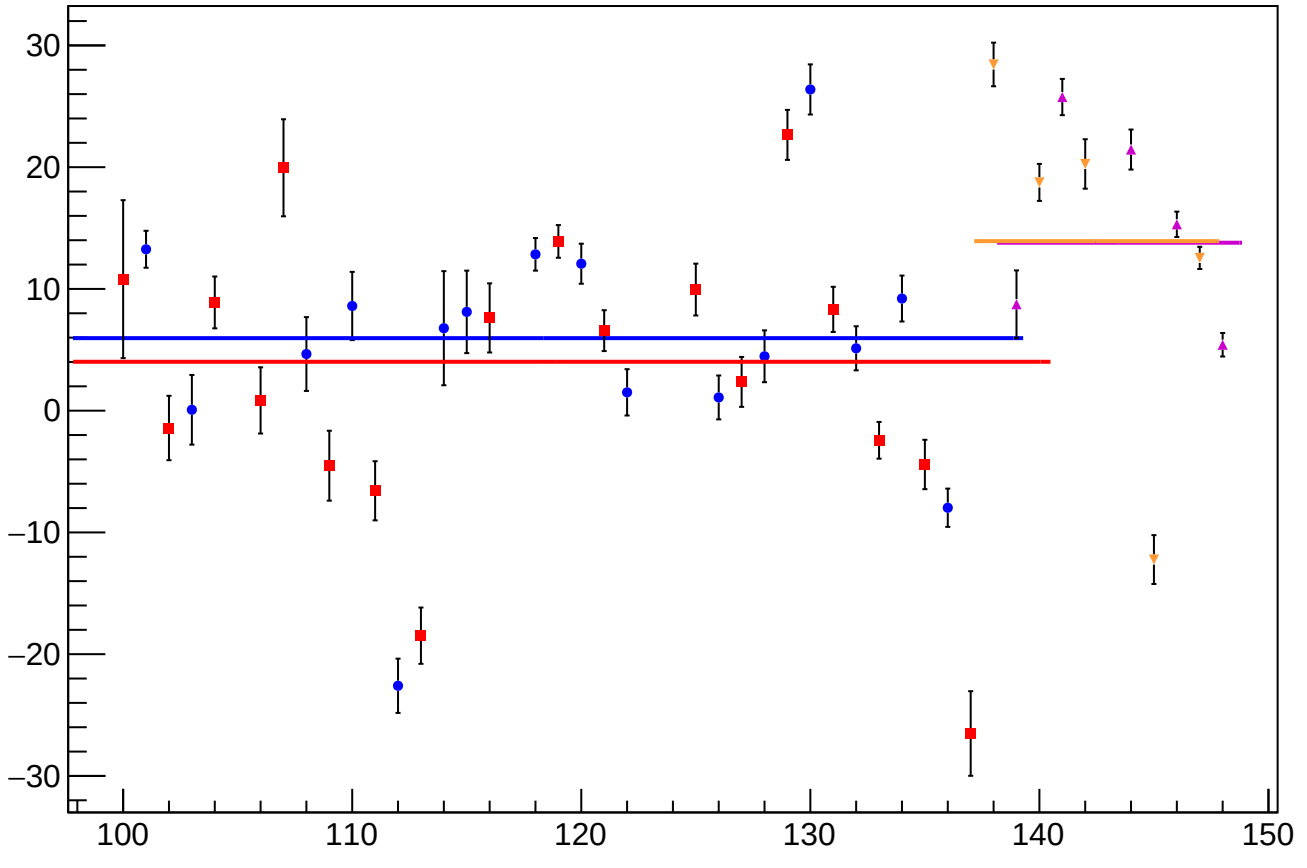
Left: 85.098+/-0.521 χ^2/NDF: 917.7/9

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 87.437+/-0.391 χ^2/NDF:3848.0/20

Out: 90.200+/-0.409 χ^2/NDF:3932.9/22

All: 88.760+/-0.283 χ^2/NDF: 7804.7/43



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.926+/-0.641 χ^2/NDF:257.7/4

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 13.795+/-0.583 χ^2/NDF:166.8/4

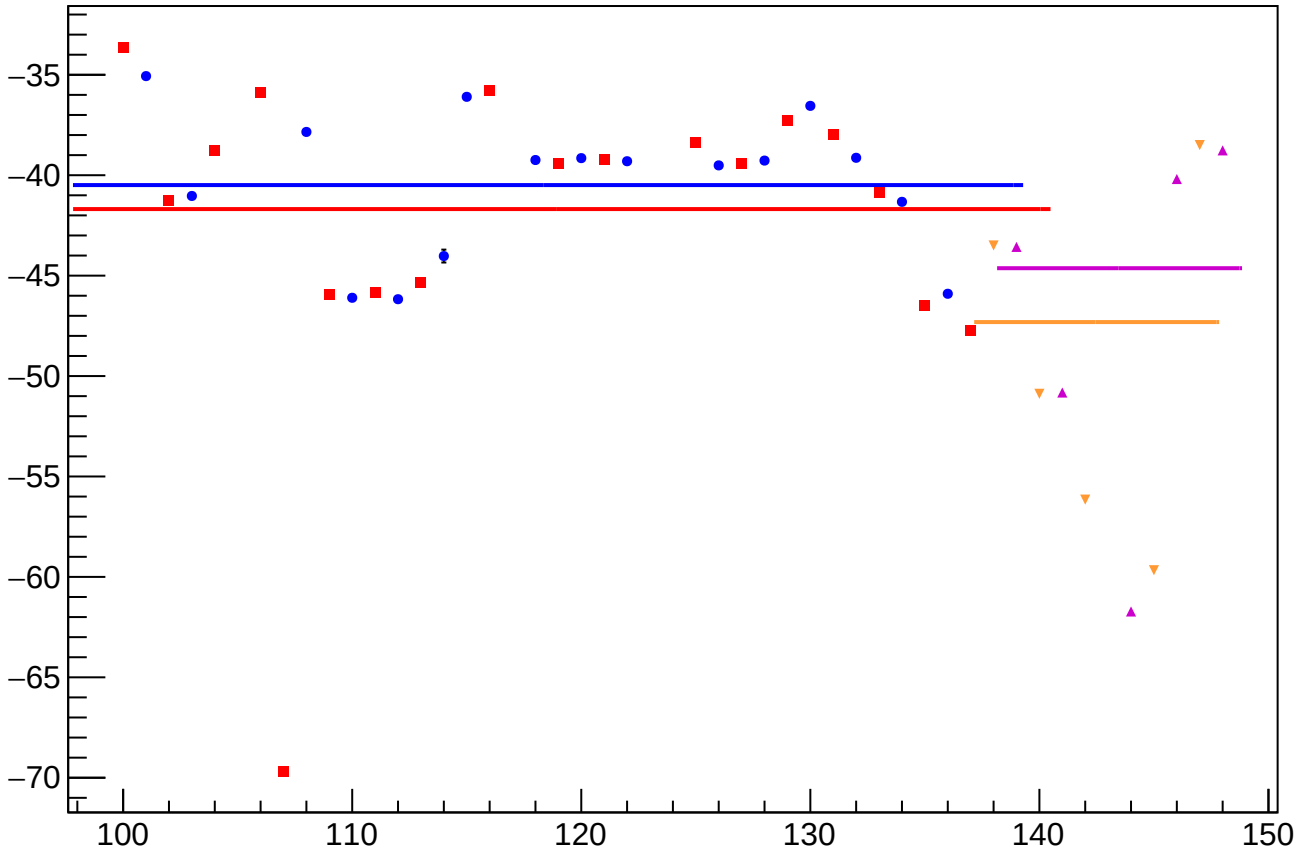
Left: 13.854+/-0.431 χ^2/NDF: 424.6/9

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 9.240+/-0.377 χ^2/NDF:698.7/20

Out: 7.858+/-0.399 χ^2/NDF:822.0/22

All: 8.587+/-0.274 χ^2/NDF: 1527.0/43



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -47.312+/-0.032 χ^2/NDF:57219.5/4

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -44.630+/-0.029 χ^2/NDF:61974.9/4

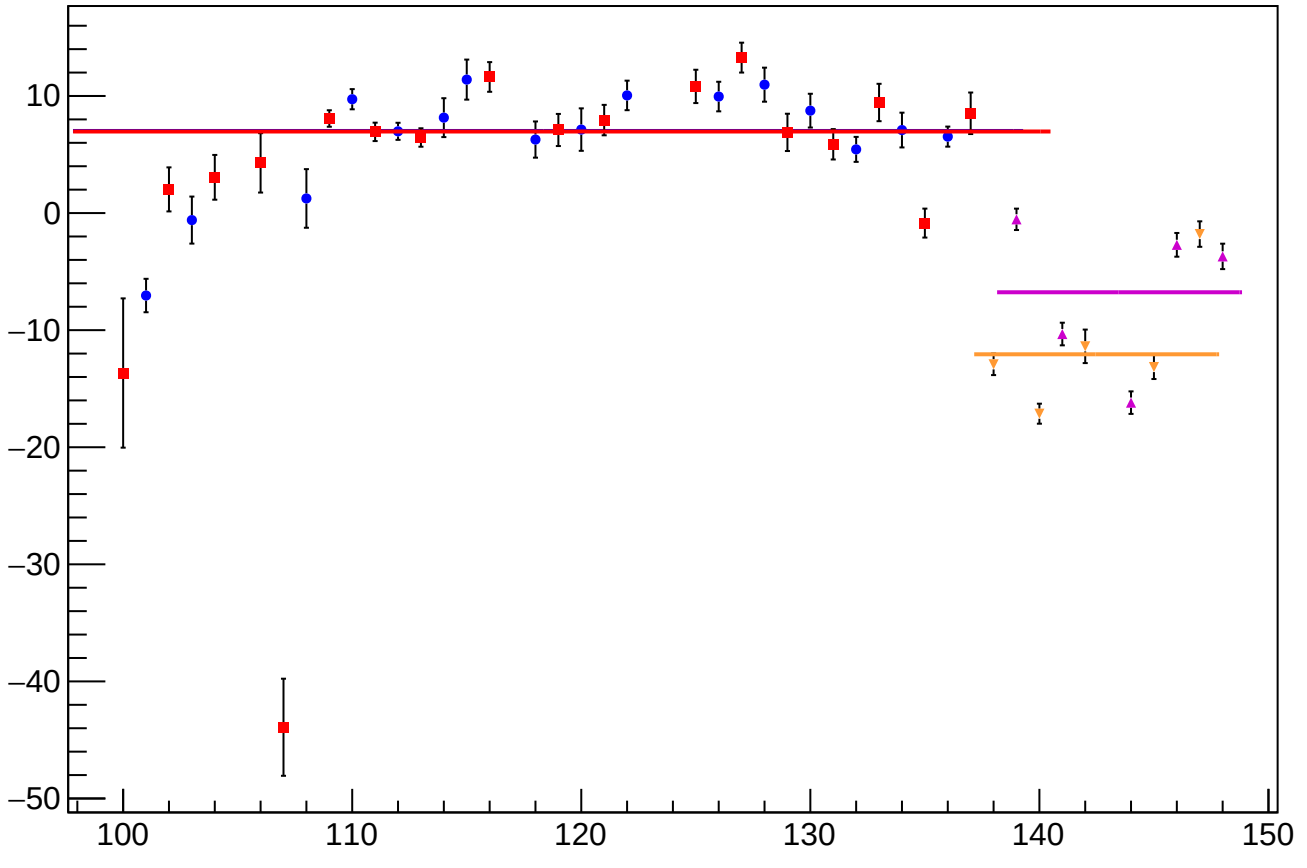
Left: -45.817+/-0.022 χ^2/NDF: 123009.3/9

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -42.518+/-0.020 χ^2/NDF:90567.4/20

Out: -44.211+/-0.022 χ^2/NDF:110661.5/22

All: -43.304+/-0.015 χ^2/NDF: 204483.1/43



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -12.062+/-0.454 χ^2/NDF:126.5/4

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.764+/-0.440 χ^2/NDF:180.1/4

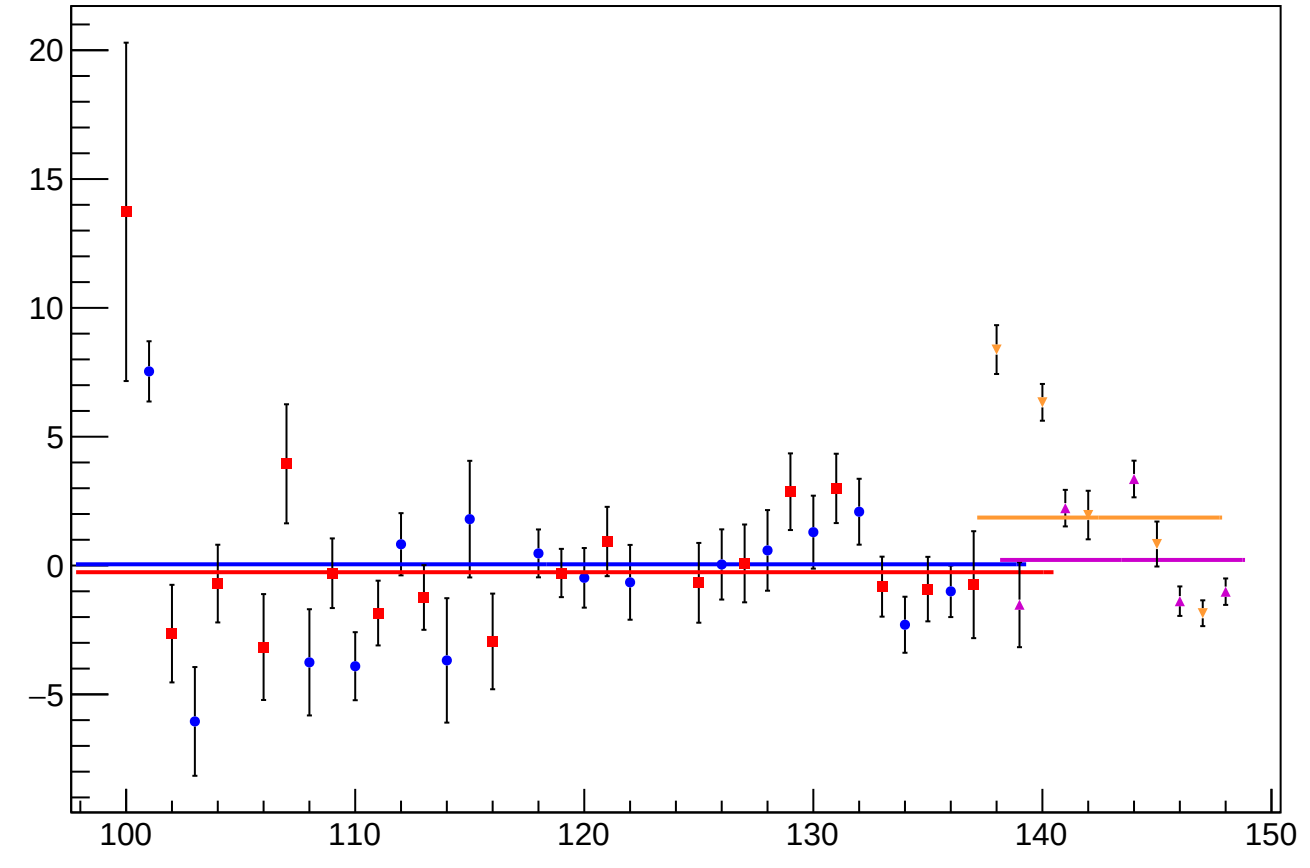
Left: -9.326+/-0.316 χ^2/NDF: 376.7/9

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 2.453+/-0.253 χ^2/NDF:992.9/20

Out: 1.241+/-0.249 χ^2/NDF:1617.9/22

All: 1.838+/-0.178 χ^2/NDF: 2622.5/43



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.862+/-0.324 χ^2/NDF:142.9/4

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.218+/-0.299 χ^2/NDF:42.2/4

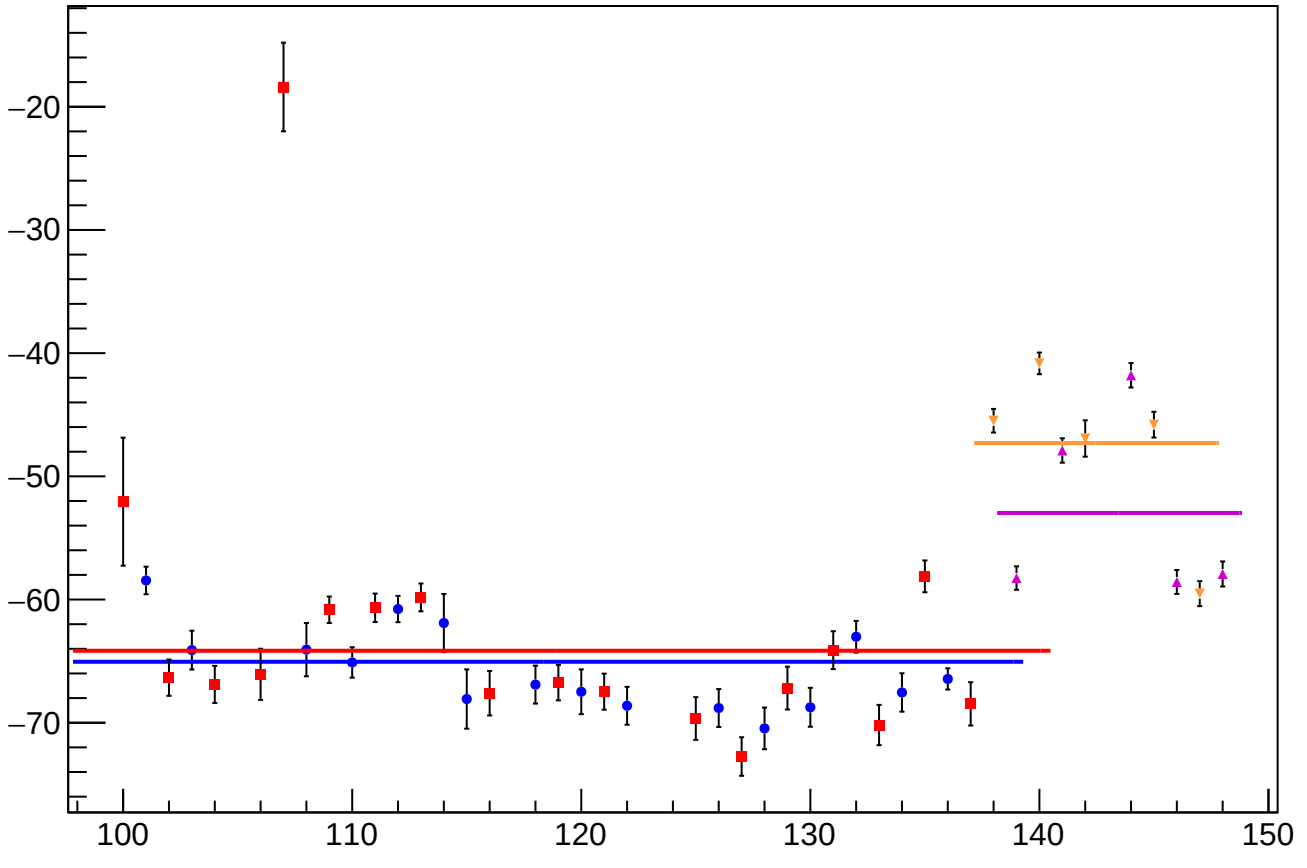
Left: 0.973+/-0.220 χ^2/NDF: 199.0/9

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.142+/-0.222 χ^2/NDF:117.4/20

Out: 0.865+/-0.236 χ^2/NDF:190.5/22

All: 0.481+/-0.162 χ^2/NDF: 312.9/43



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -47.295+/-0.460 χ^2/NDF:204.8/4

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -52.974+/-0.440 χ^2/NDF:241.2/4

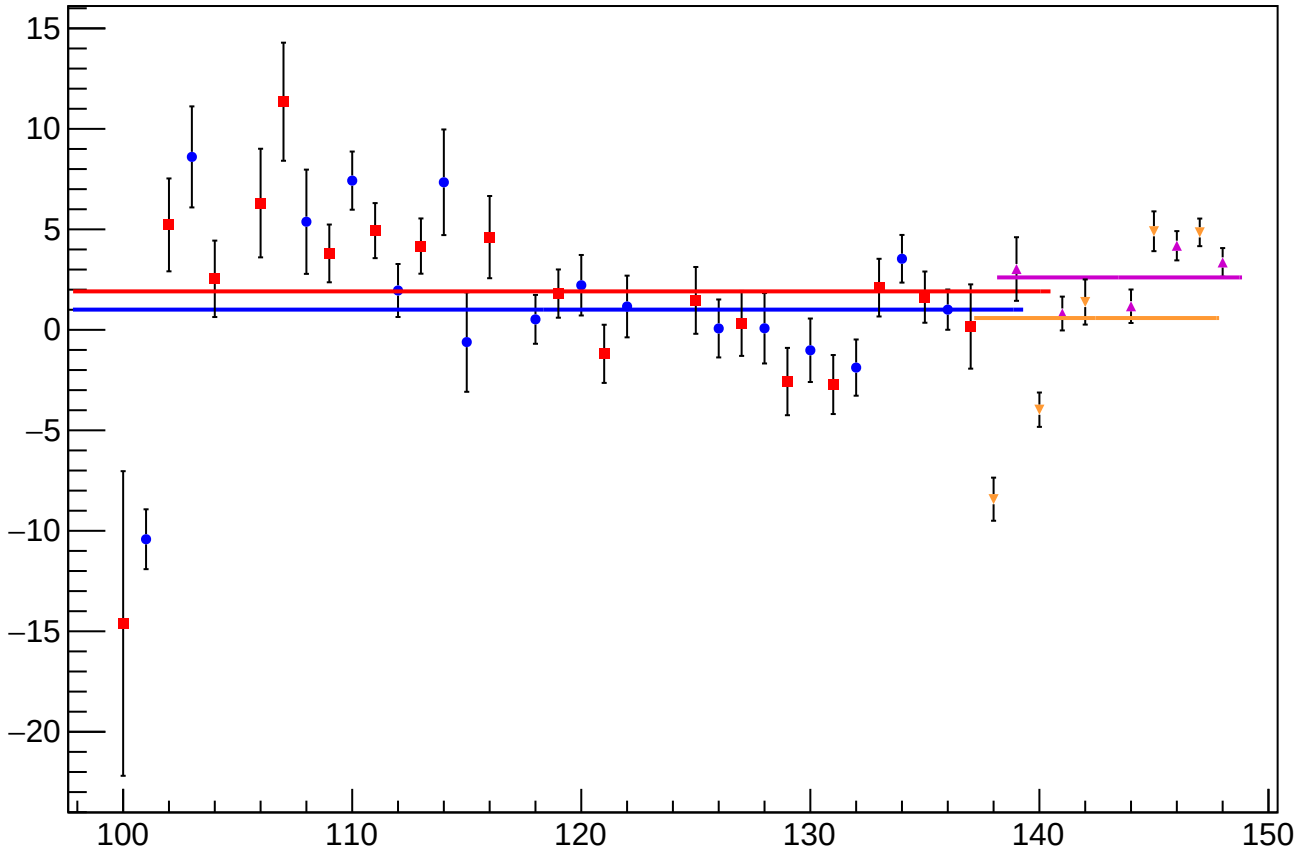
Left: -50.261+/-0.318 χ^2/NDF: 525.7/9

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.304+/-0.276 χ^2/NDF:791.6/20

Out: -57.741+/-0.284 χ^2/NDF:1341.0/22

All: -59.059+/-0.198 χ^2/NDF: 2174.5/43



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.587+/-0.402 χ^2/NDF:157.2/4

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 2.608+/-0.375 χ^2/NDF:13.4/4

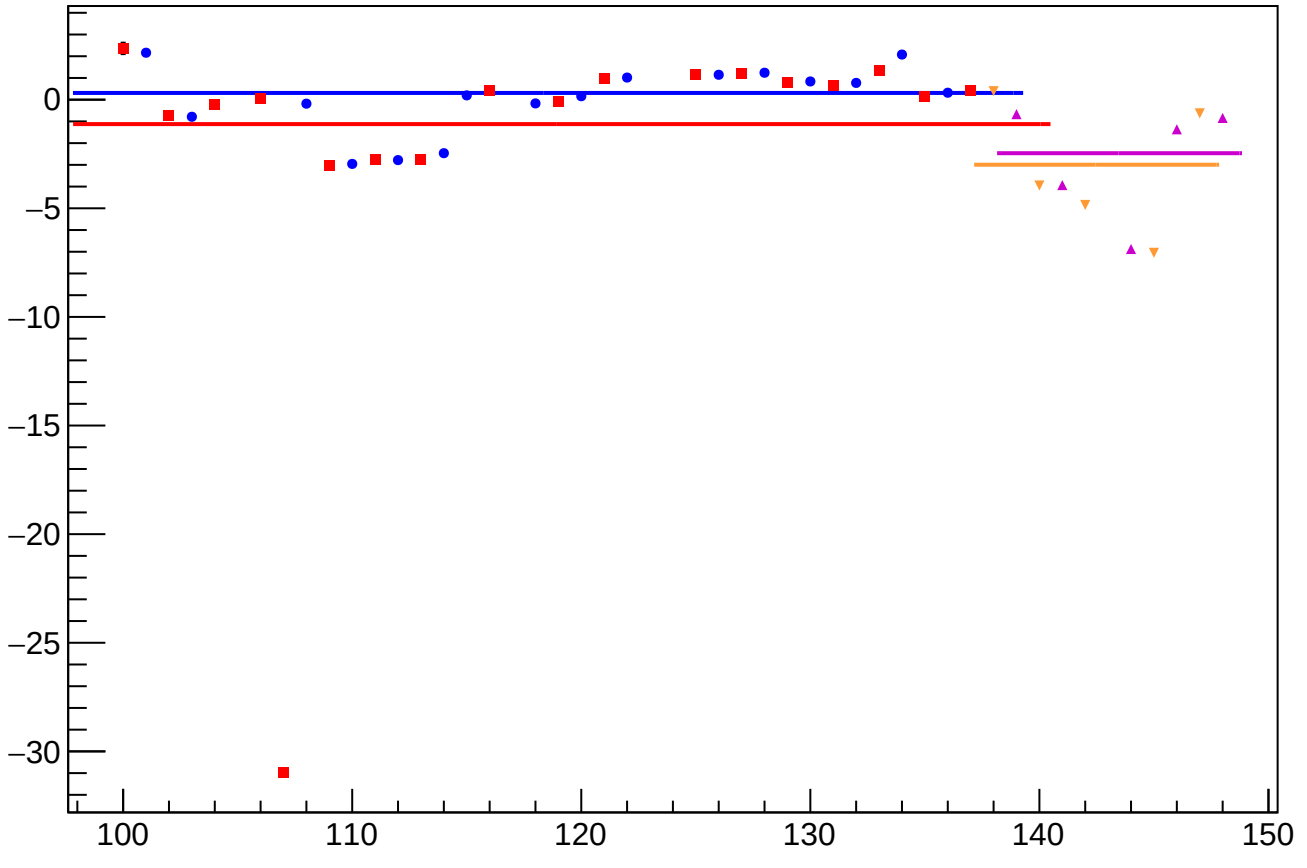
Left: 1.668+/-0.274 χ^2/NDF: 184.1/9

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.808+/-0.265 χ^2/NDF:131.7/20

Out: 1.272+/-0.280 χ^2/NDF:217.3/22

All: 1.554+/-0.193 χ^2/NDF: 350.9/43



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.994+/-0.019 χ^2/NDF:21924.5/4

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -2.464+/-0.018 χ^2/NDF:16267.4/4

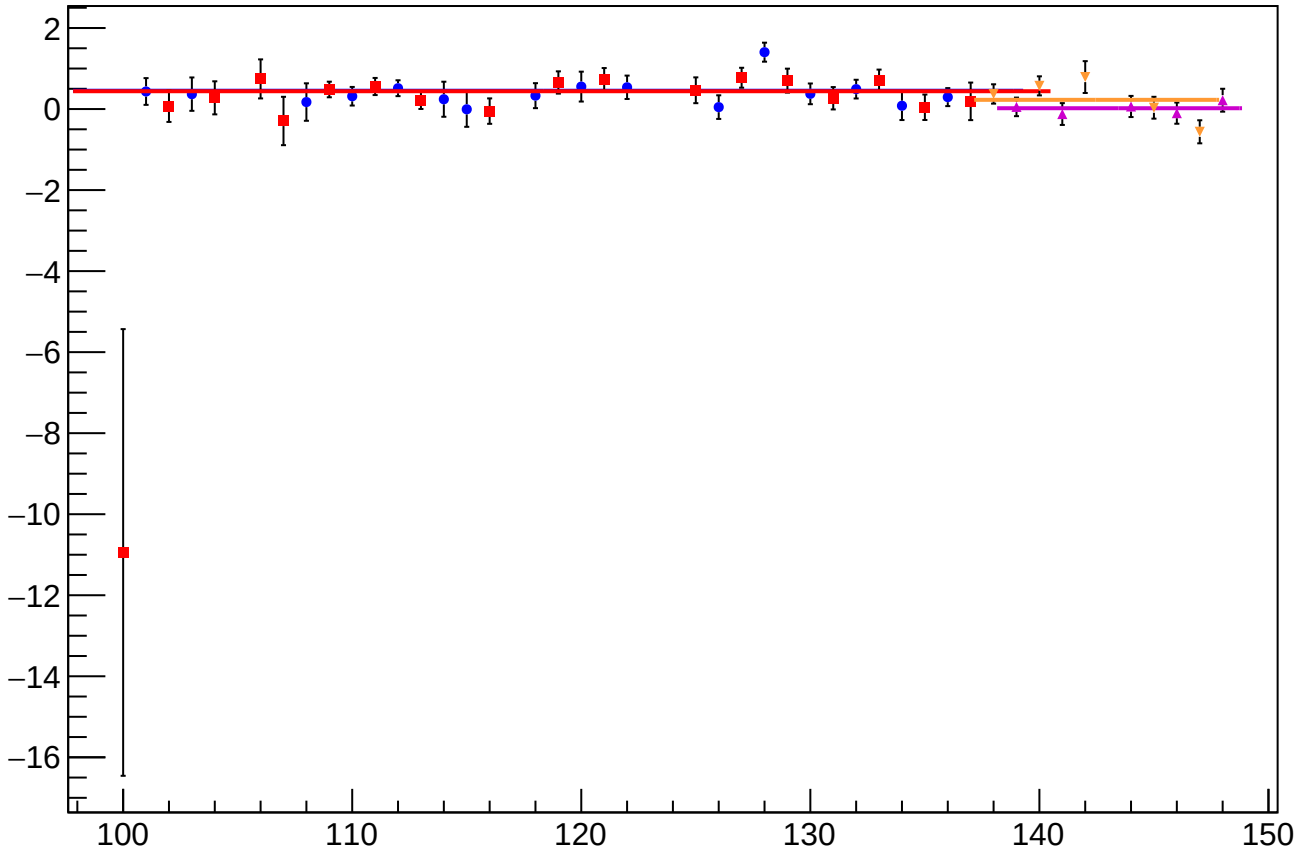
Left: -2.709+/-0.013 χ^2/NDF: 38601.2/9

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.307+/-0.014 χ^2/NDF:31224.8/20

Out: -2.194+/-0.015 χ^2/NDF:72326.5/22

All: -1.721+/-0.010 χ^2/NDF: 105536.9/43



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.227+/-0.121 χ^2/NDF:12.8/4

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.020+/-0.116 χ^2/NDF:1.0/4

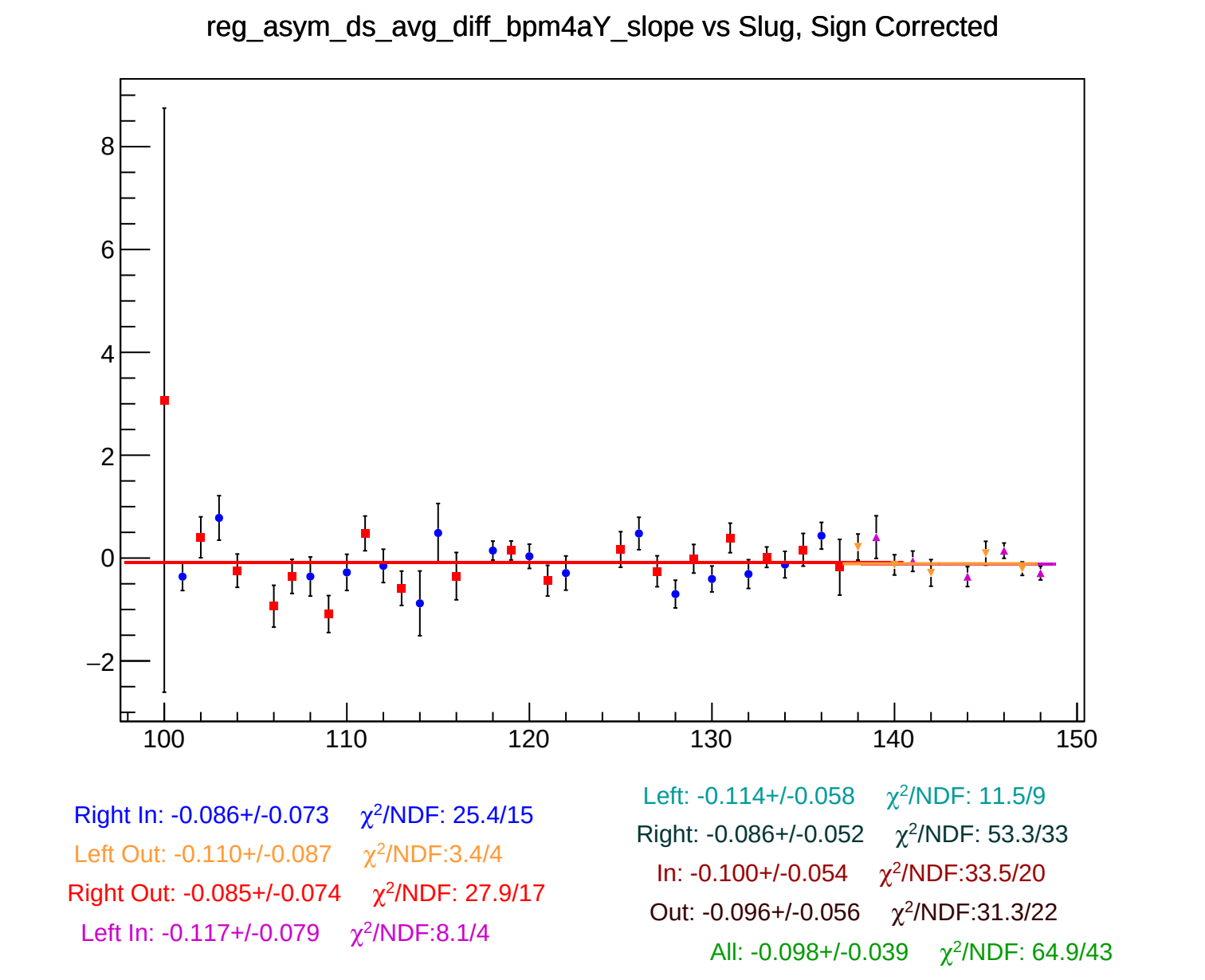
Left: 0.119+/-0.084 χ^2/NDF: 15.3/9

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

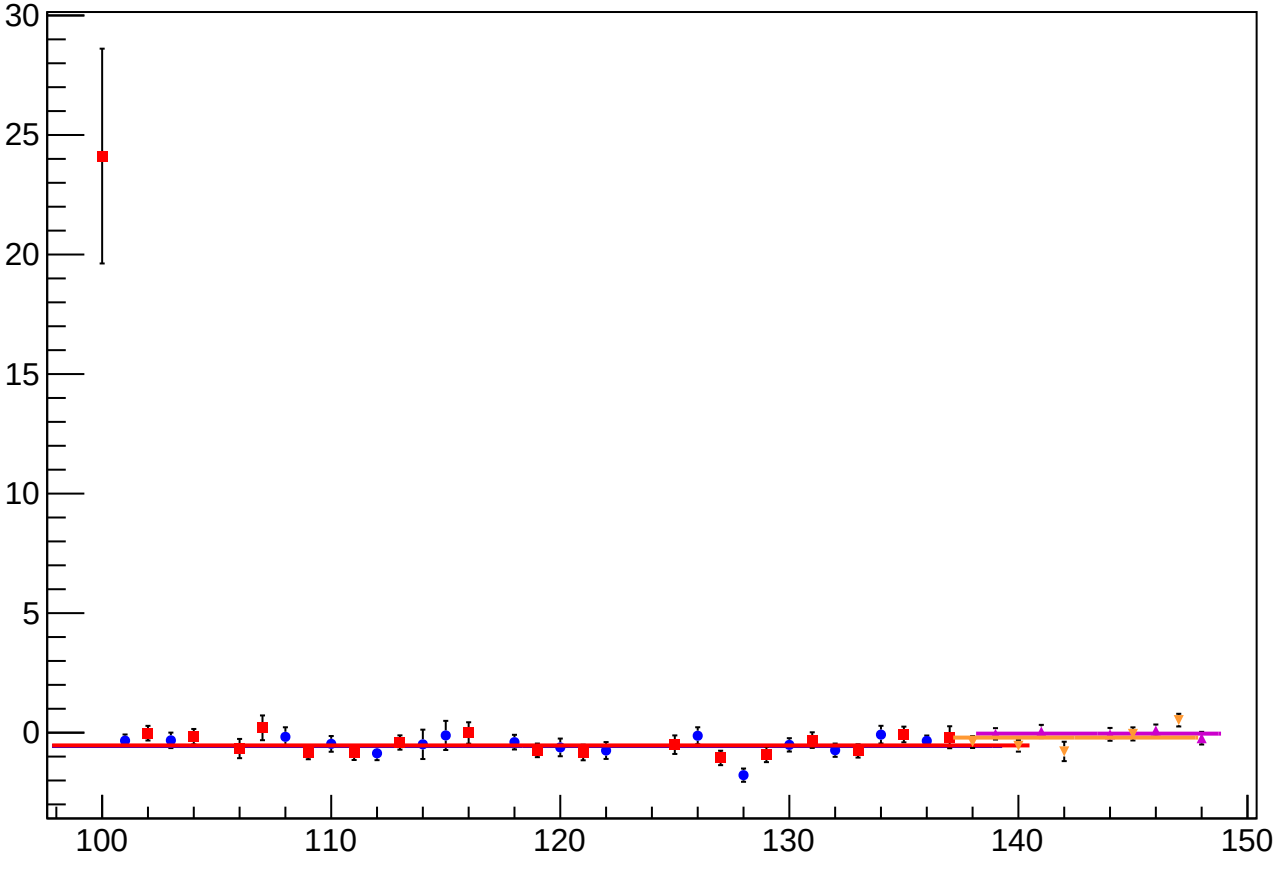
In: 0.333+/-0.061 χ^2/NDF:33.8/20

Out: 0.387+/-0.060 χ^2/NDF:33.6/22

All: 0.360+/-0.043 χ^2/NDF: 67.8/43


reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.086+/-0.073 χ²/NDF: 25.4/15
Left Out: -0.110+/-0.087 χ²/NDF:3.4/4
Right Out: -0.085+/-0.074 χ²/NDF: 27.9/17
Left In: -0.117+/-0.079 χ²/NDF:8.1/4
Left: -0.114+/-0.058 χ²/NDF: 11.5/9
Right: -0.086+/-0.052 χ²/NDF: 53.3/33
In: -0.100+/-0.054 χ²/NDF:33.5/20
Out: -0.096+/-0.056 χ²/NDF:31.3/22
All: -0.098+/-0.039 χ²/NDF: 64.9/43

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: -0.206+/-0.122 χ^2/NDF:12.5/4

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.041+/-0.116 χ^2/NDF:0.9/4

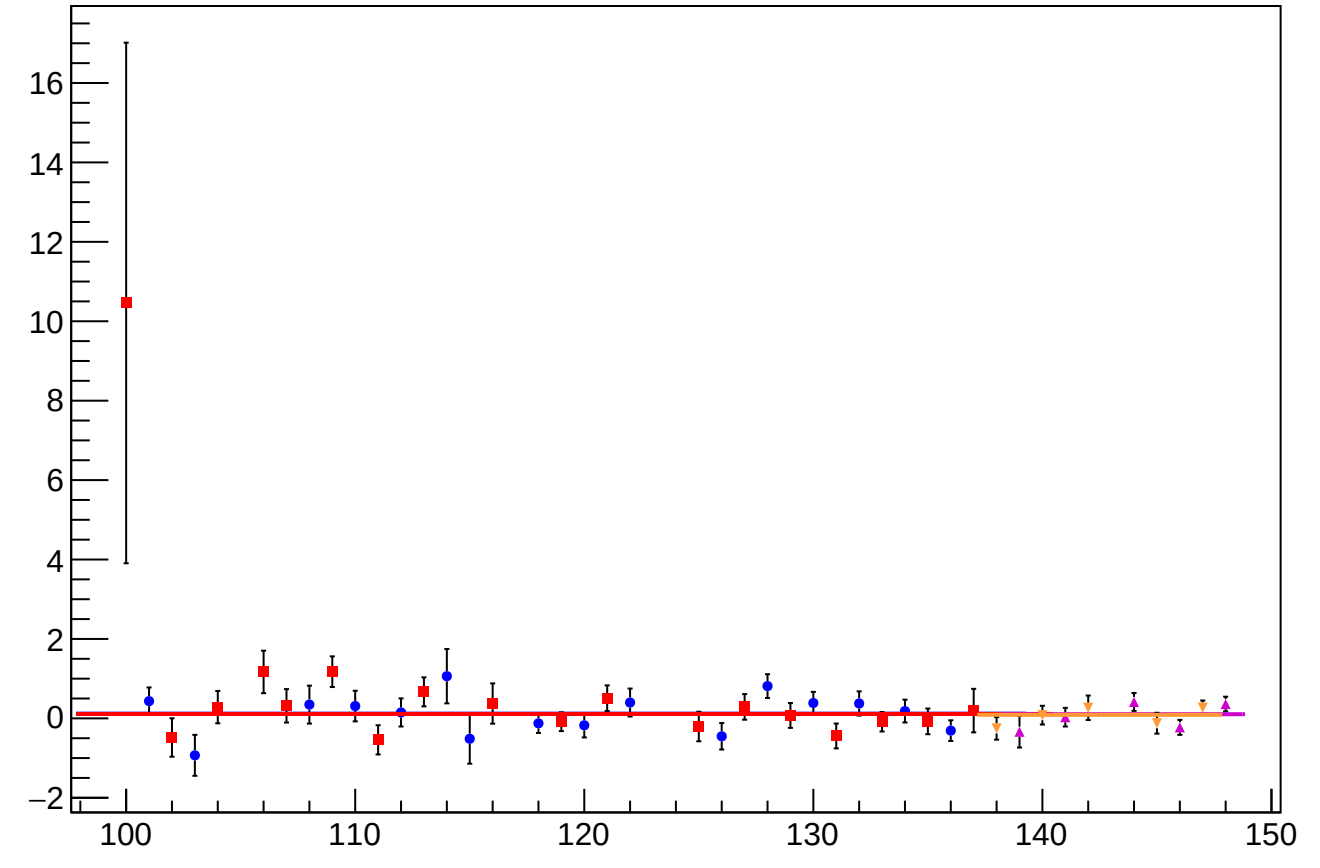
Left: -0.119+/-0.084 χ^2/NDF: 14.4/9

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.392+/-0.066 χ^2/NDF:42.8/20

Out: -0.435+/-0.067 χ^2/NDF:66.7/22

All: -0.413+/-0.047 χ^2/NDF: 109.7/43



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: 0.090+/-0.108 χ^2/NDF:3.4/4

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.105+/-0.099 χ^2/NDF:8.2/4

Left: 0.098+/-0.073 χ^2/NDF: 11.6/9

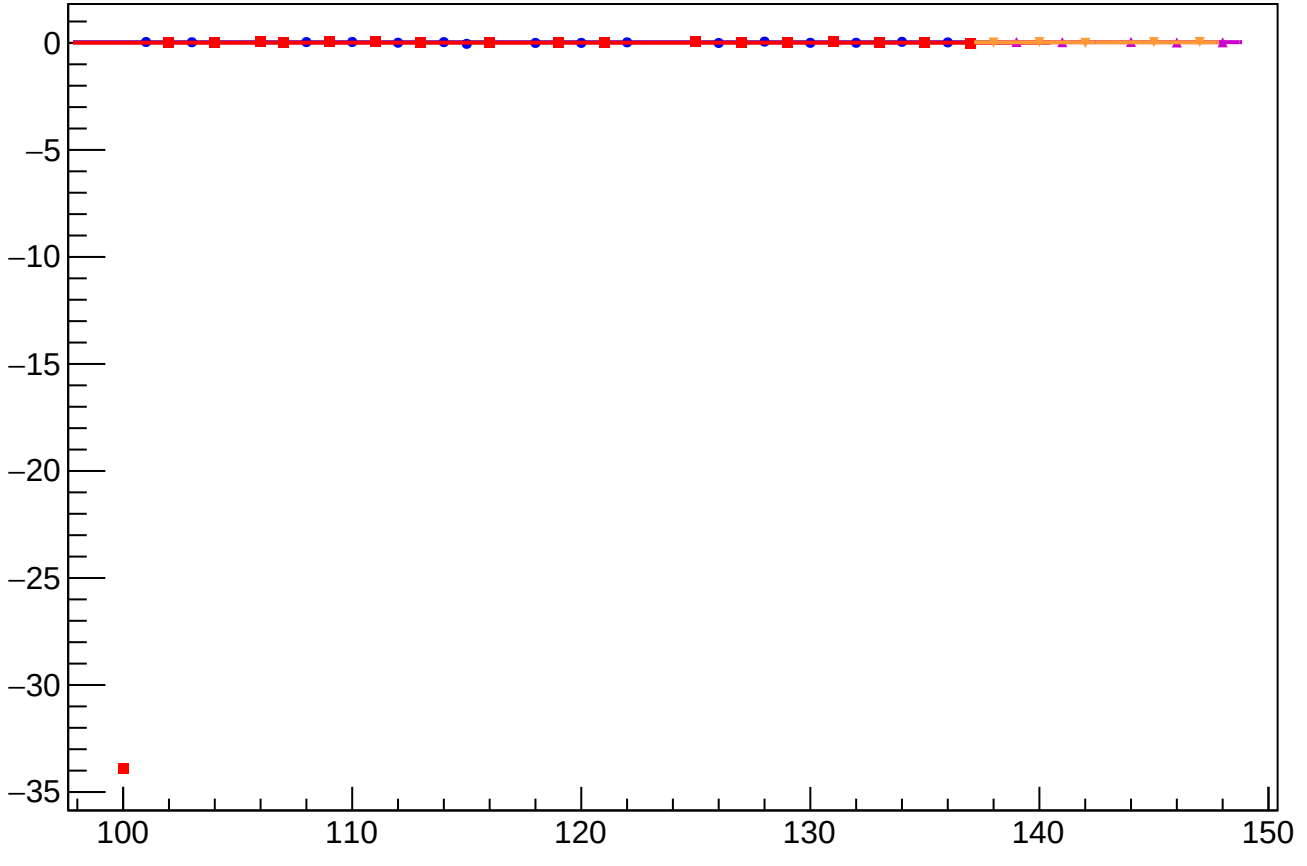
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.112+/-0.064 χ^2/NDF:31.8/20

Out: 0.103+/-0.067 χ^2/NDF:32.4/22

All: 0.108+/-0.046 χ^2/NDF: 64.3/43

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.3/4

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.035+/-0.005 χ^2/NDF:4.1/4

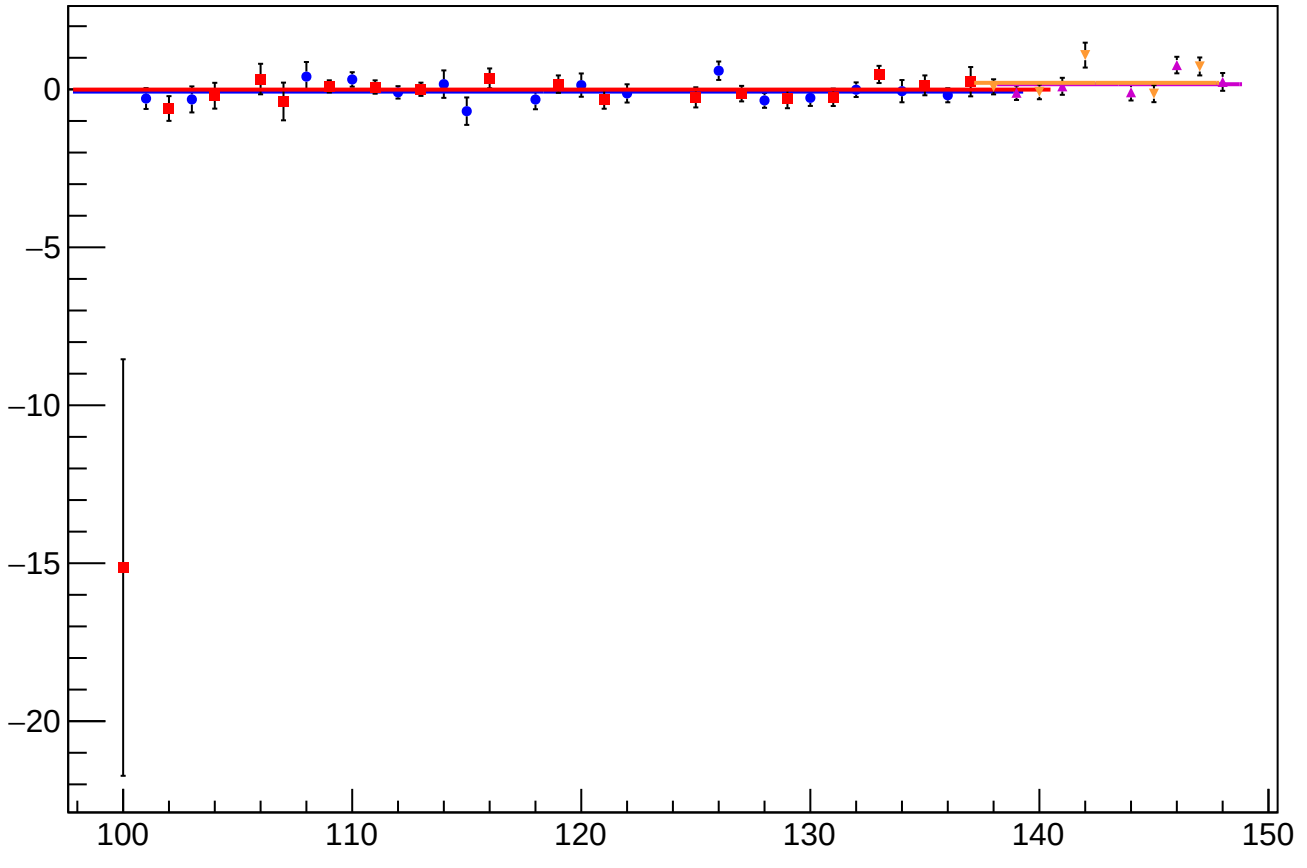
Left: 0.032+/-0.003 χ^2/NDF: 12.5/9

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:20.2/20

Out: 0.020+/-0.004 χ^2/NDF:22274.8/22

All: 0.026+/-0.002 χ^2/NDF: 22300.8/43



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.207+/-0.121 χ^2/NDF:11.6/4

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.163+/-0.116 χ^2/NDF:7.8/4

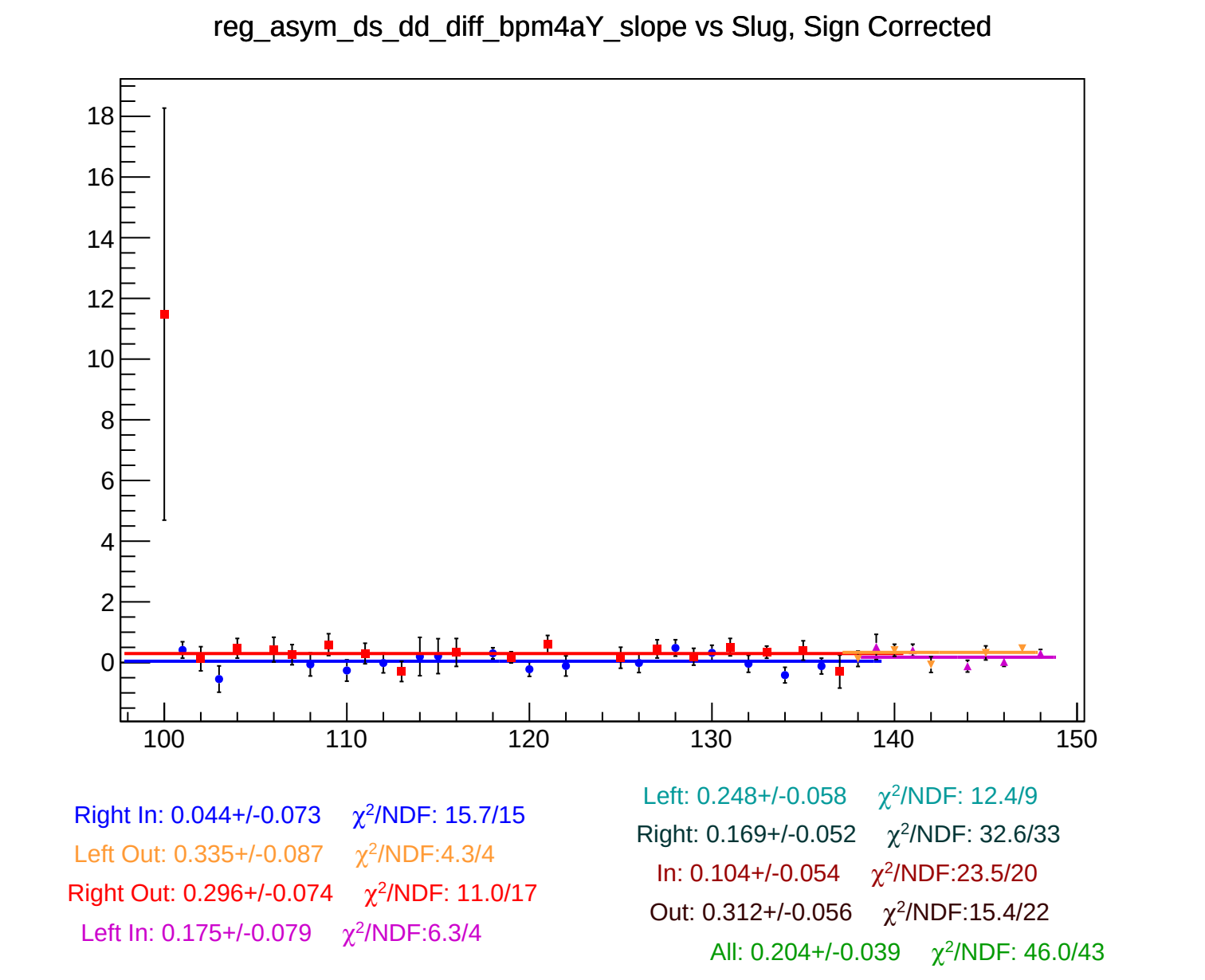
Left: 0.184+/-0.084 χ^2/NDF: 19.5/9

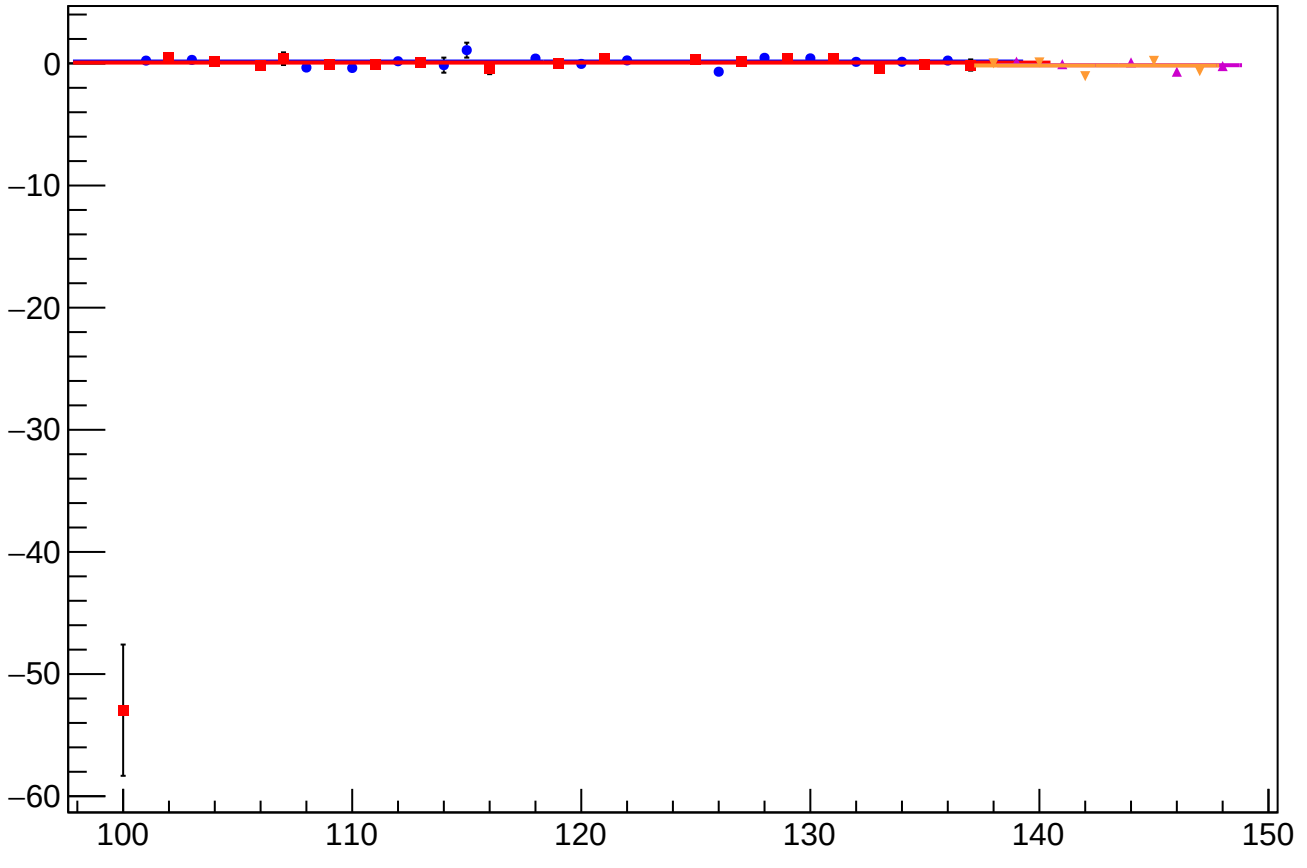
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.006+/-0.061 χ^2/NDF:26.3/20

Out: 0.046+/-0.060 χ^2/NDF:32.1/22

All: 0.020+/-0.043 χ^2/NDF: 58.8/43


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
110
120
130
140
150
Right In: 0.044+/-0.073 χ²/NDF: 15.7/15
Left Out: 0.335+/-0.087 χ²/NDF:4.3/4
Right Out: 0.296+/-0.074 χ²/NDF: 11.0/17
Left In: 0.175+/-0.079 χ²/NDF:6.3/4
Left: 0.248+/-0.058 χ²/NDF: 12.4/9
Right: 0.169+/-0.052 χ²/NDF: 32.6/33
In: 0.104+/-0.054 χ²/NDF:23.5/20
Out: 0.312+/-0.056 χ²/NDF:15.4/22
All: 0.204+/-0.039 χ²/NDF: 46.0/43



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.170+/-0.122 χ^2/NDF:11.2/4

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.148+/-0.116 χ^2/NDF:6.9/4

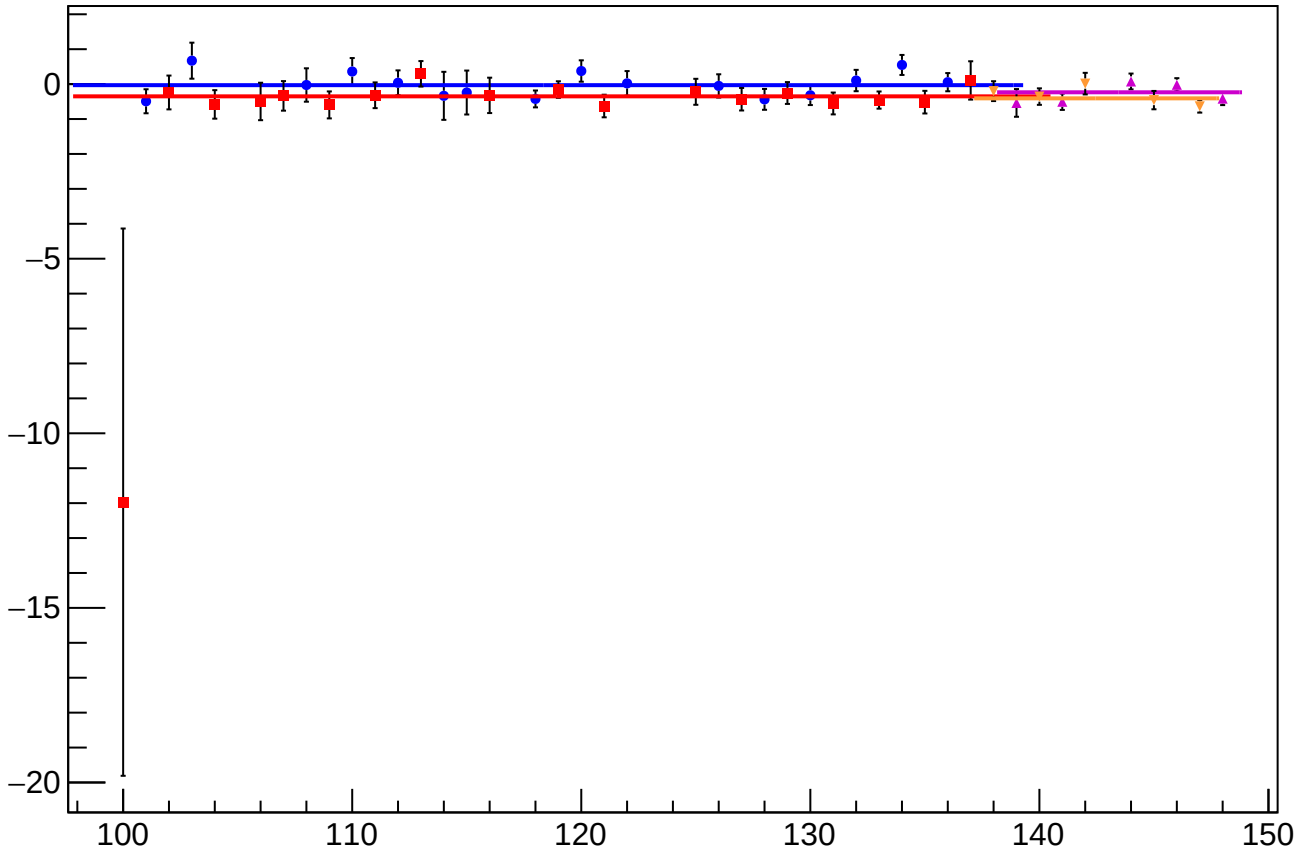
Left: -0.159+/-0.084 χ^2/NDF: 18.1/9

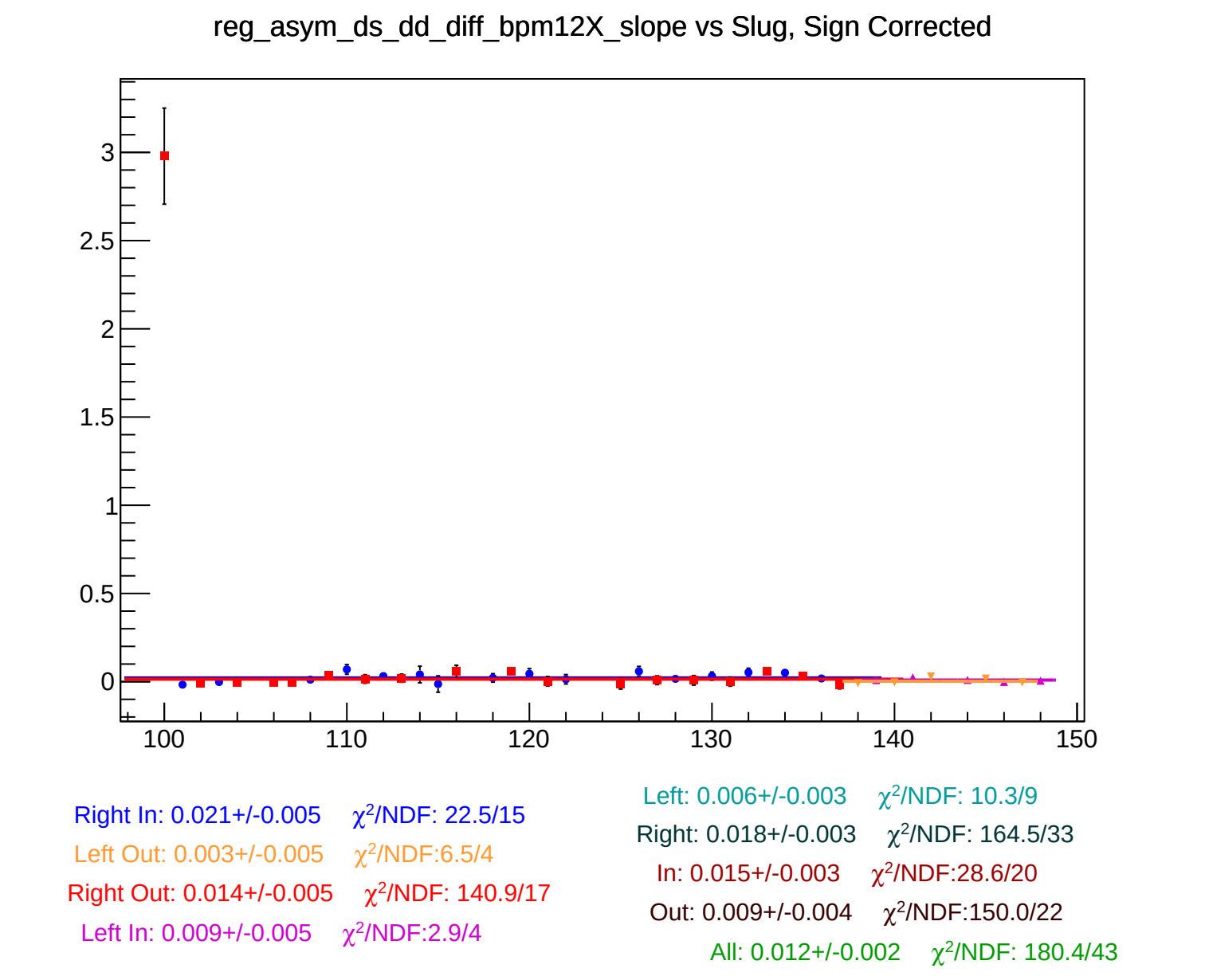
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

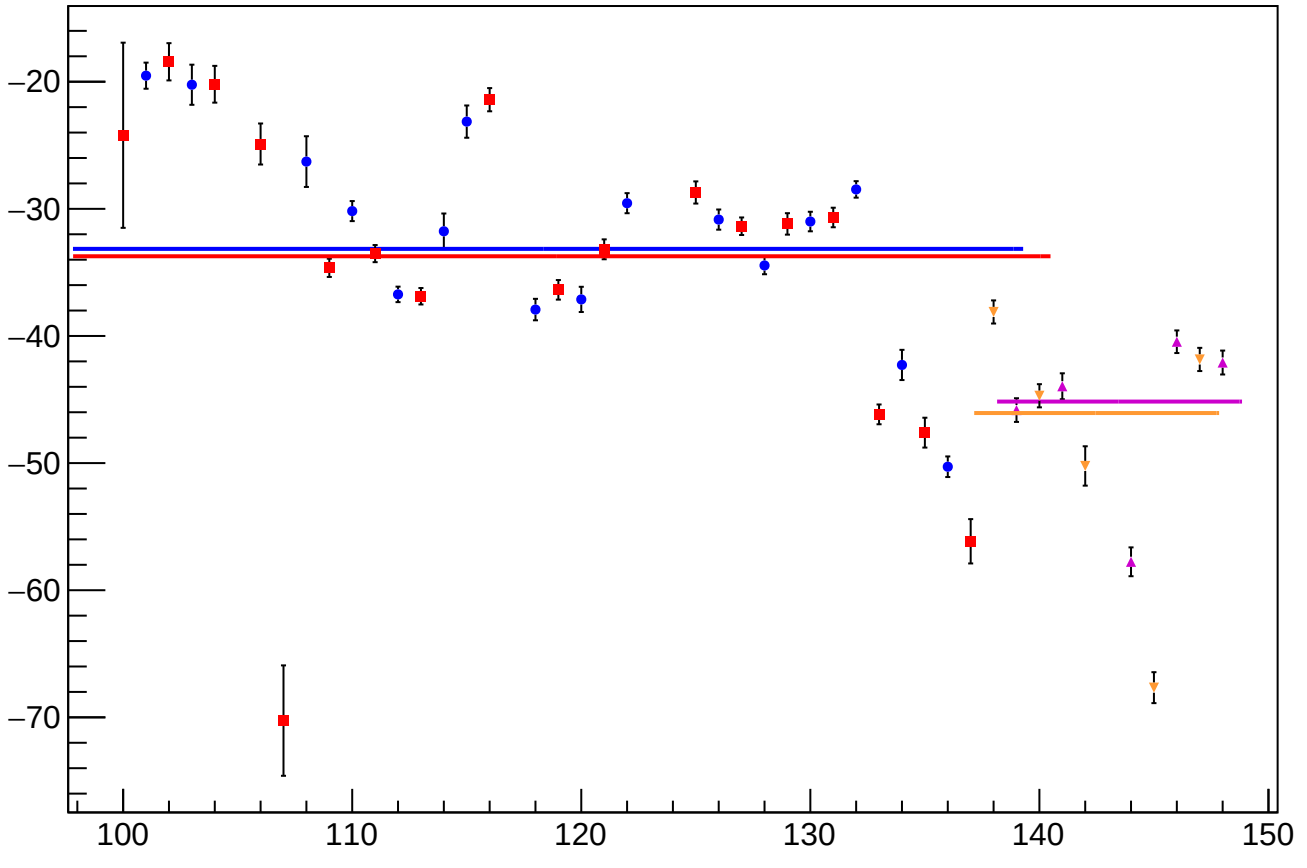
In: 0.056+/-0.066 χ^2/NDF:27.1/20

Out: -0.006+/-0.067 χ^2/NDF:123.1/22

All: 0.026+/-0.047 χ^2/NDF: 150.6/43


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.408+/-0.108 χ²/NDF:4.1/4
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.234+/-0.099 χ²/NDF:6.1/4
Left: -0.314+/-0.073 χ²/NDF: 11.6/9
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.115+/-0.064 χ²/NDF:25.3/20
Out: -0.372+/-0.067 χ²/NDF:13.7/22
All: -0.239+/-0.046 χ²/NDF: 46.7/43


reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
3
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
Right In: 0.021+/-0.005 χ²/NDF: 22.5/15
Left Out: 0.003+/-0.005 χ²/NDF:6.5/4
Right Out: 0.014+/-0.005 χ²/NDF: 140.9/17
Left In: 0.009+/-0.005 χ²/NDF:2.9/4
Left: 0.006+/-0.003 χ²/NDF: 10.3/9
Right: 0.018+/-0.003 χ²/NDF: 164.5/33
In: 0.015+/-0.003 χ²/NDF:28.6/20
Out: 0.009+/-0.004 χ²/NDF:150.0/22
All: 0.012+/-0.002 χ²/NDF: 180.4/43



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -46.062+/-0.461 χ^2/NDF:422.0/4

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -45.160+/-0.435 χ^2/NDF:164.1/4

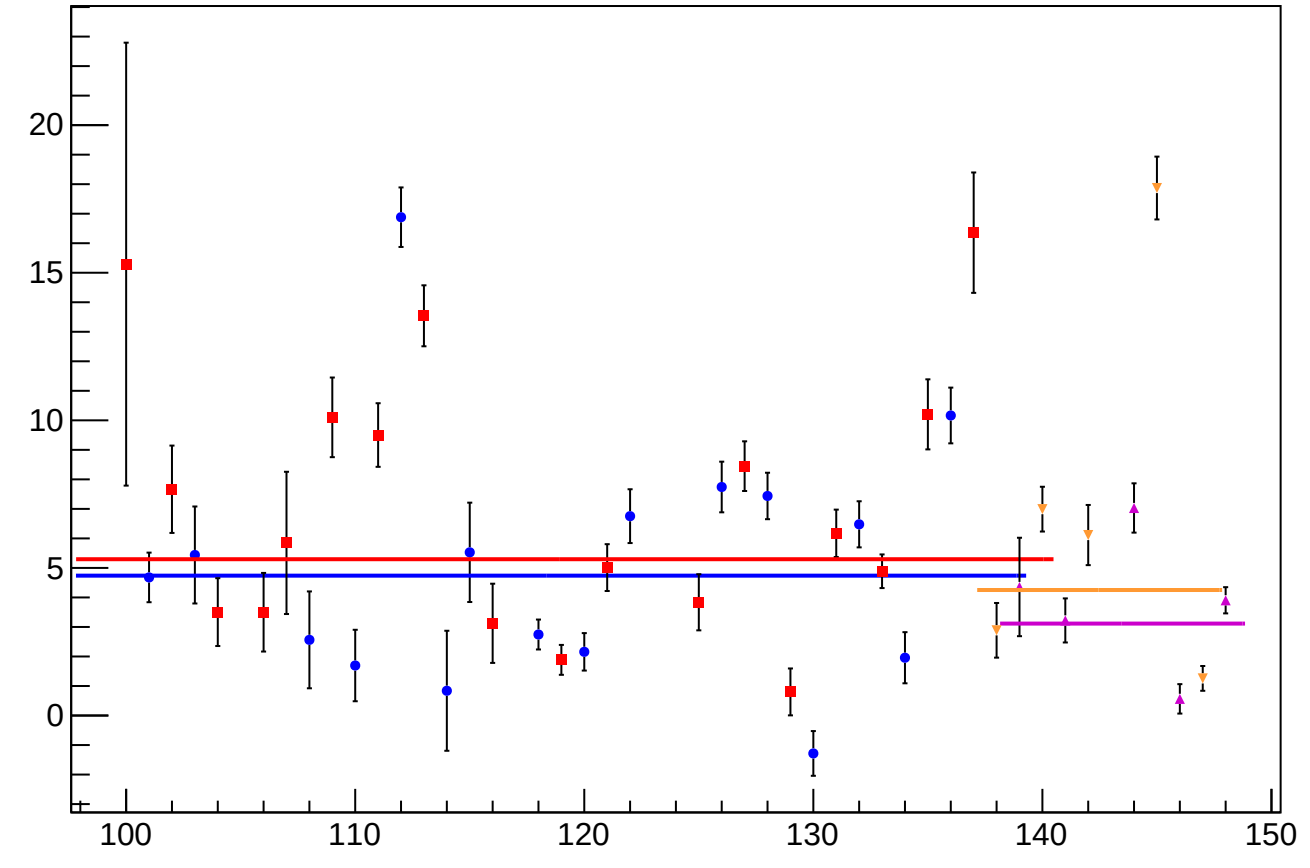
Left: -45.585+/-0.316 χ^2/NDF: 588.2/9

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -35.559+/-0.195 χ^2/NDF:1787.7/20

Out: -35.931+/-0.195 χ^2/NDF:2158.4/22

All: -35.745+/-0.138 χ^2/NDF: 3947.9/43



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 4.252+/-0.310 χ^2/NDF:233.2/4

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 3.115+/-0.281 χ^2/NDF:51.9/4

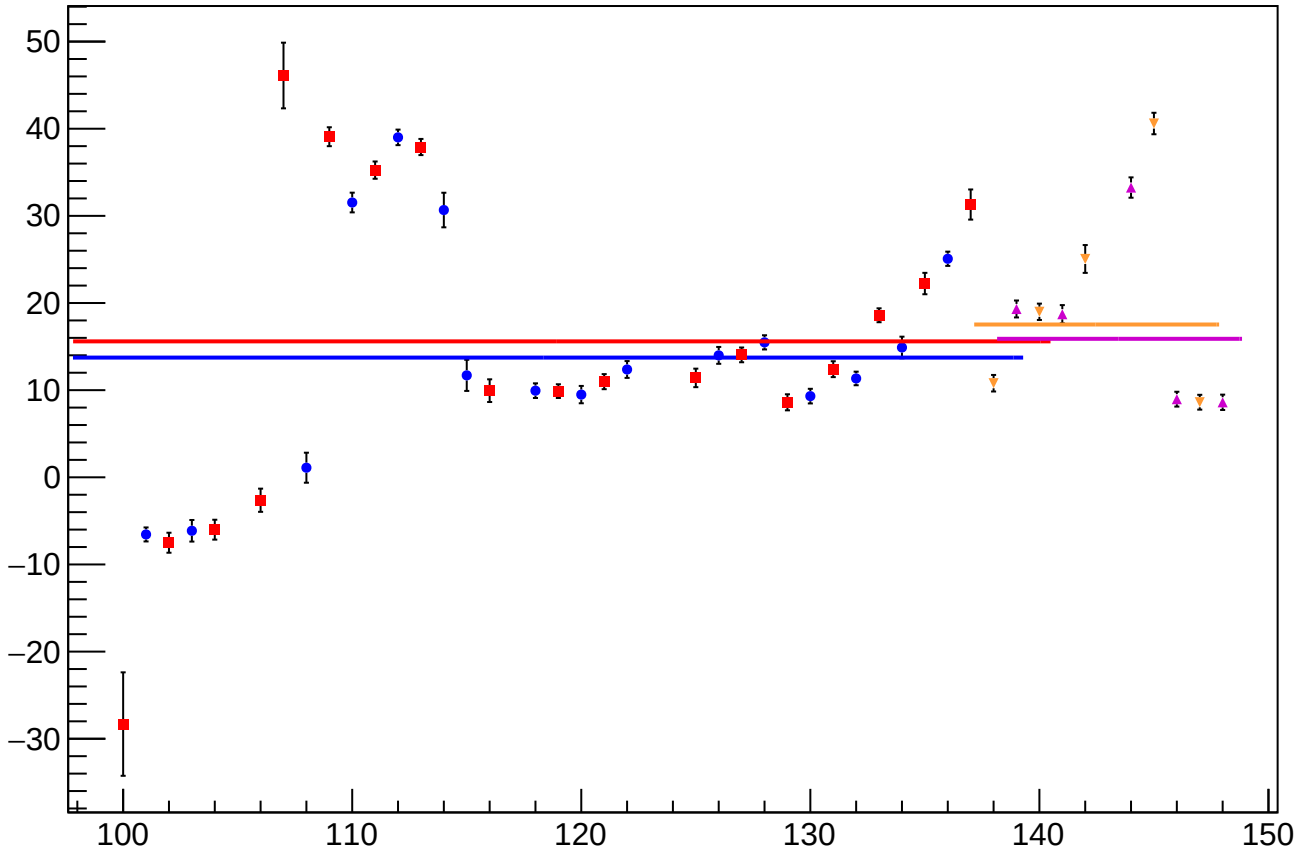
Left: 3.628+/-0.208 χ^2/NDF: 292.5/9

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.124+/-0.173 χ^2/NDF:402.3/20

Out: 4.938+/-0.181 χ^2/NDF:485.7/22

All: 4.512+/-0.125 χ^2/NDF: 898.5/43



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 17.534+/-0.462 χ^2/NDF:535.1/4

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 15.892+/-0.431 χ^2/NDF:375.5/4

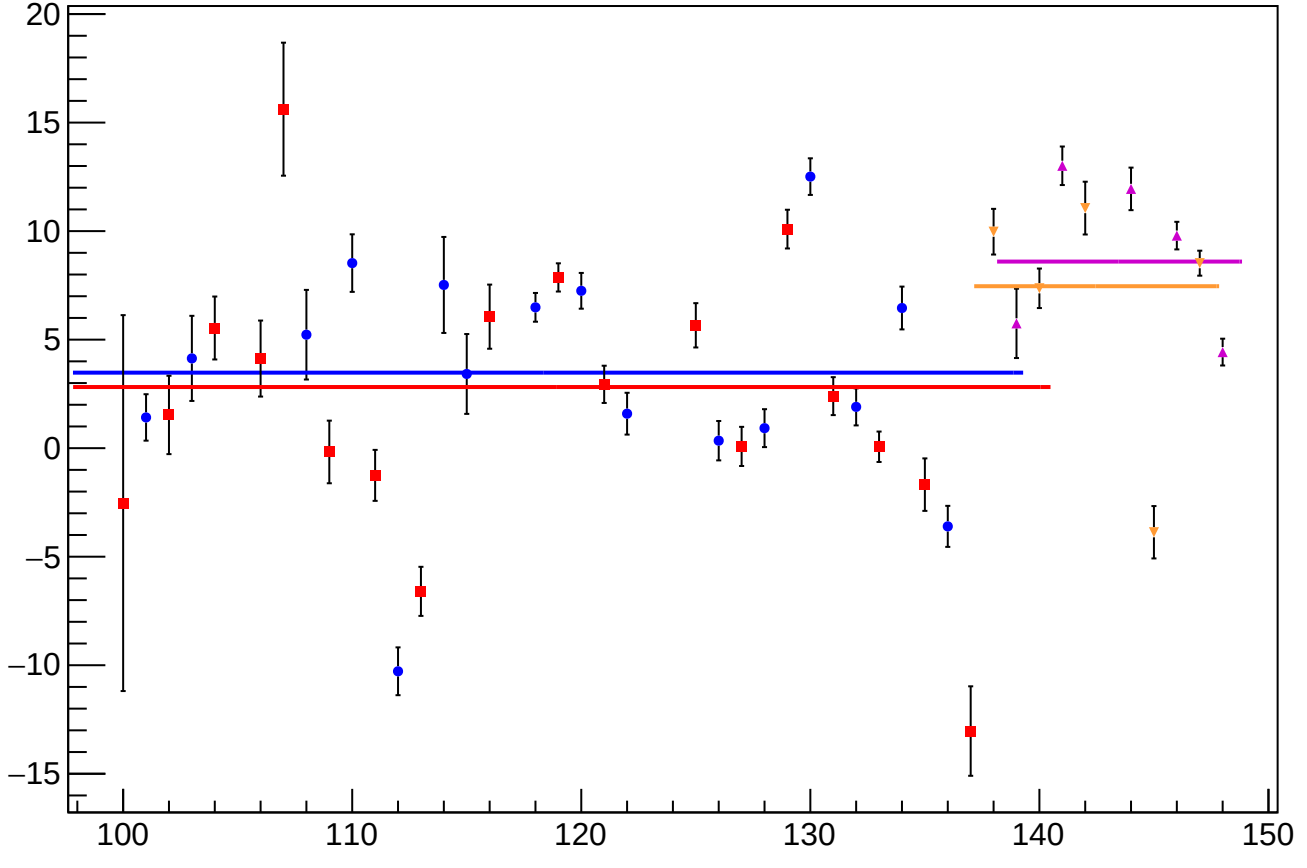
Left: 16.656+/-0.315 χ^2/NDF: 917.4/9

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.269+/-0.214 χ^2/NDF:2744.2/20

Out: 16.037+/-0.220 χ^2/NDF:3375.0/22

All: 15.129+/-0.153 χ^2/NDF: 6152.3/43



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.461+/-0.392 χ^2/NDF:106.2/4

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 8.597+/-0.358 χ^2/NDF:88.7/4

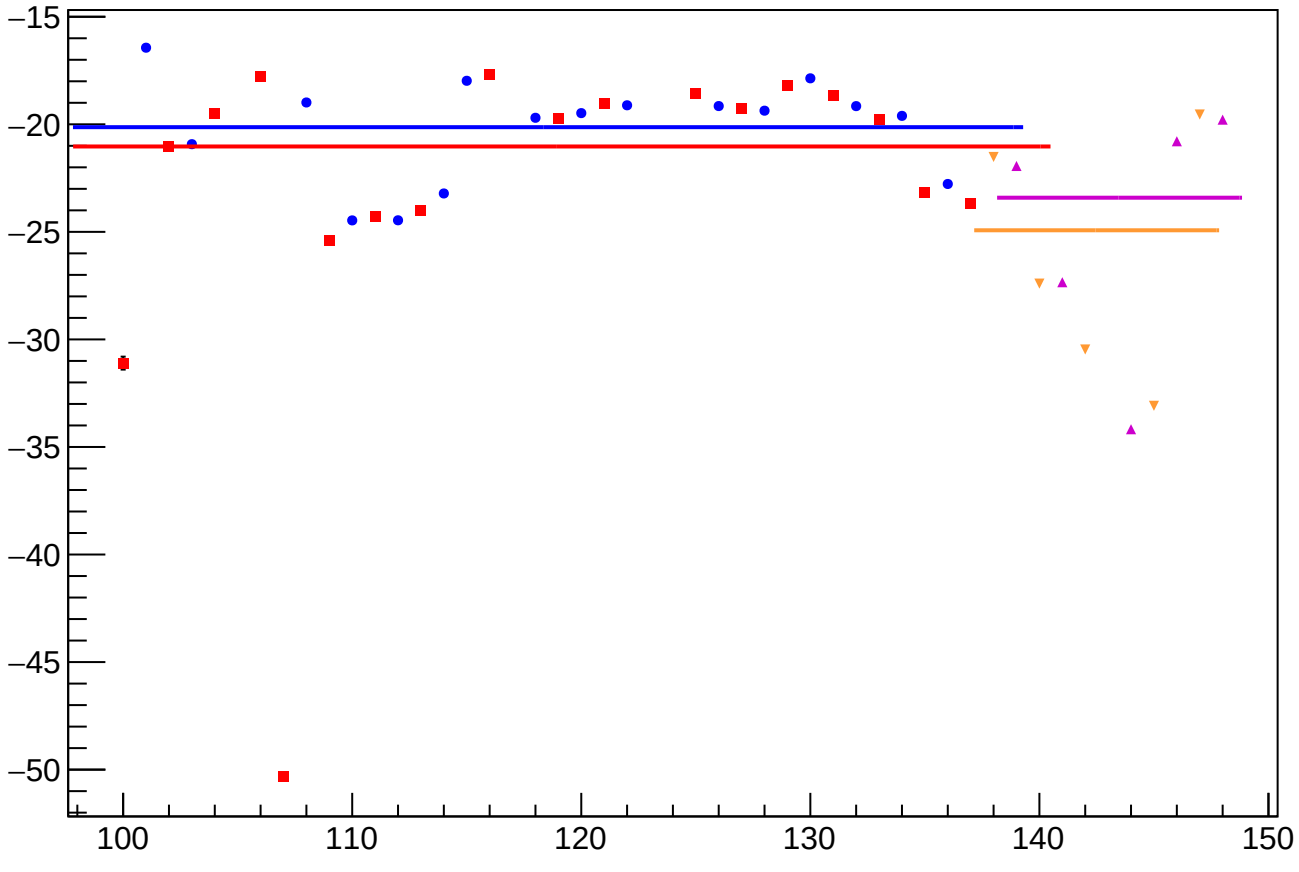
Left: 8.081+/-0.264 χ^2/NDF: 199.5/9

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.190+/-0.207 χ^2/NDF:652.4/20

Out: 4.213+/-0.215 χ^2/NDF:549.4/22

All: 4.720+/-0.149 χ^2/NDF: 1212.5/43



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -24.927+/-0.019 χ^2/NDF:67281.4/4

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -23.412+/-0.017 χ^2/NDF:67878.2/4

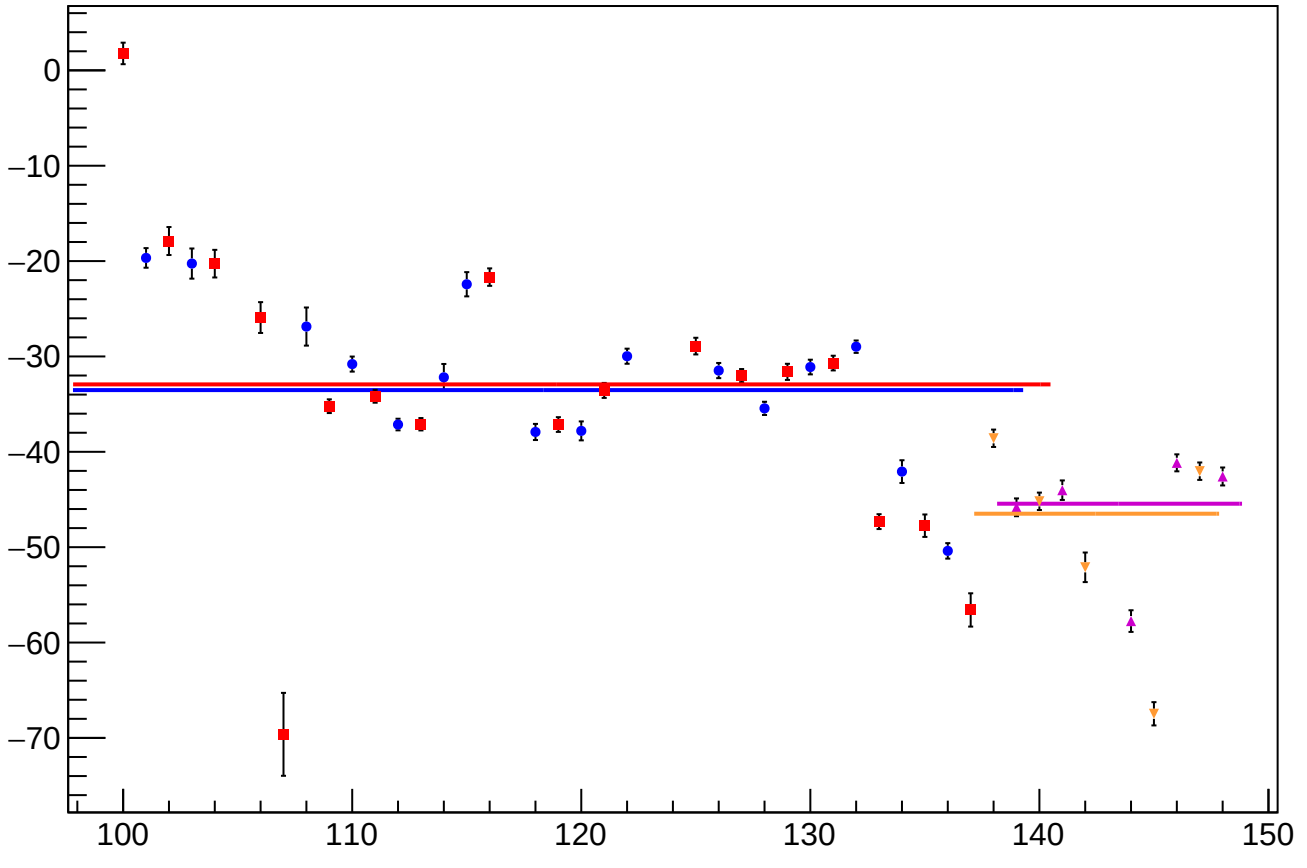
Left: -24.086+/-0.013 χ^2/NDF: 138512.0/9

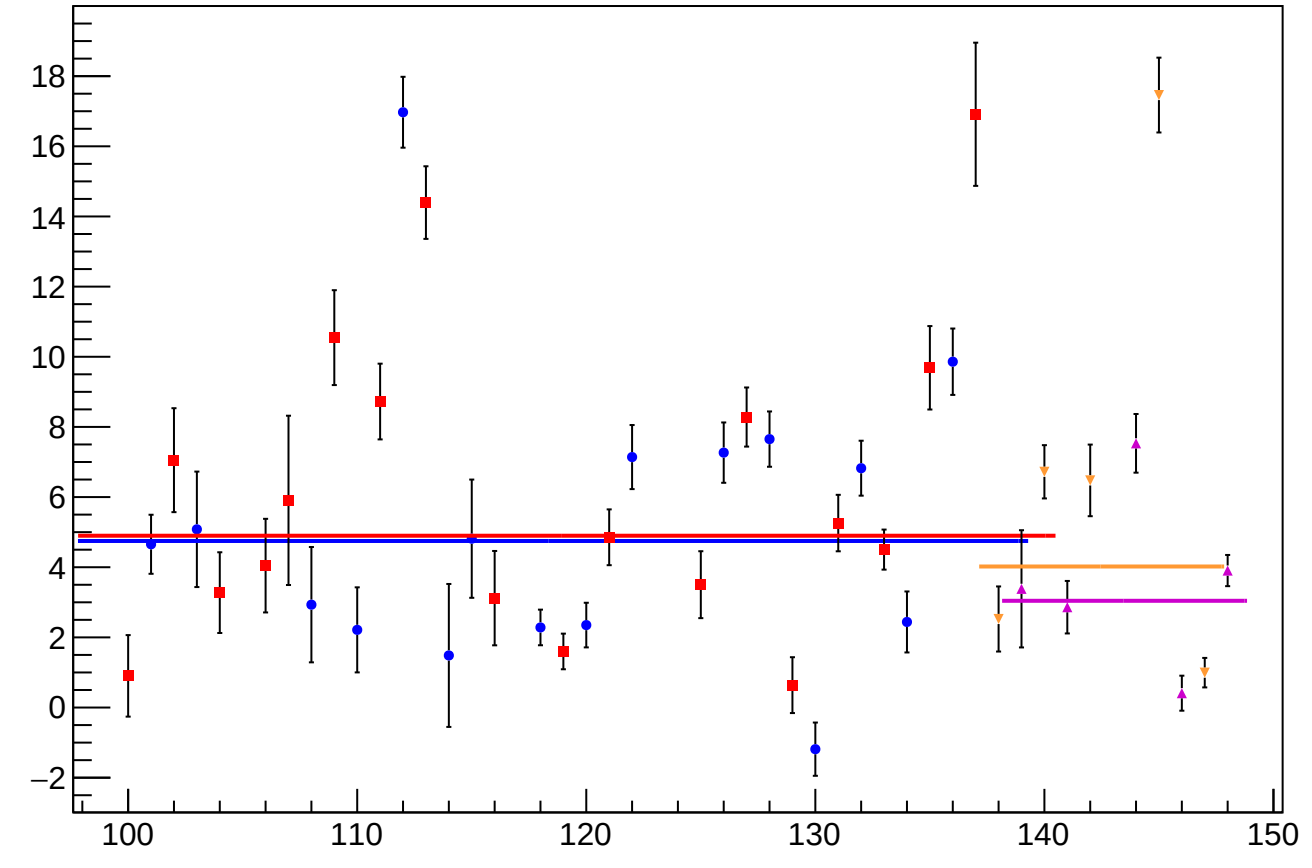
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.632+/-0.012 χ^2/NDF:106874.5/20

Out: -22.652+/-0.013 χ^2/NDF:148138.3/22

All: -22.110+/-0.009 χ^2/NDF: 258509.7/43


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -46.491+/-0.462 χ²/NDF:410.0/4
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -45.443+/-0.436 χ²/NDF:151.9/4
Left: -45.937+/-0.317 χ²/NDF: 564.6/9
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -35.921+/-0.195 χ²/NDF:1758.0/20
Out: -35.284+/-0.192 χ²/NDF:3292.7/22
All: -35.598+/-0.137 χ²/NDF: 5056.0/43



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 4.021+/-0.310 χ^2/NDF:231.6/4

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 3.043+/-0.281 χ^2/NDF:60.5/4

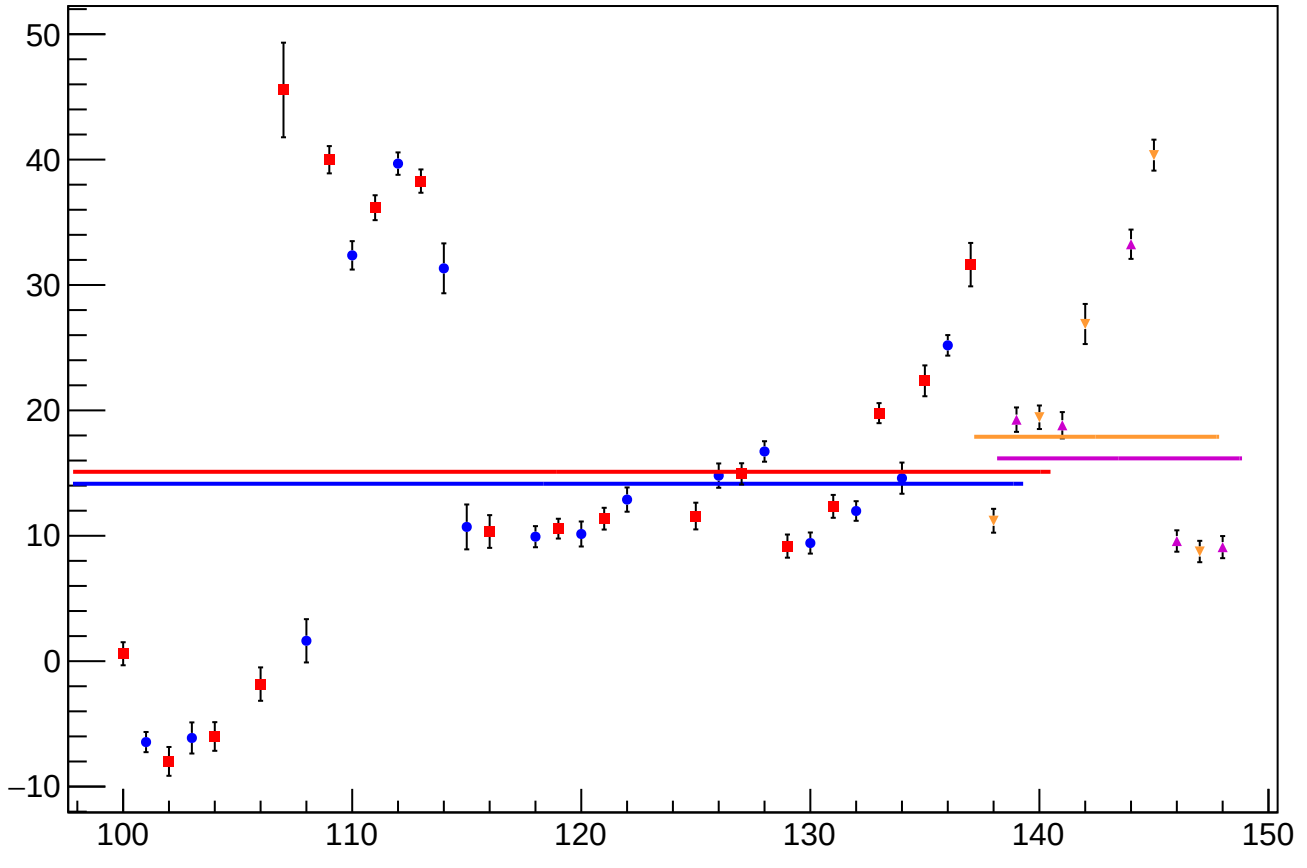
Left: 3.484+/-0.208 χ^2/NDF: 297.6/9

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.102+/-0.173 χ^2/NDF:409.1/20

Out: 4.605+/-0.179 χ^2/NDF:510.0/22

All: 4.345+/-0.125 χ^2/NDF: 923.1/43



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 17.897+/-0.463 χ^2/NDF:530.0/4

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 16.173+/-0.432 χ^2/NDF:353.9/4

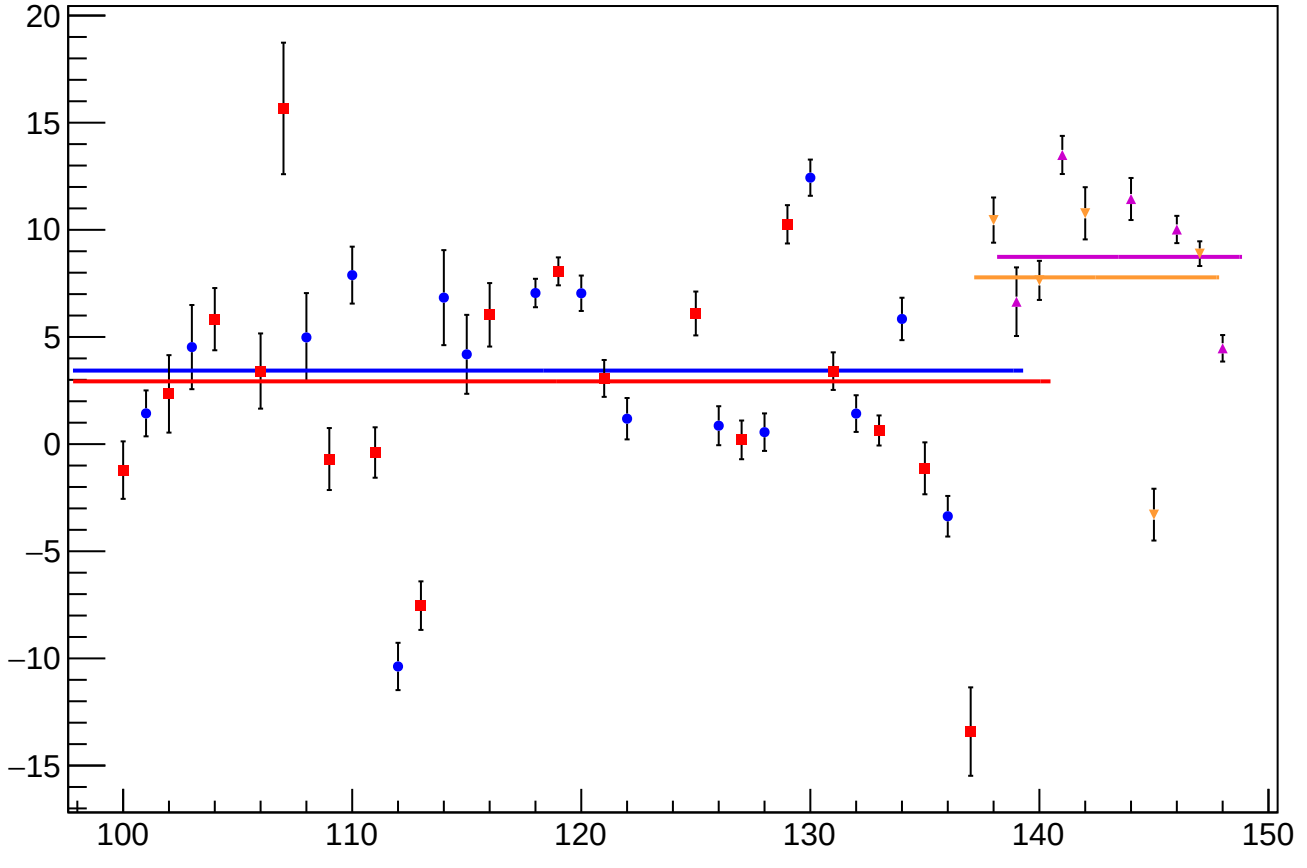
Left: 16.976+/-0.316 χ^2/NDF: 891.3/9

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.648+/-0.215 χ^2/NDF:2772.8/20

Out: 15.703+/-0.214 χ^2/NDF:3660.9/22

All: 15.176+/-0.152 χ^2/NDF: 6445.8/43



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 7.782+/-0.393 χ^2/NDF:100.0/4

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 8.738+/-0.359 χ^2/NDF:89.5/4

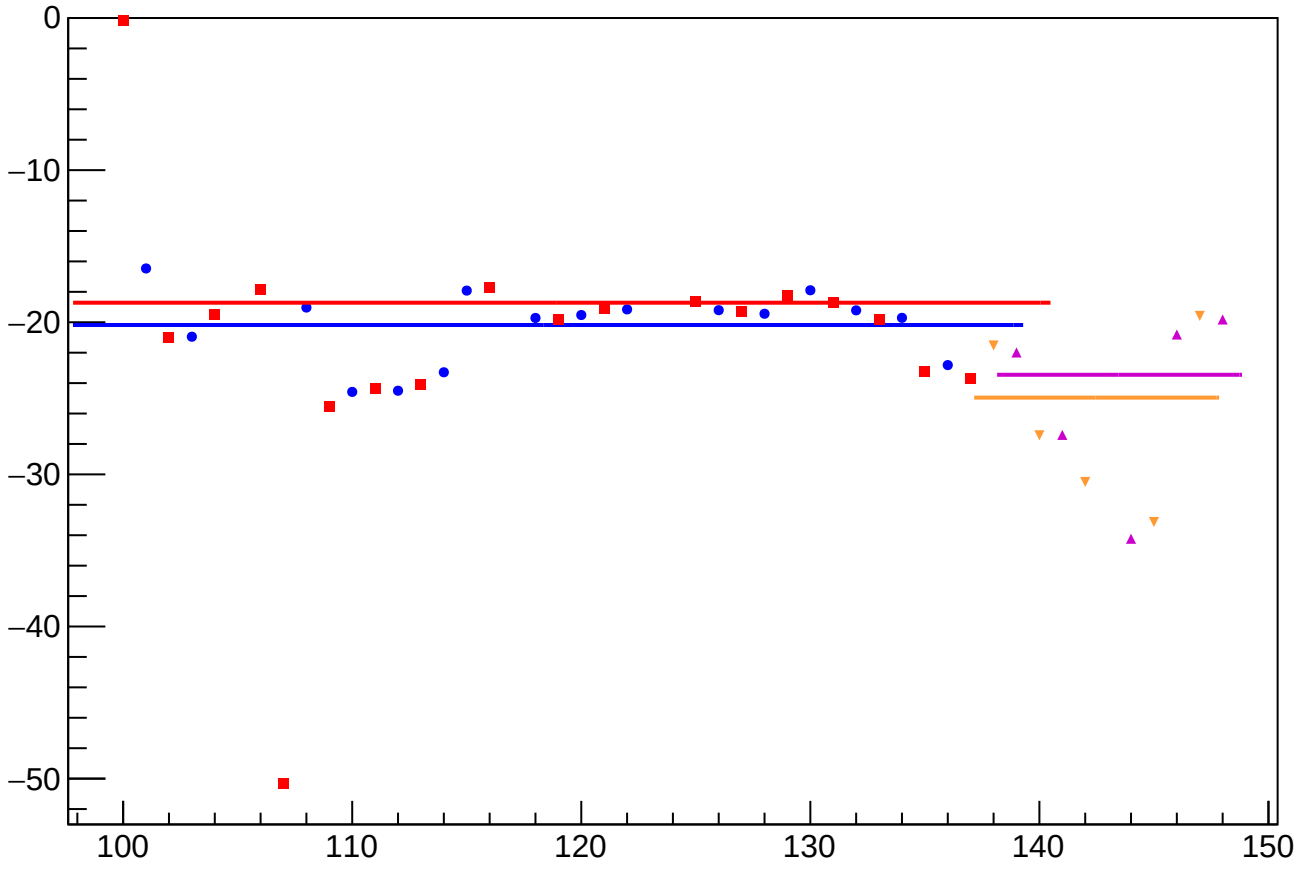
Left: 8.304+/-0.265 χ^2/NDF: 192.7/9

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.206+/-0.207 χ^2/NDF:659.2/20

Out: 4.353+/-0.213 χ^2/NDF:575.4/22

All: 4.791+/-0.149 χ^2/NDF: 1242.8/43



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -24.954+/-0.020 χ^2/NDF:67154.0/4

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -23.453+/-0.017 χ^2/NDF:67982.4/4

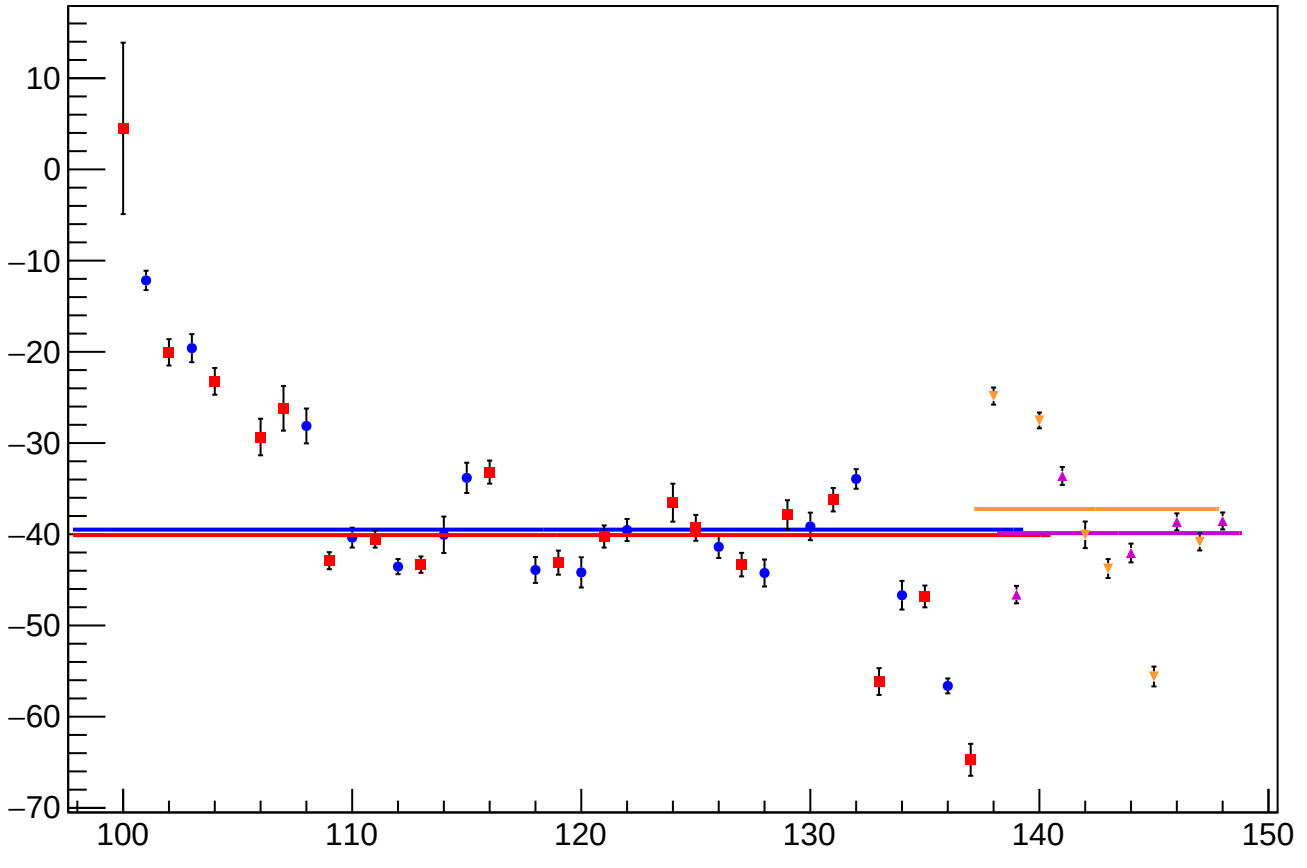
Left: -24.121+/-0.013 χ^2/NDF: 138418.8/9

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.677+/-0.012 χ^2/NDF:106848.8/20

Out: -21.139+/-0.012 χ^2/NDF:364275.8/22

All: -21.416+/-0.008 χ^2/NDF: 472130.2/43



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.227+/-0.414 χ^2/NDF:642.0/5

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -39.873+/-0.431 χ^2/NDF:98.8/4

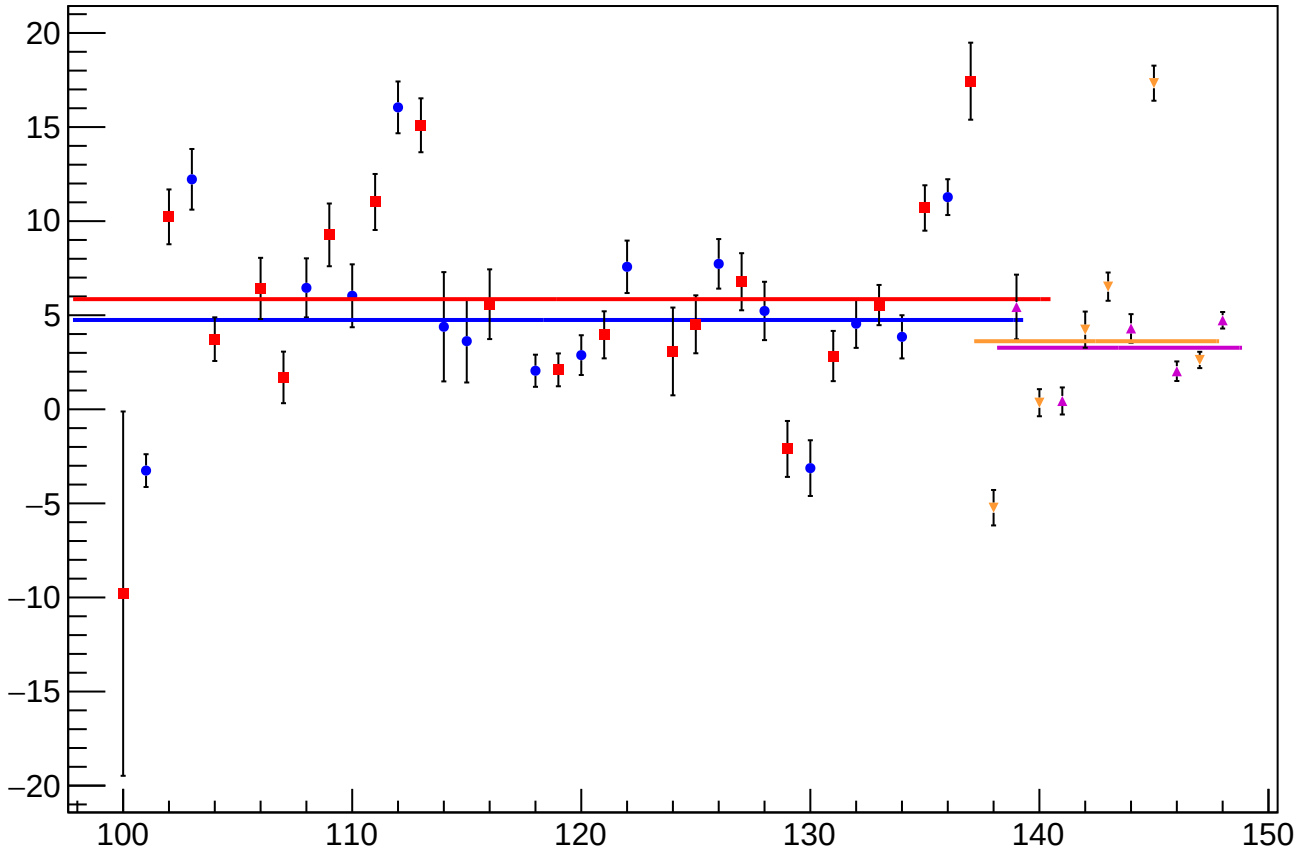
Left: -38.496+/-0.298 χ^2/NDF: 760.4/10

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.623+/-0.252 χ^2/NDF:1516.3/20

Out: -39.073+/-0.247 χ^2/NDF:1507.8/24

All: -39.342+/-0.176 χ^2/NDF: 3026.5/45



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.619+/-0.284 χ^2/NDF:345.8/5

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 3.271+/-0.279 χ^2/NDF:35.7/4

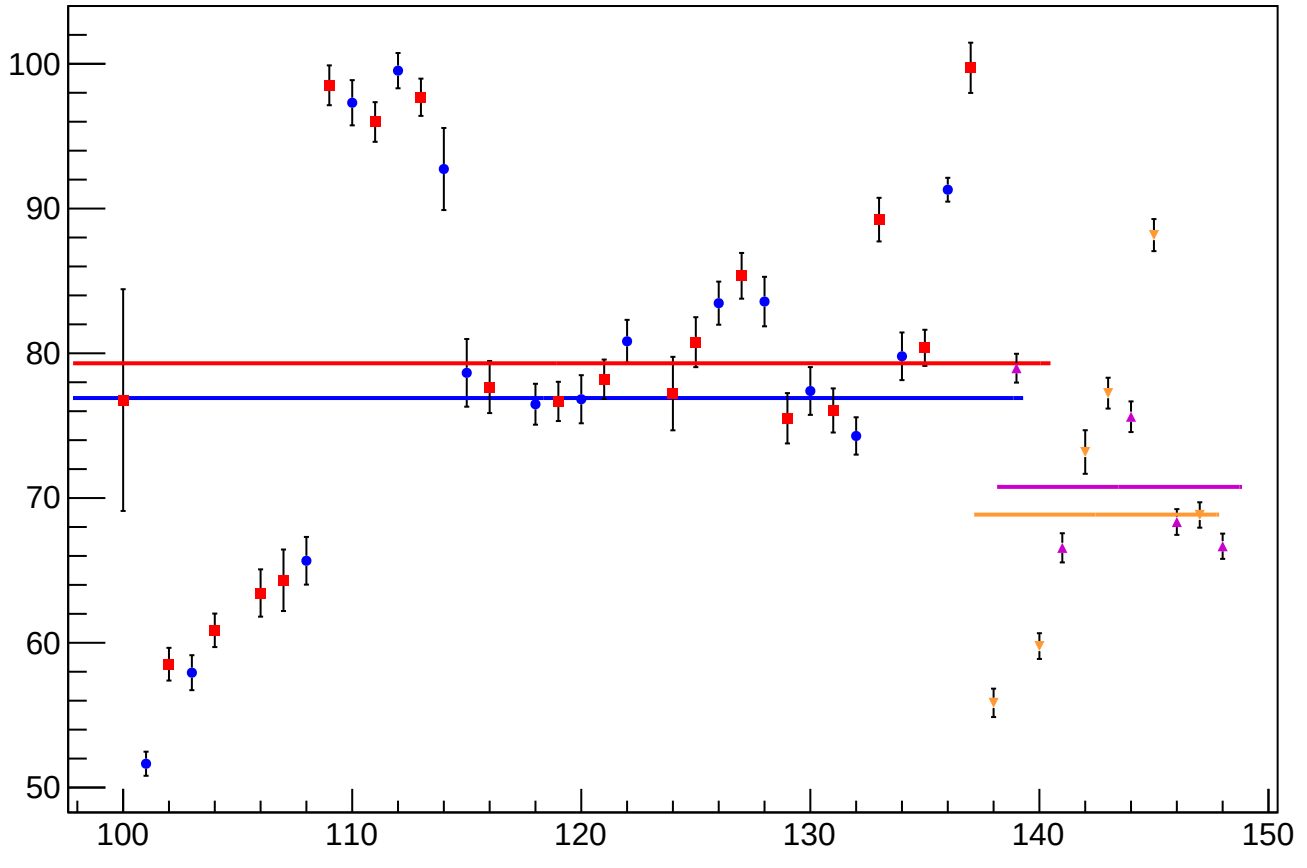
Left: 3.442+/-0.199 χ^2/NDF: 382.2/10

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.917+/-0.209 χ^2/NDF:321.8/20

Out: 4.590+/-0.214 χ^2/NDF:560.3/24

All: 4.246+/-0.149 χ^2/NDF: 887.2/45



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 68.856+/-0.417 χ^2/NDF:653.9/5

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 70.771+/-0.428 χ^2/NDF:135.8/4

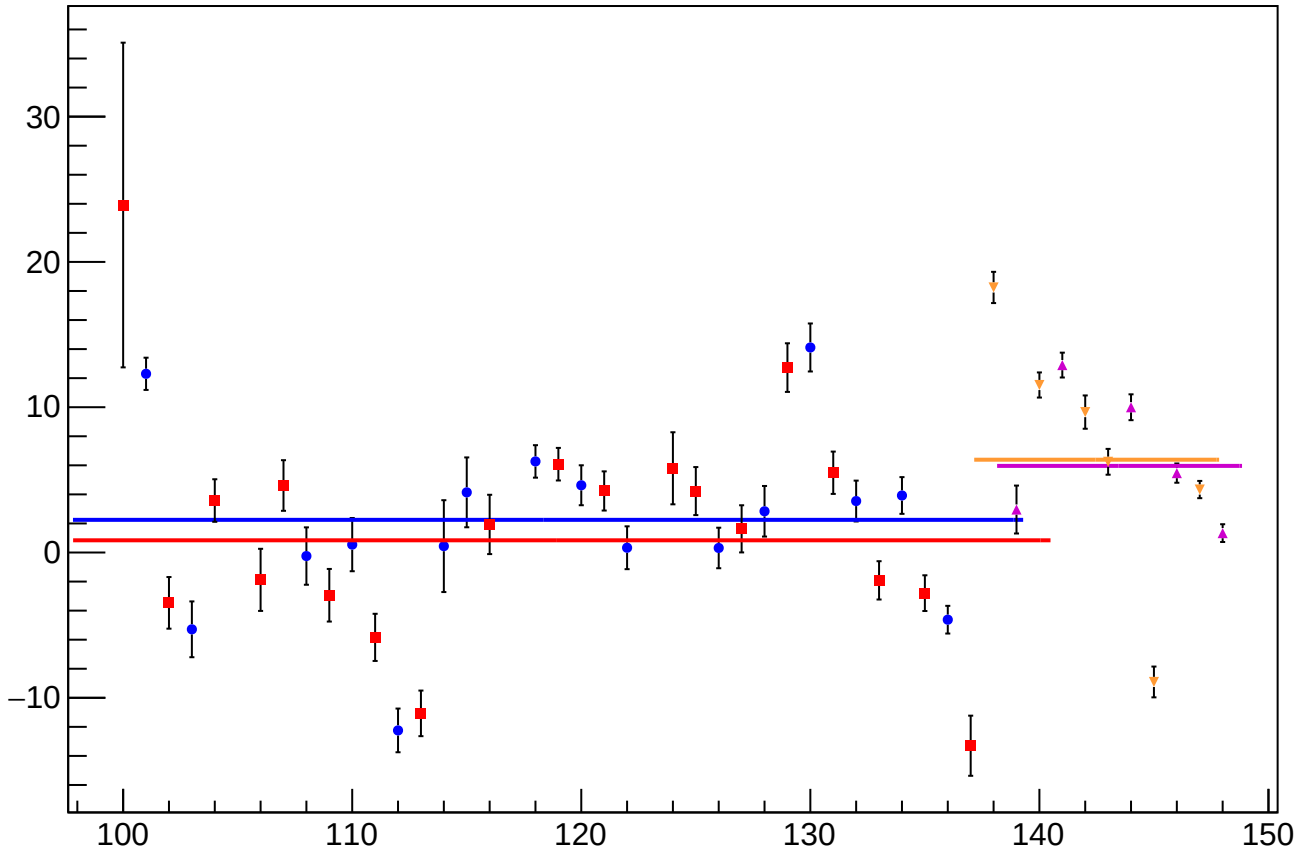
Left: 69.790+/-0.299 χ^2/NDF: 800.0/10

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 74.560+/-0.265 χ^2/NDF:2378.8/20

Out: 75.027+/-0.267 χ^2/NDF:2520.4/24

All: 74.791+/-0.188 χ^2/NDF: 4900.8/45



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 6.387+/-0.354 χ^2/NDF:385.6/5

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 5.962+/-0.355 χ^2/NDF:147.5/4

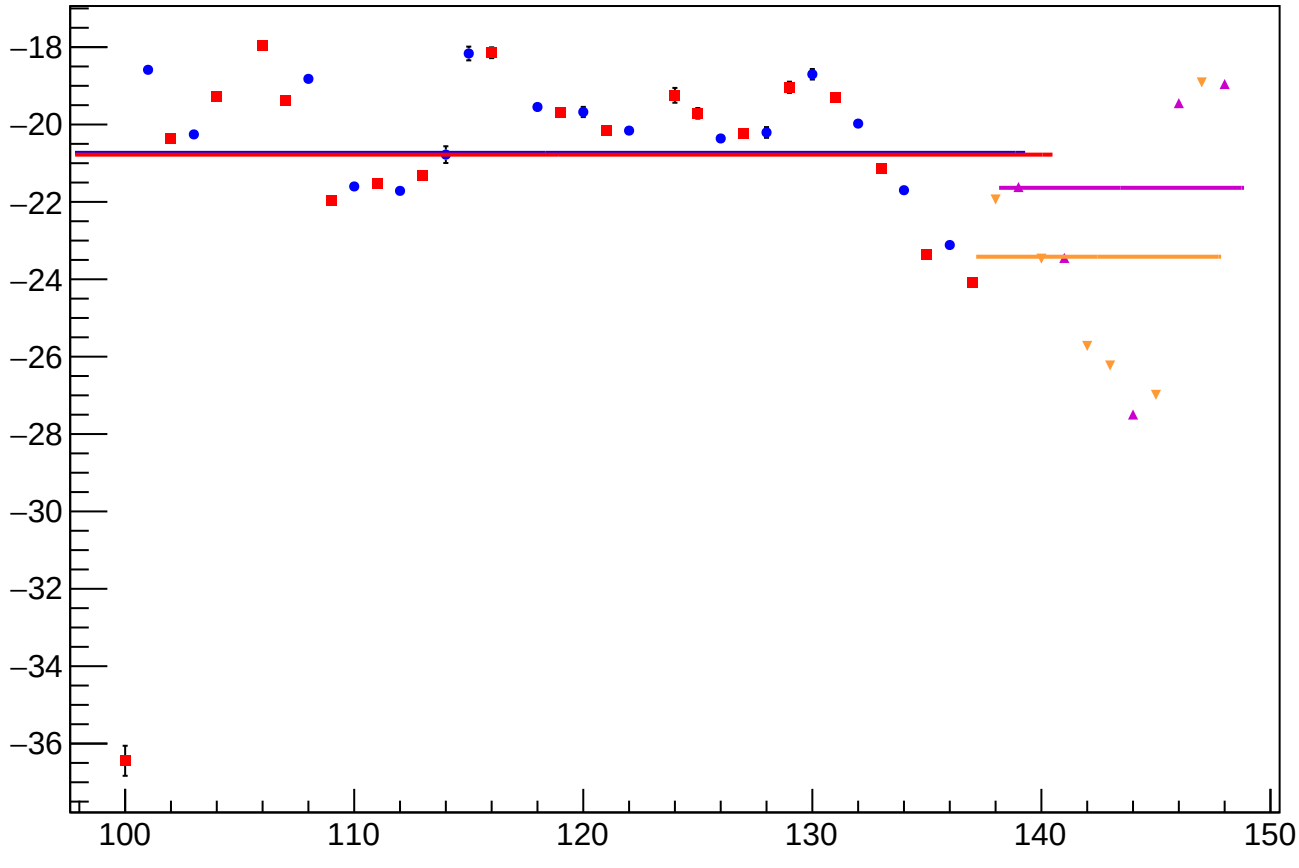
Left: 6.175+/-0.251 χ^2/NDF: 533.8/10

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.148+/-0.254 χ^2/NDF:520.6/20

Out: 3.748+/-0.257 χ^2/NDF:758.3/24

All: 3.950+/-0.180 χ^2/NDF: 1280.1/45



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -23.417+/-0.018 χ^2/NDF:26819.1/5

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -21.636+/-0.017 χ^2/NDF:26247.6/4

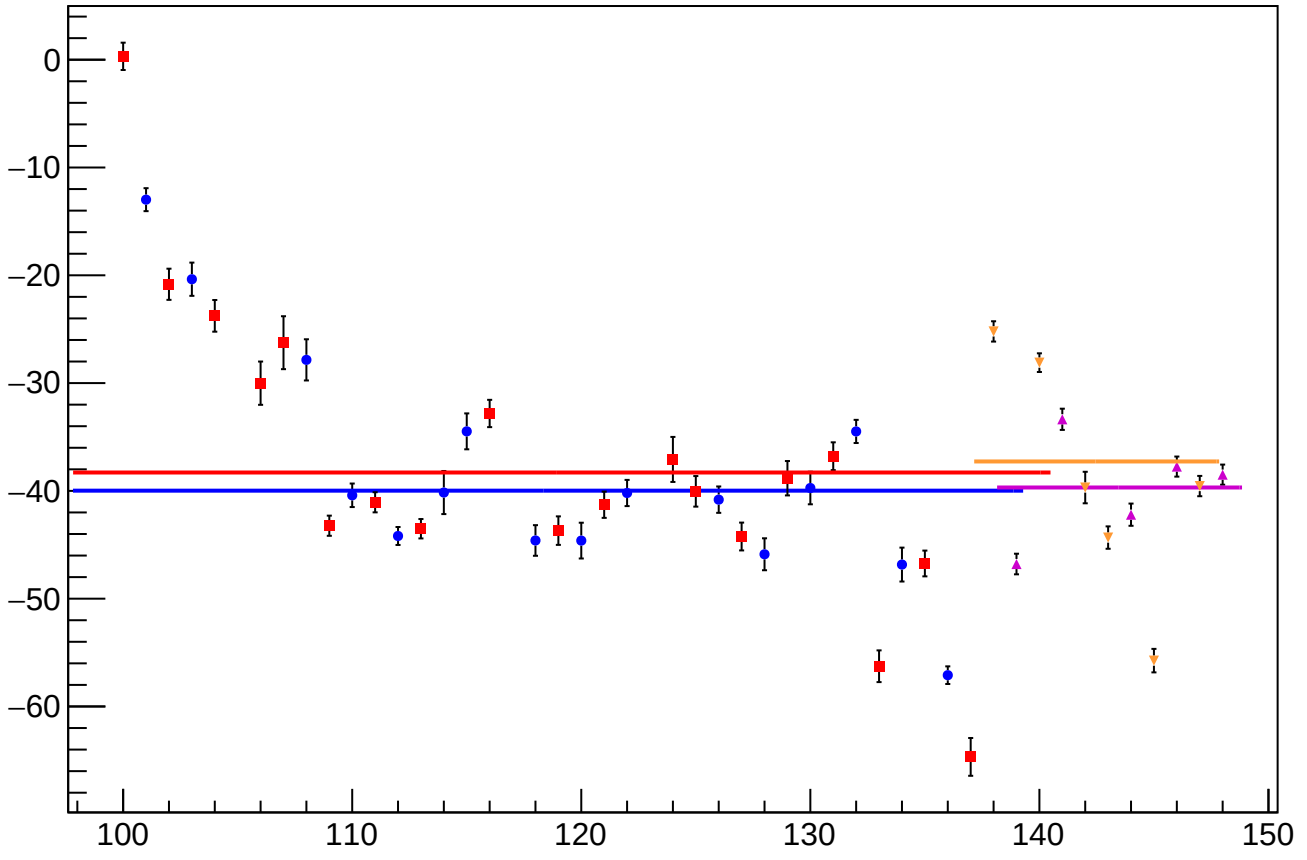
Left: -22.516+/-0.012 χ^2/NDF: 58260.5/10

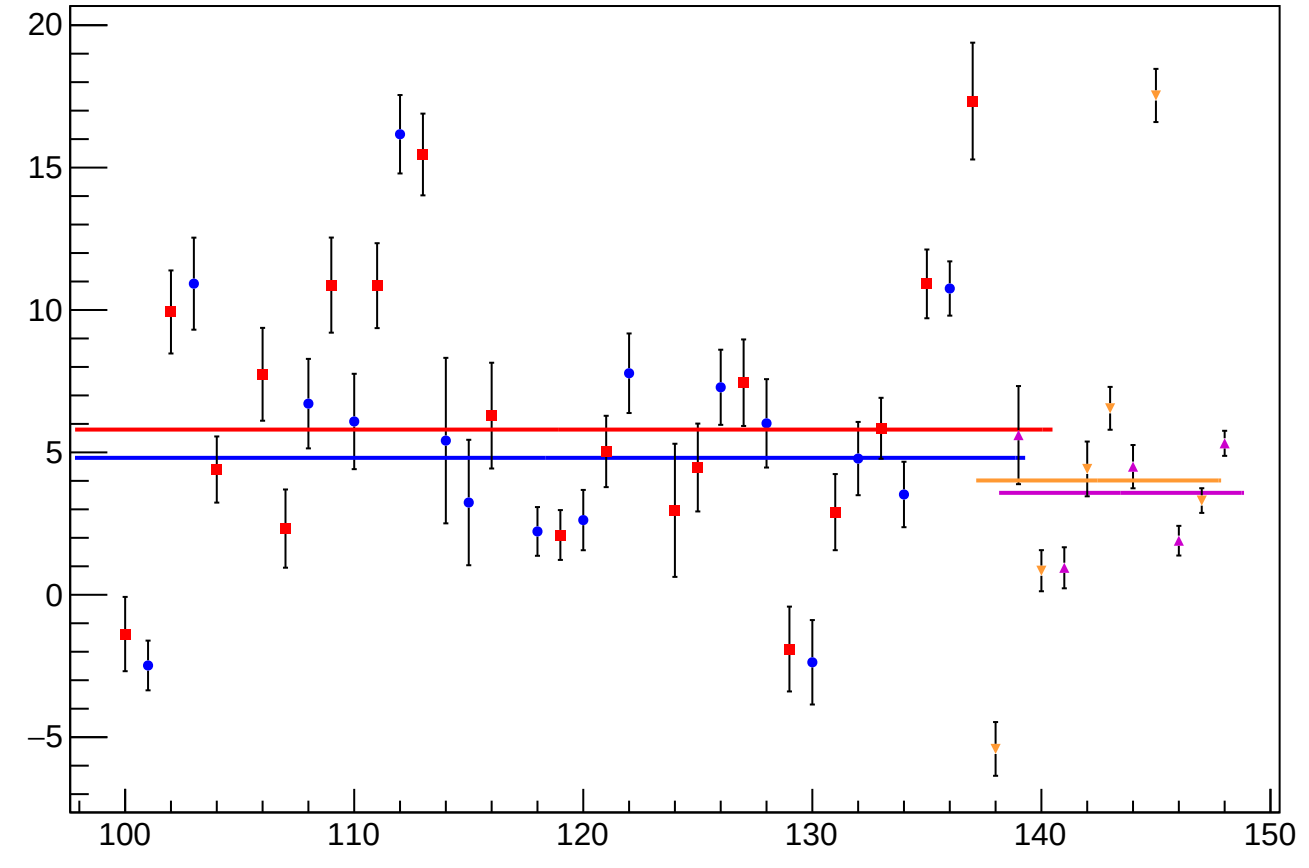
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

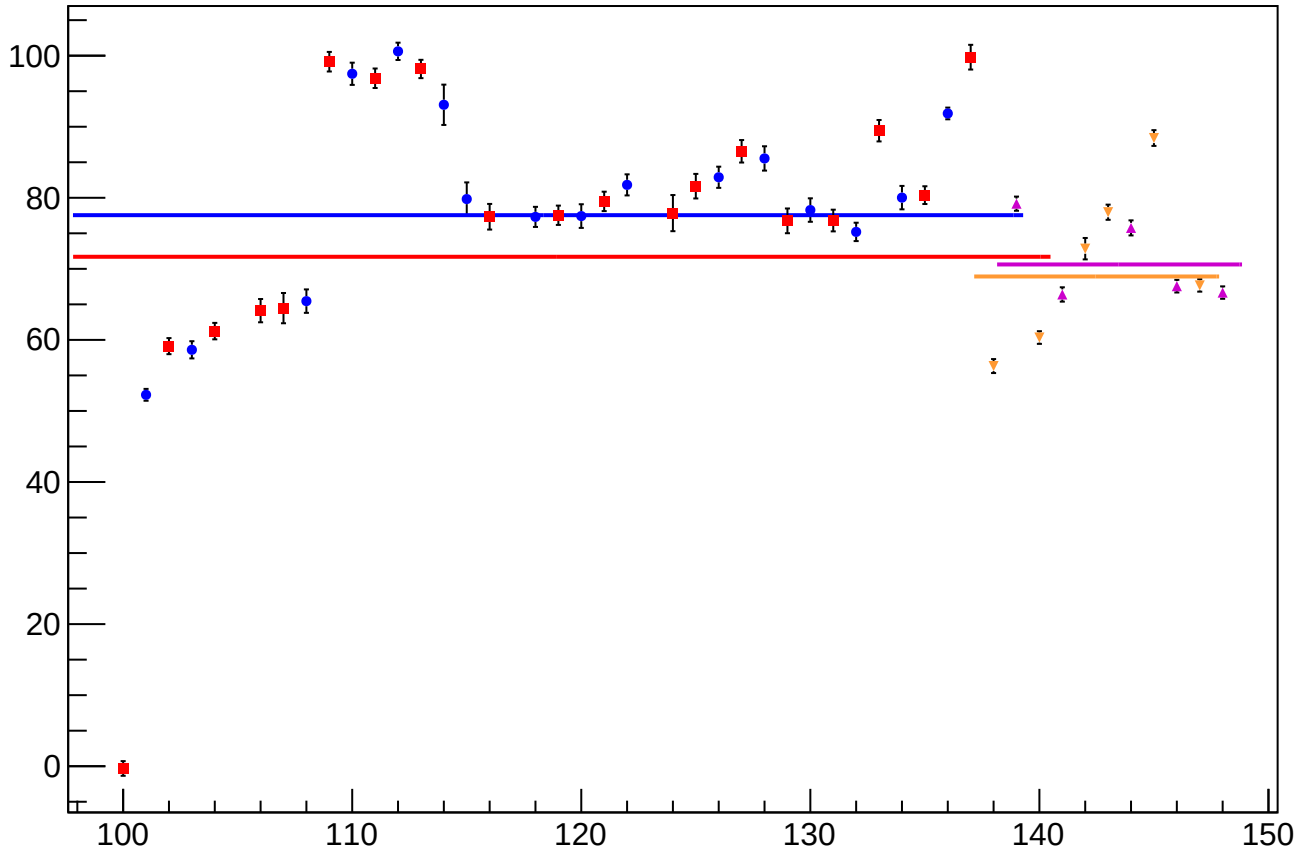
In: -21.234+/-0.013 χ^2/NDF:35083.8/20

Out: -22.279+/-0.013 χ^2/NDF:45963.8/24

All: -21.745+/-0.009 χ^2/NDF: 84228.3/45


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -37.270+/-0.414 χ²/NDF:617.9/5
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -39.686+/-0.432 χ²/NDF:108.3/4
Left: -38.429+/-0.299 χ²/NDF: 742.5/10
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -39.879+/-0.252 χ²/NDF:1507.0/20
Out: -37.944+/-0.243 χ²/NDF:2395.7/24
All: -38.873+/-0.175 χ²/NDF: 3933.3/45


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 4.014+/-0.284 χ²/NDF:342.9/5
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 3.579+/-0.279 χ²/NDF:42.2/4
Left: 3.792+/-0.199 χ²/NDF: 386.3/10
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.117+/-0.209 χ²/NDF:291.1/20
Out: 4.816+/-0.211 χ²/NDF:577.1/24
All: 4.464+/-0.149 χ²/NDF: 873.8/45



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 68.924+/-0.418 χ^2/NDF:646.4/5

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 70.617+/-0.429 χ^2/NDF:146.8/4

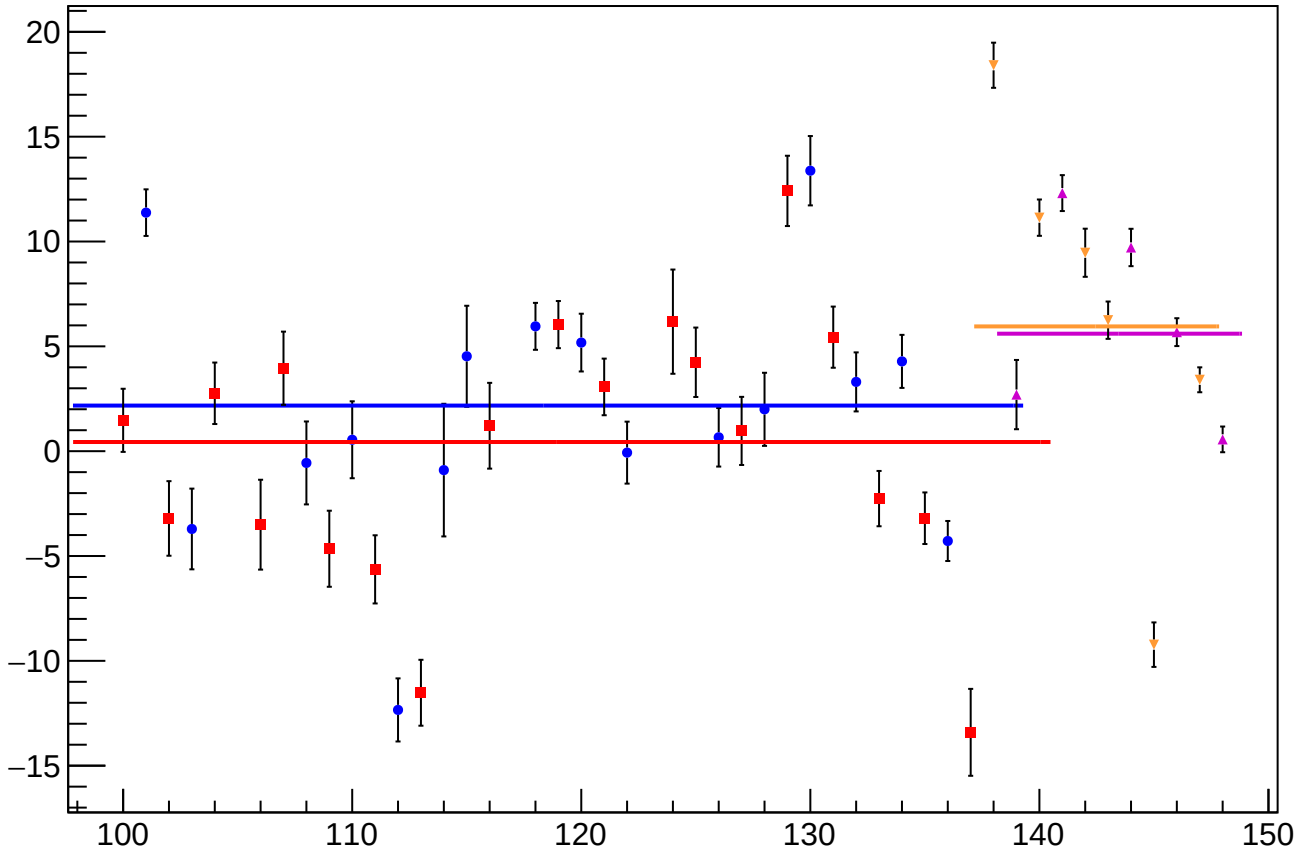
Left: 69.749+/-0.299 χ^2/NDF: 801.2/10

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 74.901+/-0.265 χ^2/NDF:2426.8/20

Out: 70.632+/-0.259 χ^2/NDF:7577.0/24

All: 72.719+/-0.185 χ^2/NDF: 10136.3/45



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.951+/-0.355 χ^2/NDF:402.2/5

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 5.604+/-0.355 χ^2/NDF:153.3/4

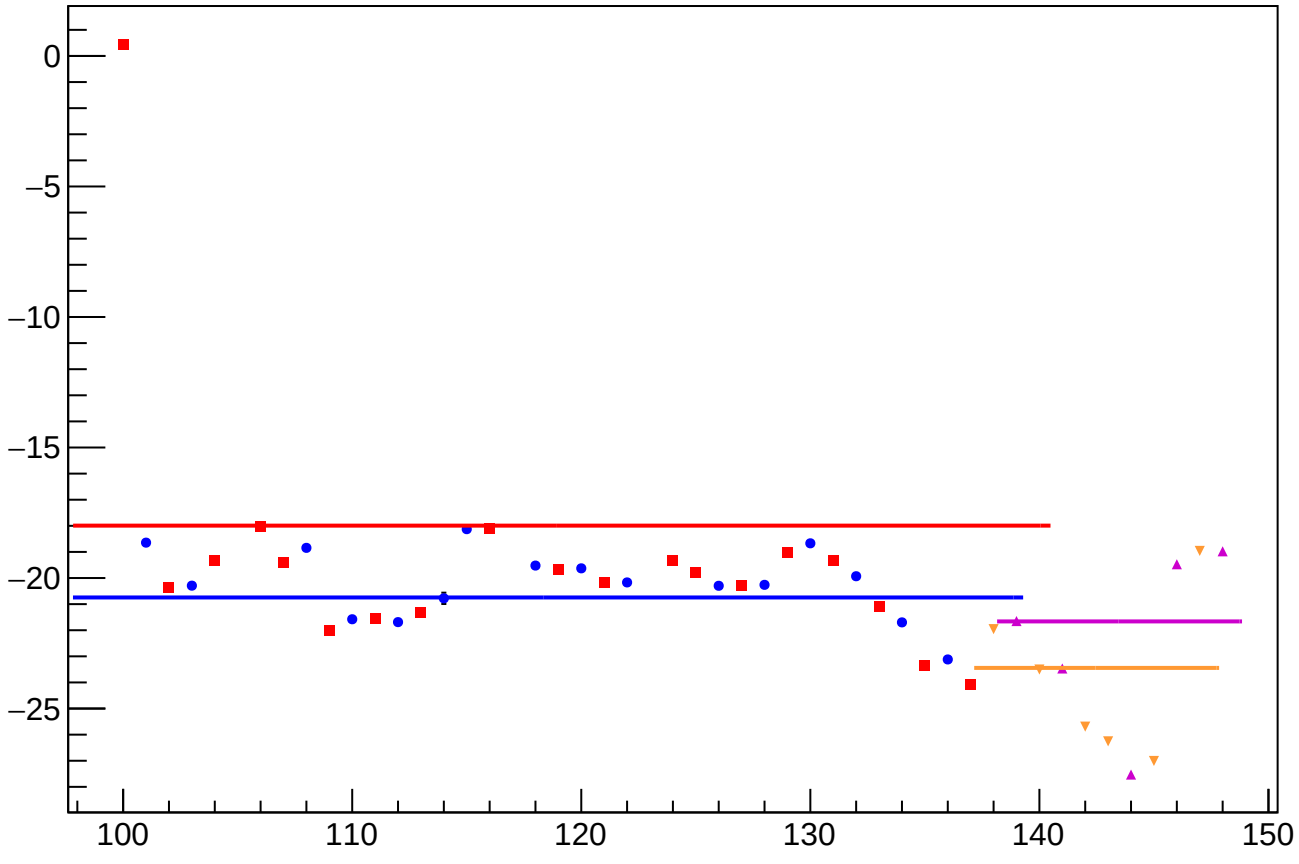
Left: 5.777+/-0.251 χ^2/NDF: 556.0/10

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.928+/-0.254 χ^2/NDF:489.1/20

Out: 3.248+/-0.253 χ^2/NDF:774.6/24

All: 3.587+/-0.179 χ^2/NDF: 1267.3/45



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -23.443+/-0.018 χ^2/NDF:26548.7/5

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -21.662+/-0.017 χ^2/NDF:26197.6/4

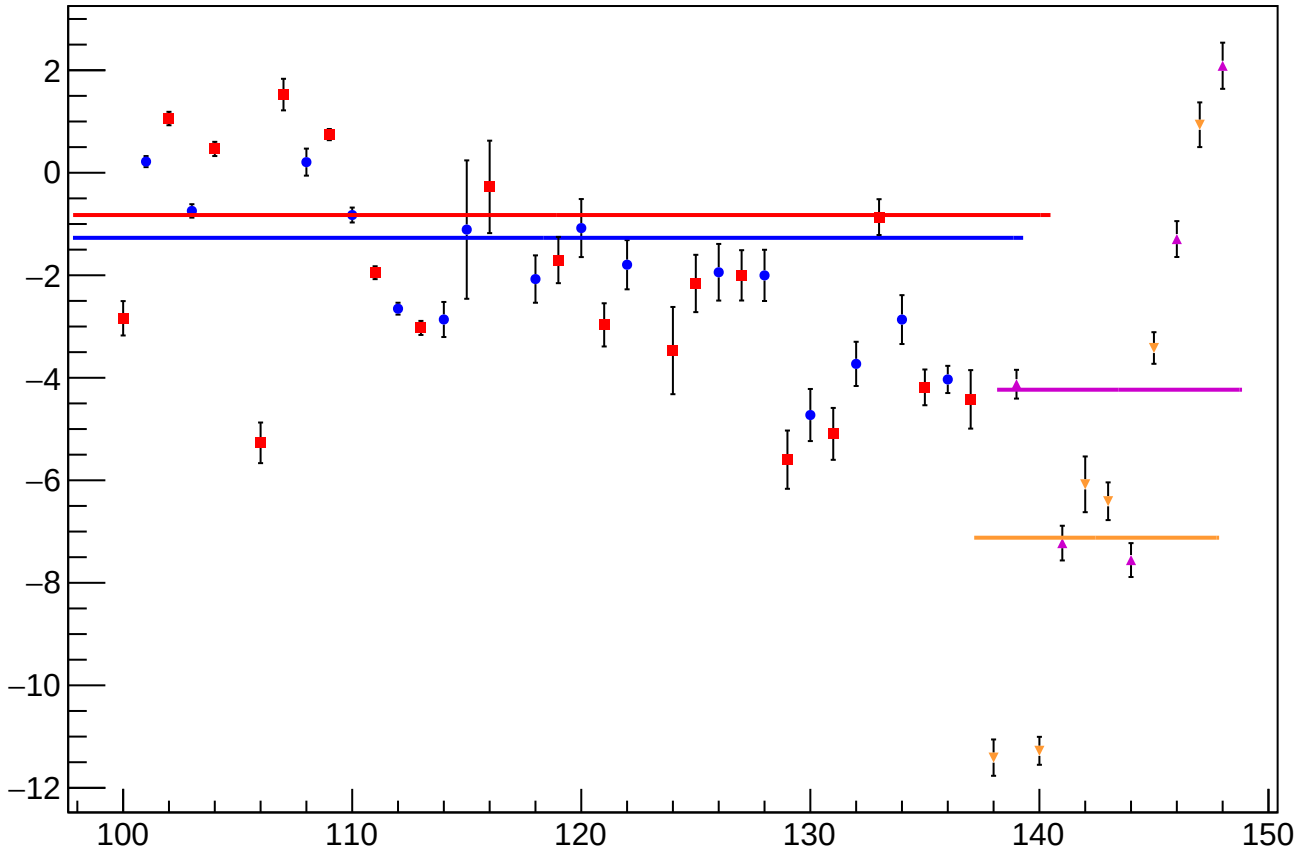
Left: -22.543+/-0.012 χ^2/NDF: 57921.6/10

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -21.254+/-0.013 χ^2/NDF:34946.8/20

Out: -20.908+/-0.013 χ^2/NDF:221709.7/24

All: -21.080+/-0.009 χ^2/NDF: 257014.5/45



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.120+/-0.144 χ^2/NDF:871.6/5

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -4.233+/-0.151 χ^2/NDF:446.7/4

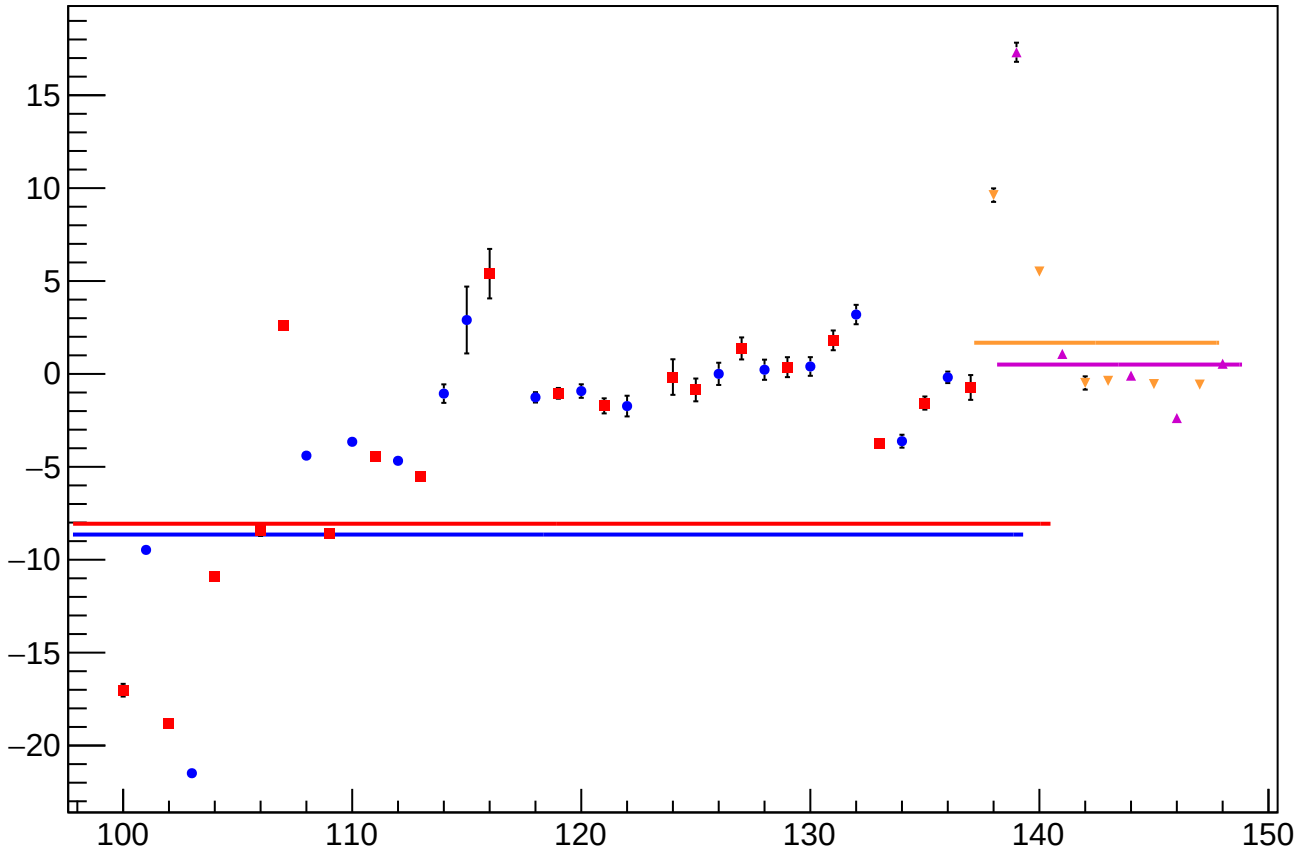
Left: -5.744+/-0.104 χ^2/NDF: 1508.7/10

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.610+/-0.051 χ^2/NDF:1402.5/20

Out: -1.524+/-0.048 χ^2/NDF:3944.6/24

All: -1.564+/-0.035 χ^2/NDF: 5348.5/45



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.679+/-0.107 χ^2/NDF:1046.7/5

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.504+/-0.112 χ^2/NDF:1258.9/4

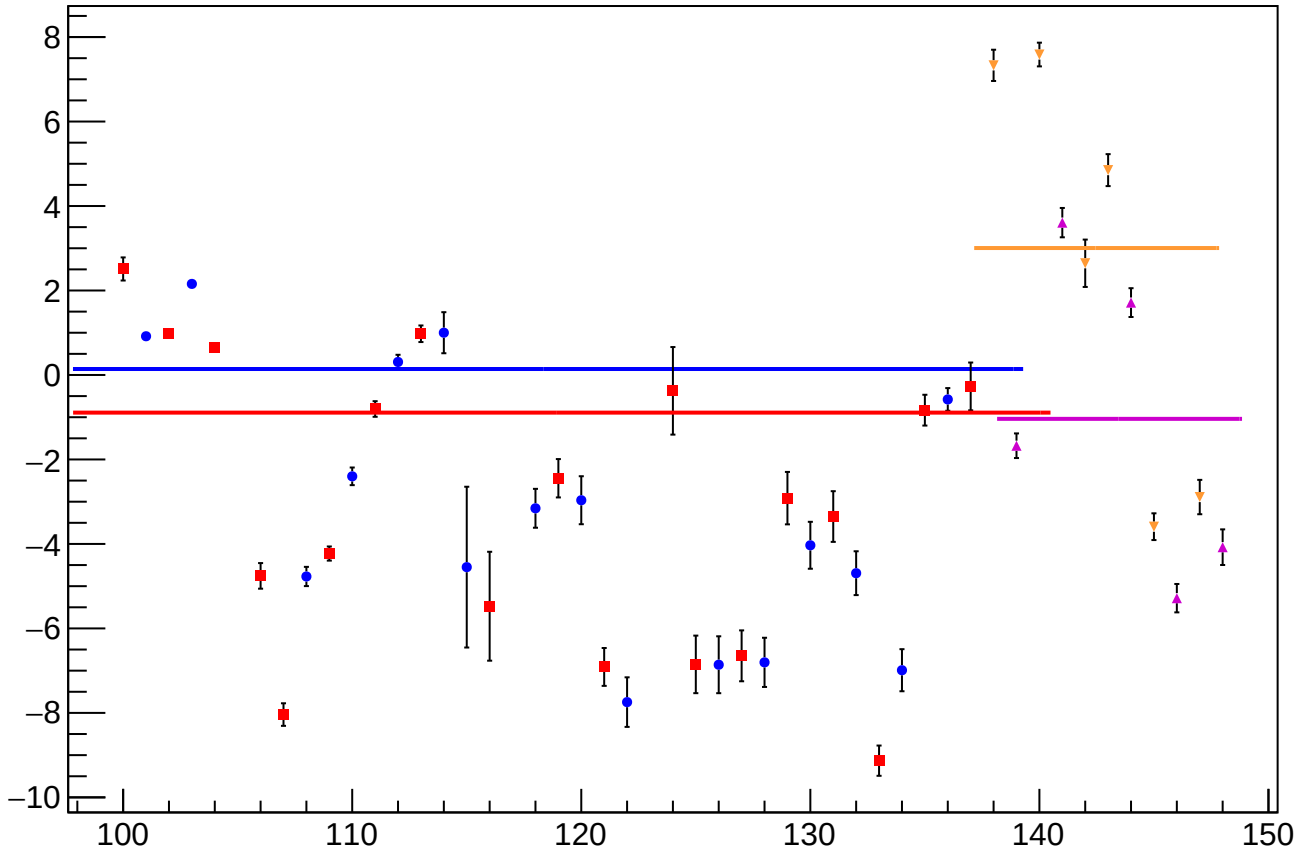
Left: 1.118+/-0.077 χ^2/NDF: 2363.1/10

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -6.765+/-0.051 χ^2/NDF:20391.3/20

Out: -5.881+/-0.051 χ^2/NDF:21901.3/24

All: -6.322+/-0.036 χ^2/NDF: 42444.4/45



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.005+/-0.147 χ^2/NDF:1071.9/5

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -1.039+/-0.152 χ^2/NDF:460.3/4

Left: 1.053+/-0.106 χ^2/NDF: 1897.0/10

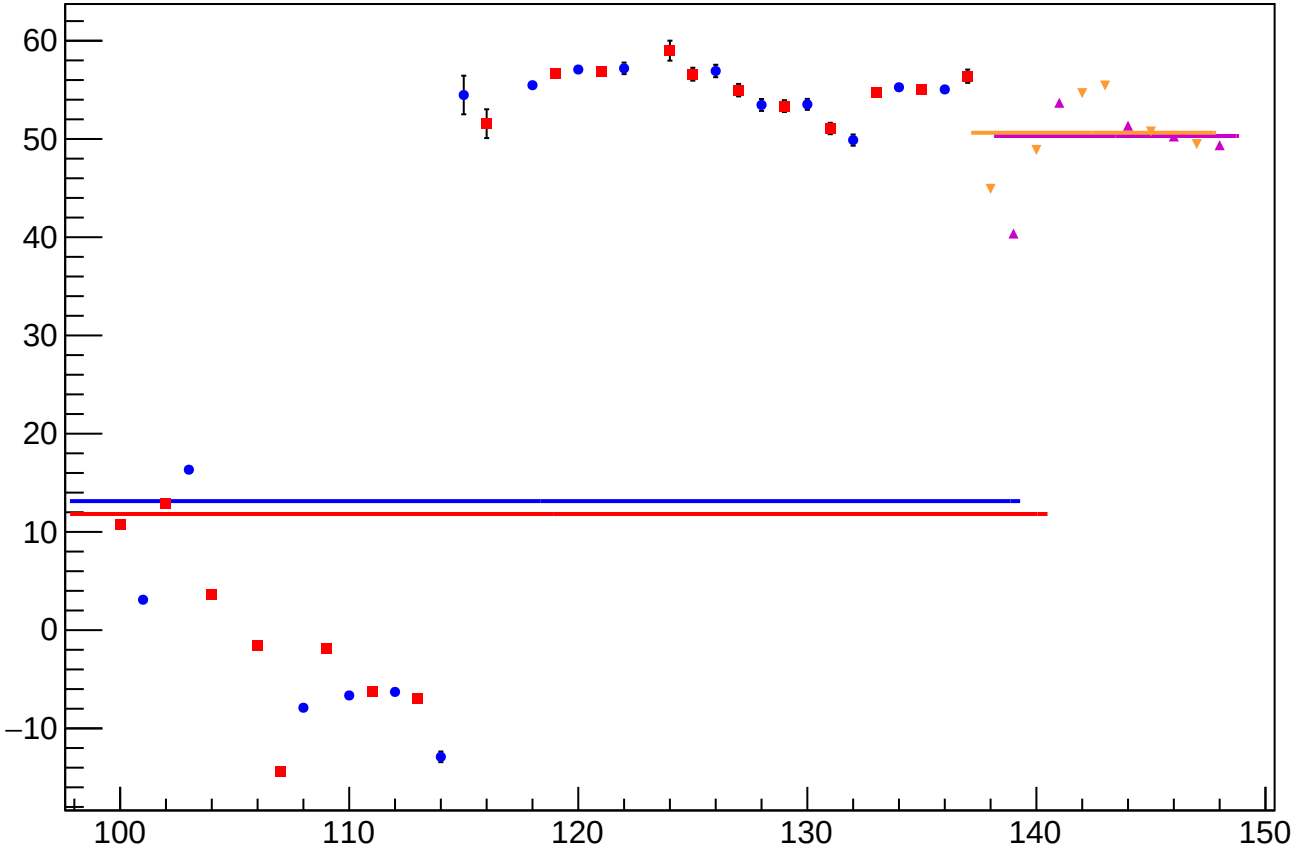
Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.014+/-0.050 χ^2/NDF:2473.6/20

Out: -0.434+/-0.050 χ^2/NDF:4676.7/24

All: -0.208+/-0.035 χ^2/NDF: 7190.3/45

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.634+/-0.130 χ^2/NDF:571.5/5

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.305+/-0.137 χ^2/NDF:557.2/4

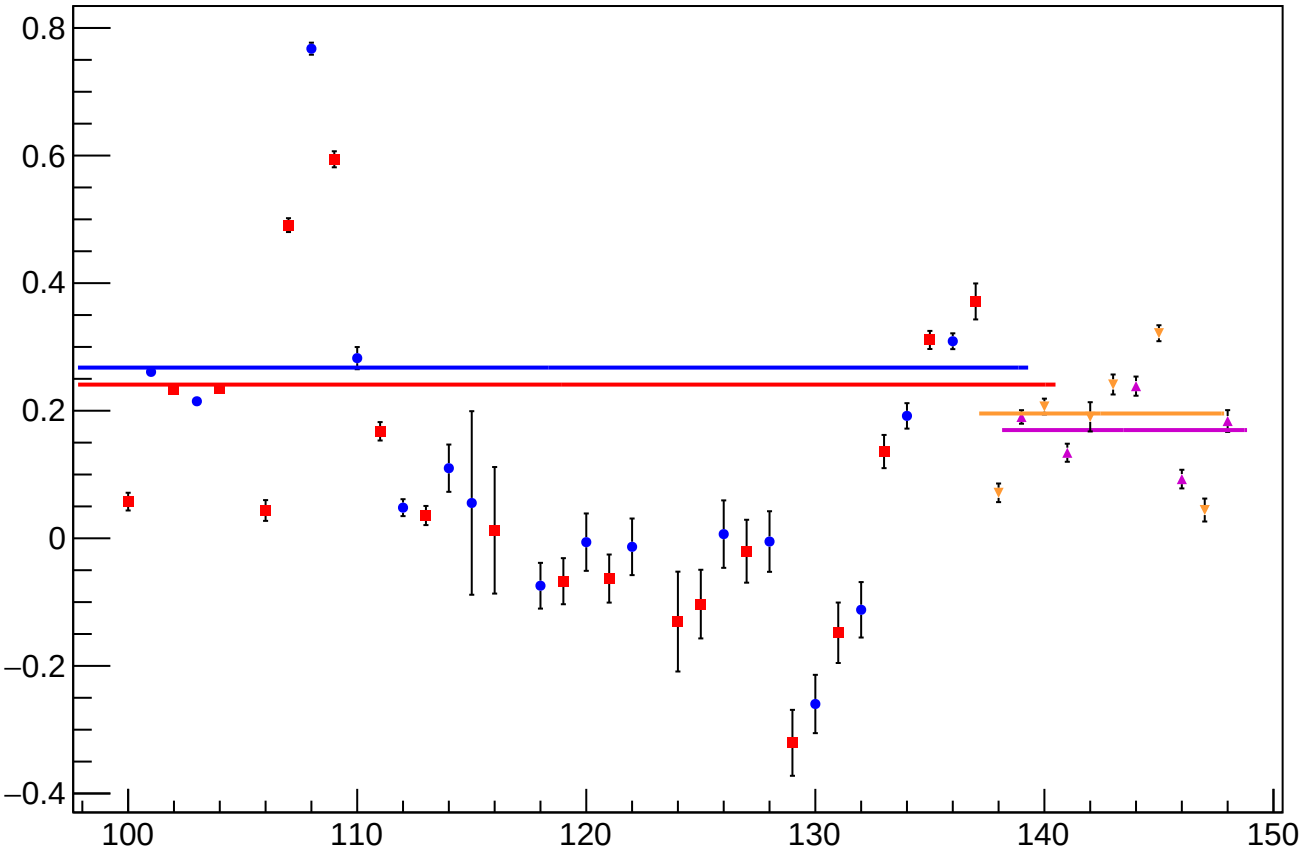
Left: 50.478+/-0.094 χ^2/NDF: 1131.6/10

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 20.484+/-0.061 χ^2/NDF:168293.3/20

Out: 20.129+/-0.060 χ^2/NDF:188772.0/24

All: 20.304+/-0.043 χ^2/NDF: 357082.6/45



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.196+/-0.006 χ^2/NDF:253.9/5

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.170+/-0.006 χ^2/NDF:59.5/4

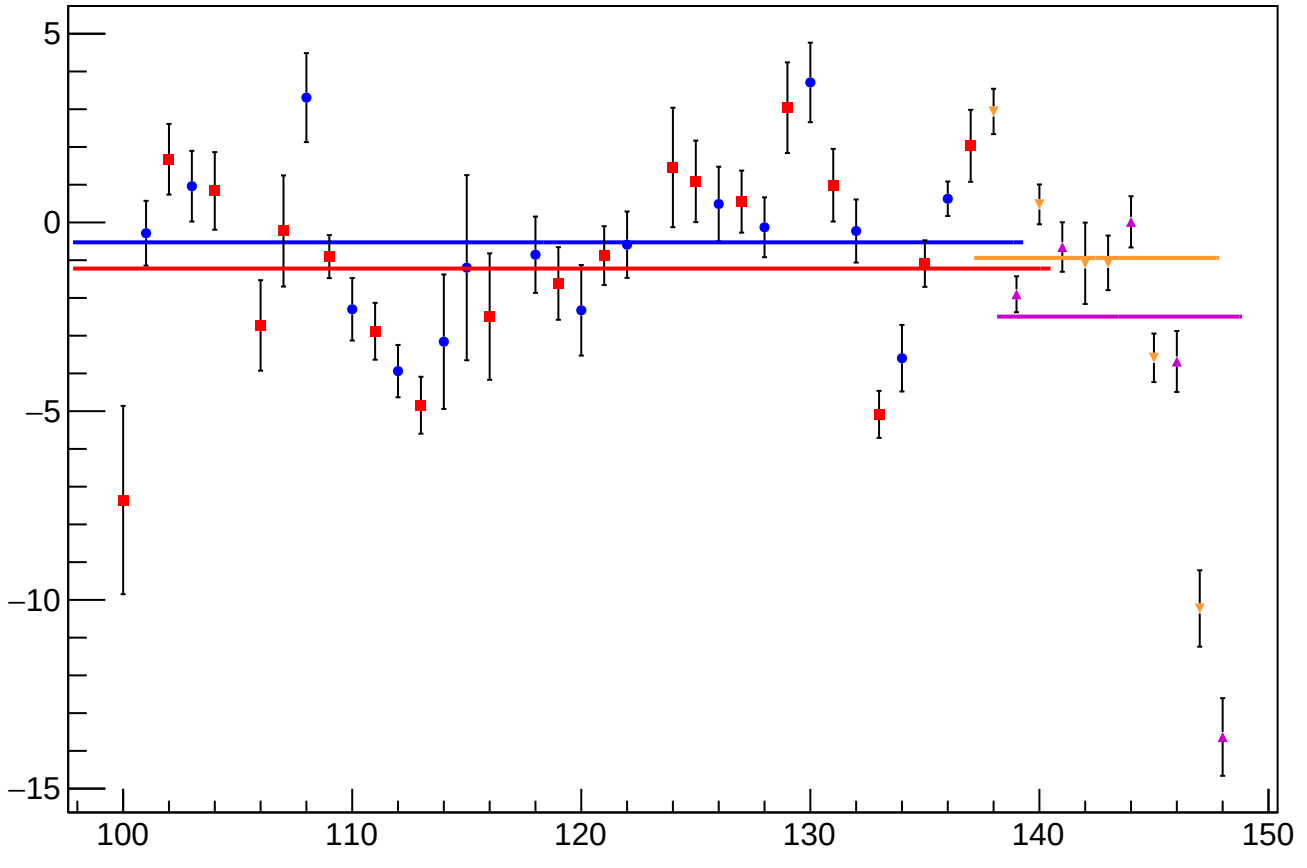
Left: 0.183+/-0.004 χ^2/NDF: 322.4/10

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.251+/-0.003 χ^2/NDF:3990.3/20

Out: 0.233+/-0.003 χ^2/NDF:2638.8/24

All: 0.242+/-0.002 χ^2/NDF: 6653.2/45



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.939+/-0.282 χ^2/NDF:150.1/5

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -2.495+/-0.296 χ^2/NDF:142.6/4

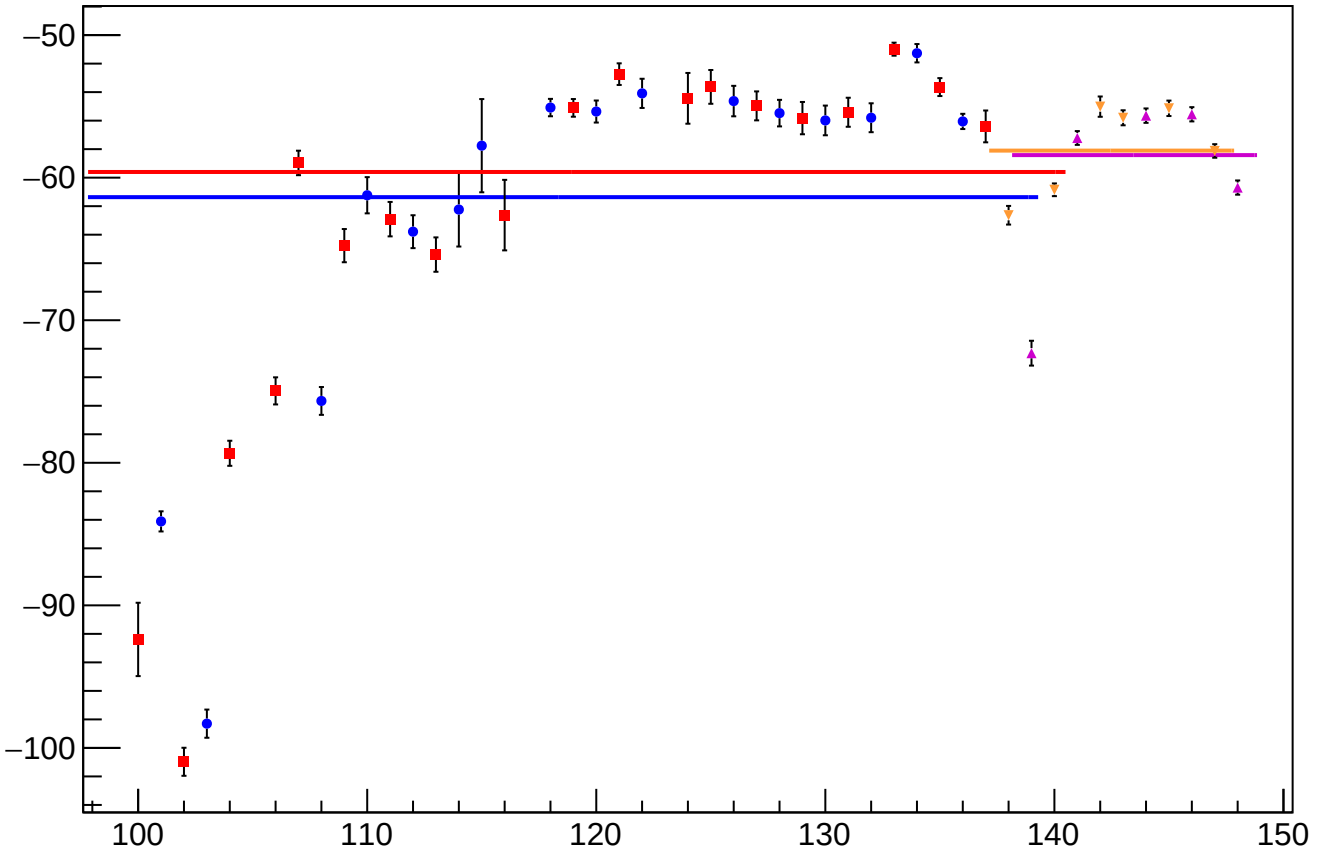
Left: -1.680+/-0.204 χ^2/NDF: 307.1/10

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.214+/-0.175 χ^2/NDF:254.0/20

Out: -1.124+/-0.166 χ^2/NDF:281.7/24

All: -1.166+/-0.120 χ^2/NDF: 535.8/45



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.102+/-0.219 χ^2/NDF:153.9/5

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -58.418+/-0.239 χ^2/NDF:344.2/4

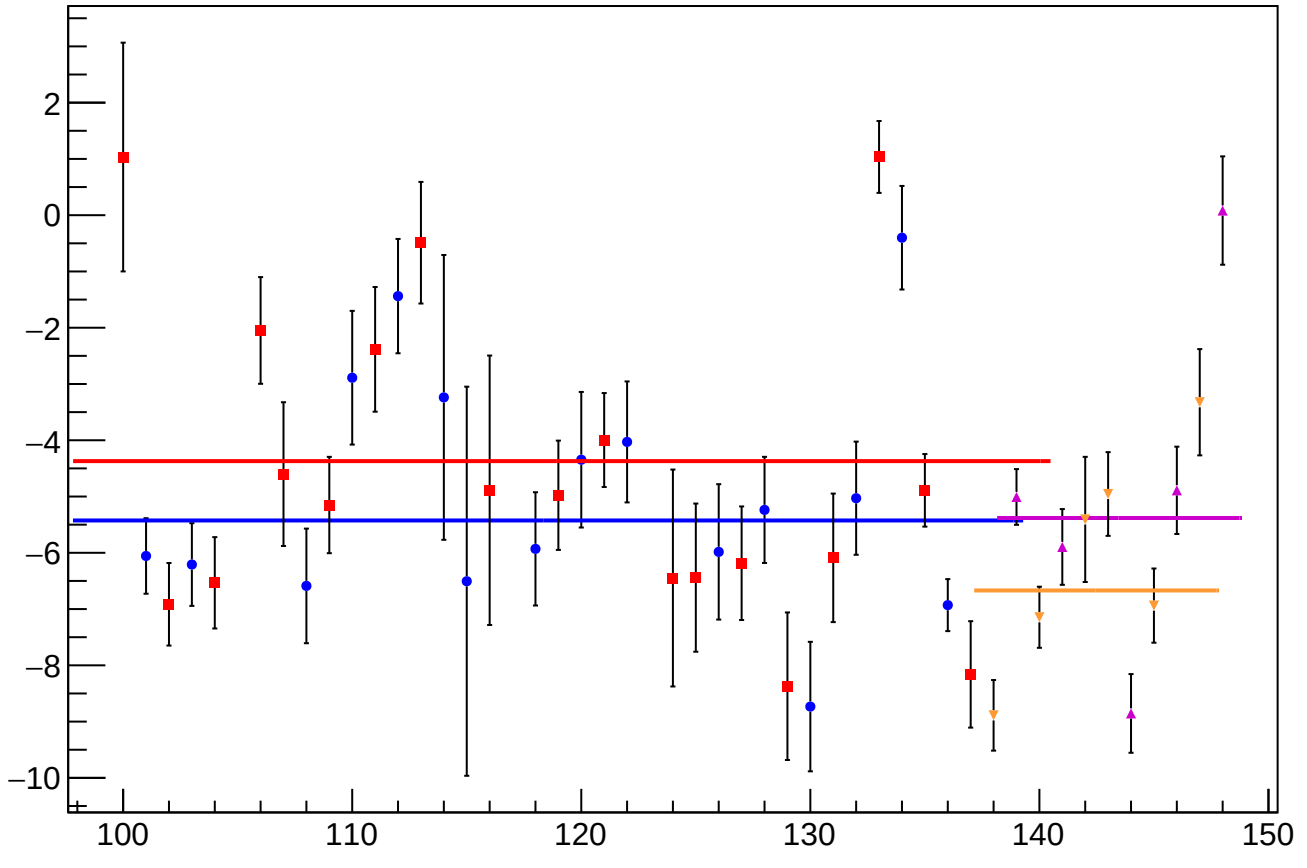
Left: -58.247+/-0.162 χ^2/NDF: 499.0/10

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -60.020+/-0.161 χ^2/NDF:3778.2/20

Out: -58.897+/-0.150 χ^2/NDF:3599.9/24

All: -59.419+/-0.110 χ^2/NDF: 7404.0/45



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -6.669+/-0.289 χ^2/NDF:32.6/5

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -5.381+/-0.301 χ^2/NDF:58.4/4

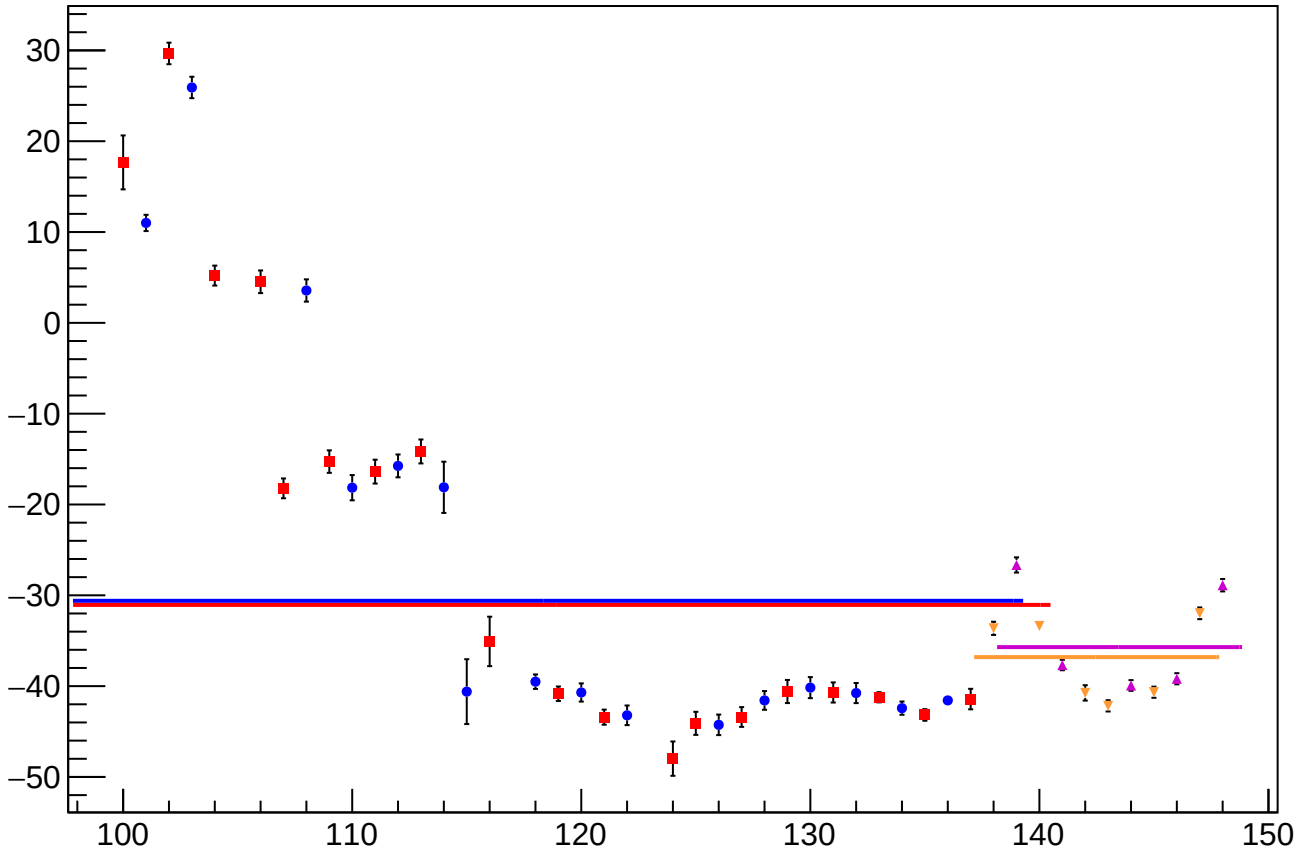
Left: -6.051+/-0.208 χ^2/NDF: 100.6/10

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.409+/-0.183 χ^2/NDF:134.4/20

Out: -5.226+/-0.176 χ^2/NDF:228.9/24

All: -5.314+/-0.127 χ^2/NDF: 363.8/45



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.805+/-0.263 χ^2/NDF:251.8/5

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -35.702+/-0.287 χ^2/NDF:311.5/4

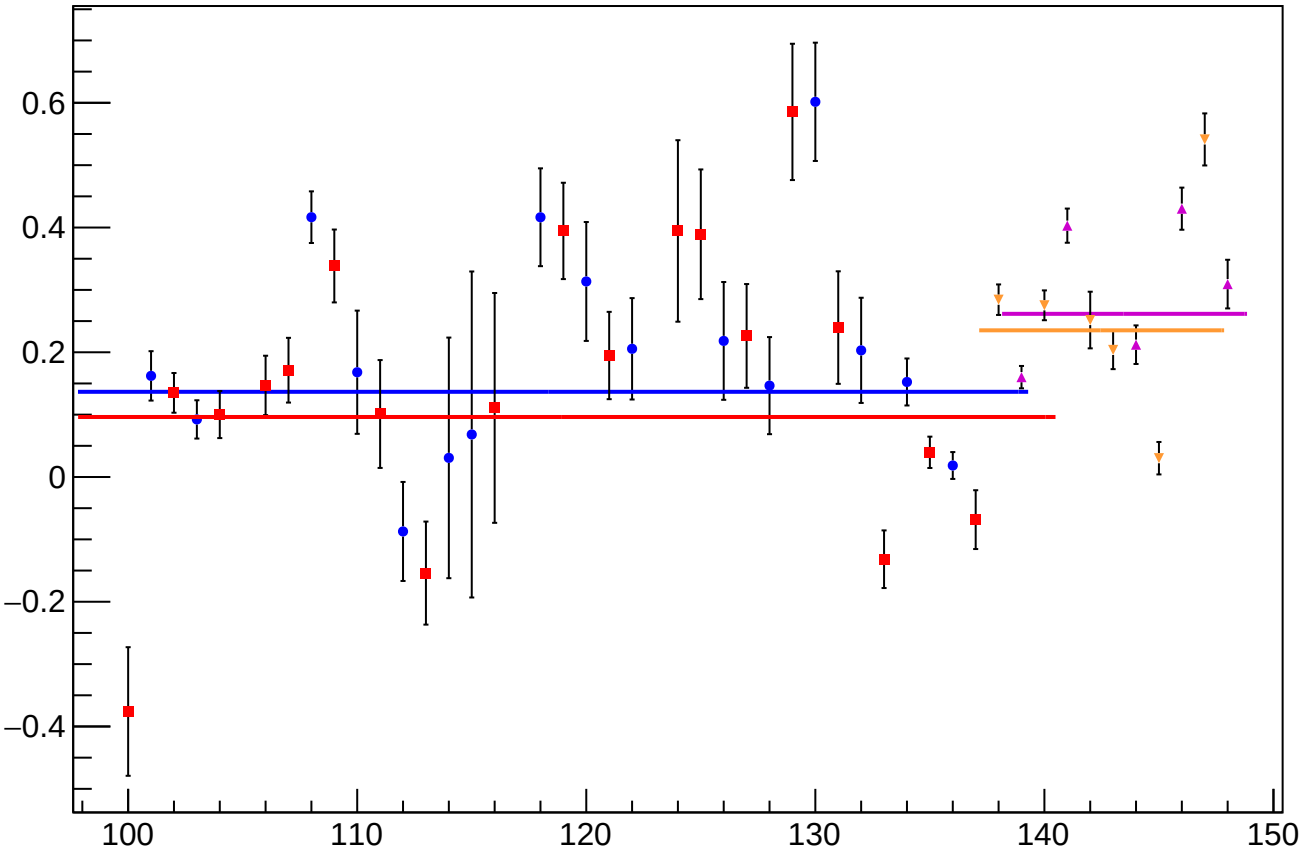
Left: -36.301+/-0.194 χ^2/NDF: 571.3/10

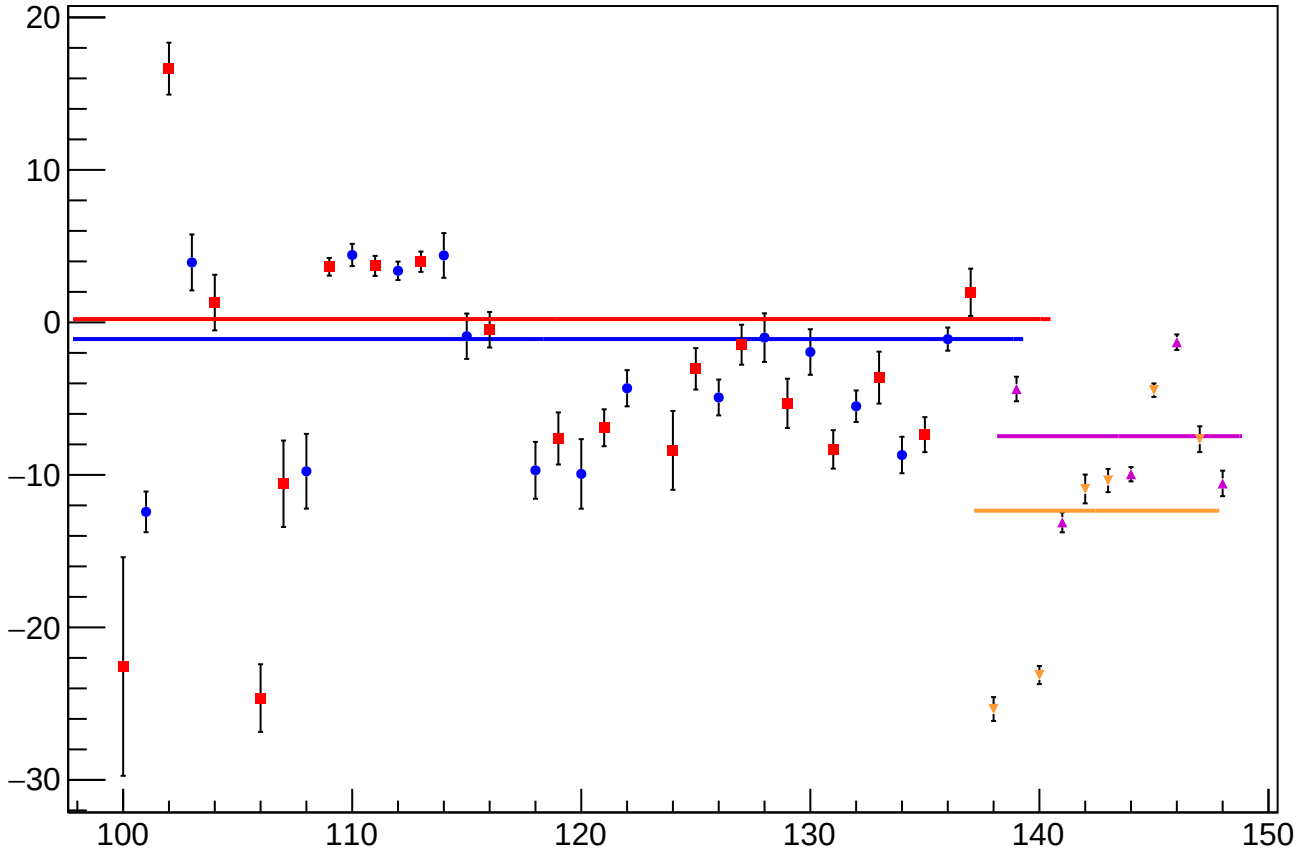
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.799+/-0.188 χ^2/NDF:7429.4/20

Out: -33.638+/-0.176 χ^2/NDF:7490.8/24

All: -33.245+/-0.129 χ^2/NDF: 14930.7/45


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.235+/-0.012 χ²/NDF:123.9/5
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.262+/-0.012 χ²/NDF:87.7/4
Left: 0.248+/-0.008 χ²/NDF: 214.0/10
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.202+/-0.009 χ²/NDF:269.2/20
Out: 0.168+/-0.009 χ²/NDF:337.0/24
All: 0.185+/-0.006 χ²/NDF: 614.1/45



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.349+/-0.269 χ^2/NDF:968.1/5

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -7.461+/-0.270 χ^2/NDF:278.7/4

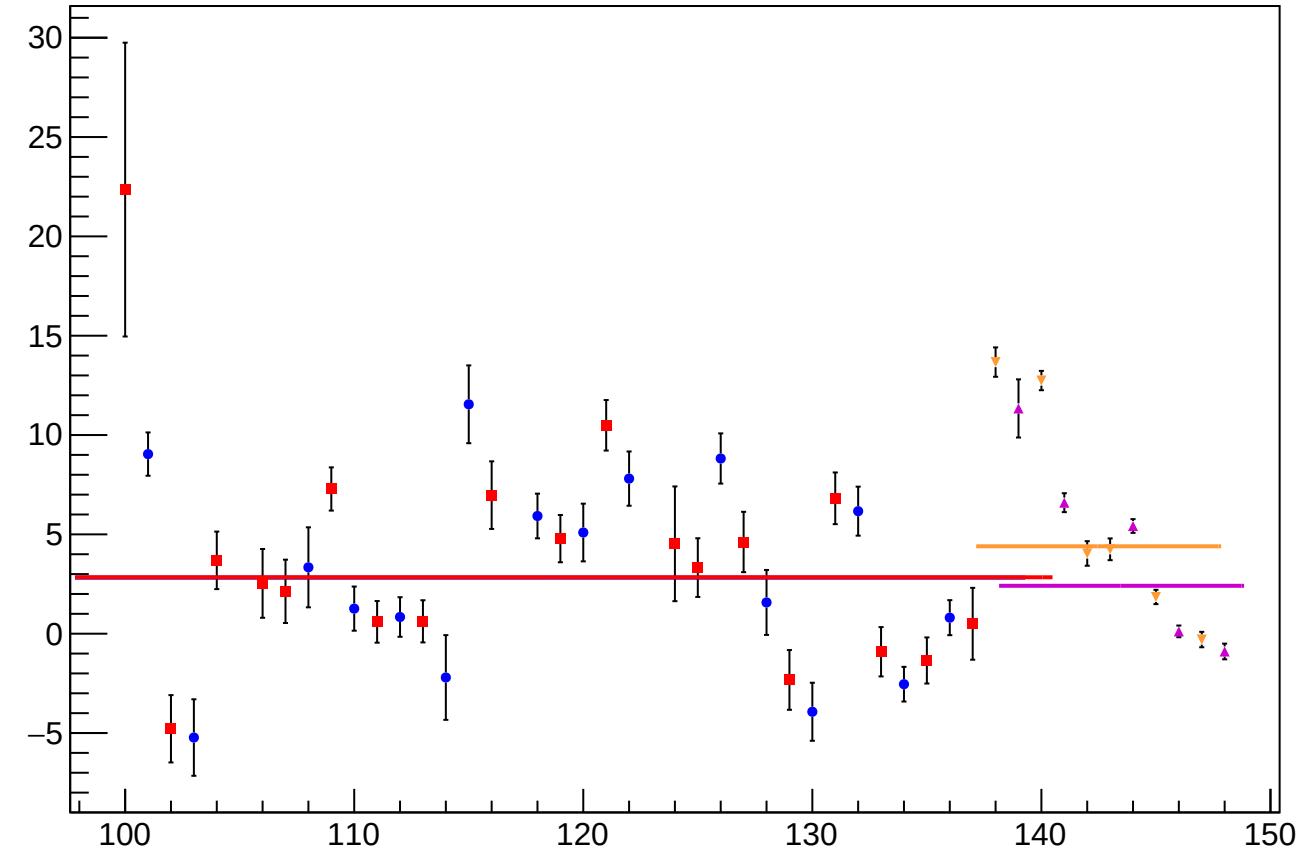
Left: -9.919+/-0.190 χ^2/NDF: 1411.5/10

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.397+/-0.195 χ^2/NDF:878.0/20

Out: -6.009+/-0.189 χ^2/NDF:2592.9/24

All: -5.226+/-0.136 χ^2/NDF: 3506.1/45



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.400+/-0.195 χ^2/NDF:648.0/5

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.411+/-0.179 χ^2/NDF:320.5/4

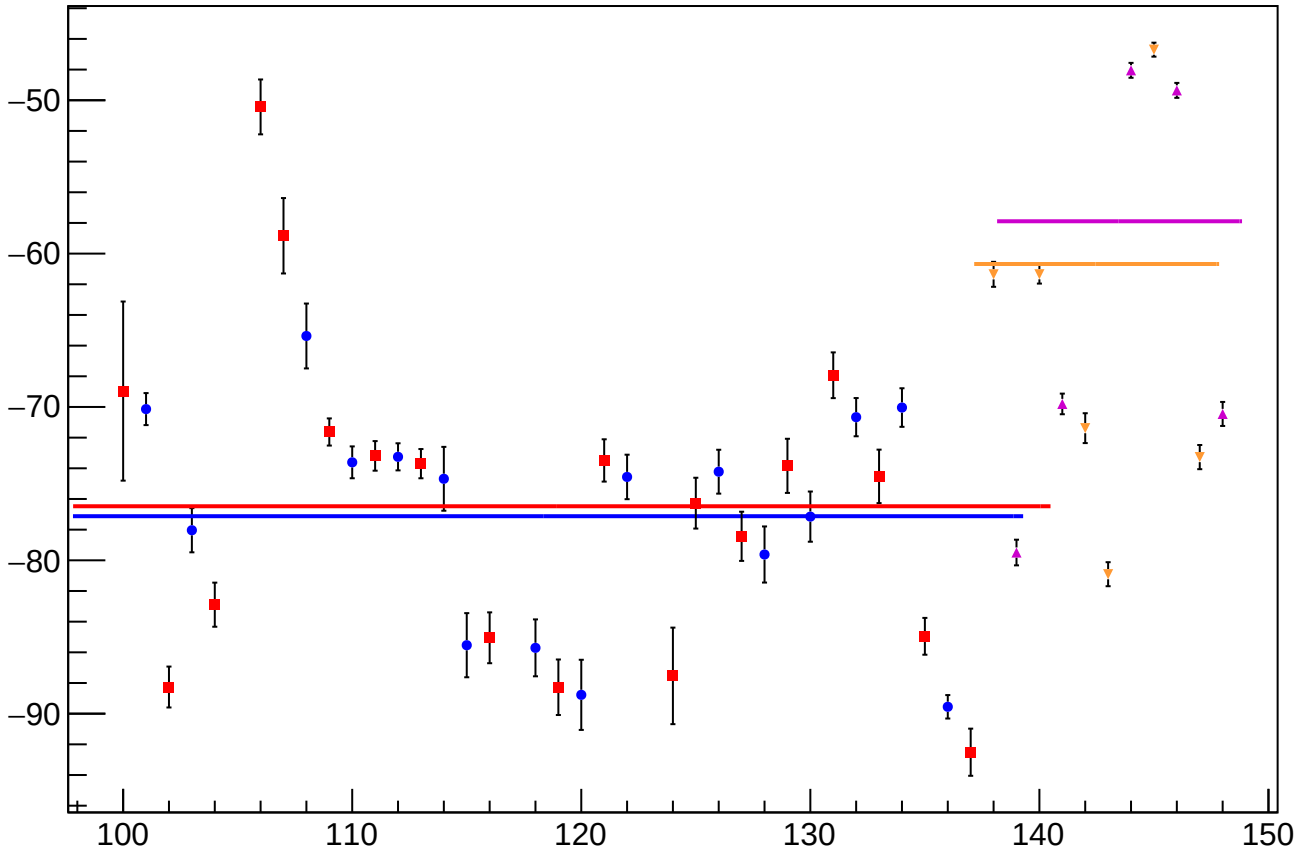
Left: 3.322+/-0.132 χ^2/NDF: 1024.9/10

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.513+/-0.156 χ^2/NDF:521.4/20

Out: 3.982+/-0.167 χ^2/NDF:810.1/24

All: 3.196+/-0.114 χ^2/NDF: 1372.9/45



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -60.678+/-0.274 χ^2/NDF:1985.9/5

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -57.891+/-0.270 χ^2/NDF:1954.2/4

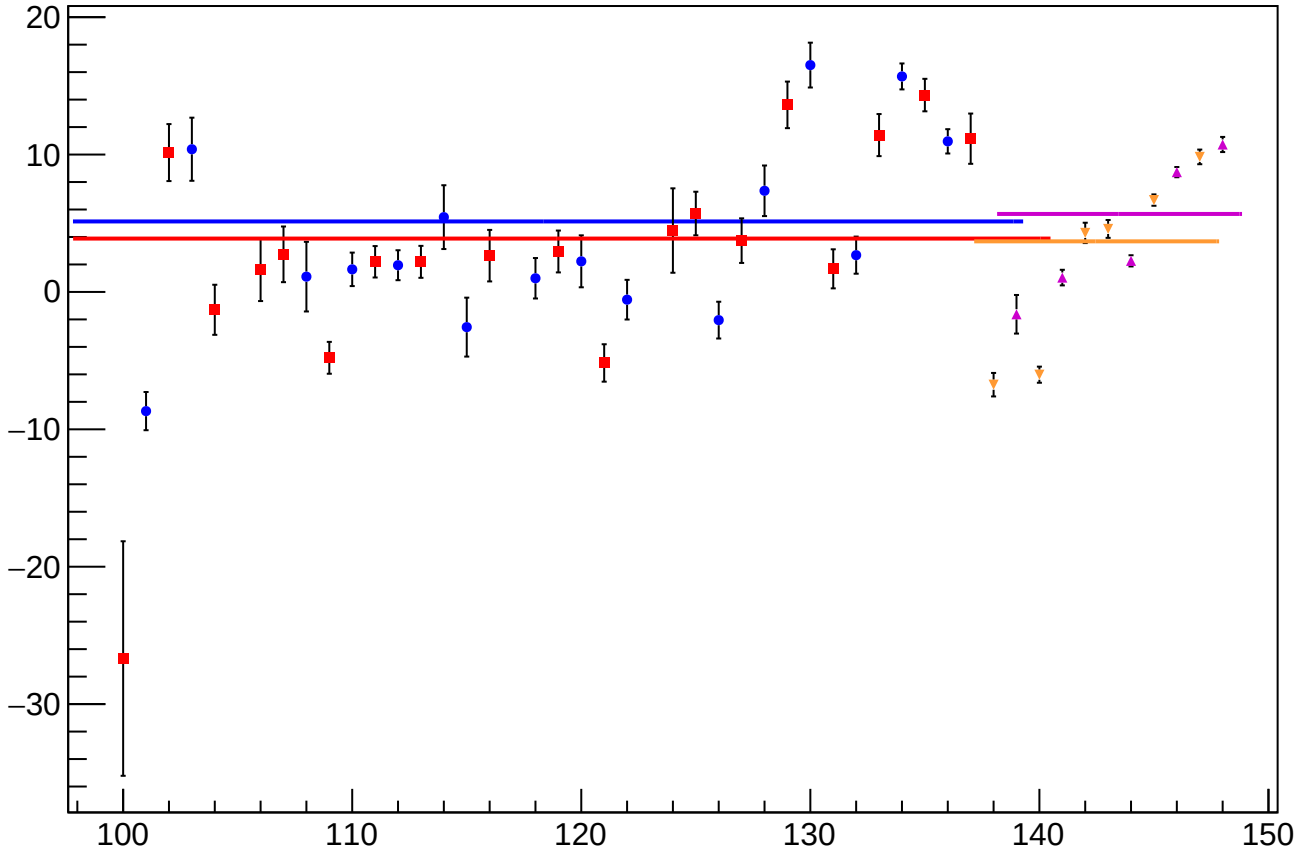
Left: -59.264+/-0.192 χ^2/NDF: 3992.5/10

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -65.709+/-0.208 χ^2/NDF:4519.4/20

Out: -67.160+/-0.210 χ^2/NDF:4045.5/24

All: -66.426+/-0.148 χ^2/NDF: 8588.9/45



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.682+/-0.237 χ^2/NDF:611.2/5

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 5.677+/-0.223 χ^2/NDF:315.0/4

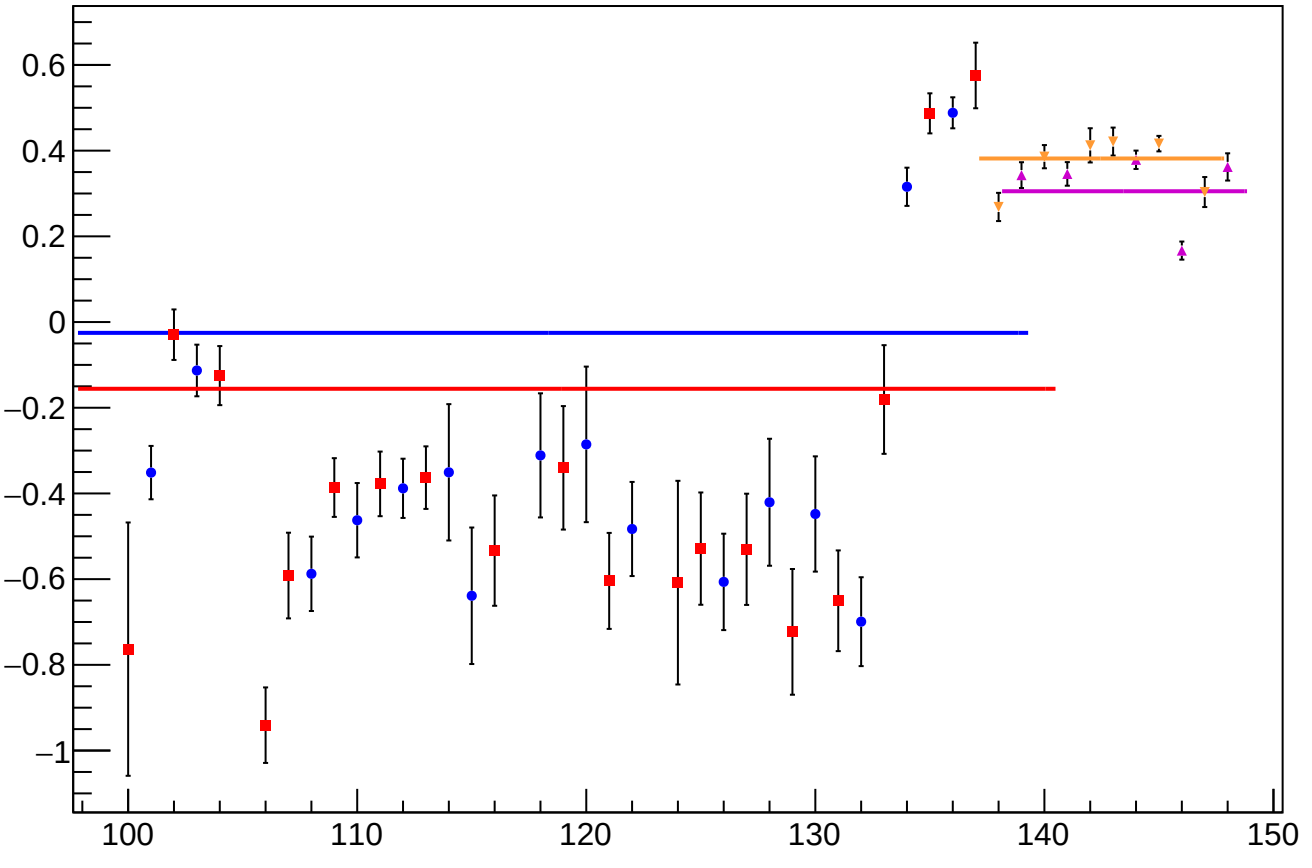
Left: 4.741+/-0.162 χ^2/NDF: 963.9/10

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.519+/-0.188 χ^2/NDF:729.1/20

Out: 3.743+/-0.198 χ^2/NDF:902.9/24

All: 4.678+/-0.136 χ^2/NDF: 1674.3/45



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.382+/-0.011 χ^2/NDF:22.6/5

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.305+/-0.011 χ^2/NDF:61.7/4

Left: 0.343+/-0.008 χ^2/NDF: 107.0/10

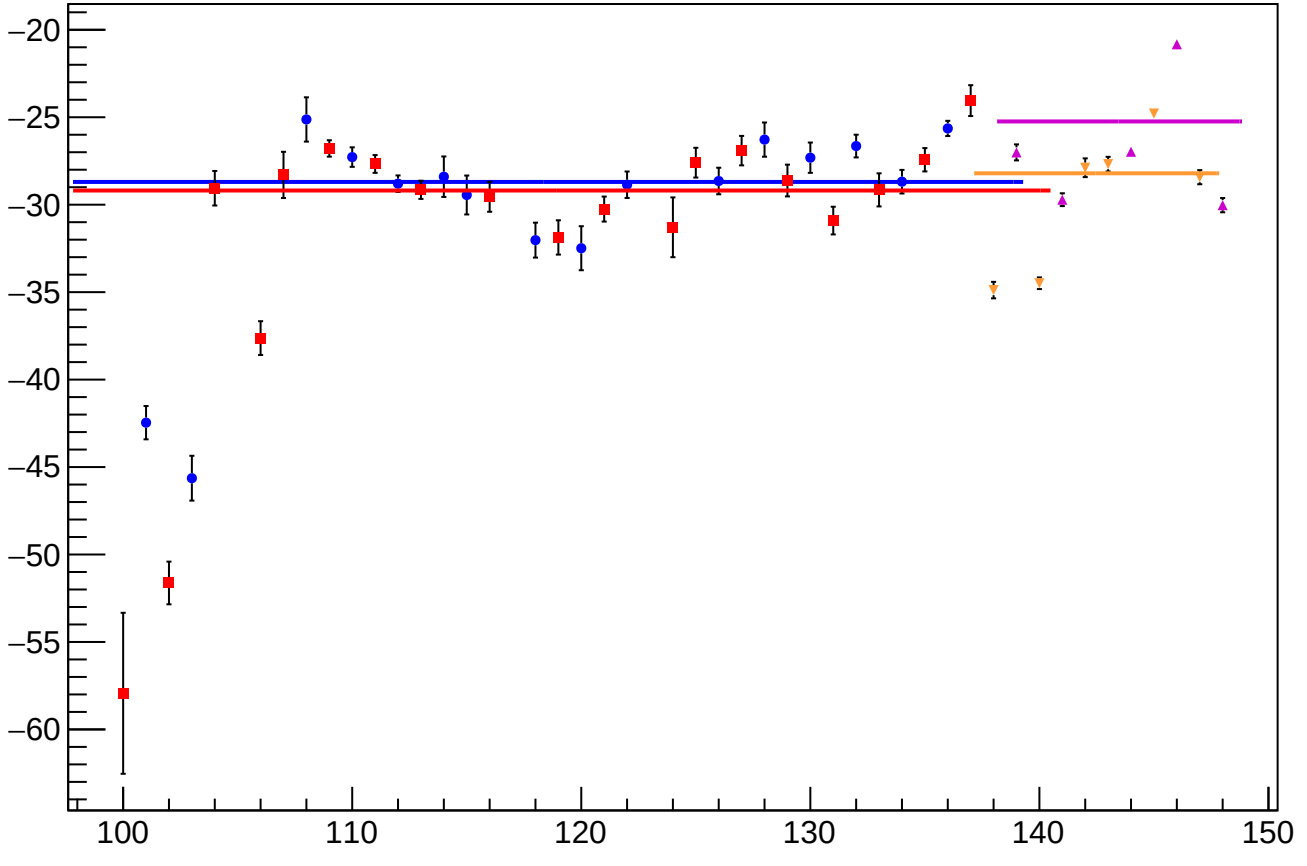
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.219+/-0.010 χ^2/NDF:798.7/20

Out: 0.252+/-0.010 χ^2/NDF:1054.3/24

All: 0.235+/-0.007 χ^2/NDF: 1858.9/45

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.205+/-0.137 χ^2/NDF:840.1/5

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -25.240+/-0.128 χ^2/NDF:817.6/4

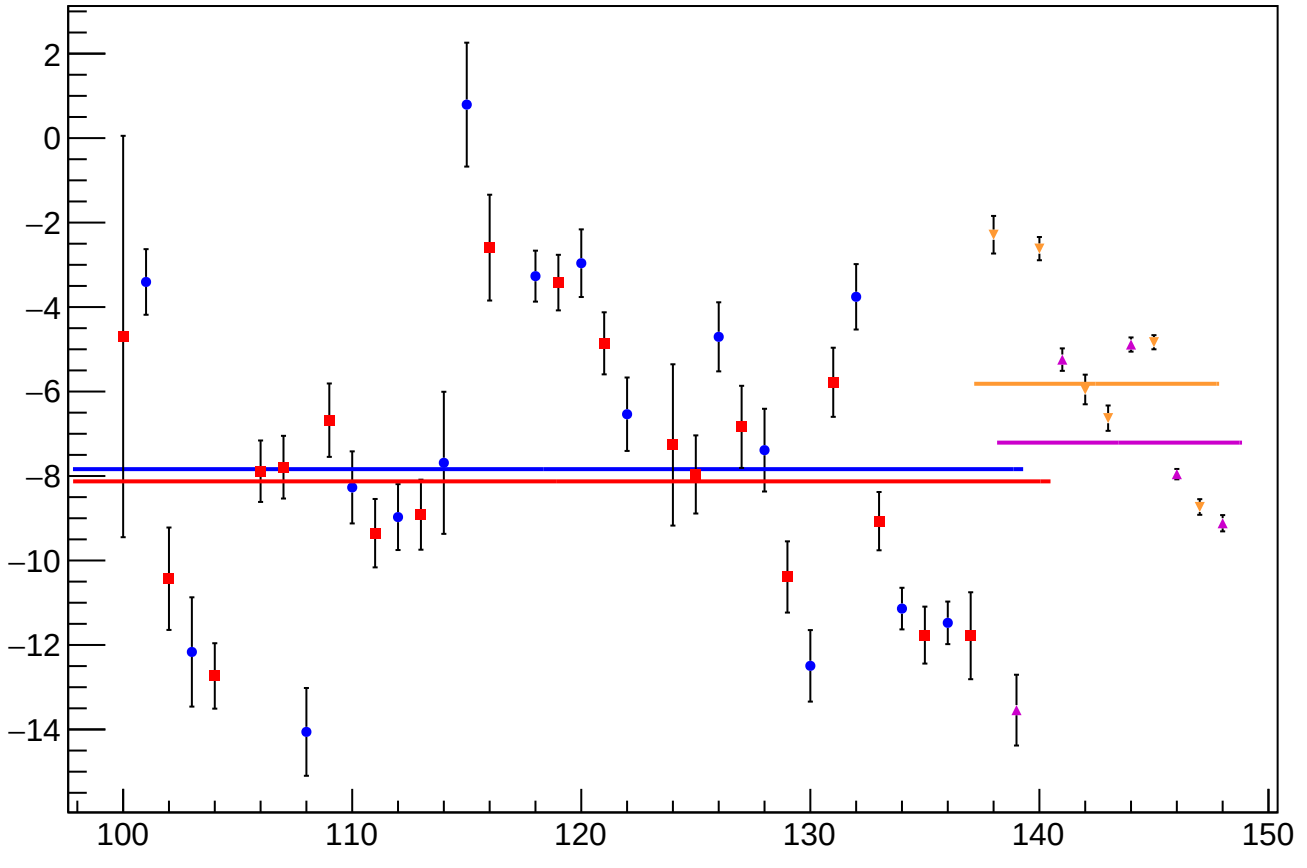
Left: -26.621+/-0.094 χ^2/NDF: 1907.4/10

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.353+/-0.105 χ^2/NDF:1539.7/20

Out: -28.563+/-0.109 χ^2/NDF:1416.1/24

All: -27.418+/-0.076 χ^2/NDF: 3167.5/45



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.816+/-0.099 χ^2/NDF:488.3/5

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.210+/-0.083 χ^2/NDF:437.3/4

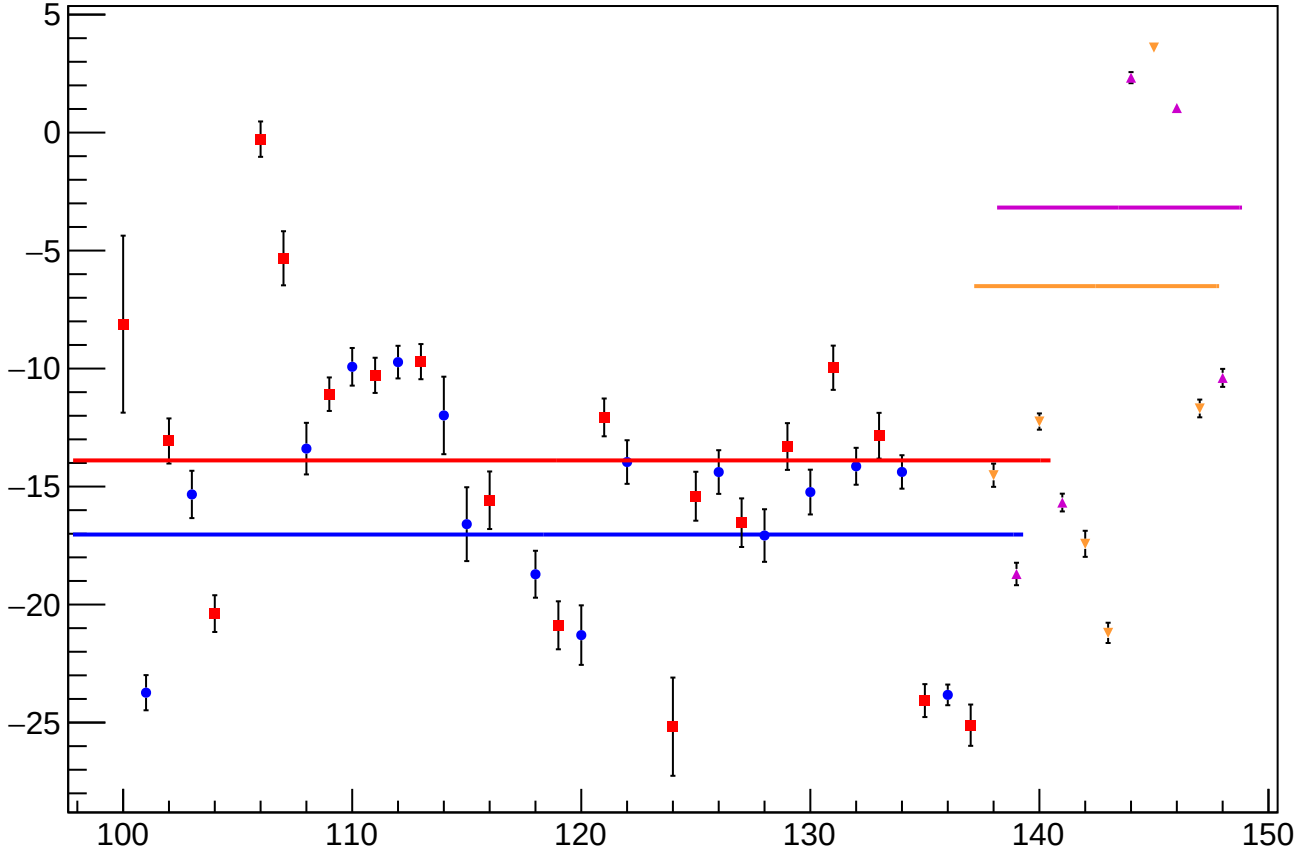
Left: -6.631+/-0.064 χ^2/NDF: 1041.6/10

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.306+/-0.077 χ^2/NDF:829.2/20

Out: -6.282+/-0.088 χ^2/NDF:795.8/24

All: -6.867+/-0.058 χ^2/NDF: 1701.7/45



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -6.507+/-0.139 χ^2/NDF:4656.9/5

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -3.177+/-0.127 χ^2/NDF:3525.7/4

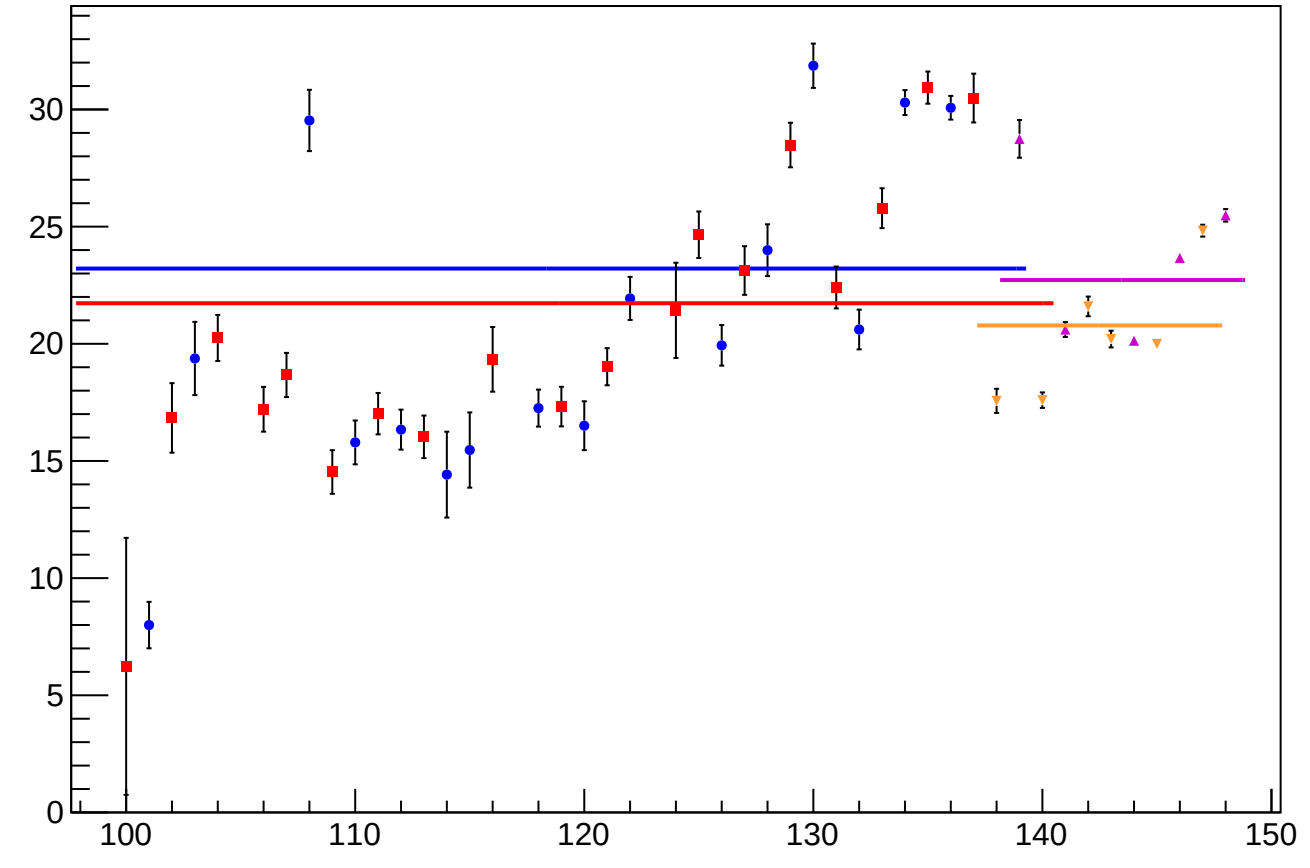
Left: -4.690+/-0.094 χ^2/NDF: 8493.9/10

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.913+/-0.109 χ^2/NDF:7325.6/20

Out: -8.776+/-0.116 χ^2/NDF:6536.6/24

All: -7.784+/-0.079 χ^2/NDF: 13999.5/45



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 20.784+/-0.120 χ^2/NDF:408.1/5

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.720+/-0.104 χ^2/NDF:416.4/4

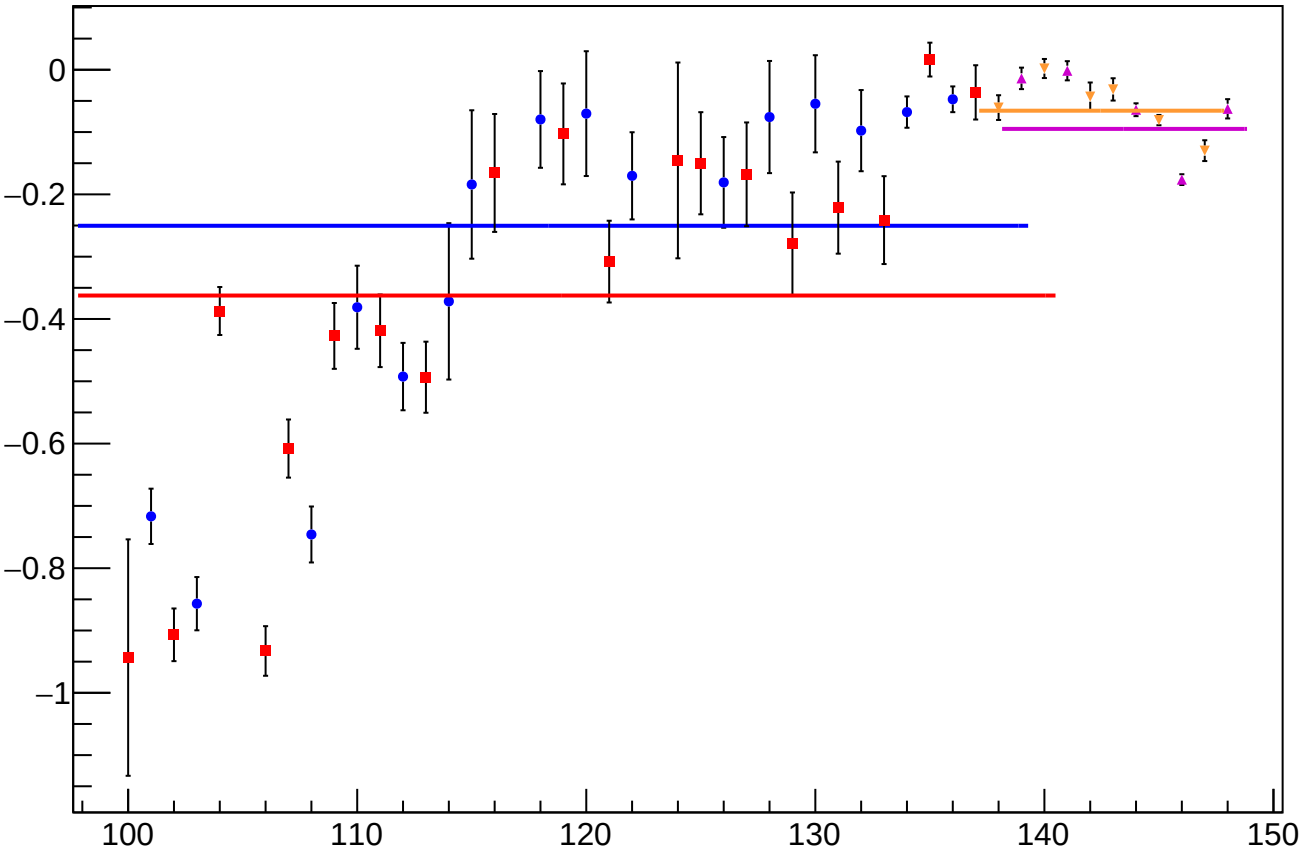
Left: 21.896+/-0.078 χ^2/NDF: 973.6/10

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.811+/-0.094 χ^2/NDF:1428.8/20

Out: 20.995+/-0.106 χ^2/NDF:980.2/24

All: 22.016+/-0.070 χ^2/NDF: 2574.0/45



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.066+/-0.006 χ^2/NDF:42.3/5

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.095+/-0.005 χ^2/NDF:160.9/4

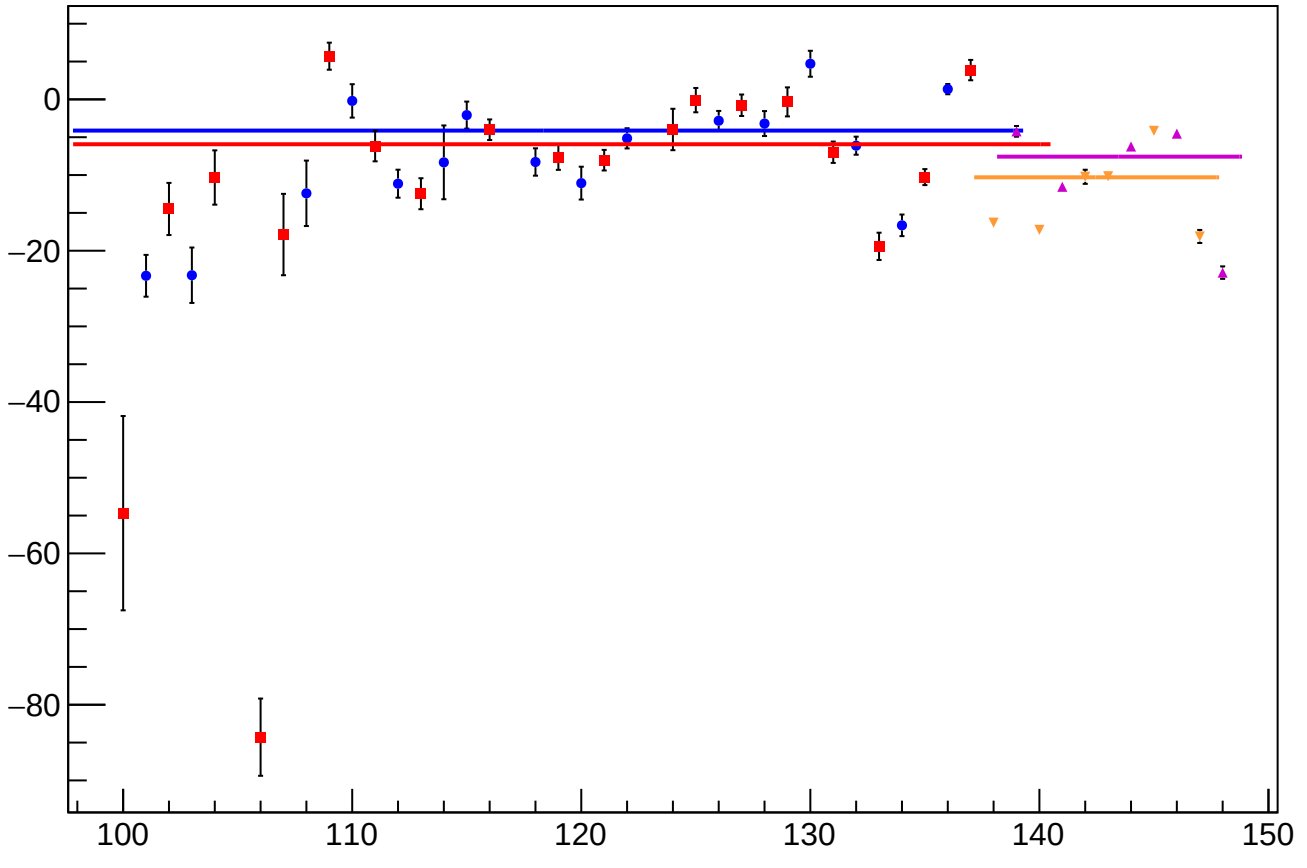
Left: -0.081+/-0.004 χ^2/NDF: 217.0/10

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.122+/-0.005 χ^2/NDF:941.1/20

Out: -0.119+/-0.005 χ^2/NDF:1220.8/24

All: -0.121+/-0.004 χ^2/NDF: 2162.1/45



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.299+/-0.238 χ^2/NDF:600.6/5

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -7.568+/-0.237 χ^2/NDF:473.5/4

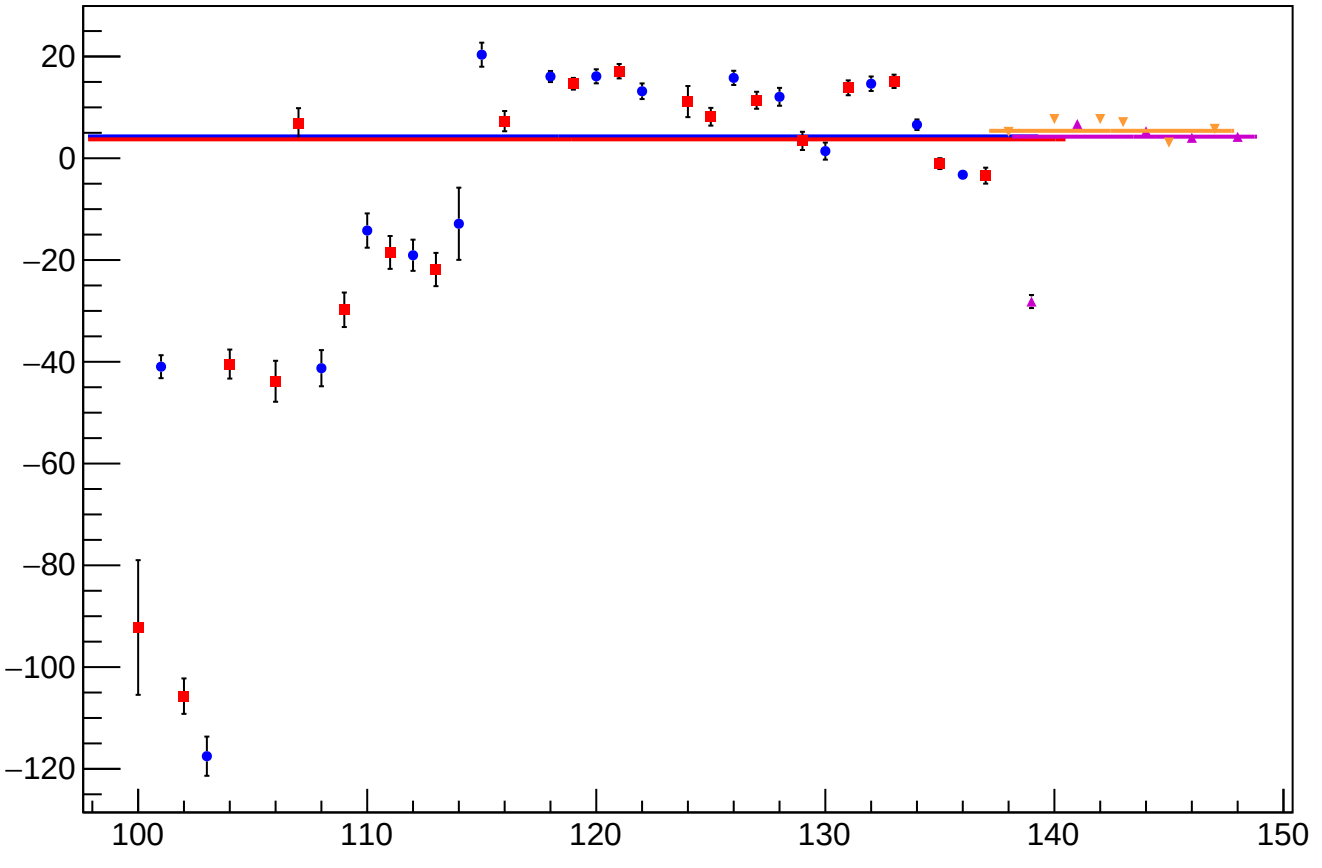
Left: -8.930+/-0.168 χ^2/NDF: 1140.3/10

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -6.608+/-0.201 χ^2/NDF:820.1/20

Out: -9.190+/-0.205 χ^2/NDF:1169.0/24

All: -7.874+/-0.144 χ^2/NDF: 2069.6/45



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.395+/-0.177 χ^2/NDF:113.9/5

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.243+/-0.161 χ^2/NDF:677.6/4

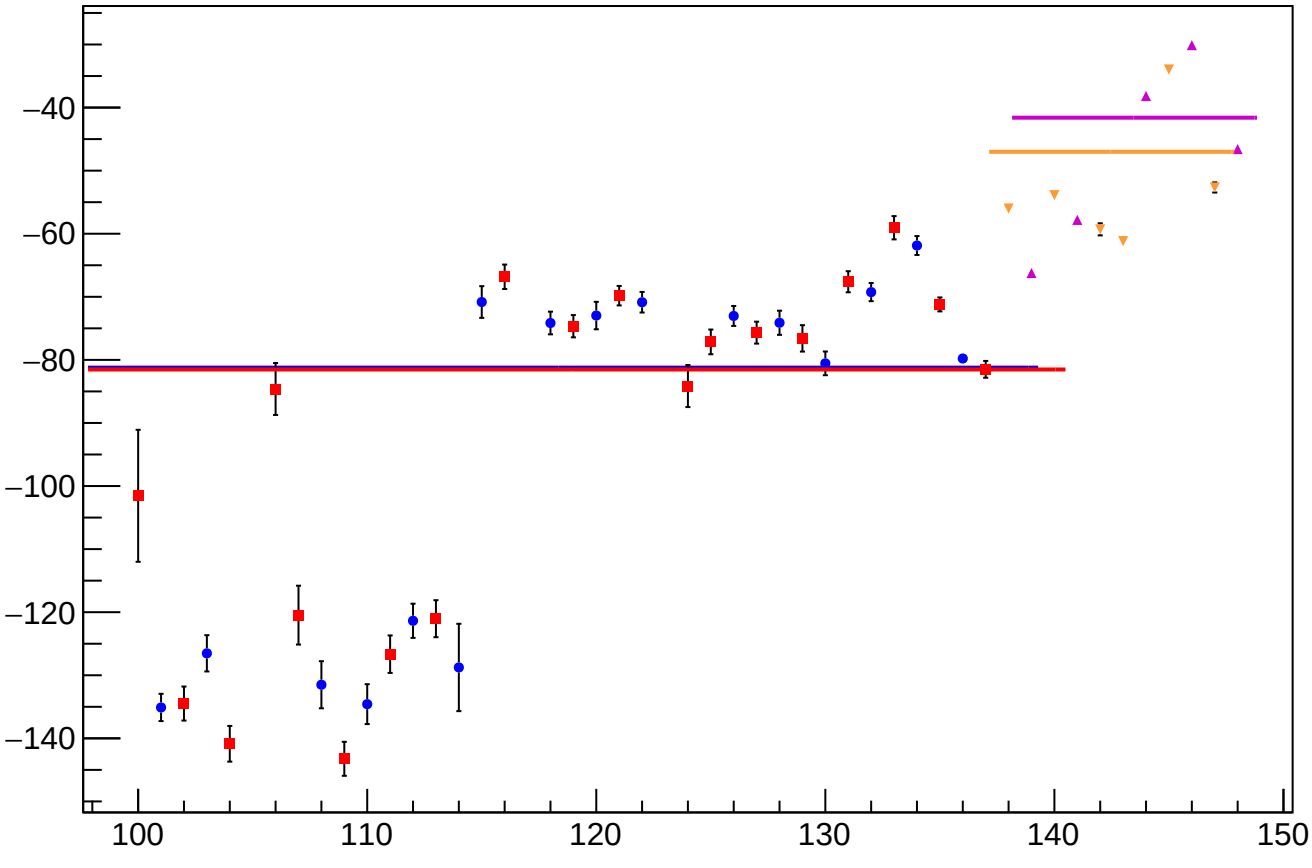
Left: 4.764+/-0.119 χ^2/NDF: 814.8/10

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.250+/-0.148 χ^2/NDF:2846.7/20

Out: 5.145+/-0.163 χ^2/NDF:2134.6/24

All: 4.655+/-0.110 χ^2/NDF: 4997.8/45



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.011+/-0.243 χ^2/NDF:2142.0/5

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.603+/-0.237 χ^2/NDF:2705.9/4

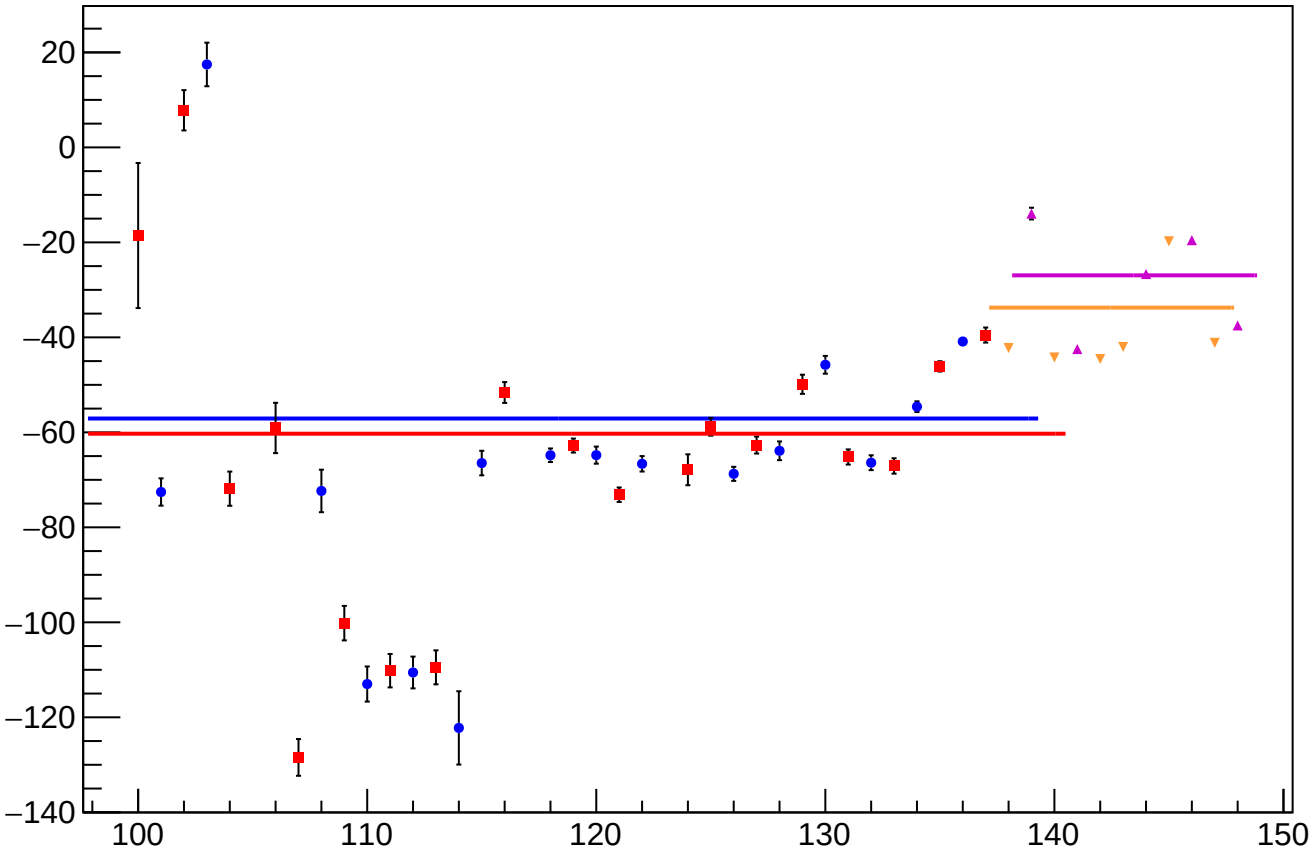
Left: -44.234+/-0.170 χ^2/NDF: 5101.3/10

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.286+/-0.206 χ^2/NDF:11506.9/20

Out: -54.522+/-0.215 χ^2/NDF:8808.6/24

All: -52.832+/-0.149 χ^2/NDF: 20433.4/45



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.739+/-0.213 χ^2/NDF:2796.3/5

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -26.942+/-0.198 χ^2/NDF:1875.1/4

Left: -30.092+/-0.145 χ^2/NDF: 5218.9/10

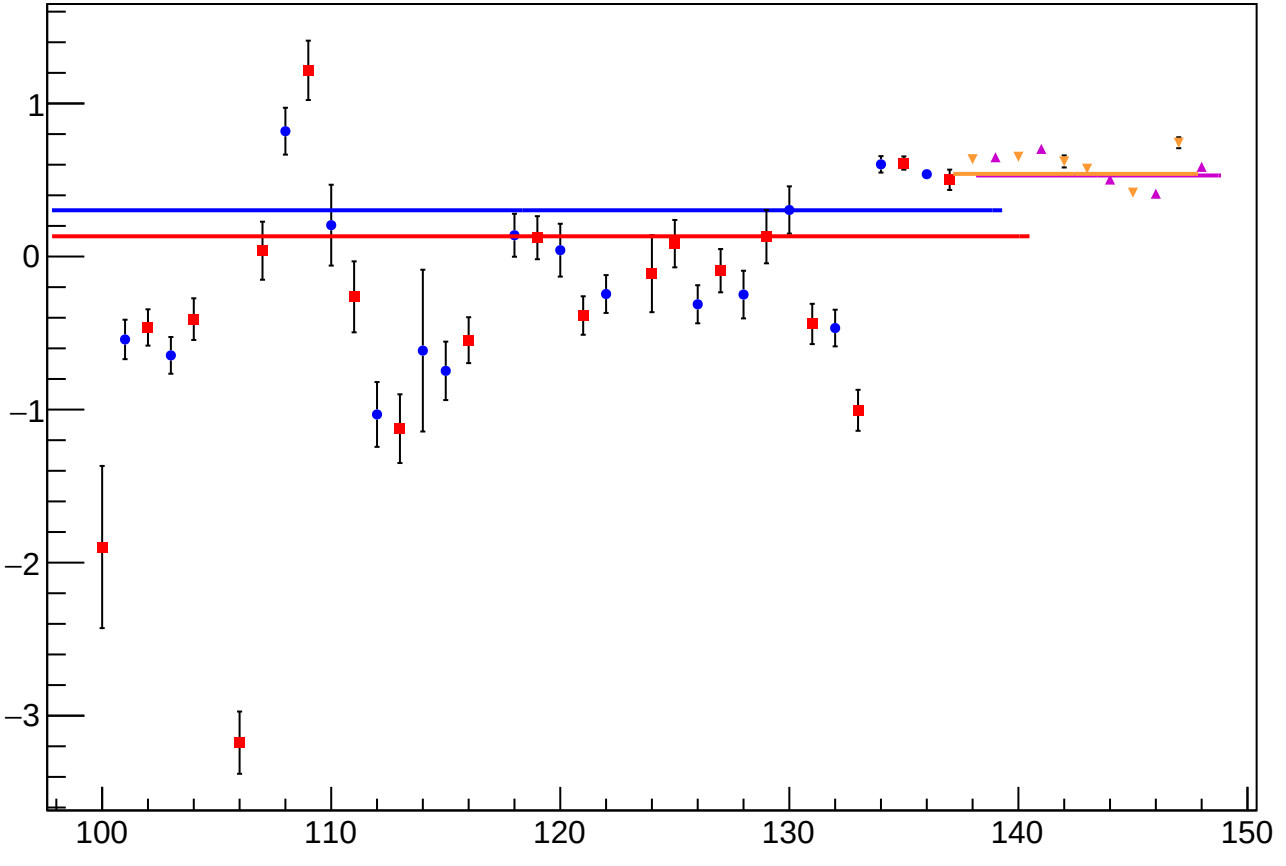
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.292+/-0.179 χ^2/NDF:7526.4/20

Out: -38.254+/-0.194 χ^2/NDF:7031.8/24

All: -35.042+/-0.132 χ^2/NDF: 15067.9/45

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.540+/-0.010 χ^2/NDF:135.8/5

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.530+/-0.010 χ^2/NDF:116.9/4

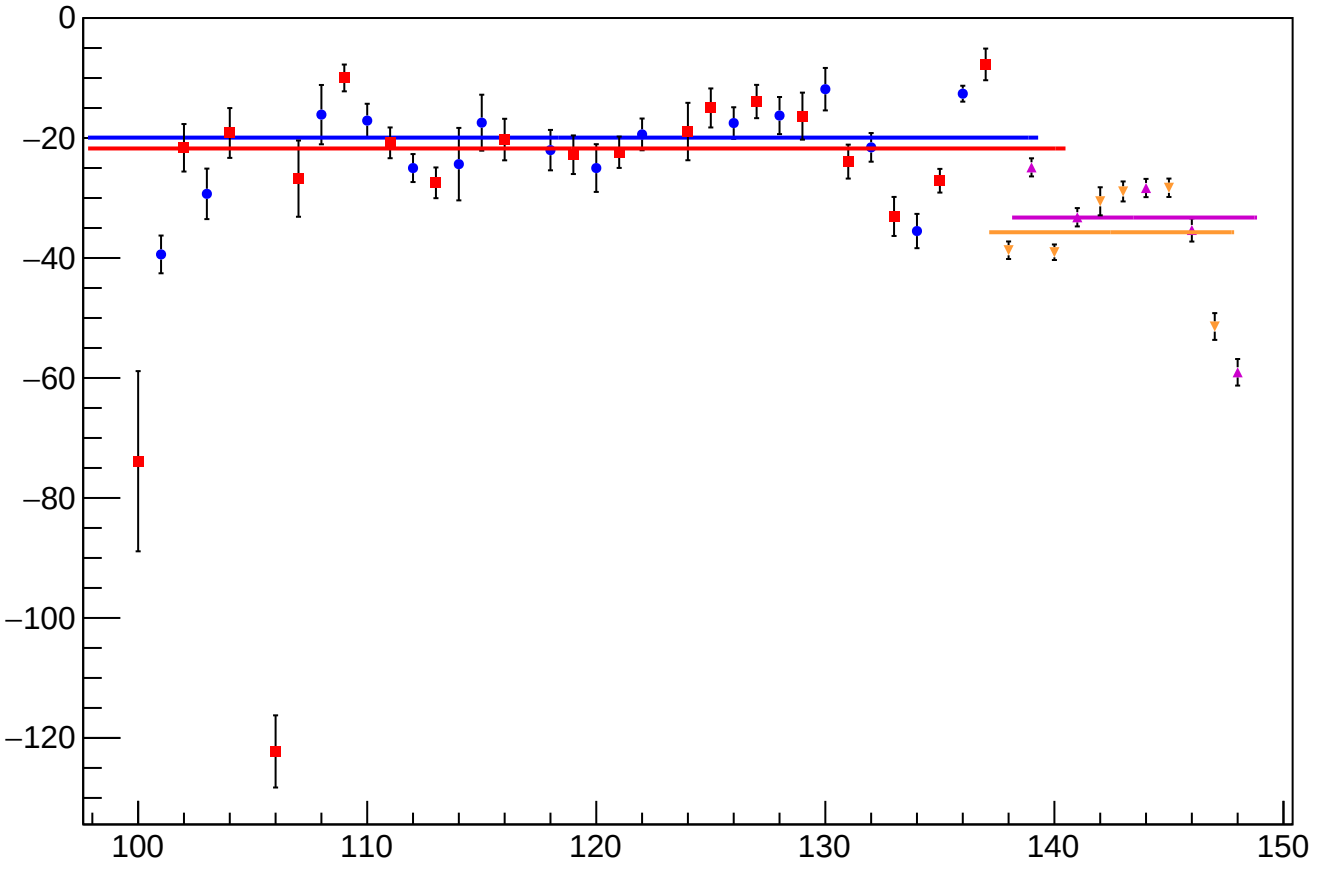
Left: 0.535+/-0.007 χ^2/NDF: 253.3/10

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.494+/-0.009 χ^2/NDF:574.4/20

Out: 0.489+/-0.009 χ^2/NDF:1015.3/24

All: 0.491+/-0.007 χ^2/NDF: 1589.9/45



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.709+/-0.669 χ^2/NDF:105.2/5

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.257+/-0.751 χ^2/NDF:178.1/4

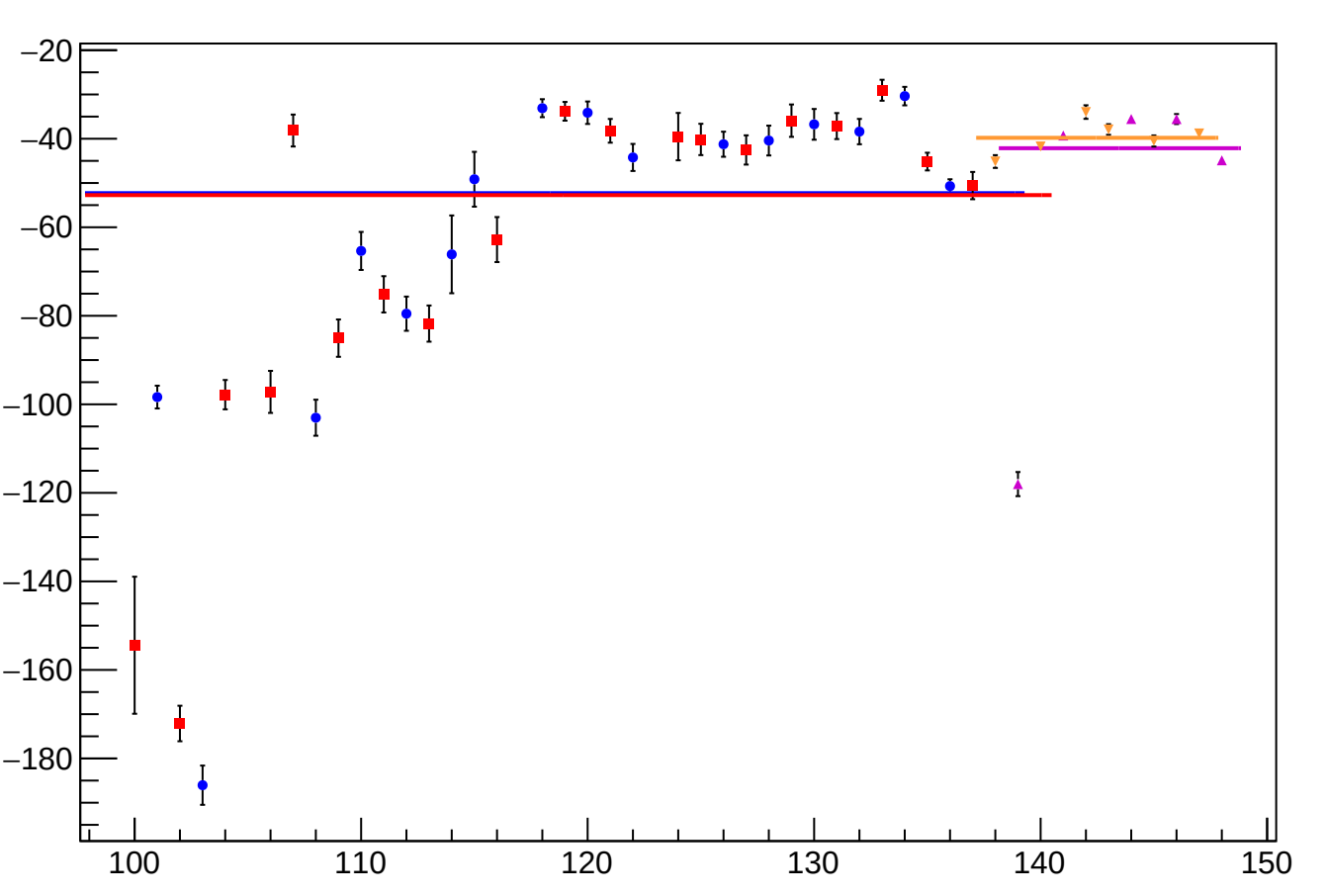
Left: -34.624+/-0.500 χ^2/NDF: 289.3/10

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -26.078+/-0.510 χ^2/NDF:468.3/20

Out: -29.176+/-0.488 χ^2/NDF:697.3/24

All: -27.695+/-0.353 χ^2/NDF: 1184.8/45



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.795+/-0.499 χ^2/NDF:35.0/5

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -42.143+/-0.542 χ^2/NDF:856.1/4

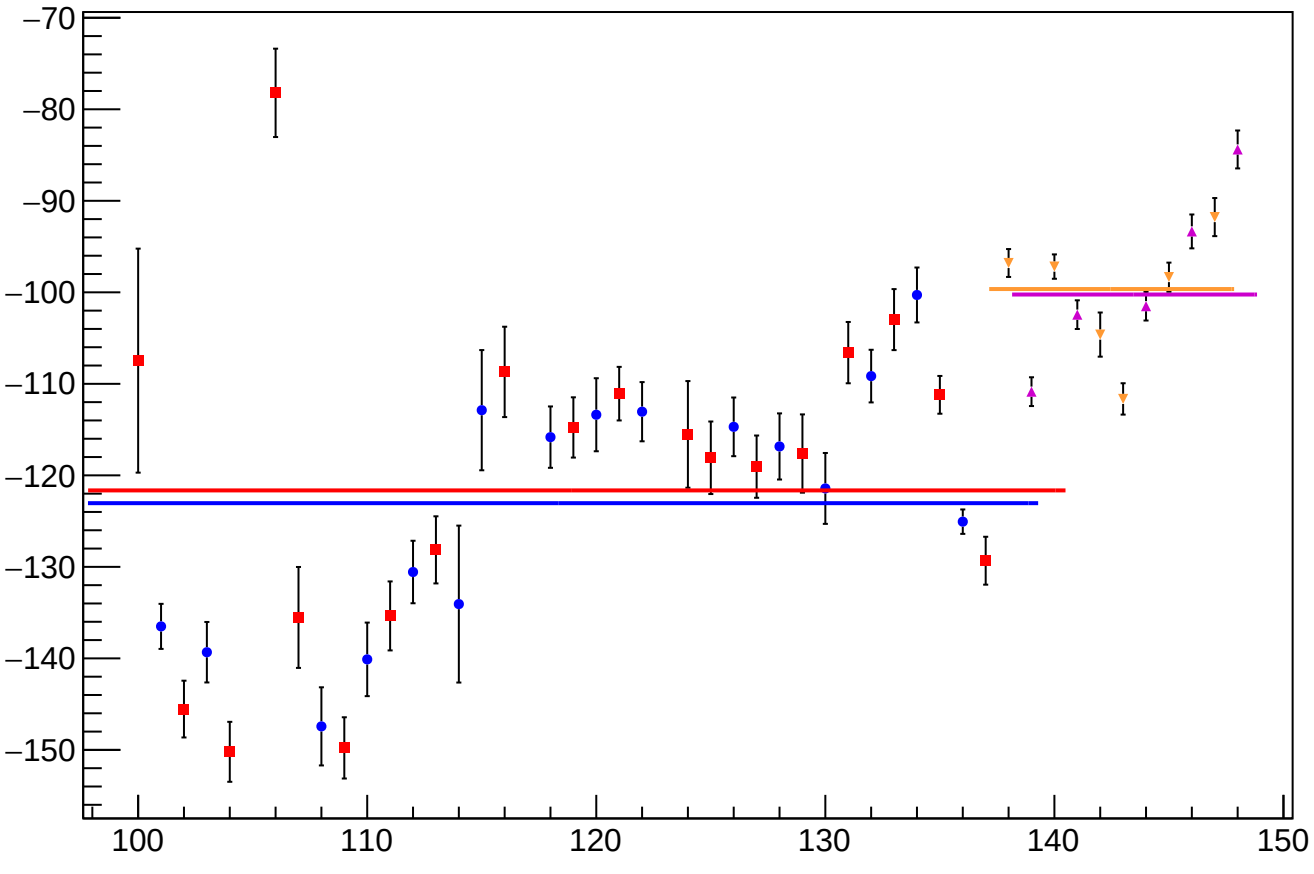
Left: -40.871+/-0.367 χ^2/NDF: 901.3/10

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -45.893+/-0.430 χ^2/NDF:2763.9/20

Out: -43.775+/-0.415 χ^2/NDF:1904.8/24

All: -44.796+/-0.299 χ^2/NDF: 4681.2/45



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.641+/-0.684 χ^2/NDF:75.2/5

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -100.240+/-0.757 χ^2/NDF:120.6/4

Left: -99.910+/-0.508 χ^2/NDF: 196.1/10

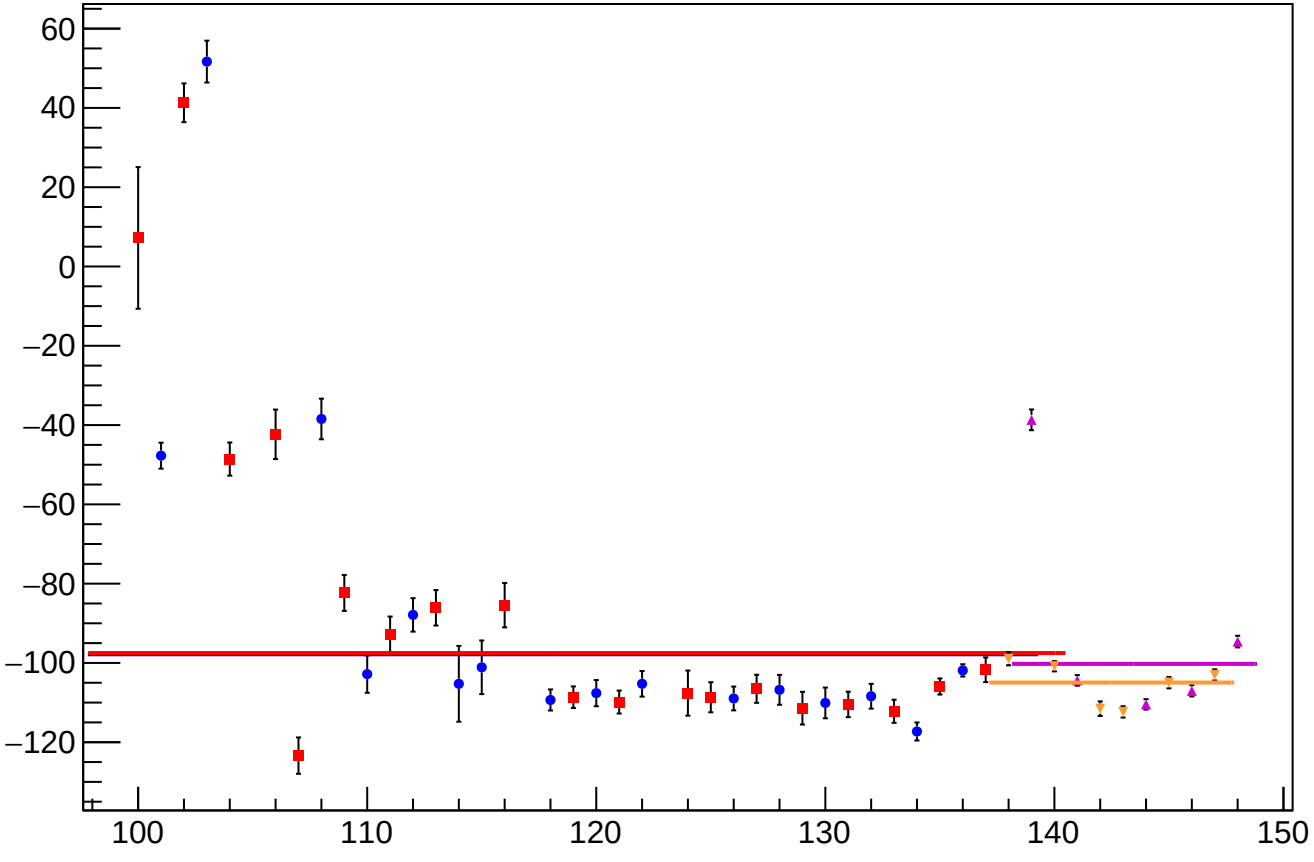
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -111.749+/-0.533 χ^2/NDF:805.0/20

Out: -108.917+/-0.520 χ^2/NDF:936.0/24

All: -110.299+/-0.372 χ^2/NDF: 1755.5/45

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: -104.942+/-0.605 χ^2/NDF:64.9/5

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -100.236+/-0.666 χ^2/NDF:661.8/4

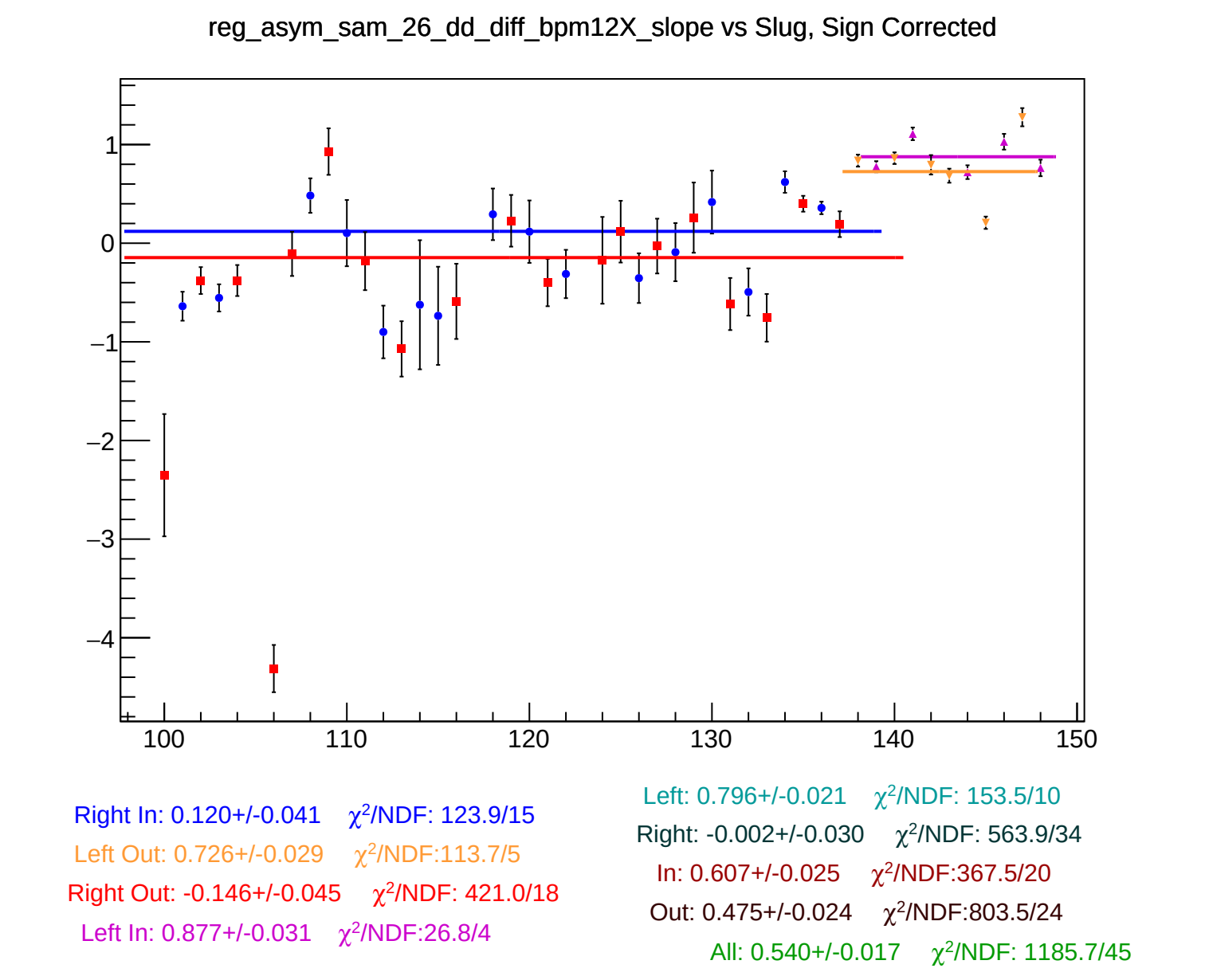
Left: -102.815+/-0.448 χ^2/NDF: 754.1/10

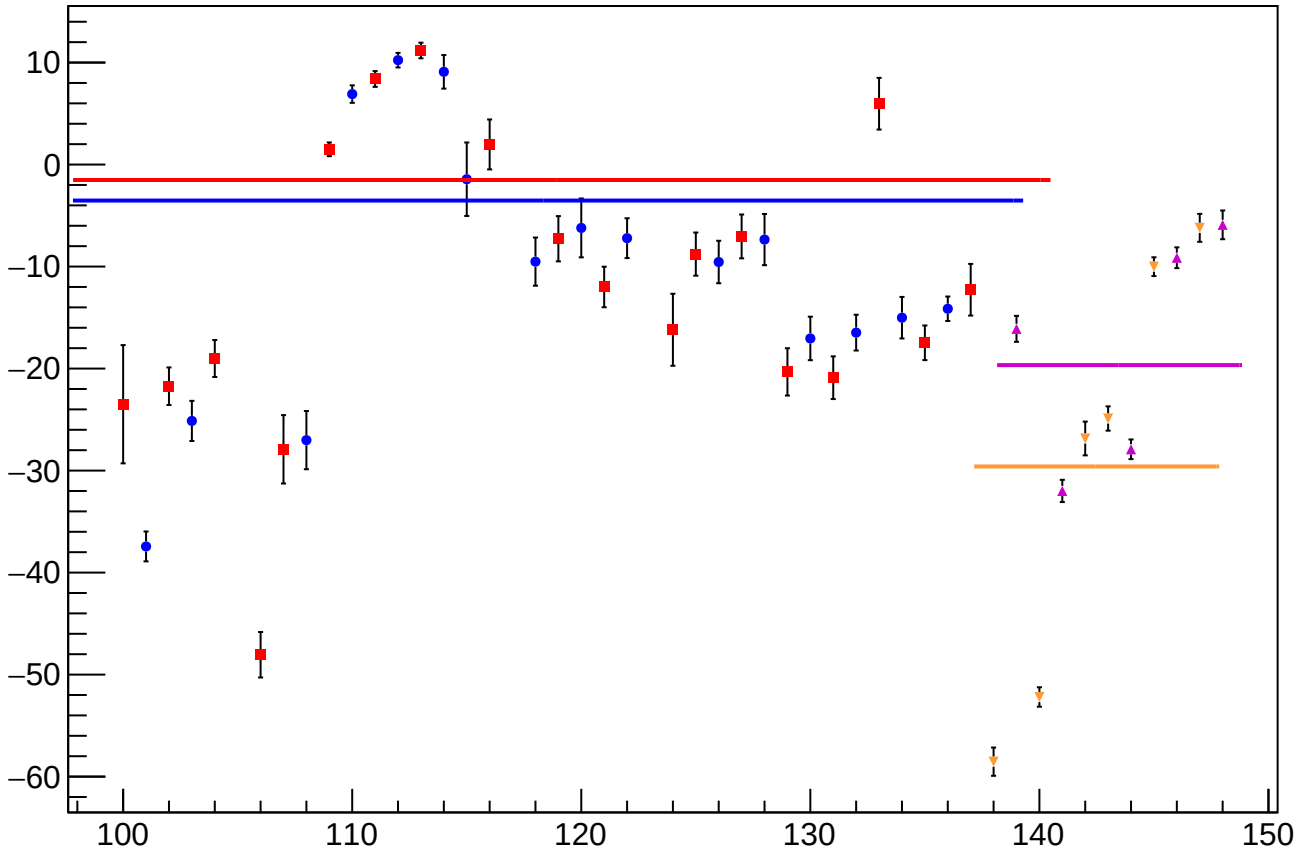
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -99.234+/-0.510 χ^2/NDF:1998.1/20

Out: -102.413+/-0.491 χ^2/NDF:1352.8/24

All: -100.883+/-0.354 χ^2/NDF: 3371.0/45


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.726+/-0.029 χ²/NDF:113.7/5
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 0.877+/-0.031 χ²/NDF:26.8/4
Left: 0.796+/-0.021 χ²/NDF: 153.5/10
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.607+/-0.025 χ²/NDF:367.5/20
Out: 0.475+/-0.024 χ²/NDF:803.5/24
All: 0.540+/-0.017 χ²/NDF: 1185.7/45



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -29.596+/-0.476 χ^2/NDF:1762.3/5

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -19.659+/-0.500 χ^2/NDF:411.4/4

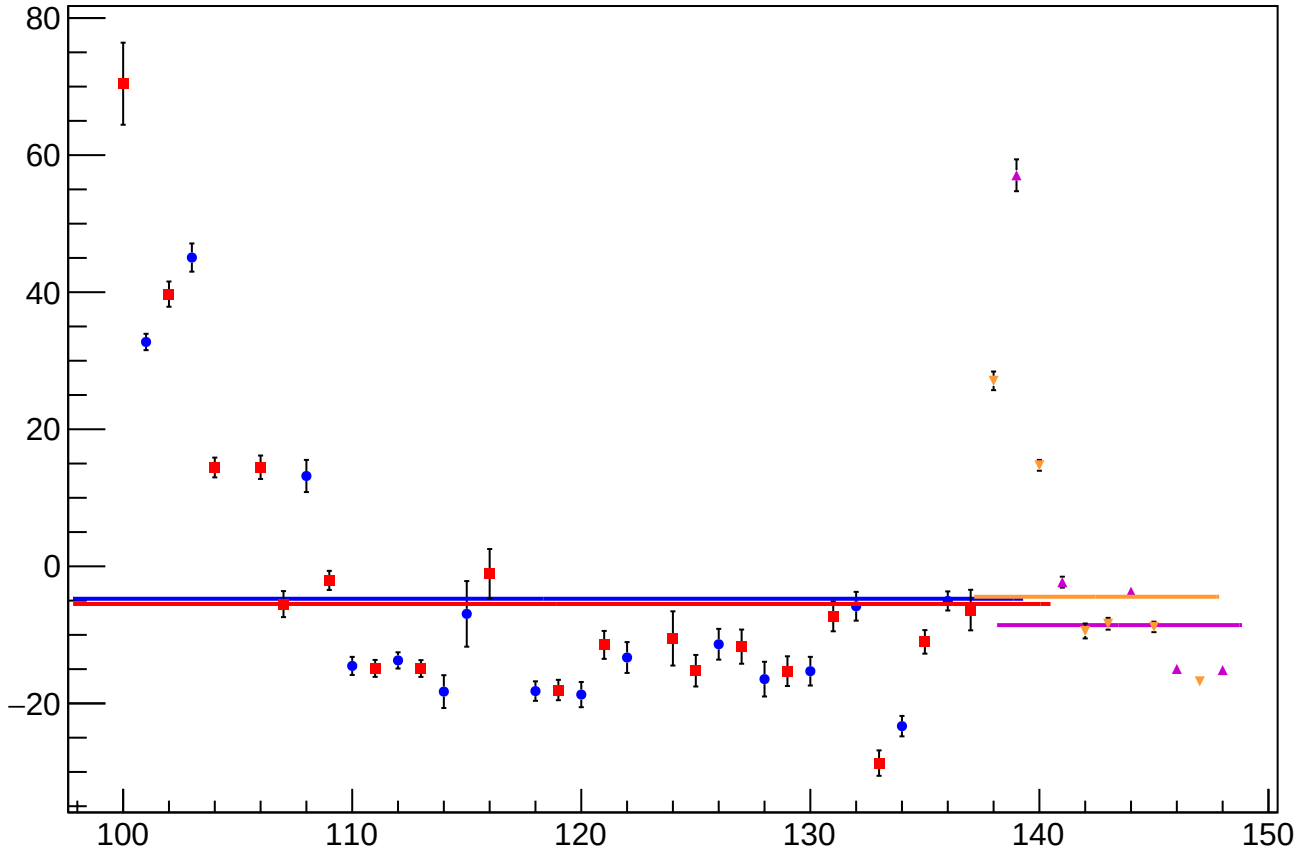
Left: -24.865+/-0.345 χ^2/NDF: 2380.9/10

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.374+/-0.301 χ^2/NDF:2605.0/20

Out: -10.934+/-0.276 χ^2/NDF:5596.7/24

All: -10.222+/-0.203 χ^2/NDF: 8216.3/45



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.436+/-0.342 χ^2/NDF:1580.8/5

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.574+/-0.340 χ^2/NDF:1111.5/4

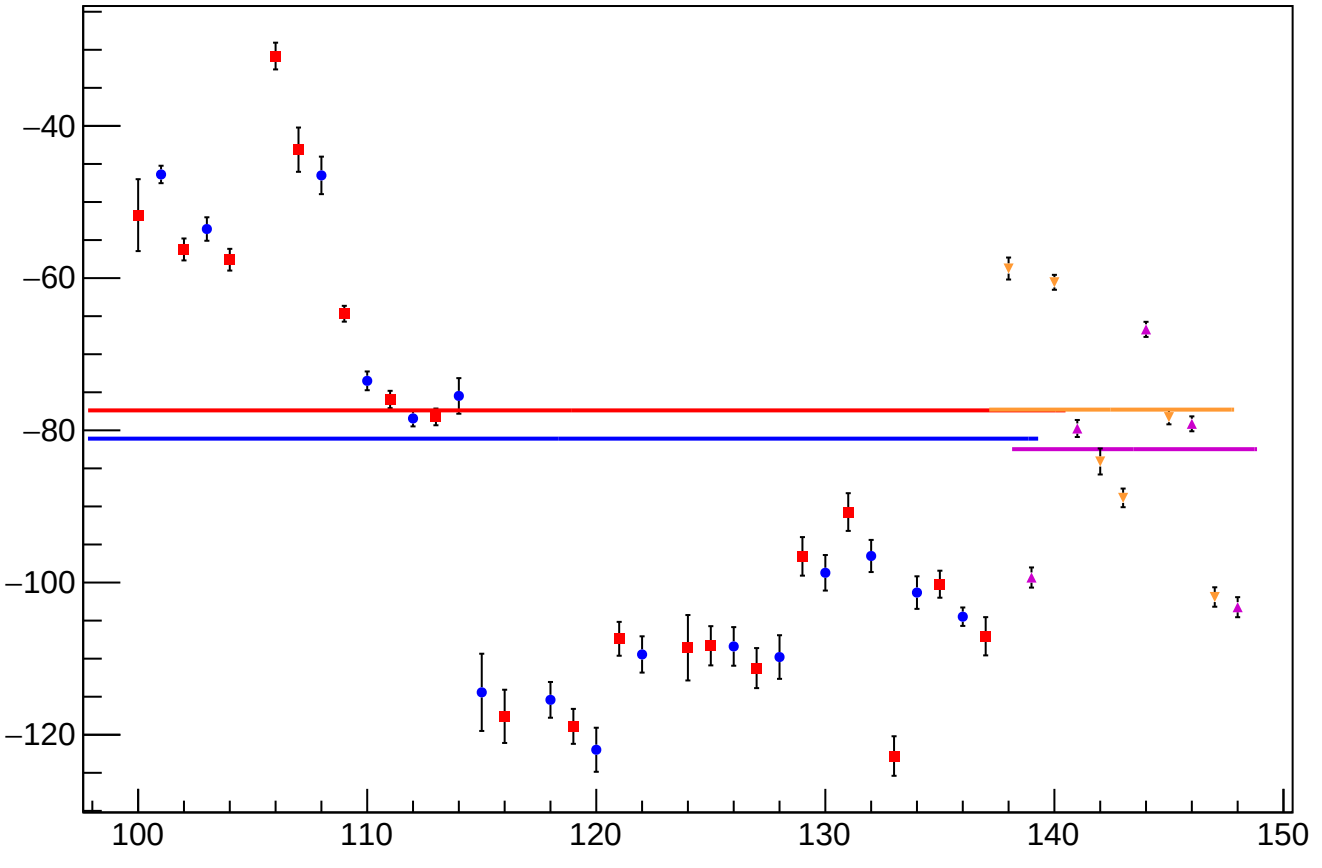
Left: -6.517+/-0.241 χ^2/NDF: 2765.8/10

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.097+/-0.267 χ^2/NDF:3308.5/20

Out: -4.854+/-0.266 χ^2/NDF:3093.1/24

All: -5.971+/-0.188 χ^2/NDF: 6437.1/45



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -77.278+/-0.484 χ^2/NDF:934.0/5

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -82.475+/-0.500 χ^2/NDF:679.5/4

Left: -79.794+/-0.348 χ^2/NDF: 1669.2/10

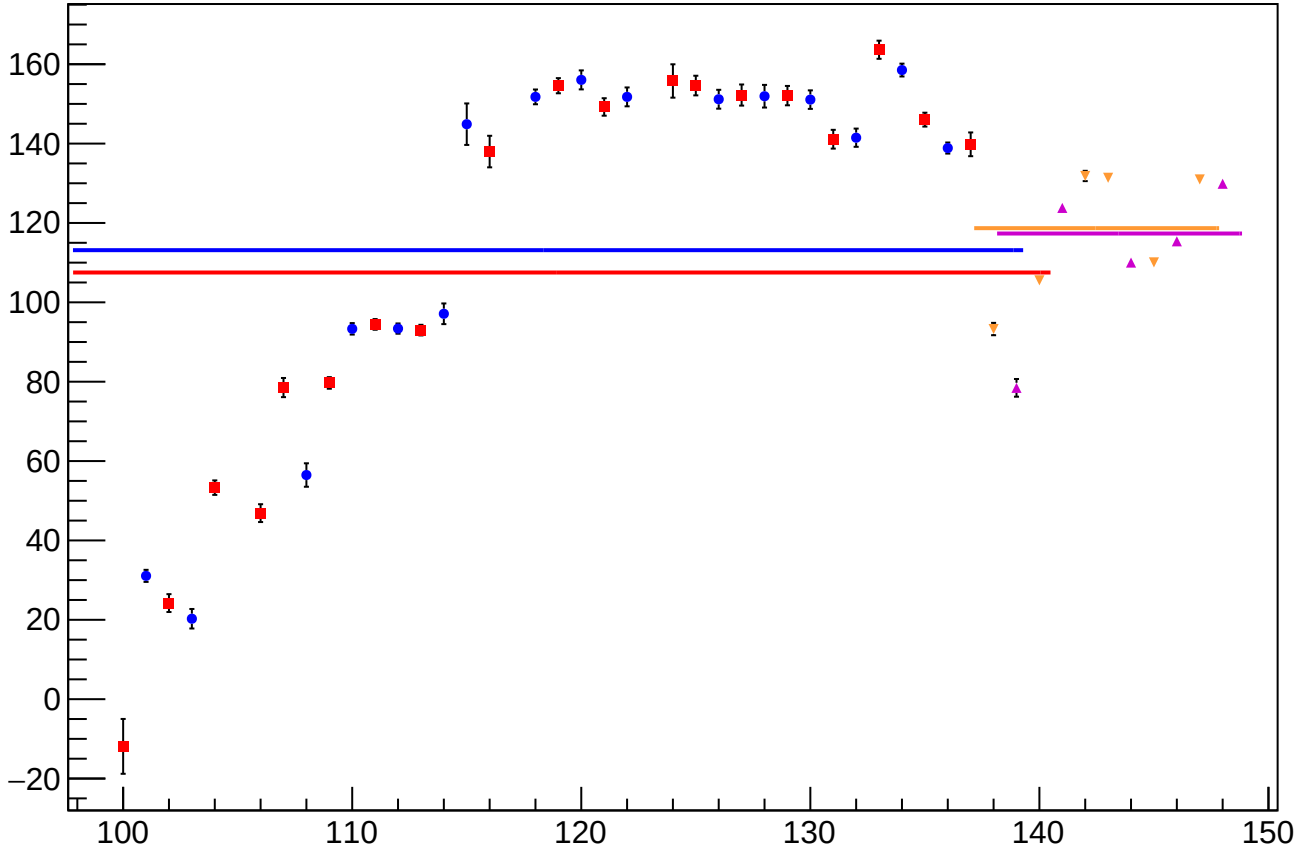
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -81.693+/-0.330 χ^2/NDF:3554.1/20

Out: -77.336+/-0.316 χ^2/NDF:4063.7/24

All: -79.422+/-0.228 χ^2/NDF: 7708.9/45

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: 118.687+/-0.418 χ^2/NDF:1014.4/5

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 117.339+/-0.421 χ^2/NDF:615.8/4

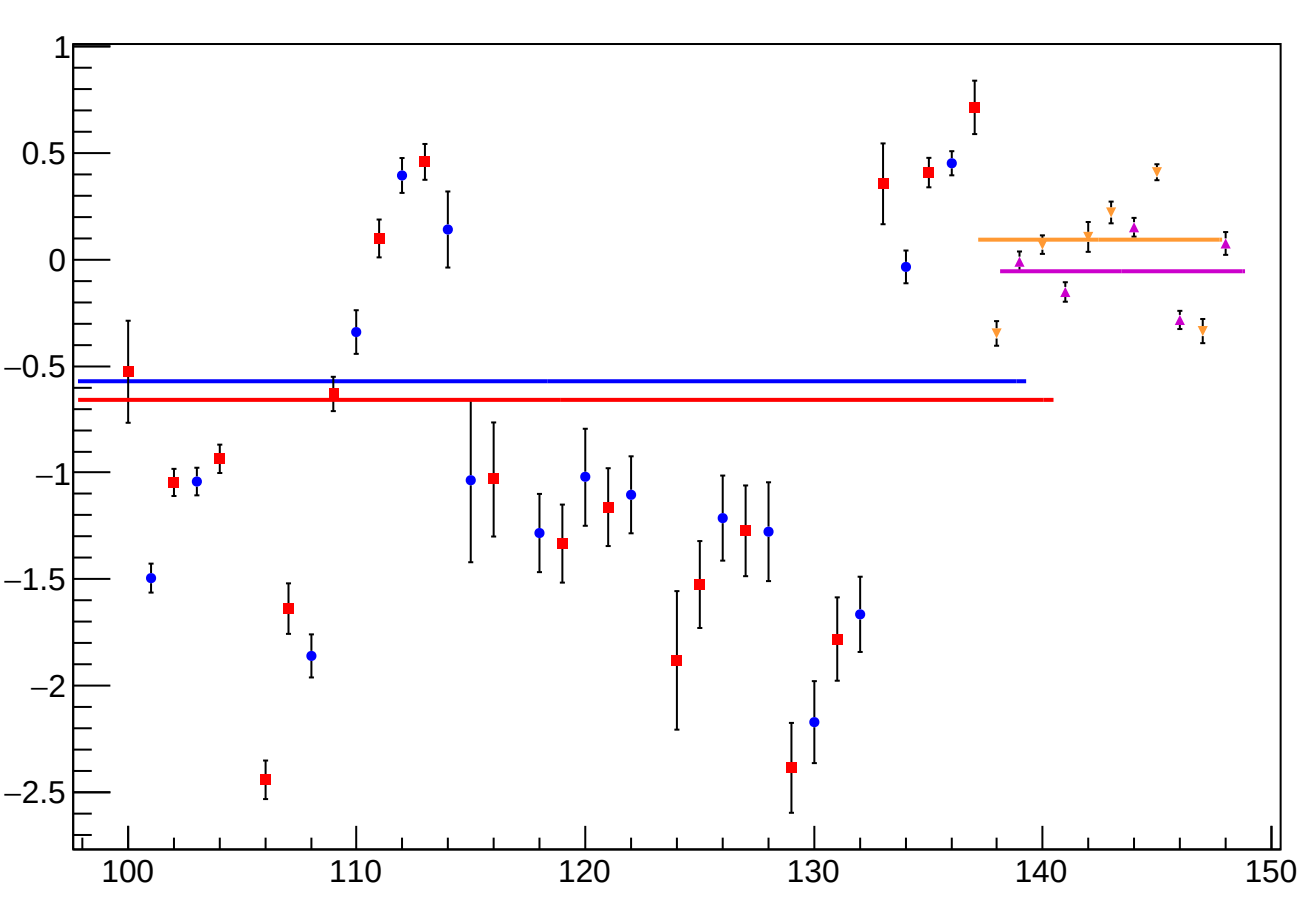
Left: 118.018+/-0.297 χ^2/NDF: 1635.4/10

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 115.552+/-0.319 χ^2/NDF:8862.2/20

Out: 113.861+/-0.315 χ^2/NDF:8867.0/24

All: 114.696+/-0.224 χ^2/NDF: 17743.4/45



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.094+/-0.020 χ^2/NDF:193.2/5

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.054+/-0.021 χ^2/NDF:62.0/4

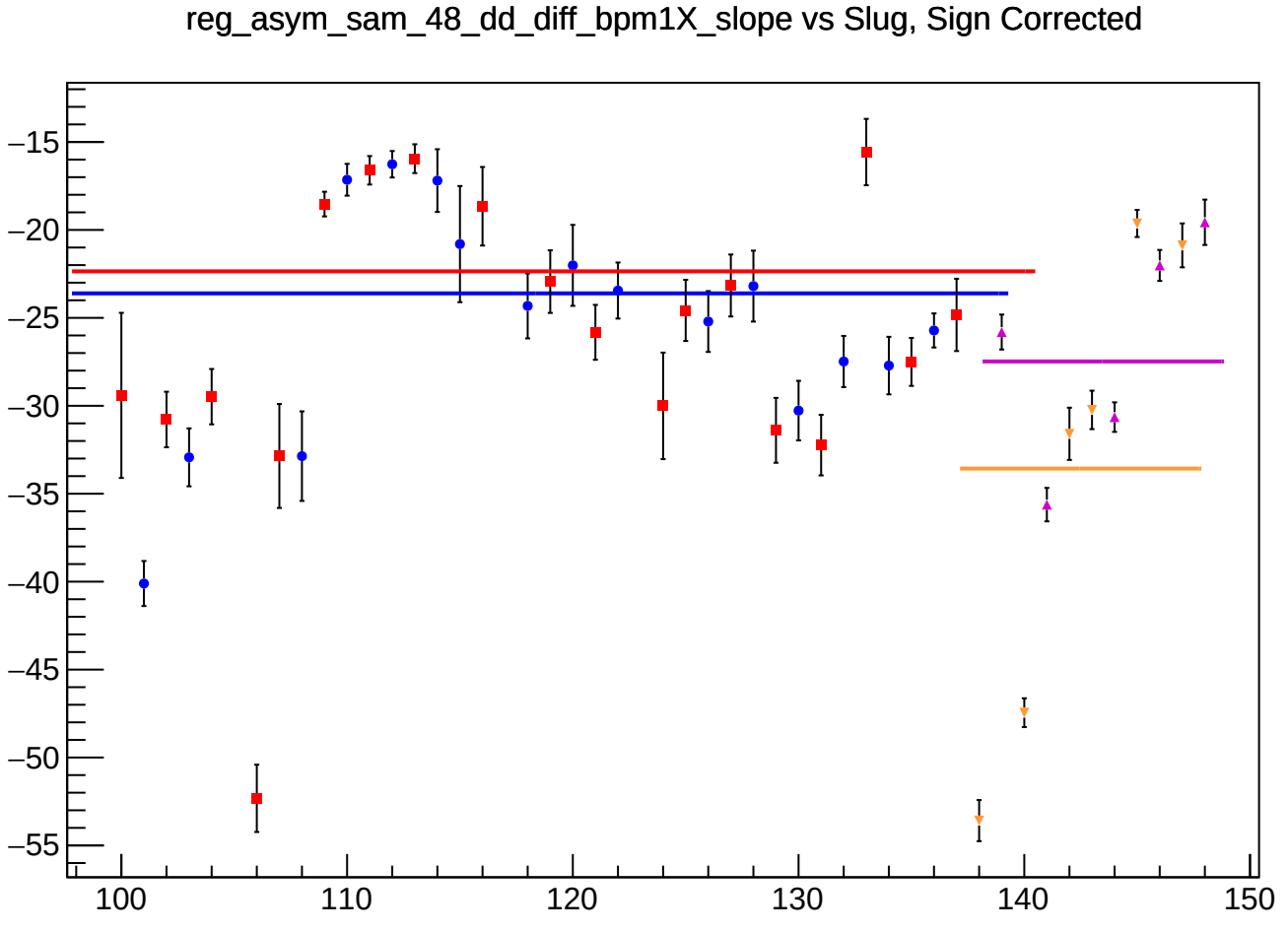
Left: 0.022+/-0.014 χ^2/NDF: 281.4/10

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.256+/-0.016 χ^2/NDF:1402.4/20

Out: -0.199+/-0.016 χ^2/NDF:2048.1/24

All: -0.227+/-0.011 χ^2/NDF: 3456.6/45



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.569+/-0.414 χ^2/NDF:1021.9/5

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -27.478+/-0.429 χ^2/NDF:166.4/4

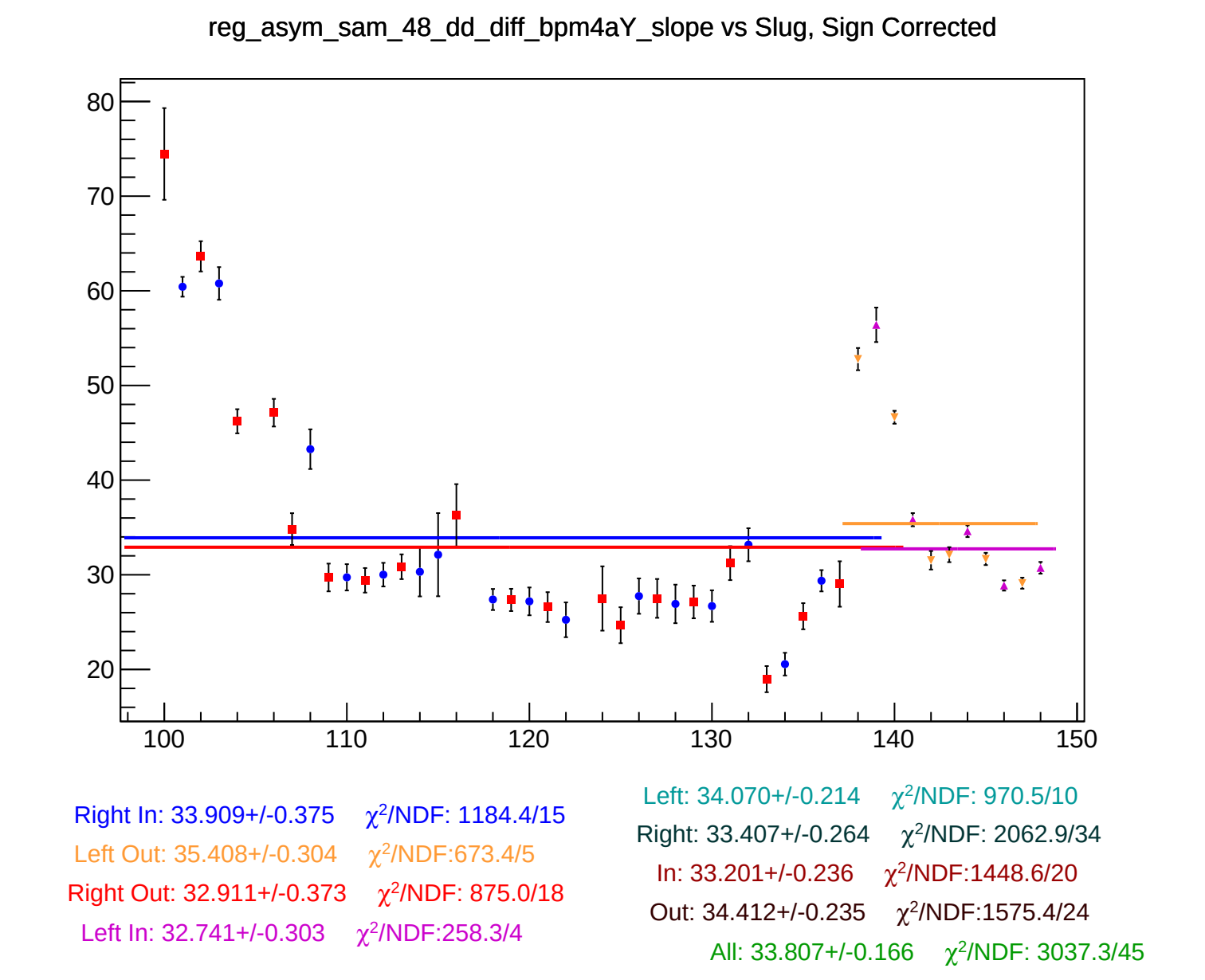
Left: -30.635+/-0.298 χ^2/NDF: 1292.7/10

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

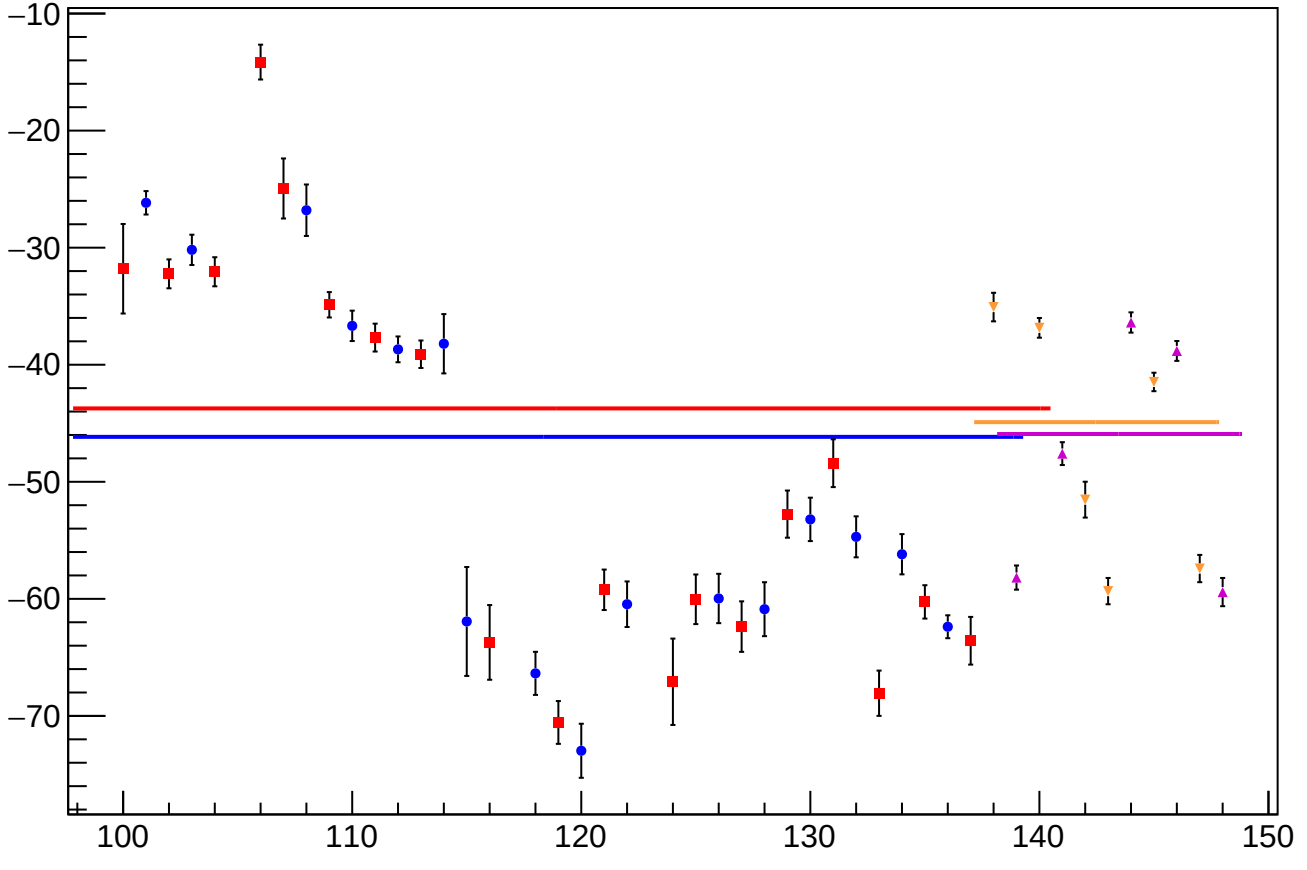
In: -25.144+/-0.270 χ^2/NDF:621.9/20

Out: -26.579+/-0.254 χ^2/NDF:2031.3/24

All: -25.906+/-0.185 χ^2/NDF: 2668.1/45


reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 33.909+/-0.375 χ2/NDF: 1184.4/15
Left Out: 35.408+/-0.304 χ2/NDF:673.4/5
Right Out: 32.911+/-0.373 χ2/NDF: 875.0/18
Left In: 32.741+/-0.303 χ2/NDF:258.3/4
Left: 34.070+/-0.214 χ2/NDF: 970.5/10
Right: 33.407+/-0.264 χ2/NDF: 2062.9/34
In: 33.201+/-0.236 χ2/NDF:1448.6/20
Out: 34.412+/-0.235 χ2/NDF:1575.4/24
All: 33.807+/-0.166 χ2/NDF: 3037.3/45

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -44.904+/-0.421 χ^2/NDF:473.9/5

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -45.916+/-0.430 χ^2/NDF:460.2/4

Left: -45.399+/-0.301 χ^2/NDF: 936.9/10

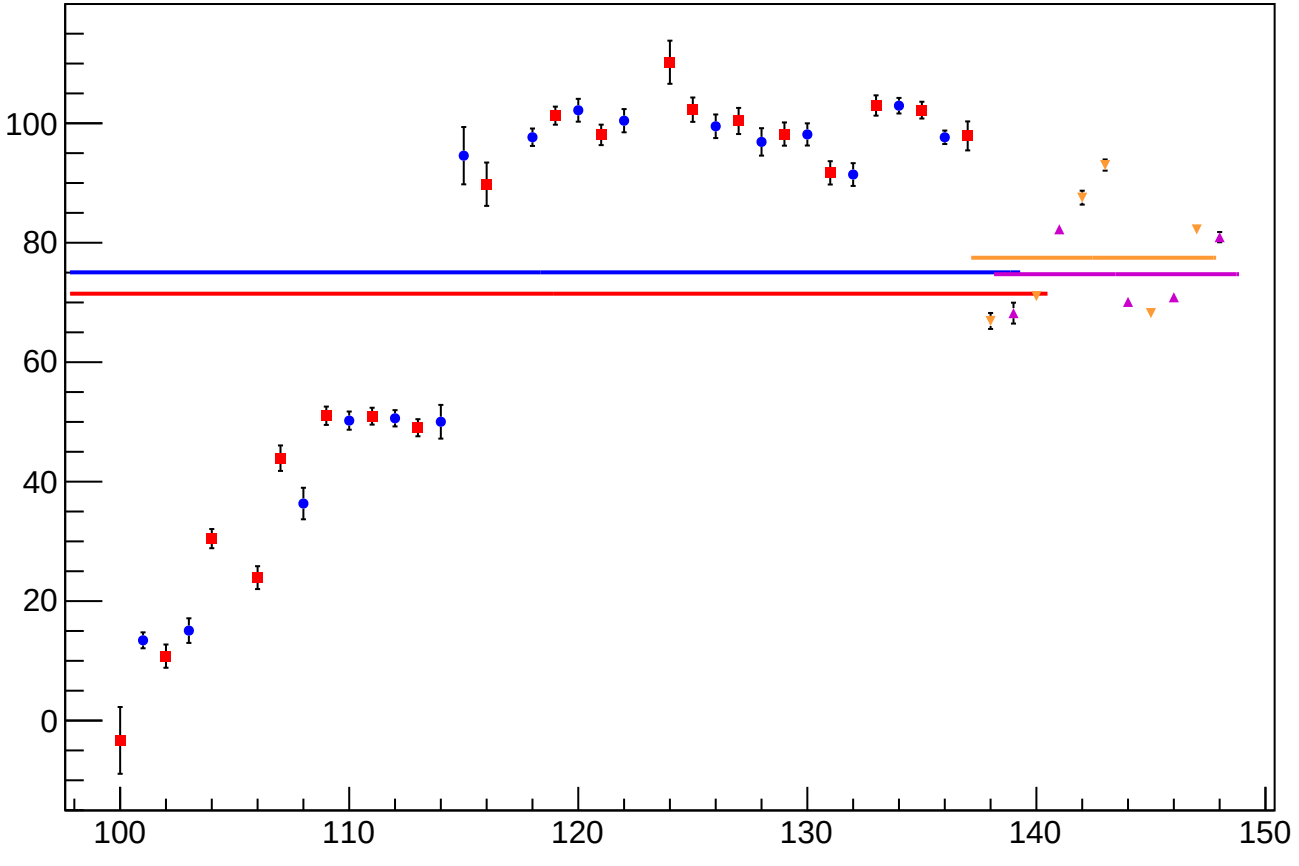
Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -46.050+/-0.289 χ^2/NDF:1950.1/20

Out: -44.254+/-0.281 χ^2/NDF:2141.5/24

All: -45.129+/-0.202 χ^2/NDF: 4111.4/45

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.489+/-0.369 χ^2/NDF:667.4/5

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 74.733+/-0.371 χ^2/NDF:223.0/4

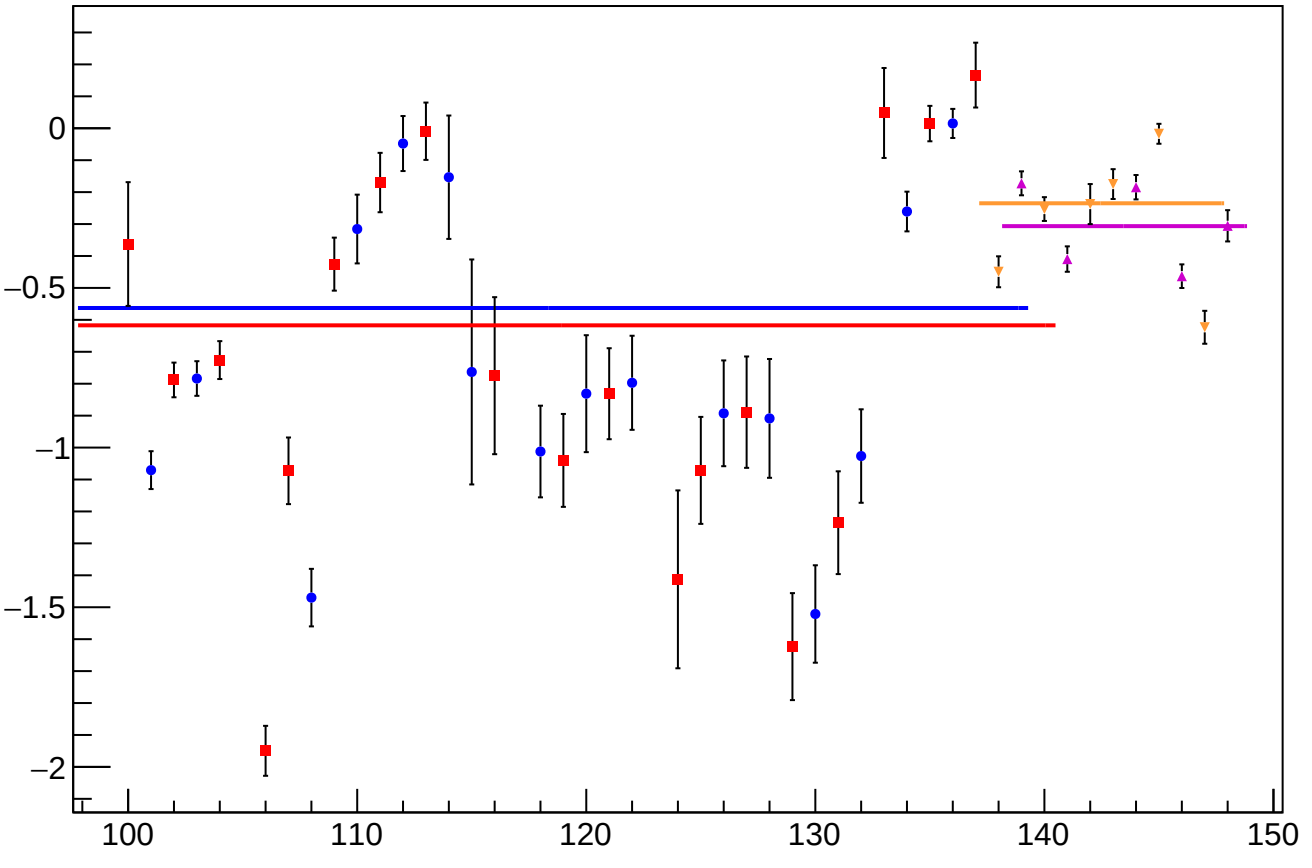
Left: 76.119+/-0.261 χ^2/NDF: 918.1/10

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.866+/-0.280 χ^2/NDF:6051.6/20

Out: 74.908+/-0.279 χ^2/NDF:6409.9/24

All: 74.887+/-0.198 χ^2/NDF: 12461.4/45



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.235+/-0.018 χ^2/NDF:126.9/5

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.307+/-0.018 χ^2/NDF:47.7/4

Left: -0.270+/-0.012 χ^2/NDF: 182.8/10

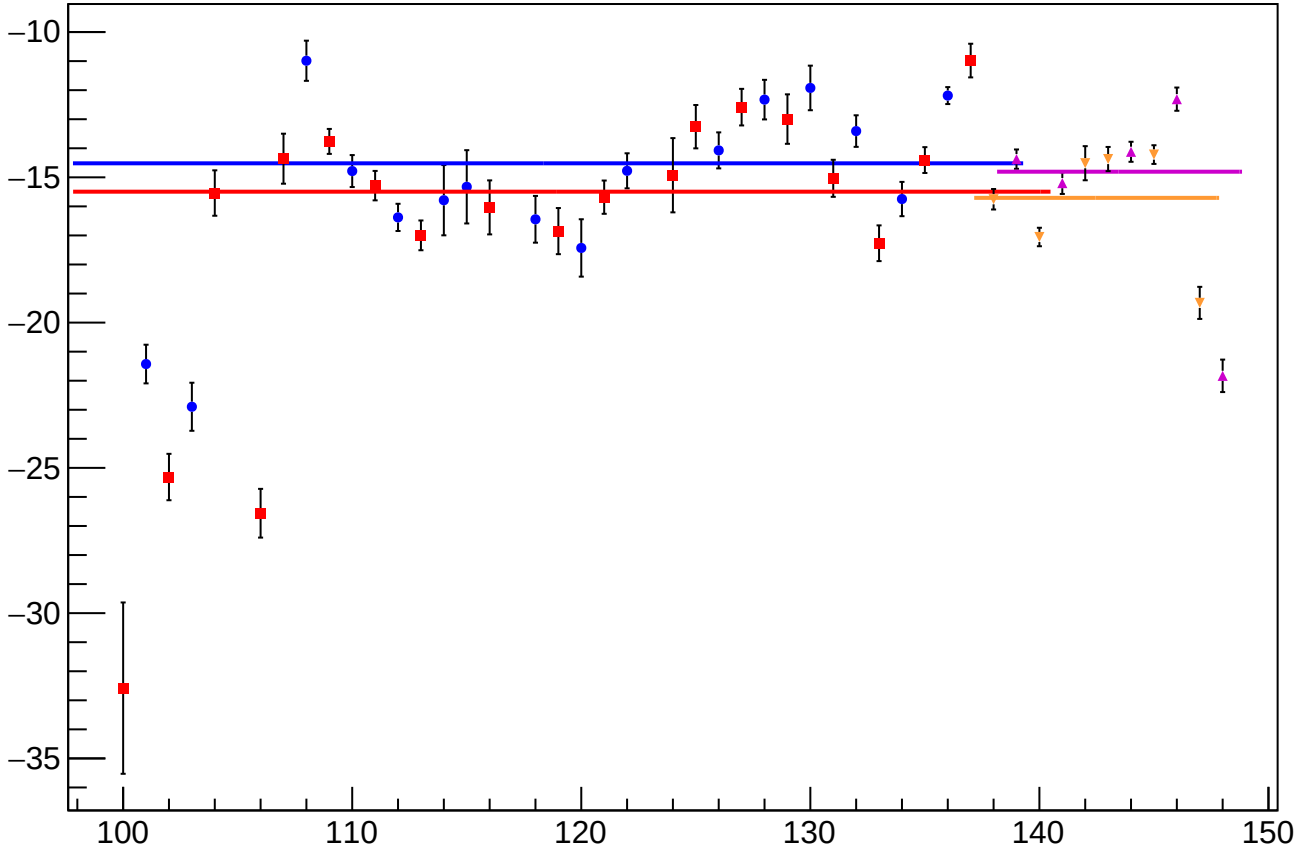
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.406+/-0.014 χ^2/NDF:621.9/20

Out: -0.382+/-0.014 χ^2/NDF:999.8/24

All: -0.394+/-0.010 χ^2/NDF: 1623.3/45

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.707+/-0.159 χ^2/NDF:96.7/5

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.806+/-0.171 χ^2/NDF:203.8/4

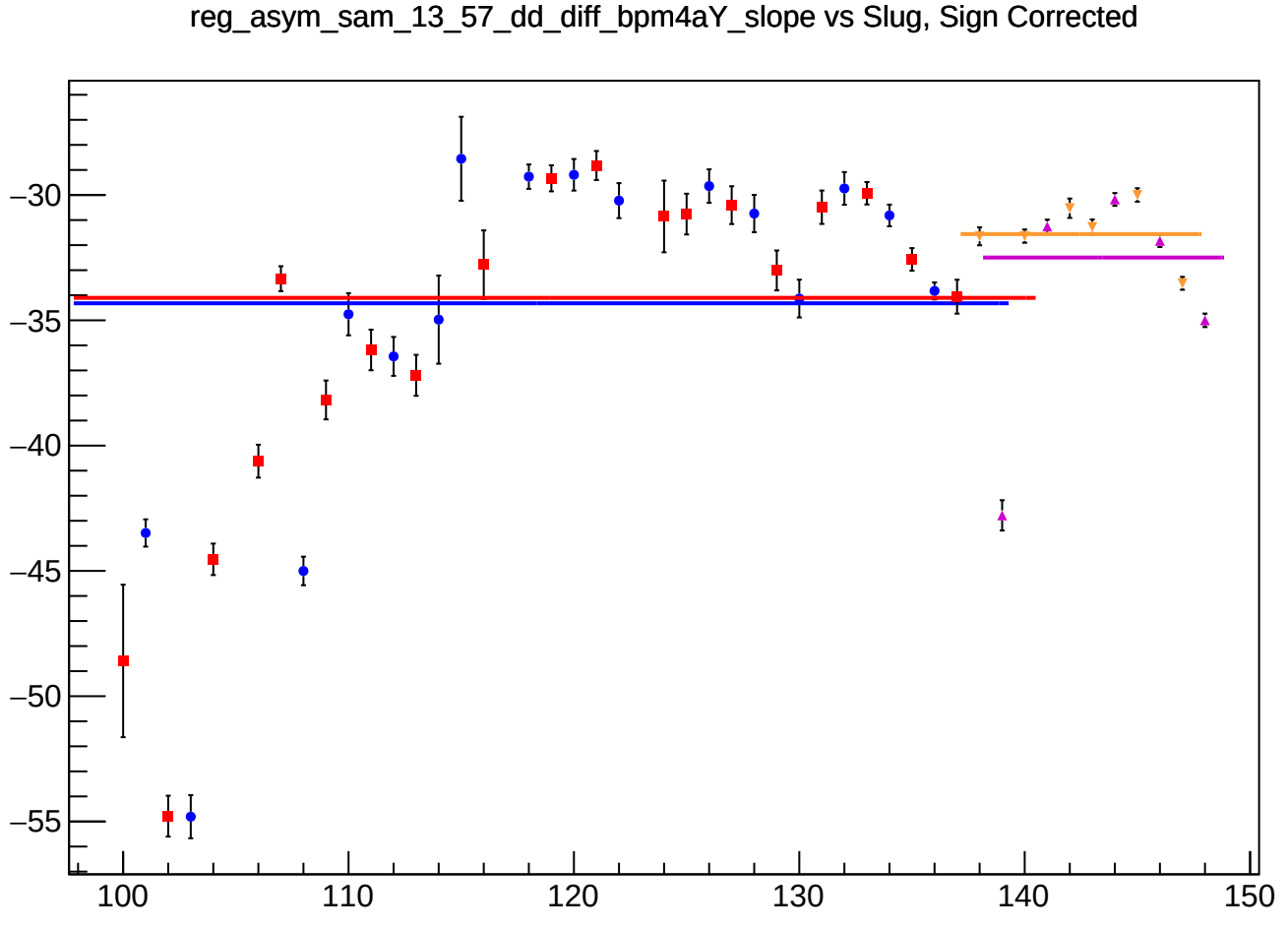
Left: -15.290+/-0.117 χ^2/NDF: 315.4/10

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

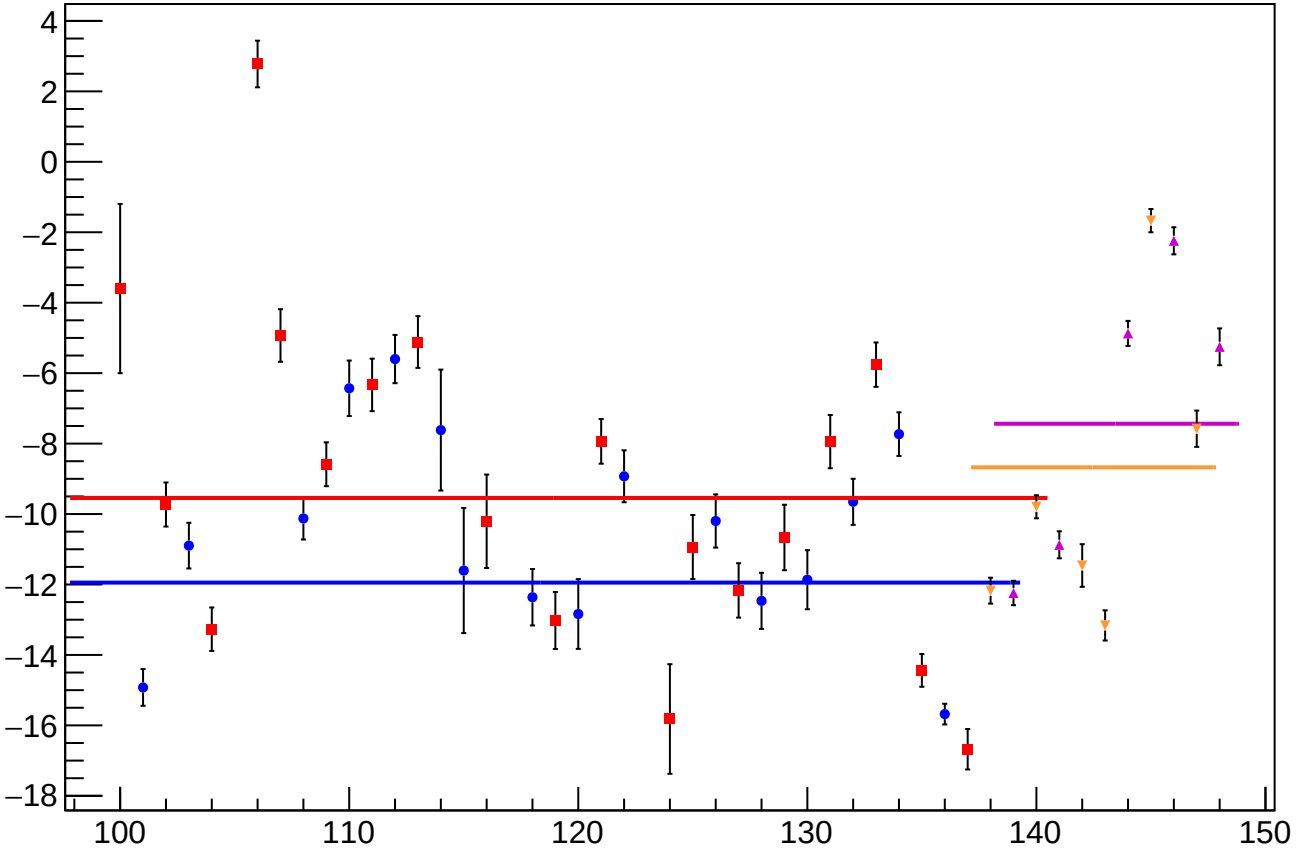
In: -14.642+/-0.113 χ^2/NDF:568.8/20

Out: -15.594+/-0.109 χ^2/NDF:601.5/24

All: -15.133+/-0.078 χ^2/NDF: 1207.1/45


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−30
−35
−40
−45
−50
−55
100
110
120
130
140
150
Right In: -34.321+/-0.153 χ²/NDF: 1620.5/15
Left Out: -31.558+/-0.121 χ²/NDF:100.0/5
Right Out: -34.104+/-0.154 χ²/NDF: 1434.8/18
Left In: -32.495+/-0.127 χ²/NDF:486.5/4
Left: -32.002+/-0.088 χ²/NDF: 615.0/10
Right: -34.213+/-0.109 χ²/NDF: 3056.3/34
In: -33.241+/-0.098 χ²/NDF:2191.0/20
Out: -32.527+/-0.095 χ²/NDF:1703.7/24
All: -32.873+/-0.068 χ²/NDF: 3922.1/45

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: -8.674+/-0.163 χ^2/NDF:688.2/5

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.437+/-0.173 χ^2/NDF:524.6/4

Left: -8.093+/-0.118 χ^2/NDF: 1240.0/10

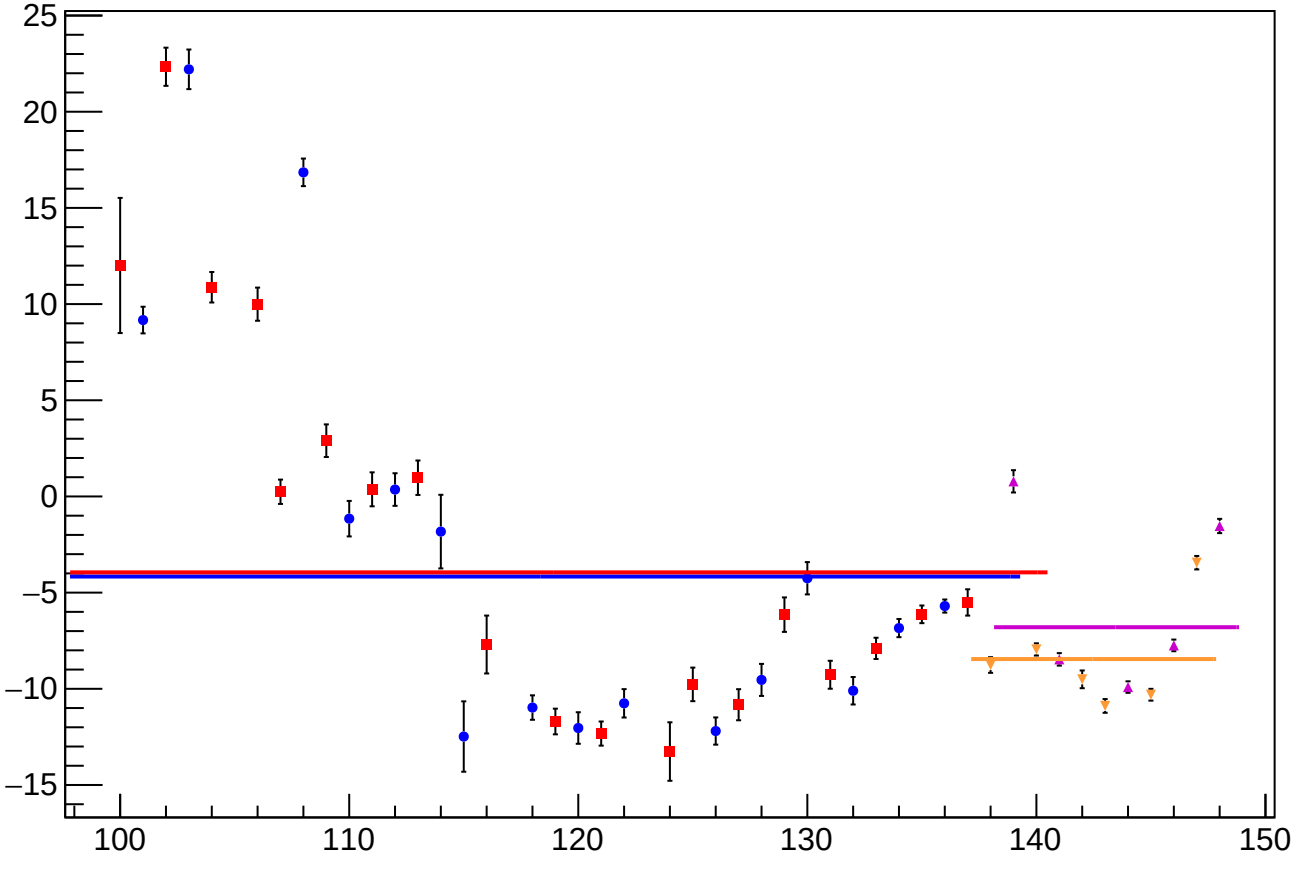
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.864+/-0.117 χ^2/NDF:1321.0/20

Out: -9.101+/-0.116 χ^2/NDF:1549.4/24

All: -9.477+/-0.082 χ^2/NDF: 2891.7/45

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.453+/-0.145 χ^2/NDF:295.7/5

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.798+/-0.155 χ^2/NDF:517.1/4

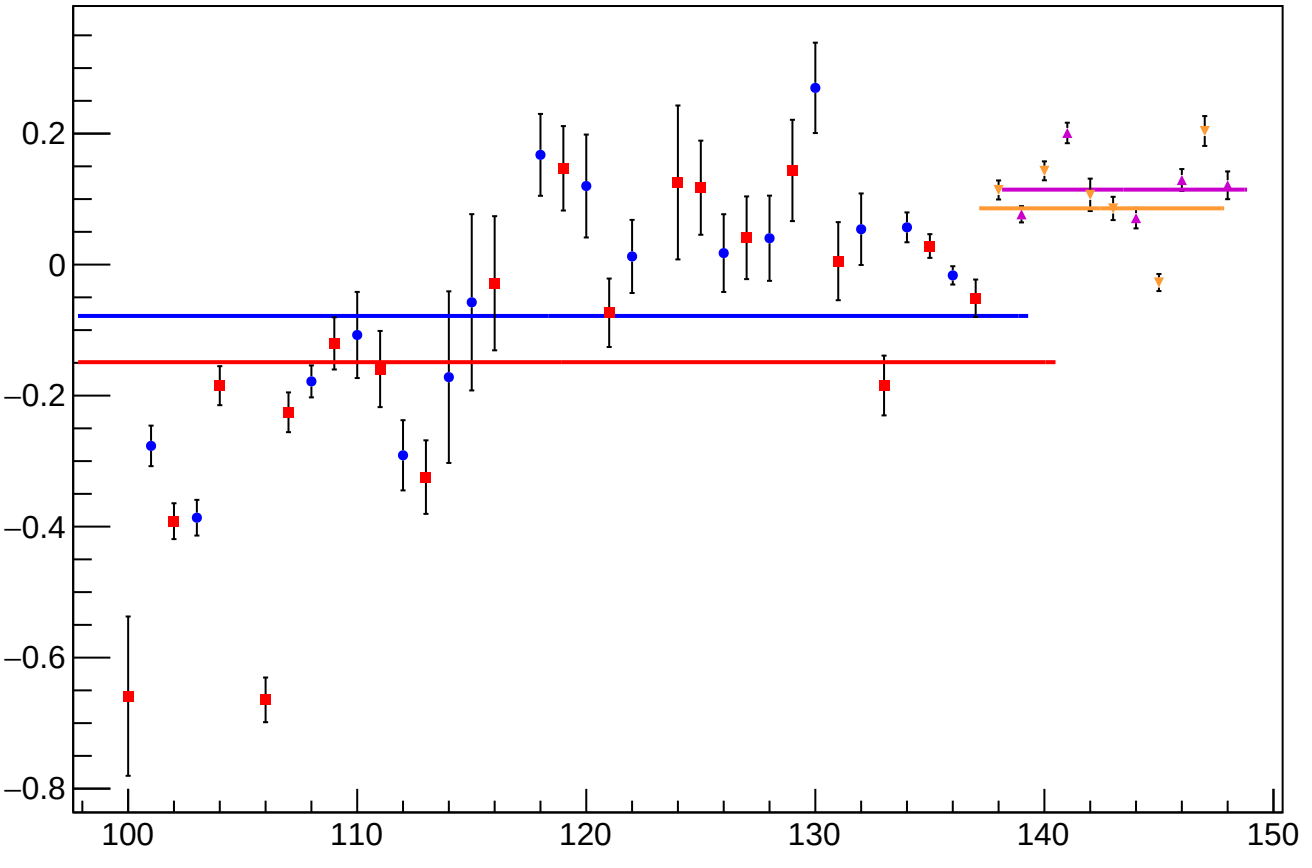
Left: -7.676+/-0.106 χ^2/NDF: 873.5/10

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -5.619+/-0.115 χ^2/NDF:3171.8/20

Out: -6.624+/-0.112 χ^2/NDF:2795.3/24

All: -6.134+/-0.080 χ^2/NDF: 6006.4/45



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.086+/-0.007 χ^2/NDF:122.3/5

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.114+/-0.007 χ^2/NDF:48.3/4

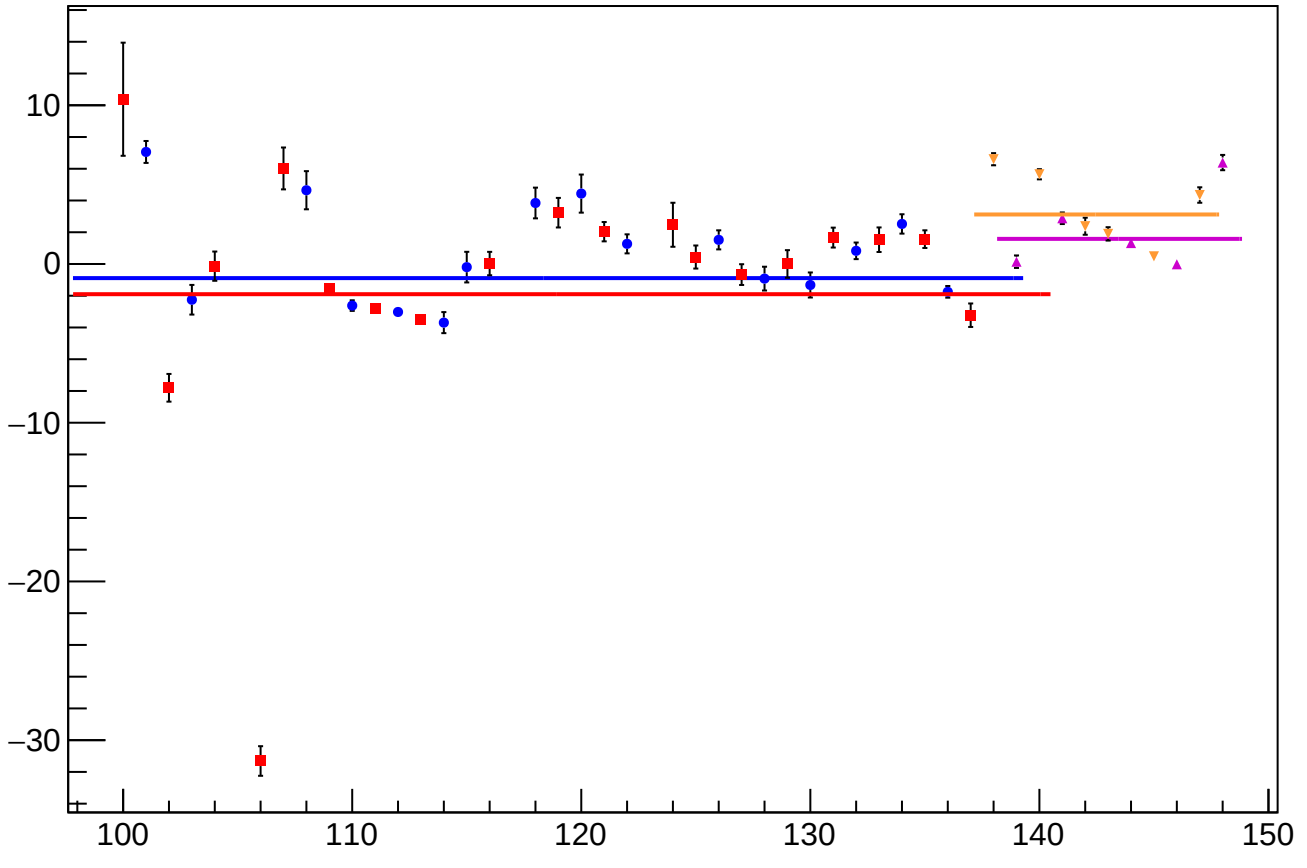
Left: 0.100+/-0.005 χ^2/NDF: 179.3/10

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.037+/-0.005 χ^2/NDF:670.9/20

Out: 0.003+/-0.005 χ^2/NDF:1079.5/24

All: 0.020+/-0.004 χ^2/NDF: 1771.0/45



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.120+/-0.147 χ^2/NDF:277.8/5

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.583+/-0.152 χ^2/NDF:154.7/4

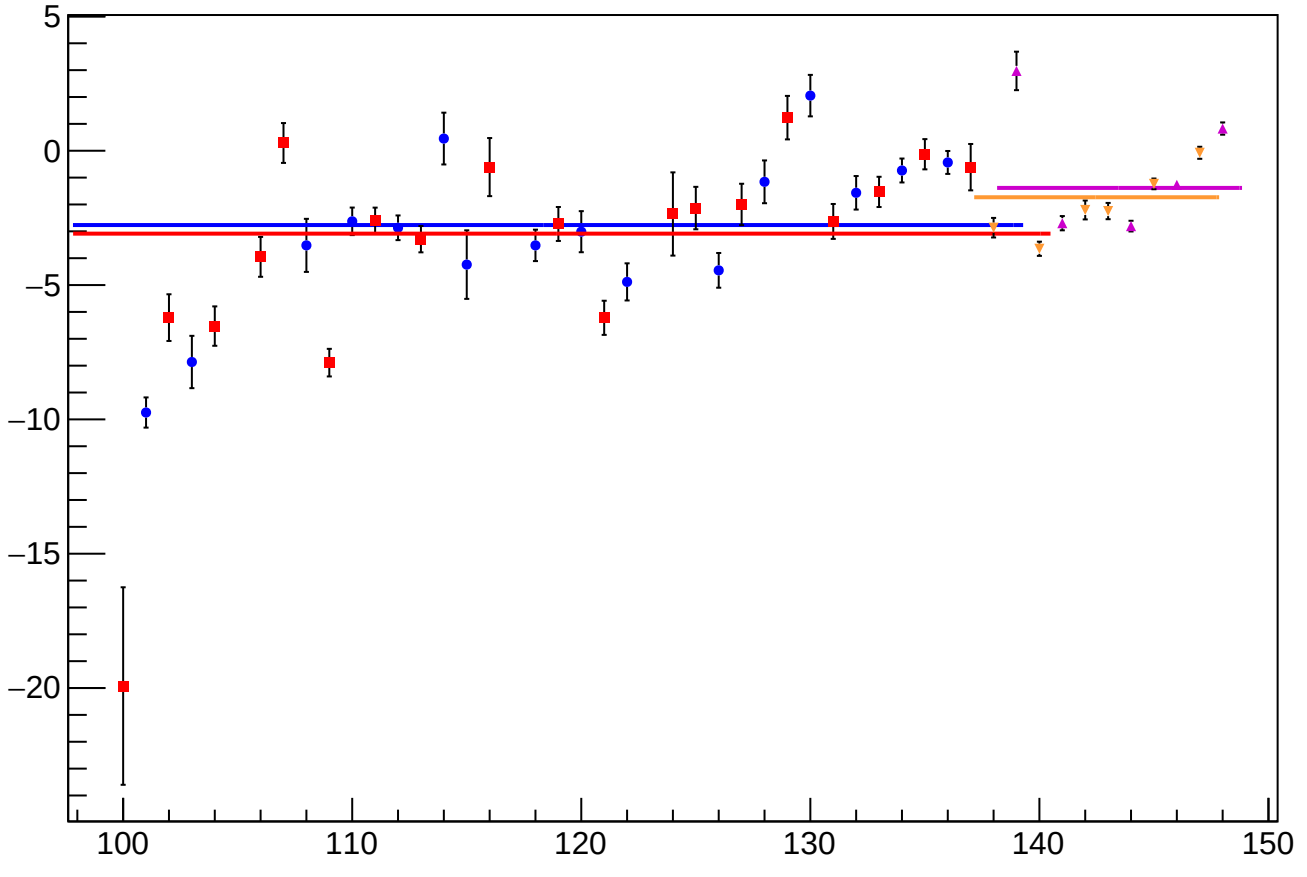
Left: 2.381+/-0.106 χ^2/NDF: 485.3/10

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.212+/-0.102 χ^2/NDF:680.8/20

Out: 0.277+/-0.097 χ^2/NDF:2274.0/24

All: 0.246+/-0.070 χ^2/NDF: 2955.1/45



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.732+/-0.108 χ^2/NDF:127.6/5

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.384+/-0.104 χ^2/NDF:206.6/4

Left: -1.551+/-0.075 χ^2/NDF: 339.6/10

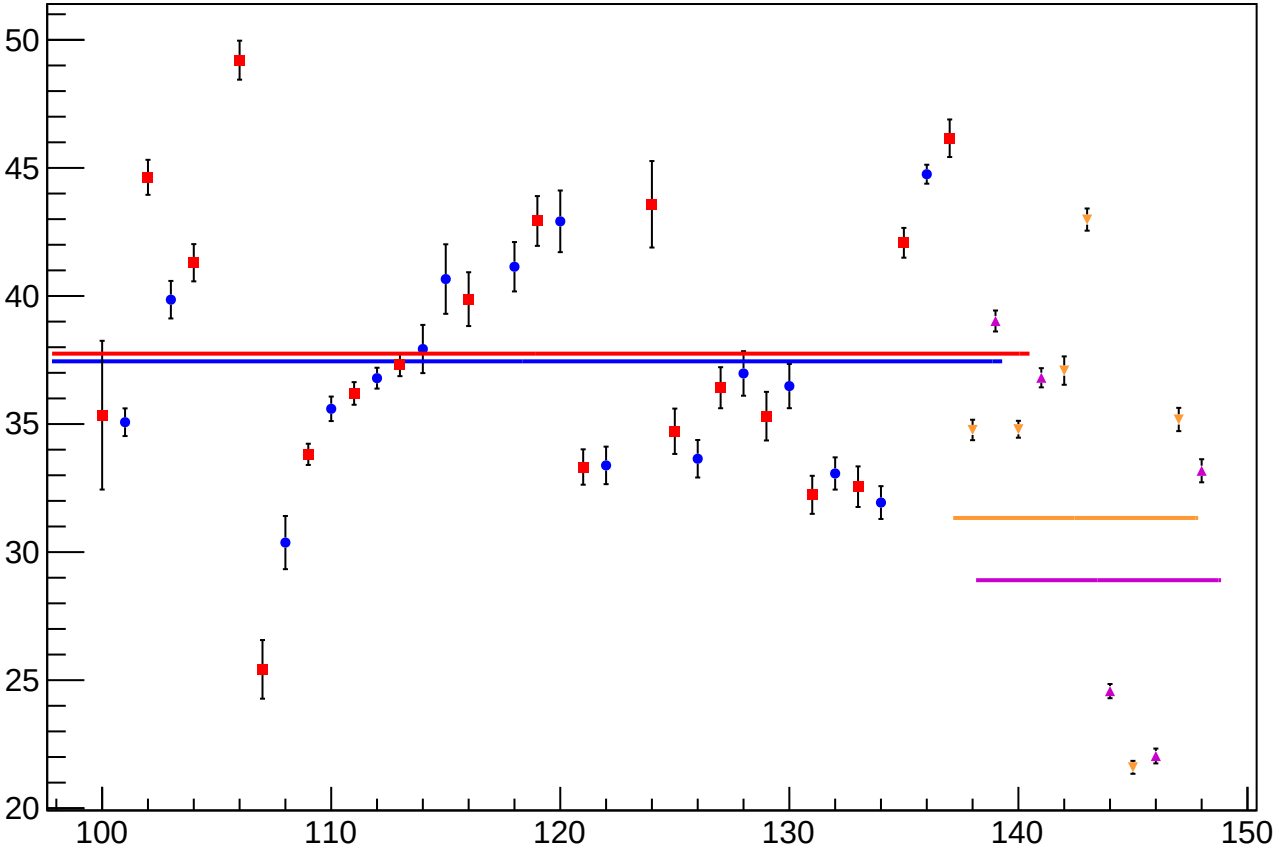
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.808+/-0.087 χ^2/NDF:570.9/20

Out: -2.165+/-0.089 χ^2/NDF:450.3/24

All: -1.981+/-0.062 χ^2/NDF: 1029.5/45

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 31.333+/-0.150 χ^2/NDF:2574.6/5

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.903+/-0.153 χ^2/NDF:1948.1/4

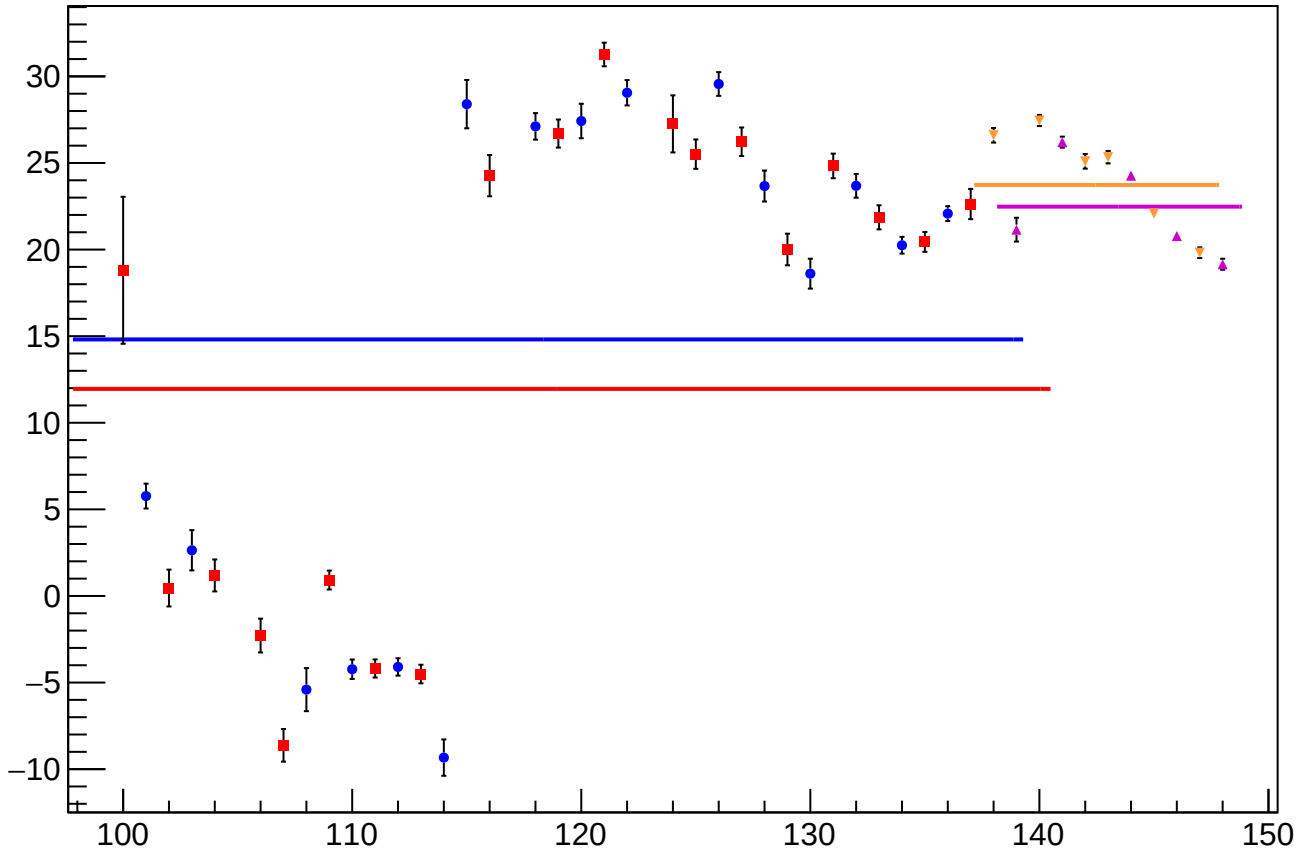
Left: 30.142+/-0.107 χ^2/NDF: 4651.7/10

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 32.959+/-0.111 χ^2/NDF:4140.3/20

Out: 34.341+/-0.109 χ^2/NDF:4398.4/24

All: 33.660+/-0.078 χ^2/NDF: 8617.7/45



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.731+/-0.131 χ^2/NDF:426.7/5

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.128 χ^2/NDF:369.1/4

Left: 23.094+/-0.092 χ^2/NDF: 842.5/10

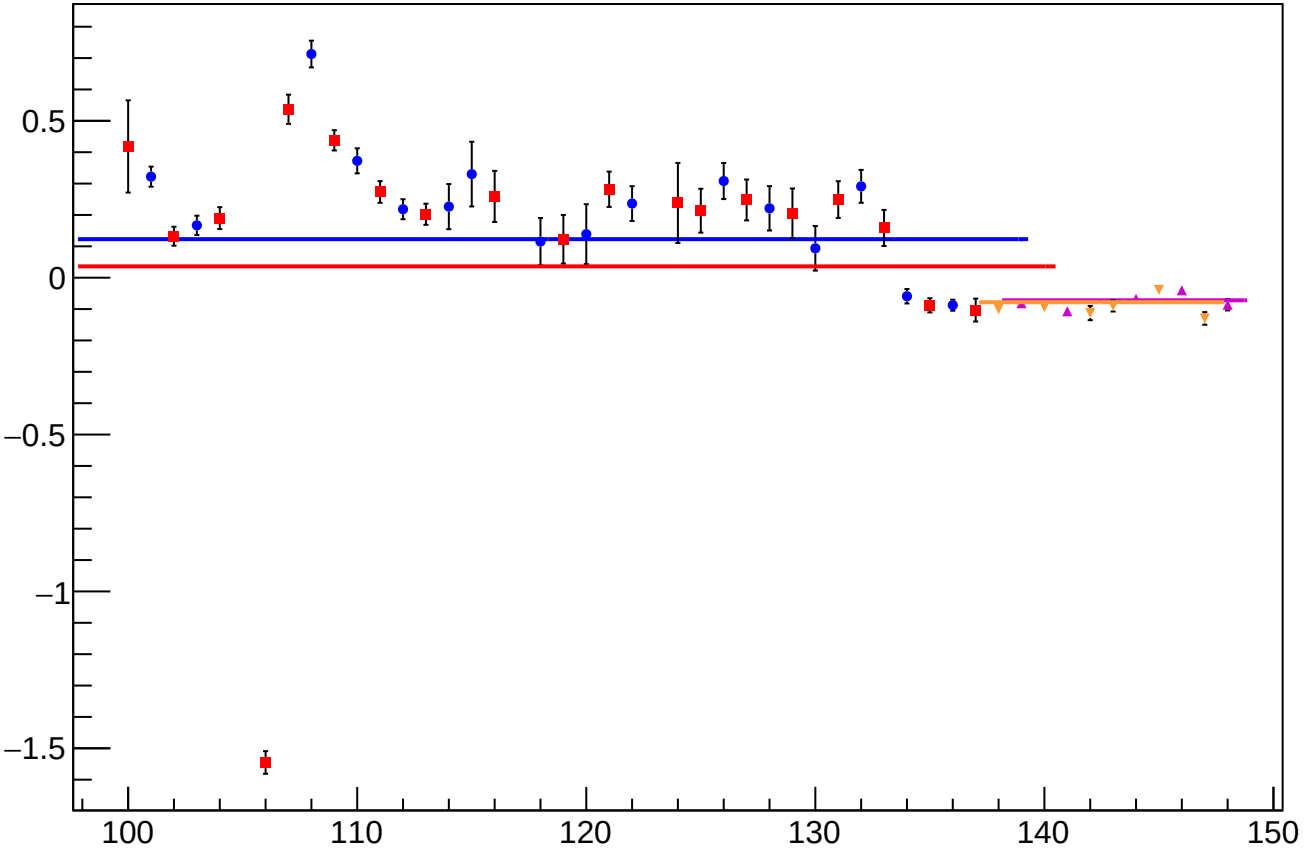
Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 19.772+/-0.103 χ^2/NDF:7313.4/20

Out: 19.570+/-0.105 χ^2/NDF:9400.2/24

All: 19.673+/-0.074 χ^2/NDF: 16715.4/45

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.078+/-0.006 χ^2/NDF:27.6/5

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.072+/-0.006 χ^2/NDF:12.8/4

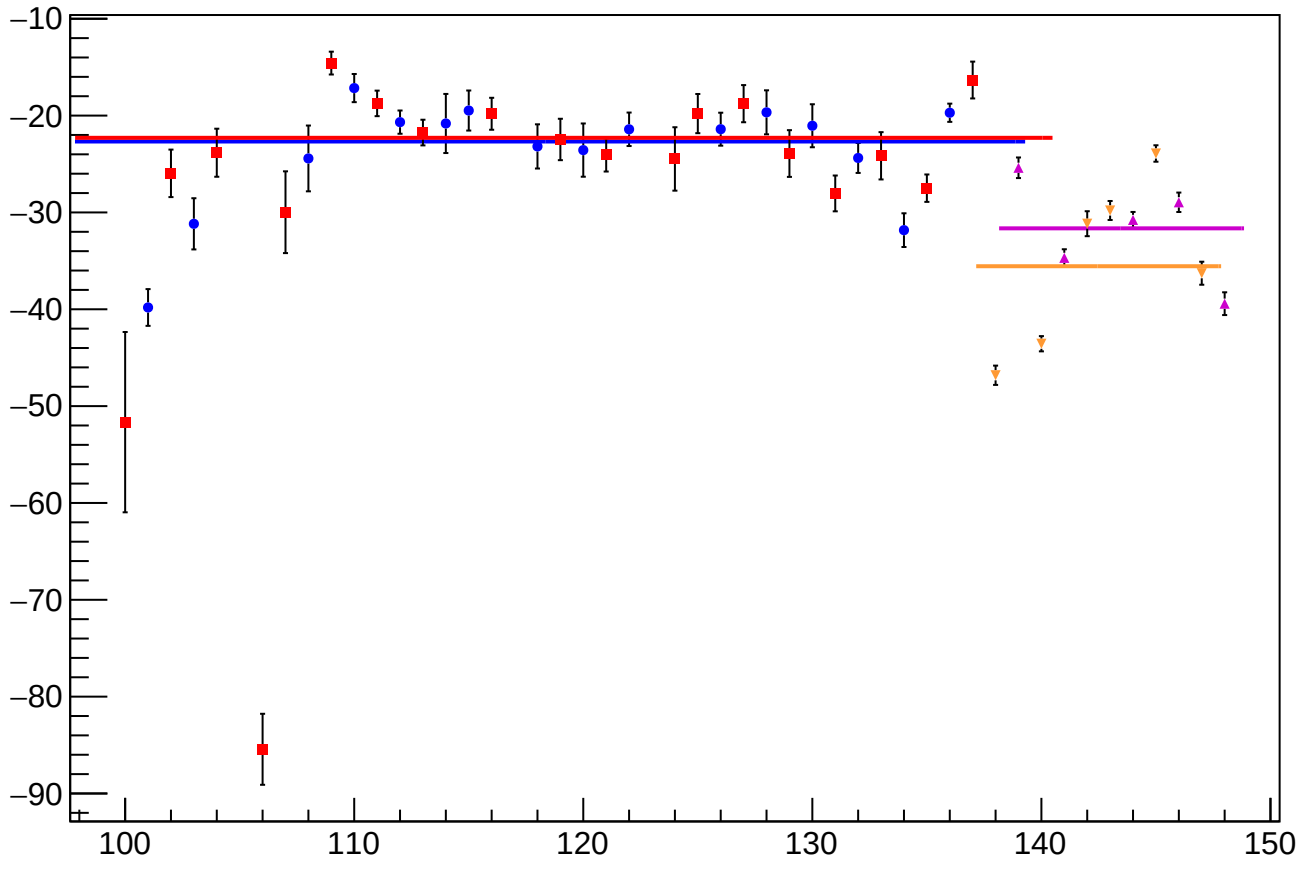
Left: -0.075+/-0.004 χ^2/NDF: 40.8/10

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.011+/-0.005 χ^2/NDF:827.7/20

Out: -0.045+/-0.005 χ^2/NDF:2539.6/24

All: -0.028+/-0.004 χ^2/NDF: 3388.3/45



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.555+/-0.397 χ^2/NDF:465.6/5

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -31.643+/-0.432 χ^2/NDF:98.5/4

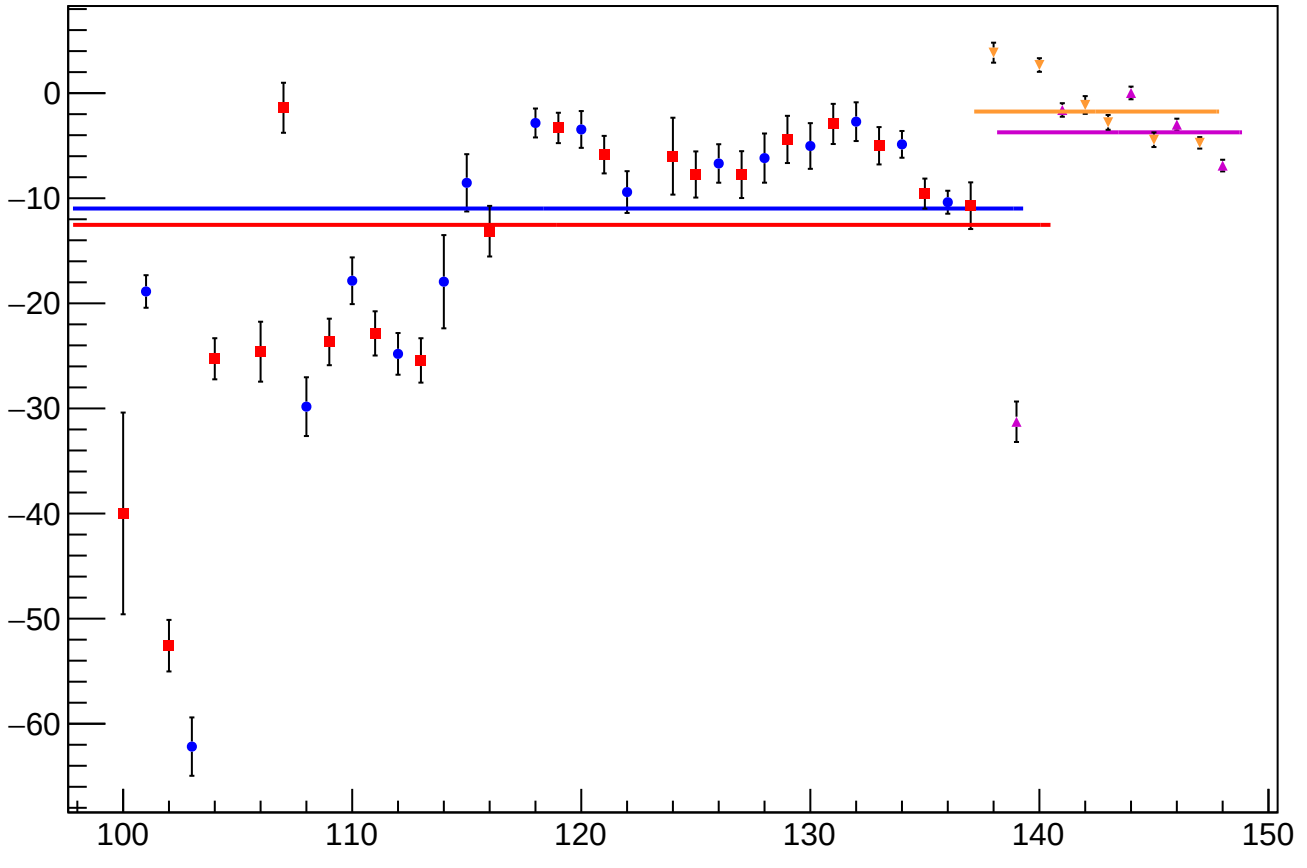
Left: -33.766+/-0.292 χ^2/NDF: 608.7/10

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -27.185+/-0.306 χ^2/NDF:467.2/20

Out: -29.540+/-0.293 χ^2/NDF:1378.4/24

All: -28.415+/-0.212 χ^2/NDF: 1876.5/45



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.751+/-0.285 χ^2/NDF:128.5/5

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -3.728+/-0.291 χ^2/NDF:288.0/4

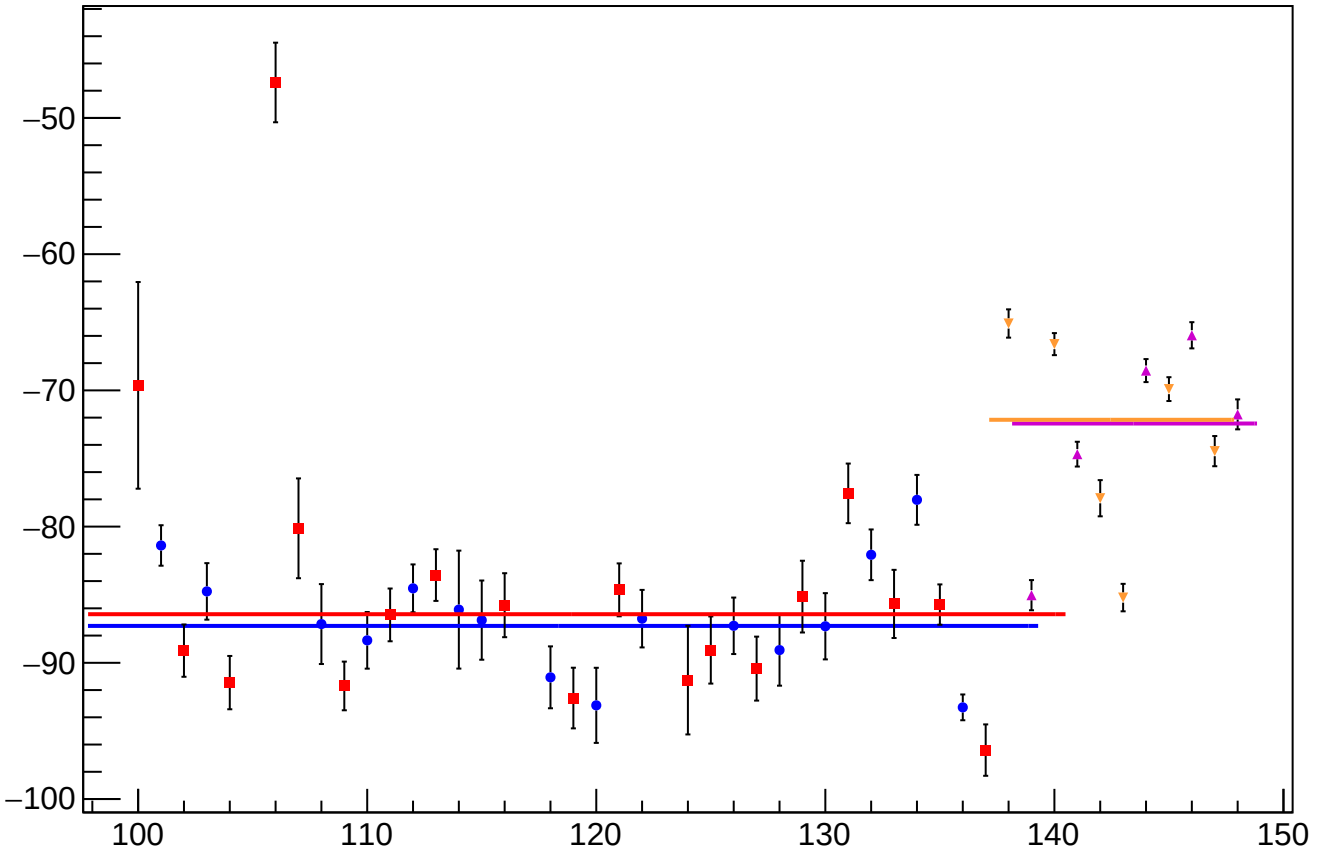
Left: -2.718+/-0.204 χ^2/NDF: 440.1/10

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

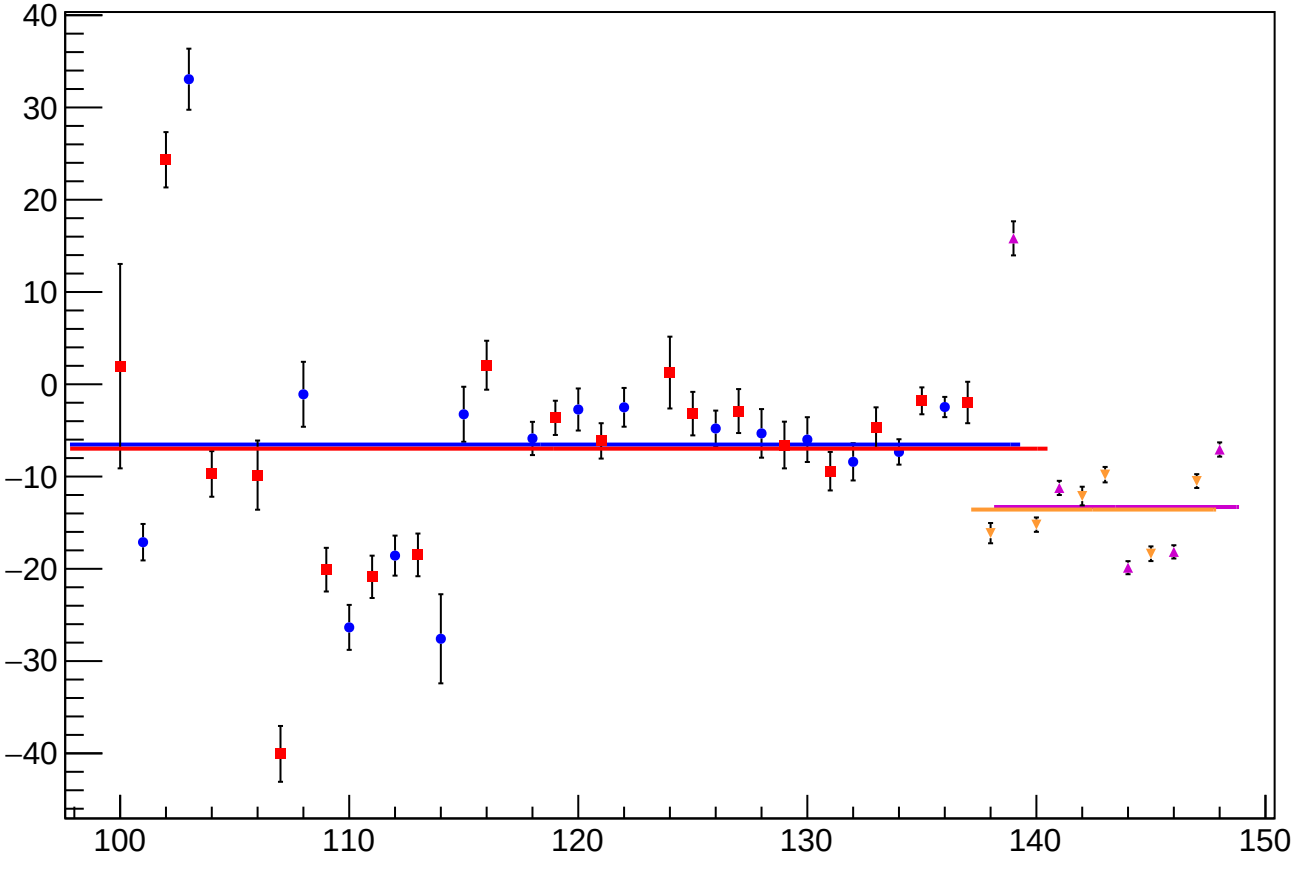
In: -5.846+/-0.245 χ^2/NDF:1056.4/20

Out: -4.552+/-0.245 χ^2/NDF:1072.6/24

All: -5.199+/-0.173 χ^2/NDF: 2142.9/45


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -72.158+/-0.404 χ²/NDF:290.8/5
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -72.432+/-0.433 χ²/NDF:202.5/4
Left: -72.286+/-0.295 χ²/NDF: 493.5/10
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -79.091+/-0.322 χ²/NDF:831.2/20
Out: -77.716+/-0.316 χ²/NDF:1041.6/24
All: -78.390+/-0.225 χ²/NDF: 1882.1/45

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.578+/-0.349 χ^2/NDF:85.3/5

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -13.301+/-0.363 χ^2/NDF:452.1/4

Left: -13.445+/-0.252 χ^2/NDF: 537.8/10

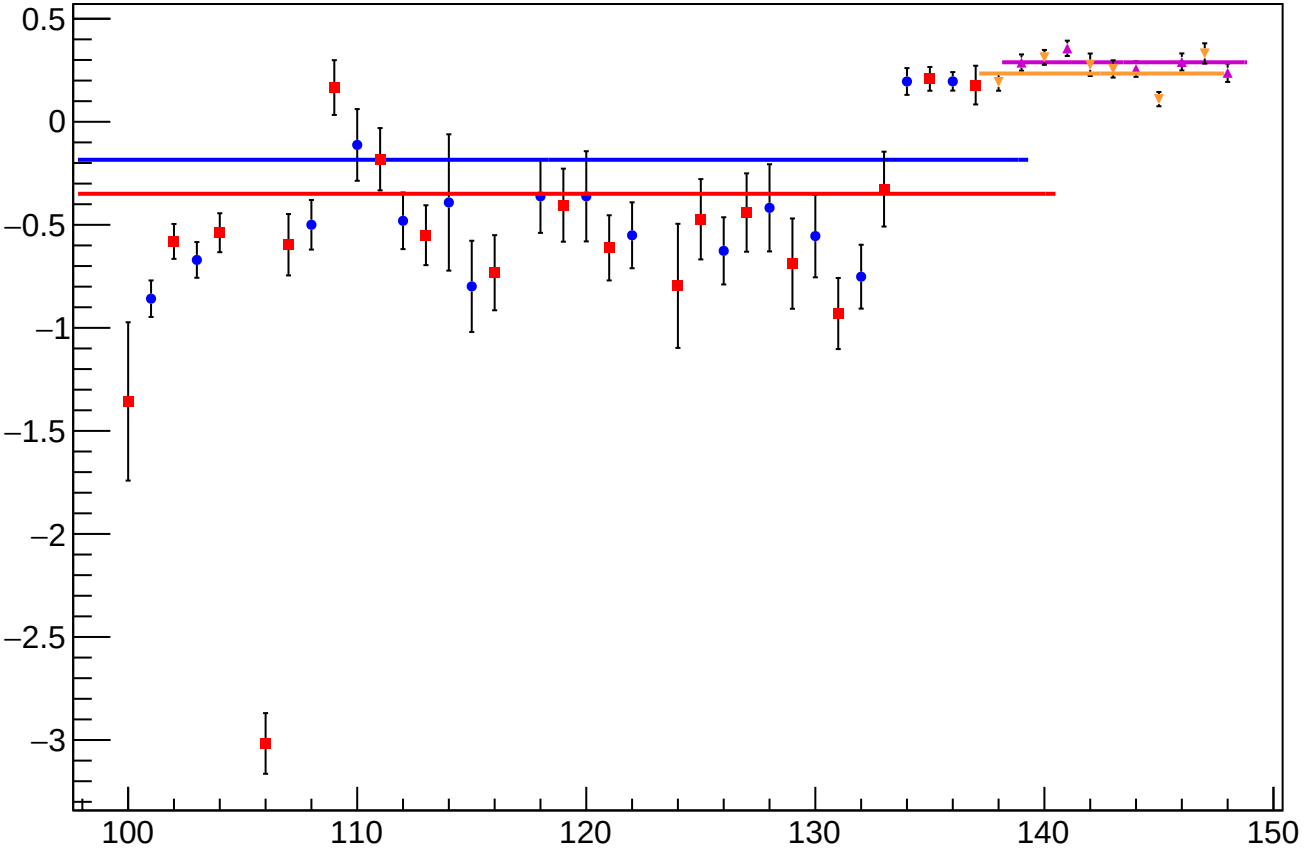
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.010+/-0.296 χ^2/NDF:883.4/20

Out: -11.646+/-0.293 χ^2/NDF:558.6/24

All: -11.330+/-0.208 χ^2/NDF: 1444.4/45

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.234+/-0.017 χ^2/NDF:23.4/5

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.289+/-0.018 χ^2/NDF:5.4/4

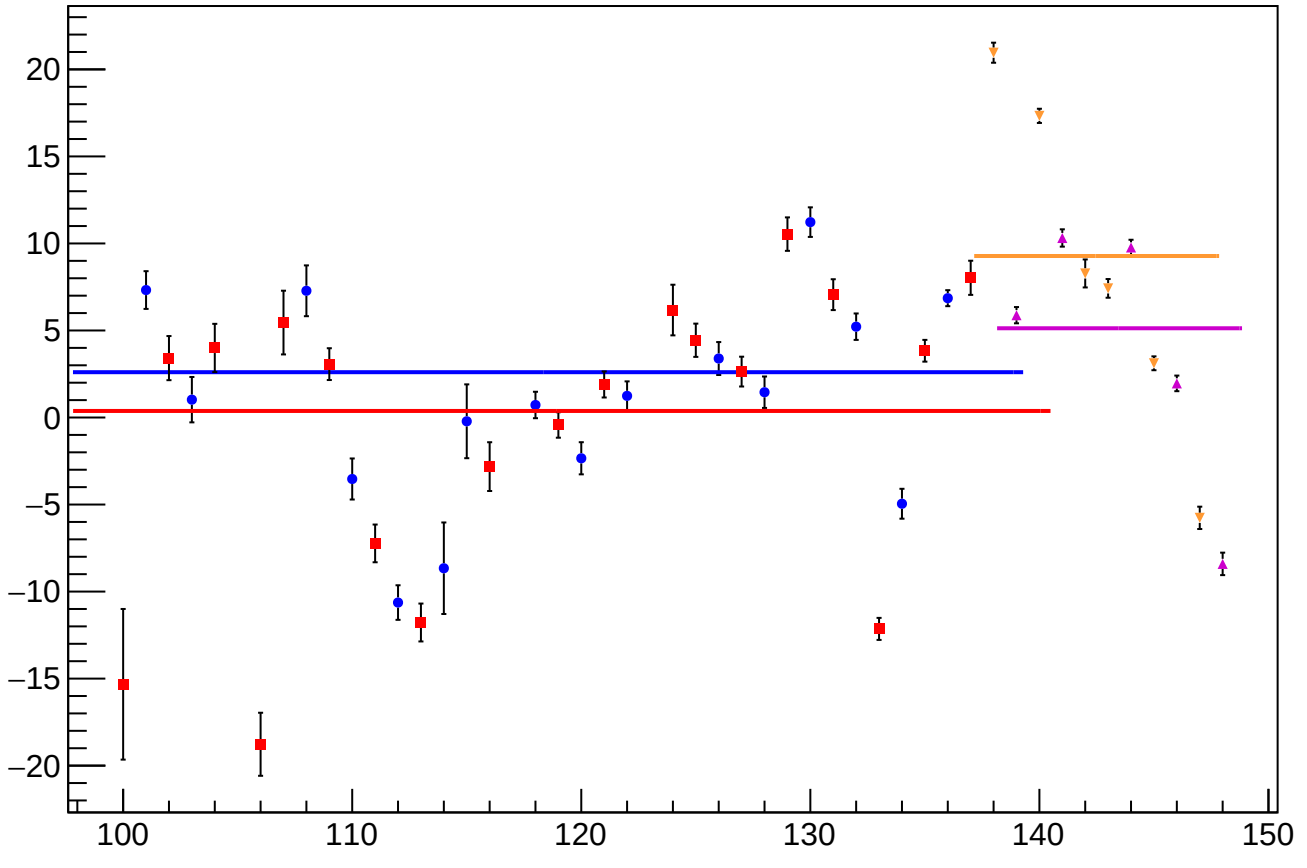
Left: 0.260+/-0.012 χ^2/NDF: 33.6/10

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.143+/-0.015 χ^2/NDF:469.1/20

Out: 0.088+/-0.015 χ^2/NDF:837.1/24

All: 0.116+/-0.010 χ^2/NDF: 1313.1/45



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 9.279+/-0.210 χ^2/NDF:1602.0/5

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 5.127+/-0.218 χ^2/NDF:711.5/4

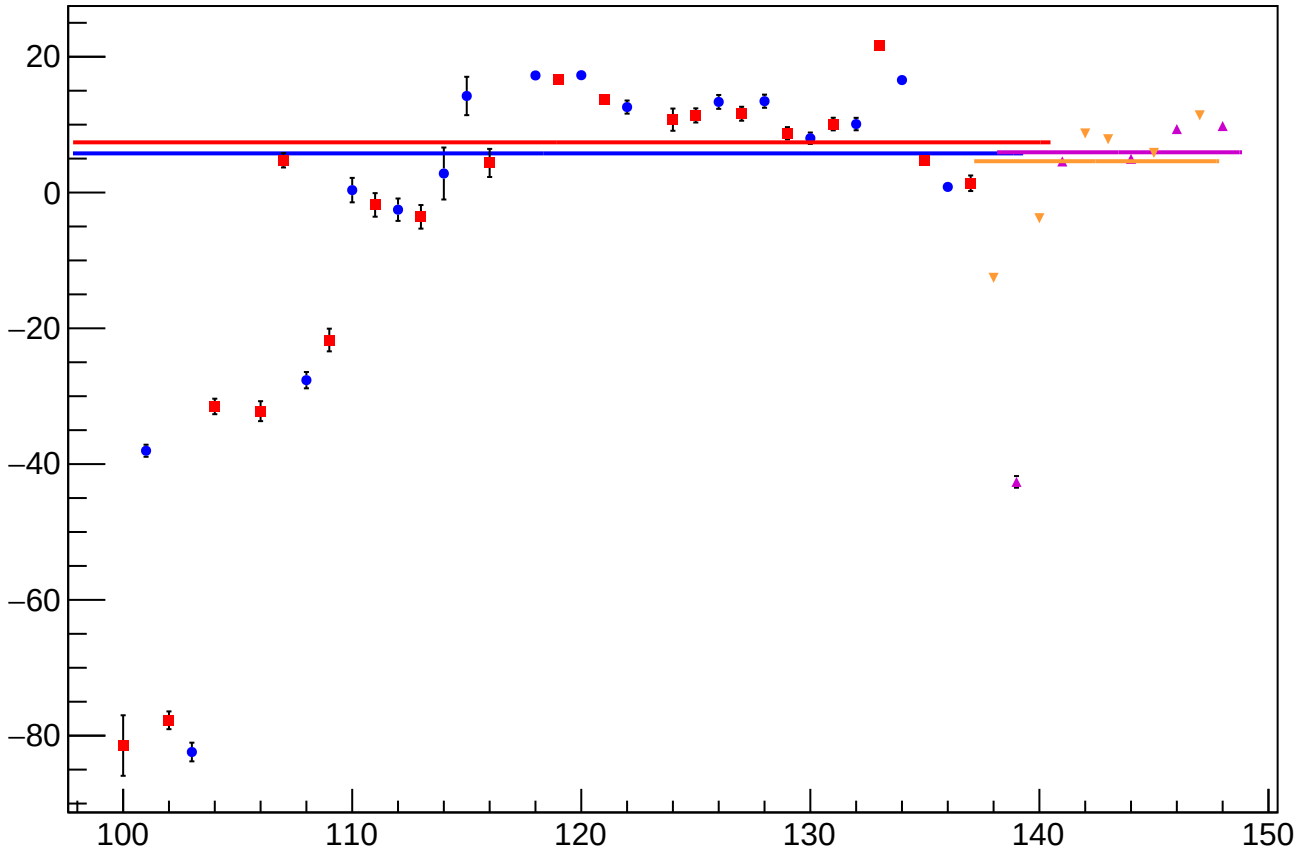
Left: 7.280+/-0.151 χ^2/NDF: 2502.4/10

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.903+/-0.156 χ^2/NDF:1349.9/20

Out: 5.088+/-0.152 χ^2/NDF:3481.9/24

All: 4.509+/-0.109 χ^2/NDF: 4861.3/45



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 4.612+/-0.154 χ^2/NDF:2123.4/5

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.930+/-0.155 χ^2/NDF:3529.0/4

Left: 5.270+/-0.109 χ^2/NDF: 5688.7/10

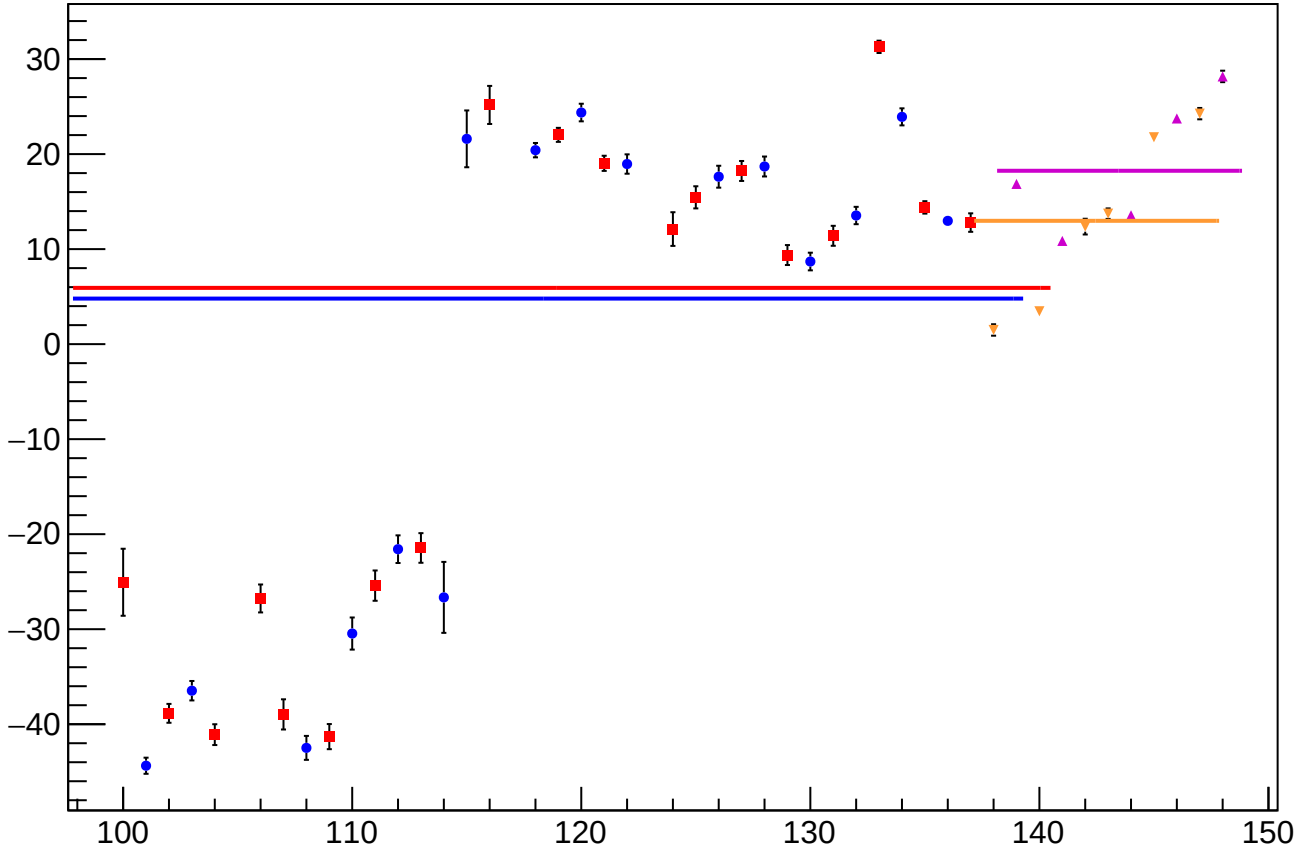
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.873+/-0.125 χ^2/NDF:12463.2/20

Out: 5.597+/-0.124 χ^2/NDF:10628.7/24

All: 5.734+/-0.088 χ^2/NDF: 23094.3/45

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.978+/-0.214 χ^2/NDF:1698.3/5

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.245+/-0.218 χ^2/NDF:755.4/4

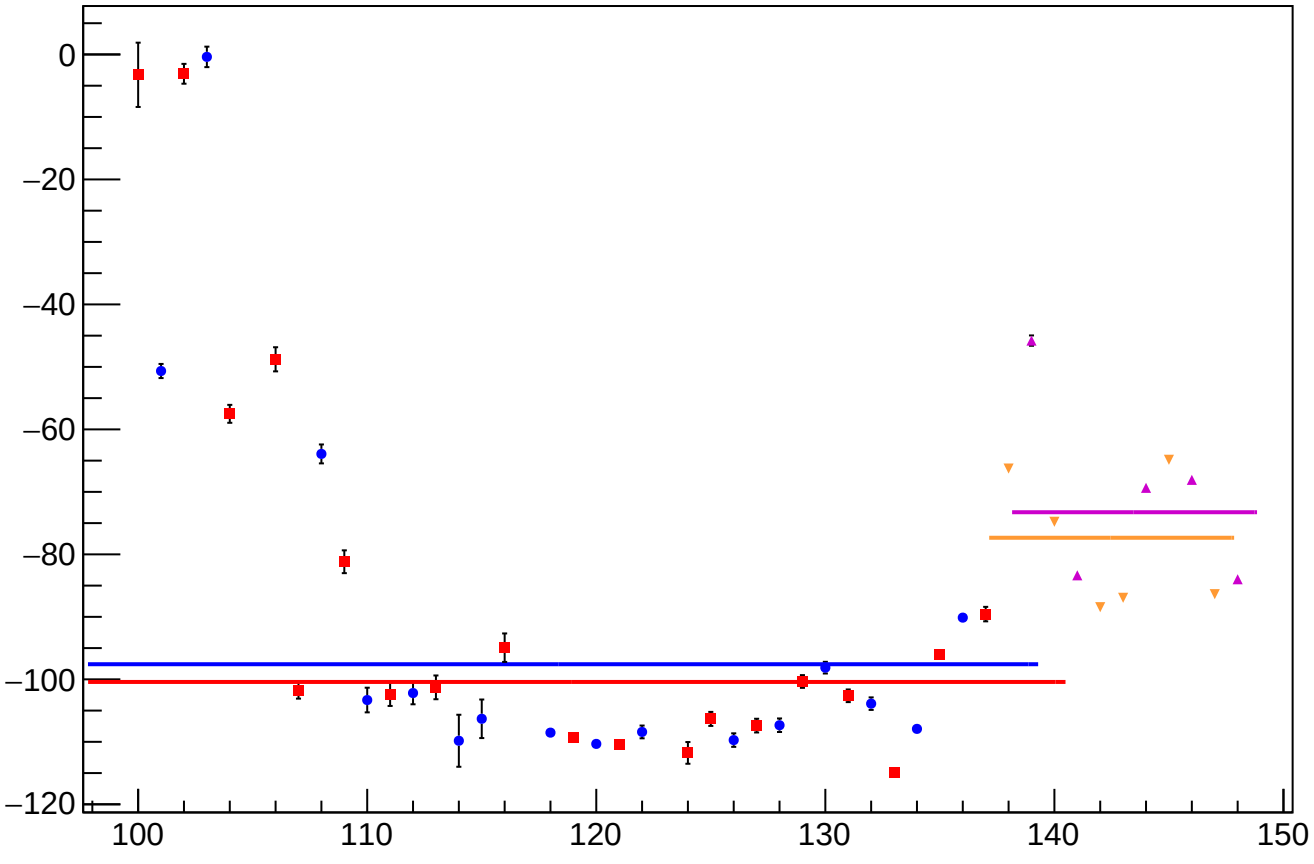
Left: 15.555+/-0.153 χ^2/NDF: 2751.4/10

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 12.087+/-0.161 χ^2/NDF:11992.8/20

Out: 9.859+/-0.159 χ^2/NDF:12240.6/24

All: 10.965+/-0.113 χ^2/NDF: 24330.3/45



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -77.342+/-0.188 χ^2/NDF:2643.9/5

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -73.257+/-0.190 χ^2/NDF:2612.6/4

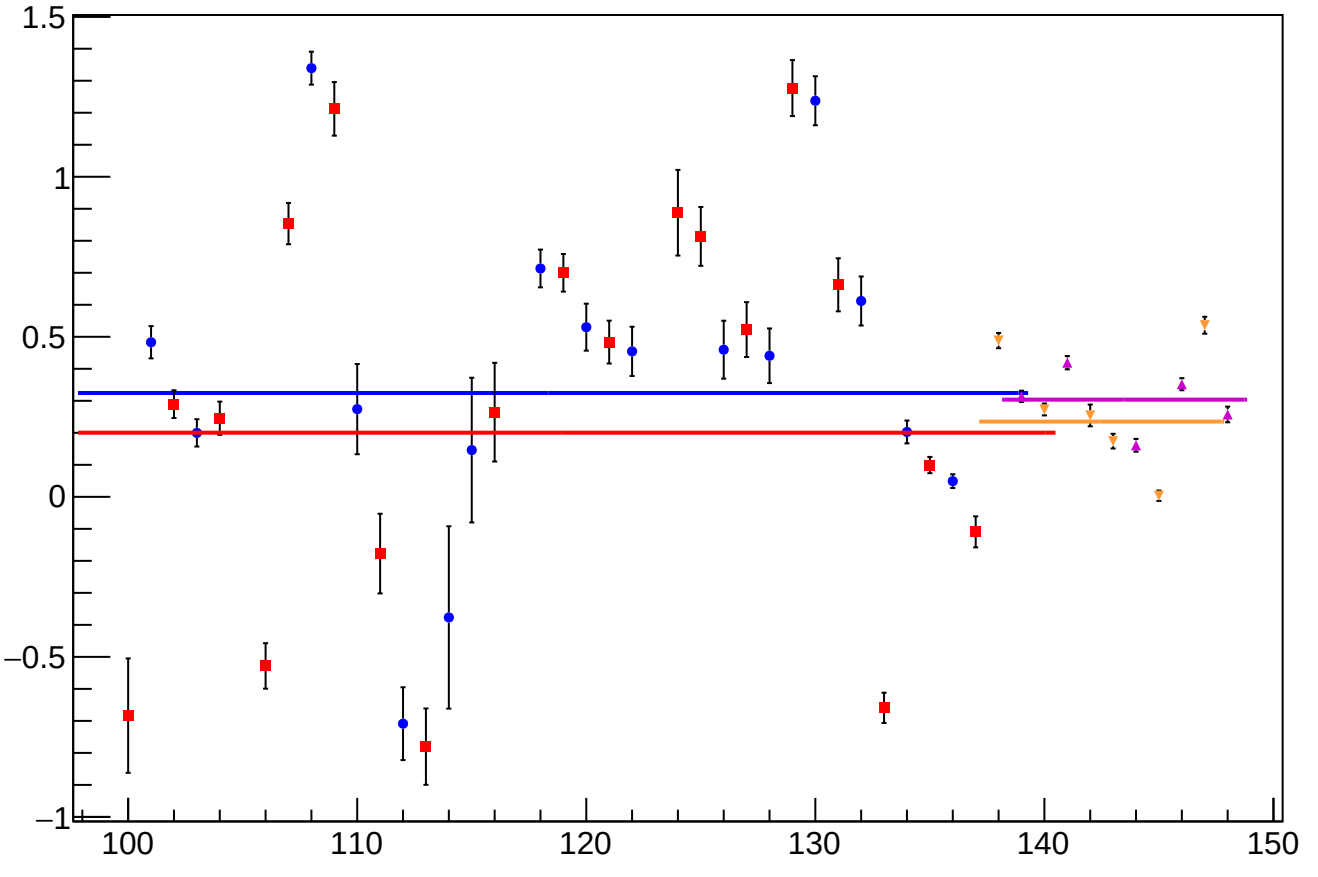
Left: -75.326+/-0.133 χ^2/NDF: 5490.7/10

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.546+/-0.149 χ^2/NDF:16017.5/20

Out: -86.046+/-0.148 χ^2/NDF:15470.6/24

All: -84.312+/-0.105 χ^2/NDF: 31765.3/45



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.235+/-0.009 χ^2/NDF:458.1/5

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.304+/-0.009 χ^2/NDF:92.1/4

Left: 0.269+/-0.006 χ^2/NDF: 579.9/10

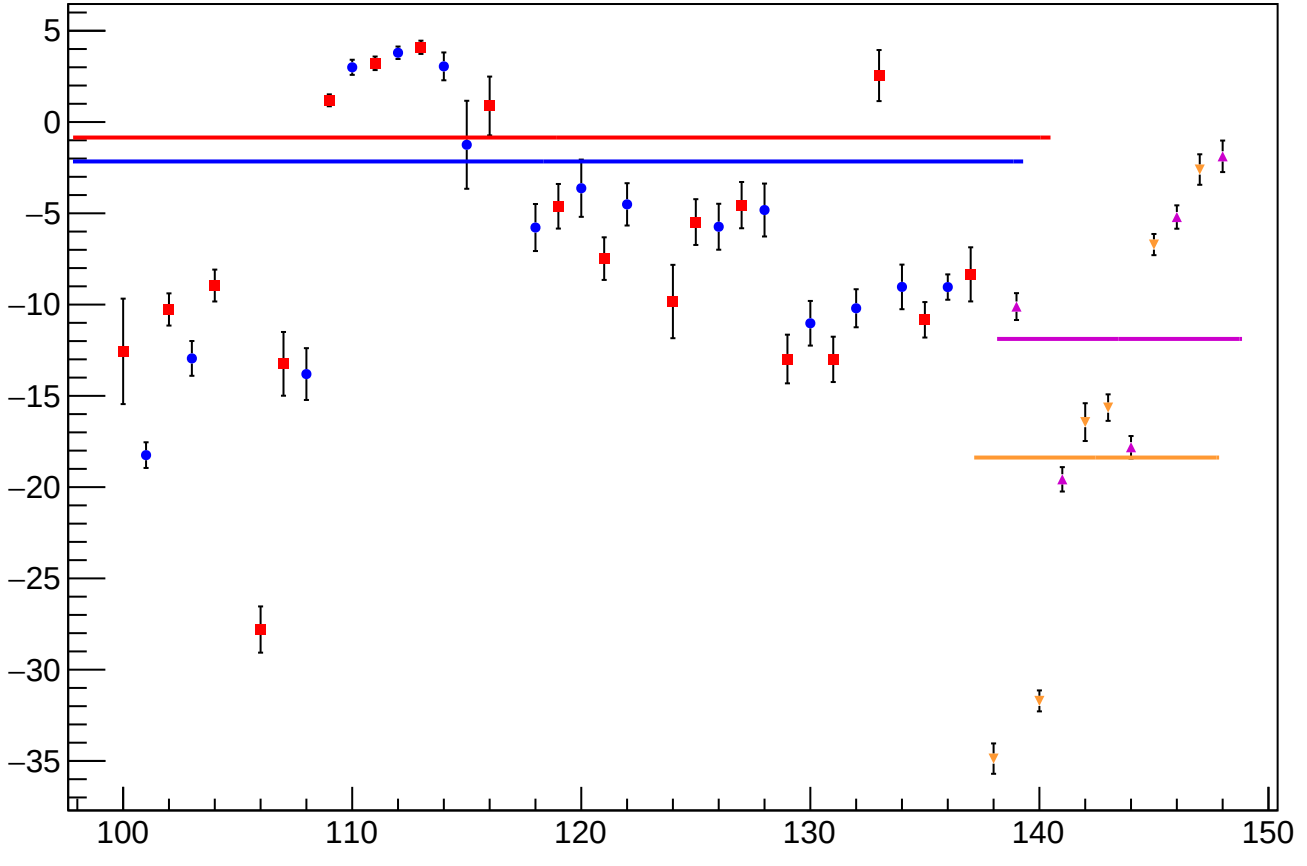
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.310+/-0.007 χ^2/NDF:980.3/20

Out: 0.225+/-0.007 χ^2/NDF:1668.9/24

All: 0.268+/-0.005 χ^2/NDF: 2714.6/45

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -18.379+/-0.292 χ^2/NDF:1710.9/5

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -11.881+/-0.308 χ^2/NDF:474.8/4

Left: -15.304+/-0.212 χ^2/NDF: 2419.8/10

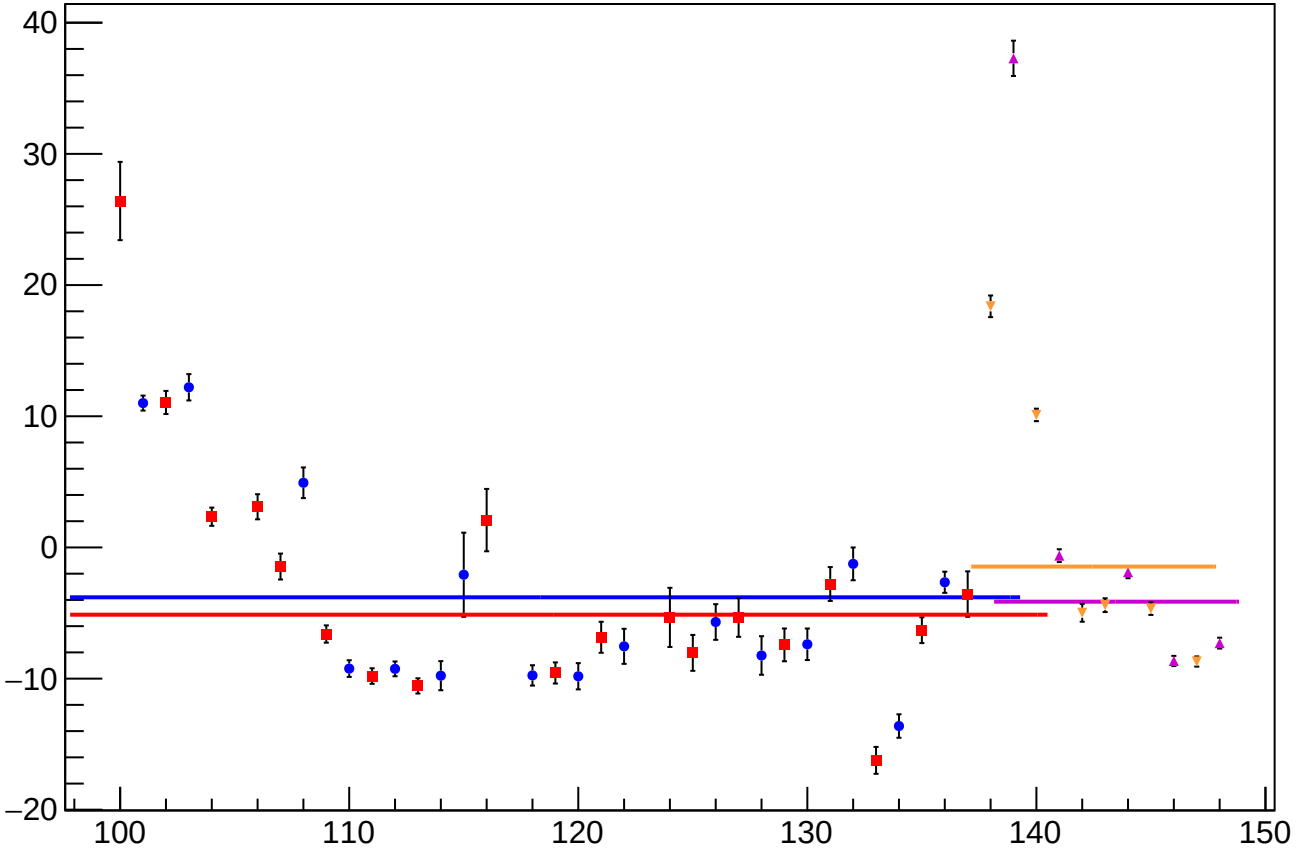
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.876+/-0.163 χ^2/NDF:2682.4/20

Out: -5.297+/-0.147 χ^2/NDF:5862.4/24

All: -5.108+/-0.109 χ^2/NDF: 8548.5/45

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: -1.458+/-0.211 χ^2/NDF:1611.9/5

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.135+/-0.213 χ^2/NDF:1216.9/4

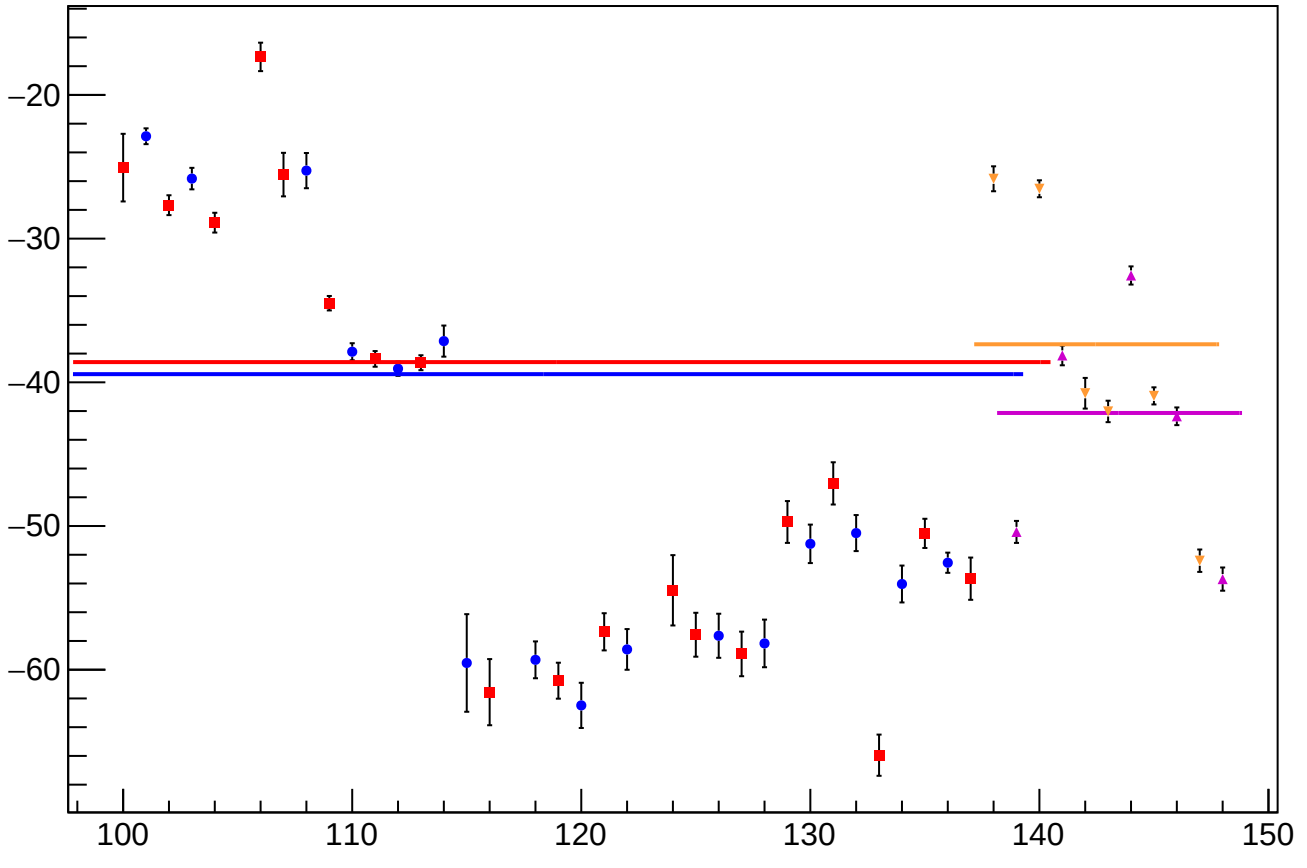
Left: -2.783+/-0.150 χ^2/NDF: 2908.6/10

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.977+/-0.155 χ^2/NDF:2643.6/20

Out: -3.224+/-0.152 χ^2/NDF:2738.2/24

All: -3.593+/-0.108 χ^2/NDF: 5393.9/45



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.353+/-0.297 χ^2/NDF:971.1/5

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -42.133+/-0.309 χ^2/NDF:584.8/4

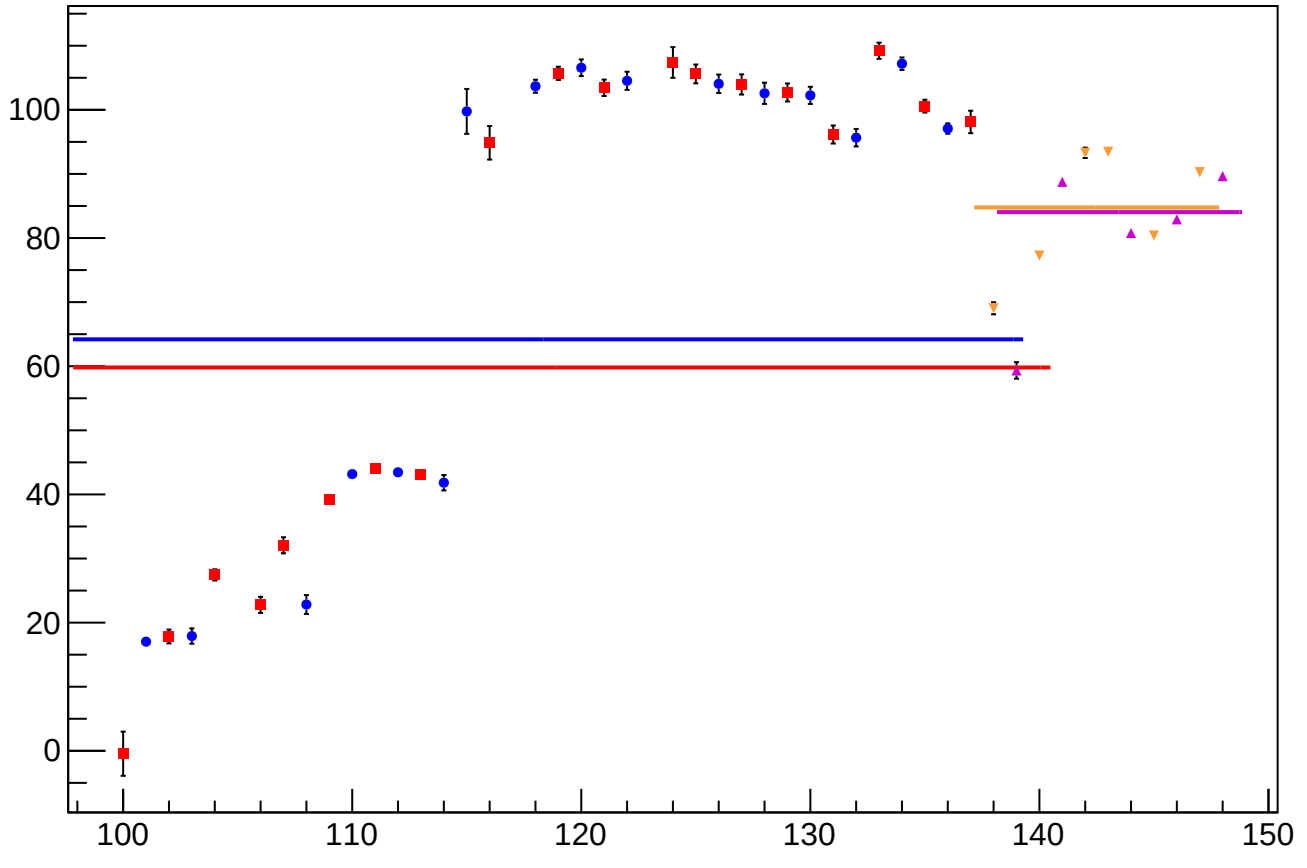
Left: -39.652+/-0.214 χ^2/NDF: 1680.5/10

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.372+/-0.182 χ^2/NDF:3592.9/20

Out: -38.173+/-0.173 χ^2/NDF:3754.8/24

All: -39.215+/-0.125 χ^2/NDF: 7424.4/45



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.781+/-0.257 χ^2/NDF:925.8/5

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.042+/-0.263 χ^2/NDF:571.0/4

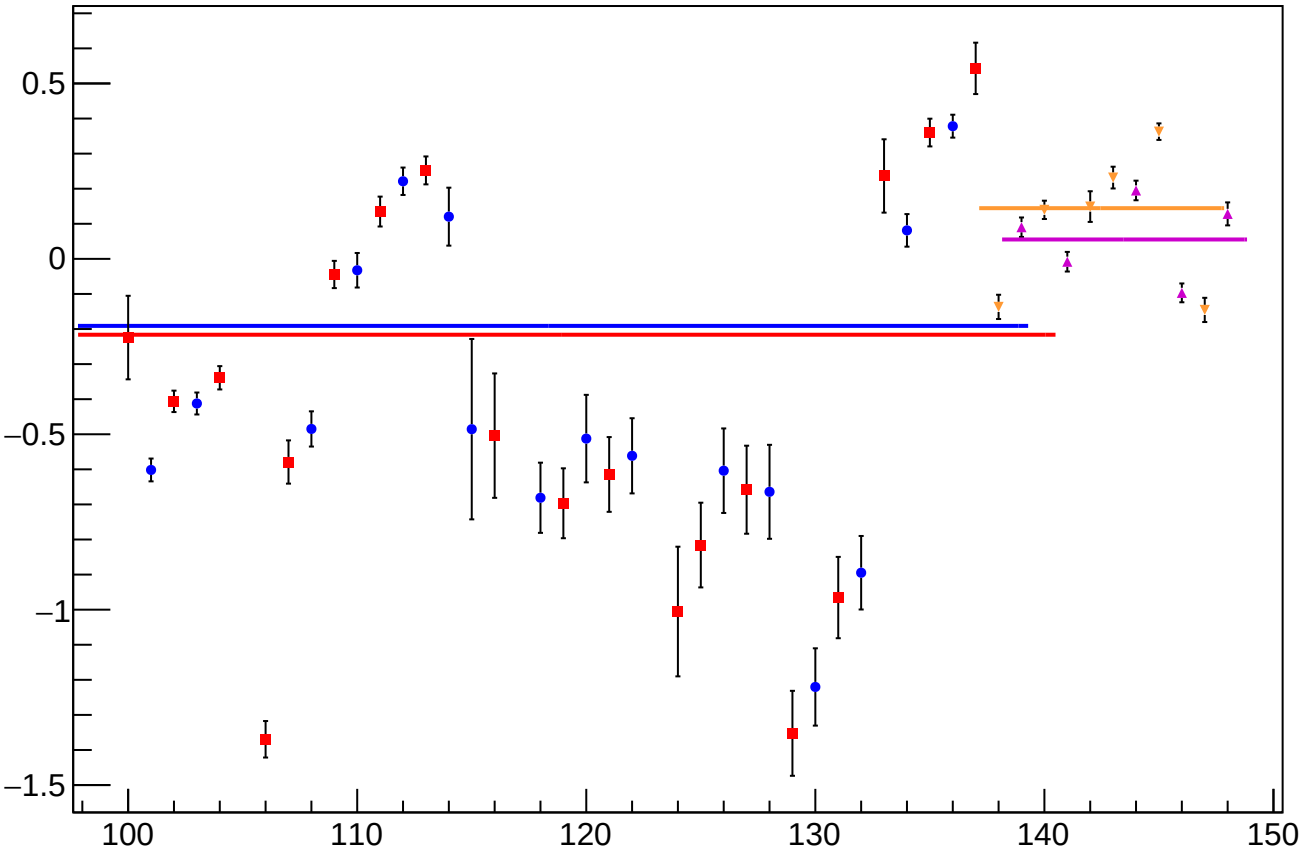
Left: 84.419+/-0.184 χ^2/NDF: 1500.8/10

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 73.918+/-0.184 χ^2/NDF:22077.2/20

Out: 71.872+/-0.179 χ^2/NDF:23228.0/24

All: 72.866+/-0.128 χ^2/NDF: 45368.8/45



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.145+/-0.012 χ^2/NDF:230.6/5

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.055+/-0.013 χ^2/NDF:68.9/4

Left: 0.101+/-0.009 χ^2/NDF: 324.8/10

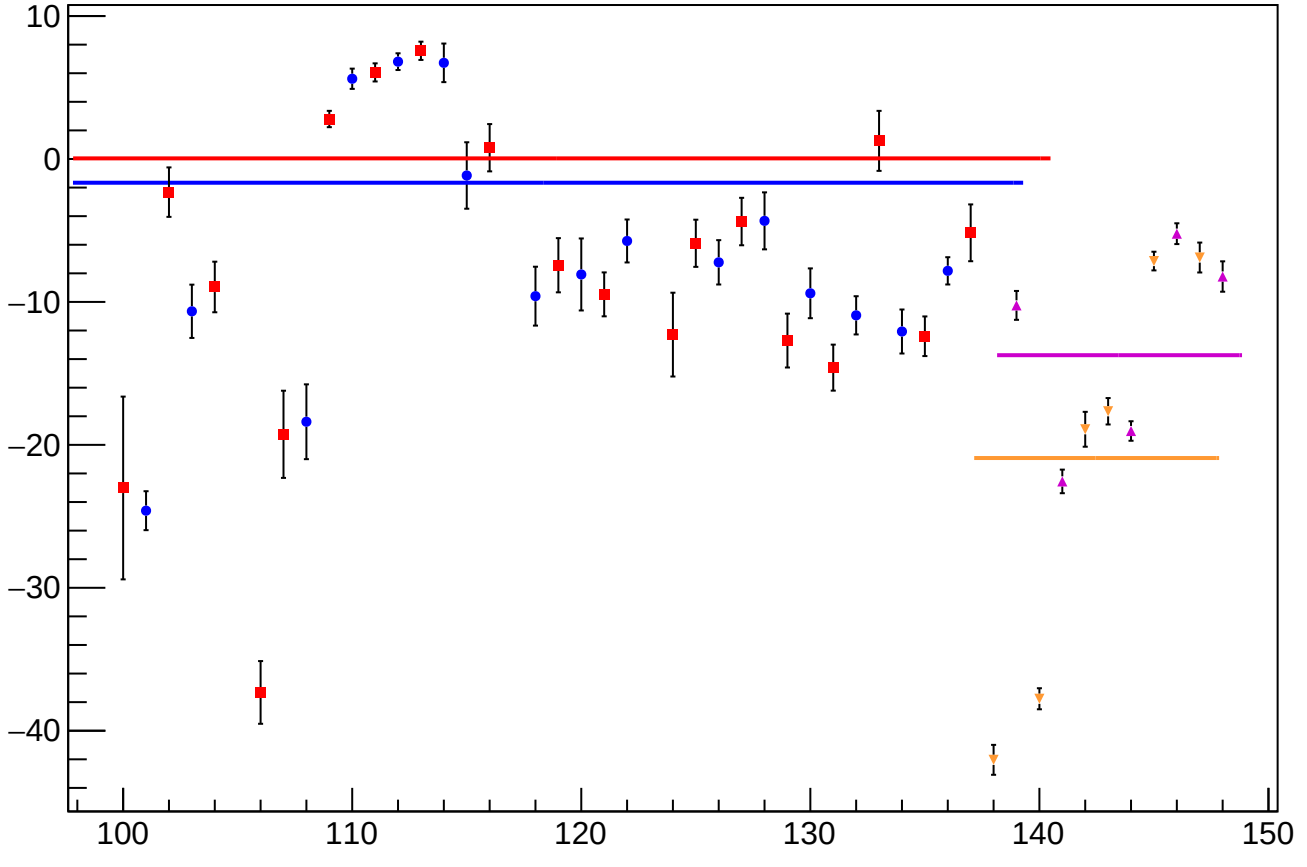
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.061+/-0.009 χ^2/NDF:1164.6/20

Out: -0.028+/-0.009 χ^2/NDF:2004.0/24

All: -0.044+/-0.006 χ^2/NDF: 3175.2/45

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: -20.921+/-0.357 χ^2/NDF:1569.6/5

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -13.727+/-0.368 χ^2/NDF:350.2/4

Left: -17.439+/-0.256 χ^2/NDF: 2116.5/10

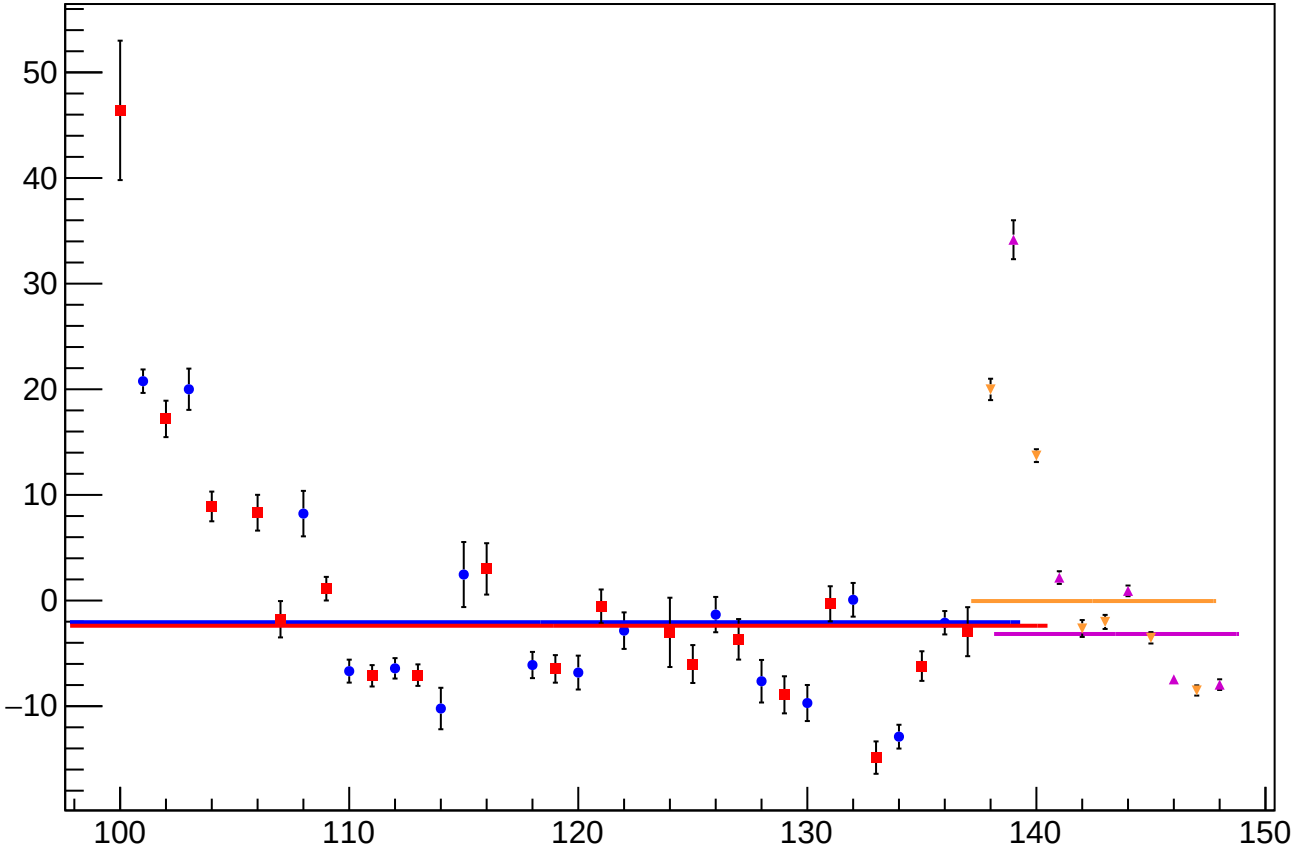
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -6.626+/-0.236 χ^2/NDF:1881.7/20

Out: -8.015+/-0.221 χ^2/NDF:4626.0/24

All: -7.366+/-0.161 χ^2/NDF: 6526.1/45

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -0.048+/-0.256 χ^2/NDF:1273.5/5

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.165+/-0.248 χ^2/NDF:744.5/4

Left: -1.660+/-0.178 χ^2/NDF: 2094.6/10

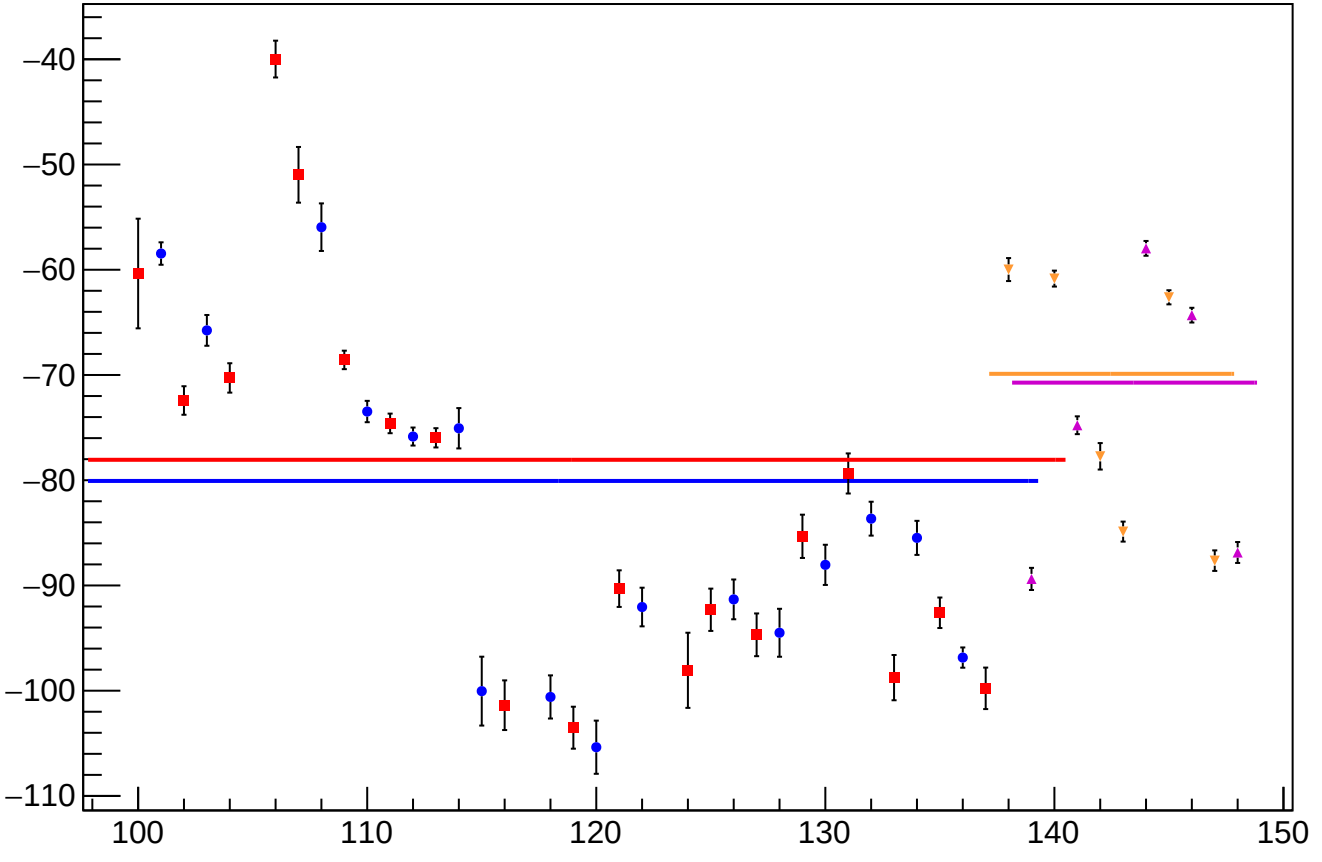
Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.802+/-0.203 χ^2/NDF:1523.0/20

Out: -0.848+/-0.208 χ^2/NDF:1752.9/24

All: -1.846+/-0.145 χ^2/NDF: 3321.2/45

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -69.891+/-0.363 χ^2/NDF:960.9/5

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -70.727+/-0.368 χ^2/NDF:1013.5/4

Left: -70.303+/-0.259 χ^2/NDF: 1977.1/10

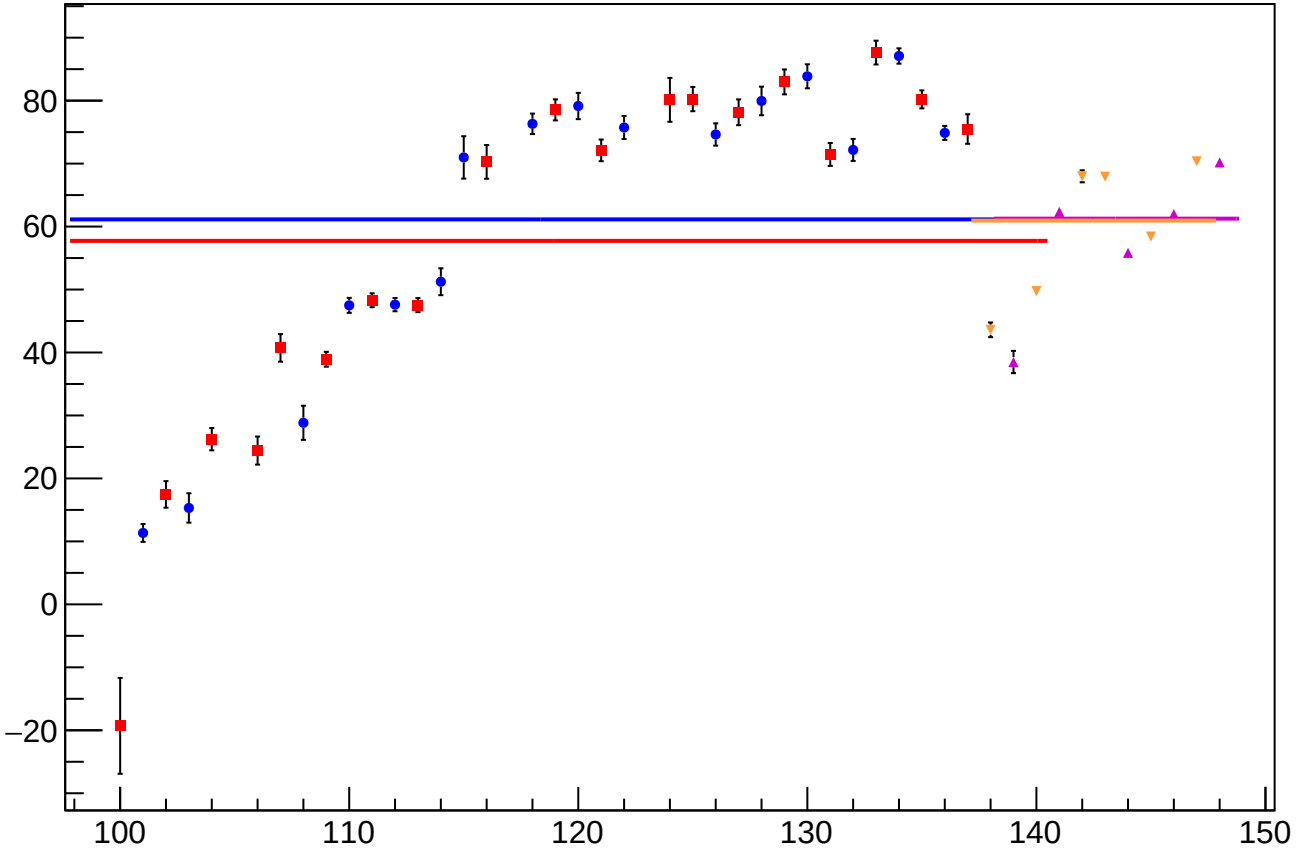
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -75.448+/-0.259 χ^2/NDF:2725.8/20

Out: -74.083+/-0.253 χ^2/NDF:2782.0/24

All: -74.750+/-0.181 χ^2/NDF: 5522.0/45

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 60.950+/-0.313 χ^2/NDF:808.2/5

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 61.257+/-0.307 χ^2/NDF:417.4/4

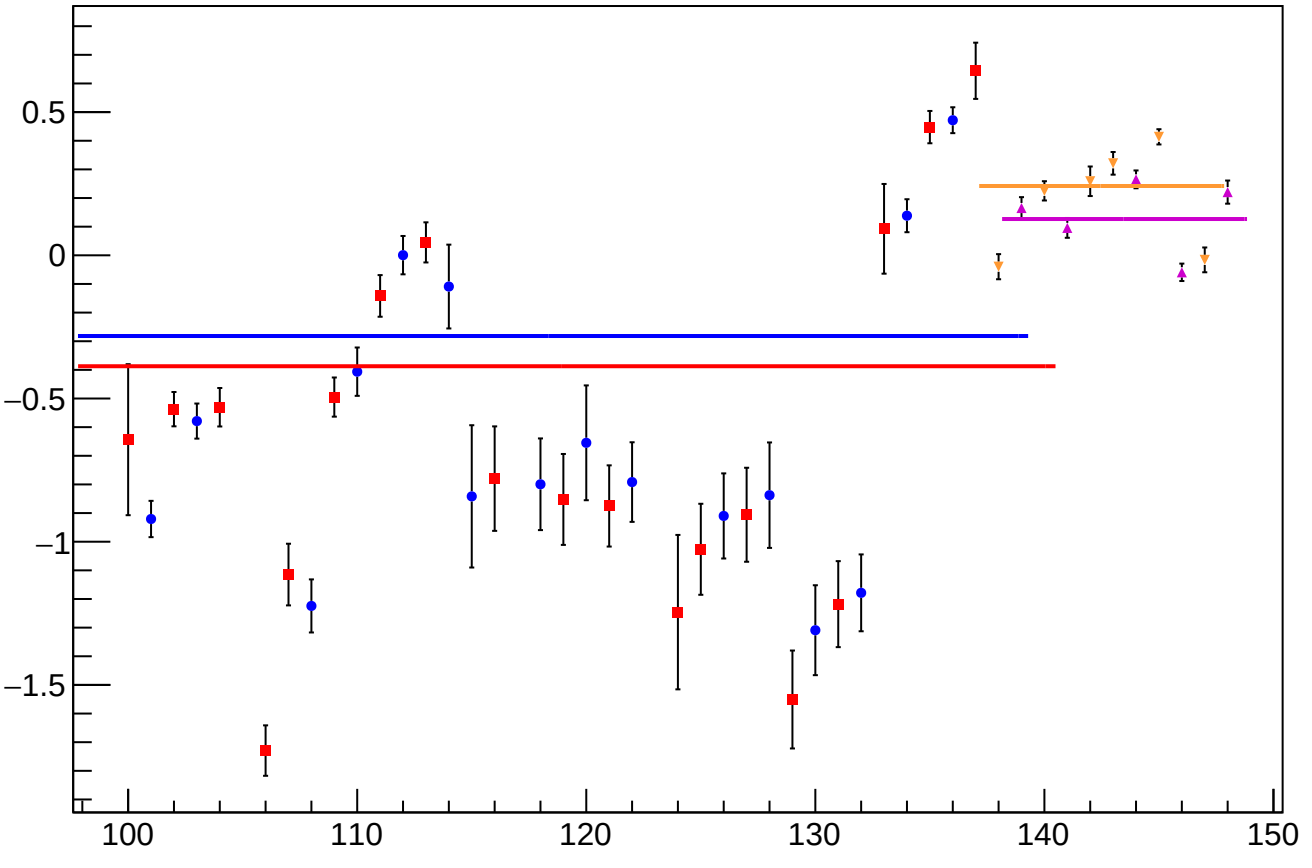
Left: 61.107+/-0.219 χ^2/NDF: 1226.1/10

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 61.214+/-0.244 χ^2/NDF:3646.7/20

Out: 59.728+/-0.246 χ^2/NDF:3624.0/24

All: 60.479+/-0.173 χ^2/NDF: 7289.1/45



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.242+/-0.015 χ^2/NDF:122.7/5

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.127+/-0.015 χ^2/NDF:64.5/4

Left: 0.185+/-0.011 χ^2/NDF: 215.9/10

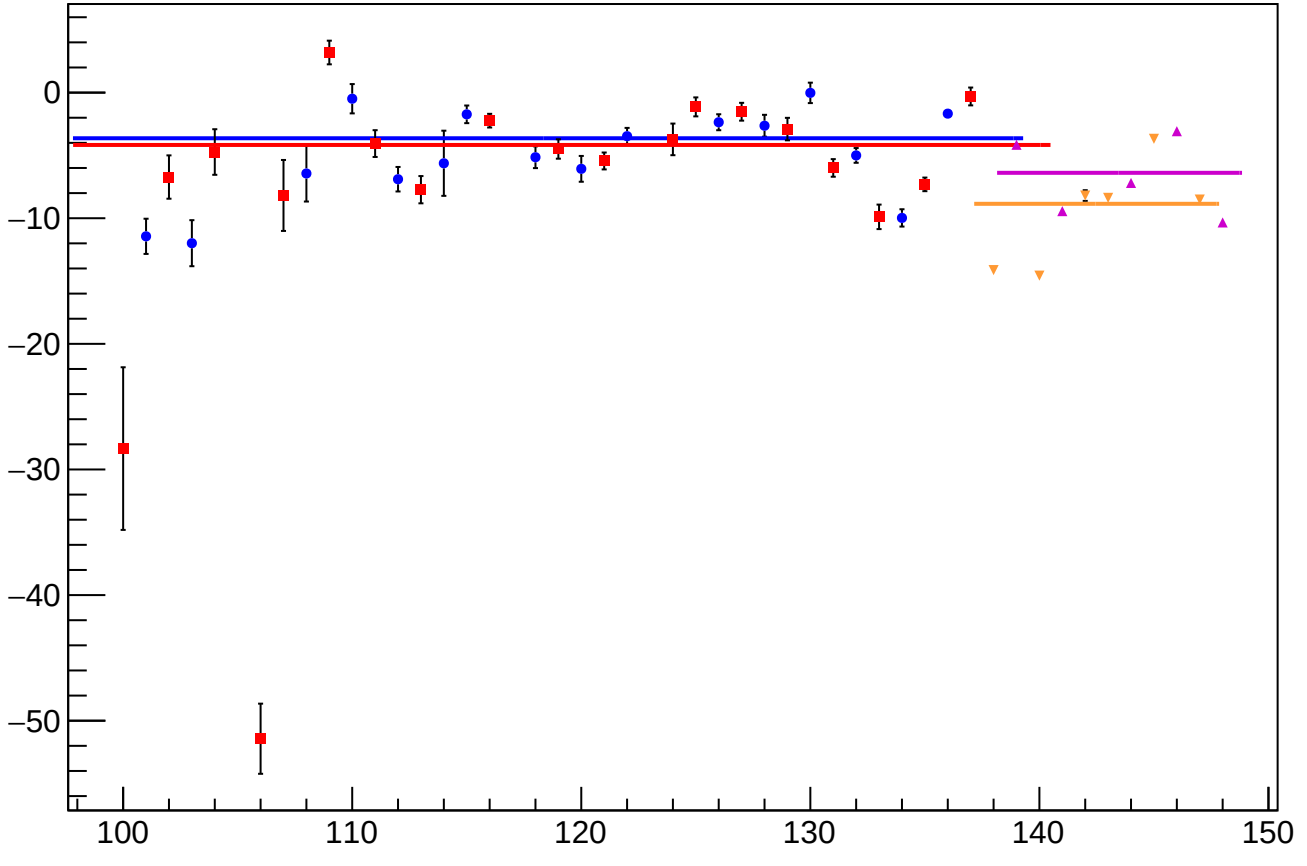
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.010+/-0.013 χ^2/NDF:1030.2/20

Out: 0.039+/-0.012 χ^2/NDF:1500.1/24

All: 0.015+/-0.009 χ^2/NDF: 2537.7/45

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.852+/-0.123 χ^2/NDF:1266.9/5

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -6.385+/-0.125 χ^2/NDF:478.4/4

Left: -7.639+/-0.087 χ^2/NDF: 1944.0/10

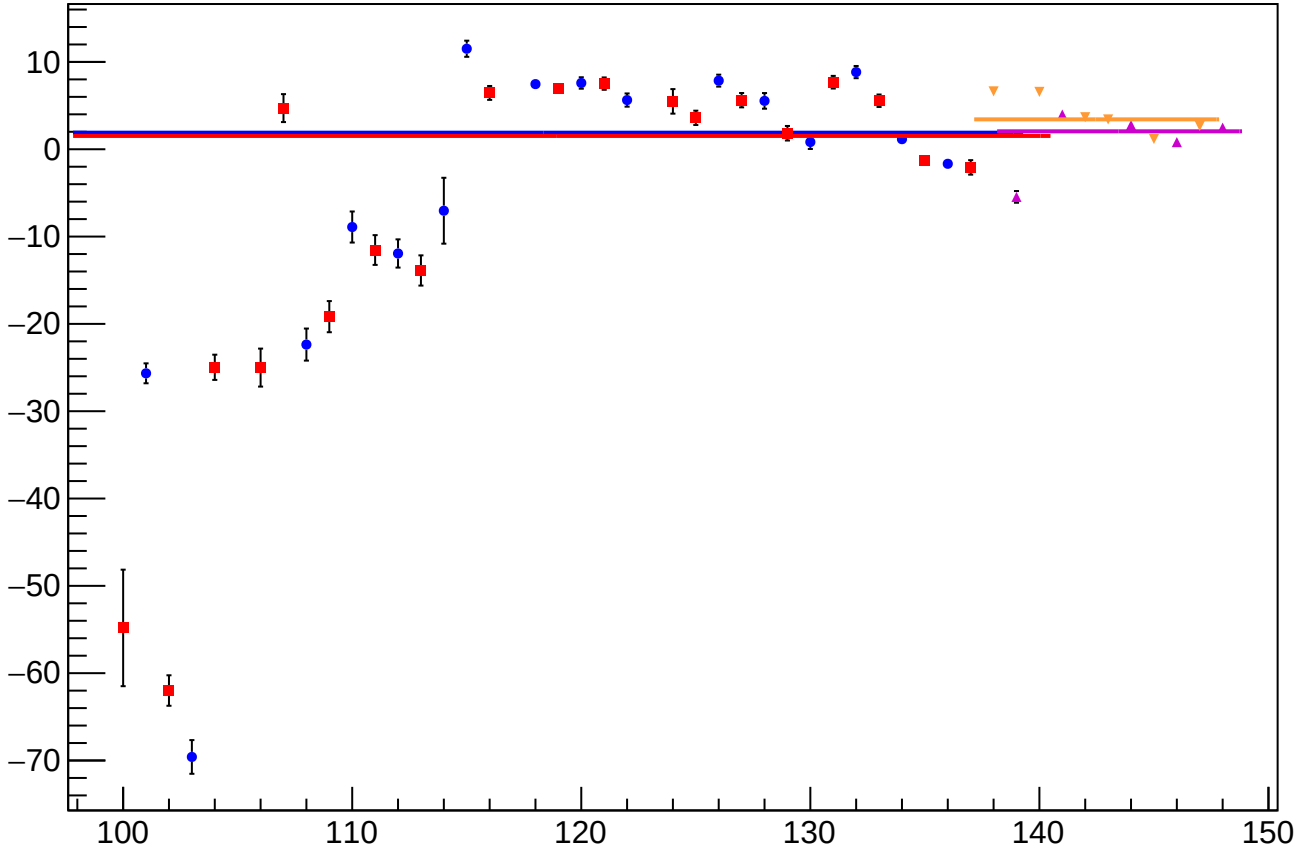
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.550+/-0.104 χ^2/NDF:860.7/20

Out: -7.566+/-0.105 χ^2/NDF:2196.9/24

All: -6.554+/-0.074 χ^2/NDF: 3244.2/45

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: 3.423+/-0.089 χ^2/NDF:476.3/5

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.054+/-0.083 χ^2/NDF:311.1/4

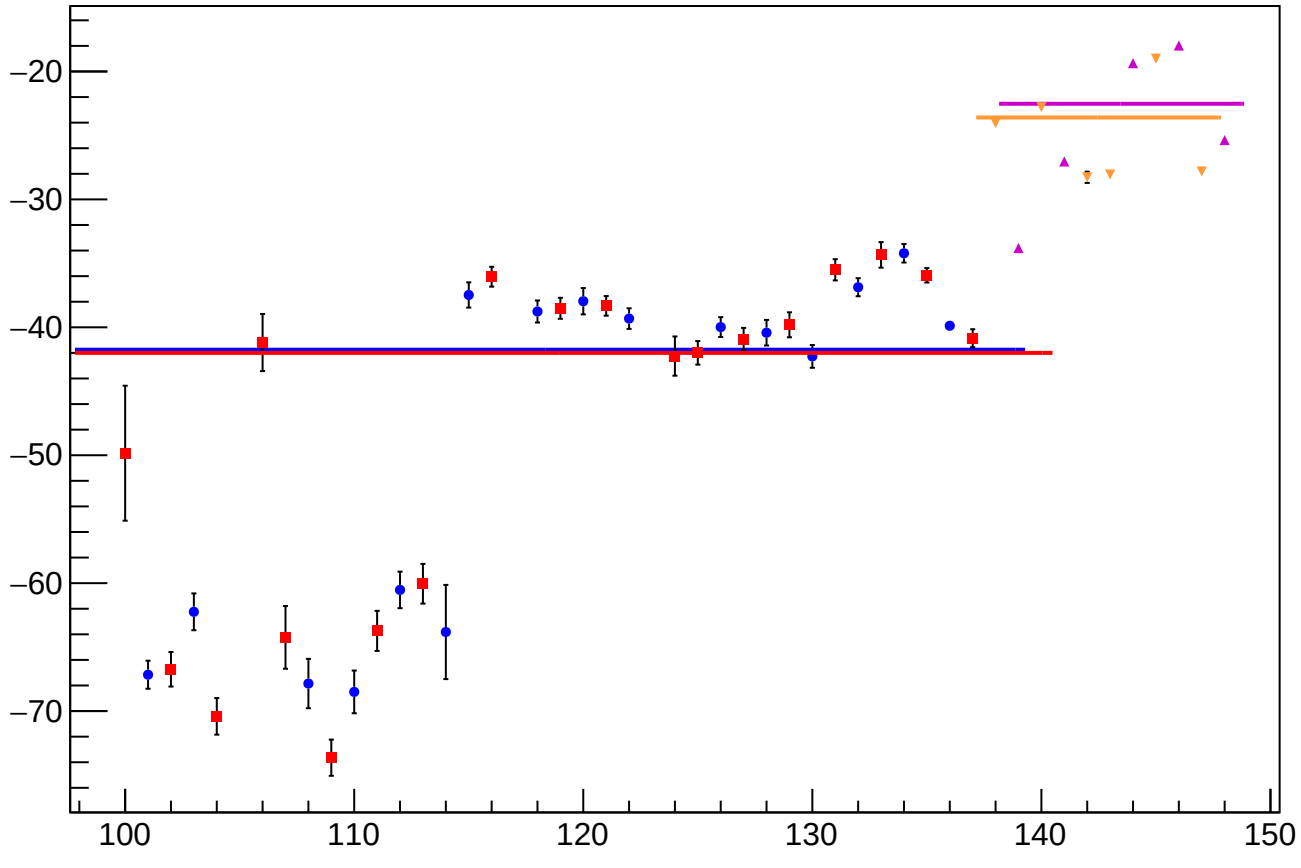
Left: 2.697+/-0.061 χ^2/NDF: 913.7/10

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.029+/-0.076 χ^2/NDF:3149.9/20

Out: 3.132+/-0.082 χ^2/NDF:3106.4/24

All: 2.543+/-0.056 χ^2/NDF: 6353.6/45



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.598+/-0.125 χ^2/NDF:889.9/5

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -22.524+/-0.125 χ^2/NDF:1759.0/4

Left: -23.059+/-0.088 χ^2/NDF: 2685.8/10

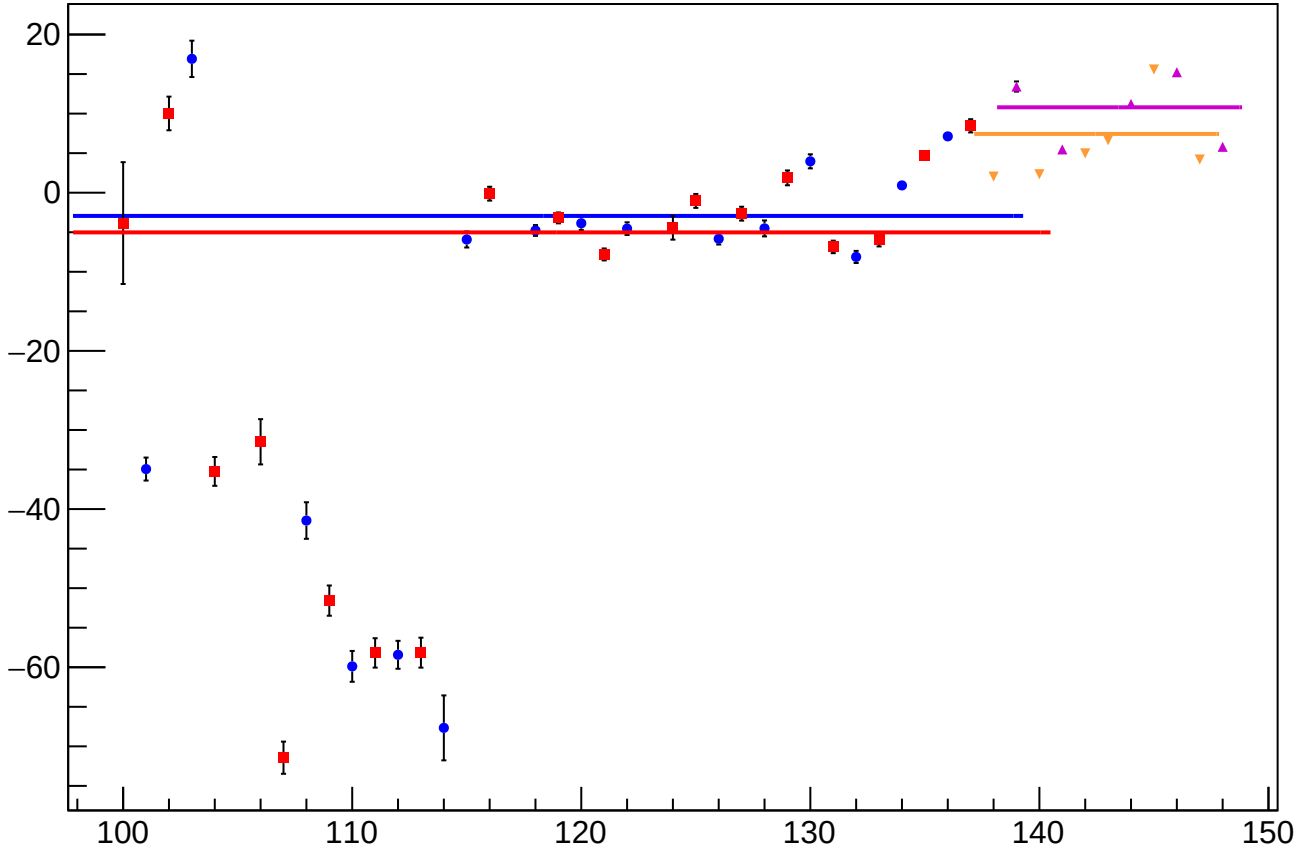
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.614+/-0.107 χ^2/NDF:9698.2/20

Out: -27.844+/-0.110 χ^2/NDF:7873.8/24

All: -27.726+/-0.077 χ^2/NDF: 17574.3/45

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 7.432+/-0.108 χ^2/NDF:2422.1/5

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 10.795+/-0.103 χ^2/NDF:1535.1/4

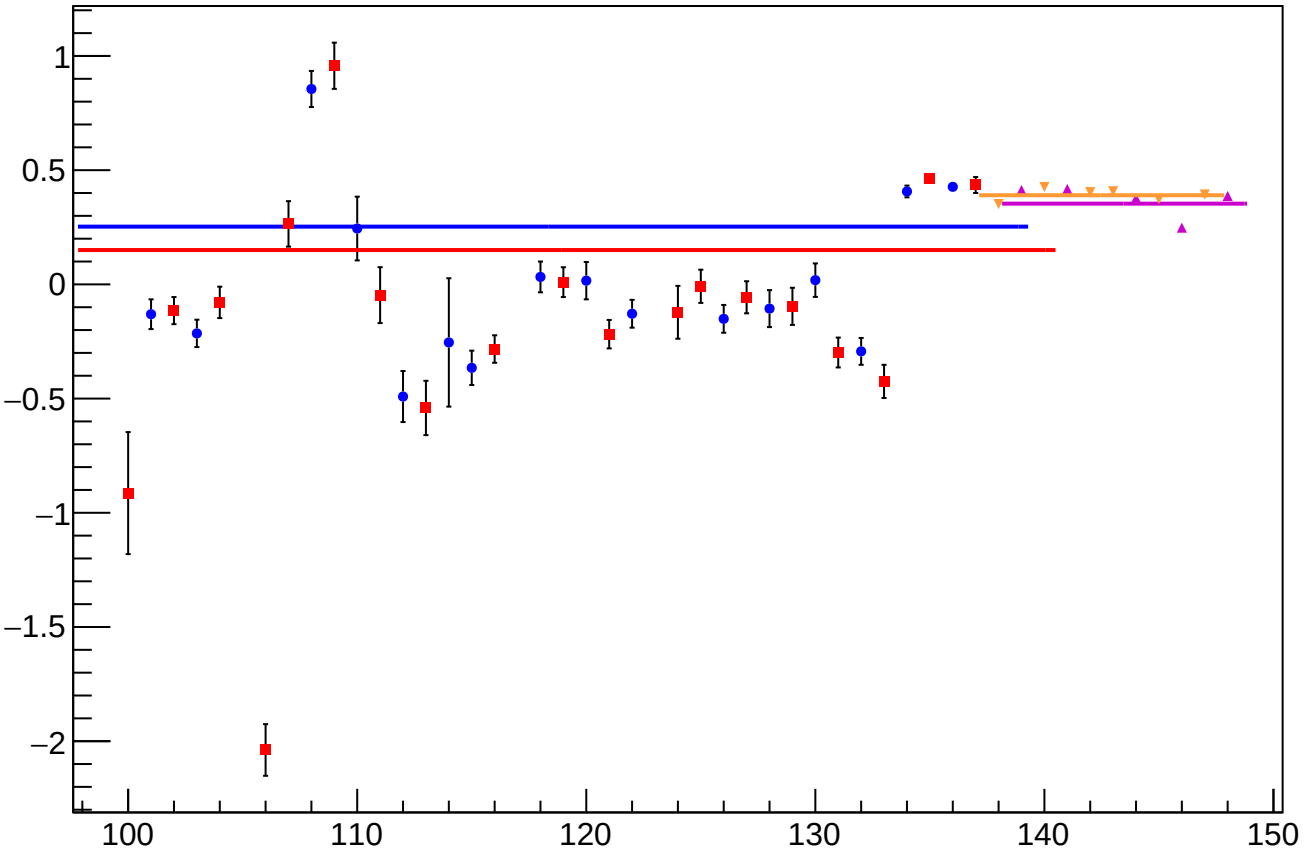
Left: 9.186+/-0.075 χ^2/NDF: 4463.2/10

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.109+/-0.093 χ^2/NDF:8710.9/20

Out: 5.212+/-0.098 χ^2/NDF:9169.6/24

All: 6.738+/-0.067 χ^2/NDF: 18342.2/45



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.005 χ^2/NDF:21.5/5

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.353+/-0.005 χ^2/NDF:175.9/4

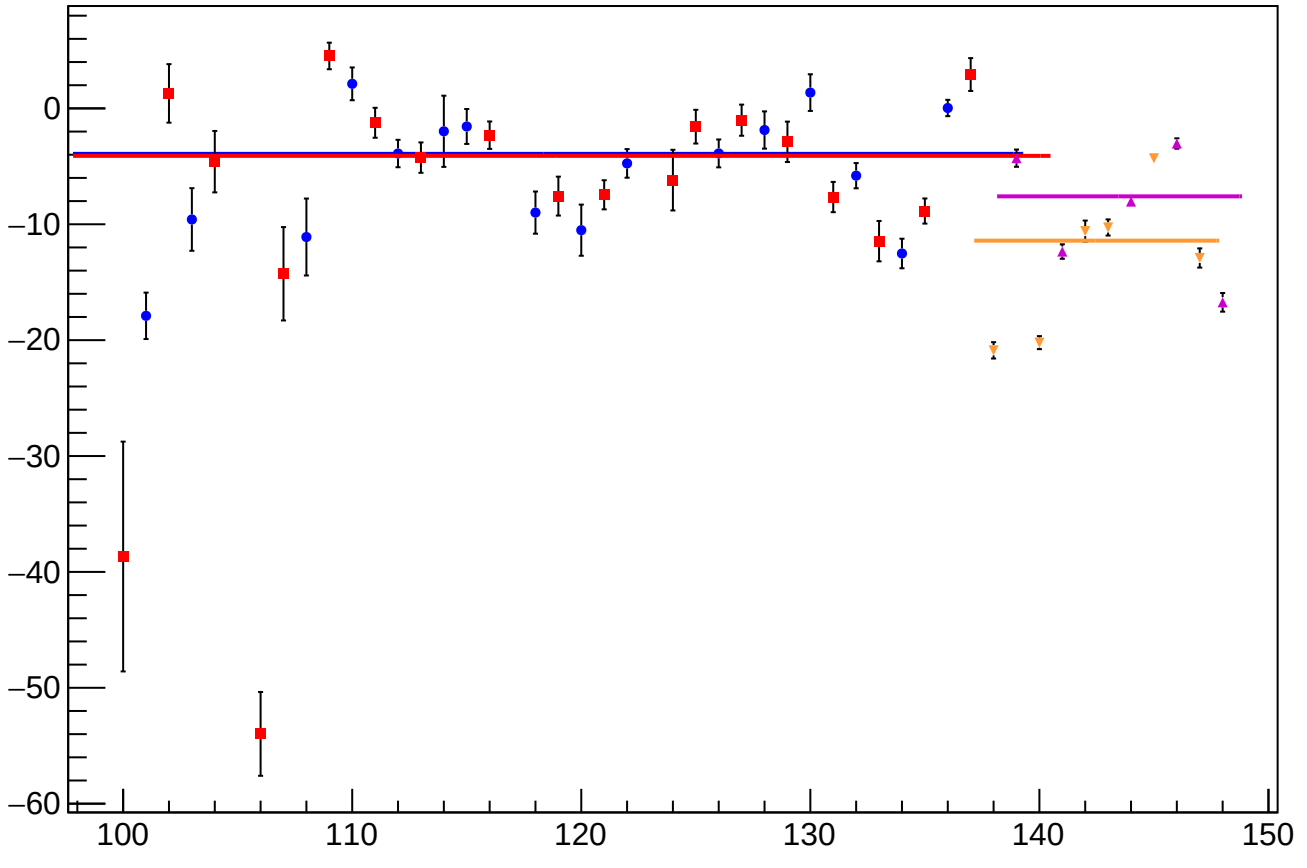
Left: 0.372+/-0.004 χ^2/NDF: 222.4/10

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.336+/-0.005 χ^2/NDF:870.6/20

Out: 0.359+/-0.005 χ^2/NDF:1319.8/24

All: 0.347+/-0.003 χ^2/NDF: 2201.3/45



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.413+/-0.247 χ^2/NDF:758.1/5

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -7.590+/-0.248 χ^2/NDF:311.3/4

Left: -9.505+/-0.175 χ^2/NDF: 1188.7/10

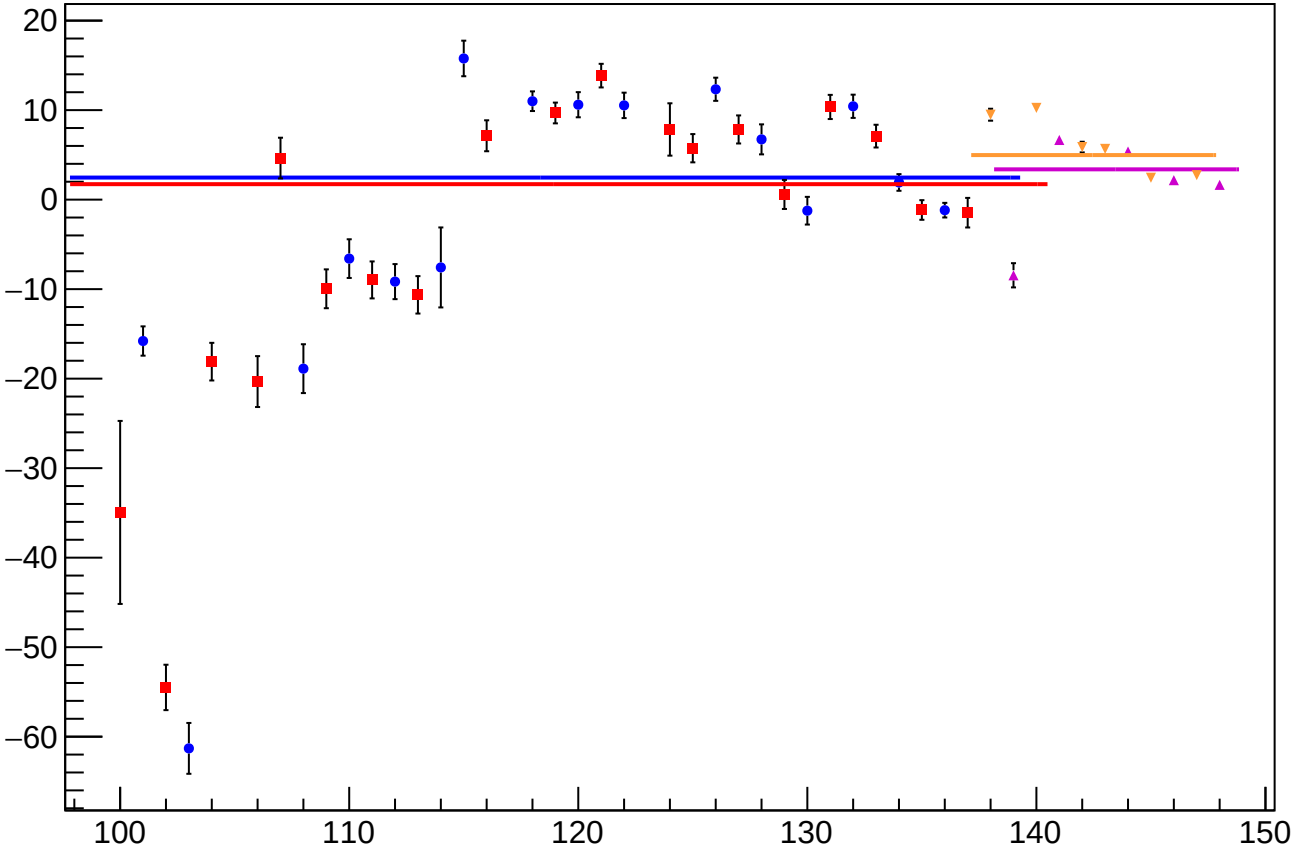
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -6.347+/-0.201 χ^2/NDF:574.3/20

Out: -9.039+/-0.203 χ^2/NDF:1409.1/24

All: -7.681+/-0.143 χ^2/NDF: 2071.9/45

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: 4.978+/-0.181 χ^2/NDF:277.5/5

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.383+/-0.165 χ^2/NDF:210.0/4

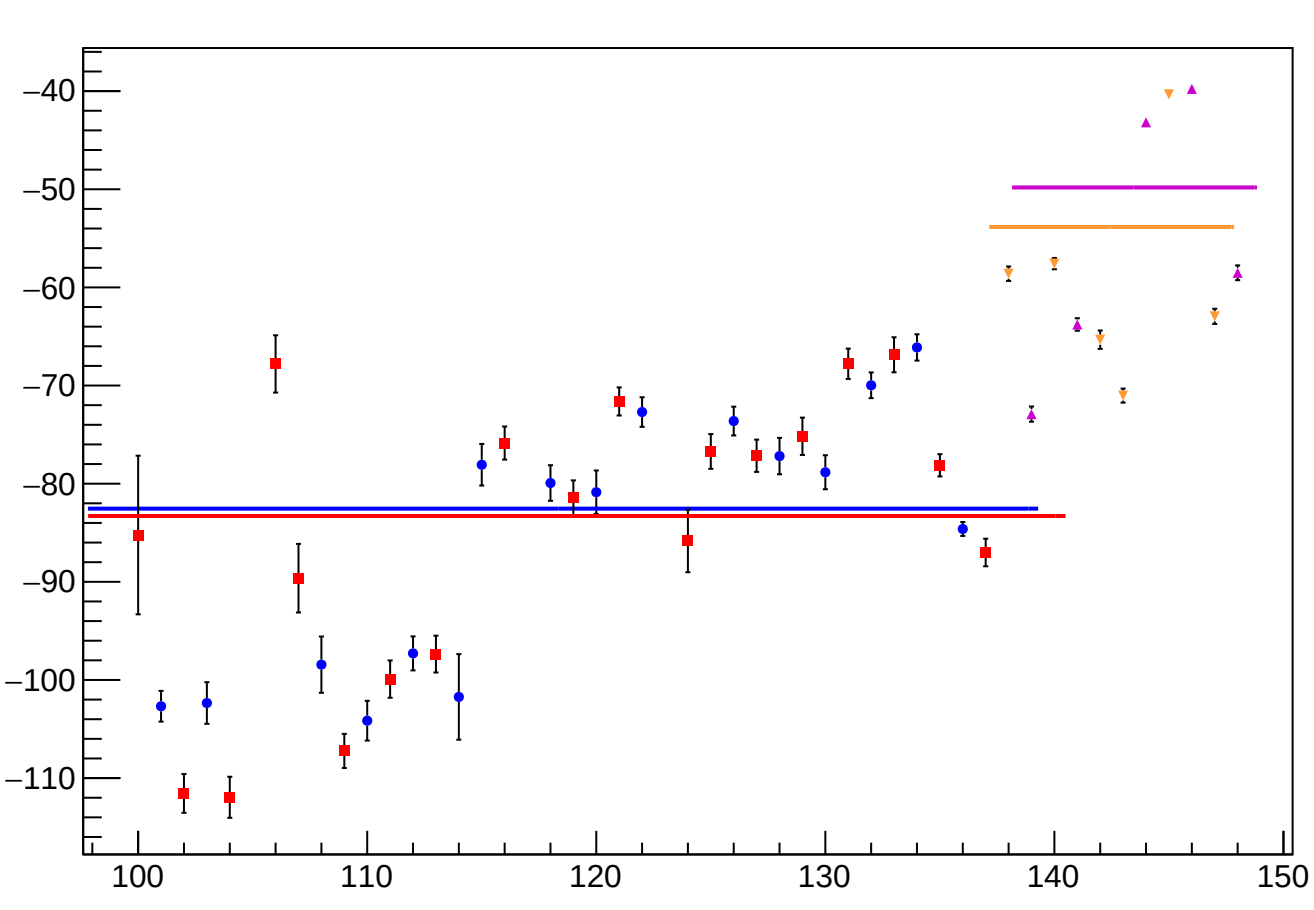
Left: 4.107+/-0.122 χ^2/NDF: 529.7/10

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.221+/-0.150 χ^2/NDF:1262.2/20

Out: 4.390+/-0.164 χ^2/NDF:1318.6/24

All: 3.753+/-0.111 χ^2/NDF: 2608.4/45



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -53.843+/-0.253 χ^2/NDF:2052.4/5

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -49.816+/-0.248 χ^2/NDF:2261.4/4

Left: -51.789+/-0.177 χ^2/NDF: 4443.4/10

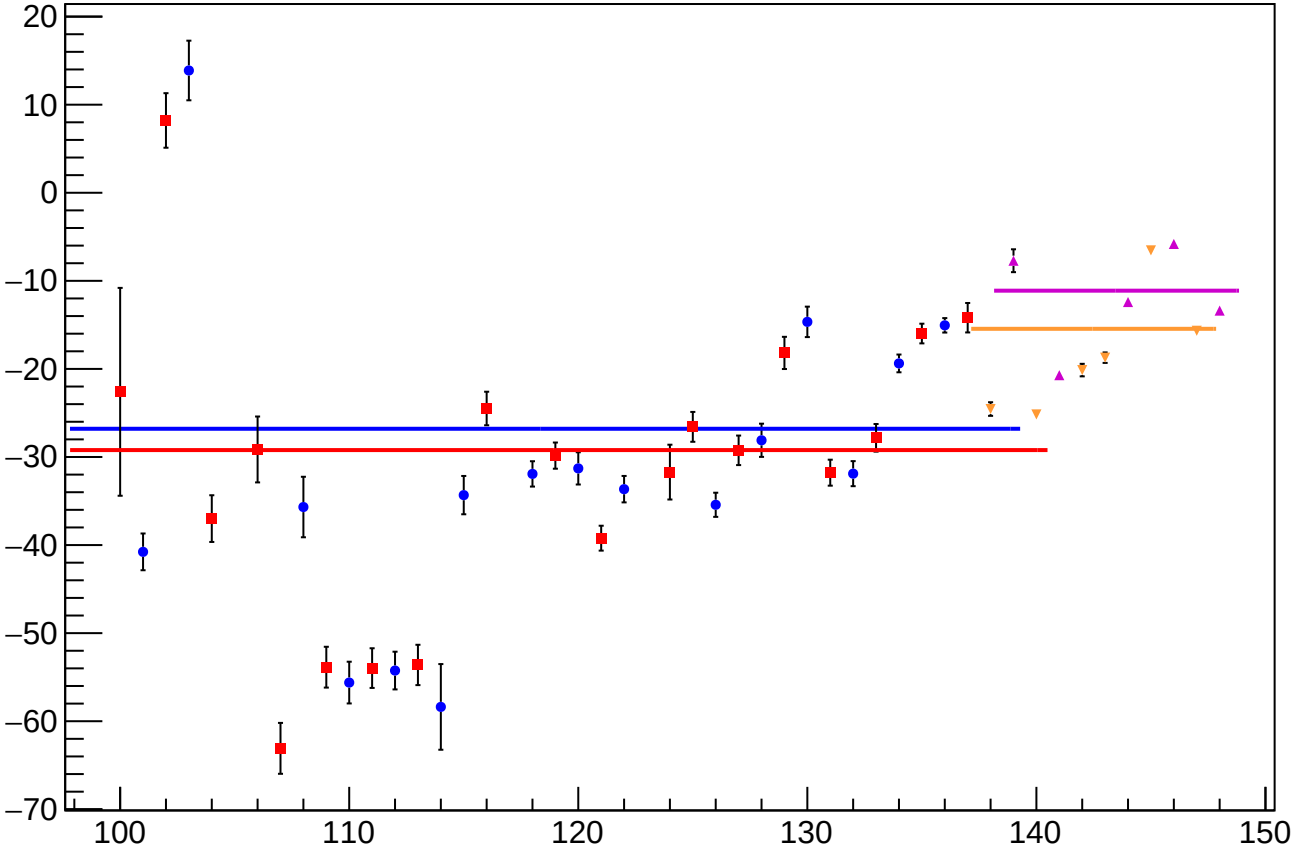
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.418+/-0.208 χ^2/NDF:8224.1/20

Out: -61.829+/-0.216 χ^2/NDF:6827.6/24

All: -60.580+/-0.150 χ^2/NDF: 15116.4/45

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: -15.447+/-0.219 χ^2/NDF:1105.8/5

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -11.116+/-0.205 χ^2/NDF:606.6/4

Left: -13.133+/-0.150 χ^2/NDF: 1920.5/10

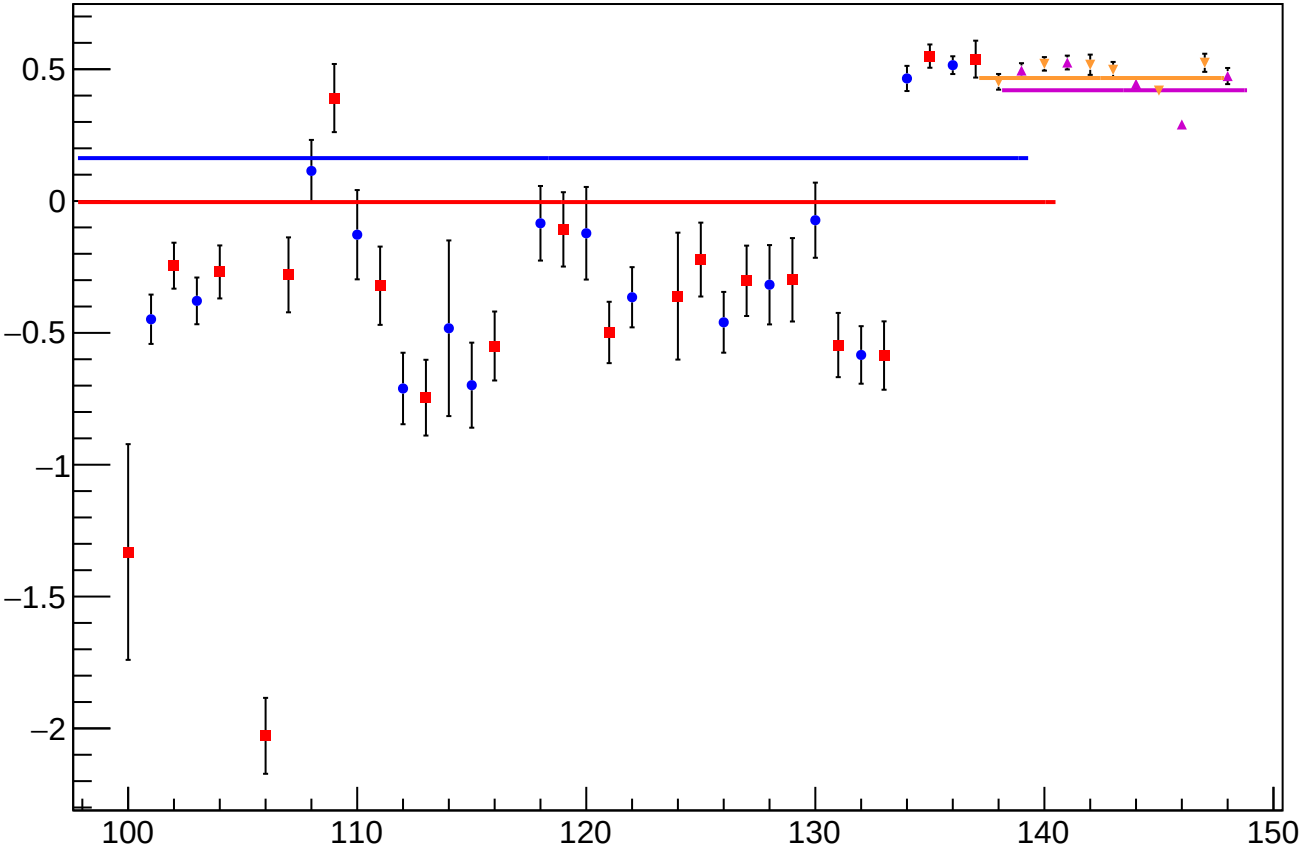
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.431+/-0.182 χ^2/NDF:2808.9/20

Out: -18.280+/-0.196 χ^2/NDF:2876.7/24

All: -16.217+/-0.133 χ^2/NDF: 5893.2/45

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.467+/-0.010 χ^2/NDF:19.0/5

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.420+/-0.010 χ^2/NDF:76.0/4

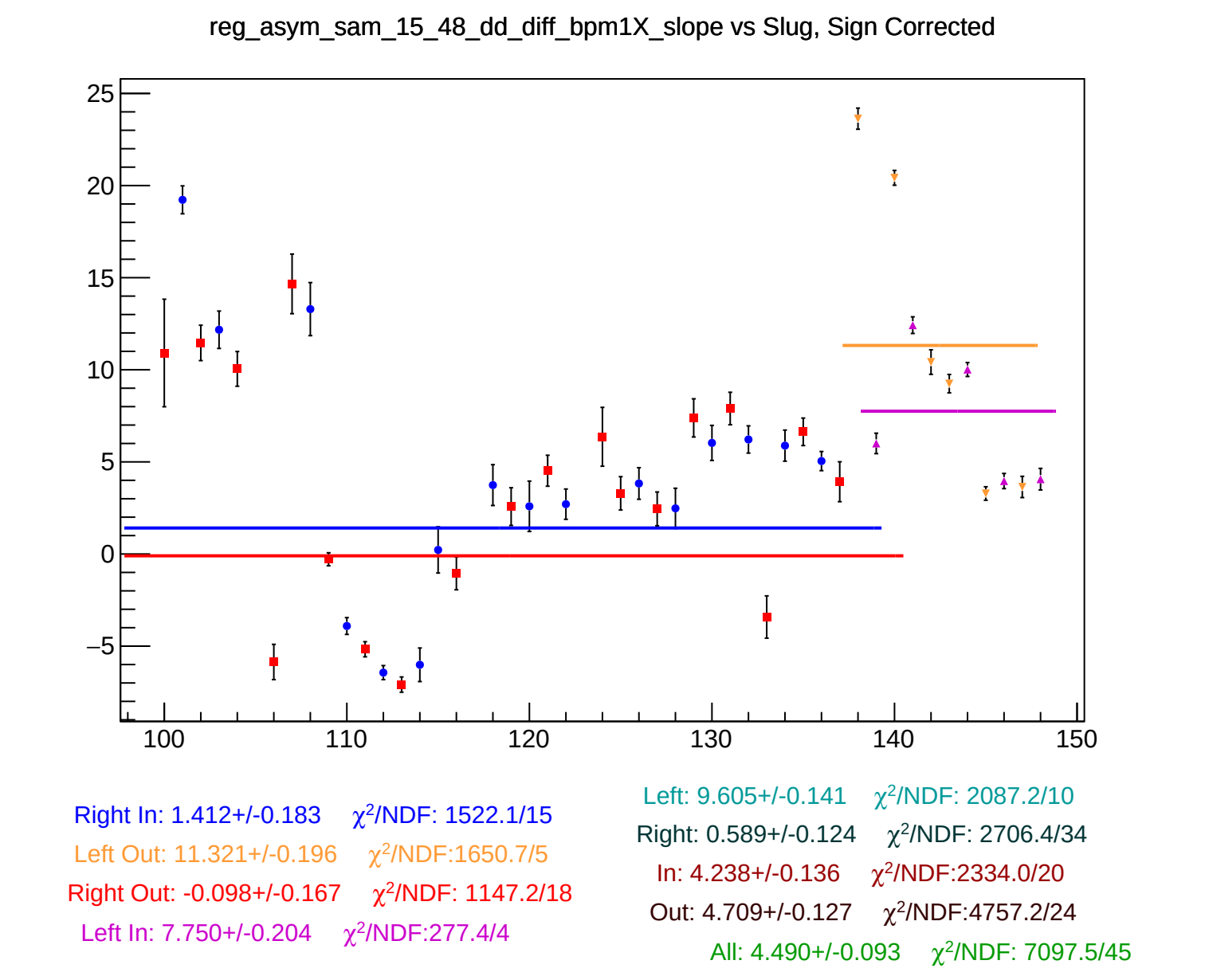
Left: 0.443+/-0.007 χ^2/NDF: 104.9/10

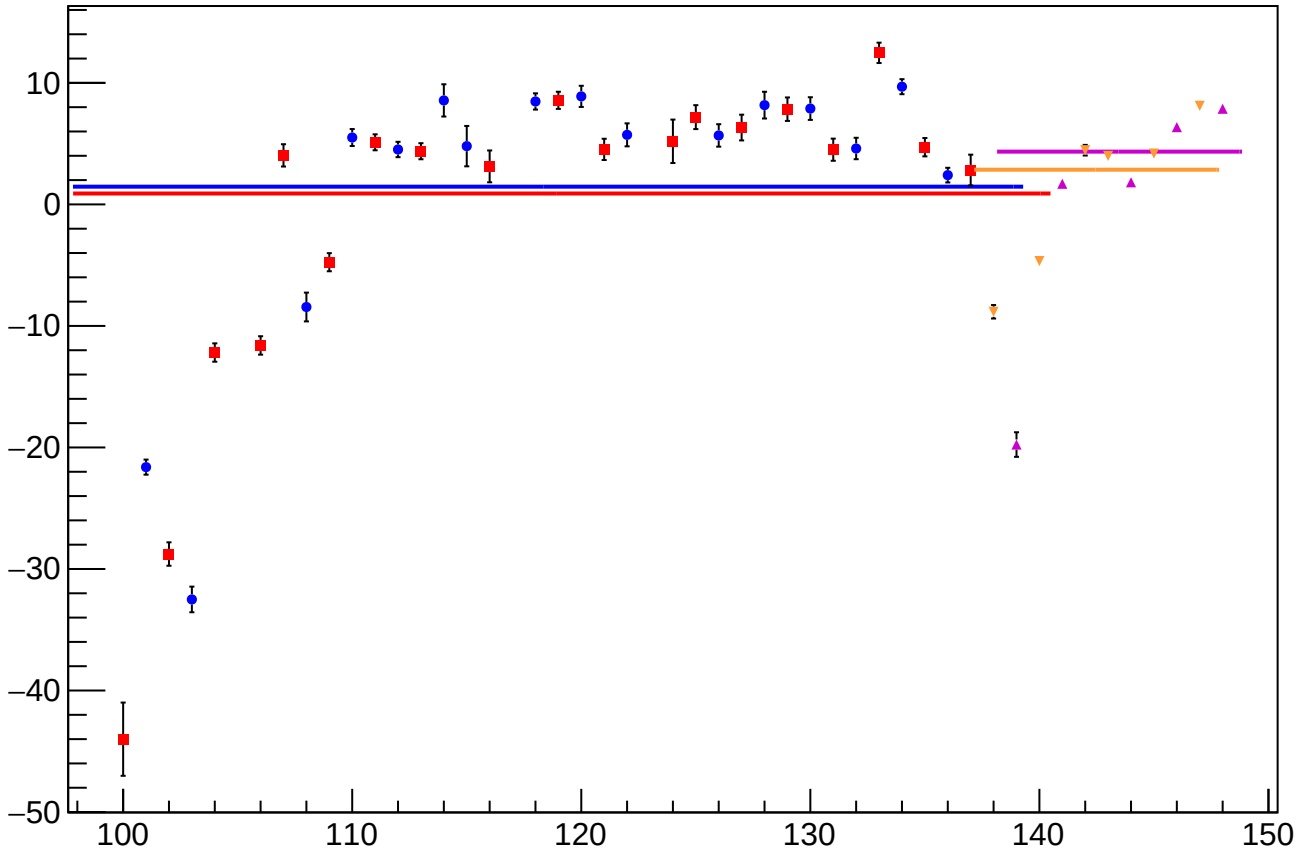
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.371+/-0.009 χ^2/NDF:615.7/20

Out: 0.393+/-0.010 χ^2/NDF:906.2/24

All: 0.382+/-0.007 χ^2/NDF: 1524.6/45


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 1.412+/-0.183 χ²/NDF: 1522.1/15
Left Out: 11.321+/-0.196 χ²/NDF:1650.7/5
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 7.750+/-0.204 χ²/NDF:277.4/4
Left: 9.605+/-0.141 χ²/NDF: 2087.2/10
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 4.238+/-0.136 χ²/NDF:2334.0/20
Out: 4.709+/-0.127 χ²/NDF:4757.2/24
All: 4.490+/-0.093 χ²/NDF: 7097.5/45



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.855+/-0.141 χ^2/NDF:1390.1/5

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.342+/-0.137 χ^2/NDF:947.2/4

Left: 3.620+/-0.098 χ^2/NDF: 2394.6/10

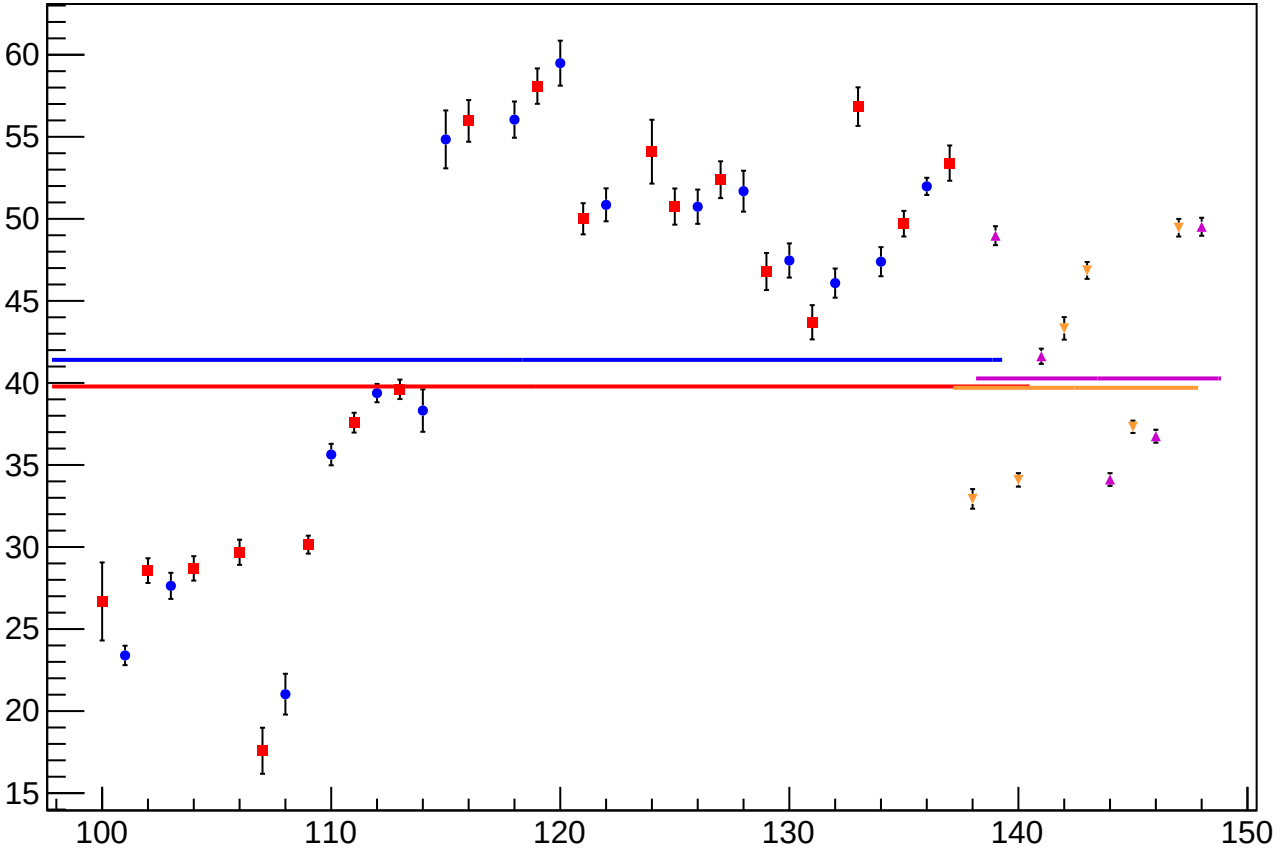
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.444+/-0.114 χ^2/NDF:4165.8/20

Out: 2.214+/-0.116 χ^2/NDF:3830.4/24

All: 2.840+/-0.081 χ^2/NDF: 8053.9/45

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 39.705+/-0.200 χ^2/NDF:902.4/5

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 40.273+/-0.204 χ^2/NDF:851.1/4

Left: 39.983+/-0.143 χ^2/NDF: 1757.5/10

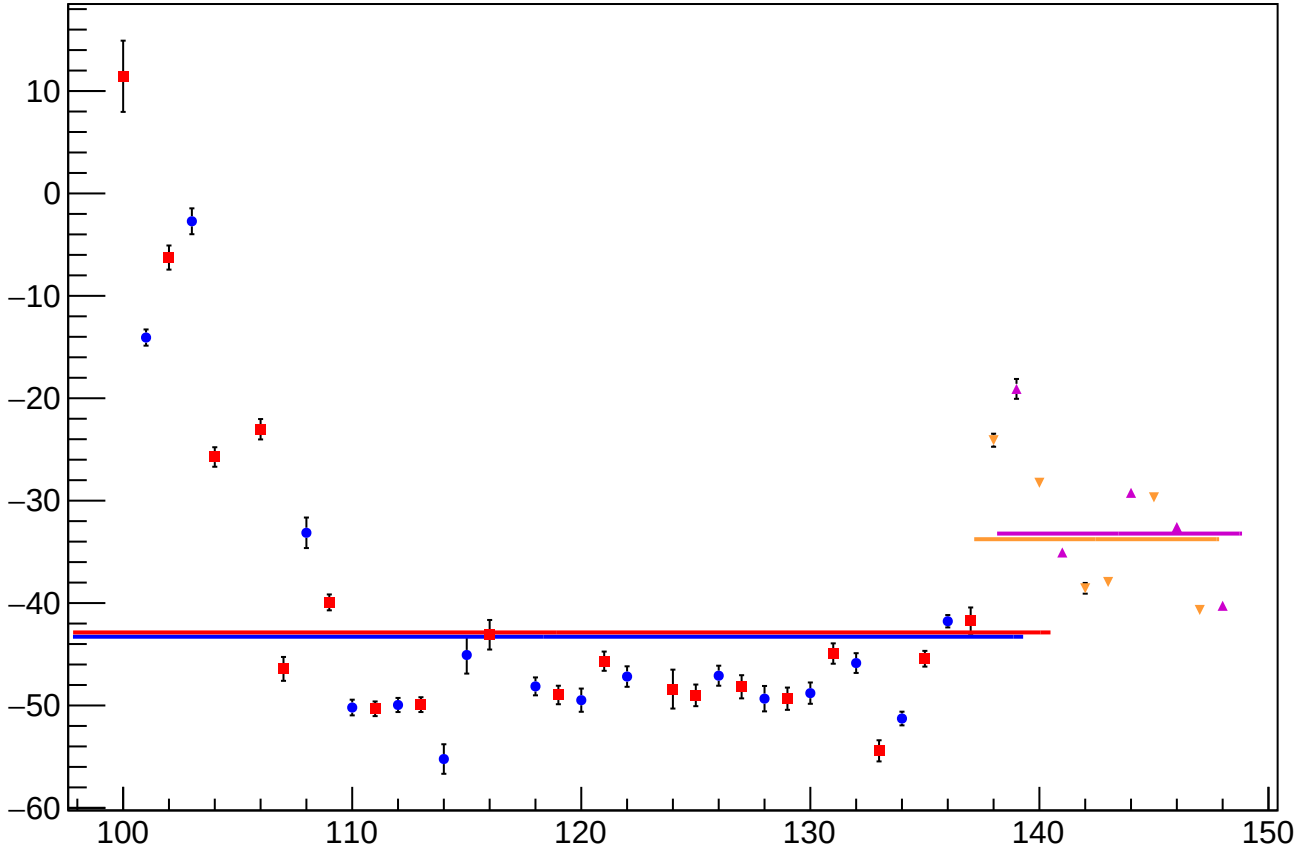
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.822+/-0.147 χ^2/NDF:3612.1/20

Out: 39.744+/-0.142 χ^2/NDF:3556.3/24

All: 40.267+/-0.102 χ^2/NDF: 7196.2/45

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -33.763+/-0.172 χ^2/NDF:1099.4/5

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.215+/-0.170 χ^2/NDF:721.6/4

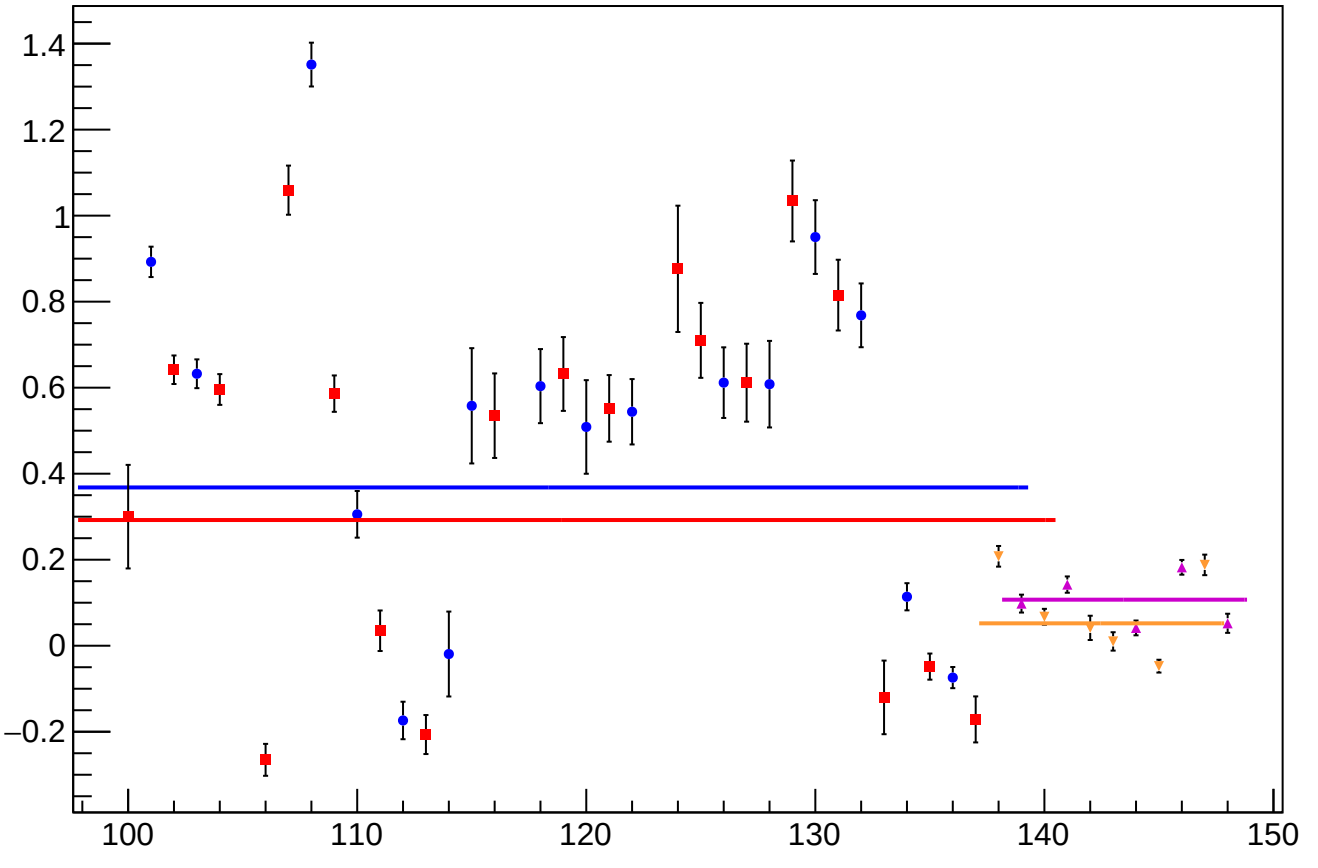
Left: -33.486+/-0.121 χ^2/NDF: 1826.2/10

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.785+/-0.137 χ^2/NDF:4951.6/20

Out: -37.047+/-0.138 χ^2/NDF:4563.8/24

All: -36.915+/-0.097 χ^2/NDF: 9517.2/45



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.052+/-0.008 χ^2/NDF:123.8/5

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.107+/-0.008 χ^2/NDF:43.6/4

Left: 0.079+/-0.006 χ^2/NDF: 188.7/10

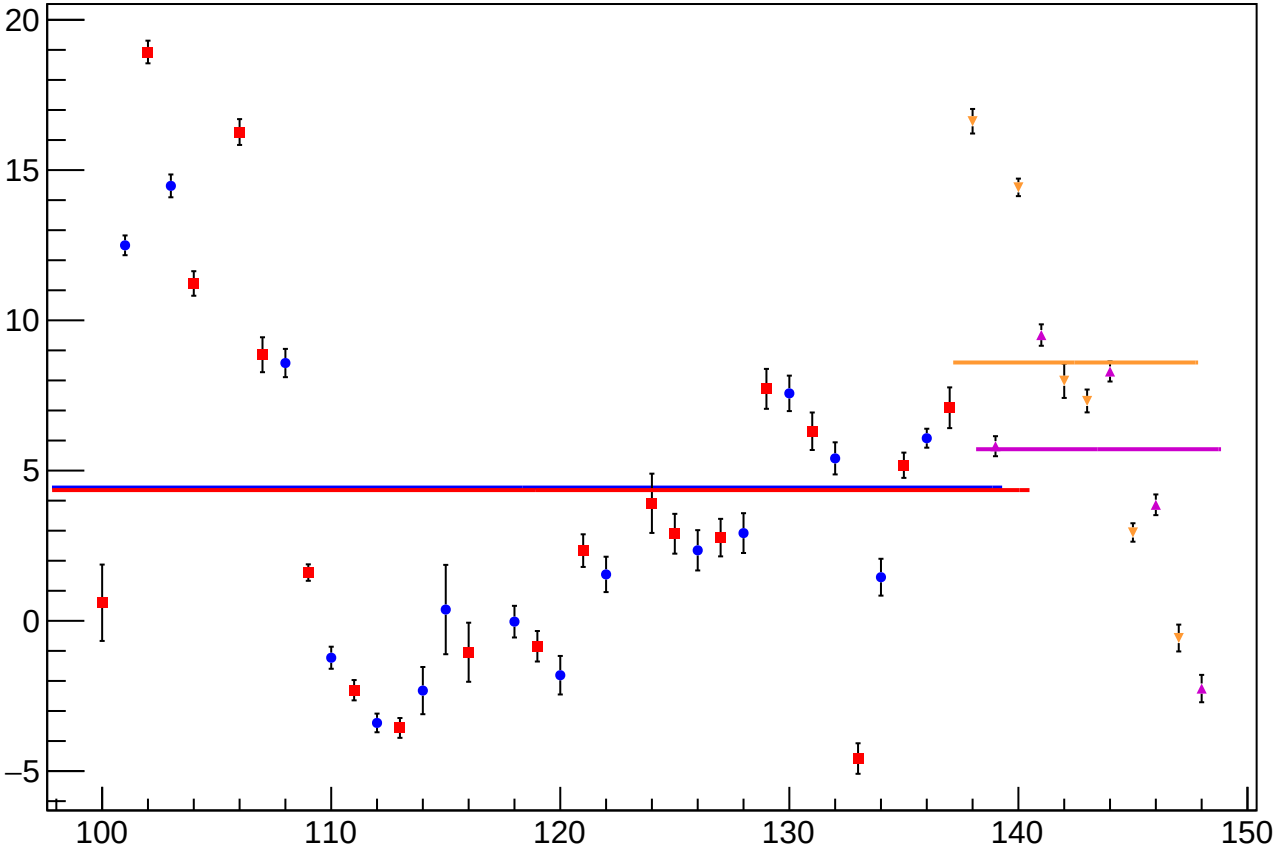
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.192+/-0.007 χ^2/NDF:1672.9/20

Out: 0.129+/-0.007 χ^2/NDF:1590.1/24

All: 0.160+/-0.005 χ^2/NDF: 3304.2/45

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: 8.597+/-0.152 χ^2/NDF:1558.7/5

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 5.711+/-0.160 χ^2/NDF:508.7/4

Left: 7.228+/-0.110 χ^2/NDF: 2238.5/10

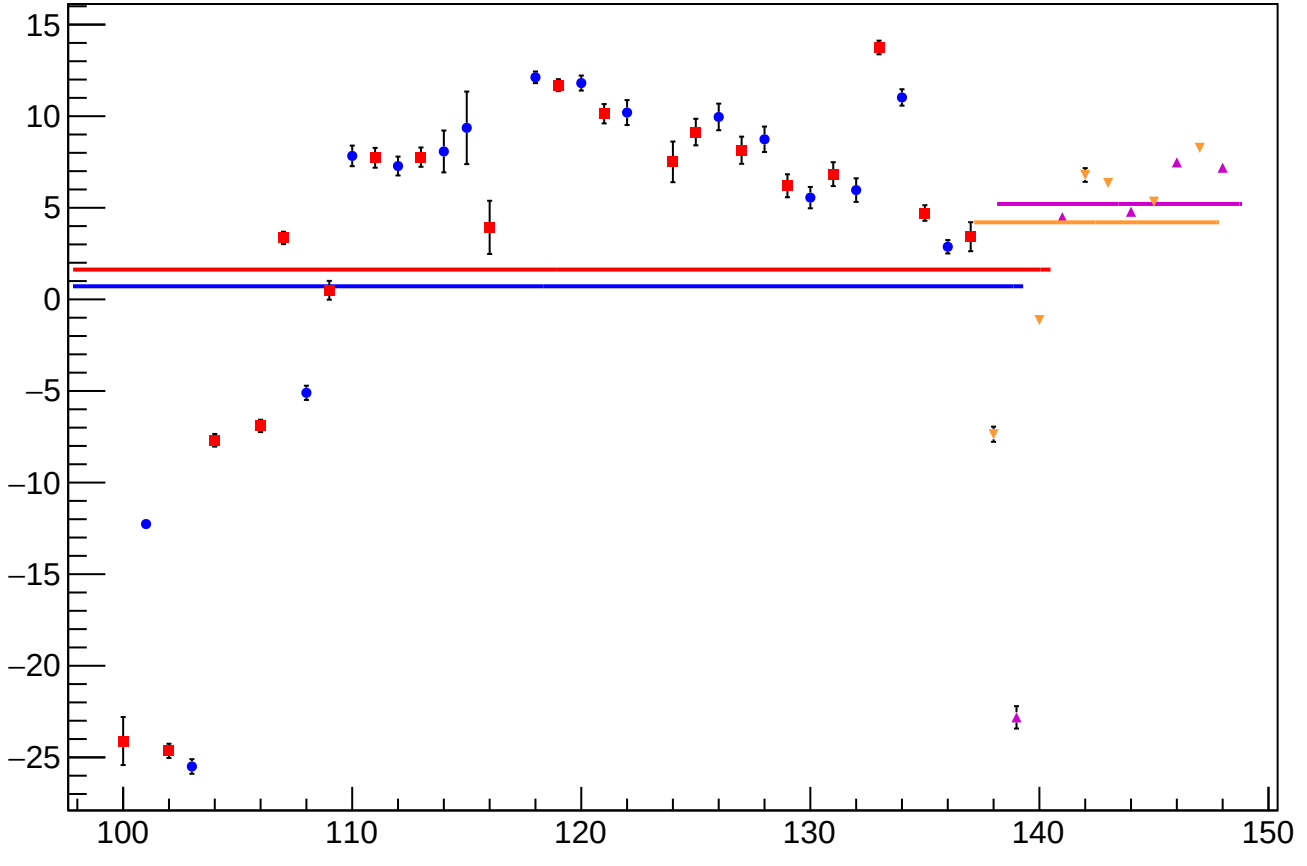
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.880+/-0.094 χ^2/NDF:3172.2/20

Out: 5.796+/-0.089 χ^2/NDF:6279.4/24

All: 5.367+/-0.065 χ^2/NDF: 9501.7/45

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.207+/-0.111 χ^2/NDF:1762.8/5

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.210+/-0.114 χ^2/NDF:2306.5/4

Left: 4.696+/-0.080 χ^2/NDF: 4109.0/10

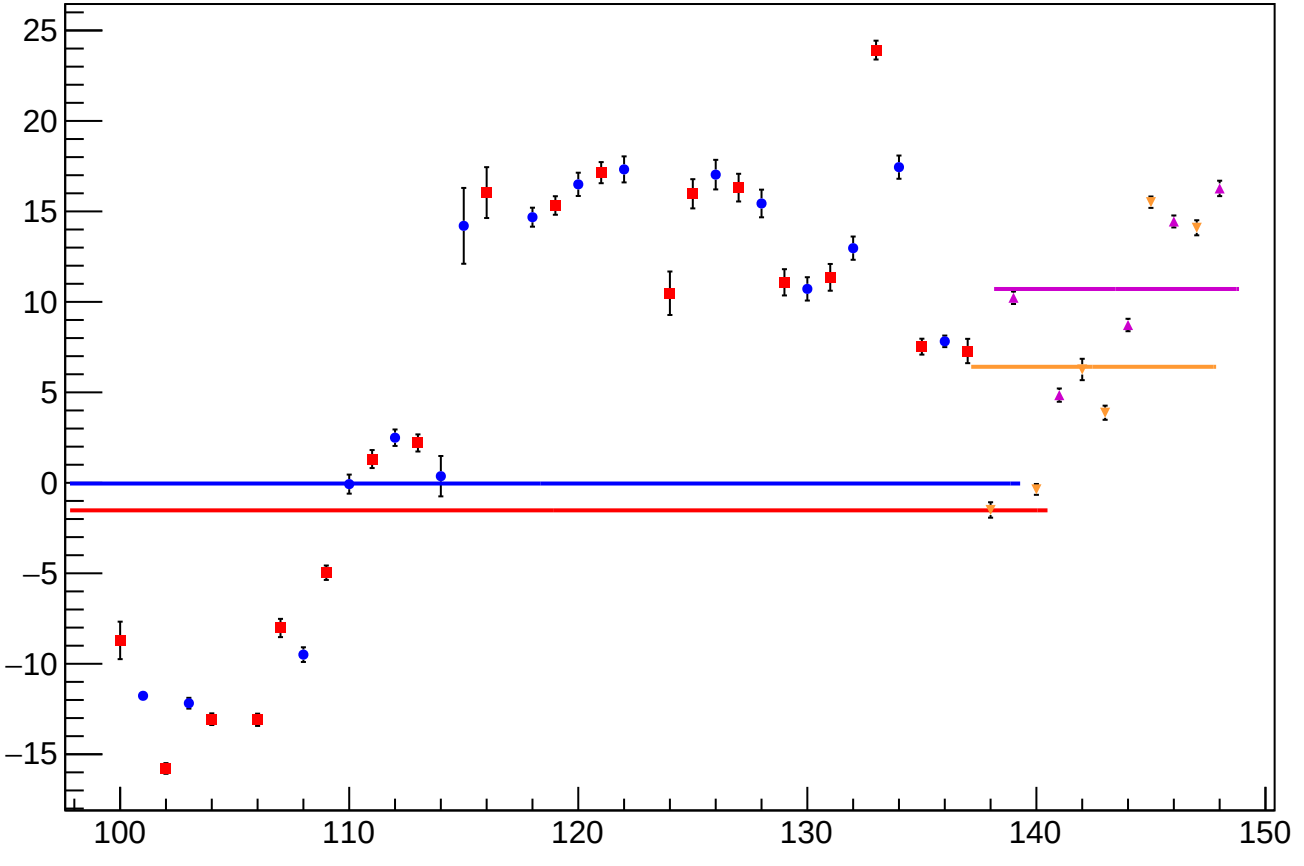
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.001+/-0.081 χ^2/NDF:13525.3/20

Out: 2.915+/-0.079 χ^2/NDF:11288.0/24

All: 2.957+/-0.056 χ^2/NDF: 24813.9/45

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.413+/-0.155 χ^2/NDF:2070.1/5

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.713+/-0.160 χ^2/NDF:589.3/4

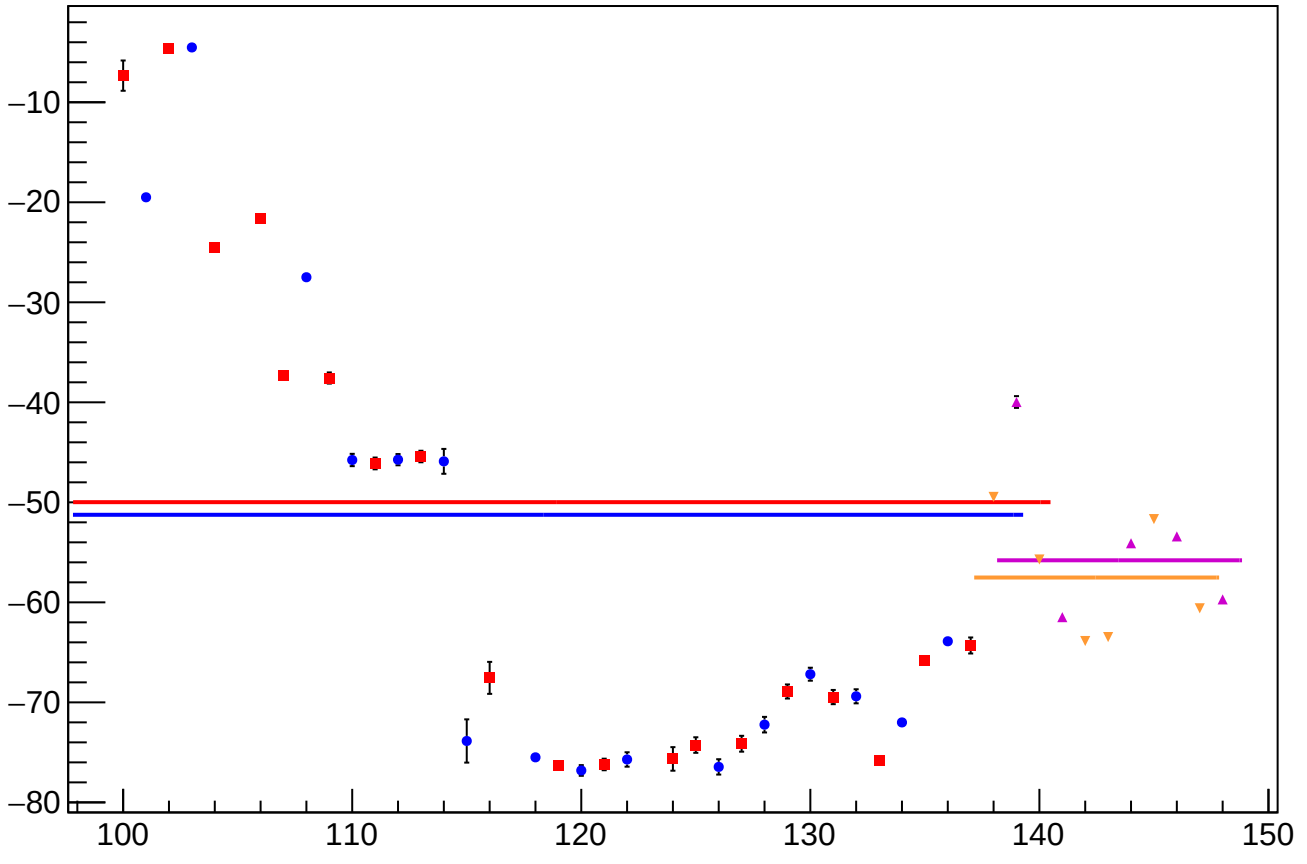
Left: 8.484+/-0.111 χ^2/NDF: 3032.0/10

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.794+/-0.096 χ^2/NDF:12755.4/20

Out: 1.309+/-0.092 χ^2/NDF:15895.4/24

All: 2.506+/-0.066 χ^2/NDF: 29000.0/45



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.518+/-0.135 χ^2/NDF:1381.7/5

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.796+/-0.140 χ^2/NDF:1346.4/4

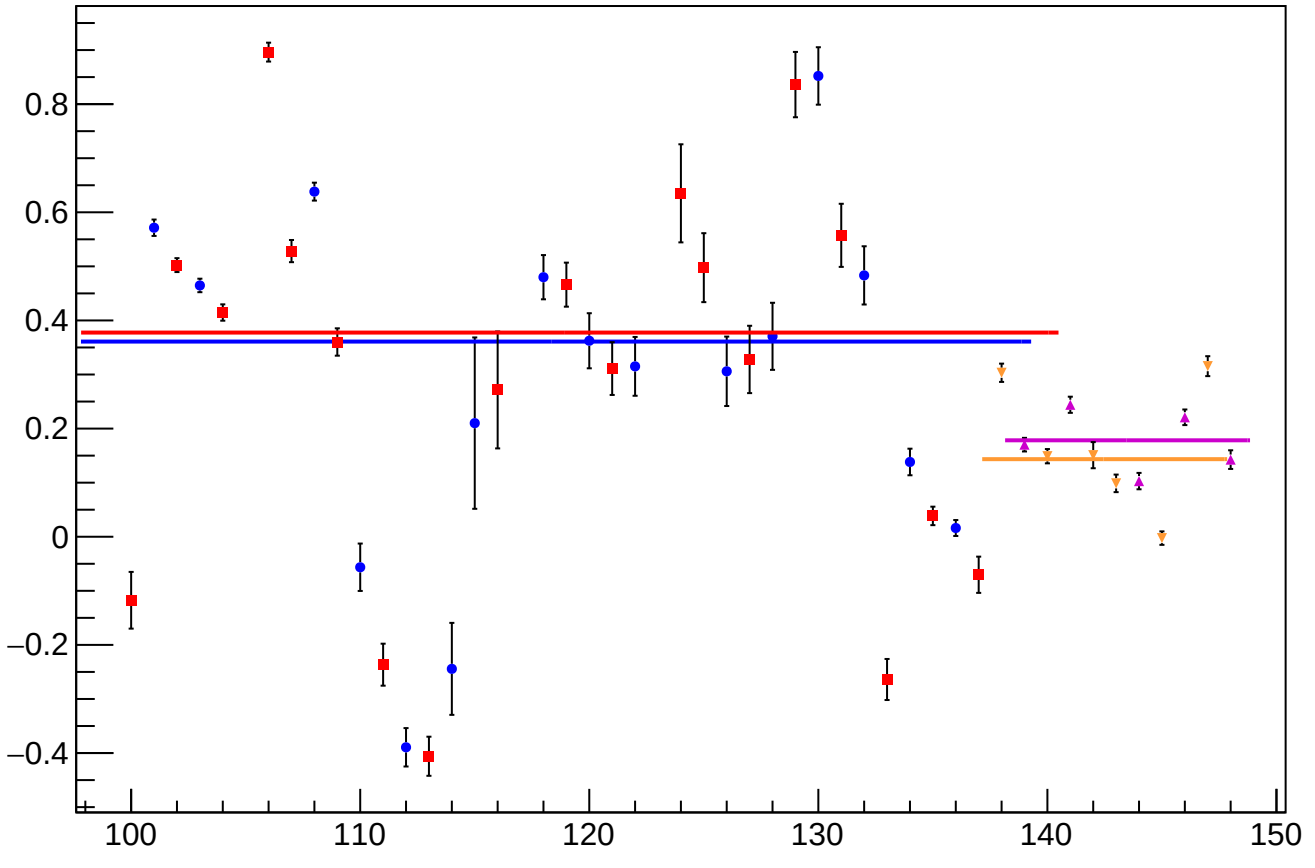
Left: -56.686+/-0.097 χ^2/NDF: 2806.3/10

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -53.450+/-0.097 χ^2/NDF:35655.8/20

Out: -53.618+/-0.094 χ^2/NDF:36877.9/24

All: -53.537+/-0.068 χ^2/NDF: 72535.2/45



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.143+/-0.006 χ^2/NDF:321.5/5

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.178+/-0.007 χ^2/NDF:57.6/4

Left: 0.161+/-0.005 χ^2/NDF: 393.5/10

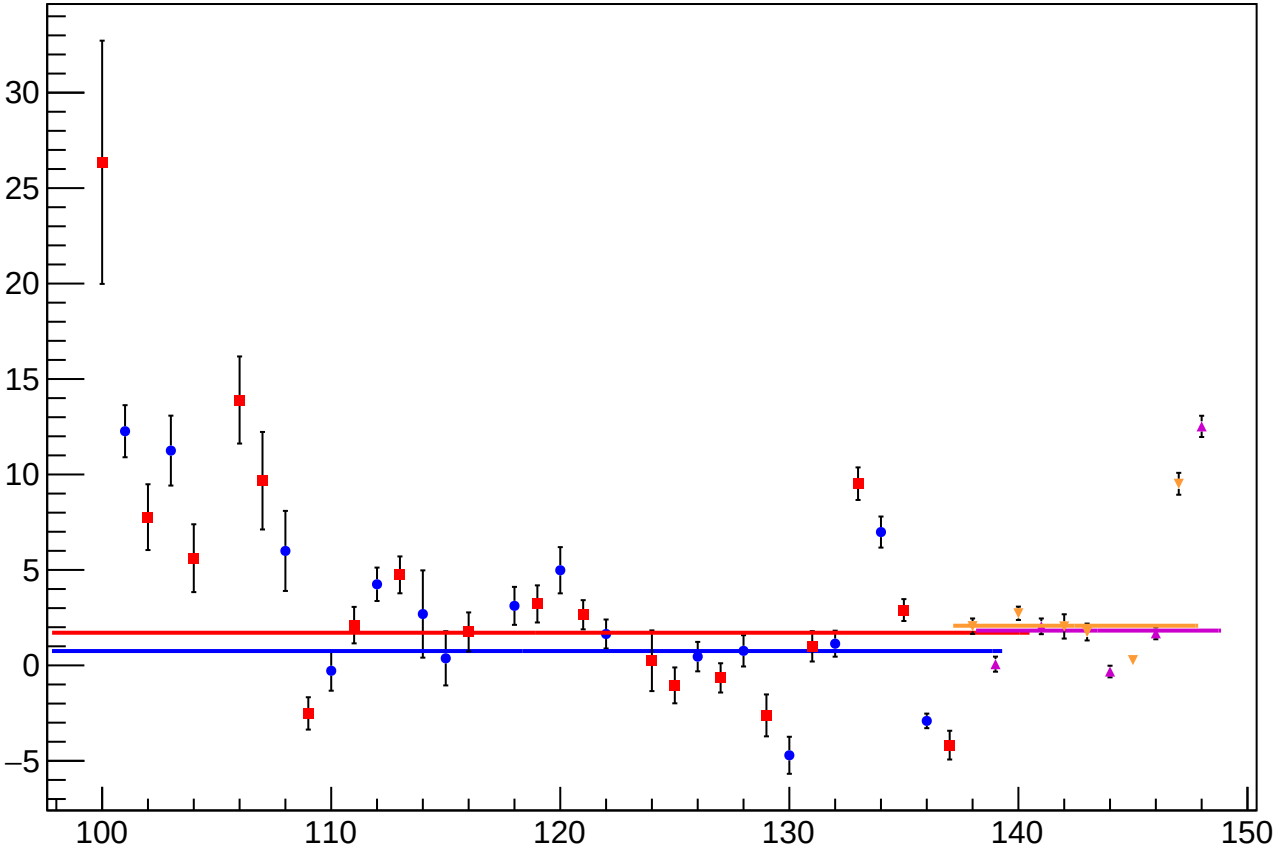
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.272+/-0.005 χ^2/NDF:2317.5/20

Out: 0.267+/-0.004 χ^2/NDF:3807.2/24

All: 0.269+/-0.003 χ^2/NDF: 6125.4/45

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.078+/-0.159 χ^2/NDF:218.9/5

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.822+/-0.165 χ^2/NDF:439.2/4

Left: 1.955+/-0.115 χ^2/NDF: 659.4/10

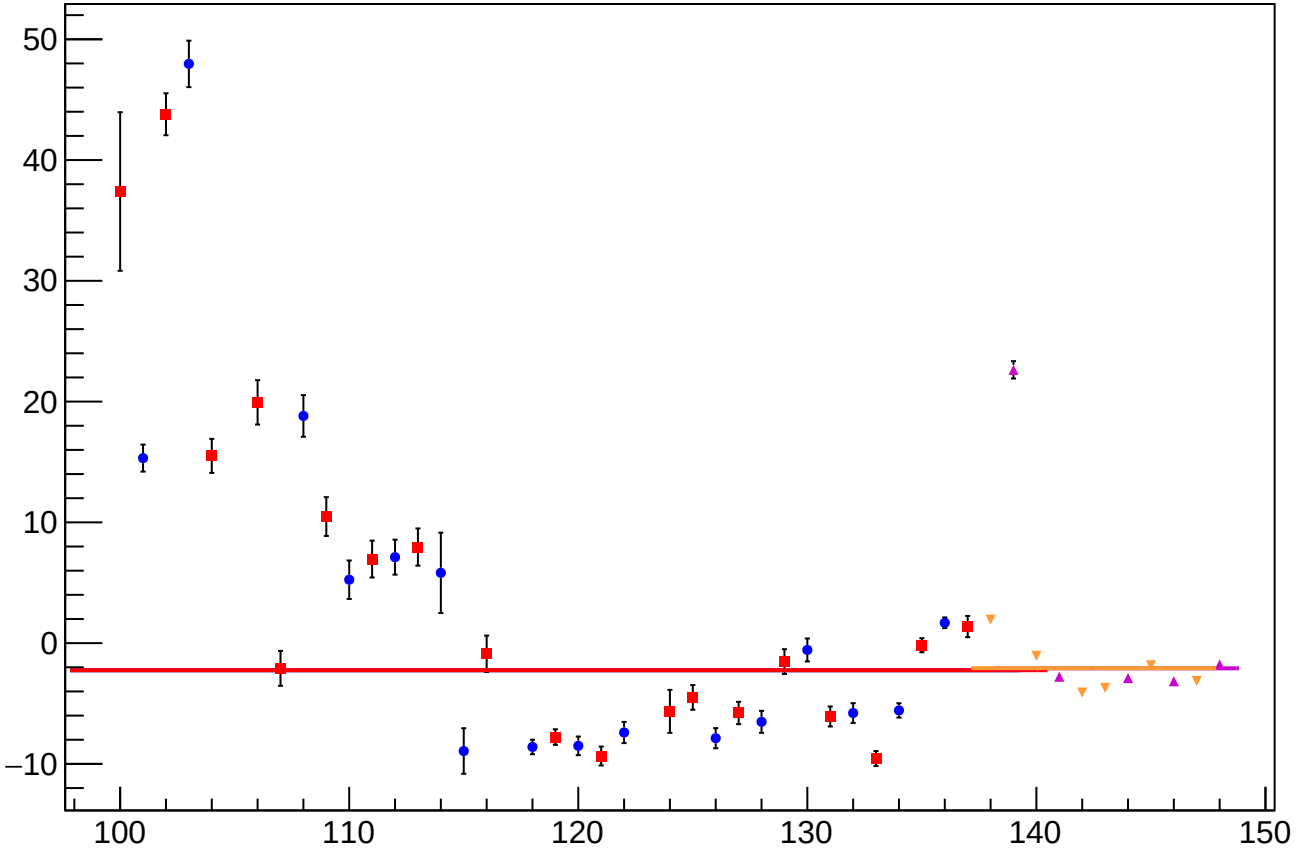
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 1.418+/-0.131 χ^2/NDF:785.1/20

Out: 1.953+/-0.130 χ^2/NDF:514.6/24

All: 1.687+/-0.092 χ^2/NDF: 1308.2/45

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: -2.072+/-0.120 χ^2/NDF:182.3/5

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.086+/-0.116 χ^2/NDF:1235.2/4

Left: -2.079+/-0.083 χ^2/NDF: 1417.5/10

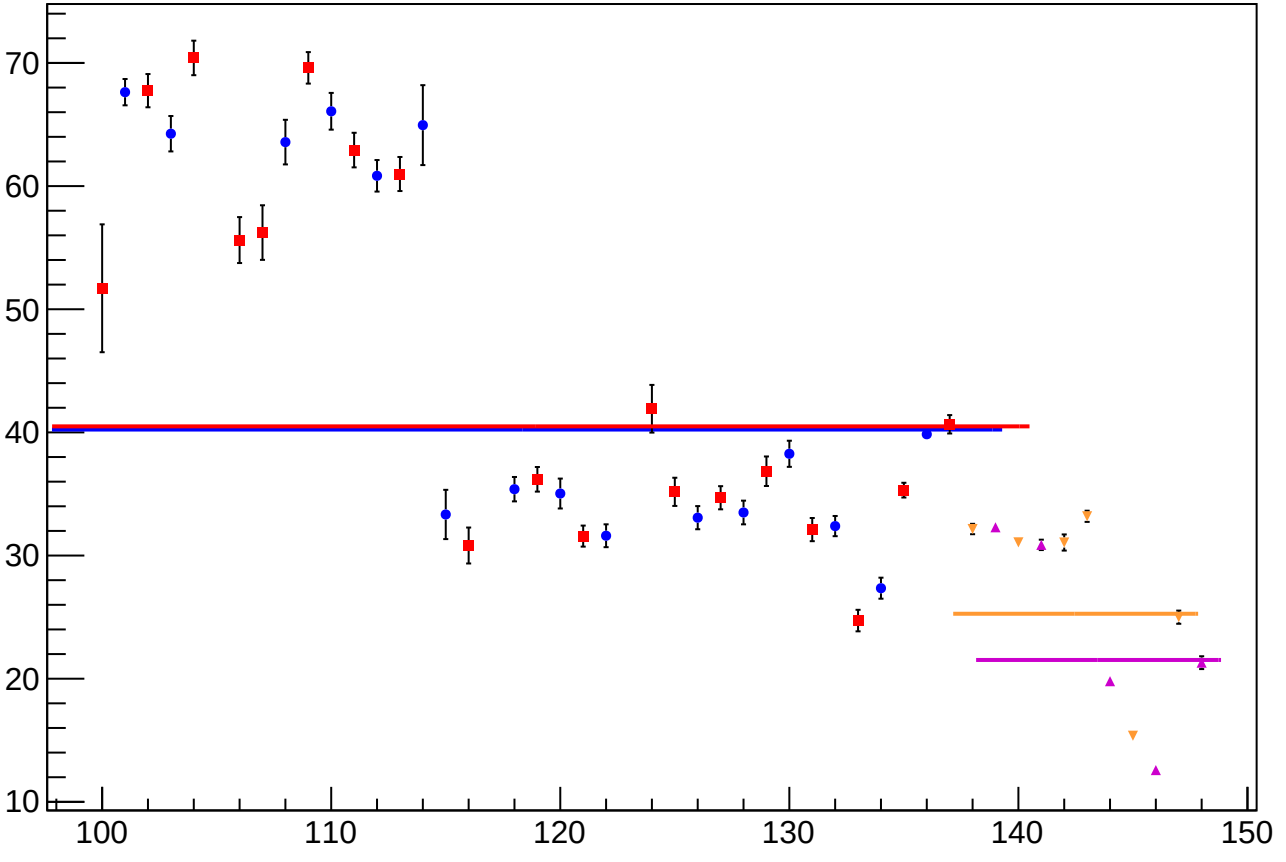
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.122+/-0.102 χ^2/NDF:2808.2/20

Out: -2.109+/-0.106 χ^2/NDF:1738.4/24

All: -2.116+/-0.074 χ^2/NDF: 4546.5/45

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: 25.274+/-0.163 χ^2/NDF:2235.4/5

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.522+/-0.166 χ^2/NDF:2087.0/4

Left: 23.428+/-0.116 χ^2/NDF: 4582.2/10

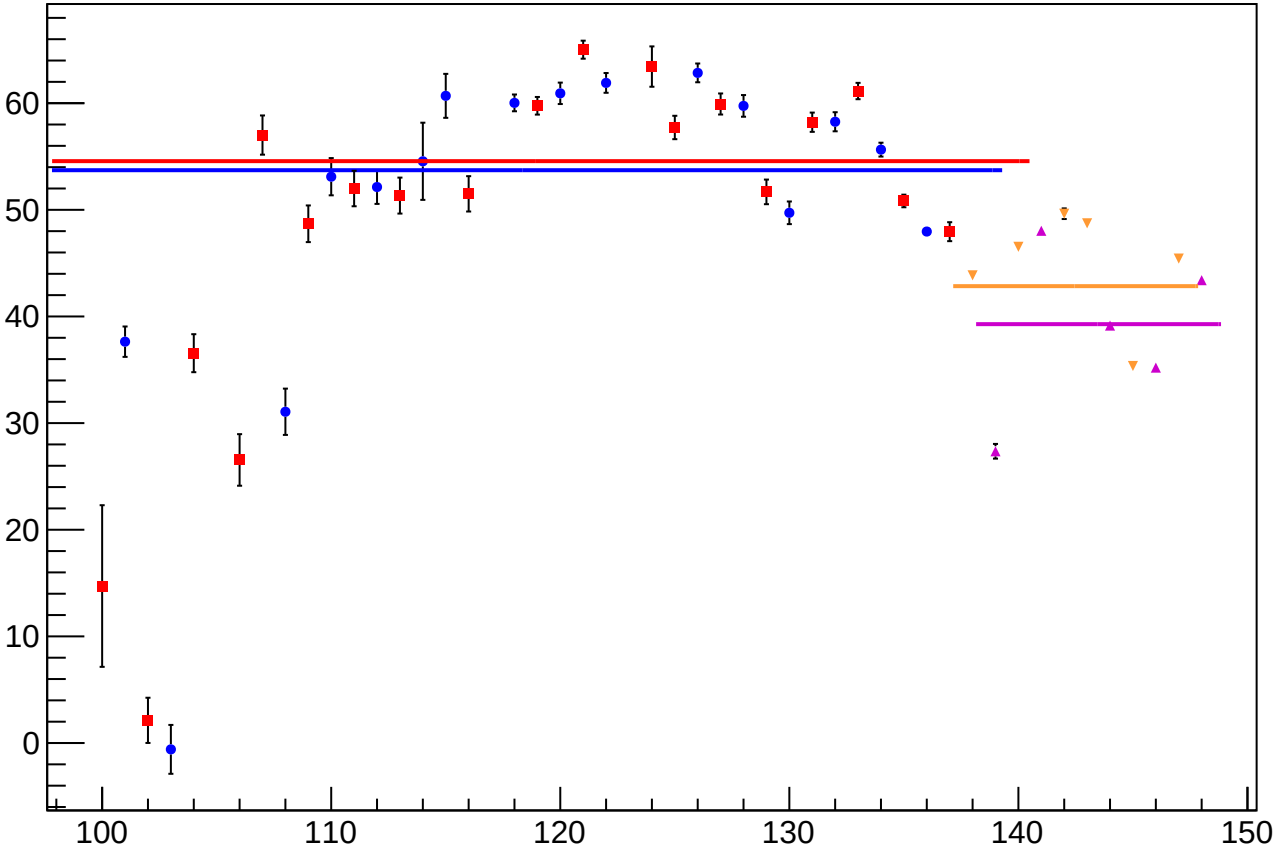
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.872+/-0.135 χ^2/NDF:8695.5/20

Out: 29.810+/-0.137 χ^2/NDF:7524.5/24

All: 28.828+/-0.096 χ^2/NDF: 16321.9/45

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.842+/-0.144 χ^2/NDF:1518.1/5

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 39.279+/-0.142 χ^2/NDF:1319.2/4

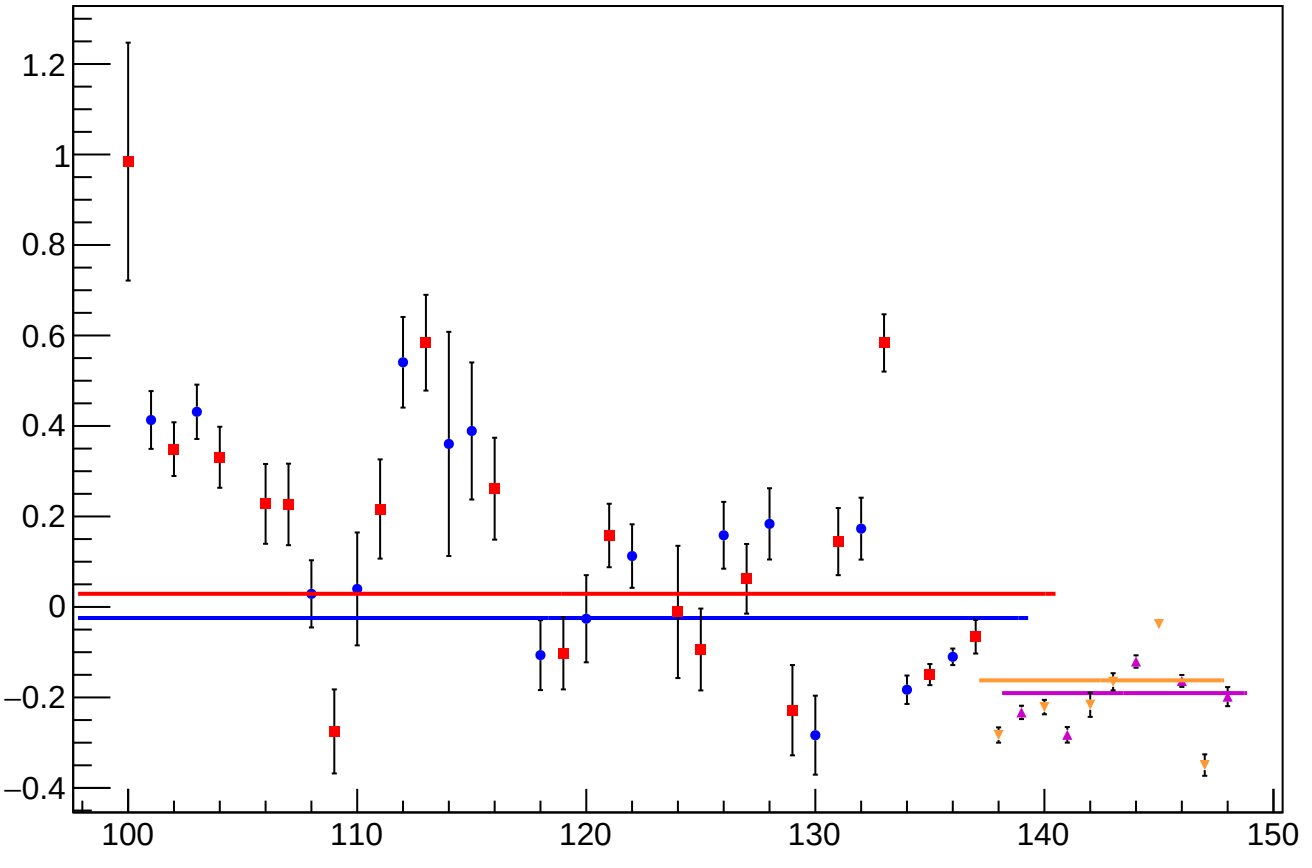
Left: 41.038+/-0.101 χ^2/NDF: 3146.5/10

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.061+/-0.122 χ^2/NDF:5374.4/20

Out: 45.663+/-0.126 χ^2/NDF:4451.5/24

All: 44.327+/-0.088 χ^2/NDF: 10046.1/45



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.162+/-0.007 χ^2/NDF:264.2/5

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.190+/-0.007 χ^2/NDF:66.9/4

Left: -0.176+/-0.005 χ^2/NDF: 339.6/10

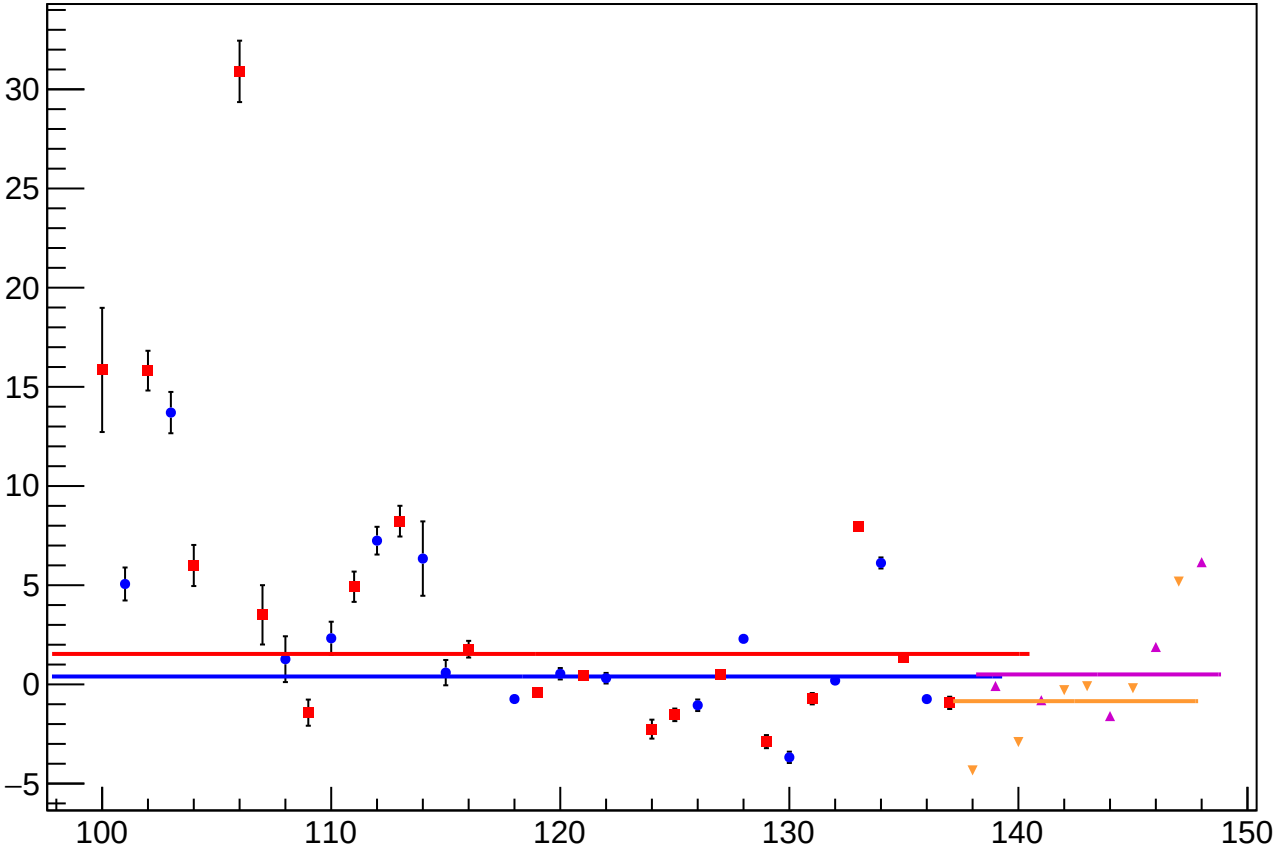
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.153+/-0.006 χ^2/NDF:427.1/20

Out: -0.127+/-0.006 χ^2/NDF:687.9/24

All: -0.140+/-0.004 χ^2/NDF: 1124.3/45

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.845+/-0.059 χ^2/NDF:1694.7/5

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.502+/-0.059 χ^2/NDF:1453.0/4

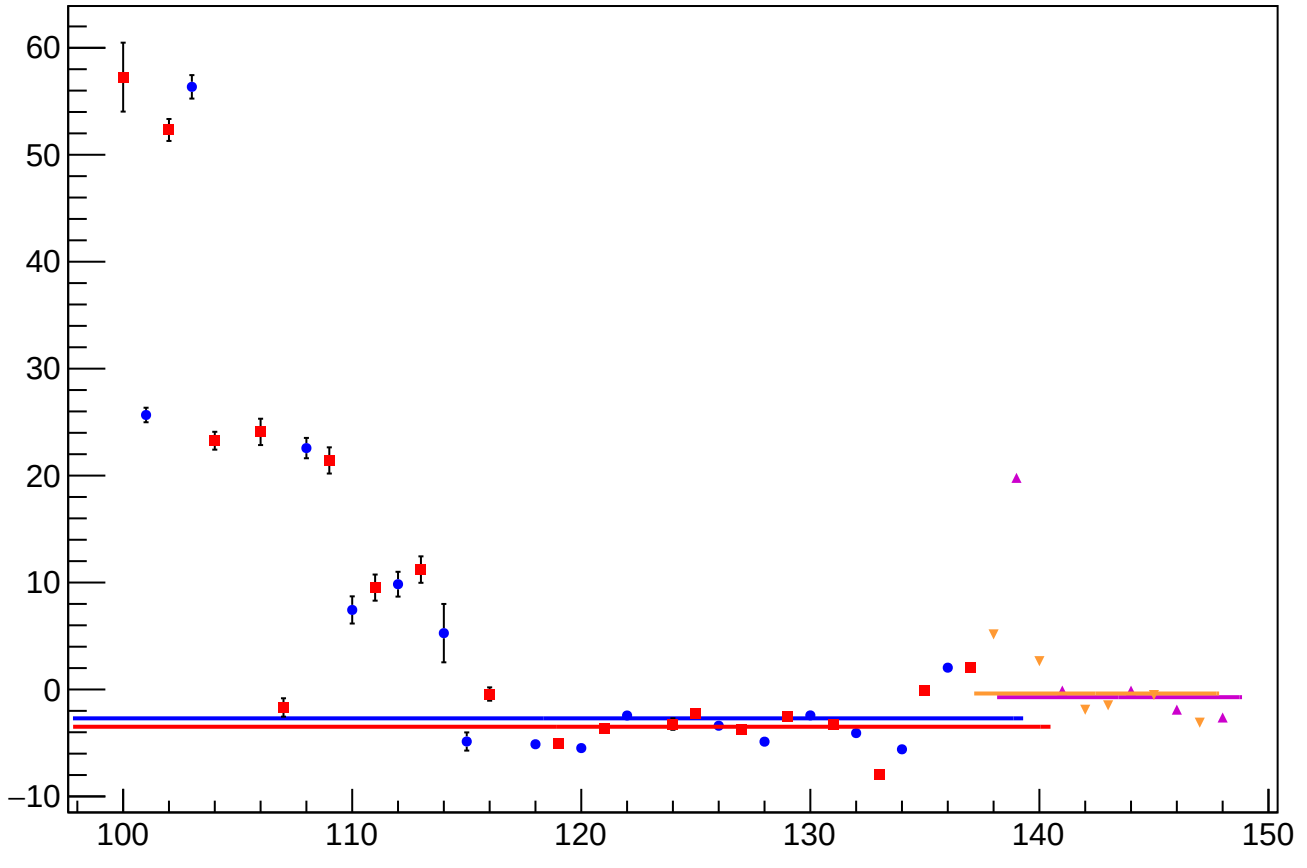
Left: -0.173+/-0.042 χ^2/NDF: 3409.0/10

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.464+/-0.047 χ^2/NDF:2551.5/20

Out: 0.016+/-0.047 χ^2/NDF:4697.7/24

All: 0.241+/-0.033 χ^2/NDF: 7294.6/45



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.376+/-0.044 χ^2/NDF:2978.3/5

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.720+/-0.042 χ^2/NDF:7286.6/4

Left: -0.557+/-0.030 χ^2/NDF: 10296.9/10

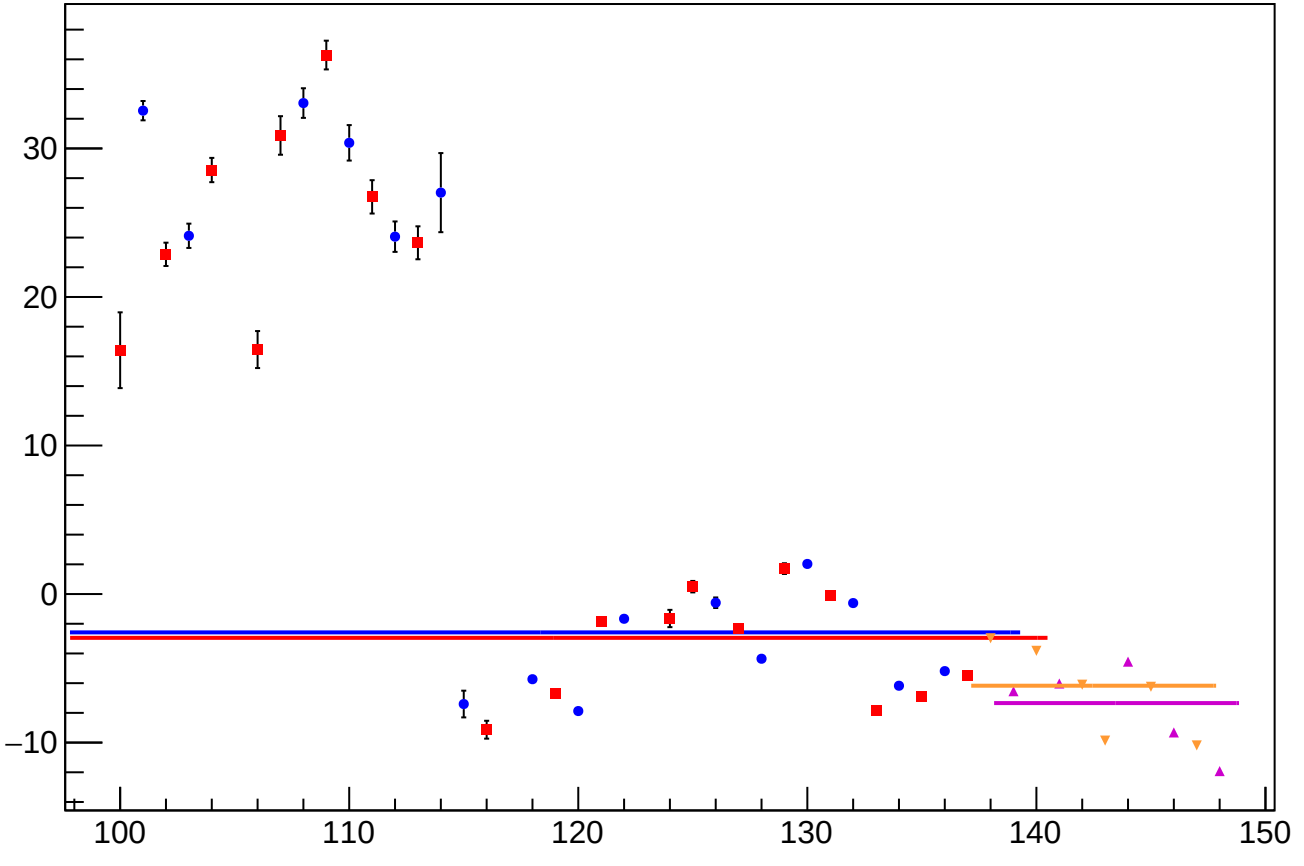
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.231+/-0.036 χ^2/NDF:14971.0/20

Out: -1.243+/-0.037 χ^2/NDF:11526.8/24

All: -1.237+/-0.026 χ^2/NDF: 26497.8/45

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.171+/-0.060 χ^2/NDF:1617.5/5

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.341+/-0.059 χ^2/NDF:1669.0/4

Left: -6.765+/-0.042 χ^2/NDF: 3479.0/10

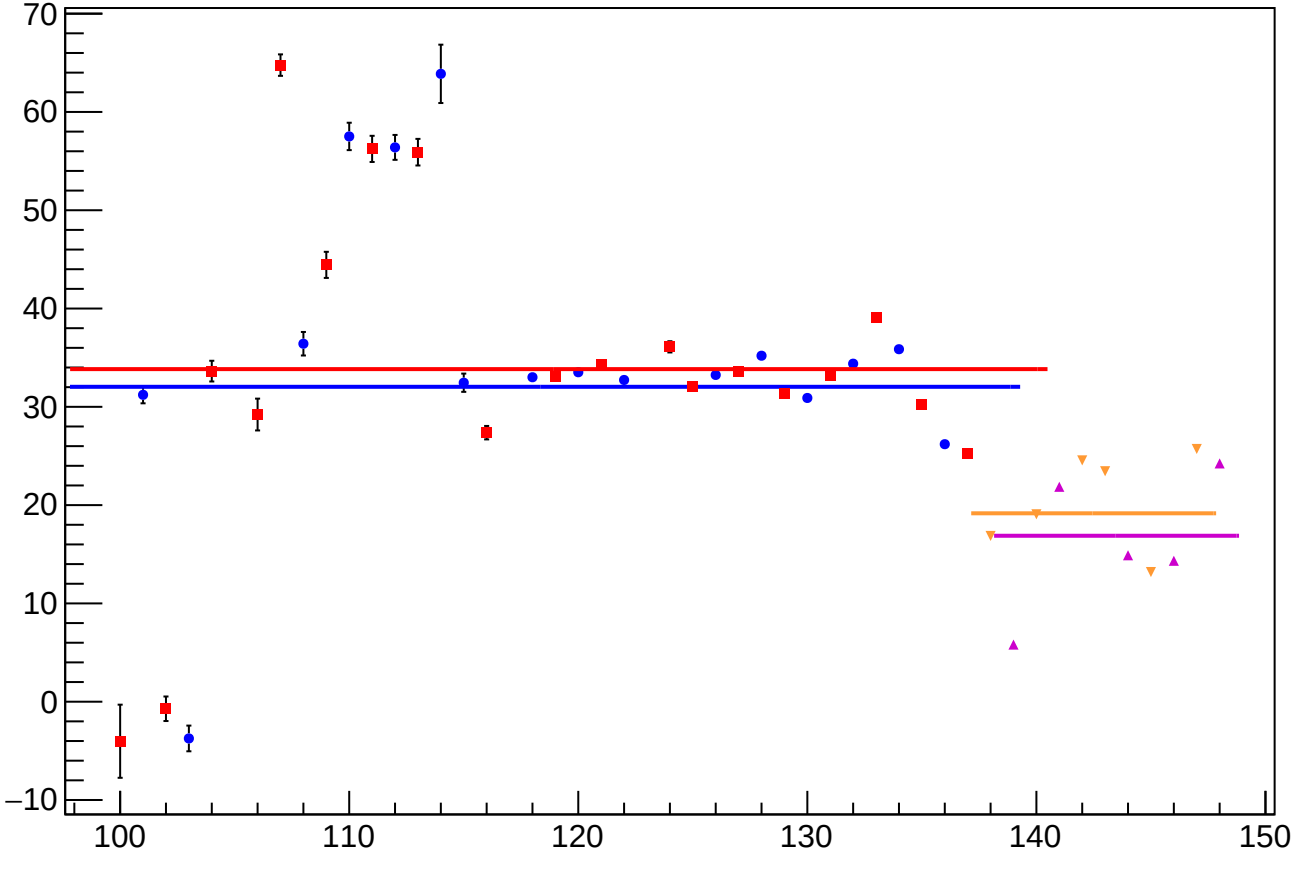
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.740+/-0.048 χ^2/NDF:12006.3/20

Out: -5.096+/-0.049 χ^2/NDF:10773.6/24

All: -5.424+/-0.034 χ^2/NDF: 22867.6/45

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 19.167+/-0.053 χ^2/NDF:8852.2/5

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 16.883+/-0.051 χ^2/NDF:8154.6/4

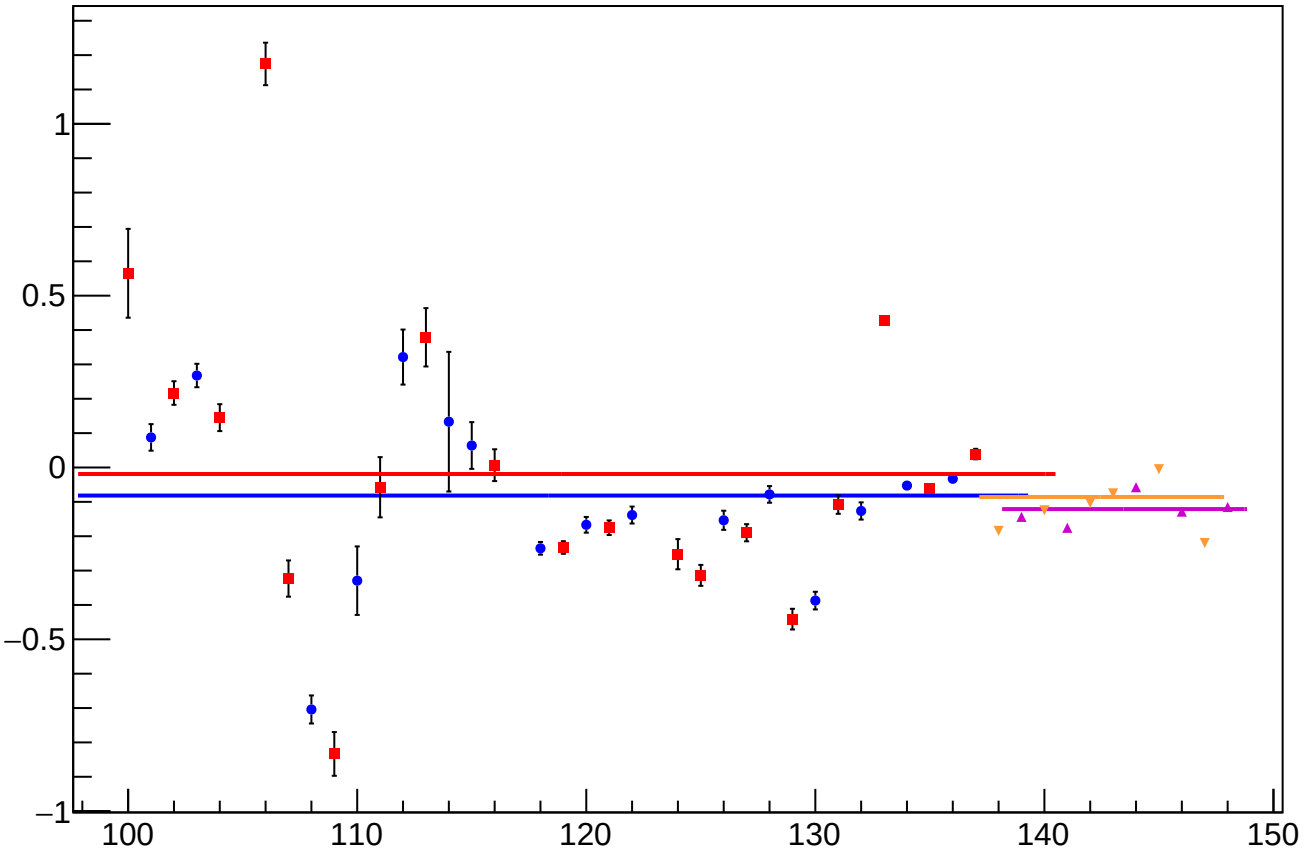
Left: 17.979+/-0.037 χ^2/NDF: 17968.7/10

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.166+/-0.043 χ^2/NDF:36346.2/20

Out: 23.530+/-0.045 χ^2/NDF:35788.9/24

All: 22.313+/-0.031 χ^2/NDF: 73587.5/45



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.086+/-0.002 χ^2/NDF:933.4/5

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.121+/-0.002 χ^2/NDF:261.2/4

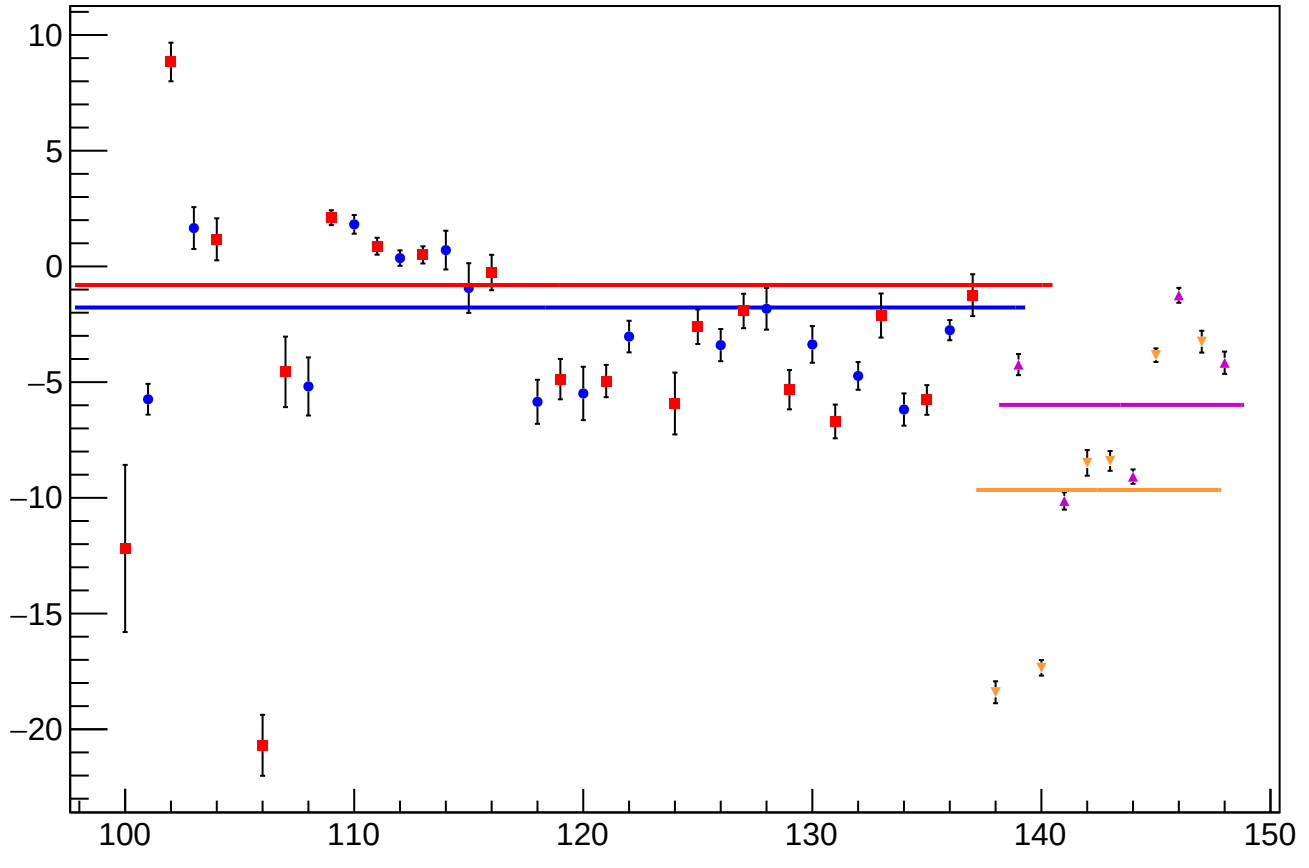
Left: -0.104+/-0.002 χ^2/NDF: 1296.7/10

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.113+/-0.002 χ^2/NDF:1003.3/20

Out: -0.073+/-0.002 χ^2/NDF:3341.4/24

All: -0.094+/-0.002 χ^2/NDF: 4504.9/45



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.659+/-0.162 χ^2/NDF:1455.9/5

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -5.983+/-0.166 χ^2/NDF:466.7/4

Left: -7.869+/-0.116 χ^2/NDF: 2173.7/10

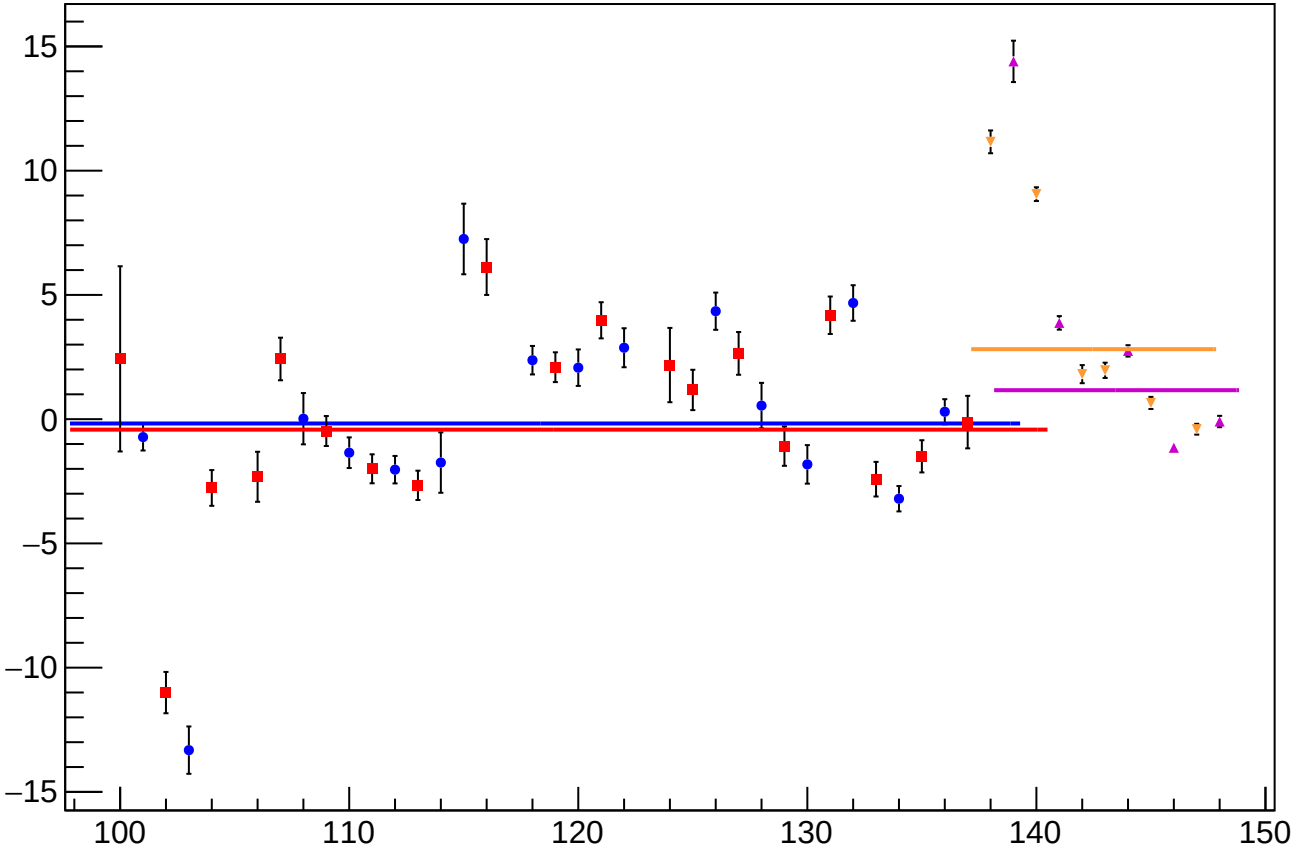
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.762+/-0.114 χ^2/NDF:1103.0/20

Out: -4.846+/-0.109 χ^2/NDF:3817.0/24

All: -4.327+/-0.079 χ^2/NDF: 4967.1/45

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.817+/-0.116 χ^2/NDF:1152.0/5

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.166+/-0.112 χ^2/NDF:571.2/4

Left: 1.961+/-0.081 χ^2/NDF: 1827.6/10

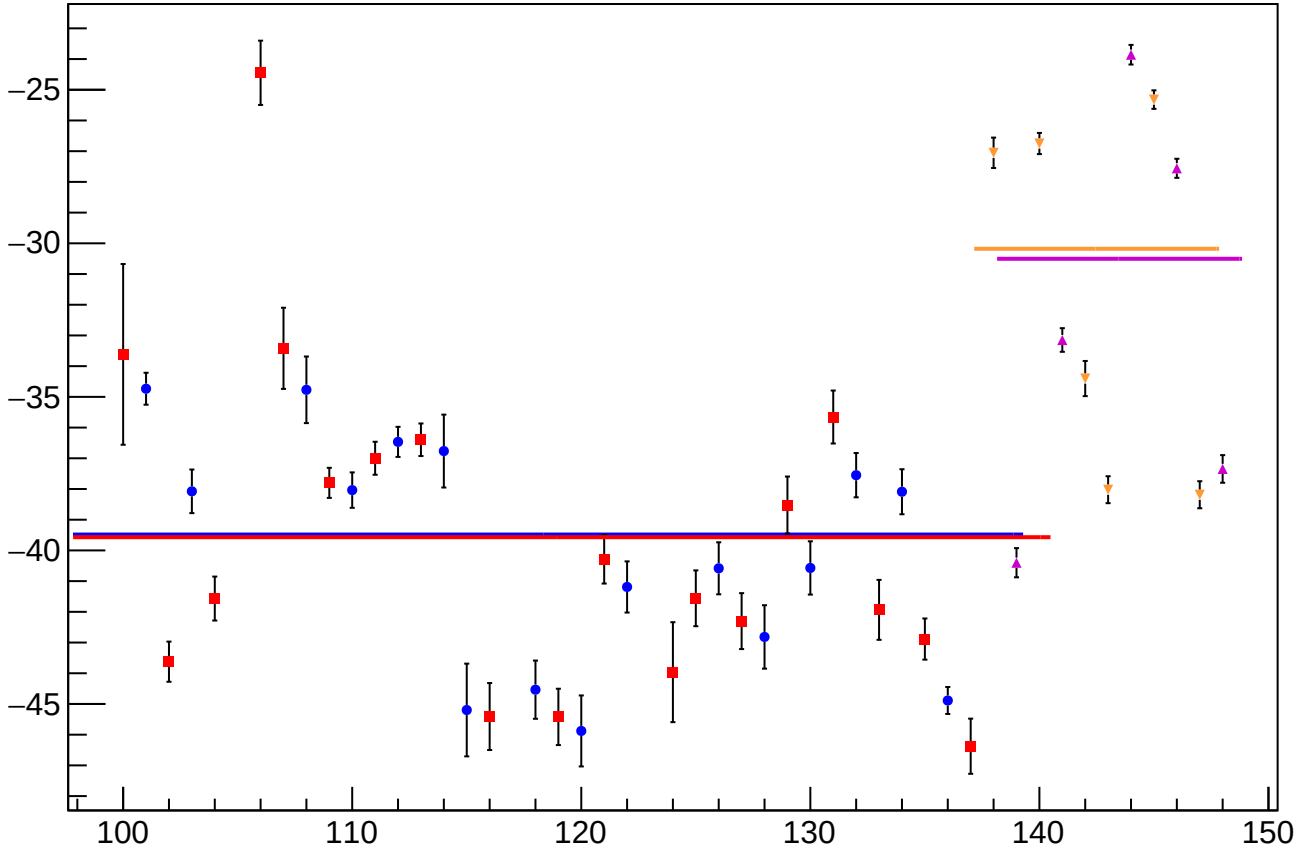
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.770+/-0.094 χ^2/NDF:1016.6/20

Out: 1.842+/-0.097 χ^2/NDF:1751.7/24

All: 1.288+/-0.068 χ^2/NDF: 2831.1/45

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: -30.178+/-0.165 χ^2/NDF:1103.7/5

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -30.503+/-0.166 χ^2/NDF:1233.6/4

Left: -30.339+/-0.117 χ^2/NDF: 2339.3/10

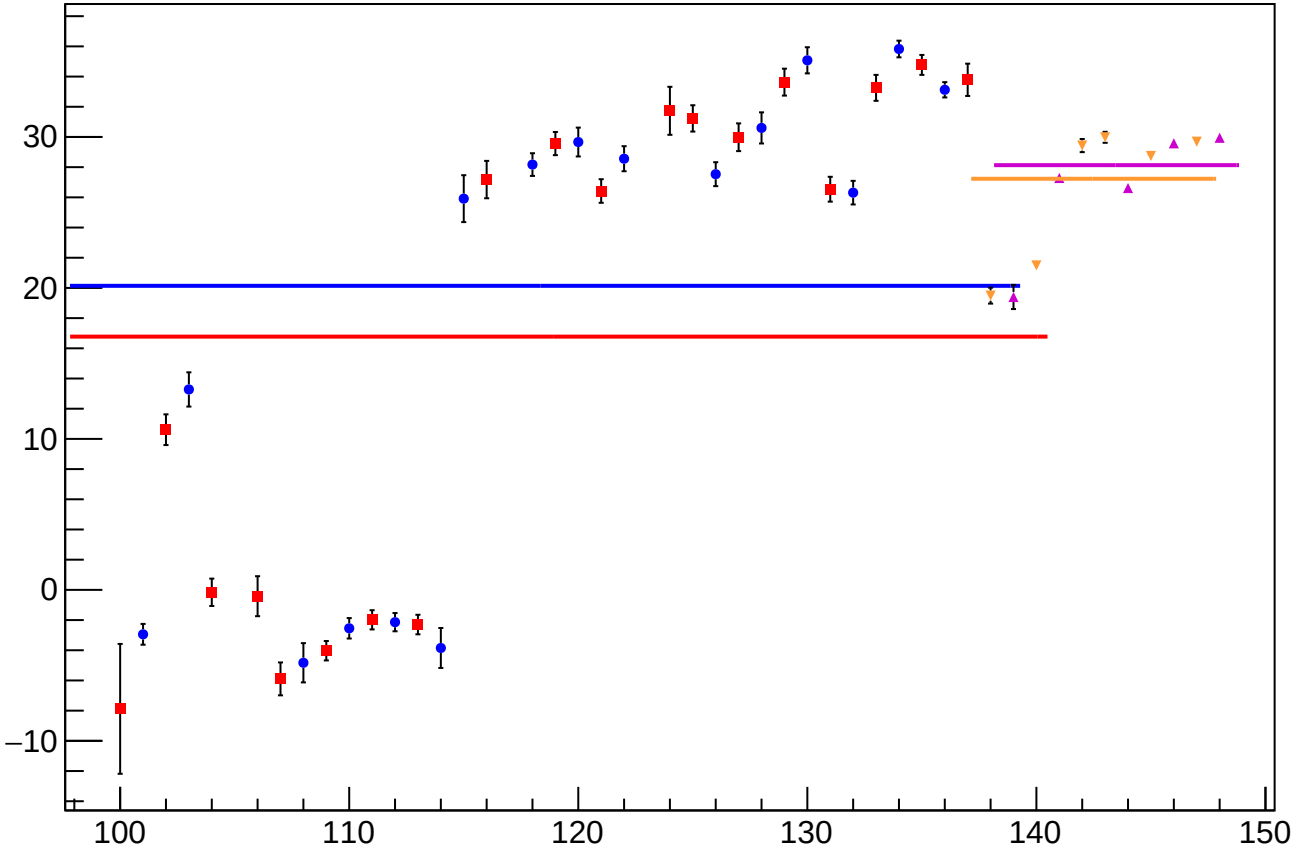
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.627+/-0.122 χ^2/NDF:2985.6/20

Out: -34.430+/-0.122 χ^2/NDF:3130.9/24

All: -34.528+/-0.086 χ^2/NDF: 6117.8/45

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: 27.231+/-0.142 χ^2/NDF:691.9/5

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.133+/-0.139 χ^2/NDF:226.4/4

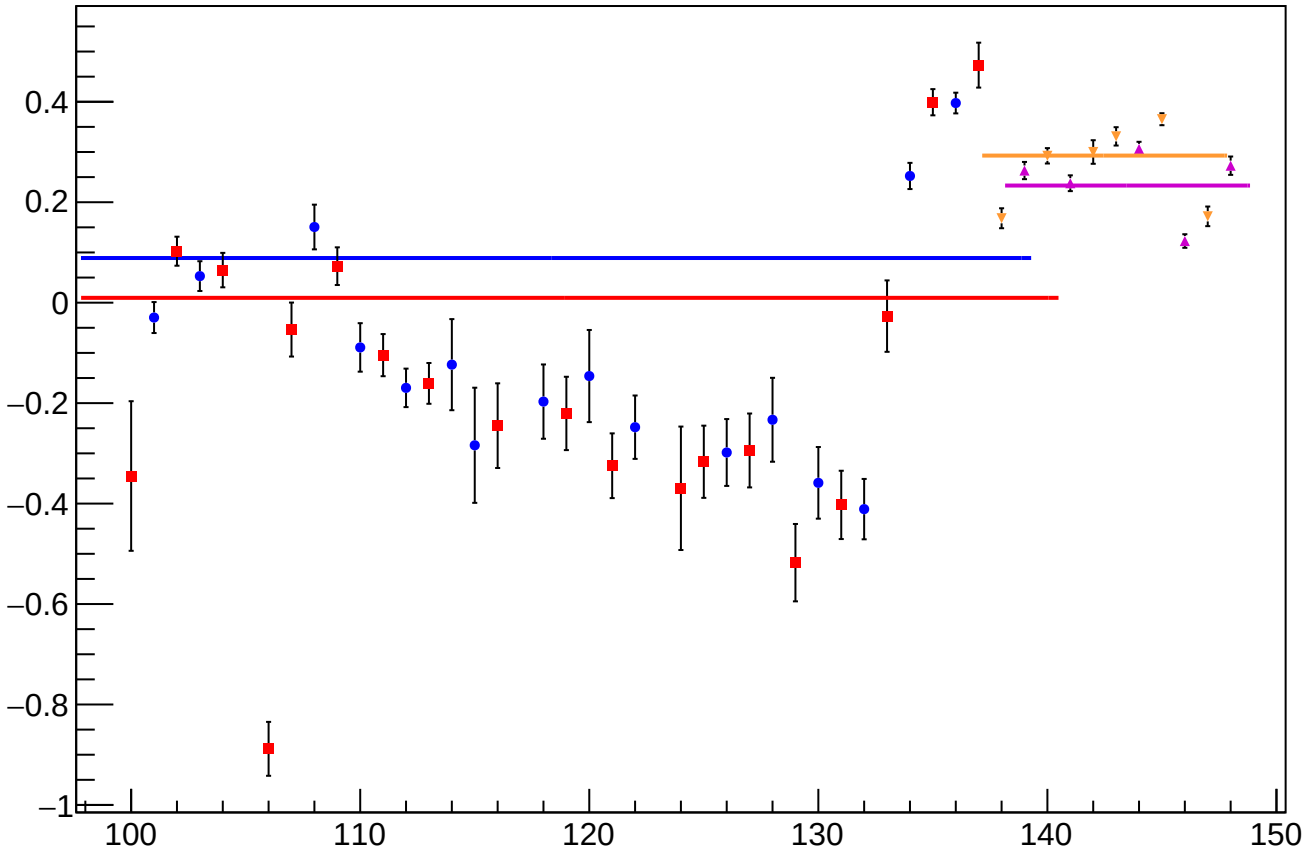
Left: 27.692+/-0.099 χ^2/NDF: 938.9/10

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.440+/-0.113 χ^2/NDF:8028.4/20

Out: 23.722+/-0.116 χ^2/NDF:9252.4/24

All: 24.601+/-0.081 χ^2/NDF: 17393.5/45



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.293+/-0.007 χ^2/NDF:119.1/5

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.233+/-0.007 χ^2/NDF:101.2/4

Left: 0.263+/-0.005 χ^2/NDF: 257.8/10

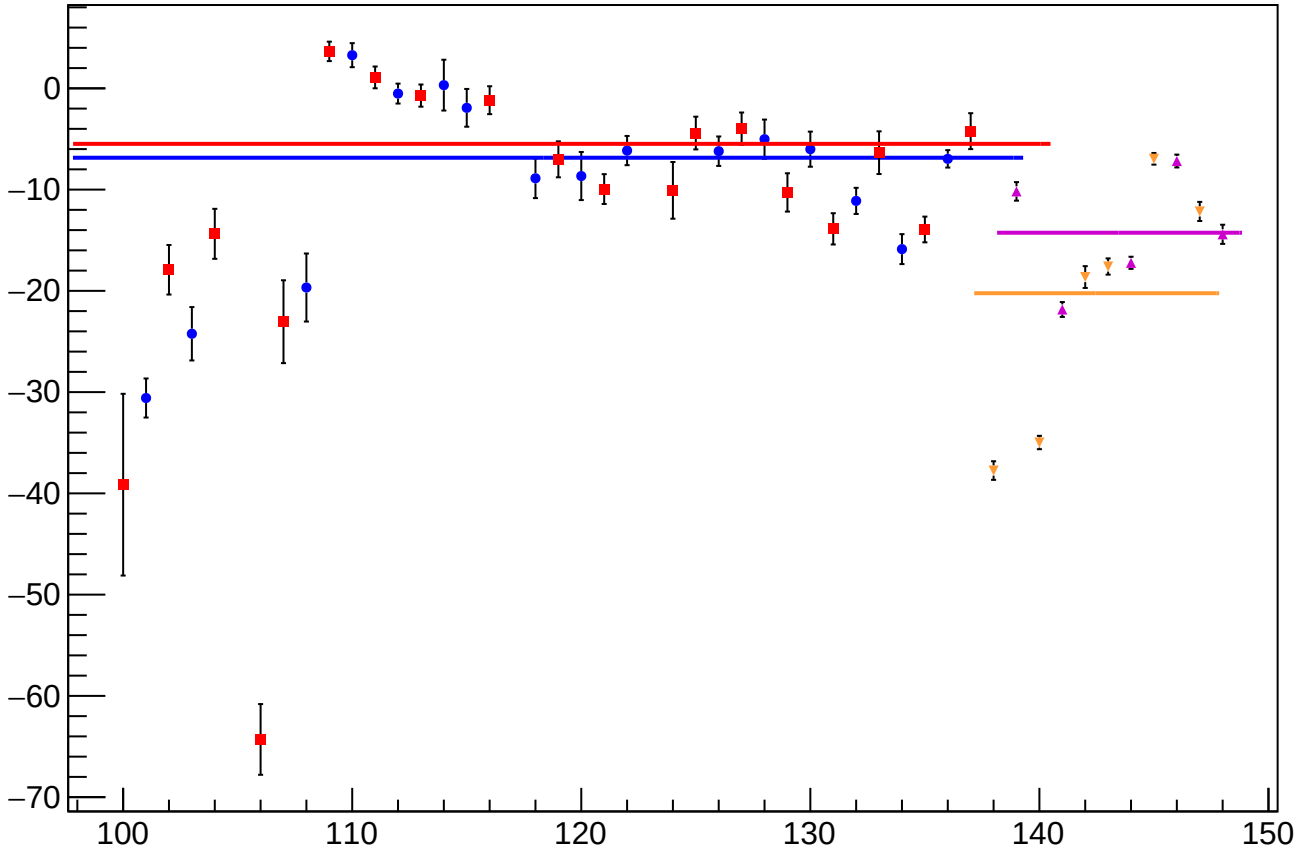
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.189+/-0.006 χ^2/NDF:798.4/20

Out: 0.214+/-0.006 χ^2/NDF:1430.1/24

All: 0.201+/-0.004 χ^2/NDF: 2237.6/45

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -20.232+/-0.316 χ^2/NDF:1478.1/5

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.260+/-0.326 χ^2/NDF:275.2/4

Left: -17.340+/-0.227 χ^2/NDF: 1926.6/10

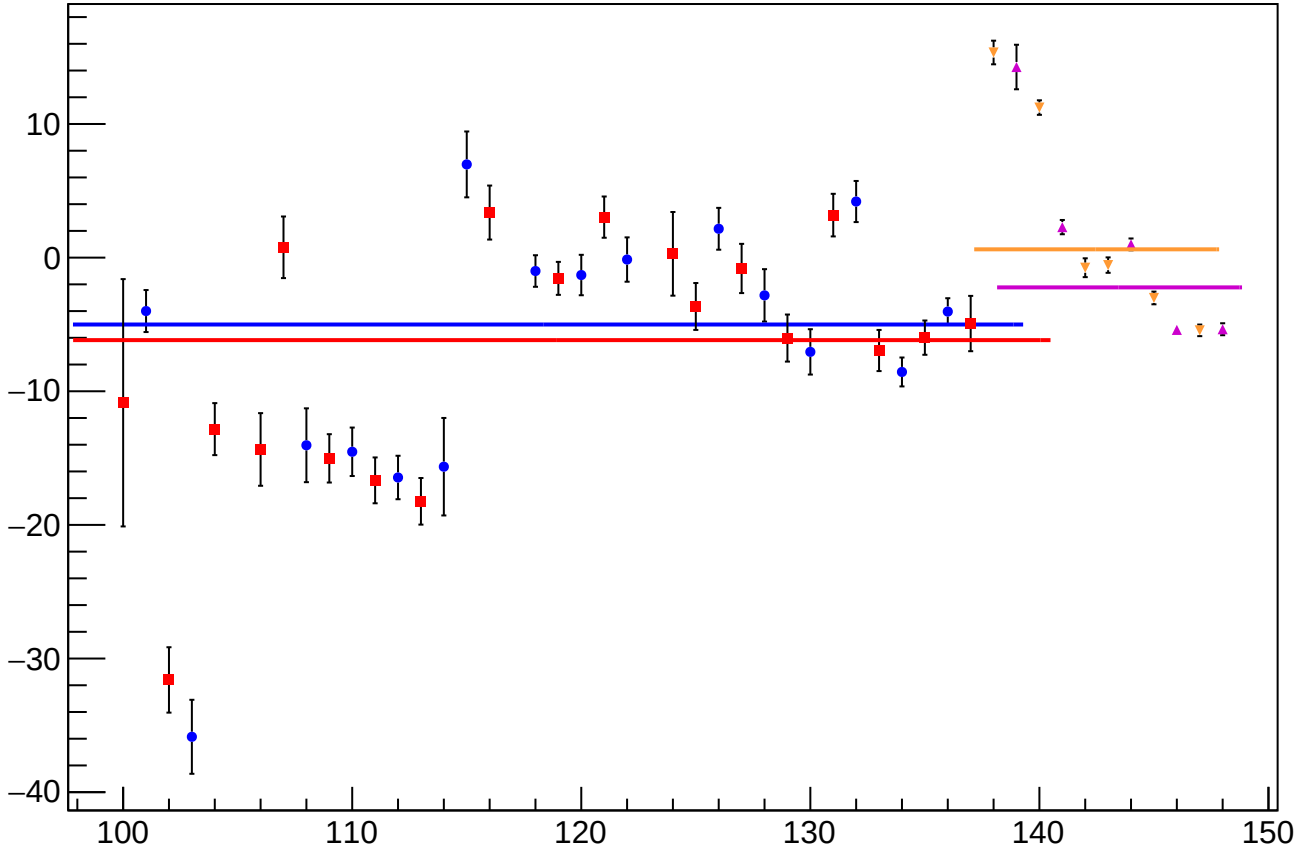
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -11.078+/-0.246 χ^2/NDF:887.2/20

Out: -13.997+/-0.240 χ^2/NDF:3007.0/24

All: -12.575+/-0.172 χ^2/NDF: 3966.3/45

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 0.621+/-0.227 χ^2/NDF:918.7/5

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.227+/-0.218 χ^2/NDF:342.6/4

Left: -0.861+/-0.157 χ^2/NDF: 1343.2/10

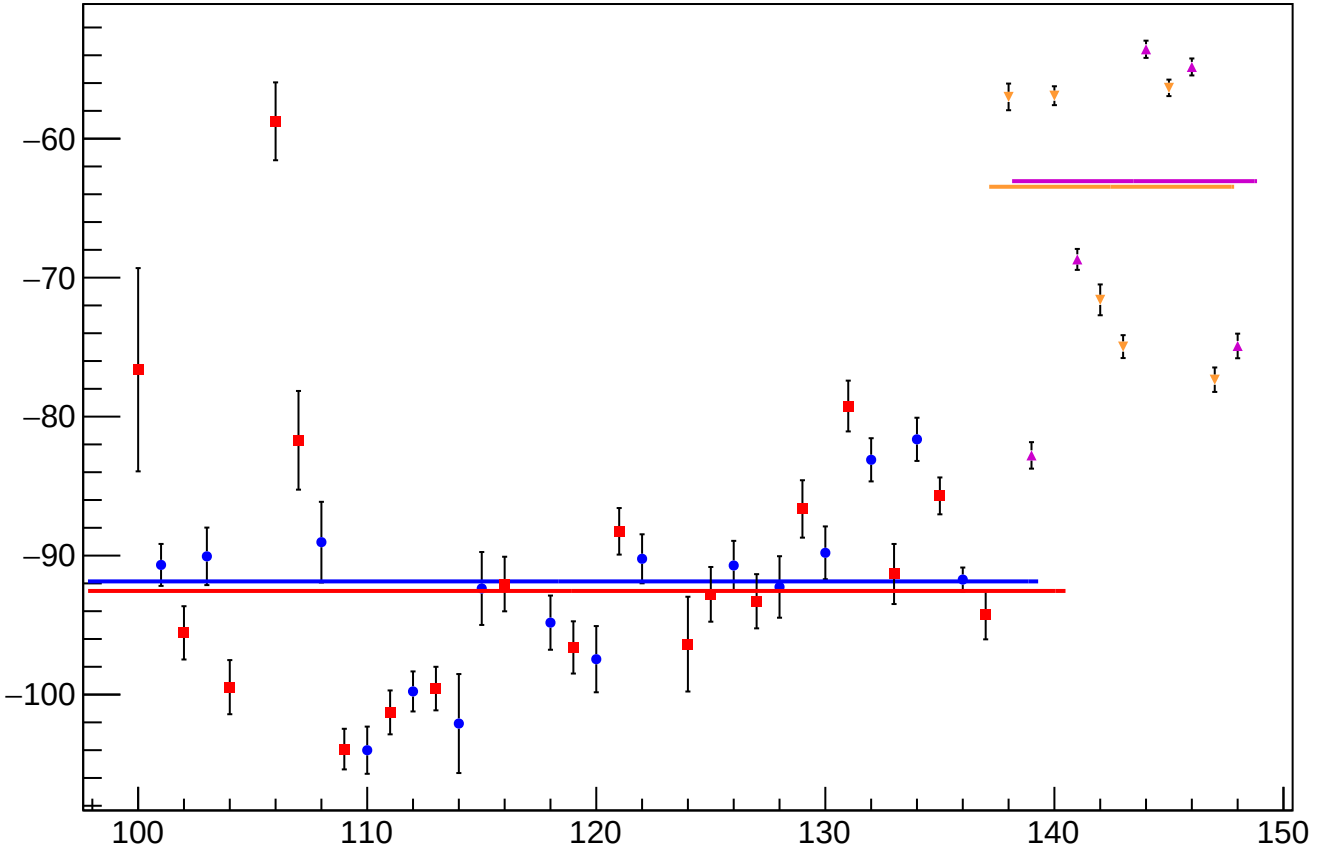
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.875+/-0.191 χ^2/NDF:722.2/20

Out: -0.935+/-0.199 χ^2/NDF:1493.0/24

All: -1.947+/-0.138 χ^2/NDF: 2264.6/45

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -63.460+/-0.321 χ^2/NDF:780.1/5

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -63.058+/-0.326 χ^2/NDF:1079.8/4

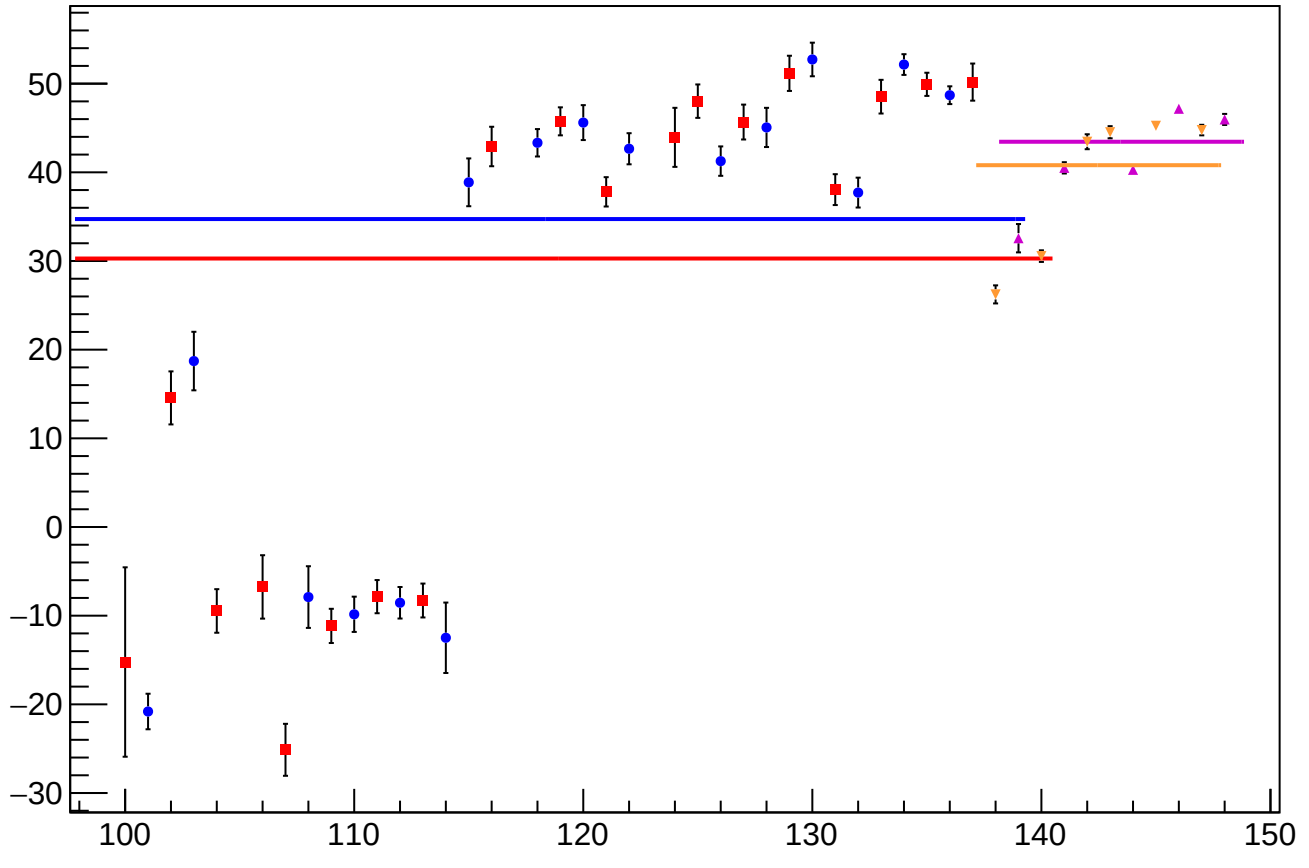
Left: -63.262+/-0.229 χ^2/NDF: 1860.6/10

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.745+/-0.258 χ^2/NDF:4157.8/20

Out: -73.605+/-0.259 χ^2/NDF:4022.7/24

All: -73.675+/-0.183 χ^2/NDF: 8180.7/45



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.803+/-0.277 χ^2/NDF:599.7/5

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.447+/-0.271 χ^2/NDF:183.4/4

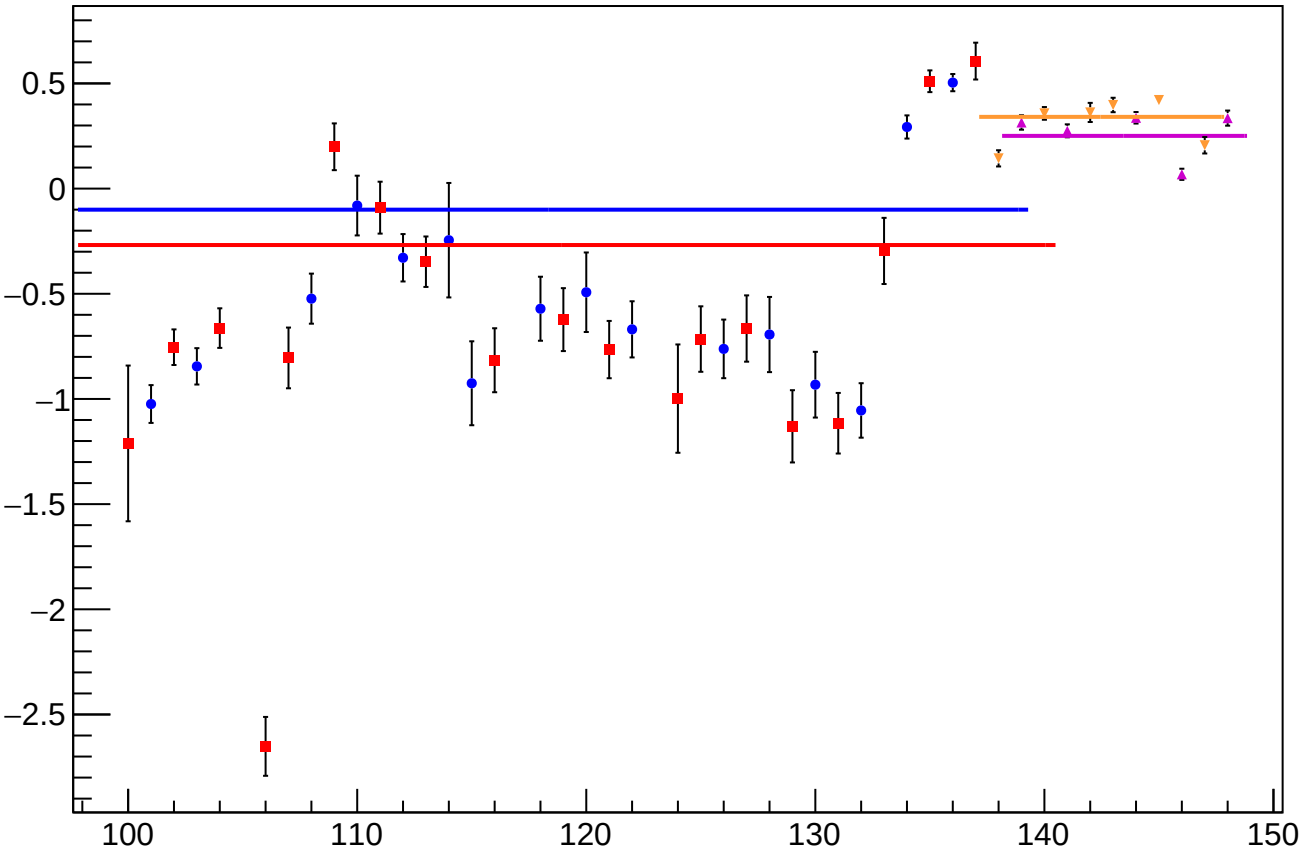
Left: 42.155+/-0.194 χ^2/NDF: 829.7/10

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.068+/-0.231 χ^2/NDF:3275.5/20

Out: 38.066+/-0.238 χ^2/NDF:3886.5/24

All: 39.614+/-0.166 χ^2/NDF: 7243.9/45



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.341+/-0.013 χ^2/NDF:52.9/5

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.251+/-0.014 χ^2/NDF:66.8/4

Left: 0.296+/-0.010 χ^2/NDF: 142.2/10

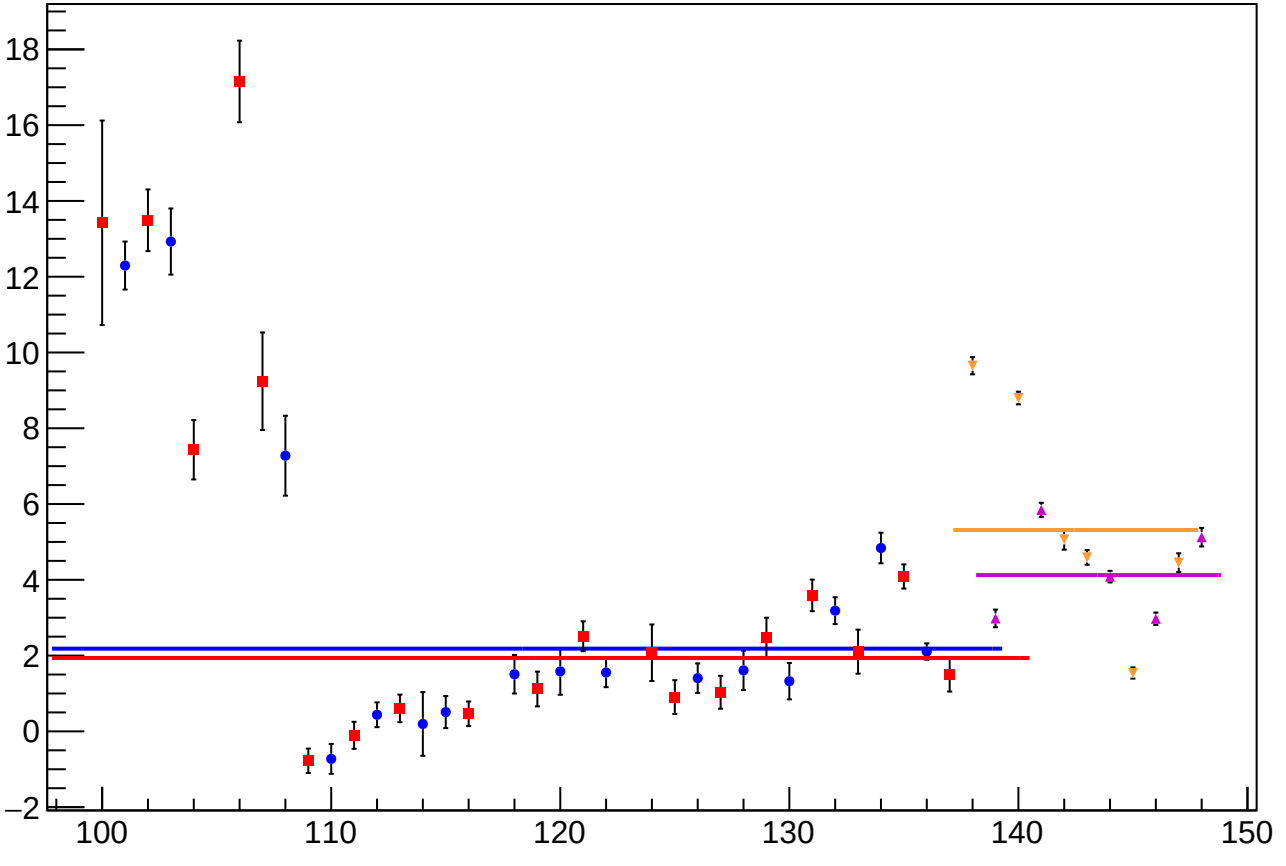
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.166+/-0.012 χ^2/NDF:859.9/20

Out: 0.216+/-0.012 χ^2/NDF:1300.3/24

All: 0.190+/-0.008 χ^2/NDF: 2169.0/45

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.315+/-0.080 χ^2/NDF:1465.8/5

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.125+/-0.083 χ^2/NDF:175.7/4

Left: 4.745+/-0.058 χ^2/NDF: 1747.8/10

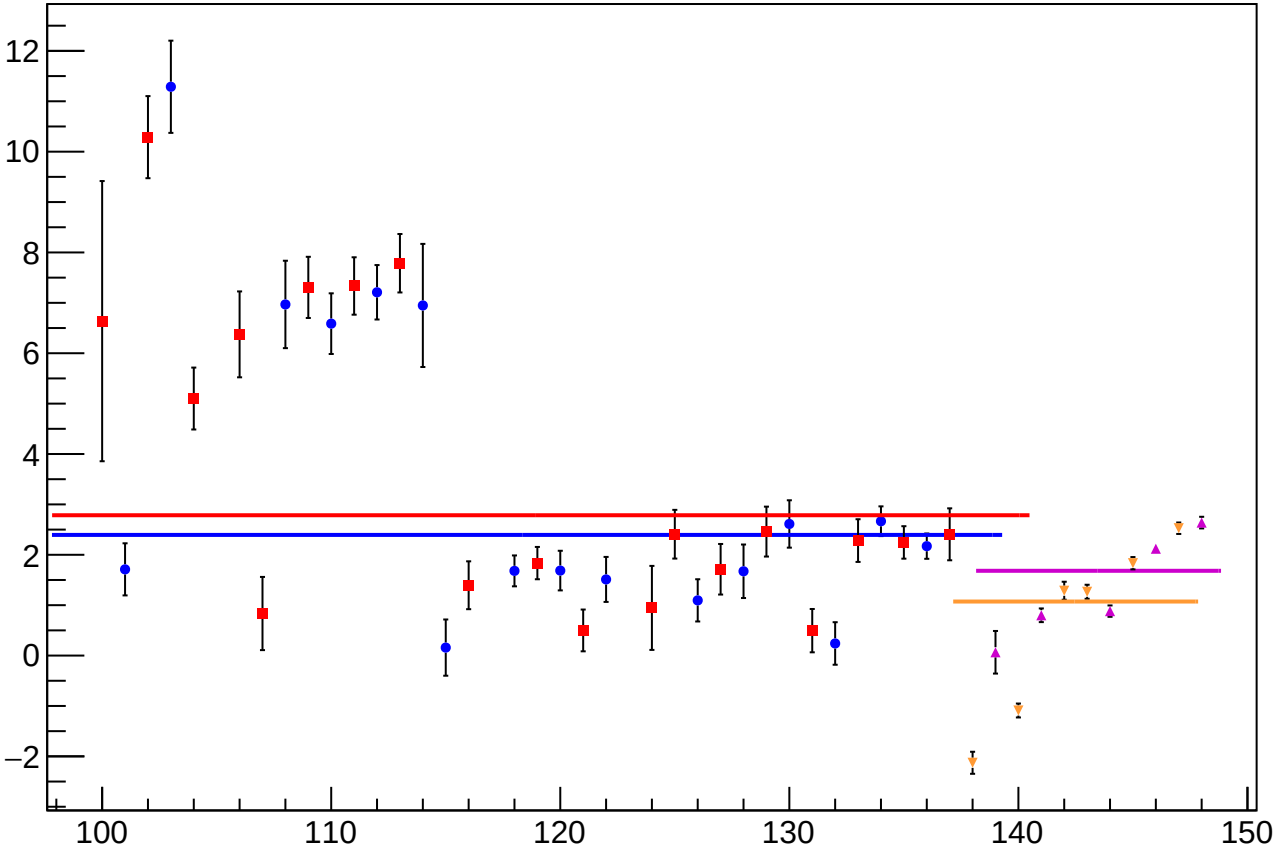
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.375+/-0.065 χ^2/NDF:984.8/20

Out: 4.083+/-0.064 χ^2/NDF:2834.8/24

All: 3.737+/-0.046 χ^2/NDF: 3879.9/45

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.072+/-0.058 χ^2/NDF:664.7/5

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.682+/-0.056 χ^2/NDF:197.1/4

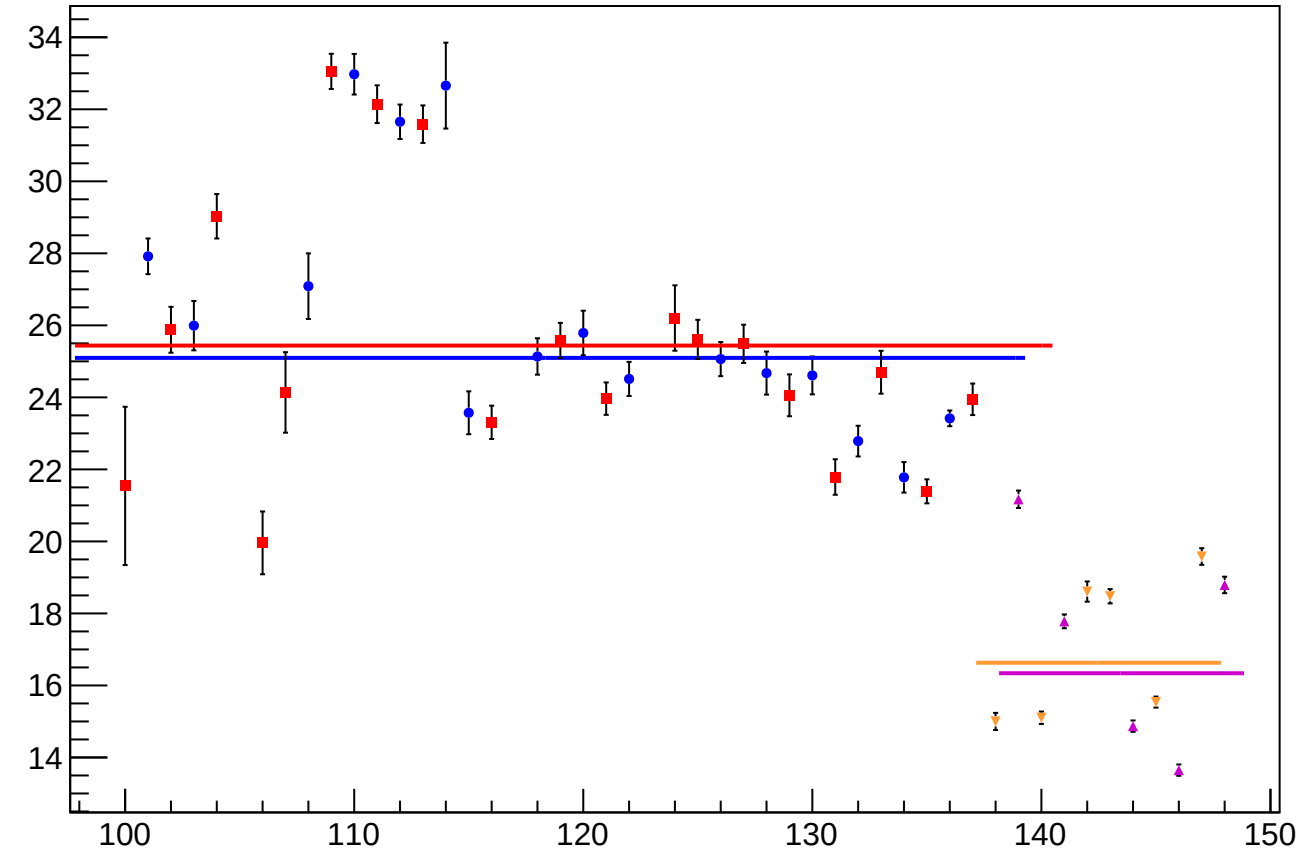
Left: 1.389+/-0.040 χ^2/NDF: 919.9/10

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.830+/-0.049 χ^2/NDF:565.2/20

Out: 1.413+/-0.052 χ^2/NDF:1250.6/24

All: 1.631+/-0.036 χ^2/NDF: 1850.1/45



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.630+/-0.081 χ^2/NDF:475.1/5

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.339+/-0.083 χ^2/NDF:948.9/4

Left: 16.488+/-0.058 χ^2/NDF: 1430.2/10

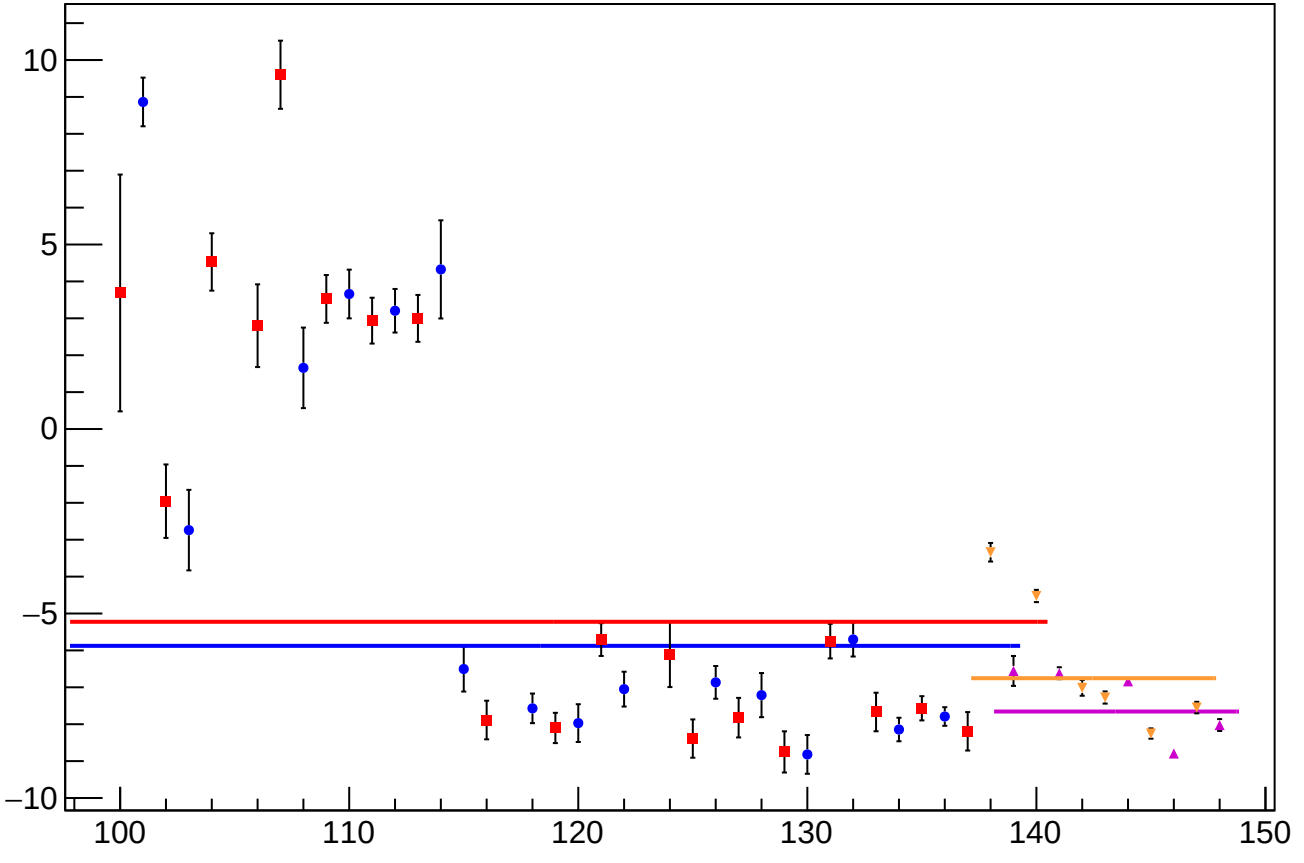
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.266+/-0.068 χ^2/NDF:5267.6/20

Out: 19.285+/-0.068 χ^2/NDF:4876.2/24

All: 19.275+/-0.048 χ^2/NDF: 10143.8/45

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.754+/-0.070 χ^2/NDF:515.2/5

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.656+/-0.069 χ^2/NDF:182.2/4

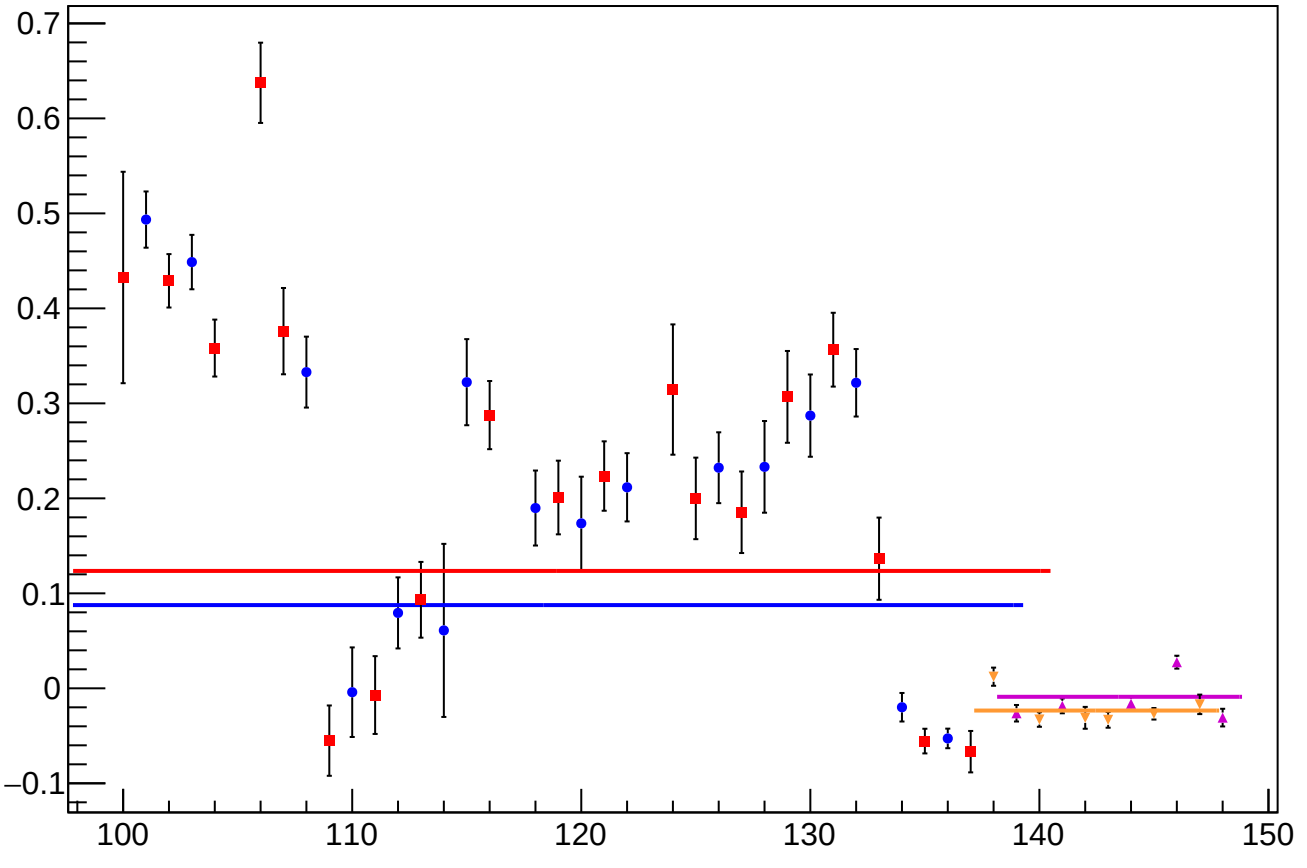
Left: -7.213+/-0.049 χ^2/NDF: 781.4/10

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.217+/-0.060 χ^2/NDF:1597.6/20

Out: -6.406+/-0.062 χ^2/NDF:1914.9/24

All: -6.824+/-0.043 χ^2/NDF: 3601.4/45



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.023+/-0.003 χ^2/NDF:18.0/5

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.009+/-0.003 χ^2/NDF:40.8/4

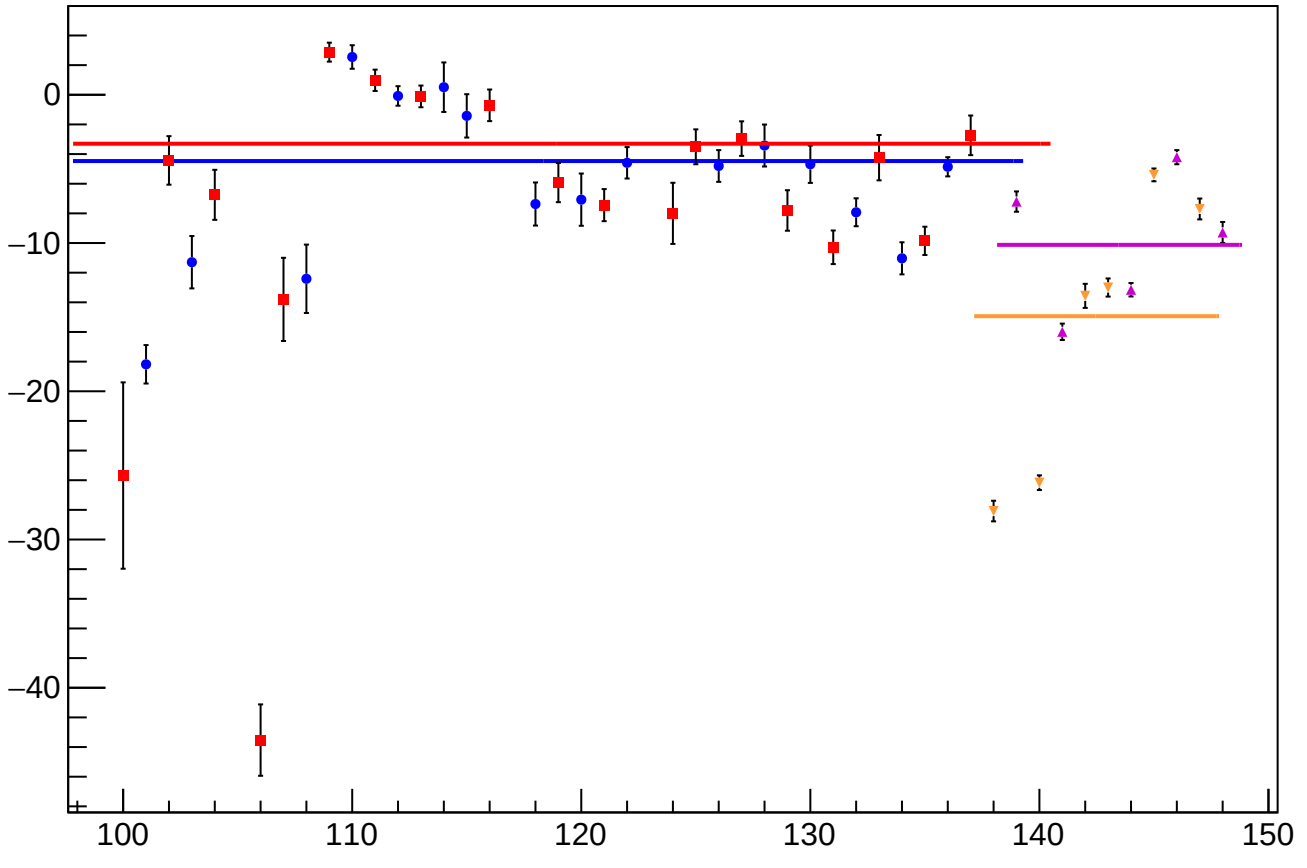
Left: -0.016+/-0.002 χ^2/NDF: 67.6/10

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.012+/-0.003 χ^2/NDF:976.7/20

Out: 0.003+/-0.003 χ^2/NDF:1111.2/24

All: 0.007+/-0.002 χ^2/NDF: 2092.6/45



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.934+/-0.238 χ^2/NDF:1473.9/5

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.124+/-0.245 χ^2/NDF:331.1/4

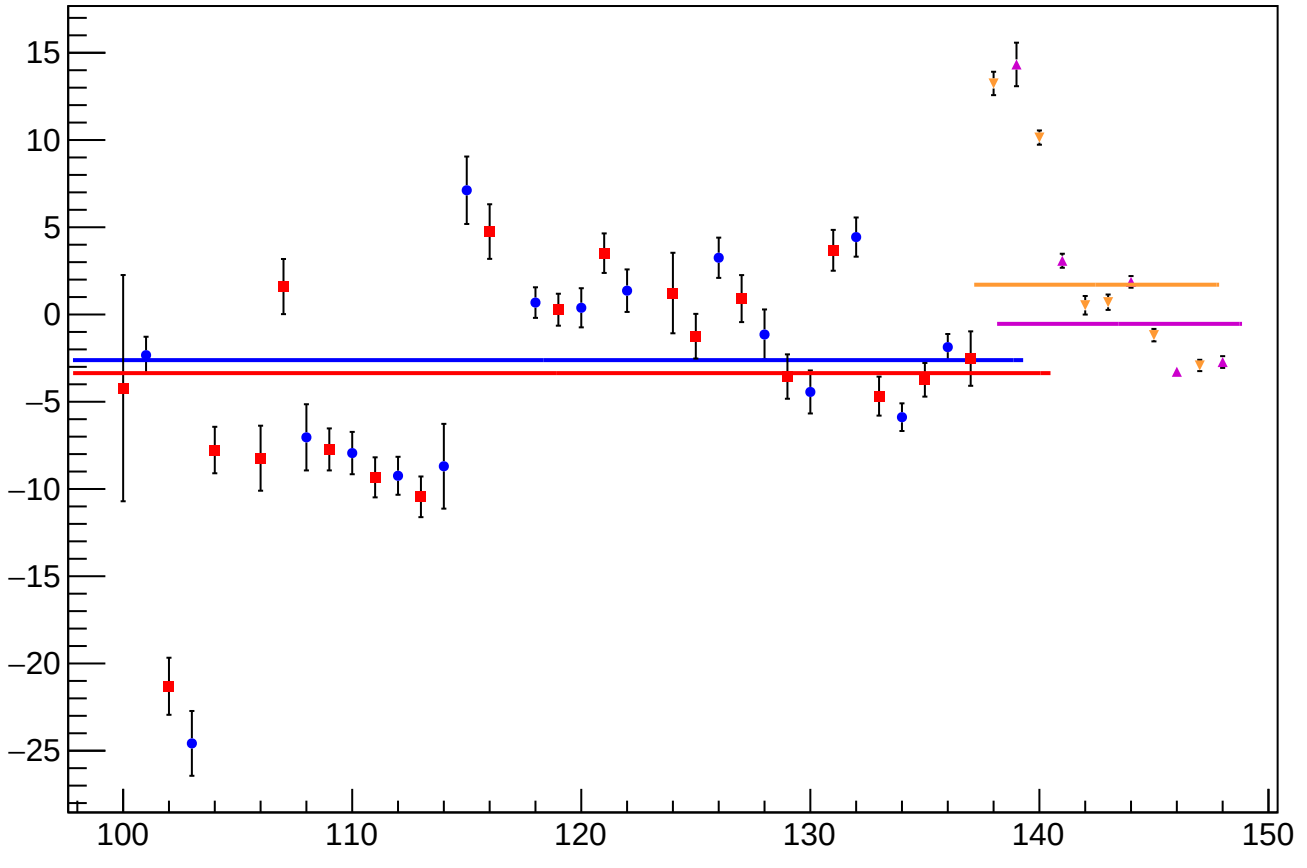
Left: -12.600+/-0.171 χ^2/NDF: 2003.4/10

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -7.556+/-0.181 χ^2/NDF:904.9/20

Out: -9.654+/-0.176 χ^2/NDF:3144.6/24

All: -8.635+/-0.126 χ^2/NDF: 4118.6/45



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.708+/-0.171 χ^2/NDF:1000.9/5

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.536+/-0.164 χ^2/NDF:410.9/4

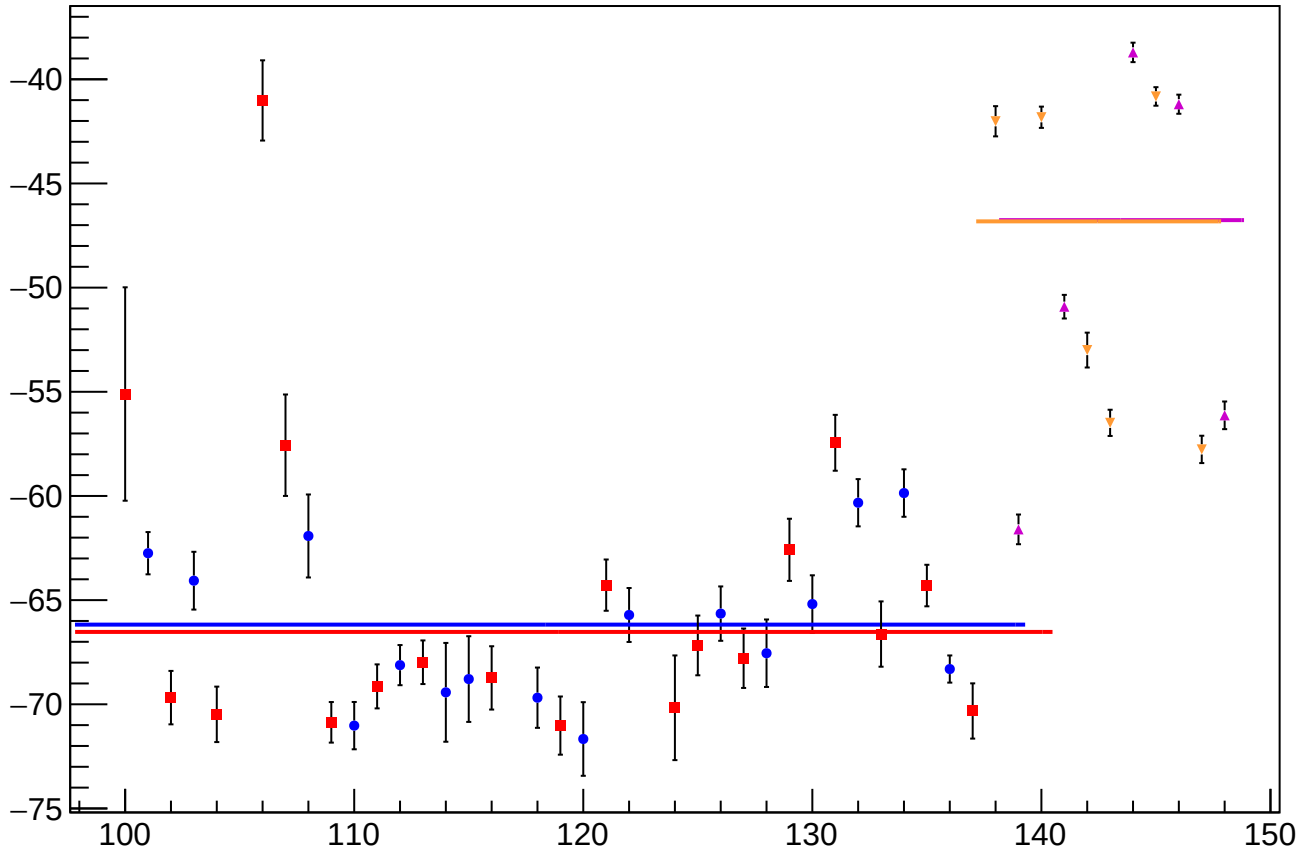
Left: 0.542+/-0.118 χ^2/NDF: 1501.4/10

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

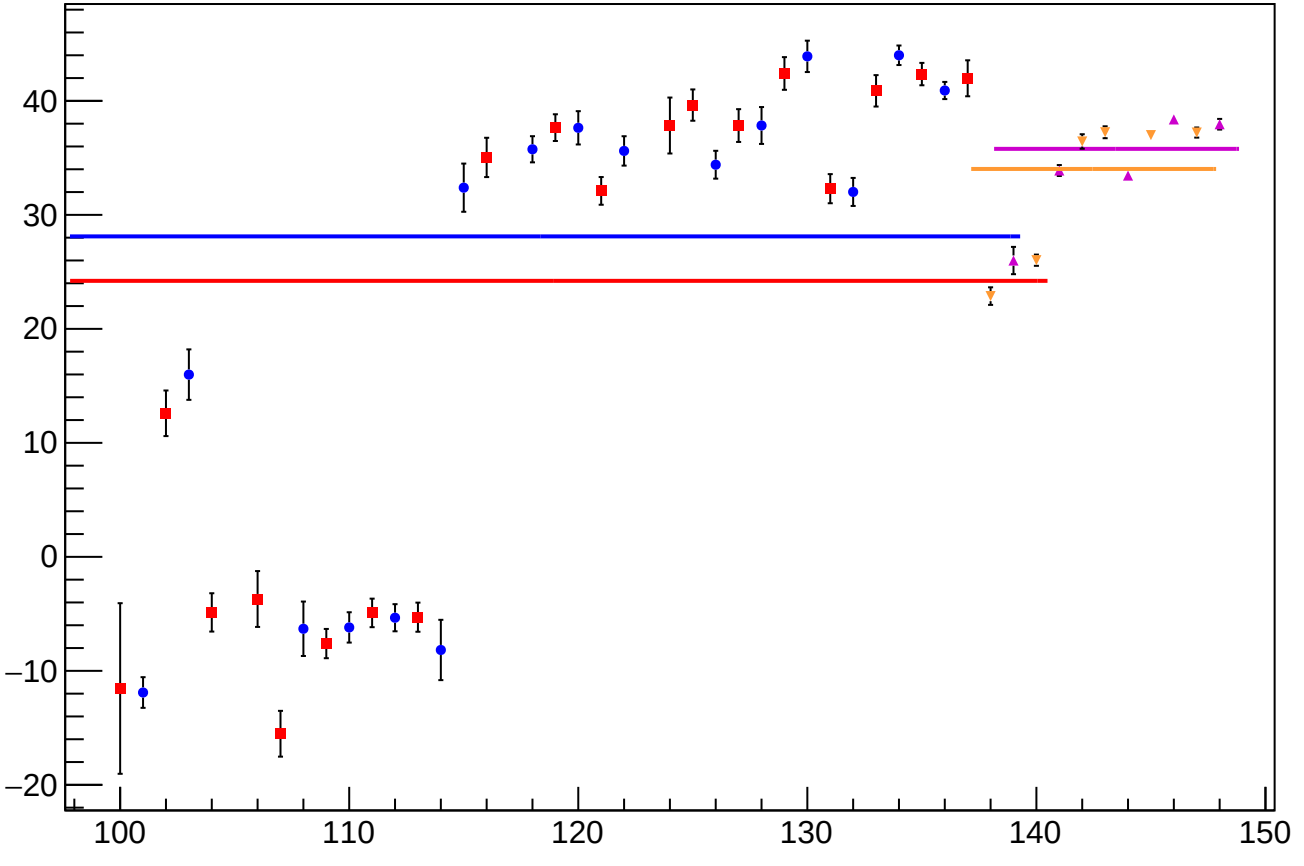
In: -1.052+/-0.142 χ^2/NDF:802.6/20

Out: 0.459+/-0.148 χ^2/NDF:1577.2/24

All: -0.327+/-0.103 χ^2/NDF: 2433.9/45


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−45
−50
−55
−60
−65
−70
−75
100
110
120
130
140
150
Right In: -66.176+/-0.304 χ²/NDF: 129.2/15
Left Out: -46.820+/-0.242 χ²/NDF:890.3/5
Right Out: -66.526+/-0.312 χ²/NDF: 321.7/18
Left In: -46.760+/-0.245 χ²/NDF:1130.8/4
Left: -46.790+/-0.172 χ²/NDF: 2021.2/10
Right: -66.346+/-0.218 χ²/NDF: 451.5/34
In: -54.387+/-0.191 χ²/NDF:3731.6/20
Out: -54.209+/-0.191 χ²/NDF:3697.9/24
All: -54.298+/-0.135 χ²/NDF: 7429.9/45

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.028+/-0.209 χ^2/NDF:630.0/5

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.791+/-0.204 χ^2/NDF:192.7/4

Left: 34.930+/-0.146 χ^2/NDF: 859.3/10

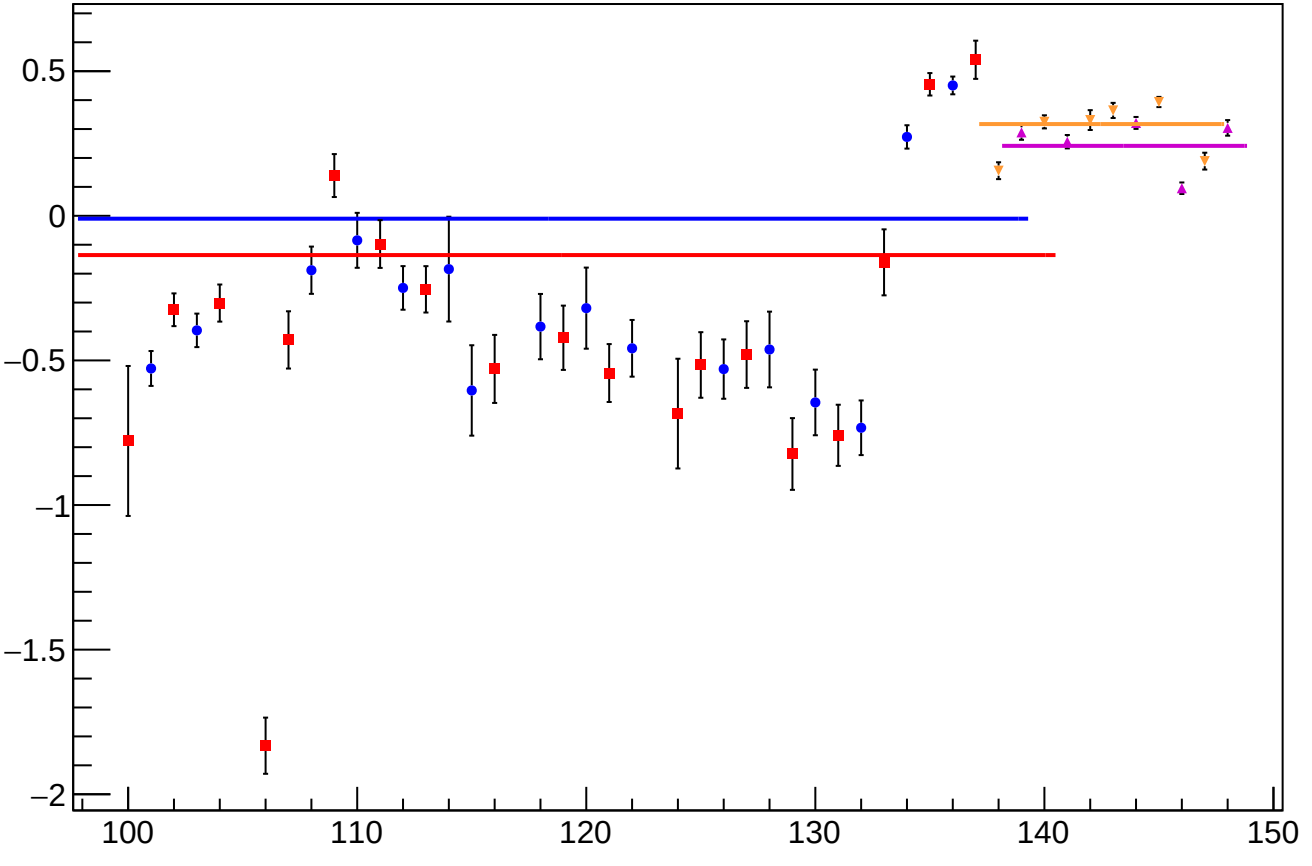
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.575+/-0.172 χ^2/NDF:4330.2/20

Out: 31.294+/-0.177 χ^2/NDF:5088.9/24

All: 32.469+/-0.123 χ^2/NDF: 9504.5/45

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: 0.317+/-0.010 χ^2/NDF:72.2/5

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.242+/-0.010 χ^2/NDF:77.8/4

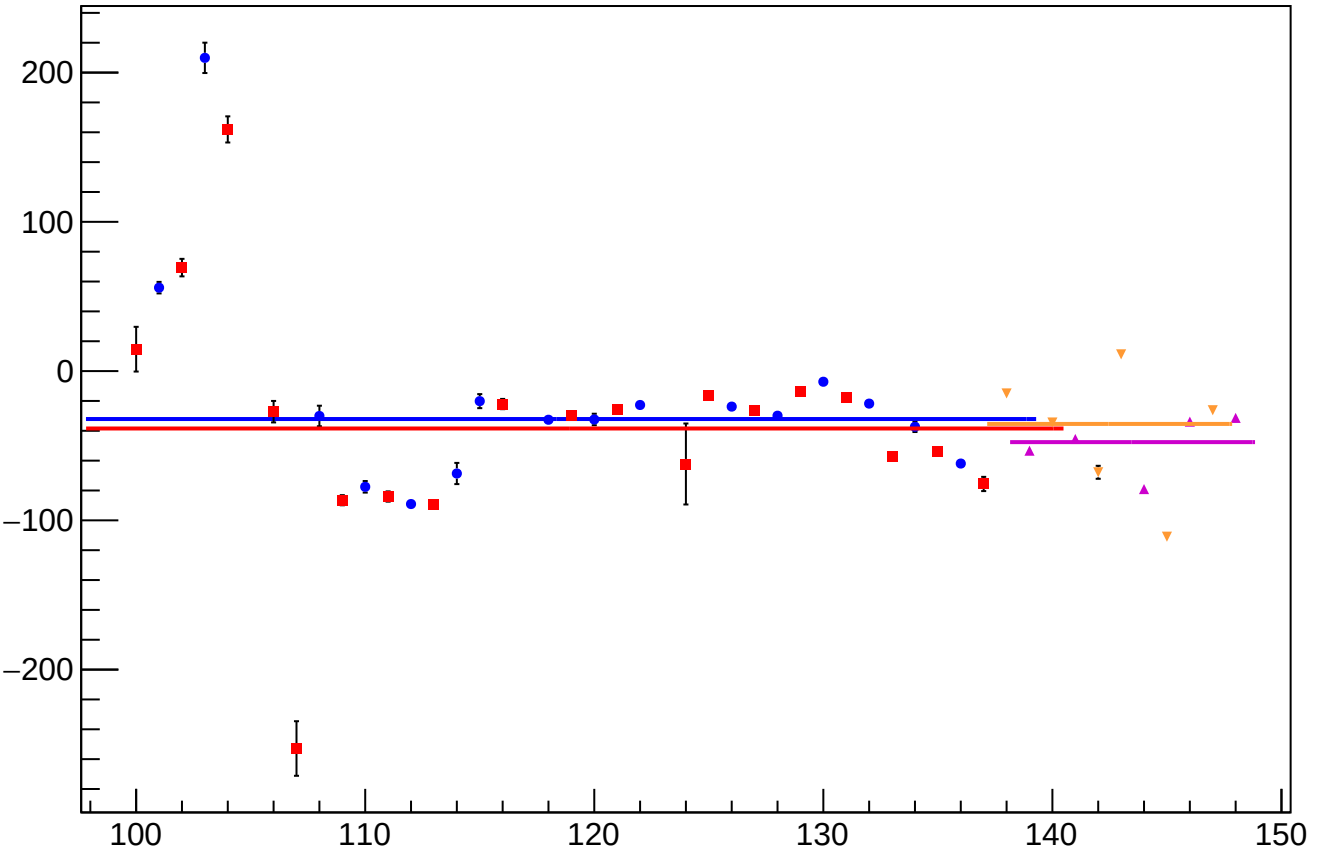
Left: 0.280+/-0.007 χ^2/NDF: 177.6/10

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.177+/-0.009 χ^2/NDF:822.0/20

Out: 0.216+/-0.009 χ^2/NDF:1340.3/24

All: 0.196+/-0.006 χ^2/NDF: 2172.1/45



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -35.406+/-1.202 χ^2/NDF:889.1/5

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -47.591+/-1.217 χ^2/NDF:175.1/4

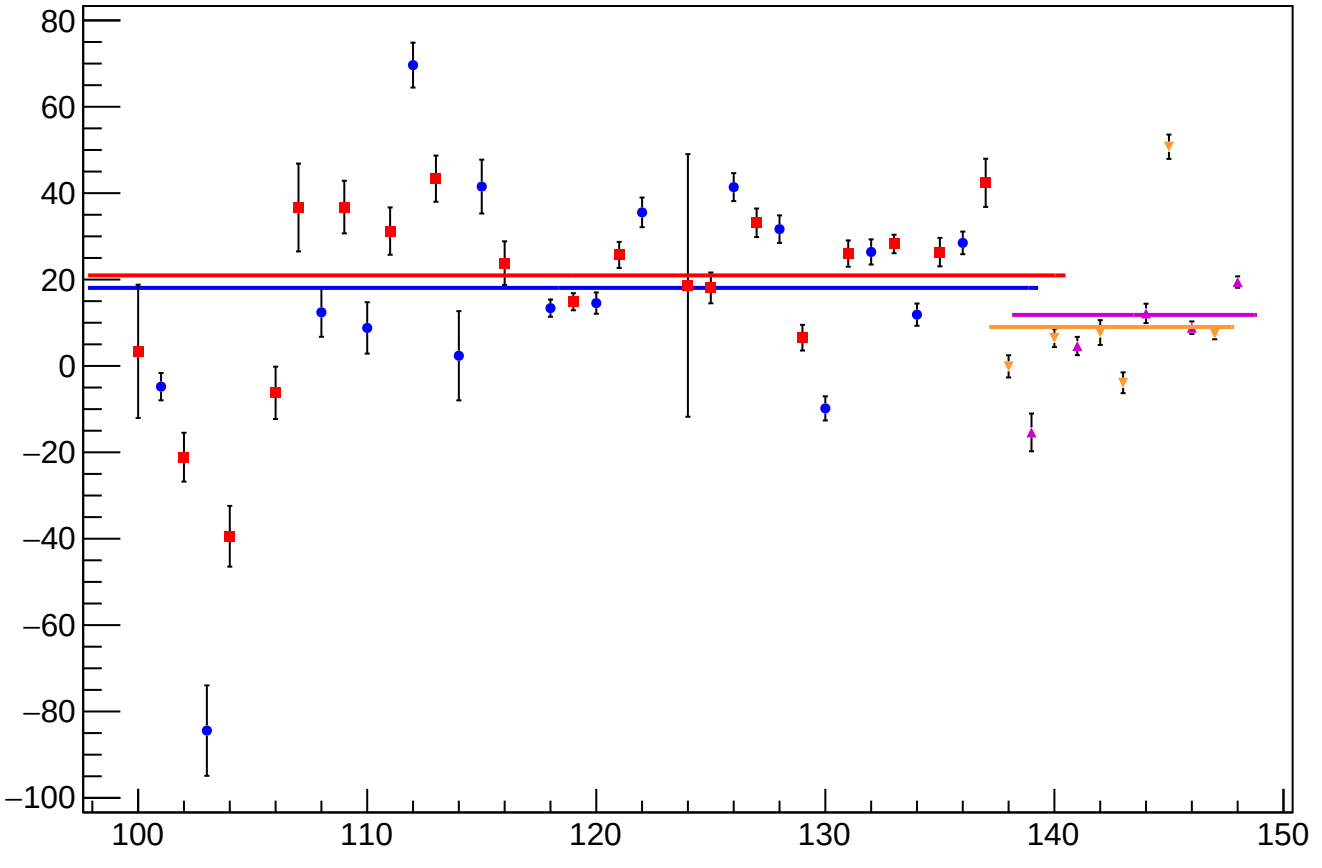
Left: -41.423+/-0.855 χ^2/NDF: 1115.0/10

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -37.134+/-0.693 χ^2/NDF:2161.9/20

Out: -37.419+/-0.702 χ^2/NDF:2865.9/24

All: -37.275+/-0.493 χ^2/NDF: 5027.9/45



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.019+/-0.847 χ^2/NDF:264.1/5

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 11.817+/-0.811 χ^2/NDF:87.8/4

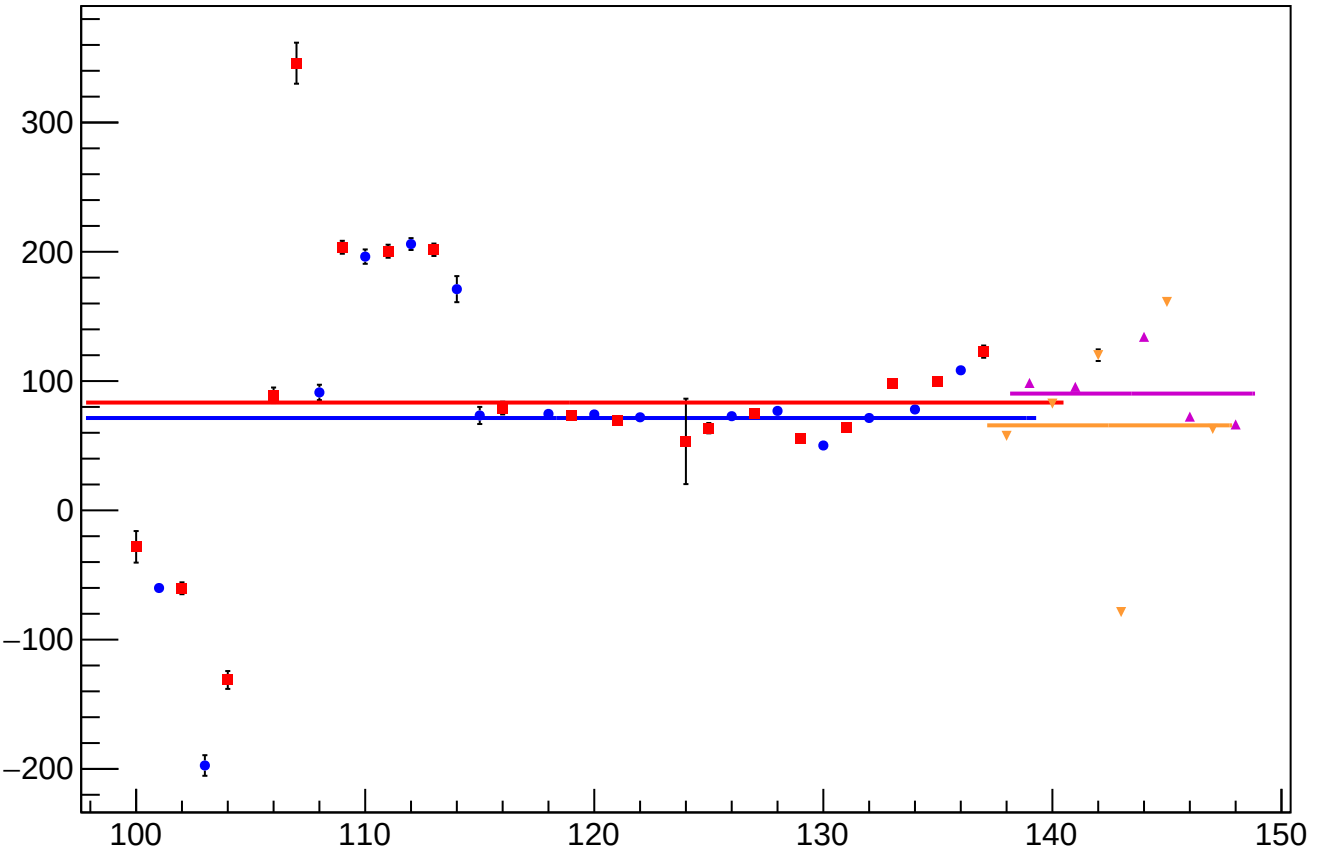
Left: 10.479+/-0.586 χ^2/NDF: 357.6/10

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 14.898+/-0.578 χ^2/NDF:616.6/20

Out: 14.840+/-0.606 χ^2/NDF:623.6/24

All: 14.870+/-0.418 χ^2/NDF: 1240.2/45



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 65.747+/-1.214 χ^2/NDF:2869.3/5

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 90.317+/-1.211 χ^2/NDF:345.6/4

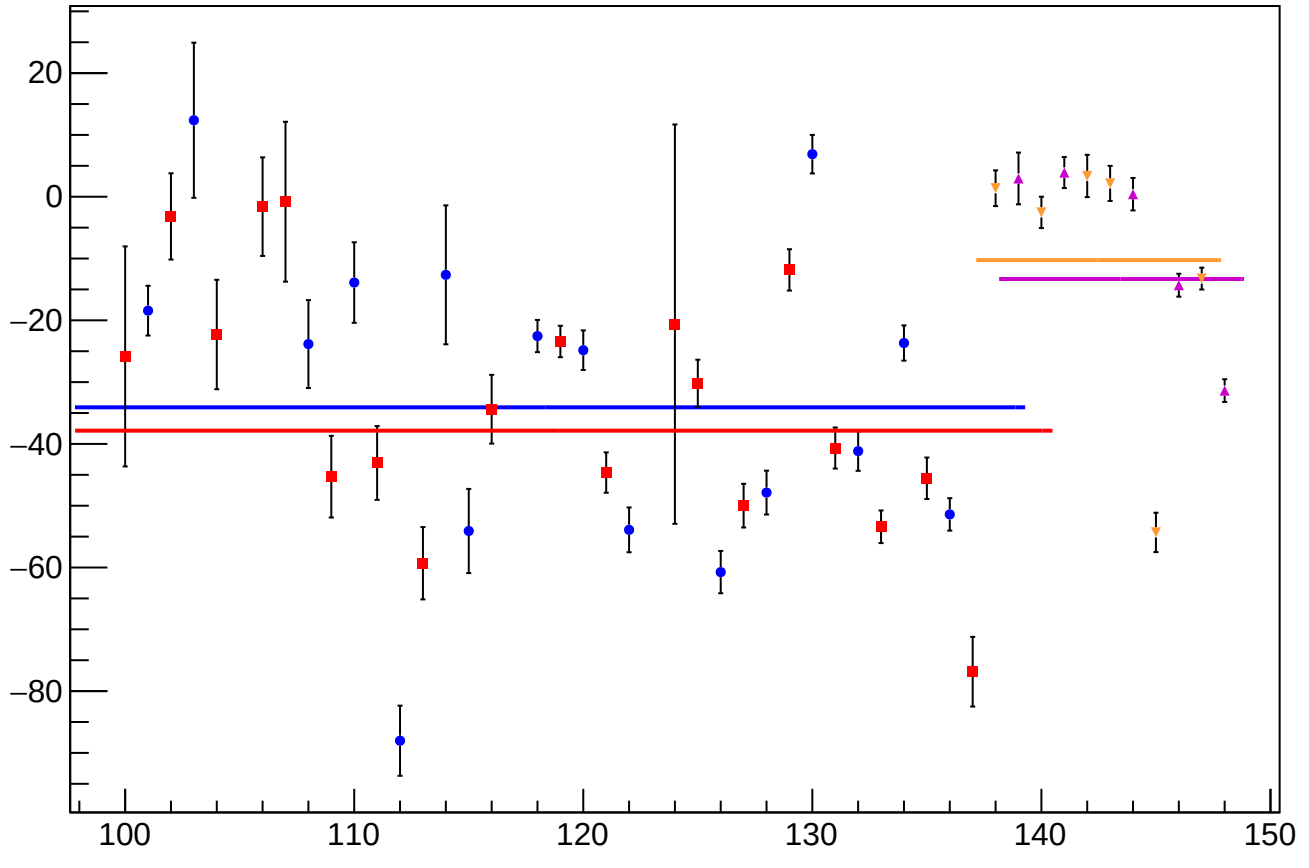
Left: 78.056+/-0.857 χ^2/NDF: 3420.2/10

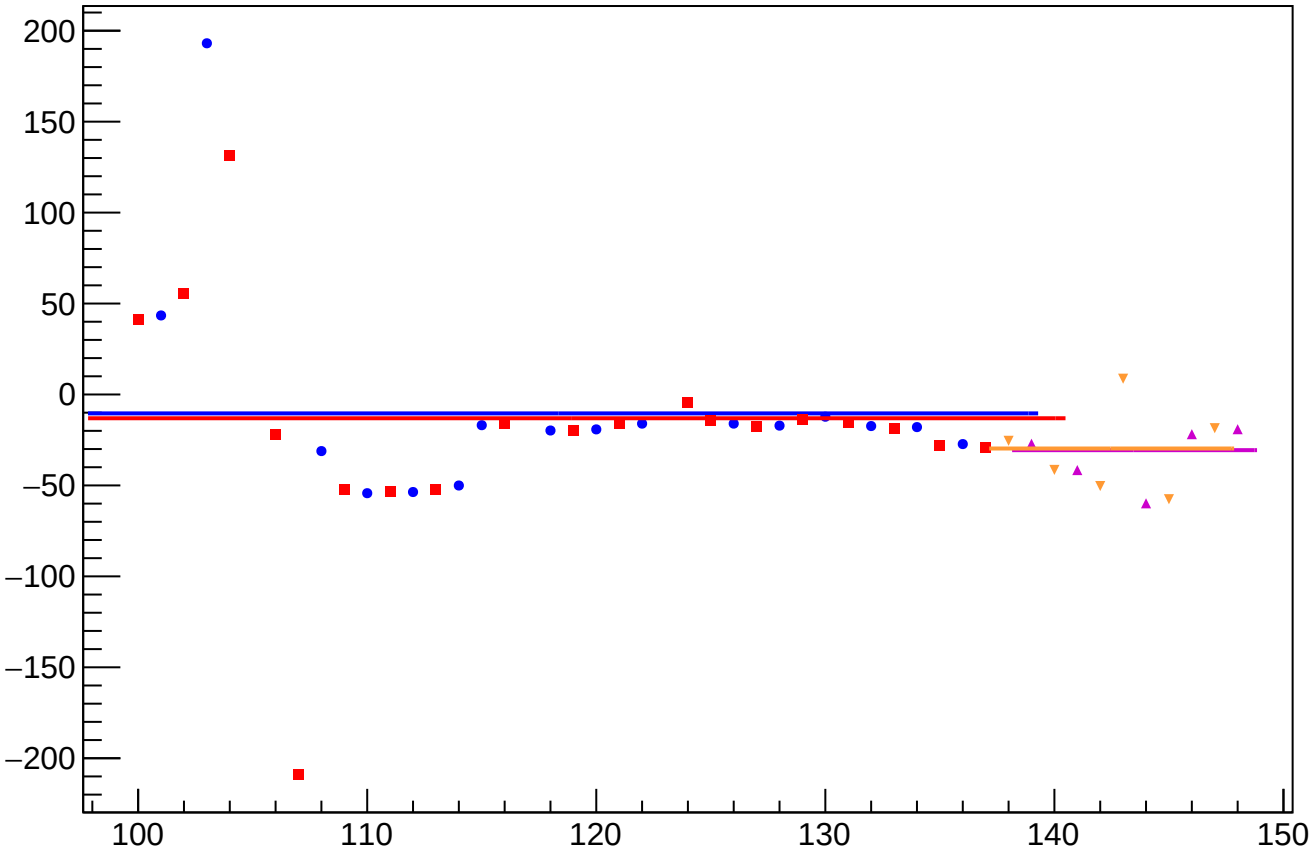
Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 78.439+/-0.738 χ^2/NDF:5318.1/20

Out: 76.380+/-0.765 χ^2/NDF:7294.0/24

All: 77.446+/-0.531 χ^2/NDF: 12615.9/45


reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -34.077+/-0.942 χ²/NDF: 511.2/15
Left Out: -10.258+/-1.052 χ²/NDF:254.4/5
Right Out: -37.855+/-0.994 χ²/NDF: 274.6/18
Left In: -13.311+/-1.027 χ²/NDF:186.6/4
Left: -11.822+/-0.735 χ²/NDF: 445.3/10
Right: -35.865+/-0.684 χ²/NDF: 793.4/34
In: -24.589+/-0.694 χ²/NDF:919.7/20
Out: -24.847+/-0.723 χ²/NDF:892.5/24
All: -24.713+/-0.501 χ²/NDF: 1812.3/45



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -29.707+/-0.051 χ^2/NDF:155454.4/5

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -30.612+/-0.049 χ^2/NDF:71943.1/4

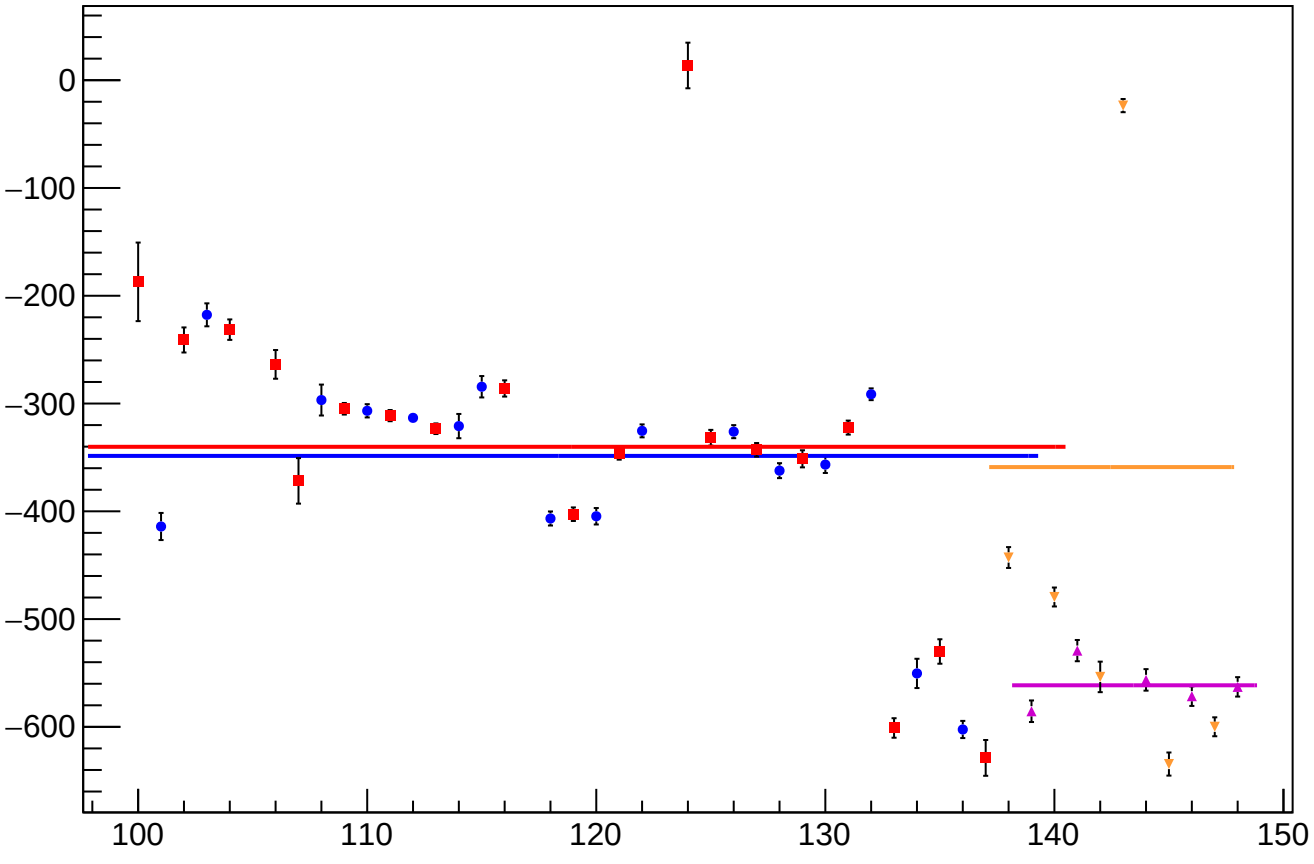
Left: -30.177+/-0.035 χ^2/NDF: 227563.2/10

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -22.038+/-0.037 χ^2/NDF:667138.0/20

Out: -23.125+/-0.039 χ^2/NDF:647698.4/24

All: -22.547+/-0.027 χ^2/NDF: 1315240.4/45



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -358.963+/-3.604 χ^2/NDF:4868.0/5

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -561.427+/-4.271 χ^2/NDF:18.0/4

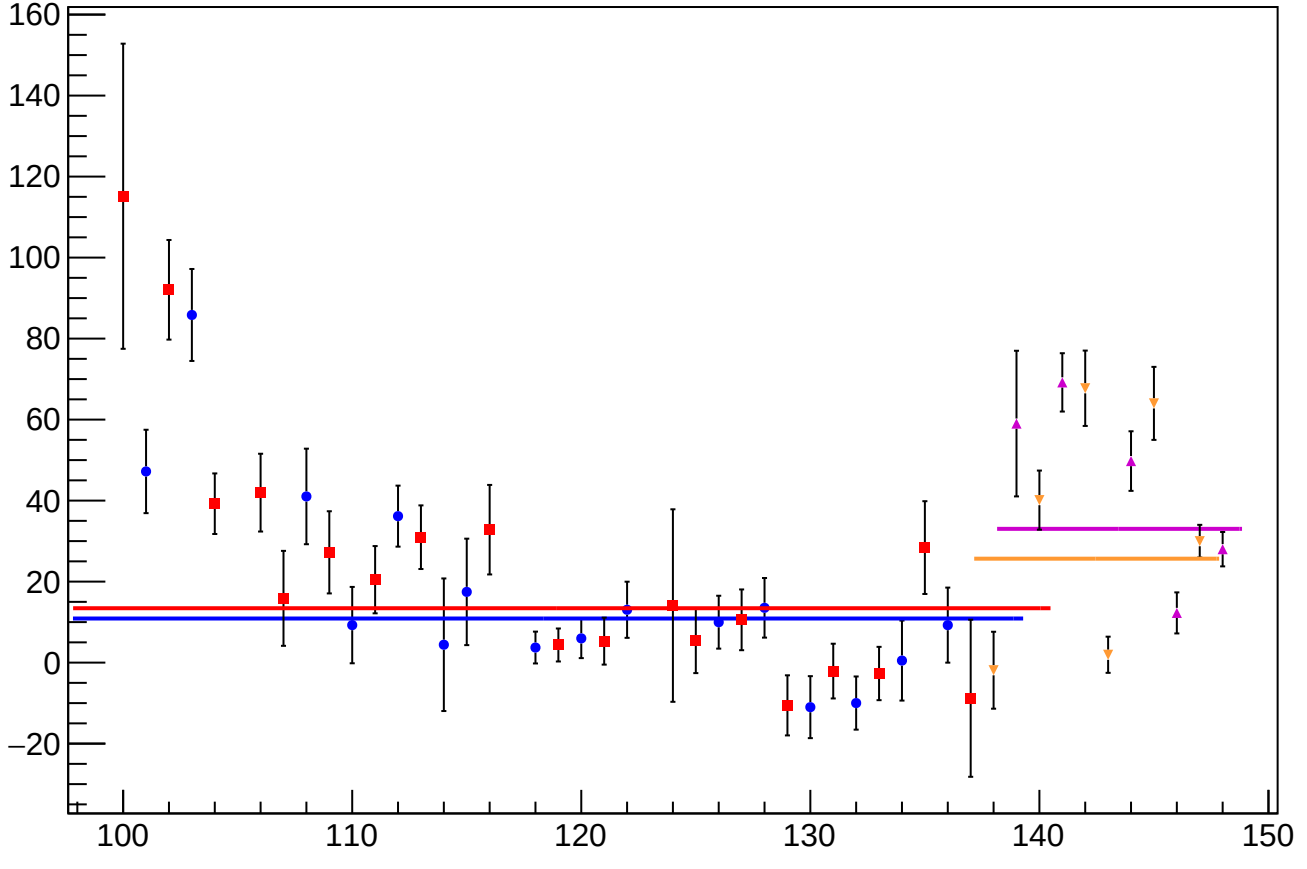
Left: -443.170+/-2.755 χ^2/NDF: 6198.3/10

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -381.431+/-1.678 χ^2/NDF:3976.0/20

Out: -343.765+/-1.581 χ^2/NDF:7087.1/24

All: -361.479+/-1.151 χ^2/NDF: 11330.0/45



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 25.660+/-2.459 χ^2/NDF:80.3/5

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 33.025+/-2.719 χ^2/NDF:50.7/4

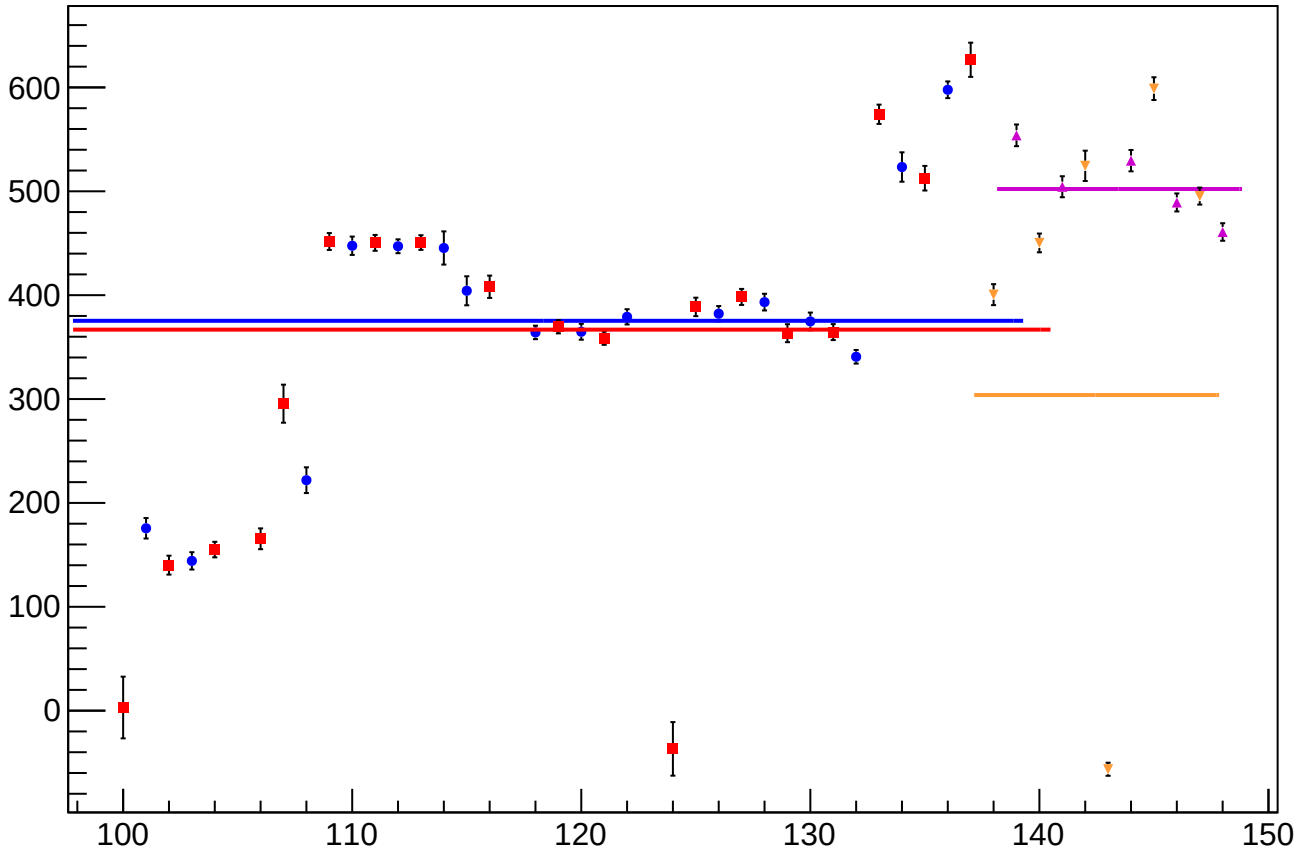
Left: 28.975+/-1.824 χ^2/NDF: 135.0/10

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 17.857+/-1.525 χ^2/NDF:194.3/20

Out: 17.861+/-1.481 χ^2/NDF:208.4/24

All: 17.859+/-1.062 χ^2/NDF: 402.8/45



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 303.882+/-3.646 χ^2/NDF:5127.6/5

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 502.217+/-4.233 χ^2/NDF:57.9/4

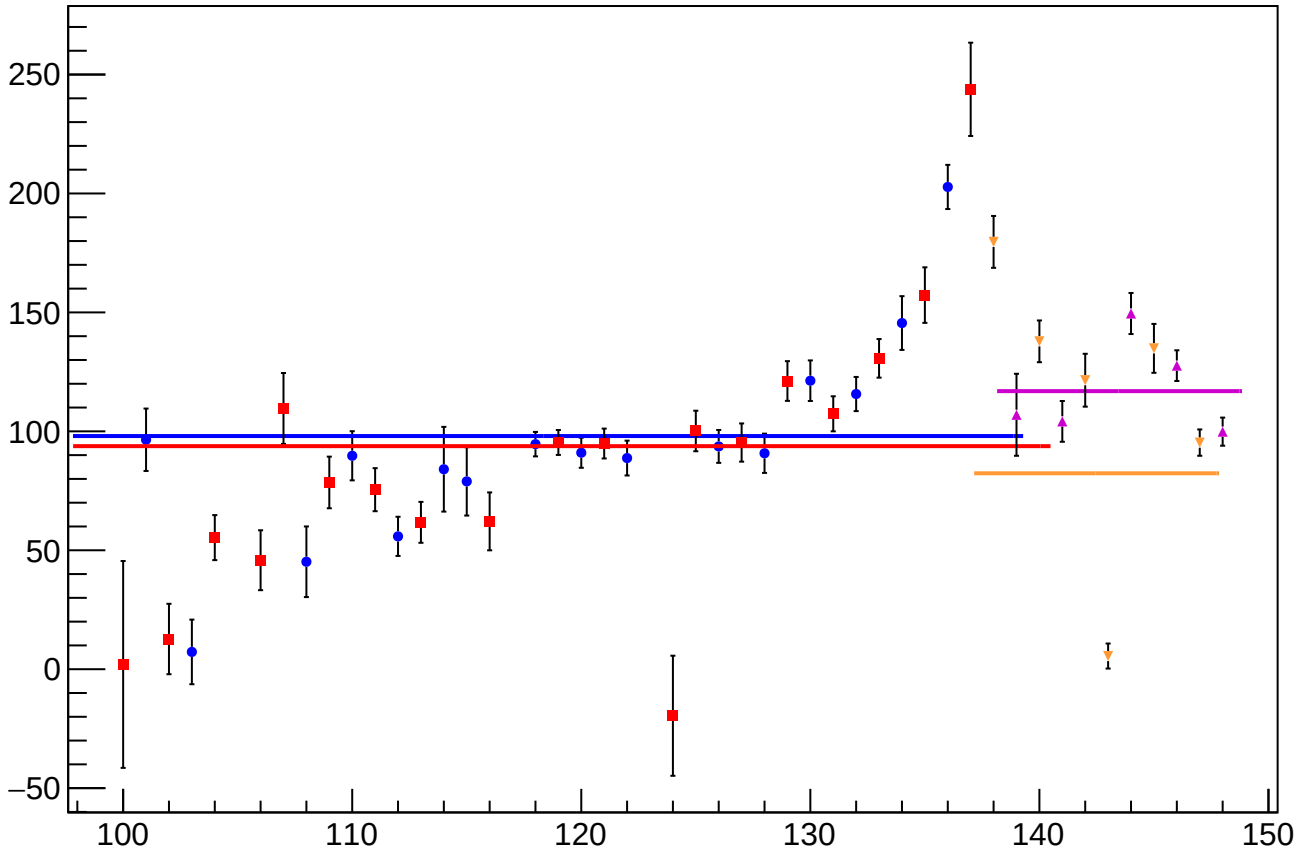
Left: 388.361+/-2.763 χ^2/NDF: 6445.7/10

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 400.435+/-1.883 χ^2/NDF:3228.2/20

Out: 351.718+/-1.787 χ^2/NDF:8895.2/24

All: 374.795+/-1.296 χ^2/NDF: 12475.6/45



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 82.363+/-3.047 χ^2/NDF:376.6/5

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 116.907+/-3.470 χ^2/NDF:27.9/4

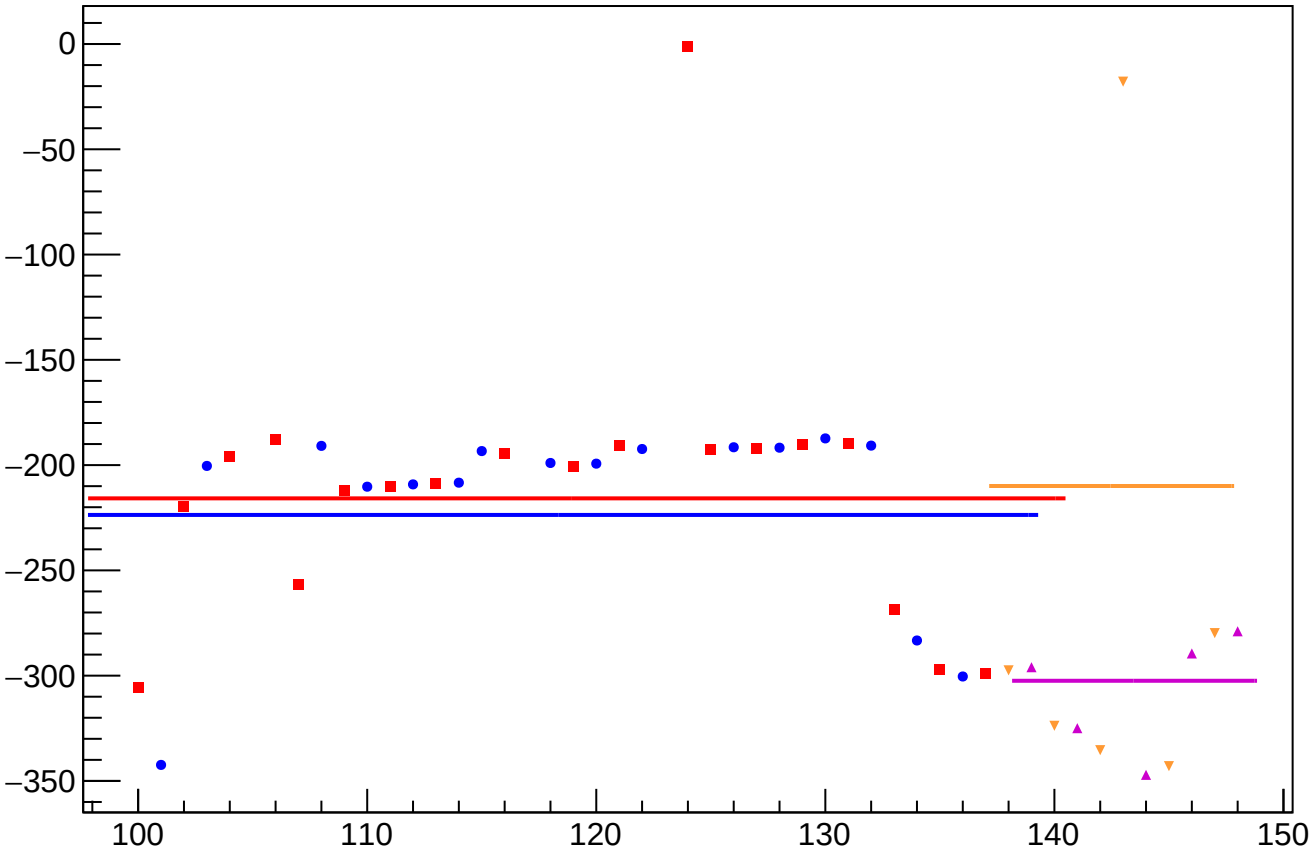
Left: 97.403+/-2.290 χ^2/NDF: 460.4/10

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 103.240+/-1.824 χ^2/NDF:298.8/20

Out: 90.006+/-1.750 χ^2/NDF:623.1/24

All: 96.350+/-1.263 χ^2/NDF: 949.3/45



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -209.924+/-0.153 χ^2/NDF:840696.5/5

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -302.435+/-0.173 χ^2/NDF:18600.3/4

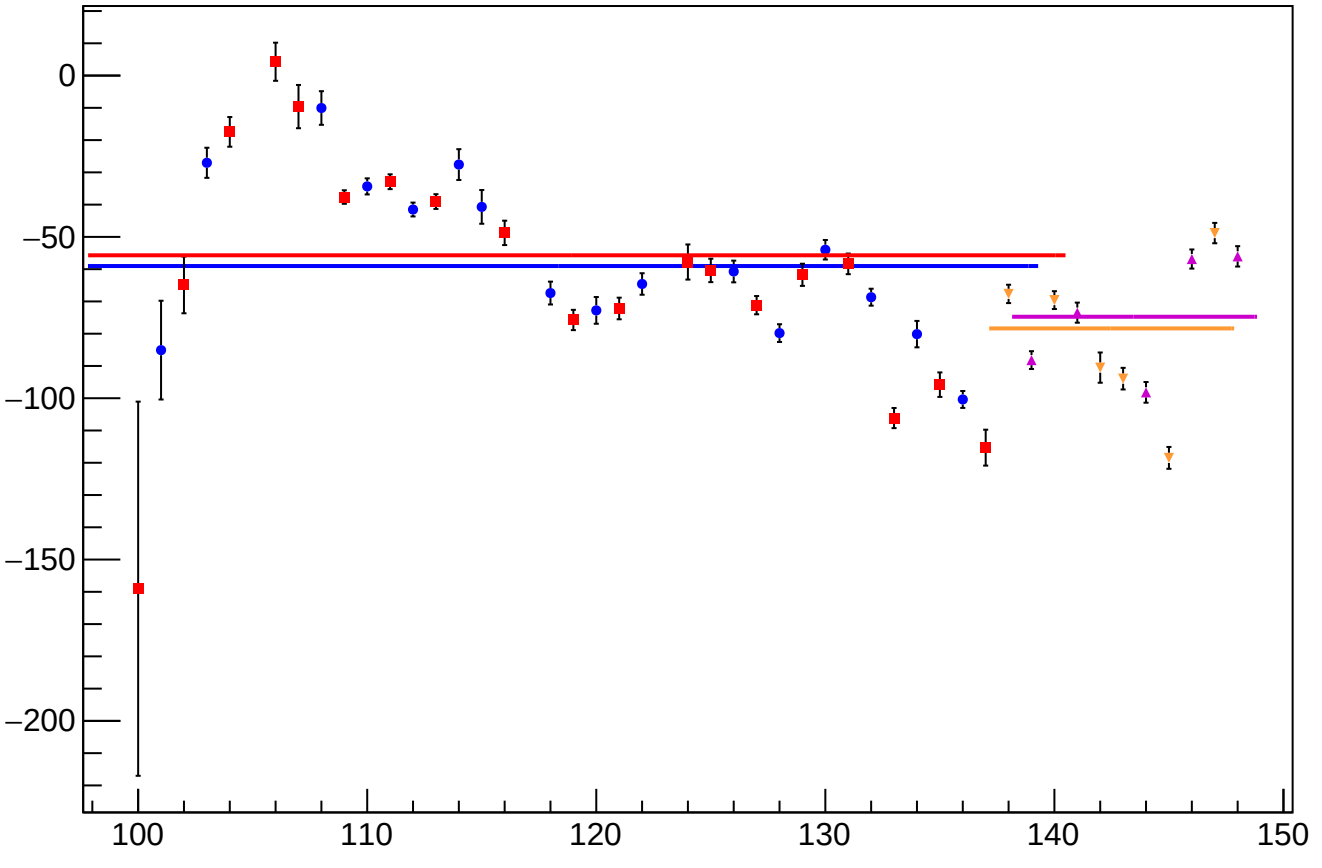
Left: -250.727+/-0.115 χ^2/NDF: 1019642.4/10

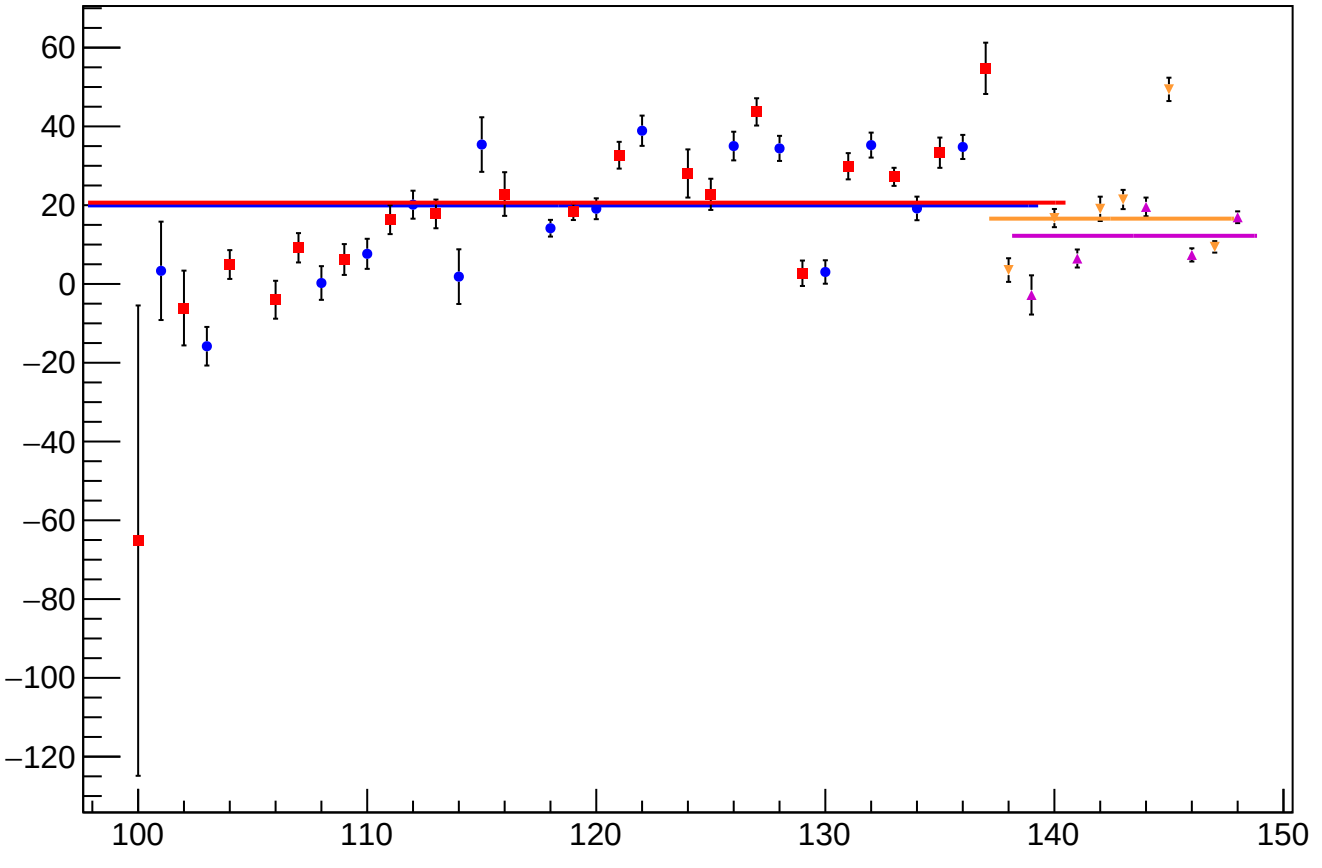
Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -254.435+/-0.108 χ^2/NDF:266866.6/20

Out: -213.249+/-0.101 χ^2/NDF:923042.7/24

All: -232.485+/-0.074 χ^2/NDF: 1267485.9/45


reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -59.030+/-0.829 χ²/NDF: 727.3/15
Left Out: -78.360+/-1.317 χ²/NDF:280.4/5
Right Out: -55.701+/-0.790 χ²/NDF: 1041.1/18
Left In: -74.747+/-1.354 χ²/NDF:148.8/4
Left: -76.604+/-0.944 χ²/NDF: 432.9/10
Right: -57.284+/-0.572 χ²/NDF: 1776.9/34
In: -63.318+/-0.707 χ²/NDF:974.1/20
Out: -61.697+/-0.677 χ²/NDF:1539.3/24
All: -62.473+/-0.489 χ²/NDF: 2516.2/45



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 16.583+/-0.929 χ^2/NDF:170.4/5

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 12.227+/-0.908 χ^2/NDF:43.4/4

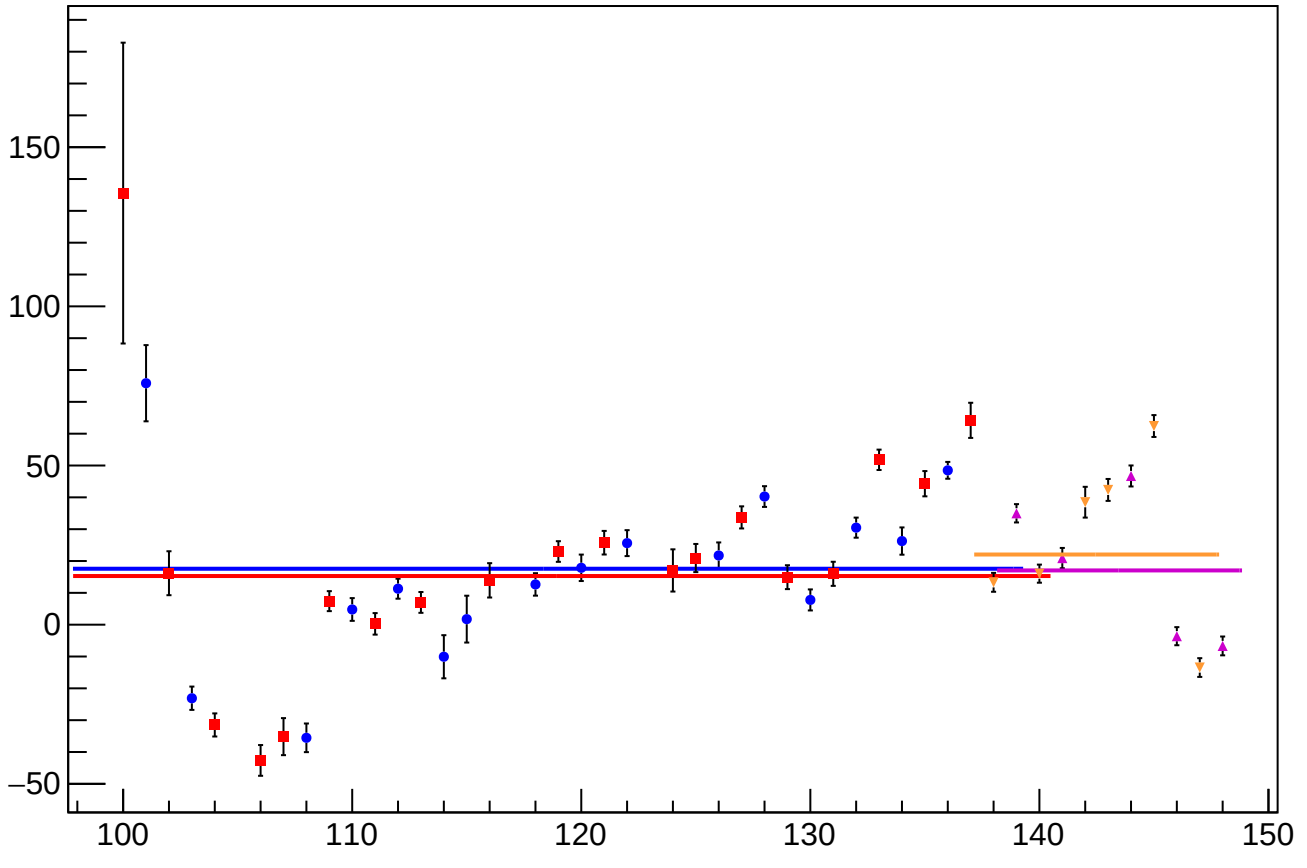
Left: 14.353+/-0.649 χ^2/NDF: 225.0/10

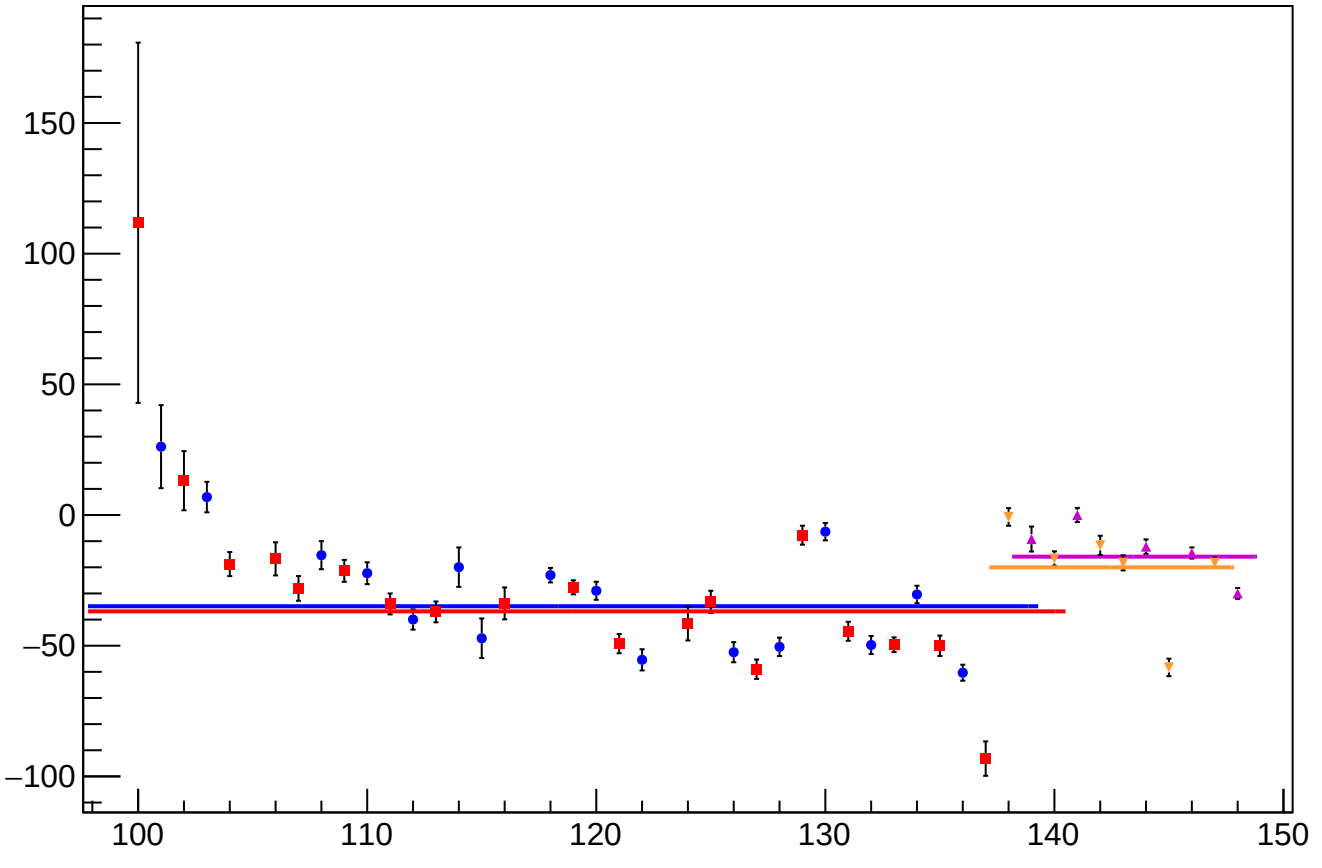
Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

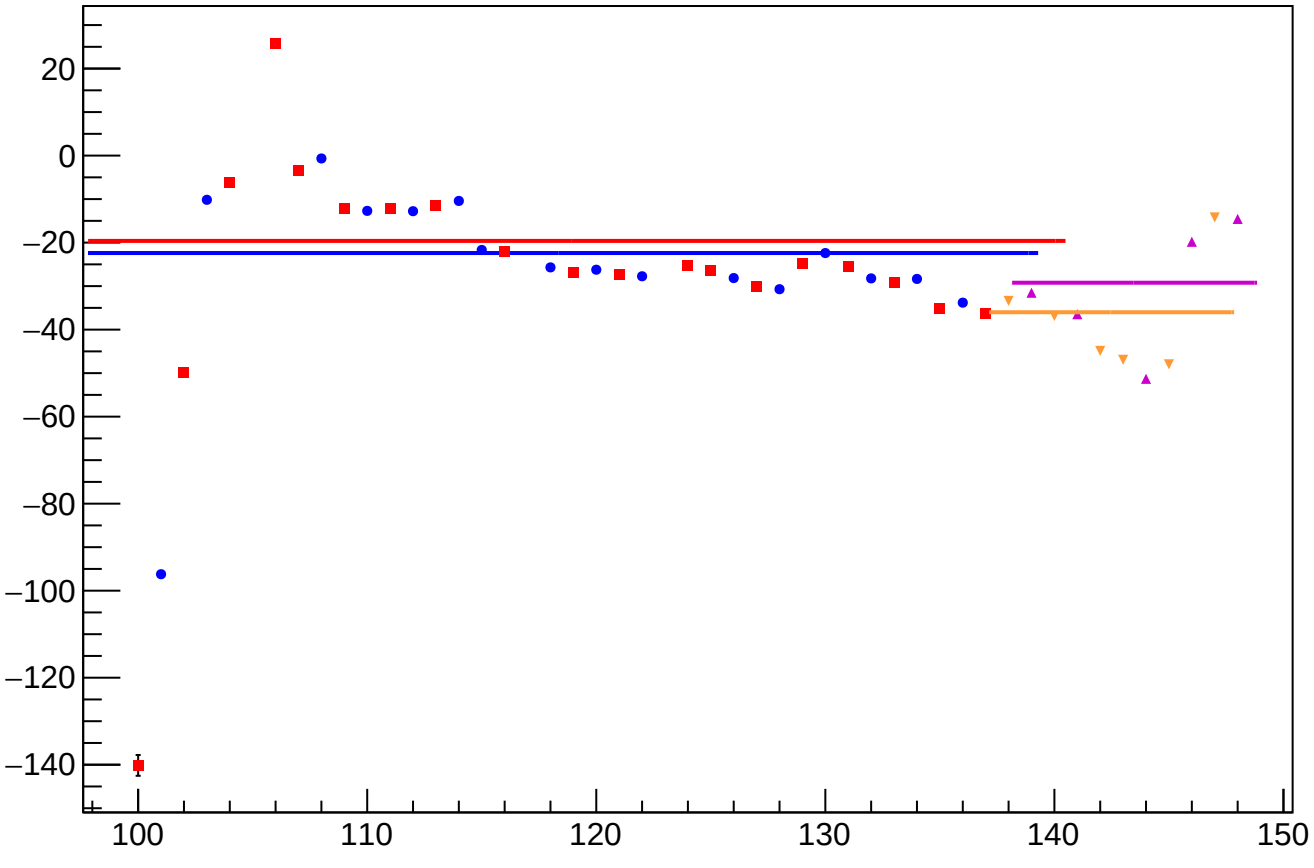
In: 16.261+/-0.627 χ^2/NDF:328.3/20

Out: 18.809+/-0.625 χ^2/NDF:405.6/24

All: 17.540+/-0.443 χ^2/NDF: 742.2/45


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
Right In: 17.574+/-0.957 χ²/NDF: 546.2/15
Left Out: 22.042+/-1.331 χ²/NDF:343.0/5
Right Out: 15.283+/-0.934 χ²/NDF: 730.0/18
Left In: 17.043+/-1.350 χ²/NDF:238.4/4
Left: 19.578+/-0.948 χ²/NDF: 588.4/10
Right: 16.401+/-0.668 χ²/NDF: 1279.2/34
In: 17.397+/-0.780 χ²/NDF:784.7/20
Out: 17.513+/-0.765 χ²/NDF:1090.3/24
All: 17.456+/-0.546 χ²/NDF: 1875.0/45


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -20.002+/-1.152 χ²/NDF:170.9/5
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -15.925+/-1.146 χ²/NDF:84.8/4
Left: -17.953+/-0.812 χ²/NDF: 261.9/10
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -26.788+/-0.749 χ²/NDF:588.4/20
Out: -29.865+/-0.742 χ²/NDF:597.6/24
All: -28.342+/-0.527 χ²/NDF: 1194.5/45



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -36.003+/-0.056 χ^2/NDF:44057.2/5

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -29.219+/-0.055 χ^2/NDF:46961.3/4

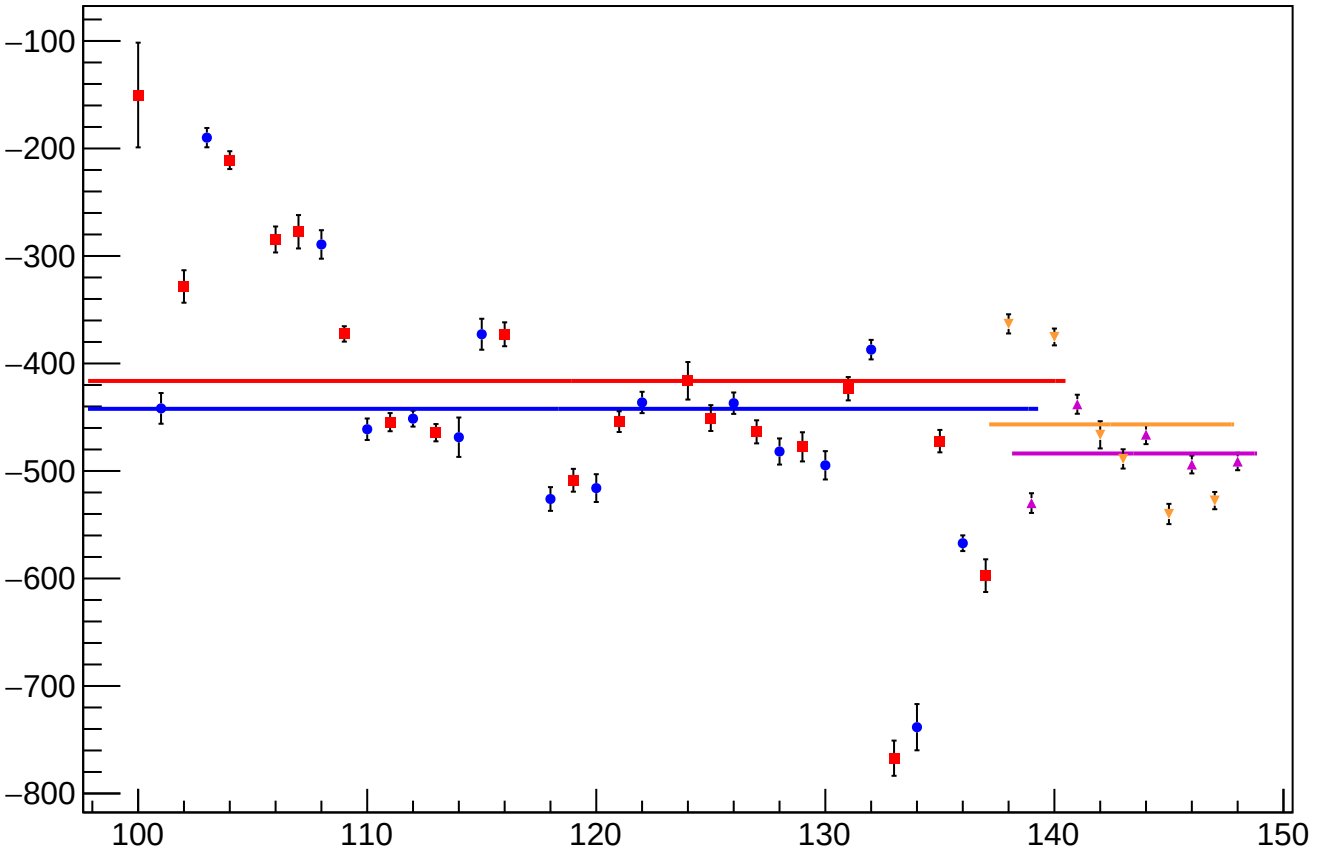
Left: -32.545+/-0.039 χ^2/NDF: 98615.9/10

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -26.035+/-0.040 χ^2/NDF:100794.8/20

Out: -28.357+/-0.041 χ^2/NDF:168527.6/24

All: -27.173+/-0.028 χ^2/NDF: 270989.9/45



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -456.660+/-3.667 χ^2/NDF:387.5/5

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -483.727+/-3.859 χ^2/NDF:58.4/4

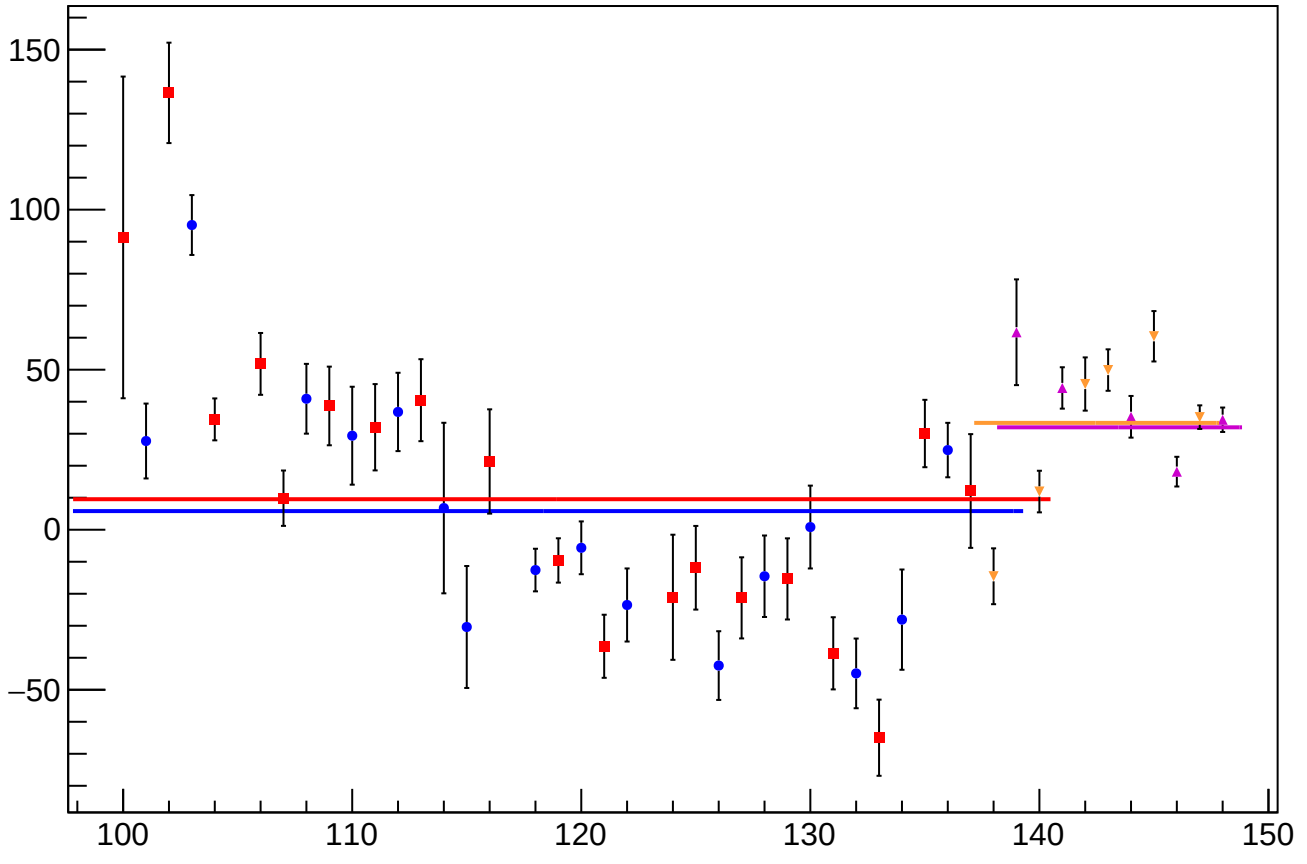
Left: -469.503+/-2.658 χ^2/NDF: 471.7/10

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -455.711+/-2.202 χ^2/NDF:1725.6/20

Out: -429.236+/-2.078 χ^2/NDF:2223.7/24

All: -441.707+/-1.511 χ^2/NDF: 4025.8/45



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 33.385+/-2.464 χ^2/NDF:61.7/5

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 31.995+/-2.452 χ^2/NDF:16.4/4

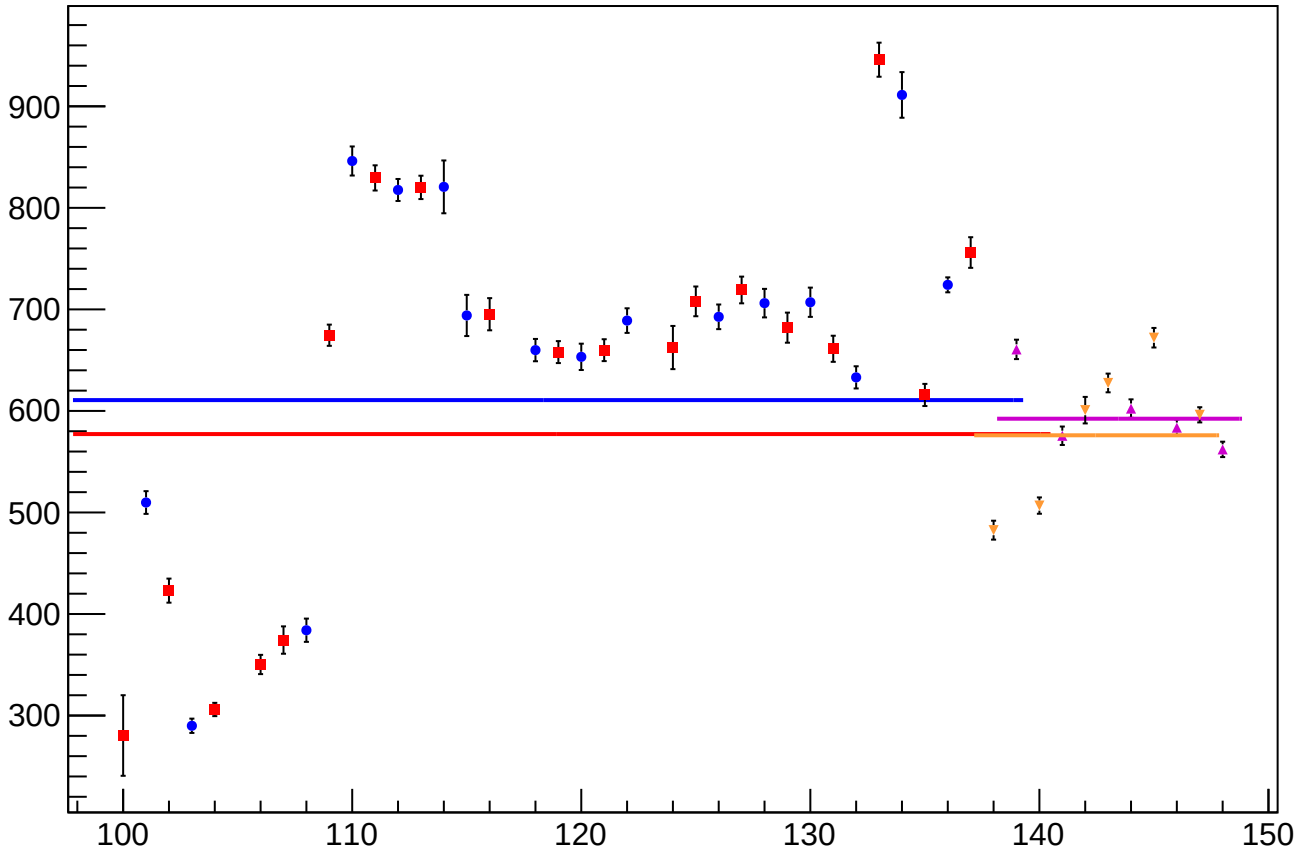
Left: 32.687+/-1.738 χ^2/NDF: 78.3/10

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 20.298+/-1.824 χ^2/NDF:255.4/20

Out: 21.900+/-1.774 χ^2/NDF:329.0/24

All: 21.121+/-1.272 χ^2/NDF: 584.8/45



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 576.010+/-3.695 χ^2/NDF:316.2/5

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 592.337+/-3.825 χ^2/NDF:72.7/4

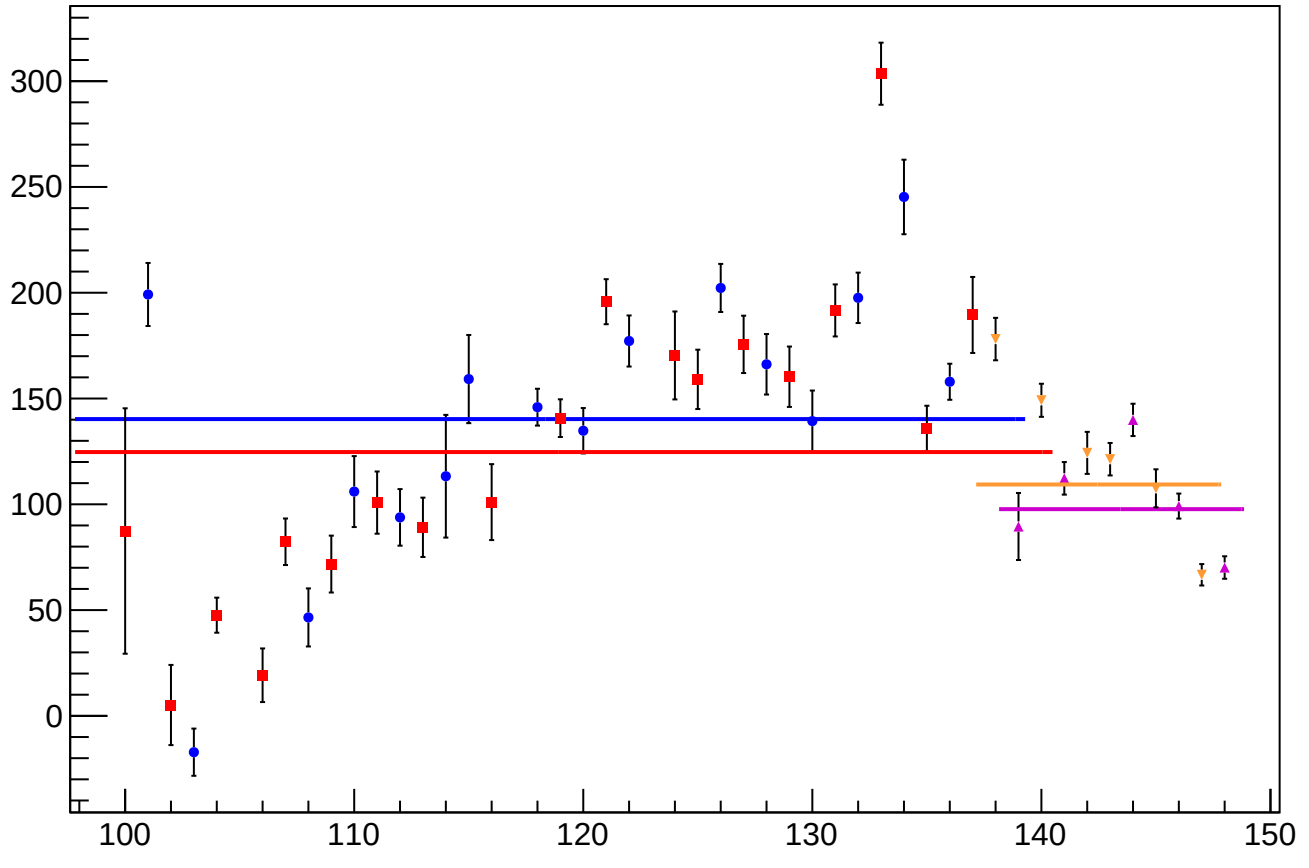
Left: 583.892+/-2.658 χ^2/NDF: 398.3/10

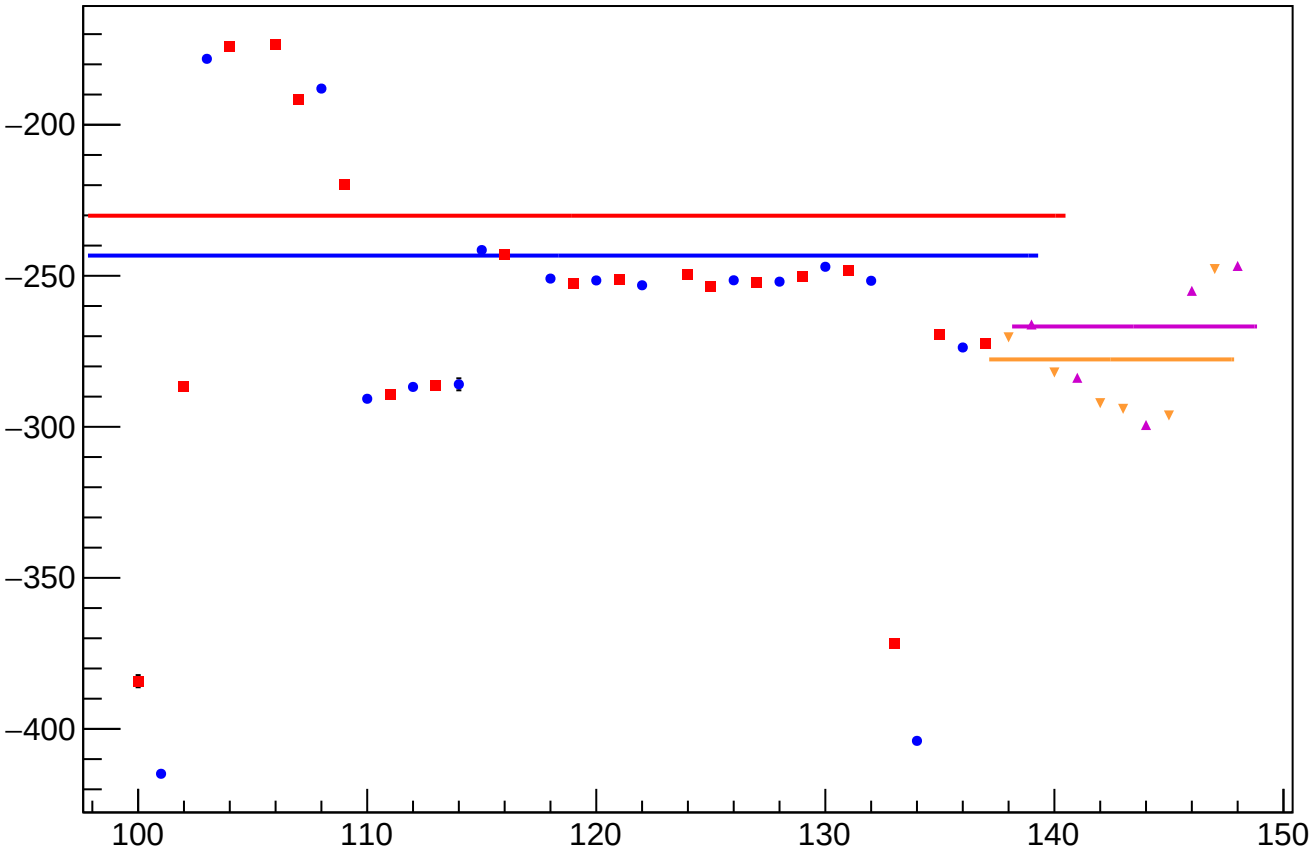
Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 603.998+/-2.307 χ^2/NDF:3979.8/20

Out: 576.778+/-2.209 χ^2/NDF:5116.6/24

All: 589.796+/-1.595 χ^2/NDF: 9169.1/45


reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 140.278+/-3.151 χ²/NDF: 385.4/15
Left Out: 109.368+/-3.088 χ²/NDF:148.8/5
Right Out: 124.697+/-2.979 χ²/NDF: 508.5/18
Left In: 97.710+/-3.131 χ²/NDF:61.4/4
Left: 103.619+/-2.199 χ²/NDF: 217.1/10
Right: 132.049+/-2.165 χ²/NDF: 906.8/34
In: 118.855+/-2.221 χ²/NDF:538.6/20
Out: 117.309+/-2.144 χ²/NDF:670.1/24
All: 118.055+/-1.542 χ²/NDF: 1208.9/45



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -277.683+/-0.156 χ^2/NDF:13497.5/5

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -266.779+/-0.156 χ^2/NDF:13952.5/4

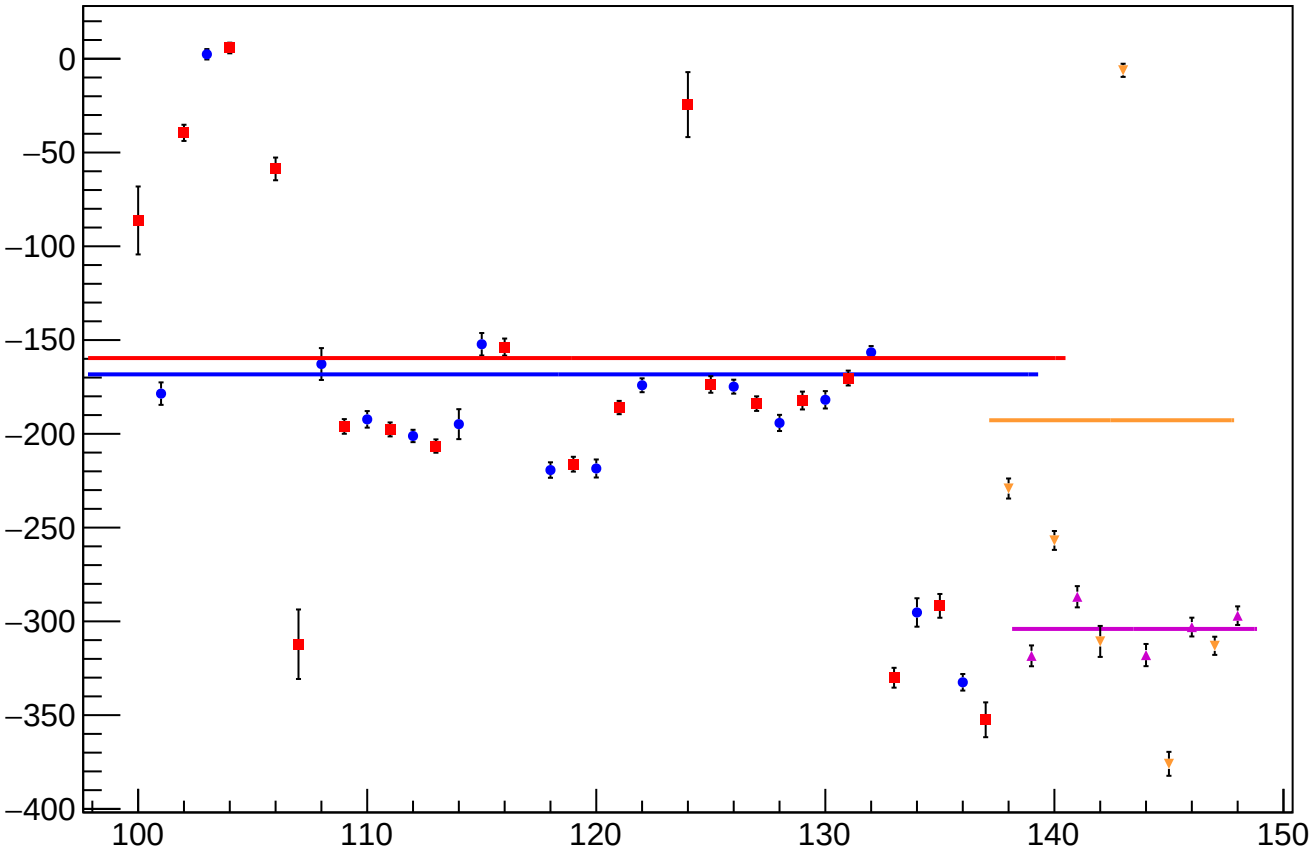
Left: -272.232+/-0.110 χ^2/NDF: 29886.1/10

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -255.506+/-0.113 χ^2/NDF:198280.4/20

Out: -254.071+/-0.111 χ^2/NDF:161981.4/24

All: -254.777+/-0.079 χ^2/NDF: 360344.1/45



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -192.759+/-2.052 χ^2/NDF:4679.0/5

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -304.030+/-2.406 χ^2/NDF:23.5/4

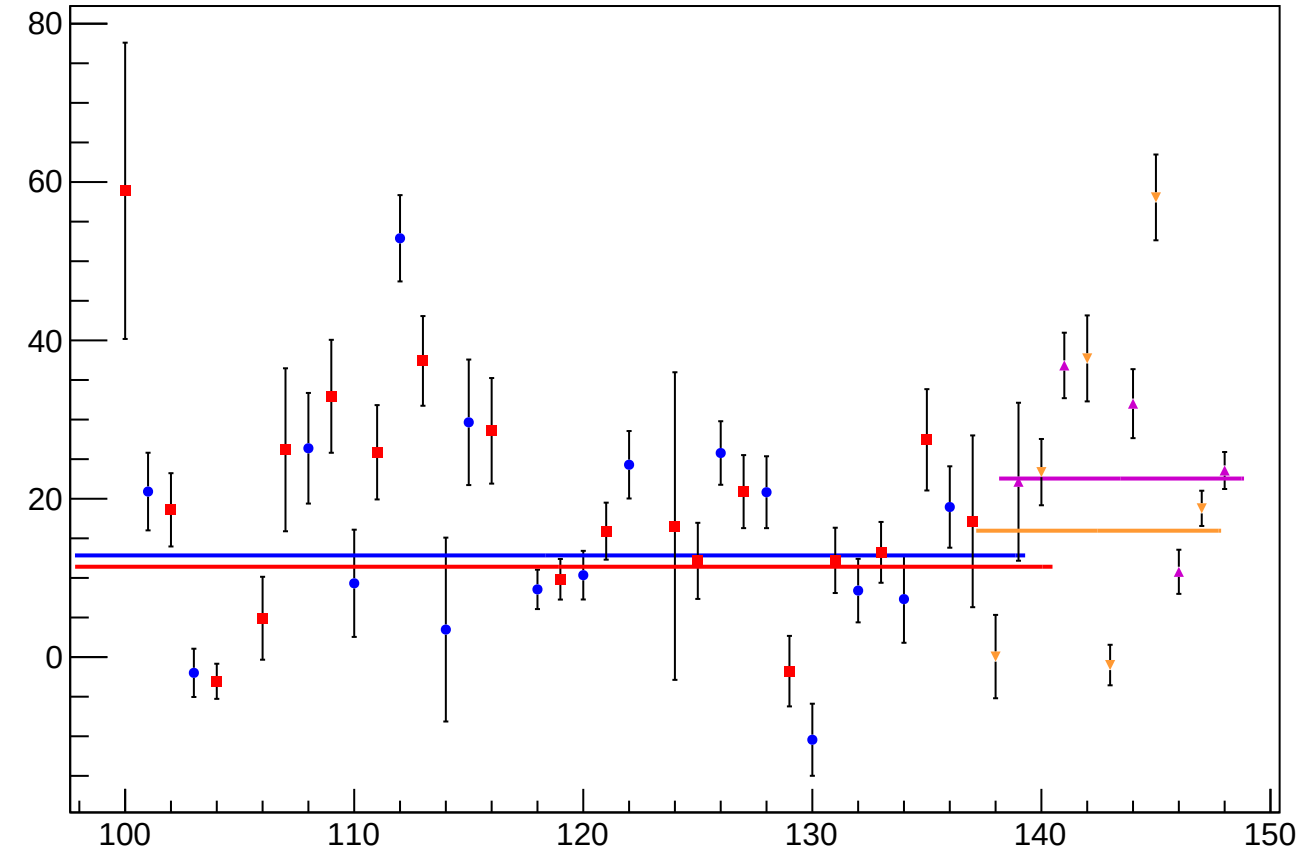
Left: -239.617+/-1.561 χ^2/NDF: 5940.4/10

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -190.903+/-0.982 χ^2/NDF:8583.3/20

Out: -166.401+/-0.929 χ^2/NDF:12084.3/24

All: -177.976+/-0.675 χ^2/NDF: 20996.0/45



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.965+/-1.392 χ^2/NDF:134.3/5

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 22.551+/-1.519 χ^2/NDF:34.7/4

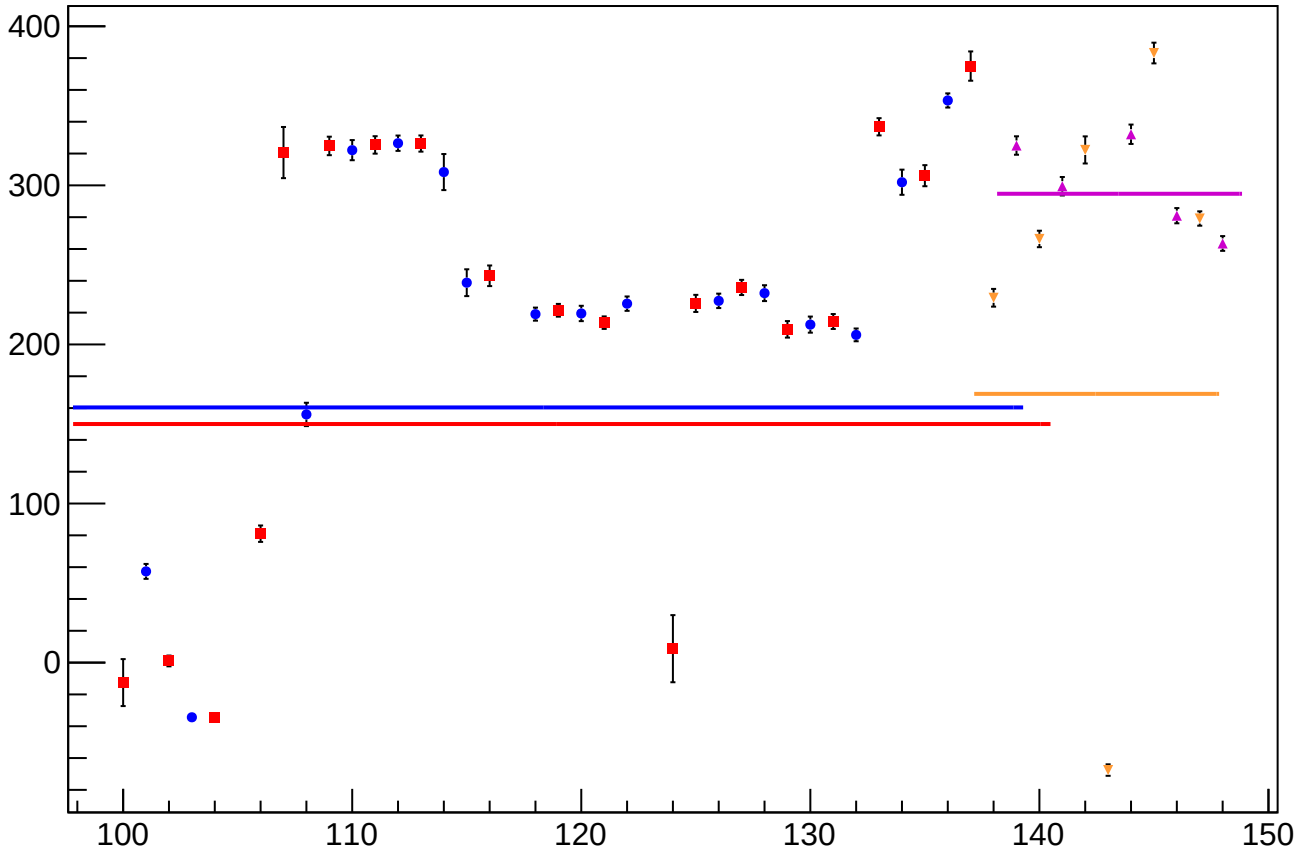
Left: 18.971+/-1.026 χ^2/NDF: 179.2/10

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 16.087+/-0.878 χ^2/NDF:205.6/20

Out: 13.034+/-0.831 χ^2/NDF:260.7/24

All: 14.476+/-0.604 χ^2/NDF: 472.7/45



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 168.926+/-2.074 χ^2/NDF:6765.3/5

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 294.715+/-2.381 χ^2/NDF:119.4/4

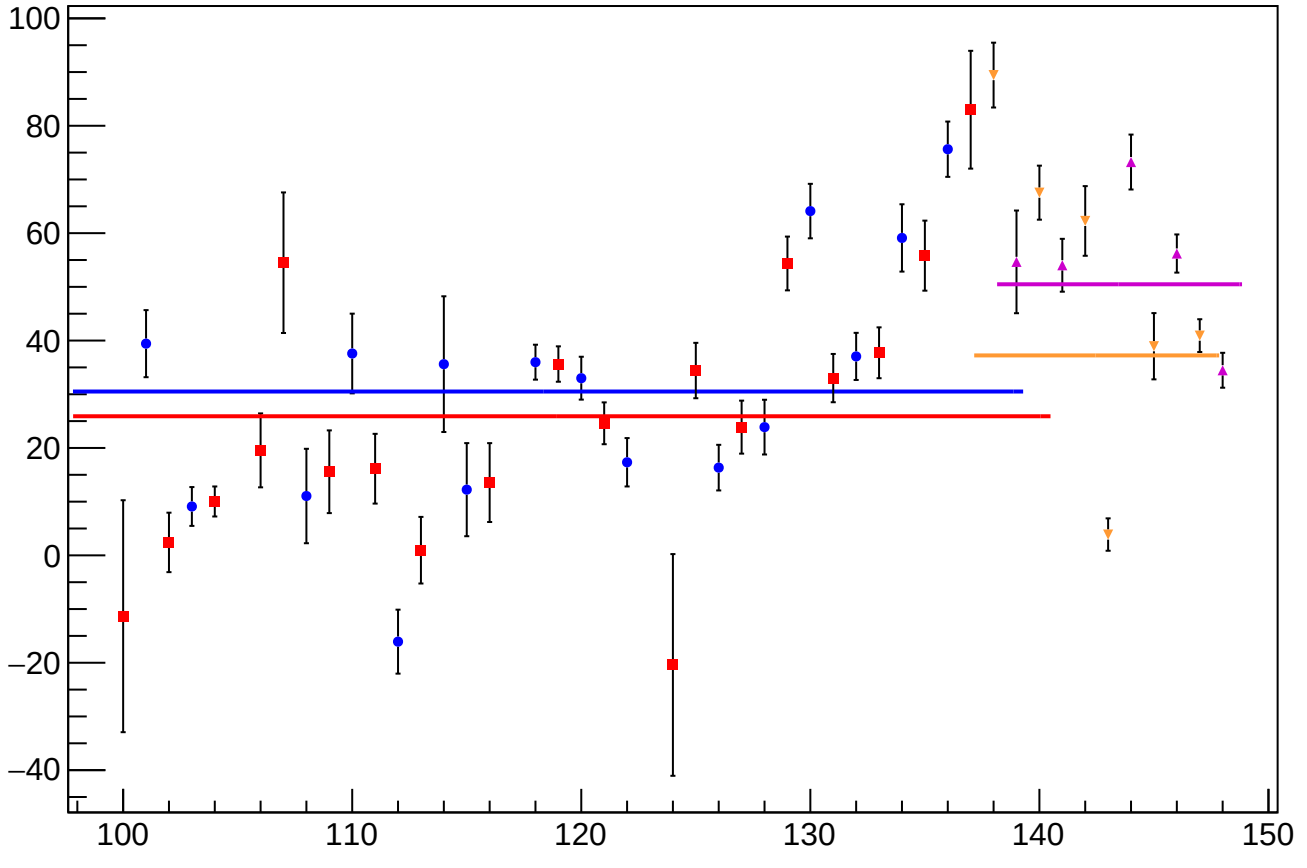
Left: 223.190+/-1.564 χ^2/NDF: 8472.3/10

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 185.425+/-1.027 χ^2/NDF:16659.3/20

Out: 154.176+/-0.976 χ^2/NDF:23095.5/24

All: 169.005+/-0.708 χ^2/NDF: 40240.9/45



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 37.233+/-1.730 χ^2/NDF:249.8/5

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 50.481+/-1.945 χ^2/NDF:47.4/4

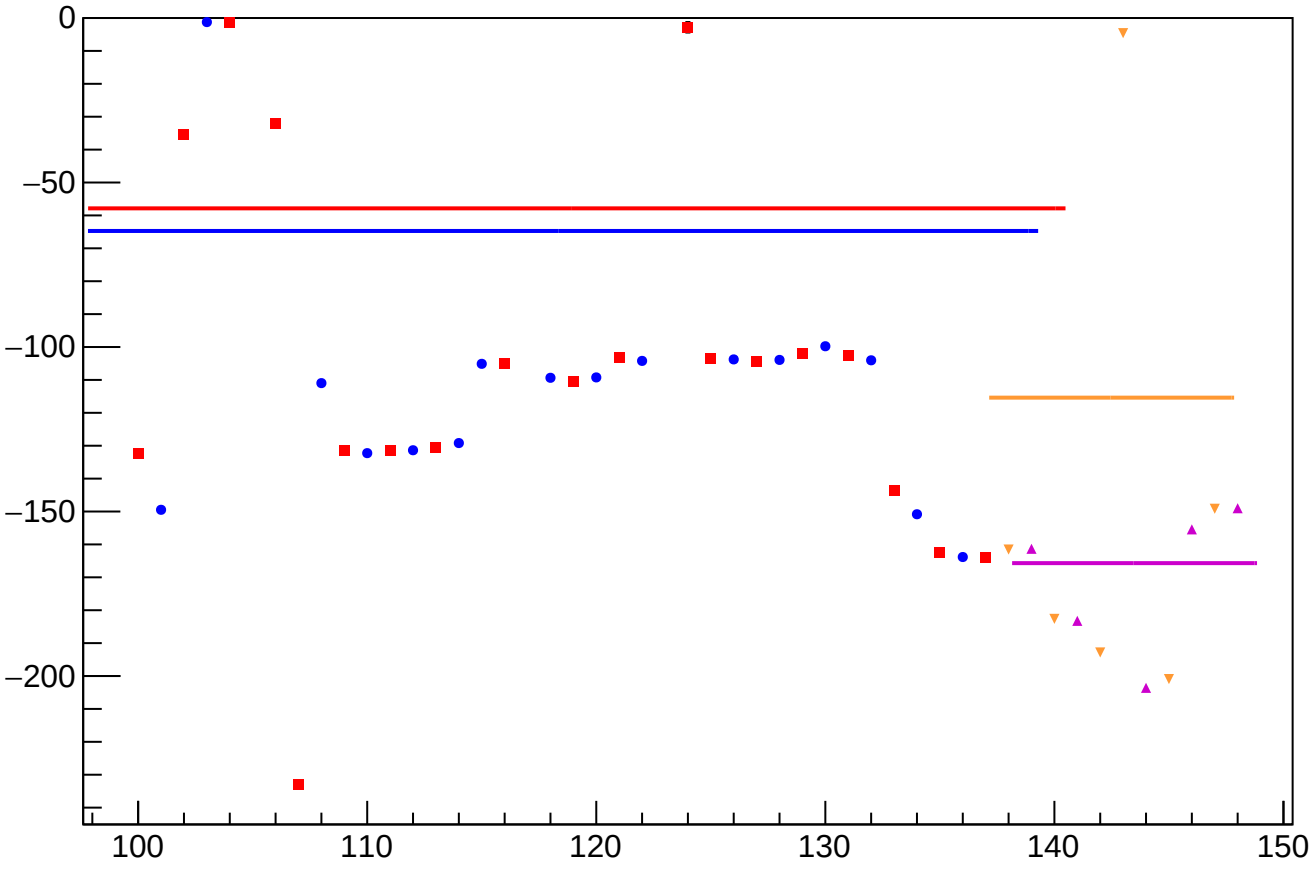
Left: 43.083+/-1.293 χ^2/NDF: 323.0/10

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 36.375+/-1.054 χ^2/NDF:398.8/20

Out: 29.638+/-0.993 χ^2/NDF:466.3/24

All: 32.806+/-0.723 χ^2/NDF: 886.7/45



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -115.387+/-0.087 χ^2/NDF:861267.9/5

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -165.688+/-0.097 χ^2/NDF:35494.6/4

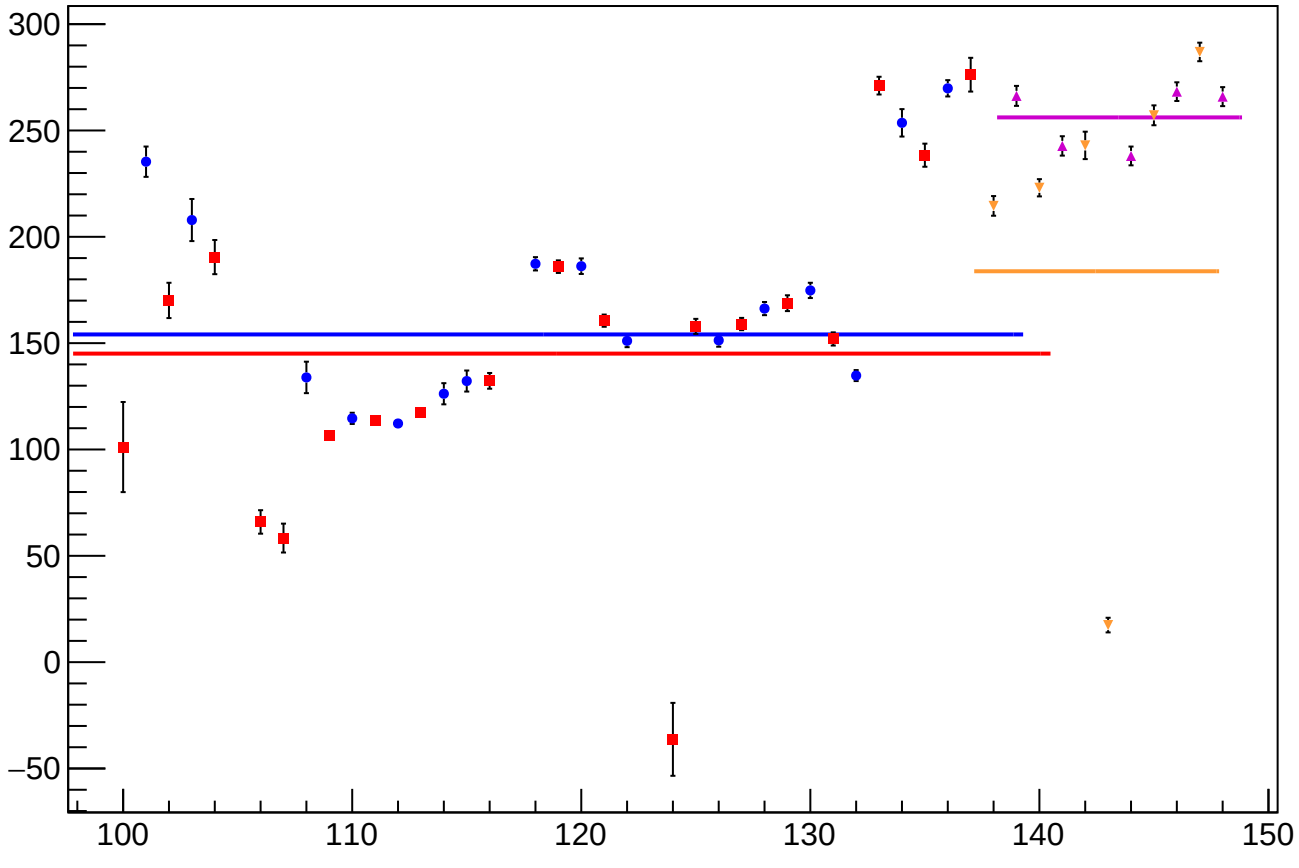
Left: -137.917+/-0.065 χ^2/NDF: 1045465.9/10

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -95.244+/-0.053 χ^2/NDF:1837065.9/20

Out: -77.206+/-0.051 χ^2/NDF:2025294.4/24

All: -85.764+/-0.037 χ^2/NDF: 3922580.7/45



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 183.804+/-1.784 χ^2/NDF:3359.4/5

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 256.147+/-2.013 χ^2/NDF:42.5/4

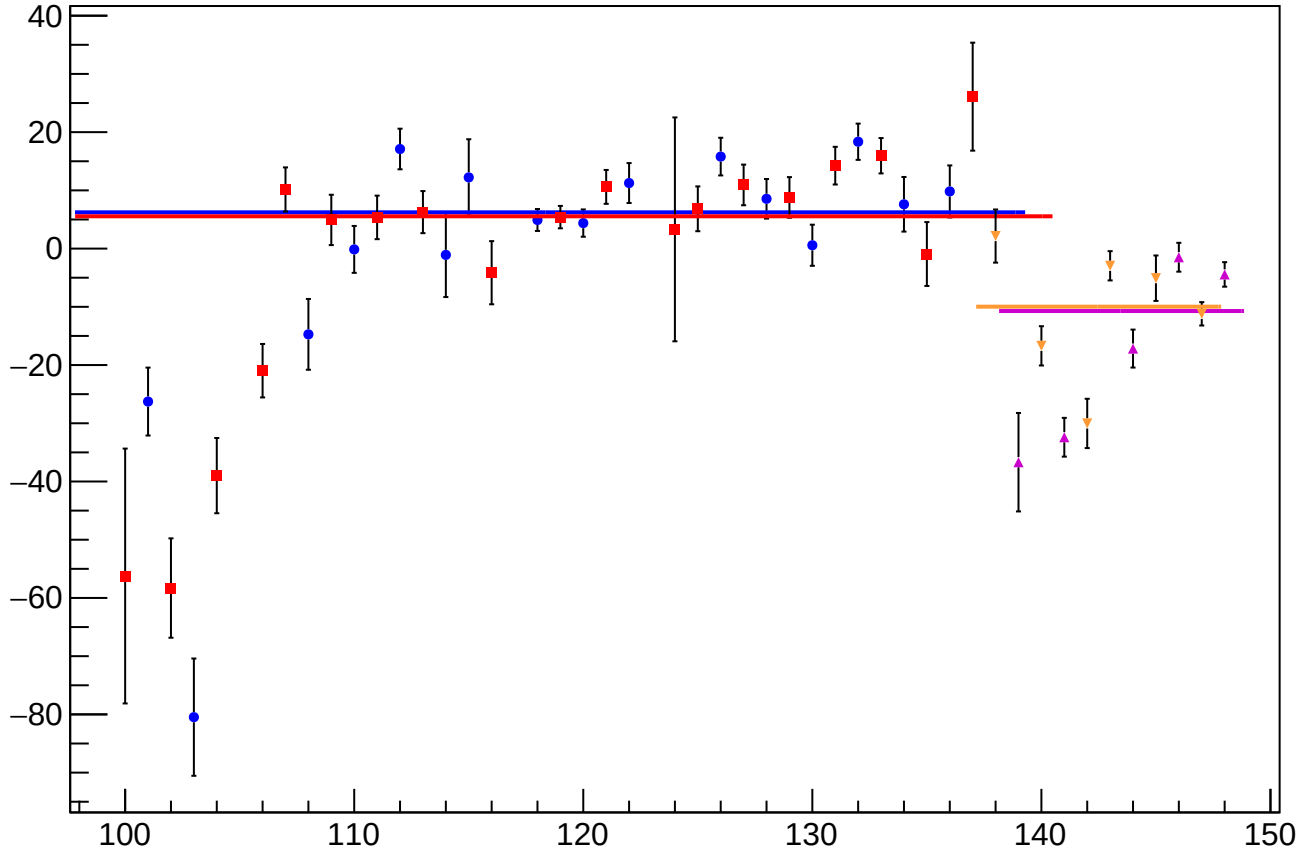
Left: 215.625+/-1.335 χ^2/NDF: 4125.0/10

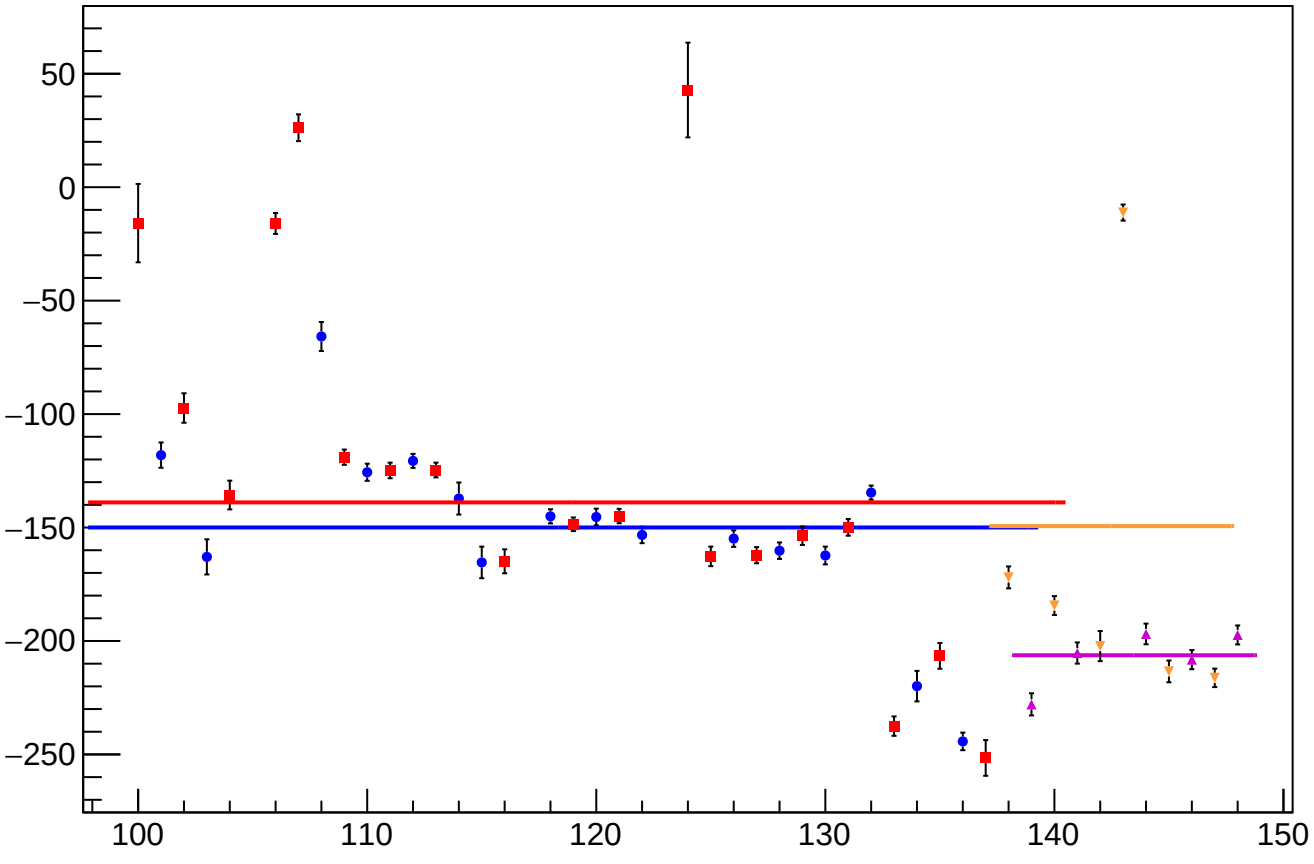
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 170.124+/-0.798 χ^2/NDF:4489.0/20

Out: 151.917+/-0.750 χ^2/NDF:6705.6/24

All: 160.452+/-0.546 χ^2/NDF: 11471.1/45


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -9.973+/-1.227 χ²/NDF:43.2/5
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -10.721+/-1.305 χ²/NDF:78.5/4
Left: -10.324+/-0.894 χ²/NDF: 121.9/10
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.848+/-0.735 χ²/NDF:355.7/20
Out: 0.201+/-0.720 χ²/NDF:329.3/24
All: 0.518+/-0.514 χ²/NDF: 685.4/45



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -149.378+/-1.806 χ^2/NDF:2125.4/5

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -206.291+/-2.002 χ^2/NDF:28.6/4

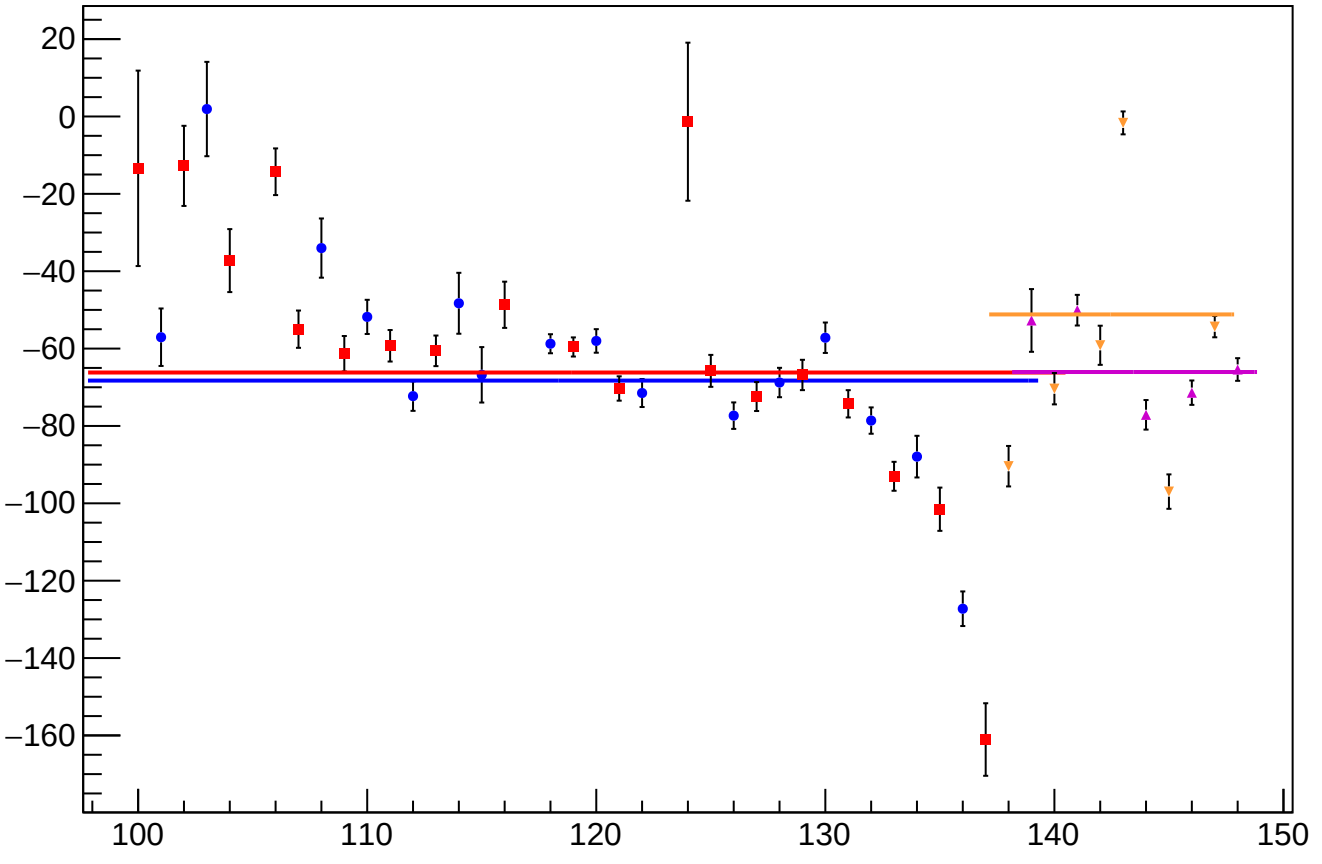
Left: -174.915+/-1.341 χ^2/NDF: 2599.6/10

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -161.680+/-0.913 χ^2/NDF:1755.1/20

Out: -141.344+/-0.870 χ^2/NDF:4902.1/24

All: -151.029+/-0.630 χ^2/NDF: 6917.1/45



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -51.170+/-1.519 χ^2/NDF:467.8/5

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -66.056+/-1.656 χ^2/NDF:30.3/4

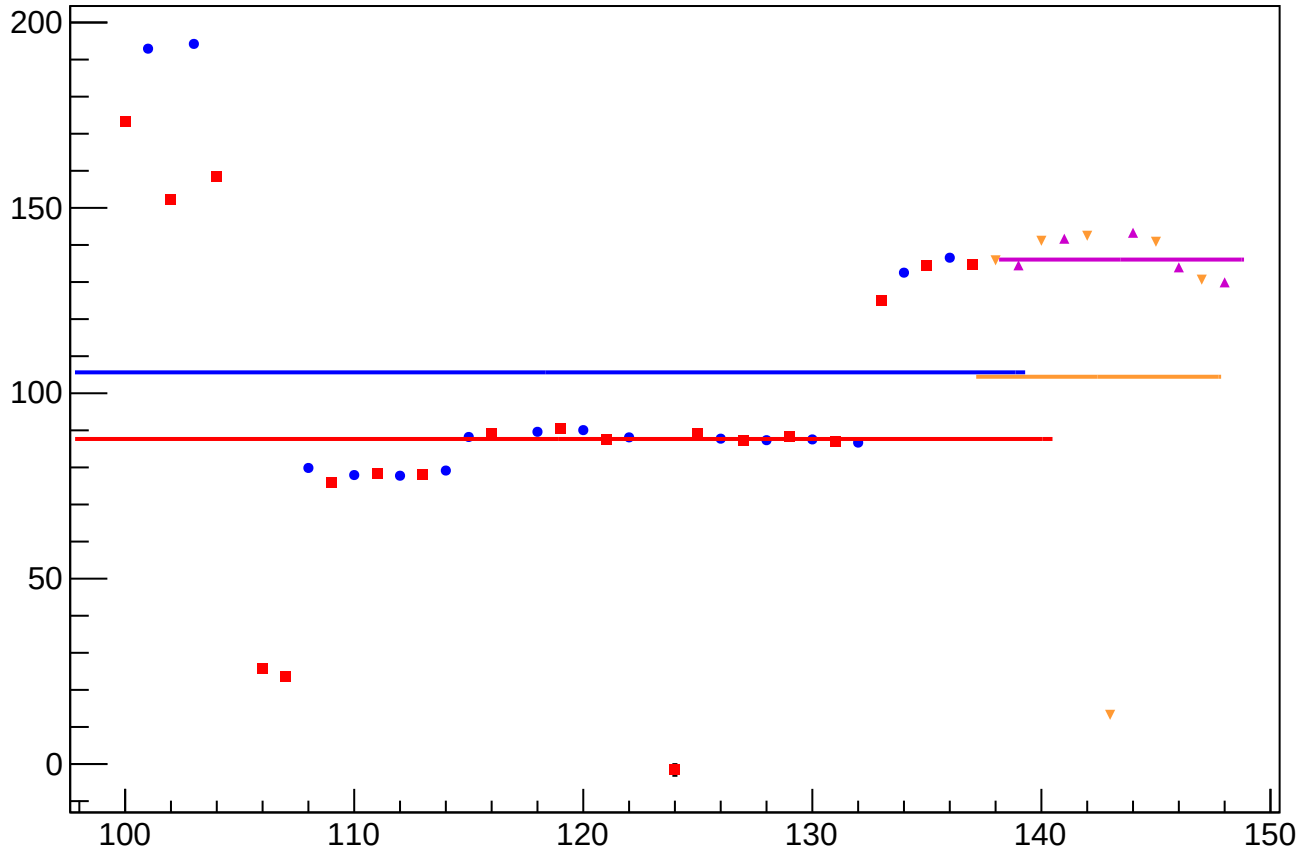
Left: -57.975+/-1.119 χ^2/NDF: 542.0/10

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -67.651+/-0.877 χ^2/NDF:347.0/20

Out: -61.496+/-0.849 χ^2/NDF:893.3/24

All: -64.476+/-0.610 χ^2/NDF: 1265.8/45



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 104.457+/-0.076 χ^2/NDF:526621.0/5

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 136.058+/-0.082 χ^2/NDF:3658.0/4

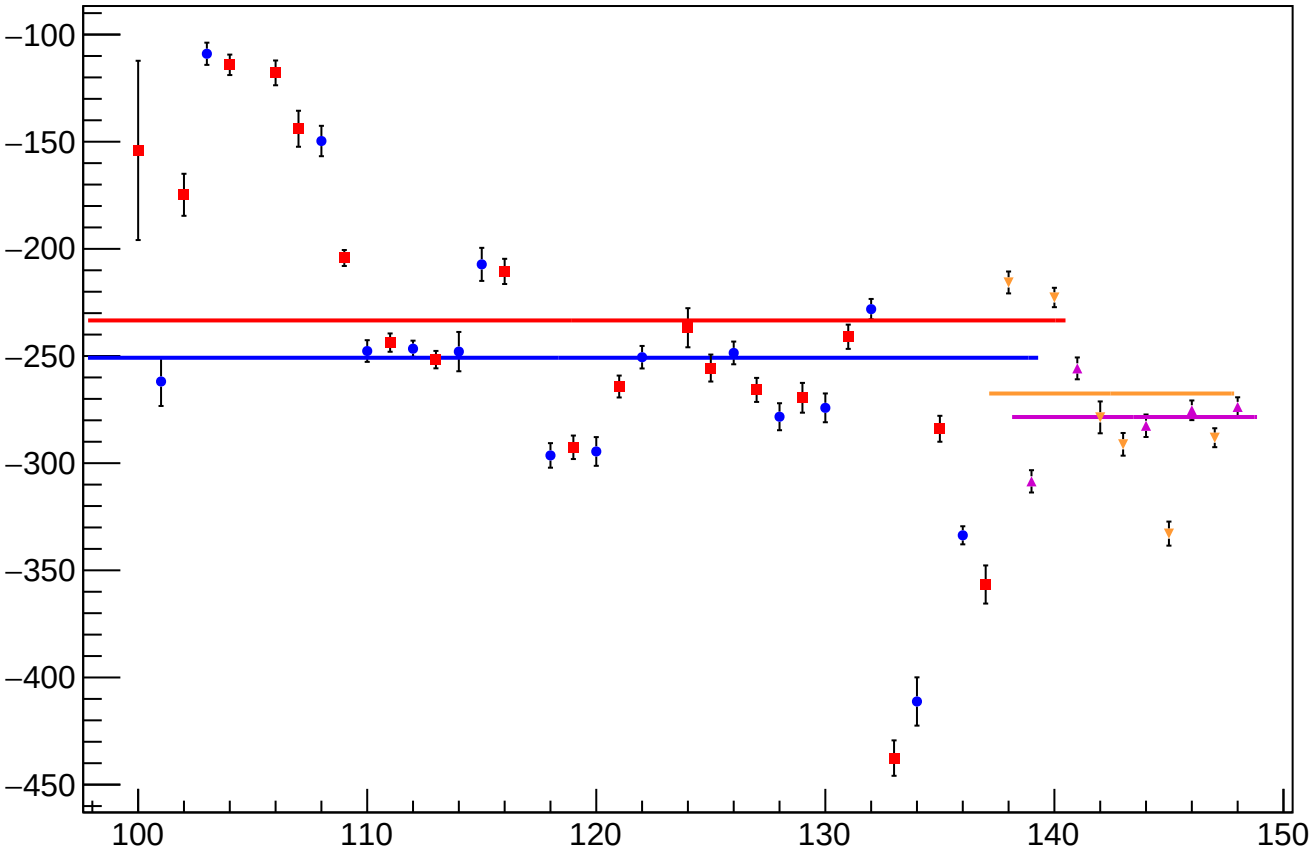
Left: 119.084+/-0.056 χ^2/NDF: 610471.1/10

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 118.677+/-0.054 χ^2/NDF:322314.2/20

Out: 94.851+/-0.050 χ^2/NDF:929052.6/24

All: 105.866+/-0.036 χ^2/NDF: 1357839.8/45



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -267.497+/-2.113 χ^2/NDF:380.7/5

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -278.461+/-2.188 χ^2/NDF:55.3/4

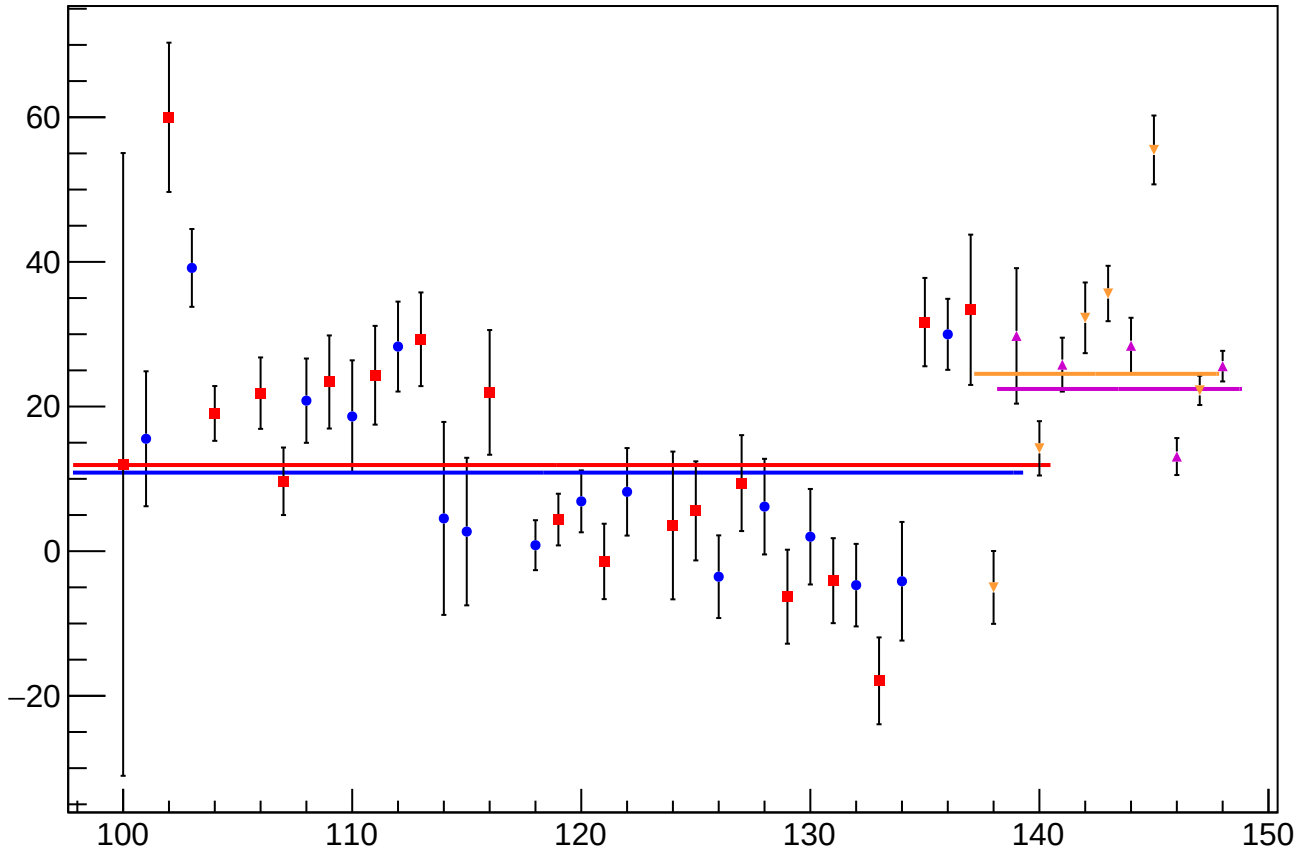
Left: -272.787+/-1.520 χ^2/NDF: 449.0/10

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -259.152+/-1.202 χ^2/NDF:1902.4/20

Out: -243.106+/-1.128 χ^2/NDF:2945.5/24

All: -250.618+/-0.822 χ^2/NDF: 4942.7/45



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 24.521+/-1.404 χ^2/NDF:96.4/5

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 22.429+/-1.378 χ^2/NDF:19.4/4

Left: 23.455+/-0.983 χ^2/NDF: 116.9/10

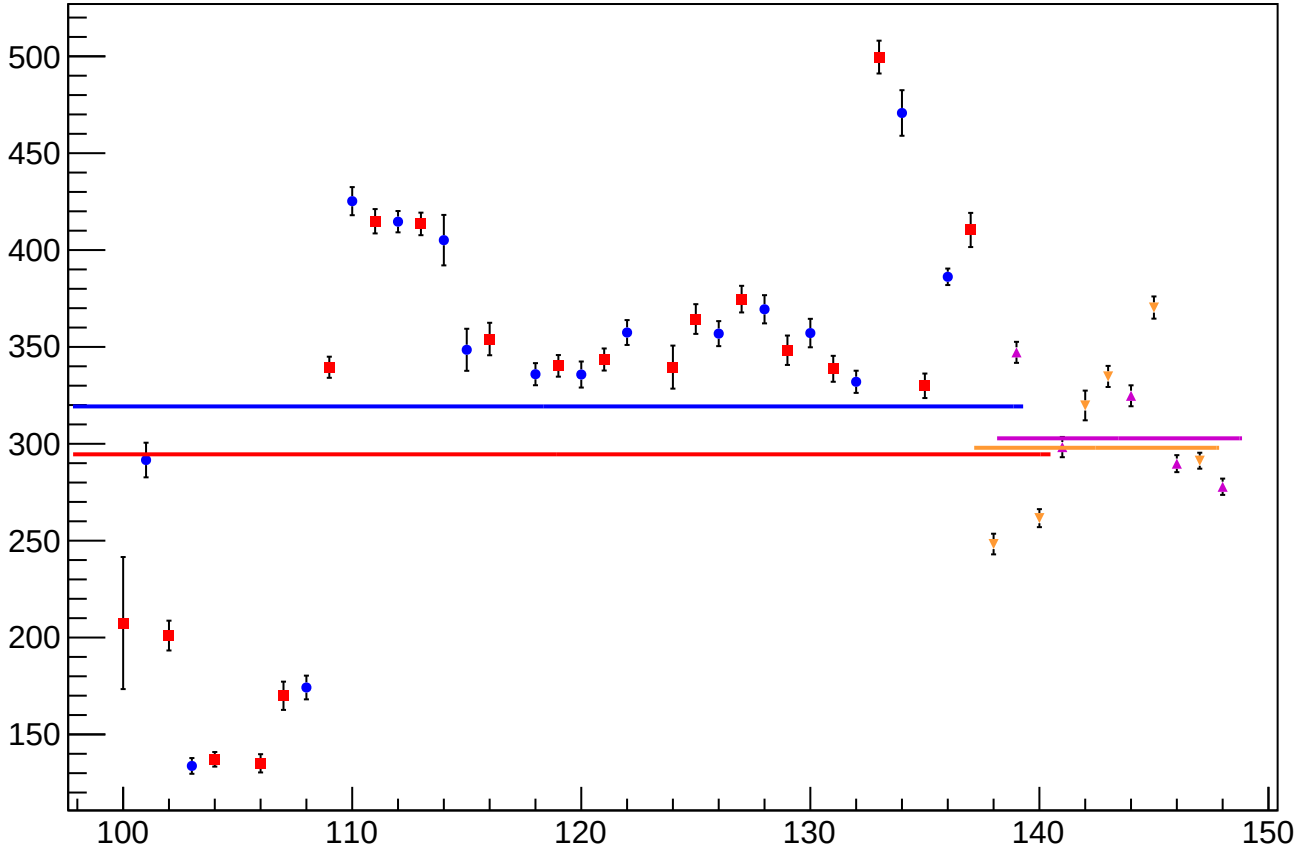
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 17.024+/-1.005 χ^2/NDF:137.0/20

Out: 18.050+/-0.980 χ^2/NDF:249.7/24

All: 17.550+/-0.702 χ^2/NDF: 387.2/45

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 297.943+/-2.124 χ^2/NDF:364.2/5

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 302.828+/-2.165 χ^2/NDF:128.4/4

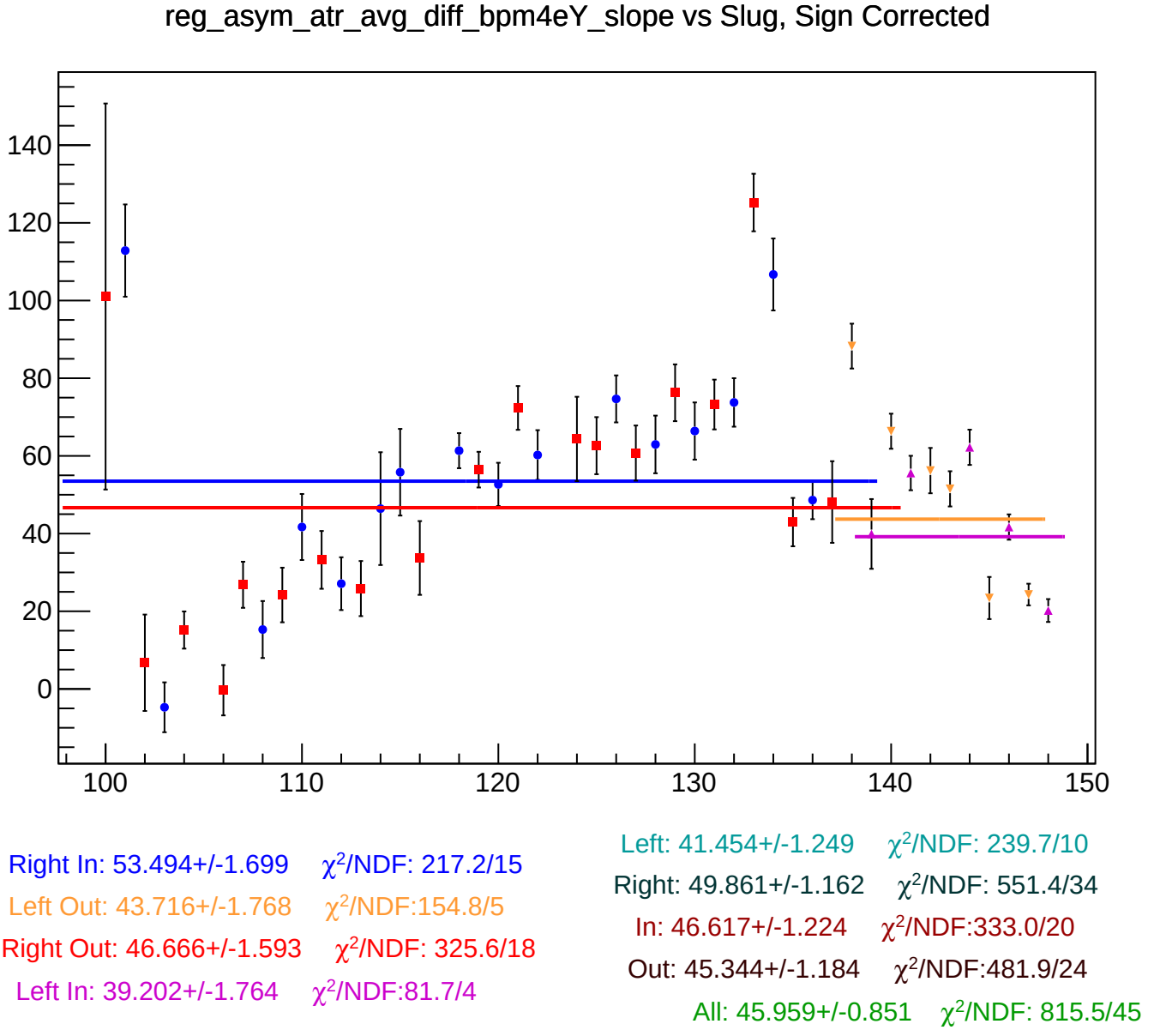
Left: 300.339+/-1.516 χ^2/NDF: 495.2/10

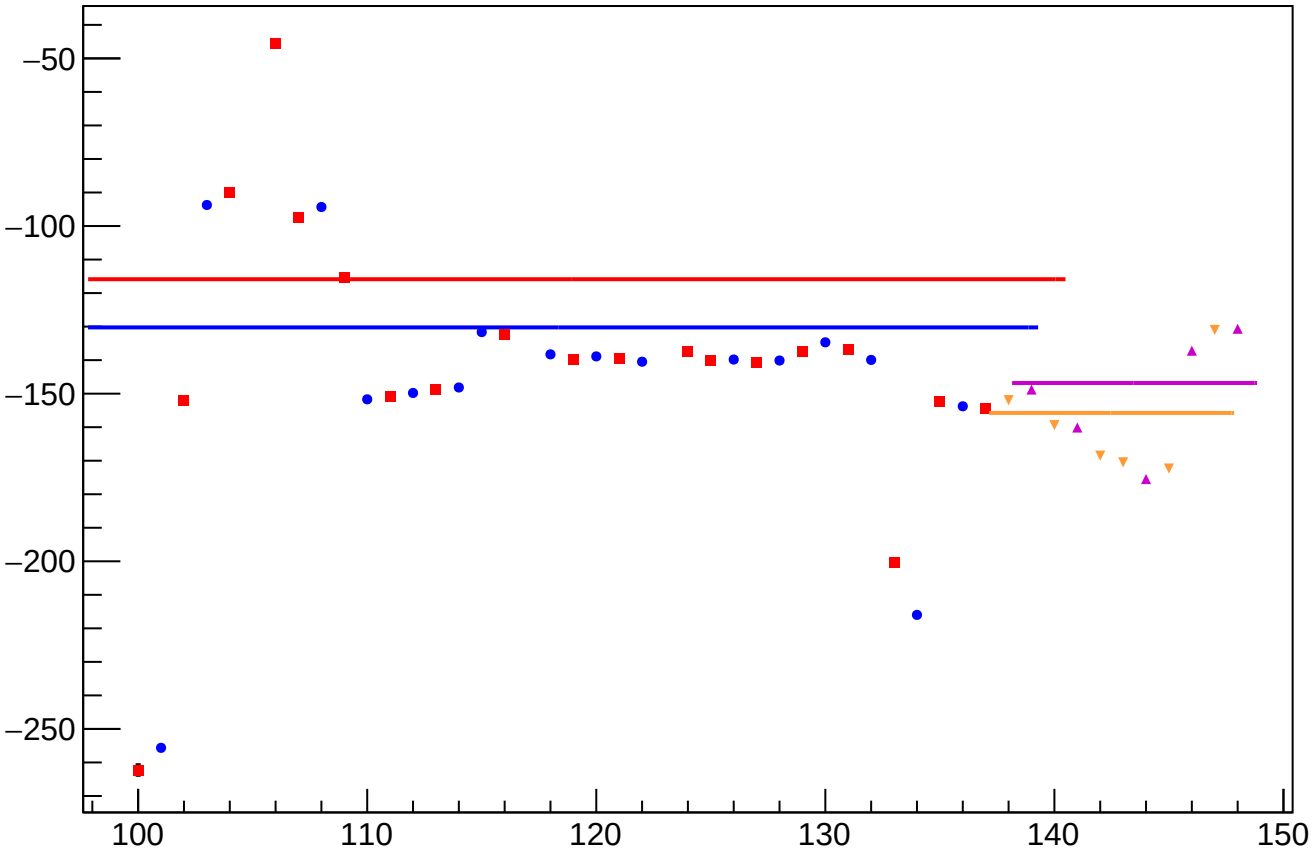
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 313.542+/-1.279 χ^2/NDF:3959.0/20

Out: 295.672+/-1.215 χ^2/NDF:5869.1/24

All: 304.146+/-0.881 χ^2/NDF: 9930.6/45


reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
0
100
110
120
130
140
150
Right In: 53.494+/-1.699 χ²/NDF: 217.2/15
Left Out: 43.716+/-1.768 χ²/NDF:154.8/5
Right Out: 46.666+/-1.593 χ²/NDF: 325.6/18
Left In: 39.202+/-1.764 χ²/NDF:81.7/4
Left: 41.454+/-1.249 χ²/NDF: 239.7/10
Right: 49.861+/-1.162 χ²/NDF: 551.4/34
In: 46.617+/-1.224 χ²/NDF:333.0/20
Out: 45.344+/-1.184 χ²/NDF:481.9/24
All: 45.959+/-0.851 χ²/NDF: 815.5/45



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -155.748+/-0.090 χ^2/NDF:30103.6/5

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -146.815+/-0.088 χ^2/NDF:29582.2/4

Left: -151.205+/-0.063 χ^2/NDF: 64710.3/10

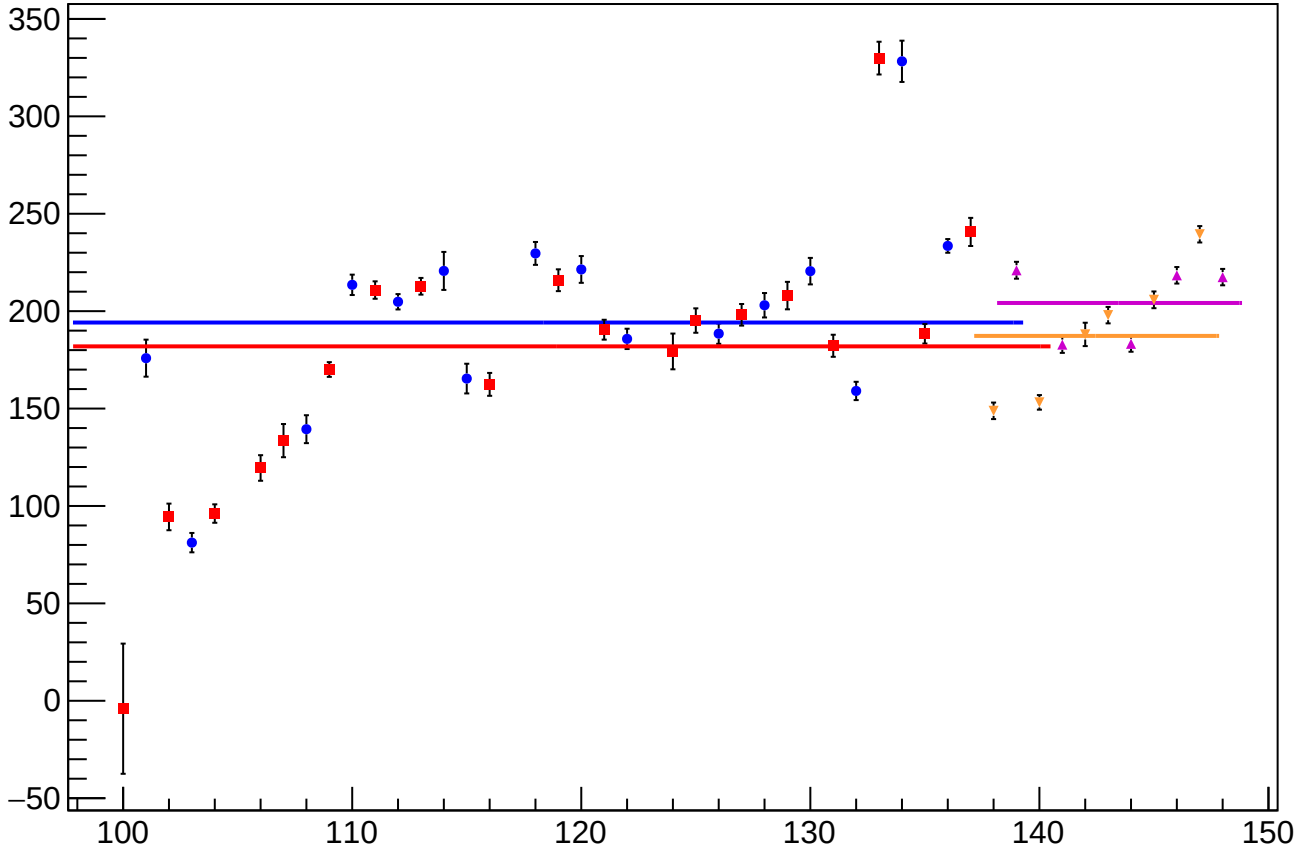
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -138.779+/-0.063 χ^2/NDF:220863.6/20

Out: -134.864+/-0.062 χ^2/NDF:339126.5/24

All: -136.778+/-0.044 χ^2/NDF: 561938.2/45

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: 187.297+/-1.764 χ^2/NDF:343.7/5

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 204.205+/-1.889 χ^2/NDF:87.7/4

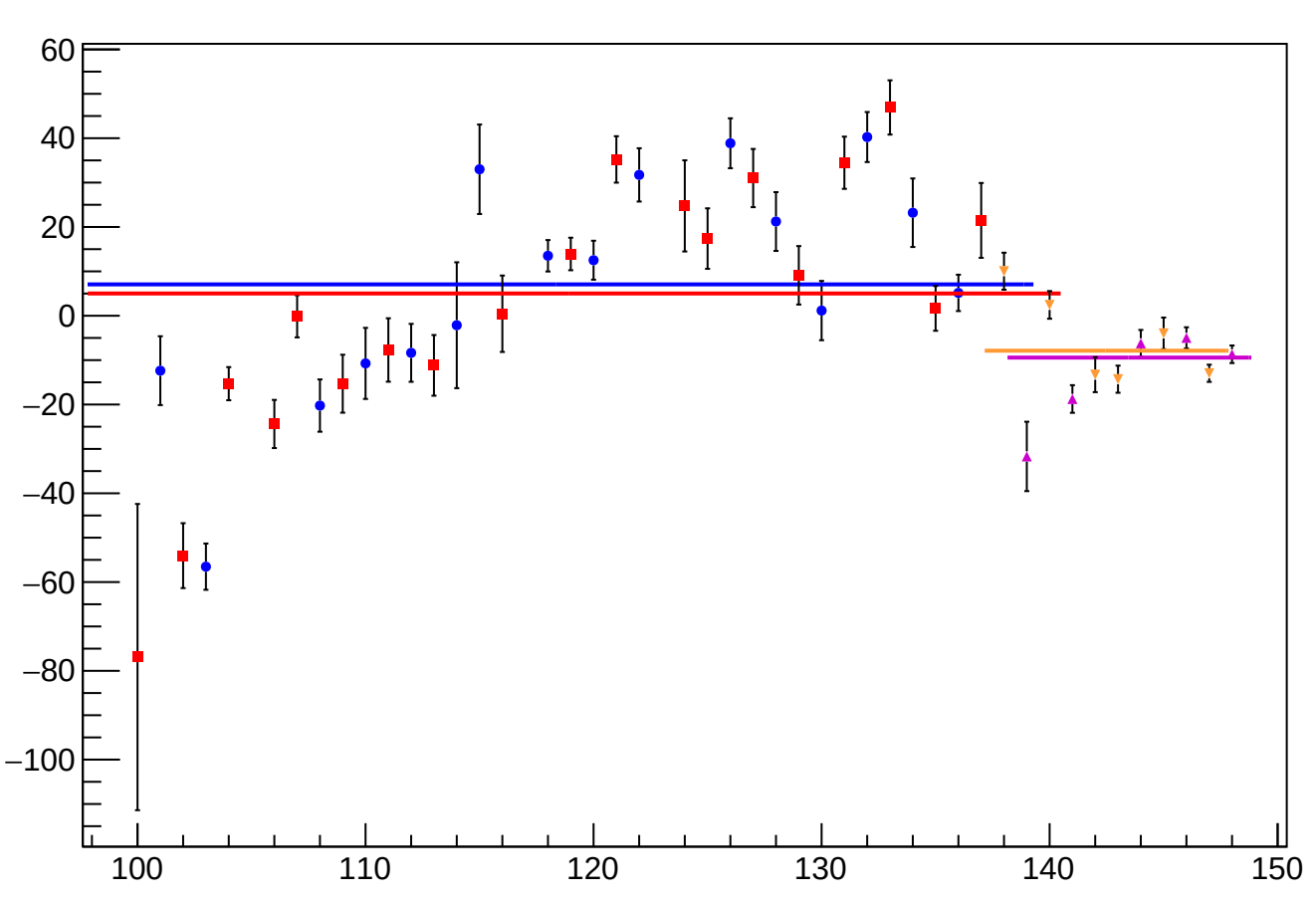
Left: 195.176+/-1.289 χ^2/NDF: 474.1/10

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 197.747+/-1.128 χ^2/NDF:1141.0/20

Out: 183.858+/-1.058 χ^2/NDF:1554.4/24

All: 190.357+/-0.772 χ^2/NDF: 2776.1/45



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -7.871+/-1.214 χ^2/NDF:43.8/5

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -9.425+/-1.230 χ^2/NDF:21.9/4

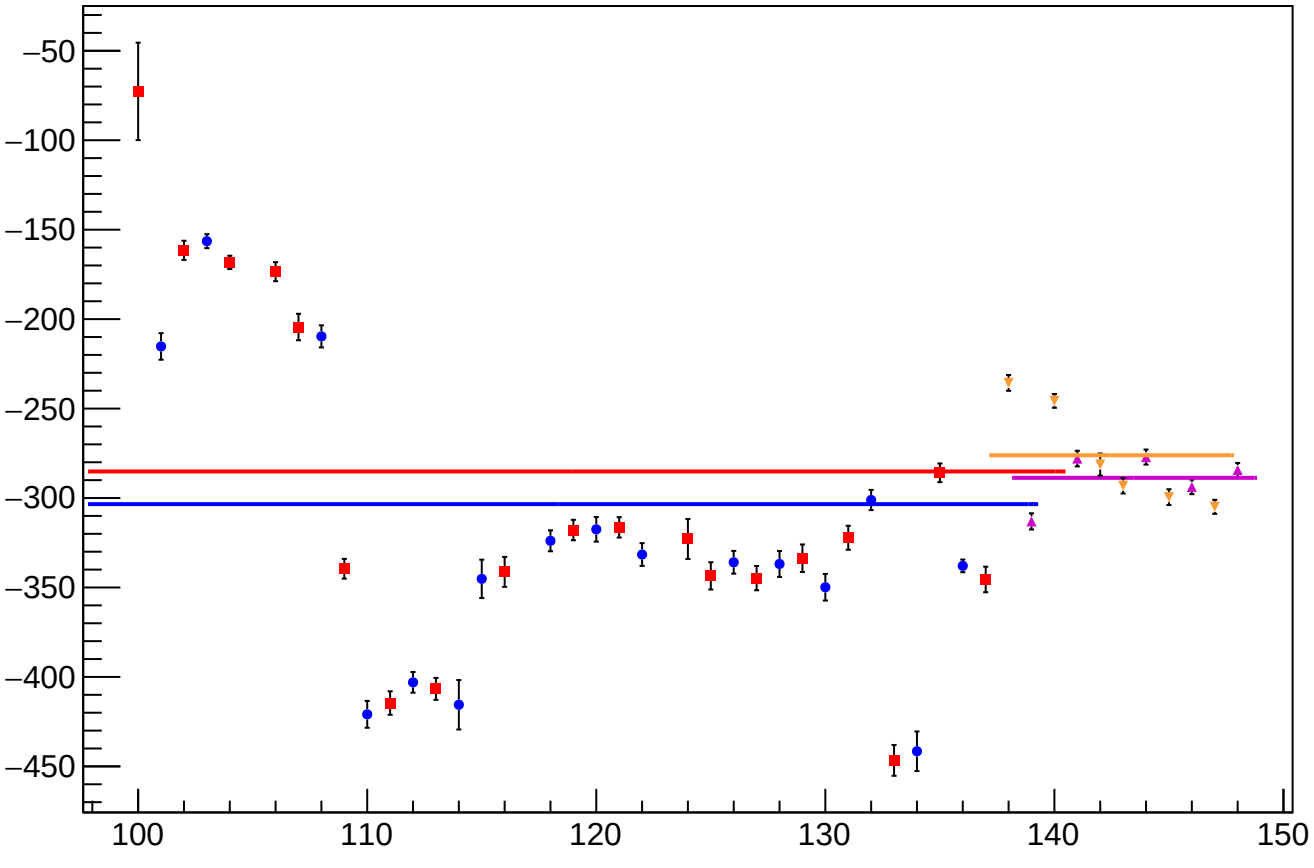
Left: -8.638+/-0.864 χ^2/NDF: 66.5/10

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -2.481+/-0.936 χ^2/NDF:390.1/20

Out: -2.131+/-0.904 χ^2/NDF:382.5/24

All: -2.300+/-0.650 χ^2/NDF: 772.7/45



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.092+/-1.785 χ^2/NDF:243.9/5

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -288.706+/-1.879 χ^2/NDF:45.5/4

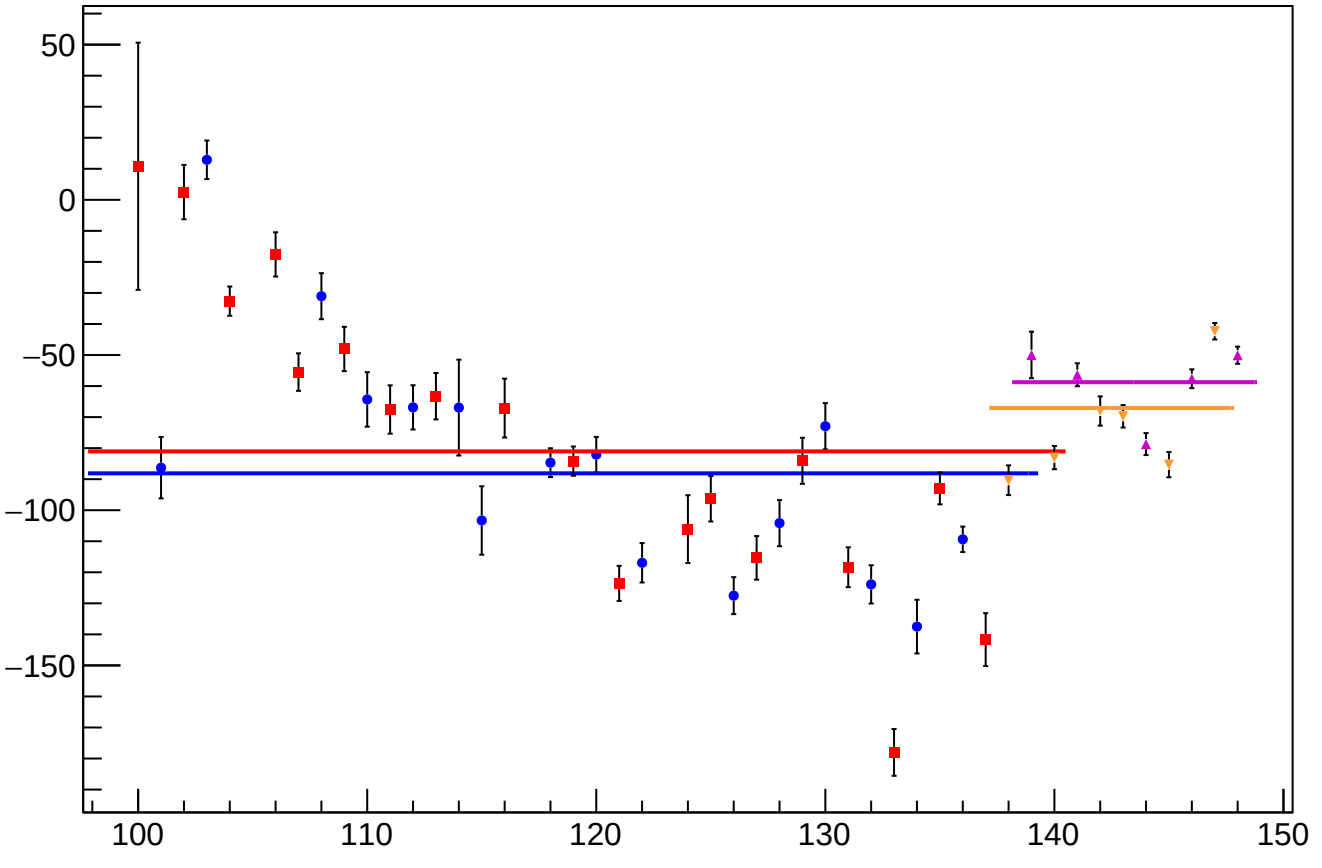
Left: -282.073+/-1.294 χ^2/NDF: 313.1/10

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -297.548+/-1.187 χ^2/NDF:2867.8/20

Out: -281.545+/-1.126 χ^2/NDF:4014.2/24

All: -289.127+/-0.817 χ^2/NDF: 6977.8/45



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -67.056+/-1.509 χ^2/NDF:149.5/5

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -58.750+/-1.560 χ^2/NDF:43.6/4

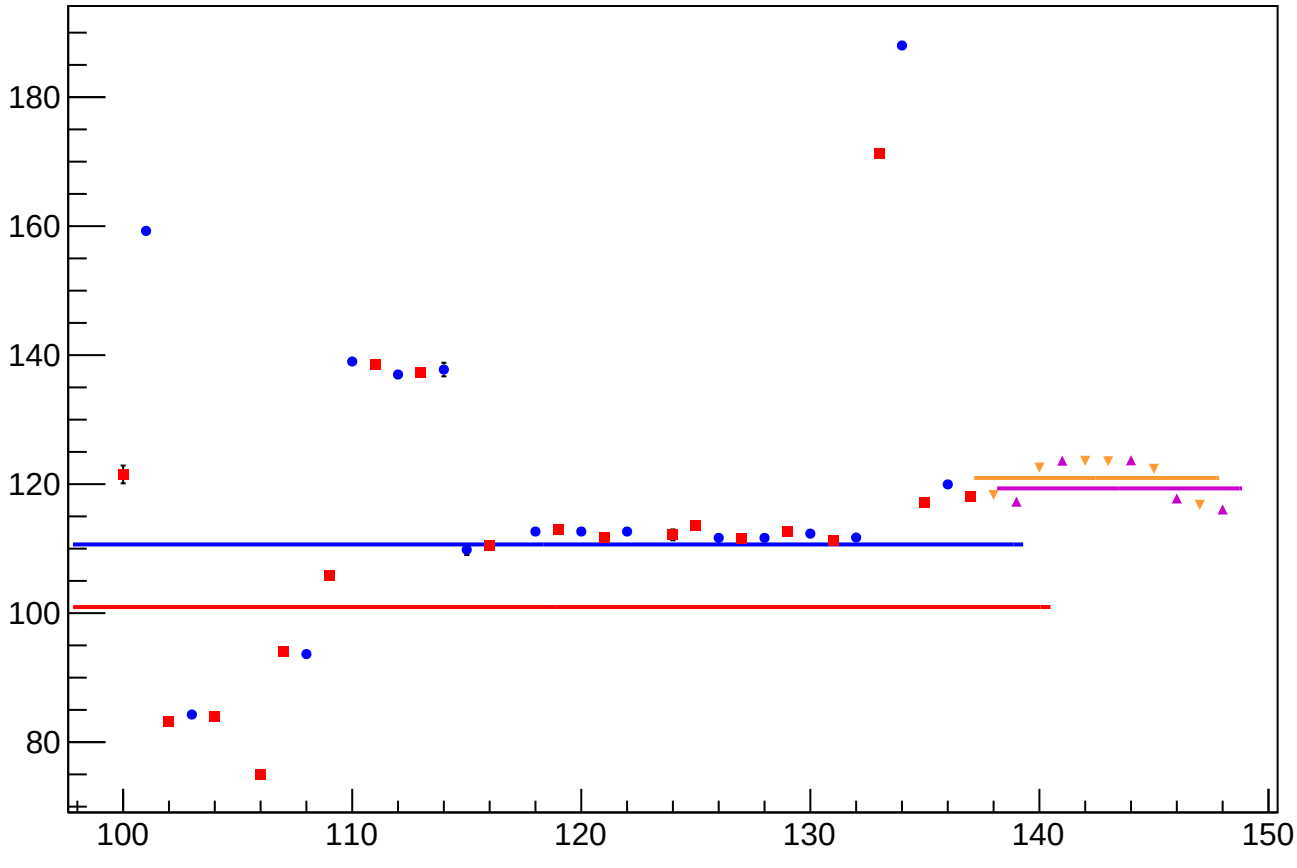
Left: -63.040+/-1.085 χ^2/NDF: 207.7/10

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -72.566+/-1.135 χ^2/NDF:722.3/20

Out: -73.779+/-1.088 χ^2/NDF:868.3/24

All: -73.199+/-0.785 χ^2/NDF: 1591.2/45



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 120.959+/-0.075 χ^2/NDF:1257.4/5

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 119.338+/-0.077 χ^2/NDF:1776.2/4

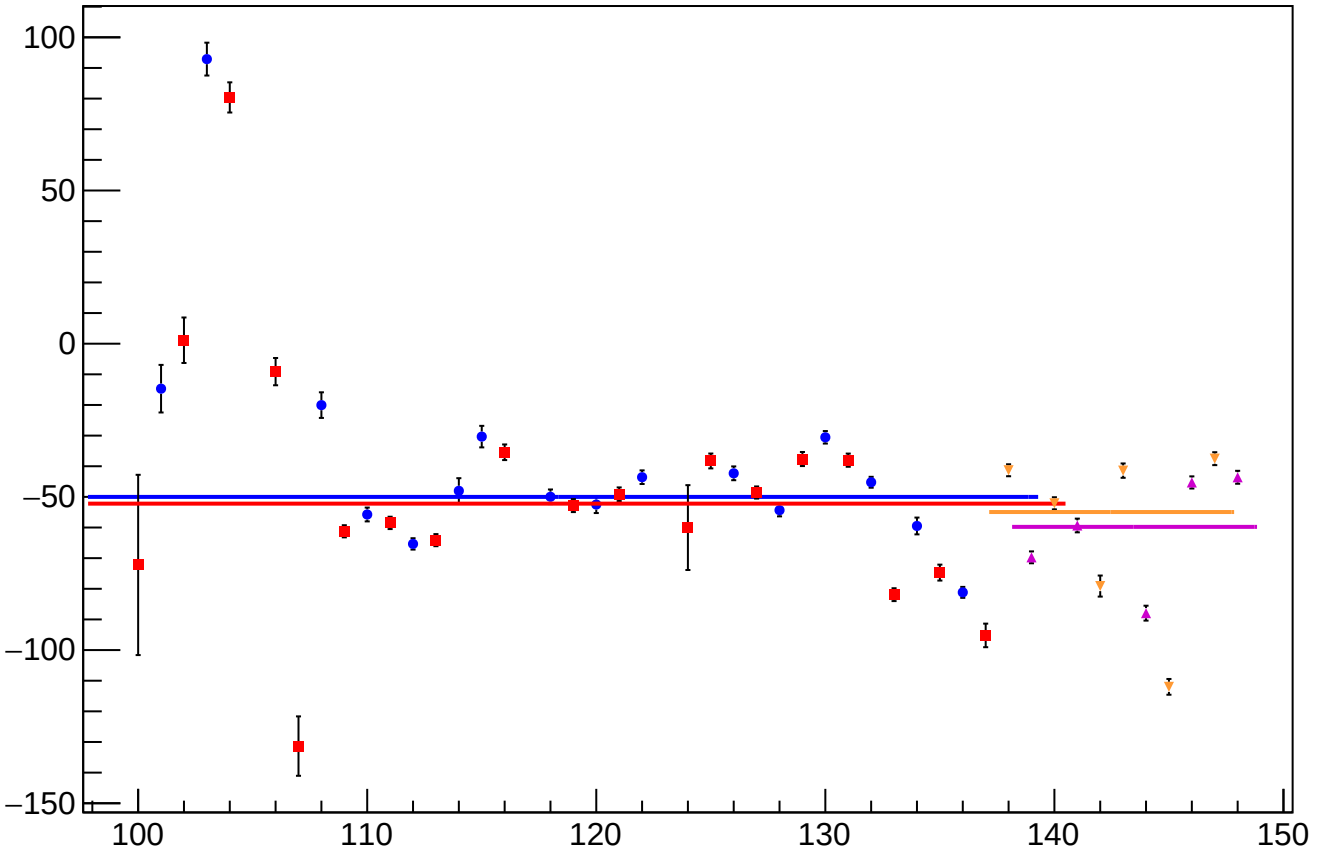
Left: 120.165+/-0.054 χ^2/NDF: 3261.8/10

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.481+/-0.057 χ^2/NDF:90994.6/20

Out: 111.701+/-0.055 χ^2/NDF:96076.3/24

All: 113.520+/-0.040 χ^2/NDF: 189337.1/45



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -54.942+/-0.929 χ^2/NDF:693.7/5

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -59.787+/-0.948 χ^2/NDF:272.5/4

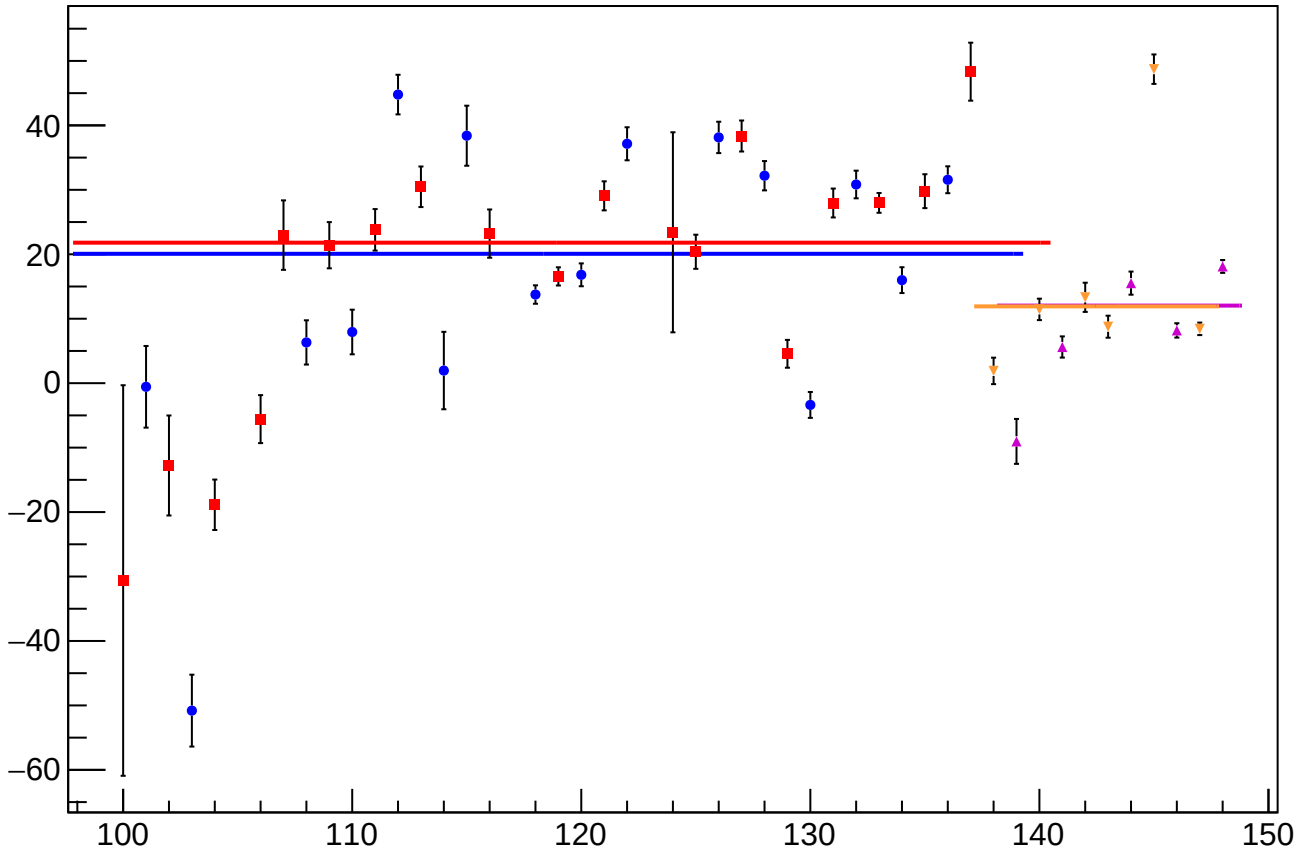
Left: -57.316+/-0.664 χ^2/NDF: 979.5/10

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -52.869+/-0.513 χ^2/NDF:1675.1/20

Out: -53.021+/-0.507 χ^2/NDF:2270.1/24

All: -52.946+/-0.361 χ^2/NDF: 3945.2/45



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.916+/-0.647 χ^2/NDF:299.9/5

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 12.036+/-0.624 χ^2/NDF:104.5/4

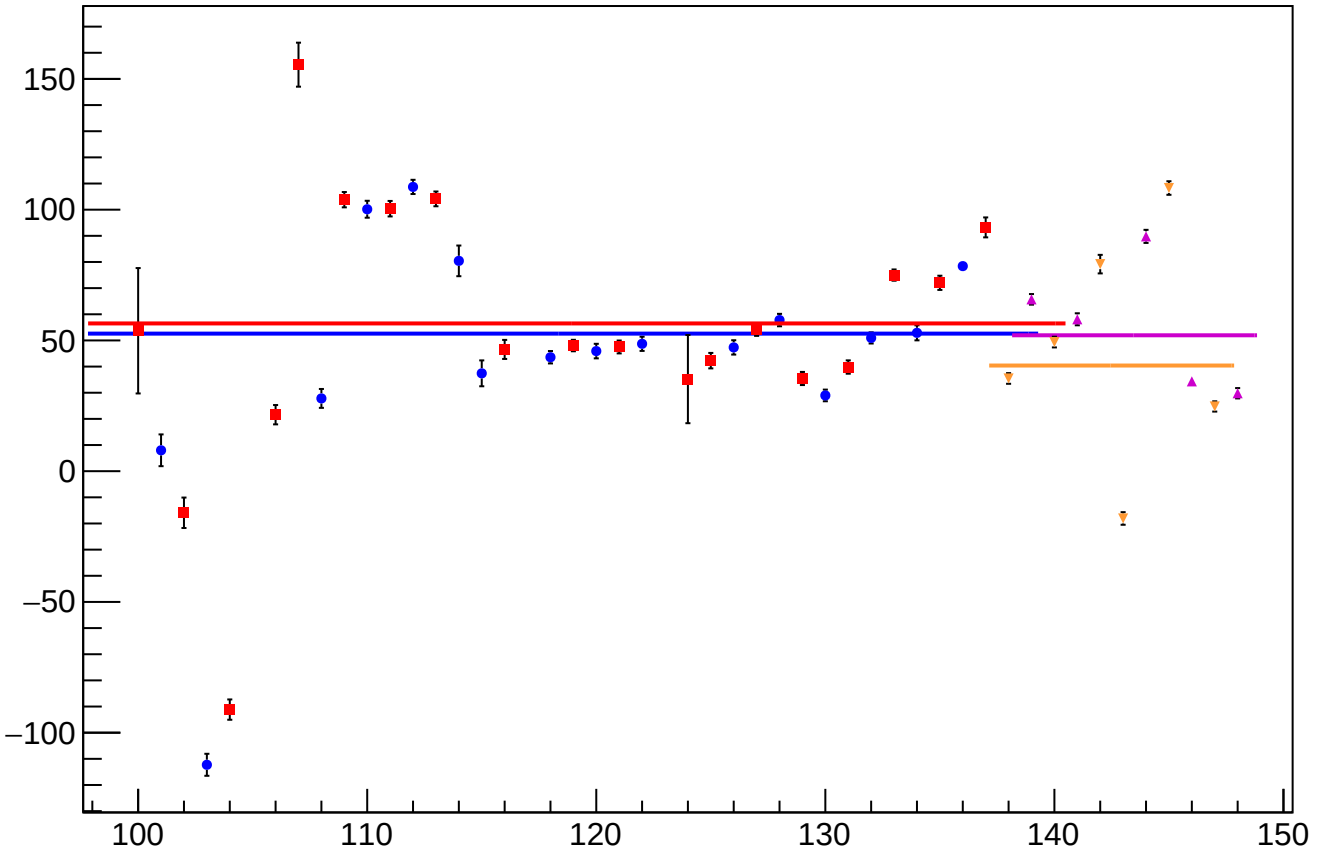
Left: 11.978+/-0.449 χ^2/NDF: 404.4/10

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 16.130+/-0.437 χ^2/NDF:825.3/20

Out: 17.052+/-0.448 χ^2/NDF:817.5/24

All: 16.579+/-0.313 χ^2/NDF: 1645.0/45



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 40.401+/-0.937 χ^2/NDF:1480.5/5

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 51.967+/-0.943 χ^2/NDF:493.1/4

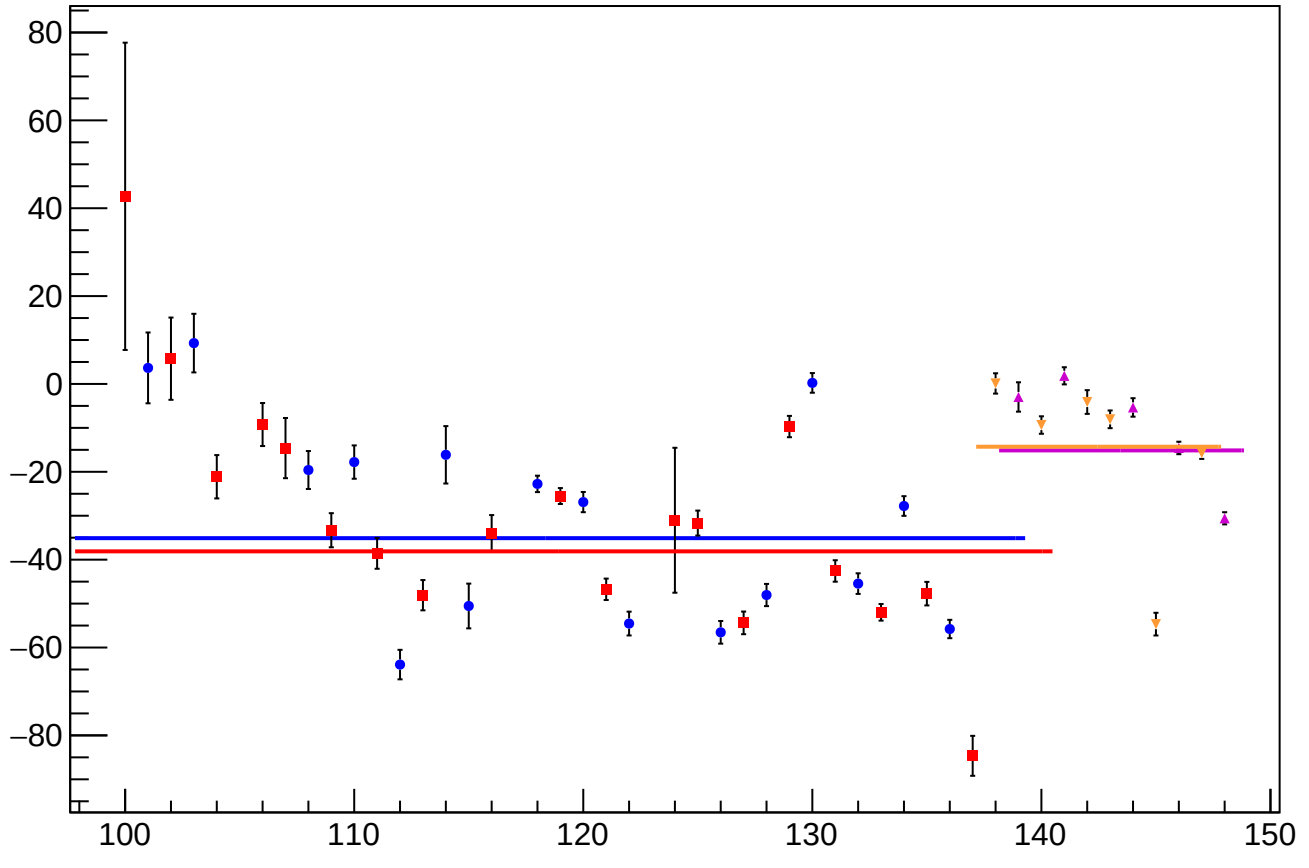
Left: 46.152+/-0.665 χ^2/NDF: 2049.3/10

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 52.379+/-0.560 χ^2/NDF:3152.8/20

Out: 50.678+/-0.564 χ^2/NDF:4634.3/24

All: 51.534+/-0.397 χ^2/NDF: 7791.7/45



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.291+/-0.806 χ^2/NDF:314.3/5

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.130+/-0.792 χ^2/NDF:234.8/4

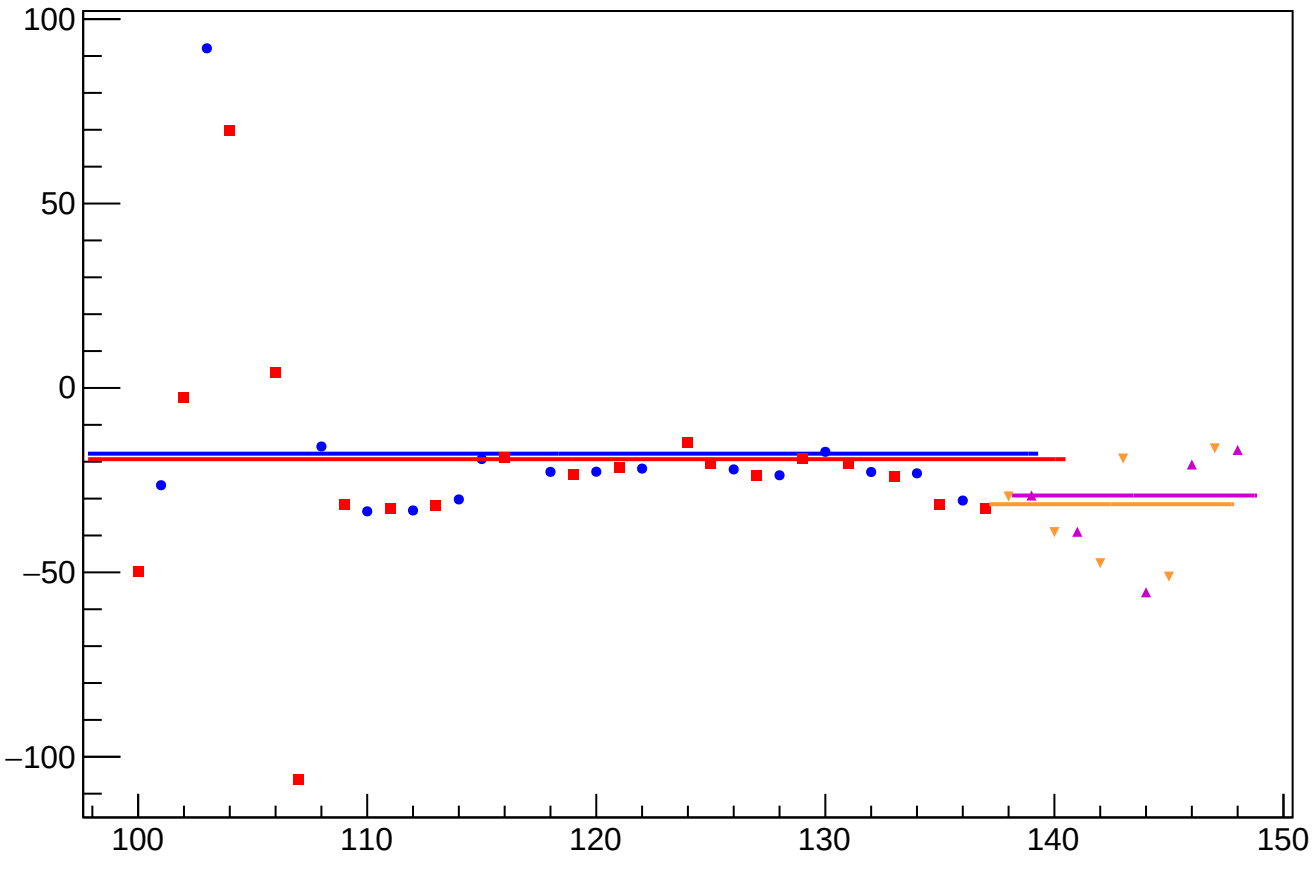
Left: -14.717+/-0.565 χ^2/NDF: 549.7/10

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -26.348+/-0.525 χ^2/NDF:1364.8/20

Out: -27.642+/-0.534 χ^2/NDF:1318.2/24

All: -26.983+/-0.374 χ^2/NDF: 2686.0/45



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -31.522+/-0.039 χ^2/NDF:102143.9/5

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -29.161+/-0.038 χ^2/NDF:100012.7/4

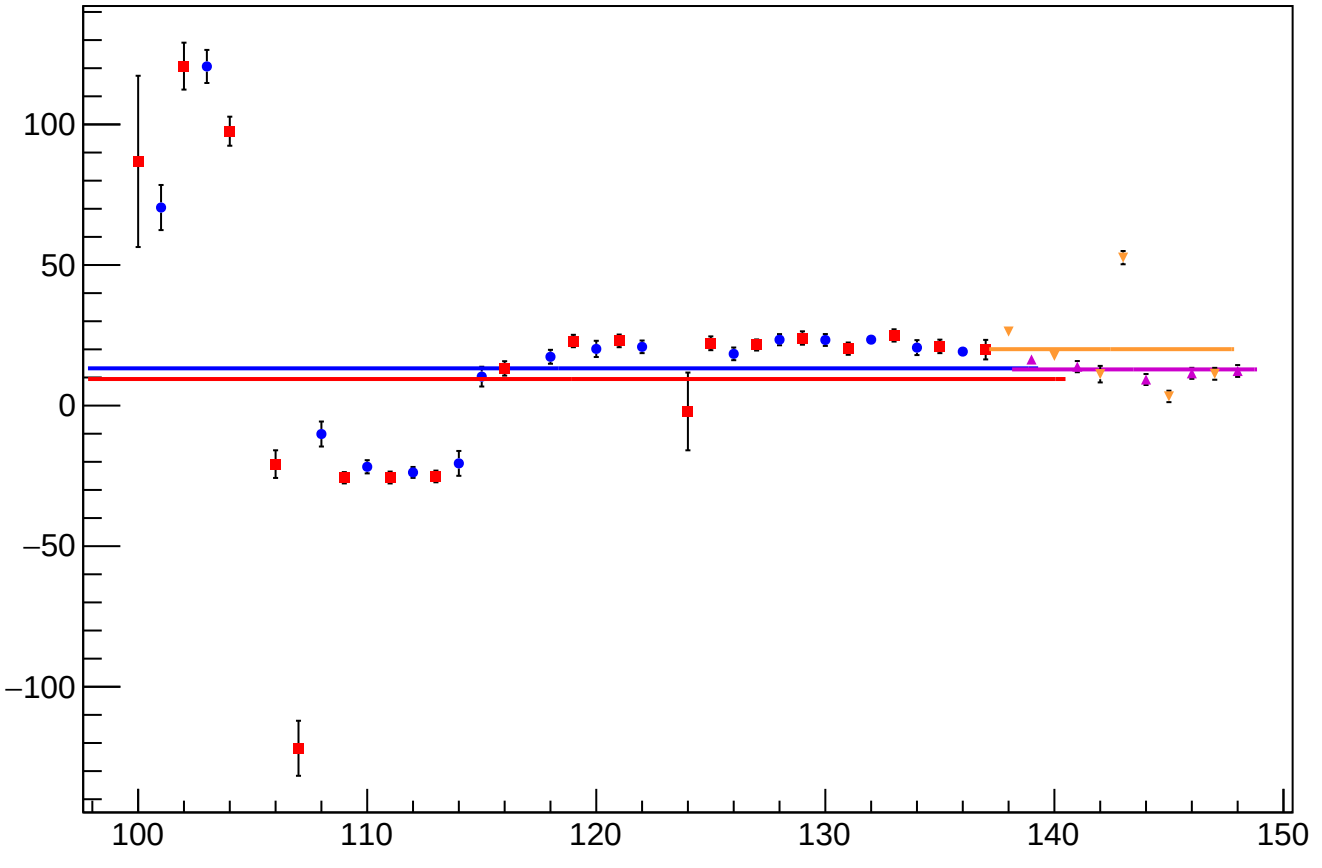
Left: -30.305+/-0.027 χ^2/NDF: 204026.2/10

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -24.217+/-0.029 χ^2/NDF:564963.2/20

Out: -26.394+/-0.030 χ^2/NDF:487492.1/24

All: -25.256+/-0.021 χ^2/NDF: 1055232.4/45



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 20.067+/-0.845 χ^2/NDF:298.8/5

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.871+/-0.864 χ^2/NDF:8.4/4

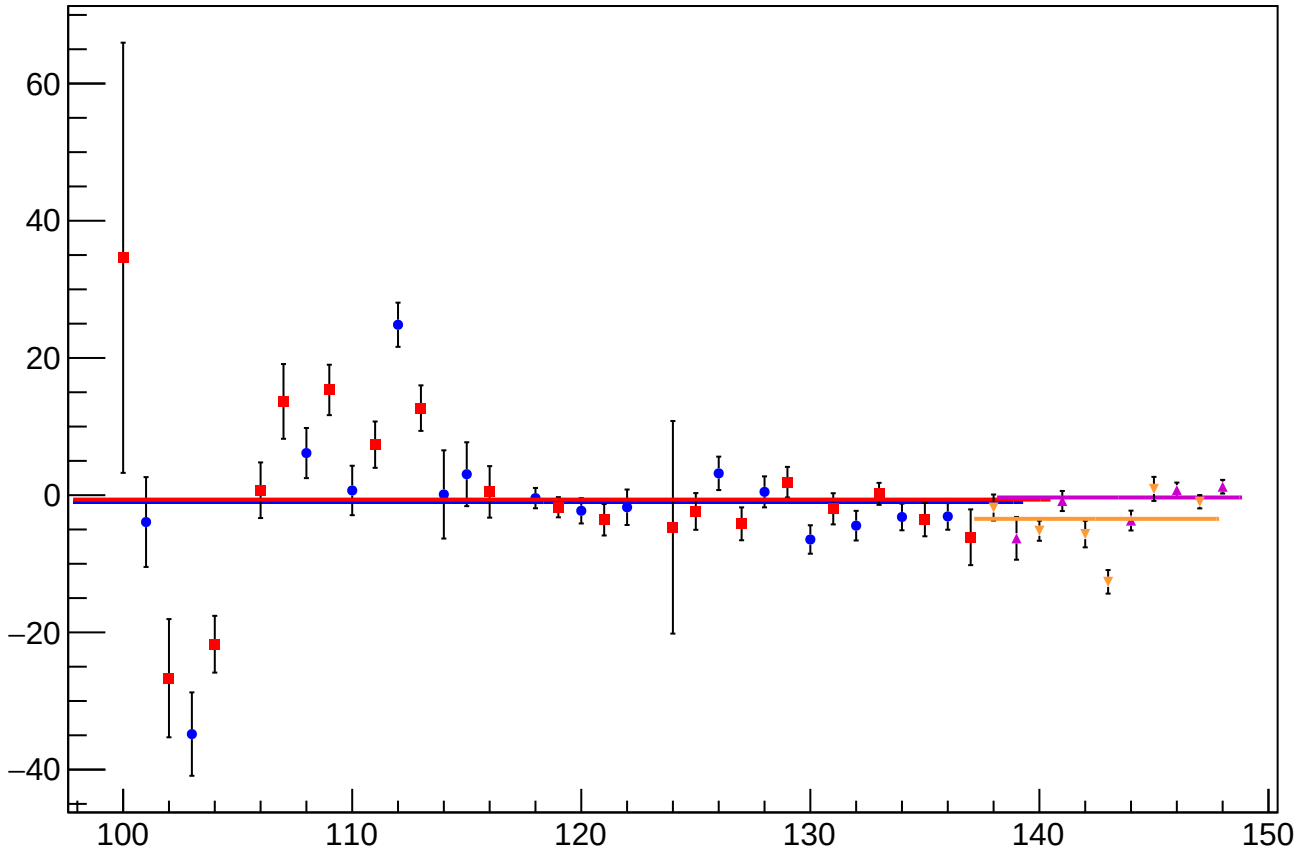
Left: 16.549+/-0.604 χ^2/NDF: 342.6/10

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.123+/-0.501 χ^2/NDF:1191.0/20

Out: 13.125+/-0.497 χ^2/NDF:2238.6/24

All: 13.124+/-0.353 χ^2/NDF: 3429.6/45



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -3.448+/-0.605 χ^2/NDF:44.7/5

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.338+/-0.590 χ^2/NDF:12.6/4

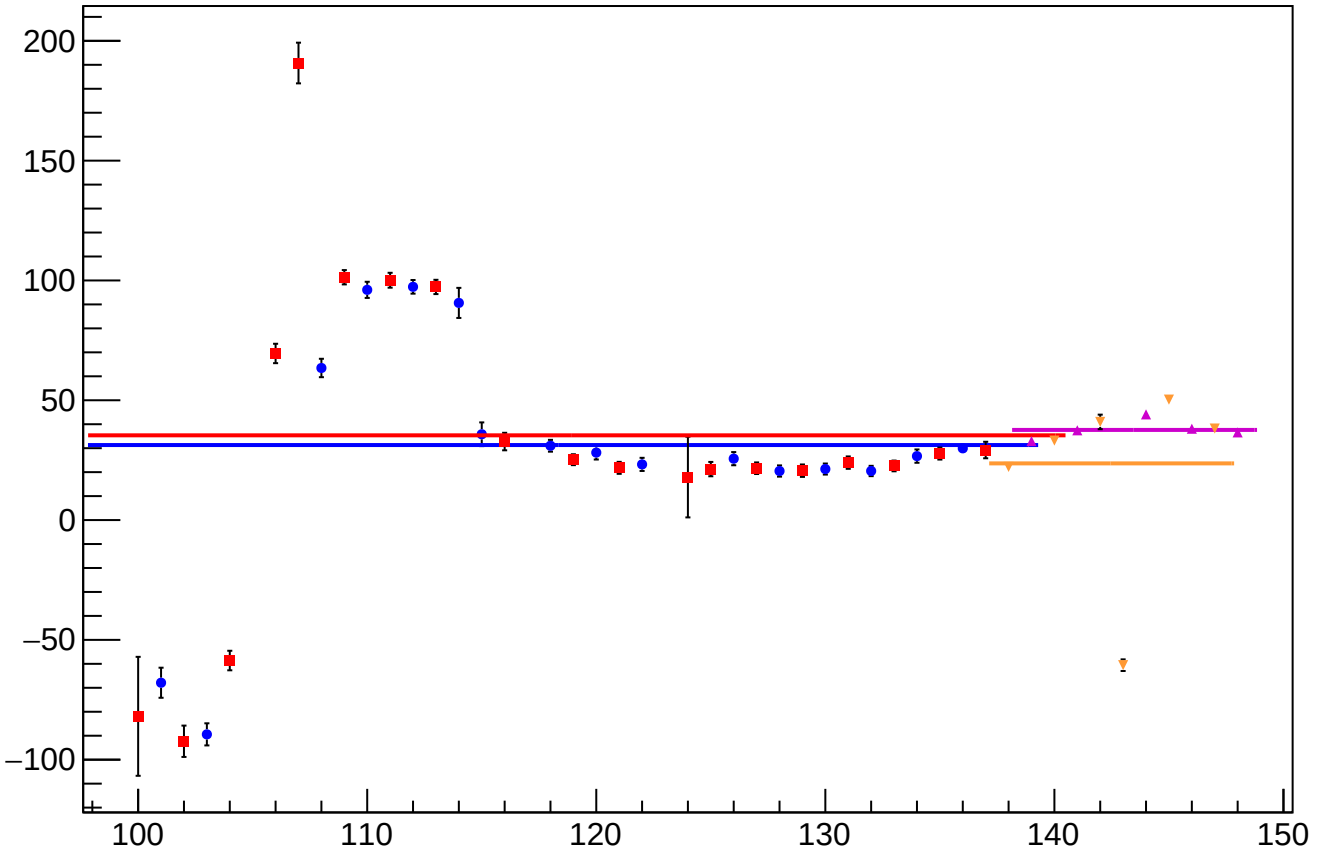
Left: -1.852+/-0.422 χ^2/NDF: 70.9/10

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.650+/-0.427 χ^2/NDF:129.5/20

Out: -2.114+/-0.438 χ^2/NDF:149.2/24

All: -1.363+/-0.306 χ^2/NDF: 284.5/45



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 23.654+/-0.856 χ^2/NDF:1484.1/5

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.621+/-0.864 χ^2/NDF:17.5/4

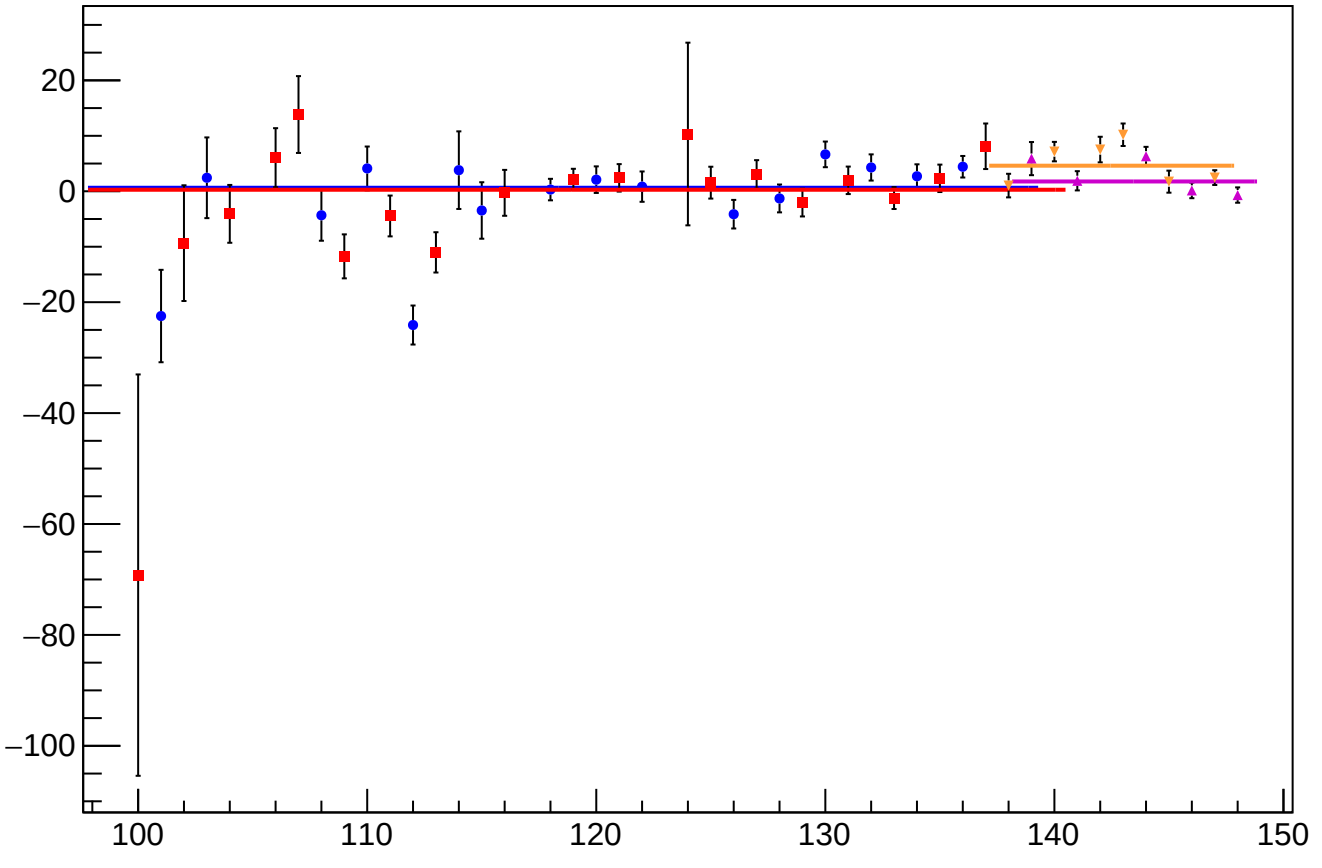
Left: 30.576+/-0.608 χ^2/NDF: 1633.5/10

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.812+/-0.544 χ^2/NDF:2135.6/20

Out: 30.538+/-0.550 χ^2/NDF:4491.7/24

All: 32.192+/-0.387 χ^2/NDF: 6645.2/45



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 4.612+/-0.747 χ^2/NDF:18.8/5

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.767+/-0.741 χ^2/NDF:13.6/4

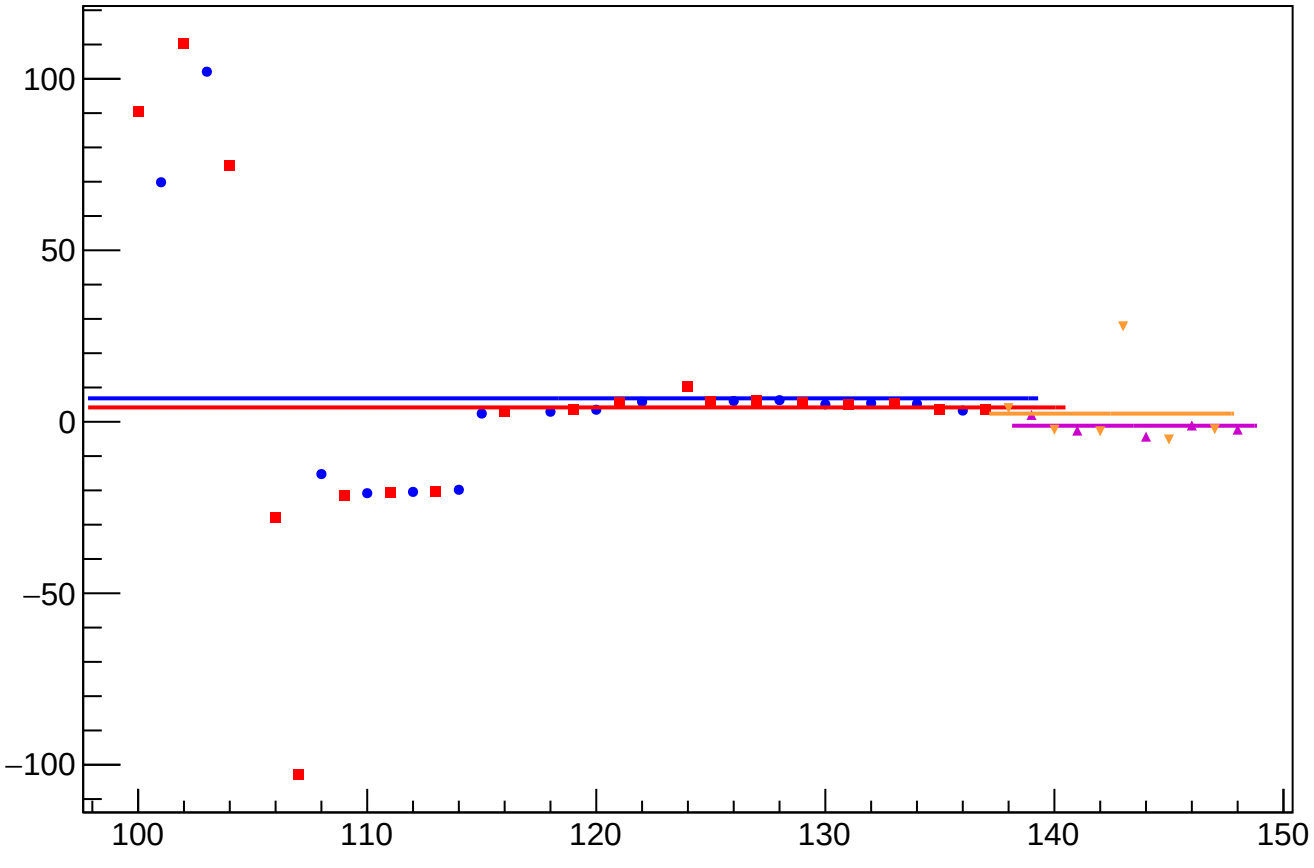
Left: 3.178+/-0.526 χ^2/NDF: 39.7/10

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.171+/-0.511 χ^2/NDF:93.2/20

Out: 2.382+/-0.521 χ^2/NDF:76.6/24

All: 1.765+/-0.365 χ^2/NDF: 172.6/45



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 2.383+/-0.036 χ^2/NDF:80602.7/5

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.146+/-0.035 χ^2/NDF:4134.9/4

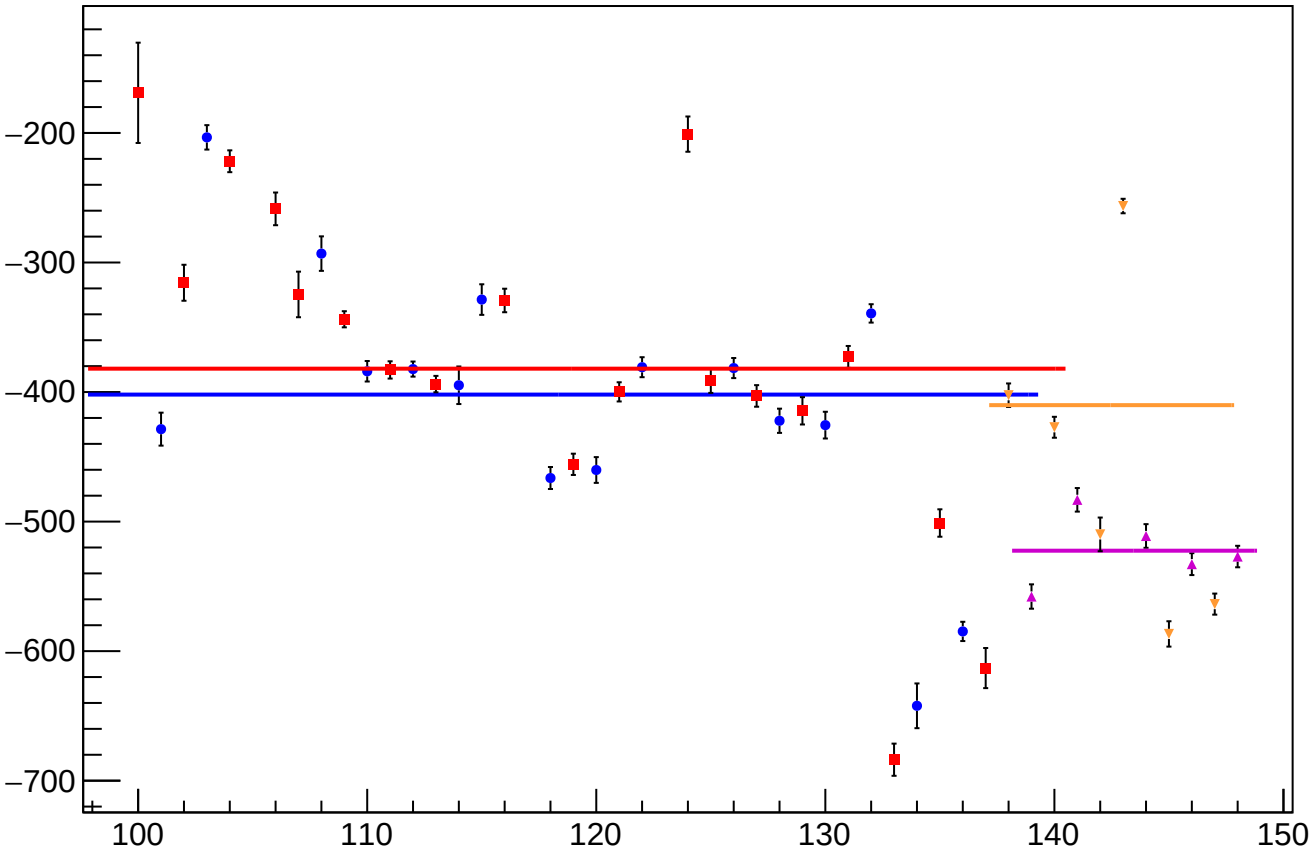
Left: 0.579+/-0.025 χ^2/NDF: 89747.1/10

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 2.034+/-0.027 χ^2/NDF:345982.4/20

Out: 3.055+/-0.028 χ^2/NDF:516106.4/24

All: 2.522+/-0.020 χ^2/NDF: 862771.4/45



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -410.108+/-3.316 χ^2/NDF:1503.3/5

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -522.467+/-3.955 χ^2/NDF:36.1/4

Left: -456.491+/-2.541 χ^2/NDF: 2013.4/10

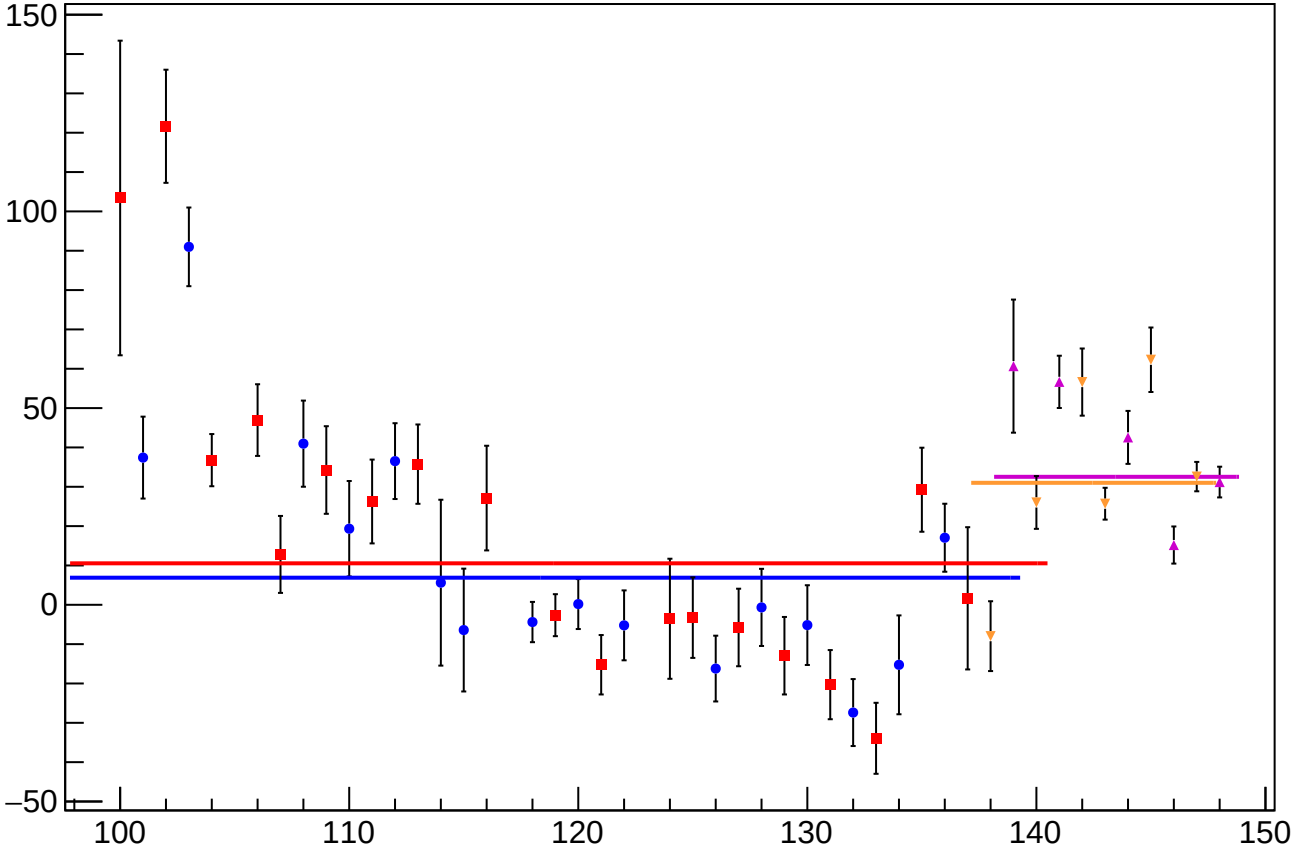
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -431.149+/-1.947 χ^2/NDF:2302.9/20

Out: -390.142+/-1.789 χ^2/NDF:3371.9/24

All: -408.917+/-1.317 χ^2/NDF: 5915.4/45

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 31.009+/-2.257 χ^2/NDF:45.3/5

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 32.533+/-2.510 χ^2/NDF:31.8/4

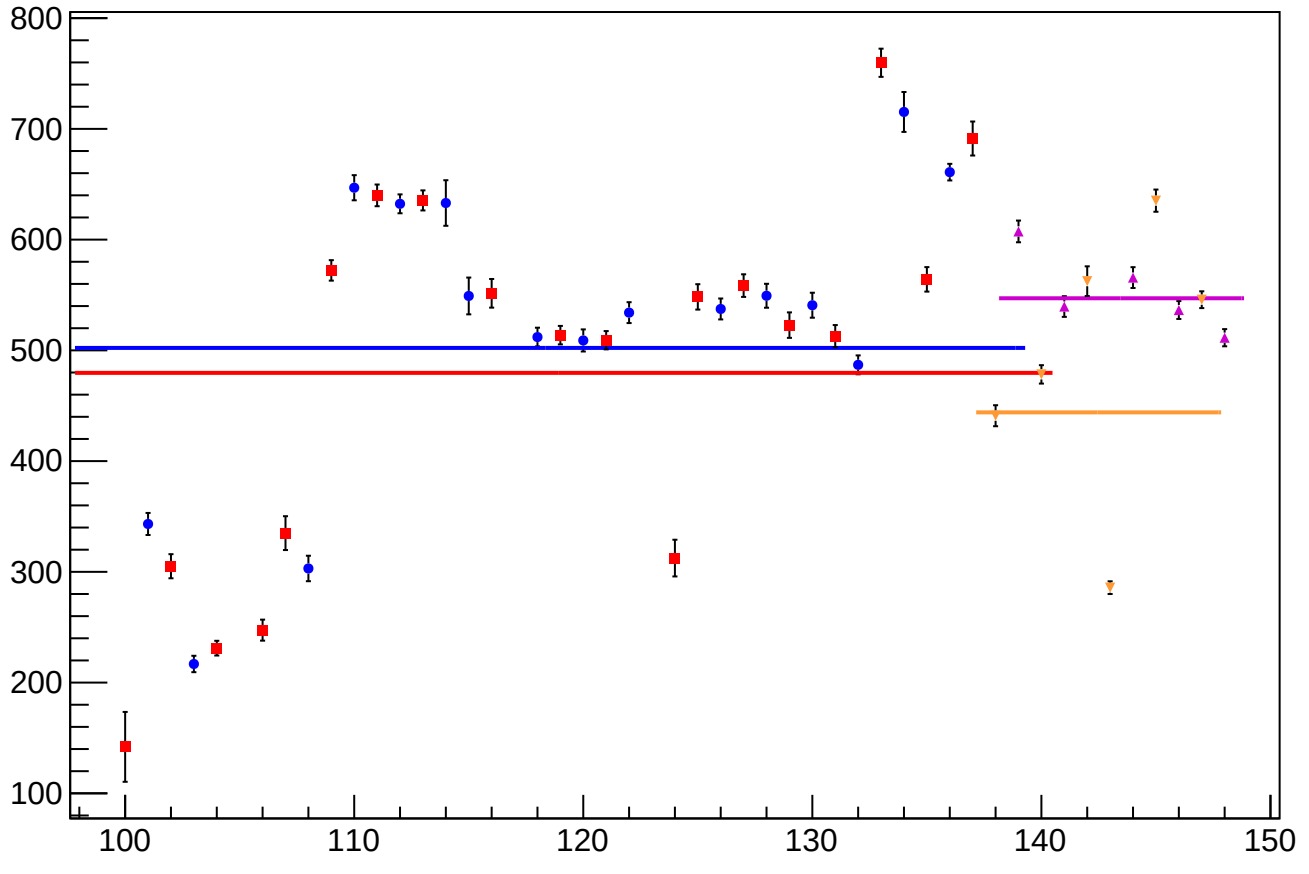
Left: 31.690+/-1.678 χ^2/NDF: 77.3/10

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 18.395+/-1.681 χ^2/NDF:227.8/20

Out: 20.500+/-1.574 χ^2/NDF:267.5/24

All: 19.516+/-1.149 χ^2/NDF: 496.2/45



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 444.005+/-3.355 χ^2/NDF:1398.8/5

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 547.033+/-3.919 χ^2/NDF:65.3/4

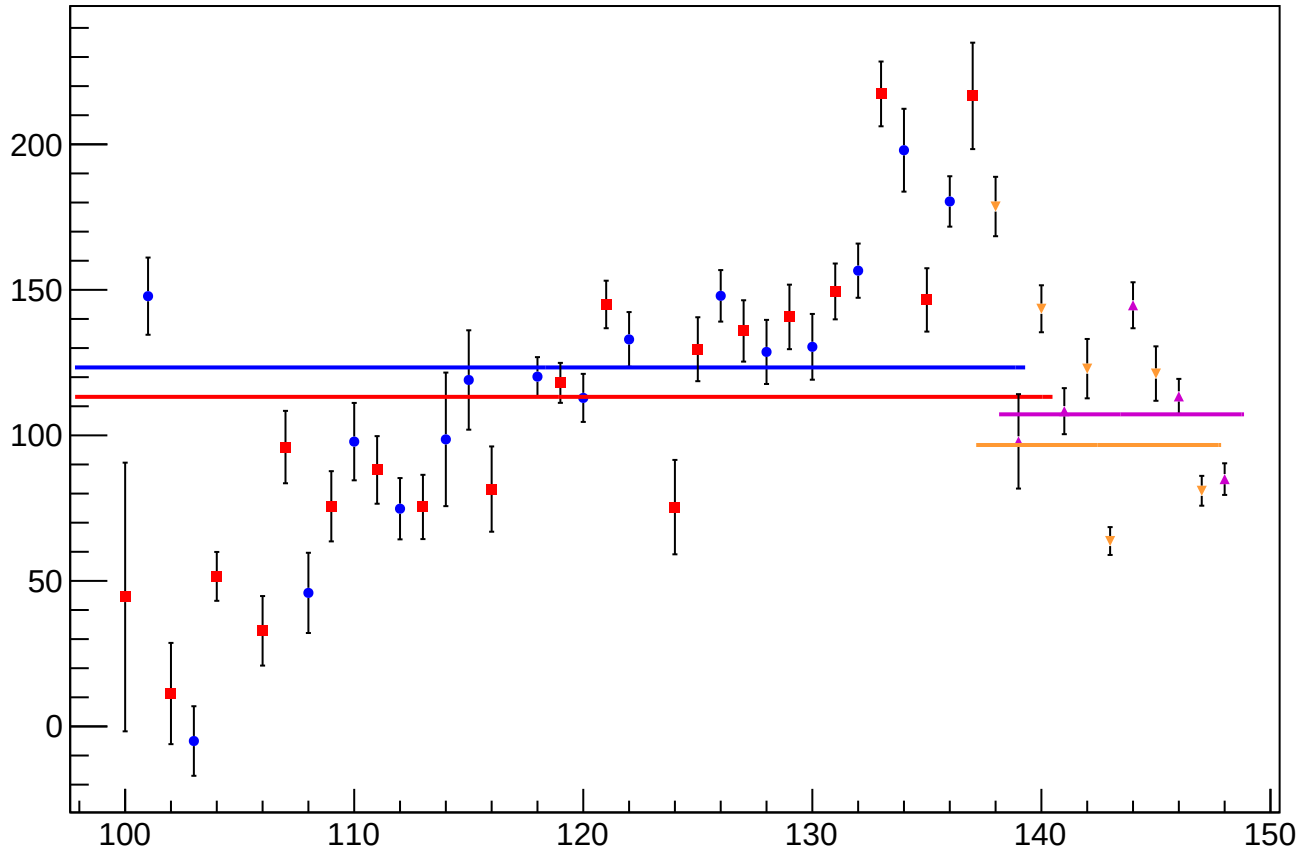
Left: 487.584+/-2.549 χ^2/NDF: 1862.9/10

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 515.125+/-2.103 χ^2/NDF:3293.5/20

Out: 467.609+/-1.952 χ^2/NDF:5612.1/24

All: 489.592+/-1.431 χ^2/NDF: 9179.9/45



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 96.693+/-2.798 χ^2/NDF:168.5/5

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 107.228+/-3.205 χ^2/NDF:40.7/4

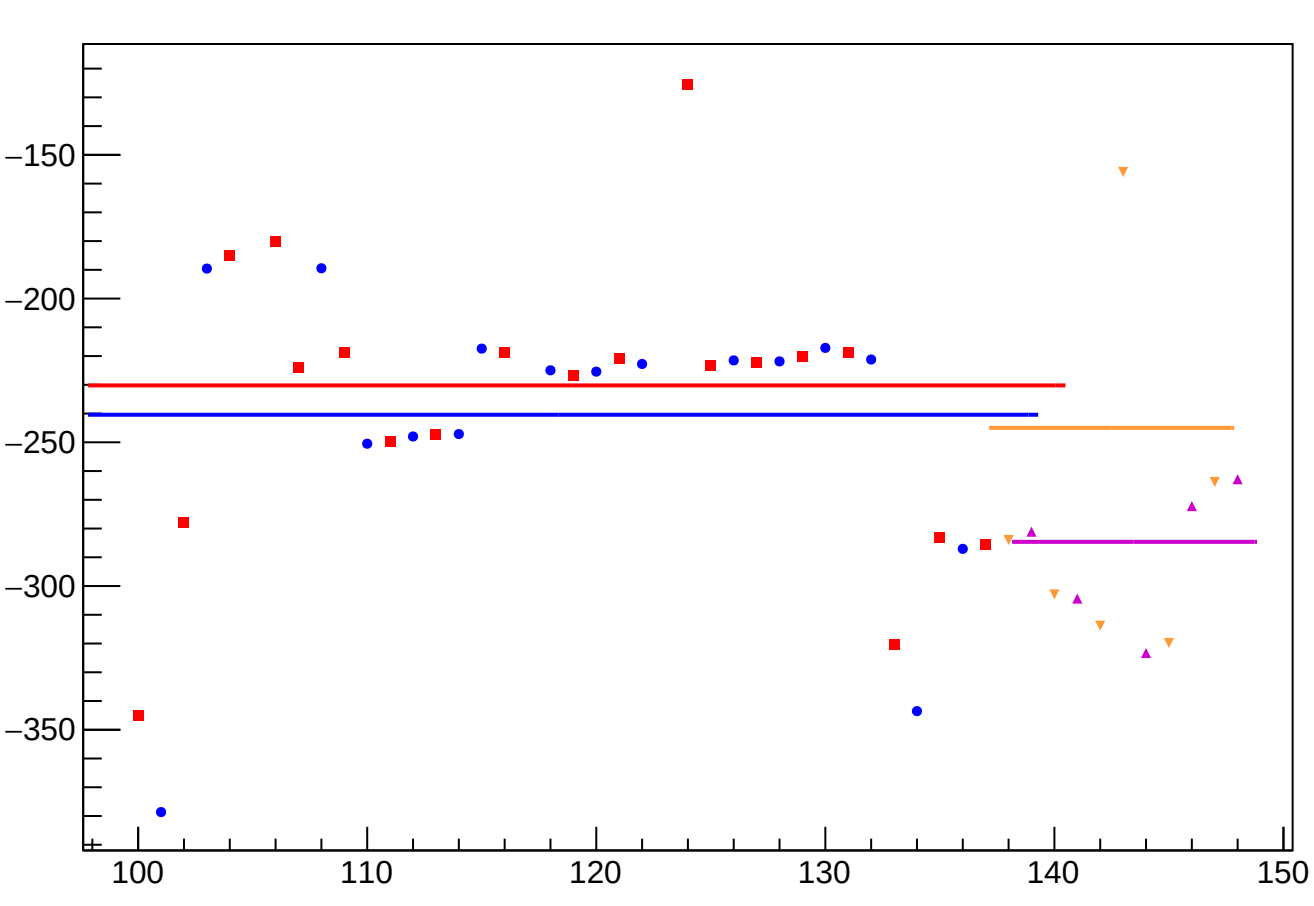
Left: 101.250+/-2.108 χ^2/NDF: 215.3/10

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 116.868+/-2.032 χ^2/NDF:327.2/20

Out: 105.747+/-1.883 χ^2/NDF:533.4/24

All: 110.885+/-1.381 χ^2/NDF: 876.7/45



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -244.962+/-0.141 χ^2/NDF:227469.6/5

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -284.629+/-0.160 χ^2/NDF:17272.1/4

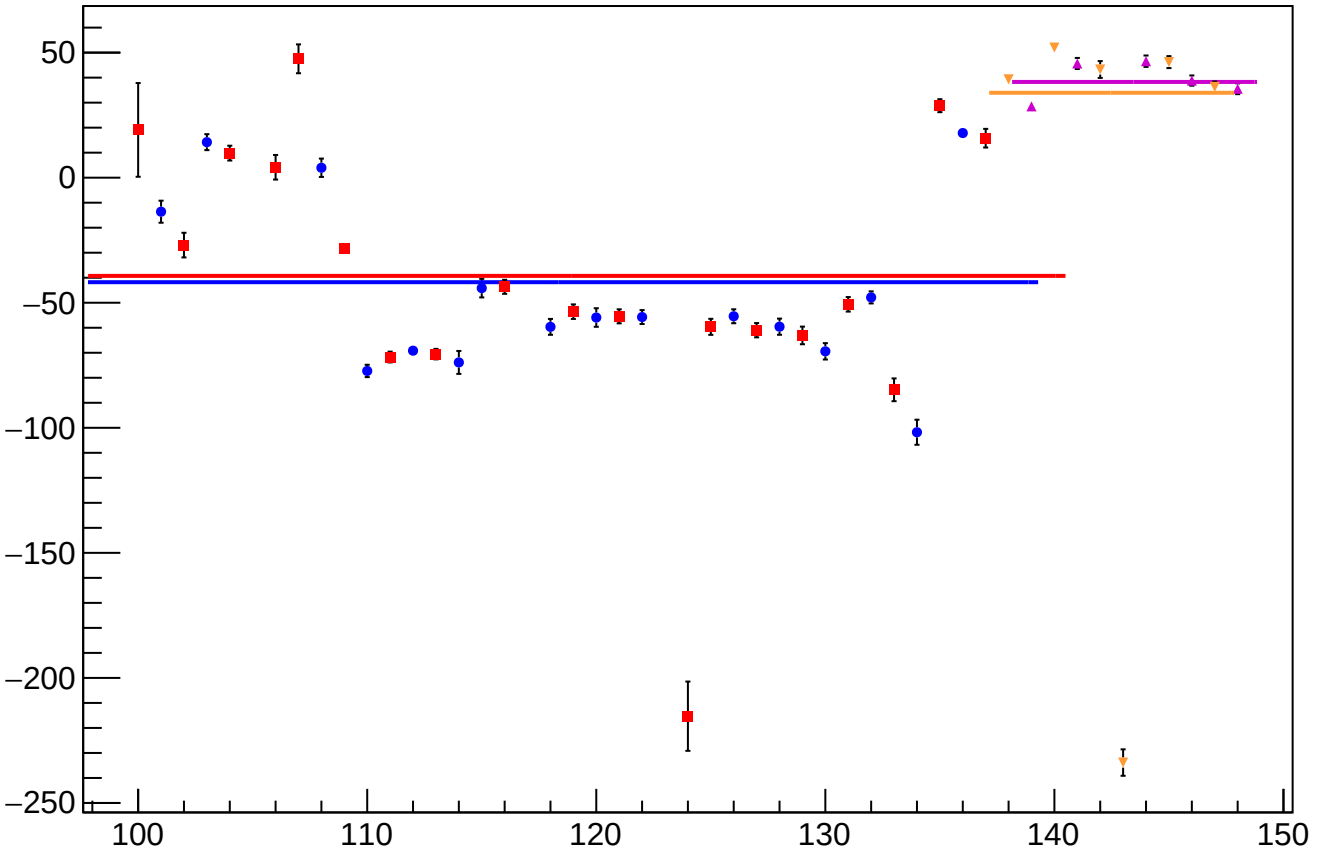
Left: -262.349+/-0.106 χ^2/NDF: 279231.4/10

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.175+/-0.110 χ^2/NDF:191897.1/20

Out: -237.845+/-0.102 χ^2/NDF:316152.5/24

All: -248.634+/-0.075 χ^2/NDF: 532365.8/45



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 33.949+/-0.982 χ^2/NDF:2690.4/5

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 38.282+/-0.945 χ^2/NDF:51.6/4

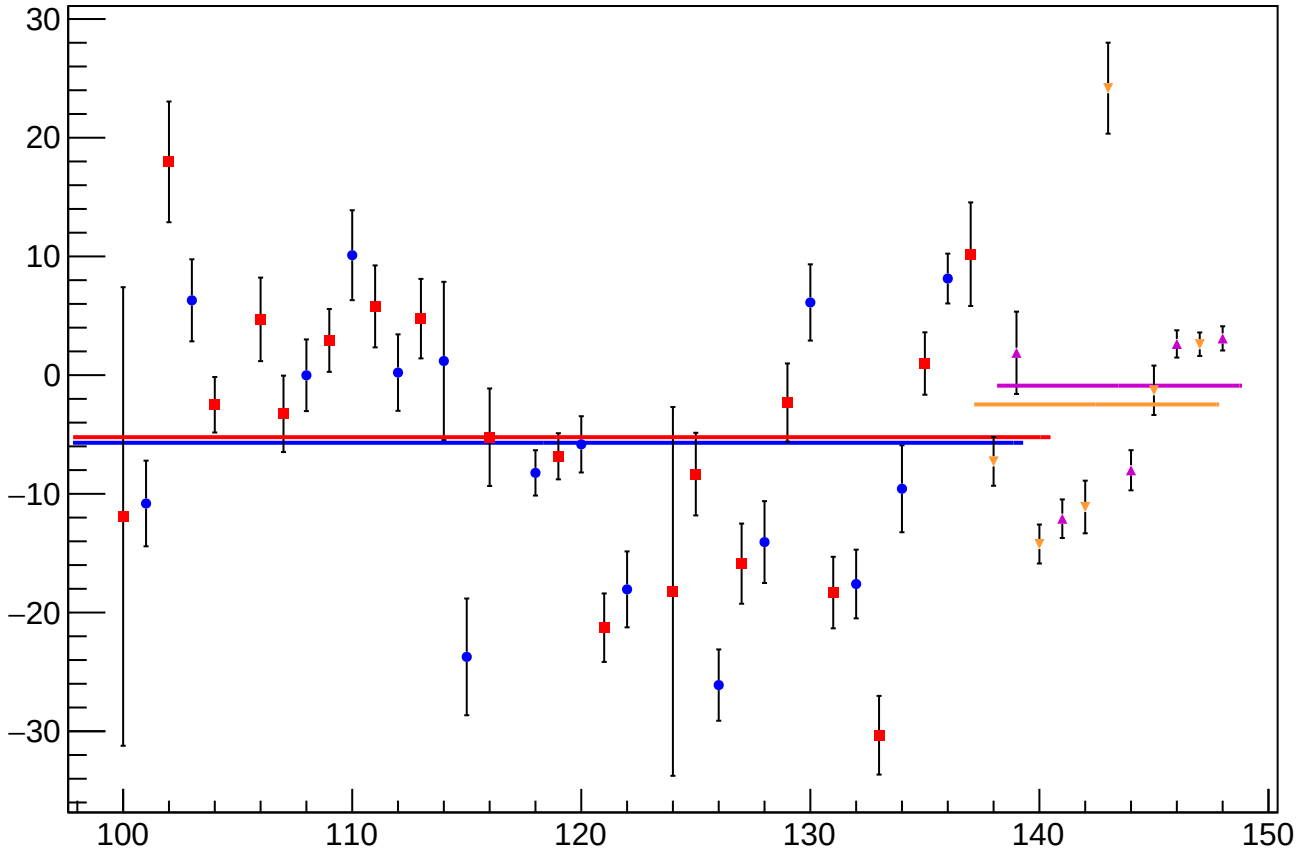
Left: 36.197+/-0.681 χ^2/NDF: 2752.1/10

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -12.235+/-0.574 χ^2/NDF:6982.3/20

Out: -15.543+/-0.559 χ^2/NDF:8928.2/24

All: -13.935+/-0.401 χ^2/NDF: 15927.6/45



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.467+/-0.685 χ^2/NDF:146.8/5

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.888+/-0.629 χ^2/NDF:90.5/4

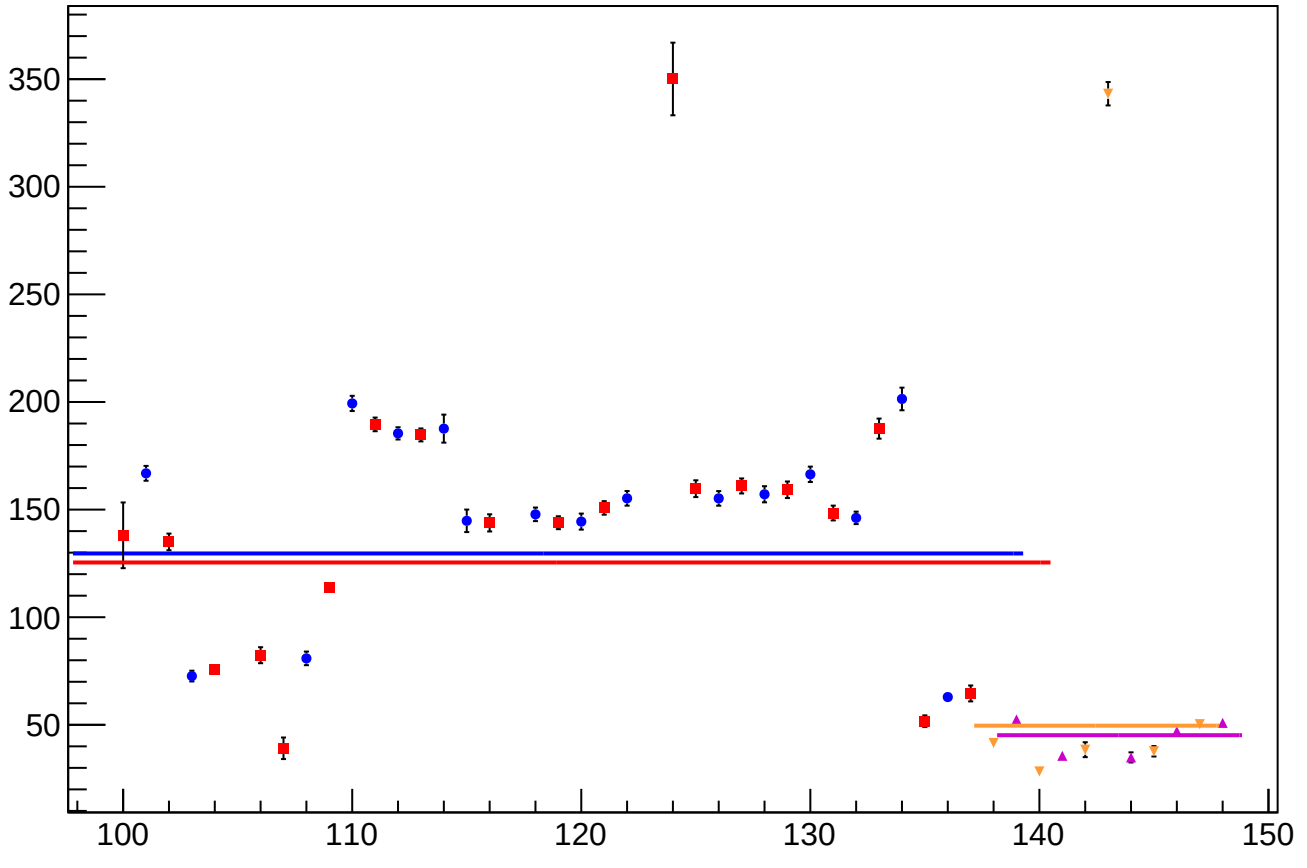
Left: -1.610+/-0.463 χ^2/NDF: 240.2/10

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.863+/-0.483 χ^2/NDF:311.2/20

Out: -3.741+/-0.503 χ^2/NDF:351.6/24

All: -3.284+/-0.348 χ^2/NDF: 664.5/45



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.606+/-0.989 χ^2/NDF:3074.9/5

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.178+/-0.942 χ^2/NDF:59.2/4

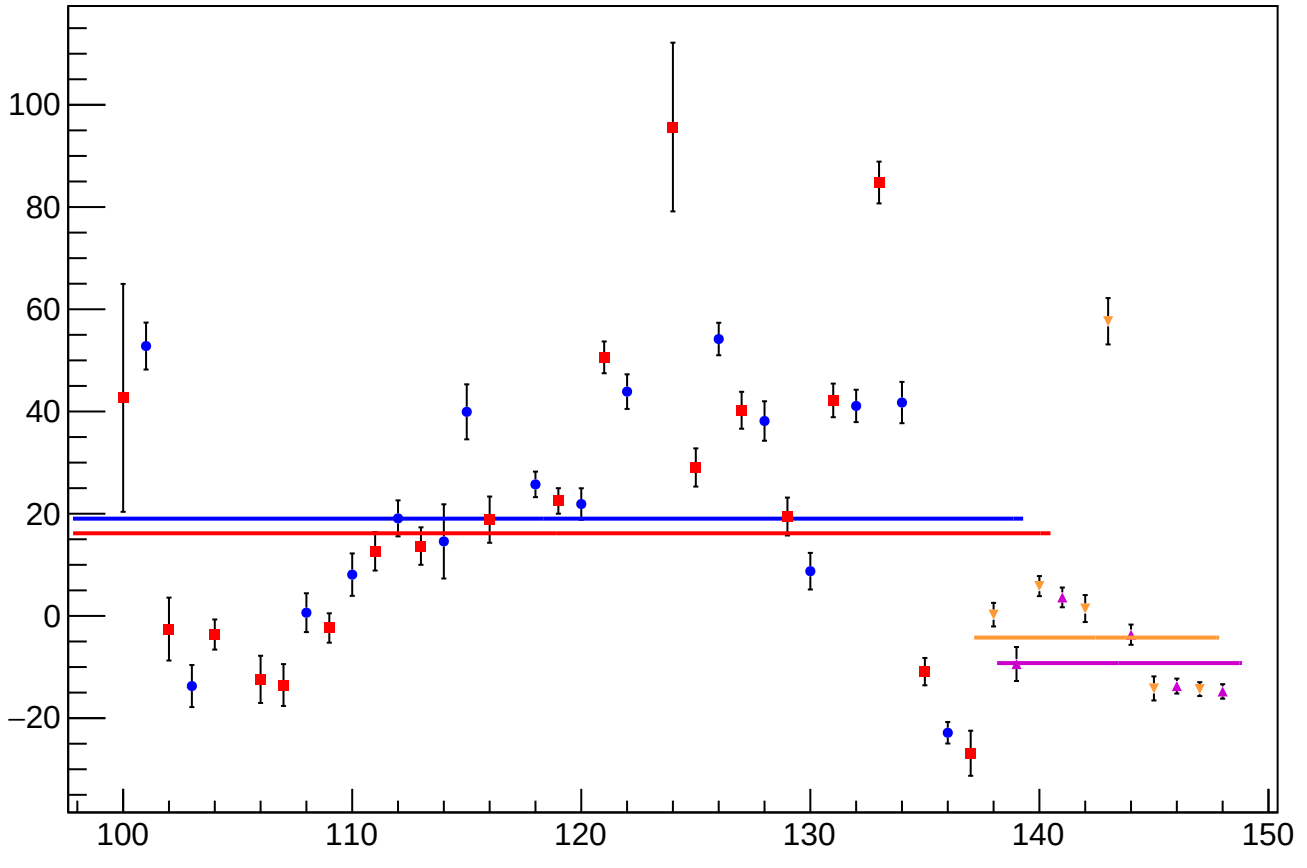
Left: 47.282+/-0.682 χ^2/NDF: 3144.7/10

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 94.185+/-0.610 χ^2/NDF:8351.8/20

Out: 95.921+/-0.617 χ^2/NDF:10165.8/24

All: 95.043+/-0.434 χ^2/NDF: 18521.7/45



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -4.236+/-0.857 χ^2/NDF:294.1/5

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -9.226+/-0.796 χ^2/NDF:76.9/4

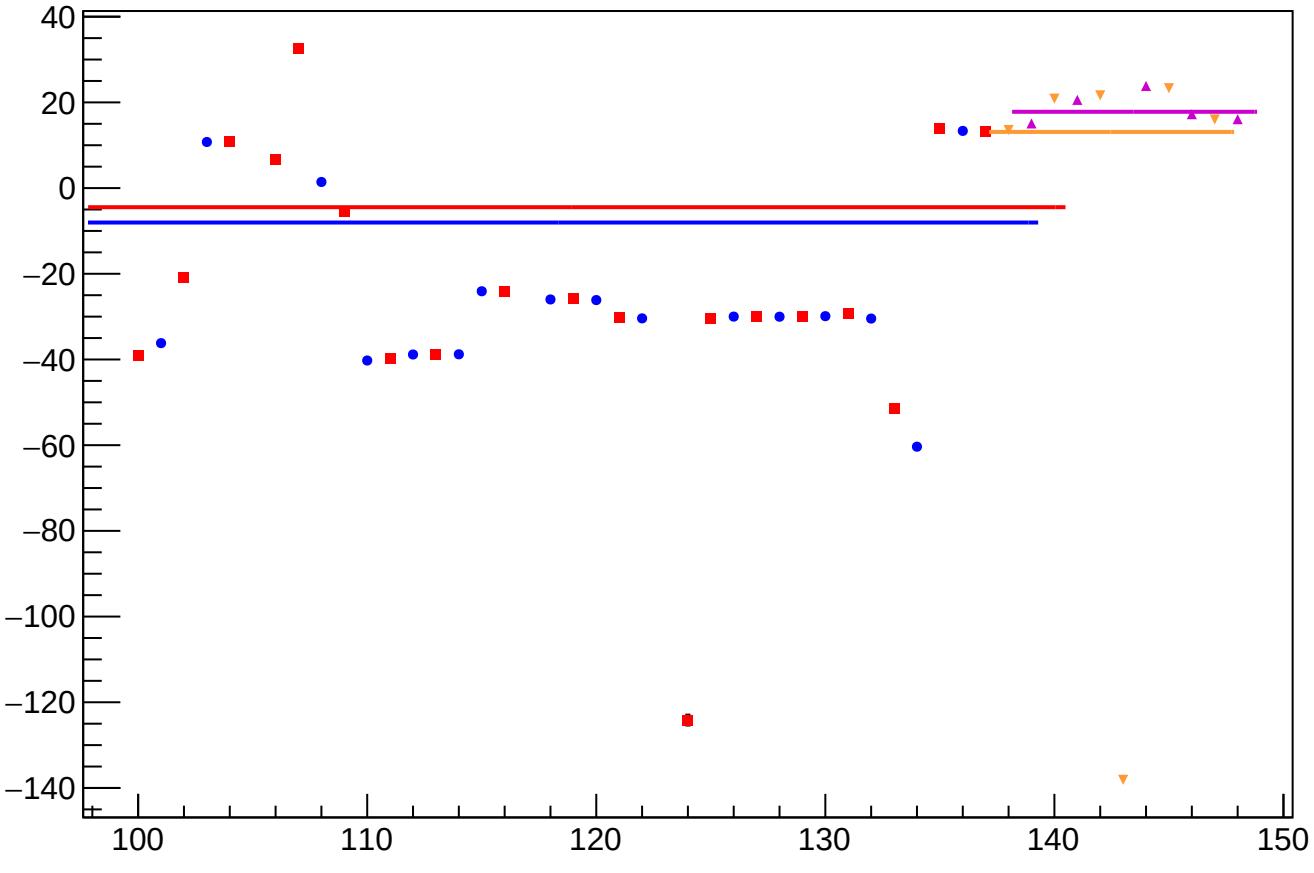
Left: -6.914+/-0.583 χ^2/NDF: 389.2/10

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 3.818+/-0.584 χ^2/NDF:1516.6/20

Out: 6.099+/-0.602 χ^2/NDF:1522.6/24

All: 4.924+/-0.419 χ^2/NDF: 3046.6/45



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.108+/-0.041 χ^2/NDF:469219.5/5

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.807+/-0.038 χ^2/NDF:6119.8/4

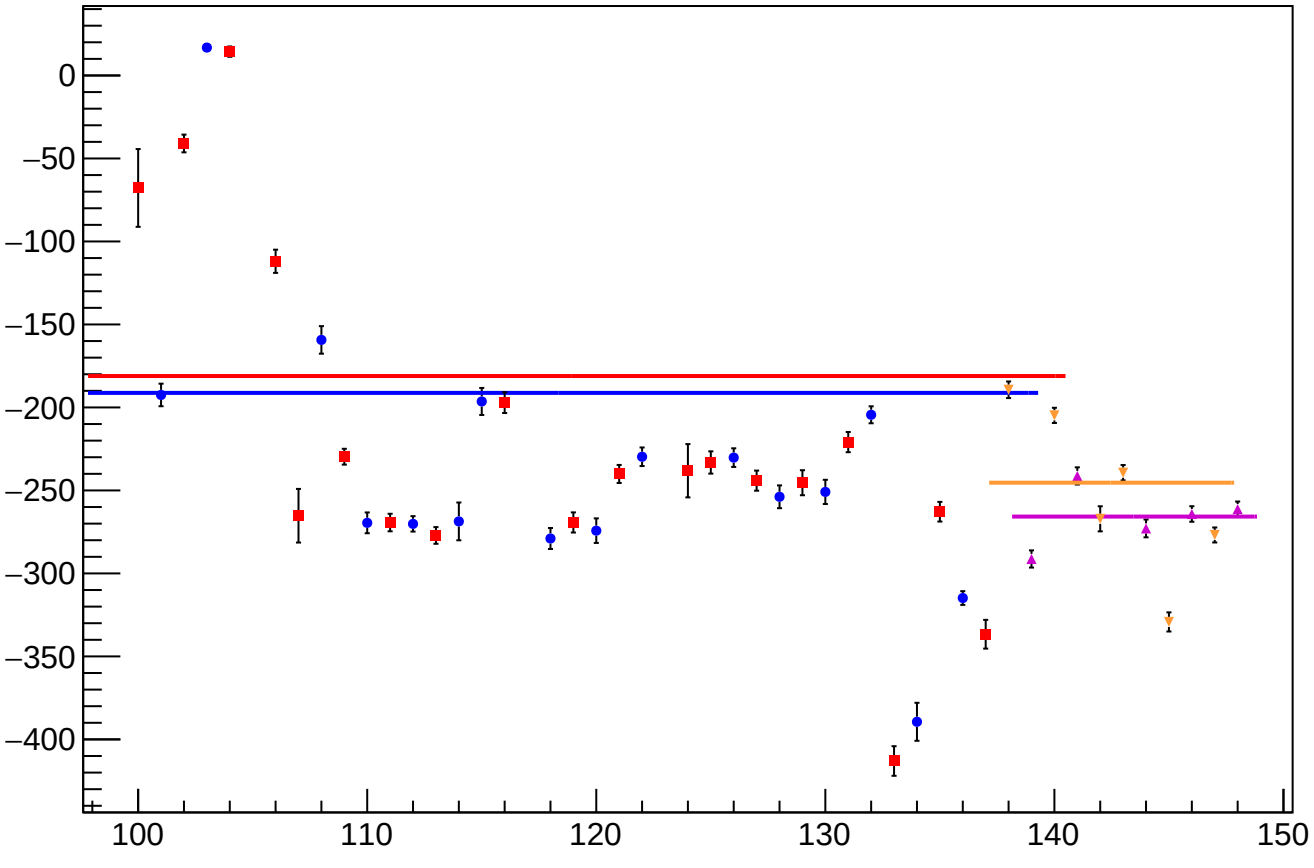
Left: 15.655+/-0.028 χ^2/NDF: 482347.4/10

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 7.282+/-0.029 χ^2/NDF:462521.4/20

Out: 5.411+/-0.031 χ^2/NDF:776830.3/24

All: 6.400+/-0.021 χ^2/NDF: 1241280.5/45



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -245.334+/-2.081 χ^2/NDF:474.0/5

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -265.753+/-2.219 χ^2/NDF:49.5/4

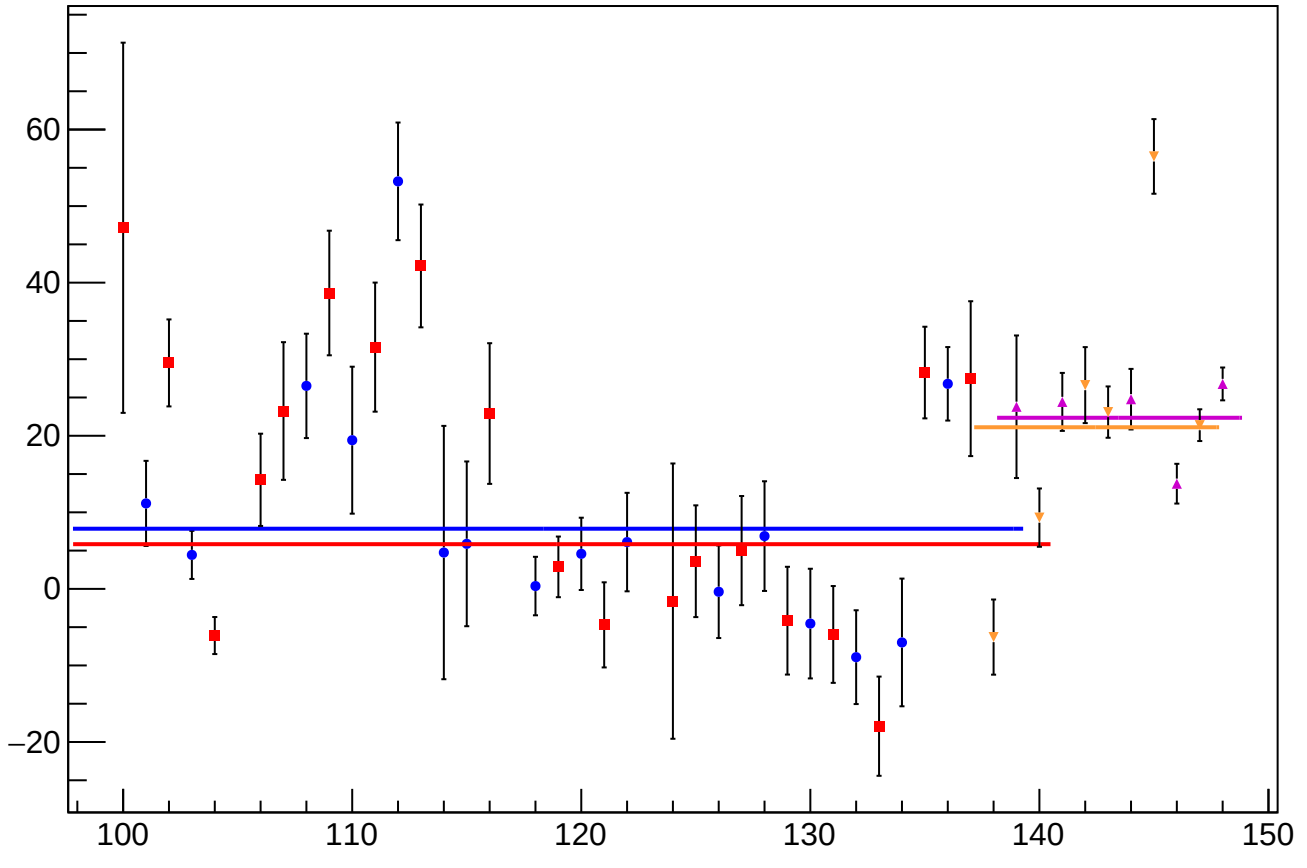
Left: -254.891+/-1.518 χ^2/NDF: 568.6/10

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -212.852+/-1.195 χ^2/NDF:8075.1/20

Out: -200.753+/-1.152 χ^2/NDF:8509.3/24

All: -206.578+/-0.829 χ^2/NDF: 16637.6/45



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 21.112+/-1.394 χ^2/NDF:95.1/5

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 22.351+/-1.399 χ^2/NDF:15.9/4

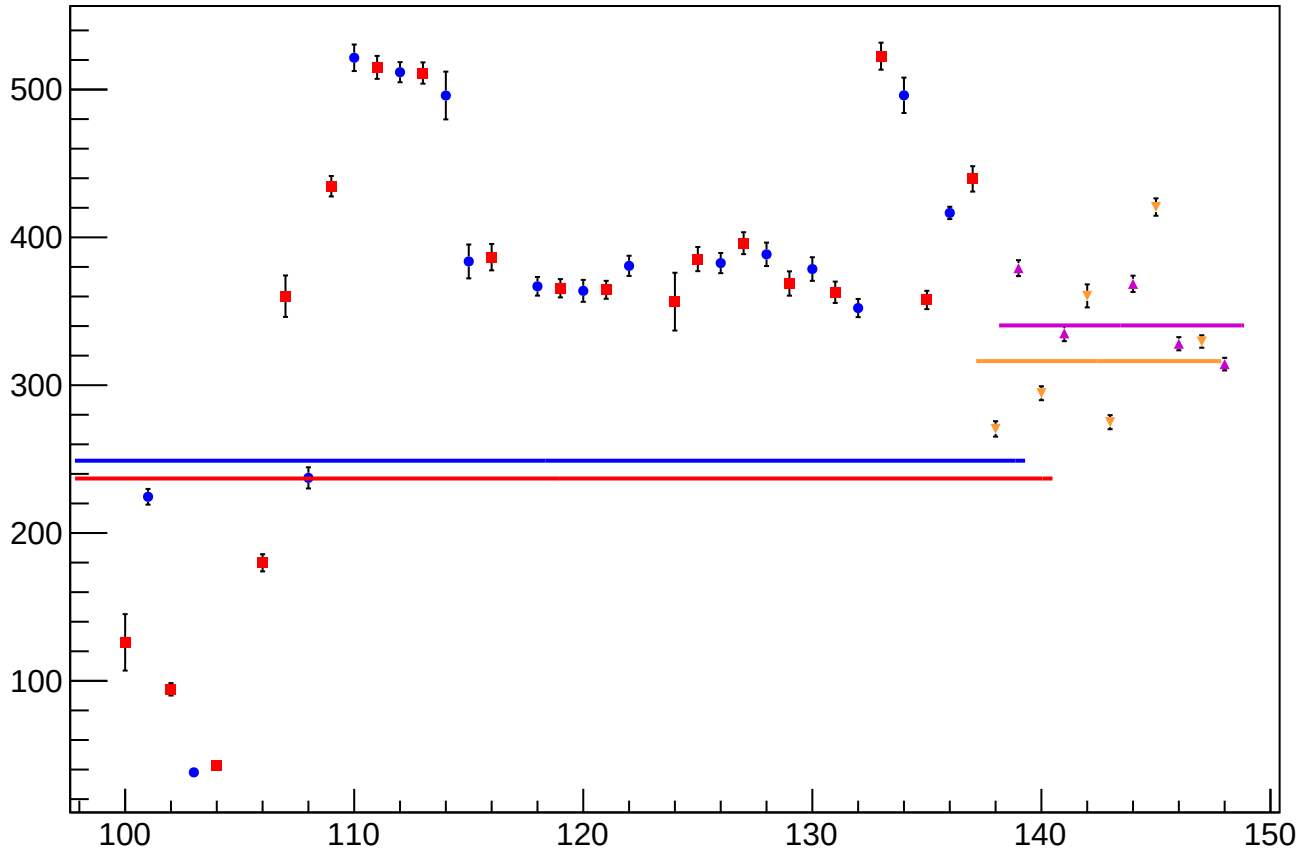
Left: 21.729+/-0.987 χ^2/NDF: 111.4/10

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 15.304+/-1.003 χ^2/NDF:149.0/20

Out: 13.261+/-0.972 χ^2/NDF:298.6/24

All: 14.251+/-0.698 χ^2/NDF: 449.8/45



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 316.295+/-2.096 χ^2/NDF:529.3/5

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 340.426+/-2.195 χ^2/NDF:123.8/4

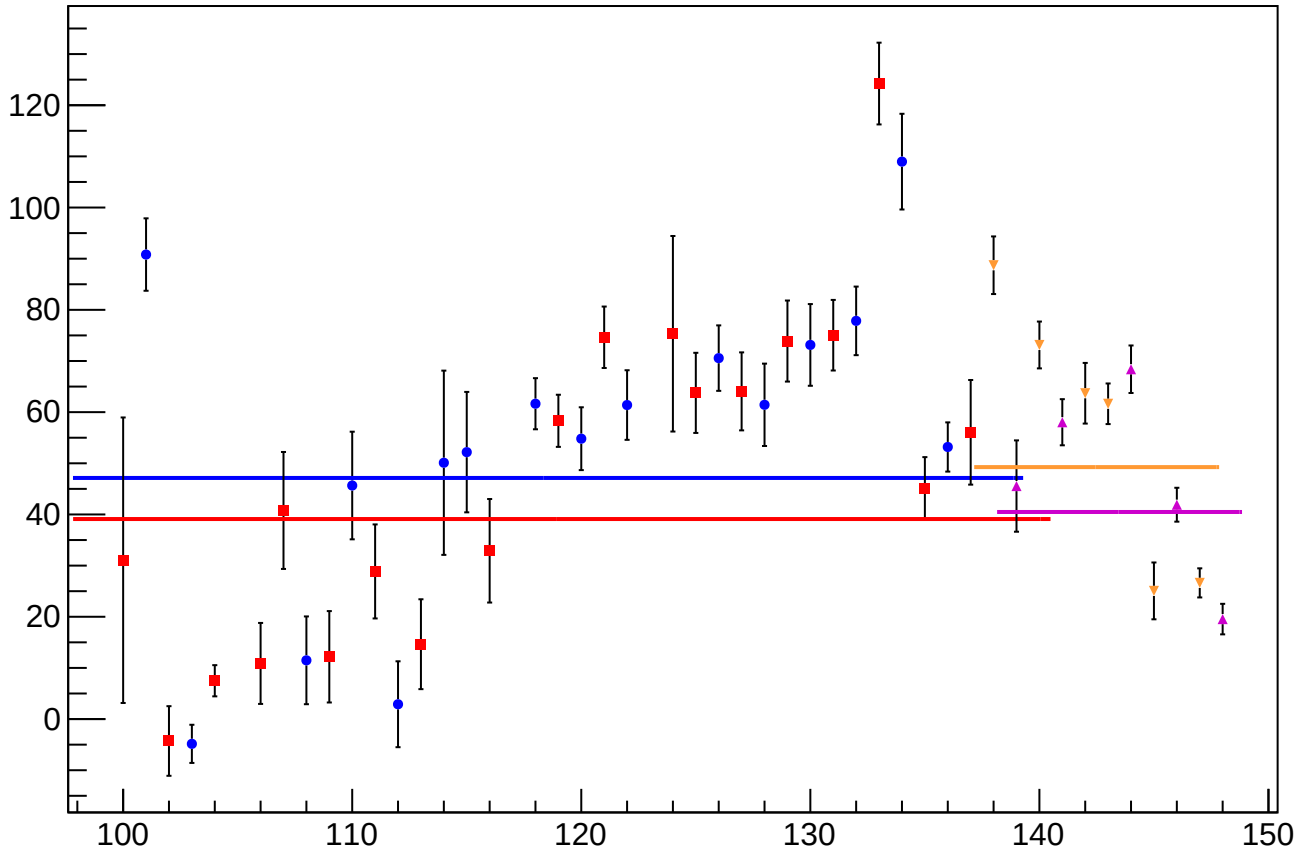
Left: 327.803+/-1.516 χ^2/NDF: 716.4/10

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 275.969+/-1.193 χ^2/NDF:16649.9/20

Out: 261.538+/-1.168 χ^2/NDF:17176.7/24

All: 268.599+/-0.835 χ^2/NDF: 33901.3/45



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 49.255+/-1.749 χ^2/NDF:174.2/5

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 40.484+/-1.792 χ^2/NDF:101.0/4

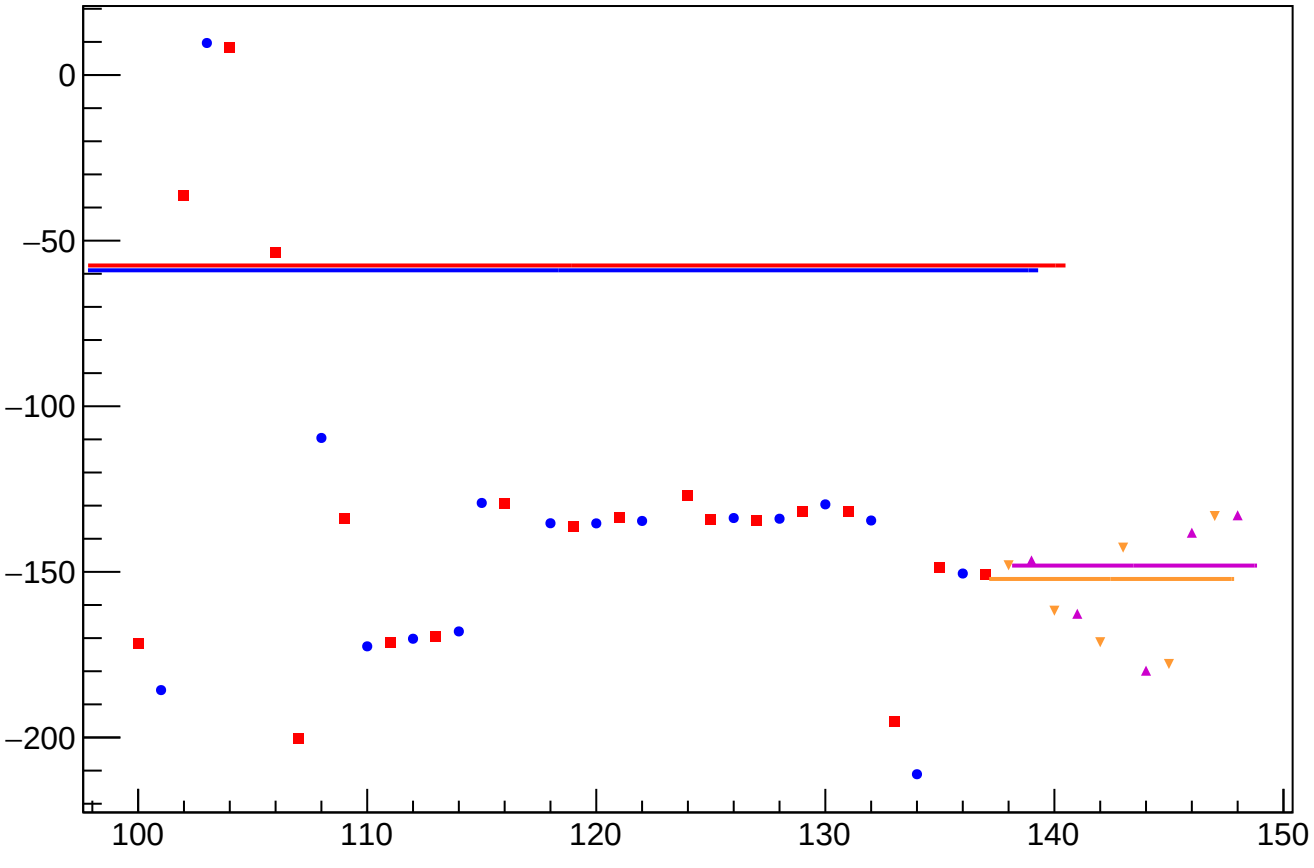
Left: 44.977+/-1.251 χ^2/NDF: 287.4/10

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 44.049+/-1.221 χ^2/NDF:493.7/20

Out: 43.718+/-1.179 χ^2/NDF:609.0/24

All: 43.877+/-0.848 χ^2/NDF: 1102.7/45



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -152.141+/-0.089 χ^2/NDF:30721.9/5

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -148.101+/-0.089 χ^2/NDF:31324.0/4

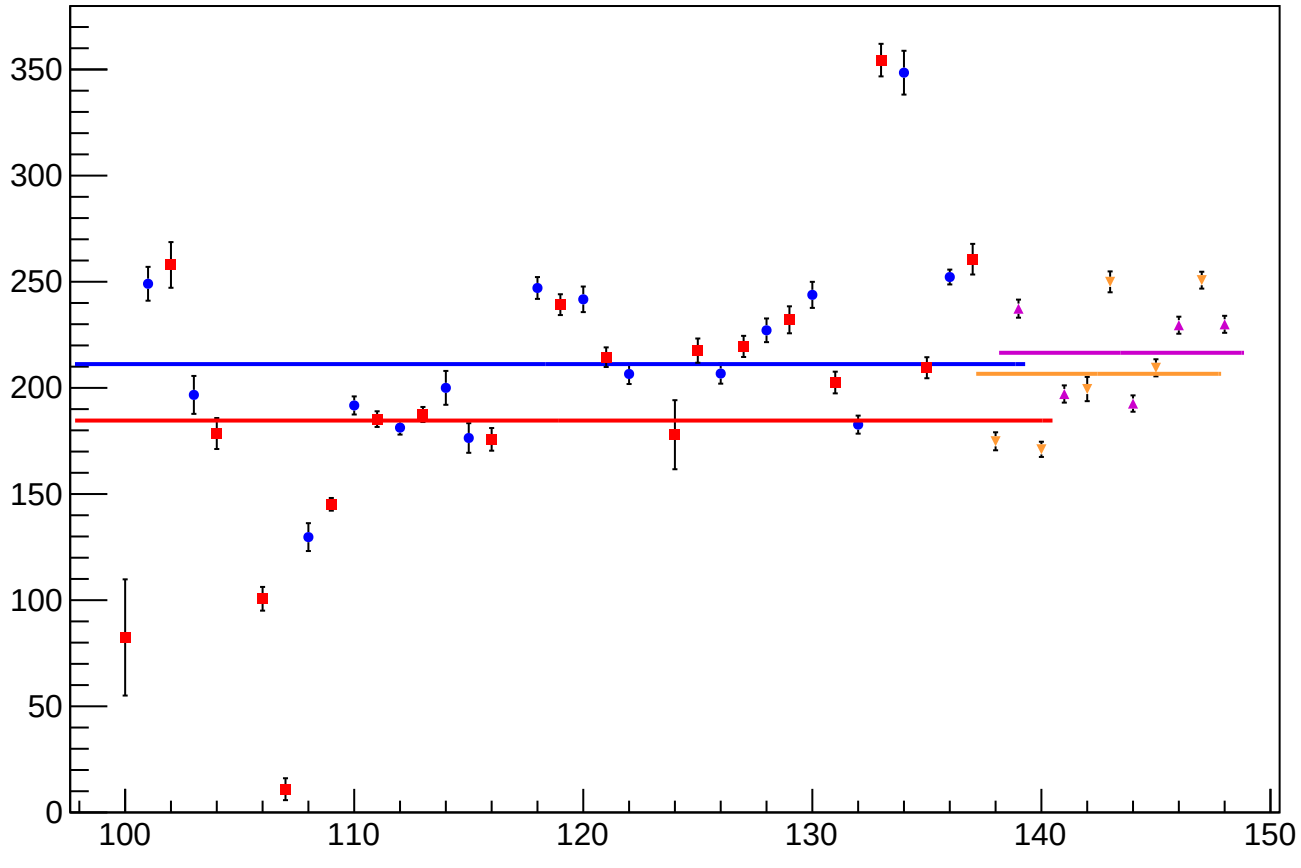
Left: -150.140+/-0.063 χ^2/NDF: 63075.7/10

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -94.369+/-0.056 χ^2/NDF:1857237.4/20

Out: -96.555+/-0.057 χ^2/NDF:1572347.6/24

All: -95.452+/-0.040 χ^2/NDF: 3430329.9/45



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 206.636+/-1.740 χ^2/NDF:357.3/5

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 216.535+/-1.803 χ^2/NDF:106.9/4

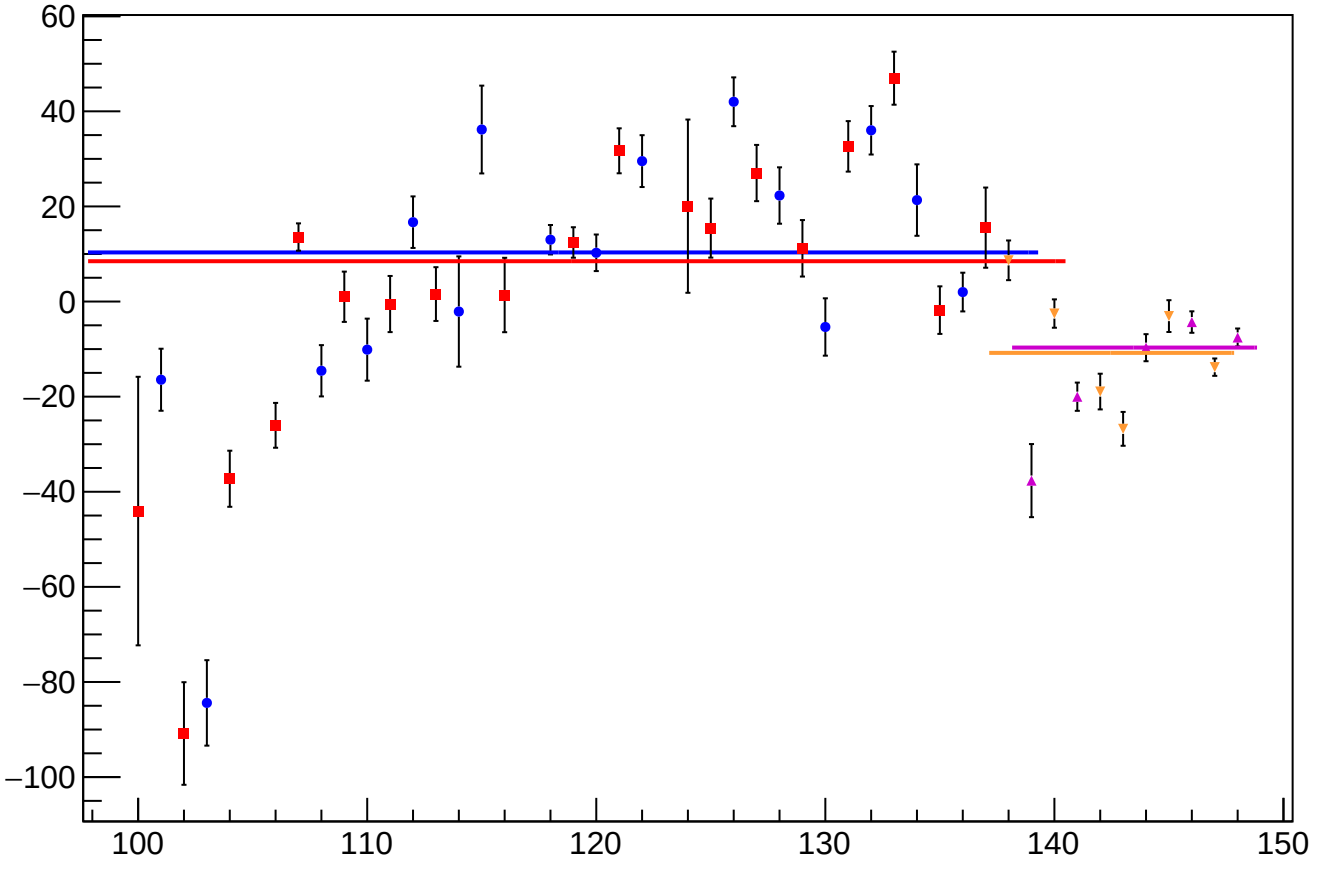
Left: 211.411+/-1.252 χ^2/NDF: 479.8/10

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.023+/-1.052 χ^2/NDF:895.7/20

Out: 191.661+/-0.984 χ^2/NDF:3006.5/24

All: 201.633+/-0.719 χ^2/NDF: 4122.0/45



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -10.796+/-1.188 χ^2/NDF:62.3/5

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -9.678+/-1.170 χ^2/NDF:32.3/4

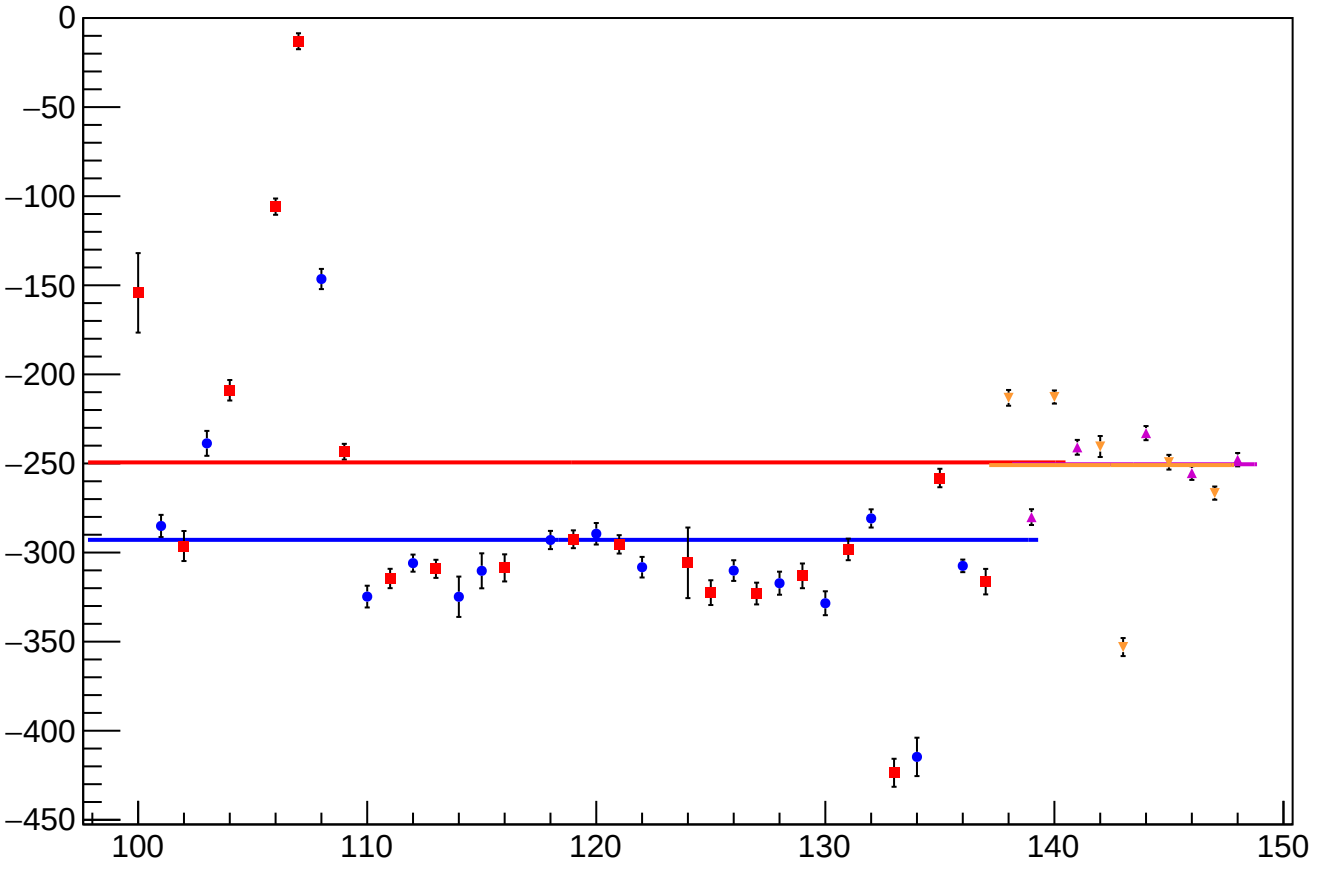
Left: -10.229+/-0.833 χ^2/NDF: 95.0/10

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: -0.973+/-0.879 χ^2/NDF:422.9/20

Out: -1.453+/-0.853 χ^2/NDF:512.3/24

All: -1.220+/-0.612 χ^2/NDF: 935.3/45



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.910+/-1.758 χ^2/NDF:608.3/5

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -250.447+/-1.793 χ^2/NDF:71.4/4

Left: -250.683+/-1.255 χ^2/NDF: 679.7/10

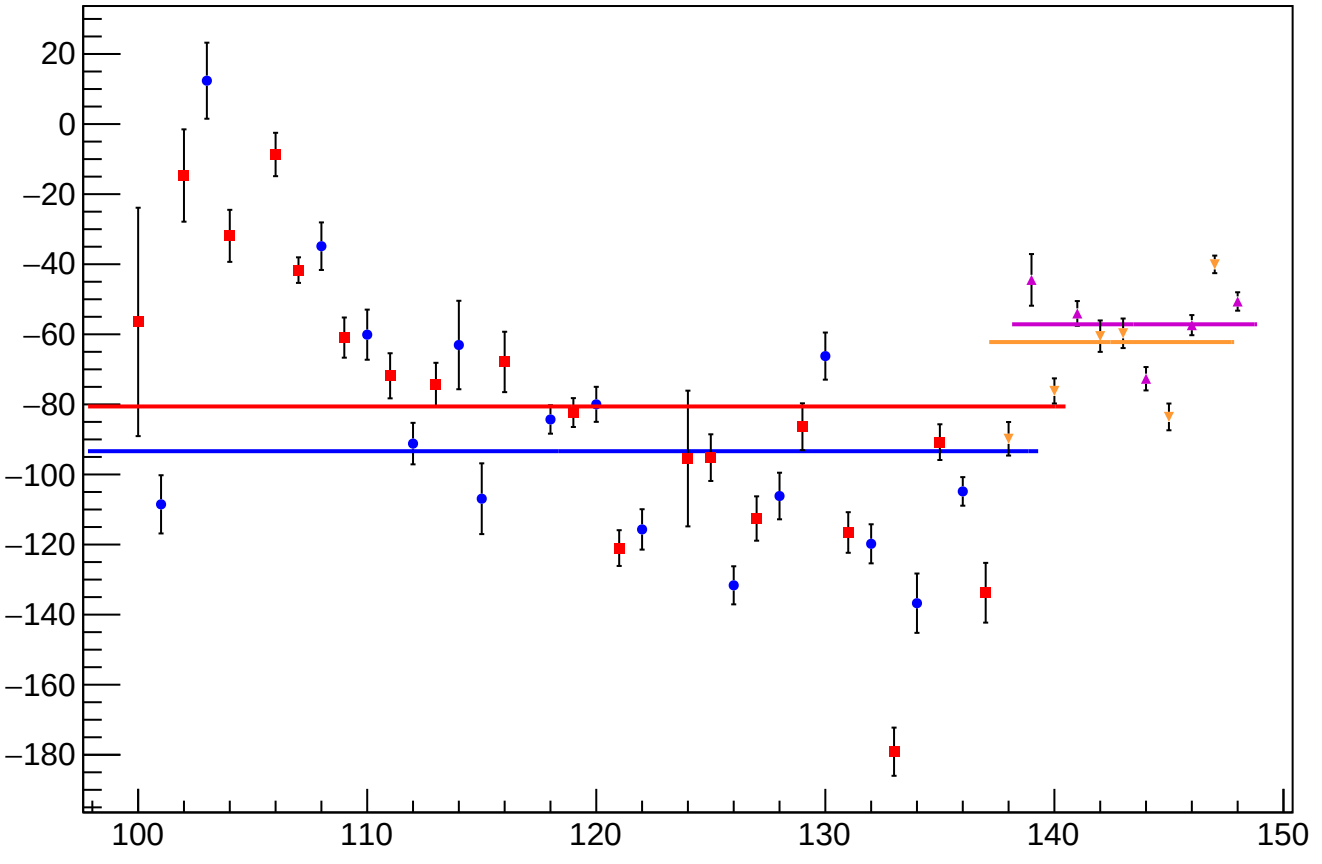
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -275.858+/-1.136 χ^2/NDF:1390.1/20

Out: -249.974+/-1.080 χ^2/NDF:5977.2/24

All: -262.264+/-0.783 χ^2/NDF: 7640.0/45

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -62.213+/-1.482 χ^2/NDF:158.5/5

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -57.143+/-1.483 χ^2/NDF:31.6/4

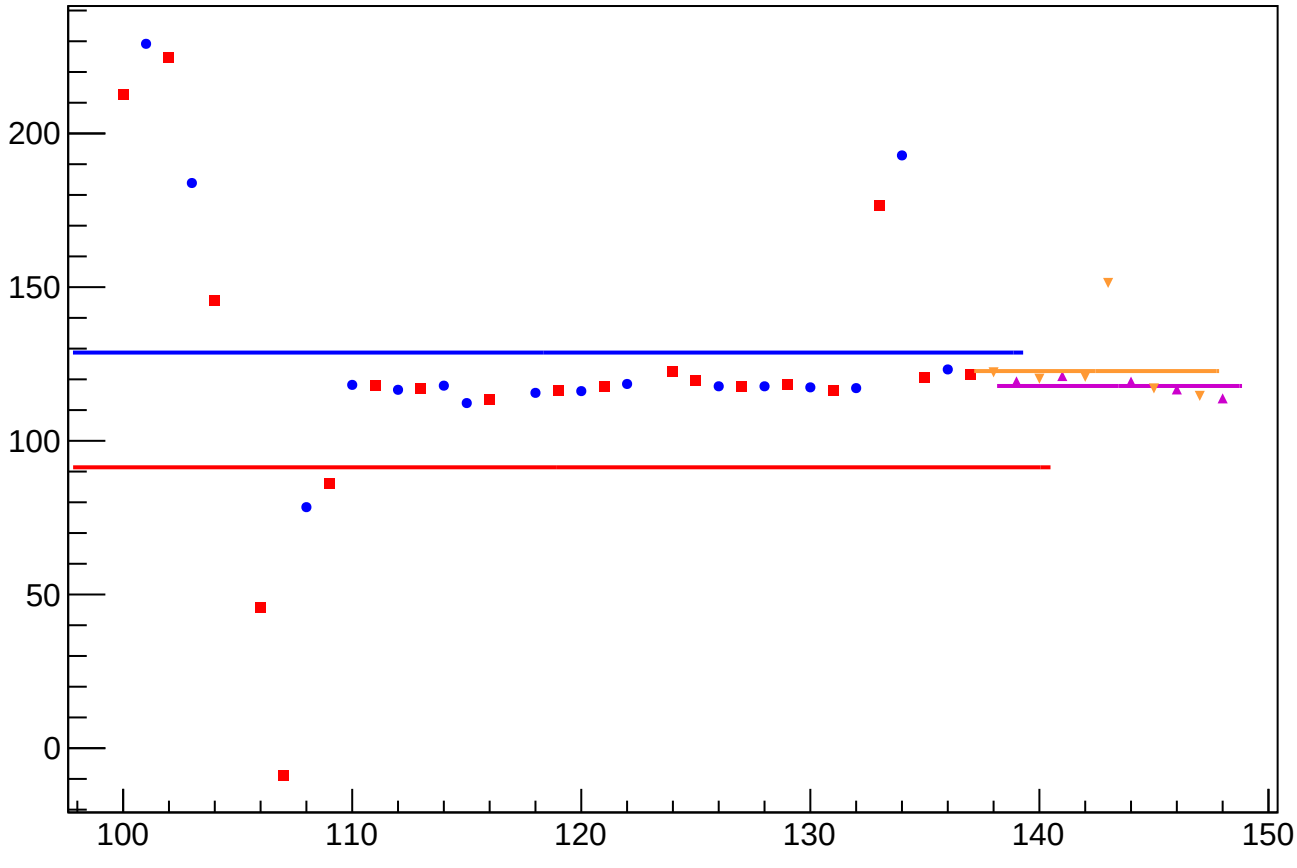
Left: -59.680+/-1.048 χ^2/NDF: 195.9/10

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -74.632+/-1.066 χ^2/NDF:674.9/20

Out: -71.768+/-1.027 χ^2/NDF:953.8/24

All: -73.146+/-0.740 χ^2/NDF: 1632.5/45



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 122.693+/-0.074 χ^2/NDF:22331.2/5

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 117.844+/-0.073 χ^2/NDF:1264.9/4

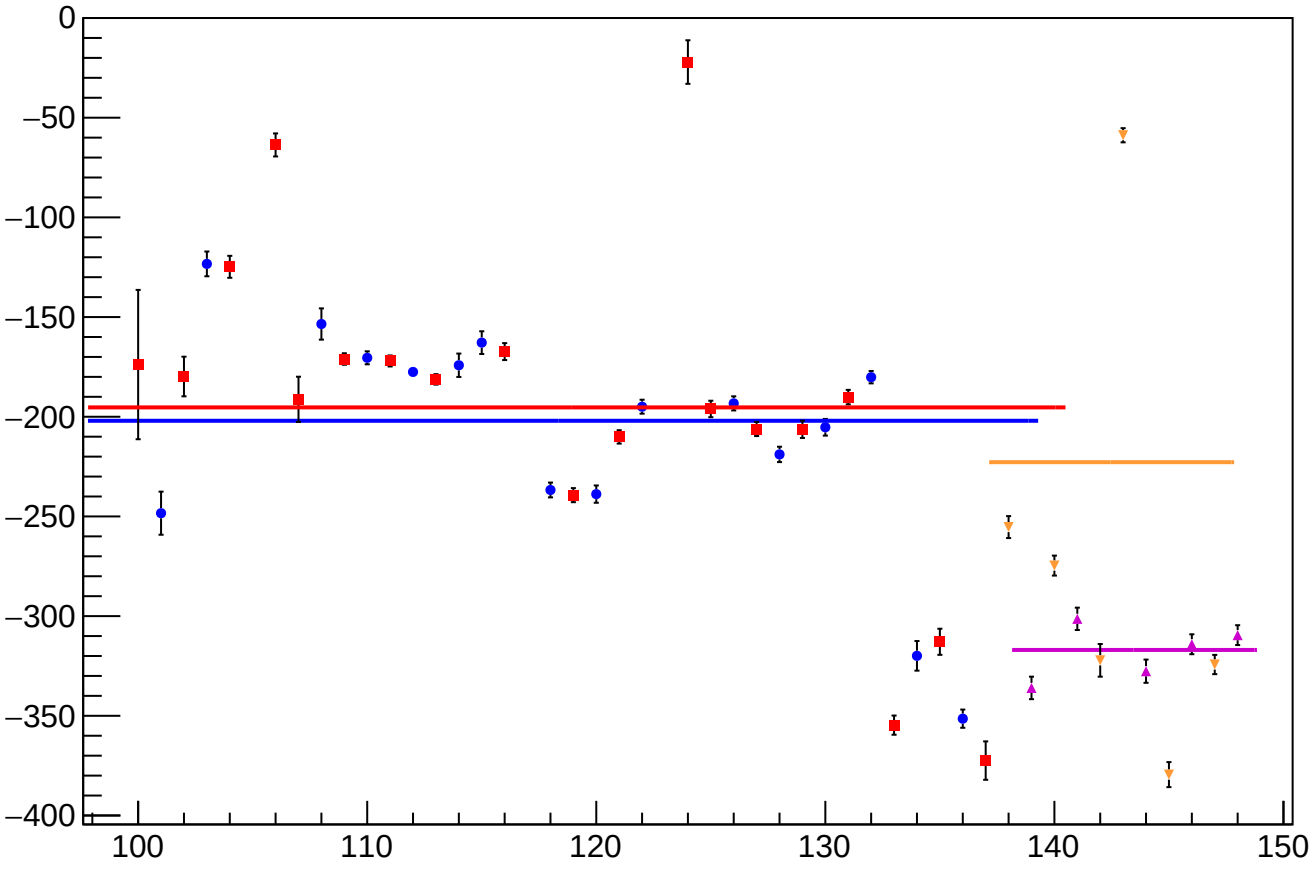
Left: 120.245+/-0.052 χ^2/NDF: 25759.3/10

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 122.233+/-0.057 χ^2/NDF:193655.8/20

Out: 108.056+/-0.054 χ^2/NDF:710748.0/24

All: 114.814+/-0.039 χ^2/NDF: 937192.7/45



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -222.793+/-2.063 χ^2/NDF:3478.1/5

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -316.969+/-2.404 χ^2/NDF:25.0/4

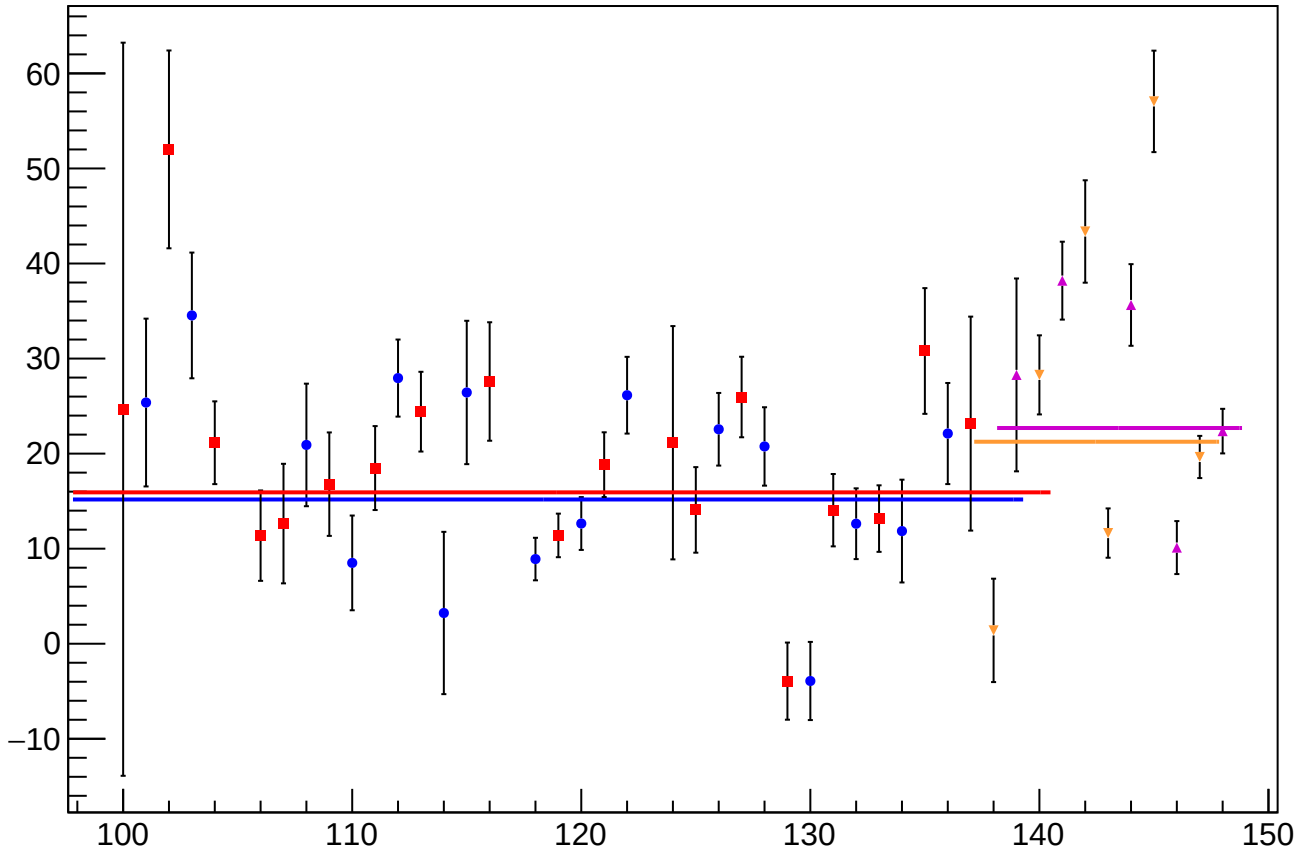
Left: -262.734+/-1.565 χ^2/NDF: 4387.1/10

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -219.677+/-0.942 χ^2/NDF:4000.8/20

Out: -200.321+/-0.881 χ^2/NDF:6724.0/24

All: -209.349+/-0.643 χ^2/NDF: 10950.0/45



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 21.251+/-1.396 χ^2/NDF:92.3/5

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 22.694+/-1.518 χ^2/NDF:44.1/4

Left: 21.913+/-1.028 χ^2/NDF: 136.9/10

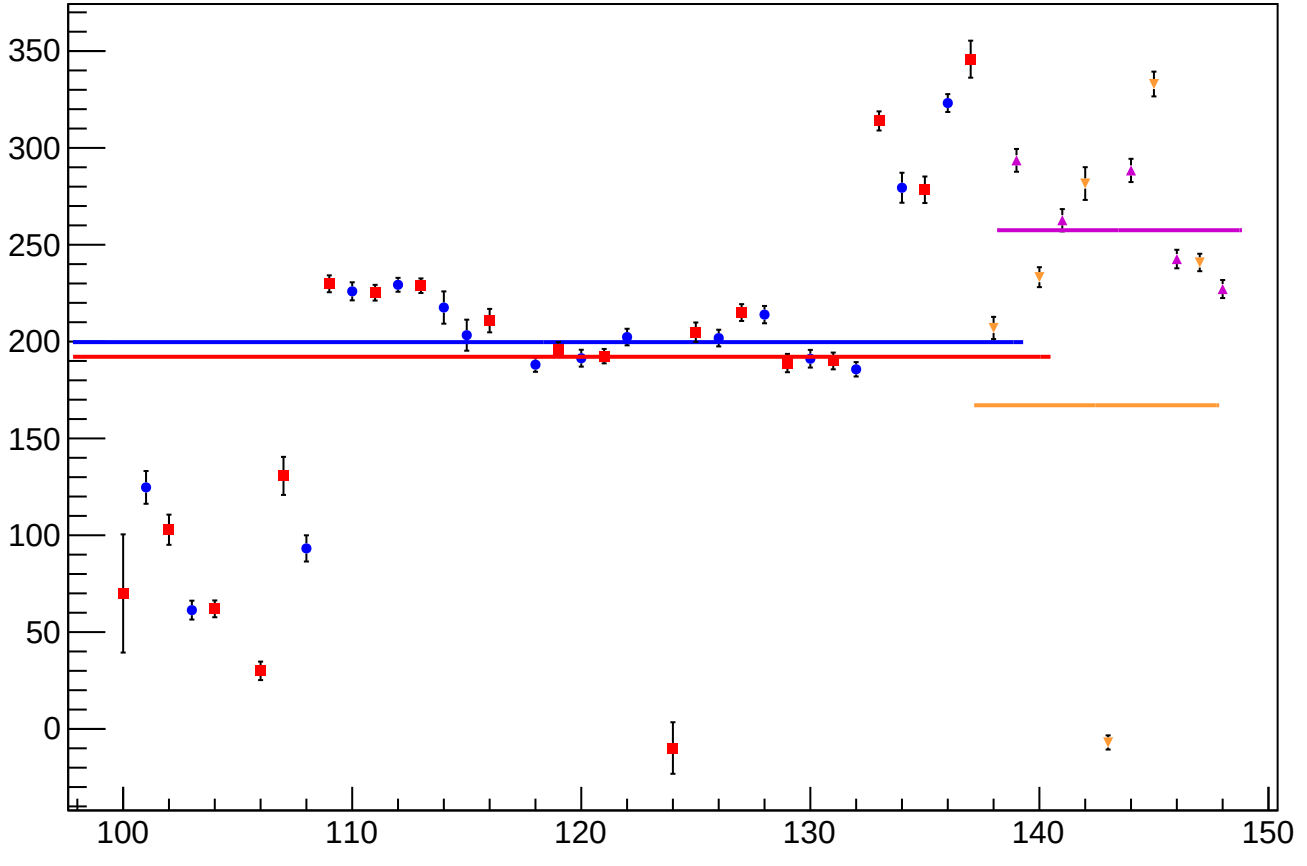
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 17.602+/-0.862 χ^2/NDF:133.1/20

Out: 17.818+/-0.832 χ^2/NDF:165.2/24

All: 17.714+/-0.599 χ^2/NDF: 298.3/45

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: 167.125+/-2.083 χ^2/NDF:3599.9/5

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 257.501+/-2.379 χ^2/NDF:117.0/4

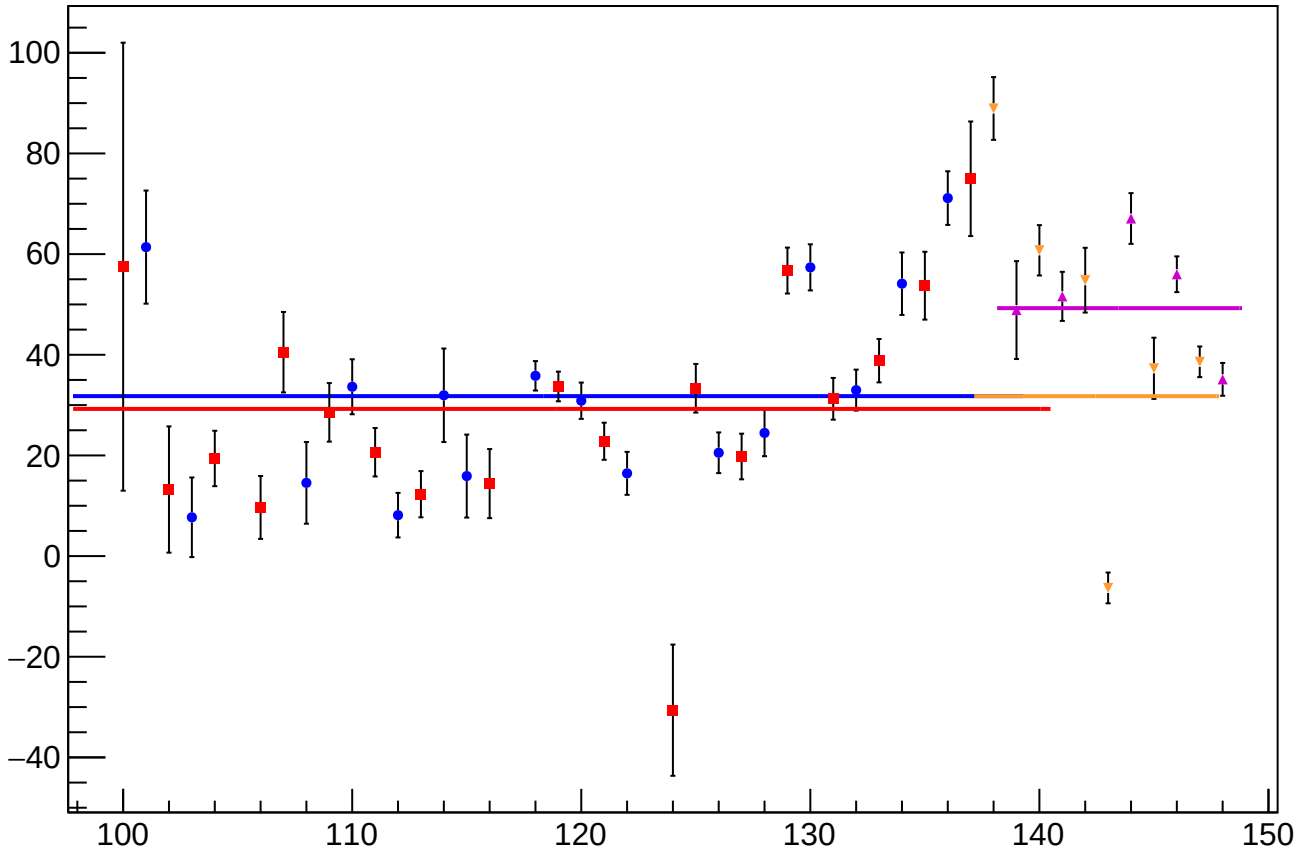
Left: 206.357+/-1.567 χ^2/NDF: 4534.0/10

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 211.378+/-1.068 χ^2/NDF:2689.7/20

Out: 186.306+/-1.007 χ^2/NDF:7487.7/24

All: 198.103+/-0.733 χ^2/NDF: 10469.0/45



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 31.774+/-1.736 χ^2/NDF:291.5/5

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 49.263+/-1.942 χ^2/NDF:35.1/4

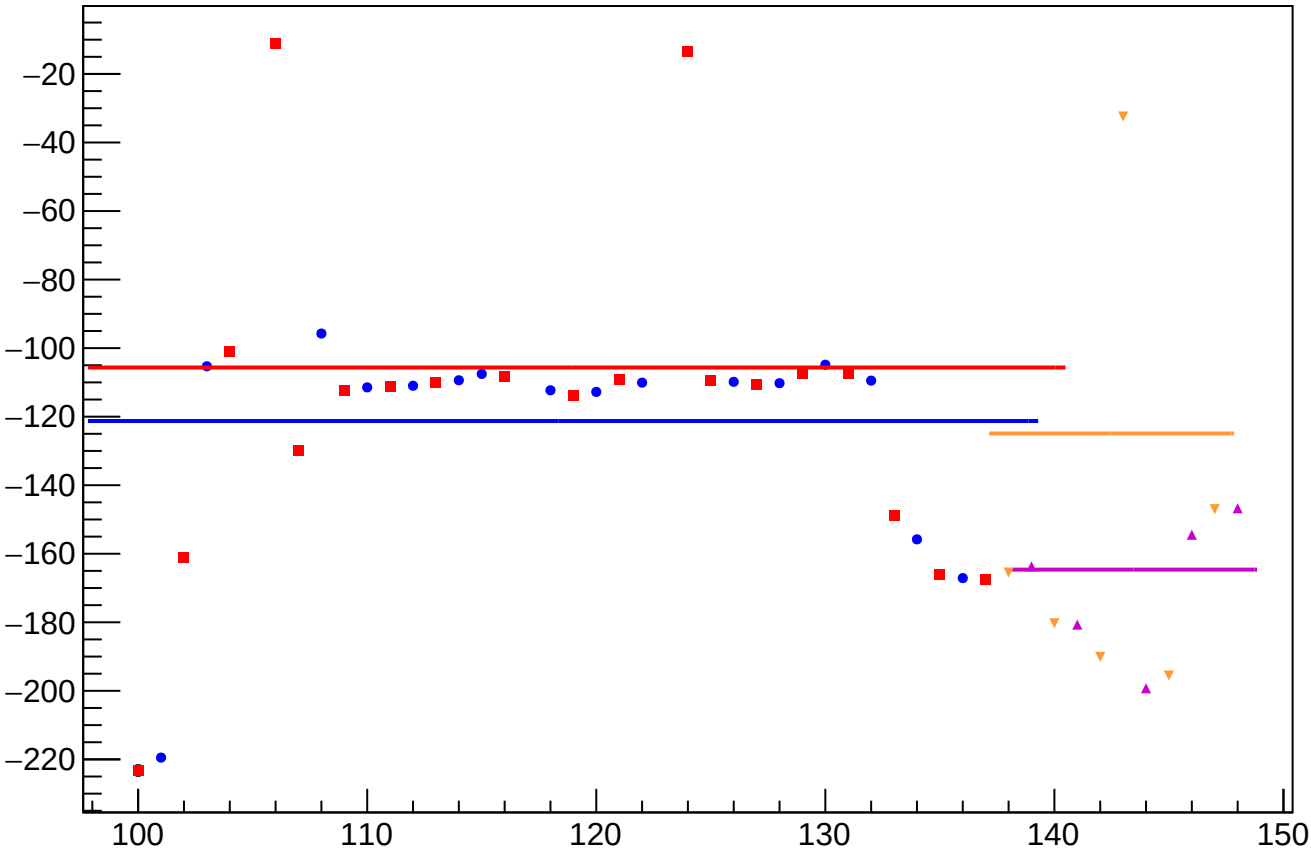
Left: 39.543+/-1.294 χ^2/NDF: 371.7/10

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 36.709+/-1.031 χ^2/NDF:270.3/20

Out: 30.059+/-0.985 χ^2/NDF:433.9/24

All: 33.233+/-0.712 χ^2/NDF: 725.9/45



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -124.915+/-0.088 χ^2/NDF:584590.9/5

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -164.632+/-0.097 χ^2/NDF:32653.6/4

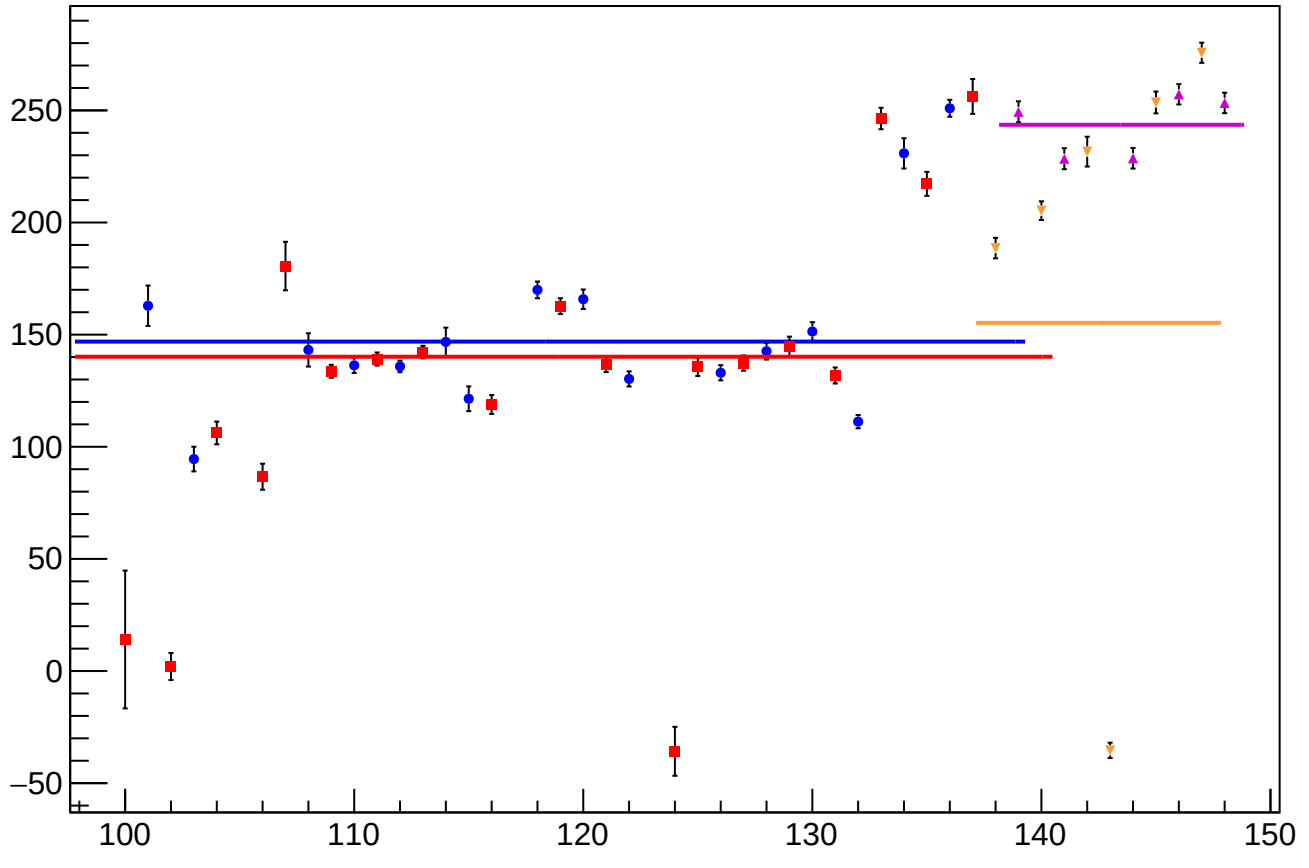
Left: -142.789+/-0.065 χ^2/NDF: 709465.7/10

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -138.621+/-0.061 χ^2/NDF:271950.7/20

Out: -113.752+/-0.057 χ^2/NDF:967603.8/24

All: -125.246+/-0.042 χ^2/NDF: 1327908.4/45



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 155.249+/-1.809 χ^2/NDF:4562.3/5

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 243.572+/-2.063 χ^2/NDF:36.0/4

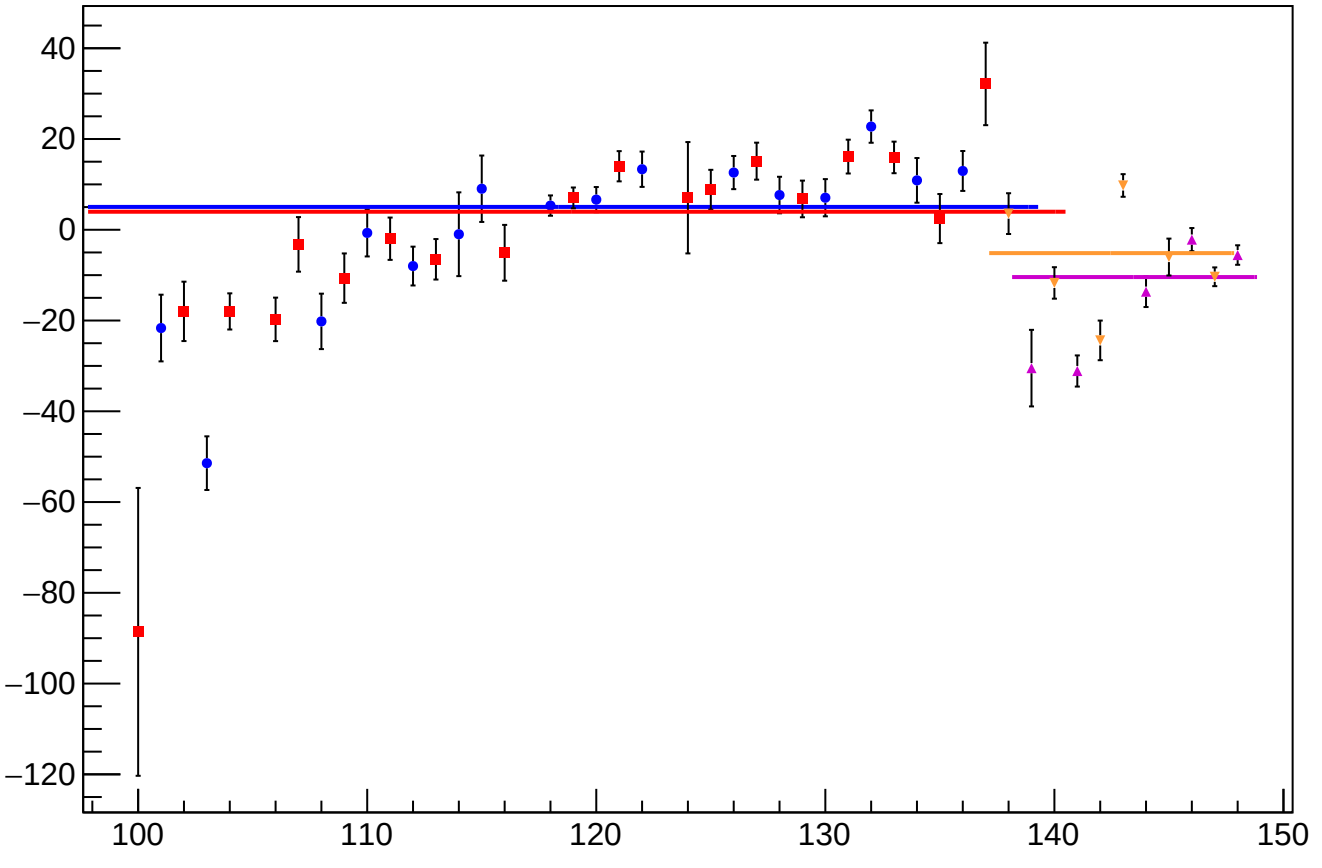
Left: 193.640+/-1.360 χ^2/NDF: 5634.1/10

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 165.388+/-0.902 χ^2/NDF:3113.0/20

Out: 143.469+/-0.848 χ^2/NDF:6567.2/24

All: 153.750+/-0.618 χ^2/NDF: 9993.6/45



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -5.145+/-1.249 χ^2/NDF:68.9/5

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -10.421+/-1.341 χ^2/NDF:58.5/4

Left: -7.596+/-0.914 χ^2/NDF: 135.6/10

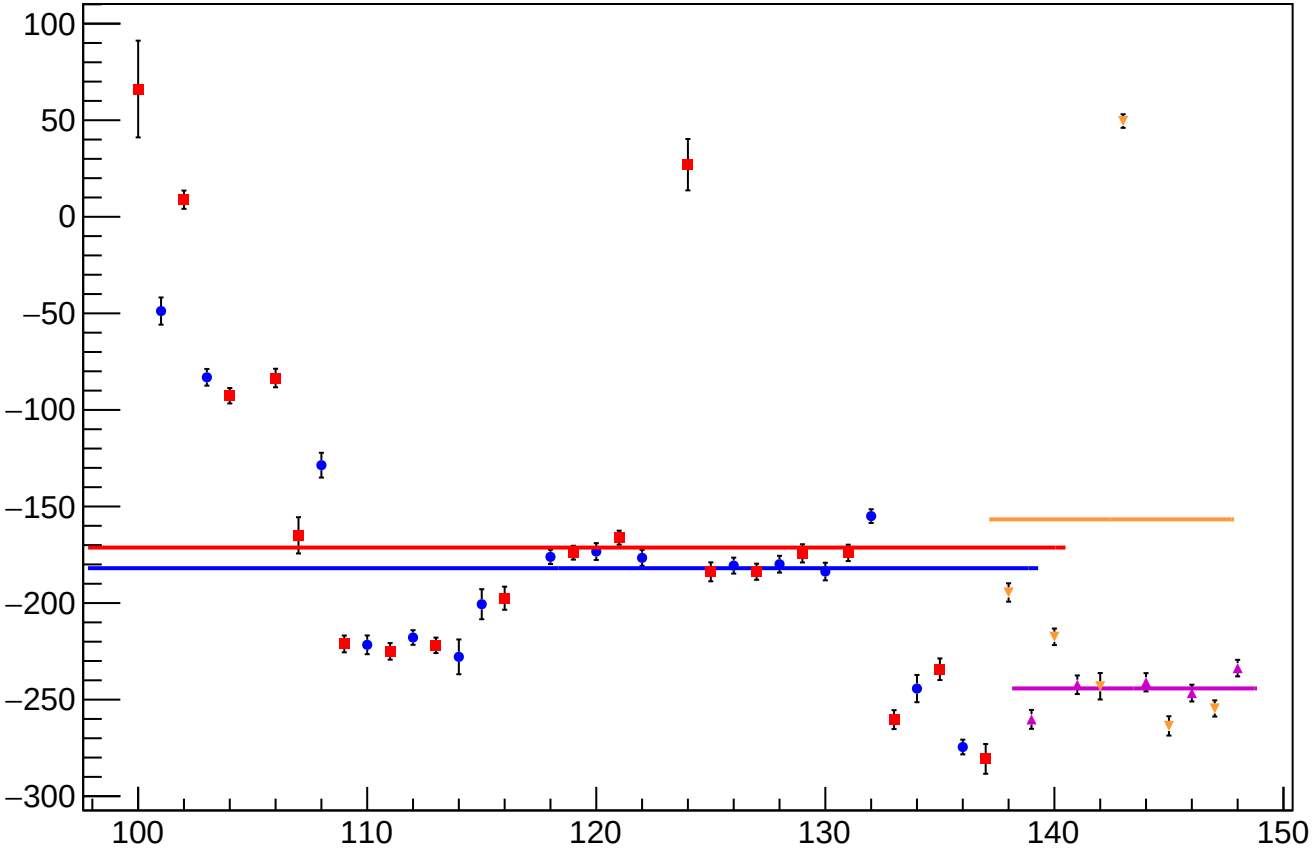
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.633+/-0.812 χ^2/NDF:314.4/20

Out: 0.362+/-0.786 χ^2/NDF:245.9/24

All: -0.120+/-0.565 χ^2/NDF: 561.1/45

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -156.648+/-1.833 χ^2/NDF:4866.1/5

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -244.195+/-2.052 χ^2/NDF:17.7/4

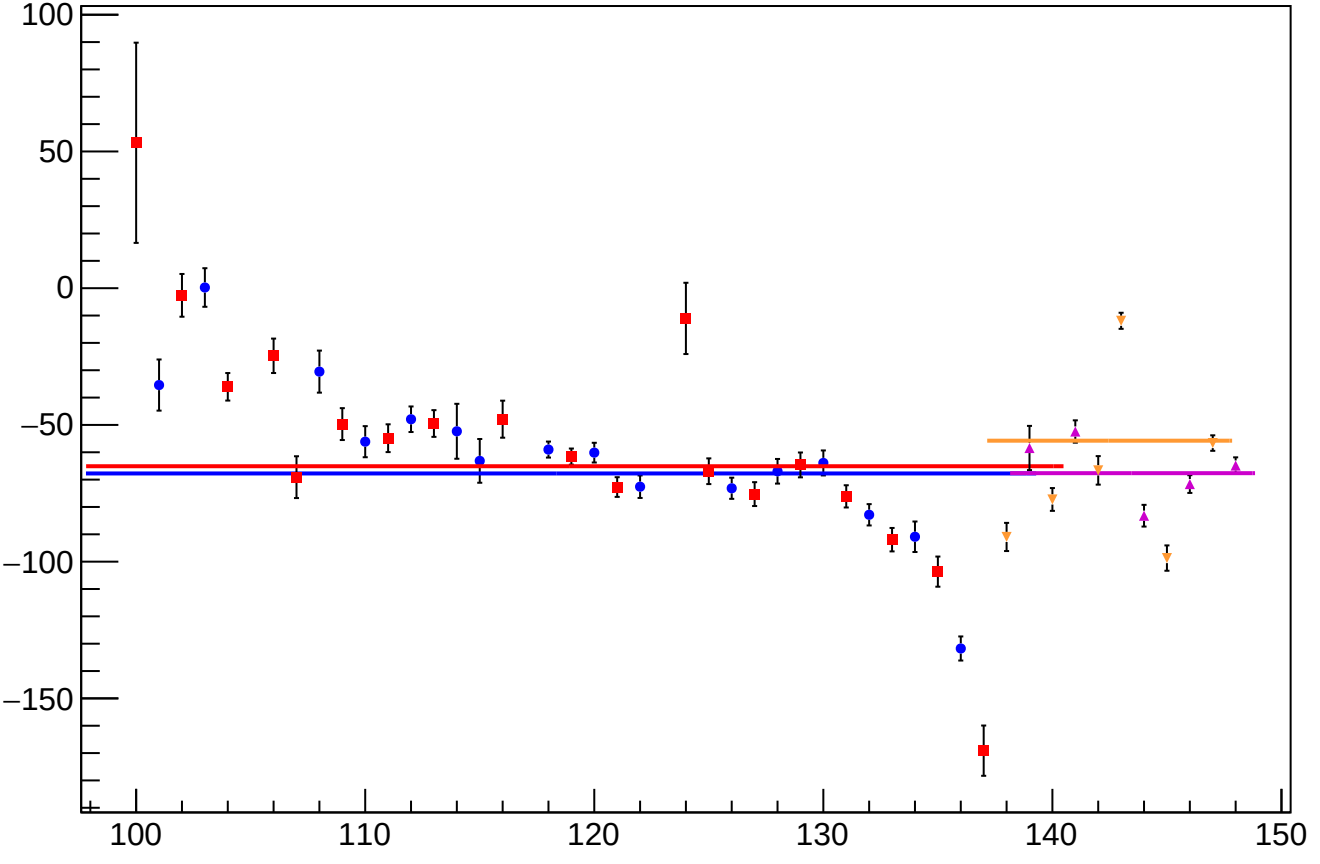
Left: -195.497+/-1.367 χ^2/NDF: 5896.4/10

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -196.904+/-1.006 χ^2/NDF:2587.3/20

Out: -167.334+/-0.950 χ^2/NDF:8540.8/24

All: -181.278+/-0.691 χ^2/NDF: 11584.8/45



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -55.762+/-1.545 χ^2/NDF:386.0/5

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -67.642+/-1.702 χ^2/NDF:32.9/4

Left: -61.130+/-1.144 χ^2/NDF: 445.7/10

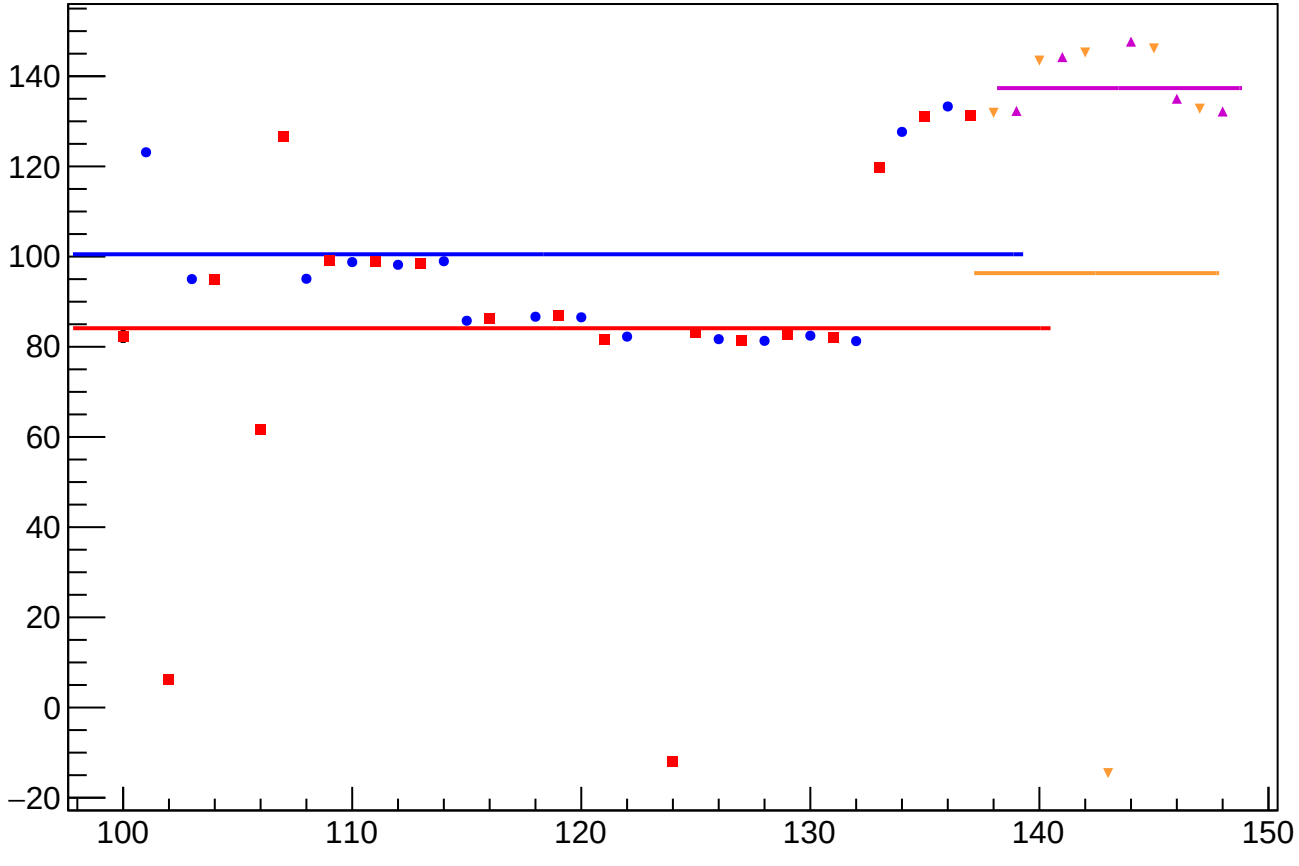
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -67.712+/-0.970 χ^2/NDF:447.0/20

Out: -61.713+/-0.931 χ^2/NDF:838.4/24

All: -64.589+/-0.672 χ^2/NDF: 1305.2/45

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 96.338+/-0.077 χ^2/NDF:804351.4/5

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 137.366+/-0.084 χ^2/NDF:5490.9/4

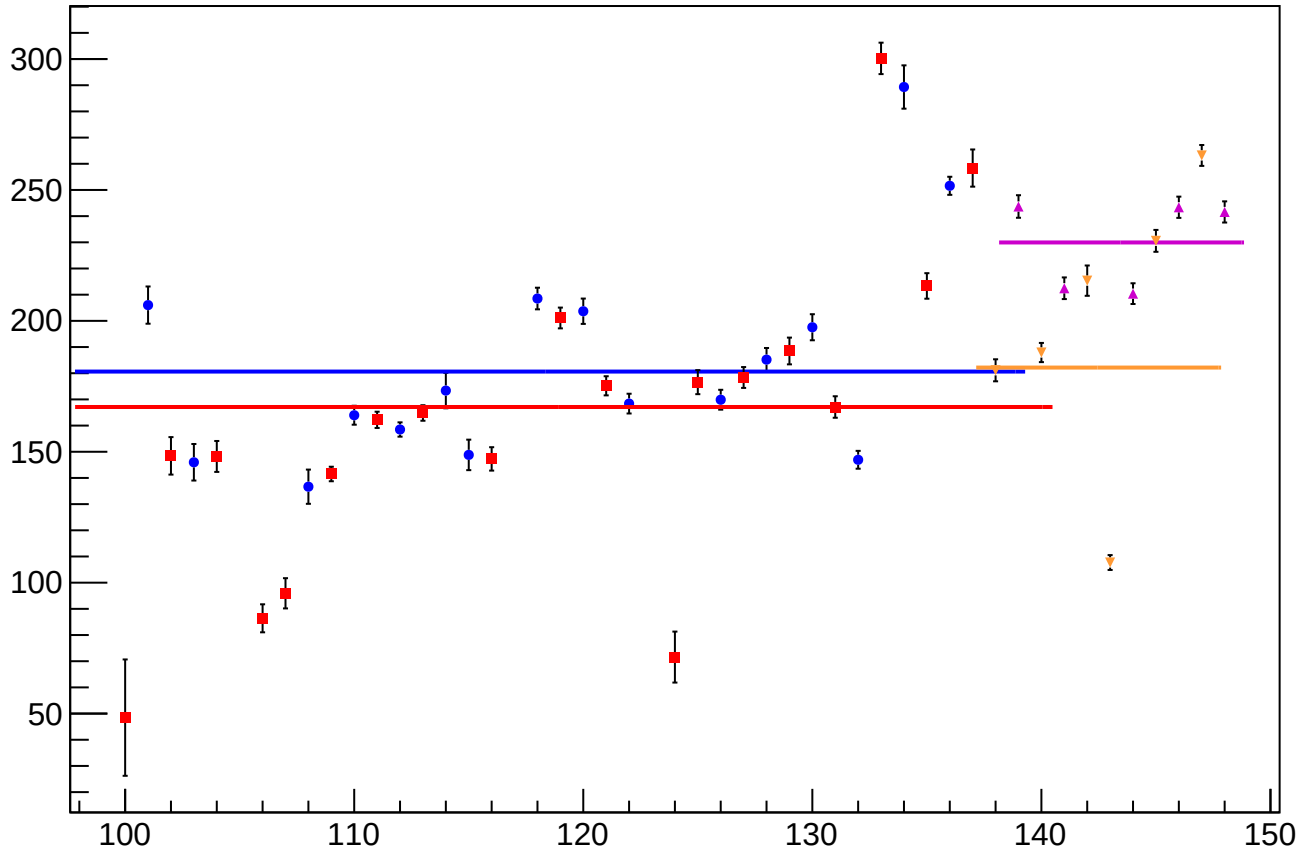
Left: 115.160+/-0.057 χ^2/NDF: 940090.6/10

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 116.689+/-0.055 χ^2/NDF:181883.3/20

Out: 89.577+/-0.051 χ^2/NDF:1082076.8/24

All: 102.136+/-0.038 χ^2/NDF: 1392478.8/45



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 182.163+/-1.572 χ^2/NDF:1268.6/5

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

Left: 202.423+/-1.193 χ^2/NDF: 1732.1/10

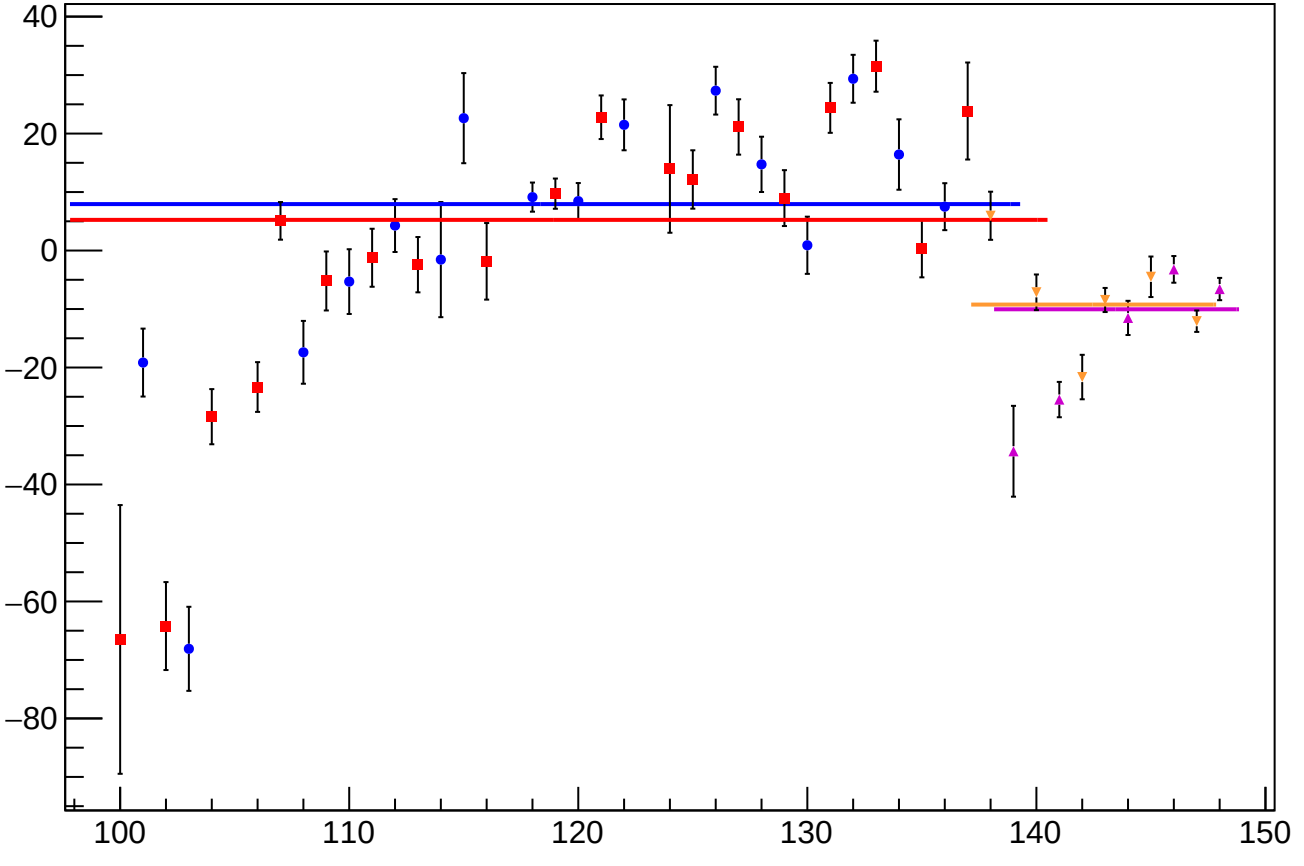
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 193.519+/-0.937 χ^2/NDF:1600.2/20

Out: 171.569+/-0.856 χ^2/NDF:2817.7/24

All: 181.562+/-0.632 χ^2/NDF: 4717.2/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

Left: -9.605+/-0.800 χ^2/NDF: 77.8/10

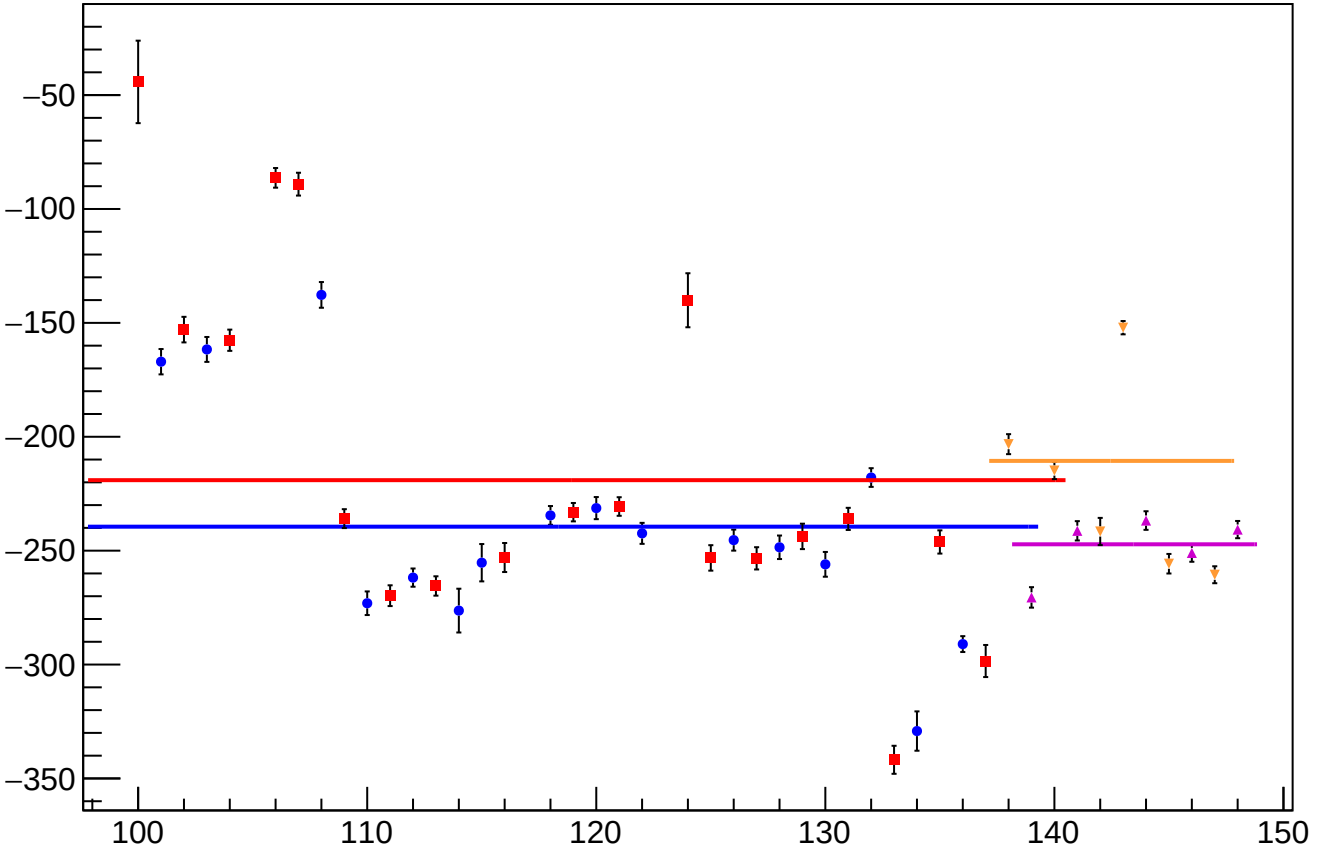
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.483+/-0.812 χ^2/NDF:403.6/20

Out: -1.857+/-0.758 χ^2/NDF:423.2/24

All: -1.216+/-0.554 χ^2/NDF: 828.4/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

Left: -226.459+/-1.199 χ^2/NDF: 990.8/10

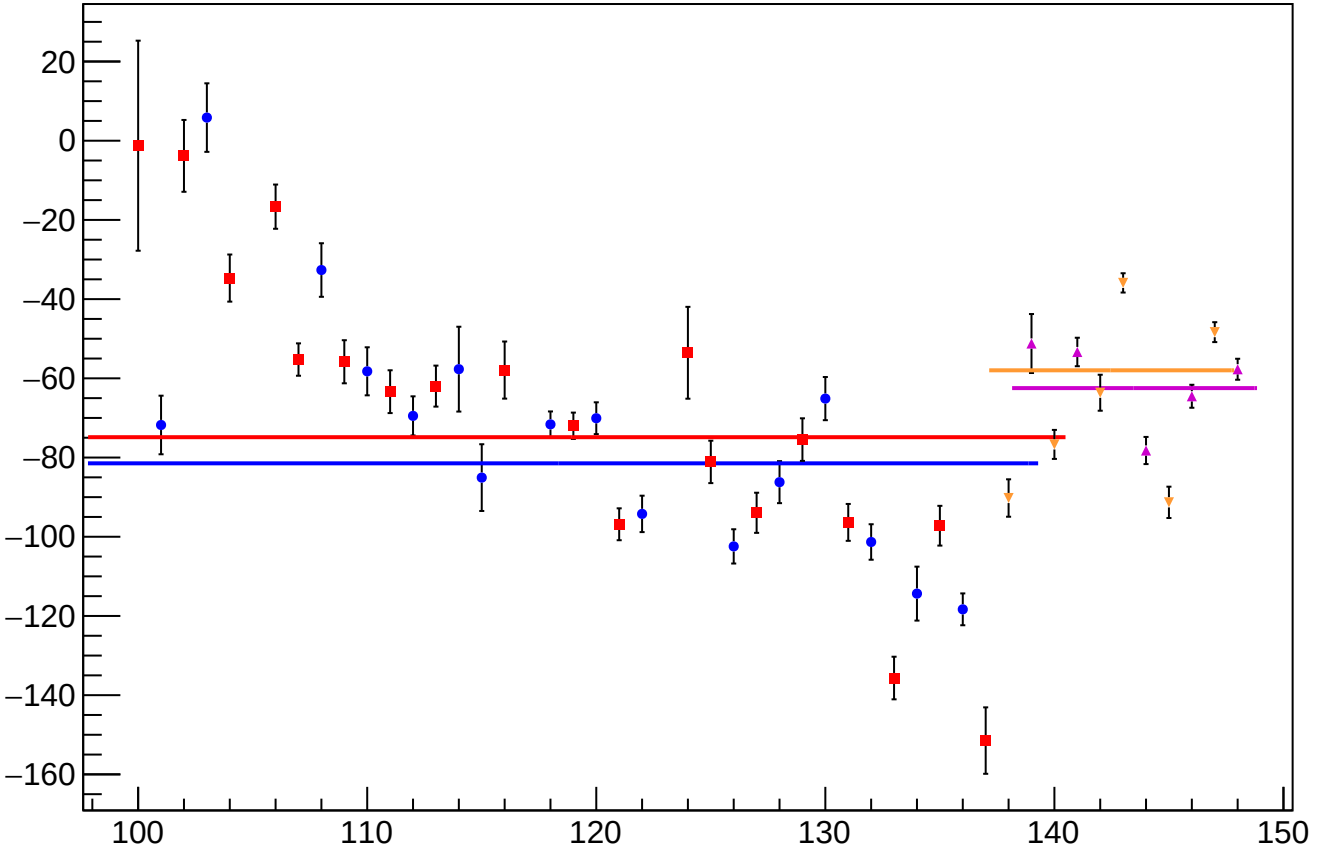
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.933+/-1.028 χ^2/NDF:1213.8/20

Out: -216.068+/-0.946 χ^2/NDF:3790.1/24

All: -227.930+/-0.696 χ^2/NDF: 5346.6/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

Left: -59.958+/-1.000 χ^2/NDF: 280.6/10

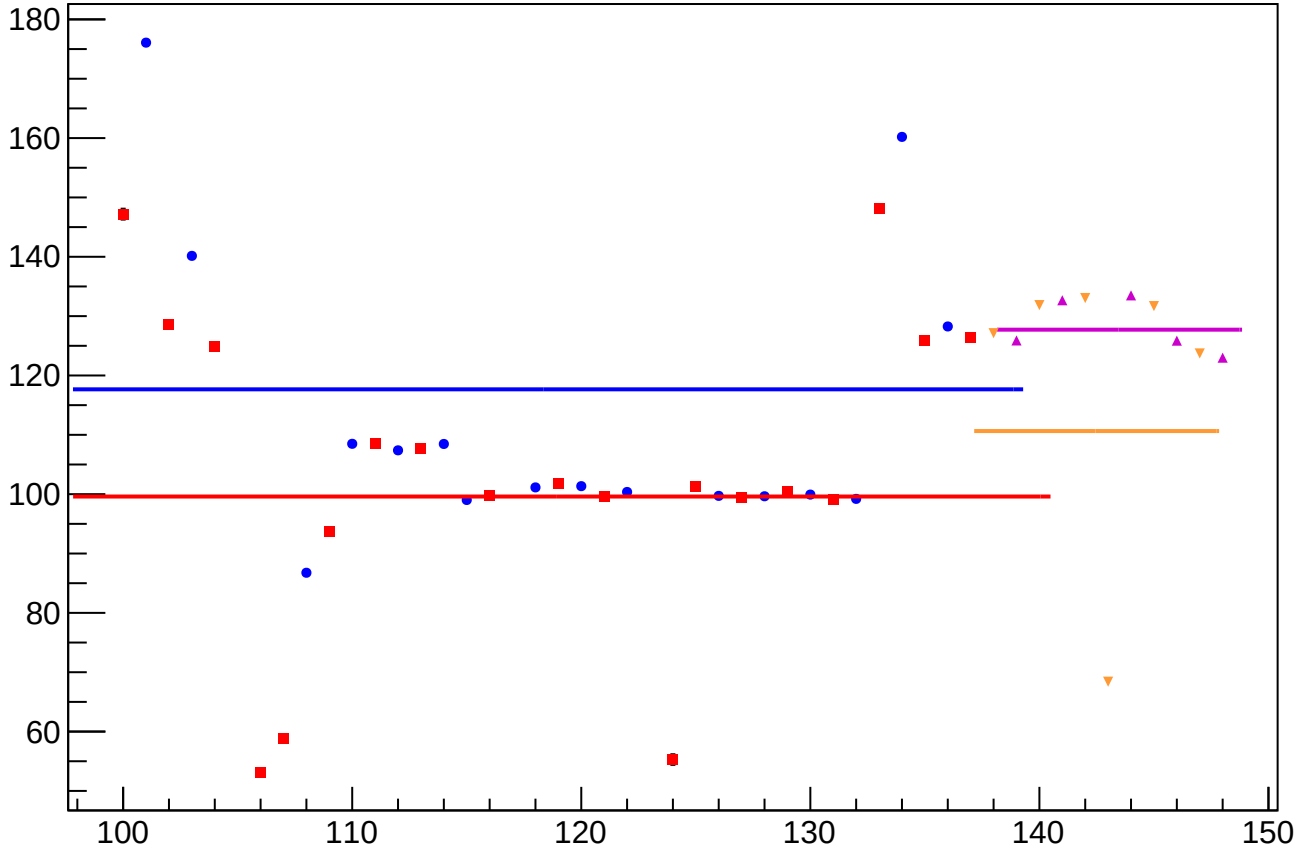
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.439+/-0.978 χ^2/NDF:492.1/20

Out: -67.128+/-0.906 χ^2/NDF:905.0/24

All: -70.041+/-0.665 χ^2/NDF: 1419.5/45

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: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

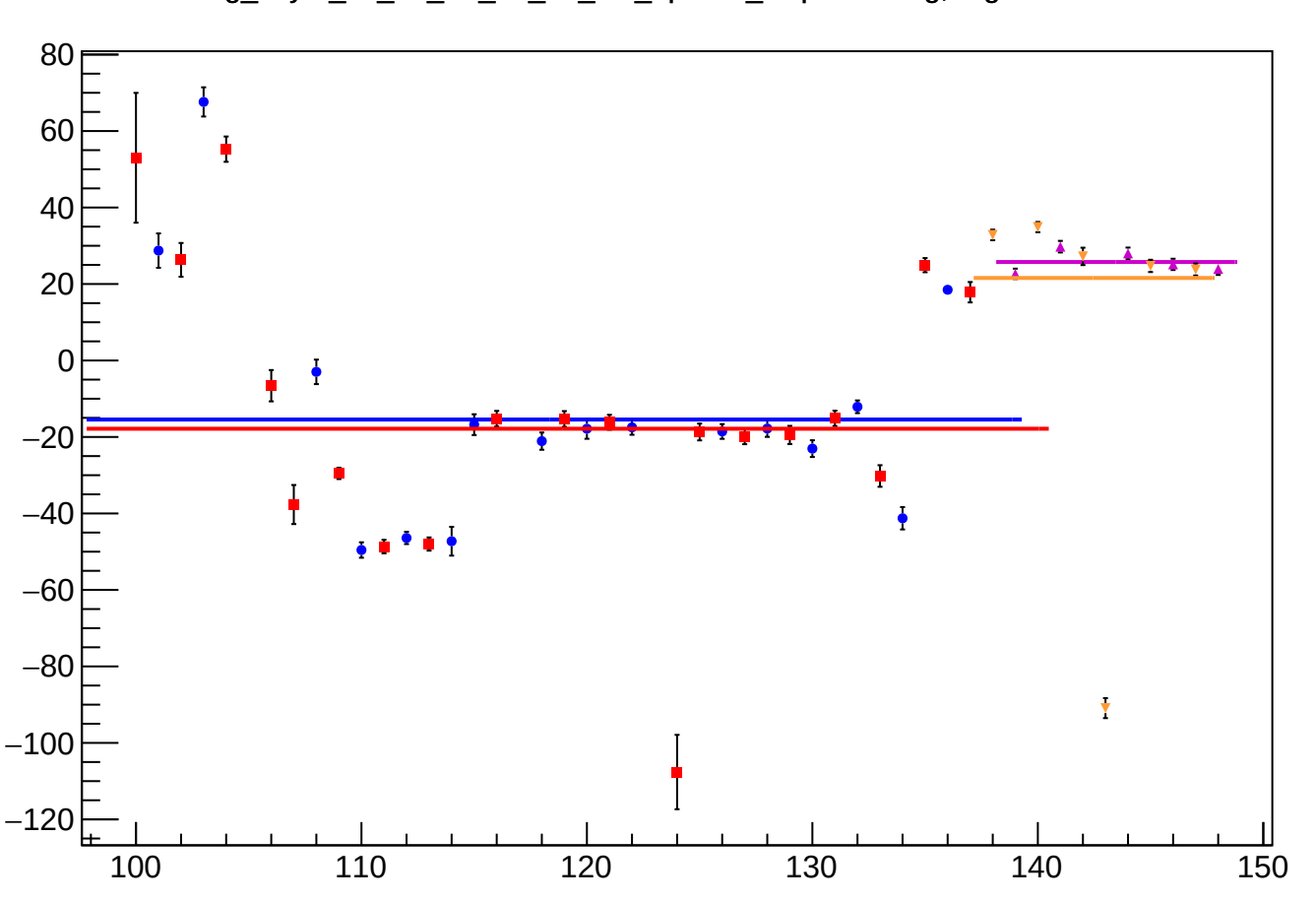
Left: 118.279+/-0.050 χ^2/NDF: 207224.2/10

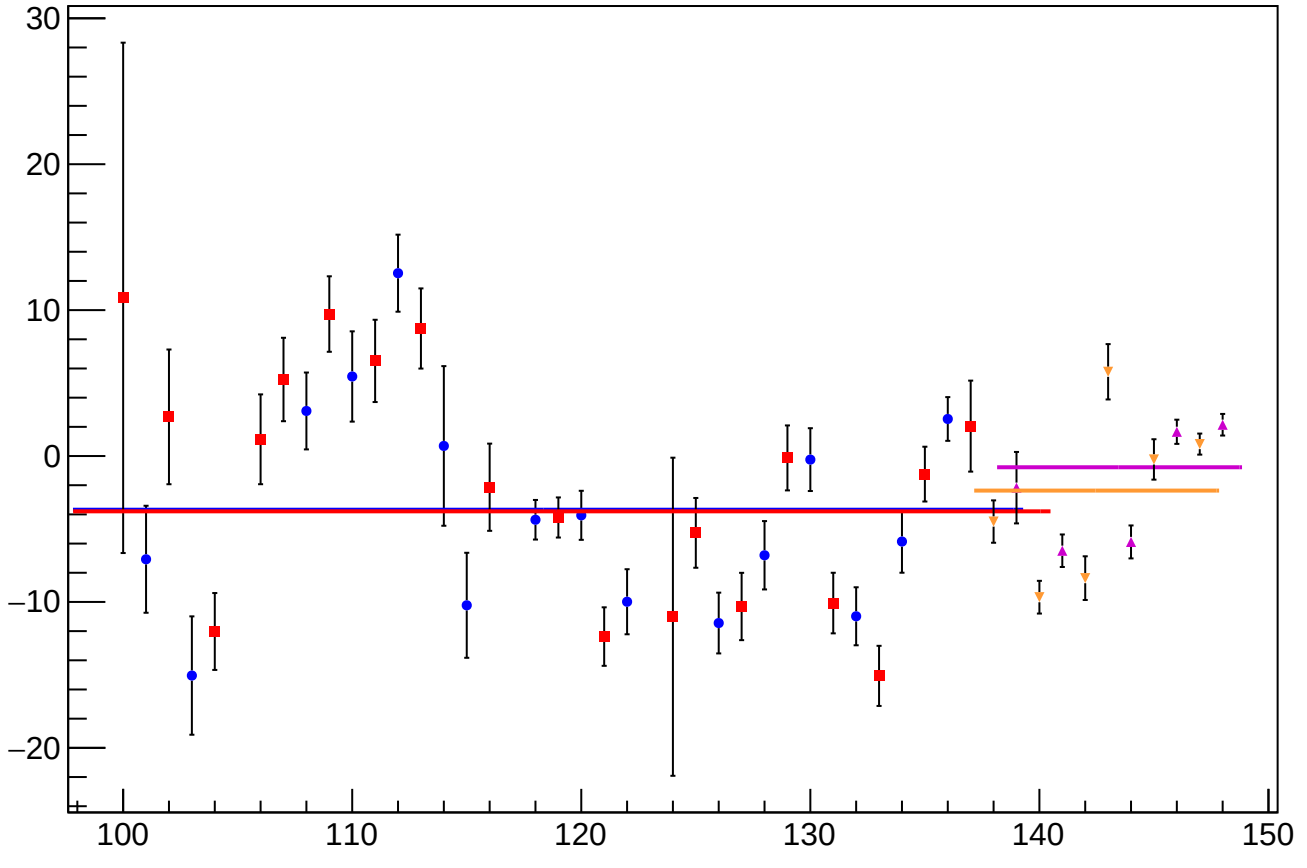
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.941+/-0.054 χ^2/NDF:107071.6/20

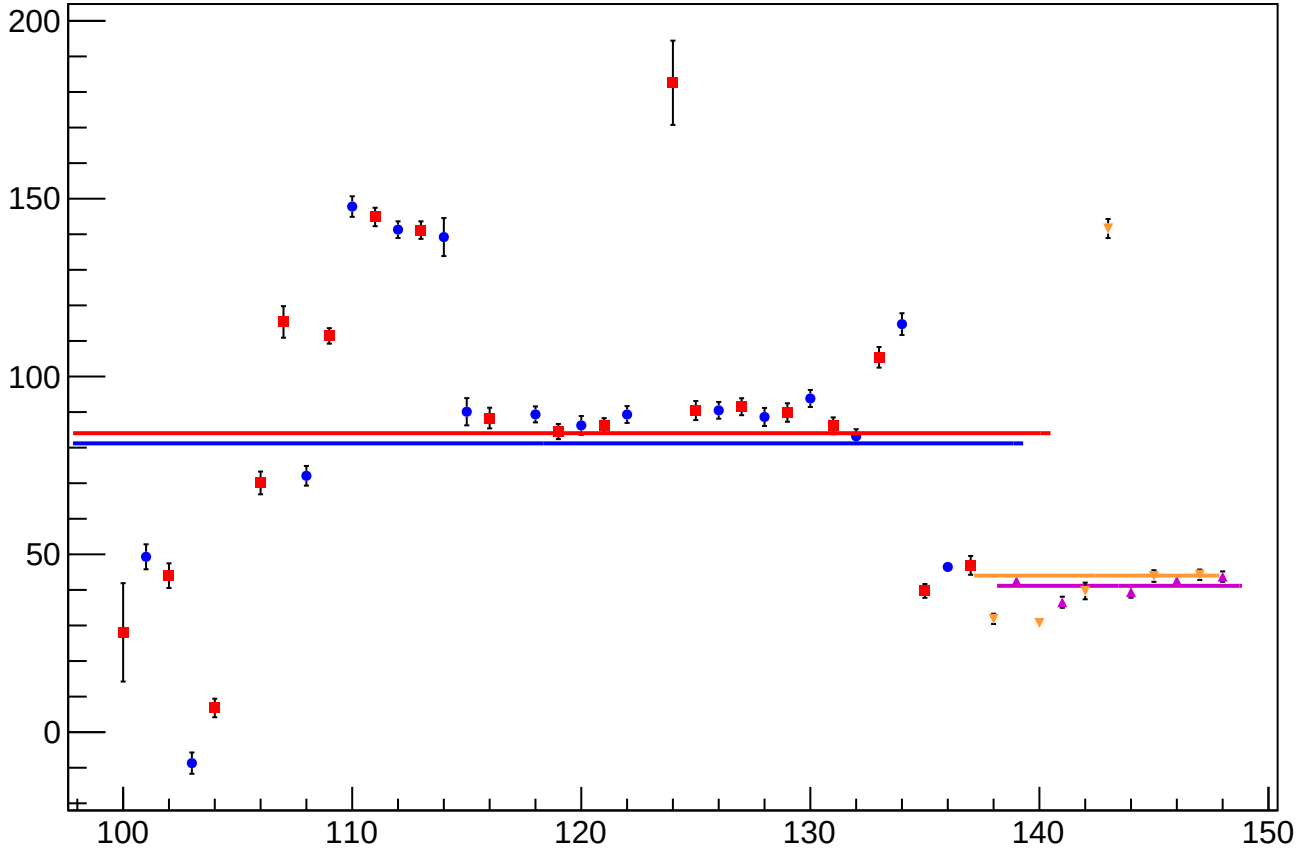
Out: 105.385+/-0.049 χ^2/NDF:354276.3/24

All: 113.233+/-0.036 χ^2/NDF: 519908.5/45


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 21.581+/-0.672 χ²/NDF:2030.7/5
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.754+/-0.663 χ²/NDF:15.9/4
Left: 23.697+/-0.472 χ²/NDF: 2066.1/10
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 0.957+/-0.418 χ²/NDF:4464.3/20
Out: -2.744+/-0.416 χ²/NDF:6279.0/24
All: -0.903+/-0.295 χ²/NDF: 10782.7/45


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -2.368+/-0.475 χ²/NDF:101.0/5
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.770+/-0.446 χ²/NDF:71.3/4
Left: -1.519+/-0.325 χ²/NDF: 178.3/10
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.918+/-0.347 χ²/NDF:212.1/20
Out: -2.958+/-0.363 χ²/NDF:265.9/24
All: -2.414+/-0.251 χ²/NDF: 482.3/45

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: 44.019+/-0.679 χ^2/NDF:1486.8/5

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

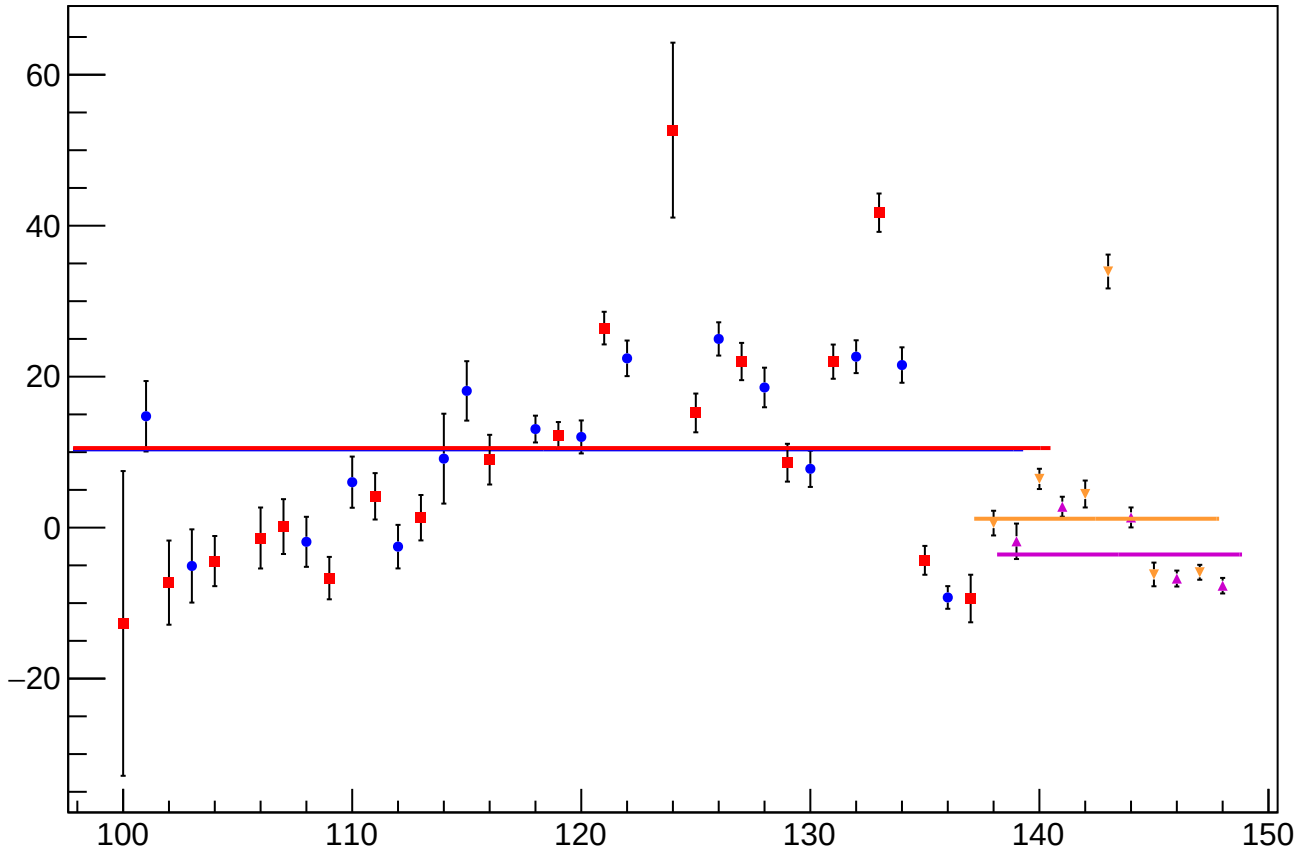
Left: 42.544+/-0.474 χ^2/NDF: 1511.2/10

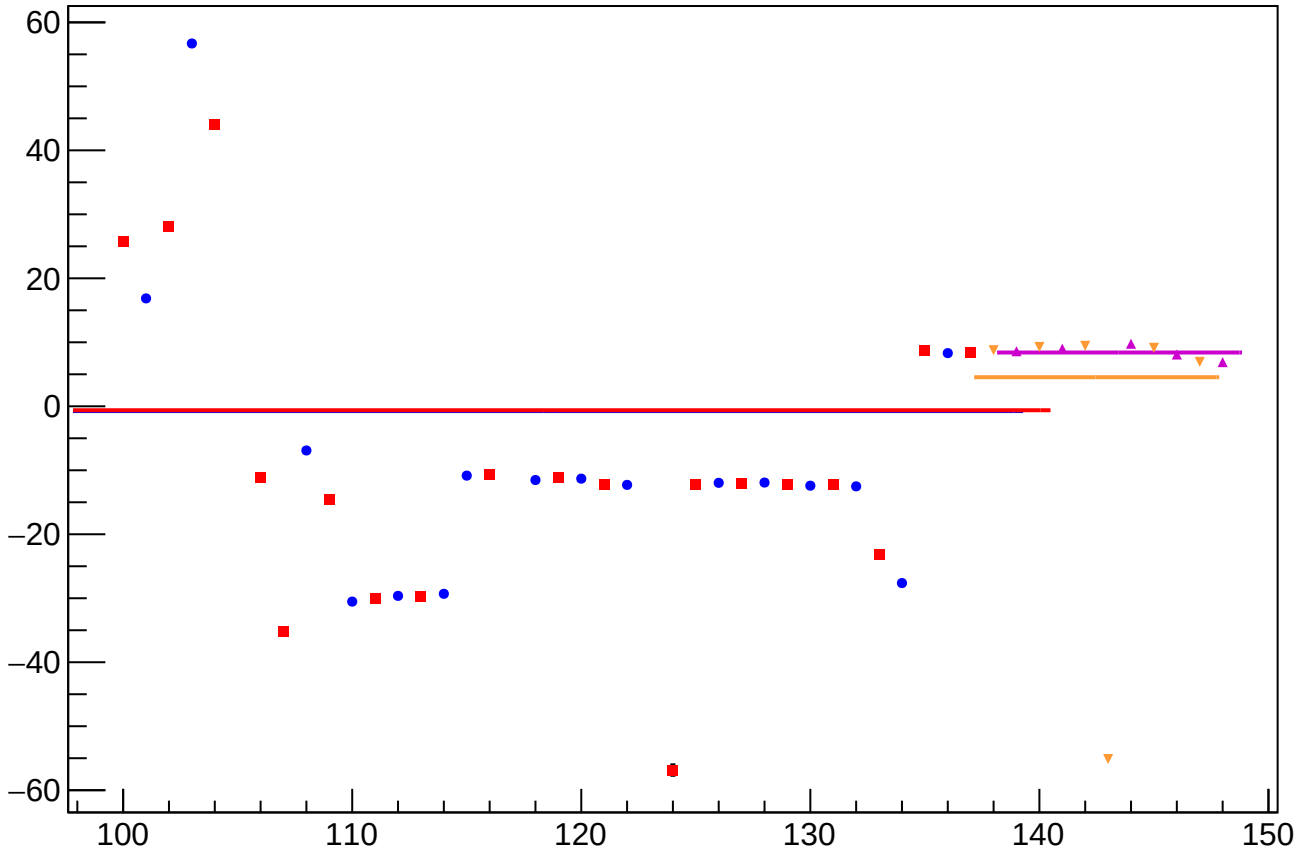
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 62.891+/-0.447 χ^2/NDF:5236.2/20

Out: 65.980+/-0.456 χ^2/NDF:6600.2/24

All: 64.405+/-0.319 χ^2/NDF: 11859.8/45


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 1.178+/-0.590 χ²/NDF:306.2/5
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.560+/-0.562 χ²/NDF:62.5/4
Left: -1.306+/-0.407 χ²/NDF: 402.5/10
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 2.652+/-0.418 χ²/NDF:696.0/20
Out: 5.477+/-0.434 χ²/NDF:892.5/24
All: 4.013+/-0.301 χ²/NDF: 1610.5/45



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

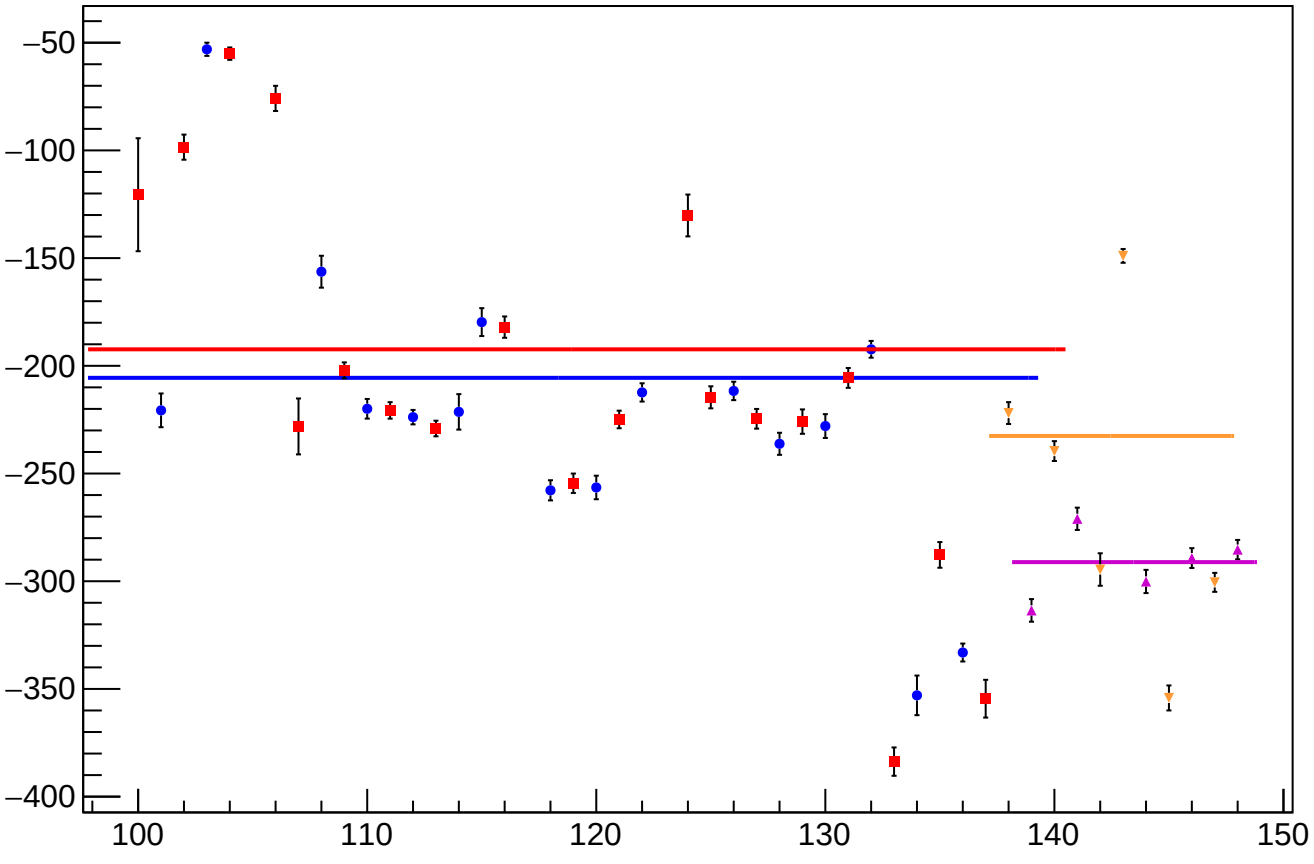
Left: 6.587+/-0.019 χ^2/NDF: 316705.6/10

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.138+/-0.021 χ^2/NDF:410955.3/20

Out: 2.656+/-0.023 χ^2/NDF:634359.7/24

All: 3.961+/-0.016 χ^2/NDF: 1051668.7/45



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -232.556+/-1.883 χ^2/NDF:1430.2/5

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -291.129+/-2.211 χ^2/NDF:38.0/4

Left: -257.180+/-1.433 χ^2/NDF: 1875.1/10

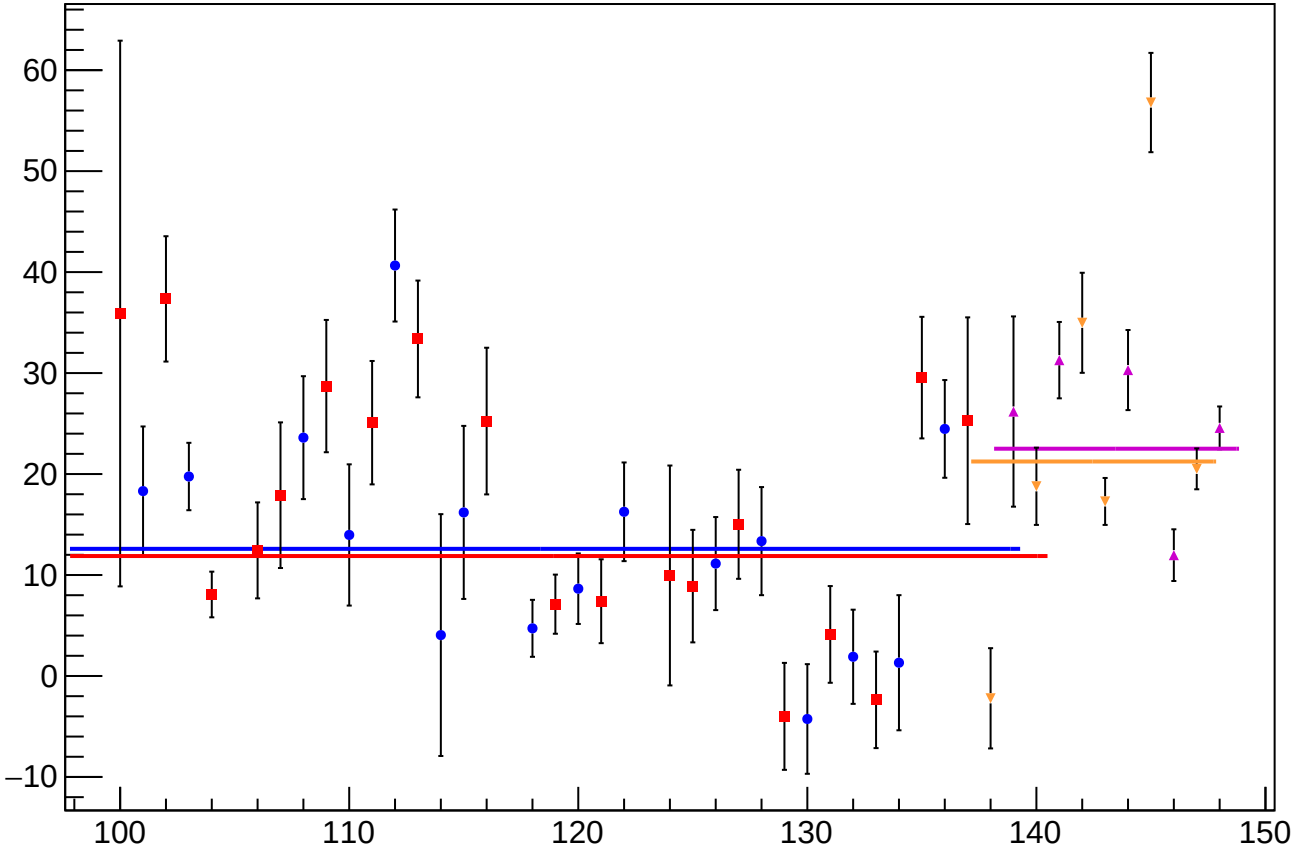
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -224.666+/-1.044 χ^2/NDF:5257.5/20

Out: -202.890+/-0.964 χ^2/NDF:6736.6/24

All: -212.912+/-0.708 χ^2/NDF: 12228.9/45

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: 21.243+/-1.270 χ^2/NDF:85.7/5

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 22.509+/-1.387 χ^2/NDF:27.3/4

Left: 21.820+/-0.937 χ^2/NDF: 113.4/10

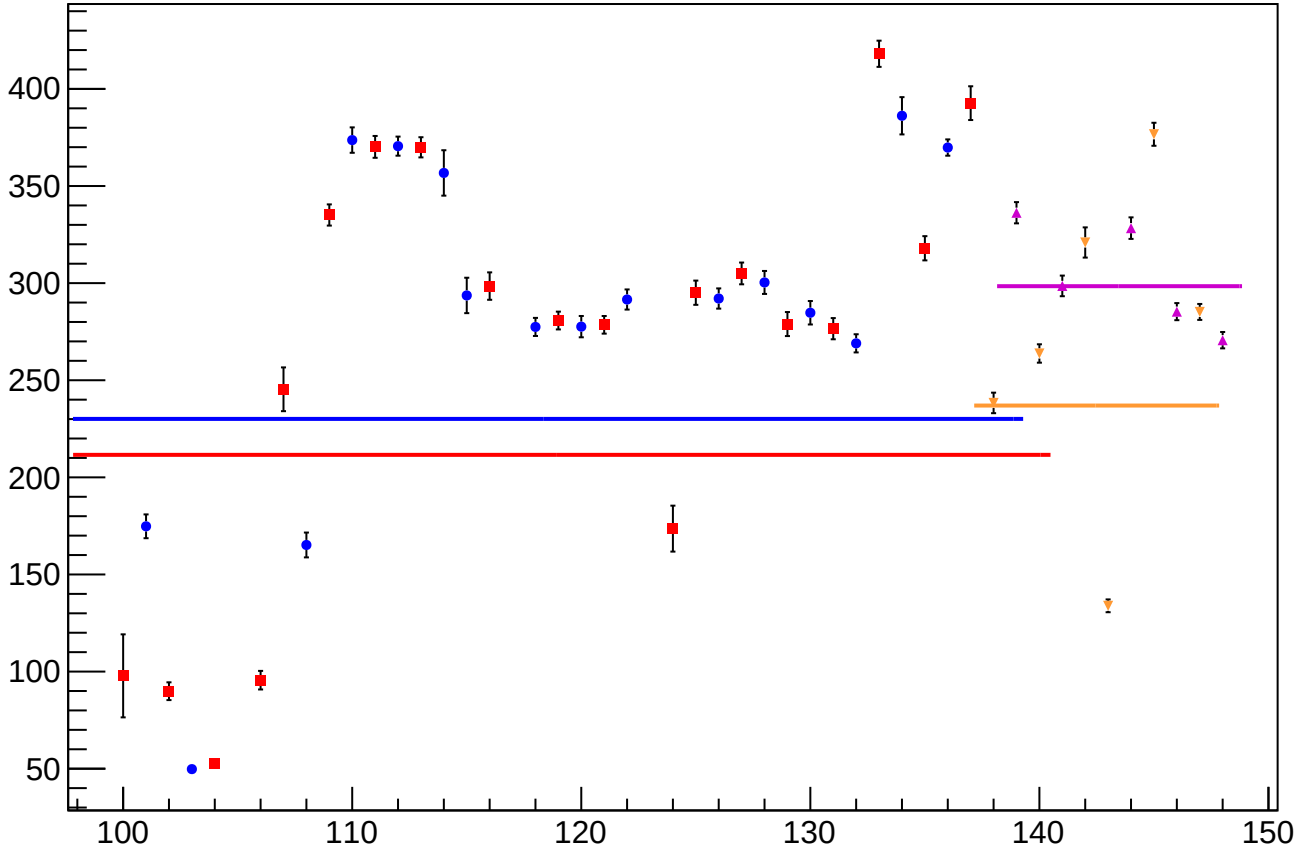
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 16.848+/-0.909 χ^2/NDF:125.0/20

Out: 15.984+/-0.841 χ^2/NDF:201.2/24

All: 16.382+/-0.617 χ^2/NDF: 326.6/45

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: 236.971+/-1.901 χ^2/NDF:1819.7/5

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 298.427+/-2.186 χ^2/NDF:129.3/4

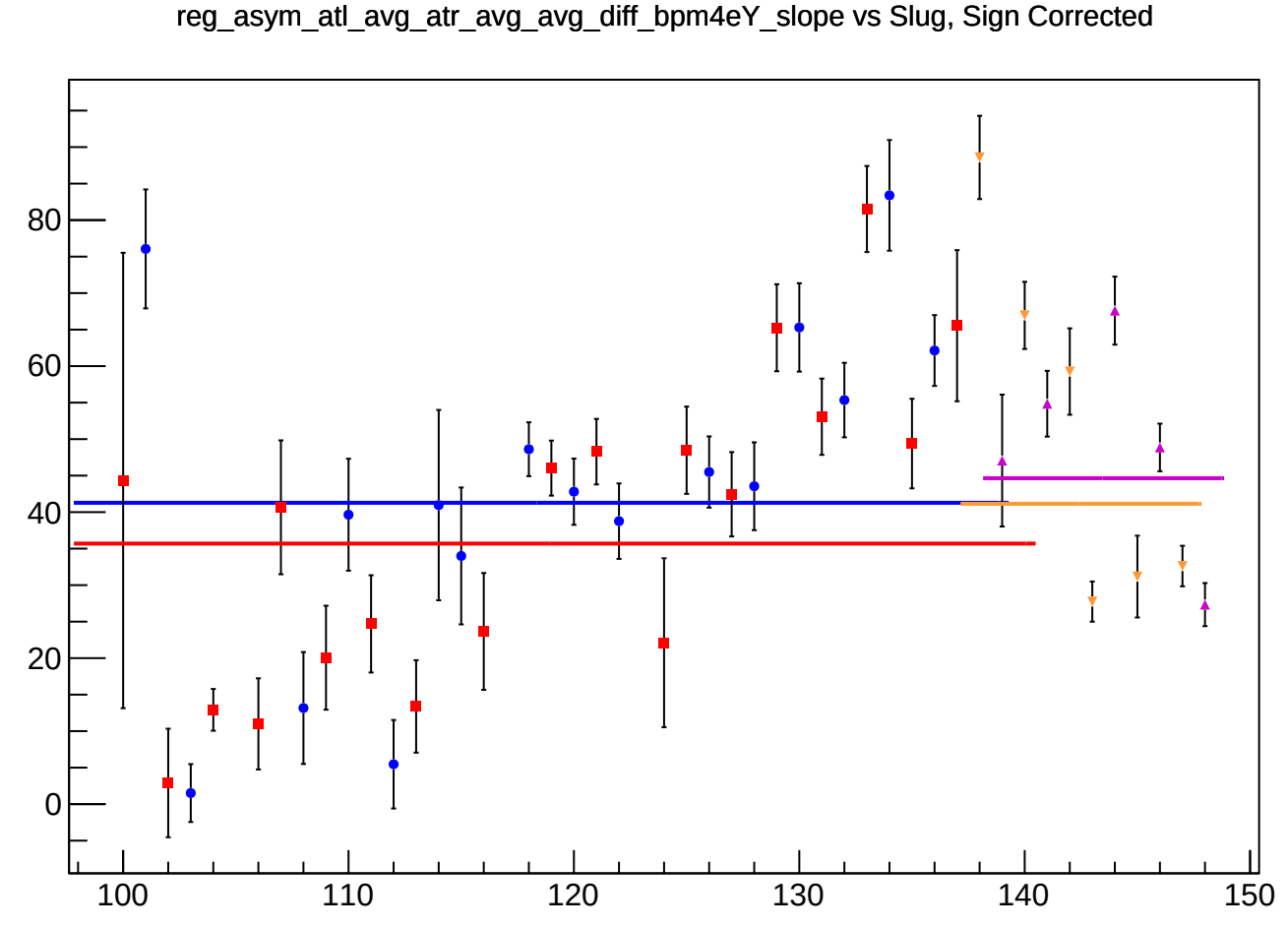
Left: 263.443+/-1.434 χ^2/NDF: 2399.1/10

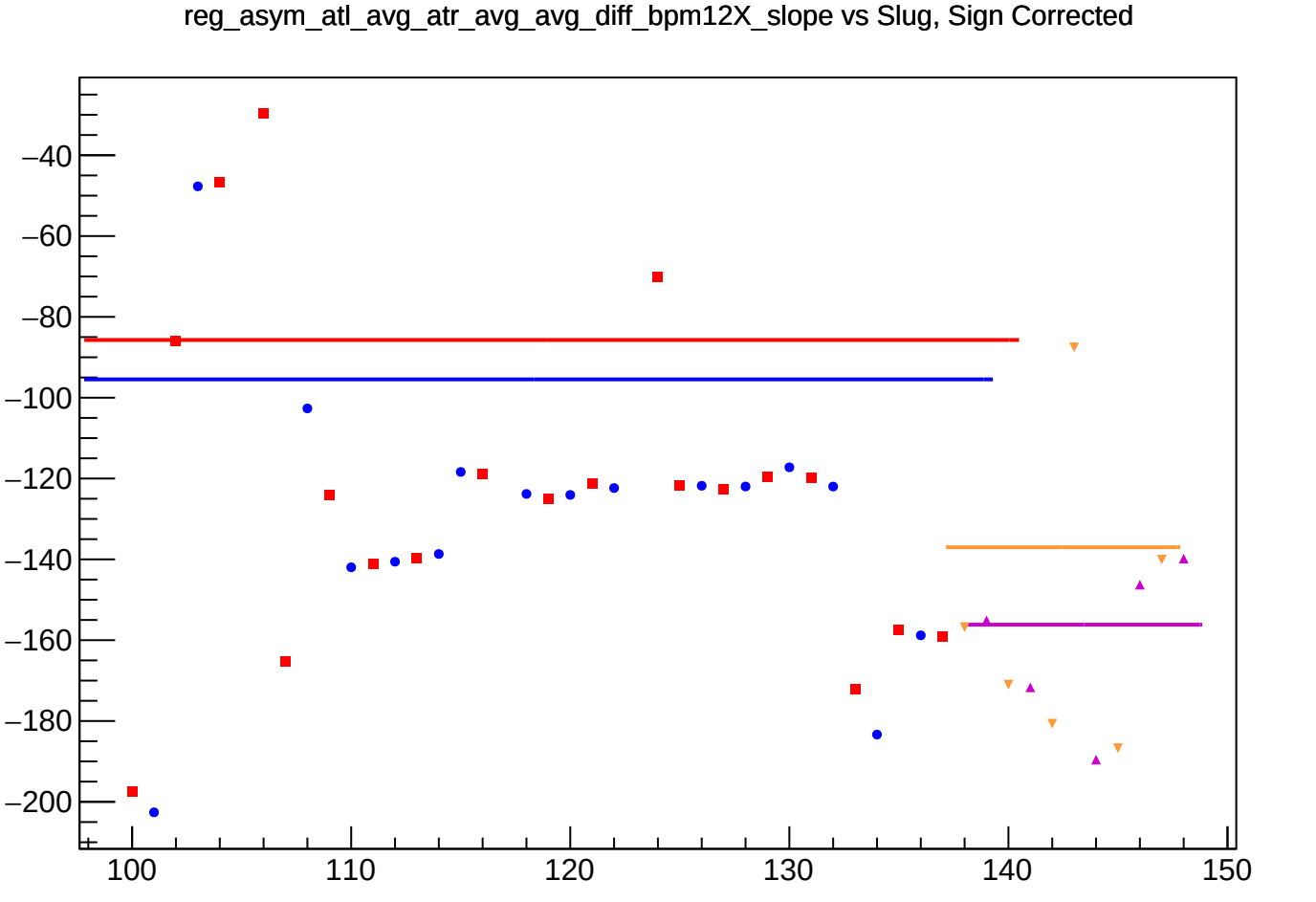
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 247.133+/-1.091 χ^2/NDF:10238.7/20

Out: 218.779+/-1.012 χ^2/NDF:13419.6/24

All: 231.887+/-0.742 χ^2/NDF: 24021.3/45


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
110
120
130
140
150
Right In: 41.282+/-1.398 χ2/NDF: 245.8/15
Left Out: 41.143+/-1.580 χ2/NDF:146.4/5
Right Out: 35.692+/-1.317 χ2/NDF: 253.2/18
Left In: 44.643+/-1.778 χ2/NDF:65.6/4
Left: 42.687+/-1.181 χ2/NDF: 214.2/10
Right: 38.321+/-0.958 χ2/NDF: 507.4/34
In: 42.565+/-1.099 χ2/NDF:313.5/20
Out: 37.926+/-1.012 χ2/NDF:406.6/24
All: 40.055+/-0.744 χ2/NDF: 729.8/45



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.009+/-0.080 χ^2/NDF:228047.5/5

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -156.165+/-0.089 χ^2/NDF:35018.6/4

Left: -145.578+/-0.060 χ^2/NDF: 288584.3/10

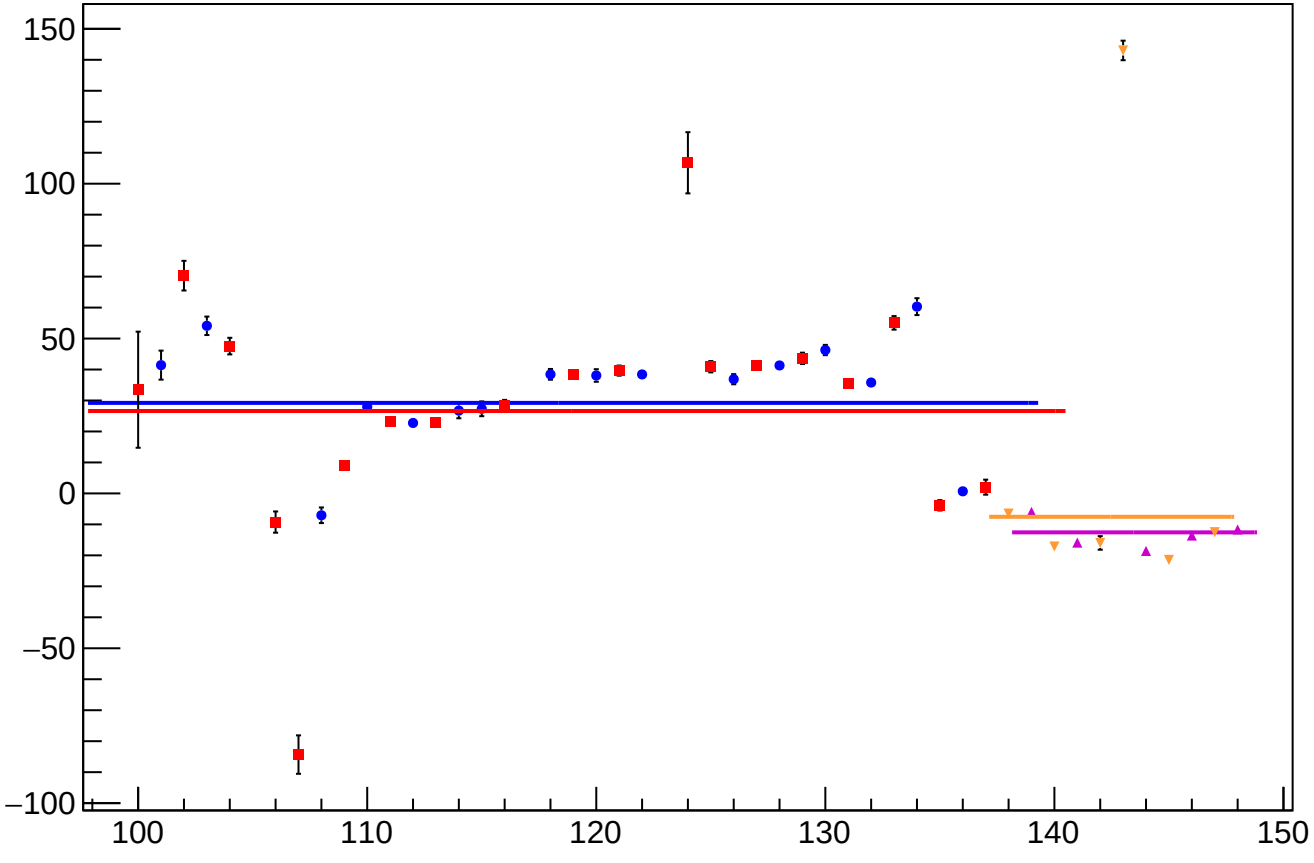
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -118.394+/-0.055 χ^2/NDF:843451.4/20

Out: -106.779+/-0.051 χ^2/NDF:951678.1/24

All: -112.216+/-0.037 χ^2/NDF: 1819034.9/45

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.551+/-0.640 χ^2/NDF:2441.1/5

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.576+/-0.618 χ^2/NDF:51.7/4

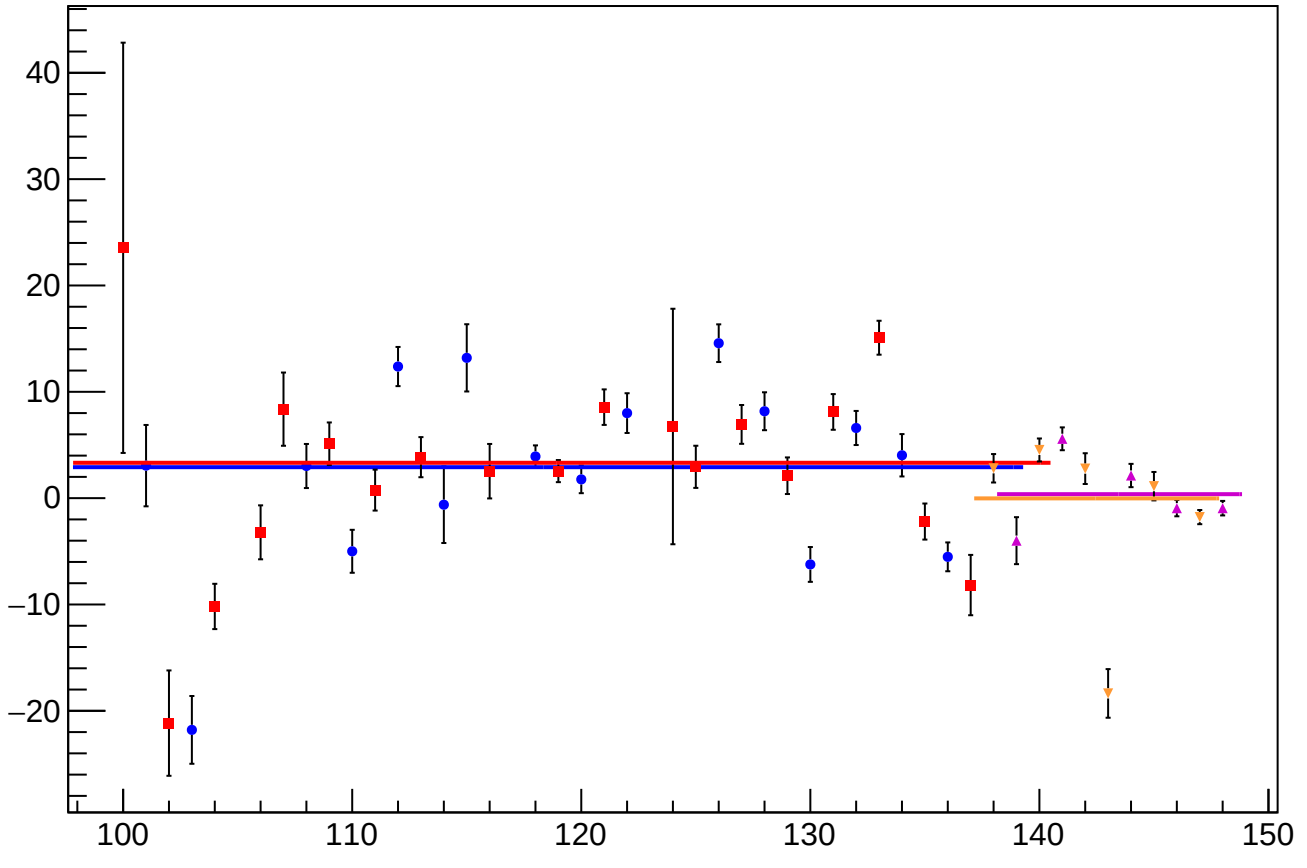
Left: -10.149+/-0.445 χ^2/NDF: 2524.8/10

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 15.847+/-0.350 χ^2/NDF:4502.6/20

Out: 16.522+/-0.348 χ^2/NDF:6371.3/24

All: 16.186+/-0.247 χ^2/NDF: 10875.8/45



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

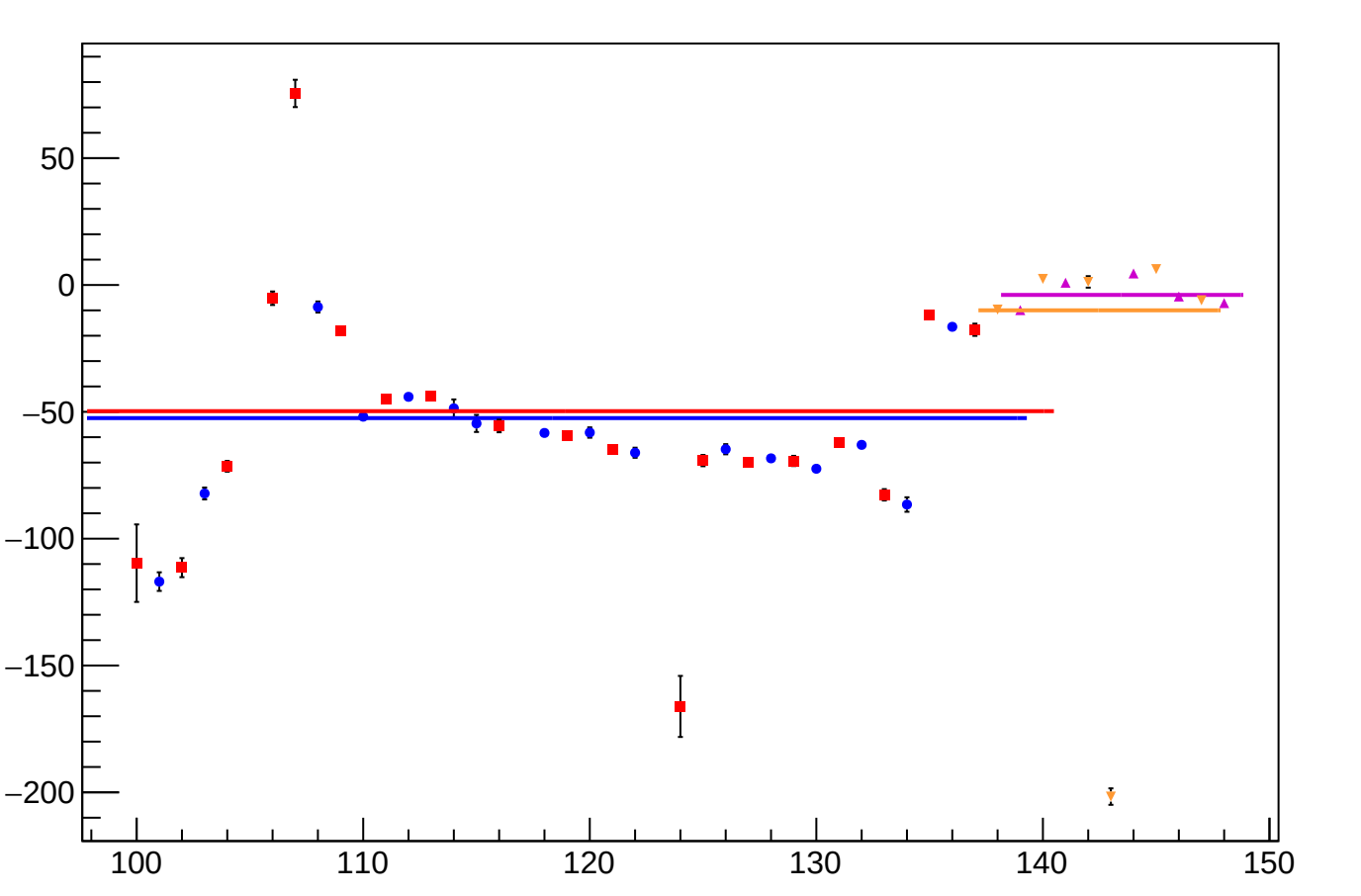
Left: 0.192+/-0.306 χ^2/NDF: 135.1/10

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.567+/-0.303 χ^2/NDF:304.1/20

Out: 1.646+/-0.320 χ^2/NDF:307.1/24

All: 1.604+/-0.220 χ^2/NDF: 611.3/45



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

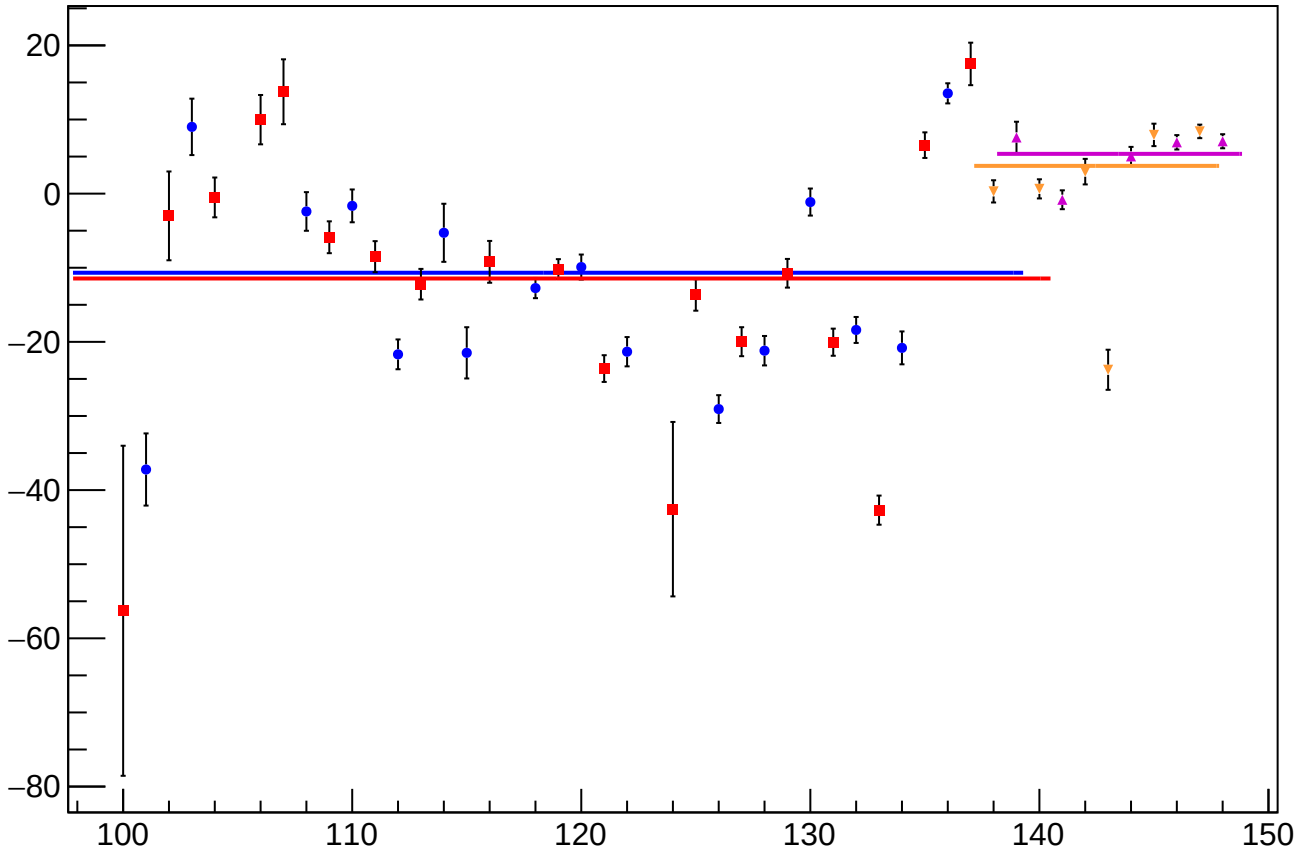
Left: -6.810+/-0.446 χ^2/NDF: 3832.6/10

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -33.781+/-0.383 χ^2/NDF:6212.2/20

Out: -35.056+/-0.392 χ^2/NDF:9117.5/24

All: -34.403+/-0.274 χ^2/NDF: 15335.2/45



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.366+/-0.526 χ^2/NDF:30.6/4

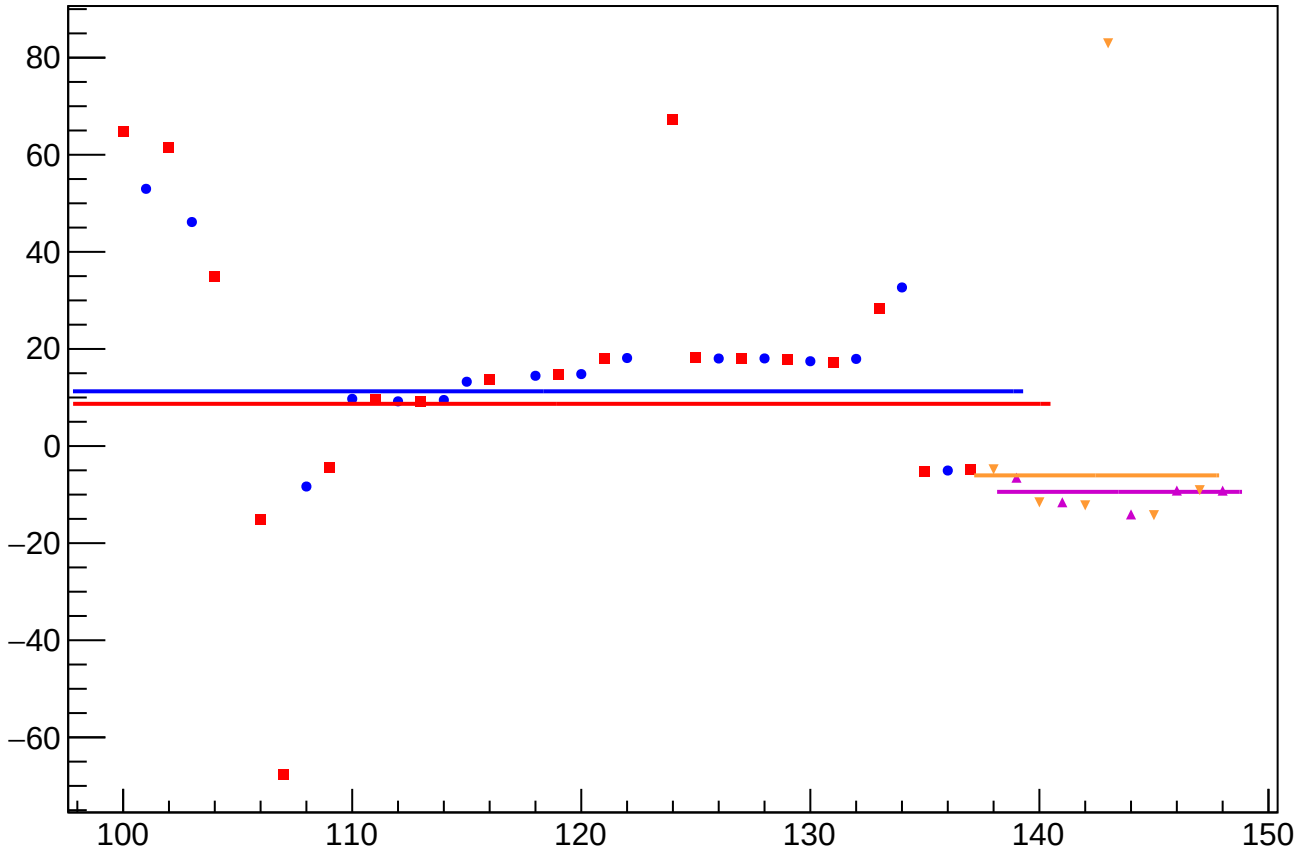
Left: 4.611+/-0.384 χ^2/NDF: 183.3/10

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -2.973+/-0.364 χ^2/NDF:1180.6/20

Out: -4.513+/-0.380 χ^2/NDF:1209.8/24

All: -3.710+/-0.263 χ^2/NDF: 2398.9/45



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.433+/-0.025 χ^2/NDF:10032.9/4

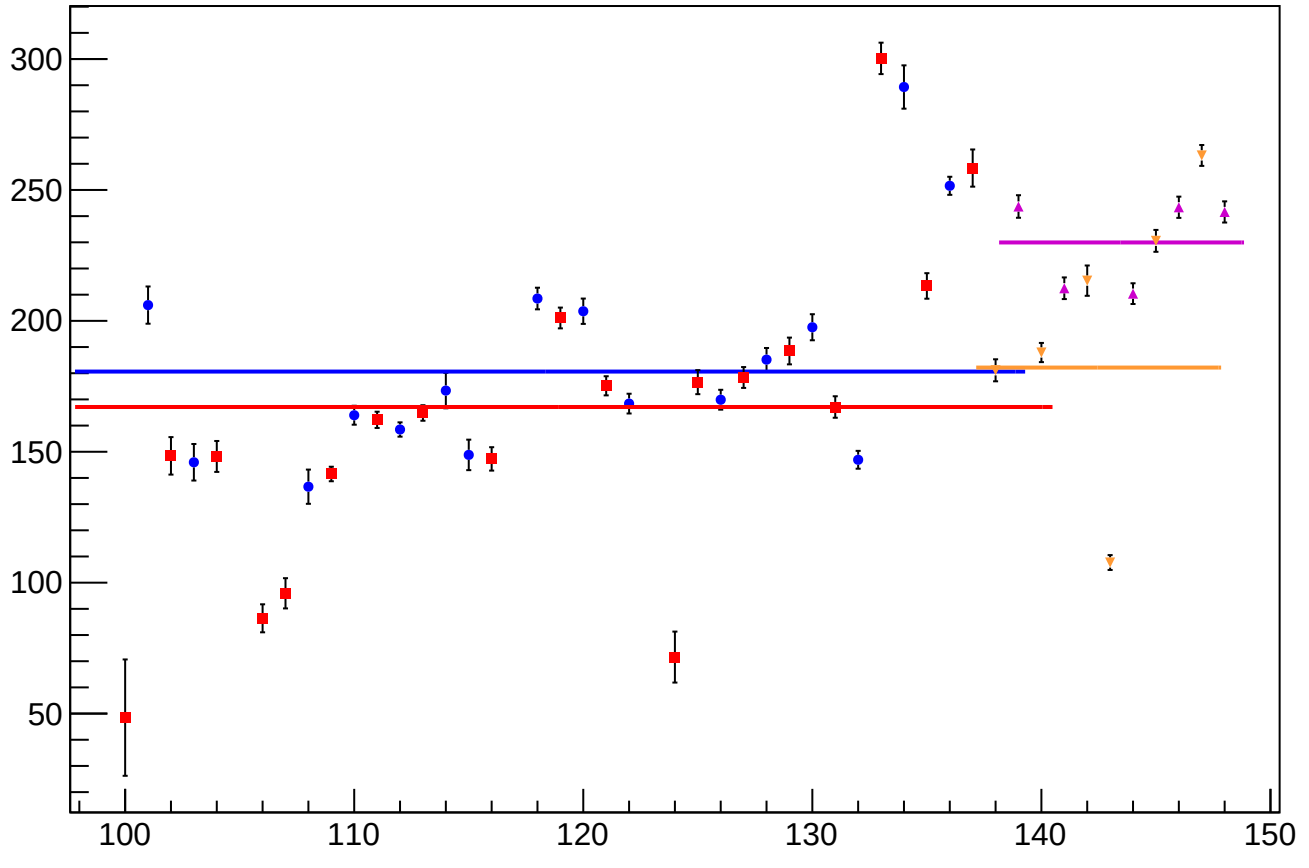
Left: -7.872+/-0.018 χ^2/NDF: 486559.6/10

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -0.987+/-0.019 χ^2/NDF:643051.3/20

Out: 0.193+/-0.020 χ^2/NDF:1031057.3/24

All: -0.437+/-0.014 χ^2/NDF: 1675887.6/45



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 182.163+/-1.572 χ^2/NDF:1268.6/5

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

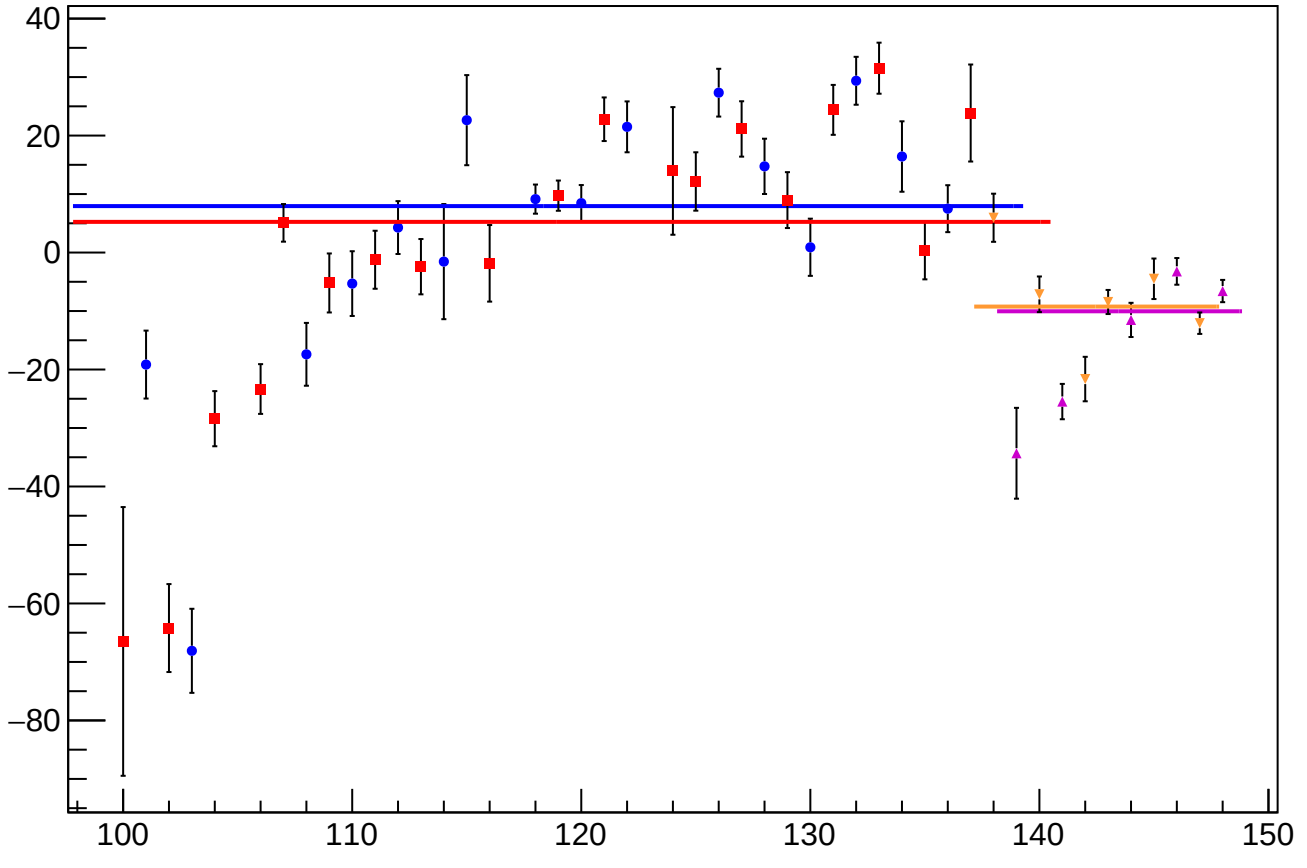
Left: 202.423+/-1.193 χ^2/NDF: 1732.1/10

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 193.519+/-0.937 χ^2/NDF:1600.2/20

Out: 171.569+/-0.856 χ^2/NDF:2817.7/24

All: 181.562+/-0.632 χ^2/NDF: 4717.2/45



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

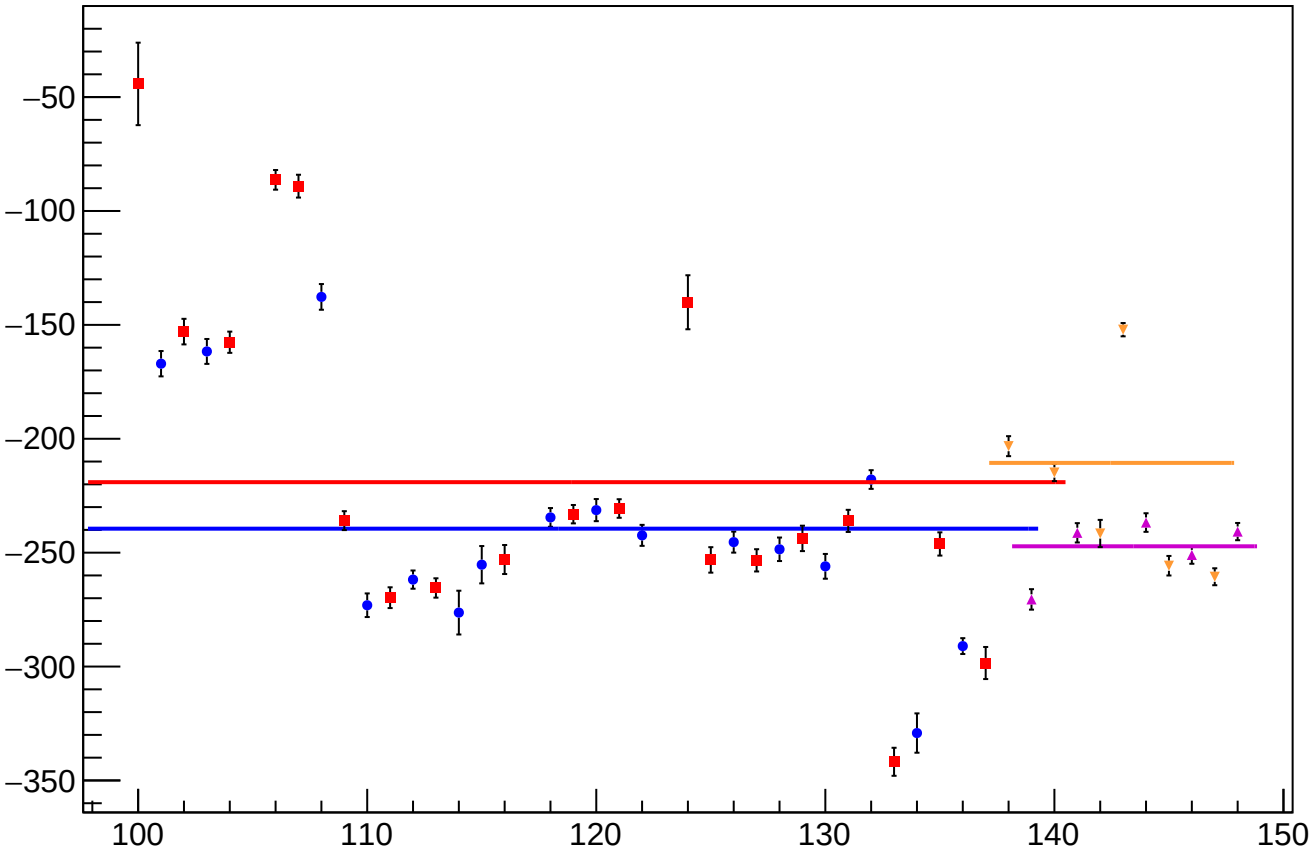
Left: -9.605+/-0.800 χ^2/NDF: 77.8/10

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.483+/-0.812 χ^2/NDF:403.6/20

Out: -1.857+/-0.758 χ^2/NDF:423.2/24

All: -1.216+/-0.554 χ^2/NDF: 828.4/45



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

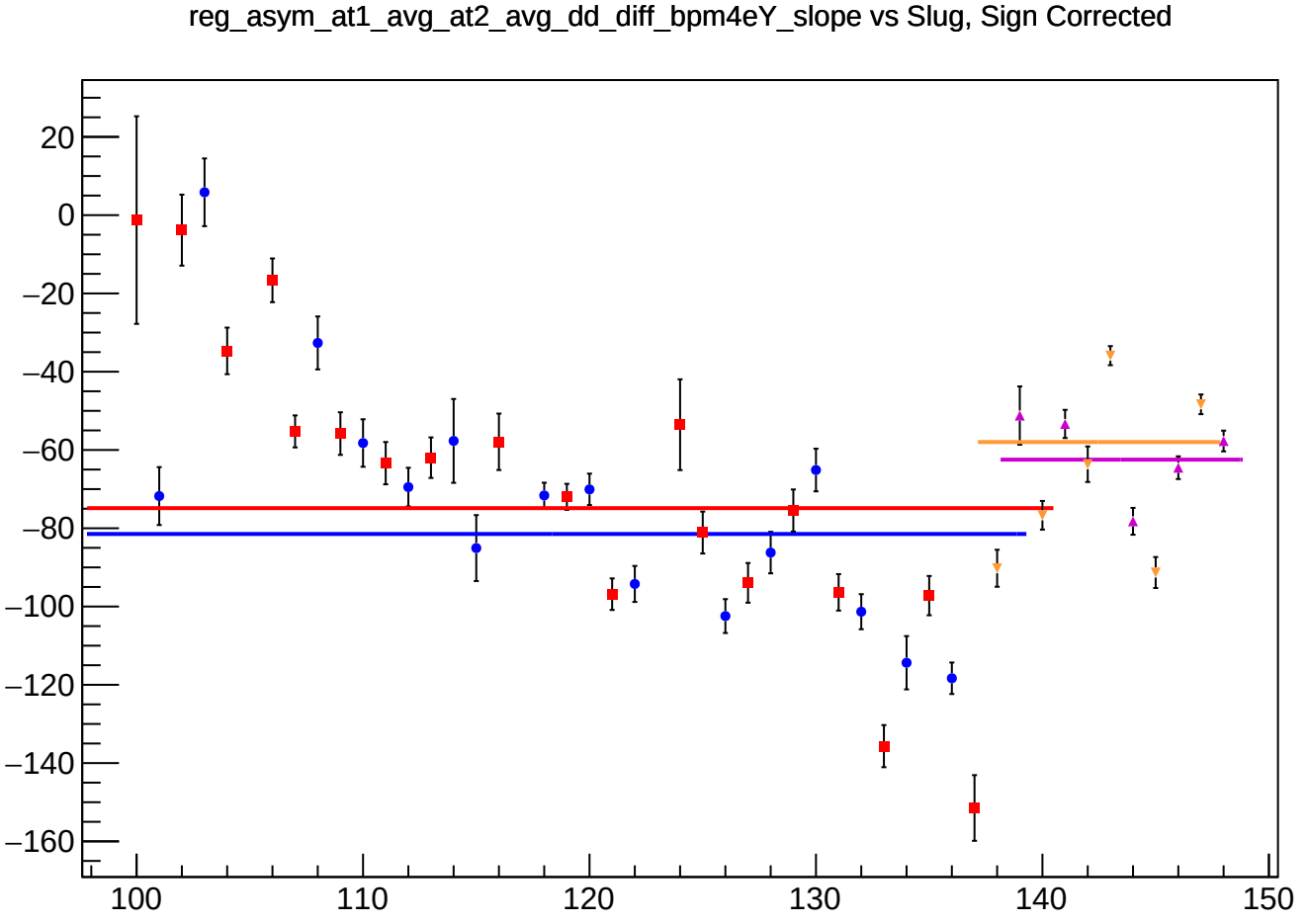
Left: -226.459+/-1.199 χ^2/NDF: 990.8/10

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.933+/-1.028 χ^2/NDF:1213.8/20

Out: -216.068+/-0.946 χ^2/NDF:3790.1/24

All: -227.930+/-0.696 χ^2/NDF: 5346.6/45



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

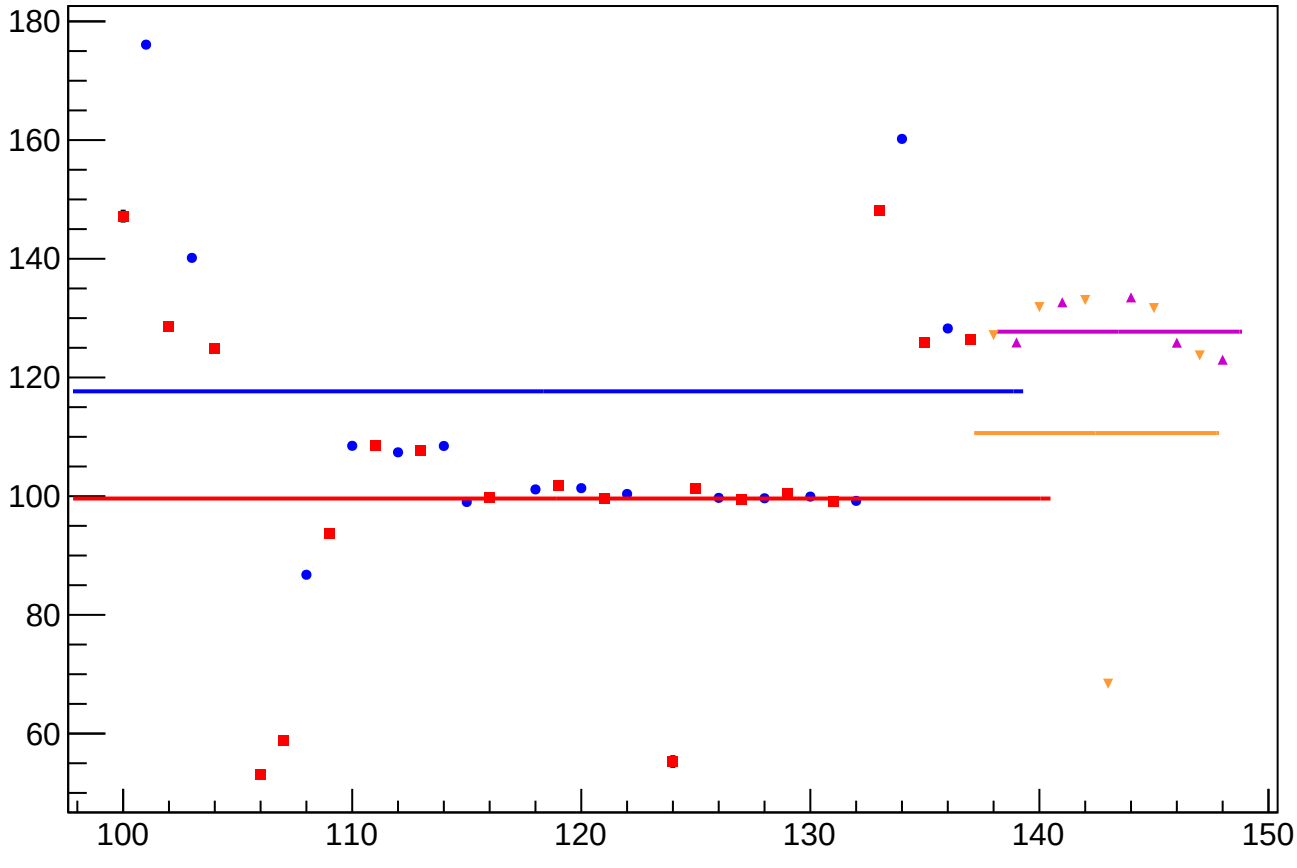
Left: -59.958+/-1.000 χ^2/NDF: 280.6/10

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.439+/-0.978 χ^2/NDF:492.1/20

Out: -67.128+/-0.906 χ^2/NDF:905.0/24

All: -70.041+/-0.665 χ^2/NDF: 1419.5/45



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

Left: 118.279+/-0.050 χ^2/NDF: 207224.2/10

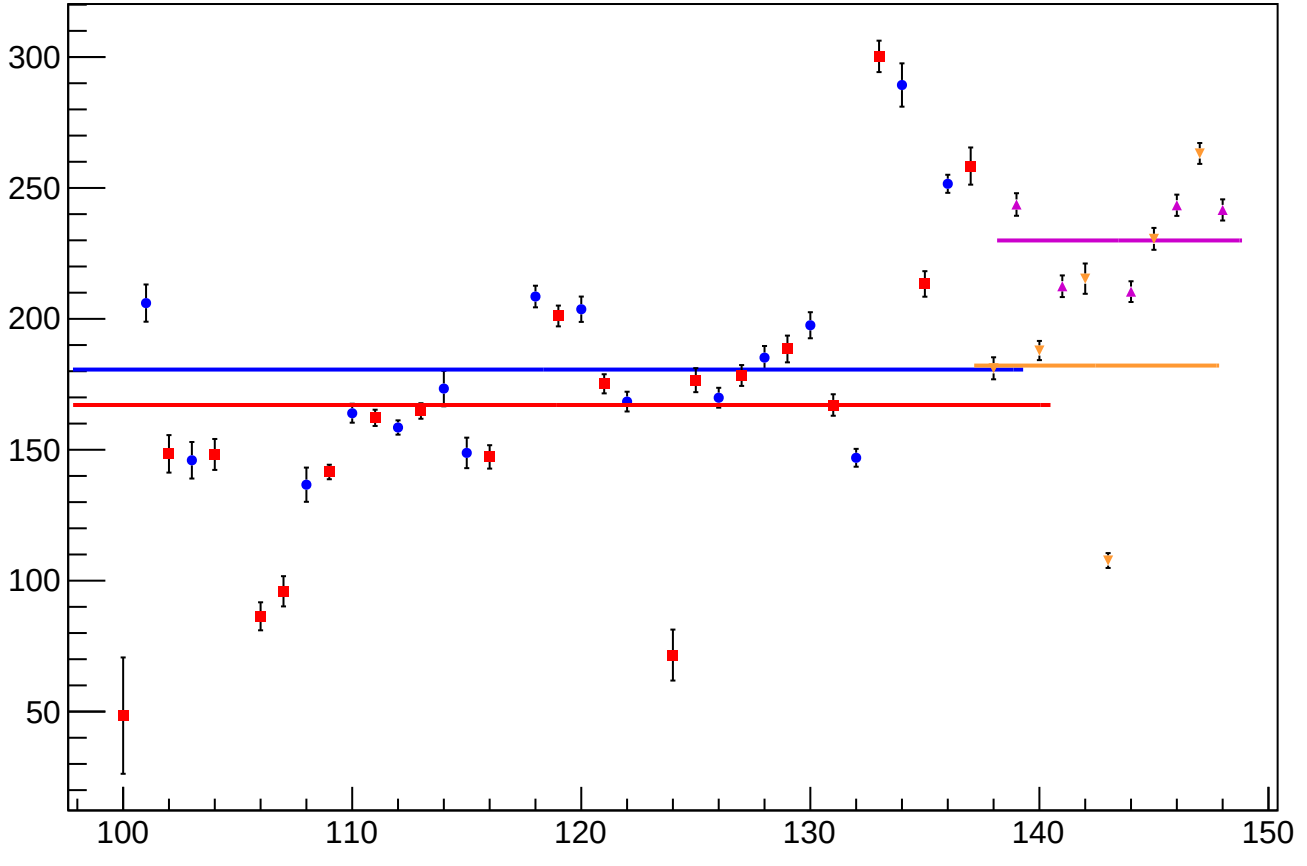
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.941+/-0.054 χ^2/NDF:107071.6/20

Out: 105.385+/-0.049 χ^2/NDF:354276.3/24

All: 113.233+/-0.036 χ^2/NDF: 519908.5/45

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: 182.163+/-1.572 χ^2/NDF:1268.6/5

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

Left: 202.423+/-1.193 χ^2/NDF: 1732.1/10

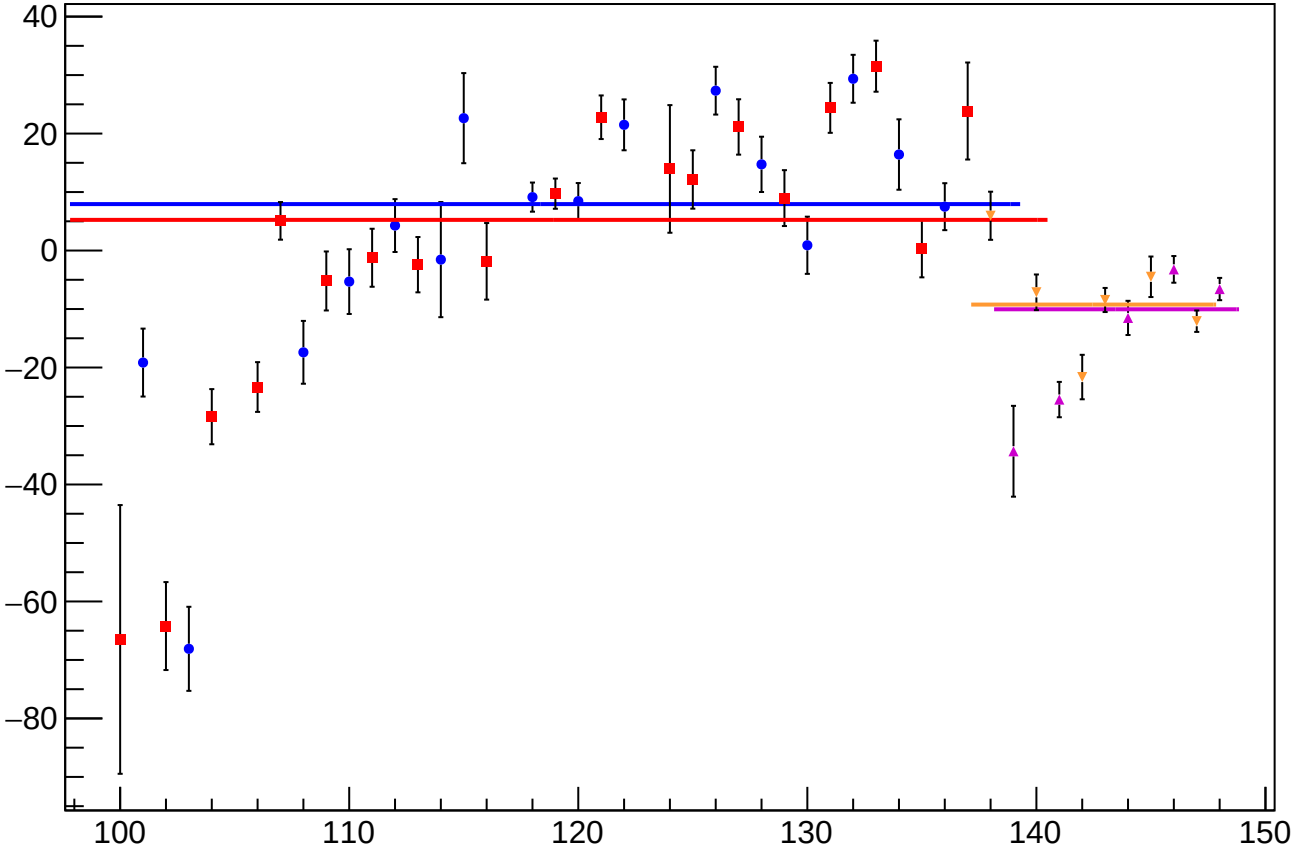
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 193.519+/-0.937 χ^2/NDF:1600.2/20

Out: 171.569+/-0.856 χ^2/NDF:2817.7/24

All: 181.562+/-0.632 χ^2/NDF: 4717.2/45

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: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

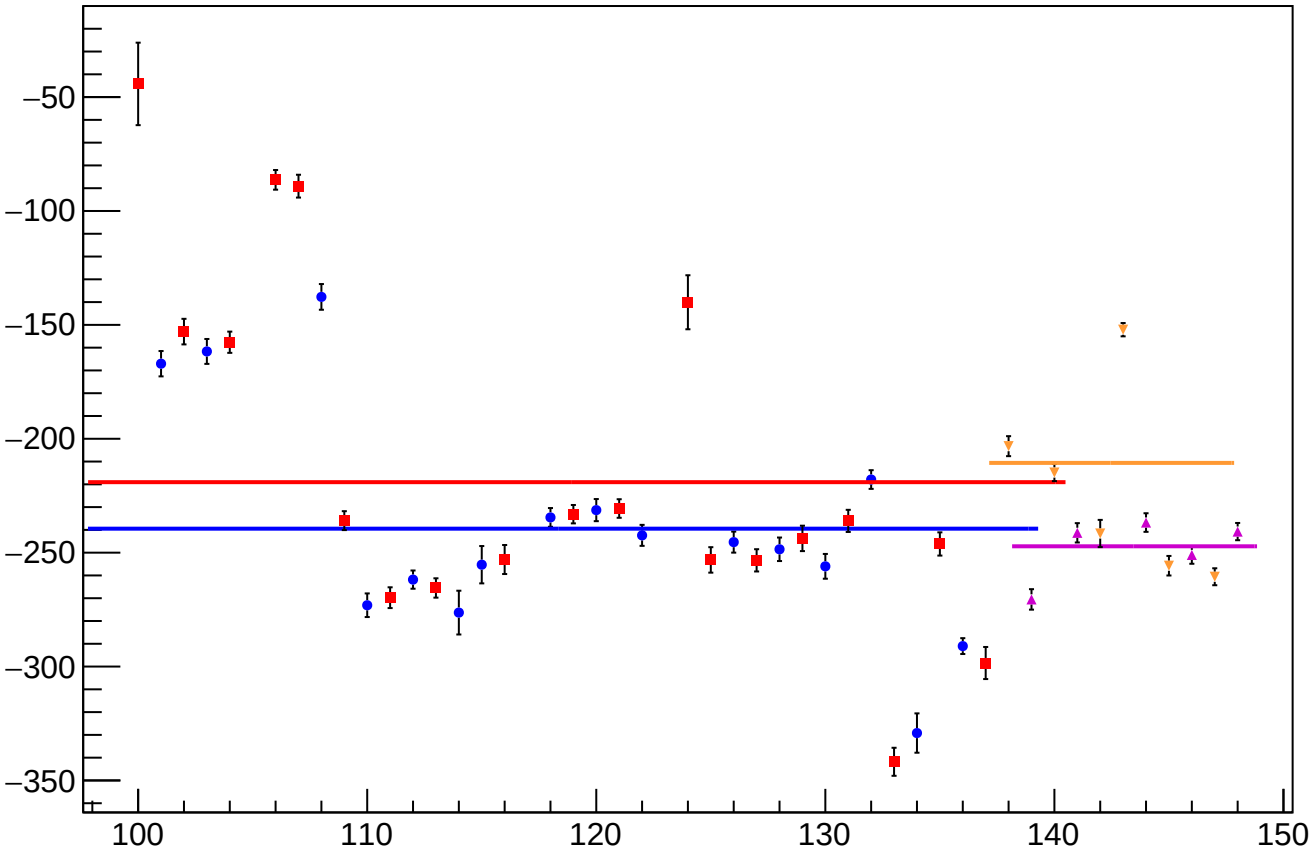
Left: -9.605+/-0.800 χ^2/NDF: 77.8/10

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.483+/-0.812 χ^2/NDF:403.6/20

Out: -1.857+/-0.758 χ^2/NDF:423.2/24

All: -1.216+/-0.554 χ^2/NDF: 828.4/45



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

Left: -226.459+/-1.199 χ^2/NDF: 990.8/10

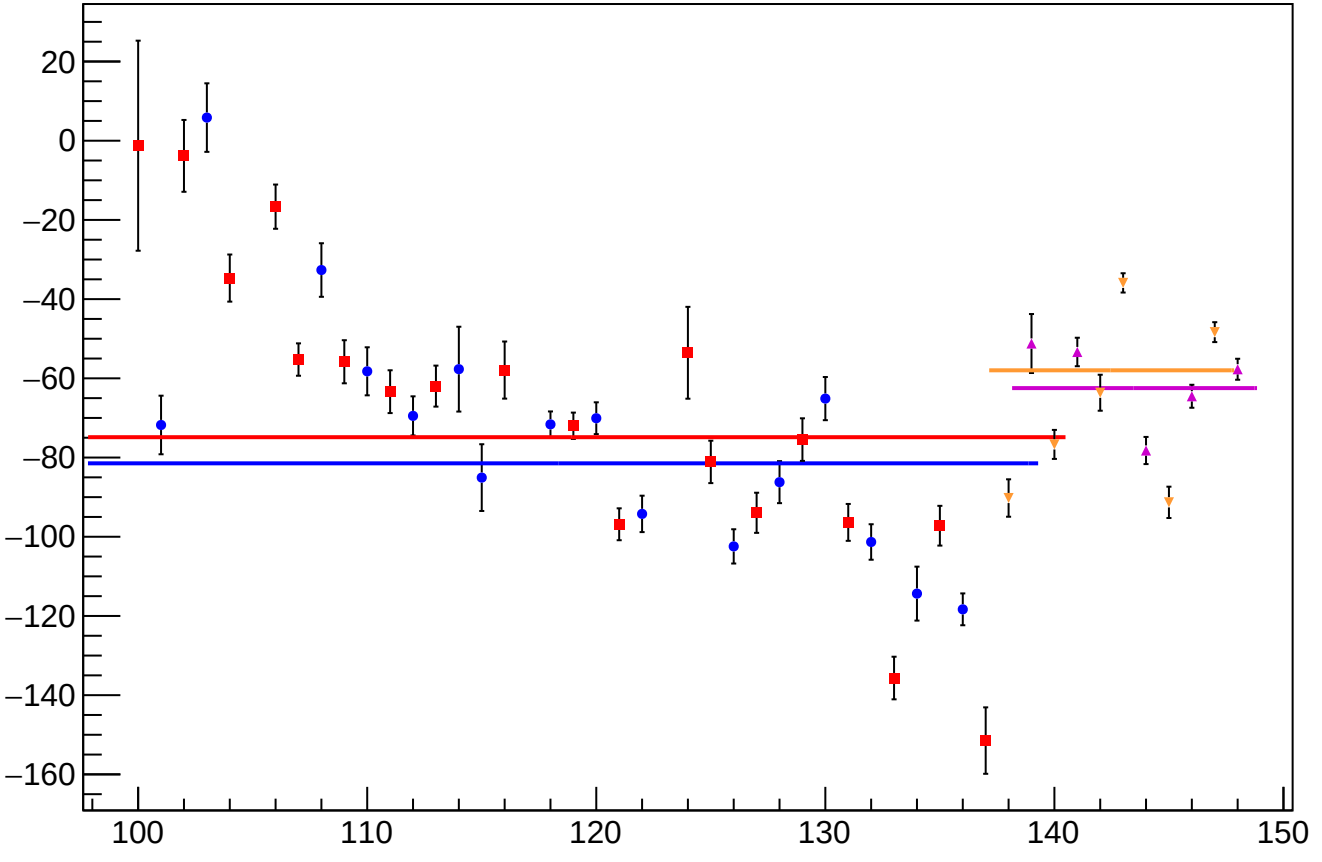
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.933+/-1.028 χ^2/NDF:1213.8/20

Out: -216.068+/-0.946 χ^2/NDF:3790.1/24

All: -227.930+/-0.696 χ^2/NDF: 5346.6/45

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

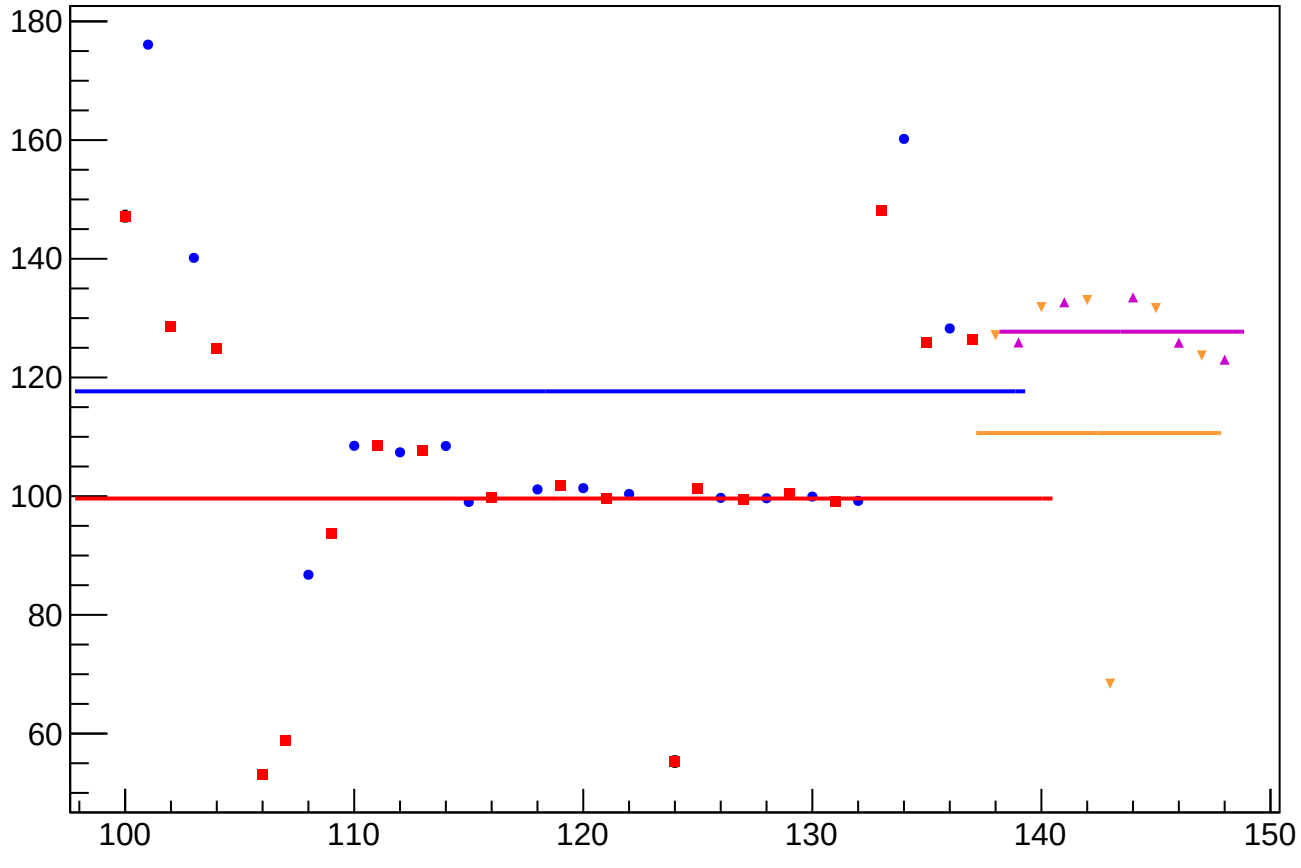
Left: -59.958+/-1.000 χ^2/NDF: 280.6/10

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.439+/-0.978 χ^2/NDF:492.1/20

Out: -67.128+/-0.906 χ^2/NDF:905.0/24

All: -70.041+/-0.665 χ^2/NDF: 1419.5/45



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 127.719+/-0.074 χ^2/NDF:3015.1/4

Left: 118.279+/-0.050 χ^2/NDF: 207224.2/10

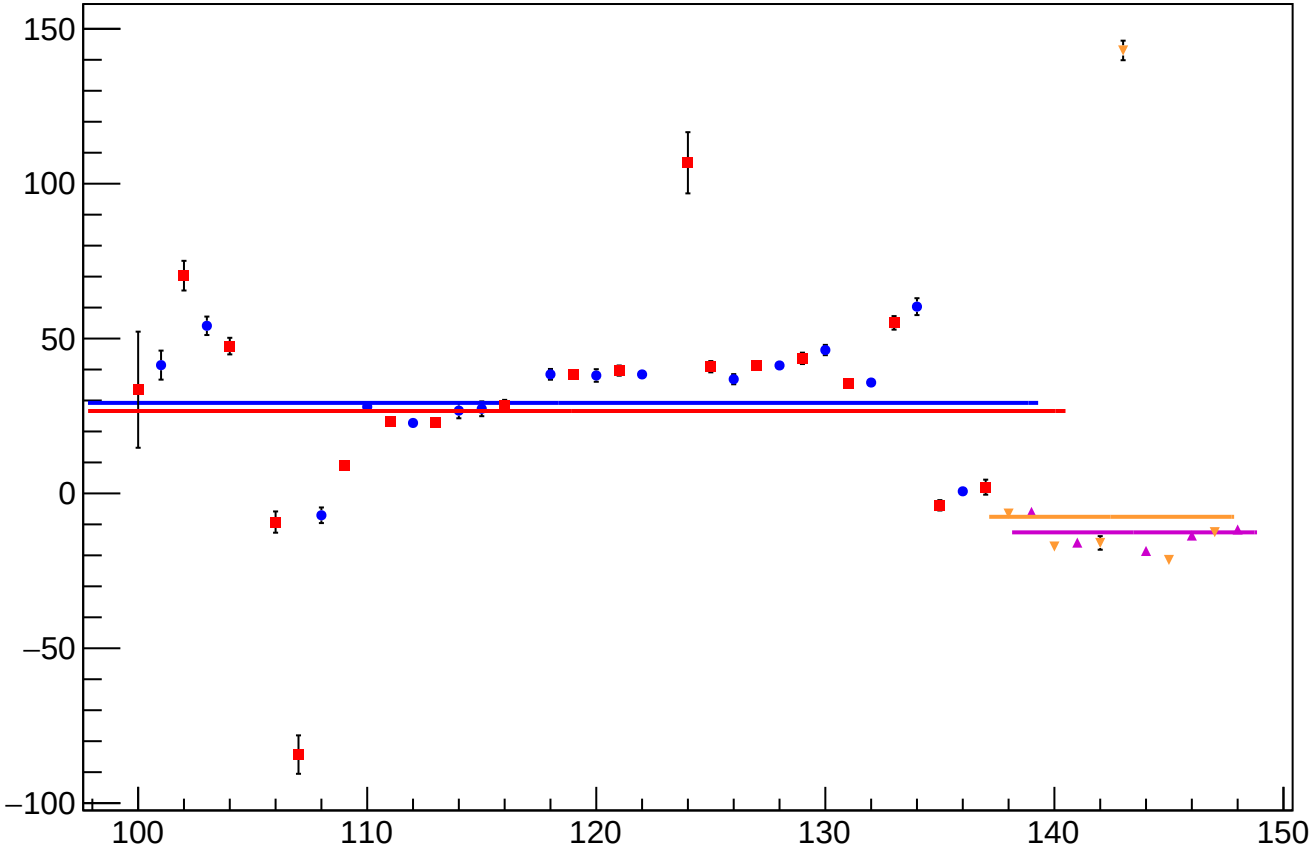
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.941+/-0.054 χ^2/NDF:107071.6/20

Out: 105.385+/-0.049 χ^2/NDF:354276.3/24

All: 113.233+/-0.036 χ^2/NDF: 519908.5/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.551+/-0.640 χ^2/NDF:2441.1/5

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.576+/-0.618 χ^2/NDF:51.7/4

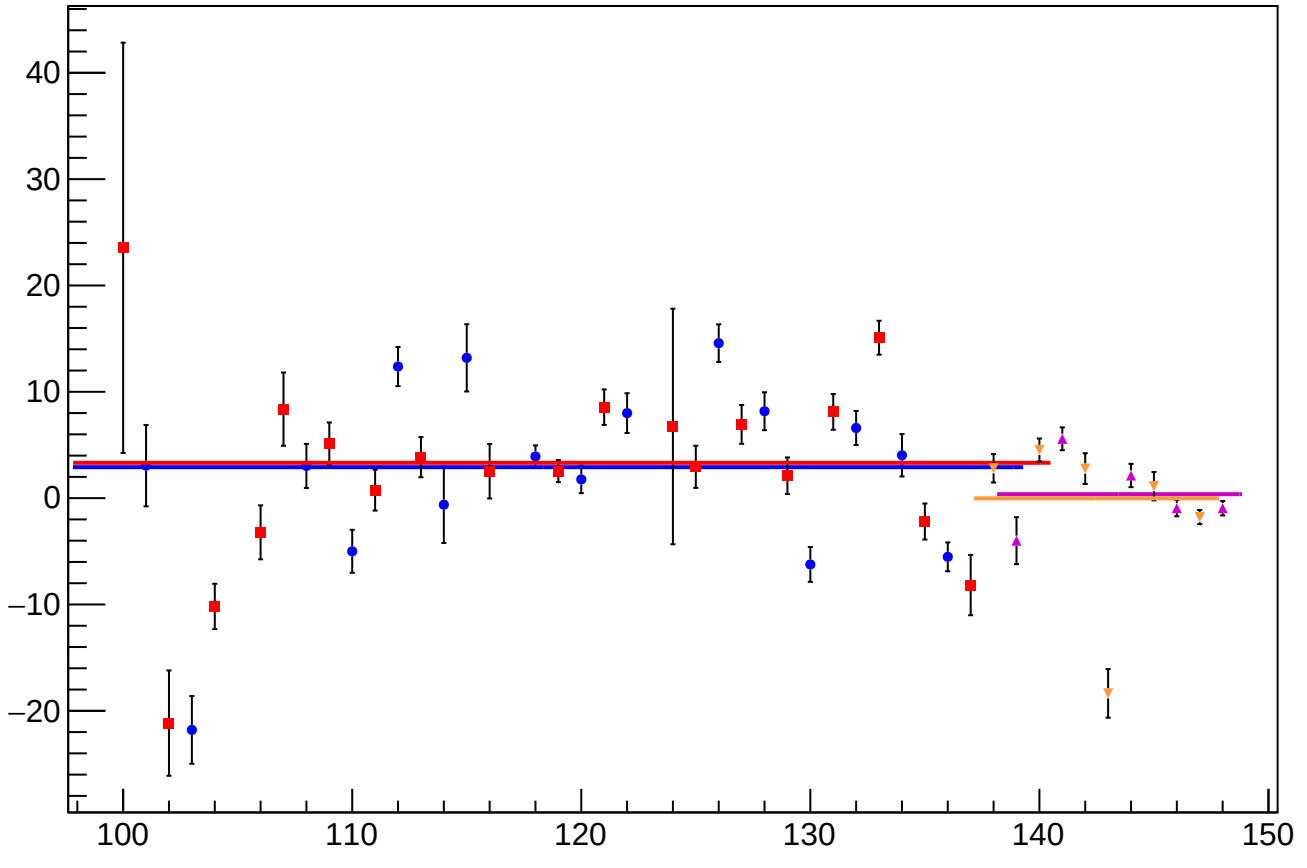
Left: -10.149+/-0.445 χ^2/NDF: 2524.8/10

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 15.847+/-0.350 χ^2/NDF:4502.6/20

Out: 16.522+/-0.348 χ^2/NDF:6371.3/24

All: 16.186+/-0.247 χ^2/NDF: 10875.8/45



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

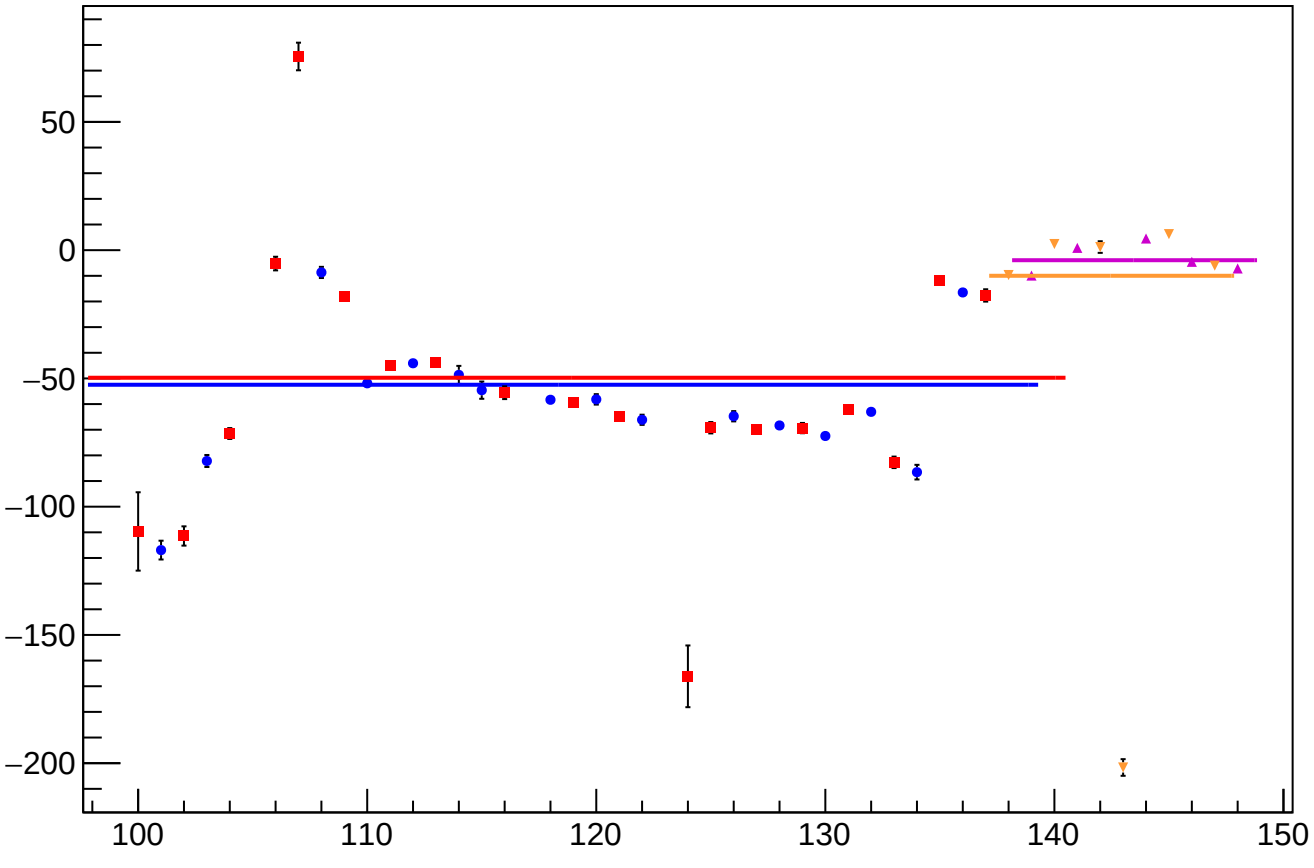
Left: 0.192+/-0.306 χ^2/NDF: 135.1/10

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.567+/-0.303 χ^2/NDF:304.1/20

Out: 1.646+/-0.320 χ^2/NDF:307.1/24

All: 1.604+/-0.220 χ^2/NDF: 611.3/45



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

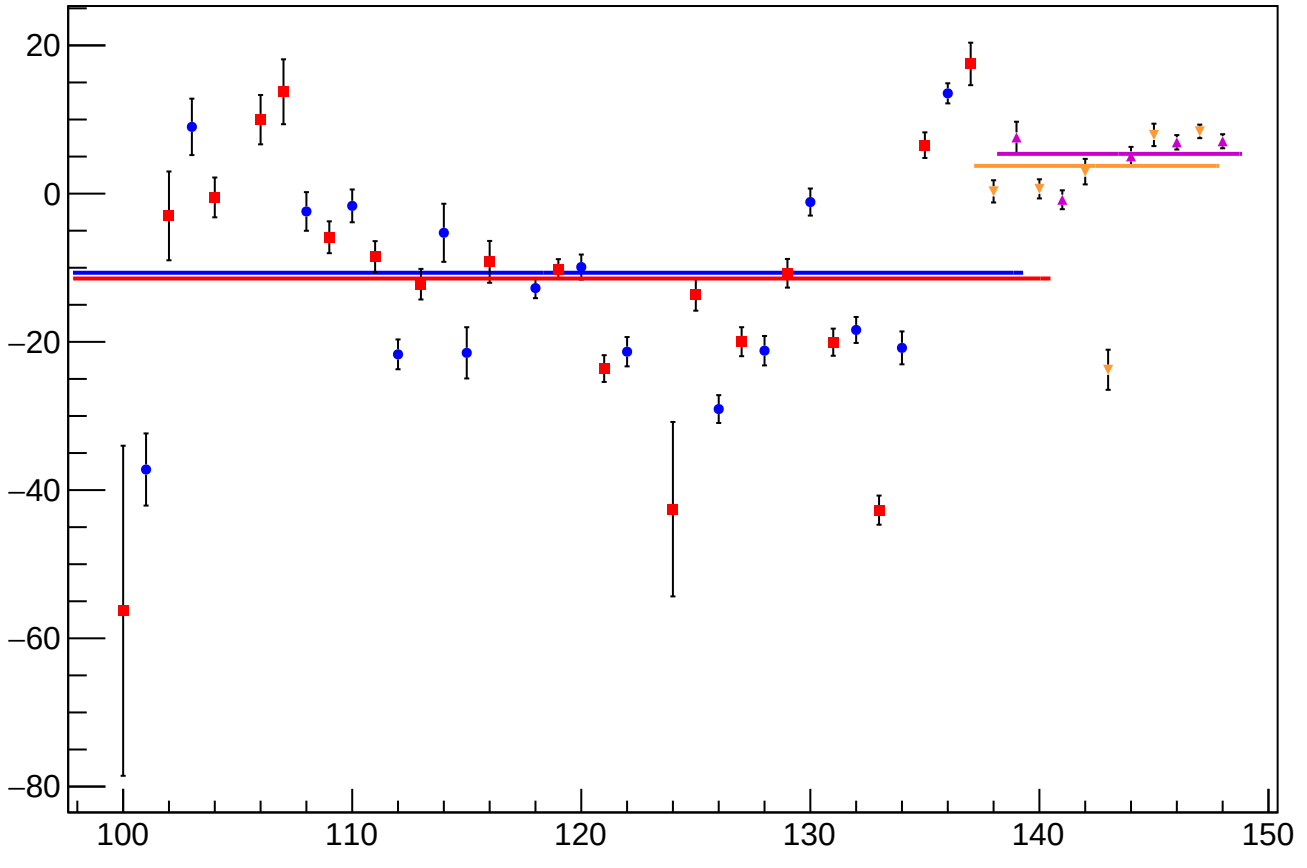
Left: -6.810+/-0.446 χ^2/NDF: 3832.6/10

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -33.781+/-0.383 χ^2/NDF:6212.2/20

Out: -35.056+/-0.392 χ^2/NDF:9117.5/24

All: -34.403+/-0.274 χ^2/NDF: 15335.2/45



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.366+/-0.526 χ^2/NDF:30.6/4

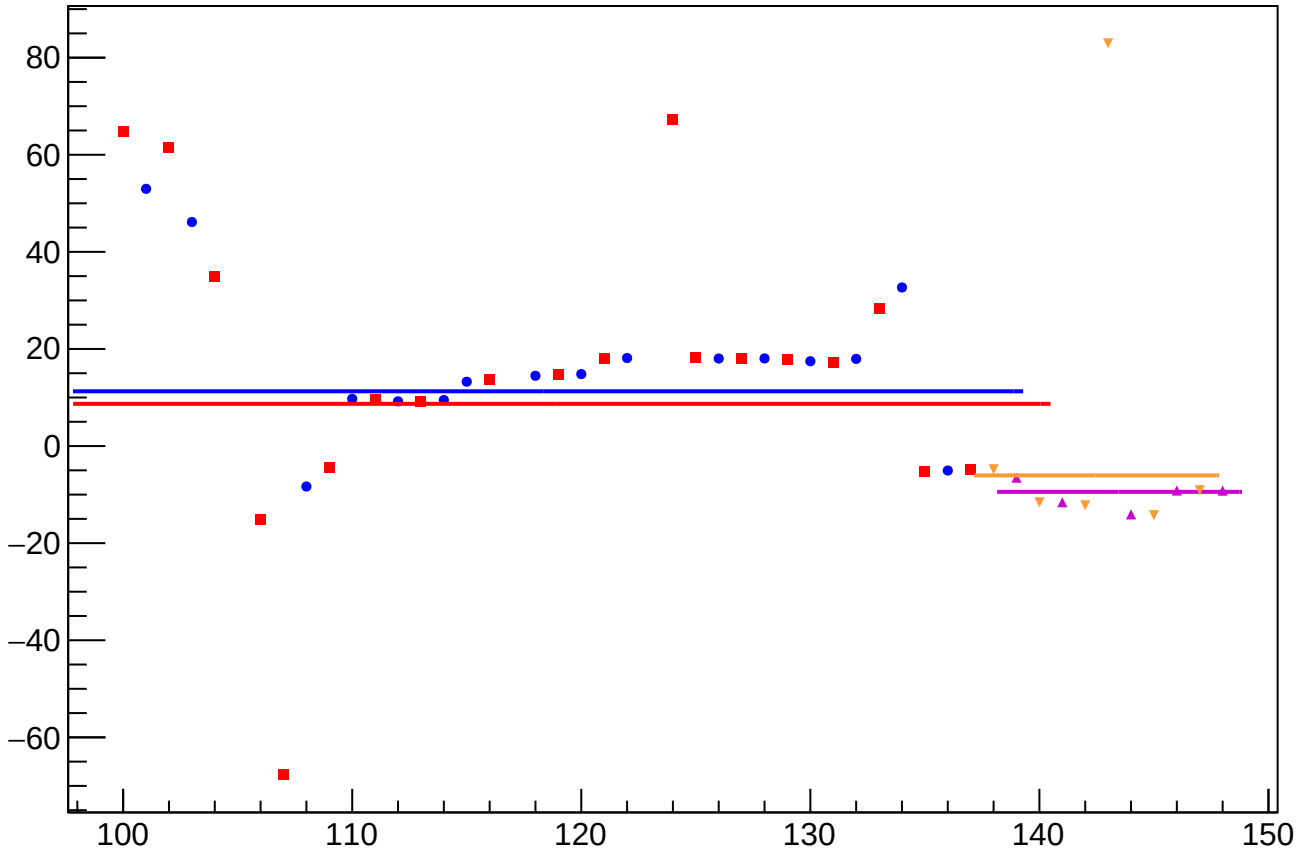
Left: 4.611+/-0.384 χ^2/NDF: 183.3/10

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -2.973+/-0.364 χ^2/NDF:1180.6/20

Out: -4.513+/-0.380 χ^2/NDF:1209.8/24

All: -3.710+/-0.263 χ^2/NDF: 2398.9/45



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.433+/-0.025 χ^2/NDF:10032.9/4

Left: -7.872+/-0.018 χ^2/NDF: 486559.6/10

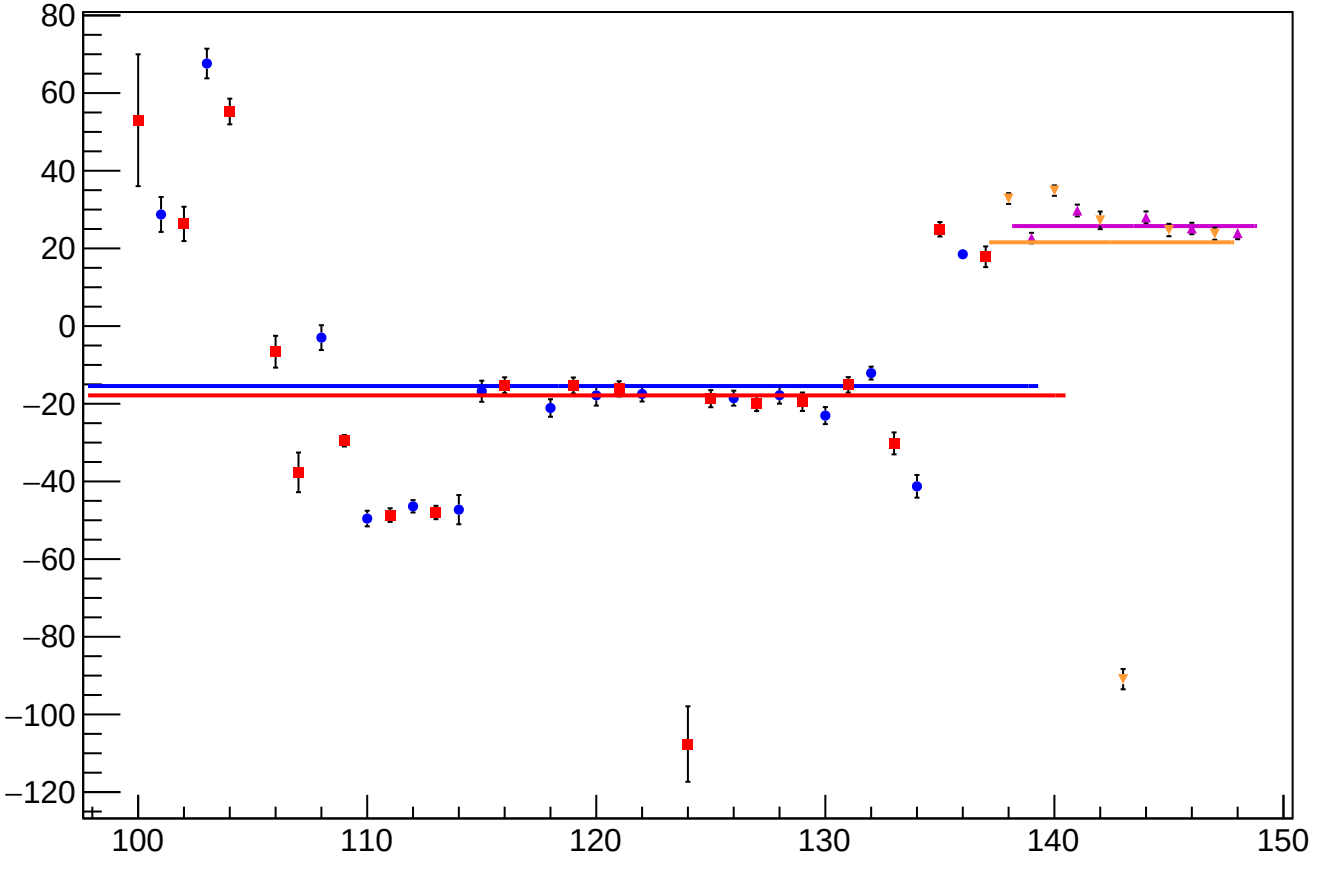
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -0.987+/-0.019 χ^2/NDF:643051.3/20

Out: 0.193+/-0.020 χ^2/NDF:1031057.3/24

All: -0.437+/-0.014 χ^2/NDF: 1675887.6/45

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.581+/-0.672 χ^2/NDF:2030.7/5

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.754+/-0.663 χ^2/NDF:15.9/4

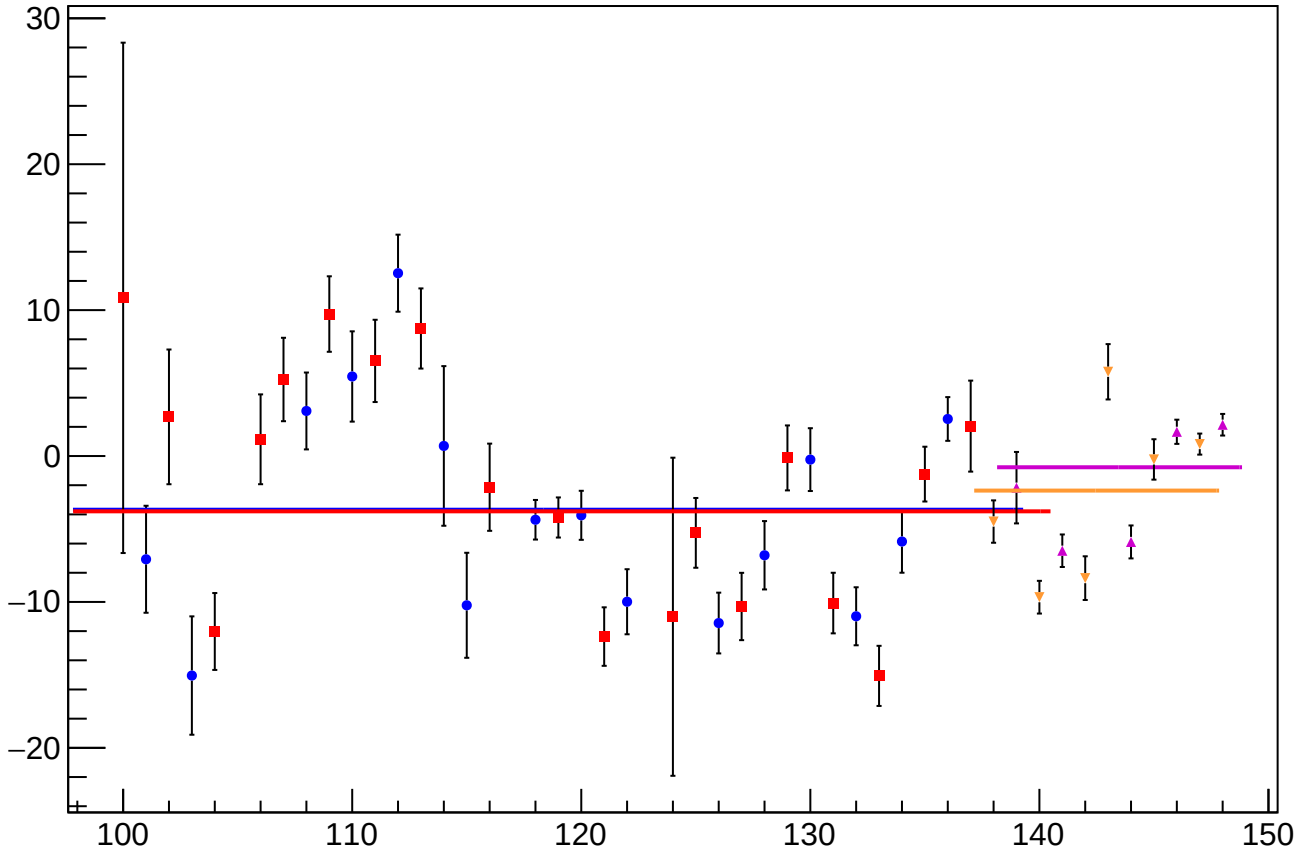
Left: 23.697+/-0.472 χ^2/NDF: 2066.1/10

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 0.957+/-0.418 χ^2/NDF:4464.3/20

Out: -2.744+/-0.416 χ^2/NDF:6279.0/24

All: -0.903+/-0.295 χ^2/NDF: 10782.7/45



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.368+/-0.475 χ^2/NDF:101.0/5

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.770+/-0.446 χ^2/NDF:71.3/4

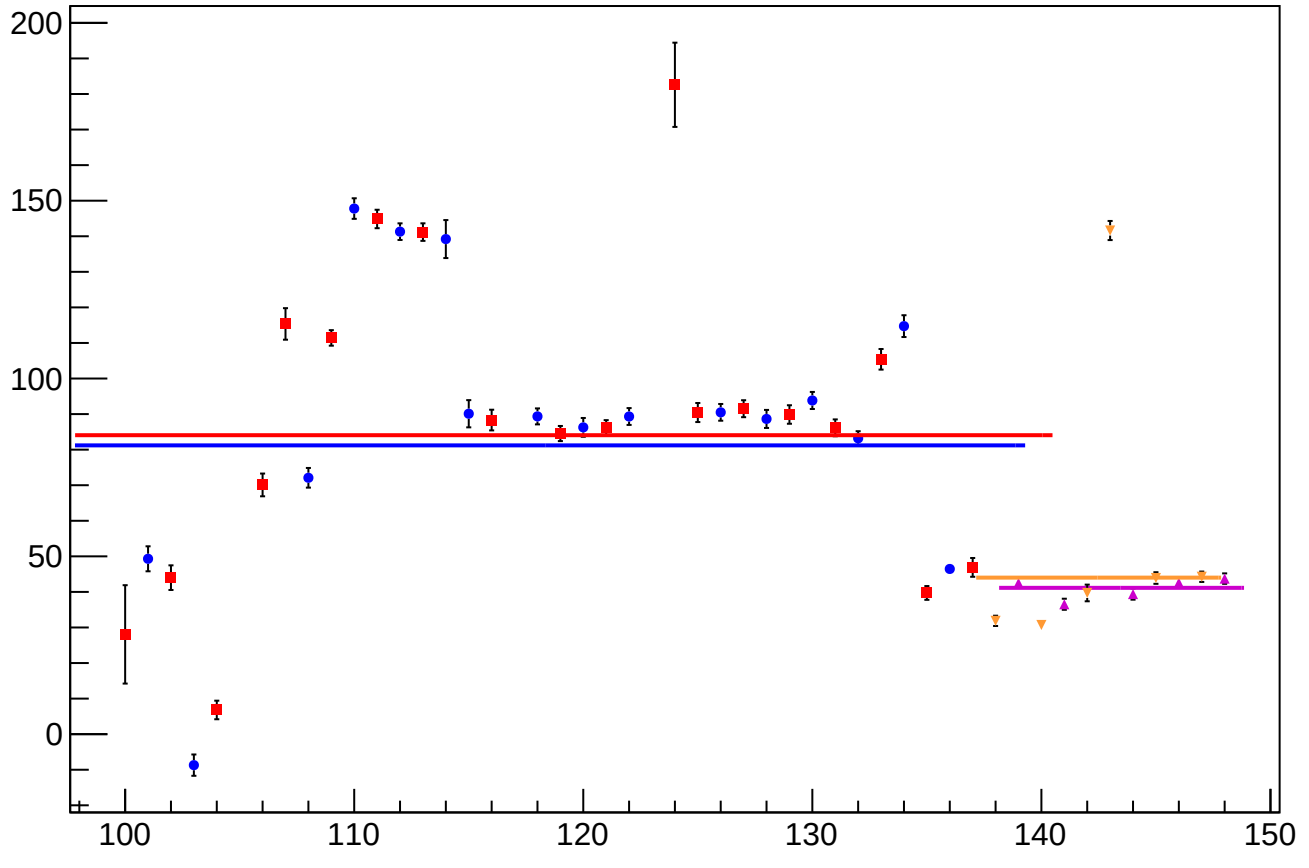
Left: -1.519+/-0.325 χ^2/NDF: 178.3/10

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.918+/-0.347 χ^2/NDF:212.1/20

Out: -2.958+/-0.363 χ^2/NDF:265.9/24

All: -2.414+/-0.251 χ^2/NDF: 482.3/45



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 44.019+/-0.679 χ^2/NDF:1486.8/5

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

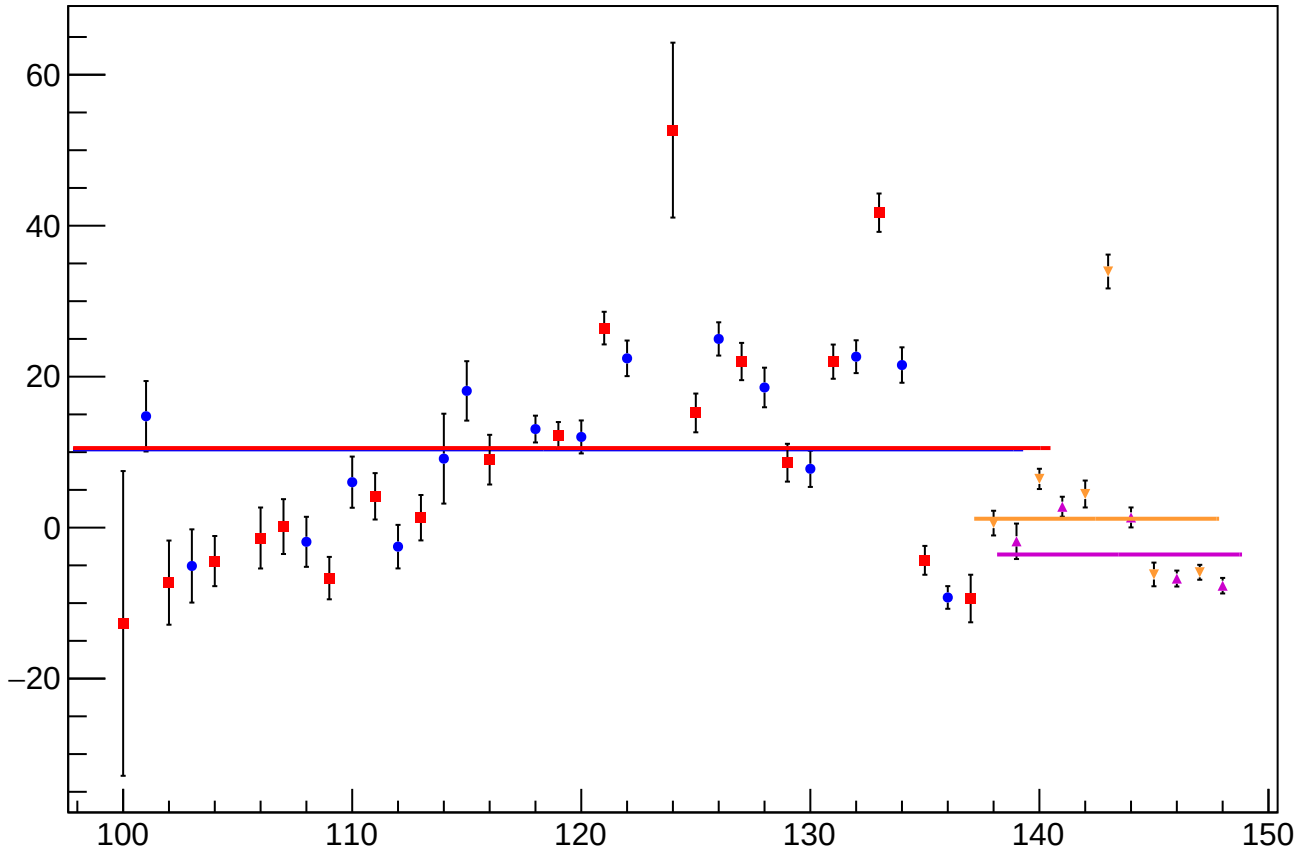
Left: 42.544+/-0.474 χ^2/NDF: 1511.2/10

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

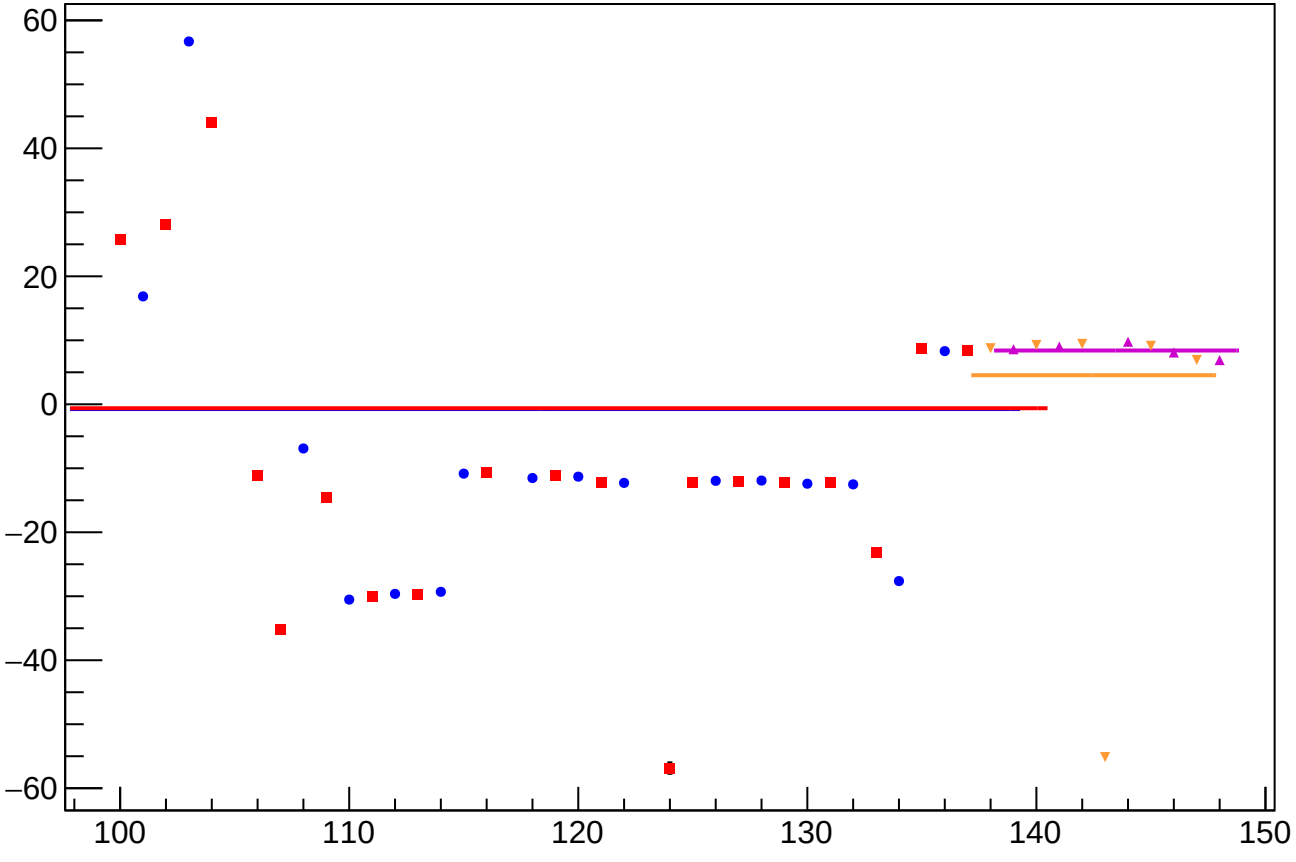
In: 62.891+/-0.447 χ^2/NDF:5236.2/20

Out: 65.980+/-0.456 χ^2/NDF:6600.2/24

All: 64.405+/-0.319 χ^2/NDF: 11859.8/45


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 1.178+/-0.590 χ²/NDF:306.2/5
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.560+/-0.562 χ²/NDF:62.5/4
Left: -1.306+/-0.407 χ²/NDF: 402.5/10
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 2.652+/-0.418 χ²/NDF:696.0/20
Out: 5.477+/-0.434 χ²/NDF:892.5/24
All: 4.013+/-0.301 χ²/NDF: 1610.5/45

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

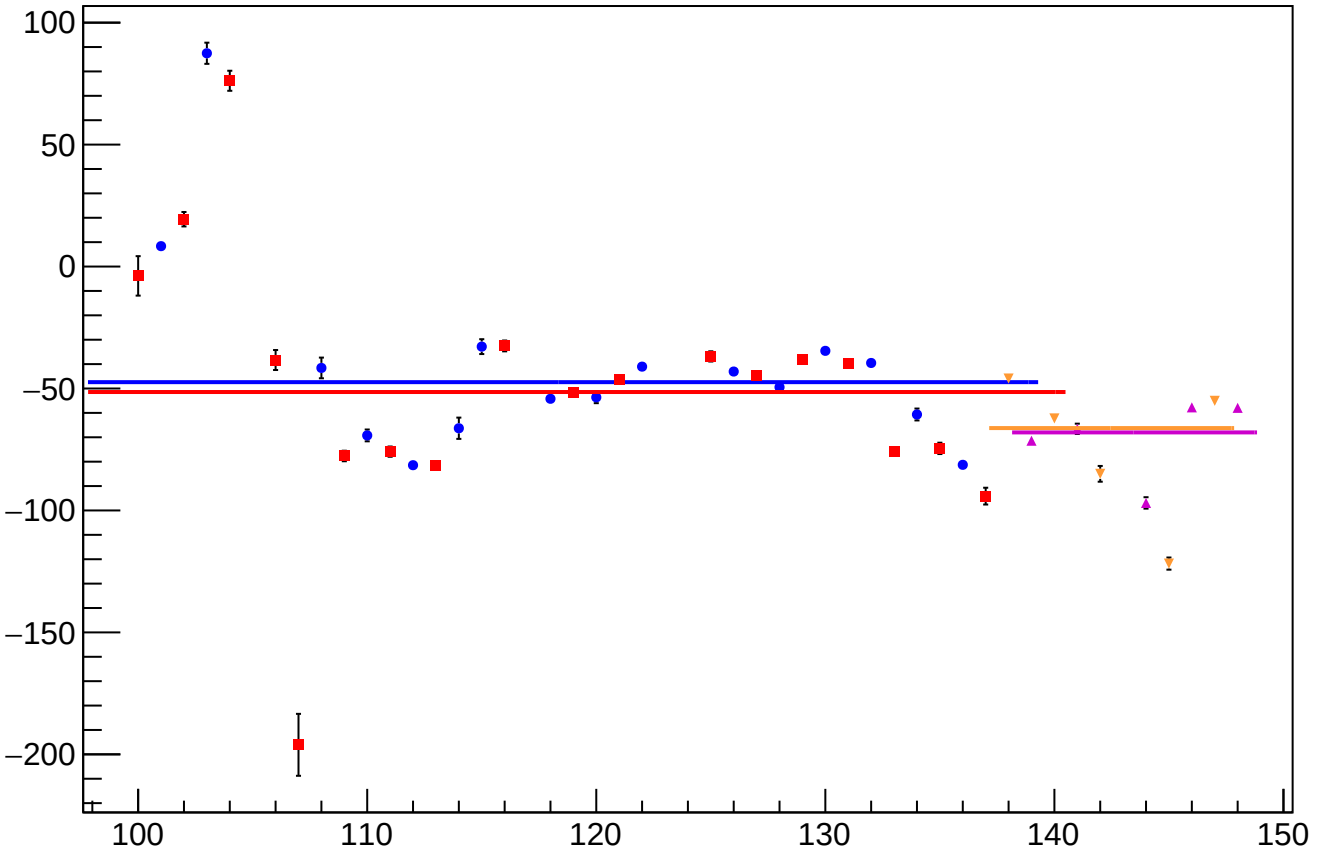
Left: 6.587+/-0.019 χ^2/NDF: 316705.6/10

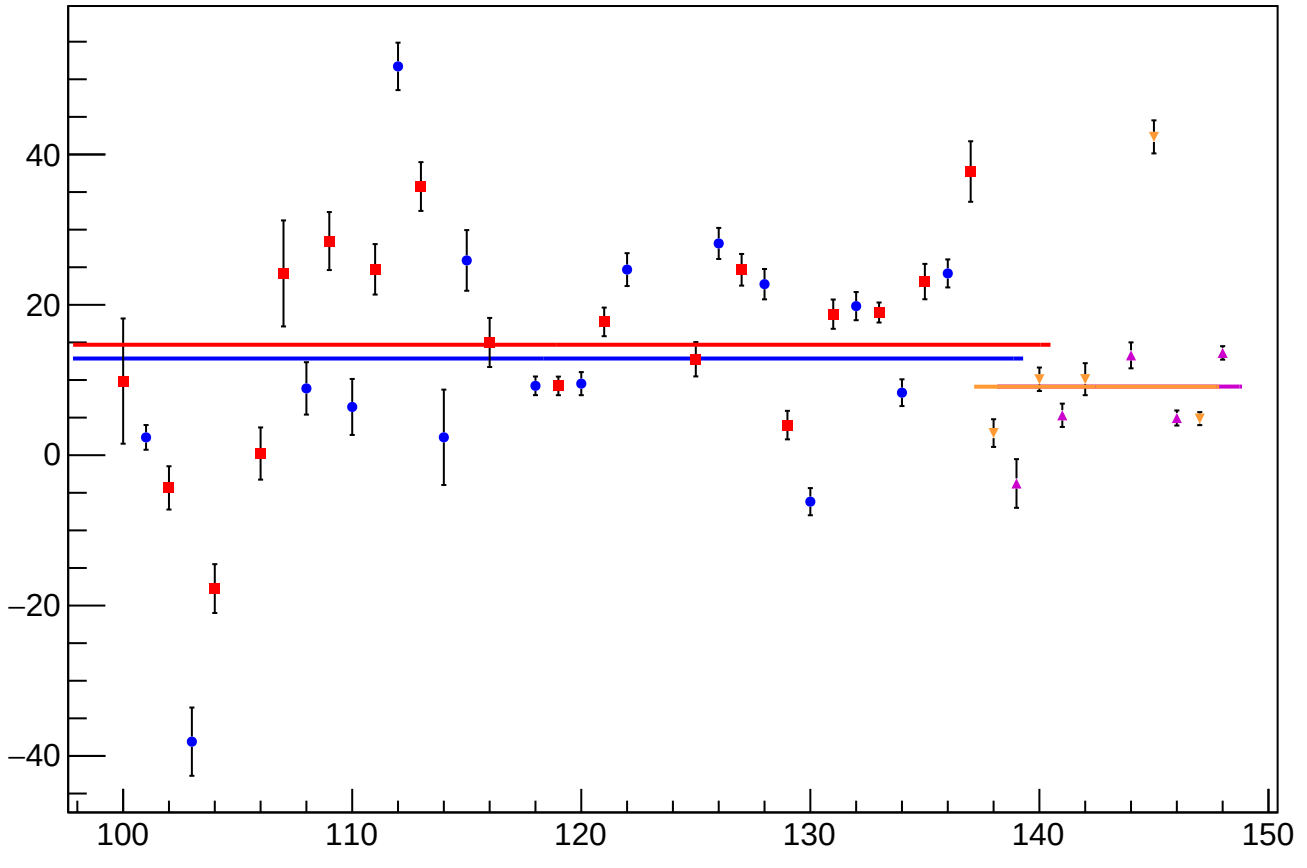
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.138+/-0.021 χ^2/NDF:410955.3/20

Out: 2.656+/-0.023 χ^2/NDF:634359.7/24

All: 3.961+/-0.016 χ^2/NDF: 1051668.7/45


reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -47.398+/-0.535 χ²/NDF: 2769.0/15
Left Out: -66.226+/-0.936 χ²/NDF:701.0/4
Right Out: -51.442+/-0.545 χ²/NDF: 2872.7/17
Left In: -68.004+/-0.877 χ²/NDF:217.2/4
Left: -67.172+/-0.640 χ²/NDF: 920.1/9
Right: -49.383+/-0.382 χ²/NDF: 5669.8/33
In: -52.984+/-0.457 χ²/NDF:3388.2/20
Out: -55.188+/-0.471 χ²/NDF:3760.1/22
All: -54.052+/-0.328 χ²/NDF: 7159.5/43



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 9.111+/-0.637 χ^2/NDF:264.2/4

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 9.128+/-0.569 χ^2/NDF:70.0/4

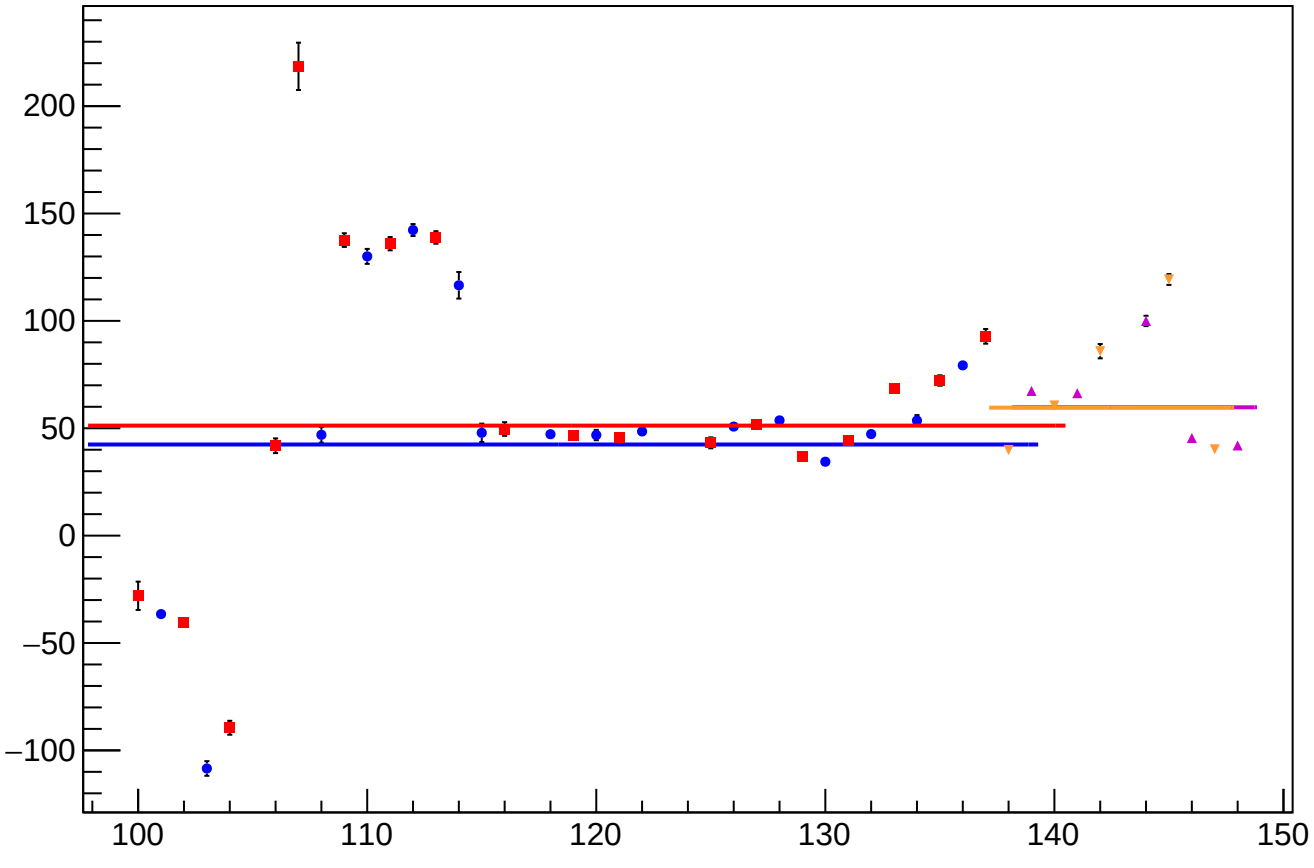
Left: 9.121+/-0.424 χ^2/NDF: 334.2/9

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 11.168+/-0.383 χ^2/NDF:718.9/20

Out: 12.335+/-0.414 χ^2/NDF:672.7/22

All: 11.707+/-0.281 χ^2/NDF: 1395.9/43



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 59.581+/-0.939 χ^2/NDF:860.2/4

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 59.761+/-0.870 χ^2/NDF:472.6/4

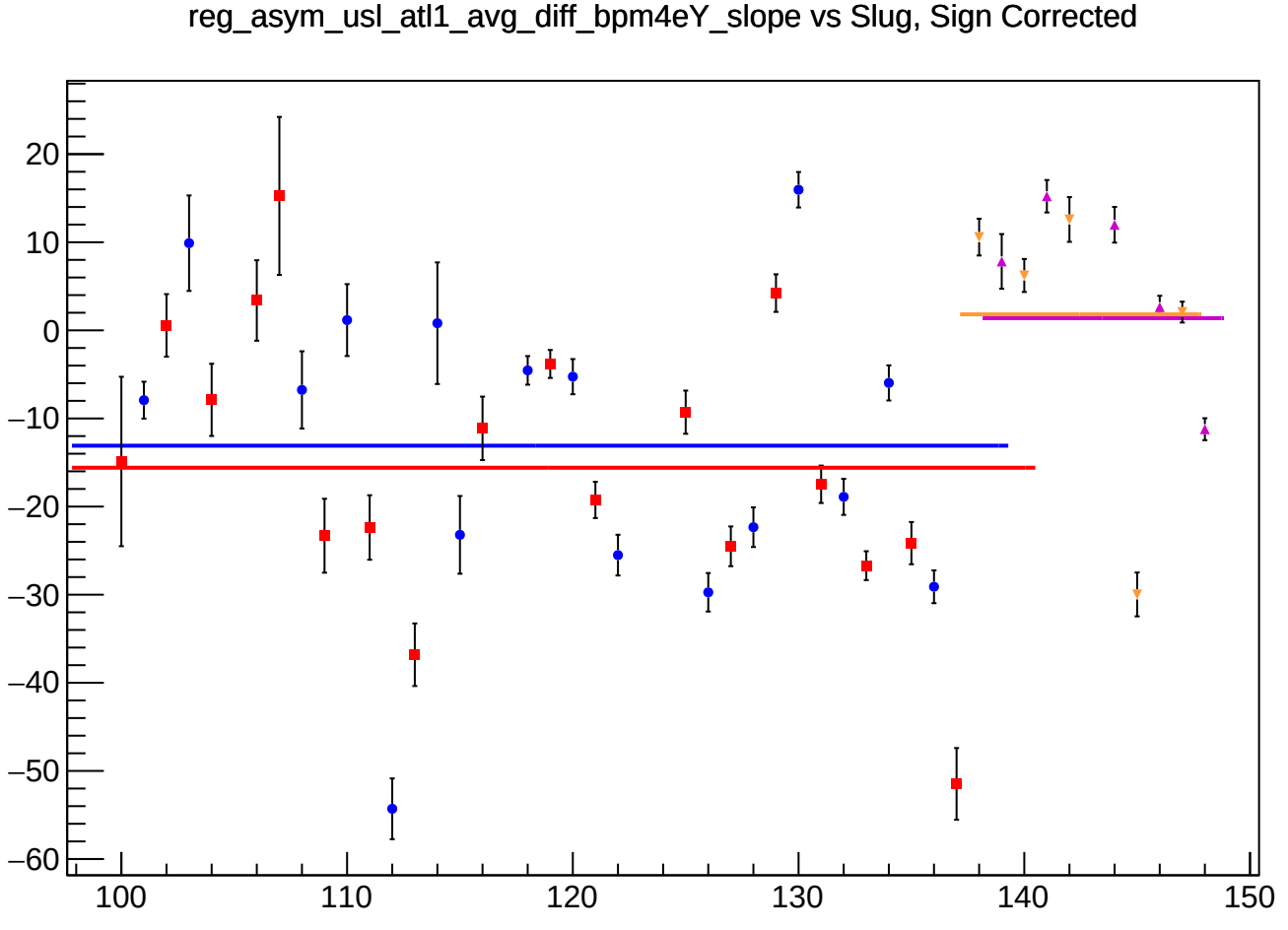
Left: 59.678+/-0.638 χ^2/NDF: 1332.9/9

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 47.819+/-0.485 χ^2/NDF:7914.6/20

Out: 53.732+/-0.514 χ^2/NDF:7526.9/22

All: 50.603+/-0.353 χ^2/NDF: 15511.5/43



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.817+/-0.805 χ^2/NDF:204.3/4

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.379+/-0.726 χ^2/NDF:191.3/4

Left: 1.576+/-0.539 χ^2/NDF: 395.7/9

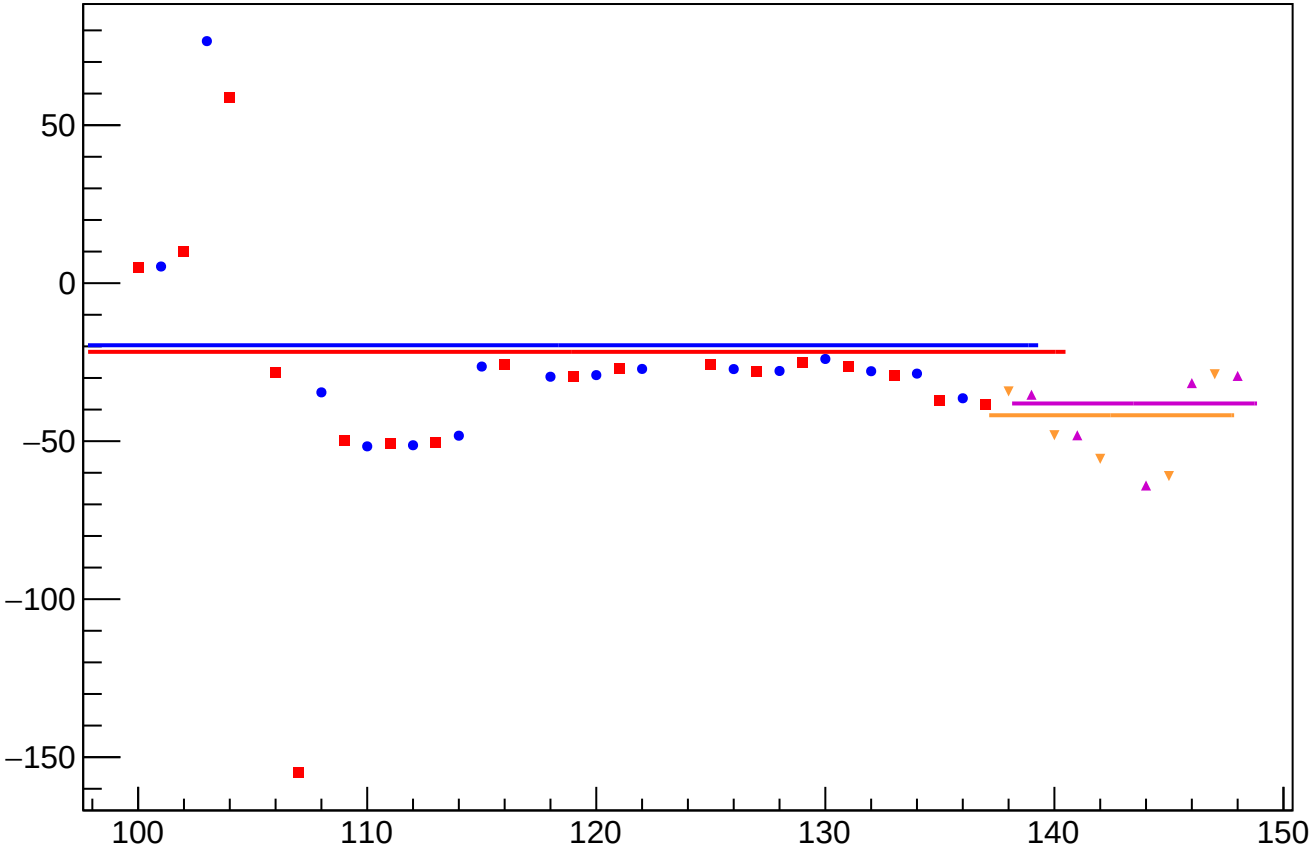
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -7.225+/-0.462 χ^2/NDF:1067.1/20

Out: -9.018+/-0.495 χ^2/NDF:897.3/22

All: -8.061+/-0.338 χ^2/NDF: 1971.4/43

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -41.799+/-0.039 χ^2/NDF:91604.1/4

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -38.069+/-0.035 χ^2/NDF:94381.7/4

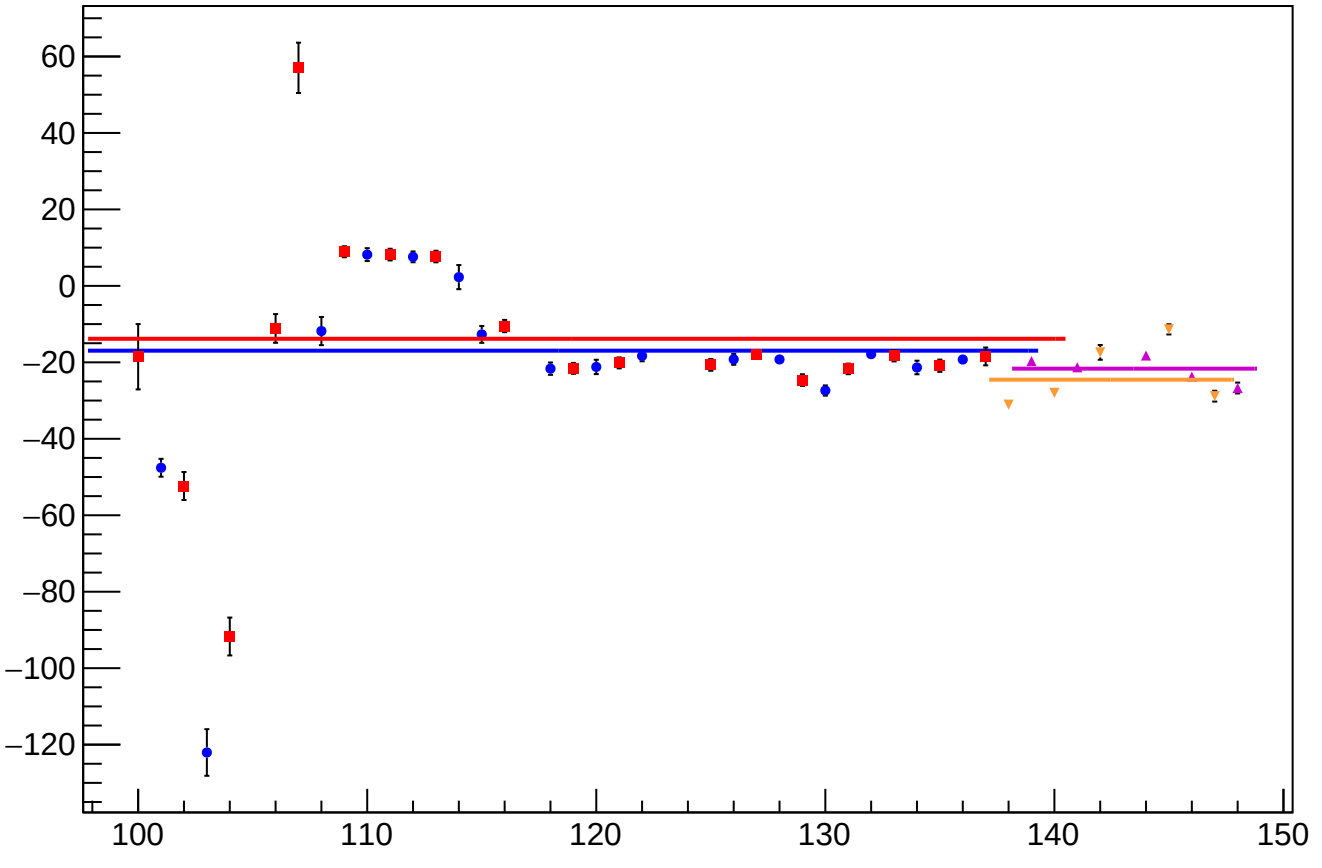
Left: -39.716+/-0.026 χ^2/NDF: 190978.0/9

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.125+/-0.025 χ^2/NDF:875278.7/20

Out: -31.620+/-0.028 χ^2/NDF:769518.5/22

All: -30.253+/-0.019 χ^2/NDF: 1649243.6/43



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -24.539+/-0.599 χ^2/NDF:158.8/4

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -21.651+/-0.573 χ^2/NDF:25.6/4

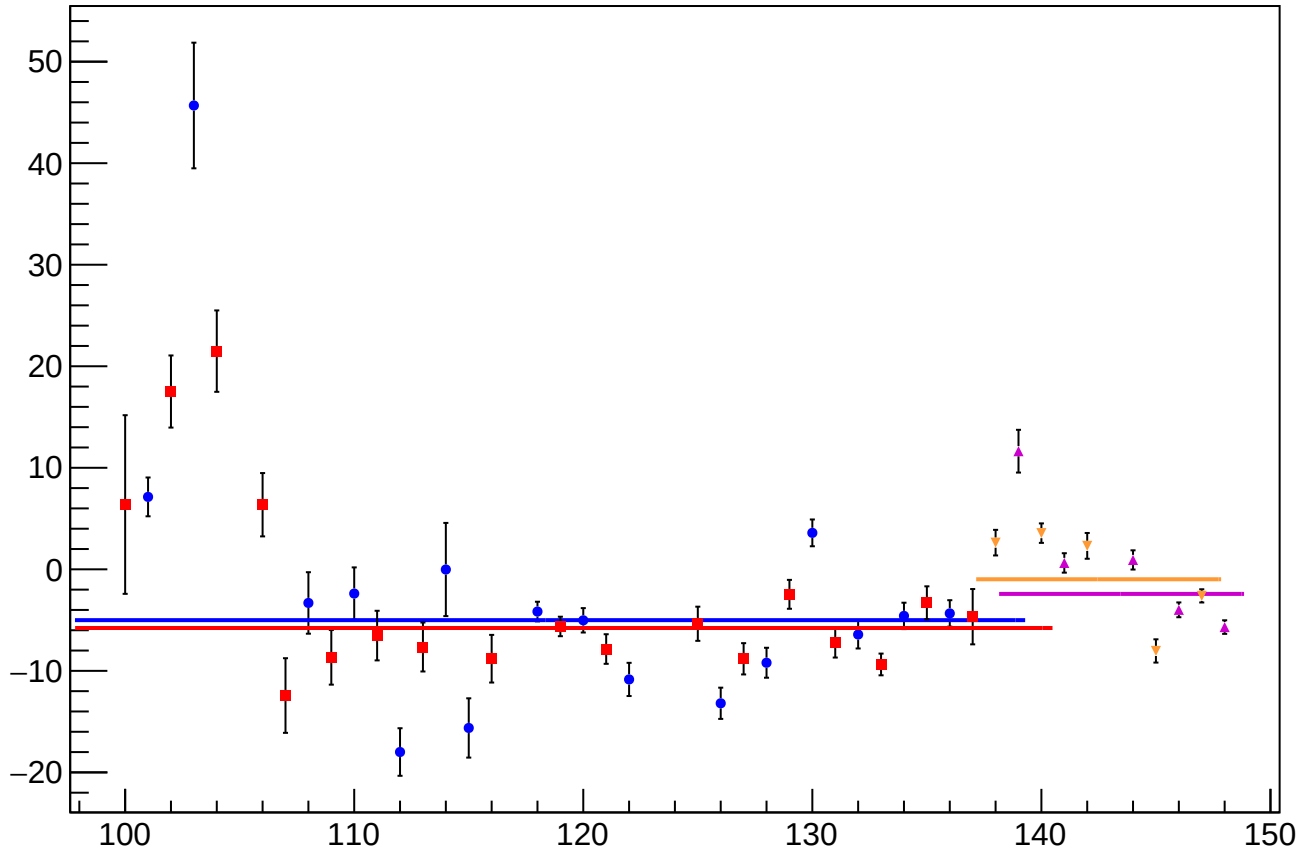
Left: -23.031+/-0.414 χ^2/NDF: 196.6/9

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -18.509+/-0.330 χ^2/NDF:1198.8/20

Out: -17.241+/-0.338 χ^2/NDF:1709.6/22

All: -17.890+/-0.236 χ^2/NDF: 2915.6/43



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -0.979+/-0.428 χ^2/NDF:81.6/4

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.422+/-0.391 χ^2/NDF:95.7/4

Left: -1.766+/-0.289 χ^2/NDF: 183.5/9

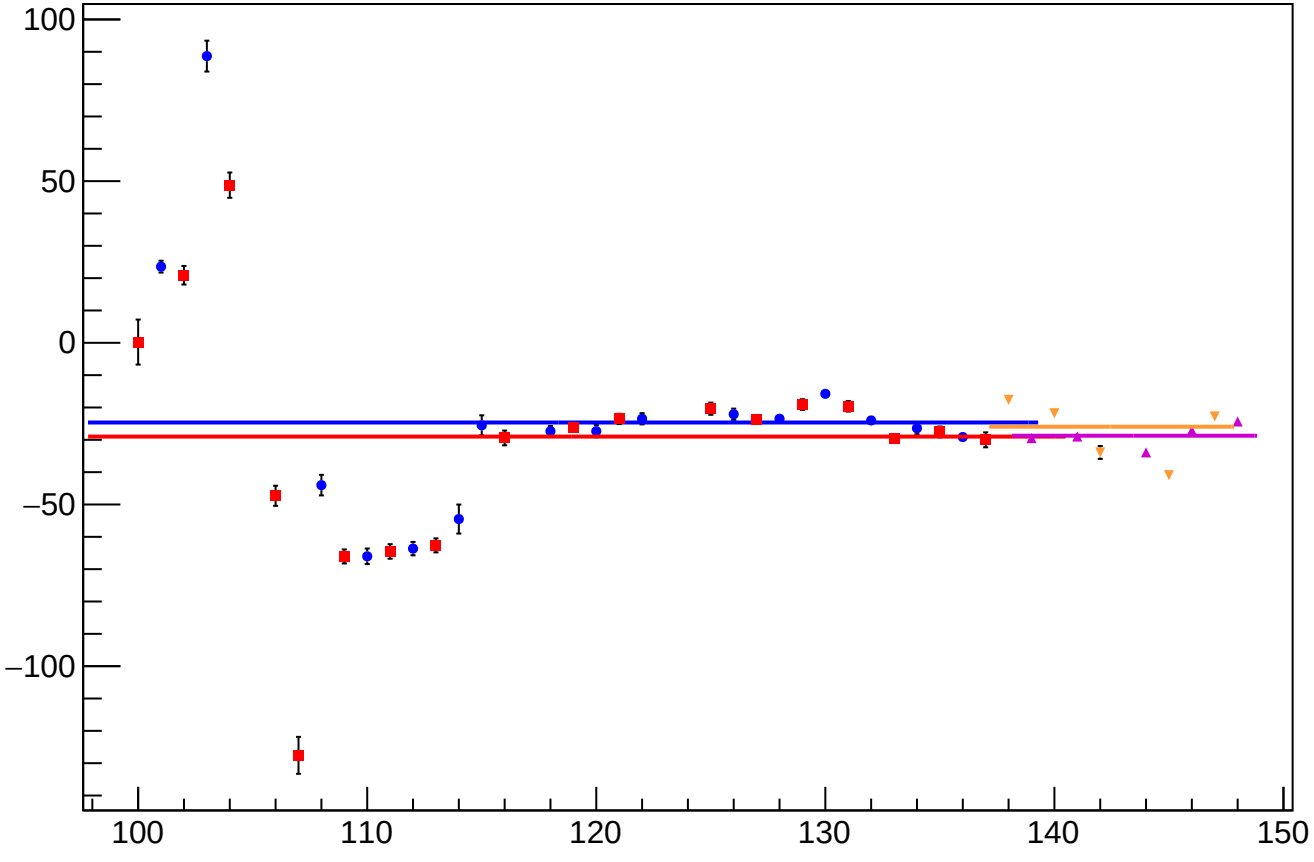
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.679+/-0.280 χ^2/NDF:364.8/20

Out: -3.427+/-0.300 χ^2/NDF:285.1/22

All: -3.562+/-0.205 χ^2/NDF: 650.2/43

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: -25.944+/-0.606 χ^2/NDF:199.5/4

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -28.731+/-0.573 χ^2/NDF:28.6/4

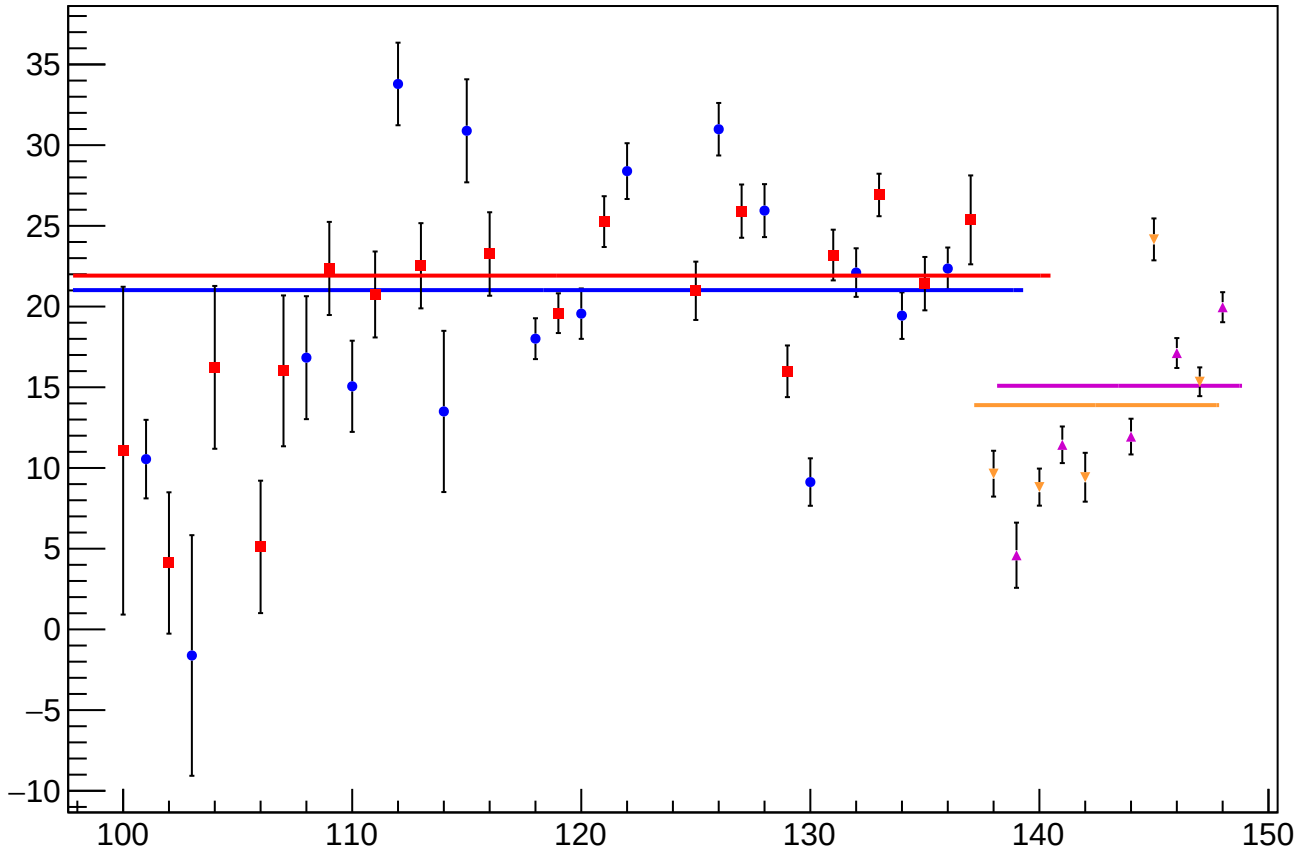
Left: -27.415+/-0.416 χ^2/NDF: 239.3/9

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -26.221+/-0.356 χ^2/NDF:2111.7/20

Out: -27.837+/-0.374 χ^2/NDF:2167.5/22

All: -26.991+/-0.258 χ^2/NDF: 4289.0/43



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 13.894+/-0.531 χ^2/NDF:102.4/4

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.092+/-0.490 χ^2/NDF:77.7/4

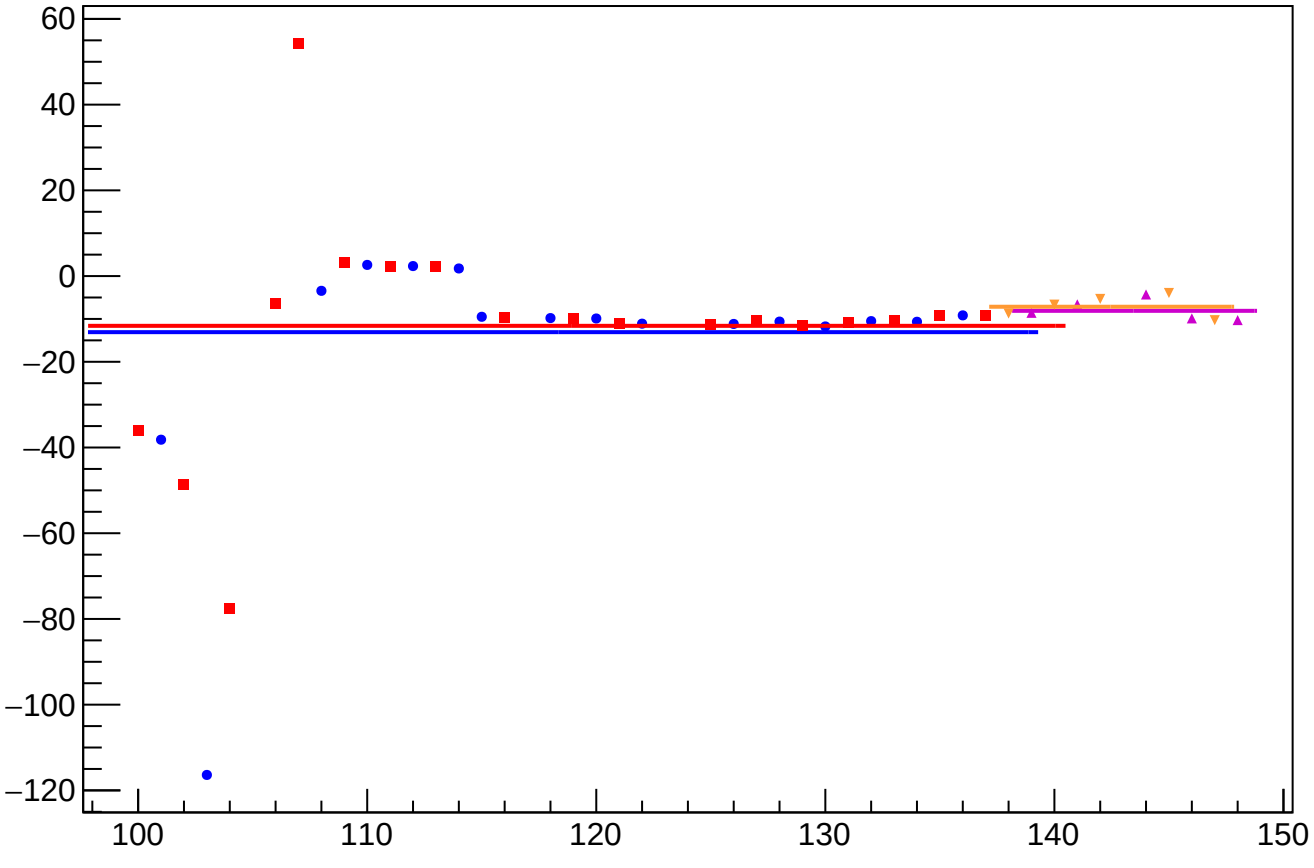
Left: 14.541+/-0.360 χ^2/NDF: 182.8/9

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.257+/-0.335 χ^2/NDF:365.3/20

Out: 18.324+/-0.355 χ^2/NDF:310.9/22

All: 18.288+/-0.244 χ^2/NDF: 676.2/43



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.155+/-0.025 χ^2/NDF:8084.3/4

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -8.111+/-0.023 χ^2/NDF:7827.8/4

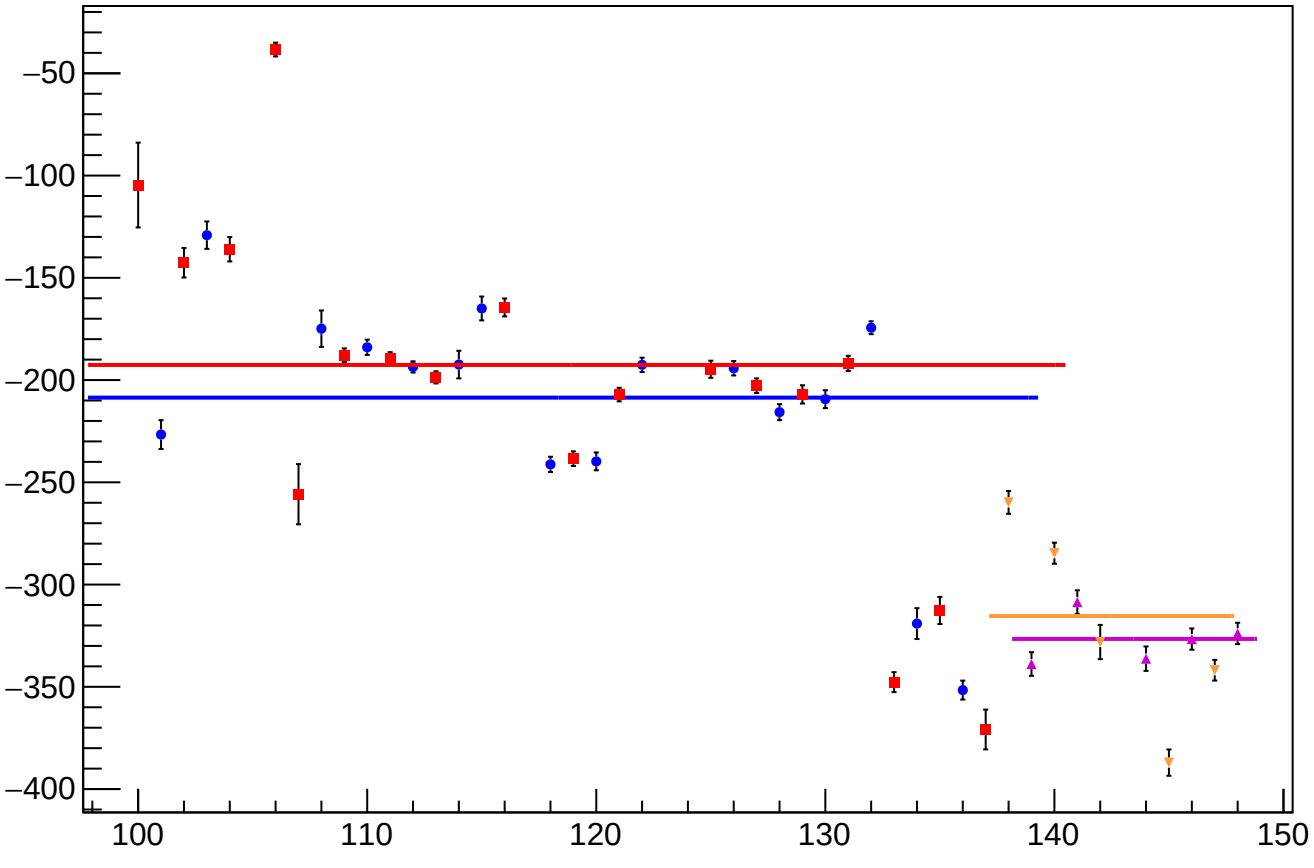
Left: -7.674+/-0.017 χ^2/NDF: 16688.8/9

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.099+/-0.018 χ^2/NDF:371181.0/20

Out: -8.940+/-0.020 χ^2/NDF:334730.9/22

All: -9.569+/-0.013 χ^2/NDF: 707817.1/43



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -315.403+/-2.606 χ^2/NDF:288.2/4

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -326.587+/-2.488 χ^2/NDF:17.1/4

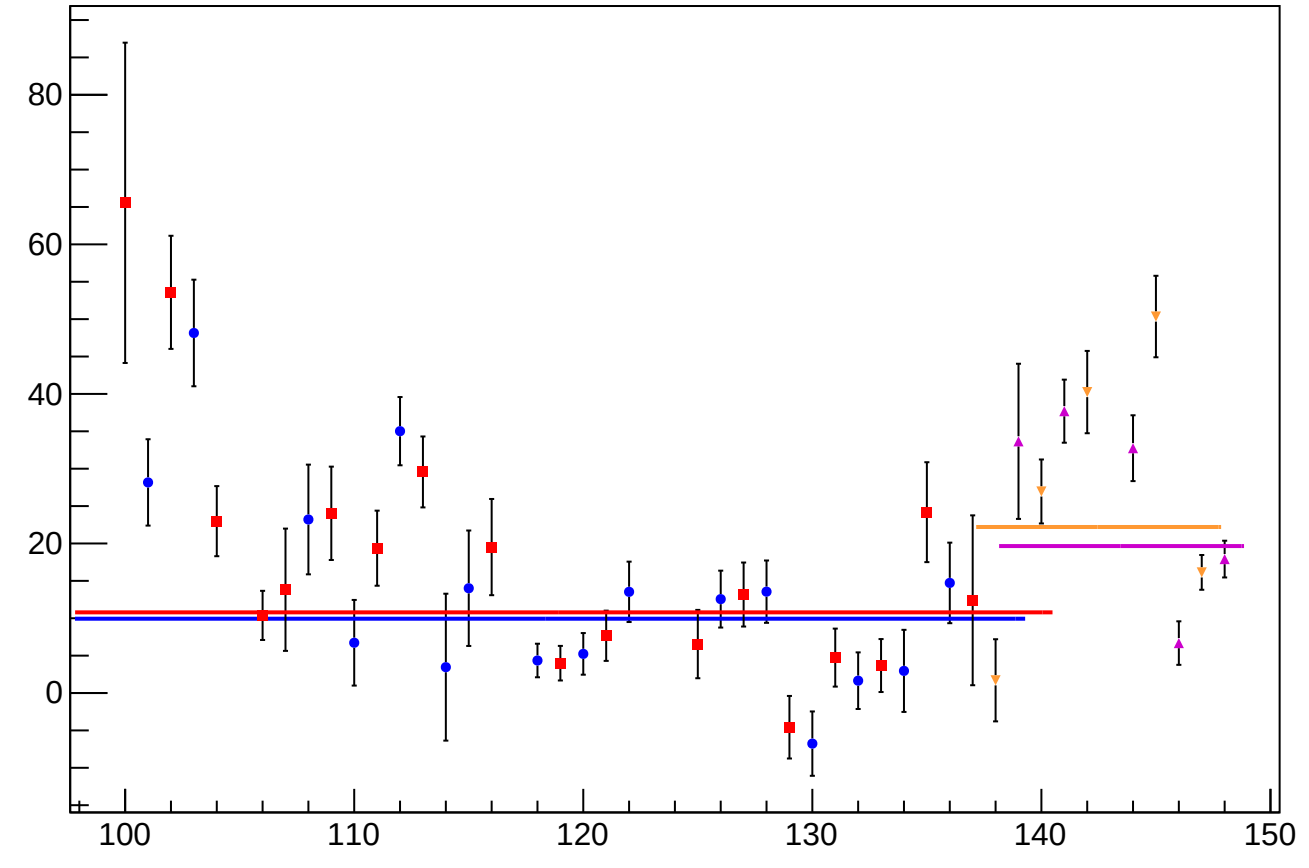
Left: -321.254+/-1.799 χ^2/NDF: 315.0/9

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -226.906+/-0.980 χ^2/NDF:3668.9/20

Out: -208.344+/-0.933 χ^2/NDF:6430.7/22

All: -217.164+/-0.676 χ^2/NDF: 10287.8/43



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 22.204+/-1.716 χ^2/NDF:59.4/4

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 19.654+/-1.580 χ^2/NDF:49.3/4

Left: 20.823+/-1.162 χ^2/NDF: 109.9/9

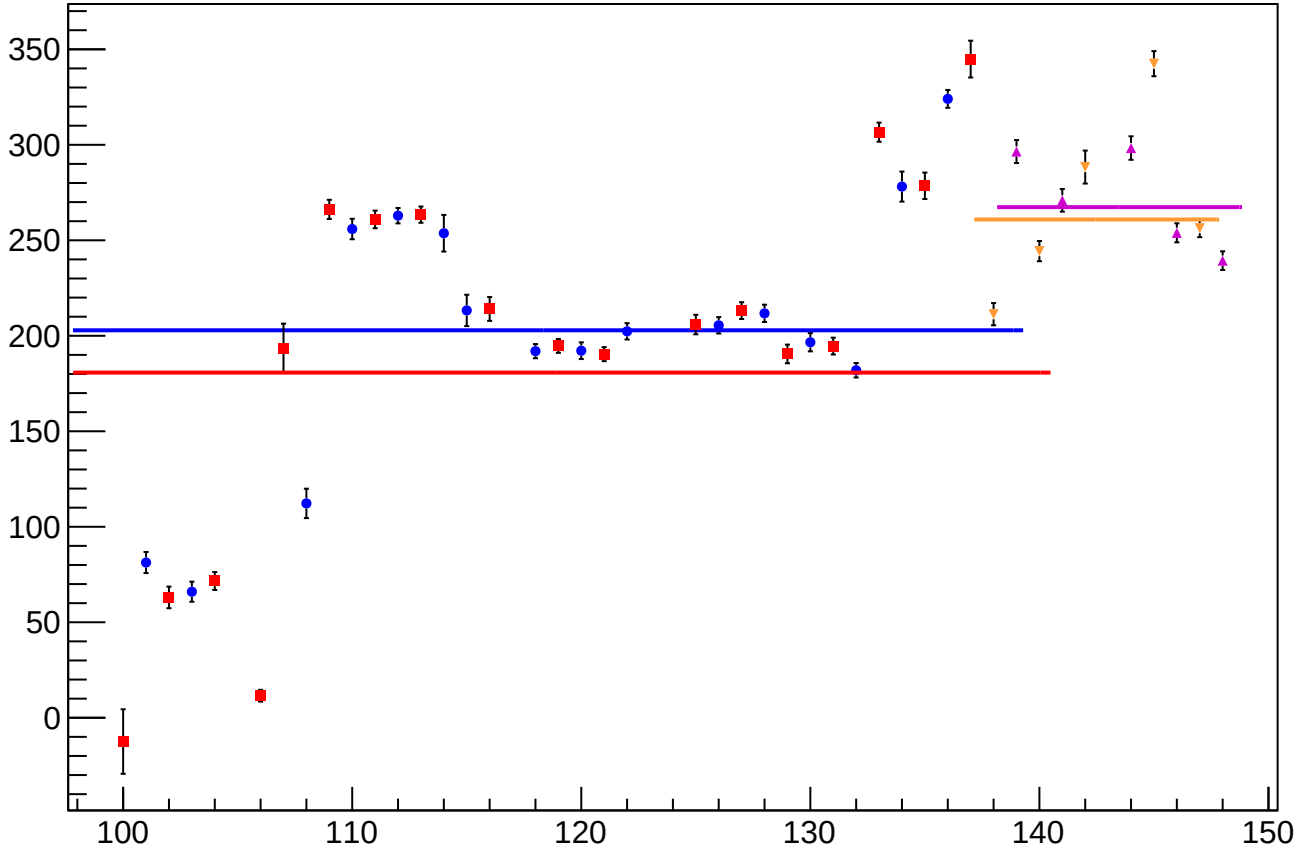
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.976+/-0.883 χ^2/NDF:181.9/20

Out: 13.870+/-0.892 χ^2/NDF:196.8/22

All: 13.419+/-0.628 χ^2/NDF: 379.2/43

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 260.885+/-2.611 χ^2/NDF:247.3/4

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 267.380+/-2.464 χ^2/NDF:89.2/4

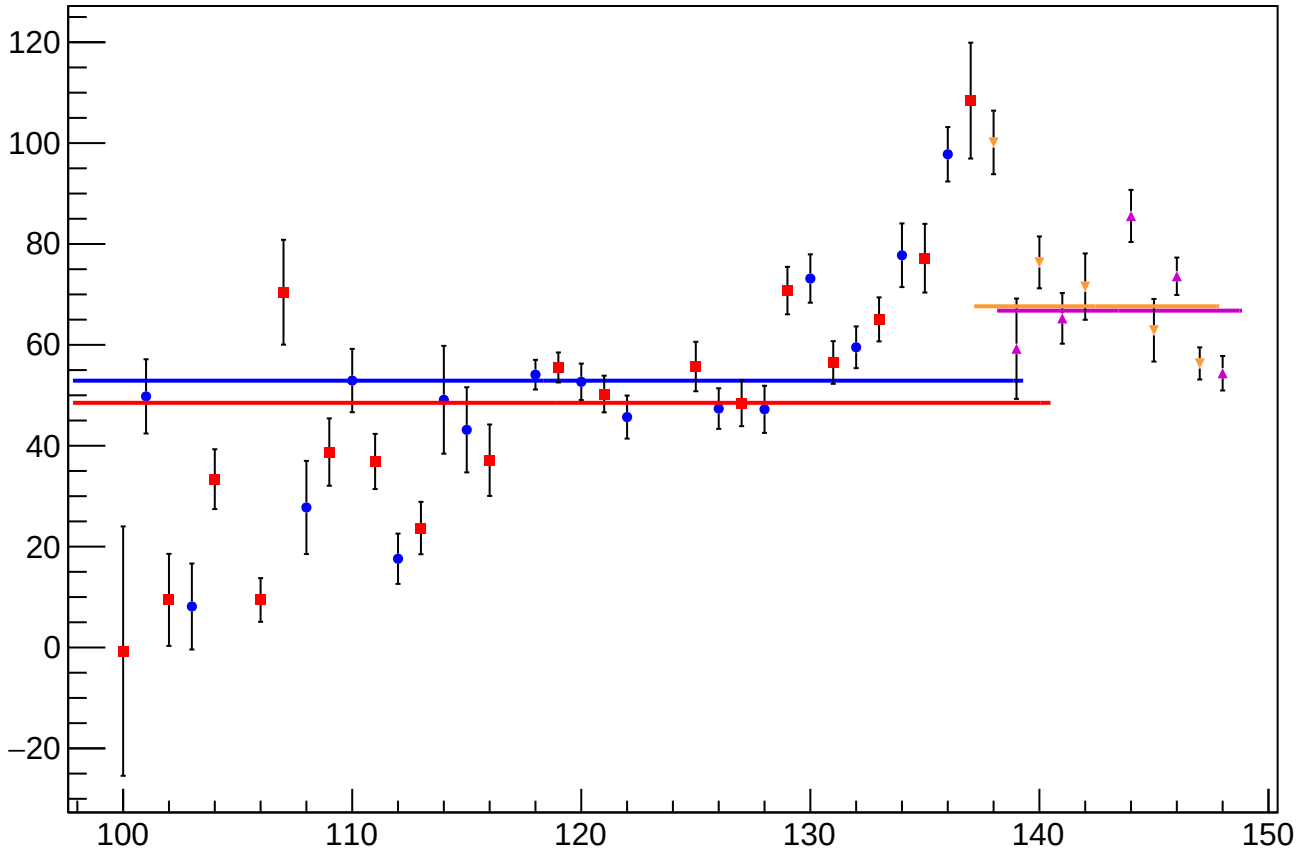
Left: 264.321+/-1.792 χ^2/NDF: 339.8/9

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 215.670+/-1.097 χ^2/NDF:3102.9/20

Out: 193.629+/-1.048 χ^2/NDF:7385.7/22

All: 204.138+/-0.758 χ^2/NDF: 10699.6/43



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 67.646+/-2.180 χ^2/NDF:43.0/4

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 66.784+/-2.018 χ^2/NDF:30.4/4

Left: 67.182+/-1.481 χ^2/NDF: 73.5/9

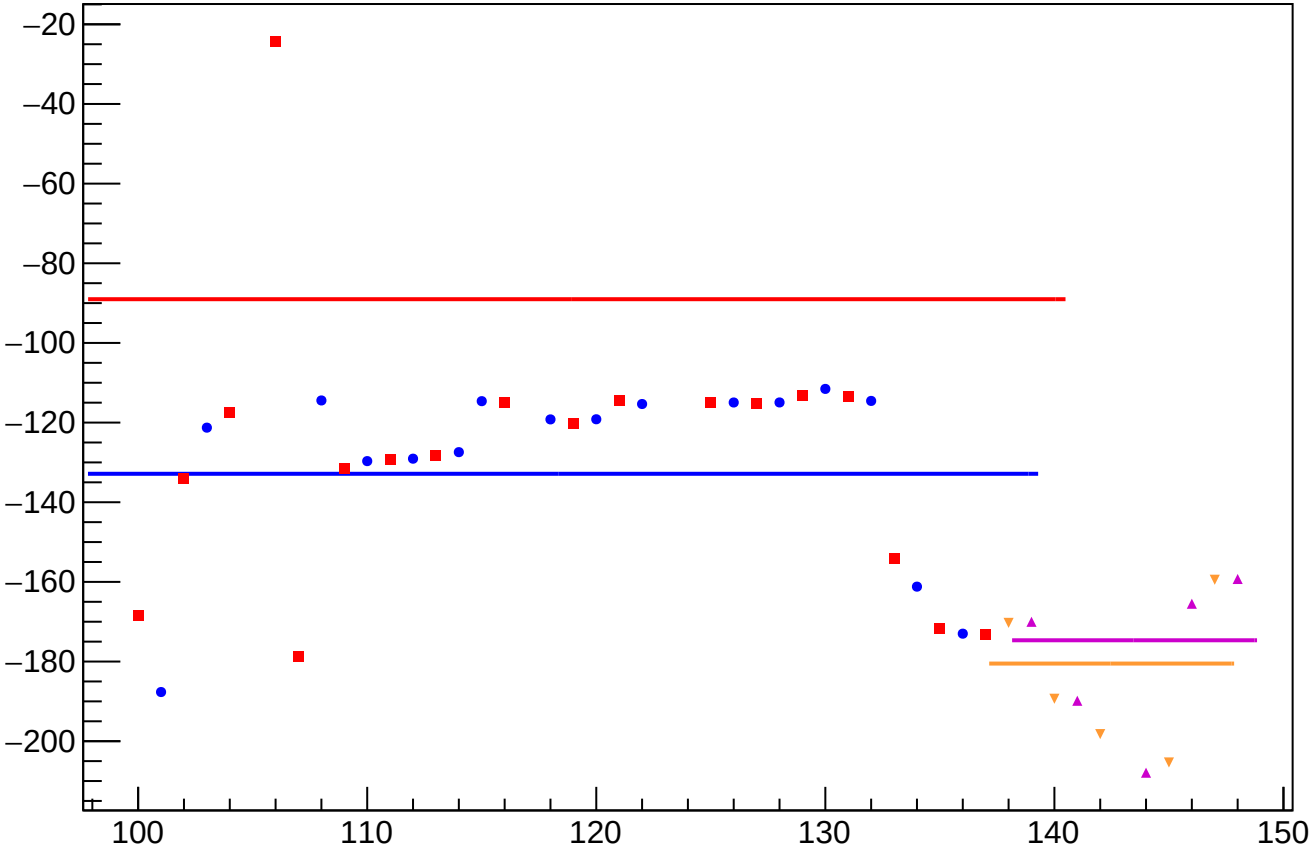
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 56.711+/-1.057 χ^2/NDF:263.1/20

Out: 53.041+/-1.061 χ^2/NDF:341.8/22

All: 54.882+/-0.749 χ^2/NDF: 610.9/43

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -180.507+/-0.111 χ^2/NDF:24957.6/4

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -174.659+/-0.100 χ^2/NDF:26797.6/4

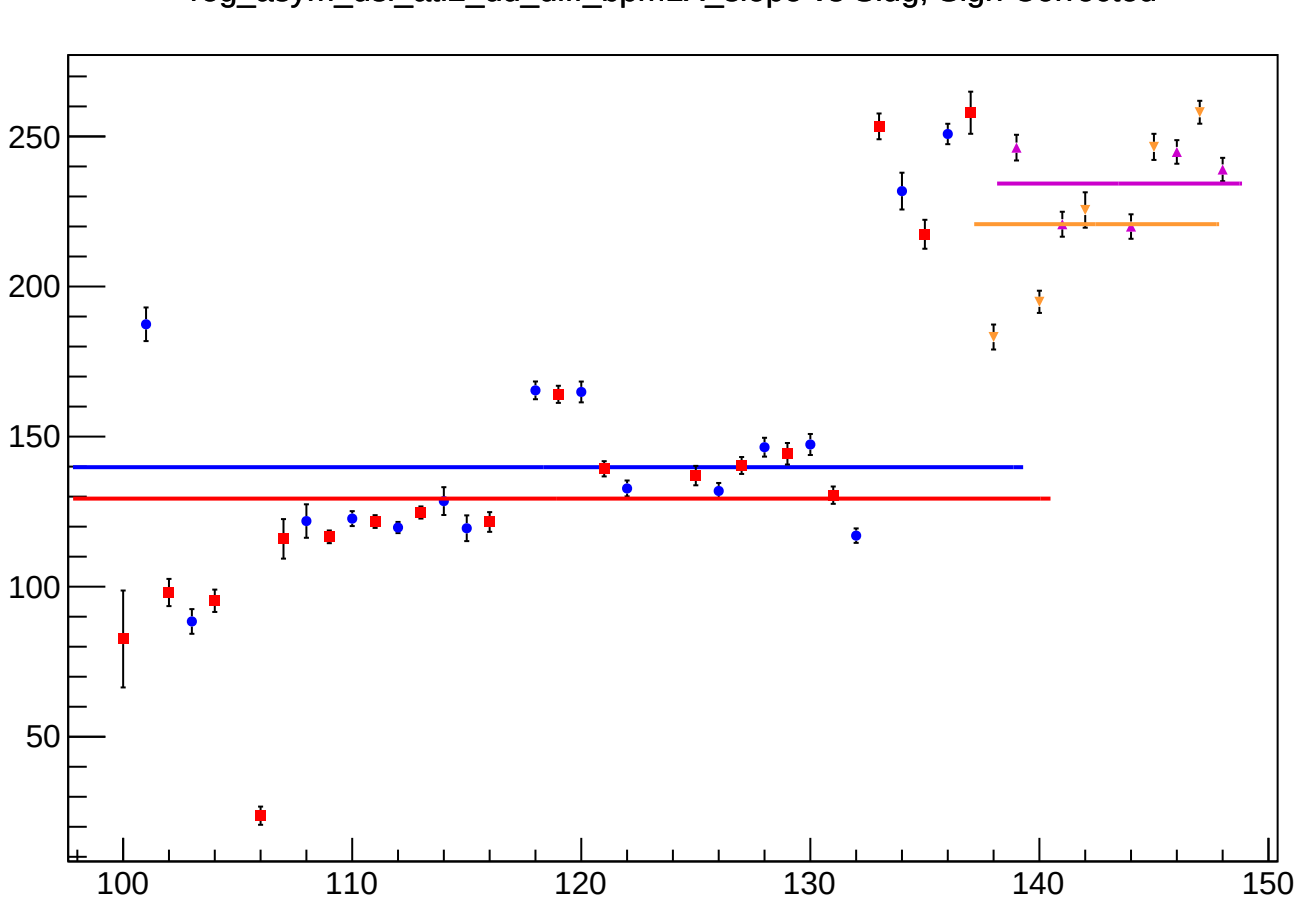
Left: -177.299+/-0.074 χ^2/NDF: 53286.1/9

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -149.419+/-0.063 χ^2/NDF:224914.0/20

Out: -112.026+/-0.056 χ^2/NDF:1264224.6/22

All: -128.308+/-0.042 χ^2/NDF: 1686690.1/43



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 220.772+/-1.886 χ^2/NDF:261.8/4

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 234.305+/-1.816 χ^2/NDF:39.4/4

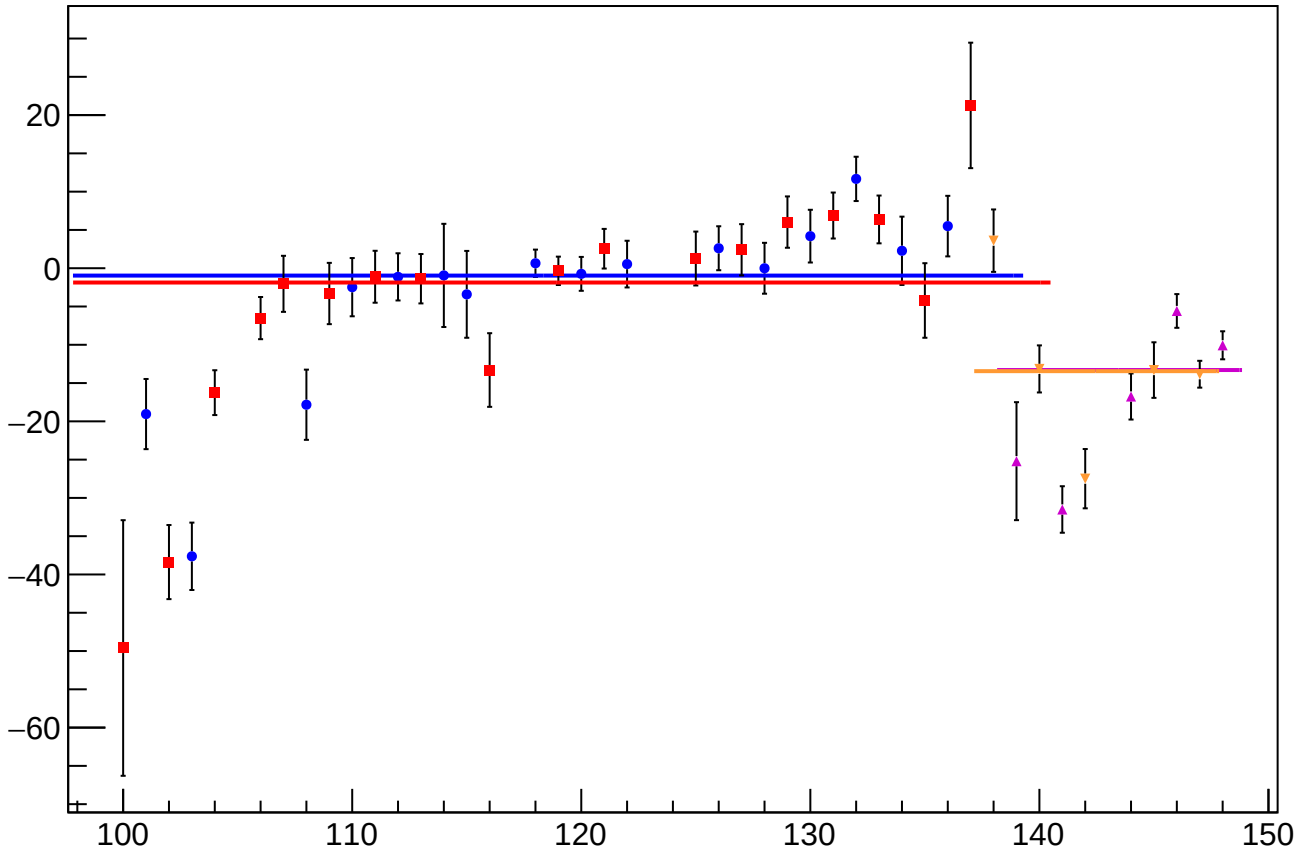
Left: 227.796+/-1.308 χ^2/NDF: 327.9/9

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 154.679+/-0.720 χ^2/NDF:4286.9/20

Out: 141.378+/-0.684 χ^2/NDF:5426.1/22

All: 147.688+/-0.496 χ^2/NDF: 9892.3/43



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -13.445+/-1.256 χ^2/NDF:30.7/4

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -13.298+/-1.162 χ^2/NDF:55.1/4

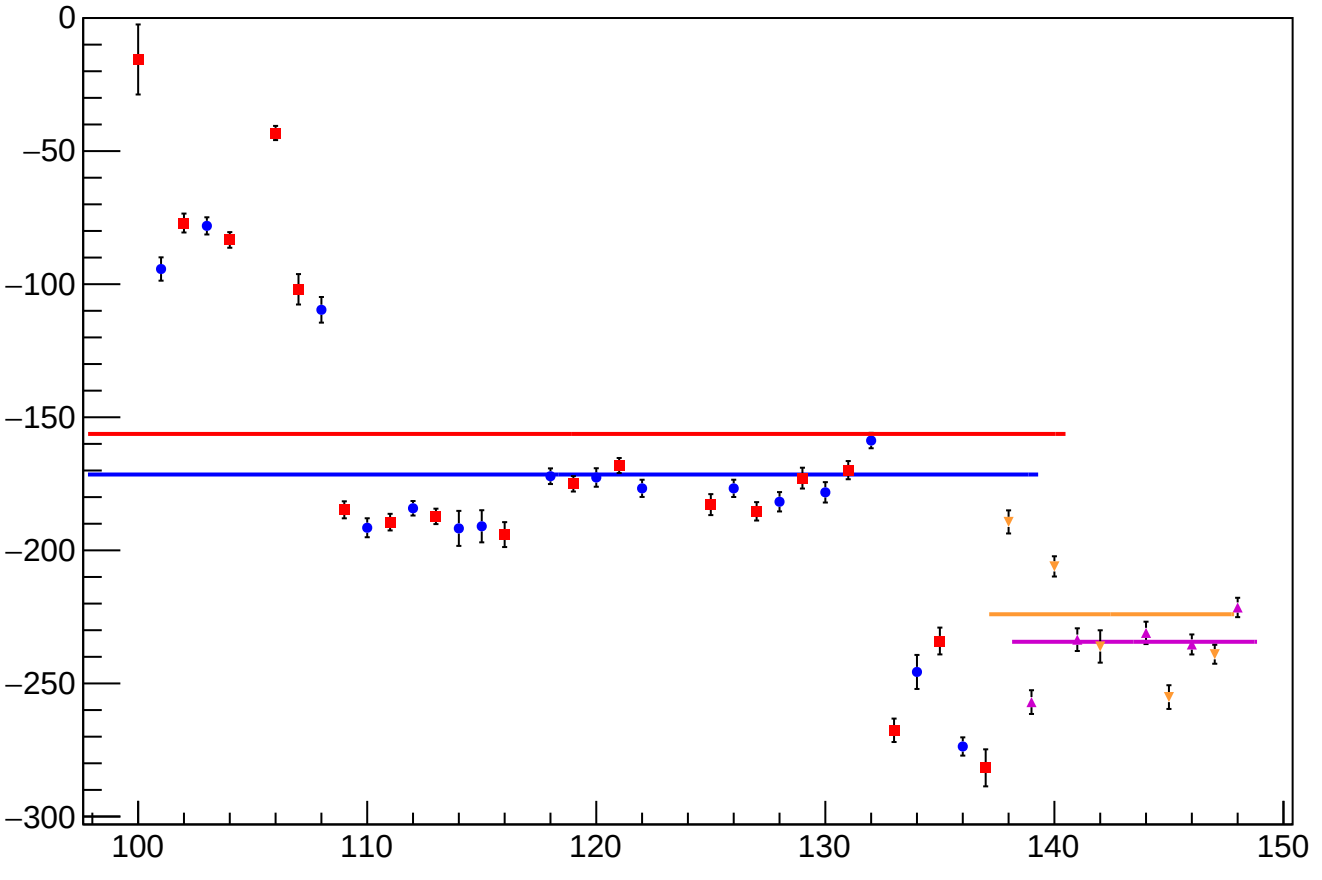
Left: -13.365+/-0.853 χ^2/NDF: 85.8/9

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.984+/-0.664 χ^2/NDF:257.0/20

Out: -5.113+/-0.665 χ^2/NDF:225.0/22

All: -5.049+/-0.470 χ^2/NDF: 482.1/43



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.008+/-1.895 χ^2/NDF:156.8/4

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -234.354+/-1.802 χ^2/NDF:39.1/4

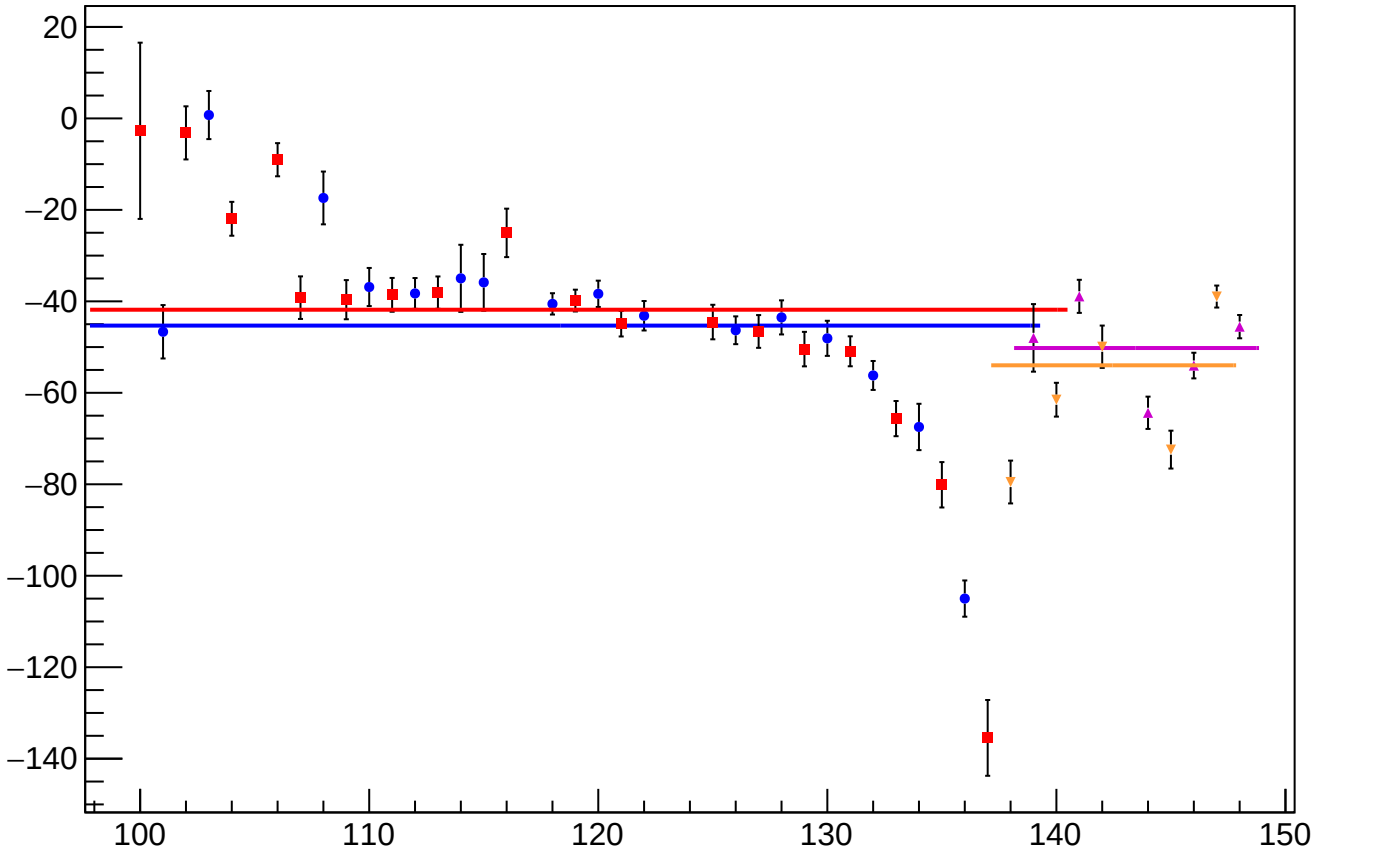
Left: -229.441+/-1.306 χ^2/NDF: 211.5/9

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -184.210+/-0.810 χ^2/NDF:3452.8/20

Out: -167.552+/-0.774 χ^2/NDF:6126.6/22

All: -175.497+/-0.559 χ^2/NDF: 9800.7/43



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -53.987+/-1.587 χ^2/NDF:93.5/4

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -50.207+/-1.480 χ^2/NDF:31.2/4

Left: -51.965+/-1.083 χ^2/NDF: 127.8/9

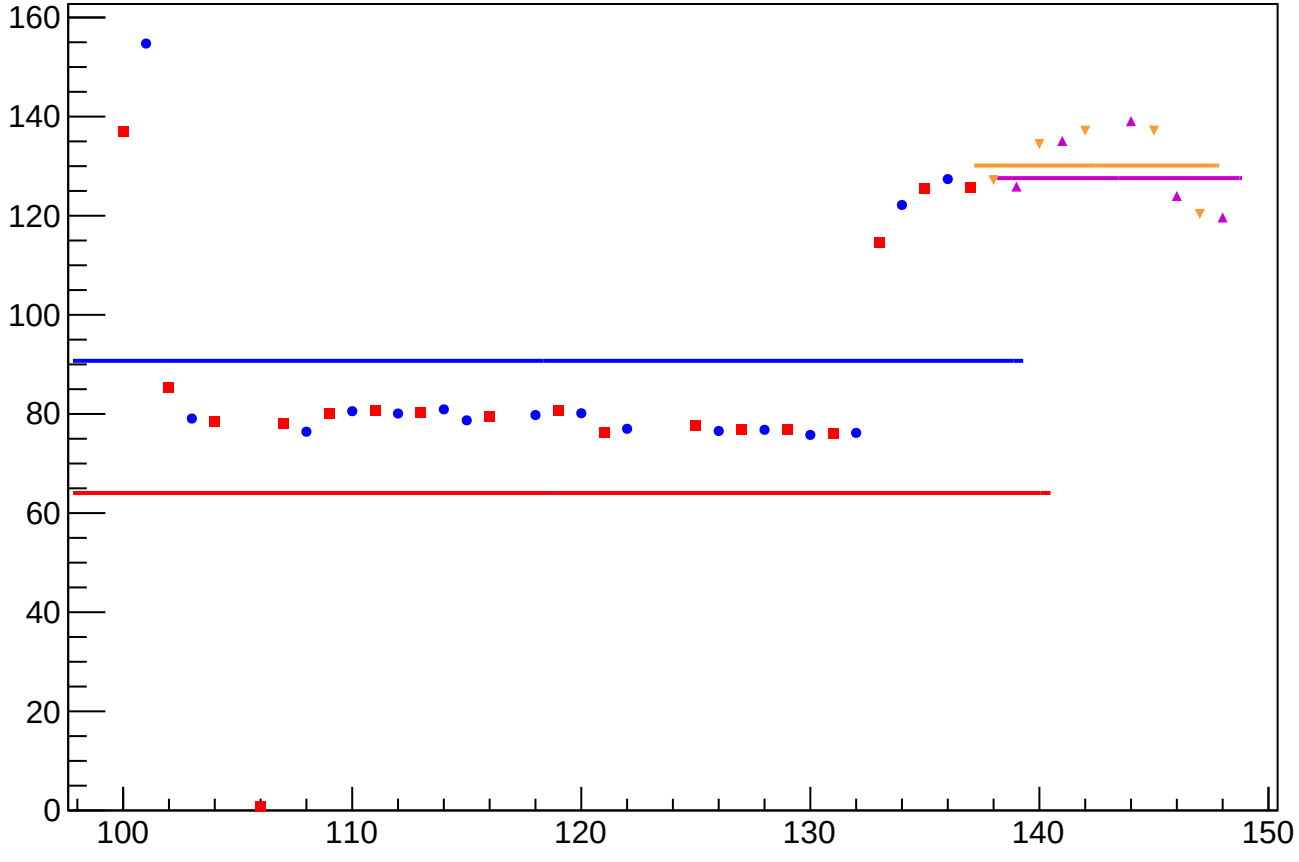
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -46.708+/-0.792 χ^2/NDF:421.1/20

Out: -44.835+/-0.789 χ^2/NDF:551.9/22

All: -45.768+/-0.559 χ^2/NDF: 975.8/43

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 130.129+/-0.080 χ^2/NDF:7145.0/4

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 127.590+/-0.074 χ^2/NDF:9092.9/4

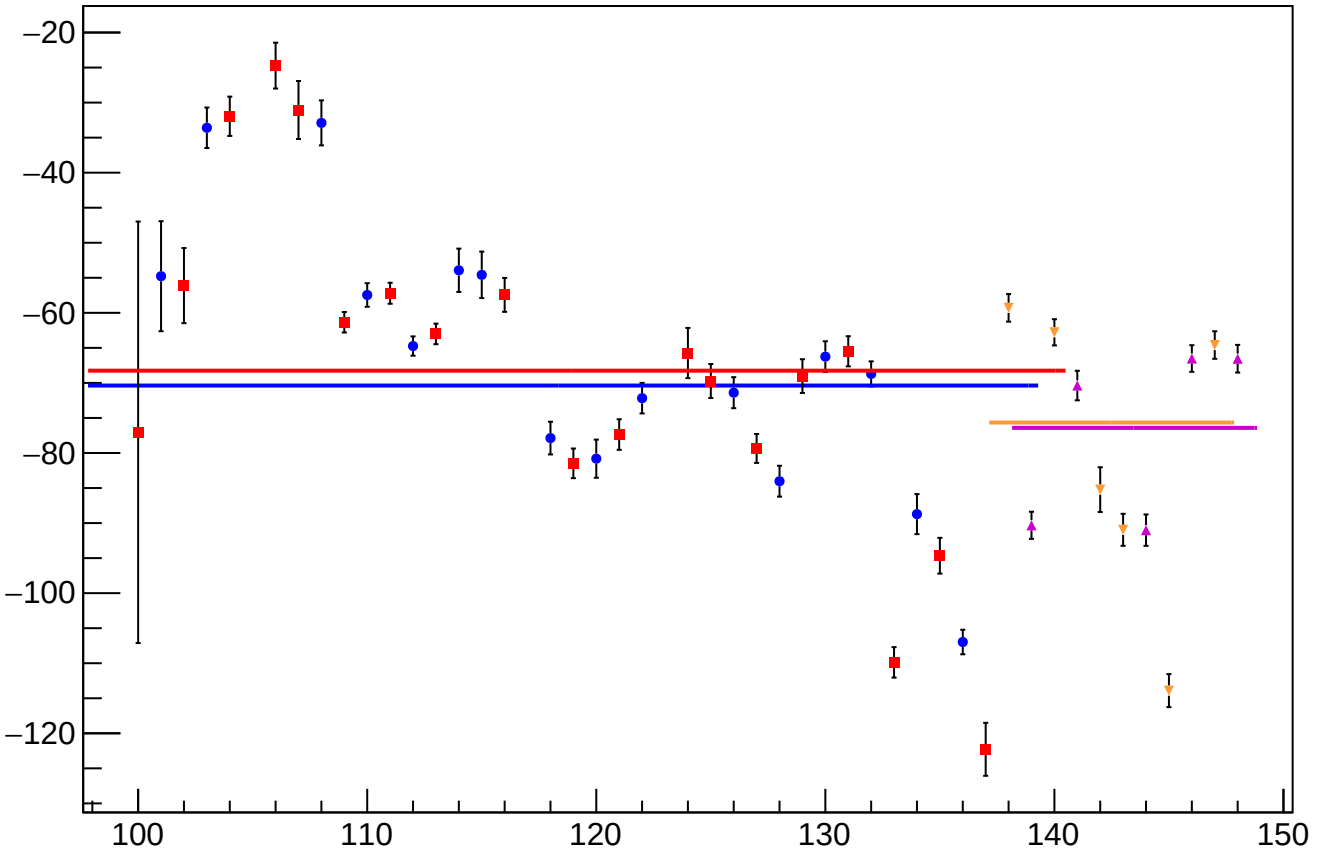
Left: 128.750+/-0.054 χ^2/NDF: 16781.9/9

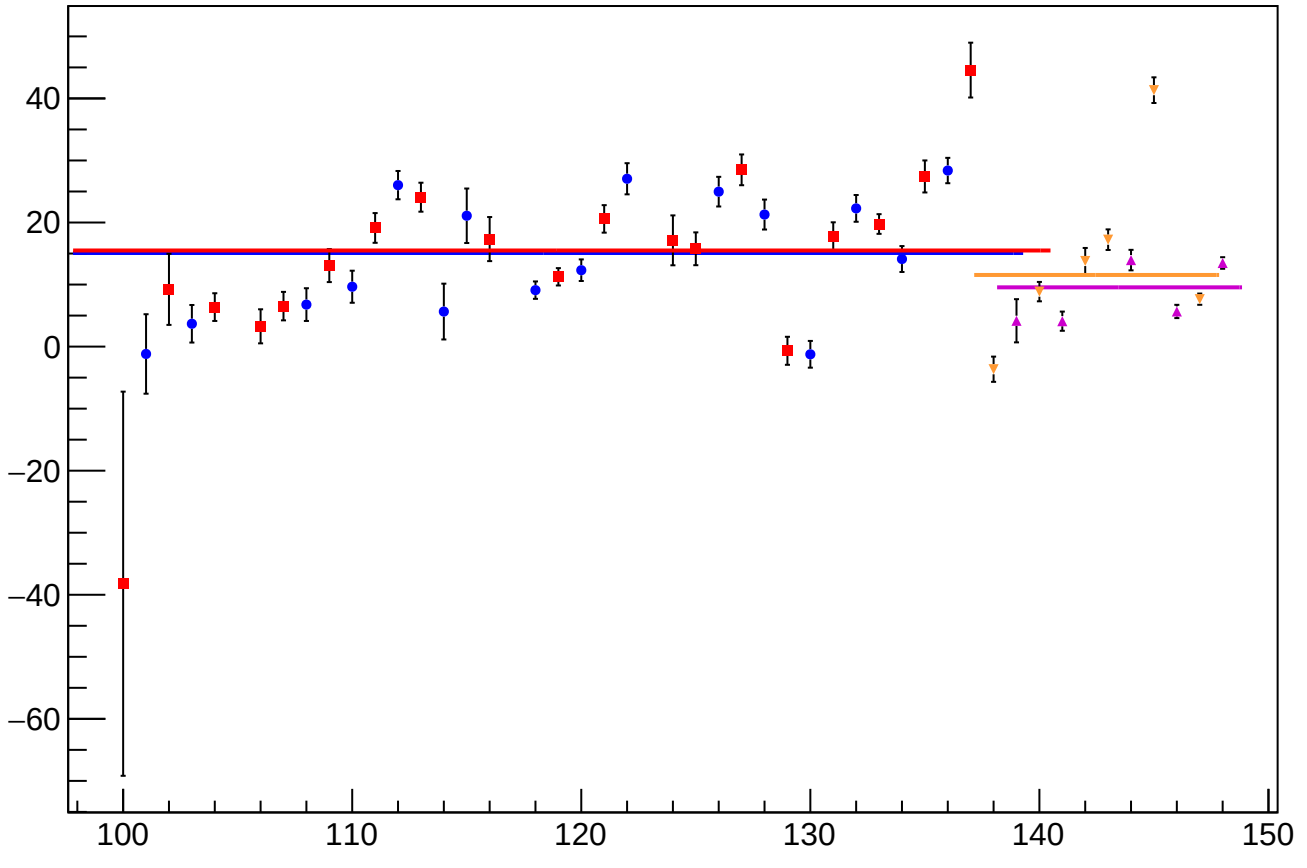
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 104.995+/-0.046 χ^2/NDF:324041.2/20

Out: 82.177+/-0.042 χ^2/NDF:1160689.1/22

All: 92.603+/-0.031 χ^2/NDF: 1619612.1/43


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -70.374+/-0.558 χ²/NDF: 974.9/15
Left Out: -75.654+/-0.886 χ²/NDF:465.8/5
Right Out: -68.252+/-0.527 χ²/NDF: 1306.0/18
Left In: -76.416+/-0.904 χ²/NDF:154.4/4
Left: -76.027+/-0.633 χ²/NDF: 620.6/10
Right: -69.252+/-0.383 χ²/NDF: 2288.5/34
In: -72.041+/-0.475 χ²/NDF:1161.7/20
Out: -70.183+/-0.453 χ²/NDF:1823.3/24
All: -71.068+/-0.328 χ²/NDF: 2993.0/45



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 11.547+/-0.609 χ^2/NDF:297.5/5

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 9.551+/-0.588 χ^2/NDF:52.8/4

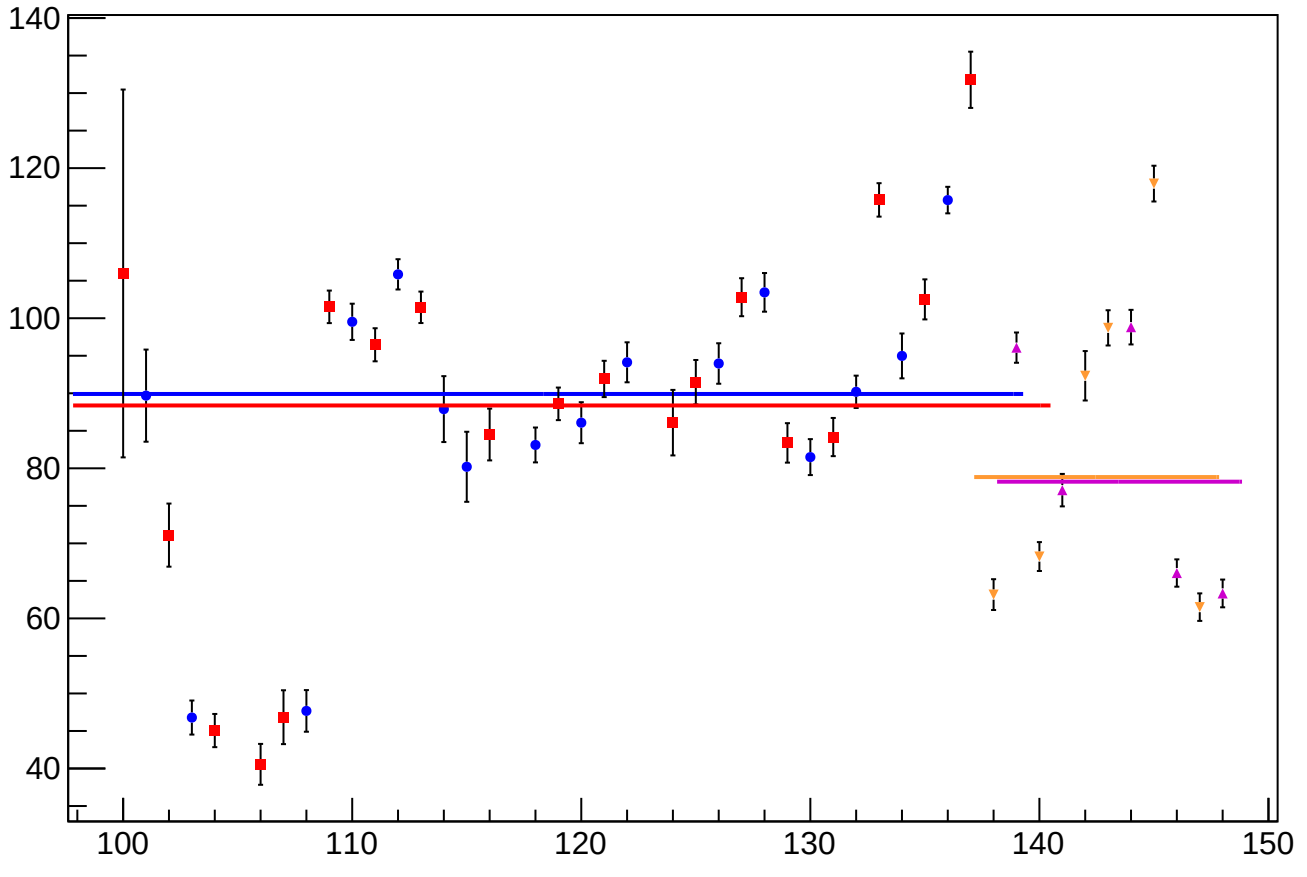
Left: 10.513+/-0.423 χ^2/NDF: 355.9/10

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 12.355+/-0.413 χ^2/NDF:340.2/20

Out: 13.692+/-0.412 χ^2/NDF:559.5/24

All: 13.026+/-0.292 χ^2/NDF: 905.0/45



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 78.835+/-0.893 χ^2/NDF:535.4/5

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 78.218+/-0.897 χ^2/NDF:268.1/4

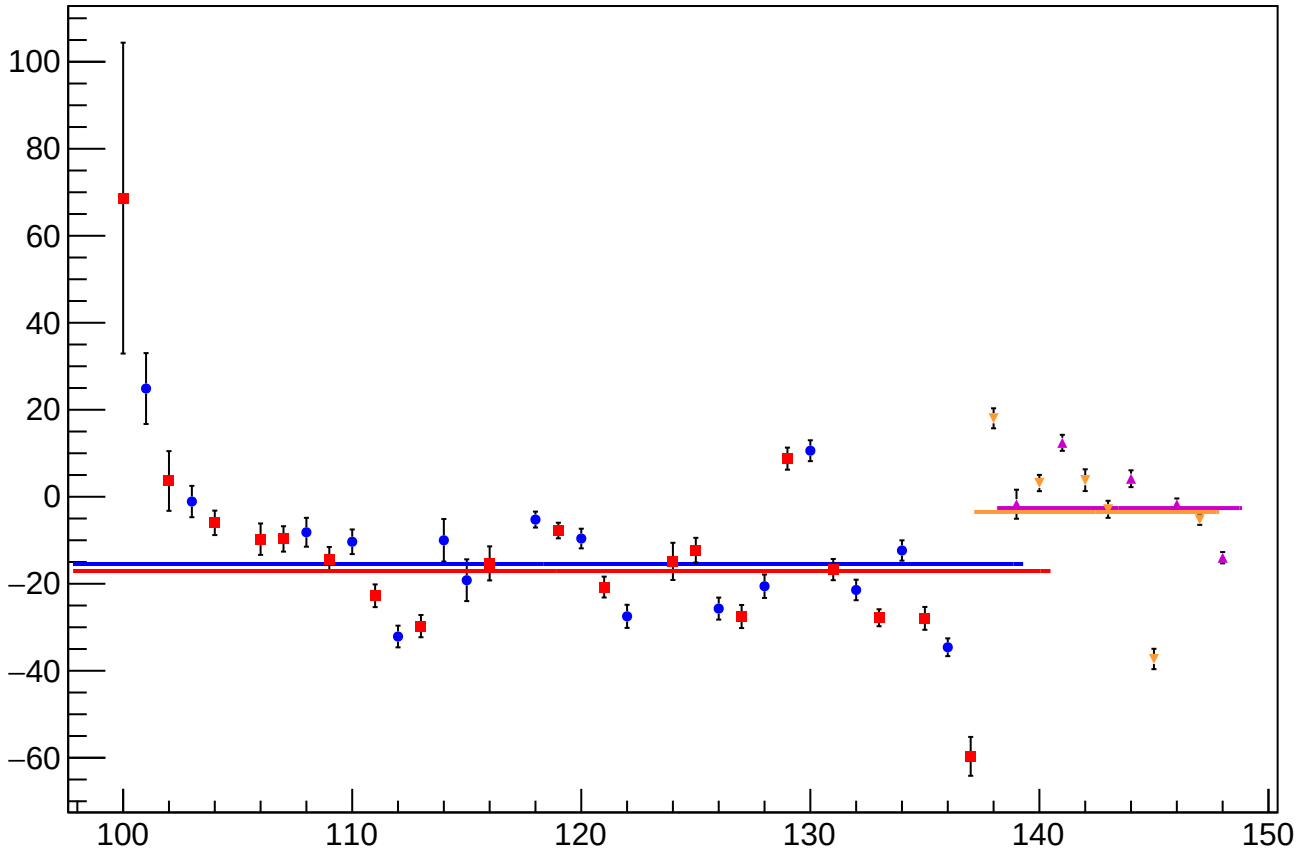
Left: 78.528+/-0.633 χ^2/NDF: 803.8/10

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 85.960+/-0.521 χ^2/NDF:1328.2/20

Out: 85.289+/-0.508 χ^2/NDF:1901.5/24

All: 85.616+/-0.364 χ^2/NDF: 3230.6/45



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.490+/-0.761 χ^2/NDF:319.0/5

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.598+/-0.748 χ^2/NDF:156.7/4

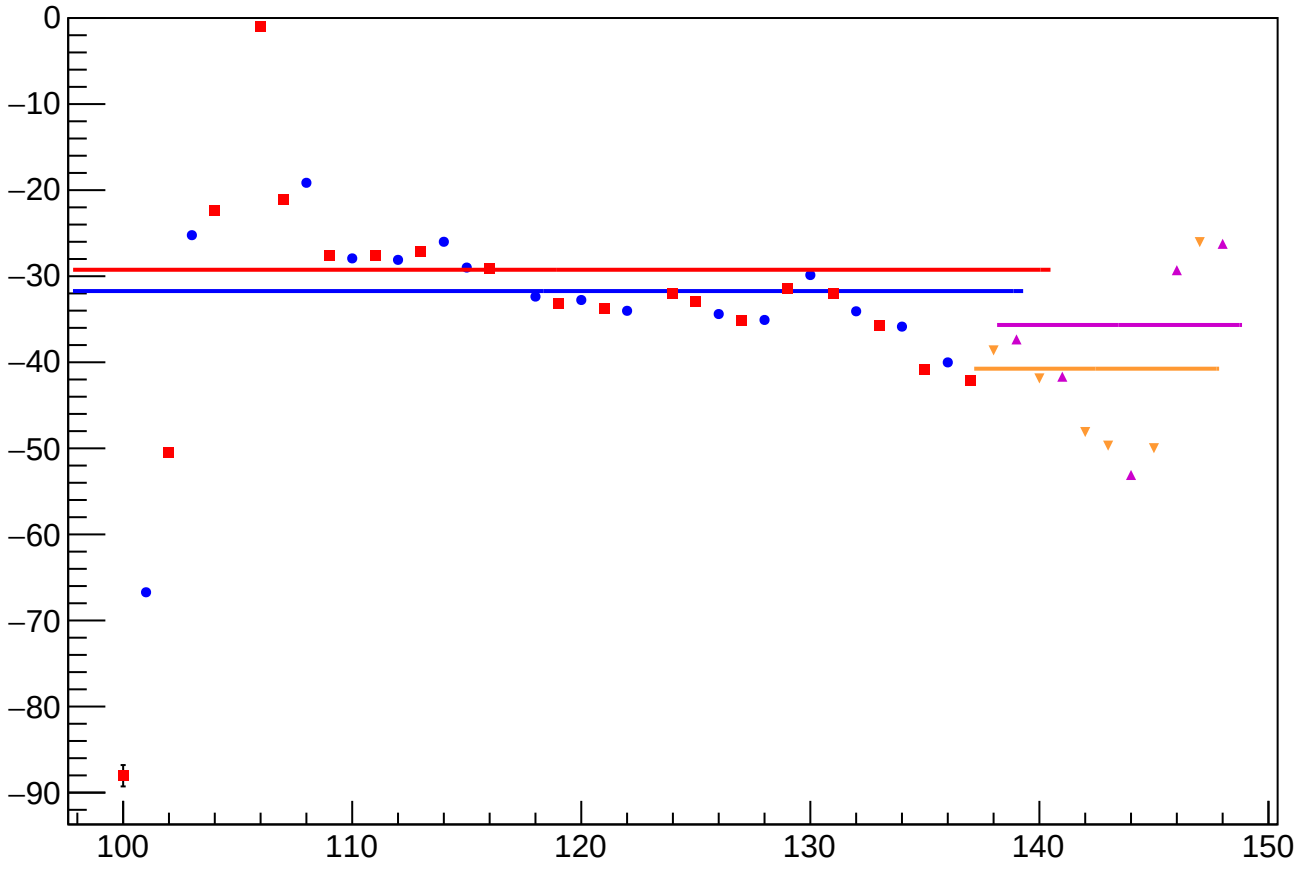
Left: -3.036+/-0.534 χ^2/NDF: 476.4/10

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.774+/-0.497 χ^2/NDF:708.1/20

Out: -11.407+/-0.492 χ^2/NDF:865.4/24

All: -10.600+/-0.350 χ^2/NDF: 1579.0/45



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -40.745+/-0.037 χ^2/NDF:54516.1/5

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -35.665+/-0.036 χ^2/NDF:56196.1/4

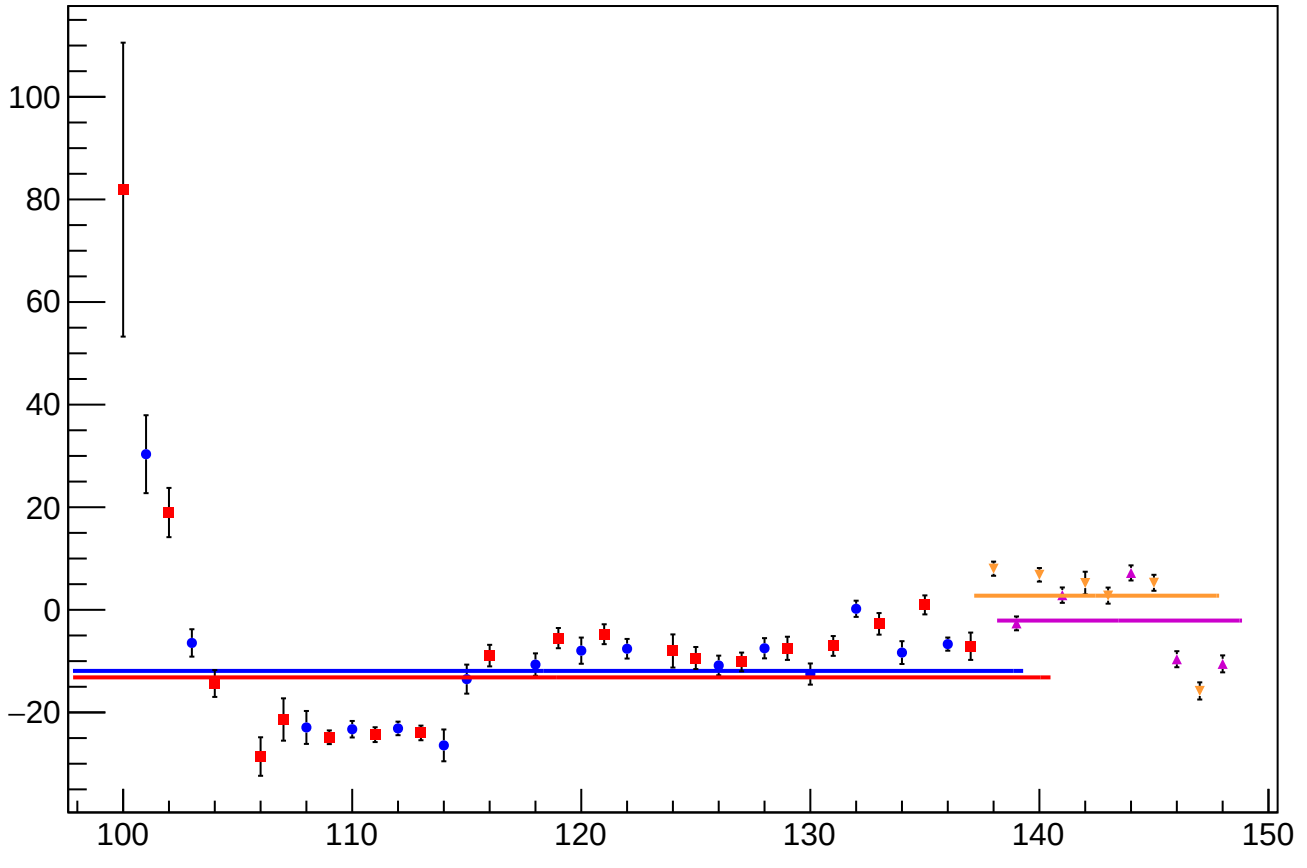
Left: -38.125+/-0.026 χ^2/NDF: 120186.4/10

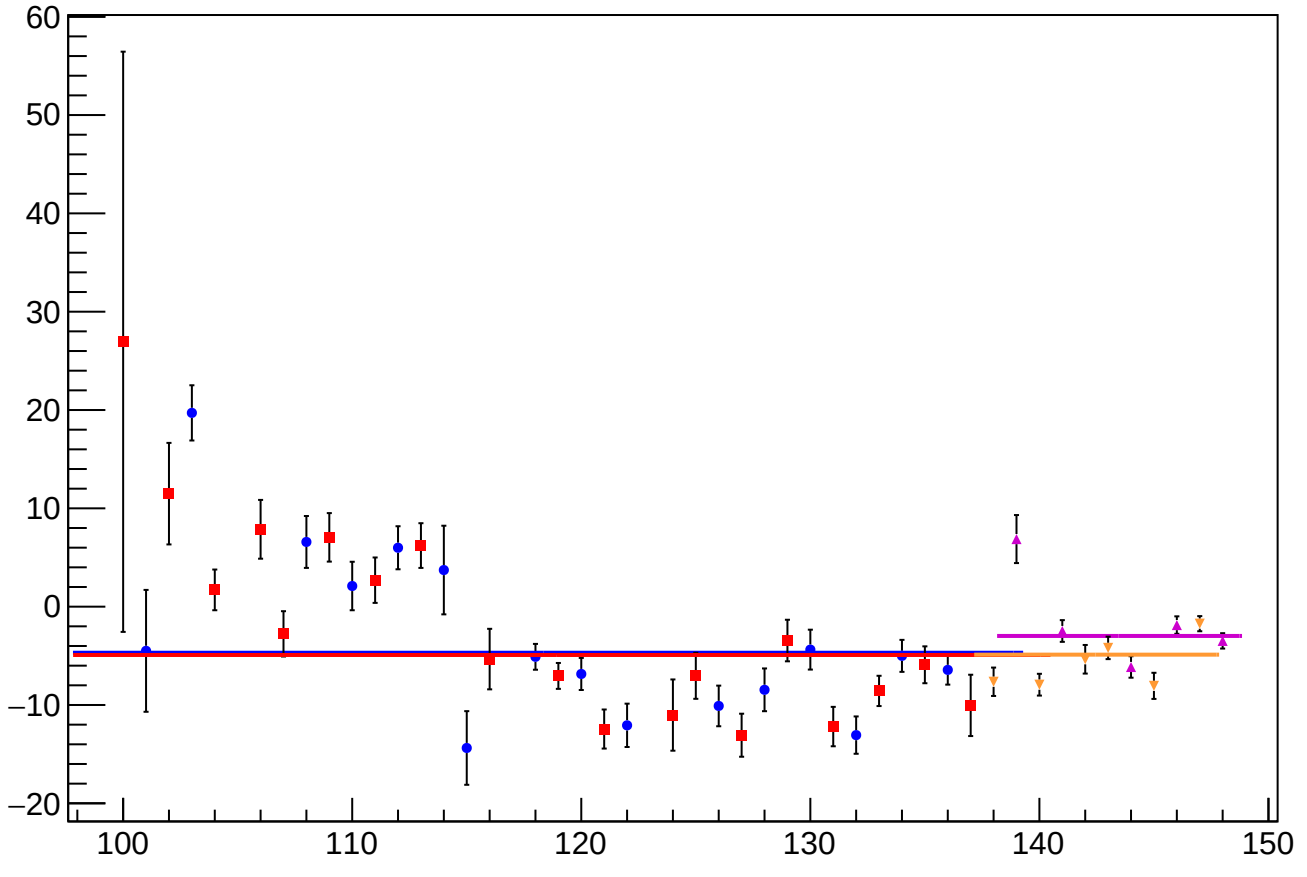
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -33.810+/-0.026 χ^2/NDF:101370.9/20

Out: -35.141+/-0.027 χ^2/NDF:195616.0/24

All: -34.465+/-0.019 χ^2/NDF: 298236.3/45


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: 2.757+/-0.635 χ²/NDF:151.0/5
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -2.093+/-0.670 χ²/NDF:100.0/4
Left: 0.461+/-0.461 χ²/NDF: 278.5/10
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.428+/-0.399 χ²/NDF:520.4/20
Out: -7.381+/-0.383 χ²/NDF:972.4/24
All: -7.883+/-0.276 χ²/NDF: 1496.4/45



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.881+/-0.457 χ^2/NDF:34.2/5

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.978+/-0.459 χ^2/NDF:26.8/4

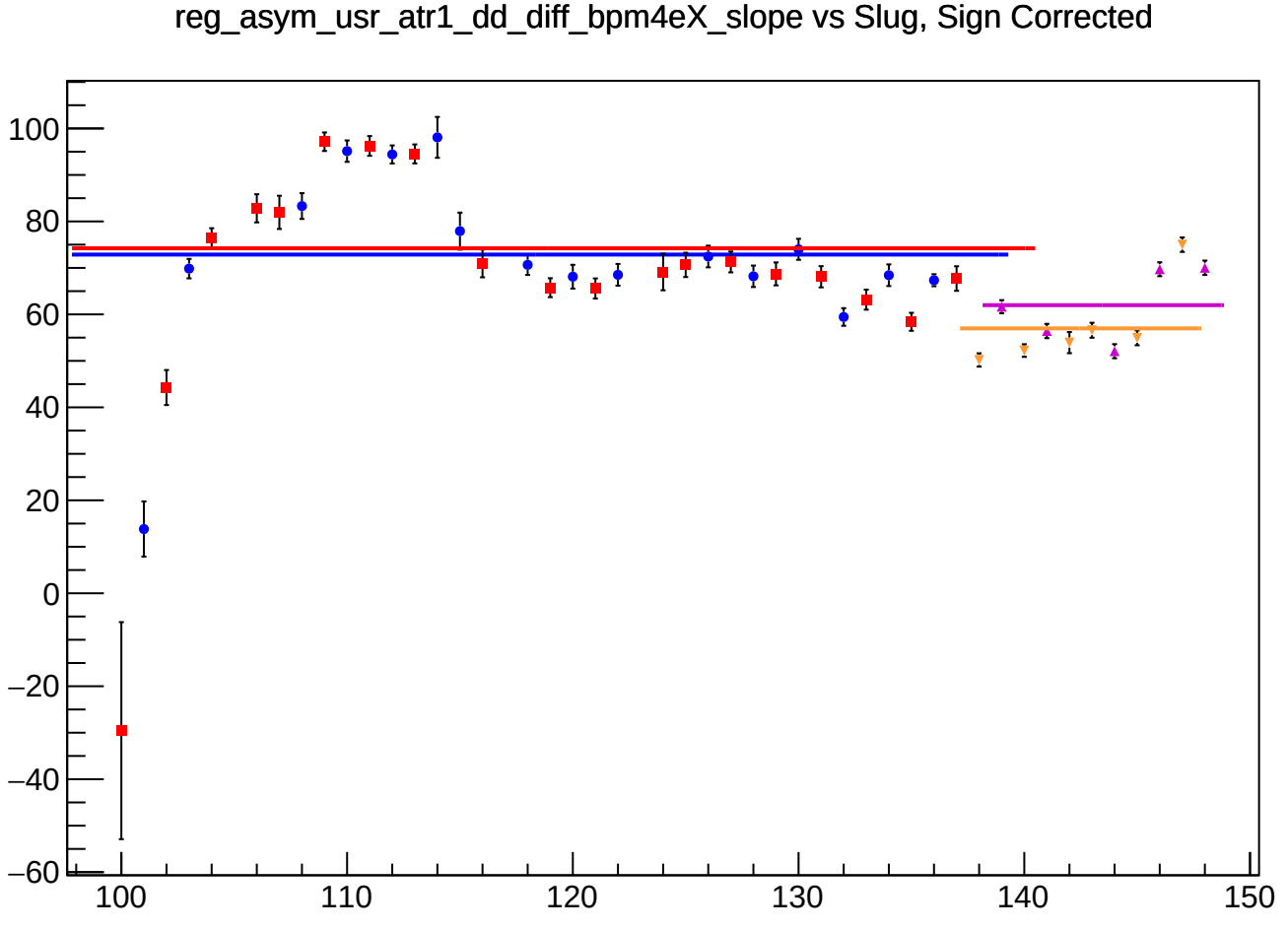
Left: -3.934+/-0.324 χ^2/NDF: 69.6/10

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.732+/-0.343 χ^2/NDF:212.0/20

Out: -4.895+/-0.341 χ^2/NDF:190.0/24

All: -4.317+/-0.242 χ^2/NDF: 407.8/45



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 56.989+/-0.645 χ^2/NDF:171.3/5

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 61.983+/-0.671 χ^2/NDF:109.3/4

Left: 59.387+/-0.465 χ^2/NDF: 309.4/10

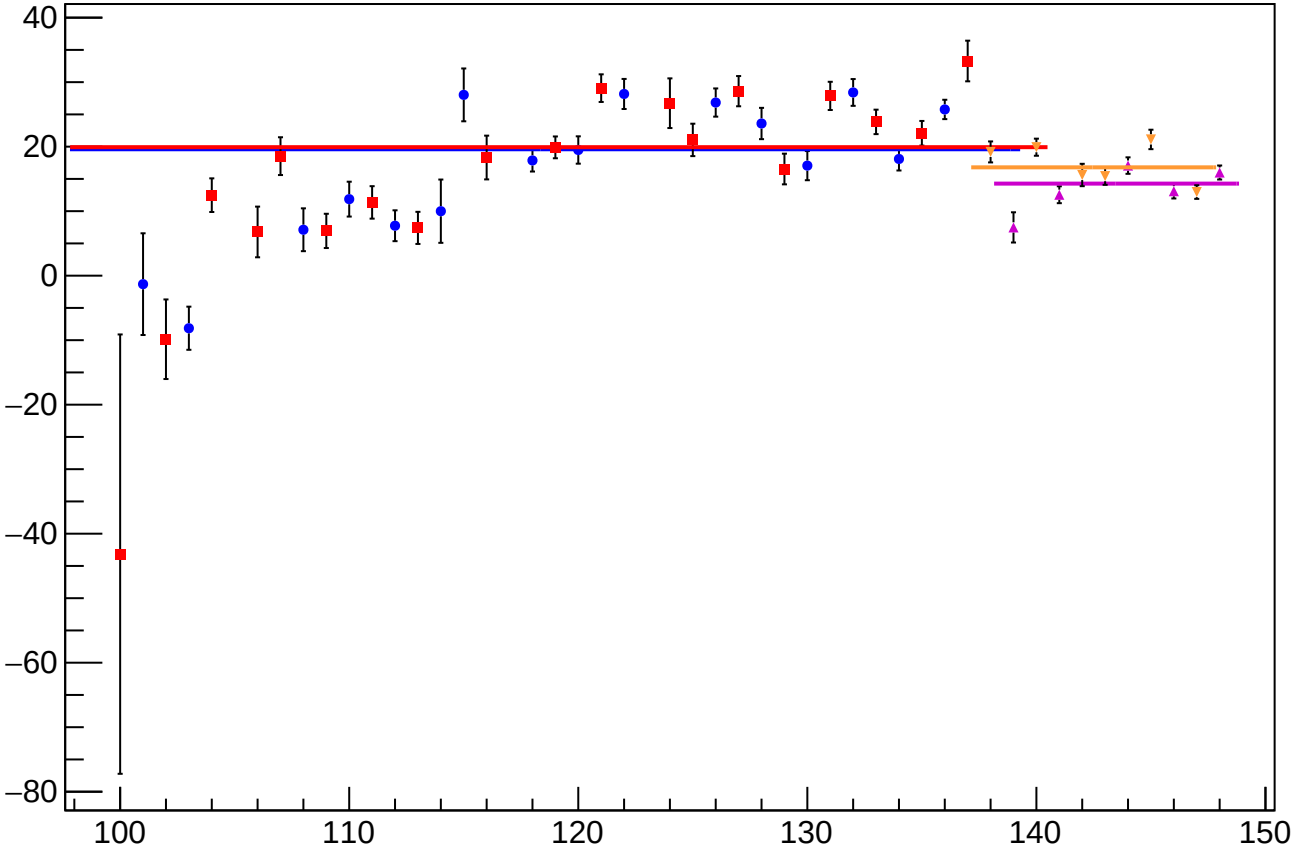
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.347+/-0.432 χ^2/NDF:713.8/20

Out: 66.777+/-0.424 χ^2/NDF:1163.0/24

All: 67.546+/-0.303 χ^2/NDF: 1883.5/45

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.793+/-0.562 χ^2/NDF:30.6/5

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 14.272+/-0.576 χ^2/NDF:18.5/4

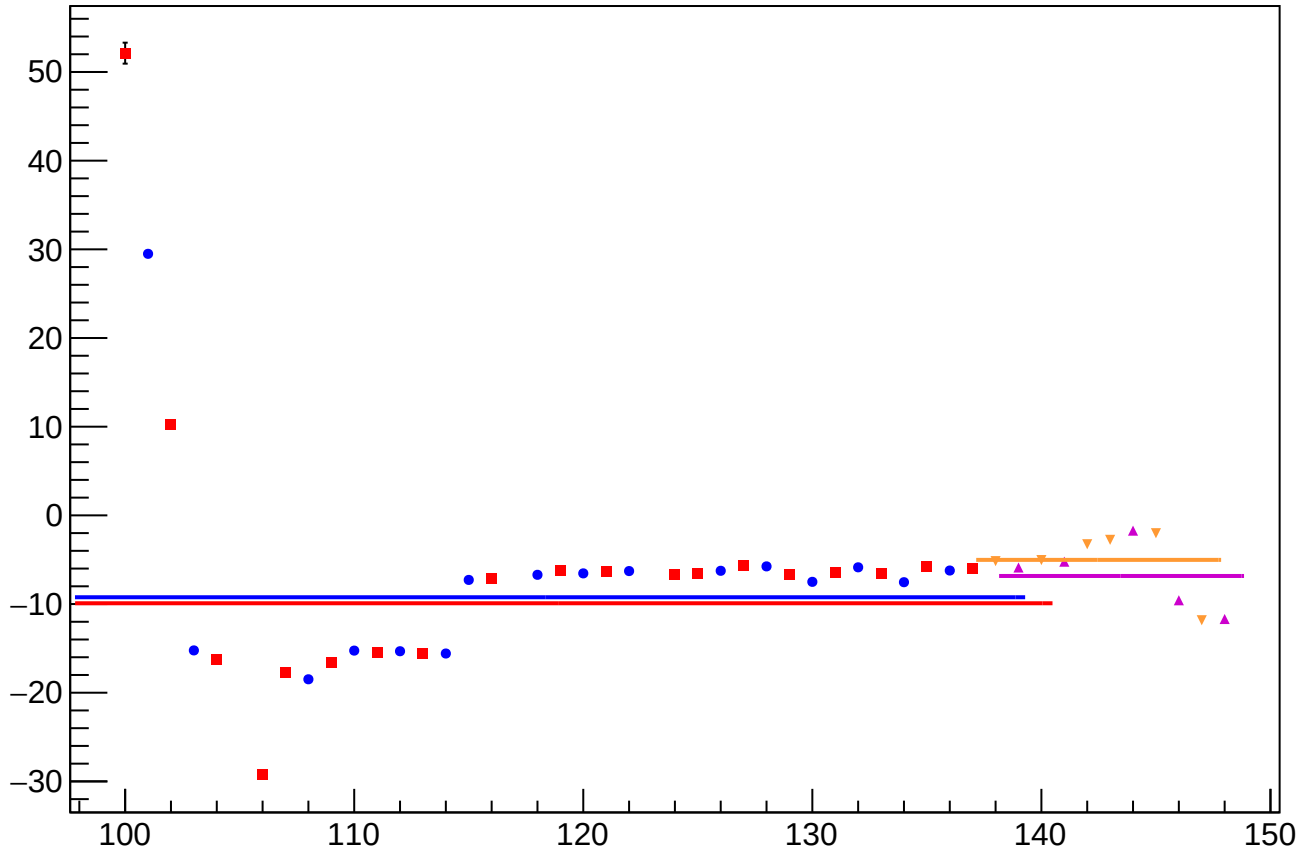
Left: 15.564+/-0.402 χ^2/NDF: 59.0/10

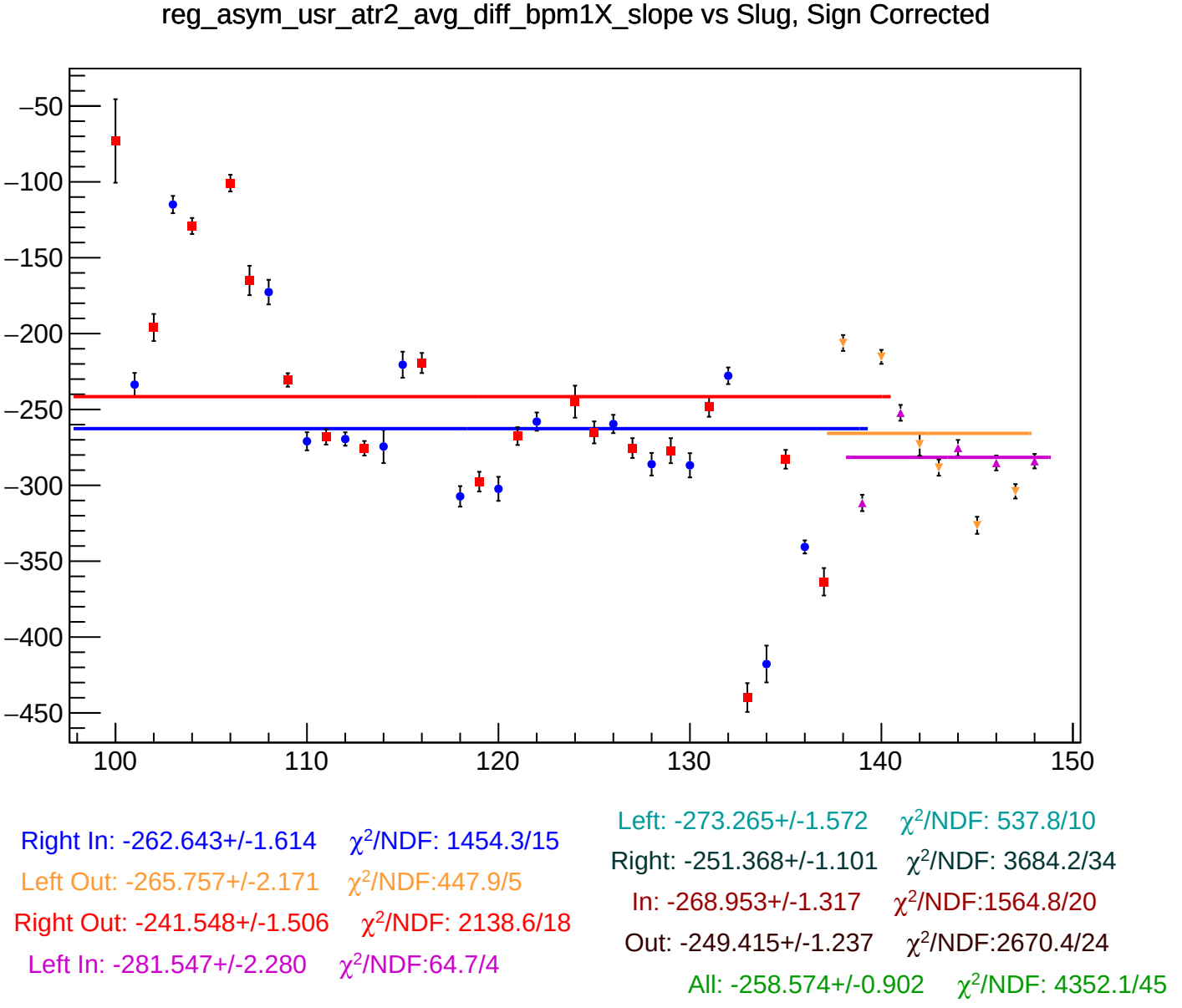
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

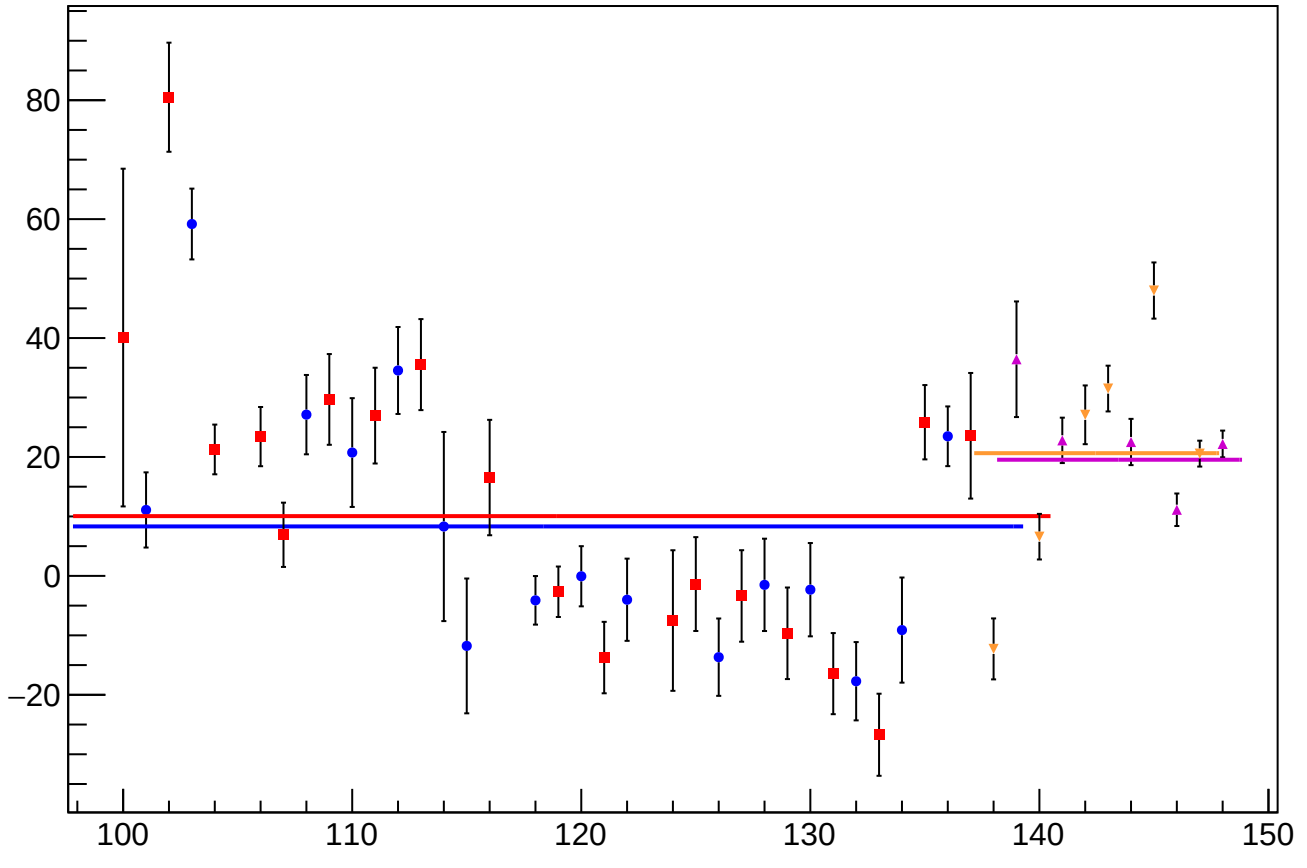
In: 16.893+/-0.411 χ^2/NDF:256.6/20

Out: 18.292+/-0.405 χ^2/NDF:226.8/24

All: 17.602+/-0.288 χ^2/NDF: 489.2/45


reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: -9.235+/-0.033 χ²/NDF: 31159.3/15
Left Out: -5.020+/-0.027 χ²/NDF:13460.9/5
Right Out: -9.913+/-0.034 χ²/NDF: 53863.3/18
Left In: -6.835+/-0.027 χ²/NDF:14513.8/4
Left: -5.919+/-0.019 χ²/NDF: 30238.3/10
Right: -9.558+/-0.024 χ²/NDF: 85225.4/34
In: -7.808+/-0.021 χ²/NDF:48847.9/20
Out: -6.871+/-0.021 χ²/NDF:79879.2/24
All: -7.345+/-0.015 χ²/NDF: 129718.6/45


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -265.757+/-2.171 χ²/NDF:447.9/5
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -281.547+/-2.280 χ²/NDF:64.7/4
Left: -273.265+/-1.572 χ²/NDF: 537.8/10
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -268.953+/-1.317 χ²/NDF:1564.8/20
Out: -249.415+/-1.237 χ²/NDF:2670.4/24
All: -258.574+/-0.902 χ²/NDF: 4352.1/45



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 20.638+/-1.458 χ^2/NDF:97.8/5

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 19.535+/-1.447 χ^2/NDF:15.2/4

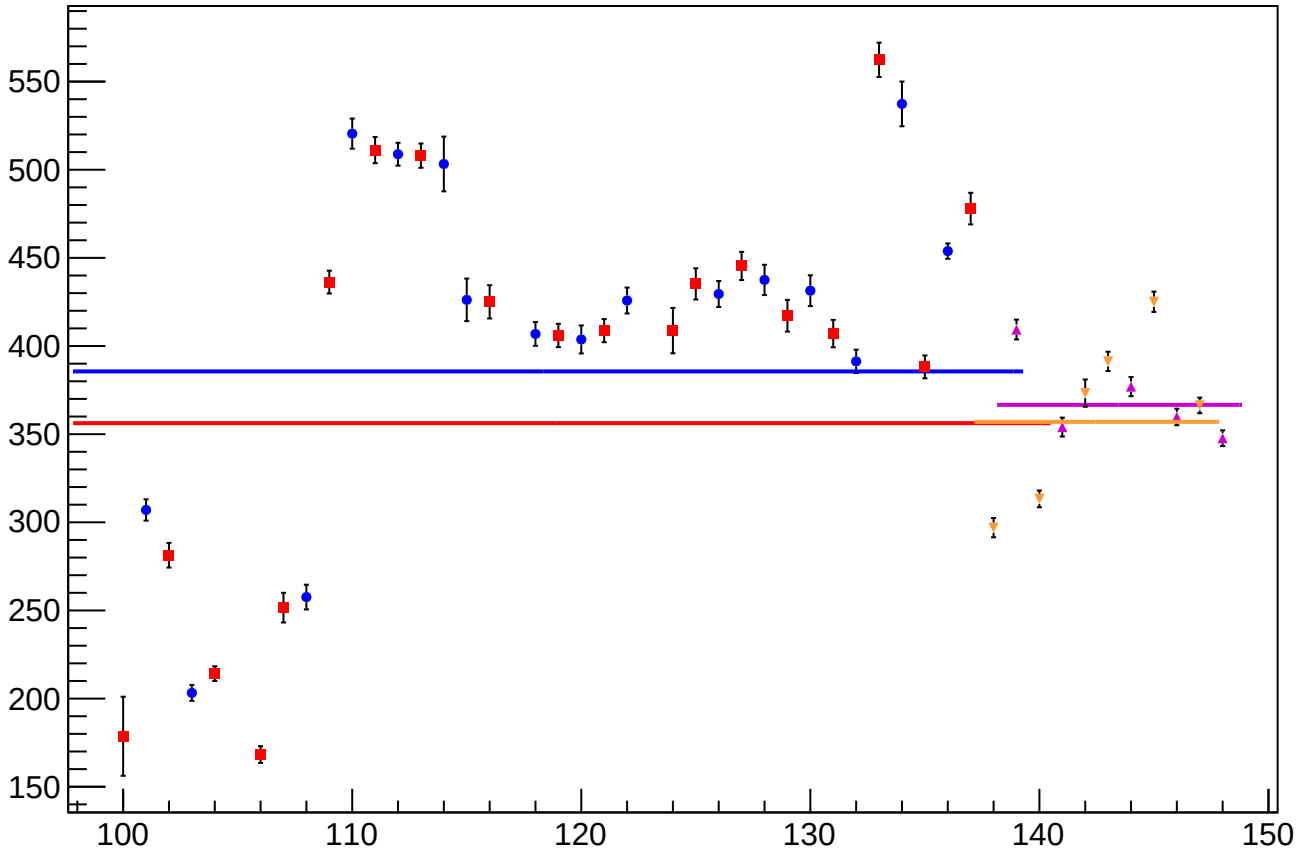
Left: 20.082+/-1.027 χ^2/NDF: 113.3/10

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 14.638+/-1.086 χ^2/NDF:199.1/20

Out: 15.628+/-1.059 χ^2/NDF:310.2/24

All: 15.146+/-0.758 χ^2/NDF: 509.7/45



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 356.987+/-2.187 χ^2/NDF:393.1/5

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 366.619+/-2.259 χ^2/NDF:86.9/4

Left: 361.647+/-1.571 χ^2/NDF: 489.3/10

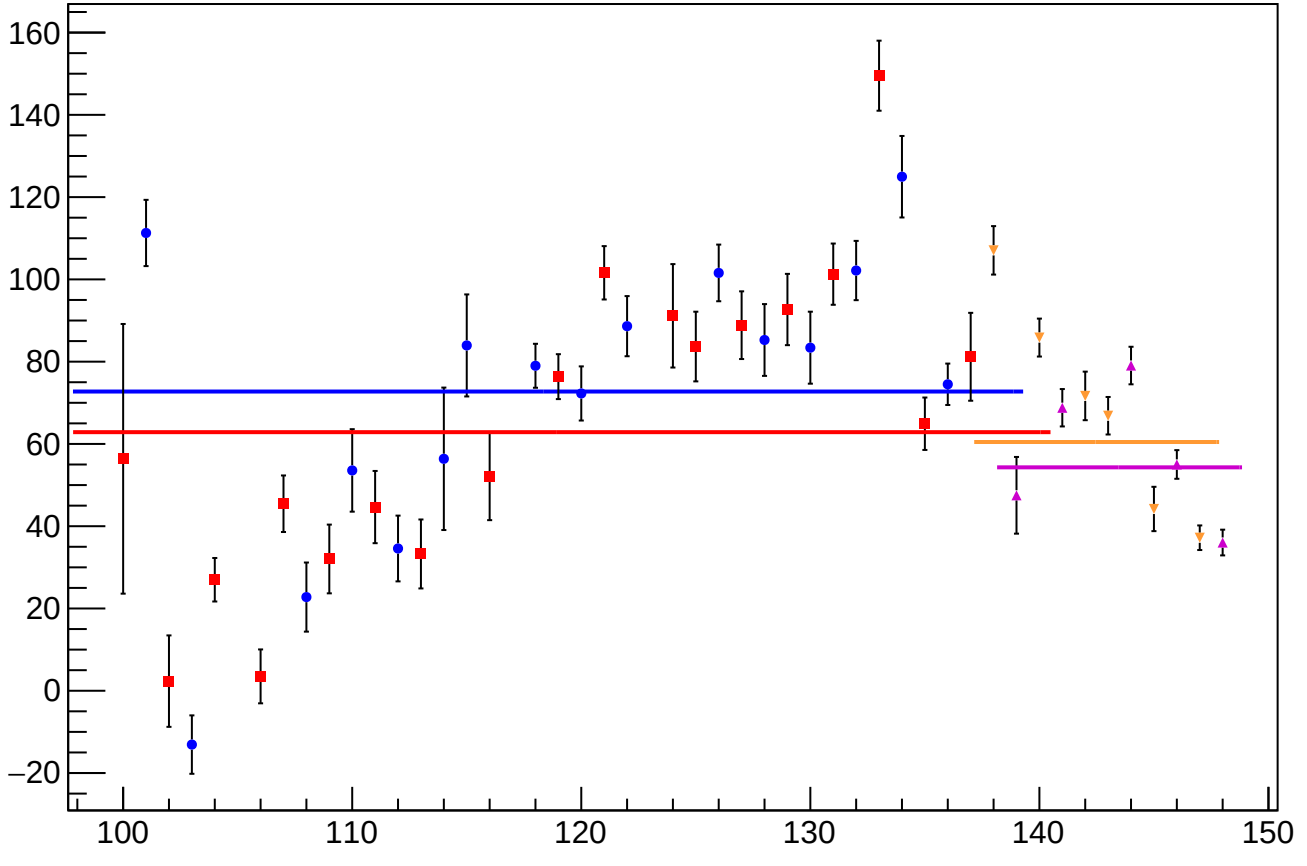
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 378.515+/-1.380 χ^2/NDF:3504.2/20

Out: 356.514+/-1.315 χ^2/NDF:5663.4/24

All: 366.990+/-0.952 χ^2/NDF: 9300.8/45

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 60.470+/-1.829 χ^2/NDF:168.1/5

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 54.309+/-1.849 χ^2/NDF:74.3/4

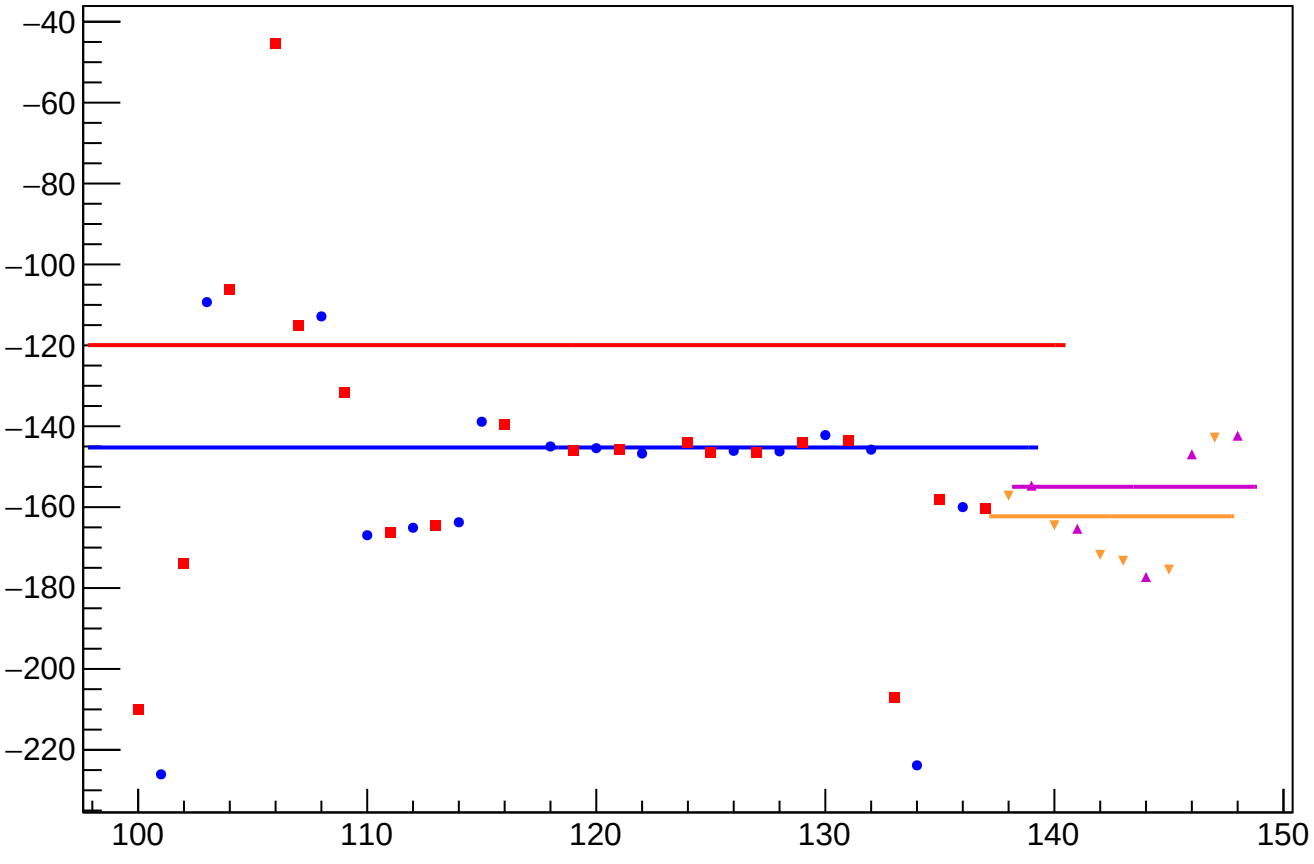
Left: 57.423+/-1.300 χ^2/NDF: 248.0/10

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 63.288+/-1.324 χ^2/NDF:427.0/20

Out: 61.689+/-1.281 χ^2/NDF:572.6/24

All: 62.462+/-0.921 χ^2/NDF: 1000.4/45



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -162.266+/-0.092 χ^2/NDF:16973.8/5

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -154.963+/-0.092 χ^2/NDF:17113.1/4

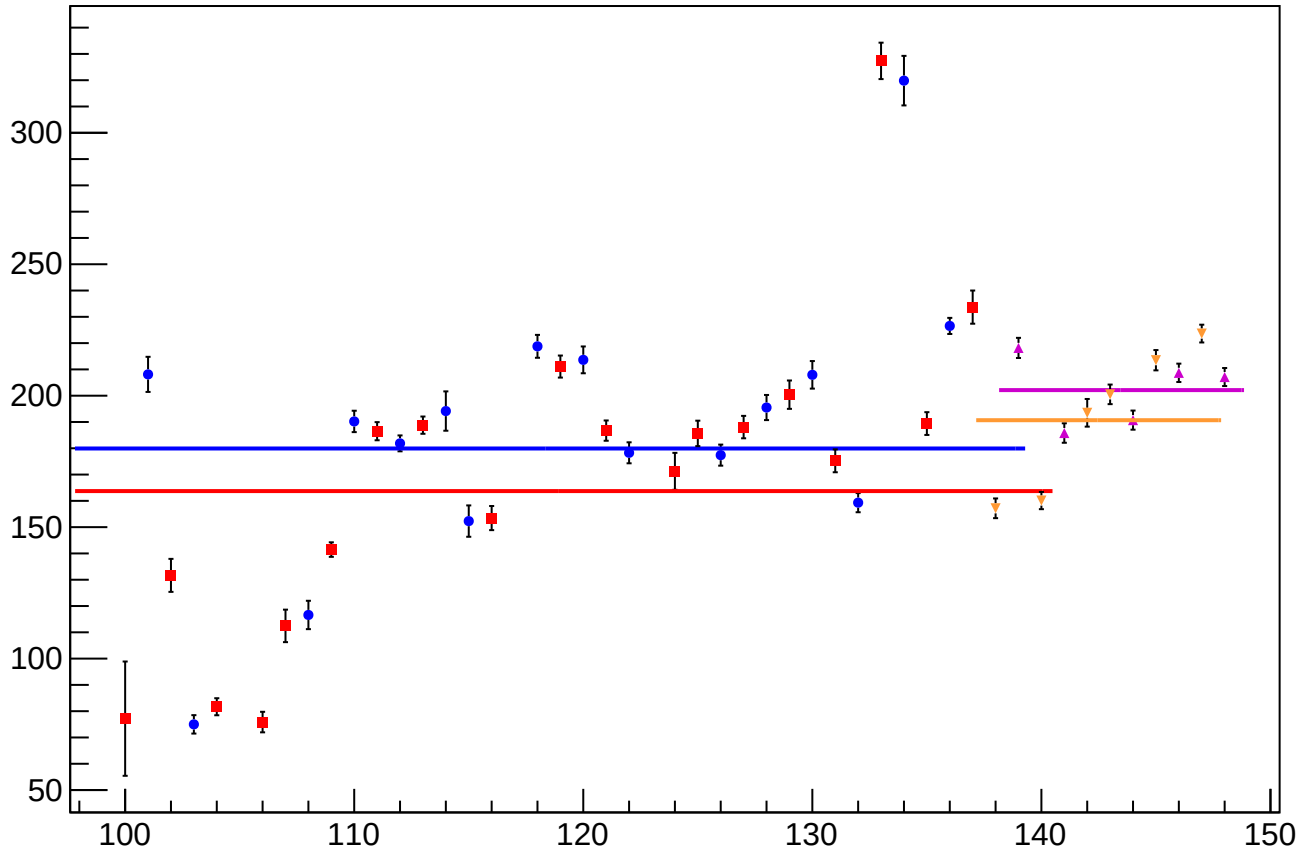
Left: -158.605+/-0.065 χ^2/NDF: 37213.6/10

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -150.416+/-0.067 χ^2/NDF:154365.5/20

Out: -140.291+/-0.064 χ^2/NDF:396090.9/24

All: -145.110+/-0.046 χ^2/NDF: 562328.2/45



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 190.677+/-1.530 χ^2/NDF:304.1/5

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 202.128+/-1.614 χ^2/NDF:52.5/4

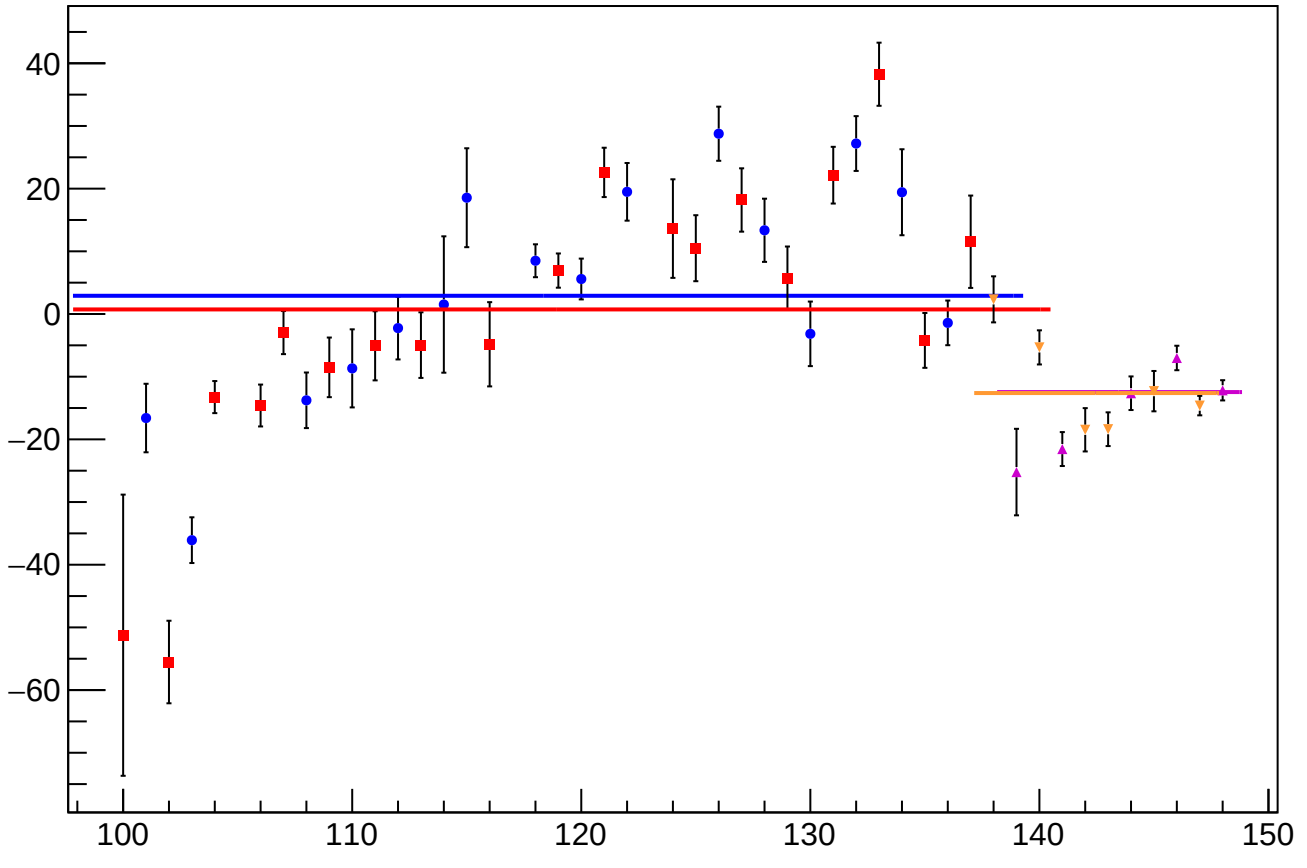
Left: 196.096+/-1.110 χ^2/NDF: 383.1/10

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 186.861+/-0.903 χ^2/NDF:1915.3/20

Out: 171.796+/-0.838 χ^2/NDF:2938.3/24

All: 178.766+/-0.614 χ^2/NDF: 5003.3/45



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -12.611+/-1.030 χ^2/NDF:32.9/5

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -12.455+/-1.030 χ^2/NDF:22.5/4

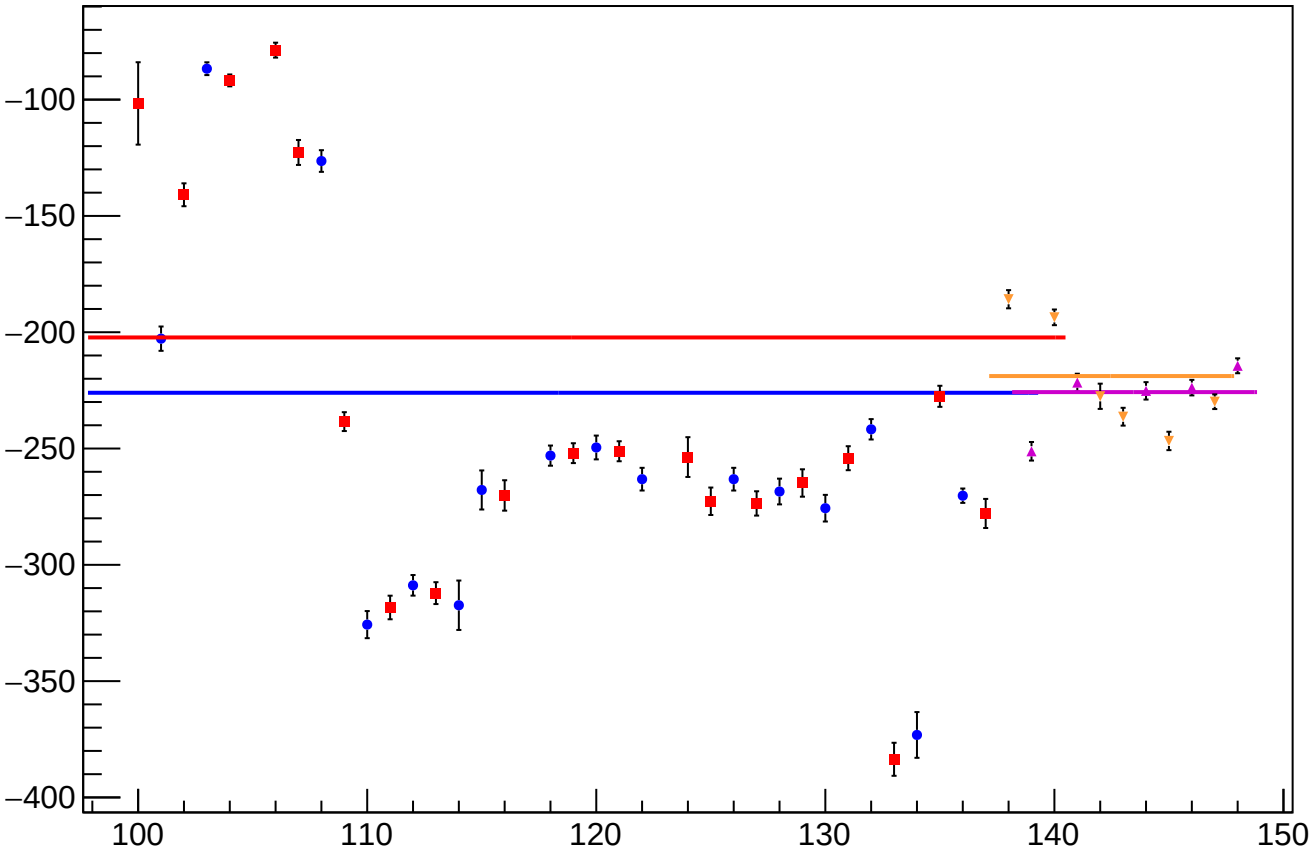
Left: -12.533+/-0.728 χ^2/NDF: 55.4/10

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -5.312+/-0.753 χ^2/NDF:373.5/20

Out: -5.823+/-0.722 χ^2/NDF:391.8/24

All: -5.578+/-0.521 χ^2/NDF: 765.5/45



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.842+/-1.543 χ^2/NDF:212.8/5

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -225.745+/-1.601 χ^2/NDF:54.6/4

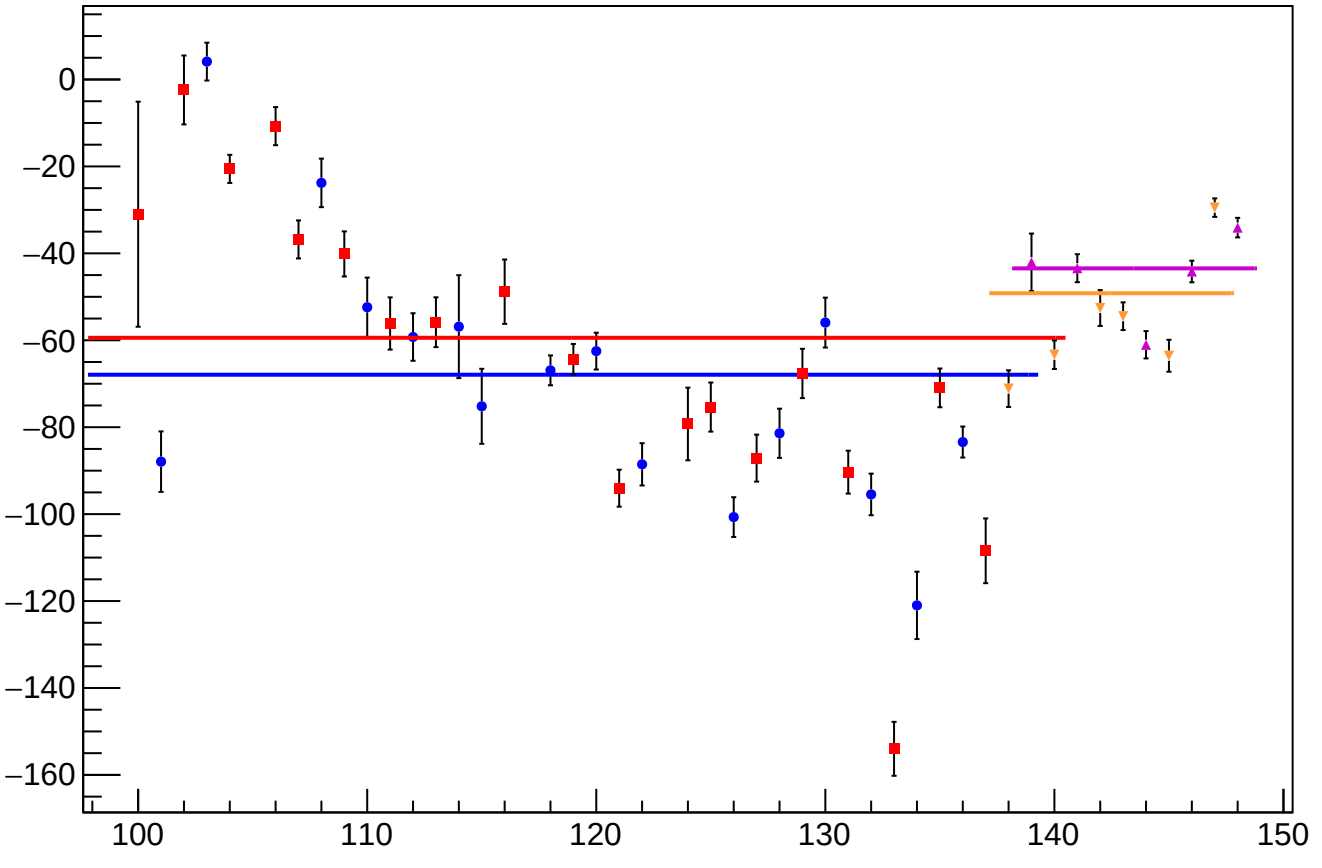
Left: -222.165+/-1.111 χ^2/NDF: 277.0/10

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -225.929+/-0.947 χ^2/NDF:4593.6/20

Out: -207.753+/-0.889 χ^2/NDF:6980.9/24

All: -216.261+/-0.648 χ^2/NDF: 11770.4/45



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -49.174+/-1.290 χ^2/NDF:150.0/5

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -43.458+/-1.313 χ^2/NDF:48.8/4

Left: -46.367+/-0.920 χ^2/NDF: 208.4/10

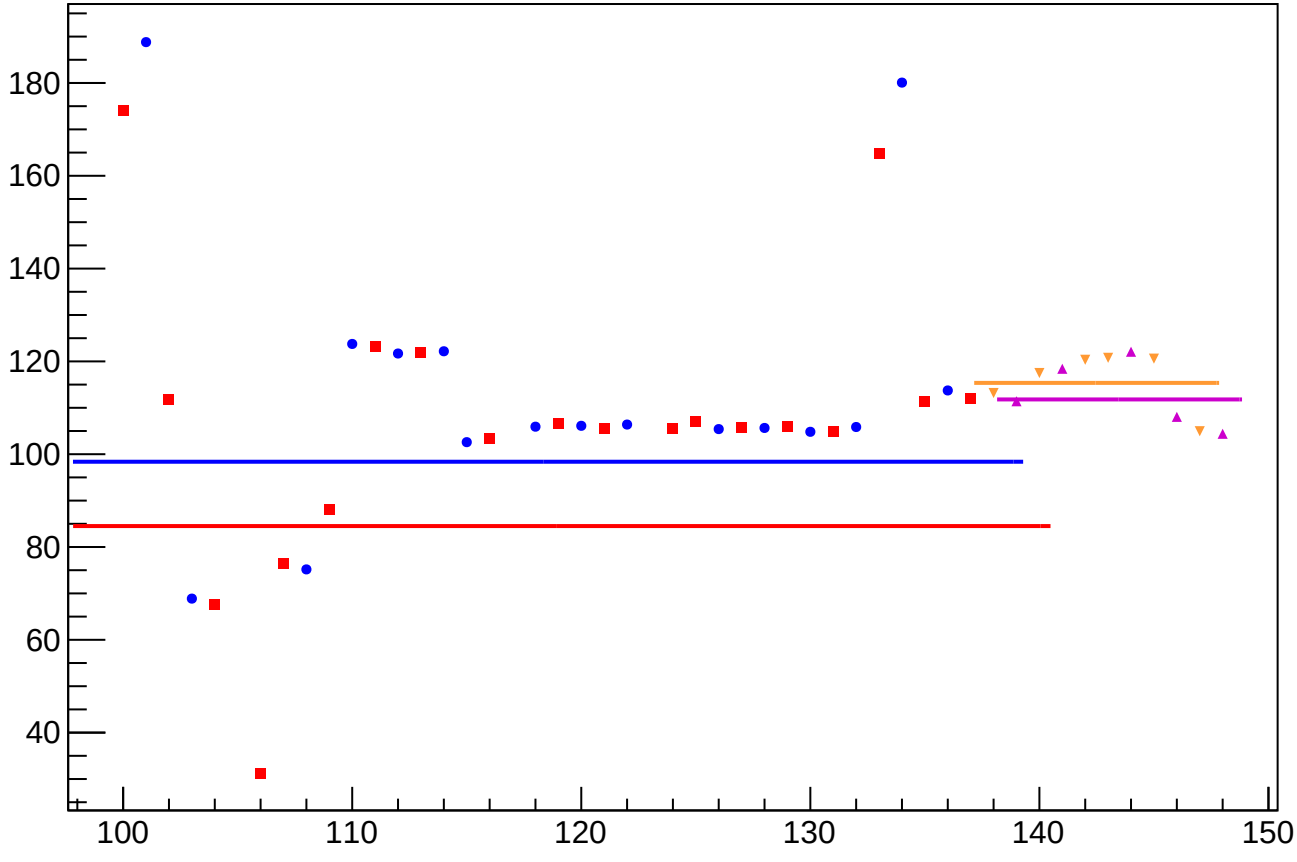
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -56.021+/-0.916 χ^2/NDF:761.2/20

Out: -54.739+/-0.872 χ^2/NDF:979.1/24

All: -55.349+/-0.632 χ^2/NDF: 1741.3/45

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 115.370+/-0.065 χ^2/NDF:8677.9/5

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 111.802+/-0.065 χ^2/NDF:9508.4/4

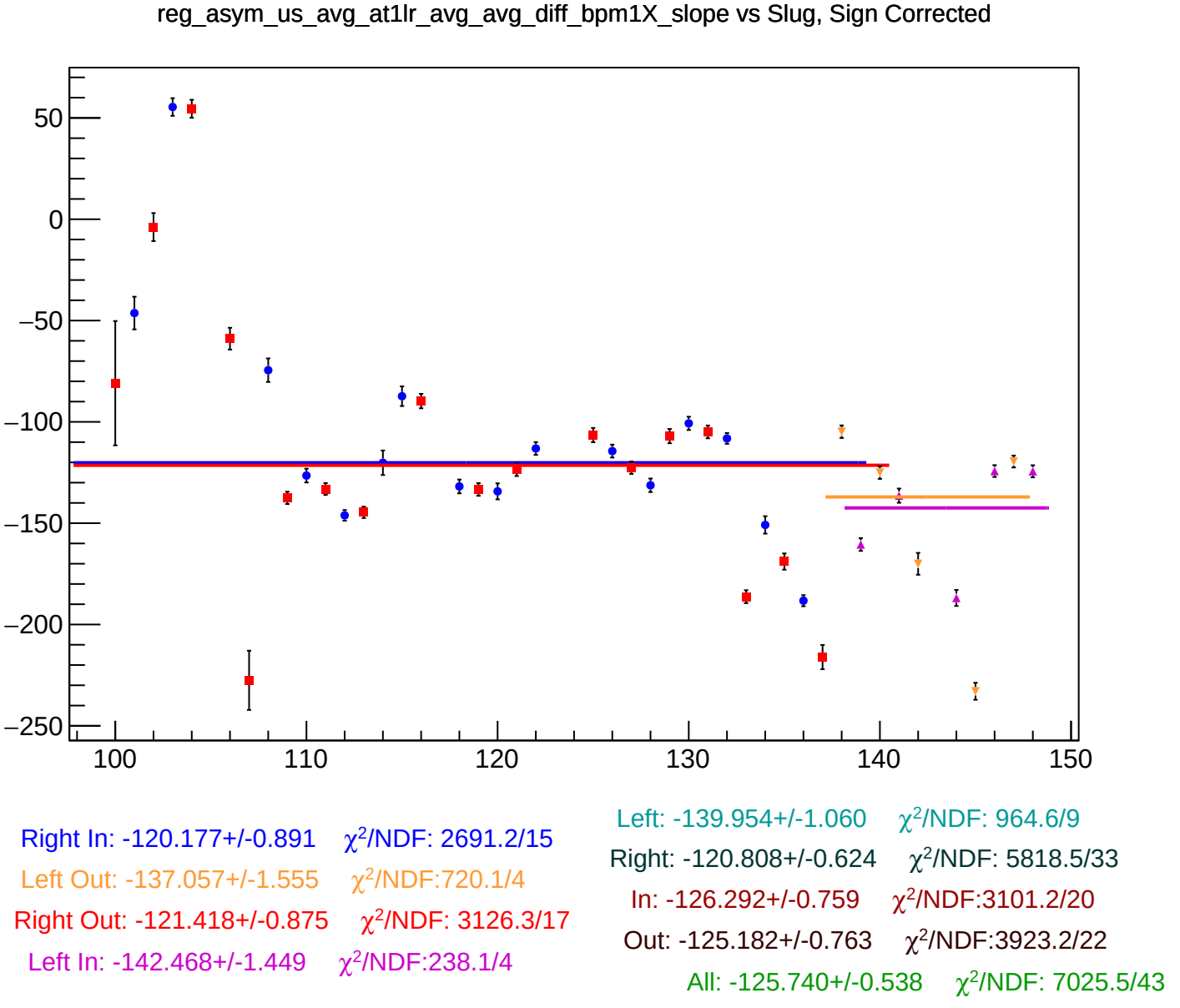
Left: 113.593+/-0.046 χ^2/NDF: 19679.0/10

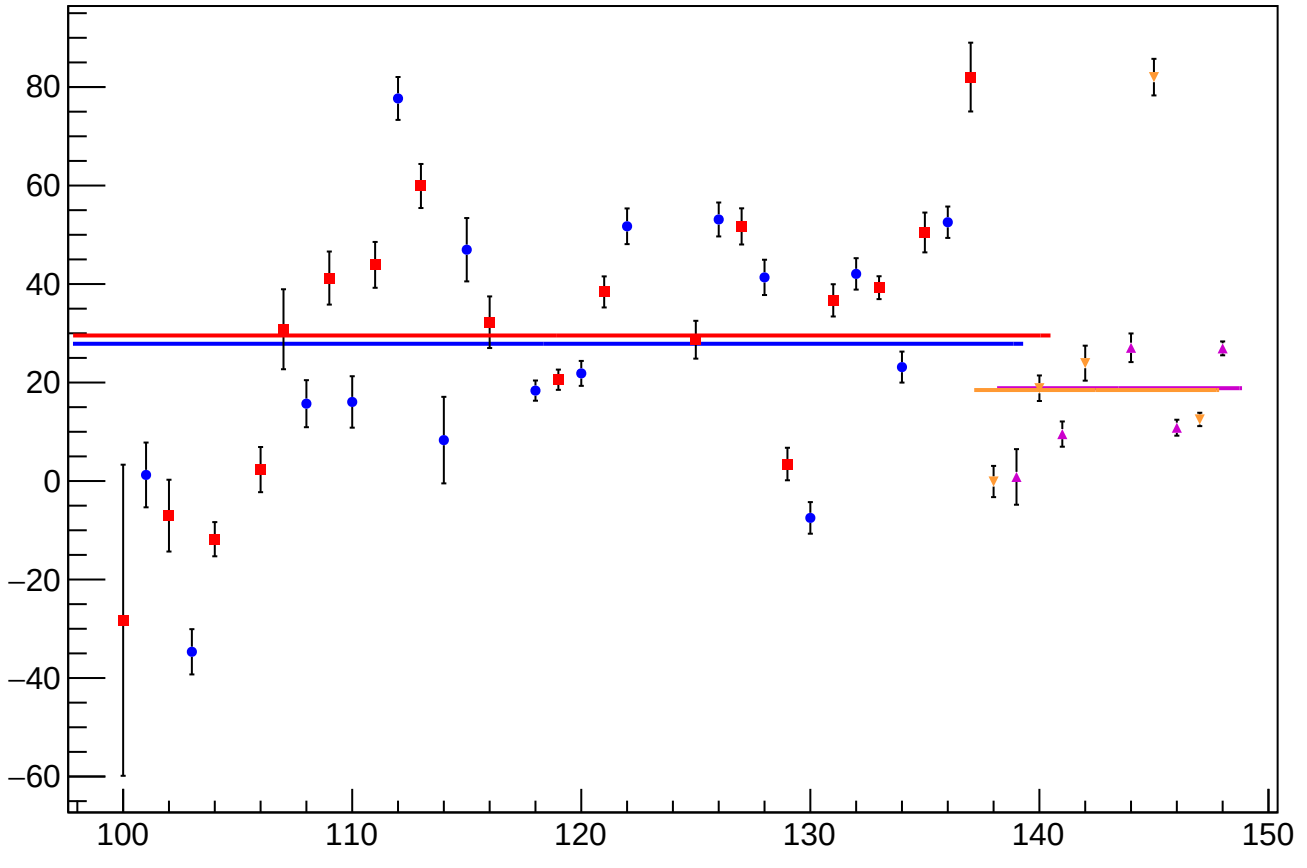
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.153+/-0.046 χ^2/NDF:258787.2/20

Out: 98.831+/-0.044 χ^2/NDF:397788.7/24

All: 101.847+/-0.032 χ^2/NDF: 666253.8/45


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -137.057+/-1.555 χ²/NDF:720.1/4
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -142.468+/-1.449 χ²/NDF:238.1/4
Left: -139.954+/-1.060 χ²/NDF: 964.6/9
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -126.292+/-0.759 χ²/NDF:3101.2/20
Out: -125.182+/-0.763 χ²/NDF:3923.2/22
All: -125.740+/-0.538 χ²/NDF: 7025.5/43



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 18.477+/-1.030 χ^2/NDF:348.7/4

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 18.852+/-0.918 χ^2/NDF:88.8/4

Left: 18.686+/-0.685 χ^2/NDF: 437.6/9

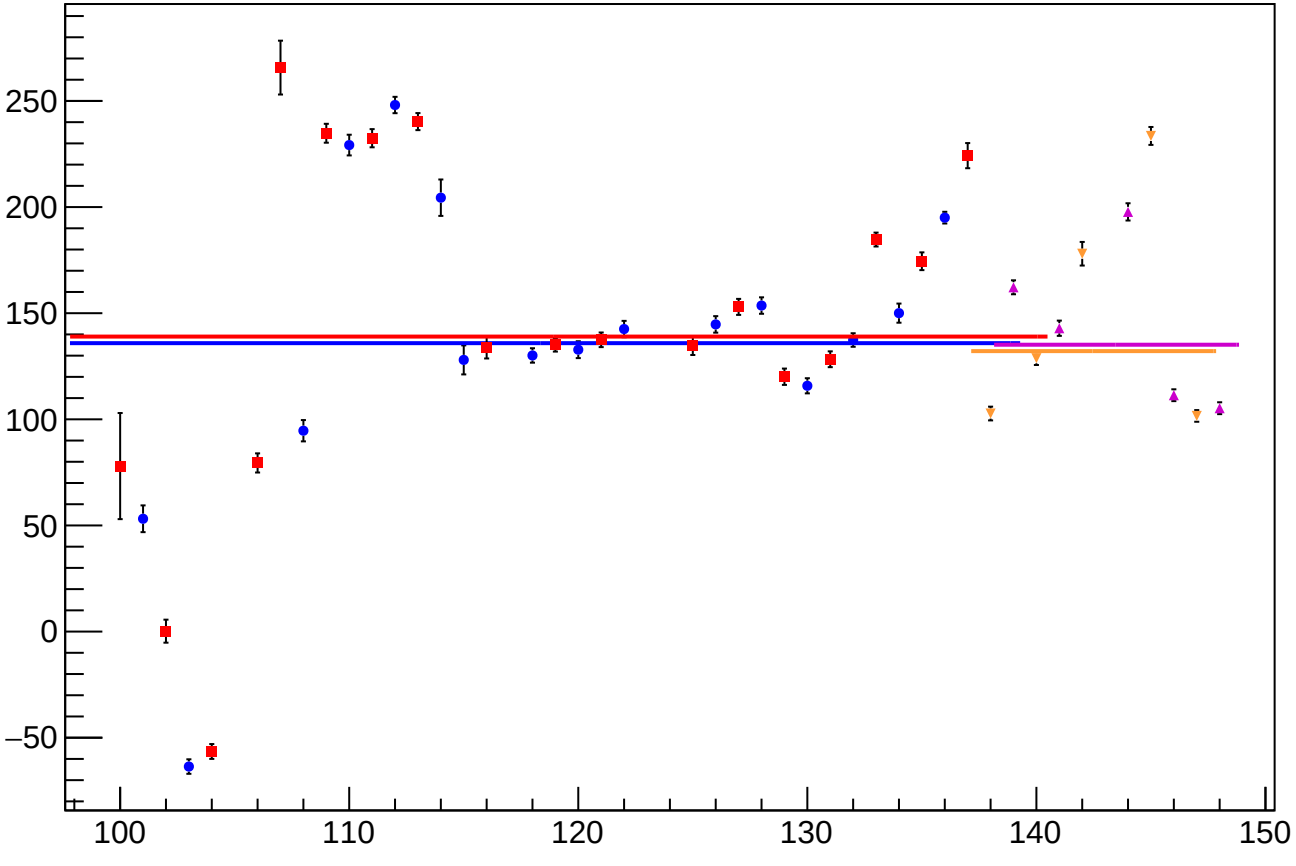
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 23.511+/-0.638 χ^2/NDF:838.3/20

Out: 24.818+/-0.673 χ^2/NDF:912.4/22

All: 24.130+/-0.463 χ^2/NDF: 1752.7/43

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: 132.134+/-1.554 χ^2/NDF:852.2/4

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 135.146+/-1.432 χ^2/NDF:497.0/4

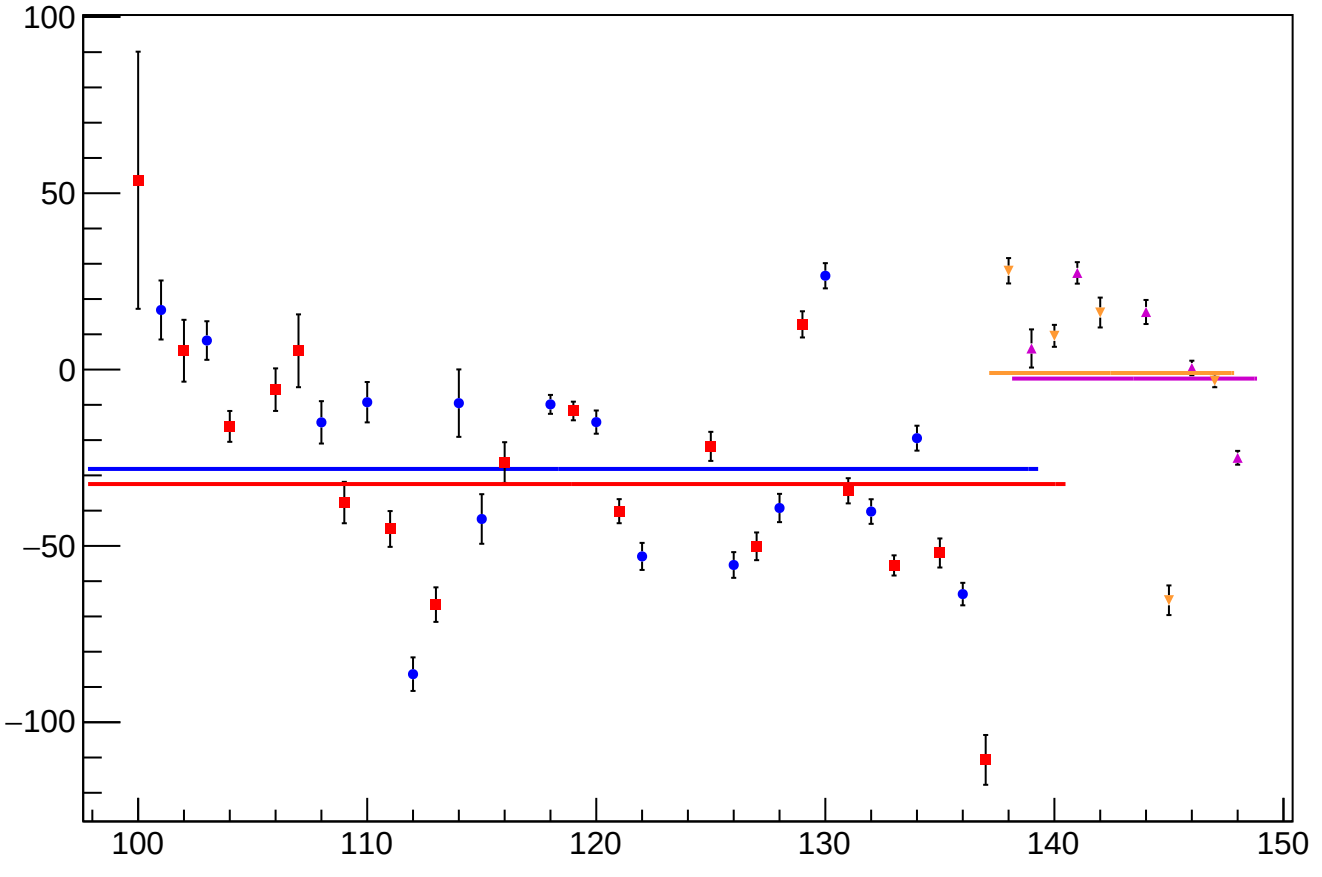
Left: 133.763+/-1.053 χ^2/NDF: 1351.2/9

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 135.642+/-0.819 χ^2/NDF:5960.8/20

Out: 136.984+/-0.840 χ^2/NDF:7022.4/22

All: 136.296+/-0.586 χ^2/NDF: 12984.5/43



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -0.968+/-1.311 χ^2/NDF:329.2/4

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.557+/-1.177 χ^2/NDF:263.1/4

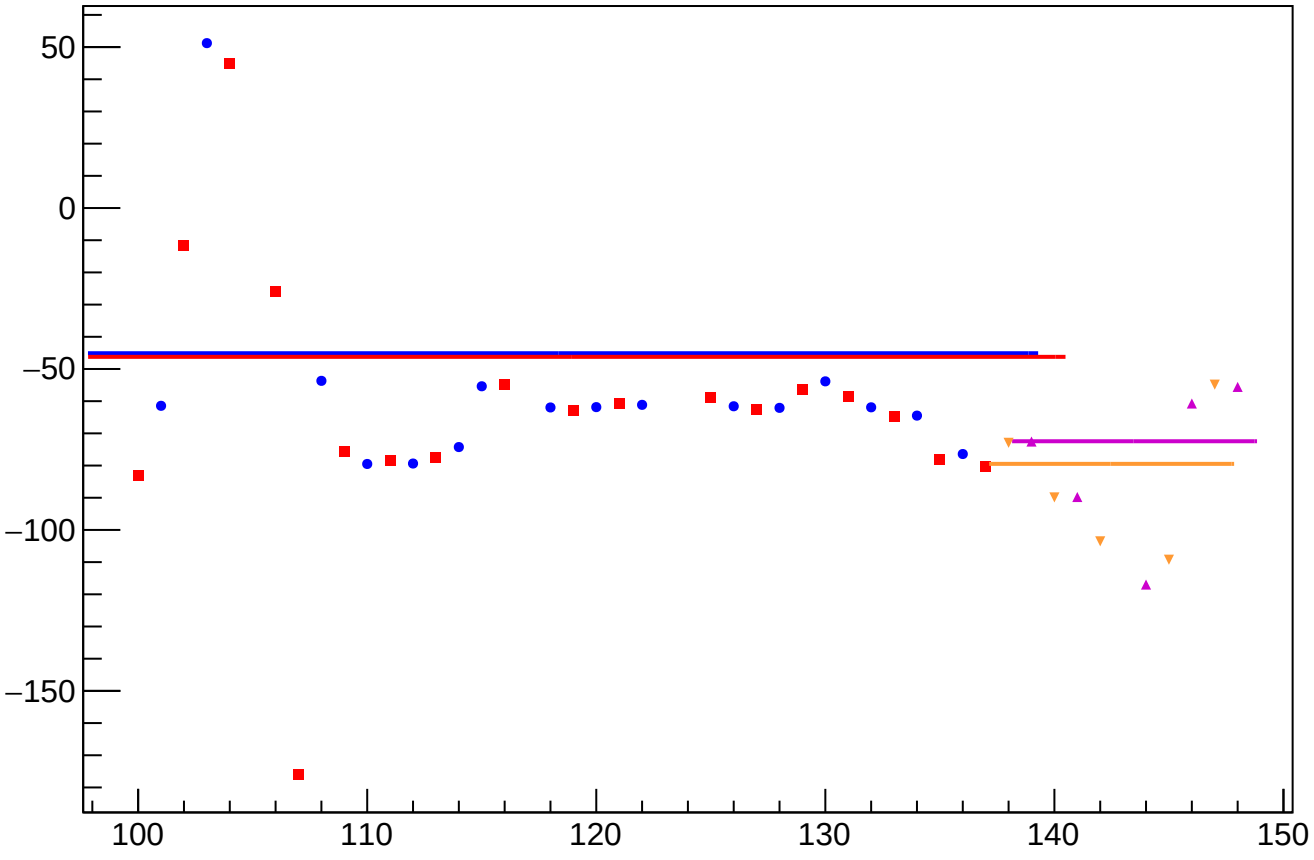
Left: -1.848+/-0.876 χ^2/NDF: 593.1/9

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -17.161+/-0.772 χ^2/NDF:1324.4/20

Out: -20.472+/-0.809 χ^2/NDF:1267.7/22

All: -18.739+/-0.558 χ^2/NDF: 2600.8/43



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -79.475+/-0.066 χ^2/NDF:91781.1/4

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -72.450+/-0.058 χ^2/NDF:105182.1/4

Left: -75.527+/-0.043 χ^2/NDF: 203404.1/9

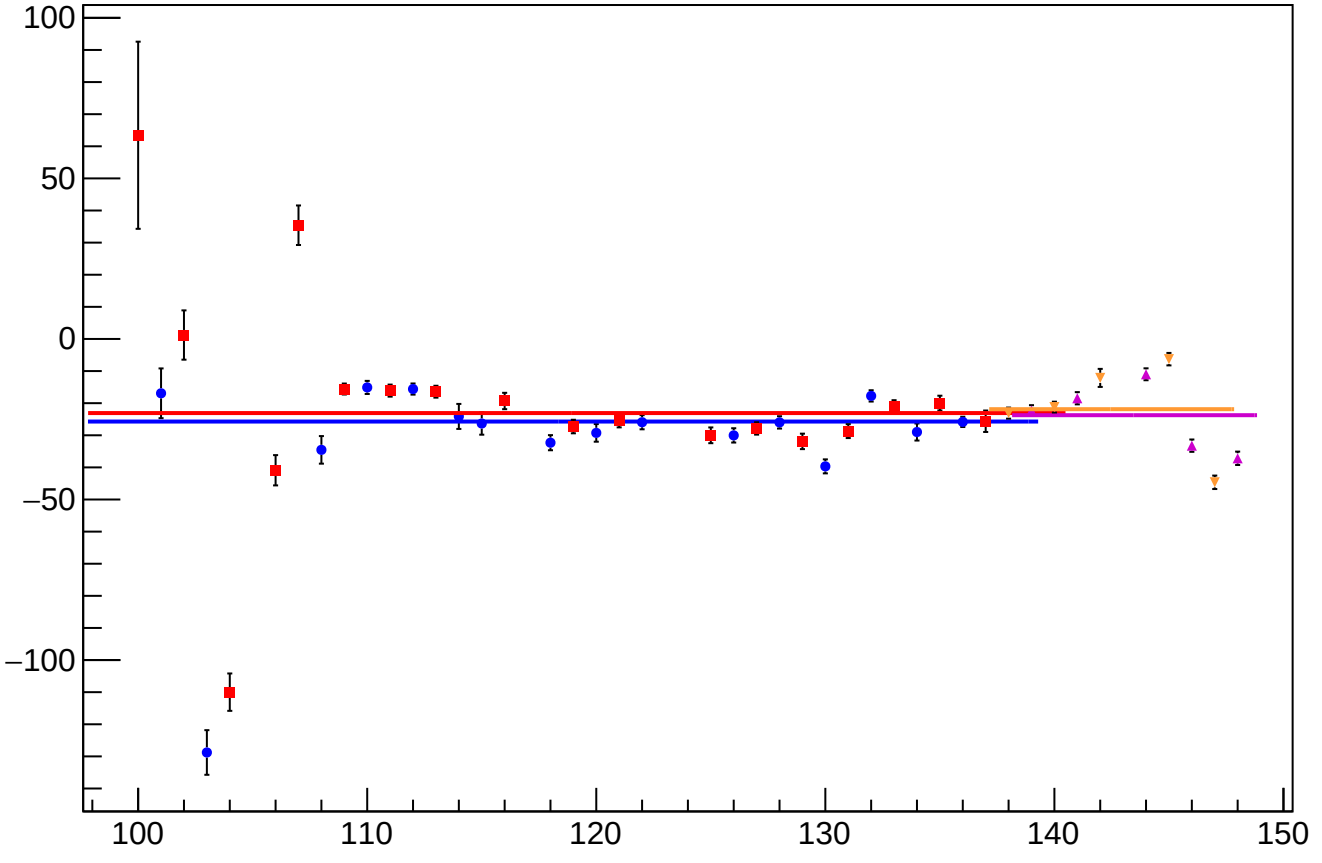
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -59.290+/-0.042 χ^2/NDF:787623.2/20

Out: -62.066+/-0.045 χ^2/NDF:719809.8/22

All: -60.564+/-0.031 χ^2/NDF: 1509465.2/43

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: -21.872+/-0.874 χ^2/NDF:195.3/4

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -23.743+/-0.838 χ^2/NDF:121.3/4

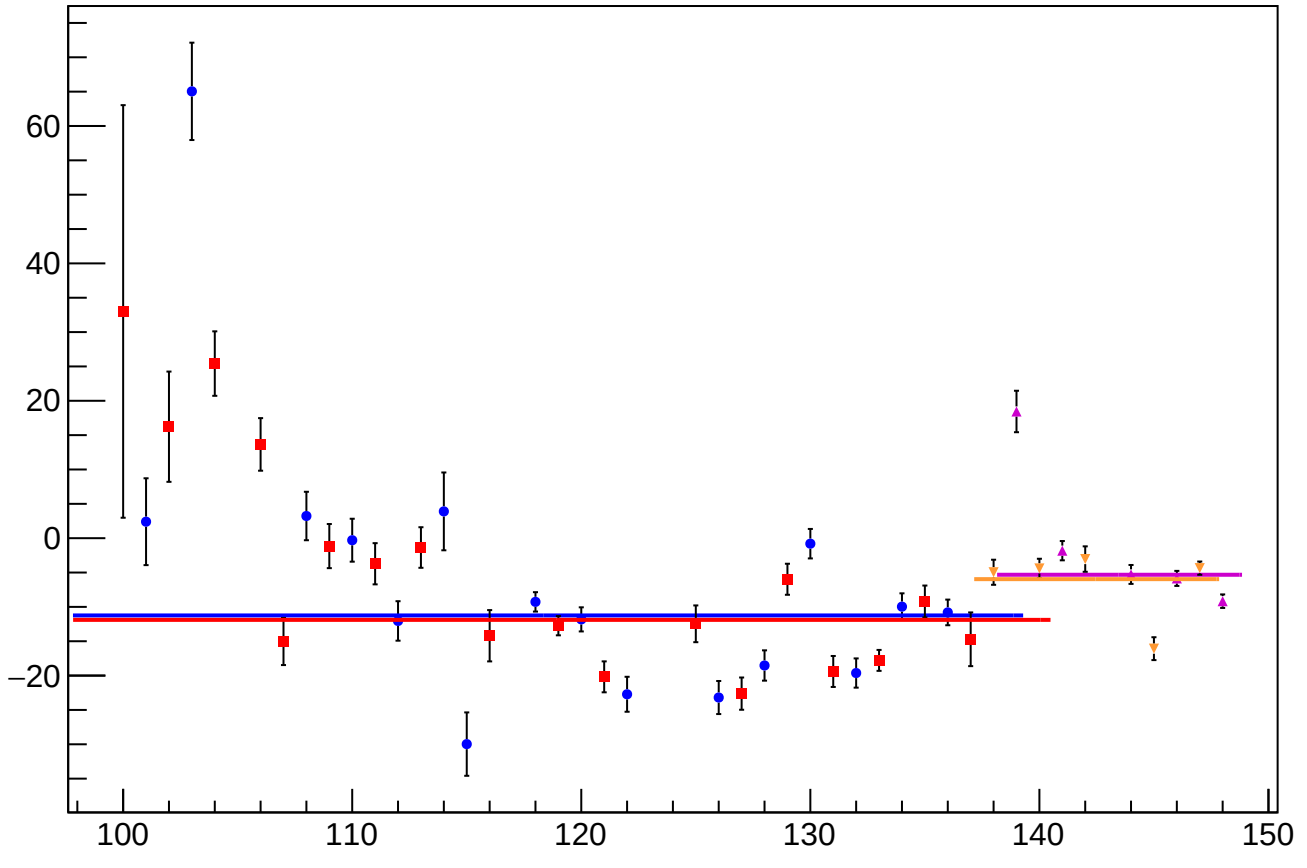
Left: -22.847+/-0.605 χ^2/NDF: 319.0/9

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -25.065+/-0.483 χ^2/NDF:488.0/20

Out: -22.709+/-0.484 χ^2/NDF:633.7/22

All: -23.892+/-0.342 χ^2/NDF: 1133.6/43



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.962+/-0.629 χ^2/NDF:43.7/4

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.324+/-0.576 χ^2/NDF:83.7/4

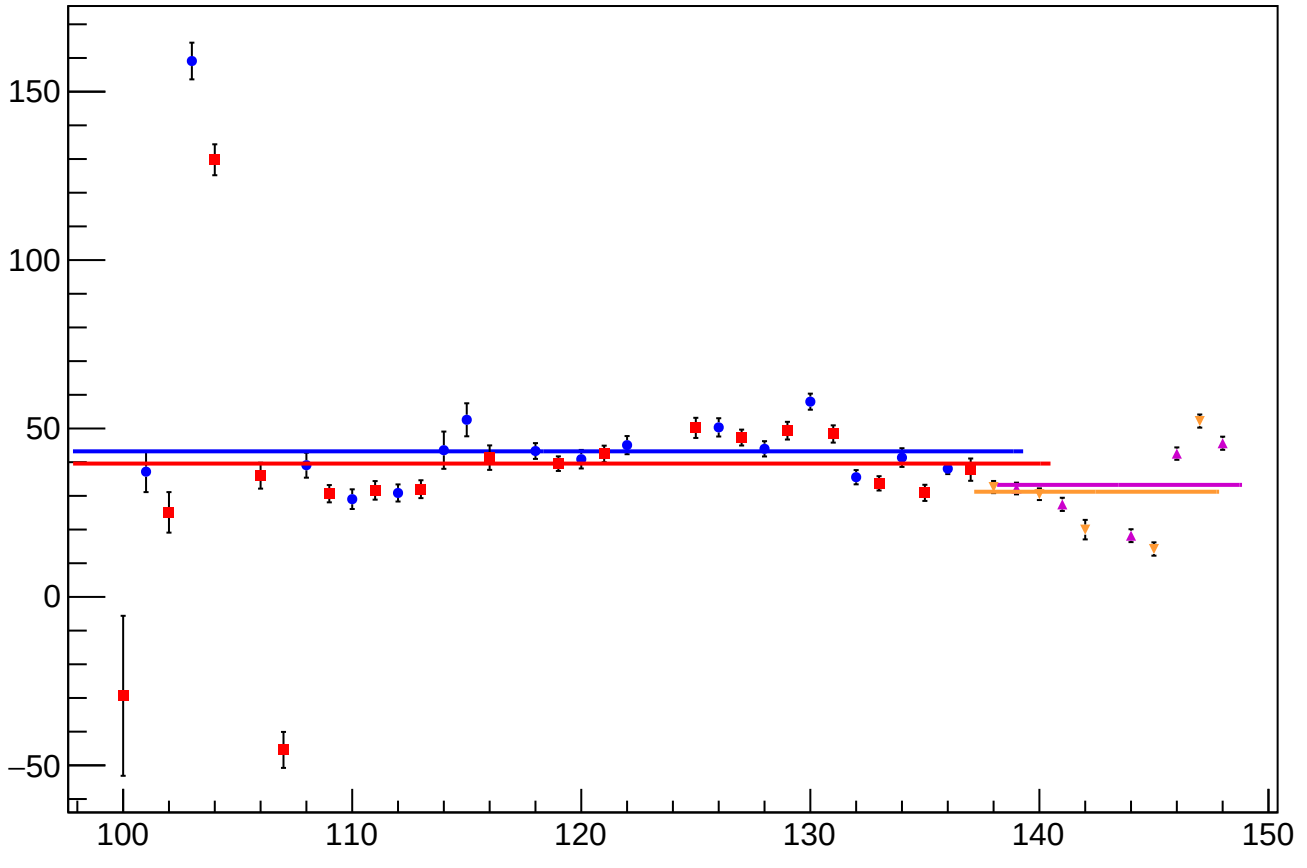
Left: -5.615+/-0.425 χ^2/NDF: 128.0/9

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.166+/-0.416 χ^2/NDF:405.5/20

Out: -9.030+/-0.437 χ^2/NDF:314.2/22

All: -8.577+/-0.301 χ^2/NDF: 721.8/43



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 31.229+/-0.885 χ^2/NDF:205.0/4

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 33.262+/-0.839 χ^2/NDF:136.8/4

Left: 32.300+/-0.609 χ^2/NDF: 344.5/9

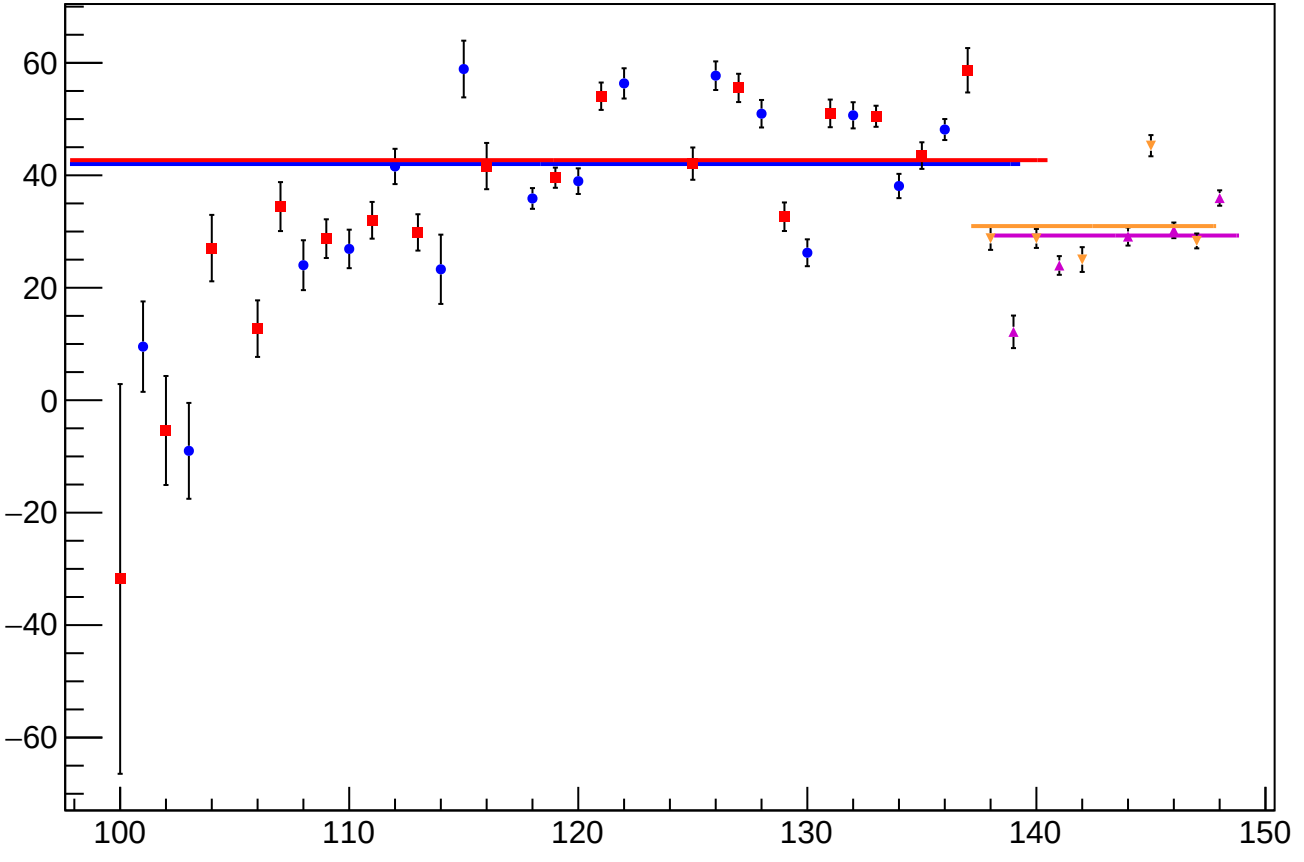
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 39.285+/-0.527 χ^2/NDF:798.0/20

Out: 36.457+/-0.542 χ^2/NDF:1014.8/22

All: 37.909+/-0.378 χ^2/NDF: 1826.8/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.969+/-0.779 χ^2/NDF:71.7/4

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 29.291+/-0.722 χ^2/NDF:69.4/4

Left: 30.066+/-0.530 χ^2/NDF: 143.6/9

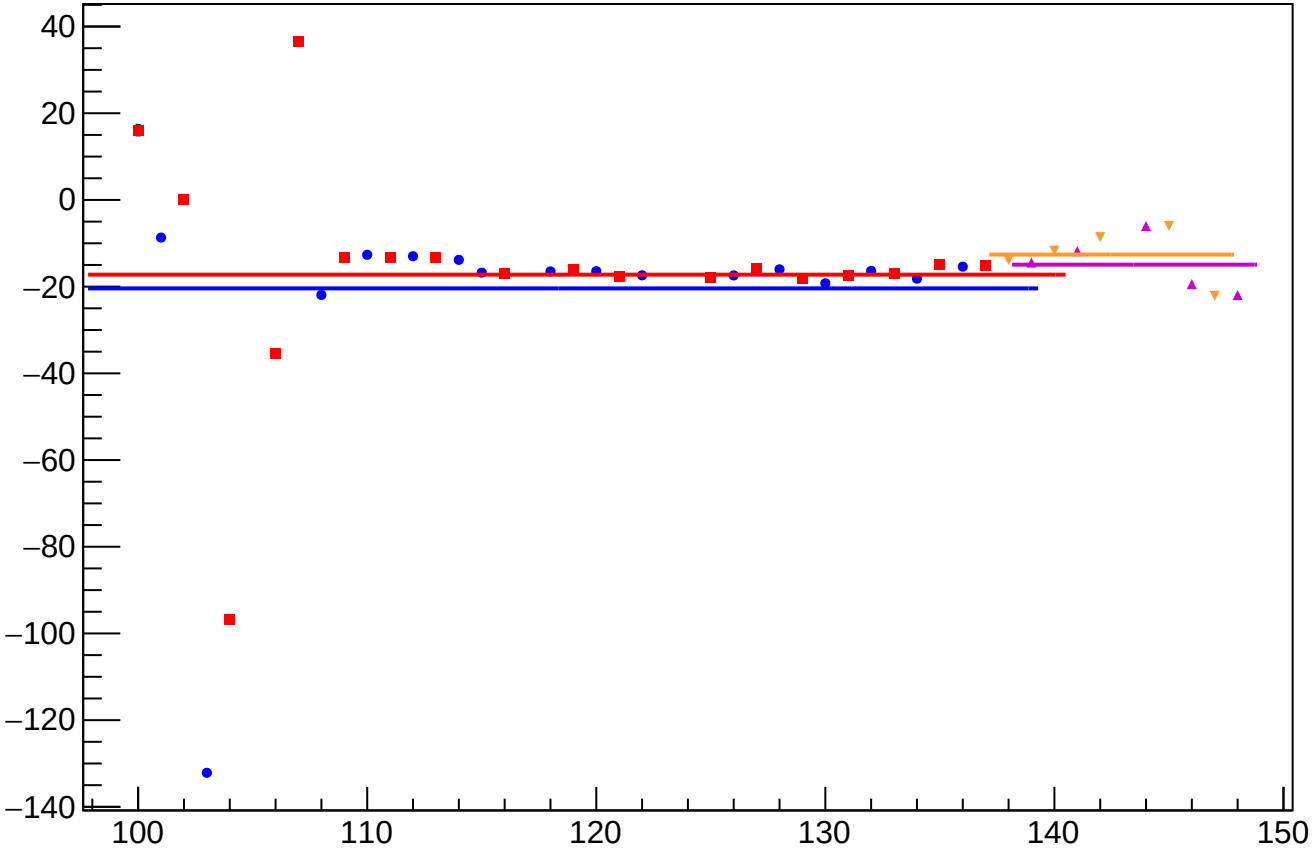
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.995+/-0.496 χ^2/NDF:505.6/20

Out: 37.499+/-0.518 χ^2/NDF:428.2/22

All: 36.715+/-0.359 χ^2/NDF: 938.3/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -12.606+/-0.037 χ^2/NDF:20851.5/4

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -14.928+/-0.034 χ^2/NDF:23627.7/4

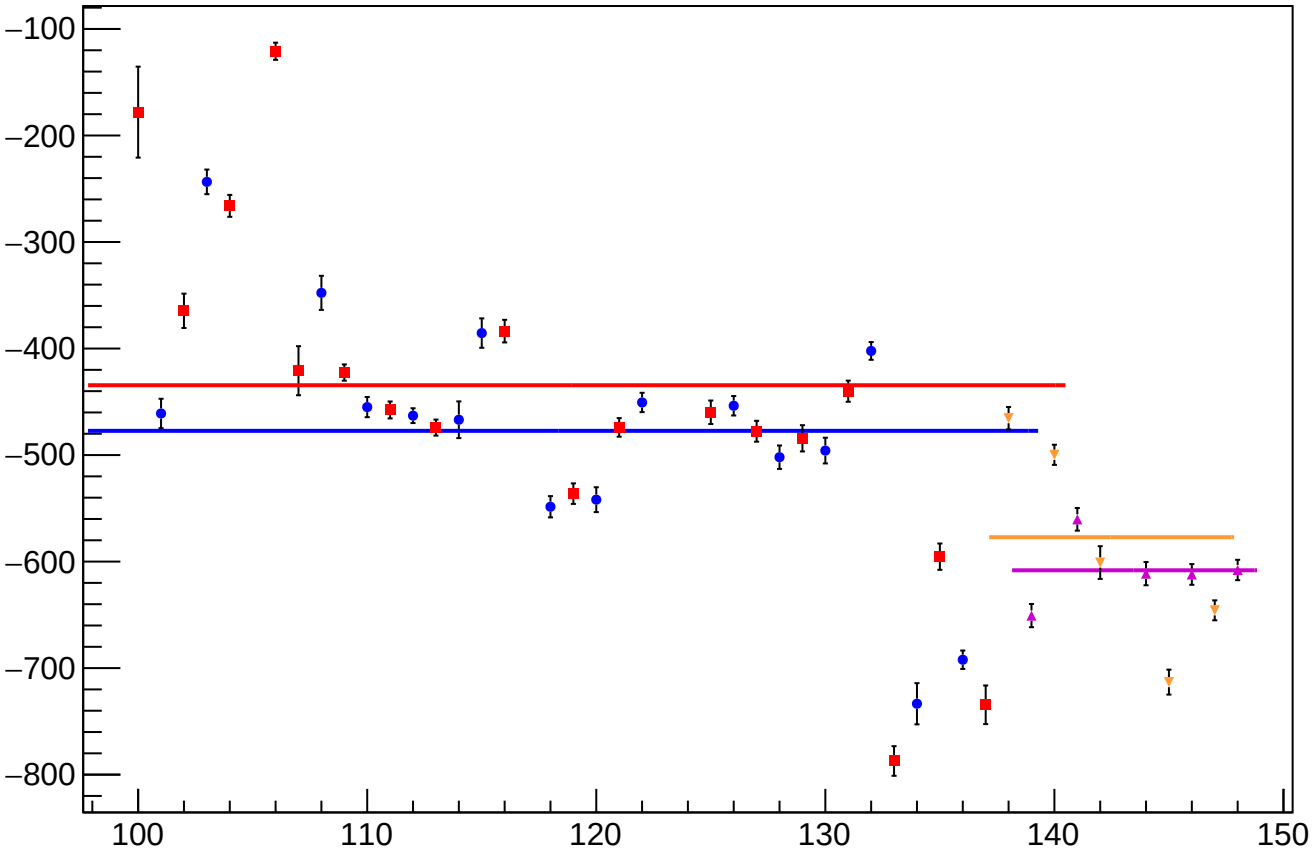
Left: -13.864+/-0.025 χ^2/NDF: 46634.6/9

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -17.091+/-0.026 χ^2/NDF:279572.3/20

Out: -14.509+/-0.028 χ^2/NDF:232004.8/22

All: -15.891+/-0.019 χ^2/NDF: 516046.0/43



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -577.118+/-4.814 χ^2/NDF:370.8/4

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -608.172+/-4.605 χ^2/NDF:35.7/4

Left: -593.332+/-3.328 χ^2/NDF: 428.2/9

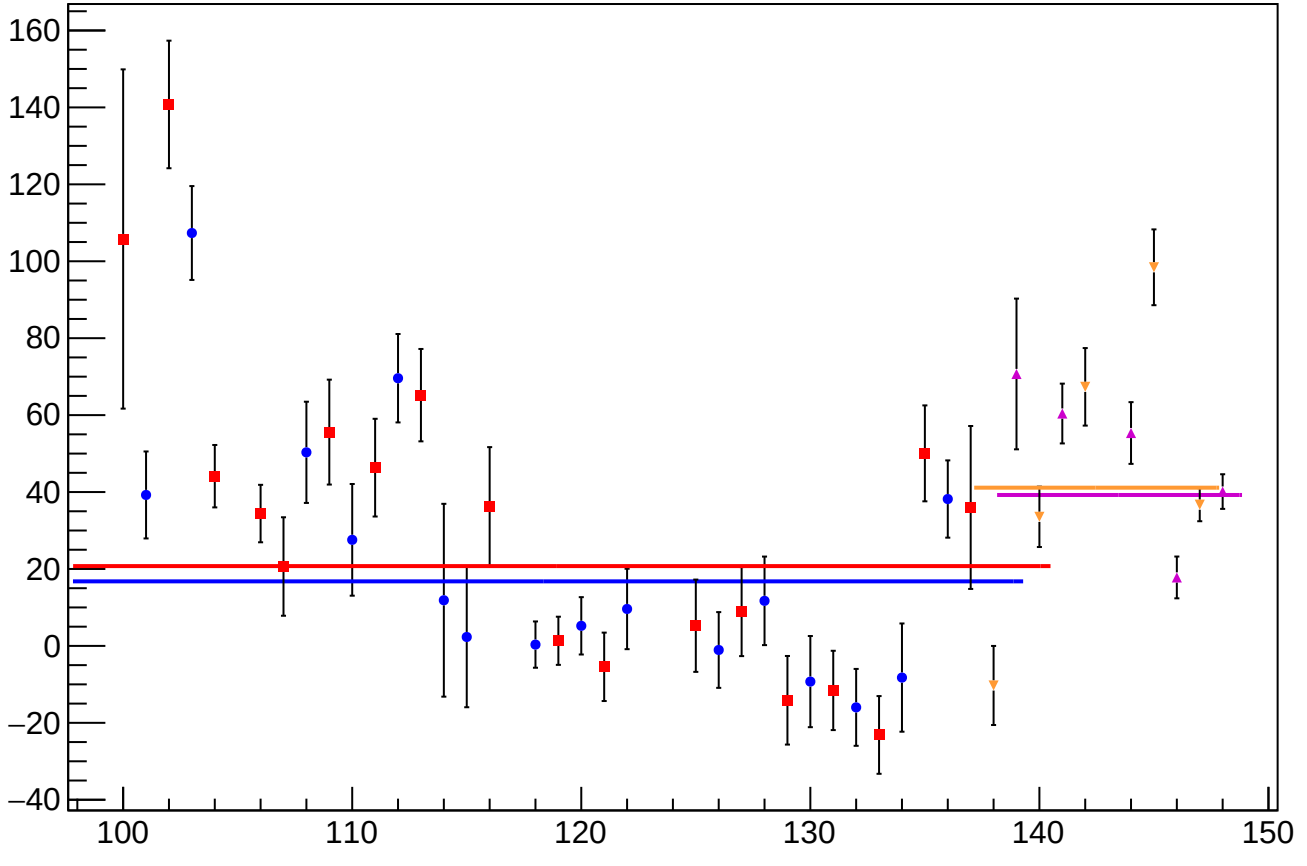
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -509.508+/-2.286 χ^2/NDF:2155.5/20

Out: -464.056+/-2.193 χ^2/NDF:4228.9/22

All: -485.843+/-1.583 χ^2/NDF: 6590.2/43

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: 41.136+/-3.165 χ^2/NDF:67.6/4

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 39.237+/-2.913 χ^2/NDF:29.6/4

Left: 40.108+/-2.143 χ^2/NDF: 97.4/9

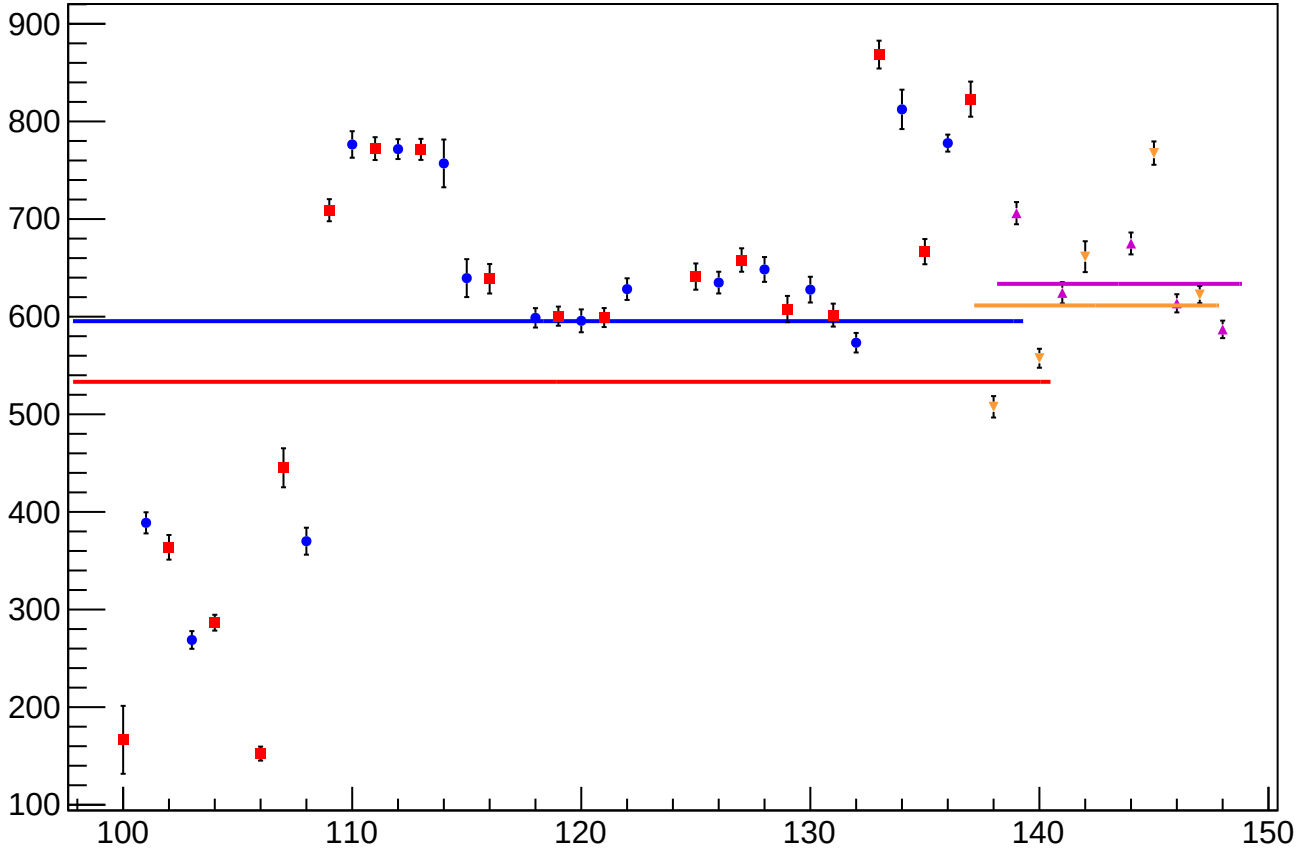
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 26.968+/-1.962 χ^2/NDF:187.1/20

Out: 28.767+/-1.985 χ^2/NDF:250.7/22

All: 27.857+/-1.395 χ^2/NDF: 438.2/43

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: 611.516+/-4.824 χ^2/NDF:302.3/4

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 633.637+/-4.560 χ^2/NDF:86.6/4

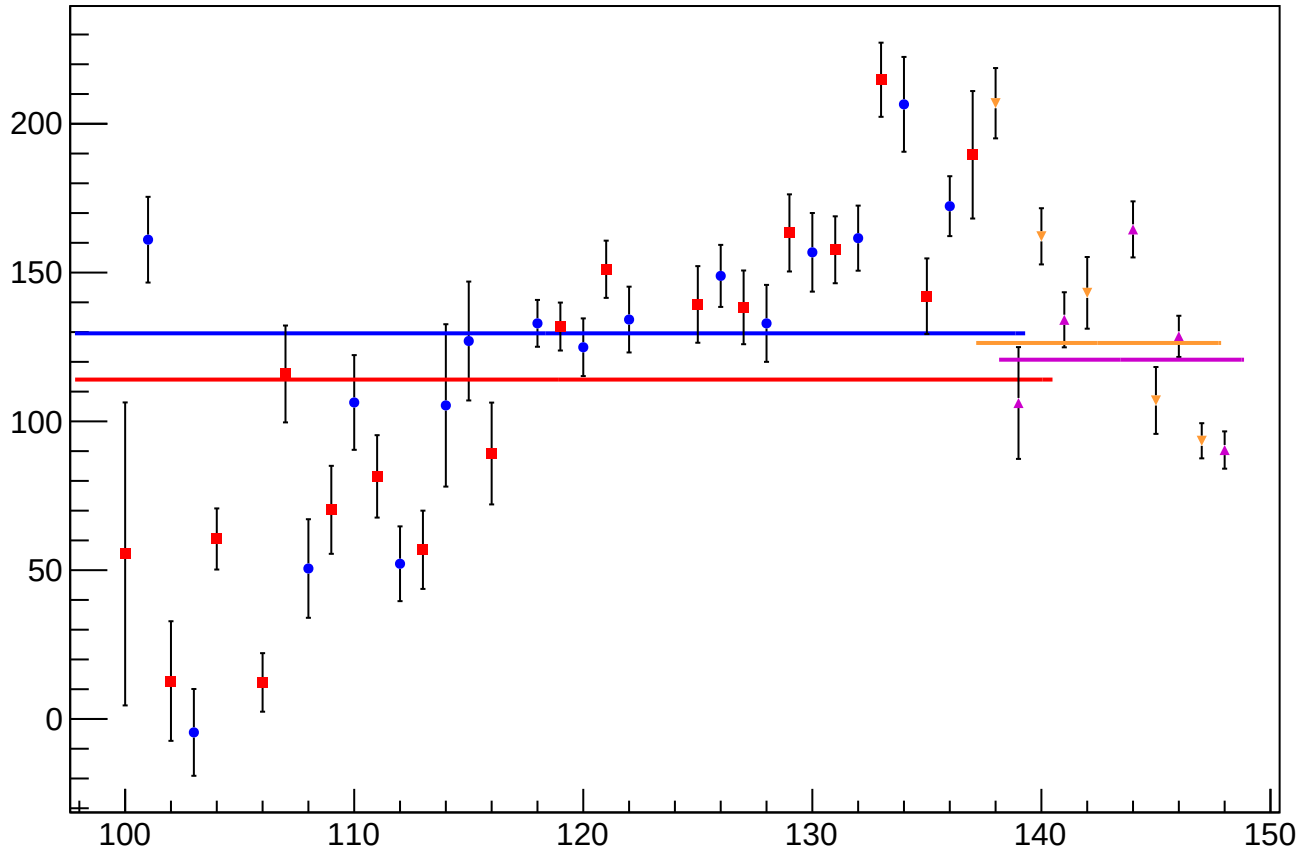
Left: 623.200+/-3.314 χ^2/NDF: 400.0/9

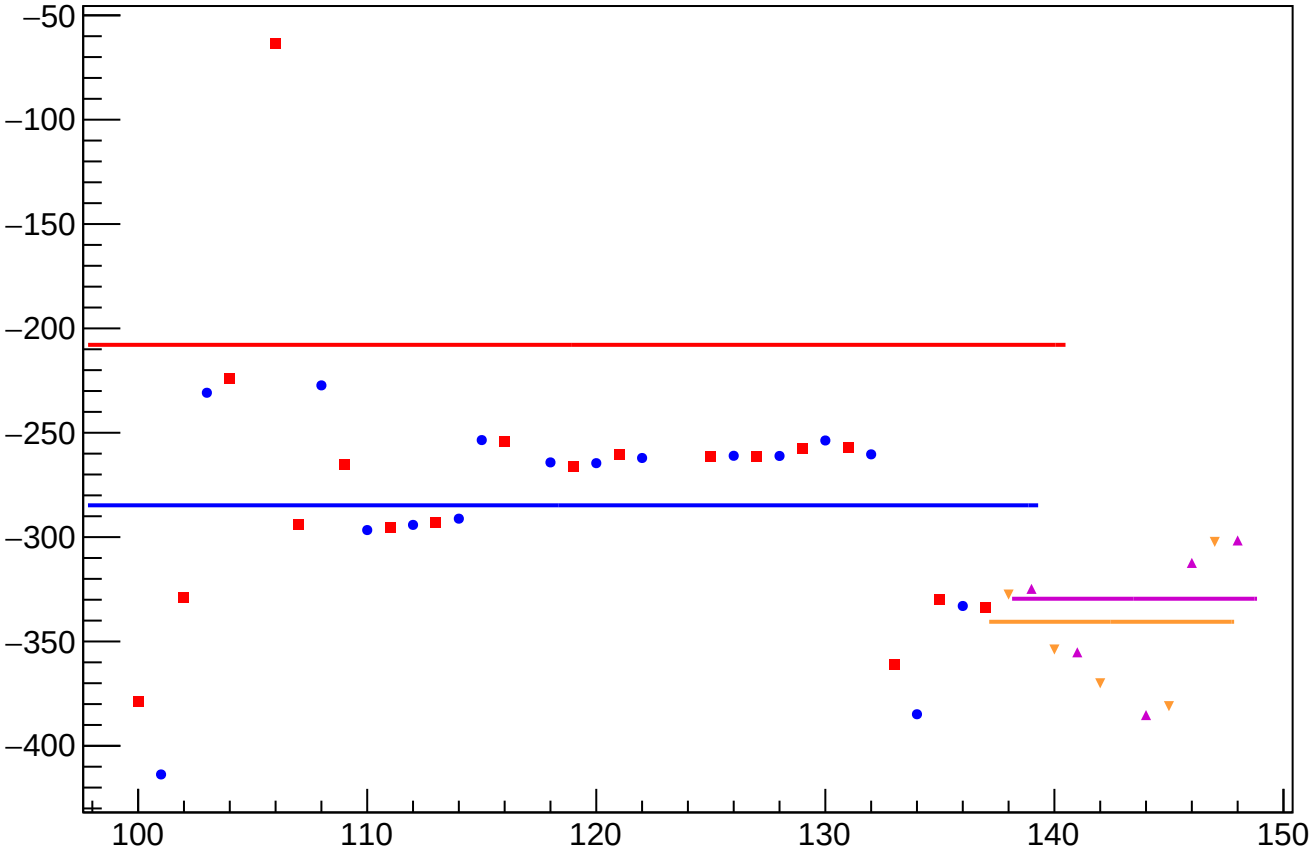
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 606.577+/-2.465 χ^2/NDF:3196.1/20

Out: 552.426+/-2.387 χ^2/NDF:7003.8/22

All: 578.629+/-1.714 χ^2/NDF: 10449.0/43


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
200
150
100
50
0
100
110
120
130
140
150
Right In: 129.586+/-3.081 χ²/NDF: 211.2/15
Left Out: 126.348+/-4.021 χ²/NDF:96.8/4
Right Out: 114.048+/-2.976 χ²/NDF: 335.9/17
Left In: 120.726+/-3.724 χ²/NDF:49.0/4
Left: 123.322+/-2.732 χ²/NDF: 146.9/9
Right: 121.549+/-2.140 χ²/NDF: 560.3/33
In: 125.986+/-2.374 χ²/NDF:263.6/20
Out: 118.402+/-2.392 χ²/NDF:438.8/22
All: 122.223+/-1.685 χ²/NDF: 707.5/43



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -340.557+/-0.205 χ^2/NDF:20836.6/4

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -329.525+/-0.186 χ^2/NDF:23485.0/4

Left: -334.517+/-0.138 χ^2/NDF: 45911.8/9

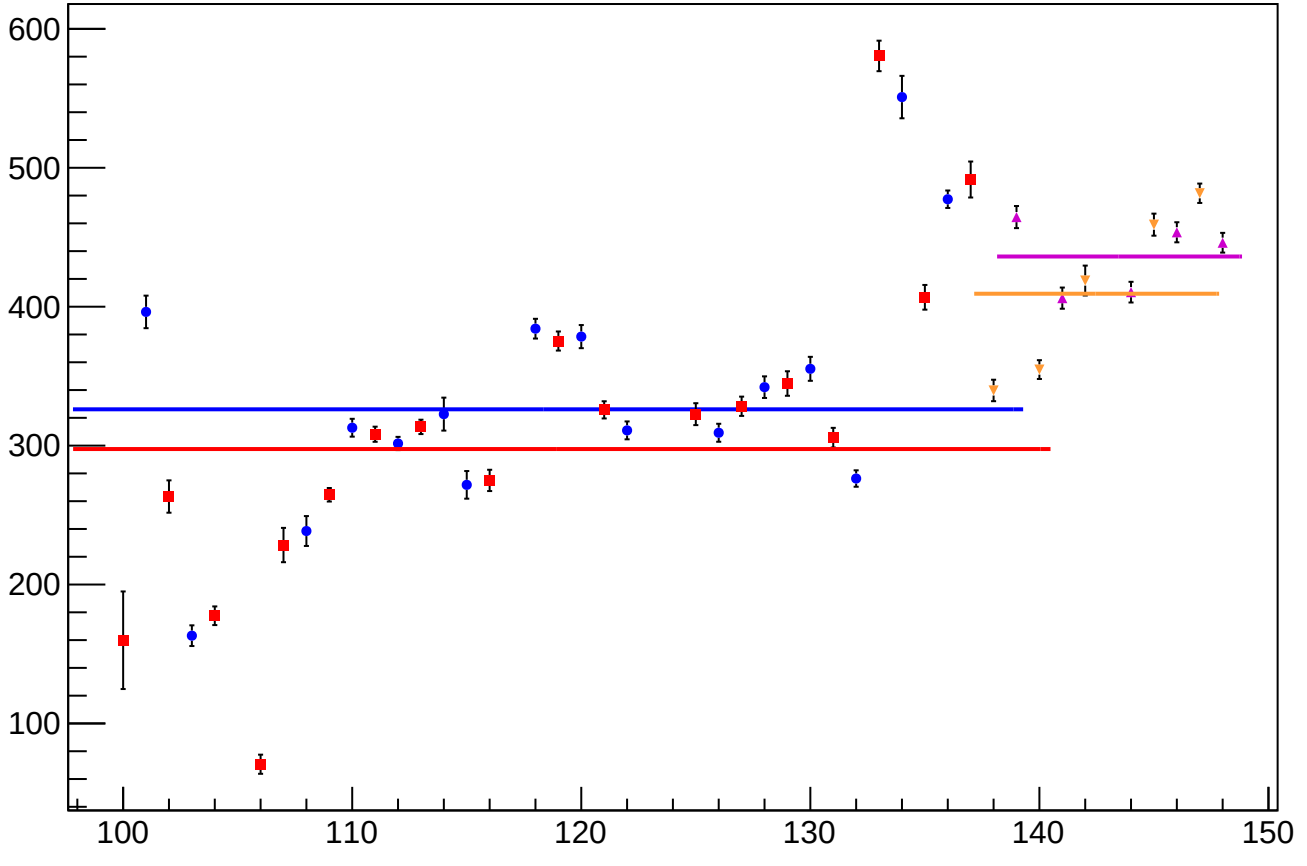
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.094+/-0.128 χ^2/NDF:158138.4/20

Out: -253.758+/-0.120 χ^2/NDF:832345.7/22

All: -278.229+/-0.088 χ^2/NDF: 1078852.5/43

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: 409.340+/-3.457 χ^2/NDF:293.9/4

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 436.135+/-3.333 χ^2/NDF:47.9/4

Left: 423.228+/-2.399 χ^2/NDF: 372.9/9

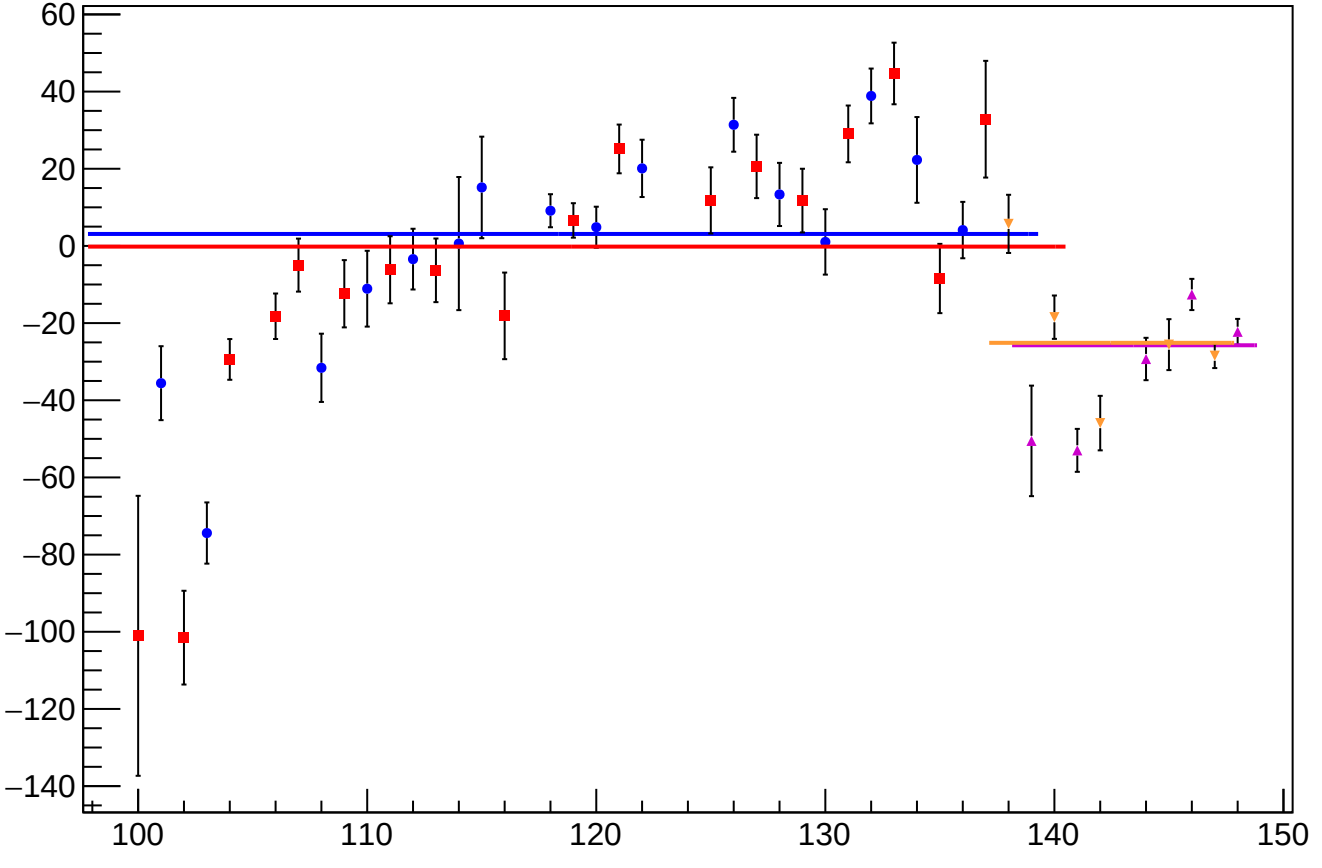
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 352.189+/-1.622 χ^2/NDF:2522.2/20

Out: 320.024+/-1.550 χ^2/NDF:3904.8/22

All: 335.381+/-1.121 χ^2/NDF: 6632.5/43

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: -25.116+/-2.296 χ^2/NDF:27.9/4

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -25.747+/-2.127 χ^2/NDF:39.0/4

Left: -25.456+/-1.560 χ^2/NDF: 67.0/9

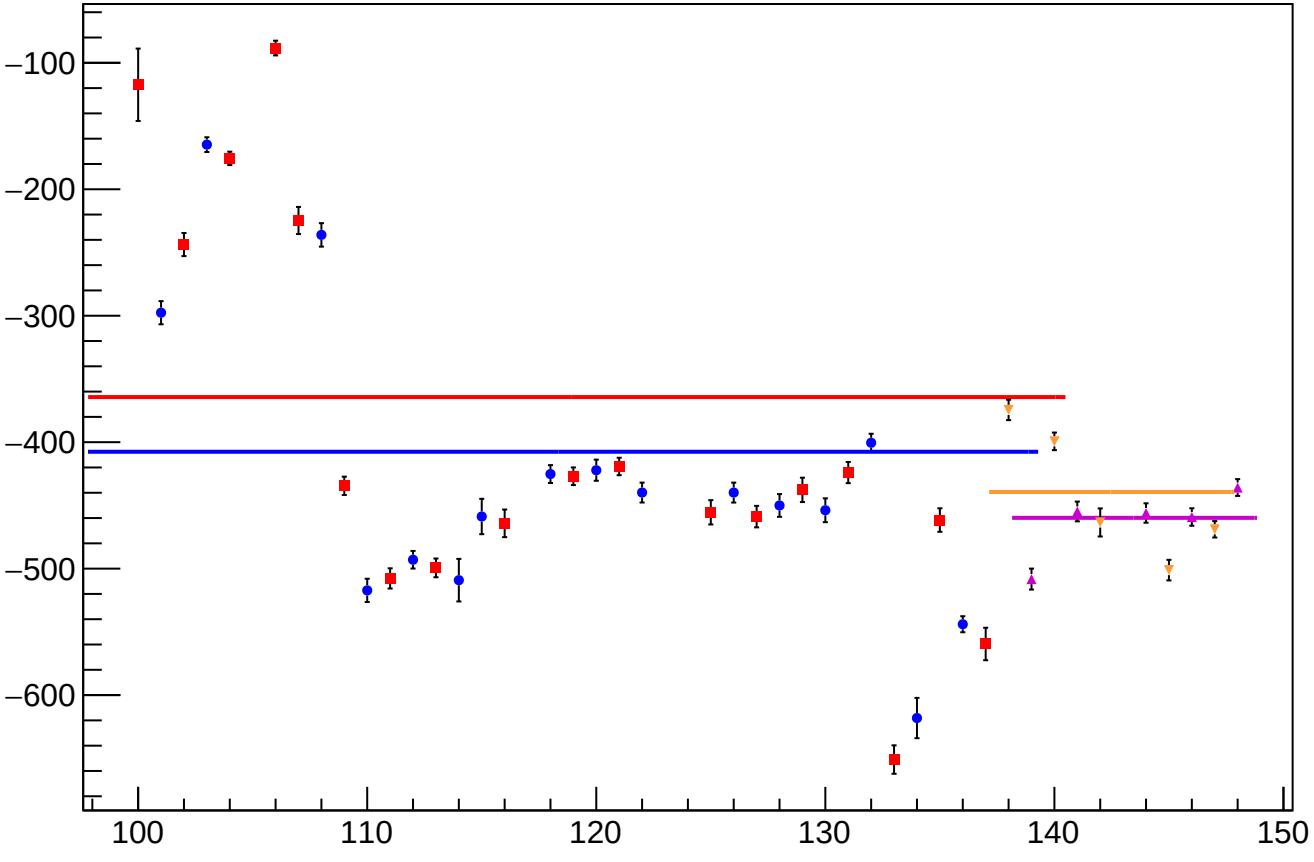
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -9.642+/-1.414 χ^2/NDF:326.3/20

Out: -9.614+/-1.412 χ^2/NDF:306.4/22

All: -9.628+/-0.999 χ^2/NDF: 632.7/43

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -439.398+/-3.473 χ^2/NDF:180.9/4

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -459.830+/-3.306 χ^2/NDF:47.8/4

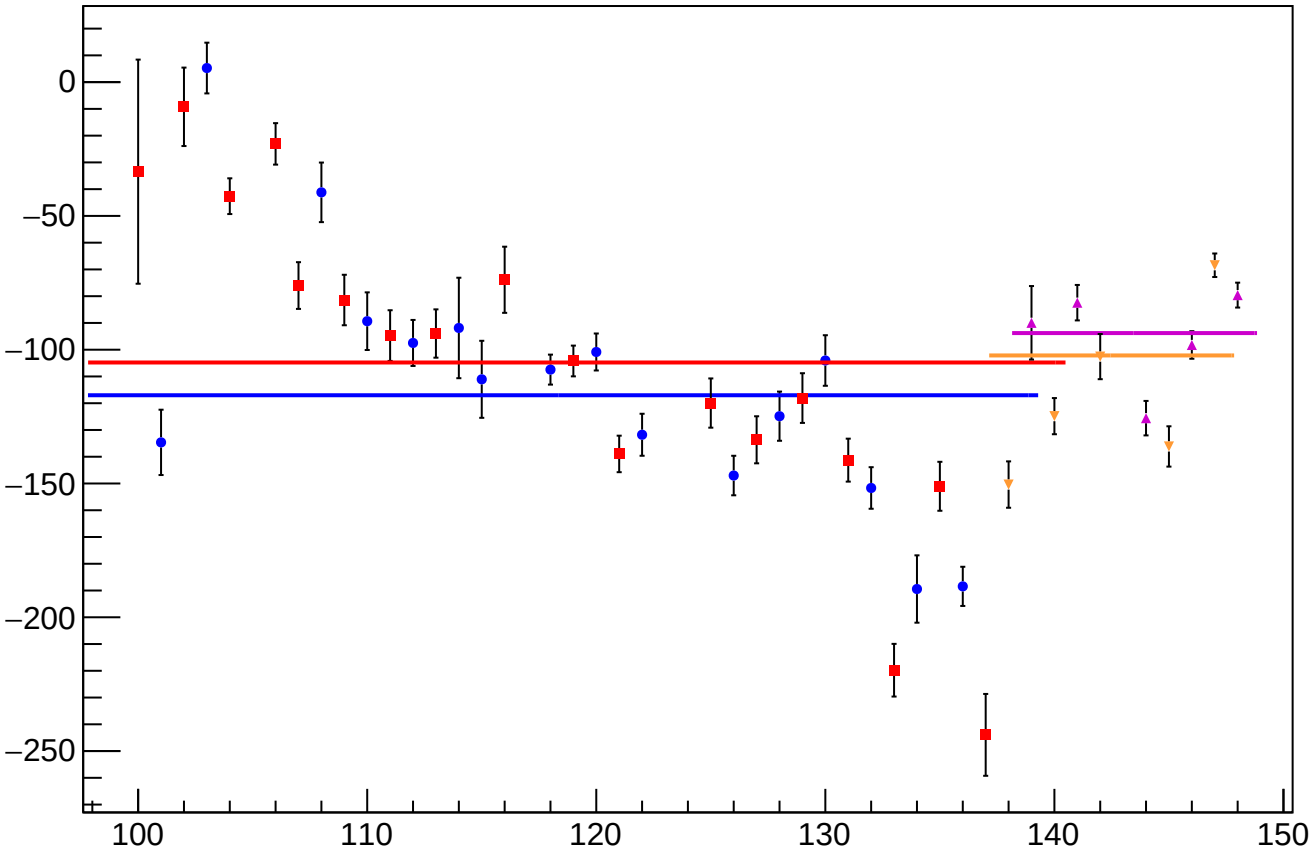
Left: -450.116+/-2.395 χ^2/NDF: 246.9/9

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -422.329+/-1.757 χ^2/NDF:3507.6/20

Out: -382.213+/-1.695 χ^2/NDF:6757.3/22

All: -401.556+/-1.220 χ^2/NDF: 10534.9/43



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -102.145+/-2.904 χ^2/NDF:121.4/4

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -93.786+/-2.711 χ^2/NDF:37.4/4

Left: -97.678+/-1.982 χ^2/NDF: 163.3/9

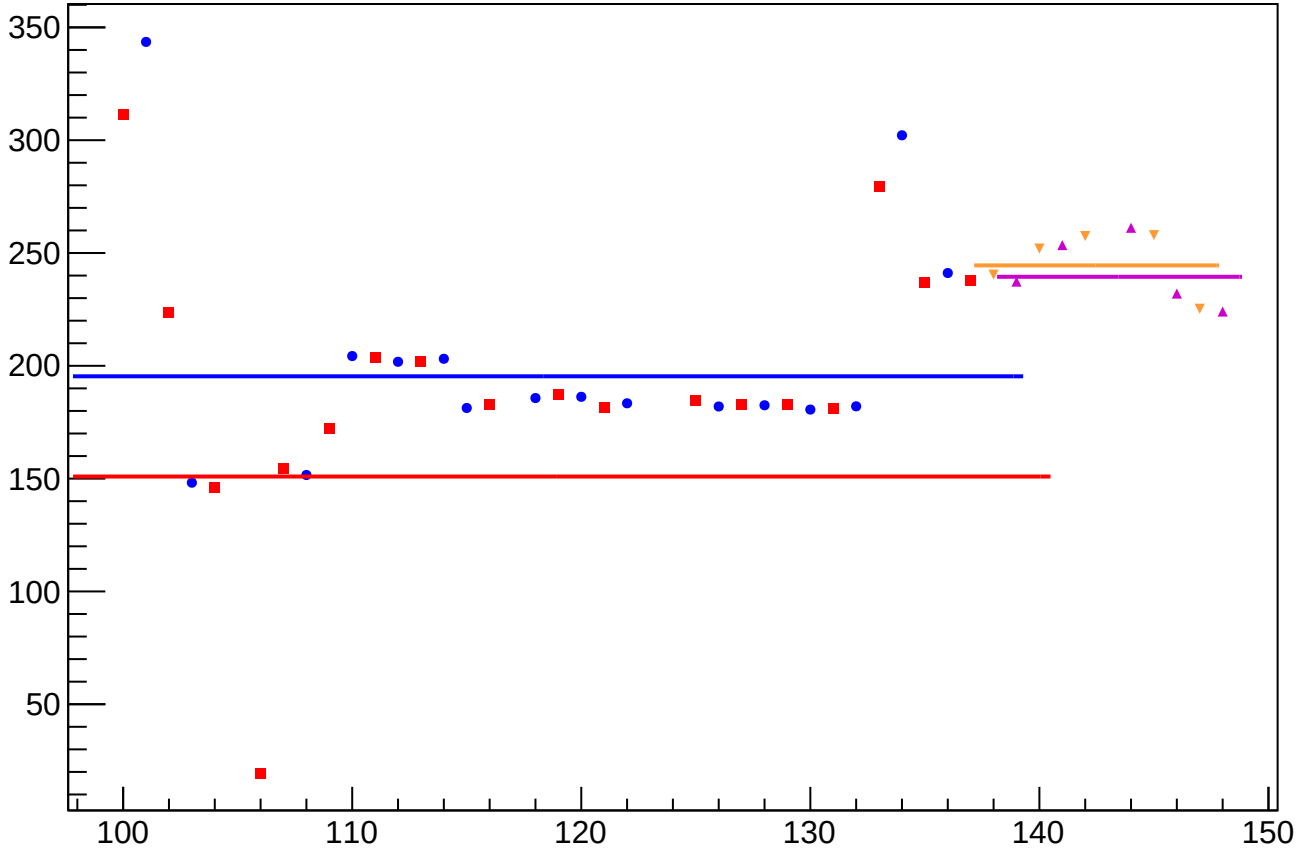
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -107.823+/-1.706 χ^2/NDF:489.6/20

Out: -103.880+/-1.697 χ^2/NDF:697.1/22

All: -105.841+/-1.203 χ^2/NDF: 1189.4/43

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: 244.509+/-0.147 χ^2/NDF:7691.8/4

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 239.463+/-0.135 χ^2/NDF:9884.3/4

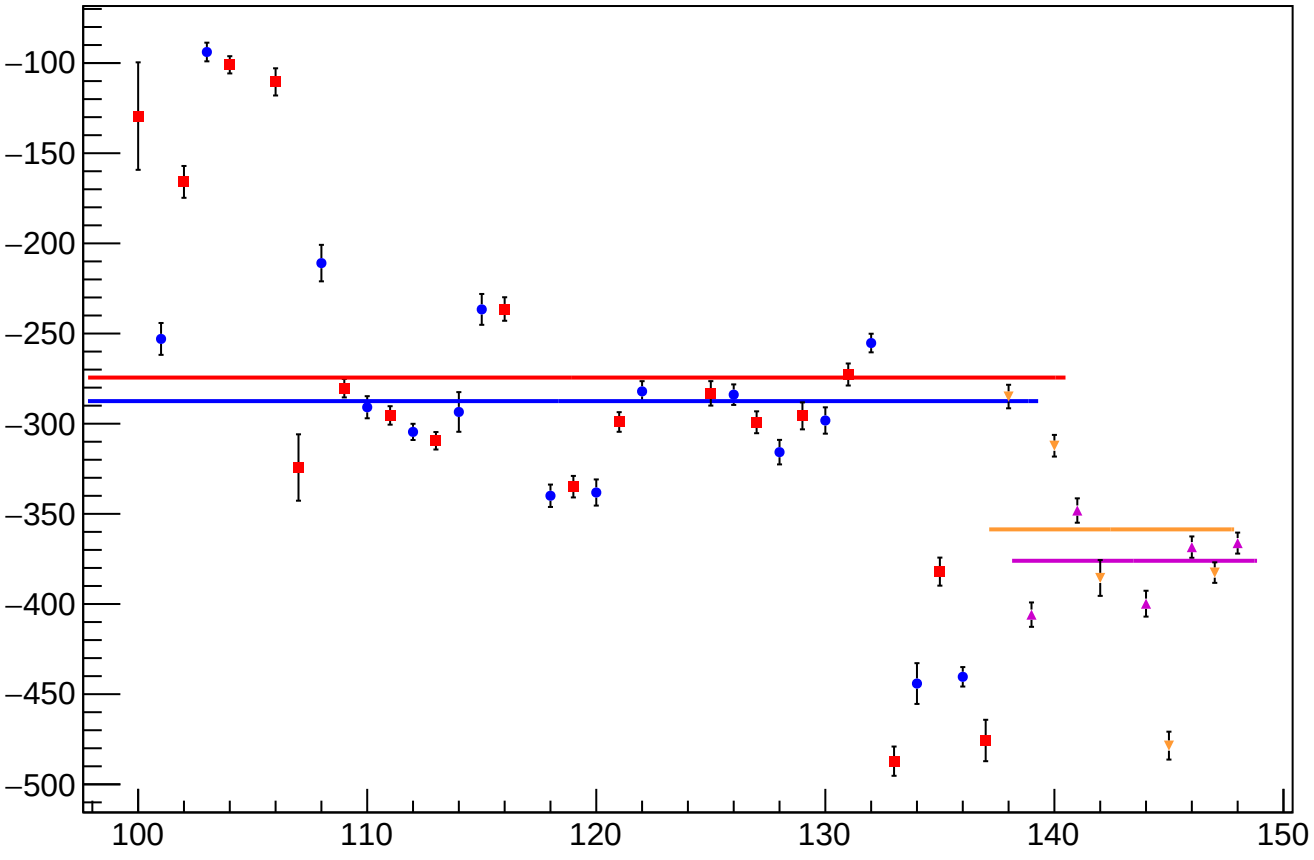
Left: 241.773+/-0.100 χ^2/NDF: 18214.1/9

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 215.619+/-0.092 χ^2/NDF:244422.0/20

Out: 184.556+/-0.088 χ^2/NDF:766167.5/22

All: 199.493+/-0.064 χ^2/NDF: 1070255.8/43



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -358.618+/-3.030 χ^2/NDF:452.6/4

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -376.026+/-2.873 χ^2/NDF:52.0/4

Left: -367.784+/-2.085 χ^2/NDF: 522.0/9

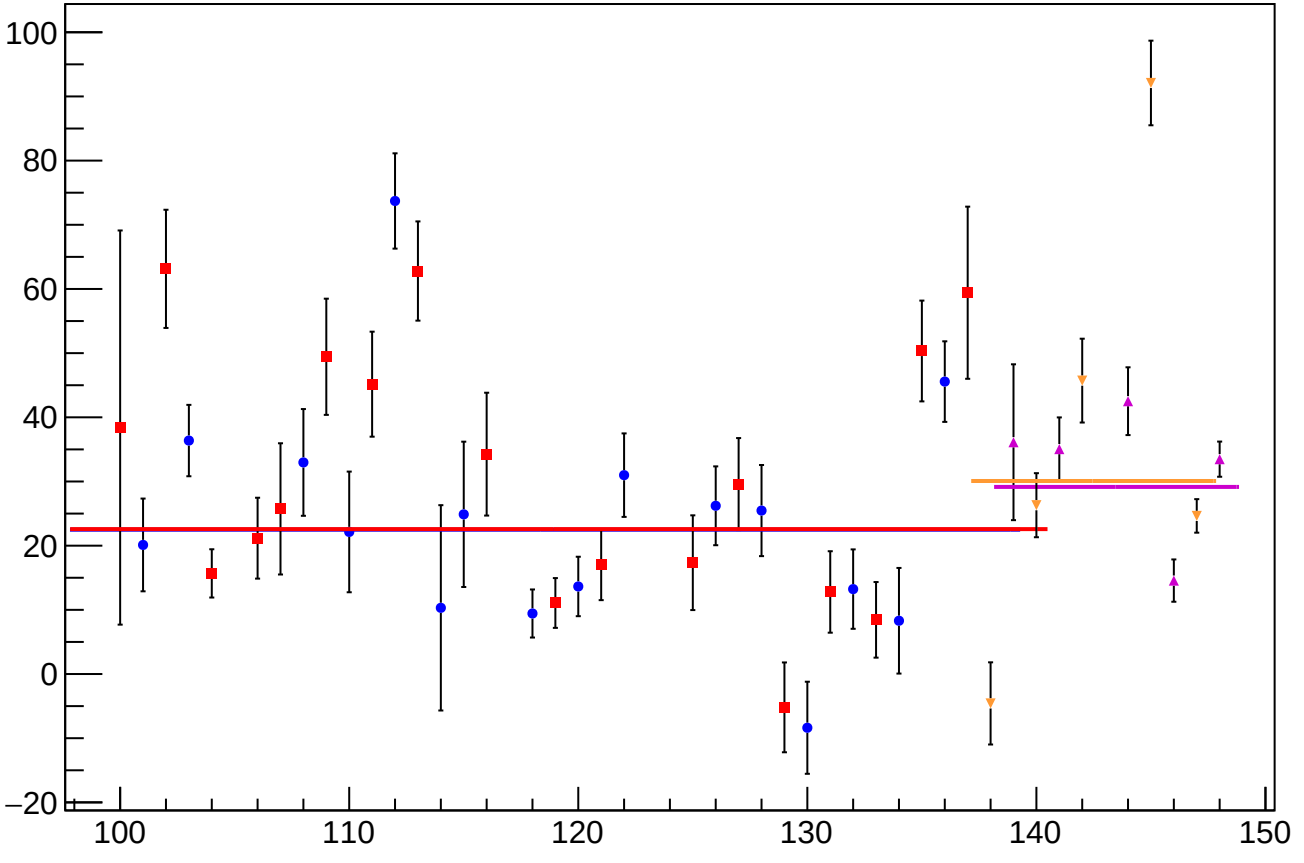
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -308.664+/-1.405 χ^2/NDF:3471.2/20

Out: -291.910+/-1.381 χ^2/NDF:4478.0/22

All: -300.140+/-0.985 χ^2/NDF: 8021.5/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 30.078+/-1.971 χ^2/NDF:128.5/4

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 29.154+/-1.799 χ^2/NDF:30.3/4

Left: 29.574+/-1.329 χ^2/NDF: 158.8/9

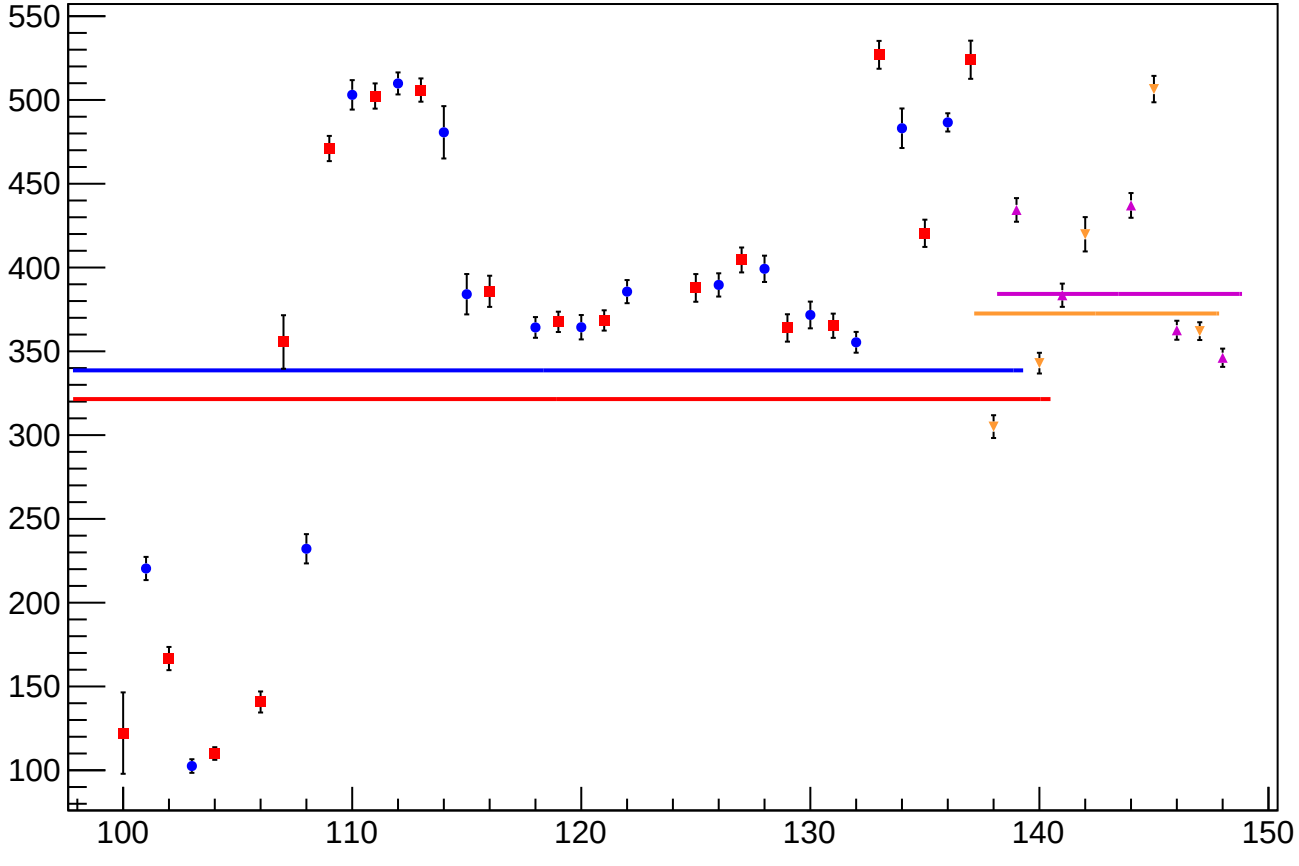
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 25.476+/-1.204 χ^2/NDF:149.3/20

Out: 25.490+/-1.228 χ^2/NDF:260.7/22

All: 25.483+/-0.860 χ^2/NDF: 409.9/43

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: 372.566+/-3.029 χ^2/NDF:435.7/4

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 384.254+/-2.839 χ^2/NDF:165.2/4

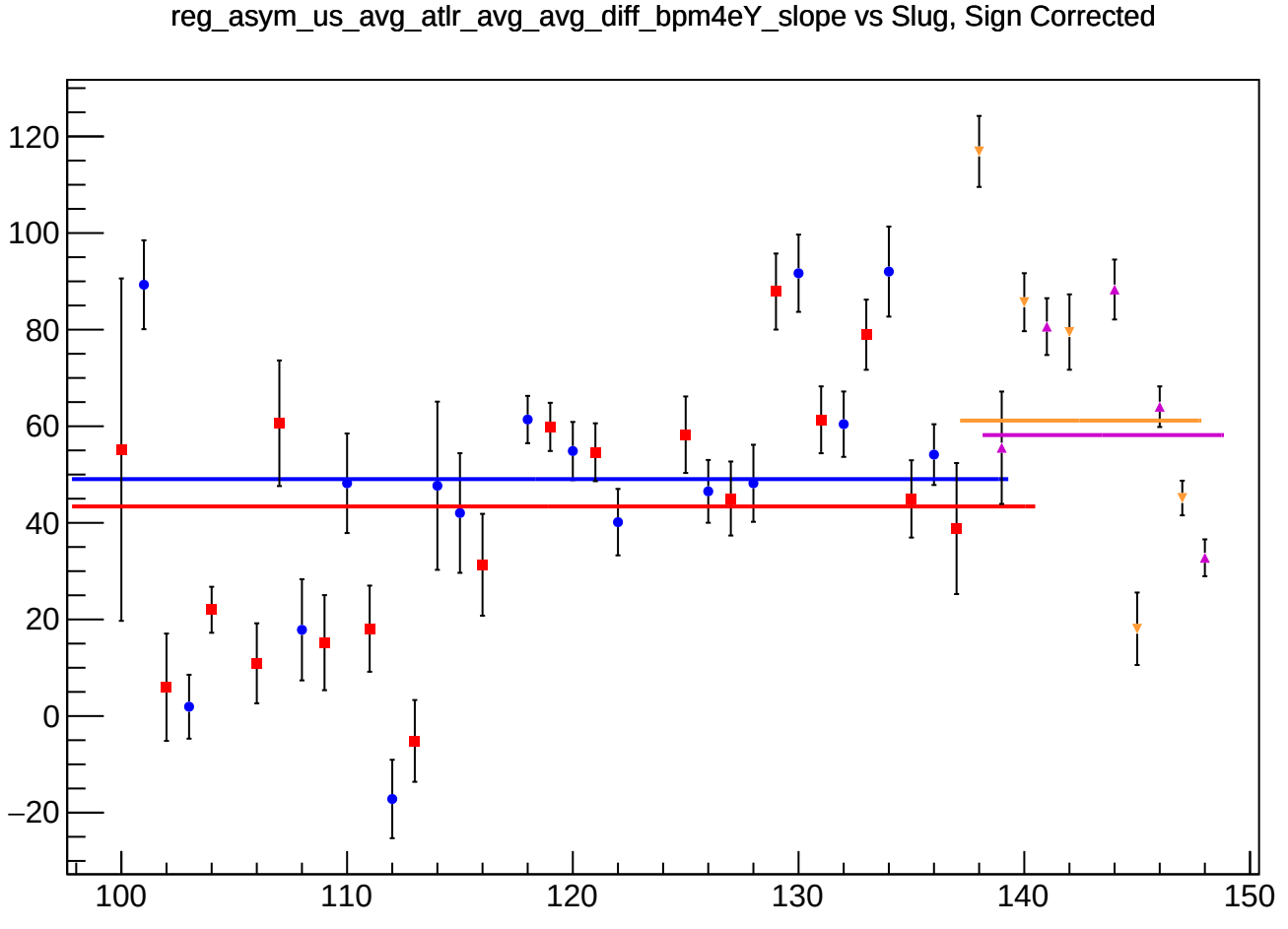
Left: 378.789+/-2.071 χ^2/NDF: 608.8/9

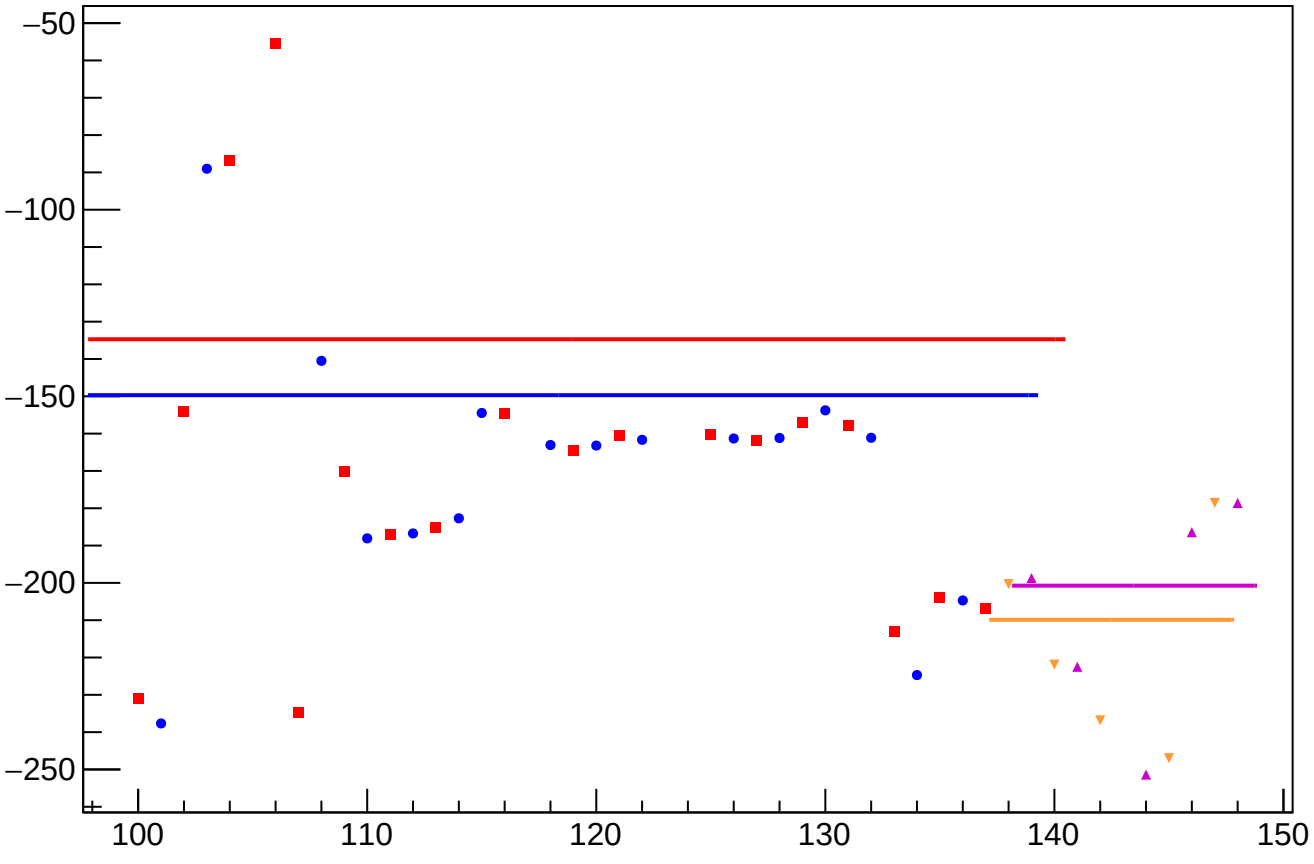
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.178+/-1.489 χ^2/NDF:6395.1/20

Out: 333.669+/-1.479 χ^2/NDF:8373.0/22

All: 342.365+/-1.049 χ^2/NDF: 14837.7/43


reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 61.174+/-2.514 χ²/NDF:132.7/4
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 58.173+/-2.308 χ²/NDF:84.6/4
Left: 59.546+/-1.700 χ²/NDF: 218.0/9
Right: 46.149+/-1.314 χ²/NDF: 392.6/33
In: 52.695+/-1.459 χ²/NDF:301.9/20
Out: 49.568+/-1.481 χ²/NDF:345.3/22
All: 51.156+/-1.039 χ²/NDF: 649.5/43



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -209.892+/-0.129 χ^2/NDF:39001.2/4

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -200.745+/-0.116 χ^2/NDF:42788.8/4

Left: -204.834+/-0.086 χ^2/NDF: 84584.6/9

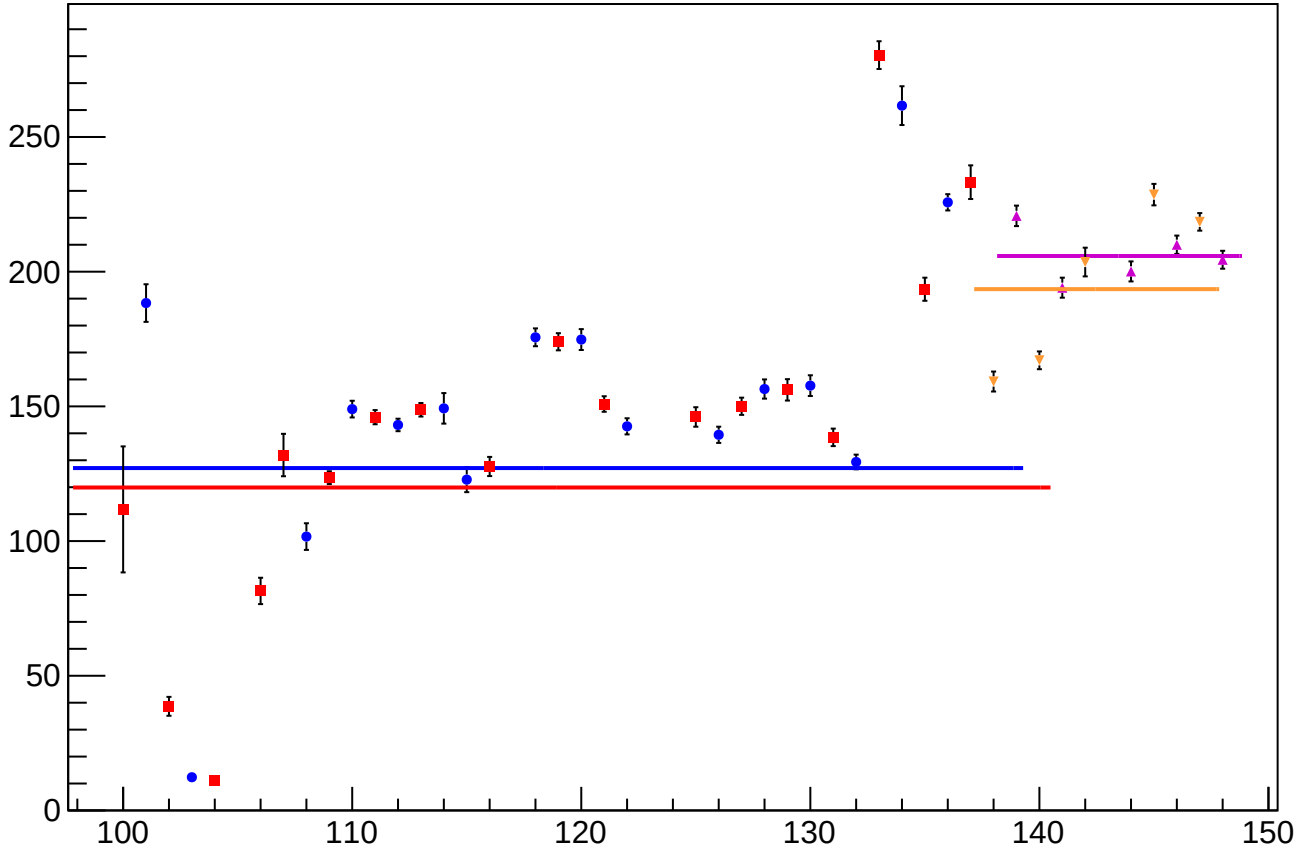
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -171.735+/-0.076 χ^2/NDF:409929.3/20

Out: -161.956+/-0.077 χ^2/NDF:569313.8/22

All: -166.938+/-0.054 χ^2/NDF: 987363.8/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 193.525+/-1.674 χ^2/NDF:289.5/4

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 205.824+/-1.599 χ^2/NDF:29.4/4

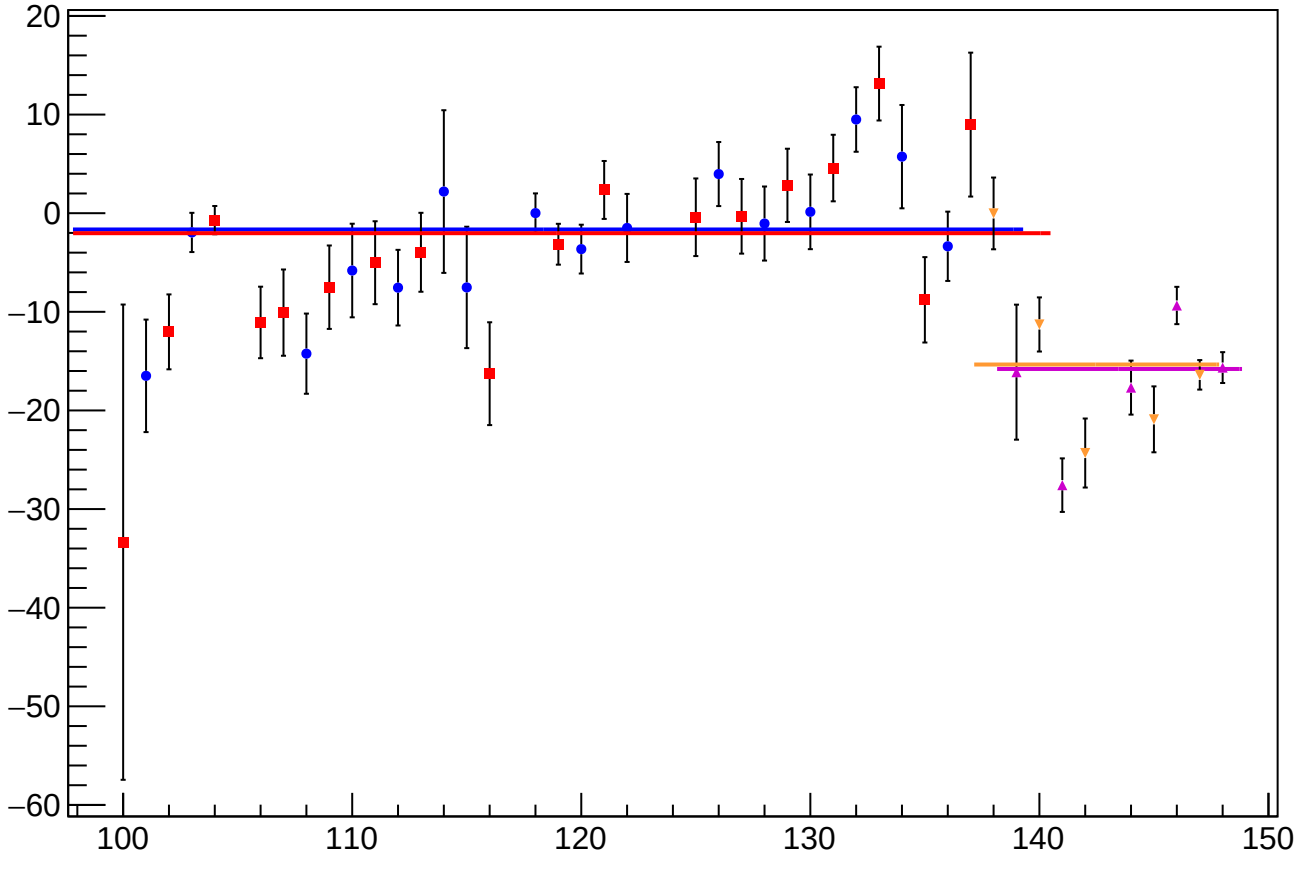
Left: 199.957+/-1.156 χ^2/NDF: 347.1/9

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 143.208+/-0.723 χ^2/NDF:8121.6/20

Out: 132.864+/-0.703 χ^2/NDF:8533.4/22

All: 137.888+/-0.504 χ^2/NDF: 16760.2/43



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -15.343+/-1.100 χ^2/NDF:29.8/4

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.795+/-1.011 χ^2/NDF:30.9/4

Left: -15.588+/-0.744 χ^2/NDF: 60.7/9

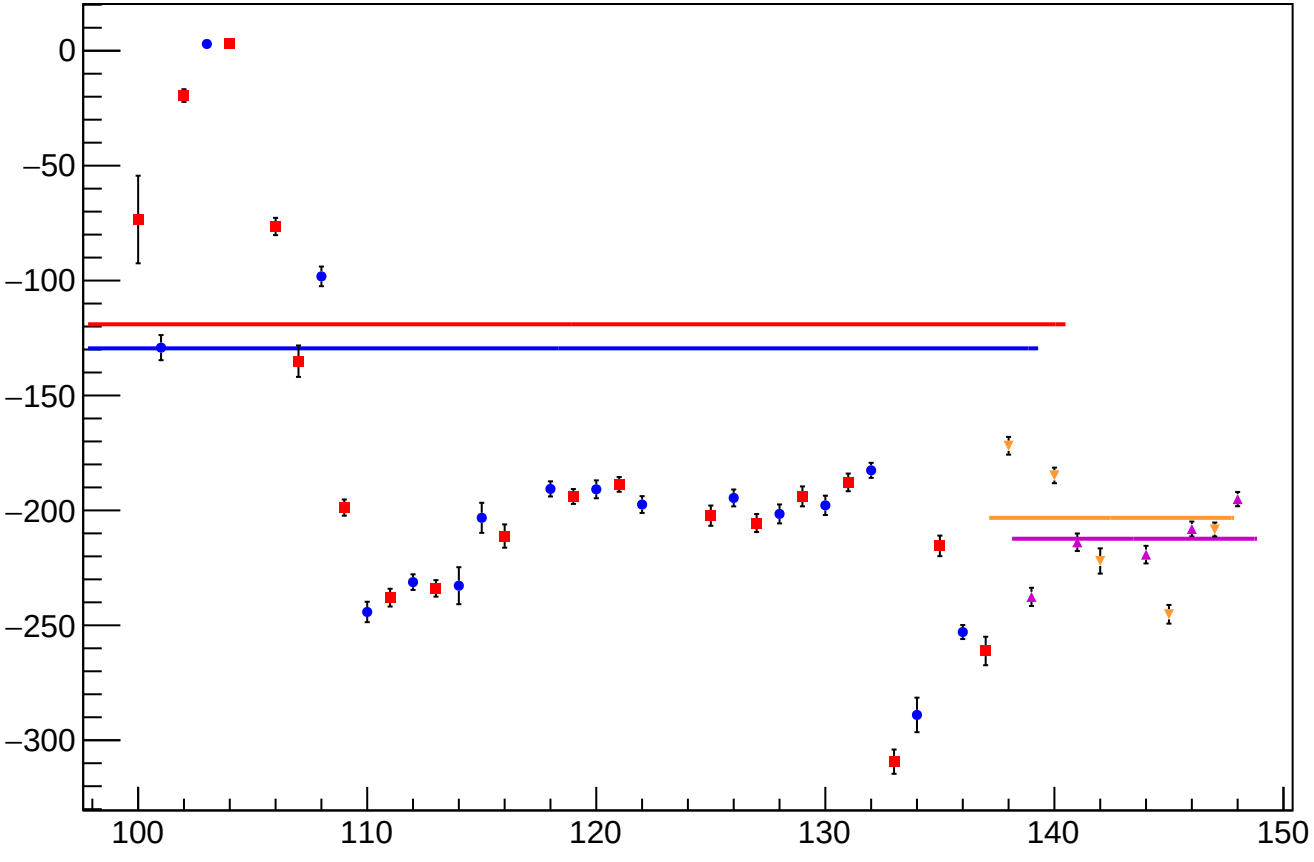
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.368+/-0.643 χ^2/NDF:186.6/20

Out: -6.406+/-0.631 χ^2/NDF:186.6/22

All: -6.878+/-0.450 χ^2/NDF: 374.3/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -203.252+/-1.678 χ^2/NDF:215.8/4

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -212.331+/-1.583 χ^2/NDF:76.6/4

Left: -208.055+/-1.151 χ^2/NDF: 307.9/9

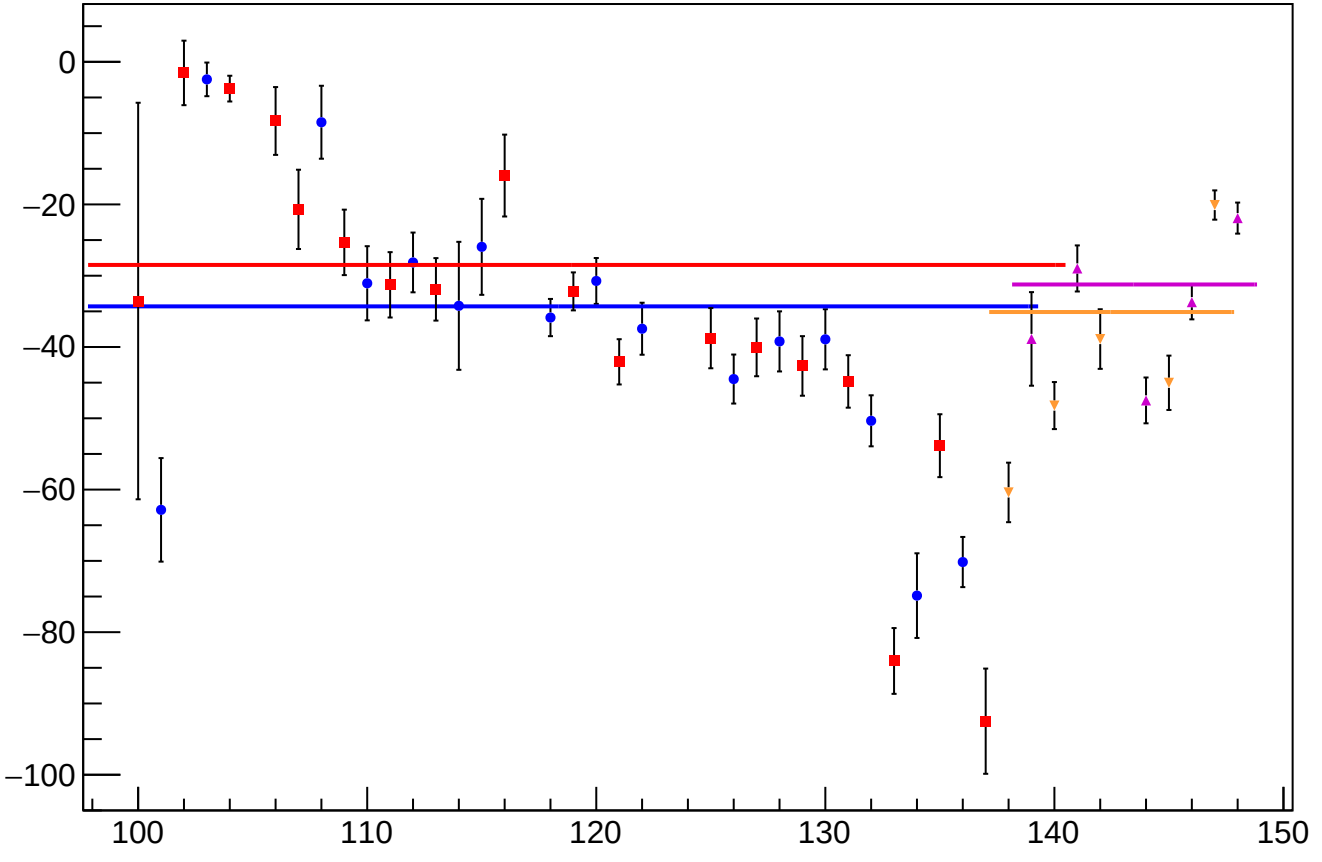
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -147.913+/-0.746 χ^2/NDF:16893.9/20

Out: -135.034+/-0.731 χ^2/NDF:18434.7/22

All: -141.344+/-0.522 χ^2/NDF: 35480.5/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -35.093+/-1.397 χ^2/NDF:113.5/4

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.230+/-1.292 χ^2/NDF:46.8/4

Left: -33.011+/-0.949 χ^2/NDF: 164.4/9

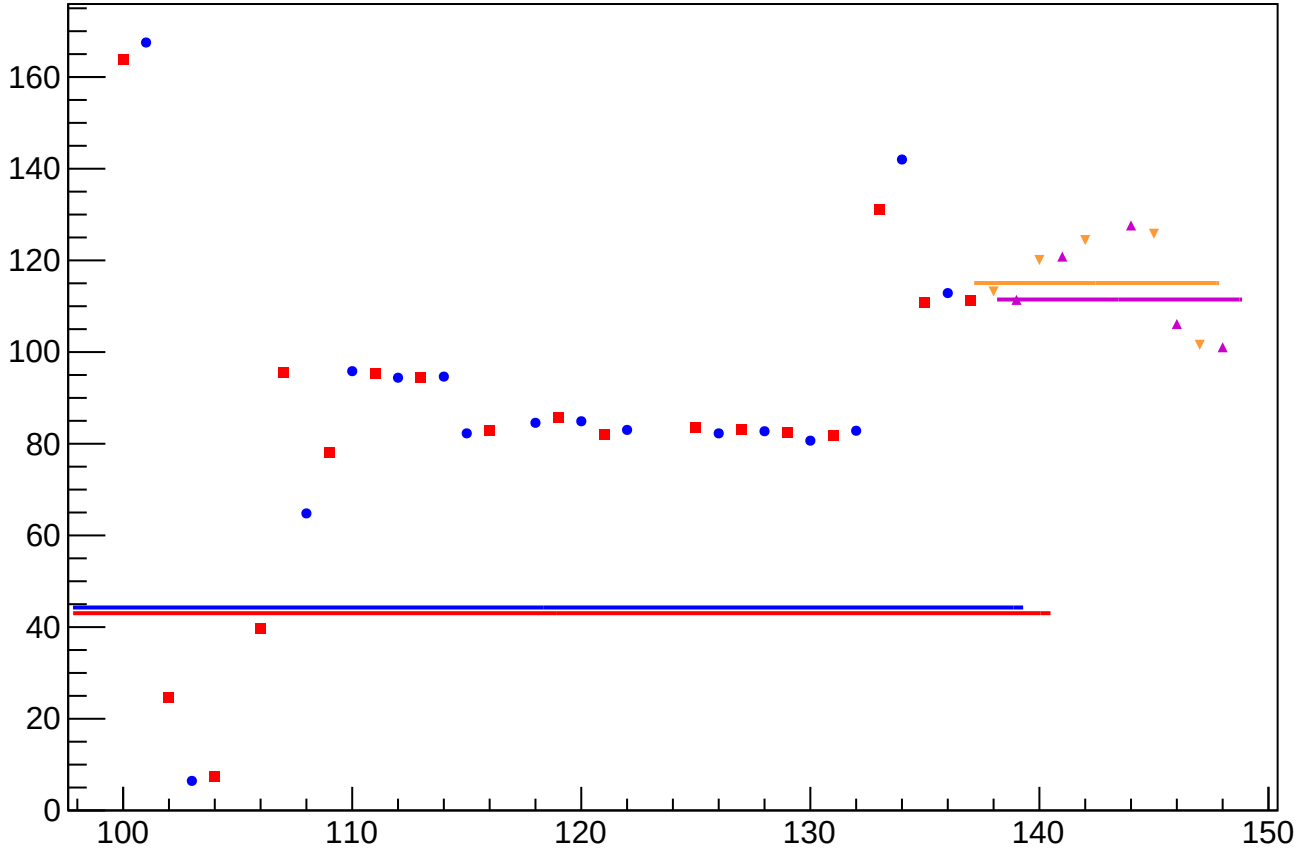
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -33.197+/-0.775 χ^2/NDF:461.7/20

Out: -30.446+/-0.761 χ^2/NDF:697.3/22

All: -31.797+/-0.543 χ^2/NDF: 1165.4/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 115.061+/-0.071 χ^2/NDF:17358.6/4

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 111.465+/-0.065 χ^2/NDF:20785.0/4

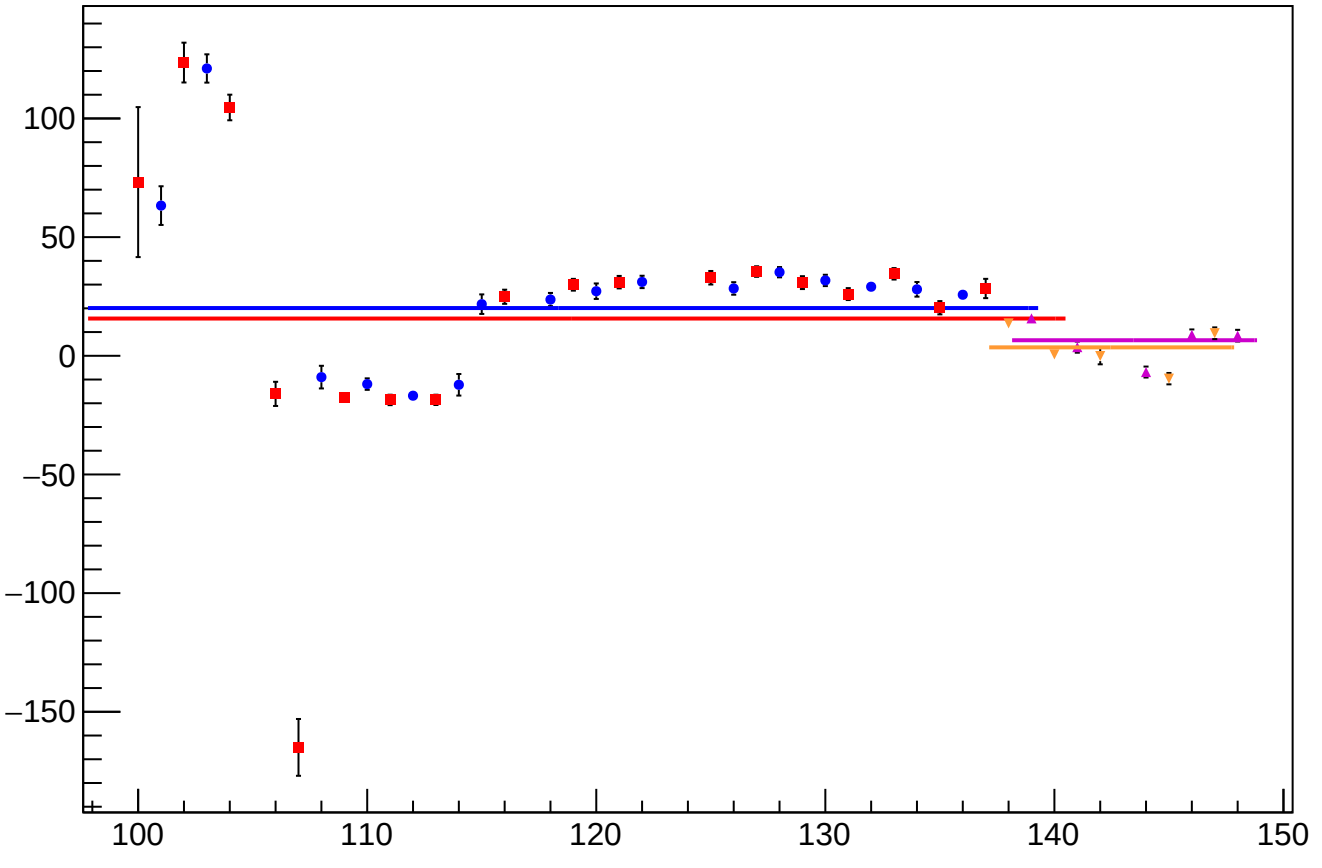
Left: 113.091+/-0.048 χ^2/NDF: 39543.7/9

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 66.168+/-0.037 χ^2/NDF:1834209.3/20

Out: 63.646+/-0.038 χ^2/NDF:1554408.6/22

All: 64.946+/-0.026 χ^2/NDF: 3390881.9/43



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 3.553+/-1.065 χ^2/NDF:62.6/4

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.554+/-1.013 χ^2/NDF:57.9/4

Left: 5.128+/-0.734 χ^2/NDF: 124.7/9

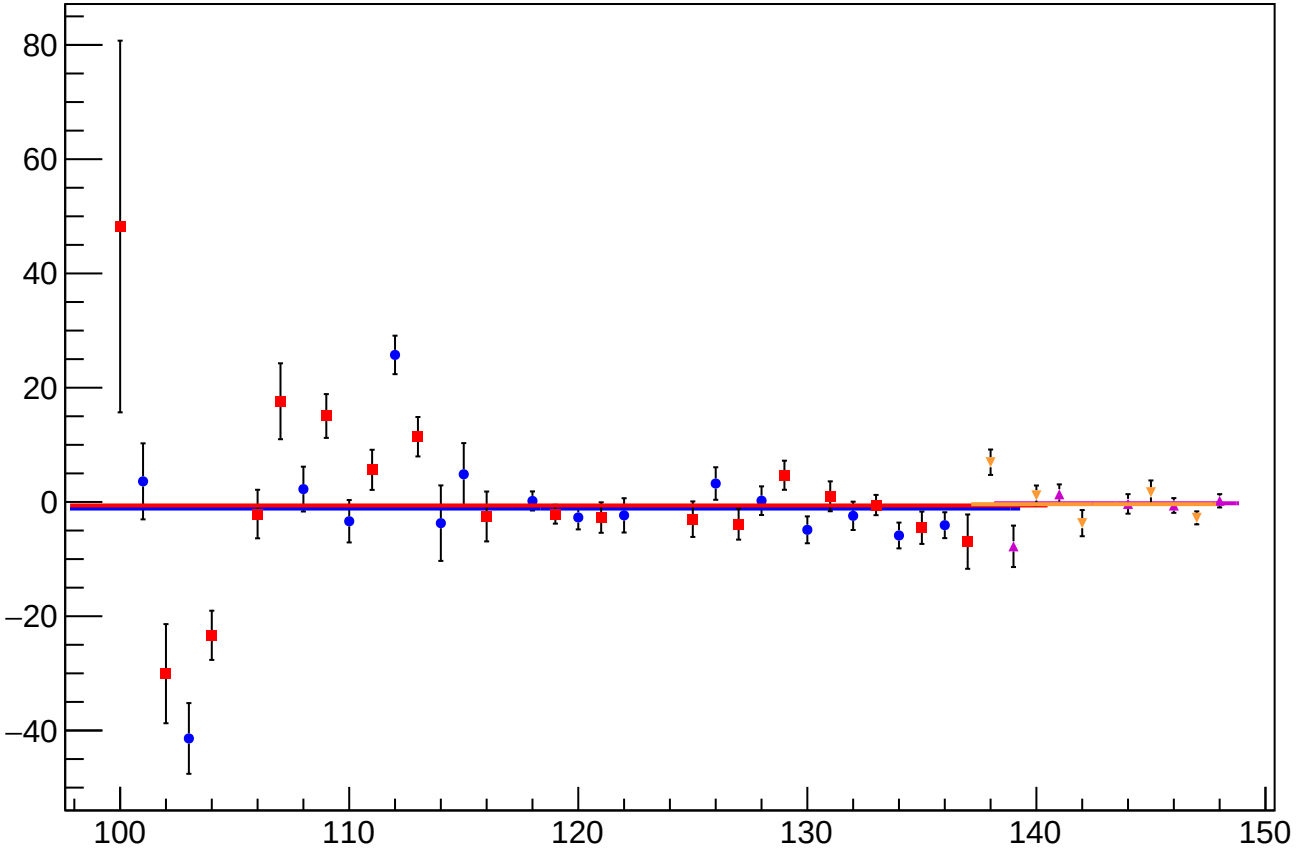
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 15.845+/-0.569 χ^2/NDF:1228.8/20

Out: 12.165+/-0.574 χ^2/NDF:1928.7/22

All: 14.023+/-0.404 χ^2/NDF: 3178.2/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.387+/-0.761 χ^2/NDF:19.2/4

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.227+/-0.692 χ^2/NDF:5.4/4

Left: -0.300+/-0.512 χ^2/NDF: 24.6/9

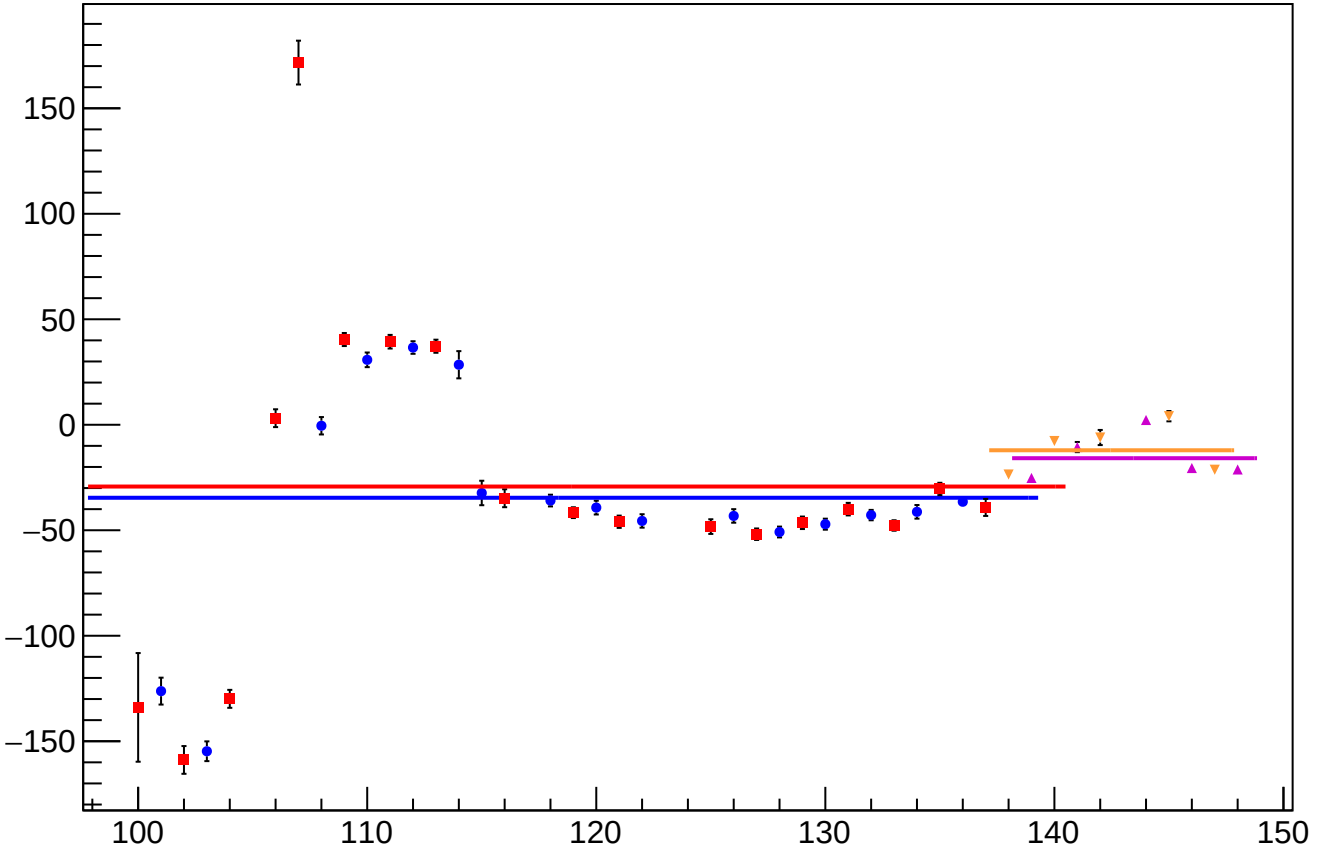
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.684+/-0.492 χ^2/NDF:128.1/20

Out: -0.508+/-0.520 χ^2/NDF:112.6/22

All: -0.601+/-0.357 χ^2/NDF: 240.8/43

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: -12.090+/-1.076 χ^2/NDF:94.5/4

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -15.847+/-1.013 χ^2/NDF:92.8/4

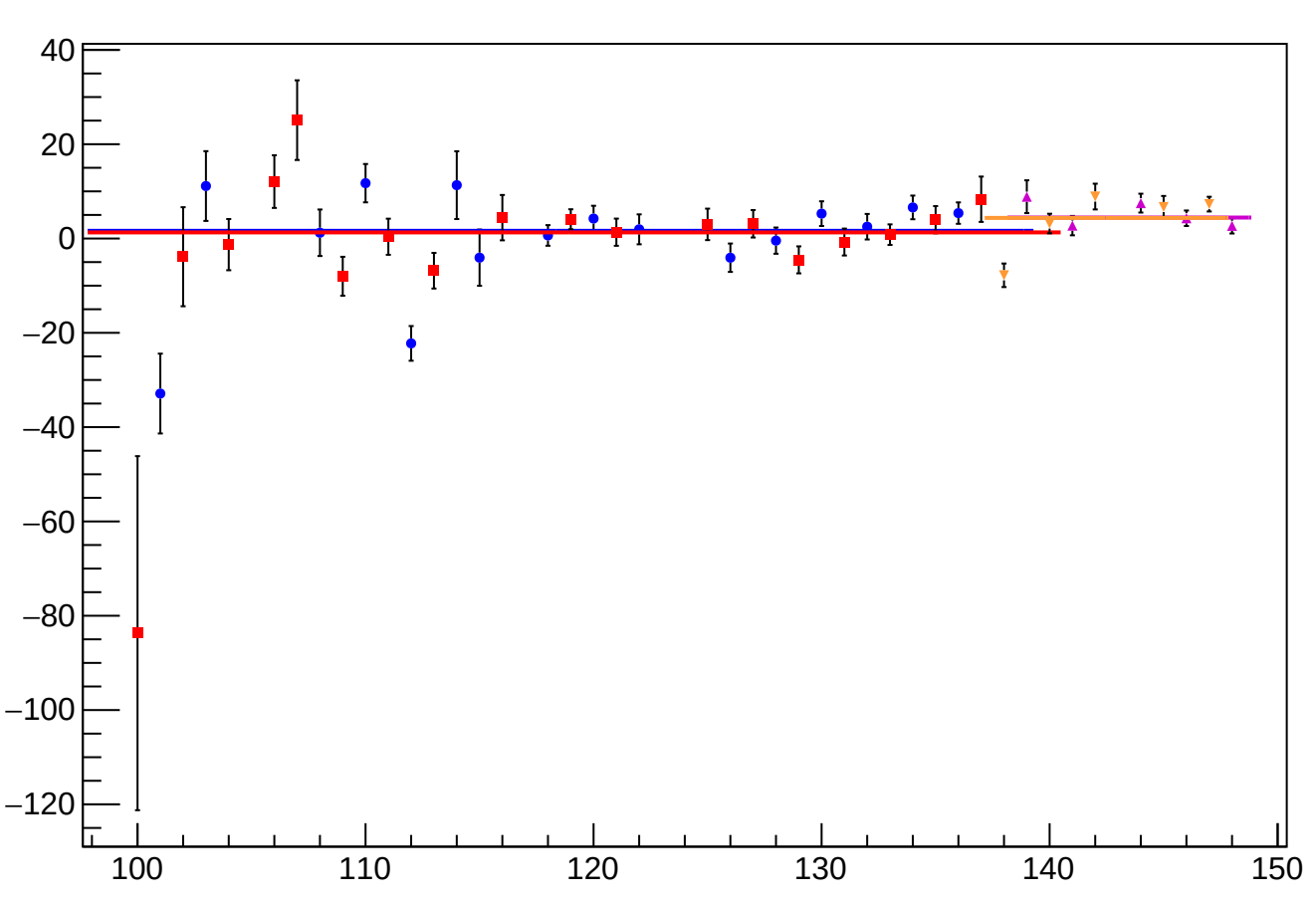
Left: -14.082+/-0.737 χ^2/NDF: 193.8/9

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -27.547+/-0.621 χ^2/NDF:2365.2/20

Out: -23.160+/-0.642 χ^2/NDF:3339.9/22

All: -25.426+/-0.446 χ^2/NDF: 5729.2/43



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.371+/-0.945 χ^2/NDF:31.3/4

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.446+/-0.870 χ^2/NDF:5.8/4

Left: 4.411+/-0.640 χ^2/NDF: 37.2/9

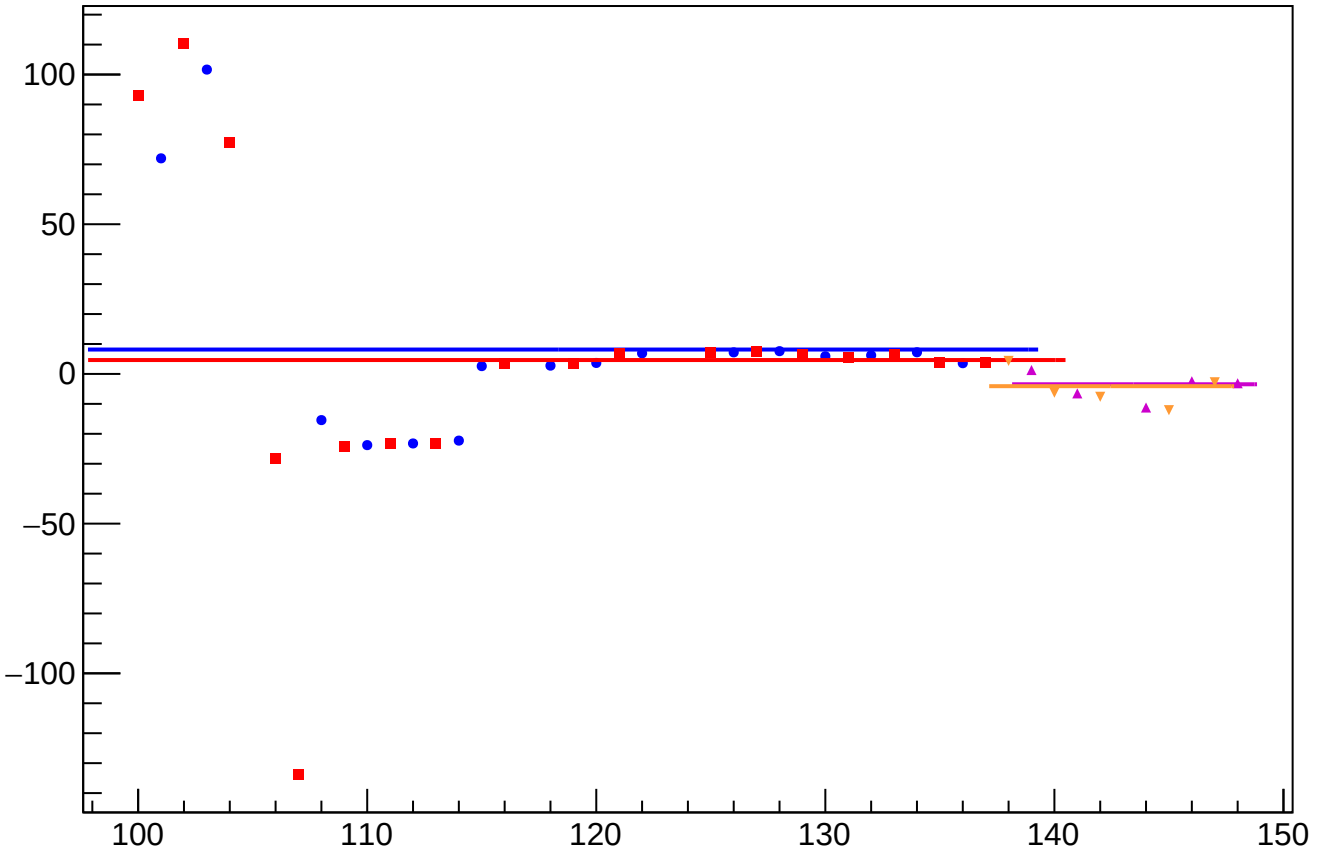
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.916+/-0.588 χ^2/NDF:94.8/20

Out: 2.612+/-0.618 χ^2/NDF:74.9/22

All: 2.771+/-0.426 χ^2/NDF: 169.9/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -4.093+/-0.045 χ^2/NDF:17927.8/4

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.455+/-0.041 χ^2/NDF:10492.2/4

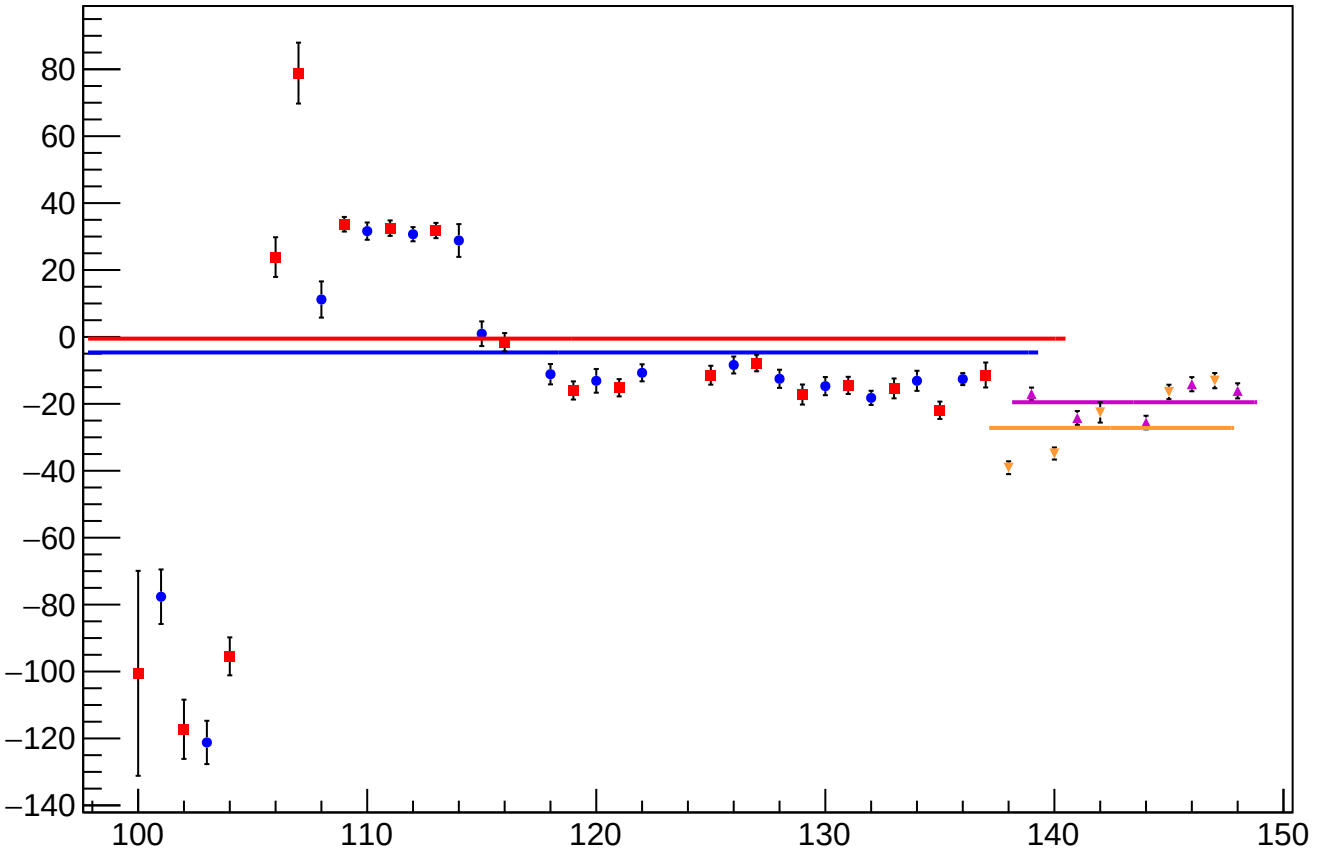
Left: -3.745+/-0.030 χ^2/NDF: 28530.6/9

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 1.372+/-0.031 χ^2/NDF:357430.0/20

Out: -0.351+/-0.034 χ^2/NDF:481037.4/22

All: 0.580+/-0.023 χ^2/NDF: 839867.8/43



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -27.193+/-0.959 χ^2/NDF:121.6/4

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.521+/-0.924 χ^2/NDF:24.5/4

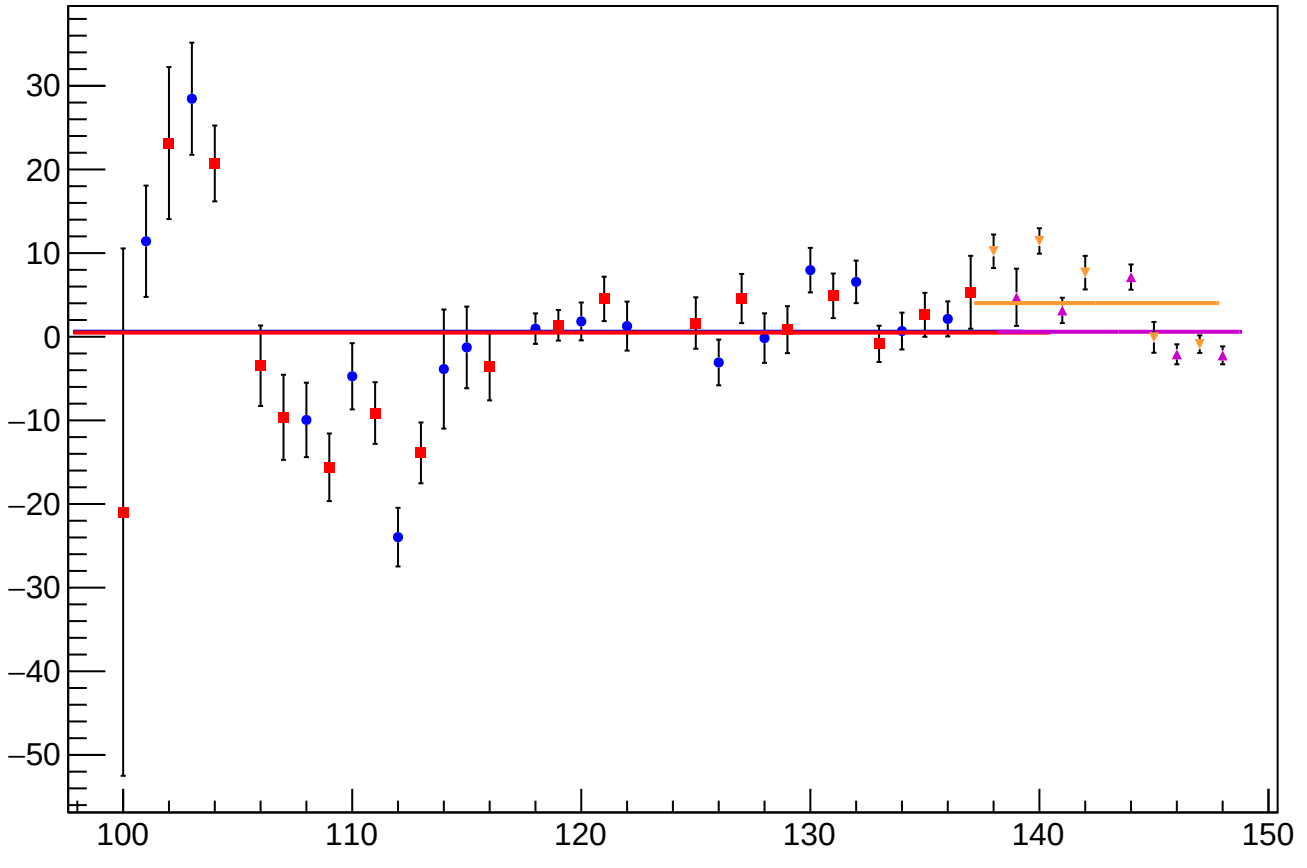
Left: -23.216+/-0.665 χ^2/NDF: 179.3/9

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -10.180+/-0.564 χ^2/NDF:1233.6/20

Out: -9.974+/-0.571 χ^2/NDF:2079.5/22

All: -10.078+/-0.401 χ^2/NDF: 3313.1/43



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 4.027+/-0.685 χ^2/NDF:63.6/4

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.595+/-0.629 χ^2/NDF:35.1/4

Left: 2.165+/-0.463 χ^2/NDF: 112.3/9

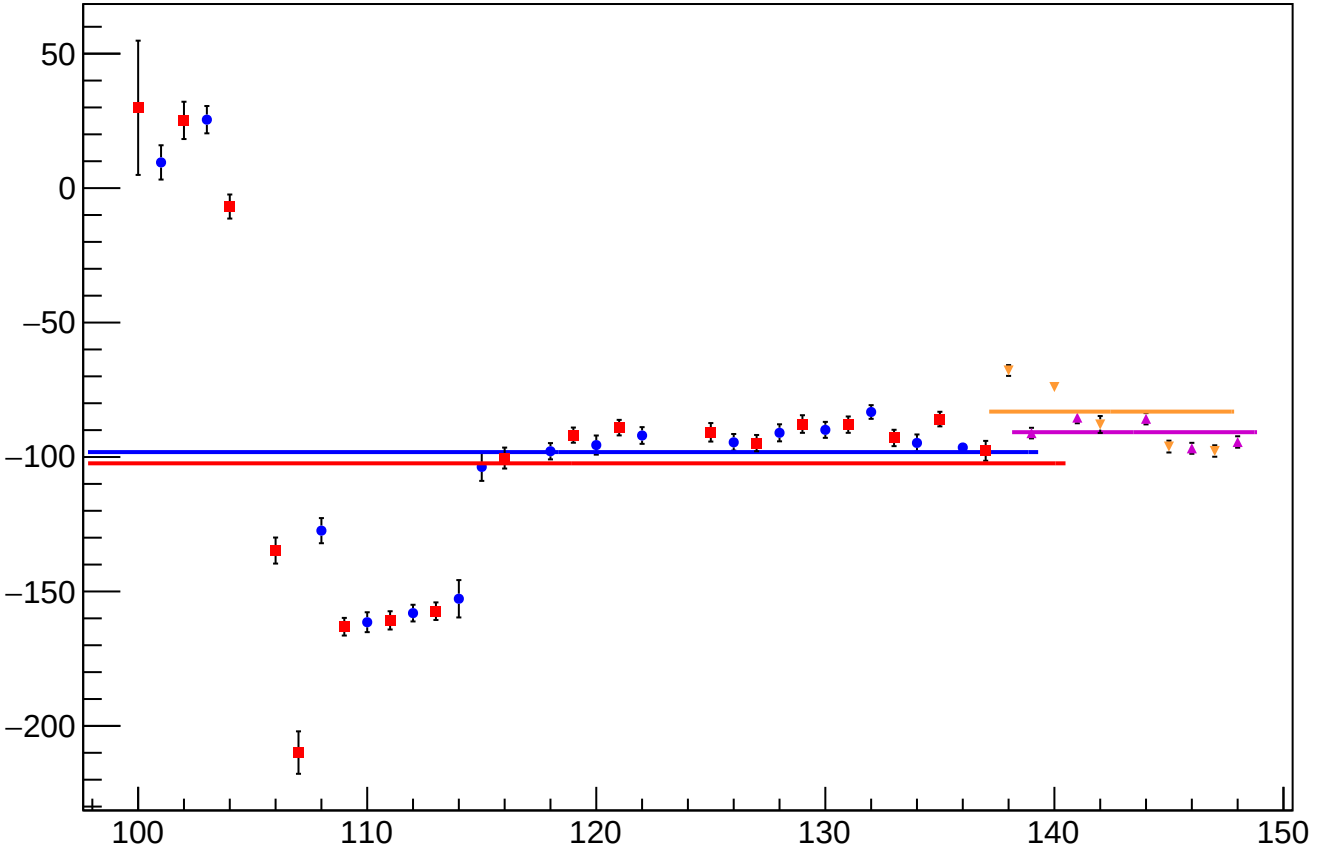
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.598+/-0.476 χ^2/NDF:128.0/20

Out: 2.434+/-0.507 χ^2/NDF:155.8/22

All: 1.457+/-0.347 χ^2/NDF: 290.7/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -83.112+/-0.970 χ^2/NDF:166.6/4

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.767+/-0.924 χ^2/NDF:23.9/4

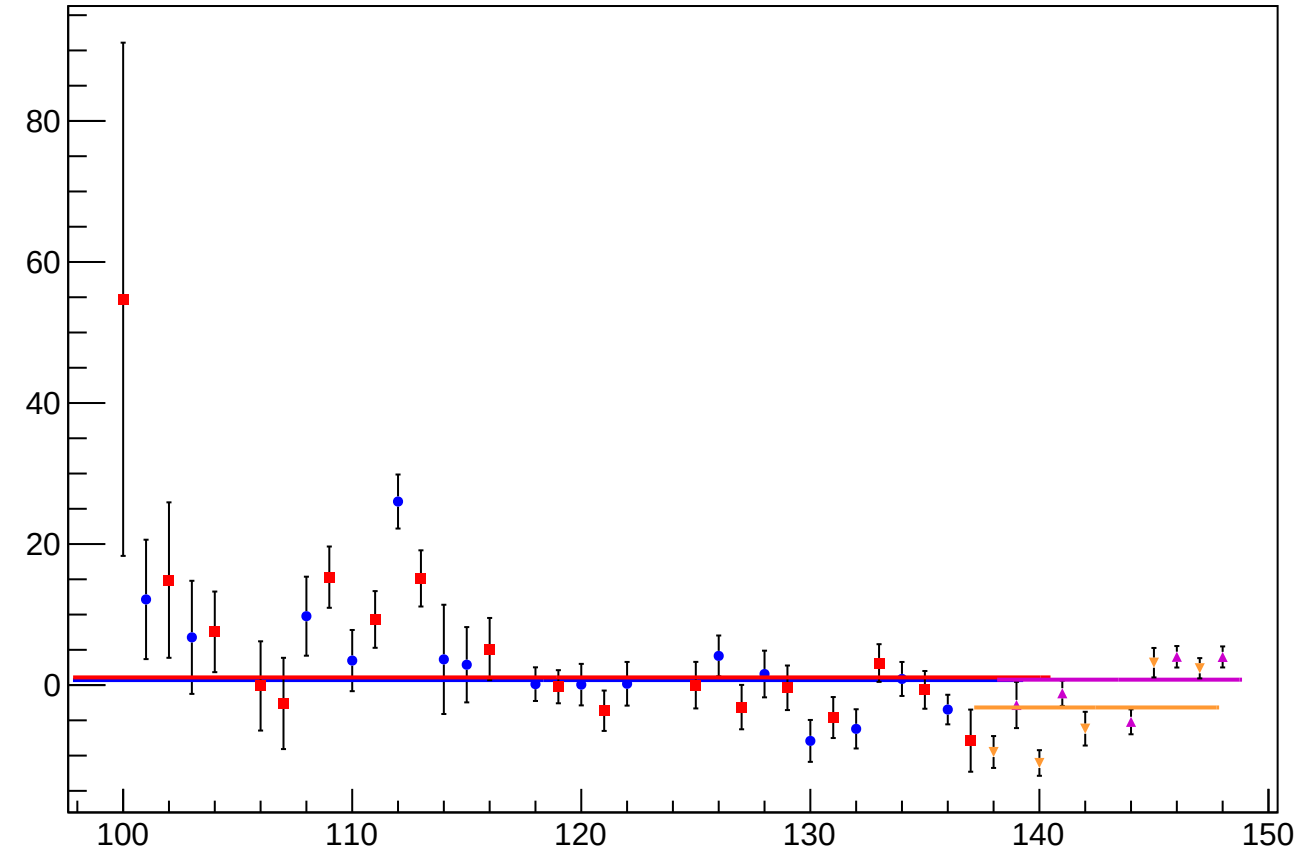
Left: -87.125+/-0.669 χ^2/NDF: 223.2/9

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -94.940+/-0.610 χ^2/NDF:1760.0/20

Out: -94.138+/-0.634 χ^2/NDF:2509.6/22

All: -94.554+/-0.440 χ^2/NDF: 4270.5/43



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.174+/-0.850 χ^2/NDF:52.3/4

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.768+/-0.790 χ^2/NDF:23.0/4

Left: -1.059+/-0.578 χ^2/NDF: 86.9/9

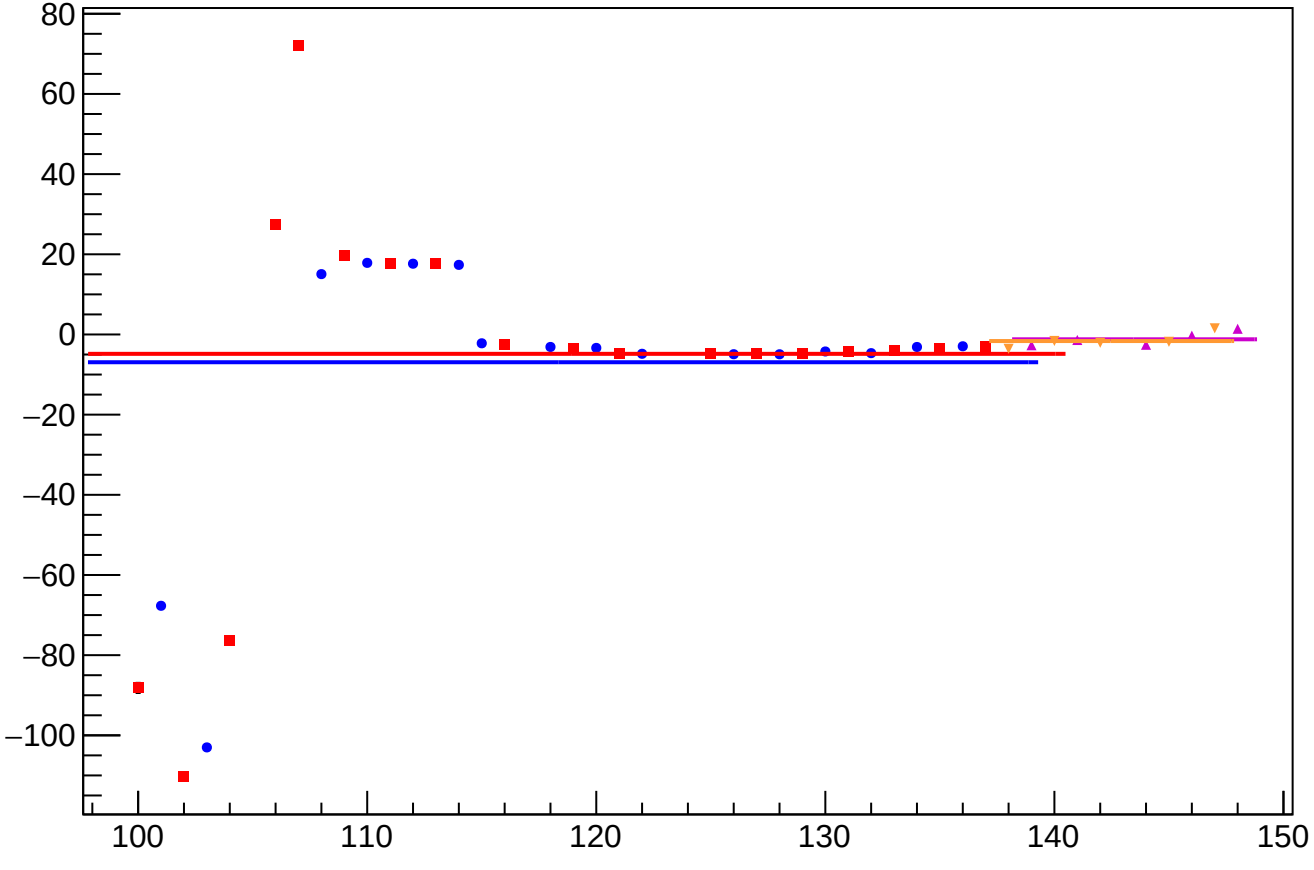
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.741+/-0.569 χ^2/NDF:92.7/20

Out: -1.060+/-0.603 χ^2/NDF:112.5/22

All: -0.108+/-0.414 χ^2/NDF: 209.8/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.641+/-0.040 χ^2/NDF:1740.0/4

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.205+/-0.037 χ^2/NDF:1704.7/4

Left: -1.405+/-0.027 χ^2/NDF: 3507.3/9

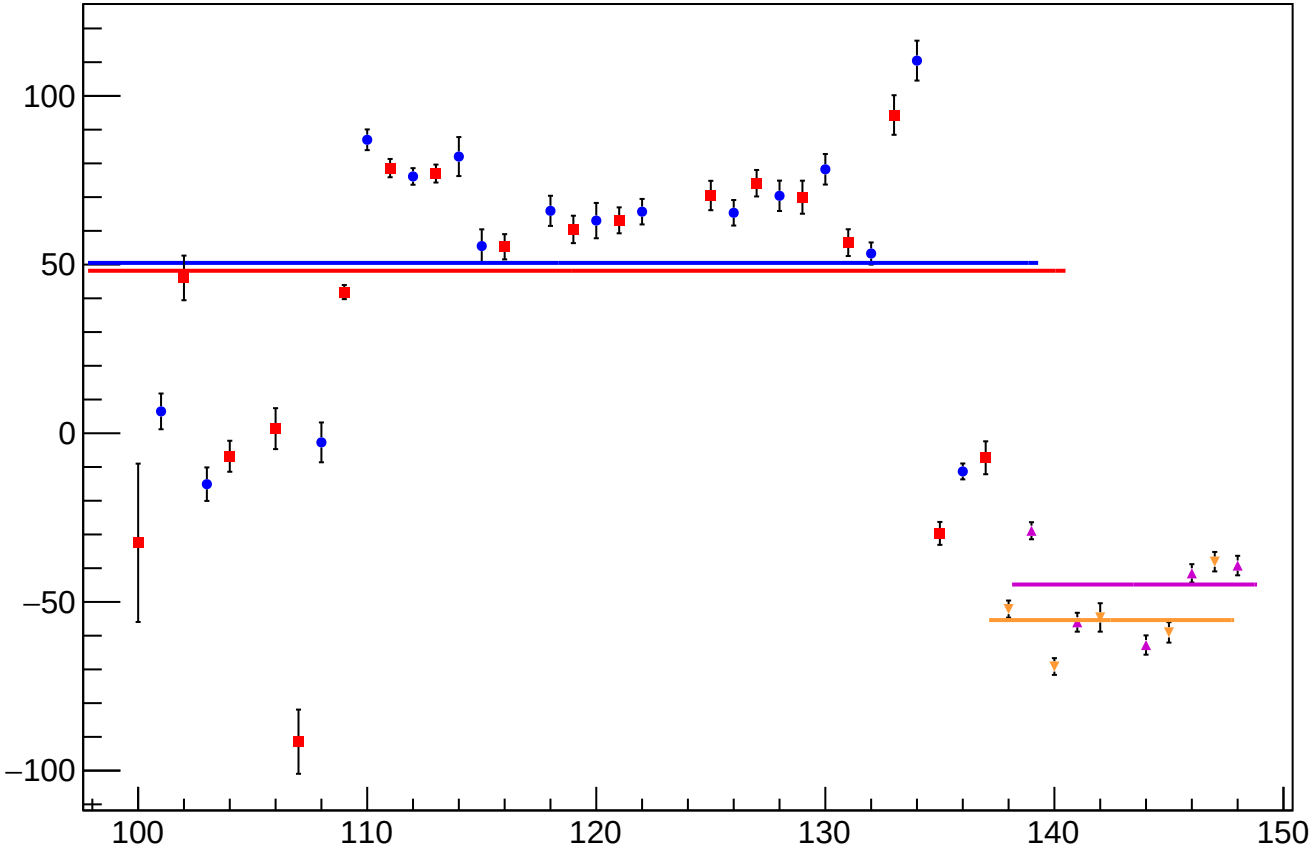
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -3.336+/-0.030 χ^2/NDF:275618.0/20

Out: -2.822+/-0.032 χ^2/NDF:343405.5/22

All: -3.100+/-0.022 χ^2/NDF: 619161.8/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -55.383+/-1.288 χ^2/NDF:69.9/4

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.836+/-1.230 χ^2/NDF:100.4/4

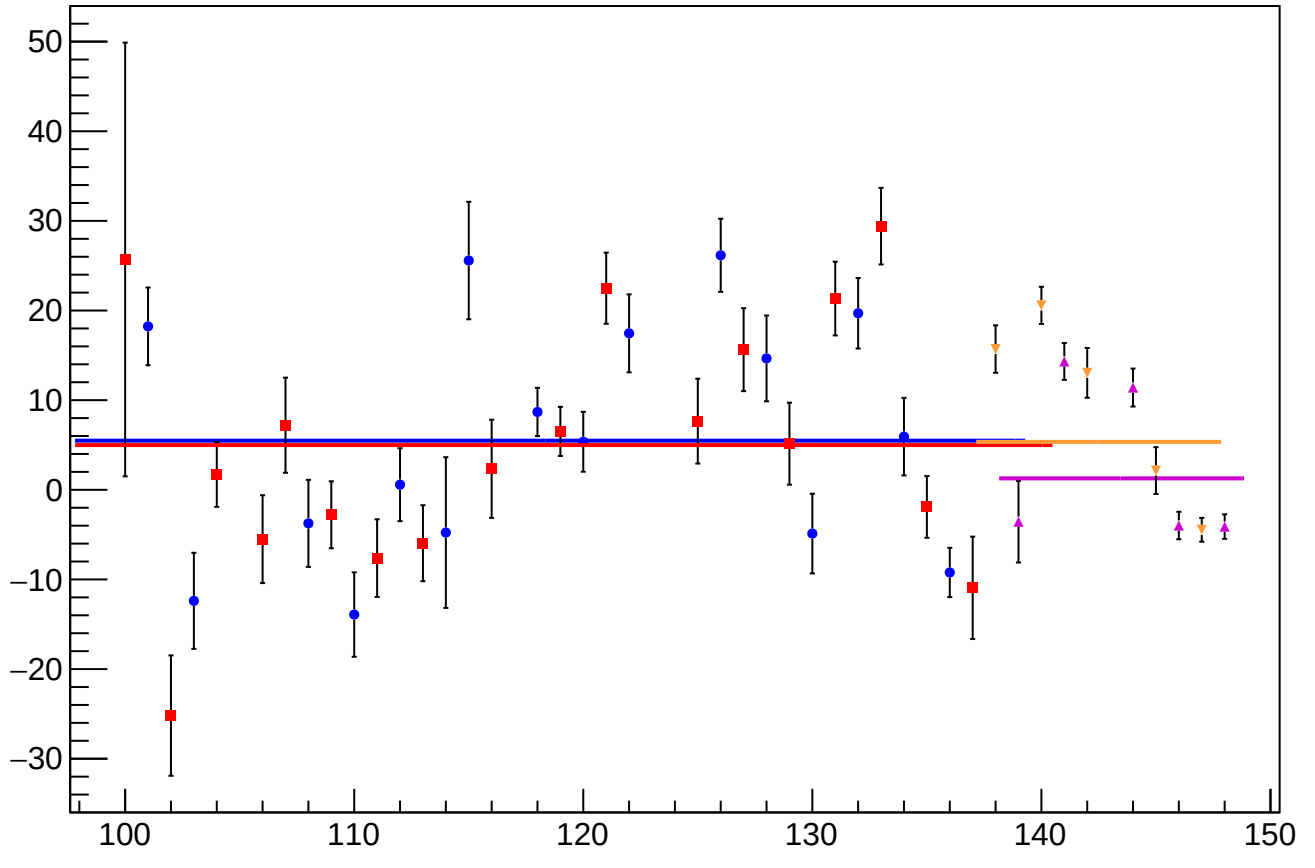
Left: -49.868+/-0.889 χ^2/NDF: 205.3/9

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 14.159+/-0.759 χ^2/NDF:5322.3/20

Out: 13.461+/-0.745 χ^2/NDF:5889.4/22

All: 13.803+/-0.532 χ^2/NDF: 11212.2/43



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 5.347+/-0.906 χ^2/NDF:133.0/4

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.276+/-0.825 χ^2/NDF:91.6/4

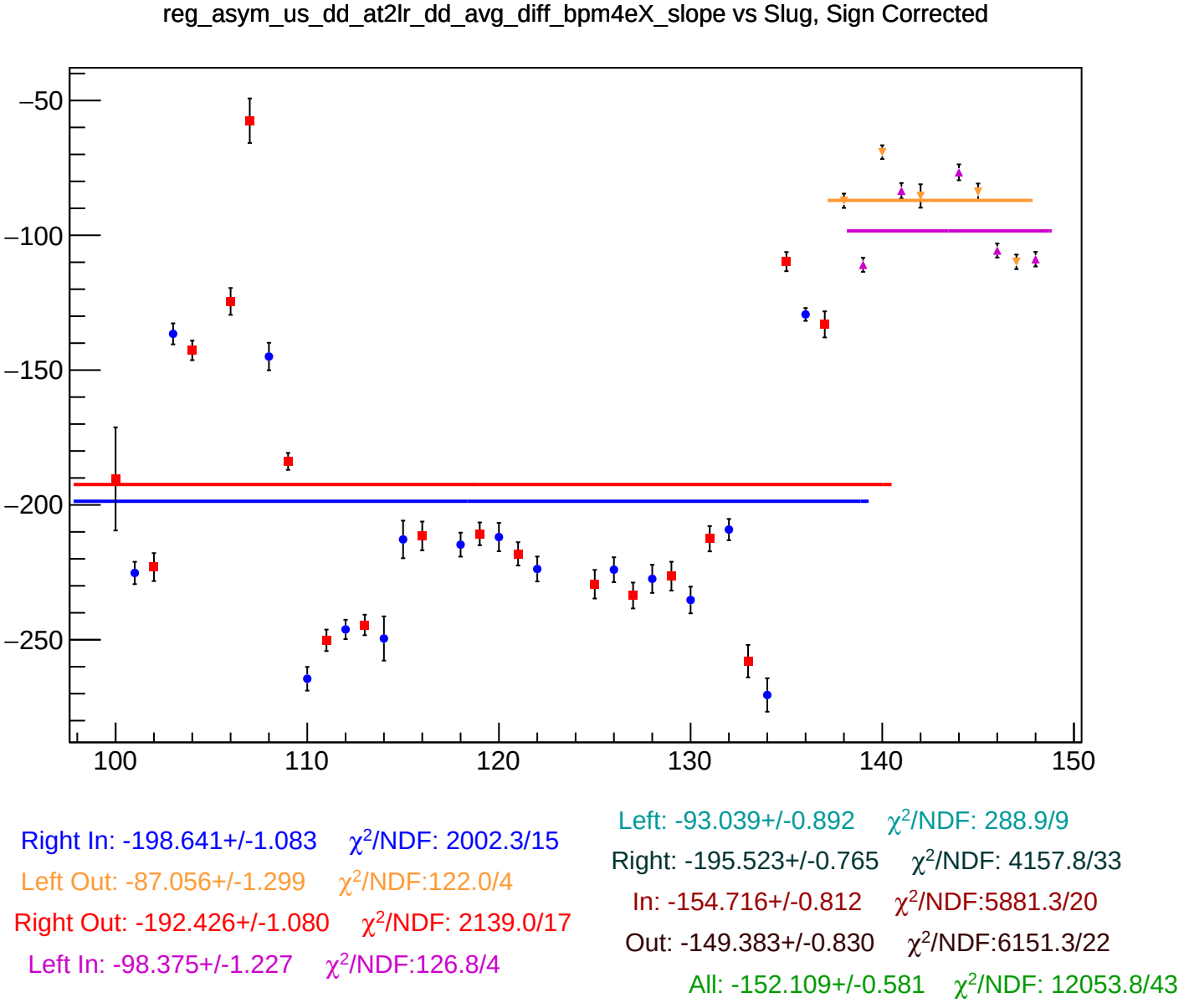
Left: 3.121+/-0.610 χ^2/NDF: 235.7/9

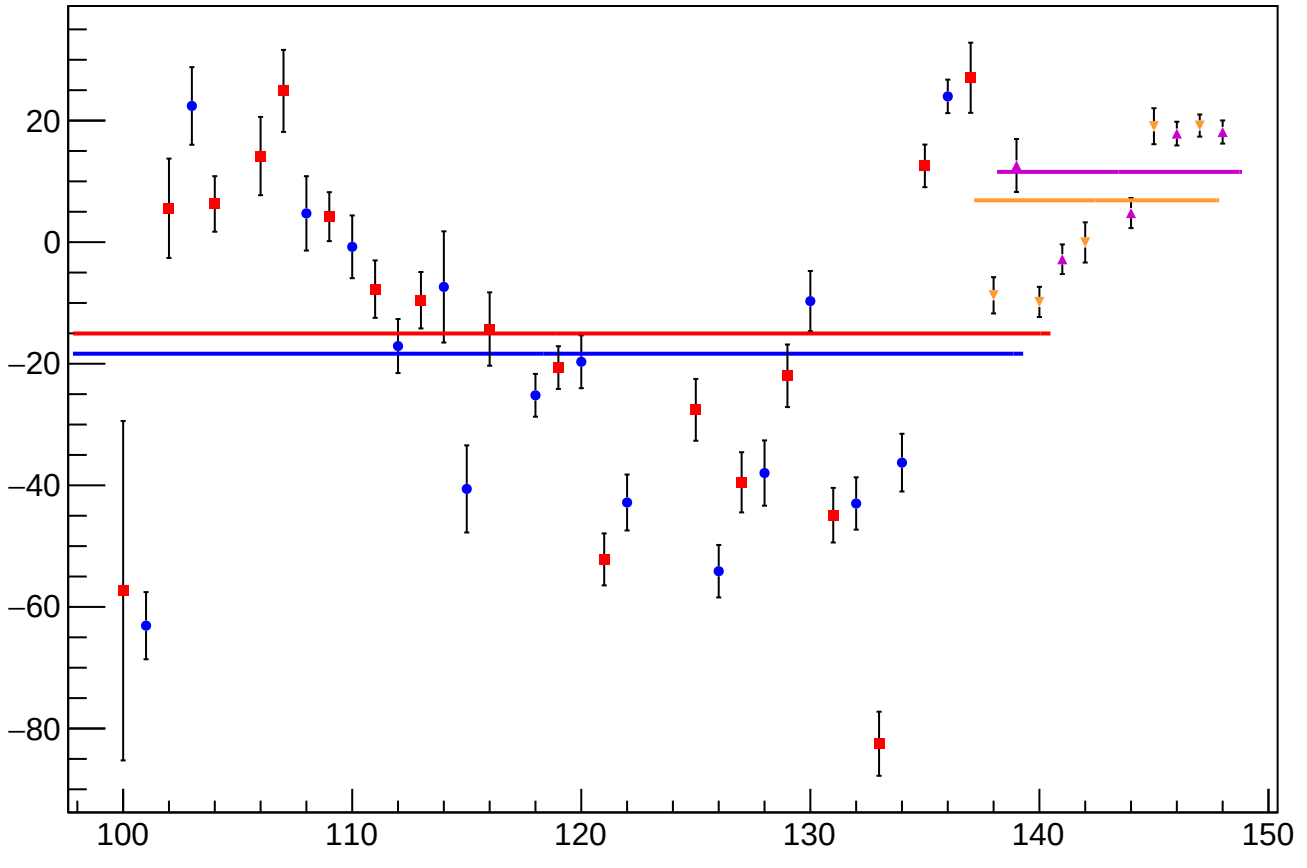
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.936+/-0.642 χ^2/NDF:240.1/20

Out: 5.191+/-0.678 χ^2/NDF:264.9/22

All: 4.001+/-0.466 χ^2/NDF: 510.8/43


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -87.056+/-1.299 χ²/NDF:122.0/4
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -98.375+/-1.227 χ²/NDF:126.8/4
Left: -93.039+/-0.892 χ²/NDF: 288.9/9
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -154.716+/-0.812 χ²/NDF:5881.3/20
Out: -149.383+/-0.830 χ²/NDF:6151.3/22
All: -152.109+/-0.581 χ²/NDF: 12053.8/43



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 6.881+/-1.131 χ^2/NDF:139.7/4

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 11.560+/-1.041 χ^2/NDF:64.6/4

Left: 9.414+/-0.766 χ^2/NDF: 213.5/9

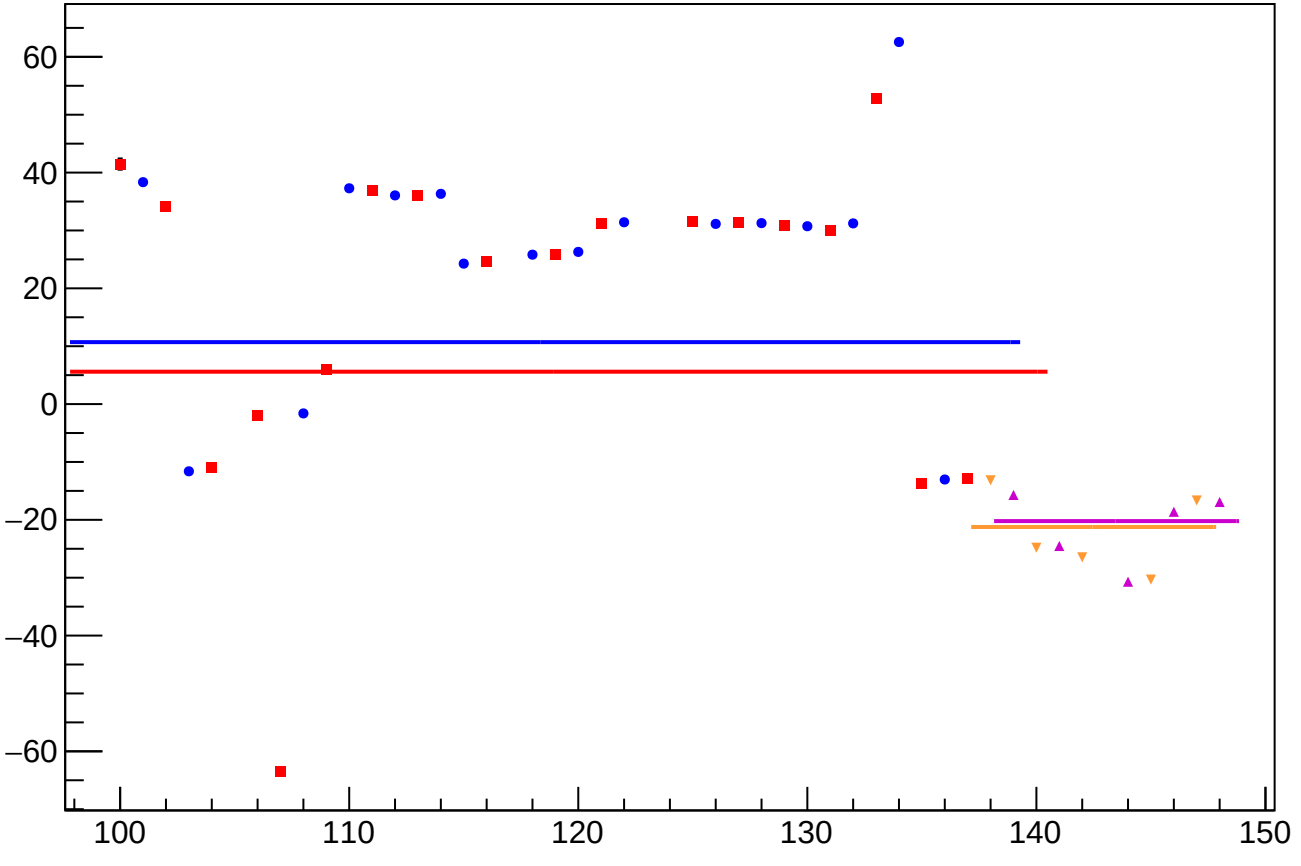
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -1.791+/-0.775 χ^2/NDF:976.9/20

Out: -3.777+/-0.810 χ^2/NDF:868.6/22

All: -2.739+/-0.560 χ^2/NDF: 1848.6/43

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: -21.238+/-0.054 χ^2/NDF:14905.5/4

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -20.219+/-0.050 χ^2/NDF:11083.1/4

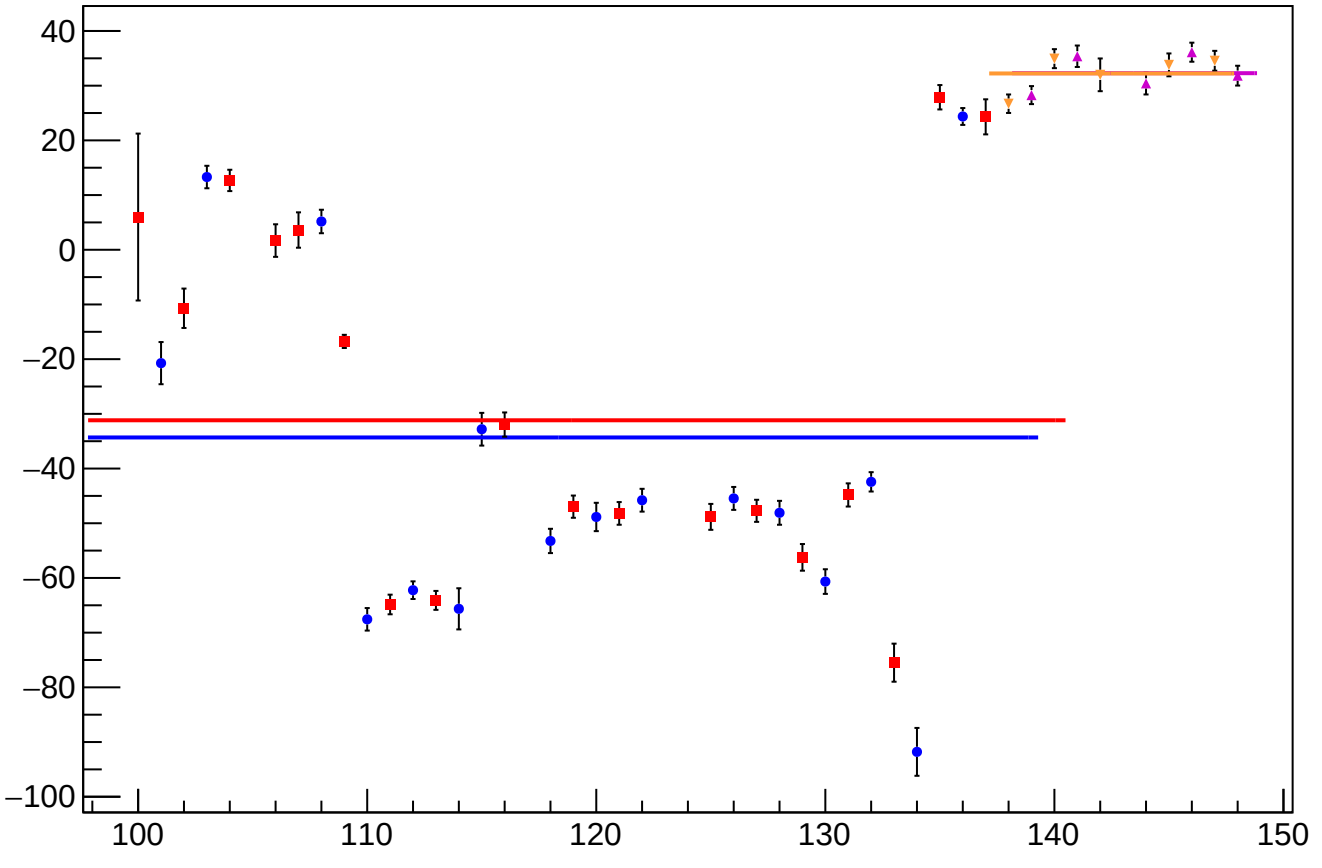
Left: -20.683+/-0.037 χ^2/NDF: 26180.7/9

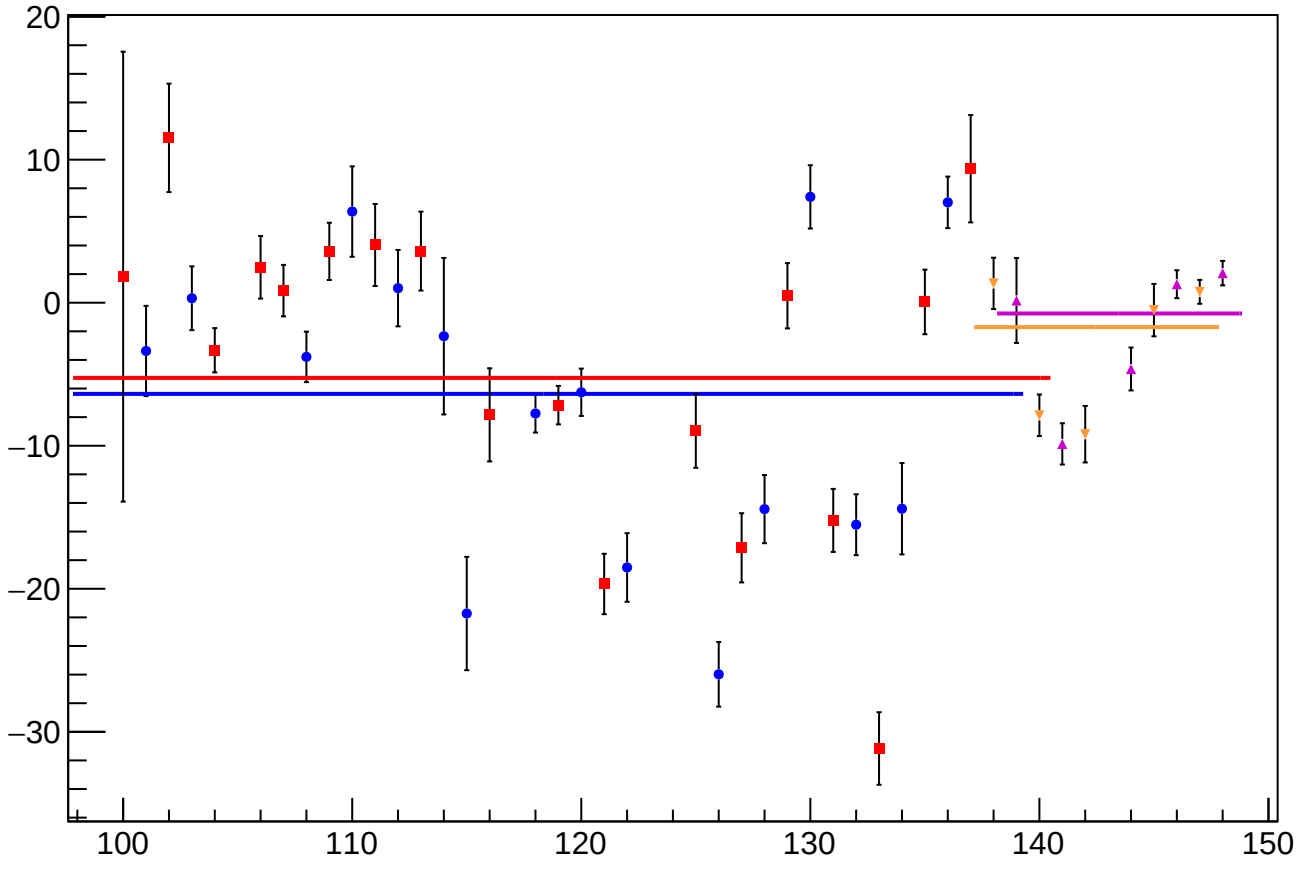
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -8.369+/-0.039 χ^2/NDF:325008.7/20

Out: -9.932+/-0.041 χ^2/NDF:272827.6/22

All: -9.105+/-0.028 χ^2/NDF: 598594.6/43


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 32.233+/-0.868 χ²/NDF:15.4/4
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 32.284+/-0.814 χ²/NDF:14.2/4
Left: 32.260+/-0.594 χ²/NDF: 29.5/9
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: -13.574+/-0.455 χ²/NDF:8118.1/20
Out: -14.636+/-0.443 χ²/NDF:7158.5/22
All: -14.118+/-0.317 χ²/NDF: 15279.4/43



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.706+/-0.601 χ^2/NDF:44.4/4

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.754+/-0.538 χ^2/NDF:62.0/4

Left: -1.178+/-0.401 χ^2/NDF: 107.8/9

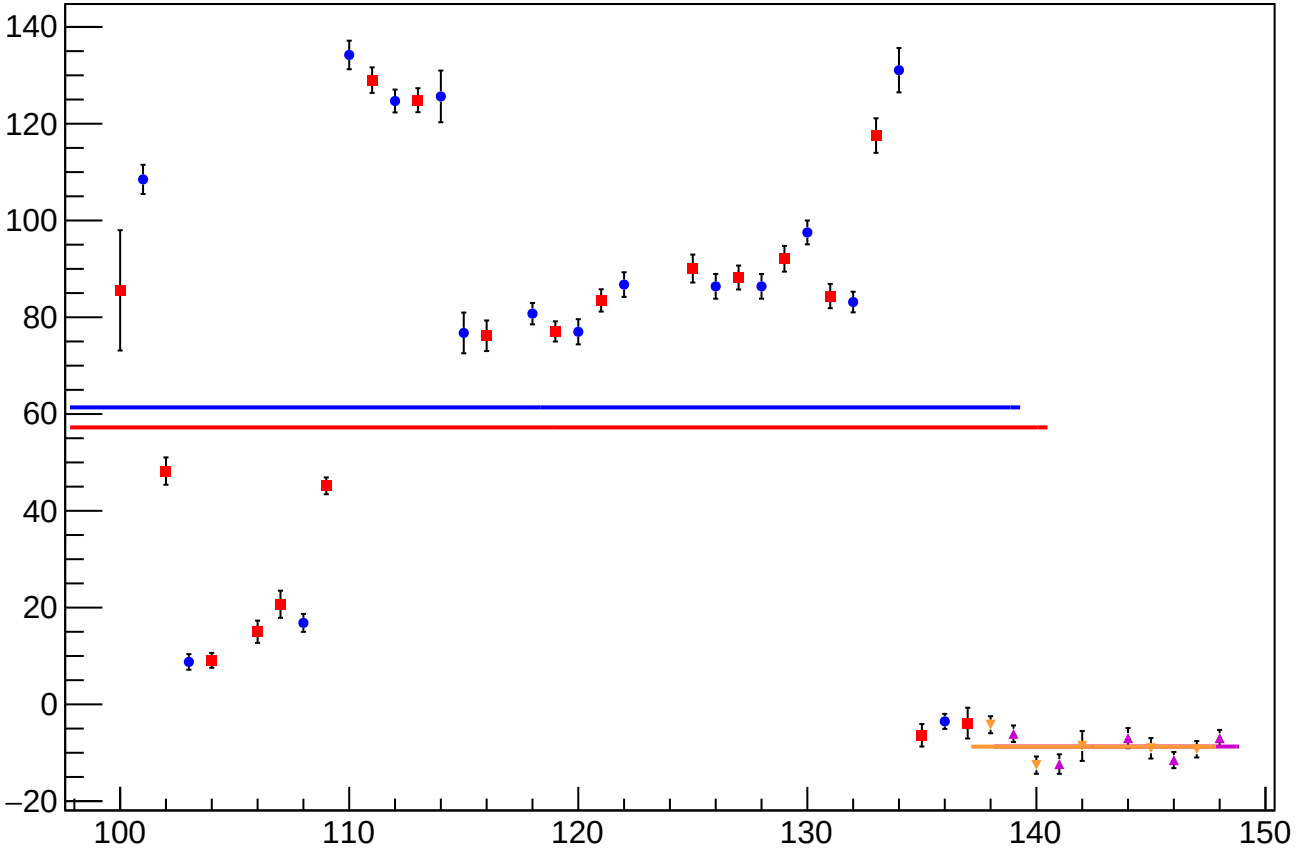
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -3.485+/-0.386 χ^2/NDF:398.6/20

Out: -3.694+/-0.398 χ^2/NDF:376.9/22

All: -3.586+/-0.277 χ^2/NDF: 775.7/43

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: -8.732+/-0.873 χ^2/NDF:11.3/4

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.714+/-0.810 χ^2/NDF:10.2/4

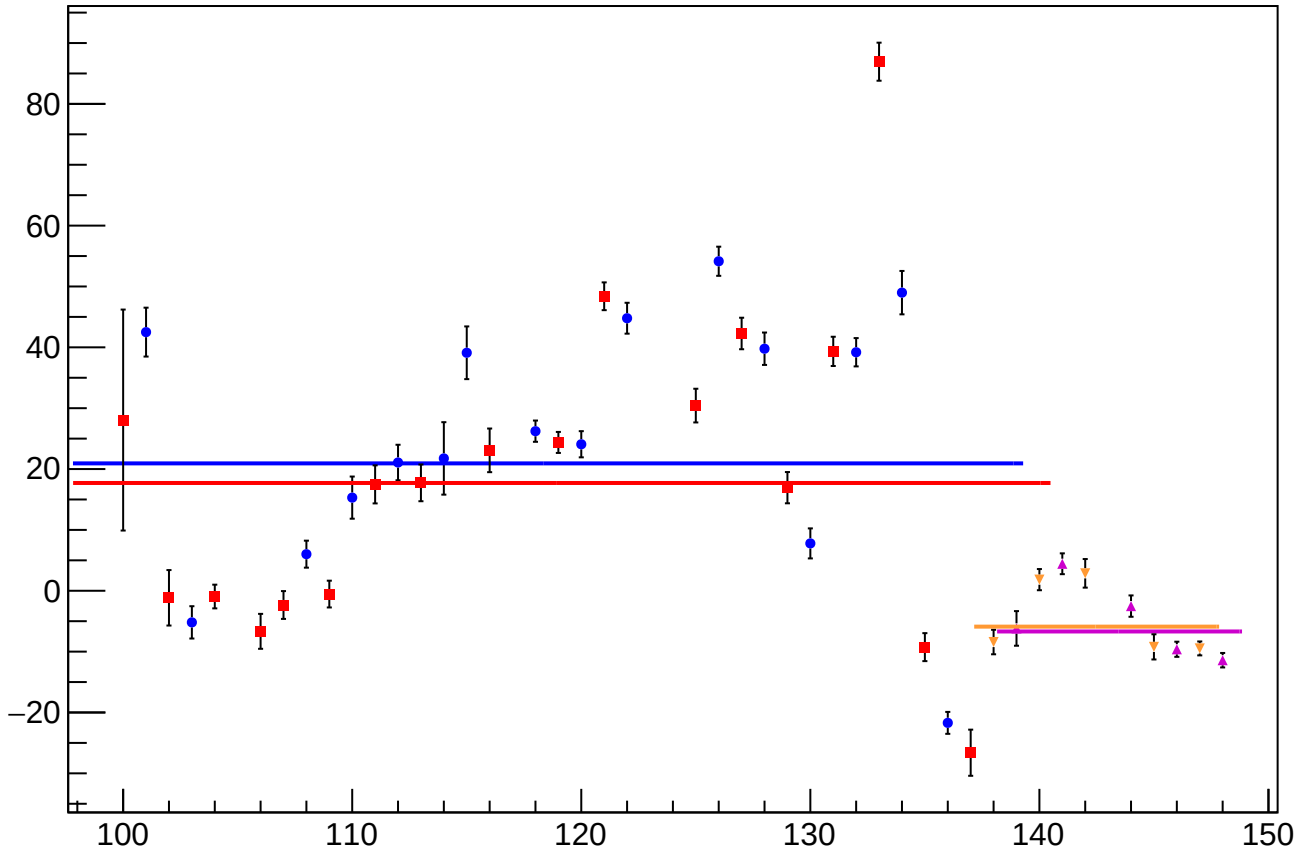
Left: -8.722+/-0.594 χ^2/NDF: 21.4/9

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 36.850+/-0.479 χ^2/NDF:10944.2/20

Out: 37.026+/-0.483 χ^2/NDF:9240.3/22

All: 36.937+/-0.340 χ^2/NDF: 20184.6/43



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -5.894+/-0.755 χ^2/NDF:47.6/4

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.689+/-0.683 χ^2/NDF:69.3/4

Left: -6.331+/-0.507 χ^2/NDF: 117.4/9

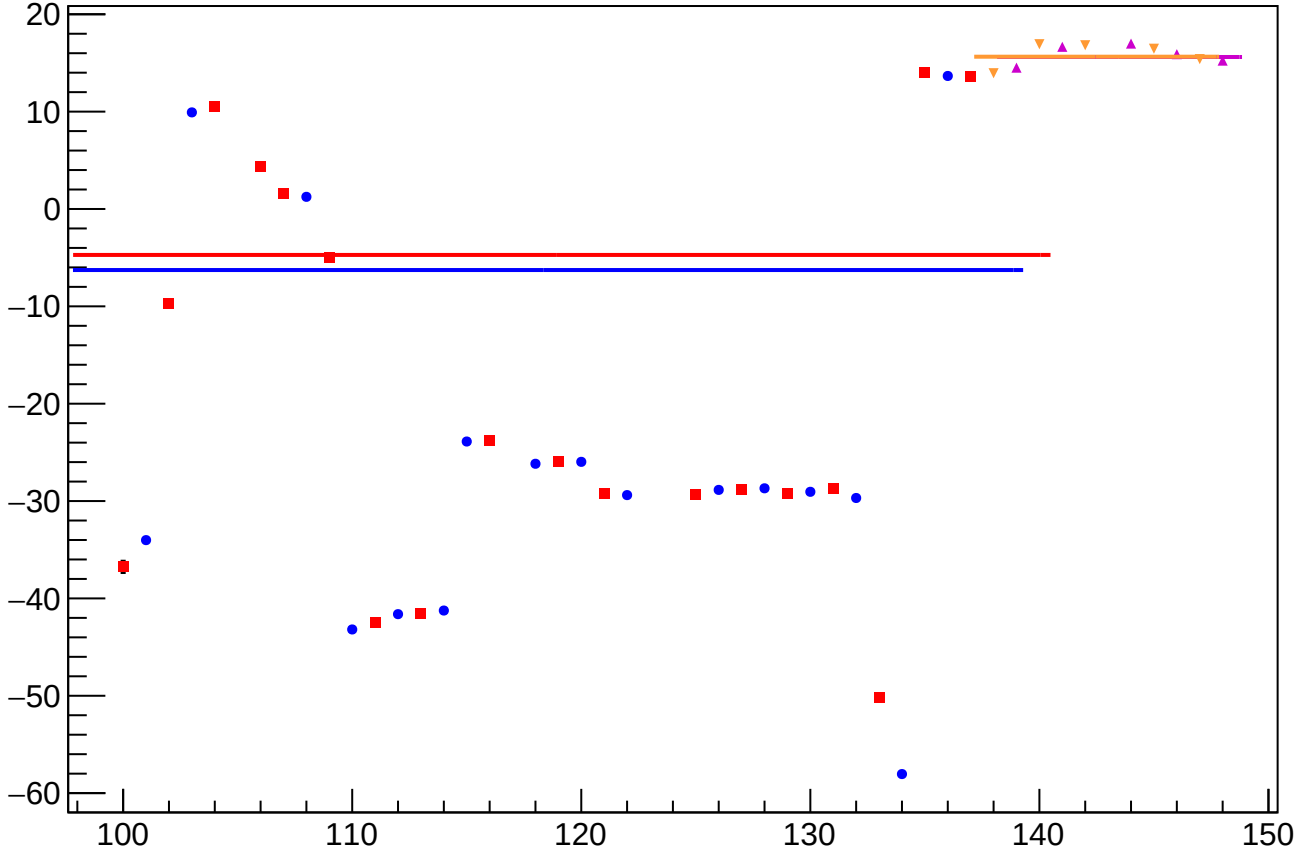
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 8.020+/-0.467 χ^2/NDF:2184.9/20

Out: 8.234+/-0.478 χ^2/NDF:2115.0/22

All: 8.125+/-0.334 χ^2/NDF: 4299.9/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.641+/-0.036 χ^2/NDF:1057.7/4

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.611+/-0.033 χ^2/NDF:747.9/4

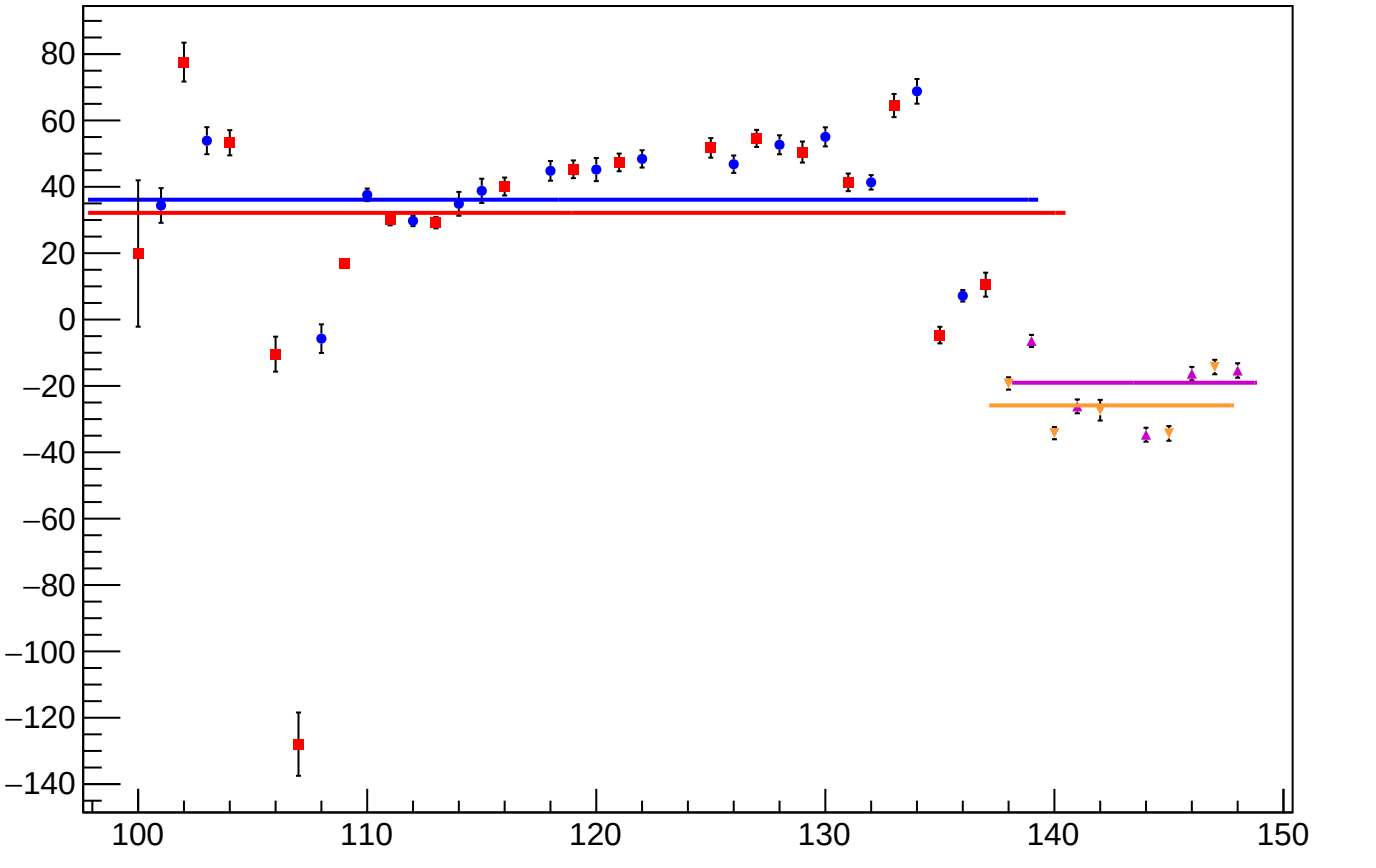
Left: 15.624+/-0.024 χ^2/NDF: 1806.0/9

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 4.929+/-0.023 χ^2/NDF:630692.4/20

Out: 4.660+/-0.025 χ^2/NDF:476002.9/22

All: 4.802+/-0.017 χ^2/NDF: 1106757.9/43



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -25.867+/-0.956 χ^2/NDF:75.8/4

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.032+/-0.912 χ^2/NDF:118.7/4

Left: -22.290+/-0.660 χ^2/NDF: 221.3/9

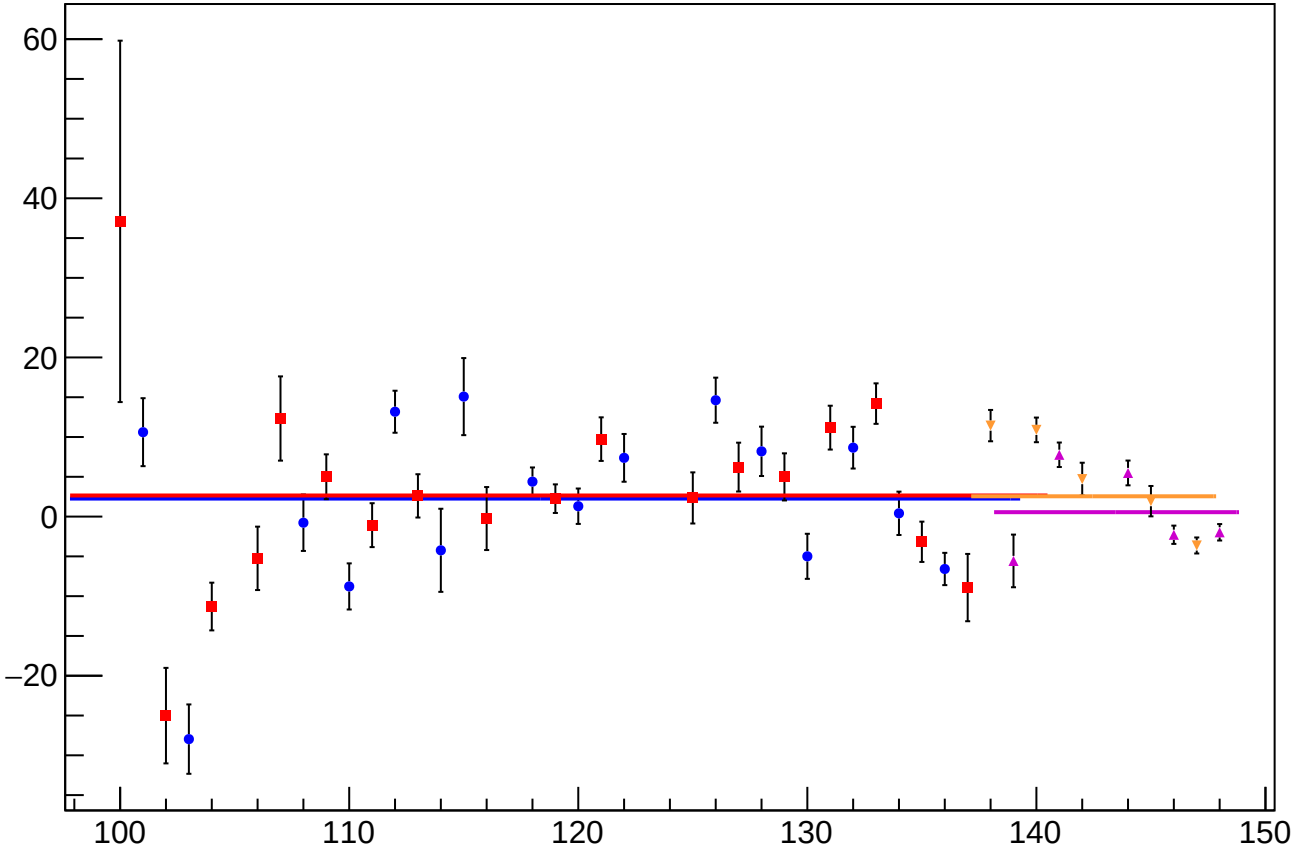
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 17.295+/-0.533 χ^2/NDF:3150.7/20

Out: 14.548+/-0.526 χ^2/NDF:3758.3/22

All: 15.905+/-0.374 χ^2/NDF: 6922.5/43

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: 2.551+/-0.678 χ^2/NDF:88.4/4

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.555+/-0.618 χ^2/NDF:47.5/4

Left: 1.460+/-0.457 χ^2/NDF: 140.6/9

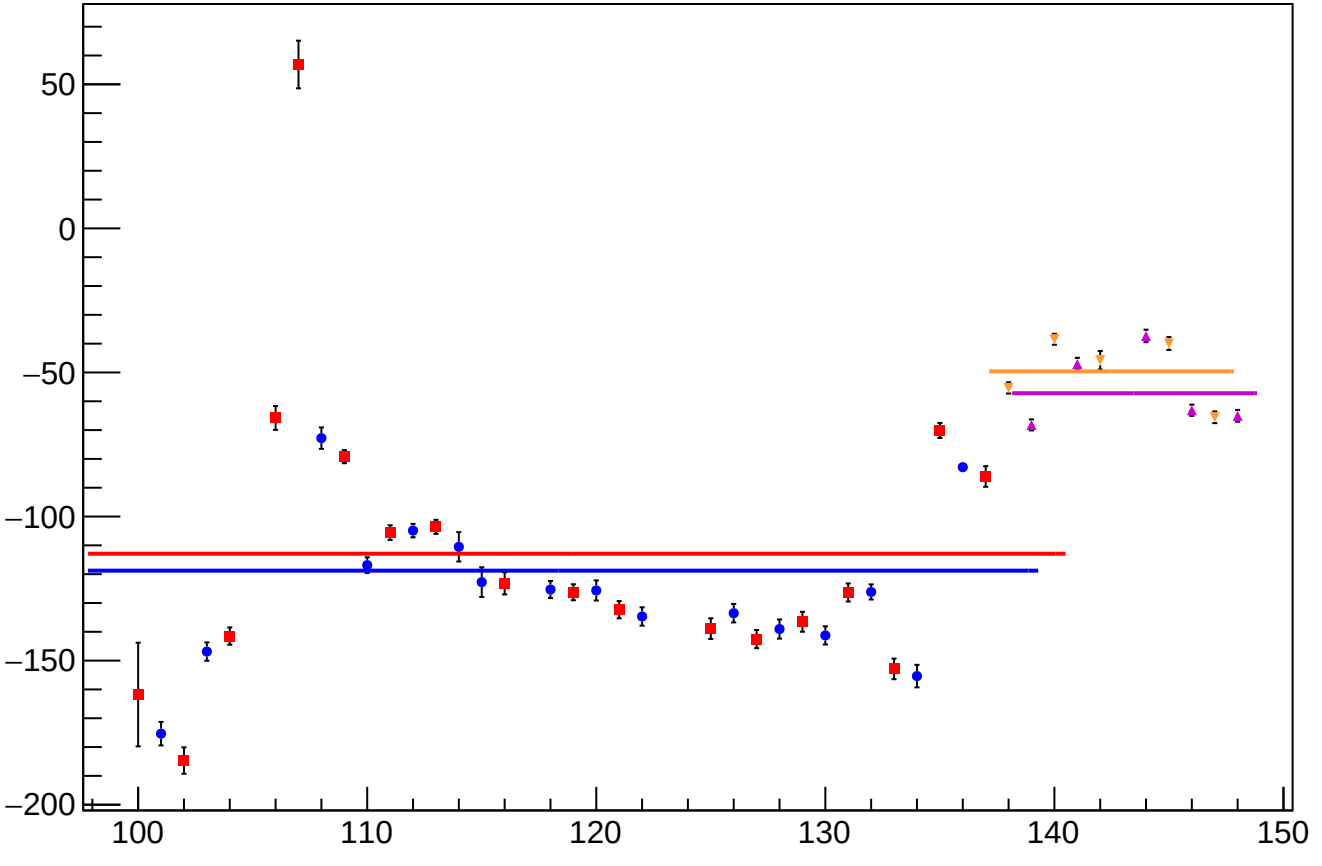
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.301+/-0.464 χ^2/NDF:202.9/20

Out: 2.598+/-0.492 χ^2/NDF:195.6/22

All: 1.911+/-0.337 χ^2/NDF: 402.2/43

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: -49.615+/-0.965 χ^2/NDF:124.1/4

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.198+/-0.911 χ^2/NDF:163.6/4

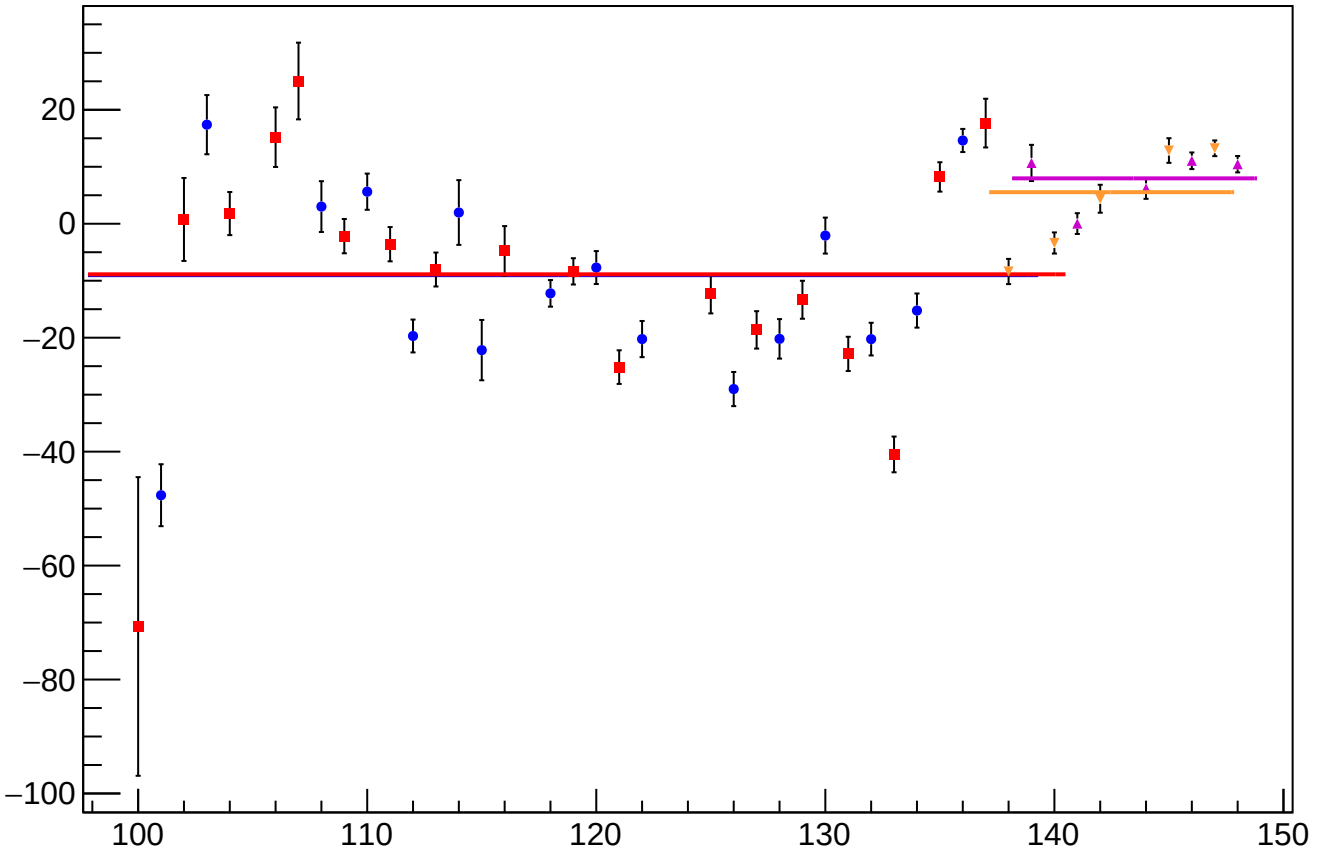
Left: -53.626+/-0.662 χ^2/NDF: 320.3/9

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -93.622+/-0.582 χ^2/NDF:3987.6/20

Out: -88.638+/-0.598 χ^2/NDF:4638.3/22

All: -91.196+/-0.417 χ^2/NDF: 8661.6/43



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 5.538+/-0.844 χ^2/NDF:105.6/4

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.965+/-0.778 χ^2/NDF:28.0/4

Left: 6.851+/-0.572 χ^2/NDF: 138.1/9

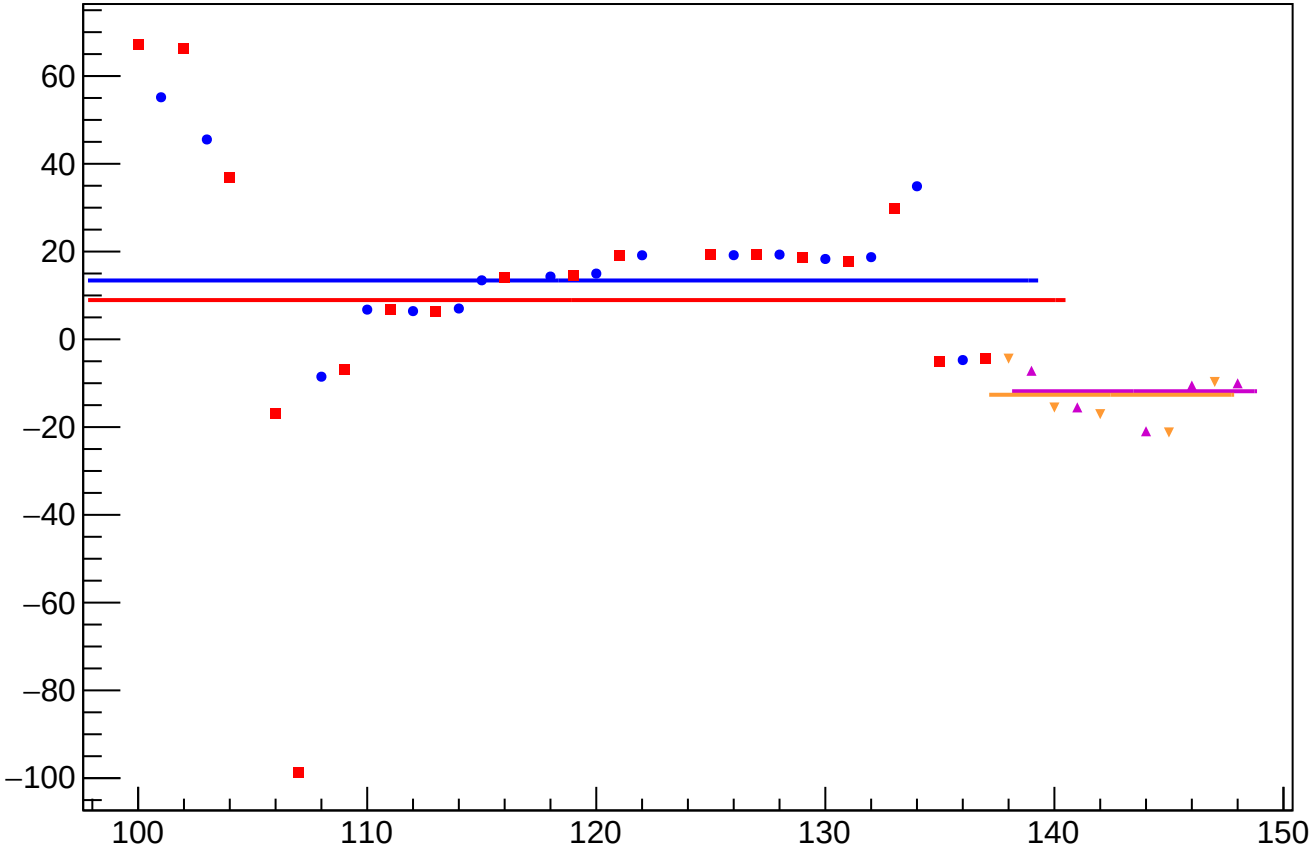
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -0.334+/-0.556 χ^2/NDF:619.2/20

Out: -1.966+/-0.585 χ^2/NDF:576.1/22

All: -1.109+/-0.403 χ^2/NDF: 1199.3/43

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: -12.632+/-0.040 χ^2/NDF:24217.9/4

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.829+/-0.037 χ^2/NDF:16023.4/4

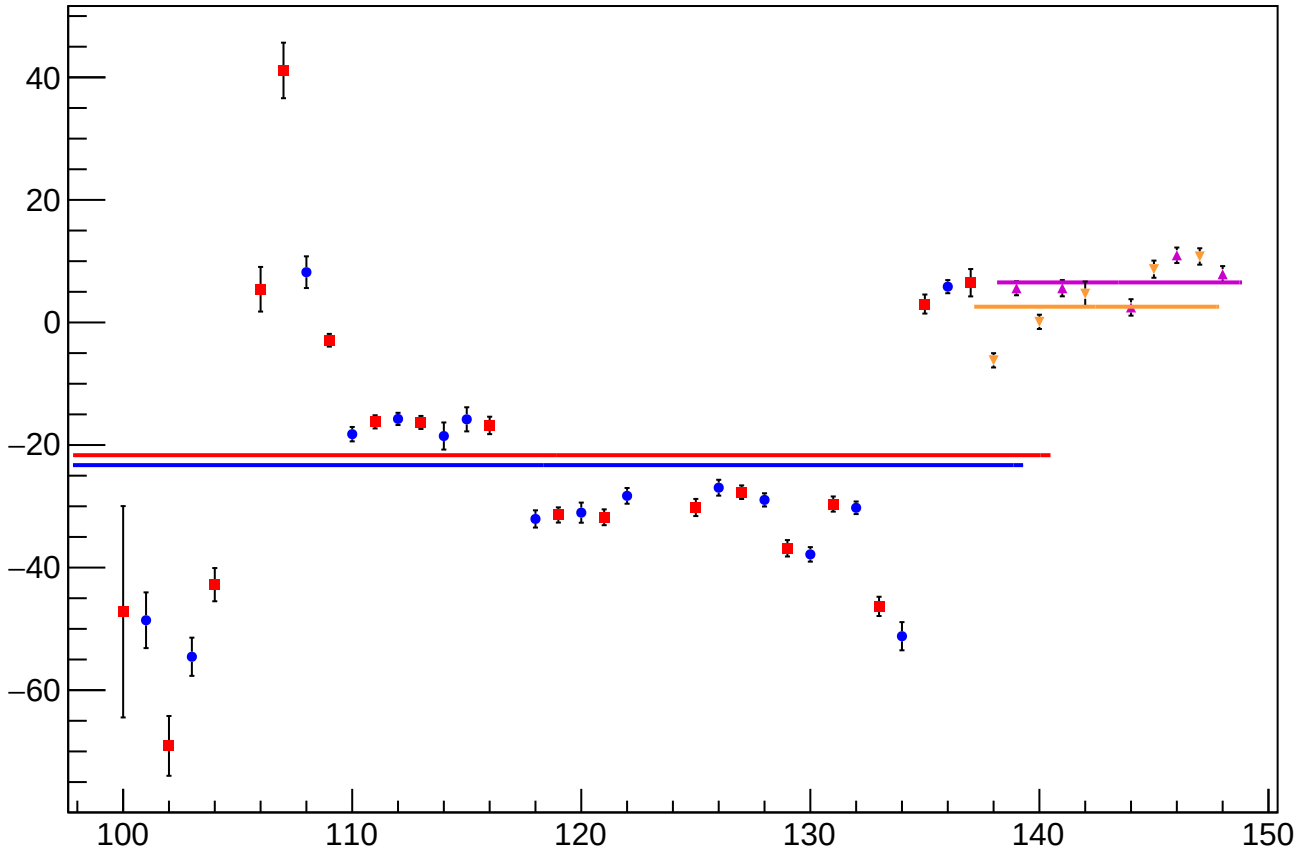
Left: -12.194+/-0.027 χ^2/NDF: 40458.2/9

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -1.806+/-0.029 χ^2/NDF:387068.1/20

Out: -3.597+/-0.031 χ^2/NDF:435761.6/22

All: -2.637+/-0.021 χ^2/NDF: 824656.4/43



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 2.571+/-0.599 χ^2/NDF:118.5/4

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.534+/-0.569 χ^2/NDF:23.7/4

Left: 4.652+/-0.413 χ^2/NDF: 165.3/9

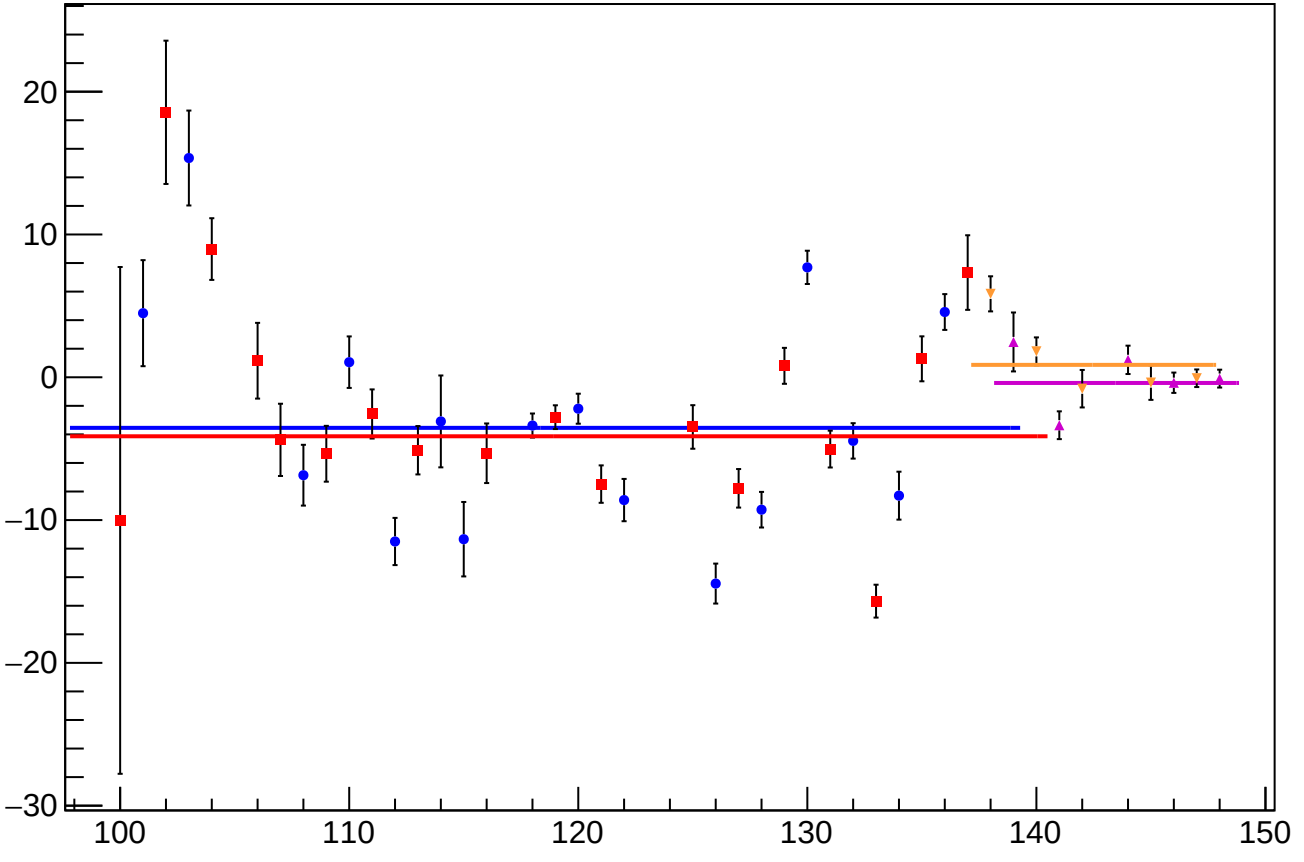
Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -15.089+/-0.298 χ^2/NDF:3580.9/20

Out: -15.556+/-0.300 χ^2/NDF:3158.0/22

All: -15.321+/-0.212 χ^2/NDF: 6740.2/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.869+/-0.422 χ^2/NDF:22.3/4

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.398+/-0.382 χ^2/NDF:14.1/4

Left: 0.173+/-0.283 χ^2/NDF: 41.3/9

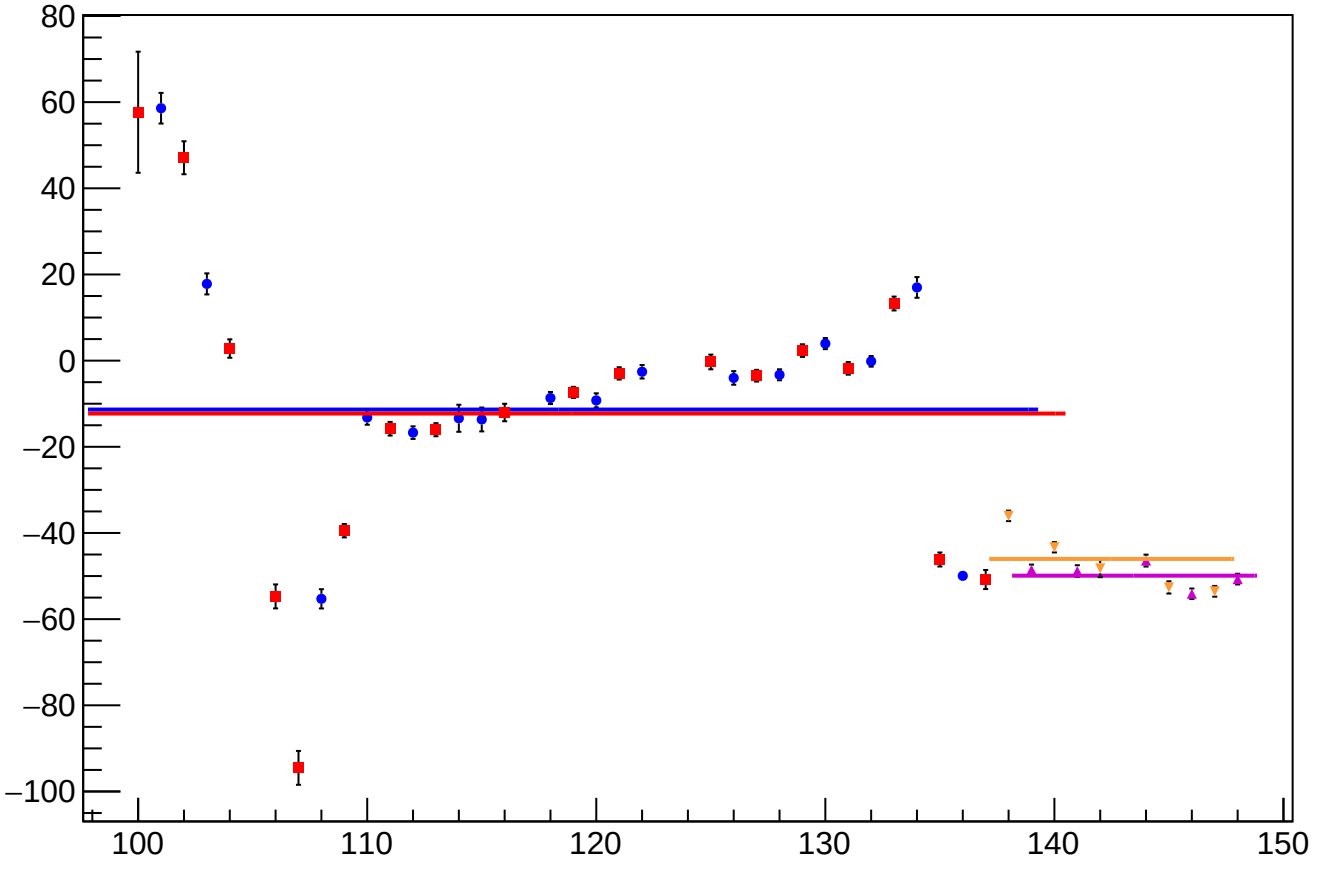
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.053+/-0.263 χ^2/NDF:366.4/20

Out: -1.955+/-0.279 χ^2/NDF:329.0/22

All: -2.007+/-0.191 χ^2/NDF: 695.5/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -46.024+/-0.604 χ^2/NDF:131.3/4

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.910+/-0.568 χ^2/NDF:20.8/4

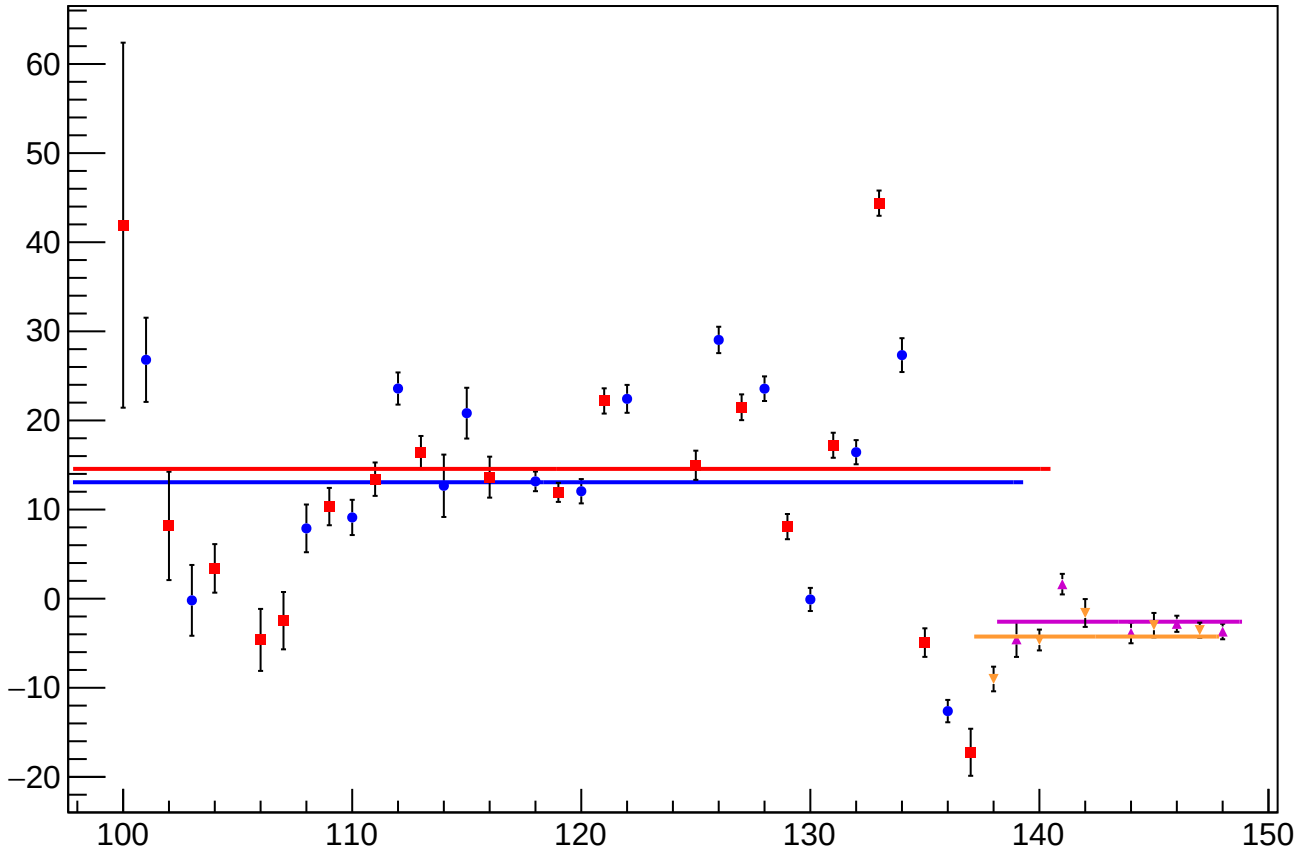
Left: -48.087+/-0.414 χ^2/NDF: 174.1/9

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -24.385+/-0.330 χ^2/NDF:5734.9/20

Out: -23.037+/-0.341 χ^2/NDF:4848.0/22

All: -23.733+/-0.237 χ^2/NDF: 10590.9/43



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.251+/-0.527 χ^2/NDF:16.4/4

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.587+/-0.483 χ^2/NDF:17.2/4

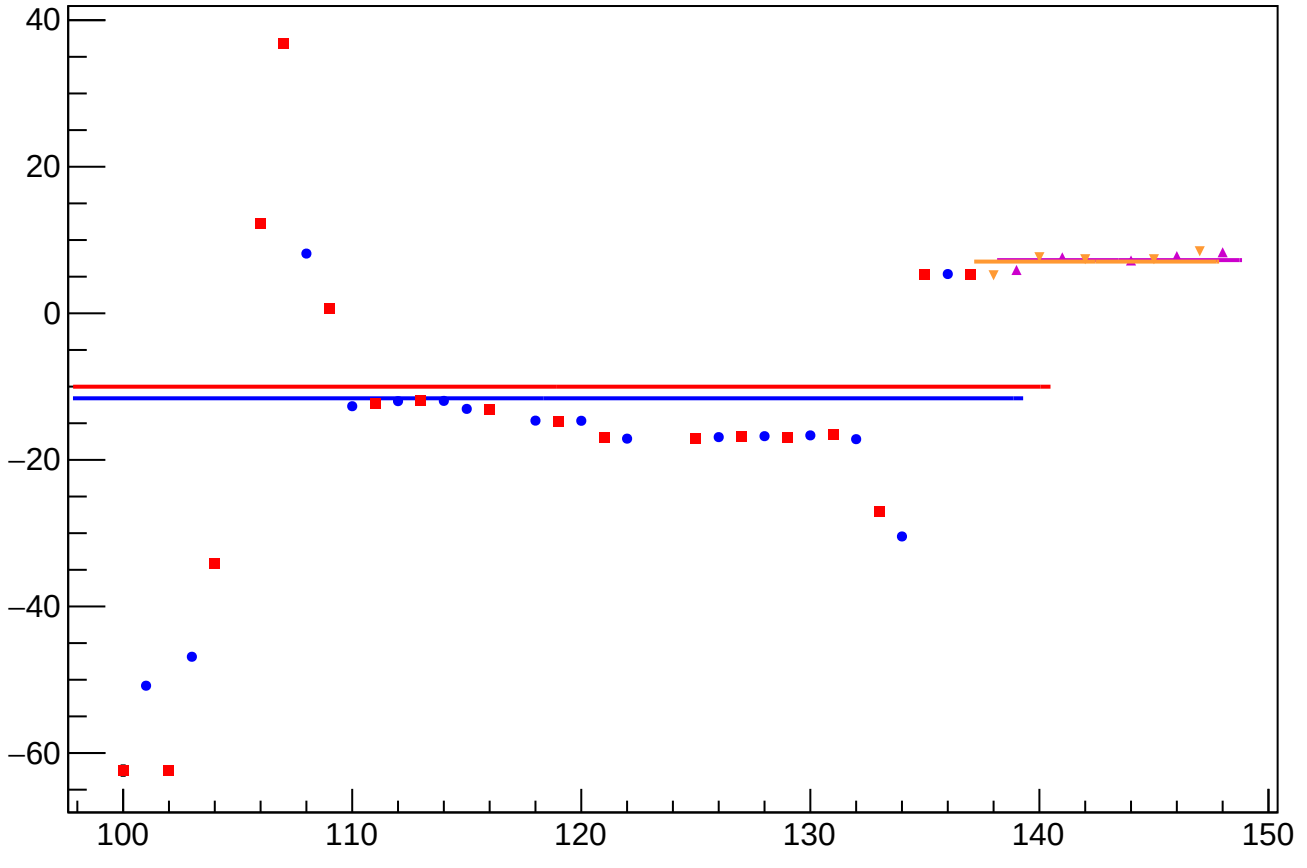
Left: -3.347+/-0.356 χ^2/NDF: 39.0/9

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 6.425+/-0.315 χ^2/NDF:1485.0/20

Out: 7.200+/-0.330 χ^2/NDF:1695.7/22

All: 6.794+/-0.228 χ^2/NDF: 3183.6/43



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.060+/-0.025 χ^2/NDF:2336.5/4

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.260+/-0.023 χ^2/NDF:1615.5/4

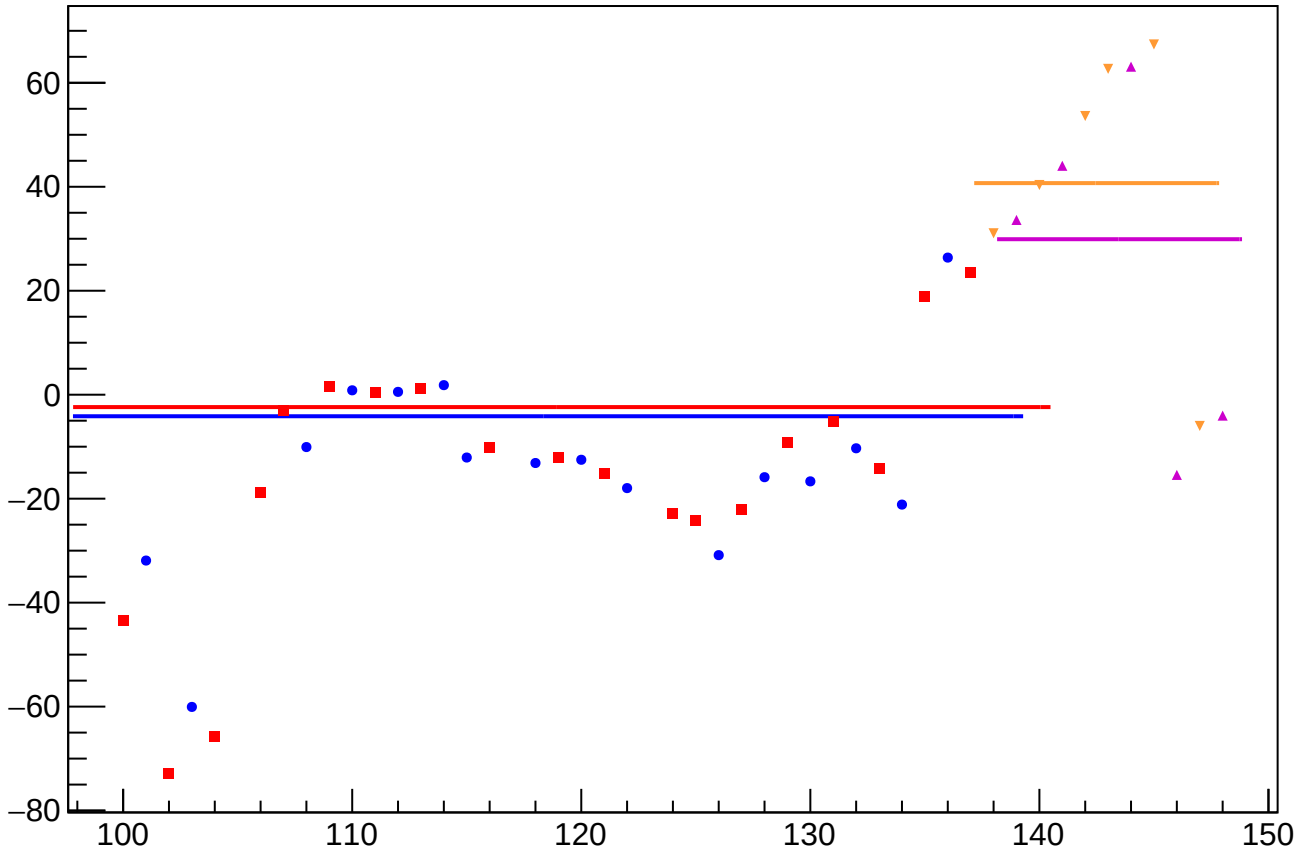
Left: 7.169+/-0.017 χ^2/NDF: 3986.5/9

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -0.865+/-0.017 χ^2/NDF:654446.9/20

Out: -0.748+/-0.019 χ^2/NDF:608584.2/22

All: -0.811+/-0.013 χ^2/NDF: 1263052.4/43



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 40.704+/-0.111 χ^2/NDF:32517.6/5

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 29.912+/-0.112 χ^2/NDF:51916.2/4

Left: 35.363+/-0.079 χ^2/NDF: 89142.0/10

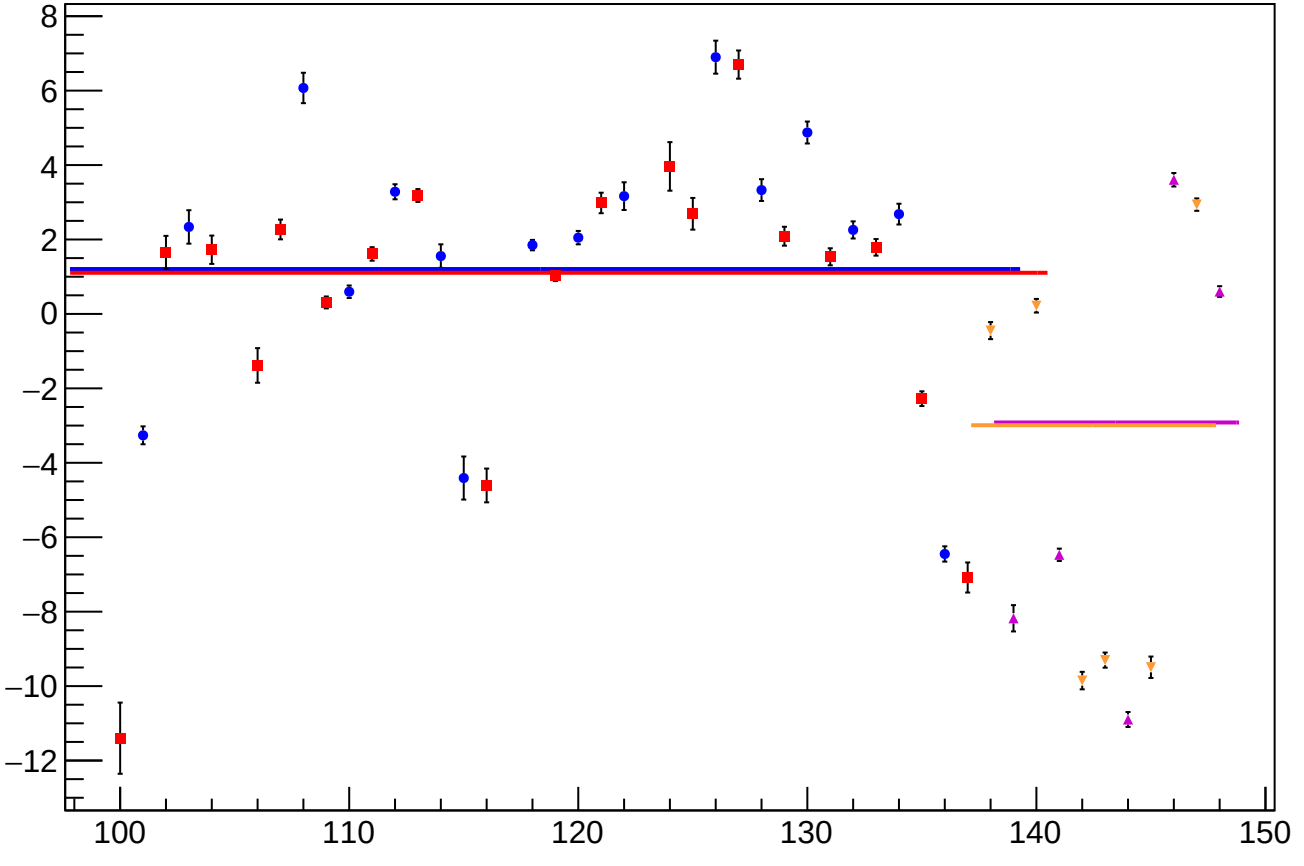
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.431+/-0.049 χ^2/NDF:202085.7/20

Out: 4.000+/-0.043 χ^2/NDF:242449.2/24

All: 3.327+/-0.032 χ^2/NDF: 445117.2/45

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.991+/-0.085 χ^2/NDF:4008.9/5

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -2.917+/-0.082 χ^2/NDF:4147.9/4

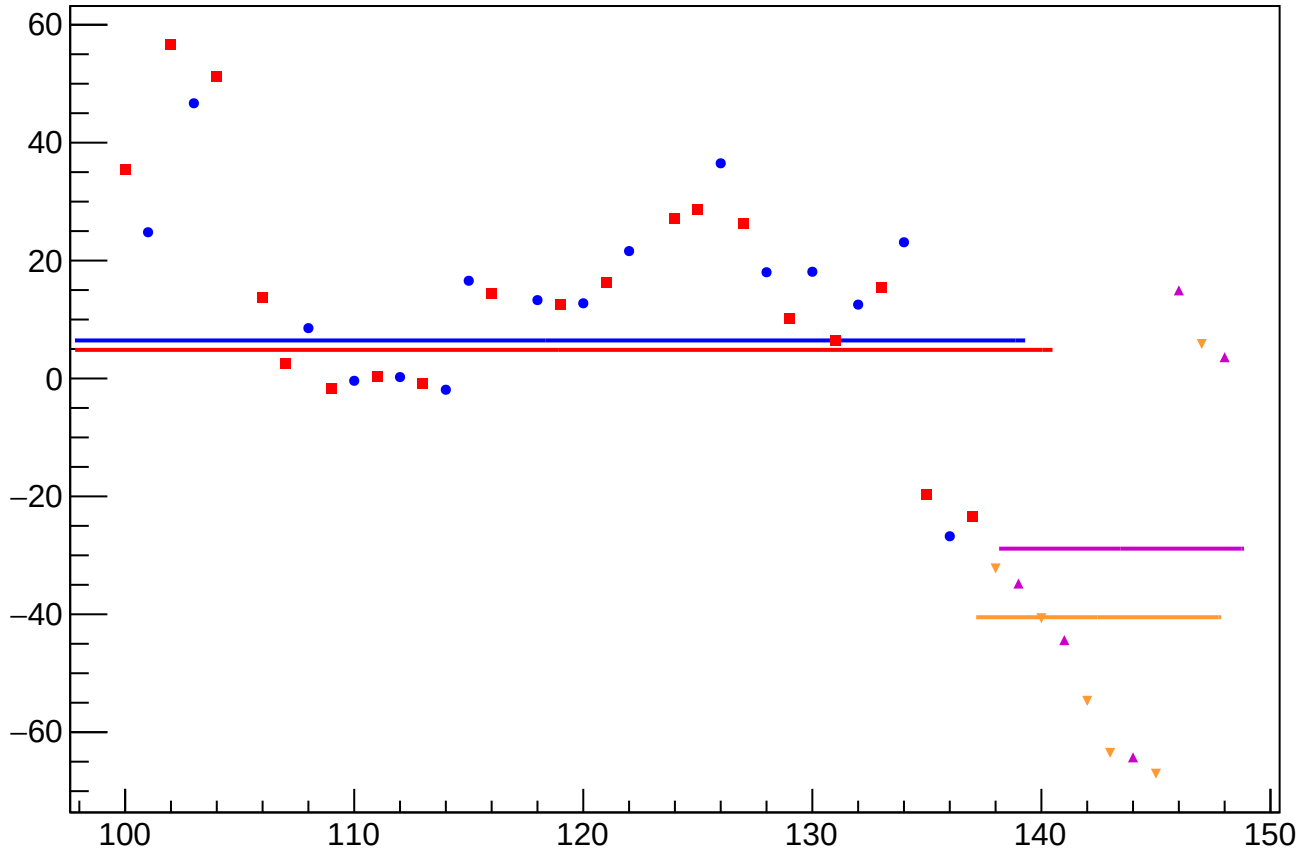
Left: -2.953+/-0.059 χ^2/NDF: 8157.1/10

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.241+/-0.049 χ^2/NDF:8365.6/20

Out: -0.174+/-0.047 χ^2/NDF:7197.6/24

All: -0.207+/-0.034 χ^2/NDF: 15564.2/45



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -40.497+/-0.113 χ^2/NDF:34031.7/5

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -28.864+/-0.113 χ^2/NDF:55077.4/4

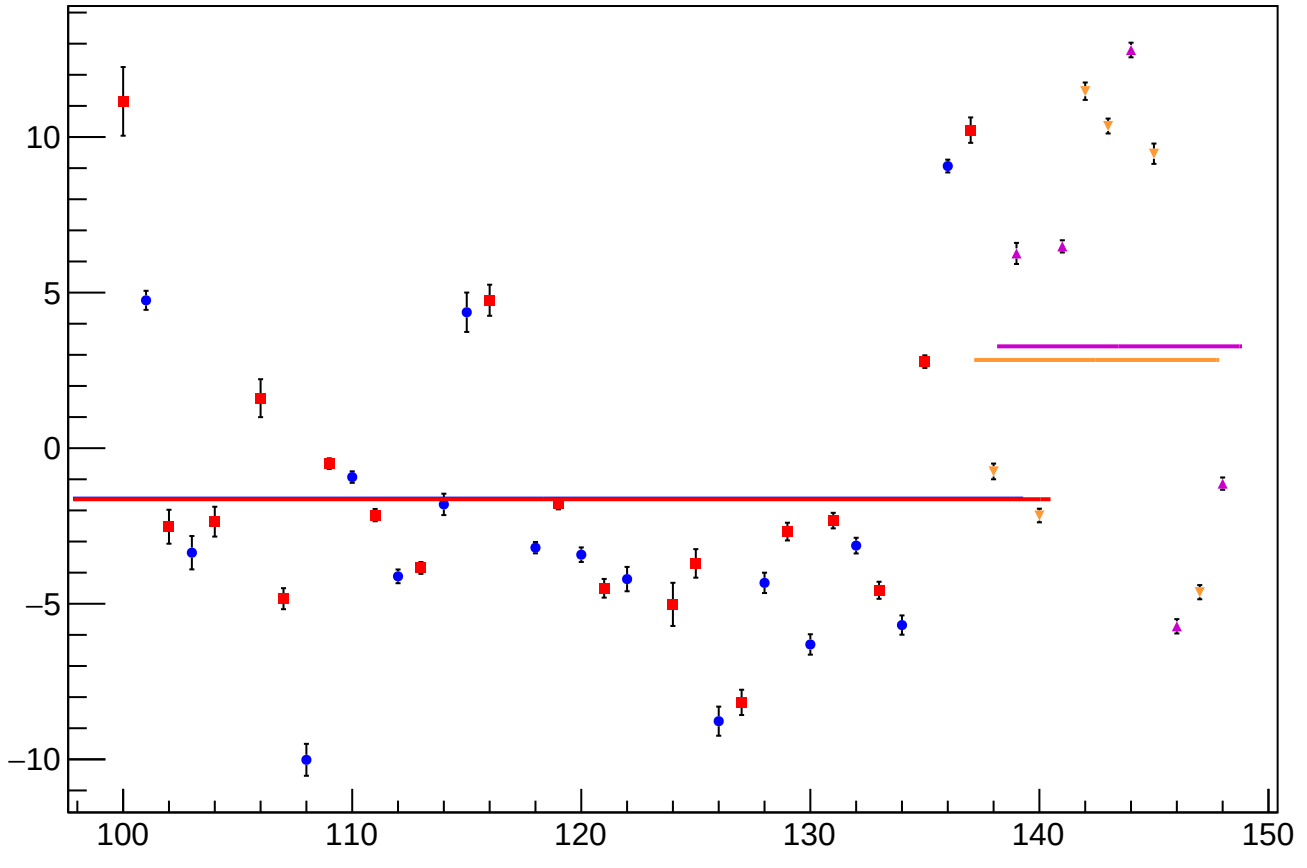
Left: -34.655+/-0.080 χ^2/NDF: 94416.0/10

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -2.409+/-0.056 χ^2/NDF:199343.4/20

Out: -4.879+/-0.052 χ^2/NDF:235435.8/24

All: -3.735+/-0.038 χ^2/NDF: 435807.3/45



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 2.835+/-0.102 χ^2/NDF:4138.1/5

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 3.272+/-0.102 χ^2/NDF:3993.4/4

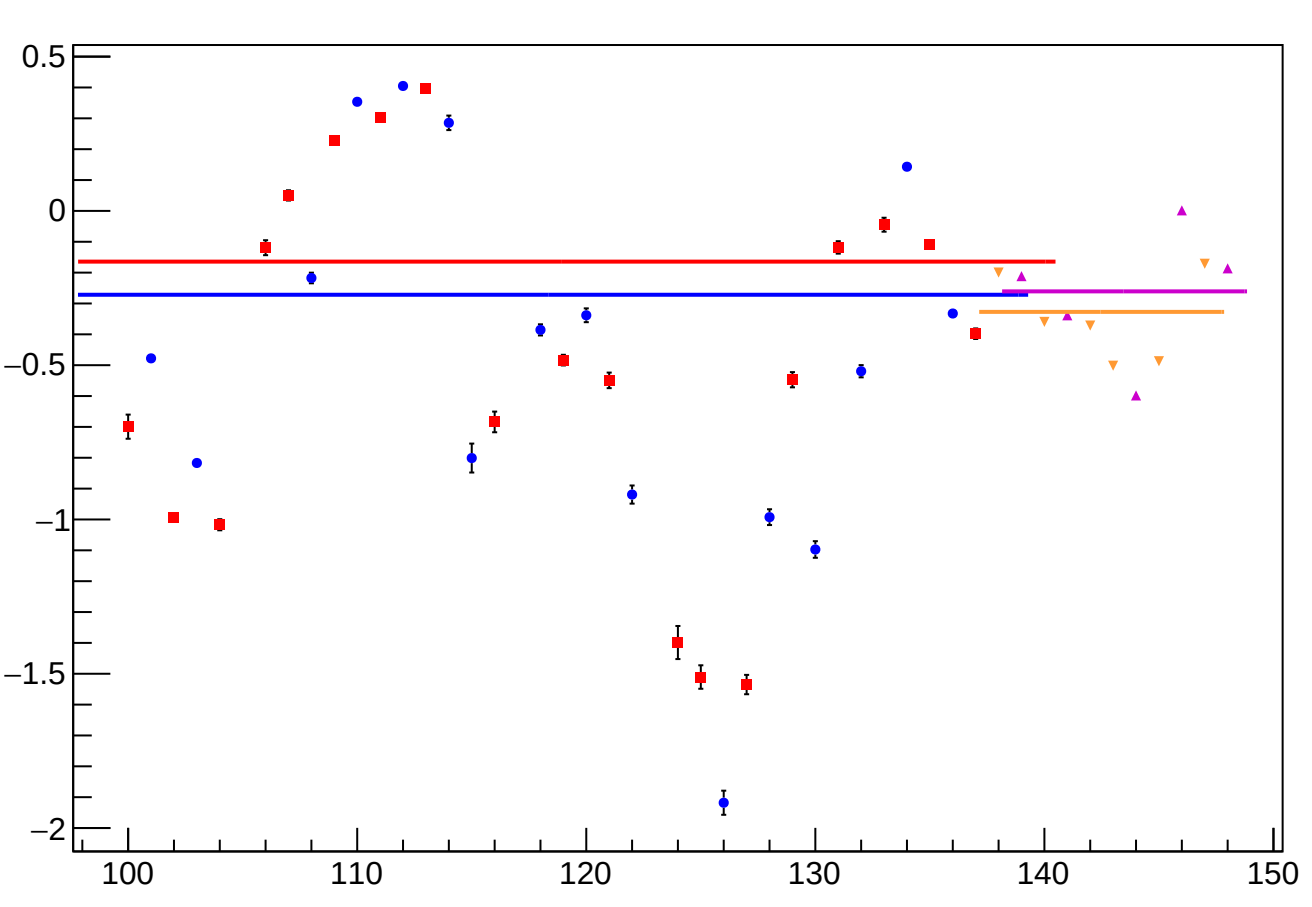
Left: 3.056+/-0.072 χ^2/NDF: 8140.7/10

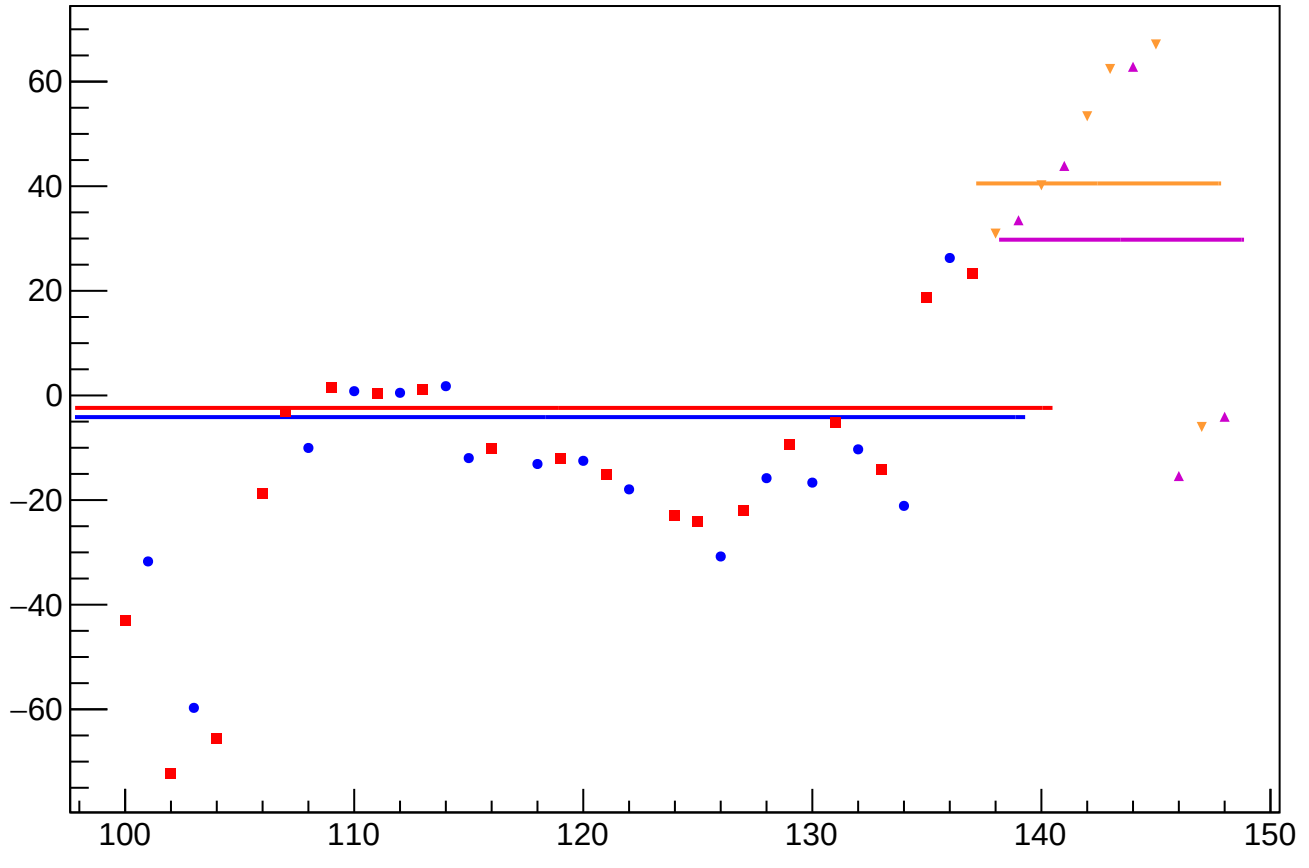
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.059+/-0.057 χ^2/NDF:10098.2/20

Out: -0.369+/-0.055 χ^2/NDF:7965.6/24

All: -0.221+/-0.040 χ^2/NDF: 18079.0/45


reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -0.272+/-0.004 χ²/NDF: 12048.2/15
Left Out: -0.327+/-0.005 χ²/NDF:722.8/5
Right Out: -0.164+/-0.004 χ²/NDF: 15497.0/18
Left In: -0.261+/-0.004 χ²/NDF:1266.8/4
Left: -0.293+/-0.003 χ²/NDF: 2096.4/10
Right: -0.213+/-0.003 χ²/NDF: 27909.3/34
In: -0.267+/-0.003 χ²/NDF:13318.2/20
Out: -0.230+/-0.003 χ²/NDF:16959.2/24
All: -0.248+/-0.002 χ²/NDF: 30353.3/45



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 40.531+/-0.110 χ^2/NDF:32492.2/5

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 29.776+/-0.111 χ^2/NDF:51939.0/4

Left: 35.209+/-0.078 χ^2/NDF: 89137.9/10

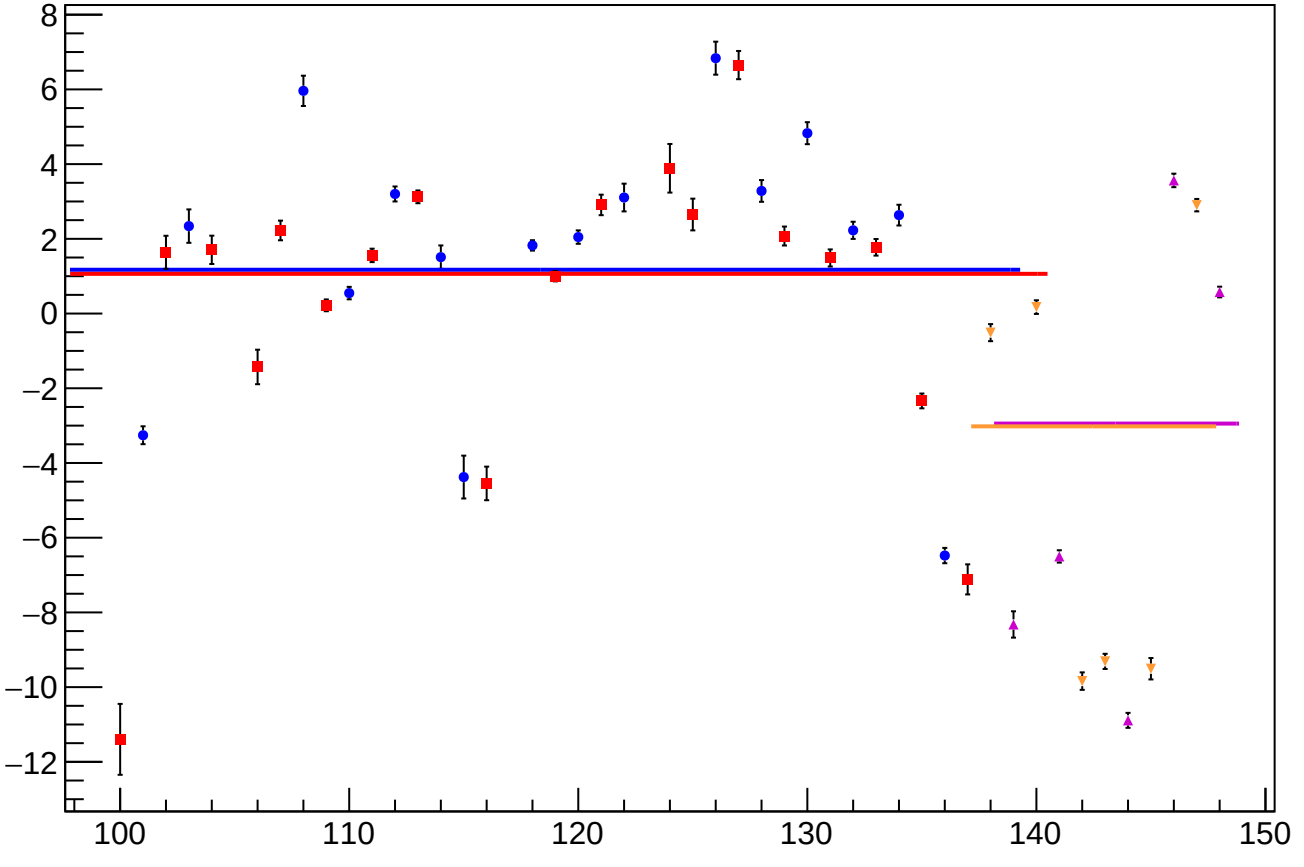
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.378+/-0.049 χ^2/NDF:202020.0/20

Out: 3.942+/-0.042 χ^2/NDF:242257.6/24

All: 3.271+/-0.032 χ^2/NDF: 444862.9/45

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -3.019+/-0.085 χ^2/NDF:4008.2/5

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -2.946+/-0.082 χ^2/NDF:4166.9/4

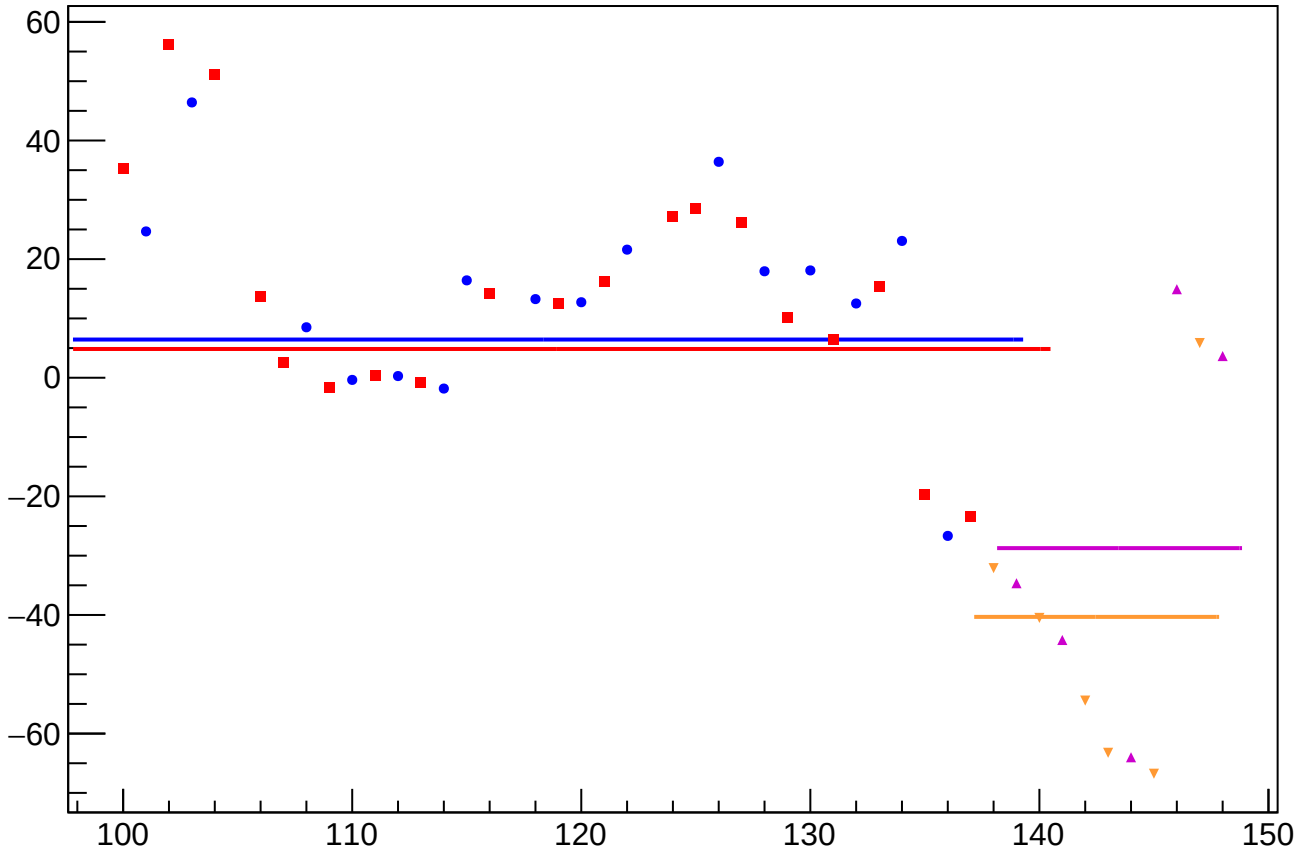
Left: -2.981+/-0.059 χ^2/NDF: 8175.5/10

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.269+/-0.048 χ^2/NDF:8393.8/20

Out: -0.210+/-0.047 χ^2/NDF:7207.5/24

All: -0.239+/-0.034 χ^2/NDF: 15602.0/45



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -40.323+/-0.113 χ^2/NDF:34007.4/5

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -28.729+/-0.112 χ^2/NDF:55095.3/4

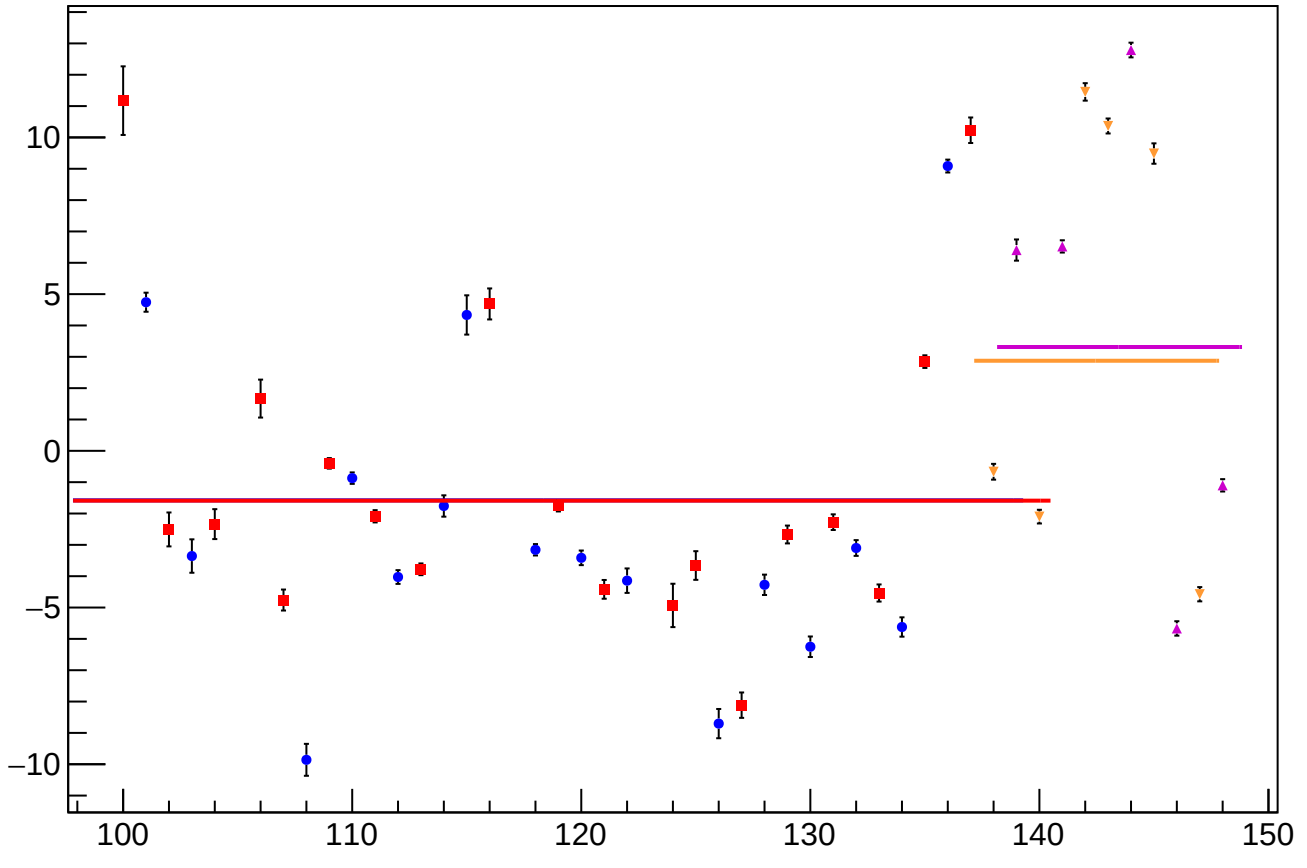
Left: -34.501+/-0.080 χ^2/NDF: 94408.1/10

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -2.352+/-0.056 χ^2/NDF:199266.1/20

Out: -4.810+/-0.052 χ^2/NDF:235256.9/24

All: -3.672+/-0.038 χ^2/NDF: 435551.1/45



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 2.874+/-0.102 χ^2/NDF:4130.7/5

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 3.313+/-0.101 χ^2/NDF:4003.6/4

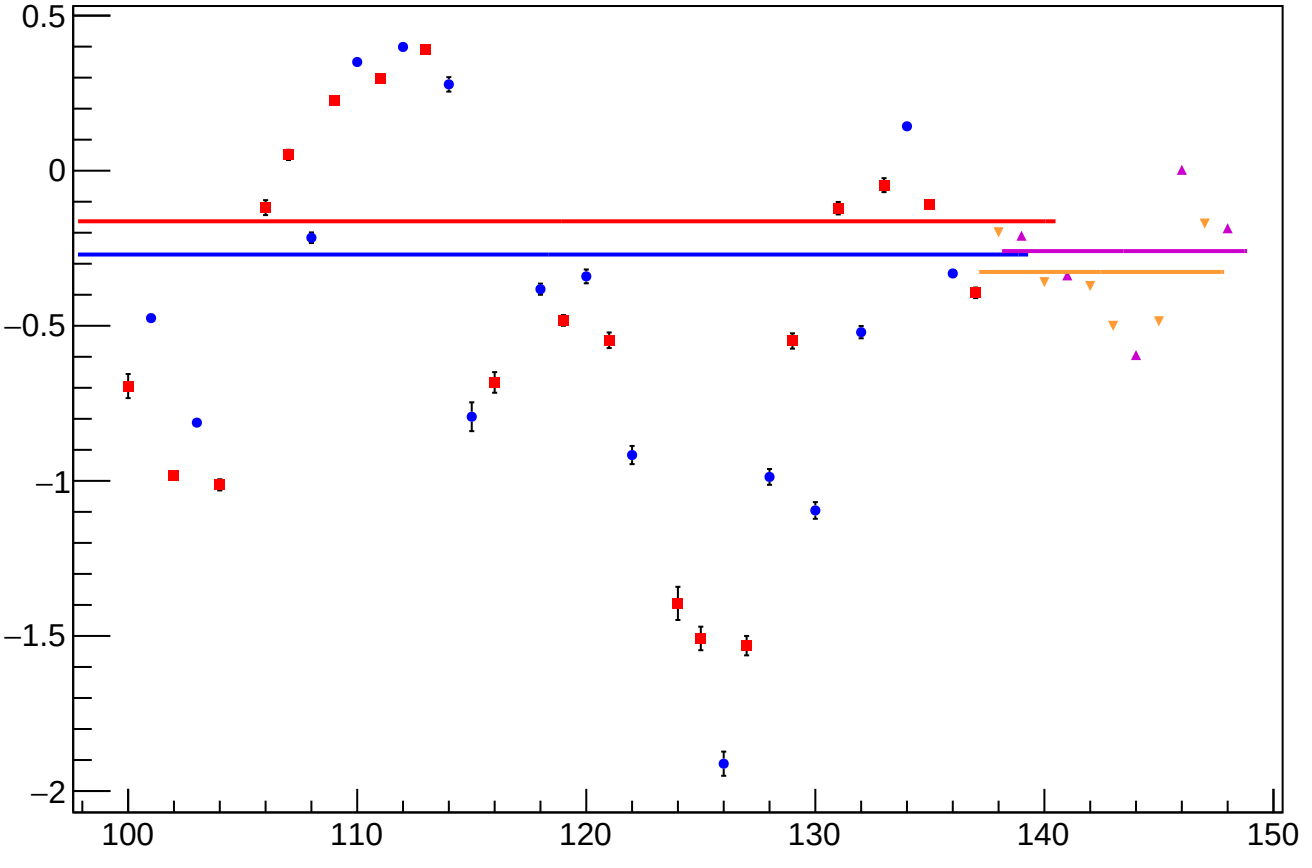
Left: 3.096+/-0.072 χ^2/NDF: 8143.6/10

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.022+/-0.057 χ^2/NDF:10119.1/20

Out: -0.324+/-0.054 χ^2/NDF:7971.4/24

All: -0.180+/-0.039 χ^2/NDF: 18105.2/45



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.326+/-0.005 χ^2/NDF:726.3/5

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.259+/-0.004 χ^2/NDF:1265.1/4

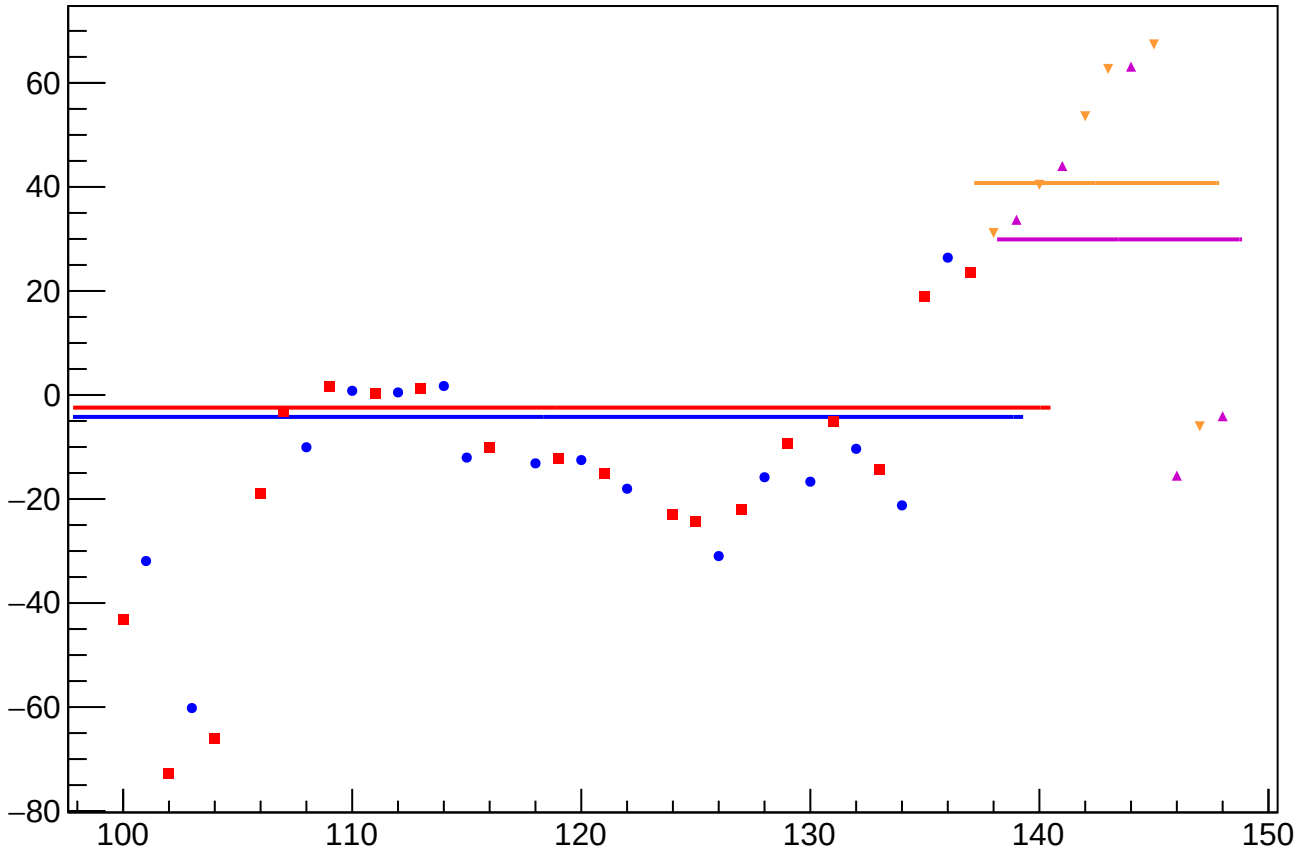
Left: -0.292+/-0.003 χ^2/NDF: 2101.5/10

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.265+/-0.003 χ^2/NDF:13304.8/20

Out: -0.229+/-0.003 χ^2/NDF:16985.1/24

All: -0.246+/-0.002 χ^2/NDF: 30365.0/45



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 40.756+/-0.111 χ^2/NDF:32427.4/5

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 29.913+/-0.112 χ^2/NDF:51957.6/4

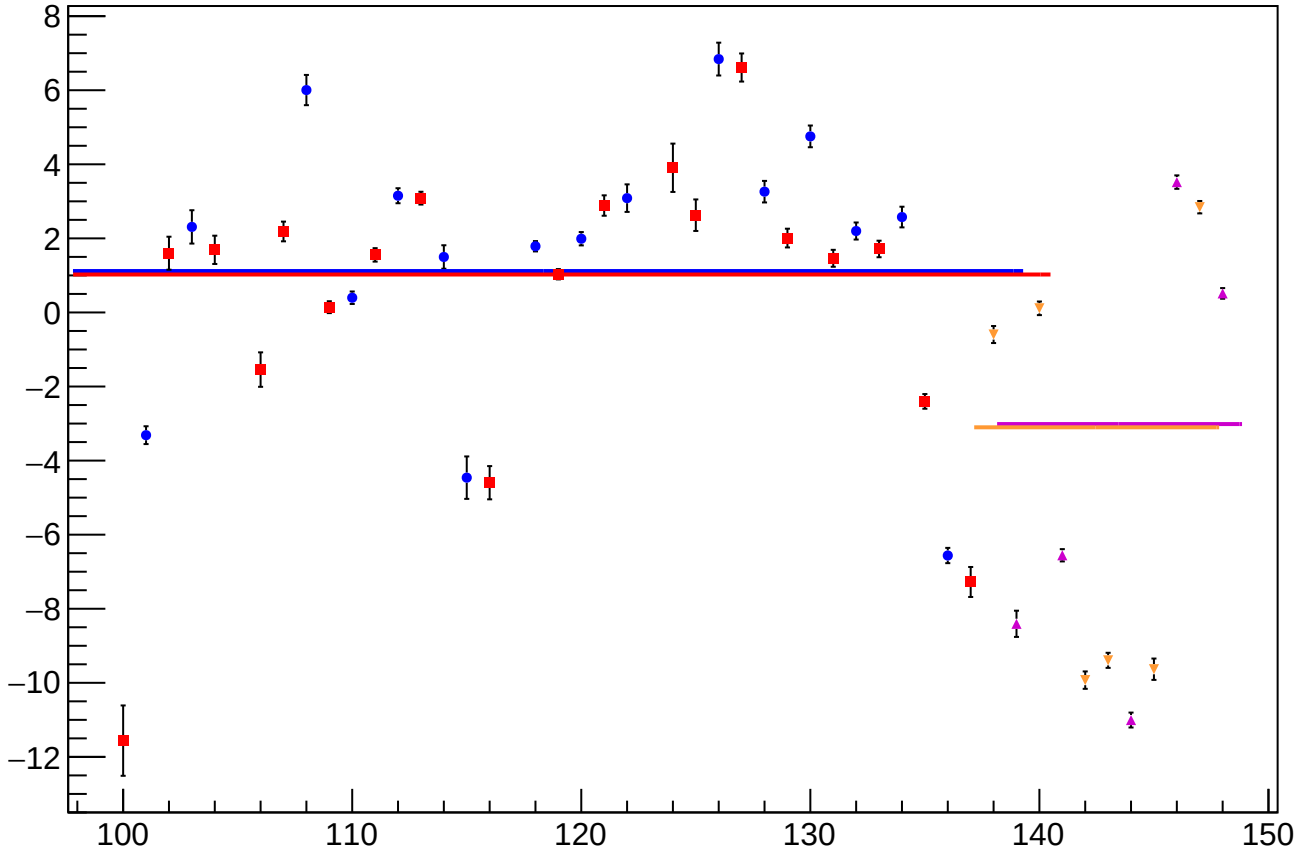
Left: 35.389+/-0.079 χ^2/NDF: 89126.3/10

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 2.368+/-0.049 χ^2/NDF:202219.5/20

Out: 3.965+/-0.043 χ^2/NDF:242592.5/24

All: 3.279+/-0.032 χ^2/NDF: 445414.7/45



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -3.101+/-0.085 χ^2/NDF:3996.7/5

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -3.014+/-0.082 χ^2/NDF:4158.3/4

Left: -3.056+/-0.059 χ^2/NDF: 8155.5/10

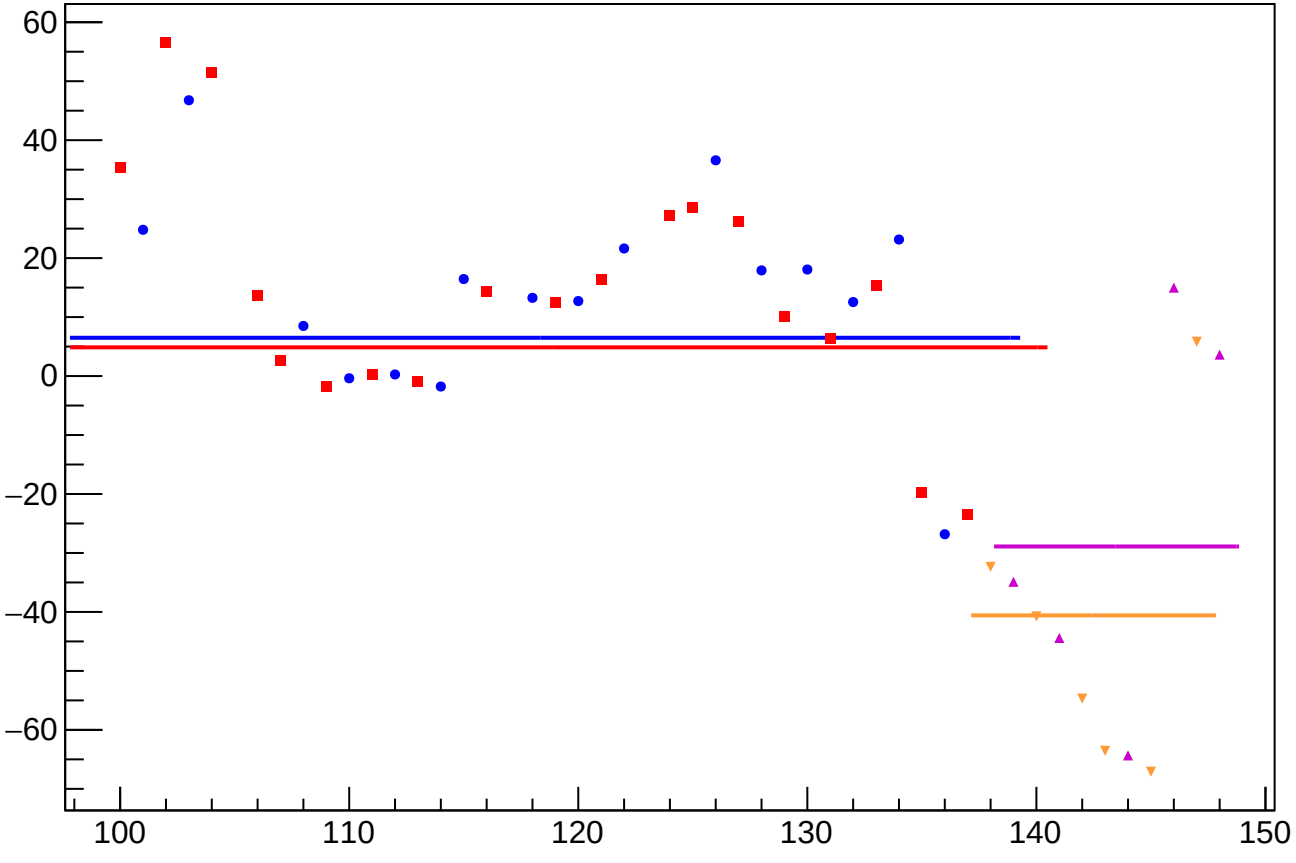
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.329+/-0.049 χ^2/NDF:8388.3/20

Out: -0.263+/-0.047 χ^2/NDF:7230.4/24

All: -0.295+/-0.034 χ^2/NDF: 15619.6/45

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -40.583+/-0.113 χ^2/NDF:33956.5/5

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -28.898+/-0.113 χ^2/NDF:55126.0/4

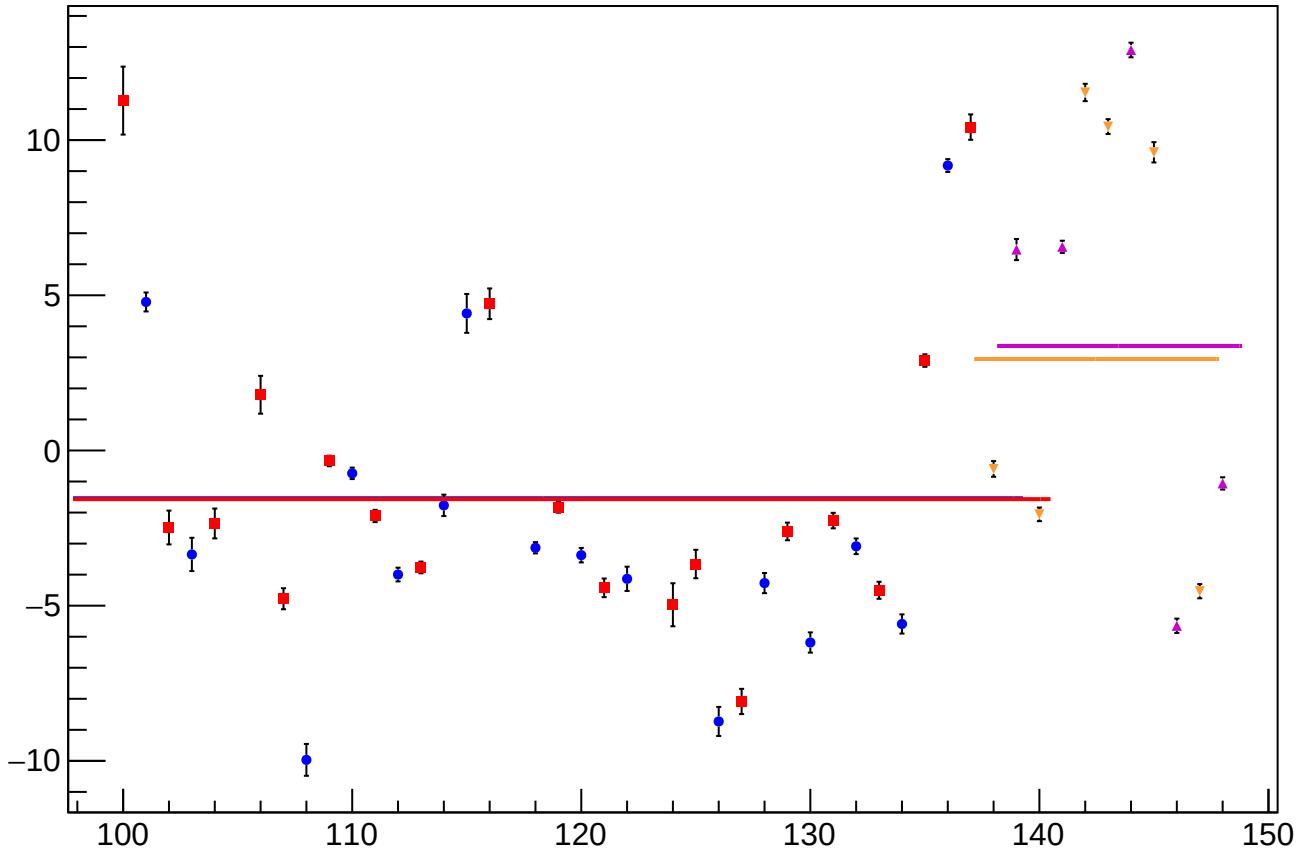
Left: -34.715+/-0.080 χ^2/NDF: 94423.4/10

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -2.374+/-0.056 χ^2/NDF:199502.9/20

Out: -4.876+/-0.052 χ^2/NDF:235623.7/24

All: -3.717+/-0.038 χ^2/NDF: 436180.4/45



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.947+/-0.103 χ^2/NDF:4118.9/5

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 3.366+/-0.102 χ^2/NDF:4001.8/4

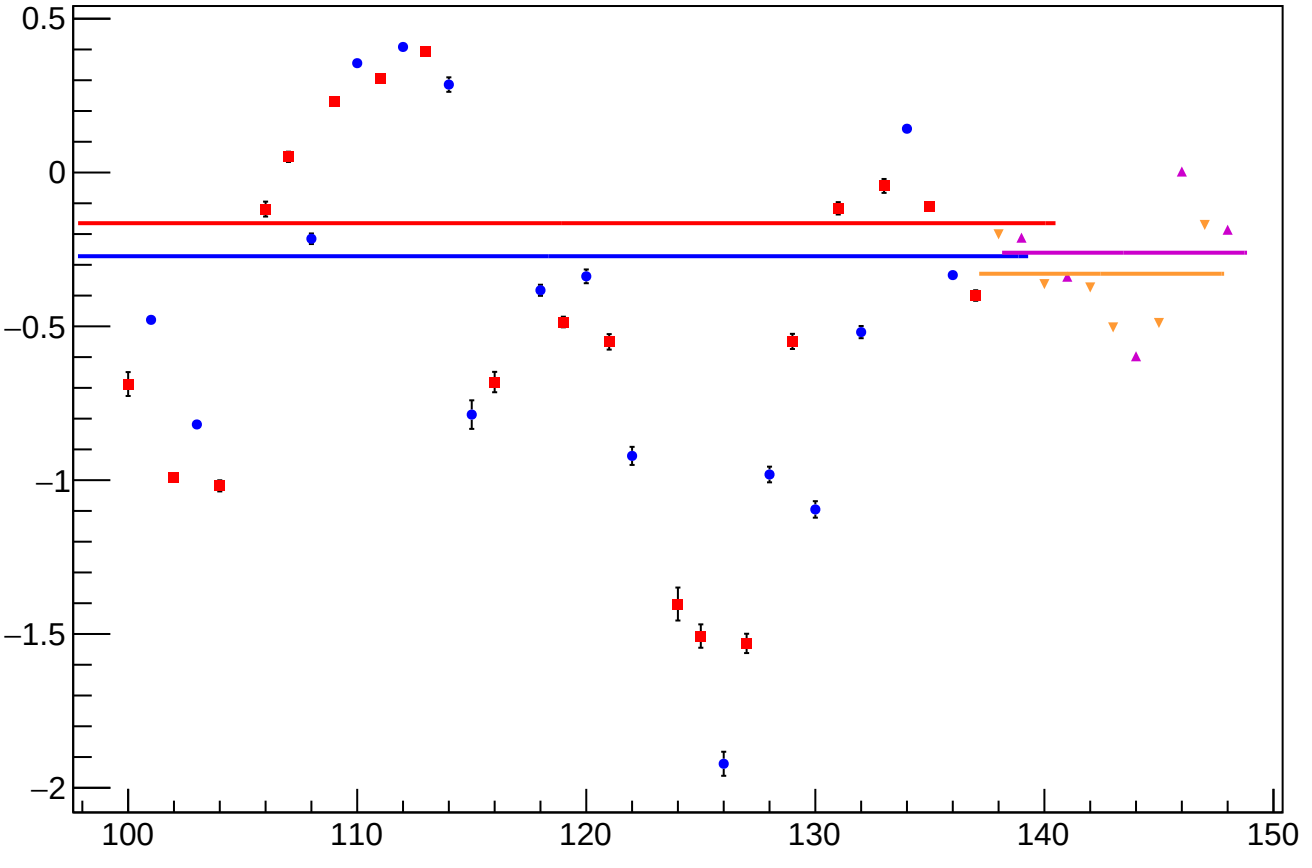
Left: 3.158+/-0.072 χ^2/NDF: 8129.1/10

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: 0.024+/-0.057 χ^2/NDF:10122.7/20

Out: -0.286+/-0.055 χ^2/NDF:8002.1/24

All: -0.139+/-0.040 χ^2/NDF: 18140.1/45



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.329+/-0.005 χ^2/NDF:728.4/5

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.261+/-0.004 χ^2/NDF:1265.0/4

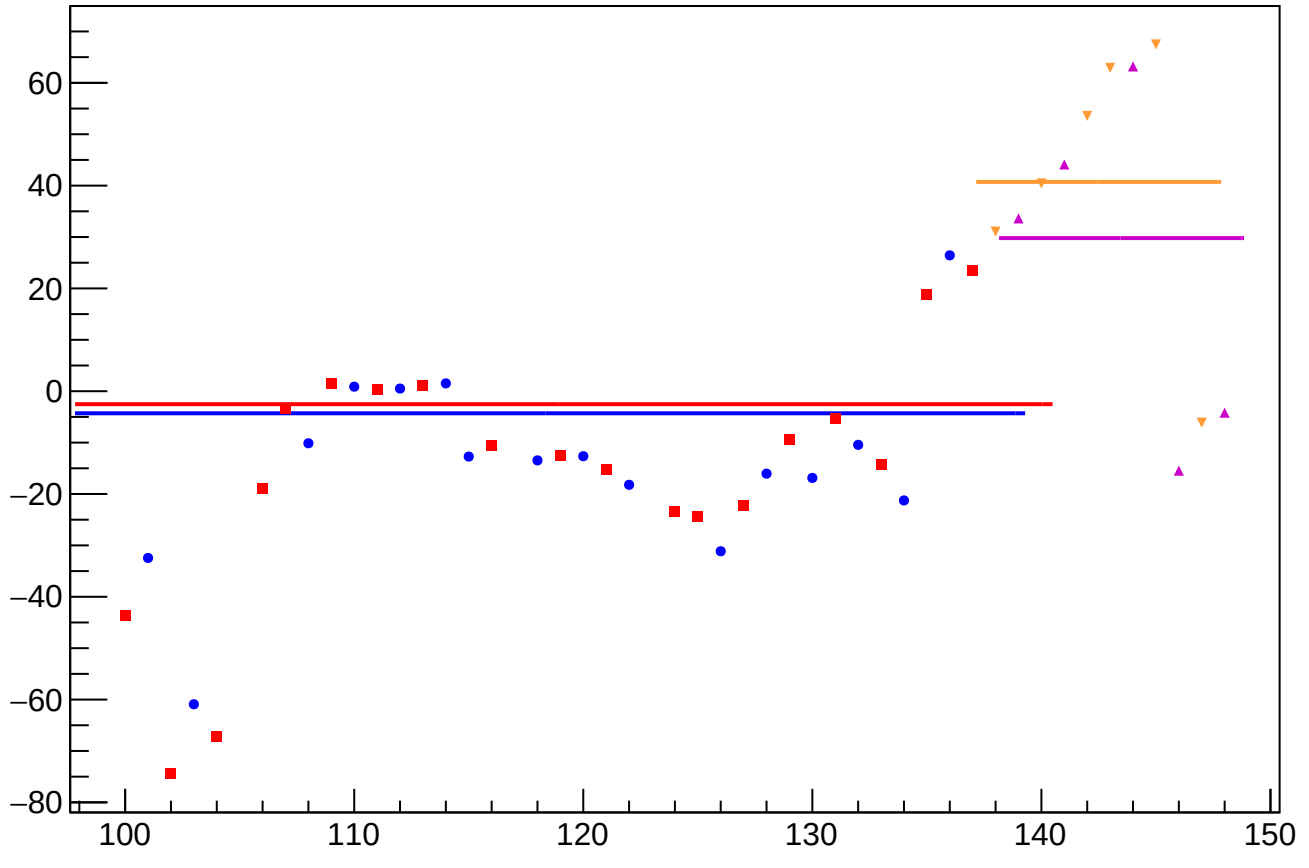
Left: -0.294+/-0.003 χ^2/NDF: 2106.2/10

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.267+/-0.003 χ^2/NDF:13332.2/20

Out: -0.231+/-0.003 χ^2/NDF:16969.8/24

All: -0.248+/-0.002 χ^2/NDF: 30374.5/45



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 40.724+/-0.112 χ^2/NDF:32277.6/5

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 29.795+/-0.113 χ^2/NDF:51486.9/4

Left: 35.316+/-0.079 χ^2/NDF: 88499.2/10

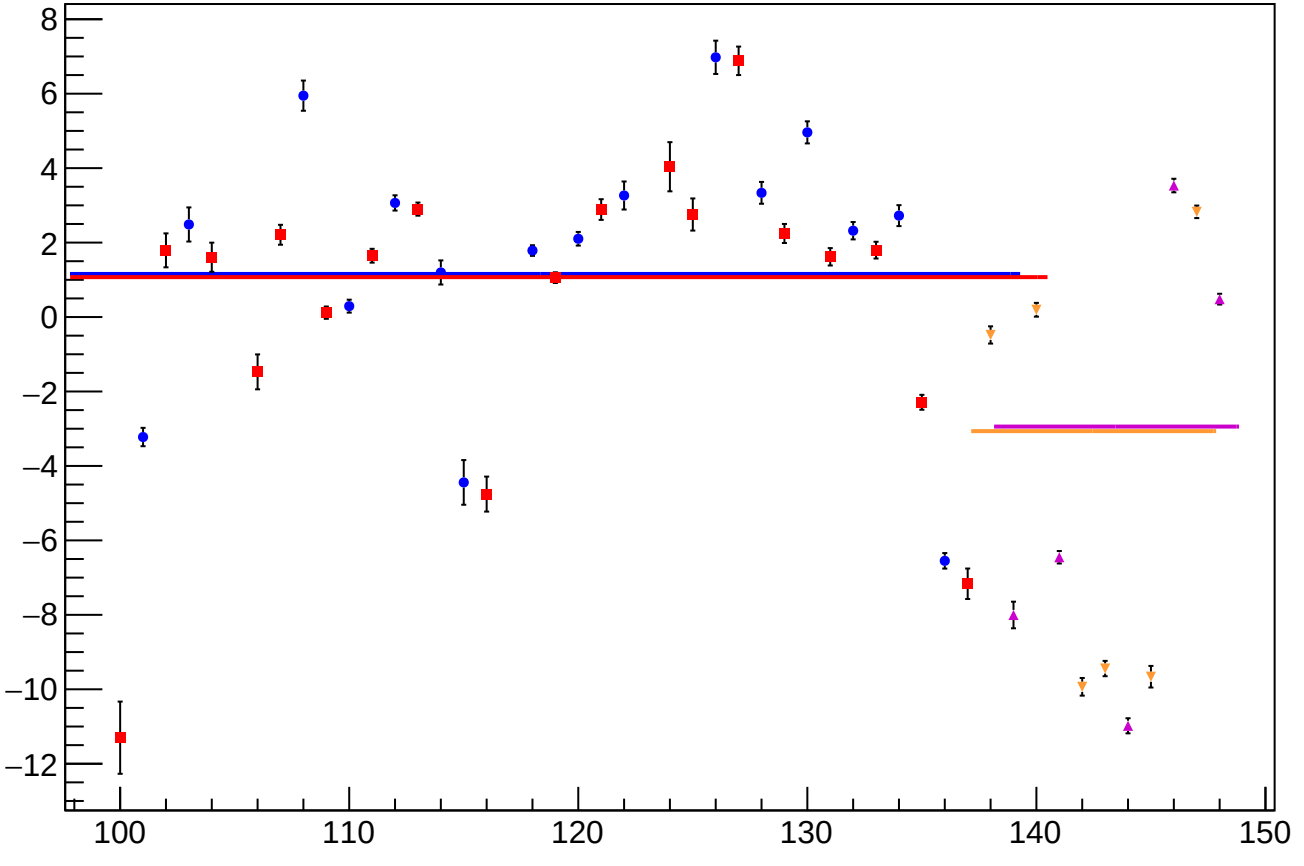
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 2.385+/-0.050 χ^2/NDF:199021.6/20

Out: 4.032+/-0.044 χ^2/NDF:239276.0/24

All: 3.322+/-0.033 χ^2/NDF: 438915.5/45

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -3.065+/-0.086 χ^2/NDF:3974.9/5

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -2.943+/-0.083 χ^2/NDF:4026.7/4

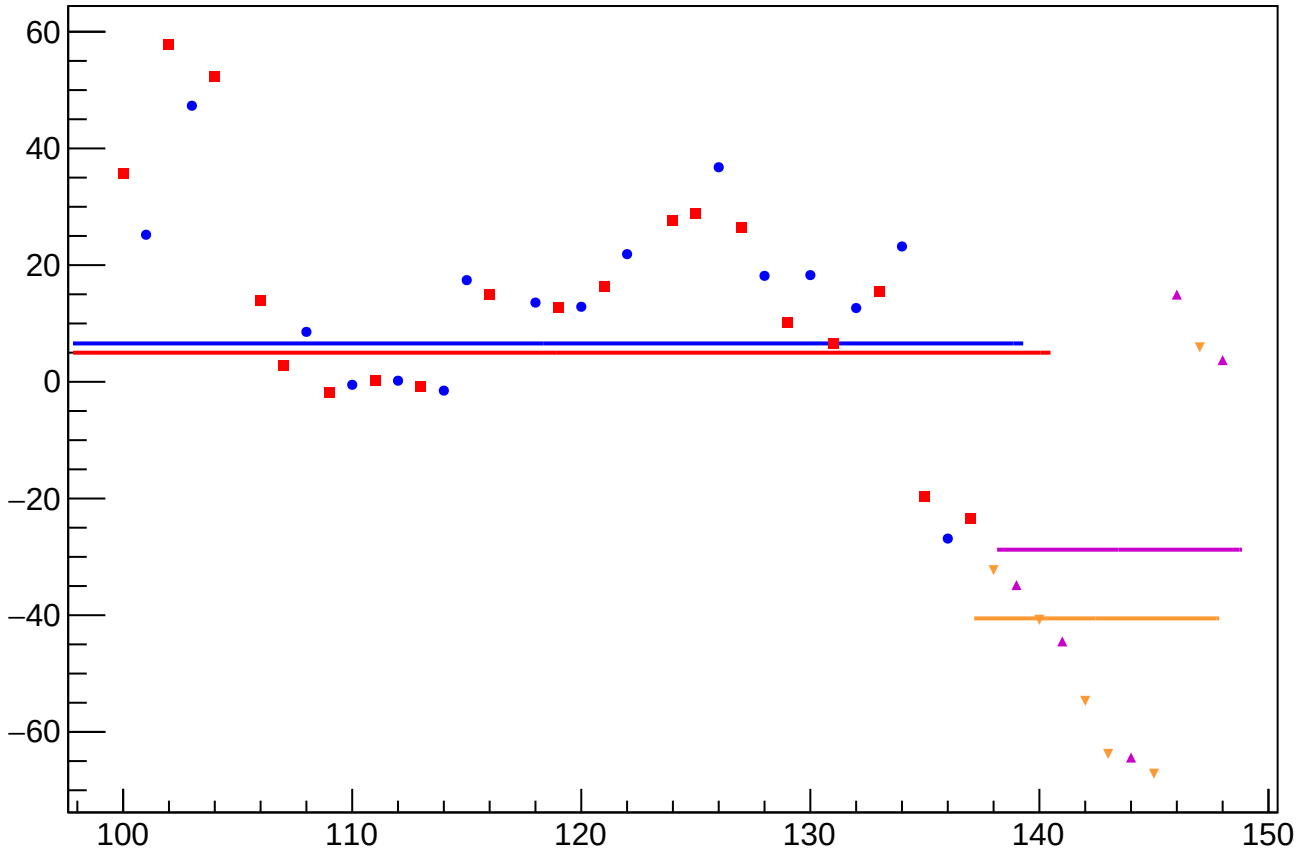
Left: -3.002+/-0.060 χ^2/NDF: 8002.6/10

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.298+/-0.049 χ^2/NDF:8154.6/20

Out: -0.239+/-0.048 χ^2/NDF:7119.7/24

All: -0.268+/-0.035 χ^2/NDF: 15275.1/45



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -40.543+/-0.114 χ^2/NDF:33781.6/5

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -28.768+/-0.114 χ^2/NDF:54602.6/4

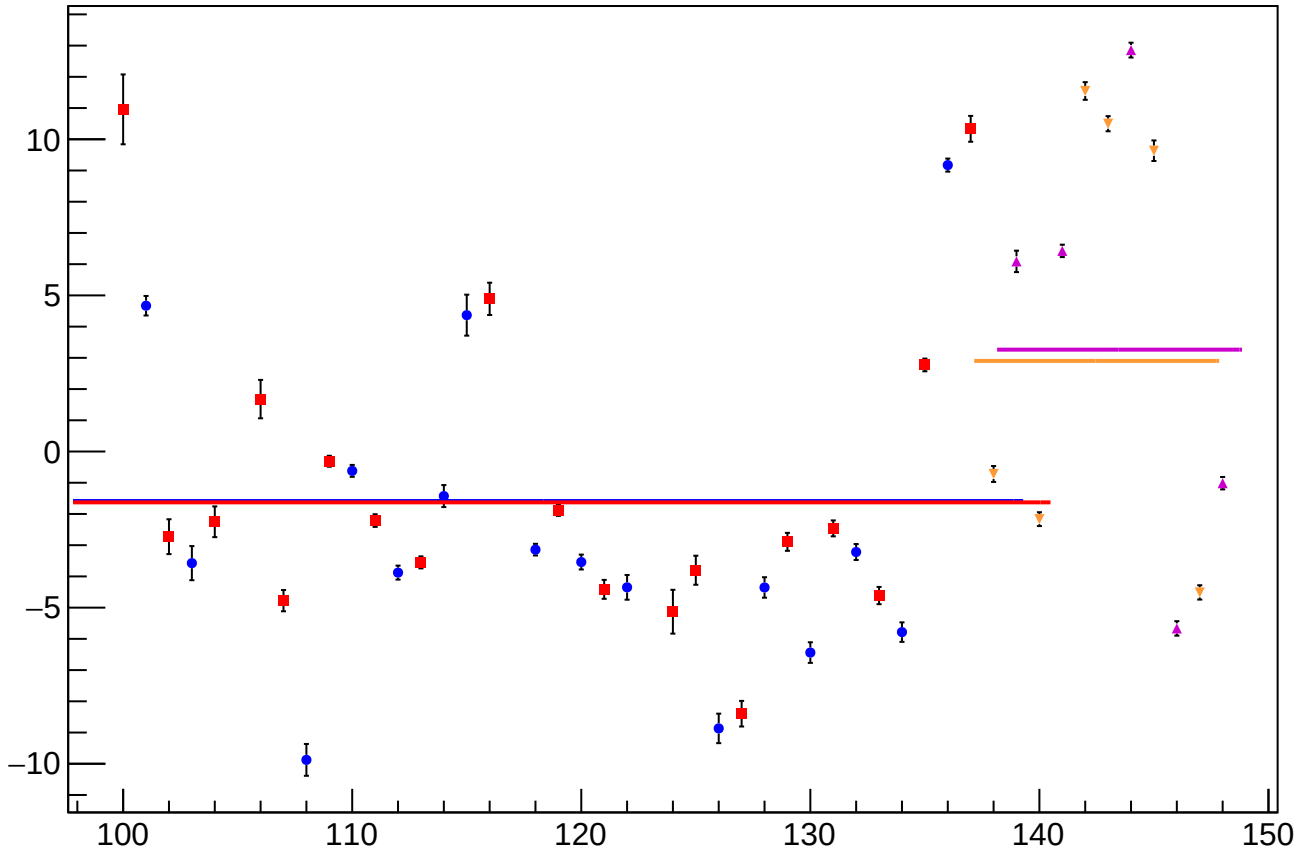
Left: -34.631+/-0.081 χ^2/NDF: 93716.8/10

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -2.401+/-0.057 χ^2/NDF:196328.9/20

Out: -4.957+/-0.053 χ^2/NDF:232350.8/24

All: -3.770+/-0.039 χ^2/NDF: 429744.0/45



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 2.902+/-0.103 χ^2/NDF:4103.6/5

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 3.262+/-0.103 χ^2/NDF:3890.1/4

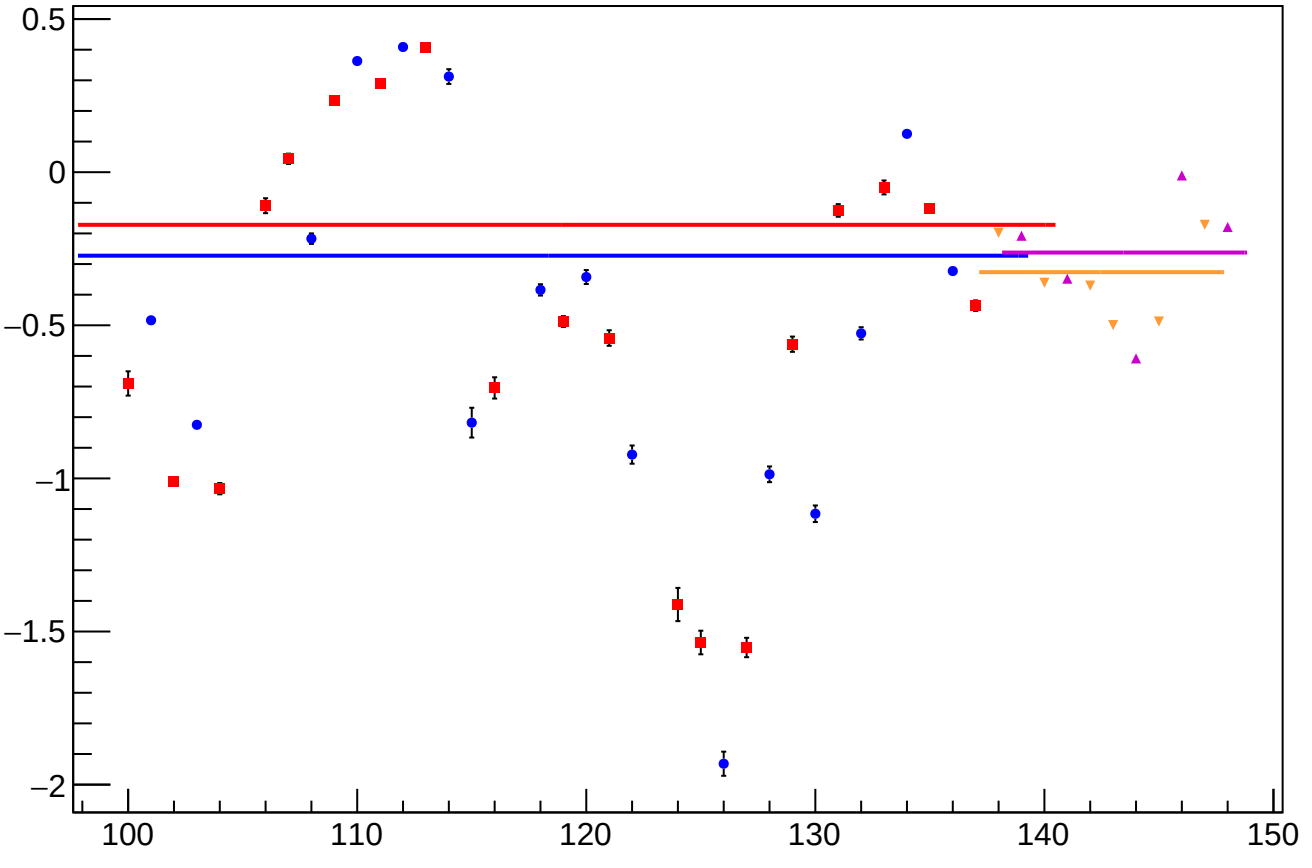
Left: 3.084+/-0.073 χ^2/NDF: 7999.8/10

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.020+/-0.058 χ^2/NDF:9877.2/20

Out: -0.322+/-0.056 χ^2/NDF:7891.0/24

All: -0.178+/-0.040 χ^2/NDF: 17782.3/45



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.327+/-0.005 χ^2/NDF:710.9/5

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.262+/-0.005 χ^2/NDF:1287.5/4

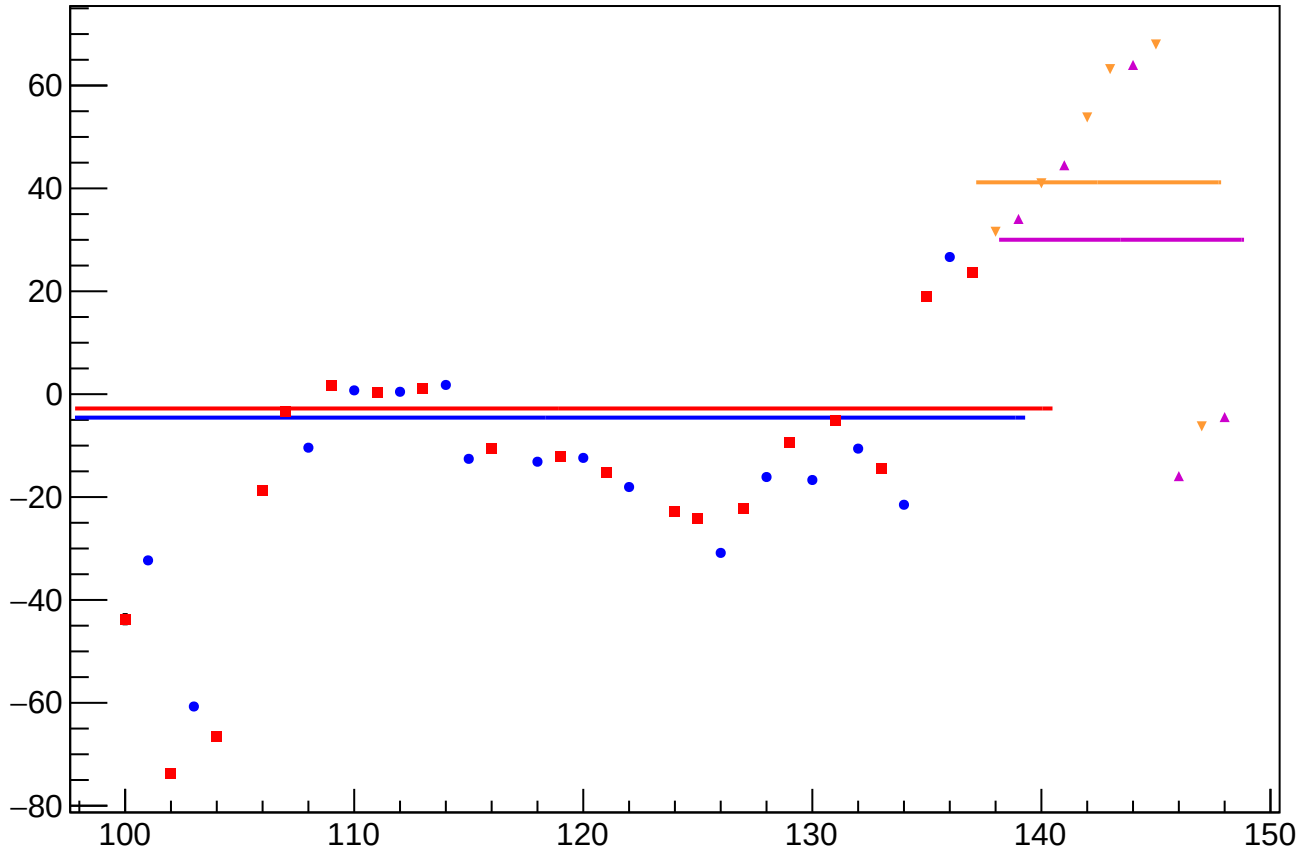
Left: -0.293+/-0.003 χ^2/NDF: 2095.7/10

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.268+/-0.003 χ^2/NDF:13146.5/20

Out: -0.235+/-0.003 χ^2/NDF:16681.9/24

All: -0.251+/-0.002 χ^2/NDF: 29888.4/45



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 41.179+/-0.114 χ^2/NDF:31623.7/5

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 30.018+/-0.115 χ^2/NDF:51362.3/4

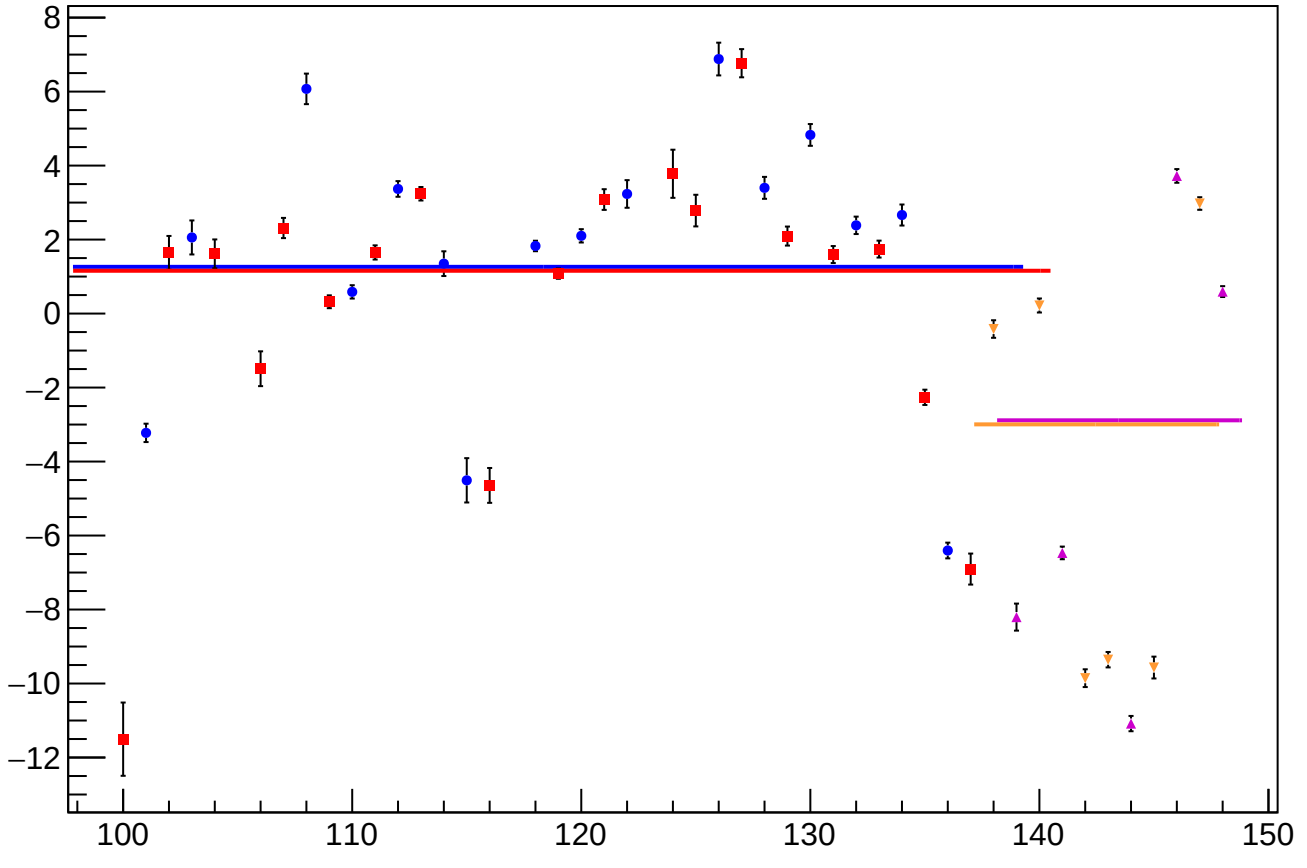
Left: 35.651+/-0.081 χ^2/NDF: 87735.5/10

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 2.219+/-0.051 χ^2/NDF:196608.6/20

Out: 3.962+/-0.045 χ^2/NDF:235466.6/24

All: 3.205+/-0.034 χ^2/NDF: 432737.7/45



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.995+/-0.087 χ^2/NDF:3874.1/5

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -2.885+/-0.084 χ^2/NDF:4056.5/4

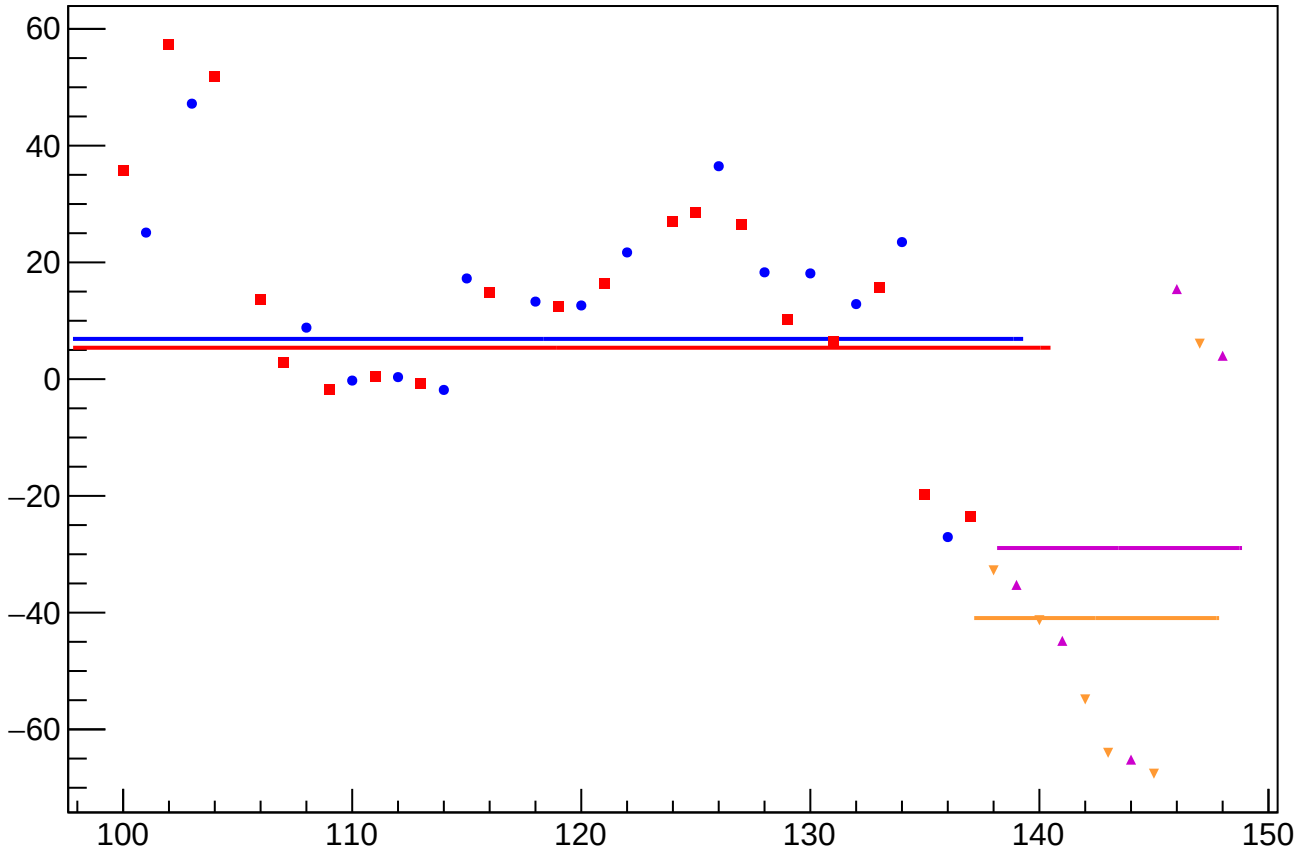
Left: -2.938+/-0.061 χ^2/NDF: 7931.4/10

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.193+/-0.050 χ^2/NDF:8070.5/20

Out: -0.152+/-0.049 χ^2/NDF:6920.8/24

All: -0.172+/-0.035 χ^2/NDF: 14991.6/45



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -40.929+/-0.117 χ^2/NDF:33148.7/5

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -28.931+/-0.116 χ^2/NDF:54424.9/4

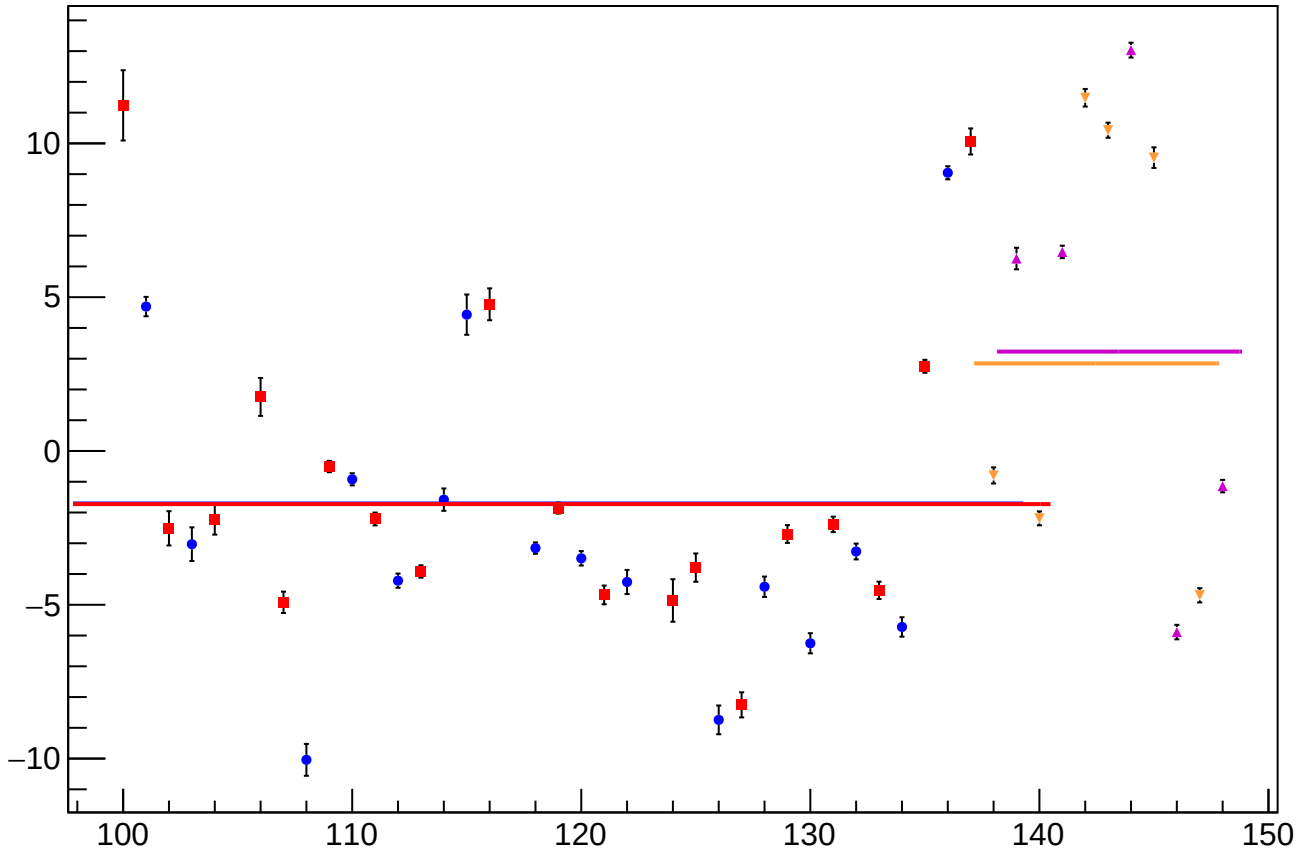
Left: -34.899+/-0.082 χ^2/NDF: 92901.2/10

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -2.147+/-0.058 χ^2/NDF:193857.9/20

Out: -4.755+/-0.055 χ^2/NDF:228738.2/24

All: -3.537+/-0.040 χ^2/NDF: 423665.1/45



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 2.846+/-0.105 χ^2/NDF:4001.6/5

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 3.231+/-0.104 χ^2/NDF:3932.6/4

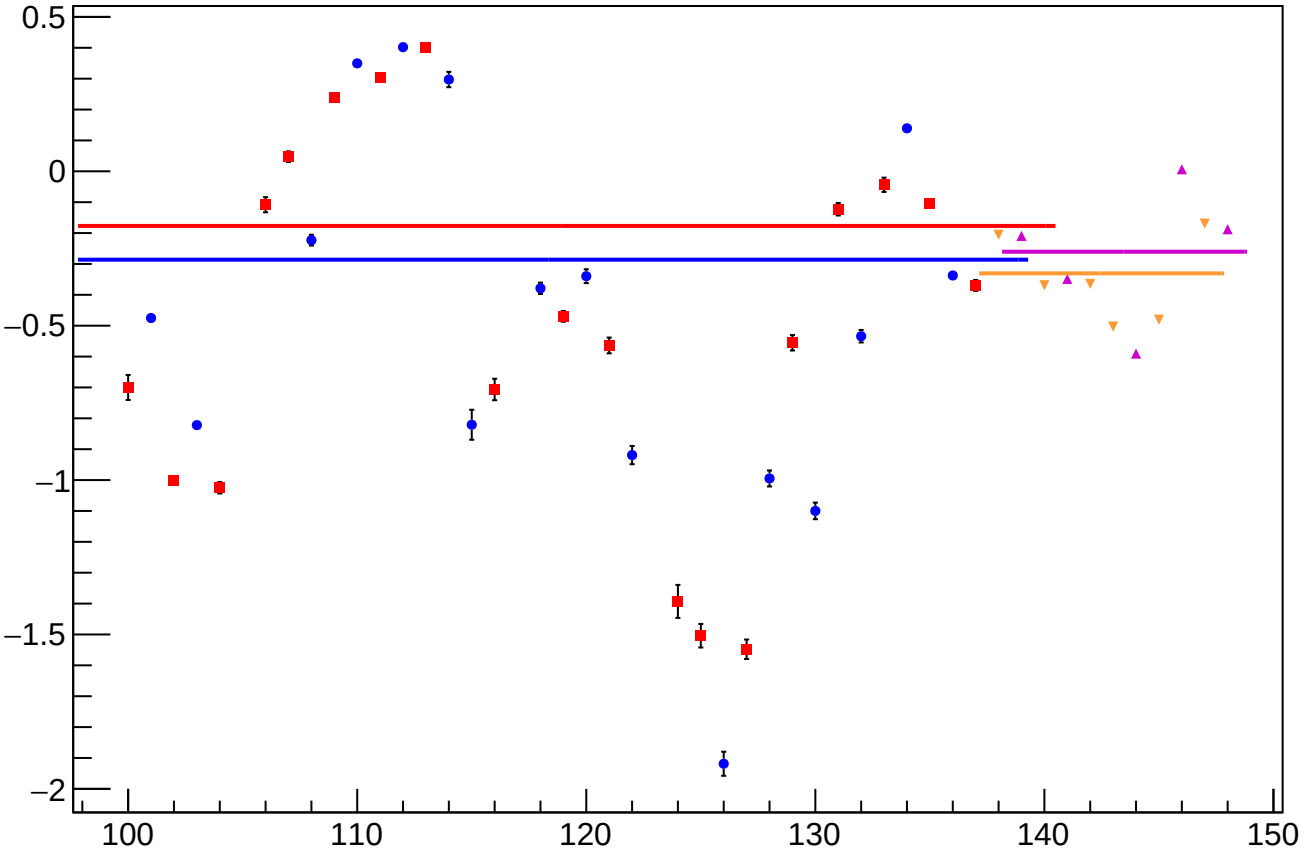
Left: 3.040+/-0.074 χ^2/NDF: 7941.1/10

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.127+/-0.059 χ^2/NDF:9746.6/20

Out: -0.413+/-0.056 χ^2/NDF:7656.5/24

All: -0.276+/-0.041 χ^2/NDF: 17415.3/45



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.331+/-0.005 χ^2/NDF:662.4/5

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.260+/-0.005 χ^2/NDF:1208.1/4

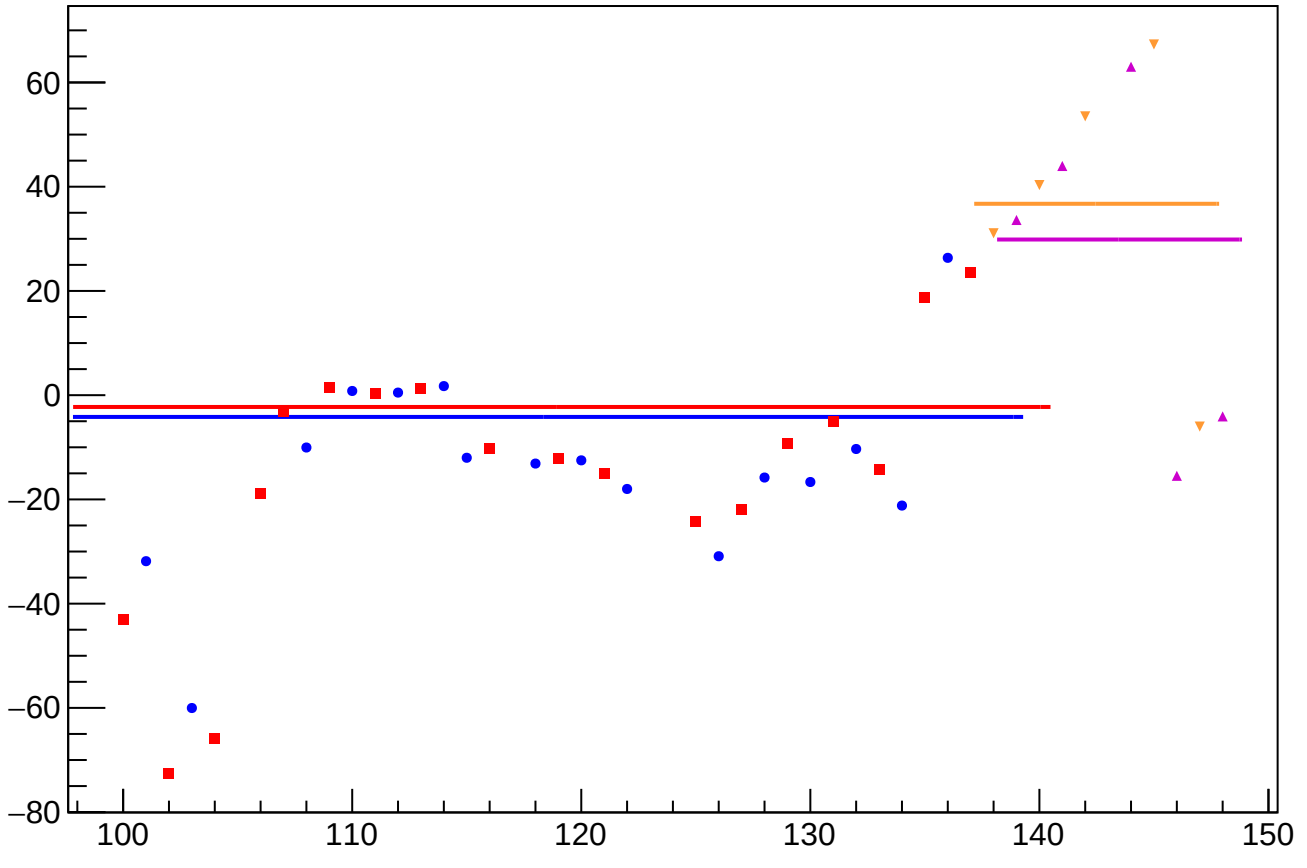
Left: -0.294+/-0.003 χ^2/NDF: 1982.7/10

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.274+/-0.003 χ^2/NDF:12586.2/20

Out: -0.239+/-0.003 χ^2/NDF:16044.8/24

All: -0.256+/-0.002 χ^2/NDF: 28694.7/45



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 36.723+/-0.120 χ^2/NDF:25416.2/4

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 29.867+/-0.112 χ^2/NDF:52027.9/4

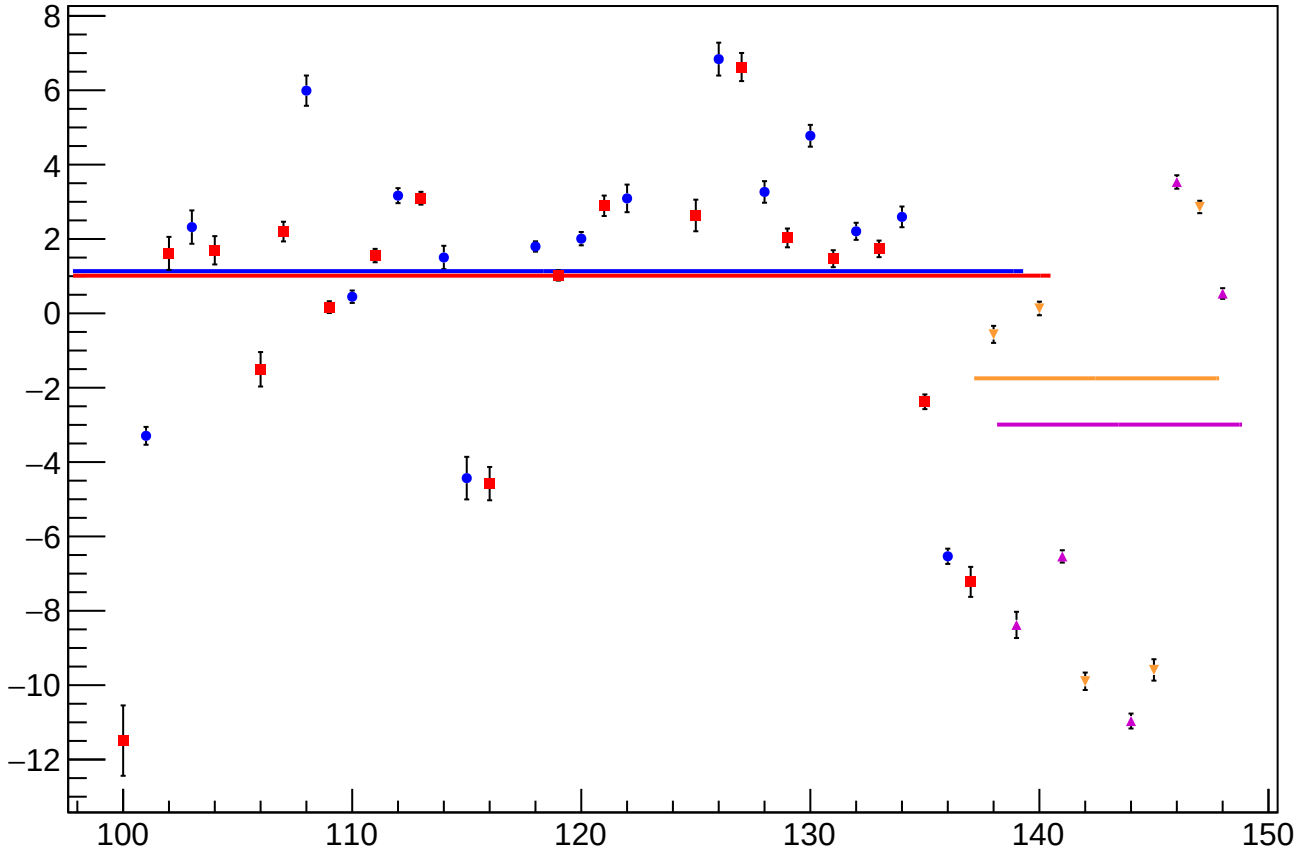
Left: 33.047+/-0.082 χ^2/NDF: 79194.1/9

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 2.370+/-0.049 χ^2/NDF:202549.4/20

Out: 2.740+/-0.043 χ^2/NDF:197018.4/22

All: 2.579+/-0.032 χ^2/NDF: 399600.0/43



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.748+/-0.093 χ^2/NDF:2845.7/4

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -2.992+/-0.082 χ^2/NDF:4167.8/4

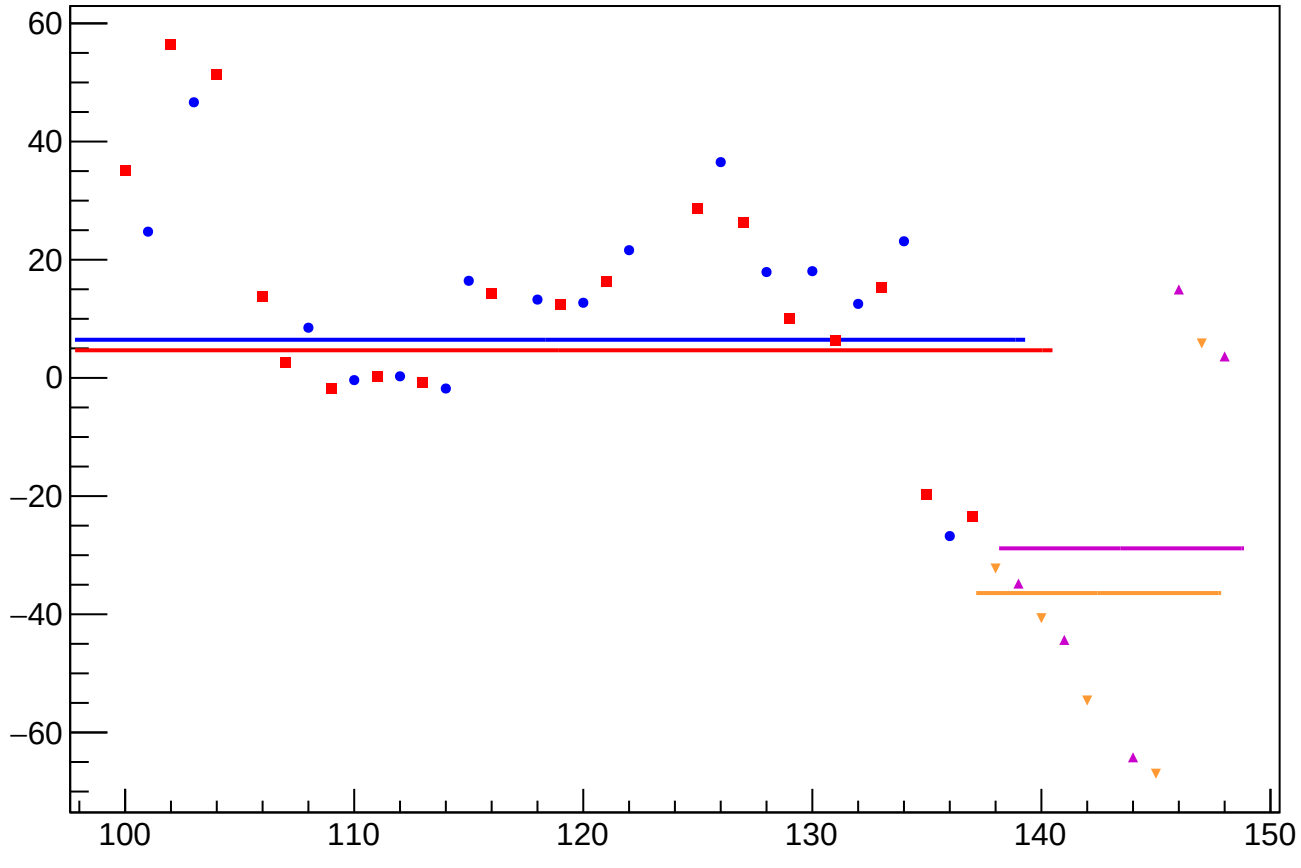
Left: -2.449+/-0.062 χ^2/NDF: 7113.8/9

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.308+/-0.049 χ^2/NDF:8408.1/20

Out: 0.259+/-0.049 χ^2/NDF:5075.9/22

All: -0.026+/-0.034 χ^2/NDF: 13552.0/43



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -36.407+/-0.123 χ^2/NDF:26690.8/4

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -28.842+/-0.113 χ^2/NDF:55197.9/4

Left: -32.300+/-0.083 χ^2/NDF: 83954.6/9

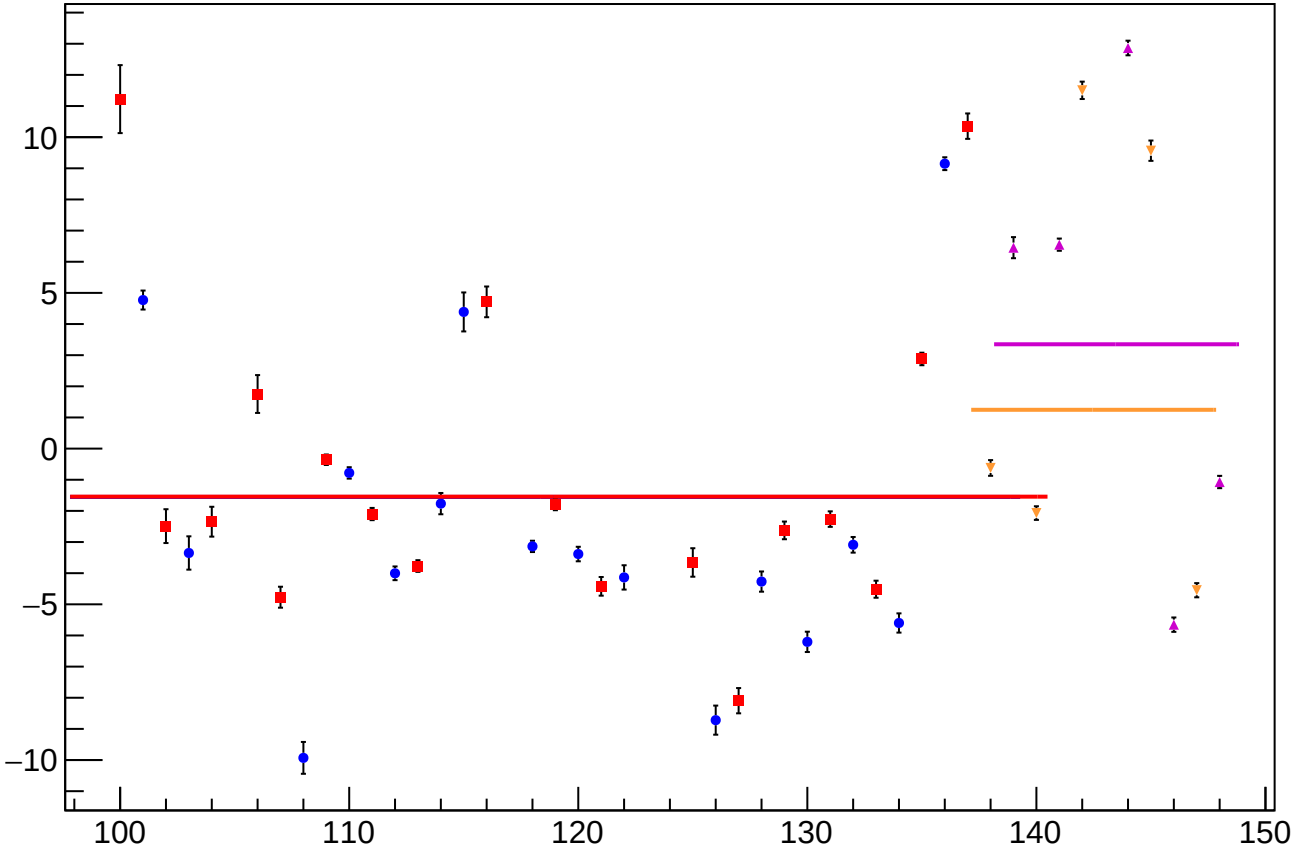
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -2.367+/-0.056 χ^2/NDF:199815.7/20

Out: -3.064+/-0.053 χ^2/NDF:192197.2/22

All: -2.735+/-0.039 χ^2/NDF: 392093.9/43

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: 1.246+/-0.113 χ^2/NDF:2931.5/4

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 3.350+/-0.101 χ^2/NDF:4008.4/4

Left: 2.413+/-0.076 χ^2/NDF: 7131.4/9

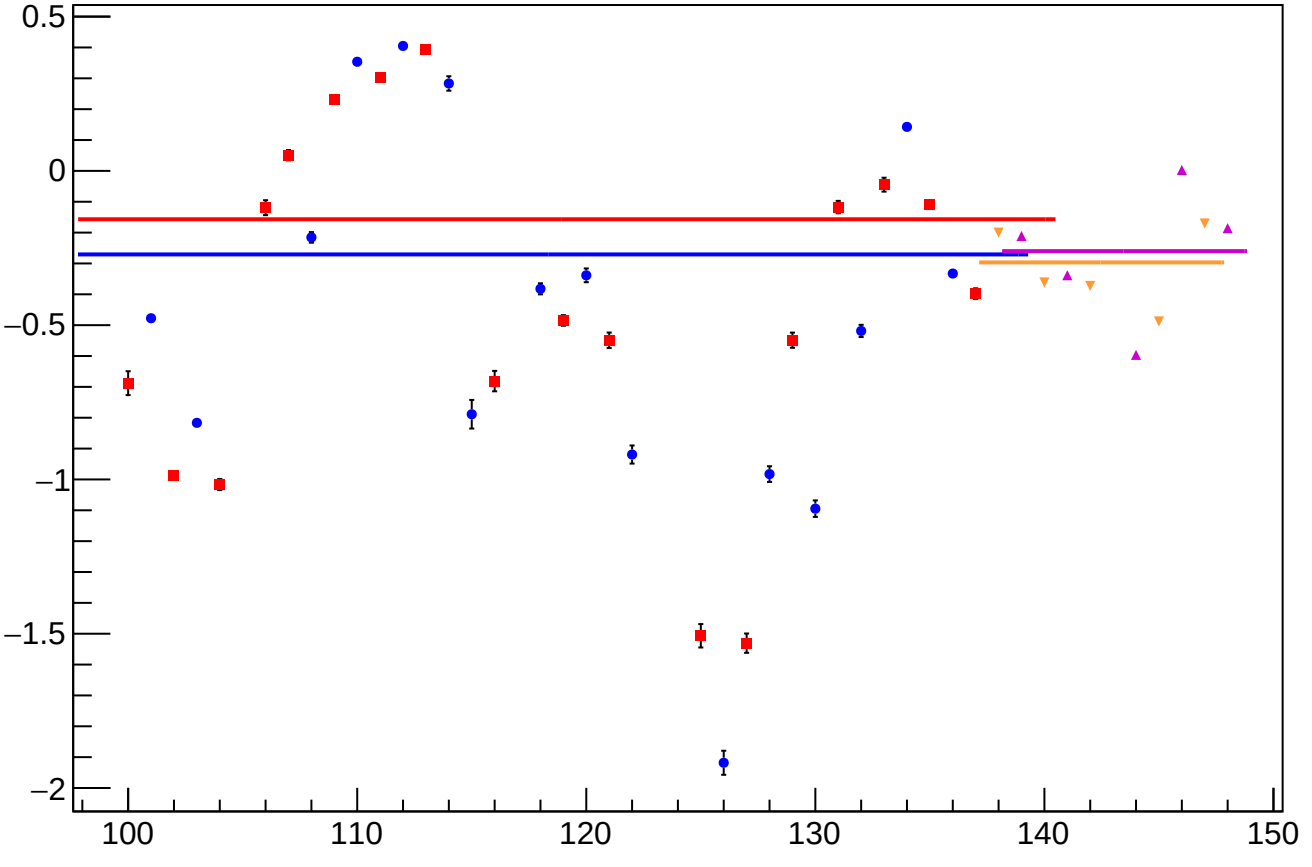
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: 0.008+/-0.057 χ^2/NDF:10143.5/20

Out: -0.858+/-0.056 χ^2/NDF:5862.6/22

All: -0.434+/-0.040 χ^2/NDF: 16123.0/43

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: -0.297+/-0.005 χ^2/NDF:473.8/4

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.260+/-0.004 χ^2/NDF:1267.1/4

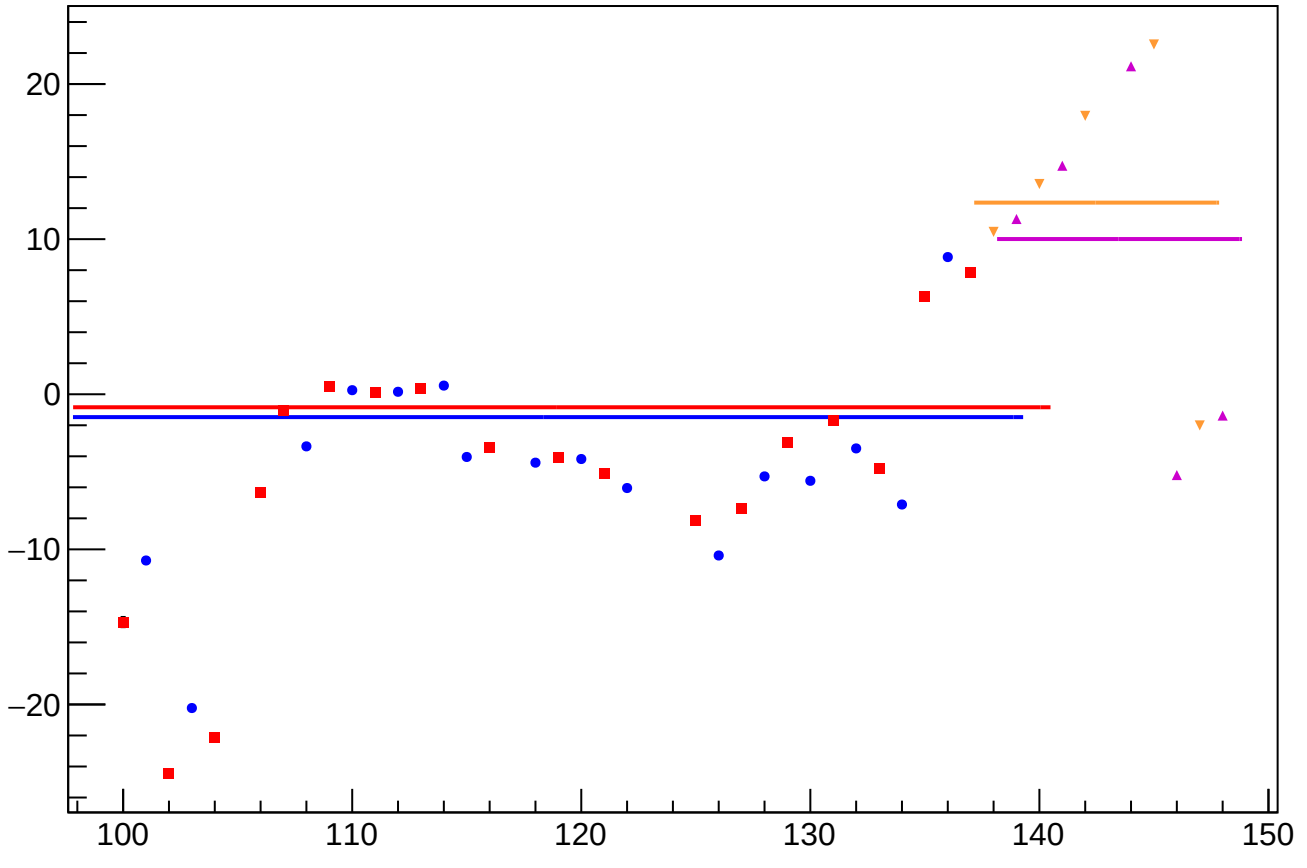
Left: -0.276+/-0.003 χ^2/NDF: 1770.6/9

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.266+/-0.003 χ^2/NDF:13366.2/20

Out: -0.208+/-0.003 χ^2/NDF:15986.3/22

All: -0.237+/-0.002 χ^2/NDF: 29537.1/43



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 12.356+/-0.041 χ^2/NDF:25029.1/4

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 10.008+/-0.038 χ^2/NDF:51306.8/4

Left: 11.095+/-0.028 χ^2/NDF: 78119.8/9

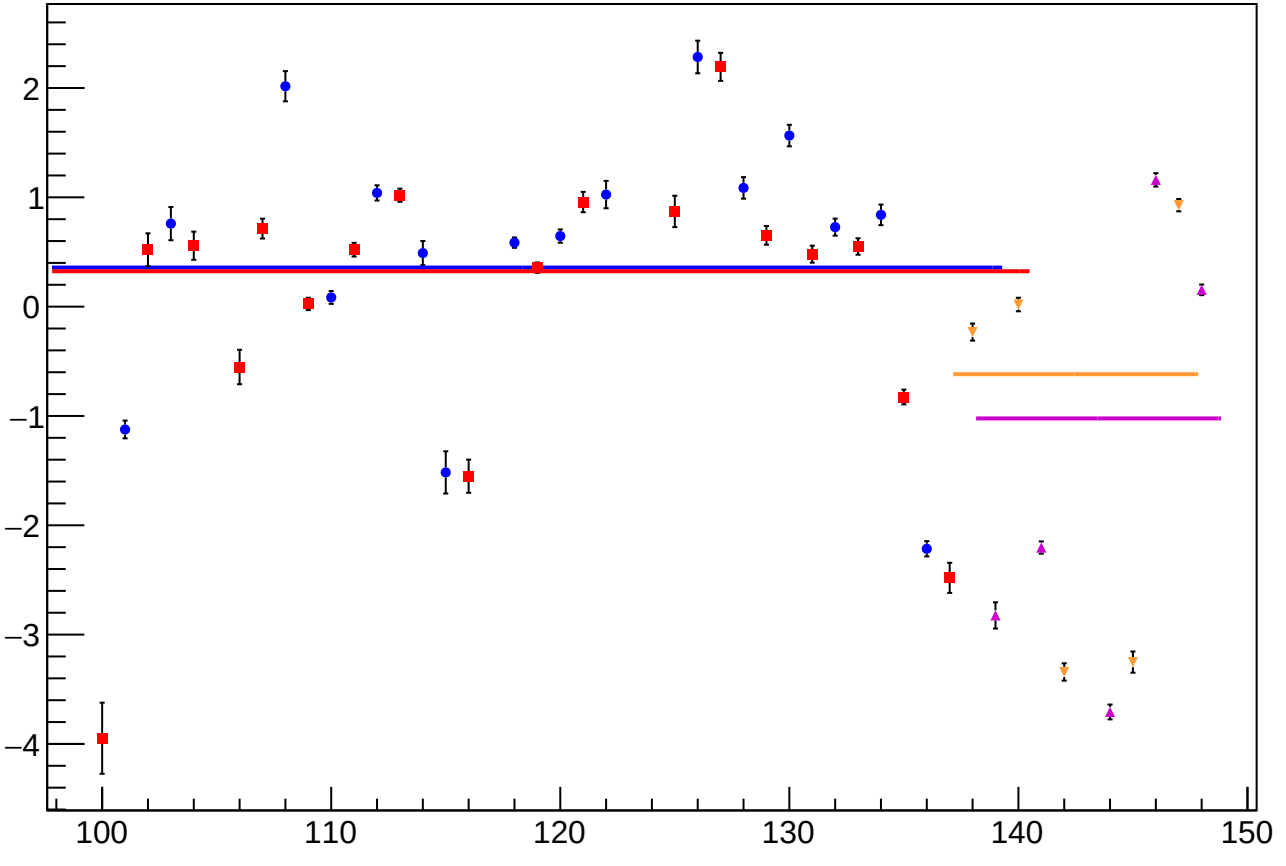
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.787+/-0.017 χ^2/NDF:198972.1/20

Out: 0.931+/-0.015 χ^2/NDF:193871.7/22

All: 0.868+/-0.011 χ^2/NDF: 392884.5/43

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: -0.618+/-0.032 χ^2/NDF:2801.0/4

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.023+/-0.028 χ^2/NDF:4091.8/4

Left: -0.846+/-0.021 χ^2/NDF: 6985.4/9

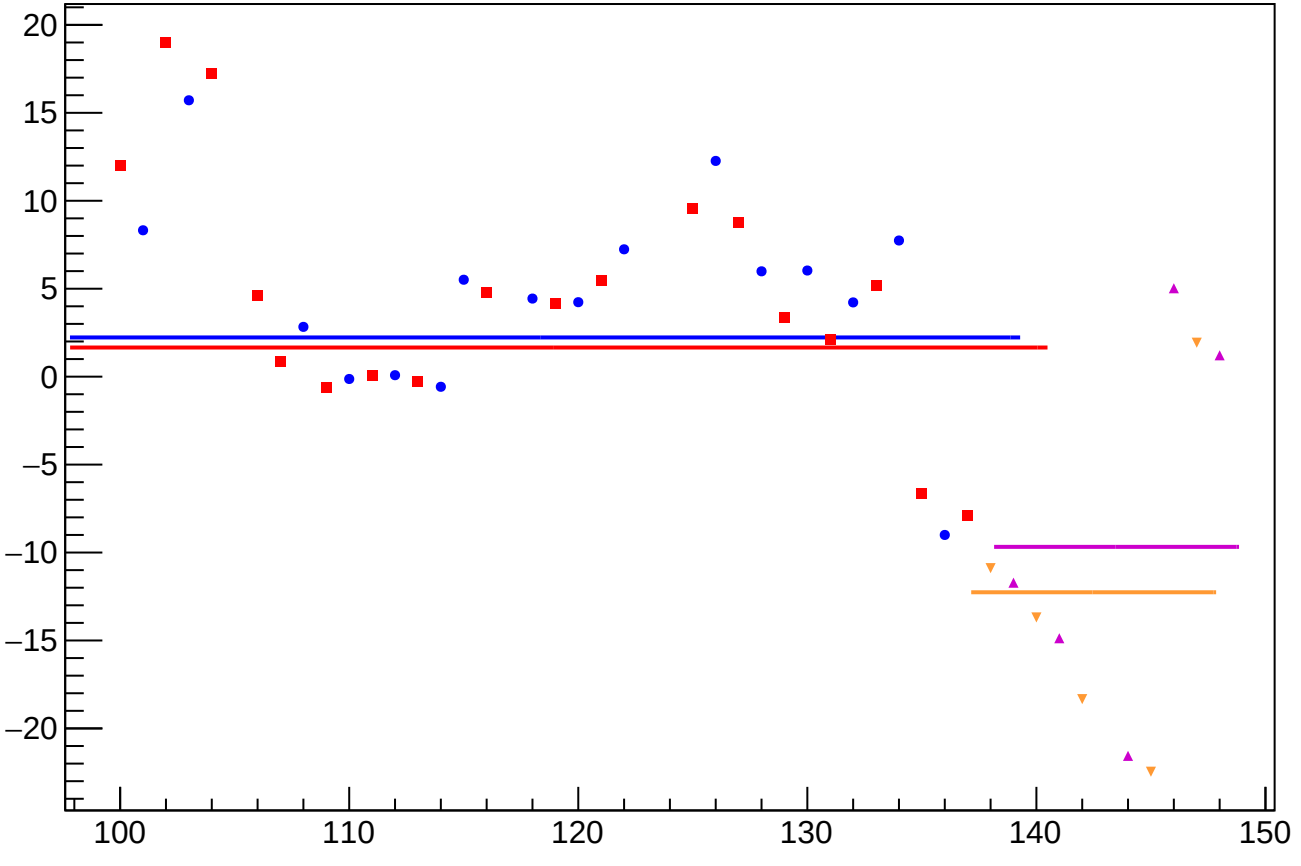
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.132+/-0.017 χ^2/NDF:8227.7/20

Out: 0.060+/-0.017 χ^2/NDF:5000.1/22

All: -0.037+/-0.012 χ^2/NDF: 13294.3/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -12.259+/-0.042 χ^2/NDF:26313.1/4

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -9.677+/-0.038 χ^2/NDF:54437.4/4

Left: -10.856+/-0.028 χ^2/NDF: 82842.8/9

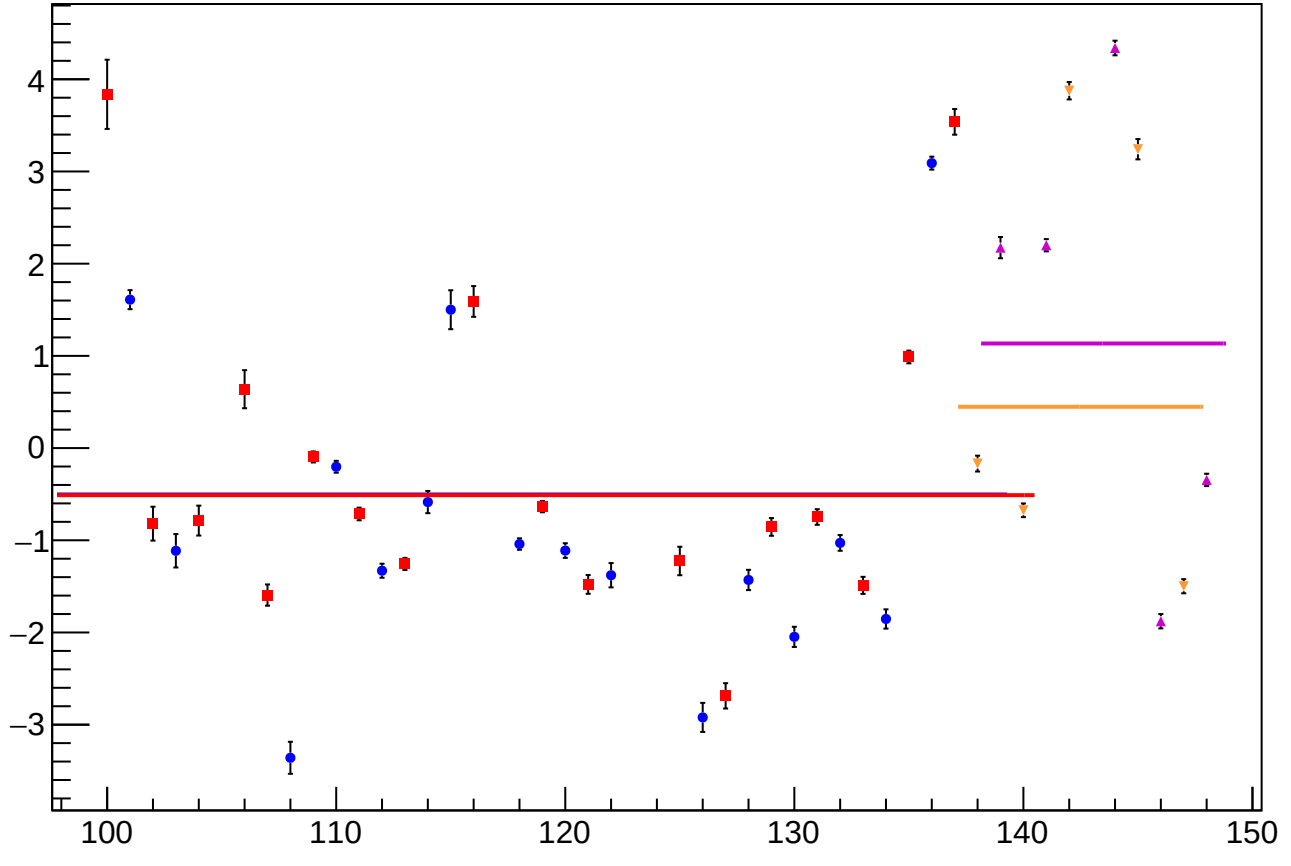
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.796+/-0.019 χ^2/NDF:196332.4/20

Out: -1.049+/-0.018 χ^2/NDF:189179.6/22

All: -0.929+/-0.013 χ^2/NDF: 385602.8/43

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: 0.448+/-0.038 χ^2/NDF:2883.9/4

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 1.134+/-0.034 χ^2/NDF:3948.2/4

Left: 0.829+/-0.026 χ^2/NDF: 7009.9/9

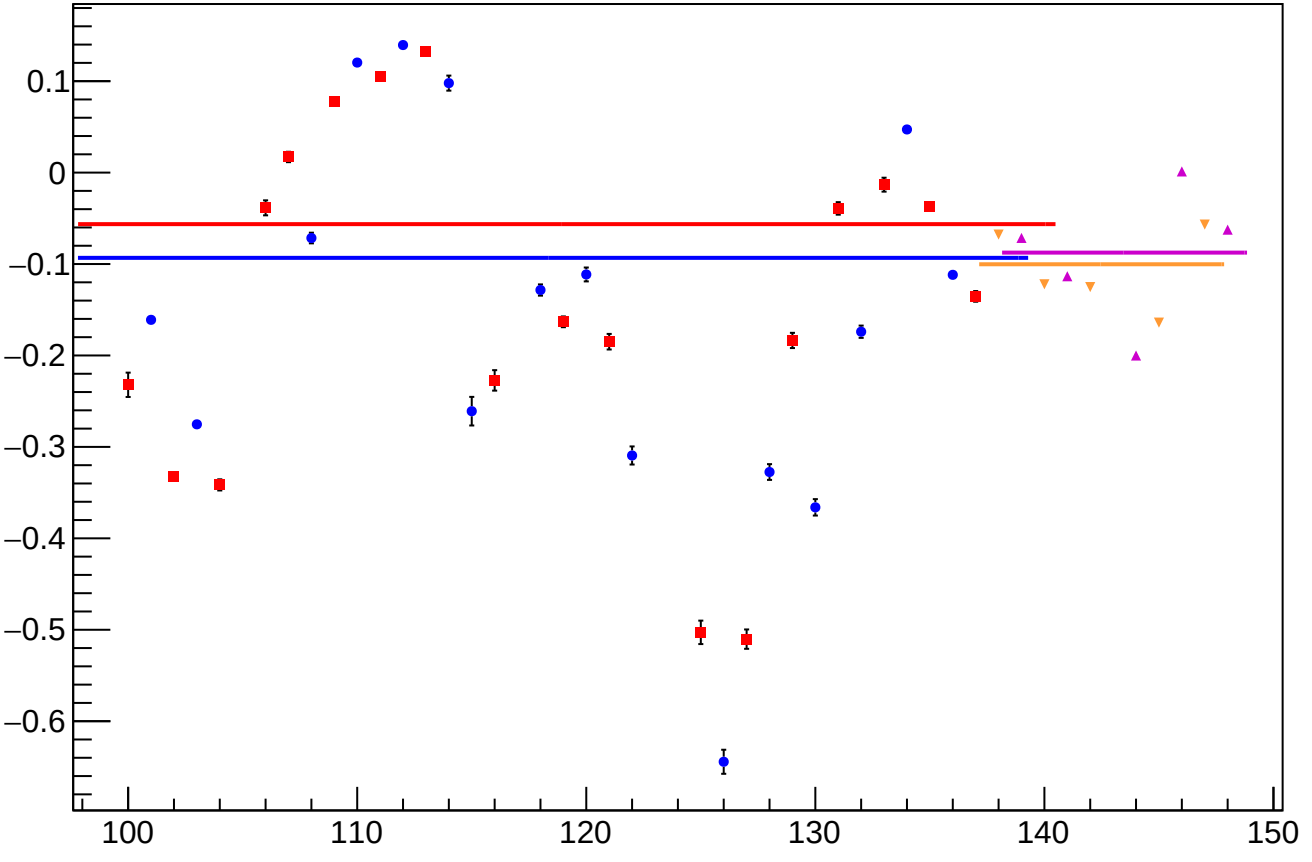
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: 0.025+/-0.020 χ^2/NDF:9935.8/20

Out: -0.269+/-0.019 χ^2/NDF:5775.2/22

All: -0.124+/-0.014 χ^2/NDF: 15826.1/43

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: -0.100+/-0.002 χ^2/NDF:466.3/4

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.088+/-0.002 χ^2/NDF:1247.1/4

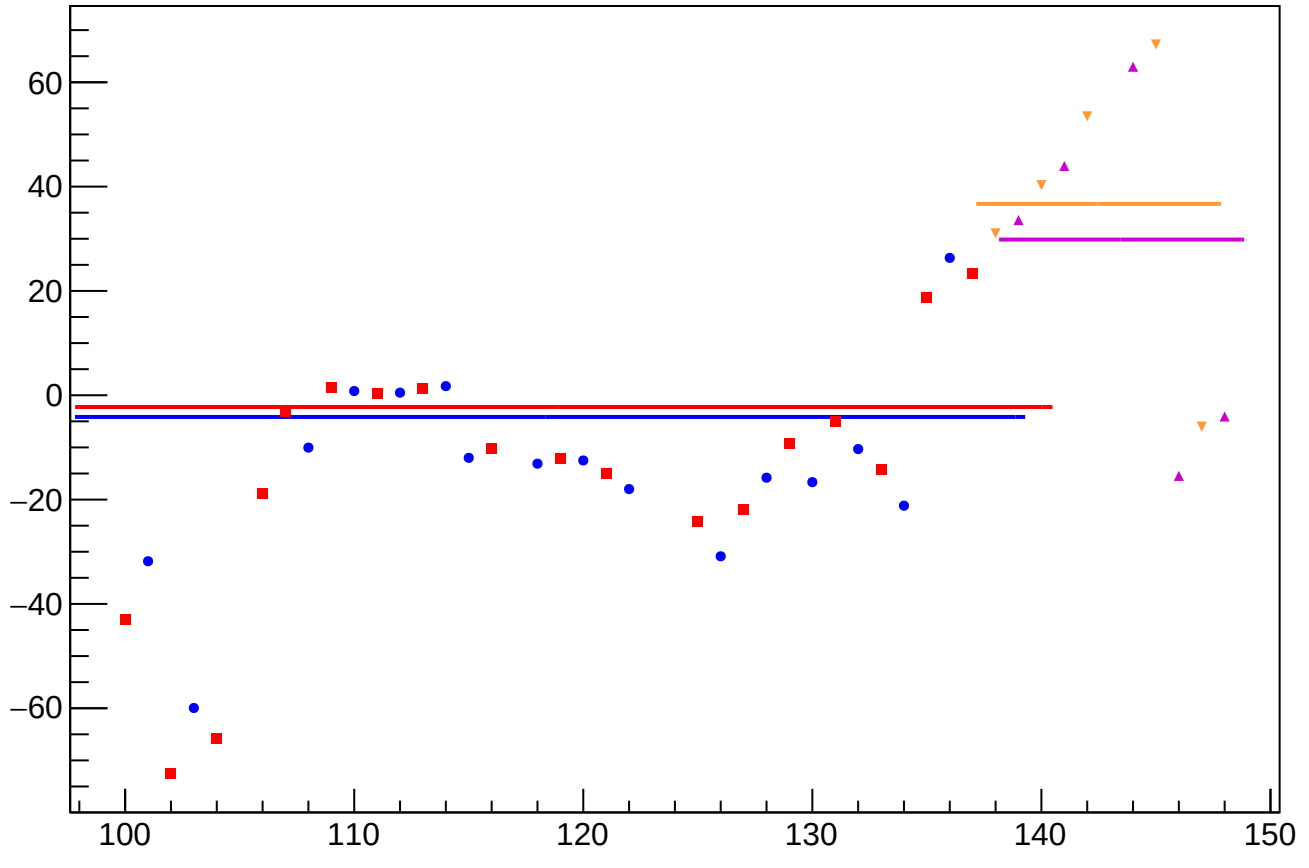
Left: -0.093+/-0.001 χ^2/NDF: 1744.7/9

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

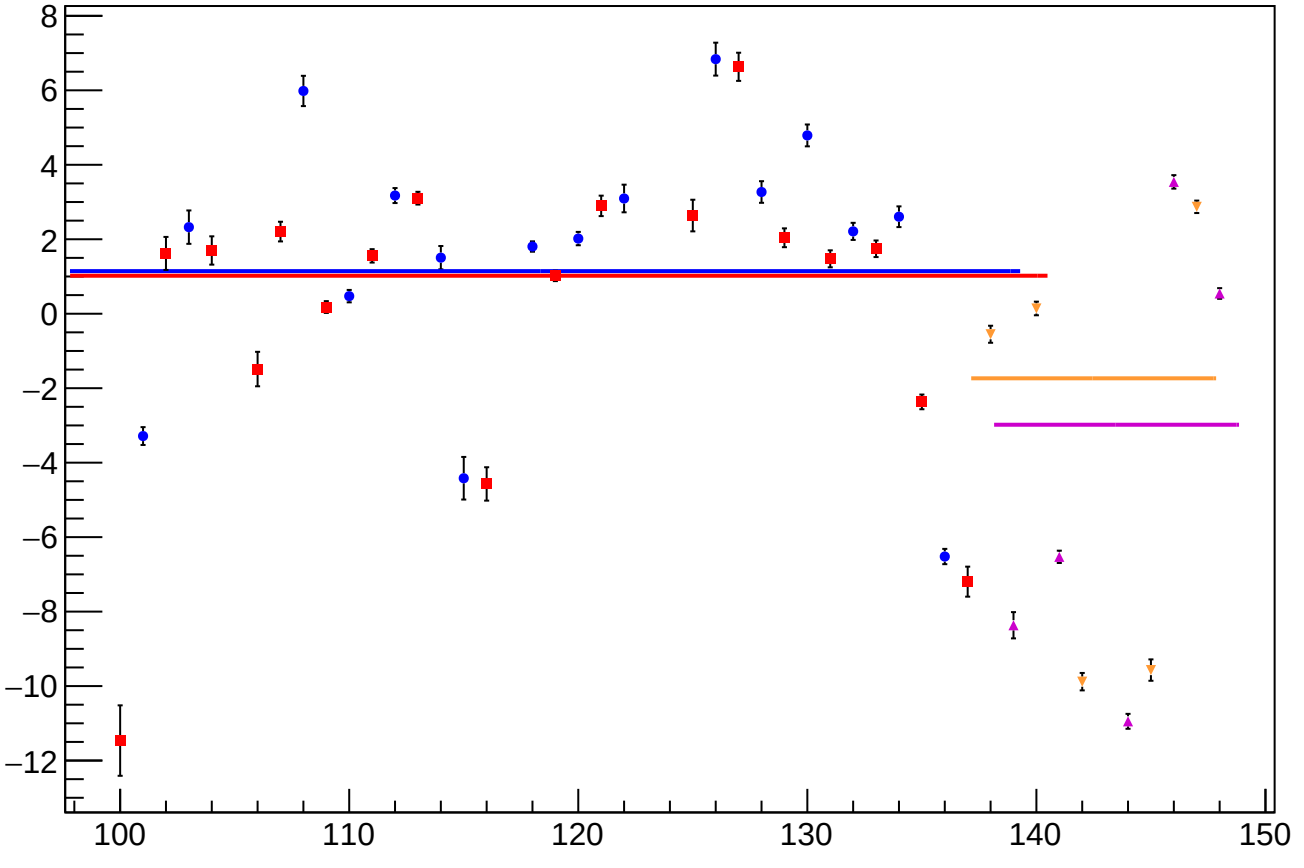
In: -0.091+/-0.001 χ^2/NDF:12997.1/20

Out: -0.073+/-0.001 χ^2/NDF:15341.0/22

All: -0.082+/-0.001 χ^2/NDF: 28489.1/43


reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: -4.159+/-0.054 χ²/NDF: 75420.4/15
Left Out: 36.691+/-0.120 χ²/NDF:25427.8/4
Right Out: -2.251+/-0.046 χ²/NDF: 79637.5/17
Left In: 29.847+/-0.112 χ²/NDF:52034.5/4
Left: 33.021+/-0.082 χ²/NDF: 79208.8/9
Right: -3.046+/-0.035 χ²/NDF: 155775.7/33
In: 2.372+/-0.049 χ²/NDF:202566.4/20
Out: 2.738+/-0.043 χ²/NDF:197019.1/22
All: 2.579+/-0.032 χ²/NDF: 399617.0/43

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: -1.735+/-0.093 χ^2/NDF:2846.8/4

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -2.981+/-0.082 χ^2/NDF:4170.1/4

Left: -2.437+/-0.062 χ^2/NDF: 7117.7/9

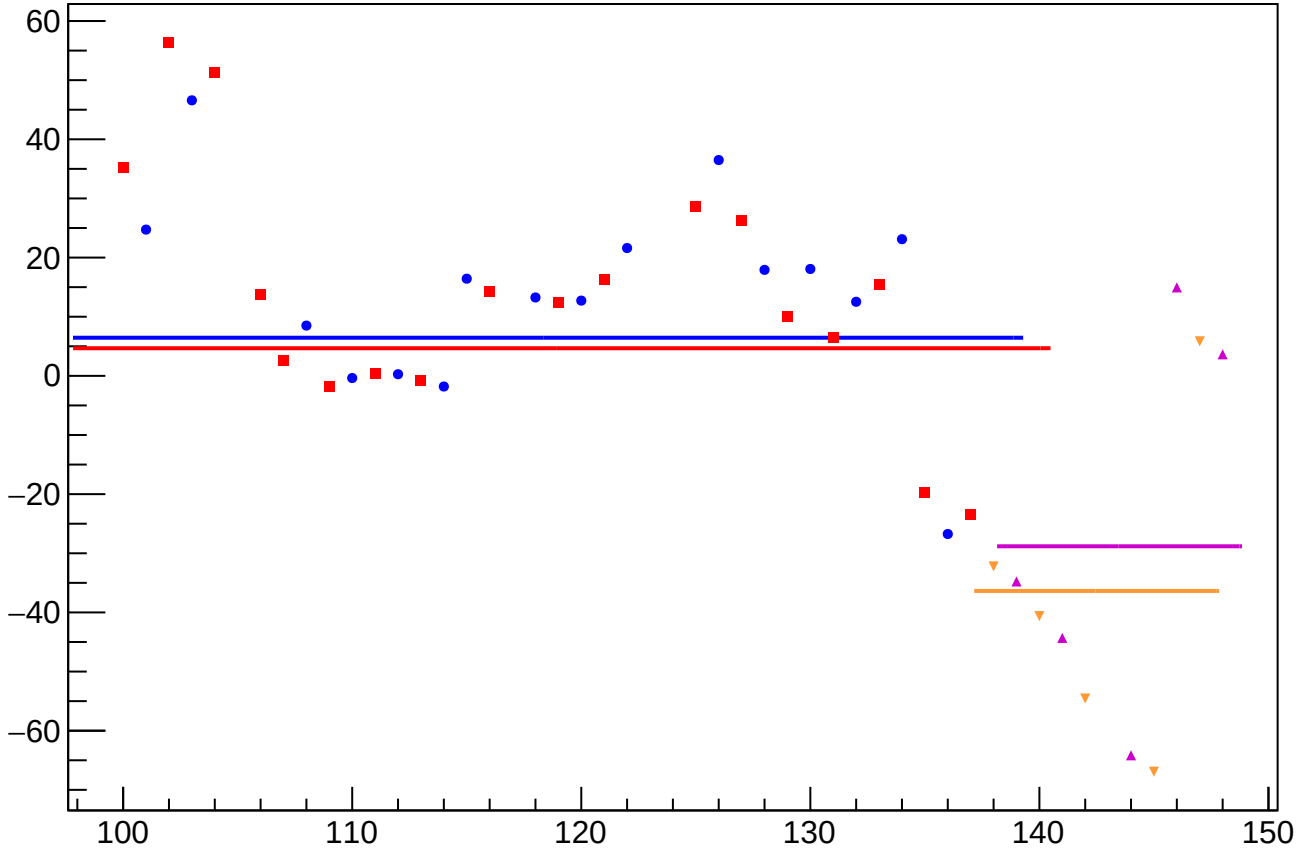
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.298+/-0.048 χ^2/NDF:8411.3/20

Out: 0.268+/-0.049 χ^2/NDF:5073.4/22

All: -0.016+/-0.034 χ^2/NDF: 13552.5/43

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -36.369+/-0.123 χ^2/NDF:26700.7/4

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -28.817+/-0.112 χ^2/NDF:55203.2/4

Left: -32.269+/-0.083 χ^2/NDF: 83966.4/9

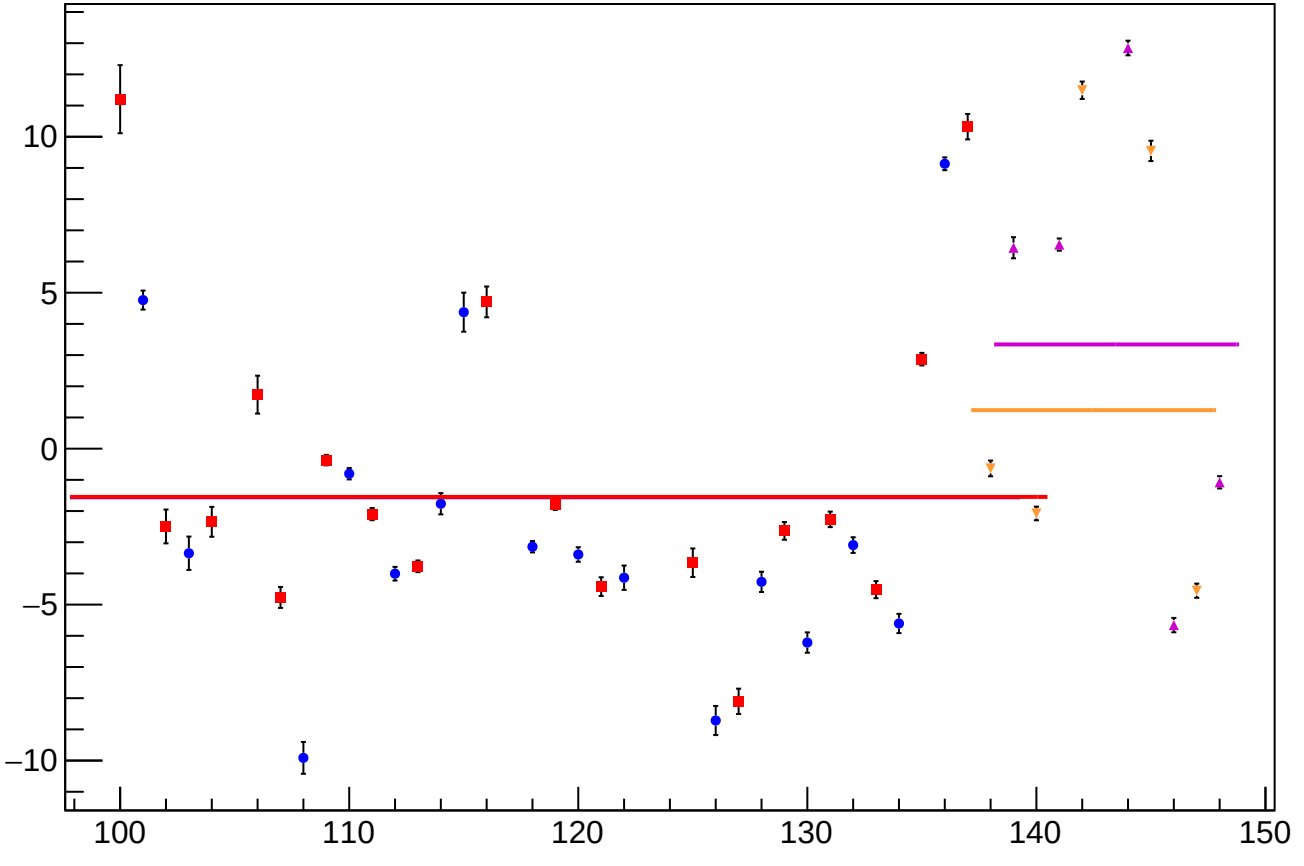
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -2.364+/-0.056 χ^2/NDF:199825.9/20

Out: -3.056+/-0.053 χ^2/NDF:192191.3/22

All: -2.729+/-0.039 χ^2/NDF: 392097.1/43

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: 1.235+/-0.113 χ^2/NDF:2932.5/4

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 3.342+/-0.101 χ^2/NDF:4009.4/4

Left: 2.403+/-0.075 χ^2/NDF: 7134.4/9

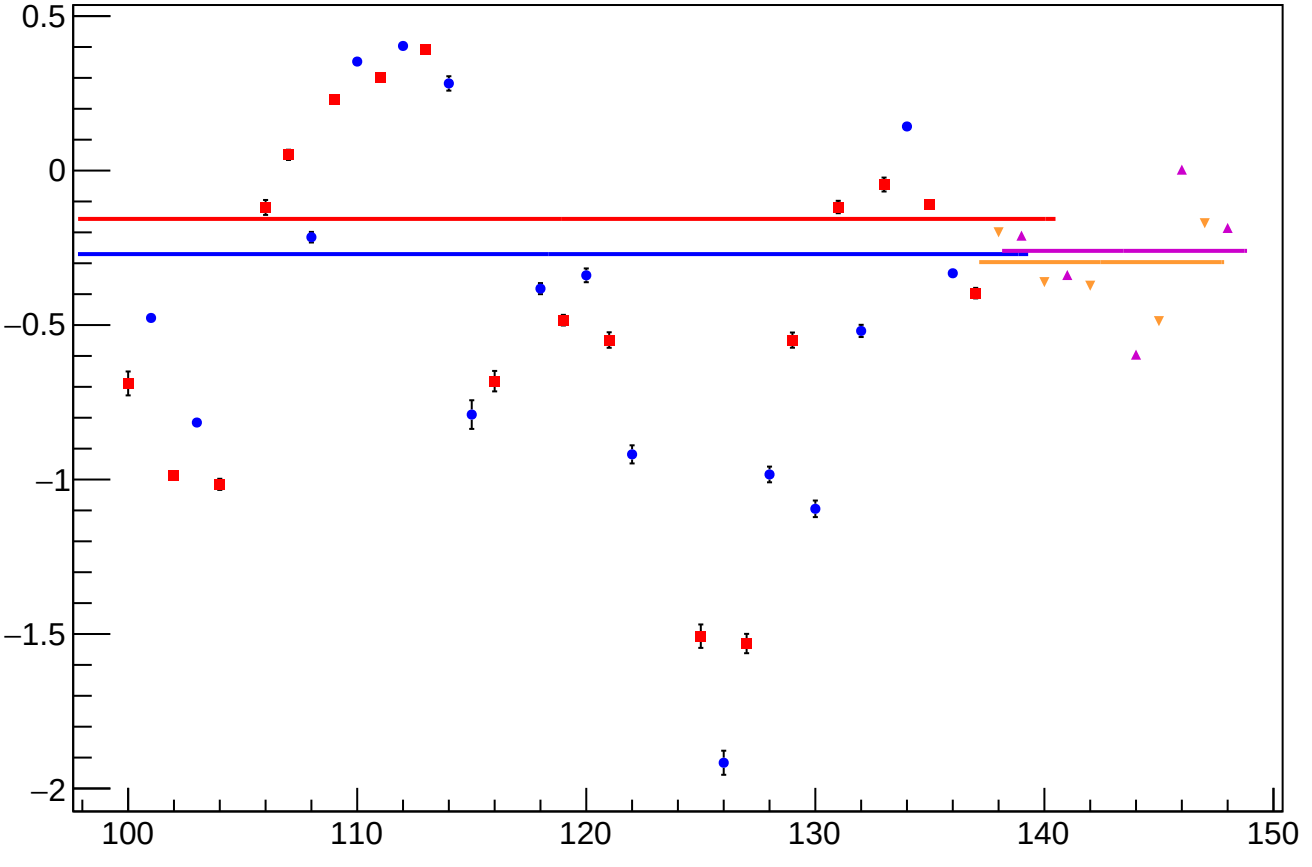
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: 0.000+/-0.057 χ^2/NDF:10145.7/20

Out: -0.864+/-0.056 χ^2/NDF:5858.9/22

All: -0.441+/-0.040 χ^2/NDF: 16121.3/43

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: -0.296+/-0.005 χ^2/NDF:473.6/4

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.260+/-0.004 χ^2/NDF:1267.4/4

Left: -0.276+/-0.003 χ^2/NDF: 1770.5/9

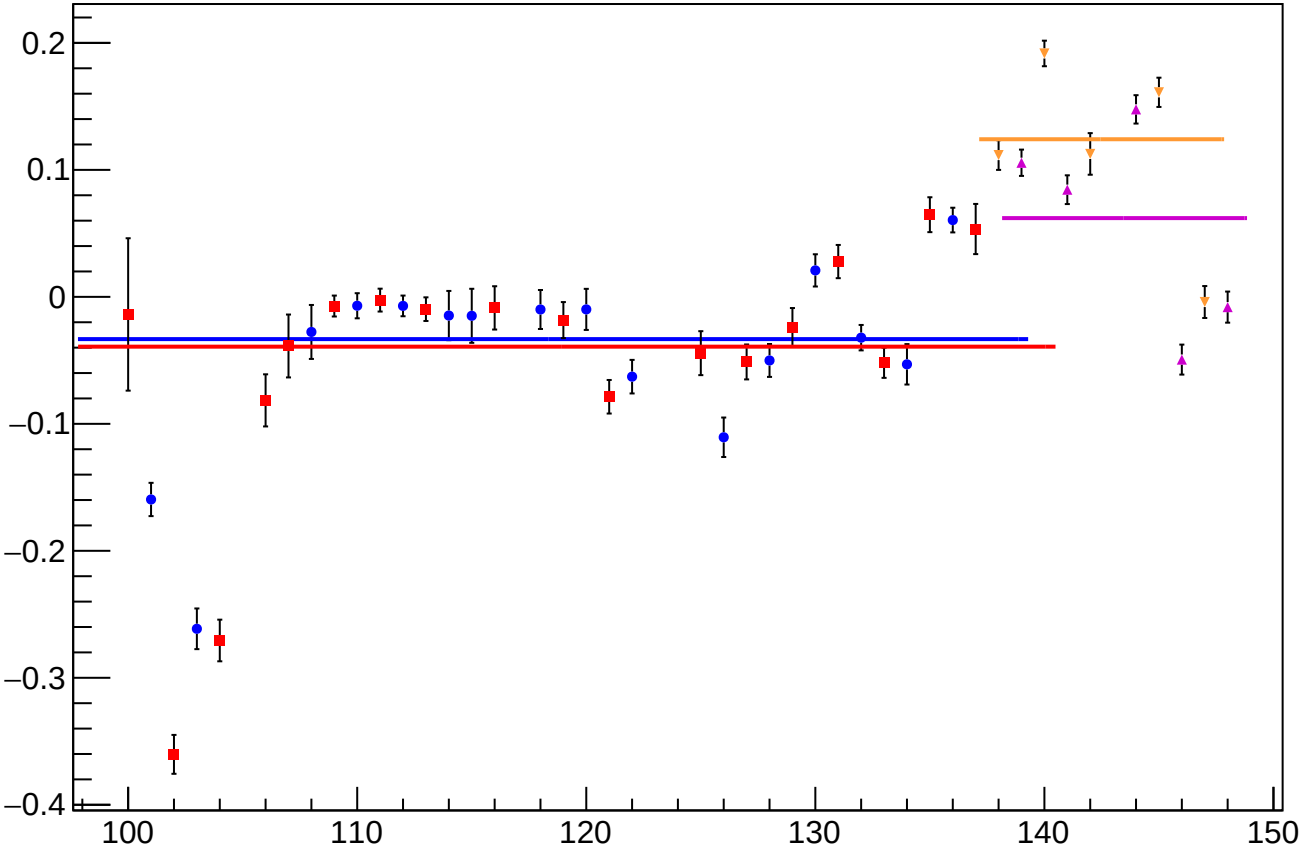
Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.265+/-0.003 χ^2/NDF:13367.2/20

Out: -0.207+/-0.003 χ^2/NDF:15998.1/22

All: -0.236+/-0.002 χ^2/NDF: 29550.9/43

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.124+/-0.005 χ^2/NDF:160.9/4

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.062+/-0.005 χ^2/NDF:202.2/4

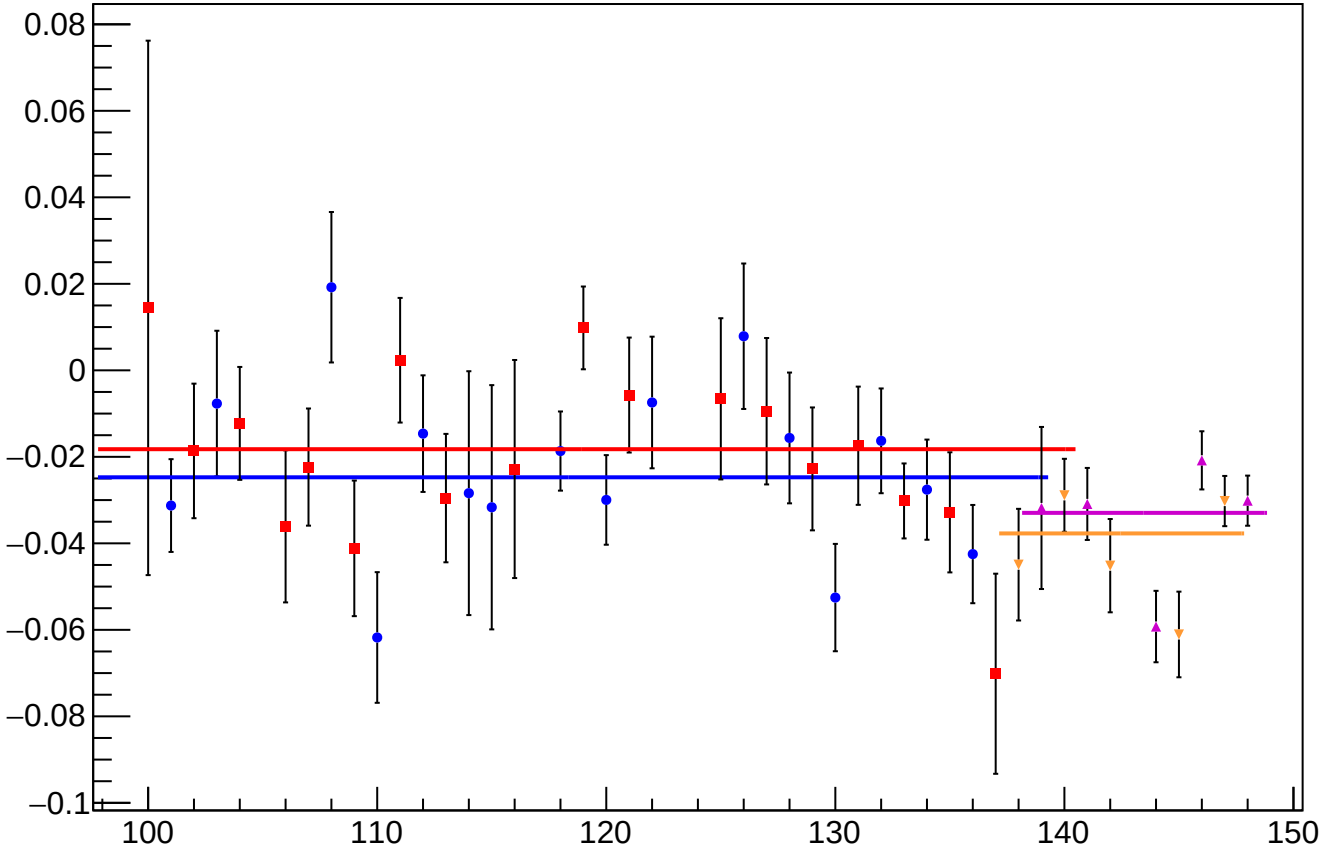
Left: 0.091+/-0.004 χ^2/NDF: 434.0/9

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.006+/-0.003 χ^2/NDF:917.9/20

Out: 0.003+/-0.003 χ^2/NDF:1654.6/22

All: -0.001+/-0.002 χ^2/NDF: 2578.2/43



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.038+/-0.004 χ^2/NDF:9.1/4

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.033+/-0.003 χ^2/NDF:13.7/4

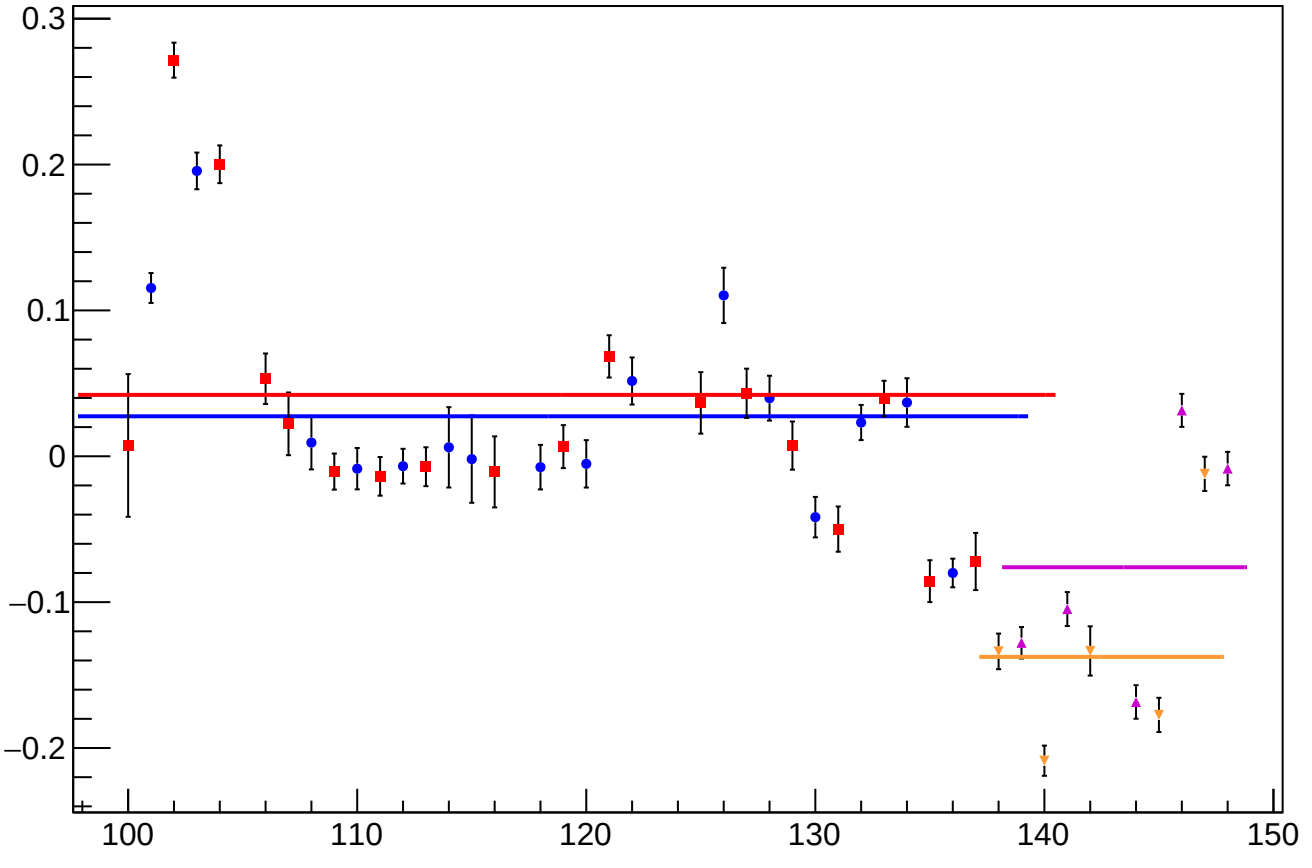
Left: -0.035+/-0.003 χ^2/NDF: 23.7/9

Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:45.2/20

Out: -0.027+/-0.003 χ^2/NDF:48.4/22

All: -0.028+/-0.002 χ^2/NDF: 93.9/43



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.138+/-0.005 χ^2/NDF:173.4/4

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.076+/-0.005 χ^2/NDF:218.7/4

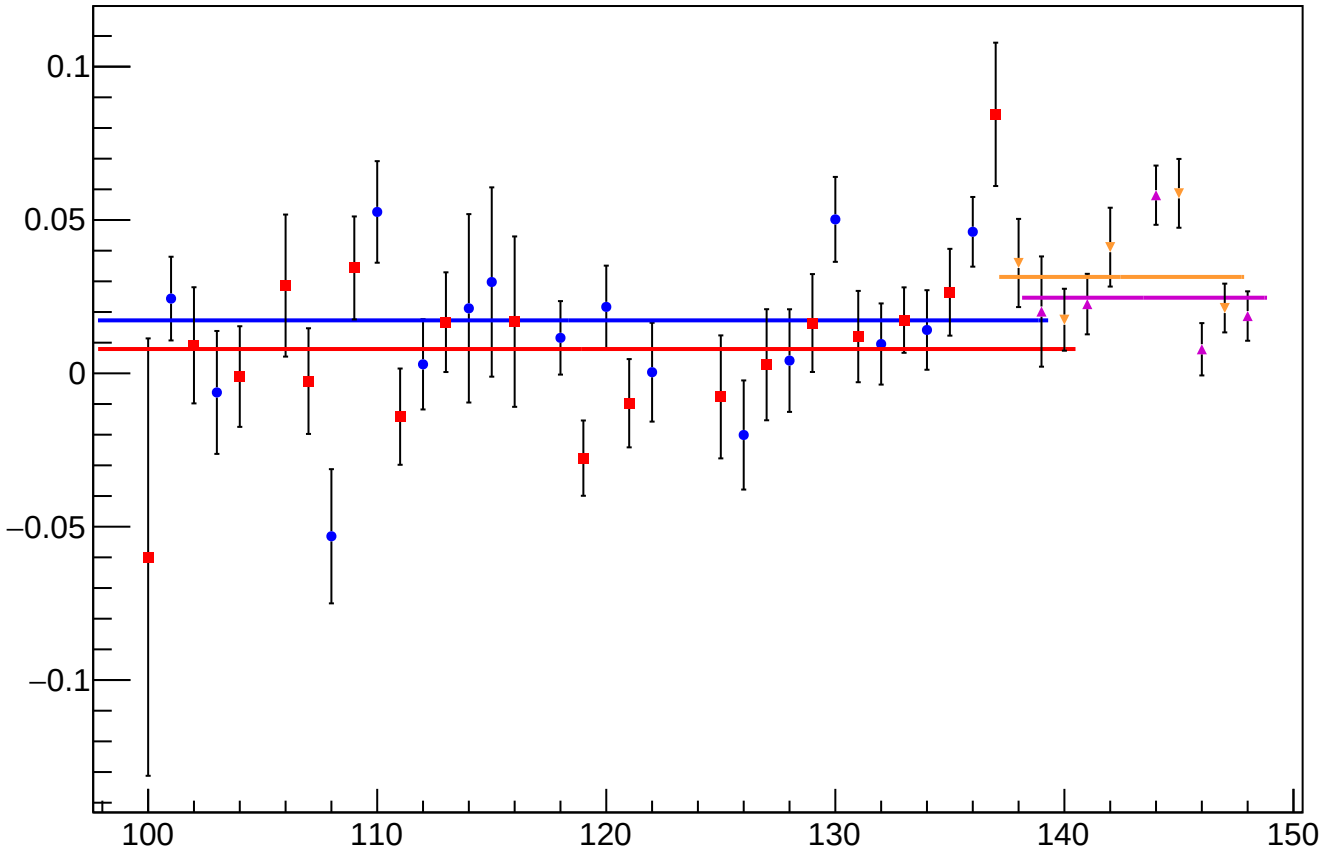
Left: -0.105+/-0.004 χ^2/NDF: 460.8/9

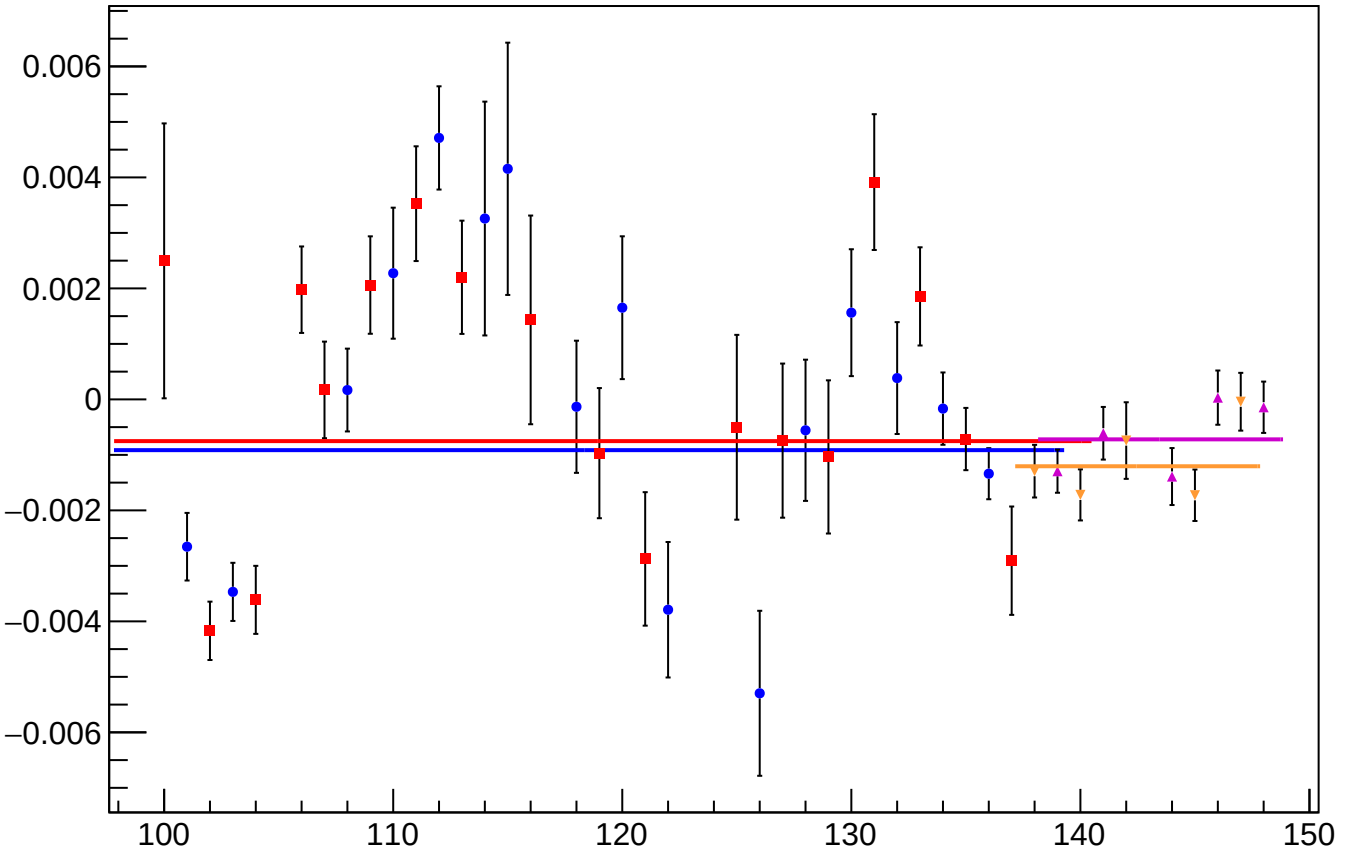
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.007+/-0.003 χ^2/NDF:943.4/20

Out: -0.014+/-0.003 χ^2/NDF:1664.0/22

All: -0.010+/-0.002 χ^2/NDF: 2610.0/43


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.031+/-0.005 χ²/NDF:10.1/4
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.025+/-0.004 χ²/NDF:16.5/4
Left: 0.028+/-0.003 χ²/NDF: 27.7/9
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.021+/-0.003 χ²/NDF:54.8/20
Out: 0.017+/-0.003 χ²/NDF:56.1/22
All: 0.019+/-0.002 χ²/NDF: 111.5/43



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:8.0/4

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:7.9/4

Left: -0.001+/-0.000 χ^2/NDF: 18.4/9

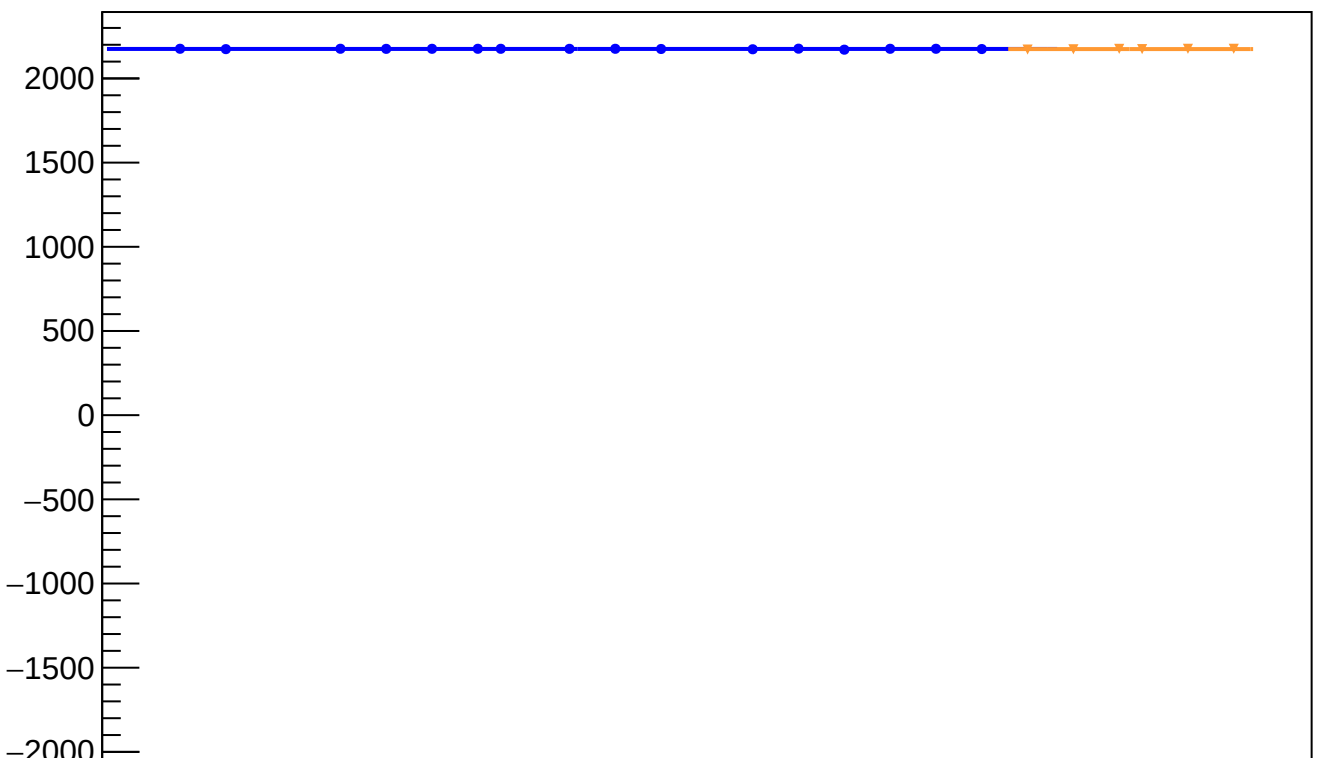
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:122.4/20

Out: -0.001+/-0.000 χ^2/NDF:157.7/22

All: -0.001+/-0.000 χ^2/NDF: 280.6/43

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.406+/-0.000 χ^2/NDF:135364063319067307036650378782310 4.0/5

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: -2173.703+/-0.000 χ^2/NDF:136431727149046144670371606115123 2.0/4

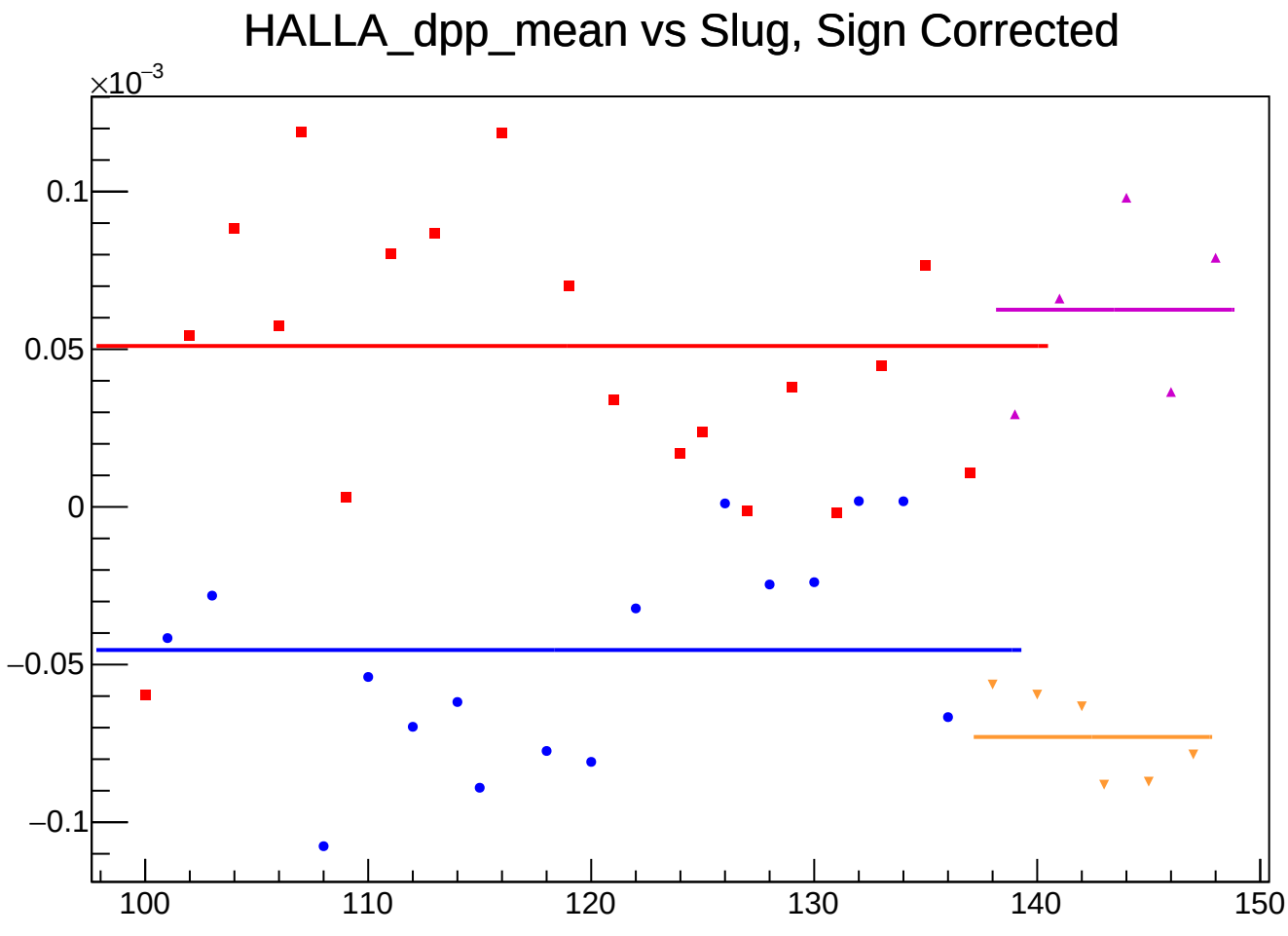
Left: 45.299+/-0.000 χ^2/NDF: 434181187683138 82

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 11

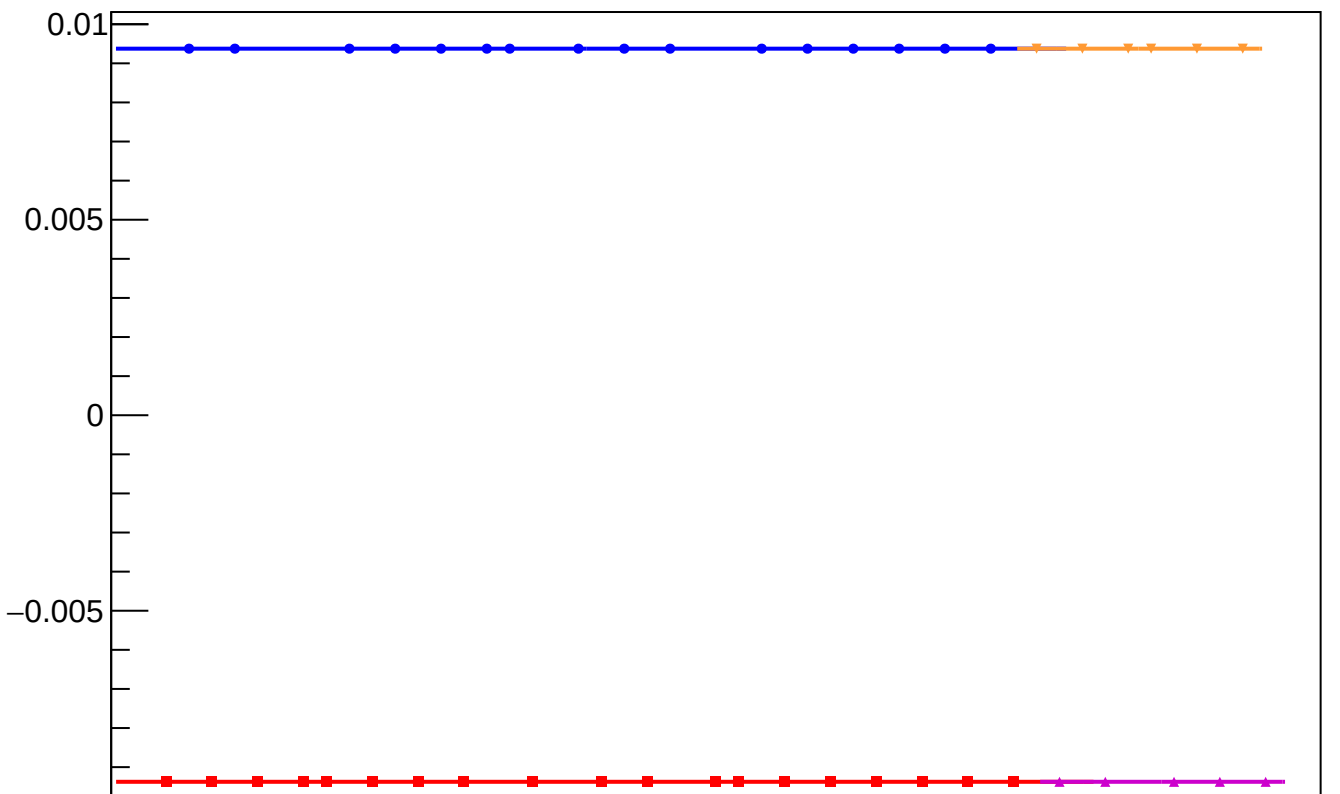
In: 532.038+/-0.000 χ^2/NDF:529515749906726 82

Out: -518.841+/-0.000 χ^2/NDF:549303154386679

All: -2.293+/-0.000 χ^2/NDF: 114569563467 4


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:81174109049104443113472.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:29982717527275531036262 4.0/4
Left: -0.000+/-0.000 χ²/NDF: 45965370527770893
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: -0.000+/-0.000 χ²/NDF:427317749239928824
Out: 0.000+/-0.000 χ²/NDF:55582708202192645 7
All: -0.000+/-0.000 χ²/NDF: 9874588590129

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/4

Left: 0.000+/-0.000 χ^2/NDF: 807369593307940826

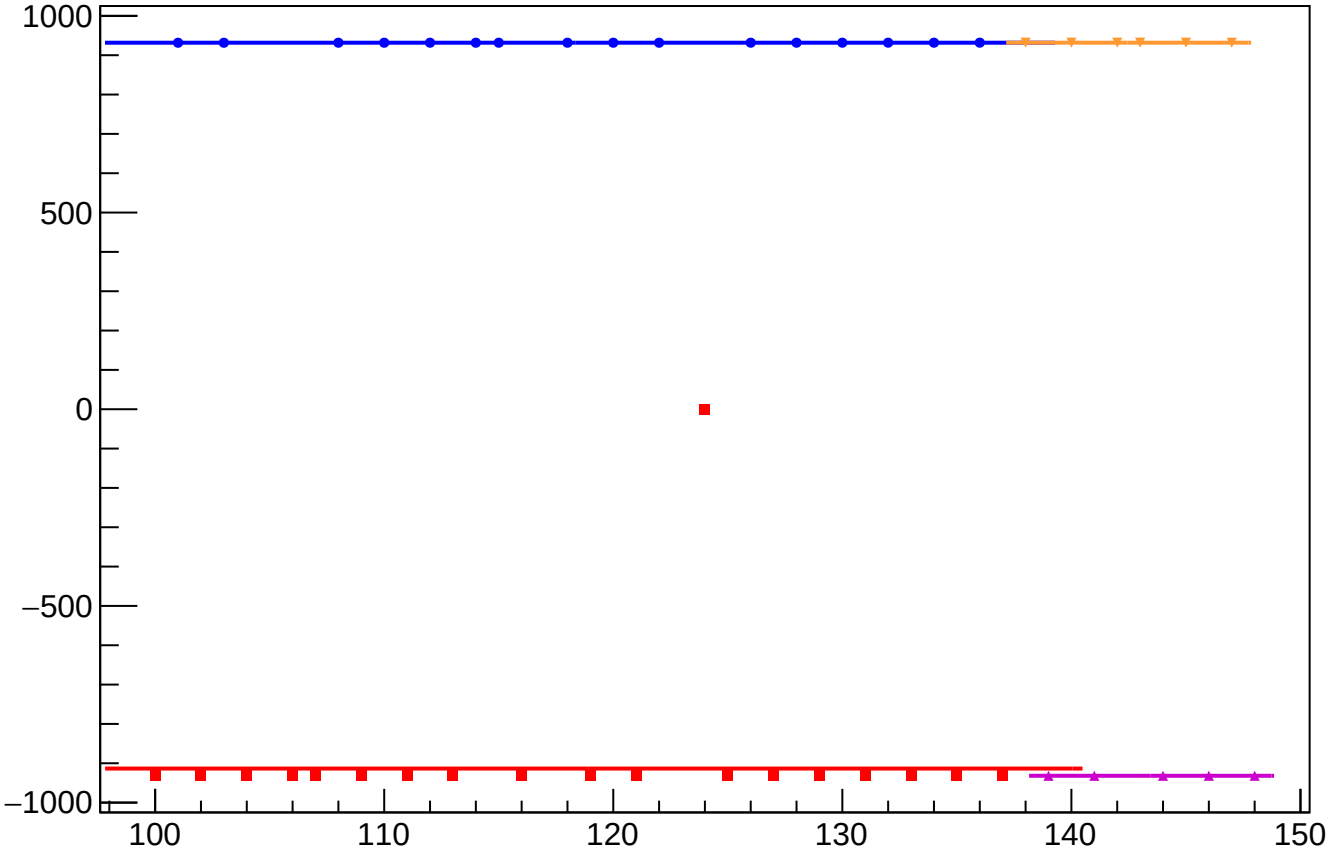
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: -0.000+/-0.000 χ^2/NDF: 2129586579137

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.838+/-0.000 χ^2/NDF:159208629924967047621344703283 2.0/5

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.816+/-0.000 χ^2/NDF:19923735496352574692041980641 28.0/4

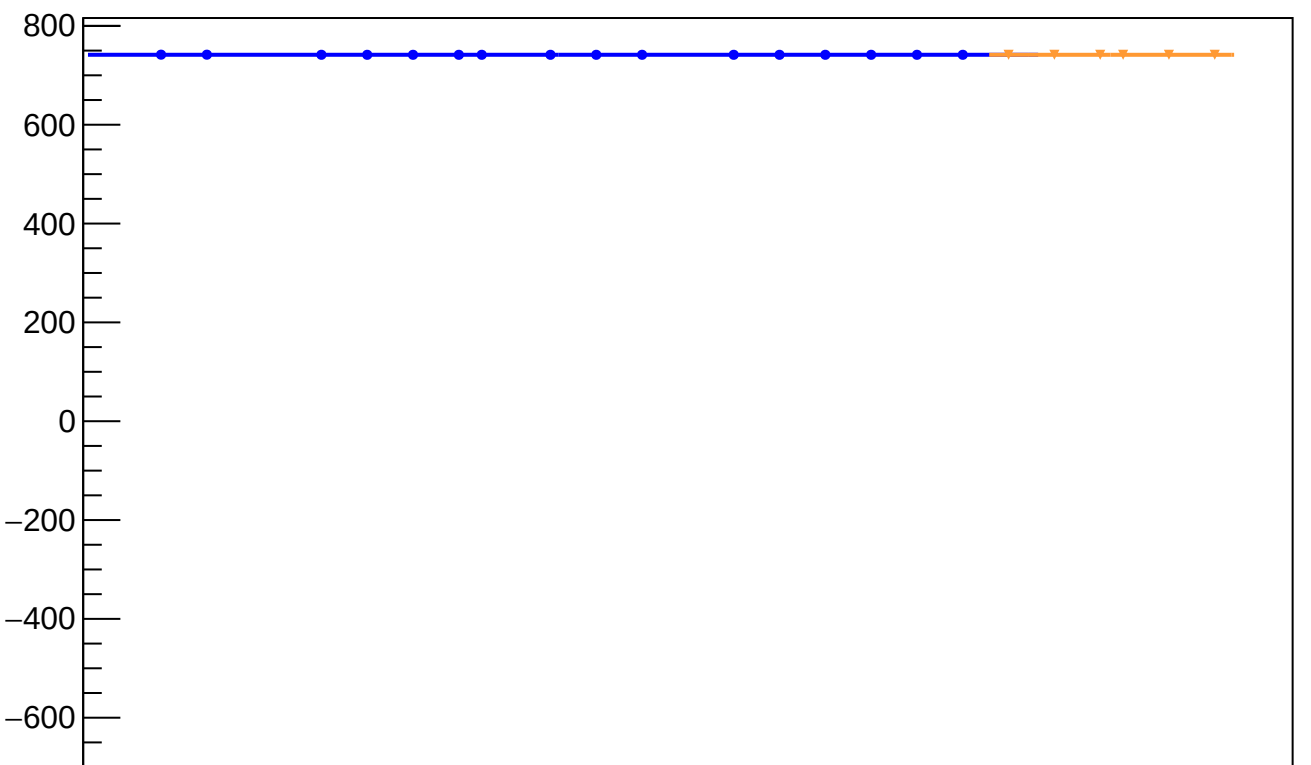
Left: 19.276+/-0.000 χ^2/NDF: 7976281575984746

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 227.644+/-0.000 χ^2/NDF:97233872166691136

Out: -210.981+/-0.000 χ^2/NDF:100180494682699

All: 4.620+/-0.000 χ^2/NDF: 20906512709074



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:126164250705466318065279959 04.0/5

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.528+/-0.000 χ^2/NDF:574591401221469547333576294 4.0/4

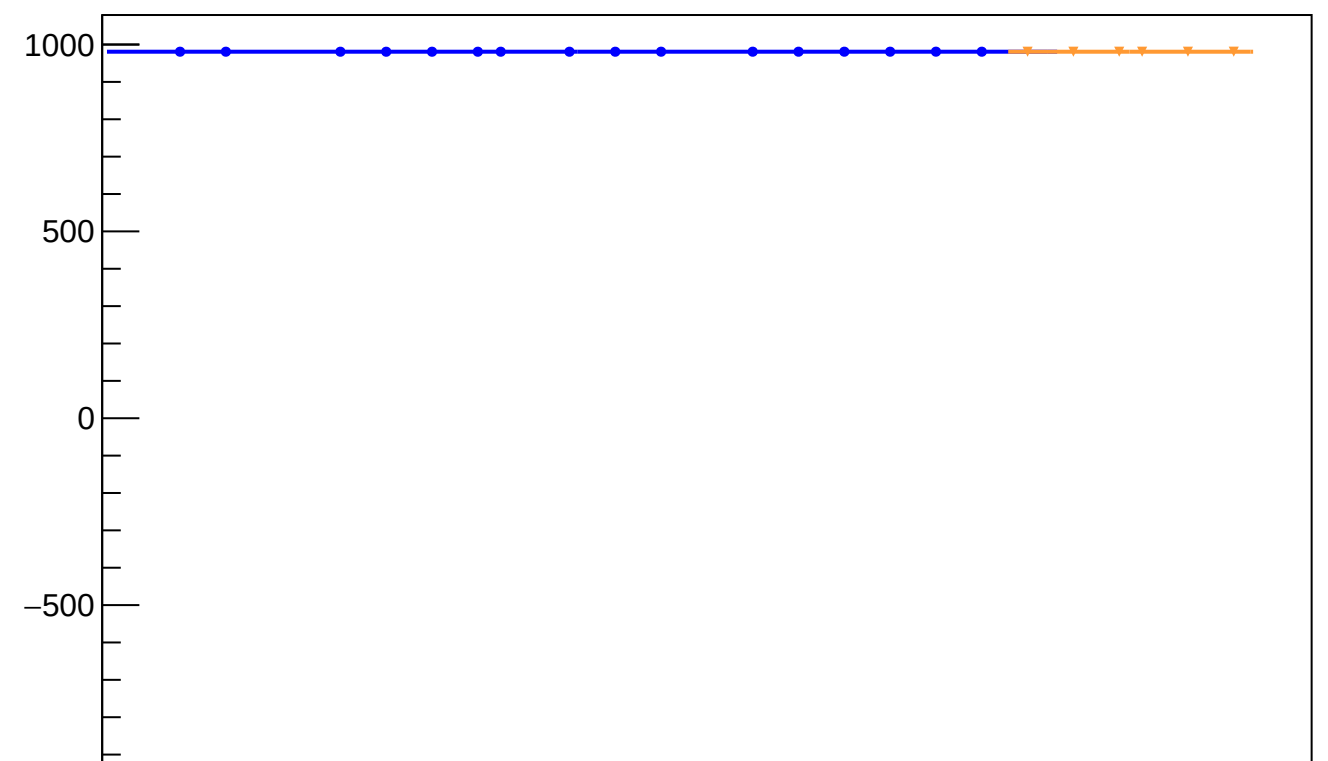
Left: 15.330+/-0.000 χ^2/NDF: 505108072146860 01

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 181.205+/-0.000 χ^2/NDF:615826170791332 82

Out: -176.986+/-0.000 χ^2/NDF:63889508870571 6

All: -0.921+/-0.000 χ^2/NDF: 133241719482 1



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.778+/-0.000 χ^2/NDF:4020790757658469617249550336000.0/5

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -980.796+/-0.000 χ^2/NDF:74255371965095819278767515238400.0/4

Left: 20.268+/-0.000 χ^2/NDF: 88364723700613660

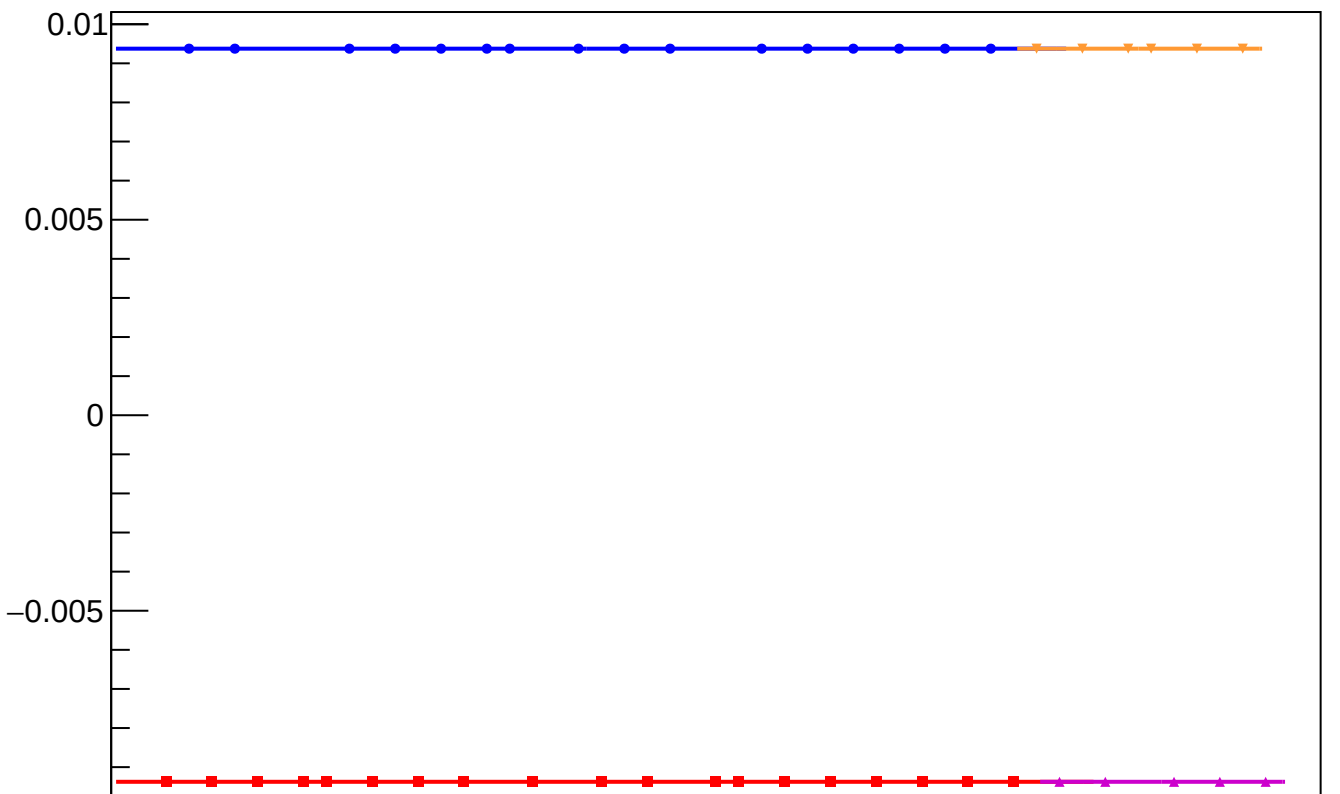
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: 239.645+/-0.000 χ^2/NDF:10773075699311445

Out: -234.016+/-0.000 χ^2/NDF:111754316651177

All: -1.193+/-0.000 χ^2/NDF: 2330715166945

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/4

Left: 0.000+/-0.000 χ^2/NDF: 807369593307940826

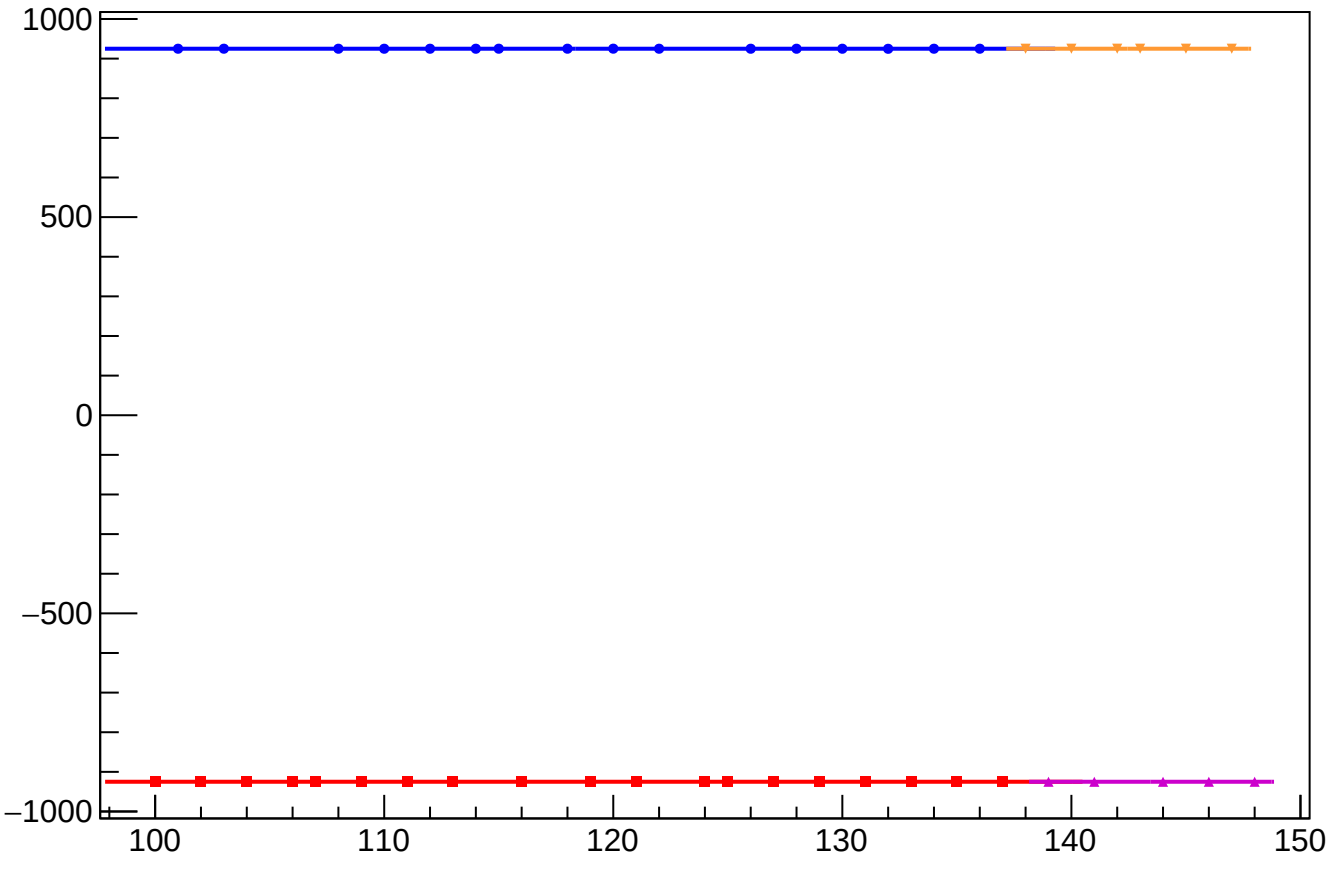
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: -0.000+/-0.000 χ^2/NDF: 2129586579137

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:1462335470787013657734257049 60.0/5

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.992+/-0.000 χ^2/NDF:17035144048484348154521164185 6.0/4

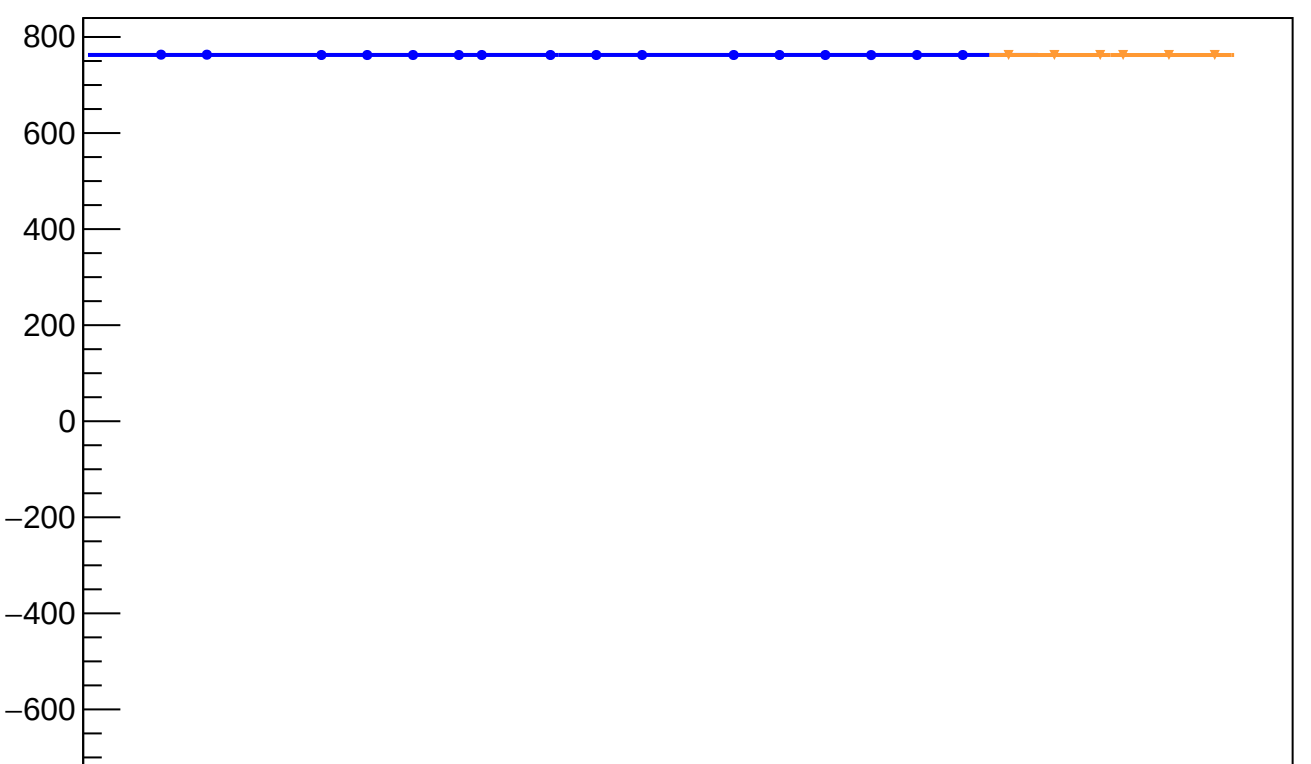
Left: 19.122+/-0.000 χ^2/NDF: 7859662257075691

Right: -13.534+/-0.000 χ^2/NDF: 12865015591145

In: 225.990+/-0.000 χ^2/NDF:95817063790164728

Out: -220.727+/-0.000 χ^2/NDF:994059136966870

All: -1.148+/-0.000 χ^2/NDF: 2073076100744



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.492+/-0.000 χ^2/NDF:3878903067085506292921611059 2.0/5

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.496+/-0.000 χ^2/NDF:43255374466969552616326955008.0/4

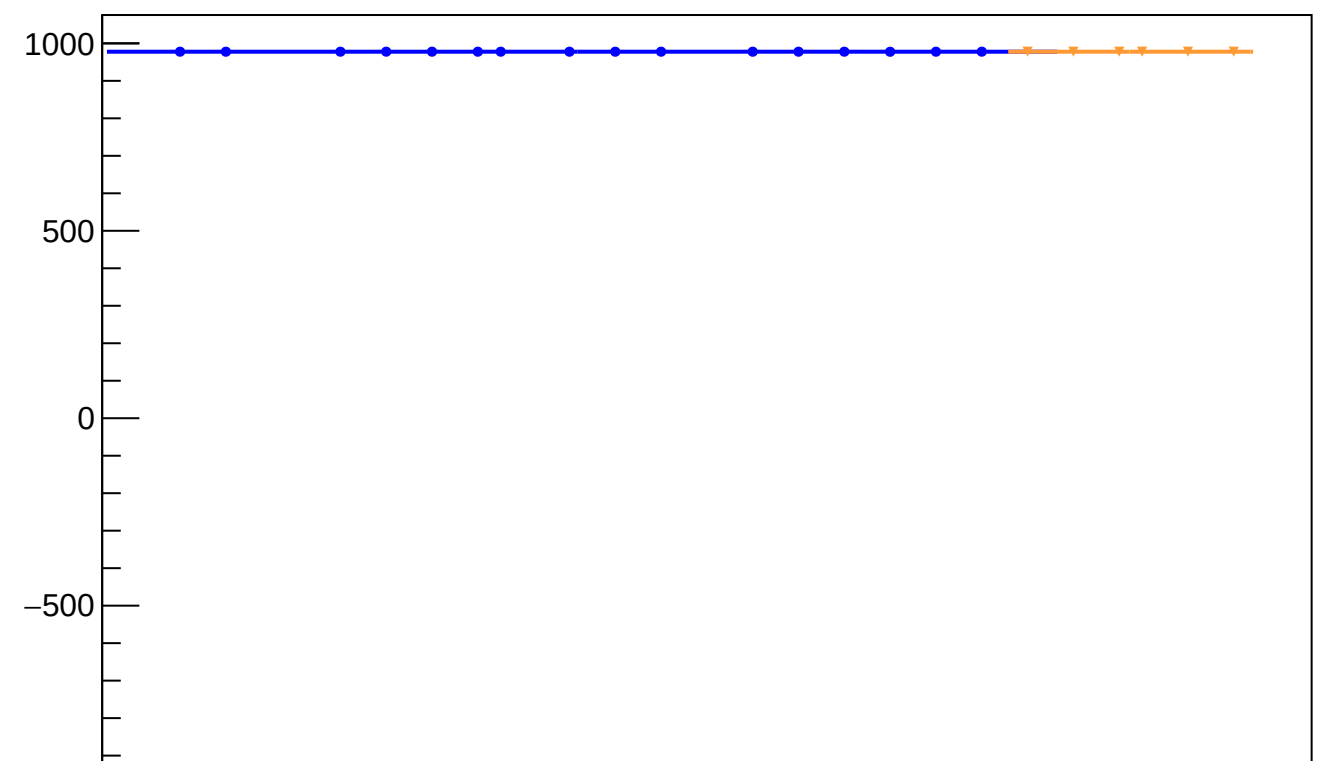
Left: 15.762+/-0.000 χ^2/NDF: 5340760541004905

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392

In: 186.374+/-0.000 χ^2/NDF:6512077745187779

Out: -182.036+/-0.000 χ^2/NDF:675599538615004

All: -0.948+/-0.000 χ^2/NDF: 1408999760813



Left: 20.219+/-0.000 χ^2/NDF: 87821045081854181

Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

Left Out: 977.769+/-0.000 χ^2/NDF:4964323471918053326195366297600.0/5

In: 238.892+/-0.000 χ^2/NDF:10706287071763783

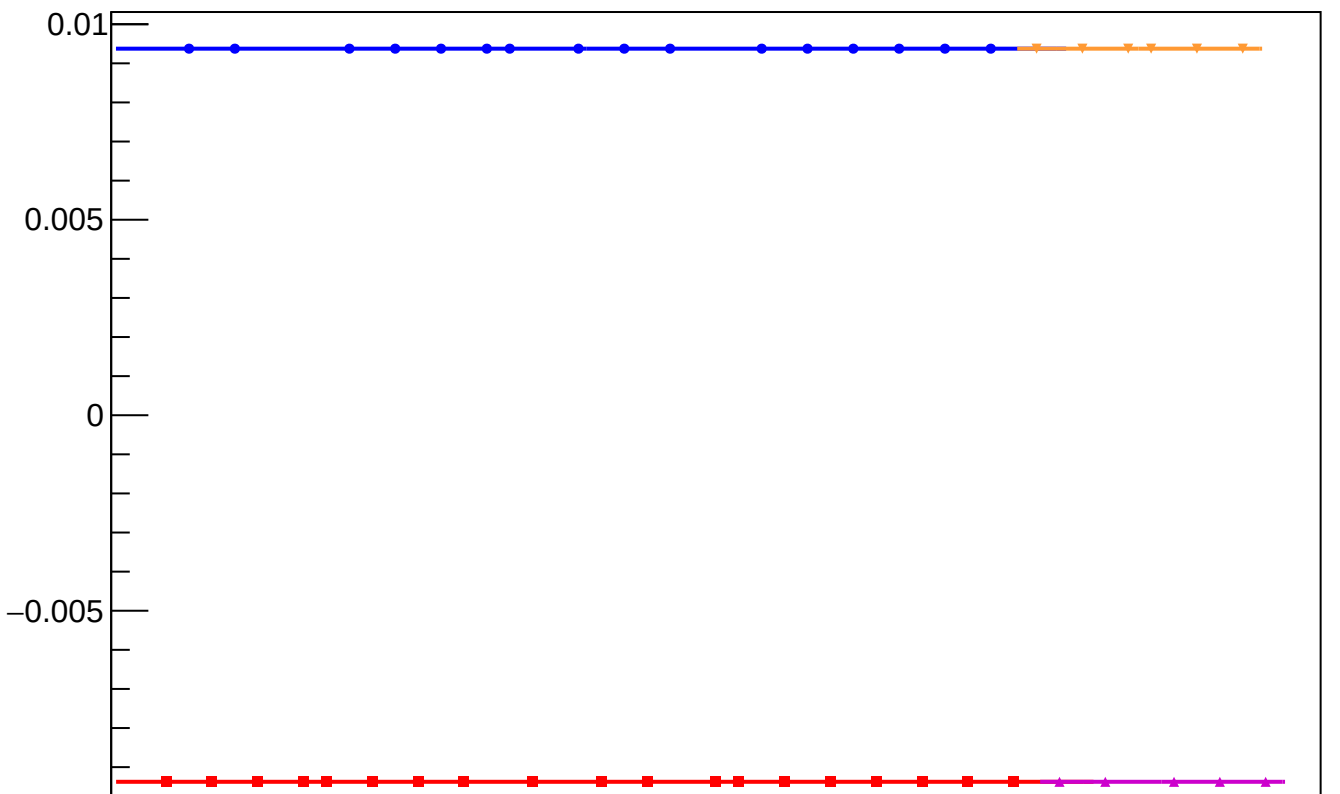
Right Out: -977.747+/-0.000 χ^2/NDF: 17822268778169147263279662366720.0/18

Out: -233.318+/-0.000 χ^2/NDF:111073278468472

Left In: -977.760+/-0.000 χ^2/NDF:66205033265907492402944278528 0.0/4

All: -1.208+/-0.000 χ^2/NDF: 2316394003134

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/4

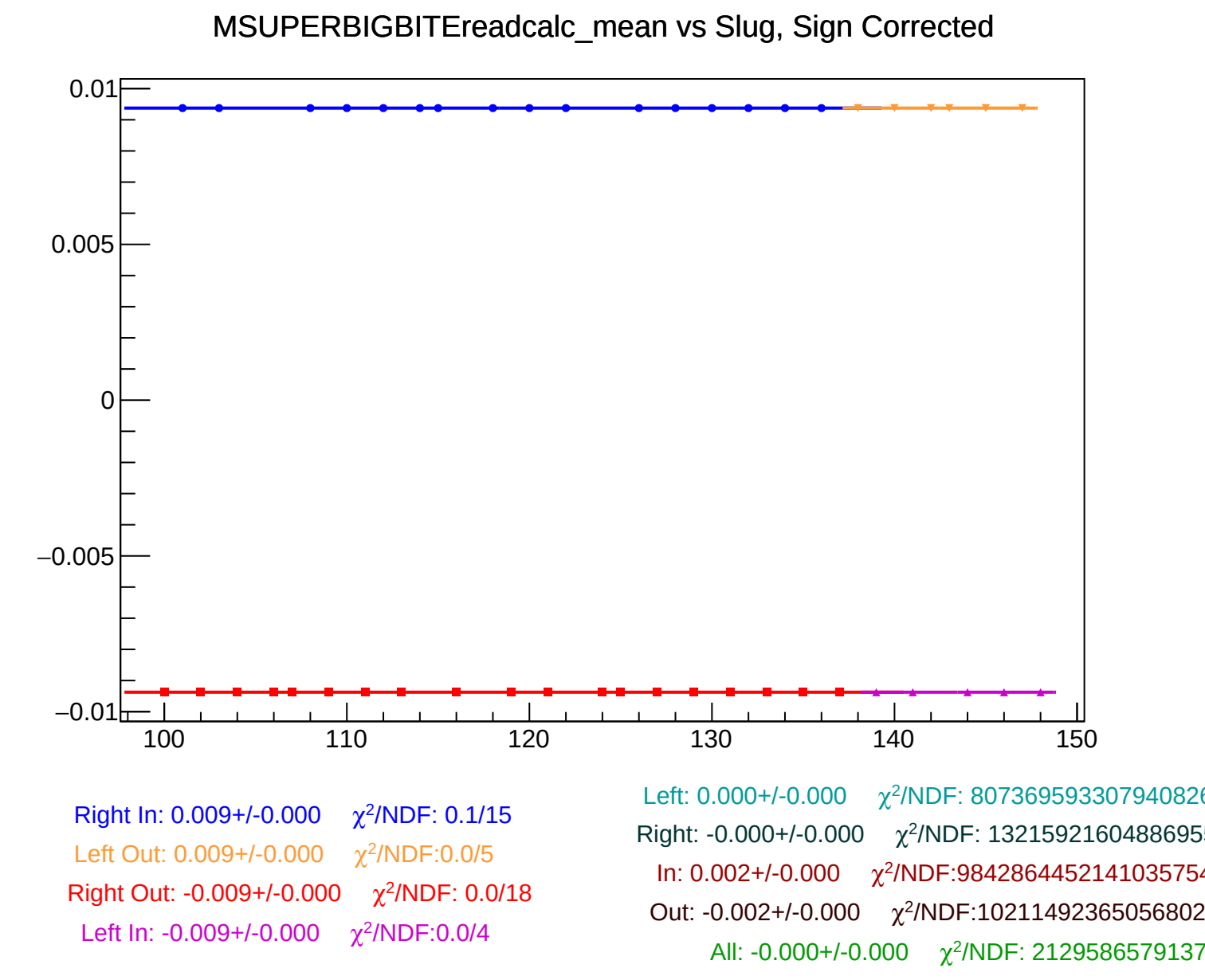
Left: 0.000+/-0.000 χ^2/NDF: 807369593307940826

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

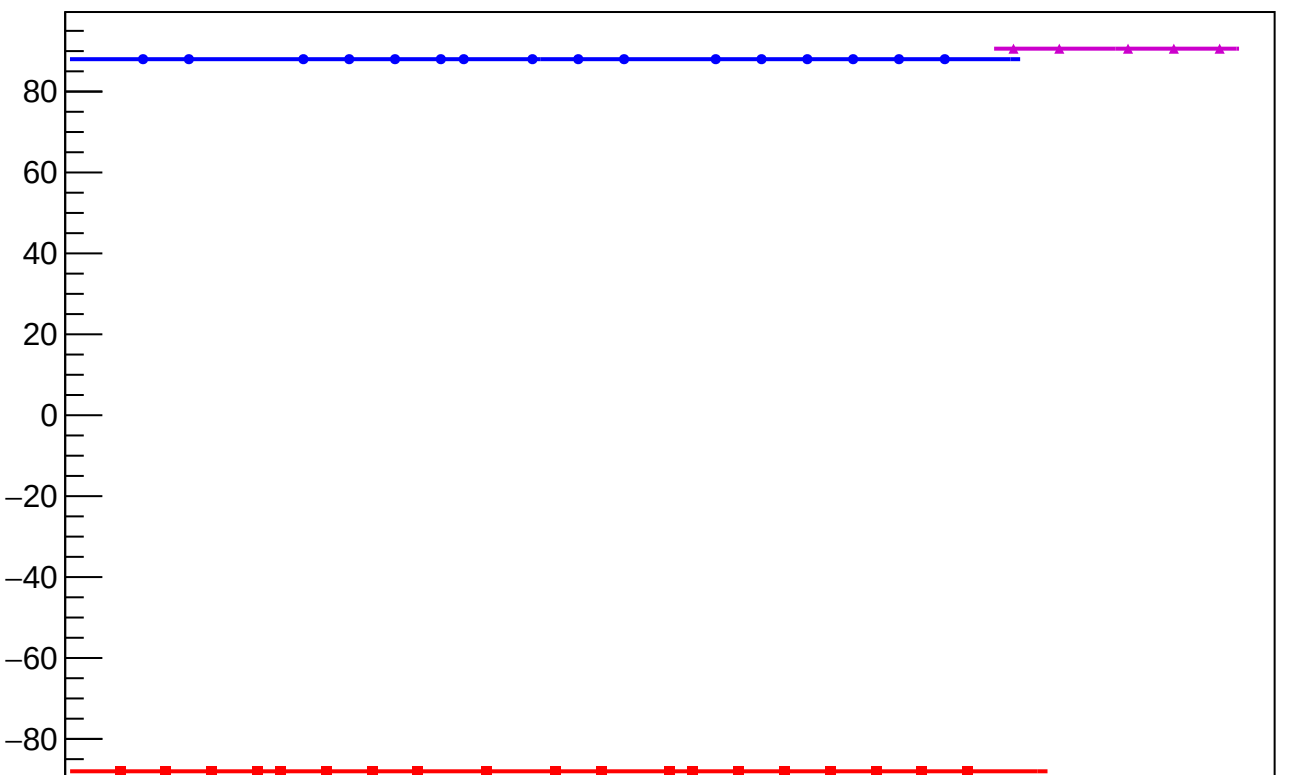
In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: -0.000+/-0.000 χ^2/NDF: 2129586579137


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/5
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/4
Left: 0.000+/-0.000 χ²/NDF: 807369593307940826
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.002+/-0.000 χ²/NDF:984286445214103575
Out: -0.002+/-0.000 χ²/NDF:10211492365056802
All: -0.000+/-0.000 χ²/NDF: 2129586579137

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:2811323.6/5

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:301105.1/4

Left: -1.873+/-0.000 χ^2/NDF: 75401414102949816

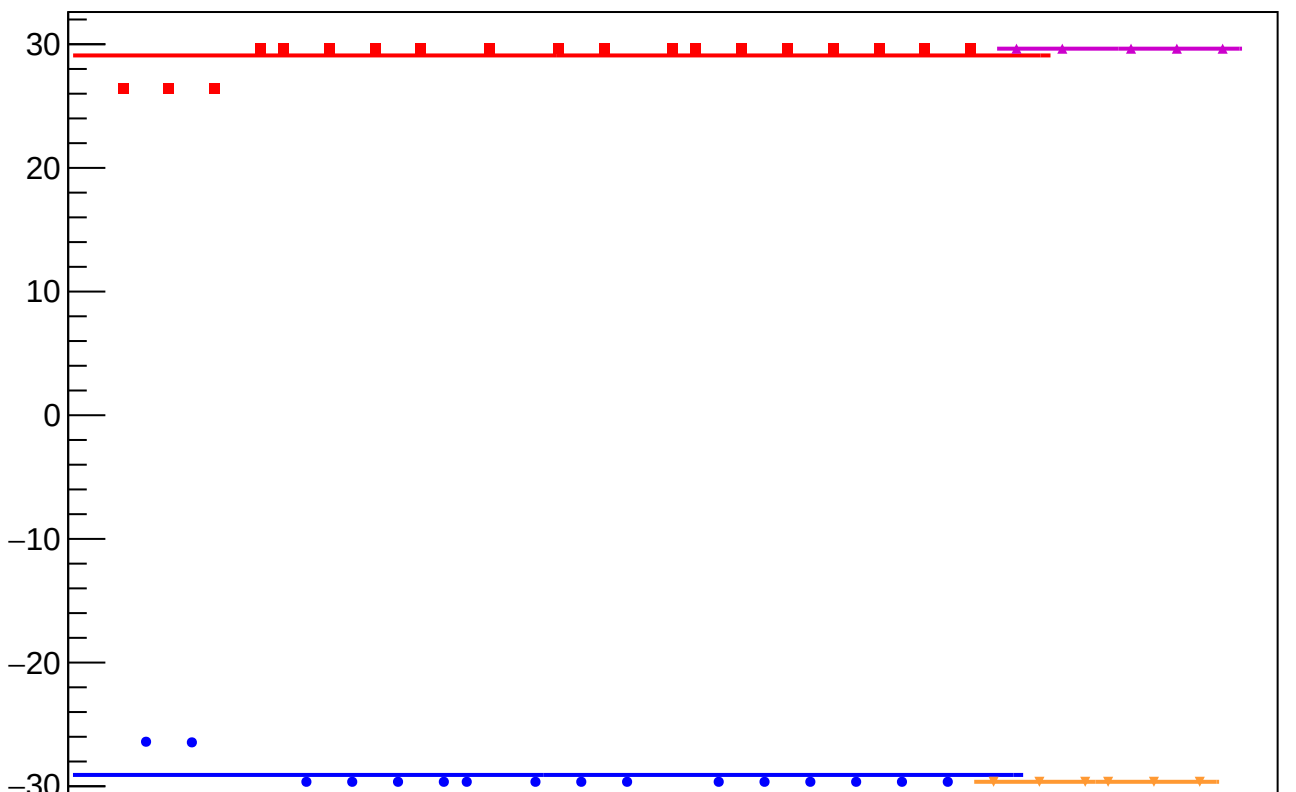
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.983+/-0.000 χ^2/NDF:189058296077667171

Out: -88.992+/-0.000 χ^2/NDF:1957381734585040

All: -1.510+/-0.000 χ^2/NDF: 1918536411949

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:153442.9/5

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:22151.2/4

Left: -0.613+/-0.000 χ^2/NDF: 807061889062684 55

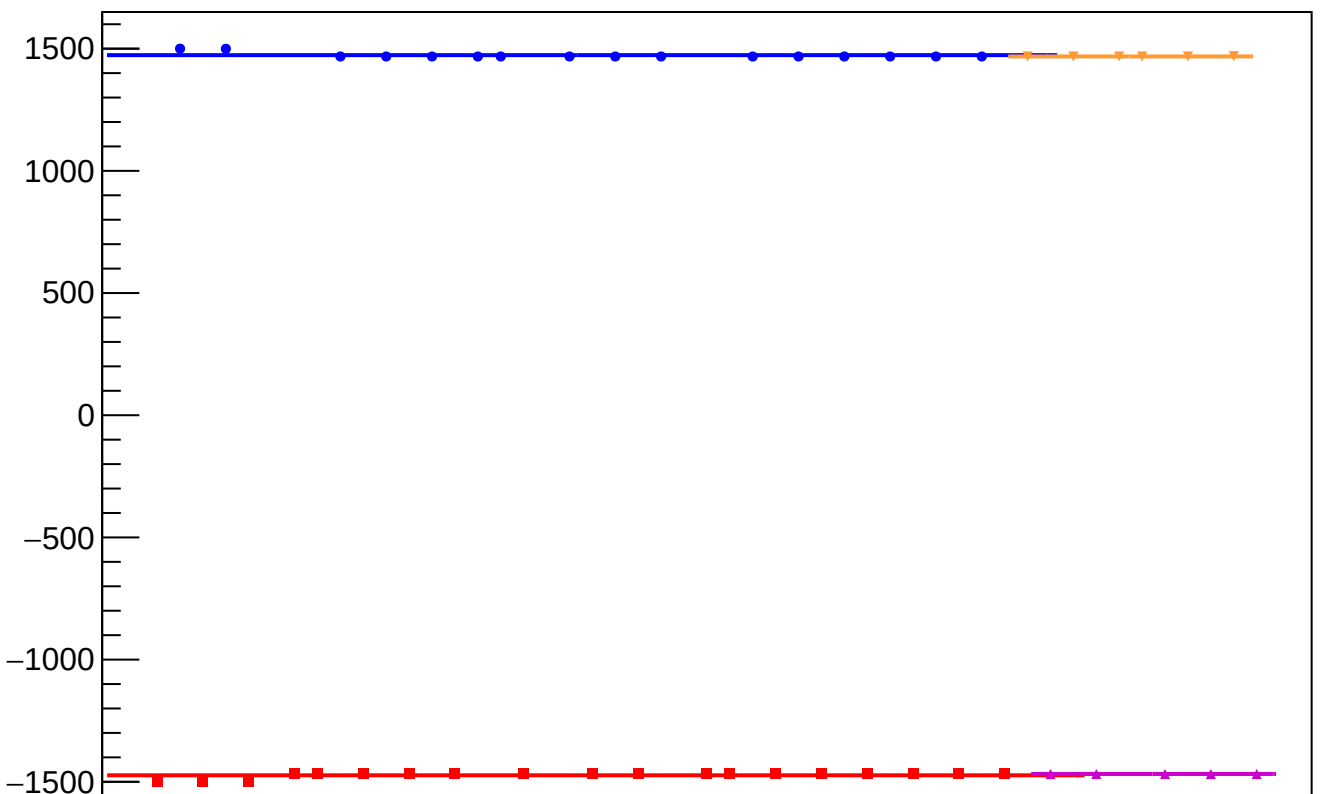
Right: 0.429+/-0.000 χ^2/NDF: 127460075225783 58

In: -6.897+/-0.000 χ^2/NDF:966658933129396 093

Out: 6.734+/-0.000 χ^2/NDF:100310795064526 463

All: 0.034+/-0.000 χ^2/NDF: 208228209561 82

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.224+/-0.000 χ^2/NDF:12122145171357915976854082578022 4.0/5

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:28589429.9/4

Left: 30.475+/-0.000 χ^2/NDF: 19798943037217368

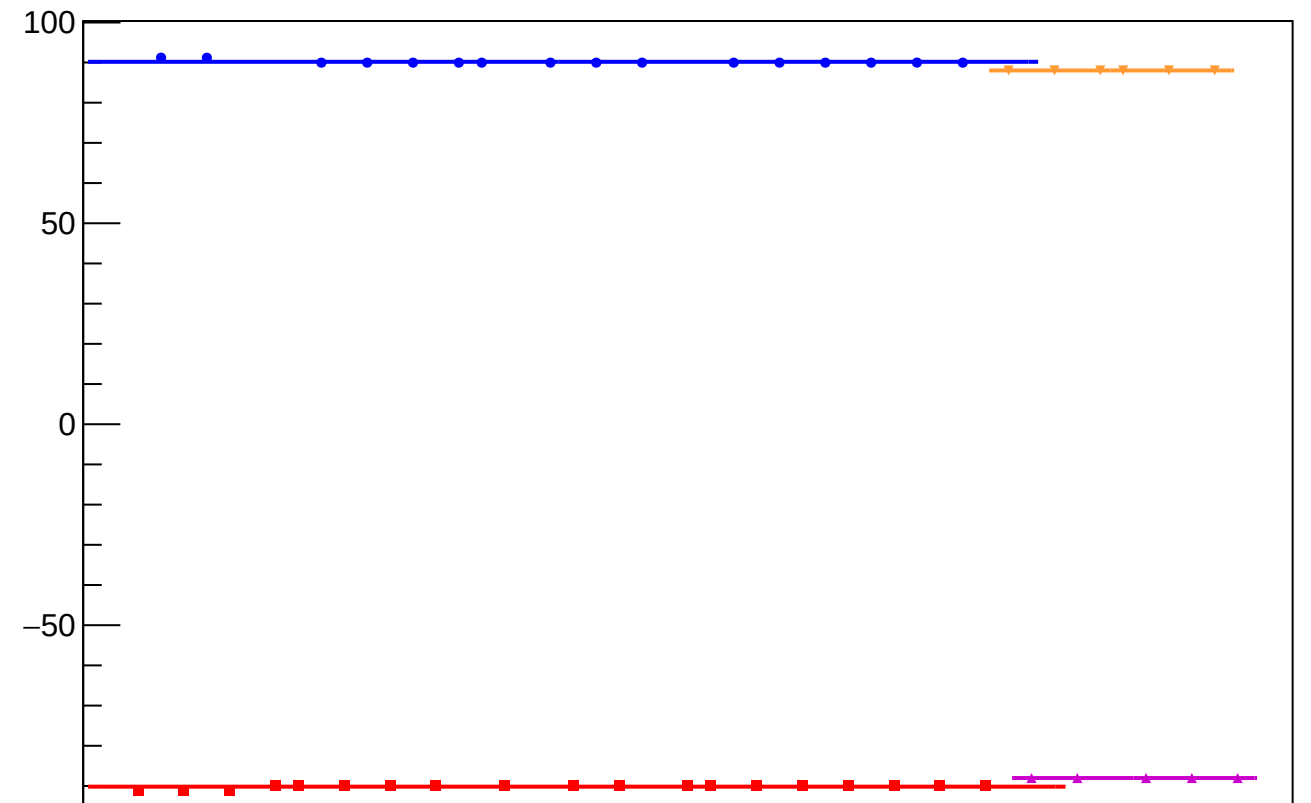
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: 362.090+/-0.000 χ^2/NDF:24224794606742929

Out: -353.573+/-0.000 χ^2/NDF:2513494099640125

All: -1.797+/-0.000 χ^2/NDF: 5246133585526

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:2382183.2/5

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:340081.1/4

Left: 1.820+/-0.000 χ^2/NDF: 7117041583885168

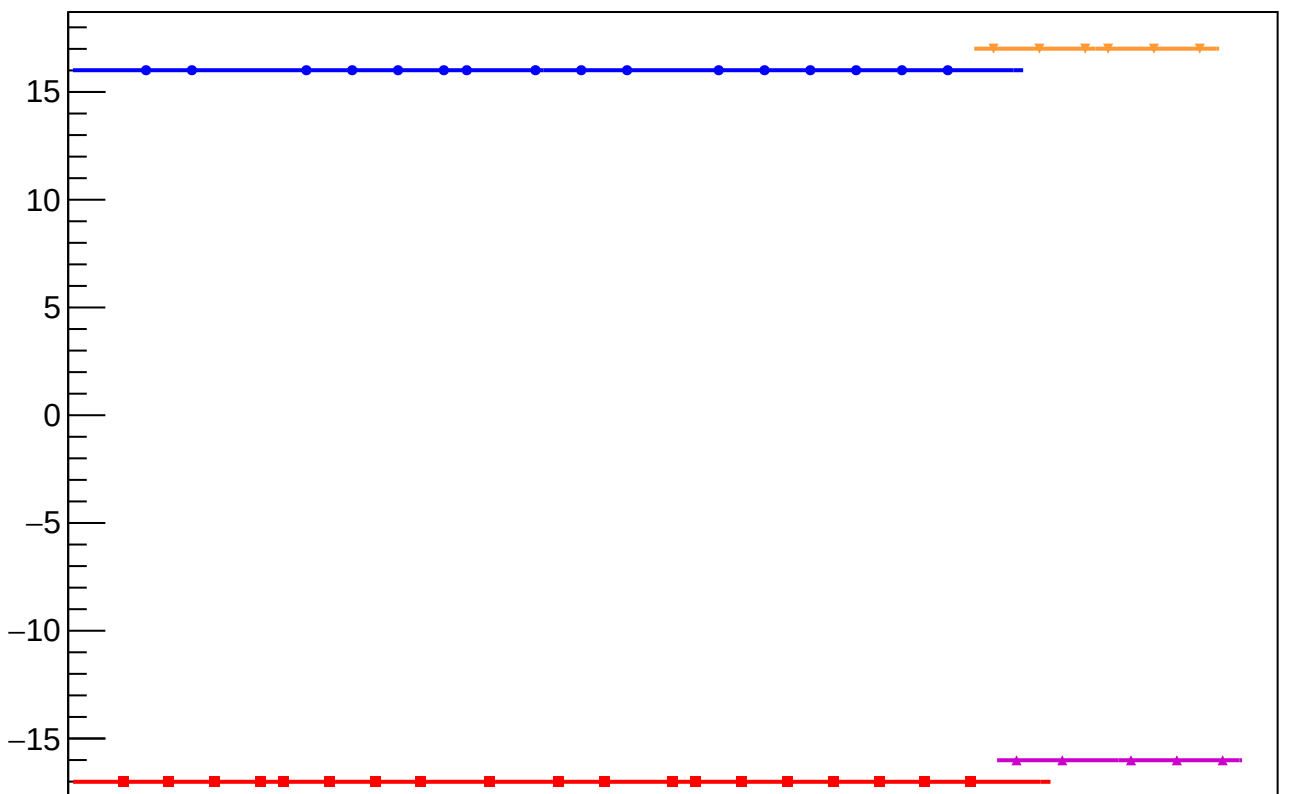
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 22.845+/-0.000 χ^2/NDF:889017478434206236

Out: -22.335+/-0.000 χ^2/NDF:9222727241542516

All: -0.127+/-0.000 χ^2/NDF: 1934905941606

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:9822127285548597609758720/5

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:50083.2/4

Left: 0.364+/-0.000 χ^2/NDF: 231385432639556736

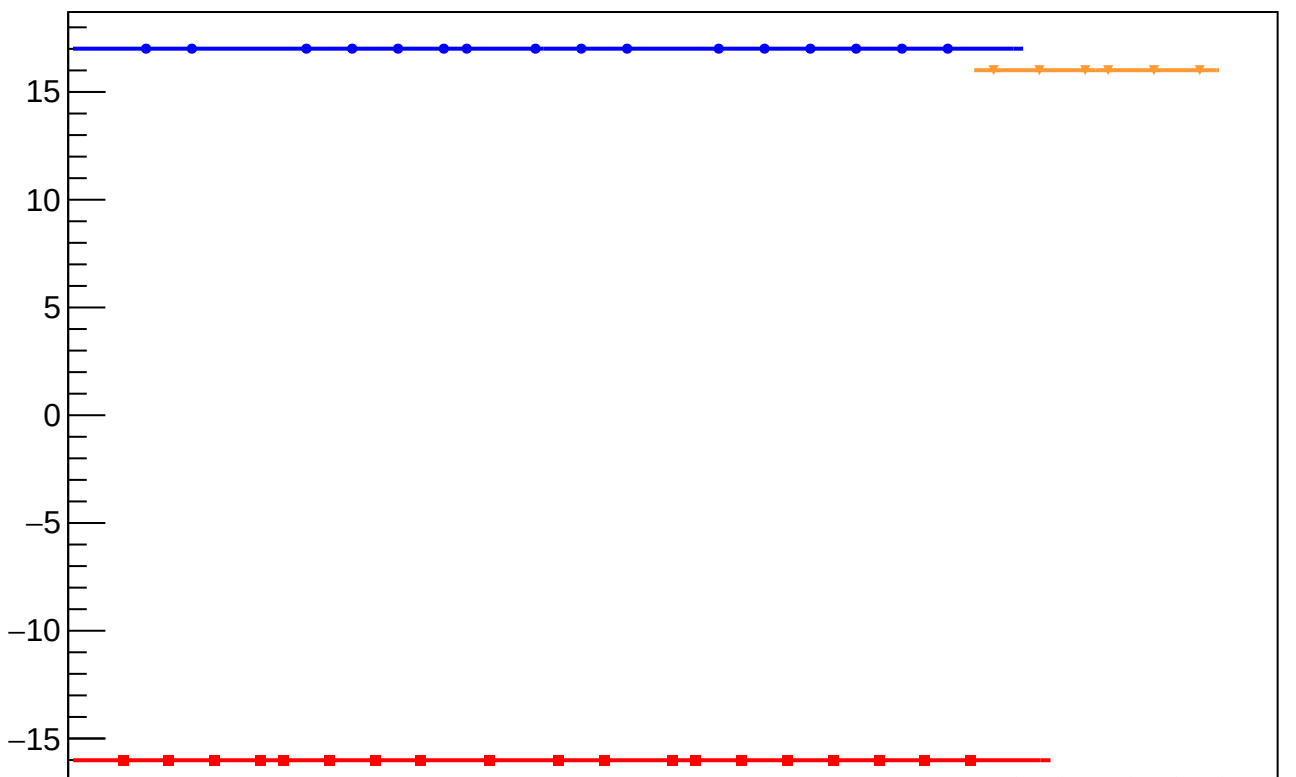
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 3.882+/-0.000 χ^2/NDF:272590793654038022

Out: -4.153+/-0.000 χ^2/NDF:30308275307310690

All: -0.107+/-0.000 χ^2/NDF: 6118906354142

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:40642.1/5

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:4619.6/4

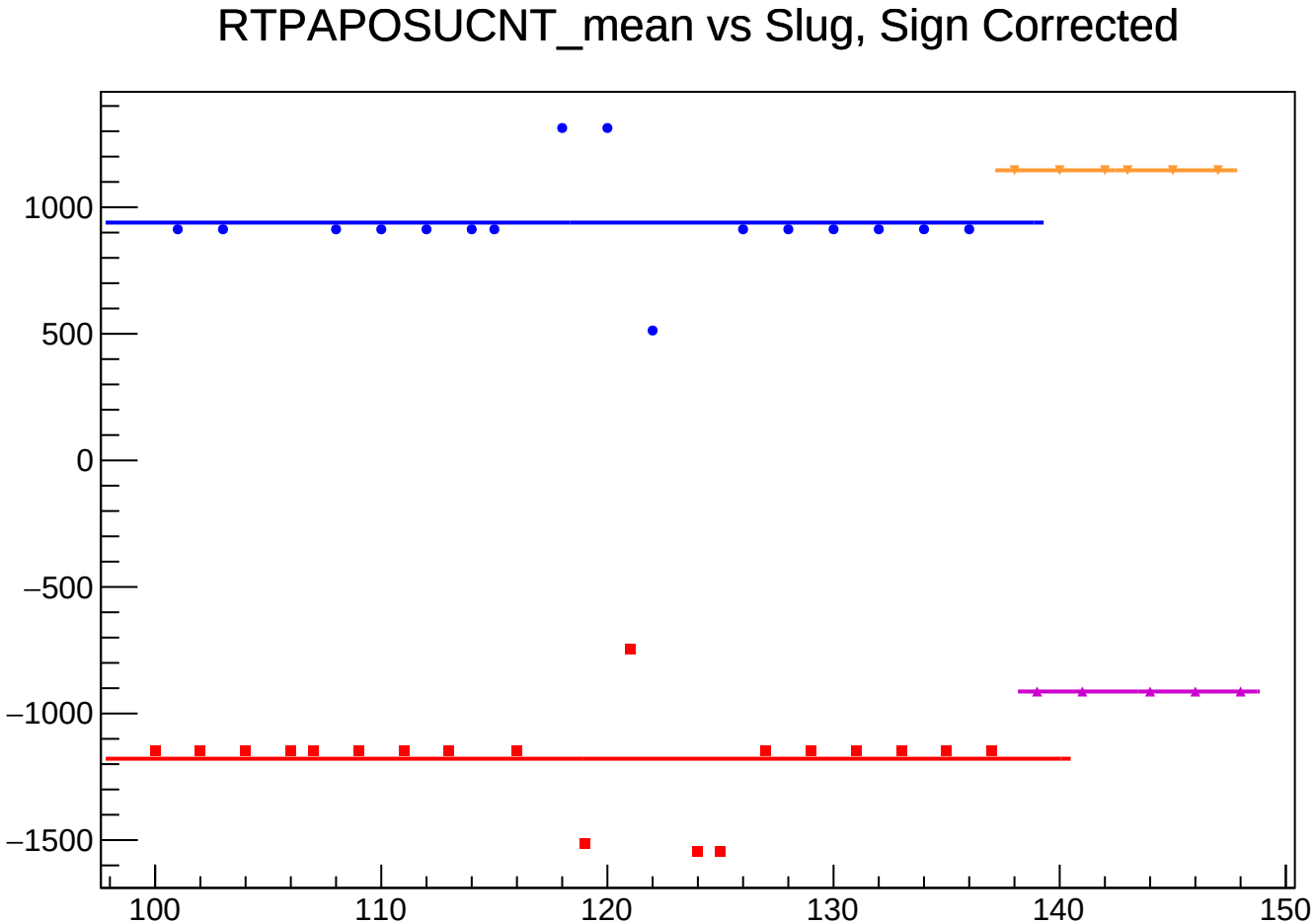
Left: -0.319+/-0.000 χ^2/NDF: 24799915964114005

Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

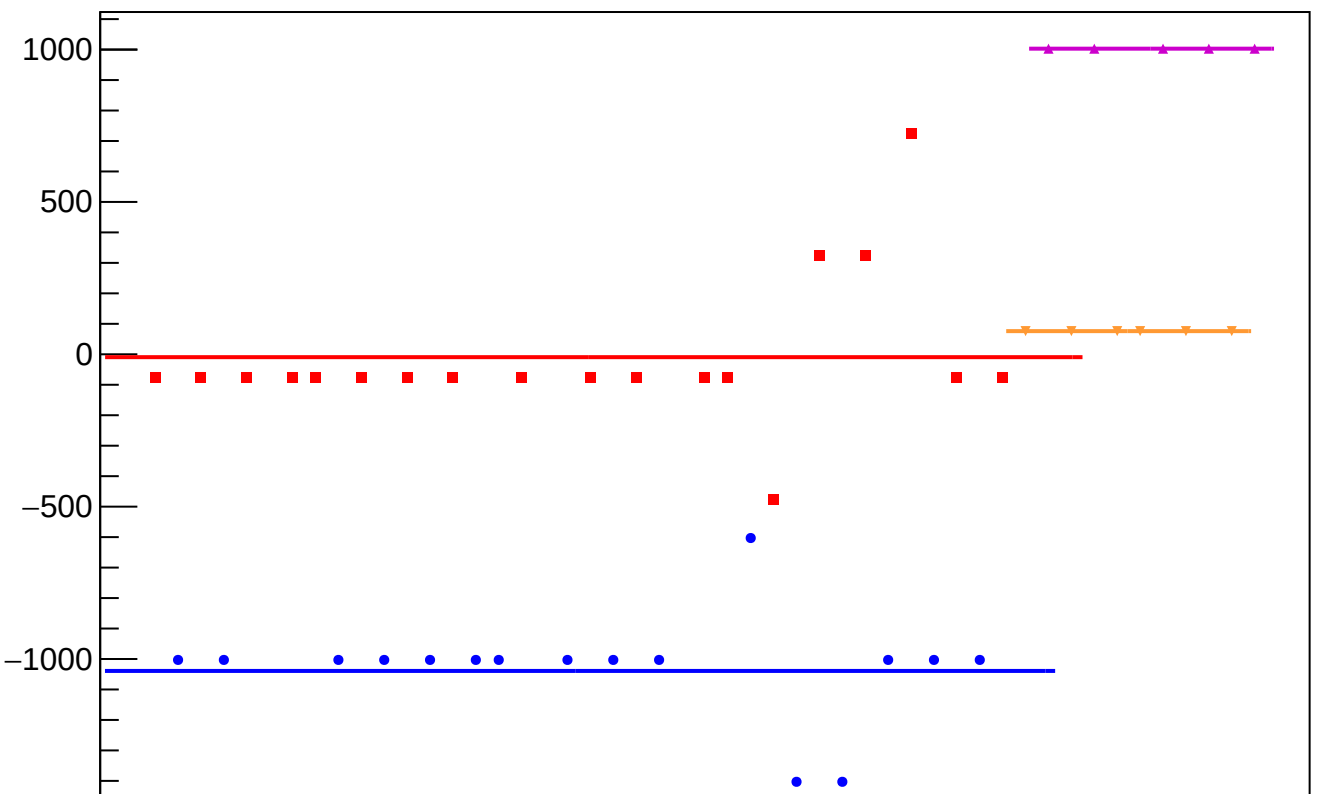
In: 3.778+/-0.000 χ^2/NDF:318225715729999223

Out: -3.927+/-0.000 χ^2/NDF:29363285540978819

All: -0.175+/-0.000 χ^2/NDF: 6470990796961


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Left: 137.793+/-0.000 χ²/NDF: 9736089723579368
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
Left Out: 1146.011+/-0.000 χ²/NDF:17468168921502164943235973120/5
In: 239.532+/-0.000 χ²/NDF:98182575871715509
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Out: -293.609+/-0.000 χ²/NDF:159161676414690
Left In: -912.994+/-0.000 χ²/NDF:814314750871443432962575564 8.0/4
All: -31.549+/-0.000 χ²/NDF: 274557105935

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 529.917+/-0.000 χ^2/NDF: 1973371743558697

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:2511806220405605798112133120.0/5

In: -267.565+/-0.000 χ^2/NDF:1190465803822657

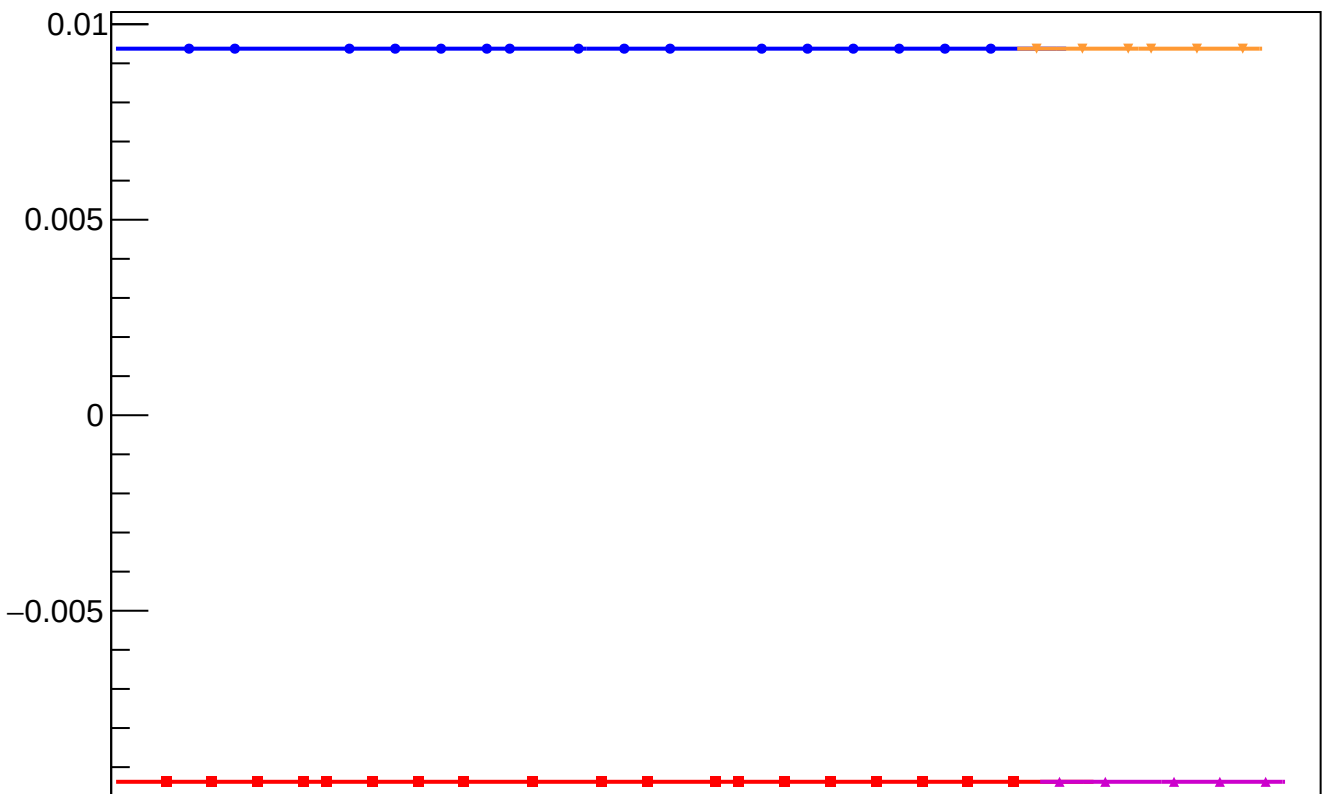
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515540992.0/18

Out: 23.096+/-0.000 χ^2/NDF:4817778353293541

Left In: 1002.989+/-0.000 χ^2/NDF:865267077349014447505539072.0/4

All: -119.775+/-0.000 χ^2/NDF: 1289804985

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/4

Left: 0.000+/-0.000 χ^2/NDF: 807369593307940826

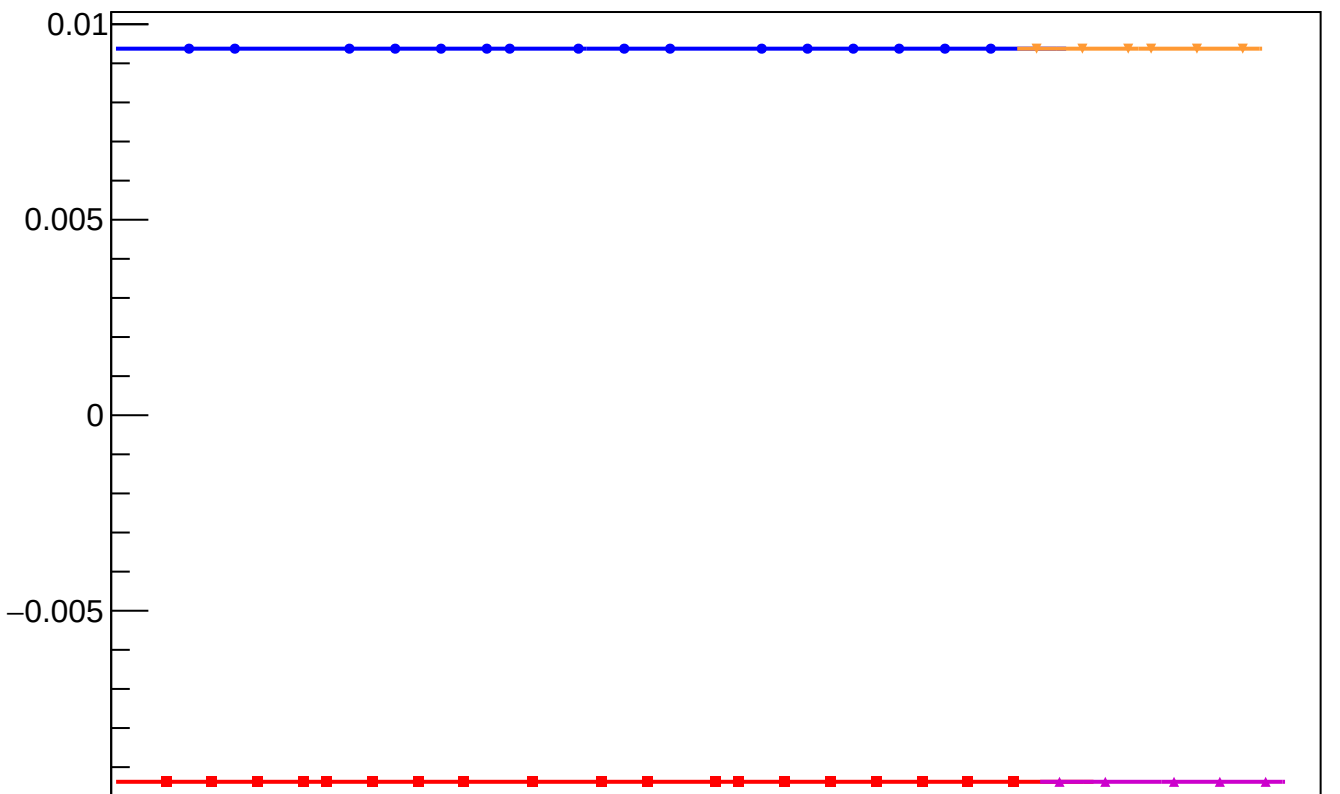
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: -0.000+/-0.000 χ^2/NDF: 2129586579137

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/4

Left: 0.000+/-0.000 χ^2/NDF: 807369593307940826

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: -0.000+/-0.000 χ^2/NDF: 2129586579137