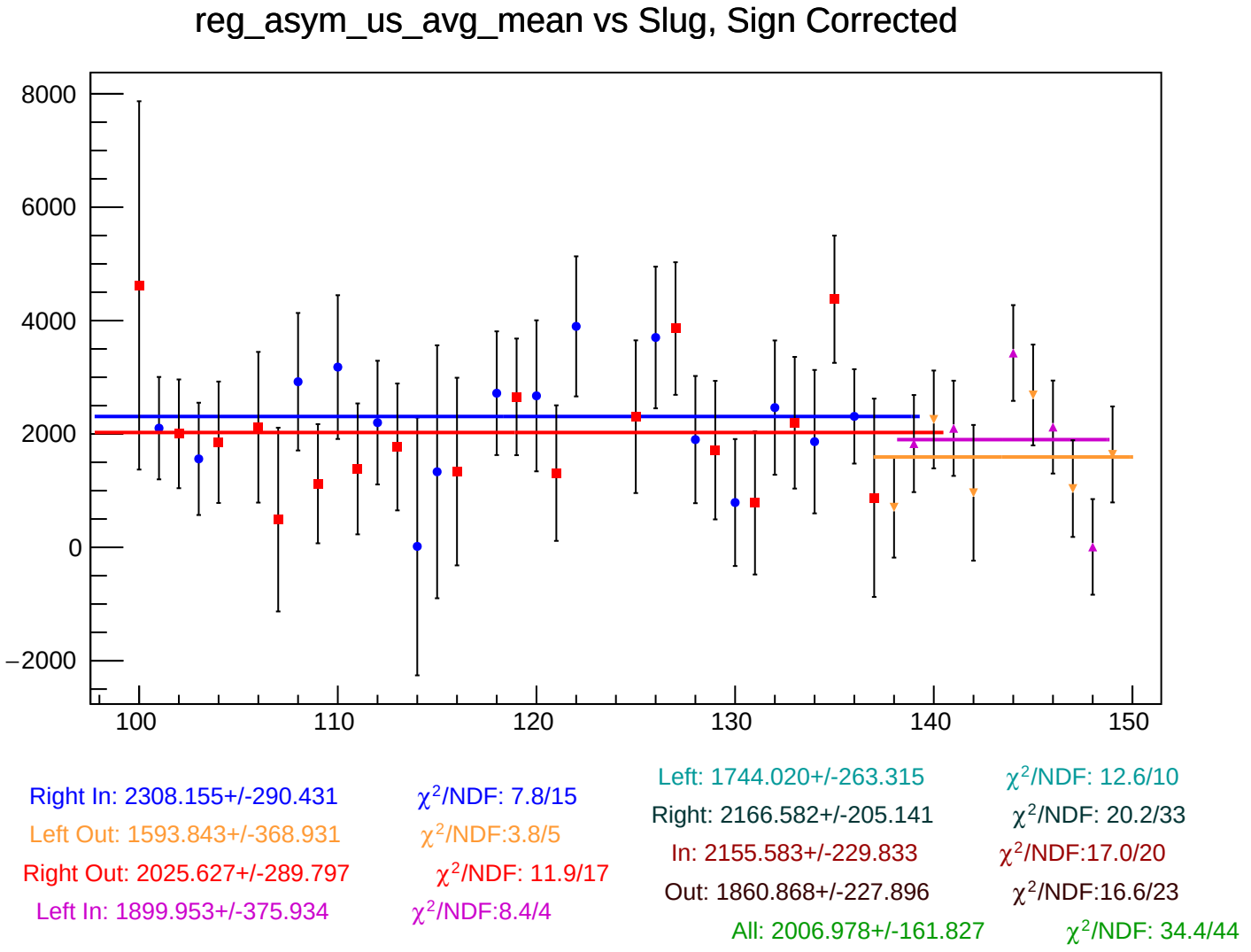
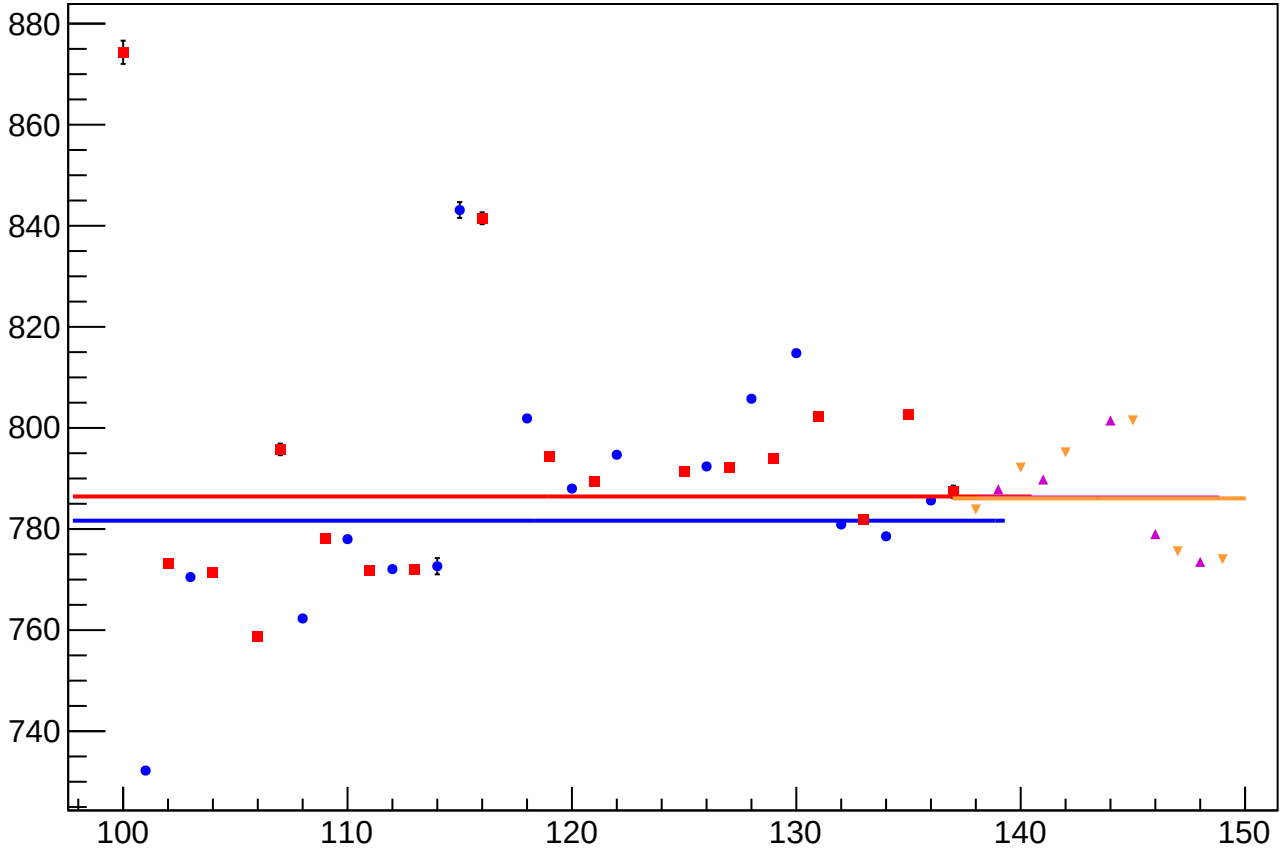

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1593.843+/-368.931
χ²/NDF:3.8/5
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1899.953+/-375.934
χ²/NDF:8.4/4
Left: 1744.020+/-263.315
χ²/NDF: 12.6/10
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2155.583+/-229.833
χ²/NDF:17.0/20
Out: 1860.868+/-227.896
χ²/NDF:16.6/23
All: 2006.978+/-161.827
χ²/NDF: 34.4/44

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 786.068+/-0.261 χ^2/NDF:1536.1/5

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

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

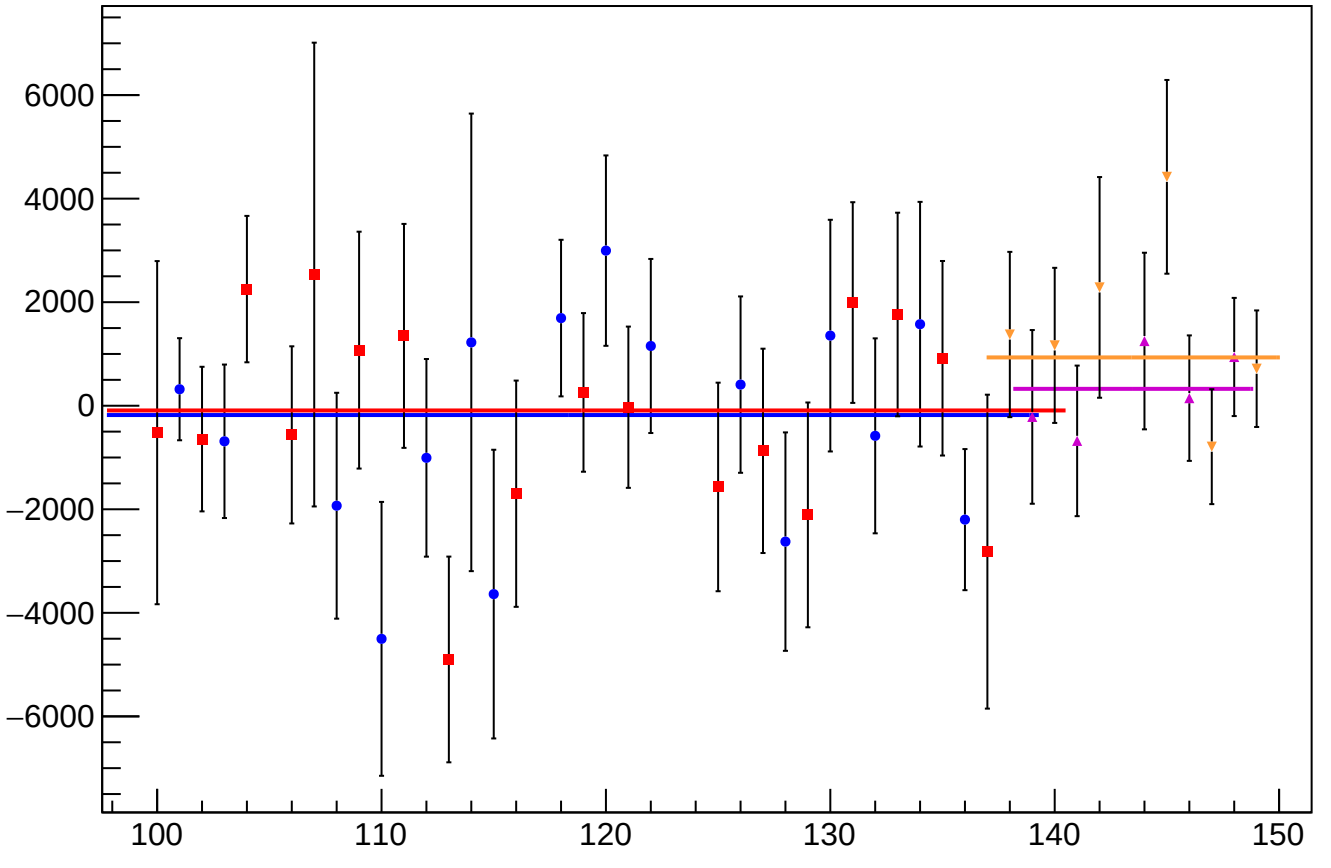
Left: 786.154+/-0.186 χ^2/NDF: 2842.6/10

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

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

Out: 786.300+/-0.161 χ^2/NDF:8738.9/23

All: 784.847+/-0.114 χ^2/NDF: 22715.0/44



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

Left Out: 933.038+/-582.679 χ^2/NDF:6.4/5

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

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

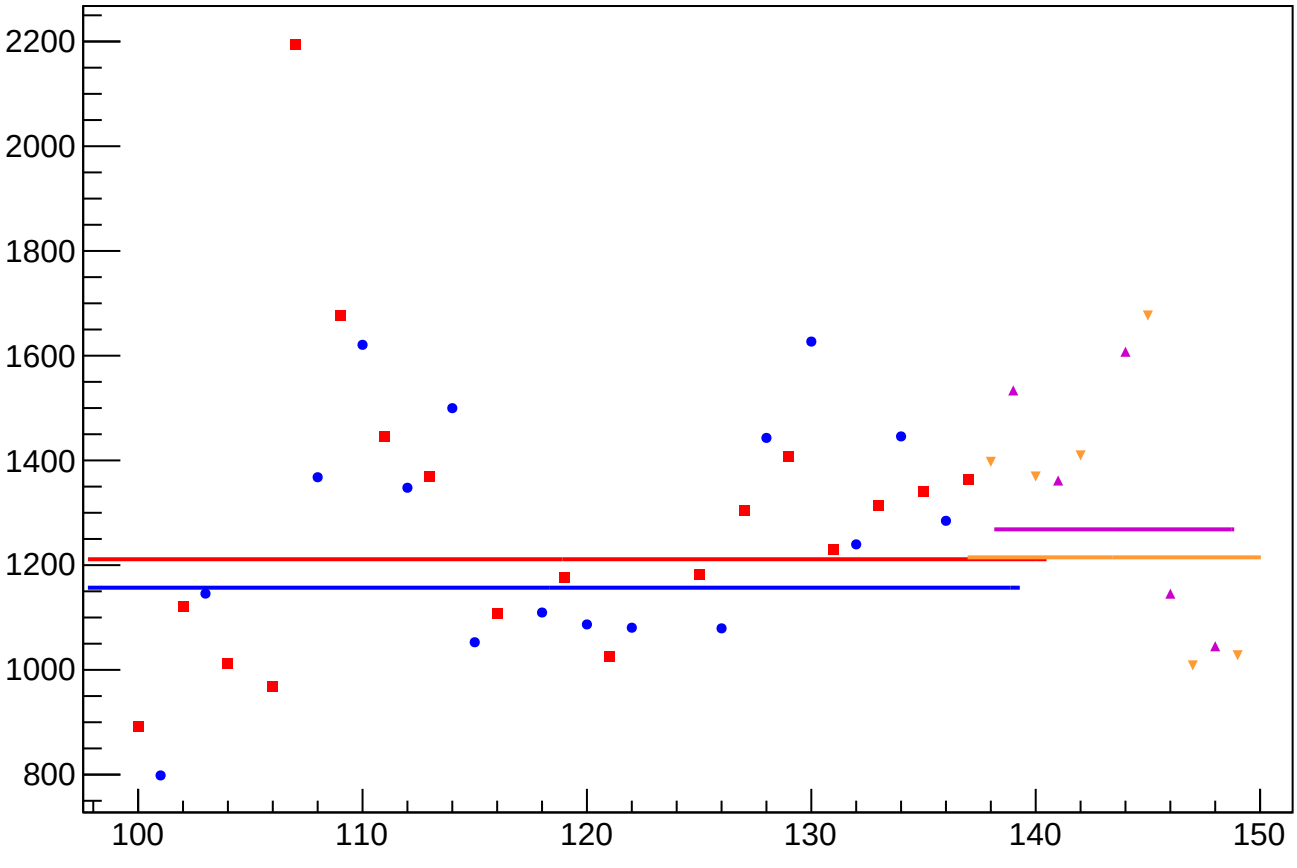
Left: 647.247+/-423.857 χ^2/NDF: 8.1/10

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

In: -9.212+/-358.792 χ^2/NDF:17.0/20

Out: 296.518+/-358.523 χ^2/NDF:23.5/23

All: 143.768+/-253.609 χ^2/NDF: 40.9/44



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

Left Out: 1214.879+/-0.412 χ^2/NDF:310283.4/5

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: 1240.054+/-0.300 χ^2/NDF: 552637.8/10

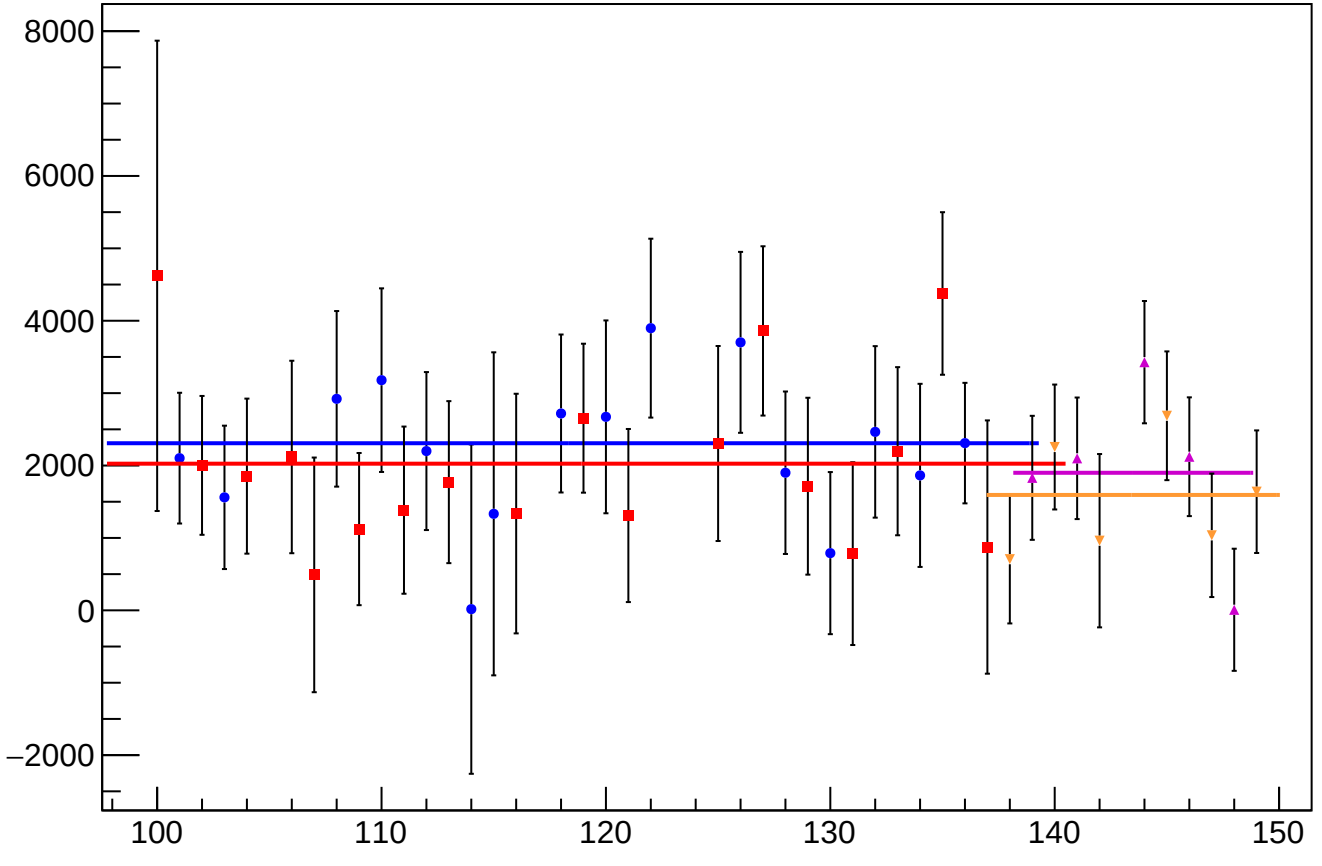
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1212.633+/-0.254 χ^2/NDF:708045.8/23

All: 1203.589+/-0.179 χ^2/NDF: 1557238.3/44

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1593.843+/-368.931 χ^2/NDF:3.8/5

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: 1744.020+/-263.315 χ^2/NDF: 12.6/10

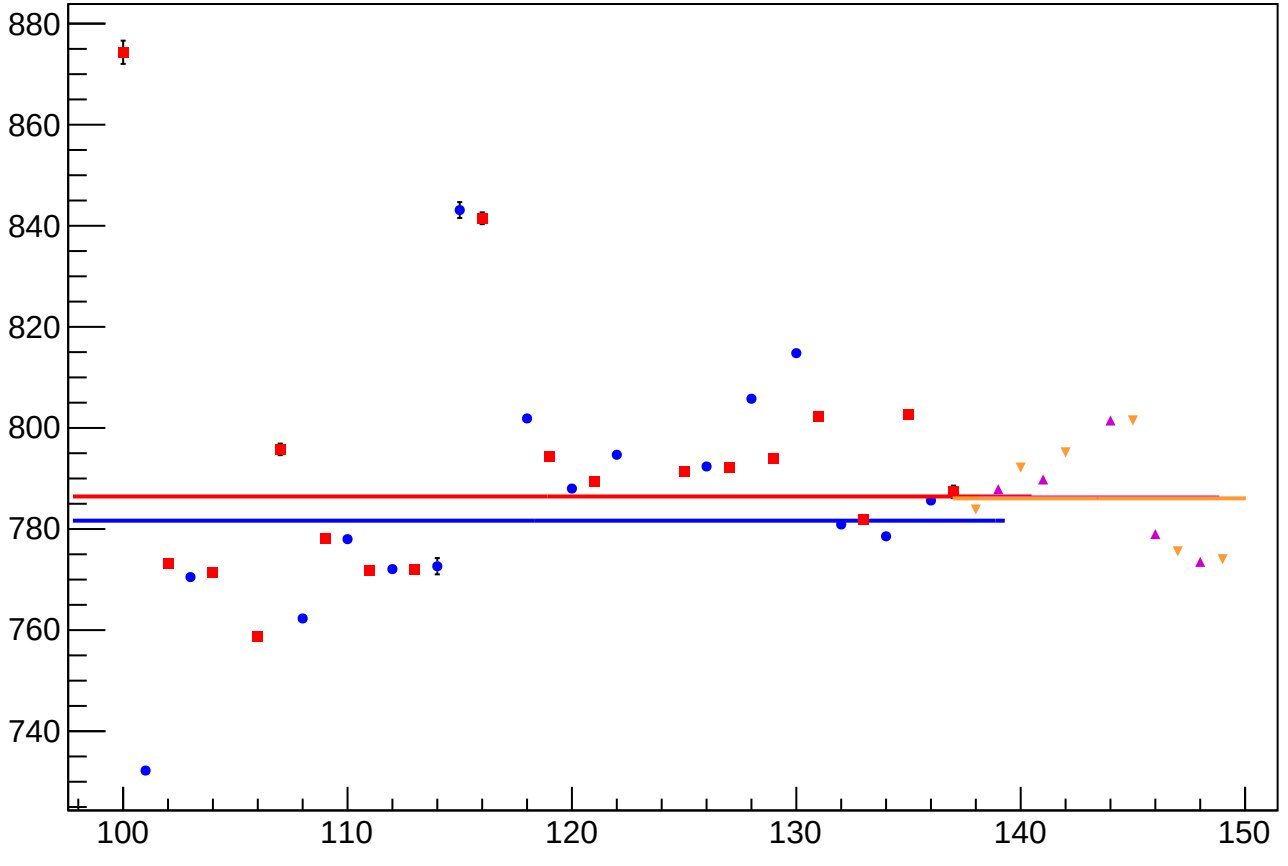
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1860.868+/-227.896 χ^2/NDF:16.6/23

All: 2006.978+/-161.827 χ^2/NDF: 34.4/44

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 786.068+/-0.261 χ^2/NDF:1536.1/5

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

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

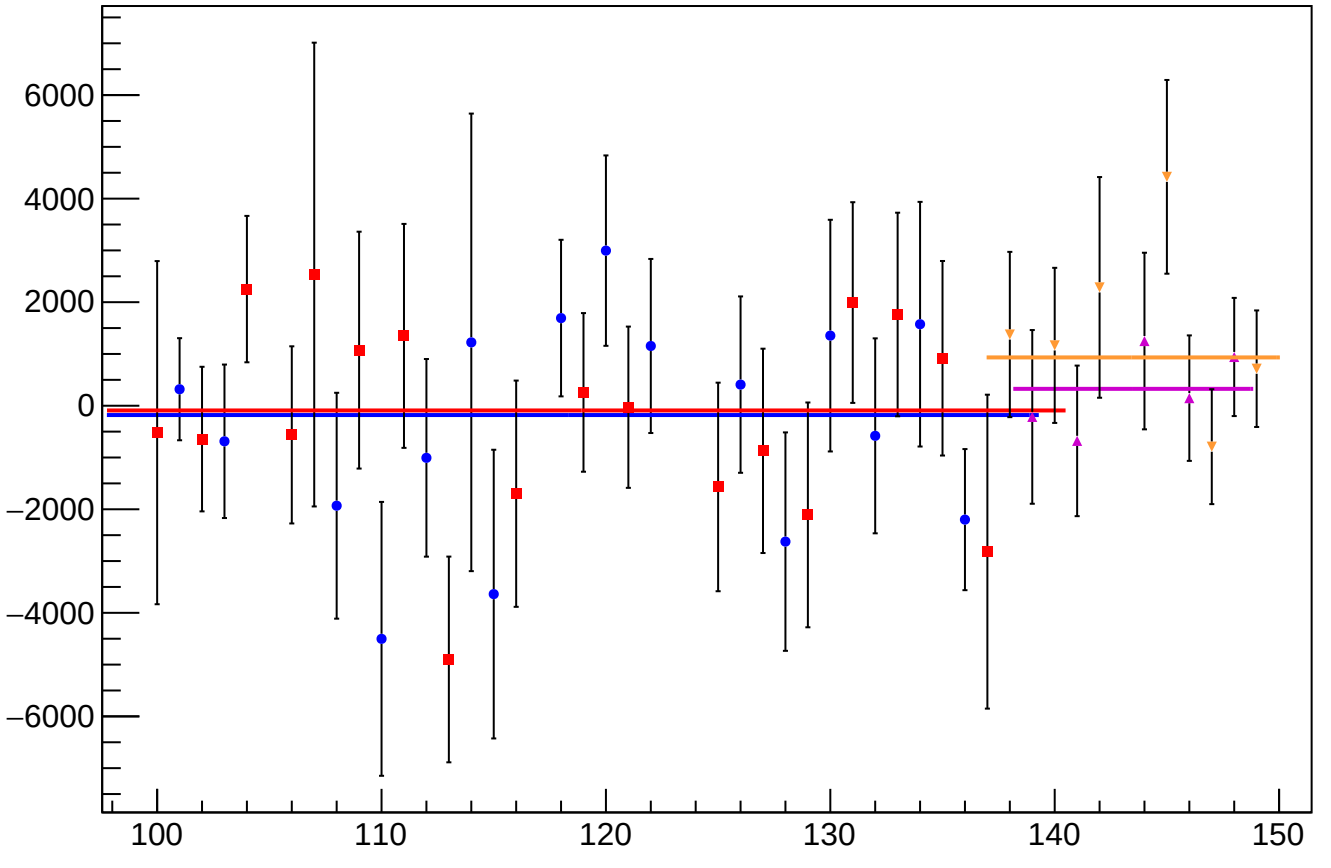
Left: 786.154+/-0.186 χ^2/NDF: 2842.6/10

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

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

Out: 786.300+/-0.161 χ^2/NDF:8738.9/23

All: 784.847+/-0.114 χ^2/NDF: 22715.0/44



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

Left Out: 933.038+/-582.679 χ^2/NDF:6.4/5

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

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

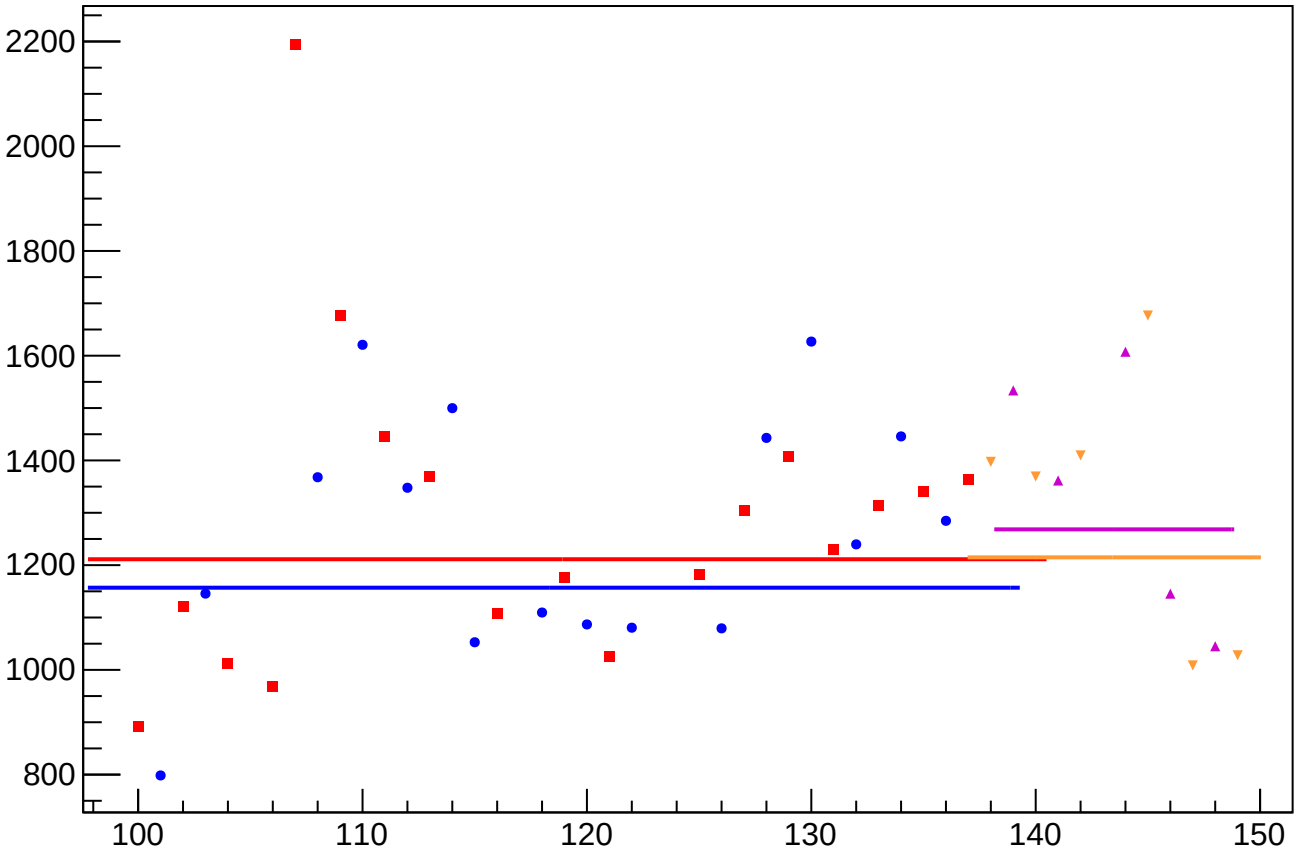
Left: 647.247+/-423.857 χ^2/NDF: 8.1/10

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

In: -9.212+/-358.792 χ^2/NDF:17.0/20

Out: 296.518+/-358.523 χ^2/NDF:23.5/23

All: 143.768+/-253.609 χ^2/NDF: 40.9/44



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

Left Out: 1214.879+/-0.412 χ^2/NDF:310283.4/5

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

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

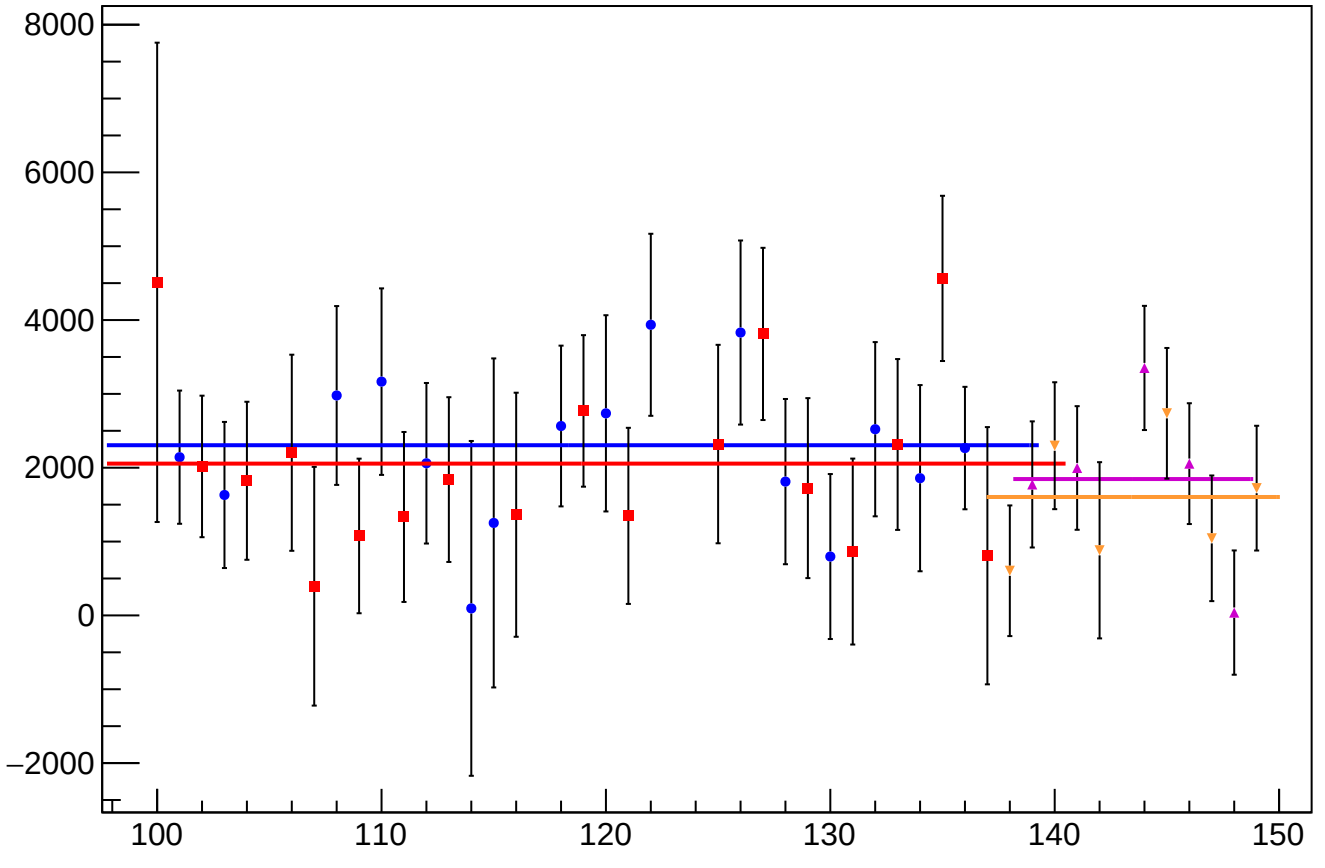
Left: 1240.054+/-0.300 χ^2/NDF: 552637.8/10

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

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

Out: 1212.633+/-0.254 χ^2/NDF:708045.8/23

All: 1203.589+/-0.179 χ^2/NDF: 1557238.3/44



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

Left Out: 1603.621+/-367.769 χ^2/NDF:4.4/5

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

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

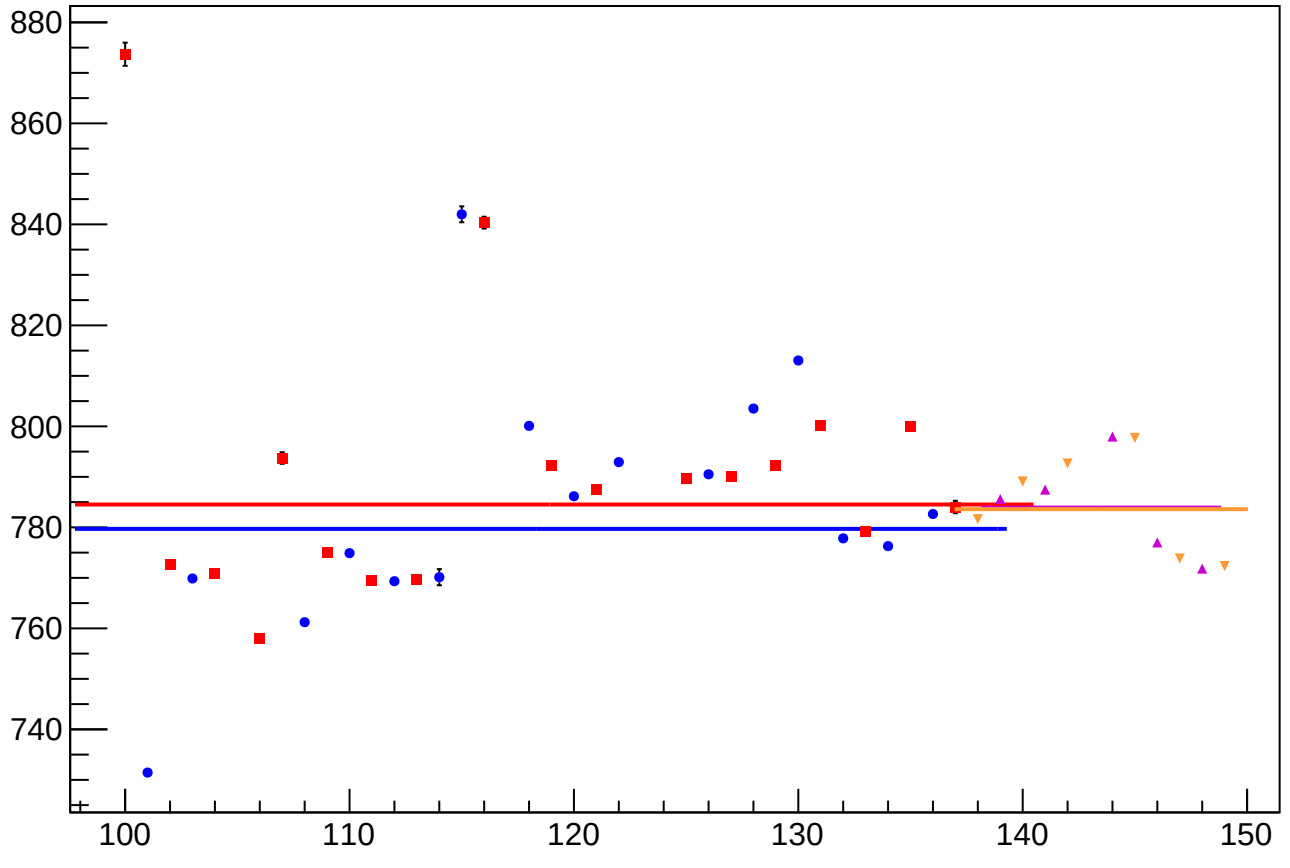
Left: 1722.866+/-262.508 χ^2/NDF: 12.5/10

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

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

Out: 1883.025+/-227.278 χ^2/NDF:18.2/23

All: 2007.208+/-161.391 χ^2/NDF: 35.7/44



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

Left Out: 783.603+/-0.260 χ^2/NDF:1334.2/5

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

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

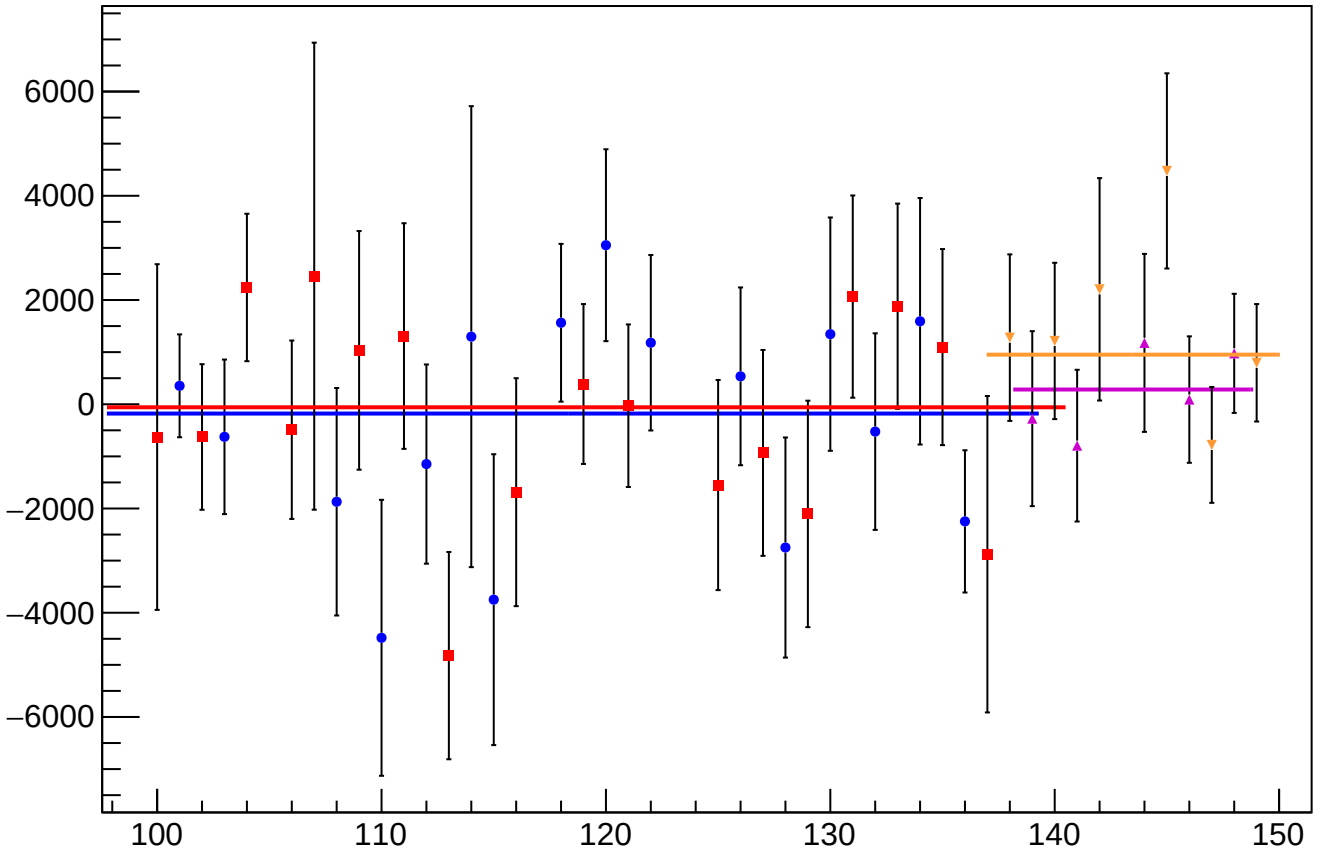
Left: 783.754+/-0.186 χ^2/NDF: 2493.3/10

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

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

Out: 784.172+/-0.161 χ^2/NDF:8502.0/23

All: 782.737+/-0.114 χ^2/NDF: 22039.5/44



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

Left Out: 951.662+/-583.373 χ^2/NDF:6.4/5

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

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

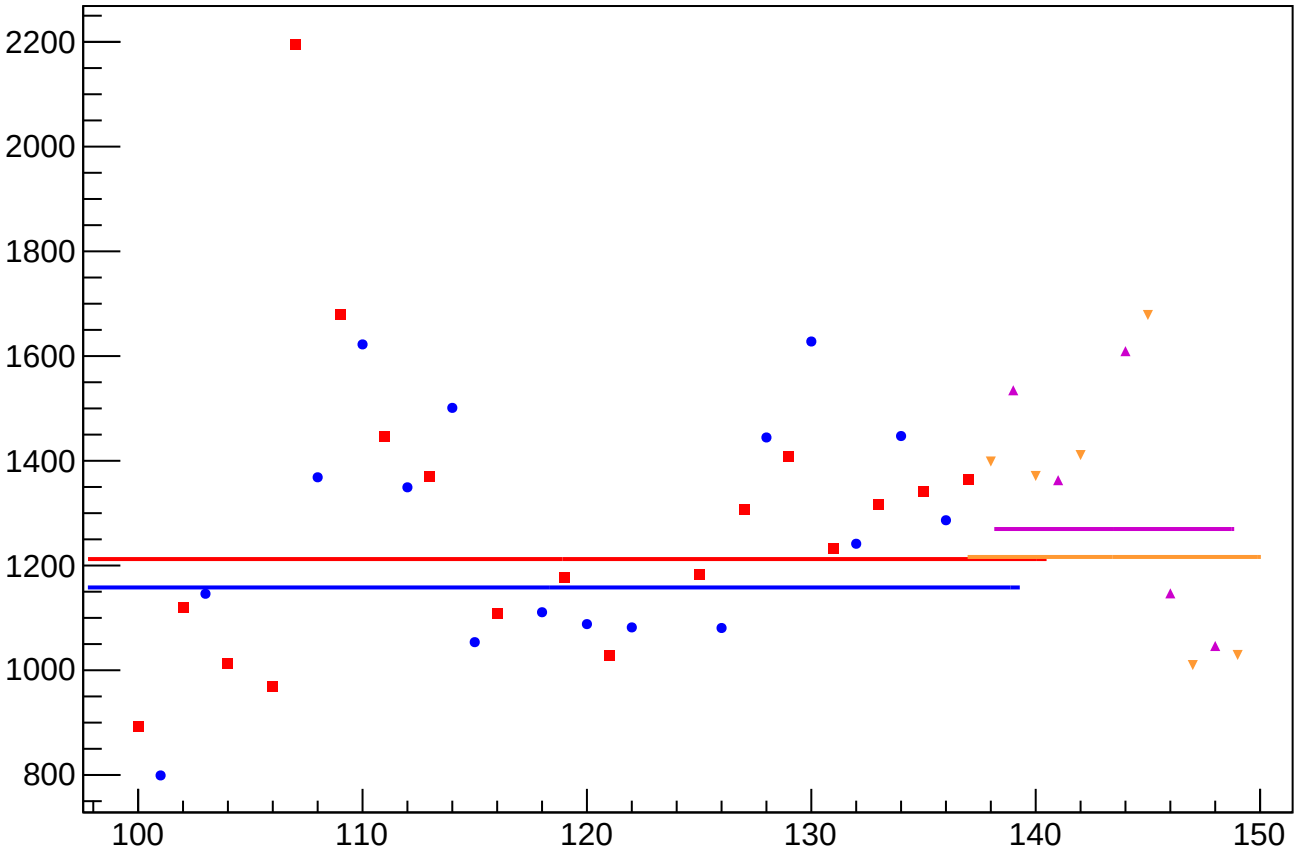
Left: 636.789+/-424.336 χ^2/NDF: 8.4/10

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

In: -22.771+/-359.162 χ^2/NDF:17.4/20

Out: 324.088+/-358.884 χ^2/NDF:23.5/23

All: 150.792+/-253.867 χ^2/NDF: 41.4/44



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

Left Out: 1216.363+/-0.413 χ^2/NDF:309904.7/5

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: 1241.492+/-0.300 χ^2/NDF: 551915.8/10

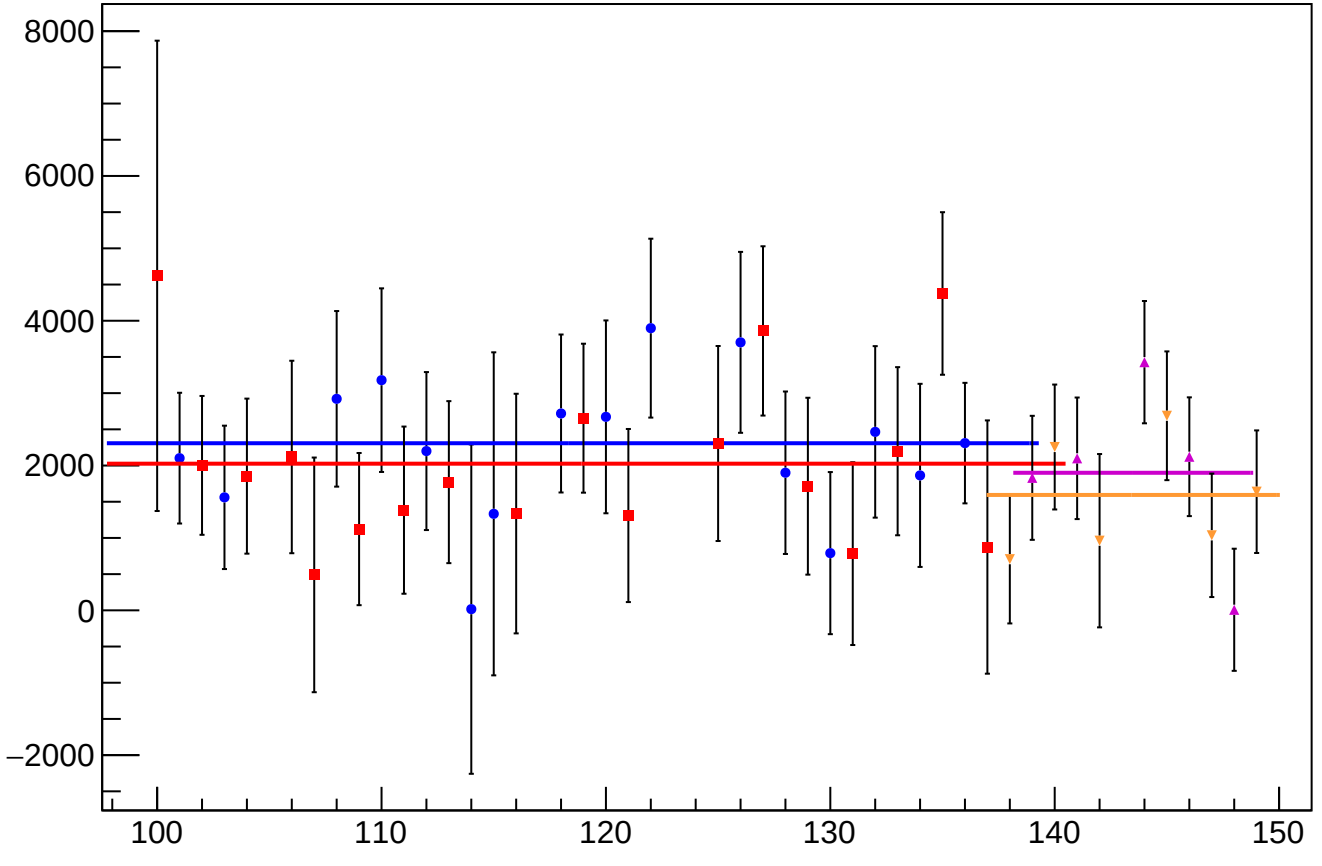
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

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

Out: 1213.867+/-0.254 χ^2/NDF:707901.8/23

All: 1204.831+/-0.180 χ^2/NDF: 1556875.7/44

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1593.843+/-368.931 χ^2/NDF:3.8/5

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

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

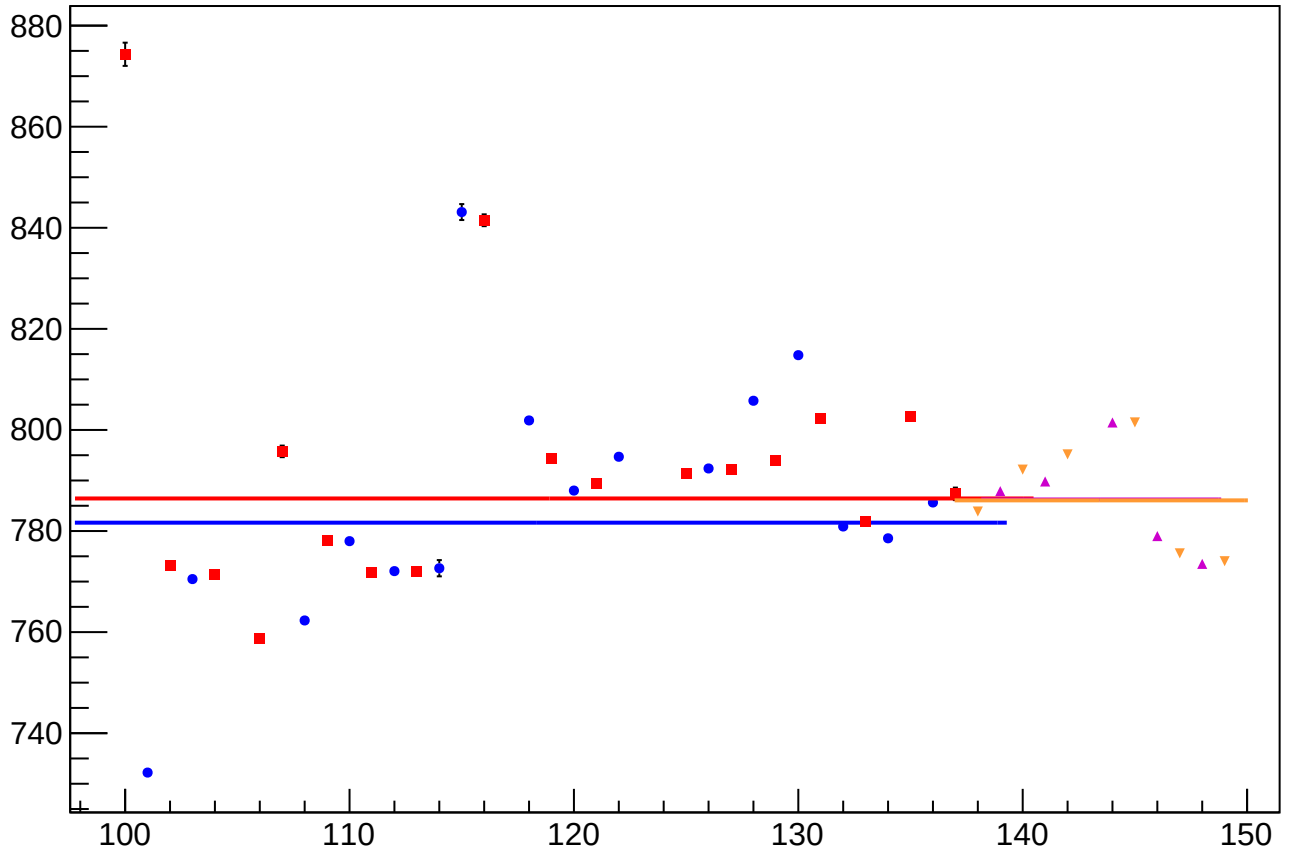
Left: 1744.020+/-263.315 χ^2/NDF: 12.6/10

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

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

Out: 1860.868+/-227.896 χ^2/NDF:16.6/23

All: 2006.978+/-161.827 χ^2/NDF: 34.4/44



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

Left Out: 786.068+/-0.261 χ^2/NDF:1536.1/5

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: 786.154+/-0.186 χ^2/NDF: 2842.6/10

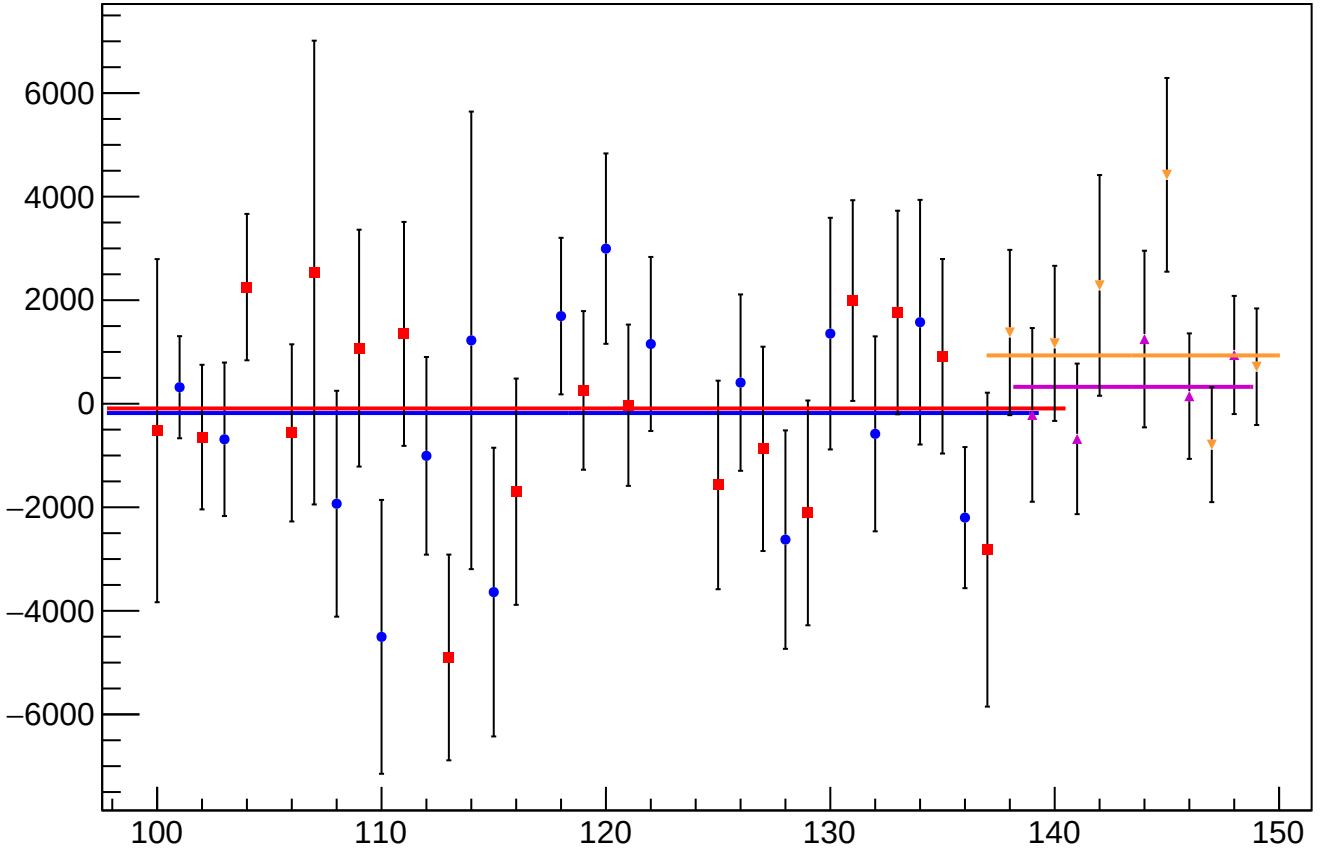
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

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

Out: 786.300+/-0.161 χ^2/NDF:8738.9/23

All: 784.847+/-0.114 χ^2/NDF: 22715.0/44

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: 933.038+/-582.679 χ^2/NDF:6.4/5

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

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

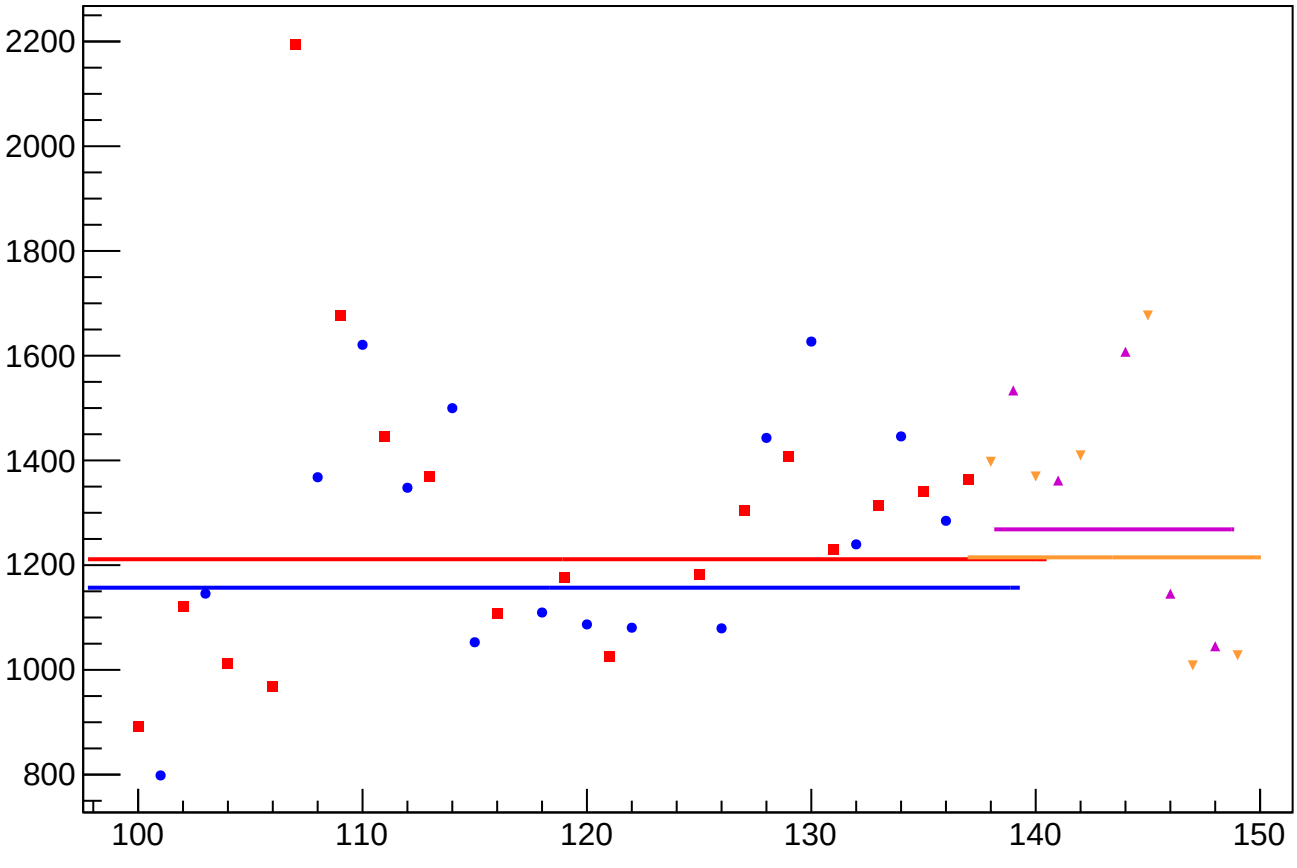
Left: 647.247+/-423.857 χ^2/NDF: 8.1/10

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

In: -9.212+/-358.792 χ^2/NDF:17.0/20

Out: 296.518+/-358.523 χ^2/NDF:23.5/23

All: 143.768+/-253.609 χ^2/NDF: 40.9/44



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

Left Out: 1214.879+/-0.412 χ^2/NDF:310283.4/5

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: 1240.054+/-0.300 χ^2/NDF: 552637.8/10

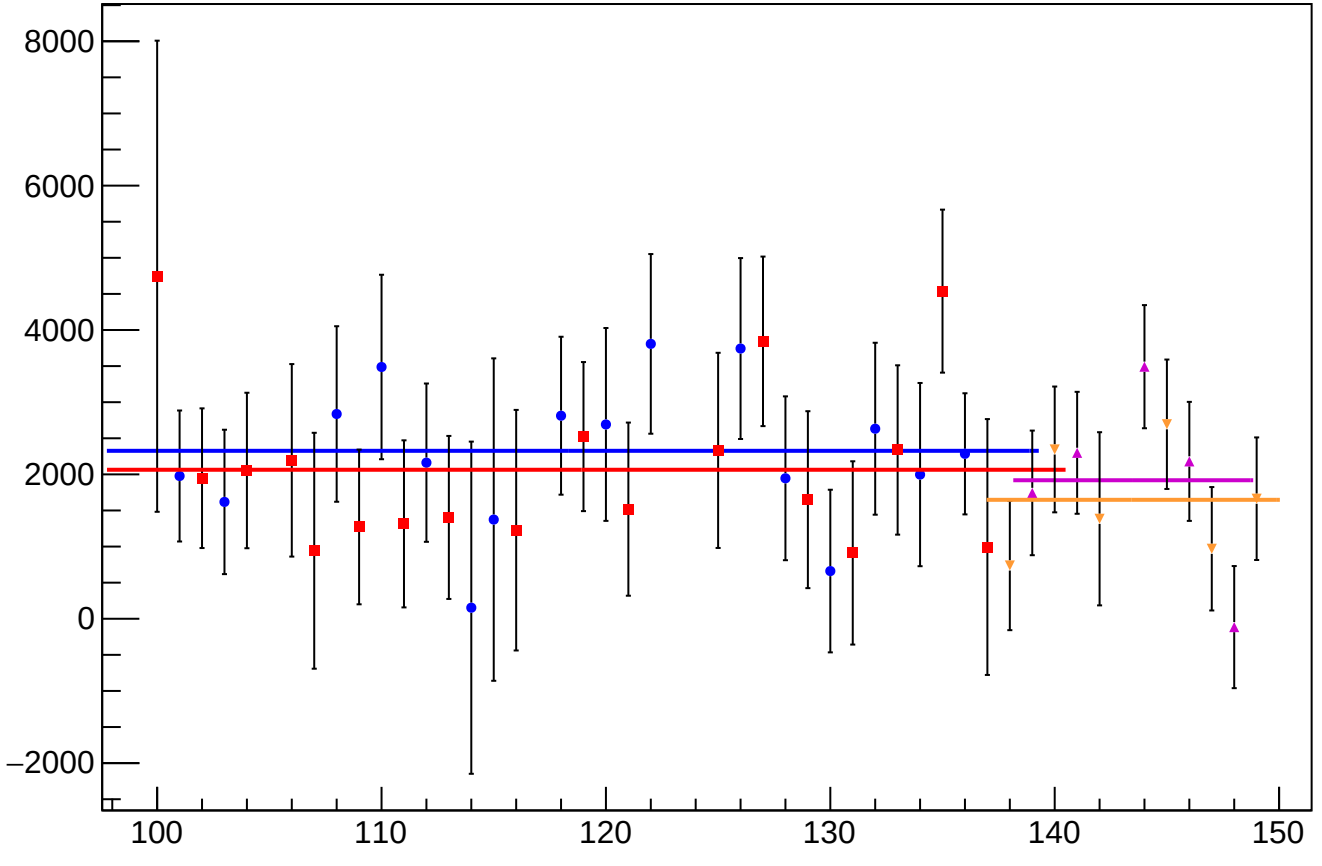
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1212.633+/-0.254 χ^2/NDF:708045.8/23

All: 1203.589+/-0.179 χ^2/NDF: 1557238.3/44

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1647.637+/-371.207 χ^2/NDF:3.7/5

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: 1780.652+/-264.952 χ^2/NDF: 13.5/10

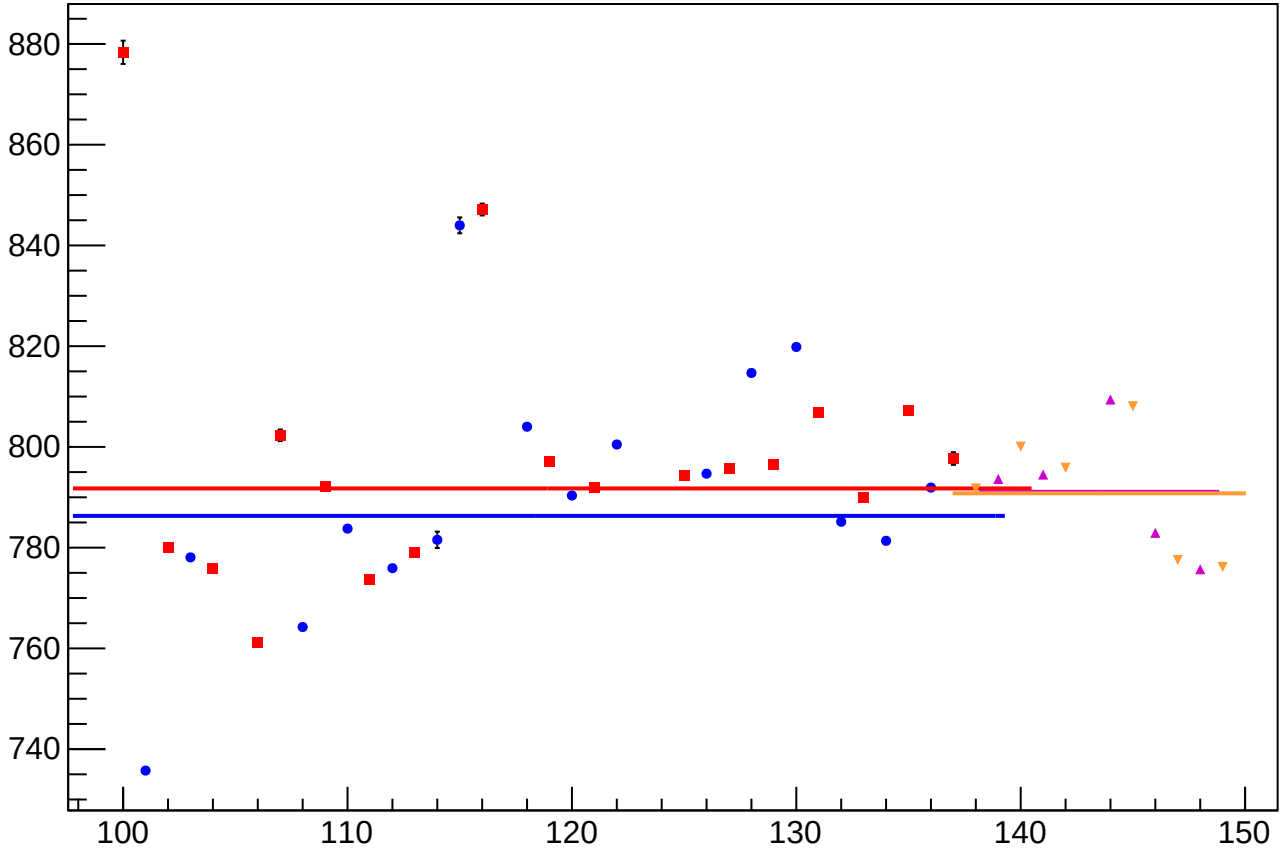
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

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

Out: 1904.972+/-229.402 χ^2/NDF:16.1/23

All: 2038.474+/-162.856 χ^2/NDF: 35.2/44

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.788+/-0.262 χ^2/NDF:2080.4/5

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

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

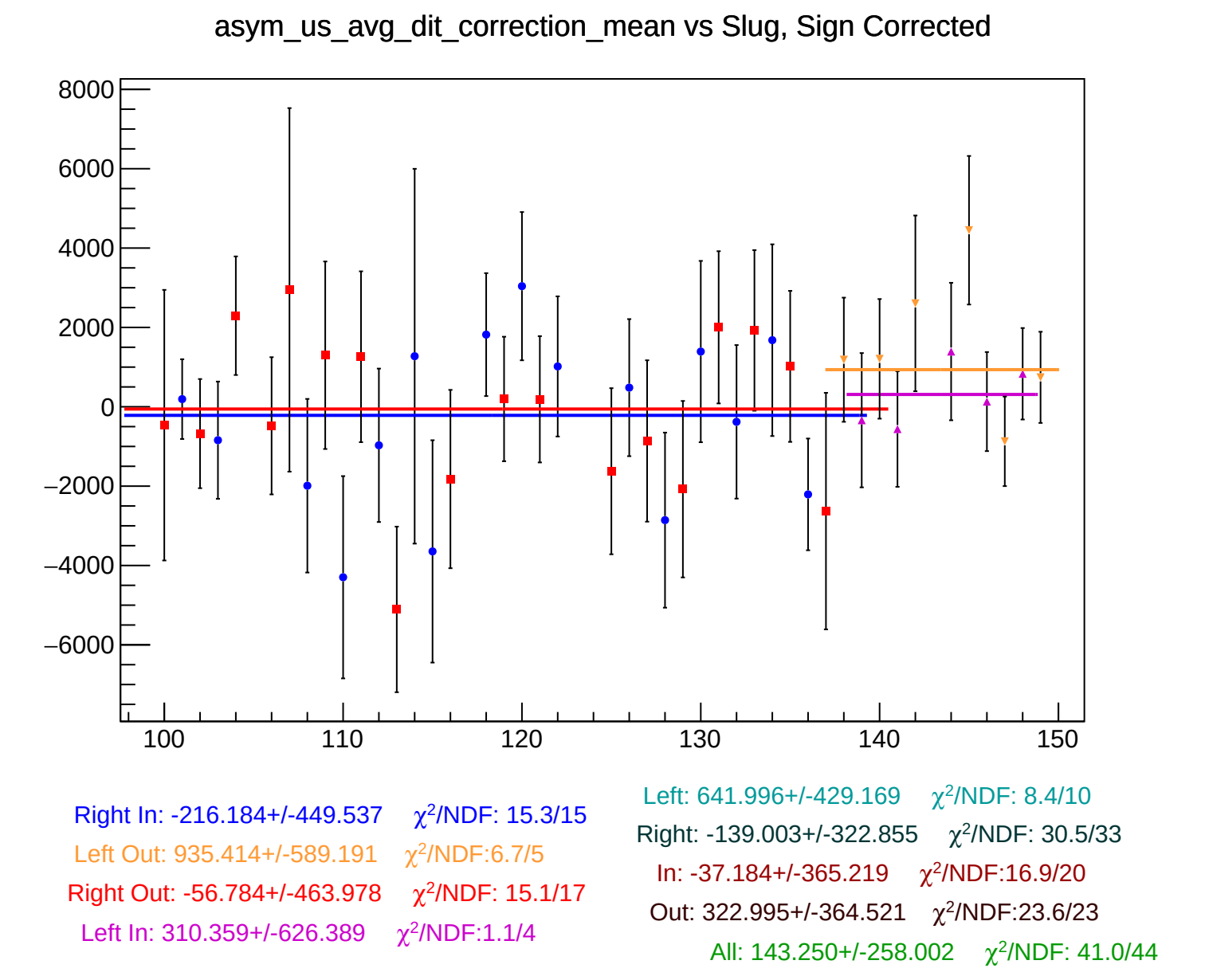
Left: 790.932+/-0.187 χ^2/NDF: 3911.1/10

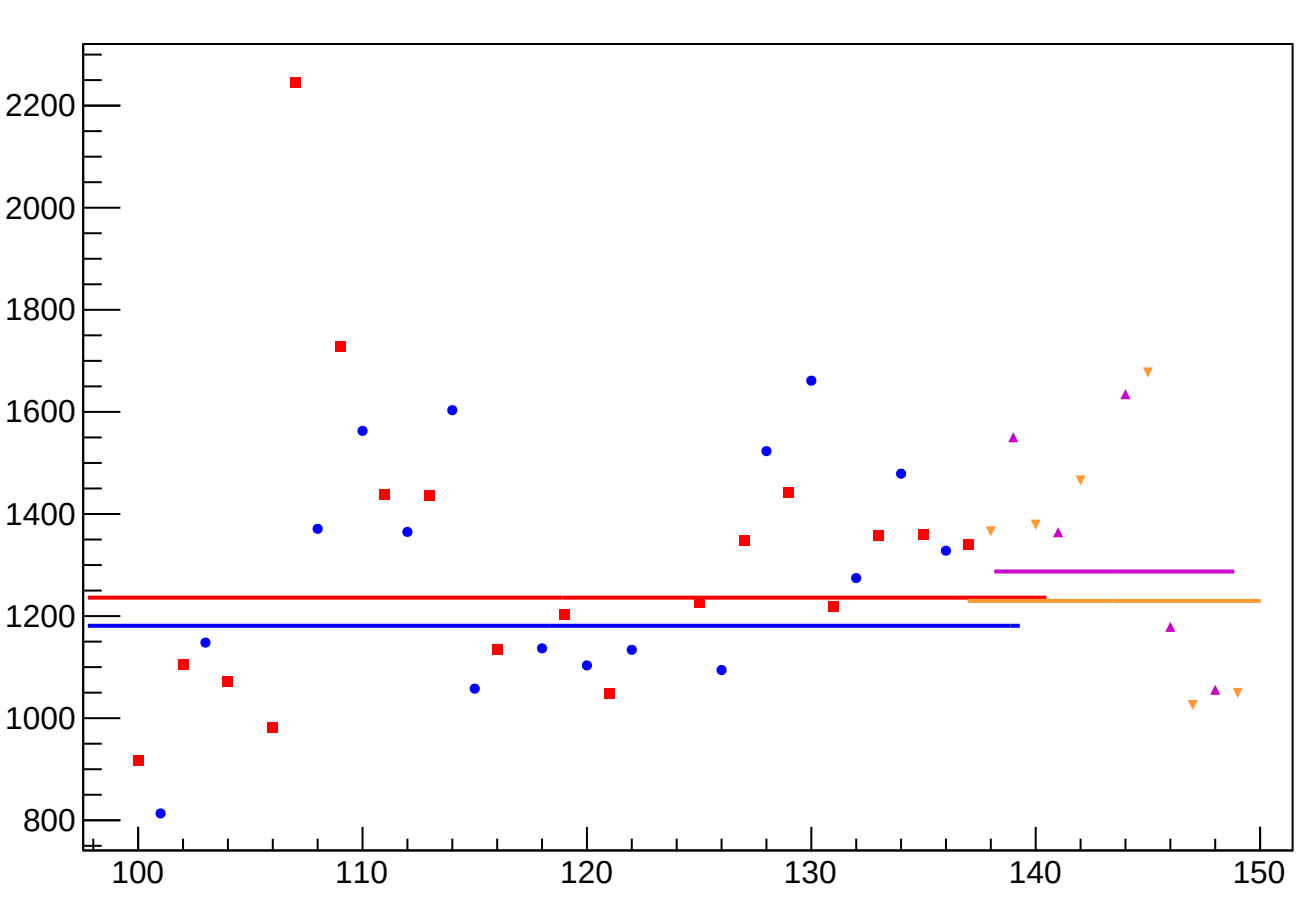
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

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

Out: 791.387+/-0.162 χ^2/NDF:9103.9/23

All: 789.753+/-0.115 χ^2/NDF: 23909.0/44


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: 935.414+/-589.191 χ²/NDF:6.7/5
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 310.359+/-626.389 χ²/NDF:1.1/4
Left: 641.996+/-429.169 χ²/NDF: 8.4/10
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -37.184+/-365.219 χ²/NDF:16.9/20
Out: 322.995+/-364.521 χ²/NDF:23.6/23
All: 143.250+/-258.002 χ²/NDF: 41.0/44



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

Left Out: 1229.792+/-0.417 χ^2/NDF:286486.5/5

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

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

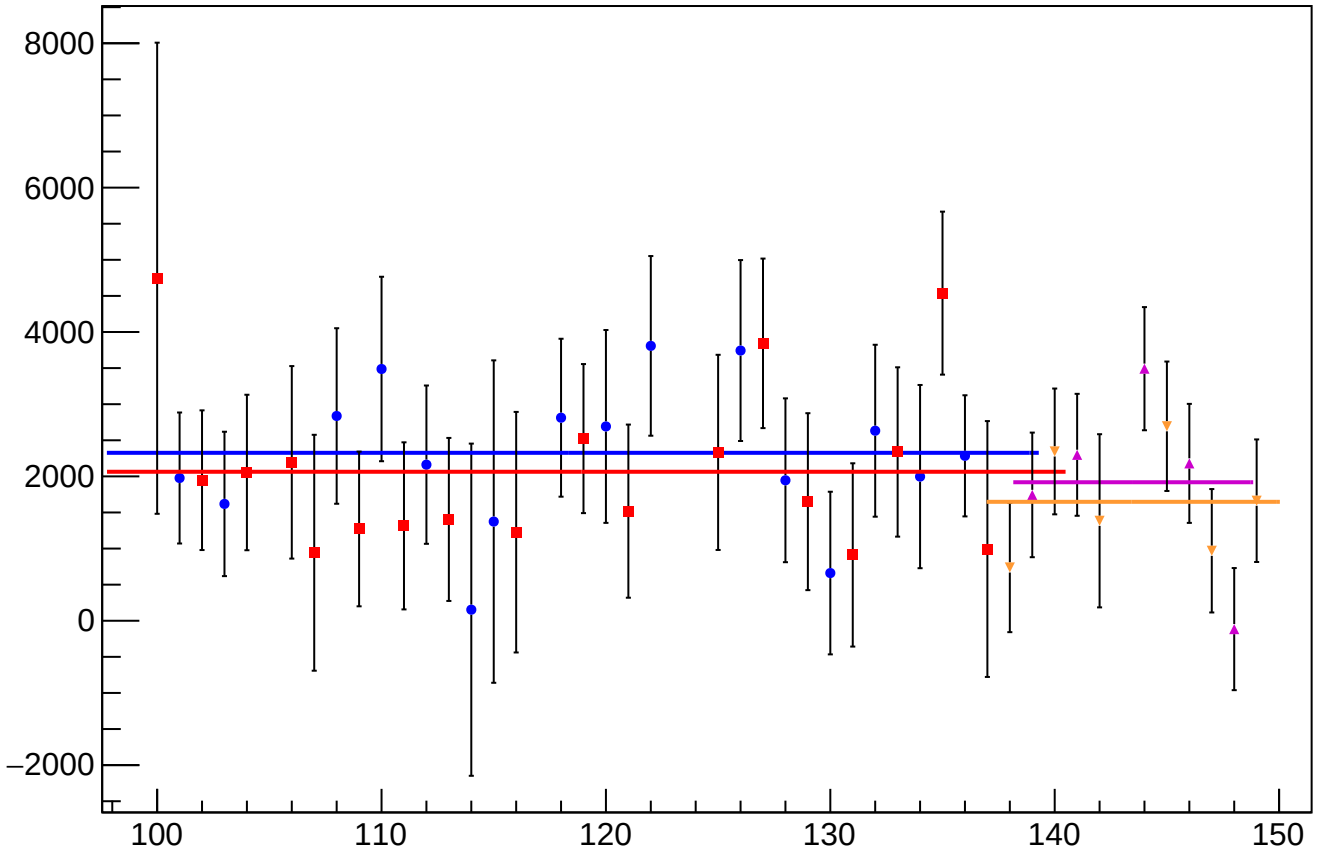
Left: 1256.828+/-0.303 χ^2/NDF: 525629.1/10

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

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

Out: 1233.707+/-0.258 χ^2/NDF:683871.8/23

All: 1225.452+/-0.182 χ^2/NDF: 1525287.2/44



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

Left Out: 1647.638+/-371.207 χ^2/NDF:3.7/5

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

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

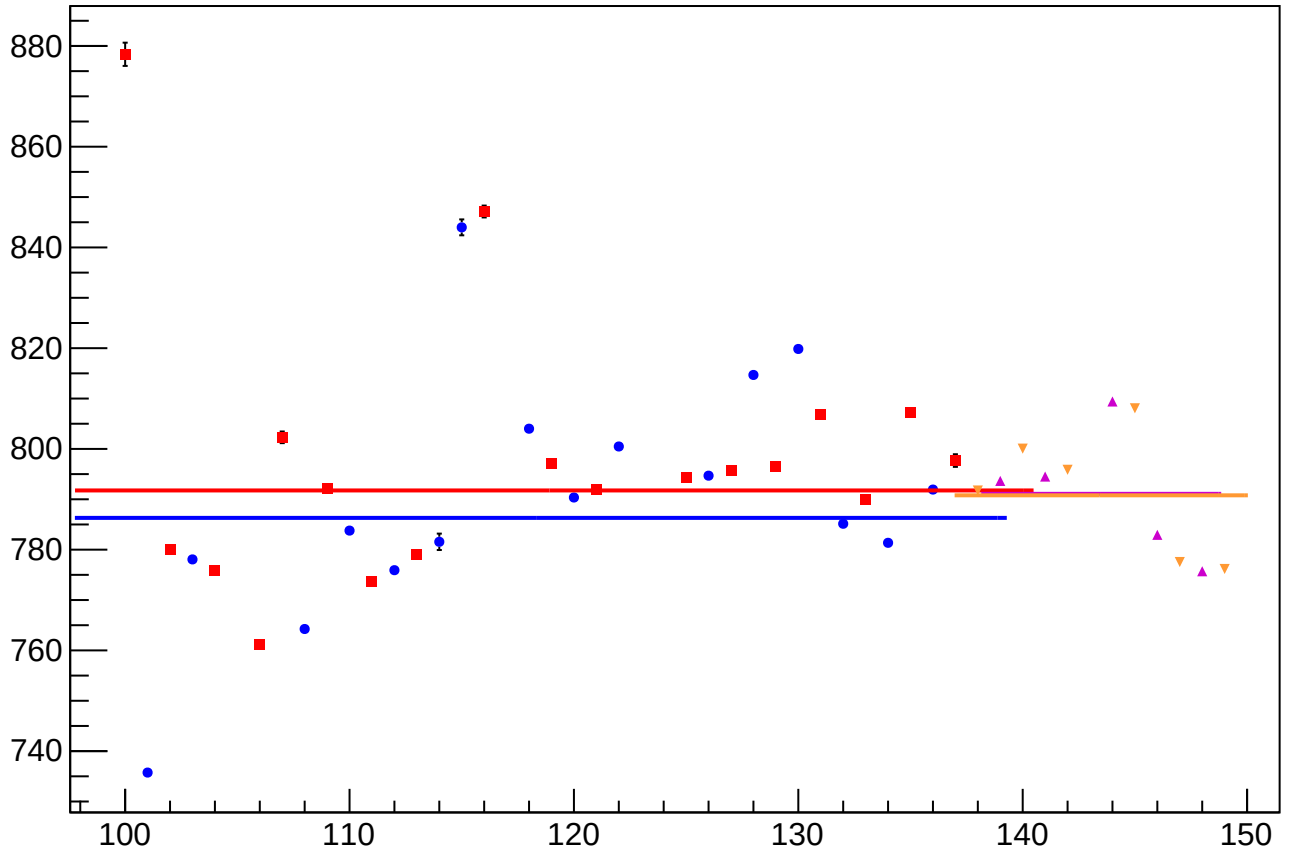
Left: 1780.653+/-264.952 χ^2/NDF: 13.5/10

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

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

Out: 1904.972+/-229.402 χ^2/NDF:16.1/23

All: 2038.474+/-162.856 χ^2/NDF: 35.2/44



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

Left Out: 790.788+/-0.262 χ^2/NDF:2080.4/5

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

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

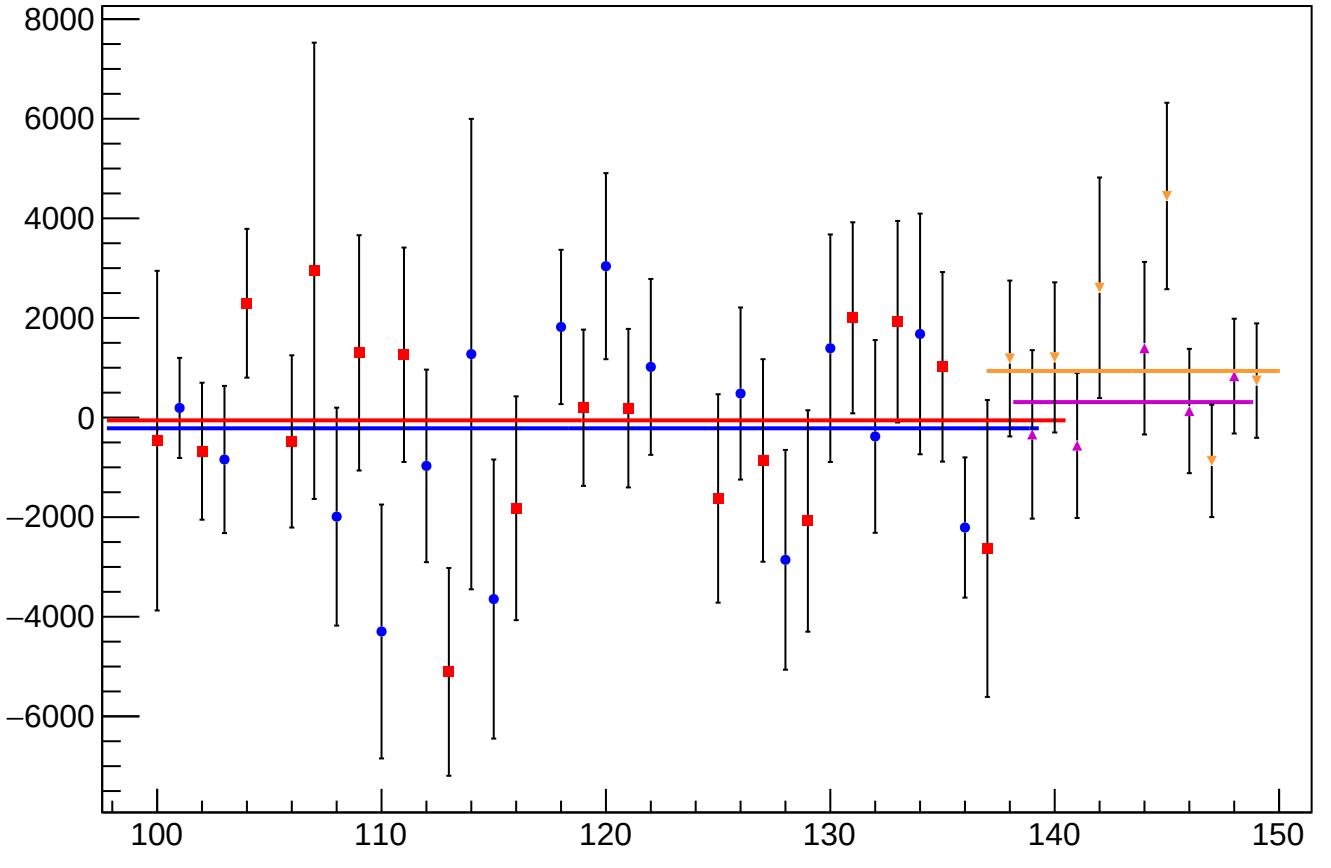
Left: 790.932+/-0.187 χ^2/NDF: 3911.1/10

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

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

Out: 791.386+/-0.162 χ^2/NDF:9103.9/23

All: 789.753+/-0.115 χ^2/NDF: 23908.9/44



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

Left Out: 935.412+/-589.192 χ^2/NDF:6.7/5

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

Left In: 310.359+/-626.390 χ^2/NDF:1.1/4

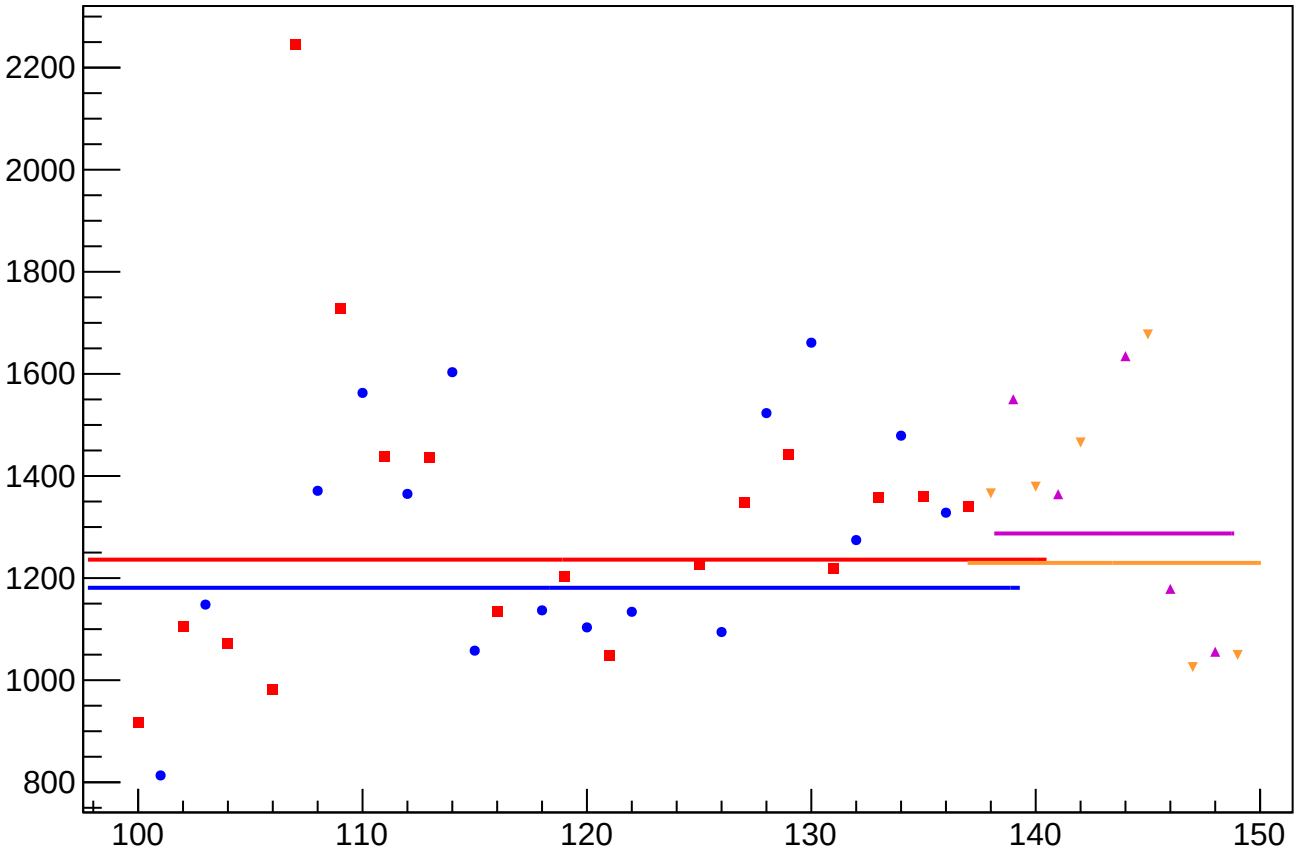
Left: 641.995+/-429.170 χ^2/NDF: 8.4/10

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

In: -37.185+/-365.218 χ^2/NDF:16.9/20

Out: 322.993+/-364.521 χ^2/NDF:23.6/23

All: 143.248+/-258.001 χ^2/NDF: 41.0/44



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

Left Out: 1229.794+/-0.417 χ^2/NDF:286487.8/5

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: 1256.831+/-0.303 χ^2/NDF: 525631.3/10

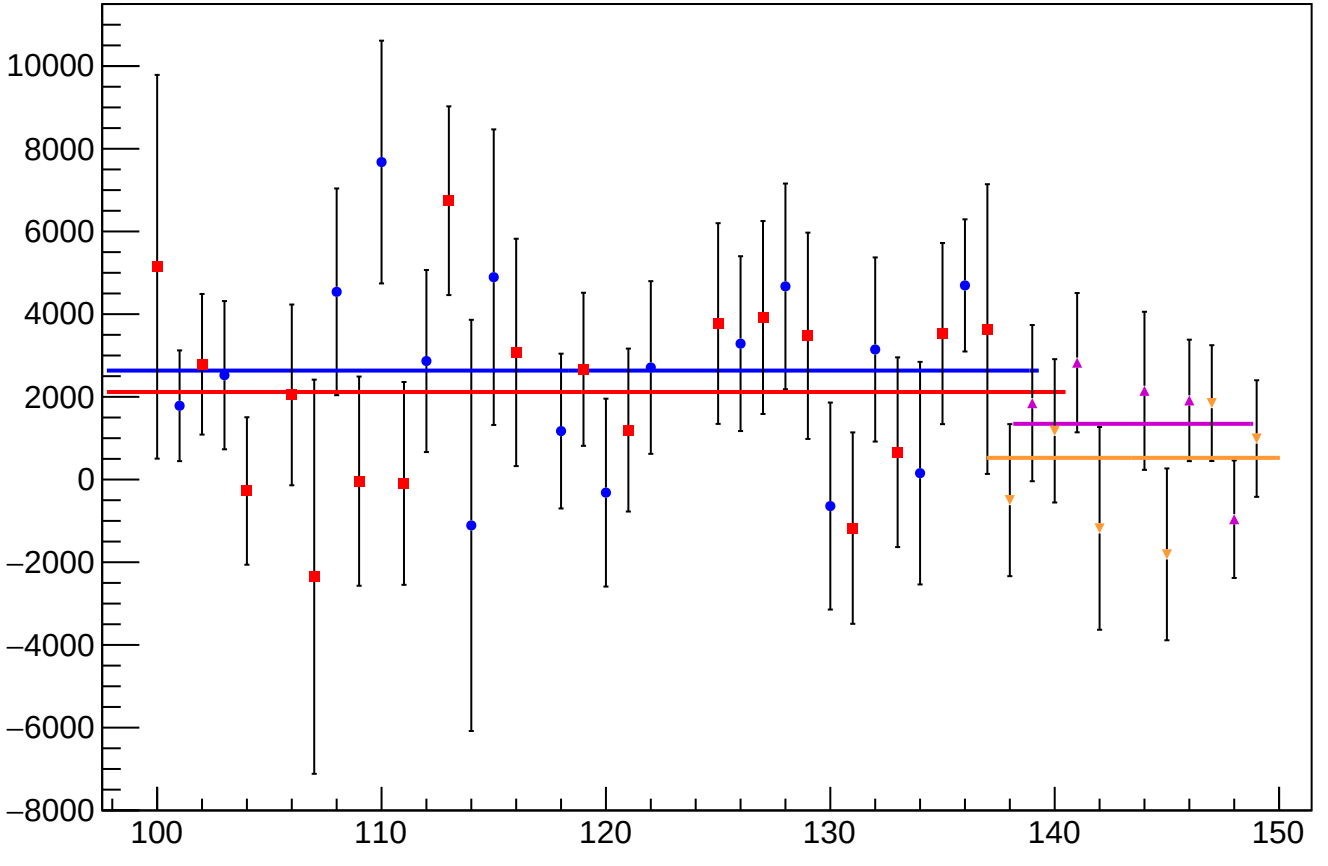
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1233.705+/-0.258 χ^2/NDF:683871.3/23

All: 1225.450+/-0.182 χ^2/NDF: 1525289.2/44

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 524.699+/-700.241 χ^2/NDF:3.2/5

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: 917.777+/-506.095 χ^2/NDF: 7.7/10

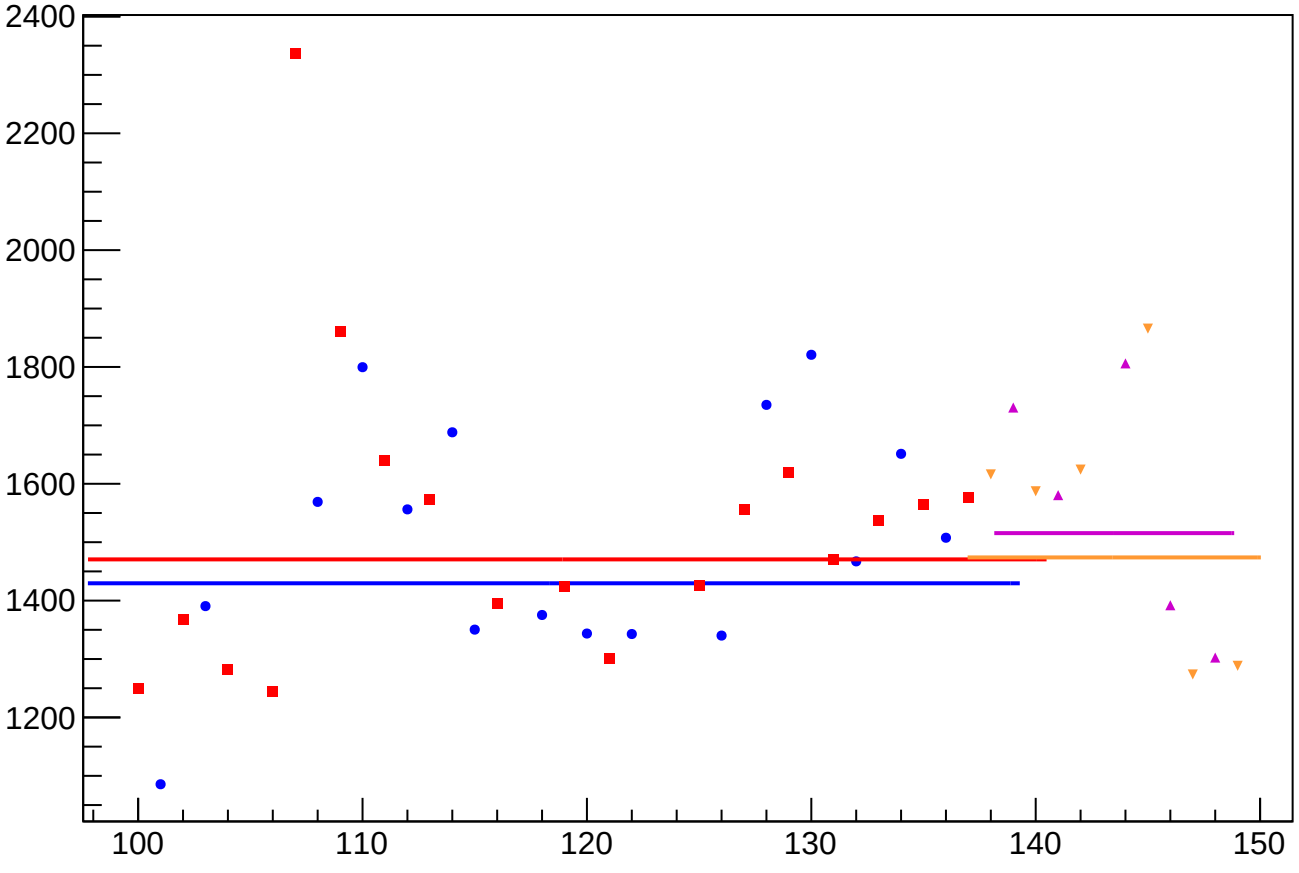
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1513.015+/-431.304 χ^2/NDF:20.1/23

All: 1846.710+/-305.781 χ^2/NDF: 39.4/44

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1473.925+/-0.495 χ^2/NDF:174630.1/5

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

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

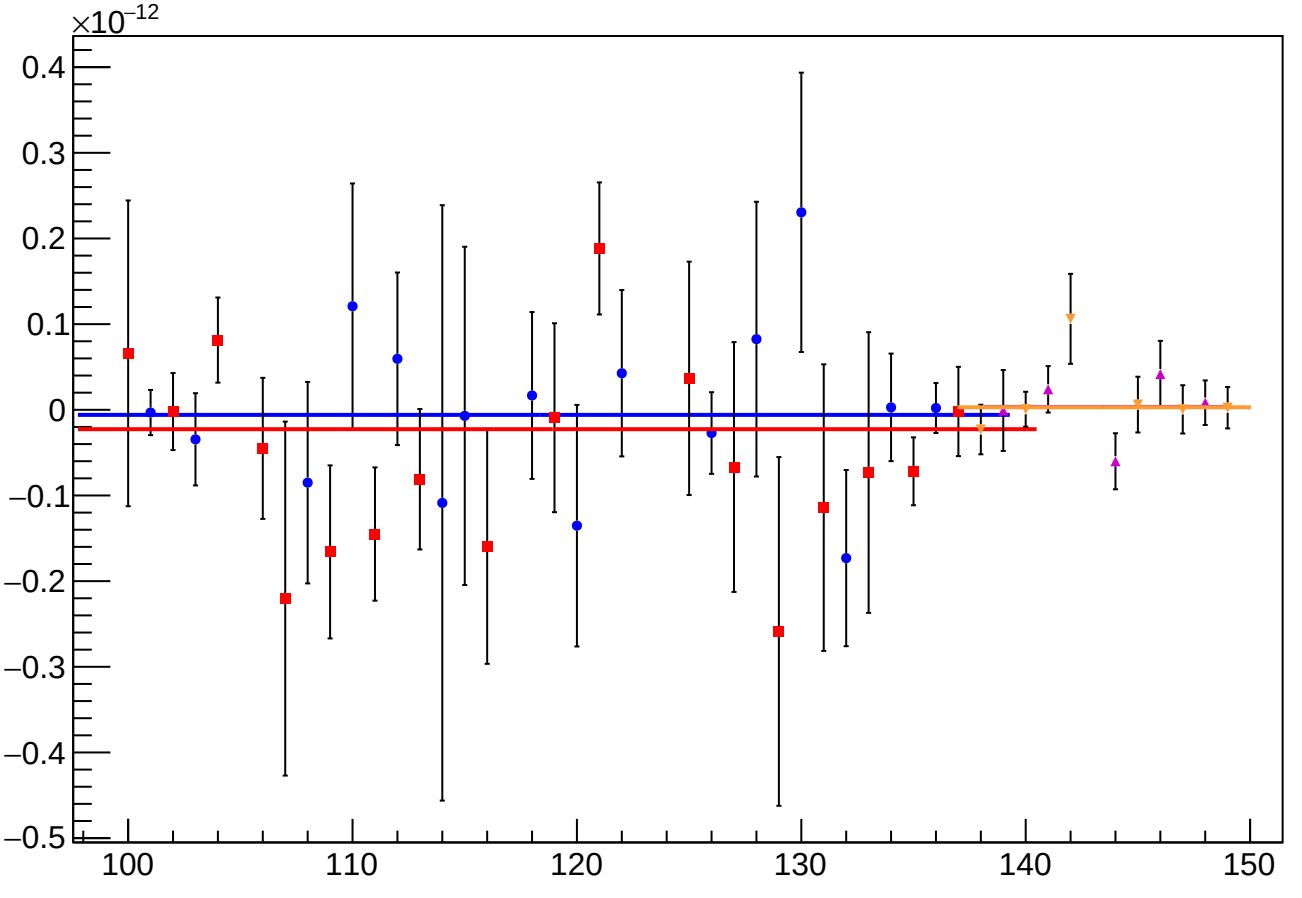
Left: 1493.797+/-0.358 χ^2/NDF: 312164.0/10

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

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

Out: 1471.840+/-0.305 χ^2/NDF:392726.2/23

All: 1465.832+/-0.216 χ^2/NDF: 838918.7/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/5

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

Left In: 0.000+/-0.000 χ^2/NDF:5.4/4

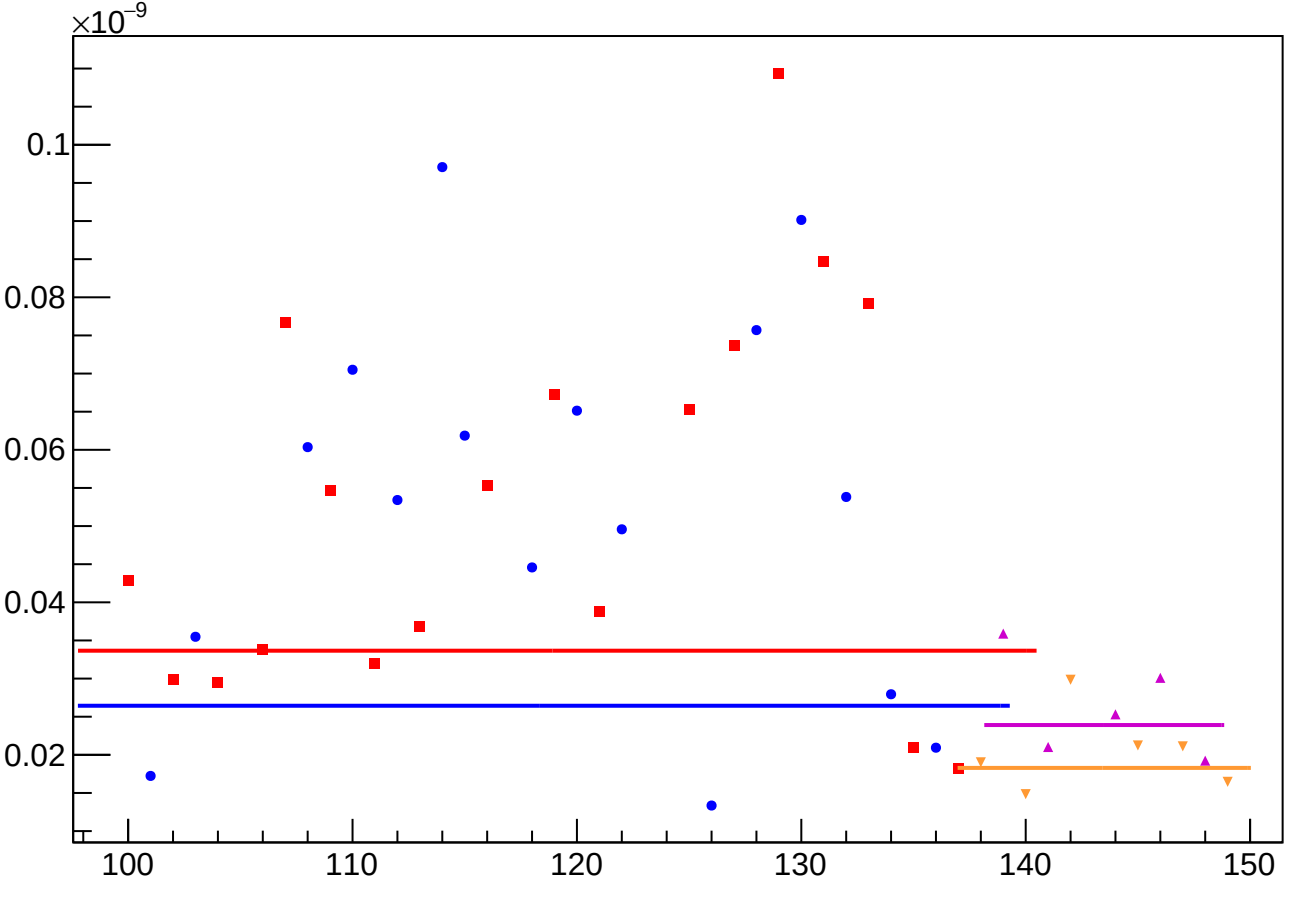
Left: 0.000+/-0.000 χ^2/NDF: 10.1/10

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:29.2/23

All: -0.000+/-0.000 χ^2/NDF: 43.3/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:203193.6/5

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

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

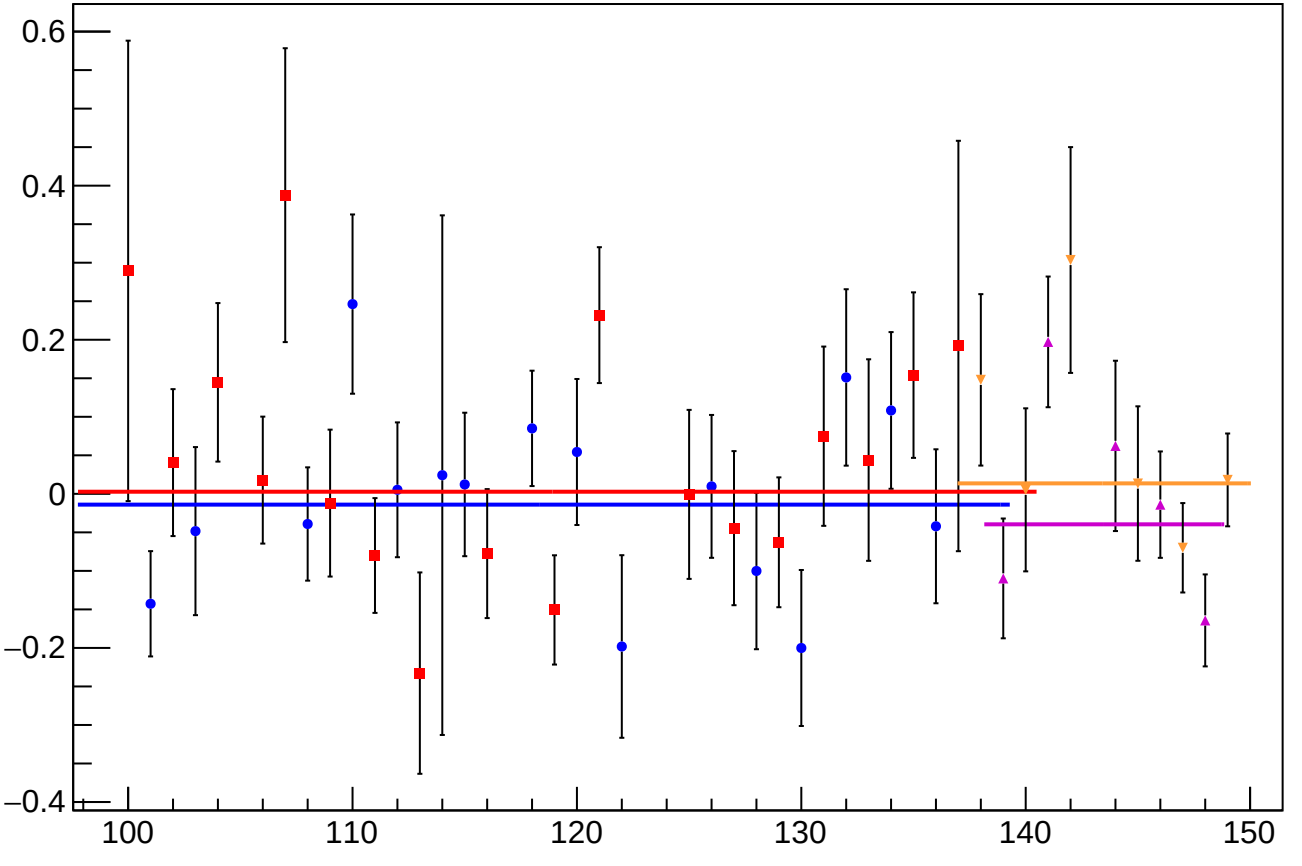
Left: 0.000+/-0.000 χ^2/NDF: 664847.4/10

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:2946749.3/23

All: 0.000+/-0.000 χ^2/NDF: 5450596.8/44



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

Left Out: 0.014+/-0.034 χ^2/NDF:7.5/5

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

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

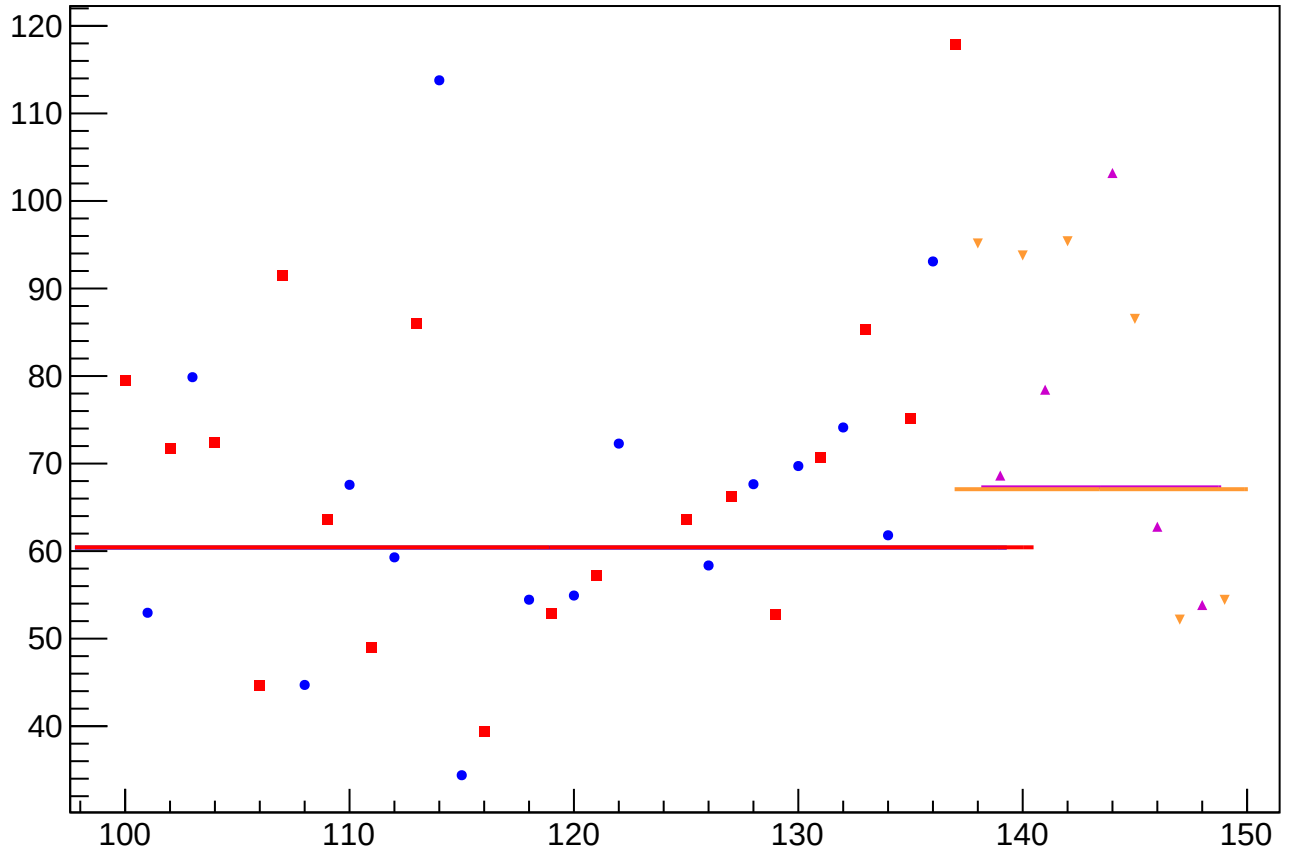
Left: -0.013+/-0.024 χ^2/NDF: 22.7/10

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.006+/-0.019 χ^2/NDF:35.3/23

All: -0.008+/-0.014 χ^2/NDF: 72.1/44



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

Left Out: 67.072+/-0.024 χ^2/NDF:624725.9/5

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

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

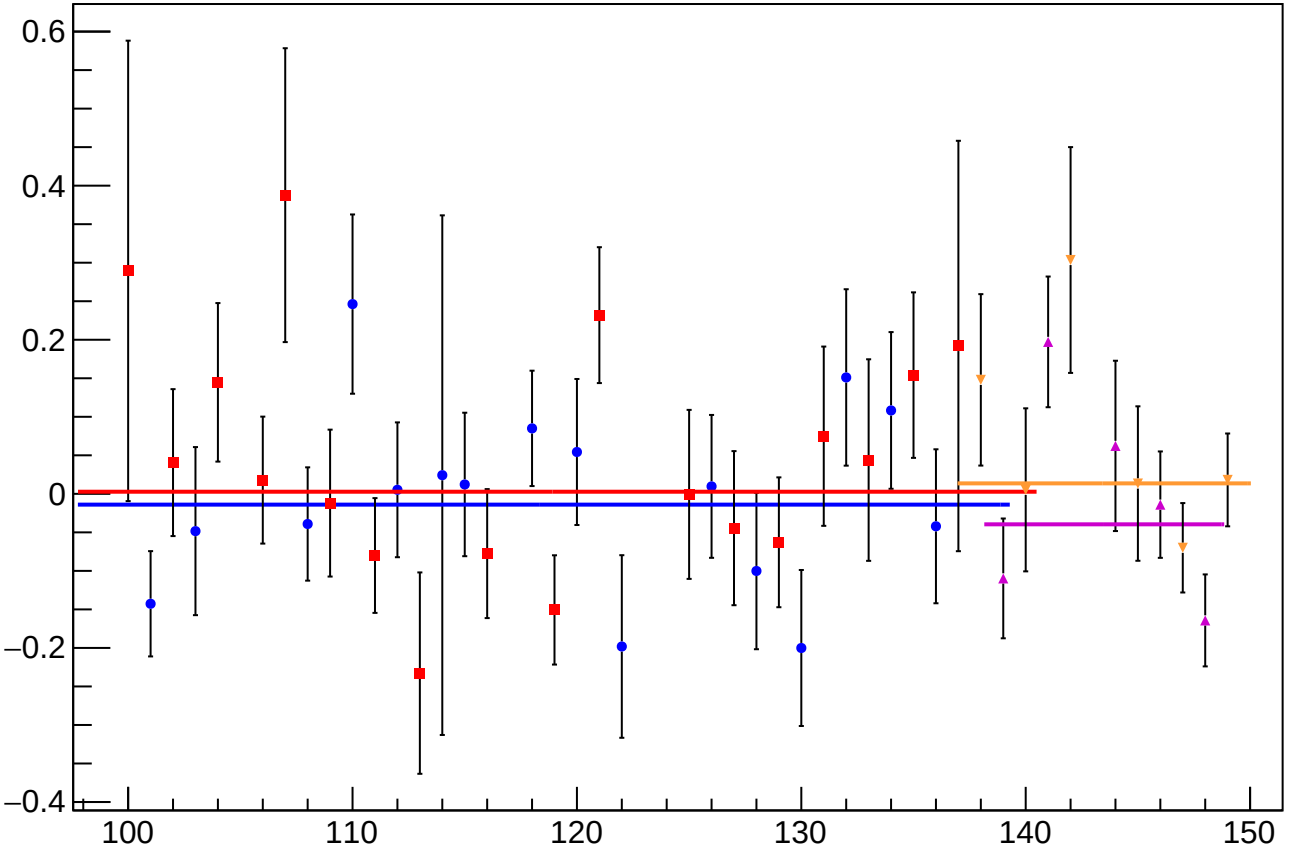
Left: 67.176+/-0.017 χ^2/NDF: 980965.4/10

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

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

Out: 62.656+/-0.014 χ^2/NDF:1387920.3/23

All: 62.673+/-0.010 χ^2/NDF: 2502678.8/44



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

Left Out: 0.014+/-0.034 χ^2/NDF:7.5/5

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

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

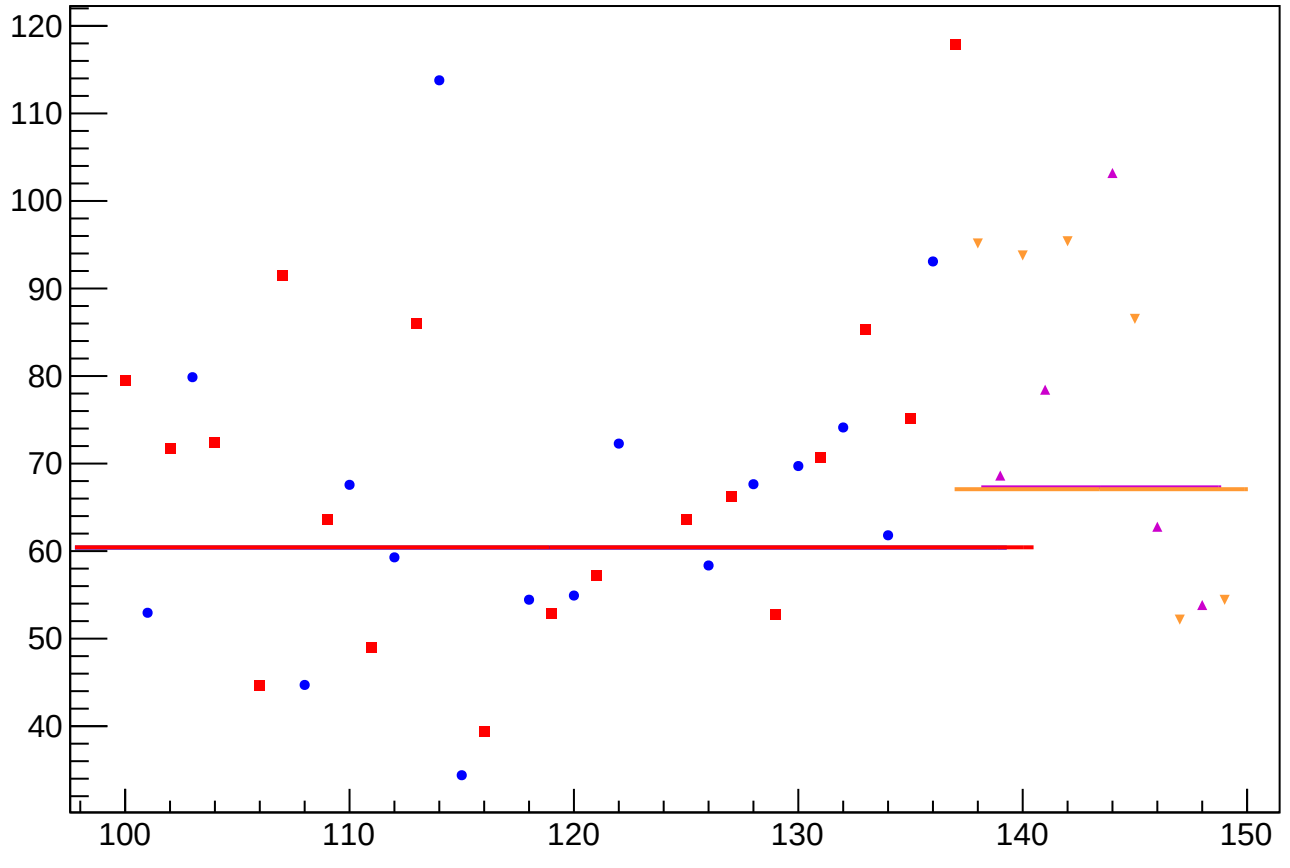
Left: -0.013+/-0.024 χ^2/NDF: 22.7/10

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.006+/-0.019 χ^2/NDF:35.3/23

All: -0.008+/-0.014 χ^2/NDF: 72.1/44



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

Left Out: 67.072+/-0.024 χ^2/NDF:624725.9/5

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

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

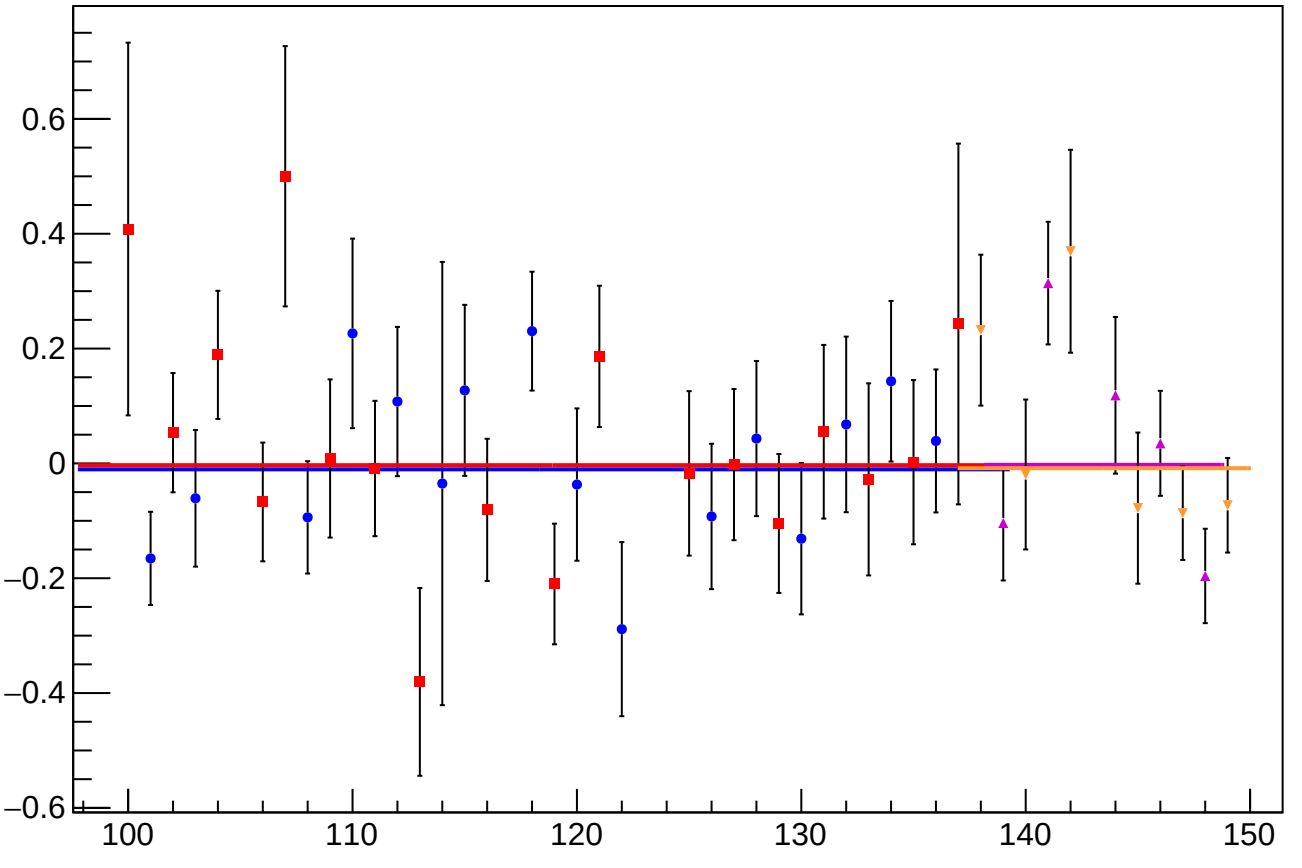
Left: 67.176+/-0.017 χ^2/NDF: 980965.4/10

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

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

Out: 62.656+/-0.014 χ^2/NDF:1387920.3/23

All: 62.673+/-0.010 χ^2/NDF: 2502678.8/44



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

Left Out: -0.008+/-0.045 χ^2/NDF:9.7/5

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

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

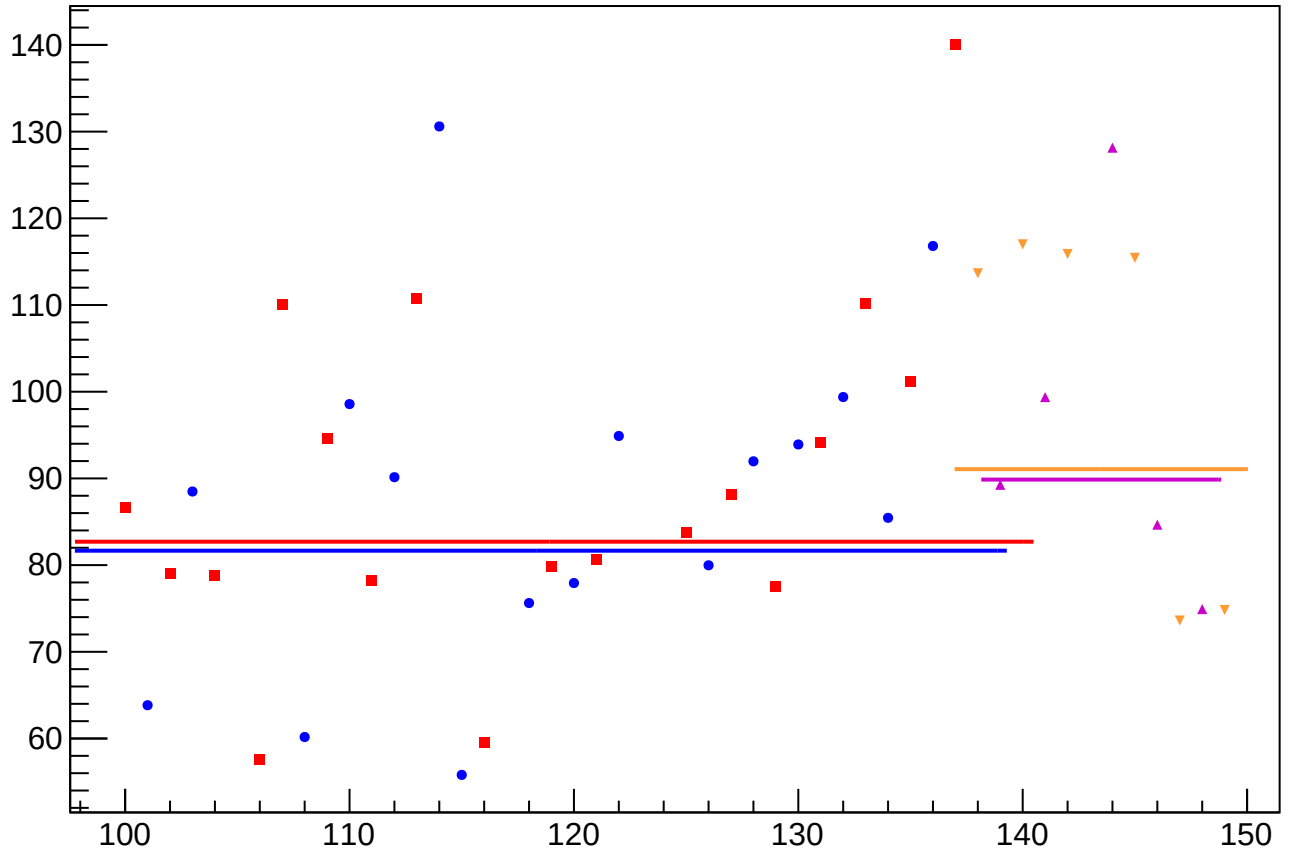
Left: -0.005+/-0.031 χ^2/NDF: 26.1/10

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

In: -0.008+/-0.026 χ^2/NDF:36.5/20

Out: -0.005+/-0.026 χ^2/NDF:33.4/23

All: -0.006+/-0.018 χ^2/NDF: 69.9/44



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

Left Out: 91.068+/-0.031 χ^2/NDF:415894.0/5

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

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

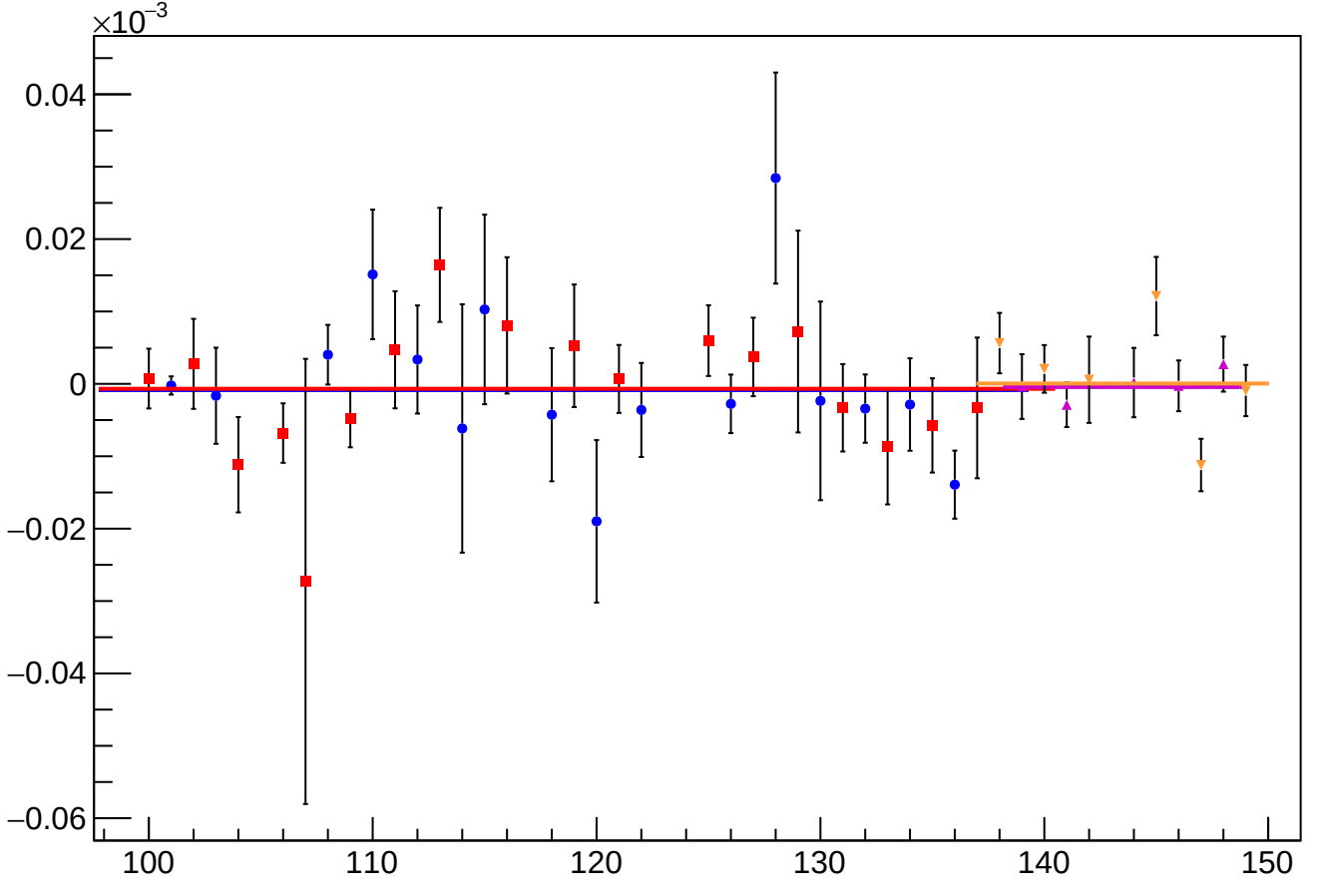
Left: 90.464+/-0.022 χ^2/NDF: 662463.7/10

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

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

Out: 85.521+/-0.018 χ^2/NDF:935803.4/23

All: 84.972+/-0.013 χ^2/NDF: 1790645.6/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

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: 18.3/10

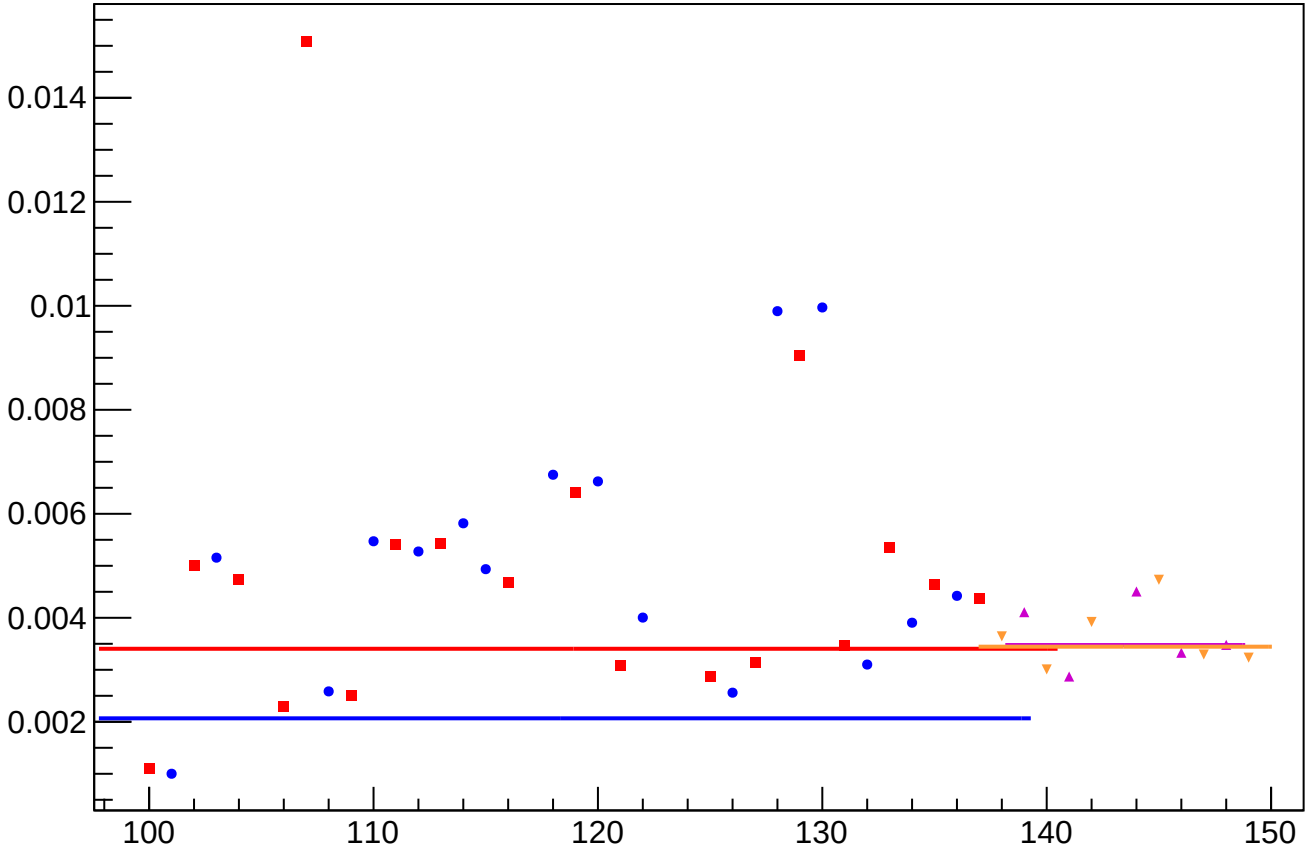
Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: -0.000+/-0.000 χ^2/NDF:22.7/20

Out: -0.000+/-0.000 χ^2/NDF:35.3/23

All: -0.000+/-0.000 χ^2/NDF: 58.1/44

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left Out: 0.003+/-0.000 χ^2/NDF:176257.3/5

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

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

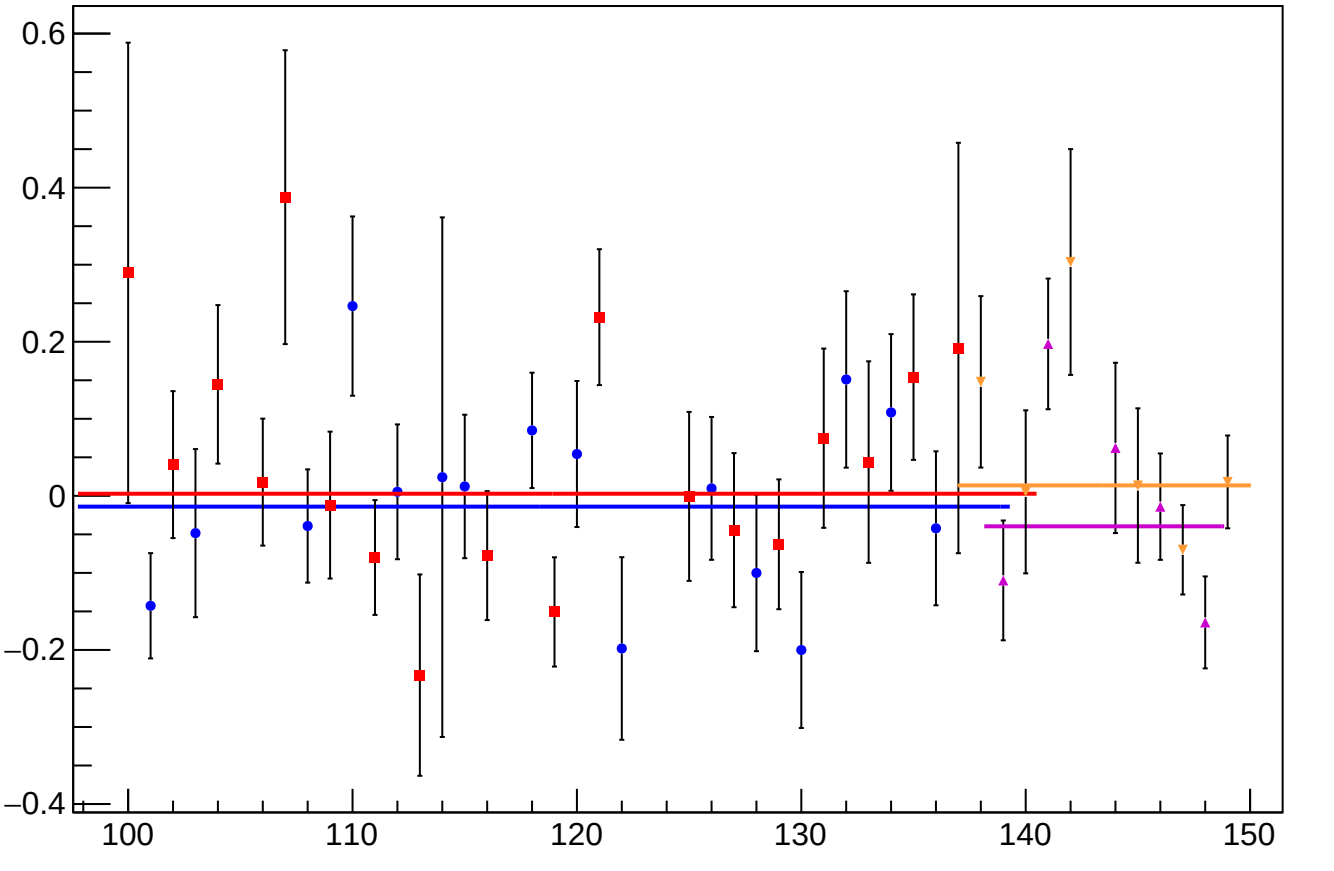
Left: 0.003+/-0.000 χ^2/NDF: 390787.9/10

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:2668241.3/23

All: 0.003+/-0.000 χ^2/NDF: 10736698.6/44



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

Left Out: 0.014+/-0.034 χ^2/NDF:7.5/5

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

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

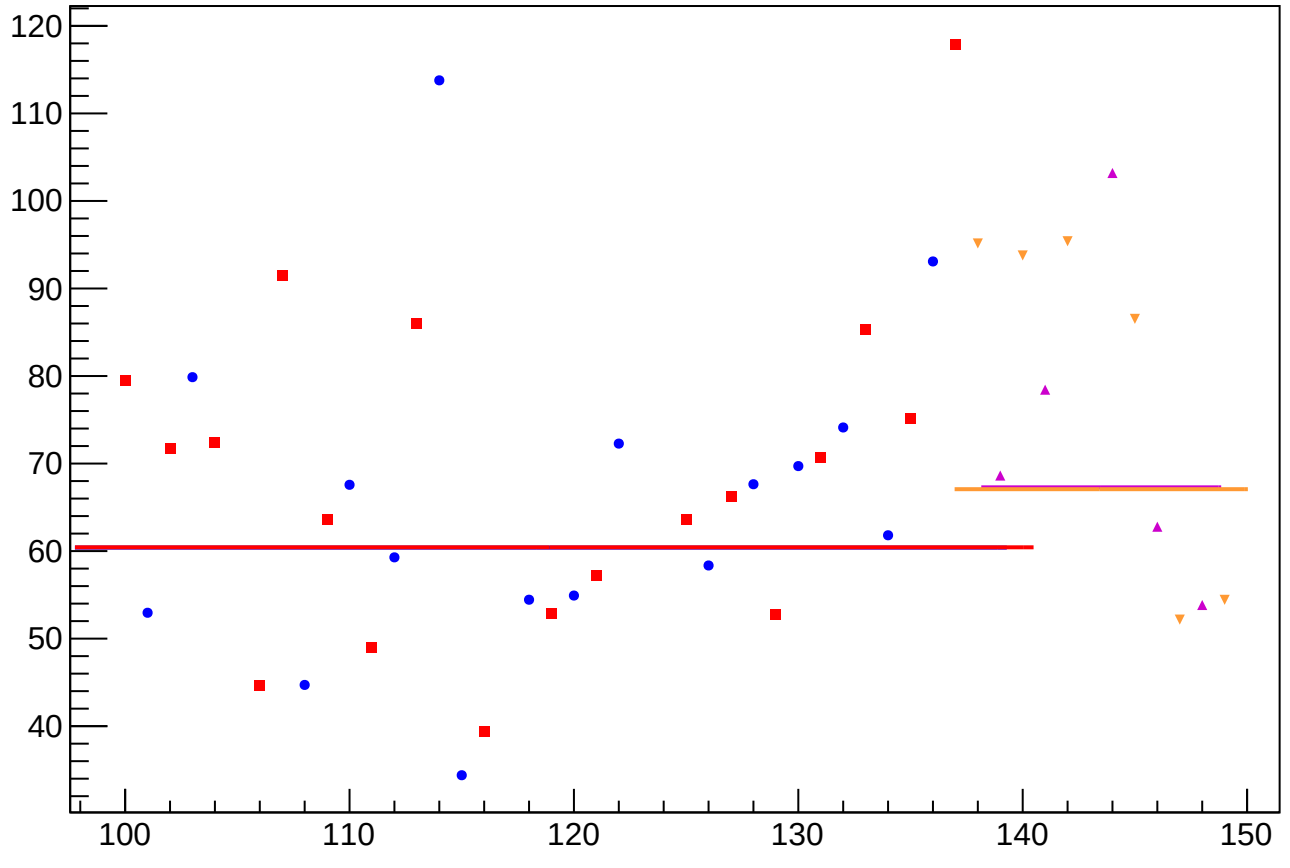
Left: -0.013+/-0.024 χ^2/NDF: 22.7/10

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.006+/-0.019 χ^2/NDF:35.3/23

All: -0.008+/-0.014 χ^2/NDF: 72.1/44



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

Left Out: 67.072+/-0.024 χ^2/NDF:624717.2/5

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

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

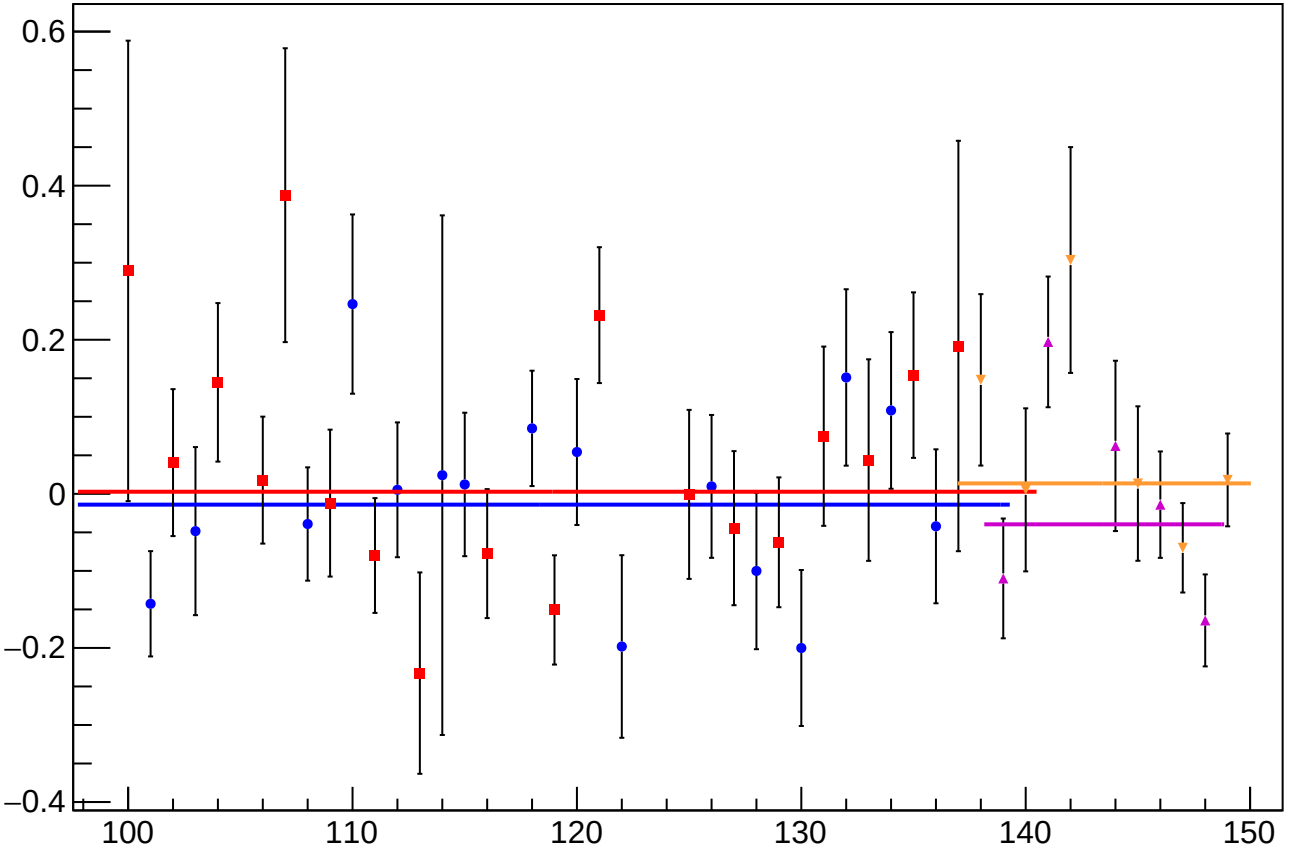
Left: 67.176+/-0.017 χ^2/NDF: 980953.3/10

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

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

Out: 62.655+/-0.014 χ^2/NDF:1387972.6/23

All: 62.672+/-0.010 χ^2/NDF: 2502766.6/44



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

Left Out: 0.014+/-0.034 χ^2/NDF:7.5/5

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

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

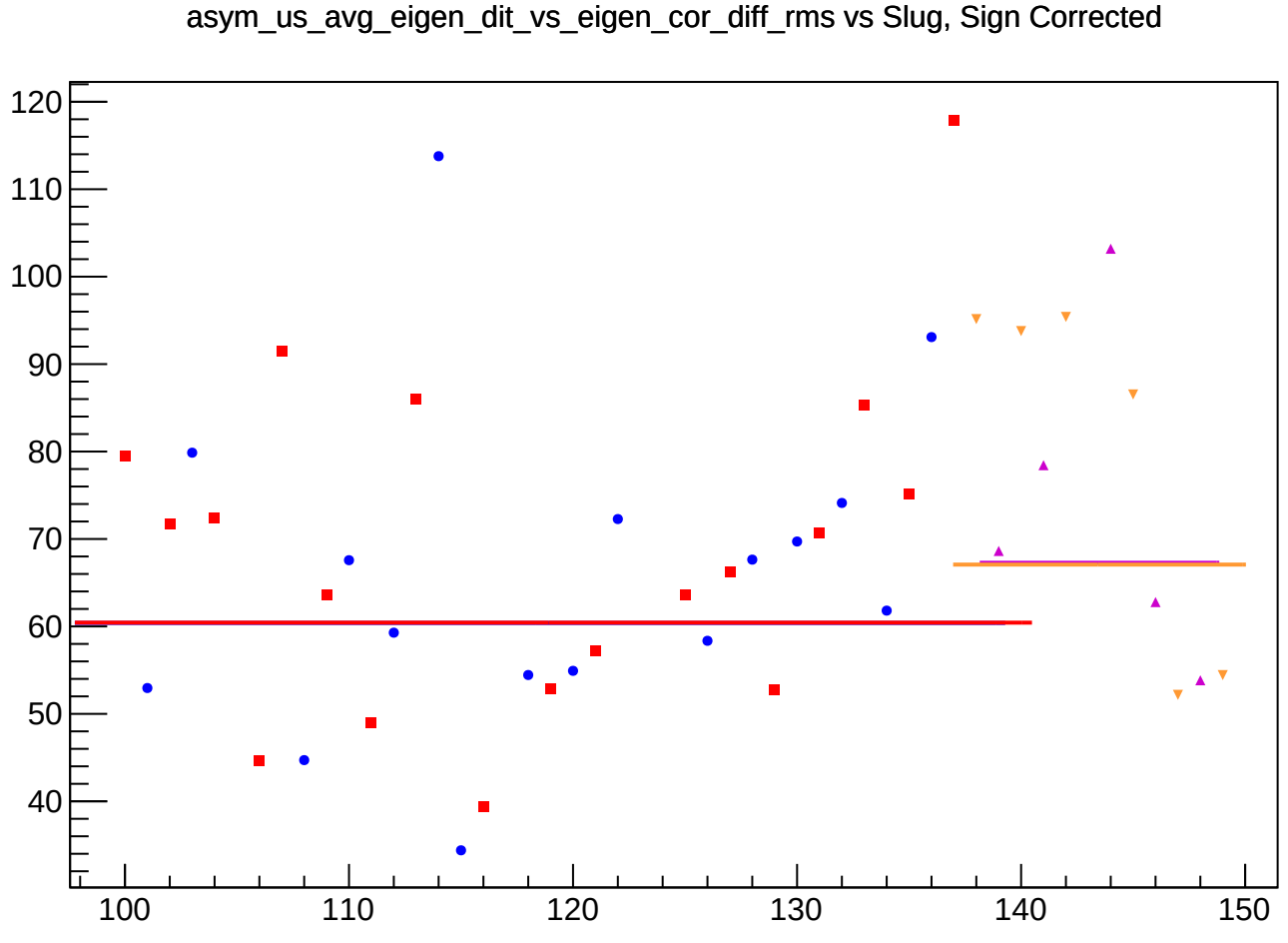
Left: -0.013+/-0.024 χ^2/NDF: 22.7/10

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

In: -0.023+/-0.019 χ^2/NDF:35.7/20

Out: 0.006+/-0.019 χ^2/NDF:35.3/23

All: -0.008+/-0.014 χ^2/NDF: 72.1/44



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

Left Out: 67.072+/-0.024 χ^2/NDF:624717.2/5

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: 67.176+/-0.017 χ^2/NDF: 980953.3/10

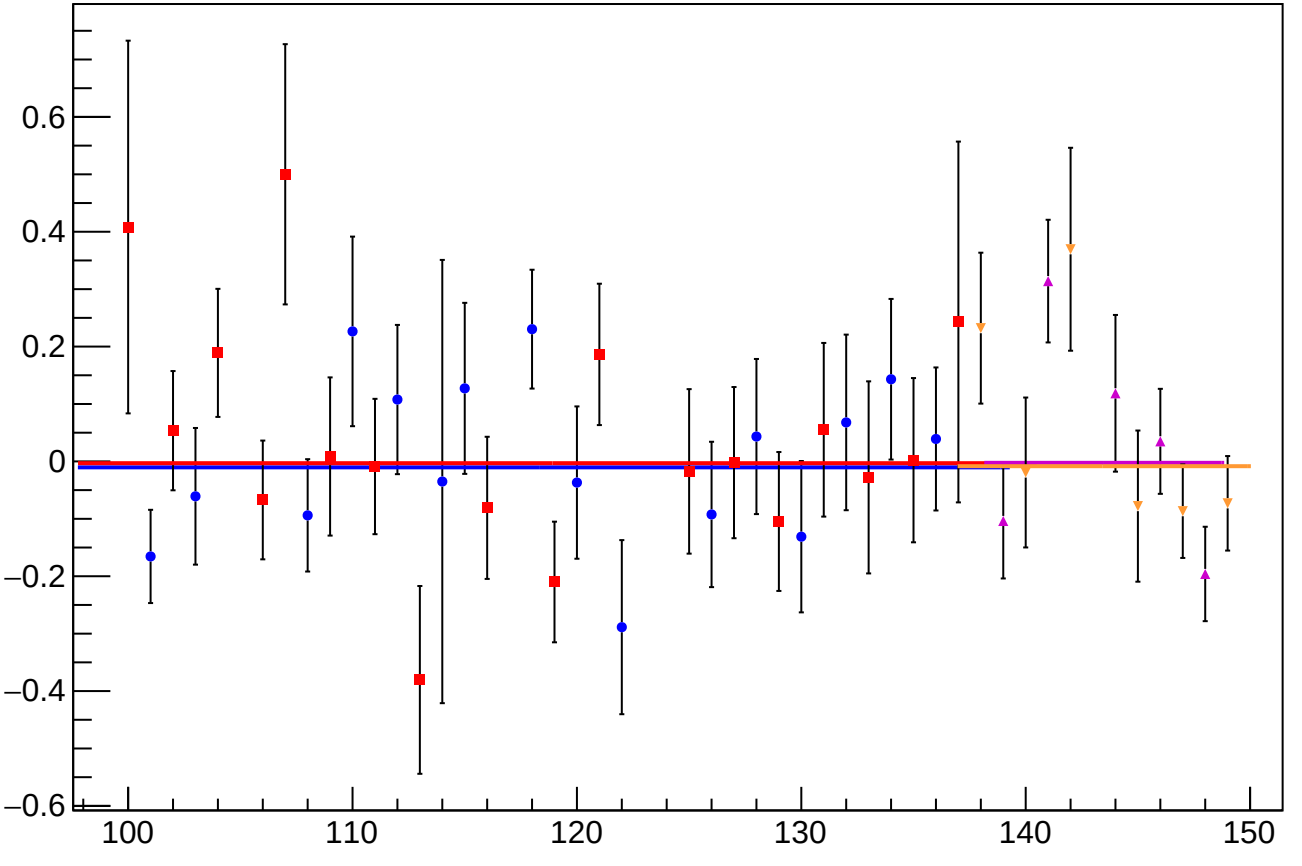
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 62.655+/-0.014 χ^2/NDF:1387972.6/23

All: 62.672+/-0.010 χ^2/NDF: 2502766.6/44

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: -0.008+/-0.045 χ^2/NDF:9.7/5

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: -0.005+/-0.031 χ^2/NDF: 26.1/10

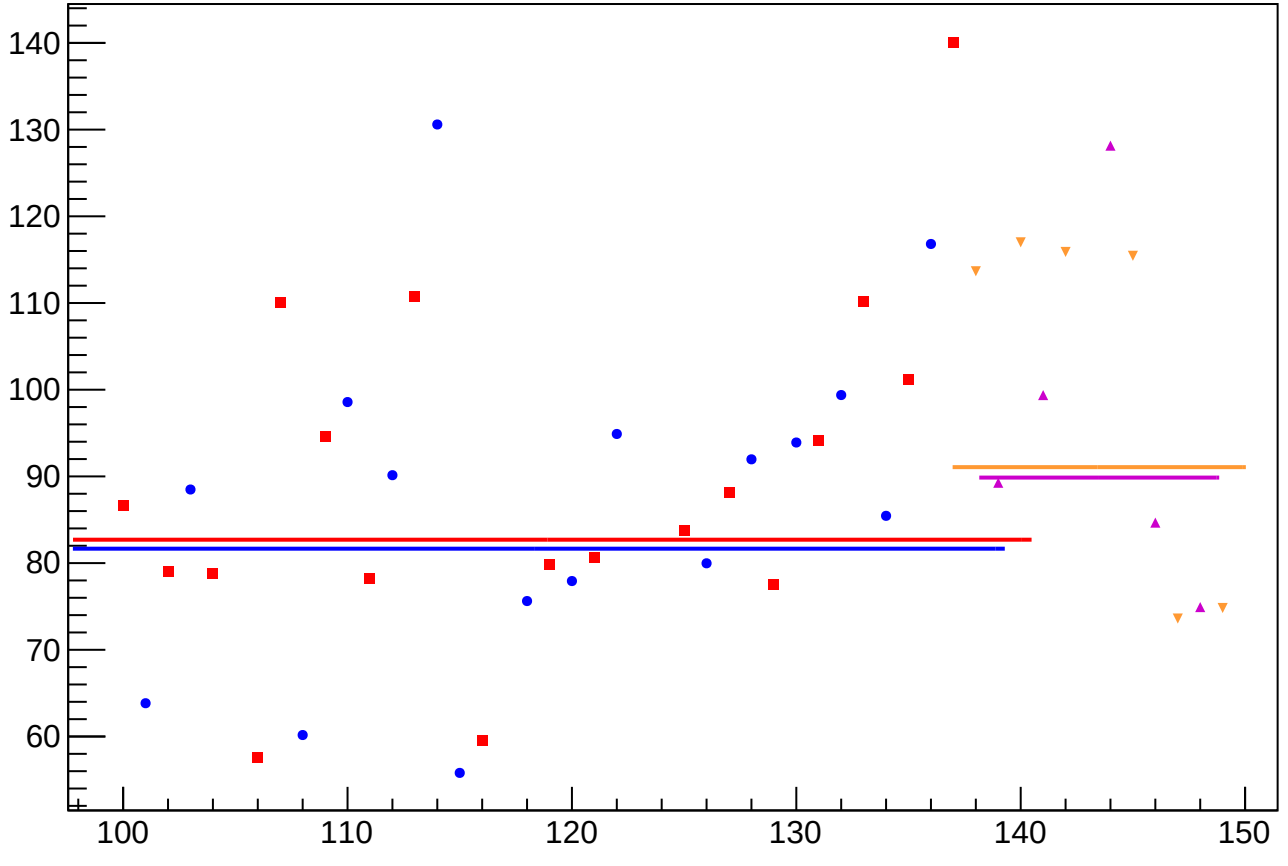
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: -0.008+/-0.026 χ^2/NDF:36.5/20

Out: -0.005+/-0.026 χ^2/NDF:33.4/23

All: -0.006+/-0.018 χ^2/NDF: 69.9/44

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 91.068+/-0.031 χ^2/NDF:415888.9/5

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

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

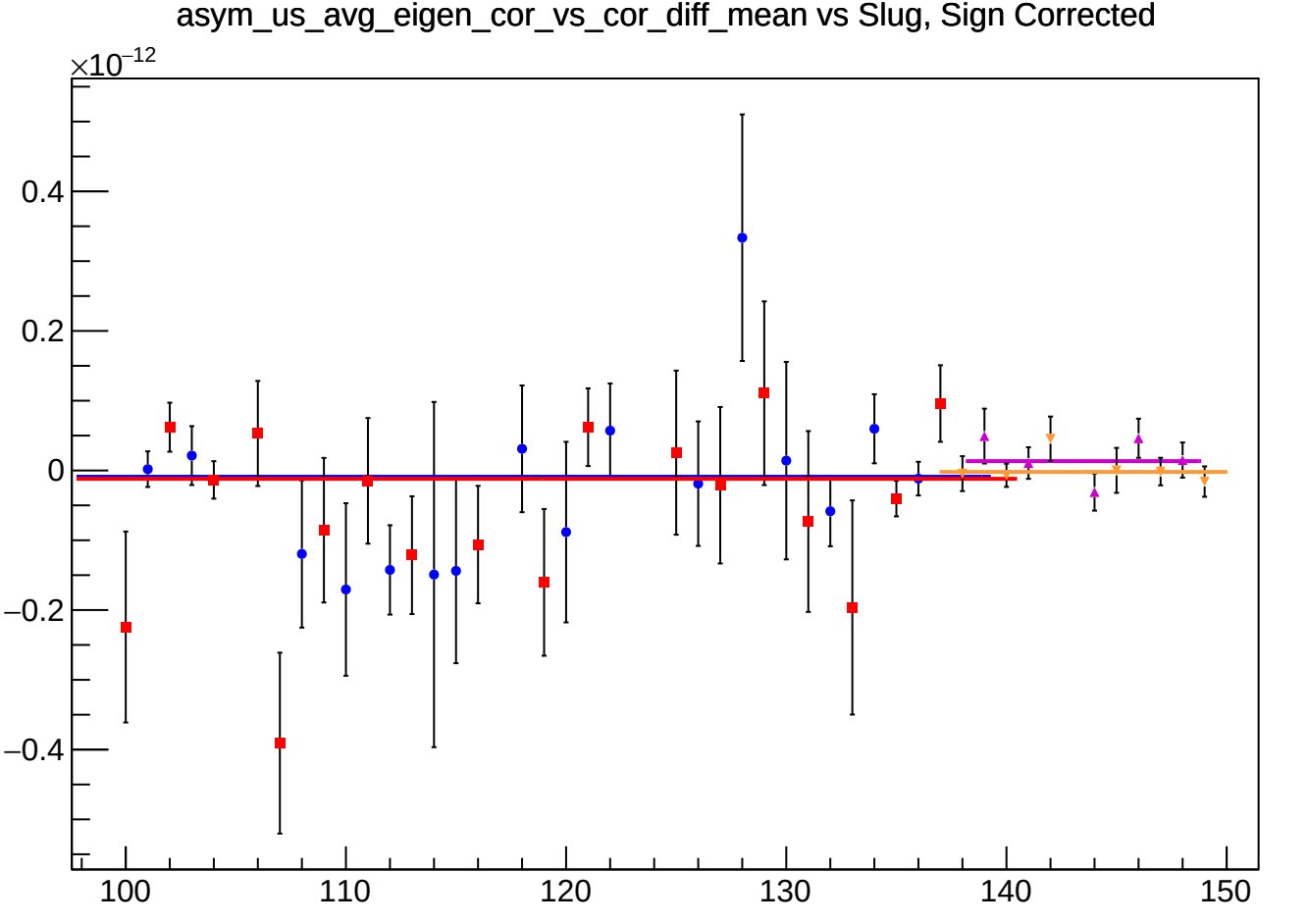
Left: 90.464+/-0.022 χ^2/NDF: 662456.9/10

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

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

Out: 85.521+/-0.018 χ^2/NDF:935809.7/23

All: 84.971+/-0.013 χ^2/NDF: 1790649.3/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/5

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

Left In: 0.000+/-0.000 χ^2/NDF:5.0/4

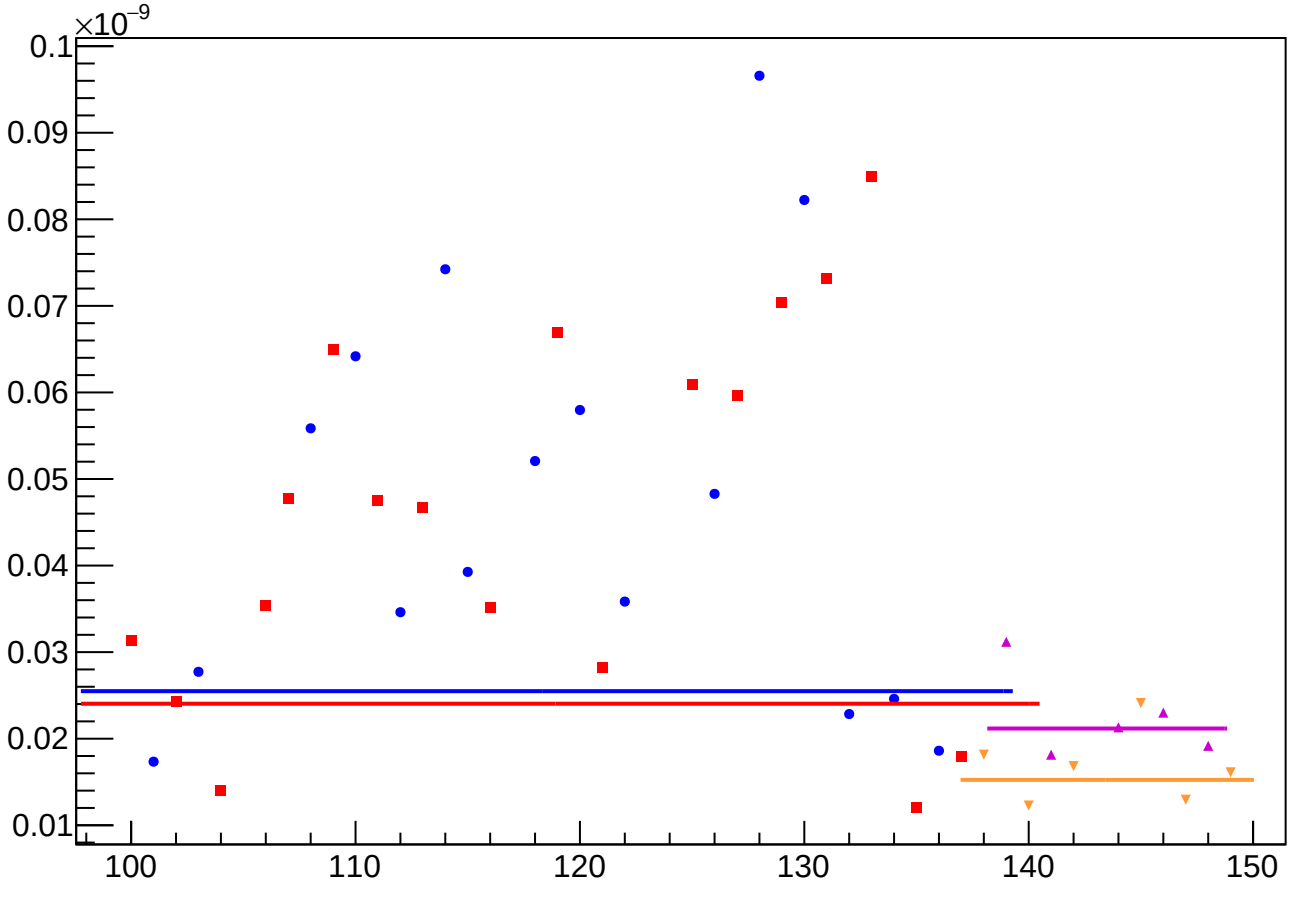
Left: 0.000+/-0.000 χ^2/NDF: 8.8/10

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:34.2/23

All: -0.000+/-0.000 χ^2/NDF: 58.7/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:277568.1/5

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

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

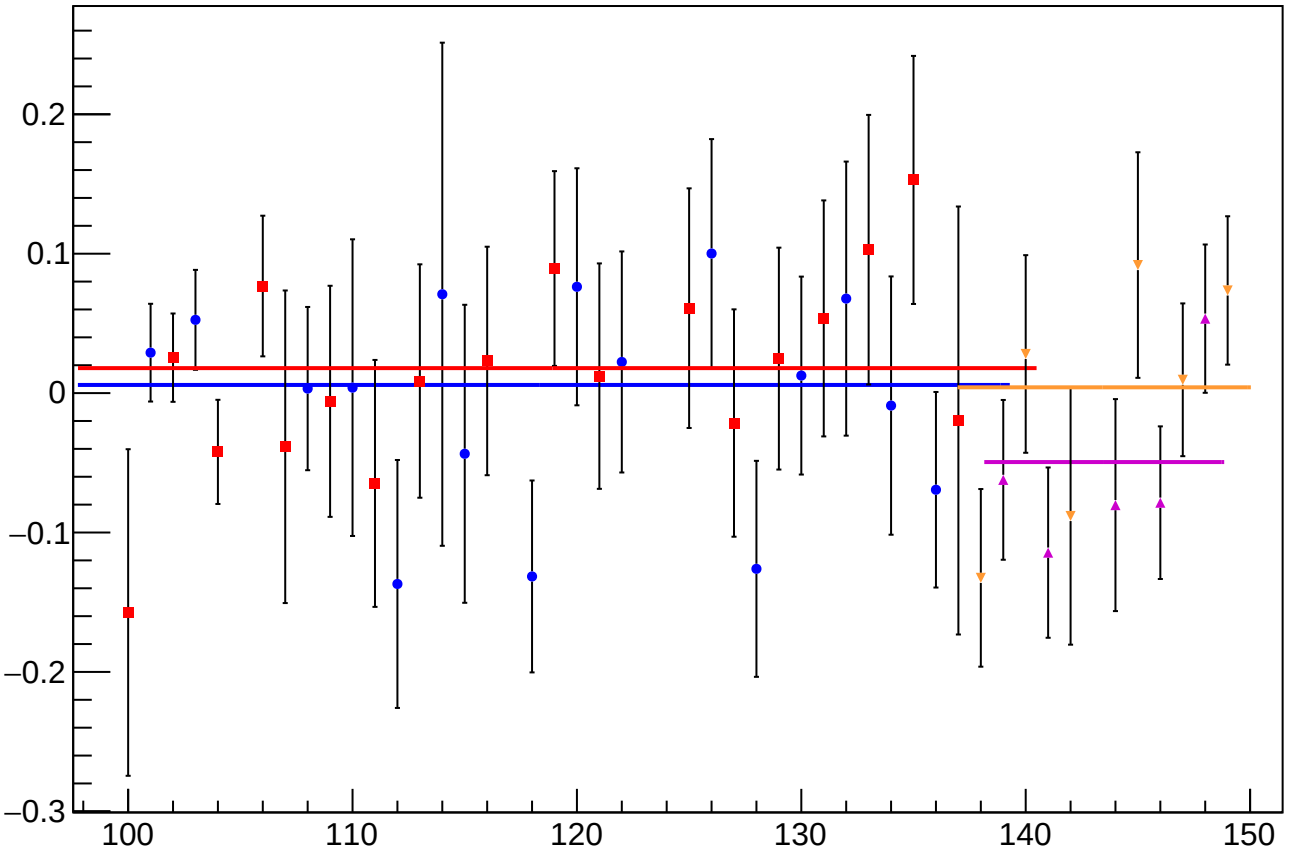
Left: 0.000+/-0.000 χ^2/NDF: 769881.6/10

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:3948153.8/23

All: 0.000+/-0.000 χ^2/NDF: 6626609.9/44



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

Left Out: 0.004+/-0.027 χ^2/NDF:8.6/5

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

Left In: -0.049+/-0.026 χ^2/NDF:5.4/4

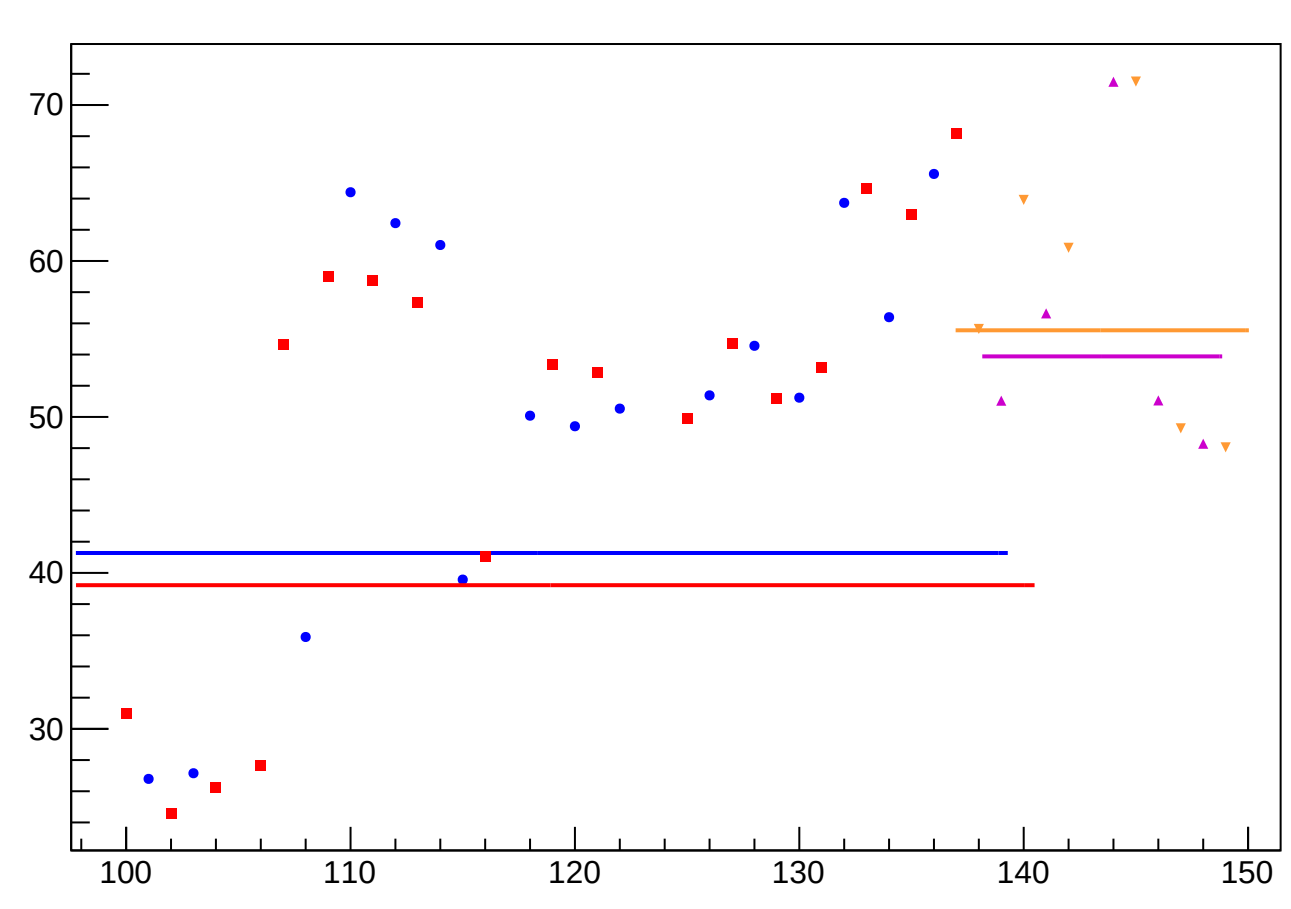
Left: -0.023+/-0.019 χ^2/NDF: 16.0/10

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.010+/-0.014 χ^2/NDF:24.1/20

Out: 0.014+/-0.014 χ^2/NDF:21.1/23

All: 0.003+/-0.010 χ^2/NDF: 46.7/44



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

Left Out: 55.555+/-0.019 χ^2/NDF:178217.5/5

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

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

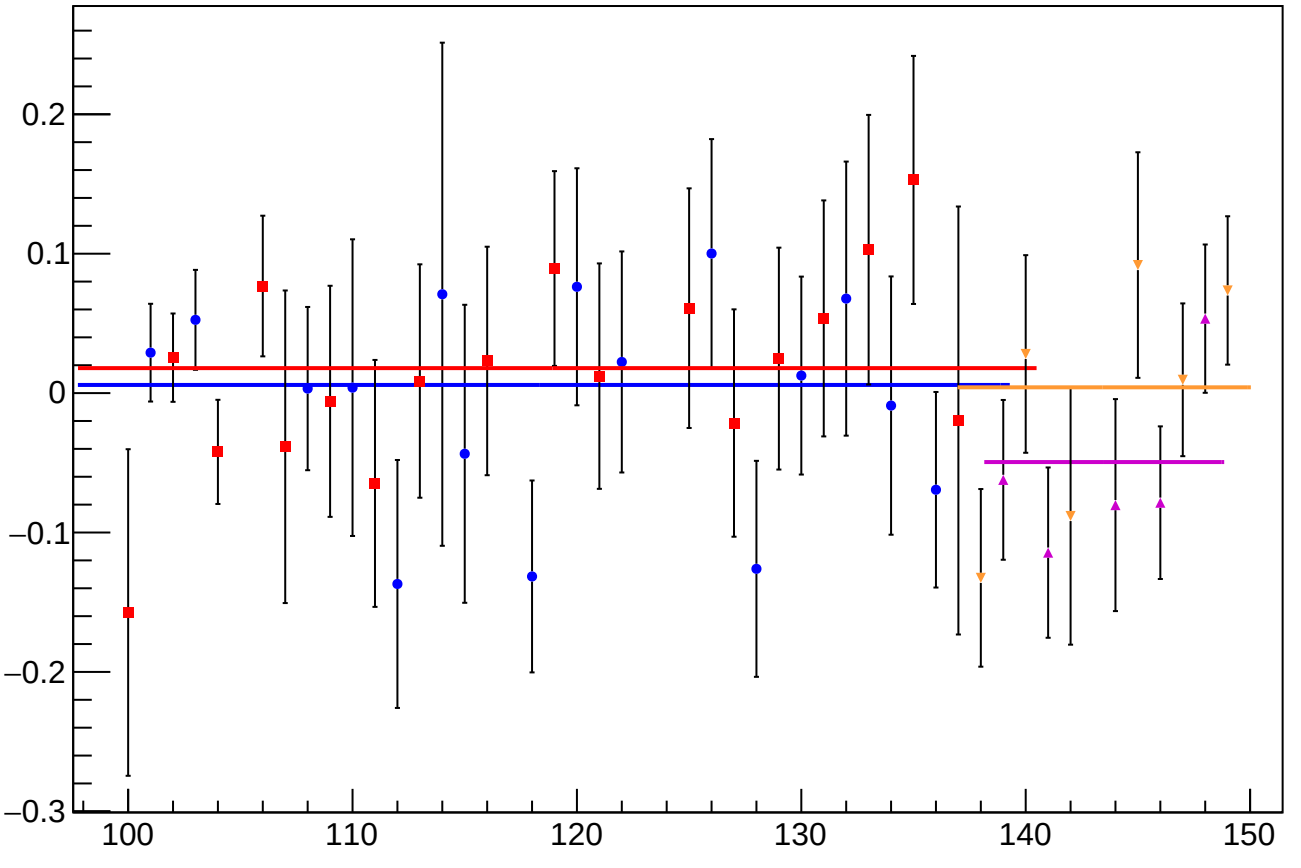
Left: 54.709+/-0.013 χ^2/NDF: 325942.2/10

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

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

Out: 43.422+/-0.010 χ^2/NDF:2554010.8/23

All: 44.099+/-0.007 χ^2/NDF: 4540561.9/44



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

Left Out: 0.004+/-0.027 χ^2/NDF:8.6/5

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: -0.023+/-0.019 χ^2/NDF: 16.0/10

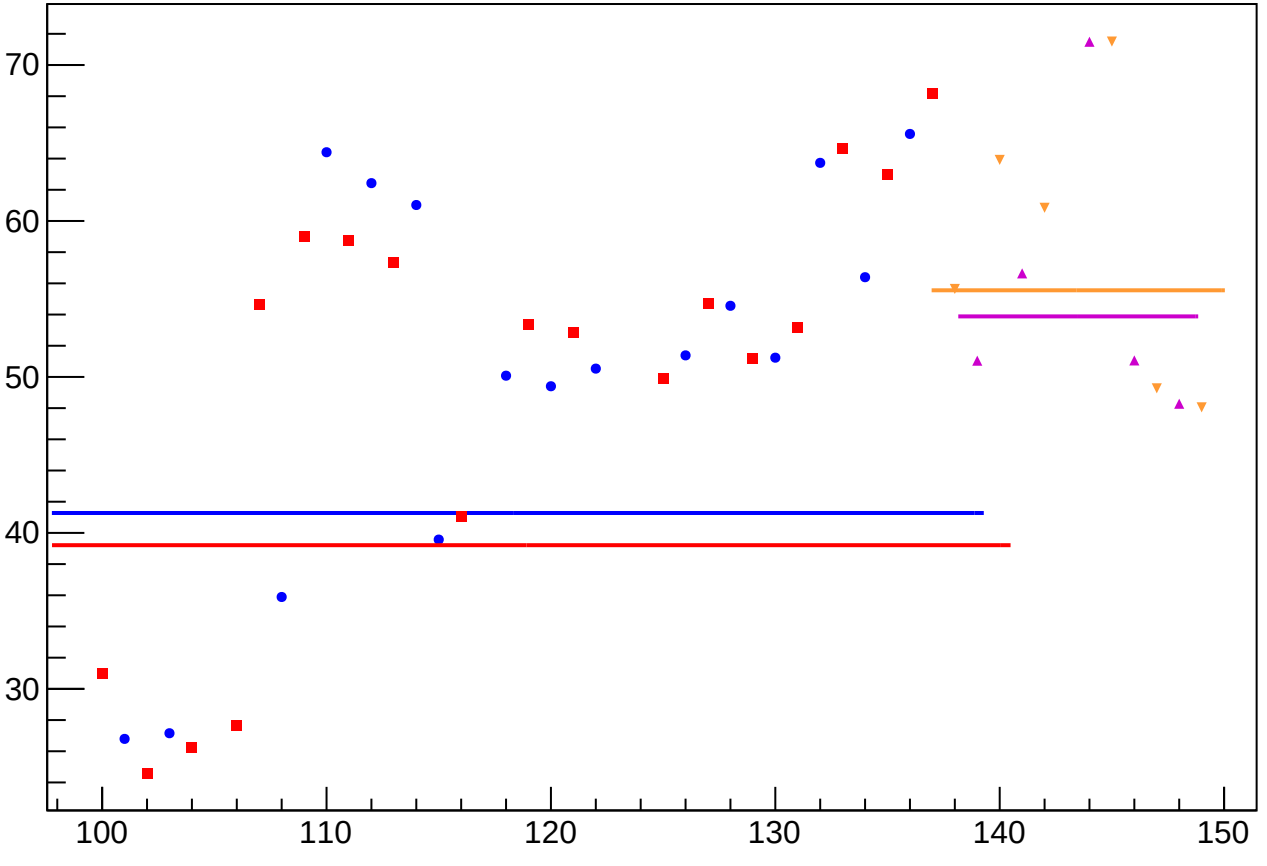
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.010+/-0.014 χ^2/NDF:24.1/20

Out: 0.014+/-0.014 χ^2/NDF:21.1/23

All: 0.003+/-0.010 χ^2/NDF: 46.7/44

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: 55.555+/-0.019 χ^2/NDF:178217.5/5

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: 54.709+/-0.013 χ^2/NDF: 325942.2/10

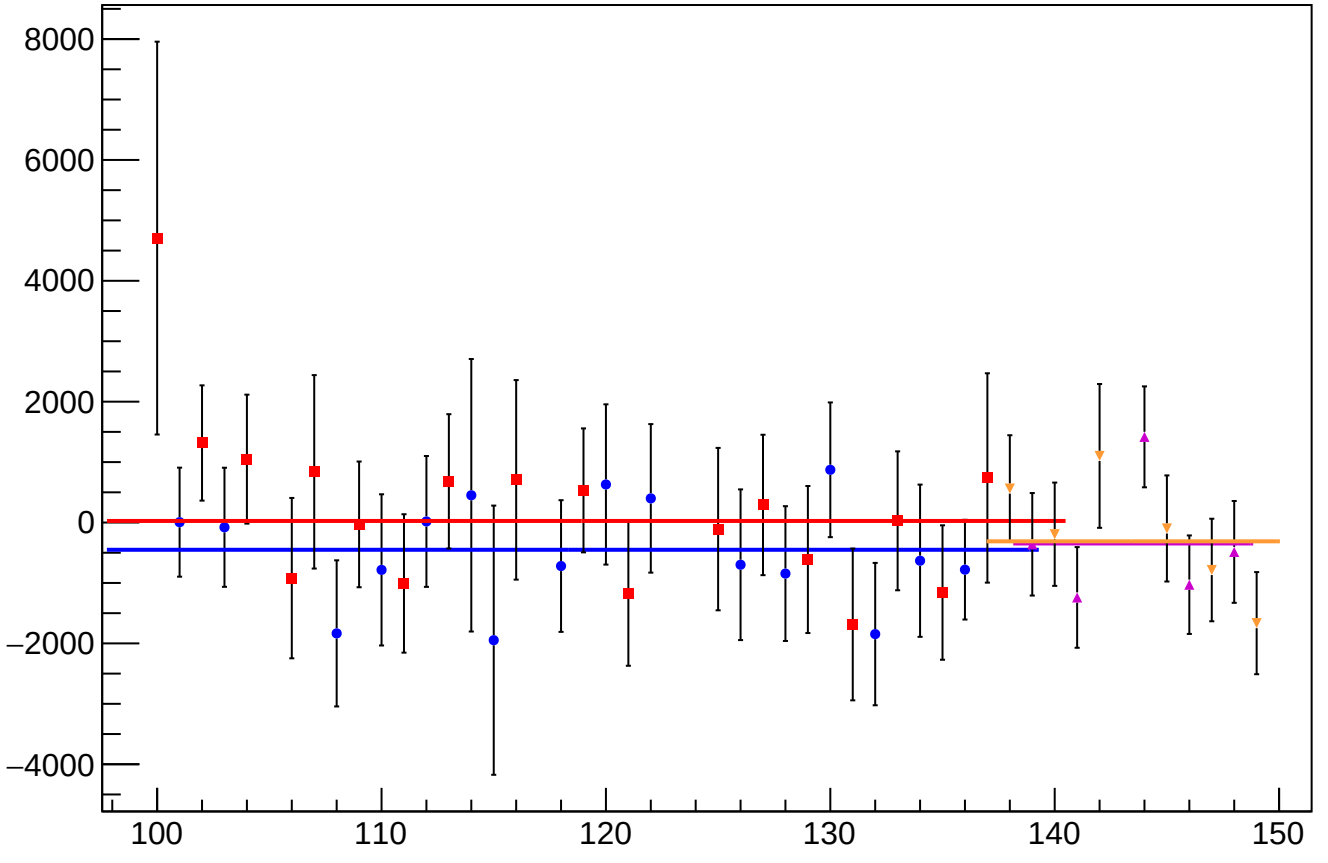
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 43.422+/-0.010 χ^2/NDF:2554010.8/23

All: 44.099+/-0.007 χ^2/NDF: 4540561.9/44

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -310.978+/-366.481 χ^2/NDF:5.3/5

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: -328.458+/-261.498 χ^2/NDF: 11.7/10

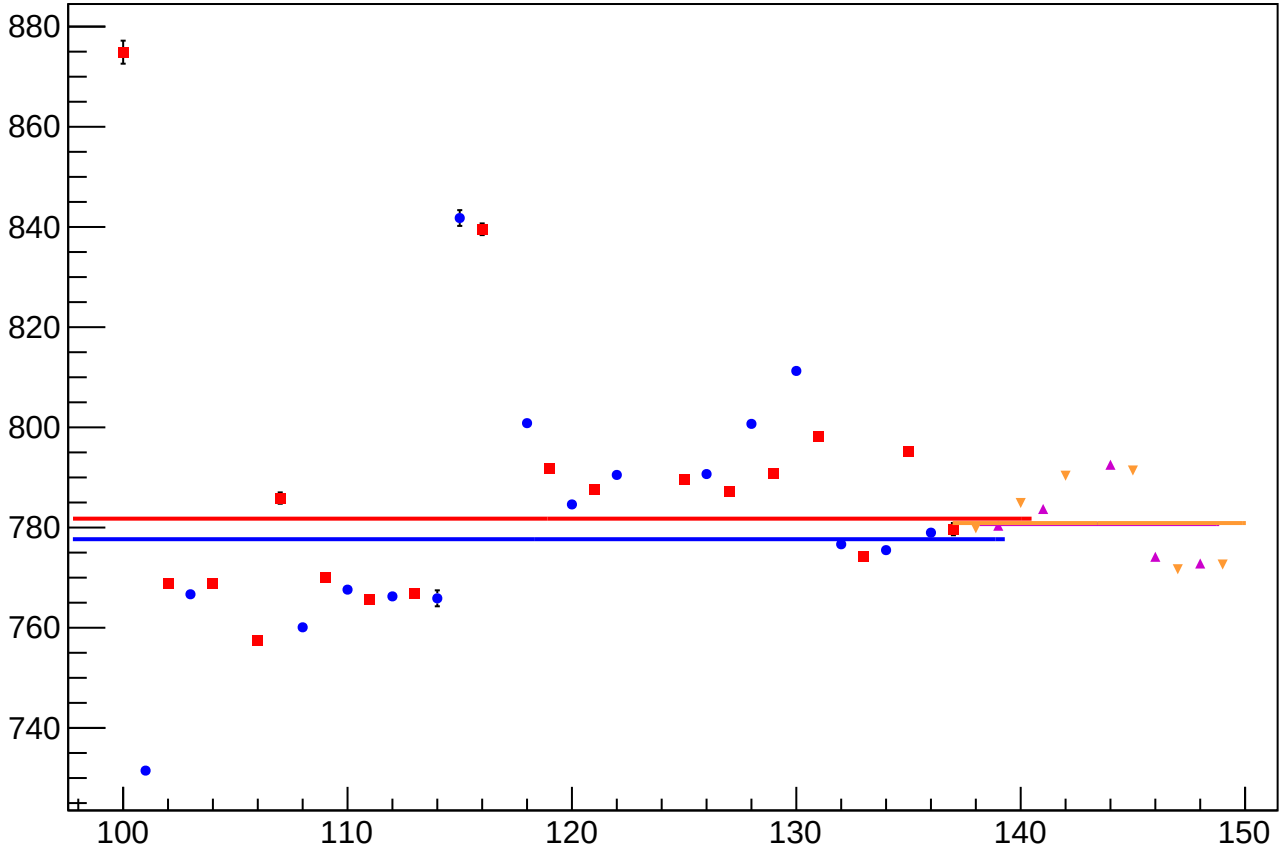
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -102.636+/-226.483 χ^2/NDF:17.6/23

All: -255.881+/-160.850 χ^2/NDF: 31.8/44

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 780.897+/-0.259 χ^2/NDF:886.7/5

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

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

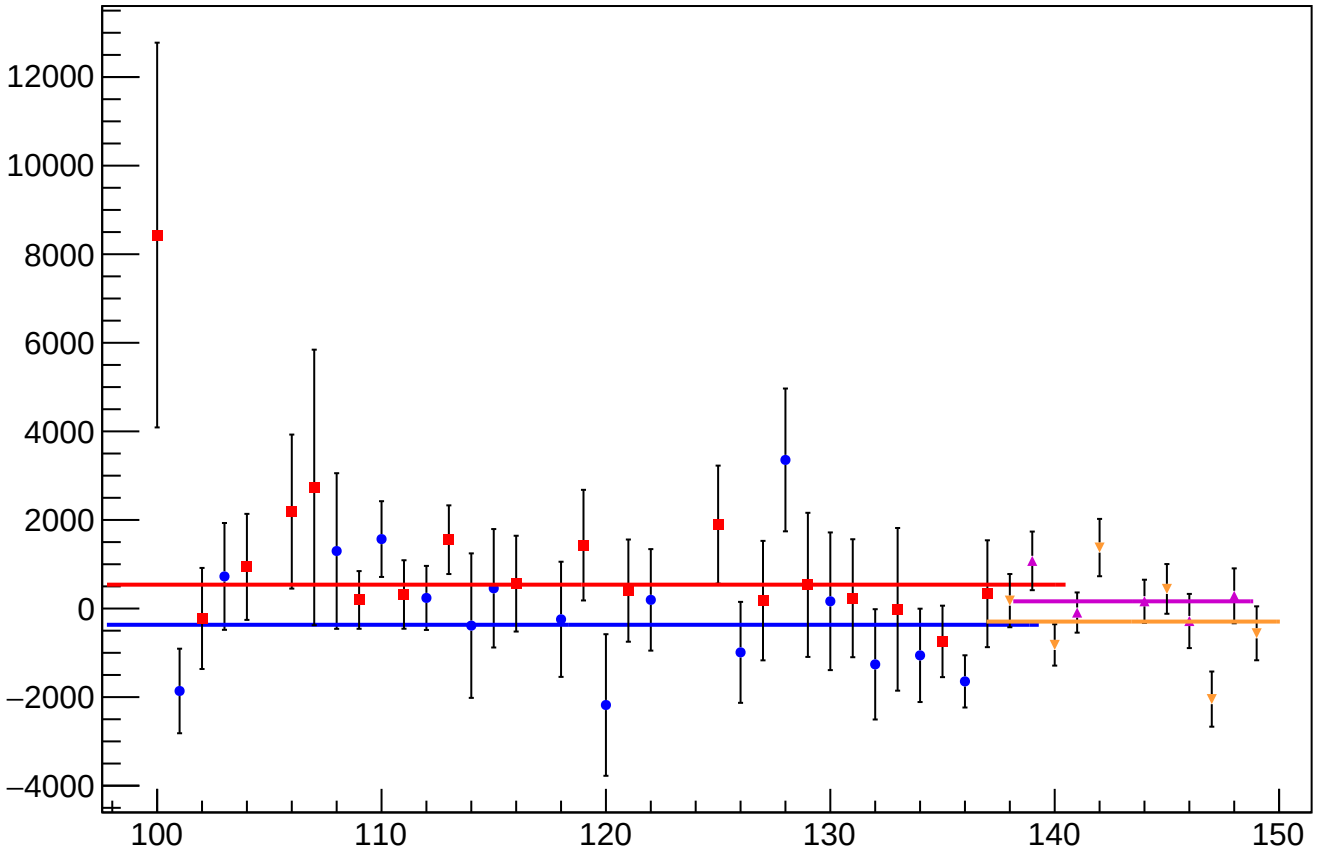
Left: 780.796+/-0.185 χ^2/NDF: 1618.2/10

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

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

Out: 781.441+/-0.160 χ^2/NDF:8520.1/23

All: 780.134+/-0.114 χ^2/NDF: 21522.7/44



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

Left Out: -294.503+/-234.483 χ^2/NDF:18.4/5

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

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

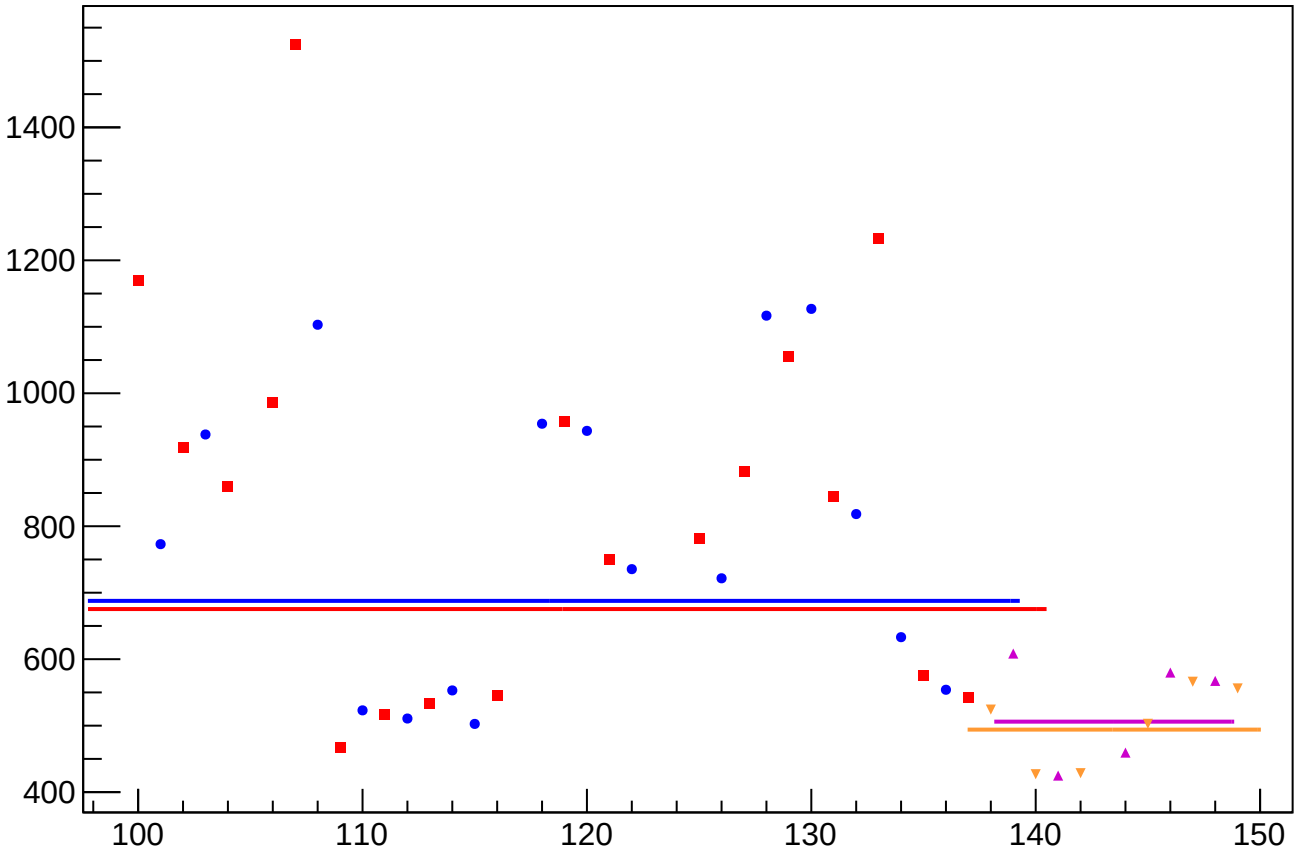
Left: -76.087+/-169.442 χ^2/NDF: 23.0/10

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

In: -79.919+/-180.475 χ^2/NDF:28.2/20

Out: 74.722+/-174.994 χ^2/NDF:35.6/23

All: -0.214+/-125.633 χ^2/NDF: 64.2/44



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

Left Out: 494.062+/-0.166 χ^2/NDF:114736.4/5

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: 499.784+/-0.120 χ^2/NDF: 296119.8/10

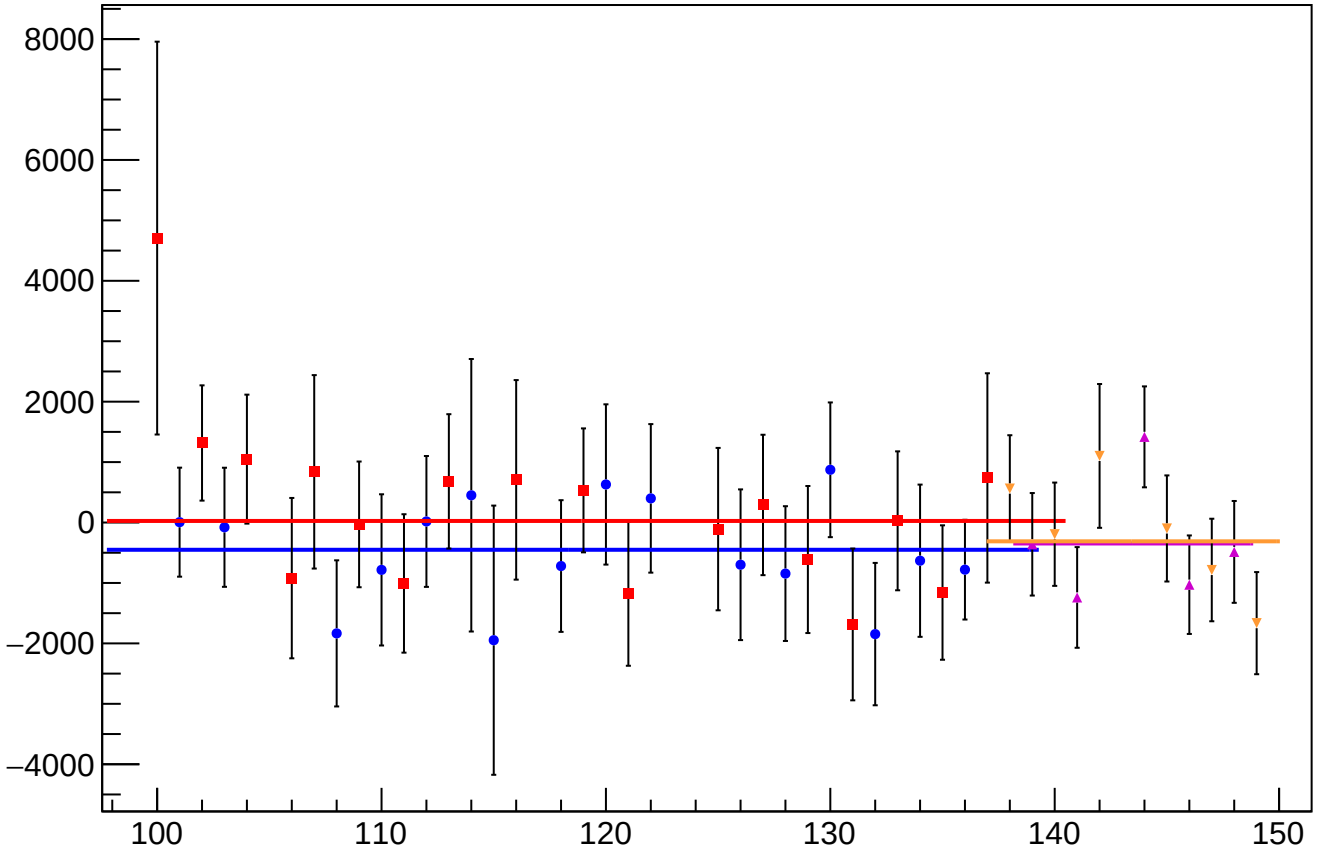
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 574.406+/-0.124 χ^2/NDF:1957739.7/23

All: 581.591+/-0.089 χ^2/NDF: 3678600.5/44

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -310.978+/-366.481 χ^2/NDF:5.3/5

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: -328.458+/-261.498 χ^2/NDF: 11.7/10

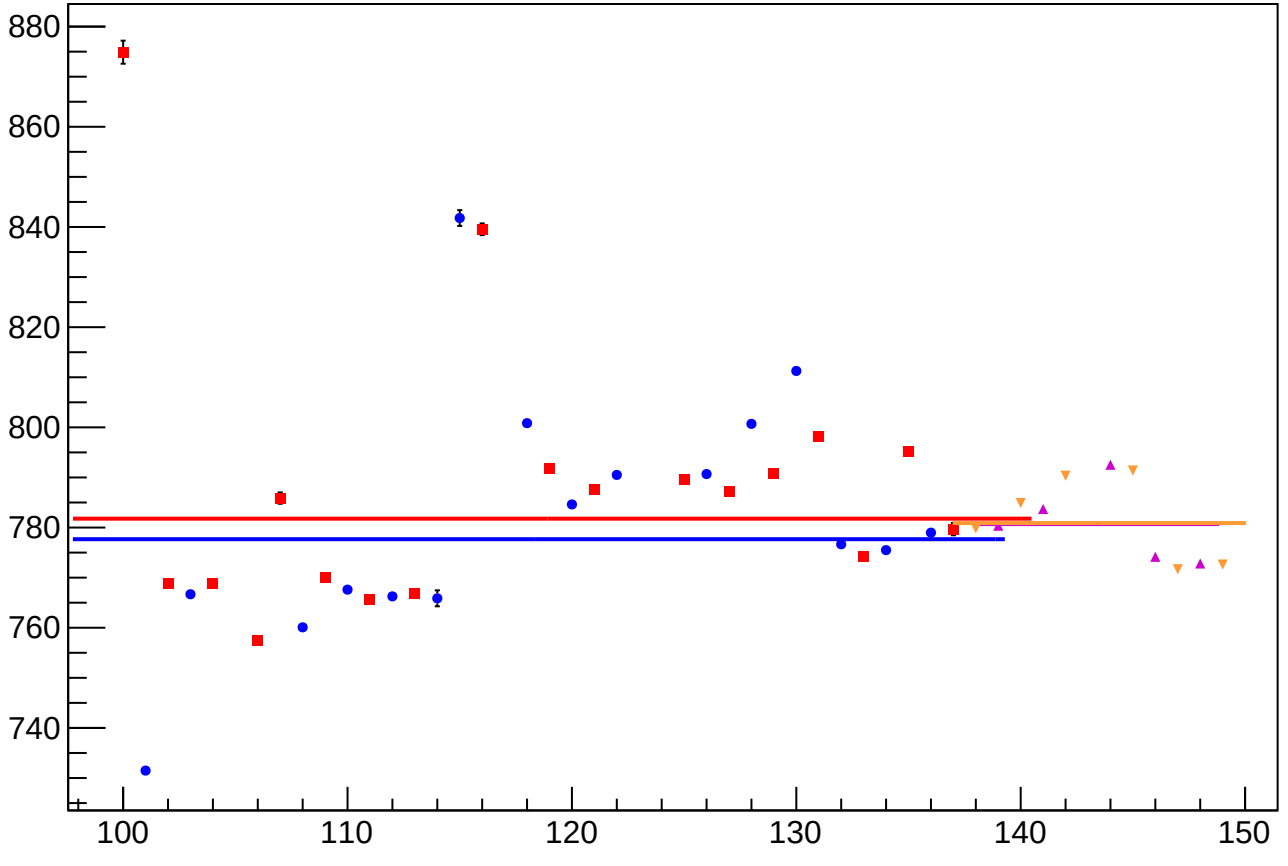
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -102.636+/-226.483 χ^2/NDF:17.6/23

All: -255.881+/-160.850 χ^2/NDF: 31.8/44

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 780.897+/-0.259 χ^2/NDF:886.7/5

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

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

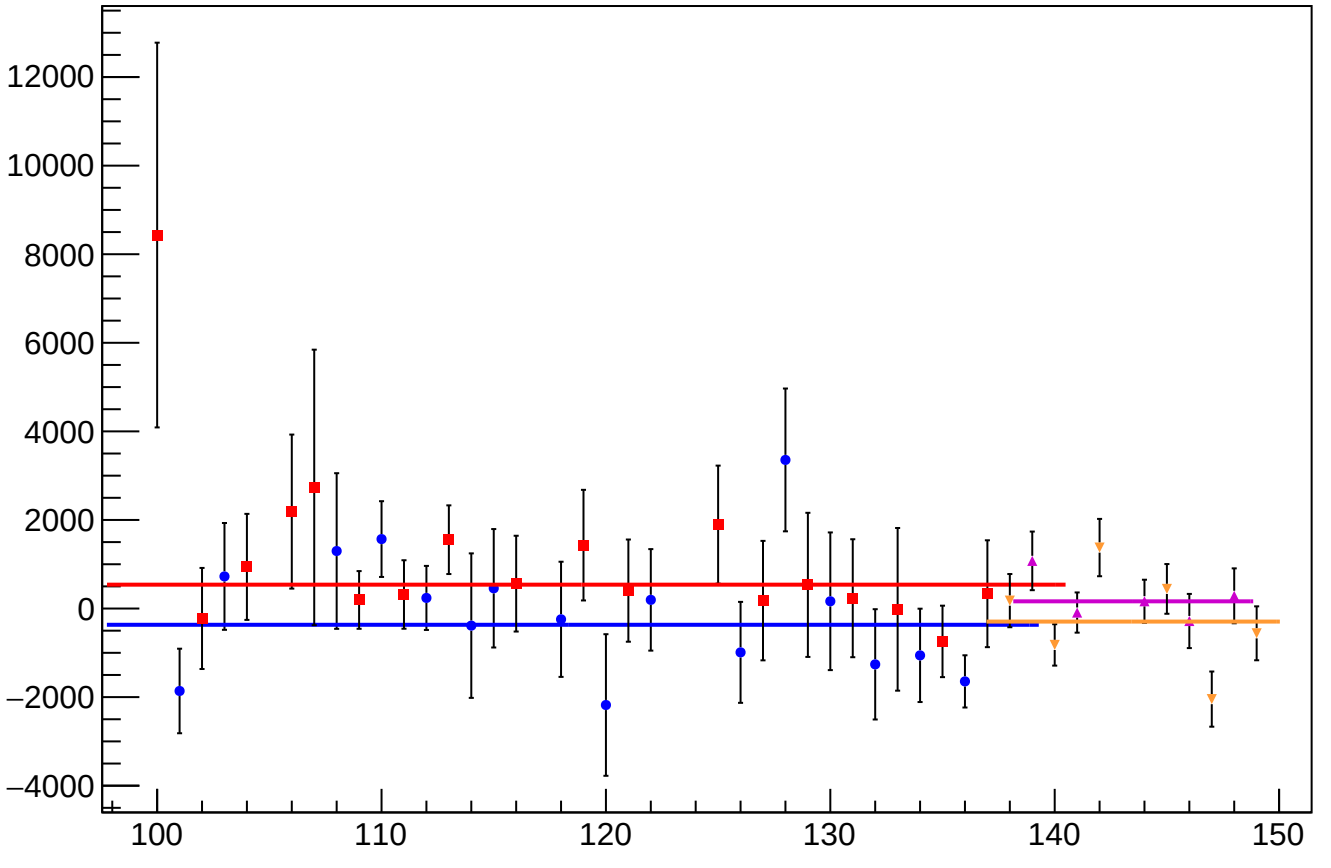
Left: 780.796+/-0.185 χ^2/NDF: 1618.2/10

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

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

Out: 781.441+/-0.160 χ^2/NDF:8520.1/23

All: 780.134+/-0.114 χ^2/NDF: 21522.7/44



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

Left Out: -294.503+/-234.483 χ^2/NDF:18.4/5

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

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

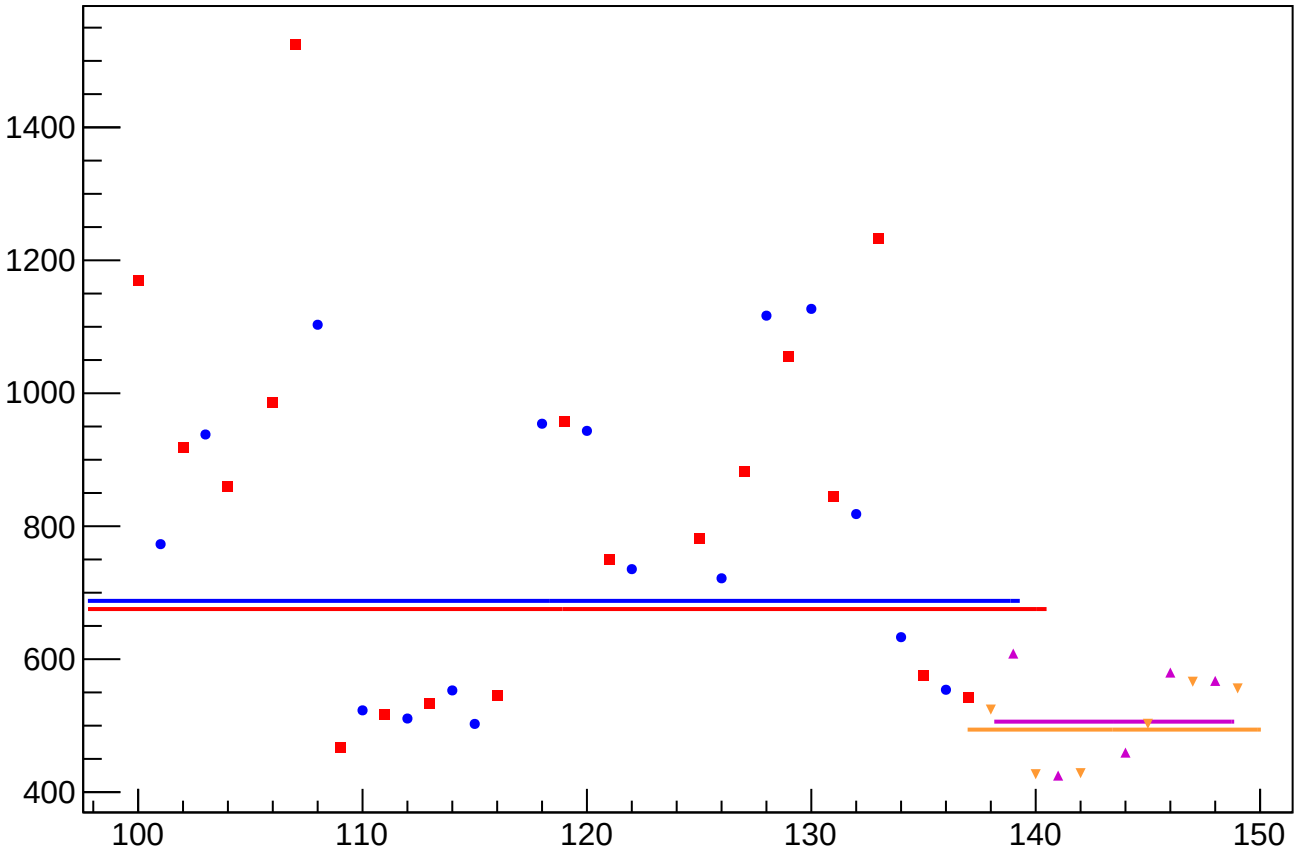
Left: -76.087+/-169.442 χ^2/NDF: 23.0/10

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

In: -79.919+/-180.475 χ^2/NDF:28.2/20

Out: 74.722+/-174.994 χ^2/NDF:35.6/23

All: -0.214+/-125.633 χ^2/NDF: 64.2/44



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

Left Out: 494.062+/-0.166 χ^2/NDF:114736.4/5

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

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

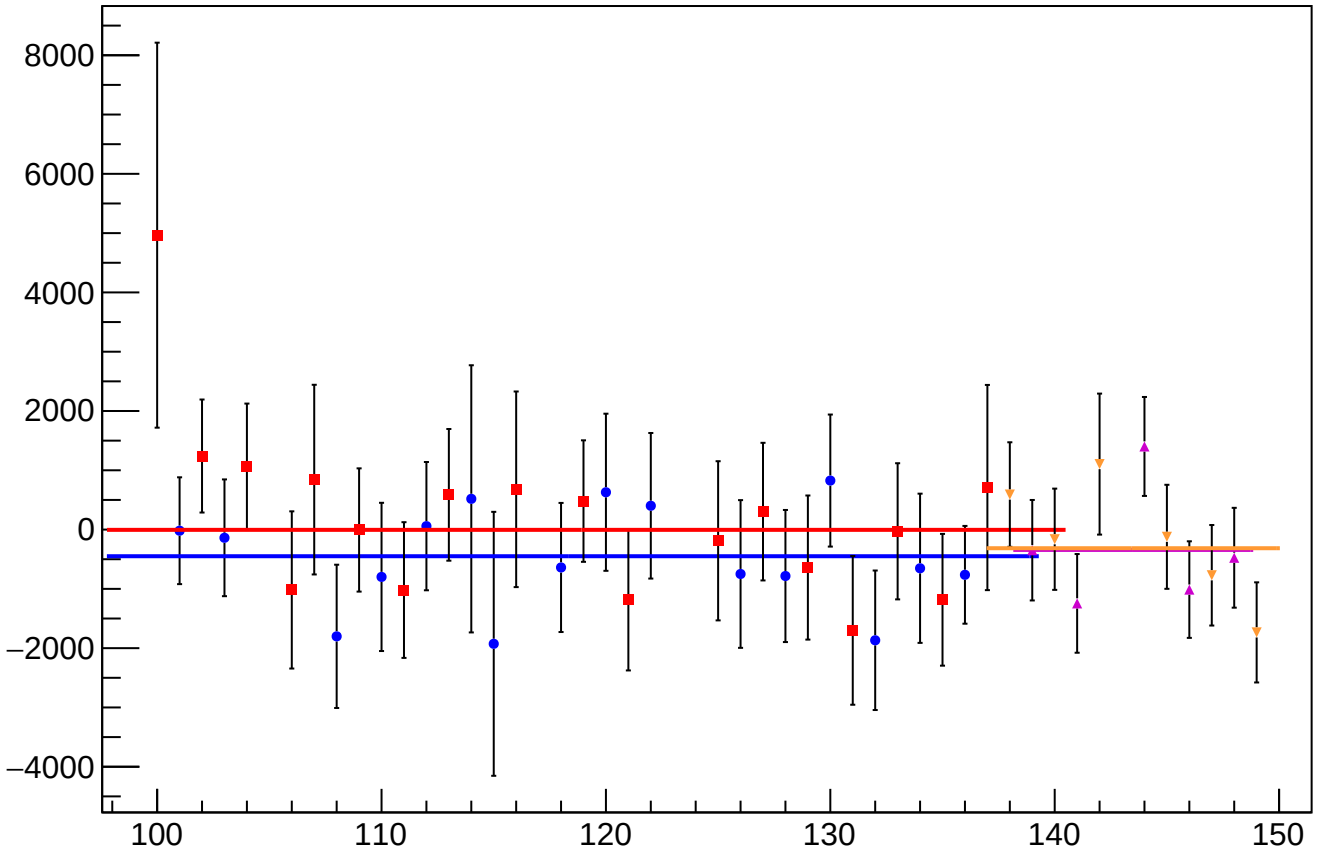
Left: 499.784+/-0.120 χ^2/NDF: 296119.8/10

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

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

Out: 574.406+/-0.124 χ^2/NDF:1957739.7/23

All: 581.591+/-0.089 χ^2/NDF: 3678600.5/44



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

Left Out: -314.510+/-366.155 χ^2/NDF:5.7/5

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

Left In: -342.874+/-372.939 χ^2/NDF:6.2/4

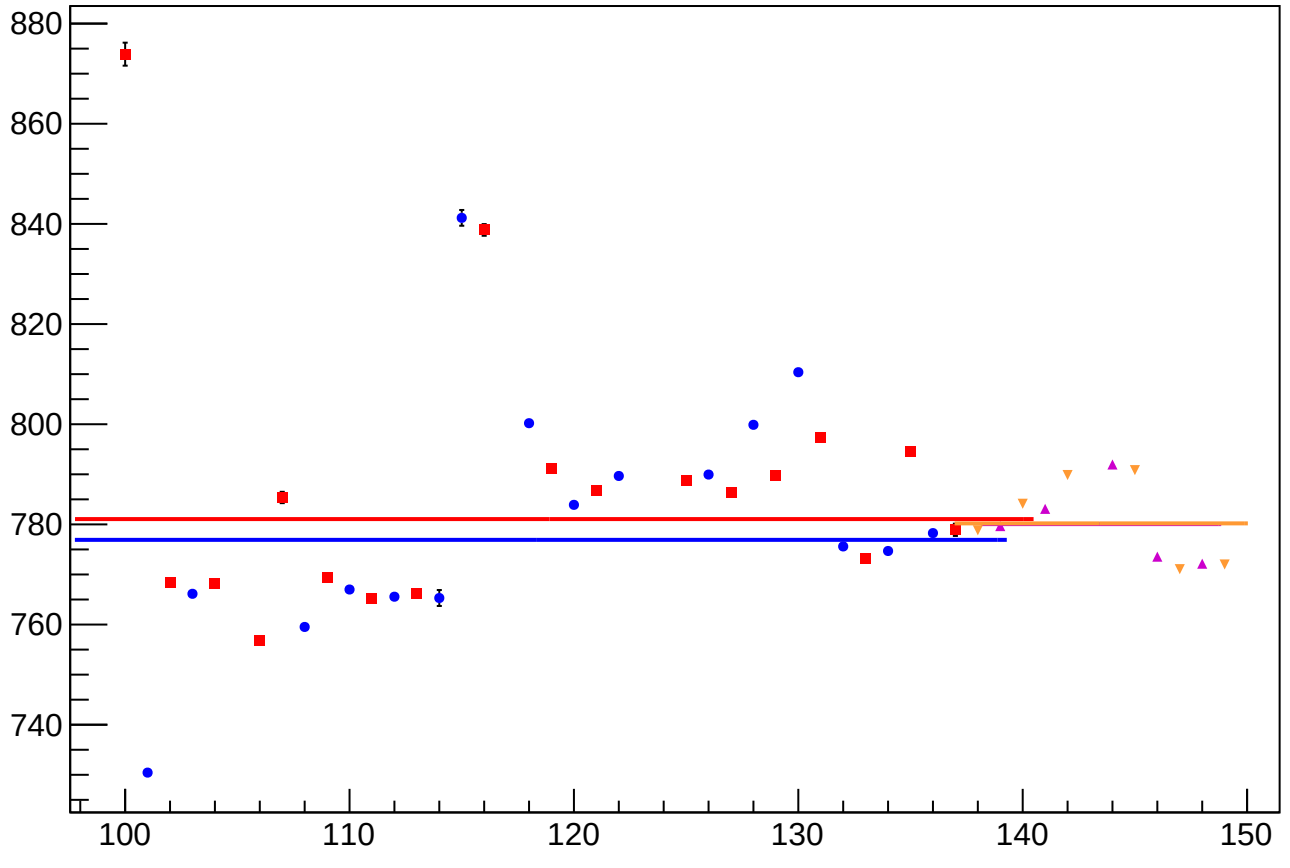
Left: -328.431+/-261.276 χ^2/NDF: 11.9/10

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

In: -409.508+/-228.274 χ^2/NDF:13.1/20

Out: -122.984+/-226.278 χ^2/NDF:18.0/23

All: -264.987+/-160.704 χ^2/NDF: 31.8/44



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

Left Out: 780.202+/-0.259 χ^2/NDF:894.1/5

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: 780.131+/-0.185 χ^2/NDF: 1632.0/10

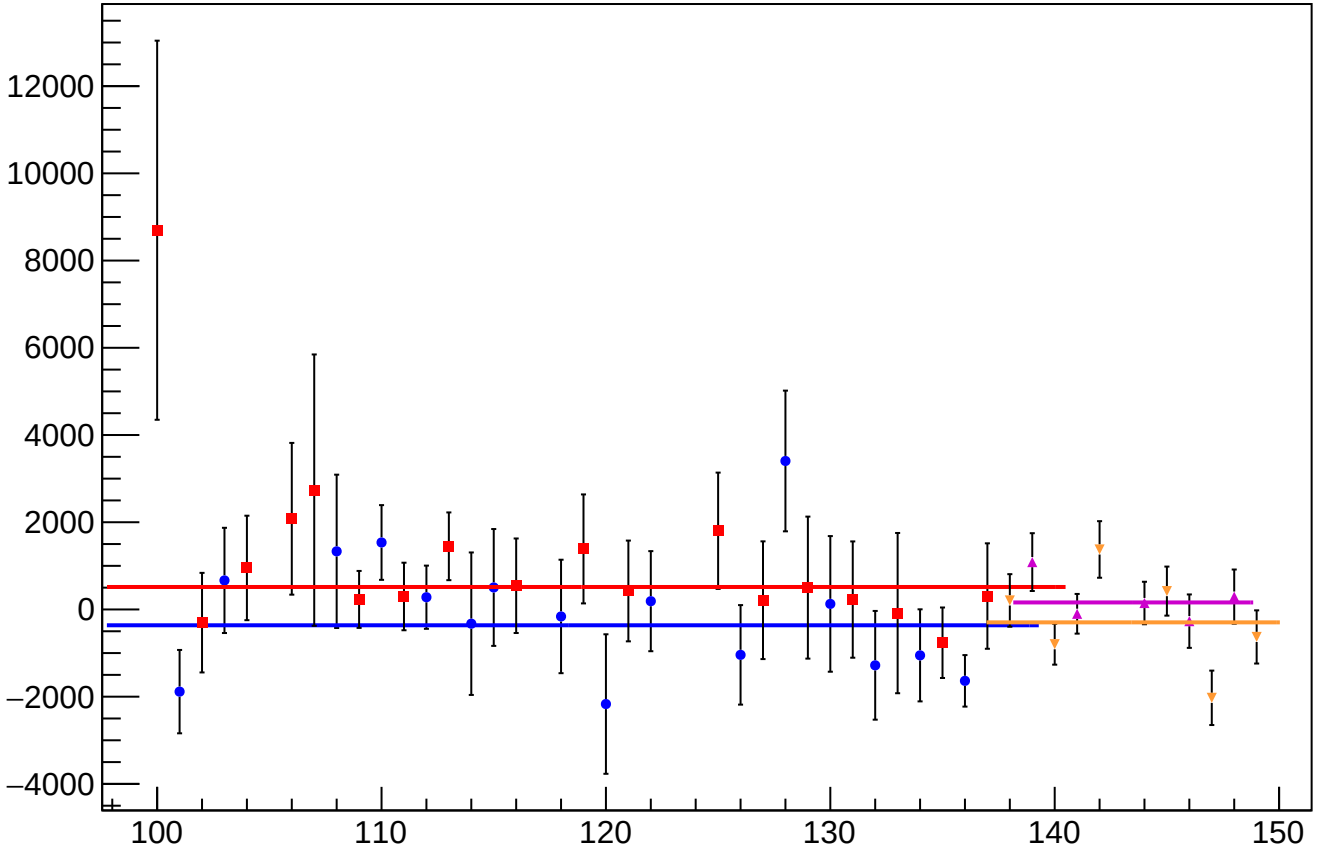
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

Out: 780.733+/-0.160 χ^2/NDF:8486.7/23

All: 779.424+/-0.114 χ^2/NDF: 21572.0/44

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -295.942+/-235.035 χ^2/NDF:18.1/5

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

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

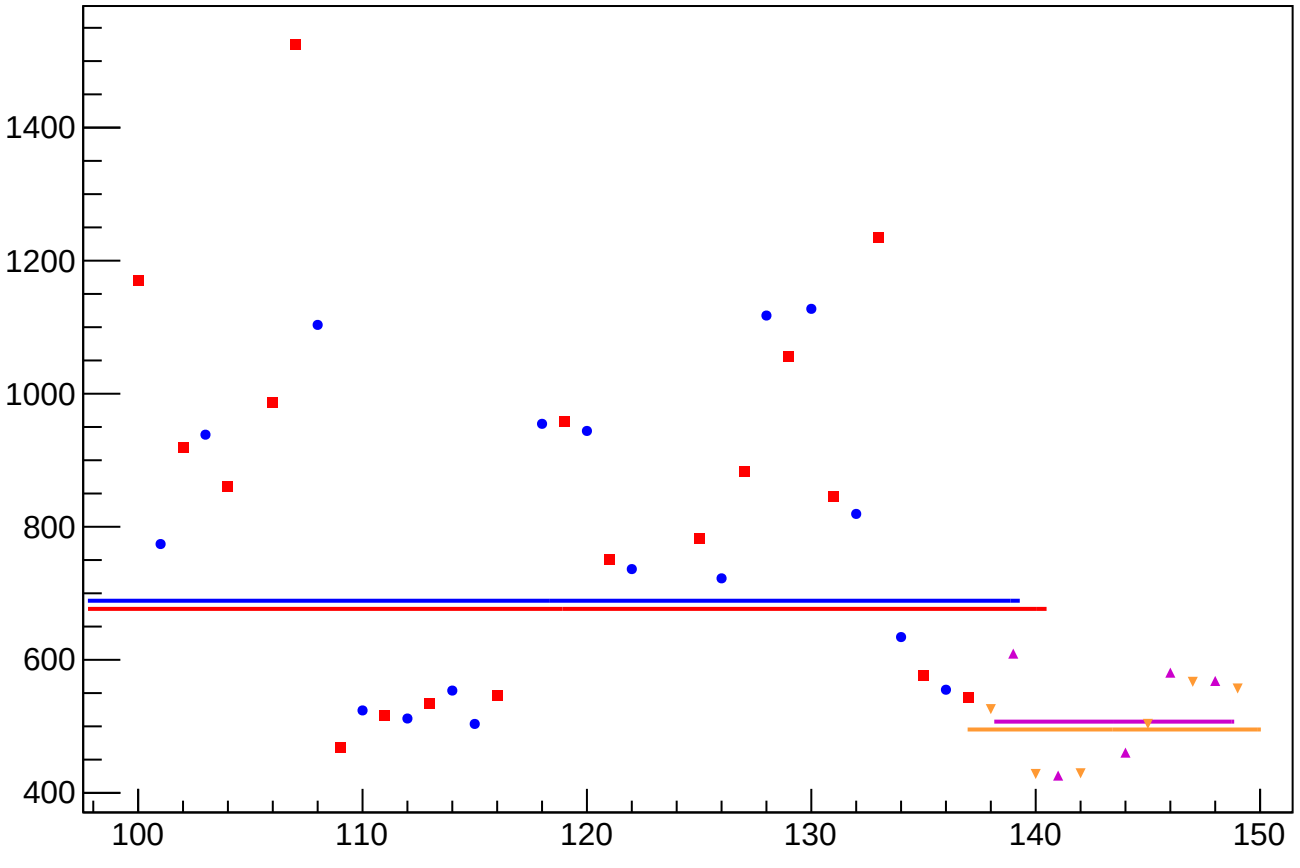
Left: -77.621+/-169.812 χ^2/NDF: 22.7/10

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

In: -79.117+/-180.791 χ^2/NDF:28.3/20

Out: 63.808+/-175.340 χ^2/NDF:34.8/23

All: -5.467+/-125.867 χ^2/NDF: 63.4/44



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

Left Out: 495.276+/-0.166 χ^2/NDF:113699.2/5

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

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

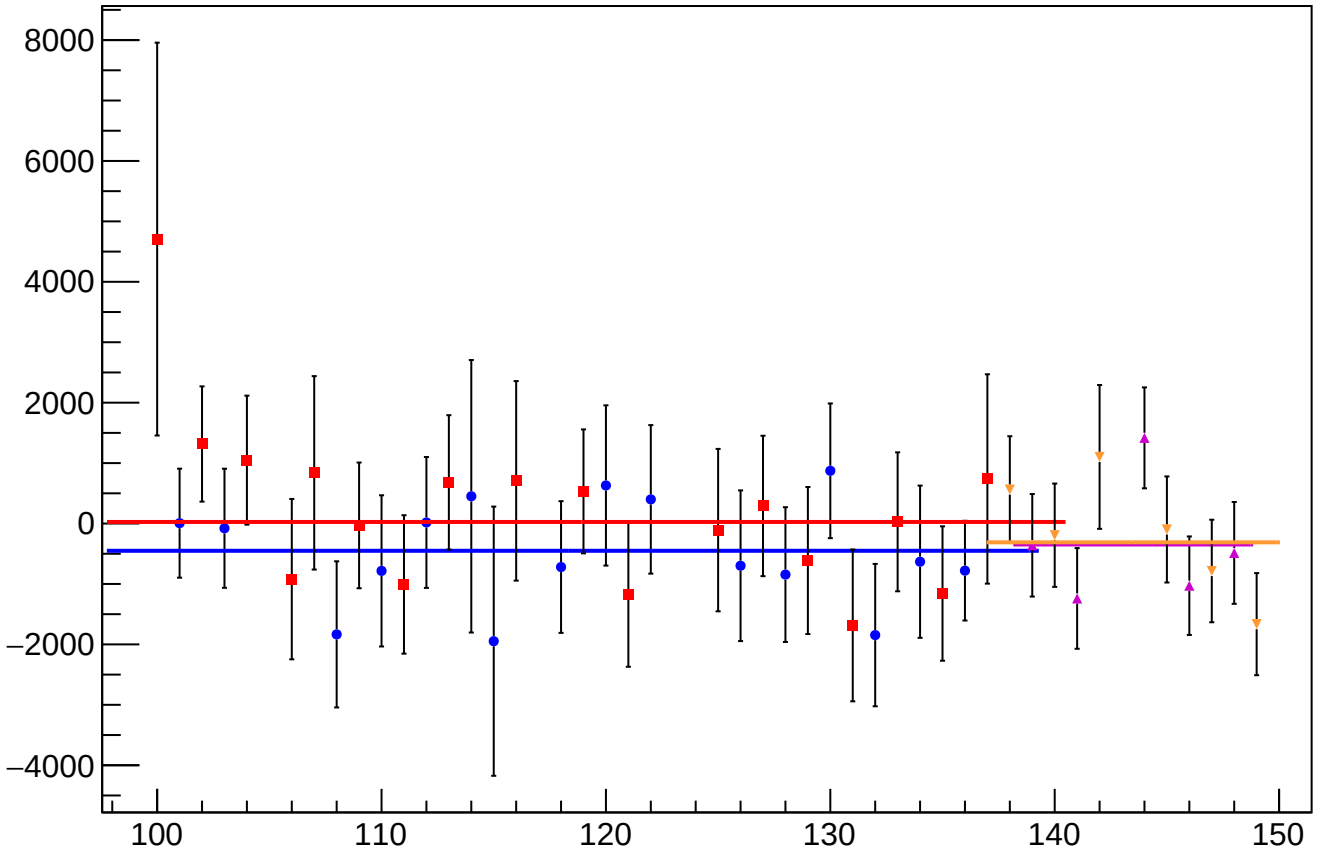
Left: 500.925+/-0.120 χ^2/NDF: 293850.5/10

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

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

Out: 575.673+/-0.124 χ^2/NDF:1949447.0/23

All: 582.794+/-0.089 χ^2/NDF: 3663804.8/44



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

Left Out: -310.978+/-366.481 χ^2/NDF:5.3/5

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

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

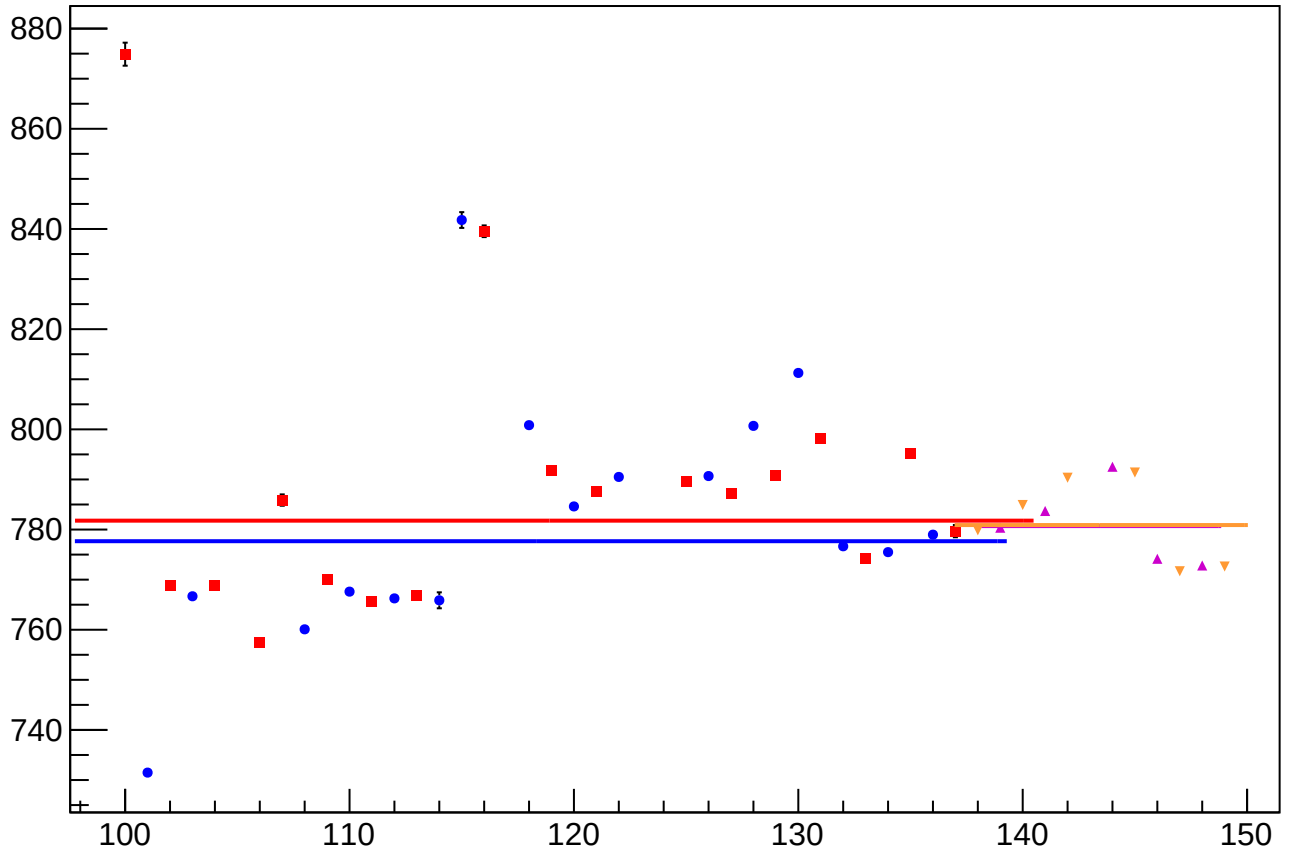
Left: -328.458+/-261.498 χ^2/NDF: 11.7/10

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

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

Out: -102.636+/-226.483 χ^2/NDF:17.6/23

All: -255.881+/-160.850 χ^2/NDF: 31.8/44



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

Left Out: 780.897+/-0.259 χ^2/NDF:886.7/5

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: 780.796+/-0.185 χ^2/NDF: 1618.2/10

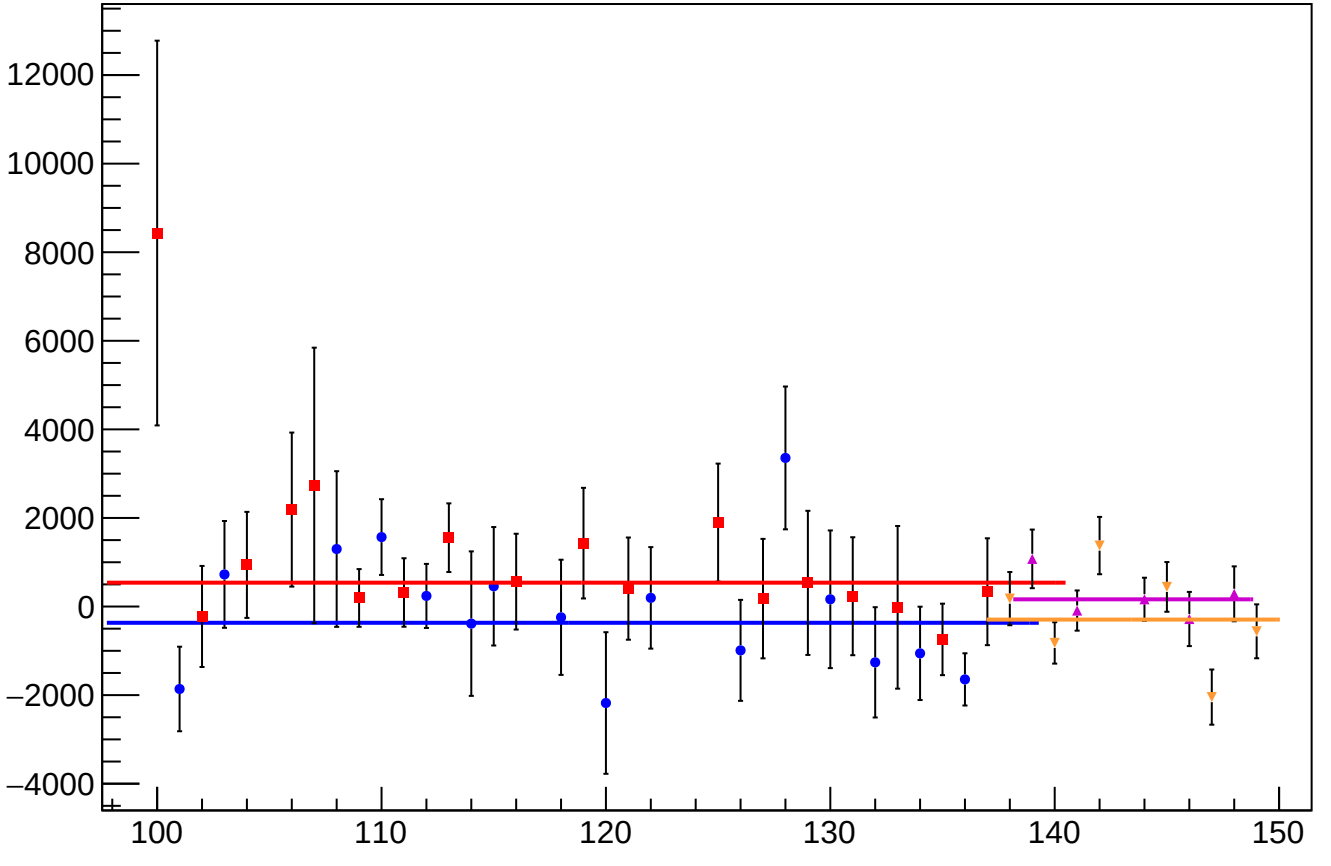
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

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

Out: 781.441+/-0.160 χ^2/NDF:8520.1/23

All: 780.134+/-0.114 χ^2/NDF: 21522.7/44

asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -294.503+/-234.483 χ^2/NDF:18.4/5

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

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

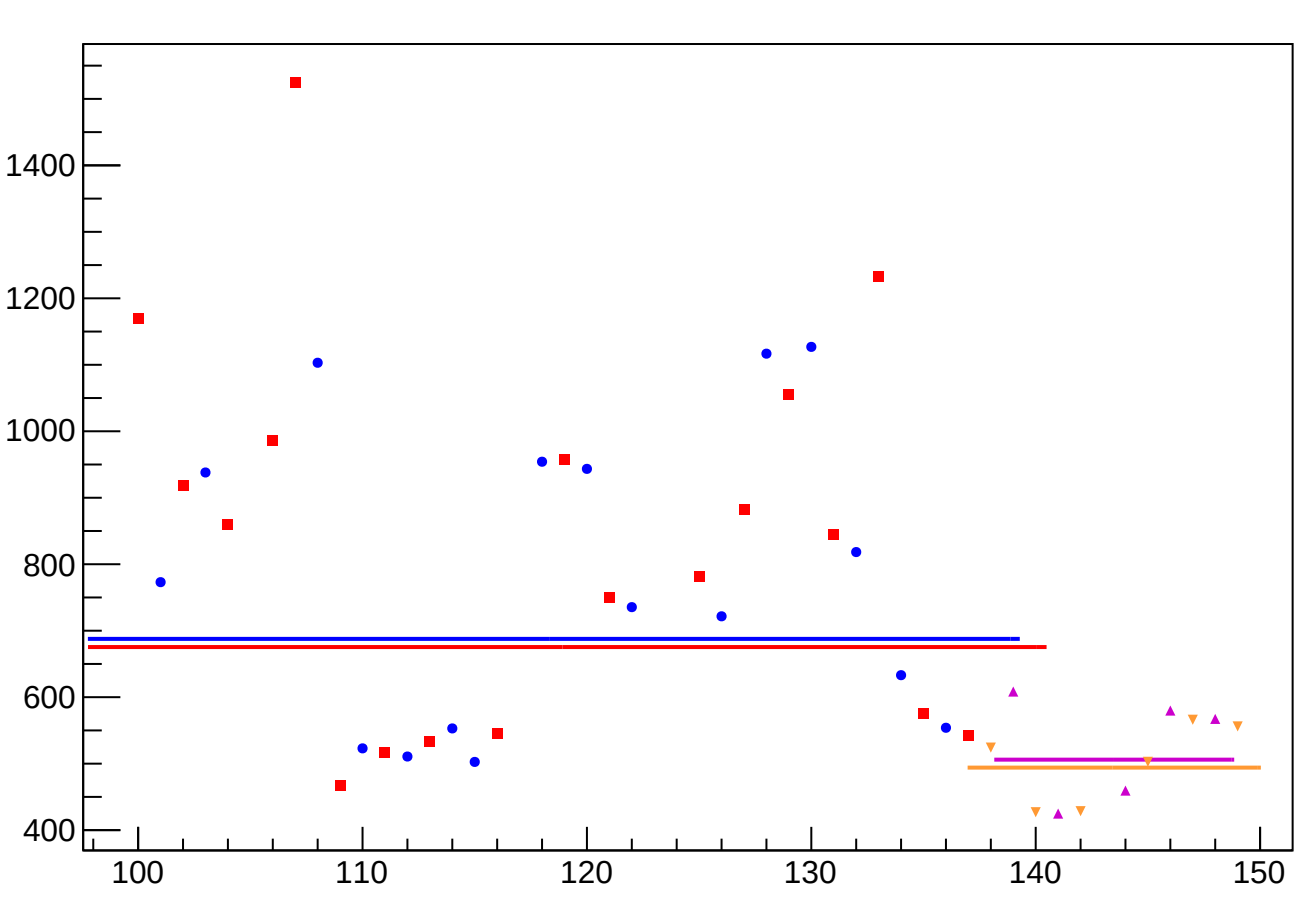
Left: -76.087+/-169.442 χ^2/NDF: 23.0/10

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

In: -79.919+/-180.475 χ^2/NDF:28.2/20

Out: 74.722+/-174.994 χ^2/NDF:35.6/23

All: -0.214+/-125.633 χ^2/NDF: 64.2/44



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

Left Out: 494.062+/-0.166 χ^2/NDF:114736.4/5

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: 499.784+/-0.120 χ^2/NDF: 296119.8/10

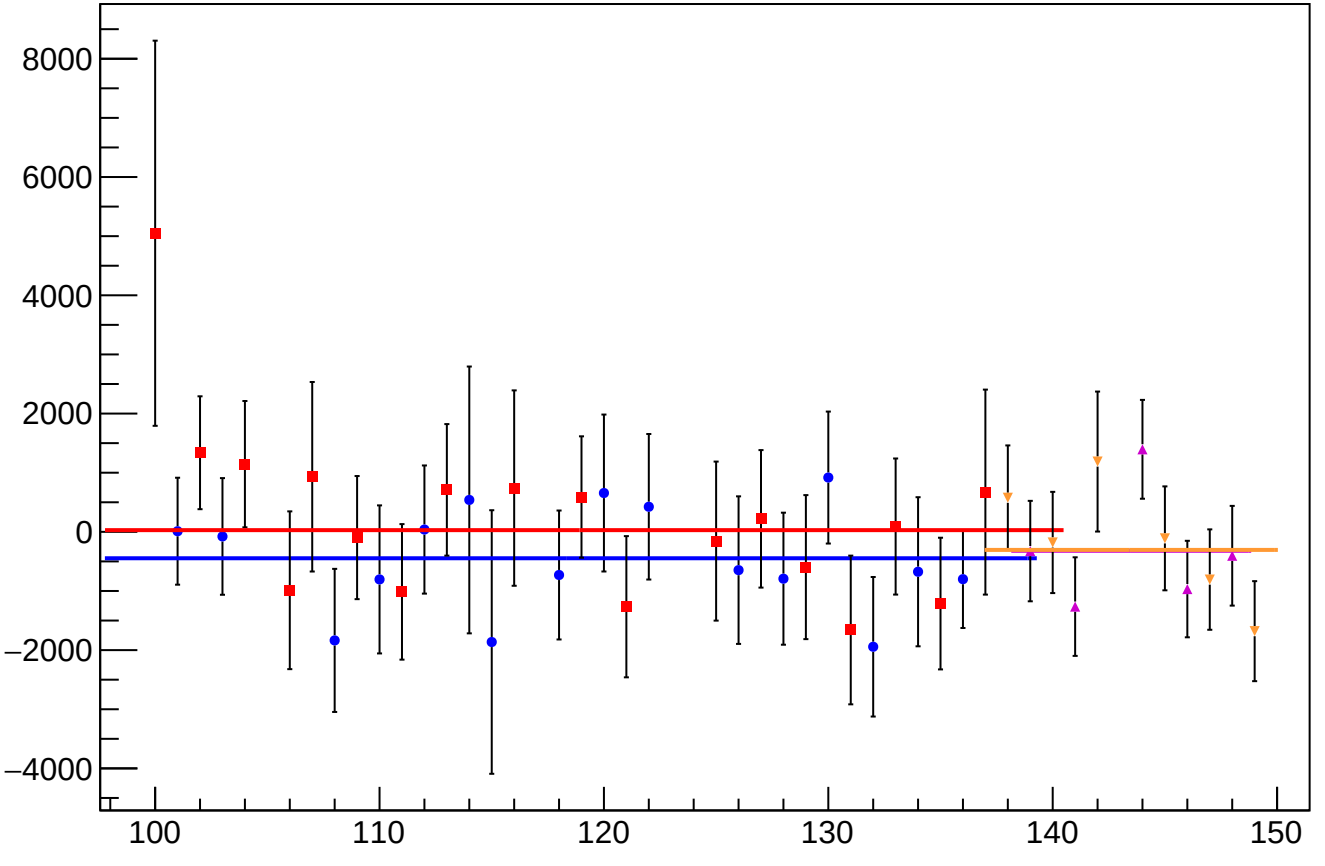
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 574.406+/-0.124 χ^2/NDF:1957739.7/23

All: 581.591+/-0.089 χ^2/NDF: 3678600.5/44

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -305.477+/-366.693 χ^2/NDF:5.6/5

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: -312.649+/-261.686 χ^2/NDF: 11.8/10

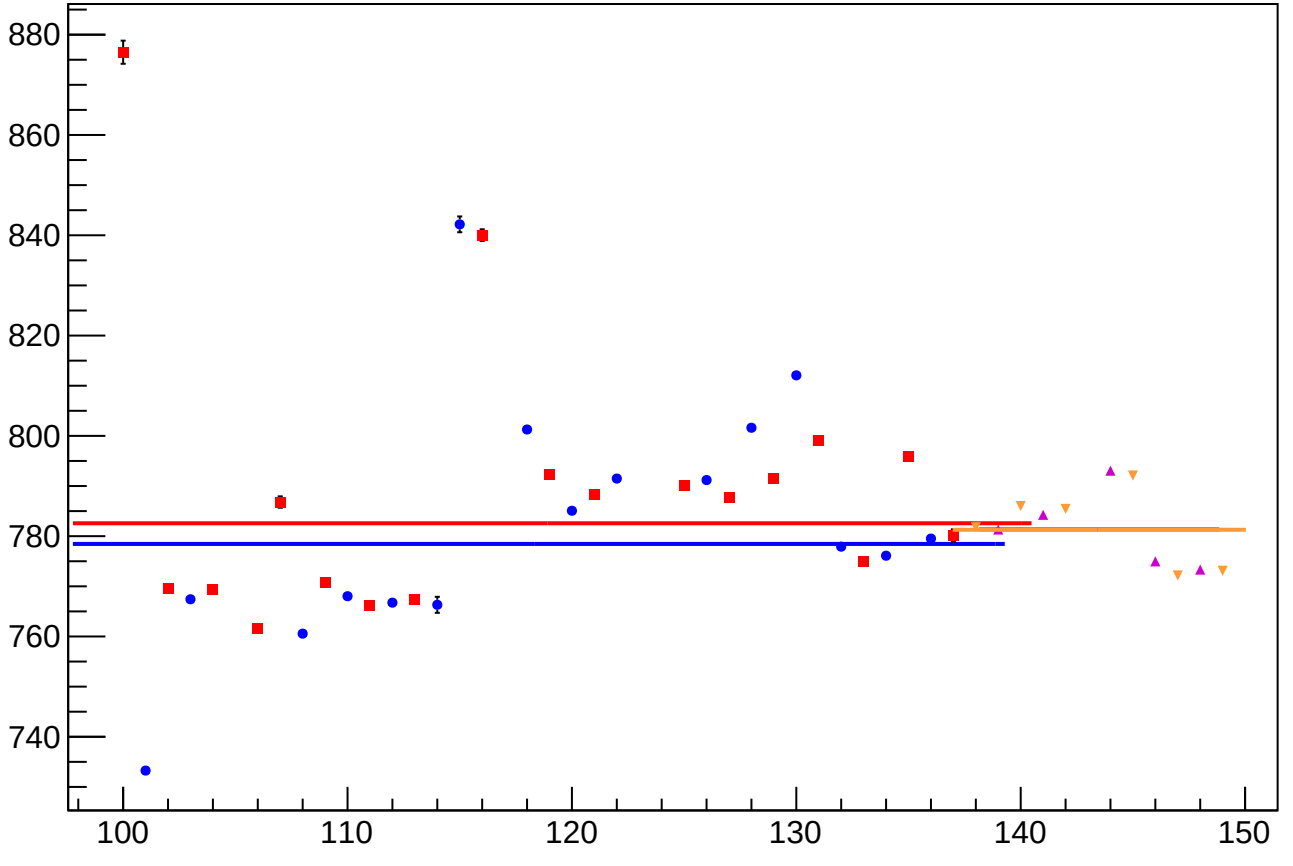
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

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

Out: -98.943+/-226.675 χ^2/NDF:18.8/23

All: -247.748+/-160.994 χ^2/NDF: 33.2/44

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 781.279+/-0.259 χ^2/NDF:807.4/5

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

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

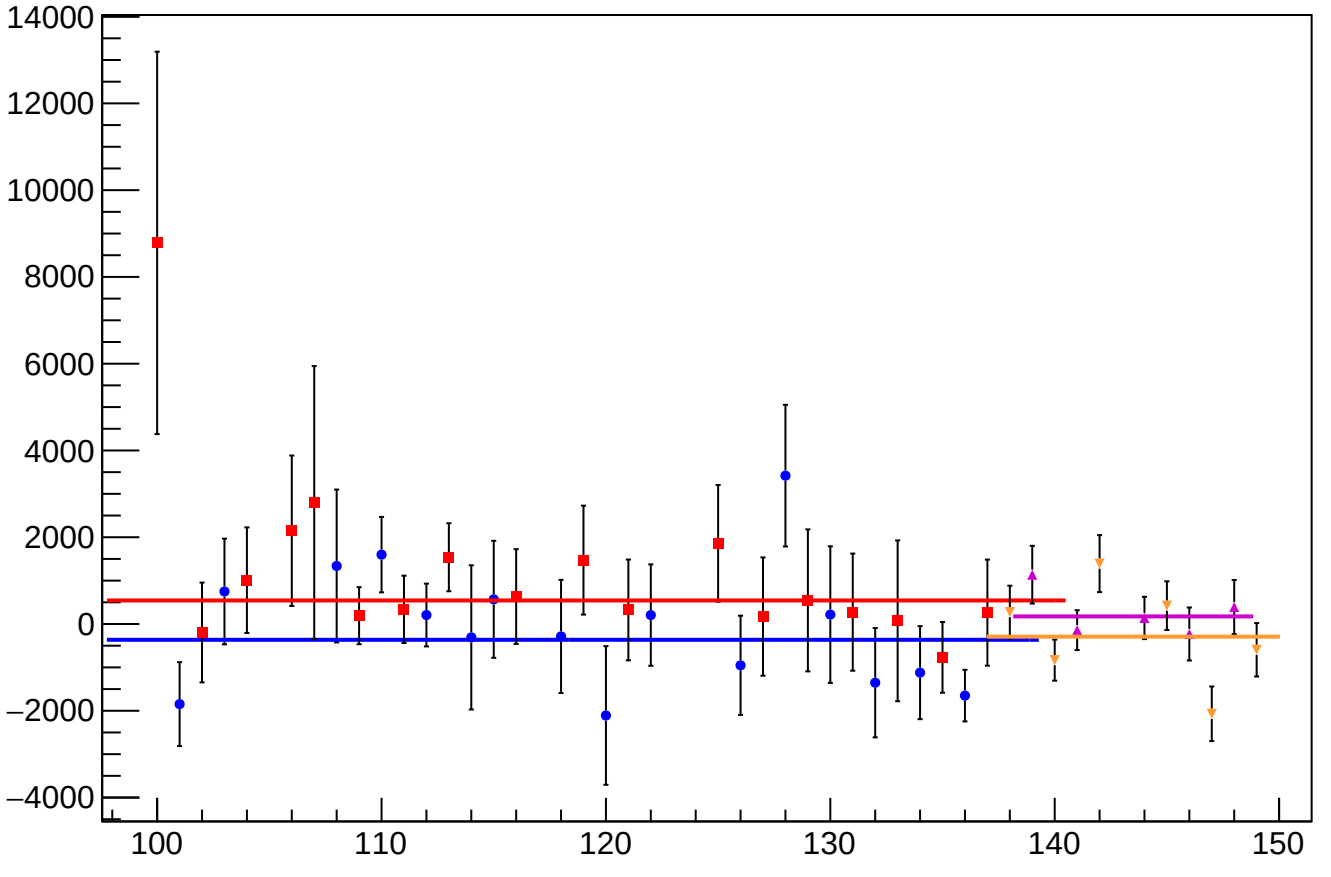
Left: 781.319+/-0.185 χ^2/NDF: 1527.1/10

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

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

Out: 782.080+/-0.160 χ^2/NDF:8304.3/23

All: 780.824+/-0.114 χ^2/NDF: 21018.7/44



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

Left Out: -291.923+/-236.771 χ^2/NDF:18.6/5

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

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

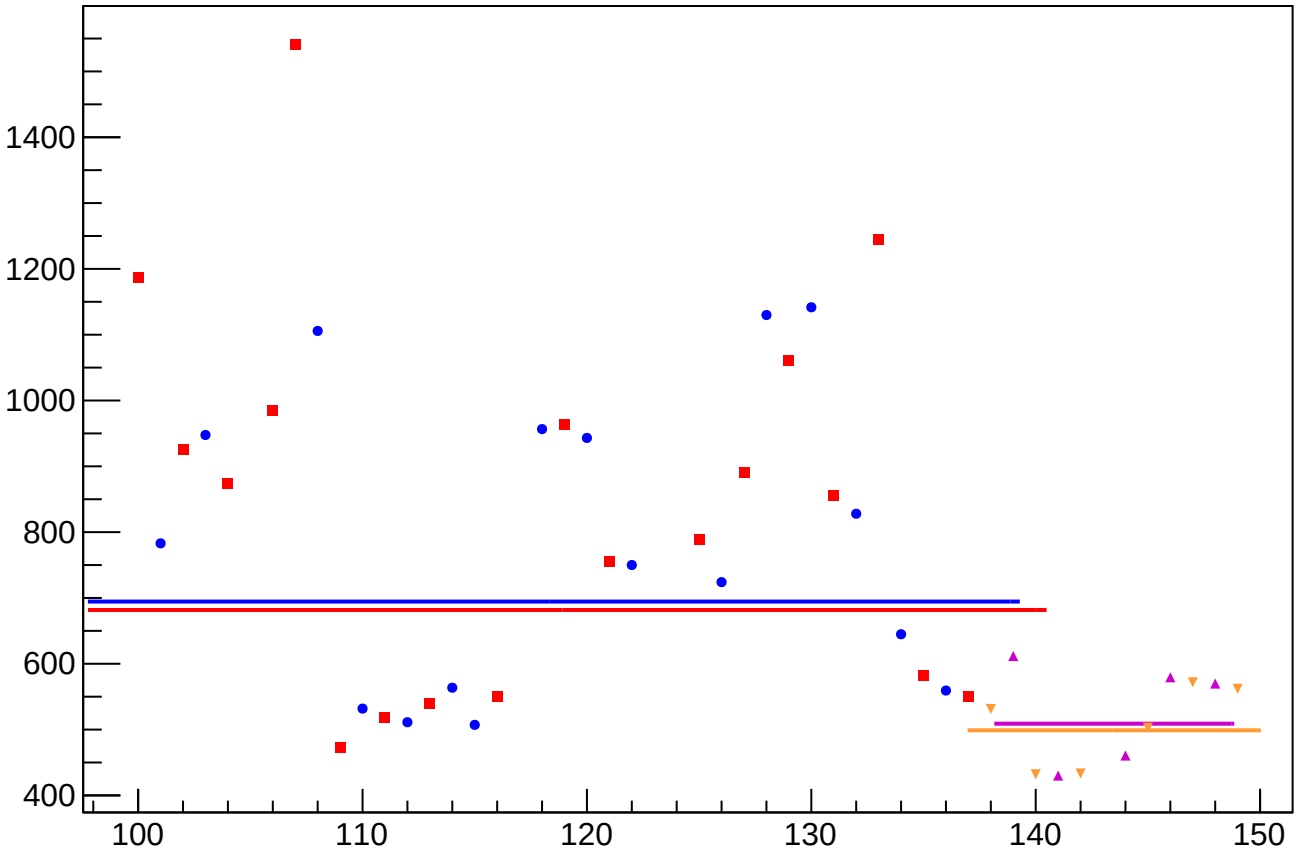
Left: -67.772+/-170.729 χ^2/NDF: 23.6/10

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

In: -70.597+/-181.798 χ^2/NDF:28.6/20

Out: 78.237+/-176.643 χ^2/NDF:35.9/23

All: 5.960+/-126.689 χ^2/NDF: 64.8/44



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

Left Out: 498.895+/-0.167 χ^2/NDF:113583.3/5

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: 503.738+/-0.121 χ^2/NDF: 287554.1/10

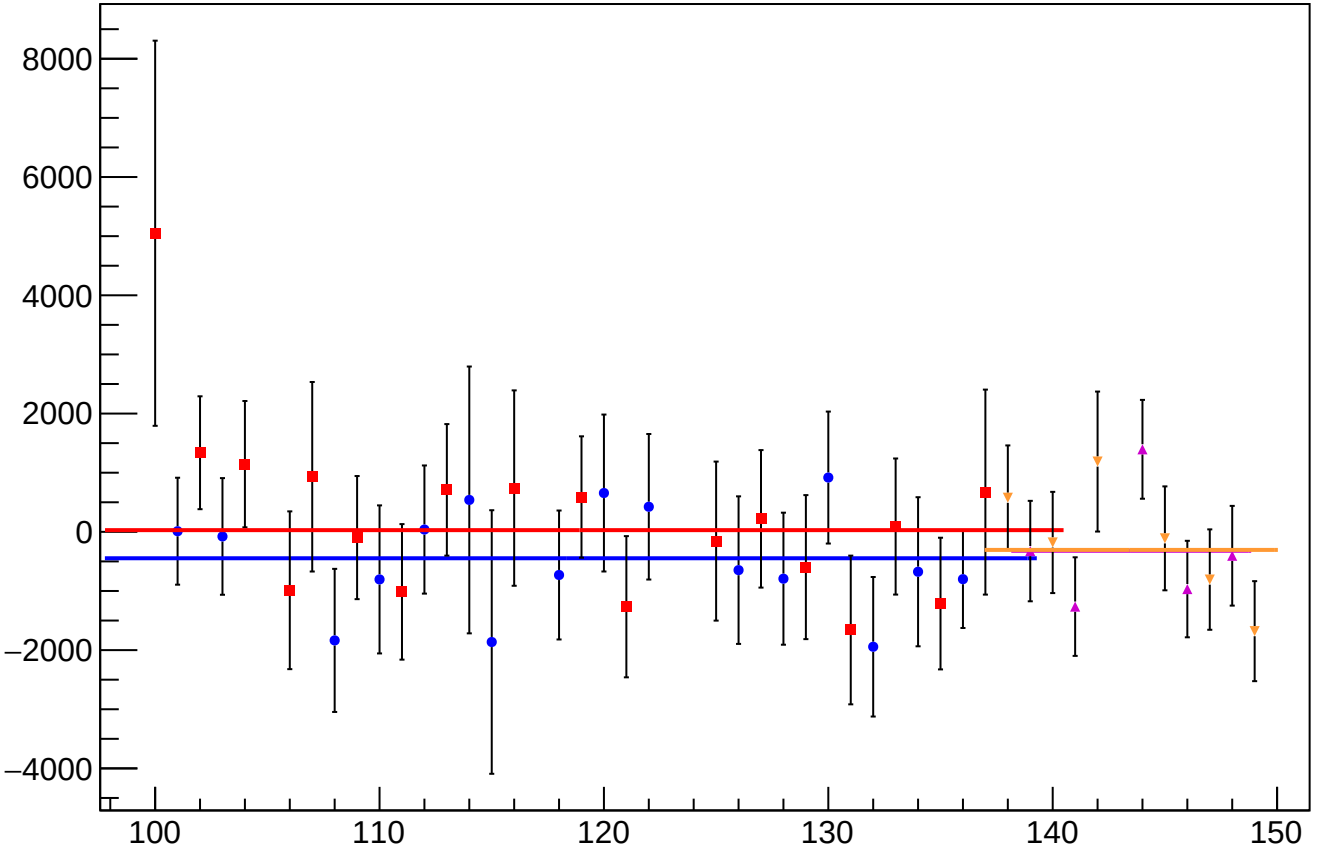
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

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

Out: 579.972+/-0.125 χ^2/NDF:1953793.7/23

All: 586.556+/-0.090 χ^2/NDF: 3678316.9/44

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -305.479+/-366.693 χ^2/NDF:5.6/5

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

Left In: -320.092+/-373.562 χ^2/NDF:6.1/4

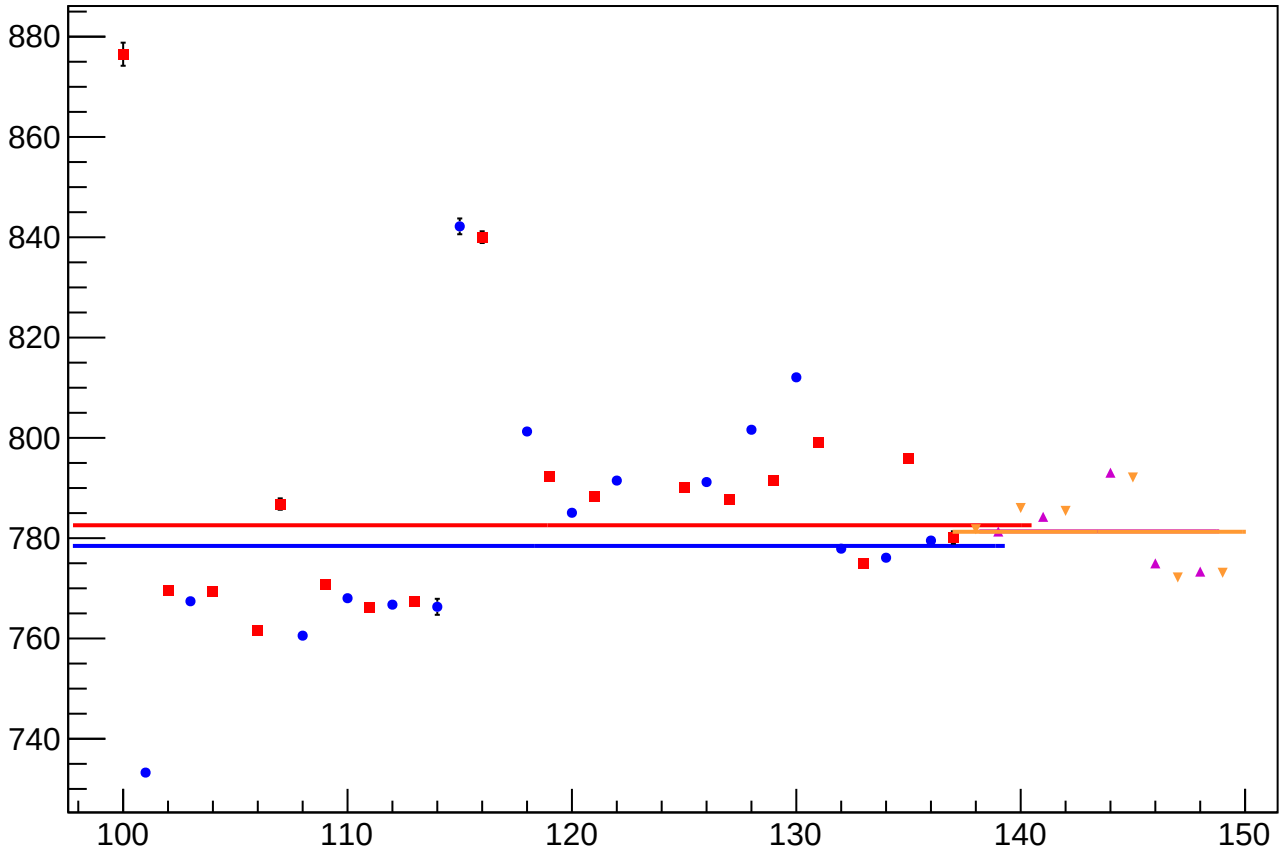
Left: -312.650+/-261.686 χ^2/NDF: 11.8/10

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

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

Out: -98.945+/-226.675 χ^2/NDF:18.8/23

All: -247.748+/-160.994 χ^2/NDF: 33.2/44



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

Left Out: 781.279+/-0.259 χ^2/NDF:807.4/5

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

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

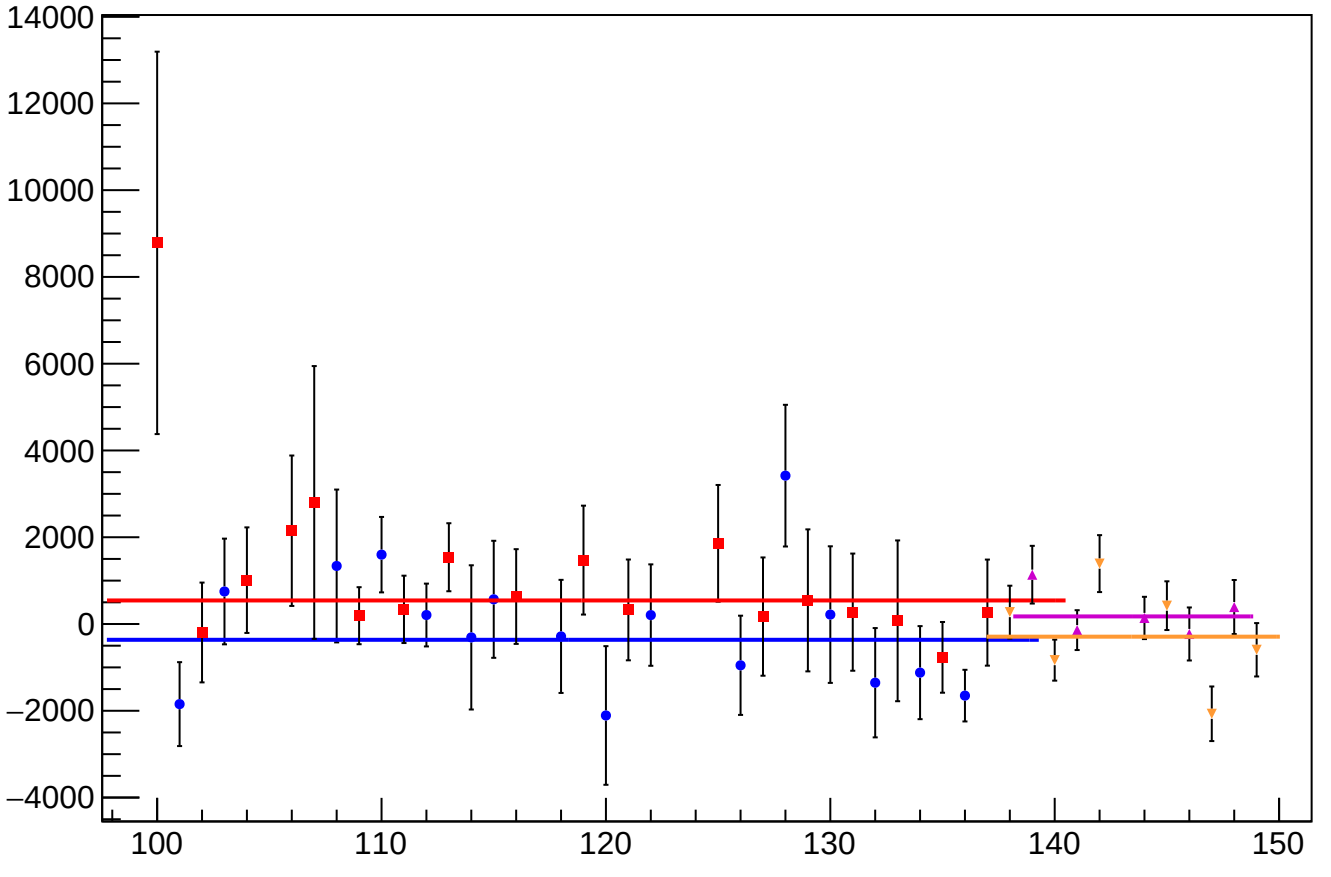
Left: 781.319+/-0.185 χ^2/NDF: 1527.1/10

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

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

Out: 782.080+/-0.160 χ^2/NDF:8304.3/23

All: 780.824+/-0.114 χ^2/NDF: 21018.7/44



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

Left Out: -291.924+/-236.771 χ^2/NDF:18.6/5

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

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

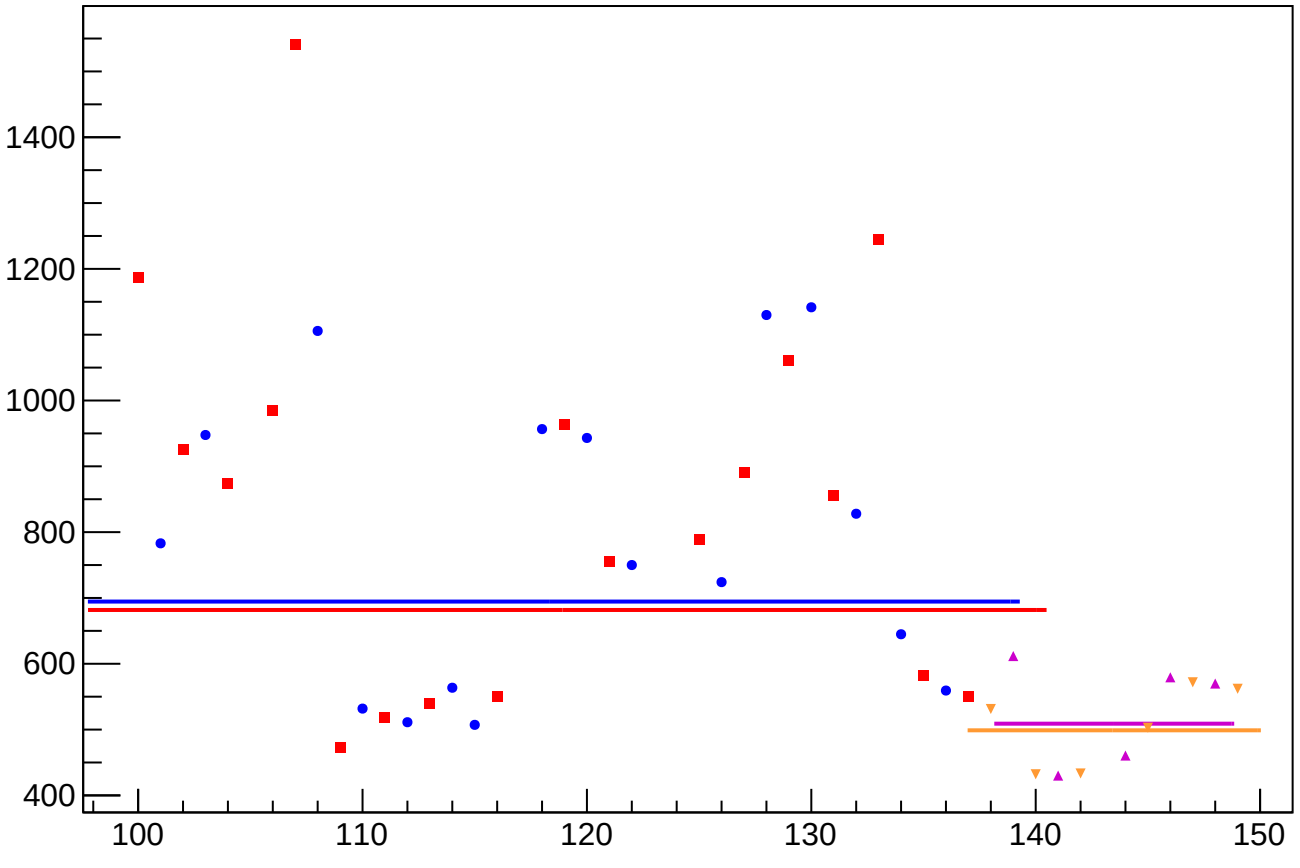
Left: -67.773+/-170.729 χ^2/NDF: 23.6/10

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

In: -70.597+/-181.798 χ^2/NDF:28.6/20

Out: 78.237+/-176.643 χ^2/NDF:35.9/23

All: 5.960+/-126.689 χ^2/NDF: 64.8/44



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

Left Out: 498.894+/-0.167 χ^2/NDF:113590.2/5

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

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

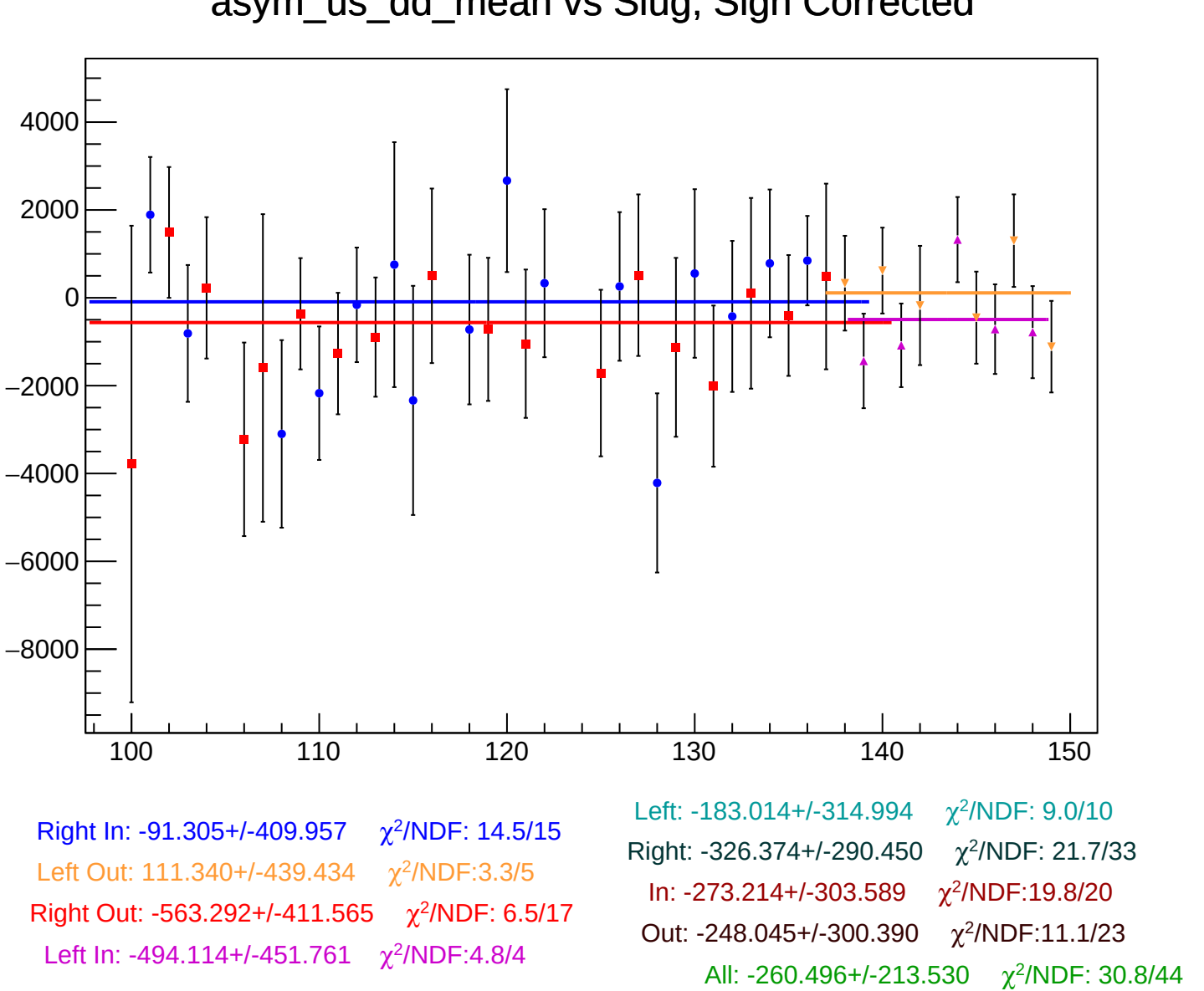
Left: 503.738+/-0.121 χ^2/NDF: 287568.9/10

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

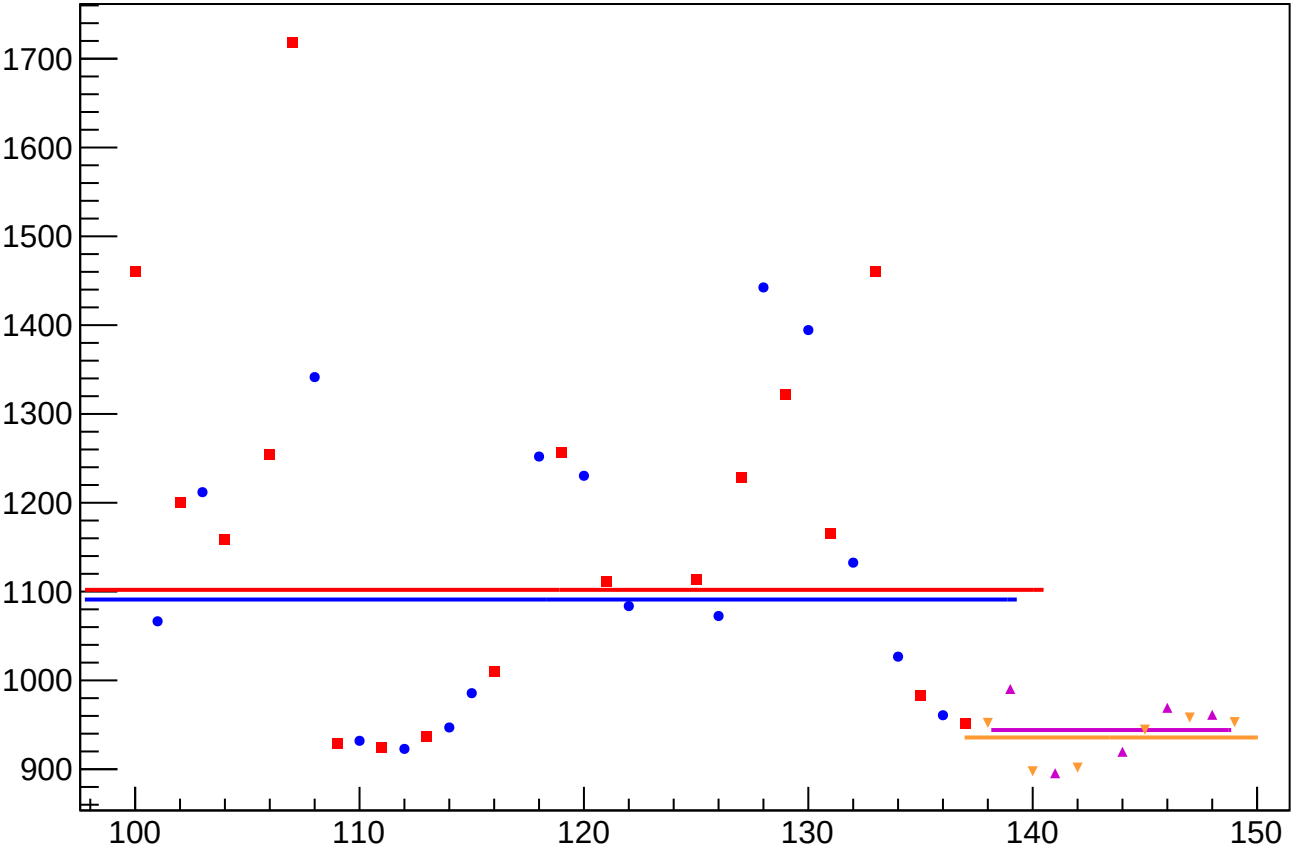
In: 593.528+/-0.129 χ^2/NDF:1718806.7/20

Out: 579.970+/-0.125 χ^2/NDF:1953806.3/23

All: 586.554+/-0.090 χ^2/NDF: 3678334.5/44


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 111.340+/-439.434 χ²/NDF:3.3/5
Right Out: -563.292+/-411.565 χ²/NDF: 6.5/17
Left In: -494.114+/-451.761 χ²/NDF:4.8/4
Left: -183.014+/-314.994 χ²/NDF: 9.0/10
Right: -326.374+/-290.450 χ²/NDF: 21.7/33
In: -273.214+/-303.589 χ²/NDF:19.8/20
Out: -248.045+/-300.390 χ²/NDF:11.1/23
All: -260.496+/-213.530 χ²/NDF: 30.8/44

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 935.726+/-0.311 χ^2/NDF:6350.3/5

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

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

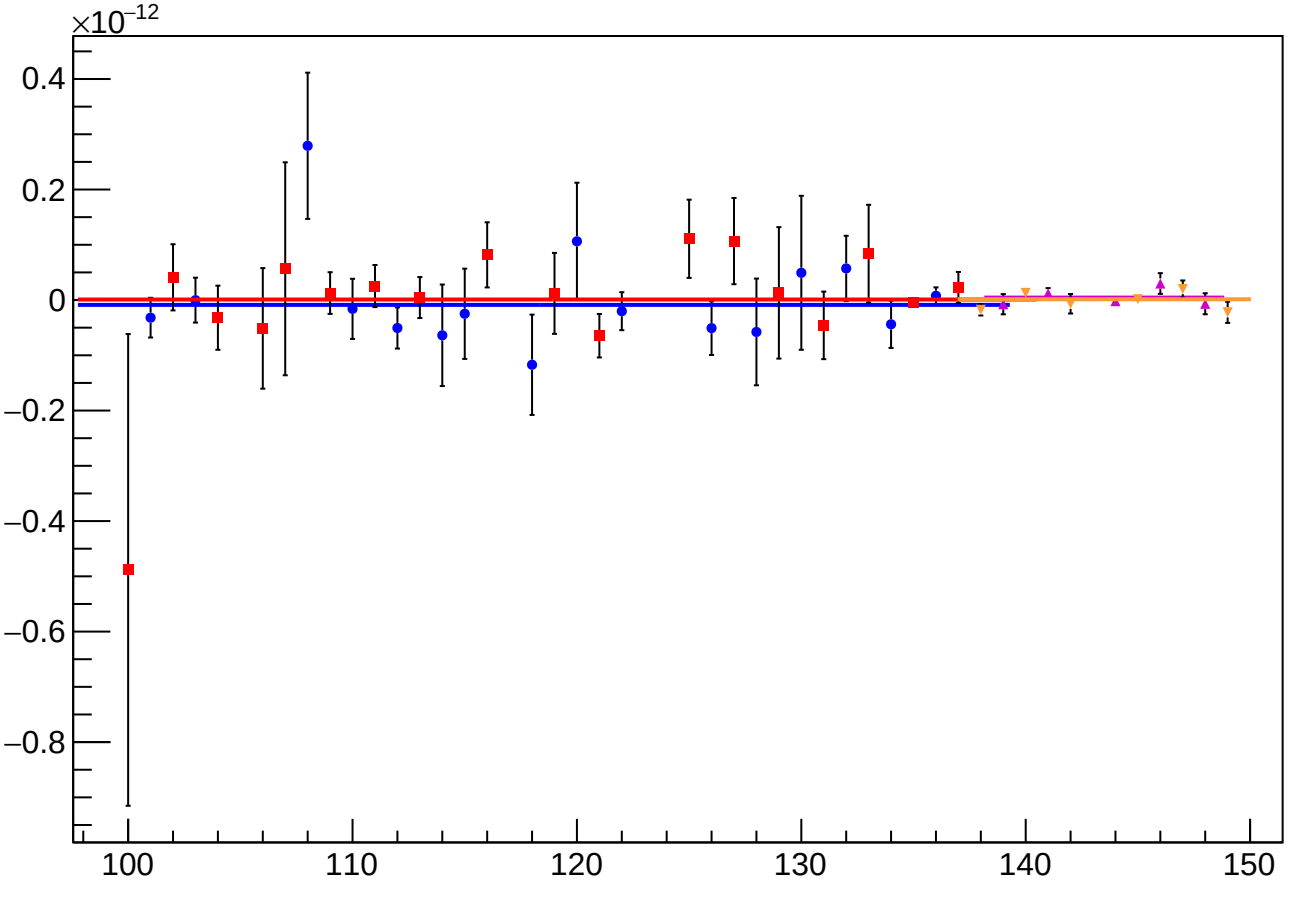
Left: 939.801+/-0.223 χ^2/NDF: 18628.3/10

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

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

Out: 1024.277+/-0.212 χ^2/NDF:486912.5/23

All: 1024.479+/-0.151 χ^2/NDF: 892169.0/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/5

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

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

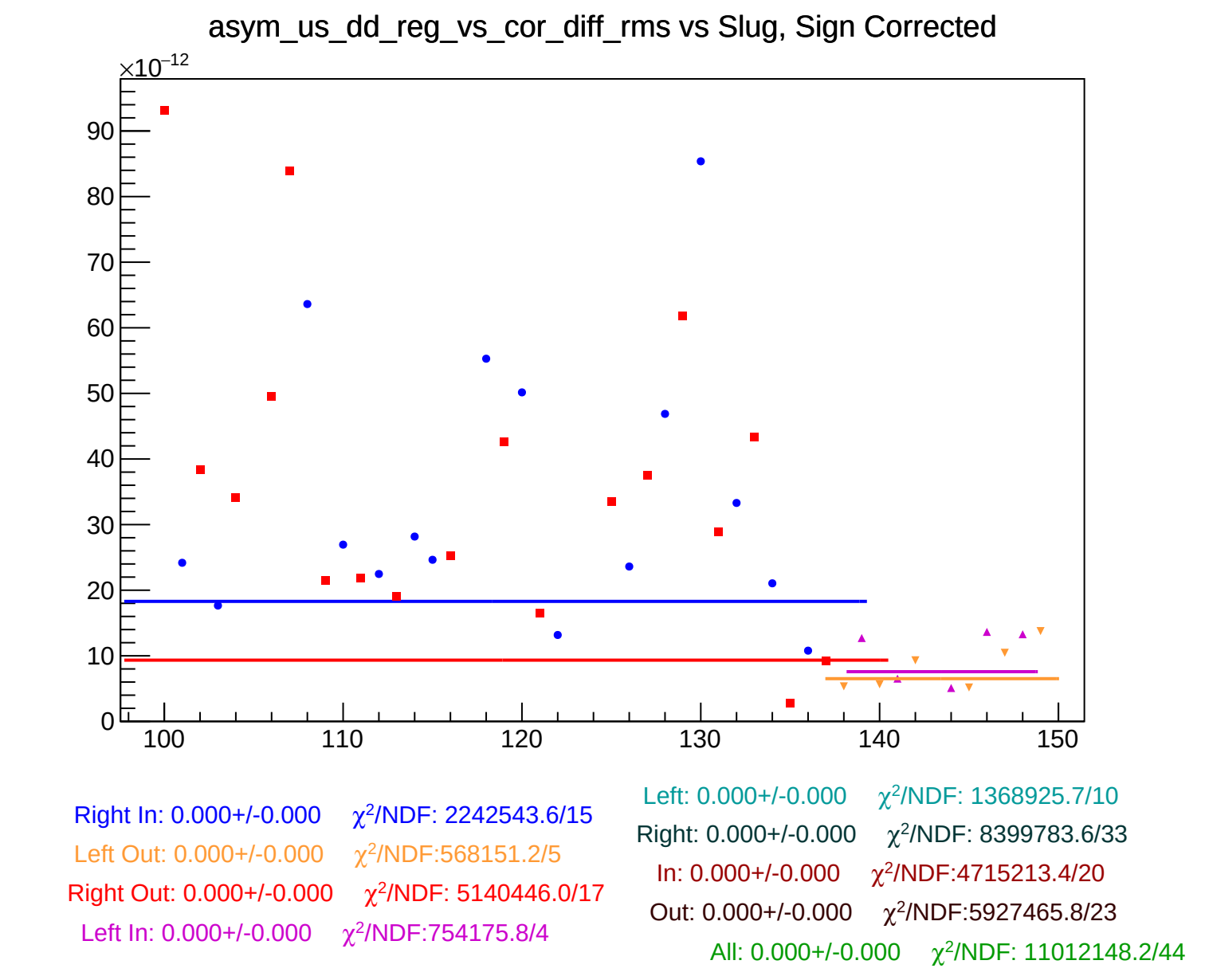
Left: 0.000+/-0.000 χ^2/NDF: 12.9/10

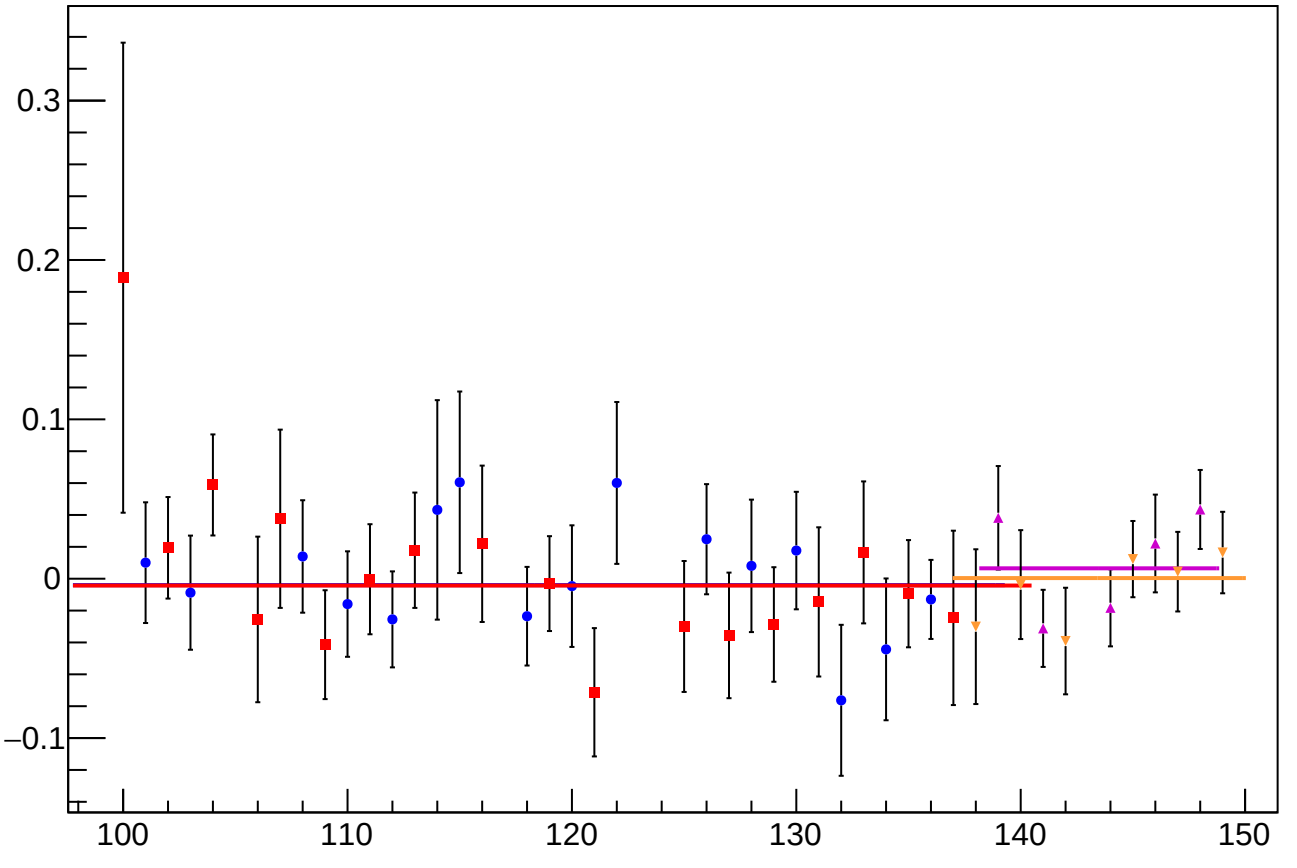
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:19.0/20

Out: 0.000+/-0.000 χ^2/NDF:23.1/23

All: 0.000+/-0.000 χ^2/NDF: 42.2/44


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:568151.2/5
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: 1368925.7/10
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:5927465.8/23
All: 0.000+/-0.000 χ²/NDF: 11012148.2/44



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

Left Out: 0.000+/-0.012 χ^2/NDF:2.5/5

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

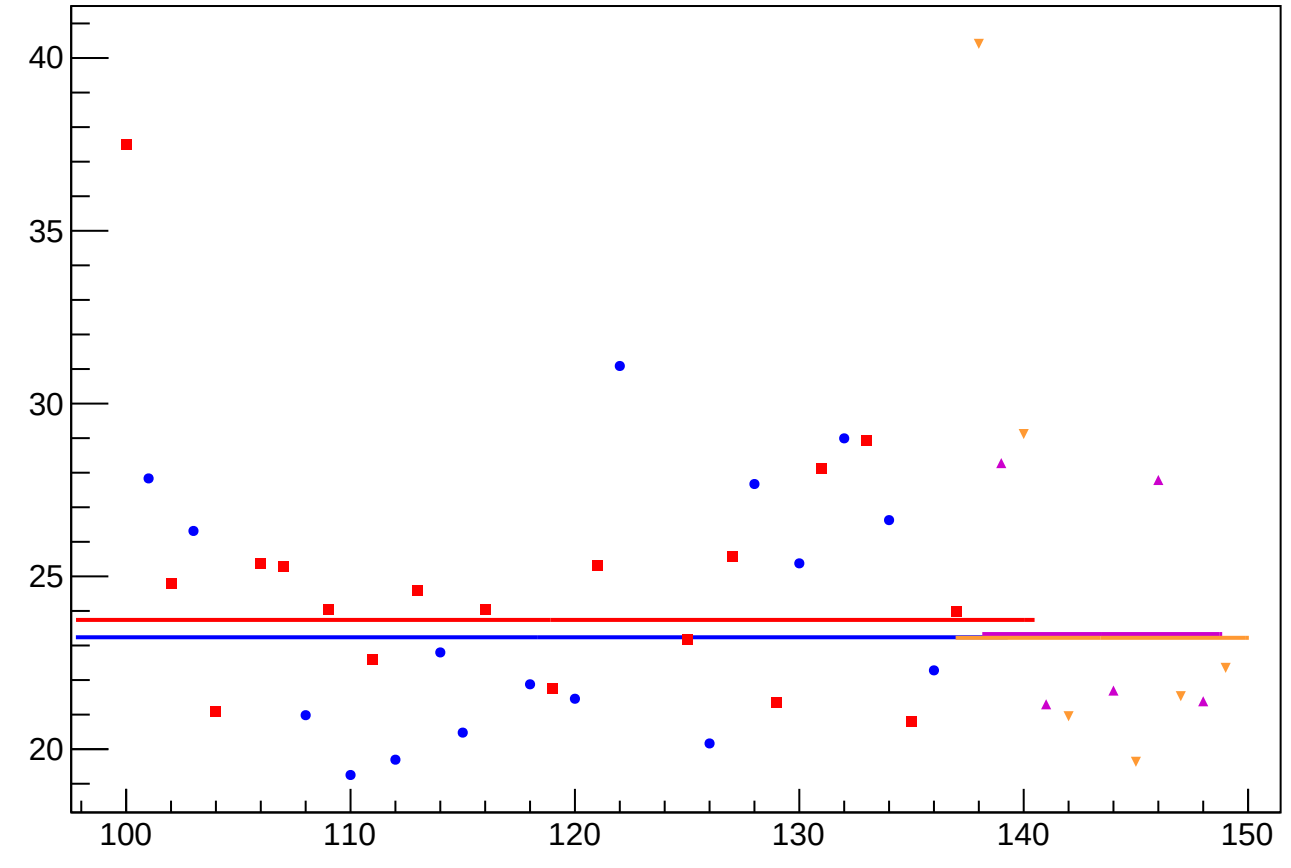
Left: 0.003+/-0.008 χ^2/NDF: 9.5/10

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

In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.003+/-0.007 χ^2/NDF:16.1/23

All: -0.001+/-0.005 χ^2/NDF: 32.7/44



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

Left Out: 23.222+/-0.008 χ^2/NDF:375752.0/5

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

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

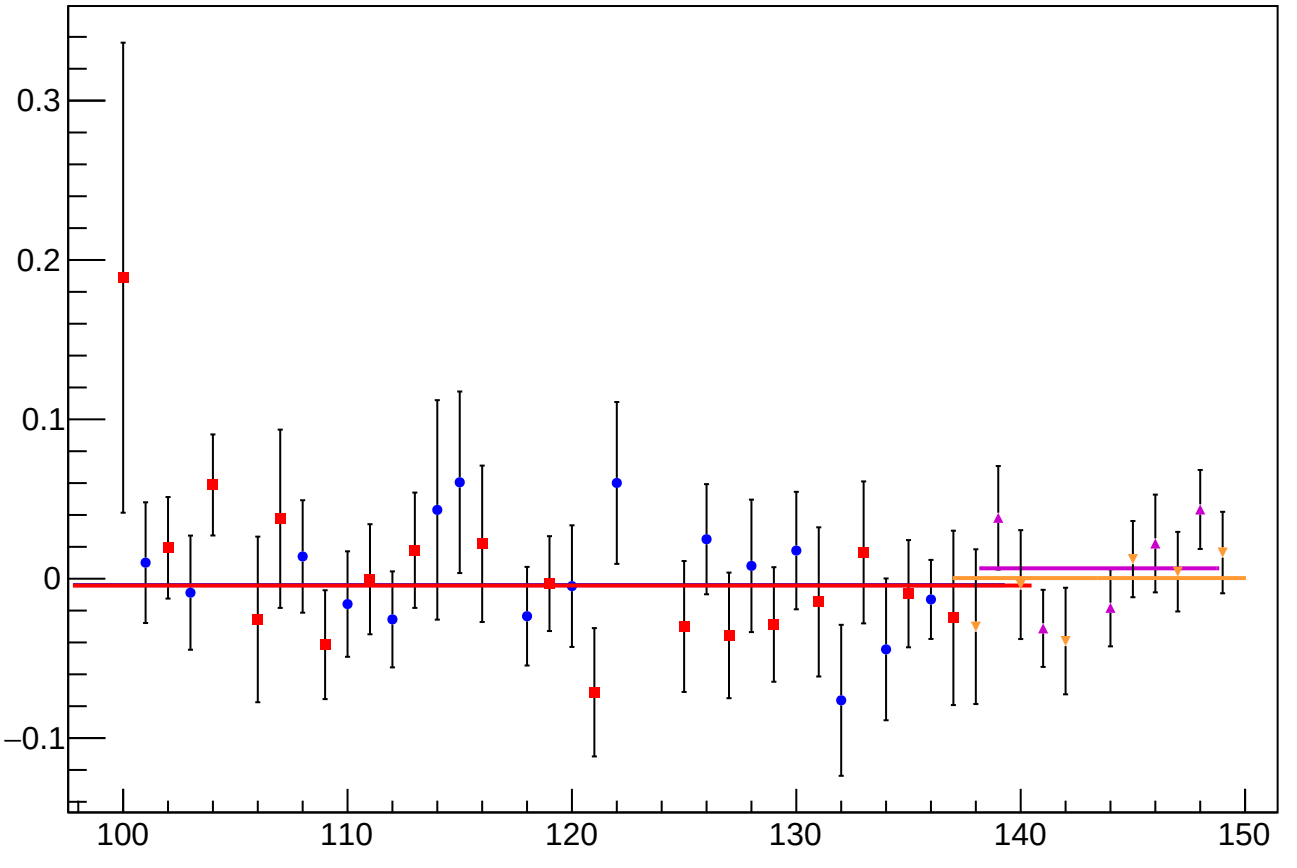
Left: 23.277+/-0.006 χ^2/NDF: 500027.6/10

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

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

Out: 23.544+/-0.005 χ^2/NDF:504282.9/23

All: 23.408+/-0.004 χ^2/NDF: 889151.4/44



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

Left Out: 0.000+/-0.012 χ^2/NDF:2.5/5

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

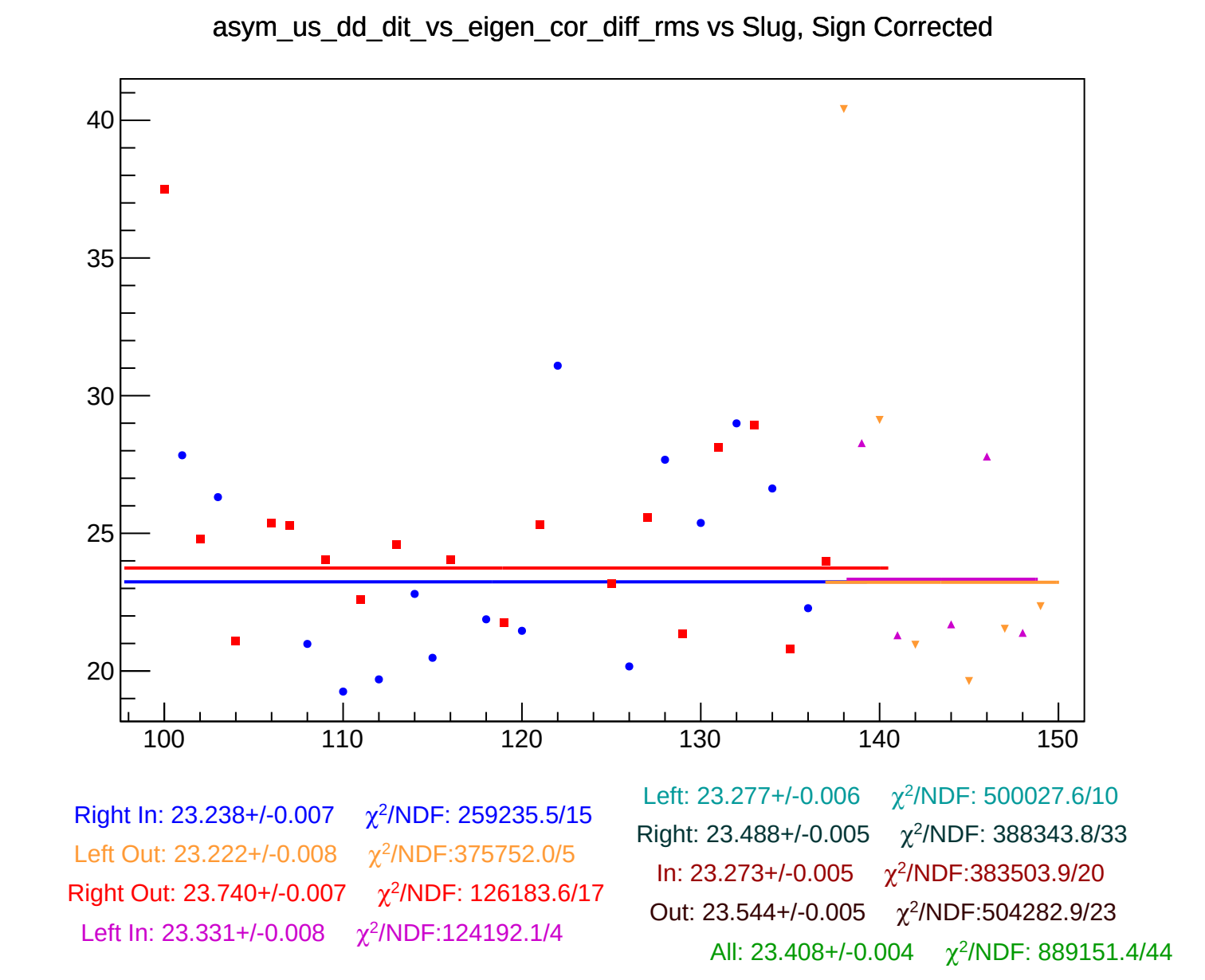
Left: 0.003+/-0.008 χ^2/NDF: 9.5/10

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

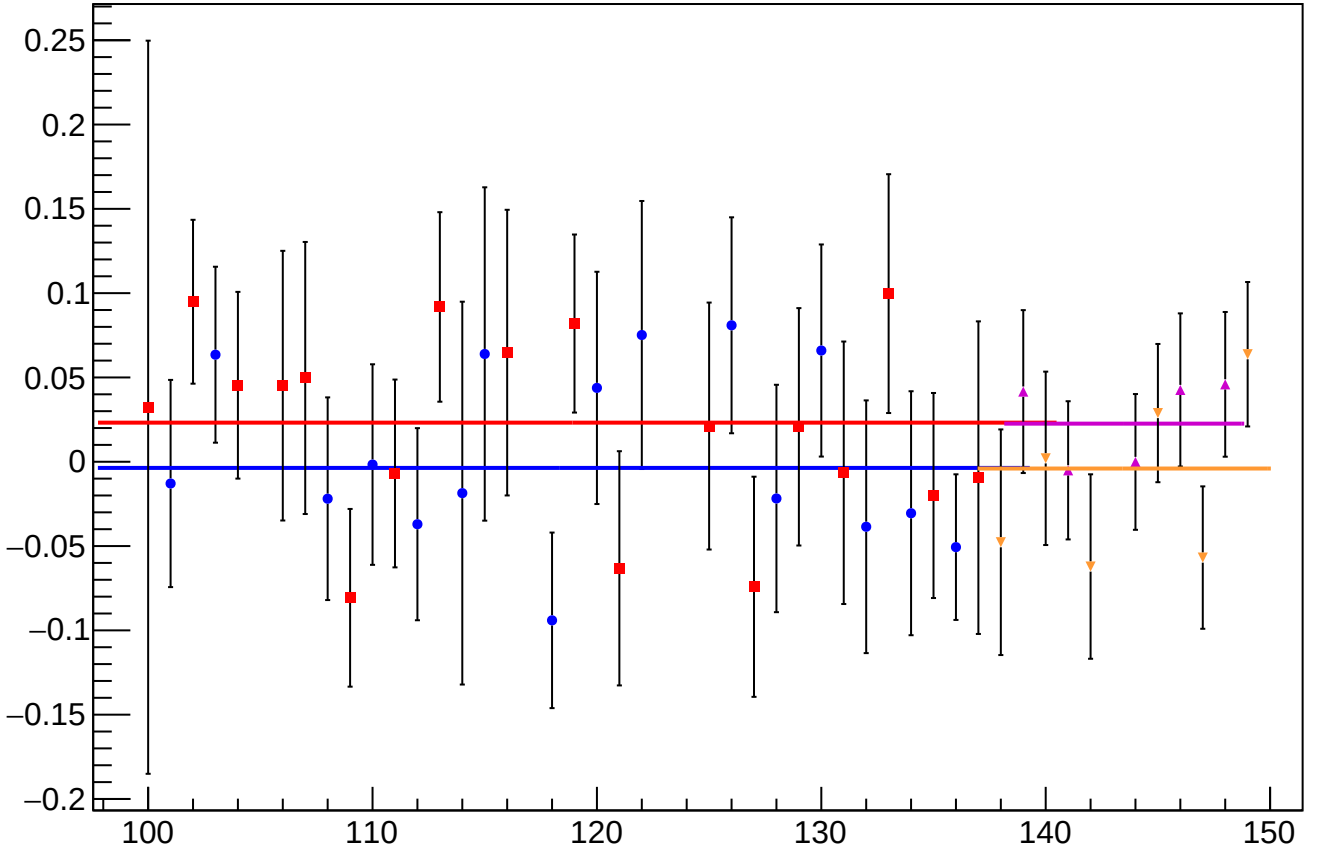
In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.003+/-0.007 χ^2/NDF:16.1/23

All: -0.001+/-0.005 χ^2/NDF: 32.7/44


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.222+/-0.008 χ²/NDF:375752.0/5
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.331+/-0.008 χ²/NDF:124192.1/4
Left: 23.277+/-0.006 χ²/NDF: 500027.6/10
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.273+/-0.005 χ²/NDF:383503.9/20
Out: 23.544+/-0.005 χ²/NDF:504282.9/23
All: 23.408+/-0.004 χ²/NDF: 889151.4/44

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.019 χ^2/NDF:6.3/5

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

Left In: 0.023+/-0.019 χ^2/NDF:1.4/4

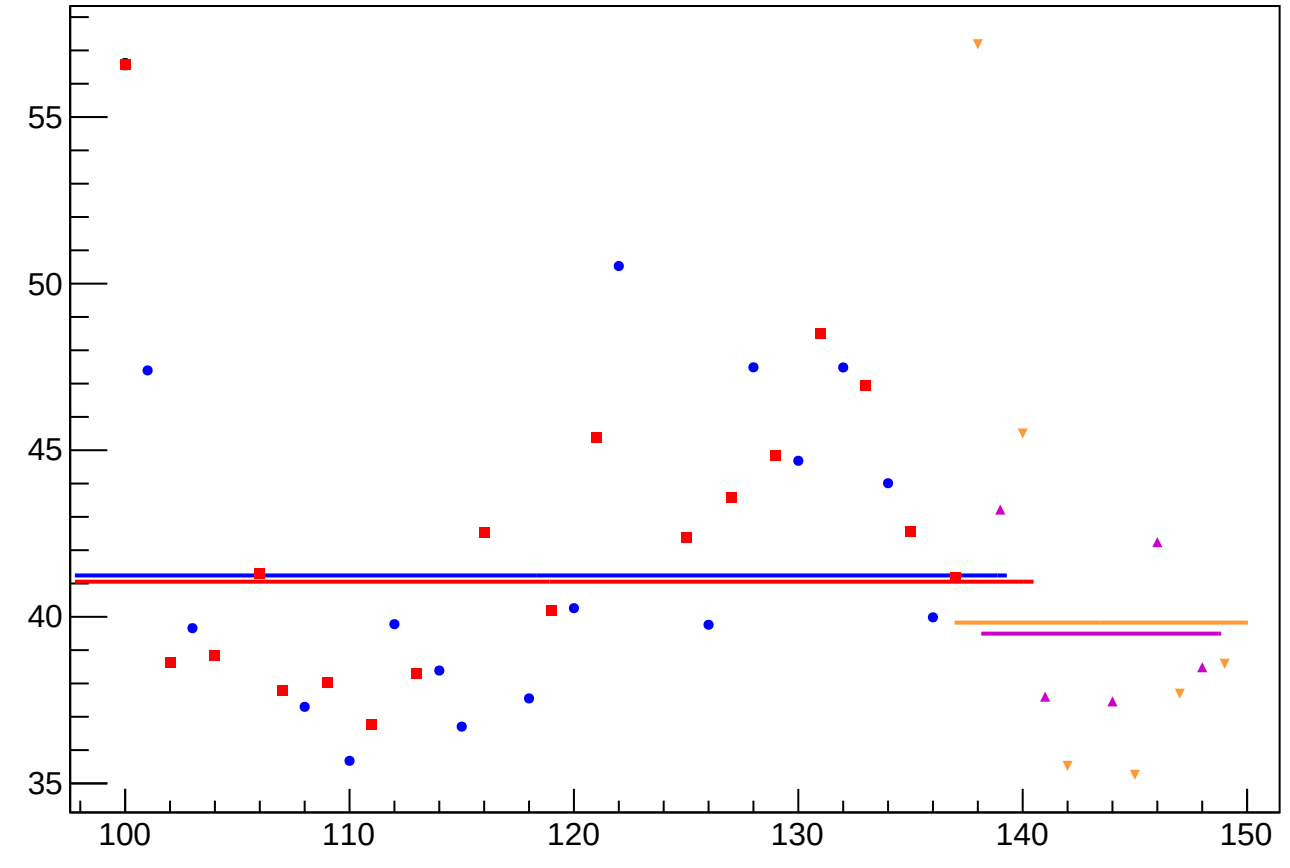
Left: 0.009+/-0.014 χ^2/NDF: 8.6/10

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.007+/-0.012 χ^2/NDF:14.2/20

Out: 0.013+/-0.012 χ^2/NDF:22.9/23

All: 0.010+/-0.009 χ^2/NDF: 37.2/44



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

Left Out: 39.826+/-0.014 χ^2/NDF:202956.4/5

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

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

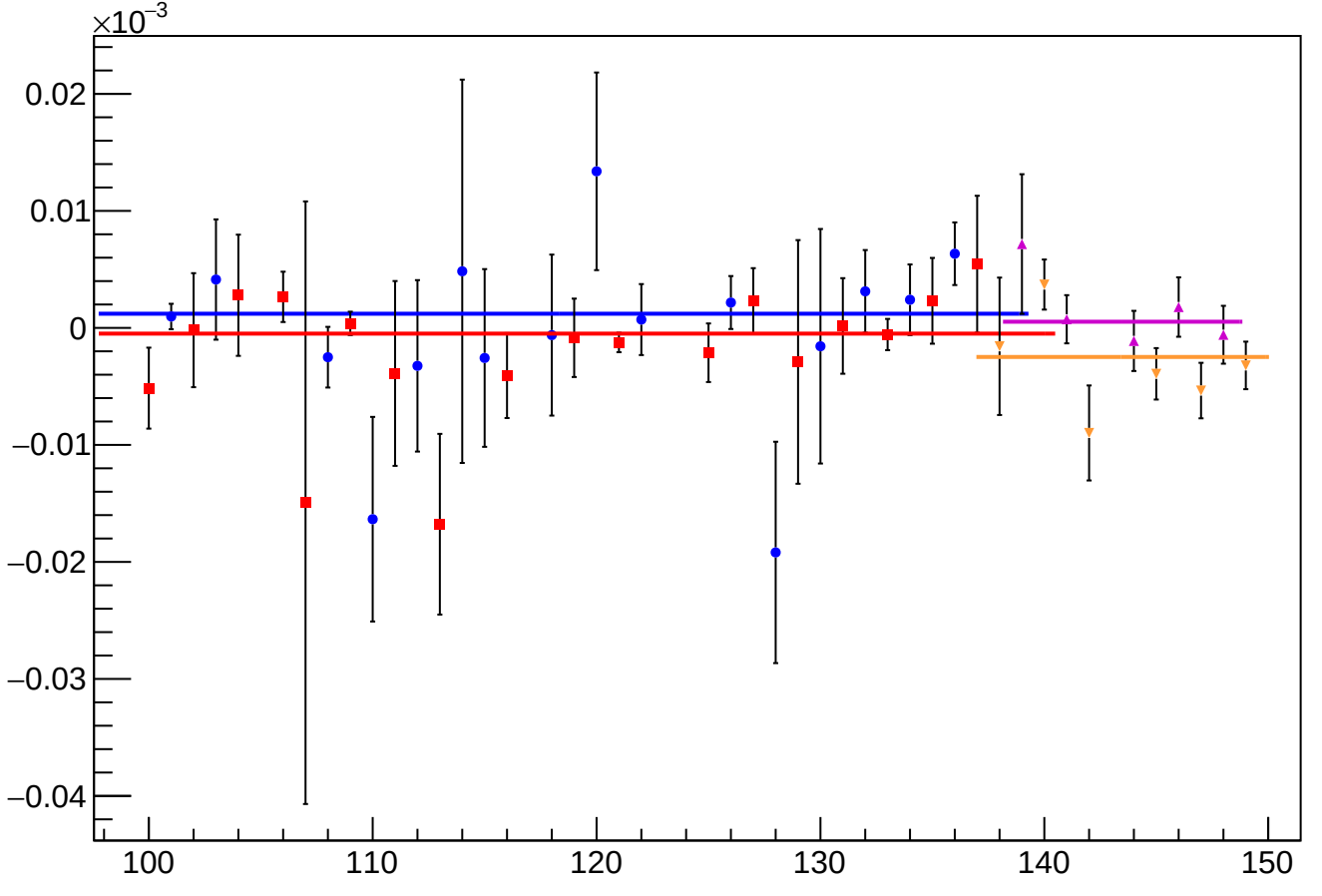
Left: 39.660+/-0.010 χ^2/NDF: 232910.6/10

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

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

Out: 40.578+/-0.009 χ^2/NDF:304388.3/23

All: 40.563+/-0.006 χ^2/NDF: 479133.6/44



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: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

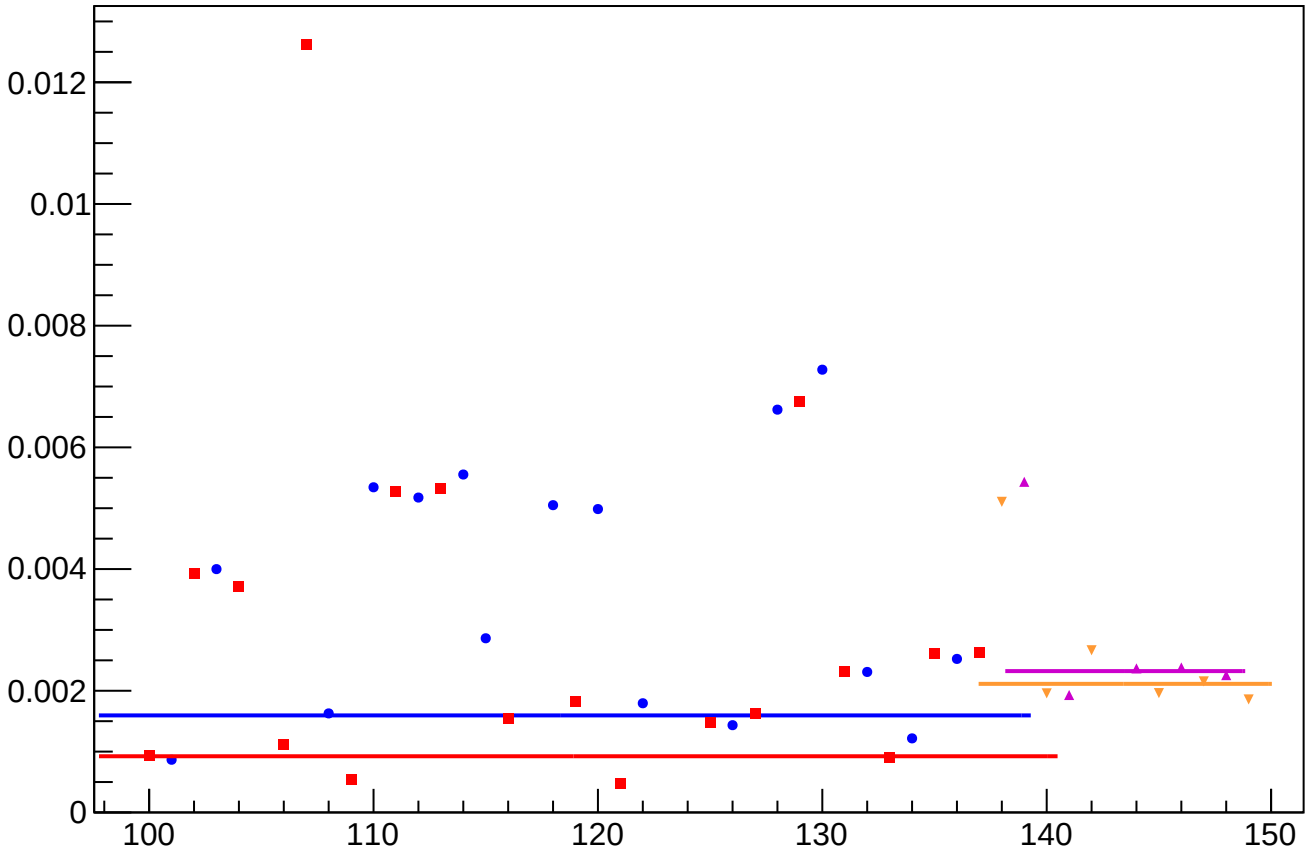
Left: -0.000+/-0.000 χ^2/NDF: 18.8/10

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:31.0/23

All: -0.000+/-0.000 χ^2/NDF: 57.5/44



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

Left Out: 0.002+/-0.000 χ^2/NDF:608837.1/5

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

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

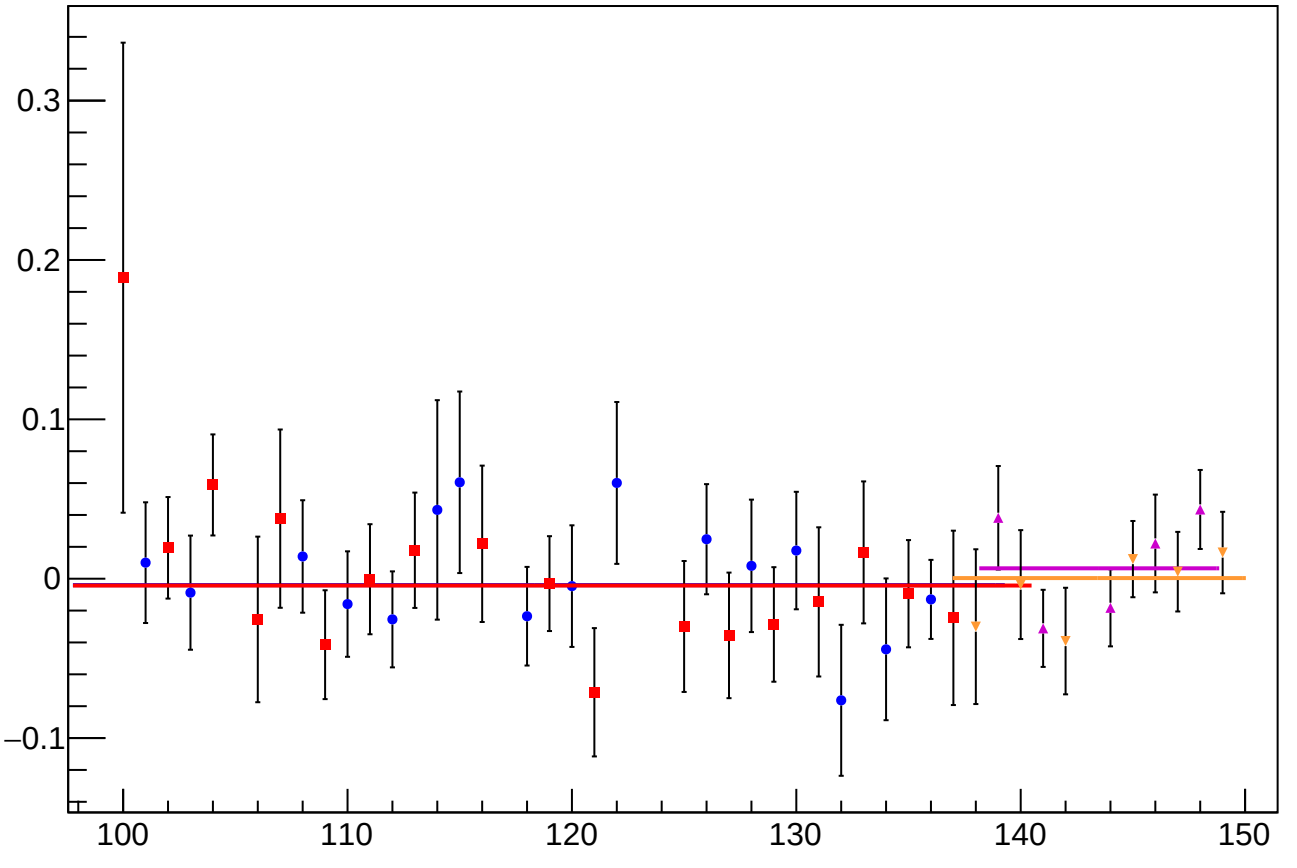
Left: 0.002+/-0.000 χ^2/NDF: 1264515.7/10

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:8539173.0/23

All: 0.001+/-0.000 χ^2/NDF: 15929742.2/44



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

Left Out: 0.000+/-0.012 χ^2/NDF:2.5/5

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

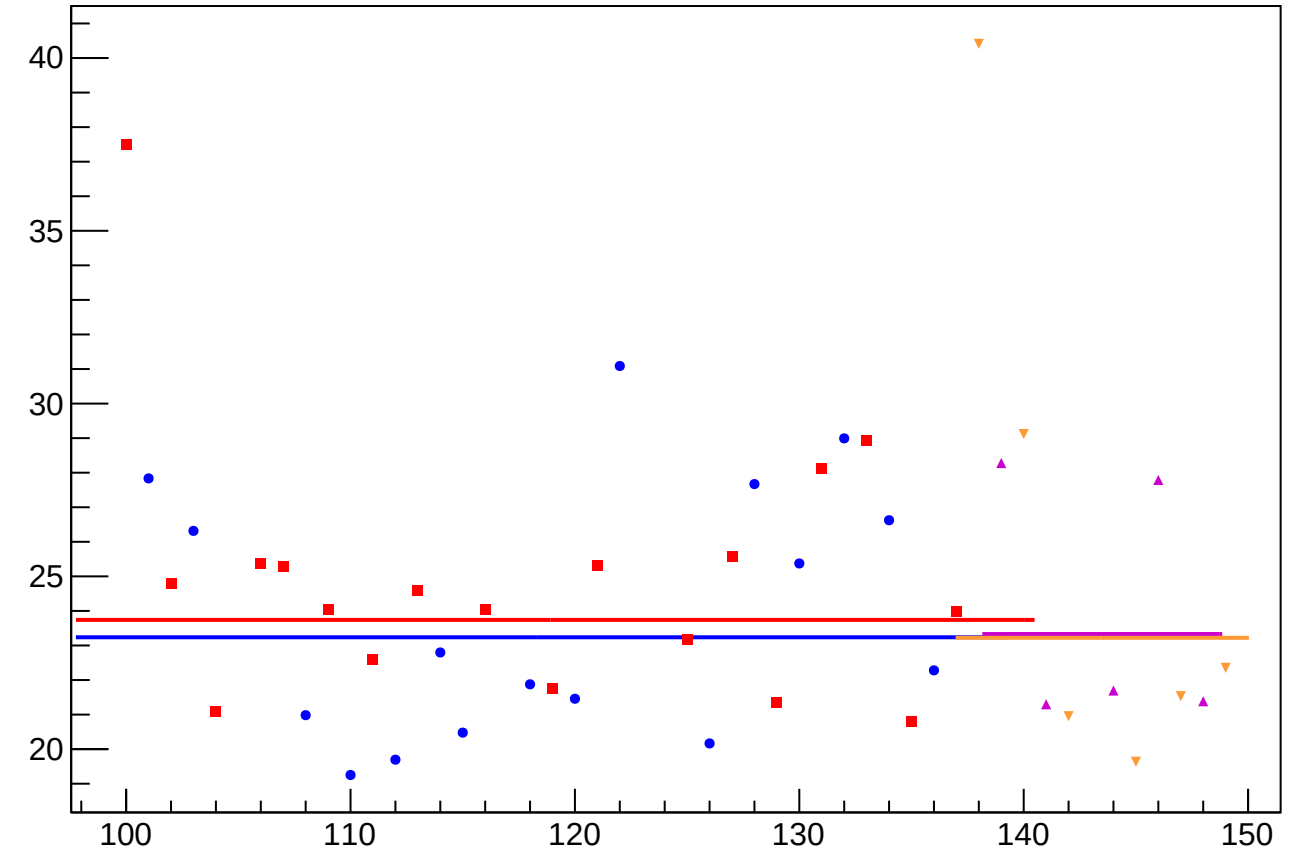
Left: 0.003+/-0.008 χ^2/NDF: 9.5/10

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

In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.003+/-0.007 χ^2/NDF:16.1/23

All: -0.001+/-0.005 χ^2/NDF: 32.7/44



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

Left Out: 23.222+/-0.008 χ^2/NDF:375745.1/5

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

Left In: 23.331+/-0.008 χ^2/NDF:124202.1/4

Left: 23.277+/-0.006 χ^2/NDF: 500030.8/10

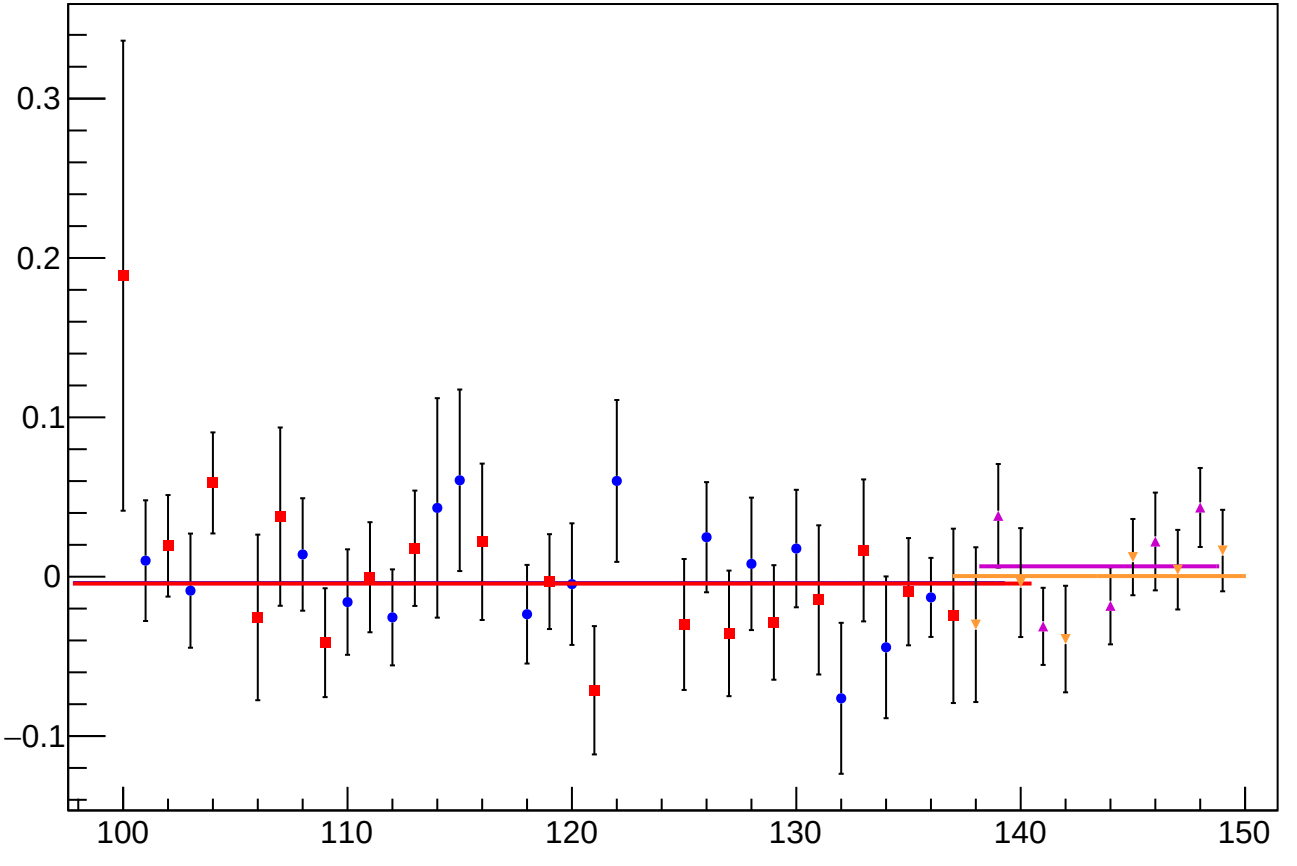
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.273+/-0.005 χ^2/NDF:383504.0/20

Out: 23.544+/-0.005 χ^2/NDF:504226.6/23

All: 23.408+/-0.004 χ^2/NDF: 889100.5/44

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.012 χ^2/NDF:2.5/5

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

Left In: 0.007+/-0.012 χ^2/NDF:6.9/4

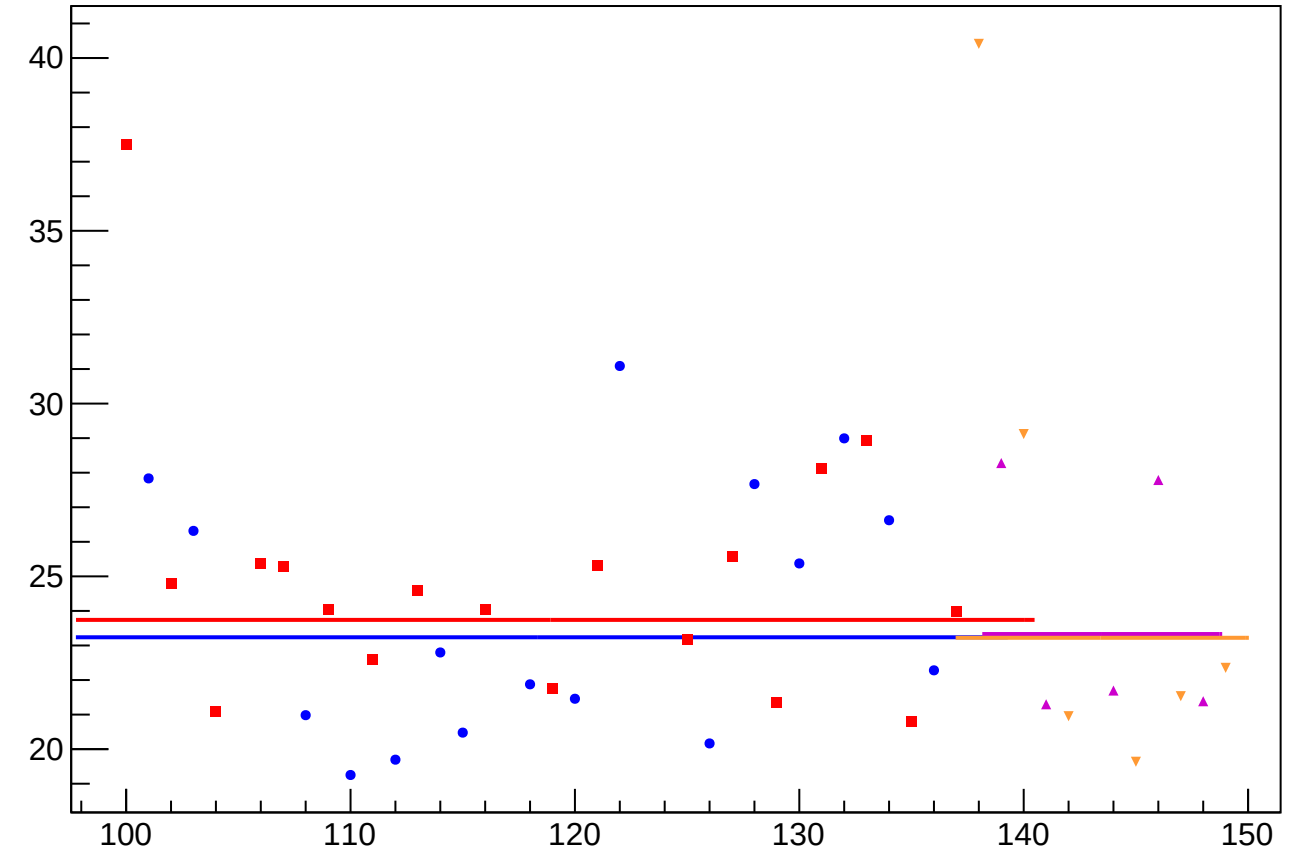
Left: 0.003+/-0.008 χ^2/NDF: 9.5/10

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

In: -0.000+/-0.007 χ^2/NDF:16.6/20

Out: -0.003+/-0.007 χ^2/NDF:16.1/23

All: -0.001+/-0.005 χ^2/NDF: 32.7/44



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

Left Out: 23.222+/-0.008 χ^2/NDF:375745.1/5

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

Left In: 23.331+/-0.008 χ^2/NDF:124202.1/4

Left: 23.277+/-0.006 χ^2/NDF: 500030.8/10

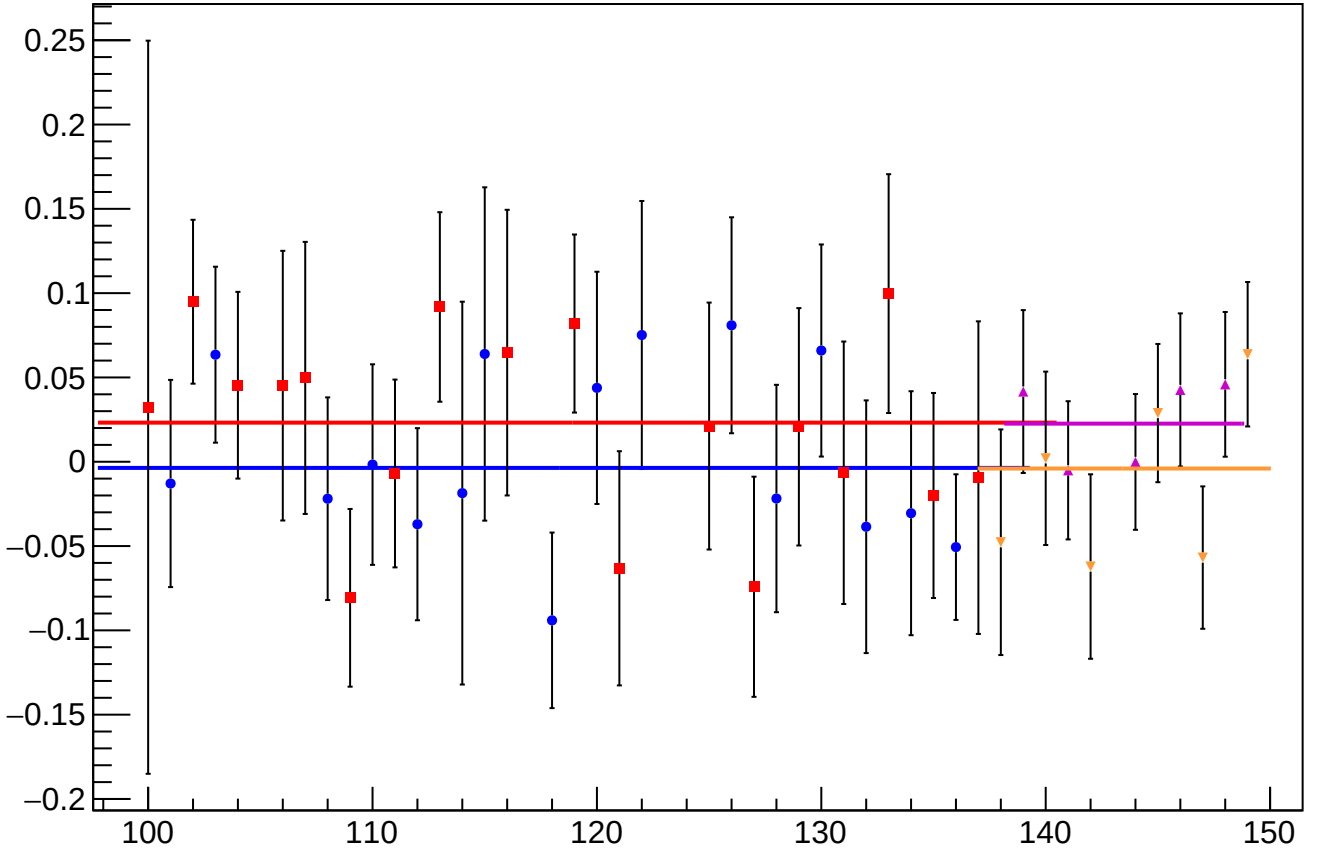
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.273+/-0.005 χ^2/NDF:383504.0/20

Out: 23.544+/-0.005 χ^2/NDF:504226.6/23

All: 23.408+/-0.004 χ^2/NDF: 889100.5/44

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: -0.004+/-0.019 χ^2/NDF:6.3/5

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

Left In: 0.023+/-0.019 χ^2/NDF:1.4/4

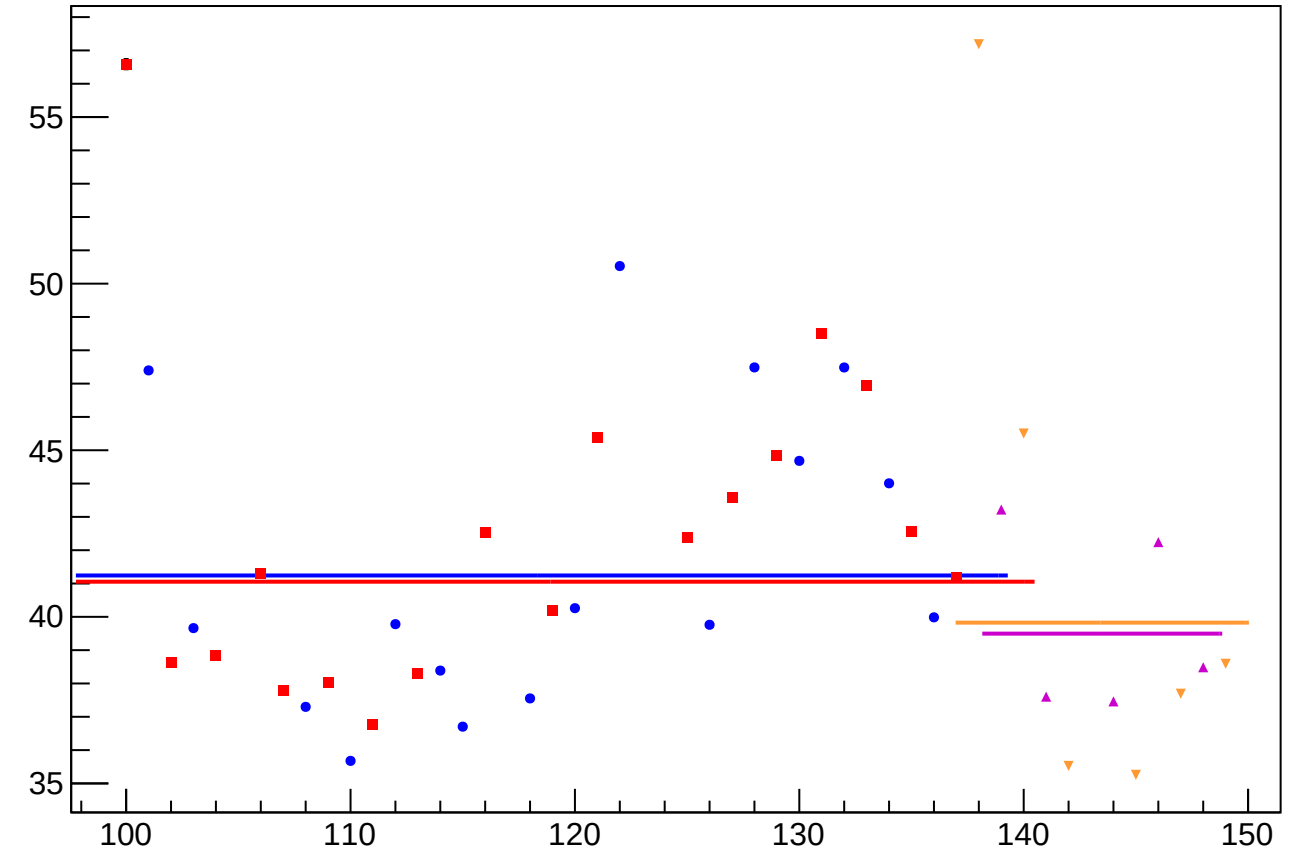
Left: 0.009+/-0.014 χ^2/NDF: 8.6/10

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.007+/-0.012 χ^2/NDF:14.2/20

Out: 0.013+/-0.012 χ^2/NDF:22.9/23

All: 0.010+/-0.009 χ^2/NDF: 37.2/44



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

Left Out: 39.826+/-0.014 χ^2/NDF:202956.1/5

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

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

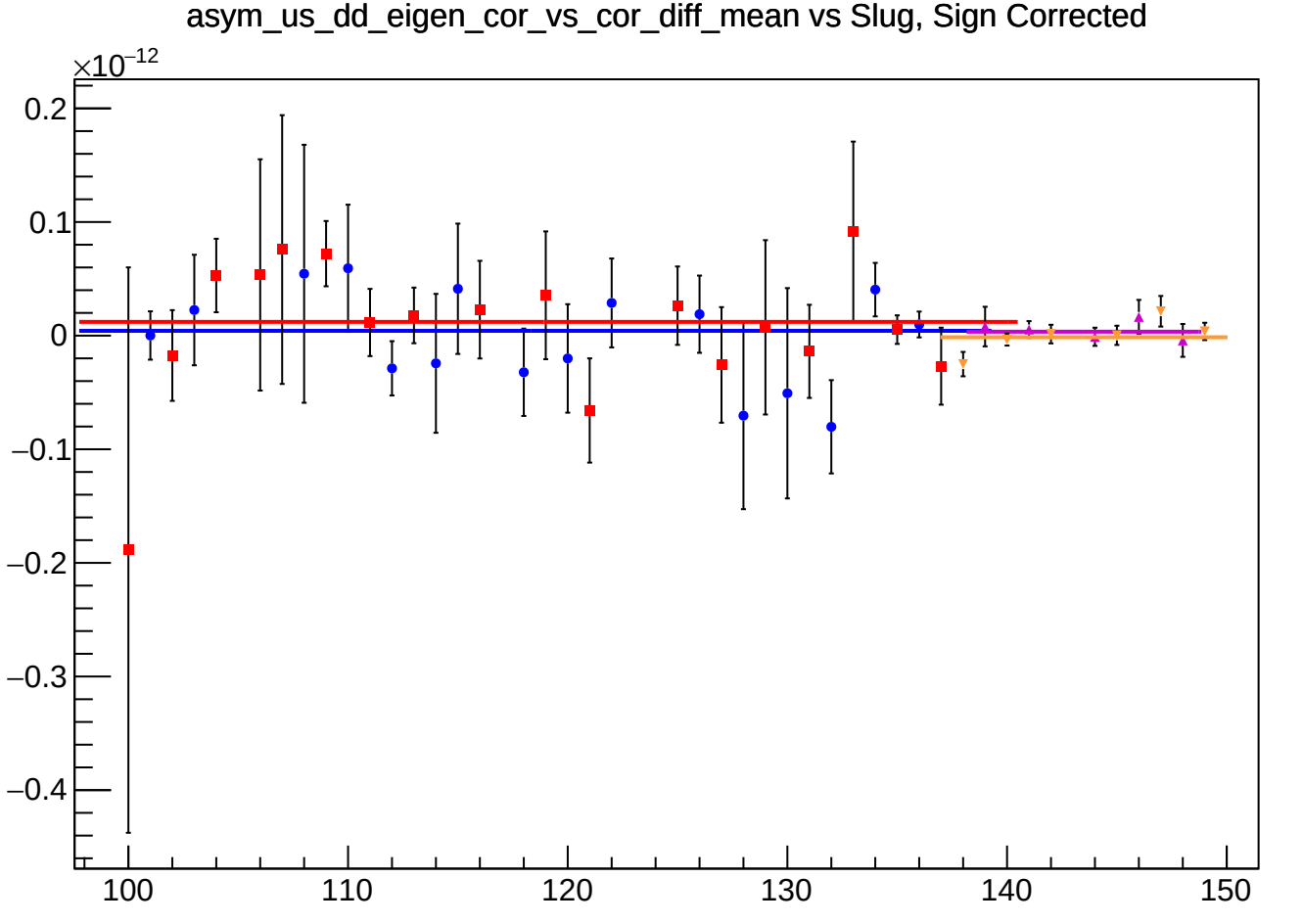
Left: 39.660+/-0.010 χ^2/NDF: 232914.9/10

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

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

Out: 40.578+/-0.009 χ^2/NDF:304376.4/23

All: 40.563+/-0.006 χ^2/NDF: 479100.5/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/5

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

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

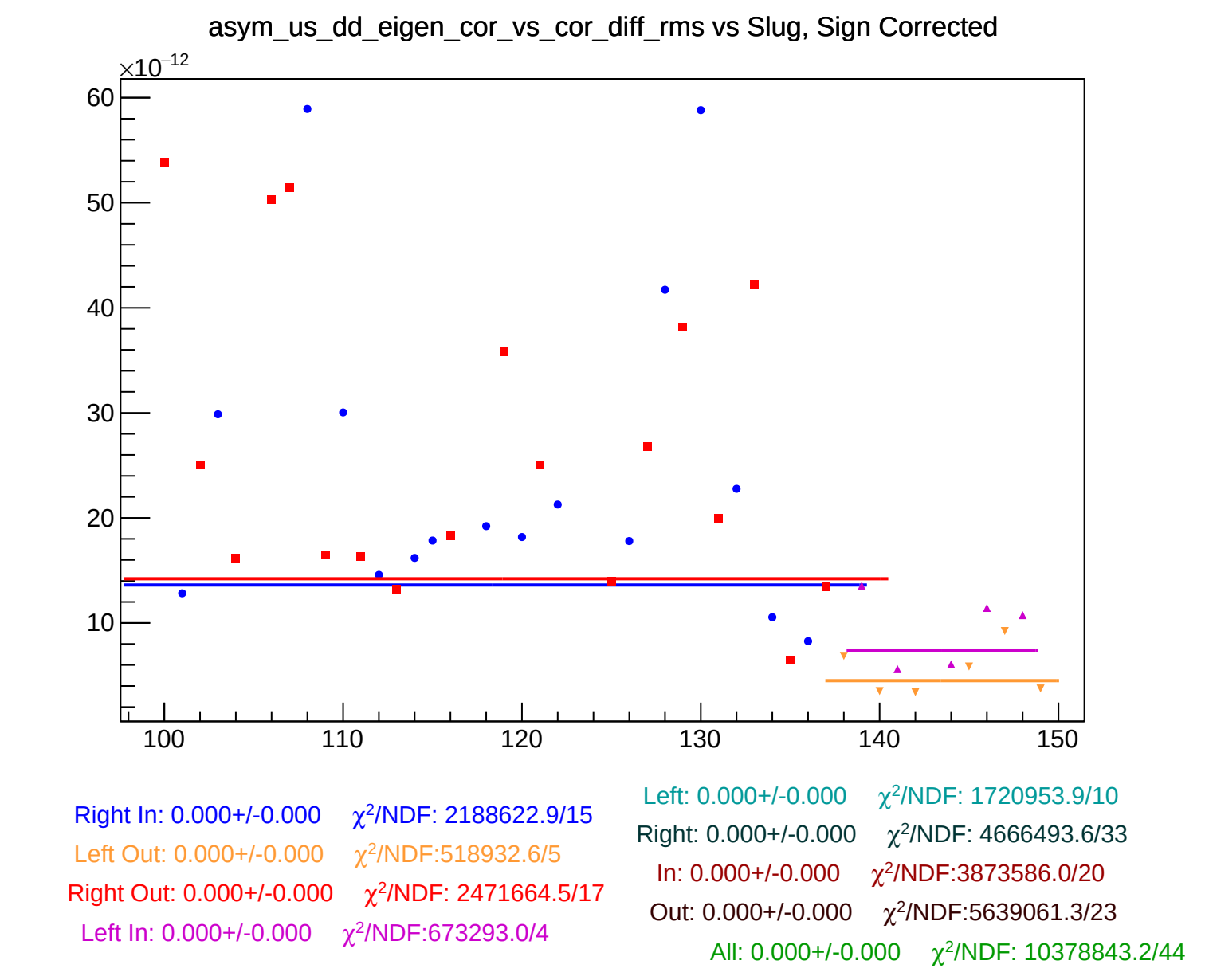
Left: 0.000+/-0.000 χ^2/NDF: 10.7/10

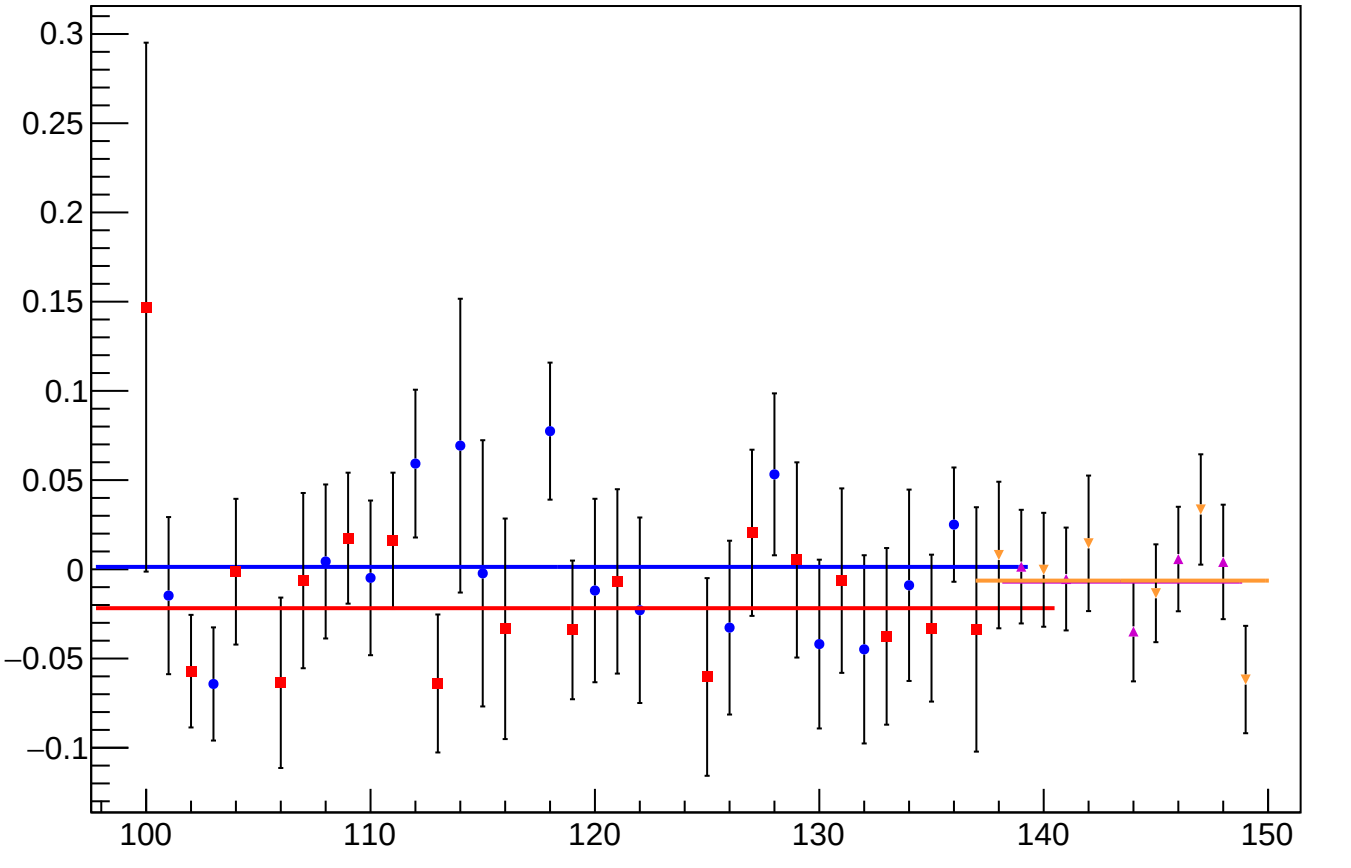
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:15.1/20

Out: 0.000+/-0.000 χ^2/NDF:25.6/23

All: 0.000+/-0.000 χ^2/NDF: 41.2/44


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:518932.6/5
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: 1720953.9/10
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:5639061.3/23
All: 0.000+/-0.000 χ²/NDF: 10378843.2/44



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

Left Out: -0.006+/-0.013 χ^2/NDF:5.6/5

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: -0.007+/-0.009 χ^2/NDF: 7.0/10

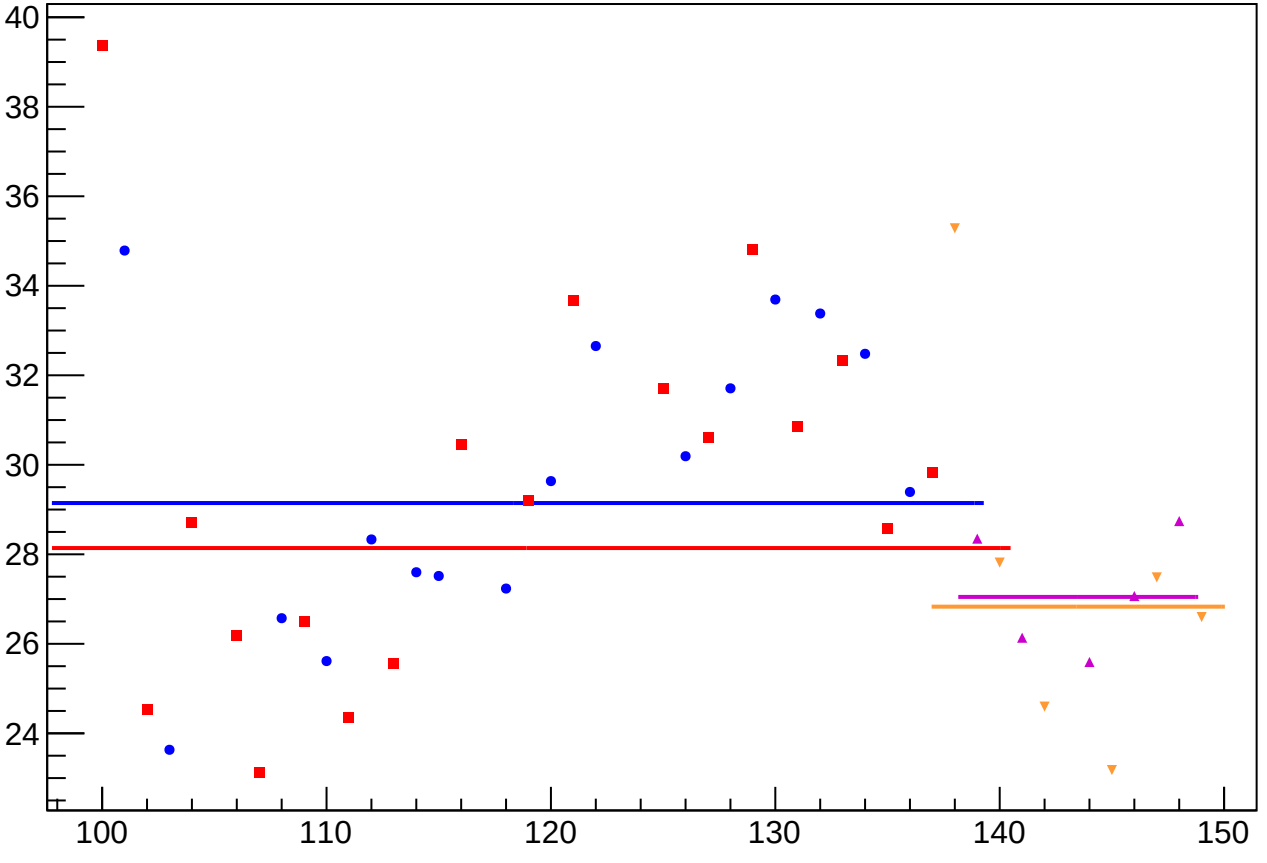
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.002+/-0.009 χ^2/NDF:16.9/20

Out: -0.016+/-0.008 χ^2/NDF:15.4/23

All: -0.009+/-0.006 χ^2/NDF: 33.6/44

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: 26.830+/-0.009 χ^2/NDF:130034.1/5

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: 26.938+/-0.007 χ^2/NDF: 146634.5/10

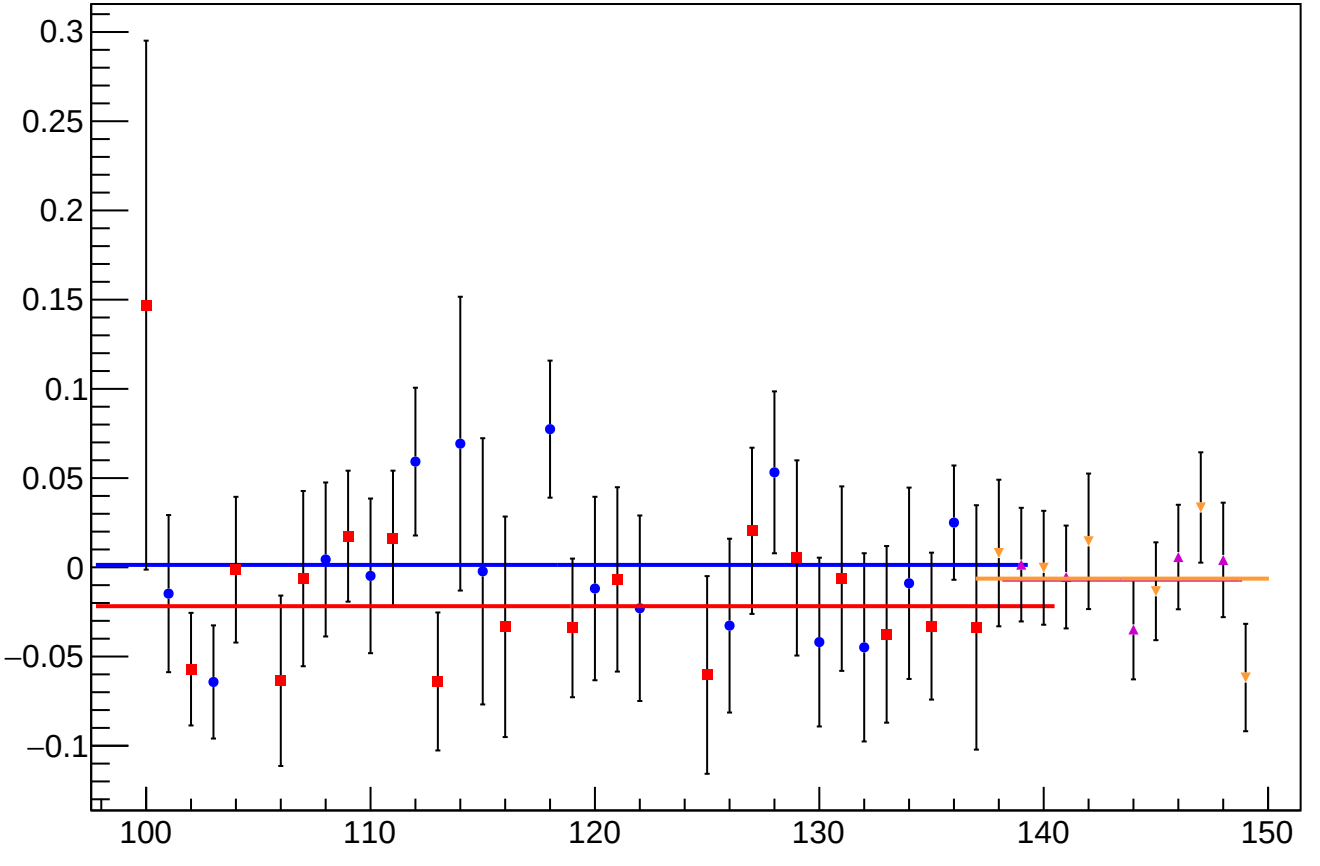
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.616+/-0.006 χ^2/NDF:328960.0/23

All: 27.938+/-0.004 χ^2/NDF: 557243.8/44

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.006+/-0.013 χ^2/NDF:5.6/5

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: -0.007+/-0.009 χ^2/NDF: 7.0/10

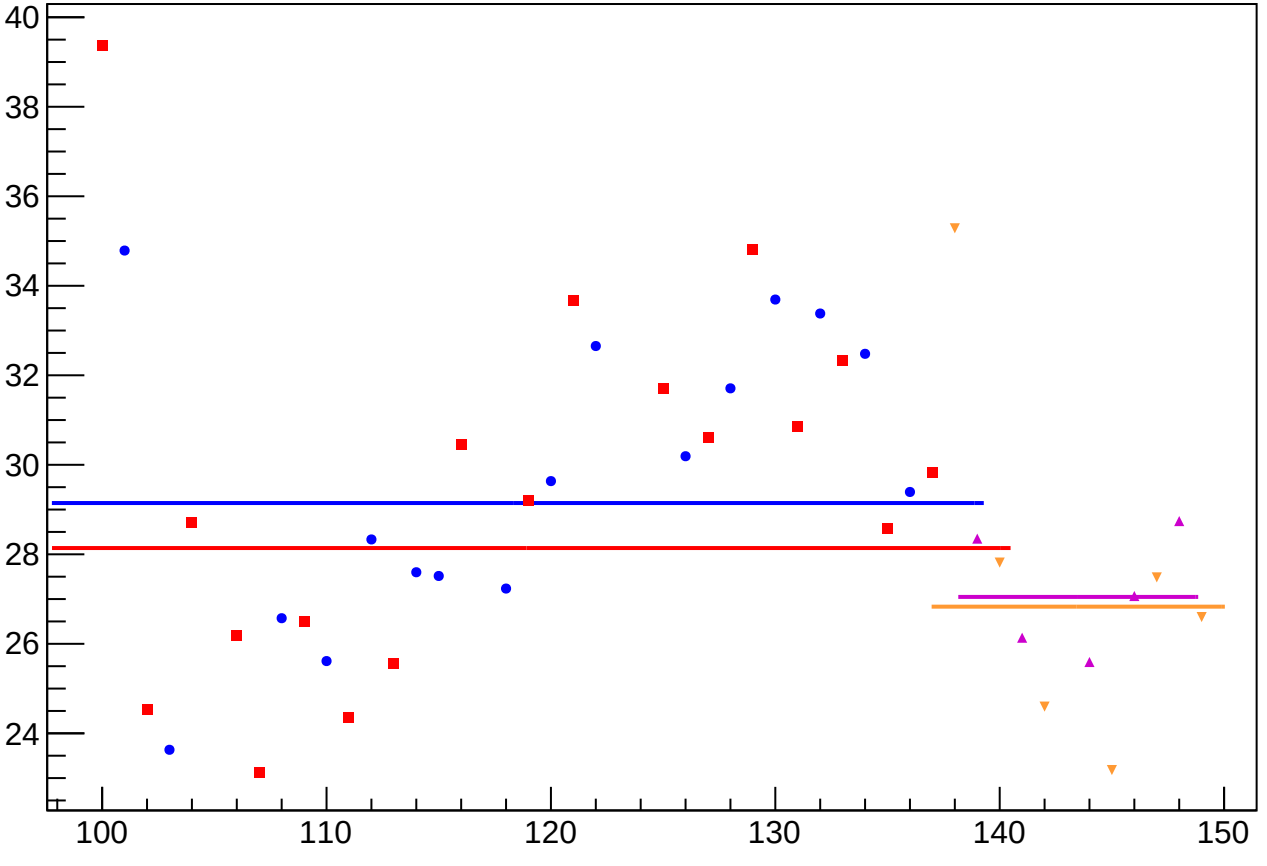
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.002+/-0.009 χ^2/NDF:16.9/20

Out: -0.016+/-0.008 χ^2/NDF:15.4/23

All: -0.009+/-0.006 χ^2/NDF: 33.6/44

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: 26.830+/-0.009 χ^2/NDF:130034.1/5

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: 26.938+/-0.007 χ^2/NDF: 146634.5/10

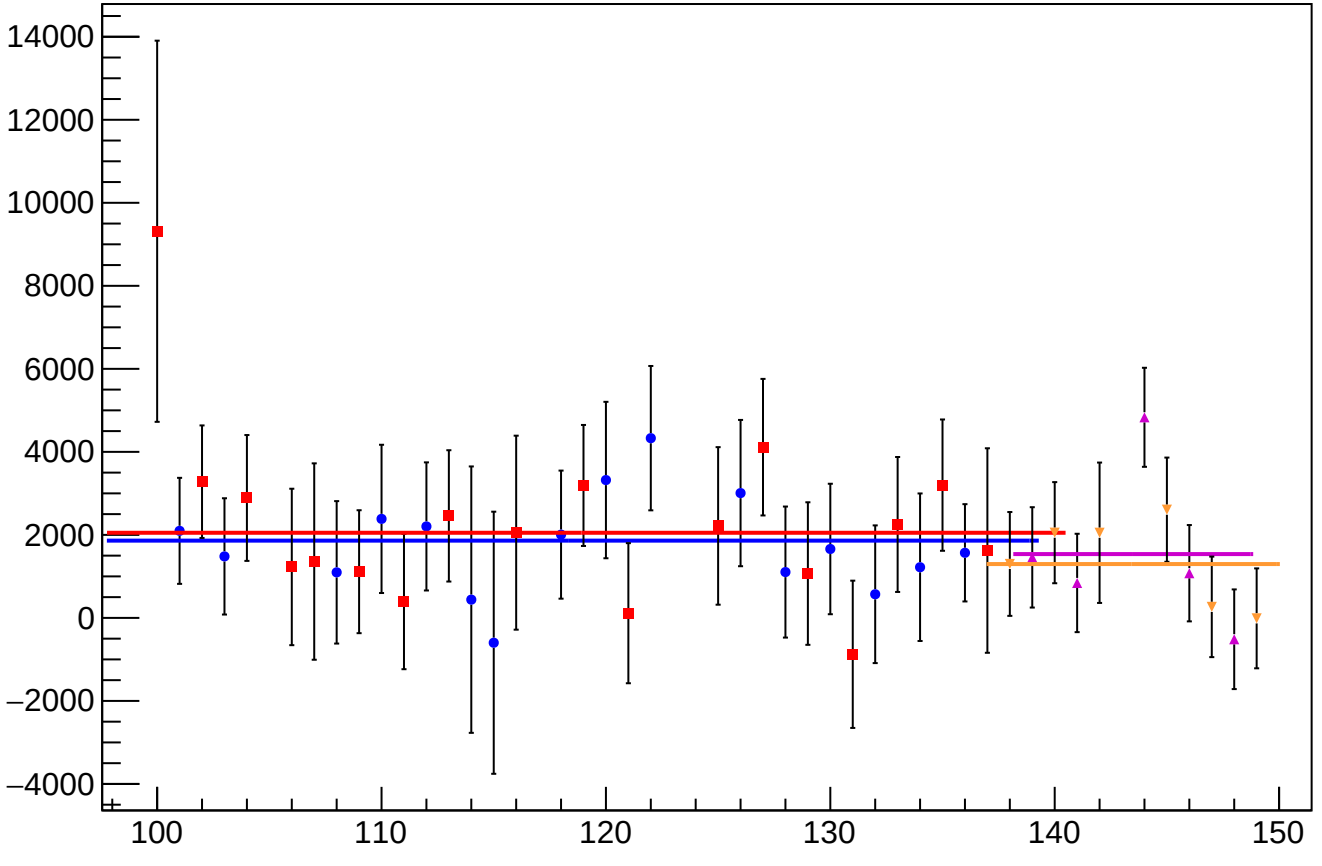
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.616+/-0.006 χ^2/NDF:328960.0/23

All: 27.938+/-0.004 χ^2/NDF: 557243.8/44

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1297.203+/-521.992 χ^2/NDF:3.6/5

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: 1415.082+/-372.526 χ^2/NDF: 14.7/10

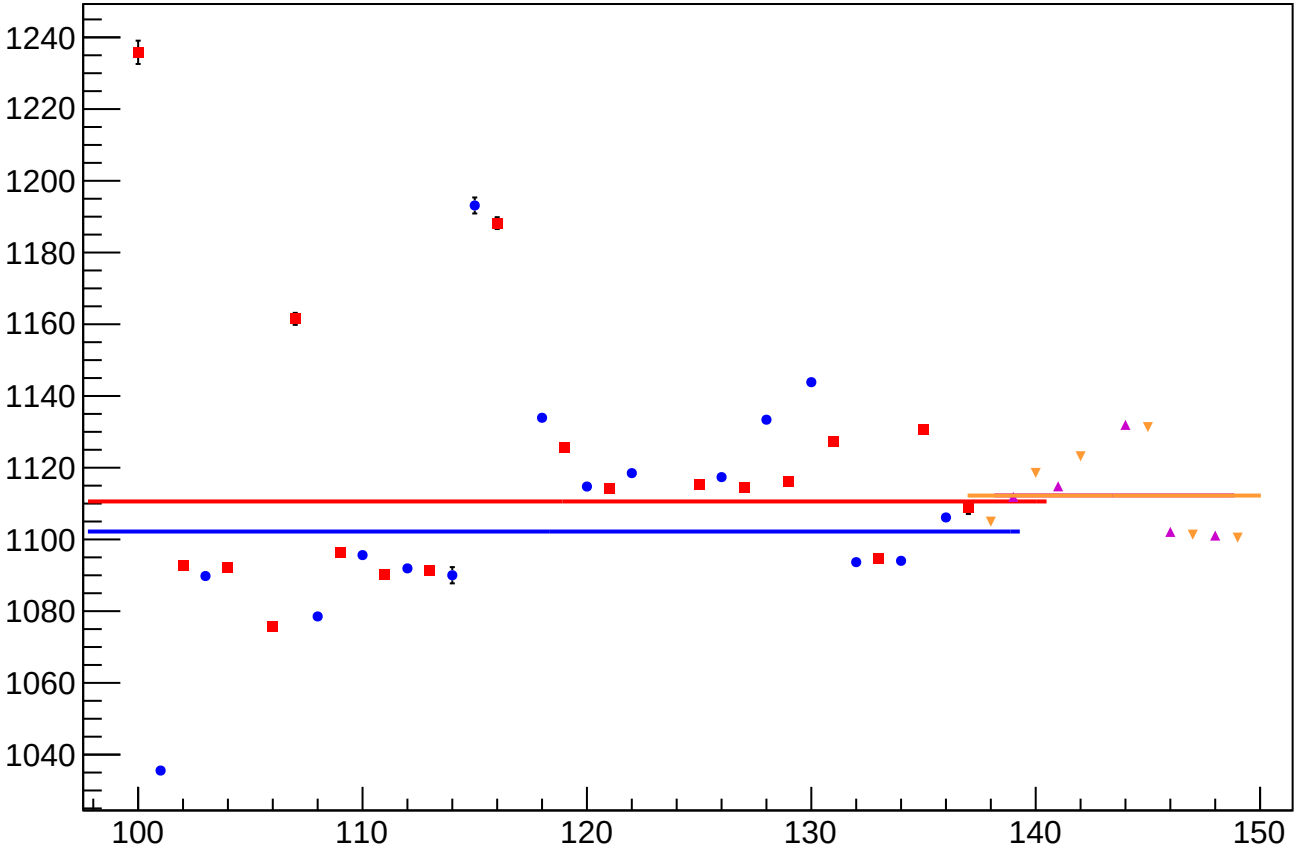
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1763.945+/-322.066 χ^2/NDF:17.4/23

All: 1752.500+/-228.580 χ^2/NDF: 34.0/44

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1112.233+/-0.369 χ^2/NDF:1020.1/5

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

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

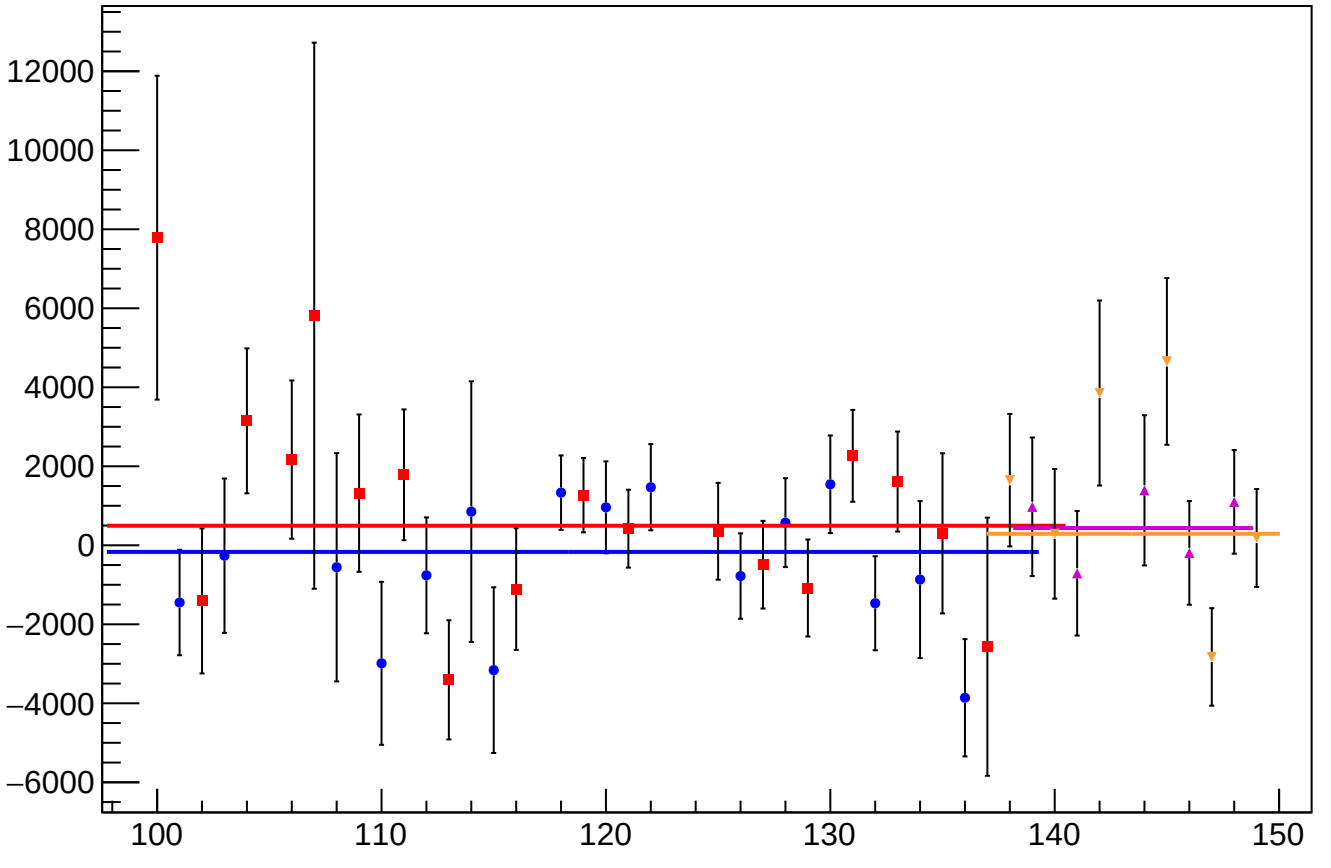
Left: 1112.257+/-0.263 χ^2/NDF: 1900.8/10

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

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

Out: 1111.216+/-0.228 χ^2/NDF:8728.4/23

All: 1108.606+/-0.162 χ^2/NDF: 21673.5/44



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

Left Out: 290.404+/-640.015 χ^2/NDF:13.6/5

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: 358.745+/-465.913 χ^2/NDF: 15.0/10

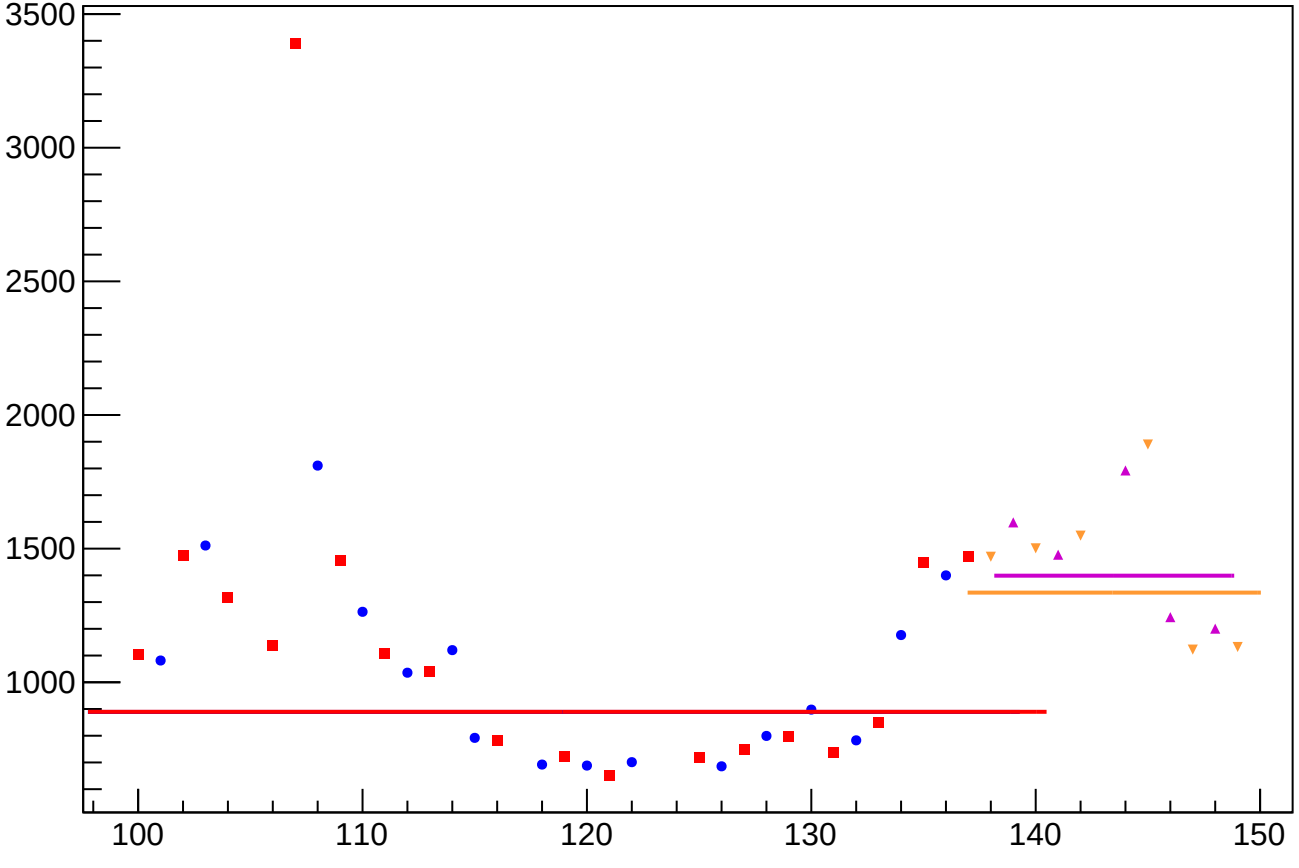
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -43.932+/-307.939 χ^2/NDF:23.0/20

Out: 449.057+/-303.725 χ^2/NDF:37.0/23

All: 205.959+/-216.241 χ^2/NDF: 61.3/44

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1335.483+/-0.453 χ^2/NDF:301200.9/5

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: 1365.254+/-0.329 χ^2/NDF: 500534.5/10

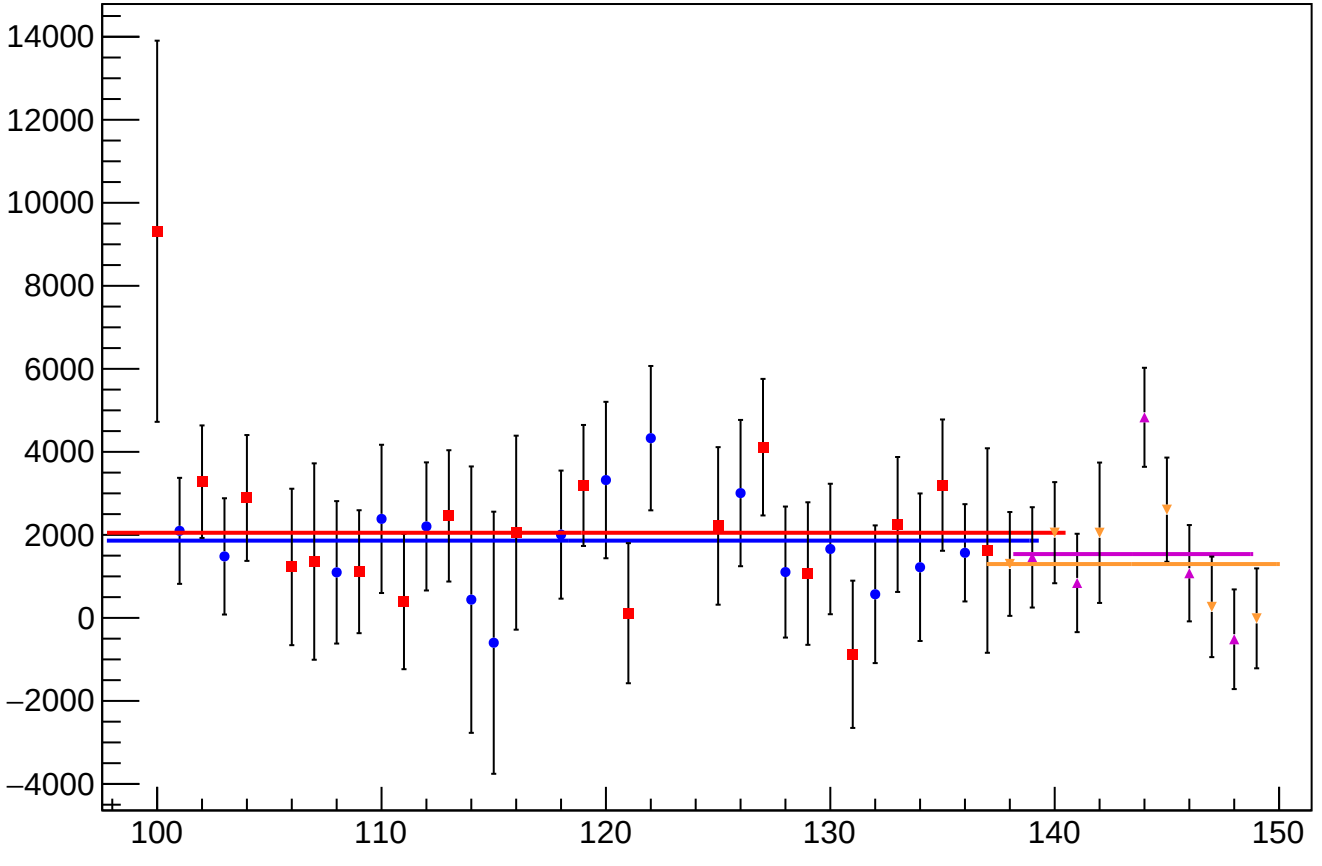
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 989.921+/-0.215 χ^2/NDF:2399466.2/23

All: 991.760+/-0.153 χ^2/NDF: 4617166.5/44

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1297.203+/-521.992 χ^2/NDF:3.6/5

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

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

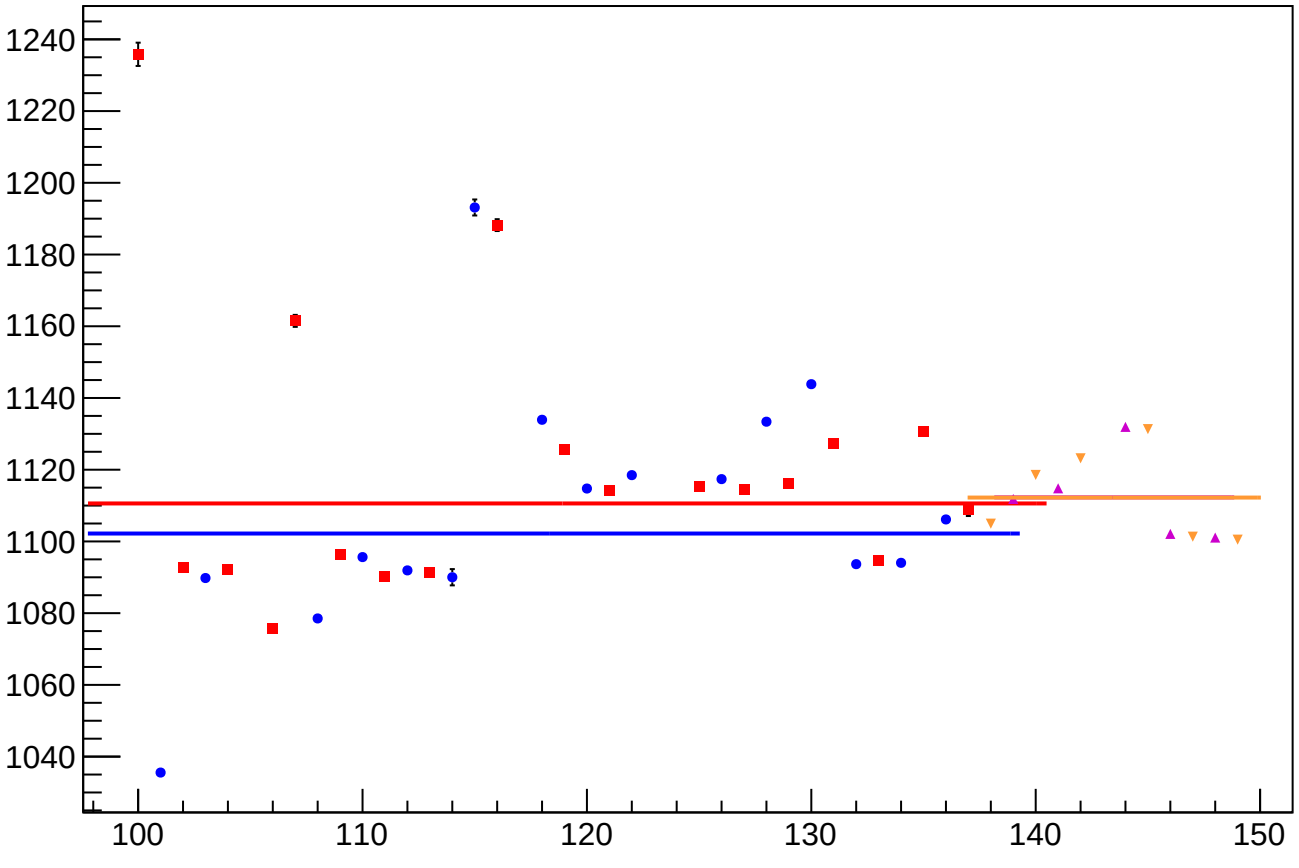
Left: 1415.082+/-372.526 χ^2/NDF: 14.7/10

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

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

Out: 1763.945+/-322.066 χ^2/NDF:17.4/23

All: 1752.500+/-228.580 χ^2/NDF: 34.0/44



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

Left Out: 1112.233+/-0.369 χ^2/NDF:1020.1/5

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

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

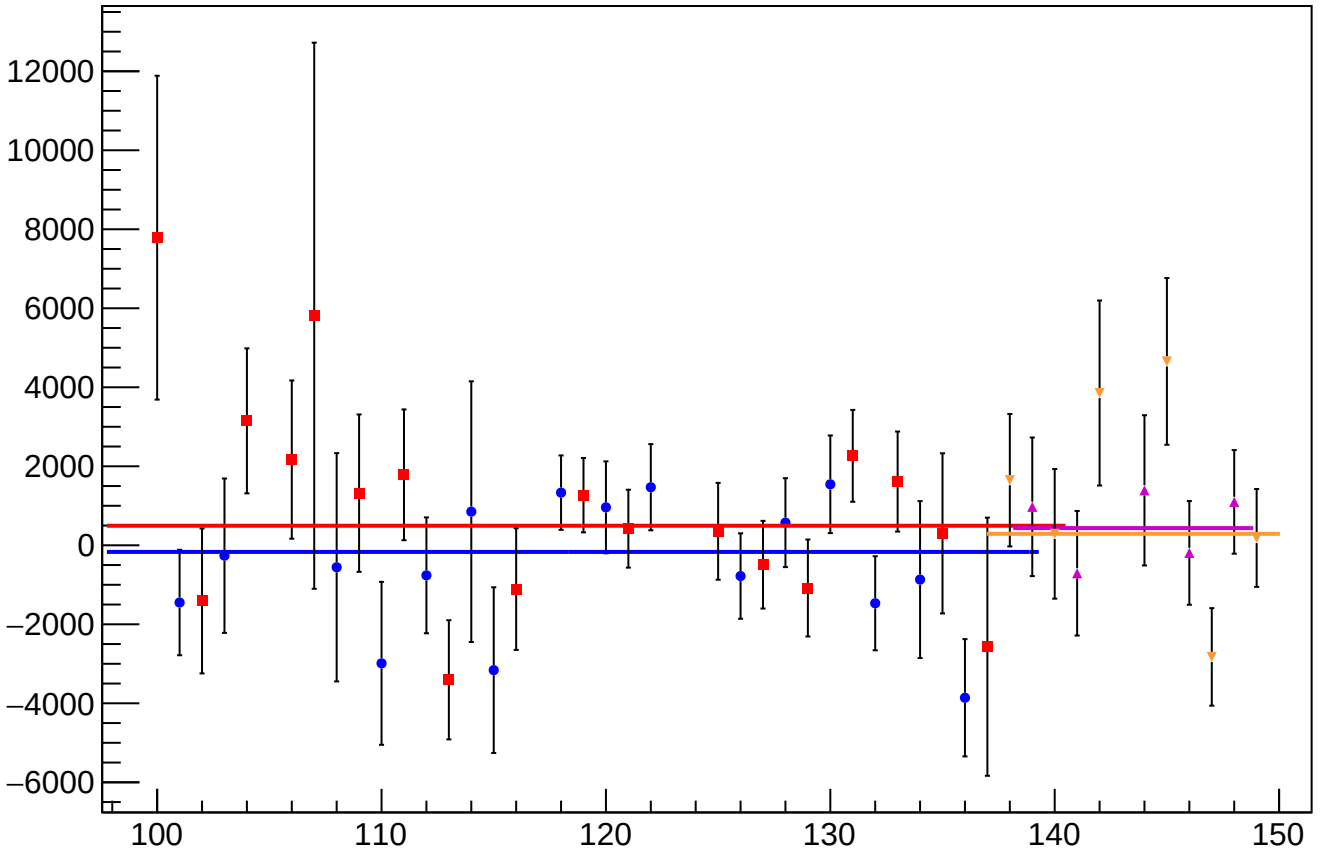
Left: 1112.257+/-0.263 χ^2/NDF: 1900.8/10

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

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

Out: 1111.216+/-0.228 χ^2/NDF:8728.4/23

All: 1108.606+/-0.162 χ^2/NDF: 21673.5/44



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

Left Out: 290.404+/-640.015 χ^2/NDF:13.6/5

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: 358.745+/-465.913 χ^2/NDF: 15.0/10

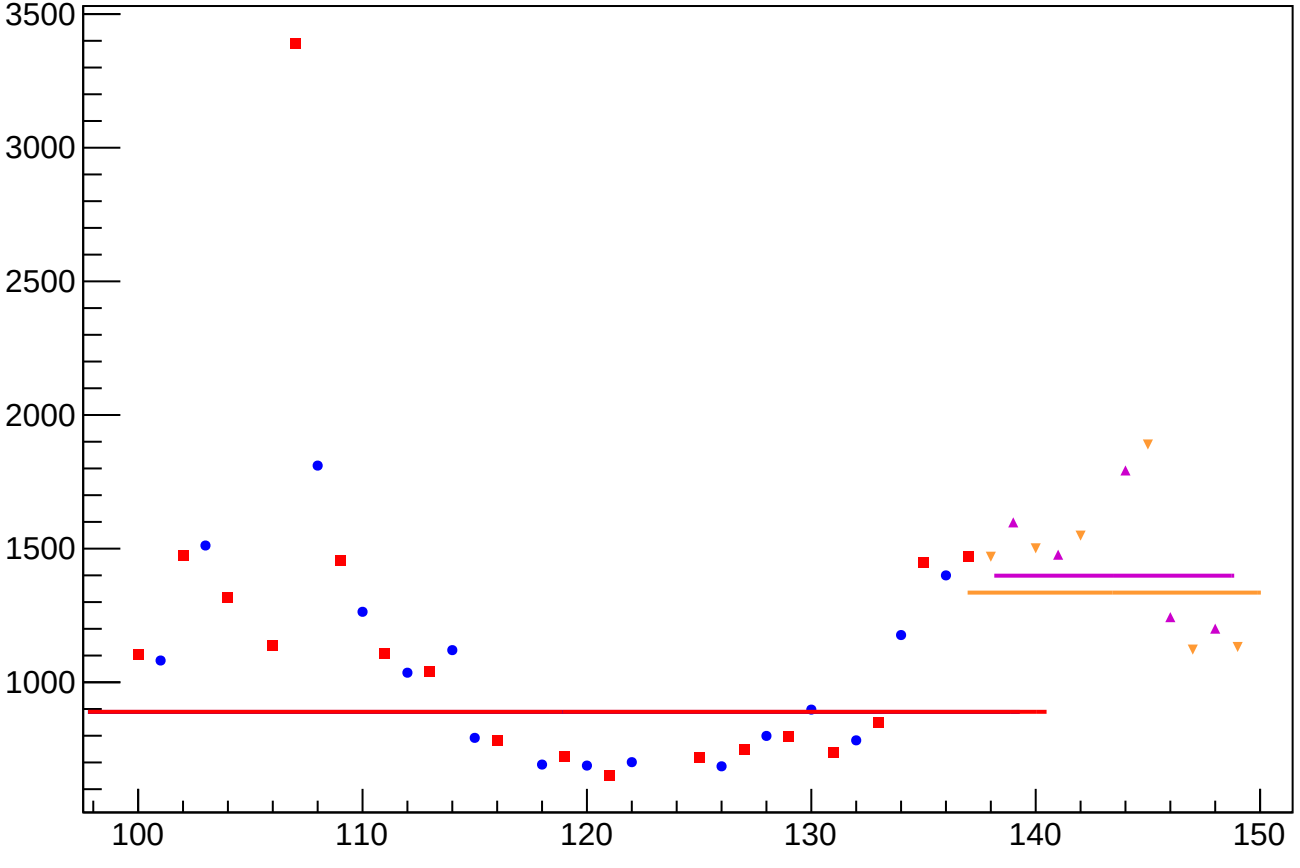
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -43.932+/-307.939 χ^2/NDF:23.0/20

Out: 449.057+/-303.725 χ^2/NDF:37.0/23

All: 205.959+/-216.241 χ^2/NDF: 61.3/44

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1335.483+/-0.453 χ^2/NDF:301200.9/5

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

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

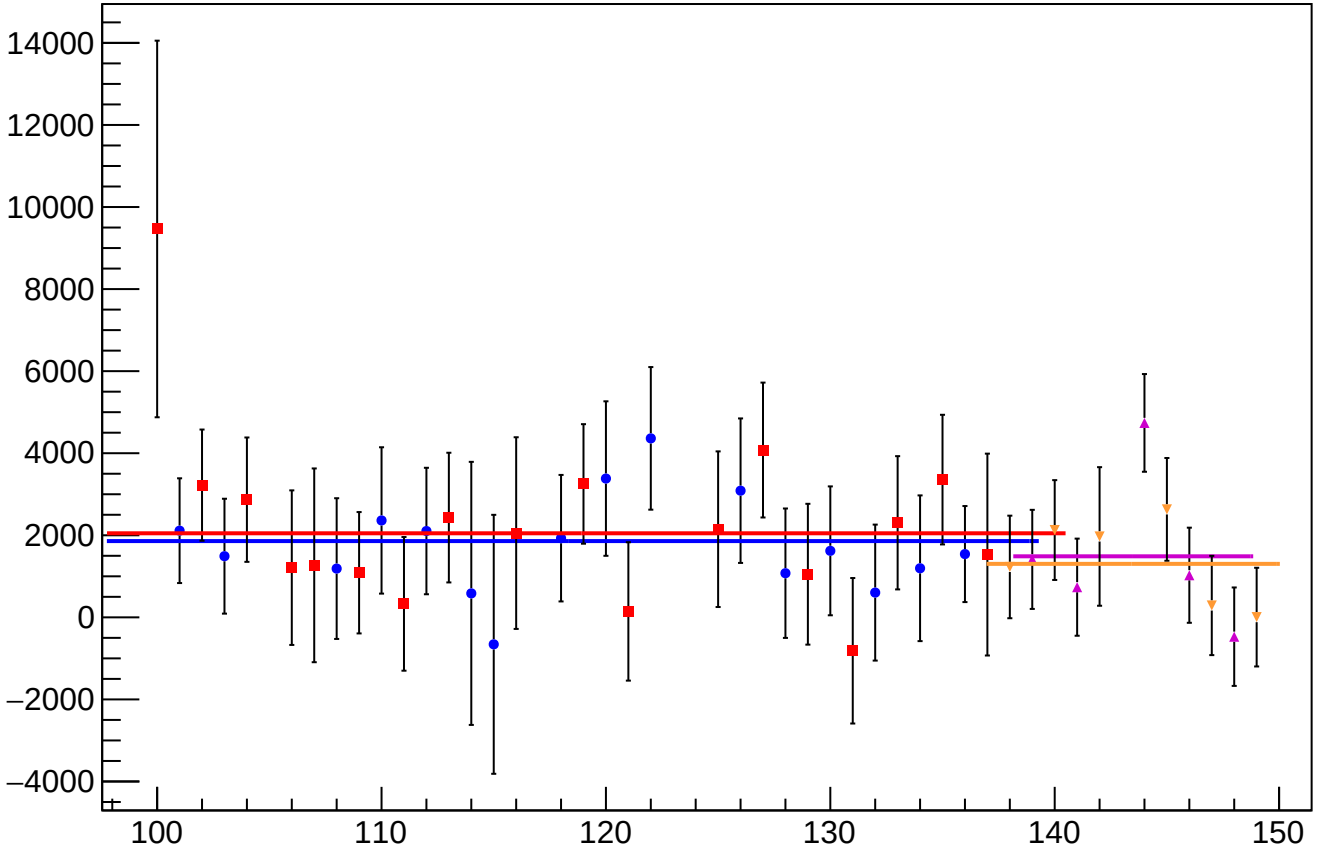
Left: 1365.254+/-0.329 χ^2/NDF: 500534.5/10

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

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

Out: 989.921+/-0.215 χ^2/NDF:2399466.2/23

All: 991.760+/-0.153 χ^2/NDF: 4617166.5/44



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

Left Out: 1303.382+/-521.360 χ^2/NDF:3.6/5

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: 1393.763+/-372.075 χ^2/NDF: 14.4/10

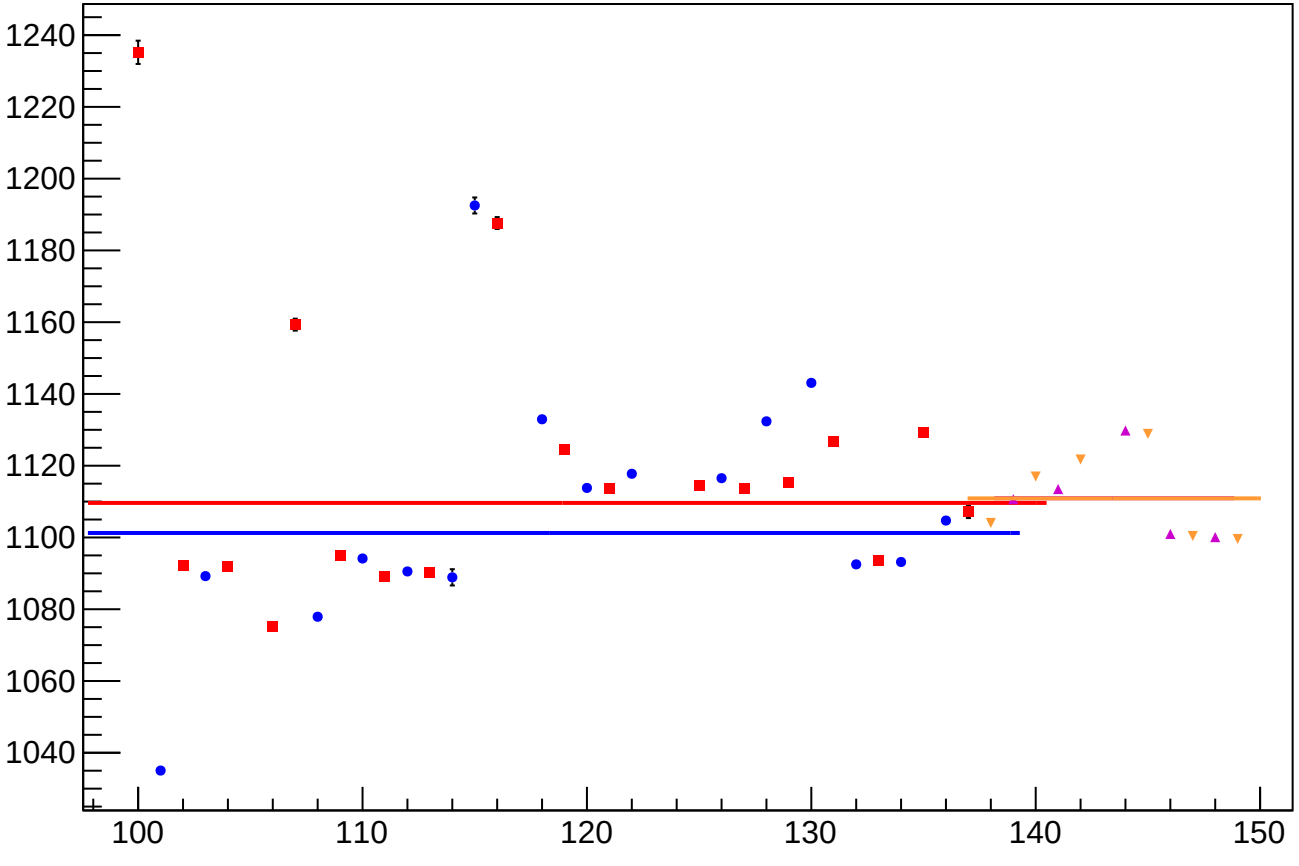
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

Out: 1764.835+/-321.744 χ^2/NDF:17.6/23

All: 1742.821+/-228.352 χ^2/NDF: 34.1/44

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.895+/-0.369 χ^2/NDF:931.1/5

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

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

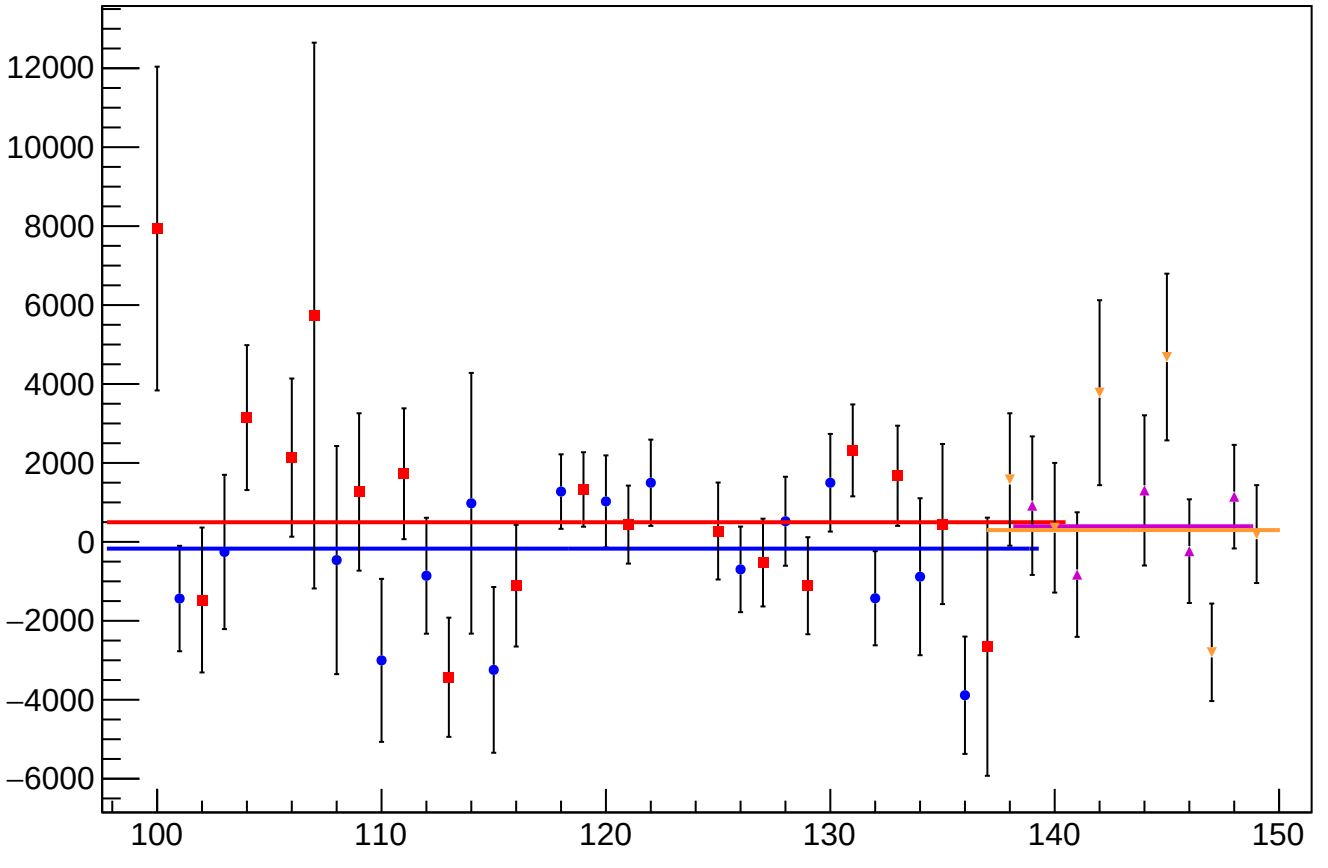
Left: 1110.917+/-0.263 χ^2/NDF: 1753.7/10

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

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

Out: 1110.111+/-0.228 χ^2/NDF:8611.5/23

All: 1107.506+/-0.161 χ^2/NDF: 21423.9/44



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

Left Out: 298.885+/-640.487 χ^2/NDF:13.4/5

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

Left In: 395.250+/-680.042 χ^2/NDF:1.5/4

Left: 344.184+/-466.250 χ^2/NDF: 14.9/10

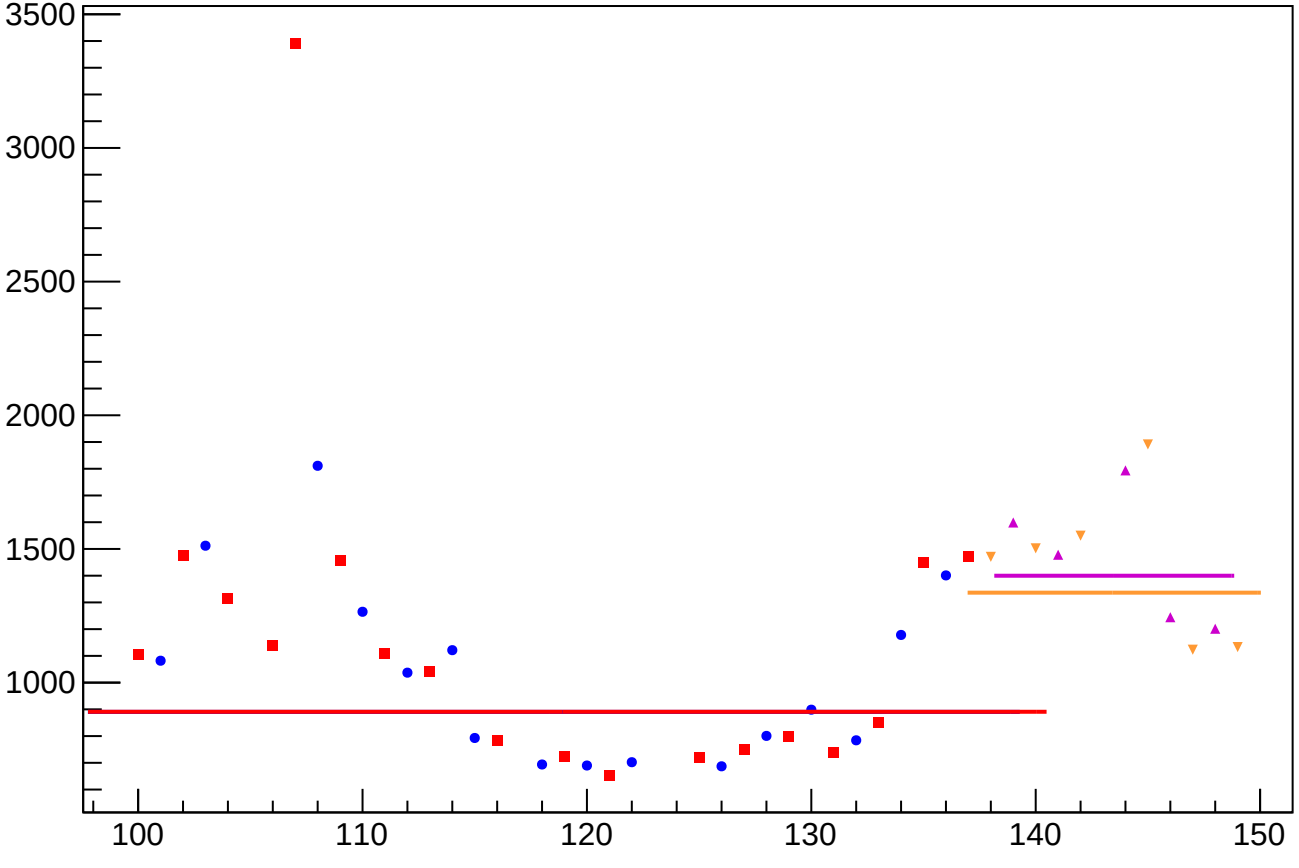
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -54.513+/-308.366 χ^2/NDF:22.9/20

Out: 453.073+/-304.124 χ^2/NDF:37.4/23

All: 202.795+/-216.532 χ^2/NDF: 61.7/44

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1336.491+/-0.453 χ^2/NDF:301040.4/5

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: 1366.259+/-0.330 χ^2/NDF: 500243.8/10

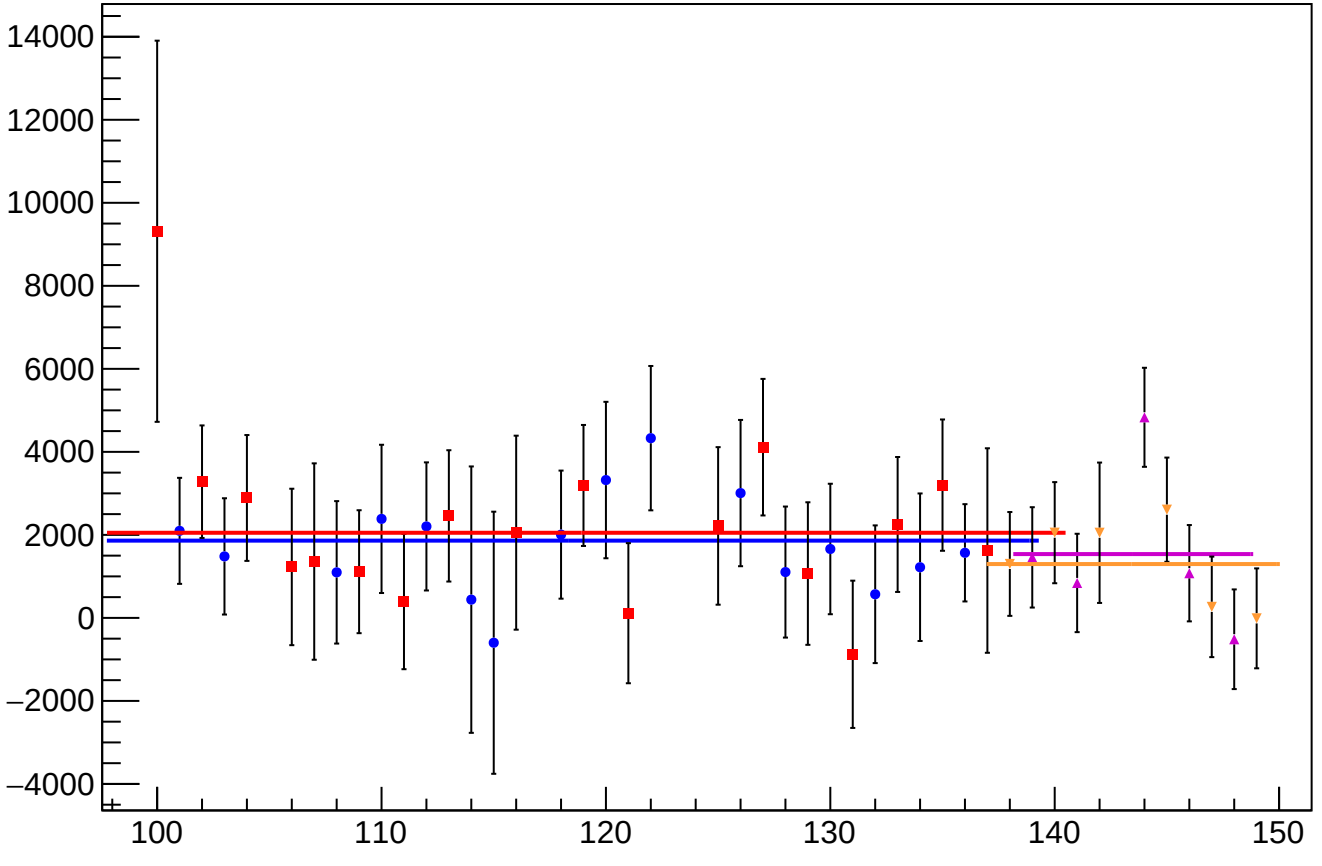
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

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

Out: 991.395+/-0.215 χ^2/NDF:2392474.1/23

All: 993.281+/-0.153 χ^2/NDF: 4602583.6/44

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1297.203+/-521.992 χ^2/NDF:3.6/5

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: 1415.082+/-372.526 χ^2/NDF: 14.7/10

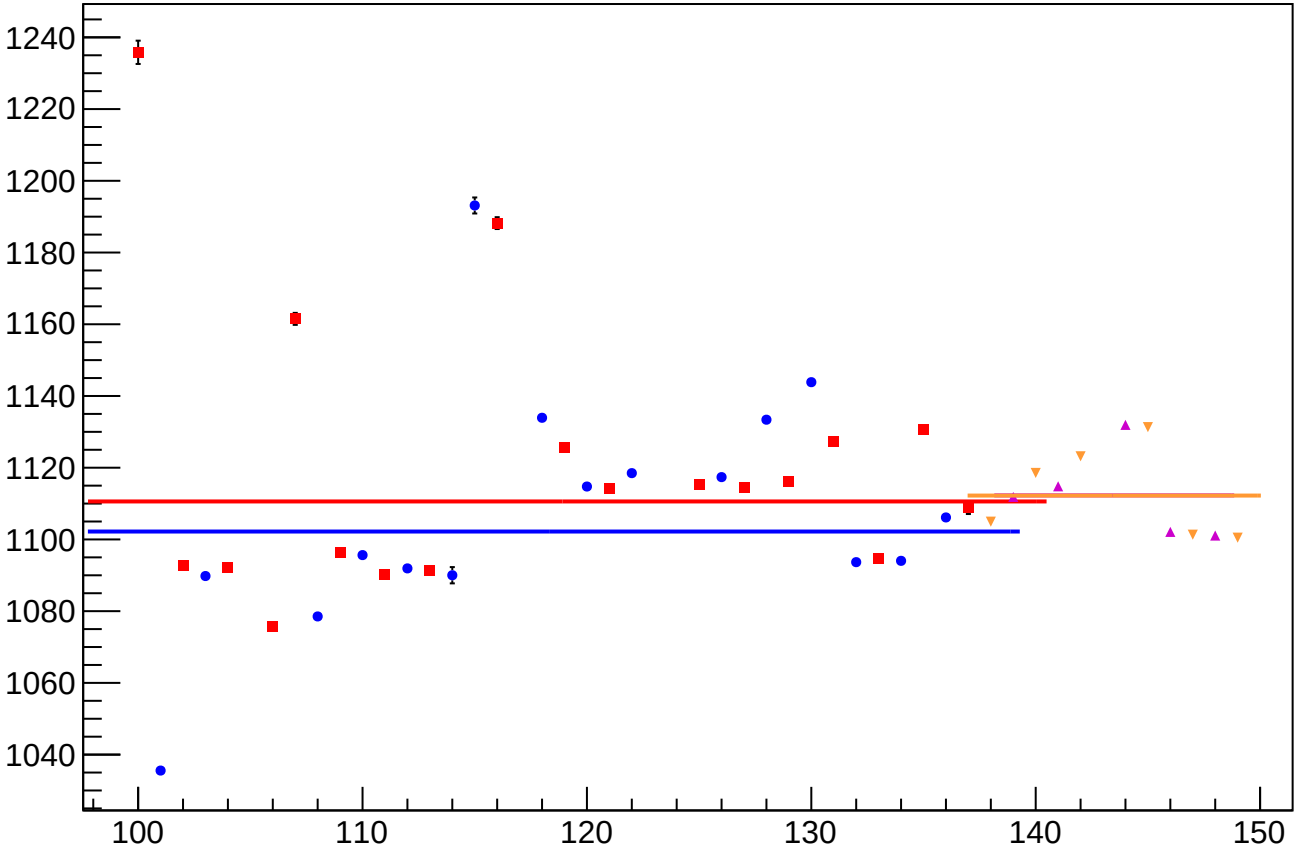
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1763.945+/-322.066 χ^2/NDF:17.4/23

All: 1752.500+/-228.580 χ^2/NDF: 34.0/44

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1112.233+/-0.369 χ^2/NDF:1020.1/5

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

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

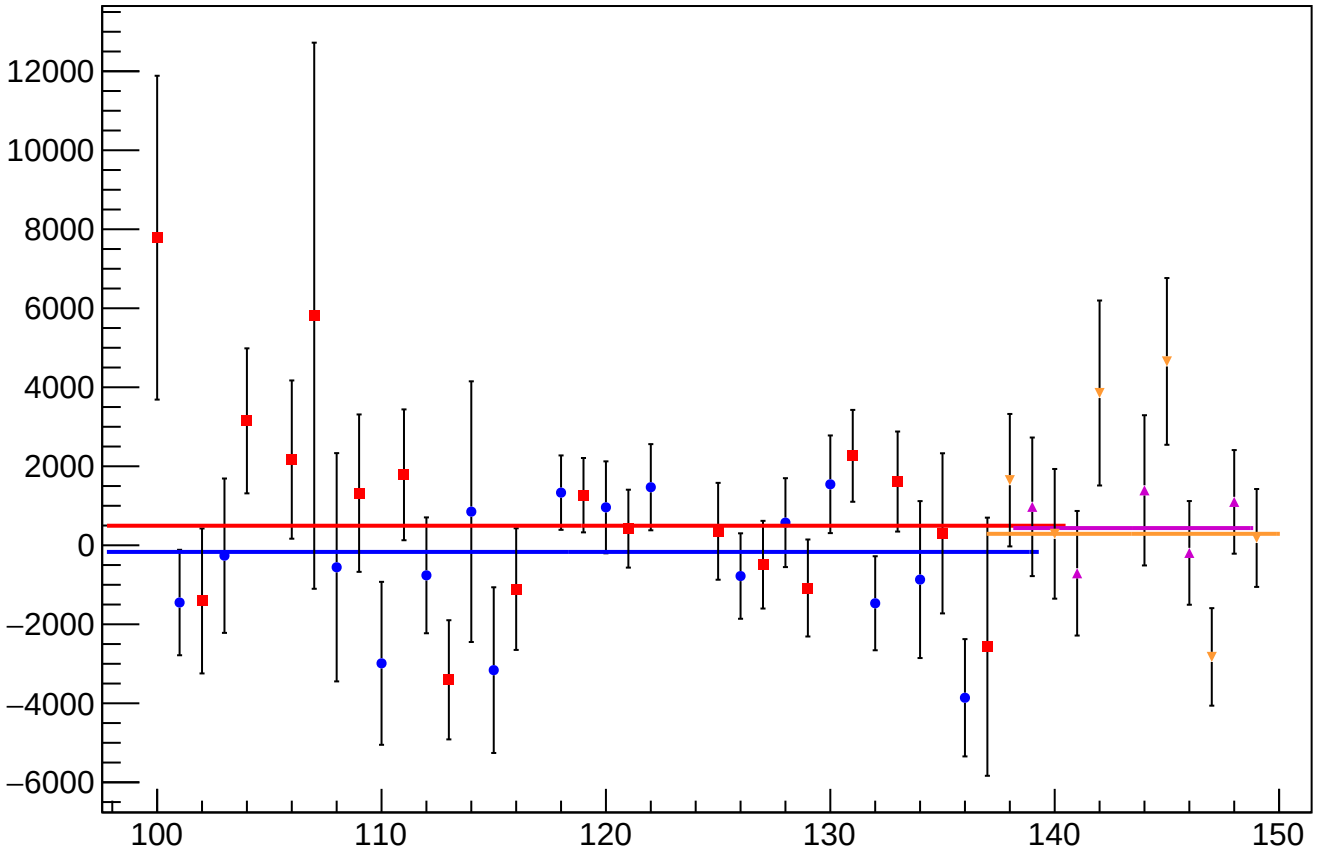
Left: 1112.257+/-0.263 χ^2/NDF: 1900.8/10

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

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

Out: 1111.216+/-0.228 χ^2/NDF:8728.4/23

All: 1108.606+/-0.162 χ^2/NDF: 21673.5/44



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

Left Out: 290.404+/-640.015 χ^2/NDF:13.6/5

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

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

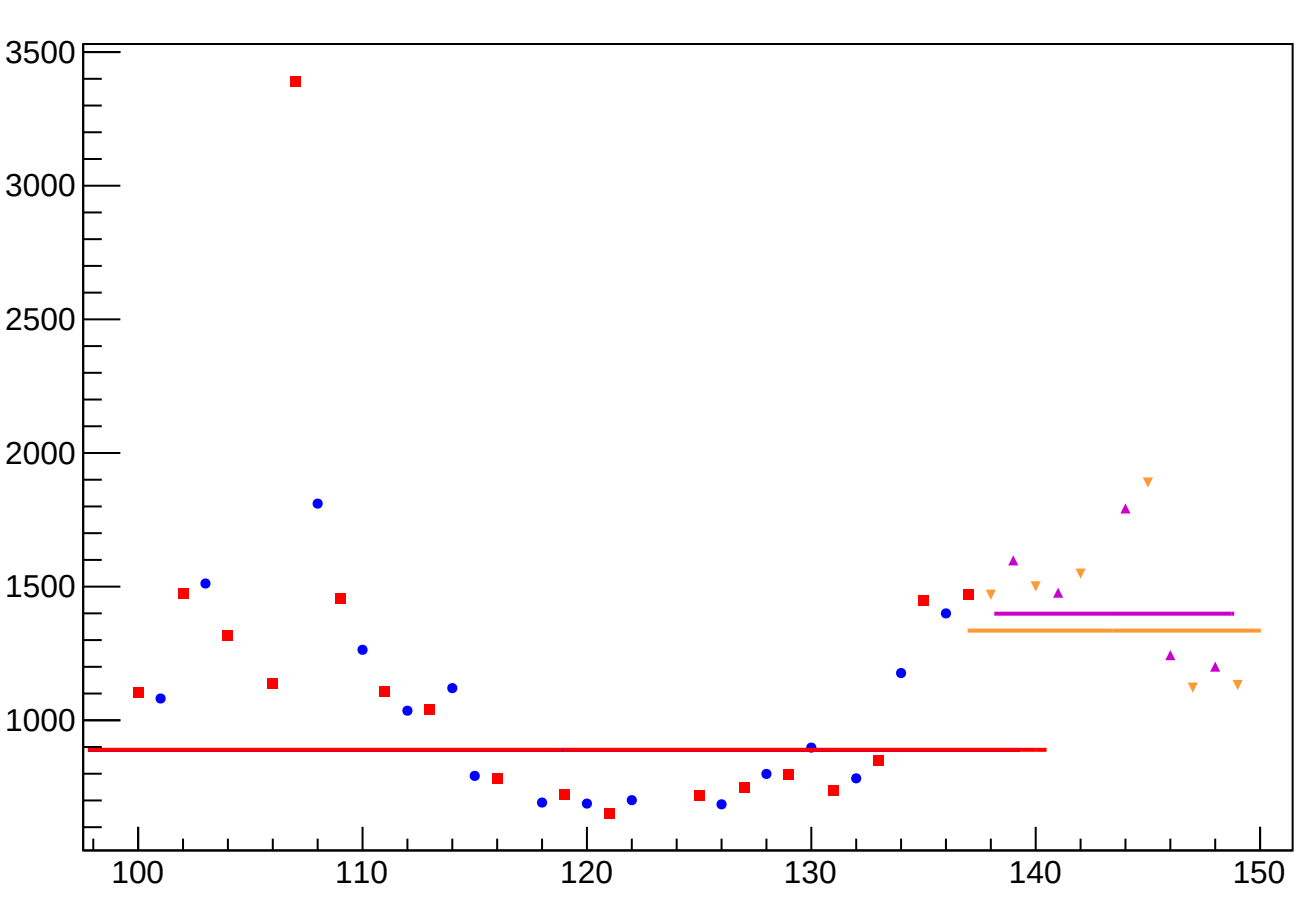
Left: 358.745+/-465.913 χ^2/NDF: 15.0/10

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

In: -43.932+/-307.939 χ^2/NDF:23.0/20

Out: 449.057+/-303.725 χ^2/NDF:37.0/23

All: 205.959+/-216.241 χ^2/NDF: 61.3/44



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

Left Out: 1335.483+/-0.453 χ^2/NDF:301200.9/5

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: 1365.254+/-0.329 χ^2/NDF: 500534.5/10

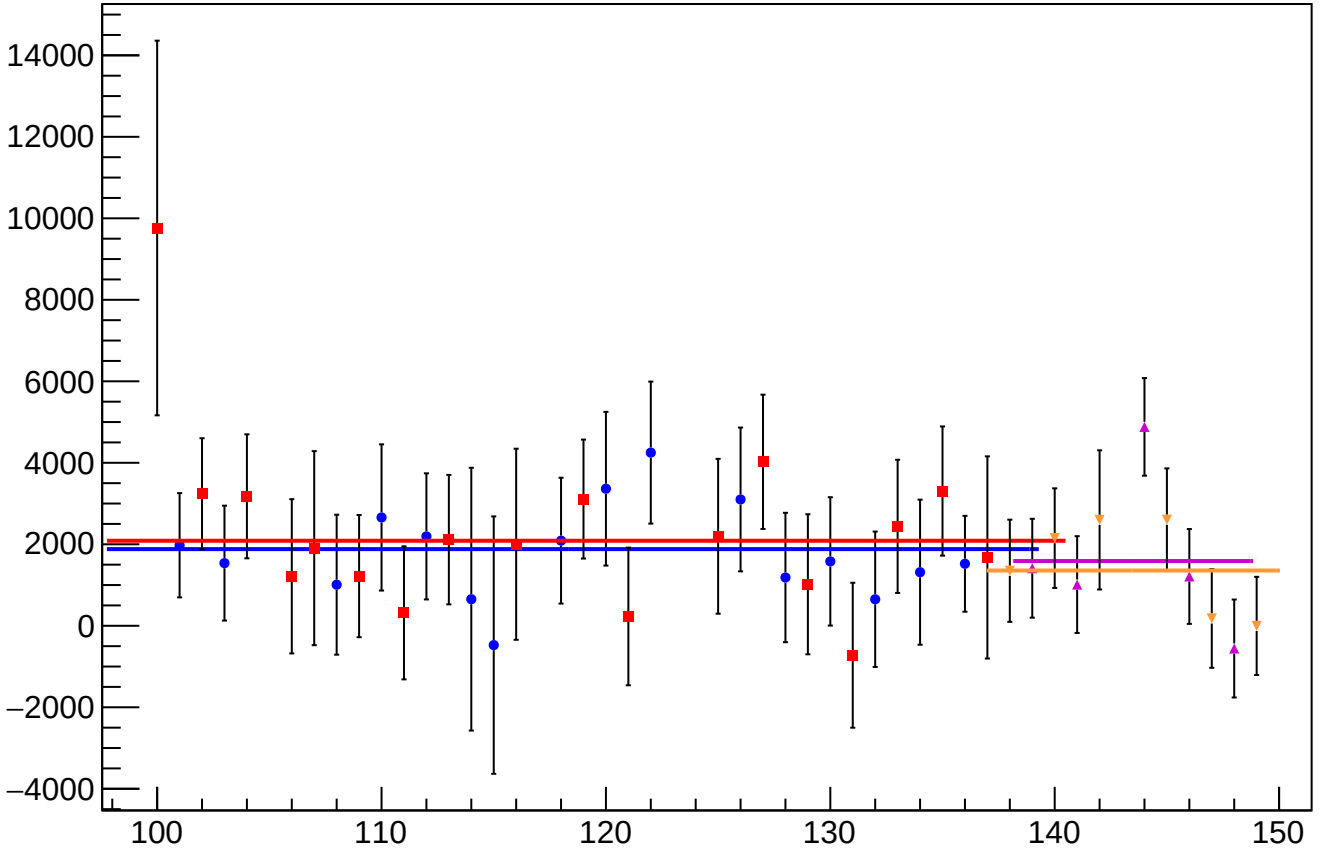
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 989.921+/-0.215 χ^2/NDF:2399466.2/23

All: 991.760+/-0.153 χ^2/NDF: 4617166.5/44

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1356.765+/-523.580 χ^2/NDF:4.1/5

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: 1470.705+/-373.624 χ^2/NDF: 15.4/10

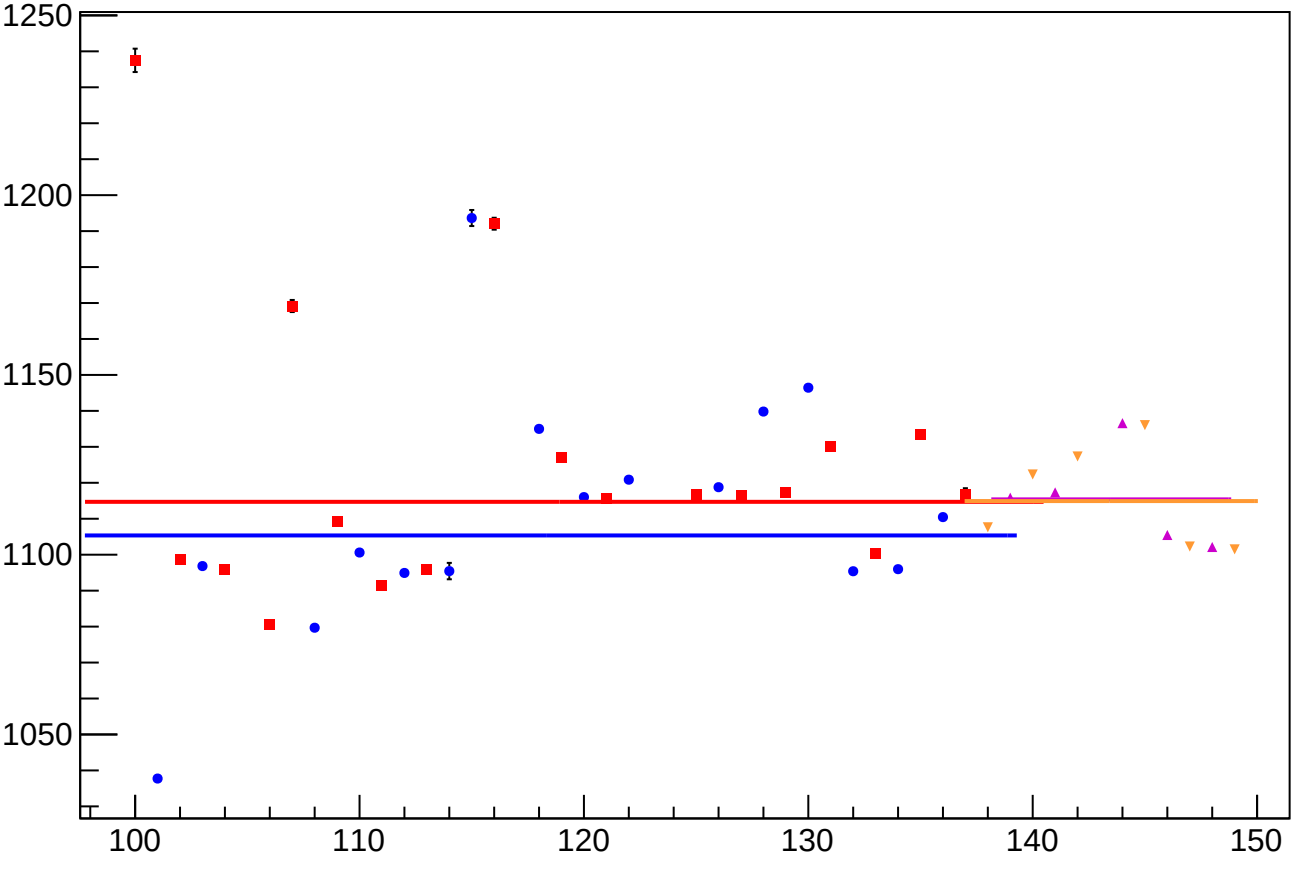
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

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

Out: 1808.699+/-323.188 χ^2/NDF:17.7/23

All: 1790.773+/-229.306 χ^2/NDF: 34.2/44

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.915+/-0.370 χ^2/NDF:1274.2/5

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: 1115.147+/-0.264 χ^2/NDF: 2294.9/10

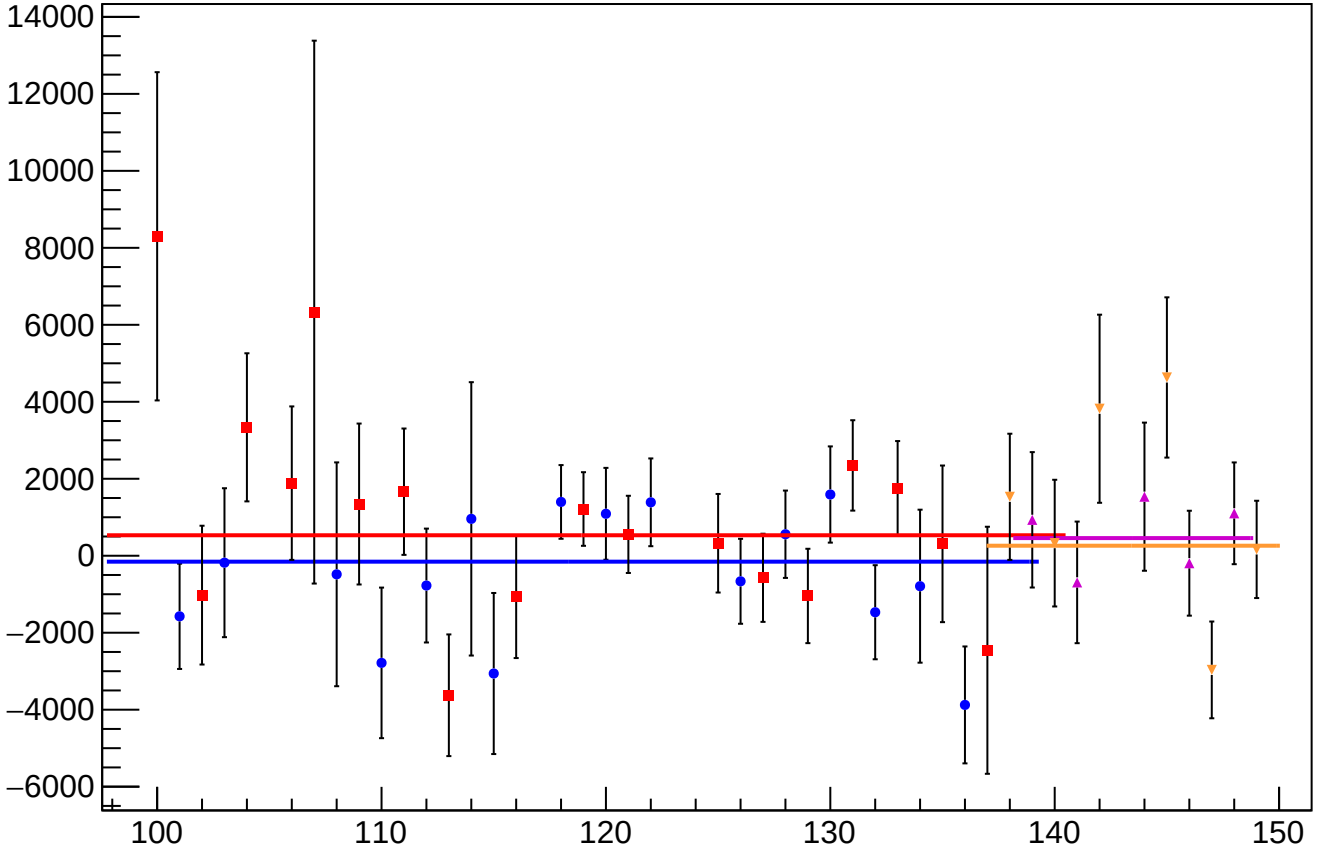
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

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

Out: 1114.785+/-0.229 χ^2/NDF:8604.7/23

All: 1111.957+/-0.162 χ^2/NDF: 21708.2/44

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: 260.534+/-645.676 χ^2/NDF:13.7/5

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

Left In: 458.549+/-689.303 χ^2/NDF:1.4/4

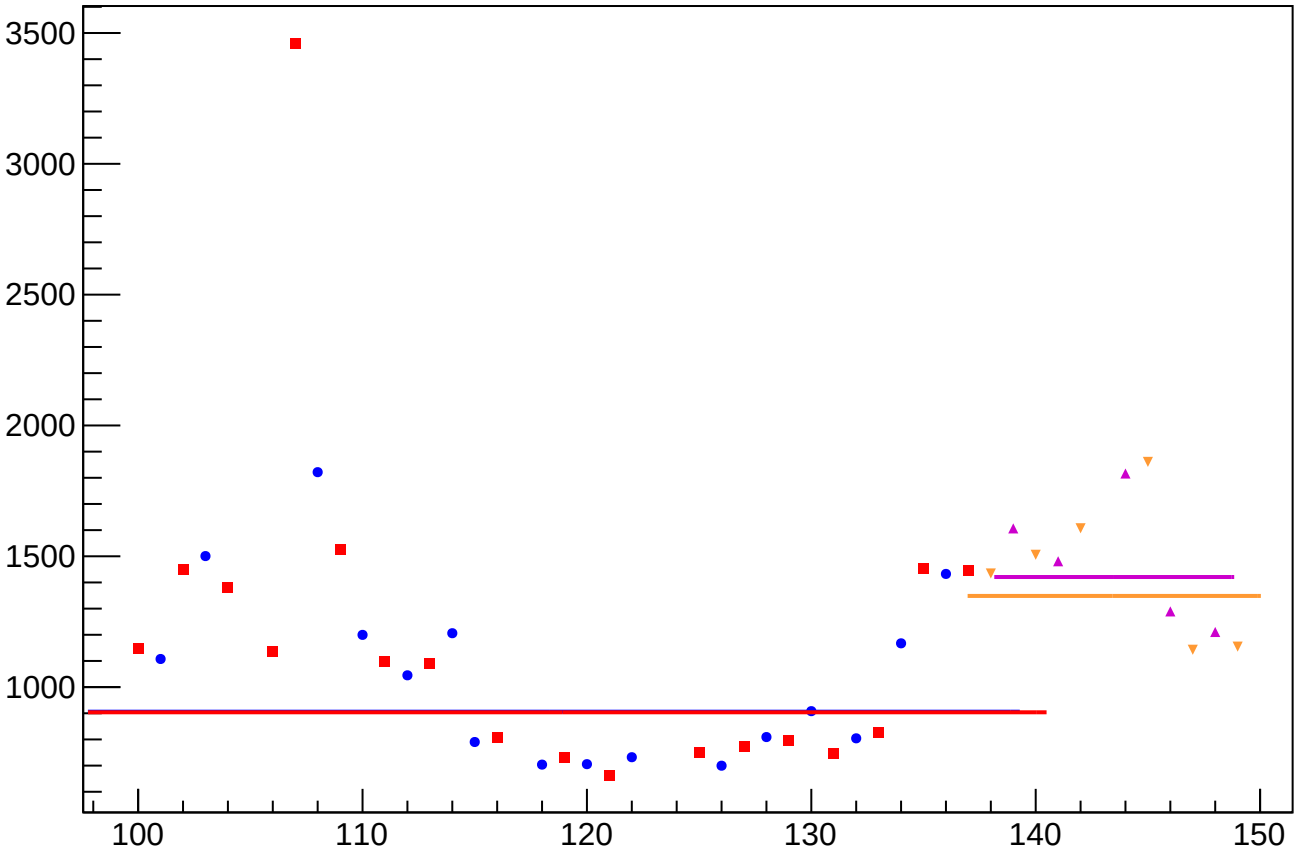
Left: 353.077+/-471.231 χ^2/NDF: 15.2/10

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

In: -27.691+/-313.008 χ^2/NDF:22.5/20

Out: 470.358+/-307.977 χ^2/NDF:37.1/23

All: 225.368+/-219.530 χ^2/NDF: 60.8/44



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

Left Out: 1348.494+/-0.457 χ^2/NDF:267838.0/5

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

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

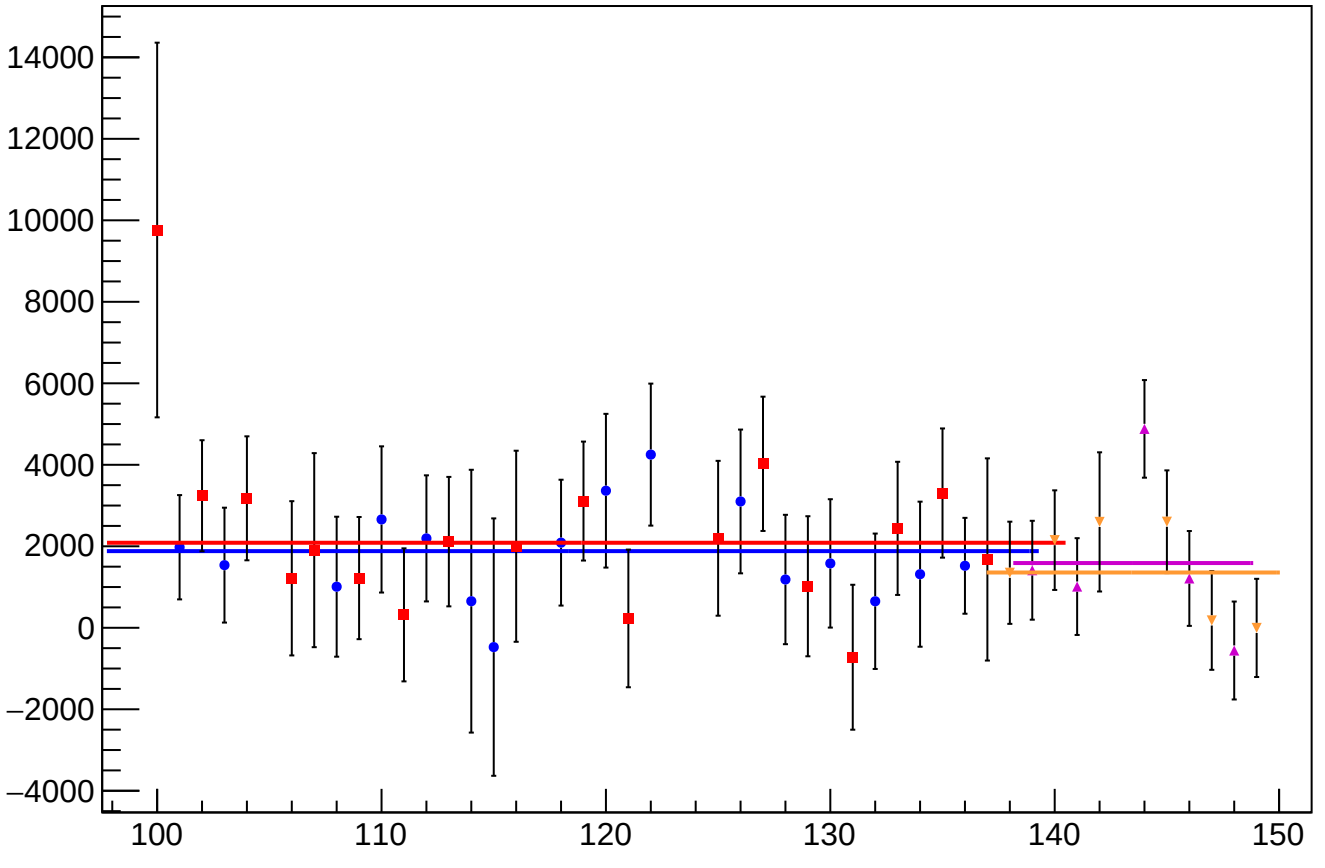
Left: 1382.291+/-0.333 χ^2/NDF: 458383.3/10

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

In: 1012.183+/-0.221 χ^2/NDF:2143686.1/20

Out: 1004.938+/-0.218 χ^2/NDF:2340821.0/23

All: 1008.501+/-0.155 χ^2/NDF: 4485051.5/44



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

Left Out: 1356.764+/-523.580 χ^2/NDF:4.1/5

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: 1470.706+/-373.624 χ^2/NDF: 15.4/10

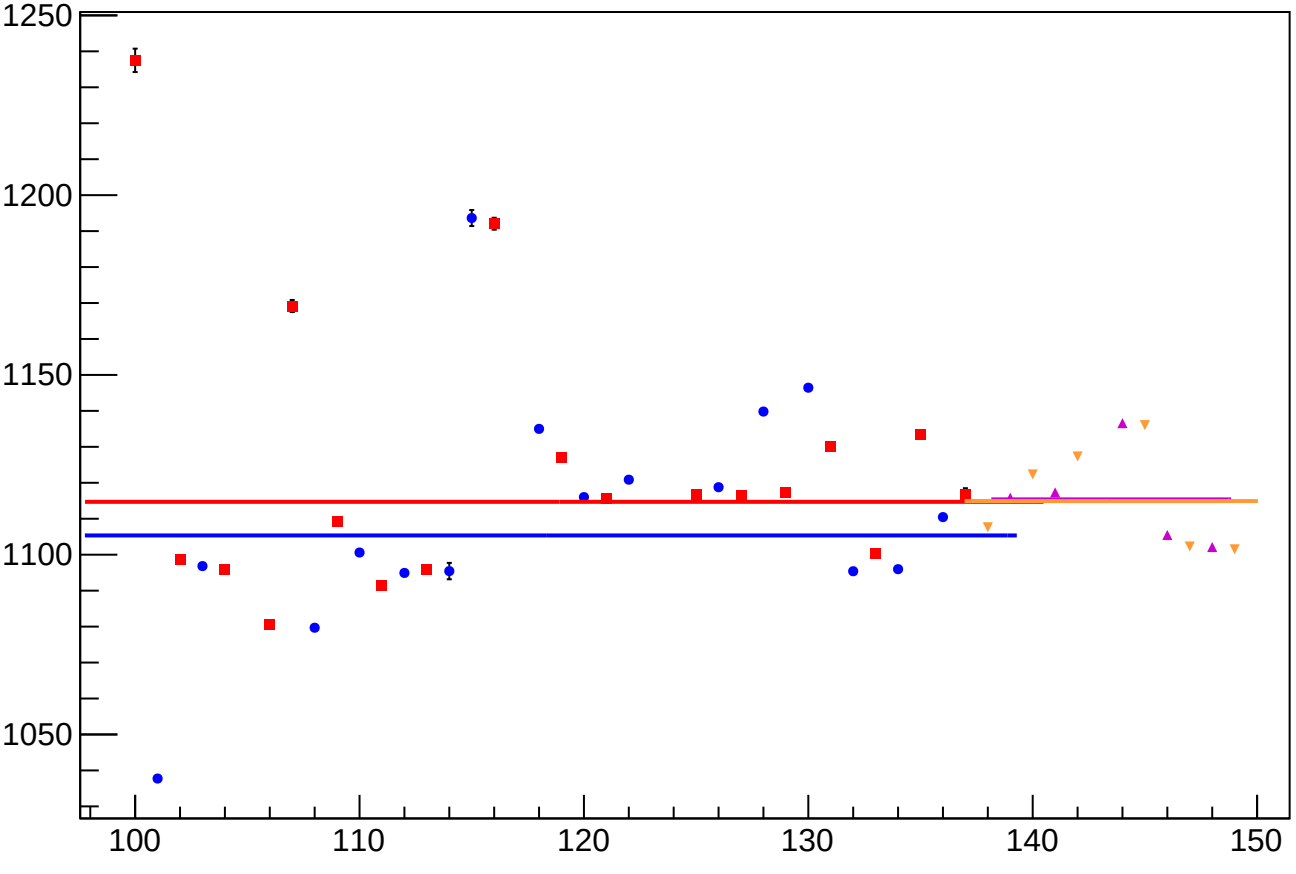
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

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

Out: 1808.697+/-323.188 χ^2/NDF:17.7/23

All: 1790.772+/-229.306 χ^2/NDF: 34.2/44

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.915+/-0.370 χ^2/NDF:1274.2/5

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

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

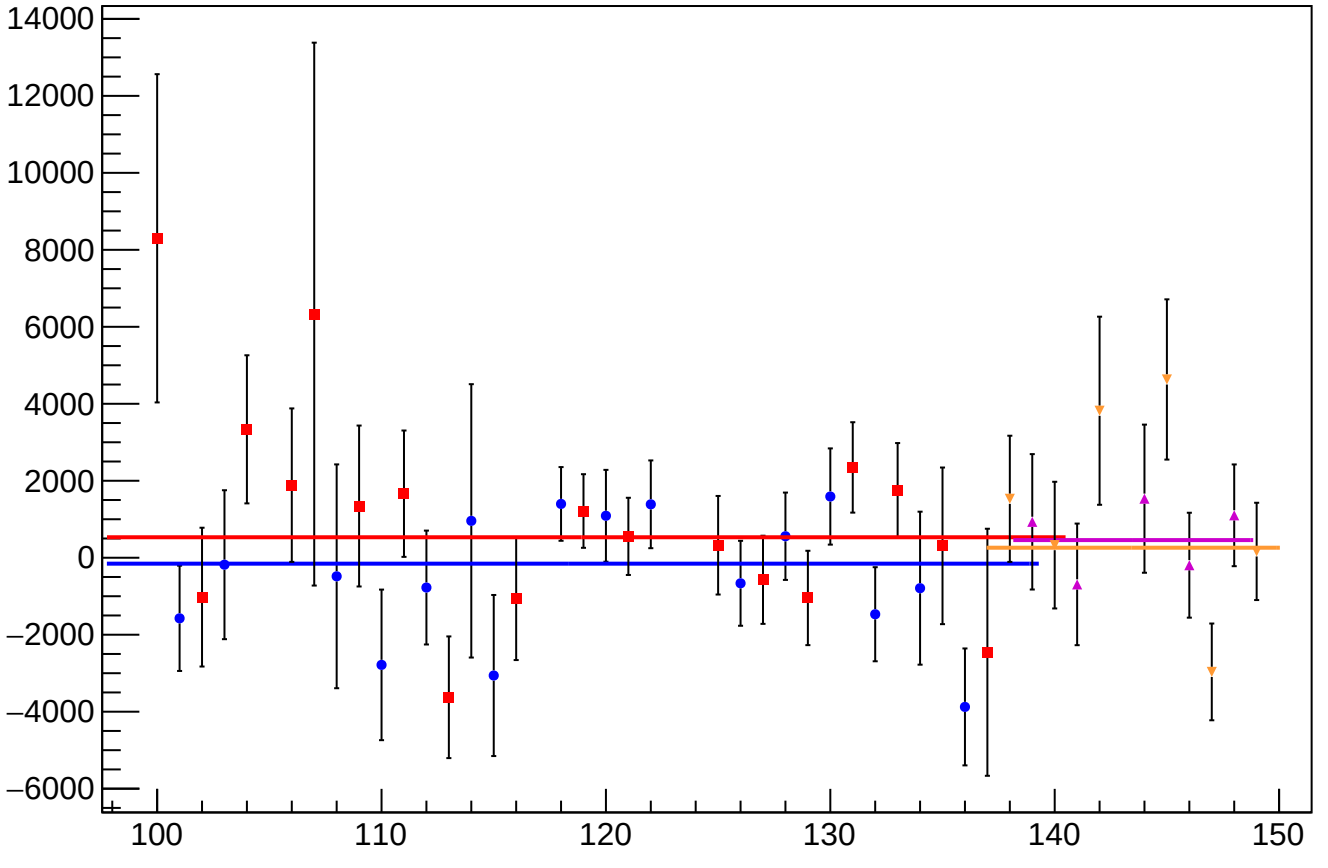
Left: 1115.147+/-0.264 χ^2/NDF: 2294.9/10

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

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

Out: 1114.785+/-0.229 χ^2/NDF:8604.7/23

All: 1111.957+/-0.162 χ^2/NDF: 21708.1/44



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

Left Out: 260.532+/-645.677 χ^2/NDF:13.7/5

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

Left In: 458.550+/-689.304 χ^2/NDF:1.4/4

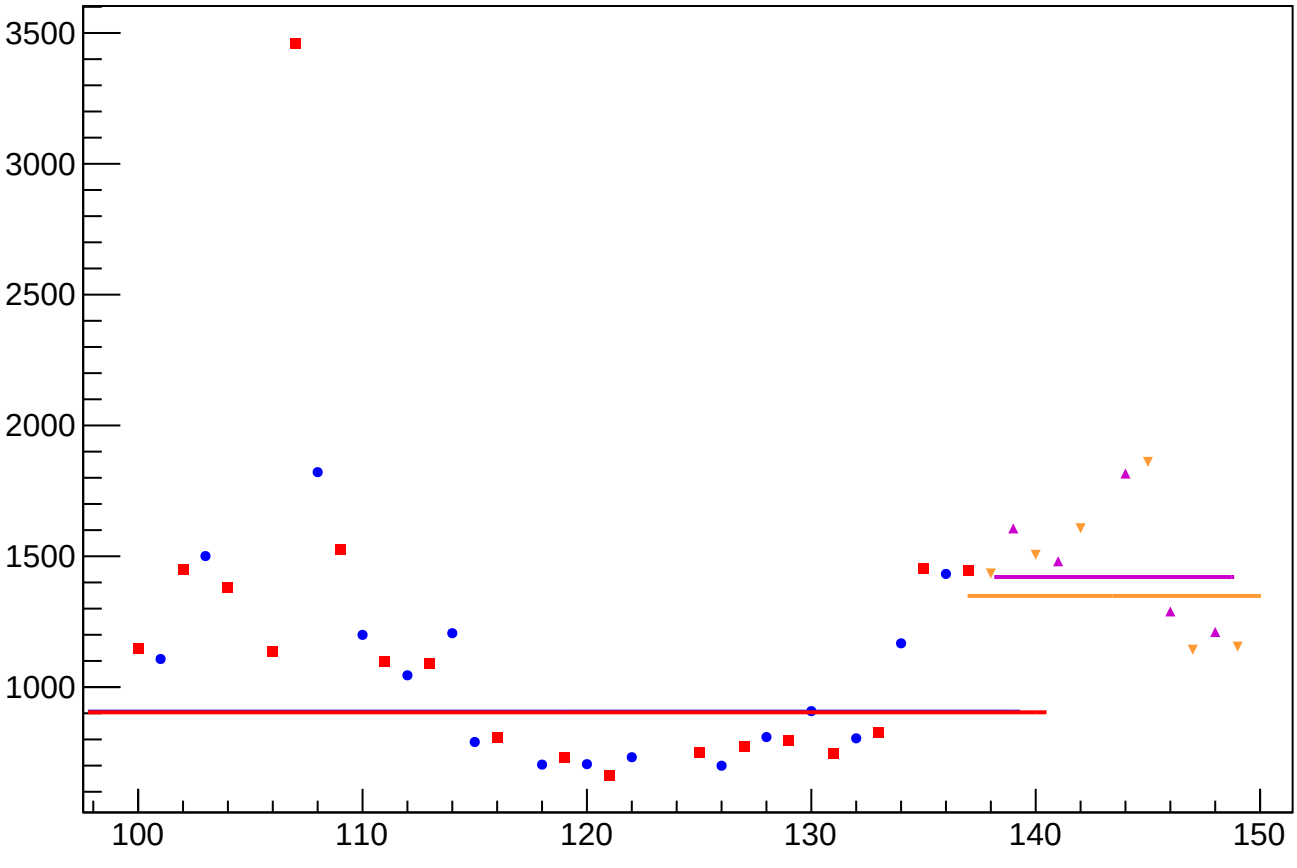
Left: 353.077+/-471.232 χ^2/NDF: 15.2/10

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

In: -27.691+/-313.008 χ^2/NDF:22.5/20

Out: 470.357+/-307.977 χ^2/NDF:37.1/23

All: 225.368+/-219.529 χ^2/NDF: 60.8/44



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1348.496+/-0.457 χ^2/NDF:267836.8/5

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: 1382.294+/-0.333 χ^2/NDF: 458381.1/10

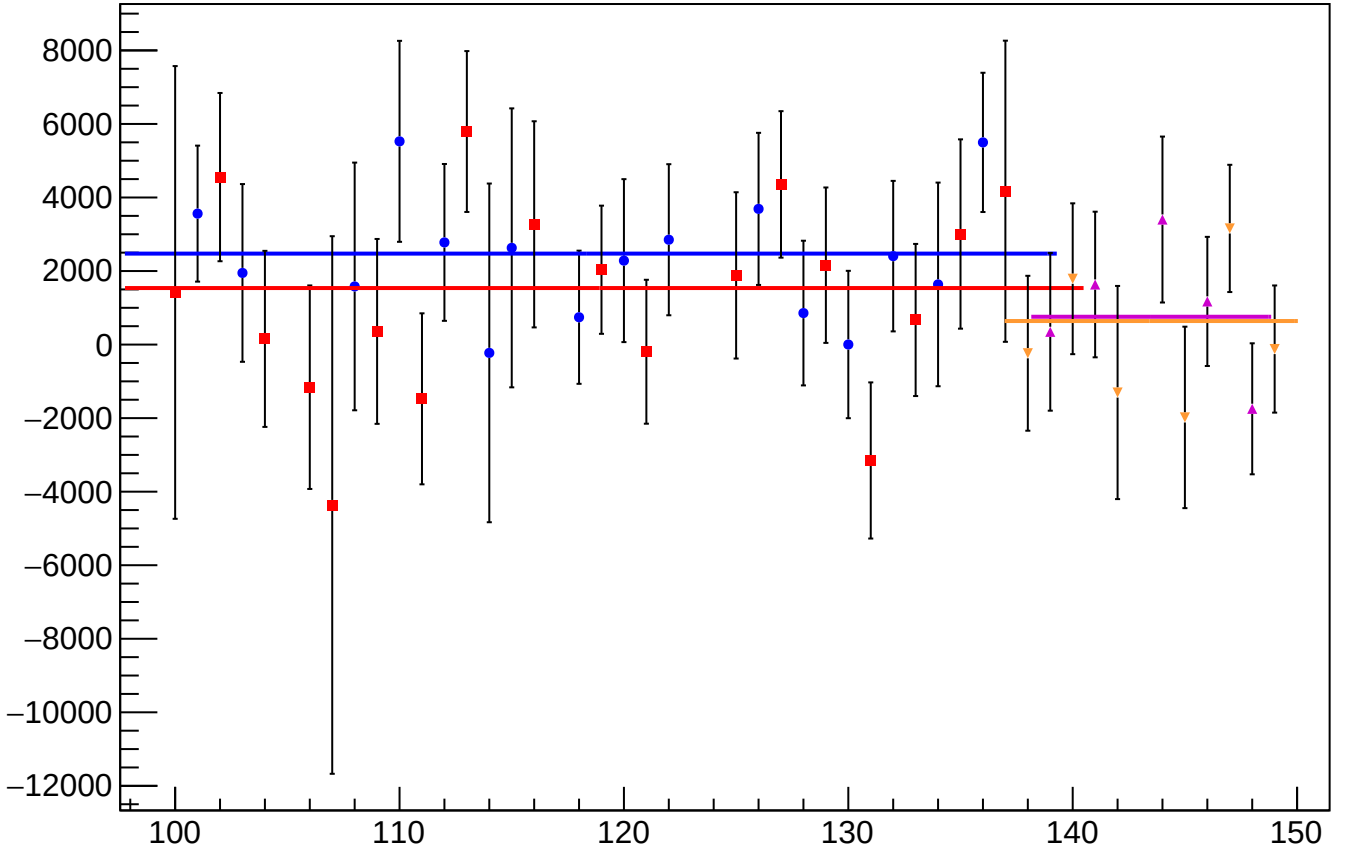
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1012.181+/-0.221 χ^2/NDF:2143703.3/20

Out: 1004.936+/-0.218 χ^2/NDF:2340836.5/23

All: 1008.500+/-0.155 χ^2/NDF: 4485084.2/44

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 640.585+/-840.663 χ^2/NDF:4.4/5

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: 696.465+/-605.971 χ^2/NDF: 8.0/10

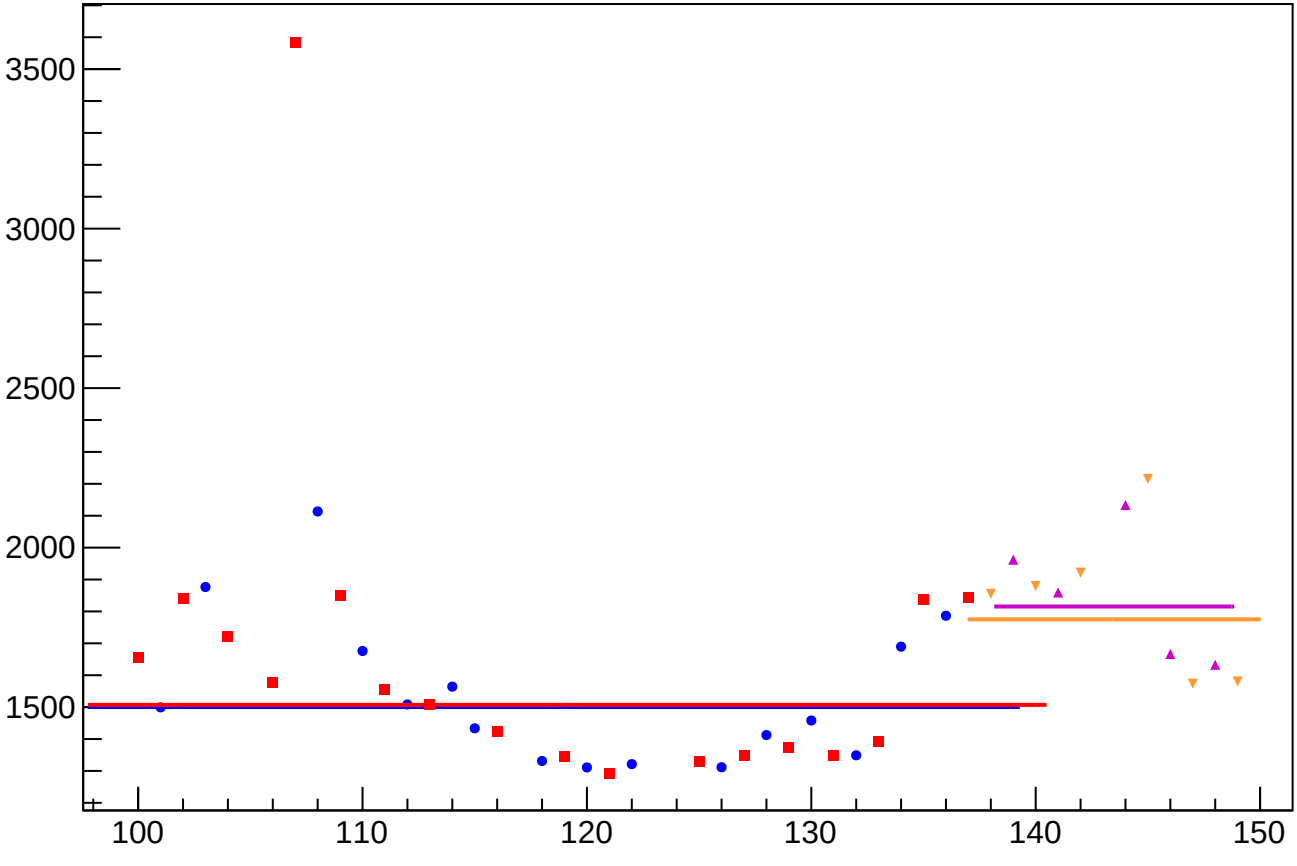
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1970.967+/-473.223 χ^2/NDF:14.6/20

Out: 1259.360+/-468.105 χ^2/NDF:23.7/23

All: 1611.294+/-332.795 χ^2/NDF: 39.4/44

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1775.232+/-0.594 χ^2/NDF:129347.2/5

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

Left In: 1815.352+/-0.618 χ^2/NDF:85544.2/4

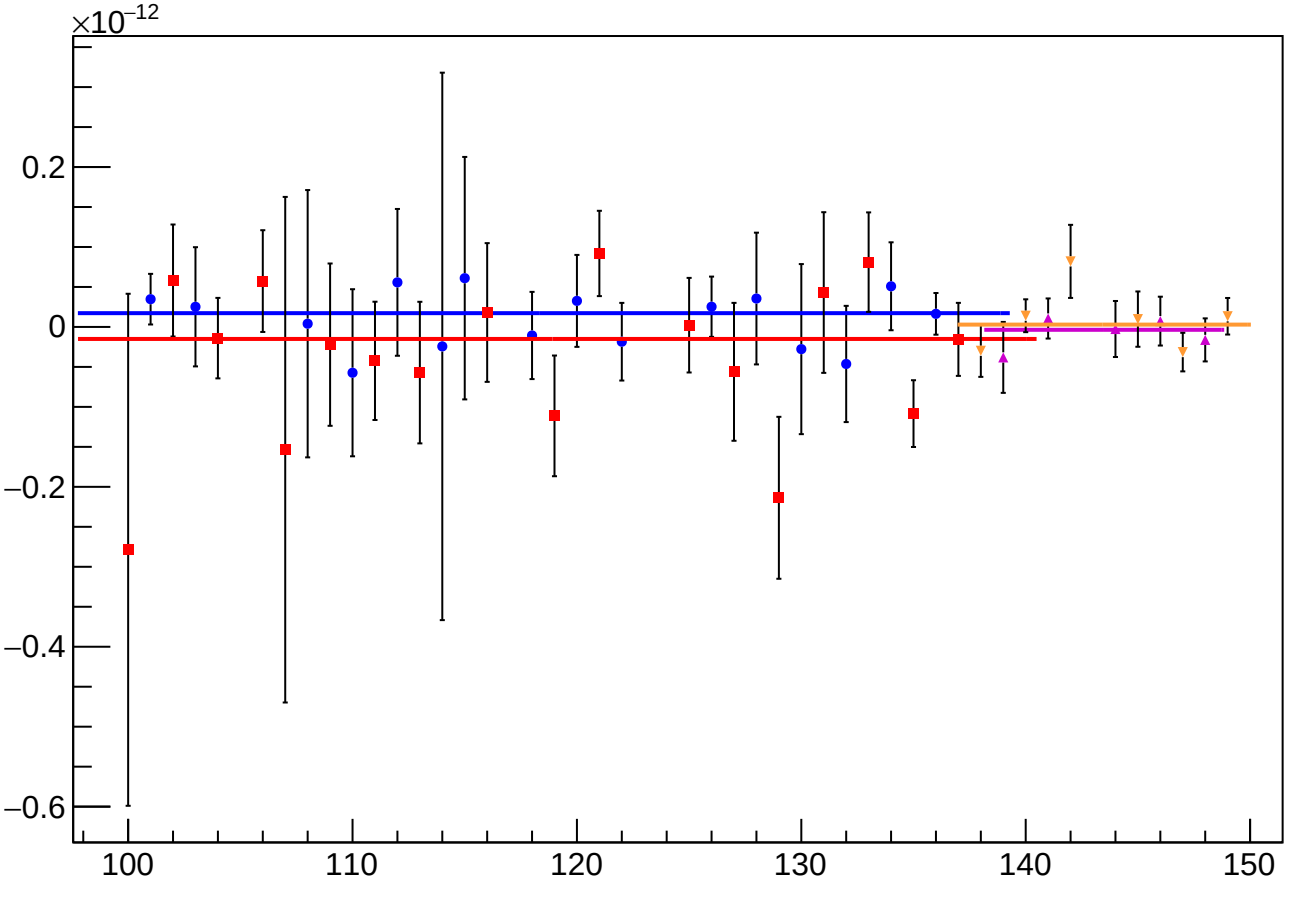
Left: 1794.506+/-0.428 χ^2/NDF: 217079.7/10

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1592.659+/-0.335 χ^2/NDF:527872.9/20

Out: 1590.235+/-0.331 χ^2/NDF:670953.9/23

All: 1591.434+/-0.235 χ^2/NDF: 1198853.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

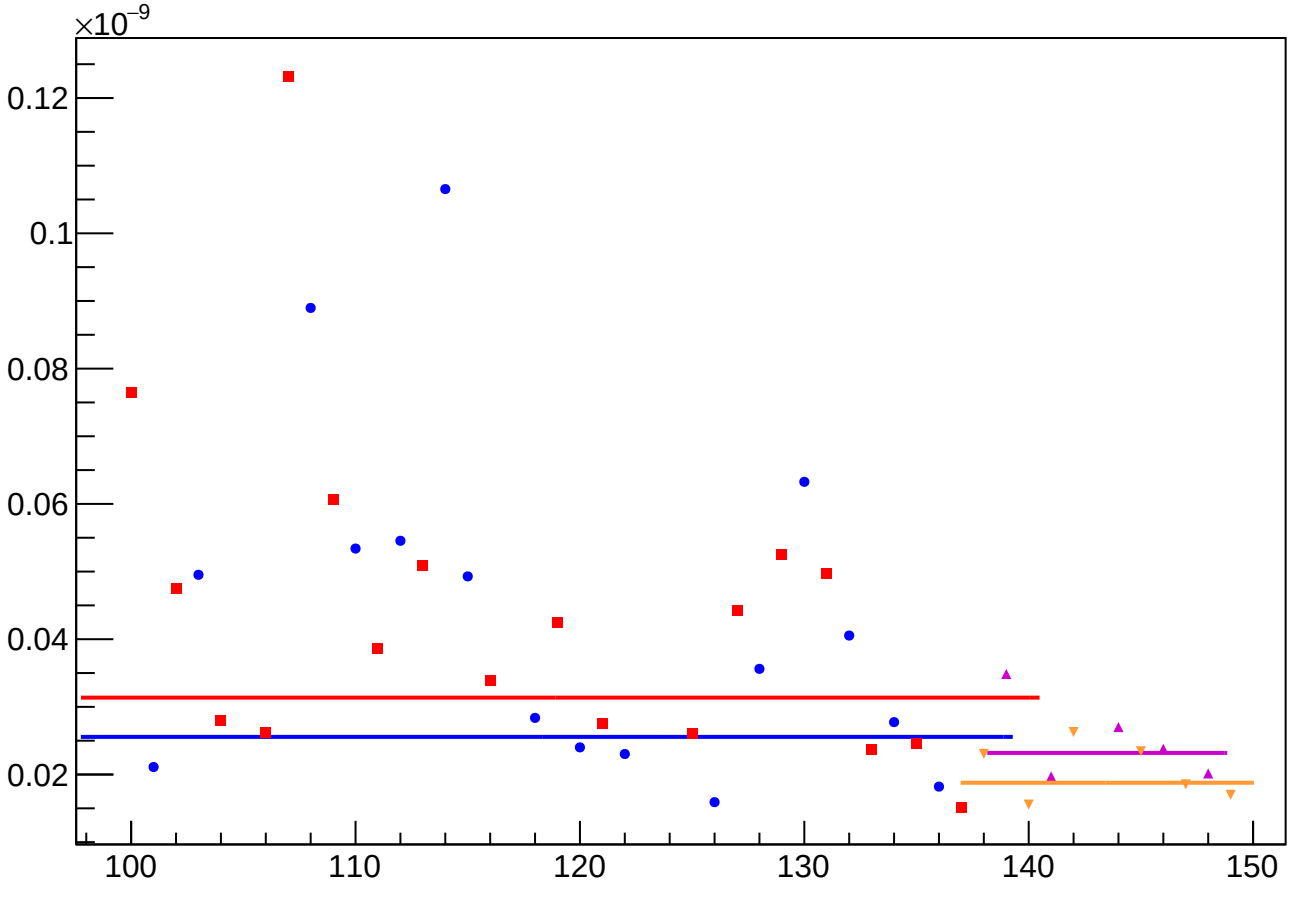
Left: 0.000+/-0.000 χ^2/NDF: 8.0/10

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:28.7/23

All: 0.000+/-0.000 χ^2/NDF: 35.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:186038.8/5

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

Left In: 0.000+/-0.000 χ^2/NDF:226878.5/4

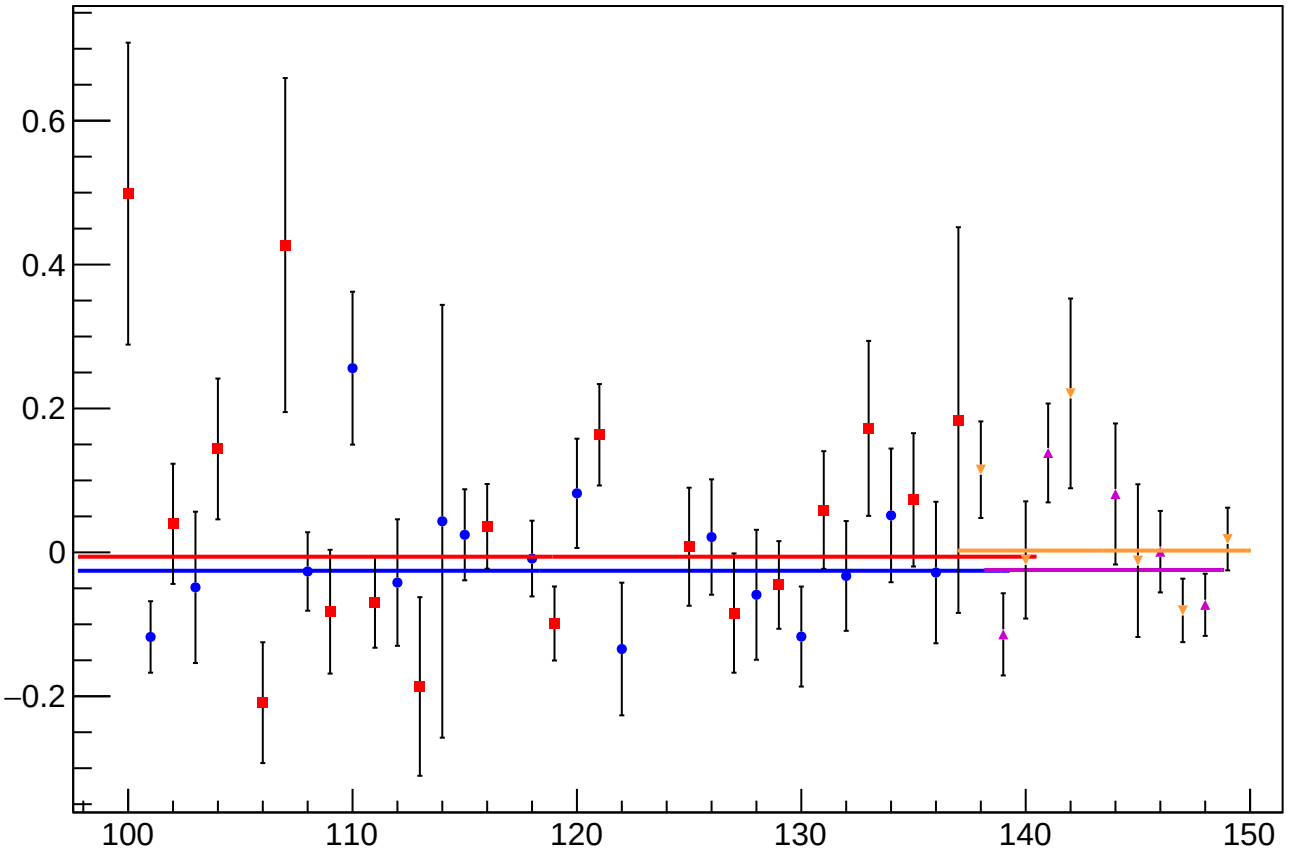
Left: 0.000+/-0.000 χ^2/NDF: 539277.6/10

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:2246609.3/23

All: 0.000+/-0.000 χ^2/NDF: 4240889.6/44



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

Left Out: 0.002+/-0.025 χ^2/NDF:9.3/5

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

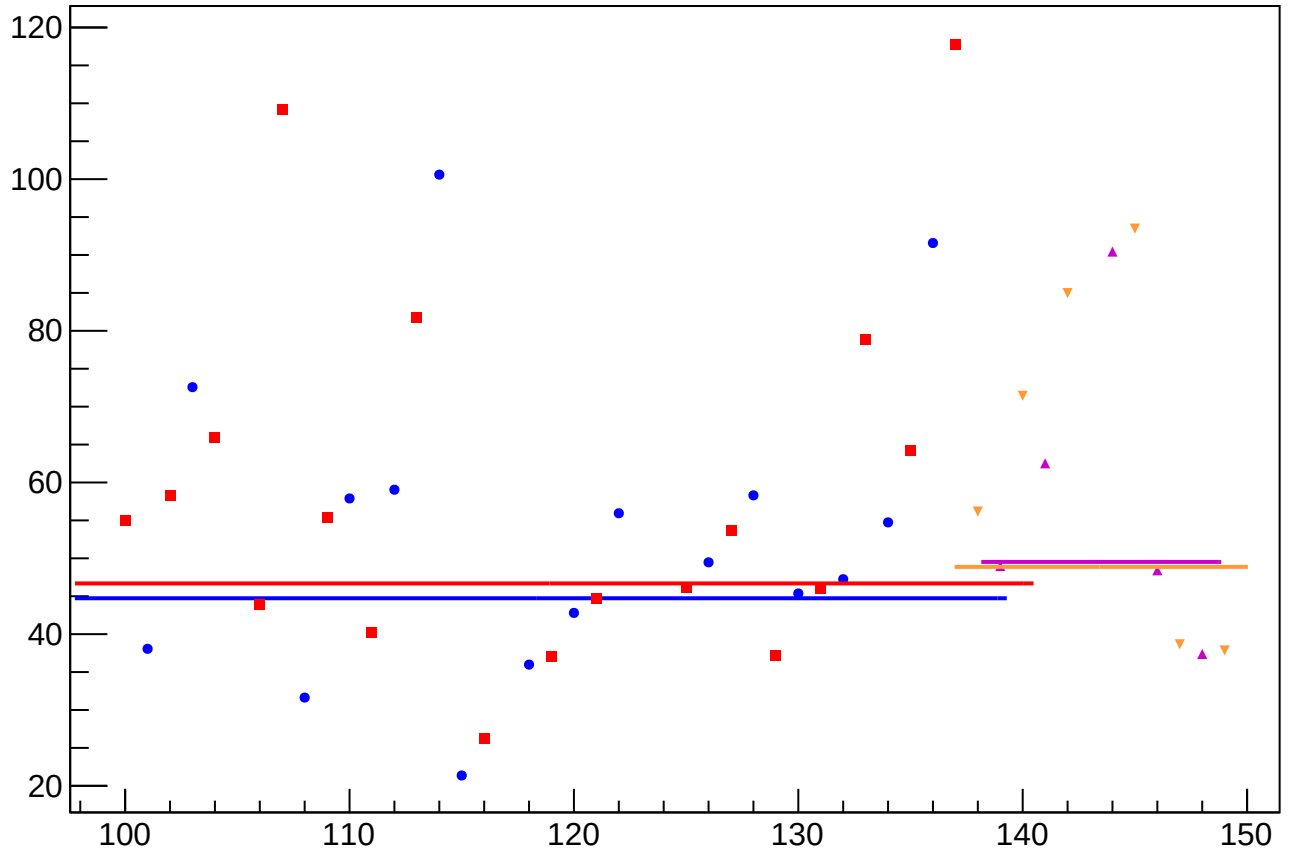
Left: -0.011+/-0.018 χ^2/NDF: 20.5/10

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.003+/-0.015 χ^2/NDF:45.9/23

All: -0.014+/-0.011 χ^2/NDF: 75.3/44



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

Left Out: 48.871+/-0.018 χ^2/NDF:915099.1/5

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

Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

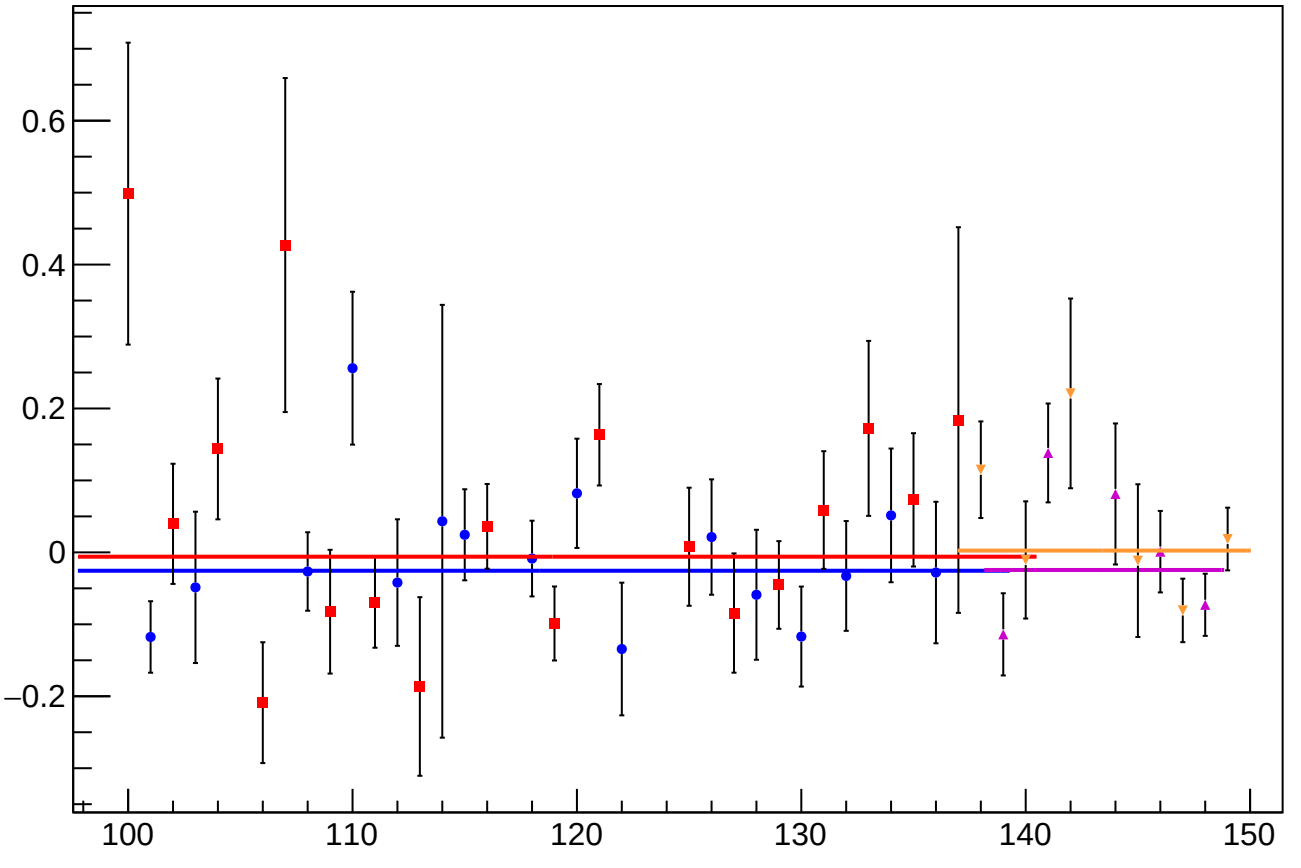
Left: 49.188+/-0.013 χ^2/NDF: 1494970.6/10

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.368+/-0.011 χ^2/NDF:1958241.3/20

Out: 47.497+/-0.011 χ^2/NDF:2119911.0/23

All: 46.926+/-0.008 χ^2/NDF: 4083585.3/44



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

Left Out: 0.002+/-0.025 χ^2/NDF:9.3/5

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

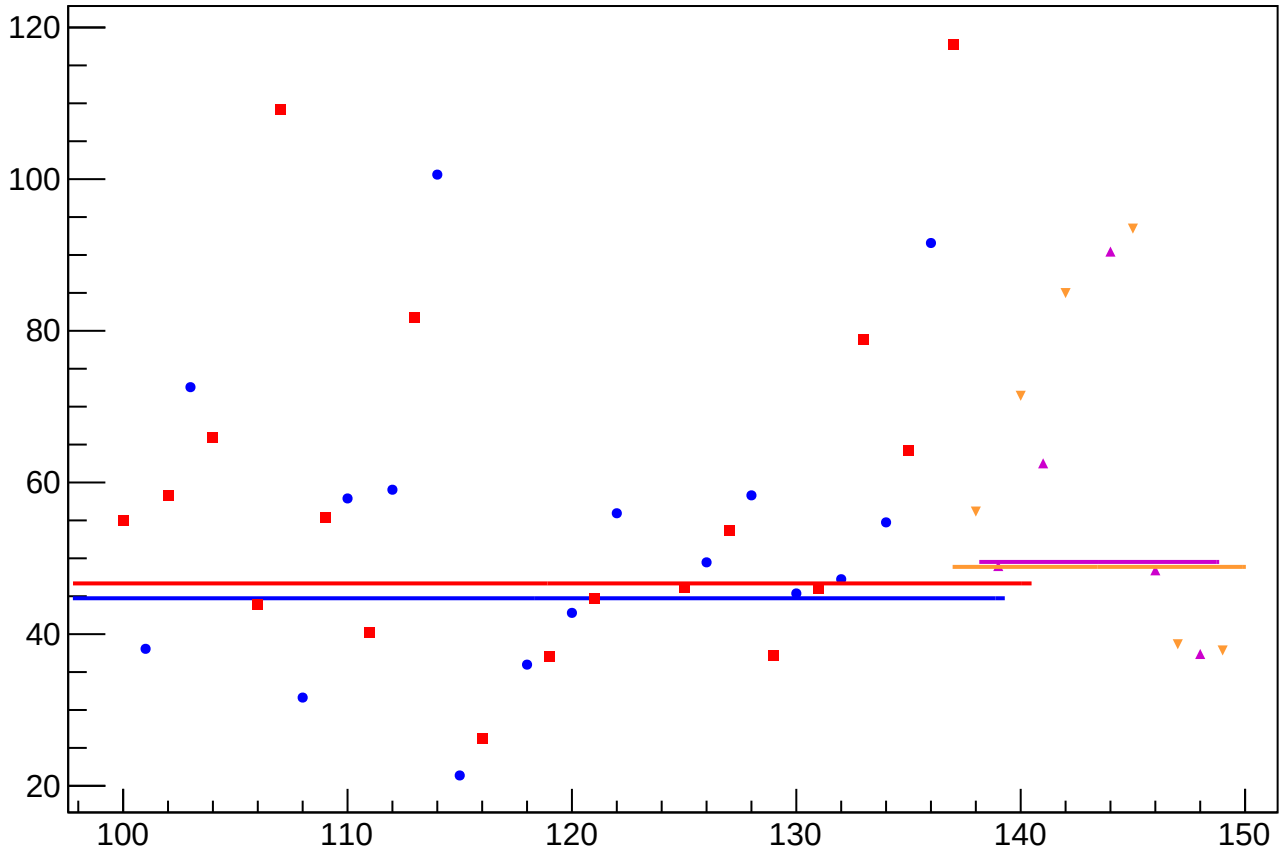
Left: -0.011+/-0.018 χ^2/NDF: 20.5/10

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.003+/-0.015 χ^2/NDF:45.9/23

All: -0.014+/-0.011 χ^2/NDF: 75.3/44



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

Left Out: 48.871+/-0.018 χ^2/NDF:915099.1/5

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

Left In: 49.524+/-0.018 χ^2/NDF:579225.5/4

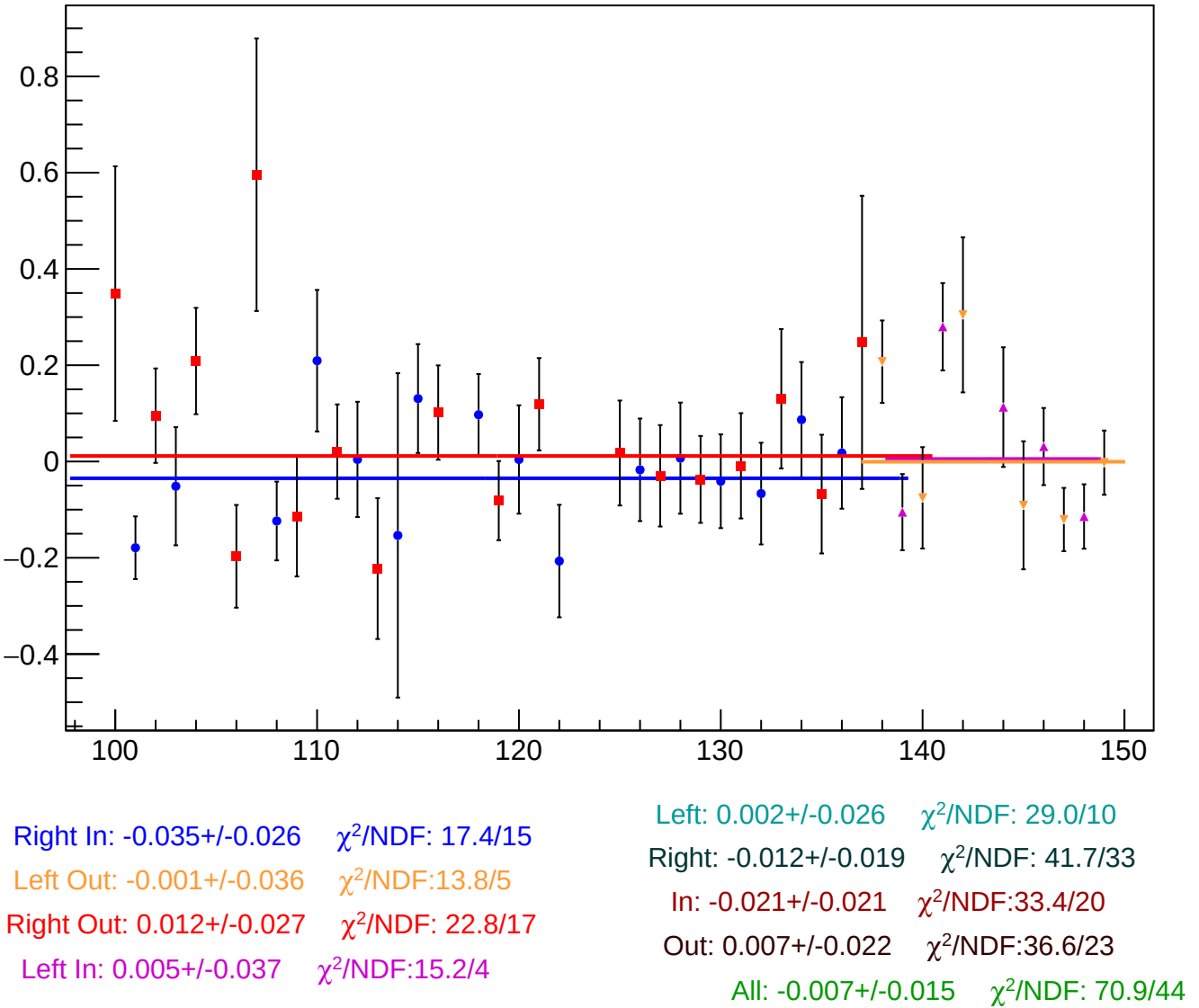
Left: 49.188+/-0.013 χ^2/NDF: 1494970.6/10

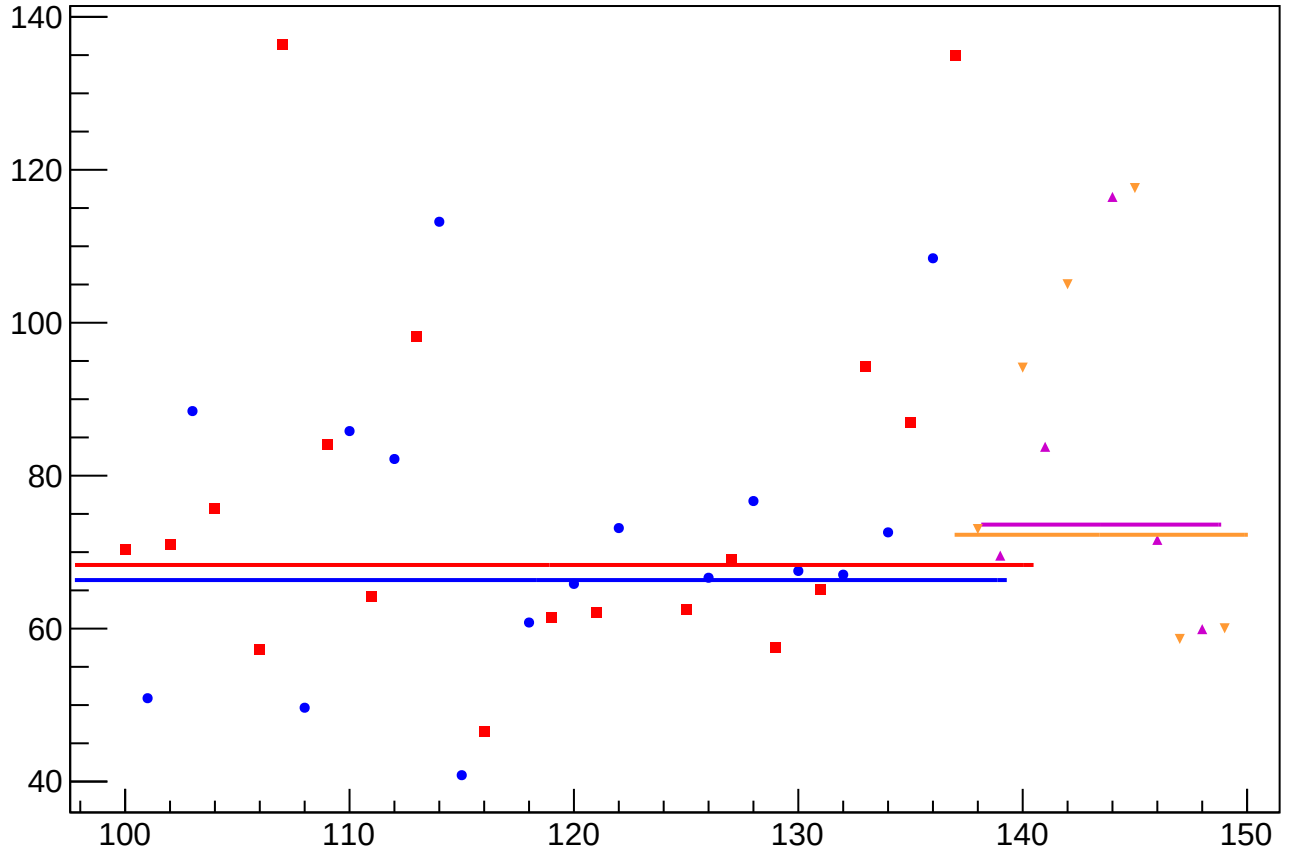
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 46.368+/-0.011 χ^2/NDF:1958241.3/20

Out: 47.497+/-0.011 χ^2/NDF:2119911.0/23

All: 46.926+/-0.008 χ^2/NDF: 4083585.3/44


asym_usl_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: -0.001+/-0.036 χ²/NDF:13.8/5
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.005+/-0.037 χ²/NDF:15.2/4
Left: 0.002+/-0.026 χ²/NDF: 29.0/10
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.021+/-0.021 χ²/NDF:33.4/20
Out: 0.007+/-0.022 χ²/NDF:36.6/23
All: -0.007+/-0.015 χ²/NDF: 70.9/44



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 72.272+/-0.025 χ^2/NDF:554536.1/5

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 73.600+/-0.026 χ^2/NDF:352874.9/4

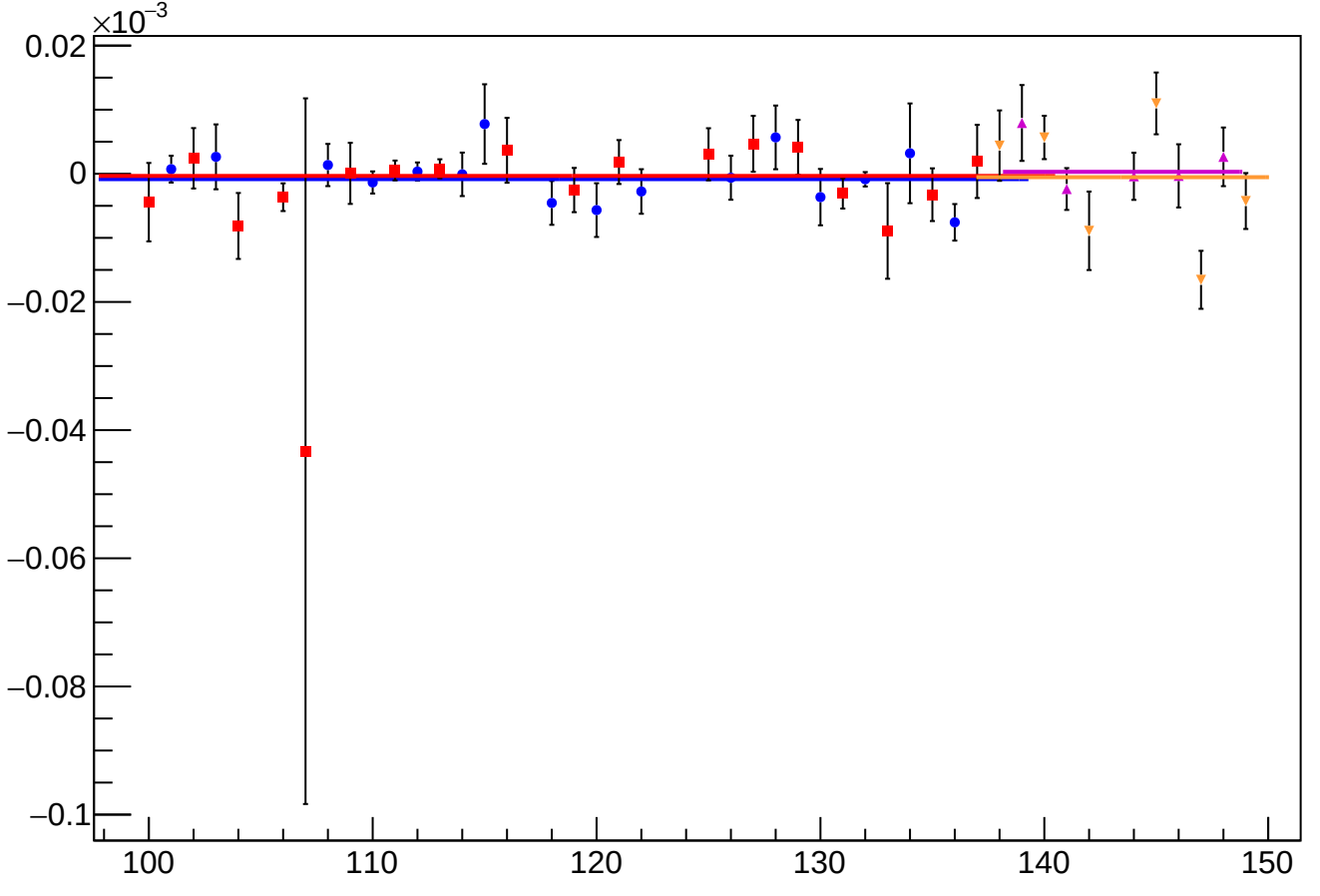
Left: 72.913+/-0.018 χ^2/NDF: 908736.0/10

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 68.768+/-0.015 χ^2/NDF:1176377.1/20

Out: 69.744+/-0.015 χ^2/NDF:1199730.3/23

All: 69.255+/-0.011 χ^2/NDF: 2378170.7/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.6/4

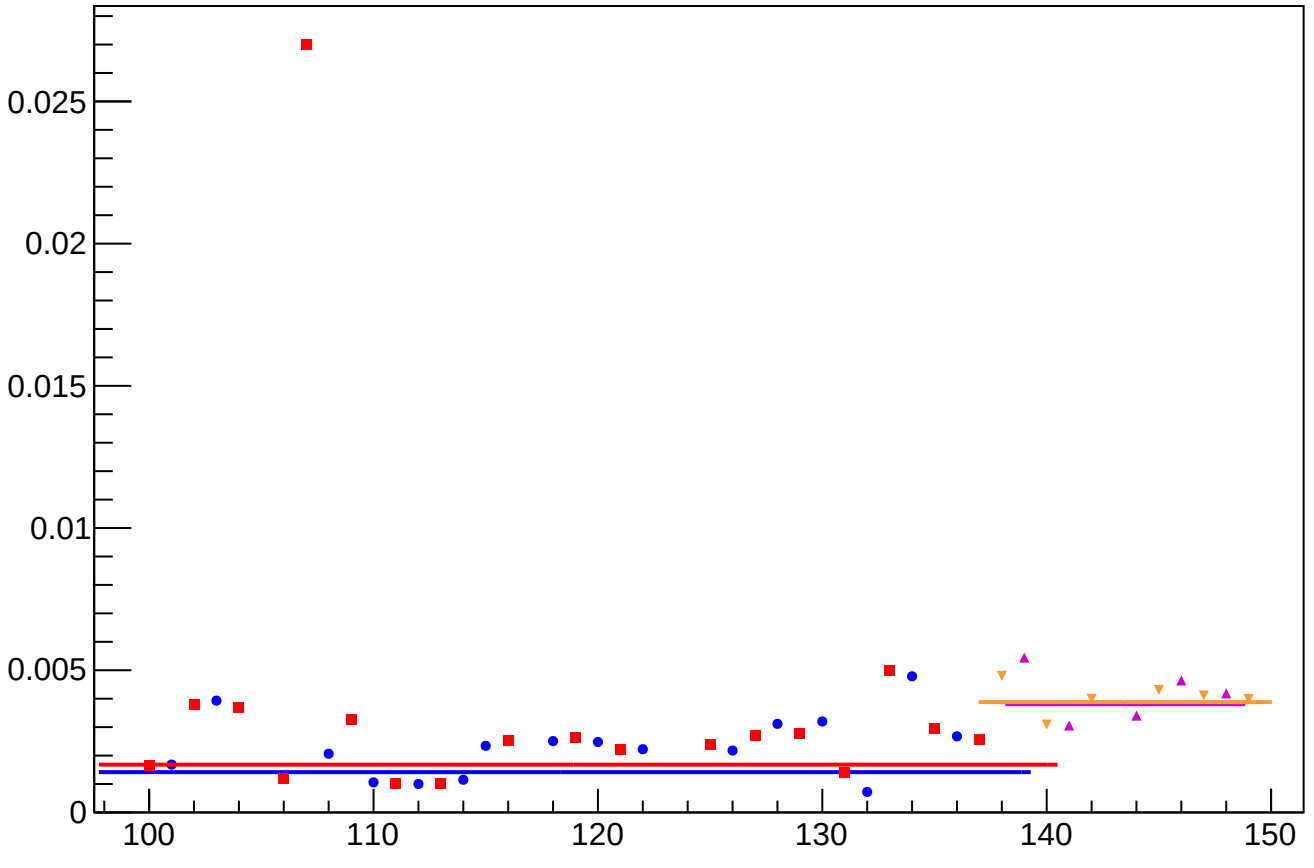
Left: -0.000+/-0.000 χ^2/NDF: 27.7/10

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:39.8/23

All: -0.000+/-0.000 χ^2/NDF: 58.0/44



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:188156.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:353546.2/4

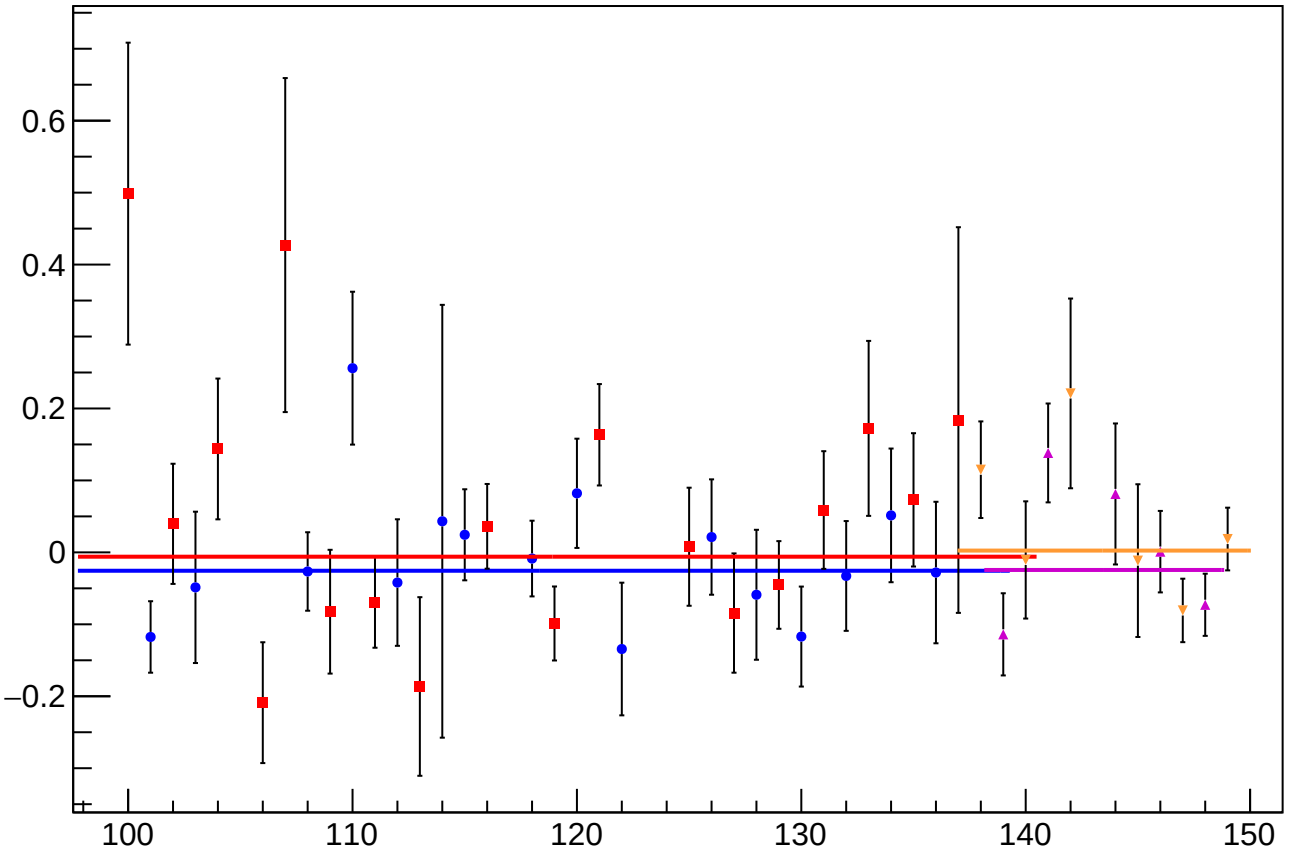
Left: 0.004+/-0.000 χ^2/NDF: 543350.1/10

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:6833716.2/20

Out: 0.002+/-0.000 χ^2/NDF:6061124.9/23

All: 0.002+/-0.000 χ^2/NDF: 13156096.4/44



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

Left Out: 0.002+/-0.025 χ^2/NDF:9.3/5

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

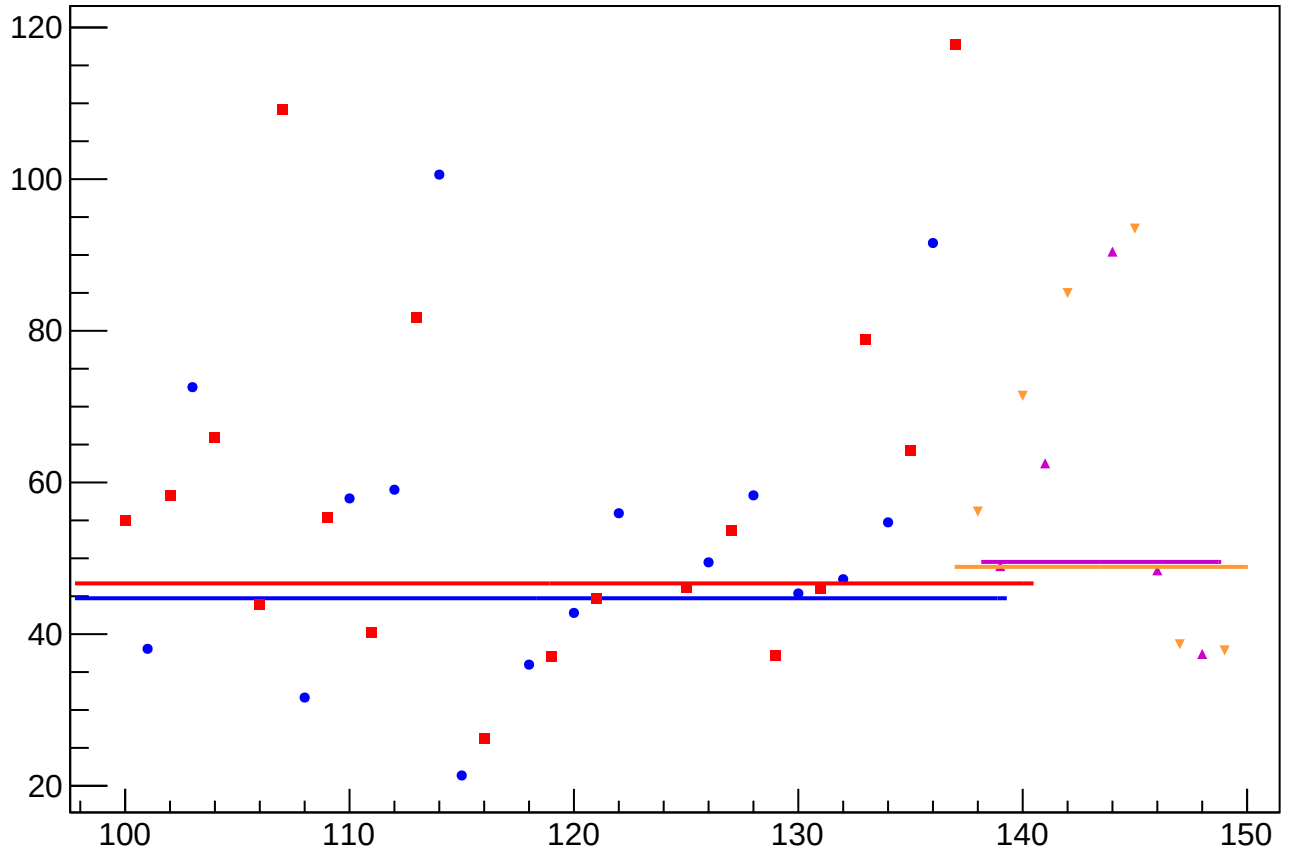
Left: -0.011+/-0.018 χ^2/NDF: 20.5/10

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.003+/-0.015 χ^2/NDF:45.9/23

All: -0.014+/-0.011 χ^2/NDF: 75.3/44



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 48.872+/-0.018 χ^2/NDF:915030.5/5

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 49.525+/-0.018 χ^2/NDF:579187.7/4

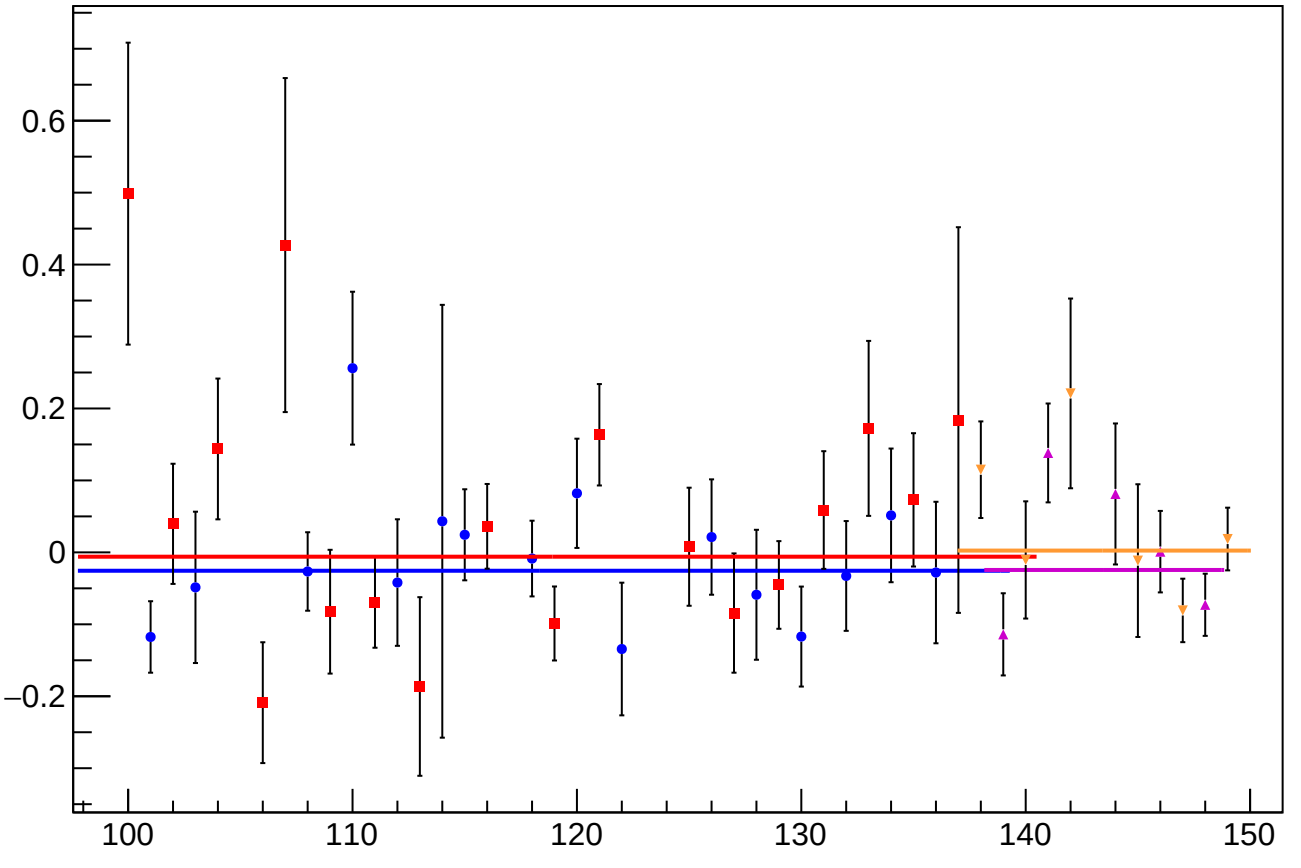
Left: 49.189+/-0.013 χ^2/NDF: 1494863.8/10

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.367+/-0.011 χ^2/NDF:1958295.0/20

Out: 47.496+/-0.011 χ^2/NDF:2119897.9/23

All: 46.926+/-0.008 χ^2/NDF: 4083627.6/44



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

Left Out: 0.002+/-0.025 χ^2/NDF:9.3/5

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

Left In: -0.024+/-0.026 χ^2/NDF:10.7/4

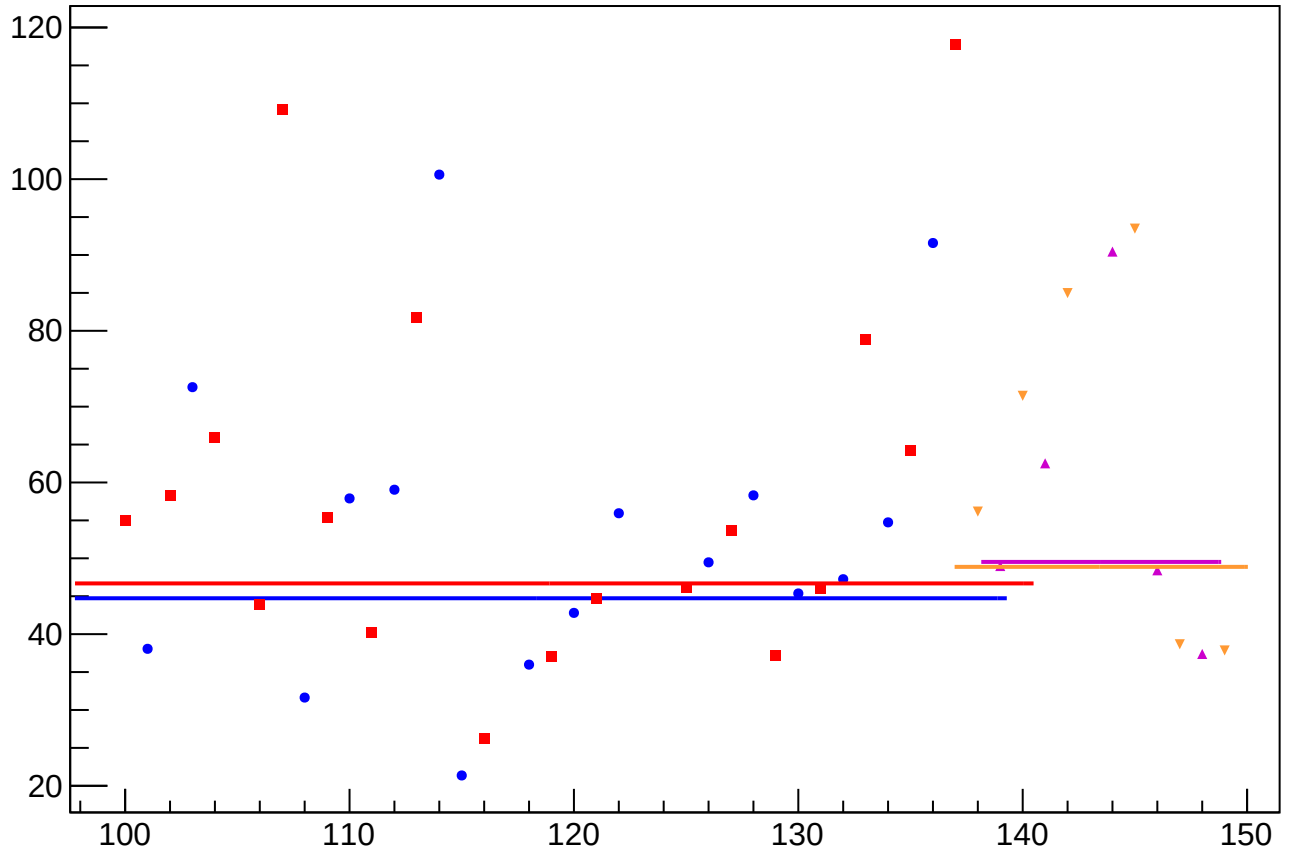
Left: -0.011+/-0.018 χ^2/NDF: 20.5/10

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.015 χ^2/NDF:28.3/20

Out: -0.003+/-0.015 χ^2/NDF:45.9/23

All: -0.014+/-0.011 χ^2/NDF: 75.3/44



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 48.872+/-0.018 χ^2/NDF:915030.5/5

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 49.525+/-0.018 χ^2/NDF:579187.7/4

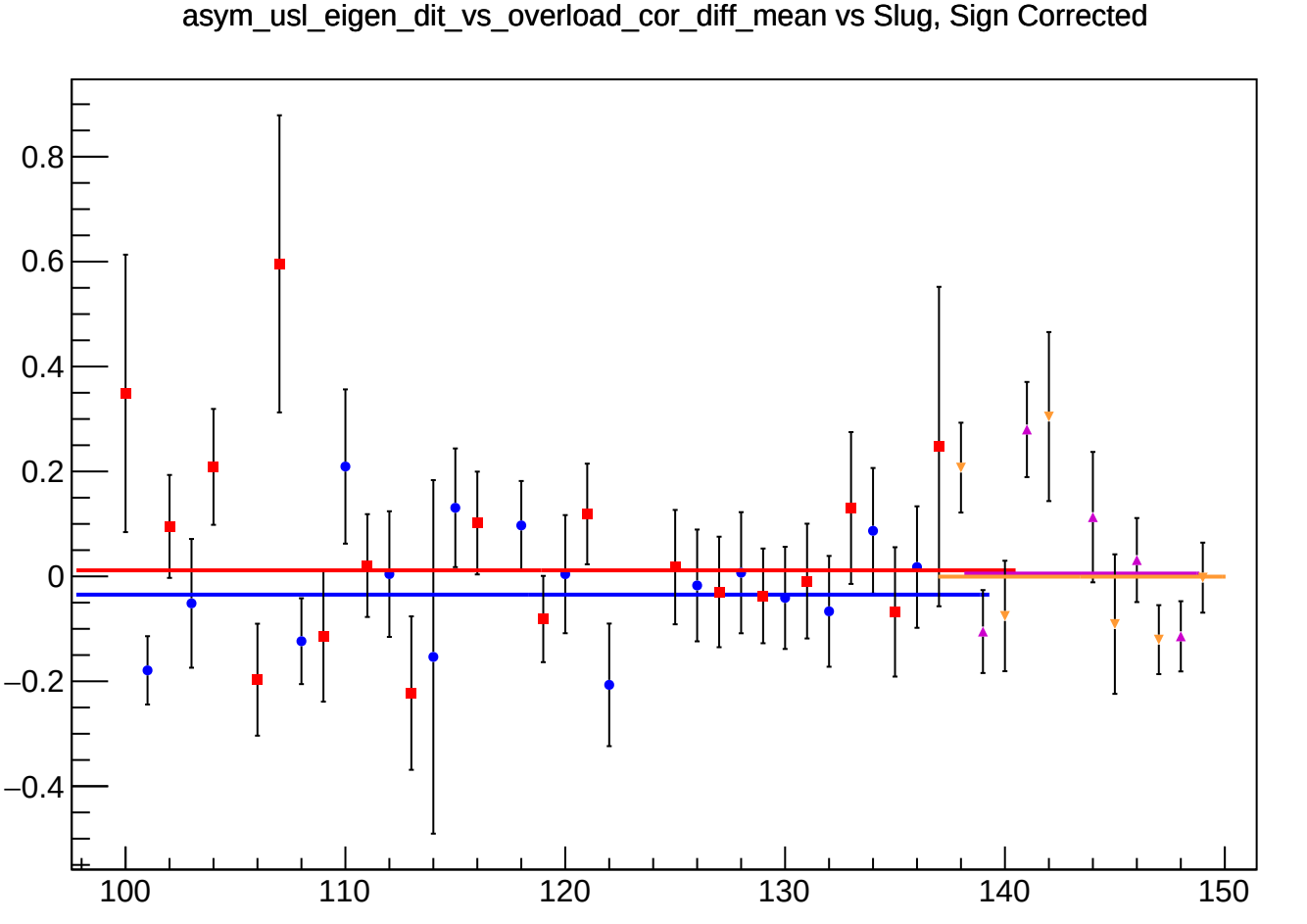
Left: 49.189+/-0.013 χ^2/NDF: 1494863.8/10

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 46.367+/-0.011 χ^2/NDF:1958295.0/20

Out: 47.496+/-0.011 χ^2/NDF:2119897.9/23

All: 46.926+/-0.008 χ^2/NDF: 4083627.6/44



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

Left Out: -0.001+/-0.036 χ^2/NDF:13.8/5

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

Left In: 0.005+/-0.037 χ^2/NDF:15.2/4

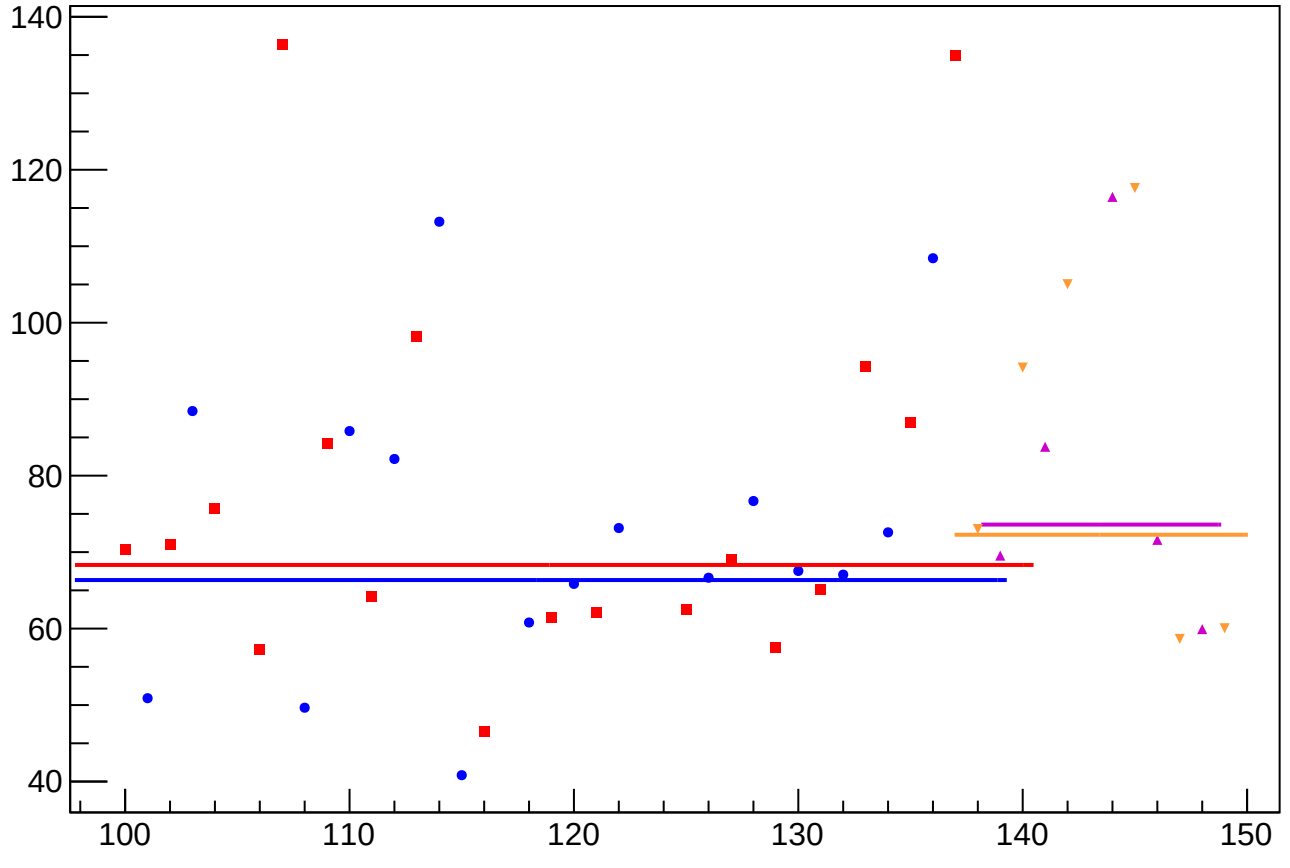
Left: 0.002+/-0.026 χ^2/NDF: 29.0/10

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.021+/-0.021 χ^2/NDF:33.4/20

Out: 0.007+/-0.022 χ^2/NDF:36.6/23

All: -0.007+/-0.015 χ^2/NDF: 70.9/44



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 72.272+/-0.025 χ^2/NDF:554513.6/5

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 73.601+/-0.026 χ^2/NDF:352862.9/4

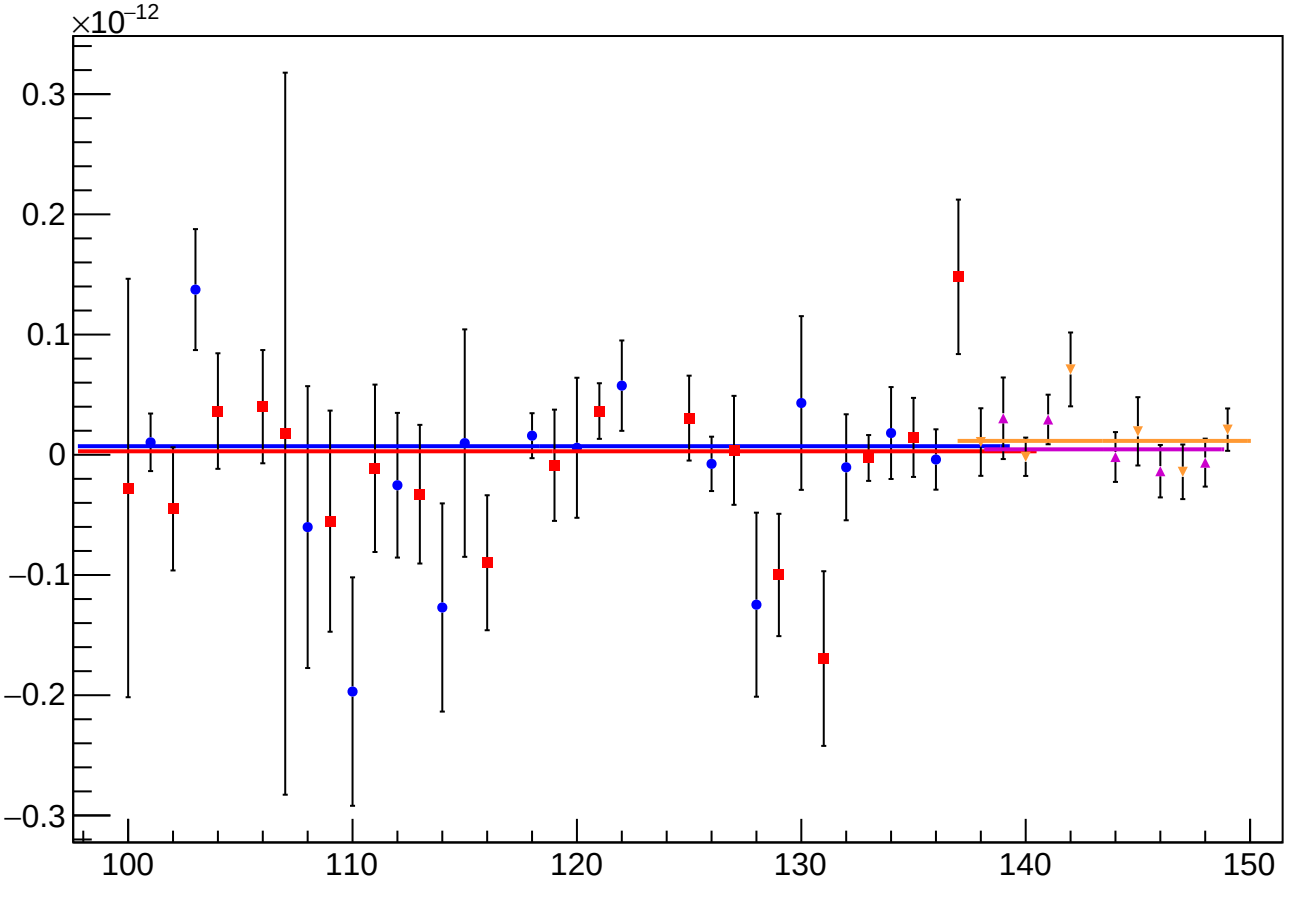
Left: 72.914+/-0.018 χ^2/NDF: 908701.2/10

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 68.768+/-0.015 χ^2/NDF:1176384.2/20

Out: 69.744+/-0.015 χ^2/NDF:1199712.6/23

All: 69.254+/-0.011 χ^2/NDF: 2378159.9/44



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: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

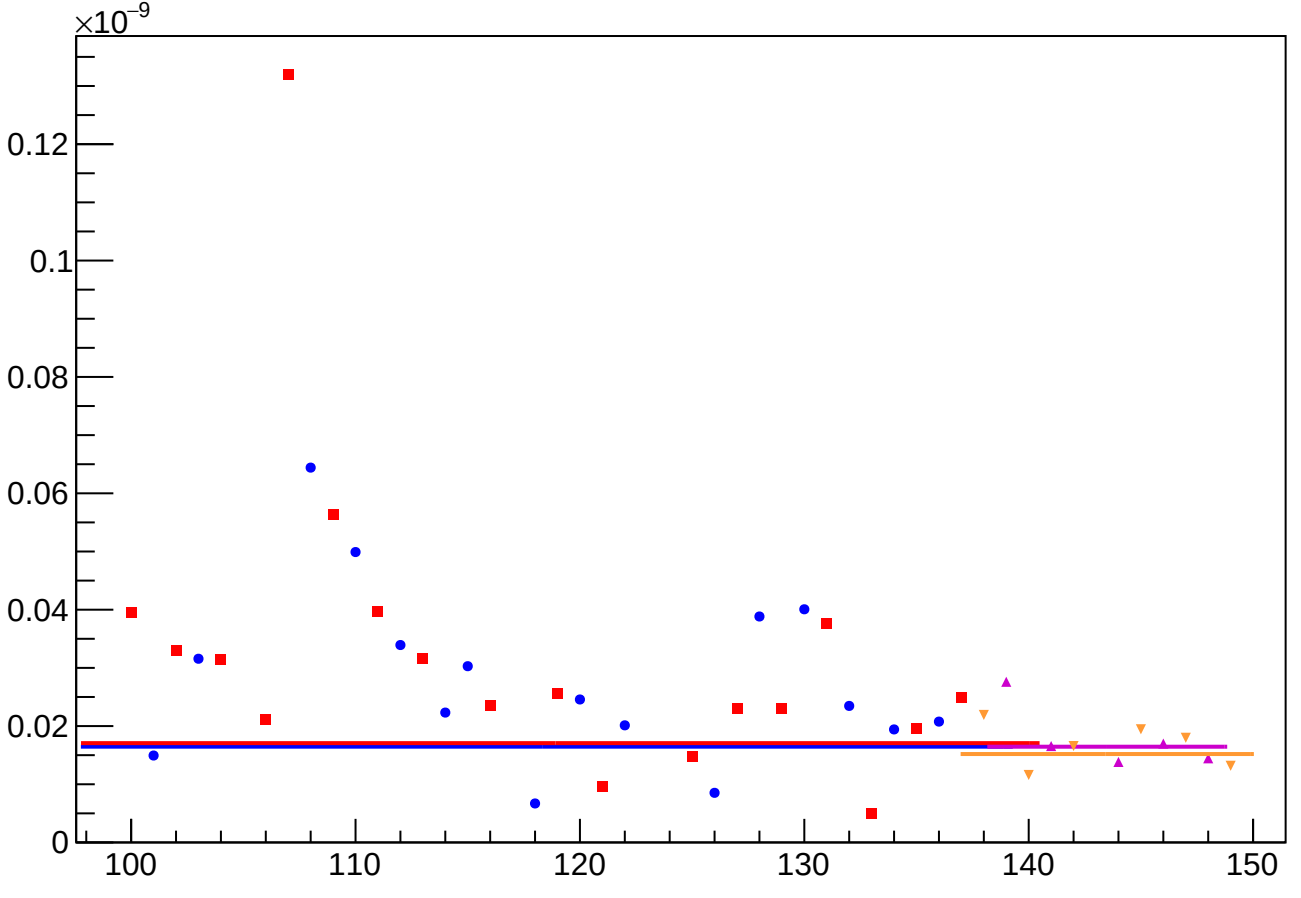
Left: 0.000+/-0.000 χ^2/NDF: 9.5/10

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:29.9/23

All: 0.000+/-0.000 χ^2/NDF: 53.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:321441.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:269439.3/4

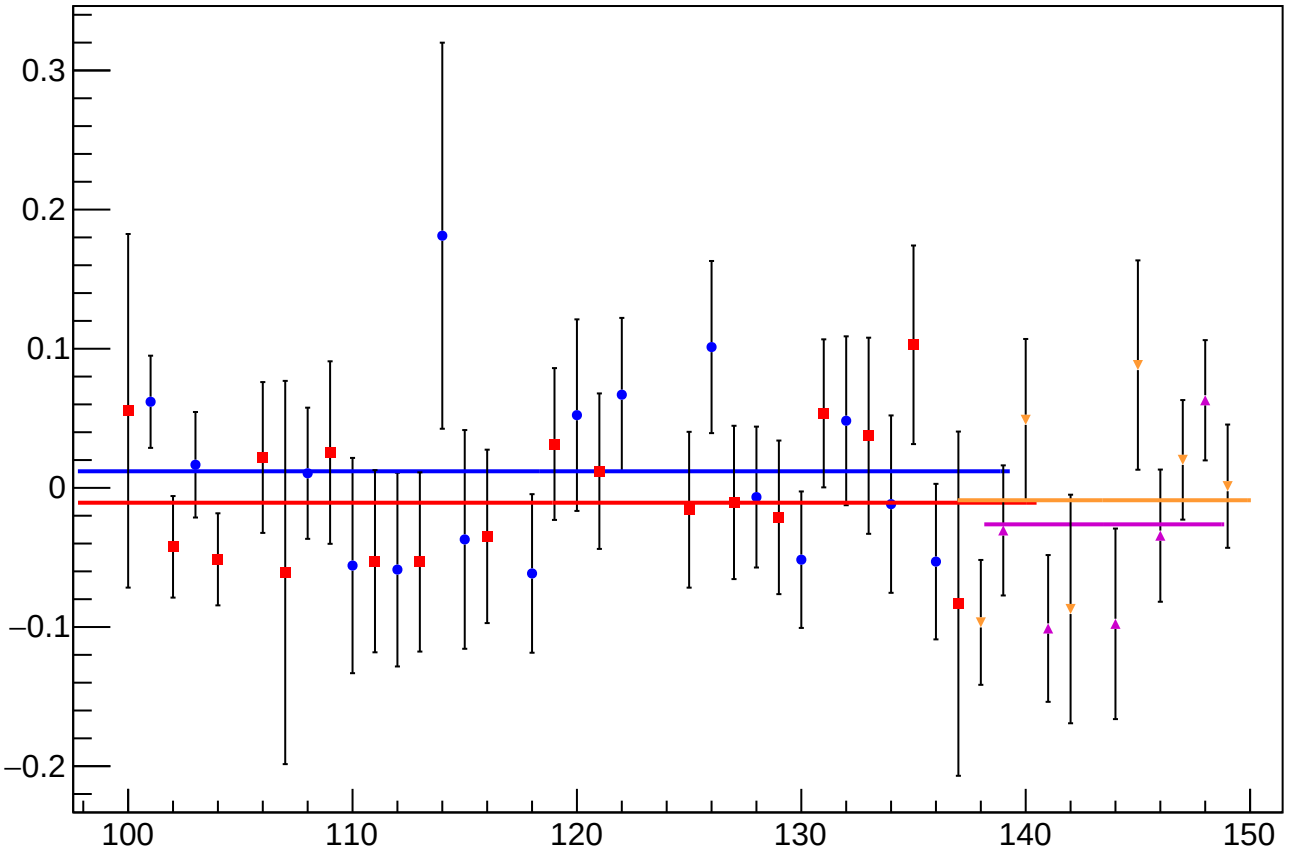
Left: 0.000+/-0.000 χ^2/NDF: 608753.3/10

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:3152811.9/23

All: 0.000+/-0.000 χ^2/NDF: 5772097.9/44



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.009+/-0.021 χ^2/NDF:7.9/5

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.026+/-0.022 χ^2/NDF:7.4/4

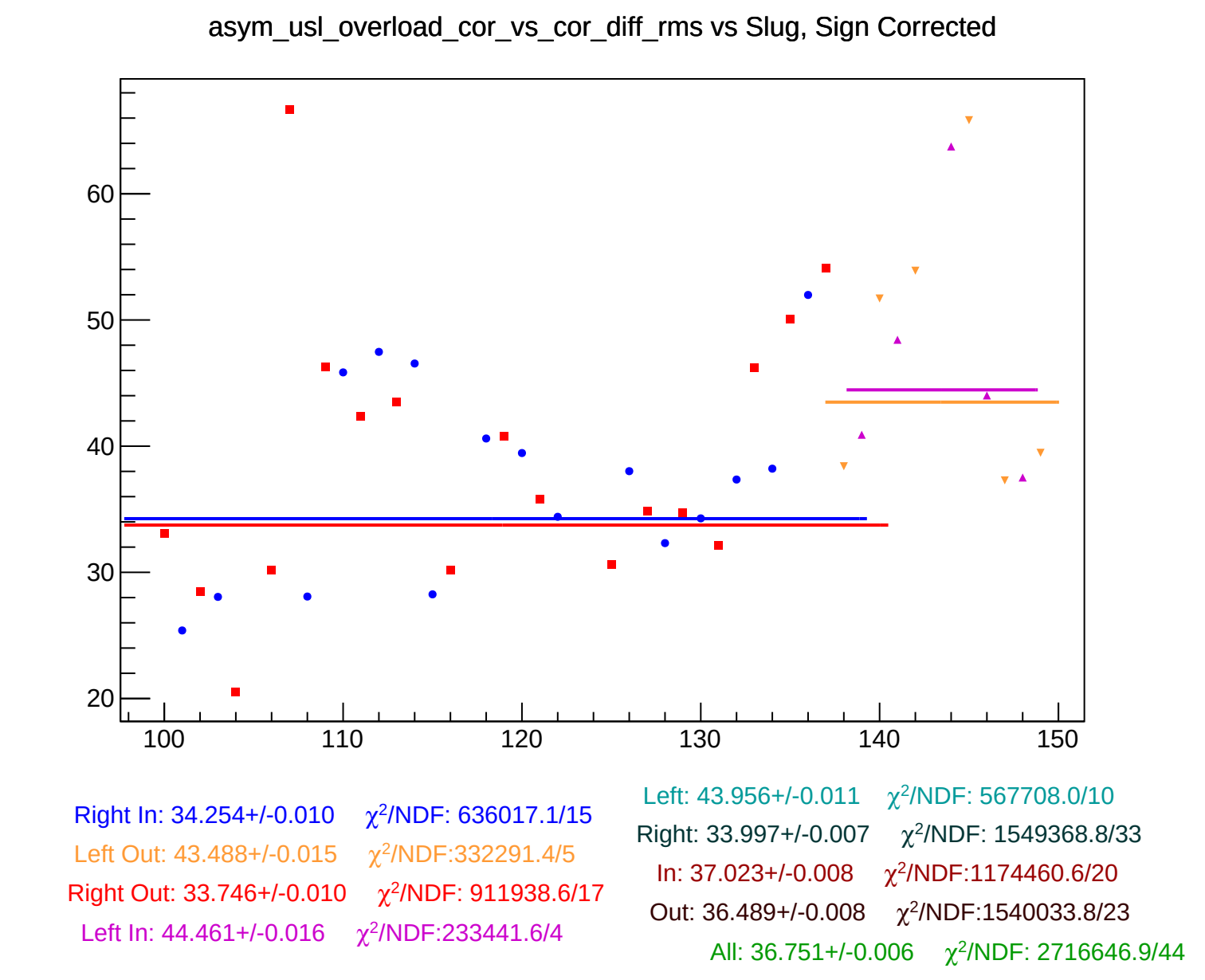
Left: -0.017+/-0.015 χ^2/NDF: 15.6/10

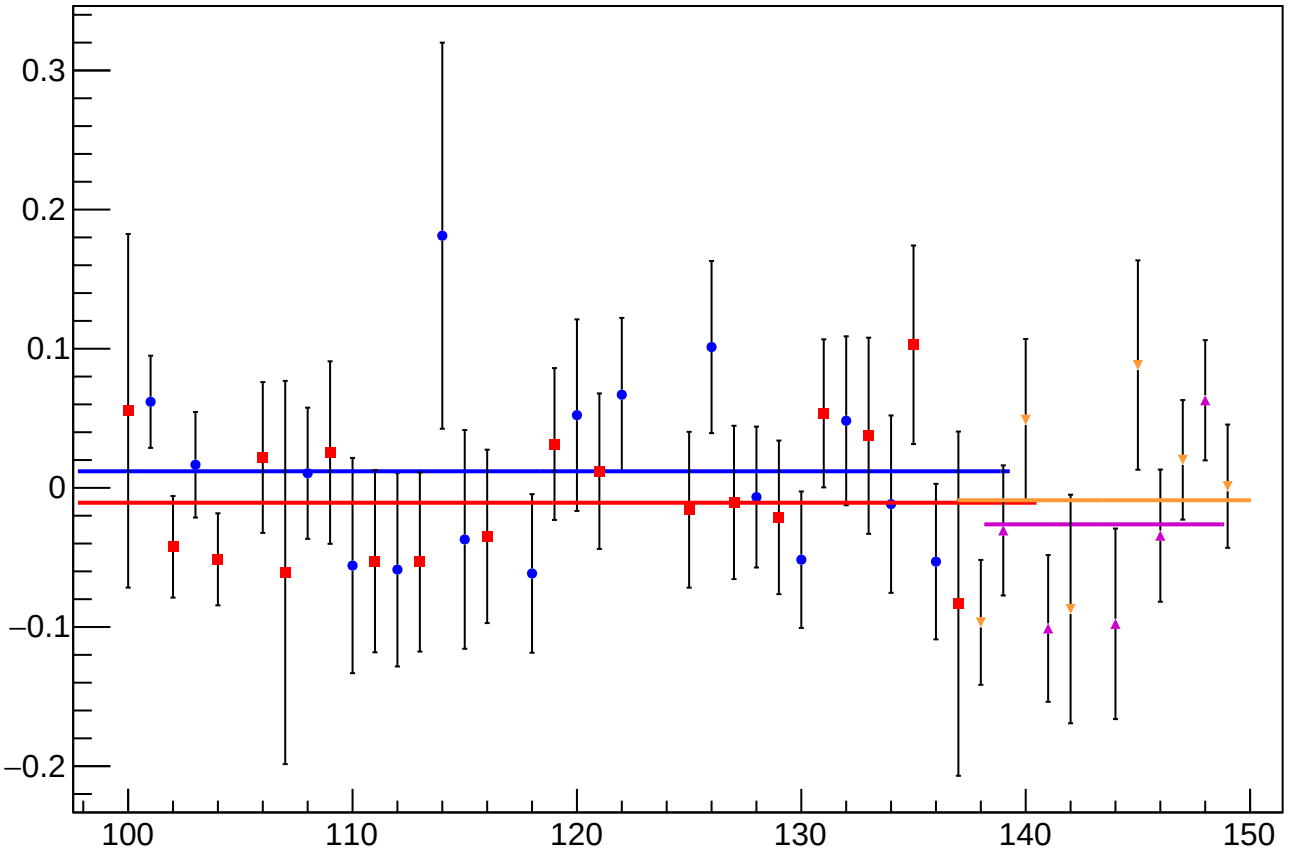
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

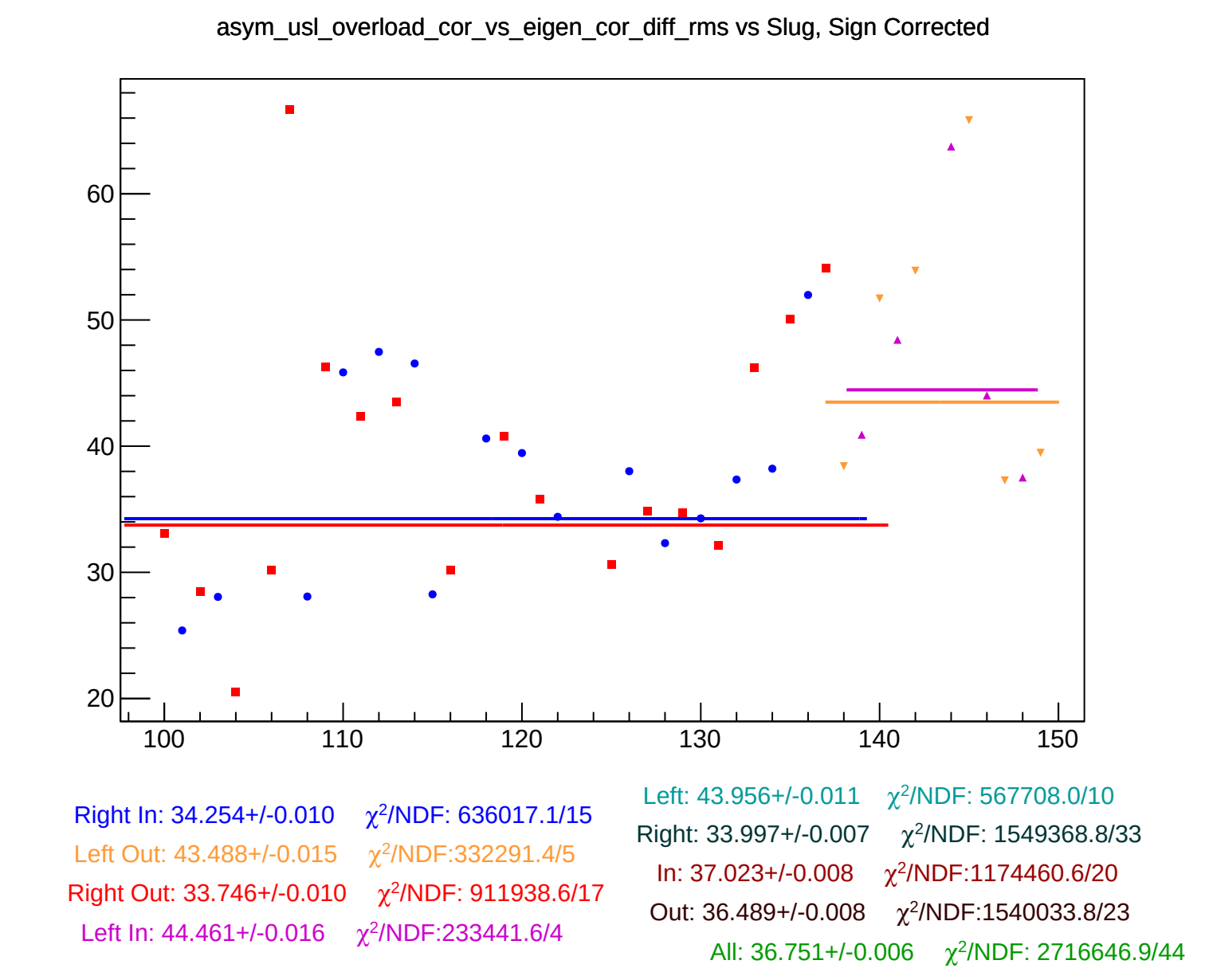
In: 0.002+/-0.012 χ^2/NDF:24.2/20

Out: -0.010+/-0.011 χ^2/NDF:17.8/23

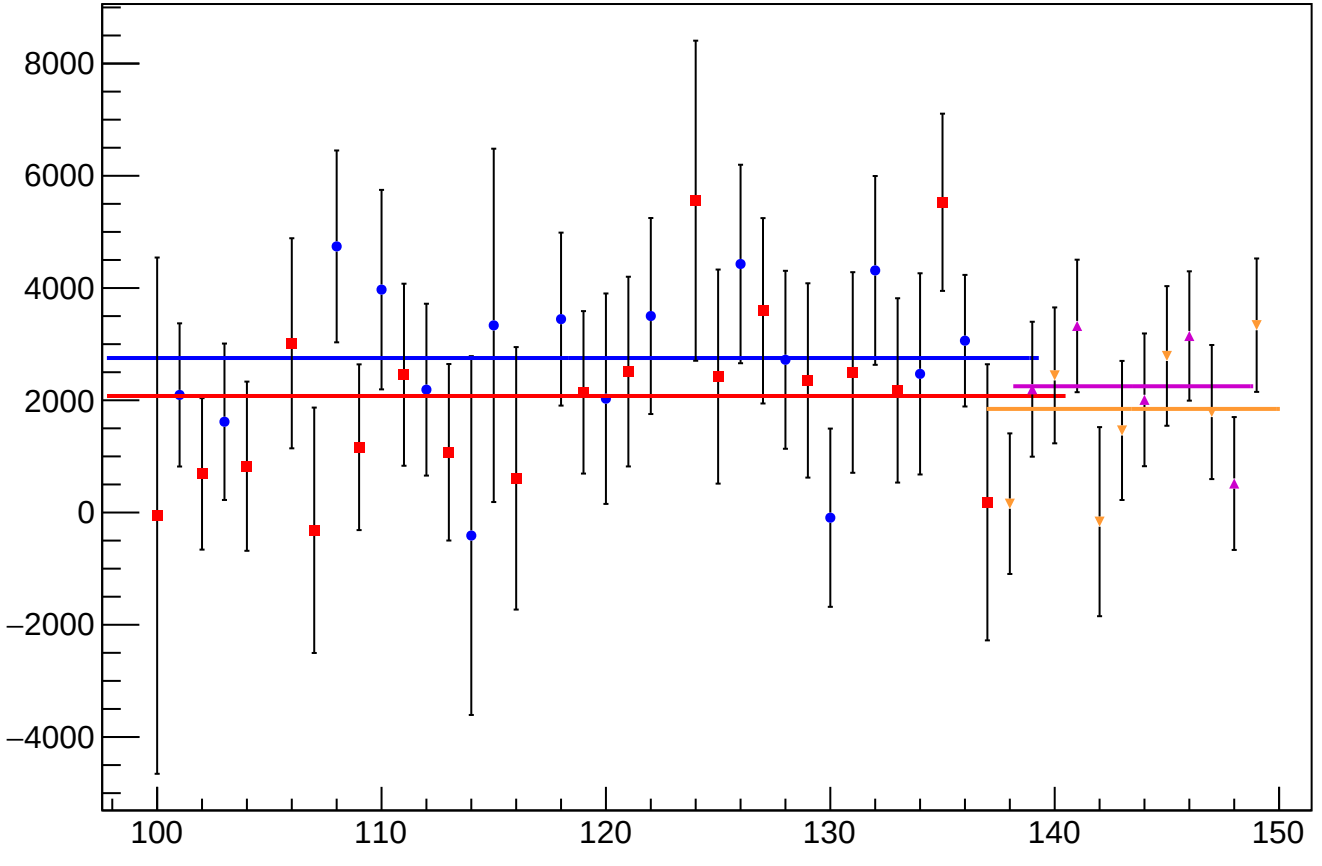
All: -0.004+/-0.008 χ^2/NDF: 42.6/44


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 43.488+/-0.015 χ²/NDF:332291.4/5
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 44.461+/-0.016 χ²/NDF:233441.6/4
Left: 43.956+/-0.011 χ²/NDF: 567708.0/10
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.023+/-0.008 χ²/NDF:1174460.6/20
Out: 36.489+/-0.008 χ²/NDF:1540033.8/23
All: 36.751+/-0.006 χ²/NDF: 2716646.9/44


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.009+/-0.021 χ²/NDF:7.9/5
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.026+/-0.022 χ²/NDF:7.4/4
Left: -0.017+/-0.015 χ²/NDF: 15.6/10
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: 0.002+/-0.012 χ²/NDF:24.2/20
Out: -0.010+/-0.011 χ²/NDF:17.8/23
All: -0.004+/-0.008 χ²/NDF: 42.6/44


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 43.488+/-0.015 χ²/NDF:332291.4/5
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 44.461+/-0.016 χ²/NDF:233441.6/4
Left: 43.956+/-0.011 χ²/NDF: 567708.0/10
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.023+/-0.008 χ²/NDF:1174460.6/20
Out: 36.489+/-0.008 χ²/NDF:1540033.8/23
All: 36.751+/-0.006 χ²/NDF: 2716646.9/44

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1846.204+/-477.951 χ^2/NDF:5.7/6

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: 2028.120+/-354.246 χ^2/NDF: 9.7/11

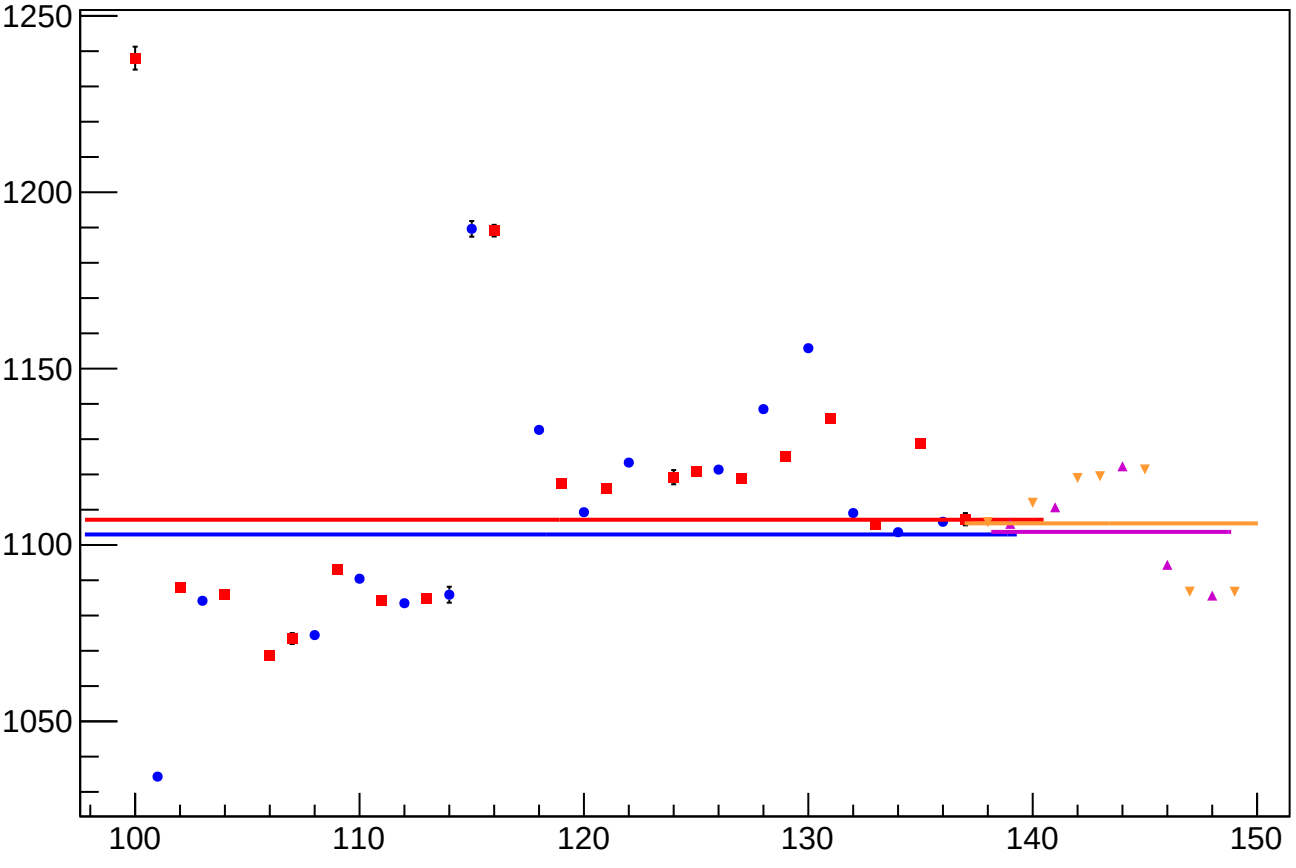
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2563.776+/-323.681 χ^2/NDF:13.7/20

Out: 1980.567+/-308.451 χ^2/NDF:18.4/25

All: 2258.127+/-223.298 χ^2/NDF: 33.8/46

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1106.127+/-0.338 χ^2/NDF:1754.6/6

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

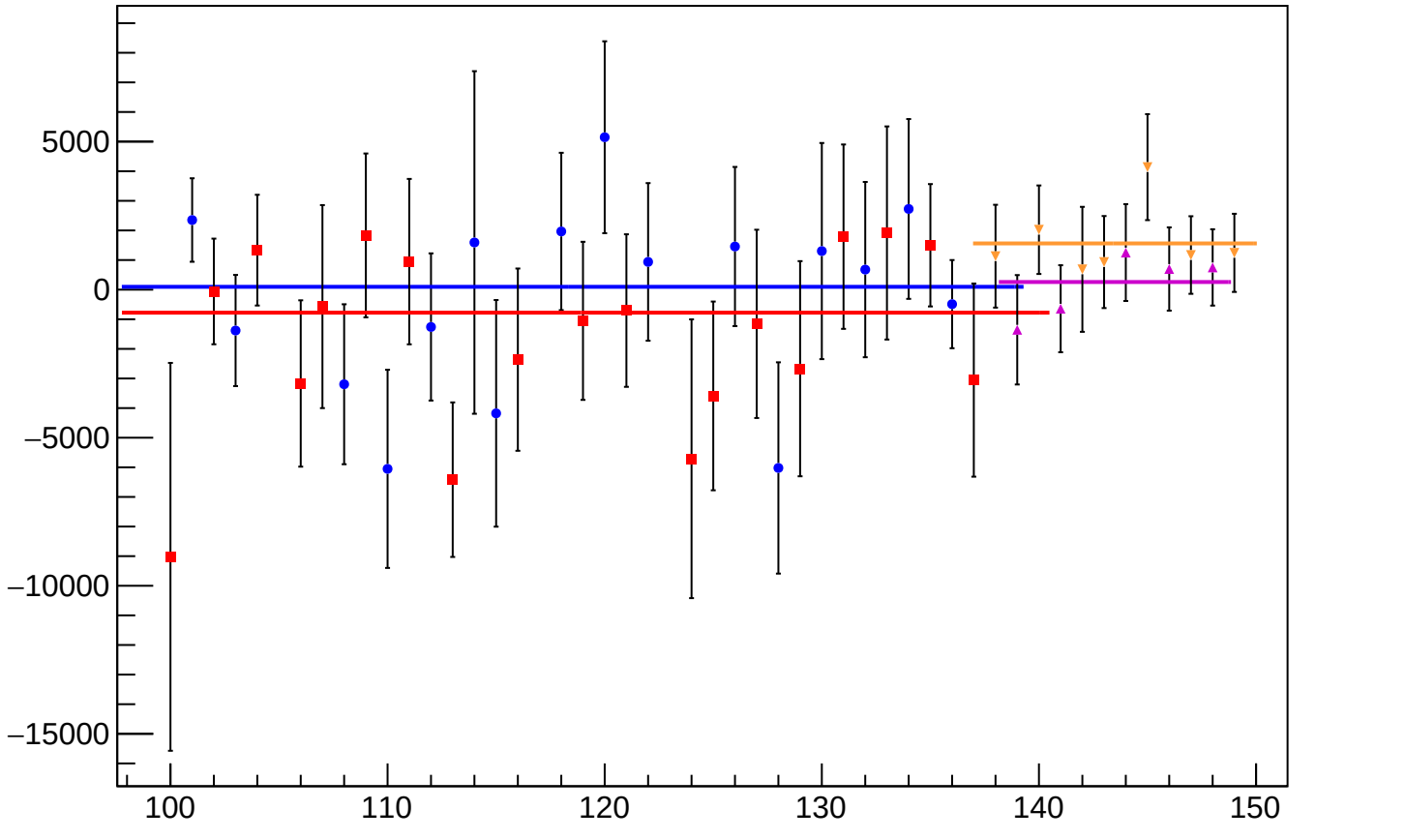
Left: 1105.038+/-0.250 χ^2/NDF: 2945.7/11

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.260+/-0.229 χ^2/NDF:14394.2/20

Out: 1106.729+/-0.218 χ^2/NDF:10443.4/25

All: 1105.078+/-0.158 χ^2/NDF: 24958.0/46



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1561.199+/-588.514 χ^2/NDF:2.7/6

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 258.003+/-668.430 χ^2/NDF:1.8/4

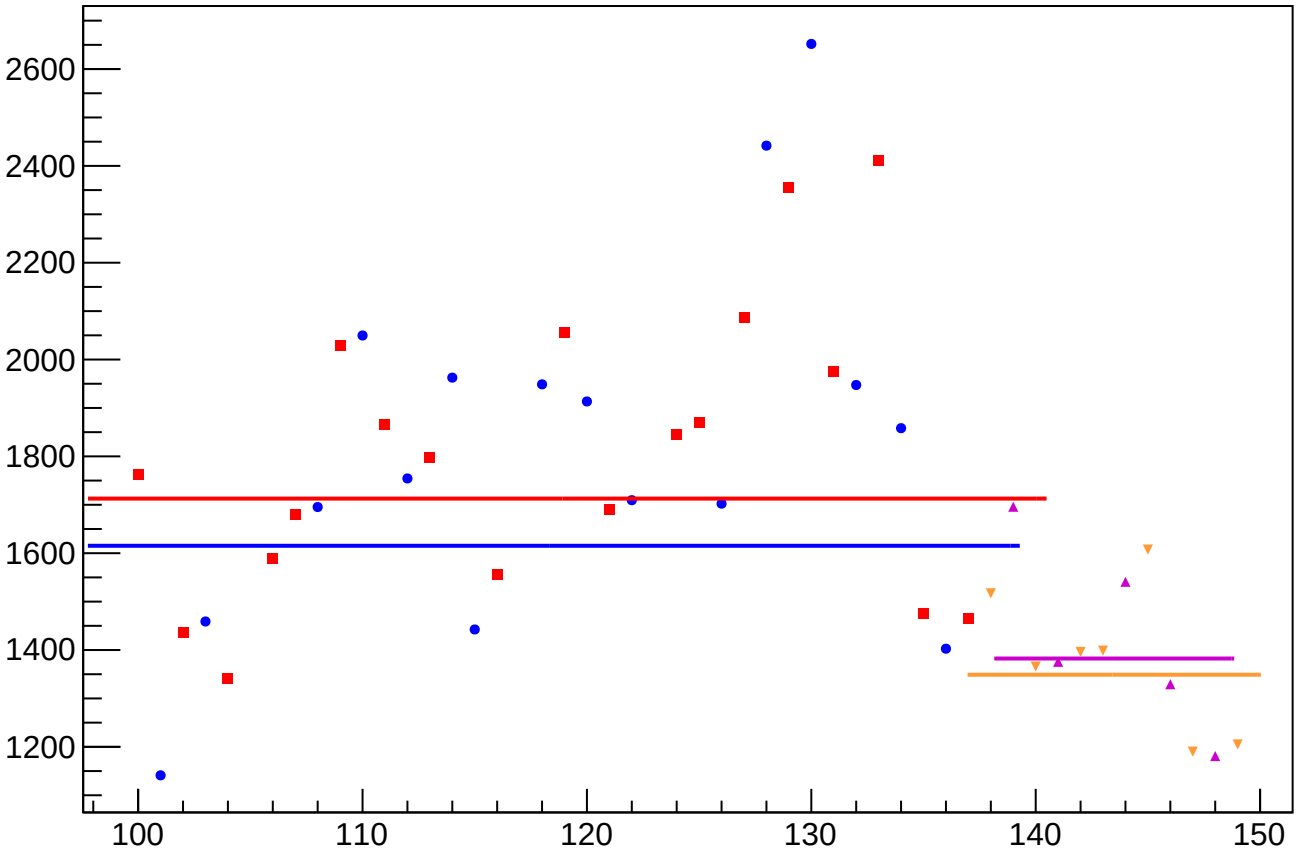
Left: 992.124+/-441.709 χ^2/NDF: 6.6/11

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 170.649+/-453.812 χ^2/NDF:18.7/20

Out: 484.403+/-432.258 χ^2/NDF:25.1/25

All: 335.154+/-312.995 χ^2/NDF: 44.0/46



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1348.970+/-0.416 χ^2/NDF:117038.4/6

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: 1363.597+/-0.312 χ^2/NDF: 248011.0/11

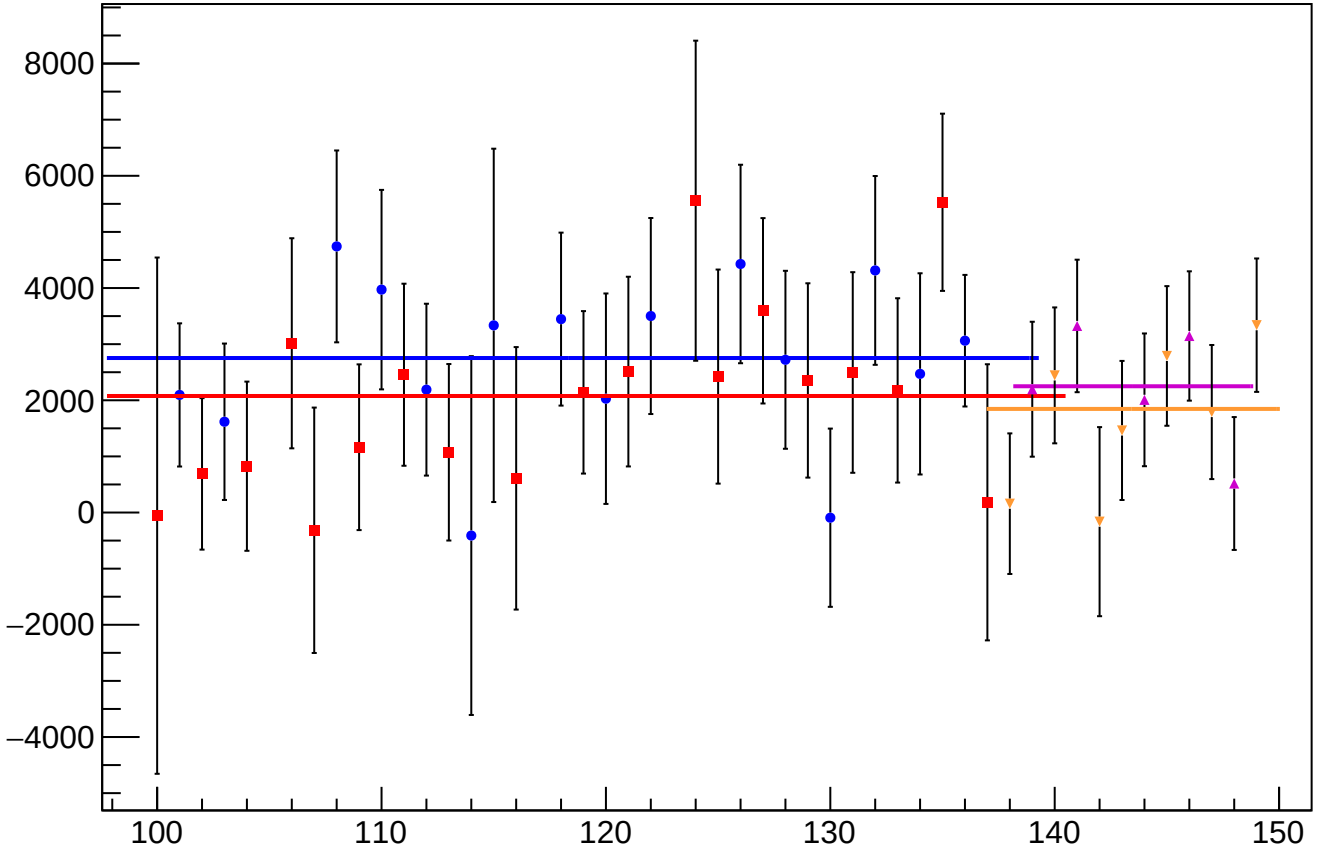
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1507.988+/-0.321 χ^2/NDF:952602.5/20

Out: 1516.522+/-0.306 χ^2/NDF:897118.7/25

All: 1512.462+/-0.221 χ^2/NDF: 1850092.1/46

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1846.204+/-477.951 χ^2/NDF:5.7/6

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: 2028.120+/-354.246 χ^2/NDF: 9.7/11

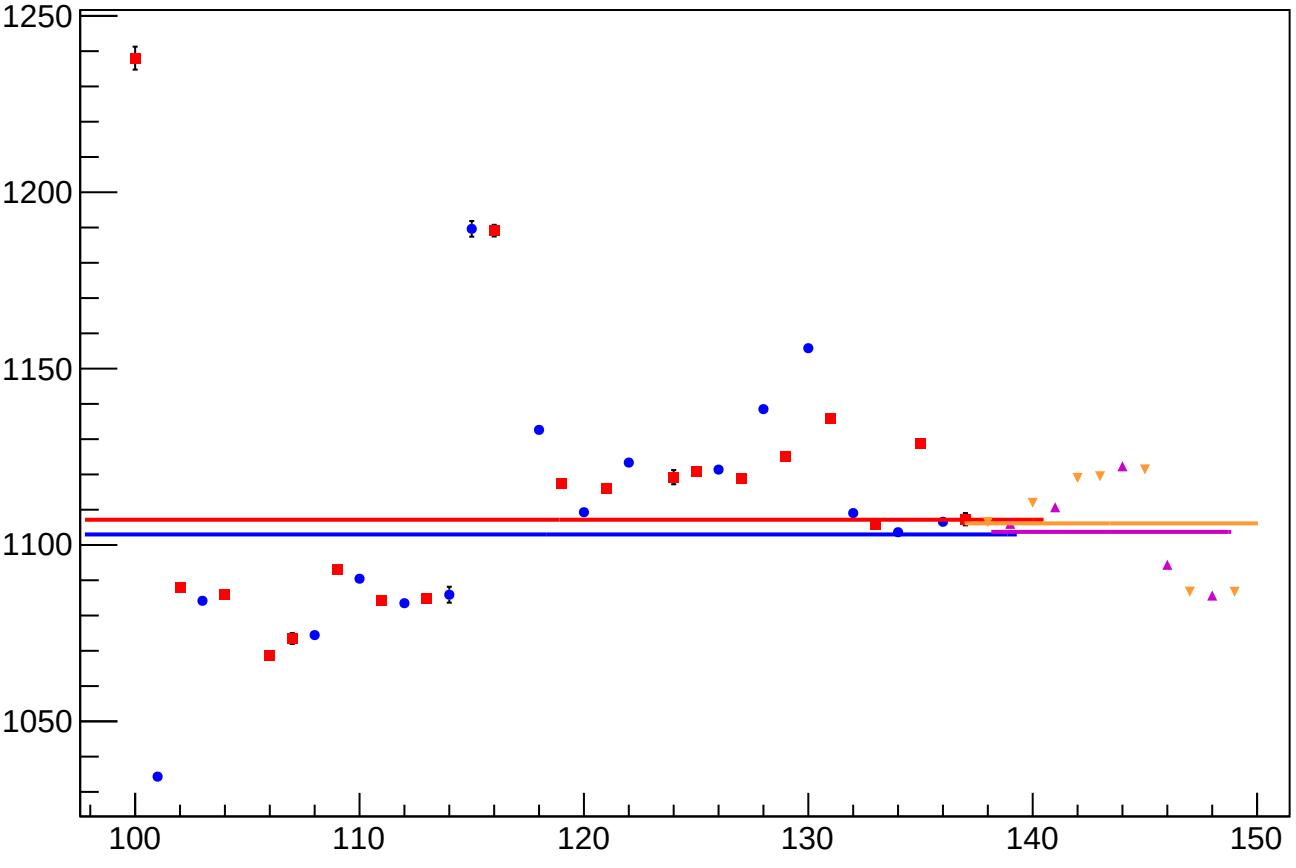
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2563.776+/-323.681 χ^2/NDF:13.7/20

Out: 1980.567+/-308.451 χ^2/NDF:18.4/25

All: 2258.127+/-223.298 χ^2/NDF: 33.8/46

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1106.127+/-0.338 χ^2/NDF:1754.6/6

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

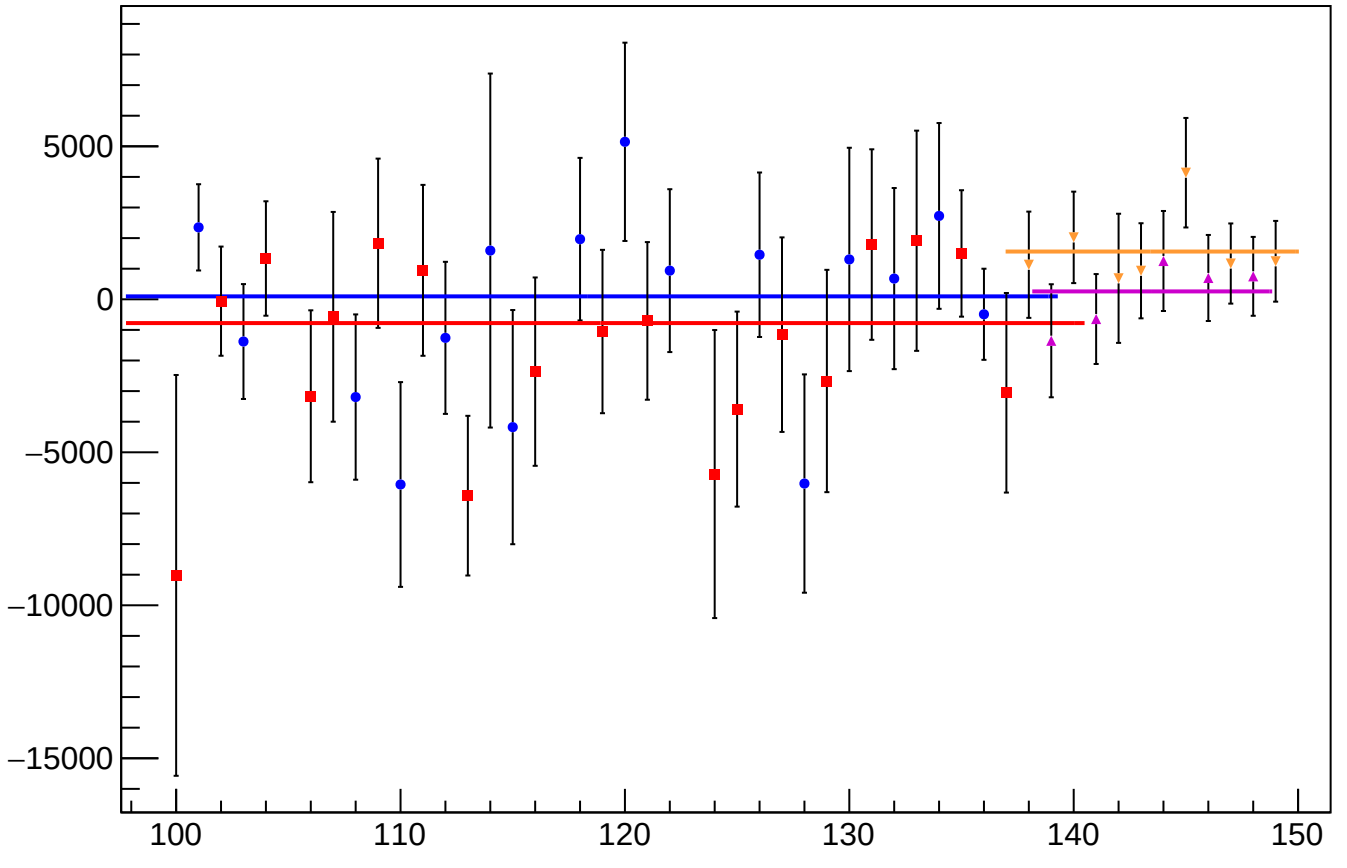
Left: 1105.038+/-0.250 χ^2/NDF: 2945.7/11

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.260+/-0.229 χ^2/NDF:14394.2/20

Out: 1106.729+/-0.218 χ^2/NDF:10443.4/25

All: 1105.078+/-0.158 χ^2/NDF: 24958.0/46



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1561.199+/-588.514 χ^2/NDF:2.7/6

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: 992.124+/-441.709 χ^2/NDF: 6.6/11

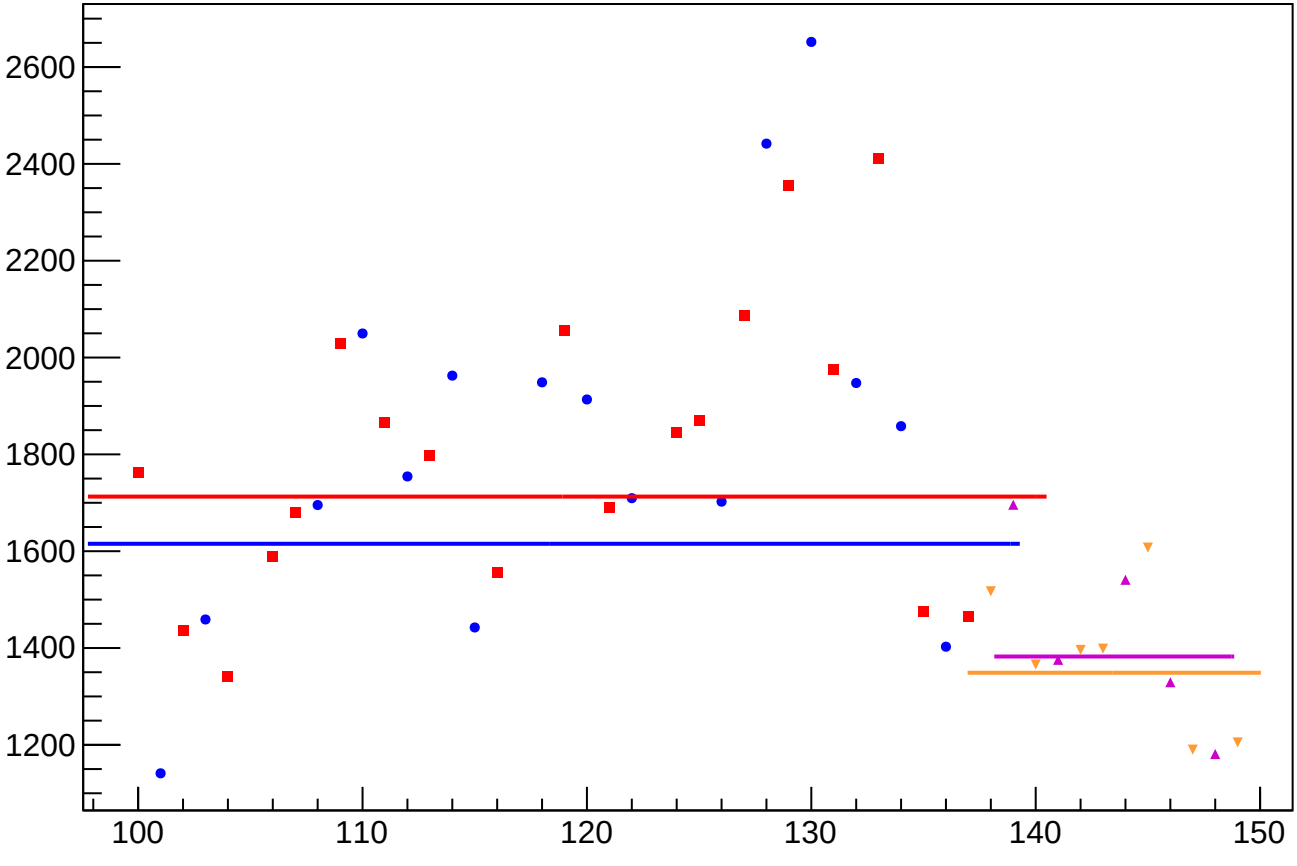
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 170.649+/-453.812 χ^2/NDF:18.7/20

Out: 484.403+/-432.258 χ^2/NDF:25.1/25

All: 335.154+/-312.995 χ^2/NDF: 44.0/46

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1348.970+/-0.416 χ^2/NDF:117038.4/6

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1382.467+/-0.473 χ^2/NDF:128143.2/4

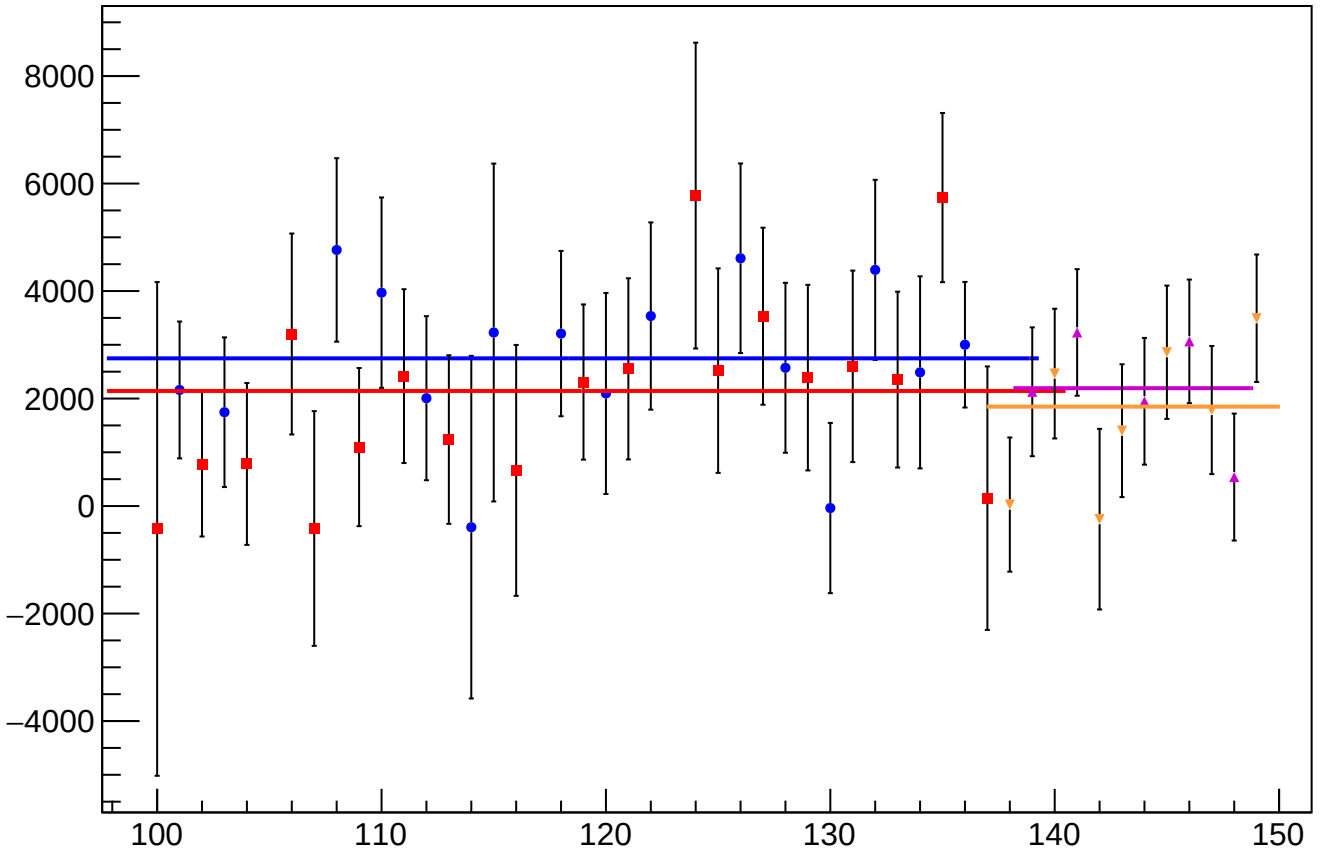
Left: 1363.597+/-0.312 χ^2/NDF: 248011.0/11

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1507.988+/-0.321 χ^2/NDF:952602.5/20

Out: 1516.522+/-0.306 χ^2/NDF:897118.7/25

All: 1512.462+/-0.221 χ^2/NDF: 1850092.1/46



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1849.756+/-476.593 χ^2/NDF:6.7/6

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: 2004.306+/-353.277 χ^2/NDF: 10.3/11

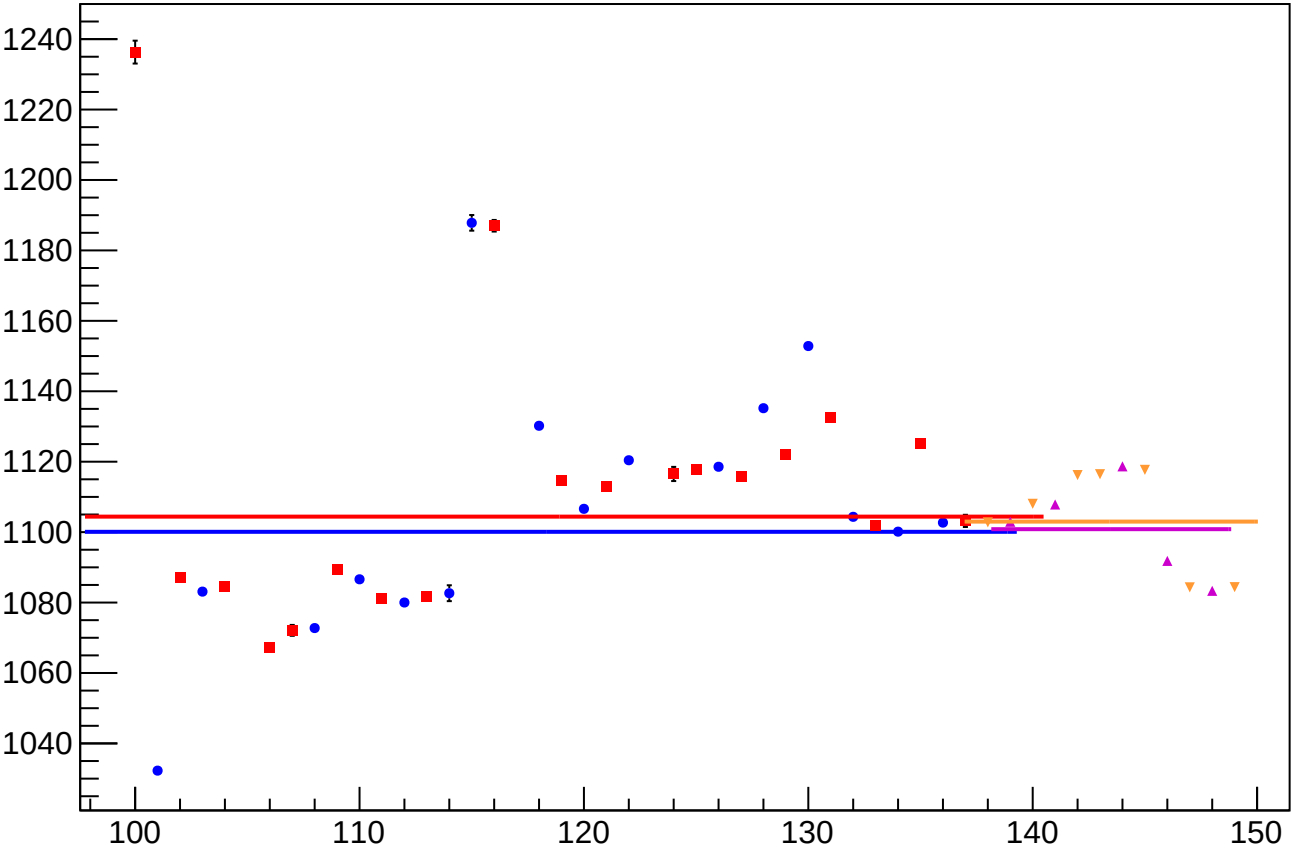
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2539.070+/-322.833 χ^2/NDF:13.6/20

Out: 2019.749+/-307.637 χ^2/NDF:20.4/25

All: 2266.900+/-222.710 χ^2/NDF: 35.3/46

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1102.991+/-0.337 χ^2/NDF:1660.4/6

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1100.839+/-0.372 χ^2/NDF:1097.2/4

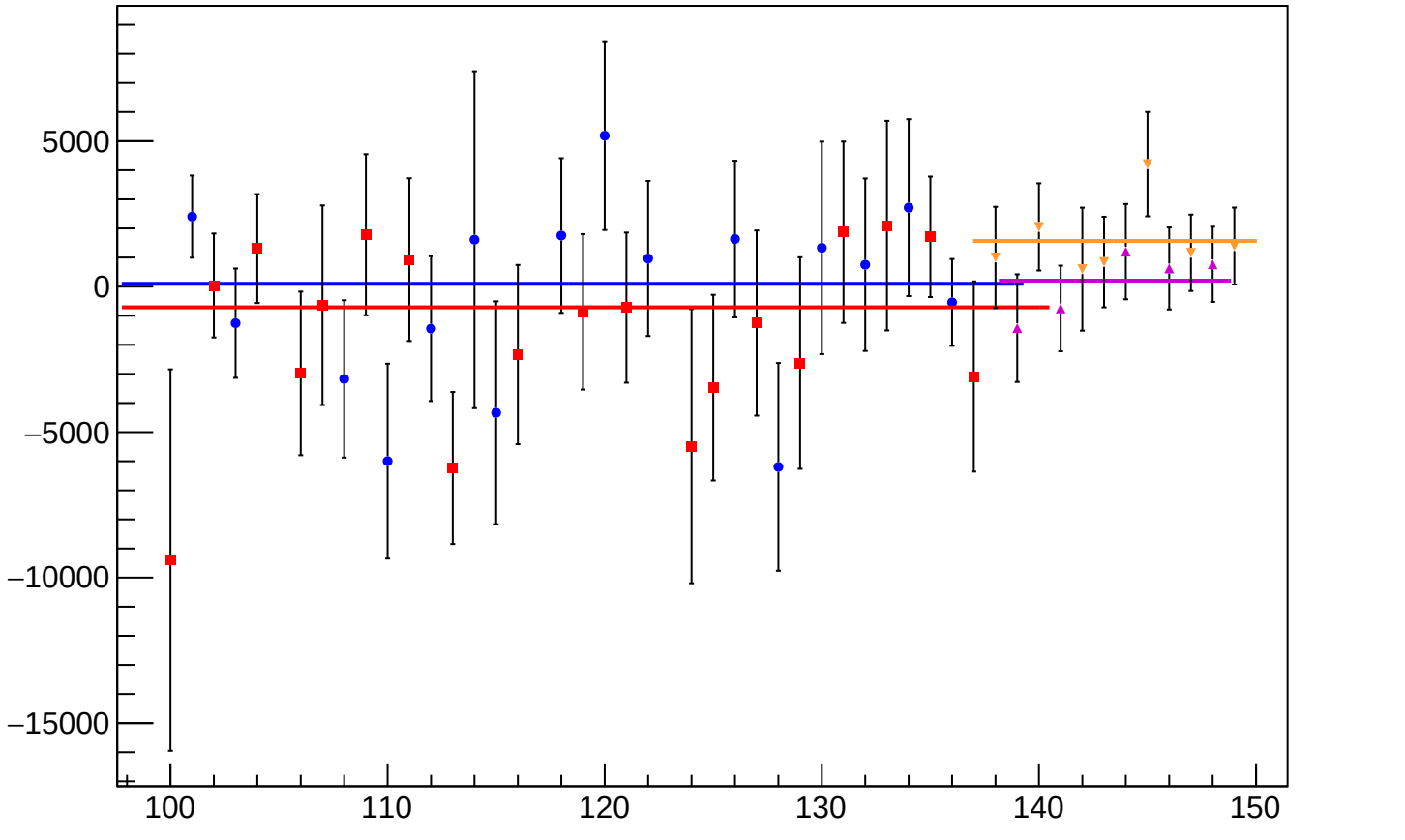
Left: 1102.021+/-0.250 χ^2/NDF: 2775.9/11

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1100.372+/-0.228 χ^2/NDF:14176.8/20

Out: 1103.814+/-0.218 χ^2/NDF:10214.1/25

All: 1102.176+/-0.157 χ^2/NDF: 24510.1/46



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1568.492+/-589.598 χ^2/NDF:2.9/6

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: 973.199+/-442.483 χ^2/NDF: 7.1/11

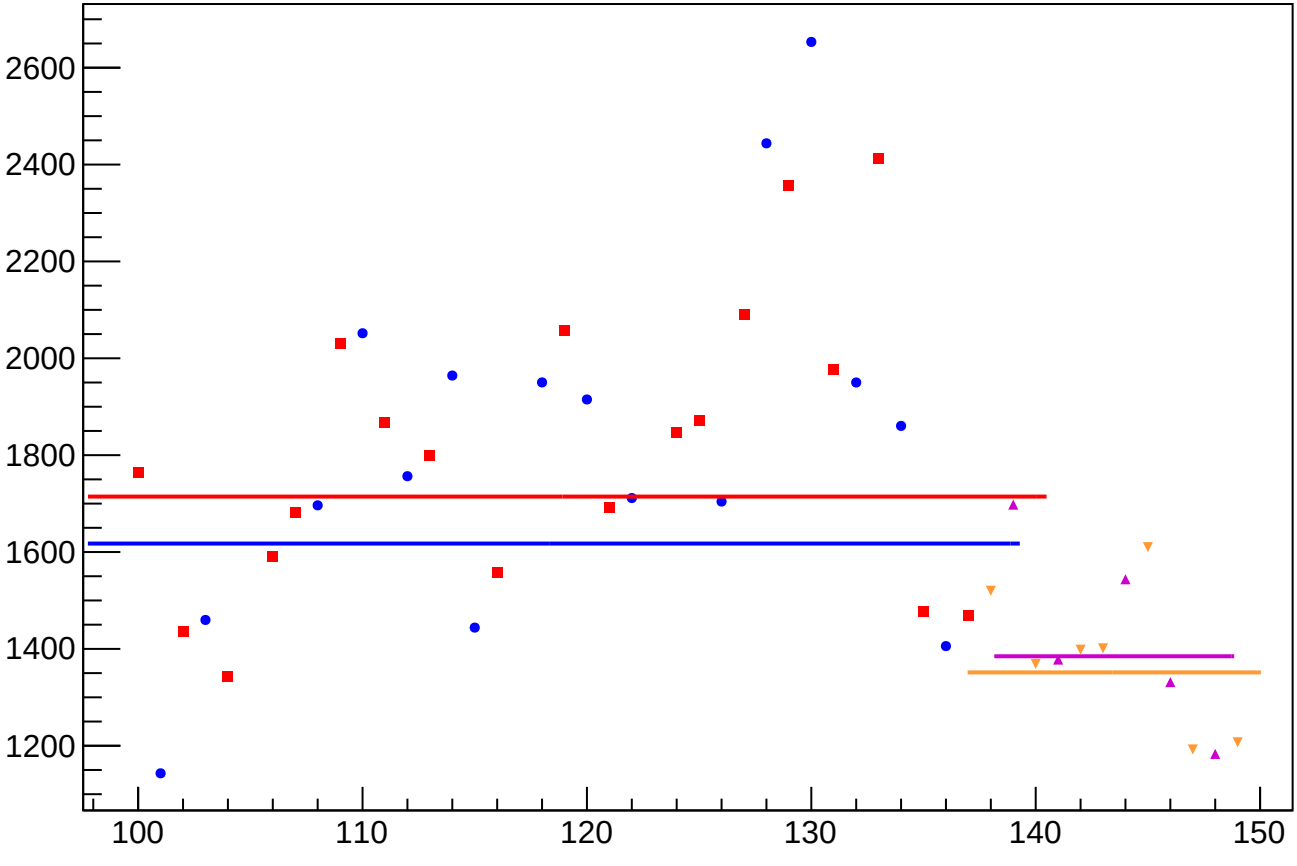
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 147.258+/-454.463 χ^2/NDF:19.1/20

Out: 517.617+/-432.881 χ^2/NDF:24.7/25

All: 341.440+/-313.445 χ^2/NDF: 44.2/46

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1351.487+/-0.417 χ^2/NDF:116950.4/6

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1384.781+/-0.473 χ^2/NDF:127826.4/4

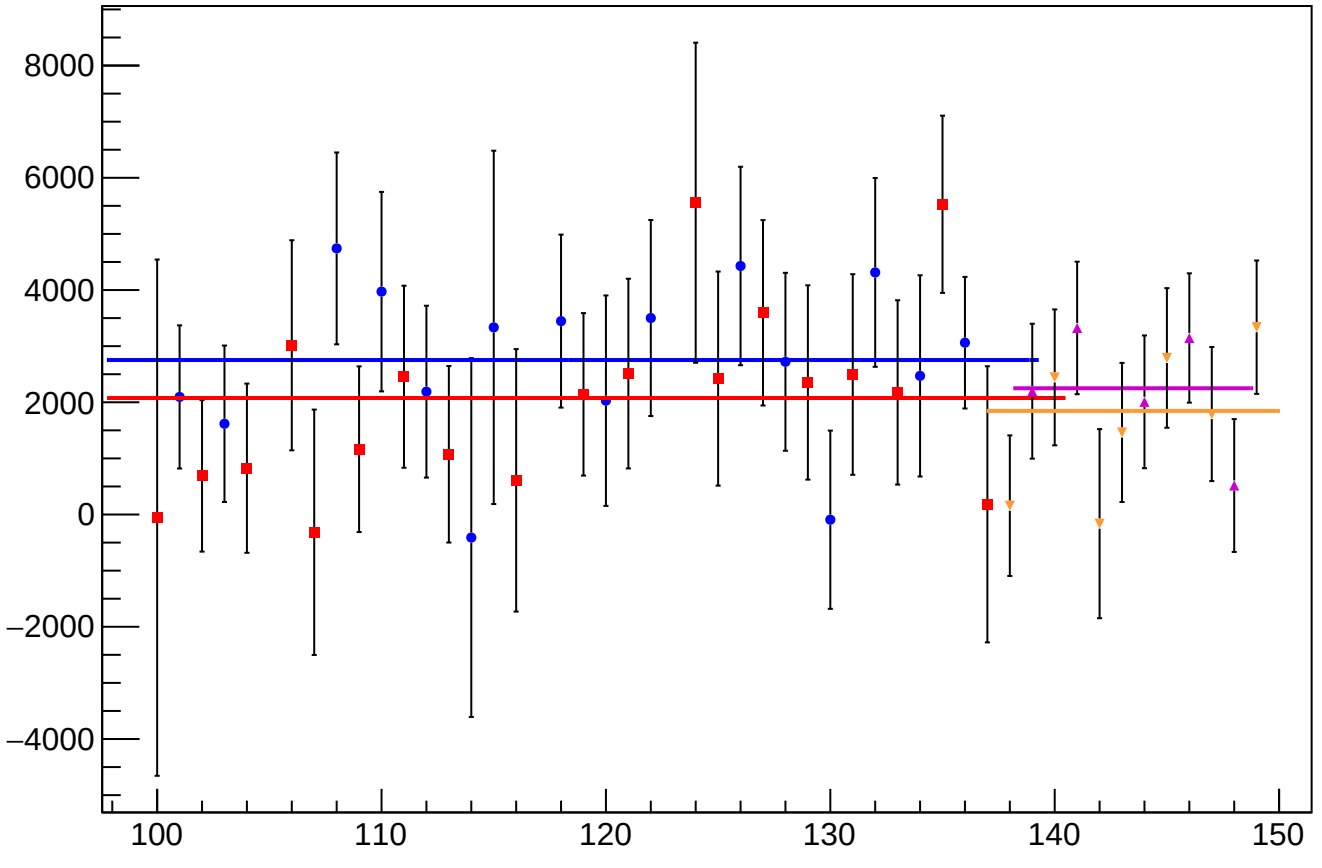
Left: 1366.029+/-0.313 χ^2/NDF: 247562.4/11

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

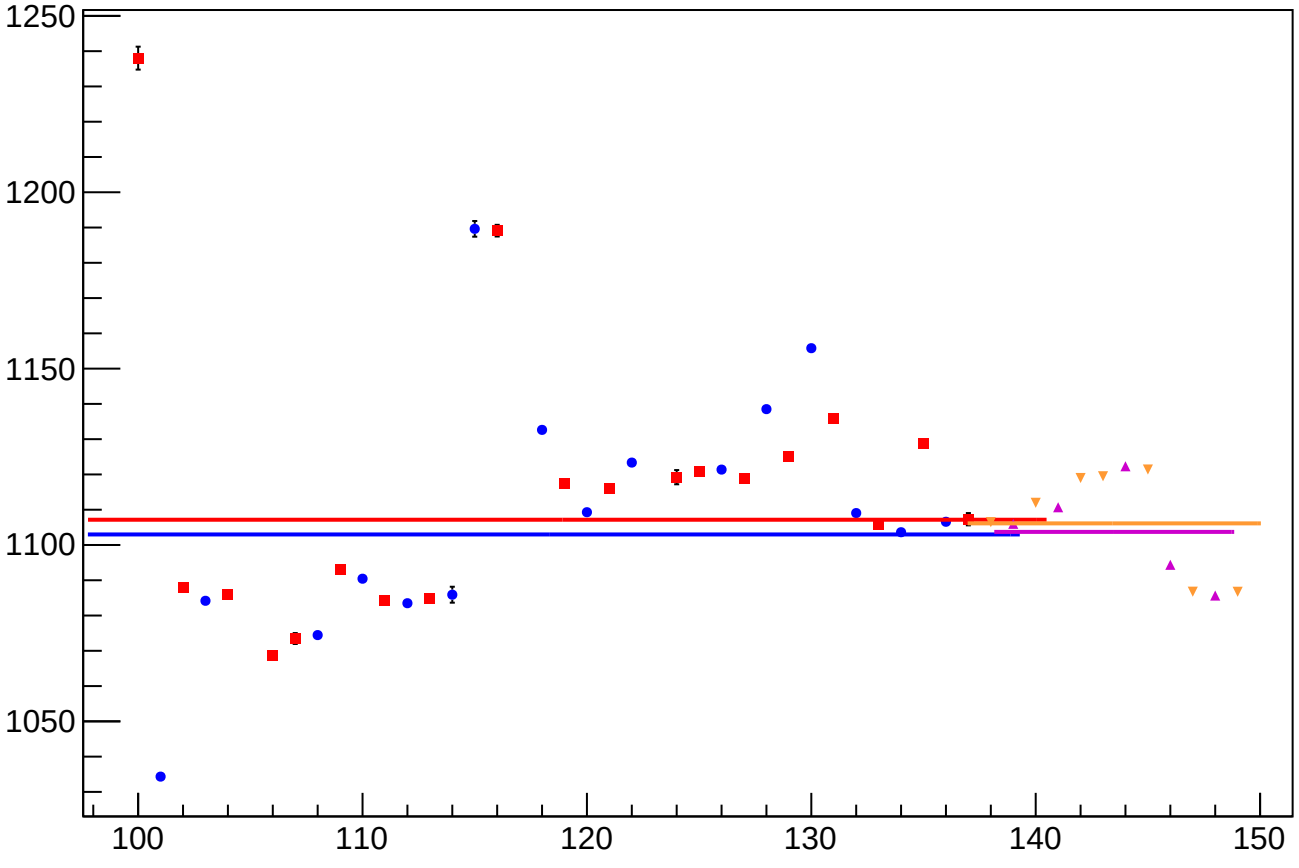
In: 1510.270+/-0.321 χ^2/NDF:949844.1/20

Out: 1518.823+/-0.306 χ^2/NDF:894154.0/25

All: 1514.754+/-0.222 χ^2/NDF: 1844369.6/46


eigen_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 1846.204+/-477.951 χ²/NDF:5.7/6
Right Out: 2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: 2249.871+/-527.692 χ²/NDF:3.6/4
Left: 2028.120+/-354.246 χ²/NDF: 9.7/11
Right: 2409.773+/-287.639 χ²/NDF: 23.4/34
In: 2563.776+/-323.681 χ²/NDF:13.7/20
Out: 1980.567+/-308.451 χ²/NDF:18.4/25
All: 2258.127+/-223.298 χ²/NDF: 33.8/46

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1106.127+/-0.338 χ^2/NDF:1754.6/6

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1103.712+/-0.373 χ^2/NDF:1168.0/4

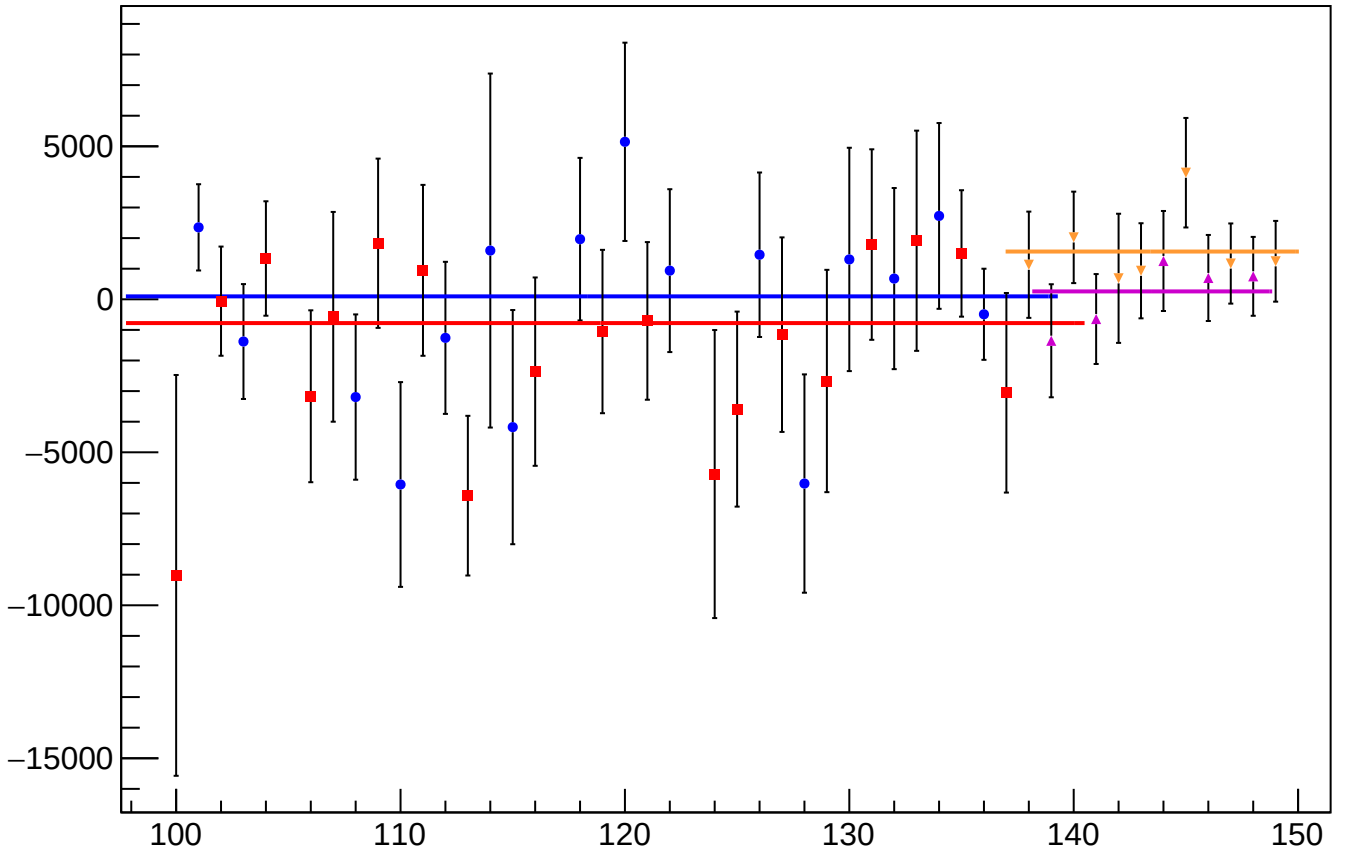
Left: 1105.038+/-0.250 χ^2/NDF: 2945.7/11

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1103.260+/-0.229 χ^2/NDF:14394.2/20

Out: 1106.729+/-0.218 χ^2/NDF:10443.4/25

All: 1105.078+/-0.158 χ^2/NDF: 24958.0/46



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1561.199+/-588.514 χ^2/NDF:2.7/6

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: 992.124+/-441.709 χ^2/NDF: 6.6/11

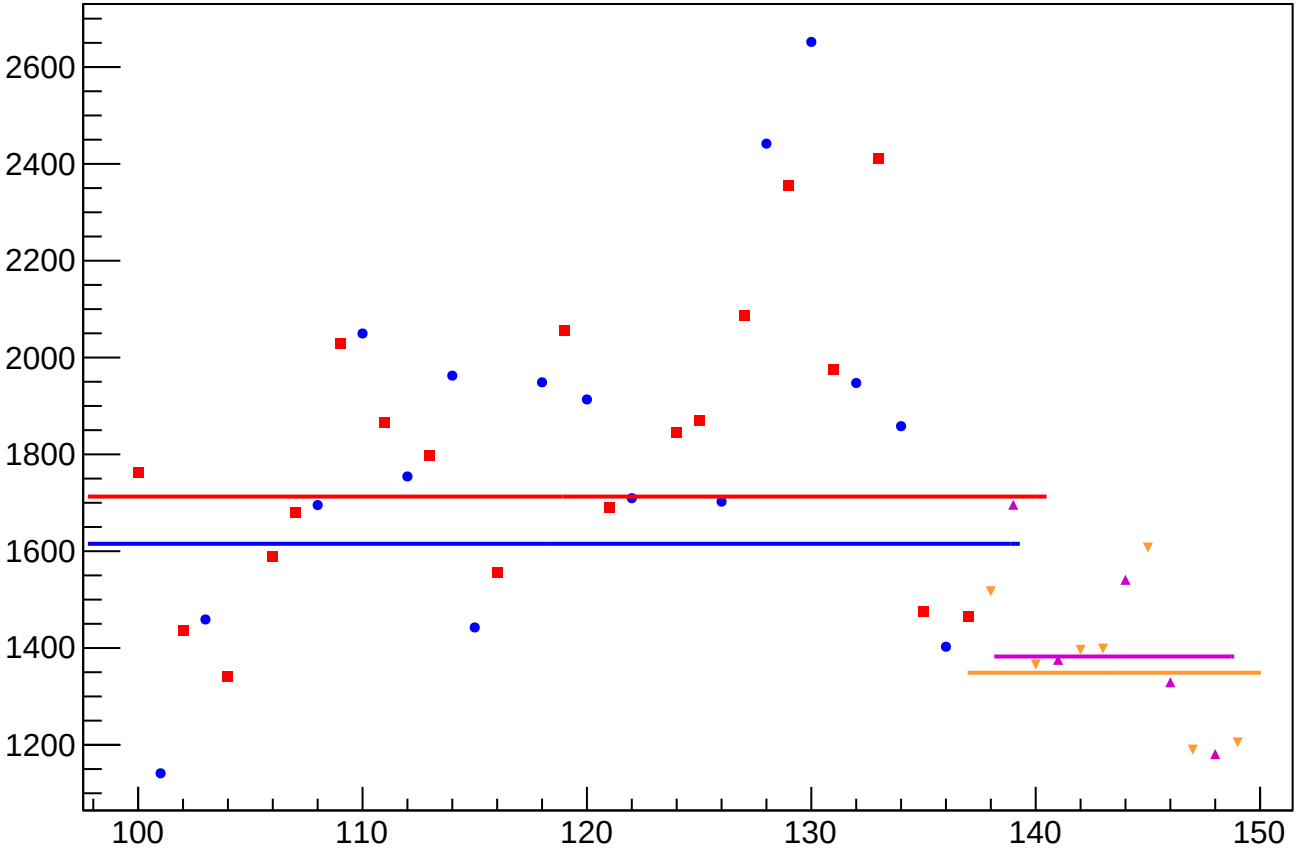
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 170.649+/-453.812 χ^2/NDF:18.7/20

Out: 484.403+/-432.258 χ^2/NDF:25.1/25

All: 335.154+/-312.995 χ^2/NDF: 44.0/46

asym_usr_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1348.970+/-0.416 χ^2/NDF:117038.4/6

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: 1363.597+/-0.312 χ^2/NDF: 248011.0/11

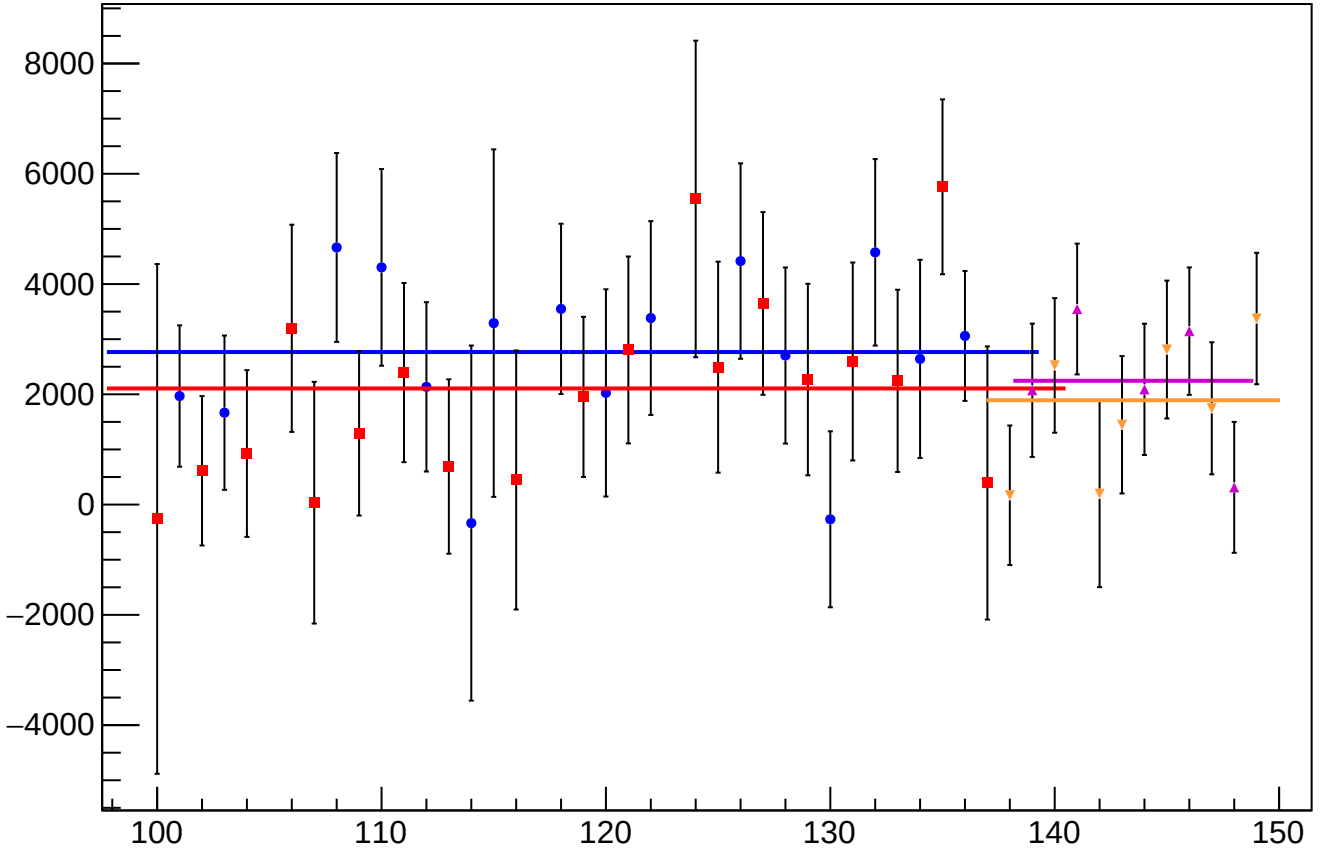
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1507.988+/-0.321 χ^2/NDF:952602.5/20

Out: 1516.522+/-0.306 χ^2/NDF:897118.7/25

All: 1512.462+/-0.221 χ^2/NDF: 1850092.1/46

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1892.496+/-480.610 χ^2/NDF:5.4/6

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: 2051.757+/-356.039 χ^2/NDF: 10.1/11

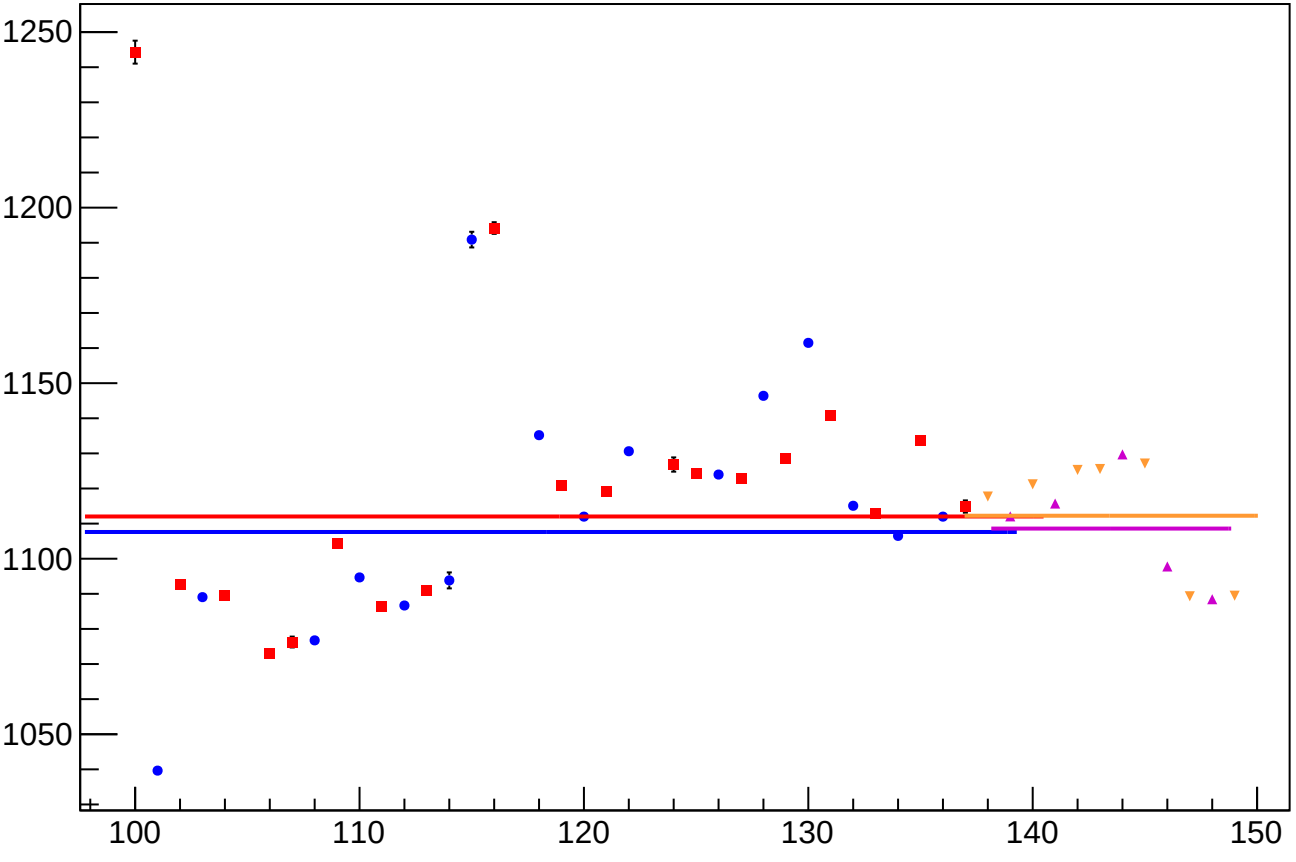
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2570.619+/-325.074 χ^2/NDF:15.4/20

Out: 2017.403+/-309.963 χ^2/NDF:18.8/25

All: 2280.855+/-224.329 χ^2/NDF: 35.8/46

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1112.242+/-0.340 χ^2/NDF:2239.4/6

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

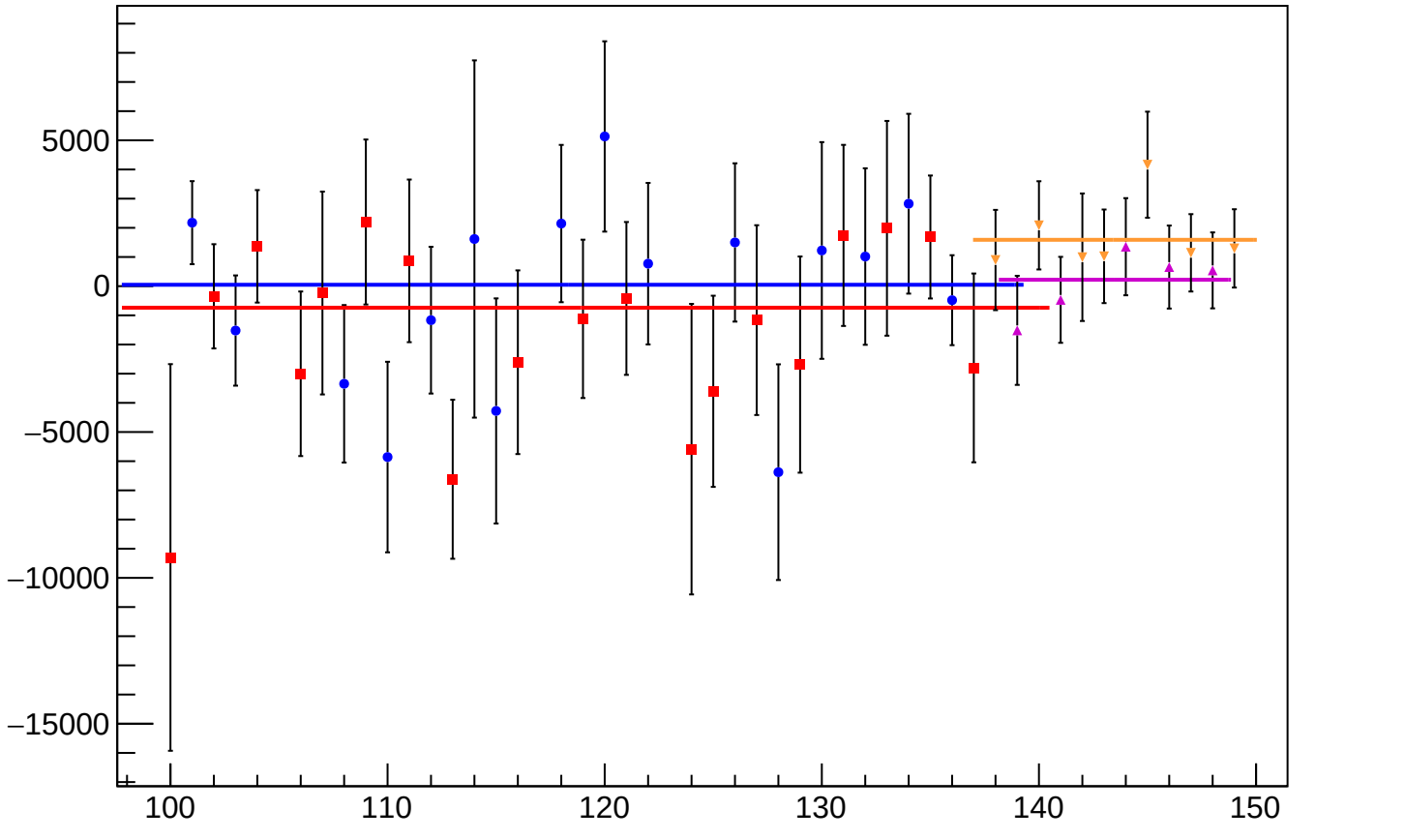
Left: 1110.592+/-0.252 χ^2/NDF: 3760.0/11

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1107.979+/-0.230 χ^2/NDF:14693.3/20

Out: 1112.118+/-0.219 χ^2/NDF:10893.1/25

All: 1110.147+/-0.159 χ^2/NDF: 25756.3/46



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1588.950+/-597.597 χ^2/NDF:2.6/6

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 219.815+/-675.565 χ^2/NDF:1.7/4

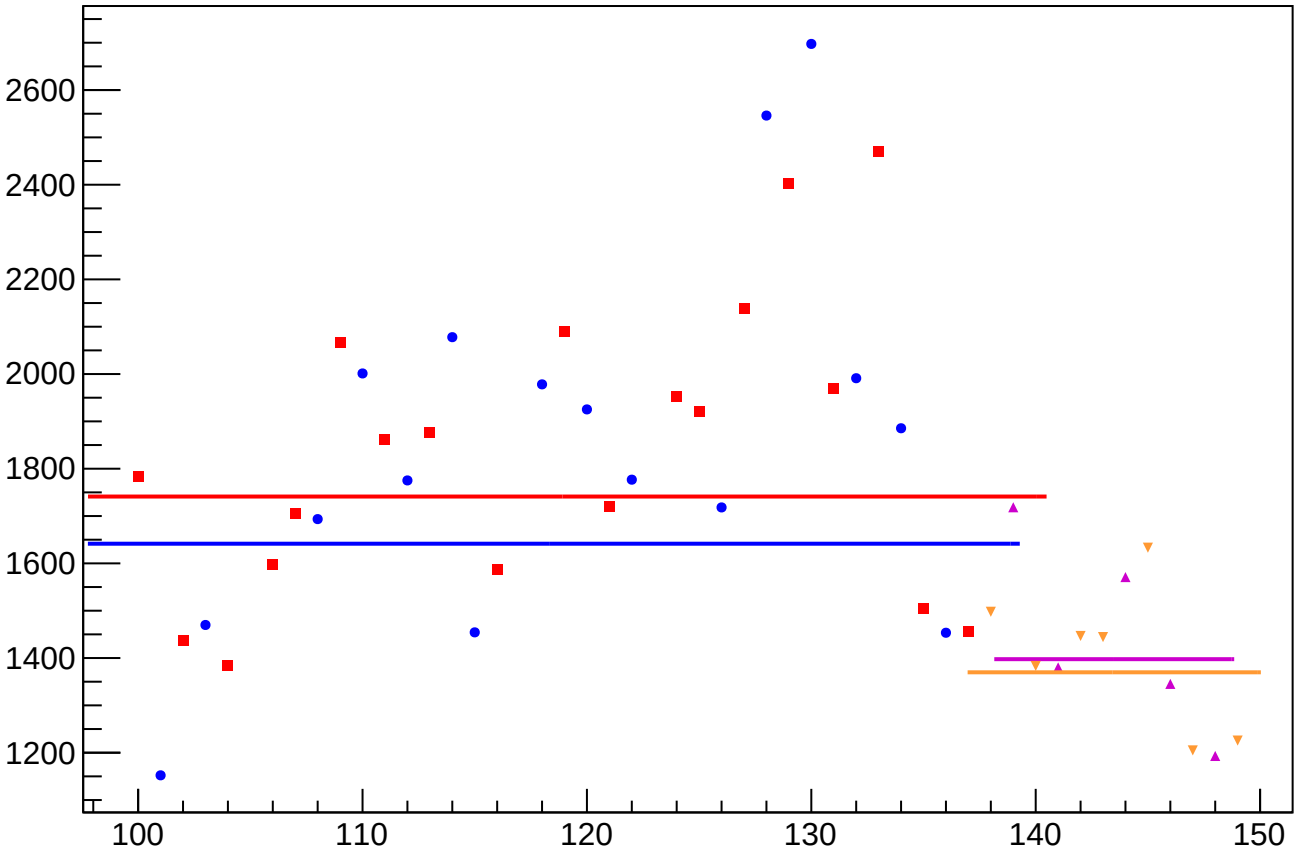
Left: 987.915+/-447.604 χ^2/NDF: 6.6/11

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 127.557+/-459.984 χ^2/NDF:18.6/20

Out: 519.031+/-439.241 χ^2/NDF:24.6/25

All: 332.320+/-317.670 χ^2/NDF: 43.5/46



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1369.837+/-0.423 χ^2/NDF:114029.3/6

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: 1382.026+/-0.317 χ^2/NDF: 248828.5/11

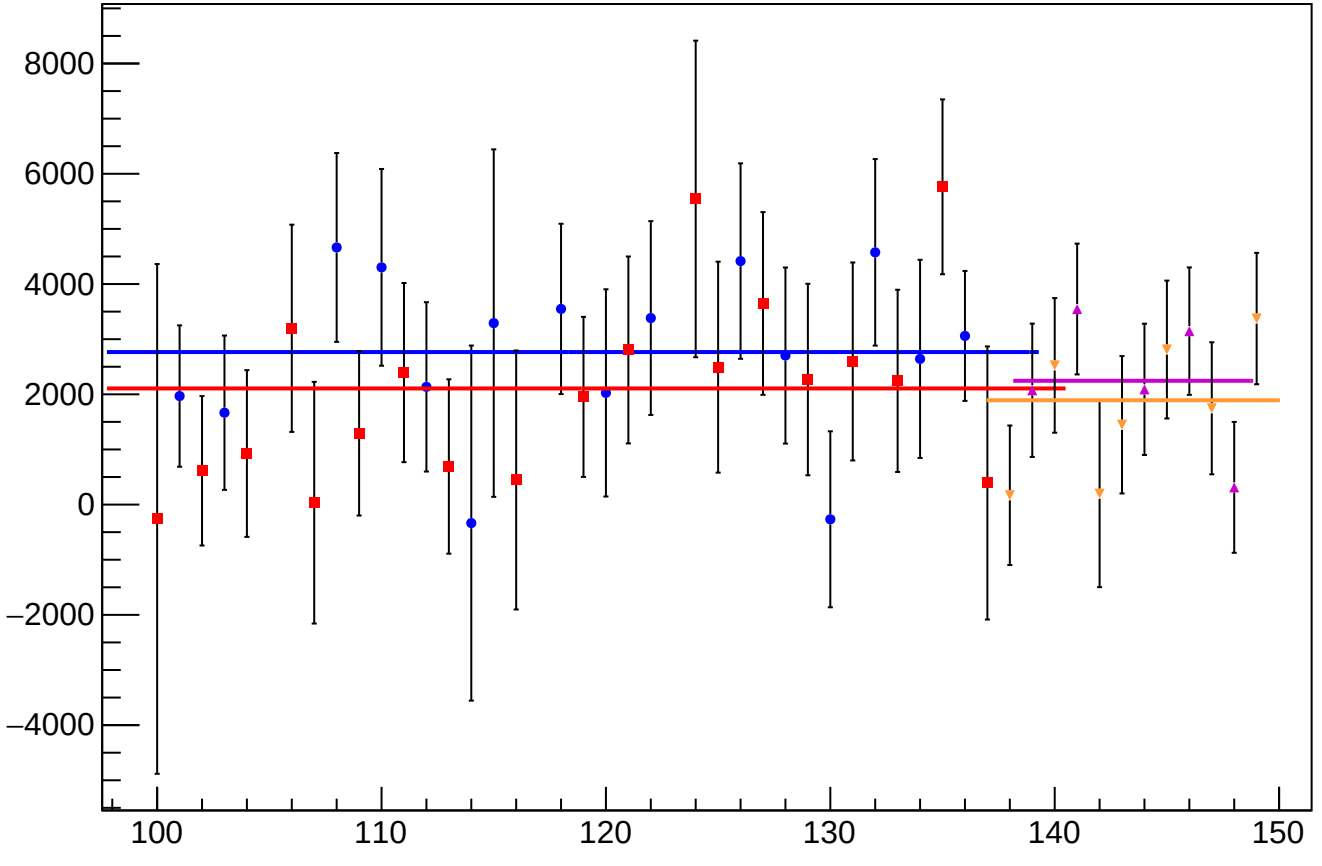
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1528.448+/-0.325 χ^2/NDF:974085.9/20

Out: 1540.574+/-0.311 χ^2/NDF:907456.3/25

All: 1534.791+/-0.225 χ^2/NDF: 1882269.2/46

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1892.498+/-480.610 χ^2/NDF:5.4/6

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2245.463+/-530.043 χ^2/NDF:4.5/4

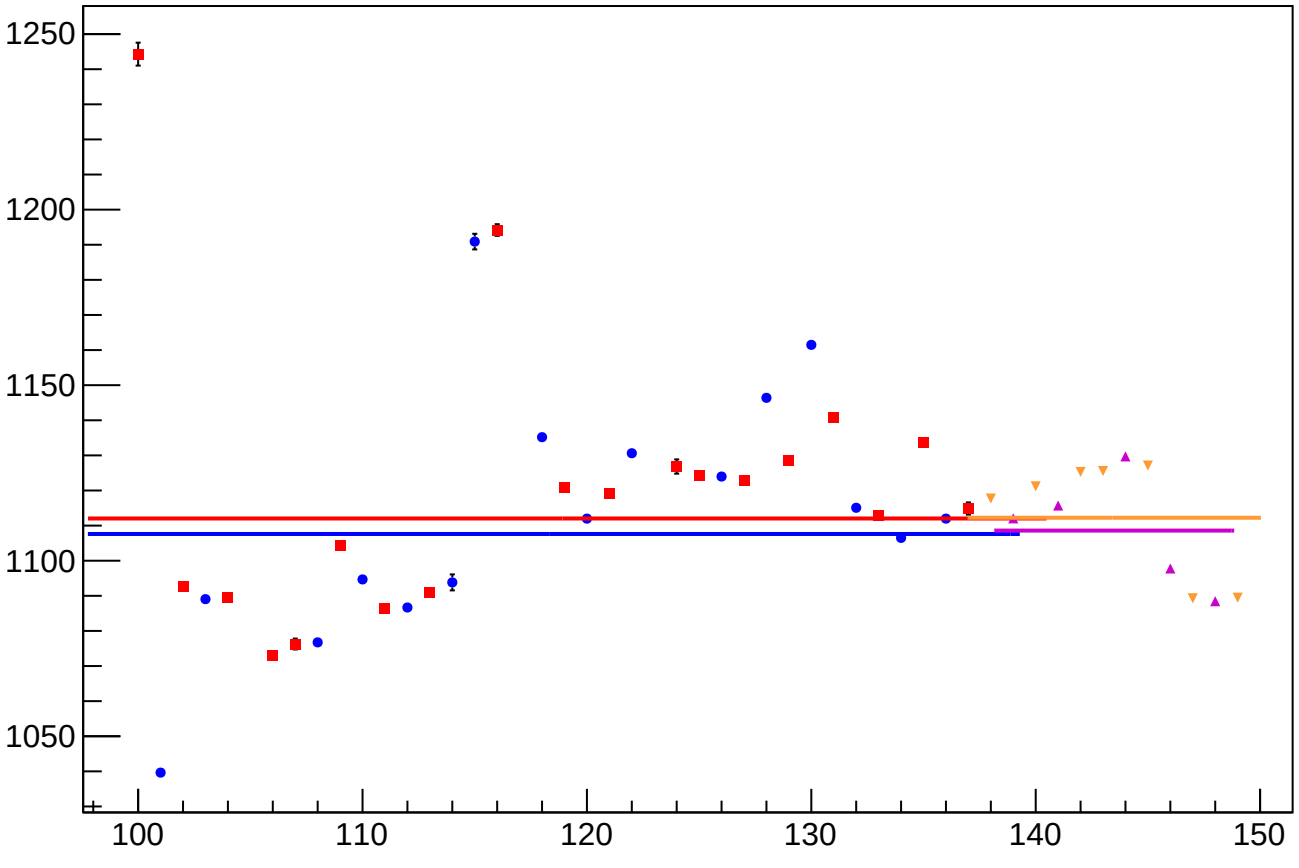
Left: 2051.757+/-356.039 χ^2/NDF: 10.1/11

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2570.618+/-325.074 χ^2/NDF:15.4/20

Out: 2017.405+/-309.963 χ^2/NDF:18.8/25

All: 2280.855+/-224.329 χ^2/NDF: 35.8/46



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1112.242+/-0.340 χ^2/NDF:2239.4/6

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1108.586+/-0.375 χ^2/NDF:1468.3/4

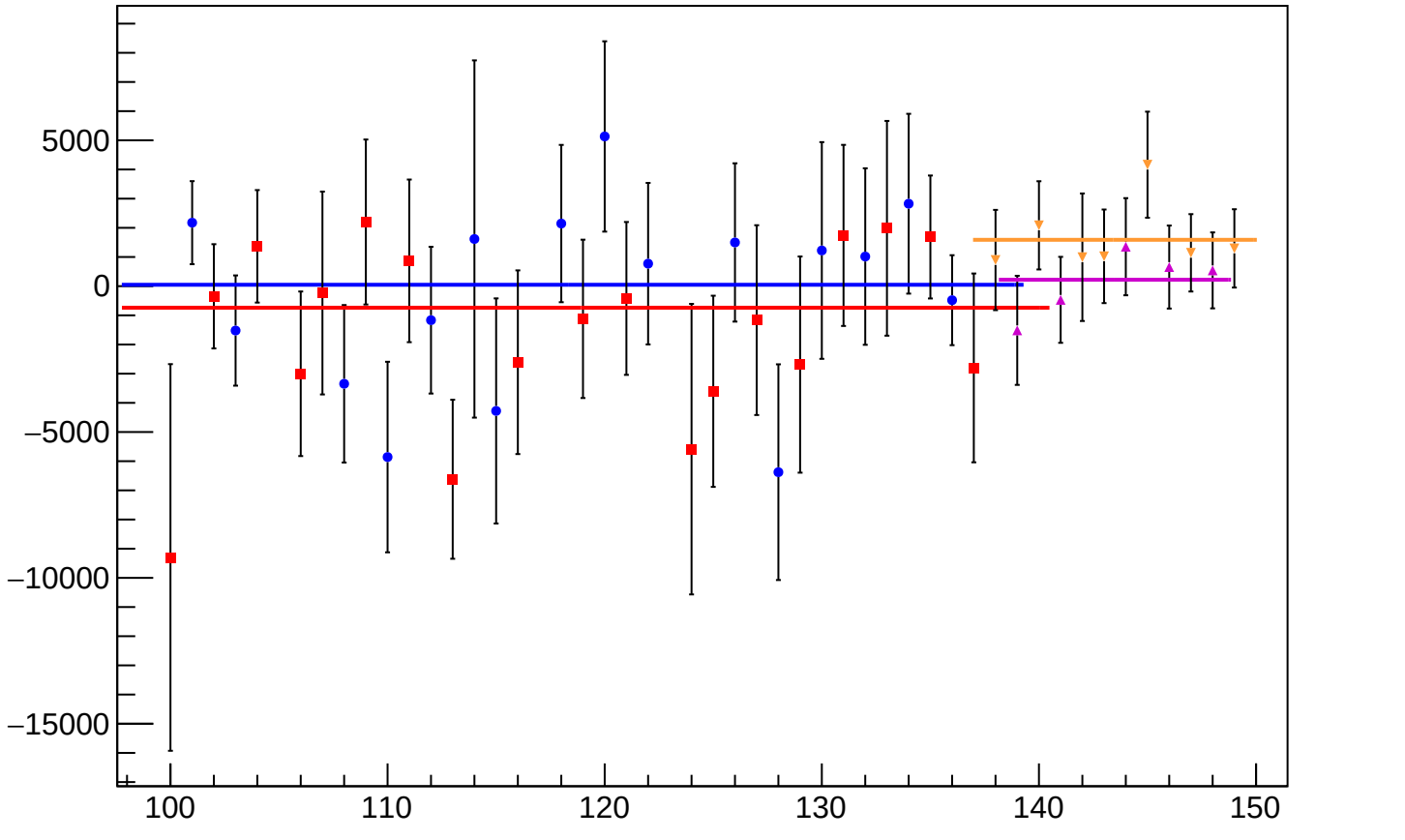
Left: 1110.592+/-0.252 χ^2/NDF: 3760.0/11

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1107.979+/-0.230 χ^2/NDF:14693.2/20

Out: 1112.118+/-0.219 χ^2/NDF:10893.1/25

All: 1110.147+/-0.159 χ^2/NDF: 25756.2/46



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1588.951+/-597.598 χ^2/NDF:2.6/6

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 219.815+/-675.567 χ^2/NDF:1.7/4

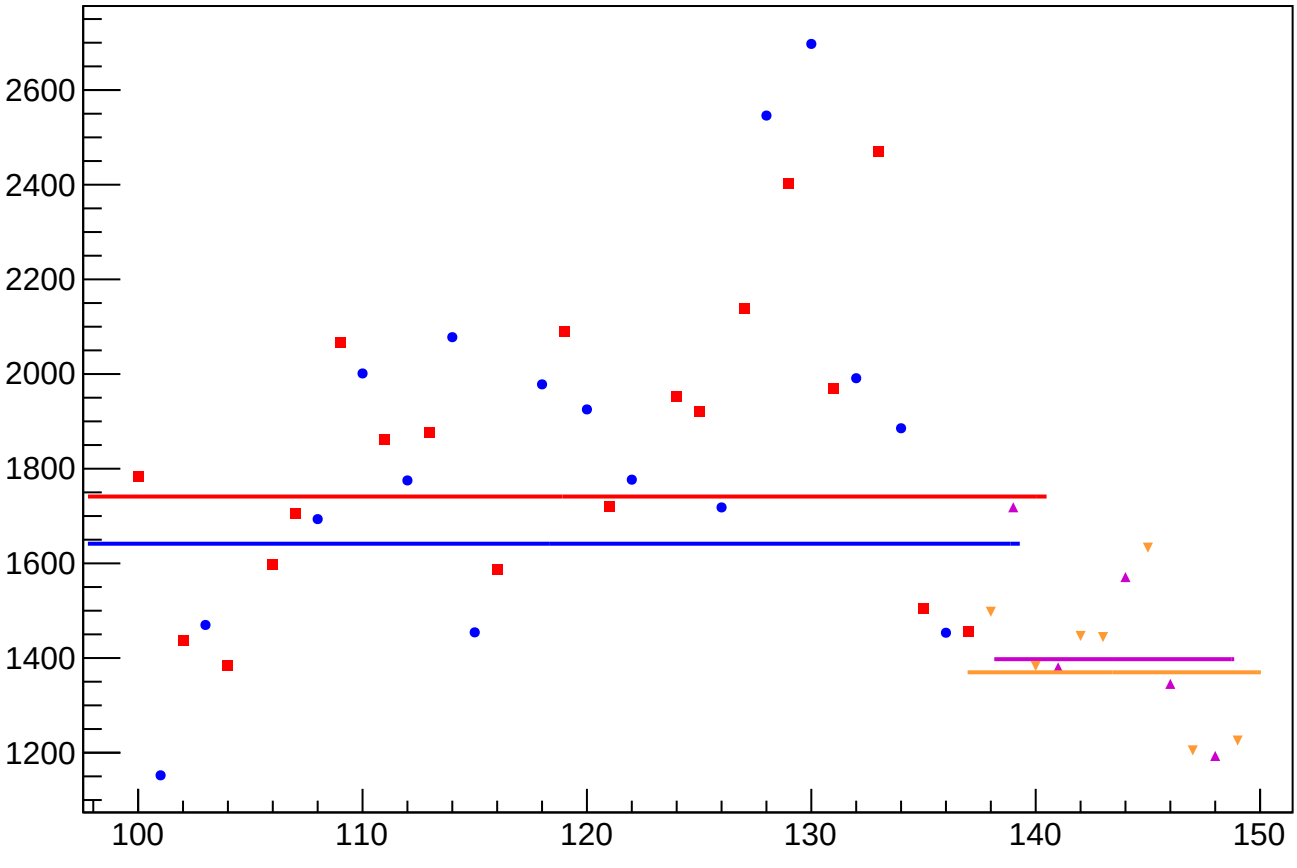
Left: 987.916+/-447.605 χ^2/NDF: 6.6/11

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 127.554+/-459.984 χ^2/NDF:18.6/20

Out: 519.026+/-439.241 χ^2/NDF:24.6/25

All: 332.316+/-317.670 χ^2/NDF: 43.5/46



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1369.840+/-0.423 χ^2/NDF:114031.2/6

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: 1382.029+/-0.317 χ^2/NDF: 248833.0/11

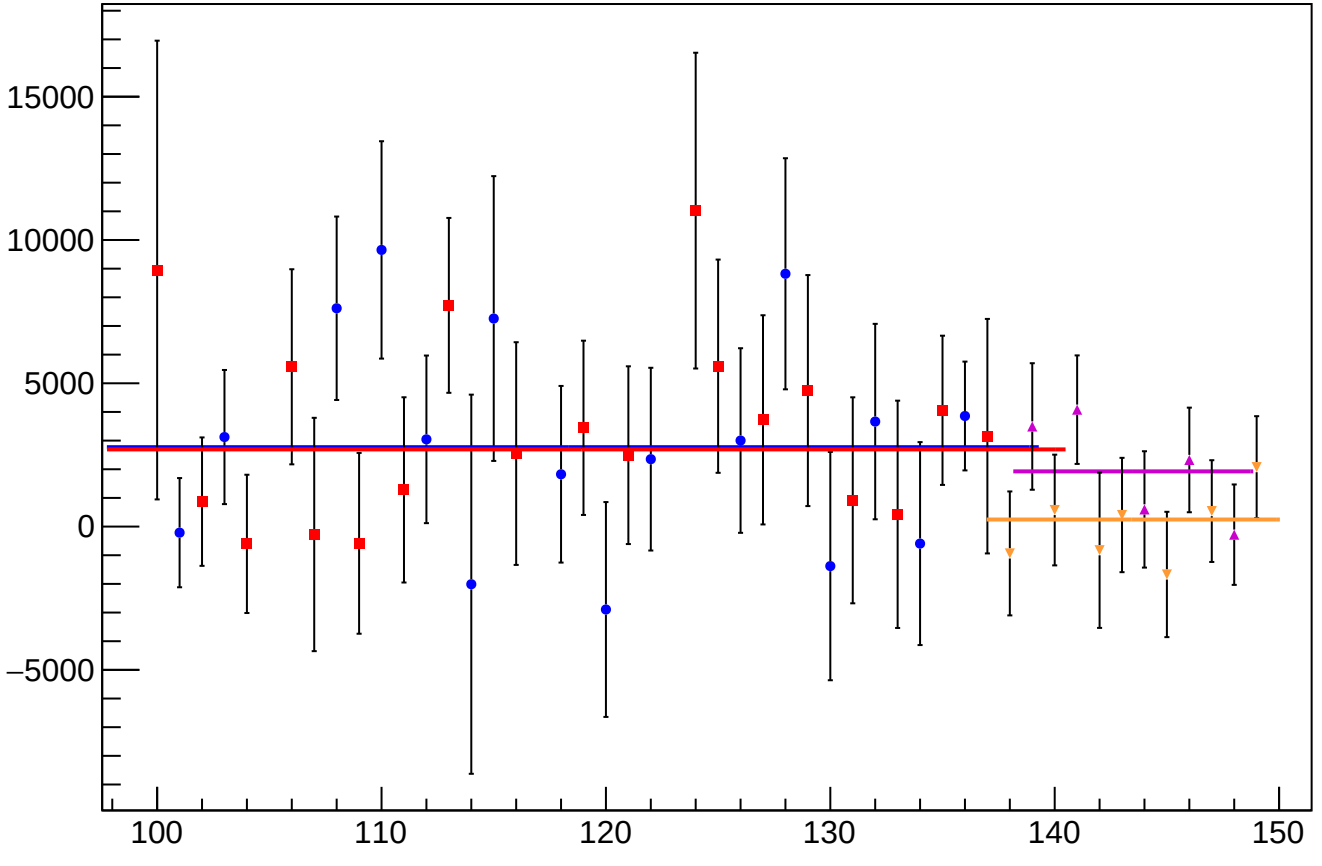
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1528.448+/-0.325 χ^2/NDF:974070.5/20

Out: 1540.576+/-0.311 χ^2/NDF:907438.1/25

All: 1534.792+/-0.225 χ^2/NDF: 1882235.8/46

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 246.198+/-764.262 χ^2/NDF:2.3/6

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: 987.808+/-571.211 χ^2/NDF: 8.3/11

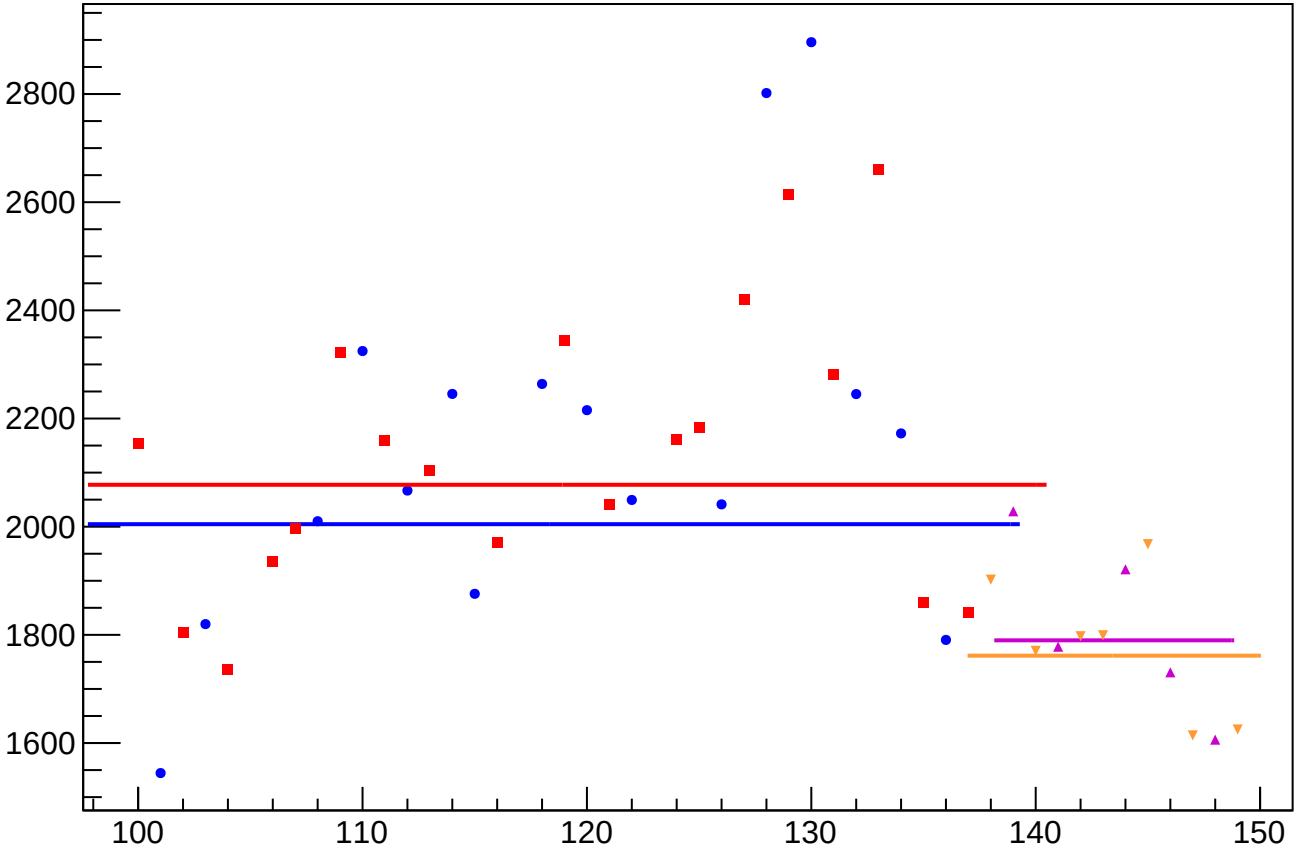
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2401.508+/-568.206 χ^2/NDF:20.8/20

Out: 1467.026+/-540.941 χ^2/NDF:20.0/25

All: 1911.310+/-391.787 χ^2/NDF: 42.3/46

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1761.553+/-0.540 χ^2/NDF:52913.3/6

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1789.890+/-0.608 χ^2/NDF:55891.1/4

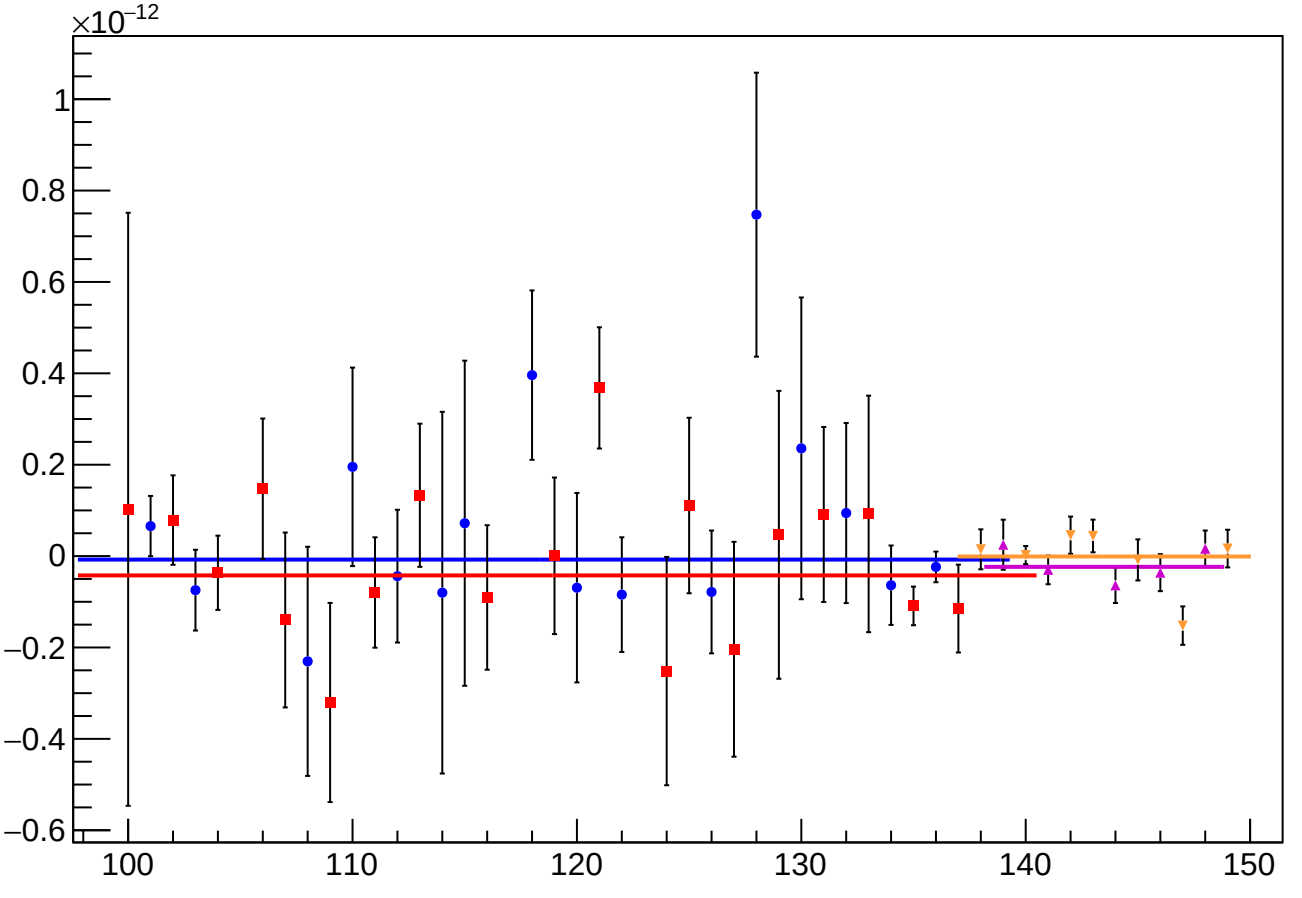
Left: 1774.061+/-0.404 χ^2/NDF: 110018.0/11

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1910.843+/-0.402 χ^2/NDF:513733.3/20

Out: 1919.219+/-0.383 χ^2/NDF:453963.0/25

All: 1915.237+/-0.277 χ^2/NDF: 967924.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/4

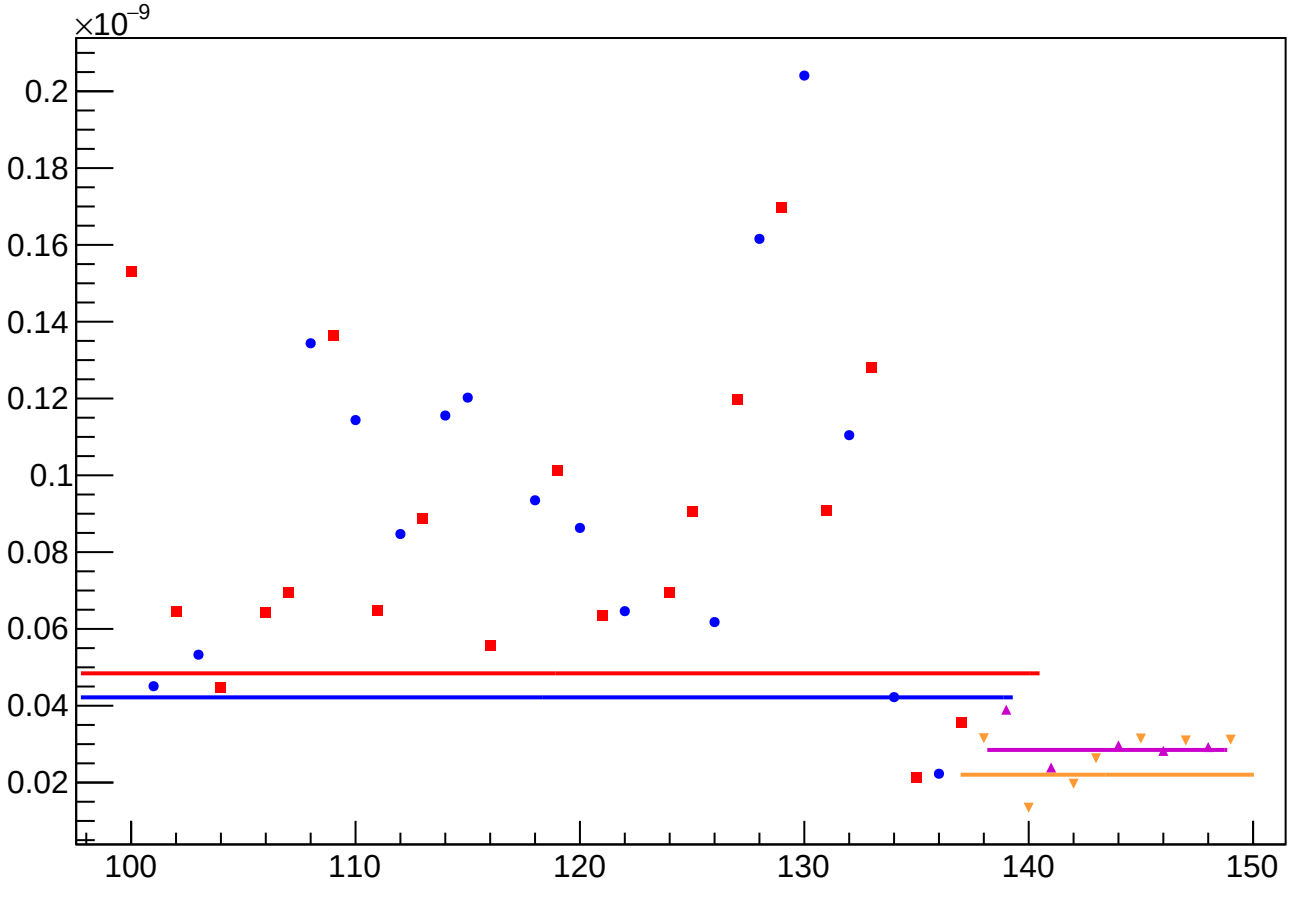
Left: -0.000+/-0.000 χ^2/NDF: 20.3/11

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:39.9/25

All: -0.000+/-0.000 χ^2/NDF: 59.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:782215.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:118390.7/4

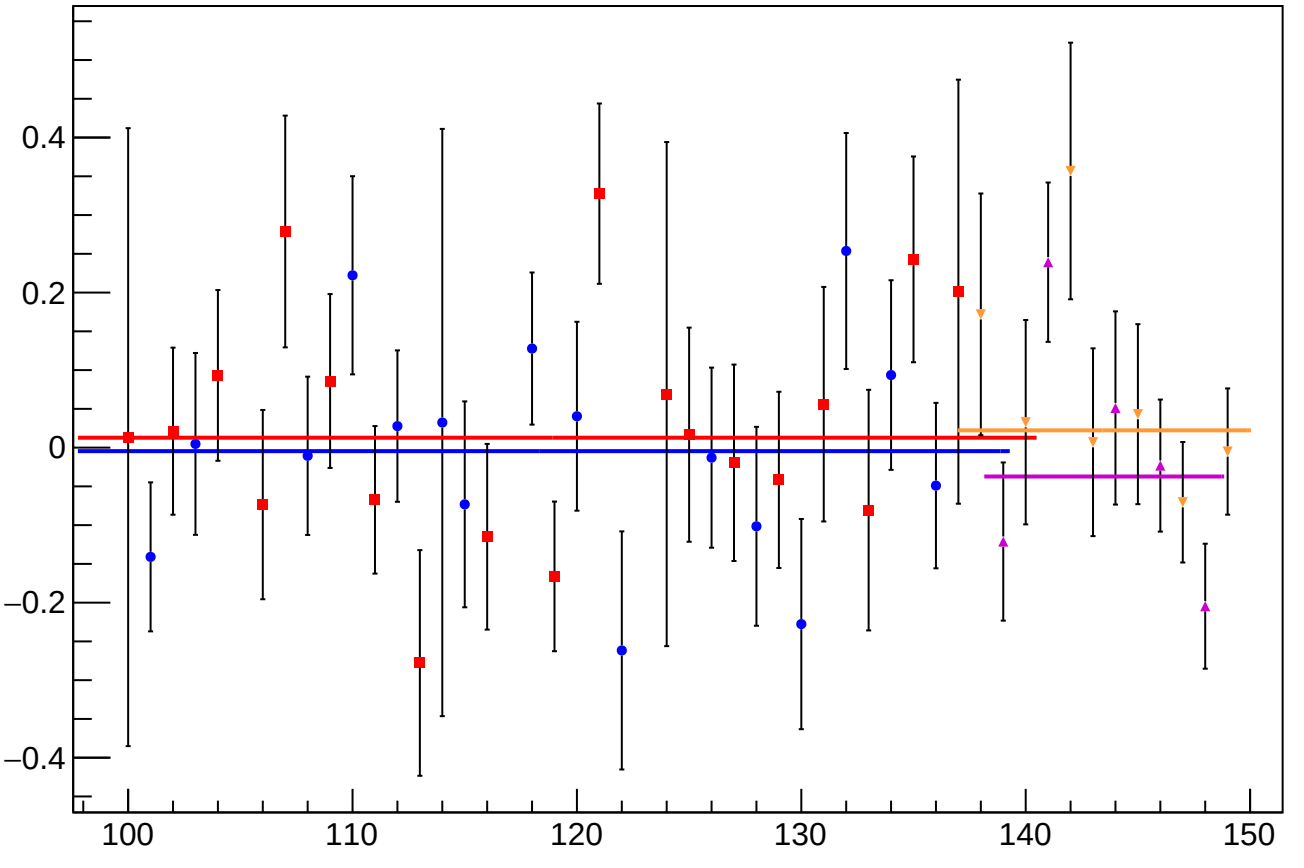
Left: 0.000+/-0.000 χ^2/NDF: 1077135.1/11

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:4945835.5/25

All: 0.000+/-0.000 χ^2/NDF: 8652164.0/46



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

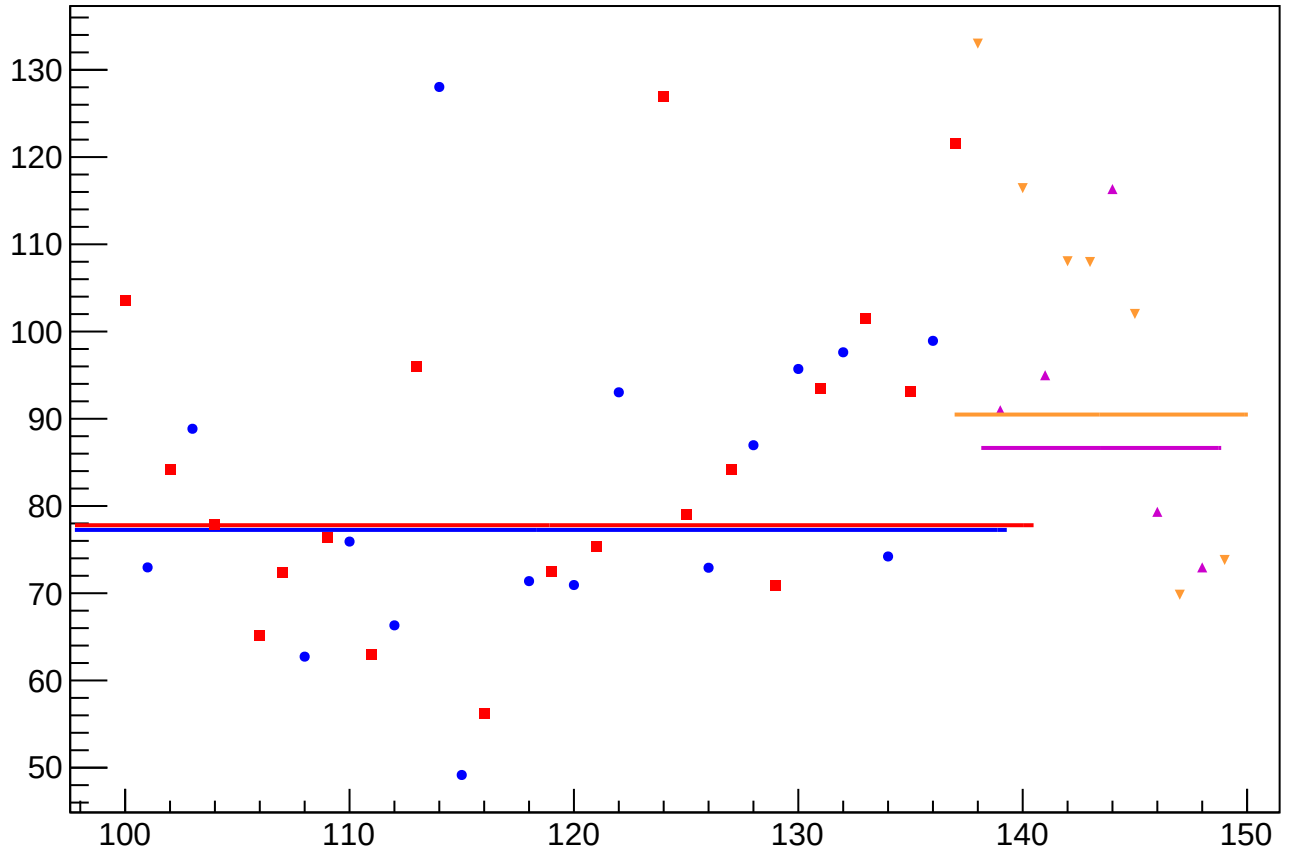
Left: -0.006+/-0.030 χ^2/NDF: 20.4/11

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.016+/-0.024 χ^2/NDF:32.1/25

All: 0.001+/-0.017 χ^2/NDF: 63.4/46



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 90.484+/-0.029 χ^2/NDF:535327.4/6

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

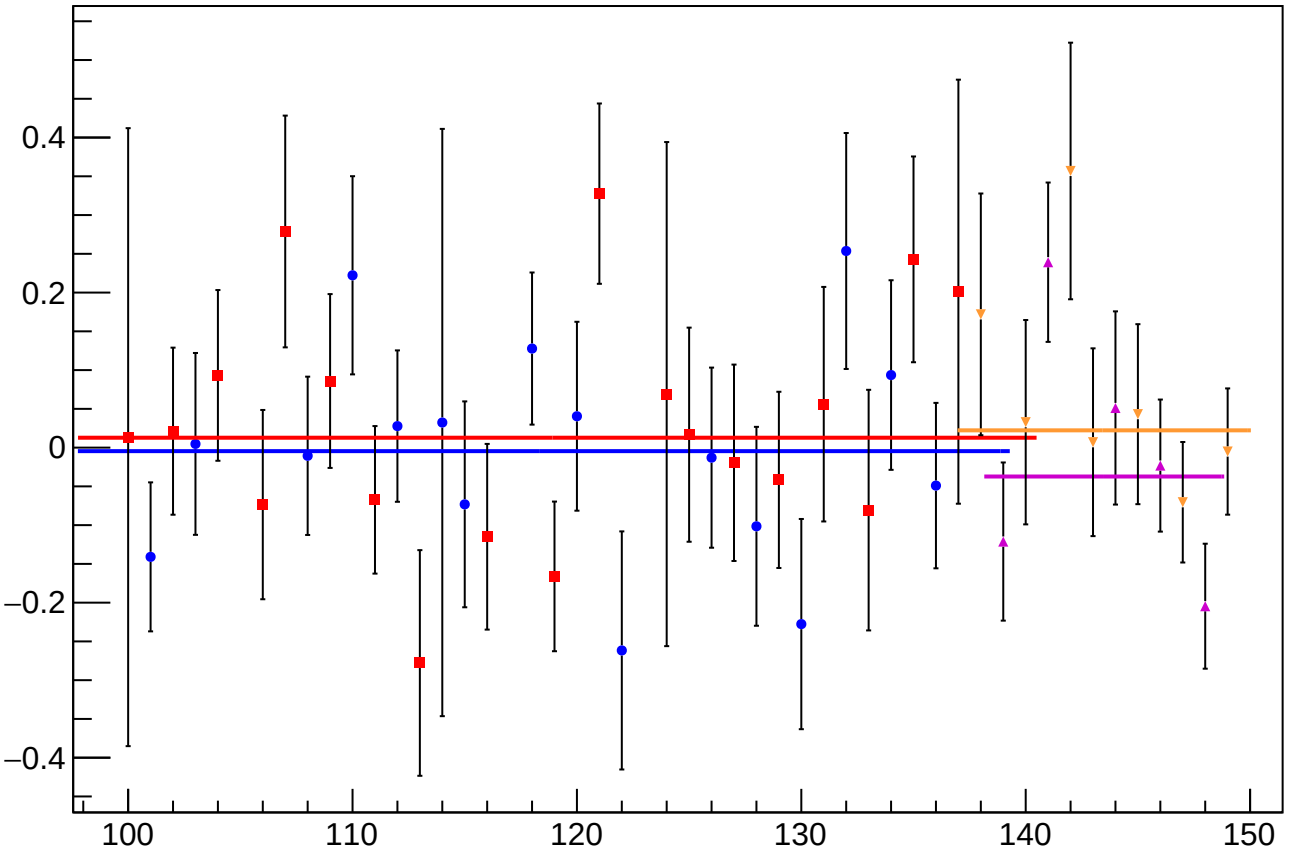
Left: 88.648+/-0.021 χ^2/NDF: 746340.1/11

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.365+/-0.017 χ^2/NDF:686592.0/20

Out: 82.162+/-0.017 χ^2/NDF:1057202.3/25

All: 81.283+/-0.012 χ^2/NDF: 1749252.2/46



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

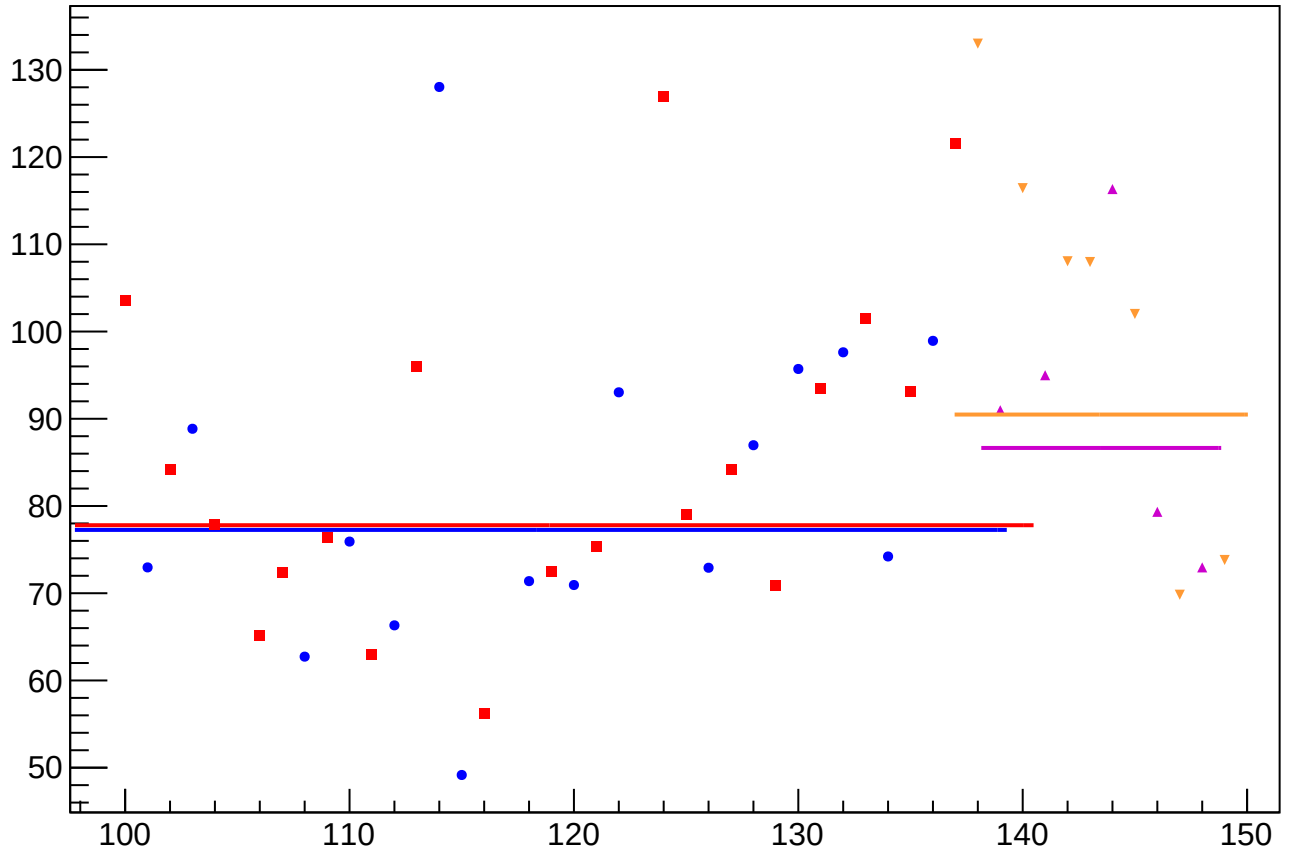
Left: -0.006+/-0.030 χ^2/NDF: 20.4/11

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.016+/-0.024 χ^2/NDF:32.1/25

All: 0.001+/-0.017 χ^2/NDF: 63.4/46



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 90.484+/-0.029 χ^2/NDF:535327.4/6

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 86.655+/-0.030 χ^2/NDF:202664.8/4

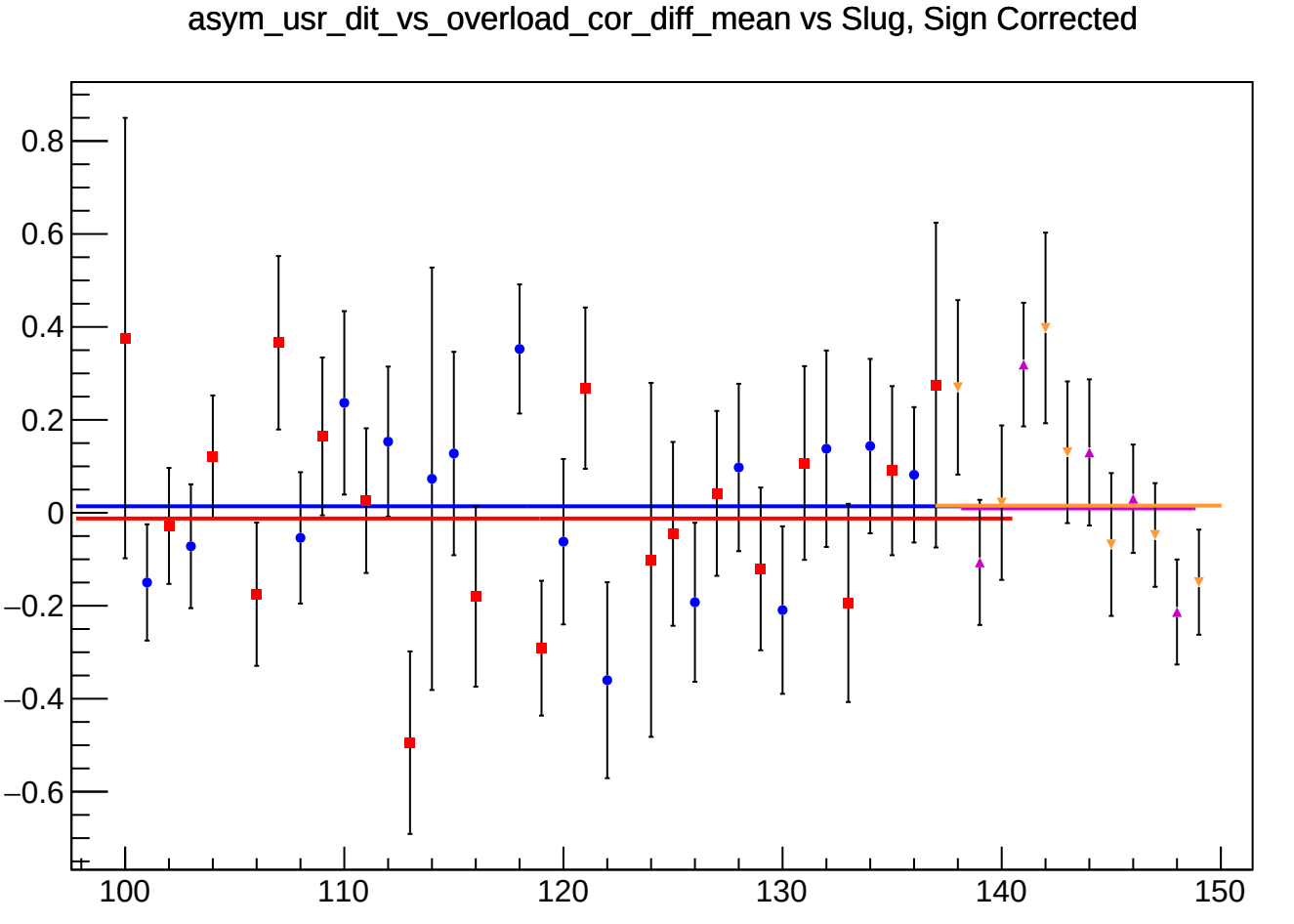
Left: 88.648+/-0.021 χ^2/NDF: 746340.1/11

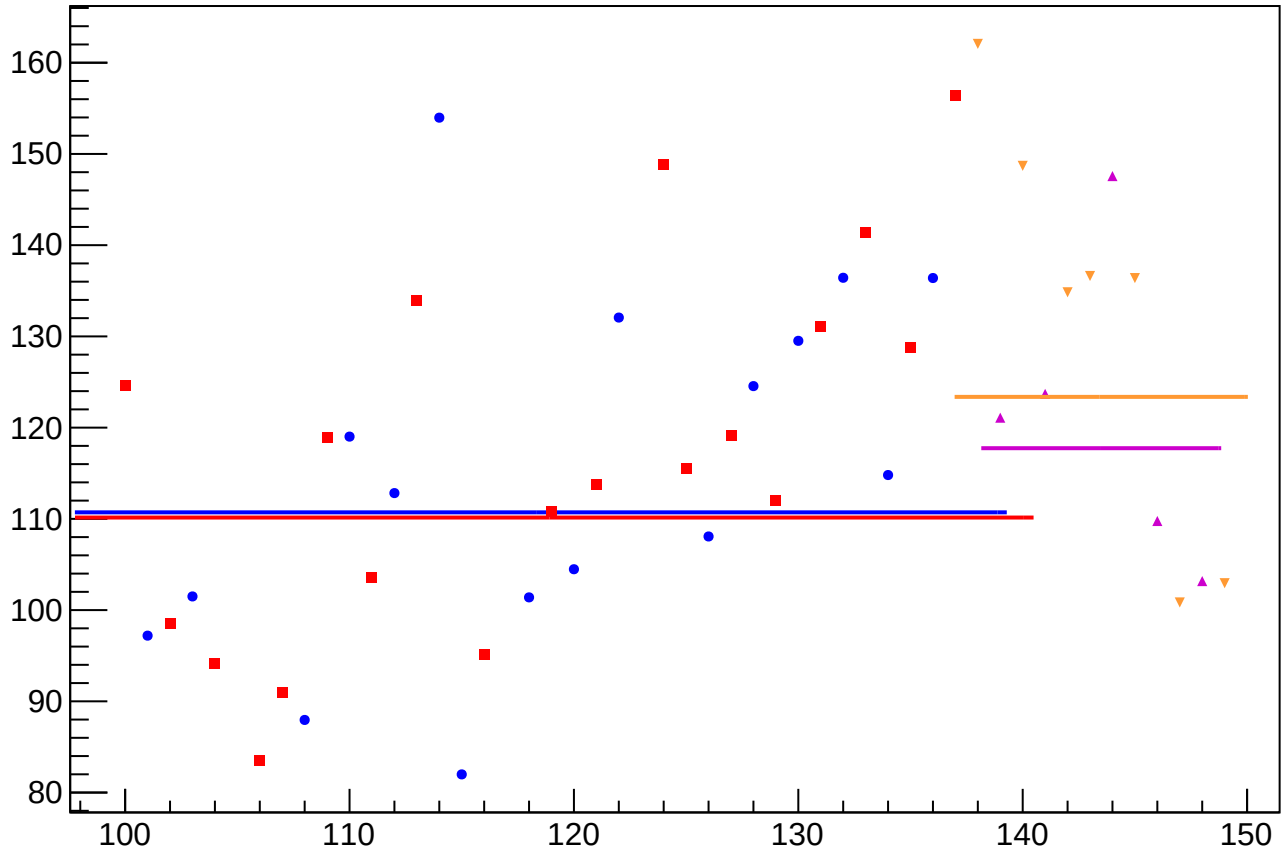
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 80.365+/-0.017 χ^2/NDF:686592.0/20

Out: 82.162+/-0.017 χ^2/NDF:1057202.3/25

All: 81.283+/-0.012 χ^2/NDF: 1749252.2/46


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.015+/-0.055 χ²/NDF:8.6/6
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.010+/-0.057 χ²/NDF:10.7/4
Left: 0.013+/-0.040 χ²/NDF: 19.3/11
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.013+/-0.034 χ²/NDF:28.8/20
Out: -0.002+/-0.033 χ²/NDF:32.5/25
All: 0.005+/-0.024 χ²/NDF: 61.5/46



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 123.372+/-0.039 χ^2/NDF:314000.3/6

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 117.746+/-0.041 χ^2/NDF:119828.2/4

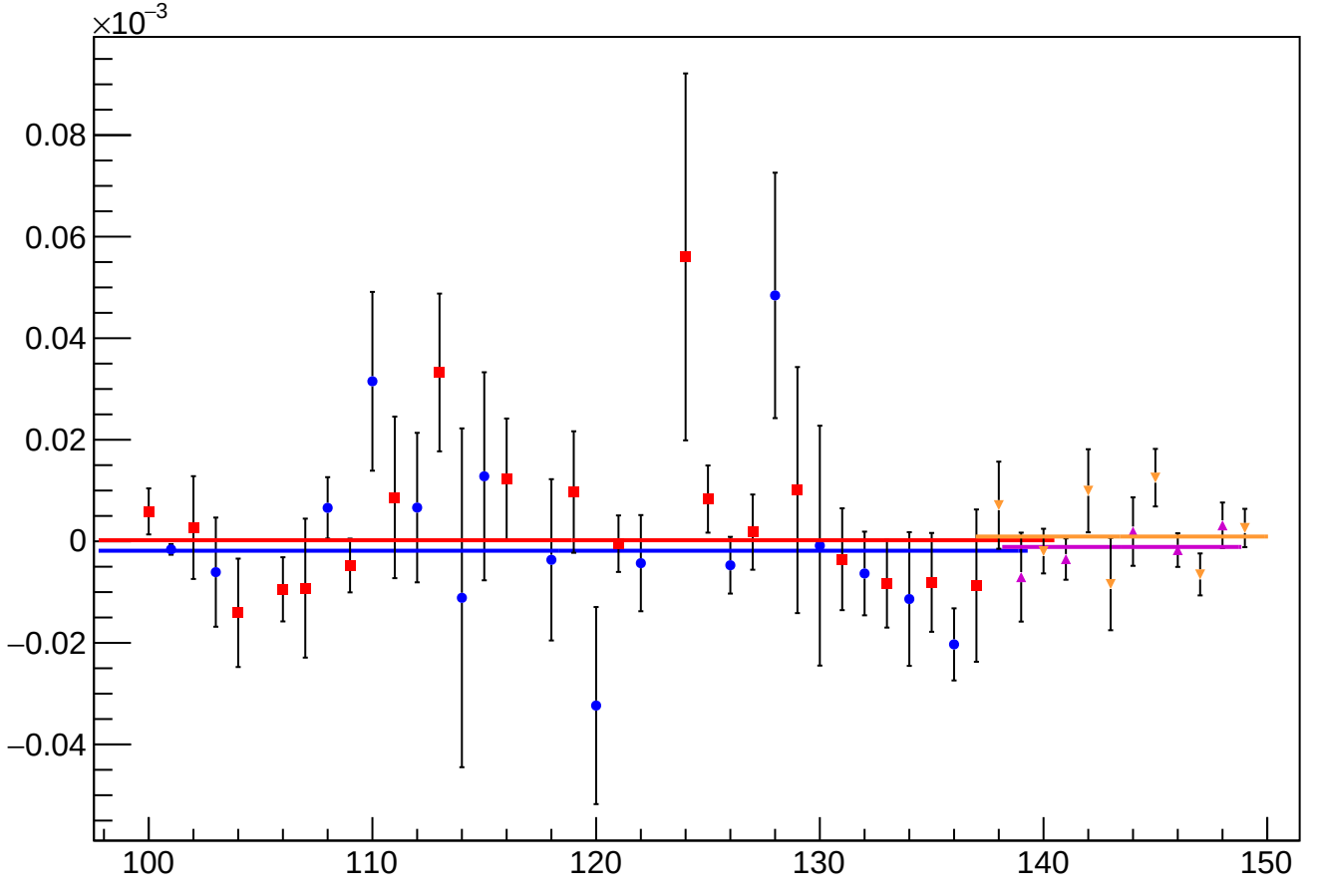
Left: 120.684+/-0.028 χ^2/NDF: 443878.3/11

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 113.189+/-0.024 χ^2/NDF:439281.0/20

Out: 114.932+/-0.023 χ^2/NDF:714922.9/25

All: 114.087+/-0.017 χ^2/NDF: 1156905.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

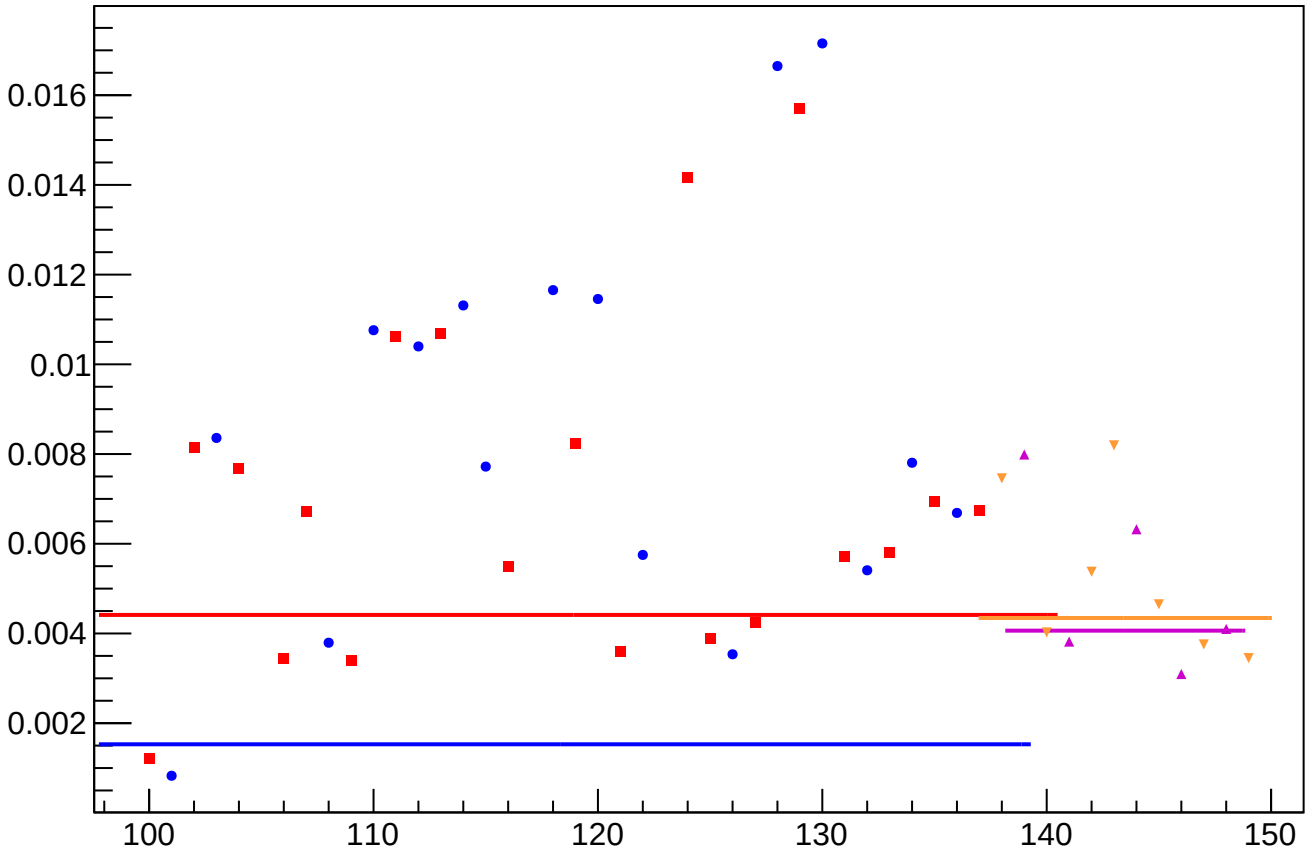
Left: -0.000+/-0.000 χ^2/NDF: 13.3/11

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:30.8/25

All: -0.000+/-0.000 χ^2/NDF: 56.2/46



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:822663.6/6

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:804166.4/4

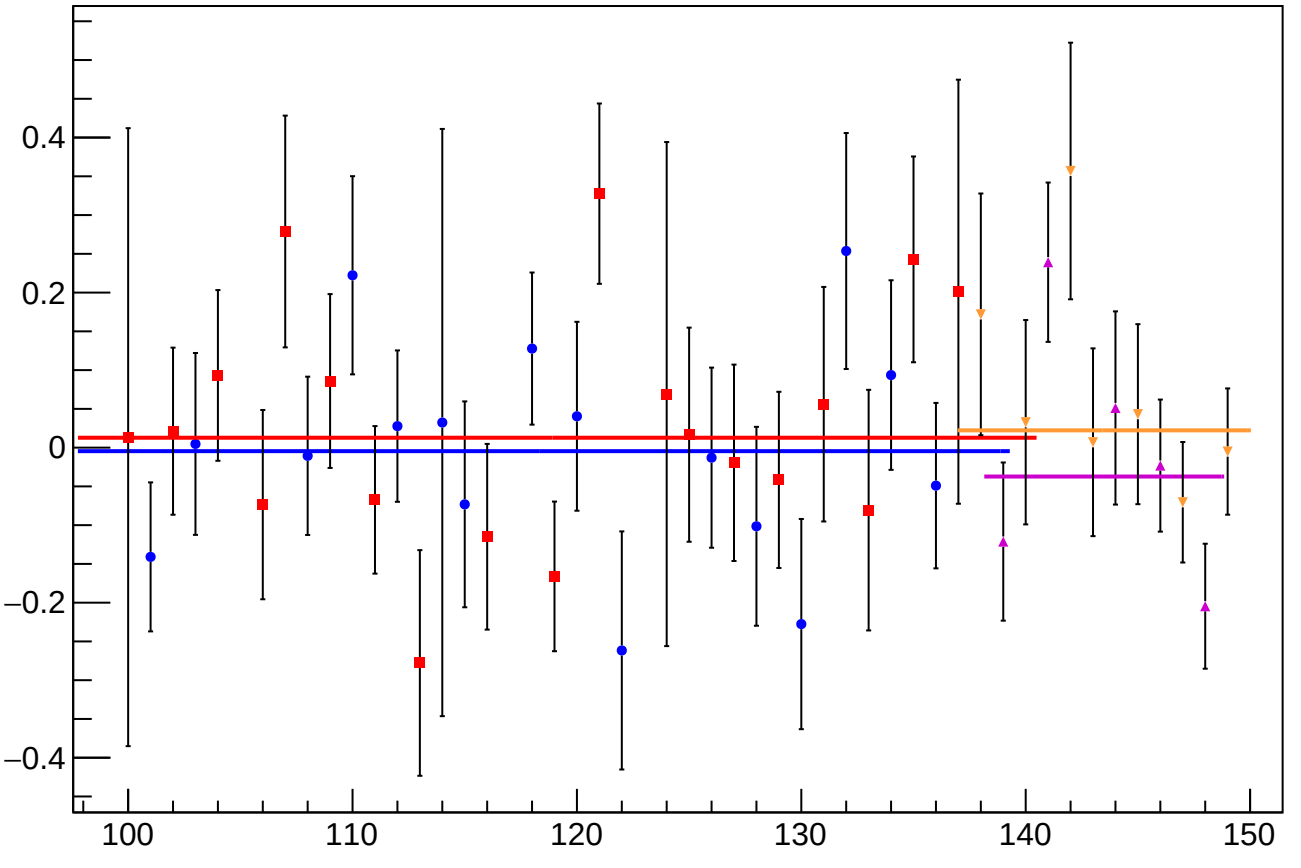
Left: 0.004+/-0.000 χ^2/NDF: 1646182.6/11

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:12504657.3/20

Out: 0.004+/-0.000 χ^2/NDF:4211967.9/25

All: 0.003+/-0.000 χ^2/NDF: 20955718.8/46



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

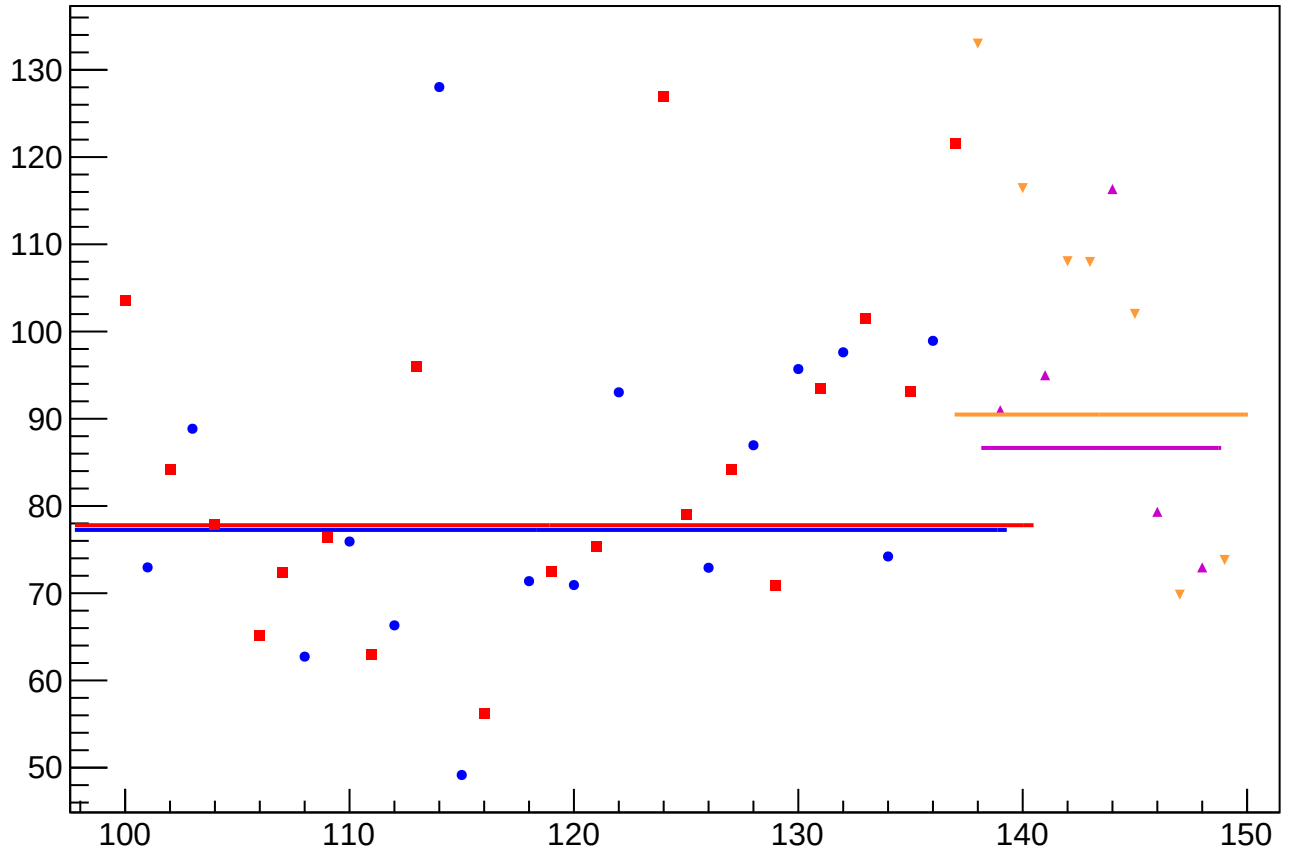
Left: -0.006+/-0.030 χ^2/NDF: 20.4/11

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.016+/-0.024 χ^2/NDF:32.1/25

All: 0.001+/-0.017 χ^2/NDF: 63.4/46



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 90.484+/-0.029 χ^2/NDF:535341.8/6

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

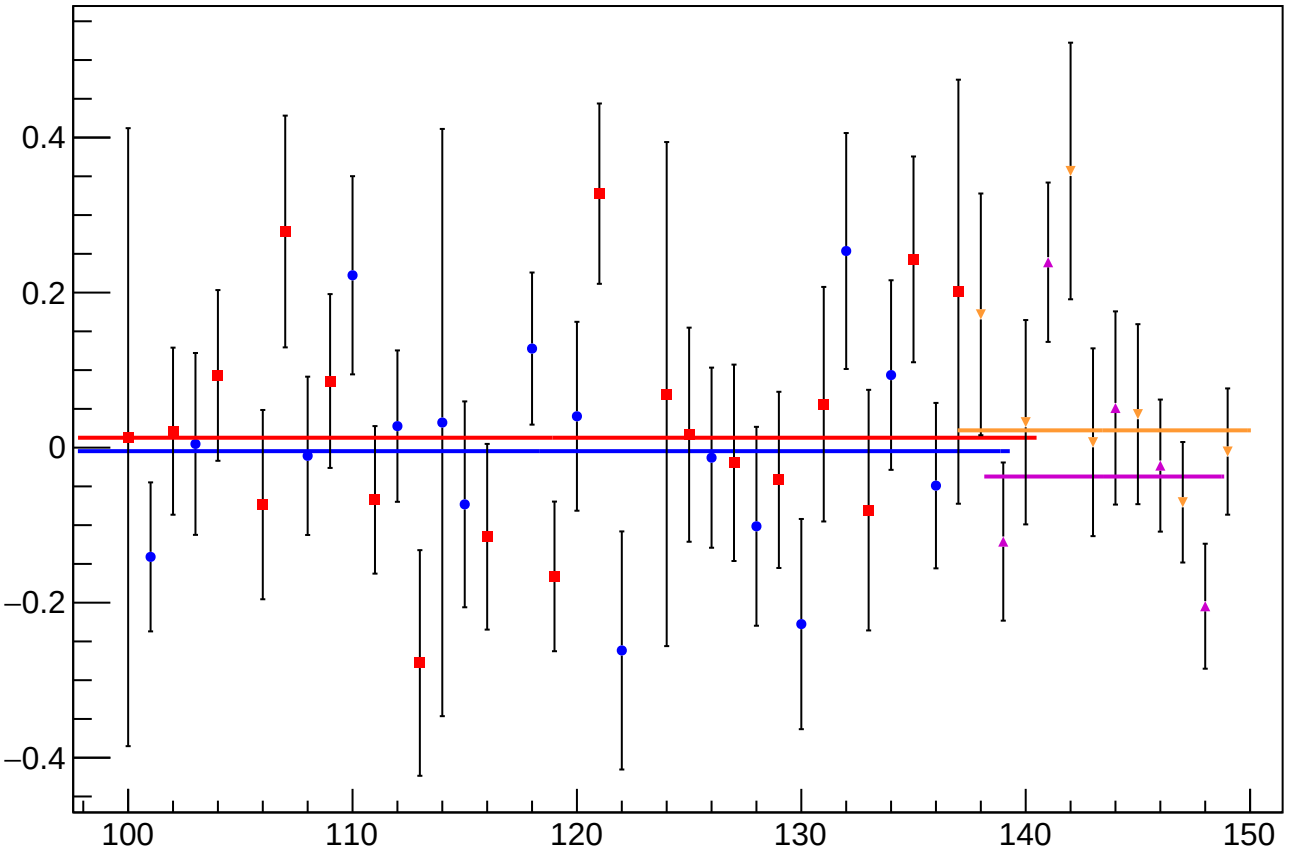
Left: 88.648+/-0.021 χ^2/NDF: 746360.7/11

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 80.364+/-0.017 χ^2/NDF:686608.6/20

Out: 82.161+/-0.017 χ^2/NDF:1057245.8/25

All: 81.282+/-0.012 χ^2/NDF: 1749312.1/46



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.022+/-0.041 χ^2/NDF:6.6/6

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.043 χ^2/NDF:12.7/4

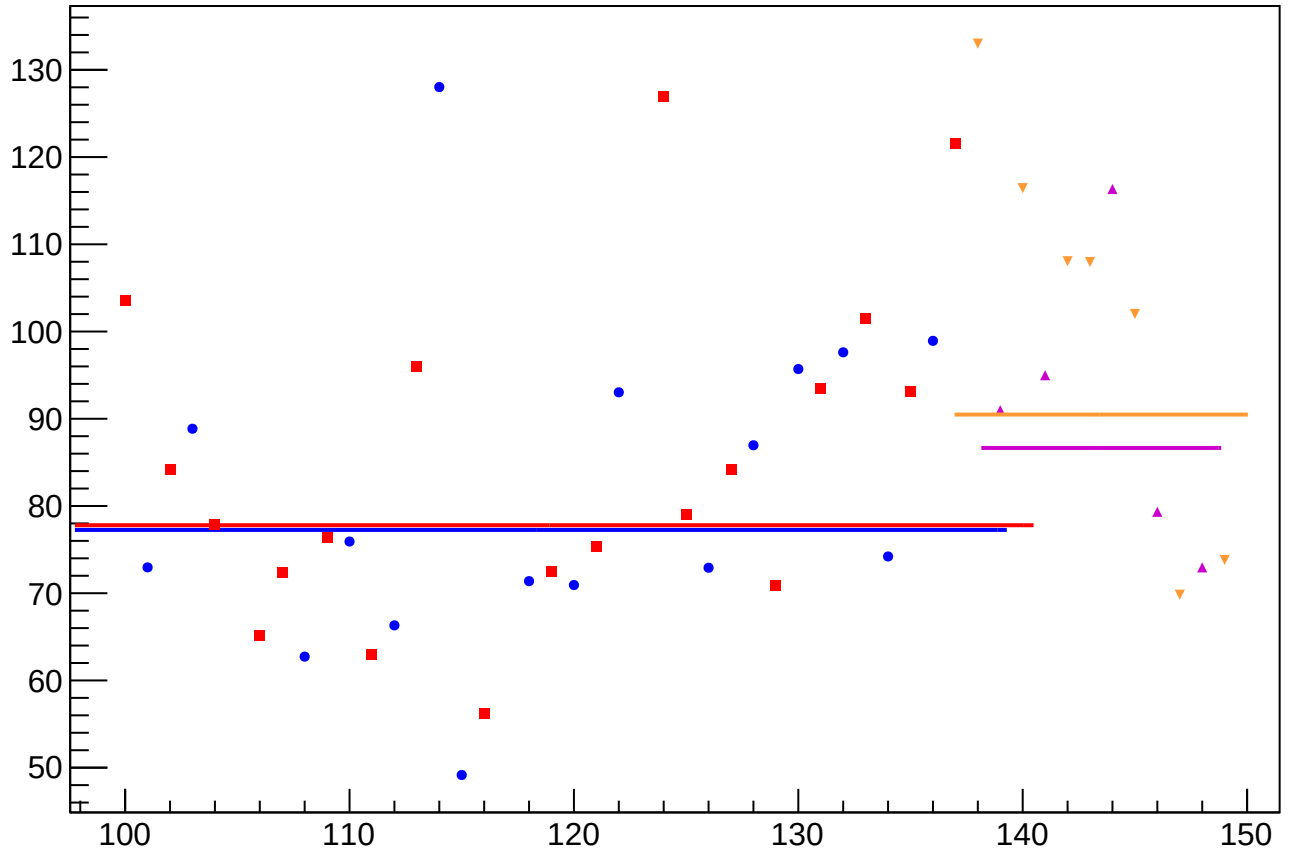
Left: -0.006+/-0.030 χ^2/NDF: 20.4/11

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.025 χ^2/NDF:30.4/20

Out: 0.016+/-0.024 χ^2/NDF:32.1/25

All: 0.001+/-0.017 χ^2/NDF: 63.4/46



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 90.484+/-0.029 χ^2/NDF:535341.8/6

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 86.655+/-0.030 χ^2/NDF:202671.4/4

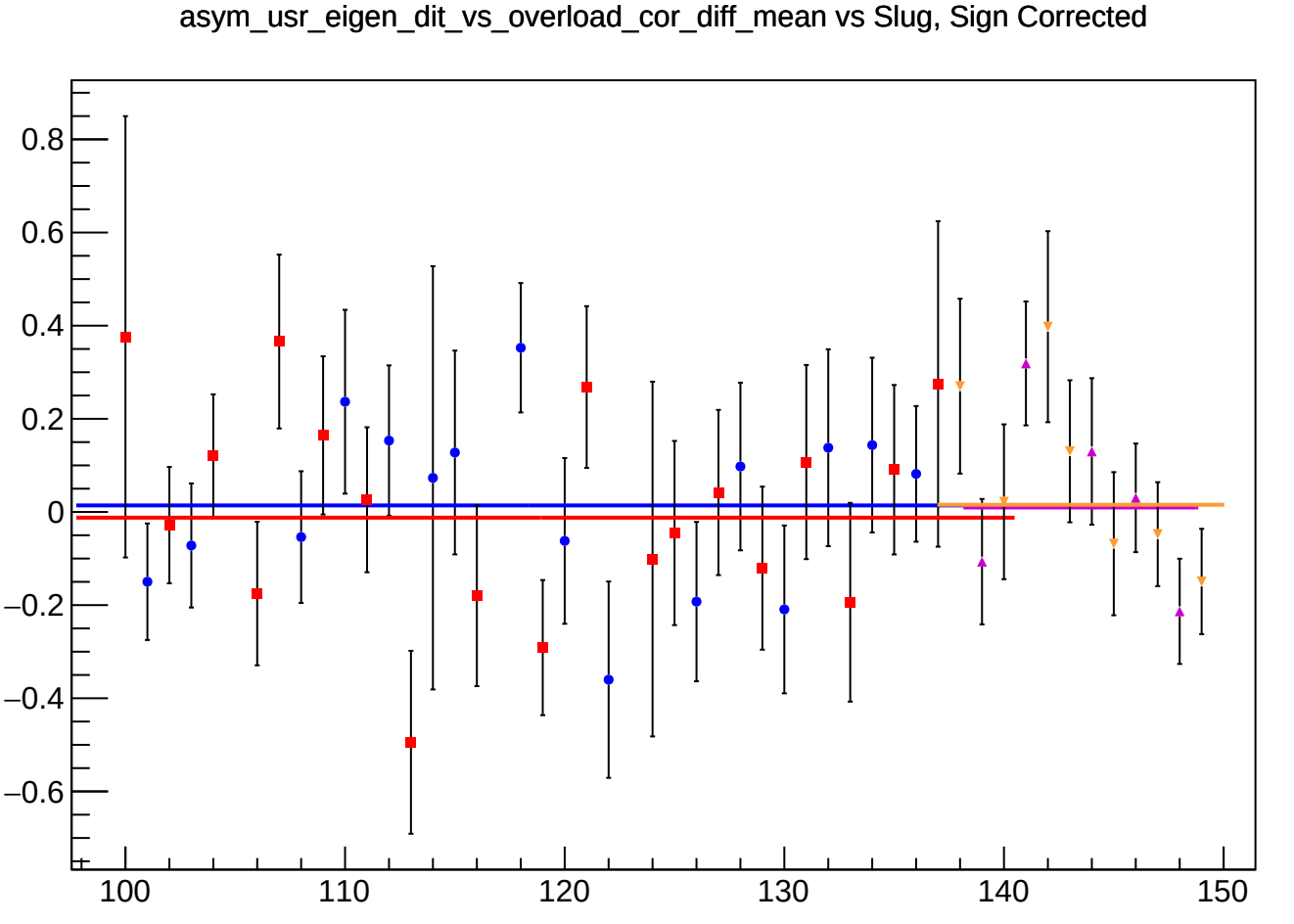
Left: 88.648+/-0.021 χ^2/NDF: 746360.7/11

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 80.364+/-0.017 χ^2/NDF:686608.6/20

Out: 82.161+/-0.017 χ^2/NDF:1057245.8/25

All: 81.282+/-0.012 χ^2/NDF: 1749312.1/46


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
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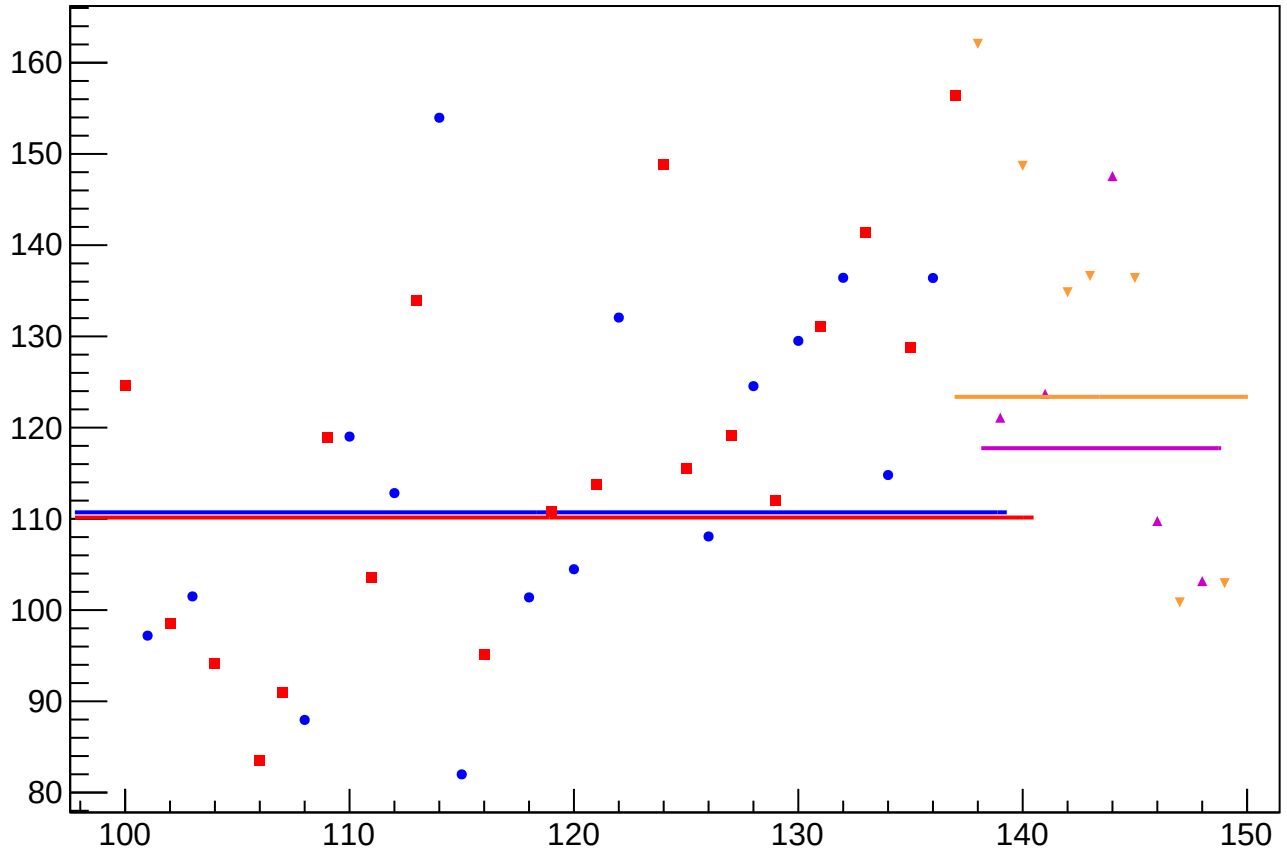
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.015+/-0.055 χ²/NDF:8.6/6
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.010+/-0.057 χ²/NDF:10.7/4
Left: 0.013+/-0.040 χ²/NDF: 19.3/11
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.013+/-0.034 χ²/NDF:28.8/20
Out: -0.002+/-0.033 χ²/NDF:32.5/25
All: 0.005+/-0.024 χ²/NDF: 61.5/46



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 123.372+/-0.039 χ^2/NDF:314004.5/6

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 117.746+/-0.041 χ^2/NDF:119831.5/4

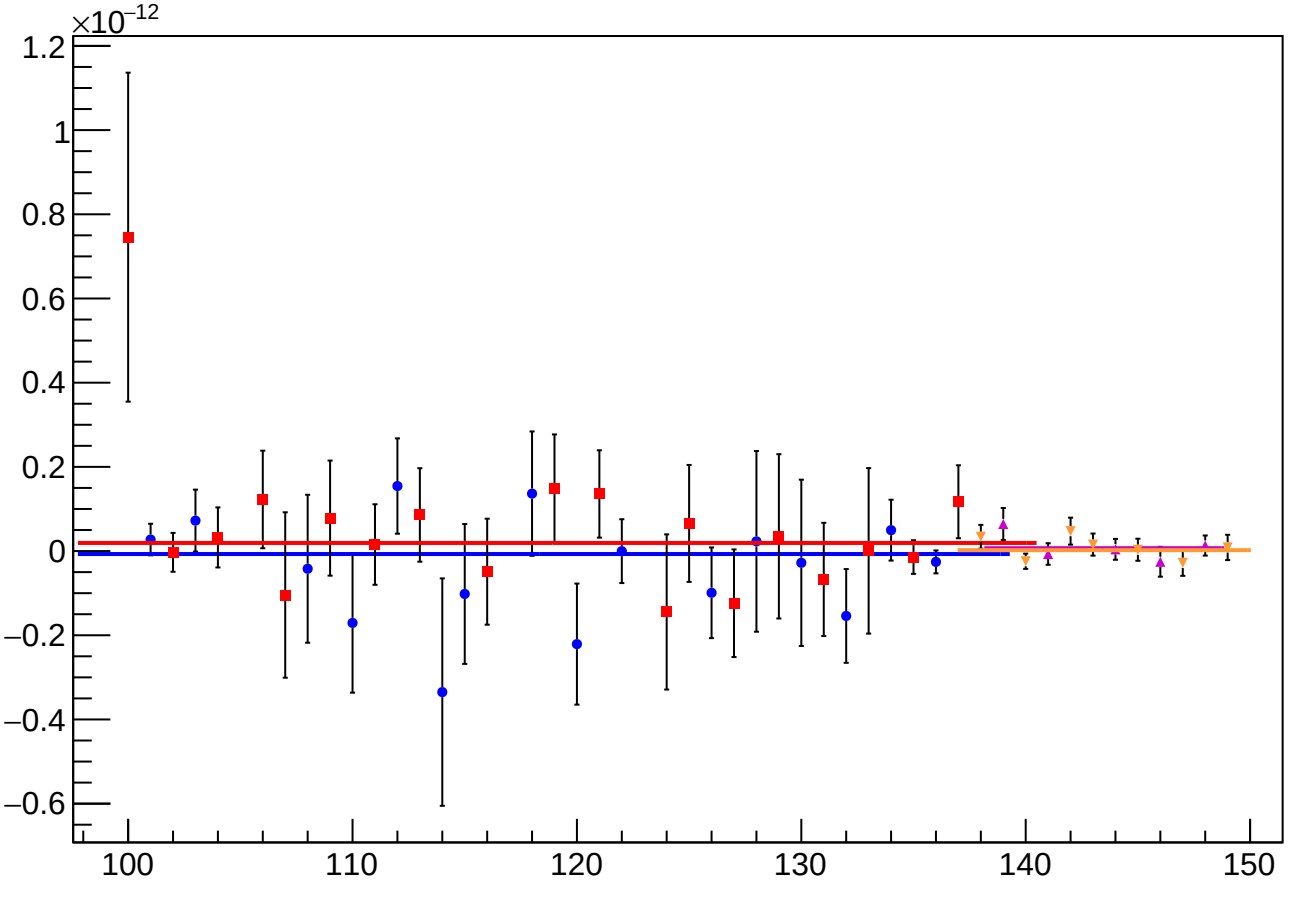
Left: 120.684+/-0.028 χ^2/NDF: 443885.4/11

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 113.189+/-0.024 χ^2/NDF:439265.5/20

Out: 114.931+/-0.023 χ^2/NDF:714906.7/25

All: 114.087+/-0.017 χ^2/NDF: 1156873.8/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/4

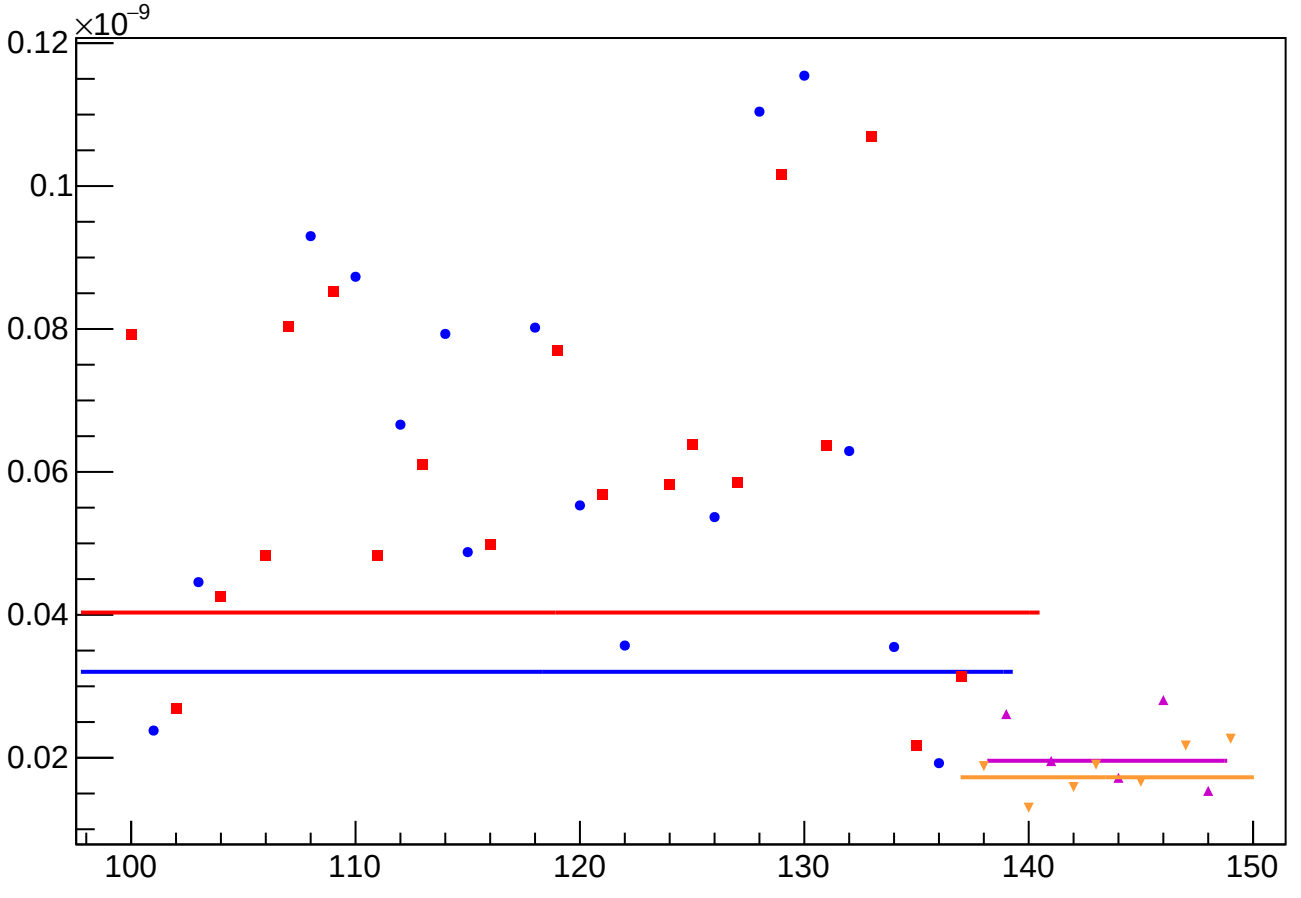
Left: 0.000+/-0.000 χ^2/NDF: 10.2/11

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:19.8/25

All: 0.000+/-0.000 χ^2/NDF: 37.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:236367.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:255194.9/4

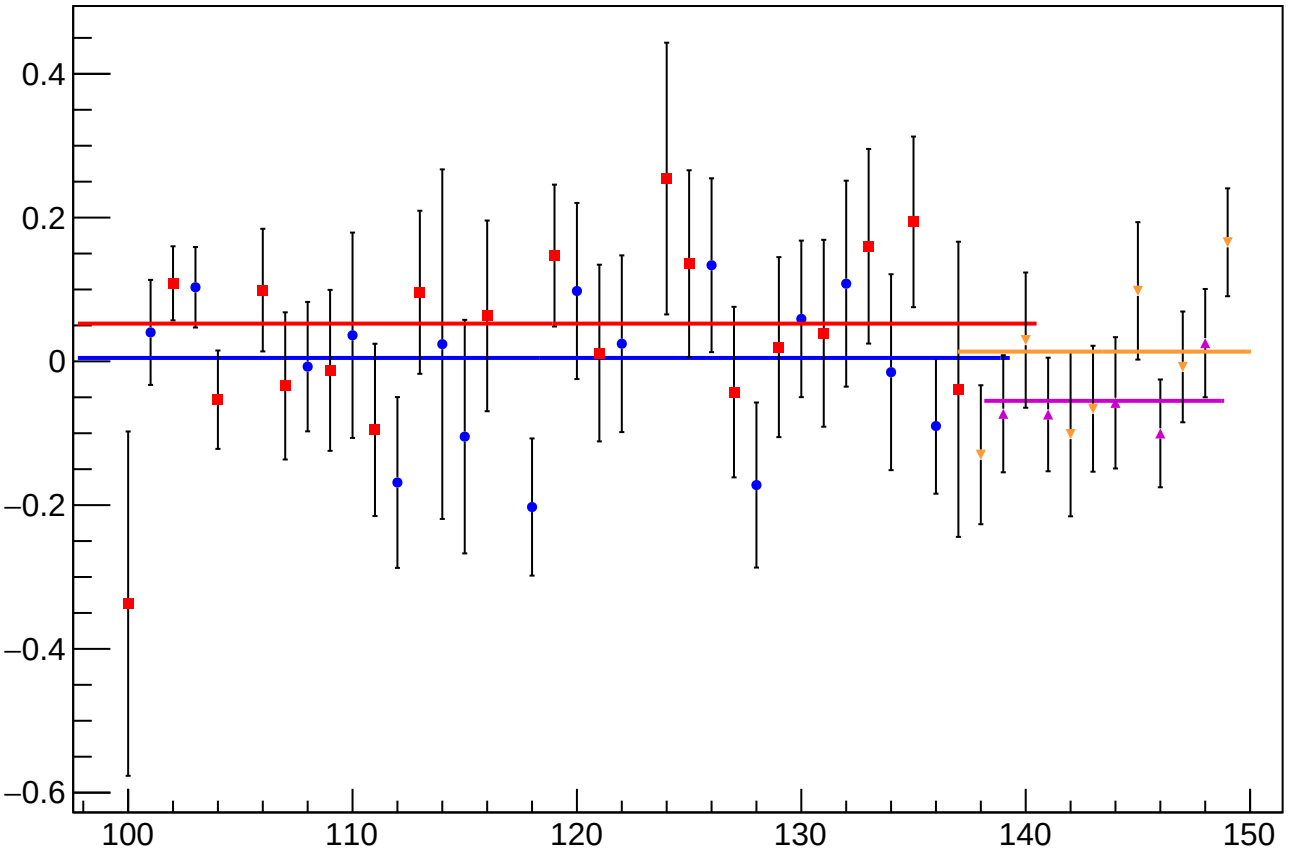
Left: 0.000+/-0.000 χ^2/NDF: 533733.2/11

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:4060660.3/25

All: 0.000+/-0.000 χ^2/NDF: 7480740.7/46



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.014+/-0.034 χ^2/NDF:9.0/6

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.055+/-0.036 χ^2/NDF:1.6/4

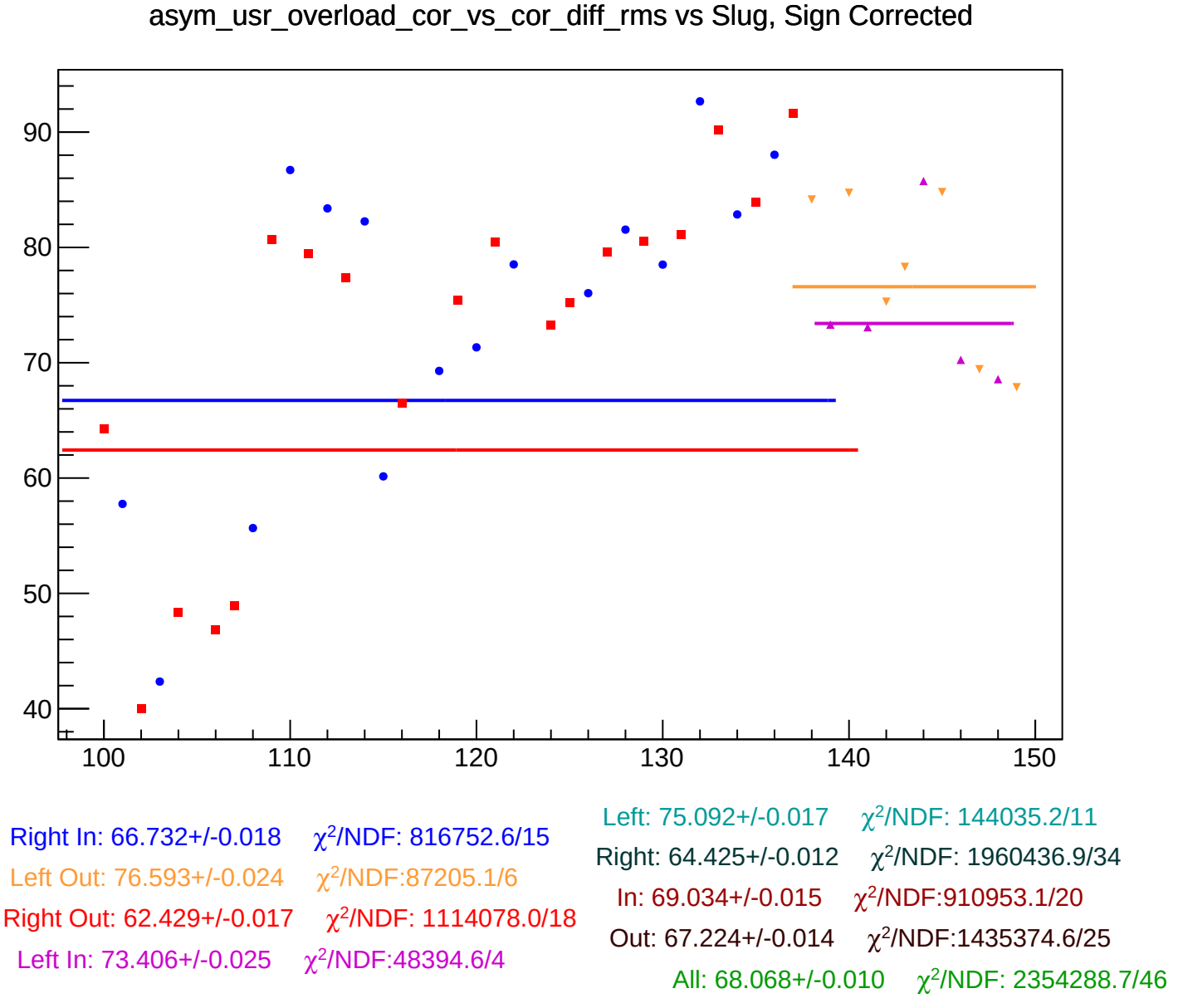
Left: -0.019+/-0.024 χ^2/NDF: 12.6/11

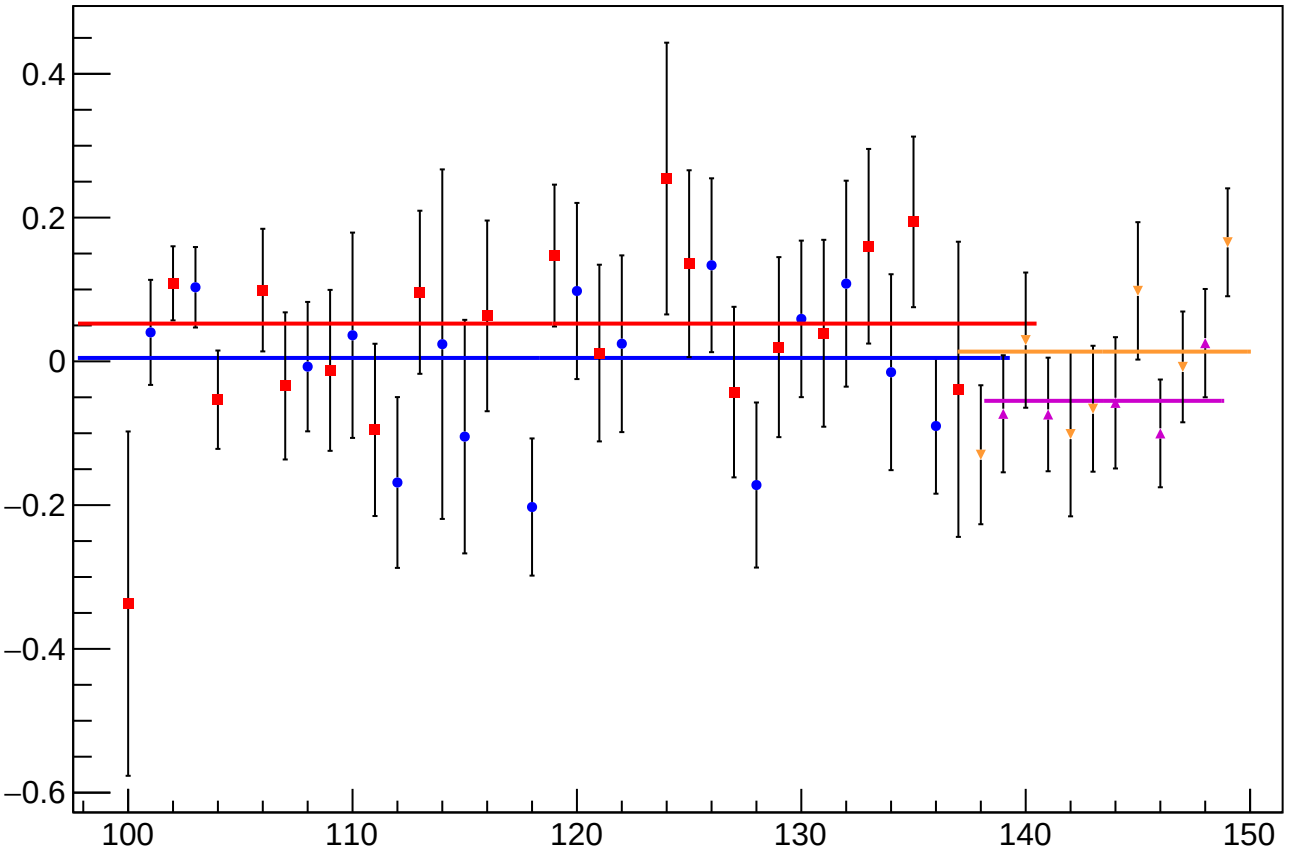
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.016+/-0.021 χ^2/NDF:20.1/20

Out: 0.039+/-0.020 χ^2/NDF:24.7/25

All: 0.014+/-0.014 χ^2/NDF: 48.5/46


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: 76.593+/-0.024 χ²/NDF:87205.1/6
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 73.406+/-0.025 χ²/NDF:48394.6/4
Left: 75.092+/-0.017 χ²/NDF: 144035.2/11
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 69.034+/-0.015 χ²/NDF:910953.1/20
Out: 67.224+/-0.014 χ²/NDF:1435374.6/25
All: 68.068+/-0.010 χ²/NDF: 2354288.7/46



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.014+/-0.034 χ^2/NDF:9.0/6

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.055+/-0.036 χ^2/NDF:1.6/4

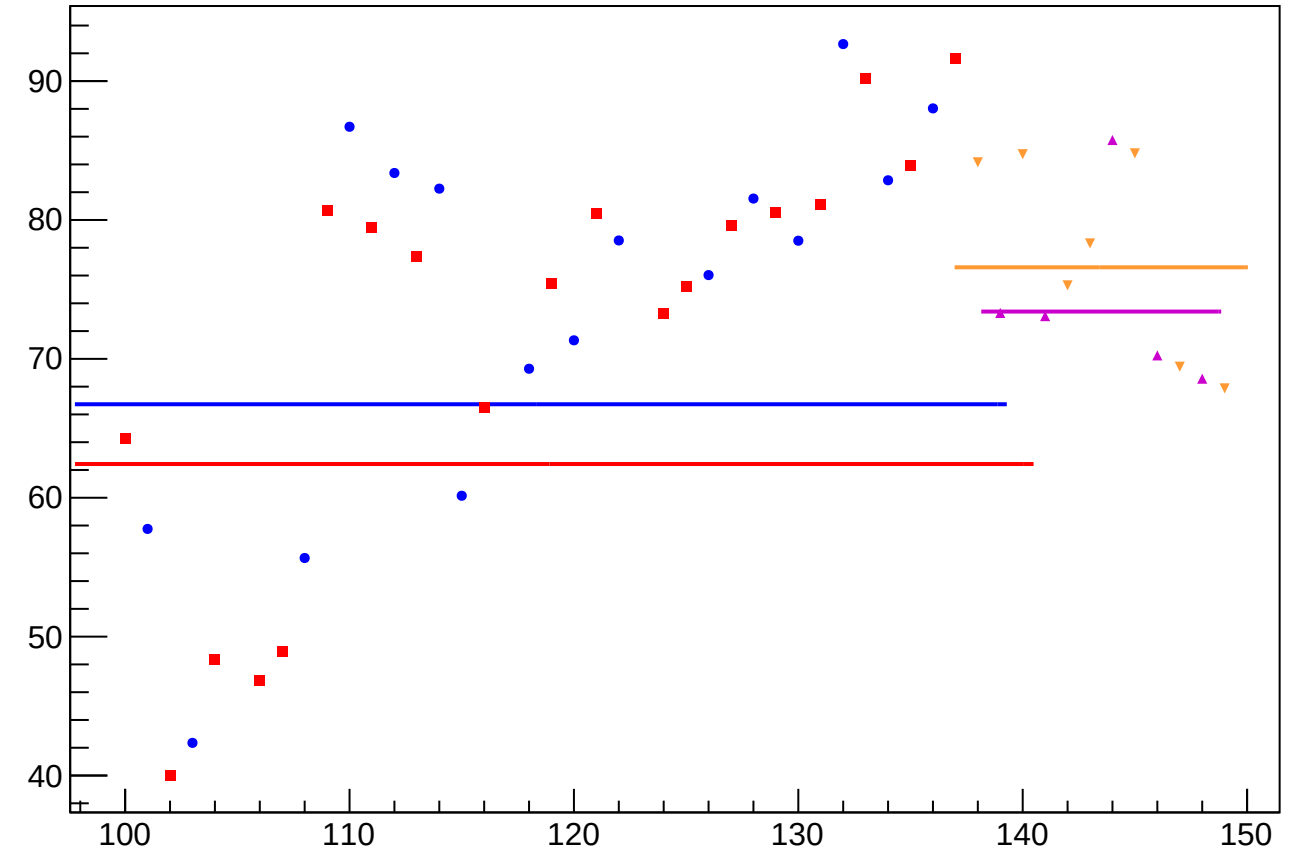
Left: -0.019+/-0.024 χ^2/NDF: 12.6/11

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.016+/-0.021 χ^2/NDF:20.1/20

Out: 0.039+/-0.020 χ^2/NDF:24.7/25

All: 0.014+/-0.014 χ^2/NDF: 48.5/46



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 76.593+/-0.024 χ^2/NDF:87205.1/6

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: 75.092+/-0.017 χ^2/NDF: 144035.2/11

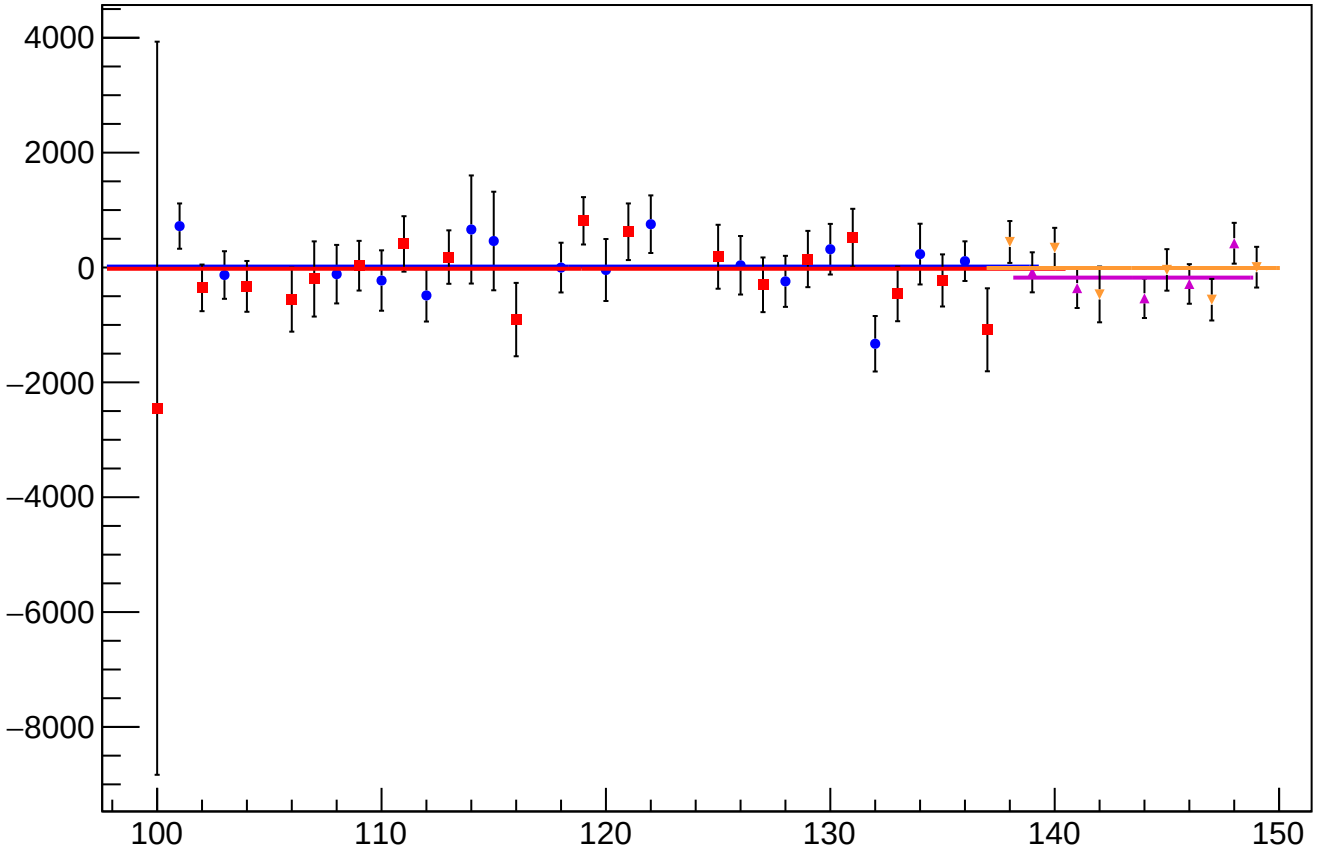
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.034+/-0.015 χ^2/NDF:910953.1/20

Out: 67.224+/-0.014 χ^2/NDF:1435374.6/25

All: 68.068+/-0.010 χ^2/NDF: 2354288.7/46

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -8.990+/-152.029 χ^2/NDF:5.8/5

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: -90.773+/-108.701 χ^2/NDF: 10.8/10

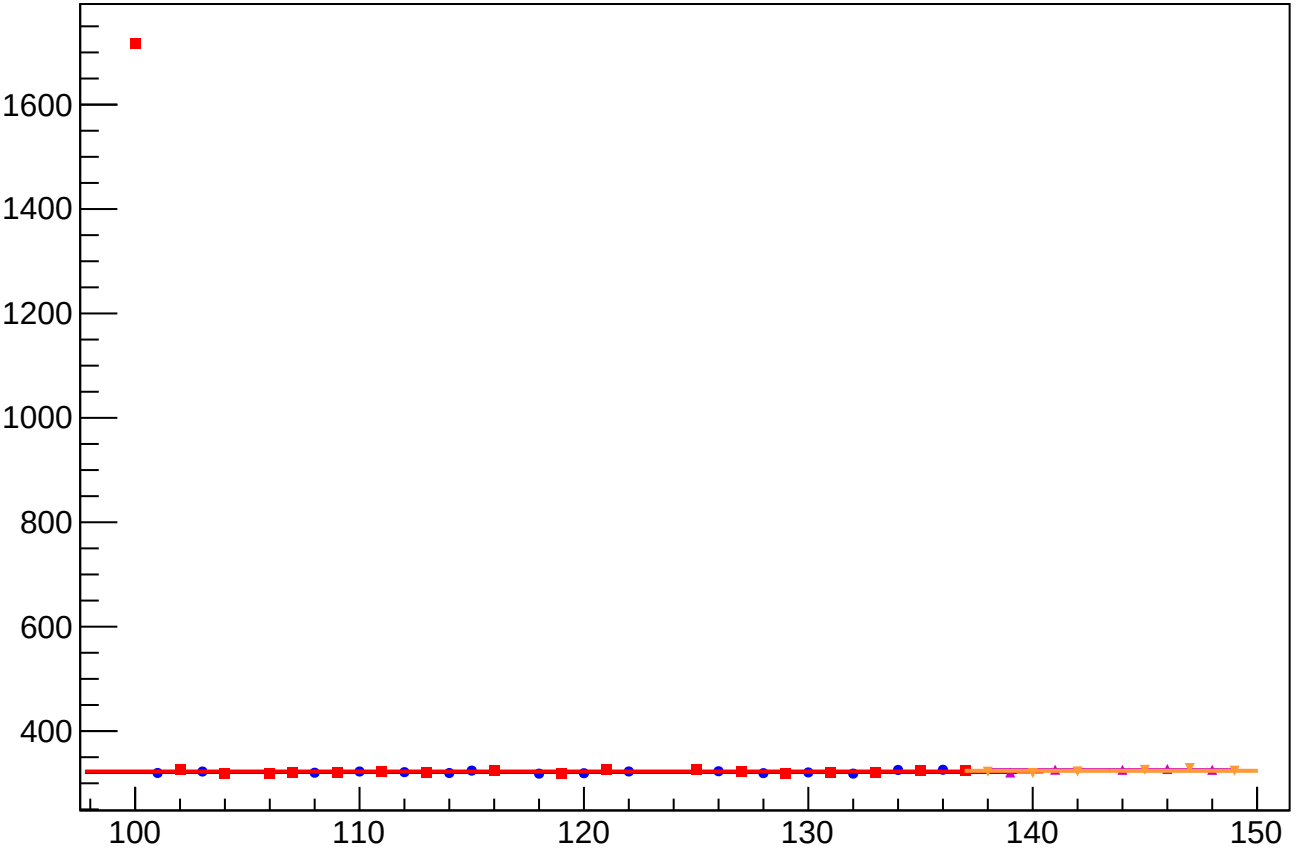
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -55.668+/-94.714 χ^2/NDF:21.9/20

Out: -17.136+/-93.810 χ^2/NDF:21.8/23

All: -36.217+/-66.651 χ^2/NDF: 43.8/44

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.944+/-0.108 χ^2/NDF:815.3/5

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: 324.567+/-0.077 χ^2/NDF: 1331.9/10

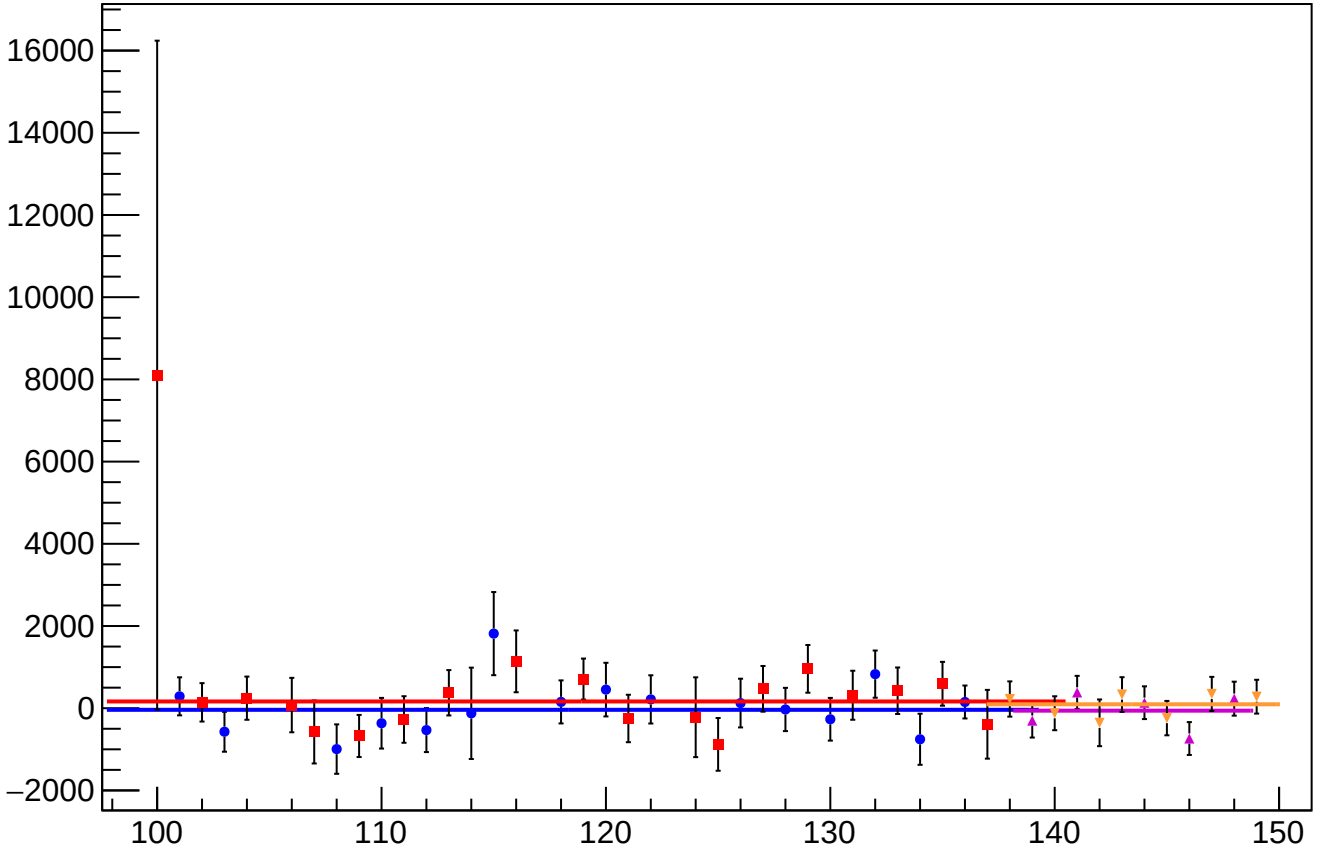
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.945+/-0.067 χ^2/NDF:1950.4/20

Out: 323.082+/-0.066 χ^2/NDF:97810.9/23

All: 323.014+/-0.047 χ^2/NDF: 99763.4/44

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 95.311+/-163.401 χ^2/NDF:2.5/6

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: 25.976+/-121.329 χ^2/NDF: 8.1/11

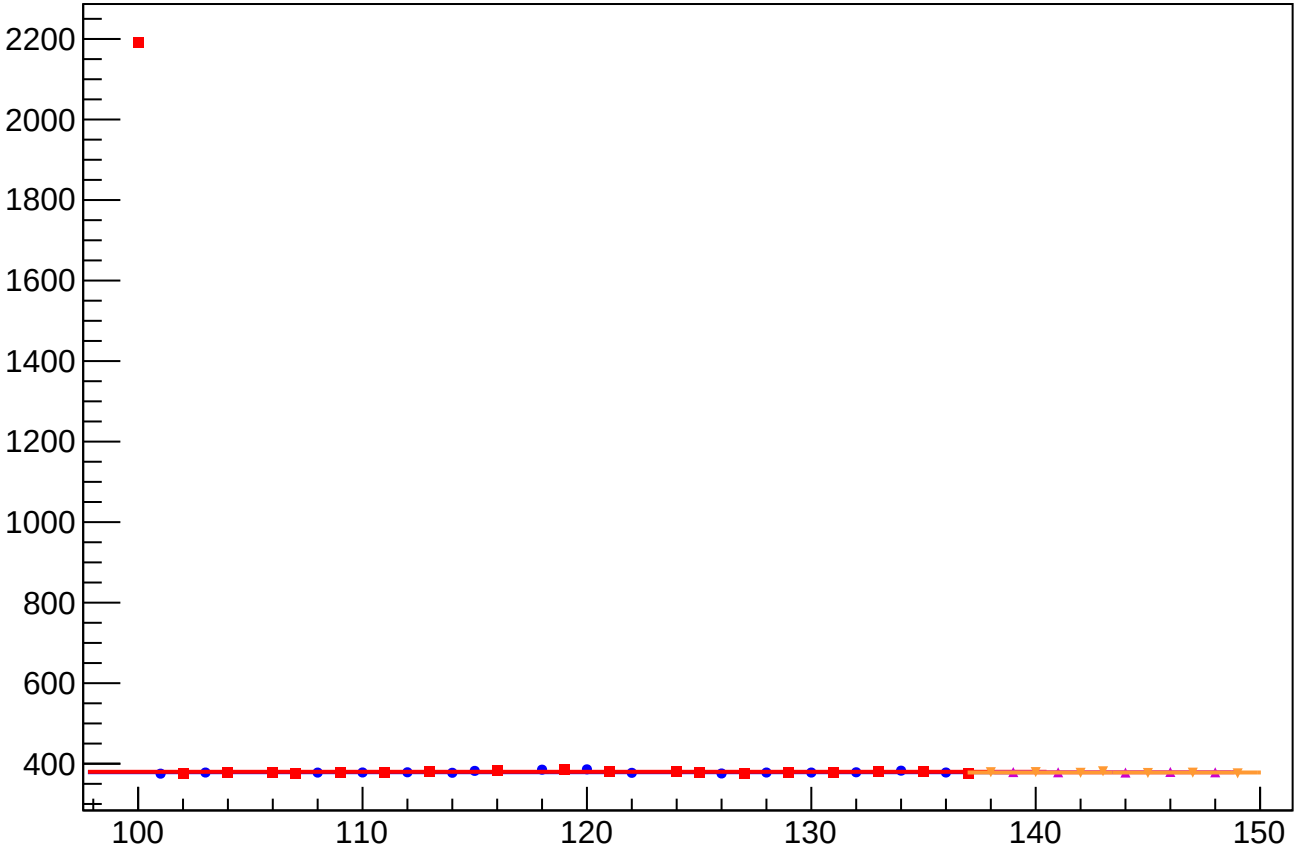
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -46.560+/-111.126 χ^2/NDF:18.9/20

Out: 135.542+/-105.858 χ^2/NDF:17.7/25

All: 48.910+/-76.648 χ^2/NDF: 38.1/46

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.172+/-0.116 χ^2/NDF:190.4/6

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: 378.484+/-0.086 χ^2/NDF: 222.9/11

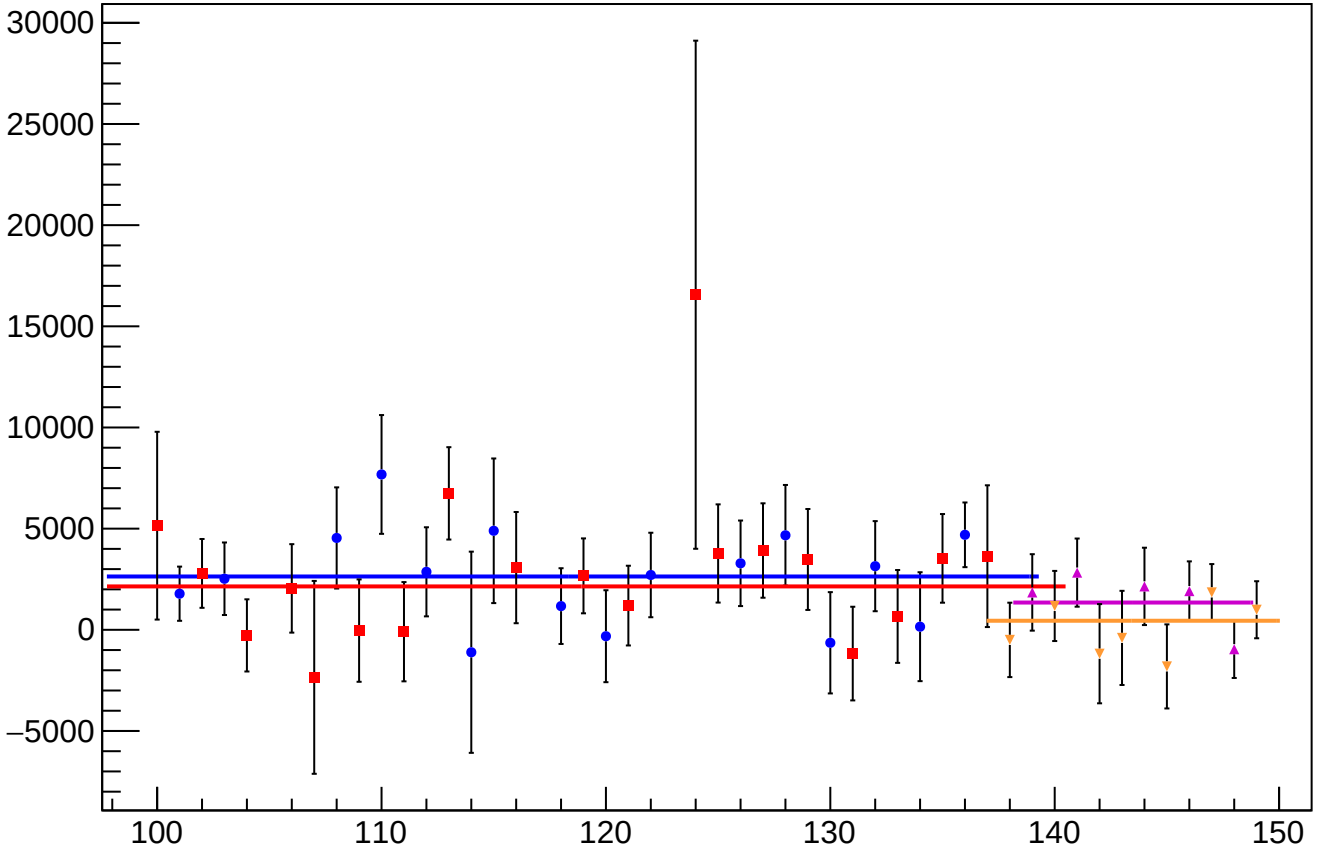
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.894+/-0.079 χ^2/NDF:867.6/20

Out: 379.162+/-0.075 χ^2/NDF:99938.3/25

All: 379.034+/-0.054 χ^2/NDF: 100812.0/46

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 447.885+/-670.533 χ^2/NDF:3.3/6

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: 858.238+/-494.531 χ^2/NDF: 8.0/11

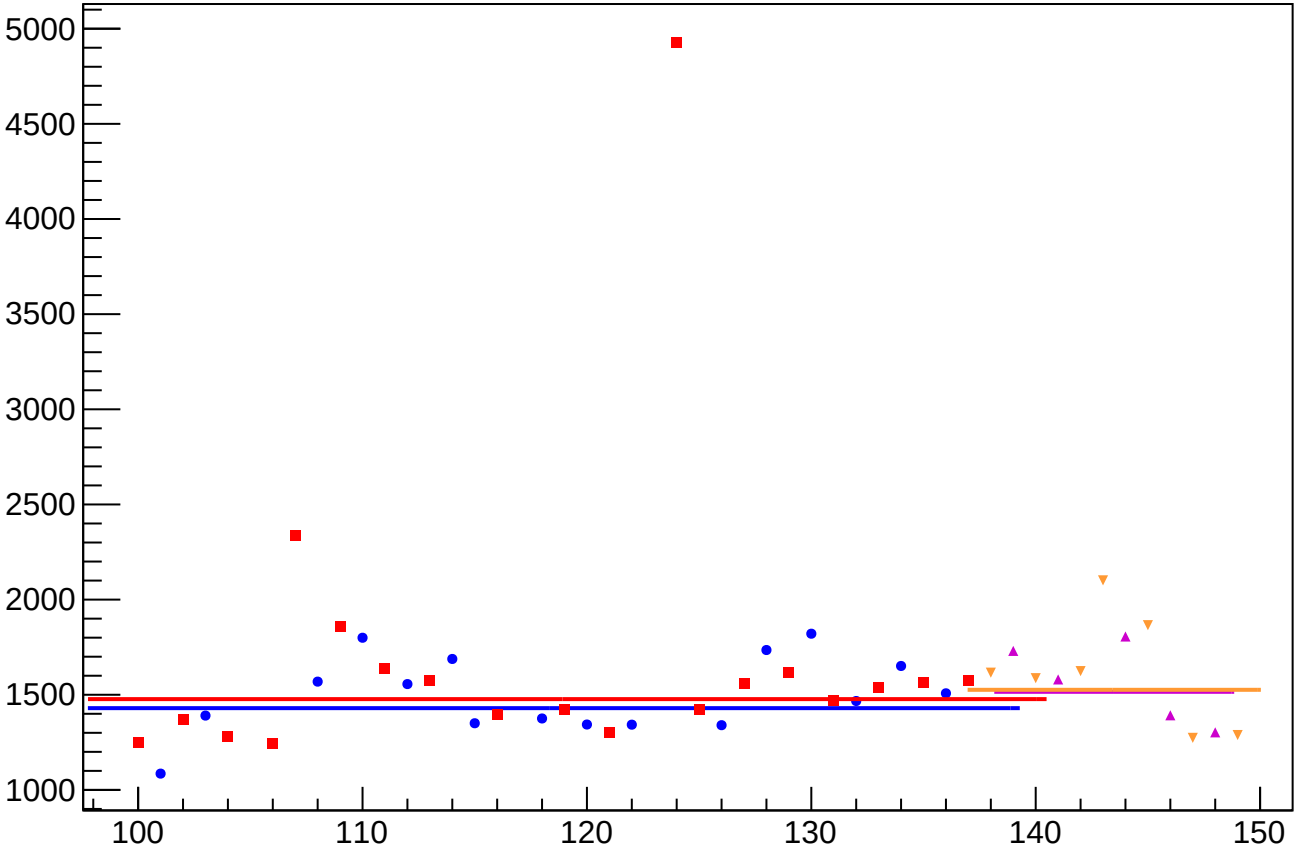
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1466.676+/-423.838 χ^2/NDF:22.2/25

All: 1817.158+/-303.086 χ^2/NDF: 41.7/46

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1526.016+/-0.474 χ^2/NDF:307896.8/6

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: 1521.233+/-0.350 χ^2/NDF: 442281.8/11

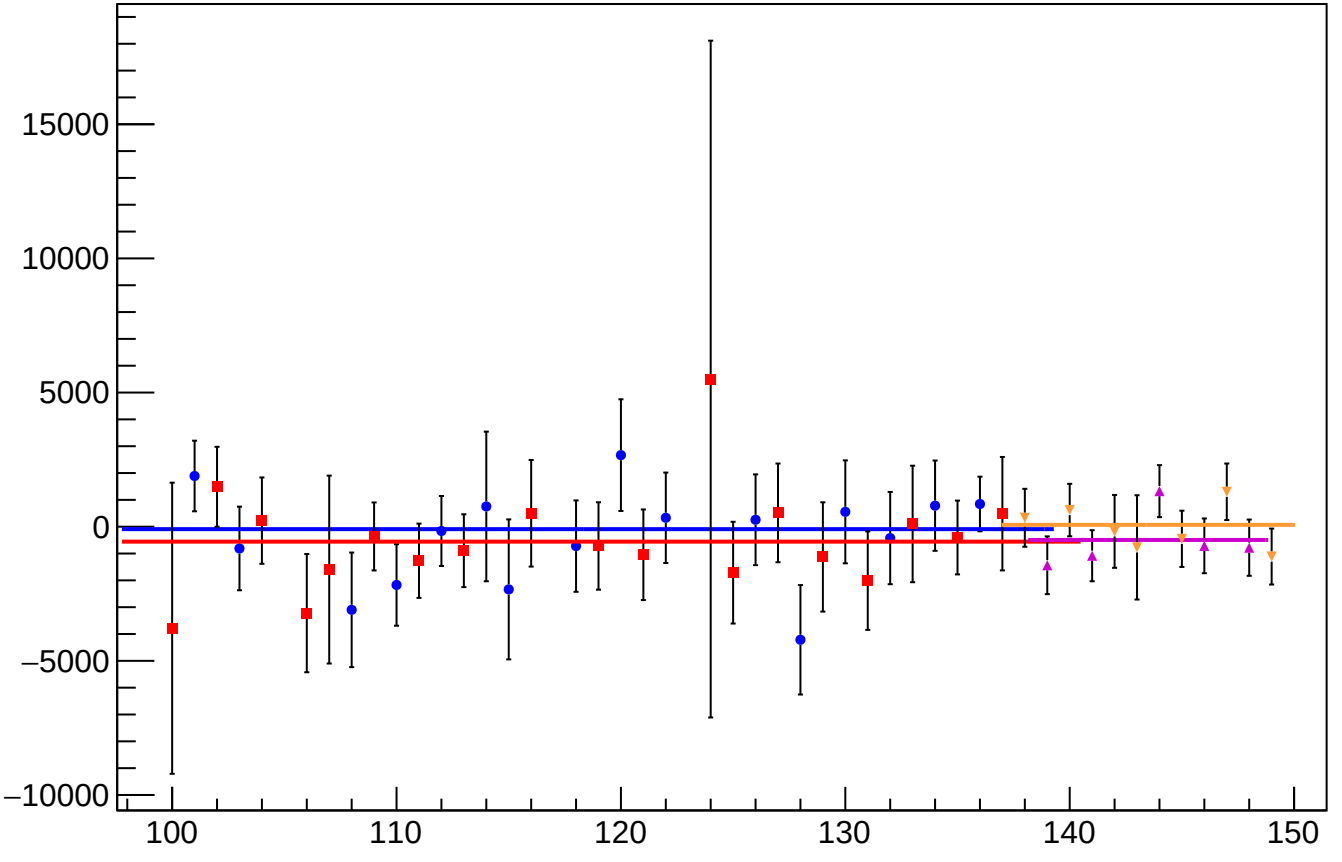
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1496.660+/-0.300 χ^2/NDF:683711.9/25

All: 1478.629+/-0.214 χ^2/NDF: 1136531.4/46

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 68.429+/-428.611 χ^2/NDF:3.5/6

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: -198.060+/-310.936 χ^2/NDF: 9.1/11

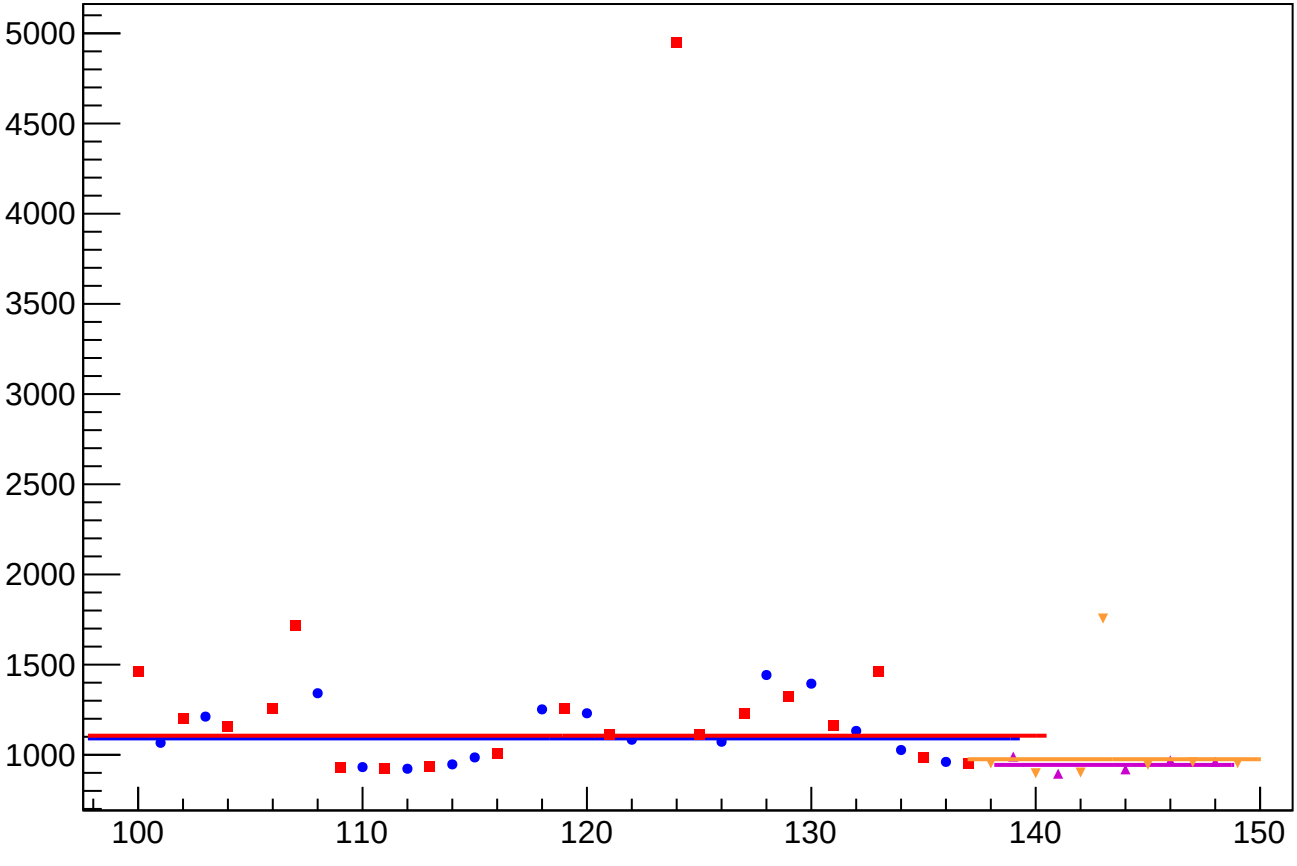
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: -257.052+/-296.781 χ^2/NDF:11.4/25

All: -264.950+/-212.222 χ^2/NDF: 31.1/46

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 975.611+/-0.303 χ^2/NDF:345012.1/6

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: 960.687+/-0.220 χ^2/NDF: 362055.1/11

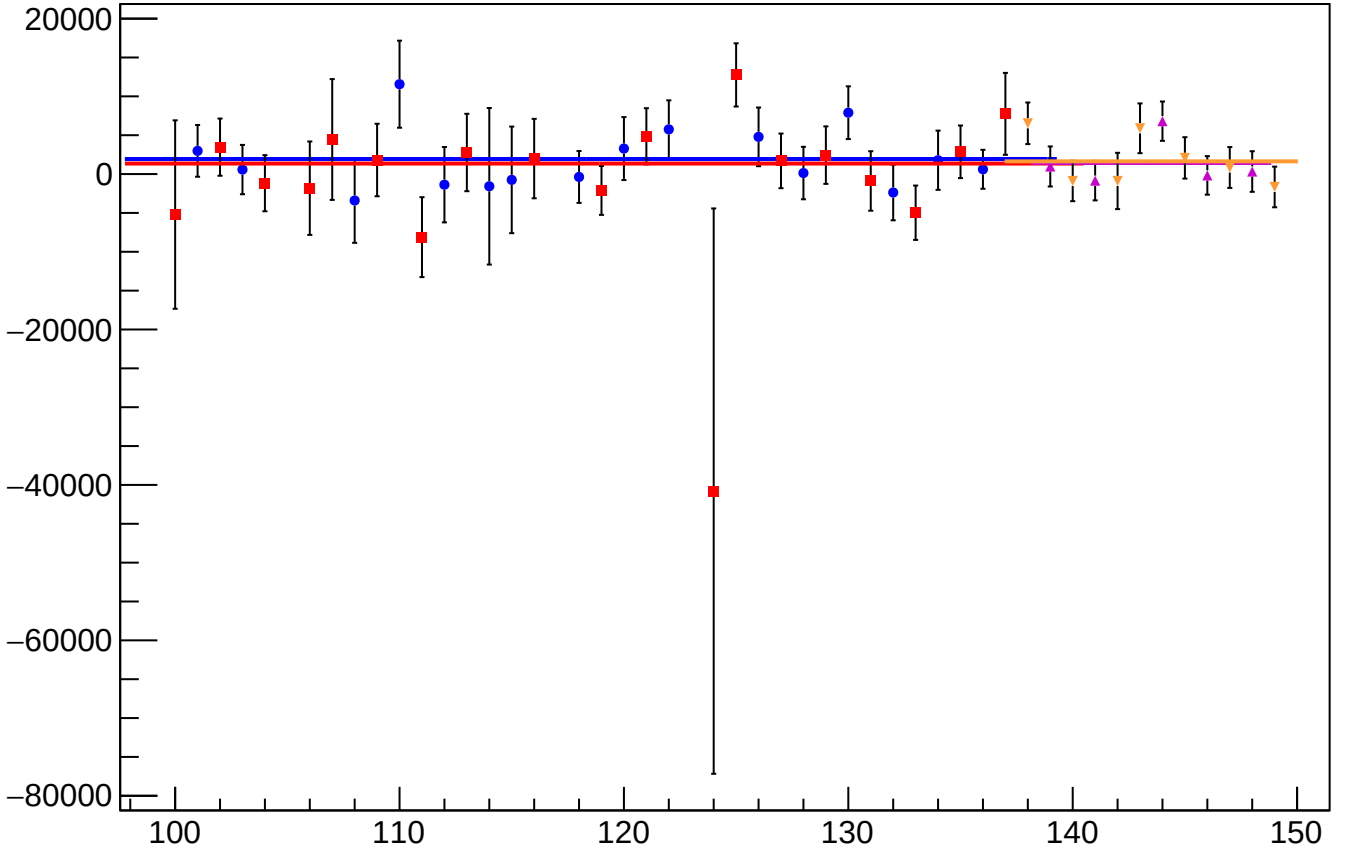
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1043.508+/-0.210 χ^2/NDF:955526.8/25

All: 1034.310+/-0.150 χ^2/NDF: 1364712.8/46

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1636.537+/-1058.077 χ^2/NDF:8.2/6

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: 1539.403+/-775.249 χ^2/NDF: 14.2/11

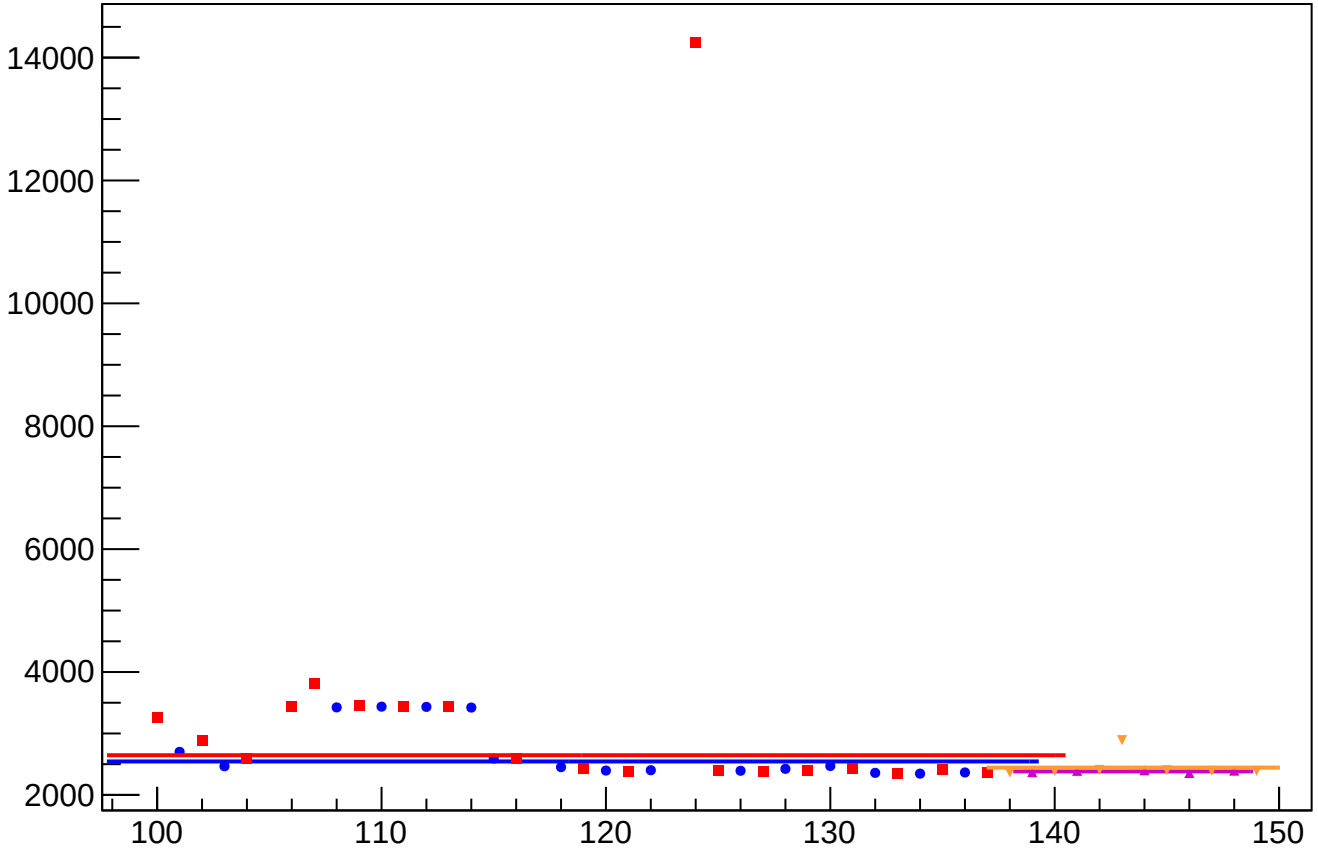
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1728.627+/-730.732 χ^2/NDF:18.3/20

Out: 1484.886+/-720.998 χ^2/NDF:30.1/25

All: 1605.122+/-513.230 χ^2/NDF: 48.4/46

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2443.906+/-0.748 χ^2/NDF:43990.9/6

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2382.709+/-0.805 χ^2/NDF:441.3/4

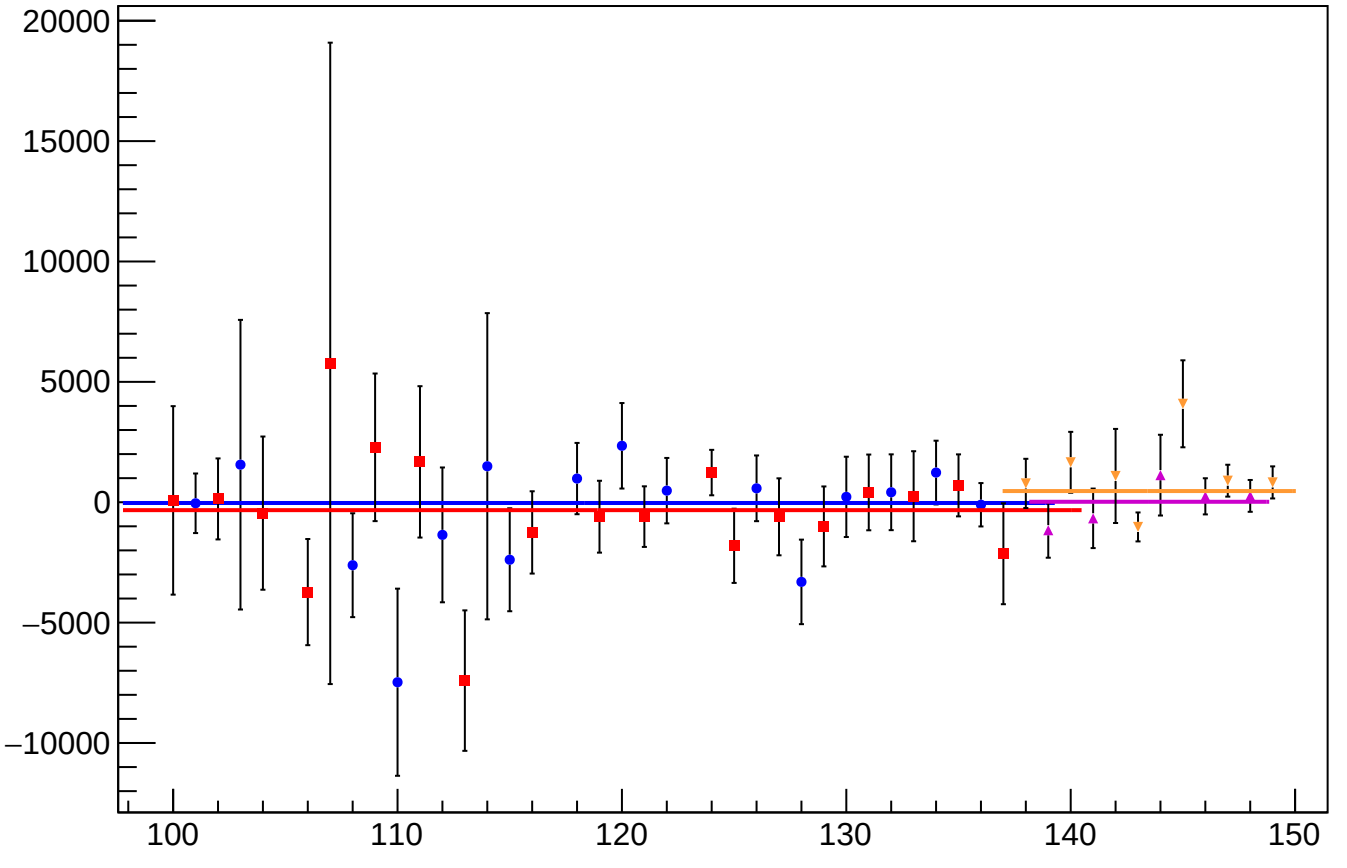
Left: 2415.563+/-0.548 χ^2/NDF: 47530.9/11

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

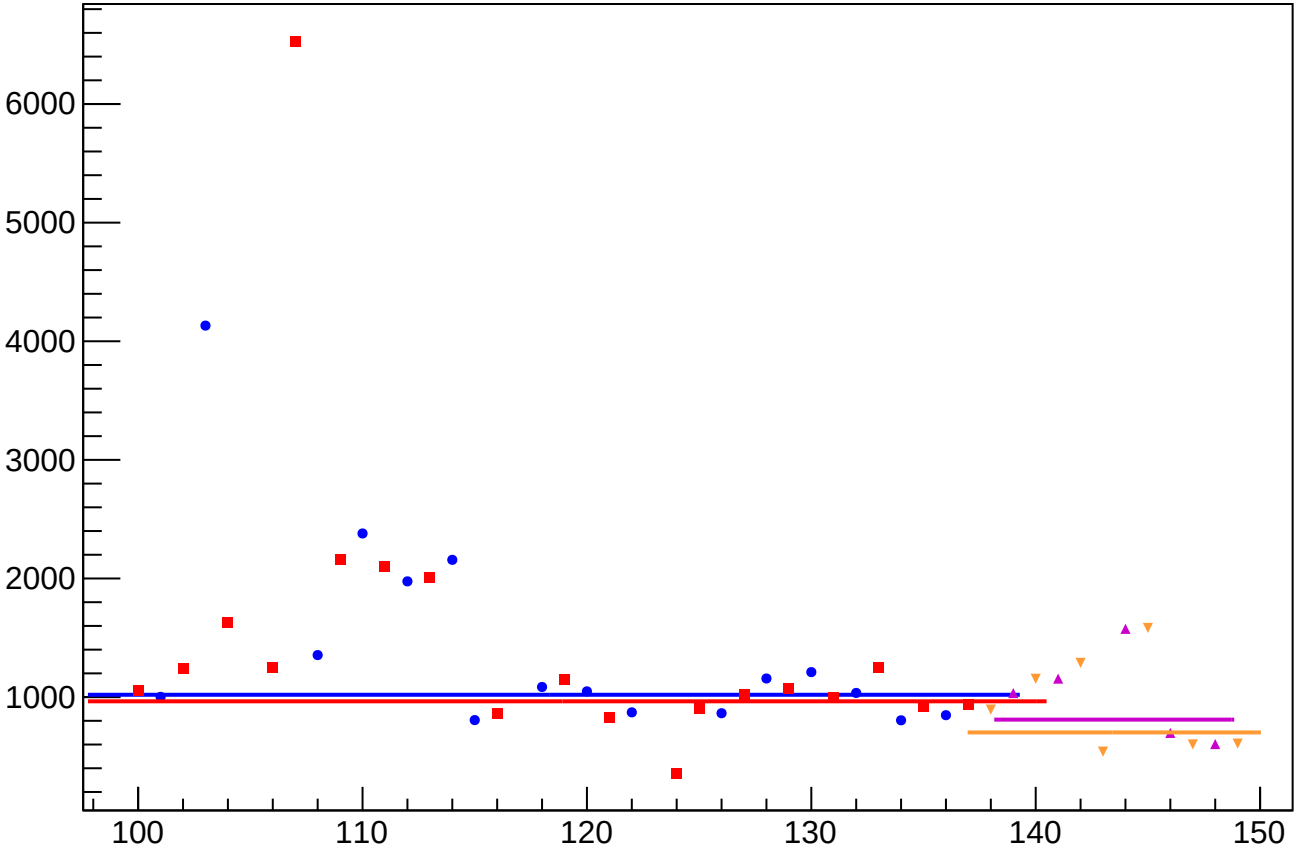
In: 2477.875+/-0.517 χ^2/NDF:249773.6/20

Out: 2551.971+/-0.510 χ^2/NDF:619902.8/25

All: 2515.420+/-0.363 χ^2/NDF: 880096.3/46


asym_atl1_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -31.191+/-405.726 χ²/NDF: 13.8/15
Left Out: 464.197+/-325.306 χ²/NDF:12.0/6
Right Out: -328.475+/-398.568 χ²/NDF: 15.6/18
Left In: 19.150+/-413.865 χ²/NDF:2.0/4
Left: 294.240+/-255.756 χ²/NDF: 14.7/11
Right: -182.479+/-284.327 χ²/NDF: 29.7/34
In: -6.521+/-289.727 χ²/NDF:15.8/20
Out: 147.272+/-252.019 χ²/NDF:30.0/25
All: 81.029+/-190.148 χ²/NDF: 46.0/46

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 702.075+/-0.230 χ^2/NDF:1214679.0/6

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: 743.294+/-0.181 χ^2/NDF: 2186932.3/11

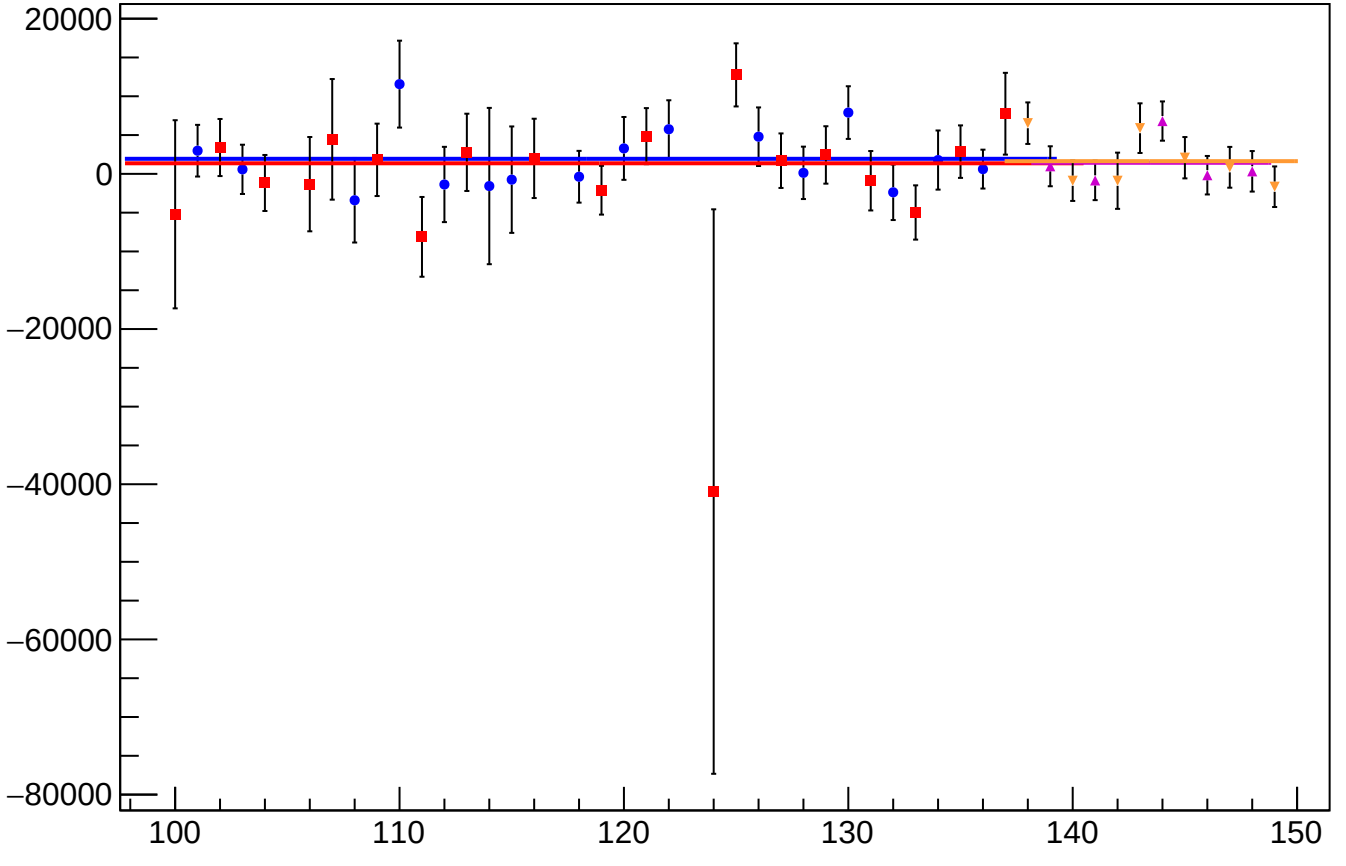
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 916.847+/-0.205 χ^2/NDF:2514273.9/20

Out: 806.949+/-0.178 χ^2/NDF:4043936.4/25

All: 854.286+/-0.134 χ^2/NDF: 6722025.7/46

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1636.357+/-1058.077 χ^2/NDF:8.2/6

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: 1539.436+/-775.249 χ^2/NDF: 14.2/11

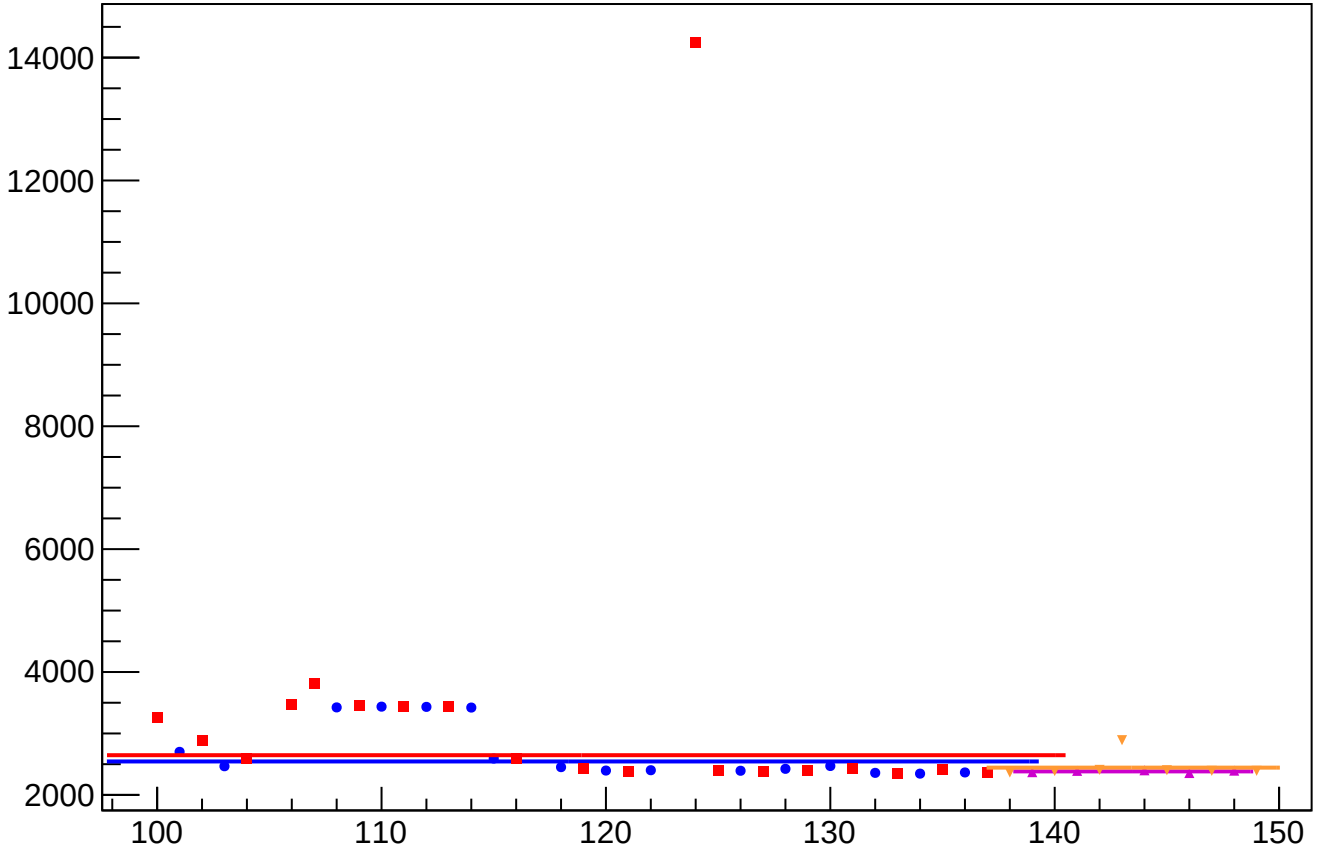
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1728.947+/-730.732 χ^2/NDF:18.3/20

Out: 1490.019+/-721.116 χ^2/NDF:30.0/25

All: 1607.901+/-513.272 χ^2/NDF: 48.3/46

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2443.906+/-0.748 χ^2/NDF:43990.9/6

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: 2415.563+/-0.548 χ^2/NDF: 47530.9/11

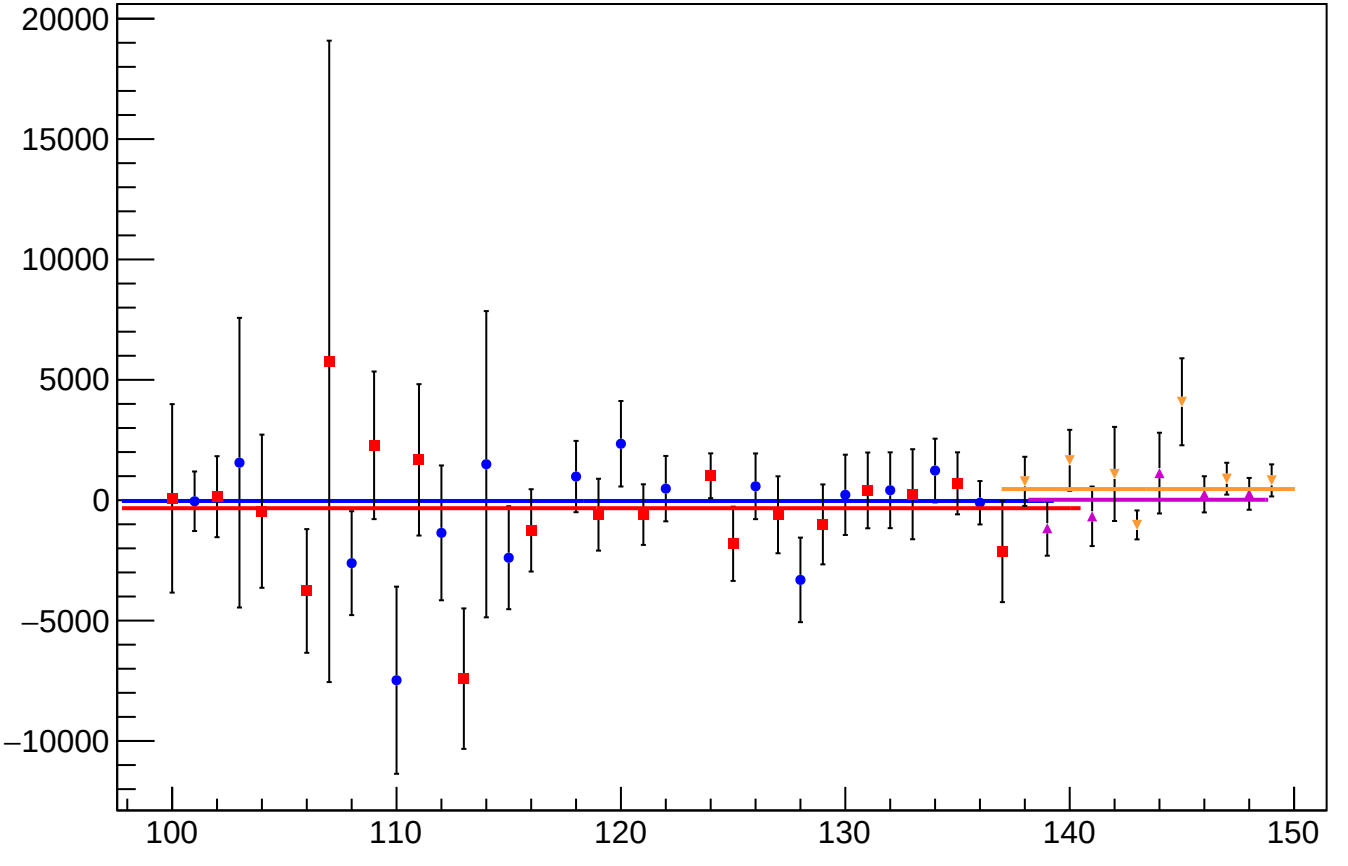
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2477.875+/-0.517 χ^2/NDF:249773.6/20

Out: 2552.238+/-0.510 χ^2/NDF:622688.4/25

All: 2515.549+/-0.363 χ^2/NDF: 882955.4/46

asym_atl1_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 464.072+/-325.313 χ^2/NDF:12.0/6

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: 294.225+/-255.758 χ^2/NDF: 14.7/11

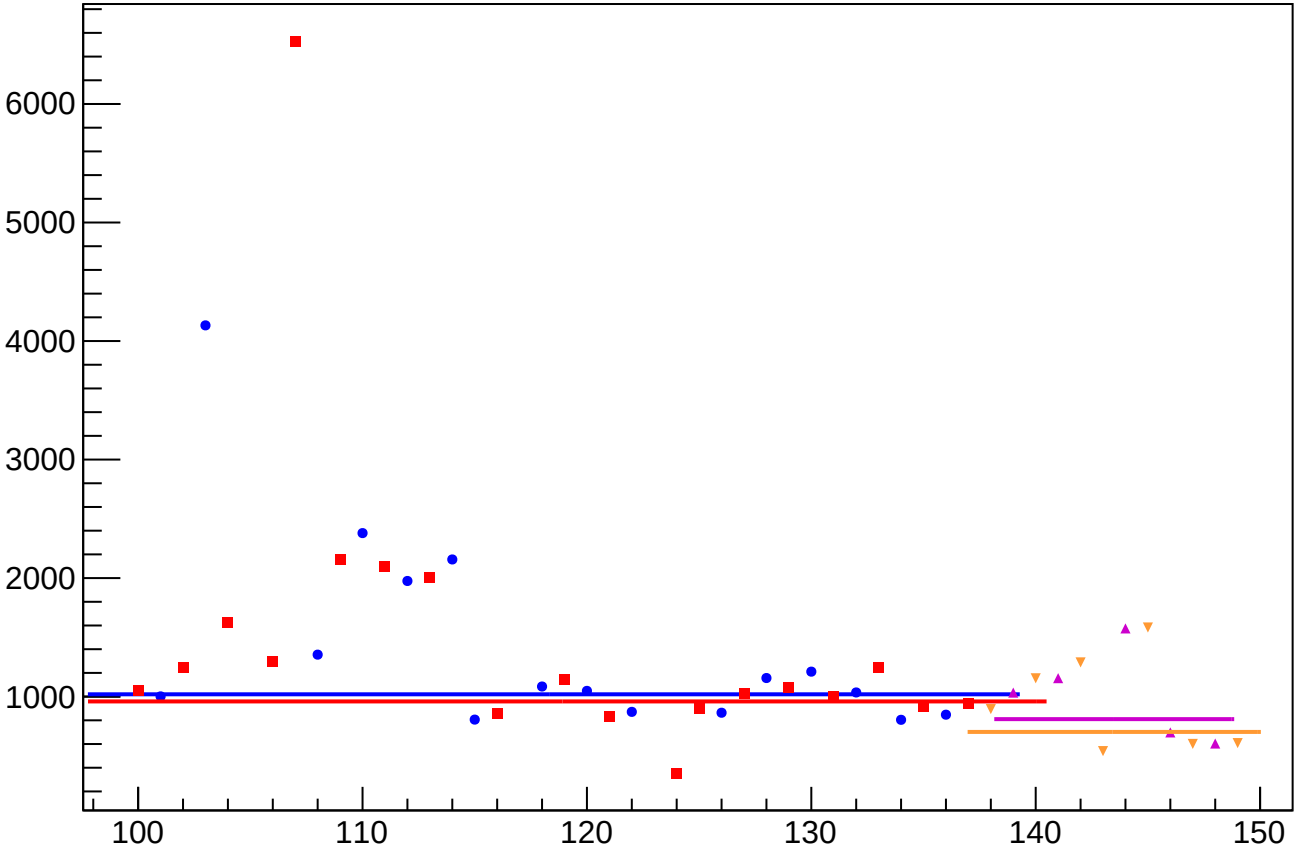
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -6.462+/-289.724 χ^2/NDF:15.8/20

Out: 146.528+/-252.216 χ^2/NDF:28.7/25

All: 80.571+/-190.232 χ^2/NDF: 44.7/46

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 702.092+/-0.230 χ^2/NDF:1214616.9/6

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: 743.302+/-0.181 χ^2/NDF: 2186865.0/11

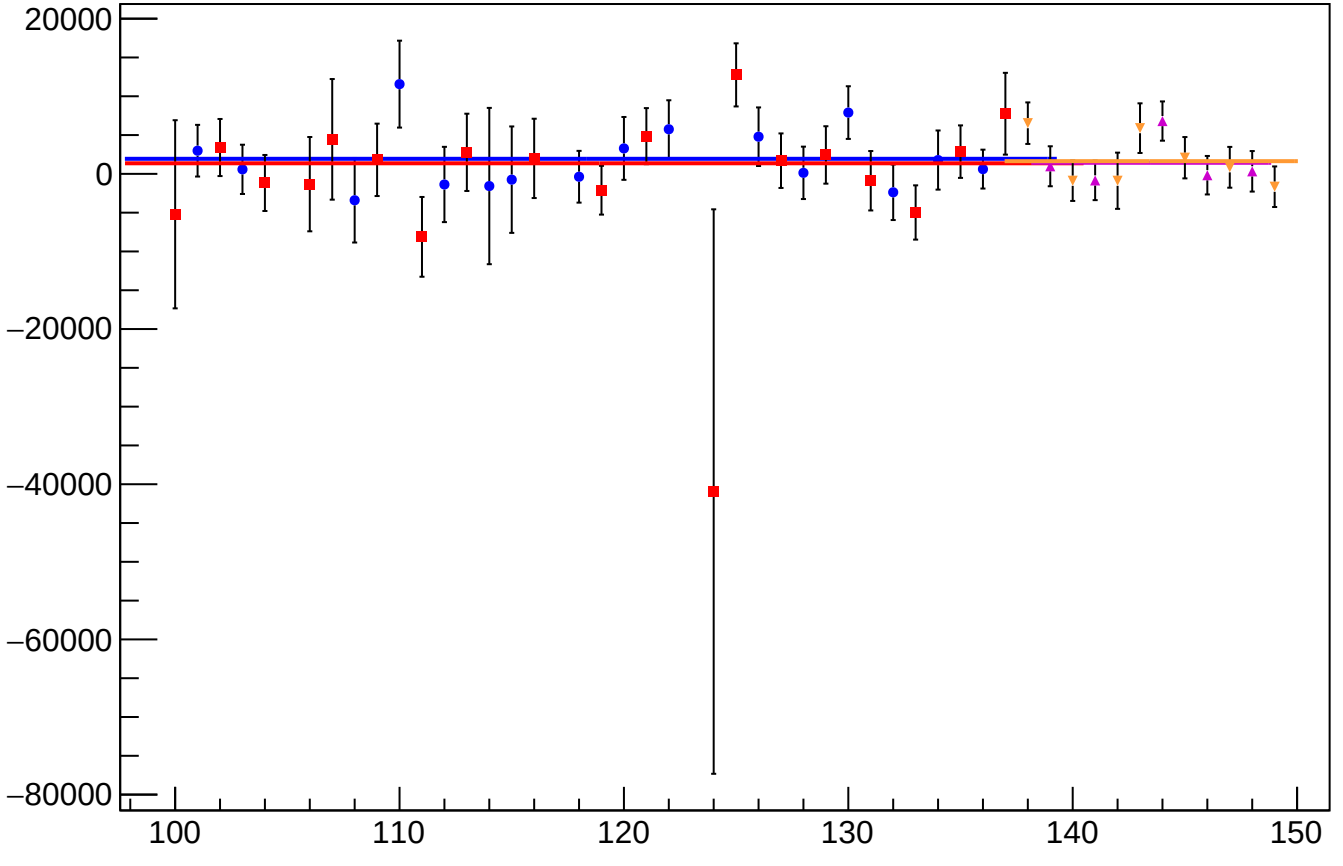
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 916.836+/-0.205 χ^2/NDF:2514329.5/20

Out: 804.712+/-0.178 χ^2/NDF:4057953.9/25

All: 853.051+/-0.135 χ^2/NDF: 6742687.7/46

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1636.357+/-1058.077 χ^2/NDF:8.2/6

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: 1539.436+/-775.249 χ^2/NDF: 14.2/11

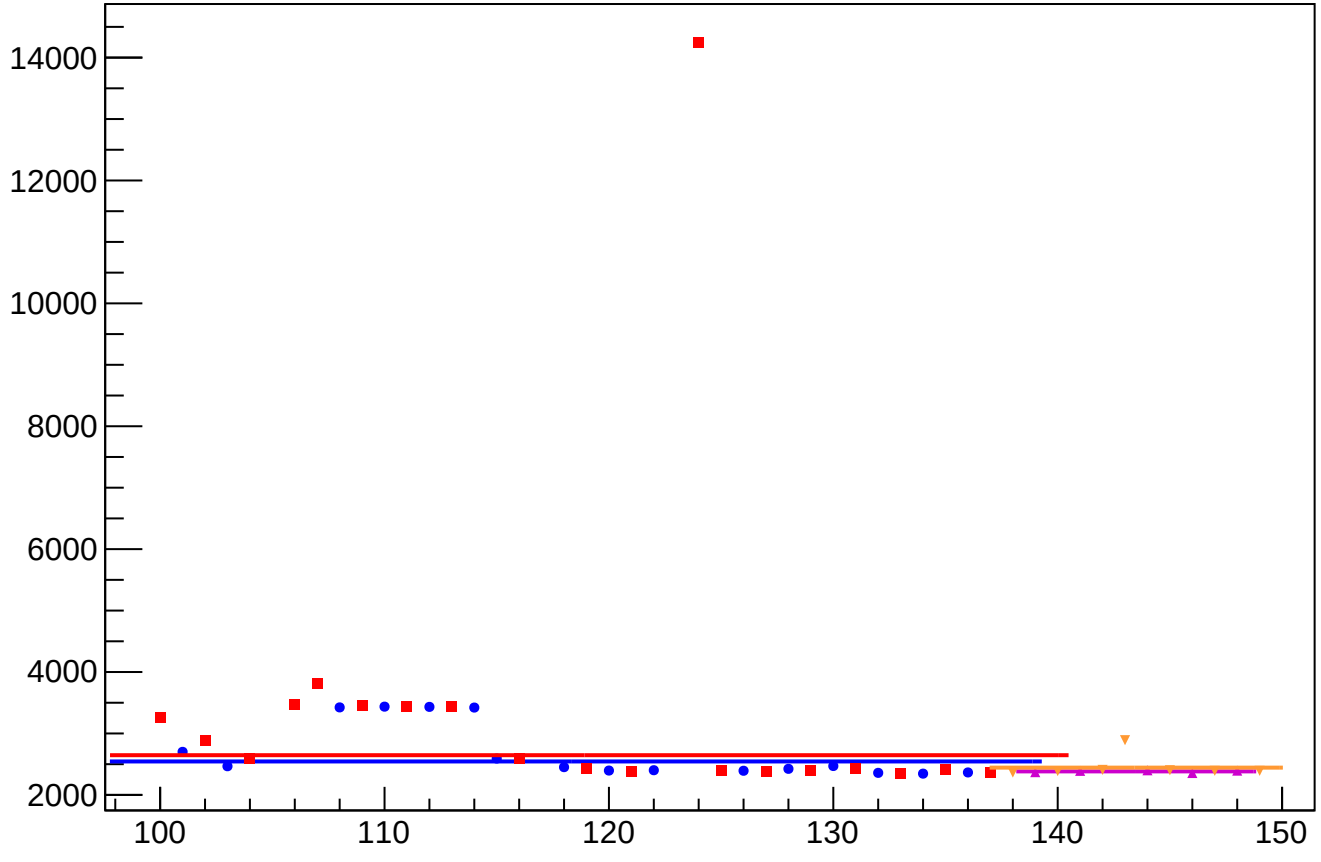
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1728.947+/-730.732 χ^2/NDF:18.3/20

Out: 1490.019+/-721.116 χ^2/NDF:30.0/25

All: 1607.901+/-513.272 χ^2/NDF: 48.3/46

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2443.906+/-0.748 χ^2/NDF:43990.9/6

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: 2415.563+/-0.548 χ^2/NDF: 47530.9/11

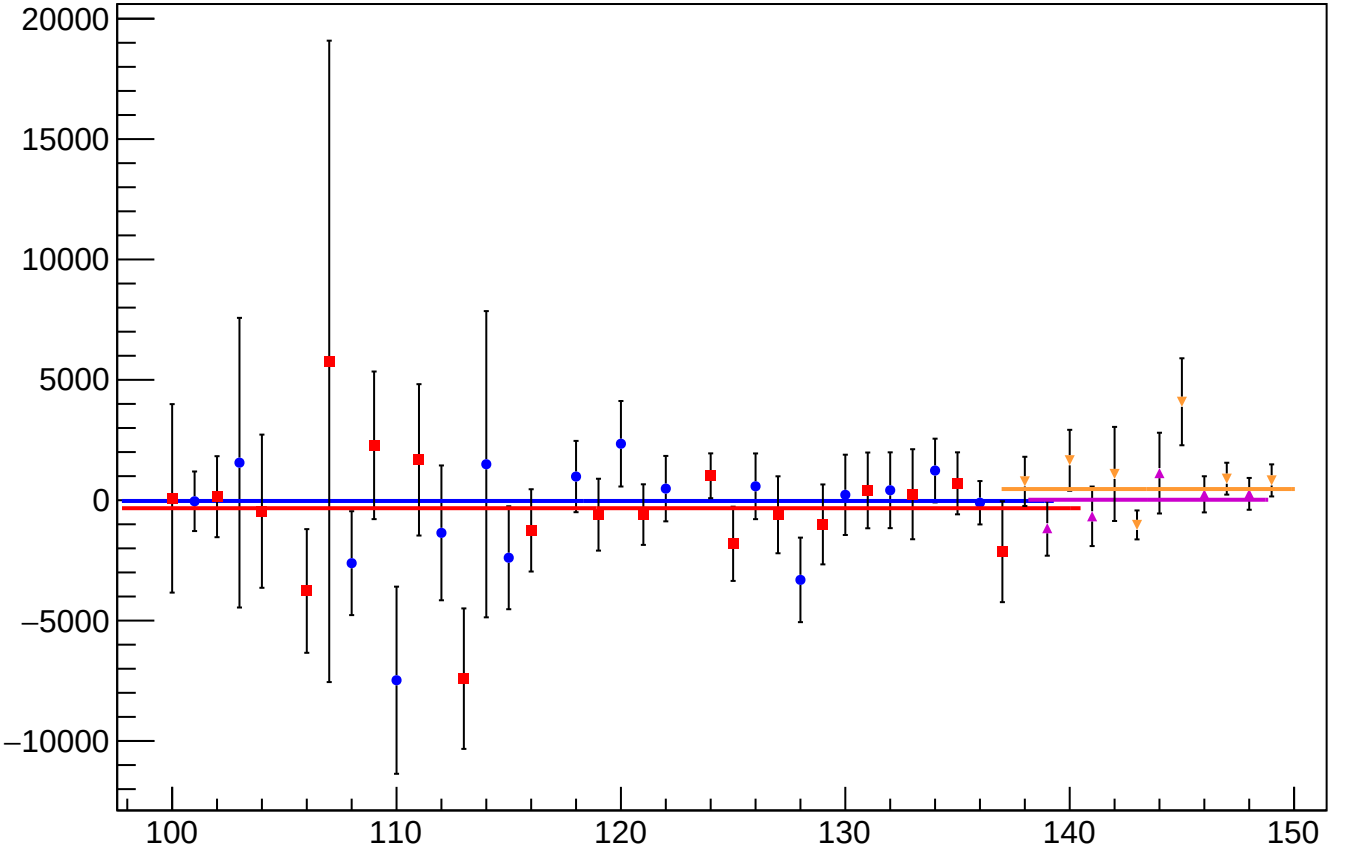
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2477.875+/-0.517 χ^2/NDF:249773.6/20

Out: 2552.238+/-0.510 χ^2/NDF:622688.4/25

All: 2515.549+/-0.363 χ^2/NDF: 882955.4/46

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 464.072+/-325.313 χ^2/NDF:12.0/6

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 19.333+/-413.860 χ^2/NDF:2.0/4

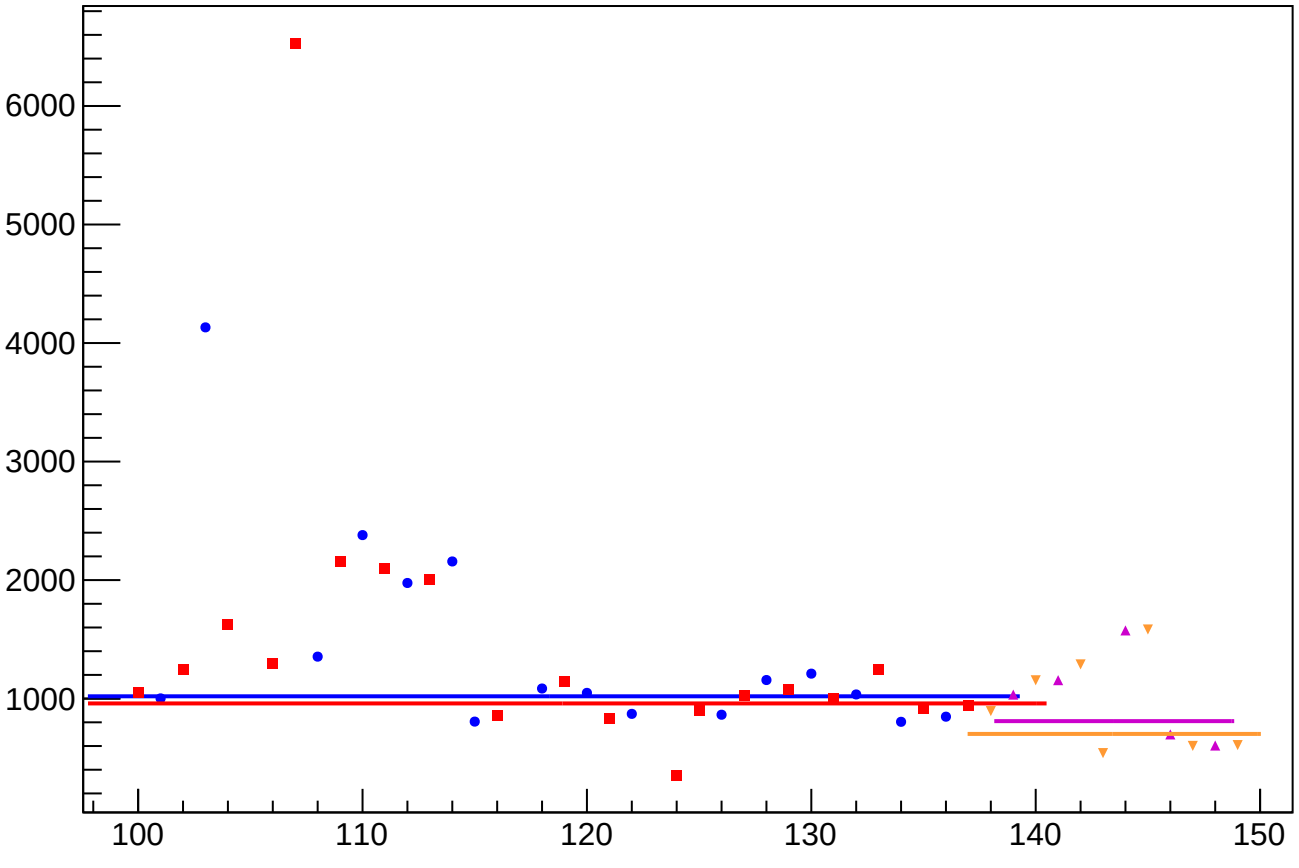
Left: 294.225+/-255.758 χ^2/NDF: 14.7/11

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -6.462+/-289.724 χ^2/NDF:15.8/20

Out: 146.528+/-252.216 χ^2/NDF:28.7/25

All: 80.571+/-190.232 χ^2/NDF: 44.7/46



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 702.092+/-0.230 χ^2/NDF:1214616.9/6

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 809.998+/-0.293 χ^2/NDF:888211.9/4

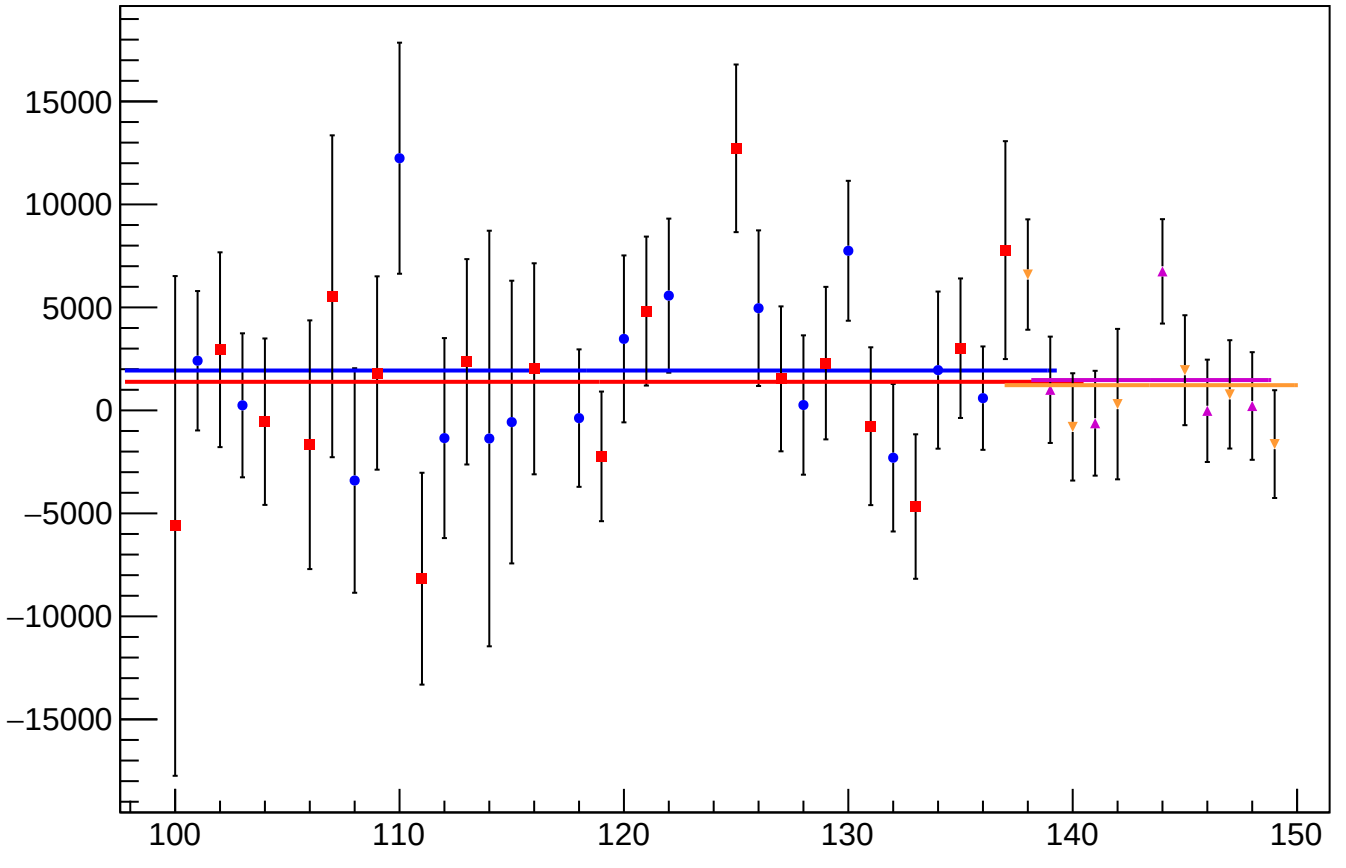
Left: 743.302+/-0.181 χ^2/NDF: 2186865.0/11

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 916.836+/-0.205 χ^2/NDF:2514329.5/20

Out: 804.712+/-0.178 χ^2/NDF:4057953.9/25

All: 853.051+/-0.135 χ^2/NDF: 6742687.7/46



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1224.318+/-1123.239 χ^2/NDF:6.0/5

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: 1346.766+/-800.333 χ^2/NDF: 11.6/10

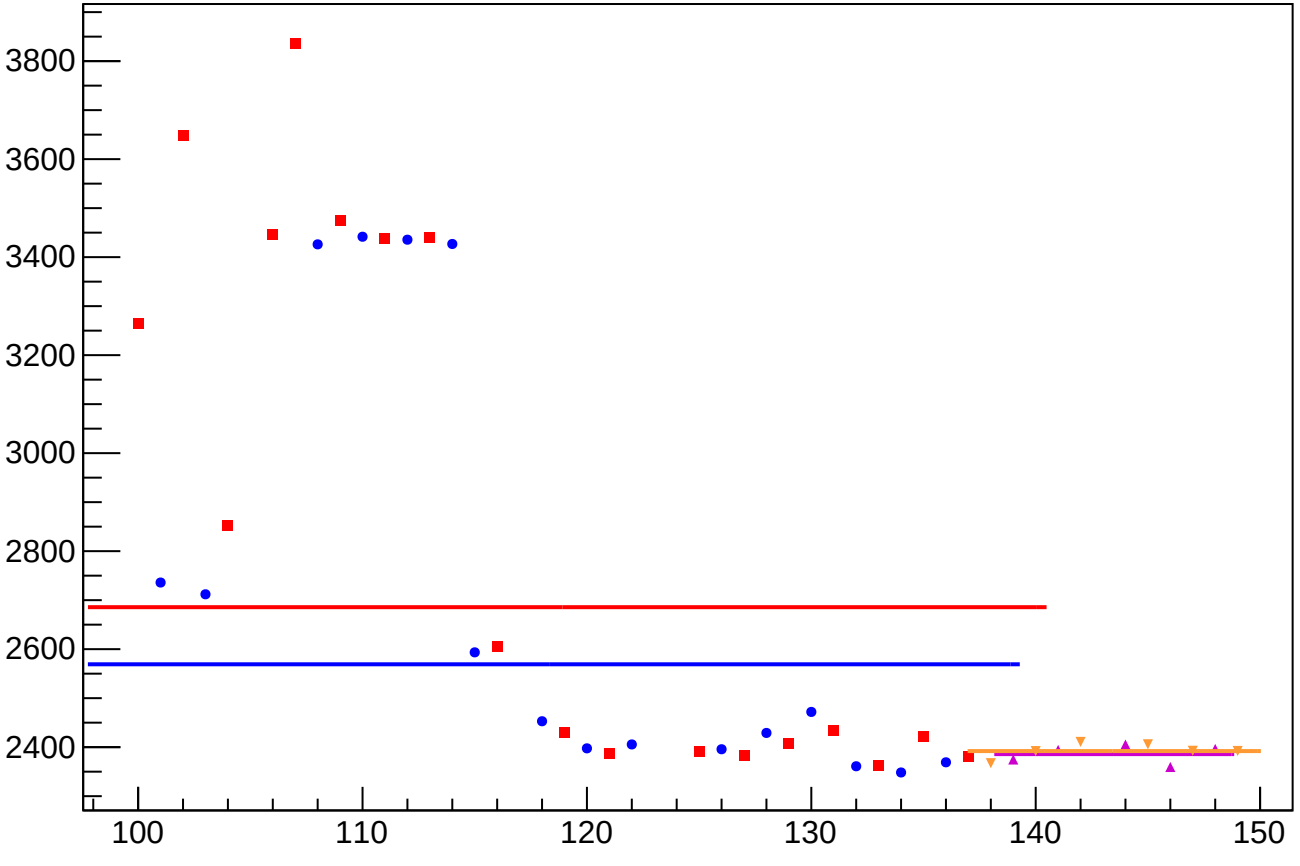
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1743.491+/-735.525 χ^2/NDF:18.1/20

Out: 1314.645+/-750.663 χ^2/NDF:25.8/23

All: 1533.435+/-525.365 χ^2/NDF: 44.0/44

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2392.011+/-0.794 χ^2/NDF:277.0/5

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

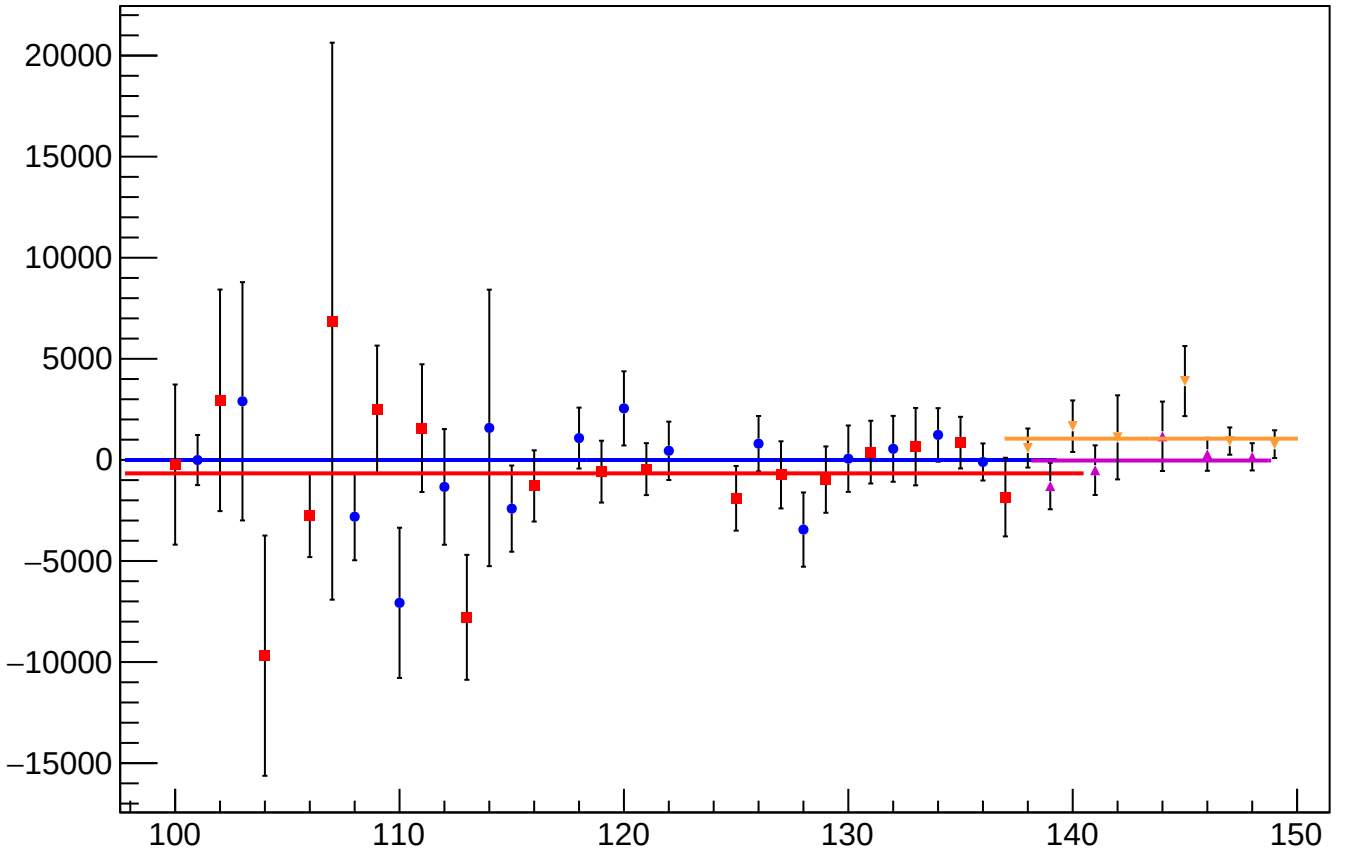
Left: 2388.966+/-0.566 χ^2/NDF: 739.5/10

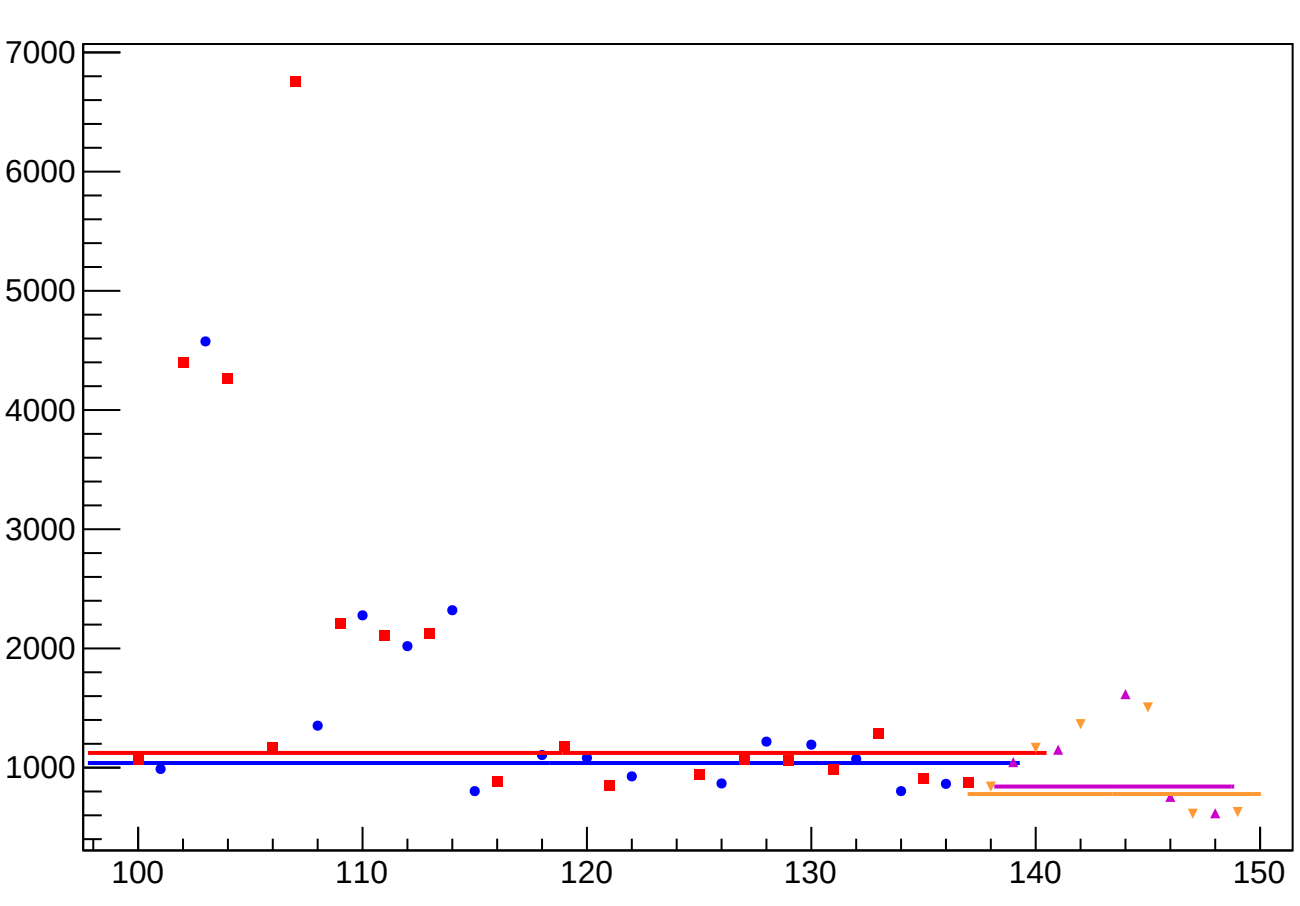
Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2492.910+/-0.520 χ^2/NDF:260094.0/20

Out: 2554.516+/-0.531 χ^2/NDF:495191.0/23

All: 2523.086+/-0.371 χ^2/NDF: 762157.4/44


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: 1051.295+/-390.362 χ²/NDF:3.4/5
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: -30.899+/-427.802 χ²/NDF:2.1/4
Left: 559.617+/-288.357 χ²/NDF: 8.9/10
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -17.558+/-296.850 χ²/NDF:16.6/20
Out: 333.294+/-297.775 χ²/NDF:25.8/23
All: 157.322+/-210.231 χ²/NDF: 43.1/44



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 778.599+/-0.276 χ^2/NDF:919946.5/5

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 841.439+/-0.303 χ^2/NDF:841360.8/4

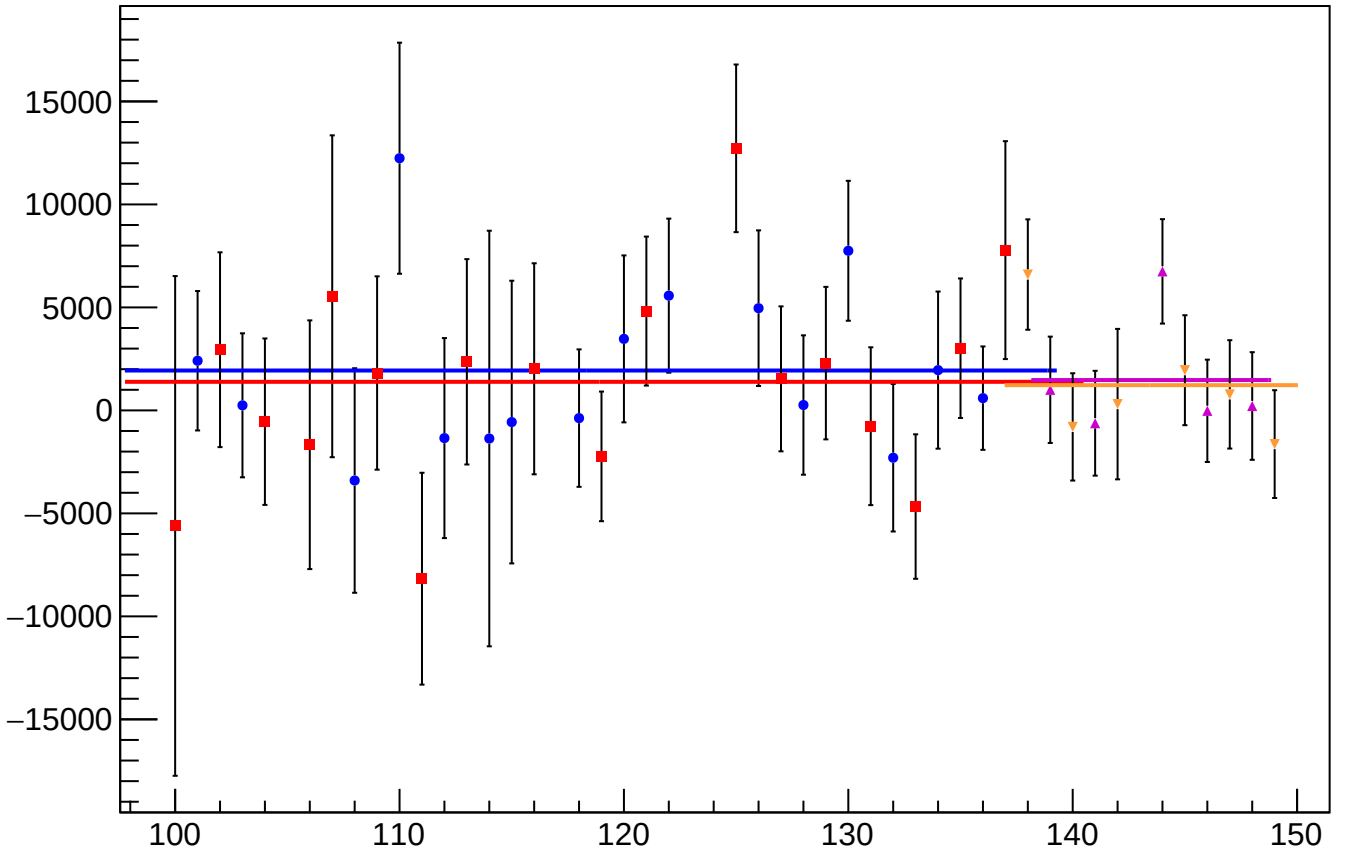
Left: 807.149+/-0.204 χ^2/NDF: 1784854.2/10

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 943.774+/-0.210 χ^2/NDF:2601809.9/20

Out: 922.796+/-0.211 χ^2/NDF:4108152.4/23

All: 933.317+/-0.149 χ^2/NDF: 6714941.1/44



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1224.322+/-1123.239 χ^2/NDF:6.0/5

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: 1346.767+/-800.333 χ^2/NDF: 11.6/10

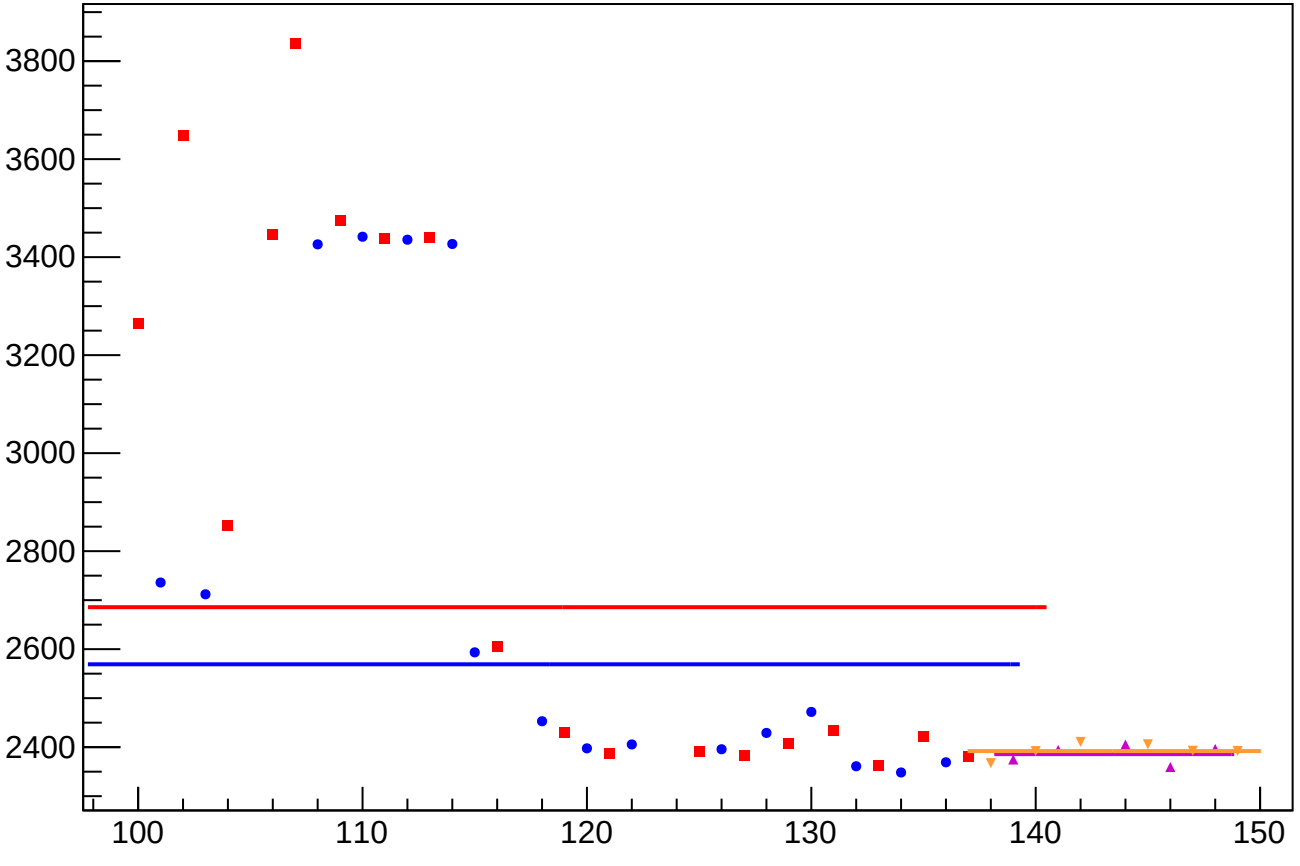
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1743.489+/-735.525 χ^2/NDF:18.1/20

Out: 1314.645+/-750.663 χ^2/NDF:25.8/23

All: 1533.434+/-525.365 χ^2/NDF: 44.0/44

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2392.011+/-0.794 χ^2/NDF:277.0/5

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2385.825+/-0.807 χ^2/NDF:432.6/4

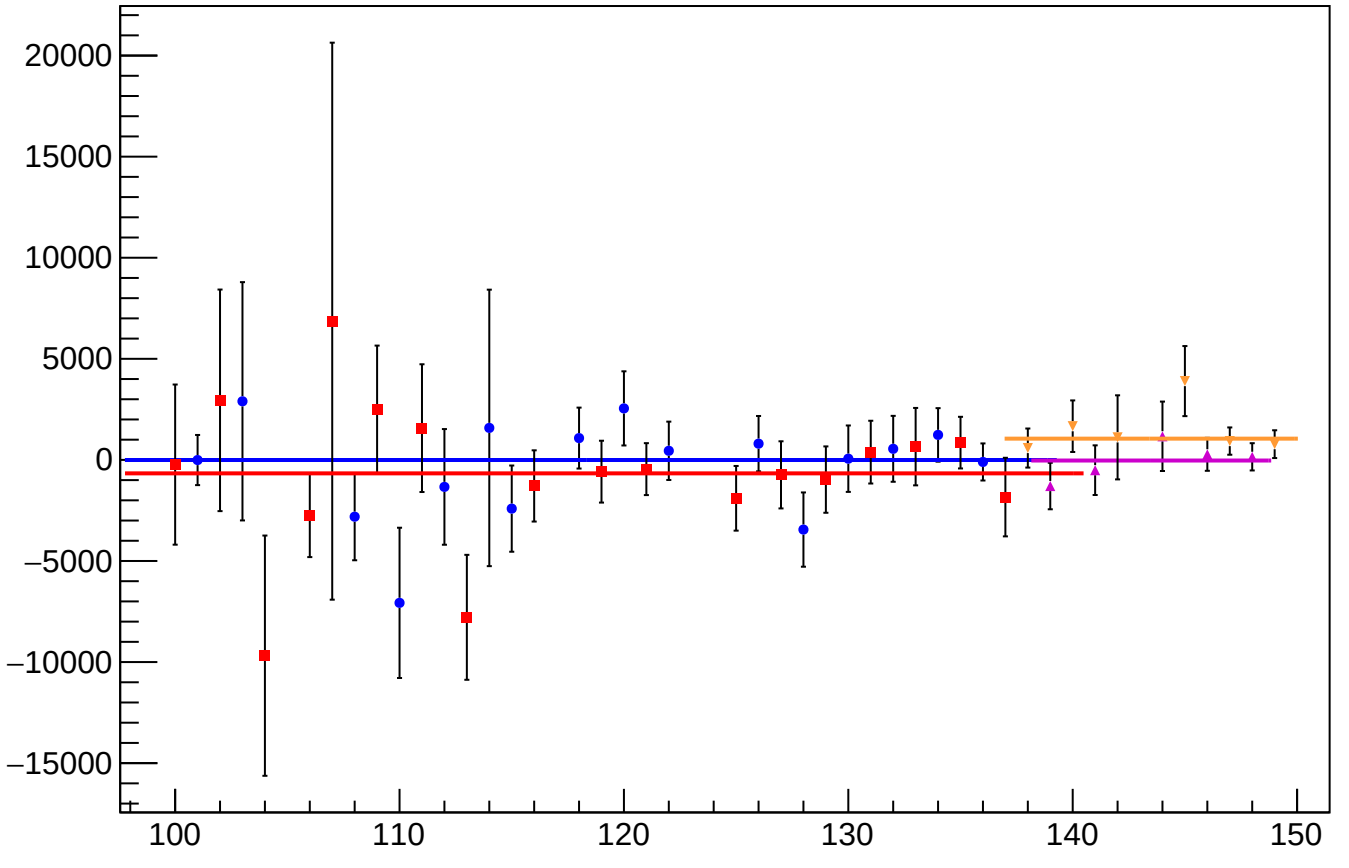
Left: 2388.966+/-0.566 χ^2/NDF: 739.5/10

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2492.910+/-0.520 χ^2/NDF:260093.6/20

Out: 2554.516+/-0.531 χ^2/NDF:495190.2/23

All: 2523.085+/-0.371 χ^2/NDF: 762156.3/44



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1051.297+/-390.363 χ^2/NDF:3.4/5

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -30.900+/-427.803 χ^2/NDF:2.1/4

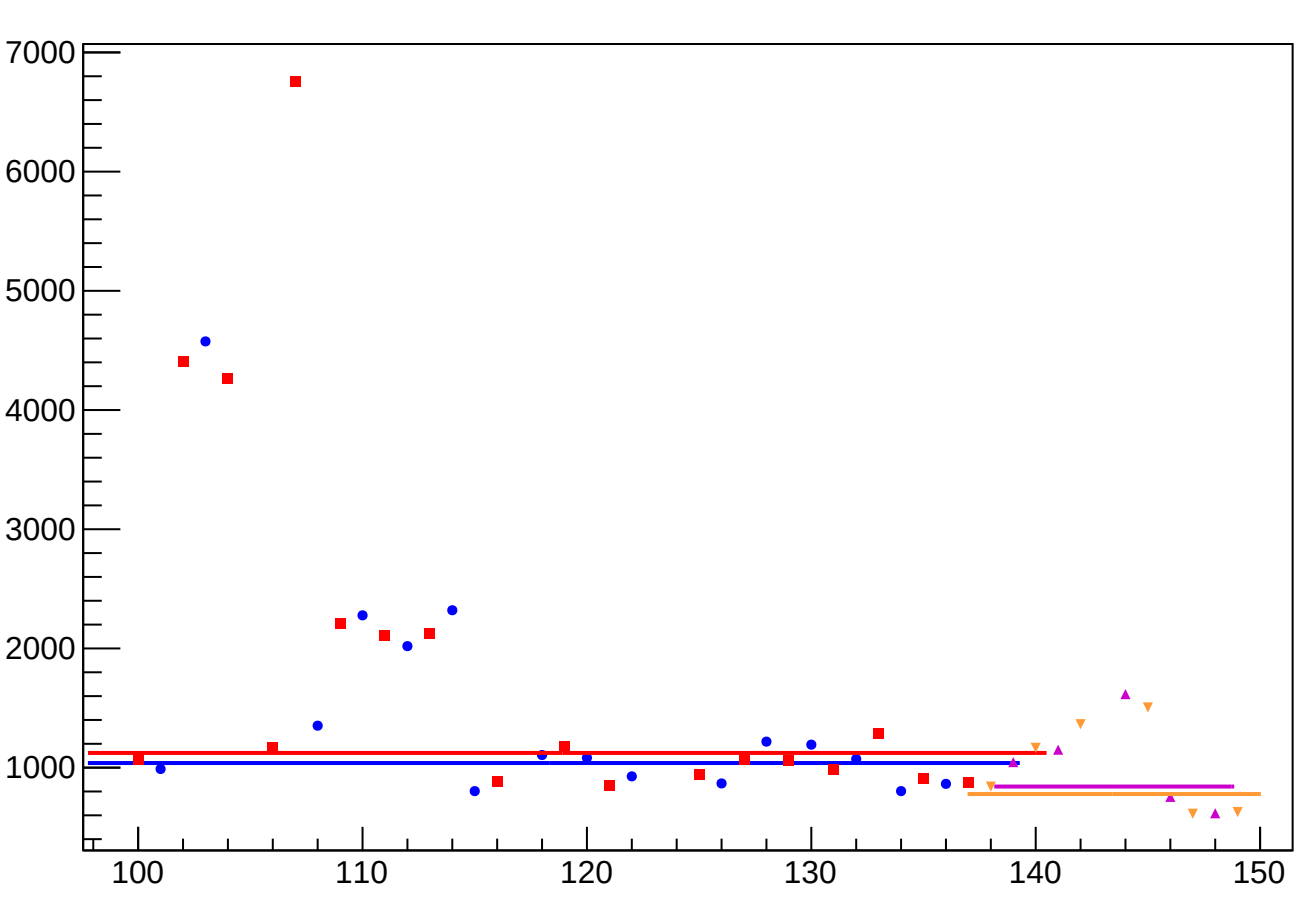
Left: 559.617+/-288.358 χ^2/NDF: 8.9/10

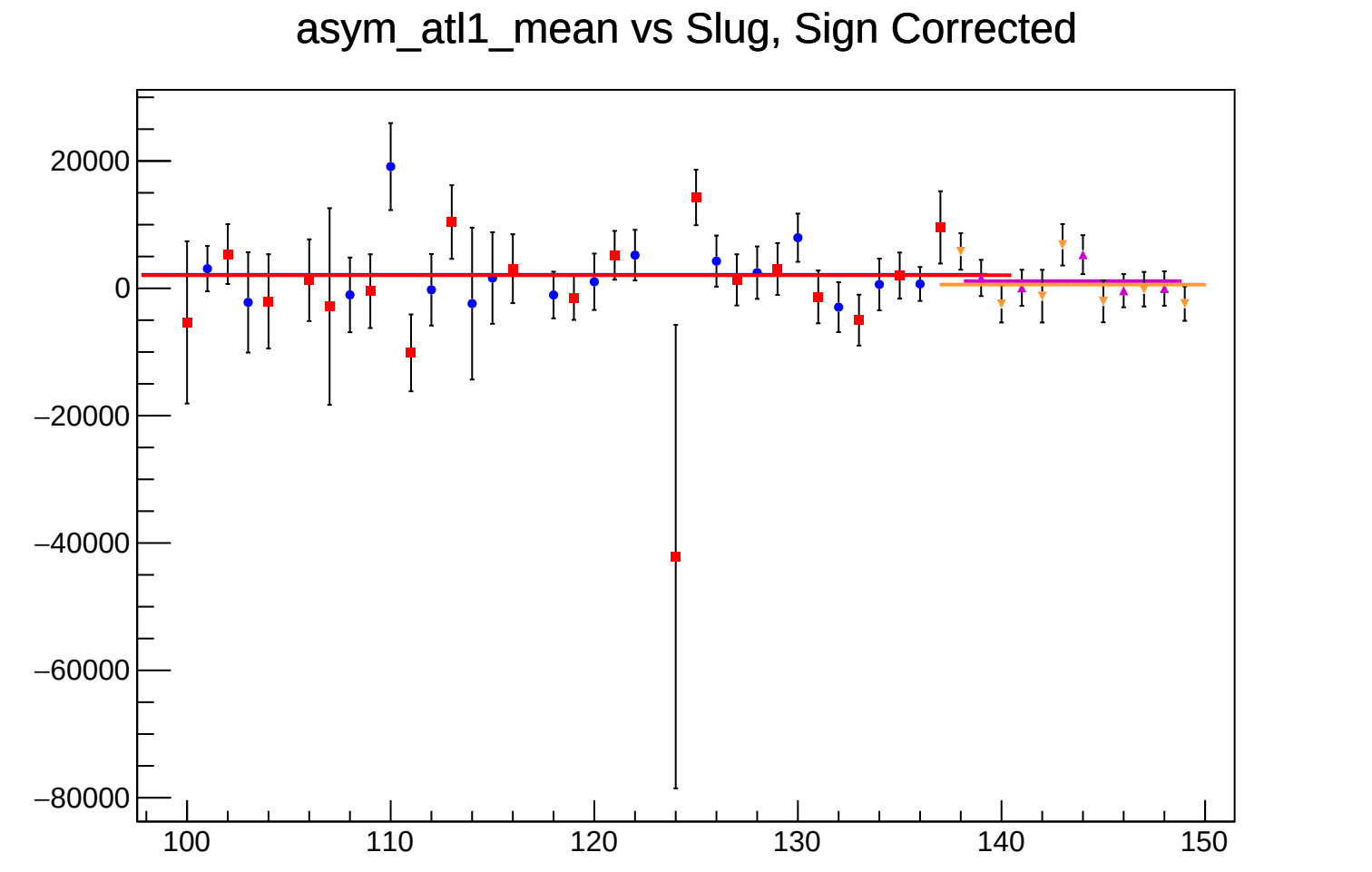
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -17.559+/-296.850 χ^2/NDF:16.6/20

Out: 333.293+/-297.775 χ^2/NDF:25.8/23

All: 157.321+/-210.231 χ^2/NDF: 43.1/44


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: 778.601+/-0.276 χ²/NDF:919943.8/5
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 841.440+/-0.303 χ²/NDF:841359.0/4
Left: 807.151+/-0.204 χ²/NDF: 1784849.7/10
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 943.775+/-0.210 χ²/NDF:2601799.9/20
Out: 922.797+/-0.211 χ²/NDF:4108142.4/23
All: 933.318+/-0.149 χ²/NDF: 6714921.0/44



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 586.805+/-1148.885 χ^2/NDF:10.2/6

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1124.578+/-1251.501 χ^2/NDF:2.5/4

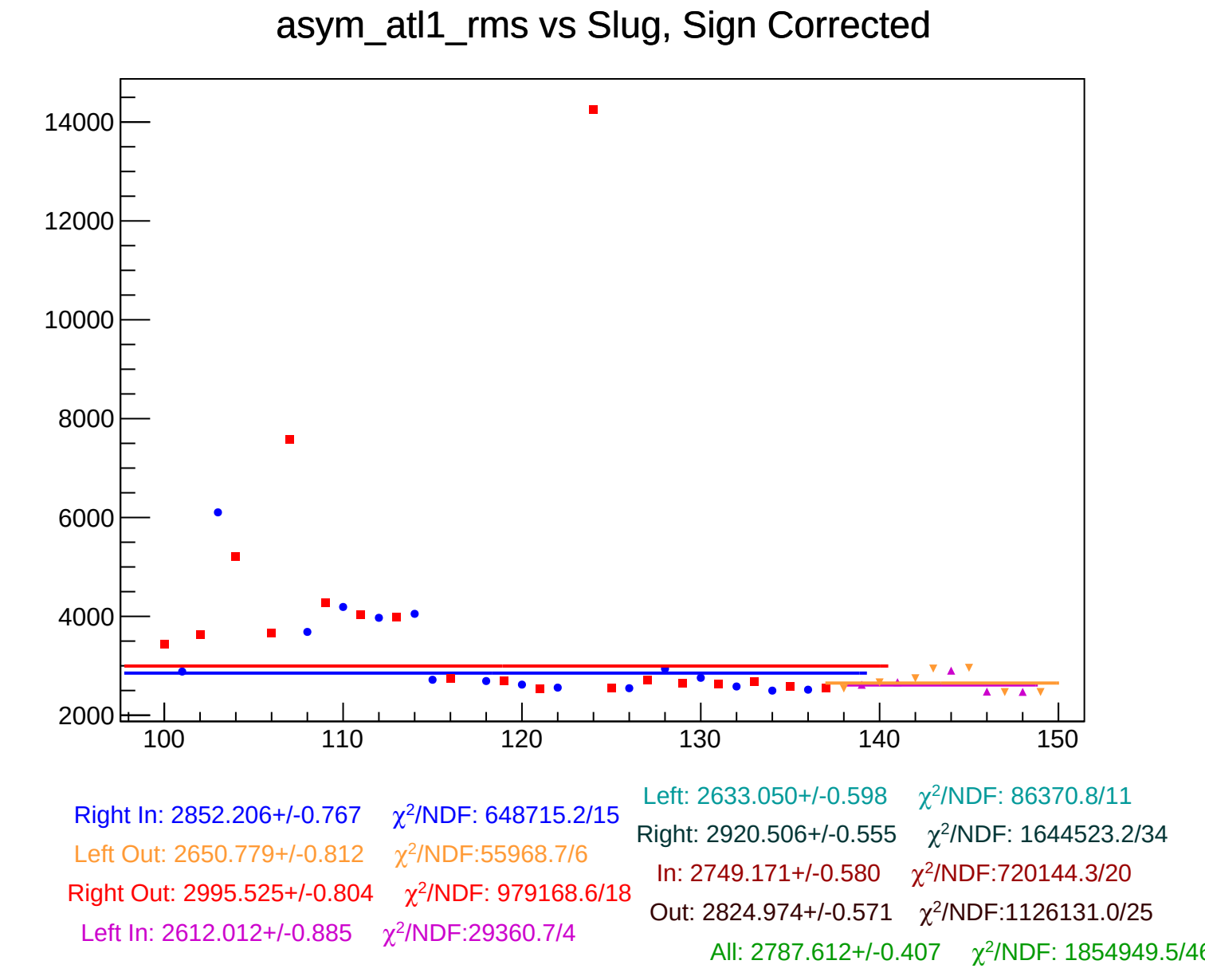
Left: 832.744+/-846.341 χ^2/NDF: 12.8/11

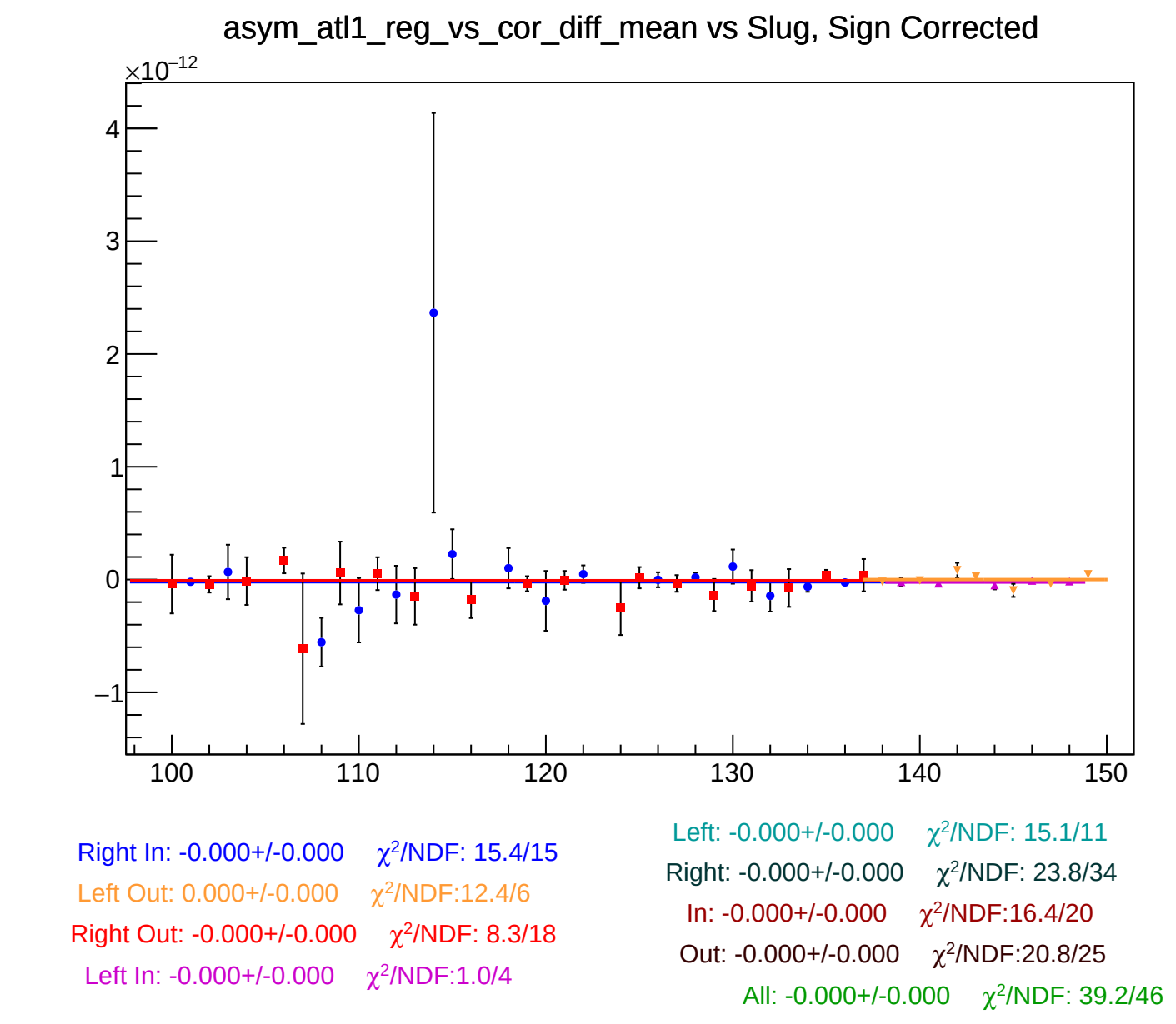
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

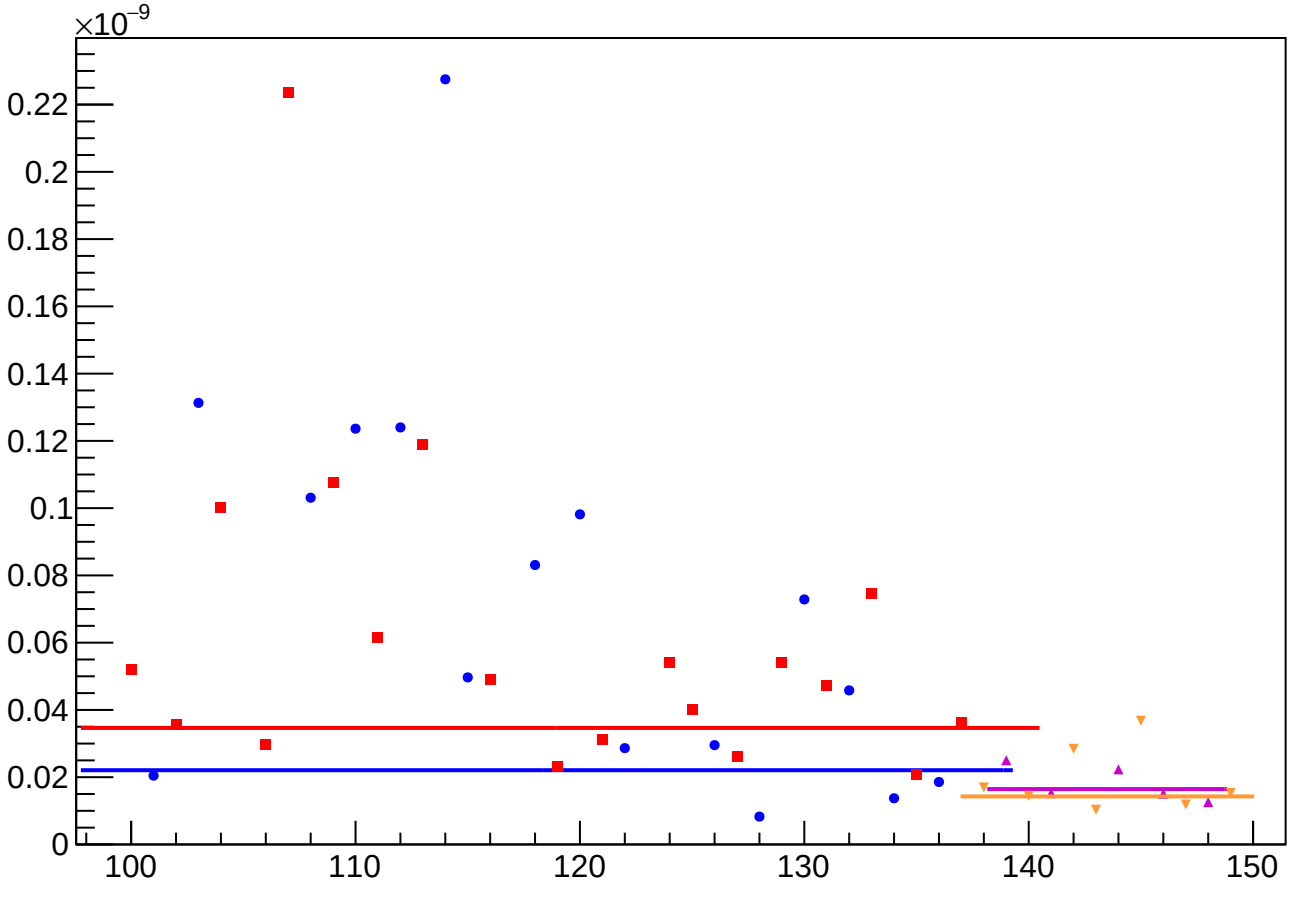
In: 1694.137+/-819.674 χ^2/NDF:16.3/20

Out: 1331.056+/-808.081 χ^2/NDF:35.4/25

All: 1510.011+/-575.454 χ^2/NDF: 51.7/46


asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
Right In: 2852.206+/-0.767 χ²/NDF: 648715.2/15
Left Out: 2650.779+/-0.812 χ²/NDF:55968.7/6
Right Out: 2995.525+/-0.804 χ²/NDF: 979168.6/18
Left In: 2612.012+/-0.885 χ²/NDF:29360.7/4
Left: 2633.050+/-0.598 χ²/NDF: 86370.8/11
Right: 2920.506+/-0.555 χ²/NDF: 1644523.2/34
In: 2749.171+/-0.580 χ²/NDF:720144.3/20
Out: 2824.974+/-0.571 χ²/NDF:1126131.0/25
All: 2787.612+/-0.407 χ²/NDF: 1854949.5/46


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
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:12.4/6
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:1.0/4
Left: -0.000+/-0.000 χ²/NDF: 15.1/11
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:16.4/20
Out: -0.000+/-0.000 χ²/NDF:20.8/25
All: -0.000+/-0.000 χ²/NDF: 39.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:526930.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:214221.5/4

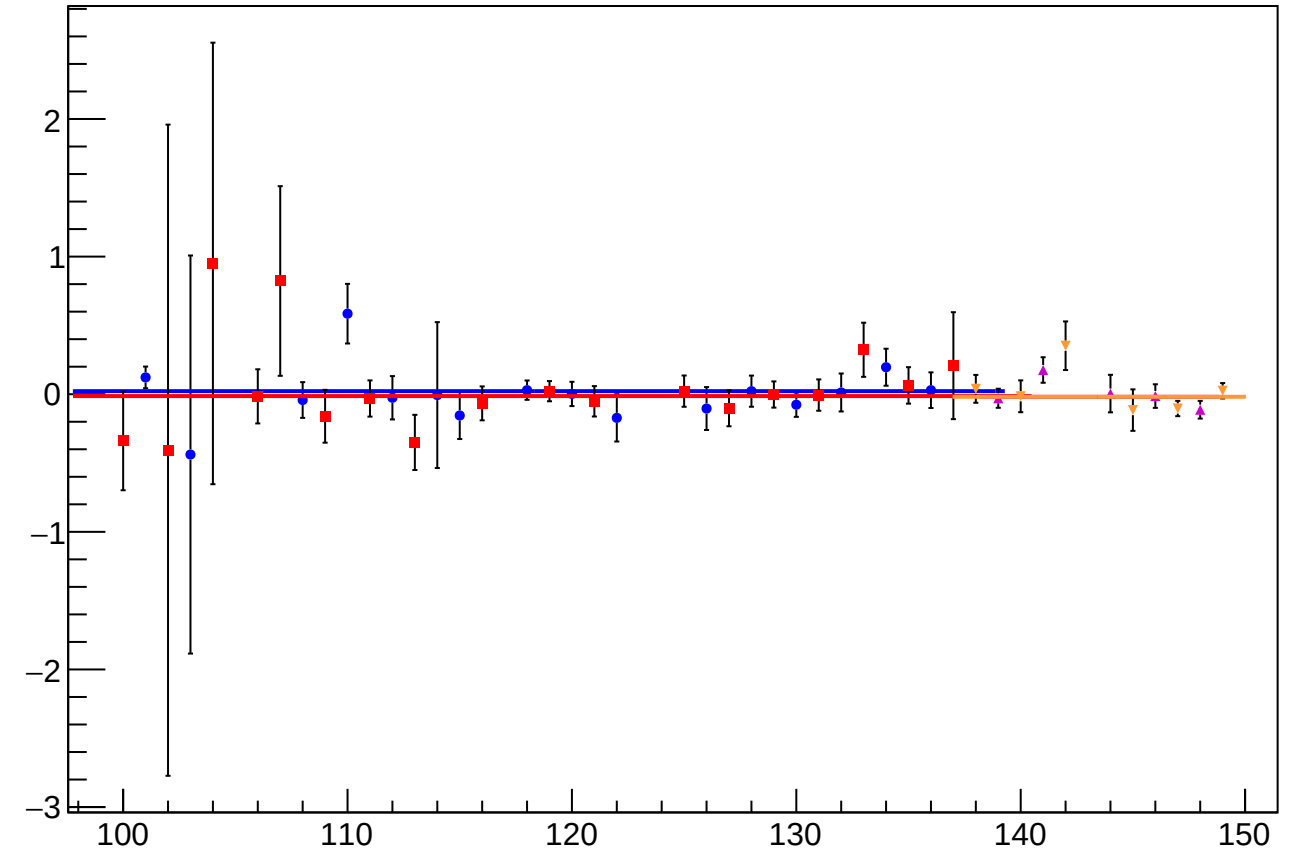
Left: 0.000+/-0.000 χ^2/NDF: 774861.2/11

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:2950219.6/25

All: 0.000+/-0.000 χ^2/NDF: 5656724.2/46



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

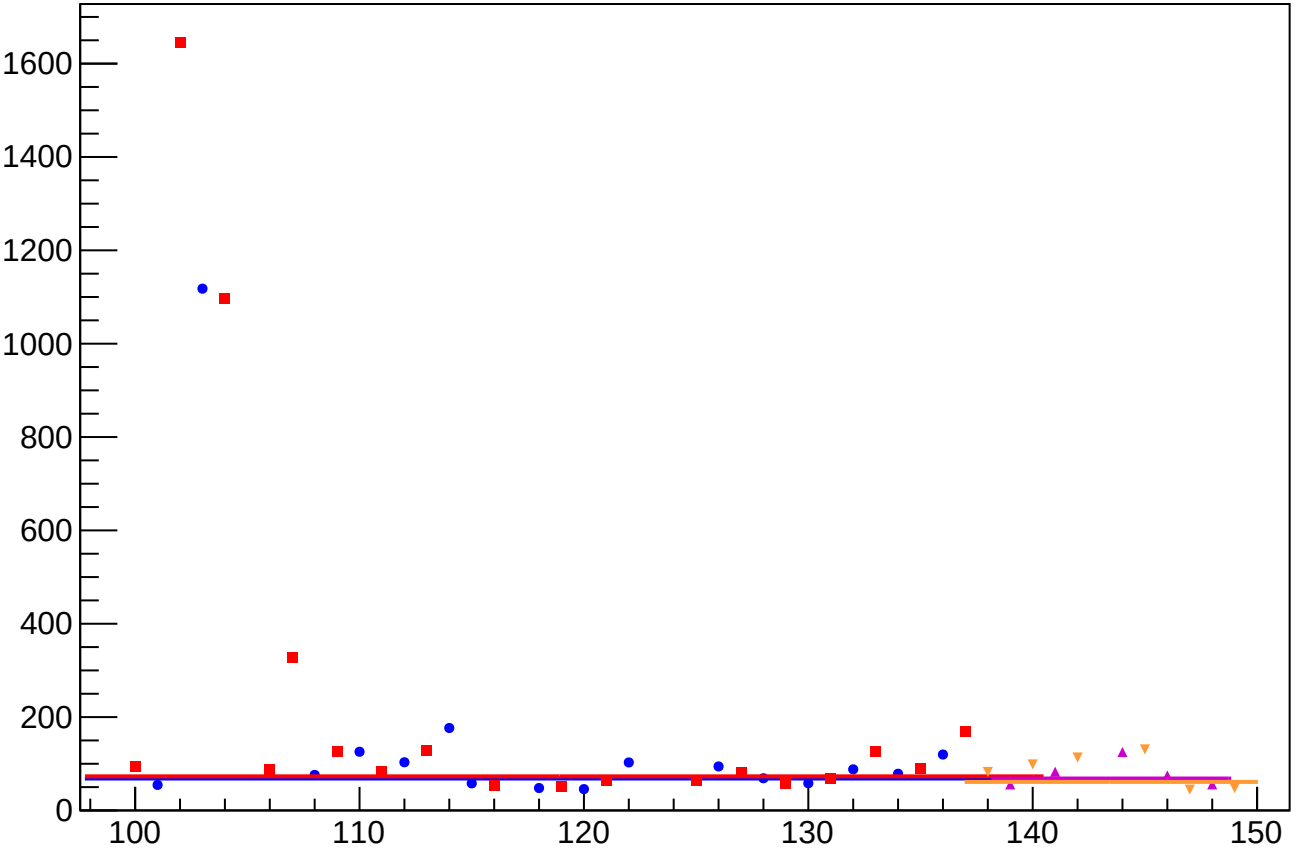
Left: -0.019+/-0.025 χ^2/NDF: 14.7/10

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.016+/-0.024 χ^2/NDF:19.0/23

All: -0.005+/-0.017 χ^2/NDF: 41.5/44



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 61.188+/-0.024 χ^2/NDF:1190910.8/5

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: 64.496+/-0.017 χ^2/NDF: 1783764.3/10

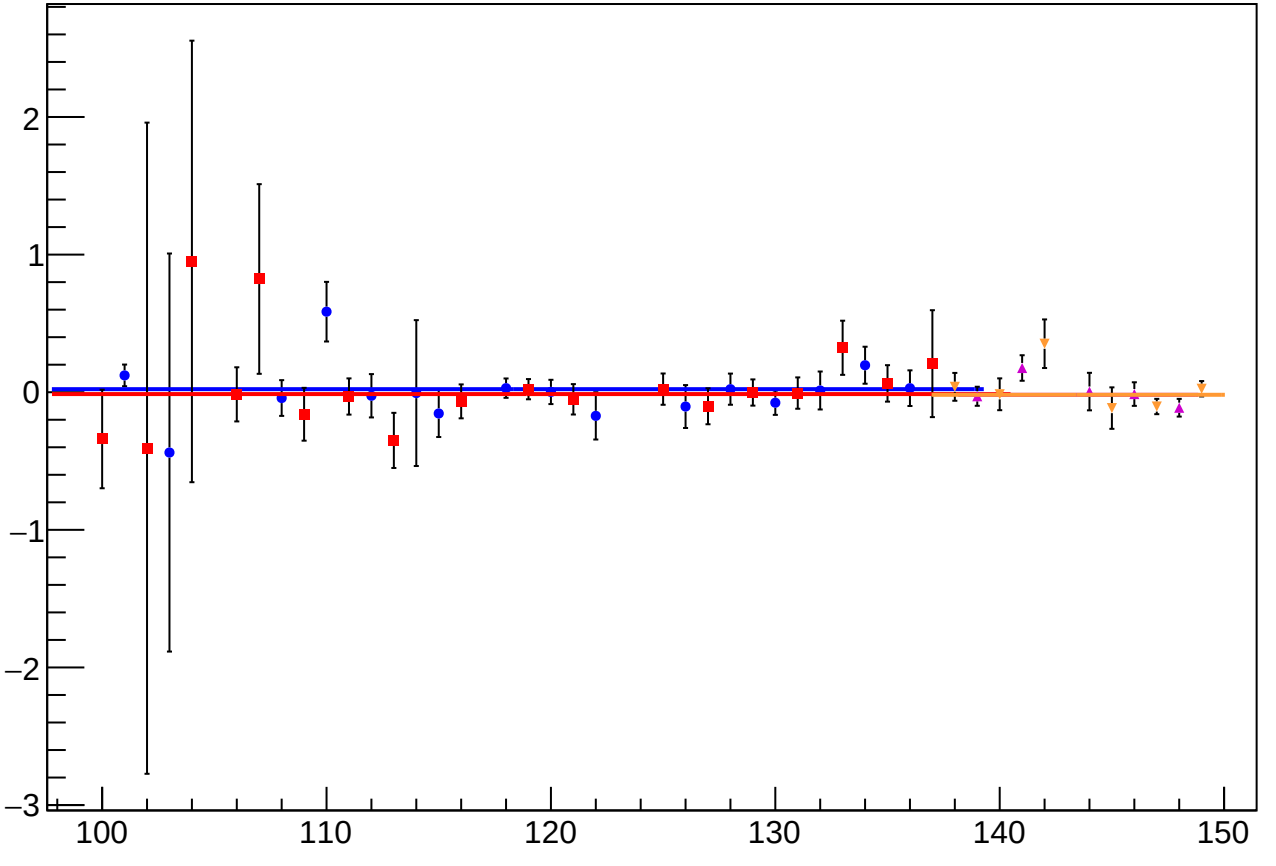
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 68.415+/-0.016 χ^2/NDF:2828469.3/20

Out: 67.134+/-0.017 χ^2/NDF:4229979.5/23

All: 67.787+/-0.012 χ^2/NDF: 7061429.9/44

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

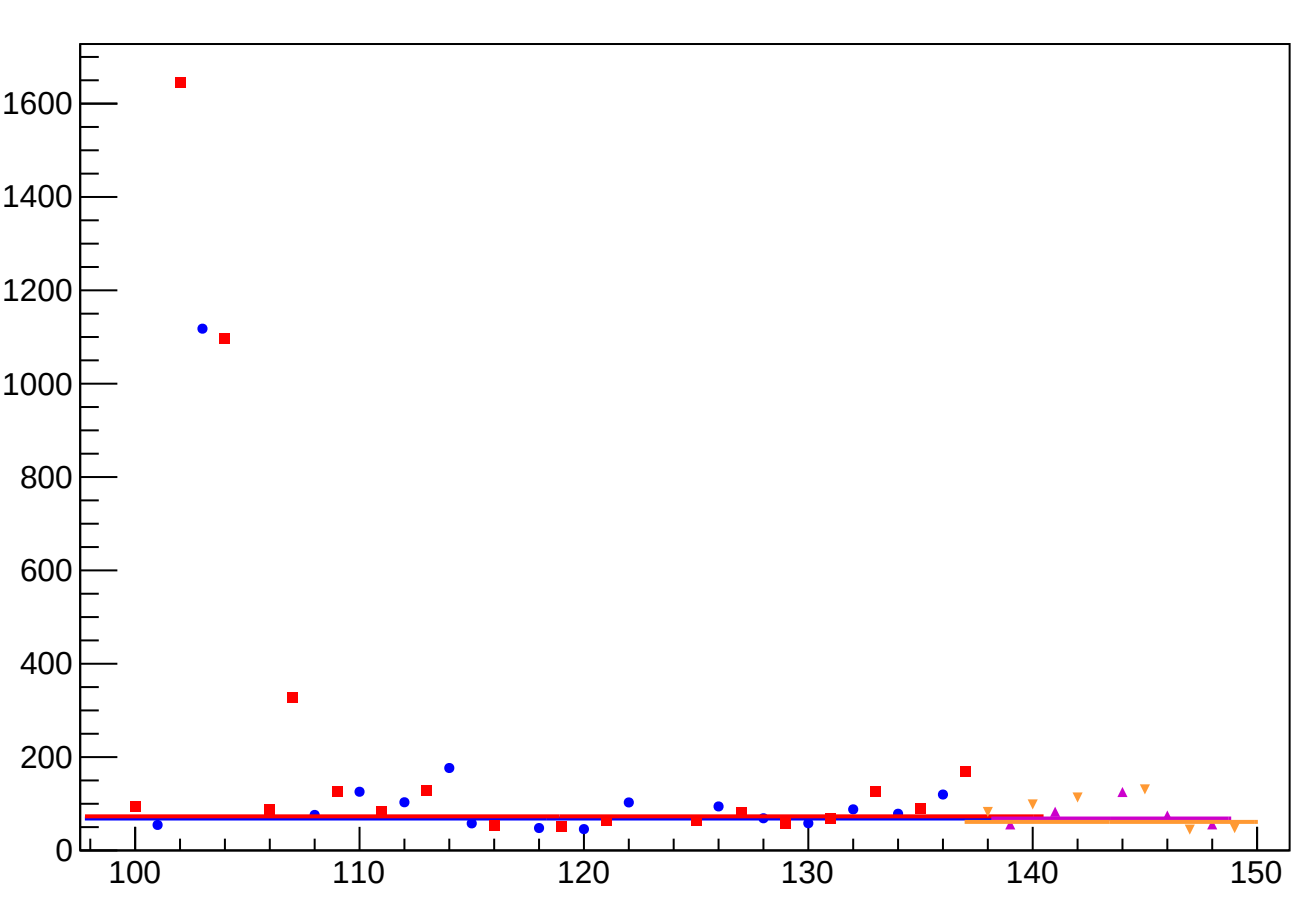
Left: -0.019+/-0.025 χ^2/NDF: 14.7/10

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.016+/-0.024 χ^2/NDF:19.0/23

All: -0.005+/-0.017 χ^2/NDF: 41.5/44



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 61.188+/-0.024 χ^2/NDF:1190910.8/5

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 68.393+/-0.026 χ^2/NDF:550384.2/4

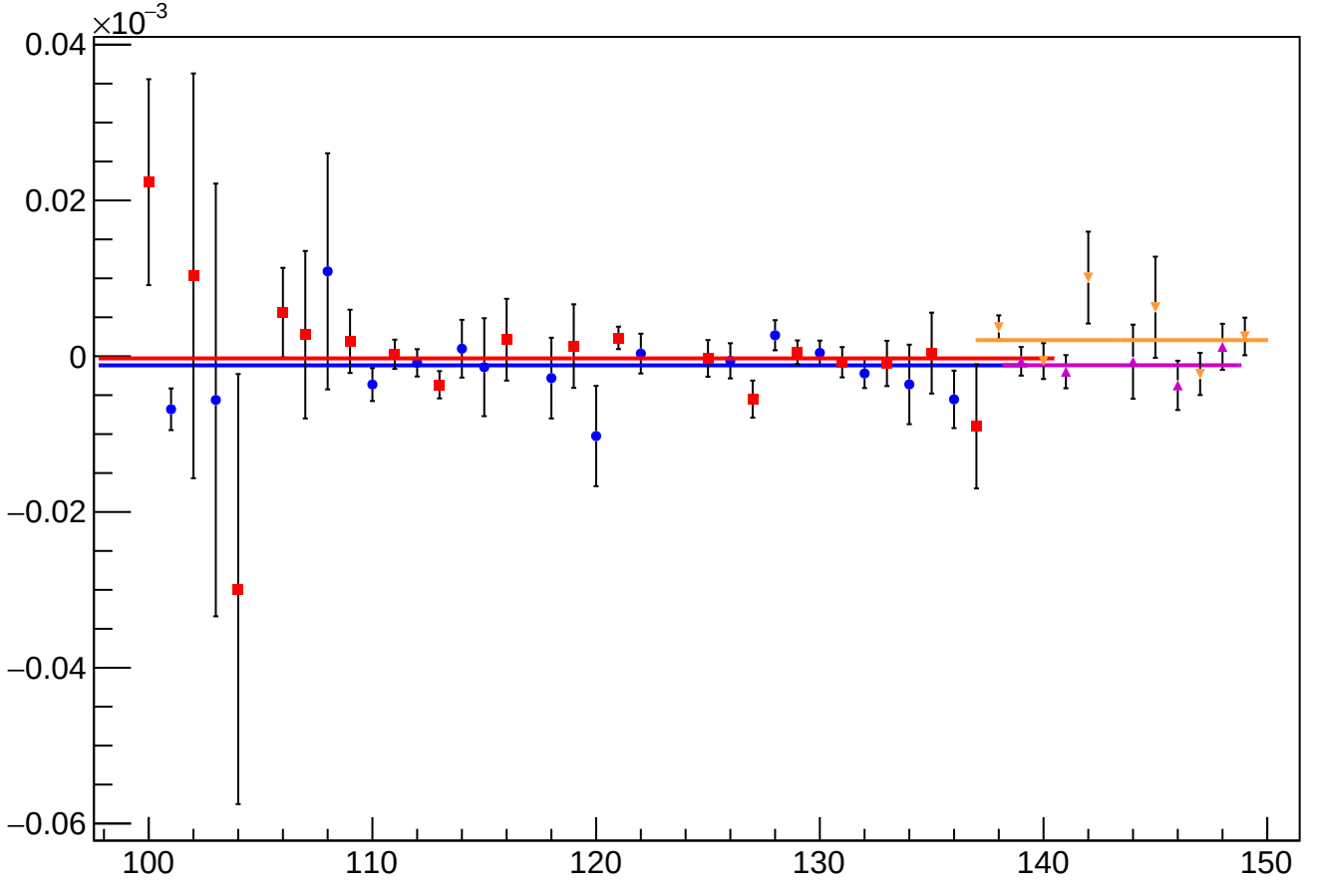
Left: 64.496+/-0.017 χ^2/NDF: 1783764.3/10

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 68.415+/-0.016 χ^2/NDF:2828469.3/20

Out: 67.134+/-0.017 χ^2/NDF:4229979.5/23

All: 67.787+/-0.012 χ^2/NDF: 7061429.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

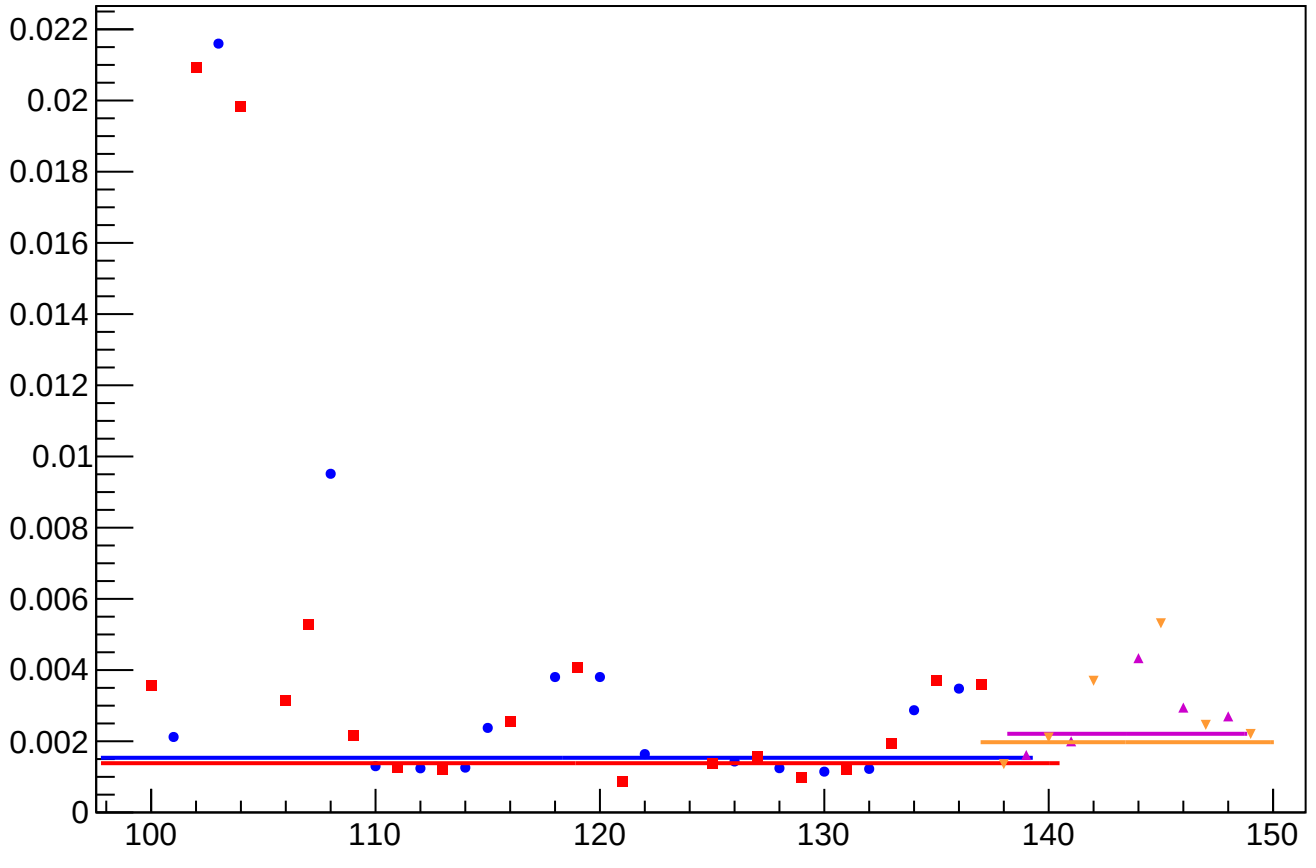
Left: 0.000+/-0.000 χ^2/NDF: 13.4/10

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:30.8/23

All: -0.000+/-0.000 χ^2/NDF: 52.5/44



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1111041.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:792720.0/4

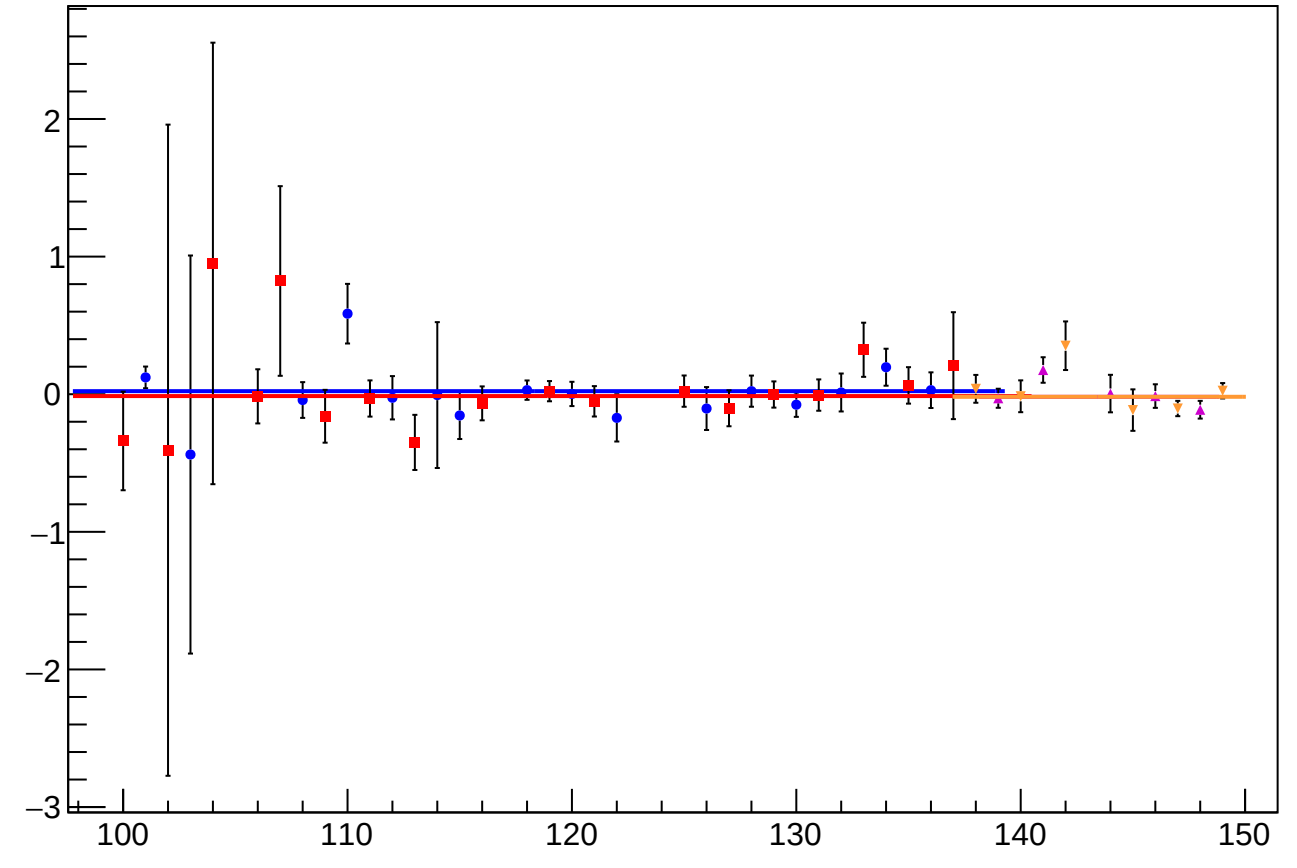
Left: 0.002+/-0.000 χ^2/NDF: 1951901.3/10

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4692070.2/20

Out: 0.002+/-0.000 χ^2/NDF:5866538.4/23

All: 0.002+/-0.000 χ^2/NDF: 10640225.5/44



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.019+/-0.034 χ^2/NDF:8.1/5

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.019+/-0.036 χ^2/NDF:6.6/4

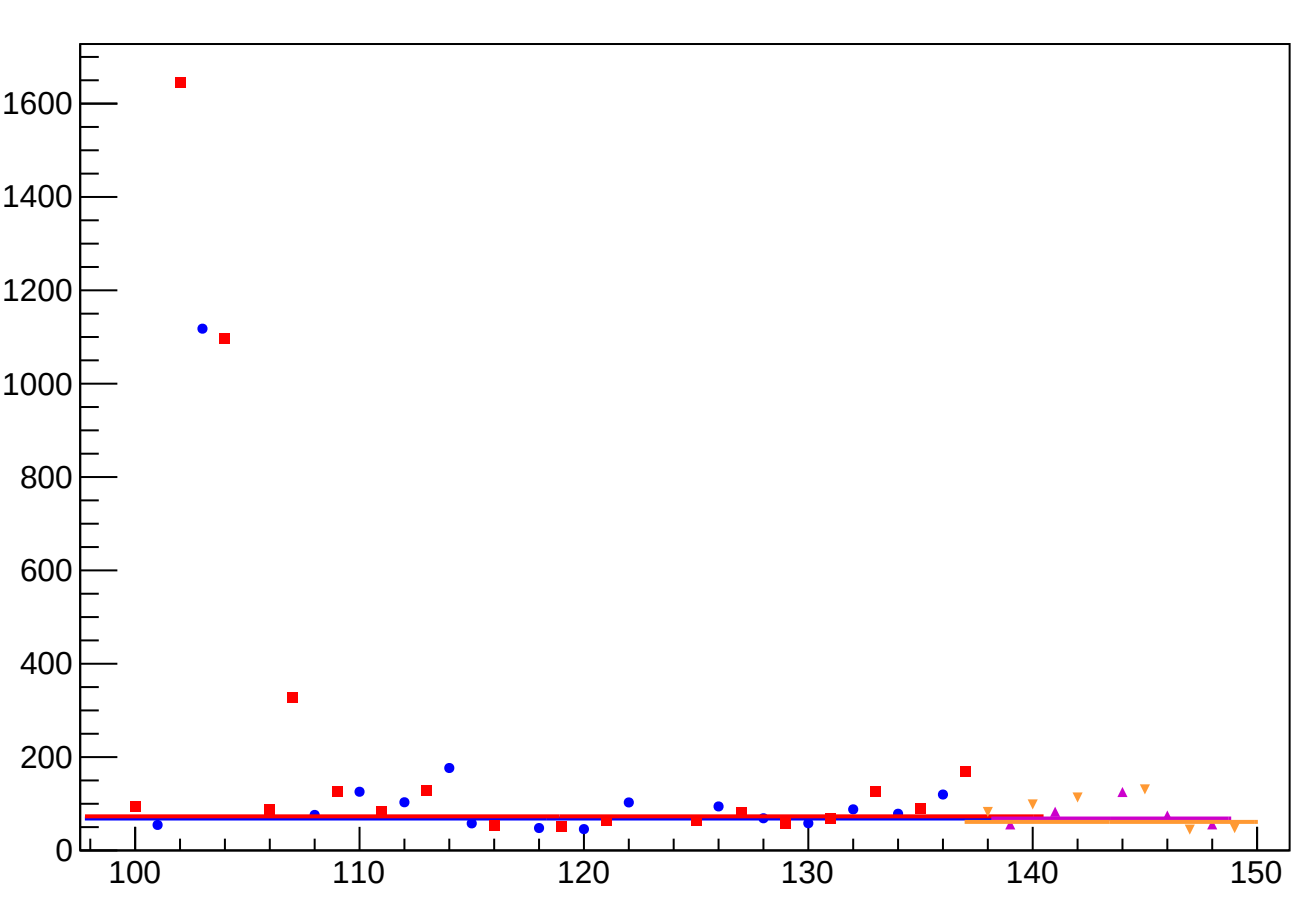
Left: -0.019+/-0.025 χ^2/NDF: 14.7/10

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.016+/-0.024 χ^2/NDF:19.0/23

All: -0.005+/-0.017 χ^2/NDF: 41.5/44



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 61.190+/-0.024 χ^2/NDF:1190821.3/5

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: 64.497+/-0.017 χ^2/NDF: 1783661.6/10

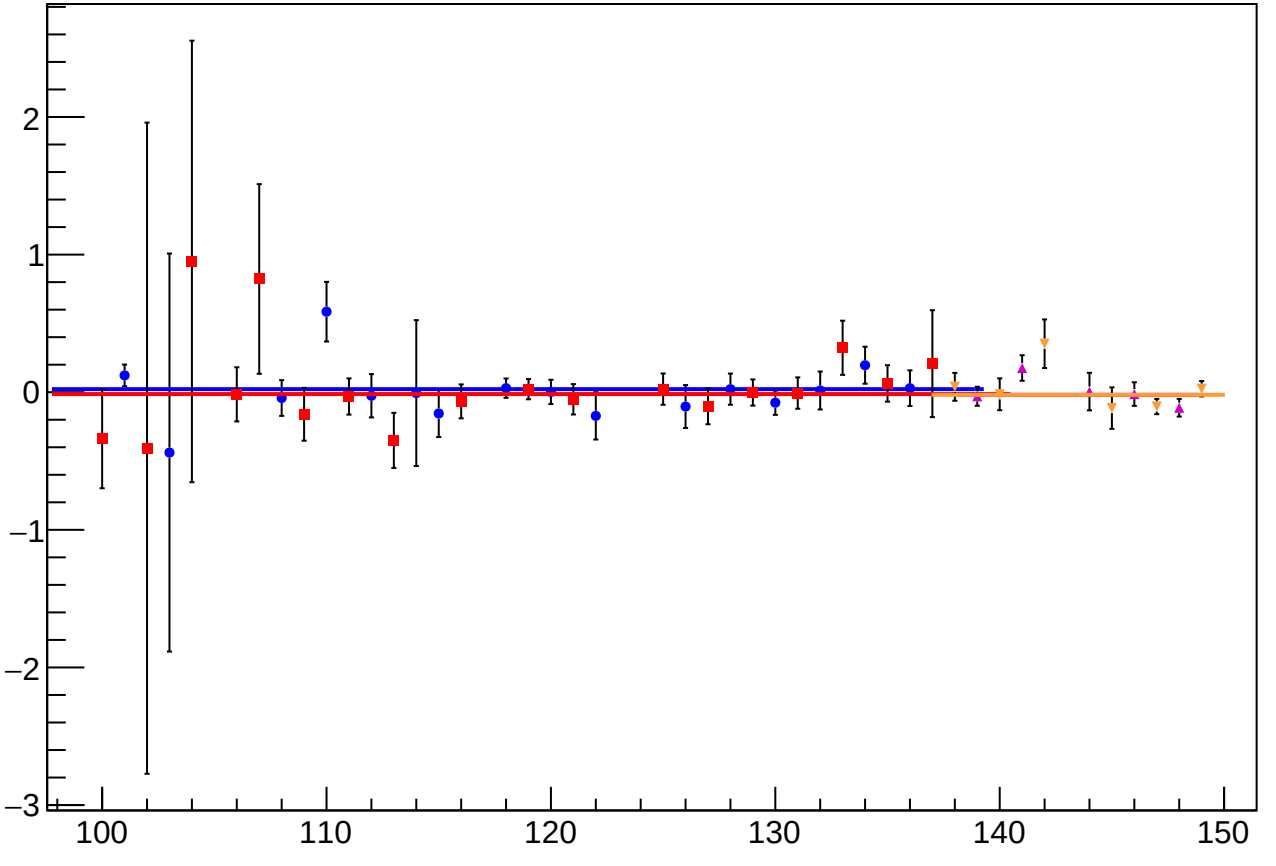
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 68.414+/-0.016 χ^2/NDF:2828561.8/20

Out: 67.135+/-0.017 χ^2/NDF:4229858.9/23

All: 67.787+/-0.012 χ^2/NDF: 7061396.0/44

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: -0.019+/-0.034 χ^2/NDF:8.1/5

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: -0.019+/-0.025 χ^2/NDF: 14.7/10

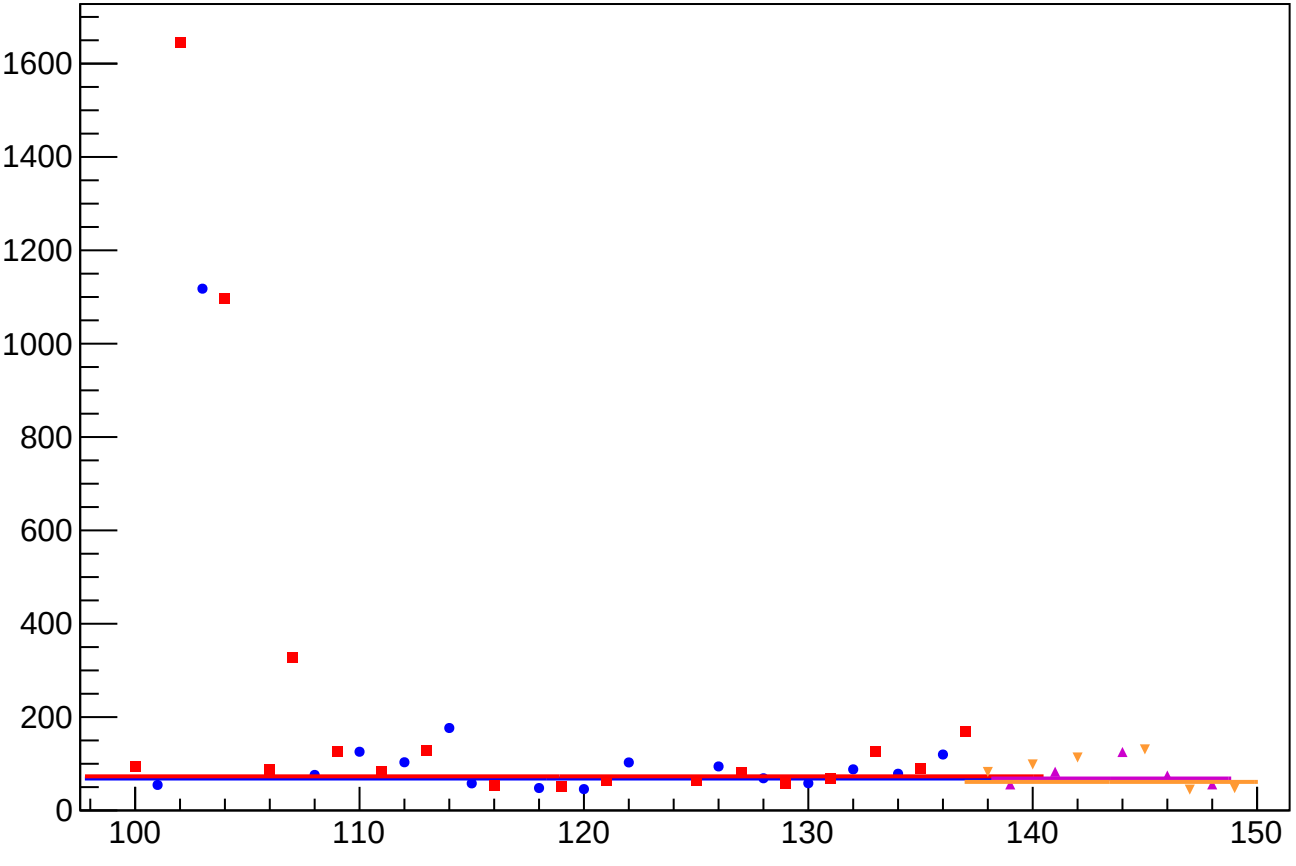
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.023 χ^2/NDF:22.2/20

Out: -0.016+/-0.024 χ^2/NDF:19.0/23

All: -0.005+/-0.017 χ^2/NDF: 41.5/44

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: 61.190+/-0.024 χ^2/NDF:1190821.3/5

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 68.393+/-0.026 χ^2/NDF:550391.7/4

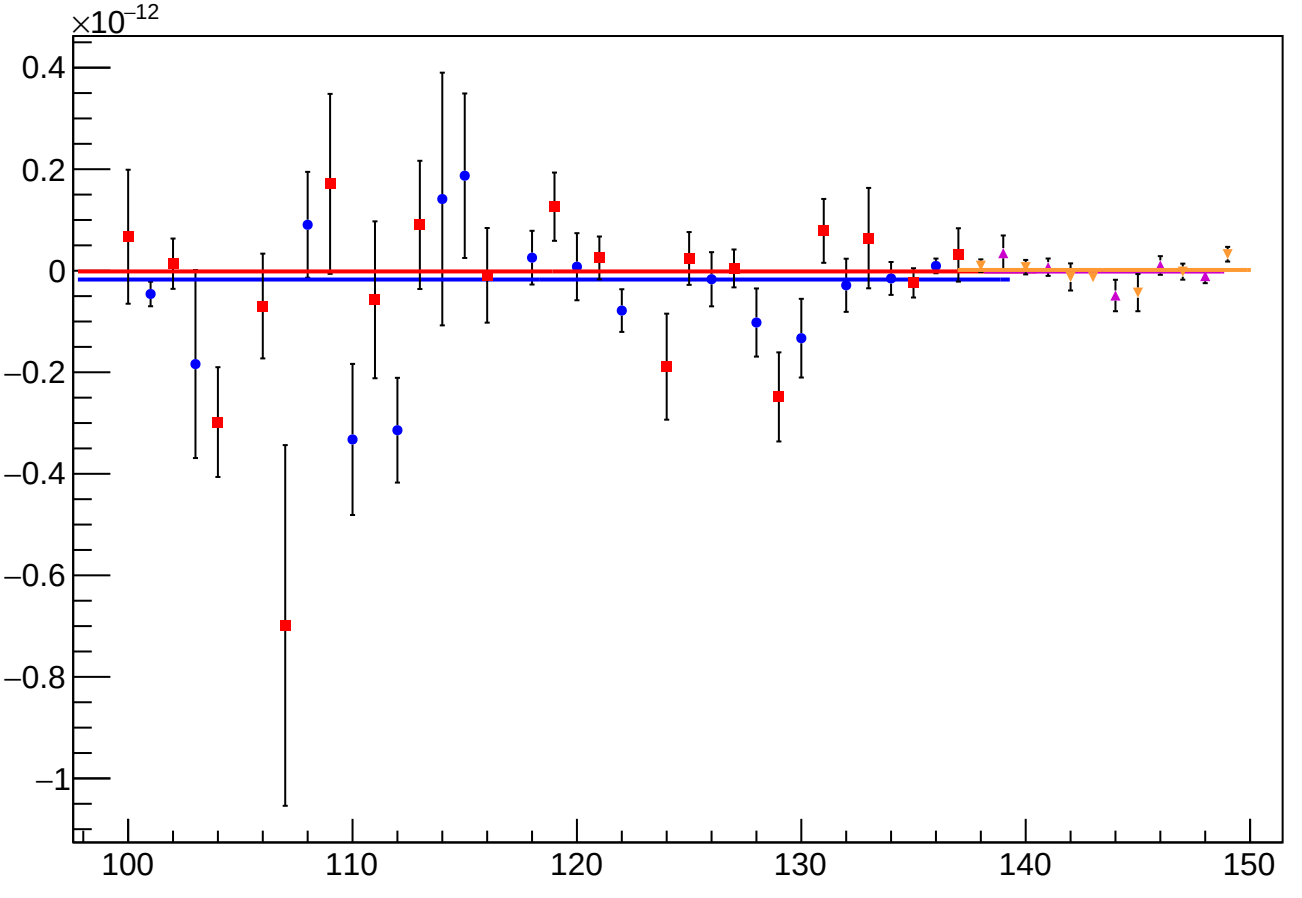
Left: 64.497+/-0.017 χ^2/NDF: 1783661.6/10

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 68.414+/-0.016 χ^2/NDF:2828561.8/20

Out: 67.135+/-0.017 χ^2/NDF:4229858.9/23

All: 67.787+/-0.012 χ^2/NDF: 7061396.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/4

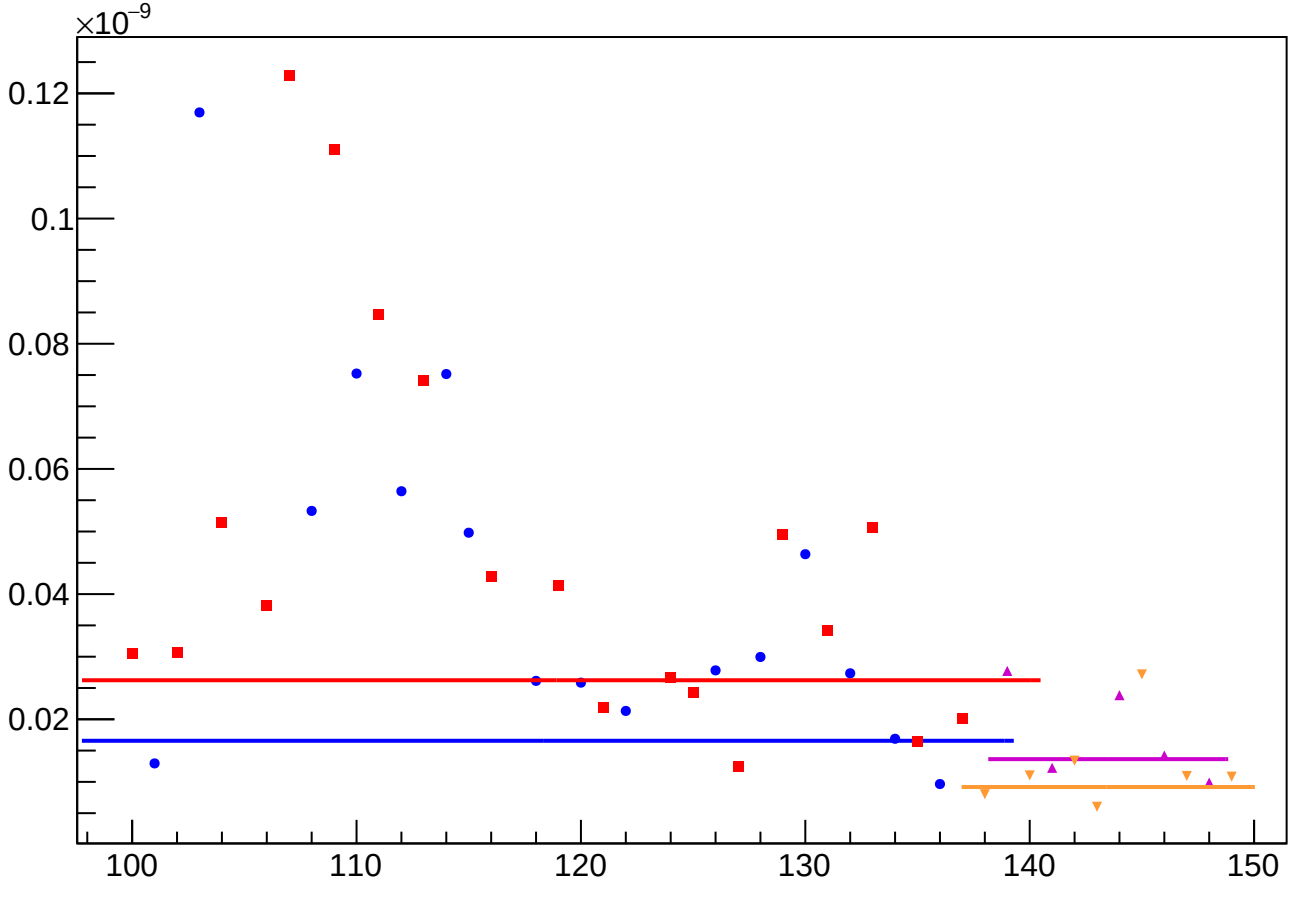
Left: 0.000+/-0.000 χ^2/NDF: 13.9/11

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:41.6/25

All: -0.000+/-0.000 χ^2/NDF: 77.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:863263.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:703551.8/4

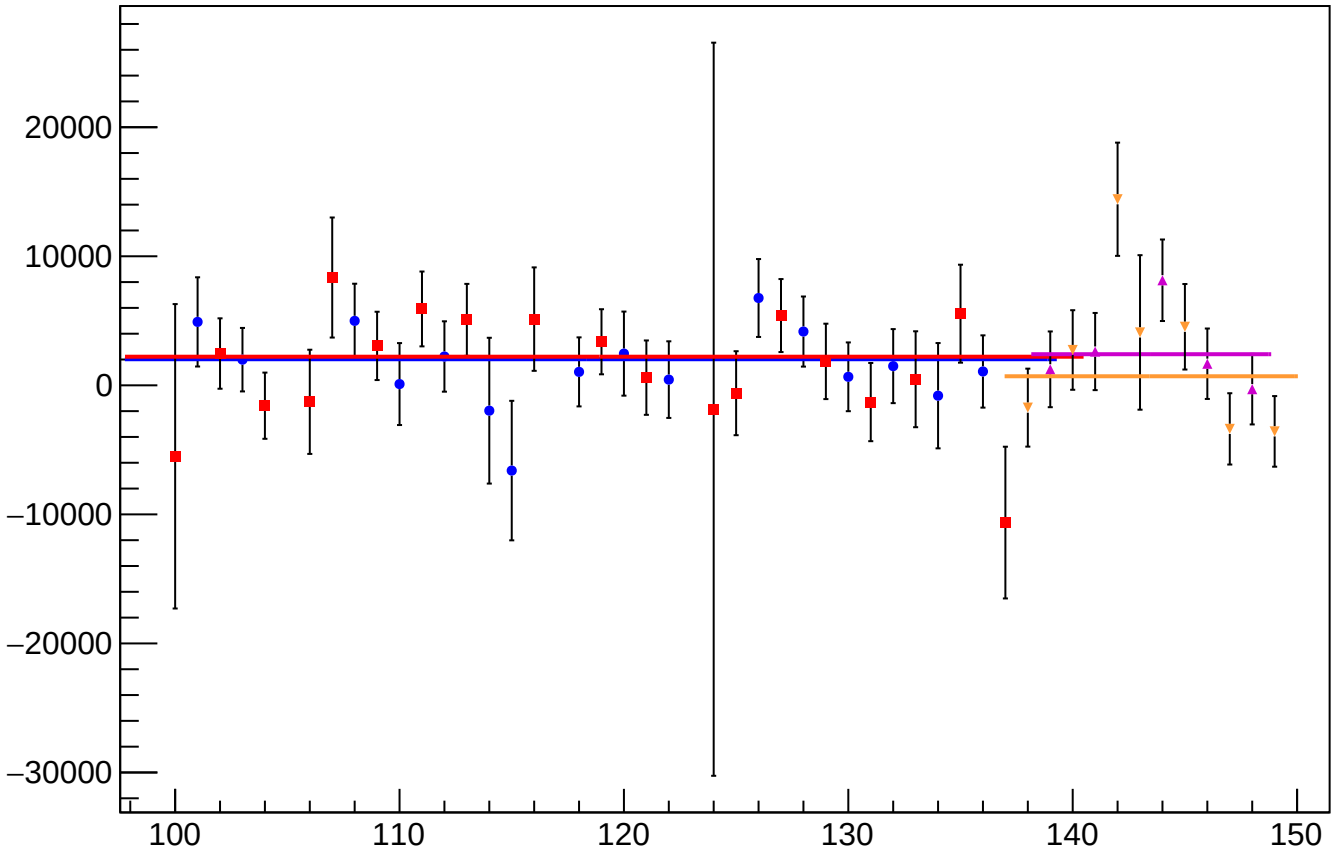
Left: 0.000+/-0.000 χ^2/NDF: 1947151.0/11

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:5707874.7/25

All: 0.000+/-0.000 χ^2/NDF: 9698208.9/46



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 702.148+/-1240.077 χ^2/NDF:17.1/6

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: 1519.427+/-895.671 χ^2/NDF: 22.6/11

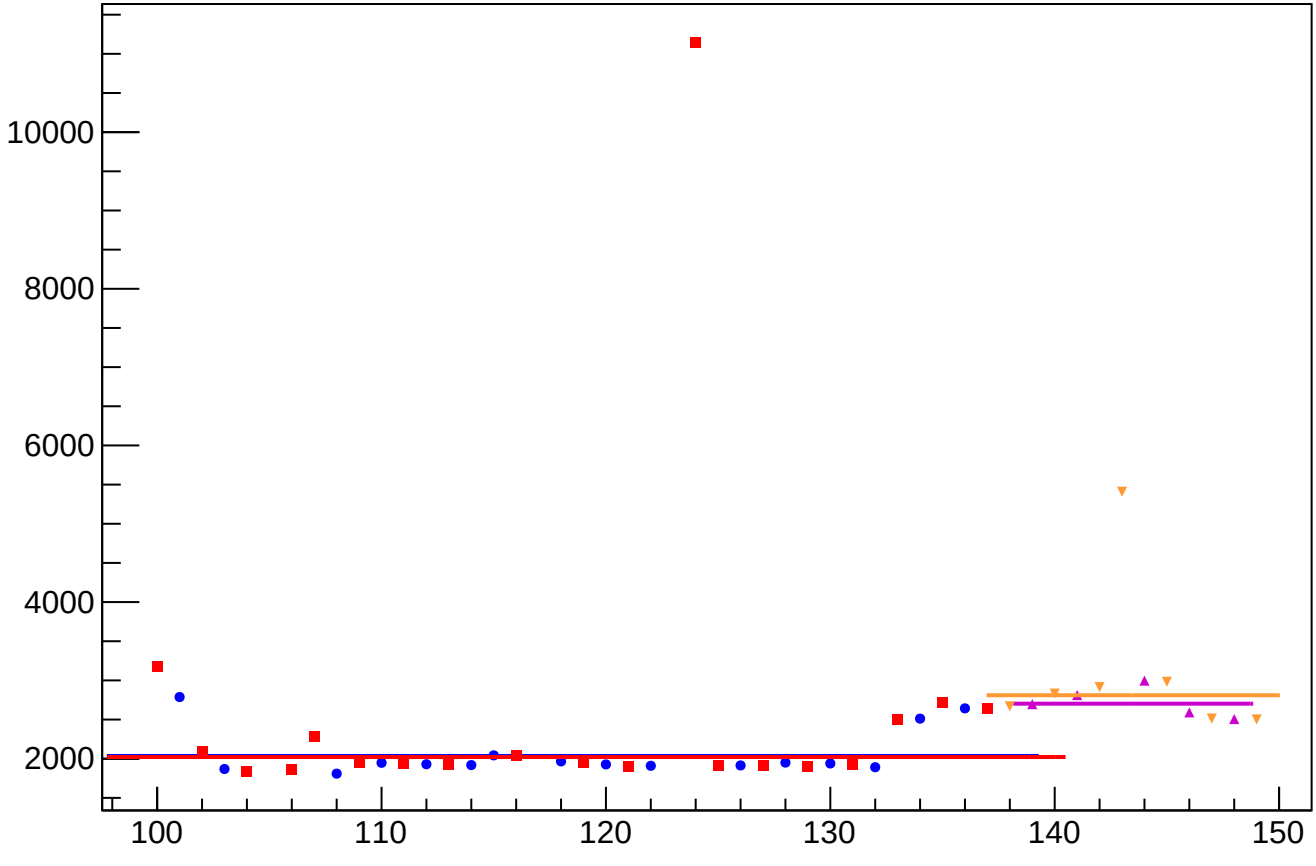
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2122.953+/-658.255 χ^2/NDF:14.2/20

Out: 1806.621+/-645.590 χ^2/NDF:36.4/25

All: 1961.714+/-460.914 χ^2/NDF: 50.7/46

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2810.457+/-0.877 χ^2/NDF:436421.7/6

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

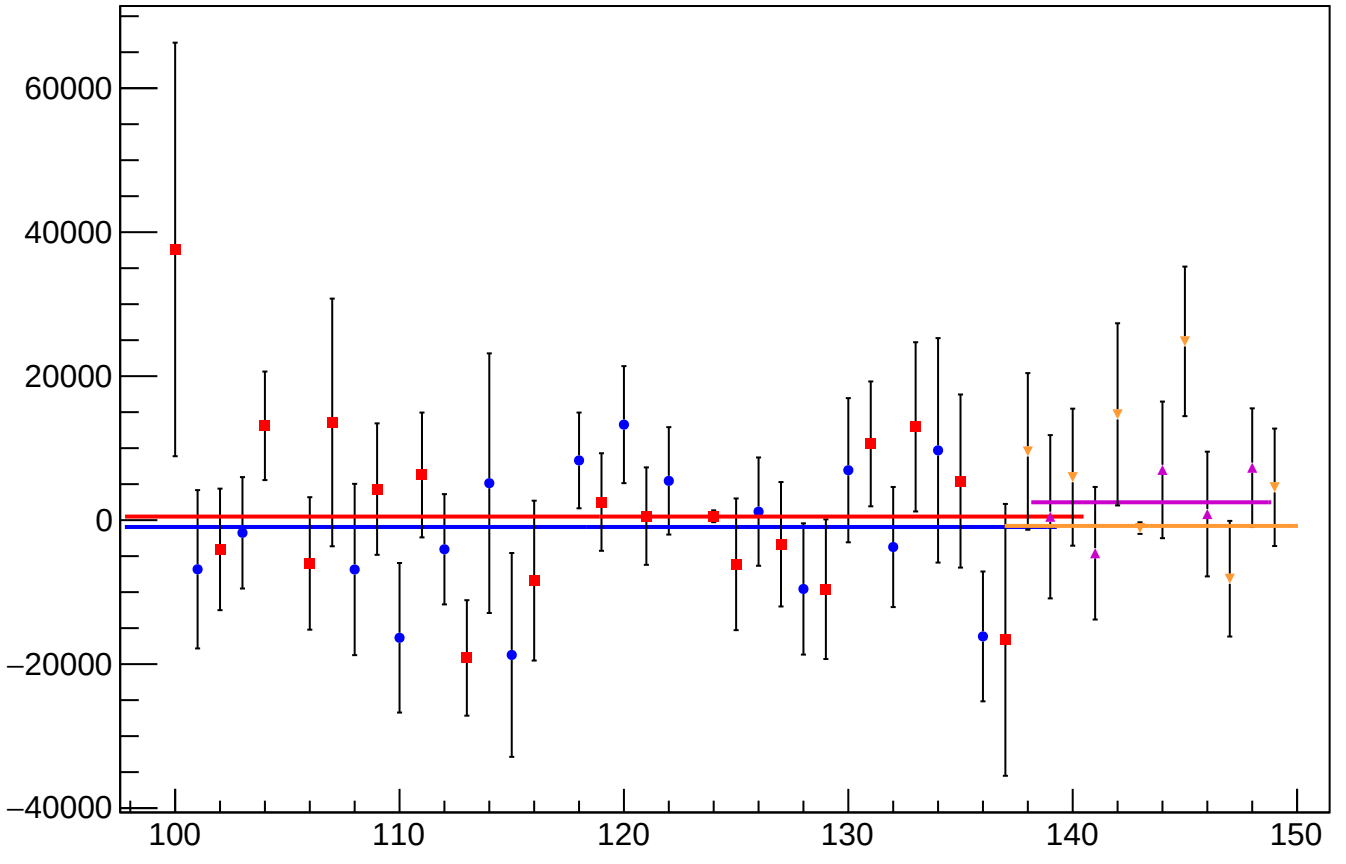
Left: 2758.883+/-0.633 χ^2/NDF: 477340.2/11

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2206.862+/-0.465 χ^2/NDF:691854.2/20

Out: 2235.363+/-0.457 χ^2/NDF:1416809.0/25

All: 2221.390+/-0.326 χ^2/NDF: 2110574.3/46



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -801.352+/-790.454 χ^2/NDF:10.4/6

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 2479.482+/-4127.034 χ^2/NDF:1.2/4

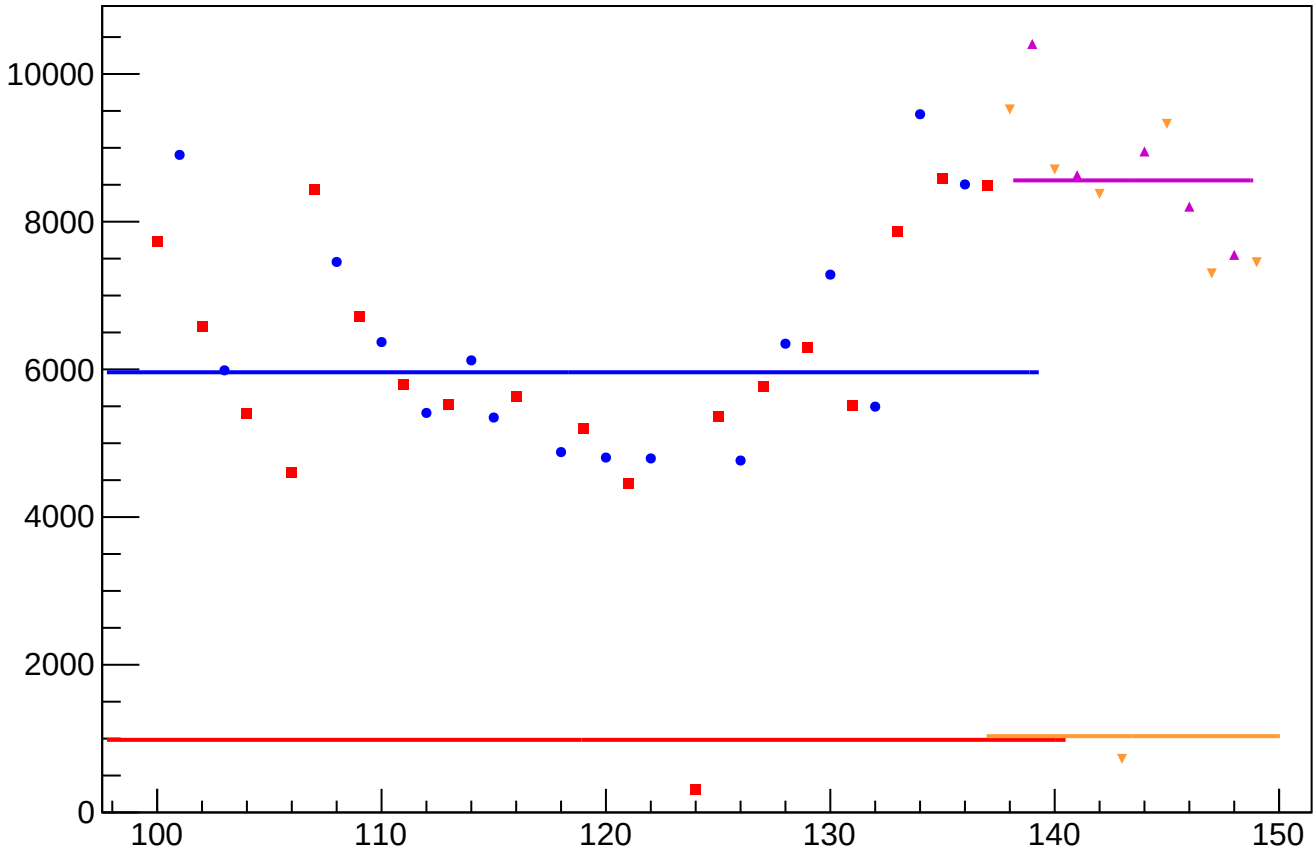
Left: -685.257+/-776.342 χ^2/NDF: 12.2/11

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -149.247+/-1994.715 χ^2/NDF:17.1/20

Out: -133.538+/-550.931 χ^2/NDF:30.3/25

All: -134.651+/-531.048 χ^2/NDF: 47.3/46



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1032.952+/-0.559 χ^2/NDF:7212286.4/6

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: 1299.271+/-0.549 χ^2/NDF: 13718006.3/11

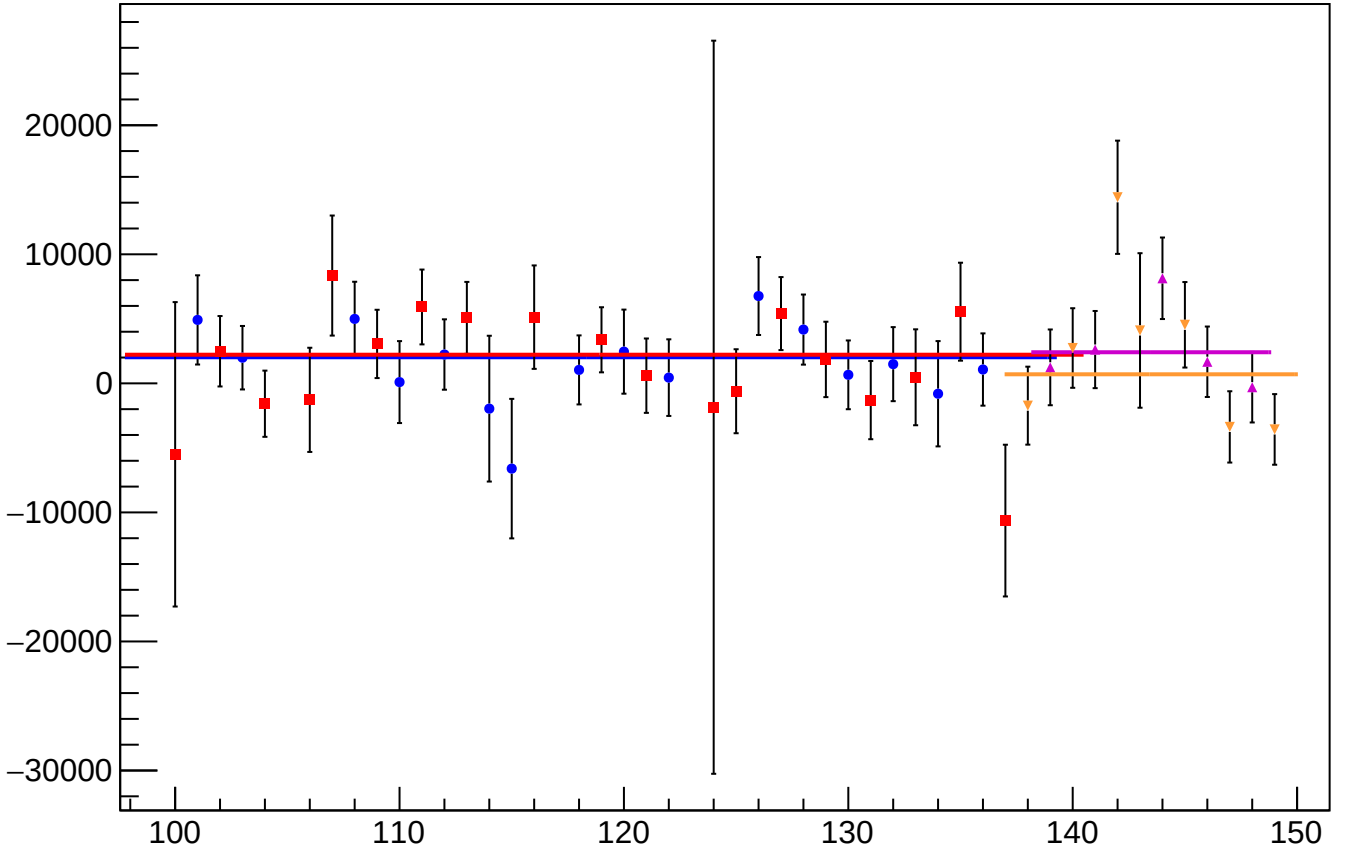
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6567.781+/-1.410 χ^2/NDF:1386713.6/20

Out: 1007.428+/-0.390 χ^2/NDF:18633031.4/25

All: 1401.530+/-0.376 χ^2/NDF: 34459043.5/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 702.264+/-1240.077 χ^2/NDF:17.1/6

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: 1519.516+/-895.671 χ^2/NDF: 22.6/11

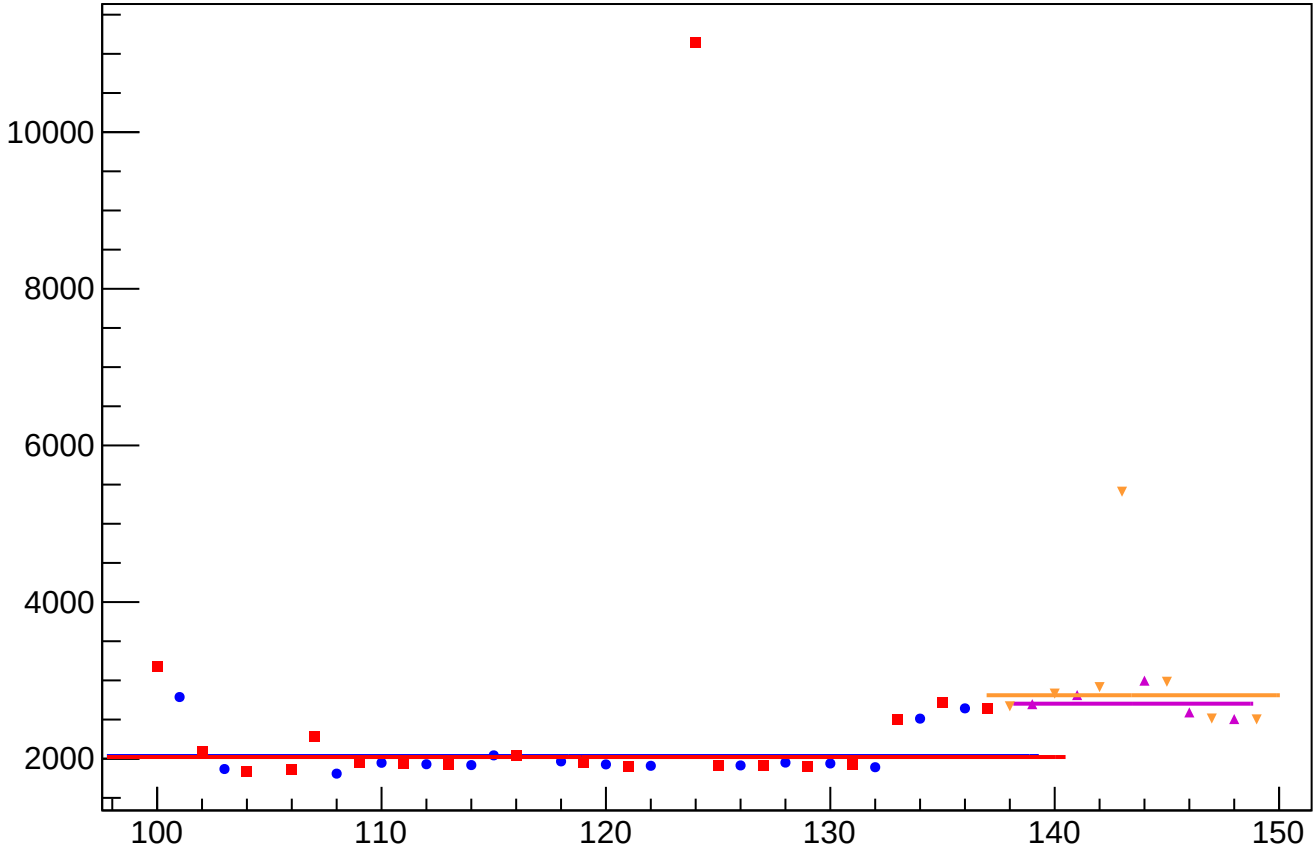
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2123.062+/-658.255 χ^2/NDF:14.2/20

Out: 1807.986+/-645.595 χ^2/NDF:36.4/25

All: 1962.465+/-460.915 χ^2/NDF: 50.7/46

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2810.457+/-0.877 χ^2/NDF:436421.7/6

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

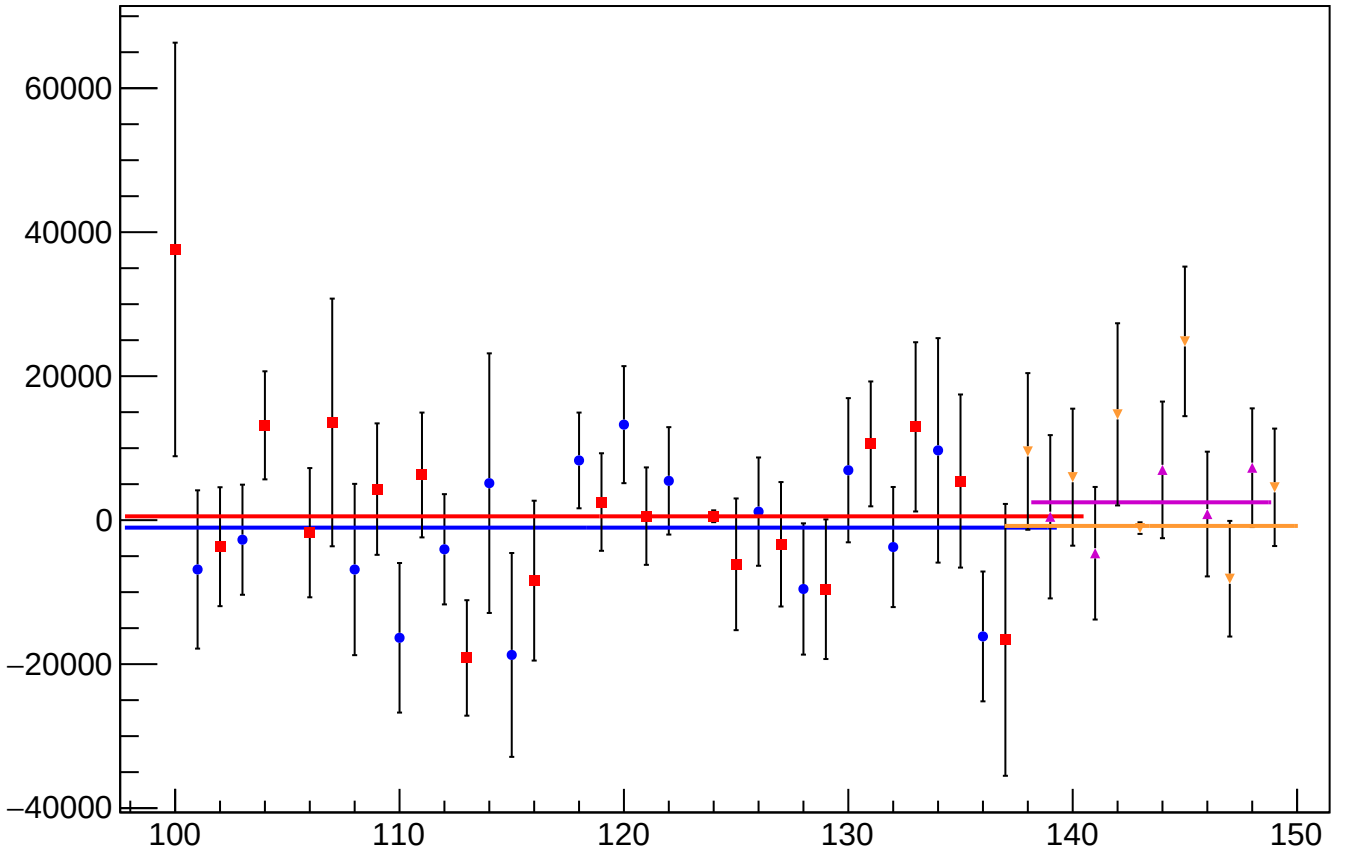
Left: 2758.883+/-0.633 χ^2/NDF: 477340.2/11

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2206.862+/-0.465 χ^2/NDF:691854.2/20

Out: 2235.382+/-0.457 χ^2/NDF:1416785.3/25

All: 2221.399+/-0.326 χ^2/NDF: 2110553.1/46



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -801.156+/-790.380 χ^2/NDF:10.4/6

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2479.458+/-4127.030 χ^2/NDF:1.2/4

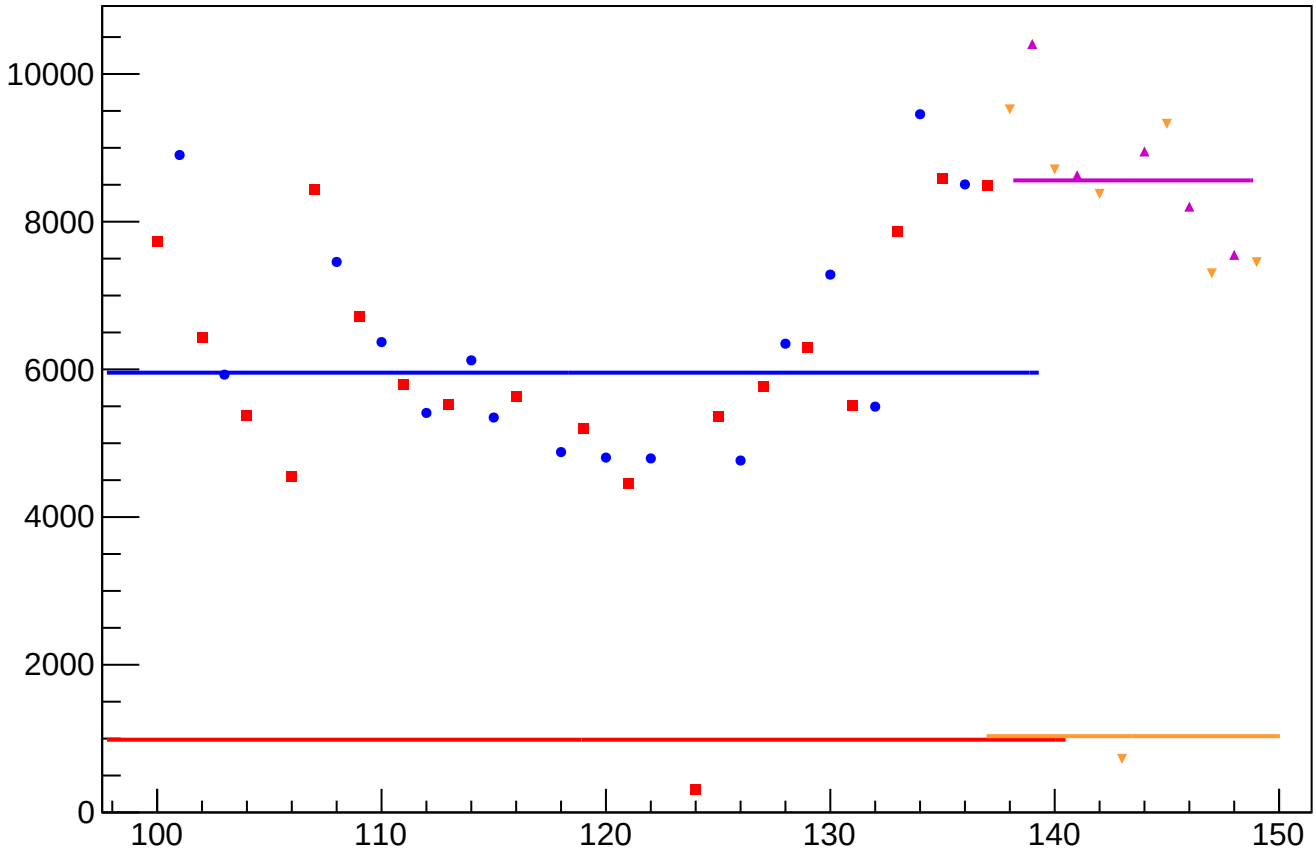
Left: -685.090+/-776.272 χ^2/NDF: 12.2/11

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -217.552+/-1993.137 χ^2/NDF:17.2/20

Out: -116.079+/-550.781 χ^2/NDF:29.9/25

All: -123.278+/-530.883 χ^2/NDF: 47.1/46



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1032.829+/-0.559 χ^2/NDF:7212471.3/6

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8559.087+/-2.918 χ^2/NDF:89896.3/4

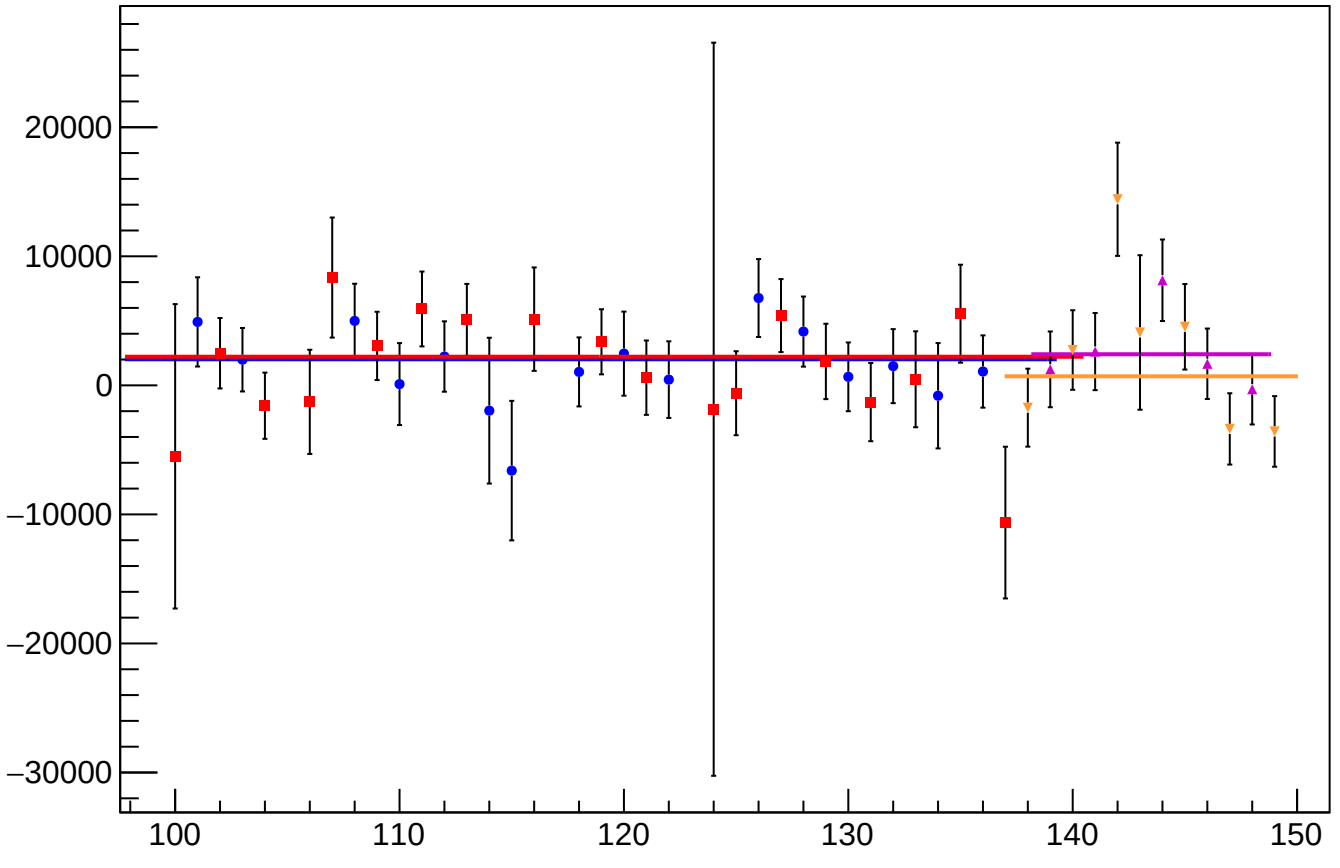
Left: 1299.105+/-0.549 χ^2/NDF: 13718441.3/11

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6562.861+/-1.409 χ^2/NDF:1389295.7/20

Out: 1008.249+/-0.389 χ^2/NDF:18629074.7/25

All: 1402.323+/-0.375 χ^2/NDF: 34449639.7/4



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 702.264+/-1240.077 χ^2/NDF:17.1/6

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: 1519.516+/-895.671 χ^2/NDF: 22.6/11

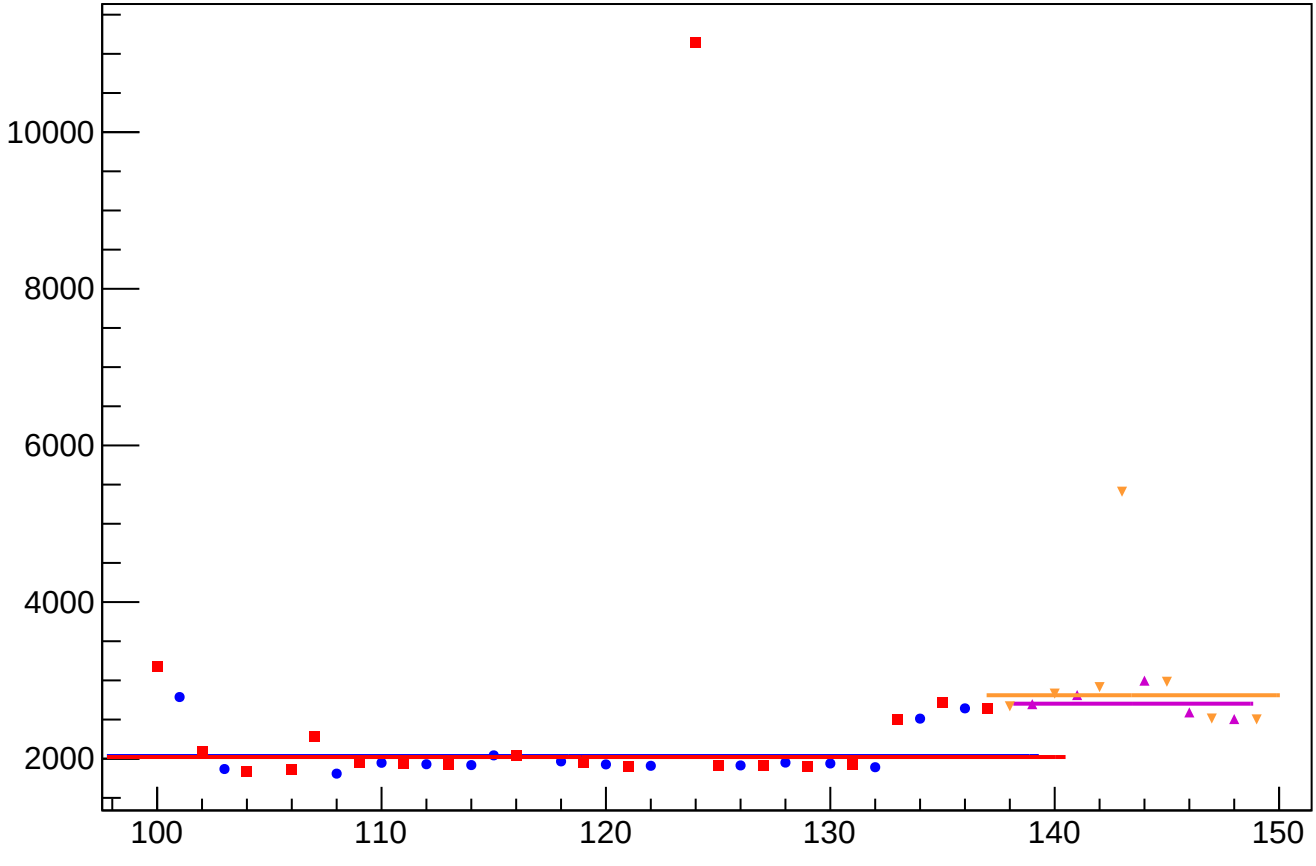
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2123.062+/-658.255 χ^2/NDF:14.2/20

Out: 1807.986+/-645.595 χ^2/NDF:36.4/25

All: 1962.465+/-460.915 χ^2/NDF: 50.7/46

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2810.457+/-0.877 χ^2/NDF:436421.7/6

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2702.635+/-0.916 χ^2/NDF:33686.3/4

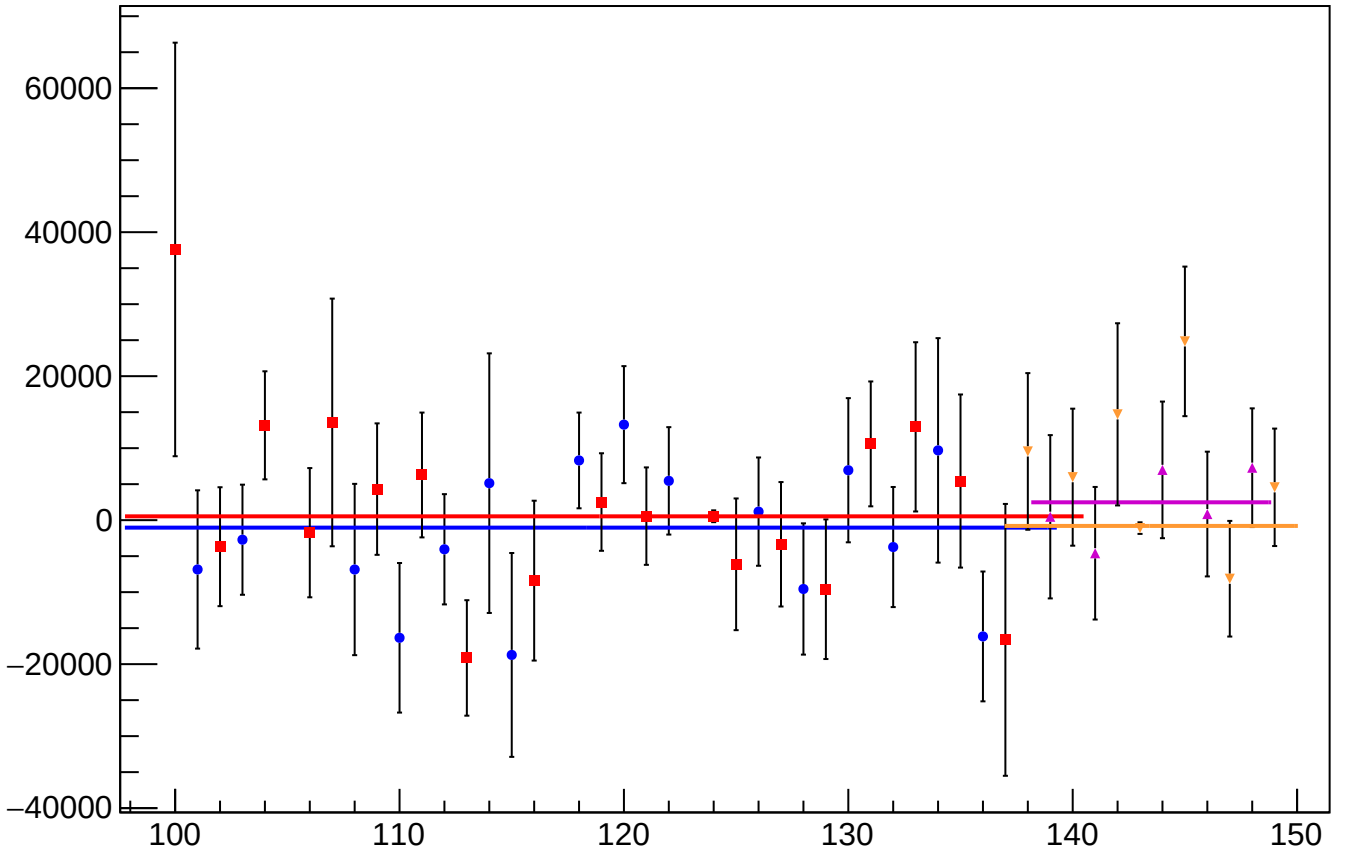
Left: 2758.883+/-0.633 χ^2/NDF: 477340.2/11

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2206.862+/-0.465 χ^2/NDF:691854.2/20

Out: 2235.382+/-0.457 χ^2/NDF:1416785.3/25

All: 2221.399+/-0.326 χ^2/NDF: 2110553.1/46



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -801.156+/-790.380 χ^2/NDF:10.4/6

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2479.458+/-4127.030 χ^2/NDF:1.2/4

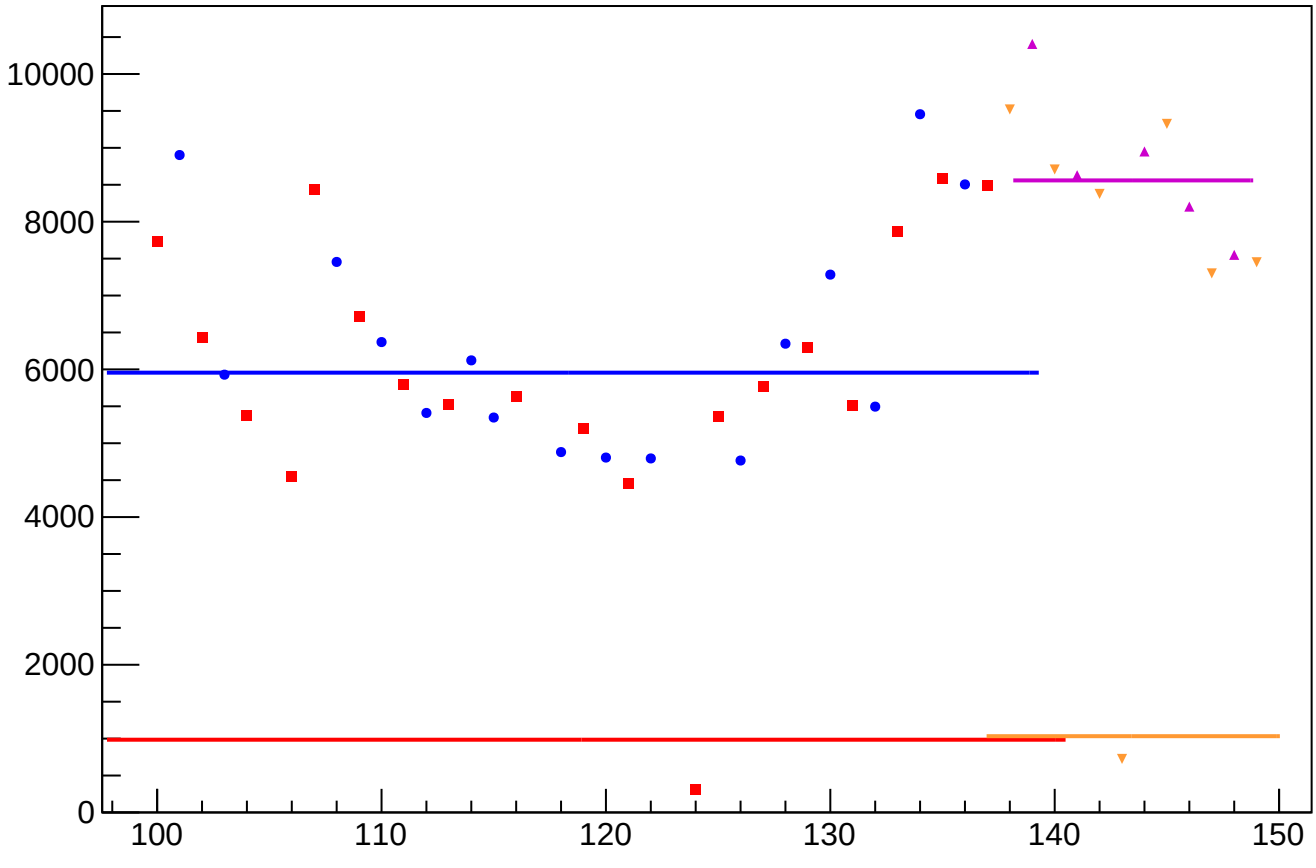
Left: -685.090+/-776.272 χ^2/NDF: 12.2/11

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -217.552+/-1993.137 χ^2/NDF:17.2/20

Out: -116.079+/-550.781 χ^2/NDF:29.9/25

All: -123.278+/-530.883 χ^2/NDF: 47.1/46



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1032.829+/-0.559 χ^2/NDF:7212471.3/6

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: 1299.105+/-0.549 χ^2/NDF: 13718441.3/11

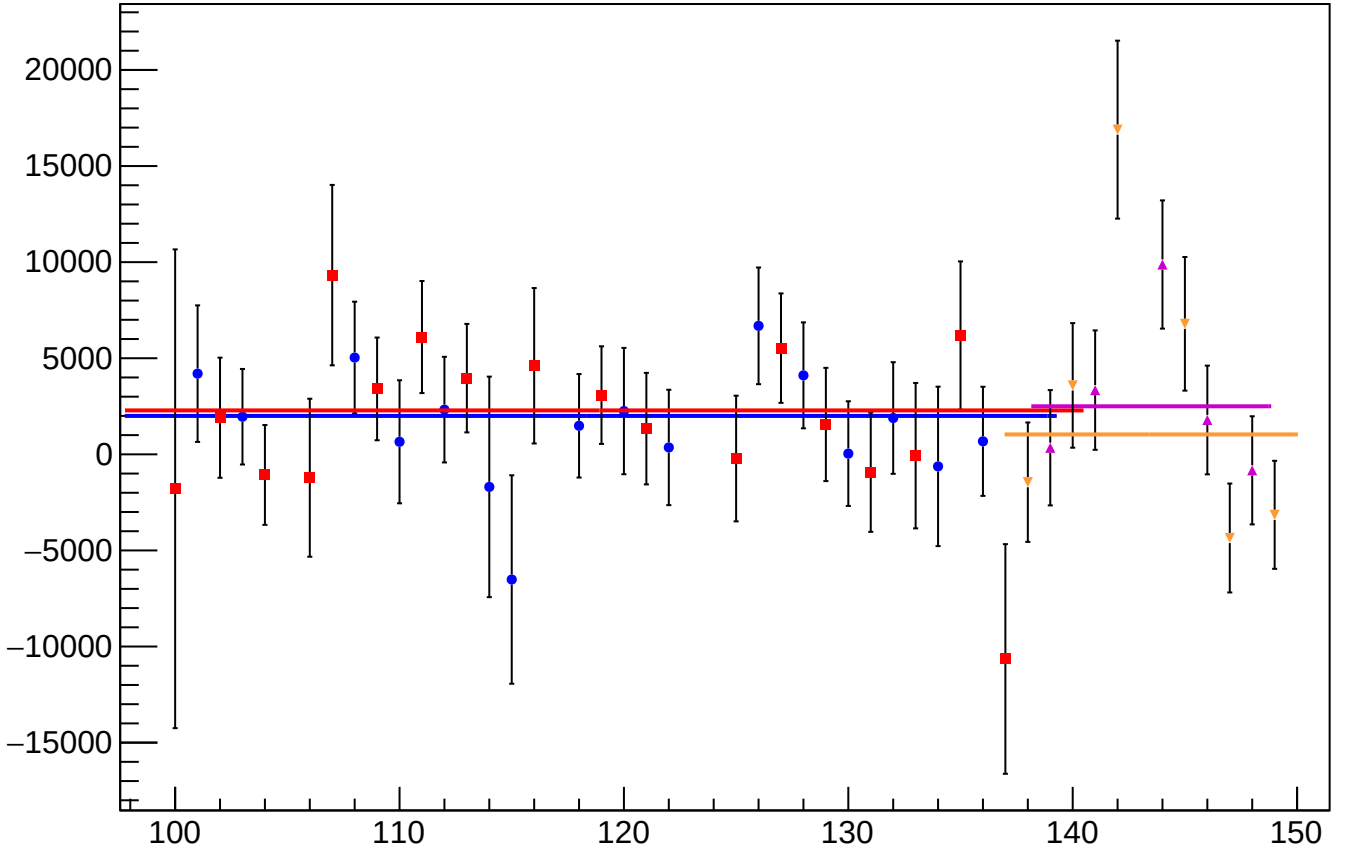
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6562.861+/-1.409 χ^2/NDF:1389295.7/20

Out: 1008.249+/-0.389 χ^2/NDF:18629074.7/25

All: 1402.323+/-0.375 χ^2/NDF: 34449639.7/4

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 1036.284+/-1313.788 χ^2/NDF:21.6/5

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: 1753.339+/-938.507 χ^2/NDF: 29.1/10

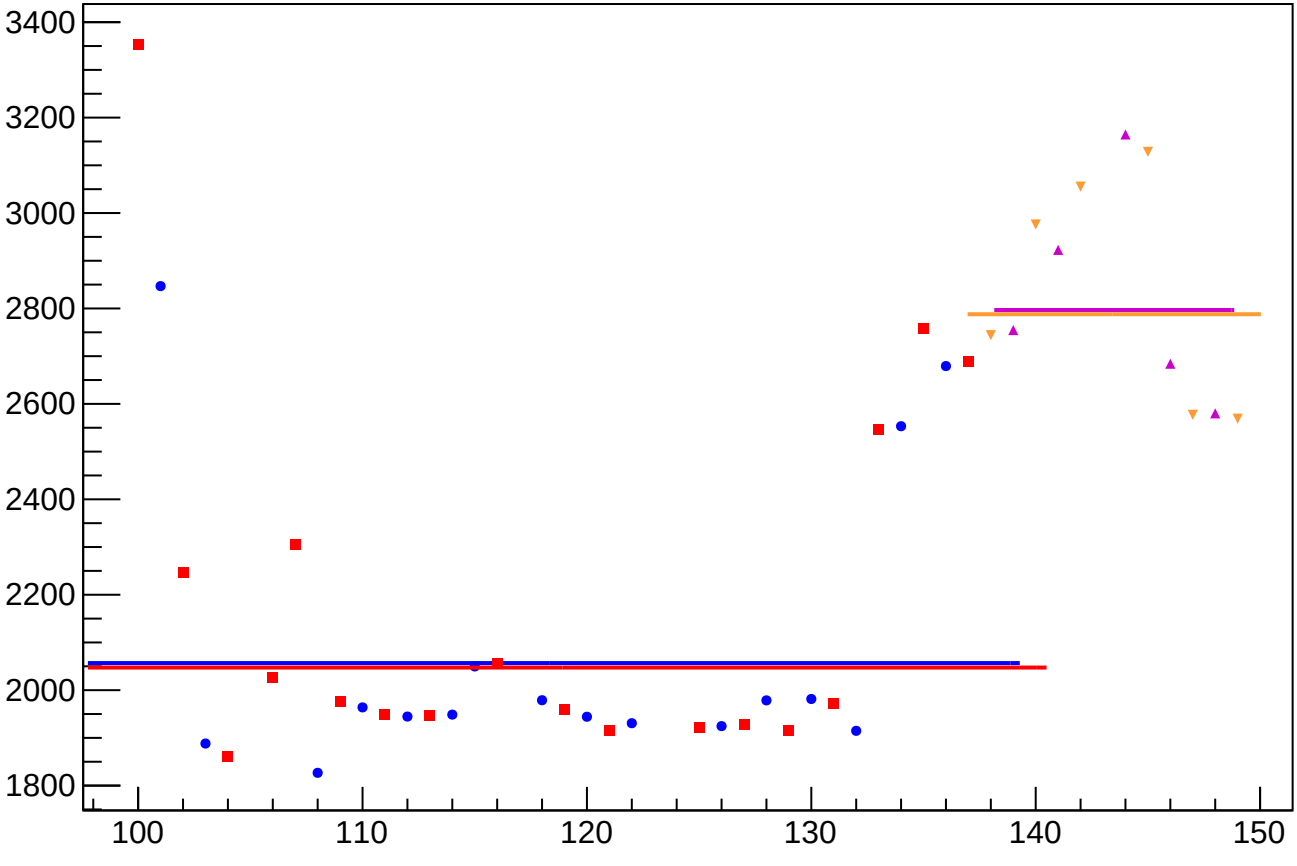
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2124.363+/-670.069 χ^2/NDF:16.0/20

Out: 1965.599+/-665.144 χ^2/NDF:38.9/23

All: 2044.395+/-472.059 χ^2/NDF: 55.0/44

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2787.926+/-0.929 χ^2/NDF:56164.8/5

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2796.779+/-0.948 χ^2/NDF:43035.1/4

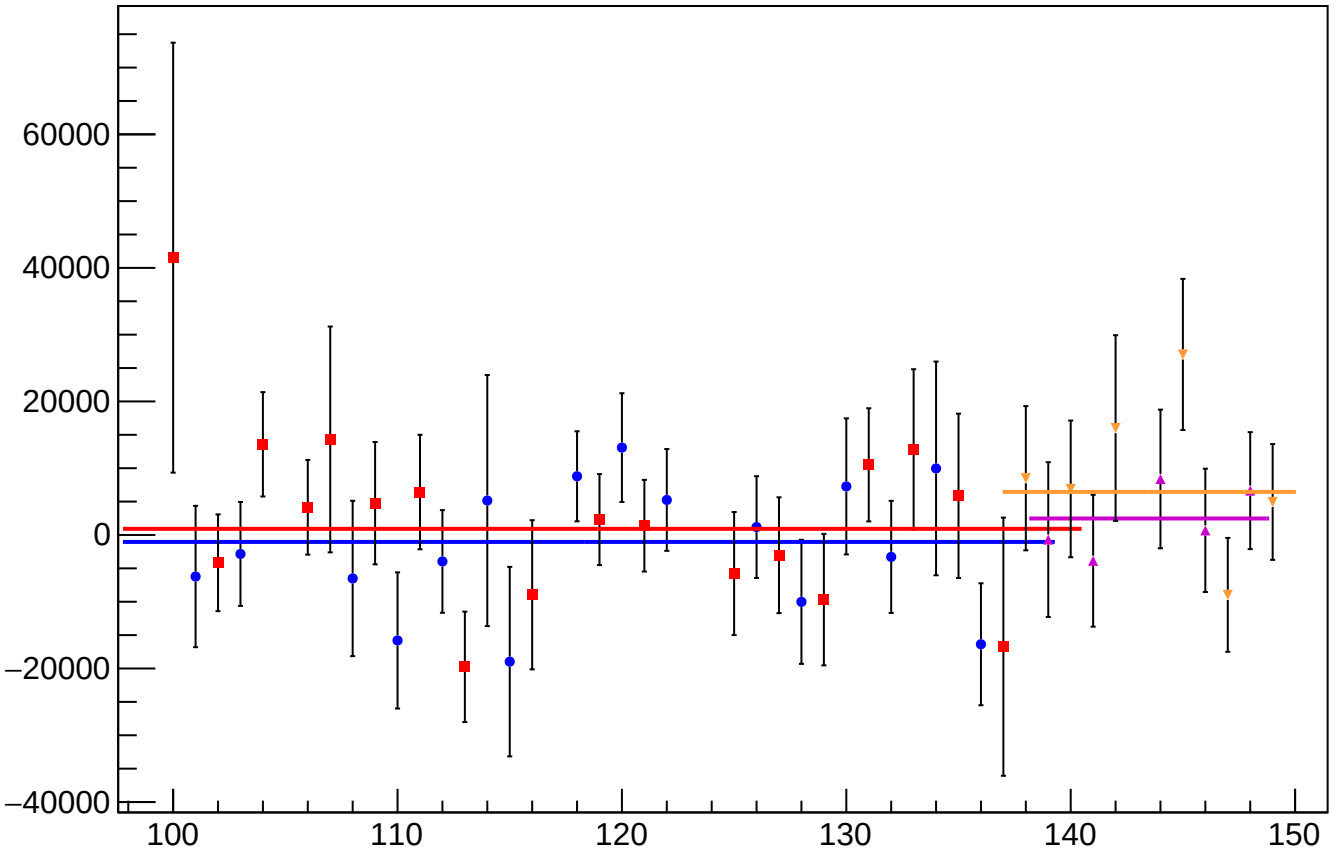
Left: 2792.261+/-0.664 χ^2/NDF: 99244.4/10

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2241.517+/-0.474 χ^2/NDF:770373.8/20

Out: 2236.785+/-0.470 χ^2/NDF:725602.0/23

All: 2239.131+/-0.334 χ^2/NDF: 1496026.1/44



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 6450.714+/-4147.332 χ^2/NDF:7.1/5

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2467.513+/-4396.416 χ^2/NDF:1.1/4

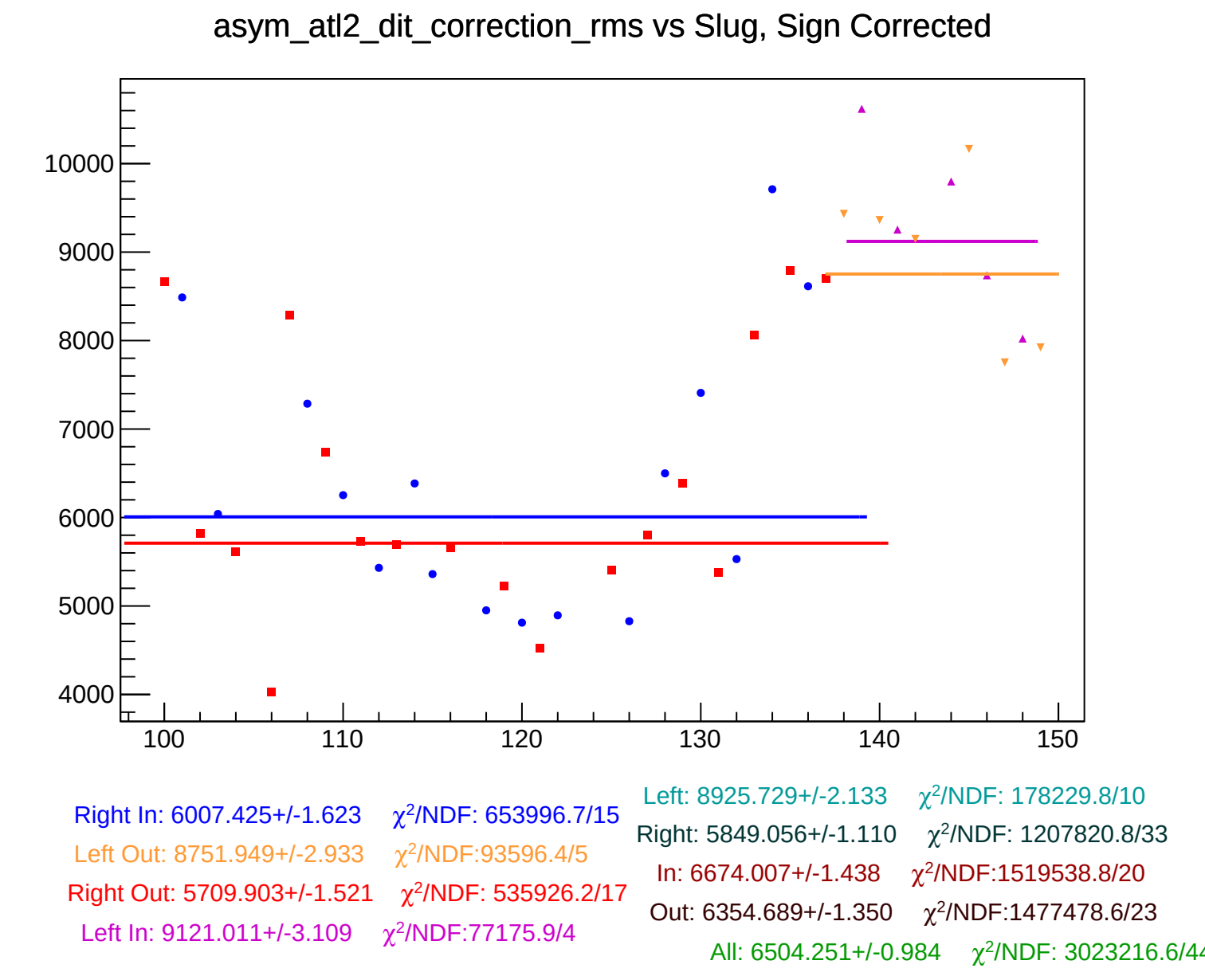
Left: 4575.141+/-3016.822 χ^2/NDF: 8.6/10

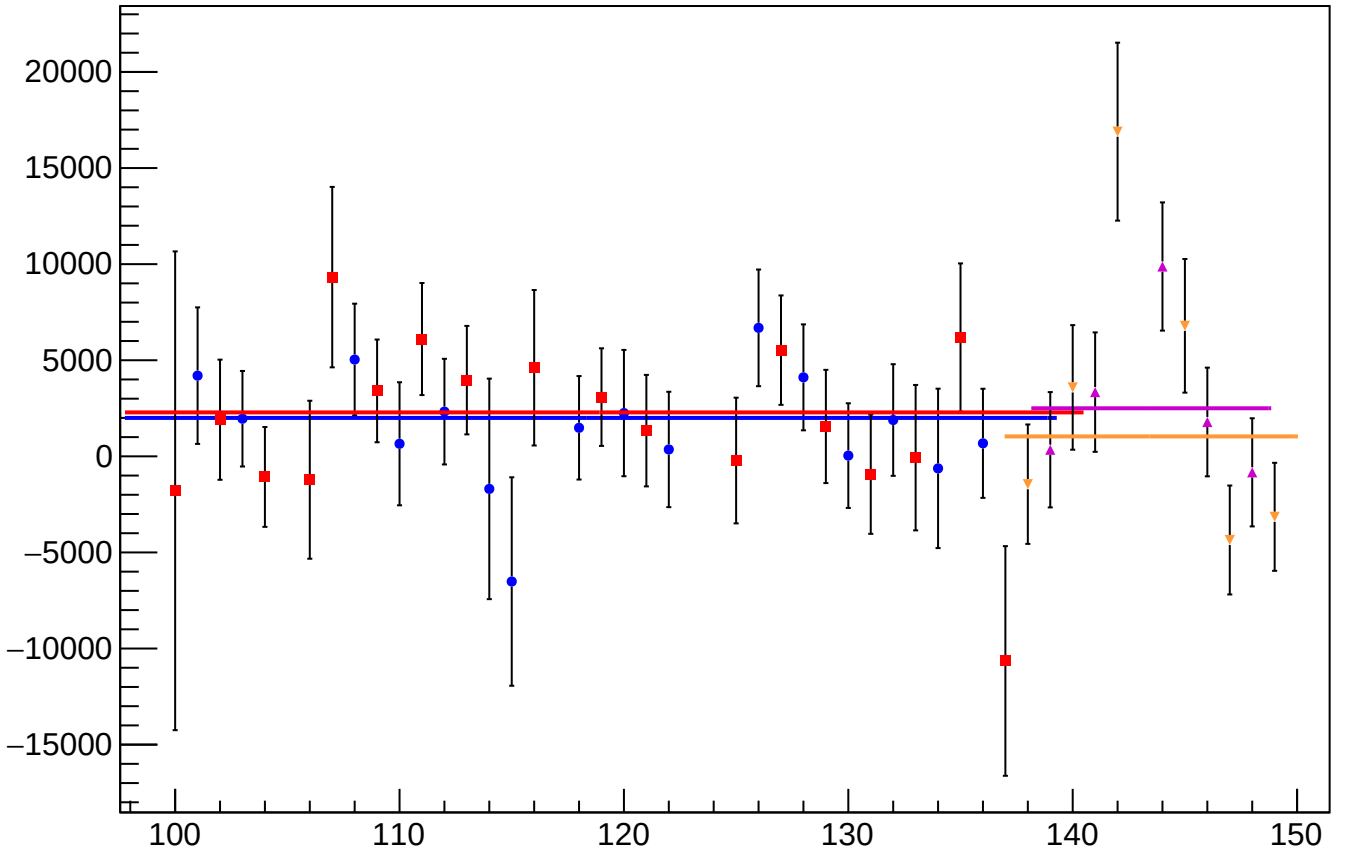
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -291.059+/-2034.207 χ^2/NDF:16.9/20

Out: 2092.014+/-1909.386 χ^2/NDF:26.9/23

All: 975.830+/-1392.177 χ^2/NDF: 44.5/44


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
100
110
120
130
140
150
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 8751.949+/-2.933 χ²/NDF:93596.4/5
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9121.011+/-3.109 χ²/NDF:77175.9/4
Left: 8925.729+/-2.133 χ²/NDF: 178229.8/10
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 6674.007+/-1.438 χ²/NDF:1519538.8/20
Out: 6354.689+/-1.350 χ²/NDF:1477478.6/23
All: 6504.251+/-0.984 χ²/NDF: 3023216.6/44



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 1036.296+/-1313.789 χ^2/NDF:21.6/5

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2500.553+/-1341.134 χ^2/NDF:6.9/4

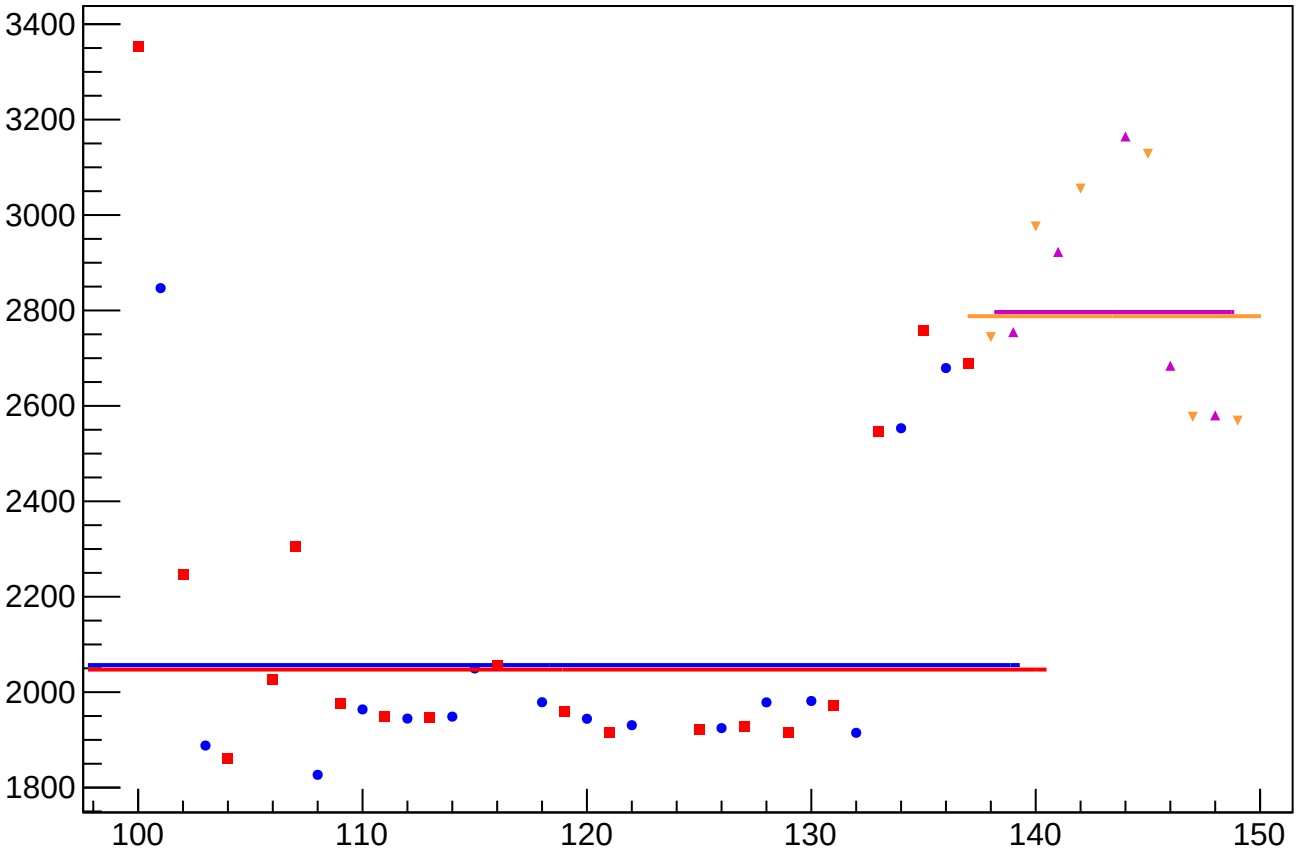
Left: 1753.345+/-938.508 χ^2/NDF: 29.1/10

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2124.366+/-670.069 χ^2/NDF:16.0/20

Out: 1965.605+/-665.144 χ^2/NDF:38.9/23

All: 2044.400+/-472.060 χ^2/NDF: 55.0/44



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2787.928+/-0.929 χ^2/NDF:56166.1/5

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2796.781+/-0.948 χ^2/NDF:43035.6/4

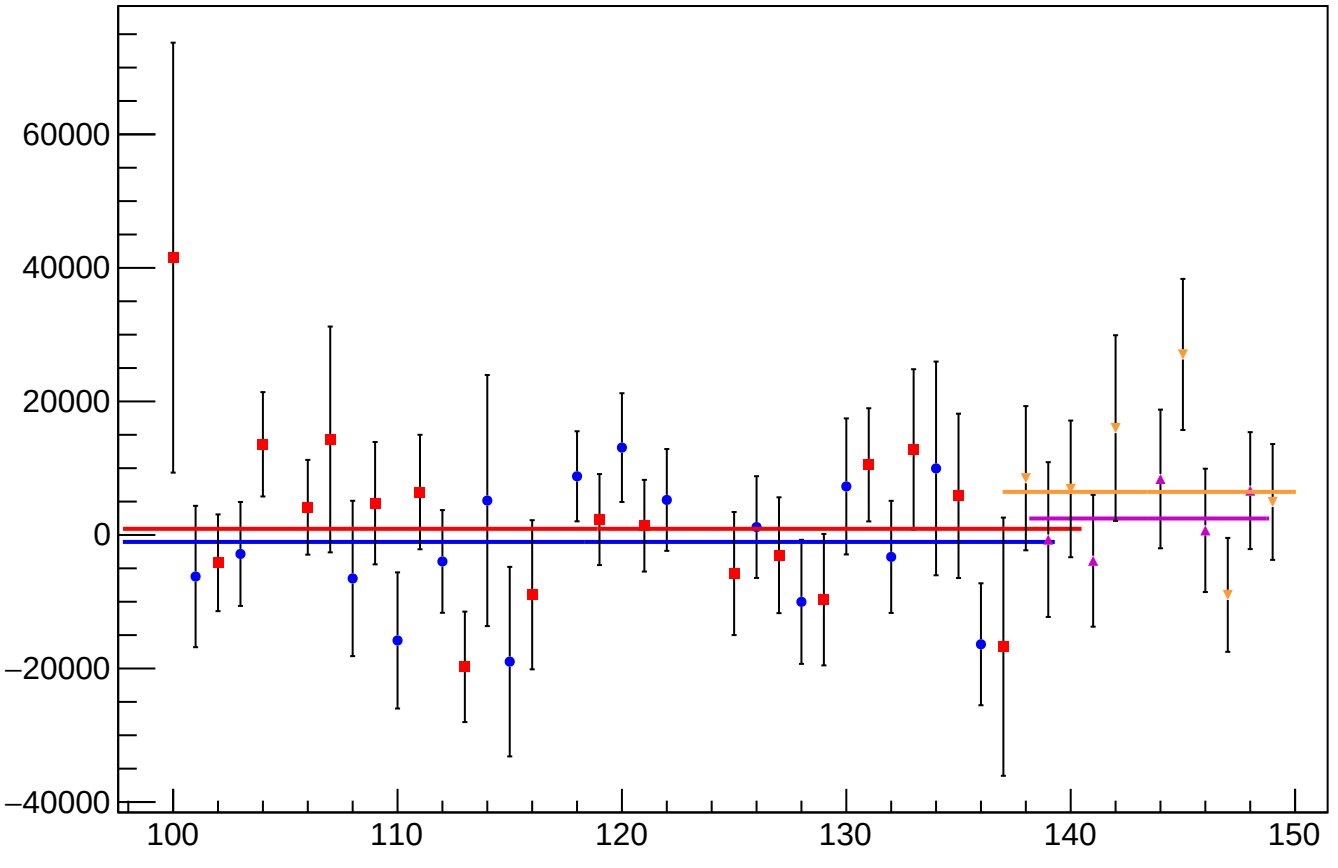
Left: 2792.263+/-0.664 χ^2/NDF: 99246.2/10

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2241.517+/-0.474 χ^2/NDF:770376.5/20

Out: 2236.785+/-0.470 χ^2/NDF:725605.4/23

All: 2239.131+/-0.334 χ^2/NDF: 1496032.2/44



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 6450.715+/-4147.338 χ^2/NDF:7.1/5

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2467.516+/-4396.423 χ^2/NDF:1.1/4

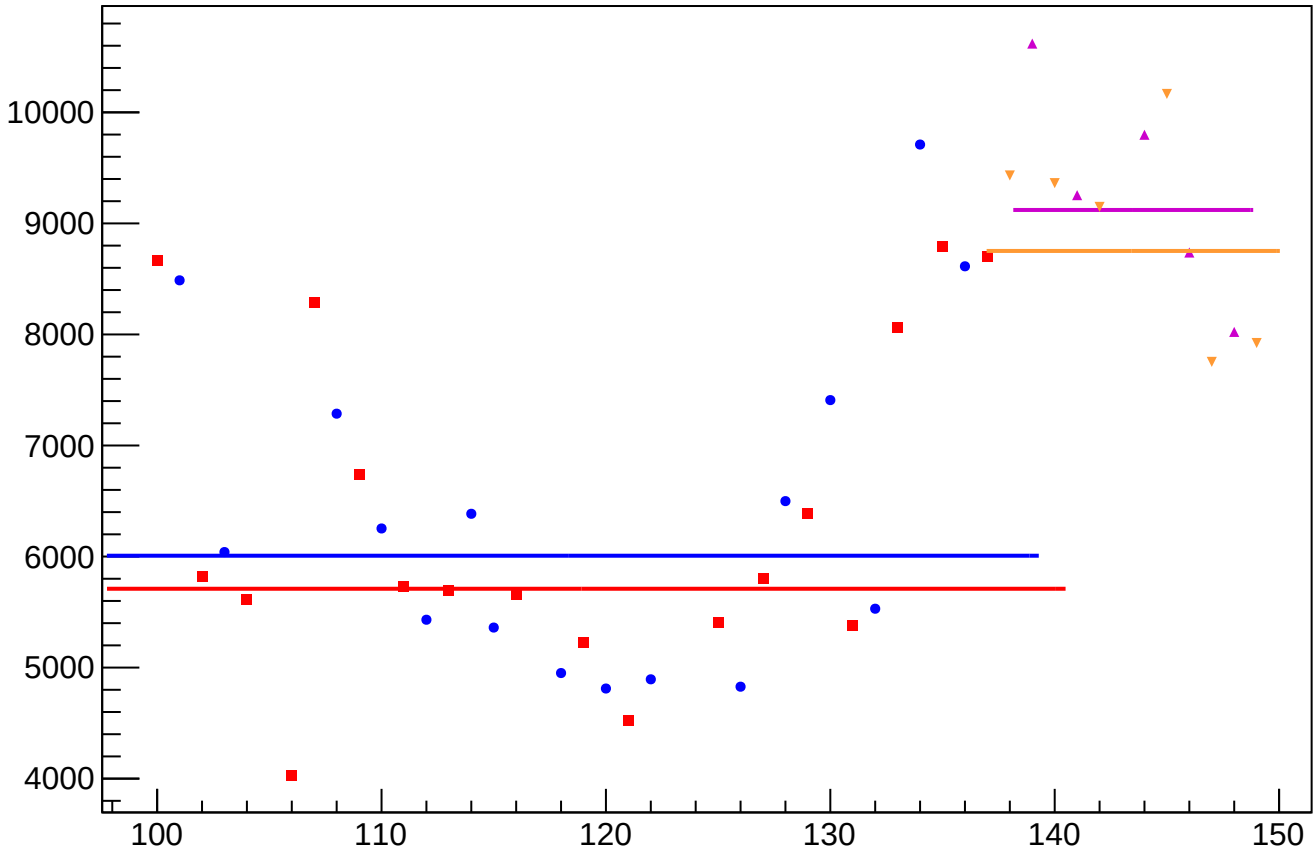
Left: 4575.143+/-3016.826 χ^2/NDF: 8.6/10

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -291.055+/-2034.203 χ^2/NDF:16.9/20

Out: 2092.009+/-1909.383 χ^2/NDF:26.9/23

All: 975.829+/-1392.174 χ^2/NDF: 44.5/44



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8751.961+/-2.933 χ^2/NDF:93598.8/5

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: 8925.742+/-2.133 χ^2/NDF: 178234.1/10

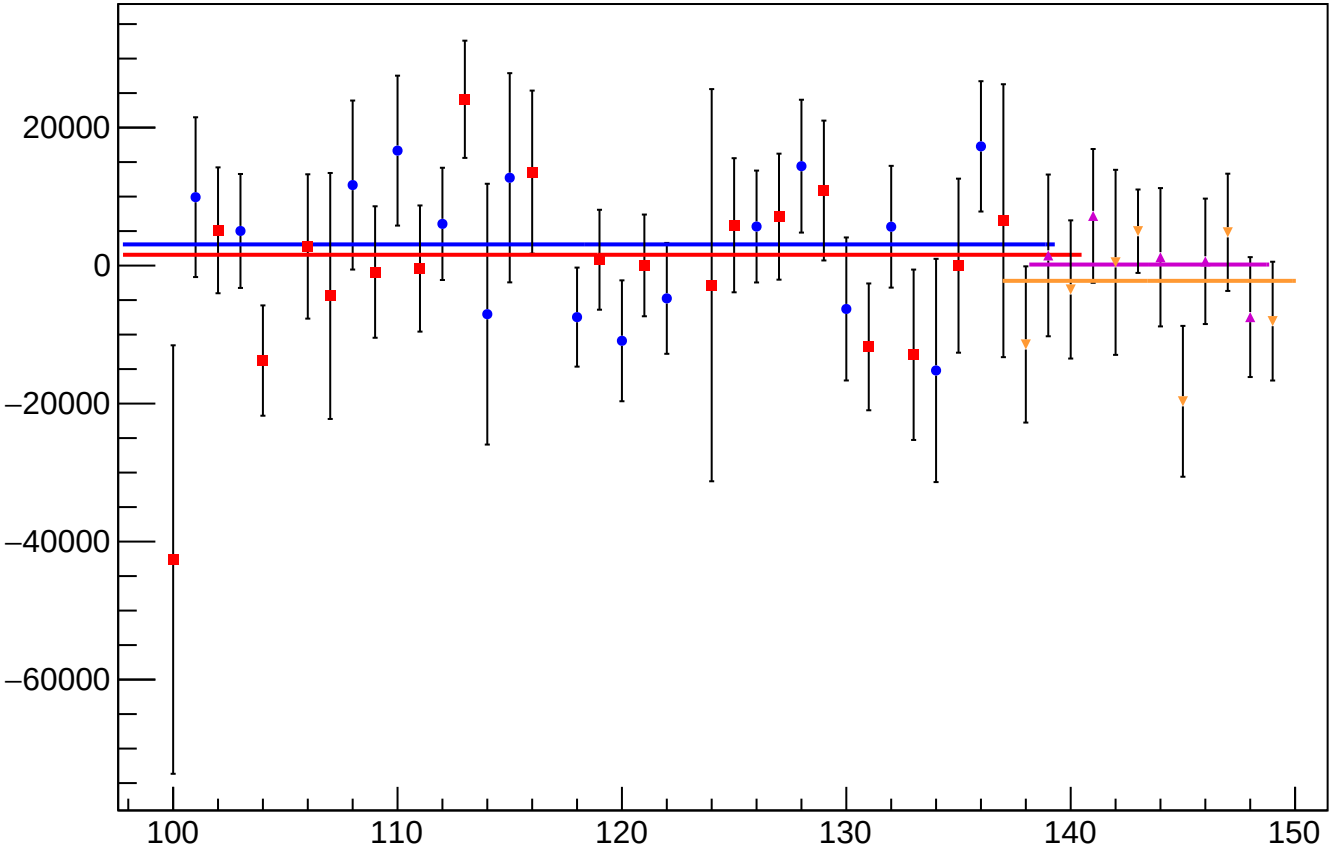
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6673.989+/-1.438 χ^2/NDF:1519564.5/20

Out: 6354.673+/-1.350 χ^2/NDF:1477499.9/23

All: 6504.235+/-0.984 χ^2/NDF: 3023263.3/44

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -2211.602+/-3401.508 χ^2/NDF:5.8/6

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: -1311.559+/-2675.980 χ^2/NDF: 7.3/11

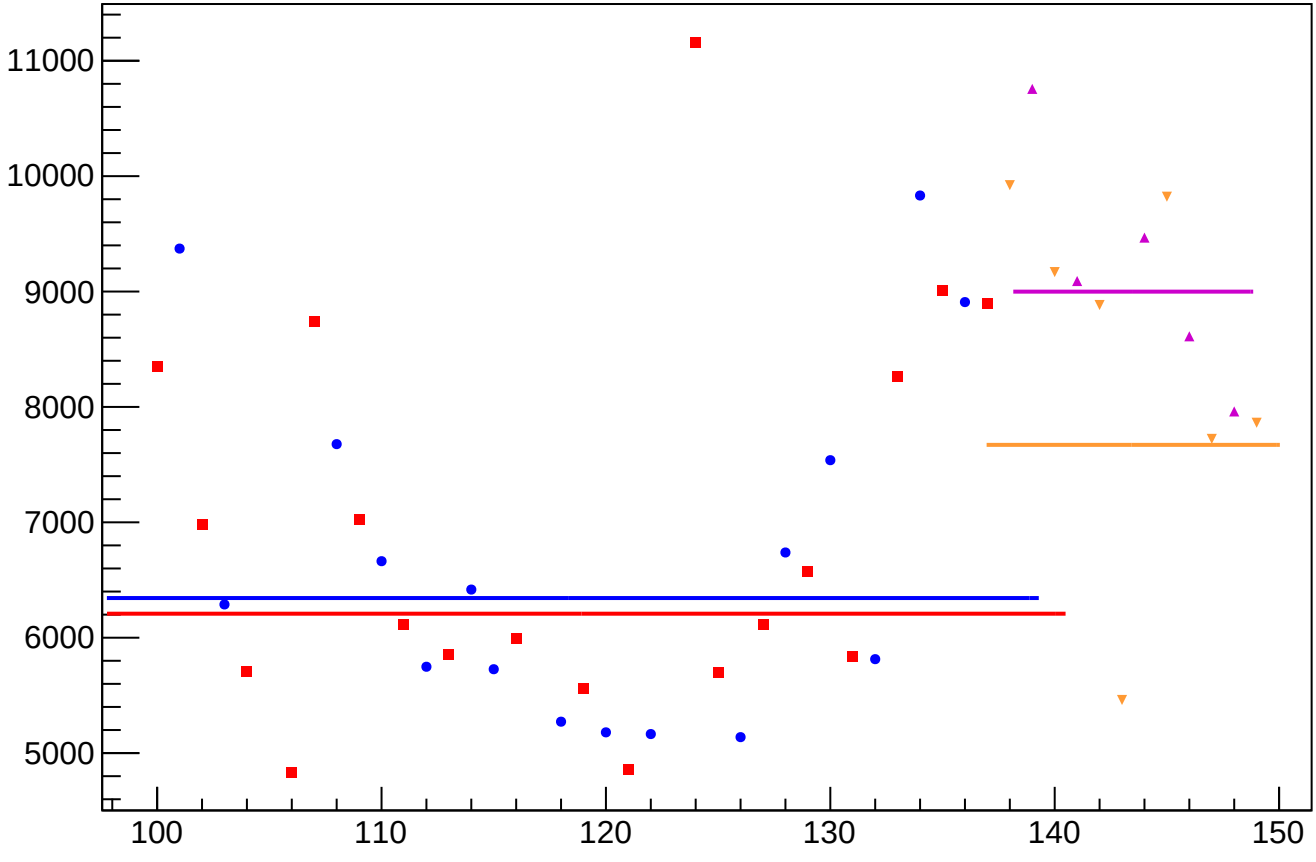
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2376.099+/-2113.494 χ^2/NDF:16.5/20

Out: 356.167+/-1925.567 χ^2/NDF:25.9/25

All: 1272.354+/-1423.392 χ^2/NDF: 42.9/46

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7671.281+/-2.405 χ^2/NDF:486182.6/6

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 8999.187+/-3.065 χ^2/NDF:81684.3/4

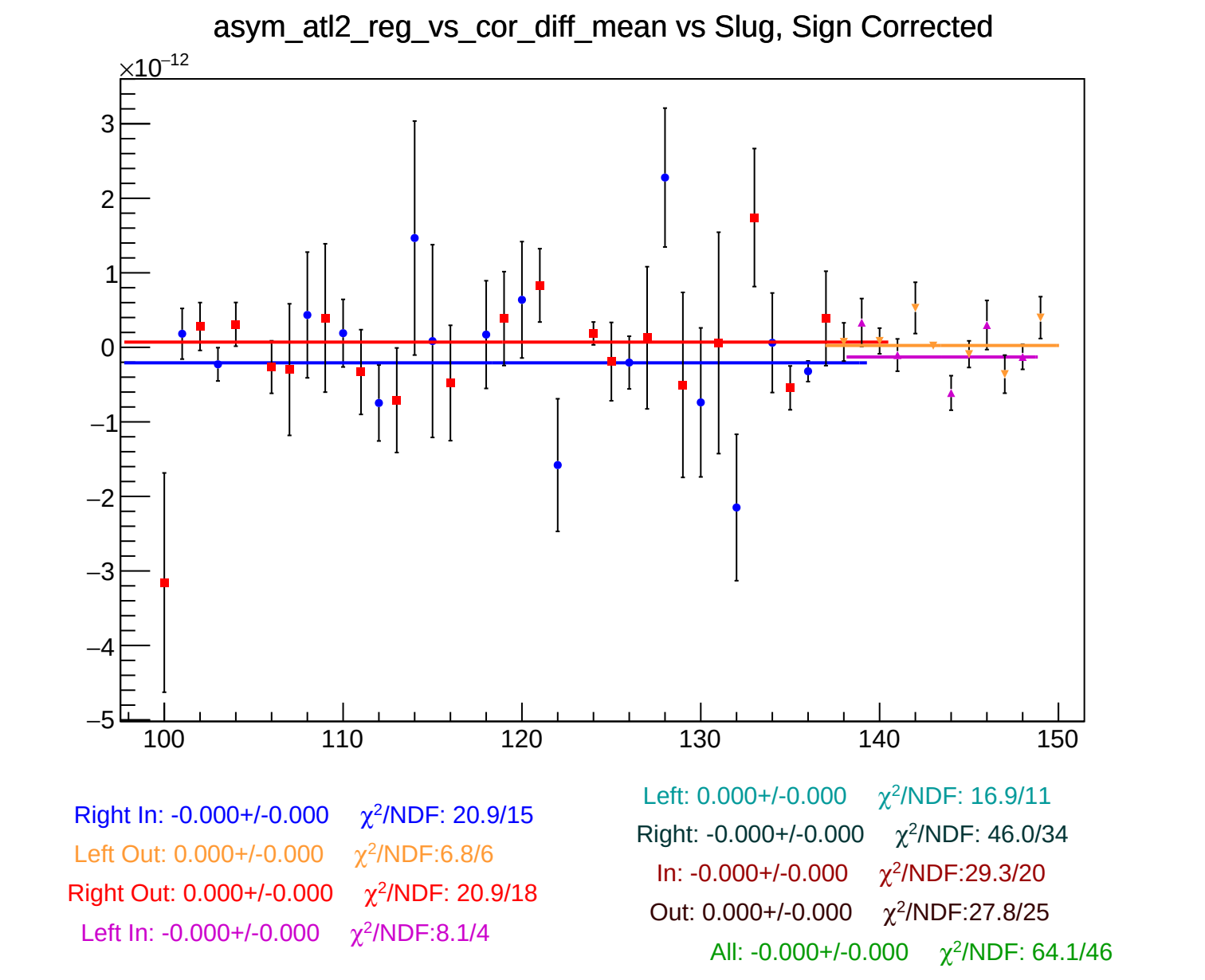
Left: 8177.342+/-1.892 χ^2/NDF: 684027.0/11

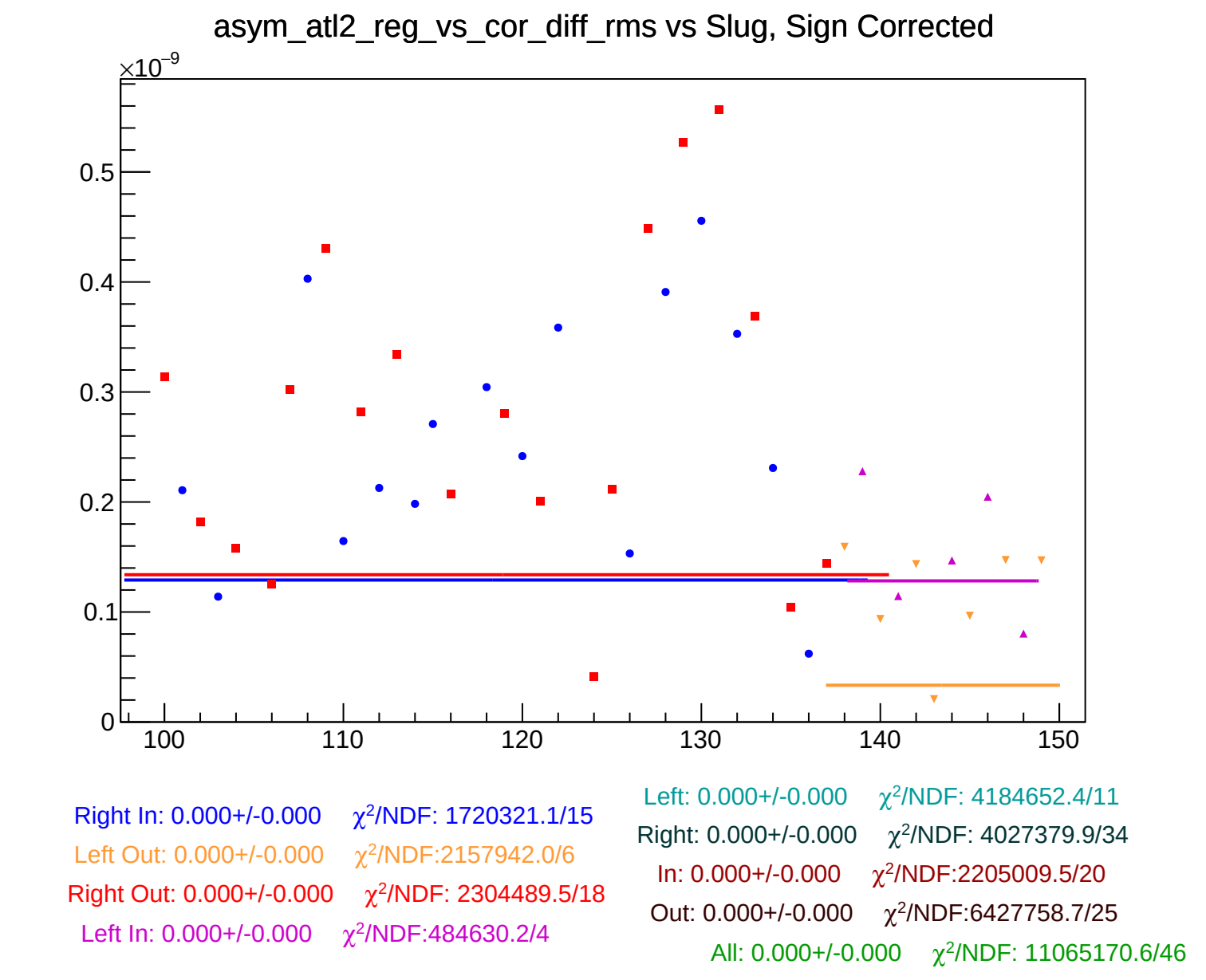
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

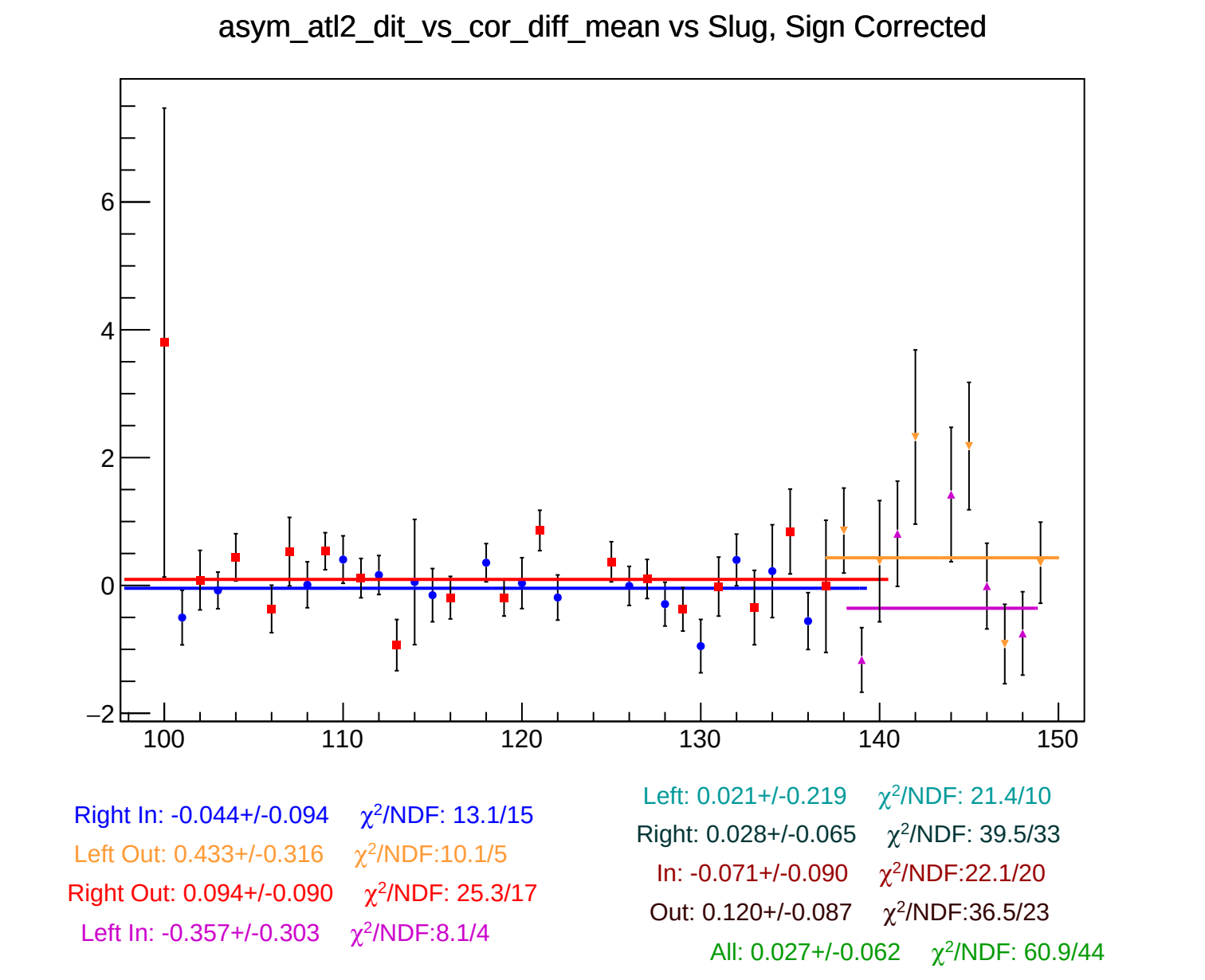
In: 6975.043+/-1.494 χ^2/NDF:1275021.3/20

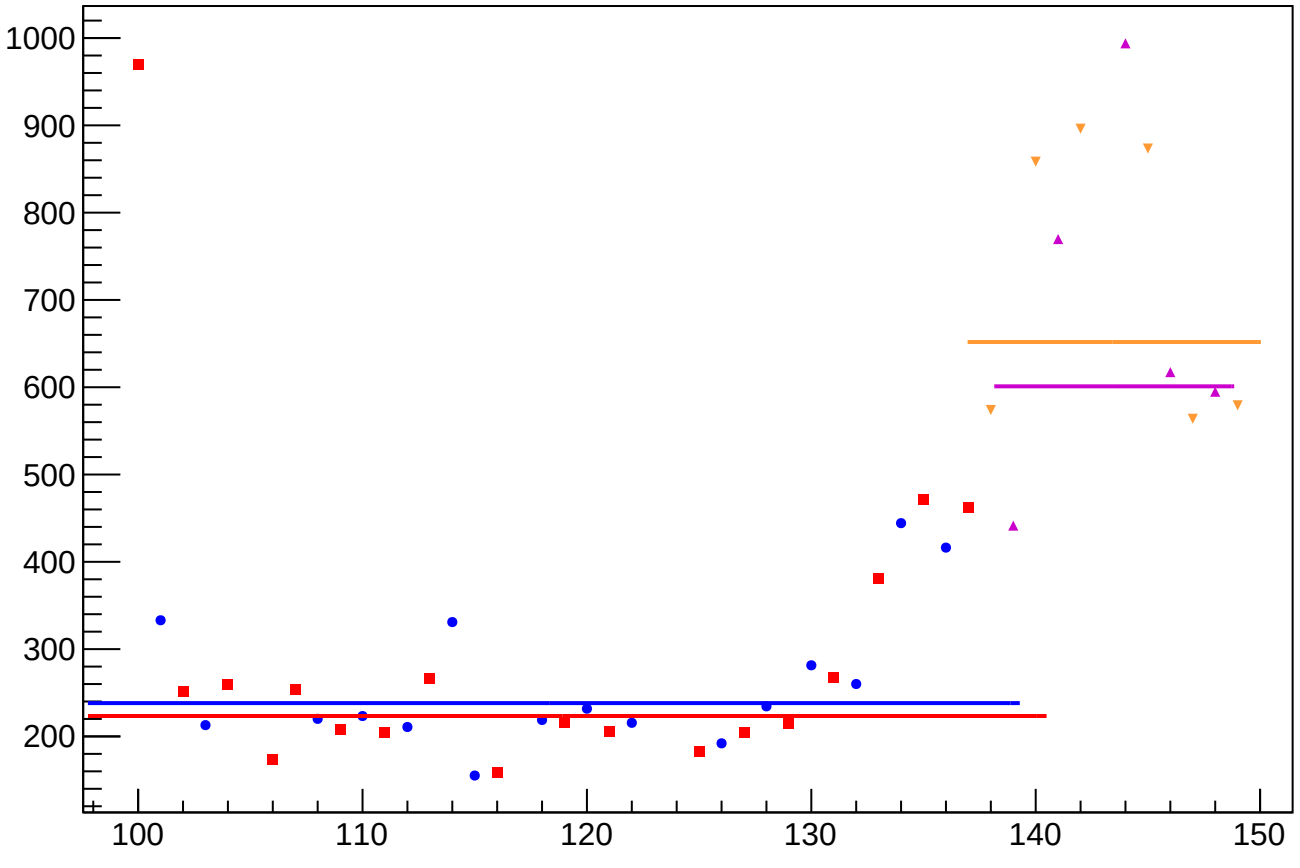
Out: 6676.989+/-1.362 χ^2/NDF:1209500.9/25

All: 6812.178+/-1.006 χ^2/NDF: 2506256.8/46


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:6.8/6
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: 16.9/11
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:27.8/25
All: -0.000+/-0.000 χ²/NDF: 64.1/46


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:2157942.0/6
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: 4184652.4/11
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:6427758.7/25
All: 0.000+/-0.000 χ²/NDF: 11065170.6/46


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.433+/-0.316 χ²/NDF:10.1/5
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.357+/-0.303 χ²/NDF:8.1/4
Left: 0.021+/-0.219 χ²/NDF: 21.4/10
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.071+/-0.090 χ²/NDF:22.1/20
Out: 0.120+/-0.087 χ²/NDF:36.5/23
All: 0.027+/-0.062 χ²/NDF: 60.9/44



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 651.833+/-0.224 χ^2/NDF:351687.4/5

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

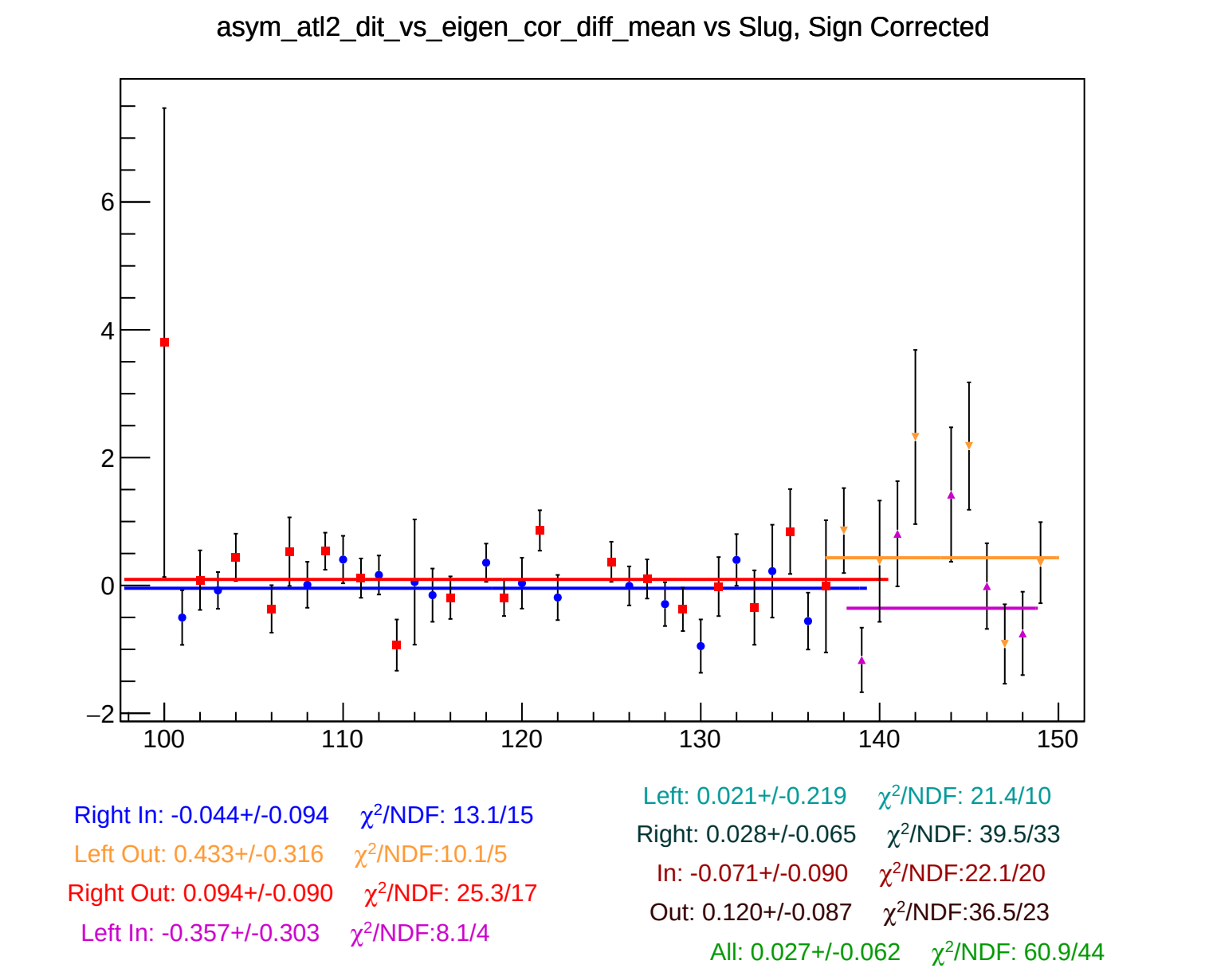
Left: 625.357+/-0.155 χ^2/NDF: 942604.6/10

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 269.863+/-0.063 χ^2/NDF:3985938.9/20

Out: 255.490+/-0.061 χ^2/NDF:4607544.6/23

All: 262.431+/-0.044 χ^2/NDF: 8620089.7/44


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
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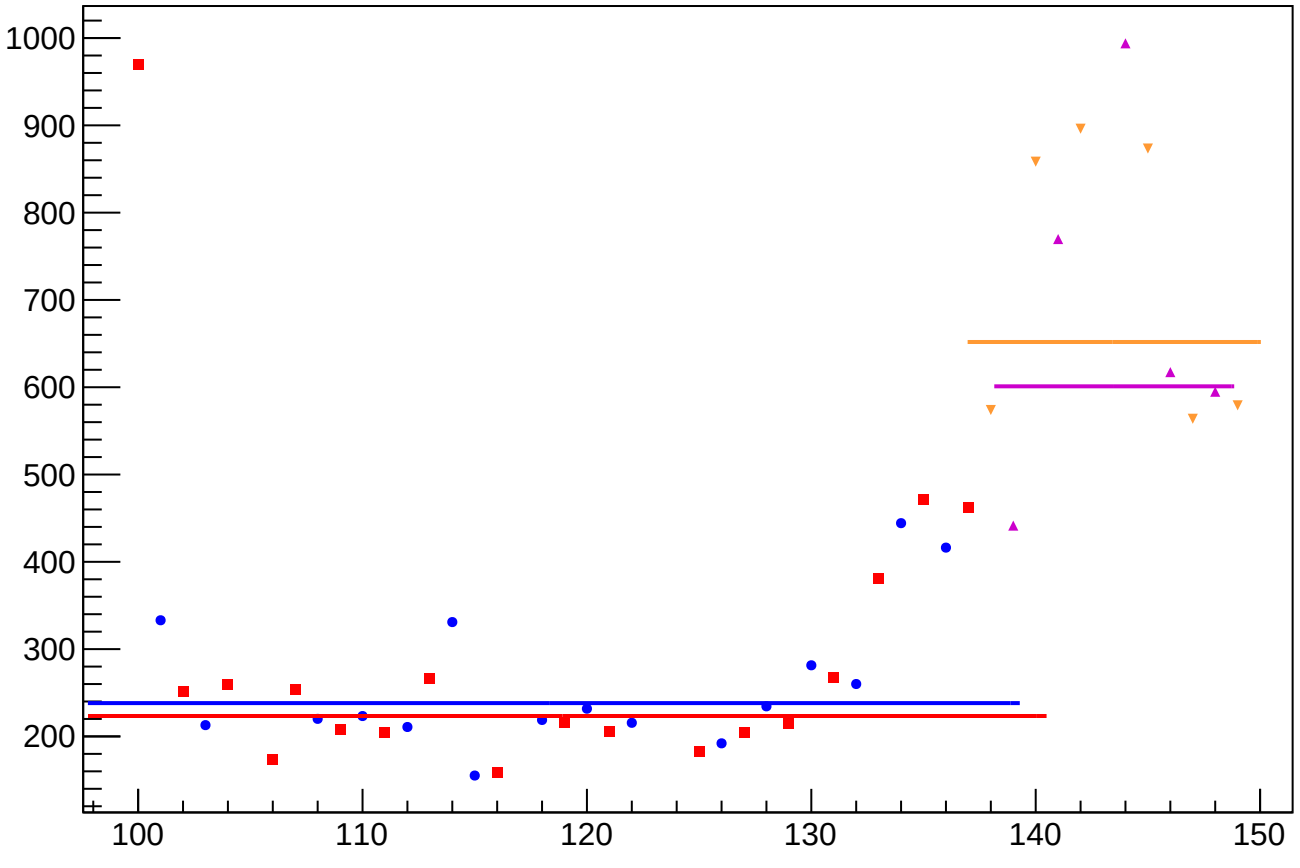
100
110
120
130
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.433+/-0.316 χ²/NDF:10.1/5
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.357+/-0.303 χ²/NDF:8.1/4
Left: 0.021+/-0.219 χ²/NDF: 21.4/10
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.071+/-0.090 χ²/NDF:22.1/20
Out: 0.120+/-0.087 χ²/NDF:36.5/23
All: 0.027+/-0.062 χ²/NDF: 60.9/44



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 651.833+/-0.224 χ^2/NDF:351687.4/5

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 601.039+/-0.214 χ^2/NDF:564043.0/4

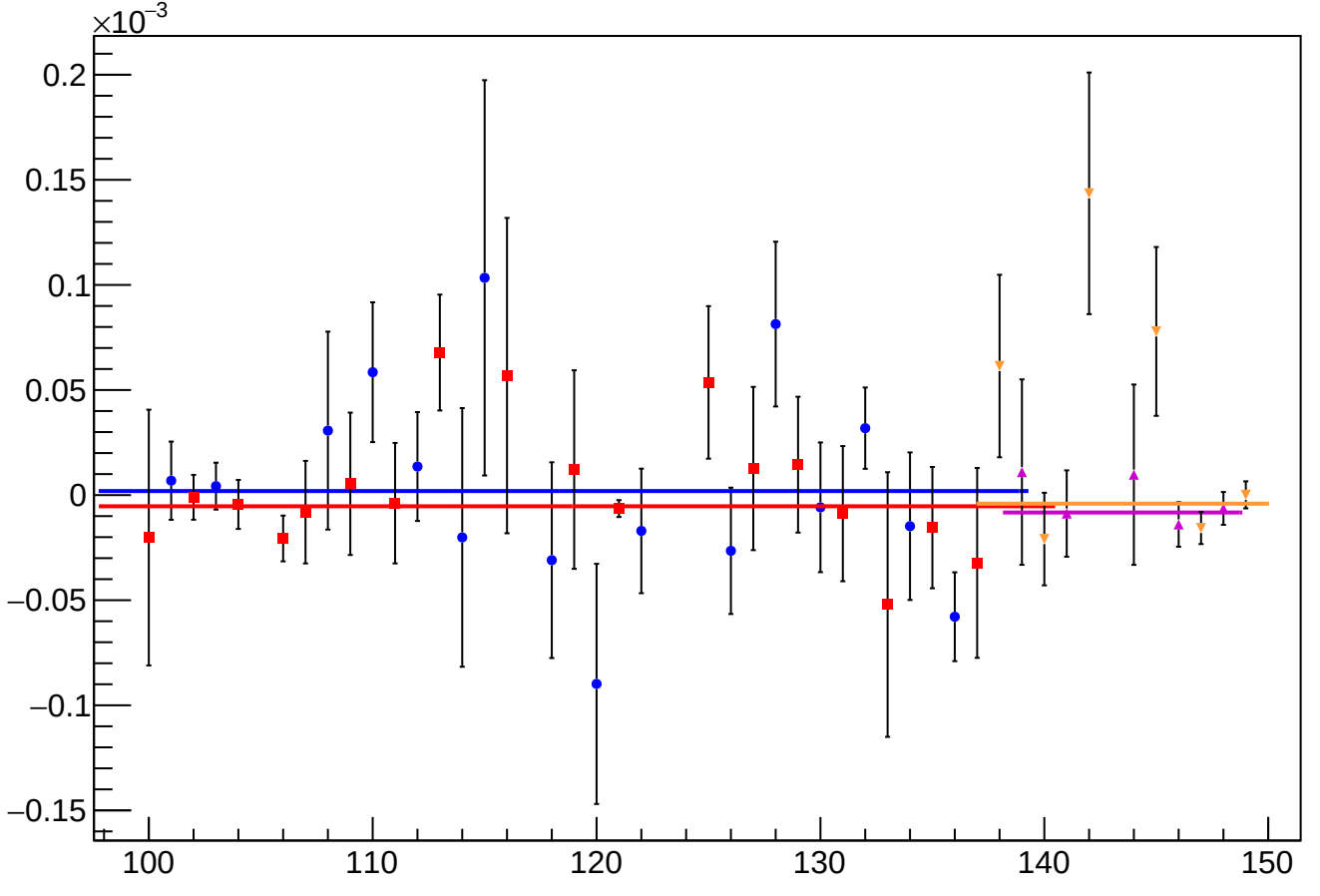
Left: 625.357+/-0.155 χ^2/NDF: 942604.6/10

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 269.863+/-0.063 χ^2/NDF:3985938.9/20

Out: 255.490+/-0.061 χ^2/NDF:4607544.6/23

All: 262.431+/-0.044 χ^2/NDF: 8620089.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/5

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

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

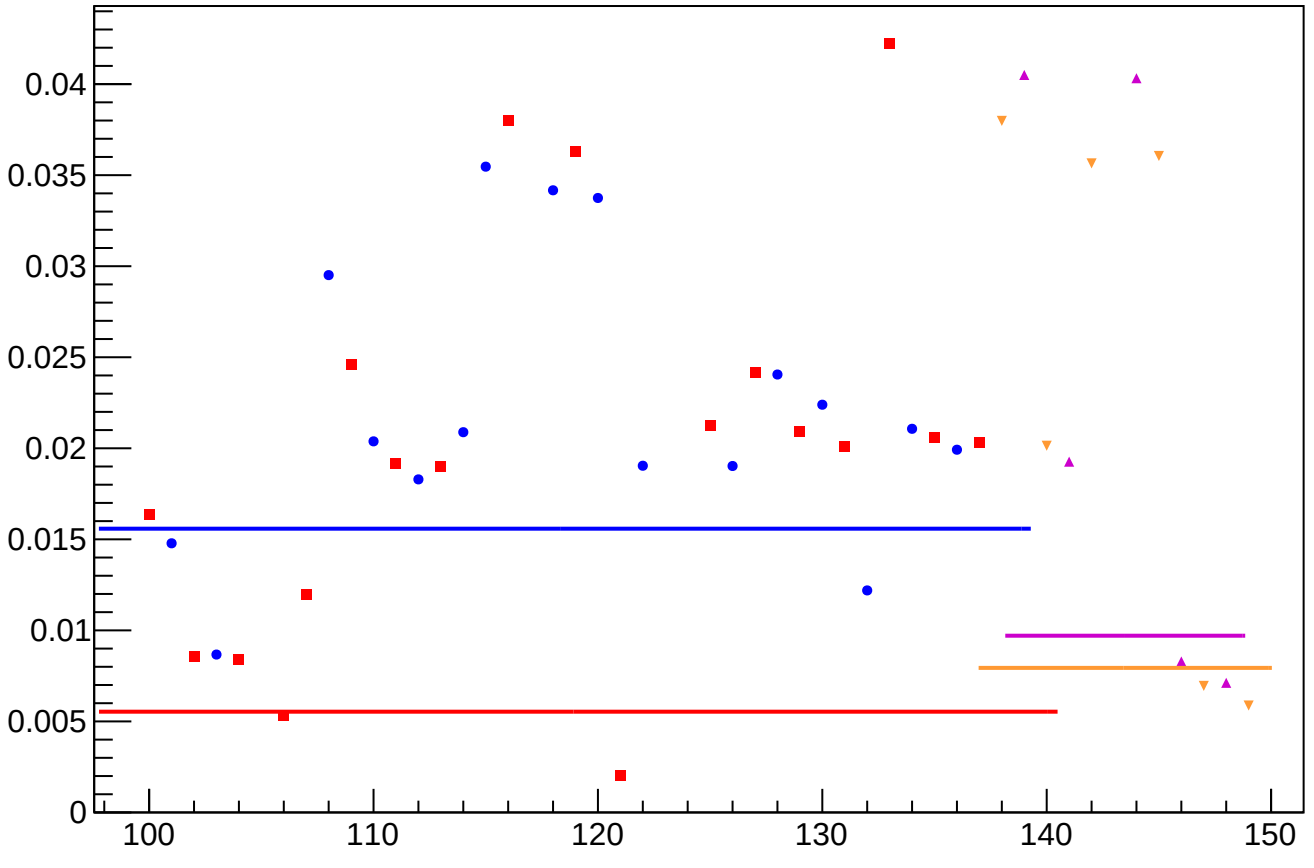
Left: -0.000+/-0.000 χ^2/NDF: 17.4/10

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:30.9/23

All: -0.000+/-0.000 χ^2/NDF: 57.1/44



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:3256628.2/5

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:2682678.9/4

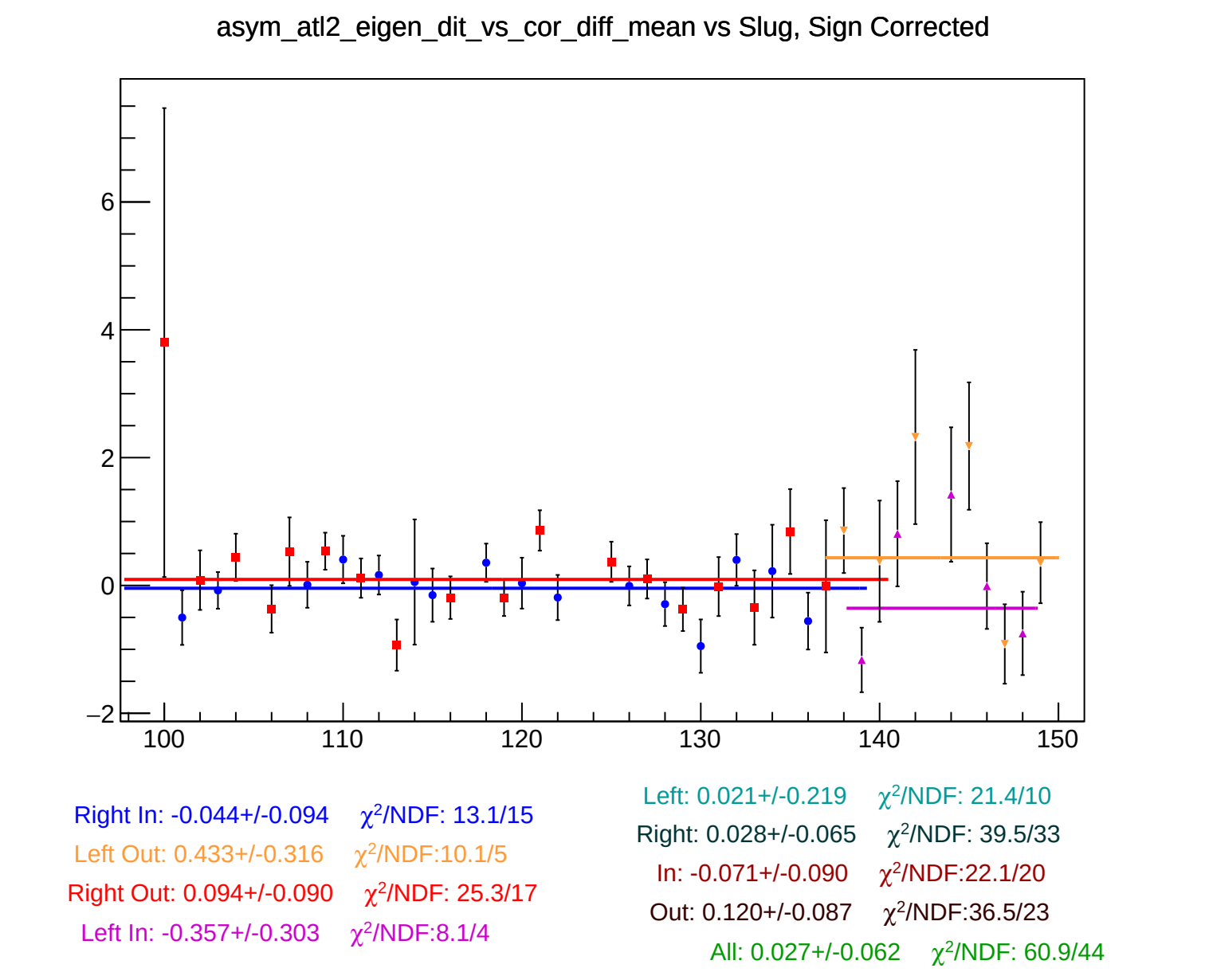
Left: 0.009+/-0.000 χ^2/NDF: 6048723.2/10

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:11567144.3/23

All: 0.008+/-0.000 χ^2/NDF: 20154728.0/44


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
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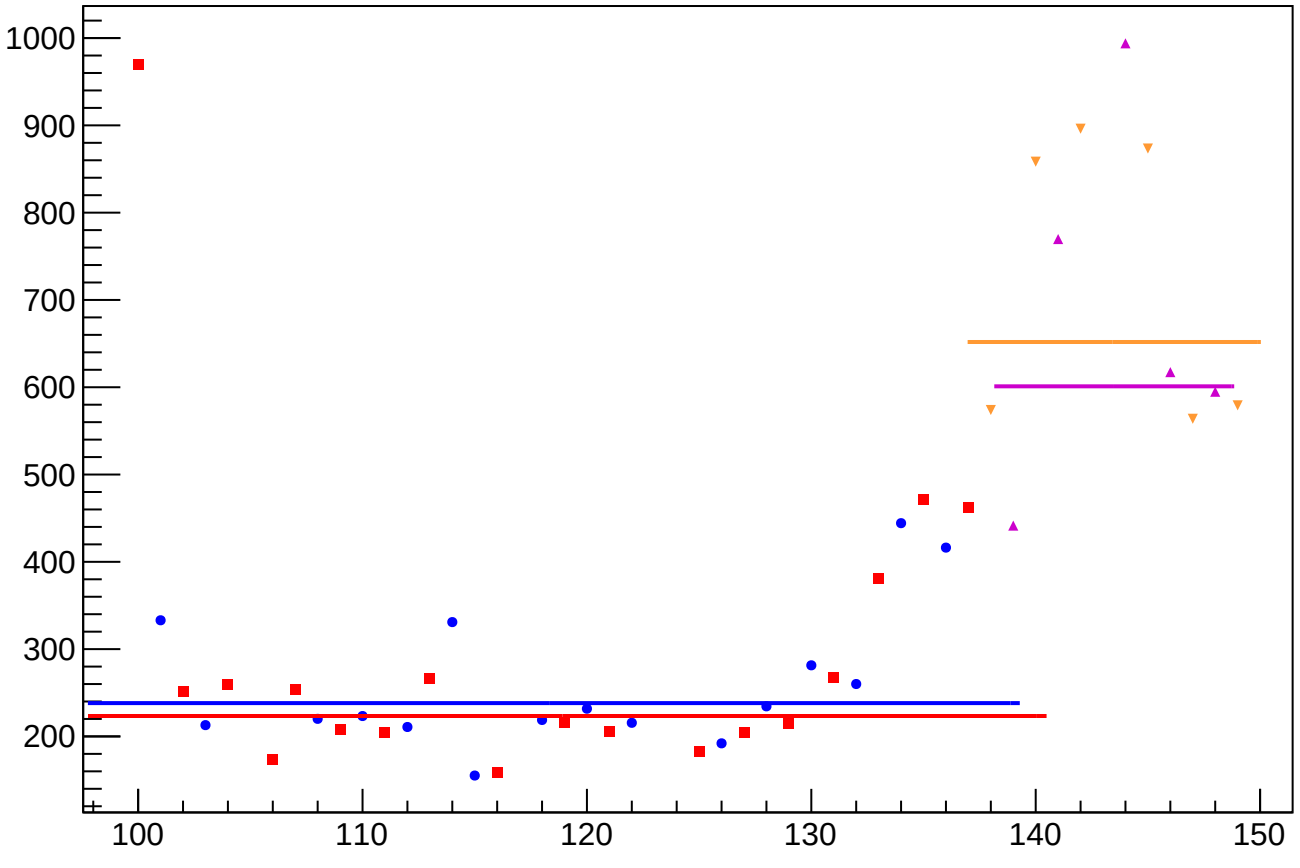
−2
100
110
120
130
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.433+/-0.316 χ²/NDF:10.1/5
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.357+/-0.303 χ²/NDF:8.1/4
Left: 0.021+/-0.219 χ²/NDF: 21.4/10
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.071+/-0.090 χ²/NDF:22.1/20
Out: 0.120+/-0.087 χ²/NDF:36.5/23
All: 0.027+/-0.062 χ²/NDF: 60.9/44



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 651.836+/-0.224 χ^2/NDF:351716.3/5

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: 625.364+/-0.155 χ^2/NDF: 942605.3/10

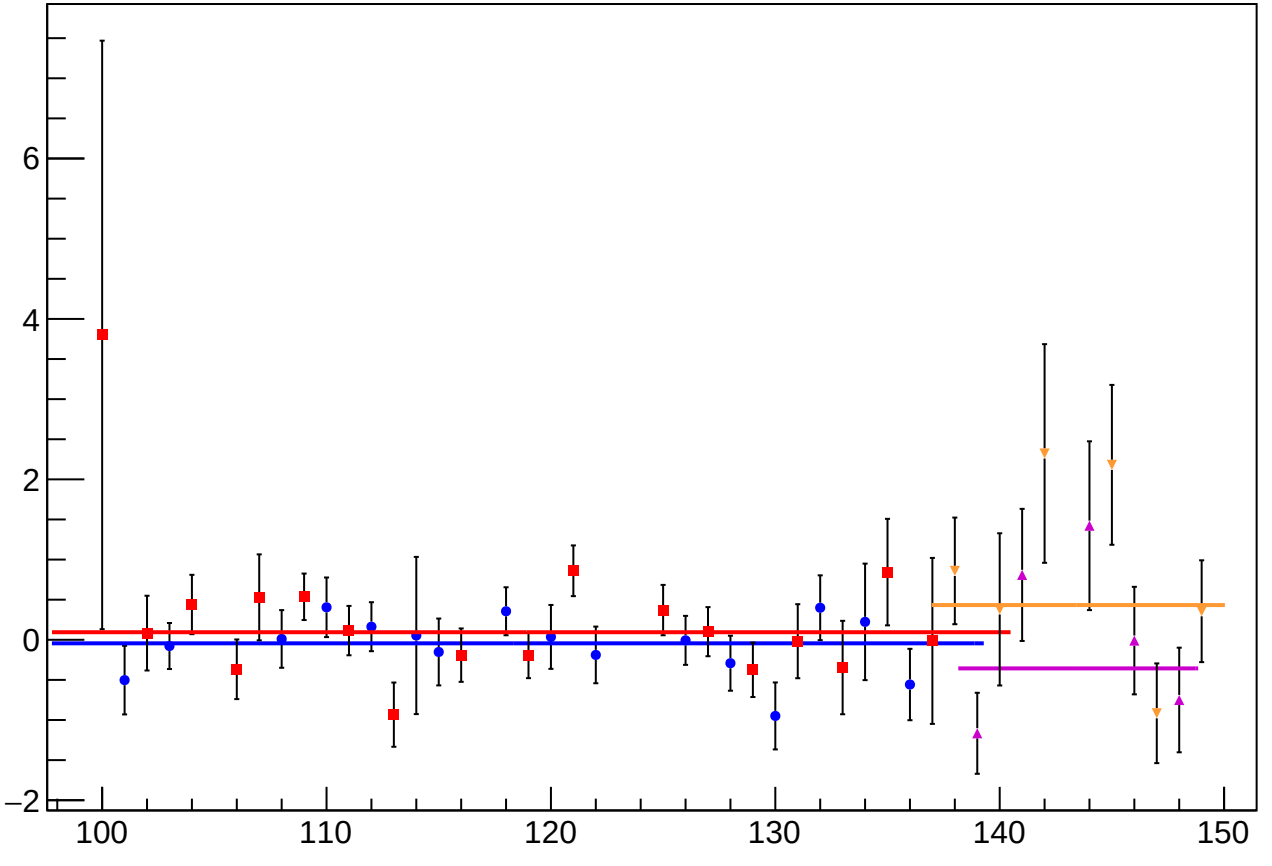
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 269.863+/-0.063 χ^2/NDF:3985938.4/20

Out: 255.491+/-0.061 χ^2/NDF:4607503.9/23

All: 262.432+/-0.044 χ^2/NDF: 8620045.3/44

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: 0.433+/-0.316 χ^2/NDF:10.1/5

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.357+/-0.303 χ^2/NDF:8.1/4

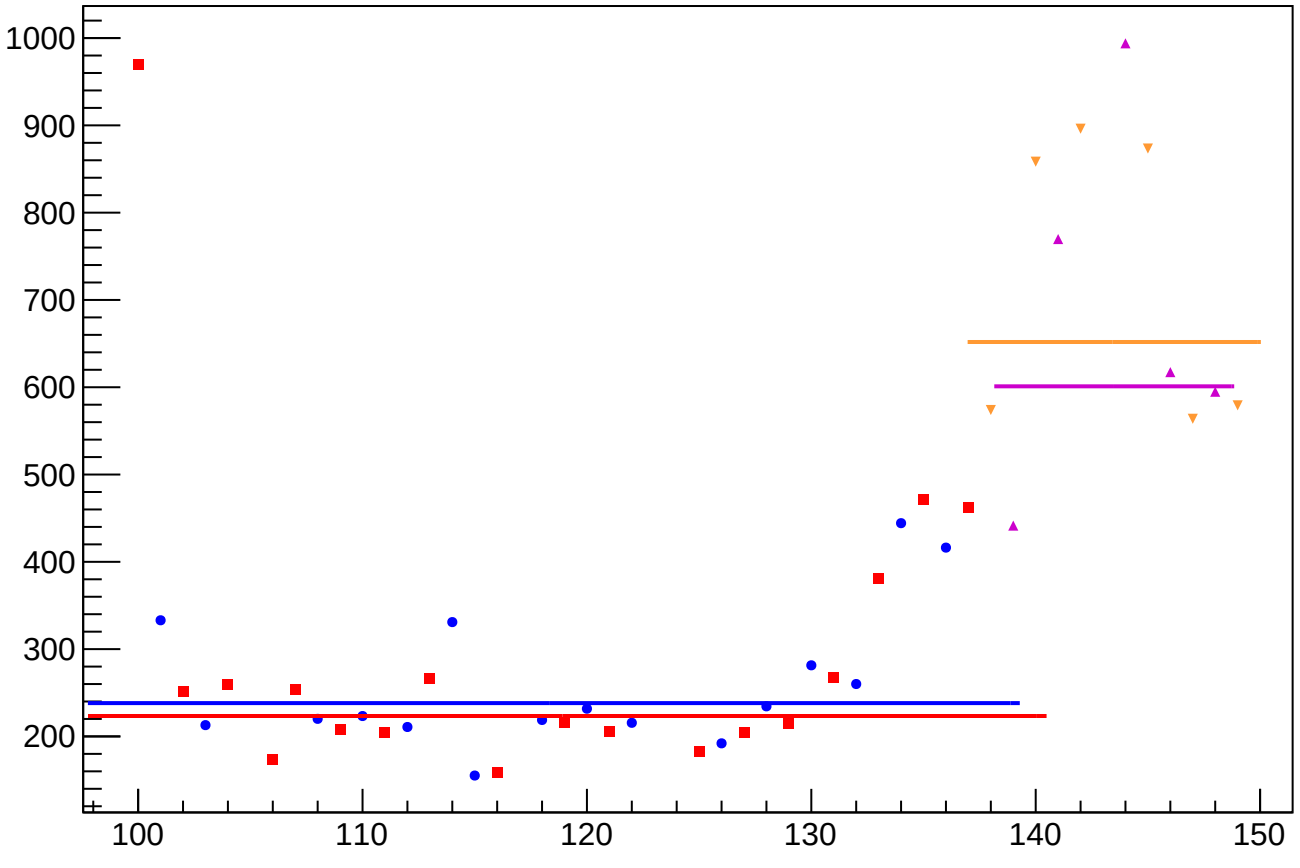
Left: 0.021+/-0.219 χ^2/NDF: 21.4/10

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.071+/-0.090 χ^2/NDF:22.1/20

Out: 0.120+/-0.087 χ^2/NDF:36.5/23

All: 0.027+/-0.062 χ^2/NDF: 60.9/44



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 651.836+/-0.224 χ^2/NDF:351716.3/5

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 601.049+/-0.214 χ^2/NDF:564021.6/4

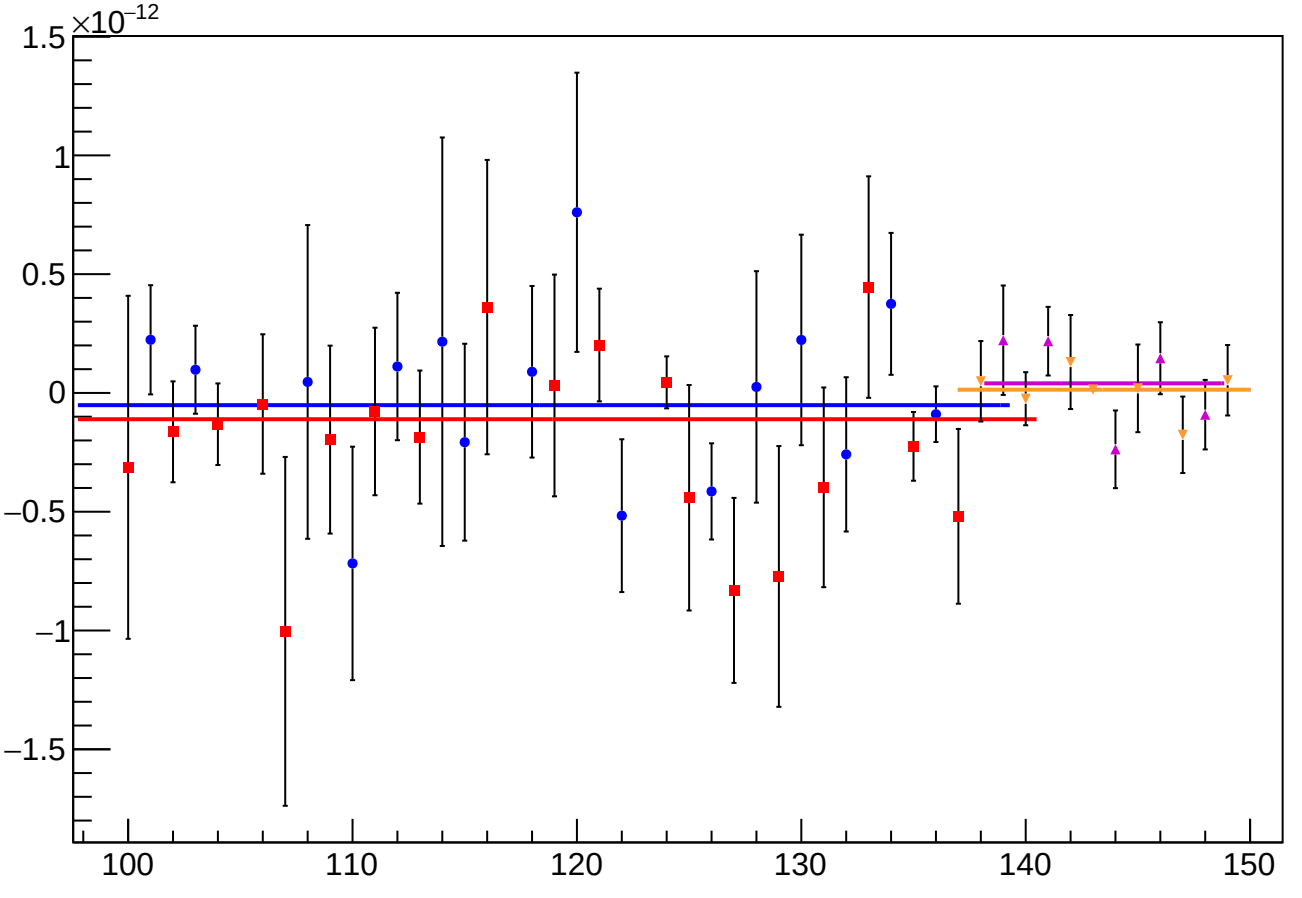
Left: 625.364+/-0.155 χ^2/NDF: 942605.3/10

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 269.863+/-0.063 χ^2/NDF:3985938.4/20

Out: 255.491+/-0.061 χ^2/NDF:4607503.9/23

All: 262.432+/-0.044 χ^2/NDF: 8620045.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/4

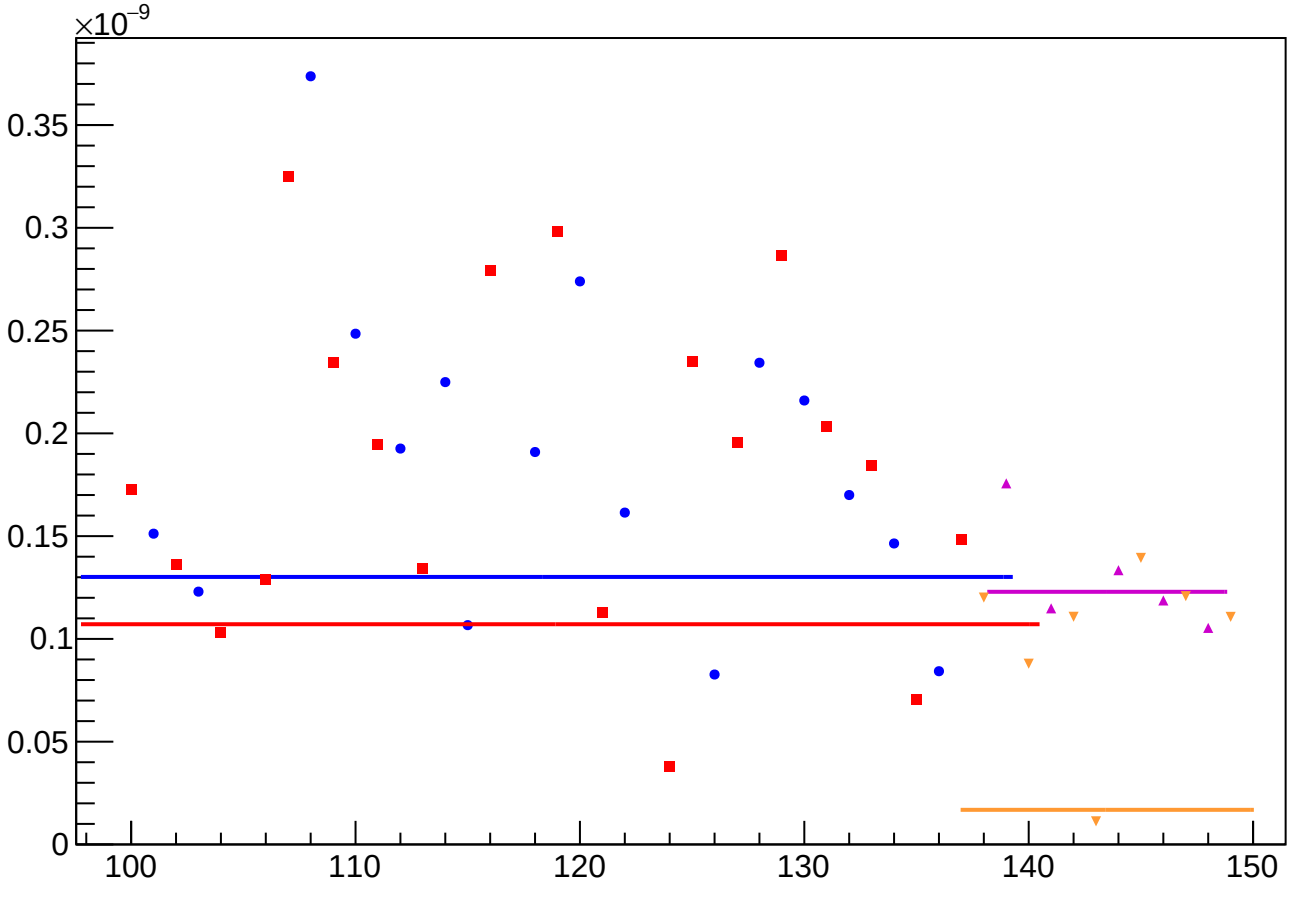
Left: 0.000+/-0.000 χ^2/NDF: 8.4/11

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:21.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4786083.4/6

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: 9128906.3/11

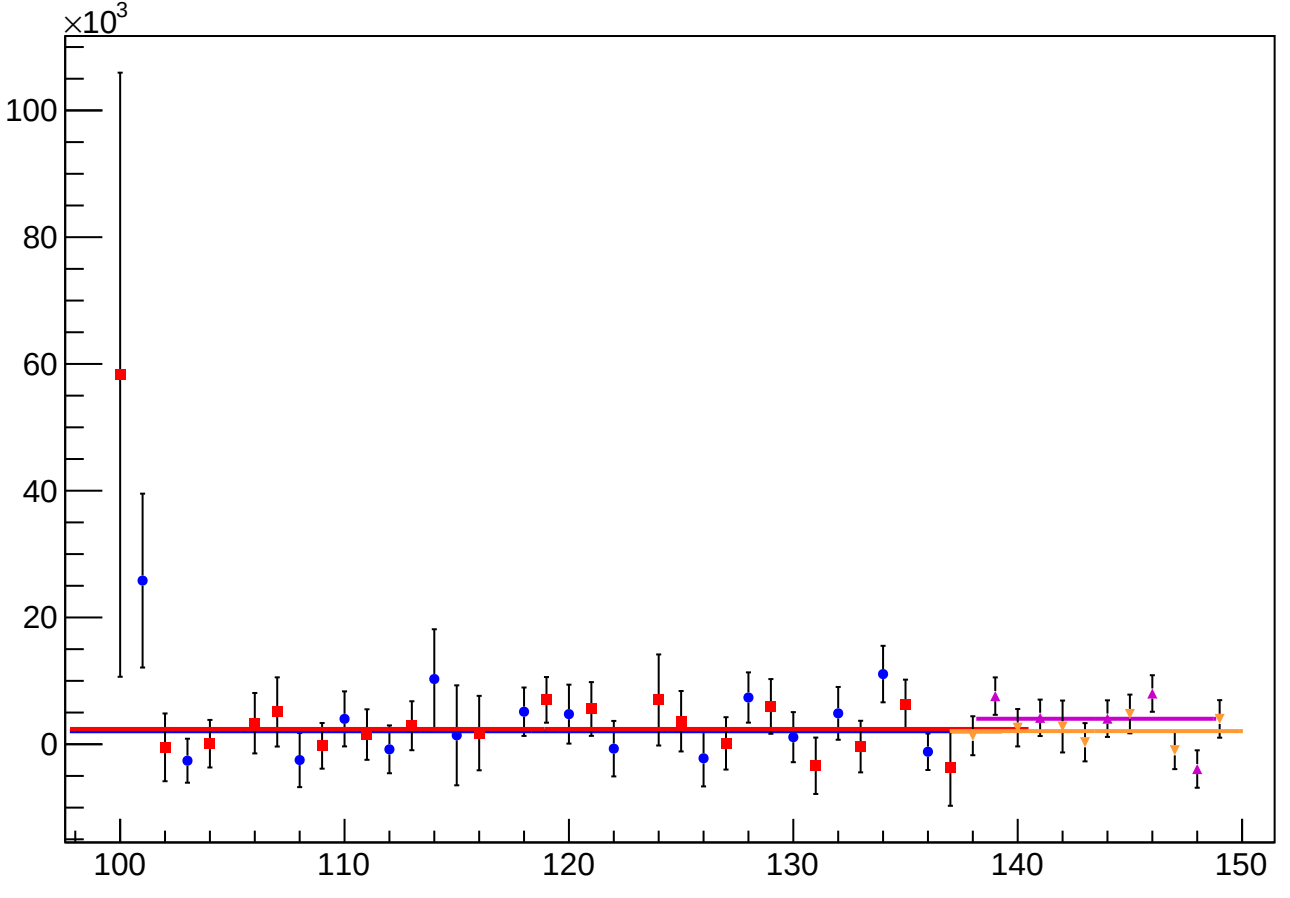
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1494899.4/20

Out: 0.000+/-0.000 χ^2/NDF:11839466.9/25

All: 0.000+/-0.000 χ^2/NDF: 21643836.9/46

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2071.791+/-1174.838 χ^2/NDF:2.7/6

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: 2945.867+/-872.055 χ^2/NDF: 14.5/11

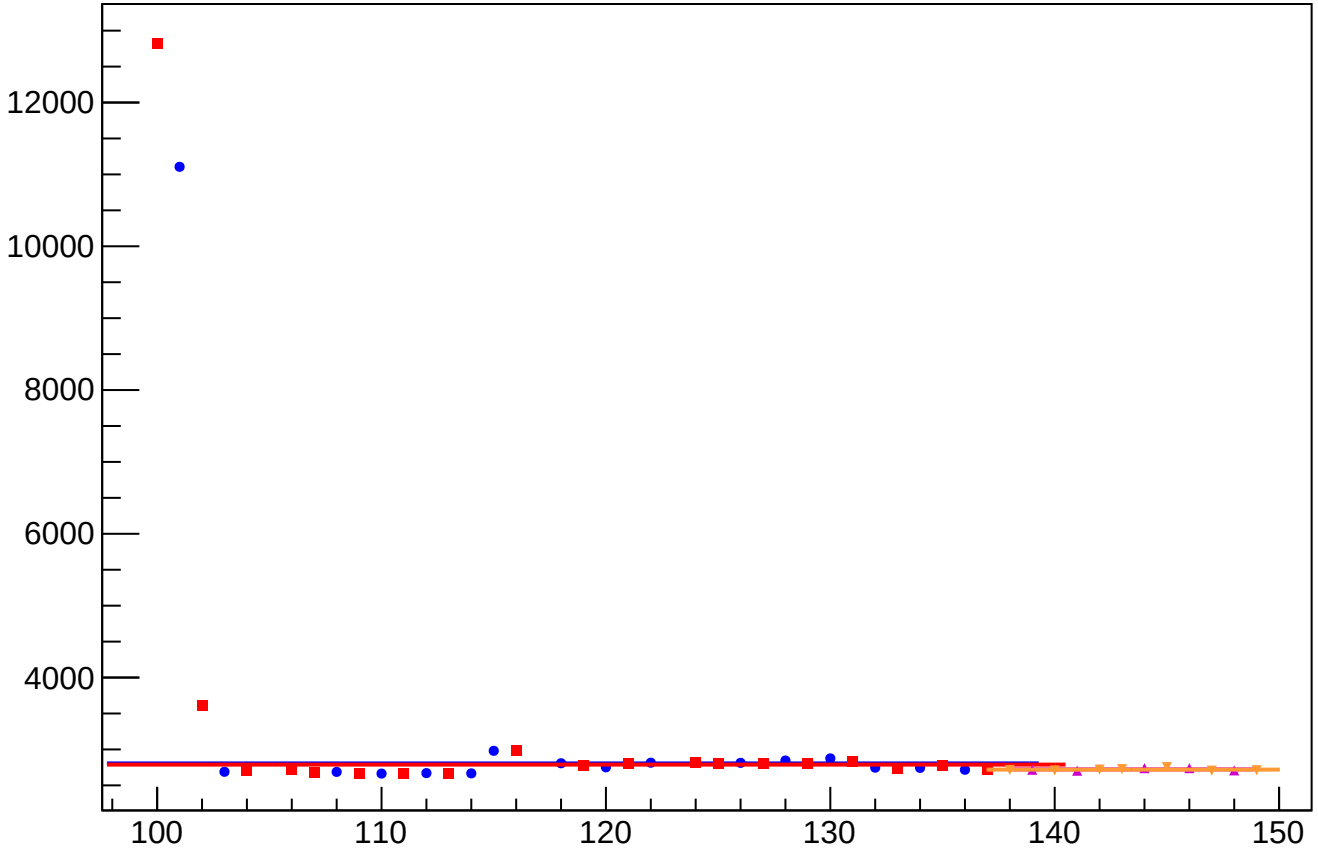
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2843.988+/-826.689 χ^2/NDF:29.7/20

Out: 2263.182+/-776.813 χ^2/NDF:13.5/25

All: 2535.537+/-566.101 χ^2/NDF: 43.5/46

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2719.138+/-0.831 χ^2/NDF:364.4/6

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

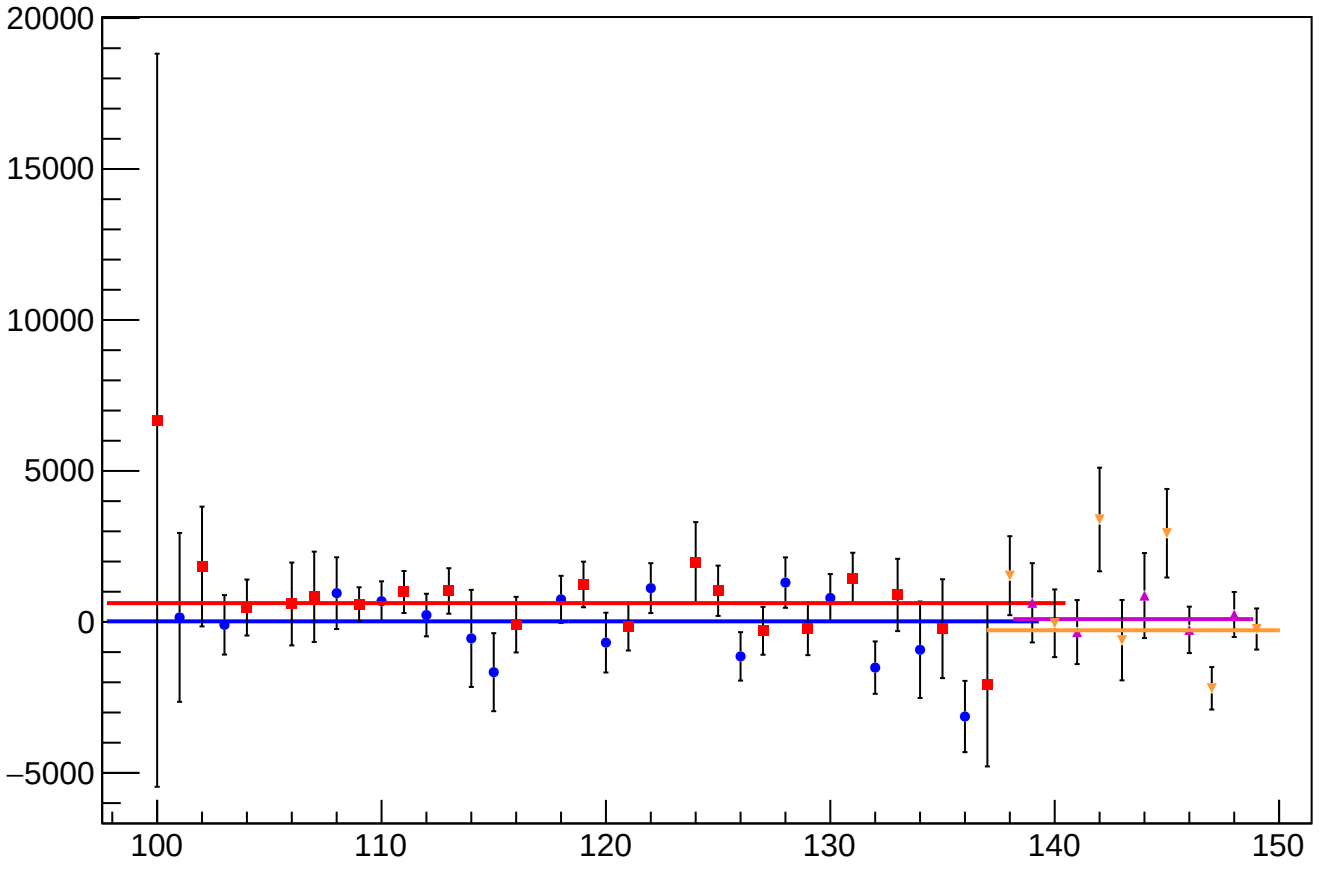
Left: 2720.488+/-0.617 χ^2/NDF: 641.6/11

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2771.832+/-0.585 χ^2/NDF:751399.7/20

Out: 2758.356+/-0.549 χ^2/NDF:151322.6/25

All: 2764.675+/-0.400 χ^2/NDF: 903004.5/46



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -276.364+/-379.907 χ^2/NDF:18.9/6

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 92.388+/-427.842 χ^2/NDF:0.9/4

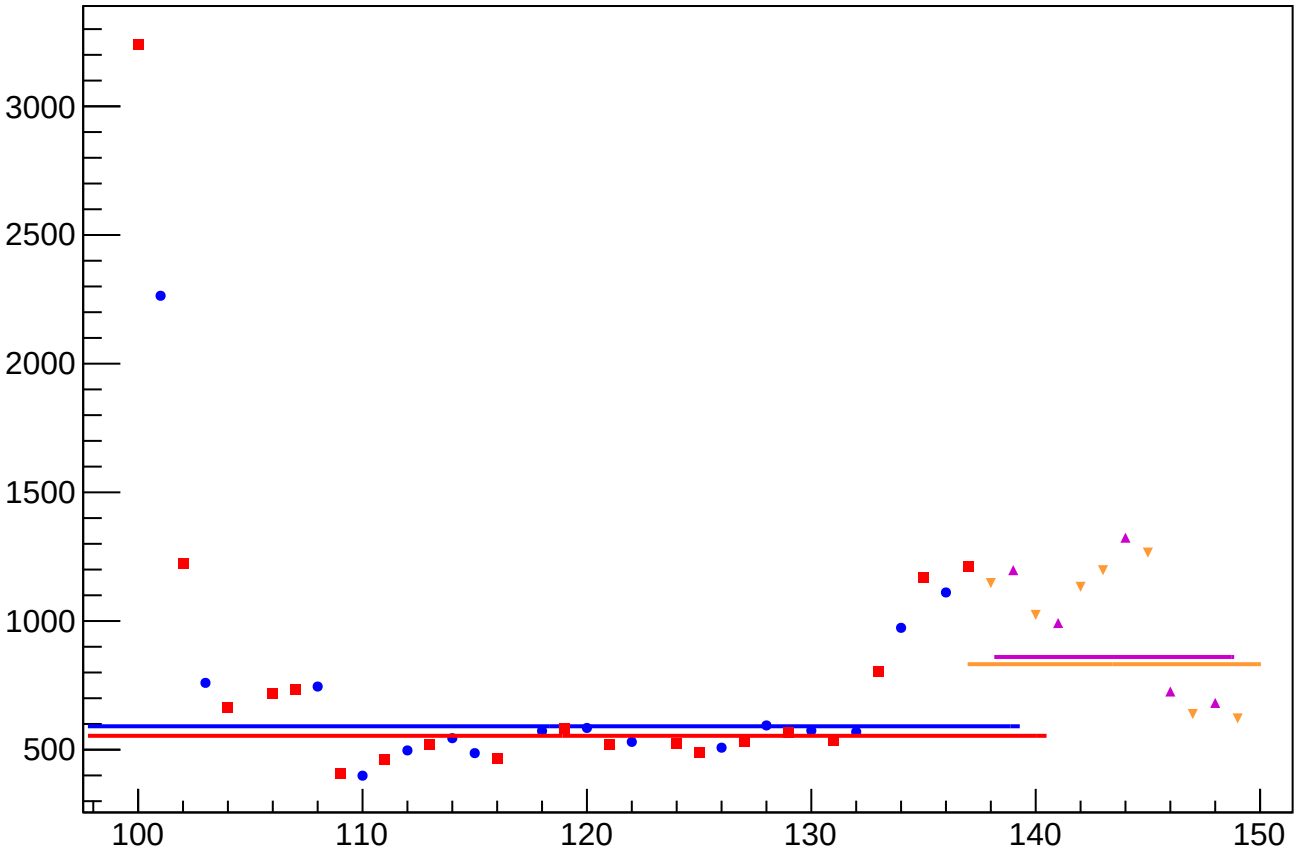
Left: -113.795+/-284.077 χ^2/NDF: 20.2/11

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 35.826+/-204.951 χ^2/NDF:23.7/20

Out: 403.454+/-187.738 χ^2/NDF:32.4/25

All: 235.723+/-138.437 χ^2/NDF: 57.8/46



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 832.319+/-0.269 χ^2/NDF:904529.0/6

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: 844.648+/-0.201 χ^2/NDF: 1464672.3/11

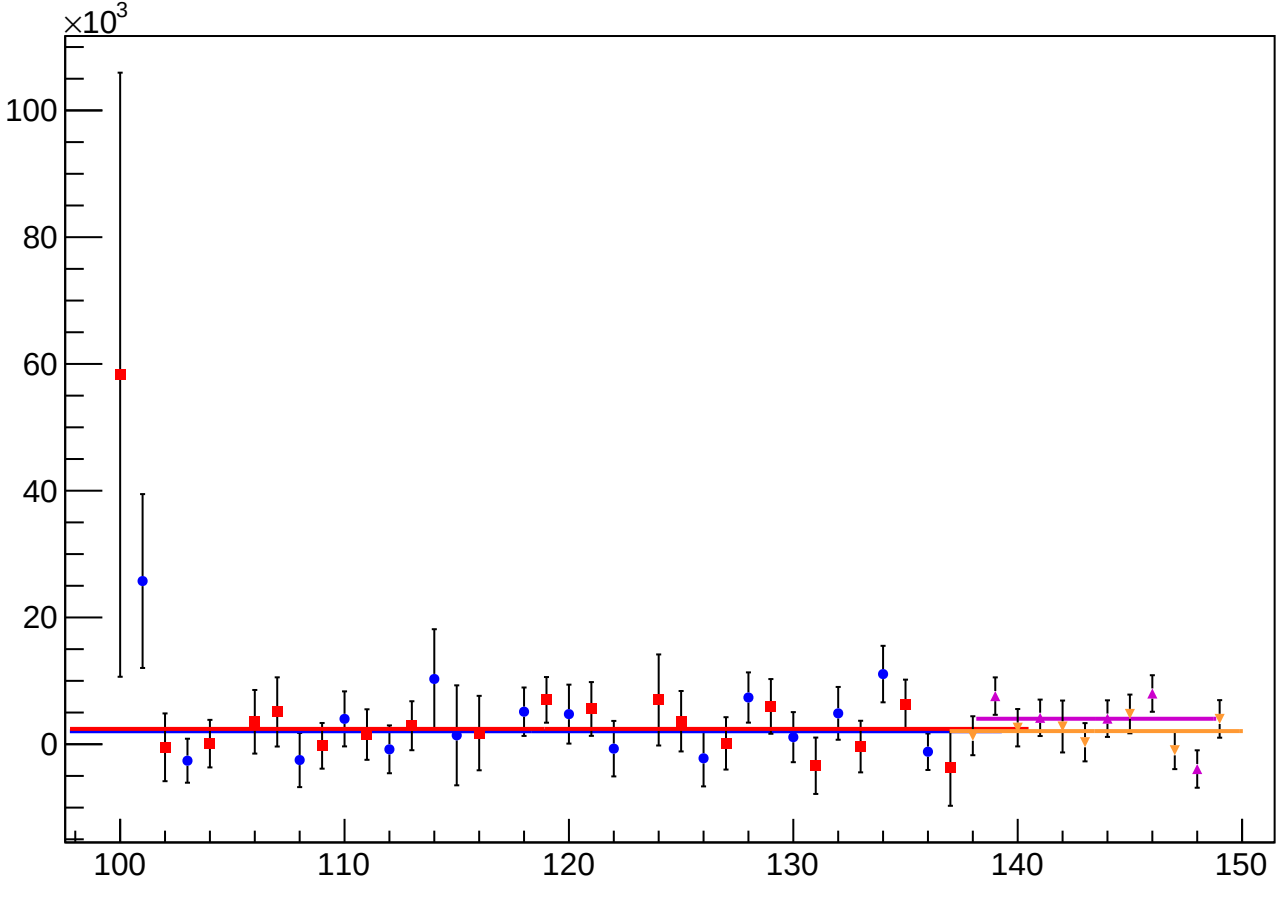
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 652.825+/-0.145 χ^2/NDF:2733329.3/20

Out: 621.952+/-0.133 χ^2/NDF:2832823.7/25

All: 636.038+/-0.098 χ^2/NDF: 5590829.7/46

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2071.746+/-1174.838 χ^2/NDF:2.7/6

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: 2945.915+/-872.055 χ^2/NDF: 14.5/11

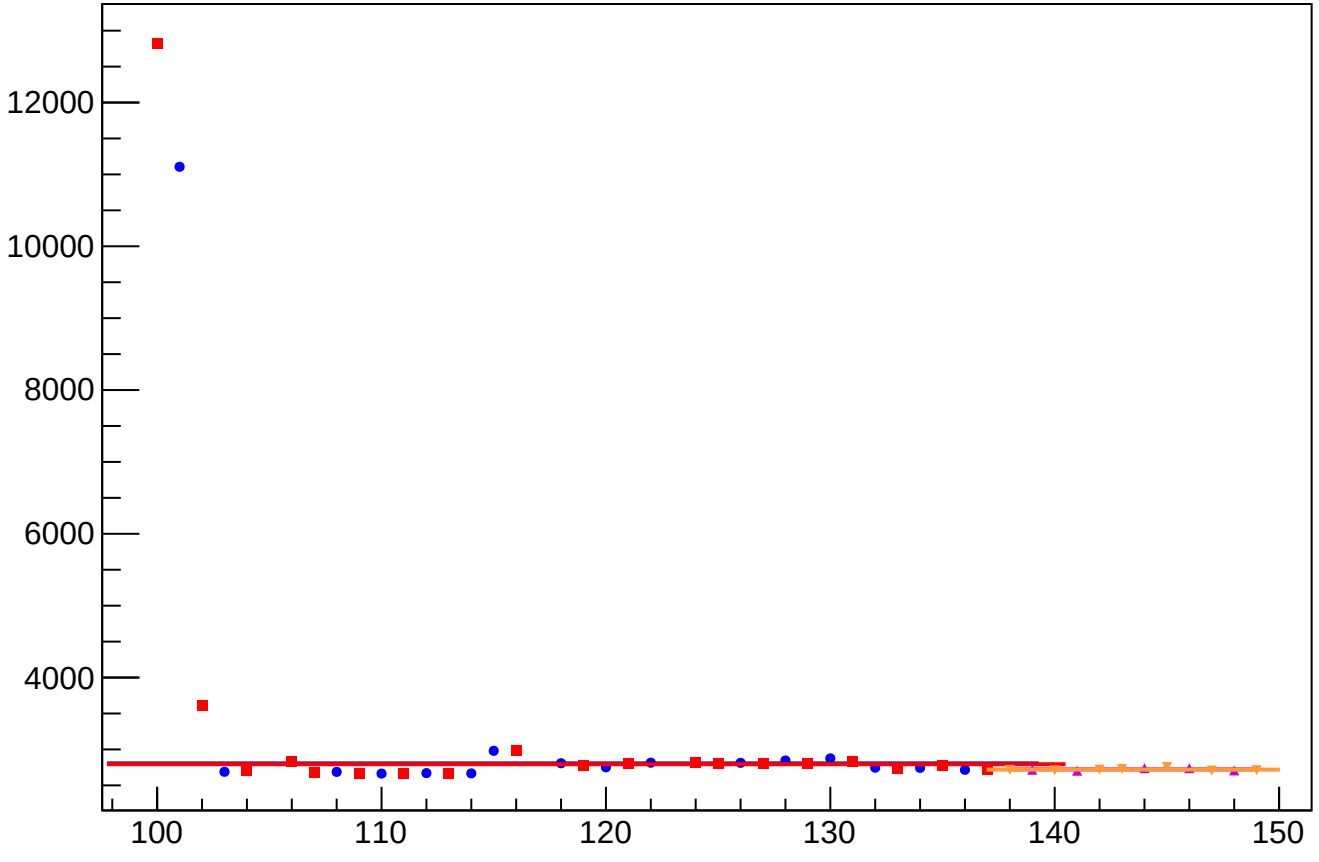
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2843.574+/-826.689 χ^2/NDF:29.7/20

Out: 2266.176+/-777.818 χ^2/NDF:13.5/25

All: 2537.304+/-566.490 χ^2/NDF: 43.5/46

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.138+/-0.831 χ^2/NDF:364.4/6

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

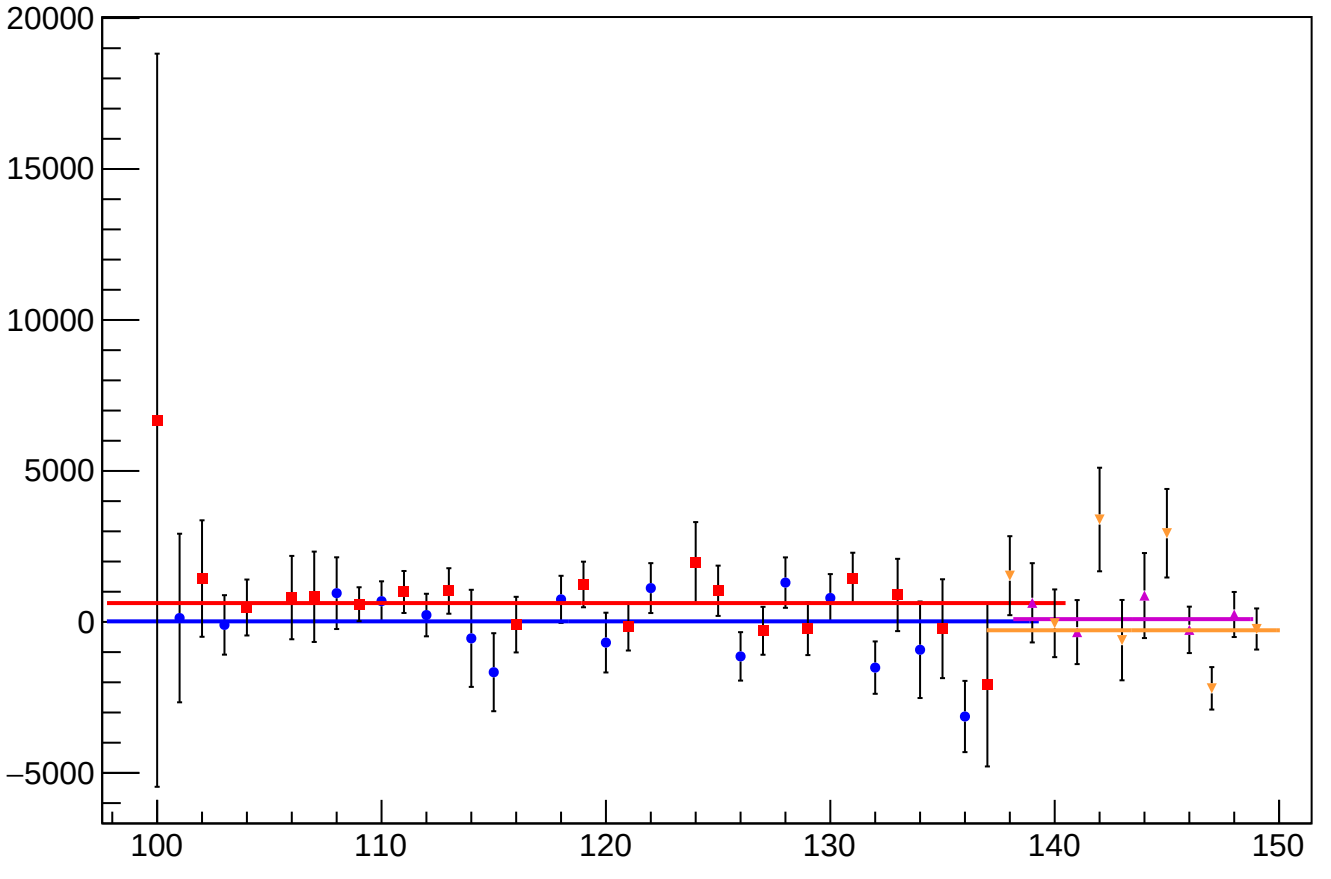
Left: 2720.488+/-0.617 χ^2/NDF: 641.6/11

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2771.832+/-0.585 χ^2/NDF:751398.8/20

Out: 2761.274+/-0.550 χ^2/NDF:151689.0/25

All: 2766.232+/-0.401 χ^2/NDF: 903260.9/46



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -276.451+/-379.903 χ^2/NDF:18.9/6

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 92.458+/-427.834 χ^2/NDF:0.9/4

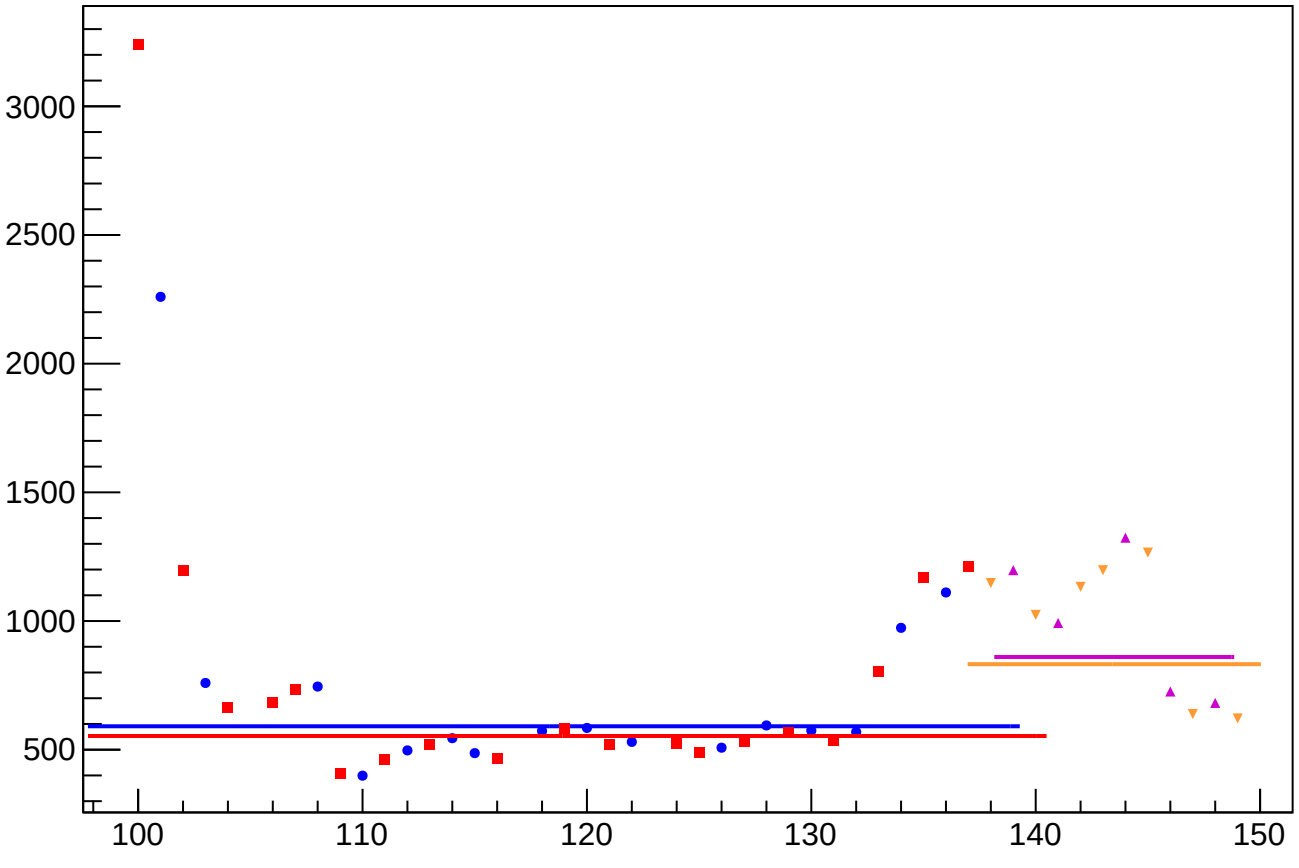
Left: -113.811+/-284.073 χ^2/NDF: 20.2/11

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 35.810+/-204.942 χ^2/NDF:23.7/20

Out: 404.340+/-187.707 χ^2/NDF:32.2/25

All: 236.220+/-138.422 χ^2/NDF: 57.7/46



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 832.308+/-0.269 χ^2/NDF:904542.6/6

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 860.263+/-0.303 χ^2/NDF:555437.8/4

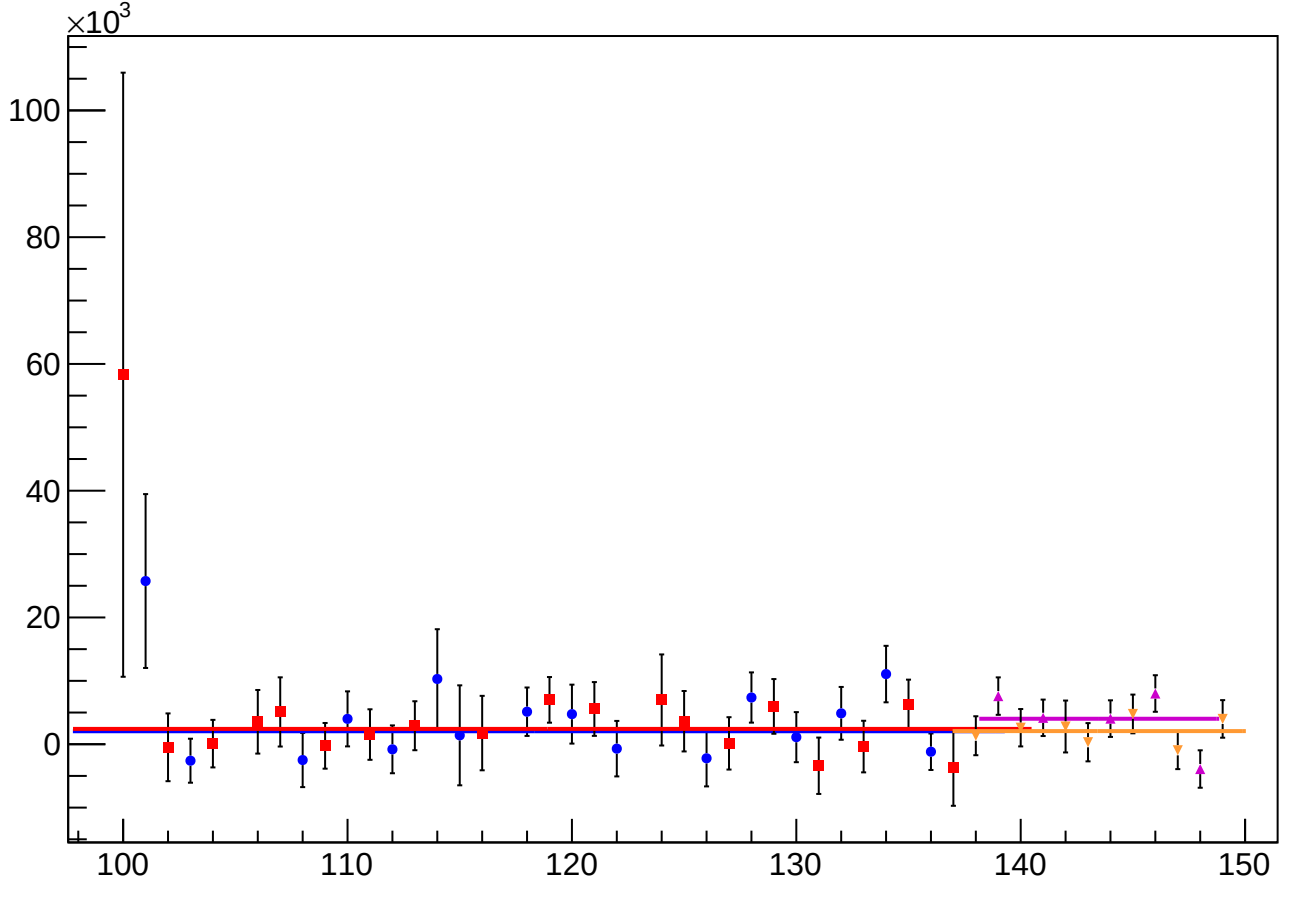
Left: 844.632+/-0.201 χ^2/NDF: 1464754.9/11

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 652.816+/-0.145 χ^2/NDF:2732313.2/20

Out: 621.362+/-0.133 χ^2/NDF:2821976.3/25

All: 635.711+/-0.098 χ^2/NDF: 5579908.1/46



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2071.746+/-1174.838 χ^2/NDF:2.7/6

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: 2945.915+/-872.055 χ^2/NDF: 14.5/11

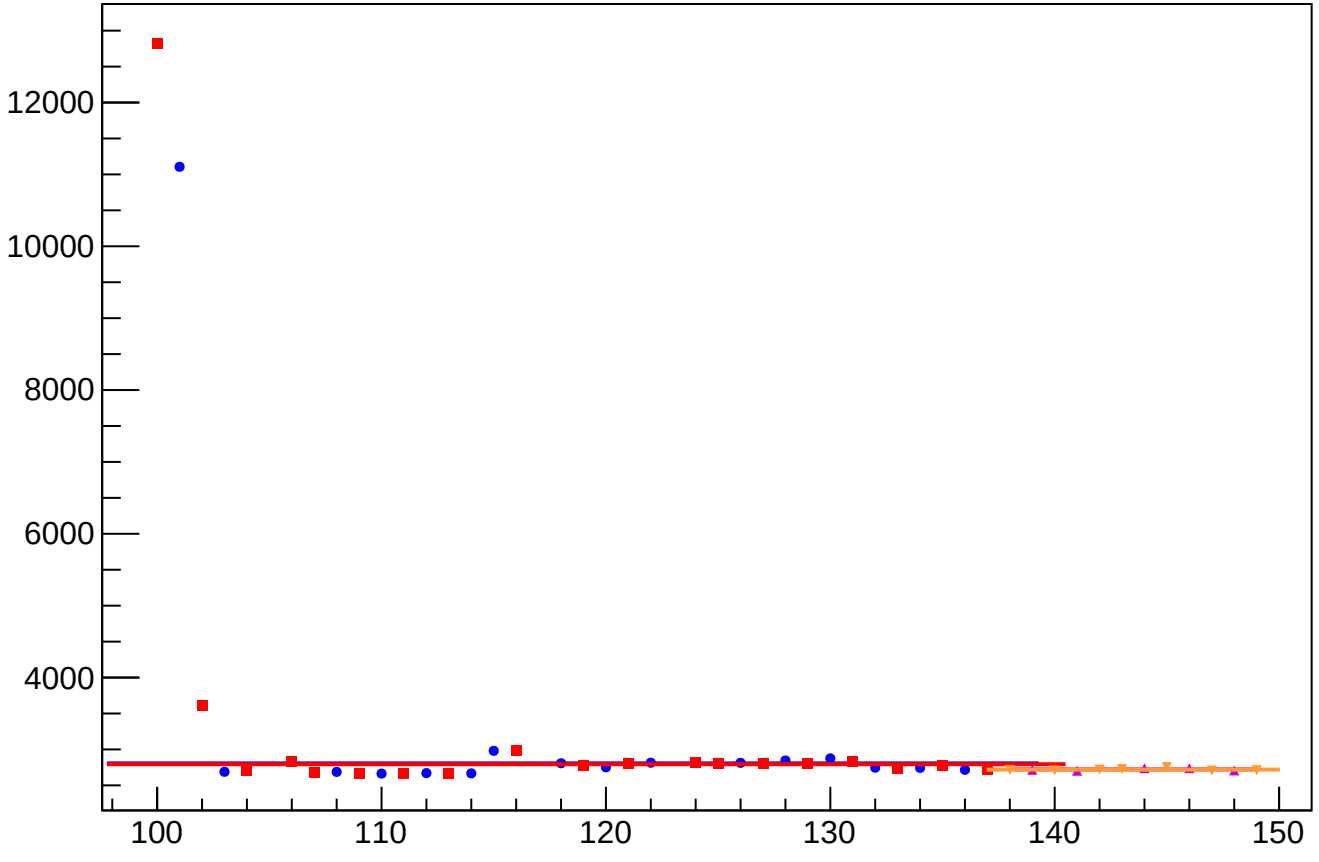
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2843.574+/-826.689 χ^2/NDF:29.7/20

Out: 2266.176+/-777.818 χ^2/NDF:13.5/25

All: 2537.304+/-566.490 χ^2/NDF: 43.5/46

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.138+/-0.831 χ^2/NDF:364.4/6

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2722.144+/-0.920 χ^2/NDF:271.3/4

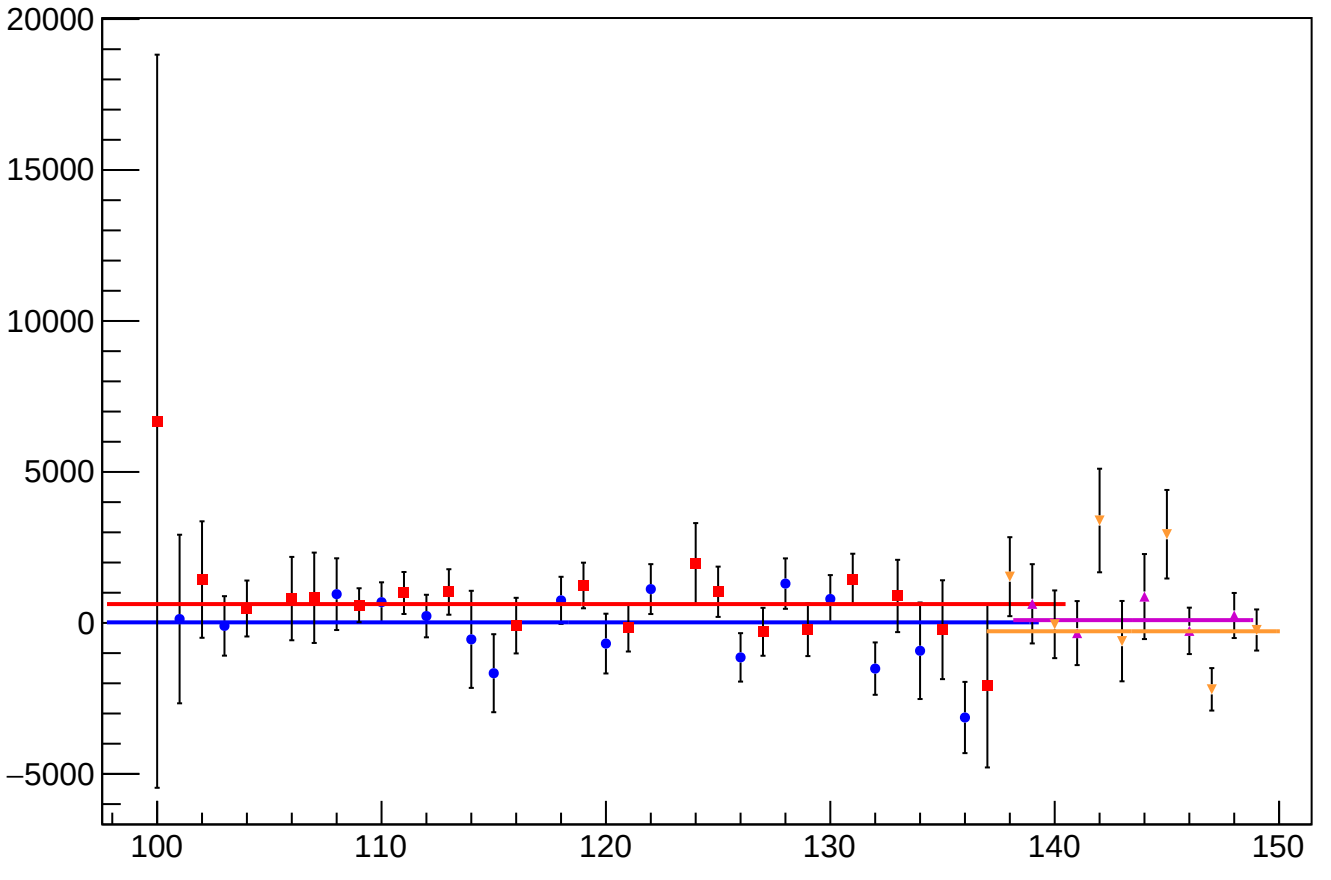
Left: 2720.488+/-0.617 χ^2/NDF: 641.6/11

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2771.832+/-0.585 χ^2/NDF:751398.8/20

Out: 2761.274+/-0.550 χ^2/NDF:151689.0/25

All: 2766.232+/-0.401 χ^2/NDF: 903260.9/46



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -276.451+/-379.903 χ^2/NDF:18.9/6

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 92.458+/-427.834 χ^2/NDF:0.9/4

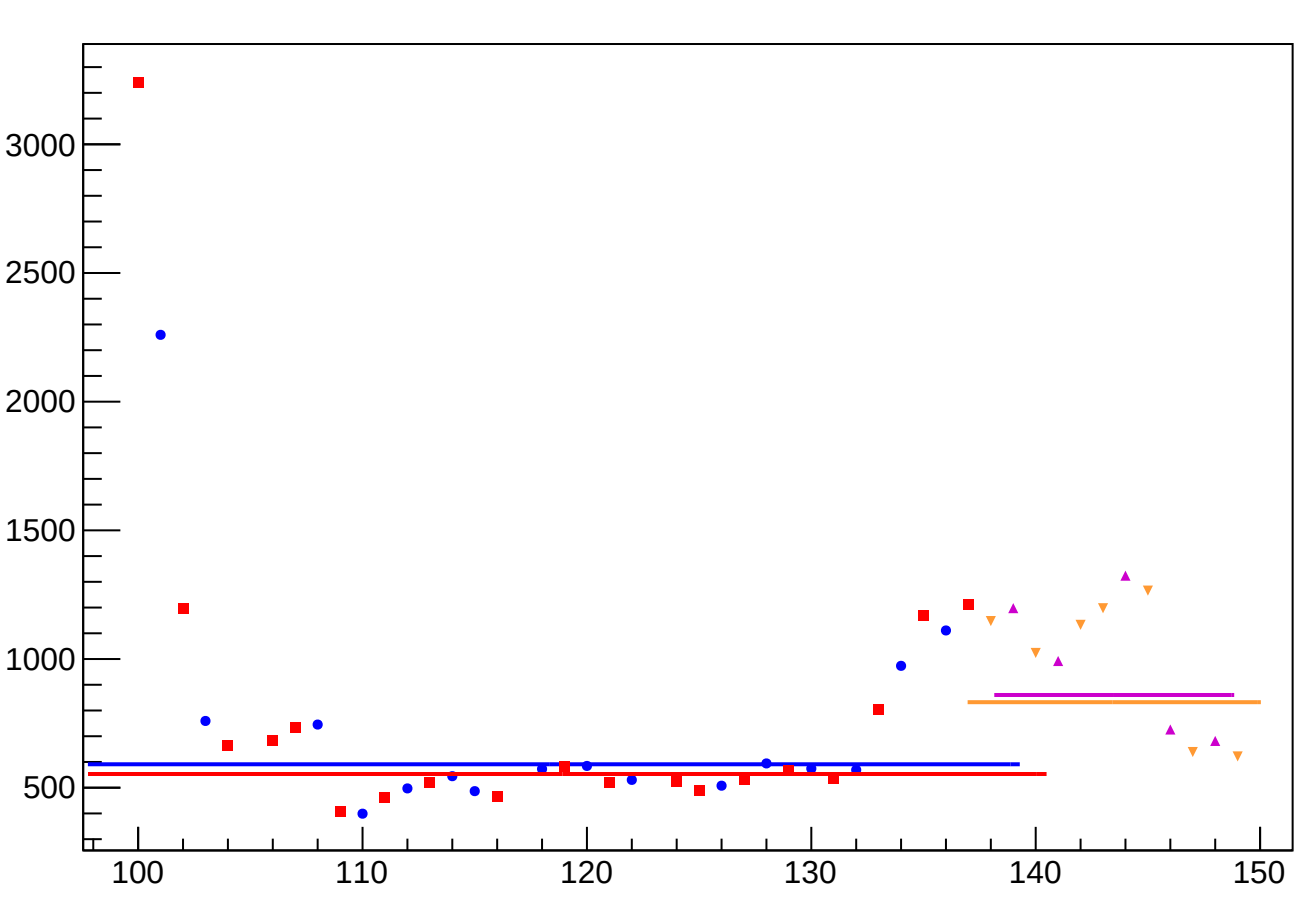
Left: -113.811+/-284.073 χ^2/NDF: 20.2/11

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 35.810+/-204.942 χ^2/NDF:23.7/20

Out: 404.340+/-187.707 χ^2/NDF:32.2/25

All: 236.220+/-138.422 χ^2/NDF: 57.7/46



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 832.308+/-0.269 χ^2/NDF:904542.6/6

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: 844.632+/-0.201 χ^2/NDF: 1464754.9/11

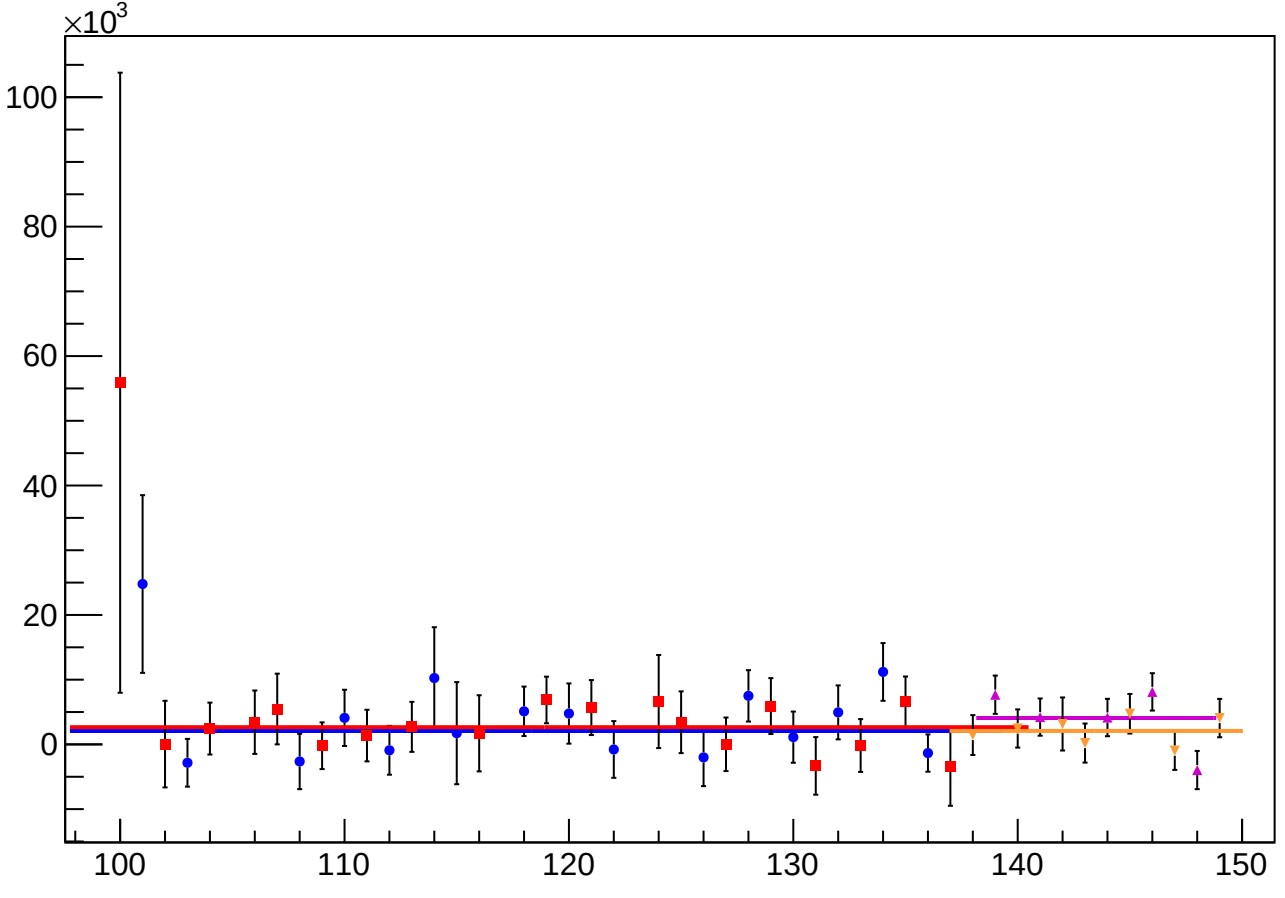
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 652.816+/-0.145 χ^2/NDF:2732313.2/20

Out: 621.362+/-0.133 χ^2/NDF:2821976.3/25

All: 635.711+/-0.098 χ^2/NDF: 5579908.1/46

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2081.026+/-1175.793 χ^2/NDF:2.8/6

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: 2978.205+/-872.766 χ^2/NDF: 14.9/11

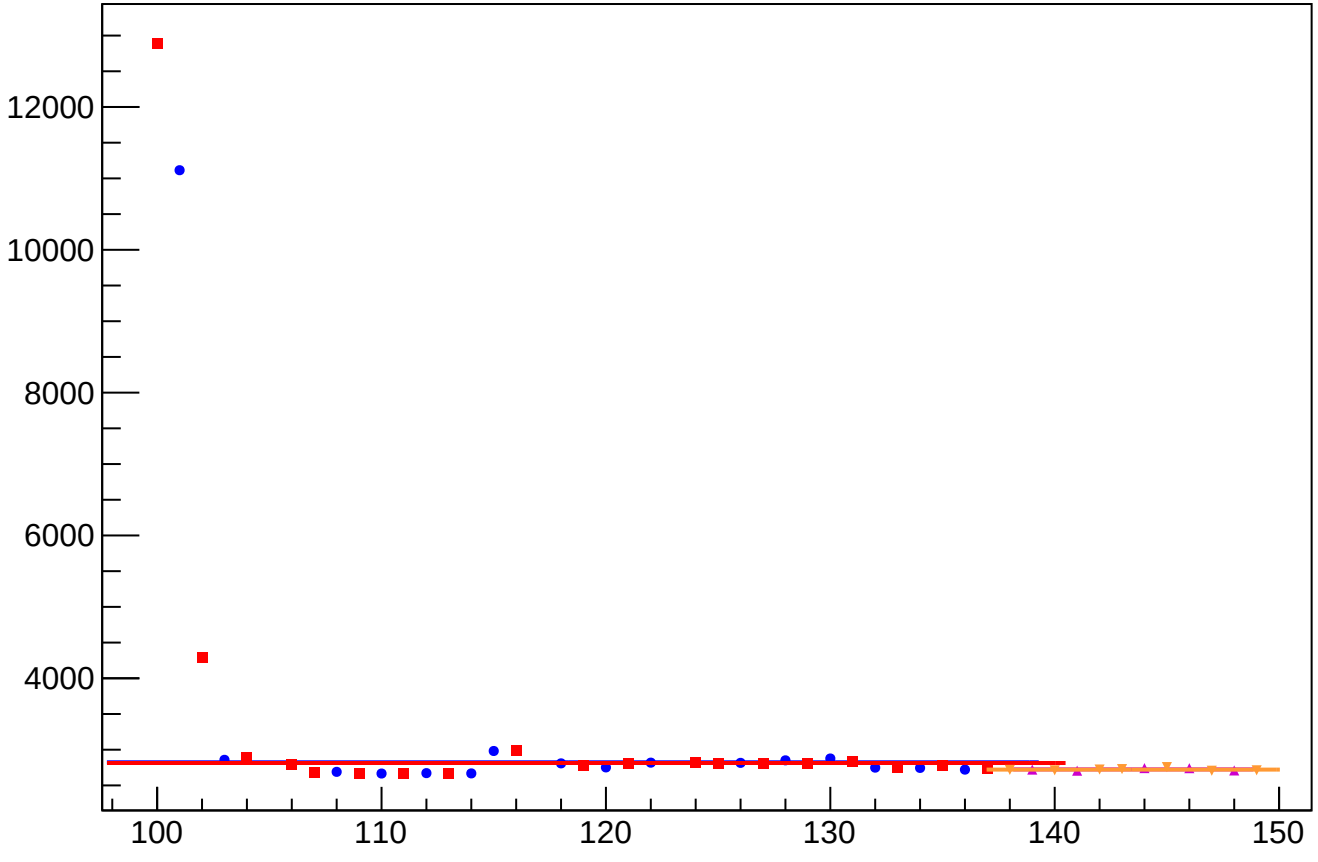
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2888.871+/-830.078 χ^2/NDF:30.1/20

Out: 2401.665+/-783.119 χ^2/NDF:12.8/25

All: 2631.098+/-569.627 χ^2/NDF: 43.1/46

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.343+/-0.831 χ^2/NDF:381.7/6

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: 2722.690+/-0.617 χ^2/NDF: 667.0/11

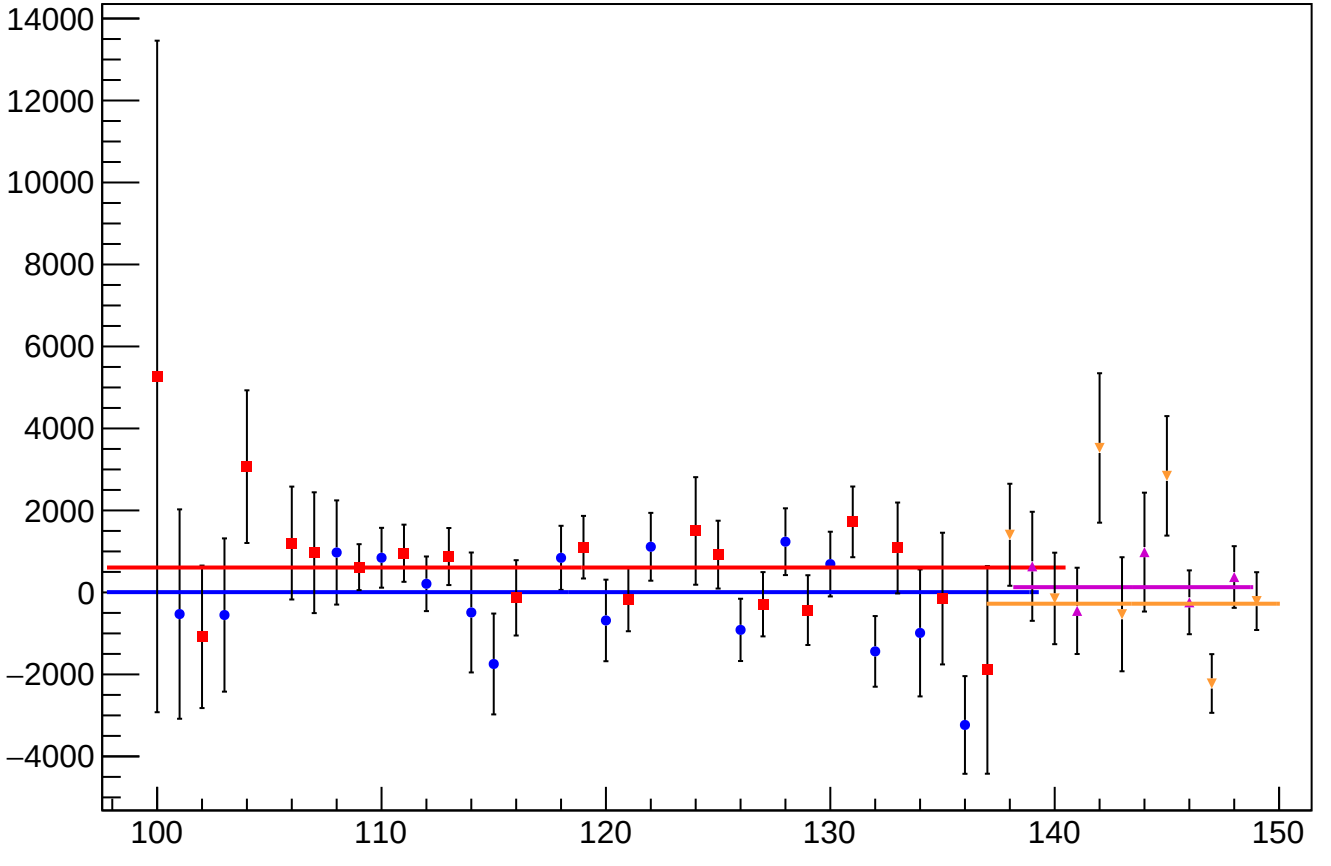
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2783.194+/-0.587 χ^2/NDF:751071.8/20

Out: 2772.798+/-0.554 χ^2/NDF:207777.5/25

All: 2777.694+/-0.403 χ^2/NDF: 959015.3/46

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -275.450+/-386.361 χ^2/NDF:18.2/6

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: -95.876+/-287.966 χ^2/NDF: 19.8/11

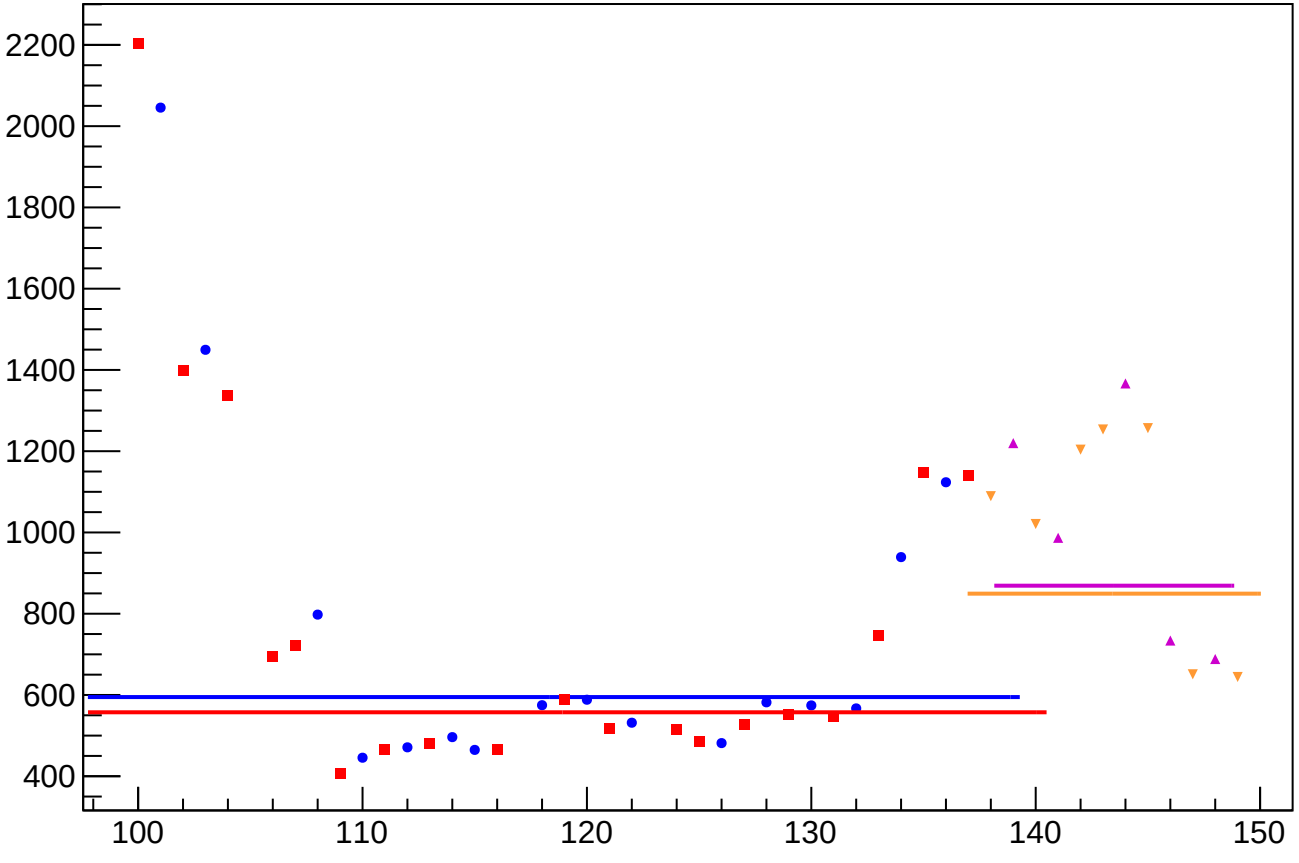
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 35.248+/-208.083 χ^2/NDF:24.0/20

Out: 395.737+/-189.262 χ^2/NDF:34.3/25

All: 232.530+/-140.011 χ^2/NDF: 60.0/46

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 849.370+/-0.273 χ^2/NDF:844983.0/6

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 868.989+/-0.305 χ^2/NDF:575217.9/4

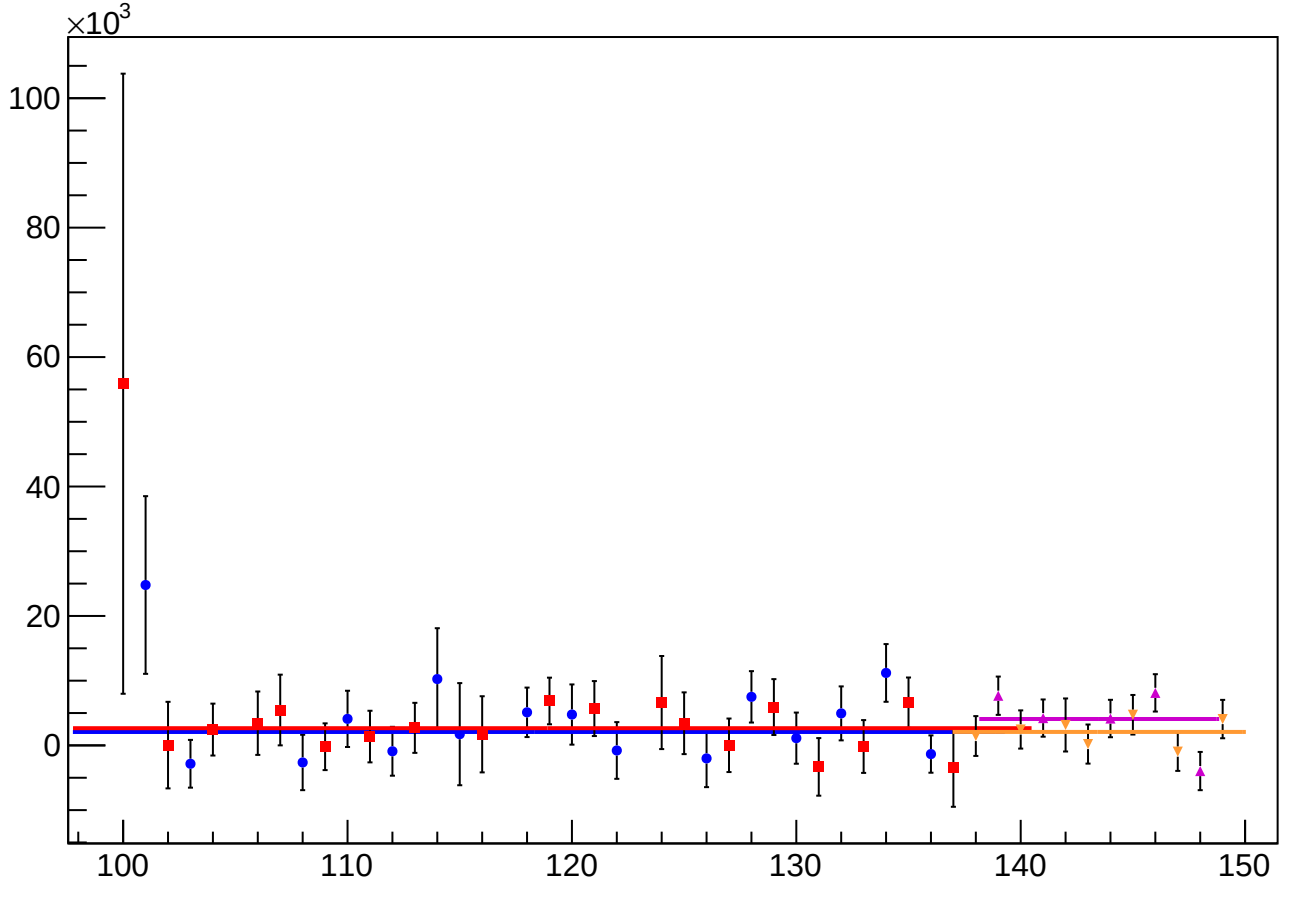
Left: 858.091+/-0.204 χ^2/NDF: 1422493.1/11

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 658.480+/-0.147 χ^2/NDF:3046511.8/20

Out: 627.459+/-0.134 χ^2/NDF:3344382.6/25

All: 641.504+/-0.099 χ^2/NDF: 6415219.3/46



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2081.027+/-1175.793 χ^2/NDF:2.8/6

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: 2978.207+/-872.766 χ^2/NDF: 14.9/11

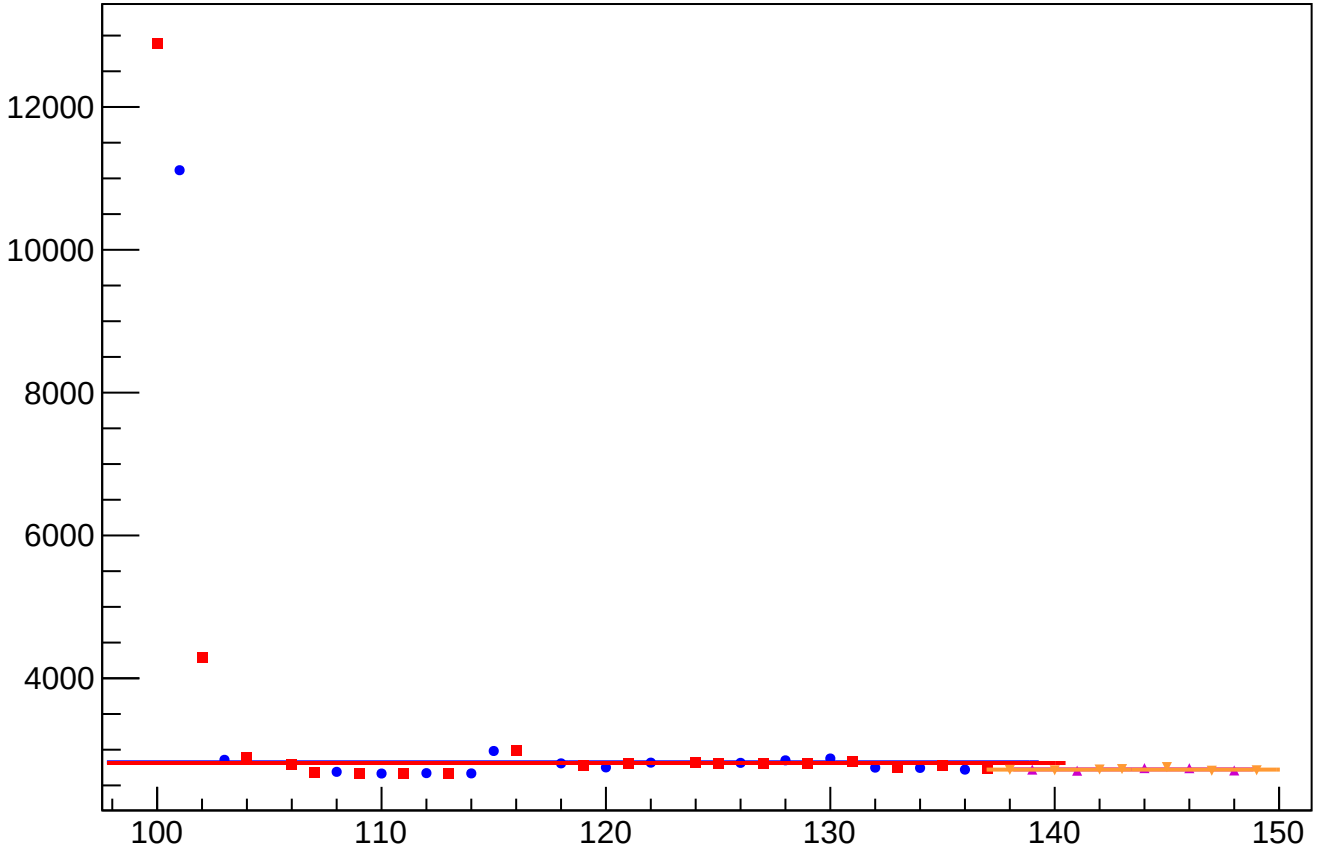
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2888.871+/-830.078 χ^2/NDF:30.1/20

Out: 2401.665+/-783.119 χ^2/NDF:12.8/25

All: 2631.097+/-569.627 χ^2/NDF: 43.1/46

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.343+/-0.831 χ^2/NDF:381.7/6

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: 2722.690+/-0.617 χ^2/NDF: 667.0/11

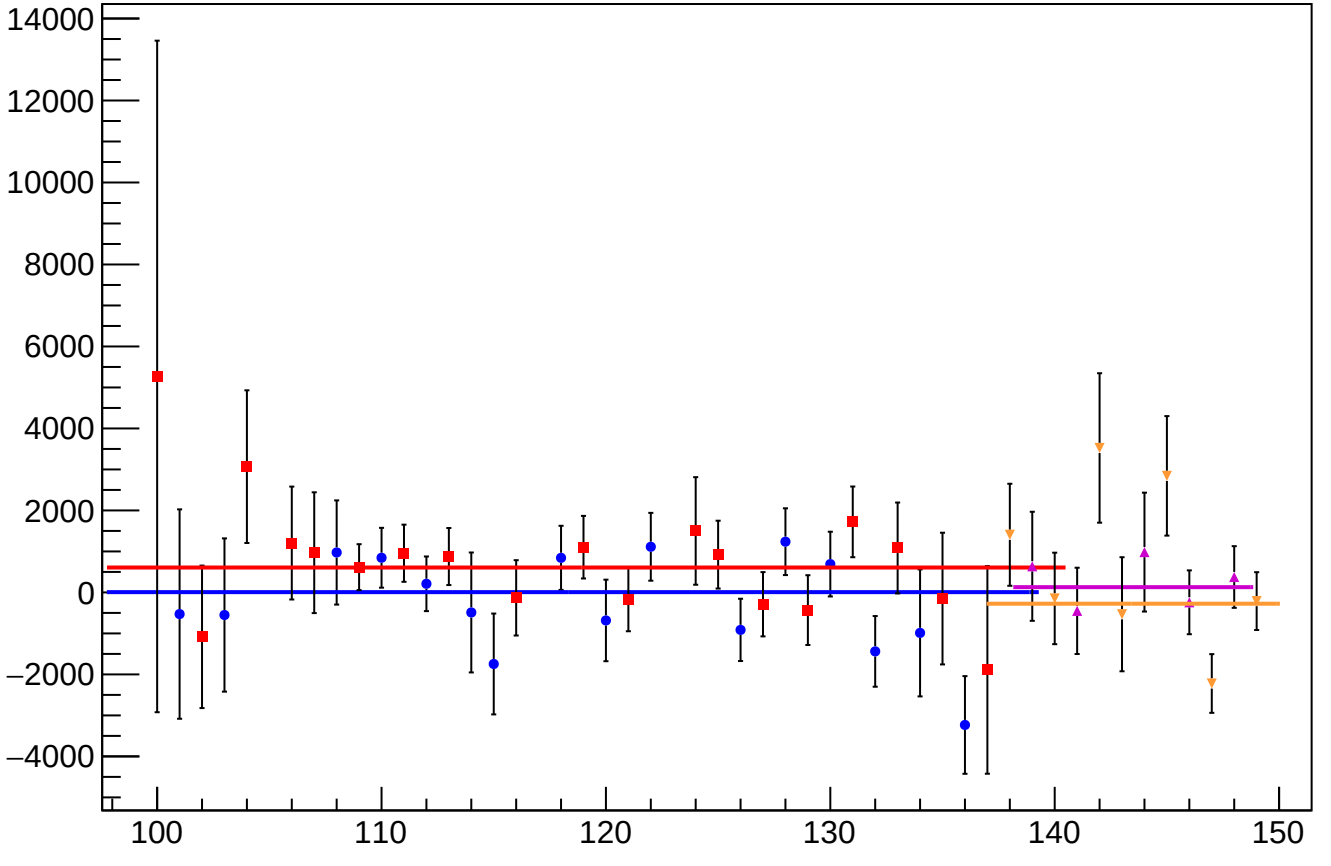
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2783.194+/-0.587 χ^2/NDF:751071.8/20

Out: 2772.798+/-0.554 χ^2/NDF:207777.3/25

All: 2777.694+/-0.403 χ^2/NDF: 959015.0/46

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -275.450+/-386.361 χ^2/NDF:18.2/6

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 128.554+/-431.928 χ^2/NDF:1.1/4

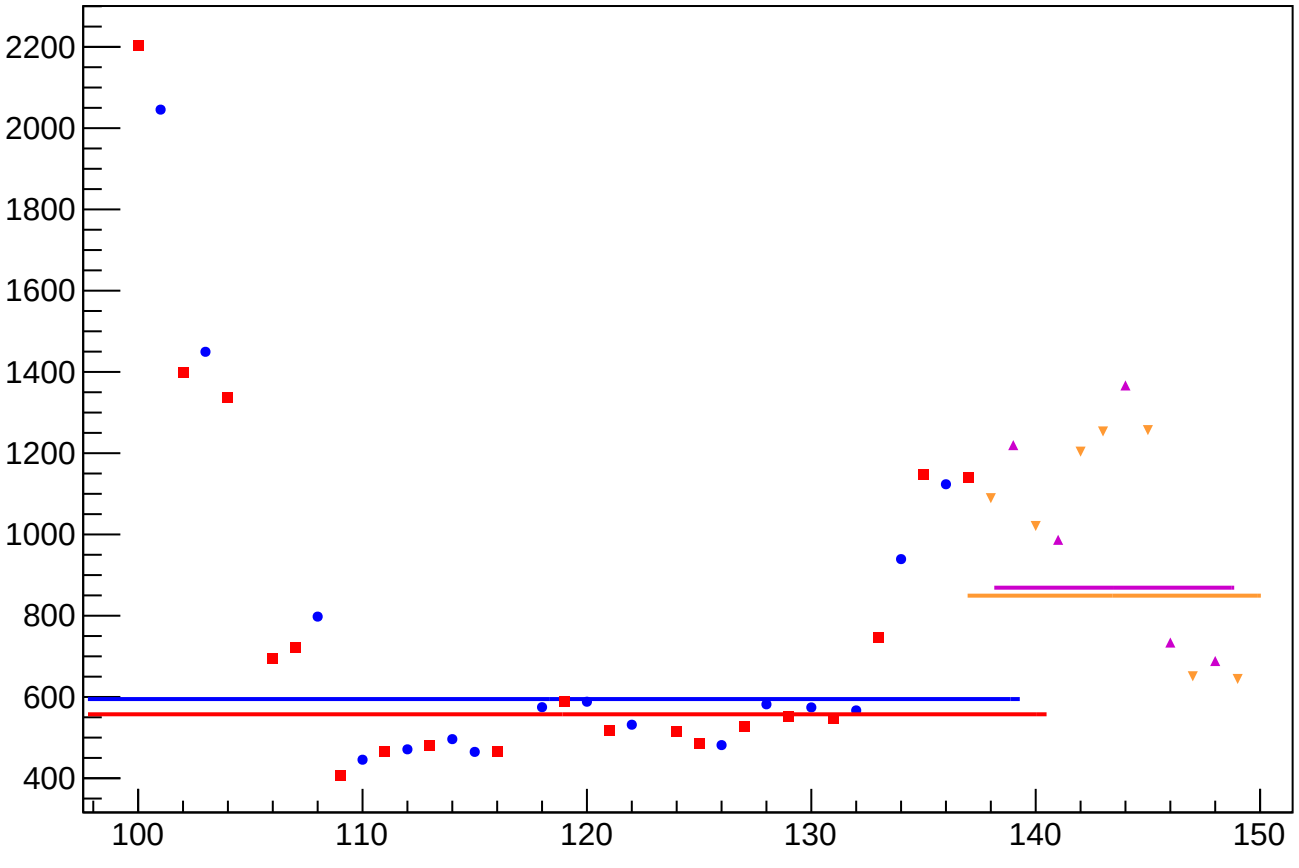
Left: -95.876+/-287.966 χ^2/NDF: 19.8/11

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 35.248+/-208.083 χ^2/NDF:24.0/20

Out: 395.737+/-189.262 χ^2/NDF:34.3/25

All: 232.530+/-140.011 χ^2/NDF: 60.0/46



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 849.371+/-0.273 χ^2/NDF:844984.0/6

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: 858.091+/-0.204 χ^2/NDF: 1422494.2/11

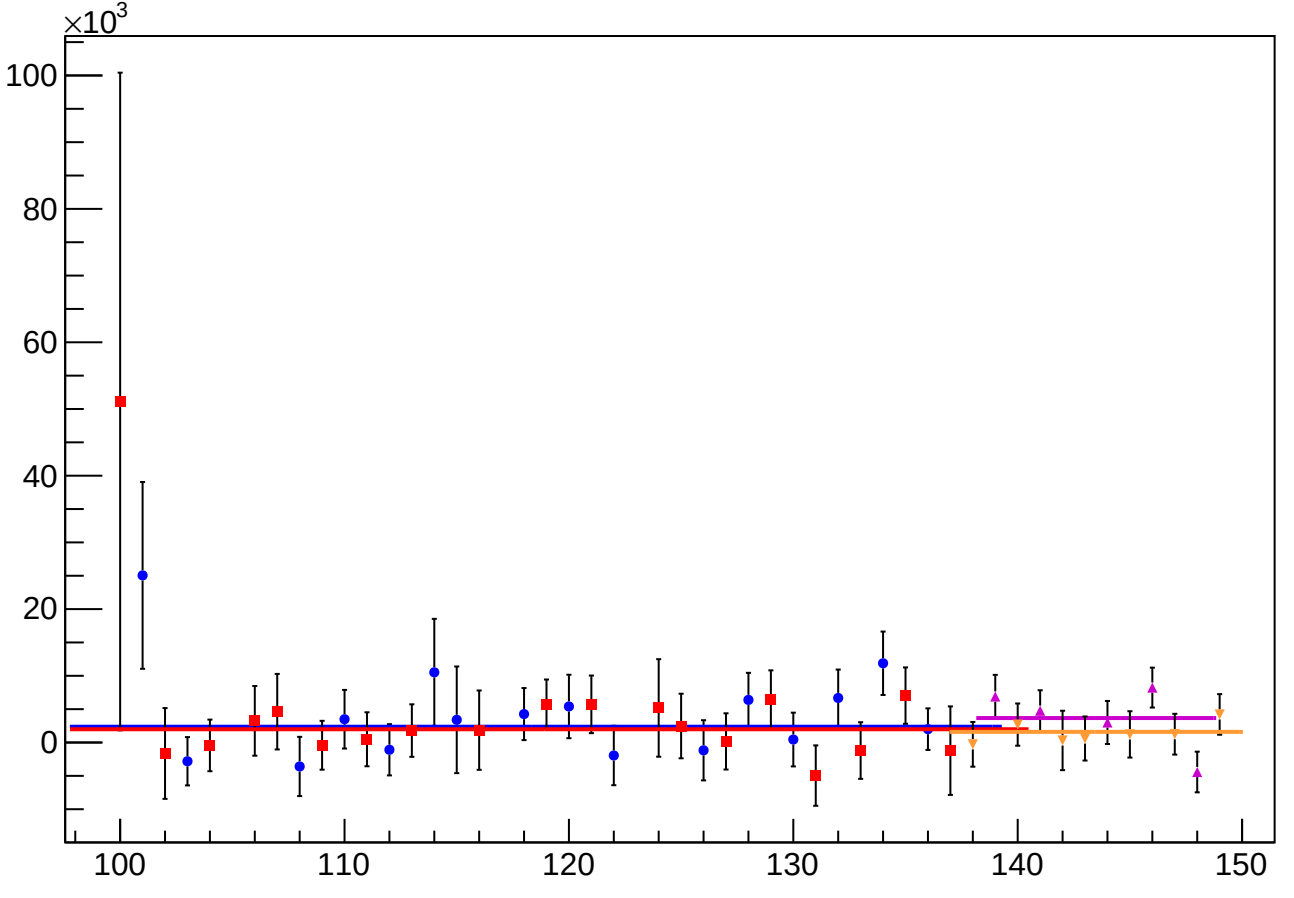
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 658.481+/-0.147 χ^2/NDF:3046506.1/20

Out: 627.460+/-0.134 χ^2/NDF:3344381.7/25

All: 641.504+/-0.099 χ^2/NDF: 6415213.2/46

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1596.214+/-1261.018 χ^2/NDF:1.4/6

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: 2529.466+/-934.485 χ^2/NDF: 13.1/11

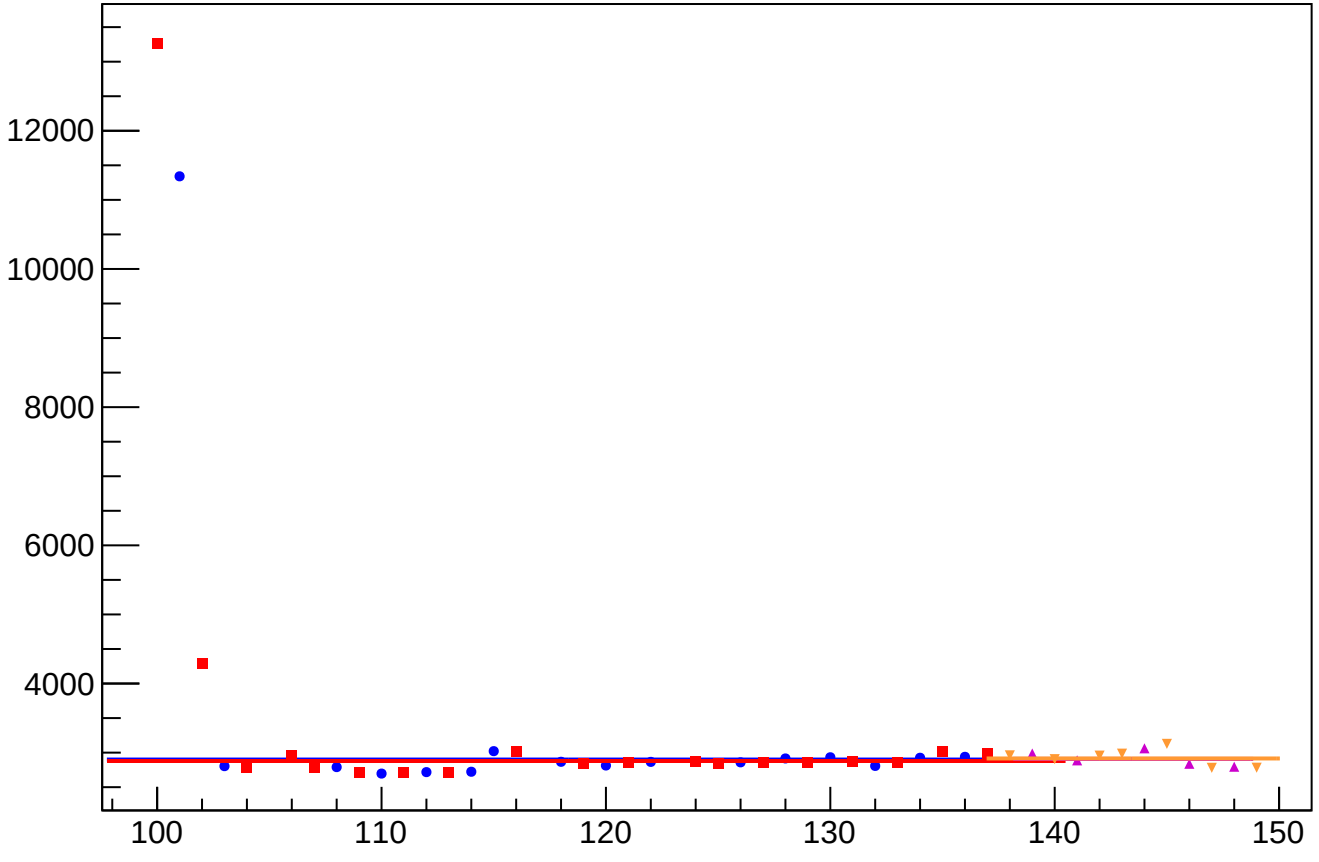
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2870.129+/-865.981 χ^2/NDF:27.9/20

Out: 1822.497+/-818.217 χ^2/NDF:11.7/25

All: 2316.626+/-594.736 χ^2/NDF: 40.4/46

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2915.438+/-0.892 χ^2/NDF:16624.0/6

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2908.986+/-0.984 χ^2/NDF:9618.3/4

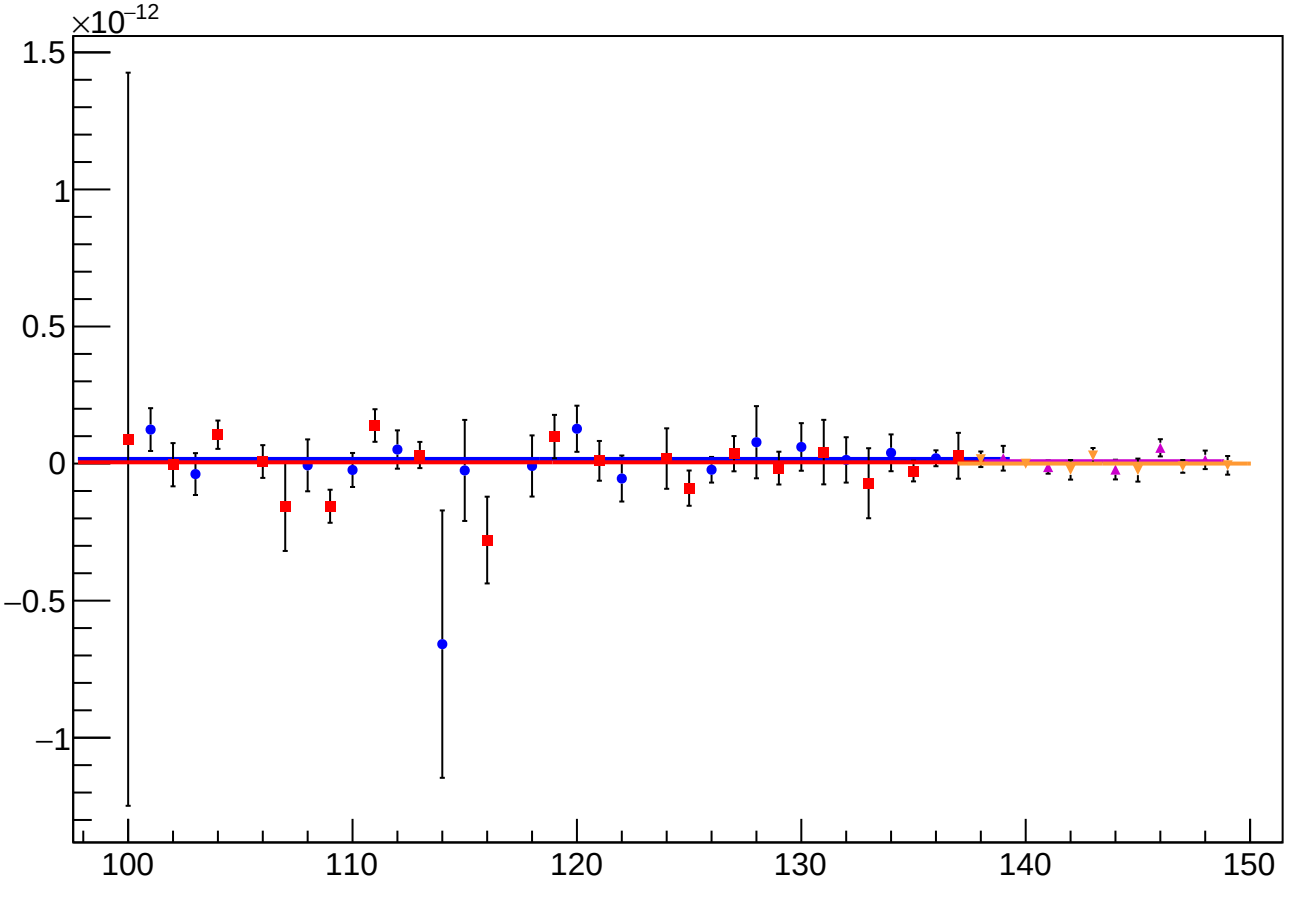
Left: 2912.530+/-0.661 χ^2/NDF: 26266.0/11

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2903.373+/-0.612 χ^2/NDF:751489.6/20

Out: 2894.316+/-0.579 χ^2/NDF:210875.7/25

All: 2898.588+/-0.421 χ^2/NDF: 962480.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/4

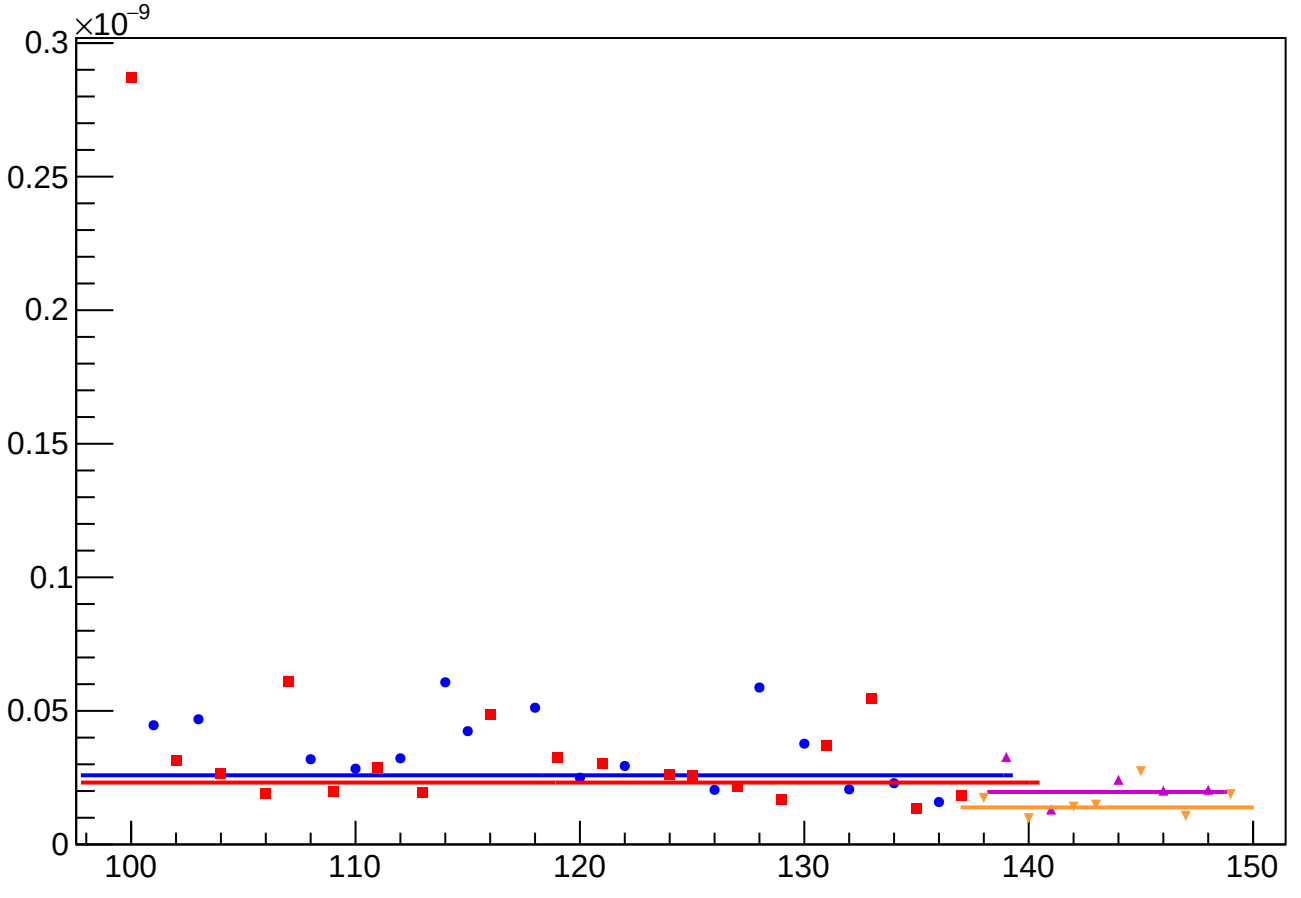
Left: 0.000+/-0.000 χ^2/NDF: 6.6/11

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:28.2/25

All: 0.000+/-0.000 χ^2/NDF: 41.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:419065.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:349047.4/4

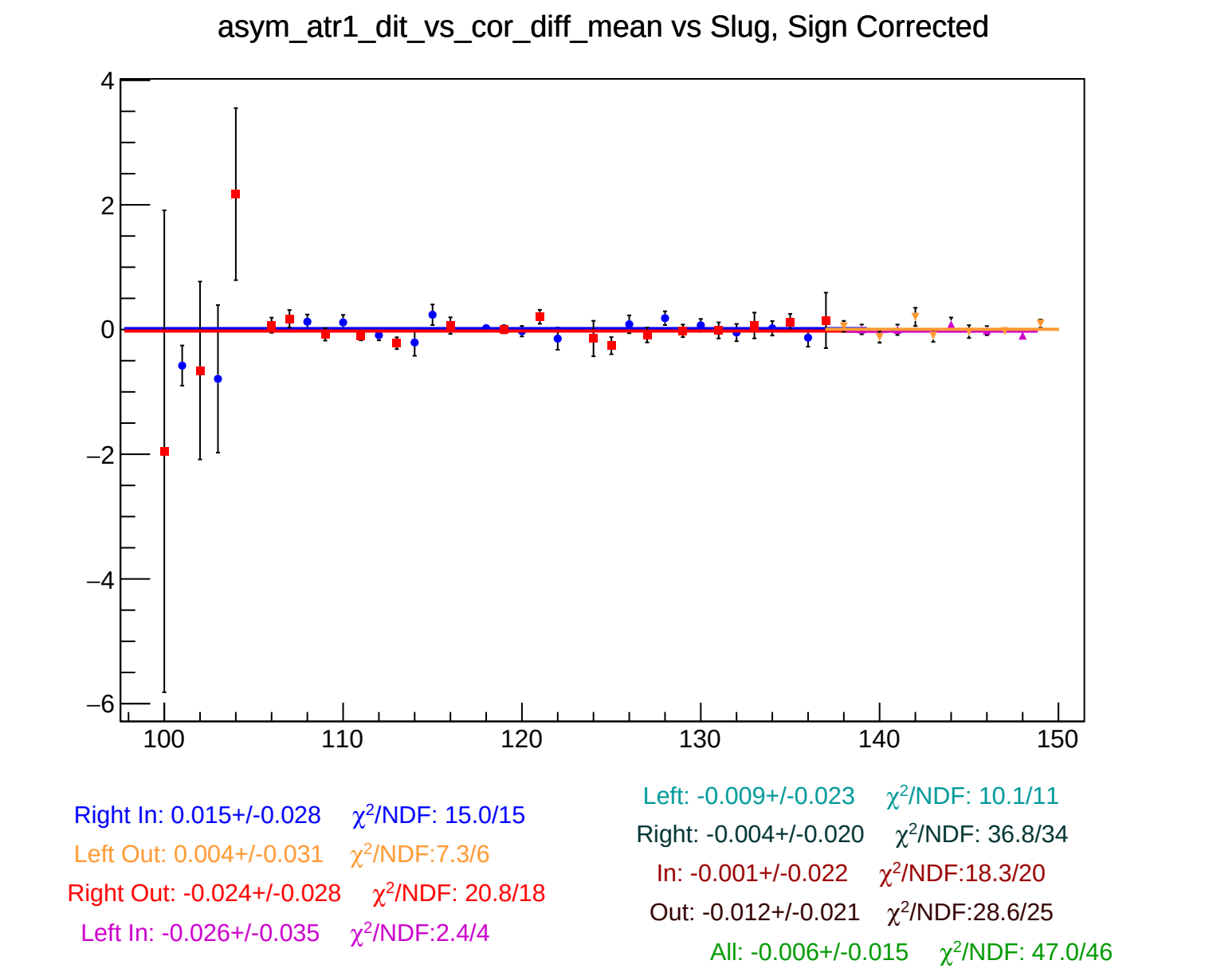
Left: 0.000+/-0.000 χ^2/NDF: 982739.1/11

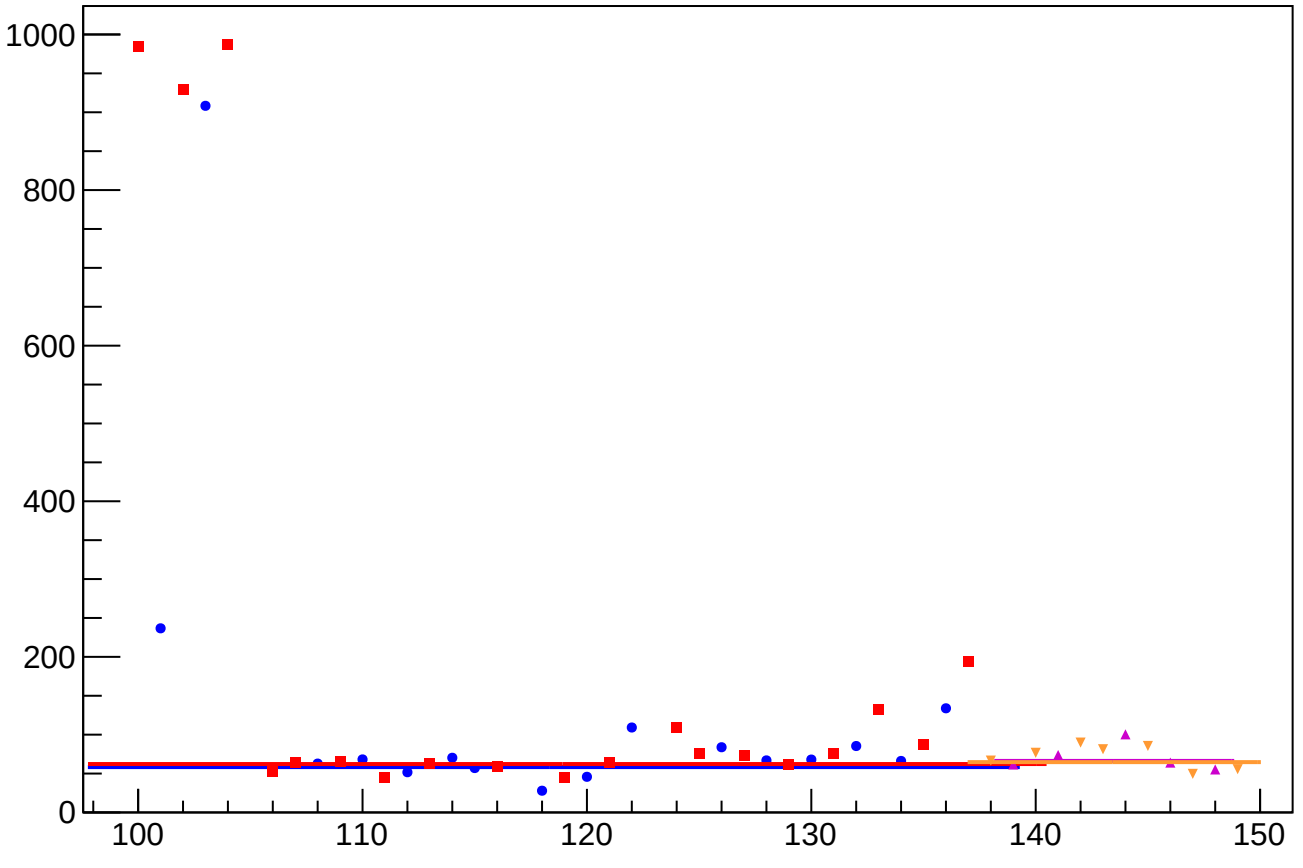
Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1372812.7/20

Out: 0.000+/-0.000 χ^2/NDF:1600387.6/25

All: 0.000+/-0.000 χ^2/NDF: 3300220.7/46


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: 0.004+/-0.031 χ²/NDF:7.3/6
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.026+/-0.035 χ²/NDF:2.4/4
Left: -0.009+/-0.023 χ²/NDF: 10.1/11
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: -0.001+/-0.022 χ²/NDF:18.3/20
Out: -0.012+/-0.021 χ²/NDF:28.6/25
All: -0.006+/-0.015 χ²/NDF: 47.0/46



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 64.692+/-0.022 χ^2/NDF:401735.7/6

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: 65.382+/-0.016 χ^2/NDF: 676717.3/11

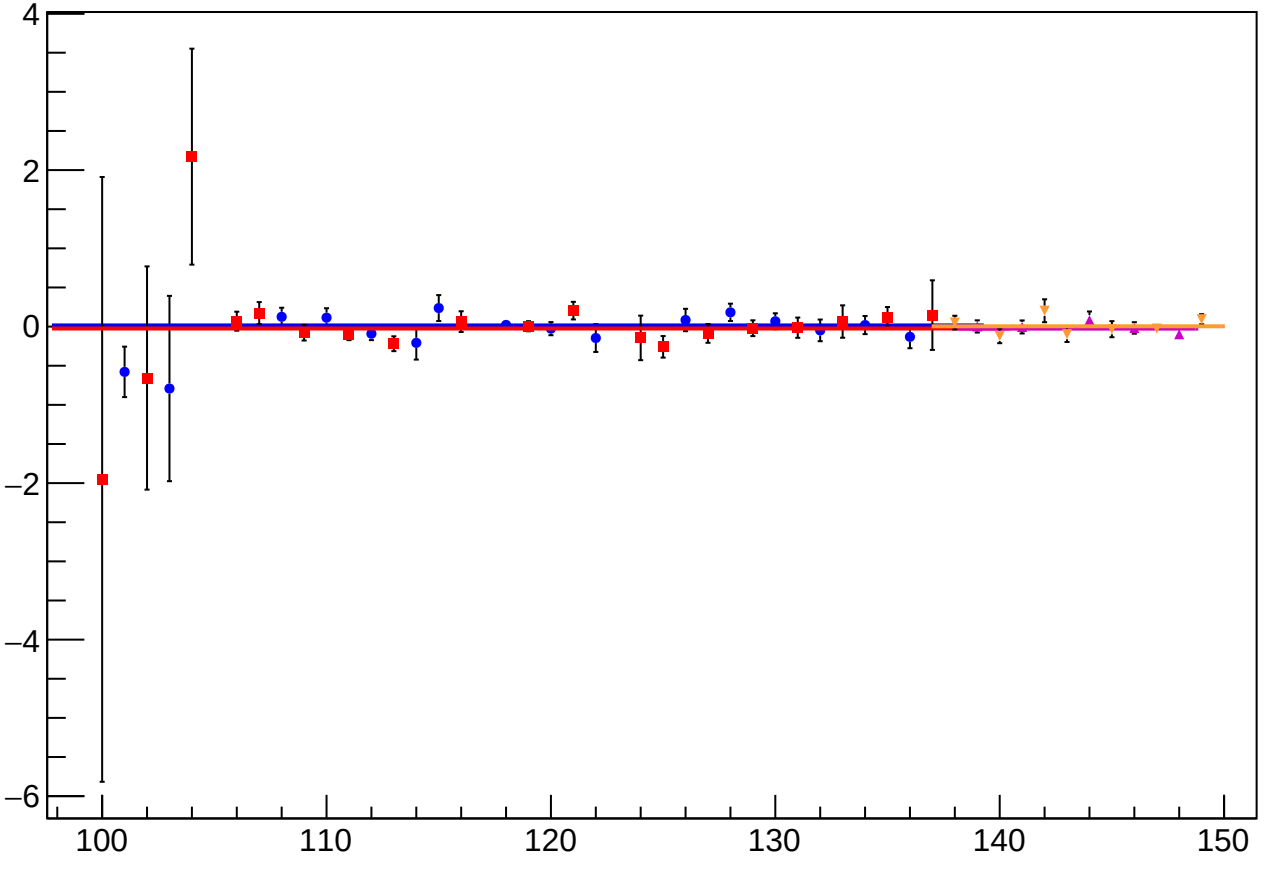
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 61.396+/-0.015 χ^2/NDF:3596303.9/20

Out: 63.327+/-0.015 χ^2/NDF:3035592.8/25

All: 62.400+/-0.011 χ^2/NDF: 6640093.4/46

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.026+/-0.035 χ^2/NDF:2.4/4

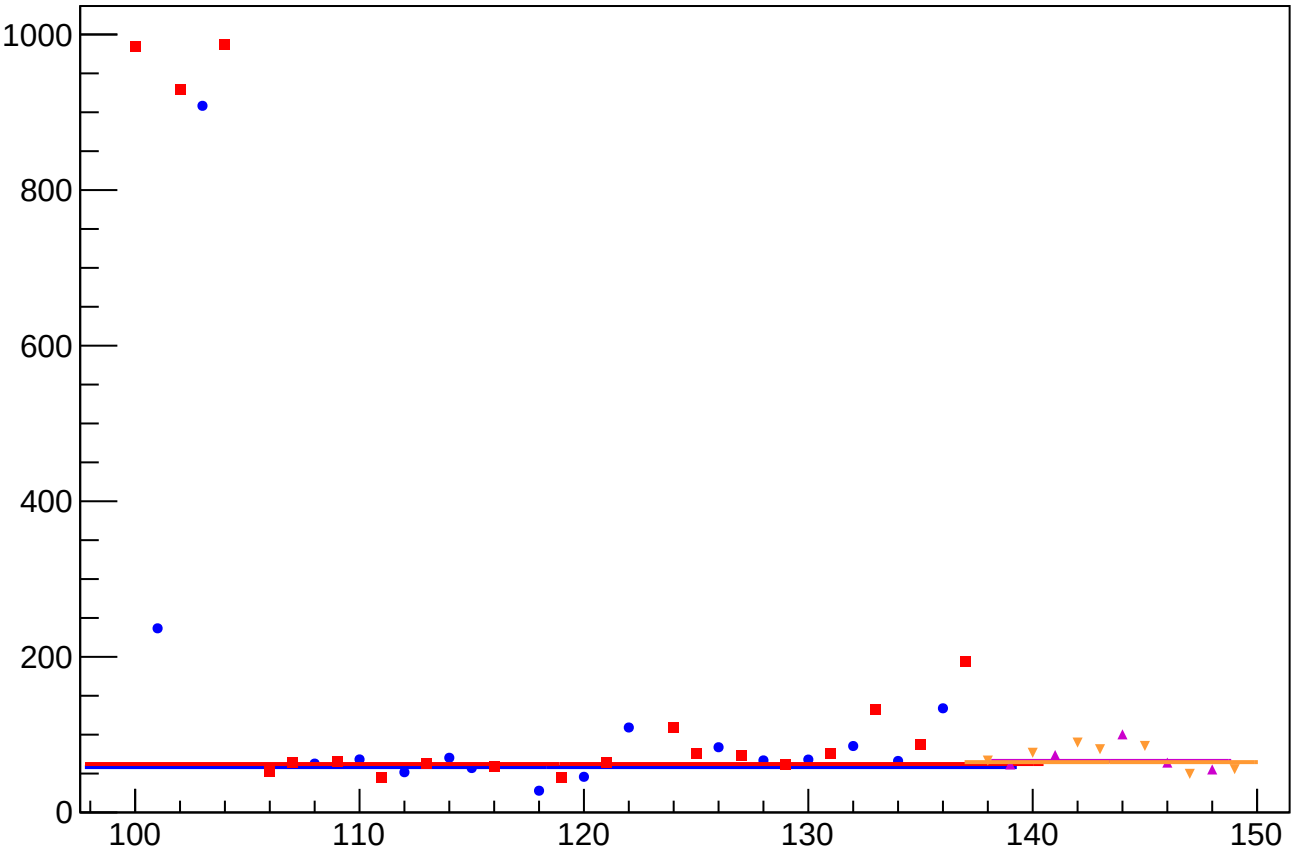
Left: -0.009+/-0.023 χ^2/NDF: 10.1/11

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.022 χ^2/NDF:18.3/20

Out: -0.012+/-0.021 χ^2/NDF:28.6/25

All: -0.006+/-0.015 χ^2/NDF: 47.0/46



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 64.692+/-0.022 χ^2/NDF:401735.7/6

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 66.237+/-0.025 χ^2/NDF:272809.0/4

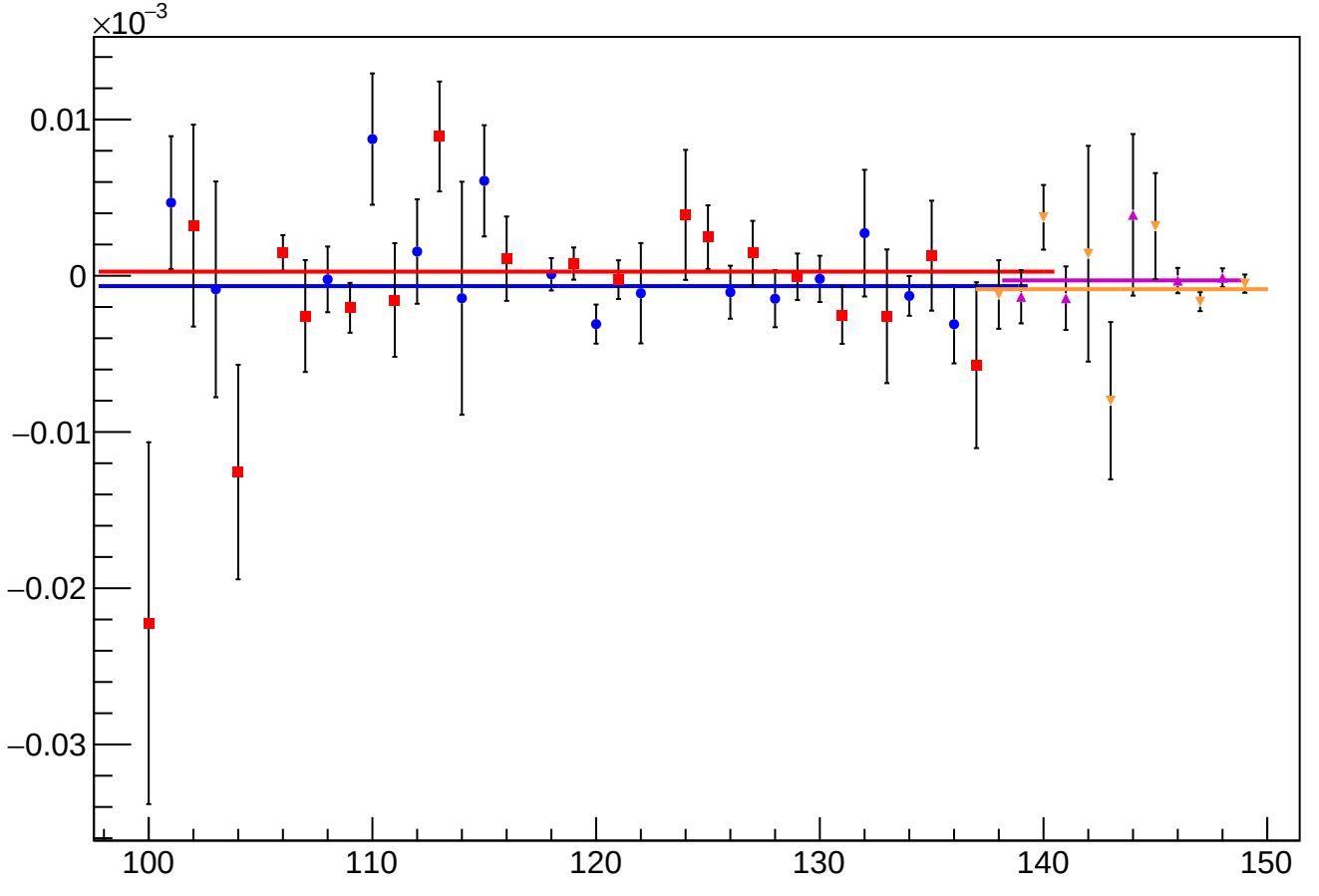
Left: 65.382+/-0.016 χ^2/NDF: 676717.3/11

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 61.396+/-0.015 χ^2/NDF:3596303.9/20

Out: 63.327+/-0.015 χ^2/NDF:3035592.8/25

All: 62.400+/-0.011 χ^2/NDF: 6640093.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

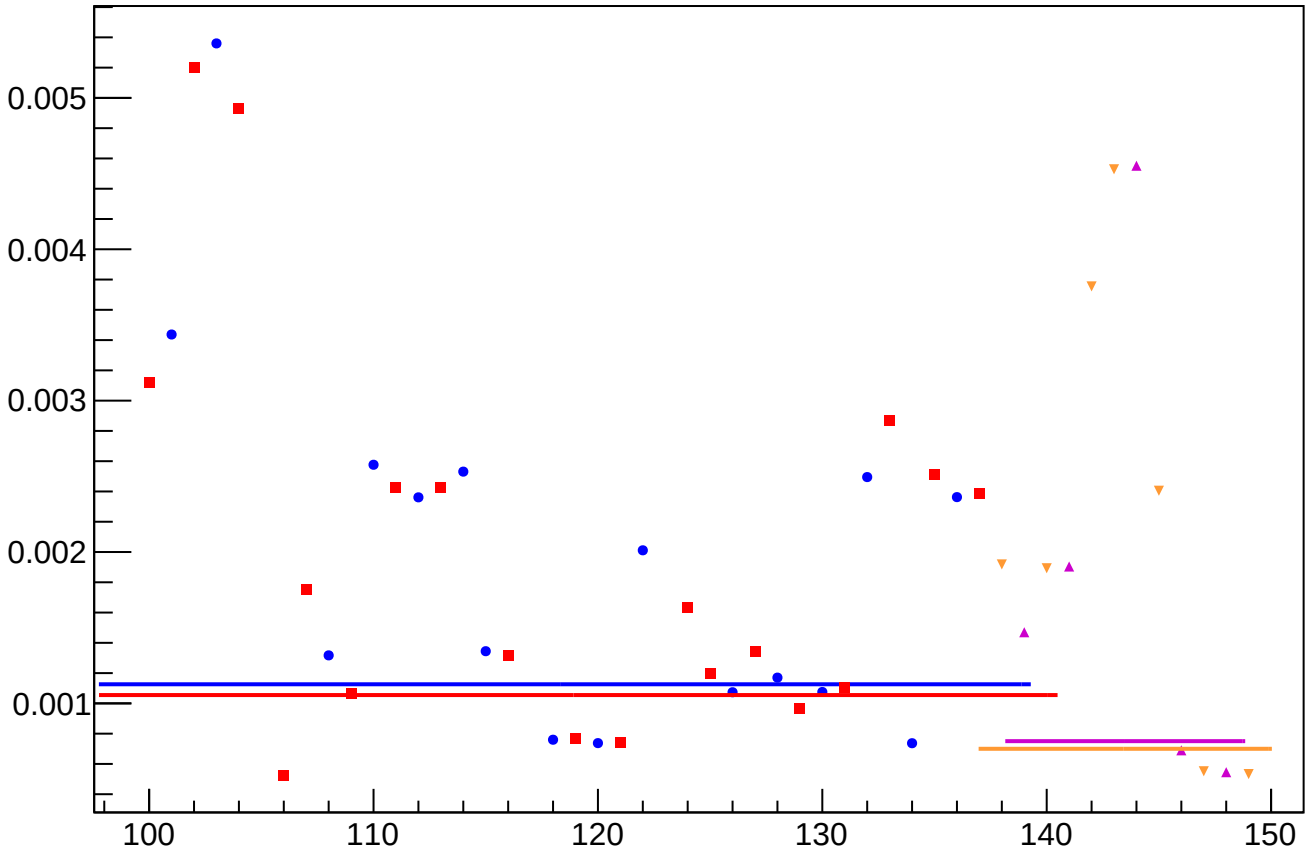
Left: -0.000+/-0.000 χ^2/NDF: 12.9/11

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:38.5/25

All: -0.000+/-0.000 χ^2/NDF: 57.5/46



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:3615507.8/6

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2330208.0/4

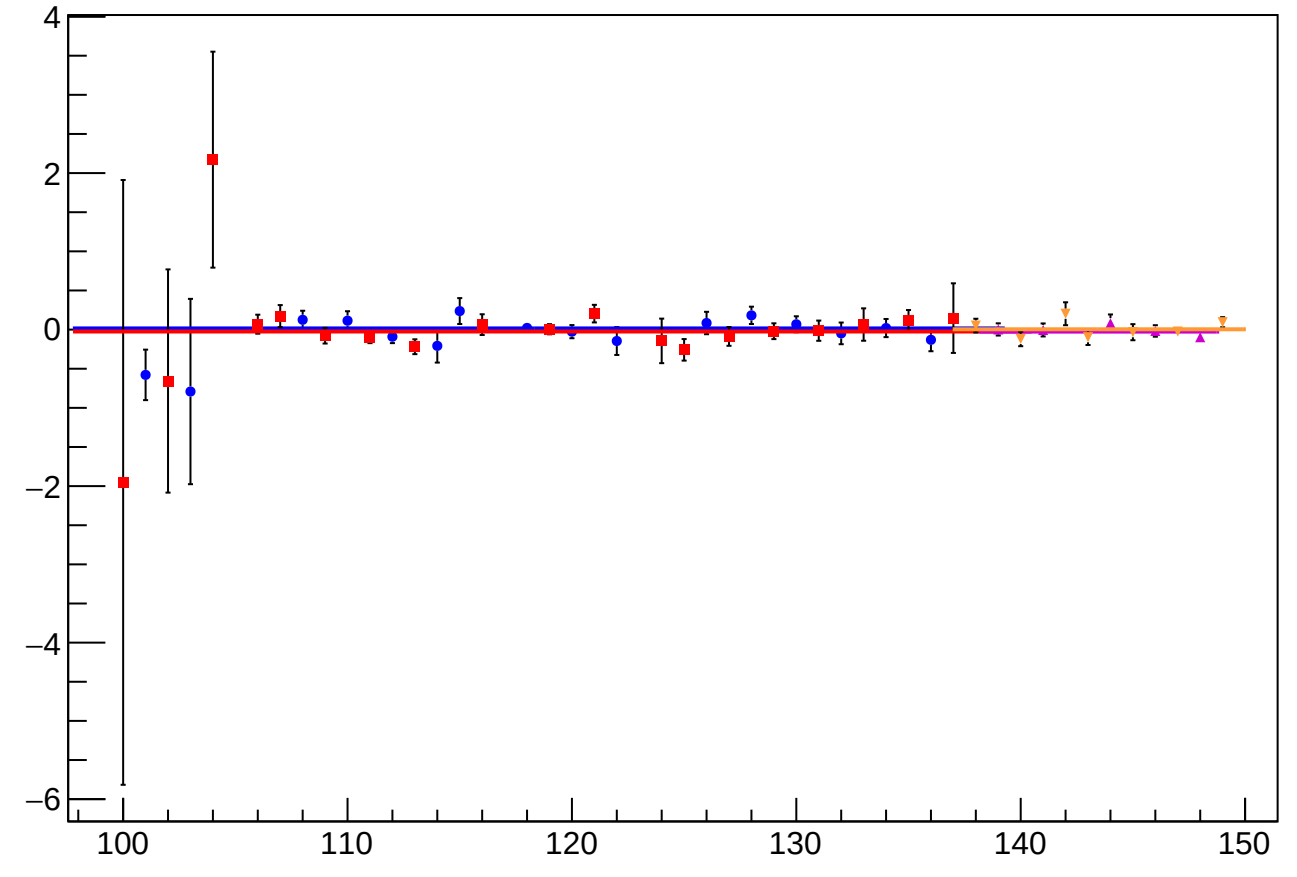
Left: 0.001+/-0.000 χ^2/NDF: 5959780.8/11

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:8133807.6/25

All: 0.001+/-0.000 χ^2/NDF: 14606102.1/46



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.026+/-0.035 χ^2/NDF:2.4/4

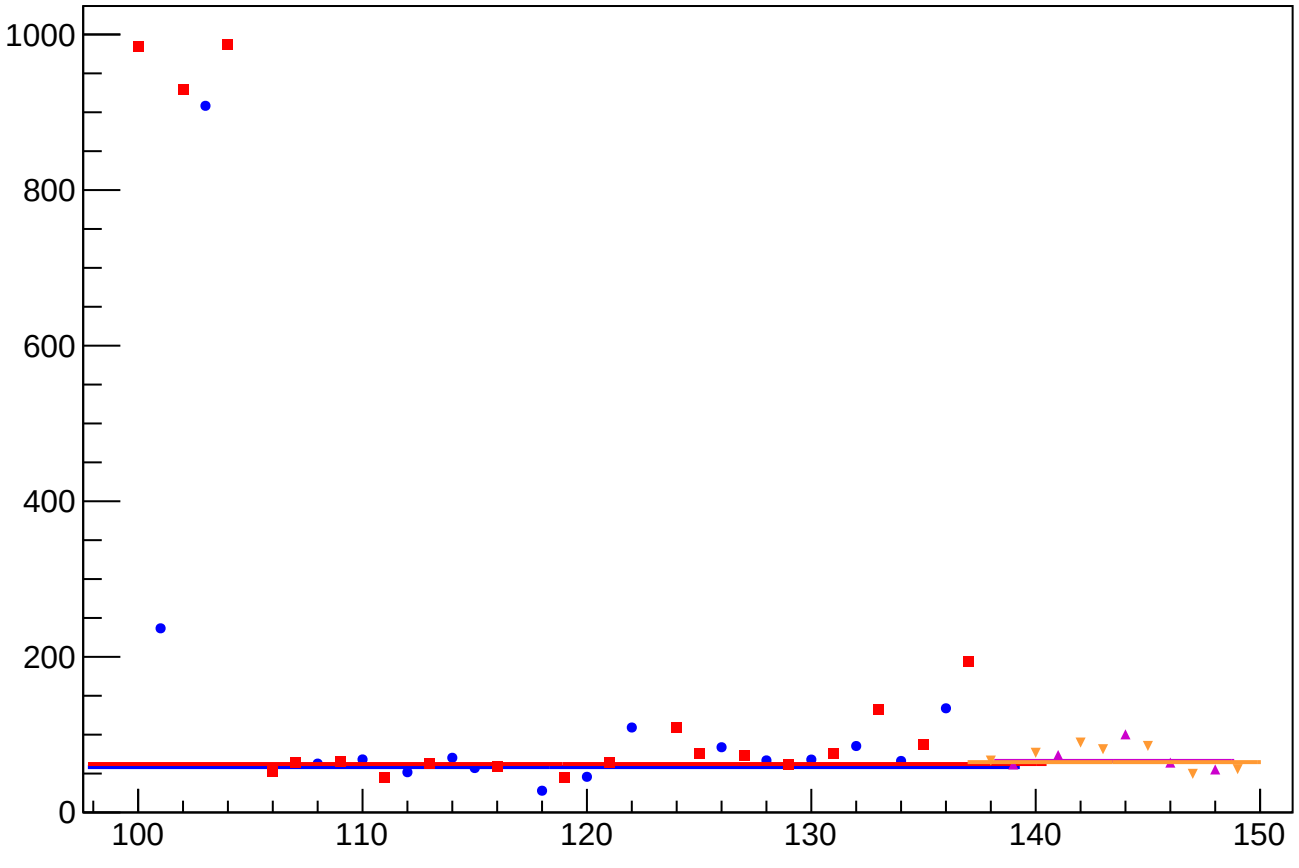
Left: -0.009+/-0.023 χ^2/NDF: 10.1/11

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.022 χ^2/NDF:18.3/20

Out: -0.012+/-0.021 χ^2/NDF:28.6/25

All: -0.006+/-0.015 χ^2/NDF: 47.0/46



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 64.692+/-0.022 χ^2/NDF:401723.9/6

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

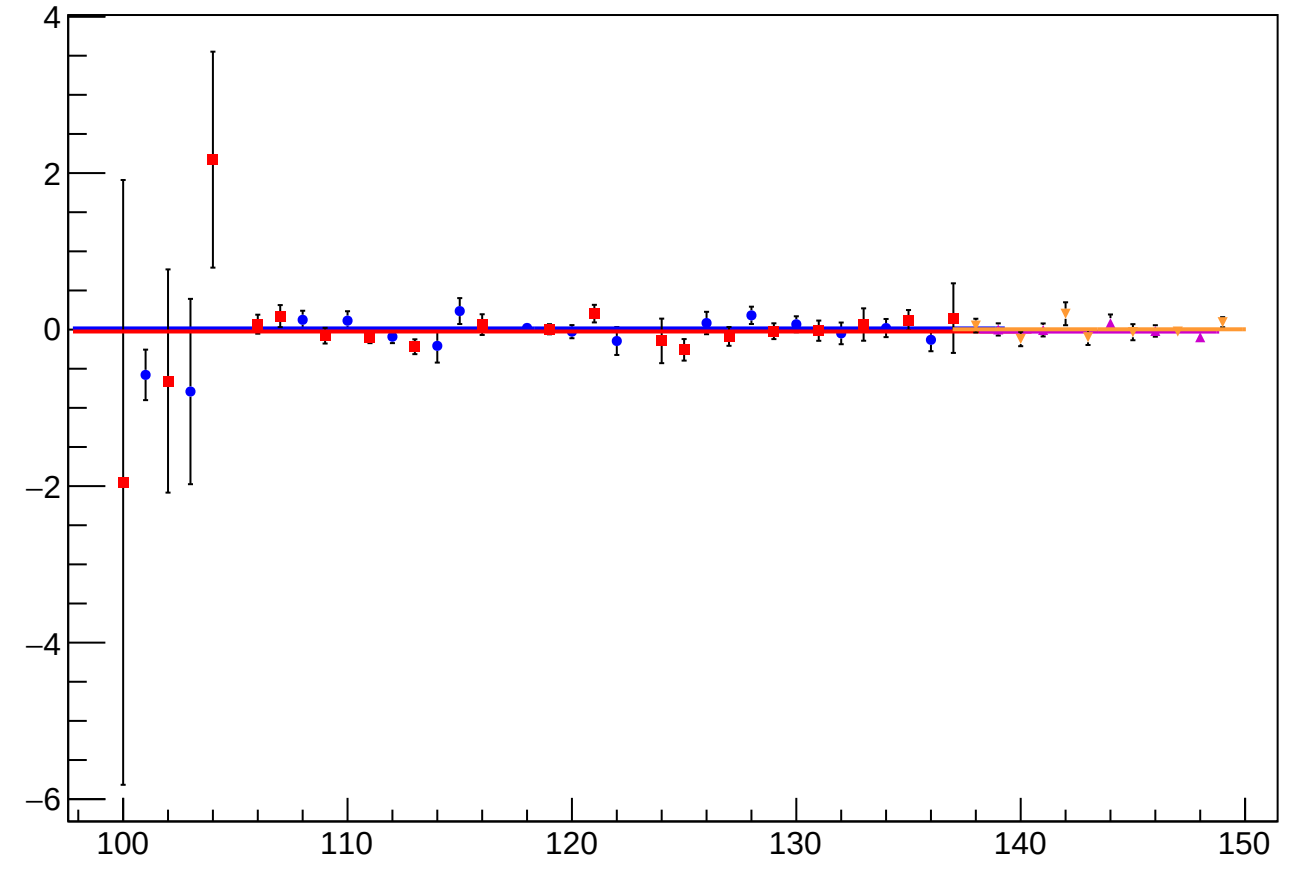
Left: 65.382+/-0.016 χ^2/NDF: 676712.4/11

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 61.396+/-0.015 χ^2/NDF:3596408.0/20

Out: 63.327+/-0.015 χ^2/NDF:3035572.8/25

All: 62.400+/-0.011 χ^2/NDF: 6640179.3/46



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.031 χ^2/NDF:7.3/6

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.026+/-0.035 χ^2/NDF:2.4/4

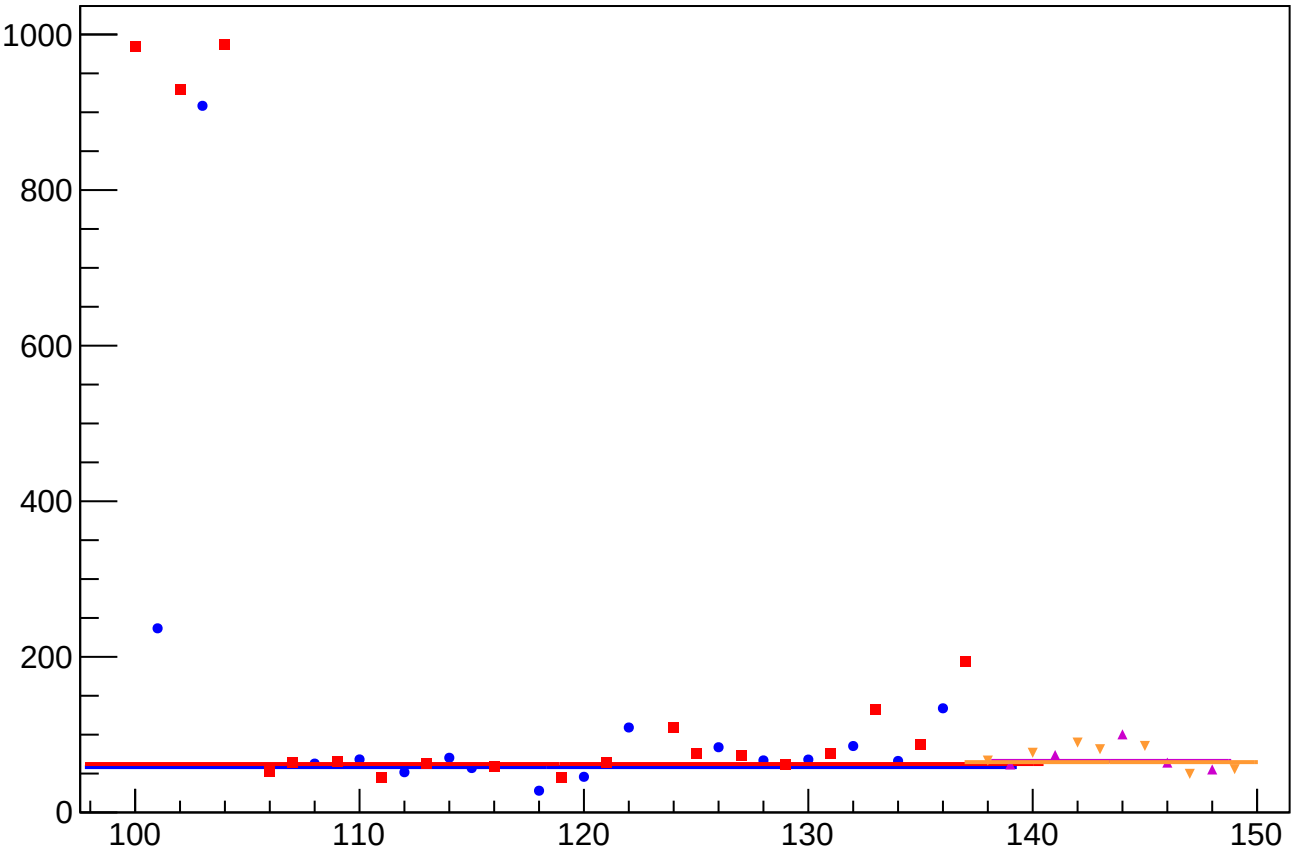
Left: -0.009+/-0.023 χ^2/NDF: 10.1/11

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: -0.001+/-0.022 χ^2/NDF:18.3/20

Out: -0.012+/-0.021 χ^2/NDF:28.6/25

All: -0.006+/-0.015 χ^2/NDF: 47.0/46



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 64.692+/-0.022 χ^2/NDF:401723.9/6

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 66.238+/-0.025 χ^2/NDF:272814.2/4

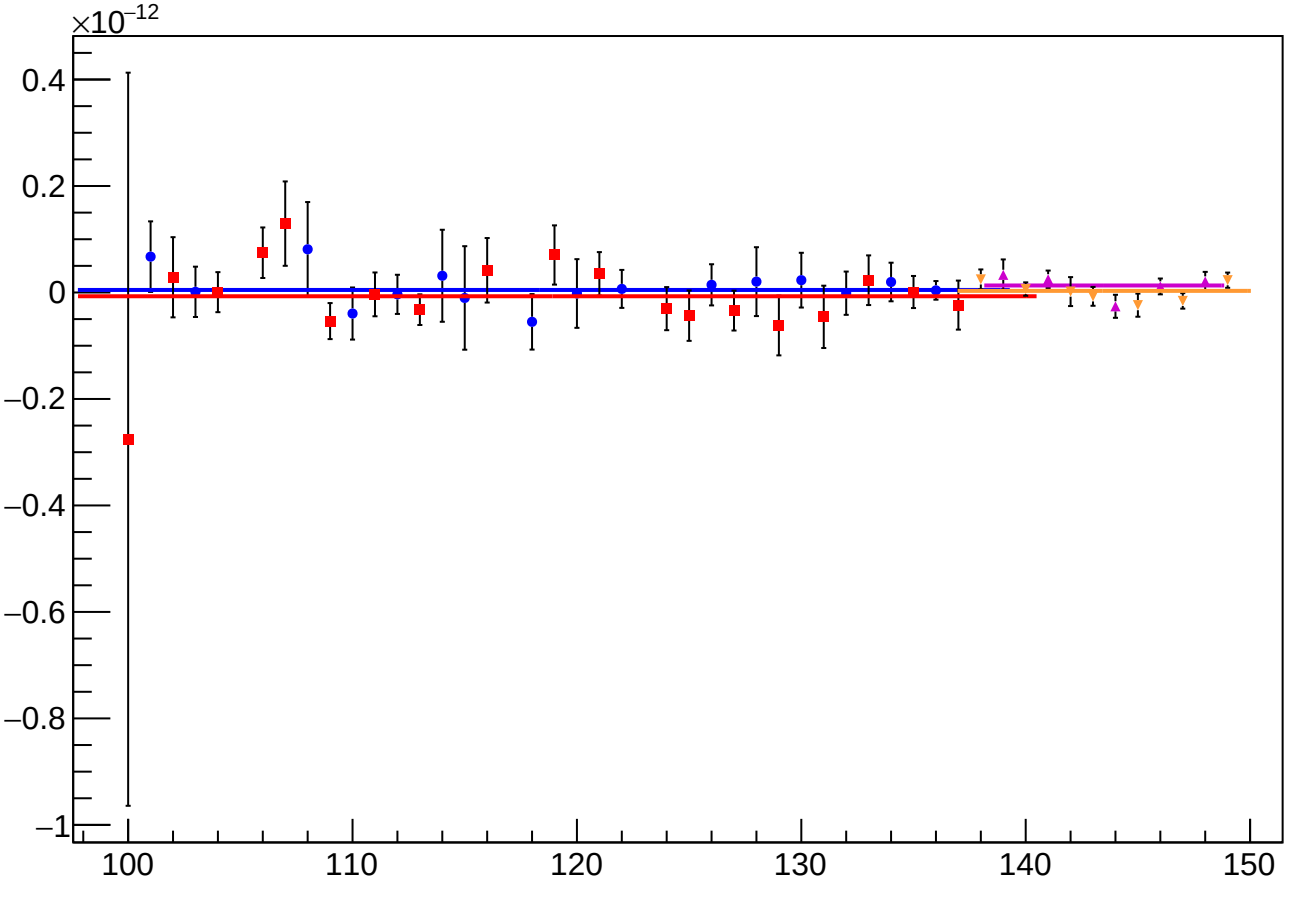
Left: 65.382+/-0.016 χ^2/NDF: 676712.4/11

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 61.396+/-0.015 χ^2/NDF:3596408.0/20

Out: 63.327+/-0.015 χ^2/NDF:3035572.8/25

All: 62.400+/-0.011 χ^2/NDF: 6640179.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/4

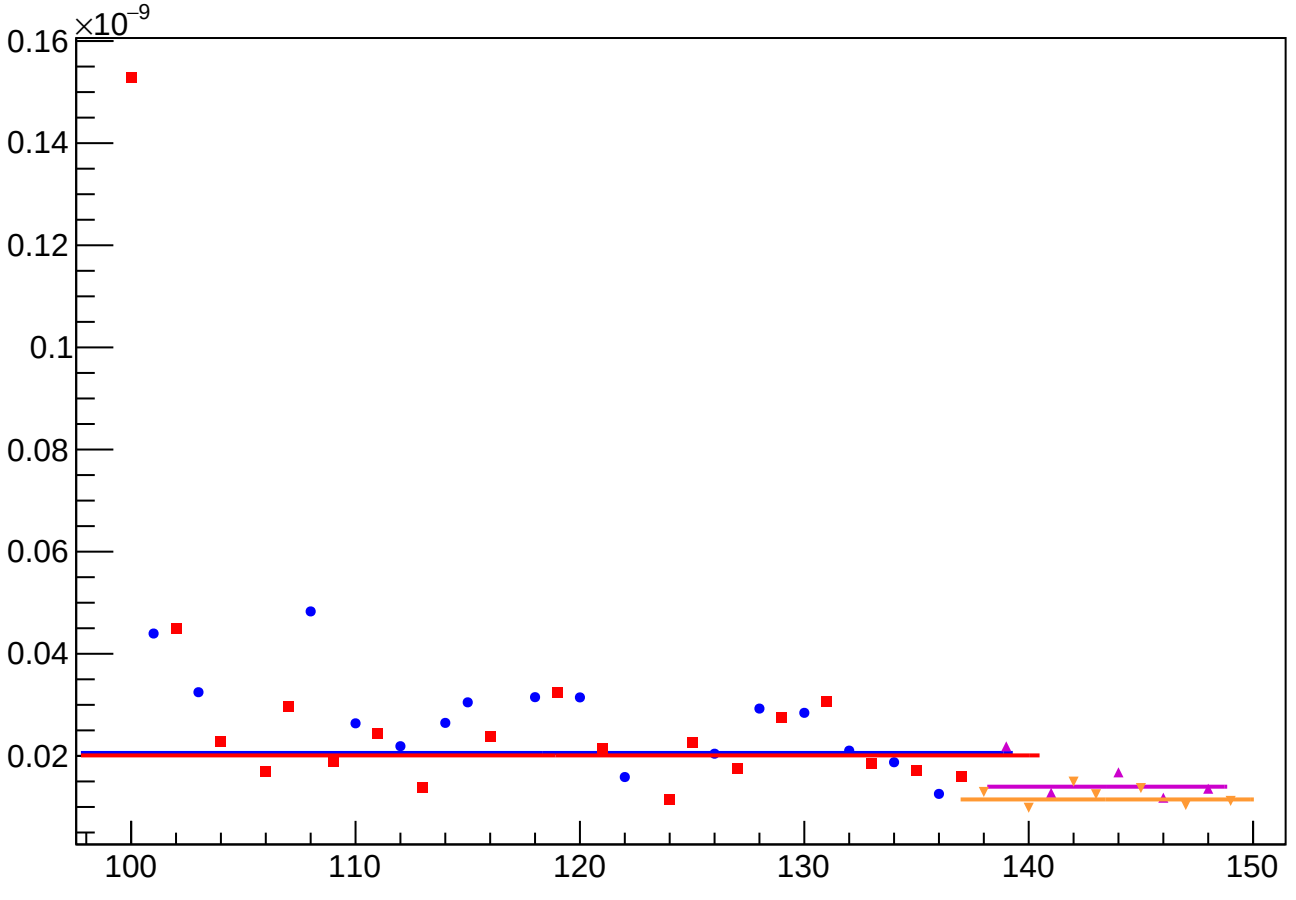
Left: 0.000+/-0.000 χ^2/NDF: 12.3/11

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:23.8/25

All: 0.000+/-0.000 χ^2/NDF: 34.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:118297.2/6

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: 471277.4/11

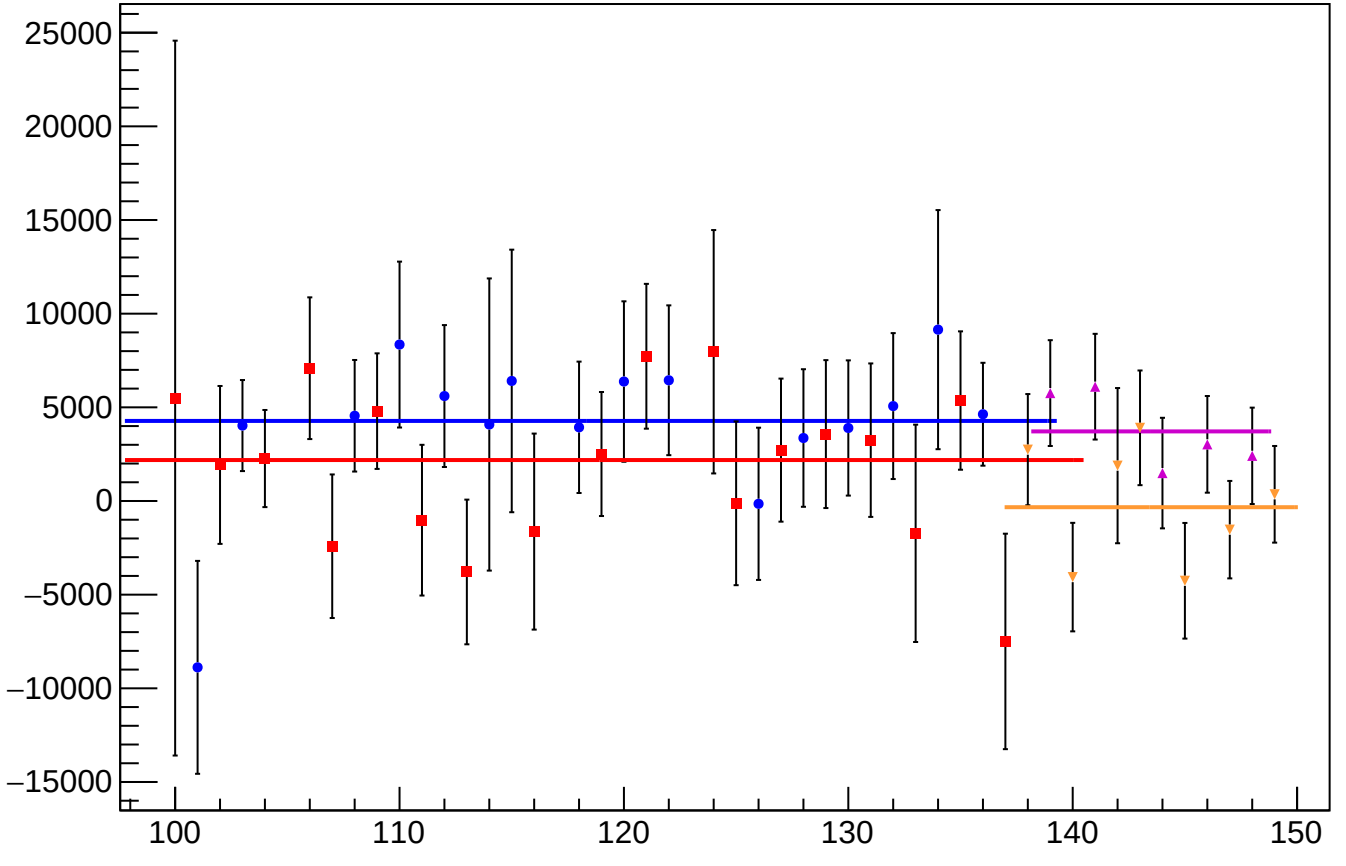
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2060647.9/20

Out: 0.000+/-0.000 χ^2/NDF:1980273.7/25

All: 0.000+/-0.000 χ^2/NDF: 4250314.2/46

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -331.522+/-1117.537 χ^2/NDF:6.8/6

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: 1507.440+/-825.429 χ^2/NDF: 14.9/11

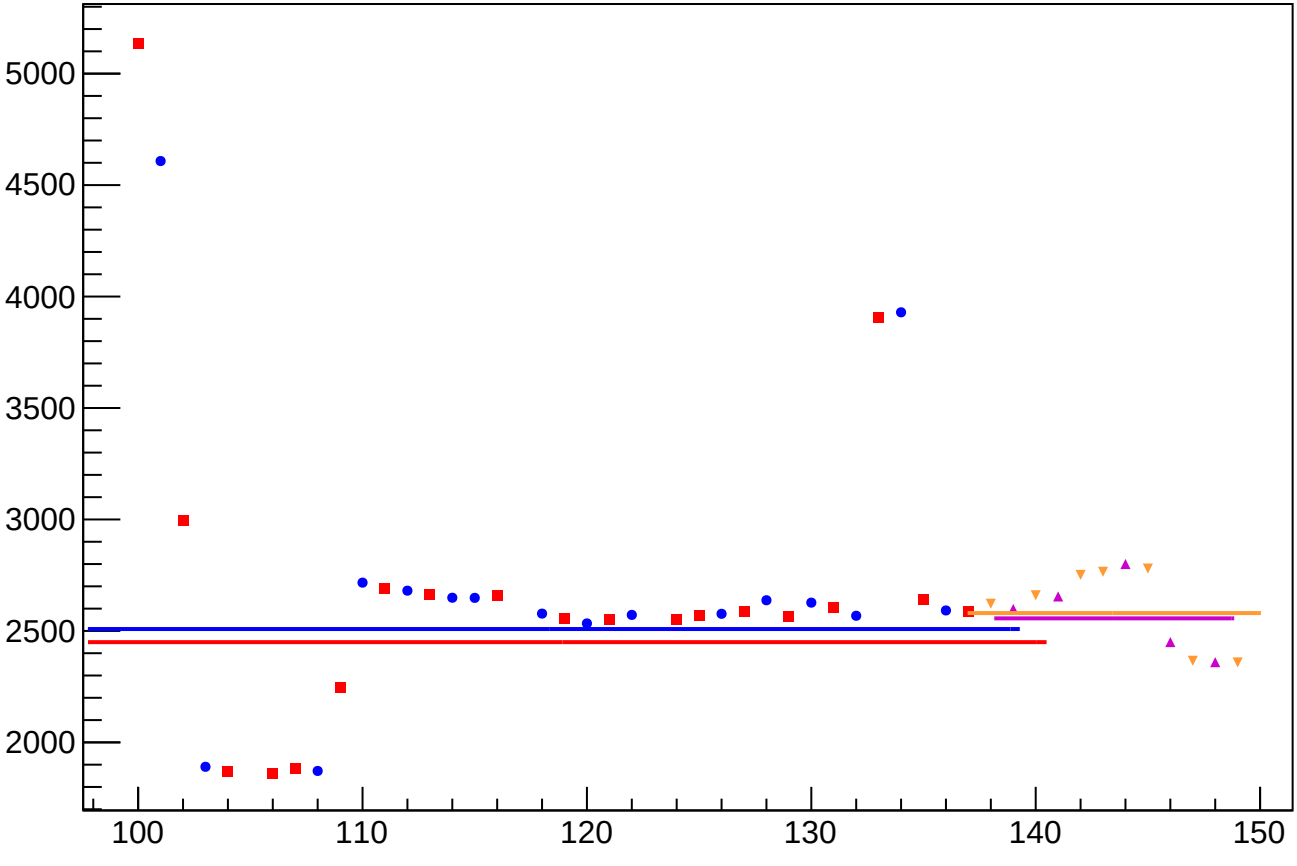
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4063.674+/-751.543 χ^2/NDF:11.2/20

Out: 1166.424+/-711.244 χ^2/NDF:24.7/25

All: 2535.291+/-516.585 χ^2/NDF: 43.7/46

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2580.090+/-0.790 χ^2/NDF:49304.8/6

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

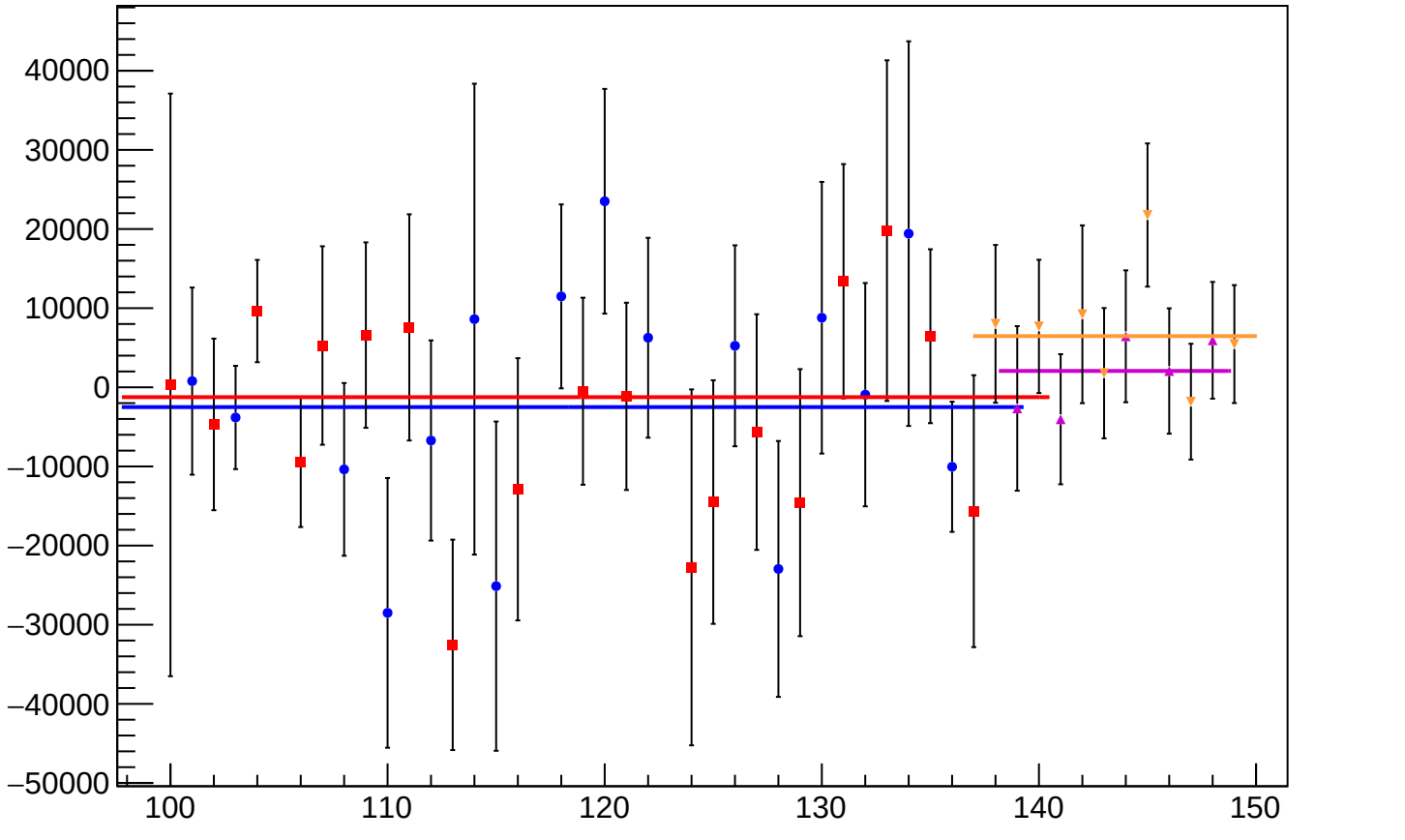
Left: 2569.294+/-0.584 χ^2/NDF: 81288.3/11

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2526.499+/-0.531 χ^2/NDF:645067.3/20

Out: 2502.469+/-0.503 χ^2/NDF:502423.6/25

All: 2513.823+/-0.365 χ^2/NDF: 1148569.6/46



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6465.634+/-3231.935 χ^2/NDF:4.6/6

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2066.983+/-3706.782 χ^2/NDF:1.3/4

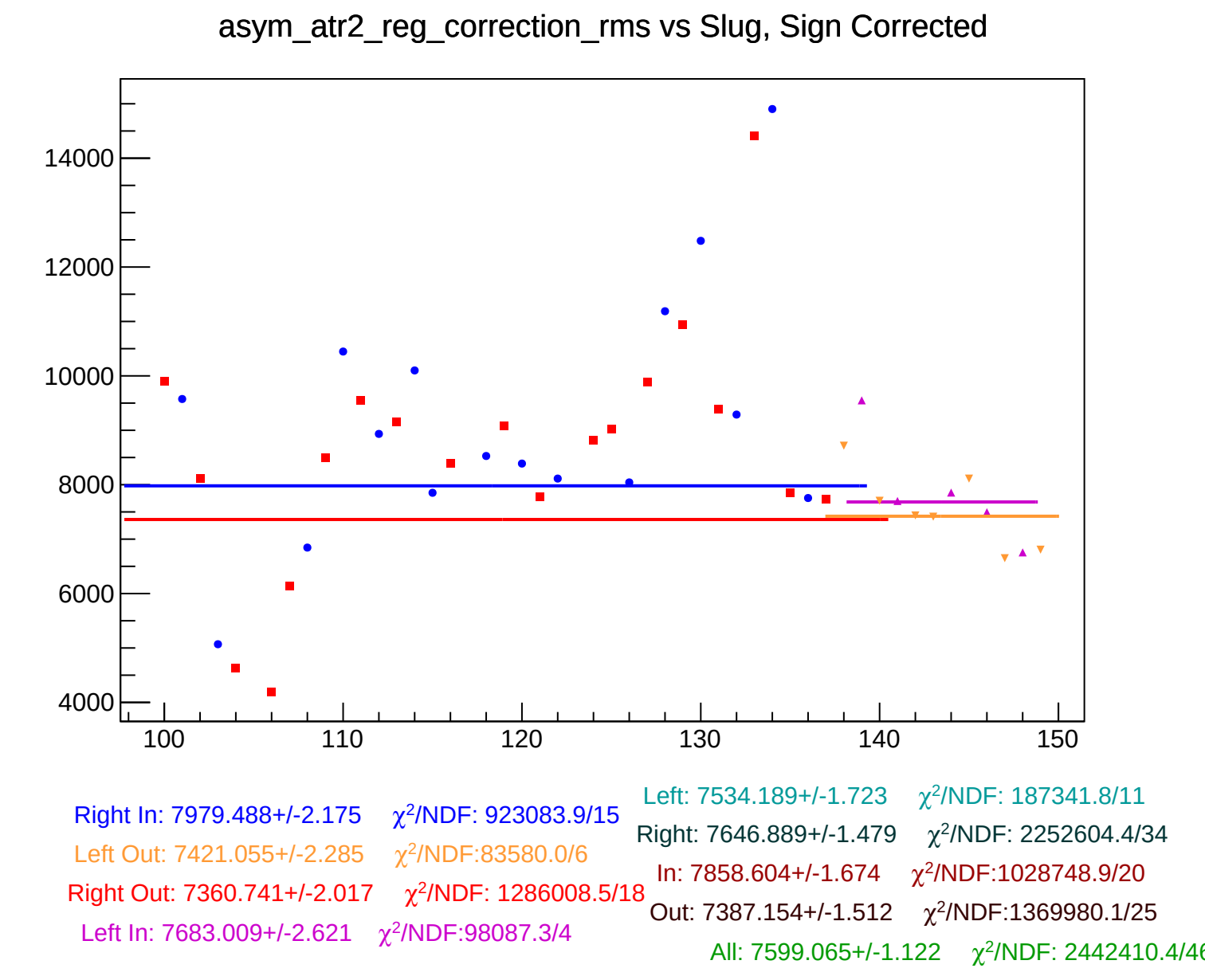
Left: 4565.925+/-2436.020 χ^2/NDF: 6.7/11

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

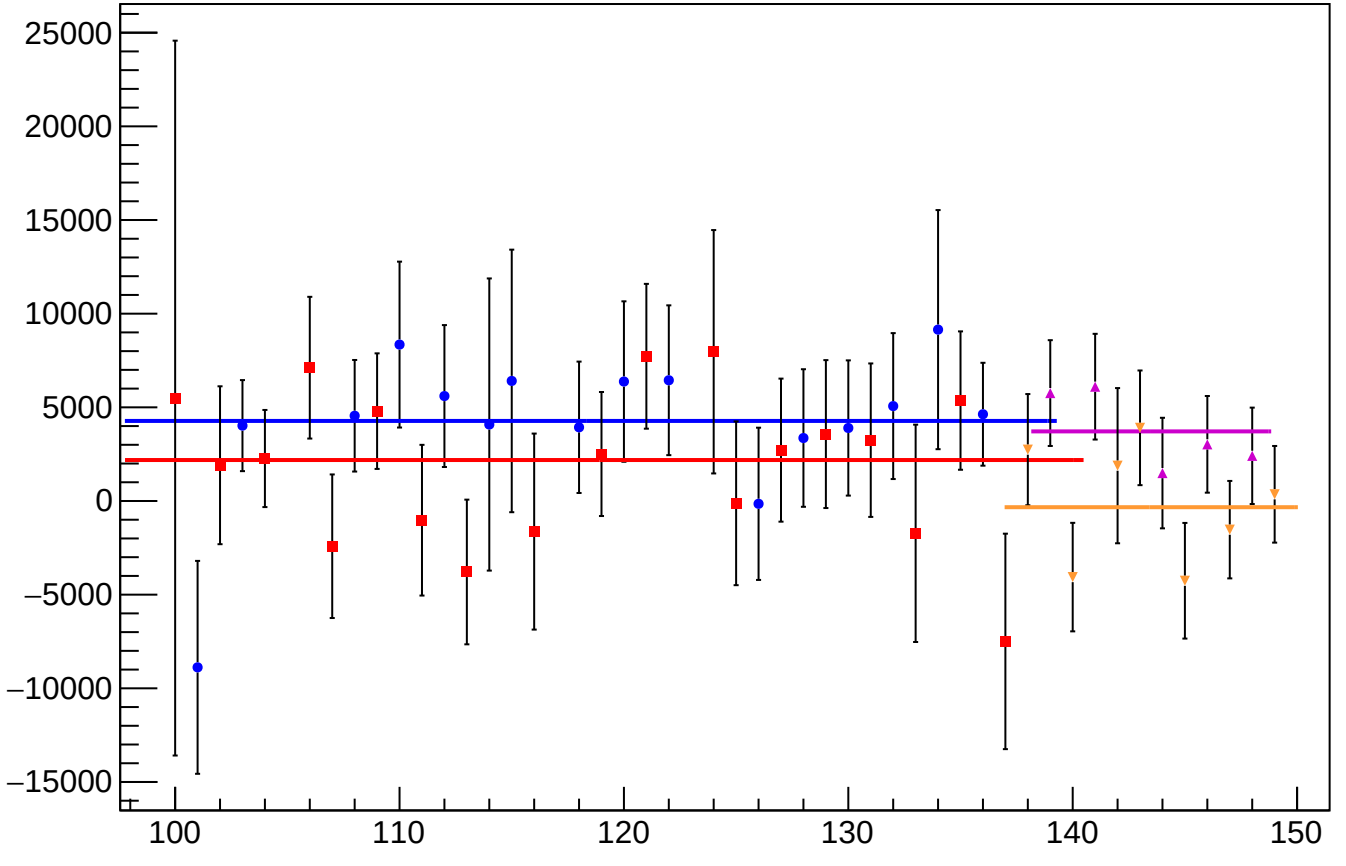
In: -638.243+/-2366.930 χ^2/NDF:16.0/20

Out: 2132.015+/-2138.753 χ^2/NDF:24.4/25

All: 886.819+/-1586.881 χ^2/NDF: 41.1/46


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: 7421.055+/-2.285 χ²/NDF:83580.0/6
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 7683.009+/-2.621 χ²/NDF:98087.3/4
Left: 7534.189+/-1.723 χ²/NDF: 187341.8/11
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 7858.604+/-1.674 χ²/NDF:1028748.9/20
Out: 7387.154+/-1.512 χ²/NDF:1369980.1/25
All: 7599.065+/-1.122 χ²/NDF: 2442410.4/46

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -331.555+/-1117.537 χ^2/NDF:6.8/6

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3715.500+/-1224.440 χ^2/NDF:2.1/4

Left: 1507.622+/-825.429 χ^2/NDF: 14.9/11

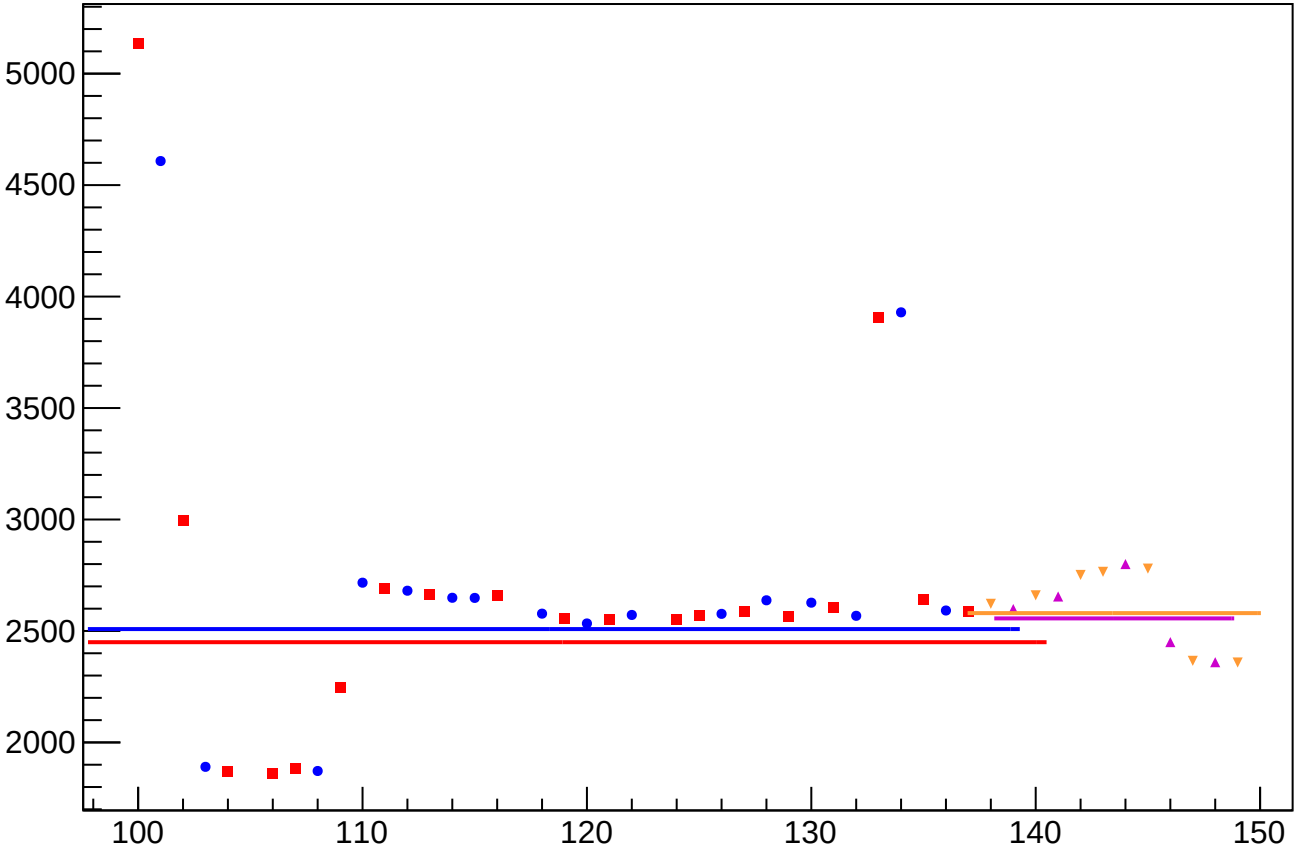
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4063.534+/-751.543 χ^2/NDF:11.2/20

Out: 1166.771+/-711.247 χ^2/NDF:24.7/25

All: 2535.414+/-516.586 χ^2/NDF: 43.7/46

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2580.090+/-0.790 χ^2/NDF:49304.8/6

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

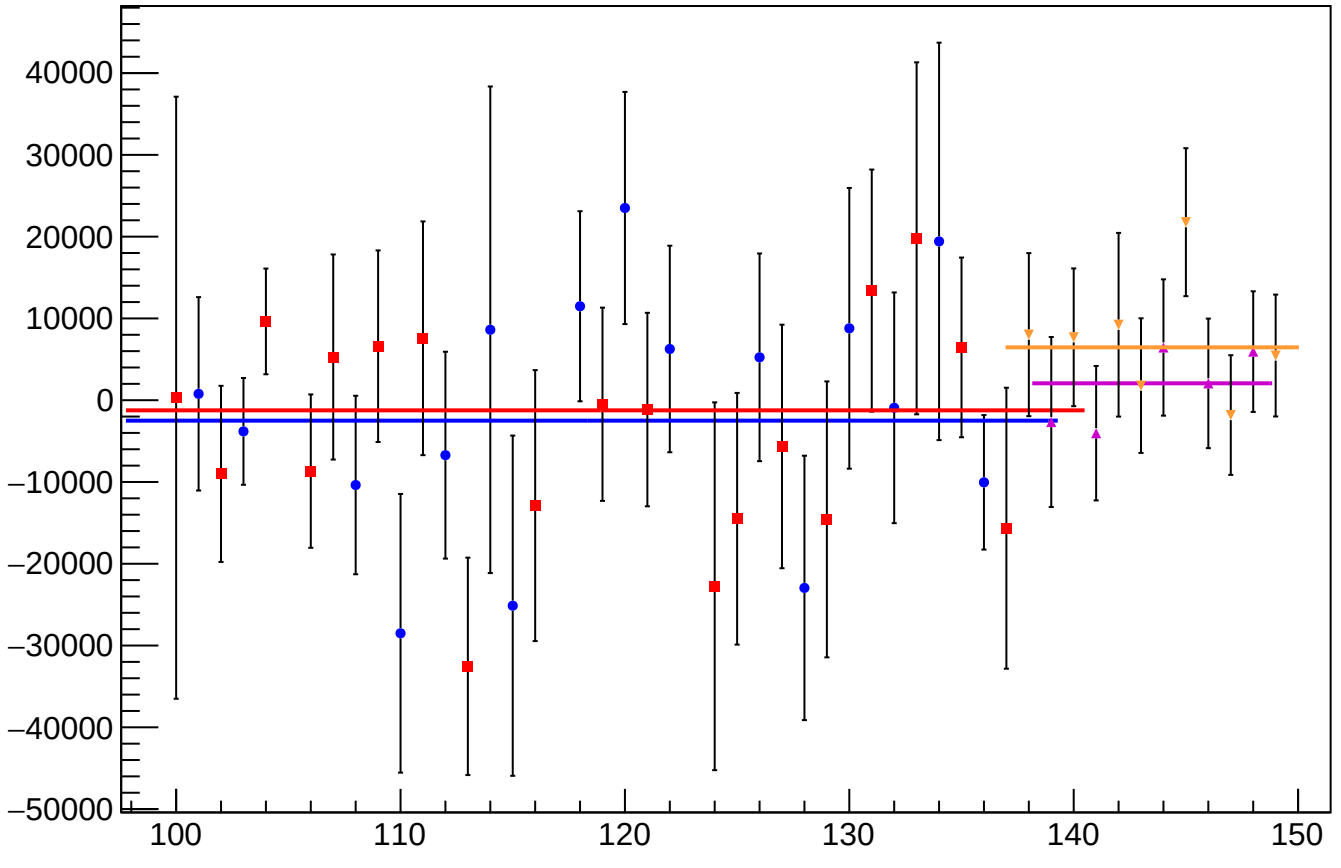
Left: 2569.294+/-0.584 χ^2/NDF: 81288.3/11

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2526.500+/-0.531 χ^2/NDF:645065.0/20

Out: 2502.484+/-0.503 χ^2/NDF:502363.0/25

All: 2513.831+/-0.365 χ^2/NDF: 1148505.4/46



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6465.614+/-3231.924 χ^2/NDF:4.6/6

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: 4565.990+/-2436.015 χ^2/NDF: 6.7/11

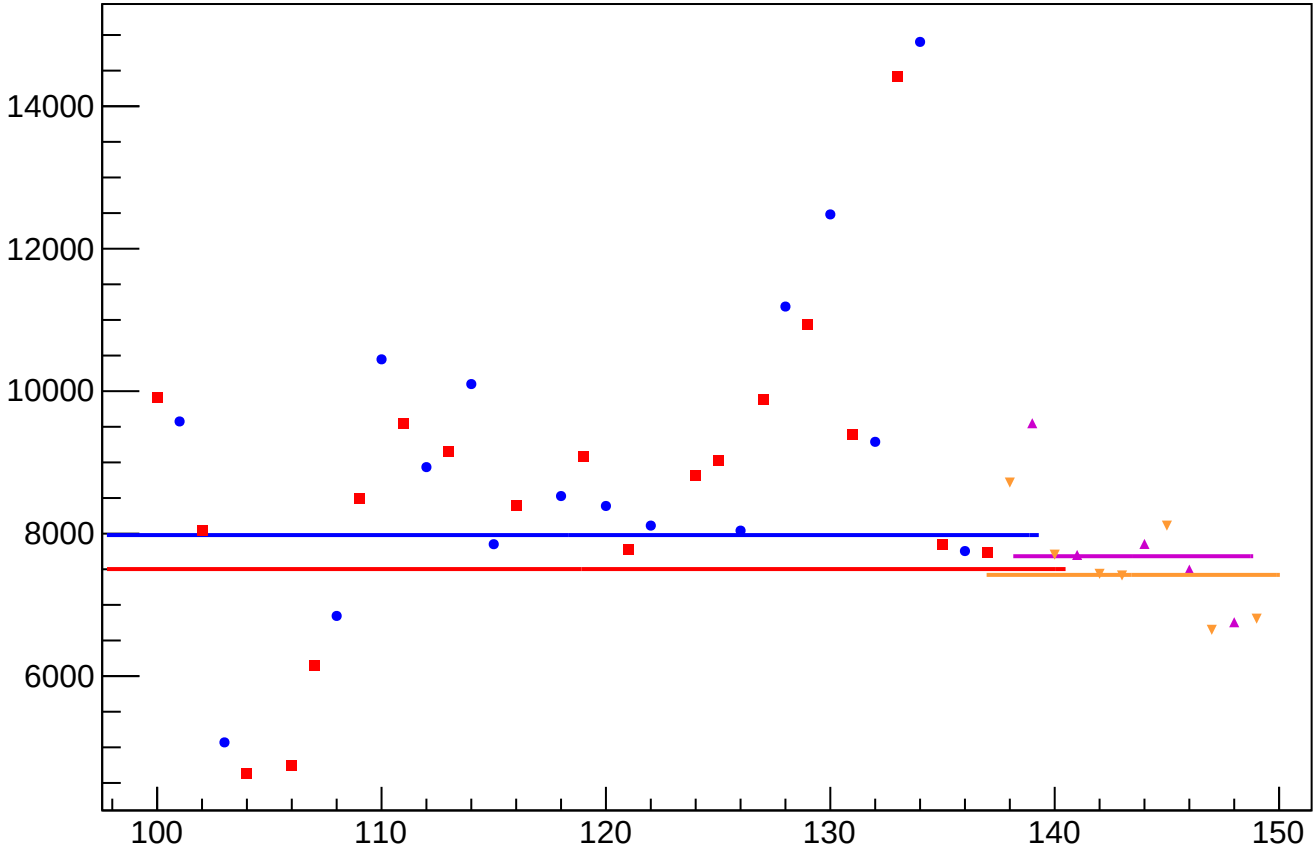
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -637.981+/-2366.970 χ^2/NDF:16.0/20

Out: 2188.385+/-2155.752 χ^2/NDF:24.4/25

All: 906.911+/-1593.799 χ^2/NDF: 41.1/46

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7421.031+/-2.285 χ^2/NDF:83580.2/6

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7683.006+/-2.621 χ^2/NDF:98087.4/4

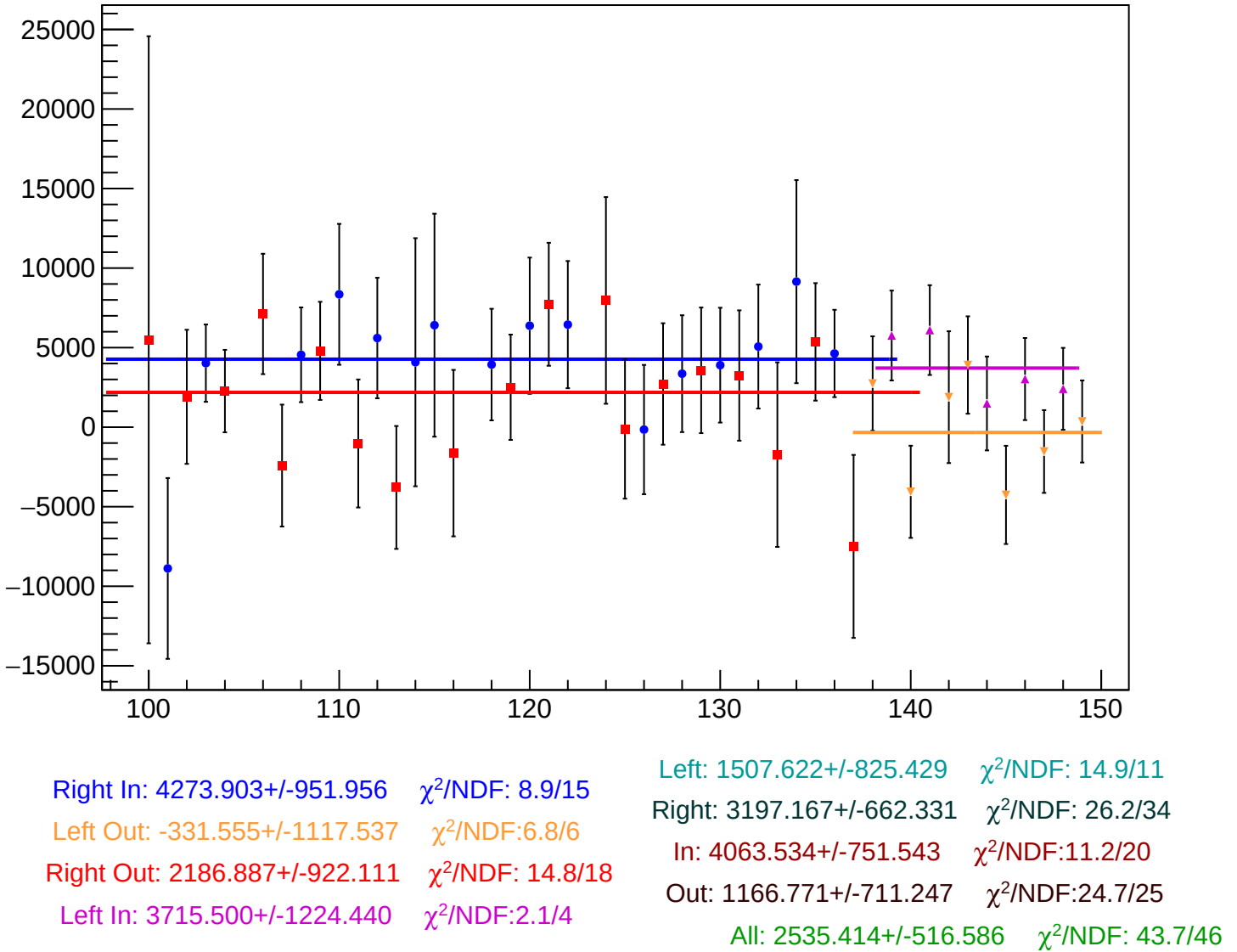
Left: 7534.173+/-1.723 χ^2/NDF: 187343.0/11

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

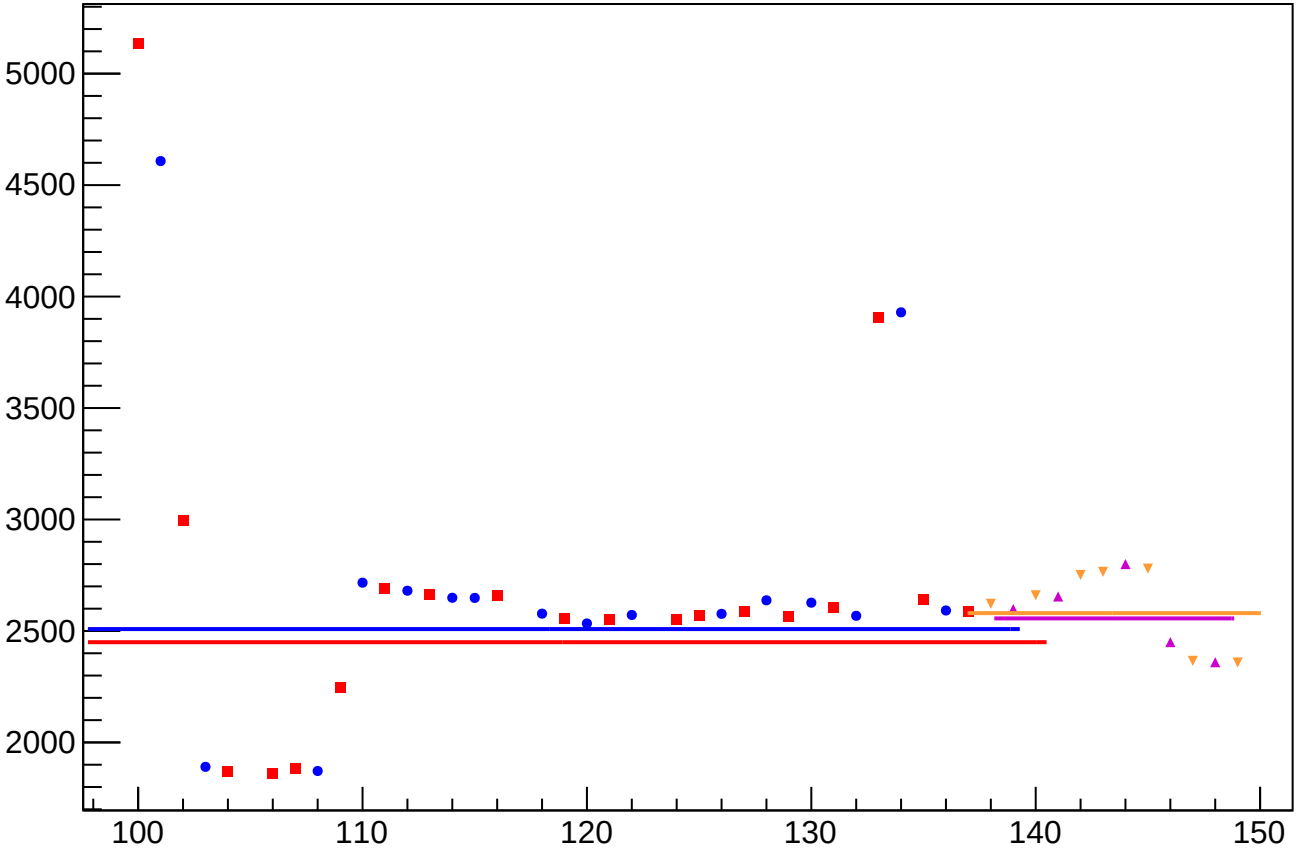
In: 7858.790+/-1.674 χ^2/NDF:1028467.1/20

Out: 7466.356+/-1.524 χ^2/NDF:1219812.3/25

All: 7644.285+/-1.127 χ^2/NDF: 2278329.6/46


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: -331.555+/-1117.537 χ²/NDF:6.8/6
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3715.500+/-1224.440 χ²/NDF:2.1/4
Left: 1507.622+/-825.429 χ²/NDF: 14.9/11
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 4063.534+/-751.543 χ²/NDF:11.2/20
Out: 1166.771+/-711.247 χ²/NDF:24.7/25
All: 2535.414+/-516.586 χ²/NDF: 43.7/46

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2580.090+/-0.790 χ^2/NDF:49304.8/6

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2556.333+/-0.866 χ^2/NDF:31572.7/4

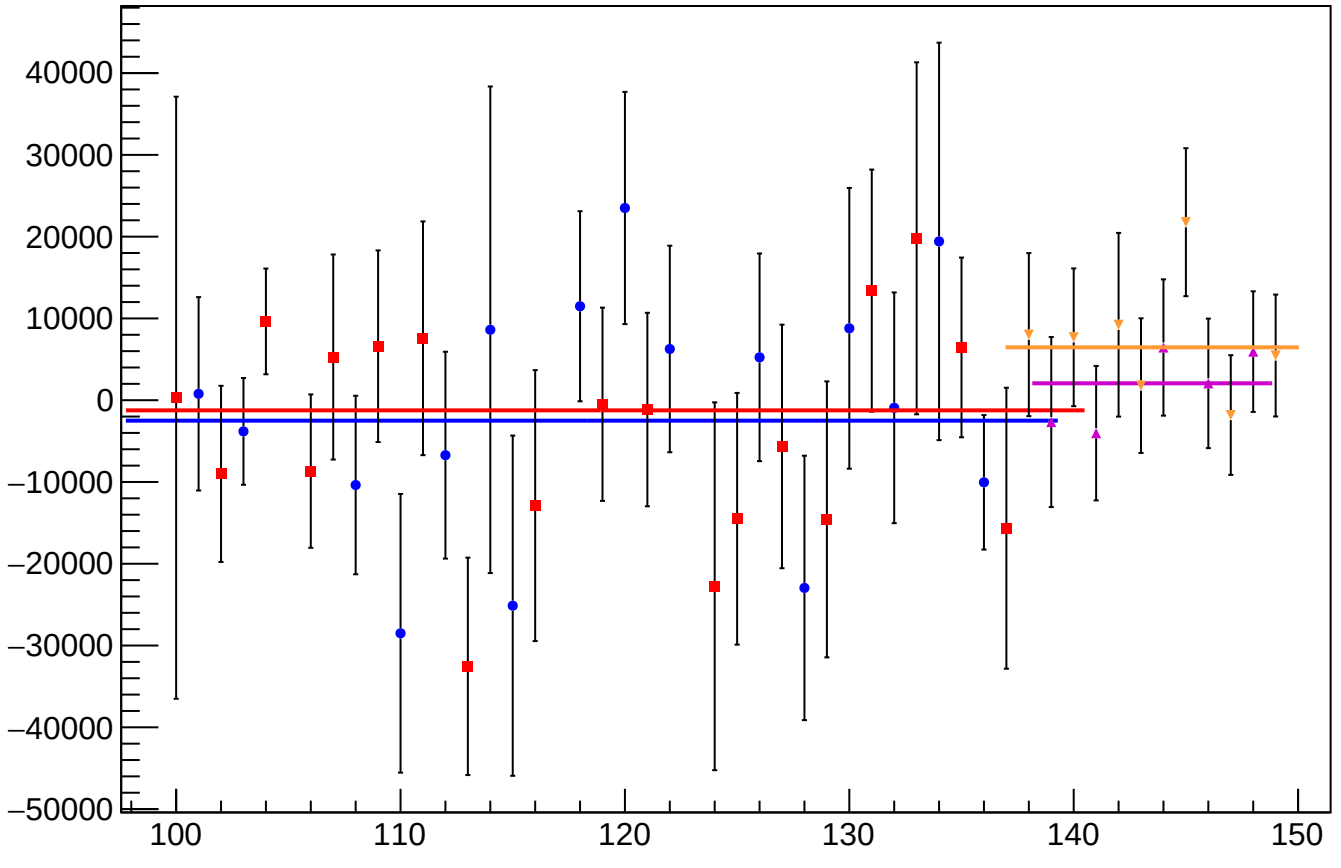
Left: 2569.294+/-0.584 χ^2/NDF: 81288.3/11

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2526.500+/-0.531 χ^2/NDF:645065.0/20

Out: 2502.484+/-0.503 χ^2/NDF:502363.0/25

All: 2513.831+/-0.365 χ^2/NDF: 1148505.4/46



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6465.614+/-3231.924 χ^2/NDF:4.6/6

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2067.147+/-3706.781 χ^2/NDF:1.3/4

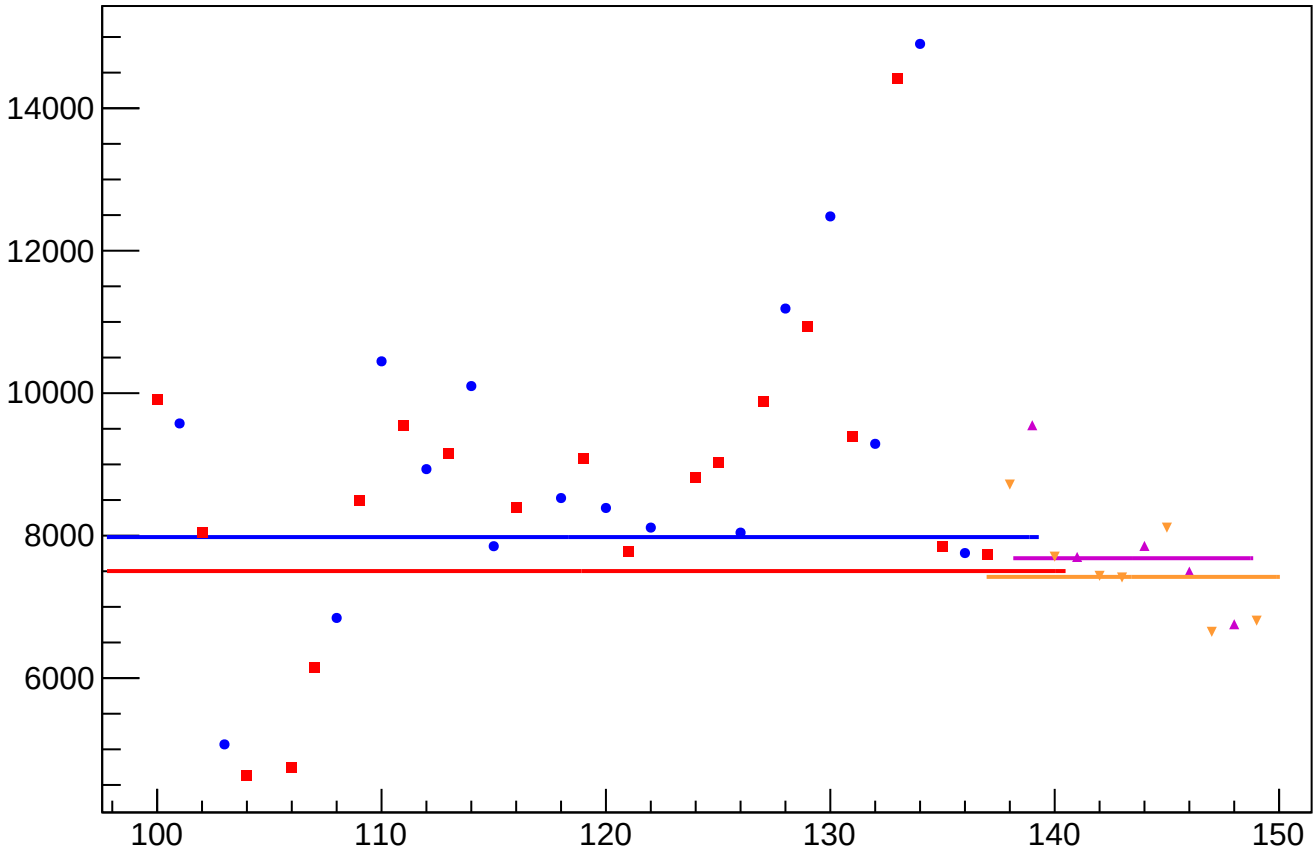
Left: 4565.990+/-2436.015 χ^2/NDF: 6.7/11

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -637.981+/-2366.970 χ^2/NDF:16.0/20

Out: 2188.385+/-2155.752 χ^2/NDF:24.4/25

All: 906.911+/-1593.799 χ^2/NDF: 41.1/46



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7421.031+/-2.285 χ^2/NDF:83580.2/6

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: 7534.173+/-1.723 χ^2/NDF: 187343.0/11

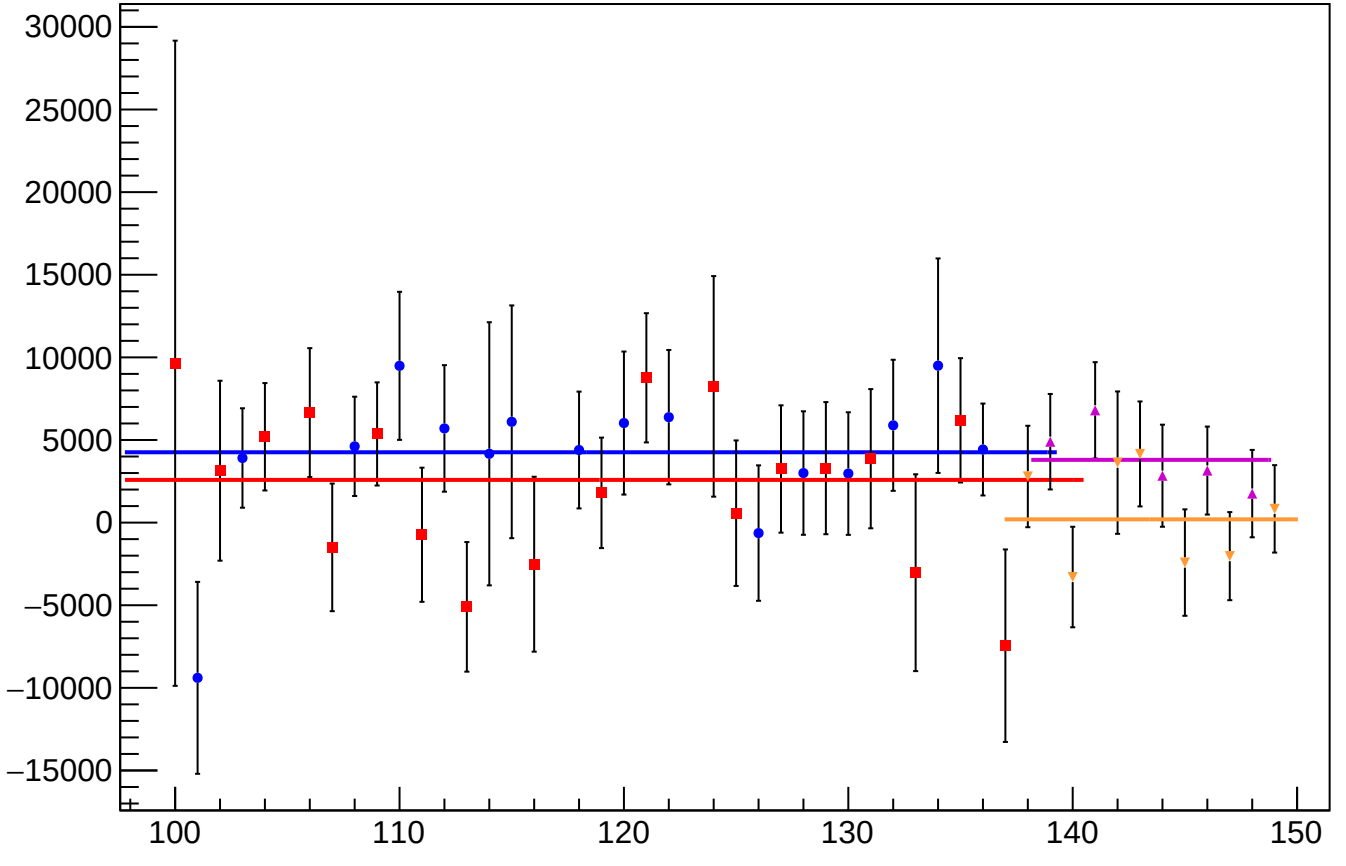
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7858.790+/-1.674 χ^2/NDF:1028467.1/20

Out: 7466.356+/-1.524 χ^2/NDF:1219812.3/25

All: 7644.285+/-1.127 χ^2/NDF: 2278329.6/46

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 198.176+/-1156.815 χ^2/NDF:5.6/6

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: 1839.964+/-853.215 χ^2/NDF: 12.0/11

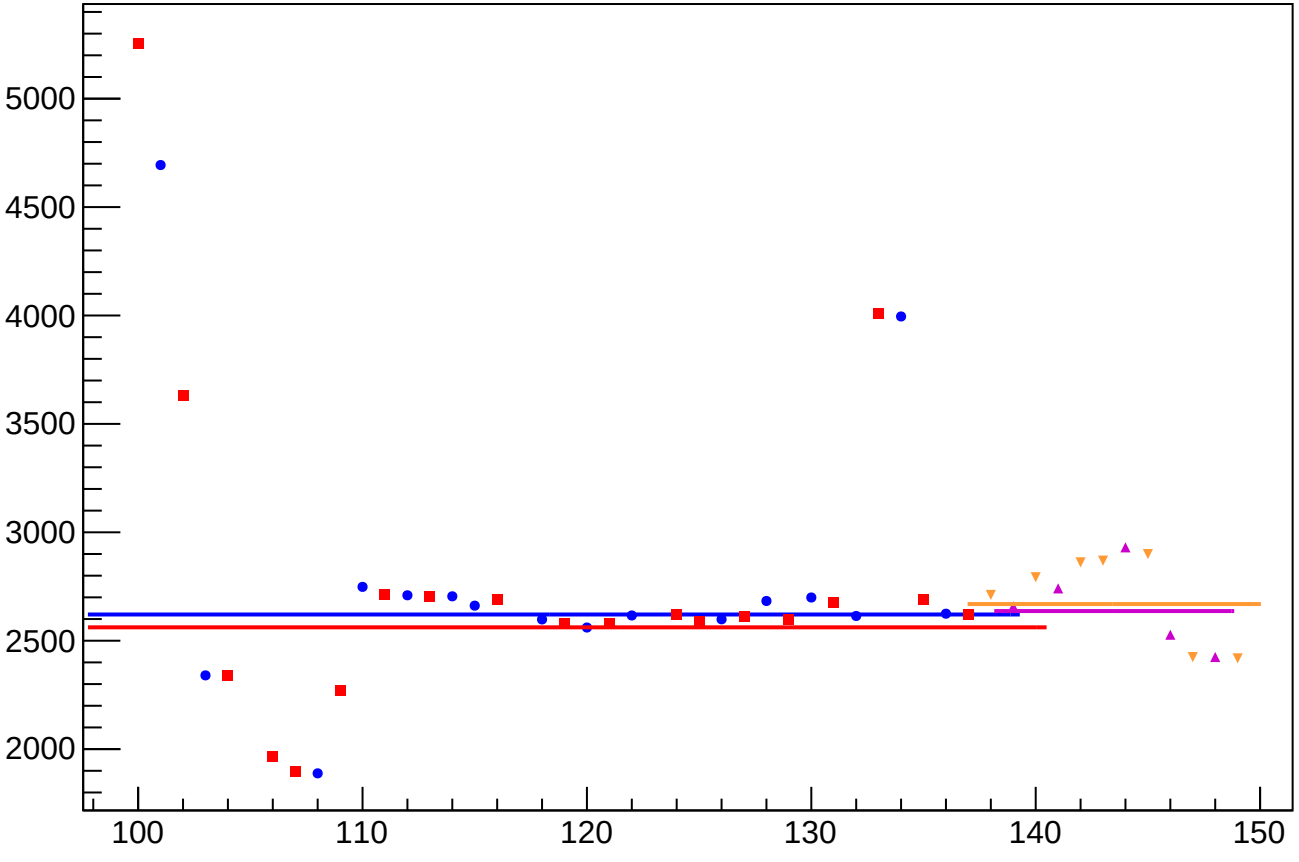
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4082.449+/-779.539 χ^2/NDF:12.1/20

Out: 1604.174+/-741.497 χ^2/NDF:25.8/25

All: 2781.367+/-537.263 χ^2/NDF: 43.2/46

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2669.101+/-0.818 χ^2/NDF:60644.6/6

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2636.787+/-0.893 χ^2/NDF:36987.7/4

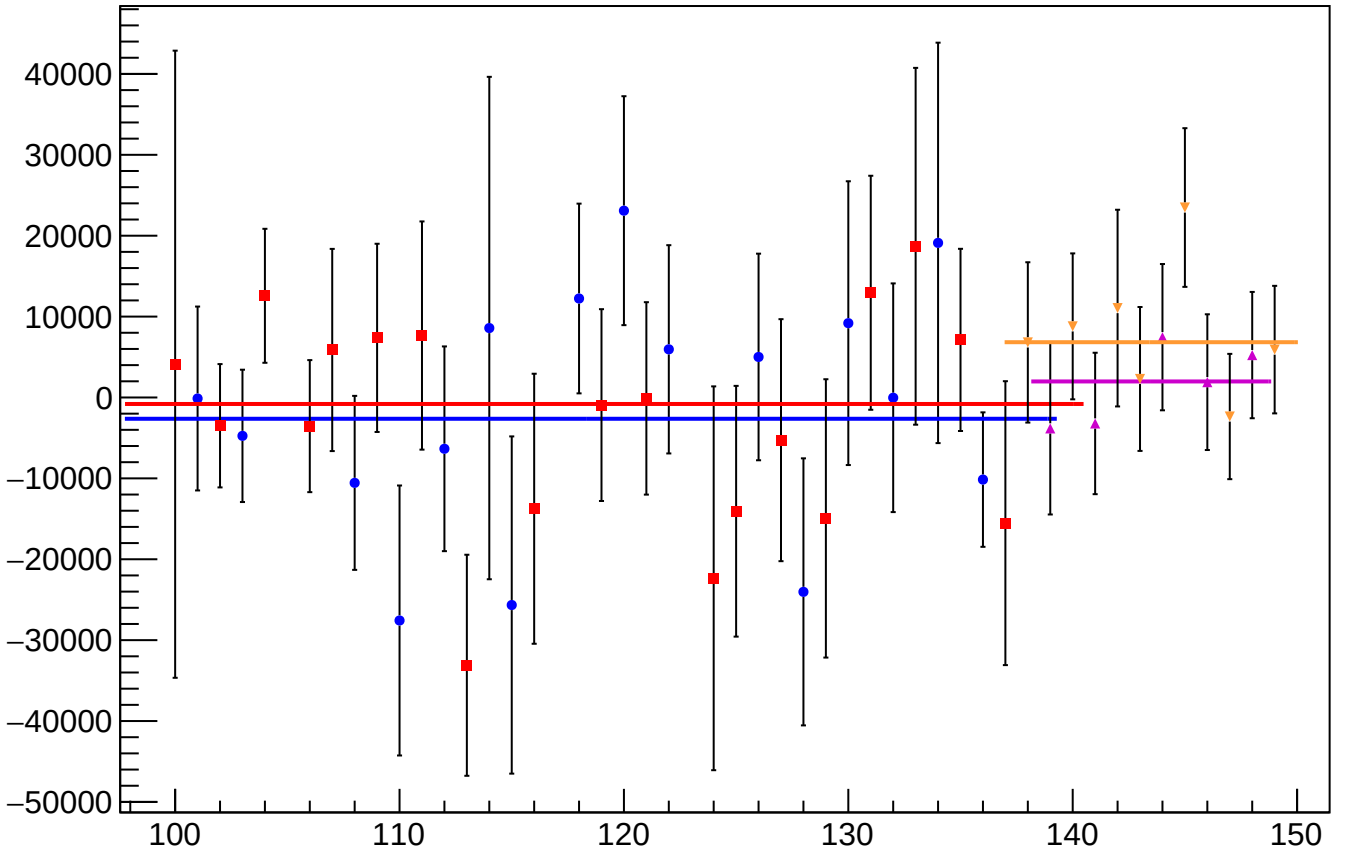
Left: 2654.365+/-0.603 χ^2/NDF: 98343.9/11

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2626.987+/-0.551 χ^2/NDF:523096.1/20

Out: 2605.807+/-0.524 χ^2/NDF:449061.8/25

All: 2615.864+/-0.380 χ^2/NDF: 972933.3/46



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 6834.294+/-3429.465 χ^2/NDF:4.7/6

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 1982.034+/-3929.828 χ^2/NDF:1.2/4

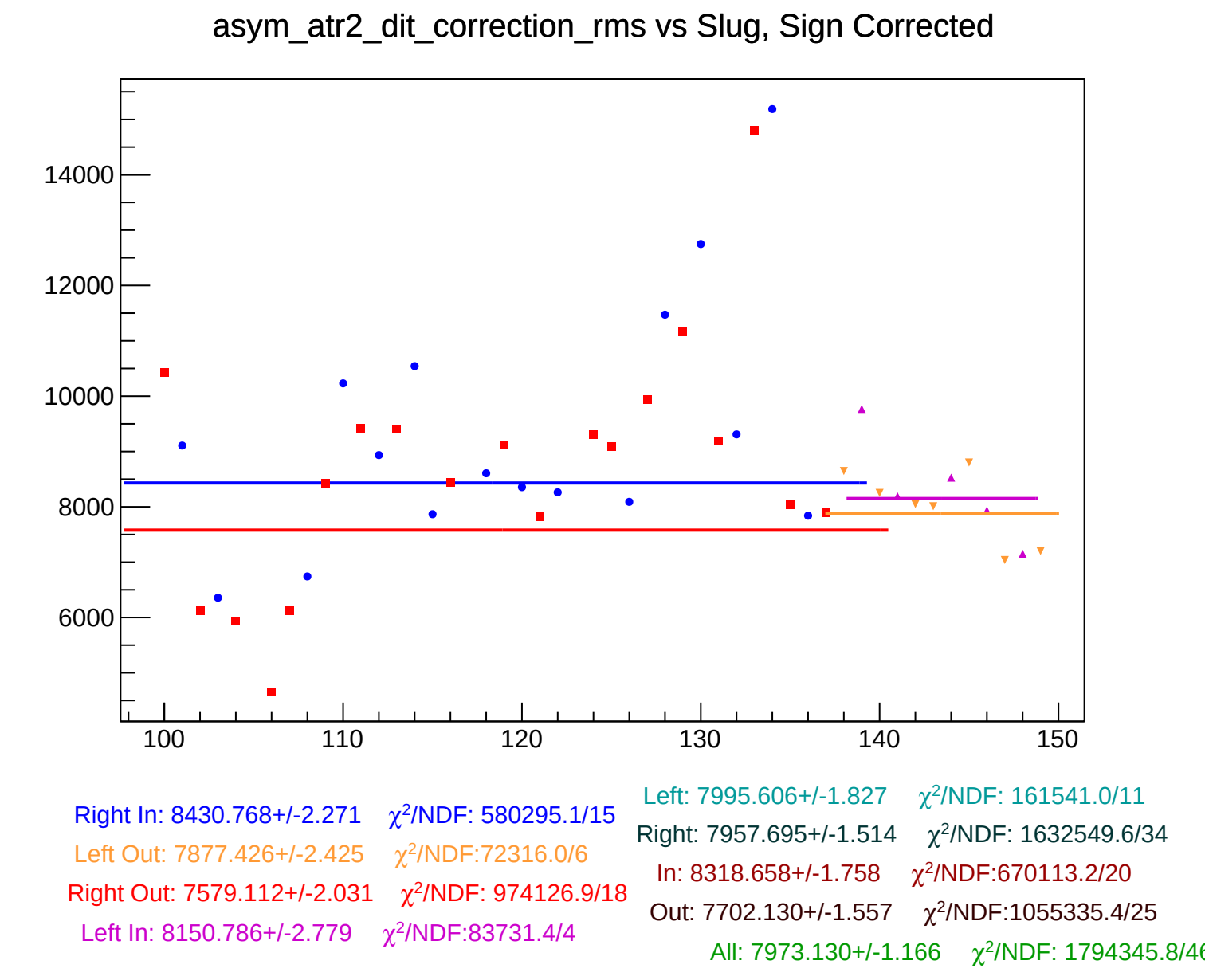
Left: 4736.554+/-2583.910 χ^2/NDF: 6.8/11

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

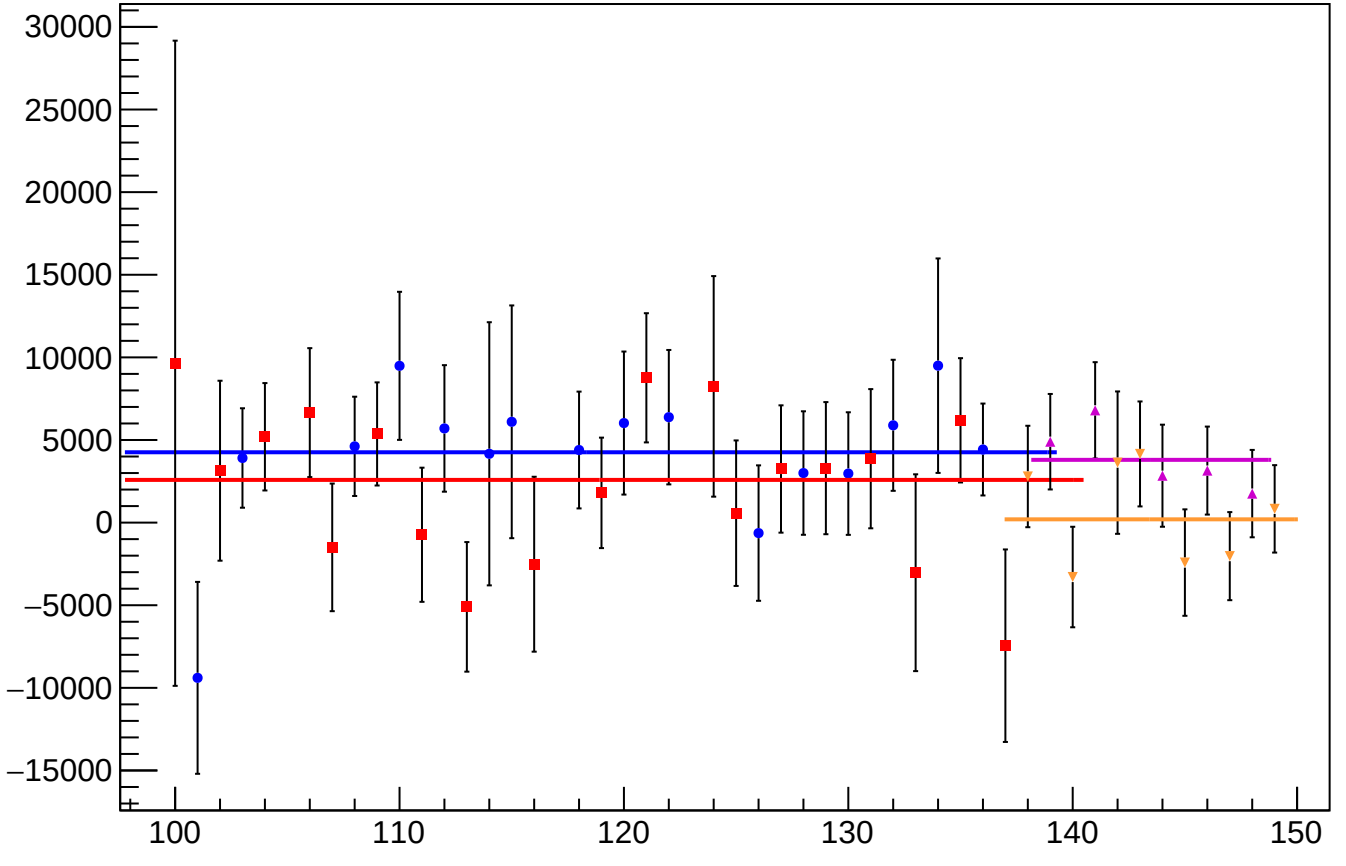
In: -784.396+/-2486.749 χ^2/NDF:15.8/20

Out: 2346.528+/-2202.290 χ^2/NDF:23.0/25

All: 970.306+/-1648.693 χ^2/NDF: 39.8/46


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 7877.426+/-2.425 χ²/NDF:72316.0/6
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8150.786+/-2.779 χ²/NDF:83731.4/4
Left: 7995.606+/-1.827 χ²/NDF: 161541.0/11
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8318.658+/-1.758 χ²/NDF:670113.2/20
Out: 7702.130+/-1.557 χ²/NDF:1055335.4/25
All: 7973.130+/-1.166 χ²/NDF: 1794345.8/46

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 198.178+/-1156.816 χ^2/NDF:5.6/6

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: 1839.961+/-853.216 χ^2/NDF: 12.0/11

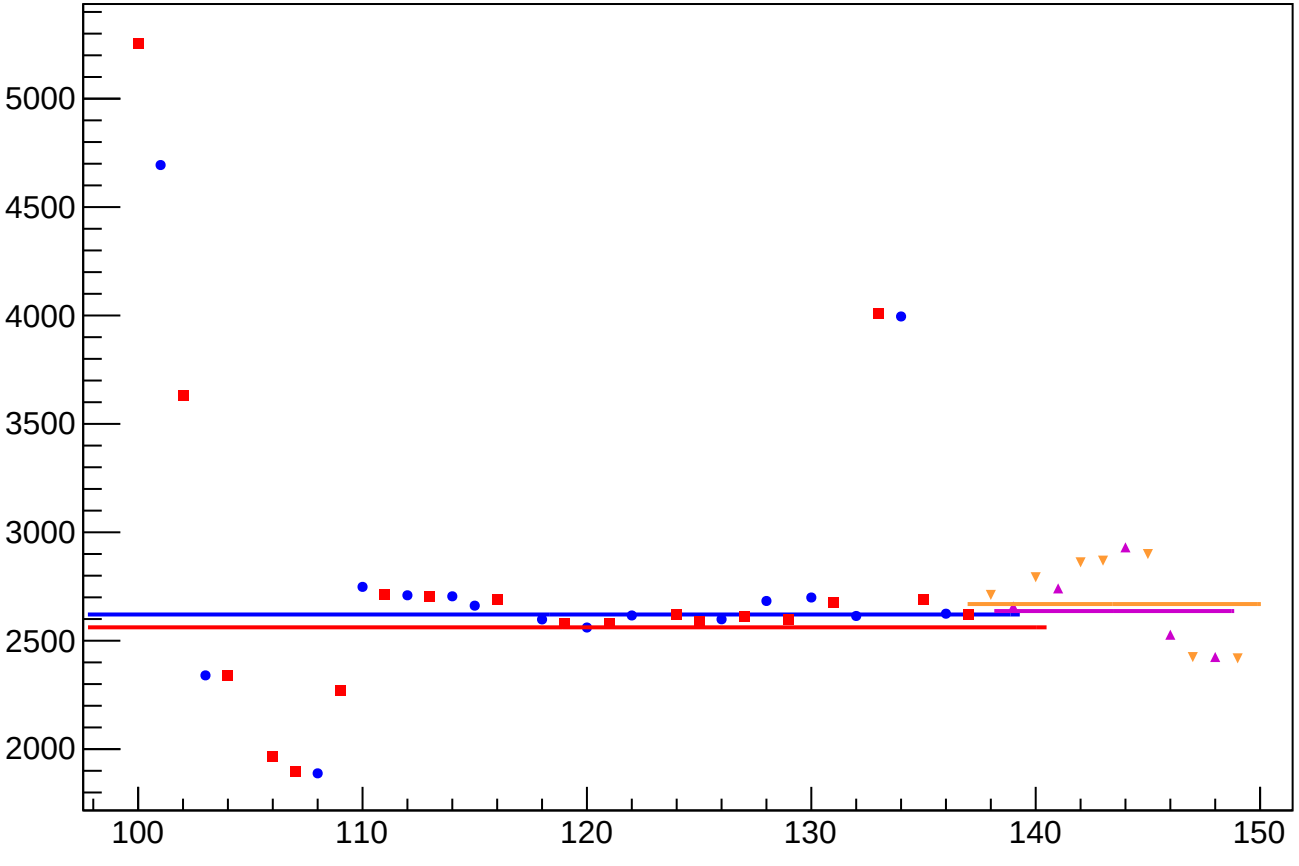
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4082.451+/-779.539 χ^2/NDF:12.1/20

Out: 1604.182+/-741.497 χ^2/NDF:25.8/25

All: 2781.372+/-537.263 χ^2/NDF: 43.2/46

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2669.103+/-0.818 χ^2/NDF:60644.6/6

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2636.789+/-0.893 χ^2/NDF:36987.4/4

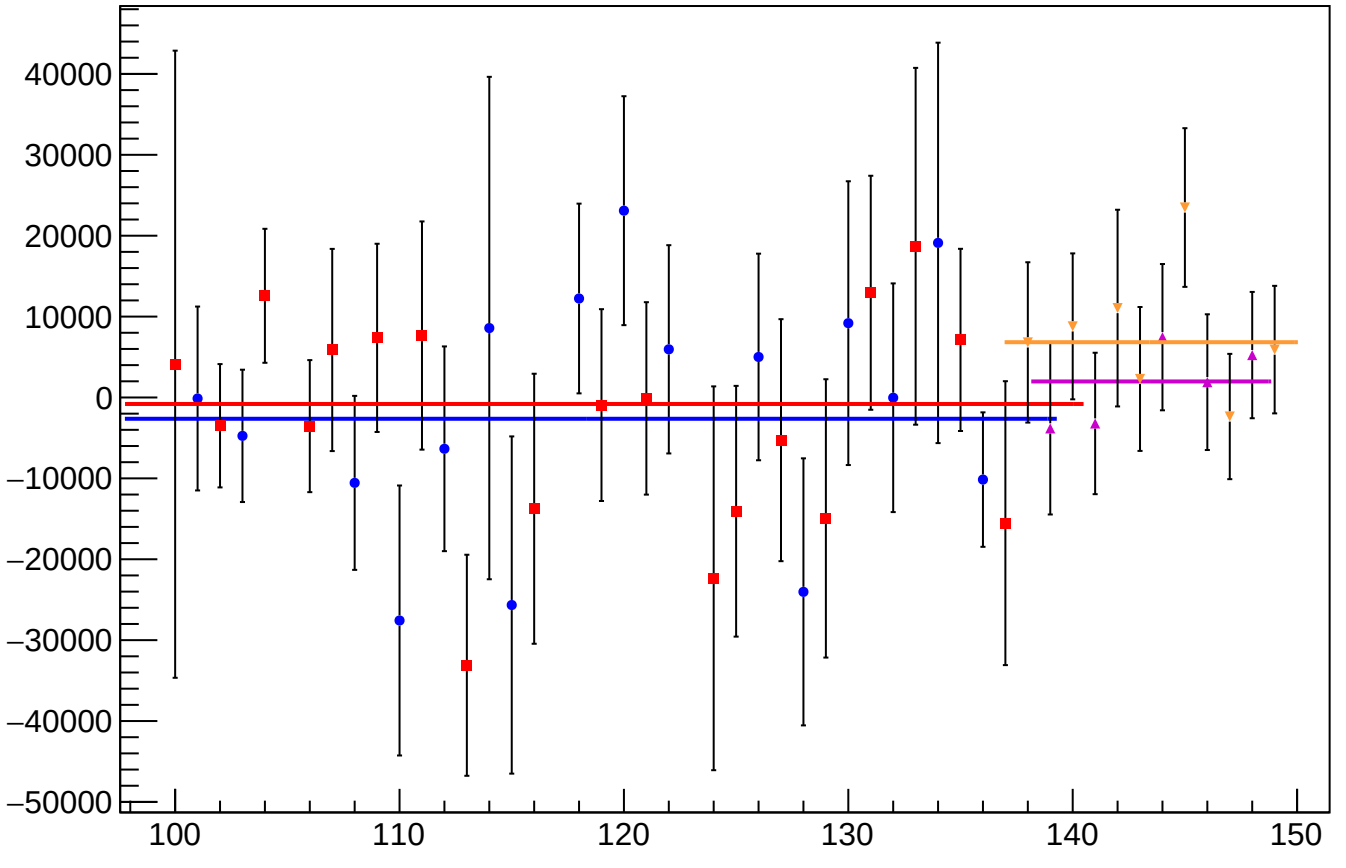
Left: 2654.367+/-0.603 χ^2/NDF: 98343.6/11

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2626.987+/-0.551 χ^2/NDF:523096.1/20

Out: 2605.807+/-0.524 χ^2/NDF:449061.7/25

All: 2615.864+/-0.380 χ^2/NDF: 972933.1/46



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 6834.300+/-3429.471 χ^2/NDF:4.7/6

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1982.019+/-3929.833 χ^2/NDF:1.2/4

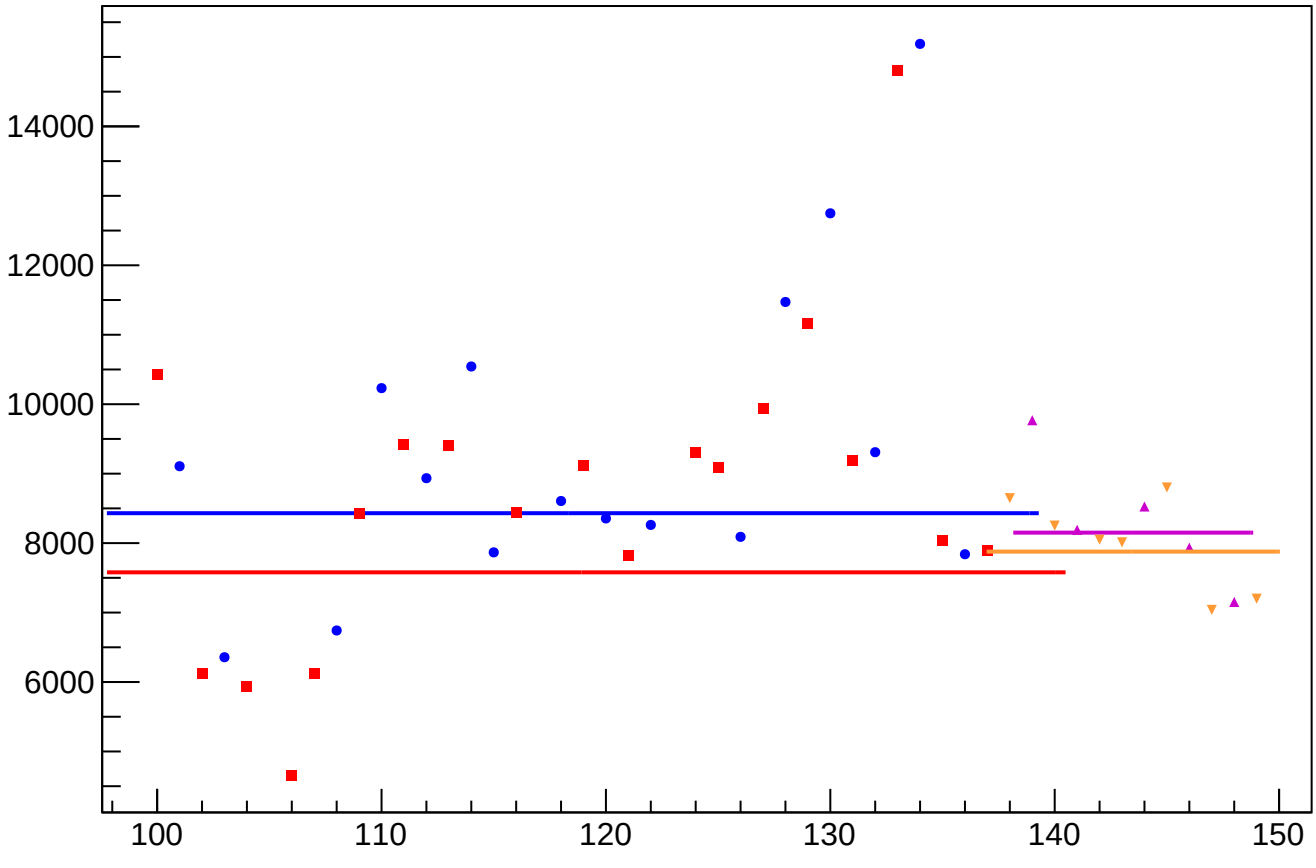
Left: 4736.550+/-2583.913 χ^2/NDF: 6.8/11

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -784.388+/-2486.748 χ^2/NDF:15.8/20

Out: 2346.521+/-2202.289 χ^2/NDF:23.0/25

All: 970.306+/-1648.693 χ^2/NDF: 39.8/46



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 7877.438+/-2.425 χ^2/NDF:72315.9/6

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8150.797+/-2.779 χ^2/NDF:83731.4/4

Left: 7995.617+/-1.827 χ^2/NDF: 161540.8/11

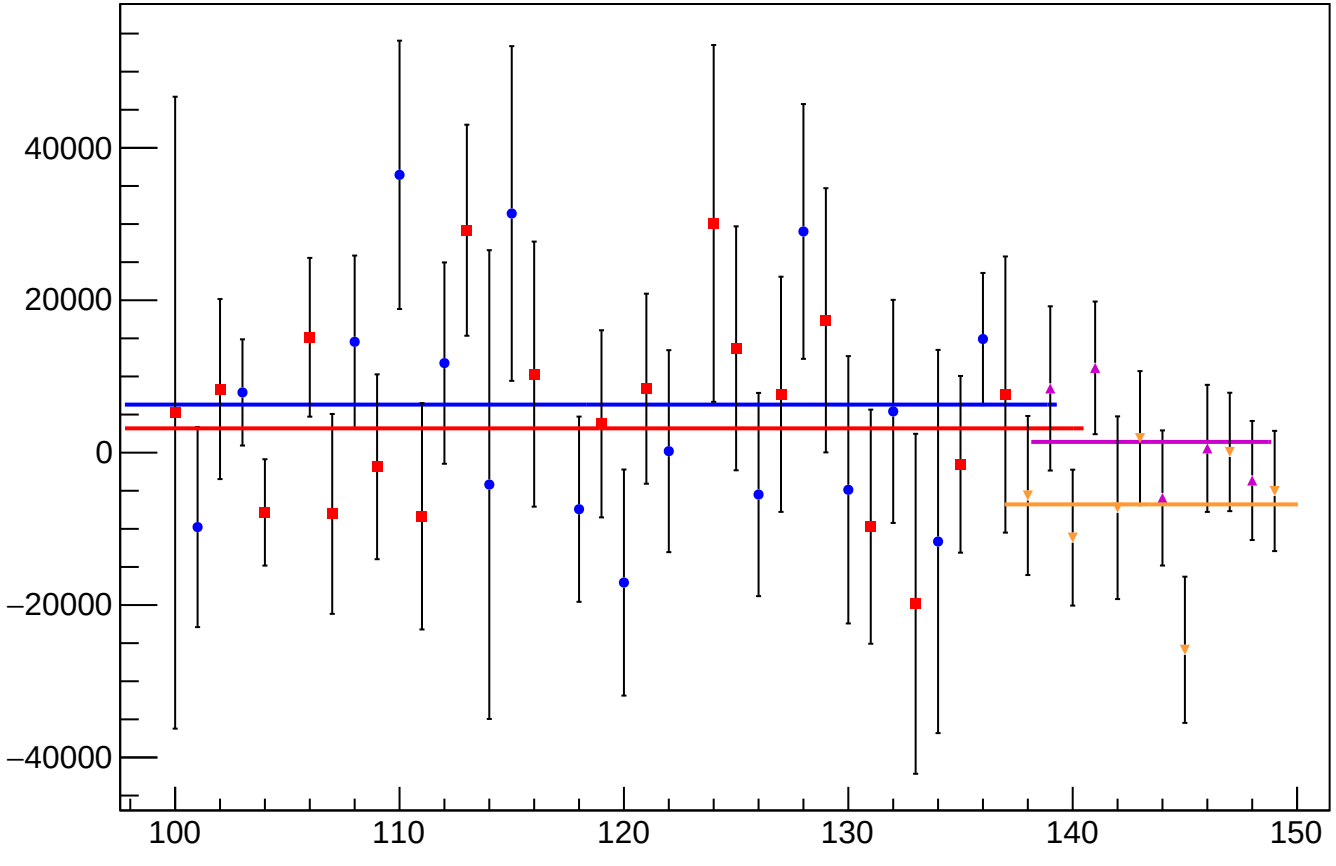
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8318.656+/-1.758 χ^2/NDF:670106.6/20

Out: 7702.128+/-1.557 χ^2/NDF:1055333.0/25

All: 7973.128+/-1.166 χ^2/NDF: 1794337.0/46

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -6787.153+/-3427.281 χ^2/NDF:6.0/6

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: -3229.135+/-2578.353 χ^2/NDF: 11.3/11

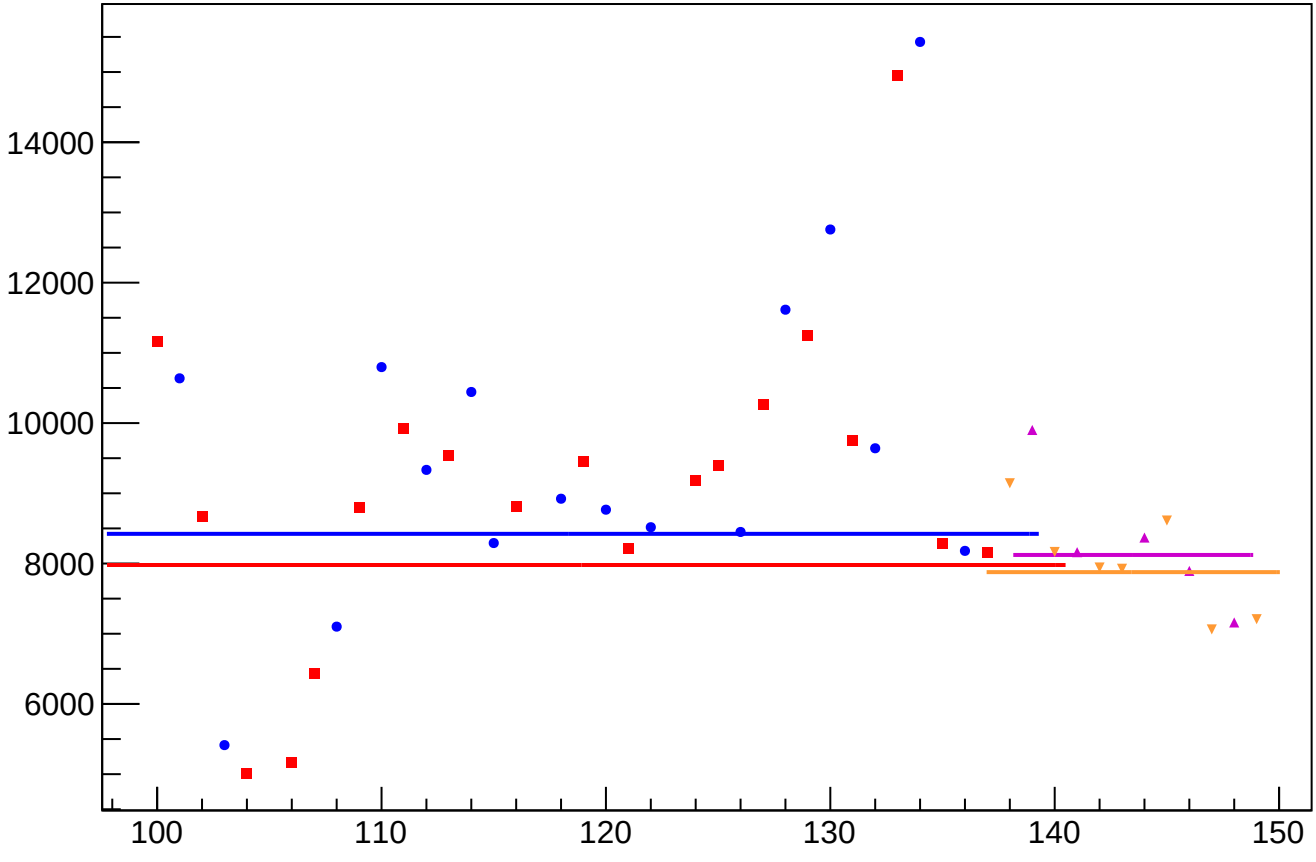
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4315.914+/-2495.581 χ^2/NDF:18.8/20

Out: -1249.777+/-2286.175 χ^2/NDF:24.6/25

All: 1289.799+/-1685.748 χ^2/NDF: 46.1/46

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 7877.422+/-2.423 χ^2/NDF:79826.8/6

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8121.991+/-2.767 χ^2/NDF:87921.6/4

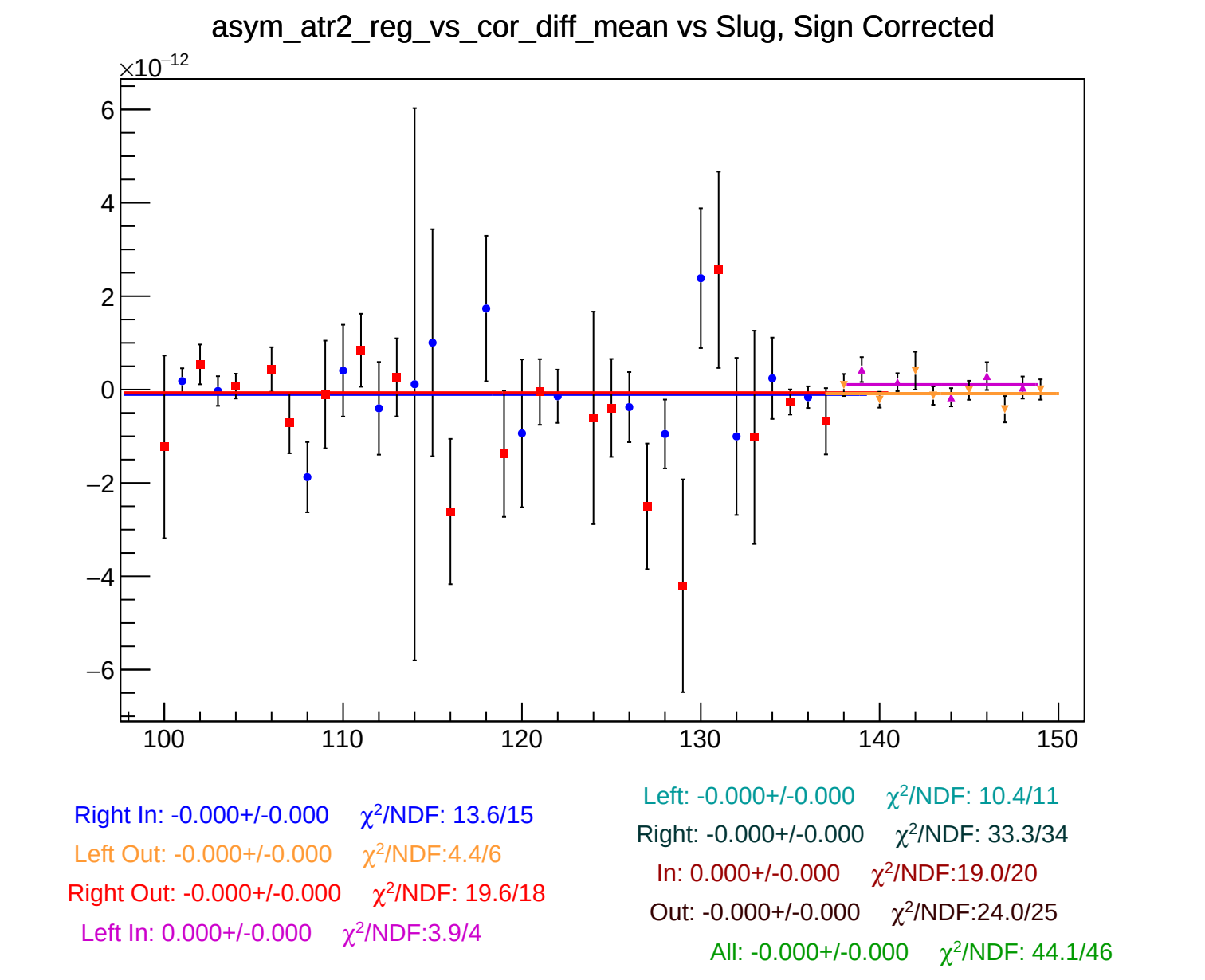
Left: 7983.575+/-1.823 χ^2/NDF: 172168.9/11

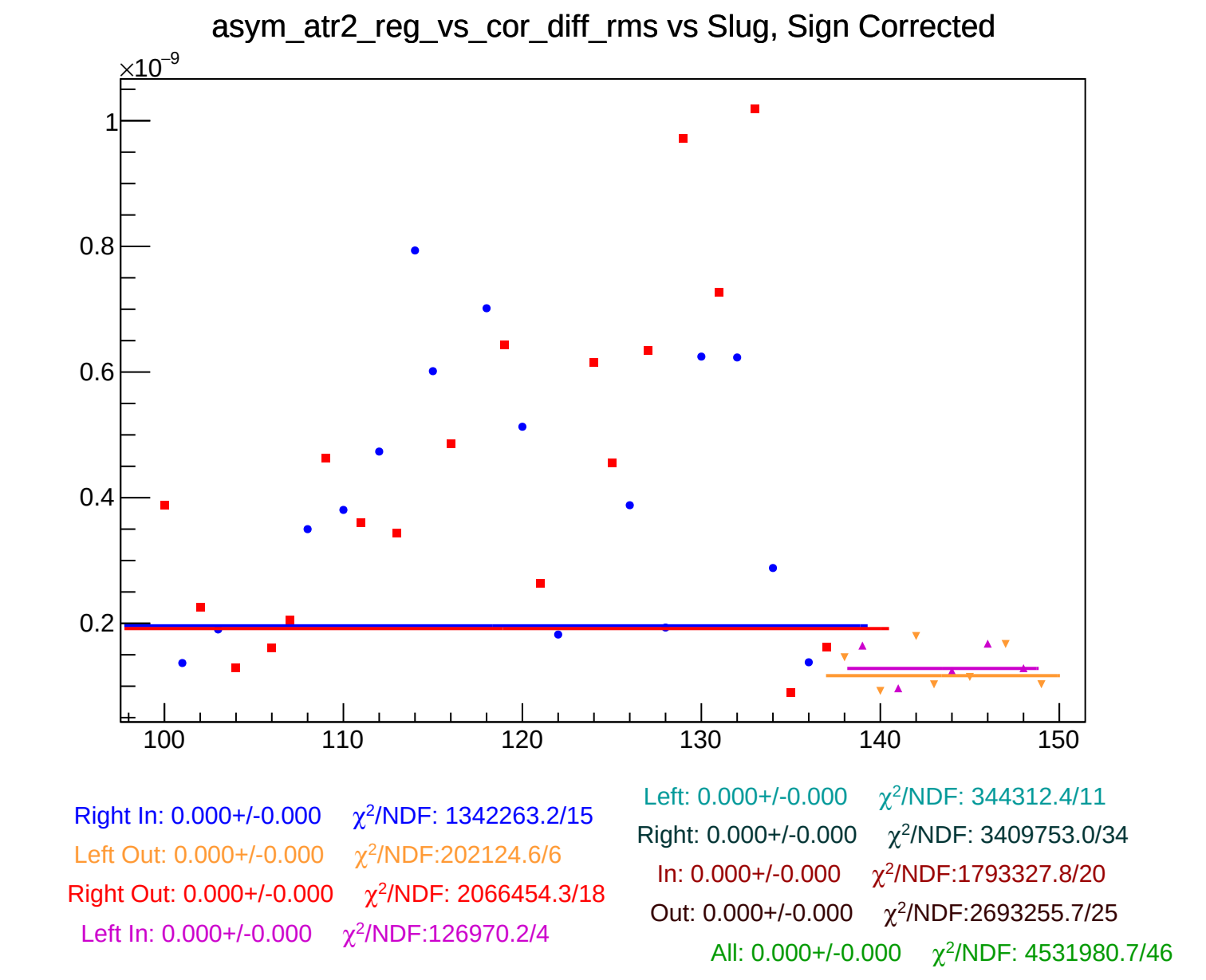
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

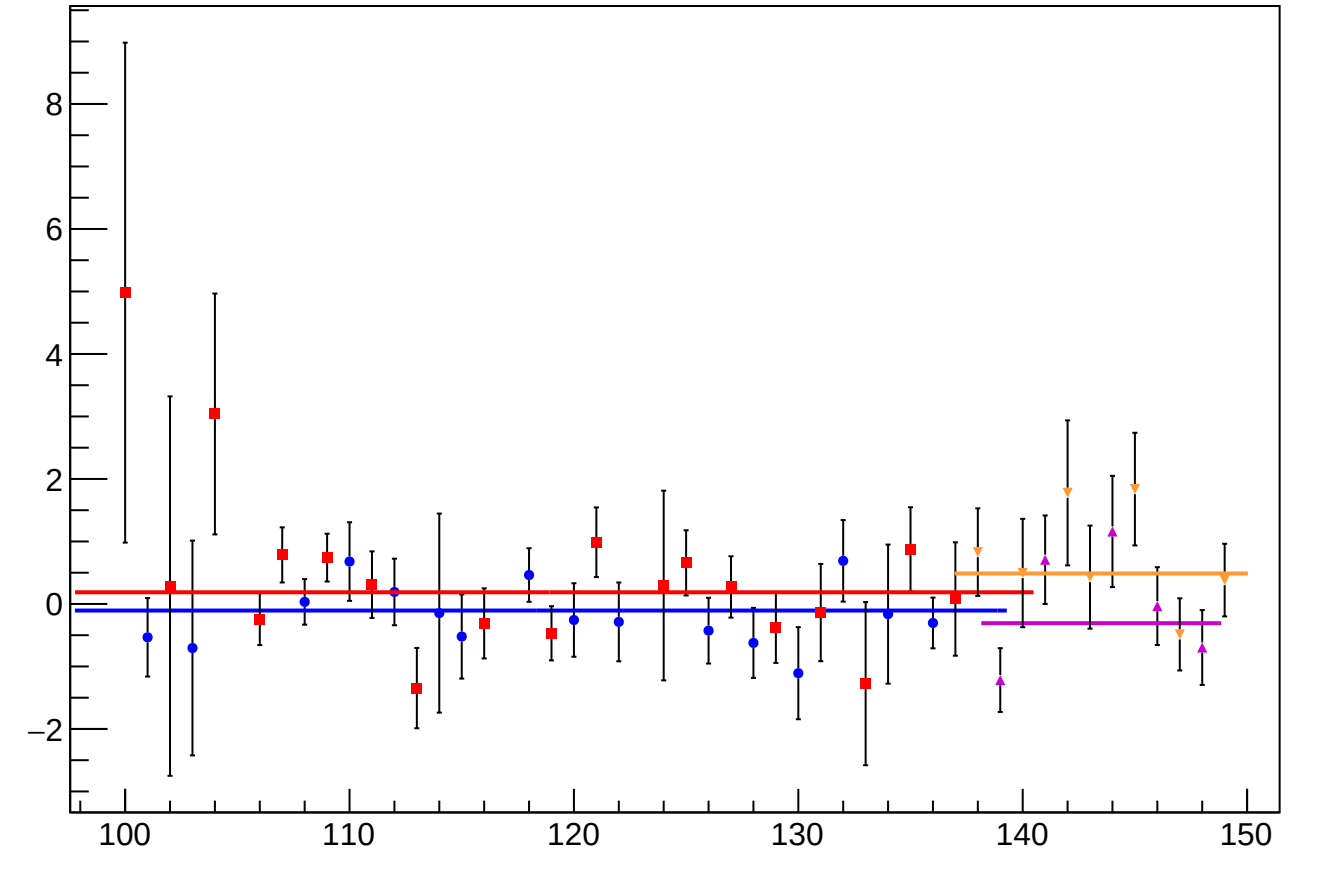
In: 8300.436+/-1.765 χ^2/NDF:976762.8/20

Out: 7933.801+/-1.617 χ^2/NDF:1096820.9/25

All: 8101.091+/-1.192 χ^2/NDF: 2097054.4/46


asym_atr2_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: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:4.4/6
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:3.9/4
Left: -0.000+/-0.000 χ²/NDF: 10.4/11
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:19.0/20
Out: -0.000+/-0.000 χ²/NDF:24.0/25
All: -0.000+/-0.000 χ²/NDF: 44.1/46


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:202124.6/6
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: 344312.4/11
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:2693255.7/25
All: 0.000+/-0.000 χ²/NDF: 4531980.7/46



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.488+/-0.280 χ^2/NDF:6.6/6

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: 0.095+/-0.199 χ^2/NDF: 19.2/11

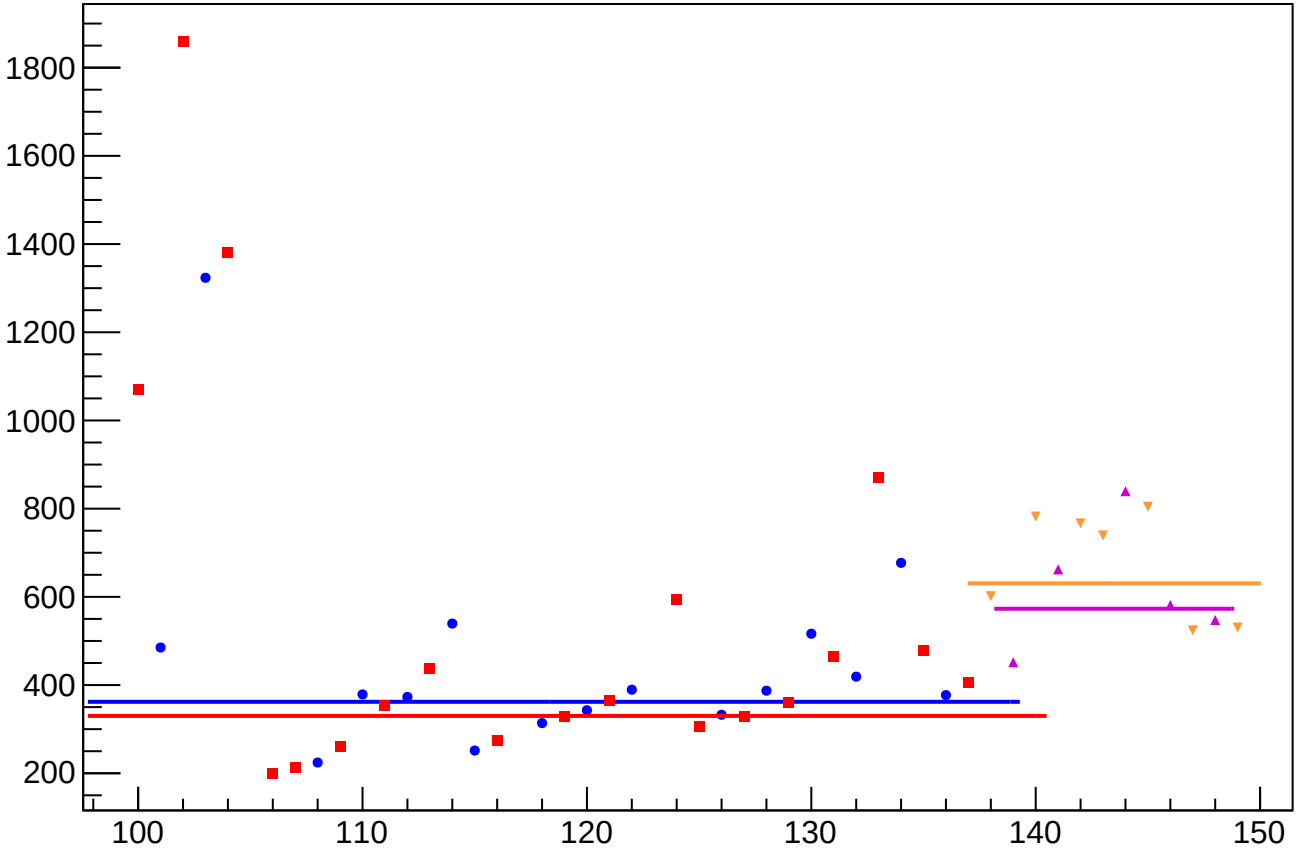
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.147+/-0.129 χ^2/NDF:18.7/20

Out: 0.245+/-0.123 χ^2/NDF:31.4/25

All: 0.058+/-0.089 χ^2/NDF: 54.9/46

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 630.565+/-0.198 χ^2/NDF:328749.6/6

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

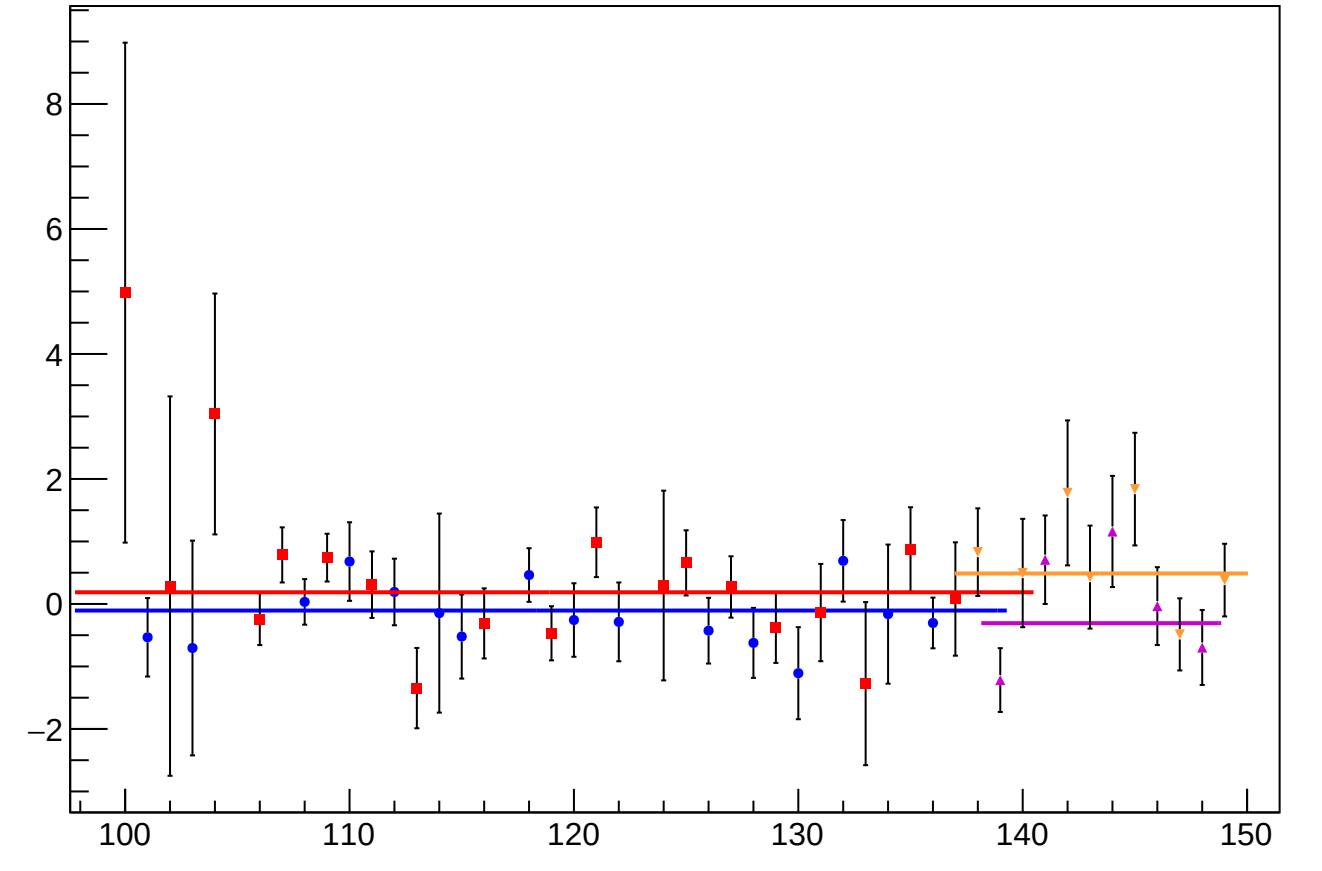
Left: 602.161+/-0.141 χ^2/NDF: 698715.2/11

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 405.674+/-0.091 χ^2/NDF:2585164.8/20

Out: 388.485+/-0.087 χ^2/NDF:4434018.4/25

All: 396.704+/-0.063 χ^2/NDF: 7037756.1/46



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.488+/-0.280 χ^2/NDF:6.6/6

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.307+/-0.283 χ^2/NDF:8.6/4

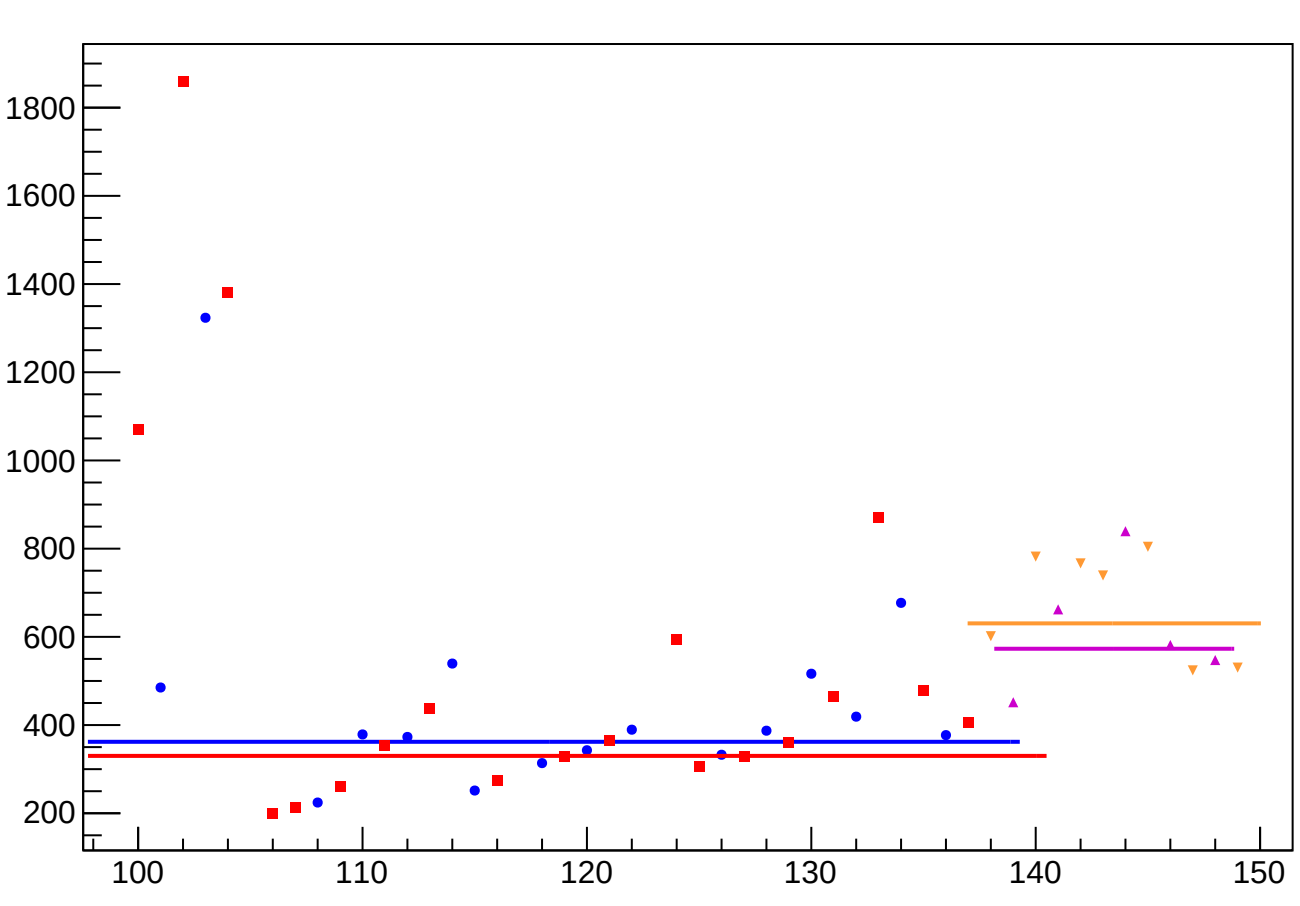
Left: 0.095+/-0.199 χ^2/NDF: 19.2/11

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.147+/-0.129 χ^2/NDF:18.7/20

Out: 0.245+/-0.123 χ^2/NDF:31.4/25

All: 0.058+/-0.089 χ^2/NDF: 54.9/46



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 630.565+/-0.198 χ^2/NDF:328749.6/6

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 573.026+/-0.200 χ^2/NDF:328202.3/4

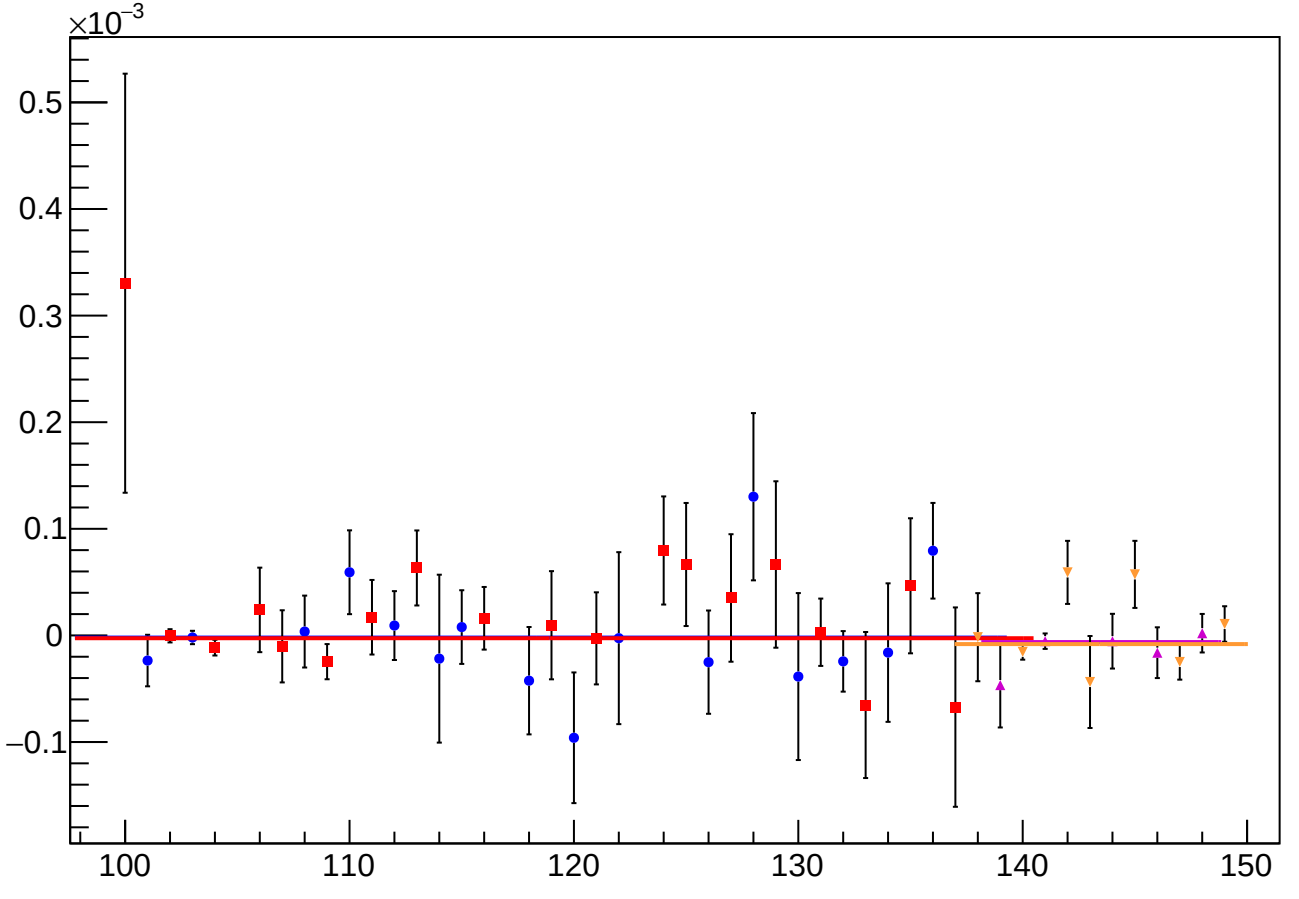
Left: 602.161+/-0.141 χ^2/NDF: 698715.2/11

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 405.674+/-0.091 χ^2/NDF:2585164.8/20

Out: 388.485+/-0.087 χ^2/NDF:4434018.4/25

All: 396.704+/-0.063 χ^2/NDF: 7037756.1/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

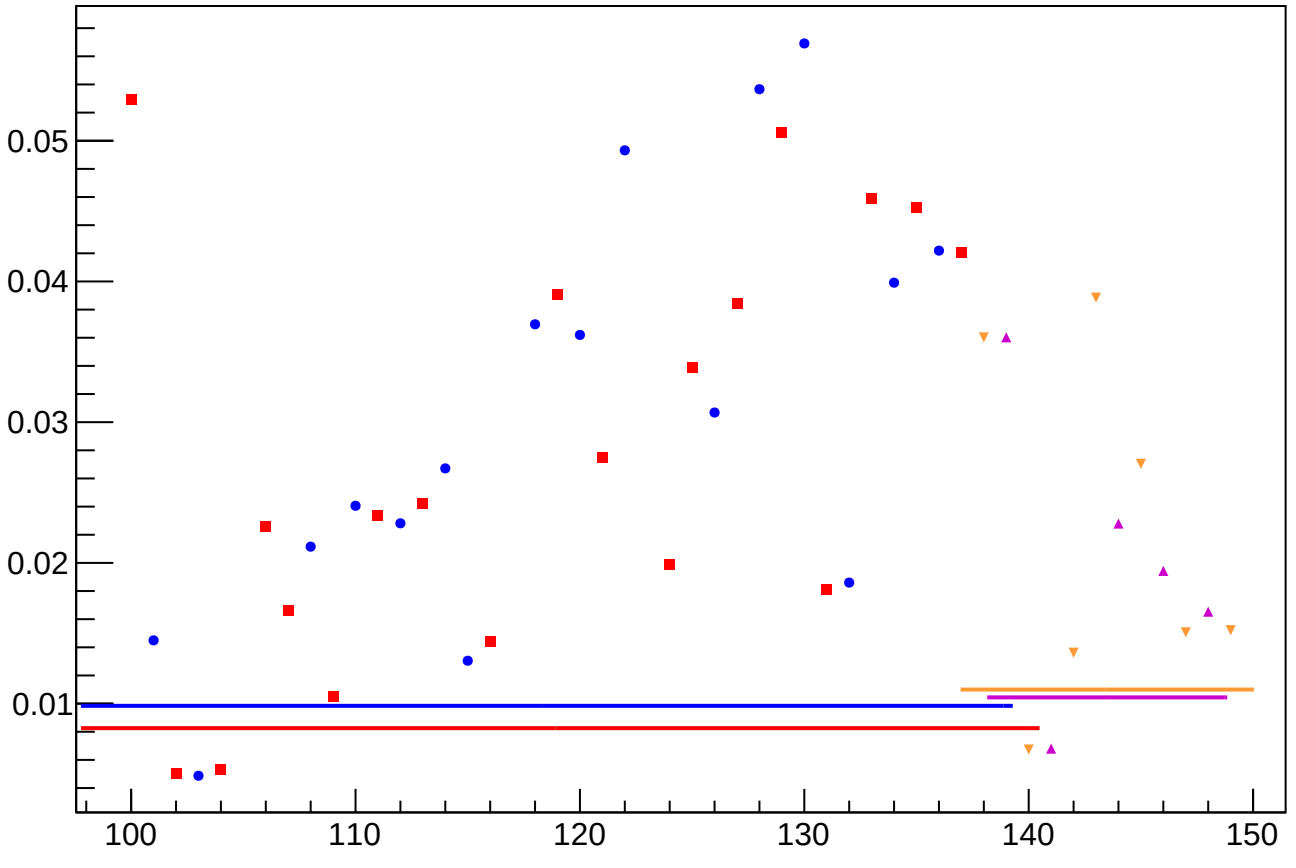
Left: -0.000+/-0.000 χ^2/NDF: 15.0/11

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:32.3/25

All: -0.000+/-0.000 χ^2/NDF: 47.7/46



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:3024082.5/6

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.010+/-0.000 χ^2/NDF:2308305.6/4

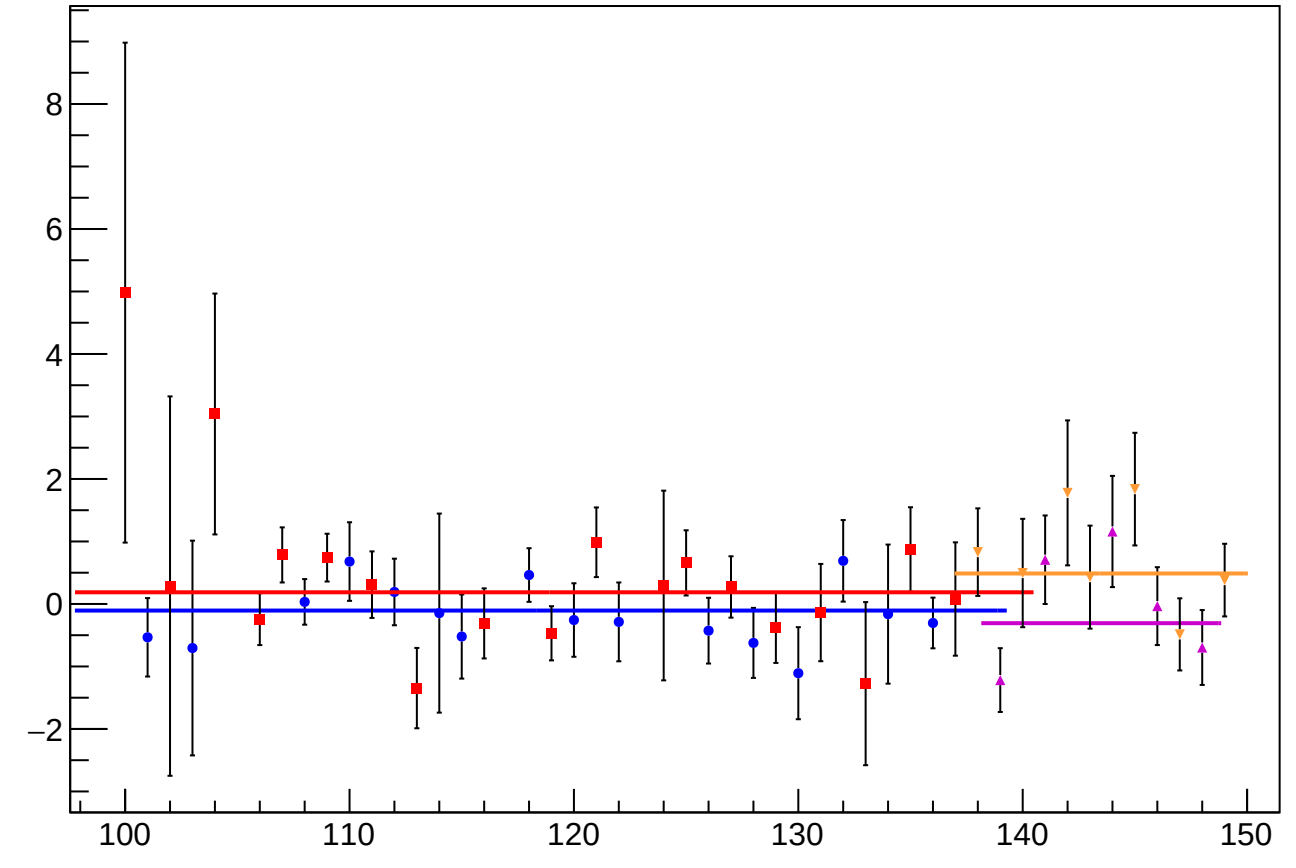
Left: 0.011+/-0.000 χ^2/NDF: 5340854.0/11

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:10052704.5/25

All: 0.010+/-0.000 χ^2/NDF: 19482427.7/46



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.488+/-0.280 χ^2/NDF:6.6/6

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.307+/-0.283 χ^2/NDF:8.6/4

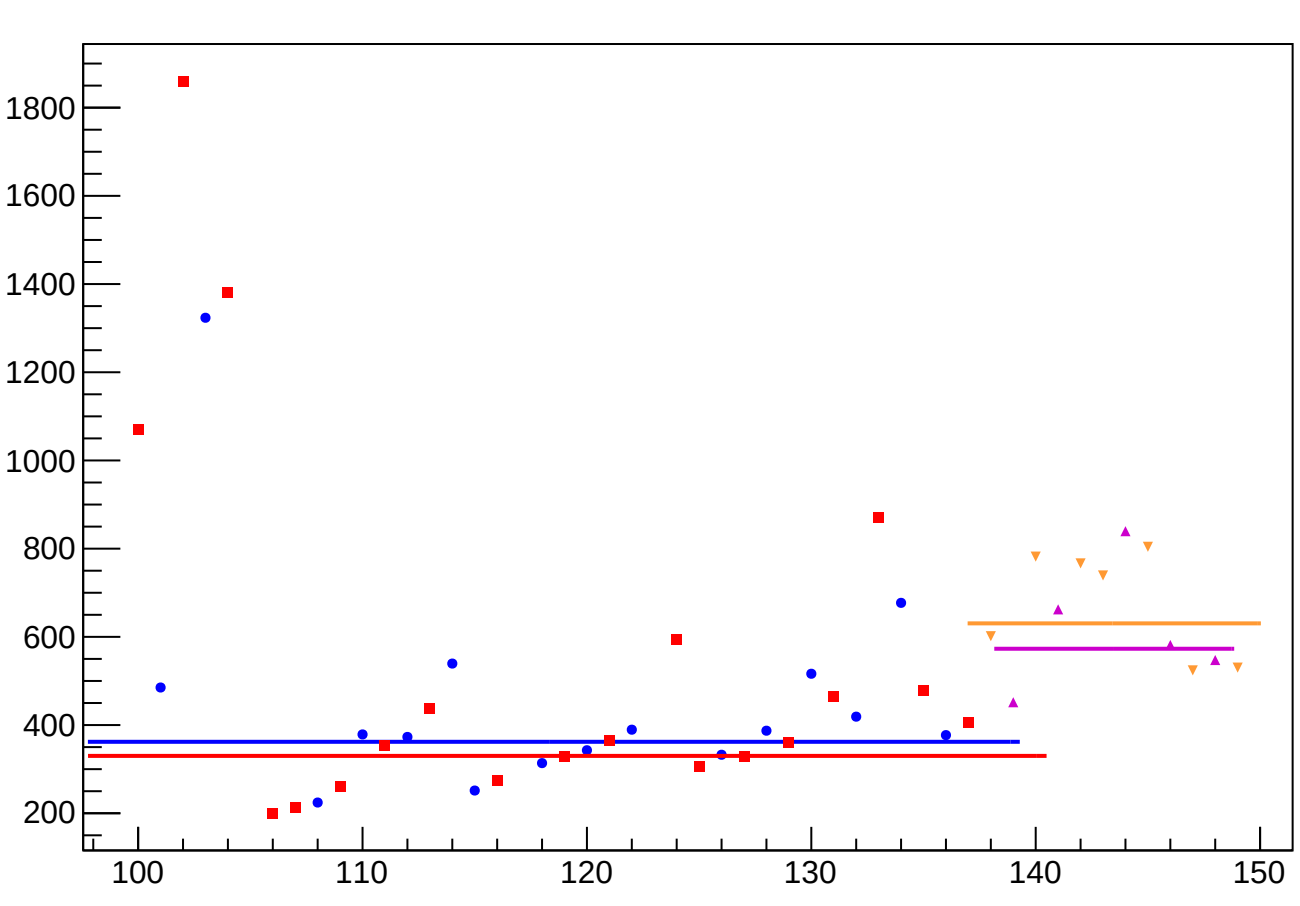
Left: 0.095+/-0.199 χ^2/NDF: 19.2/11

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.147+/-0.129 χ^2/NDF:18.7/20

Out: 0.245+/-0.123 χ^2/NDF:31.4/25

All: 0.058+/-0.089 χ^2/NDF: 54.9/46



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 630.575+/-0.198 χ^2/NDF:328734.6/6

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

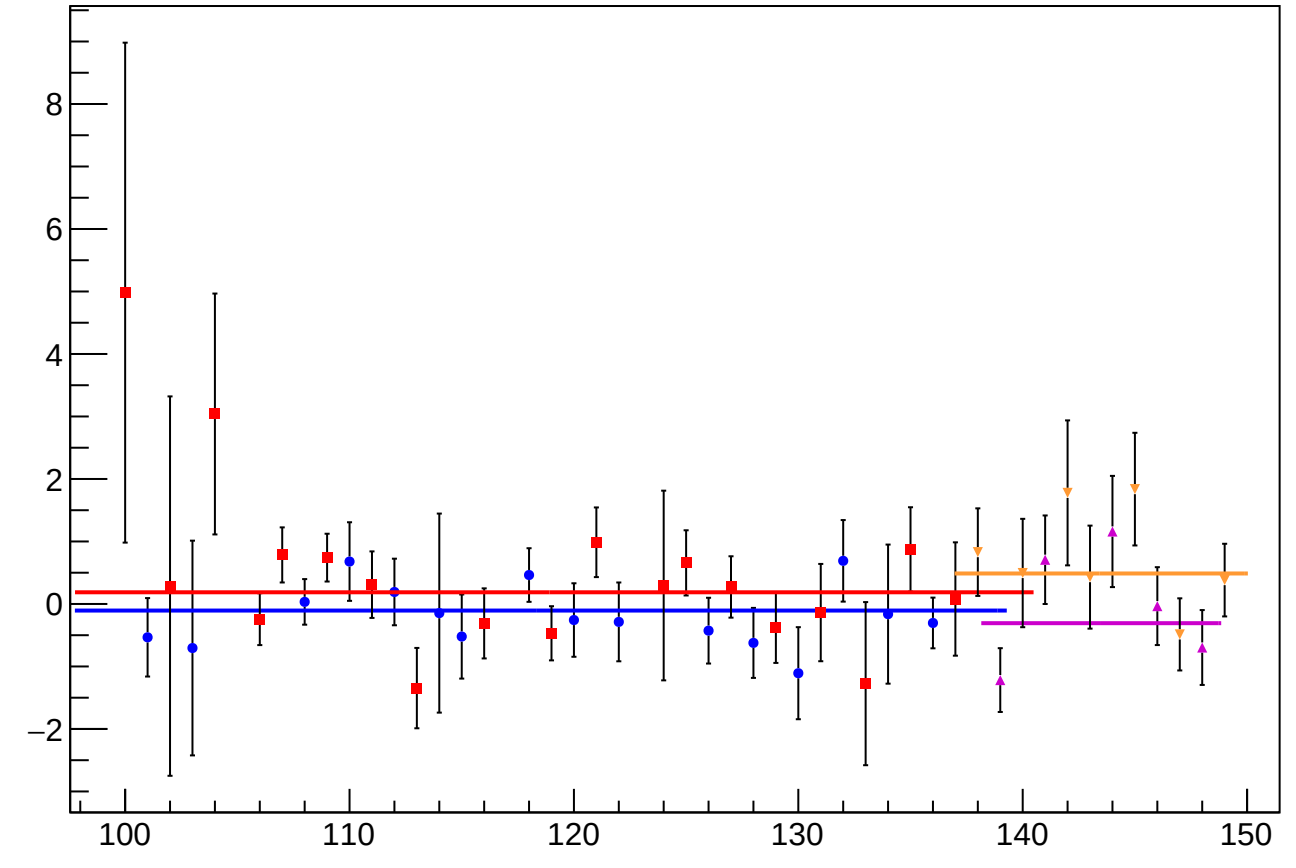
Left: 602.170+/-0.141 χ^2/NDF: 698686.2/11

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

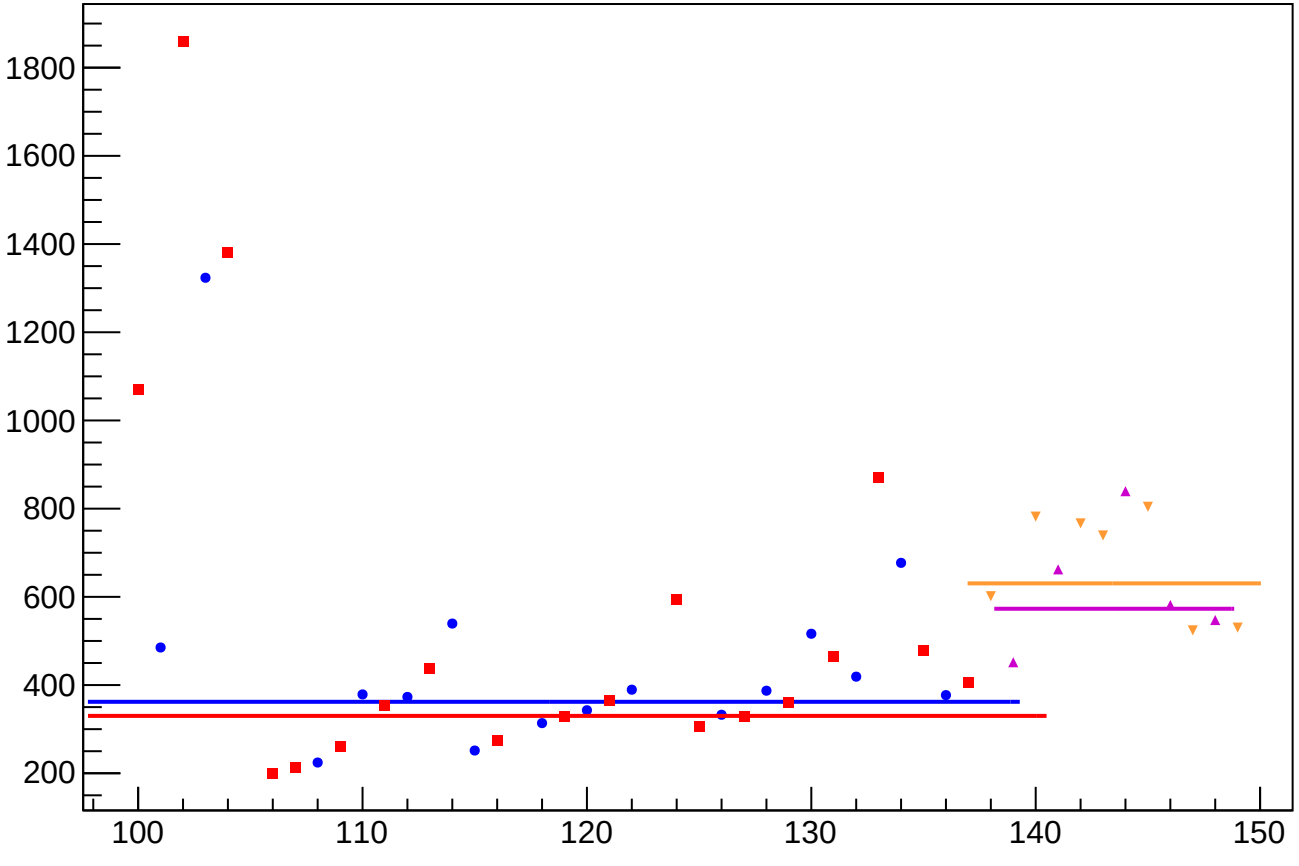
In: 405.672+/-0.091 χ^2/NDF:2585229.0/20

Out: 388.484+/-0.087 χ^2/NDF:4434090.4/25

All: 396.702+/-0.063 χ^2/NDF: 7037890.4/46


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: 0.488+/-0.280 χ²/NDF:6.6/6
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.307+/-0.283 χ²/NDF:8.6/4
Left: 0.095+/-0.199 χ²/NDF: 19.2/11
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.147+/-0.129 χ²/NDF:18.7/20
Out: 0.245+/-0.123 χ²/NDF:31.4/25
All: 0.058+/-0.089 χ²/NDF: 54.9/46

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 630.575+/-0.198 χ^2/NDF:328734.6/6

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 573.034+/-0.200 χ^2/NDF:328187.7/4

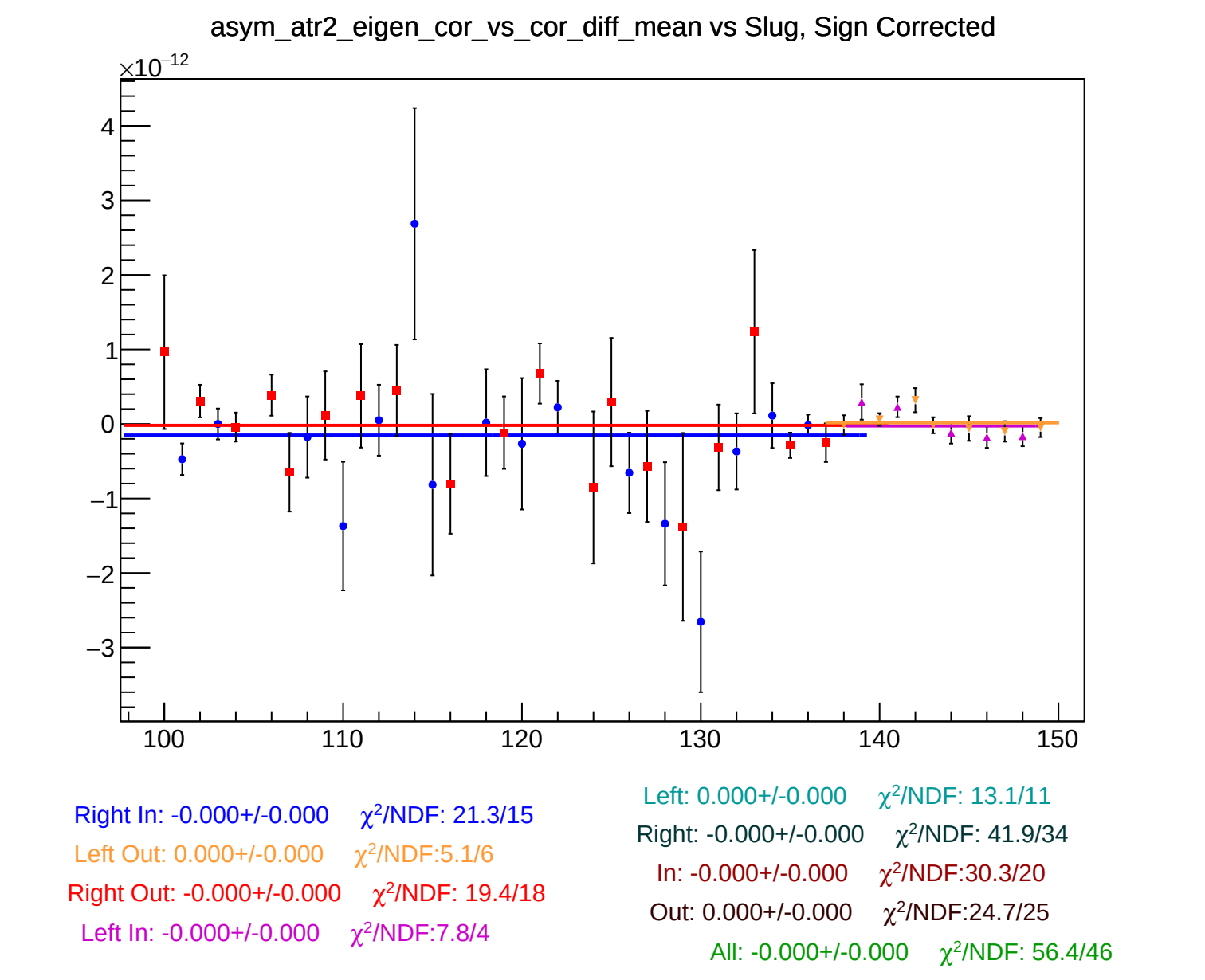
Left: 602.170+/-0.141 χ^2/NDF: 698686.2/11

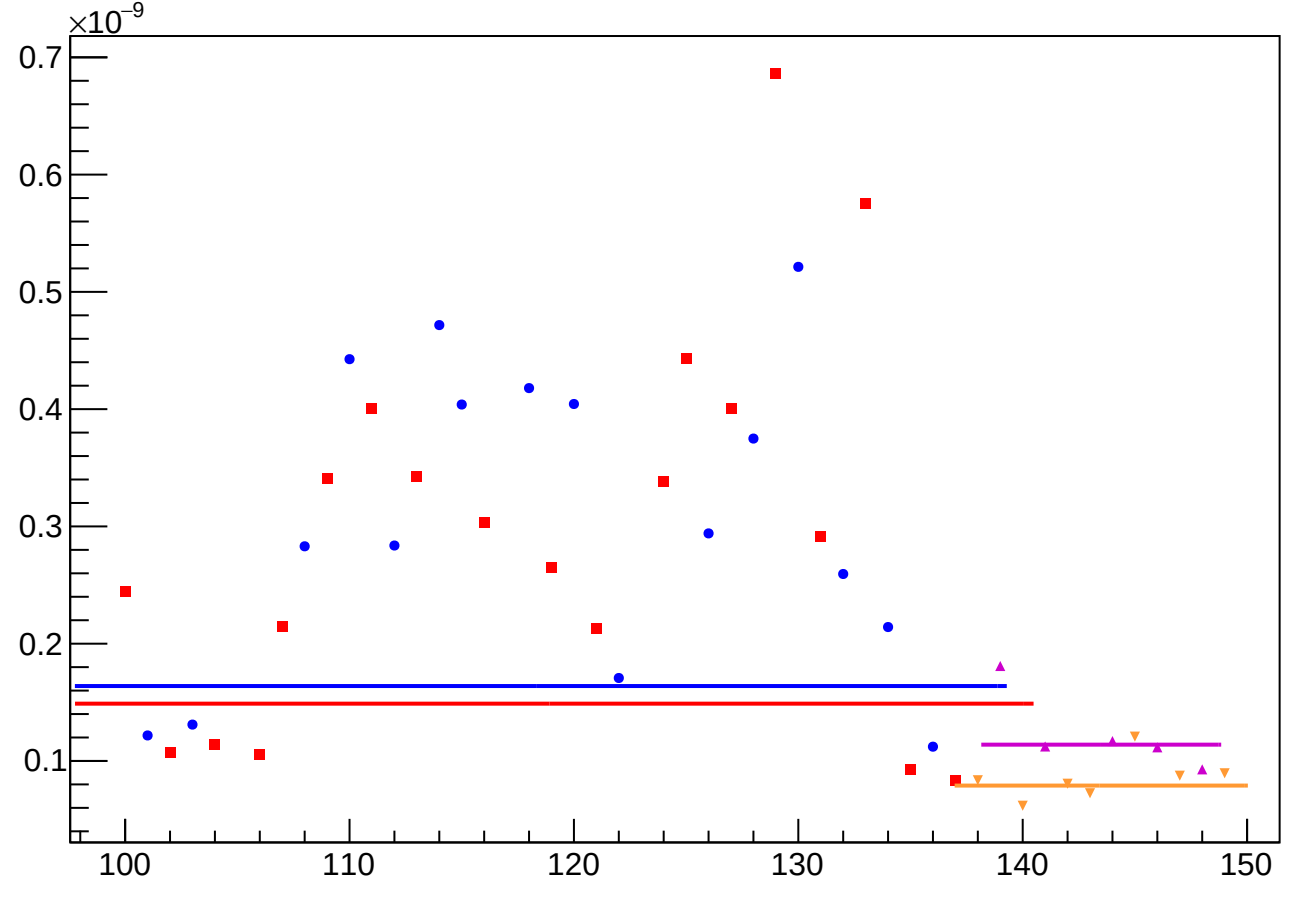
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 405.672+/-0.091 χ^2/NDF:2585229.0/20

Out: 388.484+/-0.087 χ^2/NDF:4434090.4/25

All: 396.702+/-0.063 χ^2/NDF: 7037890.4/46


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:5.1/6
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: 13.1/11
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:24.7/25
All: -0.000+/-0.000 χ²/NDF: 56.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:239897.1/6

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: 814511.0/11

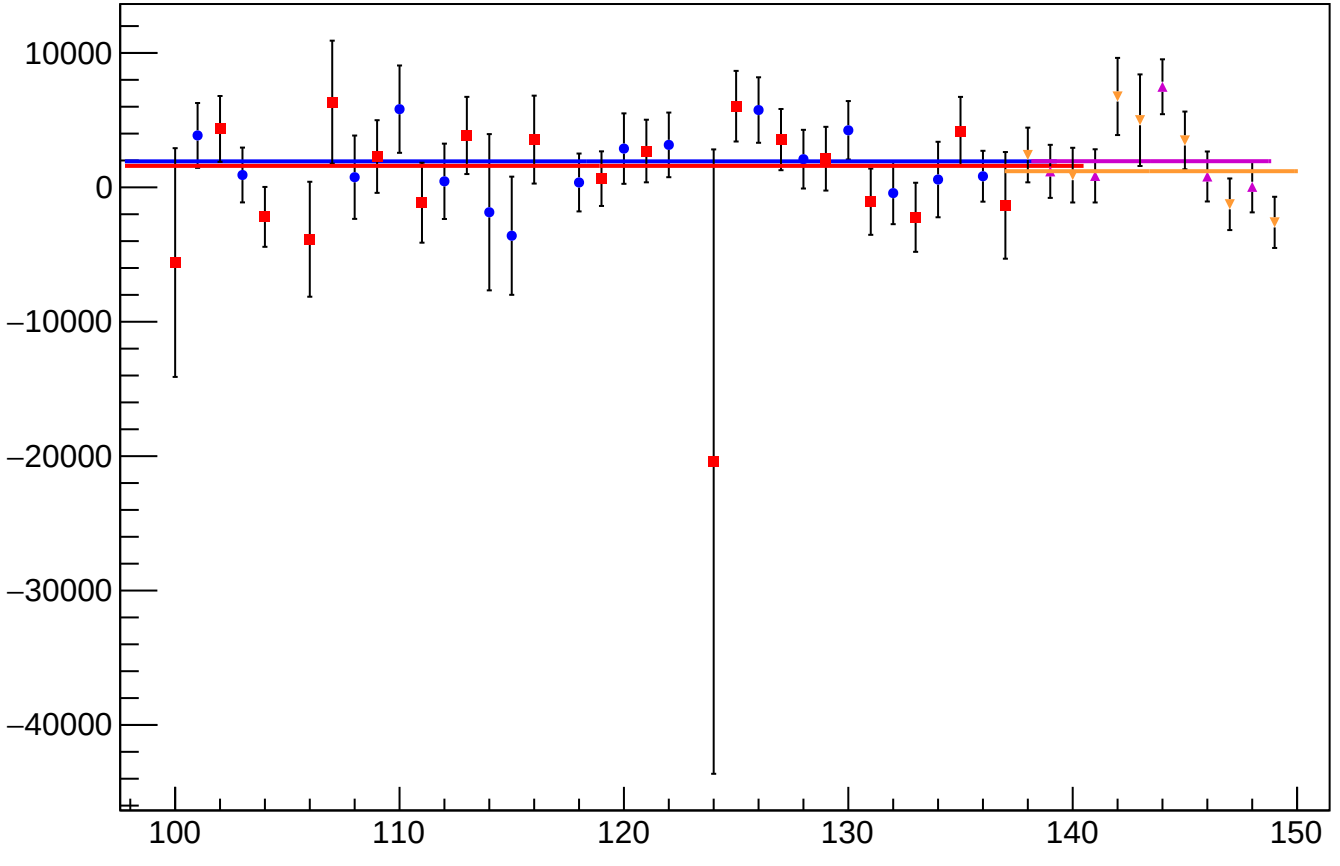
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2631026.9/20

Out: 0.000+/-0.000 χ^2/NDF:4159470.4/25

All: 0.000+/-0.000 χ^2/NDF: 7413708.7/46

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1202.463+/-829.256 χ^2/NDF:12.1/6

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: 1556.103+/-600.659 χ^2/NDF: 21.7/11

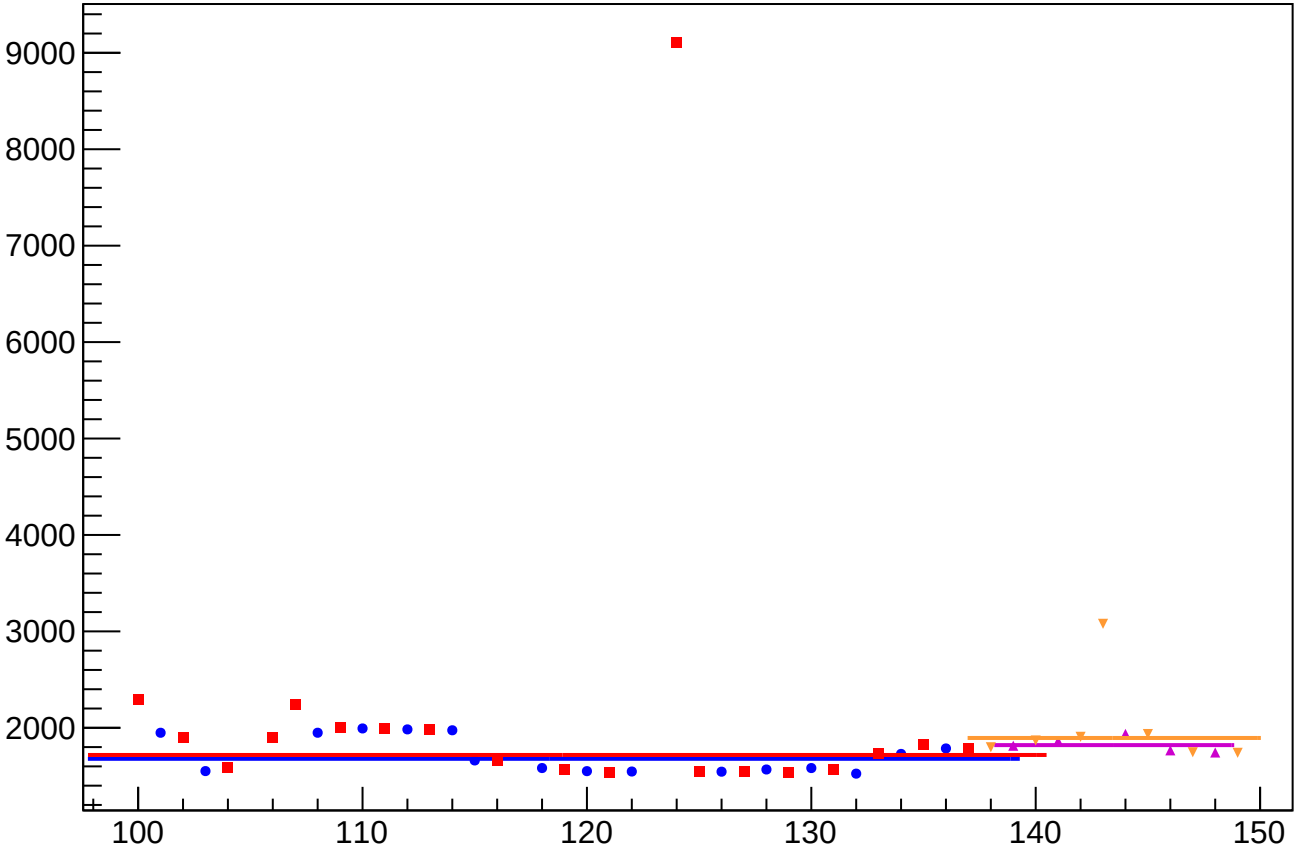
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1938.748+/-509.375 χ^2/NDF:20.1/20

Out: 1449.686+/-507.748 χ^2/NDF:31.7/25

All: 1693.435+/-359.606 χ^2/NDF: 52.2/46

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1894.636+/-0.586 χ^2/NDF:271981.0/6

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

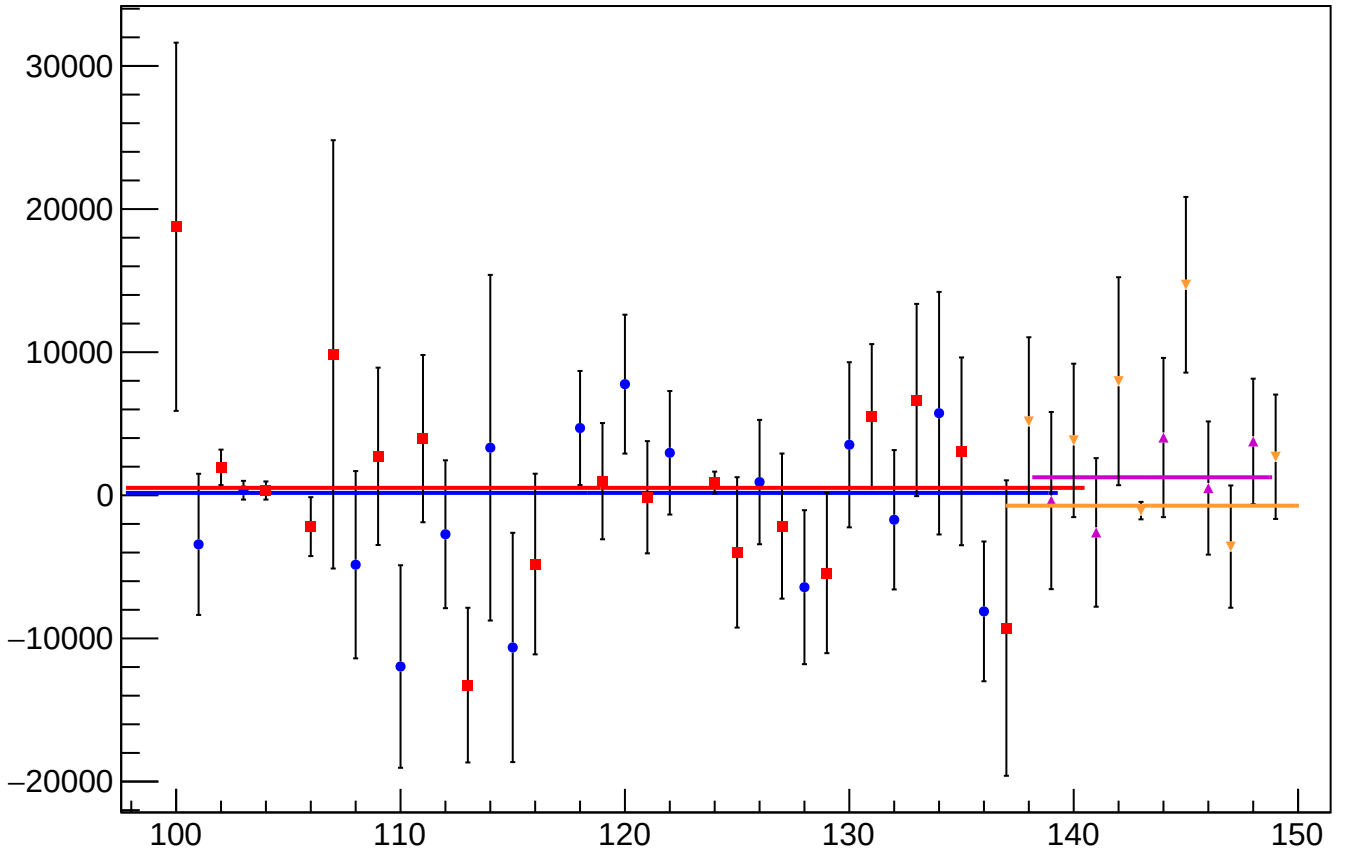
Left: 1859.442+/-0.425 χ^2/NDF: 291927.9/11

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1727.102+/-0.360 χ^2/NDF:188846.3/20

Out: 1784.026+/-0.358 χ^2/NDF:711883.1/25

All: 1755.739+/-0.254 χ^2/NDF: 913294.7/46



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -724.241+/-587.133 χ^2/NDF:10.9/6

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1259.795+/-2271.984 χ^2/NDF:1.2/4

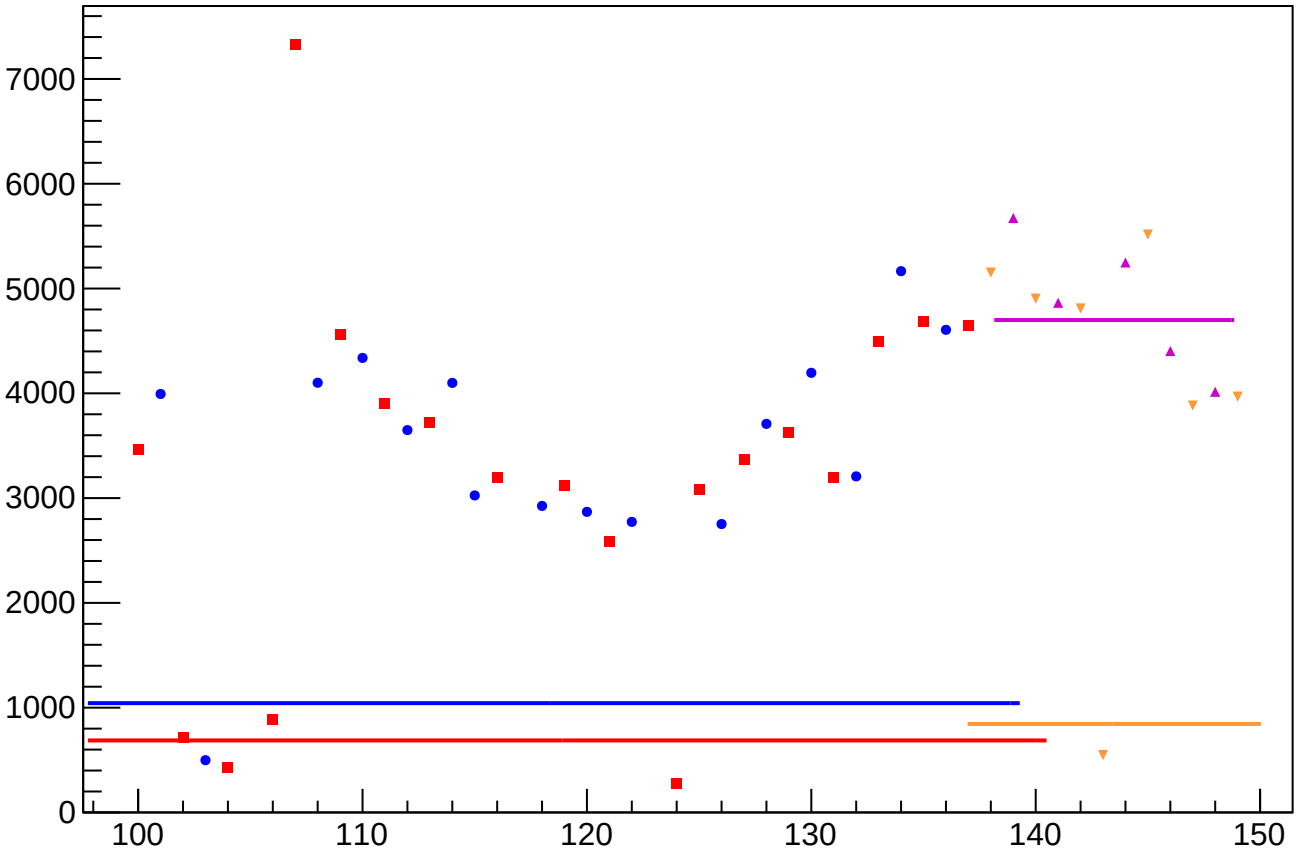
Left: -600.037+/-568.458 χ^2/NDF: 12.8/11

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 237.592+/-572.516 χ^2/NDF:17.3/20

Out: 93.203+/-344.156 χ^2/NDF:32.4/25

All: 131.529+/-294.964 χ^2/NDF: 49.7/46



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 844.890+/-0.415 χ^2/NDF:6487772.7/6

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: 1086.191+/-0.402 χ^2/NDF: 12011906.8/11

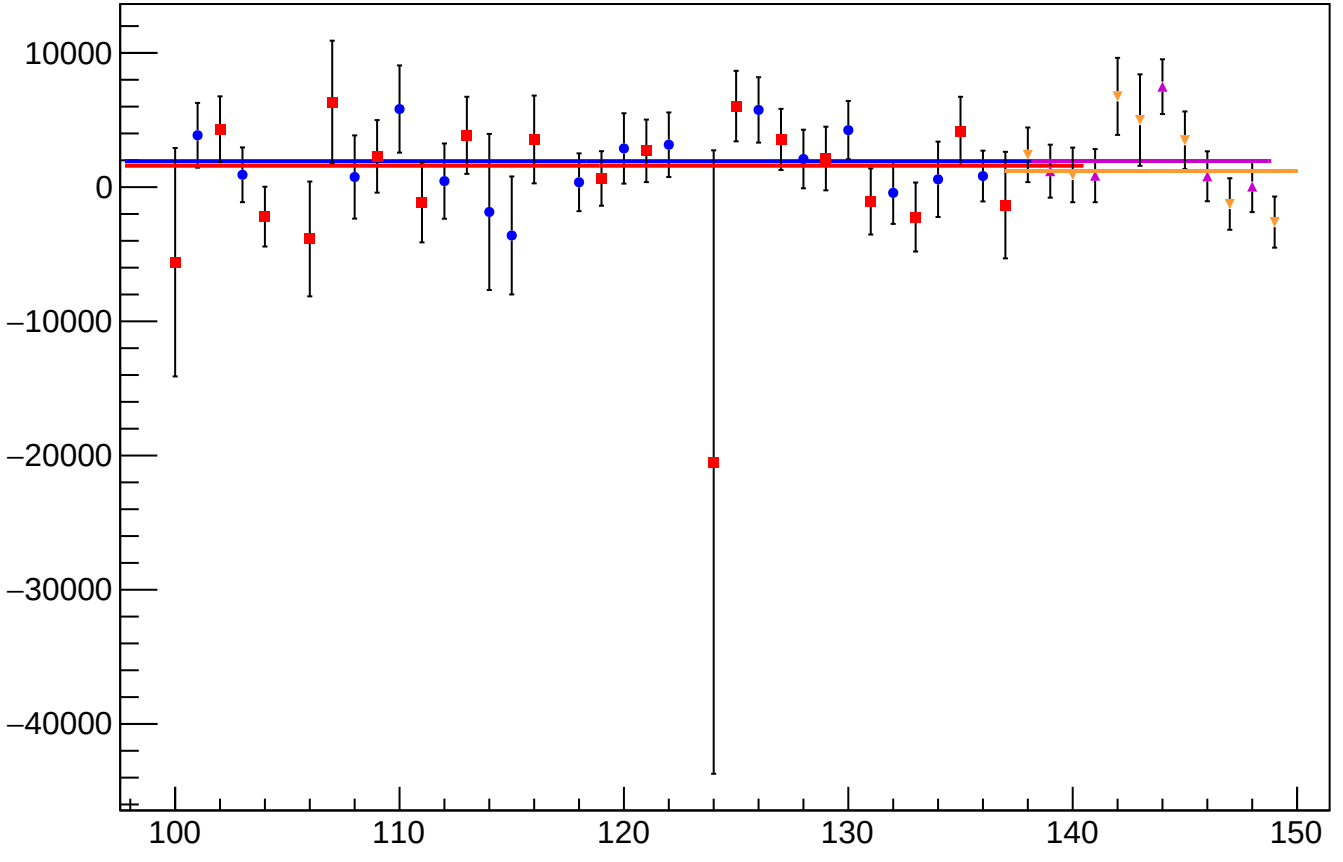
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1275.288+/-0.405 χ^2/NDF:13090636.4/20

Out: 741.465+/-0.243 χ^2/NDF:15213845.6/25

All: 883.162+/-0.209 χ^2/NDF: 29581738.2/46

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1202.408+/-829.256 χ^2/NDF:12.1/6

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: 1556.162+/-600.659 χ^2/NDF: 21.7/11

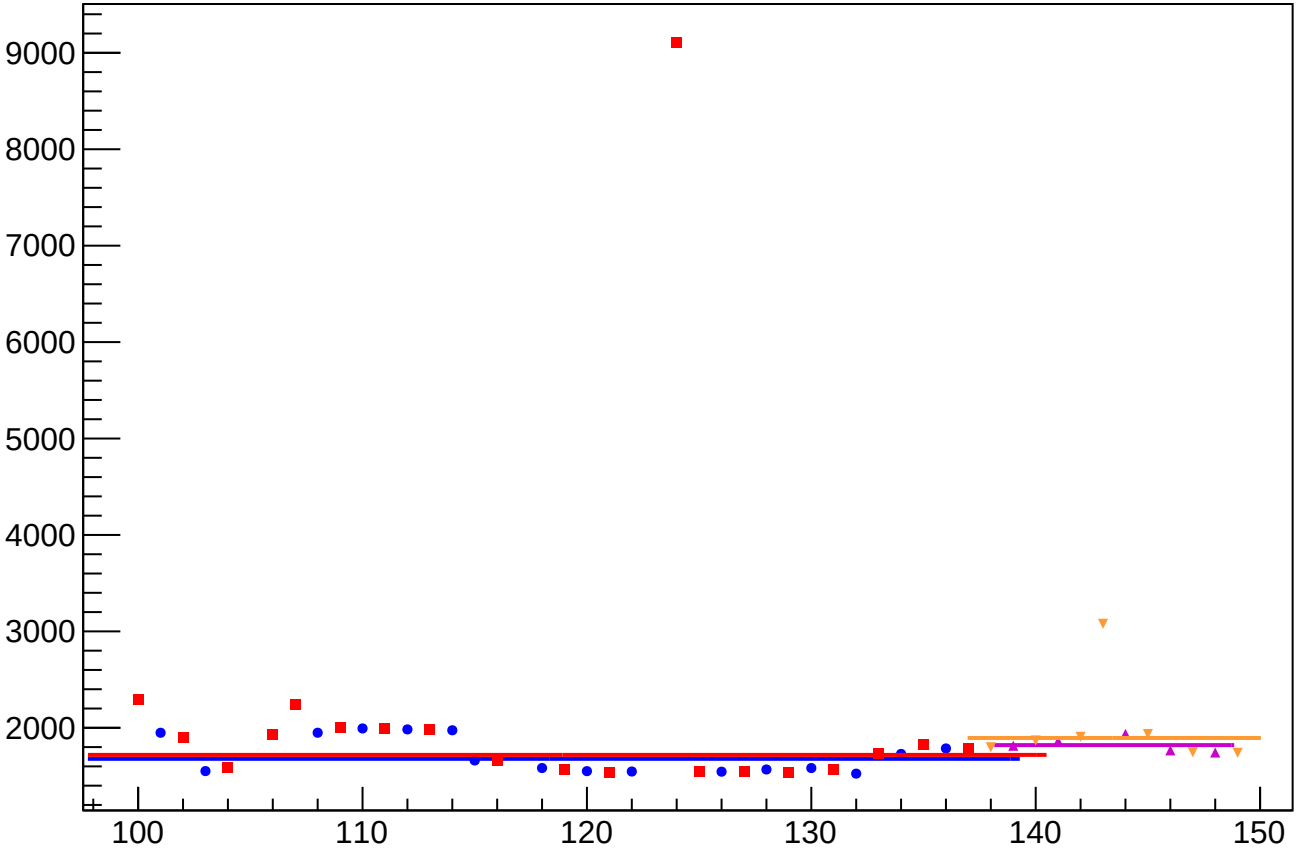
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1938.888+/-509.375 χ^2/NDF:20.1/20

Out: 1448.140+/-507.751 χ^2/NDF:31.7/25

All: 1692.730+/-359.607 χ^2/NDF: 52.2/46

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1894.636+/-0.586 χ^2/NDF:271981.0/6

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

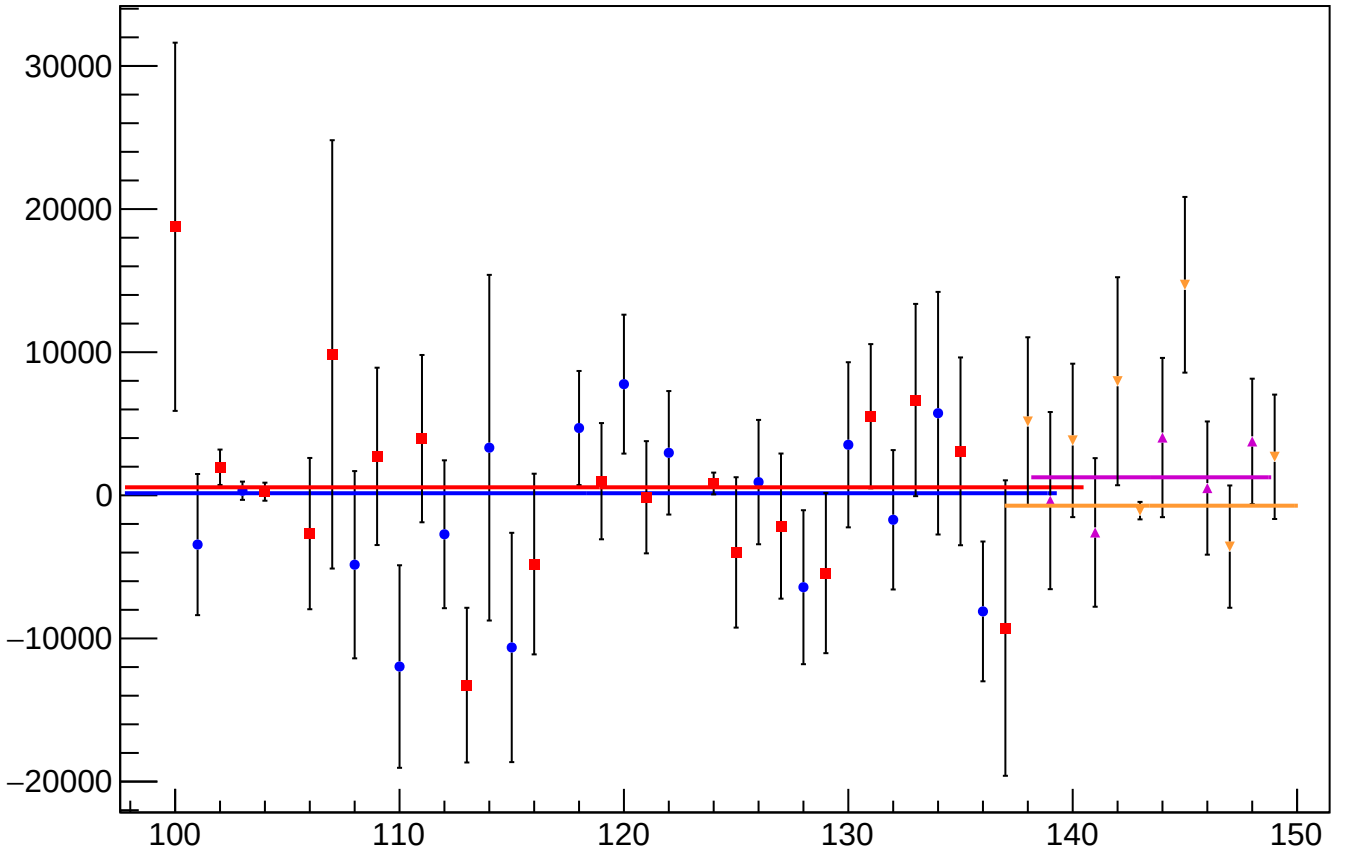
Left: 1859.442+/-0.425 χ^2/NDF: 291927.9/11

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1727.102+/-0.360 χ^2/NDF:188846.4/20

Out: 1784.589+/-0.358 χ^2/NDF:713070.0/25

All: 1756.014+/-0.254 χ^2/NDF: 914728.0/46



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -723.893+/-587.110 χ^2/NDF:10.9/6

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1259.889+/-2271.979 χ^2/NDF:1.2/4

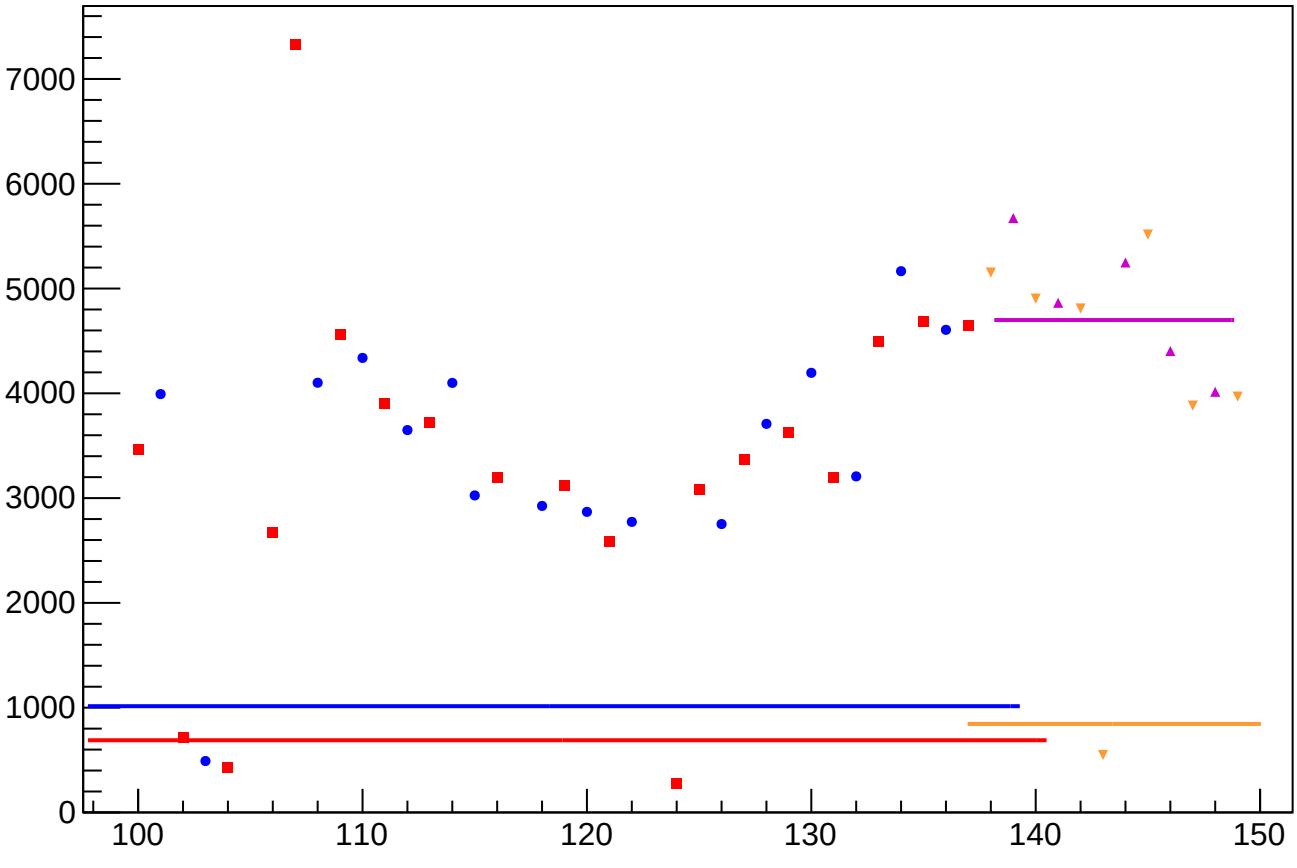
Left: -599.714+/-568.437 χ^2/NDF: 12.8/11

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 214.523+/-561.391 χ^2/NDF:17.3/20

Out: 111.854+/-347.234 χ^2/NDF:31.2/25

All: 140.263+/-295.310 χ^2/NDF: 48.5/46



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 844.847+/-0.415 χ^2/NDF:6487883.6/6

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

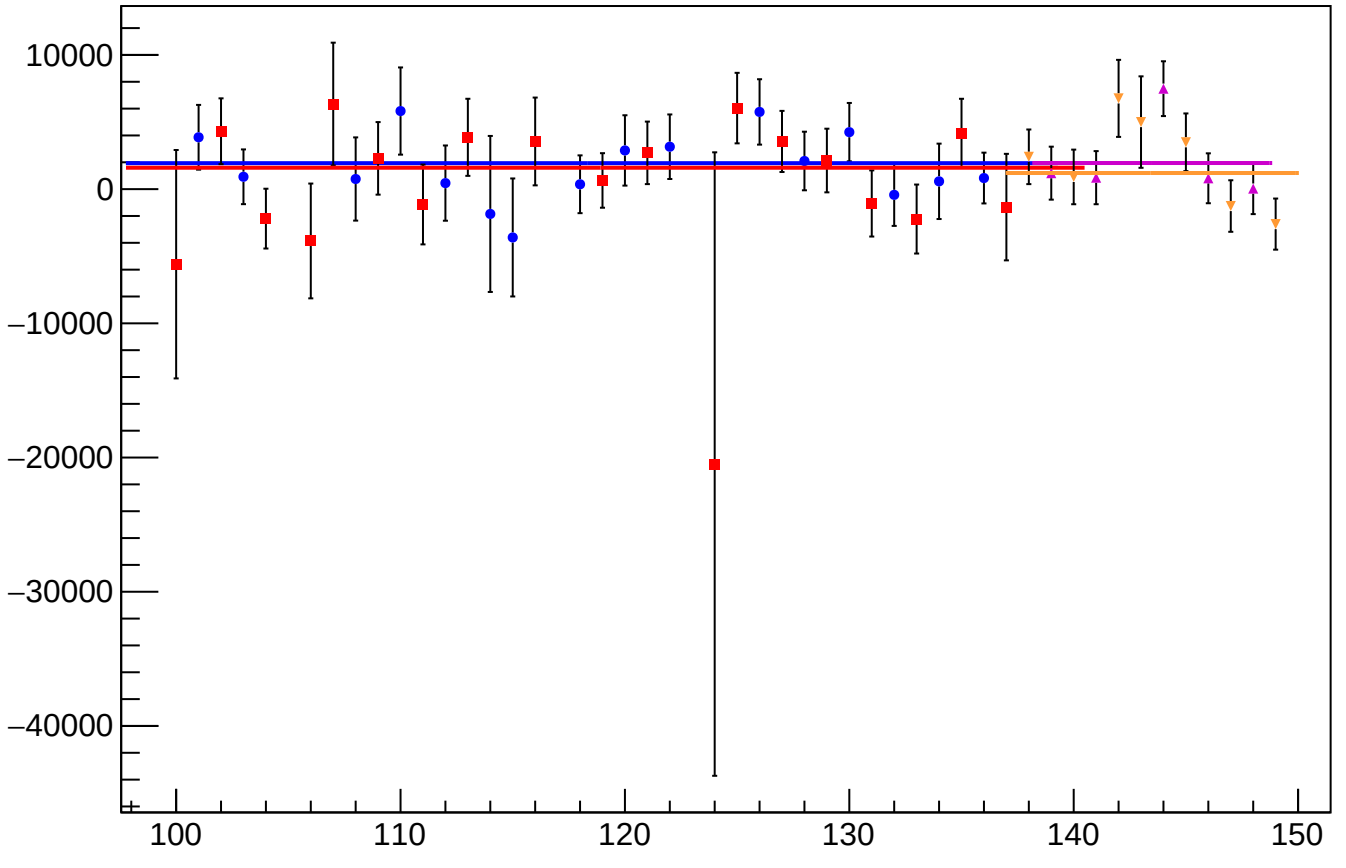
Left: 1086.134+/-0.402 χ^2/NDF: 12012156.6/11

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1239.103+/-0.397 χ^2/NDF:13291922.1/20

Out: 743.549+/-0.246 χ^2/NDF:15489815.2/25

All: 880.674+/-0.209 χ^2/NDF: 29908915.6/46



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1202.408+/-829.256 χ^2/NDF:12.1/6

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: 1556.162+/-600.659 χ^2/NDF: 21.7/11

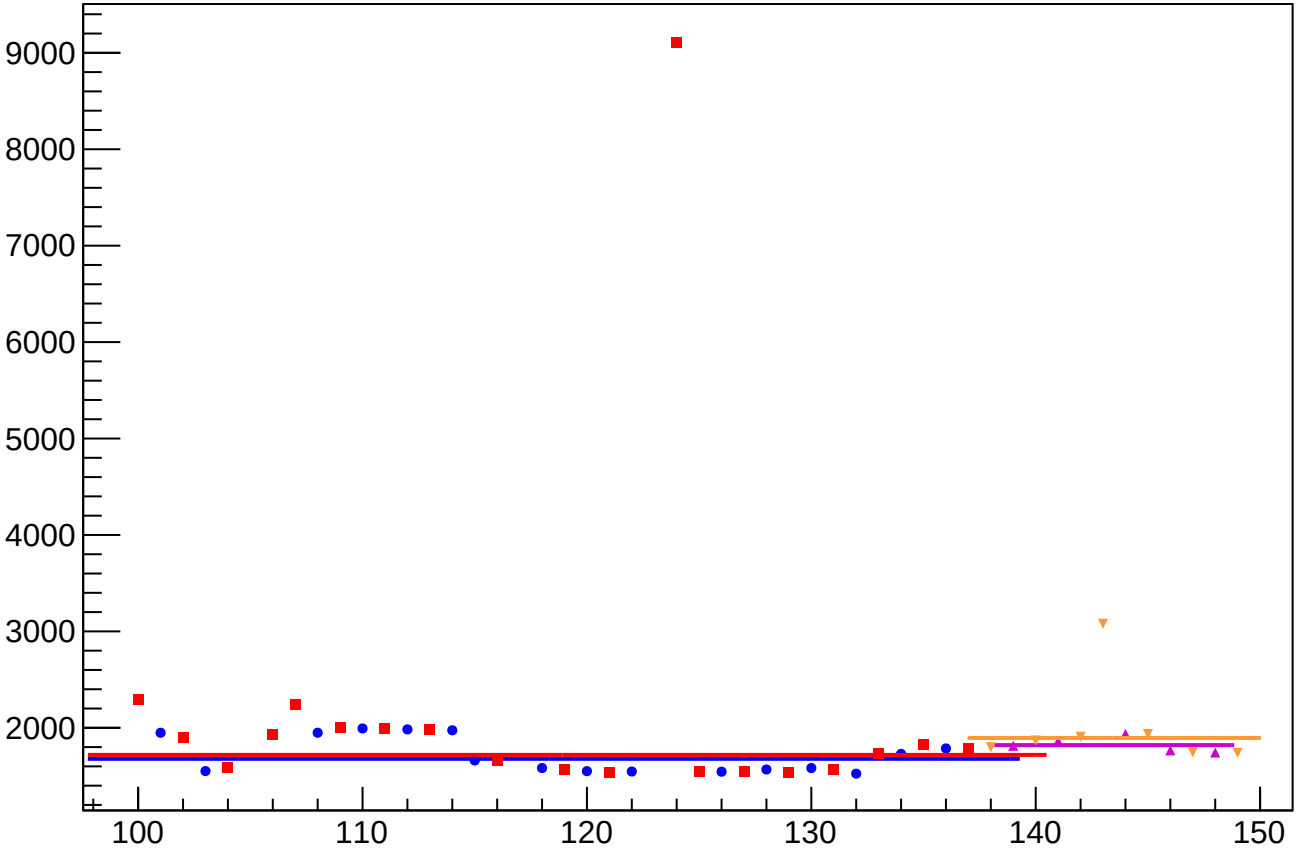
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1938.888+/-509.375 χ^2/NDF:20.1/20

Out: 1448.140+/-507.751 χ^2/NDF:31.7/25

All: 1692.730+/-359.607 χ^2/NDF: 52.2/46

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1894.636+/-0.586 χ^2/NDF:271981.0/6

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1820.596+/-0.616 χ^2/NDF:12368.3/4

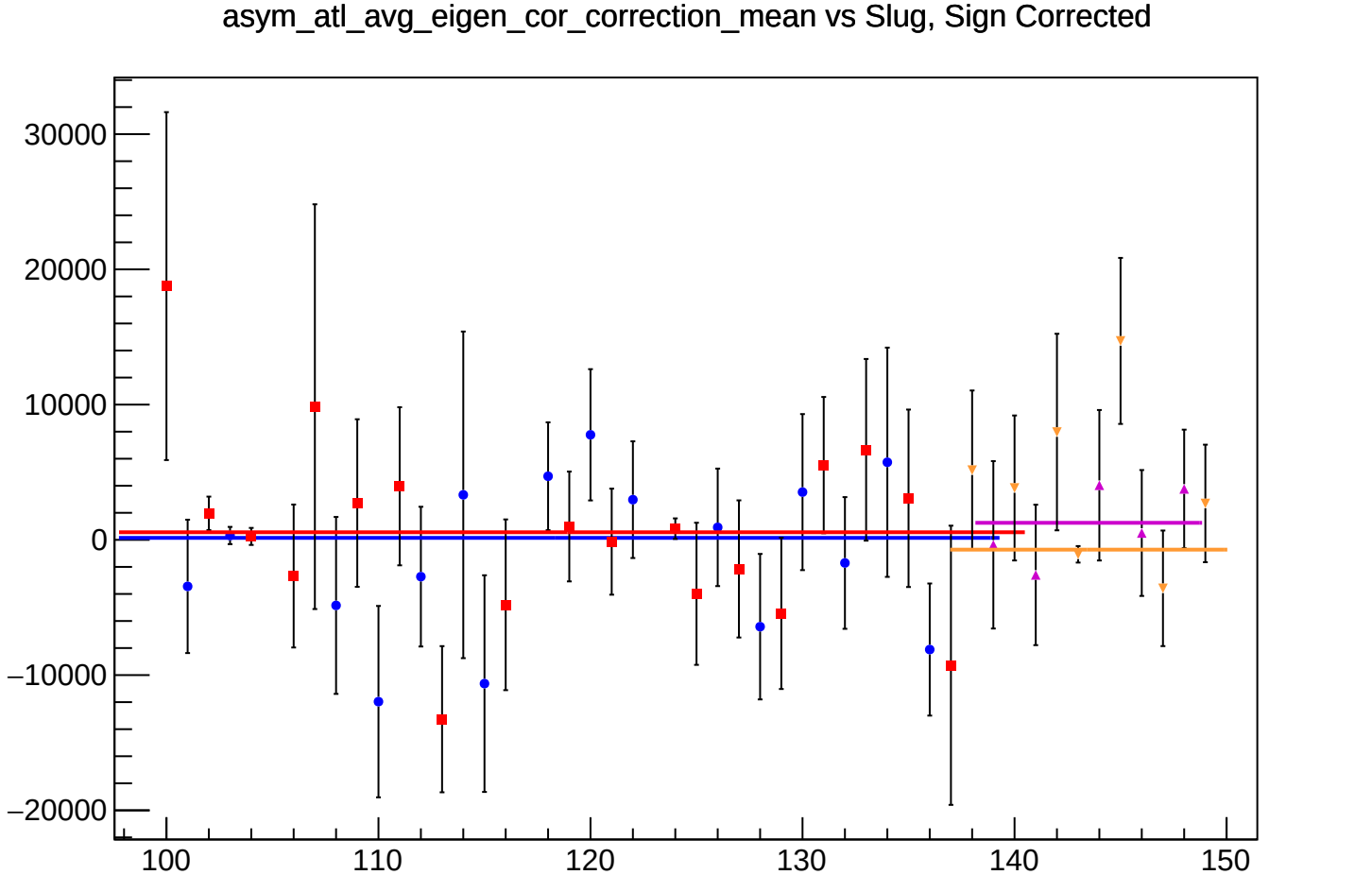
Left: 1859.442+/-0.425 χ^2/NDF: 291927.9/11

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1727.102+/-0.360 χ^2/NDF:188846.4/20

Out: 1784.589+/-0.358 χ^2/NDF:713070.0/25

All: 1756.014+/-0.254 χ^2/NDF: 914728.0/46



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -723.893+/-587.110 χ^2/NDF:10.9/6

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1259.889+/-2271.979 χ^2/NDF:1.2/4

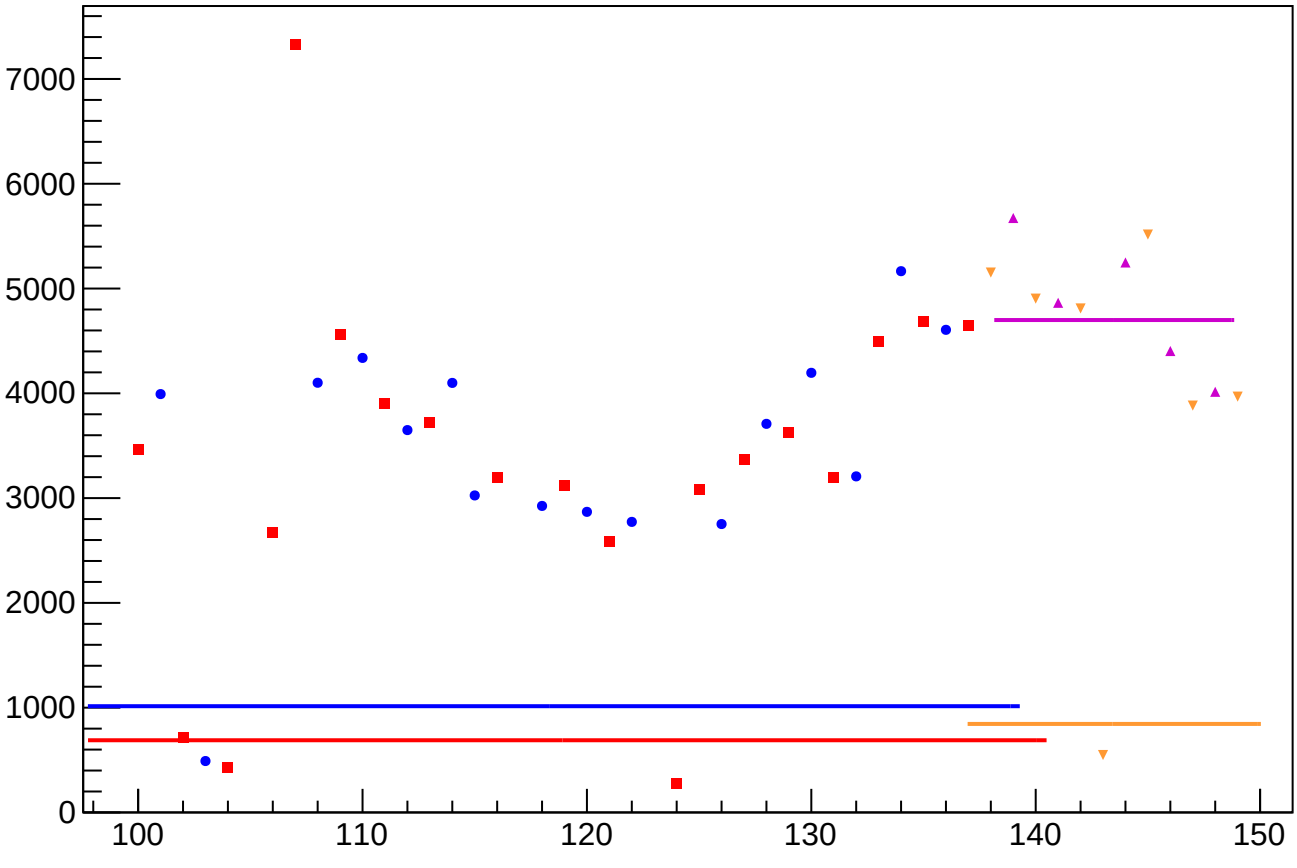
Left: -599.714+/-568.437 χ^2/NDF: 12.8/11

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 214.523+/-561.391 χ^2/NDF:17.3/20

Out: 111.854+/-347.234 χ^2/NDF:31.2/25

All: 140.263+/-295.310 χ^2/NDF: 48.5/46



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 844.847+/-0.415 χ^2/NDF:6487883.6/6

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4699.428+/-1.607 χ^2/NDF:127904.1/4

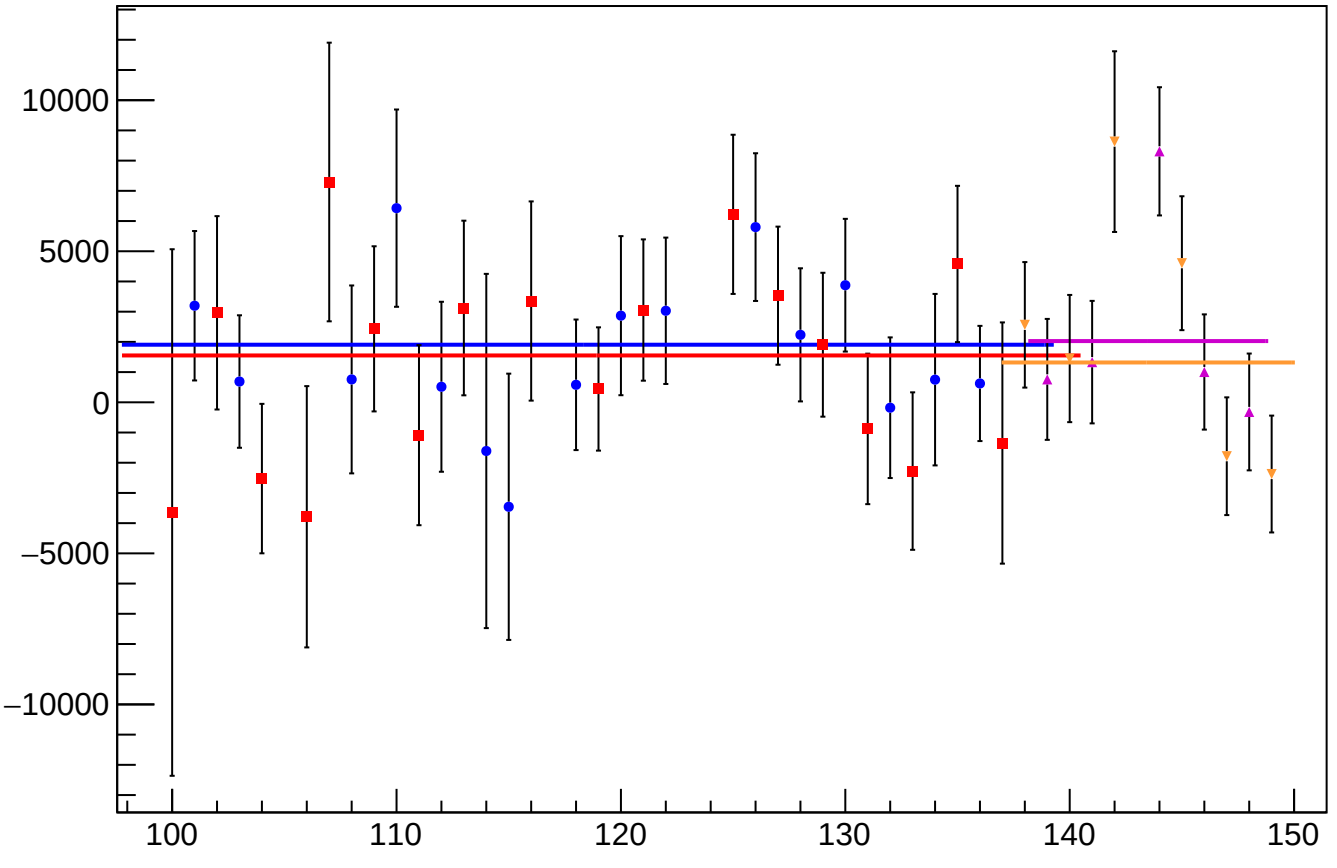
Left: 1086.134+/-0.402 χ^2/NDF: 12012156.6/11

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1239.103+/-0.397 χ^2/NDF:13291922.1/20

Out: 743.549+/-0.246 χ^2/NDF:15489815.2/25

All: 880.674+/-0.209 χ^2/NDF: 29908915.6/46



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1318.445+/-875.886 χ^2/NDF:14.7/5

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: 1666.265+/-624.883 χ^2/NDF: 26.1/10

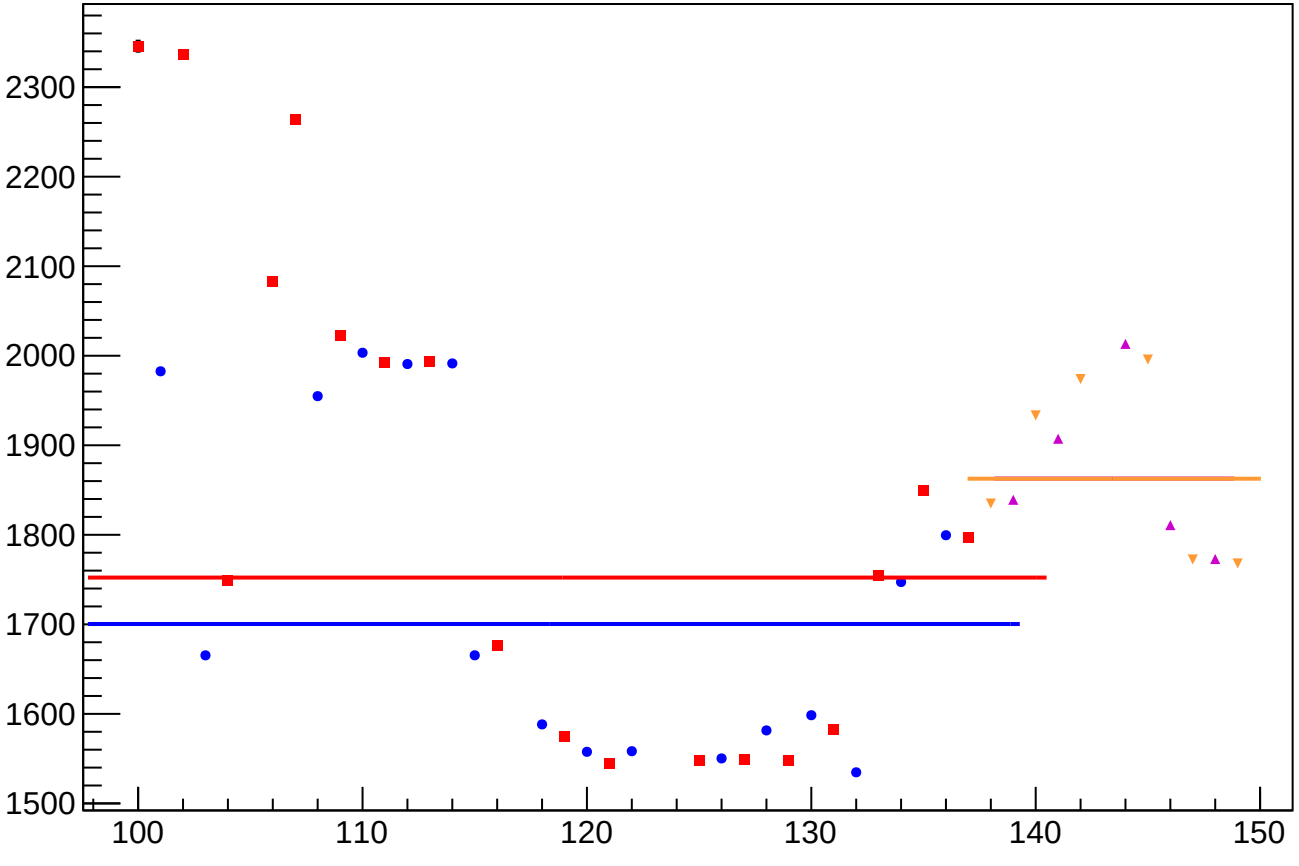
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1946.904+/-518.036 χ^2/NDF:21.3/20

Out: 1466.597+/-527.644 χ^2/NDF:32.2/23

All: 1711.164+/-369.657 χ^2/NDF: 53.9/44

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1862.670+/-0.619 χ^2/NDF:21675.3/5

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1862.832+/-0.631 χ^2/NDF:17102.6/4

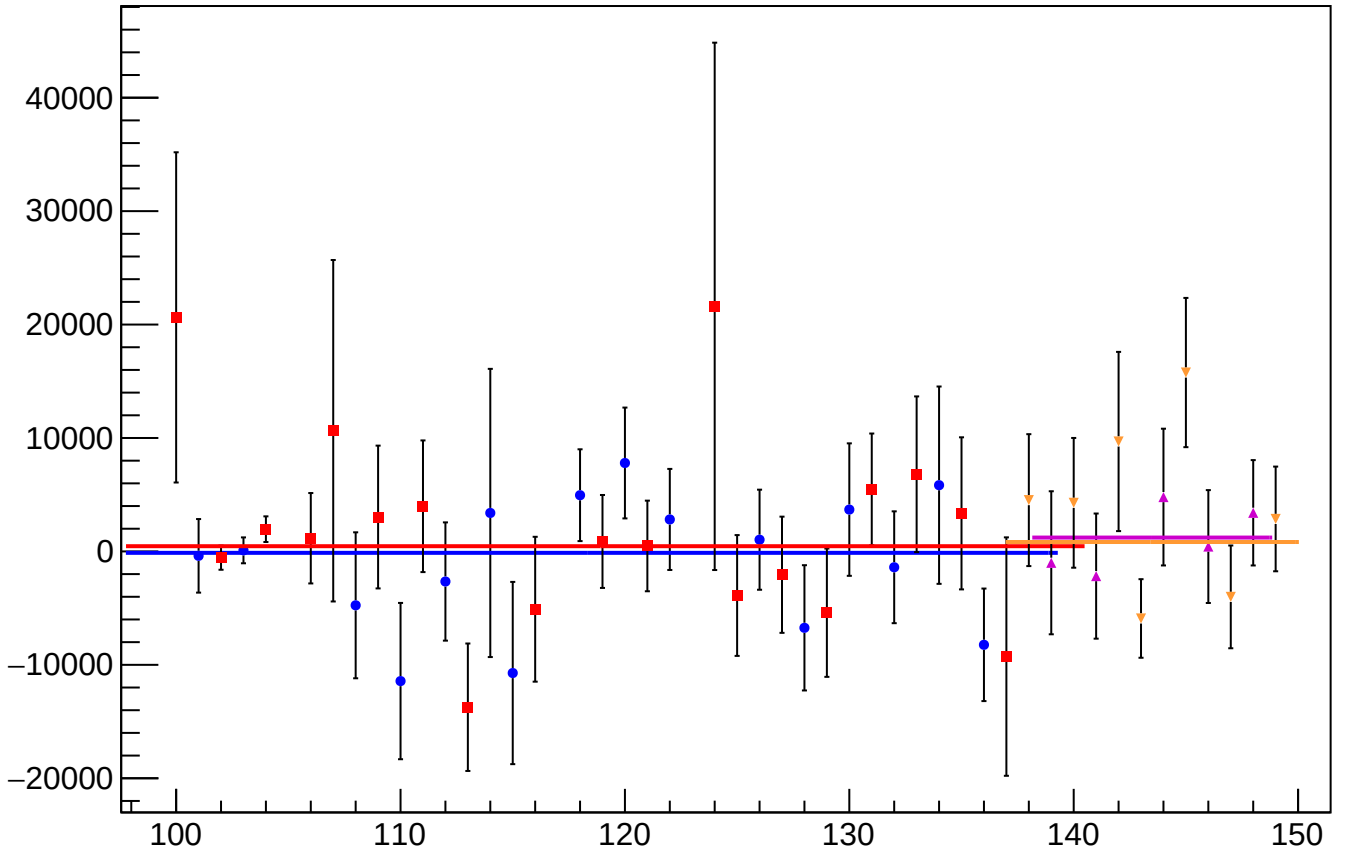
Left: 1862.750+/-0.442 χ^2/NDF: 38778.0/10

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1755.185+/-0.366 χ^2/NDF:196507.9/20

Out: 1792.198+/-0.373 χ^2/NDF:289916.5/23

All: 1773.378+/-0.261 χ^2/NDF: 491442.9/44



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 829.416+/-1895.688 χ^2/NDF:12.3/6

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1220.773+/-2409.255 χ^2/NDF:1.1/4

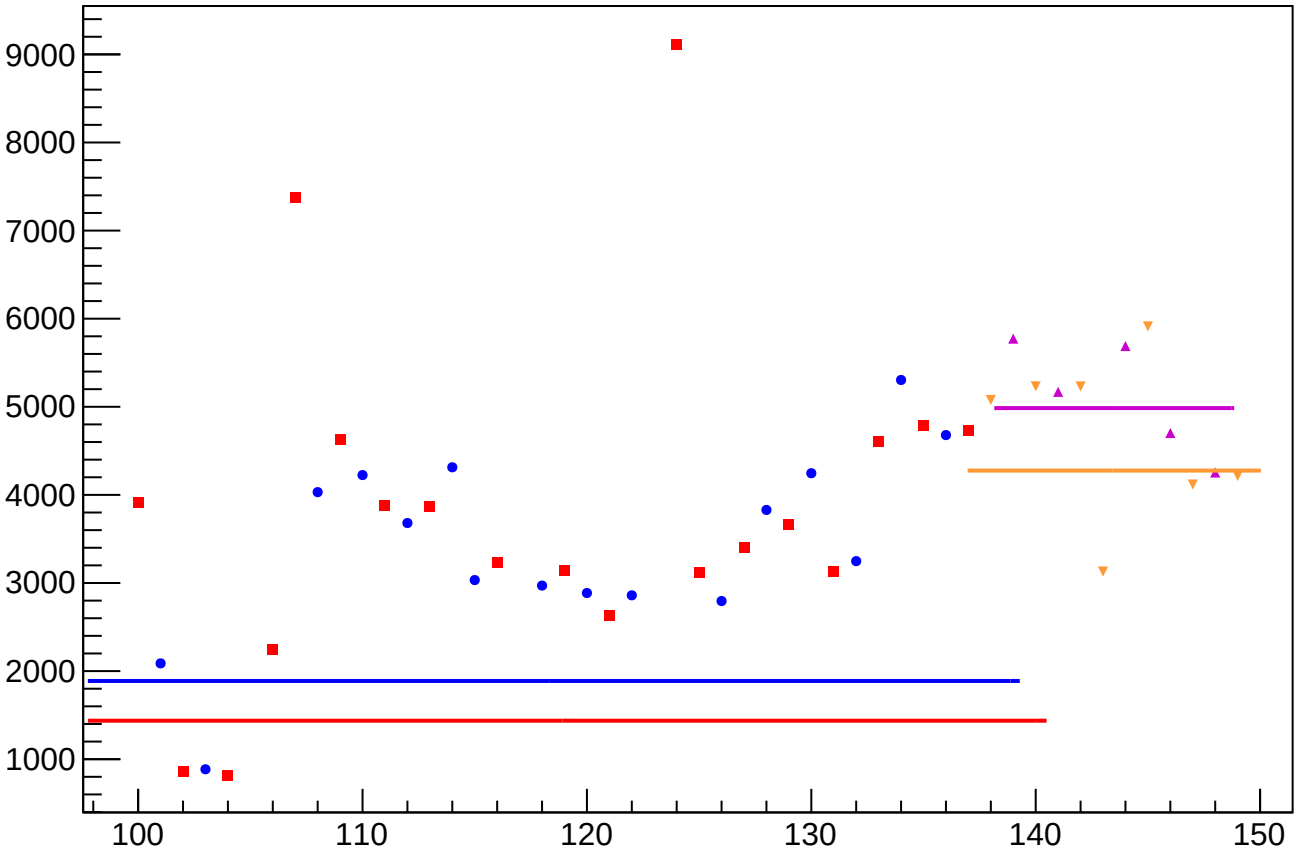
Left: 979.062+/-1489.802 χ^2/NDF: 13.4/11

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 29.086+/-816.323 χ^2/NDF:16.5/20

Out: 501.518+/-639.363 χ^2/NDF:30.8/25

All: 321.897+/-503.351 χ^2/NDF: 47.5/46



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4275.799+/-1.340 χ^2/NDF:468600.7/6

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 4985.111+/-1.704 χ^2/NDF:116803.5/4

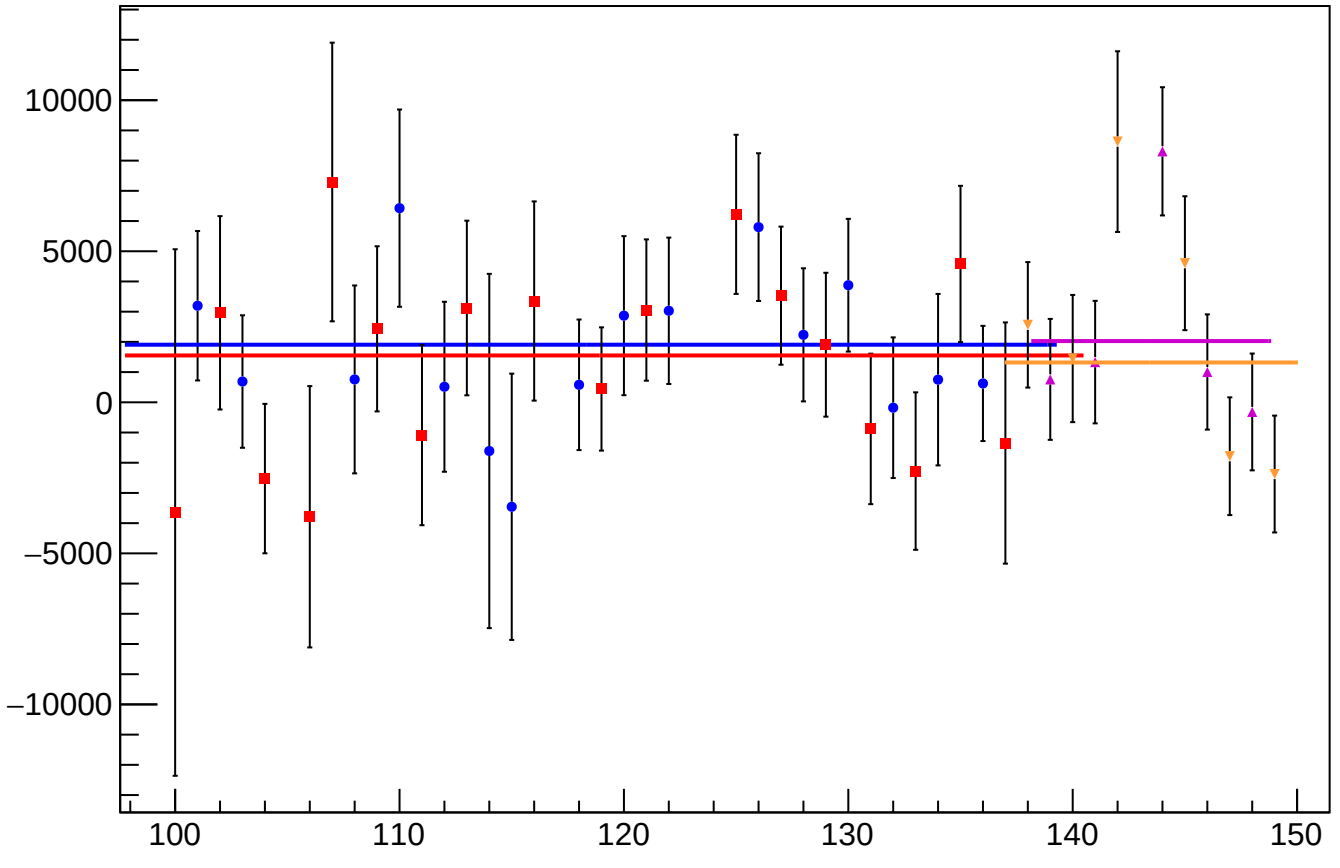
Left: 4547.023+/-1.053 χ^2/NDF: 692473.0/11

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2243.560+/-0.577 χ^2/NDF:7468112.6/20

Out: 1760.017+/-0.452 χ^2/NDF:10407338.9/25

All: 1943.863+/-0.356 χ^2/NDF: 18310387.6/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1318.456+/-875.887 χ^2/NDF:14.7/5

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2026.811+/-891.765 χ^2/NDF:11.0/4

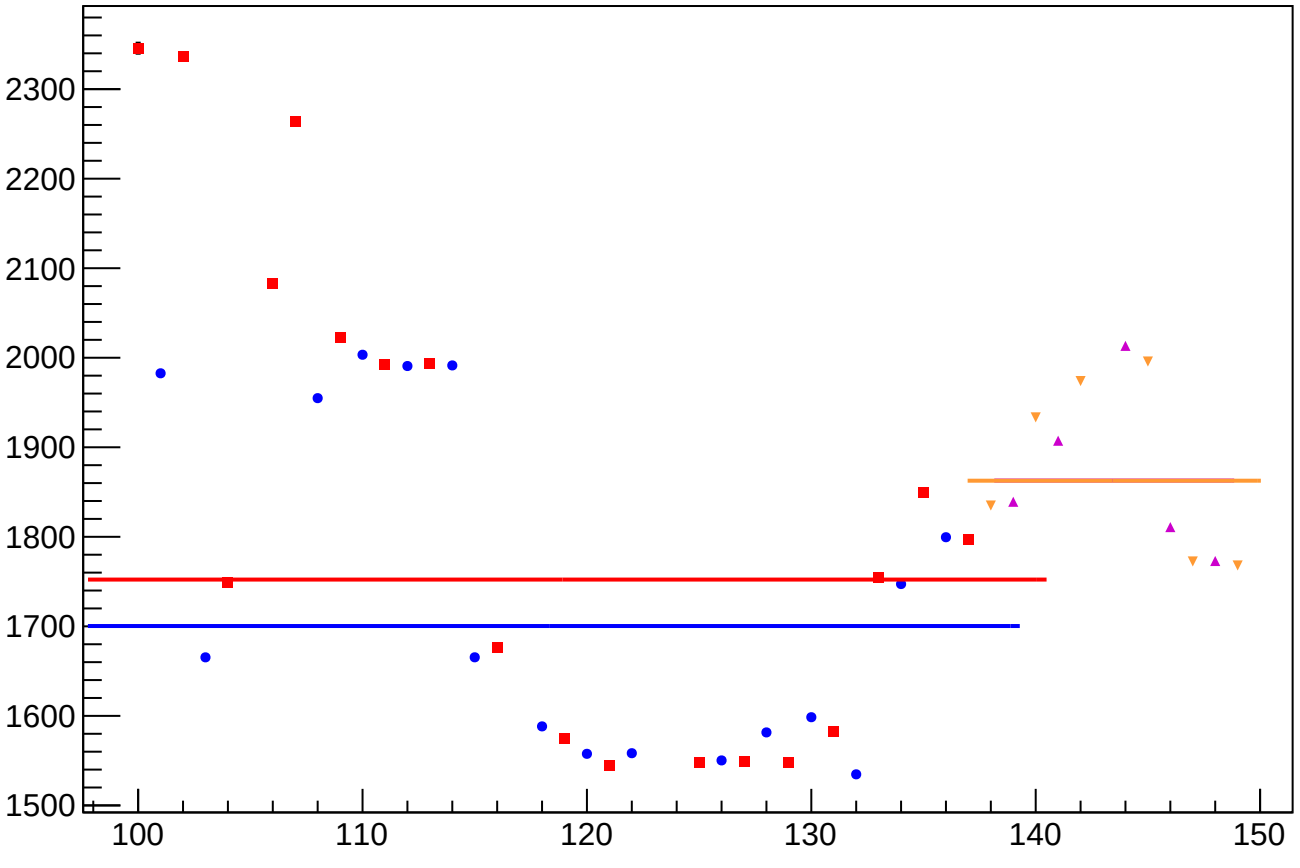
Left: 1666.271+/-624.884 χ^2/NDF: 26.1/10

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1946.903+/-518.036 χ^2/NDF:21.3/20

Out: 1466.599+/-527.644 χ^2/NDF:32.2/23

All: 1711.164+/-369.657 χ^2/NDF: 53.9/44



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1862.671+/-0.619 χ^2/NDF:21675.9/5

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1862.833+/-0.631 χ^2/NDF:17102.9/4

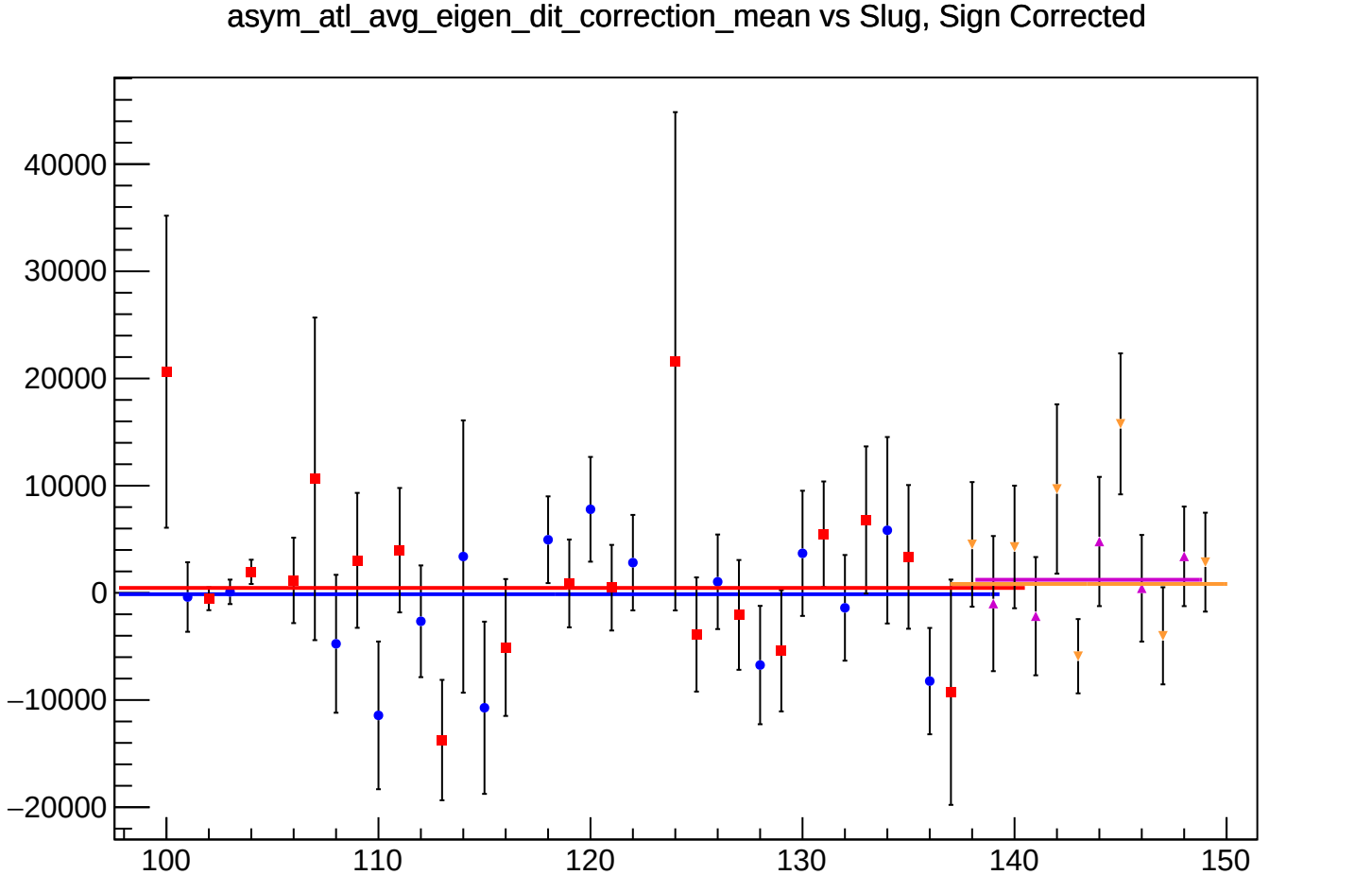
Left: 1862.751+/-0.442 χ^2/NDF: 38778.8/10

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1755.185+/-0.366 χ^2/NDF:196509.1/20

Out: 1792.198+/-0.373 χ^2/NDF:289917.1/23

All: 1773.379+/-0.261 χ^2/NDF: 491444.6/44



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 829.411+/-1895.690 χ^2/NDF:12.3/6

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1220.773+/-2409.259 χ^2/NDF:1.1/4

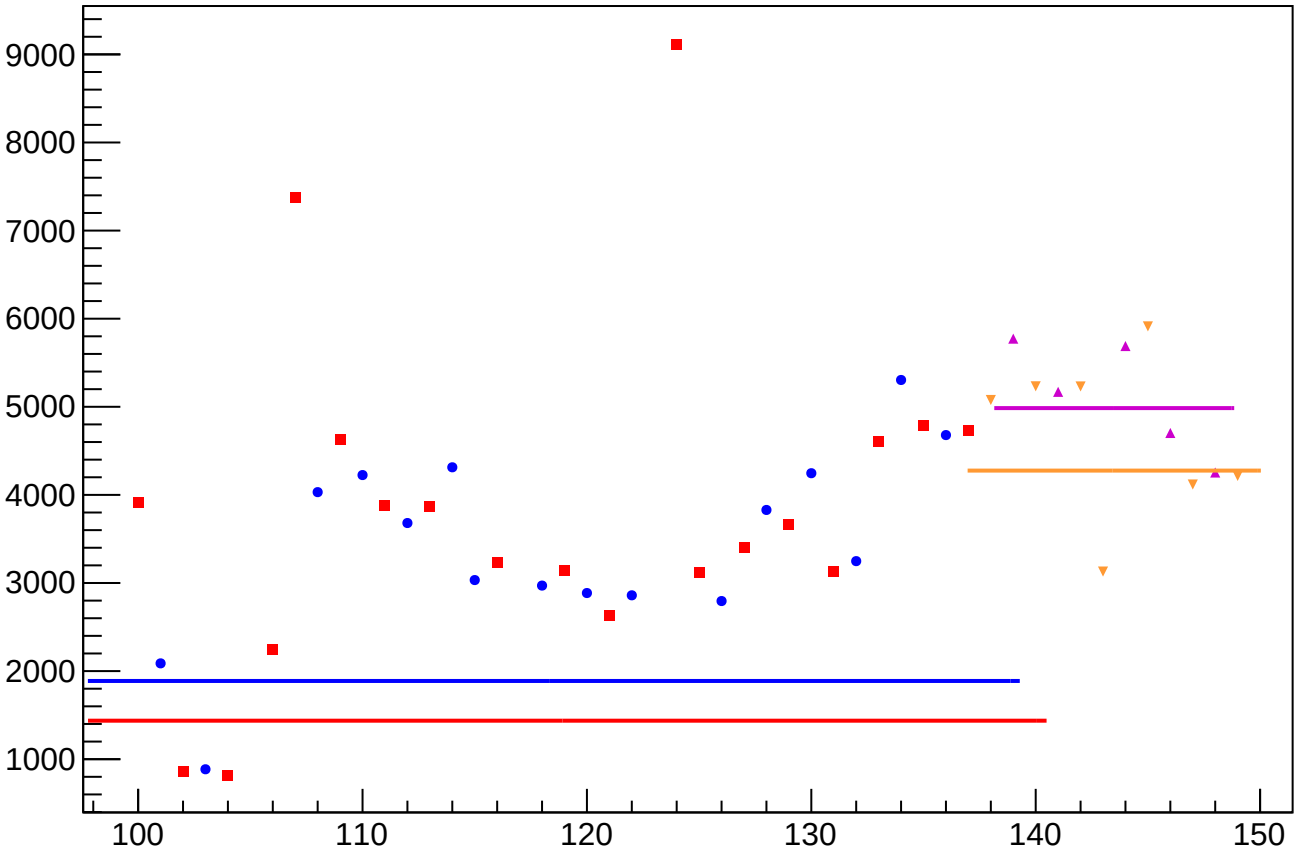
Left: 979.059+/-1489.804 χ^2/NDF: 13.4/11

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 29.088+/-816.318 χ^2/NDF:16.5/20

Out: 501.516+/-639.359 χ^2/NDF:30.8/25

All: 321.896+/-503.348 χ^2/NDF: 47.5/46



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4275.802+/-1.340 χ^2/NDF:468605.3/6

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: 4547.028+/-1.053 χ^2/NDF: 692480.4/11

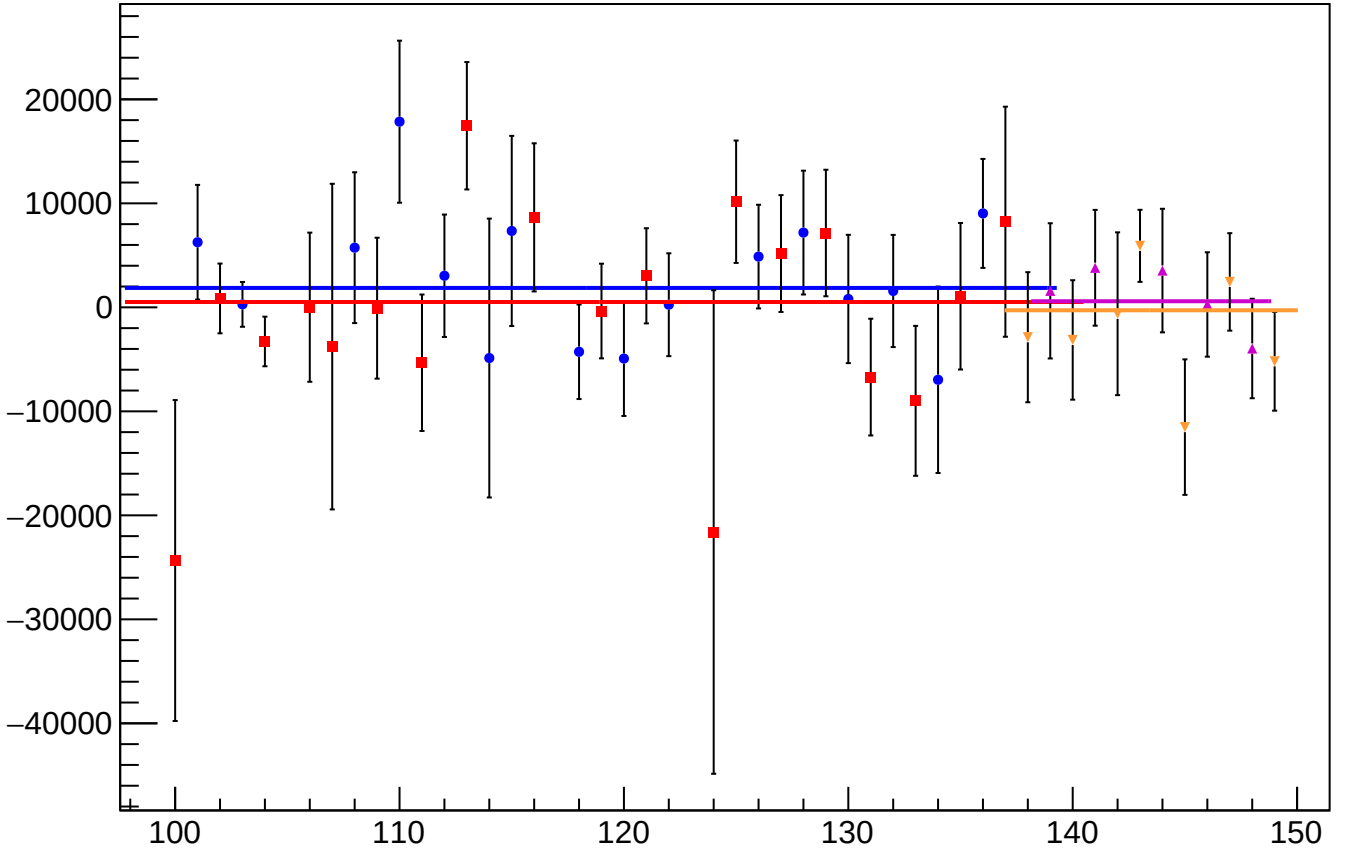
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2243.541+/-0.577 χ^2/NDF:7468192.2/20

Out: 1760.000+/-0.452 χ^2/NDF:10407425.1/25

All: 1943.845+/-0.356 χ^2/NDF: 18310554.2/4

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: -284.199+/-1927.987 χ^2/NDF:8.0/6

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: 49.734+/-1513.206 χ^2/NDF: 9.6/11

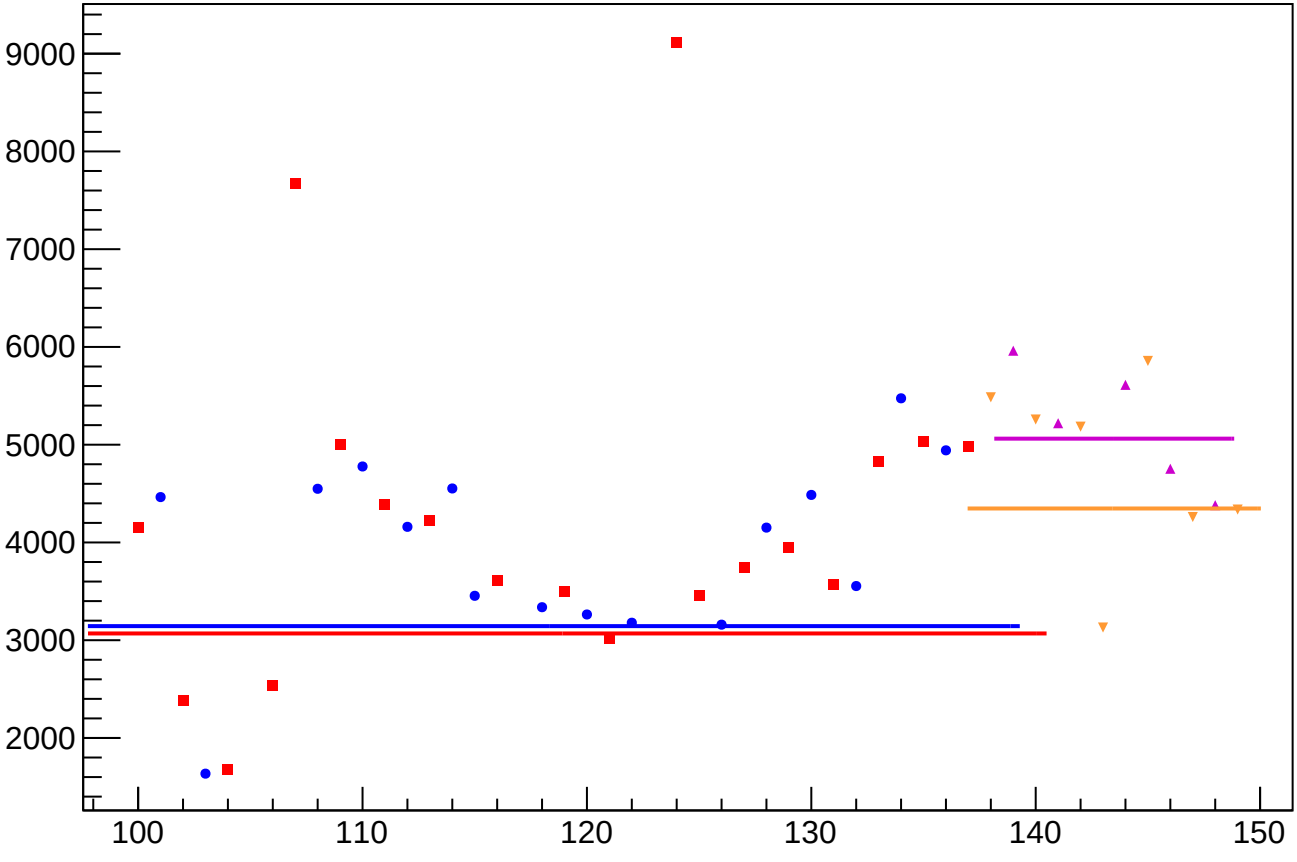
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1597.516+/-1119.160 χ^2/NDF:15.5/20

Out: 278.993+/-1043.819 χ^2/NDF:32.8/25

All: 892.383+/-763.338 χ^2/NDF: 49.1/46

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4347.443+/-1.363 χ^2/NDF:494490.9/6

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5061.881+/-1.727 χ^2/NDF:105128.7/4

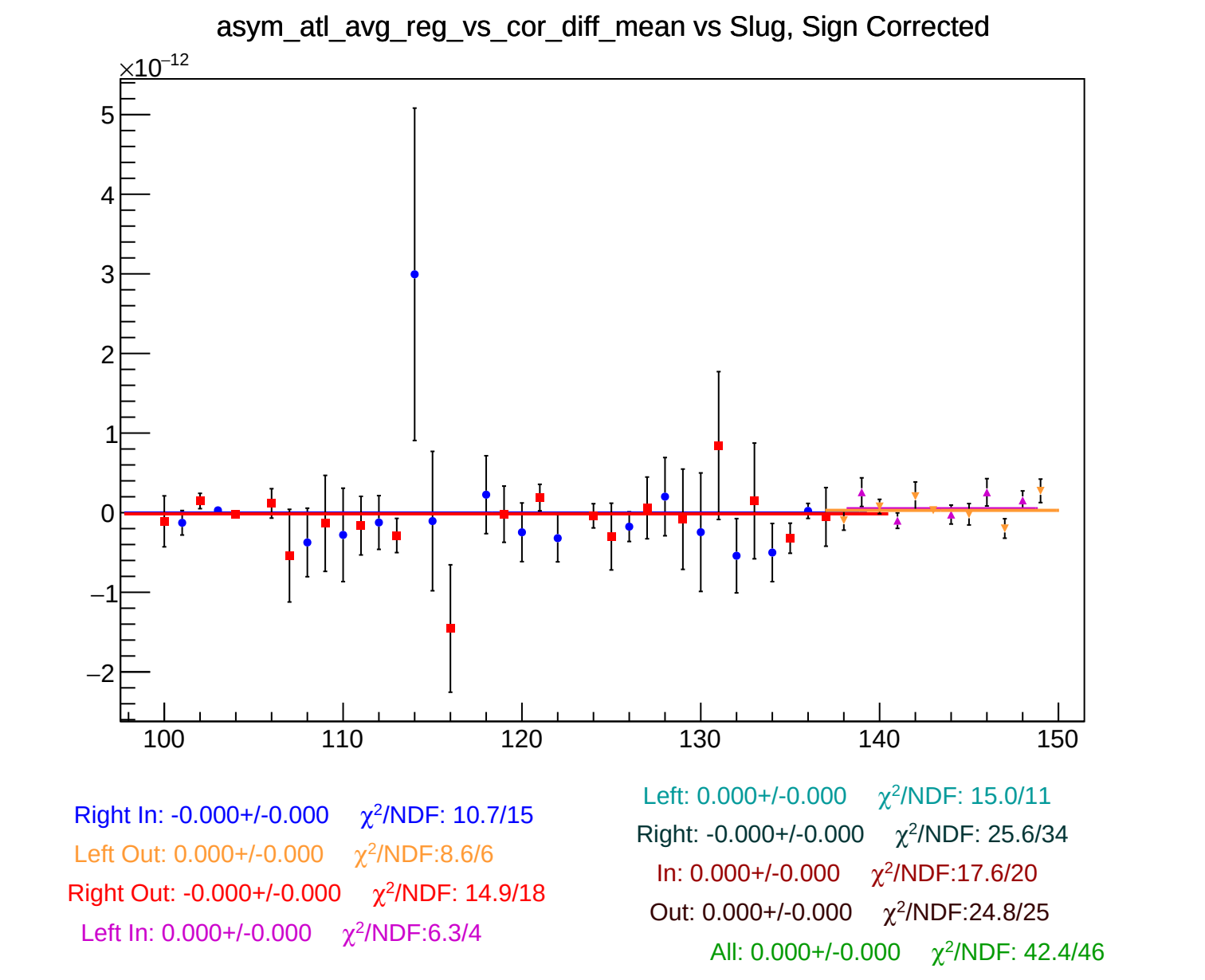
Left: 4621.780+/-1.070 χ^2/NDF: 705075.3/11

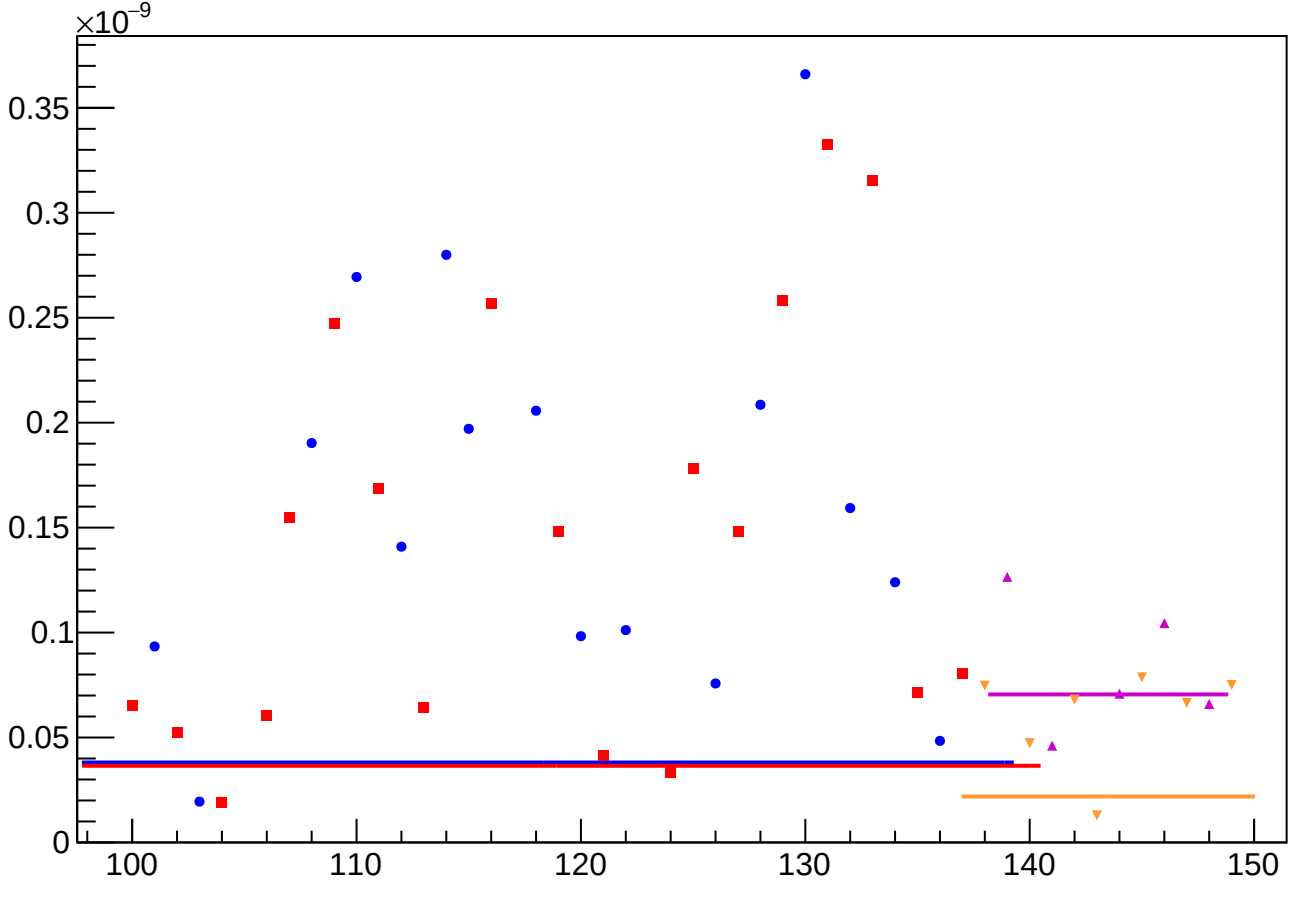
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3546.943+/-0.791 χ^2/NDF:2962672.3/20

Out: 3435.539+/-0.730 χ^2/NDF:3003354.5/25

All: 3486.748+/-0.537 χ^2/NDF: 5976735.0/46


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:8.6/6
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: 15.0/11
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:24.8/25
All: 0.000+/-0.000 χ²/NDF: 42.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1827854.2/6

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: 3521026.0/11

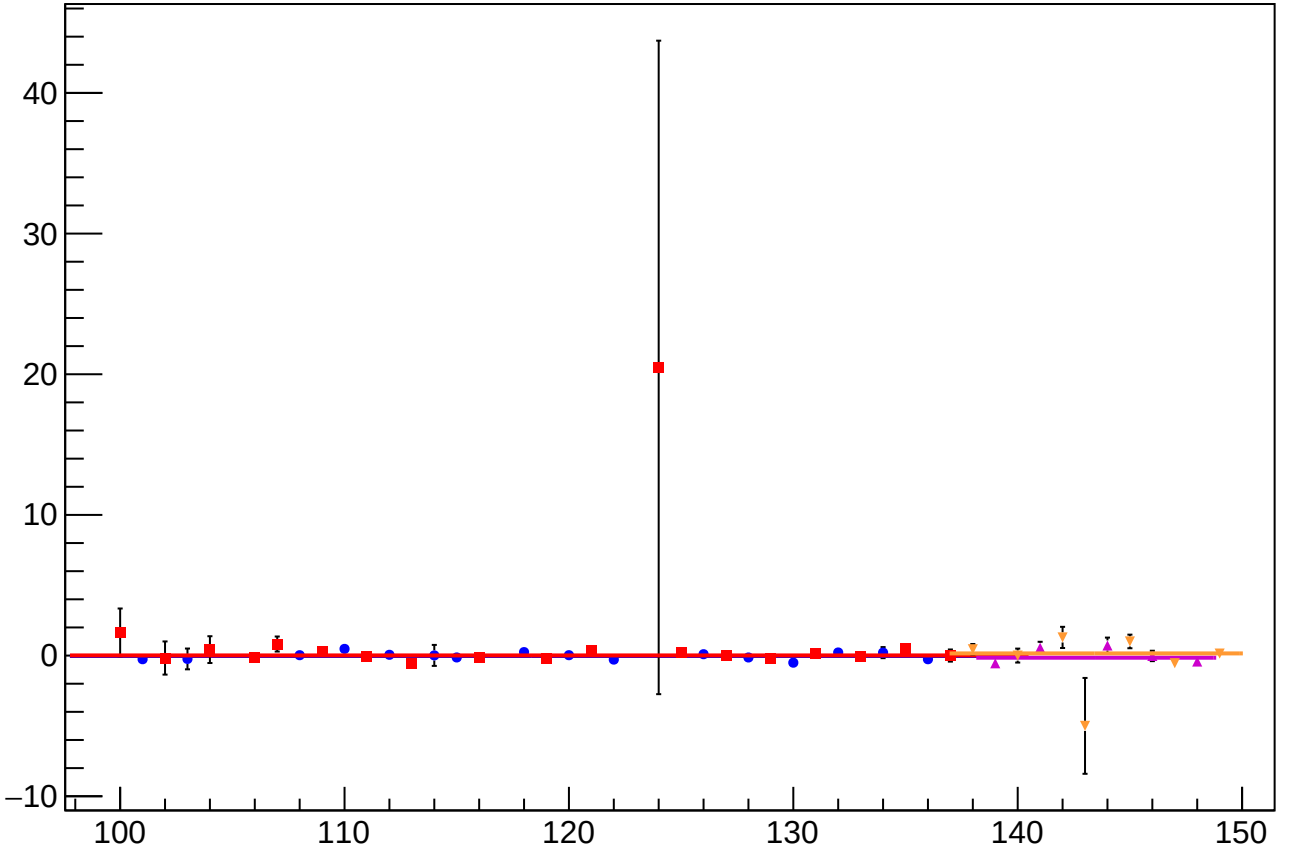
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3771507.0/20

Out: 0.000+/-0.000 χ^2/NDF:4795012.7/25

All: 0.000+/-0.000 χ^2/NDF: 9281229.0/46

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.154+/-0.168 χ^2/NDF:13.0/6

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.151+/-0.162 χ^2/NDF:8.1/4

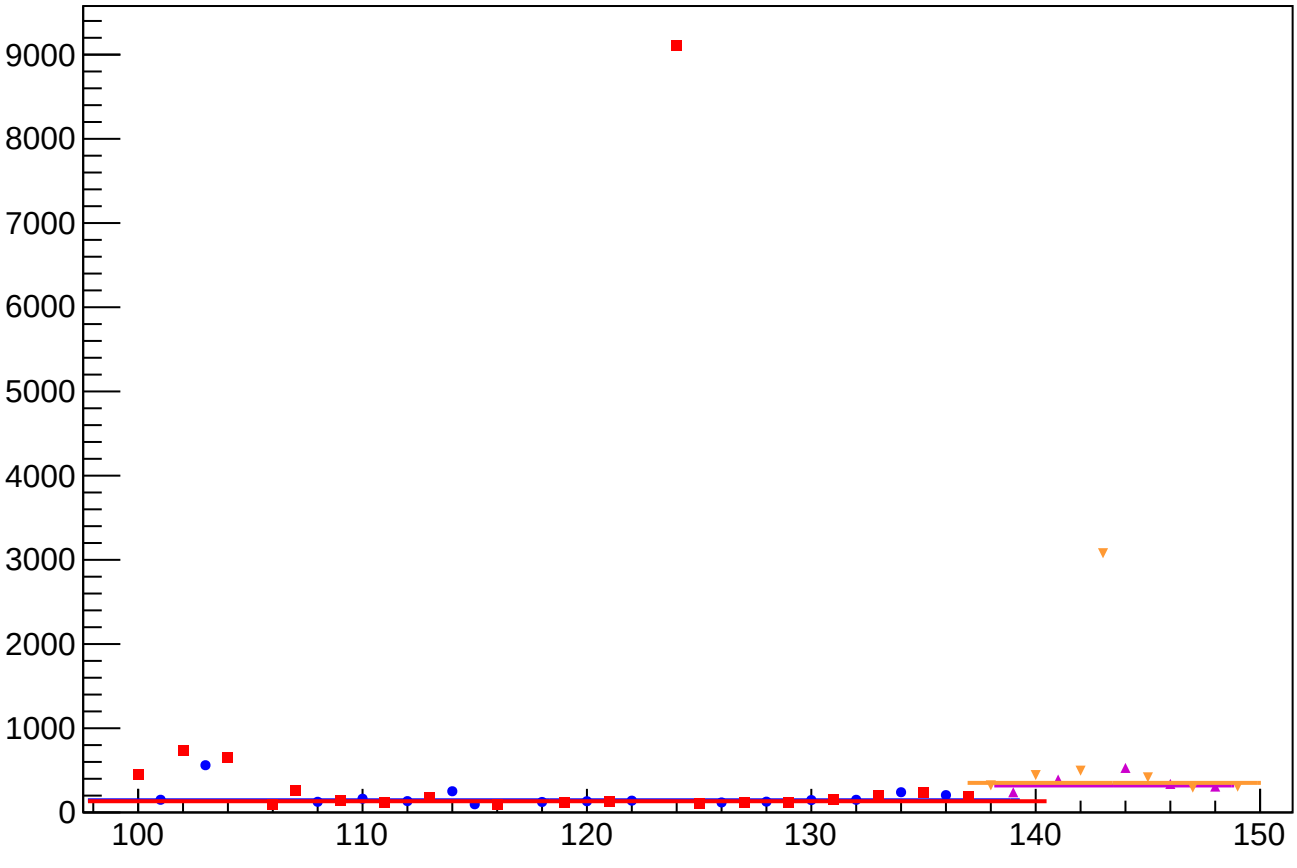
Left: -0.004+/-0.116 χ^2/NDF: 22.8/11

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.025+/-0.054 χ^2/NDF:35.4/25

All: -0.008+/-0.038 χ^2/NDF: 62.1/46



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.258+/-0.118 χ^2/NDF:1570086.1/6

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: 335.298+/-0.082 χ^2/NDF: 2120260.5/11

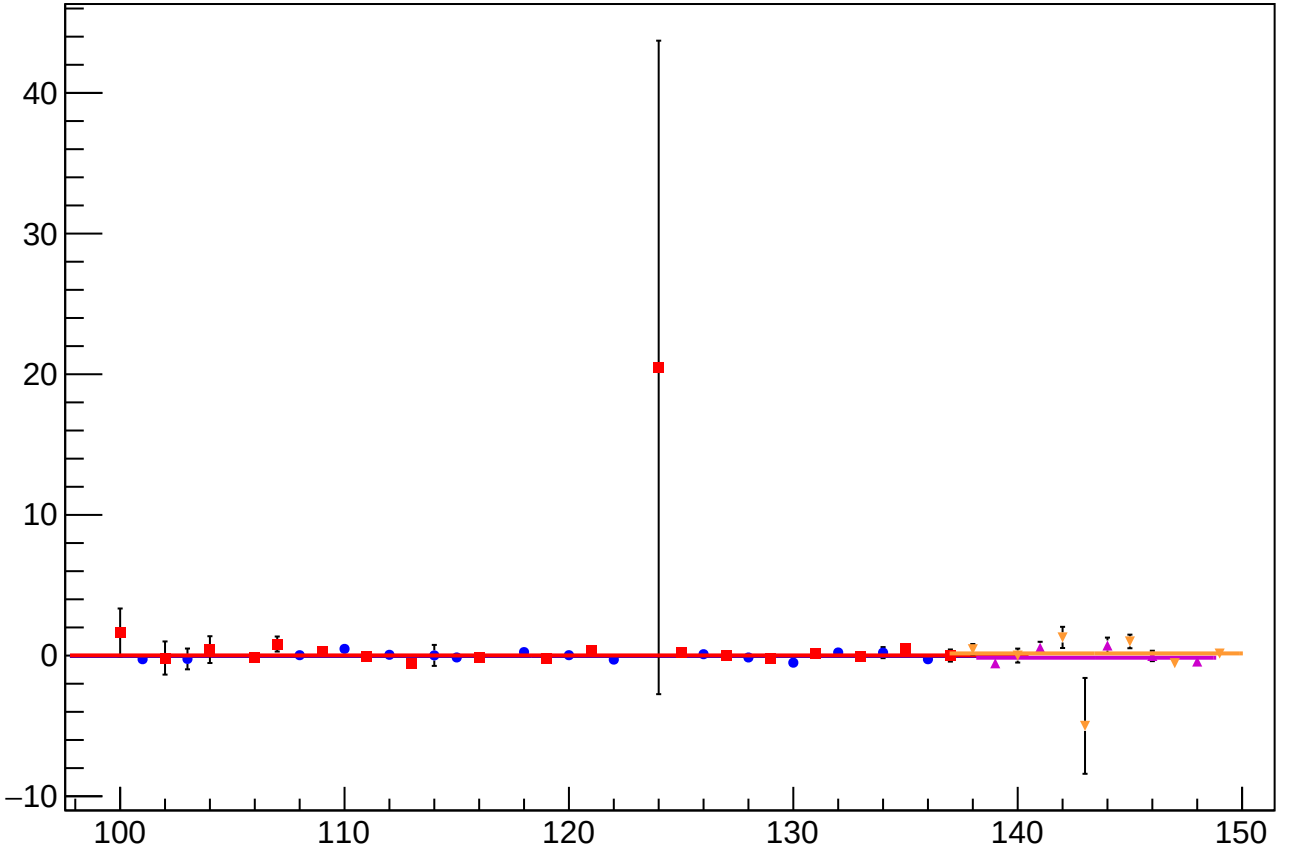
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 164.300+/-0.038 χ^2/NDF:3752165.2/20

Out: 155.525+/-0.038 χ^2/NDF:6831371.2/25

All: 159.840+/-0.027 χ^2/NDF: 10609946.5/46

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: 0.154+/-0.168 χ^2/NDF:13.0/6

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: -0.004+/-0.116 χ^2/NDF: 22.8/11

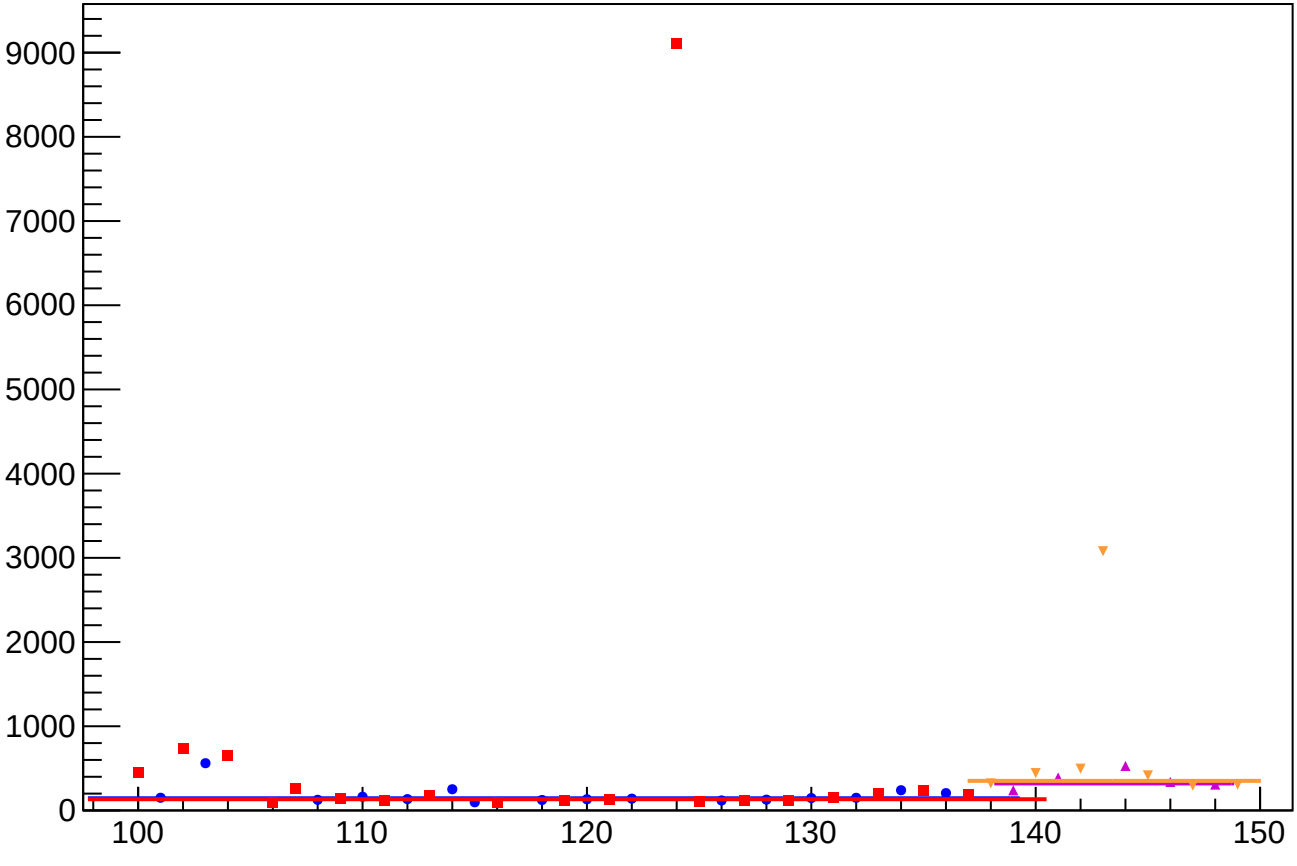
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.025+/-0.054 χ^2/NDF:35.4/25

All: -0.008+/-0.038 χ^2/NDF: 62.1/46

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.258+/-0.118 χ^2/NDF:1570086.1/6

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 320.458+/-0.114 χ^2/NDF:515145.0/4

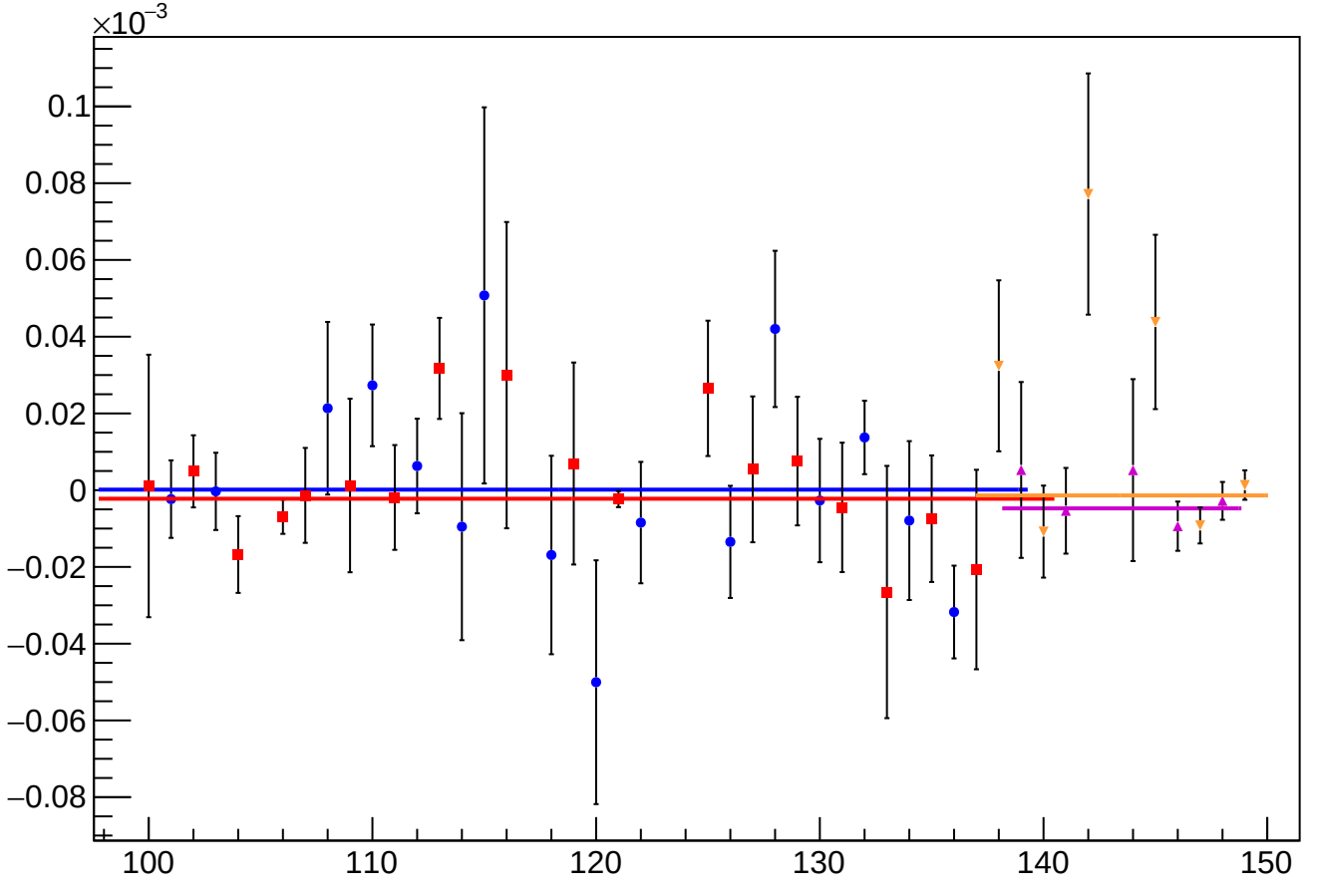
Left: 335.298+/-0.082 χ^2/NDF: 2120260.5/11

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 164.300+/-0.038 χ^2/NDF:3752165.2/20

Out: 155.525+/-0.038 χ^2/NDF:6831371.2/25

All: 159.840+/-0.027 χ^2/NDF: 10609946.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/4

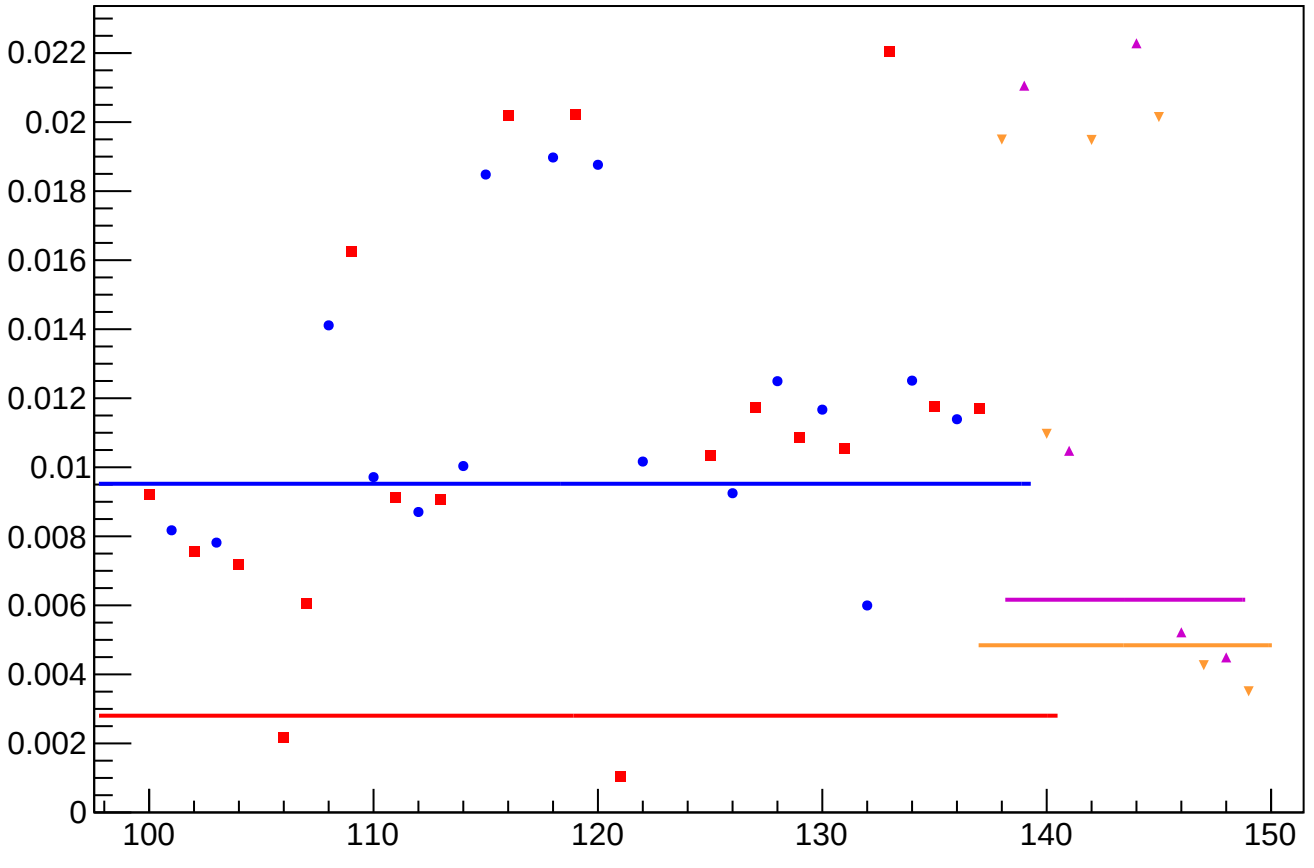
Left: -0.000+/-0.000 χ^2/NDF: 18.0/10

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:32.0/23

All: -0.000+/-0.000 χ^2/NDF: 56.8/44



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:2999884.7/5

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2341605.8/4

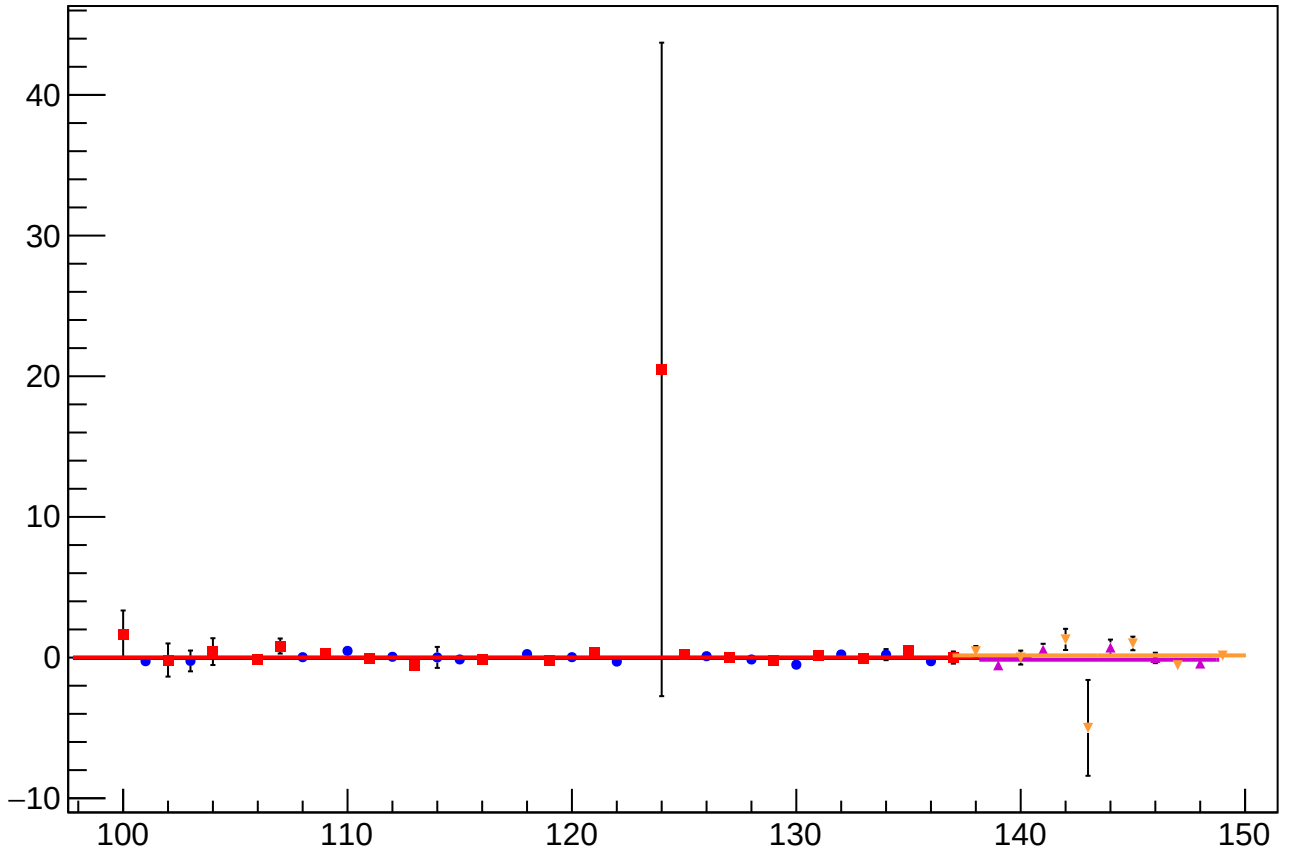
Left: 0.005+/-0.000 χ^2/NDF: 5507521.9/10

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:12328520.6/23

All: 0.004+/-0.000 χ^2/NDF: 21038079.4/44



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.154+/-0.168 χ^2/NDF:13.0/6

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: -0.004+/-0.116 χ^2/NDF: 22.8/11

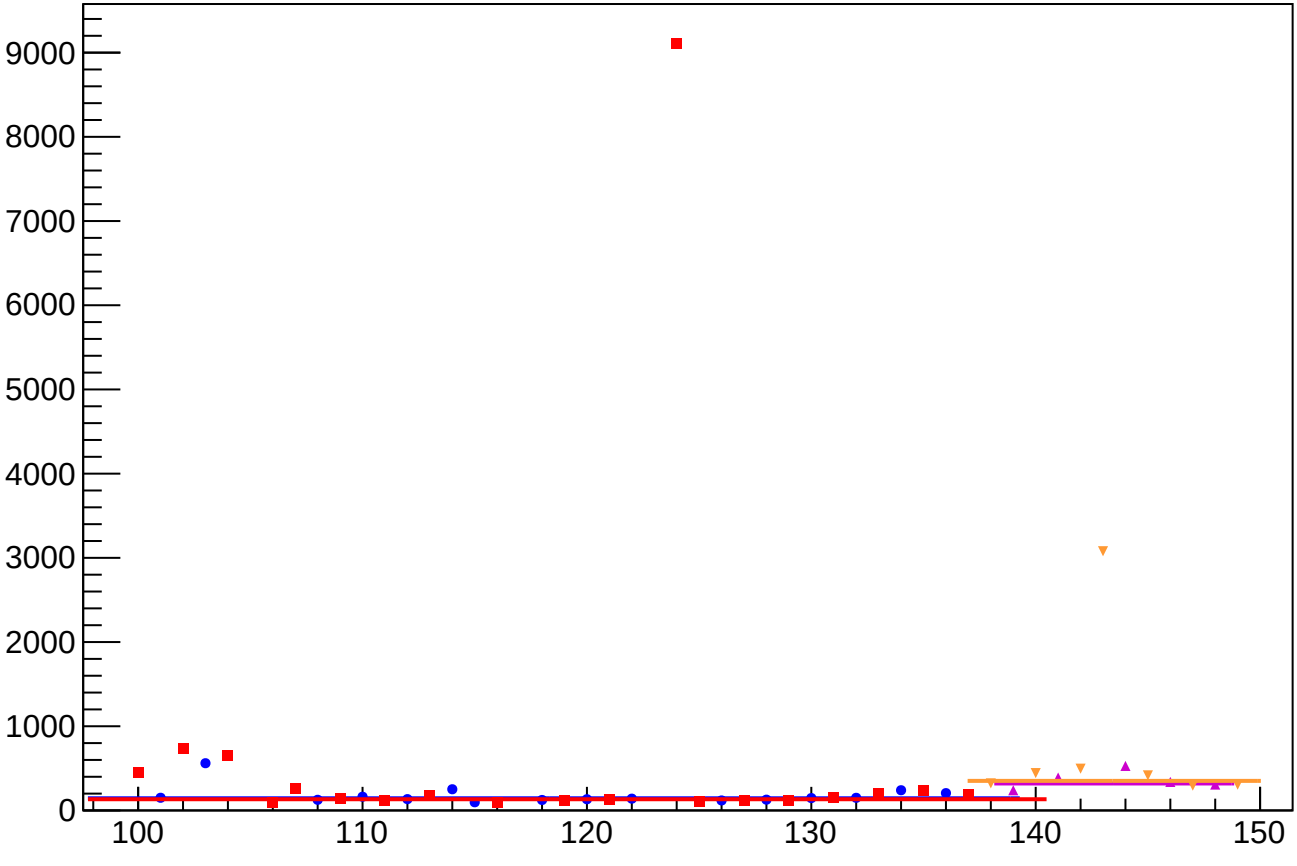
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.025+/-0.054 χ^2/NDF:35.4/25

All: -0.008+/-0.038 χ^2/NDF: 62.1/46

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 351.260+/-0.118 χ^2/NDF:1570107.5/6

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: 335.302+/-0.082 χ^2/NDF: 2120258.6/11

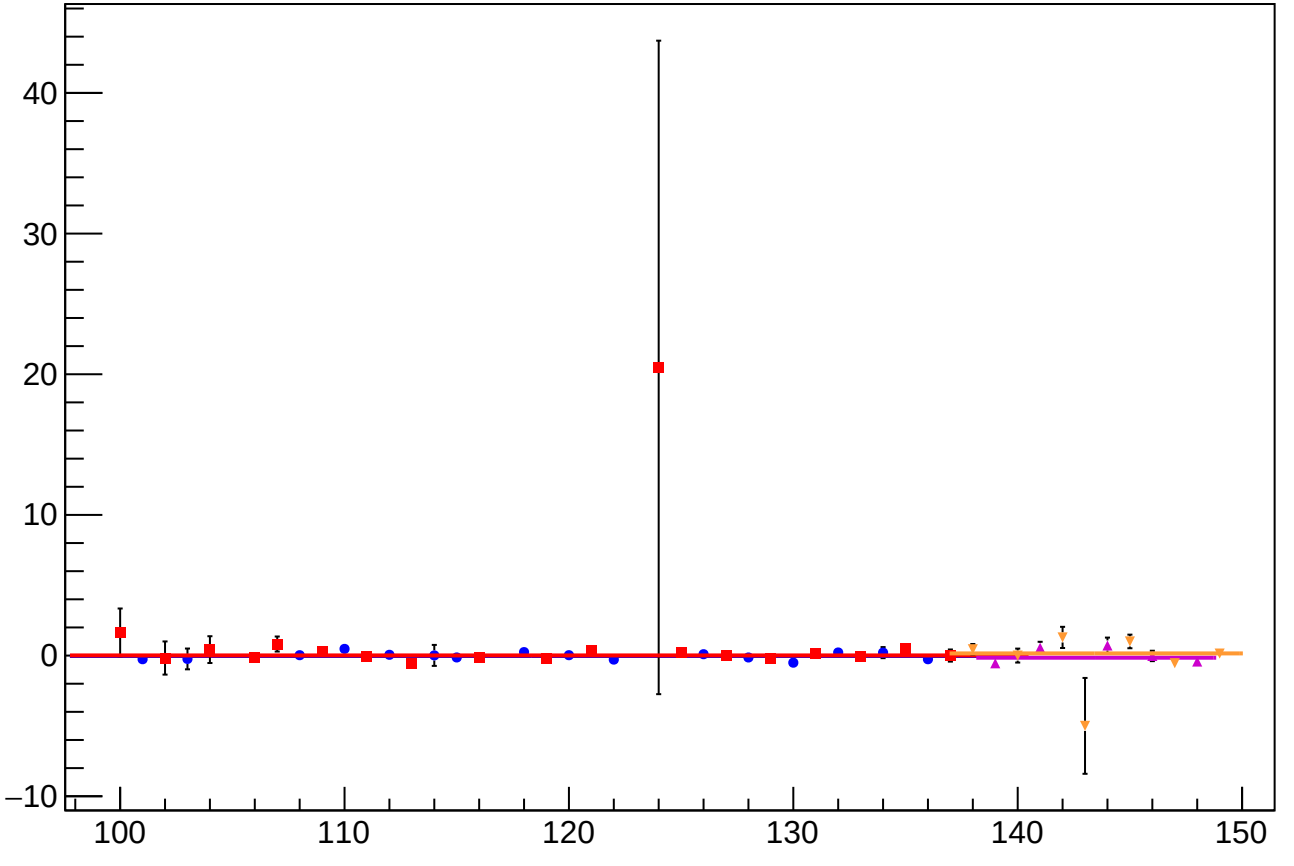
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 164.298+/-0.038 χ^2/NDF:3752274.4/20

Out: 155.524+/-0.038 χ^2/NDF:6831401.2/25

All: 159.838+/-0.027 χ^2/NDF: 10610081.6/46

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: 0.154+/-0.168 χ^2/NDF:13.0/6

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.151+/-0.162 χ^2/NDF:8.1/4

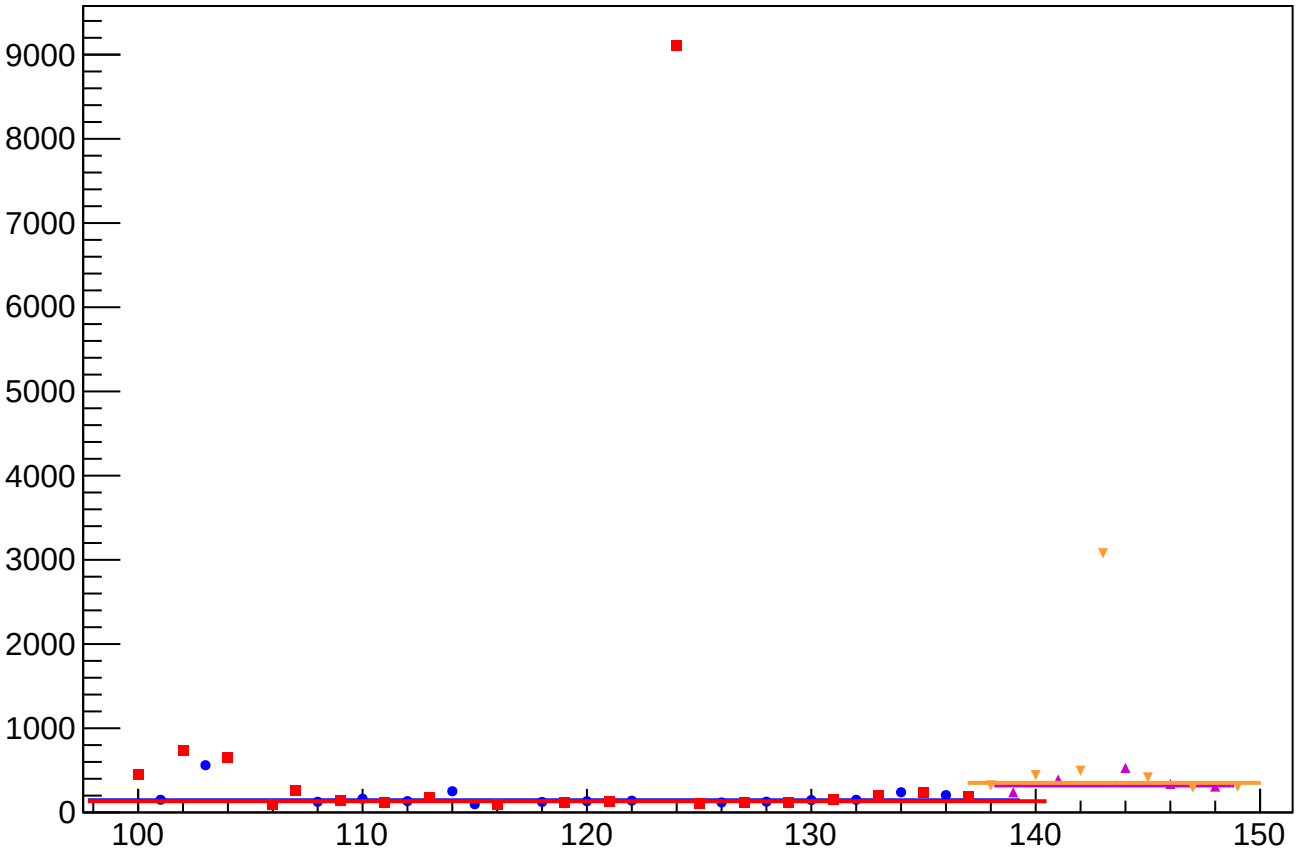
Left: -0.004+/-0.116 χ^2/NDF: 22.8/11

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.054 χ^2/NDF:25.9/20

Out: 0.025+/-0.054 χ^2/NDF:35.4/25

All: -0.008+/-0.038 χ^2/NDF: 62.1/46



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 351.260+/-0.118 χ^2/NDF:1570107.5/6

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 320.462+/-0.114 χ^2/NDF:515127.9/4

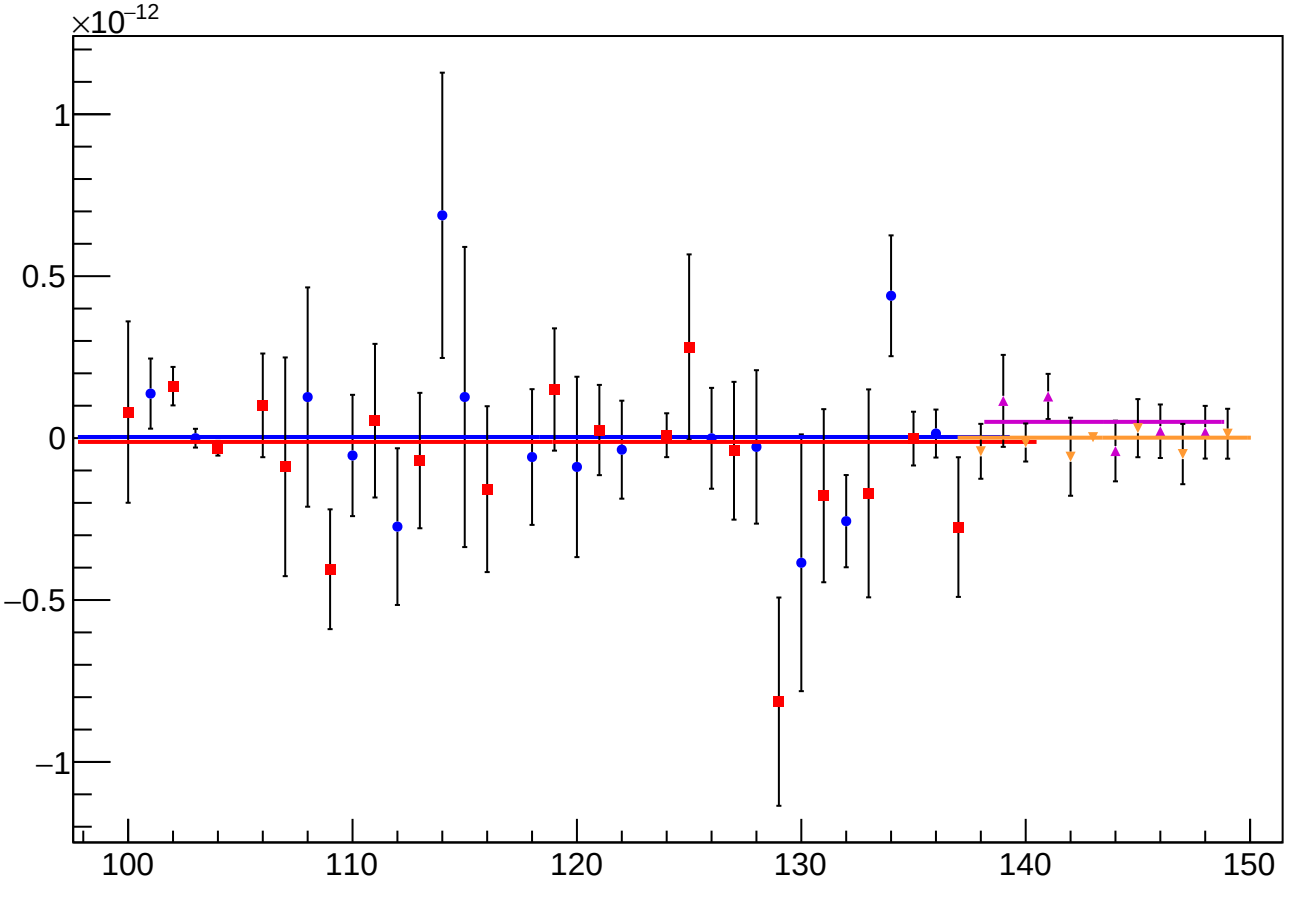
Left: 335.302+/-0.082 χ^2/NDF: 2120258.6/11

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 164.298+/-0.038 χ^2/NDF:3752274.4/20

Out: 155.524+/-0.038 χ^2/NDF:6831401.2/25

All: 159.838+/-0.027 χ^2/NDF: 10610081.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/4

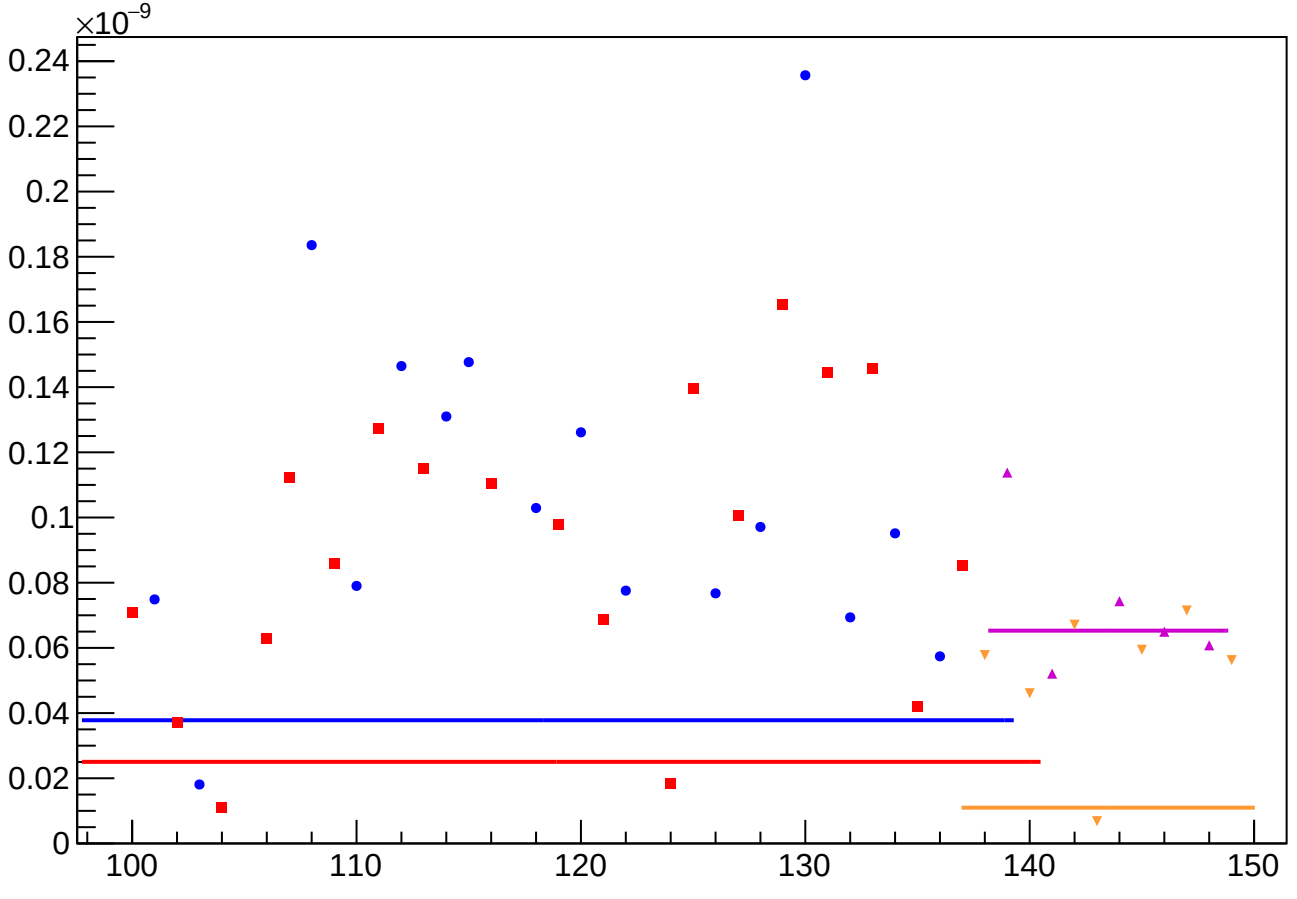
Left: 0.000+/-0.000 χ^2/NDF: 5.2/11

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:26.5/25

All: 0.000+/-0.000 χ^2/NDF: 46.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4216923.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:329446.7/4

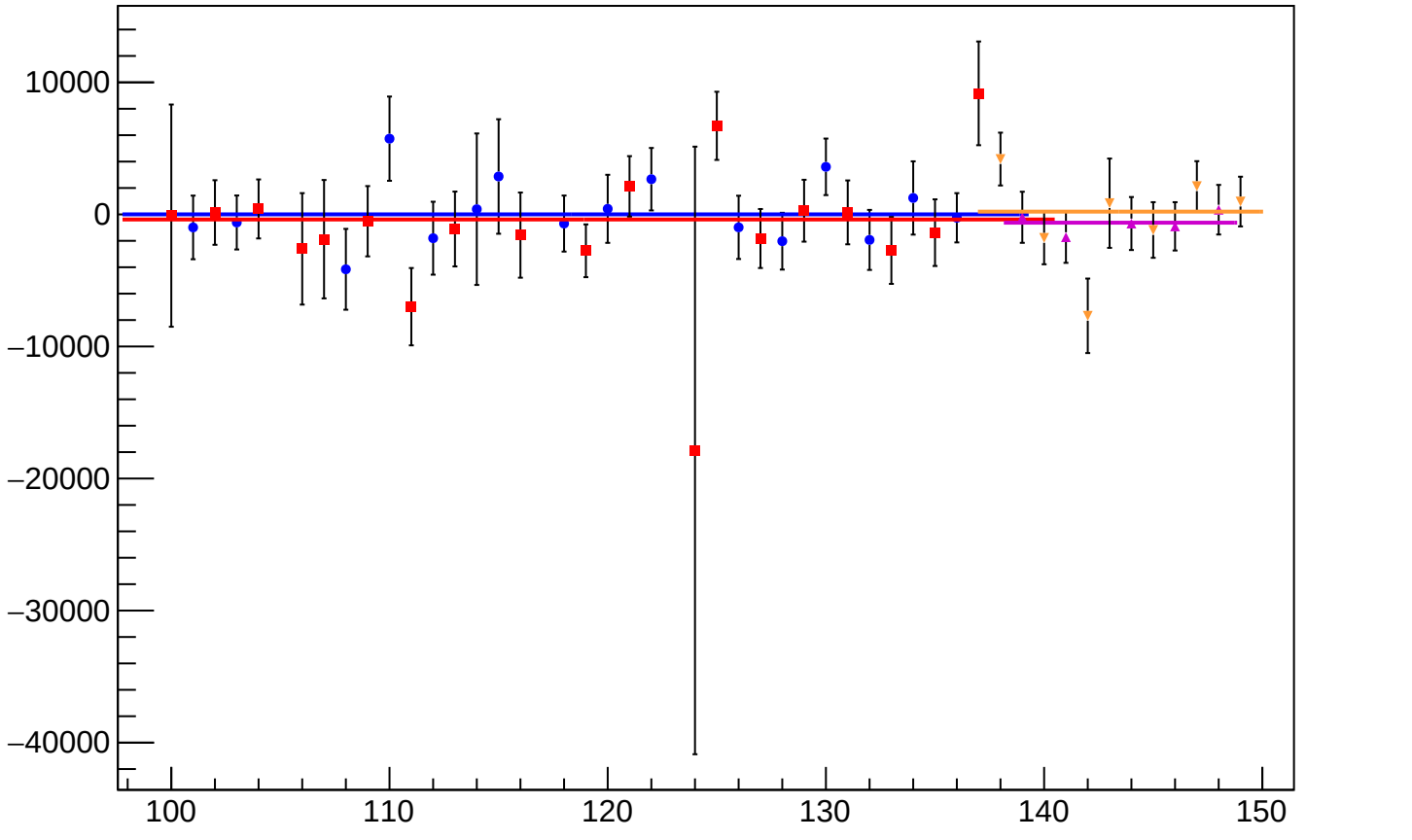
Left: 0.000+/-0.000 χ^2/NDF: 8248675.5/11

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:9823976.0/25

All: 0.000+/-0.000 χ^2/NDF: 18880726.9/46



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 210.797+/-816.436 χ^2/NDF:14.4/6

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: -187.709+/-591.082 χ^2/NDF: 15.6/11

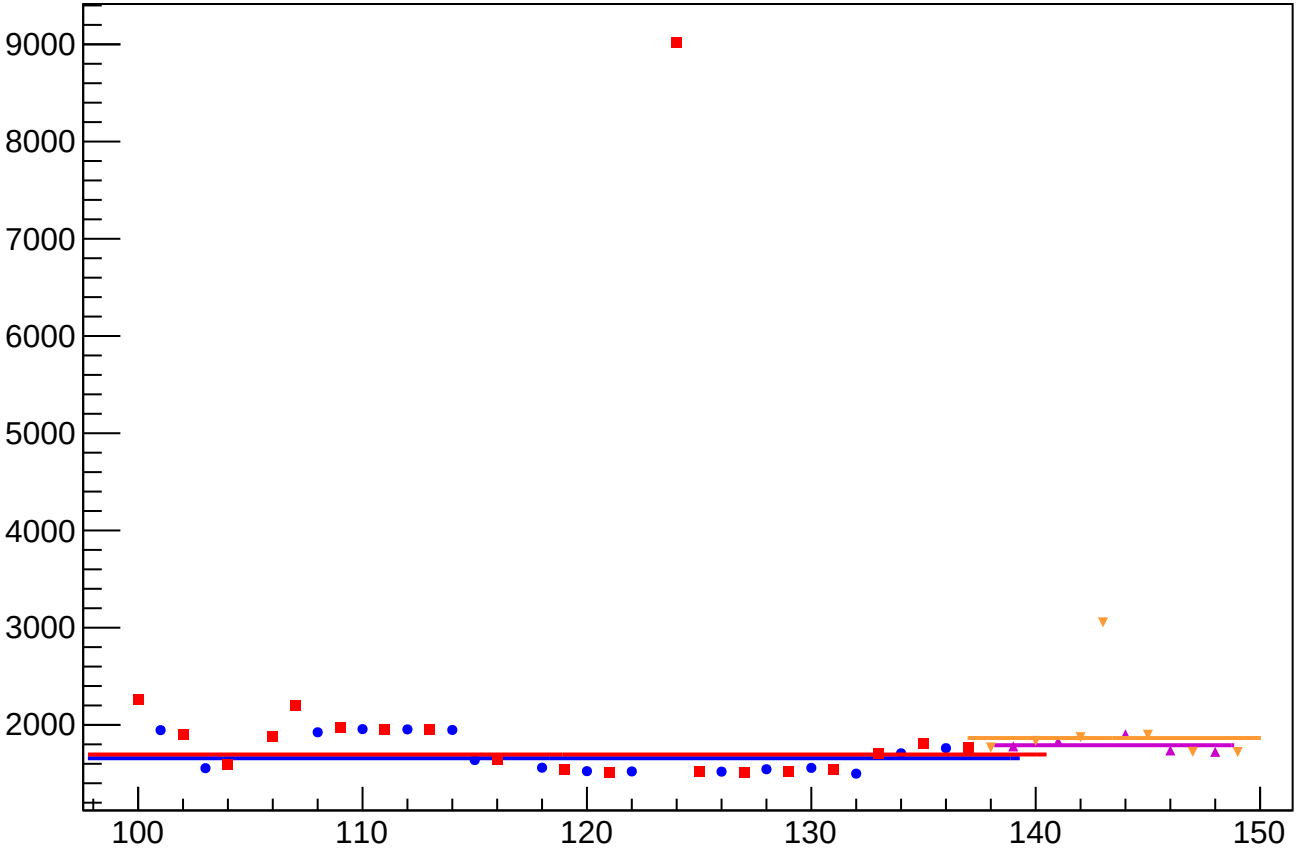
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -212.430+/-502.249 χ^2/NDF:13.5/20

Out: -160.863+/-500.591 χ^2/NDF:38.8/25

All: -186.561+/-354.556 χ^2/NDF: 52.3/46

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1864.947+/-0.577 χ^2/NDF:276477.6/6

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

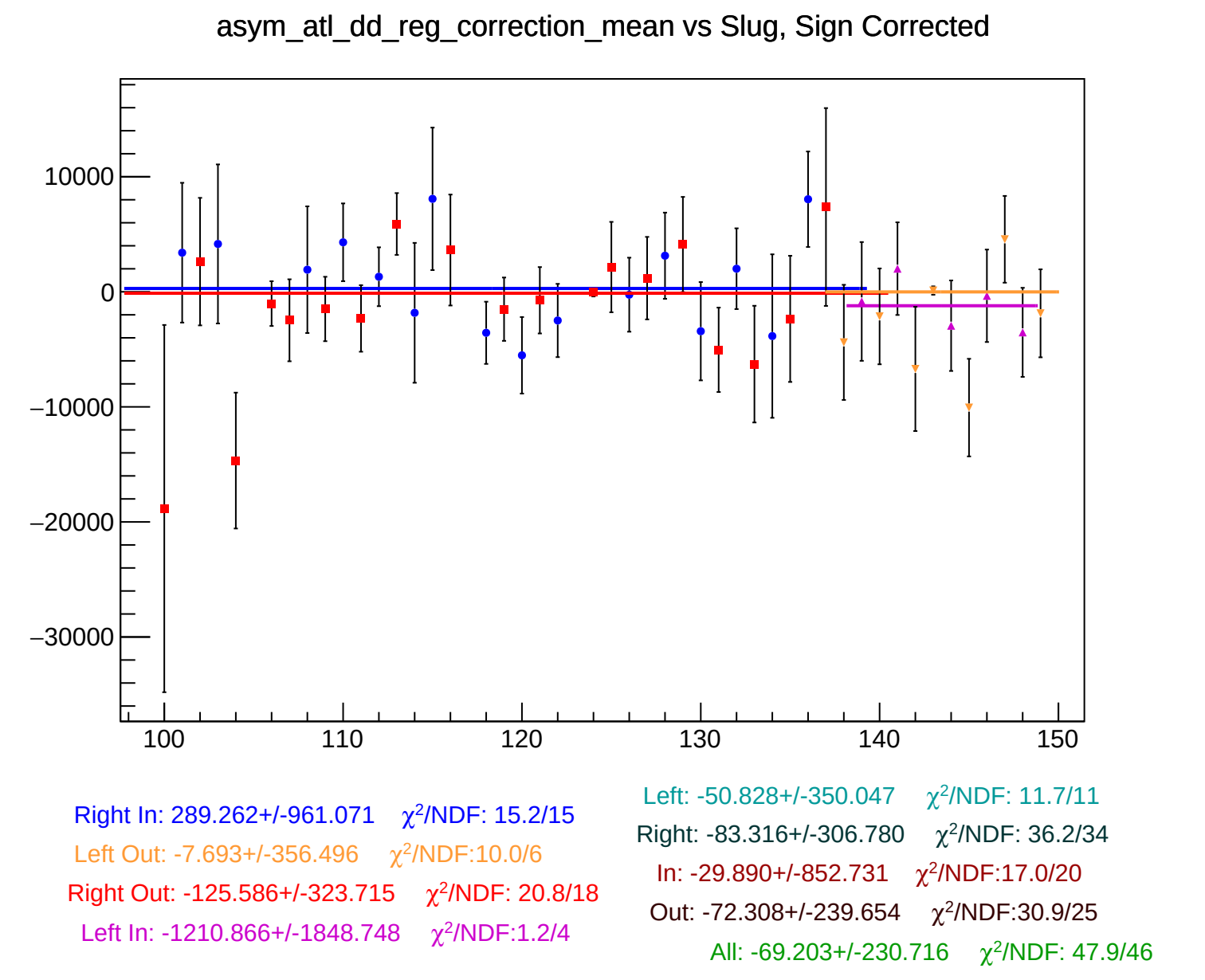
Left: 1829.737+/-0.418 χ^2/NDF: 295778.9/11

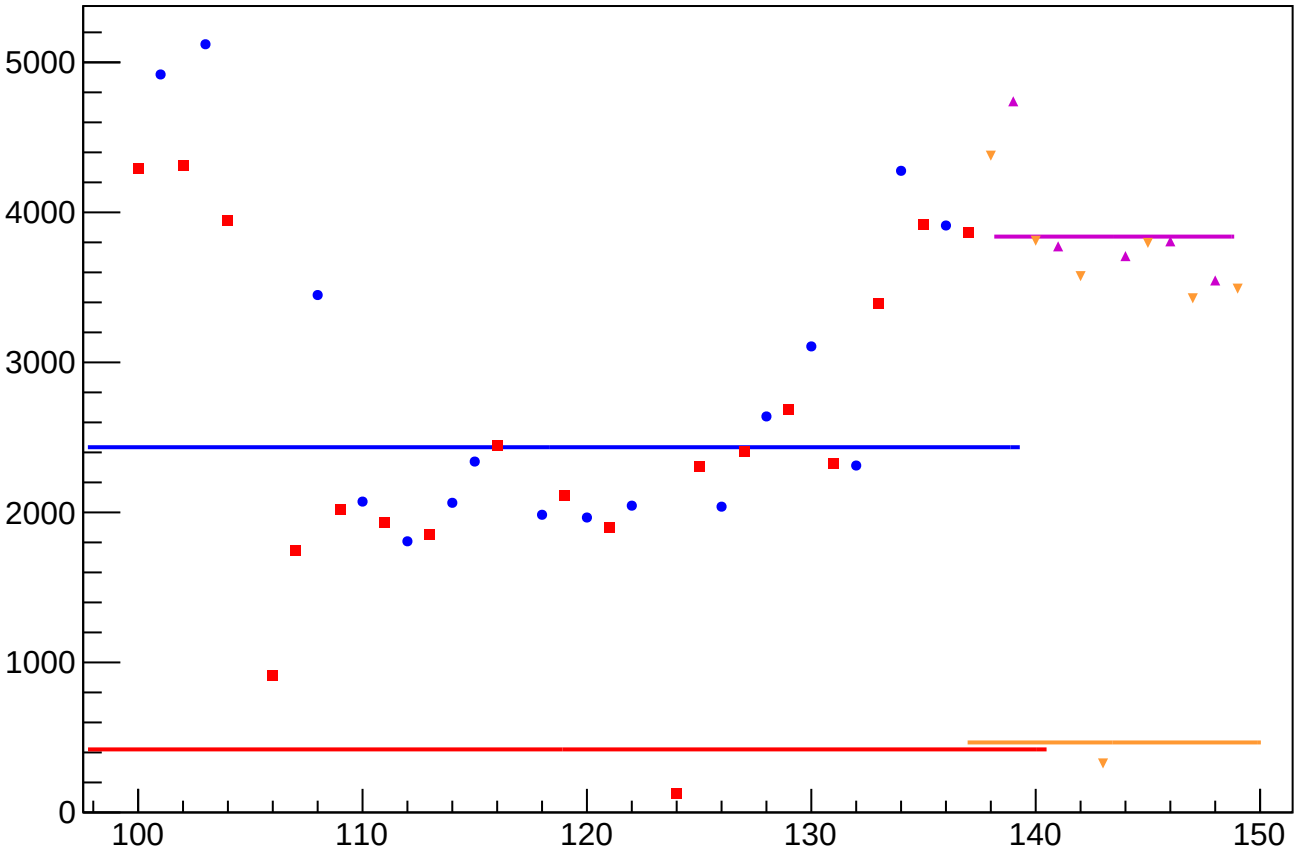
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1703.101+/-0.355 χ^2/NDF:187494.8/20

Out: 1758.929+/-0.353 χ^2/NDF:716547.4/25

All: 1731.188+/-0.250 χ^2/NDF: 916474.5/46


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: -7.693+/-356.496 χ²/NDF:10.0/6
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -1210.866+/-1848.748 χ²/NDF:1.2/4
Left: -50.828+/-350.047 χ²/NDF: 11.7/11
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: -29.890+/-852.731 χ²/NDF:17.0/20
Out: -72.308+/-239.654 χ²/NDF:30.9/25
All: -69.203+/-230.716 χ²/NDF: 47.9/46



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 466.617+/-0.252 χ^2/NDF:7188242.0/6

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3838.530+/-1.307 χ^2/NDF:75306.2/4

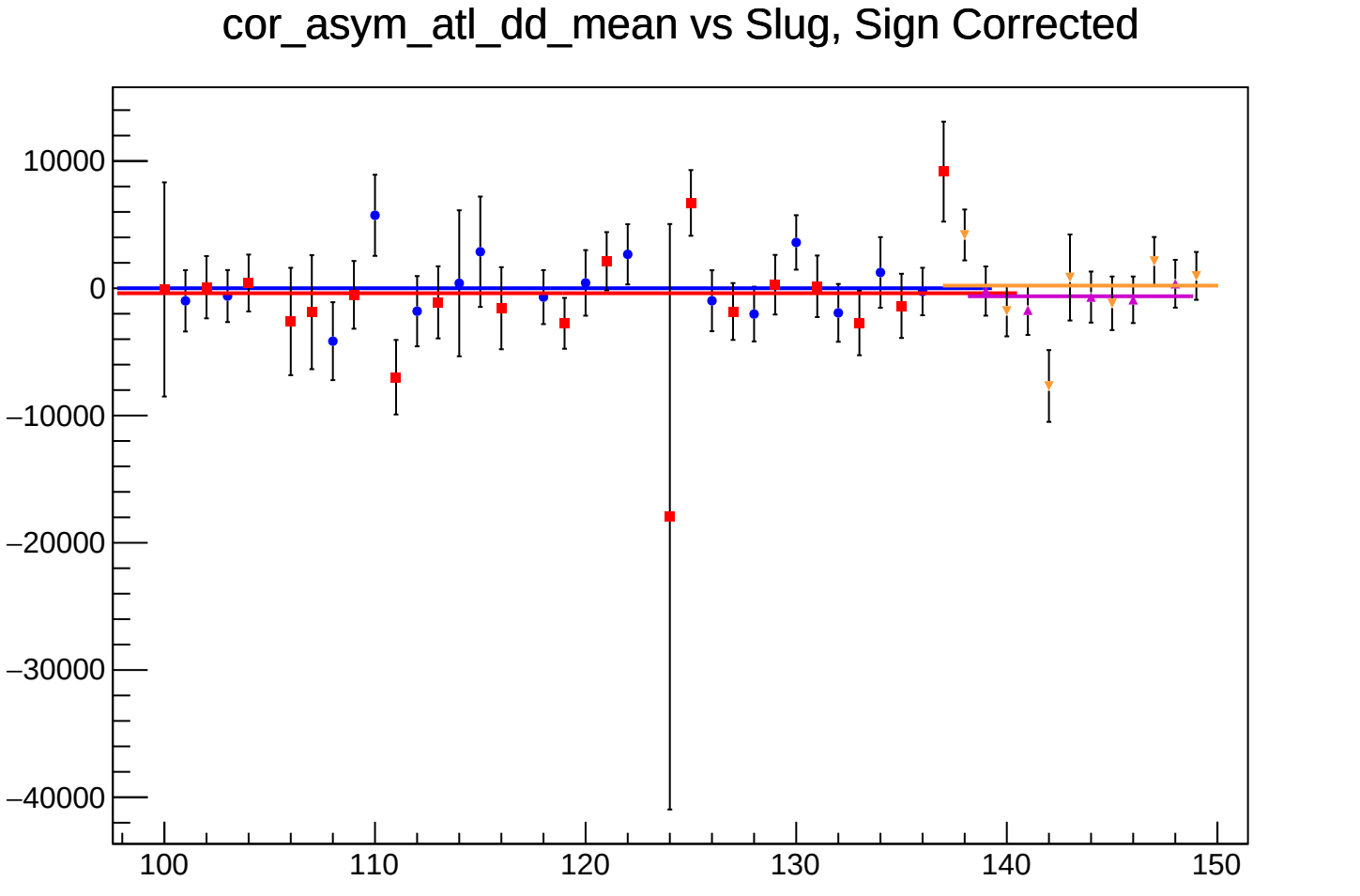
Left: 587.503+/-0.248 χ^2/NDF: 13678178.5/11

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2733.280+/-0.603 χ^2/NDF:2441020.8/20

Out: 441.227+/-0.169 χ^2/NDF:18270725.2/25

All: 609.013+/-0.163 χ^2/NDF: 34103576.8/46



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 210.622+/-816.436 χ^2/NDF:14.4/6

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: -187.746+/-591.082 χ^2/NDF: 15.6/11

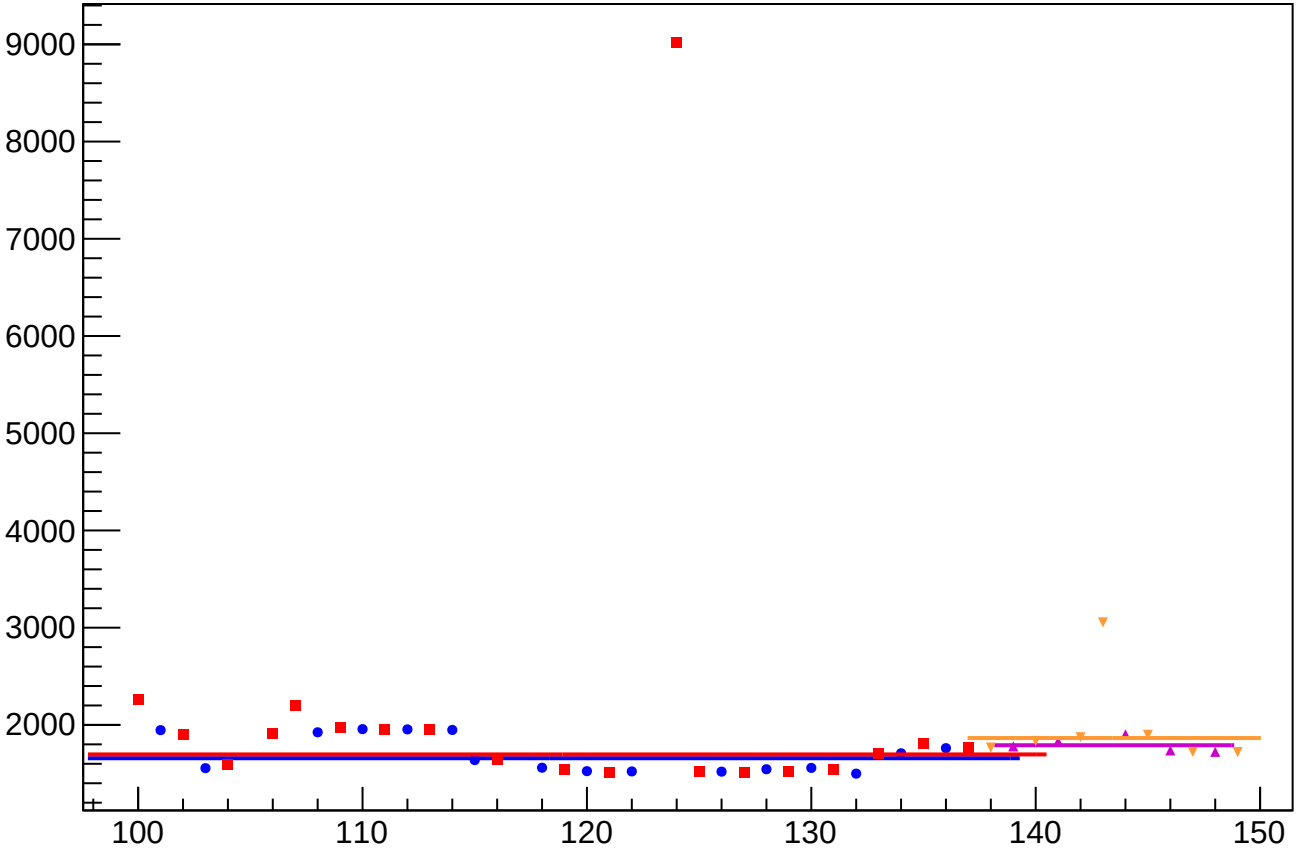
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -212.442+/-502.249 χ^2/NDF:13.5/20

Out: -163.608+/-500.594 χ^2/NDF:38.8/25

All: -187.944+/-354.557 χ^2/NDF: 52.3/46

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1864.947+/-0.577 χ^2/NDF:276477.6/6

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

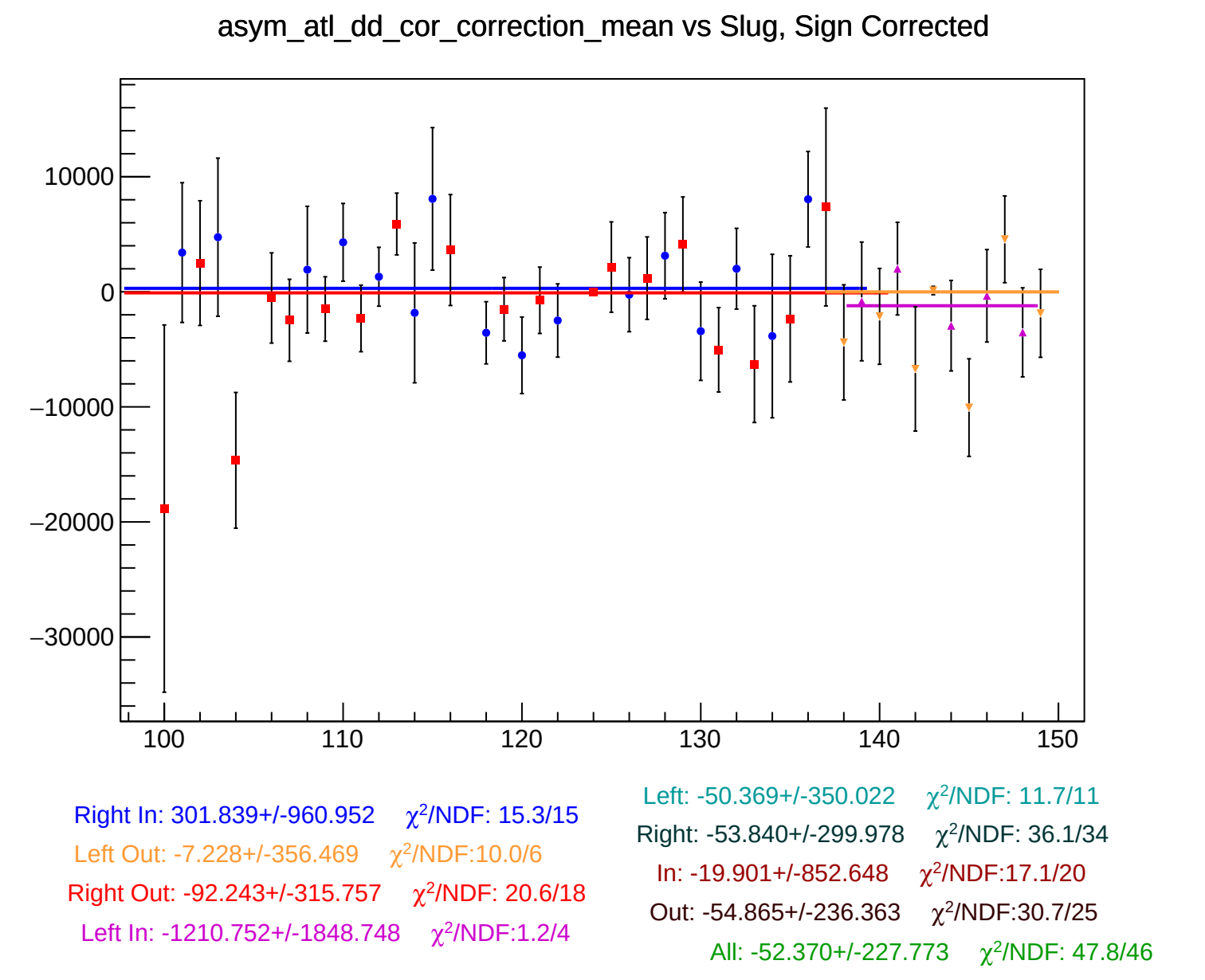
Left: 1829.737+/-0.418 χ^2/NDF: 295778.9/11

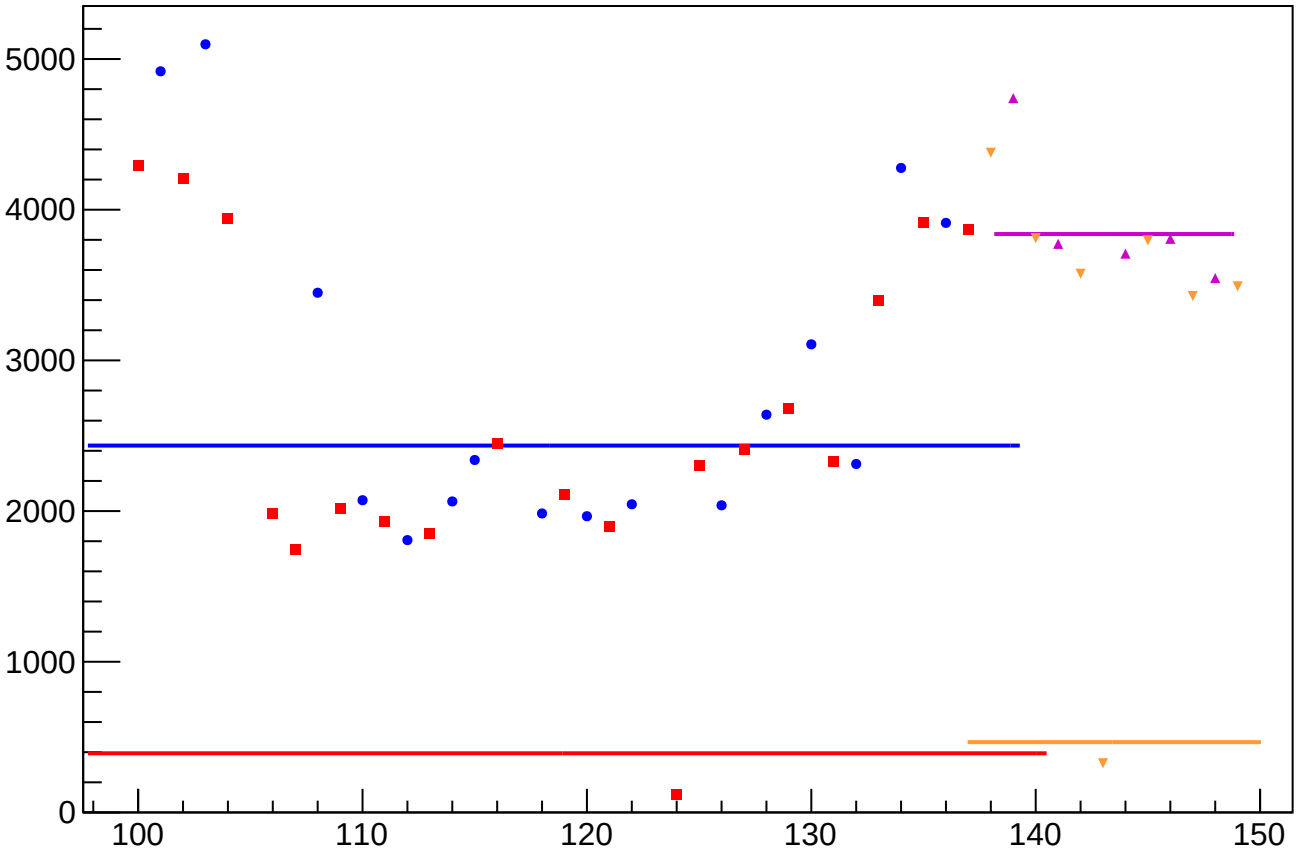
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1703.101+/-0.355 χ^2/NDF:187494.9/20

Out: 1759.464+/-0.353 χ^2/NDF:717782.8/25

All: 1731.448+/-0.250 χ^2/NDF: 917945.7/46


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: -7.228+/-356.469 χ²/NDF:10.0/6
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -1210.752+/-1848.748 χ²/NDF:1.2/4
Left: -50.369+/-350.022 χ²/NDF: 11.7/11
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -19.901+/-852.648 χ²/NDF:17.1/20
Out: -54.865+/-236.363 χ²/NDF:30.7/25
All: -52.370+/-227.773 χ²/NDF: 47.8/46



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 466.568+/-0.252 χ^2/NDF:7188406.4/6

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

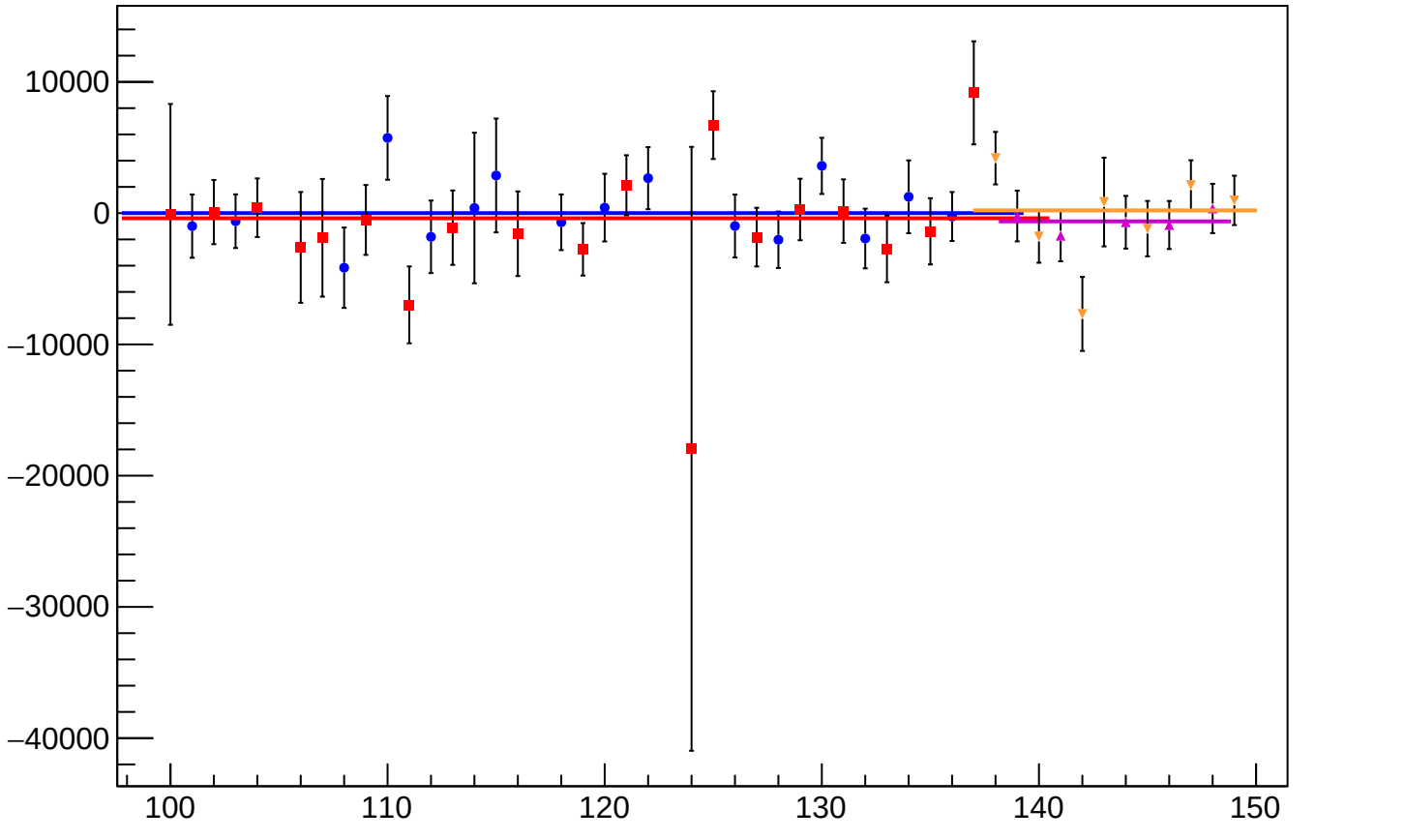
Left: 587.438+/-0.248 χ^2/NDF: 13678567.1/11

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2733.352+/-0.603 χ^2/NDF:2439161.1/20

Out: 425.157+/-0.167 χ^2/NDF:18644580.5/25

All: 589.875+/-0.161 χ^2/NDF: 34694489.4/46



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 210.622+/-816.436 χ^2/NDF:14.4/6

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: -187.746+/-591.082 χ^2/NDF: 15.6/11

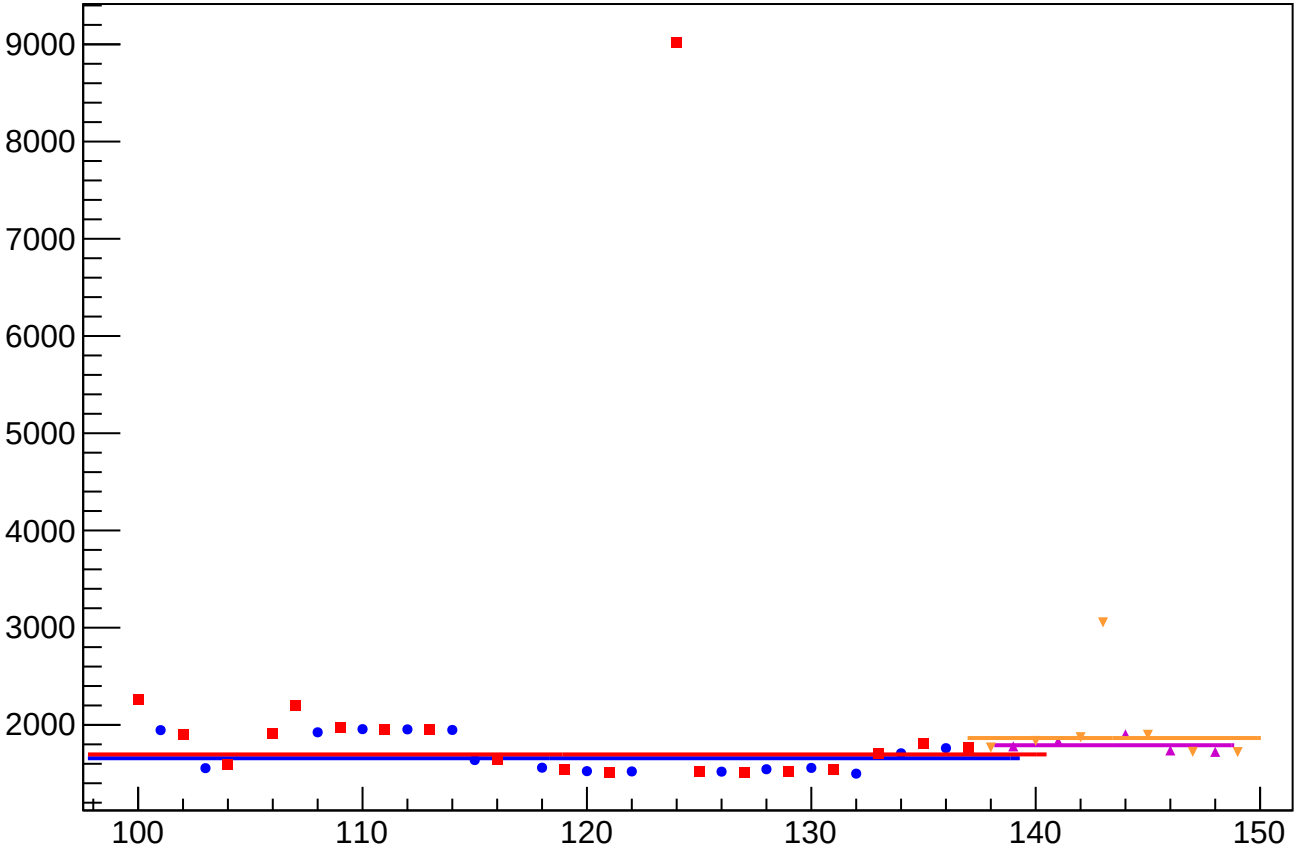
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -212.442+/-502.249 χ^2/NDF:13.5/20

Out: -163.608+/-500.594 χ^2/NDF:38.8/25

All: -187.944+/-354.557 χ^2/NDF: 52.3/46

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1864.947+/-0.577 χ^2/NDF:276477.6/6

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1790.953+/-0.606 χ^2/NDF:11484.2/4

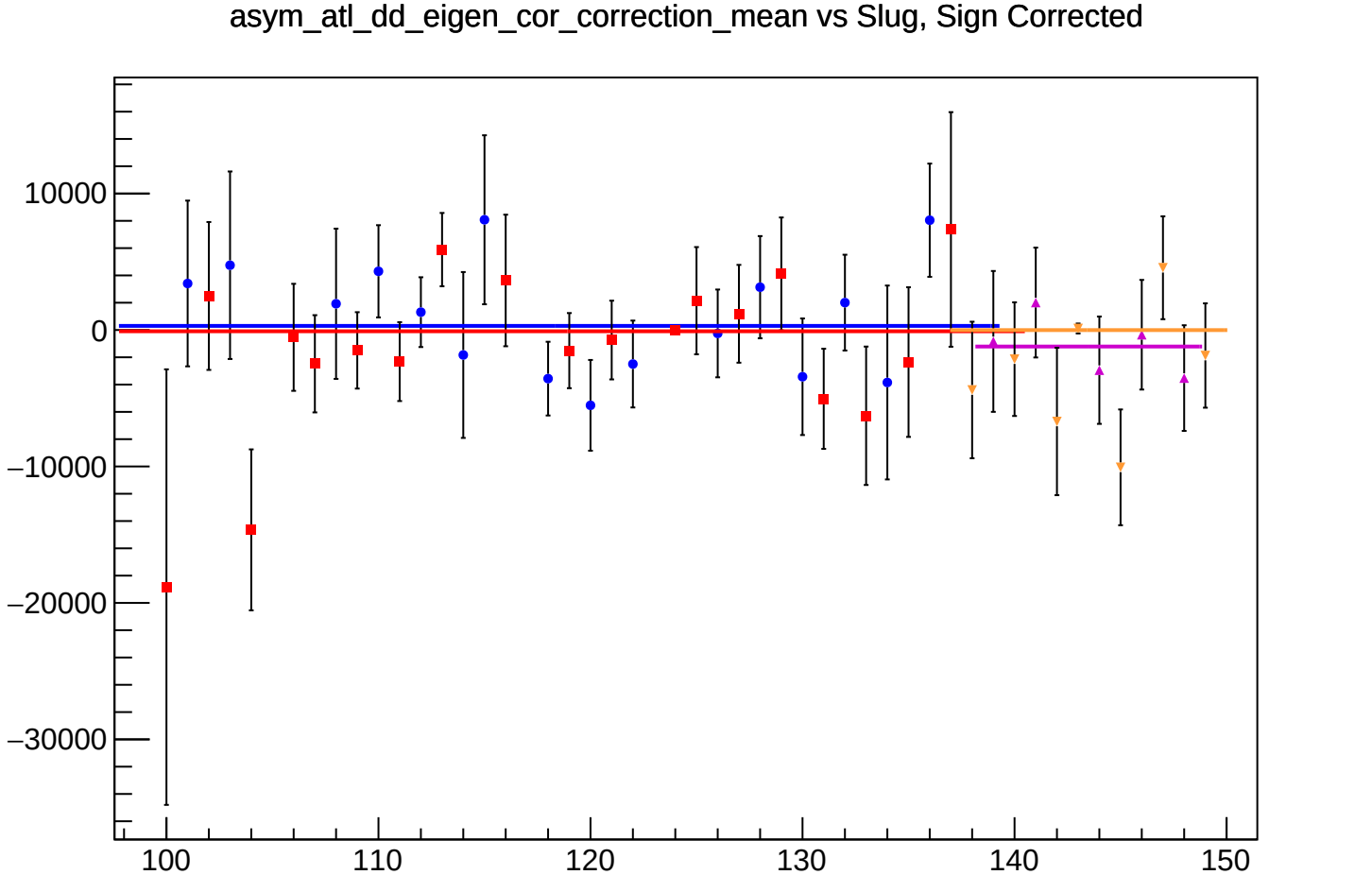
Left: 1829.737+/-0.418 χ^2/NDF: 295778.9/11

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1703.101+/-0.355 χ^2/NDF:187494.9/20

Out: 1759.464+/-0.353 χ^2/NDF:717782.8/25

All: 1731.448+/-0.250 χ^2/NDF: 917945.7/46



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -7.228+/-356.469 χ^2/NDF:10.0/6

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1210.752+/-1848.748 χ^2/NDF:1.2/4

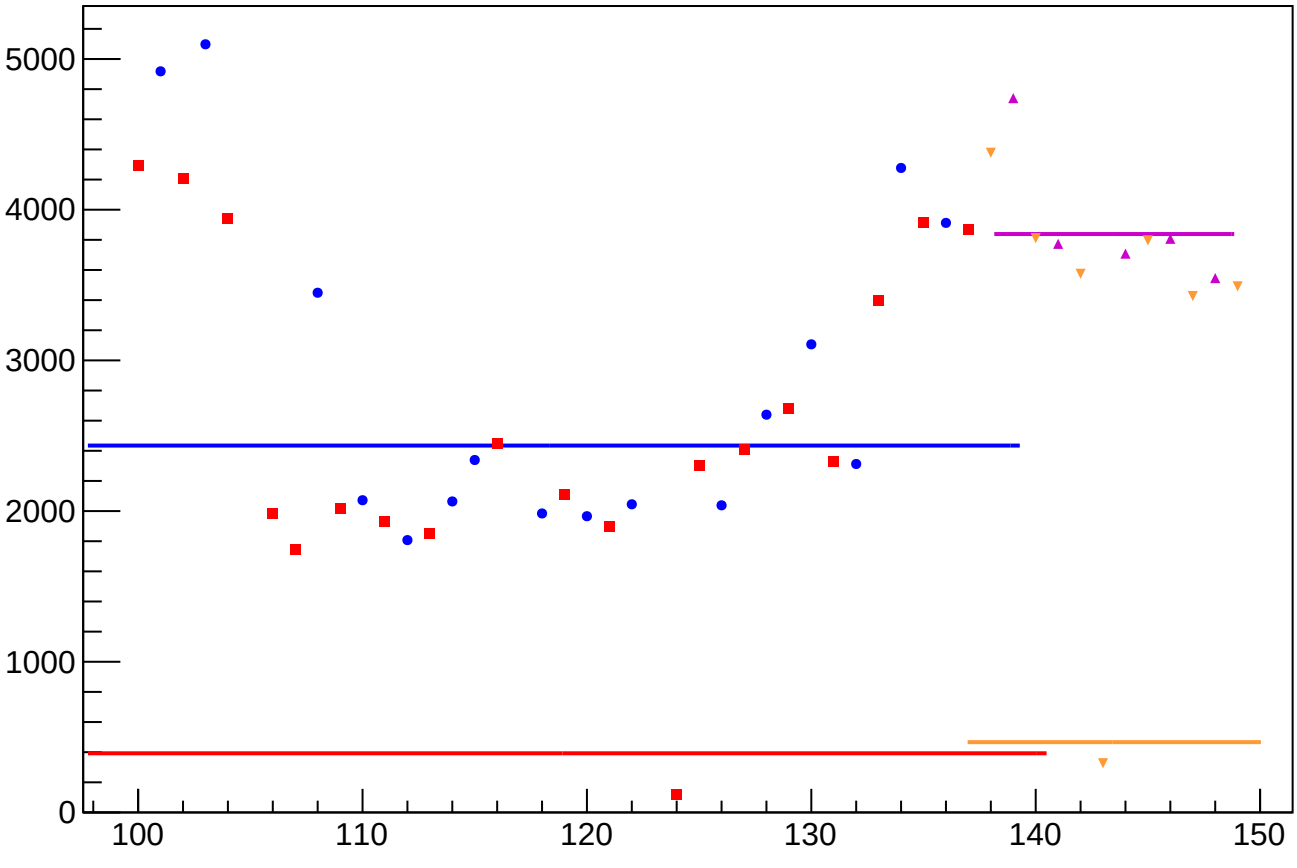
Left: -50.369+/-350.022 χ^2/NDF: 11.7/11

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -19.901+/-852.648 χ^2/NDF:17.1/20

Out: -54.865+/-236.363 χ^2/NDF:30.7/25

All: -52.370+/-227.773 χ^2/NDF: 47.8/46



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 466.568+/-0.252 χ^2/NDF:7188406.4/6

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3838.532+/-1.307 χ^2/NDF:75303.5/4

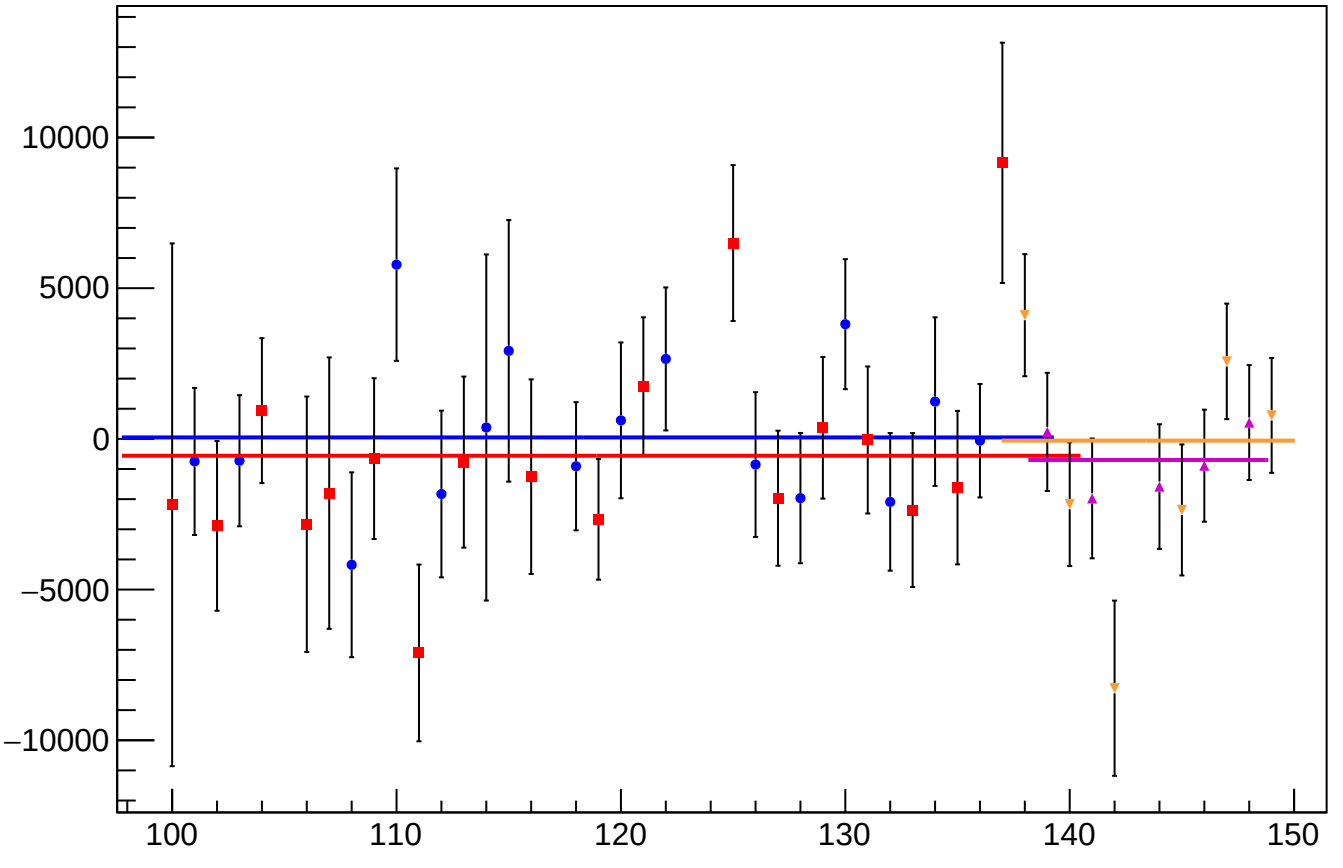
Left: 587.438+/-0.248 χ^2/NDF: 13678567.1/11

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2733.352+/-0.603 χ^2/NDF:2439161.1/20

Out: 425.157+/-0.167 χ^2/NDF:18644580.5/25

All: 589.875+/-0.161 χ^2/NDF: 34694489.4/46



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -57.531+/-857.998 χ^2/NDF:16.5/5

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: -372.998+/-611.987 χ^2/NDF: 18.0/10

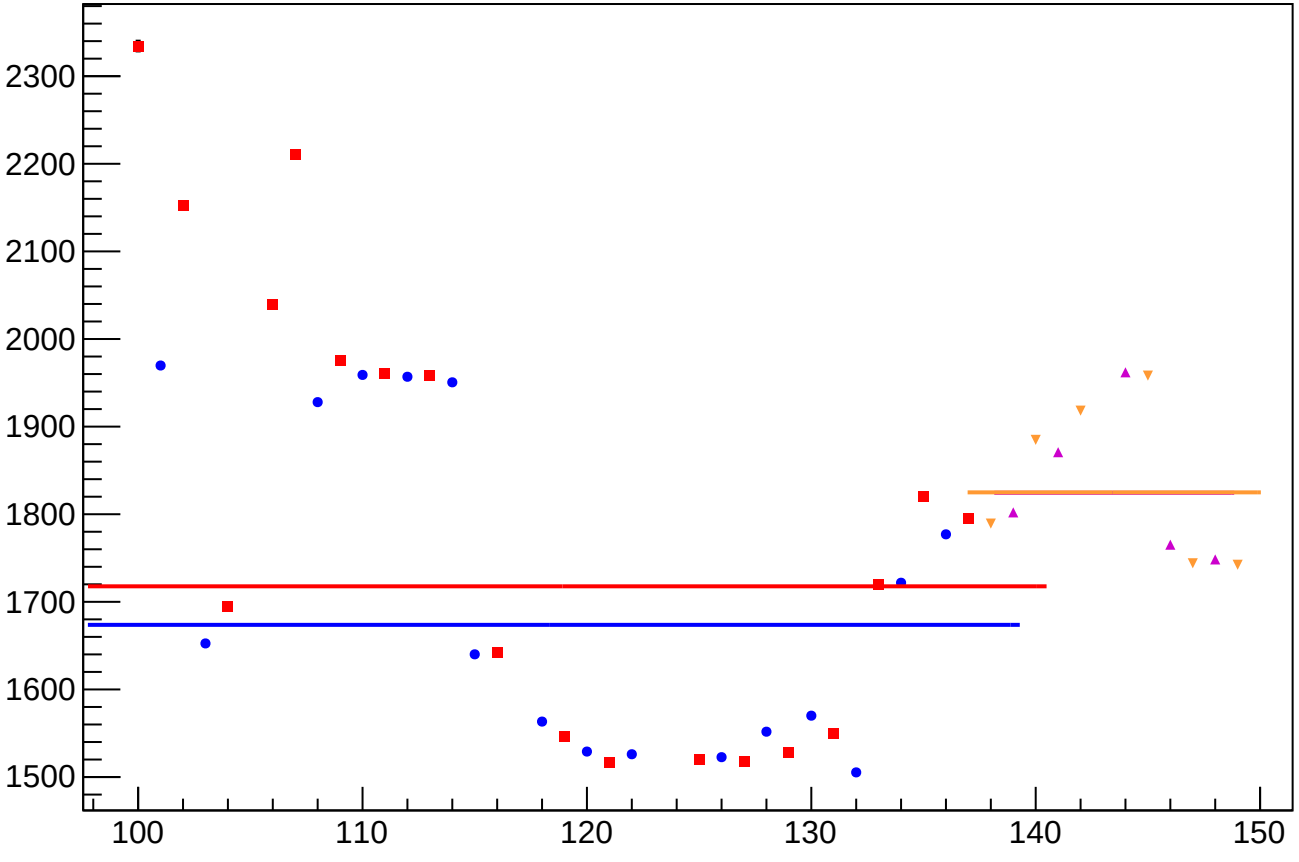
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -205.708+/-508.840 χ^2/NDF:14.6/20

Out: -378.210+/-515.715 χ^2/NDF:40.0/23

All: -290.801+/-362.210 χ^2/NDF: 54.6/44

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1824.955+/-0.607 χ^2/NDF:19225.1/5

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1824.466+/-0.617 χ^2/NDF:15406.5/4

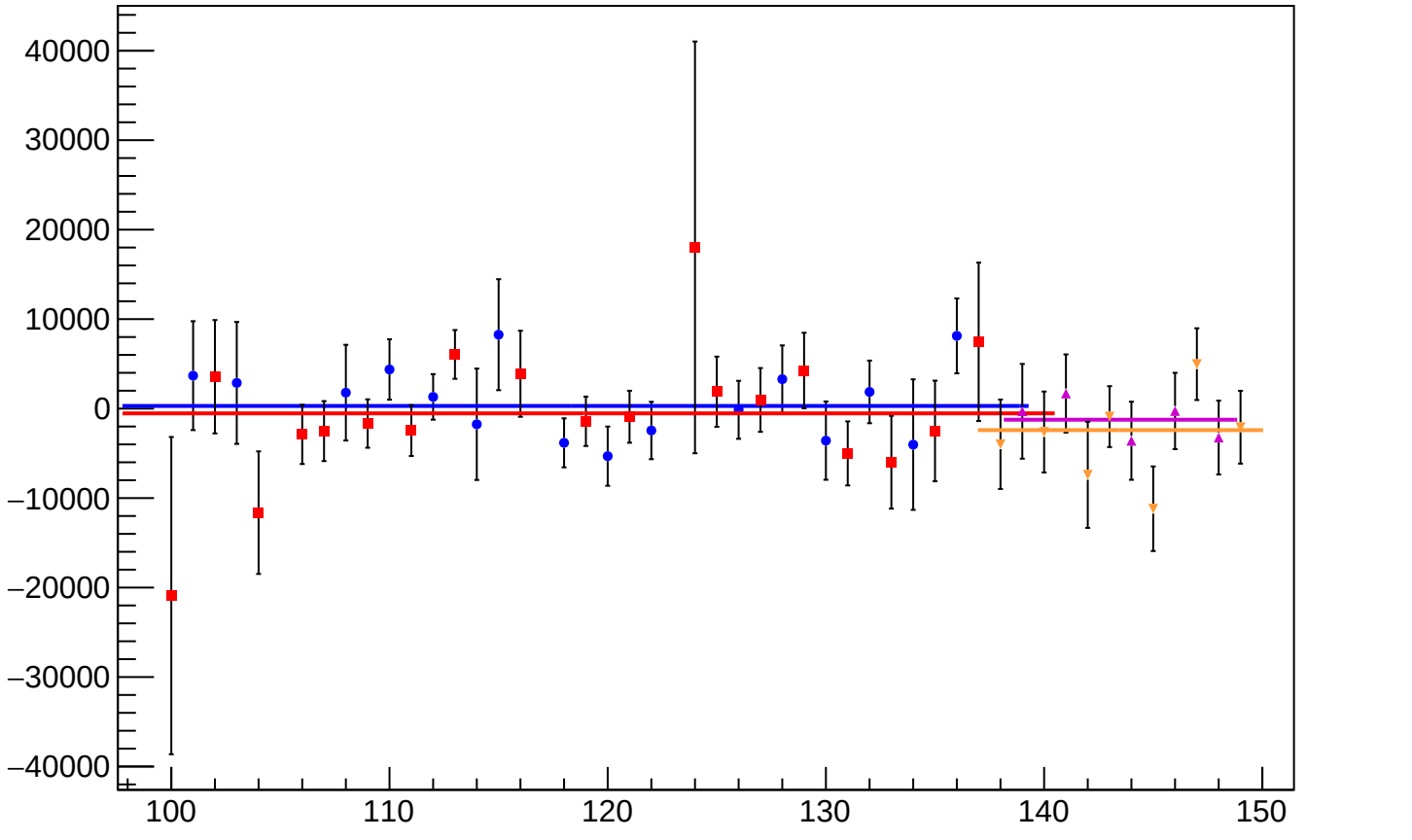
Left: 1824.715+/-0.433 χ^2/NDF: 34632.0/10

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1724.920+/-0.360 χ^2/NDF:195642.8/20

Out: 1756.343+/-0.364 χ^2/NDF:266857.4/23

All: 1740.444+/-0.256 χ^2/NDF: 466268.4/44



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2404.576+/-1641.486 χ^2/NDF:7.9/6

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1240.260+/-1983.003 χ^2/NDF:1.1/4

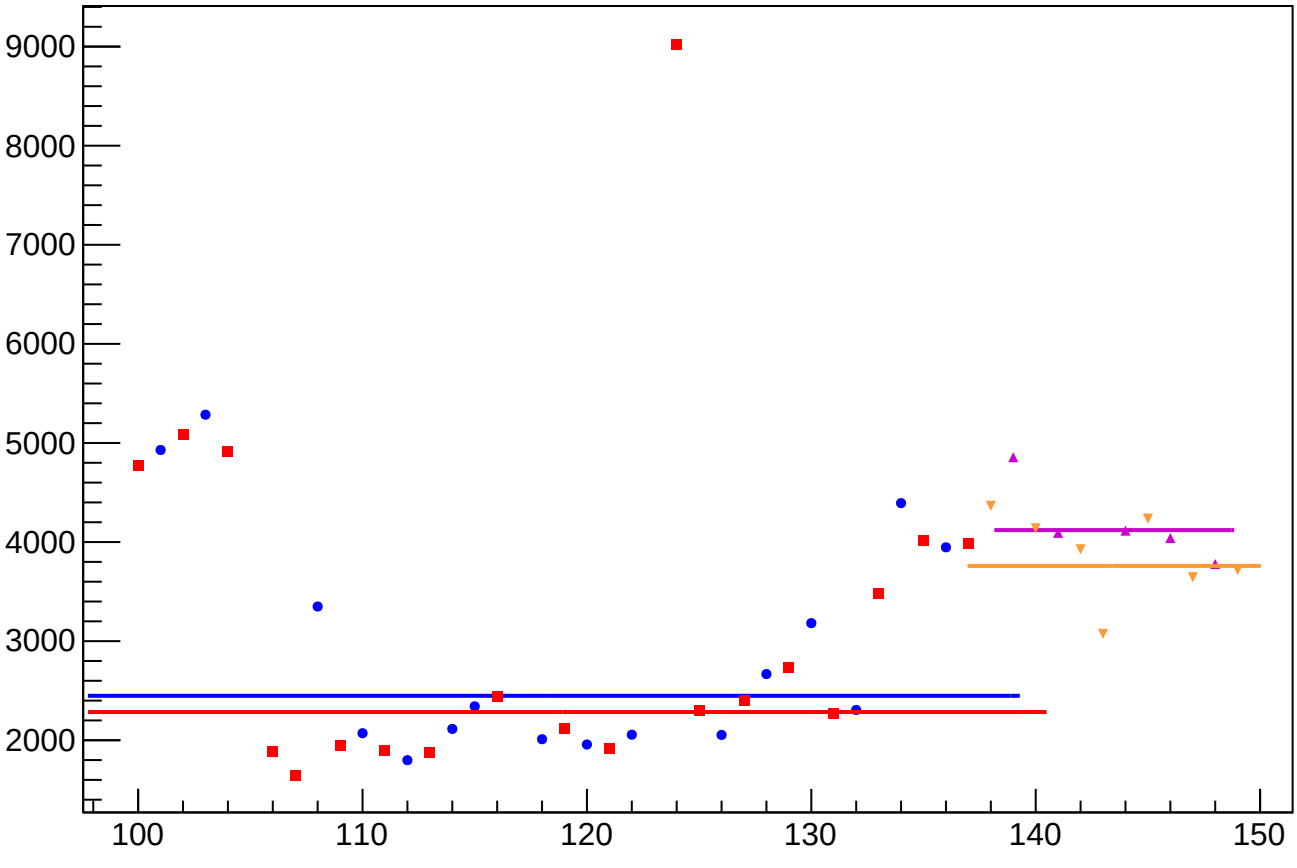
Left: -1931.160+/-1264.473 χ^2/NDF: 9.1/11

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 2.427+/-867.476 χ^2/NDF:16.8/20

Out: -952.198+/-778.291 χ^2/NDF:27.6/25

All: -526.466+/-579.308 χ^2/NDF: 45.1/46



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3759.195+/-1.161 χ^2/NDF:148680.2/6

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4120.884+/-1.402 χ^2/NDF:53146.4/4

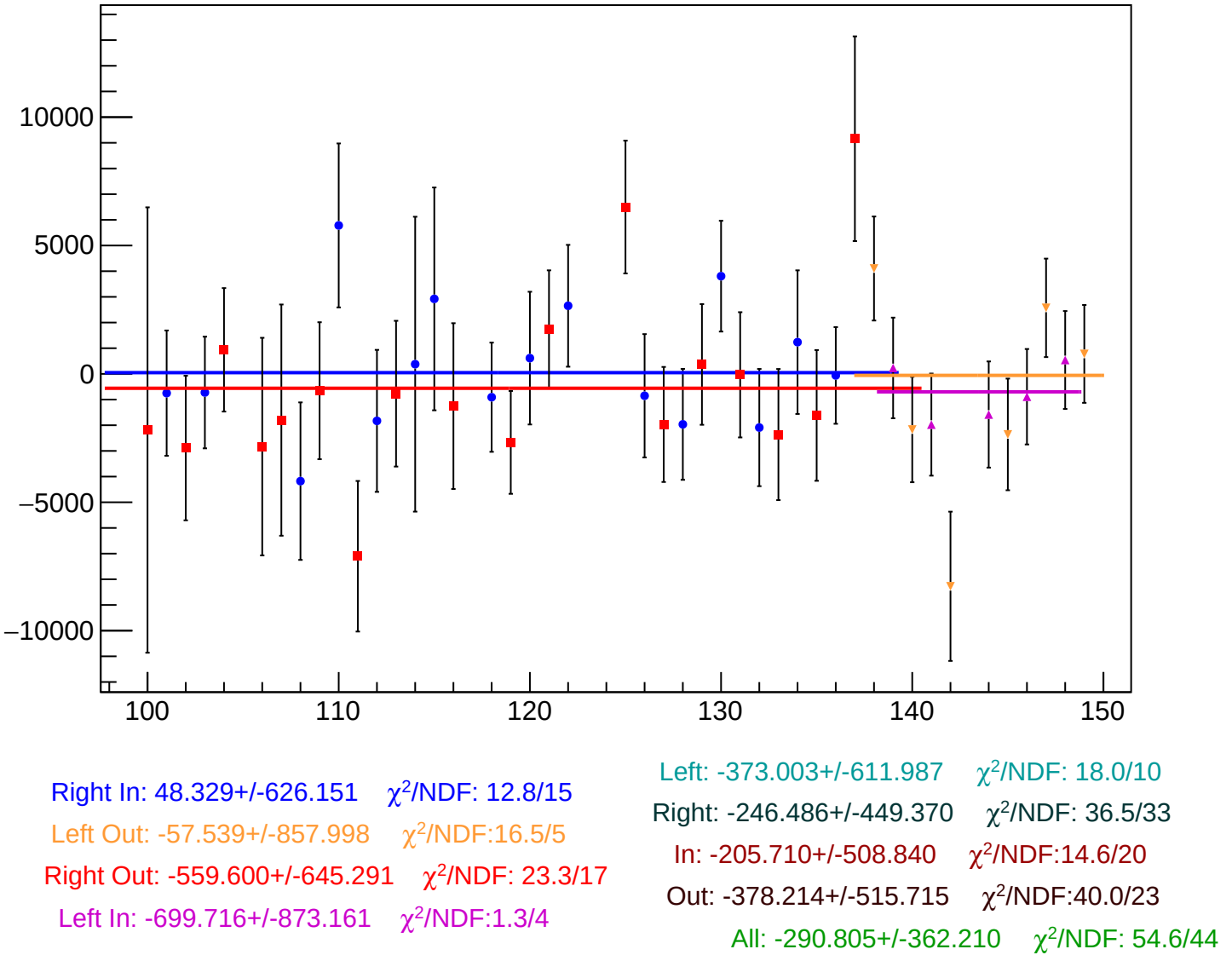
Left: 3906.260+/-0.894 χ^2/NDF: 241308.5/11

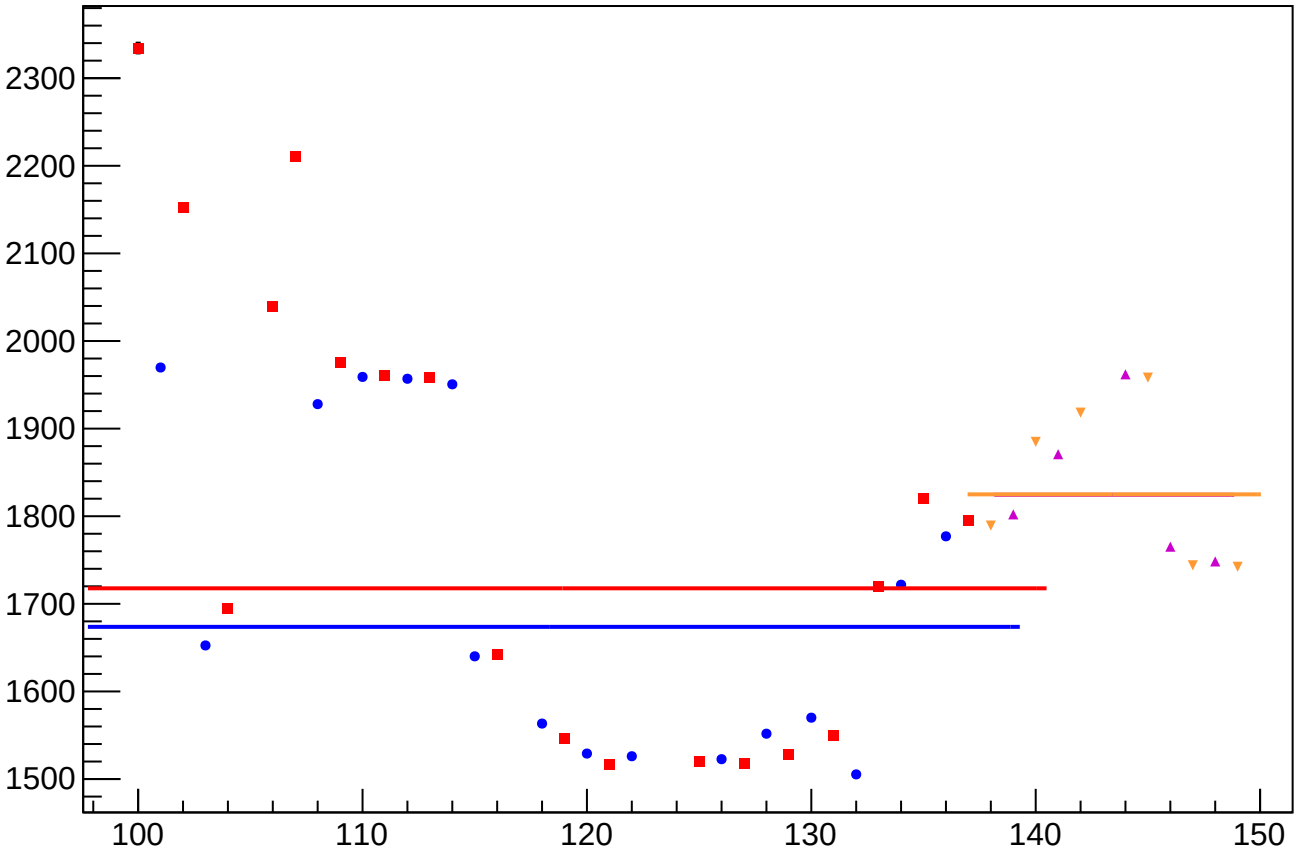
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2768.619+/-0.613 χ^2/NDF:2720884.9/20

Out: 2616.467+/-0.550 χ^2/NDF:2947849.1/25

All: 2684.322+/-0.410 χ^2/NDF: 5702822.5/46


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: -57.539+/-857.998 χ²/NDF:16.5/5
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -699.716+/-873.161 χ²/NDF:1.3/4
Left: -373.003+/-611.987 χ²/NDF: 18.0/10
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -205.710+/-508.840 χ²/NDF:14.6/20
Out: -378.214+/-515.715 χ²/NDF:40.0/23
All: -290.805+/-362.210 χ²/NDF: 54.6/44



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1824.956+/-0.607 χ^2/NDF:19225.6/5

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1824.467+/-0.617 χ^2/NDF:15406.7/4

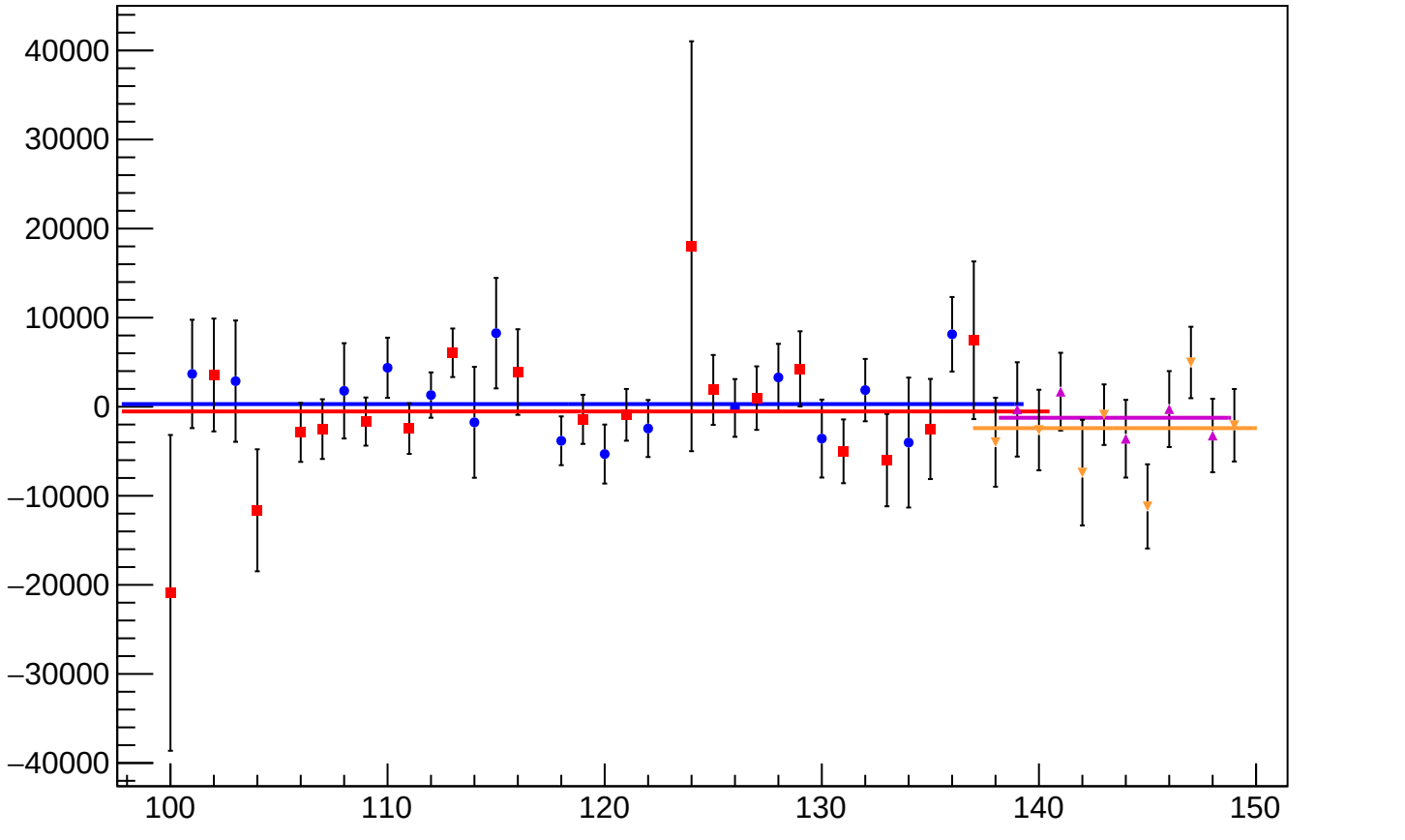
Left: 1824.716+/-0.433 χ^2/NDF: 34632.6/10

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1724.920+/-0.360 χ^2/NDF:195643.5/20

Out: 1756.343+/-0.364 χ^2/NDF:266857.5/23

All: 1740.444+/-0.256 χ^2/NDF: 466269.2/44



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -2404.574+/-1641.488 χ^2/NDF:7.9/6

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1240.262+/-1983.006 χ^2/NDF:1.1/4

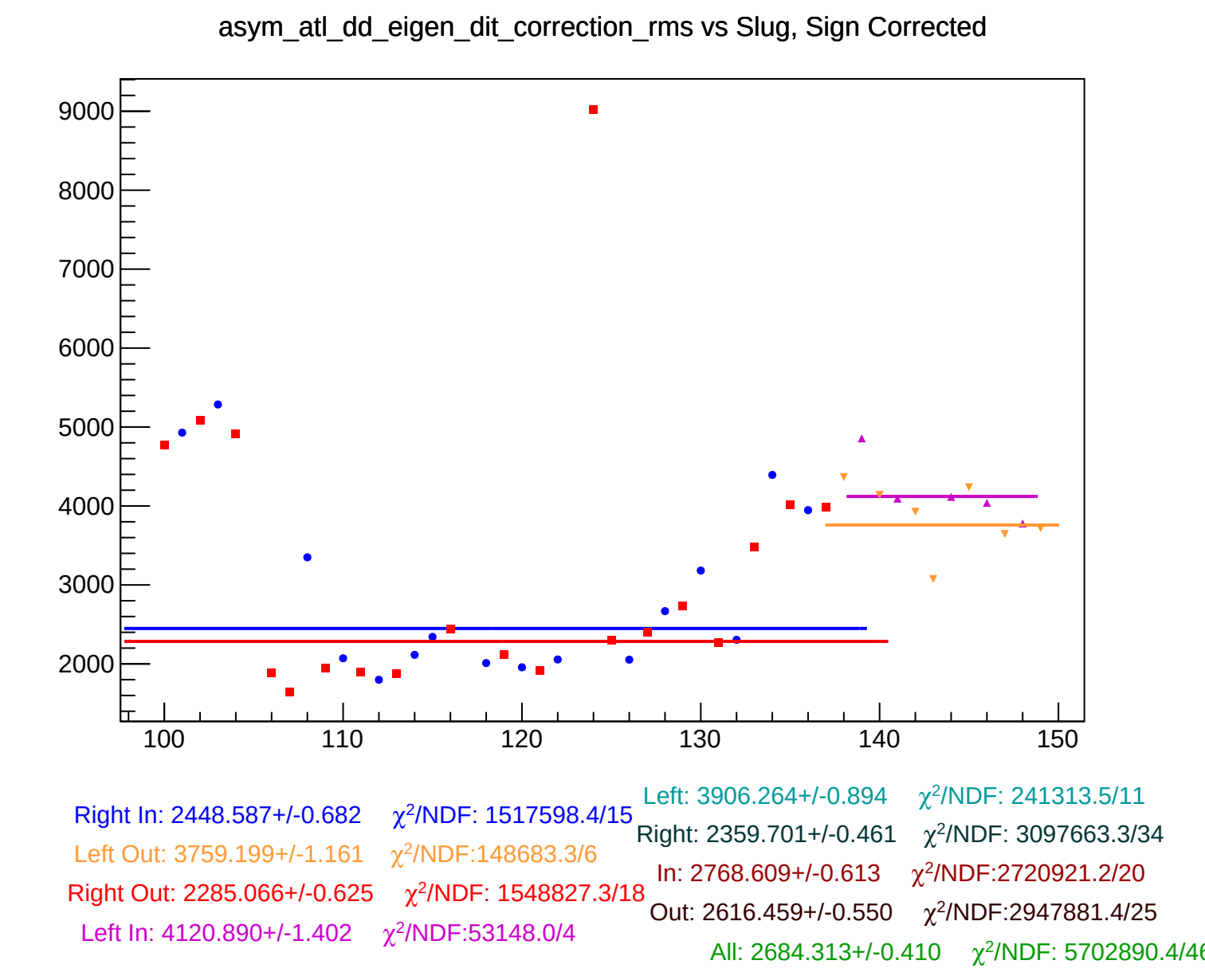
Left: -1931.160+/-1264.474 χ^2/NDF: 9.1/11

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

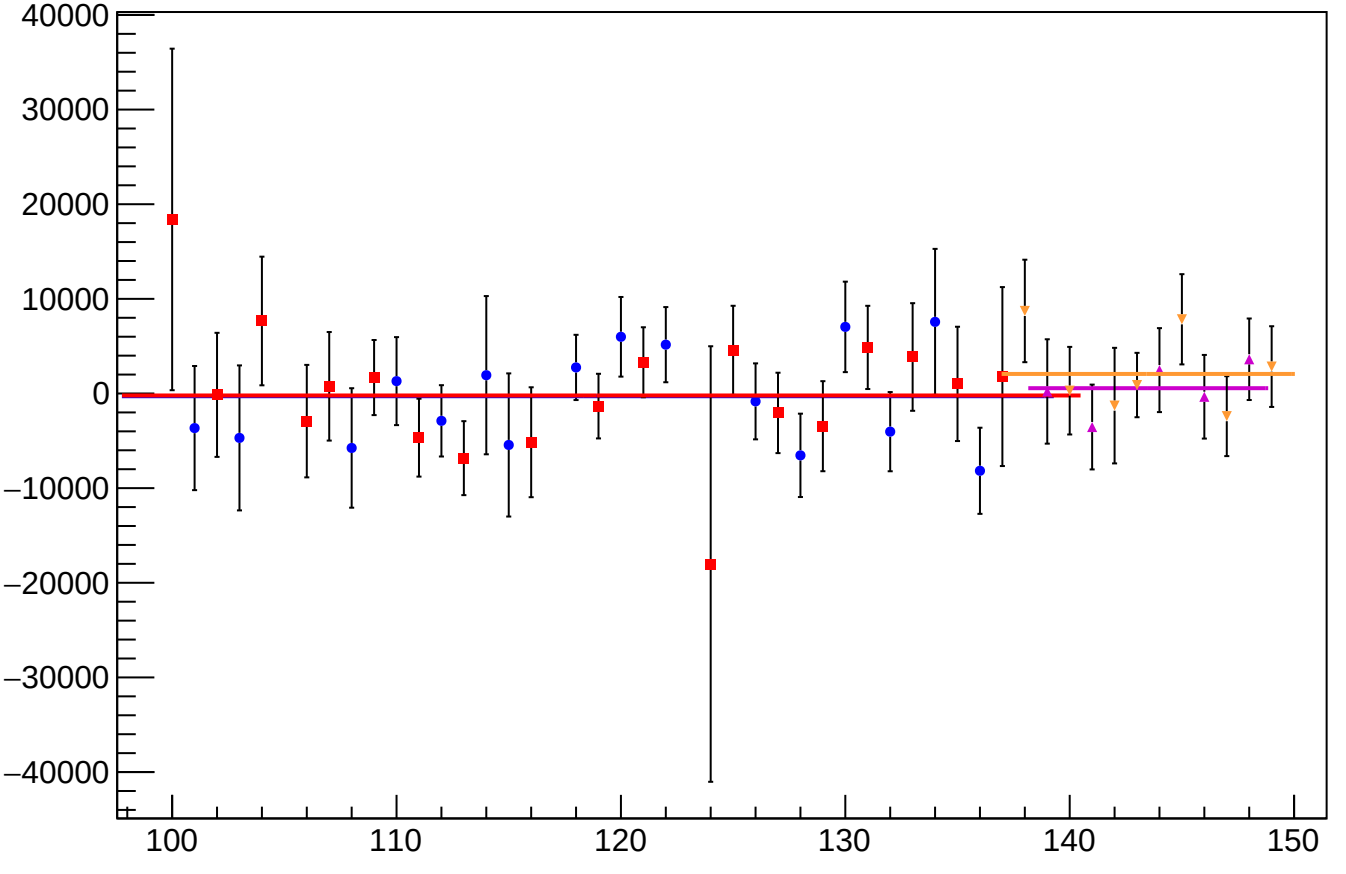
In: 2.425+/-867.474 χ^2/NDF:16.8/20

Out: -952.196+/-778.289 χ^2/NDF:27.6/25

All: -526.466+/-579.306 χ^2/NDF: 45.1/46


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2448.587+/-0.682 χ²/NDF: 1517598.4/15
Left Out: 3759.199+/-1.161 χ²/NDF:148683.3/6
Right Out: 2285.066+/-0.625 χ²/NDF: 1548827.3/18
Left In: 4120.890+/-1.402 χ²/NDF:53148.0/4
Left: 3906.264+/-0.894 χ²/NDF: 241313.5/11
Right: 2359.701+/-0.461 χ²/NDF: 3097663.3/34
In: 2768.609+/-0.613 χ²/NDF:2720921.2/20
Out: 2616.459+/-0.550 χ²/NDF:2947881.4/25
All: 2684.313+/-0.410 χ²/NDF: 5702890.4/46

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 2066.270+/-1692.281 χ^2/NDF:4.7/6

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 560.482+/-2047.146 χ^2/NDF:1.6/4

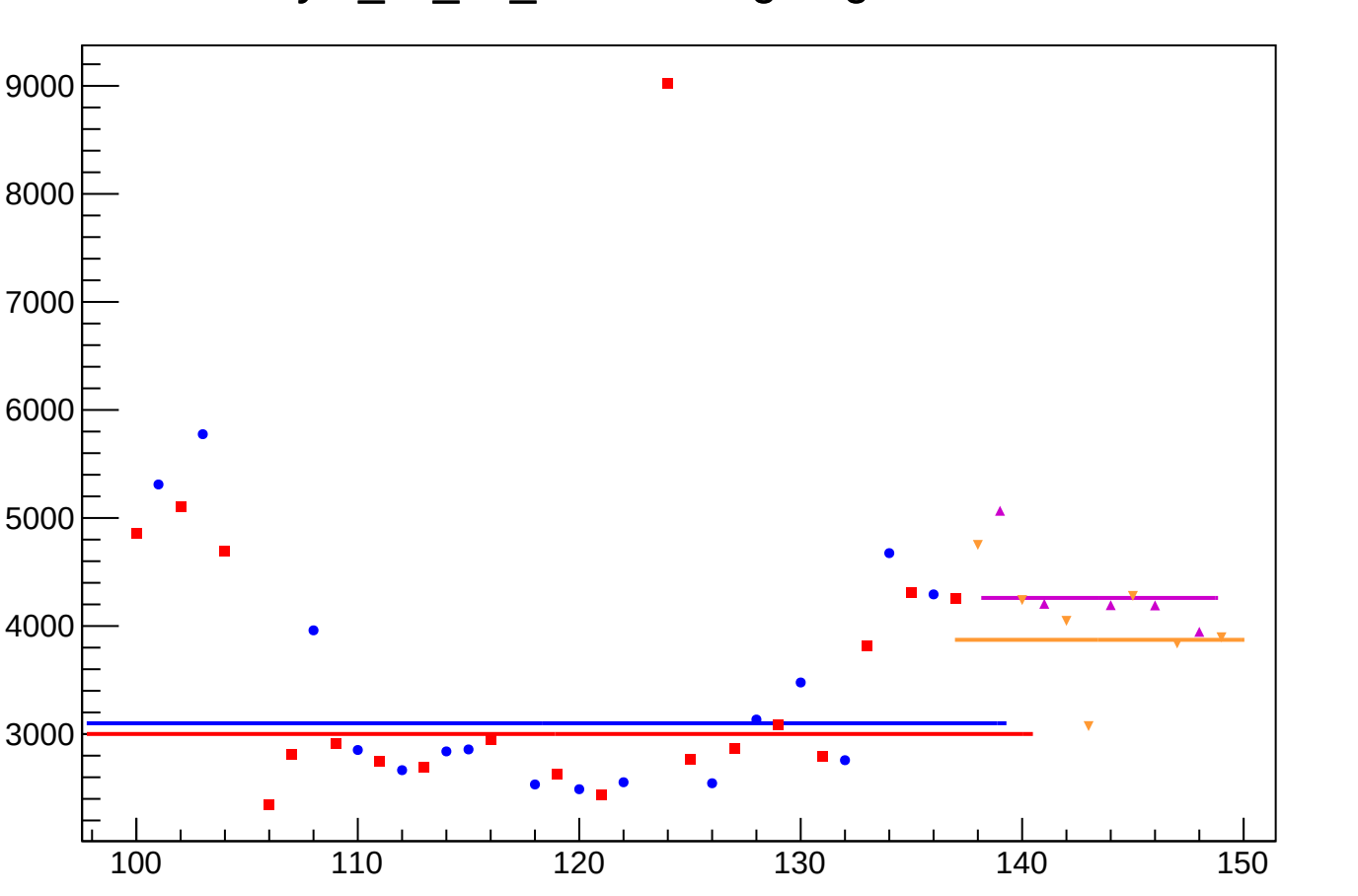
Left: 1454.997+/-1304.321 χ^2/NDF: 6.6/11

Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -71.189+/-1033.539 χ^2/NDF:18.3/20

Out: 512.657+/-953.276 χ^2/NDF:18.8/25

All: 244.282+/-700.727 χ^2/NDF: 37.2/46



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3872.223+/-1.197 χ^2/NDF:191964.0/6

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4260.038+/-1.448 χ^2/NDF:54647.6/4

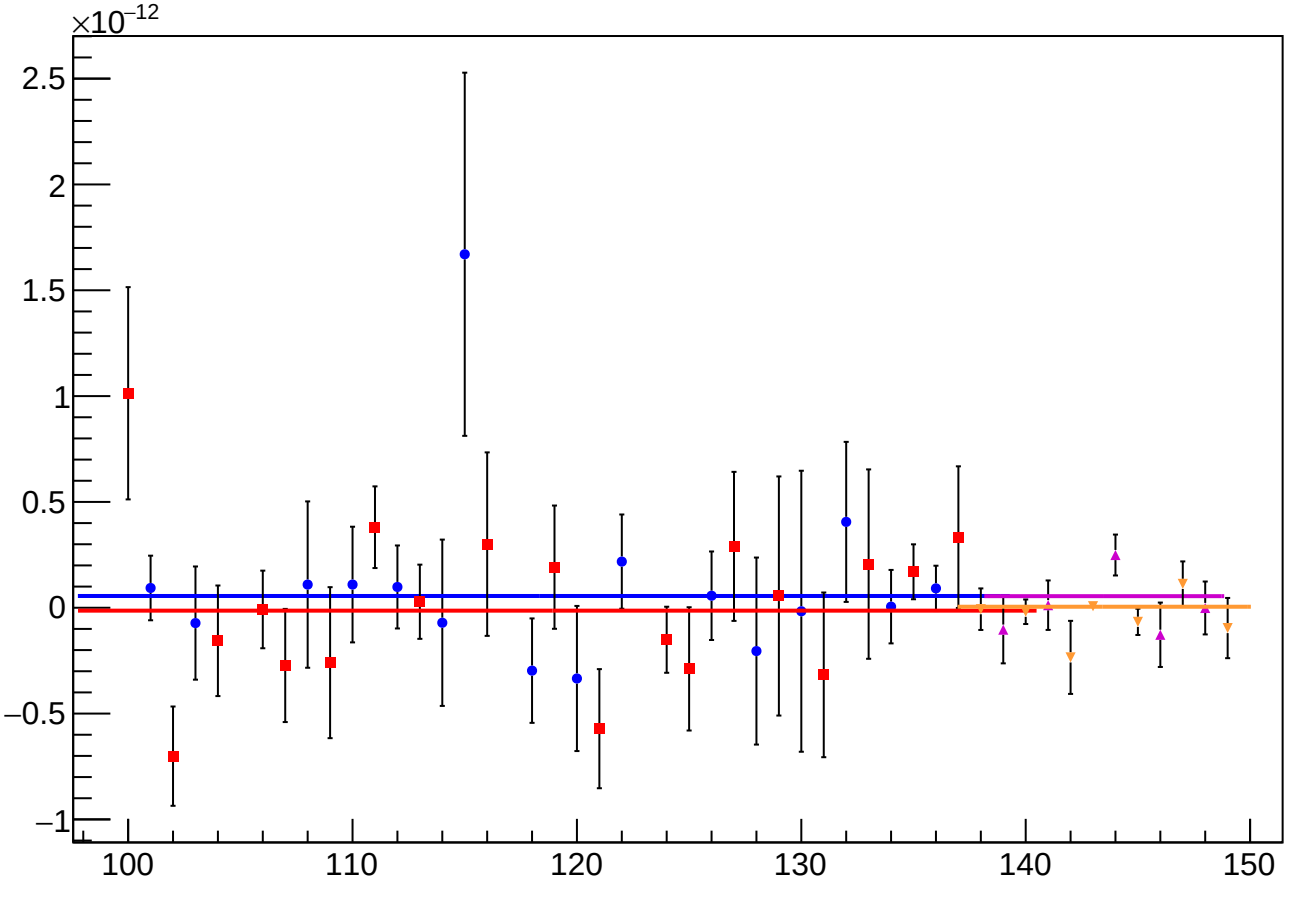
Left: 4029.656+/-0.922 χ^2/NDF: 289250.3/11

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3395.784+/-0.731 χ^2/NDF:1496721.9/20

Out: 3272.177+/-0.668 χ^2/NDF:1363759.9/25

All: 3328.423+/-0.493 χ^2/NDF: 2876071.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/4

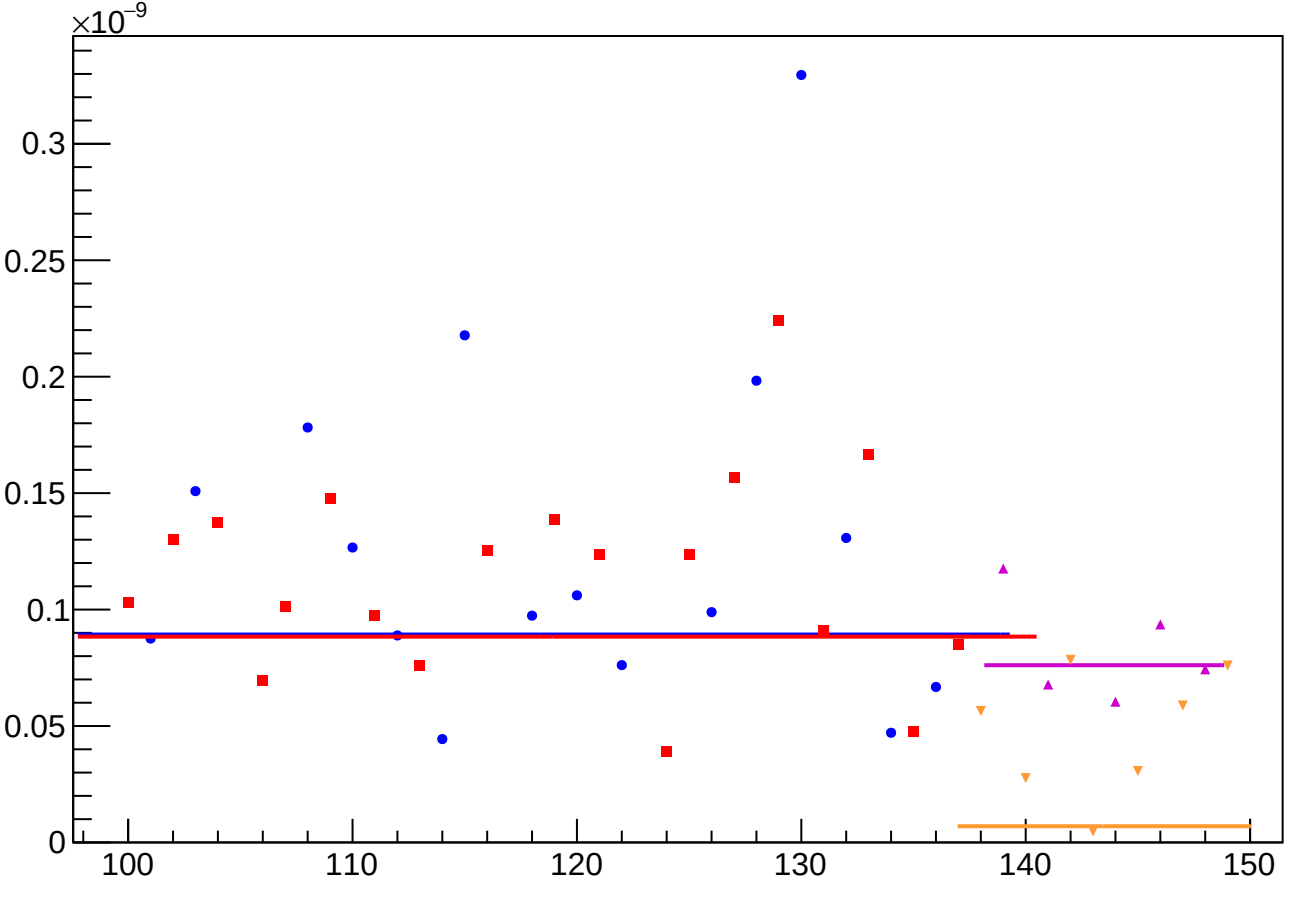
Left: 0.000+/-0.000 χ^2/NDF: 12.6/11

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:35.2/25

All: 0.000+/-0.000 χ^2/NDF: 52.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2467262.2/6

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: 5743766.3/11

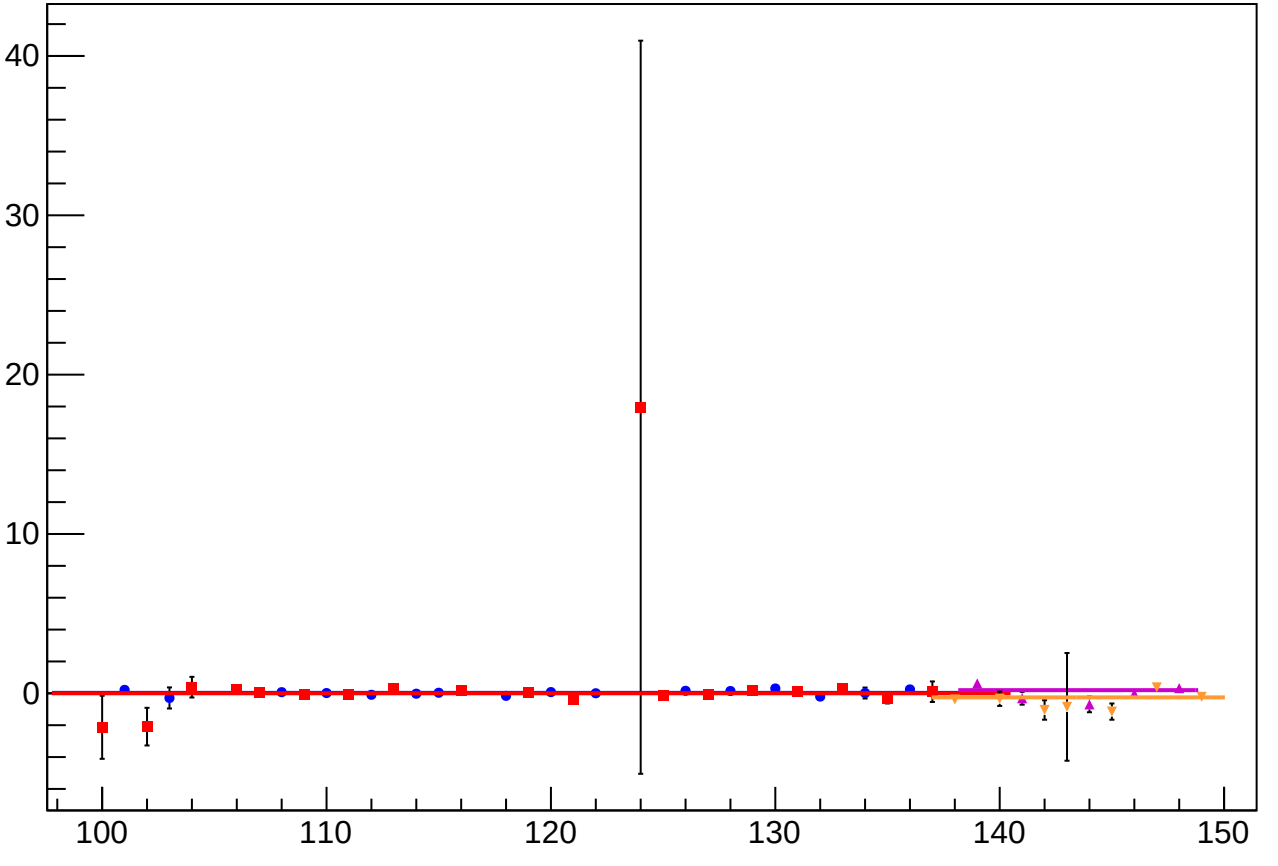
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1230305.9/20

Out: 0.000+/-0.000 χ^2/NDF:7642596.2/25

All: 0.000+/-0.000 χ^2/NDF: 15511752.8/46

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.255+/-0.148 χ^2/NDF:9.6/6

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.199+/-0.142 χ^2/NDF:8.9/4

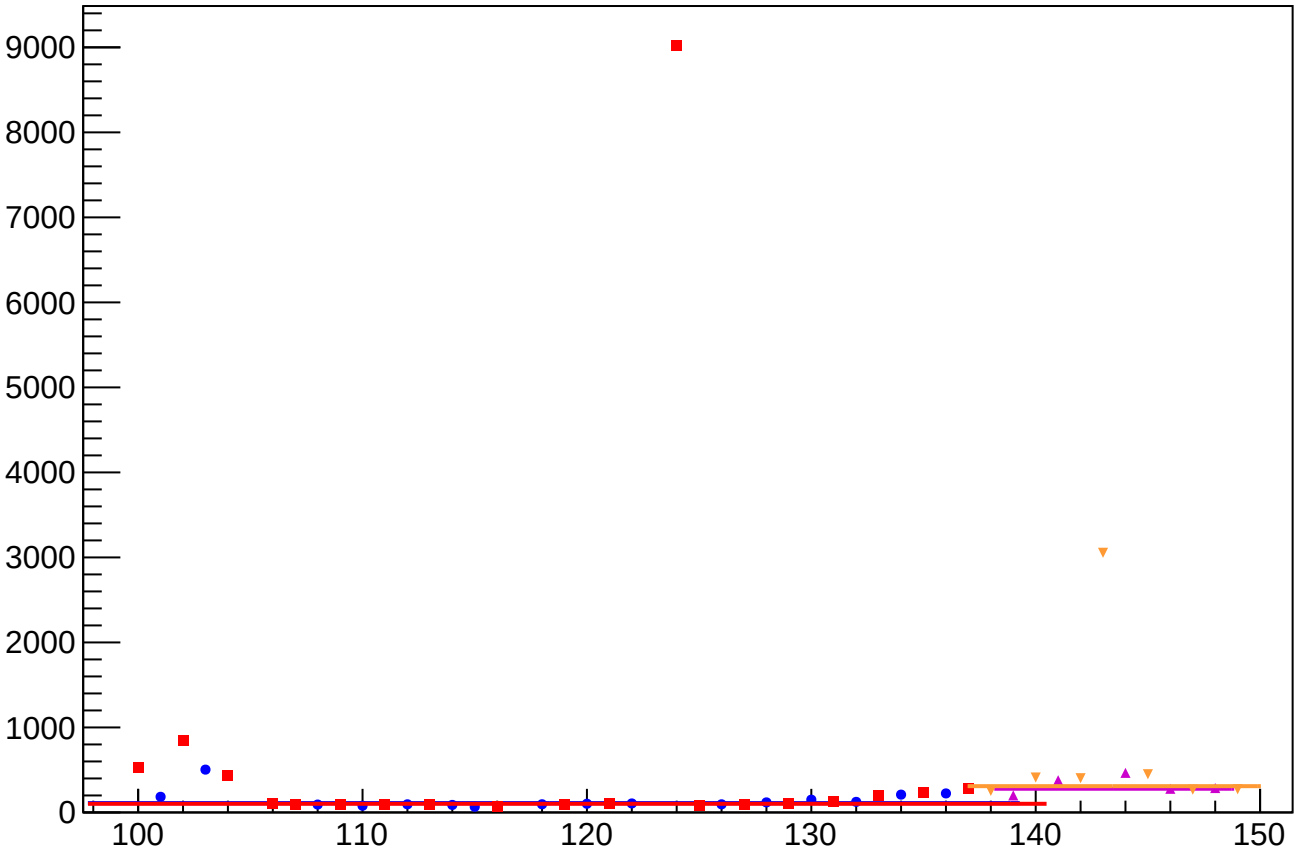
Left: -0.018+/-0.102 χ^2/NDF: 23.3/11

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.017+/-0.042 χ^2/NDF:34.7/25

All: 0.012+/-0.030 χ^2/NDF: 54.8/46



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 309.302+/-0.105 χ^2/NDF:1759125.0/6

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: 293.479+/-0.072 χ^2/NDF: 2443959.4/11

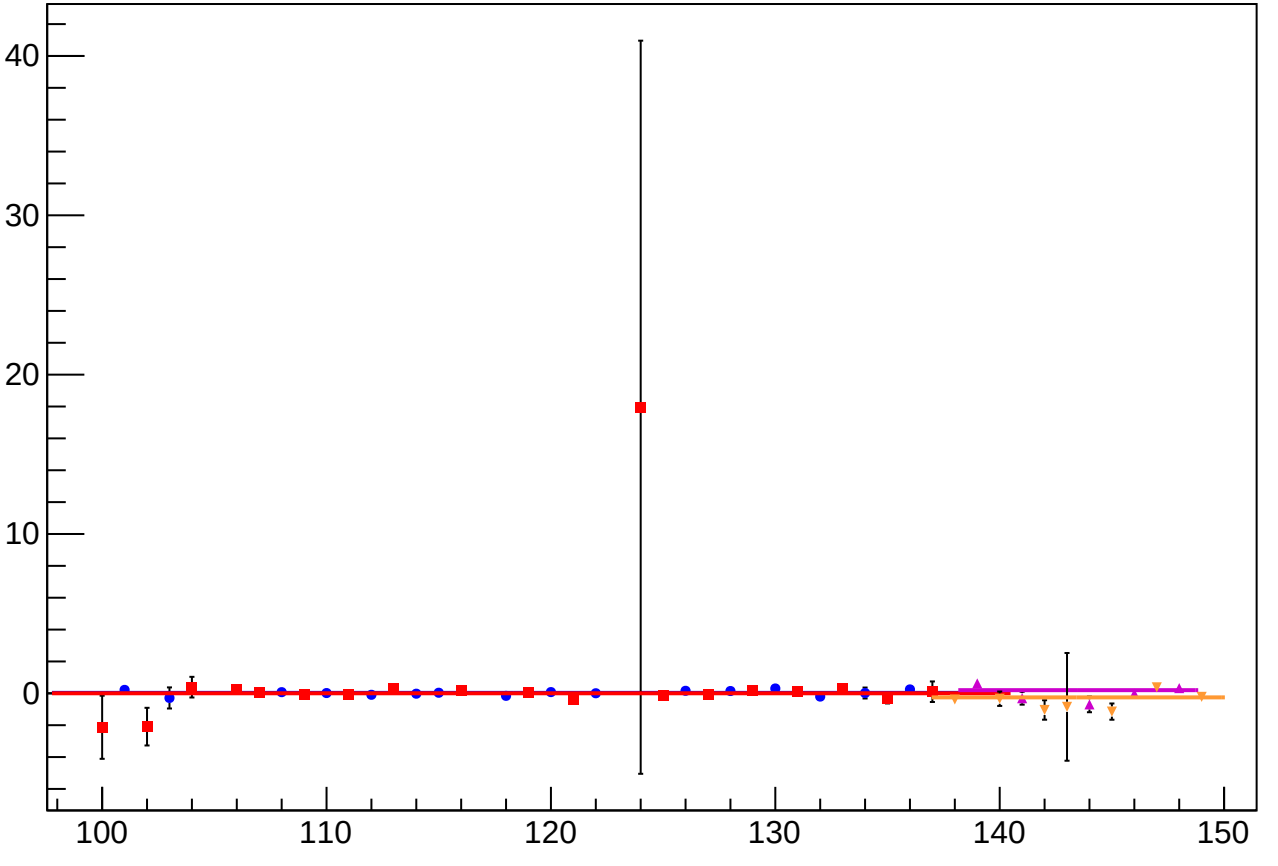
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 125.692+/-0.031 χ^2/NDF:5157806.3/20

Out: 118.298+/-0.029 χ^2/NDF:7976298.6/25

All: 121.862+/-0.021 χ^2/NDF: 13164538.5/46

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.255+/-0.148 χ^2/NDF:9.6/6

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: -0.018+/-0.102 χ^2/NDF: 23.3/11

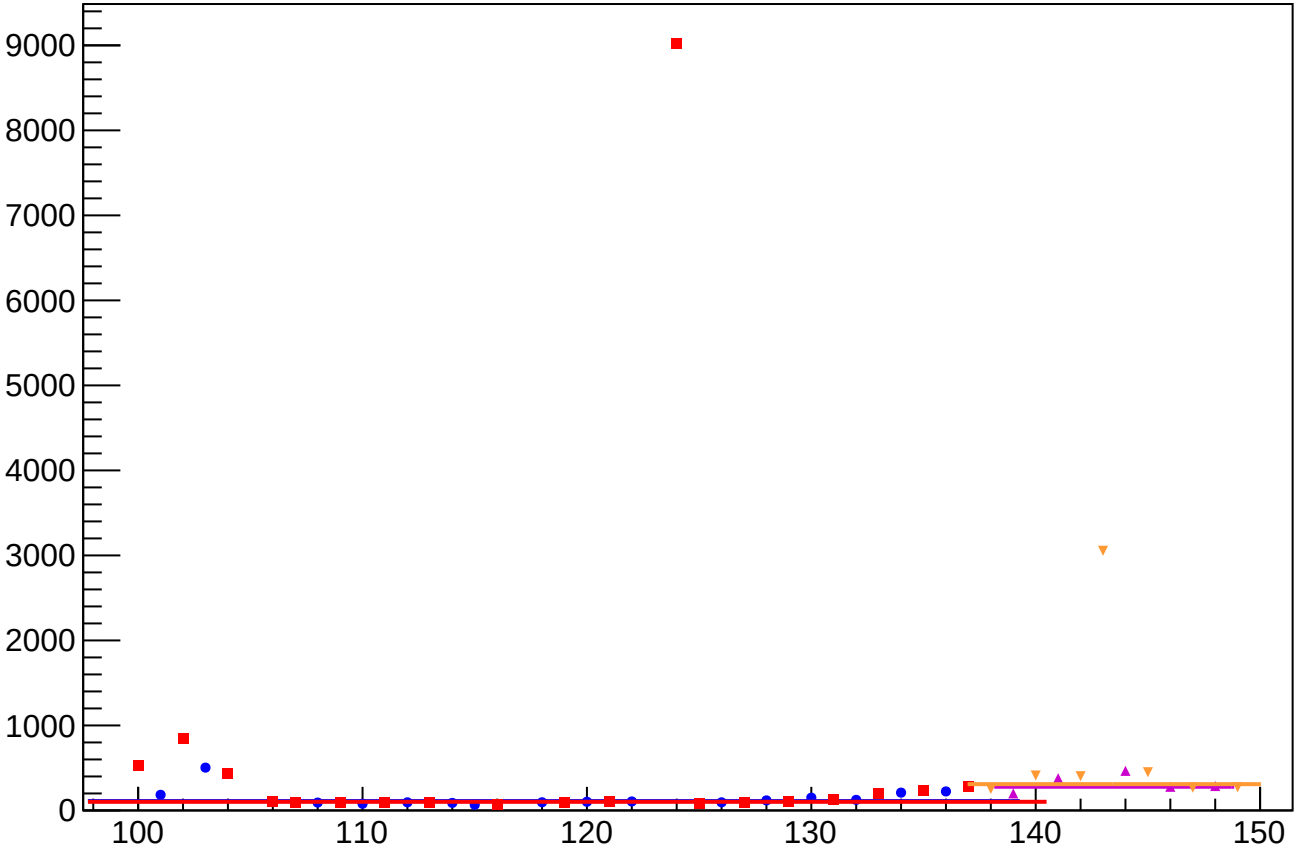
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.017+/-0.042 χ^2/NDF:34.7/25

All: 0.012+/-0.030 χ^2/NDF: 54.8/46

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: 309.302+/-0.105 χ^2/NDF:1759125.0/6

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.973+/-0.100 χ^2/NDF:640903.5/4

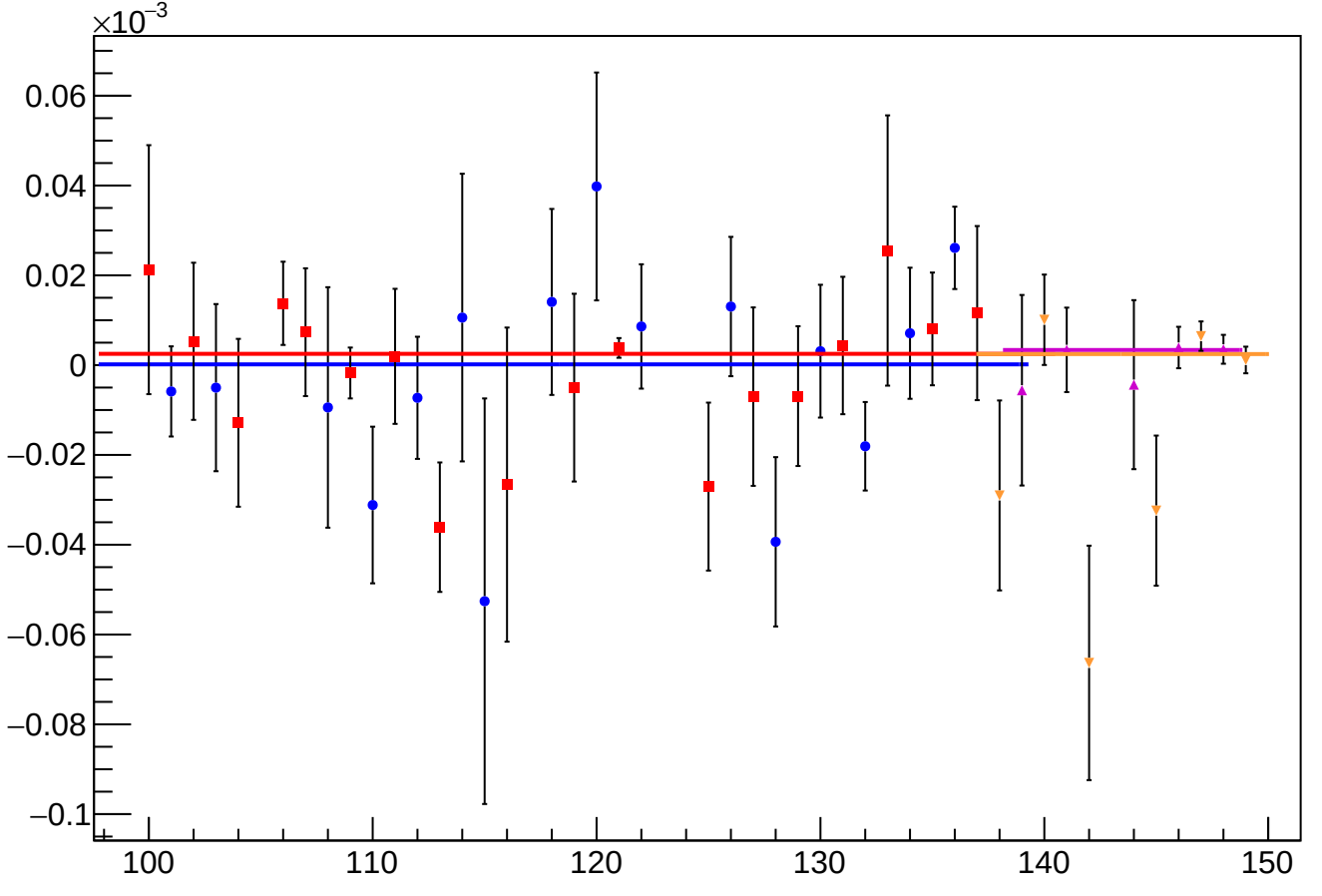
Left: 293.479+/-0.072 χ^2/NDF: 2443959.4/11

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 125.692+/-0.031 χ^2/NDF:5157806.3/20

Out: 118.298+/-0.029 χ^2/NDF:7976298.6/25

All: 121.862+/-0.021 χ^2/NDF: 13164538.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/4

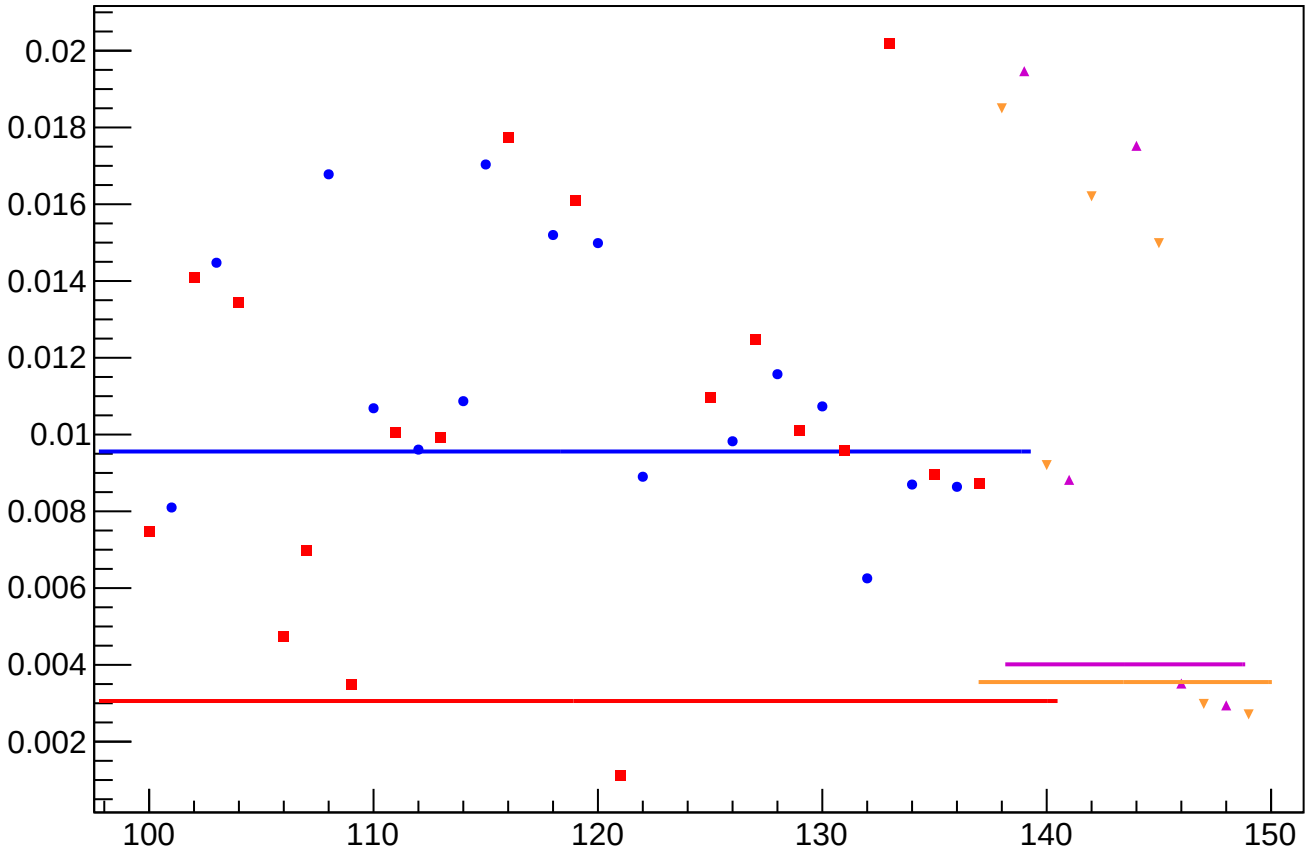
Left: 0.000+/-0.000 χ^2/NDF: 16.2/10

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:31.5/23

All: 0.000+/-0.000 χ^2/NDF: 58.0/44



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:3257231.3/5

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: 6154960.5/10

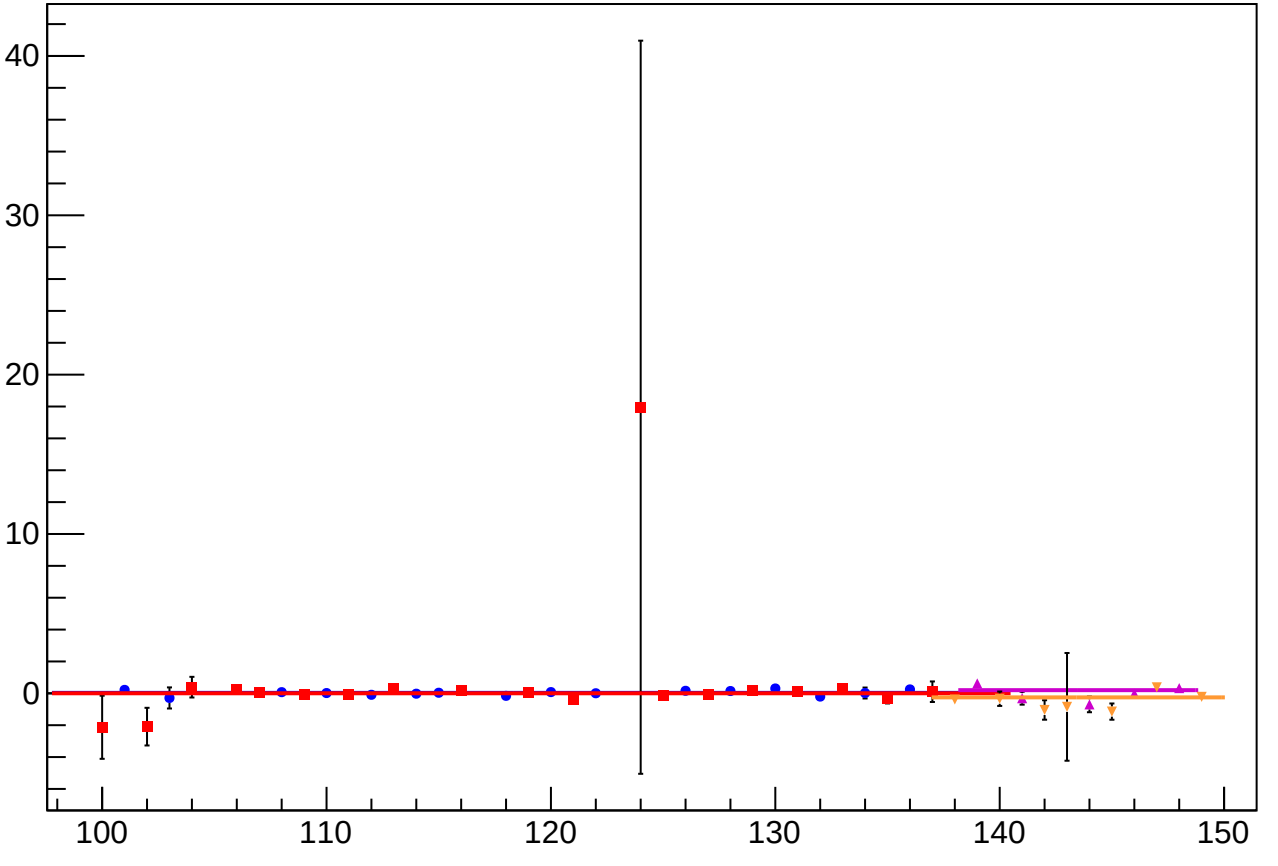
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.006+/-0.000 χ^2/NDF:6833595.2/20

Out: 0.003+/-0.000 χ^2/NDF:11442039.8/23

All: 0.004+/-0.000 χ^2/NDF: 20223669.5/44

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: -0.255+/-0.148 χ^2/NDF:9.6/6

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: -0.018+/-0.102 χ^2/NDF: 23.3/11

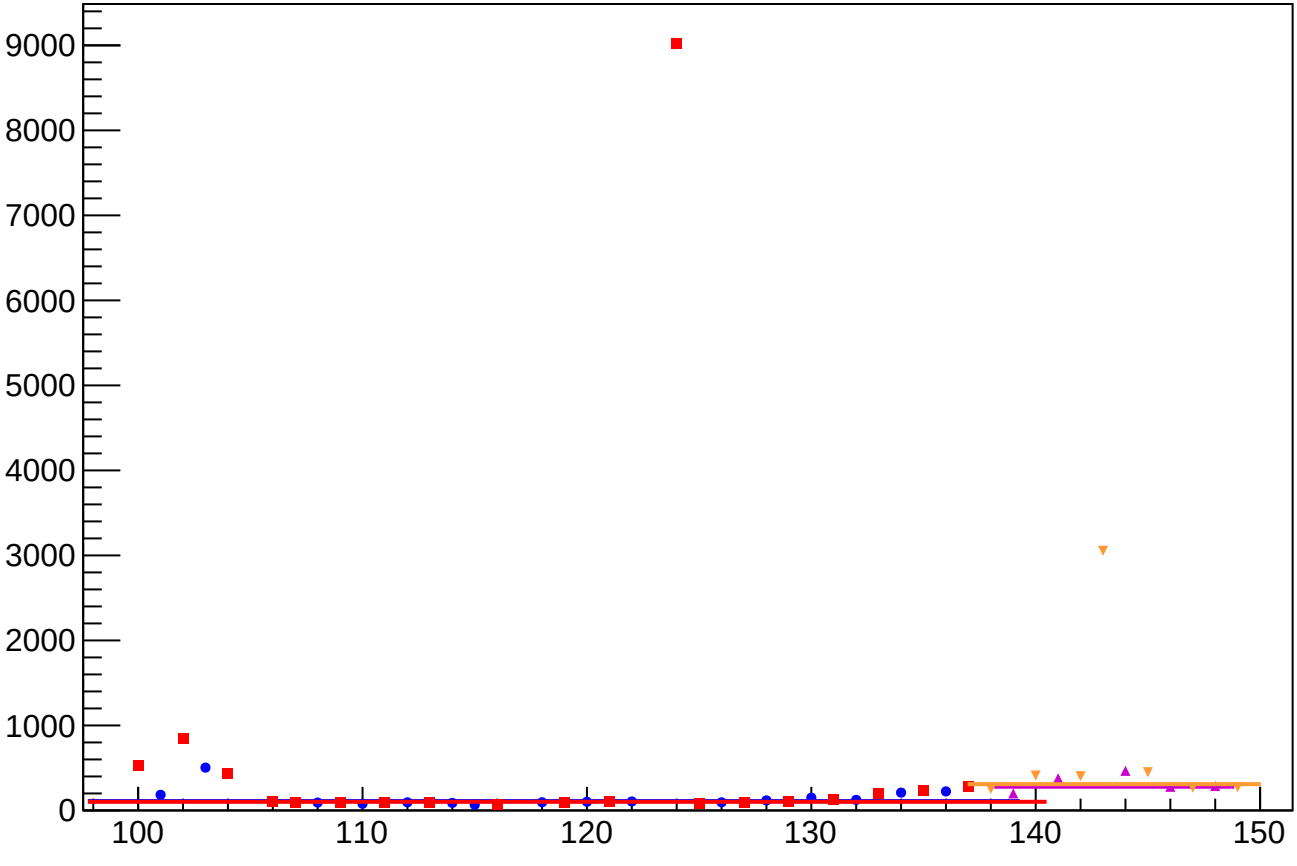
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.017+/-0.042 χ^2/NDF:34.7/25

All: 0.012+/-0.030 χ^2/NDF: 54.8/46

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 309.303+/-0.105 χ^2/NDF:1759151.1/6

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: 293.483+/-0.072 χ^2/NDF: 2443948.8/11

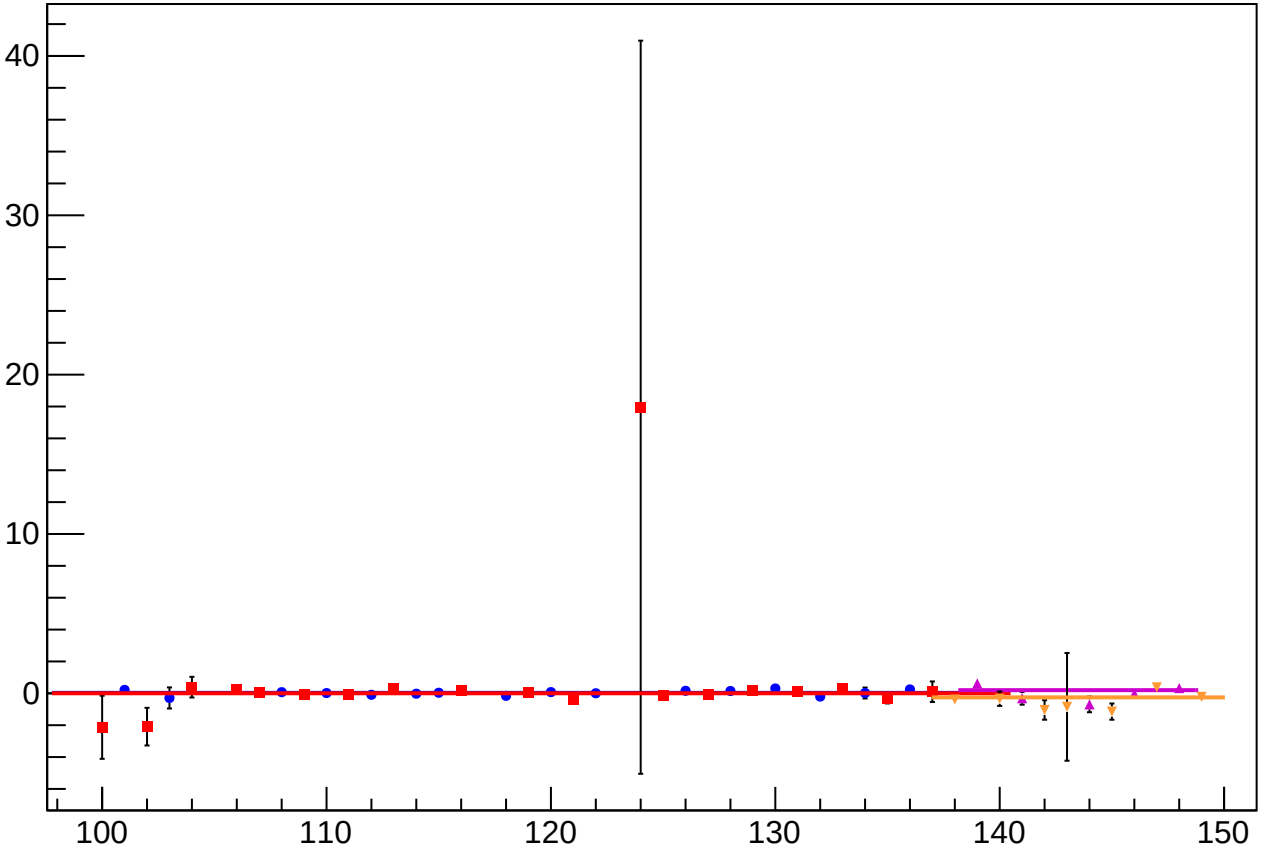
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 125.693+/-0.031 χ^2/NDF:5157752.3/20

Out: 118.299+/-0.029 χ^2/NDF:7976210.3/25

All: 121.863+/-0.021 χ^2/NDF: 13164392.6/46

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.255+/-0.148 χ^2/NDF:9.6/6

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: -0.018+/-0.102 χ^2/NDF: 23.3/11

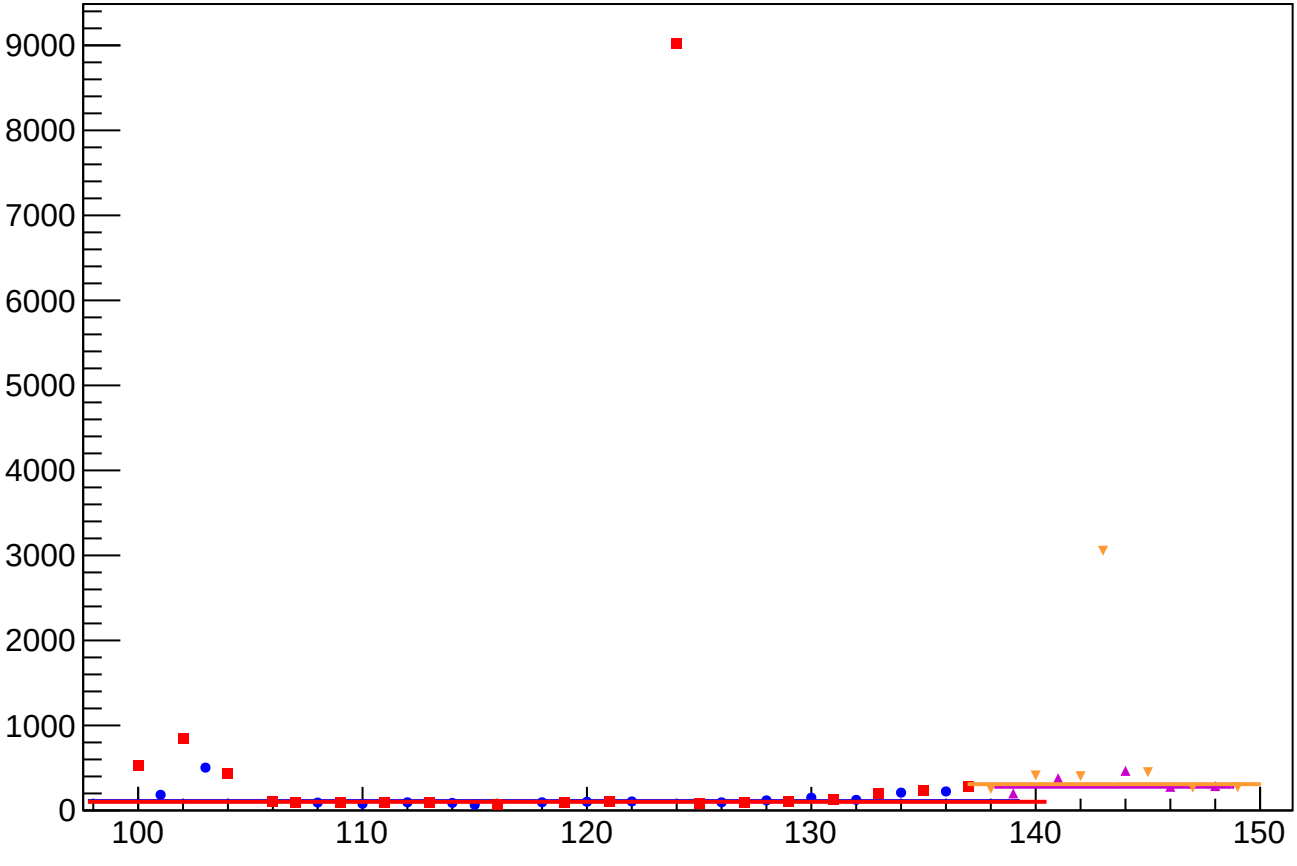
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.044+/-0.043 χ^2/NDF:19.1/20

Out: -0.017+/-0.042 χ^2/NDF:34.7/25

All: 0.012+/-0.030 χ^2/NDF: 54.8/46

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: 309.303+/-0.105 χ^2/NDF:1759151.1/6

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.977+/-0.100 χ^2/NDF:640876.4/4

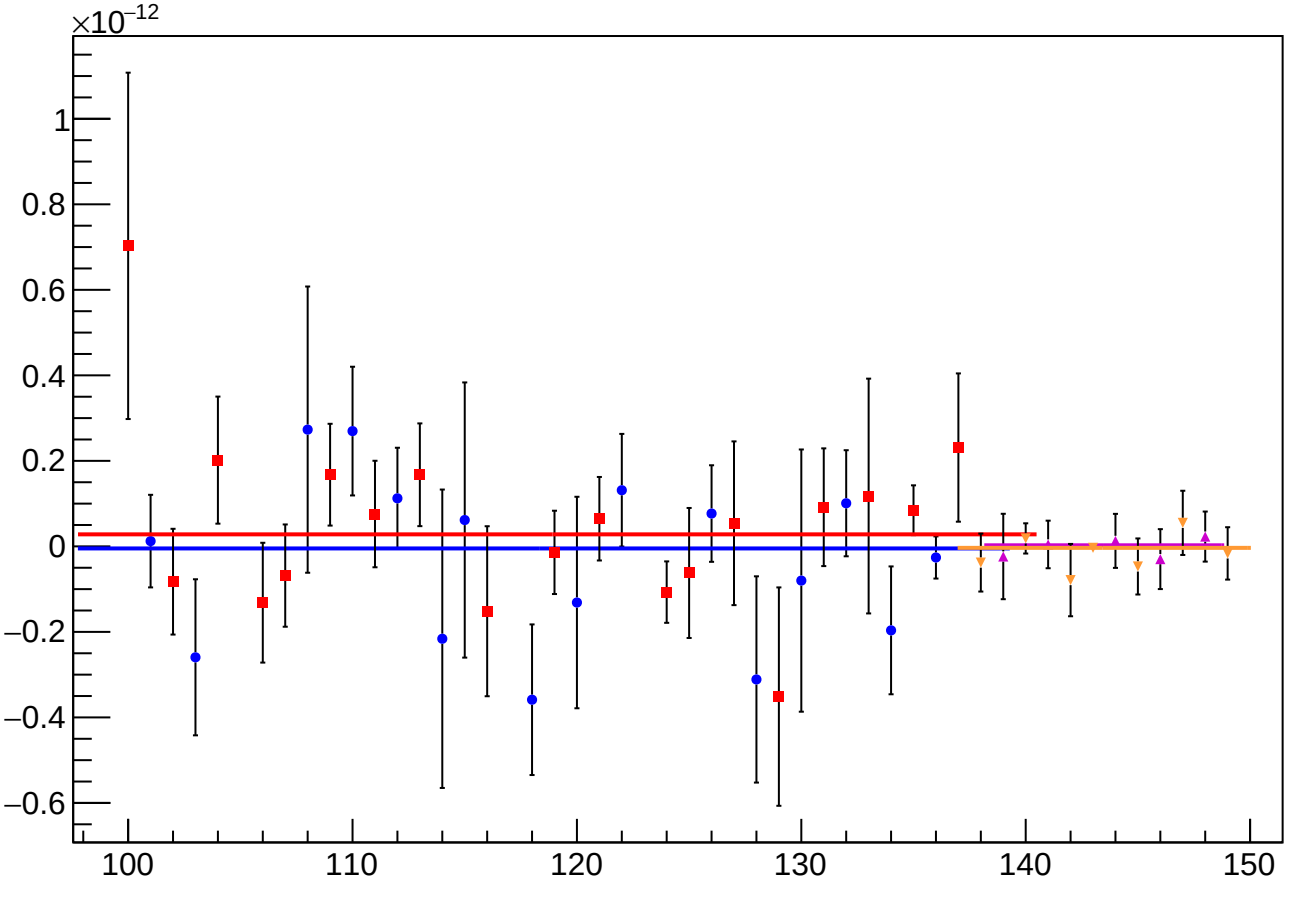
Left: 293.483+/-0.072 χ^2/NDF: 2443948.8/11

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 125.693+/-0.031 χ^2/NDF:5157752.3/20

Out: 118.299+/-0.029 χ^2/NDF:7976210.3/25

All: 121.863+/-0.021 χ^2/NDF: 13164392.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/4

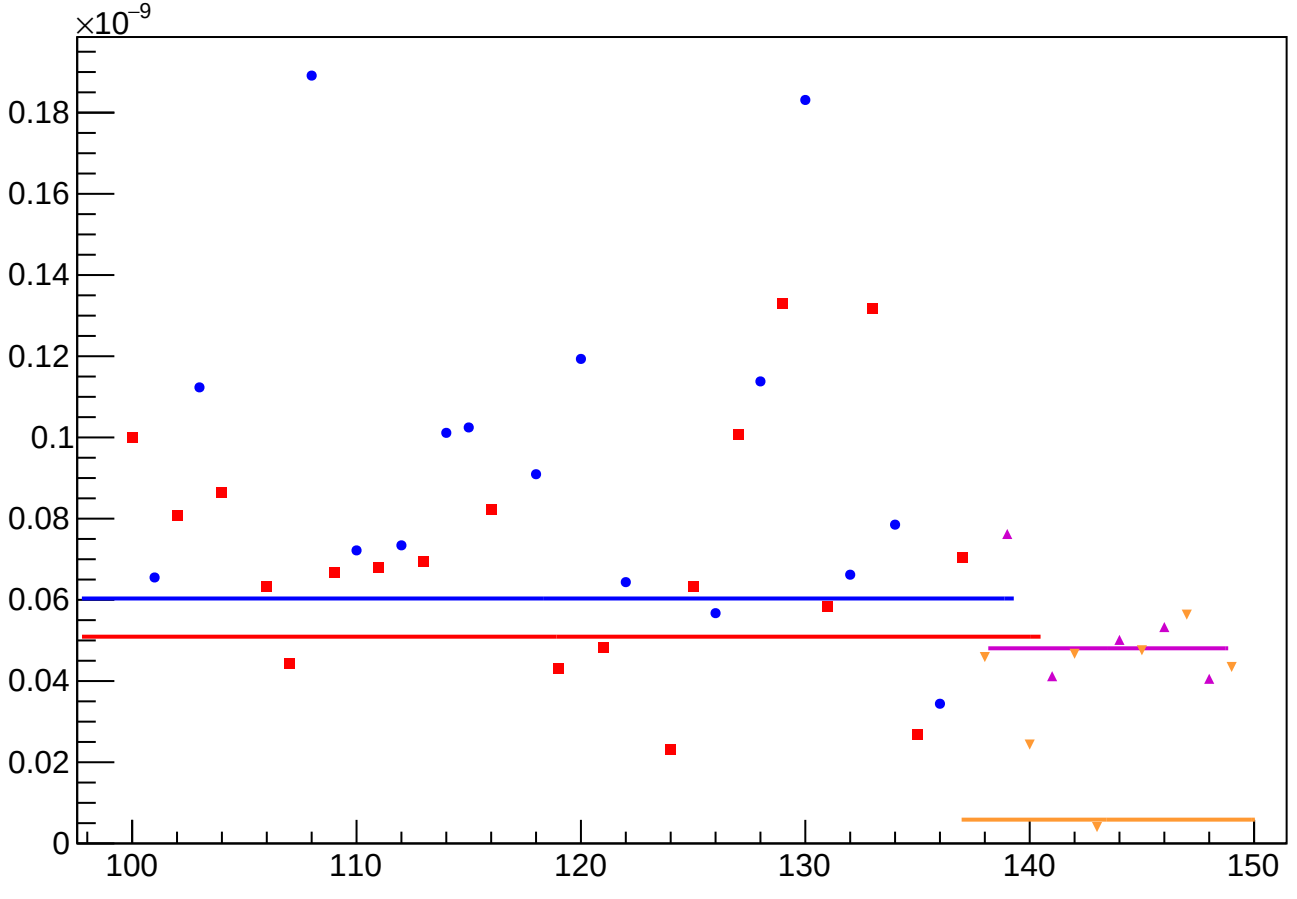
Left: -0.000+/-0.000 χ^2/NDF: 3.0/11

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:23.5/25

All: -0.000+/-0.000 χ^2/NDF: 41.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4391397.7/6

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: 8652244.5/11

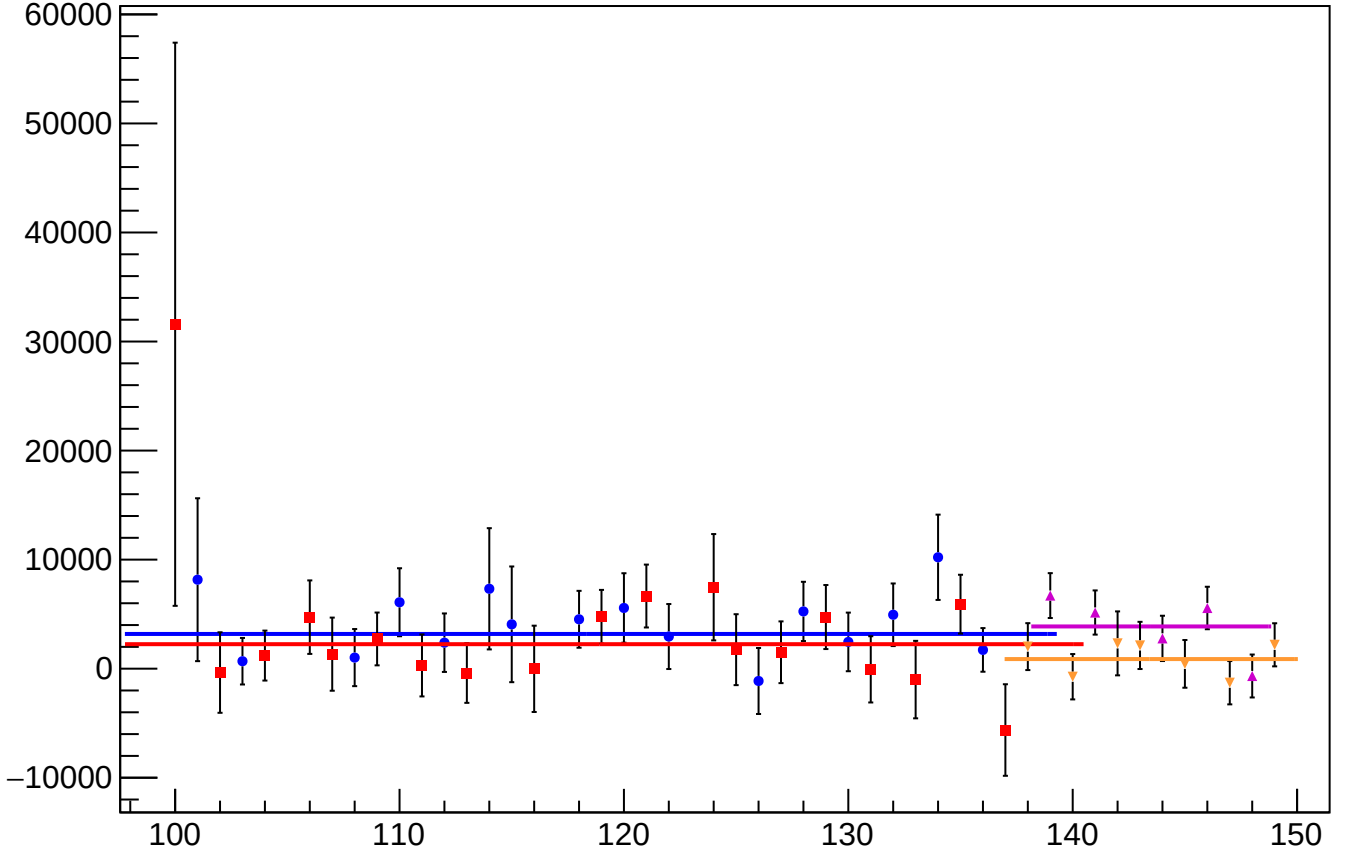
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2143450.1/20

Out: 0.000+/-0.000 χ^2/NDF:11334770.9/25

All: 0.000+/-0.000 χ^2/NDF: 22122750.1/46

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 880.680+/-817.542 χ^2/NDF:3.1/6

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: 2232.472+/-605.277 χ^2/NDF: 17.8/11

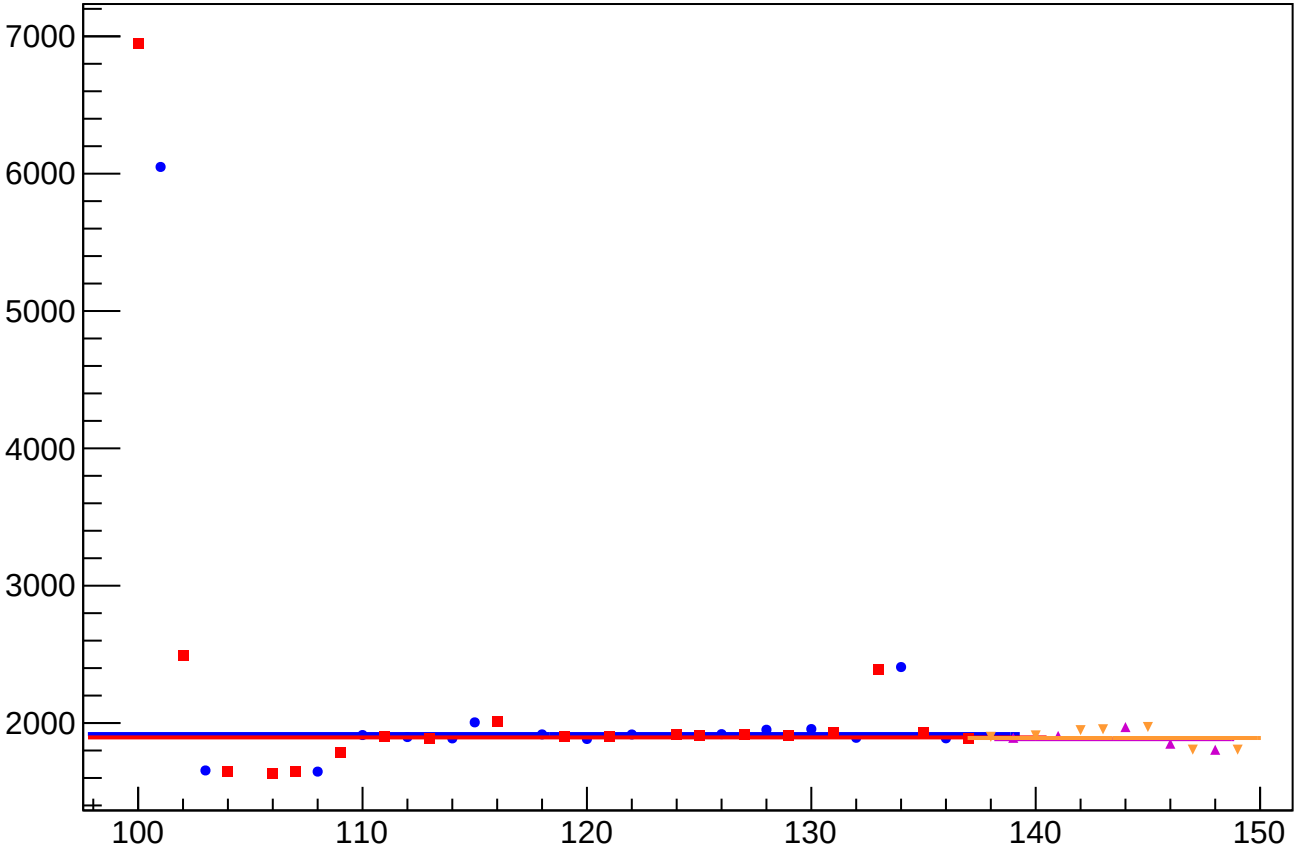
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3457.301+/-567.587 χ^2/NDF:20.7/20

Out: 1658.160+/-536.456 χ^2/NDF:21.2/25

All: 2507.041+/-389.873 χ^2/NDF: 47.2/46

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1890.994+/-0.578 χ^2/NDF:12688.8/6

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

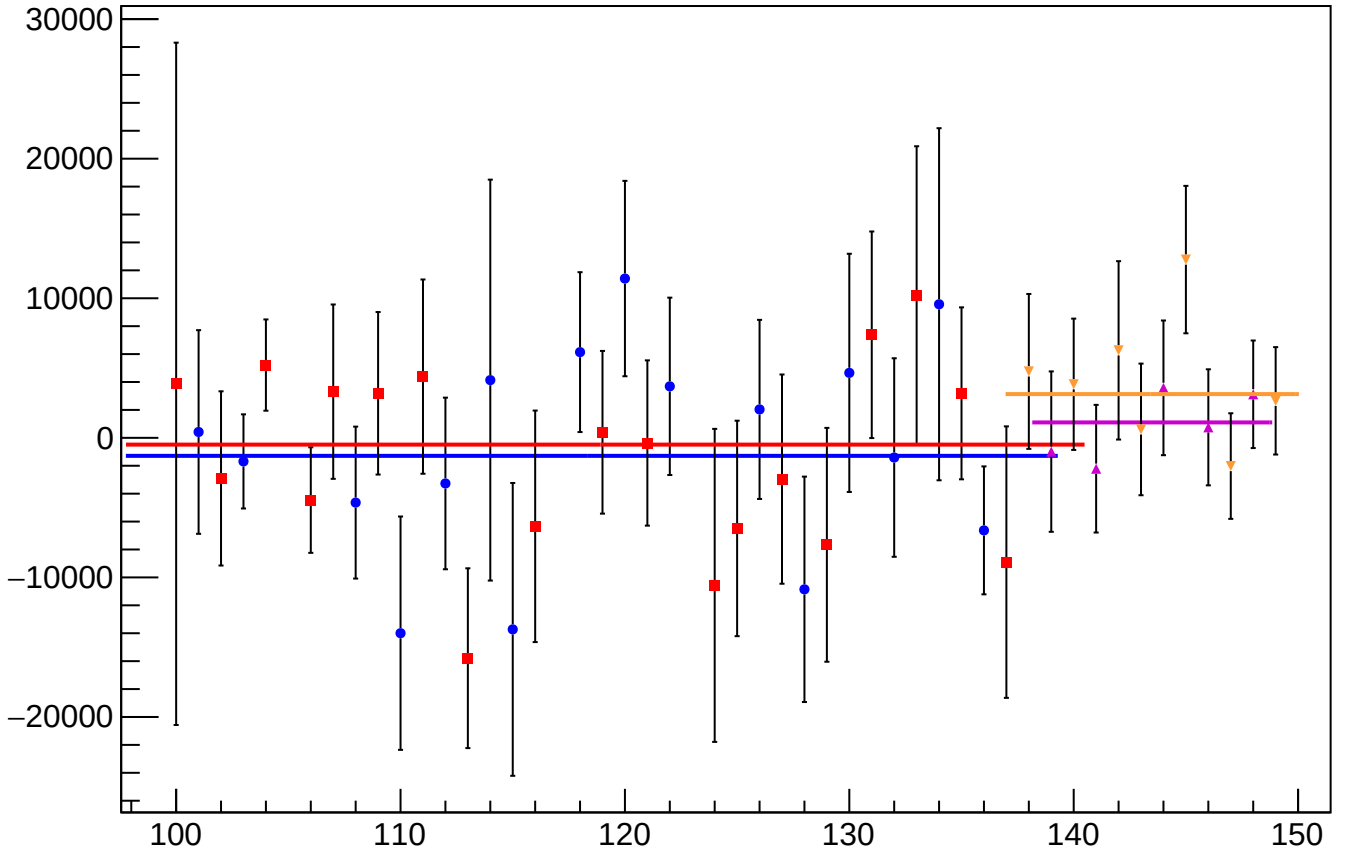
Left: 1887.189+/-0.428 χ^2/NDF: 20342.8/11

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1905.024+/-0.401 χ^2/NDF:706952.8/20

Out: 1893.488+/-0.379 χ^2/NDF:234995.3/25

All: 1898.920+/-0.275 χ^2/NDF: 942385.4/46



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3133.737+/-1766.659 χ^2/NDF:5.8/6

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1104.152+/-2015.020 χ^2/NDF:1.2/4

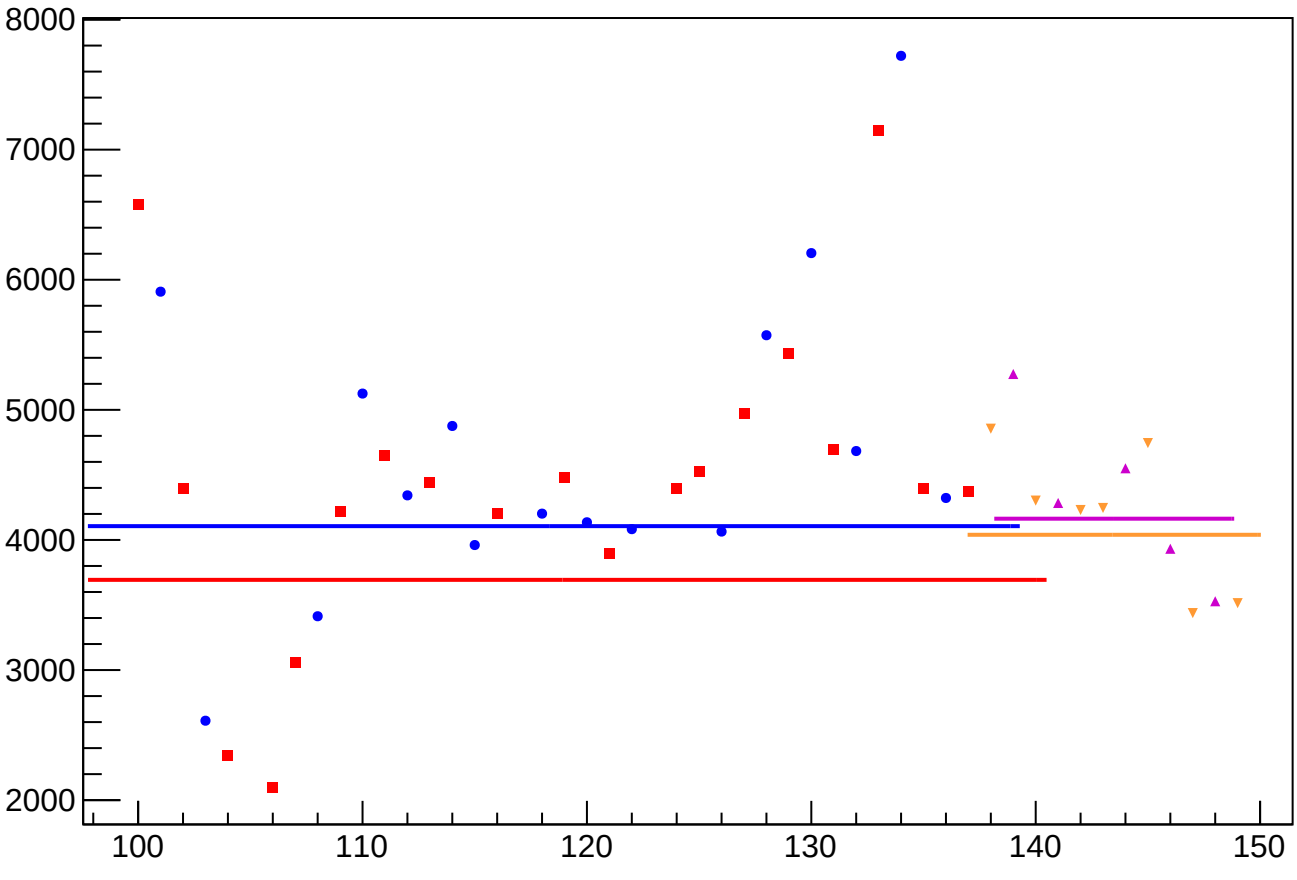
Left: 2251.664+/-1328.397 χ^2/NDF: 7.6/11

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -374.878+/-1245.993 χ^2/NDF:16.3/20

Out: 956.331+/-1115.002 χ^2/NDF:25.6/25

All: 364.357+/-830.890 χ^2/NDF: 42.6/46



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4039.704+/-1.249 χ^2/NDF:178603.5/6

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: 4093.469+/-0.939 χ^2/NDF: 332542.0/11

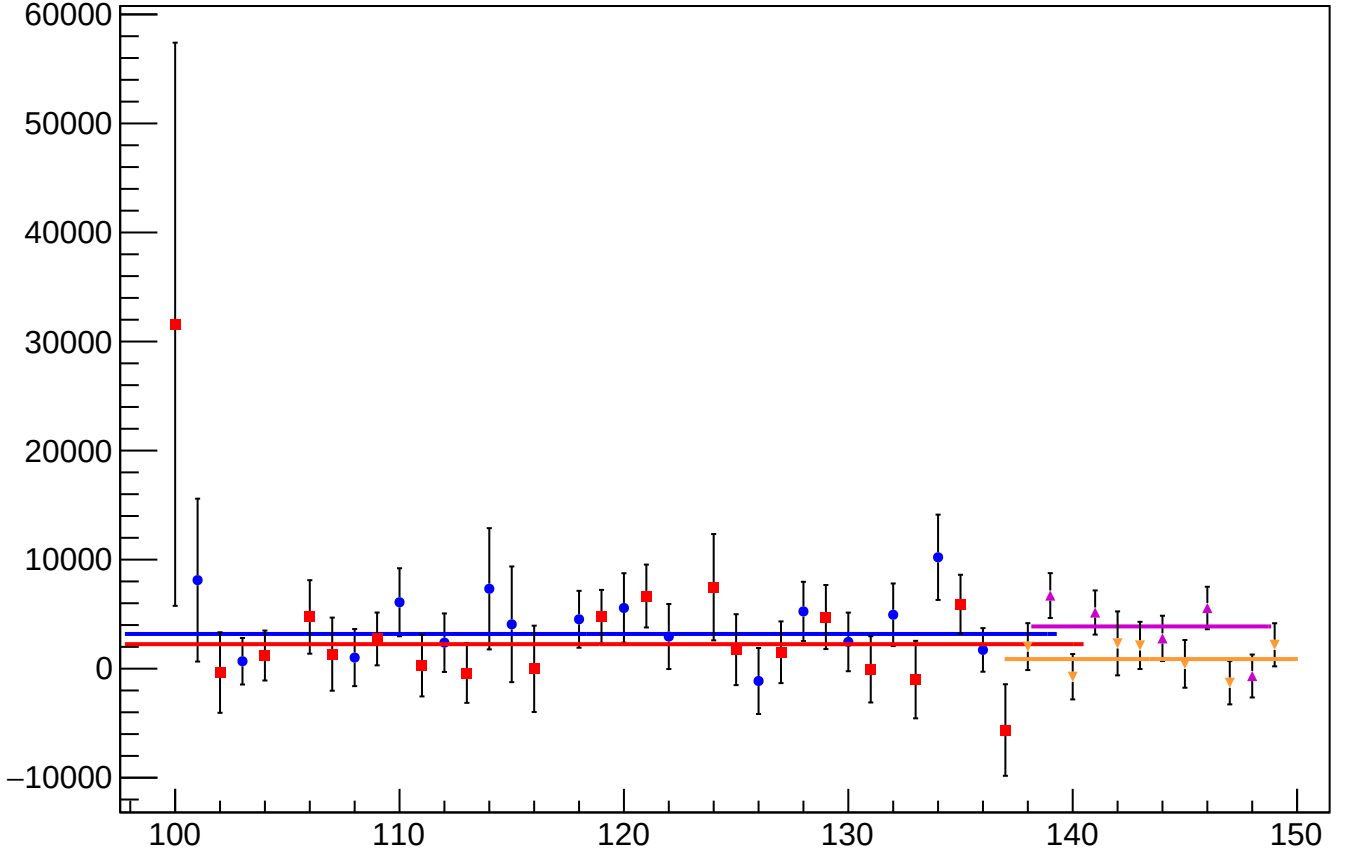
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4128.040+/-0.881 χ^2/NDF:1106804.7/20

Out: 3831.264+/-0.788 χ^2/NDF:1581520.1/25

All: 3963.237+/-0.588 χ^2/NDF: 2751332.5/46

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 880.622+/-817.542 χ^2/NDF:3.1/6

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: 2232.571+/-605.277 χ^2/NDF: 17.8/11

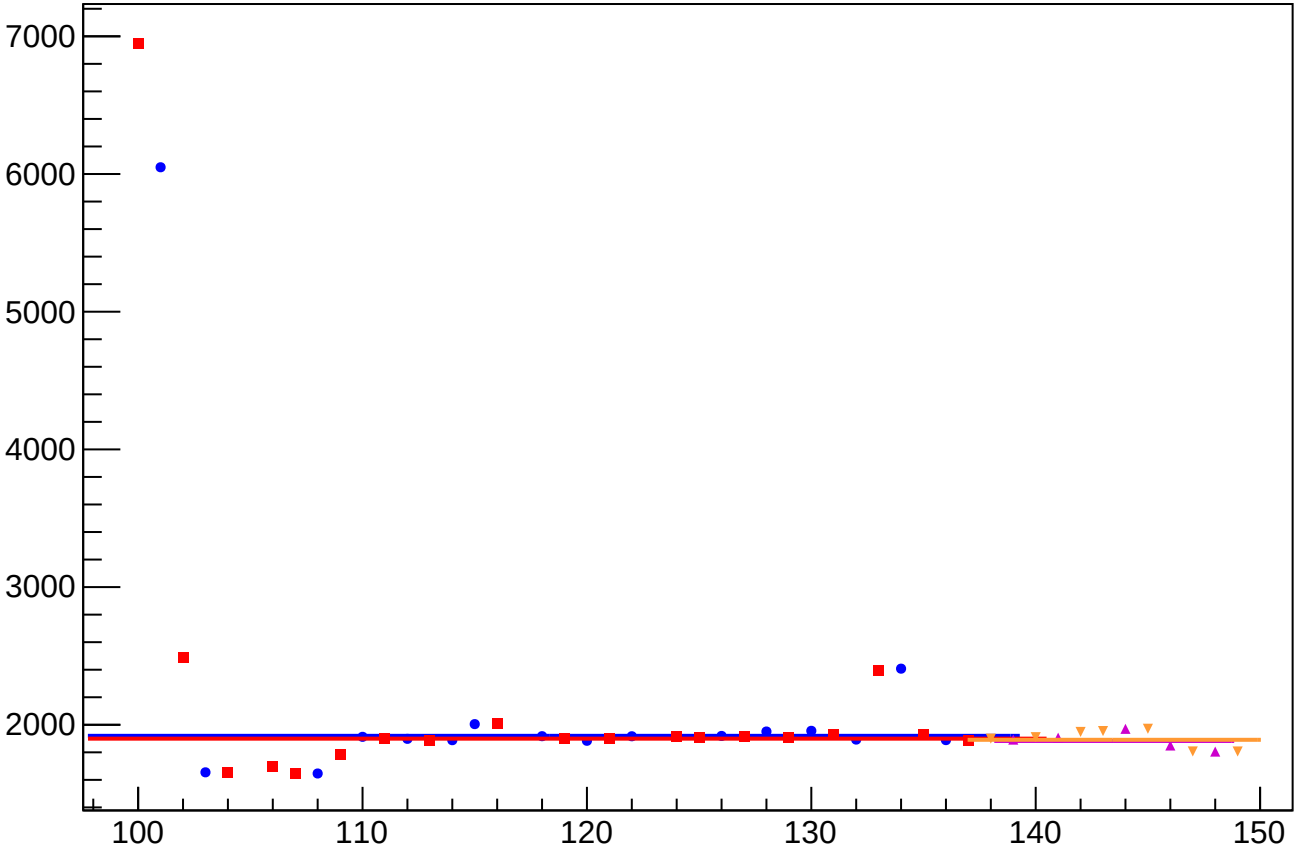
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3456.975+/-567.587 χ^2/NDF:20.7/20

Out: 1658.778+/-536.458 χ^2/NDF:21.2/25

All: 2507.216+/-389.873 χ^2/NDF: 47.2/46

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1890.994+/-0.578 χ^2/NDF:12688.8/6

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1882.573+/-0.637 χ^2/NDF:7558.1/4

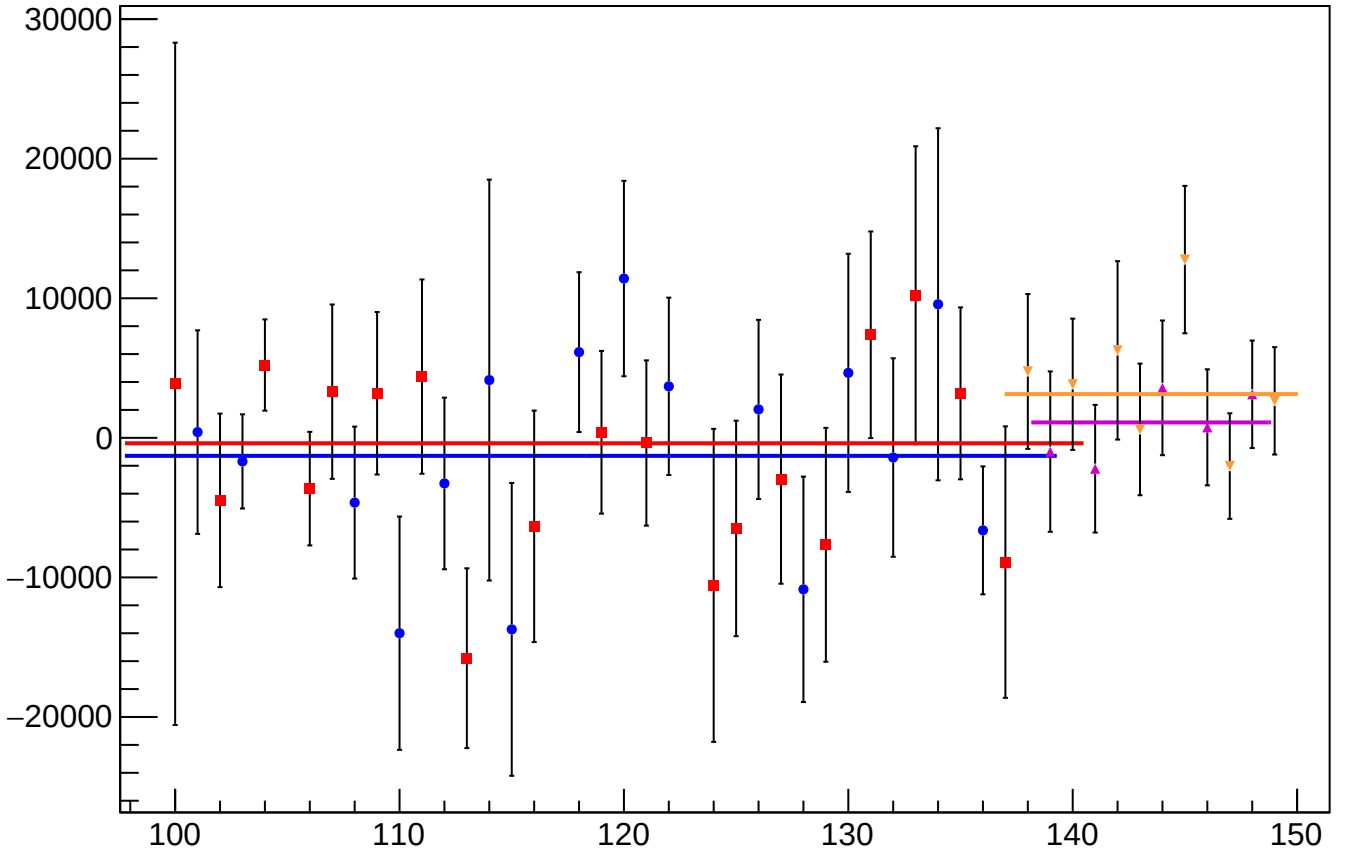
Left: 1887.189+/-0.428 χ^2/NDF: 20342.8/11

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1905.025+/-0.401 χ^2/NDF:706952.0/20

Out: 1895.767+/-0.379 χ^2/NDF:228462.4/25

All: 1900.131+/-0.276 χ^2/NDF: 935695.8/46



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3133.707+/-1766.651 χ^2/NDF:5.8/6

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1104.142+/-2015.021 χ^2/NDF:1.2/4

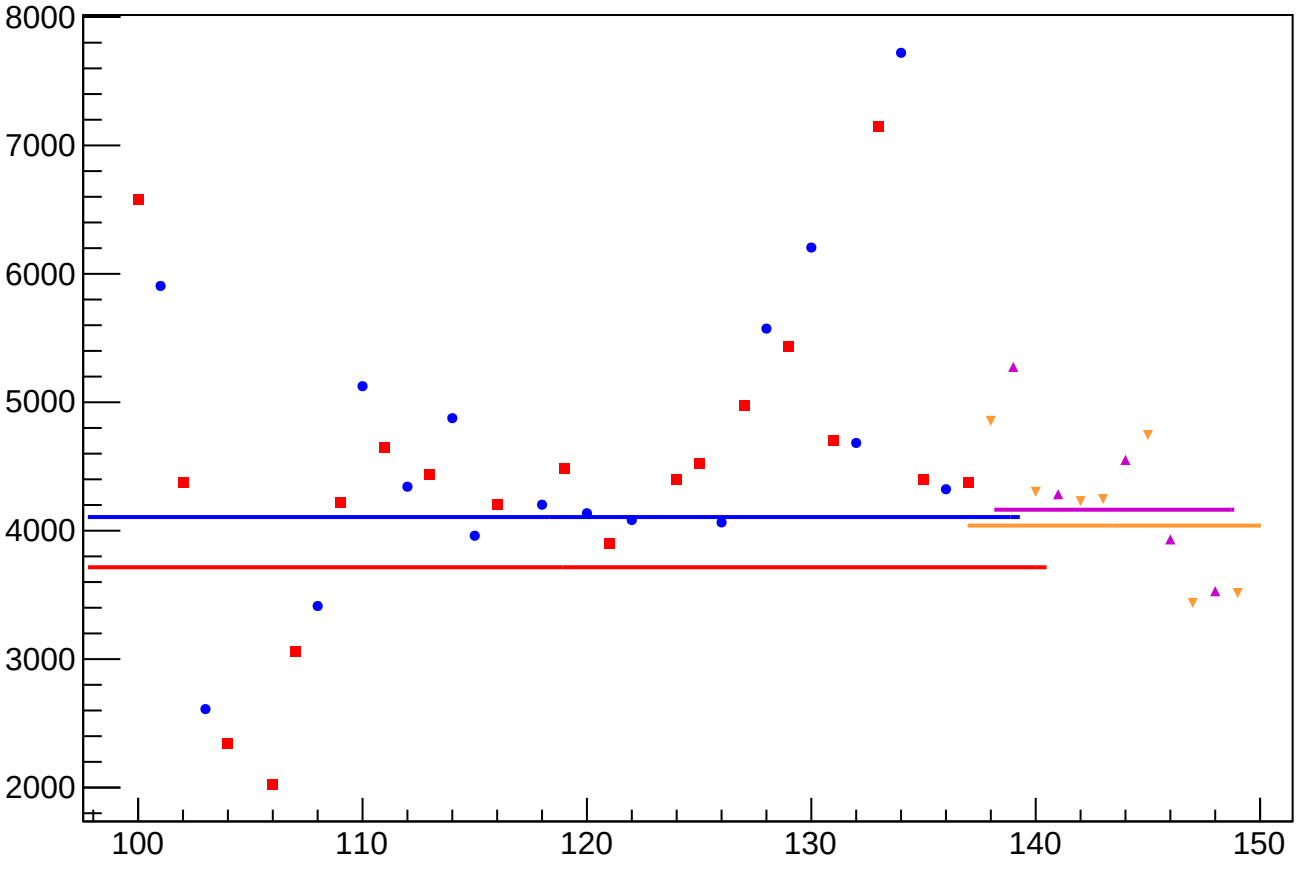
Left: 2251.648+/-1328.394 χ^2/NDF: 7.6/11

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -375.107+/-1245.994 χ^2/NDF:16.3/20

Out: 1031.510+/-1121.526 χ^2/NDF:25.2/25

All: 401.948+/-833.580 χ^2/NDF: 42.3/46



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4039.684+/-1.249 χ^2/NDF:178604.2/6

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4163.414+/-1.425 χ^2/NDF:149679.5/4

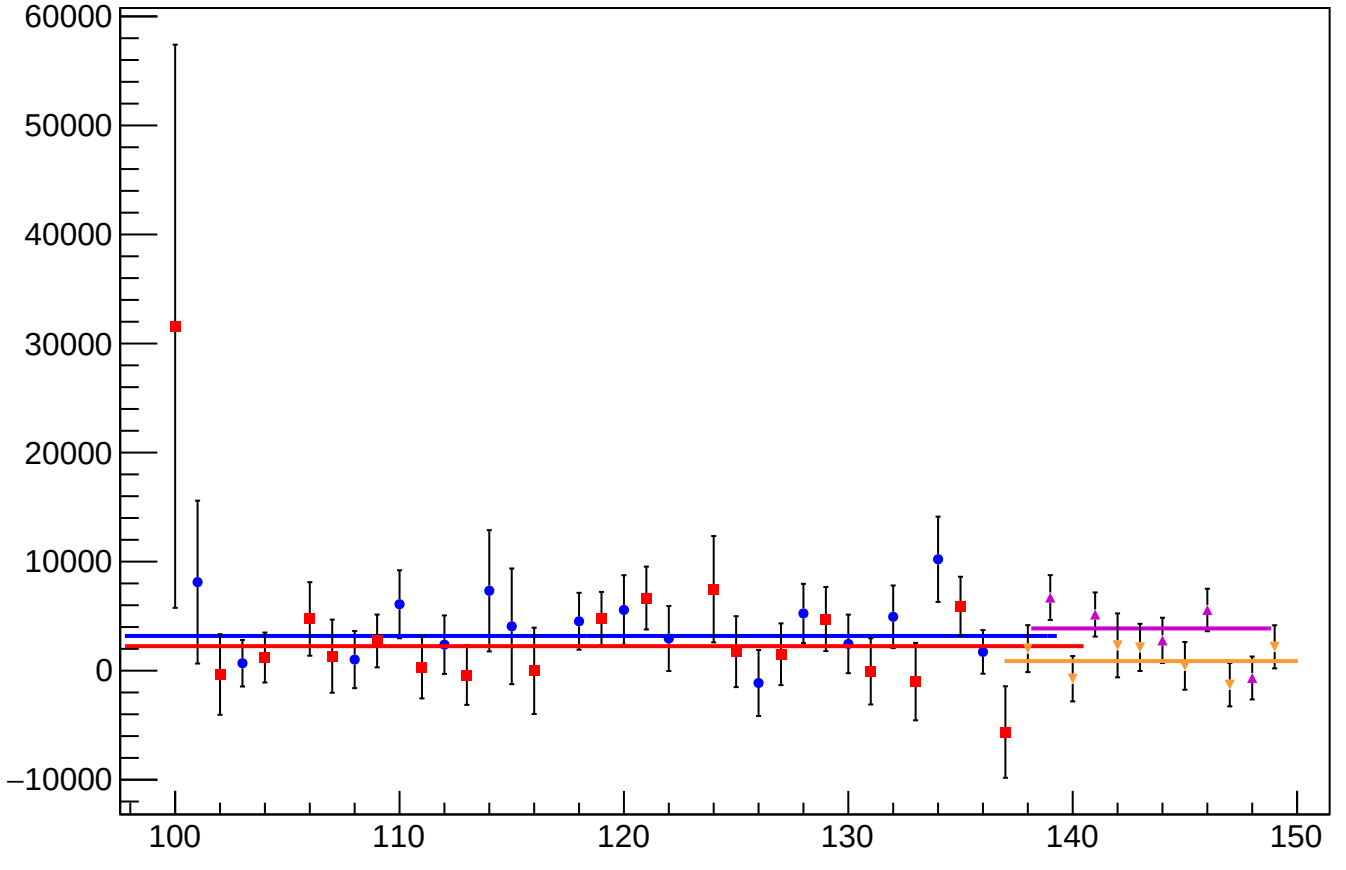
Left: 4093.457+/-0.939 χ^2/NDF: 332547.4/11

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4128.097+/-0.881 χ^2/NDF:1106305.4/20

Out: 3845.972+/-0.793 χ^2/NDF:1553983.5/25

All: 3972.243+/-0.589 χ^2/NDF: 2716933.5/46



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 880.622+/-817.542 χ^2/NDF:3.1/6

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: 2232.571+/-605.277 χ^2/NDF: 17.8/11

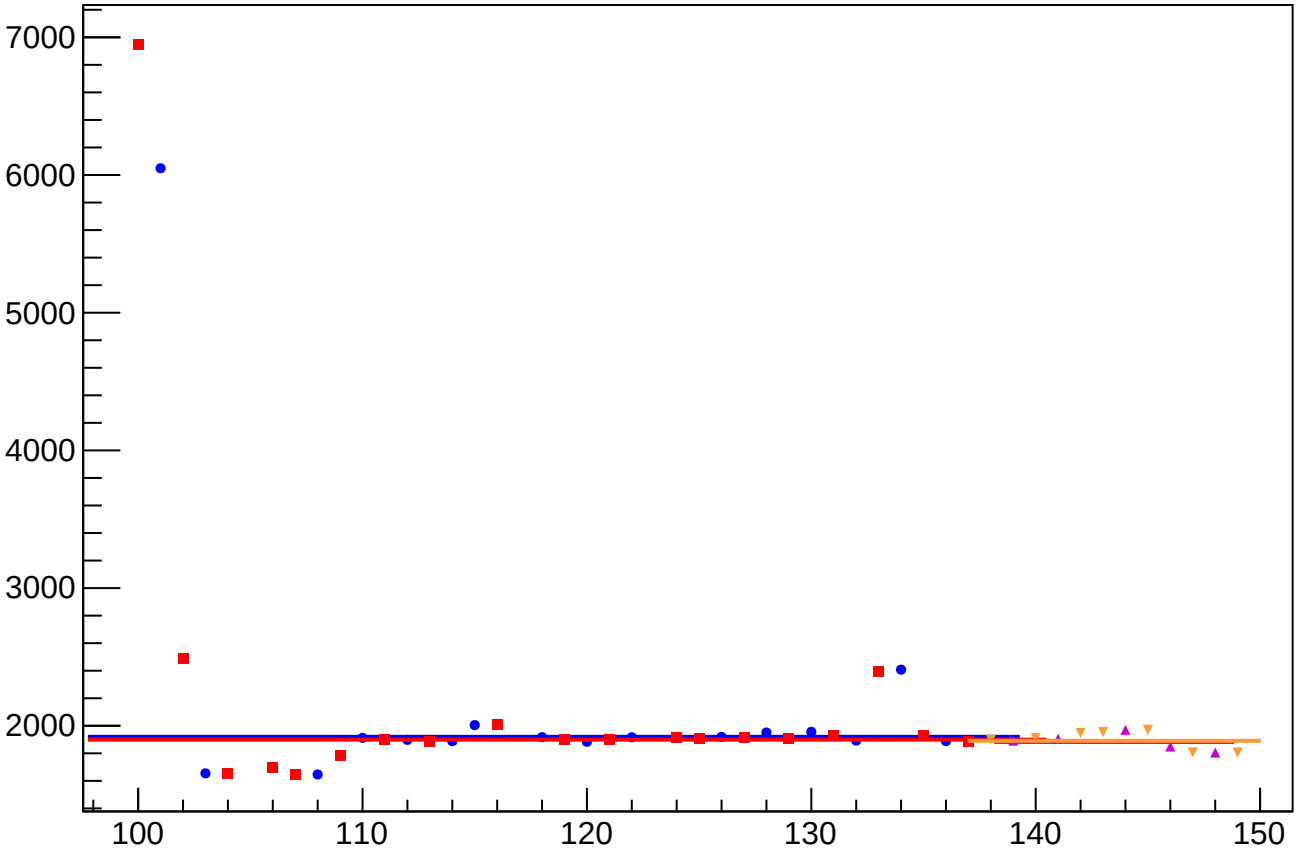
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3456.975+/-567.587 χ^2/NDF:20.7/20

Out: 1658.778+/-536.458 χ^2/NDF:21.2/25

All: 2507.216+/-389.873 χ^2/NDF: 47.2/46

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1890.994+/-0.578 χ^2/NDF:12688.8/6

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: 1887.189+/-0.428 χ^2/NDF: 20342.8/11

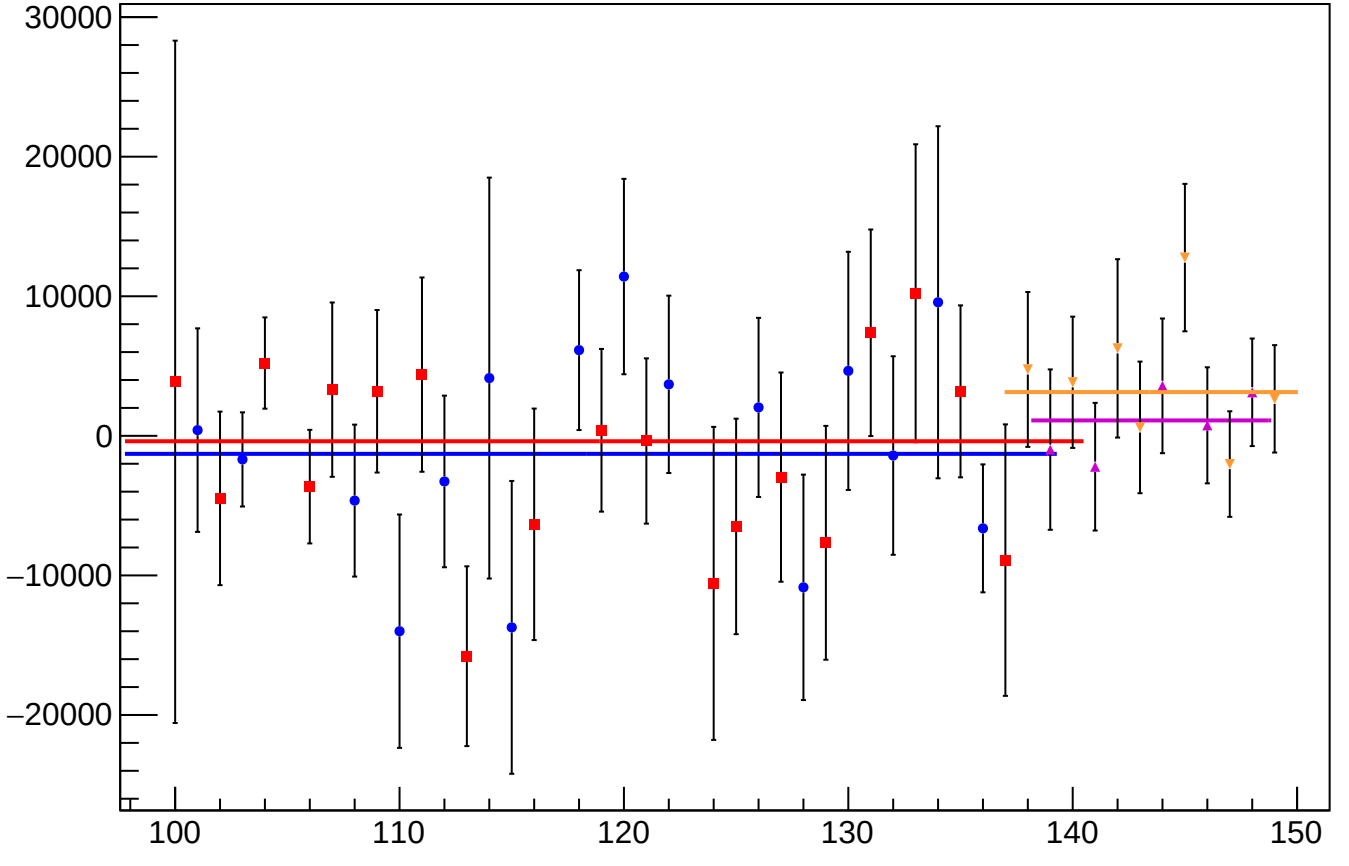
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1905.025+/-0.401 χ^2/NDF:706952.0/20

Out: 1895.767+/-0.379 χ^2/NDF:228462.4/25

All: 1900.131+/-0.276 χ^2/NDF: 935695.8/46

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3133.707+/-1766.651 χ^2/NDF:5.8/6

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: 2251.648+/-1328.394 χ^2/NDF: 7.6/11

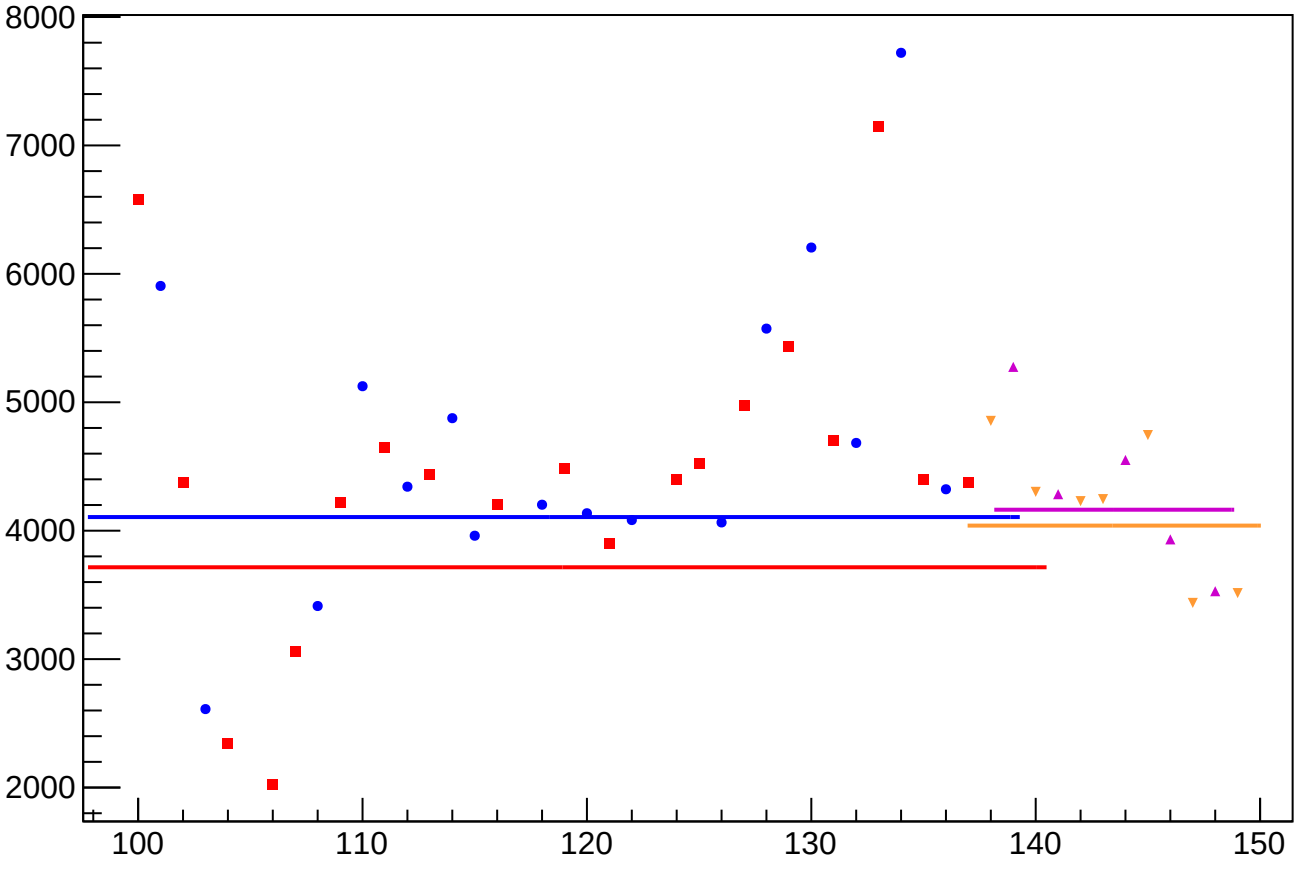
Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -375.107+/-1245.994 χ^2/NDF:16.3/20

Out: 1031.510+/-1121.526 χ^2/NDF:25.2/25

All: 401.948+/-833.580 χ^2/NDF: 42.3/46

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4039.684+/-1.249 χ^2/NDF:178604.2/6

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: 4093.457+/-0.939 χ^2/NDF: 332547.4/11

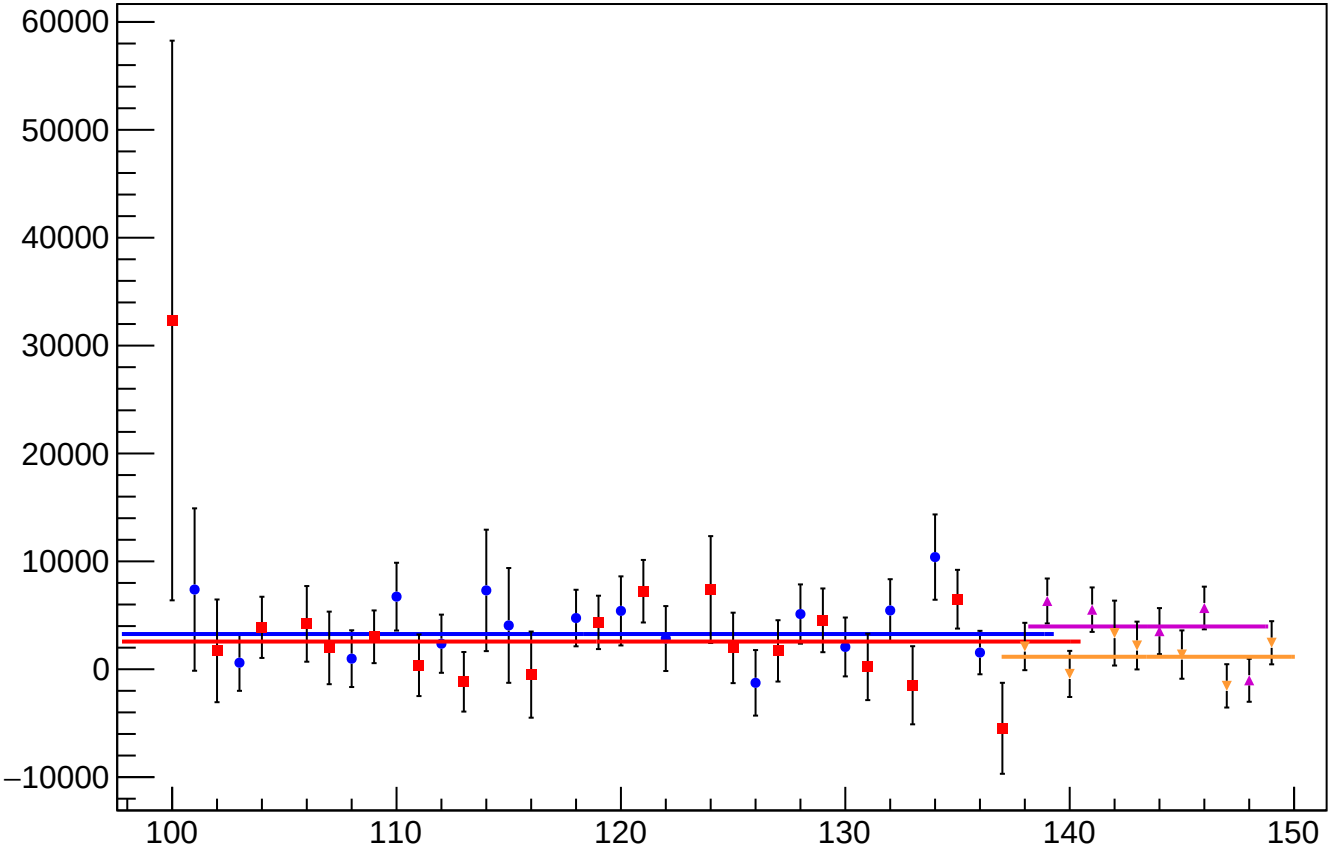
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4128.097+/-0.881 χ^2/NDF:1106305.4/20

Out: 3845.972+/-0.793 χ^2/NDF:1553983.5/25

All: 3972.243+/-0.589 χ^2/NDF: 2716933.5/46

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1156.676+/-833.792 χ^2/NDF:3.7/6

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: 2429.175+/-616.507 χ^2/NDF: 17.8/11

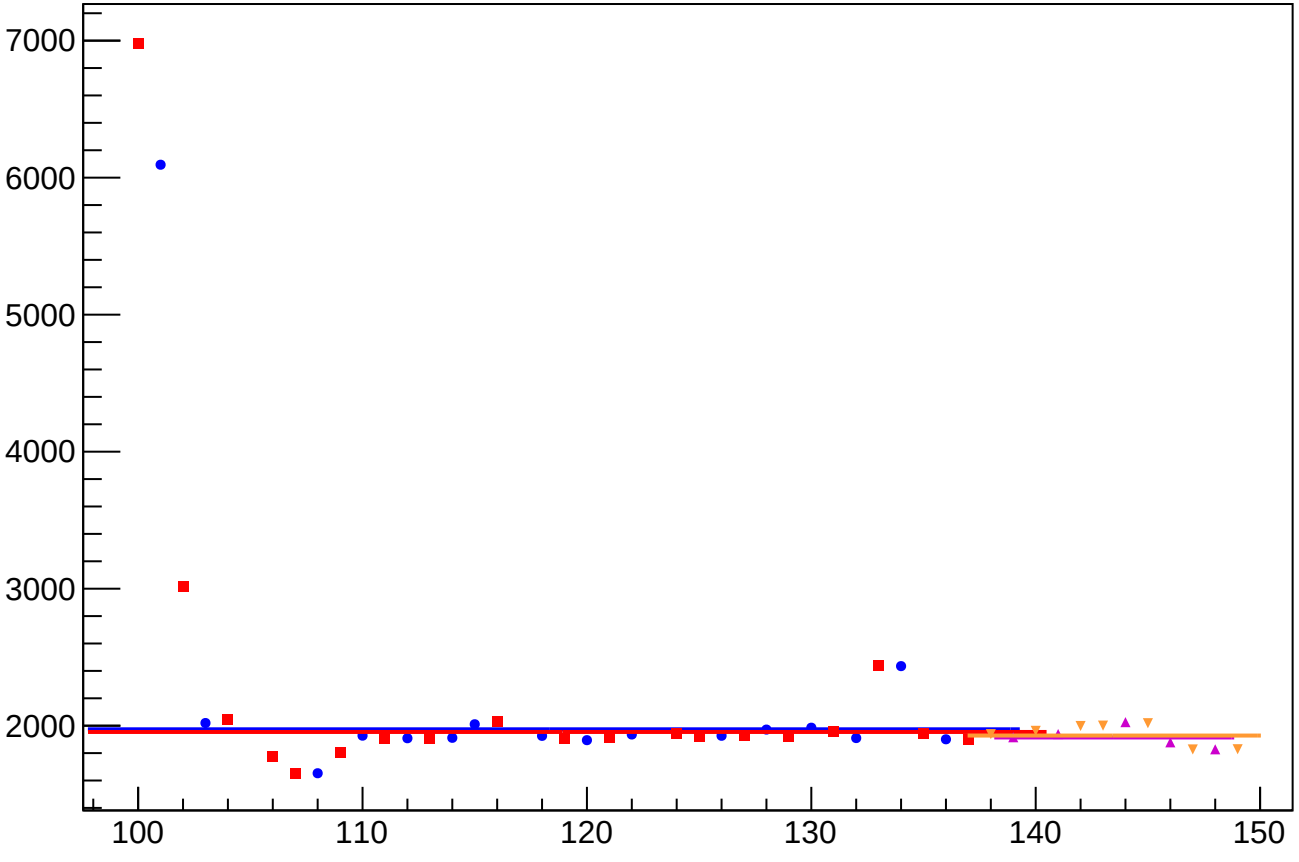
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3545.799+/-580.622 χ^2/NDF:21.4/20

Out: 1950.240+/-551.308 χ^2/NDF:22.4/25

All: 2706.726+/-399.795 χ^2/NDF: 47.8/46

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1928.107+/-0.590 χ^2/NDF:17101.9/6

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.8/4

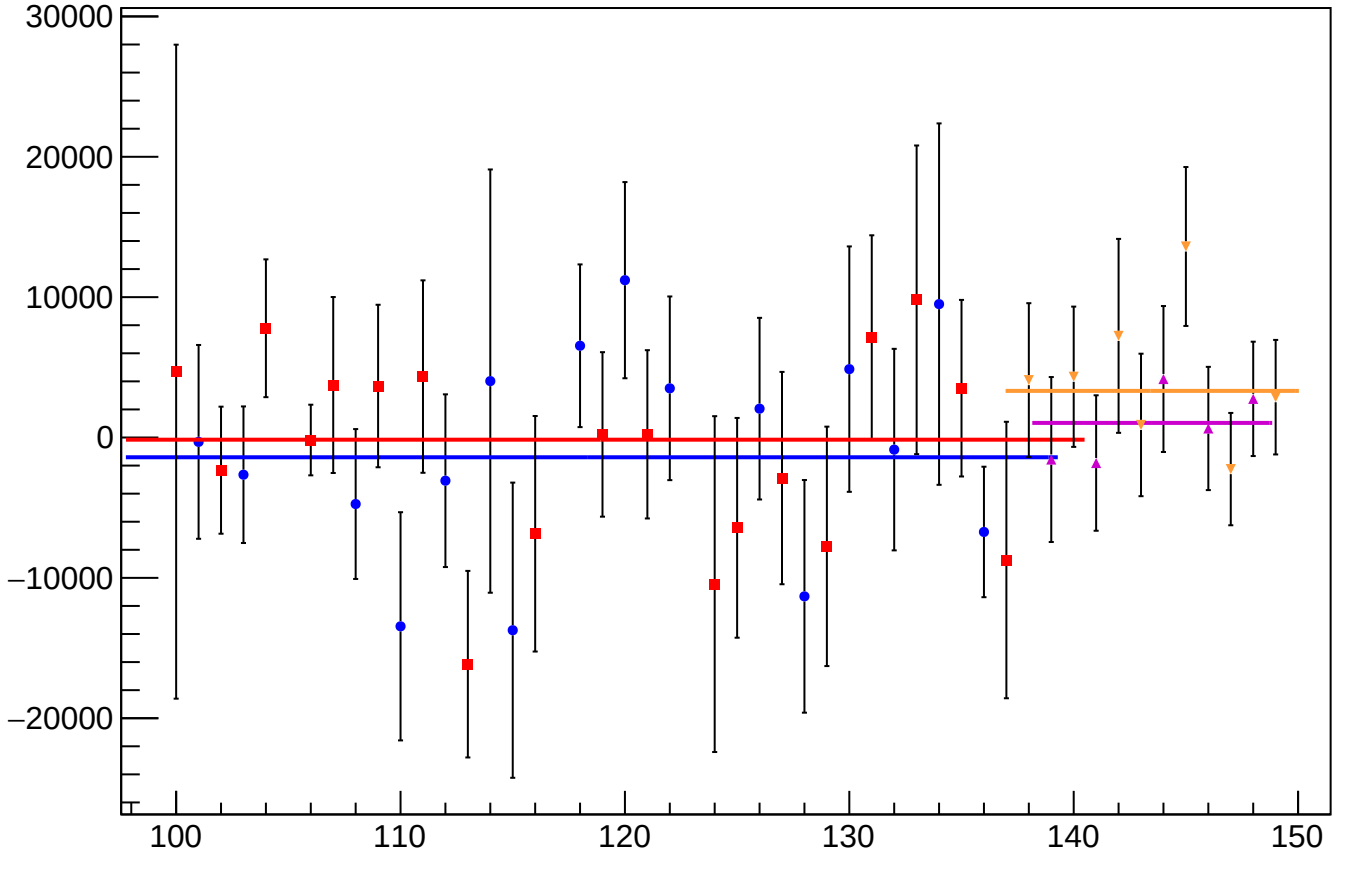
Left: 1921.770+/-0.436 χ^2/NDF: 27538.5/11

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1949.777+/-0.411 χ^2/NDF:680375.7/20

Out: 1942.882+/-0.390 χ^2/NDF:264428.2/25

All: 1946.149+/-0.283 χ^2/NDF: 944952.4/46



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 3321.368+/-1867.251 χ^2/NDF:5.9/6

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1040.413+/-2126.930 χ^2/NDF:1.1/4

Left: 2328.561+/-1403.225 χ^2/NDF: 7.6/11

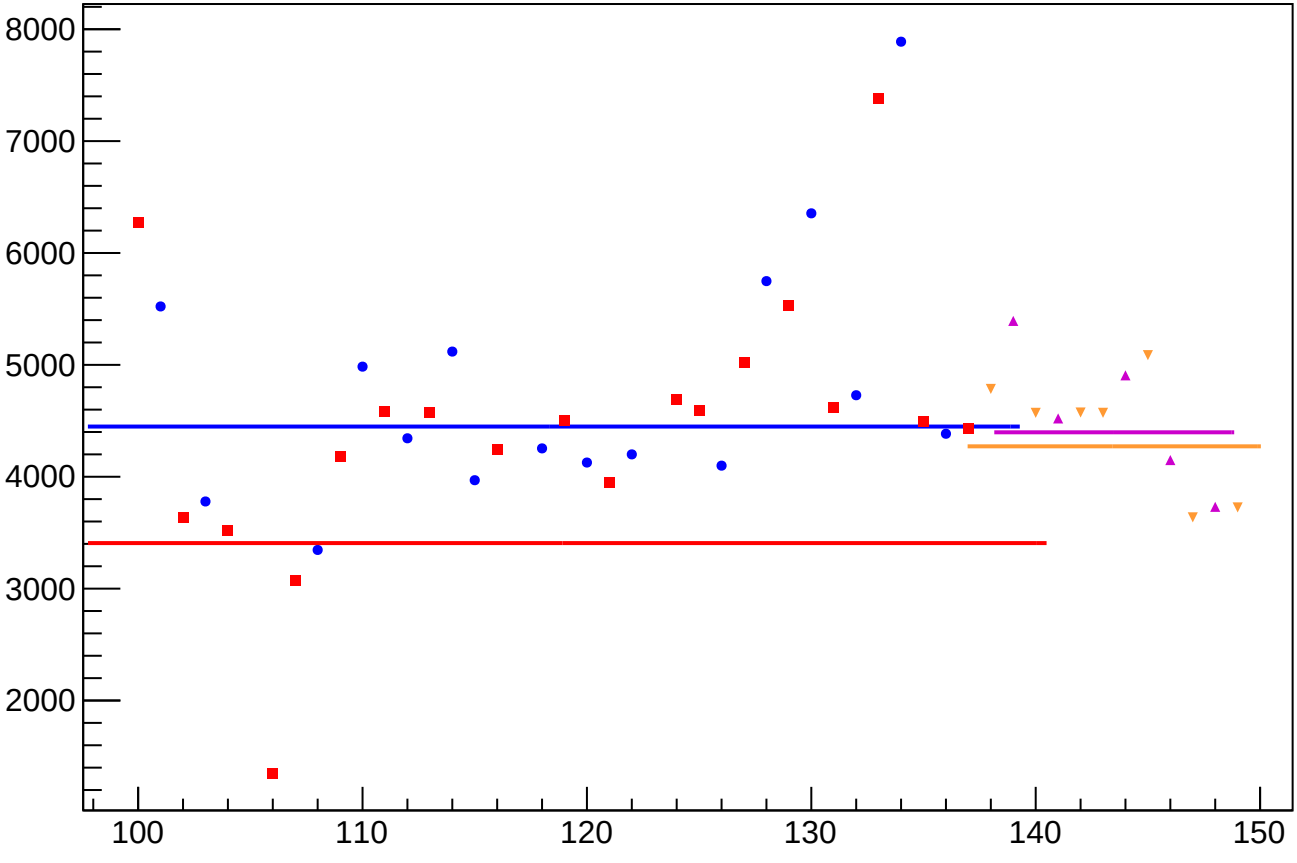
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -460.070+/-1323.159 χ^2/NDF:16.1/20

Out: 1053.989+/-1101.242 χ^2/NDF:23.9/25

All: 434.397+/-846.435 χ^2/NDF: 40.8/46

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4271.881+/-1.320 χ^2/NDF:163107.1/6

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: 4326.446+/-0.992 χ^2/NDF: 304801.2/11

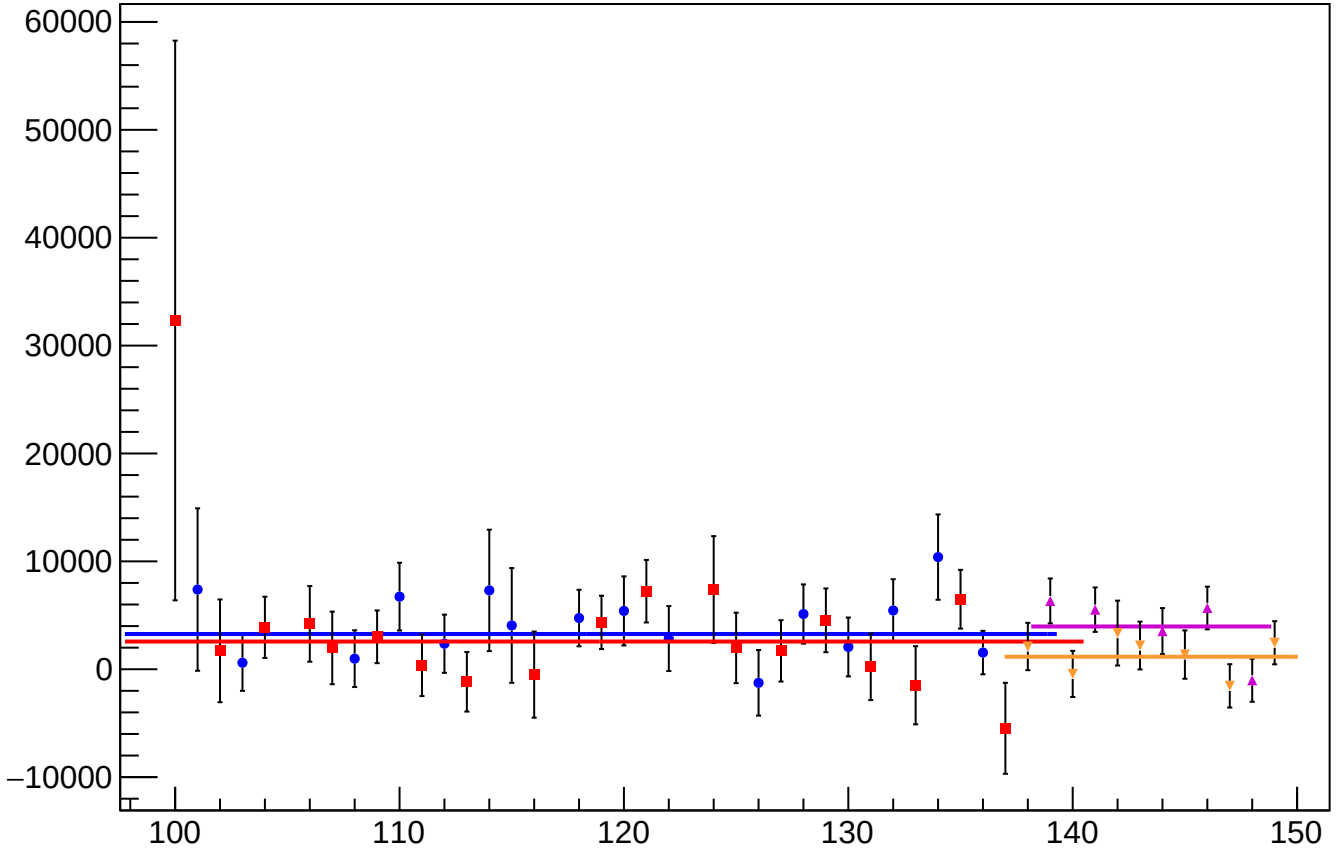
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4428.793+/-0.936 χ^2/NDF:633101.6/20

Out: 3707.910+/-0.779 χ^2/NDF:2768919.5/25

All: 4002.914+/-0.599 χ^2/NDF: 3752738.4/46

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1156.679+/-833.793 χ^2/NDF:3.7/6

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: 2429.174+/-616.507 χ^2/NDF: 17.8/11

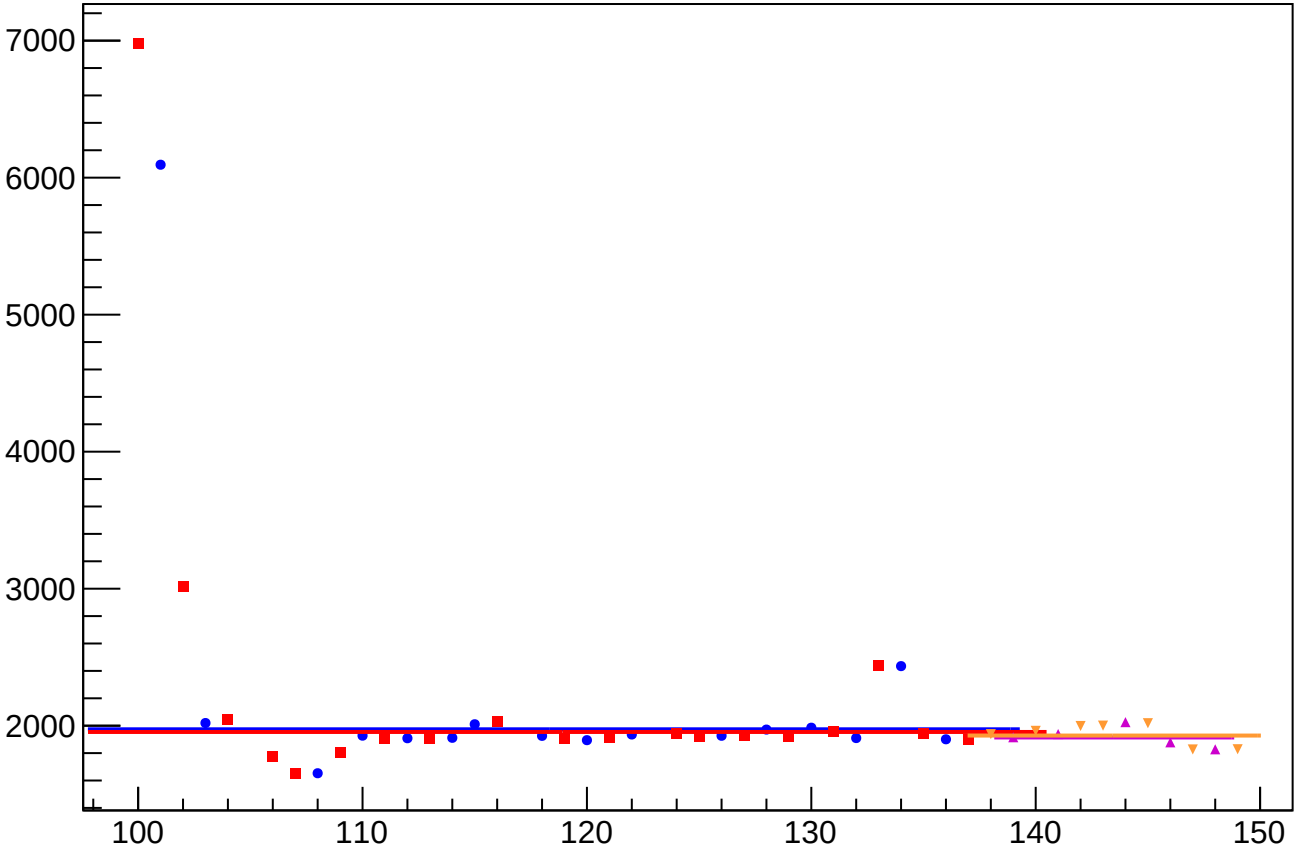
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3545.799+/-580.622 χ^2/NDF:21.4/20

Out: 1950.245+/-551.308 χ^2/NDF:22.4/25

All: 2706.729+/-399.795 χ^2/NDF: 47.8/46

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1928.108+/-0.590 χ^2/NDF:17102.0/6

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1914.128+/-0.647 χ^2/NDF:10181.7/4

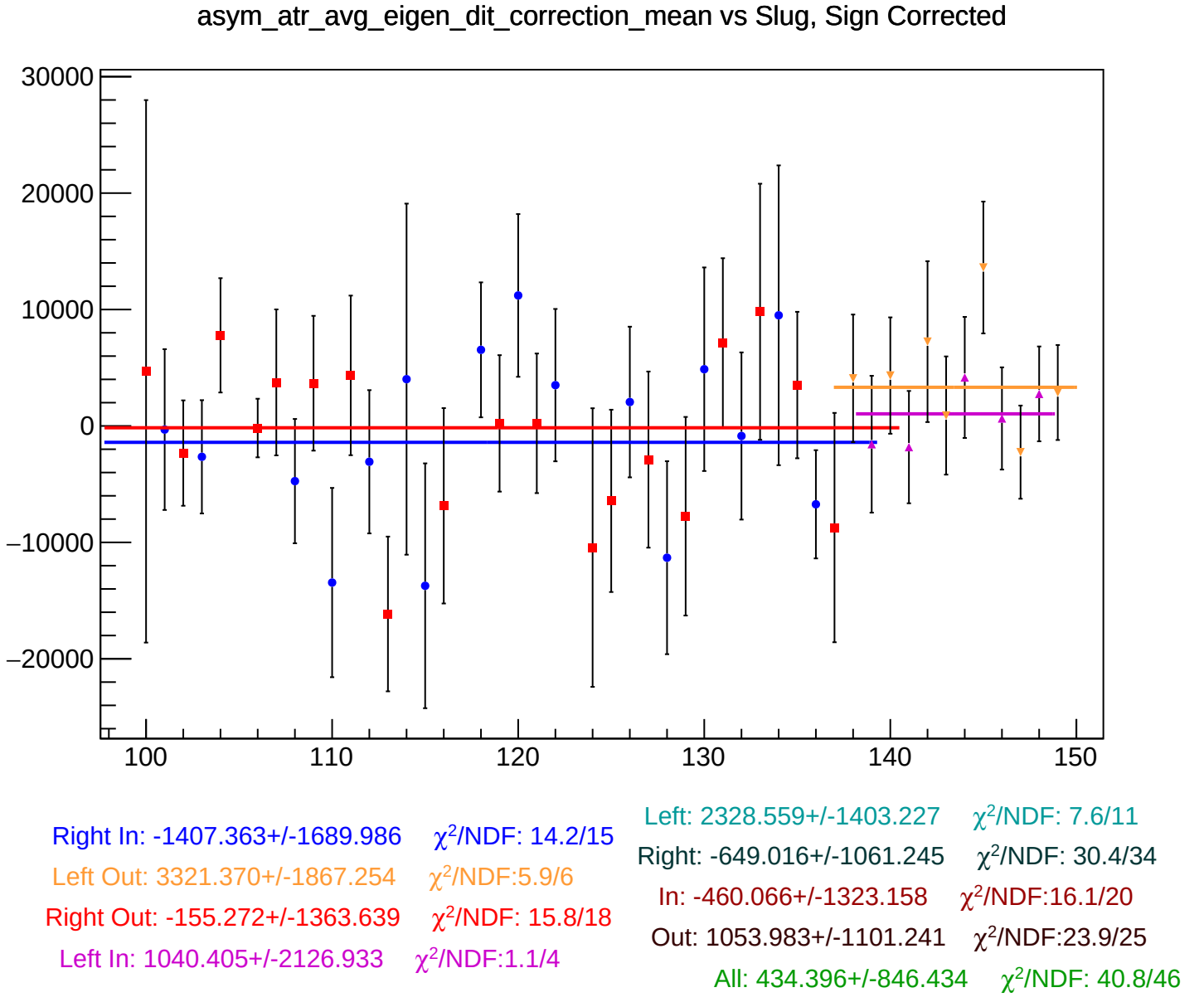
Left: 1921.771+/-0.436 χ^2/NDF: 27538.6/11

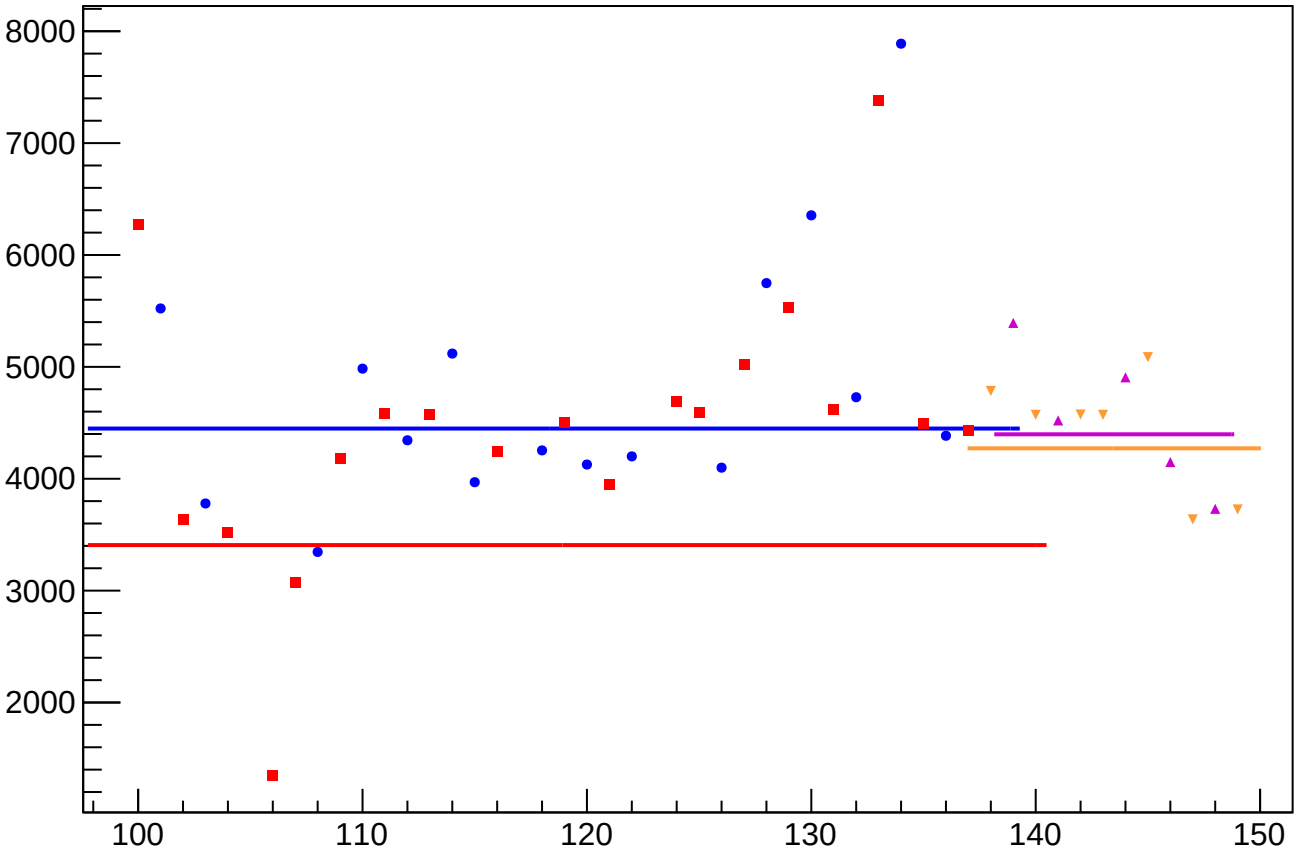
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1949.778+/-0.411 χ^2/NDF:680375.5/20

Out: 1942.882+/-0.390 χ^2/NDF:264427.7/25

All: 1946.150+/-0.283 χ^2/NDF: 944951.6/46


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 3321.370+/-1867.254 χ²/NDF:5.9/6
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 1040.405+/-2126.933 χ²/NDF:1.1/4
Left: 2328.559+/-1403.227 χ²/NDF: 7.6/11
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -460.066+/-1323.158 χ²/NDF:16.1/20
Out: 1053.983+/-1101.241 χ²/NDF:23.9/25
All: 434.396+/-846.434 χ²/NDF: 40.8/46



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4271.887+/-1.320 χ^2/NDF:163107.0/6

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: 4326.453+/-0.992 χ^2/NDF: 304800.6/11

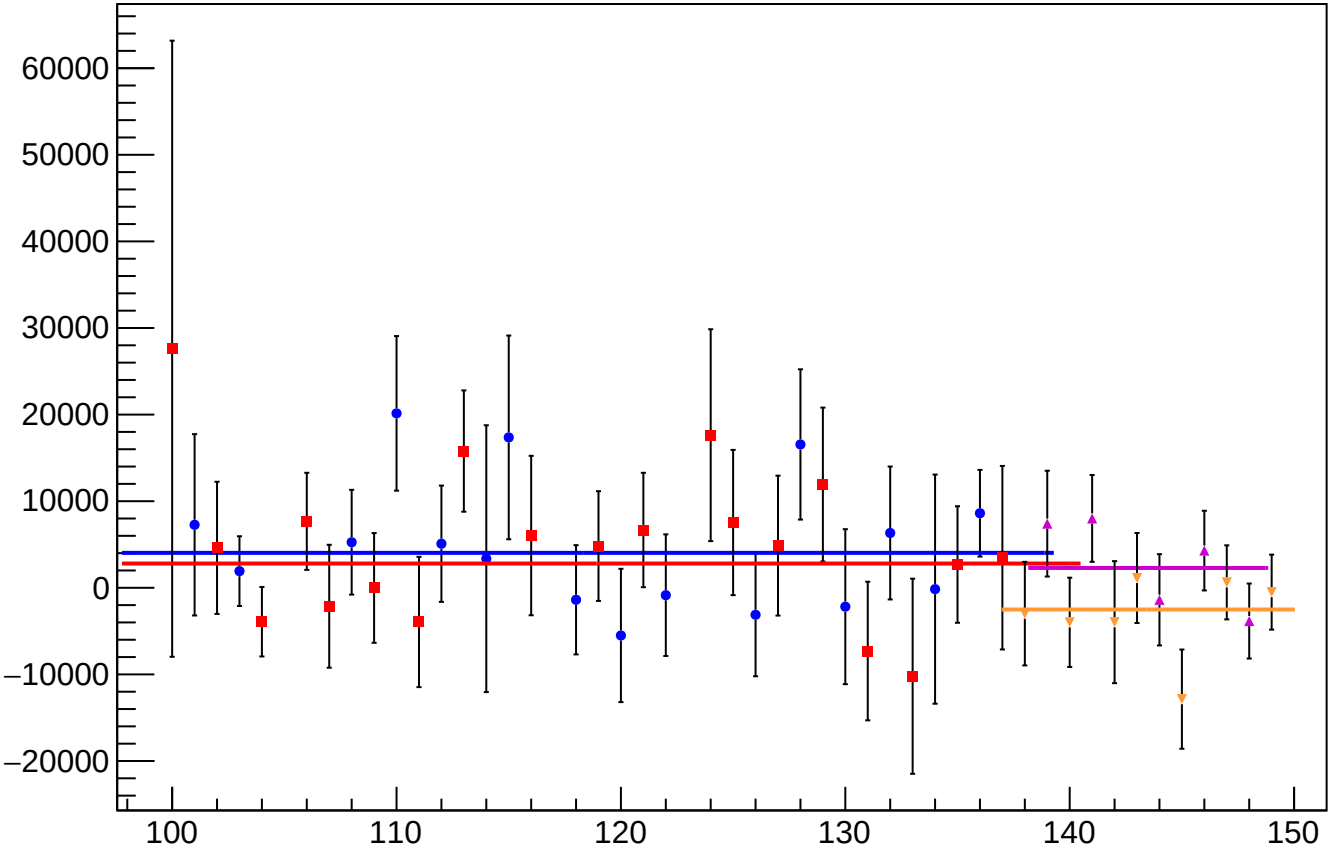
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4428.791+/-0.936 χ^2/NDF:633097.8/20

Out: 3707.905+/-0.779 χ^2/NDF:2768932.5/25

All: 4002.910+/-0.599 χ^2/NDF: 3752750.7/46

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -2509.033+/-1956.141 χ^2/NDF:4.6/6

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: -409.319+/-1467.237 χ^2/NDF: 12.0/11

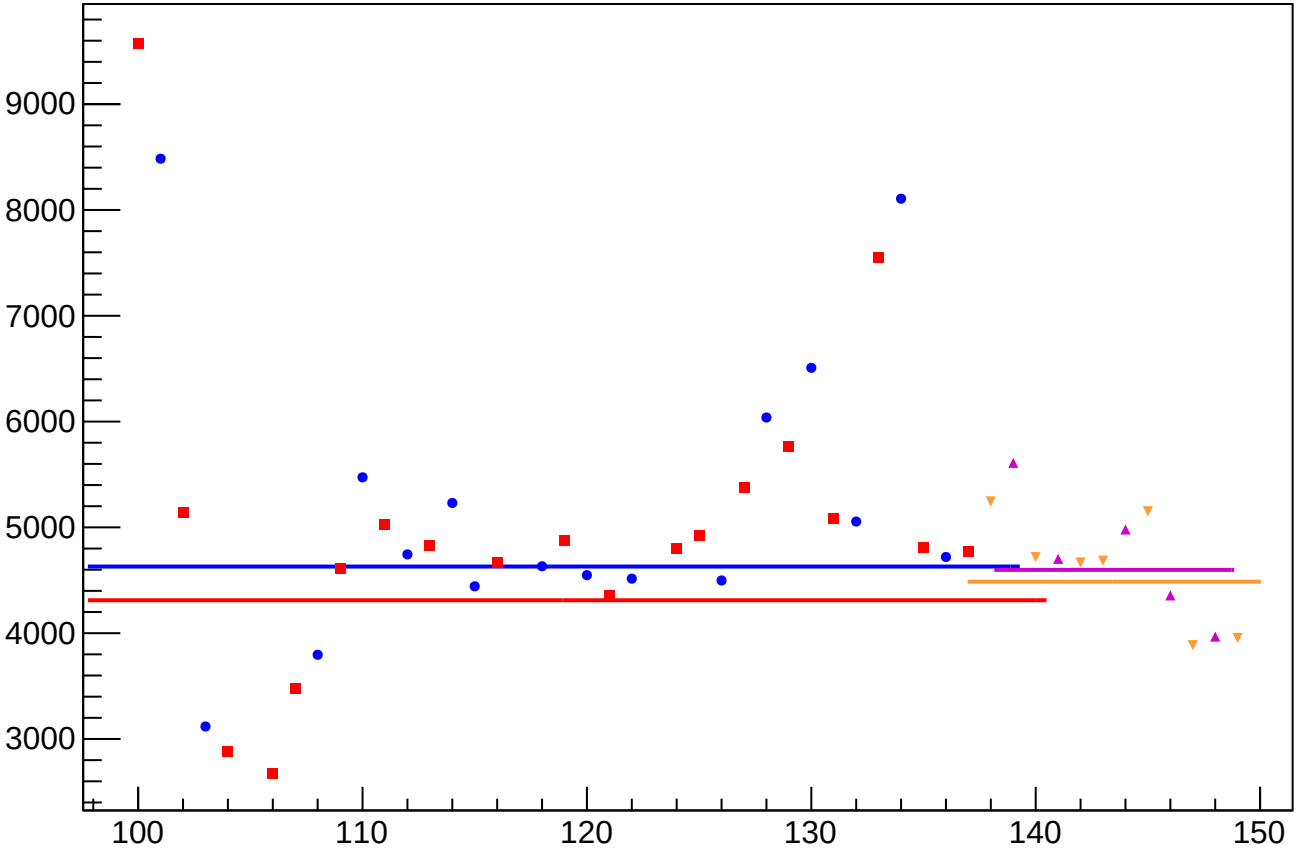
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3350.945+/-1389.323 χ^2/NDF:17.4/20

Out: 559.237+/-1270.928 χ^2/NDF:24.3/25

All: 1831.092+/-937.749 χ^2/NDF: 43.9/46

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4486.673+/-1.383 χ^2/NDF:137121.9/6

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4598.327+/-1.569 χ^2/NDF:114127.1/4

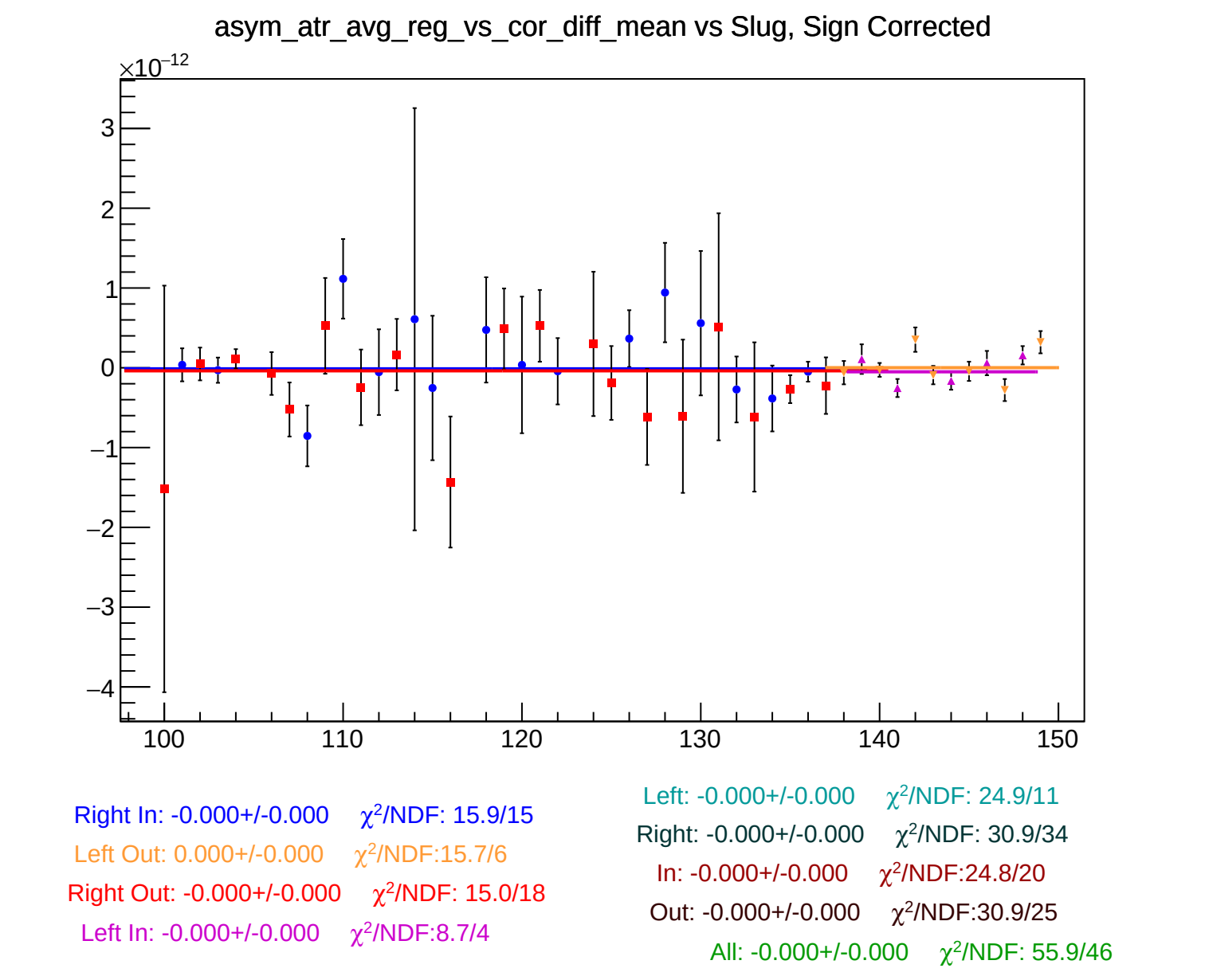
Left: 4535.511+/-1.037 χ^2/NDF: 254099.1/11

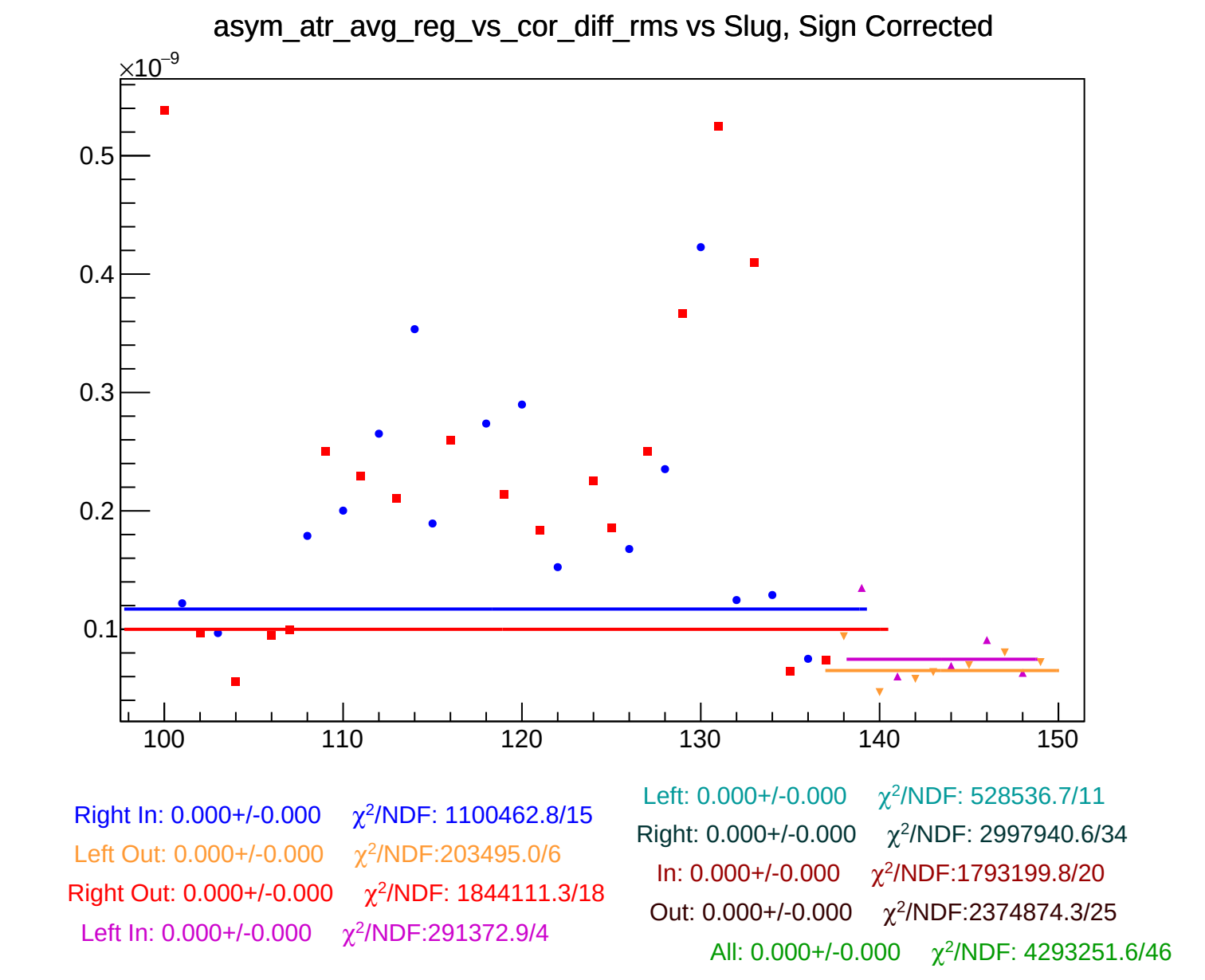
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

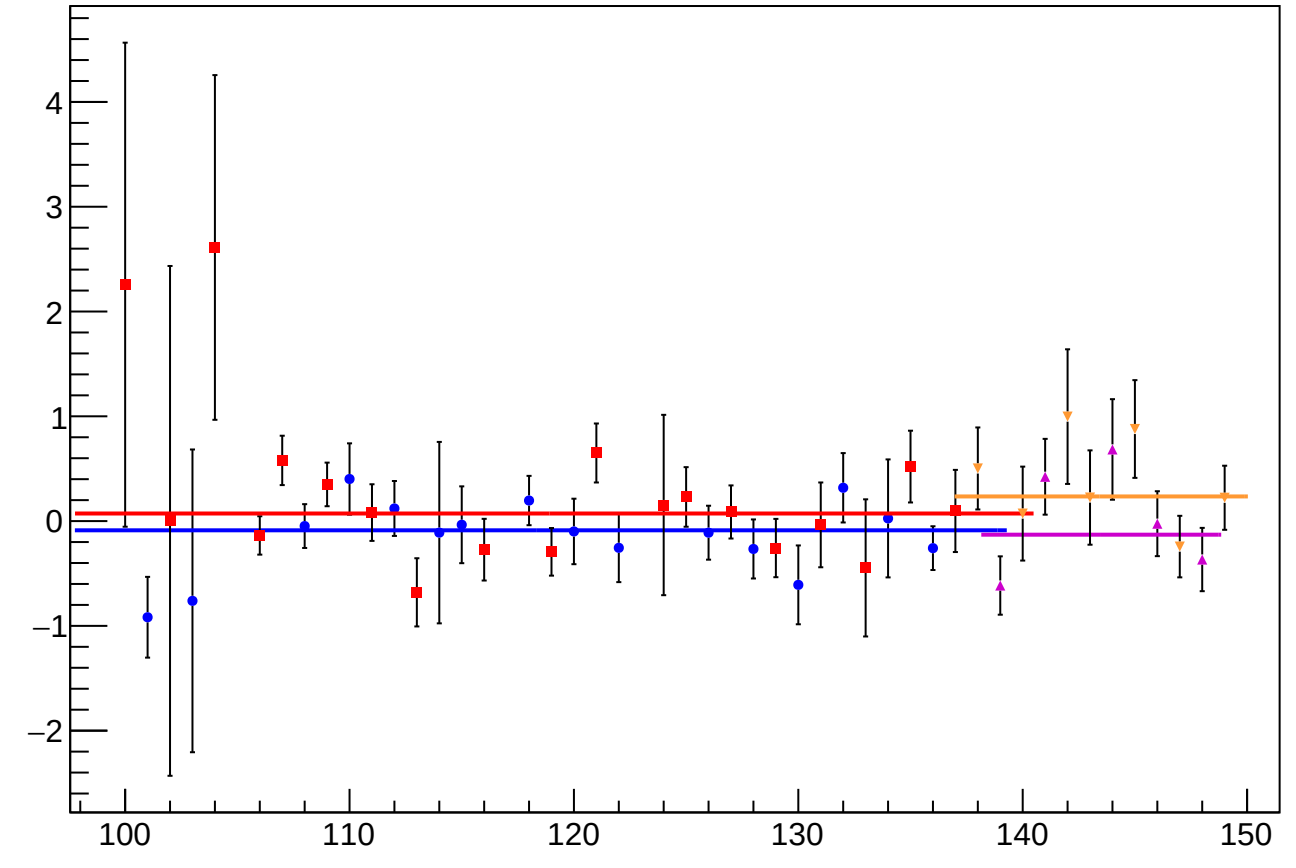
In: 4617.559+/-0.982 χ^2/NDF:1014620.7/20

Out: 4384.540+/-0.894 χ^2/NDF:1051225.4/25

All: 4490.117+/-0.661 χ^2/NDF: 2096616.0/46


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:15.7/6
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: 24.9/11
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:30.9/25
All: -0.000+/-0.000 χ²/NDF: 55.9/46


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:203495.0/6
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: 528536.7/11
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:2374874.3/25
All: 0.000+/-0.000 χ²/NDF: 4293251.6/46



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.235+/-0.148 χ^2/NDF:6.6/6

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.130+/-0.147 χ^2/NDF:9.0/4

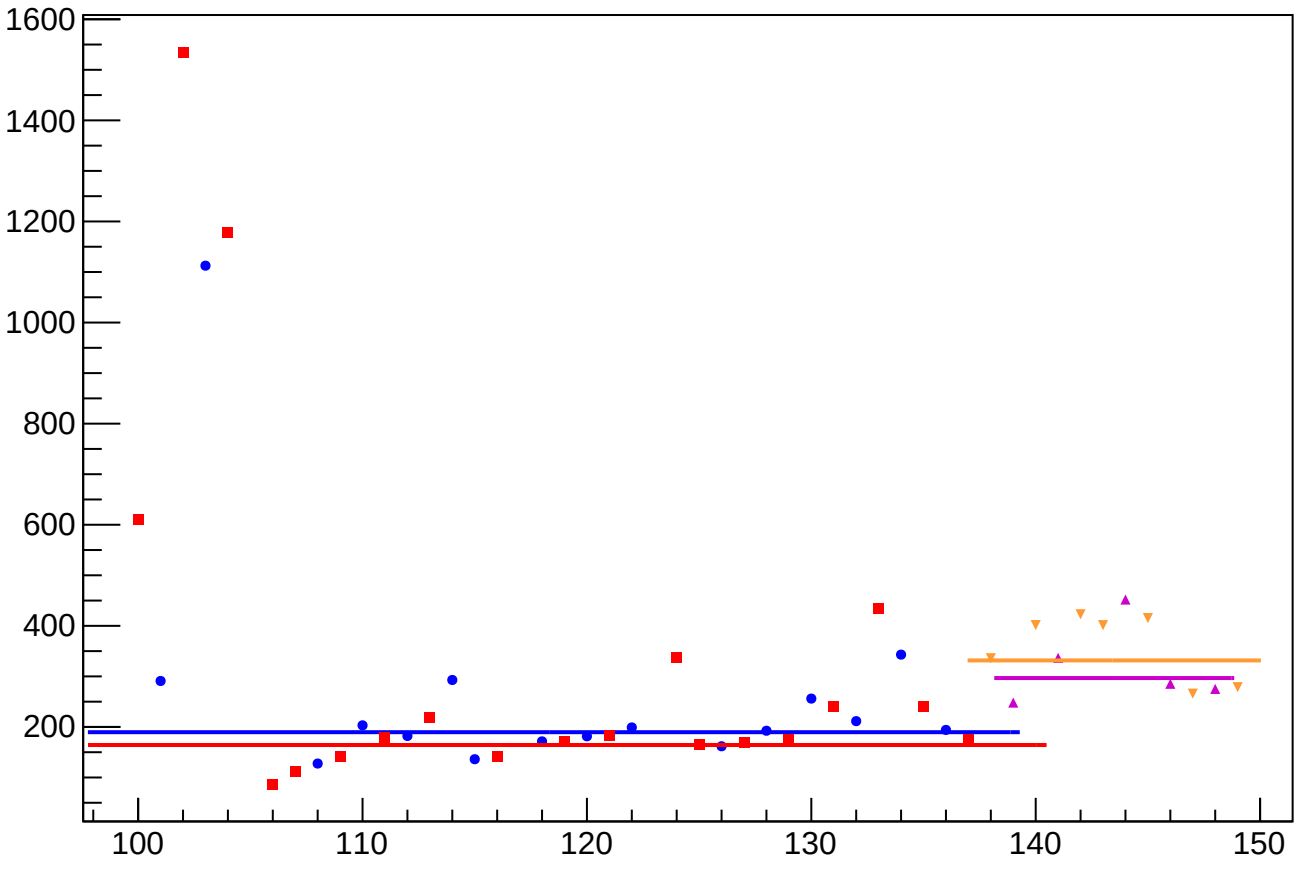
Left: 0.052+/-0.104 χ^2/NDF: 18.6/11

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.068 χ^2/NDF:22.9/20

Out: 0.102+/-0.063 χ^2/NDF:36.2/25

All: 0.010+/-0.046 χ^2/NDF: 63.7/46



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 331.558+/-0.105 χ^2/NDF:362039.2/6

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

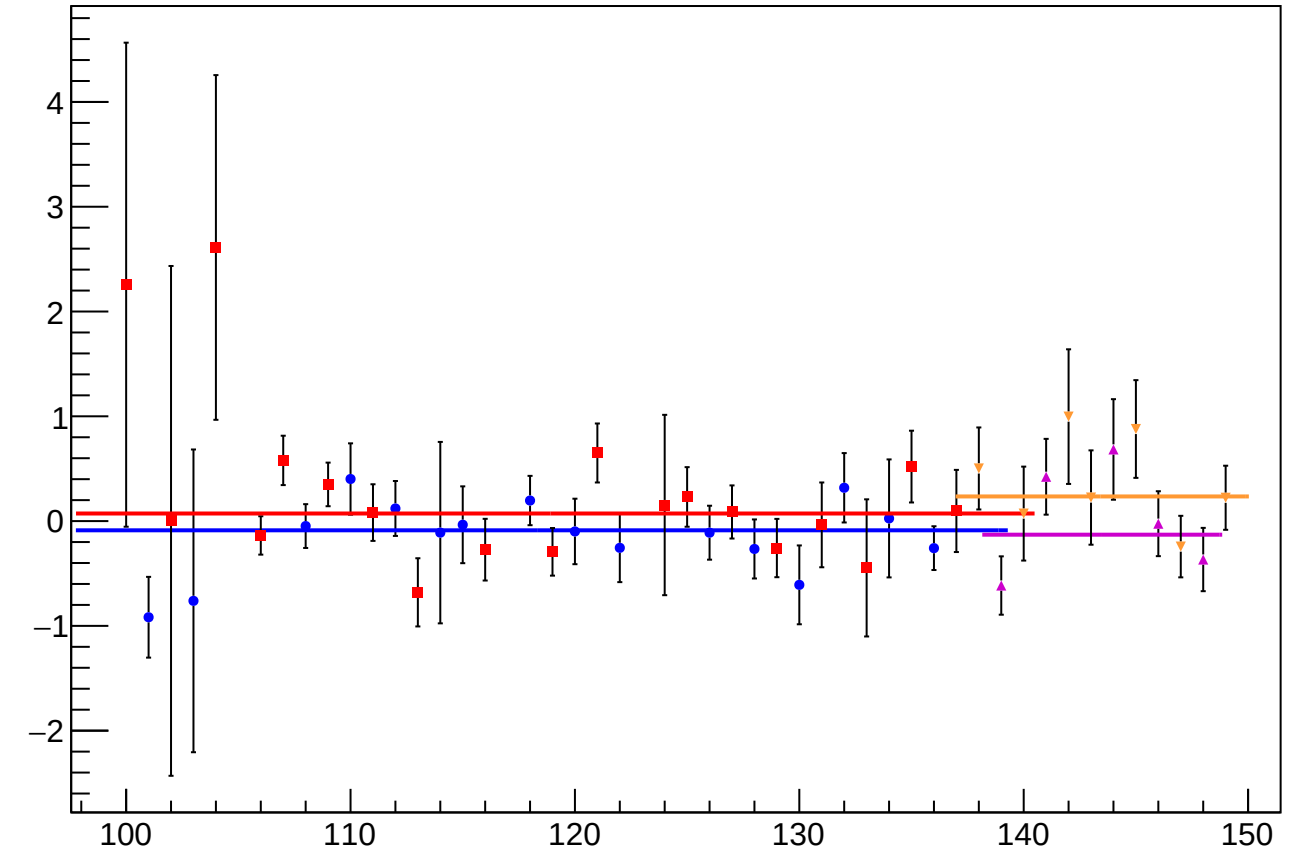
Left: 314.054+/-0.074 χ^2/NDF: 725376.7/11

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 212.575+/-0.048 χ^2/NDF:2607180.7/20

Out: 194.930+/-0.045 χ^2/NDF:5096820.2/25

All: 203.112+/-0.033 χ^2/NDF: 7776118.4/46



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.235+/-0.148 χ^2/NDF:6.6/6

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.130+/-0.147 χ^2/NDF:9.0/4

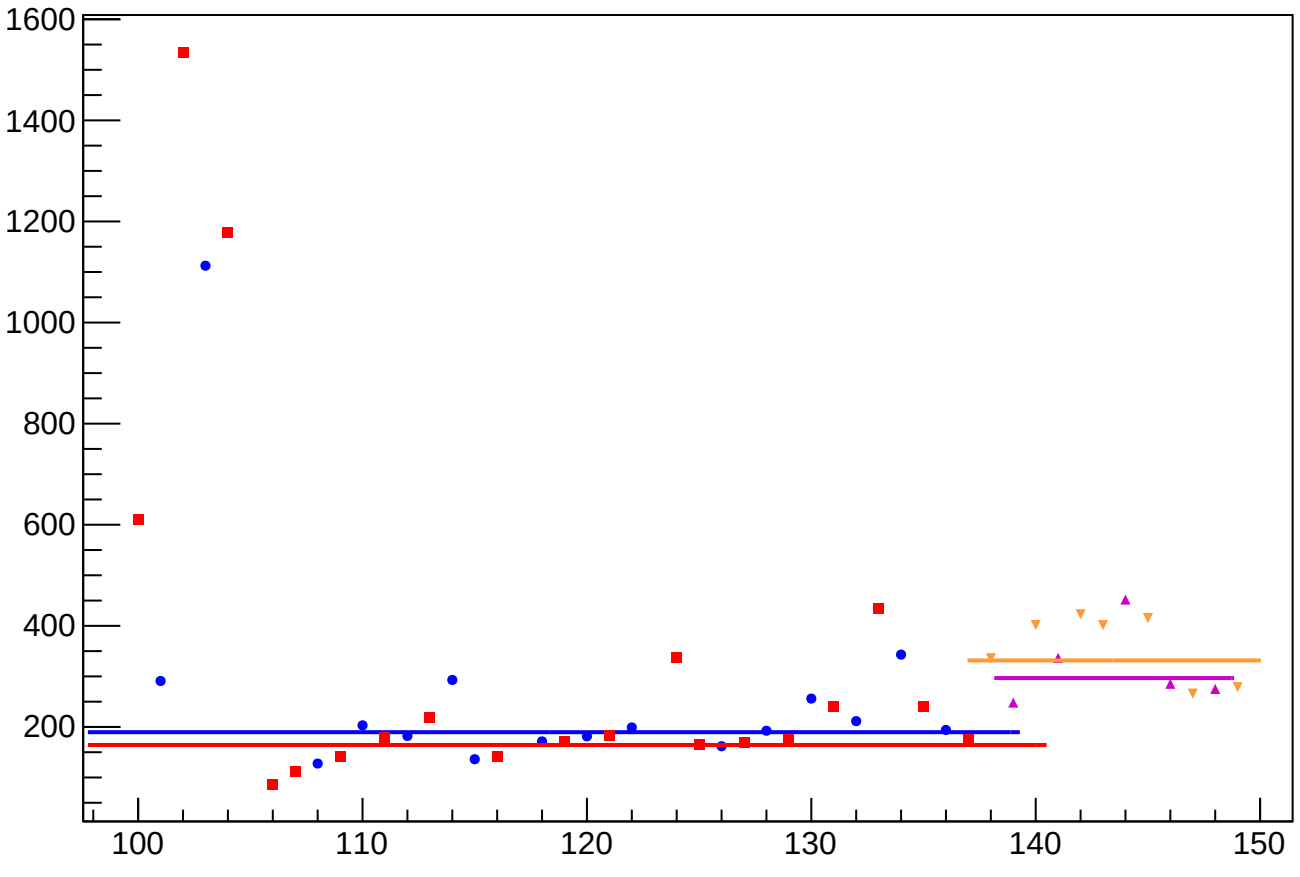
Left: 0.052+/-0.104 χ^2/NDF: 18.6/11

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.068 χ^2/NDF:22.9/20

Out: 0.102+/-0.063 χ^2/NDF:36.2/25

All: 0.010+/-0.046 χ^2/NDF: 63.7/46



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 331.558+/-0.105 χ^2/NDF:362039.2/6

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 296.742+/-0.104 χ^2/NDF:307572.5/4

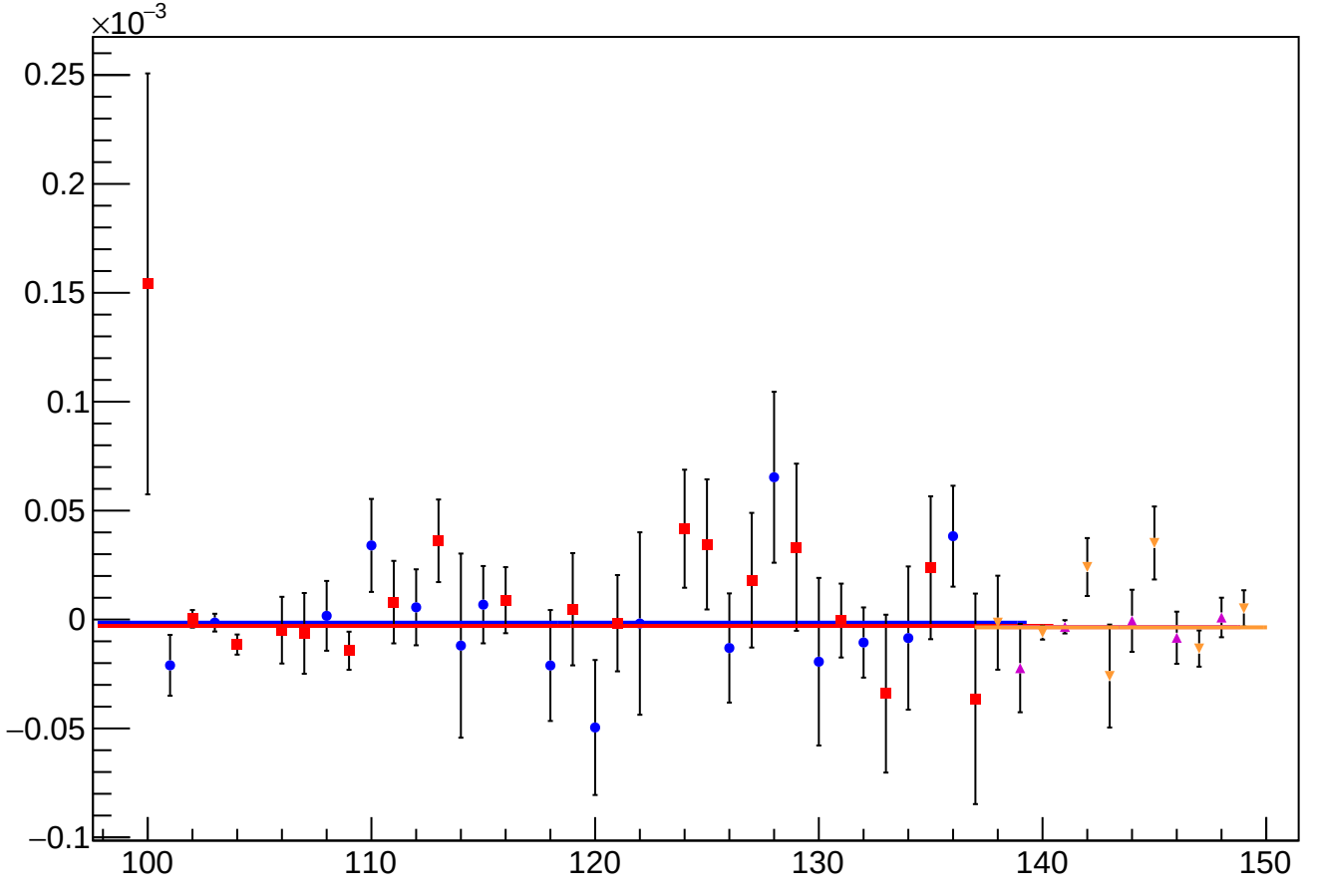
Left: 314.054+/-0.074 χ^2/NDF: 725376.7/11

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 212.575+/-0.048 χ^2/NDF:2607180.7/20

Out: 194.930+/-0.045 χ^2/NDF:5096820.2/25

All: 203.112+/-0.033 χ^2/NDF: 7776118.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

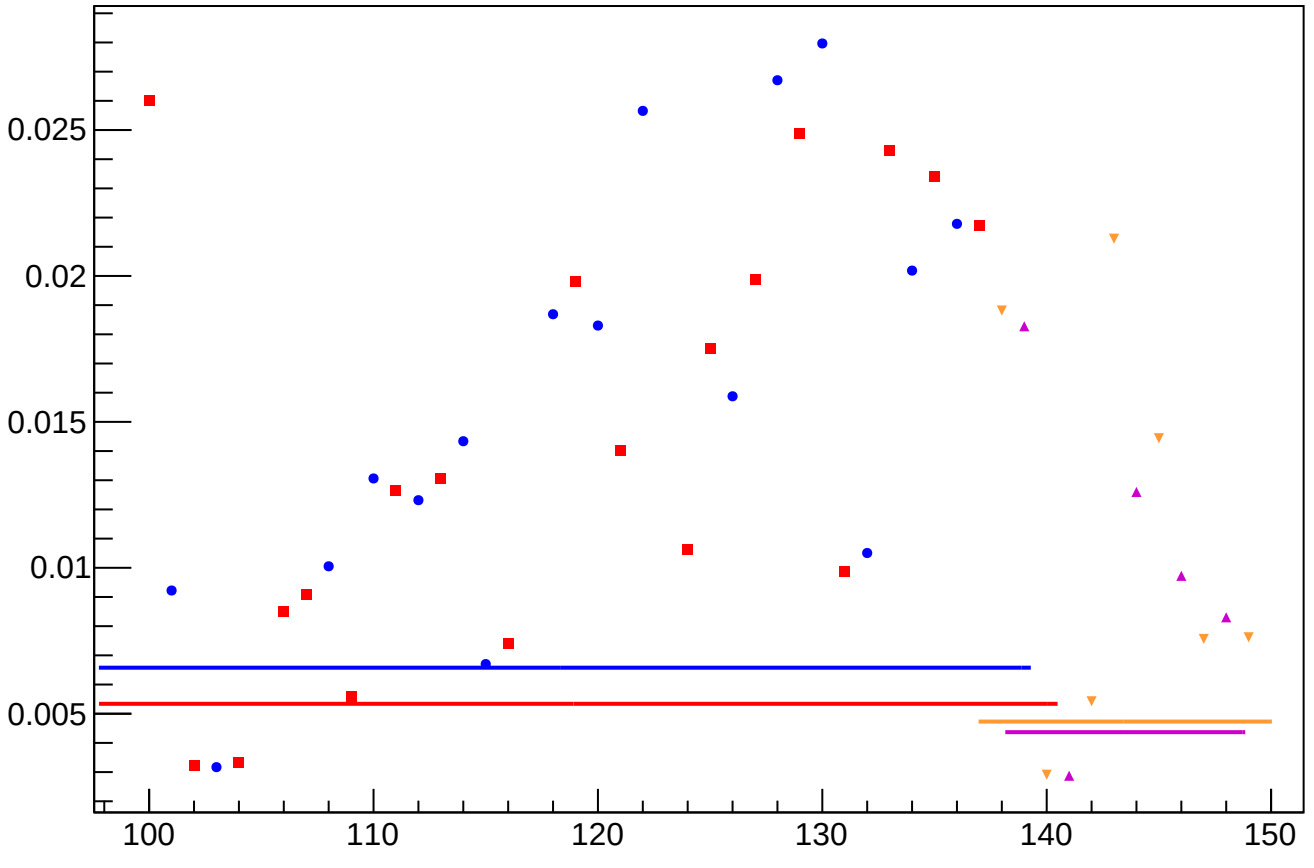
Left: -0.000+/-0.000 χ^2/NDF: 14.9/11

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:35.0/25

All: -0.000+/-0.000 χ^2/NDF: 51.4/46



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:3639759.2/6

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.004+/-0.000 χ^2/NDF:2862361.9/4

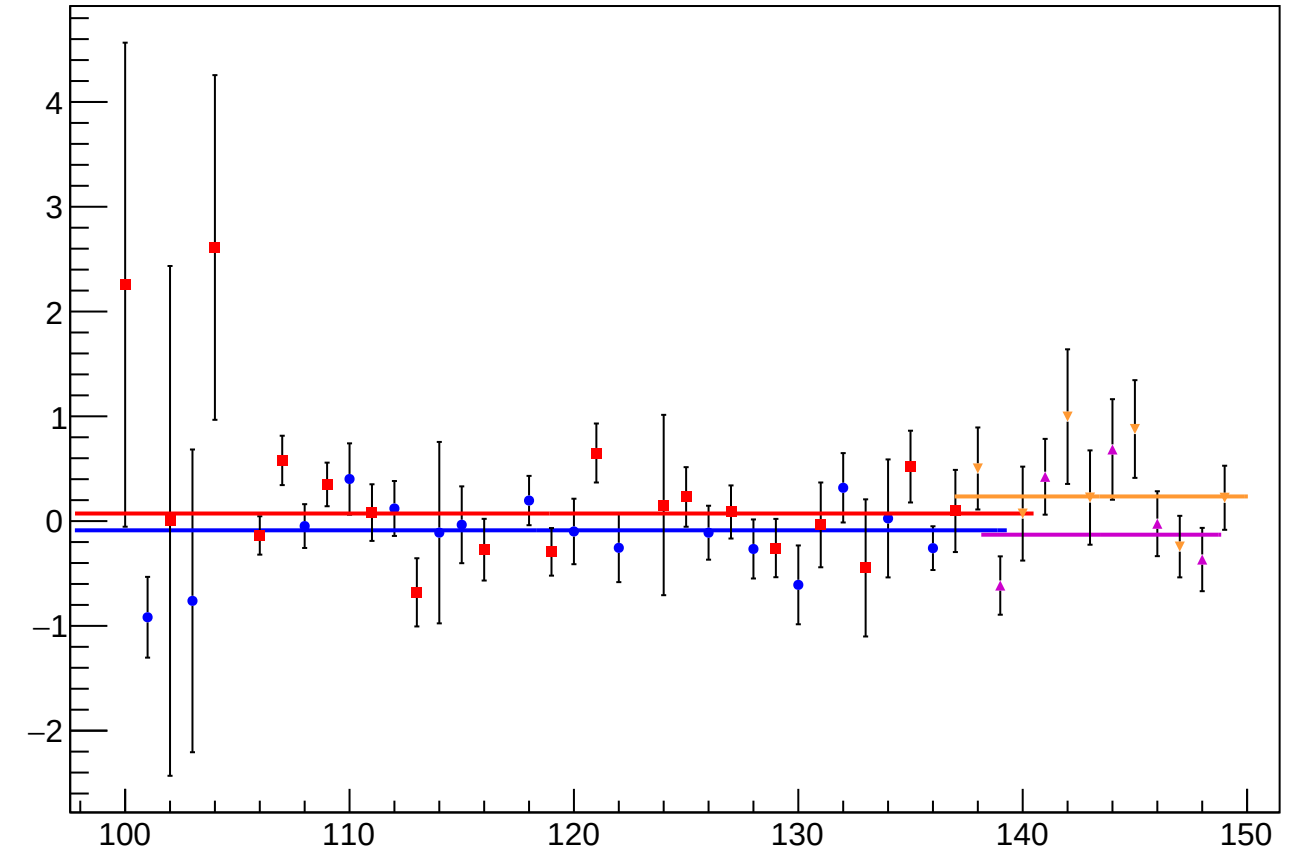
Left: 0.005+/-0.000 χ^2/NDF: 6520192.6/11

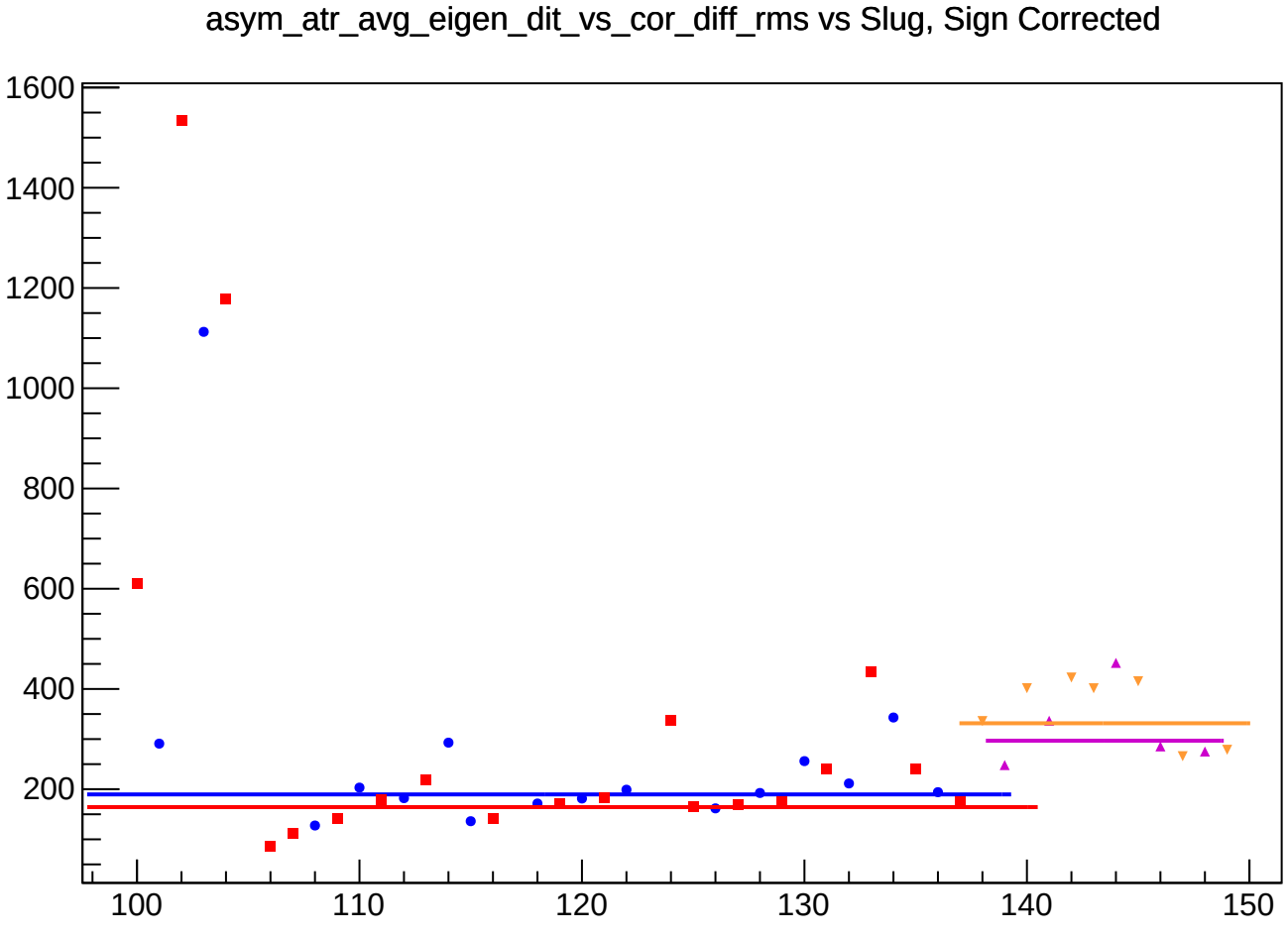
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9318778.0/20

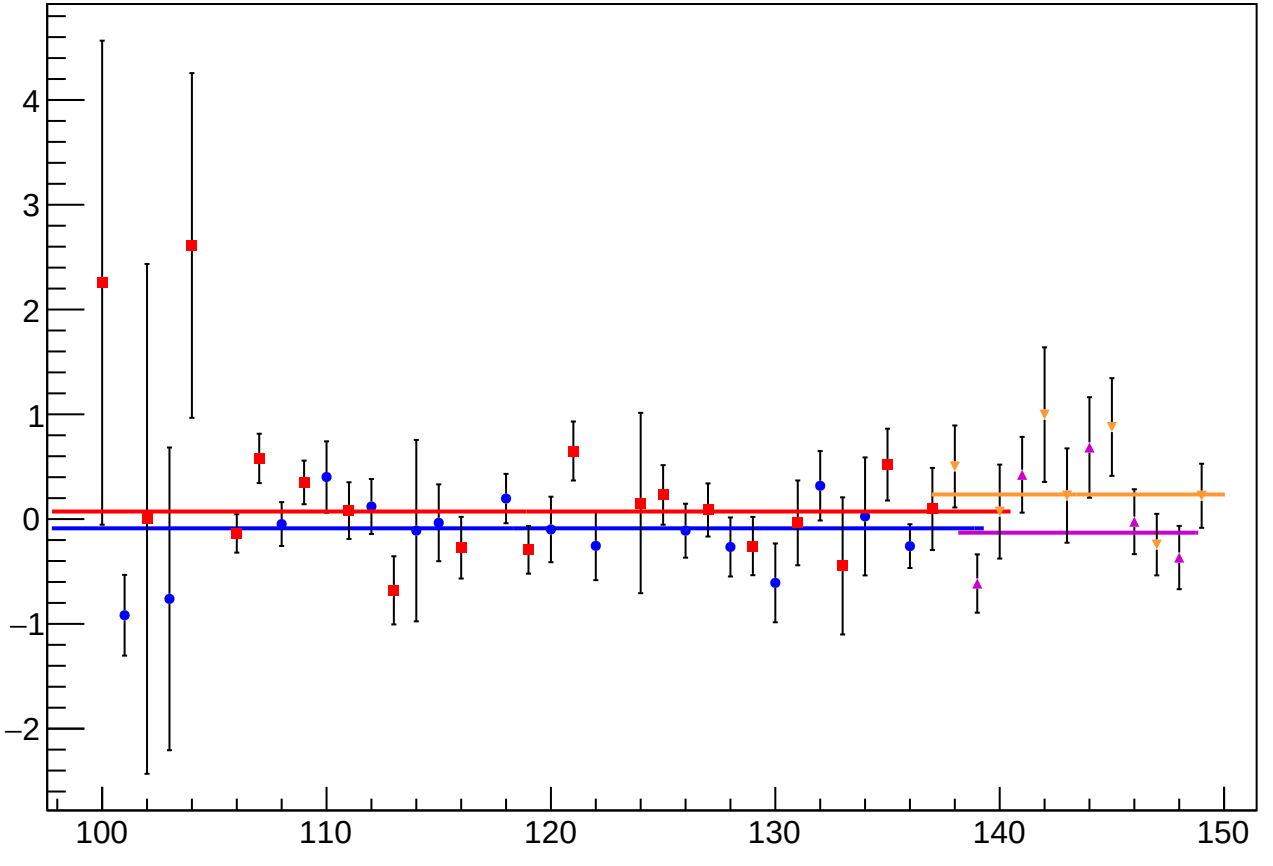
Out: 0.005+/-0.000 χ^2/NDF:9380000.3/25

All: 0.005+/-0.000 χ^2/NDF: 18710875.2/46


asym_atr_avg_eigen_dit_vs_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: 0.235+/-0.148 χ²/NDF:6.6/6
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.130+/-0.147 χ²/NDF:9.0/4
Left: 0.052+/-0.104 χ²/NDF: 18.6/11
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.097+/-0.068 χ²/NDF:22.9/20
Out: 0.102+/-0.063 χ²/NDF:36.2/25
All: 0.010+/-0.046 χ²/NDF: 63.7/46


asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 331.563+/-0.105 χ²/NDF:362024.3/6
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 296.747+/-0.104 χ²/NDF:307560.5/4
Left: 314.059+/-0.074 χ²/NDF: 725350.1/11
Right: 175.793+/-0.037 χ²/NDF: 4227906.3/34
In: 212.575+/-0.048 χ²/NDF:2607218.5/20
Out: 194.929+/-0.045 χ²/NDF:5096880.2/25
All: 203.111+/-0.033 χ²/NDF: 7776219.7/46

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.235+/-0.148 χ^2/NDF:6.6/6

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: 0.052+/-0.104 χ^2/NDF: 18.6/11

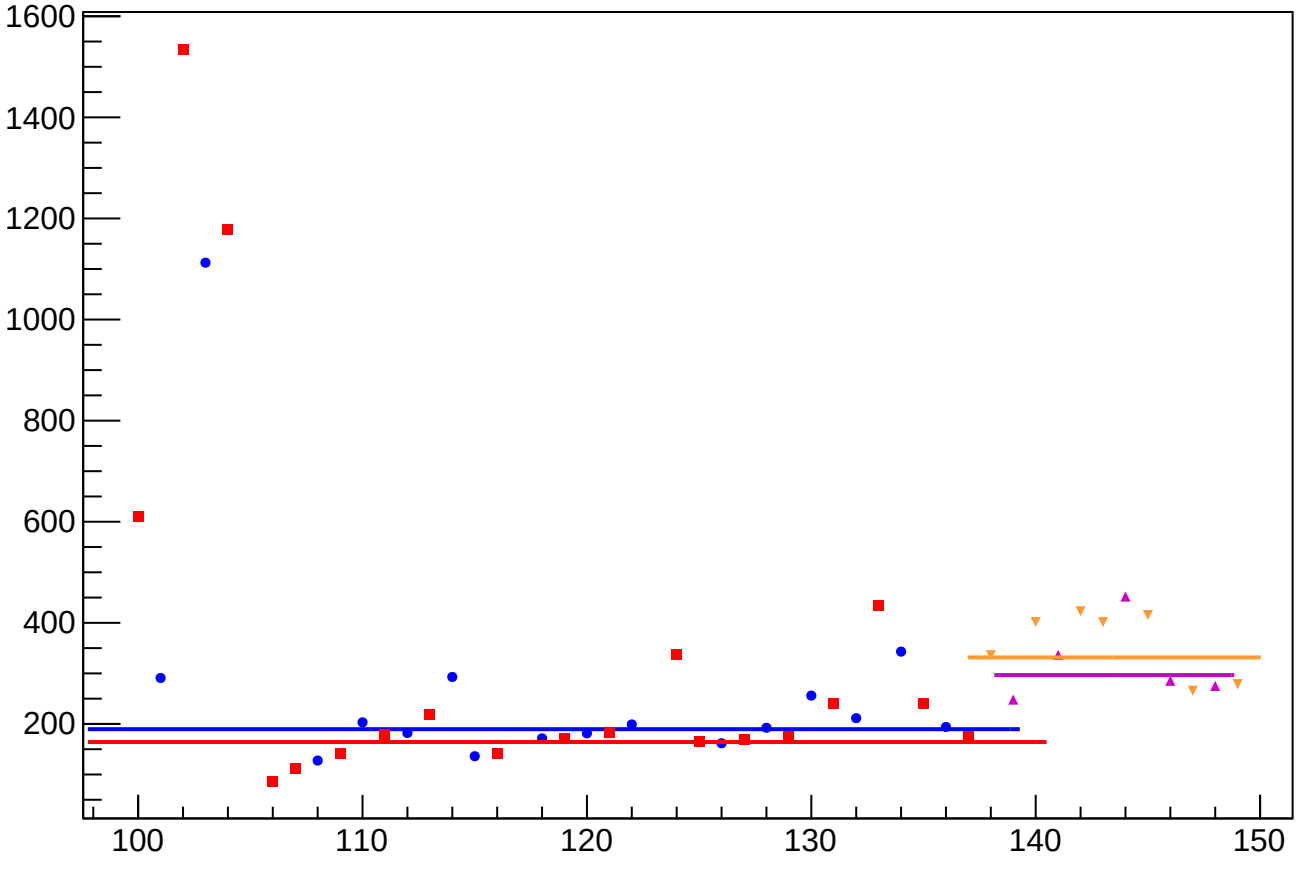
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.068 χ^2/NDF:22.9/20

Out: 0.102+/-0.063 χ^2/NDF:36.2/25

All: 0.010+/-0.046 χ^2/NDF: 63.7/46

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: 331.563+/-0.105 χ^2/NDF:362024.3/6

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 296.747+/-0.104 χ^2/NDF:307560.5/4

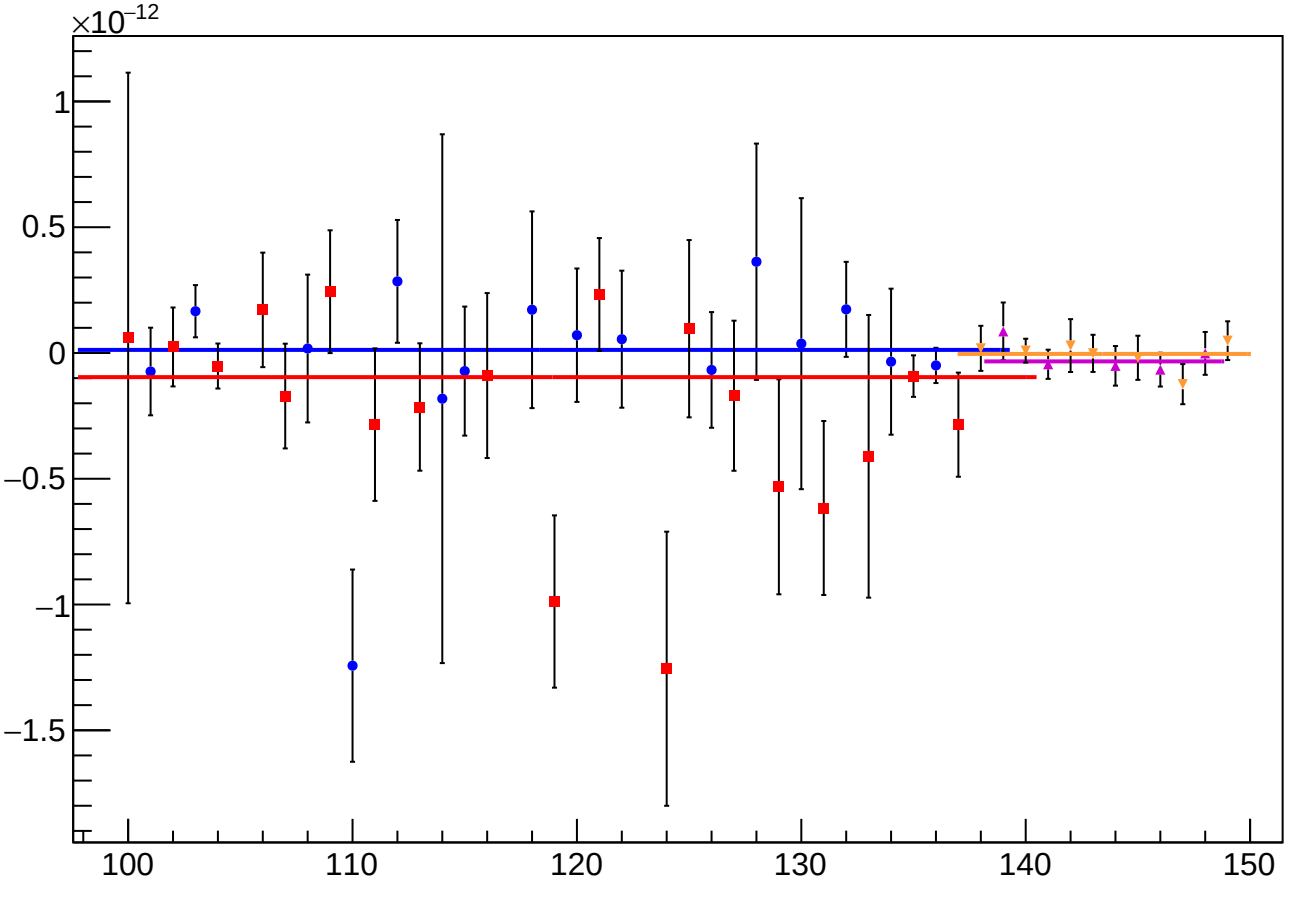
Left: 314.059+/-0.074 χ^2/NDF: 725350.1/11

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 212.575+/-0.048 χ^2/NDF:2607218.5/20

Out: 194.929+/-0.045 χ^2/NDF:5096880.2/25

All: 203.111+/-0.033 χ^2/NDF: 7776219.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

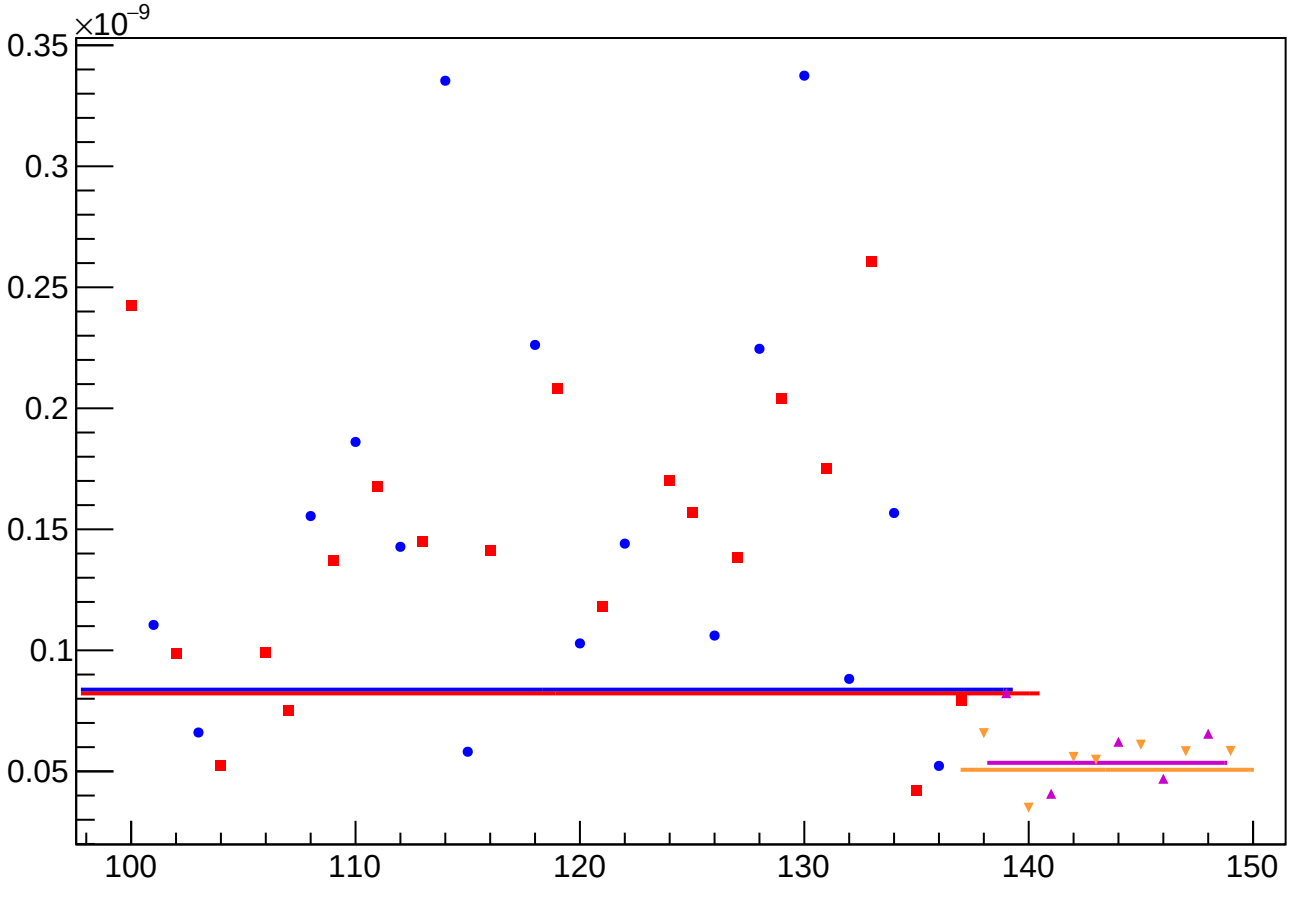
Left: -0.000+/-0.000 χ^2/NDF: 5.0/11

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:29.2/25

All: -0.000+/-0.000 χ^2/NDF: 48.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:353921.7/6

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: 669113.8/11

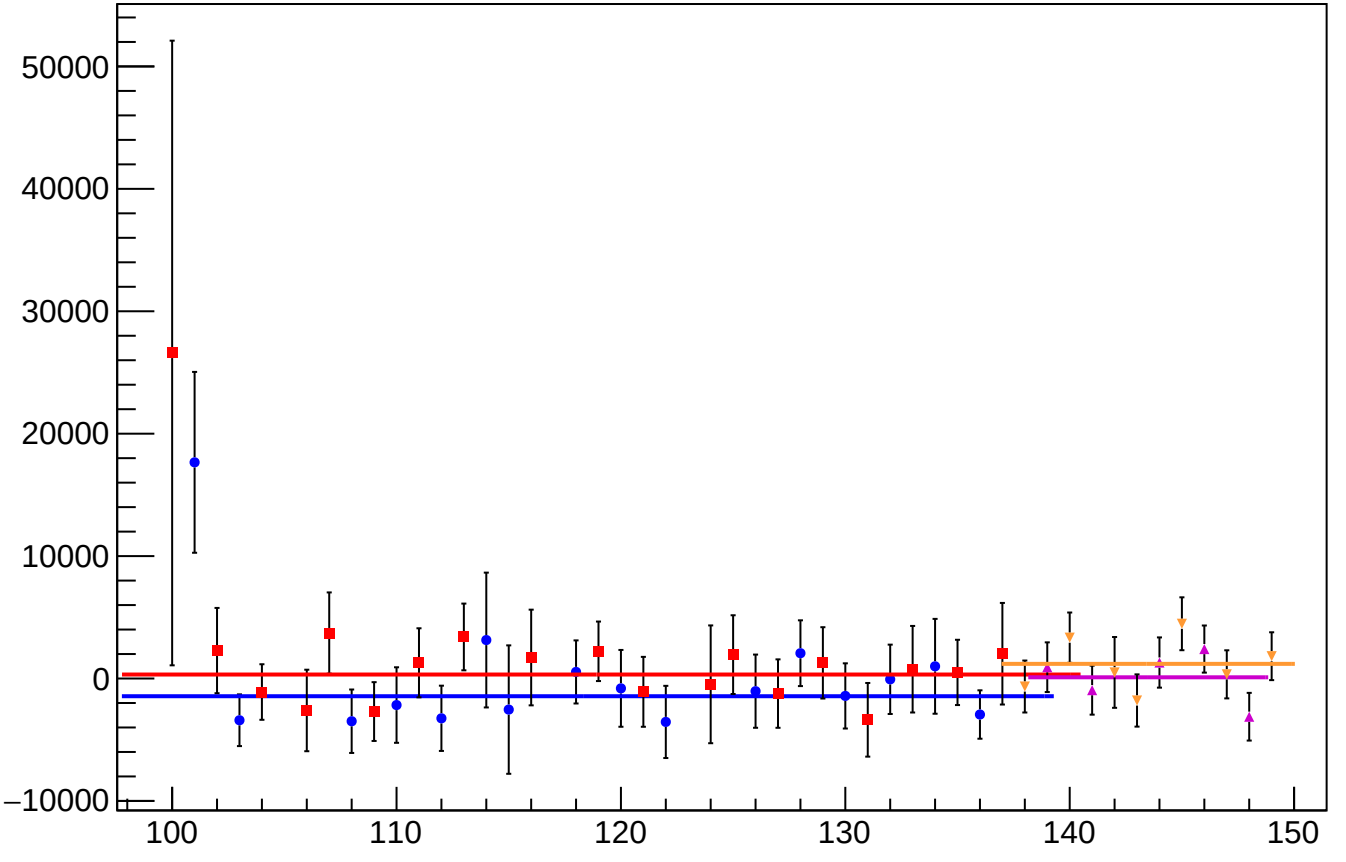
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2987370.2/20

Out: 0.000+/-0.000 χ^2/NDF:3344190.0/25

All: 0.000+/-0.000 χ^2/NDF: 6365968.5/46

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1196.849+/-807.487 χ^2/NDF:6.5/6

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: 700.963+/-597.911 χ^2/NDF: 12.3/11

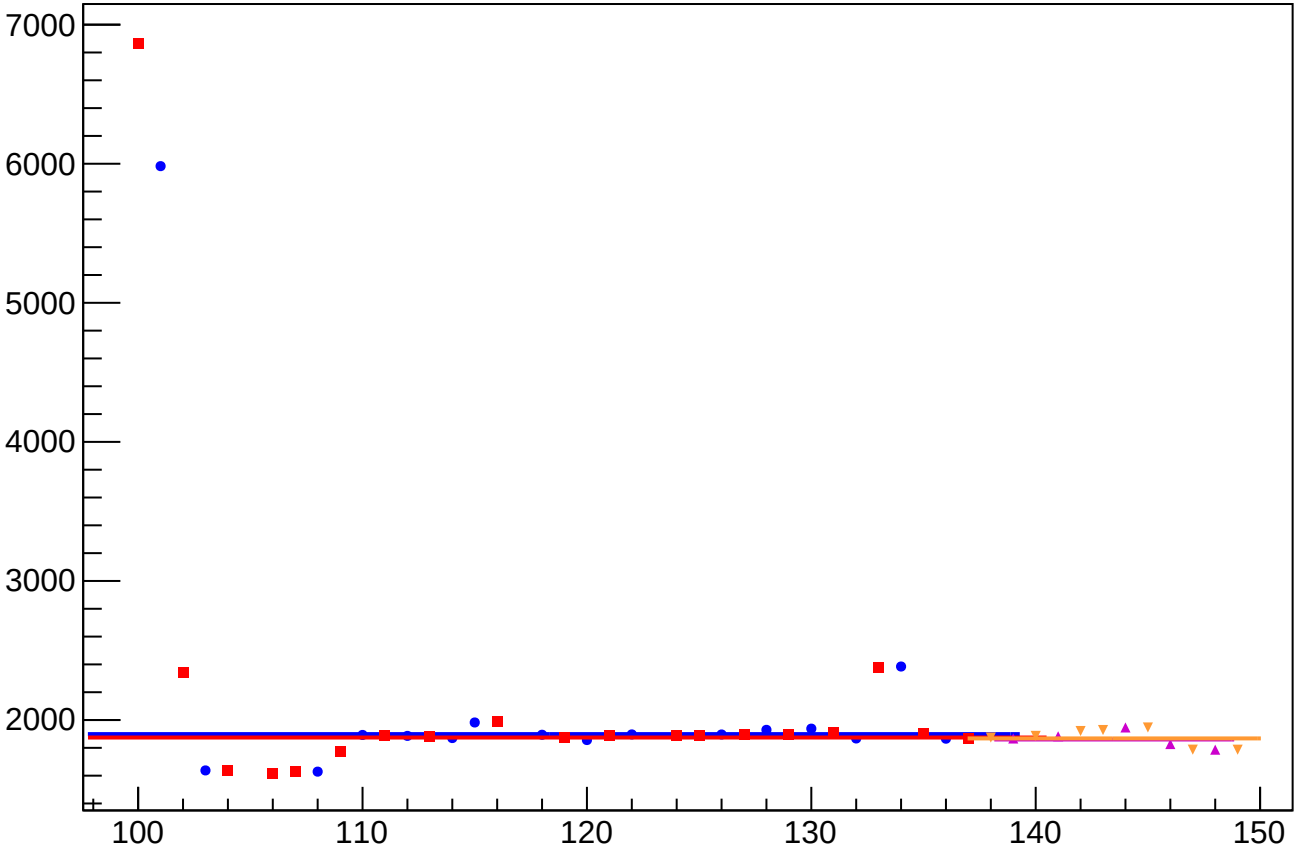
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -831.599+/-561.138 χ^2/NDF:20.3/20

Out: 701.205+/-530.064 χ^2/NDF:17.1/25

All: -21.583+/-385.329 χ^2/NDF: 41.3/46

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1867.799+/-0.571 χ^2/NDF:11927.7/6

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

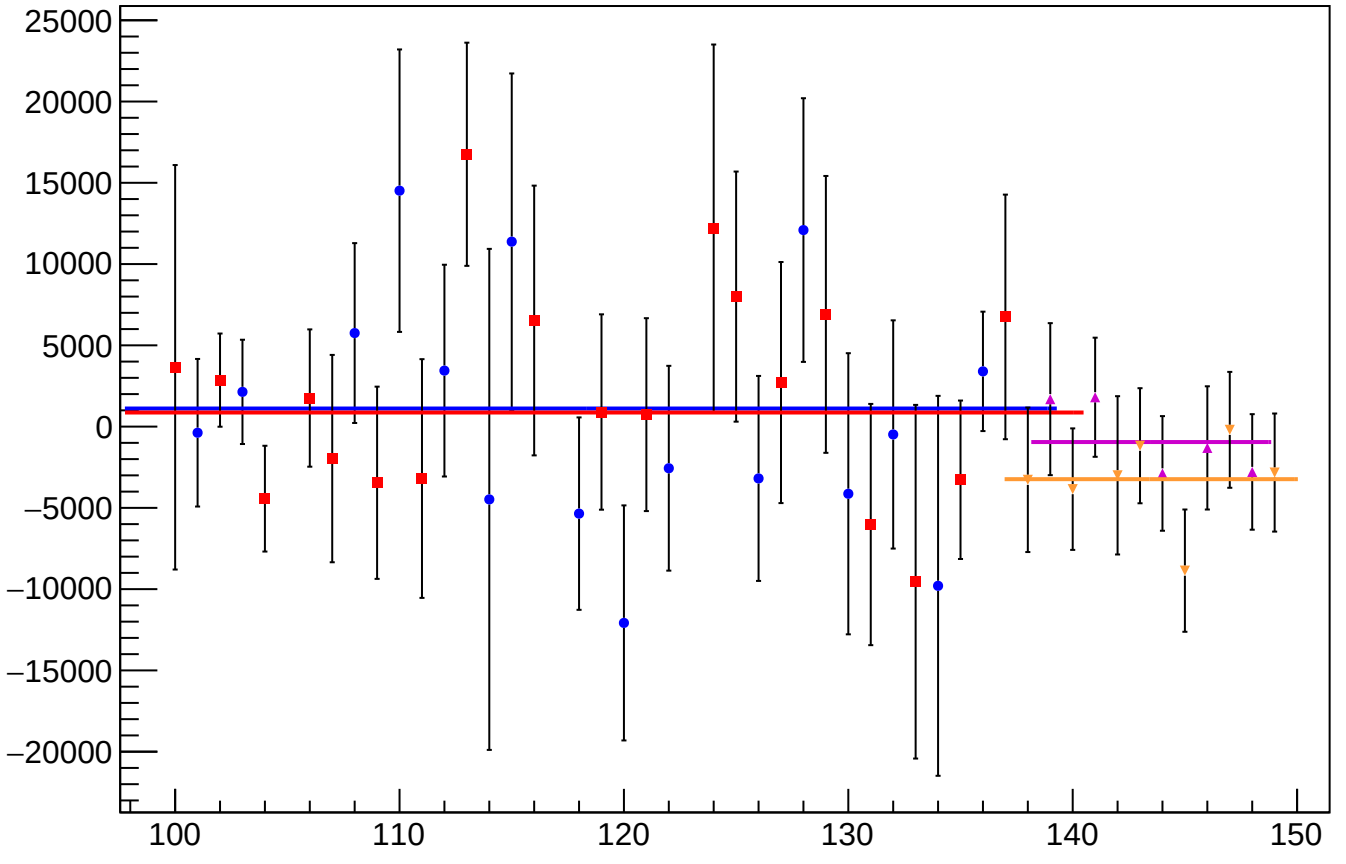
Left: 1864.300+/-0.423 χ^2/NDF: 19262.0/11

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1883.400+/-0.397 χ^2/NDF:707052.9/20

Out: 1871.481+/-0.374 χ^2/NDF:219658.3/25

All: 1877.090+/-0.272 χ^2/NDF: 927188.9/46



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3234.064+/-1459.740 χ^2/NDF:3.3/6

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -949.980+/-1691.834 χ^2/NDF:1.5/4

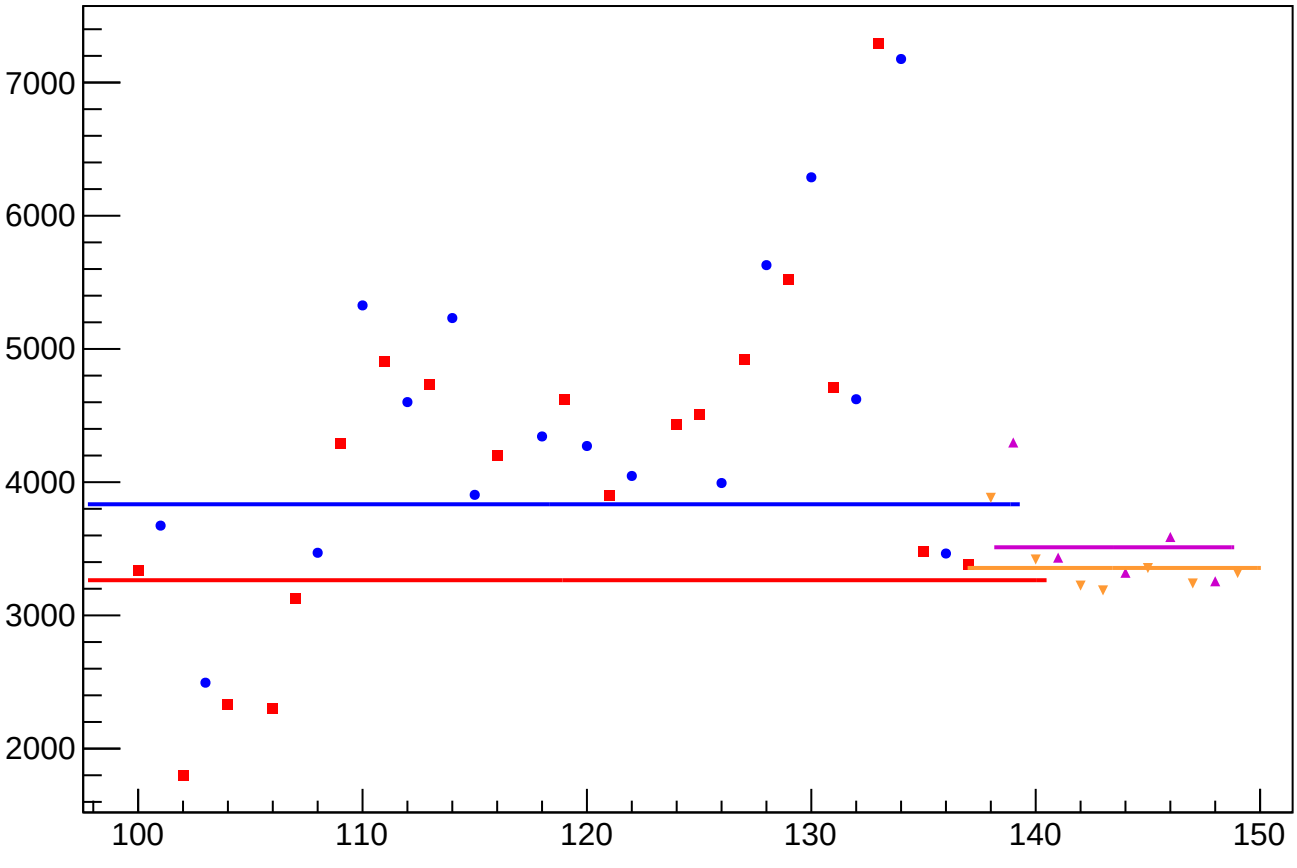
Left: -2259.323+/-1105.214 χ^2/NDF: 5.8/11

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 219.012+/-1113.616 χ^2/NDF:15.7/20

Out: -958.177+/-973.819 χ^2/NDF:23.3/25

All: -448.068+/-733.067 χ^2/NDF: 39.7/46



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3356.154+/-1.032 χ^2/NDF:37018.8/6

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3511.301+/-1.196 χ^2/NDF:74509.1/4

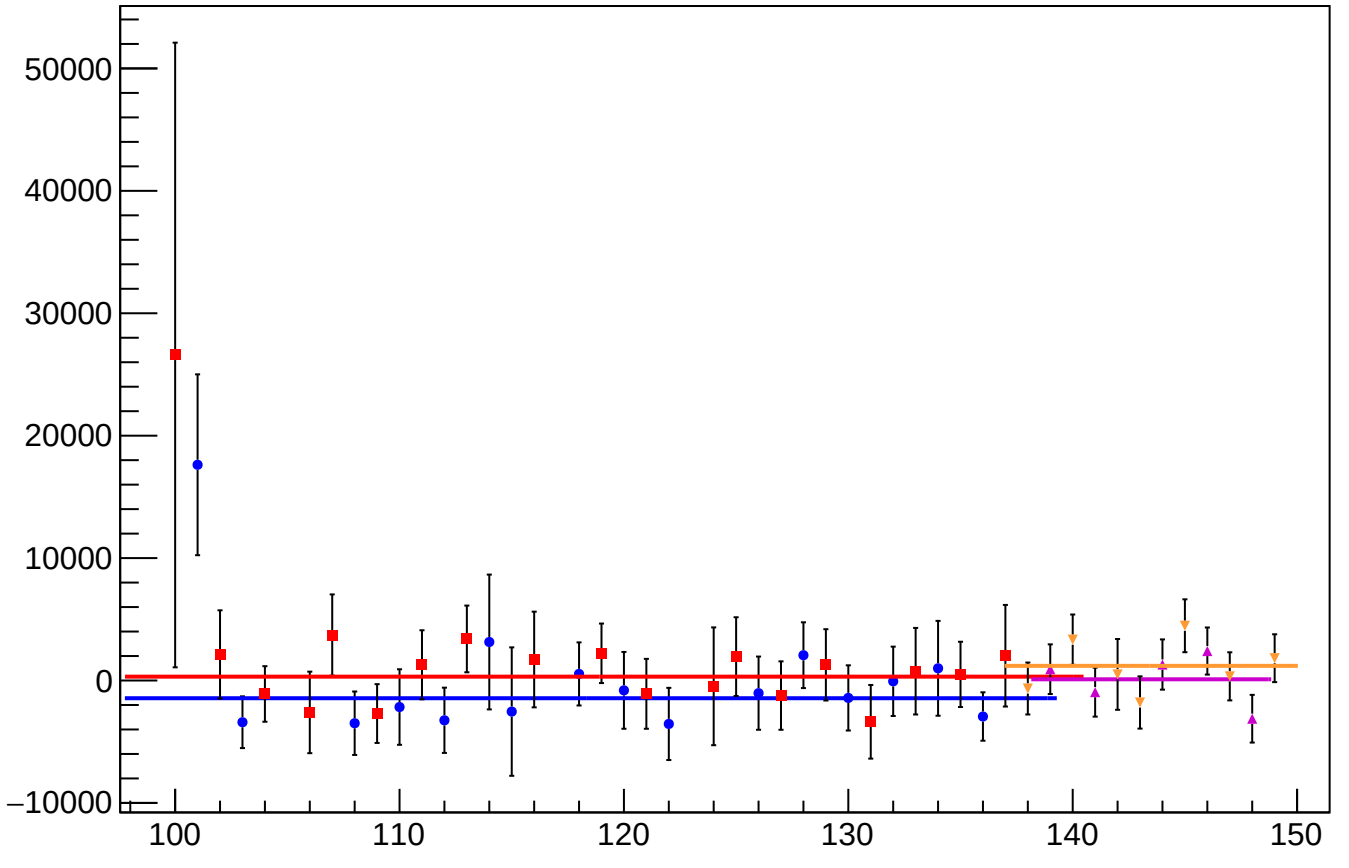
Left: 3422.363+/-0.782 χ^2/NDF: 121169.4/11

Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3694.278+/-0.787 χ^2/NDF:1072563.8/20

Out: 3305.074+/-0.689 χ^2/NDF:1905673.0/25

All: 3473.727+/-0.518 χ^2/NDF: 3116671.8/46



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1196.825+/-807.487 χ^2/NDF:6.5/6

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: 700.887+/-597.911 χ^2/NDF: 12.3/11

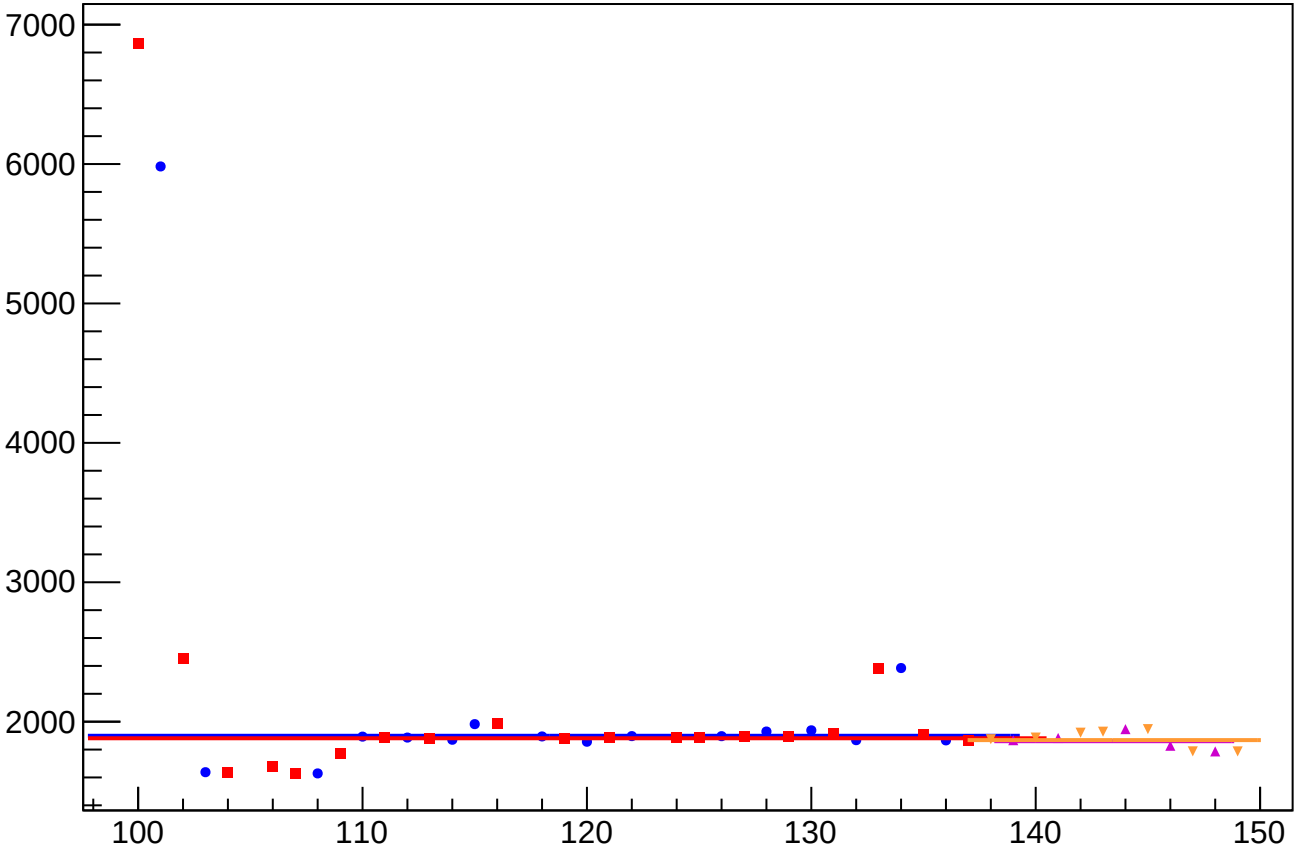
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -831.887+/-561.138 χ^2/NDF:20.3/20

Out: 695.833+/-530.471 χ^2/NDF:17.0/25

All: -25.142+/-385.485 χ^2/NDF: 41.2/46

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1867.799+/-0.571 χ^2/NDF:11927.7/6

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1860.054+/-0.629 χ^2/NDF:7251.2/4

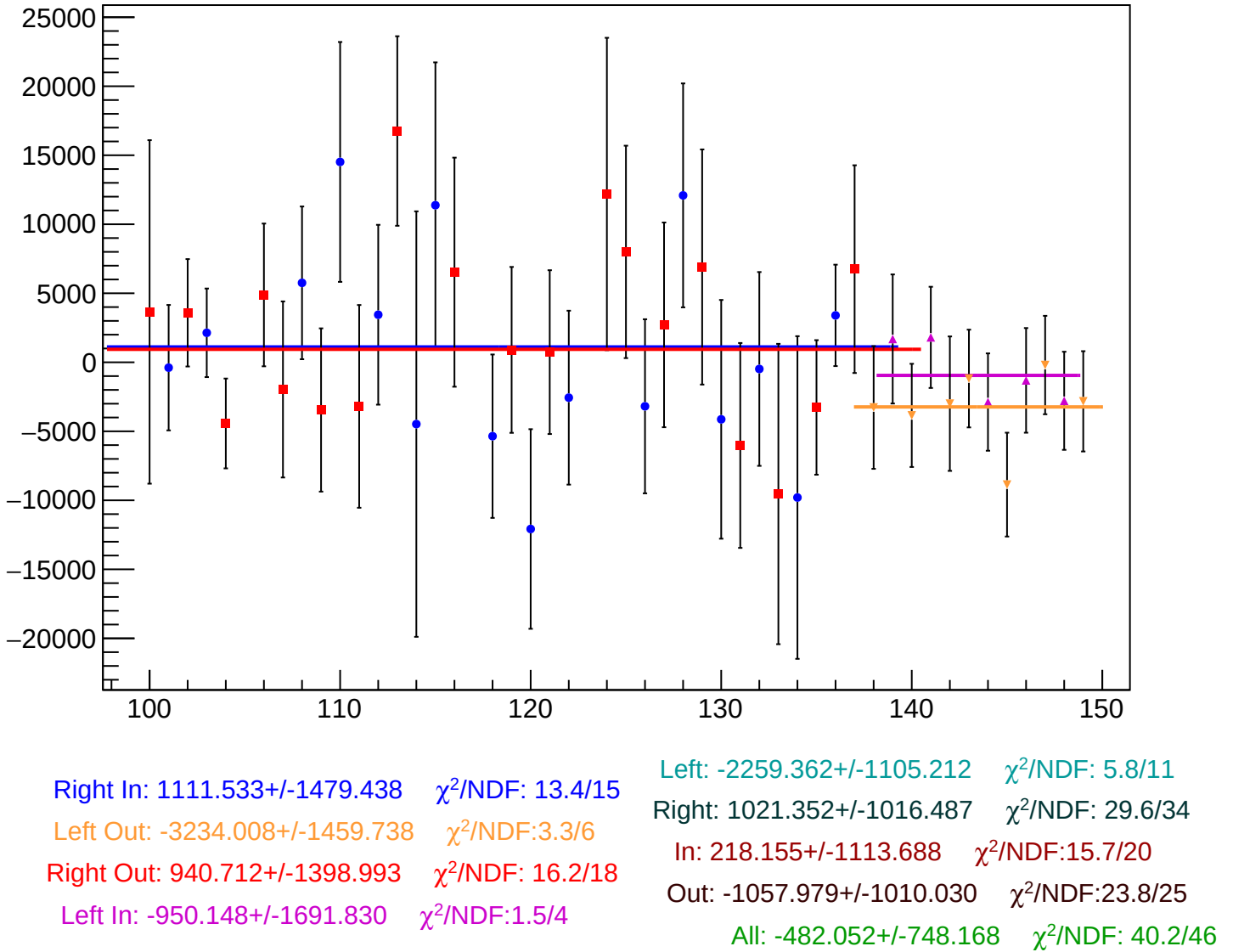
Left: 1864.300+/-0.423 χ^2/NDF: 19262.0/11

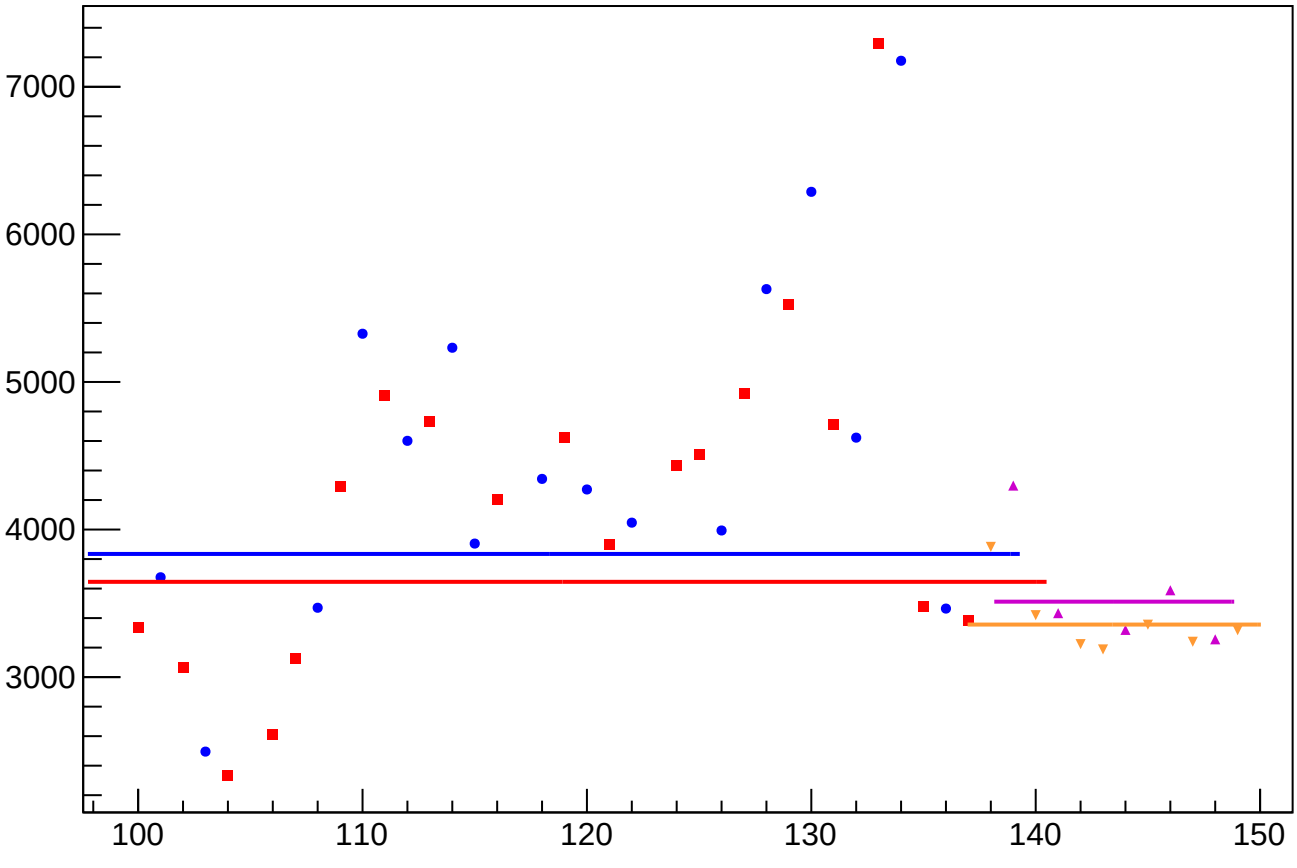
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1883.400+/-0.397 χ^2/NDF:707053.1/20

Out: 1875.316+/-0.375 χ^2/NDF:228796.6/25

All: 1879.128+/-0.272 χ^2/NDF: 936069.0/46


asym_atr_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: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -3234.008+/-1459.738 χ²/NDF:3.3/6
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -950.148+/-1691.830 χ²/NDF:1.5/4
Left: -2259.362+/-1105.212 χ²/NDF: 5.8/11
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 218.155+/-1113.688 χ²/NDF:15.7/20
Out: -1057.979+/-1010.030 χ²/NDF:23.8/25
All: -482.052+/-748.168 χ²/NDF: 40.2/46



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3356.149+/-1.032 χ^2/NDF:37020.5/6

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3511.293+/-1.196 χ^2/NDF:74508.1/4

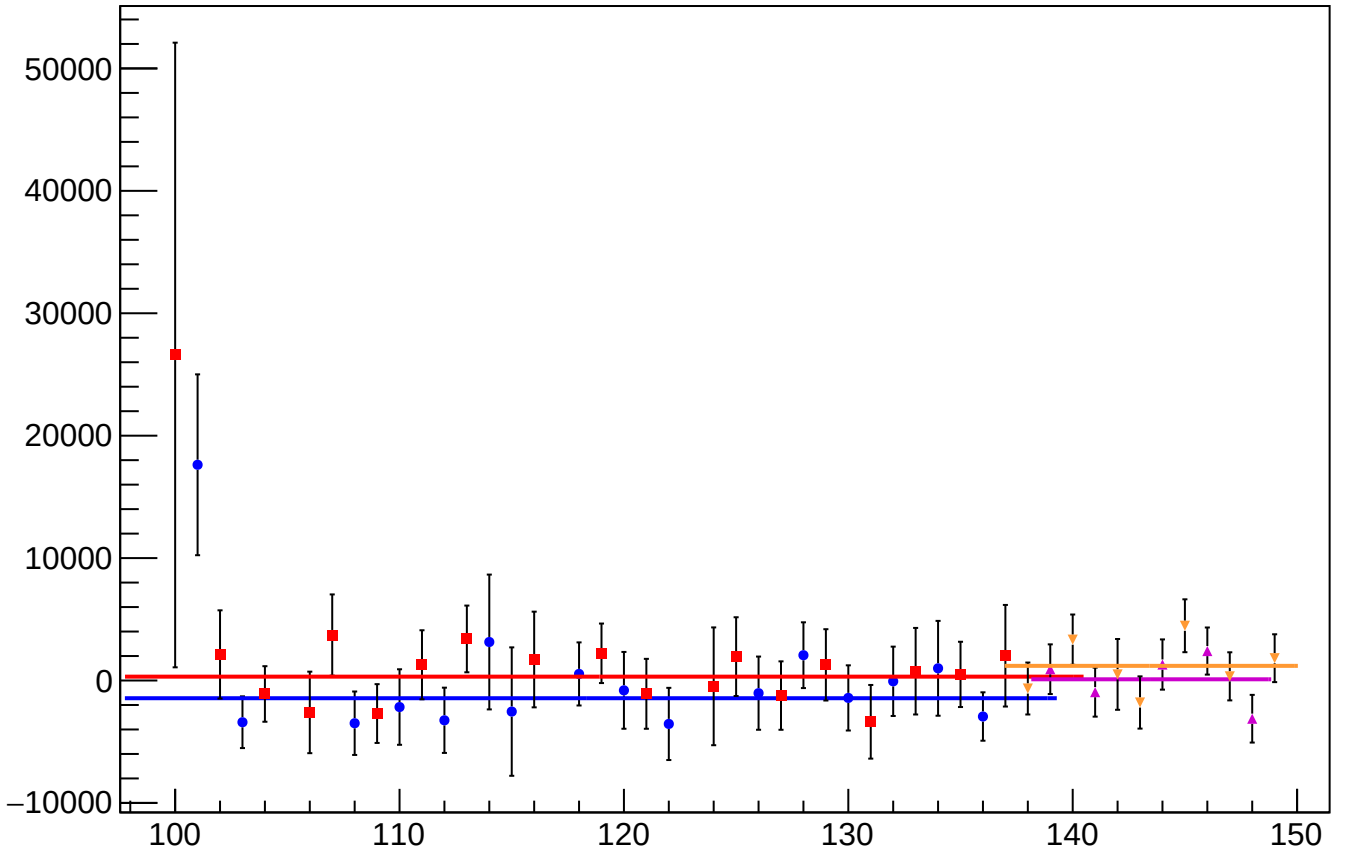
Left: 3422.358+/-0.782 χ^2/NDF: 121169.7/11

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3694.554+/-0.787 χ^2/NDF:1072231.9/20

Out: 3507.069+/-0.714 χ^2/NDF:1203016.1/25

All: 3591.682+/-0.529 χ^2/NDF: 2306348.3/46



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1196.825+/-807.487 χ^2/NDF:6.5/6

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: 700.887+/-597.911 χ^2/NDF: 12.3/11

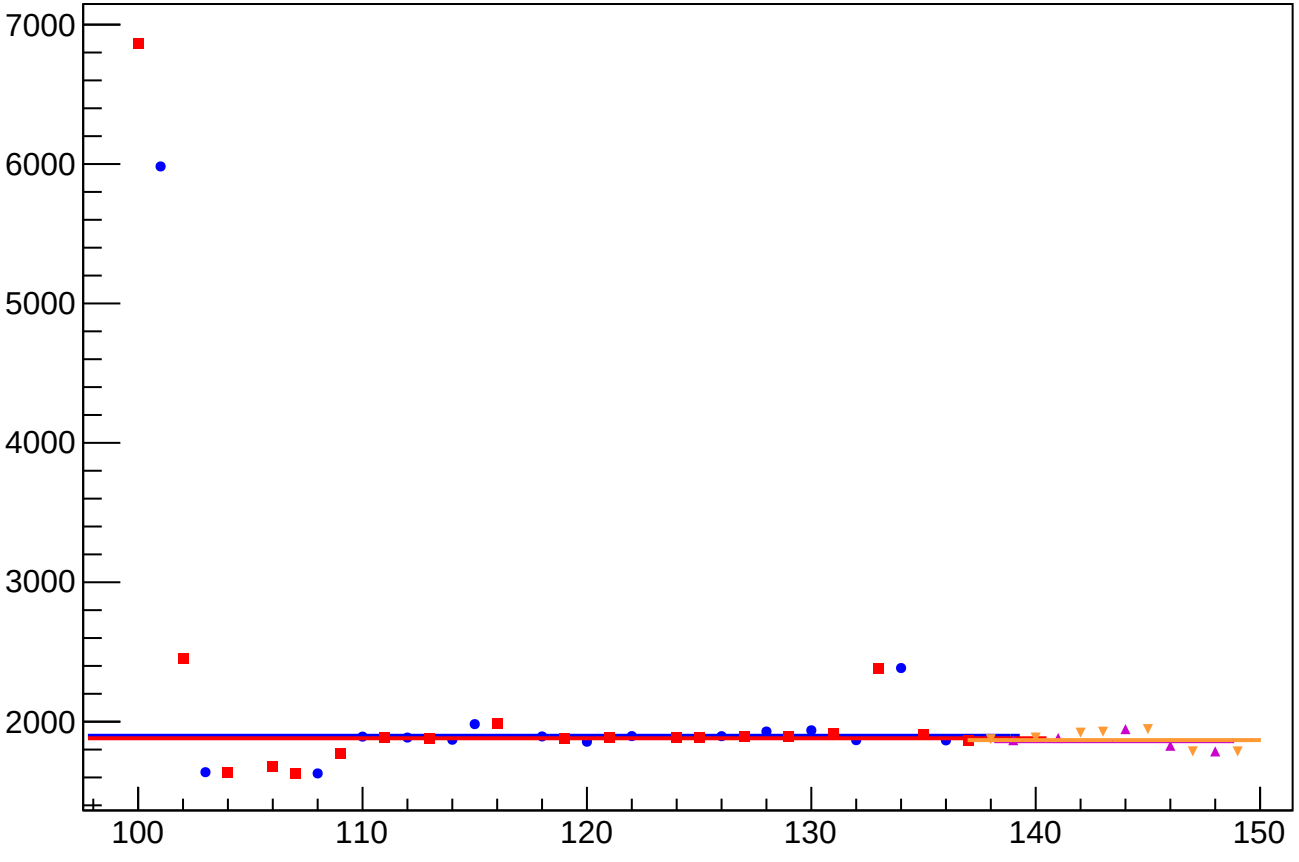
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -831.887+/-561.138 χ^2/NDF:20.3/20

Out: 695.833+/-530.471 χ^2/NDF:17.0/25

All: -25.142+/-385.485 χ^2/NDF: 41.2/46

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1867.799+/-0.571 χ^2/NDF:11927.7/6

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: 1864.300+/-0.423 χ^2/NDF: 19262.0/11

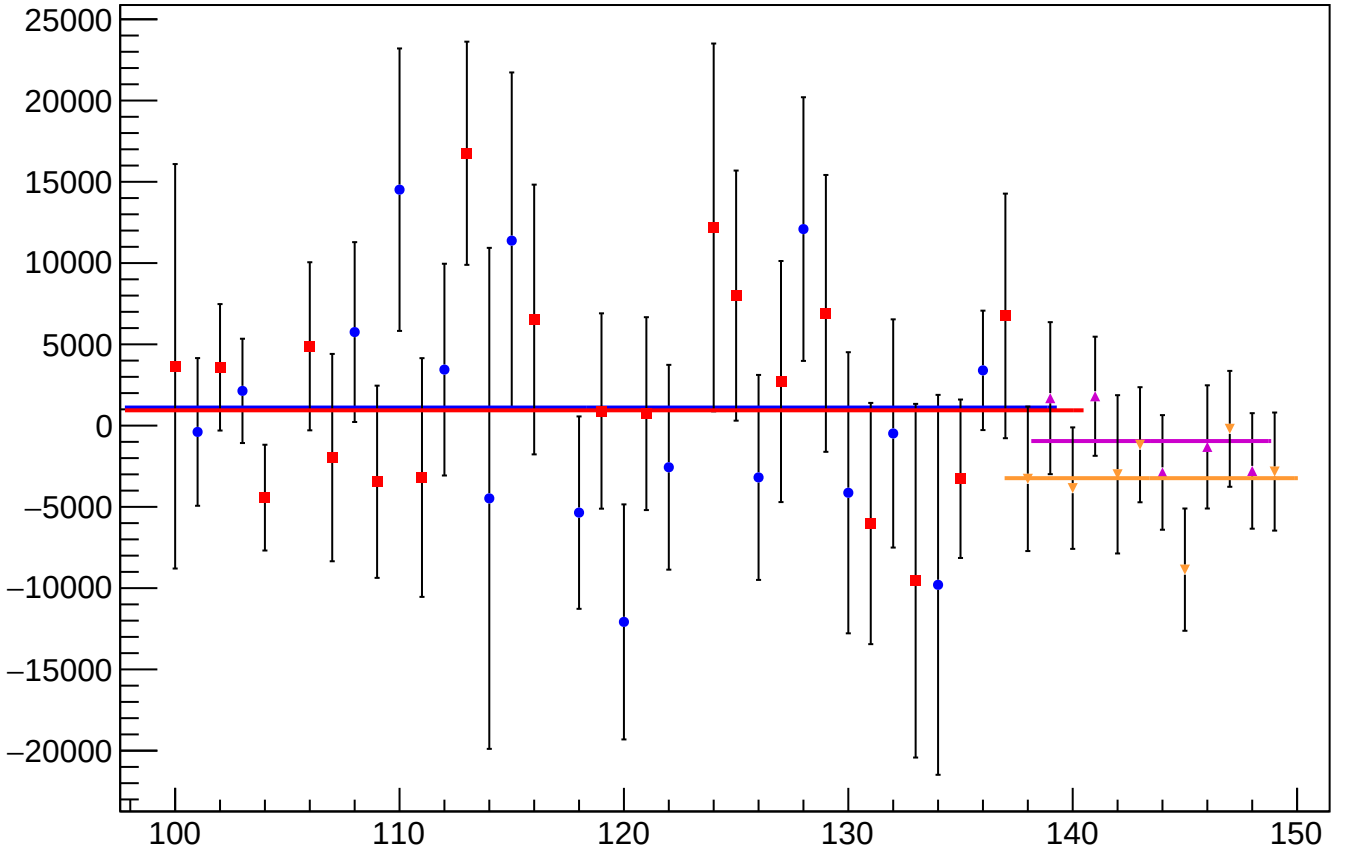
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1883.400+/-0.397 χ^2/NDF:707053.1/20

Out: 1875.316+/-0.375 χ^2/NDF:228796.6/25

All: 1879.128+/-0.272 χ^2/NDF: 936069.0/46

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3234.008+/-1459.738 χ^2/NDF:3.3/6

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -950.148+/-1691.830 χ^2/NDF:1.5/4

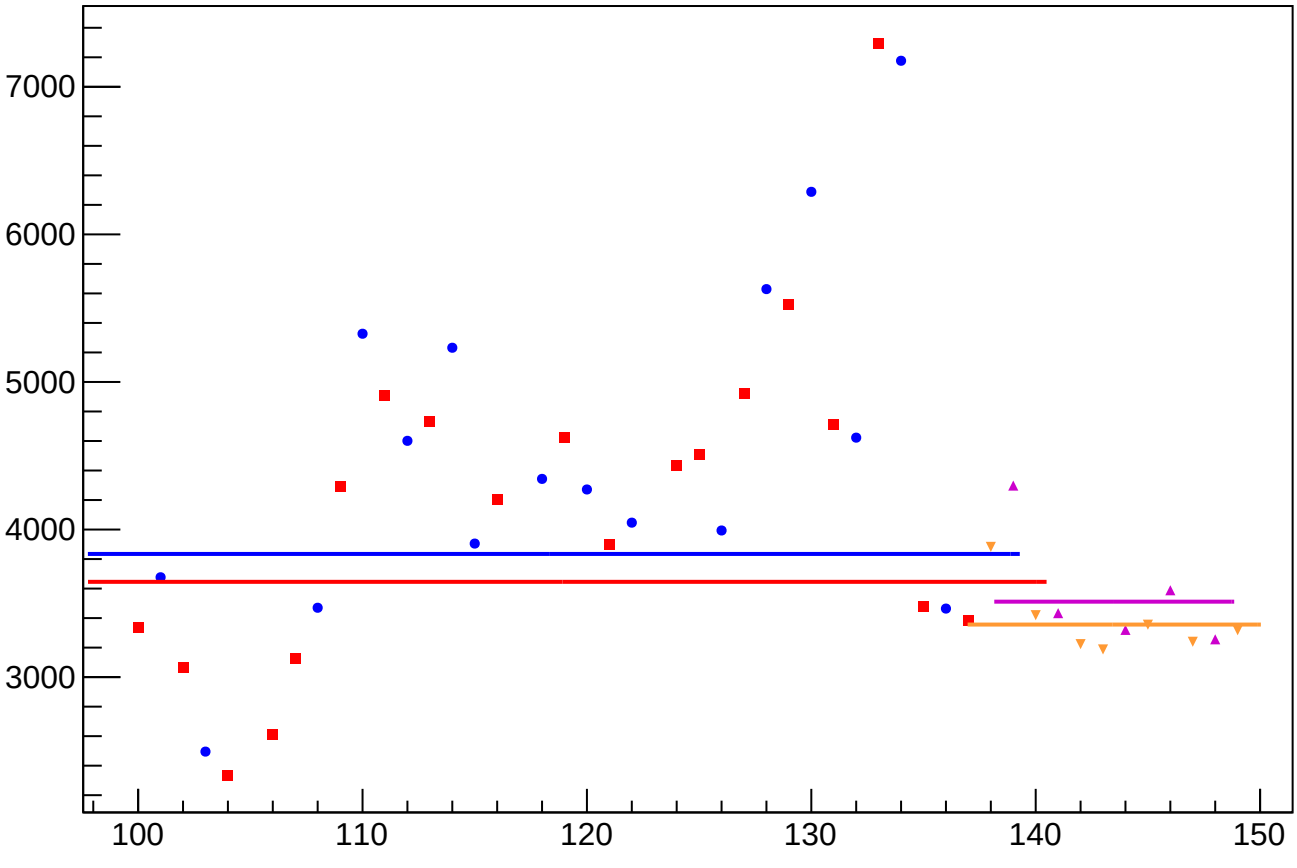
Left: -2259.362+/-1105.212 χ^2/NDF: 5.8/11

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 218.155+/-1113.688 χ^2/NDF:15.7/20

Out: -1057.979+/-1010.030 χ^2/NDF:23.8/25

All: -482.052+/-748.168 χ^2/NDF: 40.2/46



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3356.149+/-1.032 χ^2/NDF:37020.5/6

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: 3422.358+/-0.782 χ^2/NDF: 121169.7/11

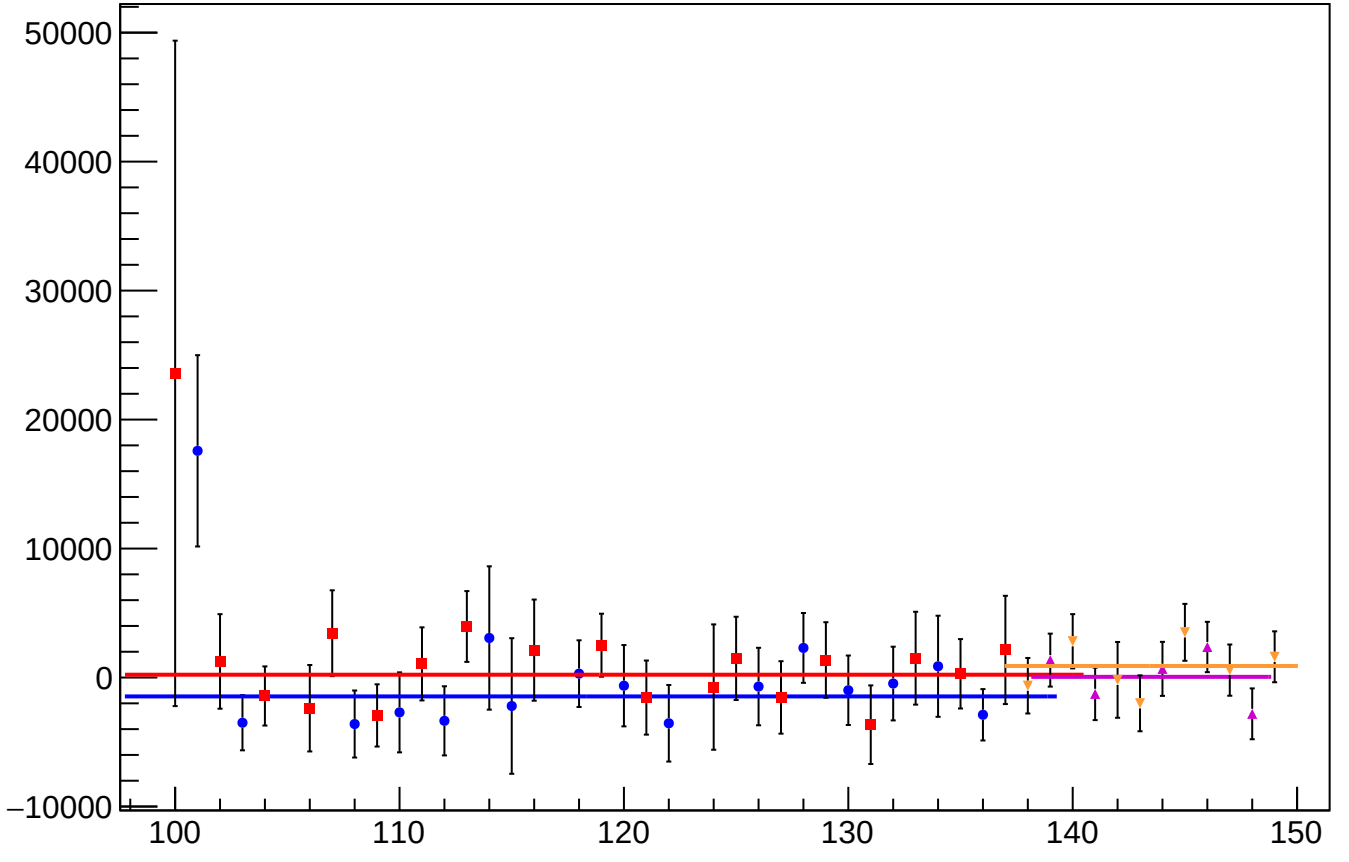
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3694.554+/-0.787 χ^2/NDF:1072231.9/20

Out: 3507.069+/-0.714 χ^2/NDF:1203016.1/25

All: 3591.682+/-0.529 χ^2/NDF: 2306348.3/46

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 896.296+/-820.188 χ^2/NDF:4.8/6

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: 515.390+/-607.064 χ^2/NDF: 9.7/11

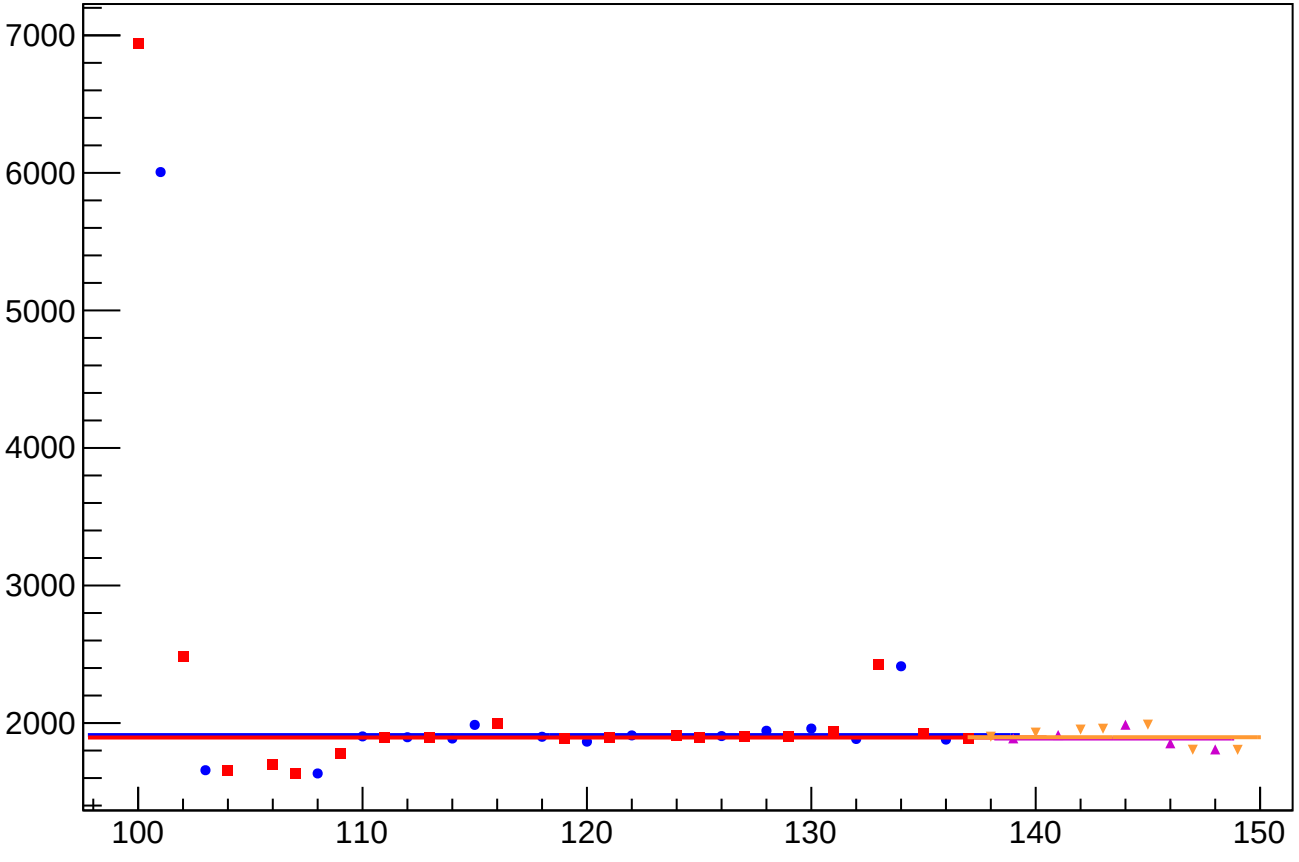
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -864.785+/-566.829 χ^2/NDF:19.7/20

Out: 509.007+/-536.311 χ^2/NDF:16.0/25

All: -139.913+/-389.571 χ^2/NDF: 38.8/46

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1896.861+/-0.580 χ^2/NDF:14784.3/6

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

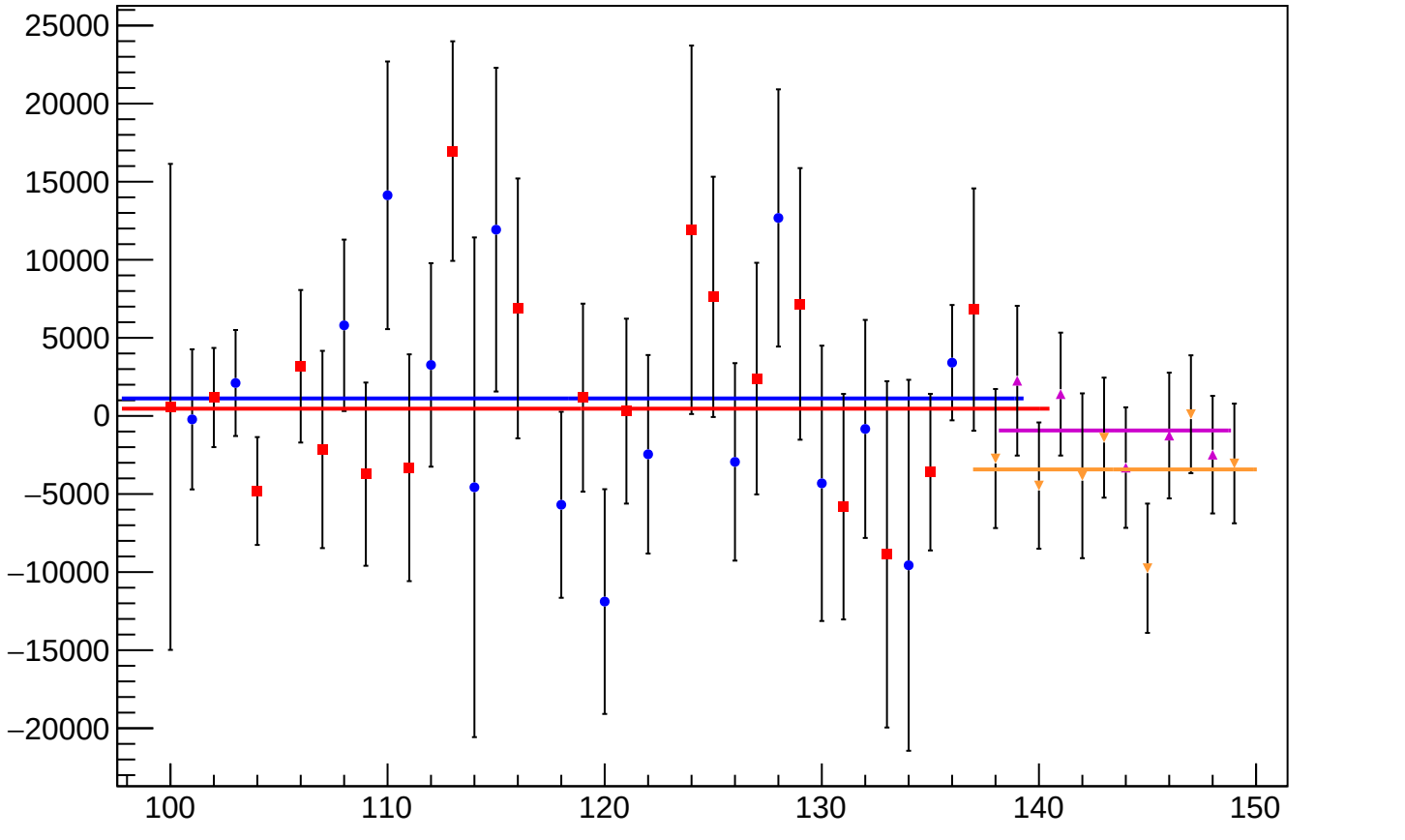
Left: 1892.576+/-0.429 χ^2/NDF: 23657.6/11

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1902.525+/-0.401 χ^2/NDF:705901.5/20

Out: 1895.660+/-0.379 χ^2/NDF:234573.2/25

All: 1898.901+/-0.275 χ^2/NDF: 940629.6/46



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3425.488+/-1557.934 χ^2/NDF:3.6/6

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -930.800+/-1803.422 χ^2/NDF:1.3/4

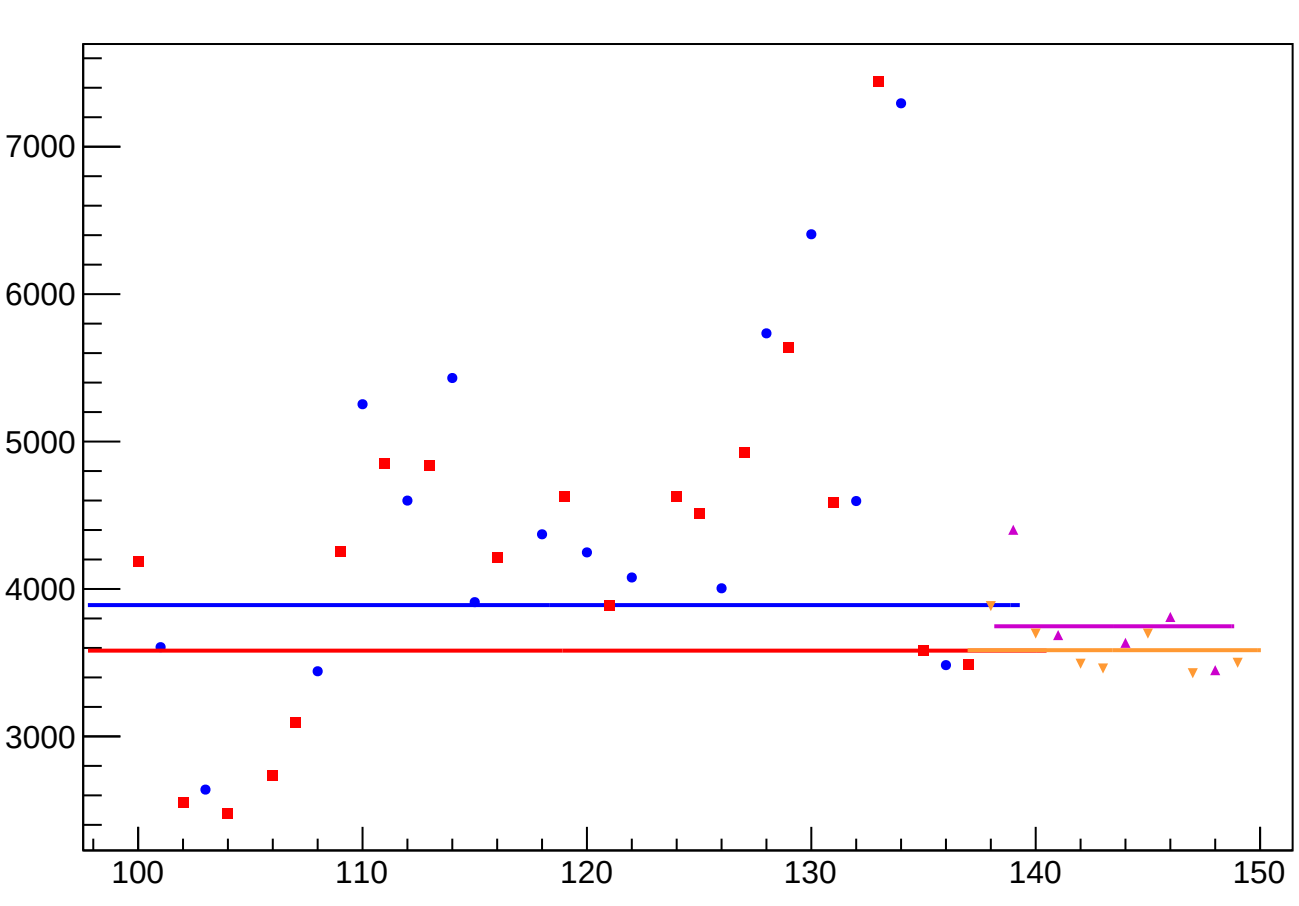
Left: -2359.371+/-1178.940 χ^2/NDF: 6.0/11

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 283.034+/-1152.169 χ^2/NDF:15.6/20

Out: -1233.051+/-1029.145 χ^2/NDF:22.1/25

All: -560.242+/-767.538 χ^2/NDF: 38.7/46



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3584.853+/-1.102 χ^2/NDF:19161.5/6

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: 3654.164+/-0.834 χ^2/NDF: 80872.9/11

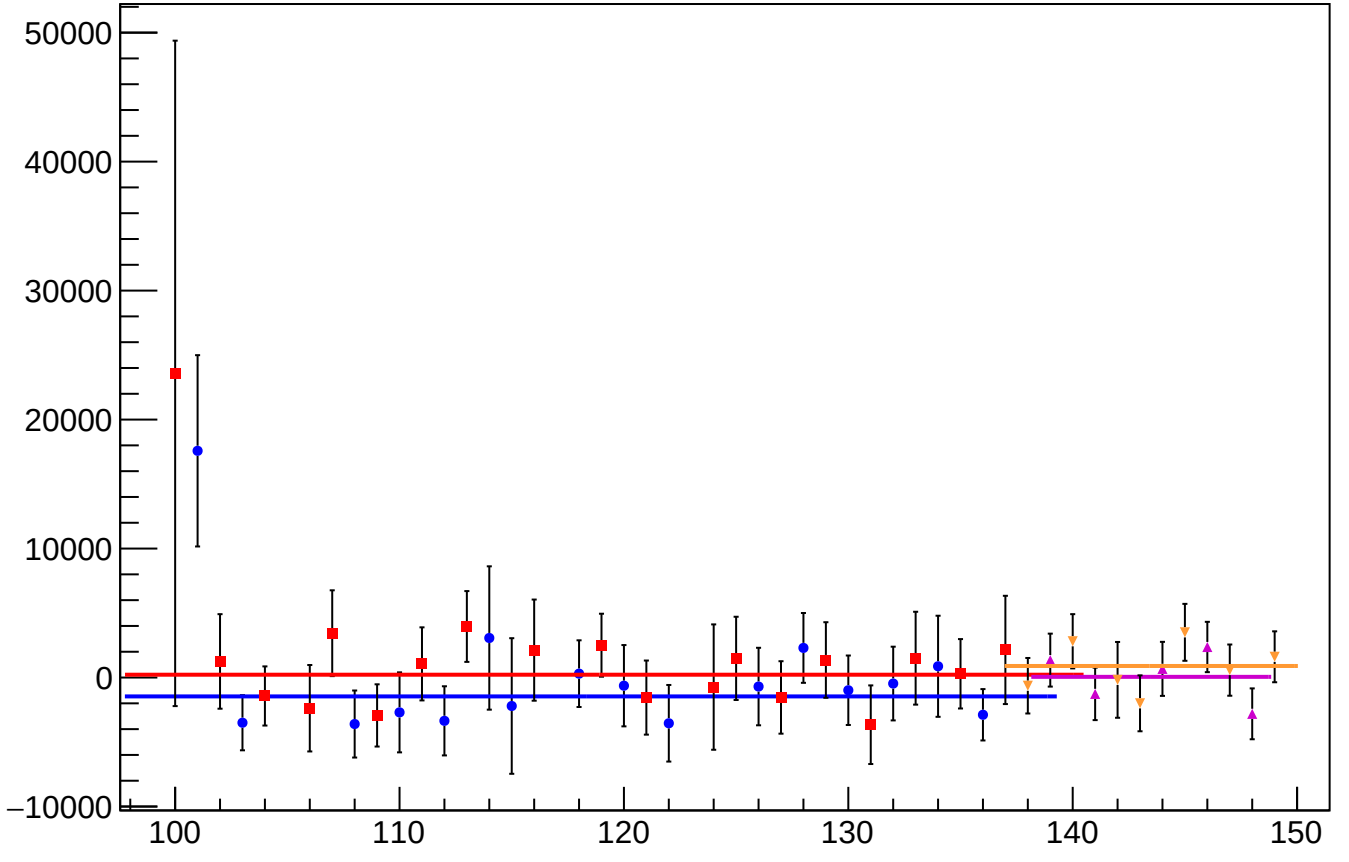
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3832.068+/-0.815 χ^2/NDF:938378.6/20

Out: 3583.121+/-0.728 χ^2/NDF:1241021.1/25

All: 3693.598+/-0.543 χ^2/NDF: 2231334.3/46

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 896.294+/-820.188 χ^2/NDF:4.8/6

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: 515.392+/-607.065 χ^2/NDF: 9.7/11

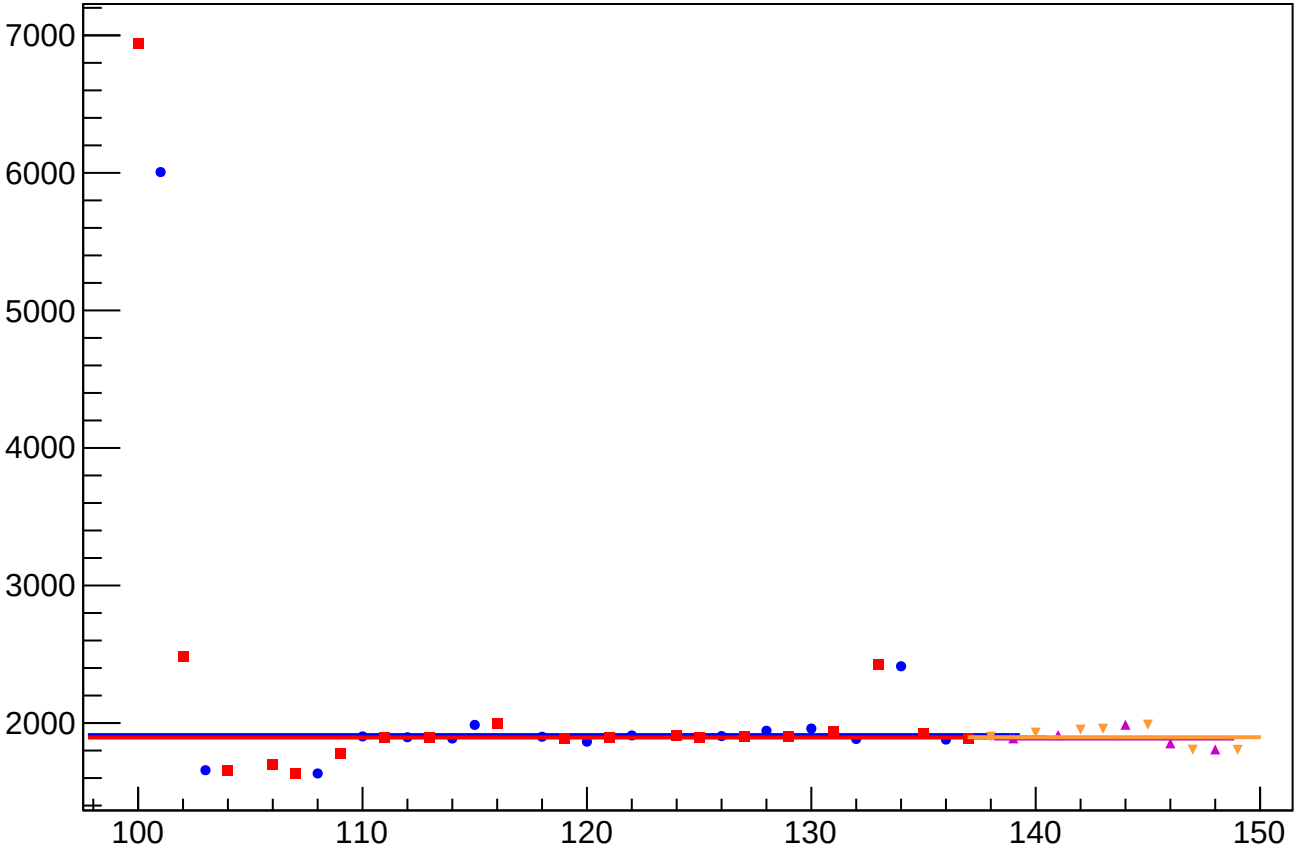
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -864.787+/-566.829 χ^2/NDF:19.7/20

Out: 509.003+/-536.311 χ^2/NDF:16.0/25

All: -139.916+/-389.571 χ^2/NDF: 38.8/46

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1896.862+/-0.580 χ^2/NDF:14784.3/6

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1887.385+/-0.638 χ^2/NDF:8752.6/4

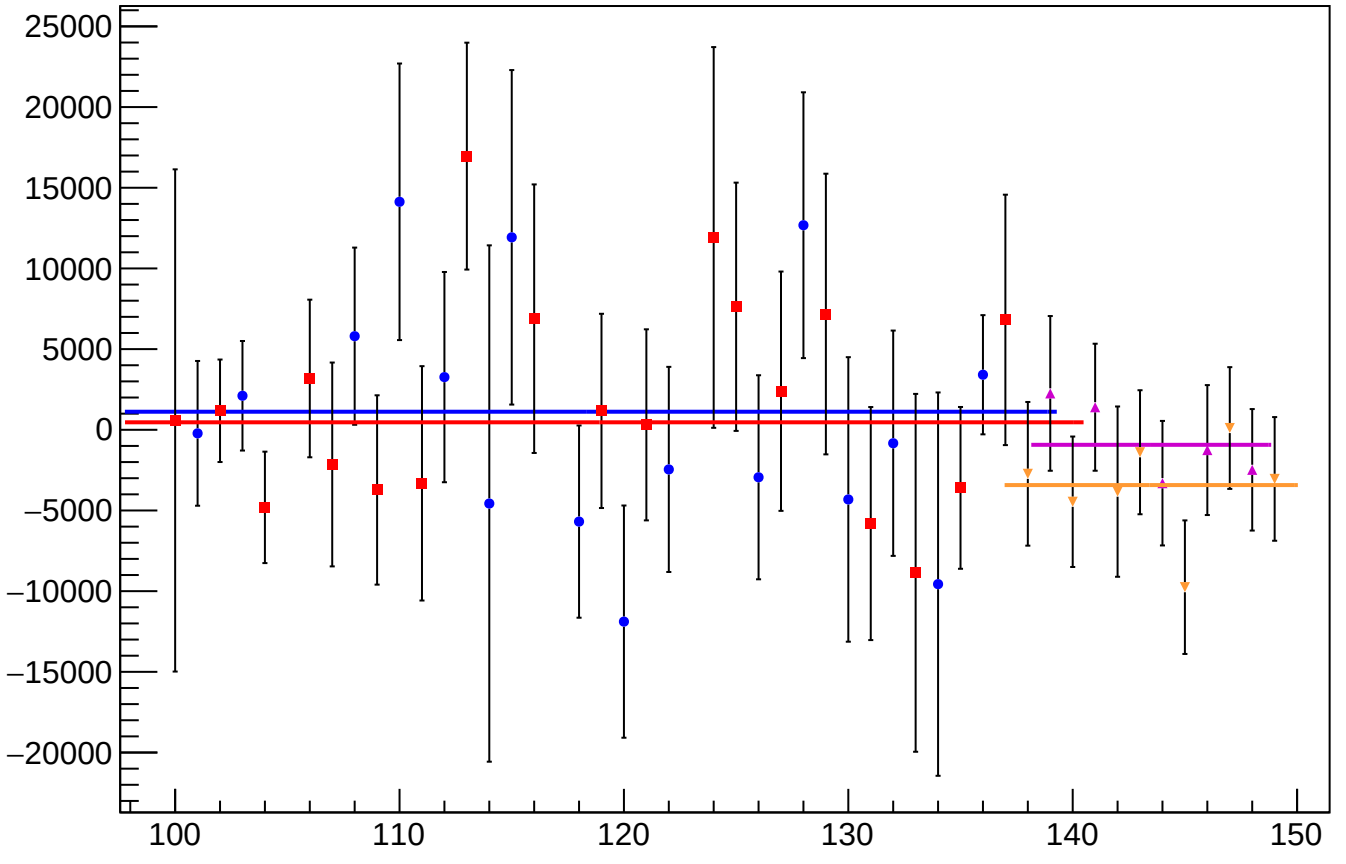
Left: 1892.577+/-0.429 χ^2/NDF: 23657.6/11

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1902.525+/-0.401 χ^2/NDF:705901.3/20

Out: 1895.660+/-0.379 χ^2/NDF:234573.3/25

All: 1898.901+/-0.275 χ^2/NDF: 940629.4/46



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -3425.492+/-1557.936 χ^2/NDF:3.6/6

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -930.794+/-1803.424 χ^2/NDF:1.3/4

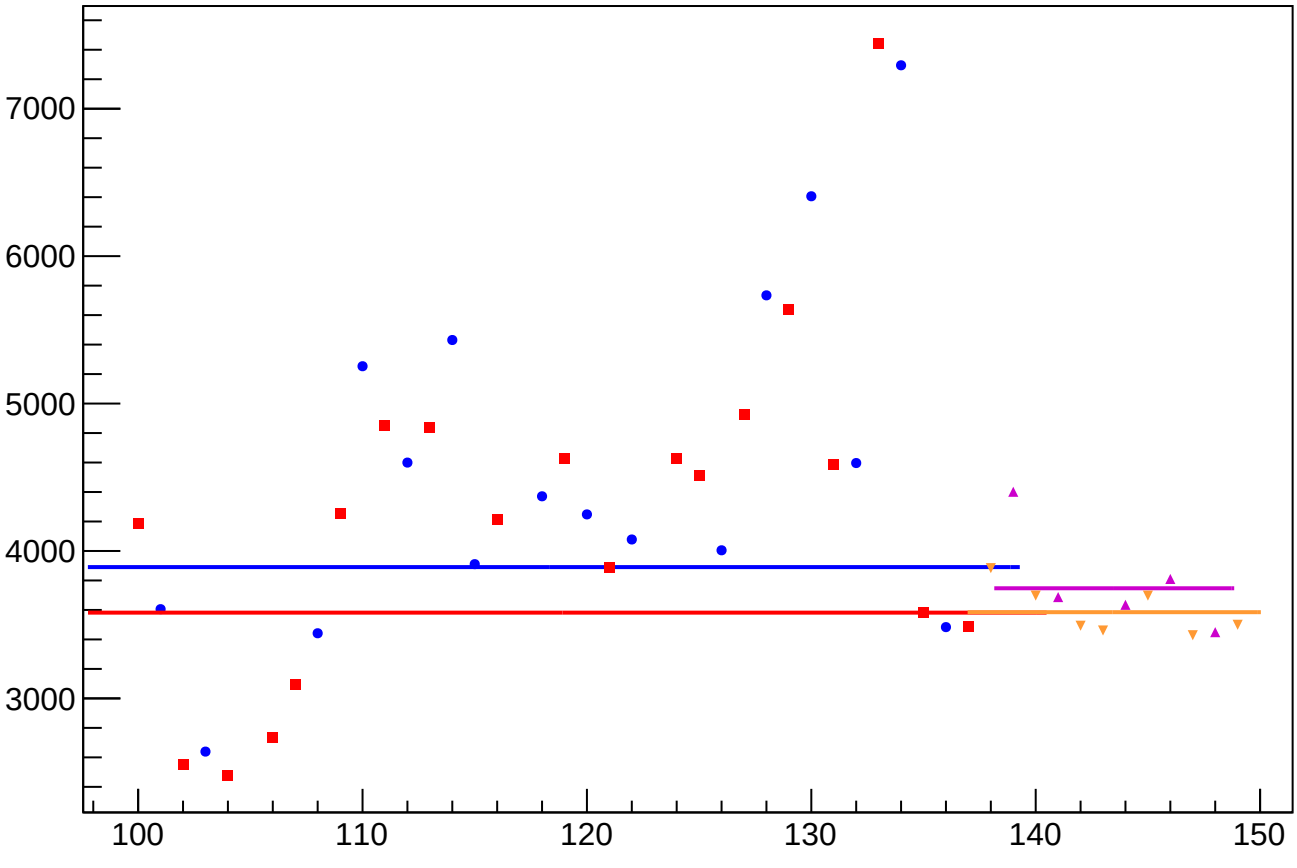
Left: -2359.370+/-1178.942 χ^2/NDF: 6.0/11

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 283.031+/-1152.169 χ^2/NDF:15.6/20

Out: -1233.048+/-1029.145 χ^2/NDF:22.1/25

All: -560.242+/-767.538 χ^2/NDF: 38.7/46



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3584.858+/-1.102 χ^2/NDF:19161.4/6

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: 3654.169+/-0.834 χ^2/NDF: 80873.3/11

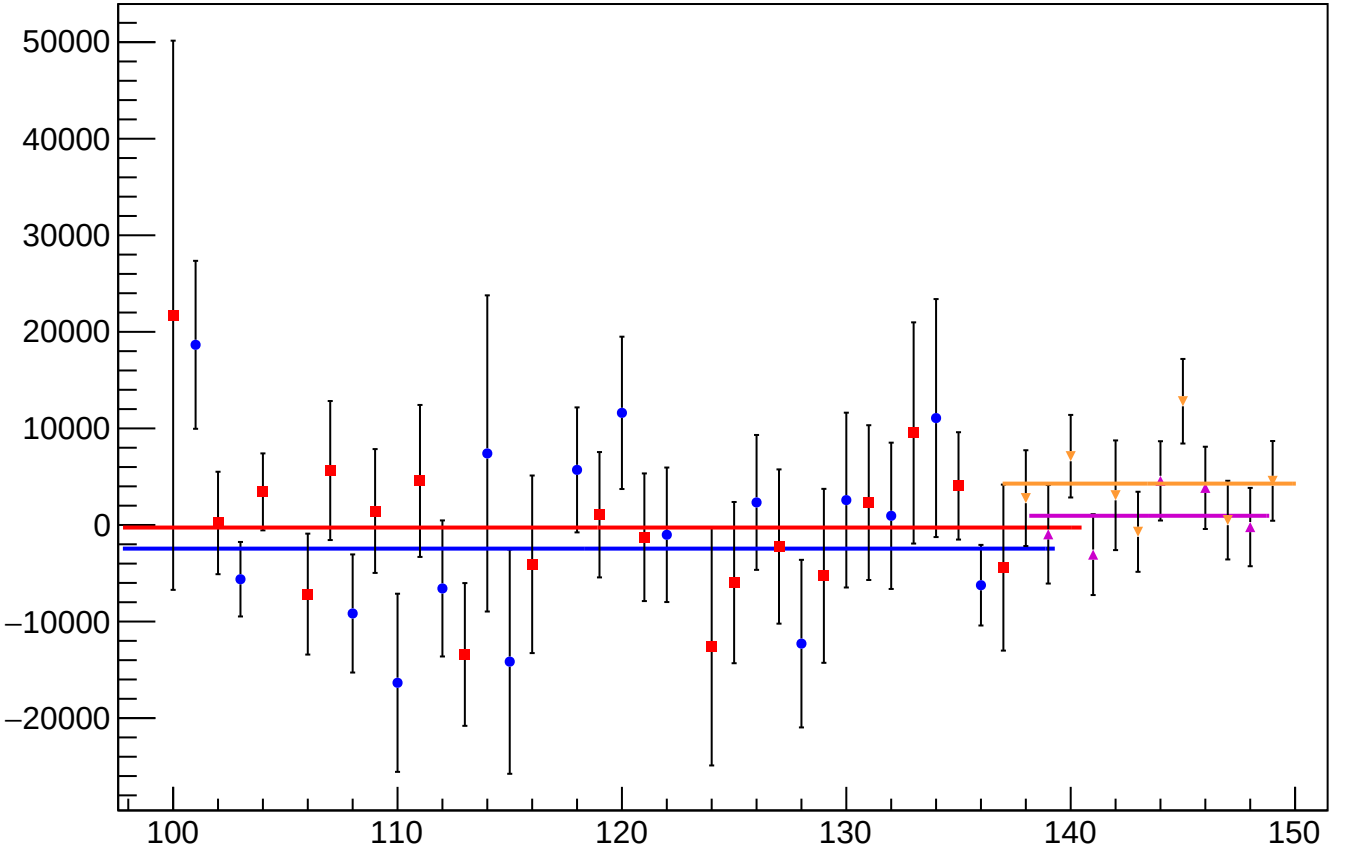
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3832.068+/-0.815 χ^2/NDF:938369.5/20

Out: 3583.121+/-0.728 χ^2/NDF:1241012.4/25

All: 3693.599+/-0.543 χ^2/NDF: 2231316.4/46

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 4283.802+/-1676.881 χ^2/NDF:6.7/6

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: 2844.119+/-1263.591 χ^2/NDF: 10.8/11

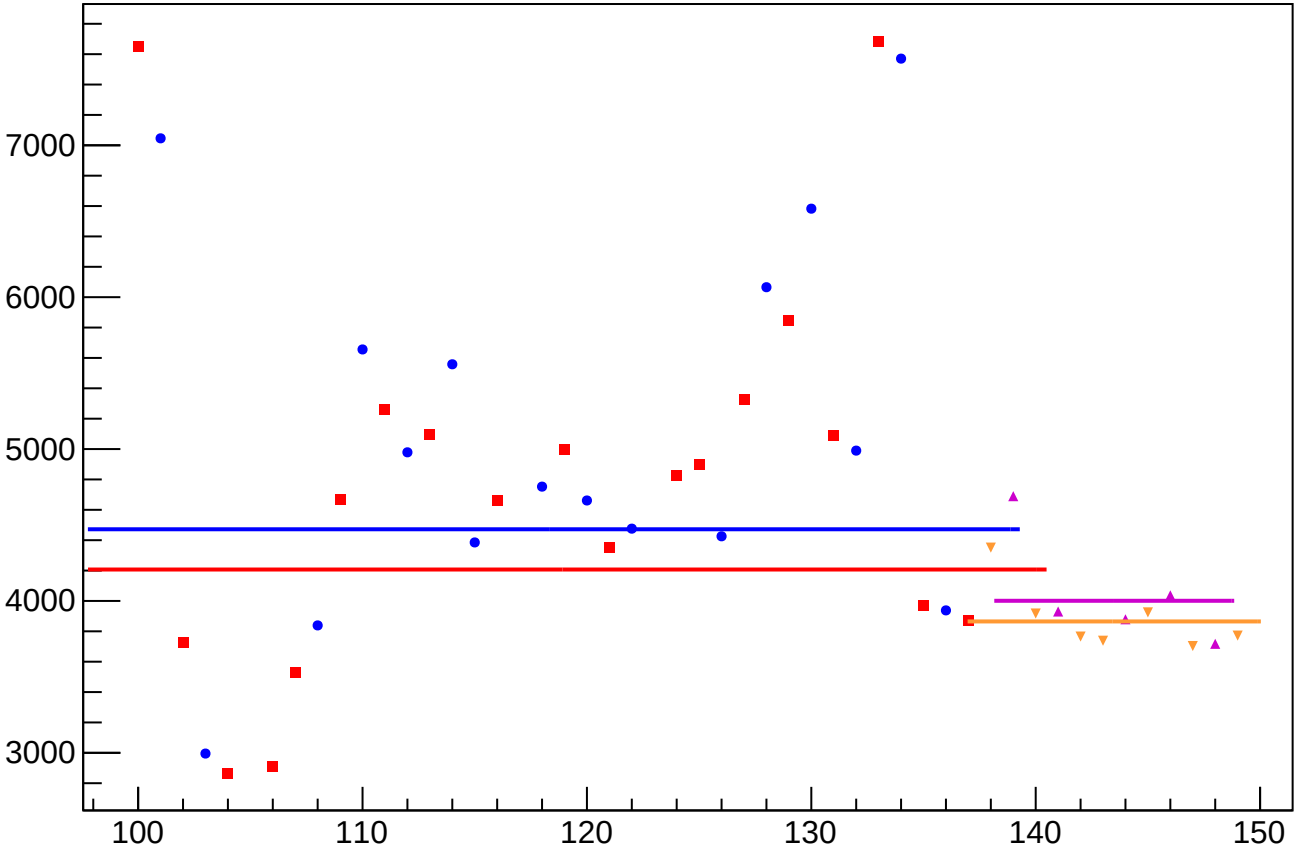
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -936.248+/-1281.609 χ^2/NDF:25.0/20

Out: 1934.094+/-1166.060 χ^2/NDF:21.2/25

All: 634.125+/-862.492 χ^2/NDF: 48.9/46

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3865.056+/-1.186 χ^2/NDF:26541.8/6

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4001.025+/-1.359 χ^2/NDF:48683.2/4

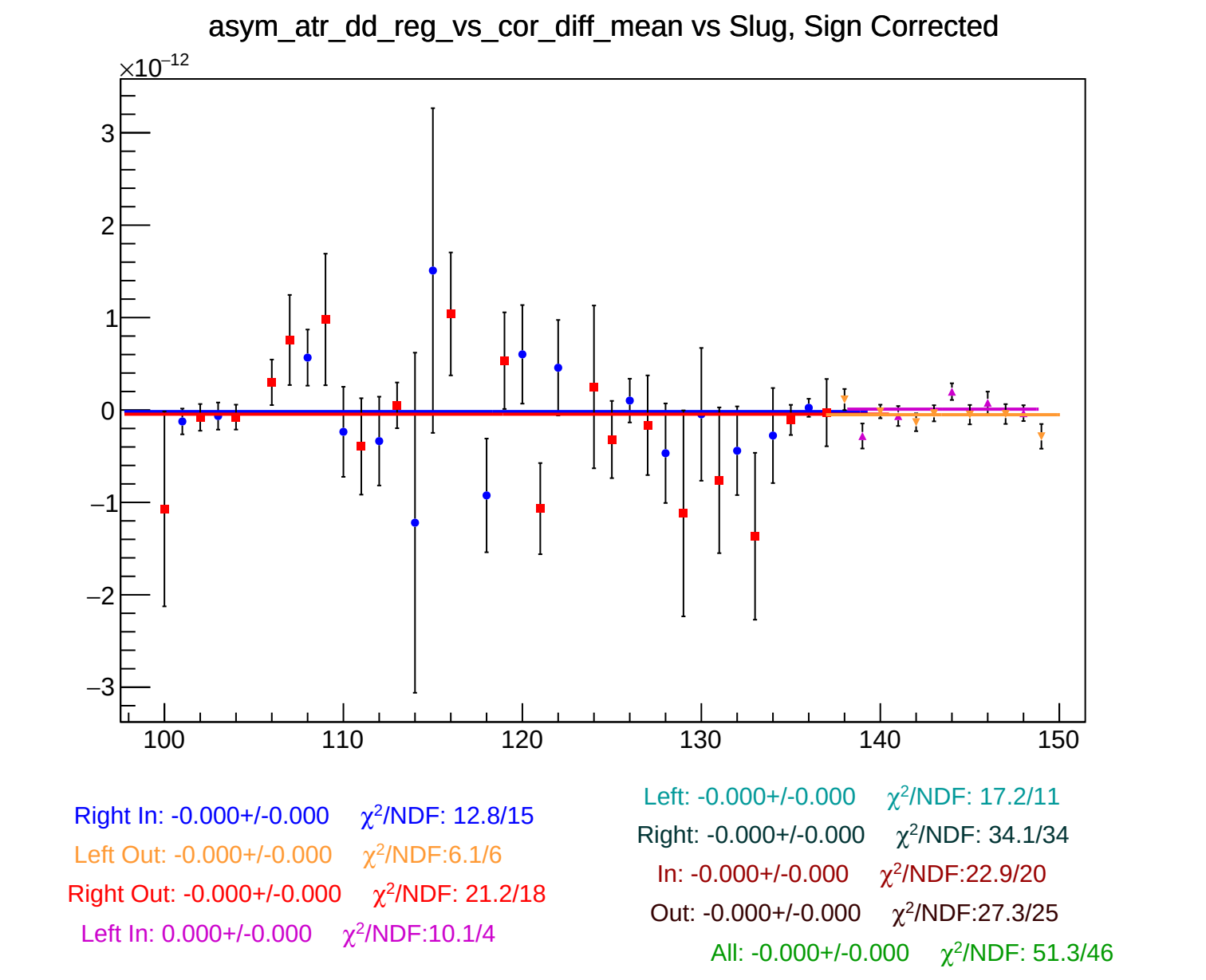
Left: 3923.820+/-0.893 χ^2/NDF: 80907.9/11

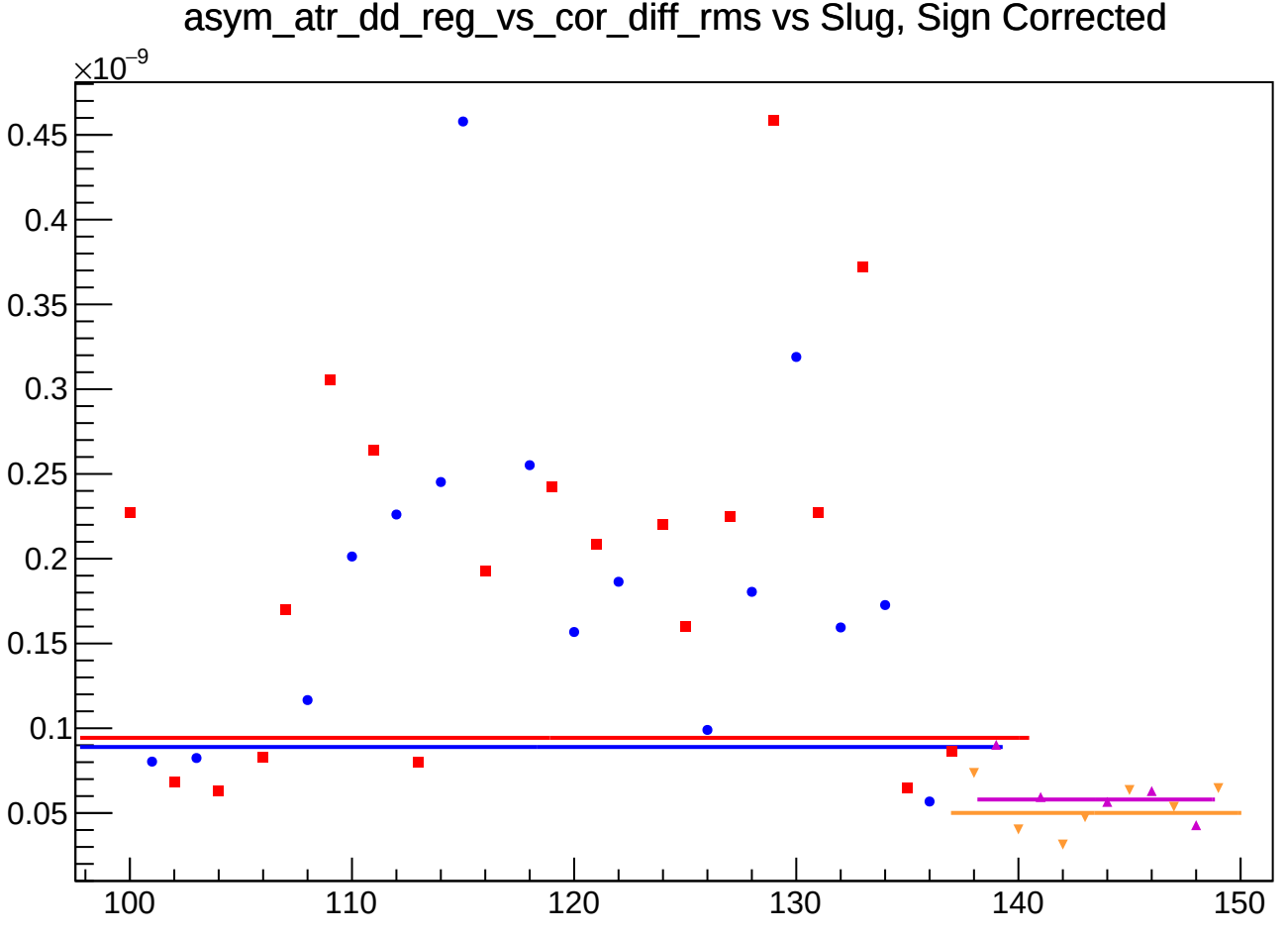
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4262.553+/-0.906 χ^2/NDF:1007028.9/20

Out: 4043.005+/-0.821 χ^2/NDF:916334.0/25

All: 4141.976+/-0.608 χ^2/NDF: 1955596.9/46


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:6.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: 0.000+/-0.000 χ²/NDF:10.1/4
Left: -0.000+/-0.000 χ²/NDF: 17.2/11
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: -0.000+/-0.000 χ²/NDF:22.9/20
Out: -0.000+/-0.000 χ²/NDF:27.3/25
All: -0.000+/-0.000 χ²/NDF: 51.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:256622.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:180238.0/4

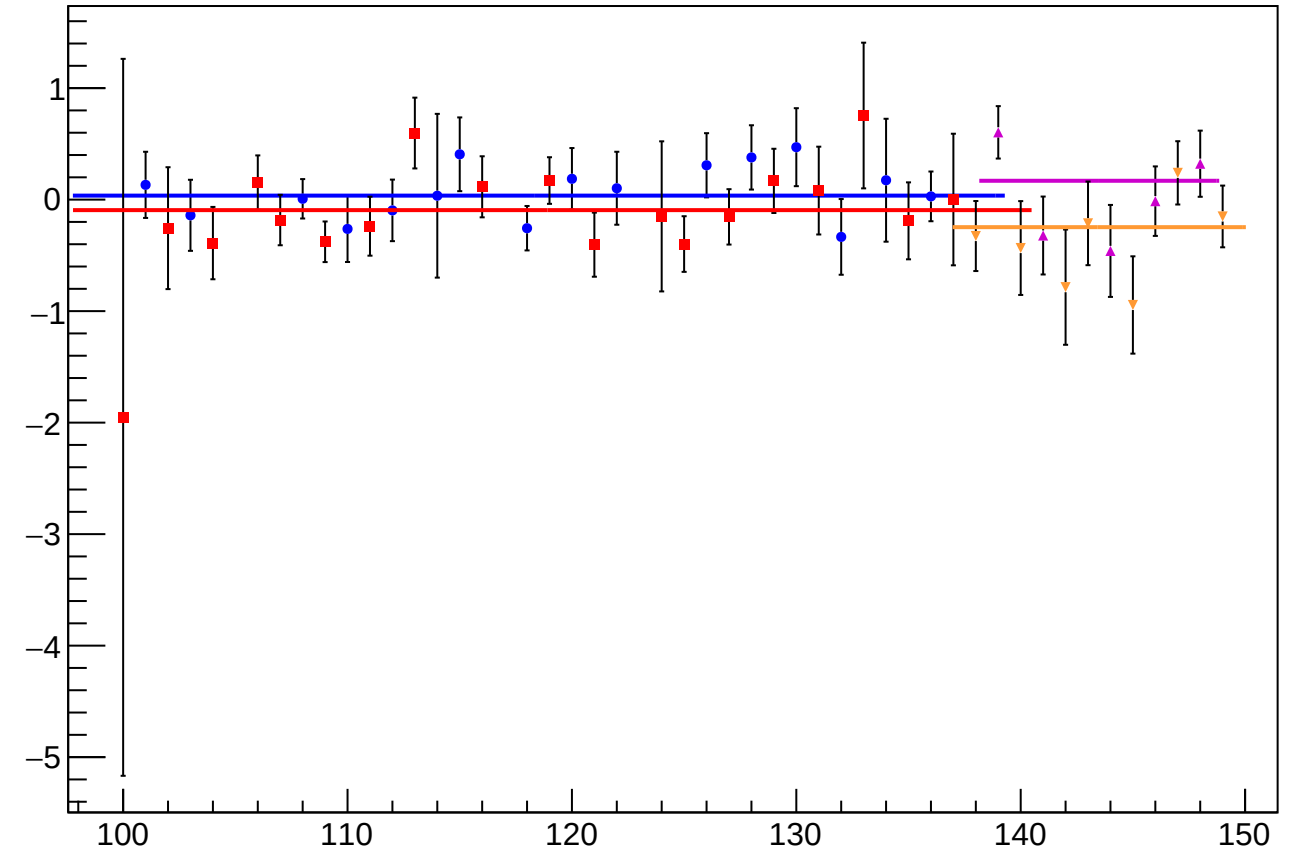
Left: 0.000+/-0.000 χ^2/NDF: 472594.8/11

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:2605907.4/25

All: 0.000+/-0.000 χ^2/NDF: 4408831.6/46



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.247+/-0.132 χ^2/NDF:7.0/6

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.169+/-0.136 χ^2/NDF:8.3/4

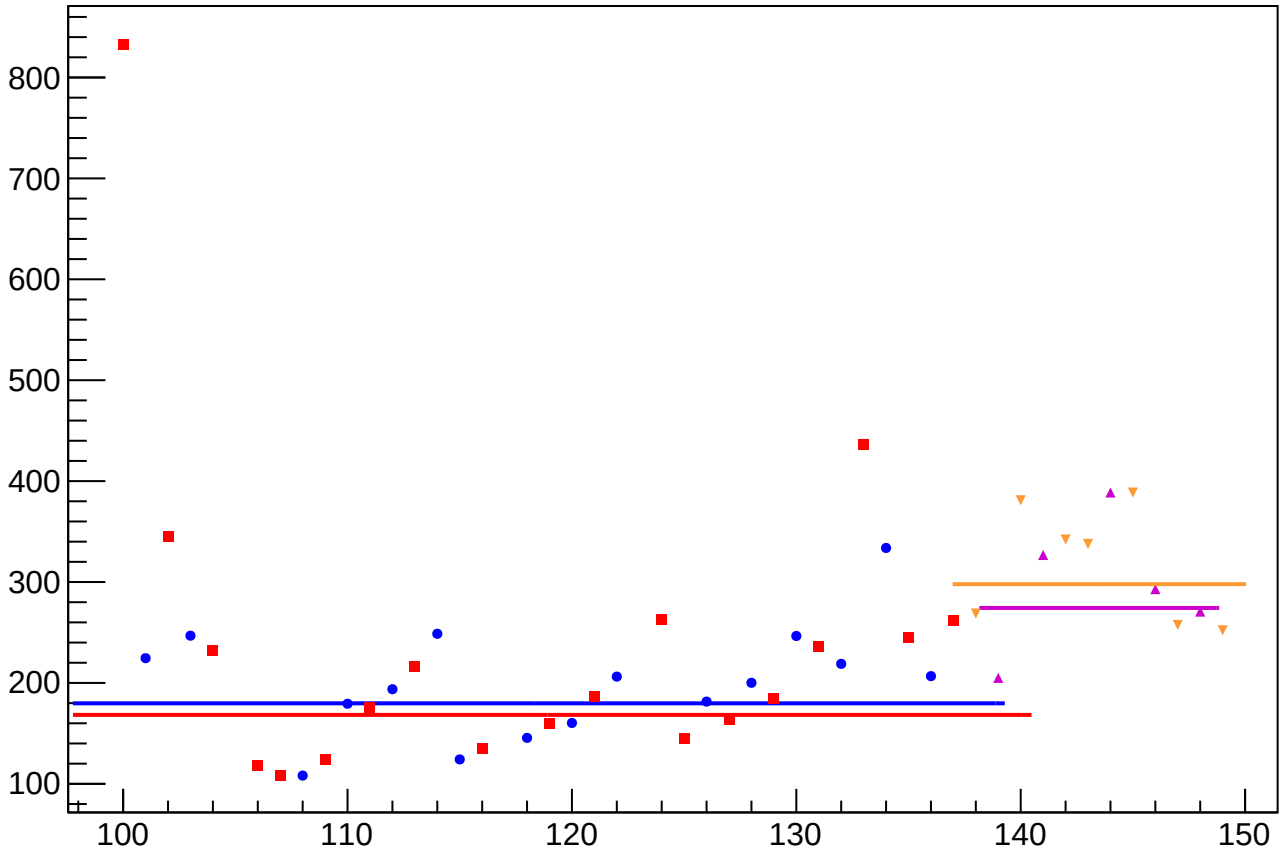
Left: -0.046+/-0.095 χ^2/NDF: 20.1/11

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.126+/-0.060 χ^2/NDF:25.7/25

All: -0.035+/-0.043 χ^2/NDF: 50.1/46



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 297.899+/-0.093 χ^2/NDF:314073.2/6

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

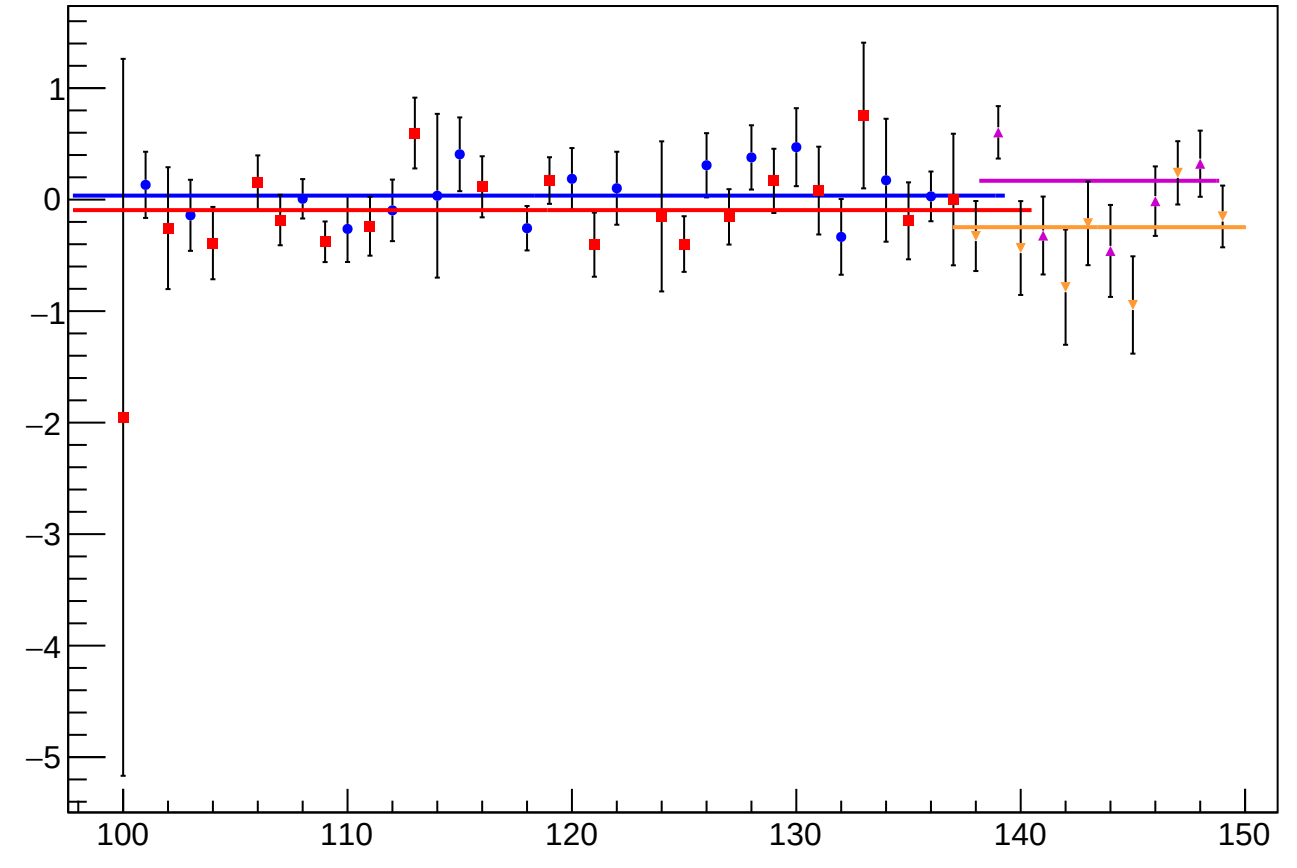
Left: 286.478+/-0.067 χ^2/NDF: 725282.1/11

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 199.778+/-0.044 χ^2/NDF:2057078.3/20

Out: 195.262+/-0.043 χ^2/NDF:3248786.0/25

All: 197.429+/-0.031 χ^2/NDF: 5311266.2/46



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.247+/-0.132 χ^2/NDF:7.0/6

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.169+/-0.136 χ^2/NDF:8.3/4

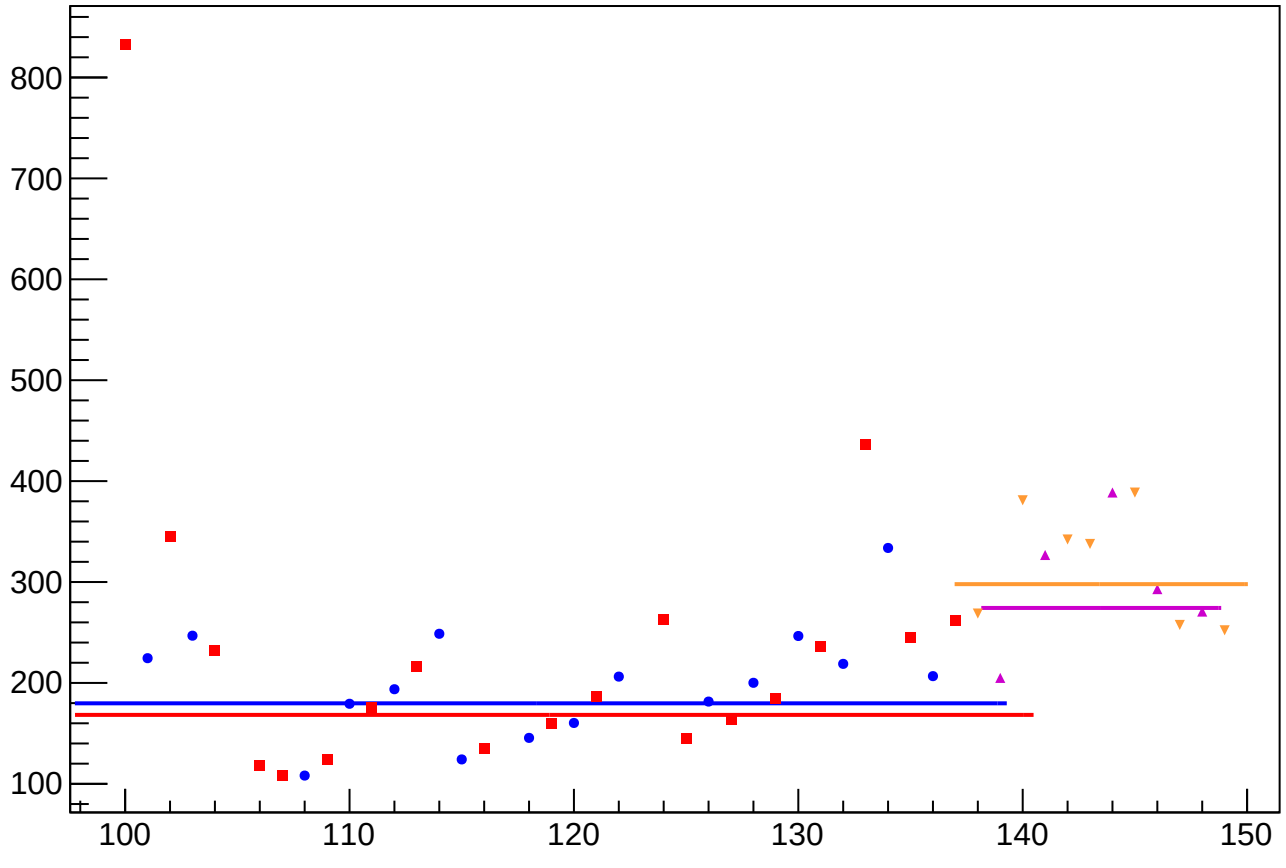
Left: -0.046+/-0.095 χ^2/NDF: 20.1/11

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.126+/-0.060 χ^2/NDF:25.7/25

All: -0.035+/-0.043 χ^2/NDF: 50.1/46



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 297.899+/-0.093 χ^2/NDF:314073.2/6

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 274.308+/-0.096 χ^2/NDF:380301.9/4

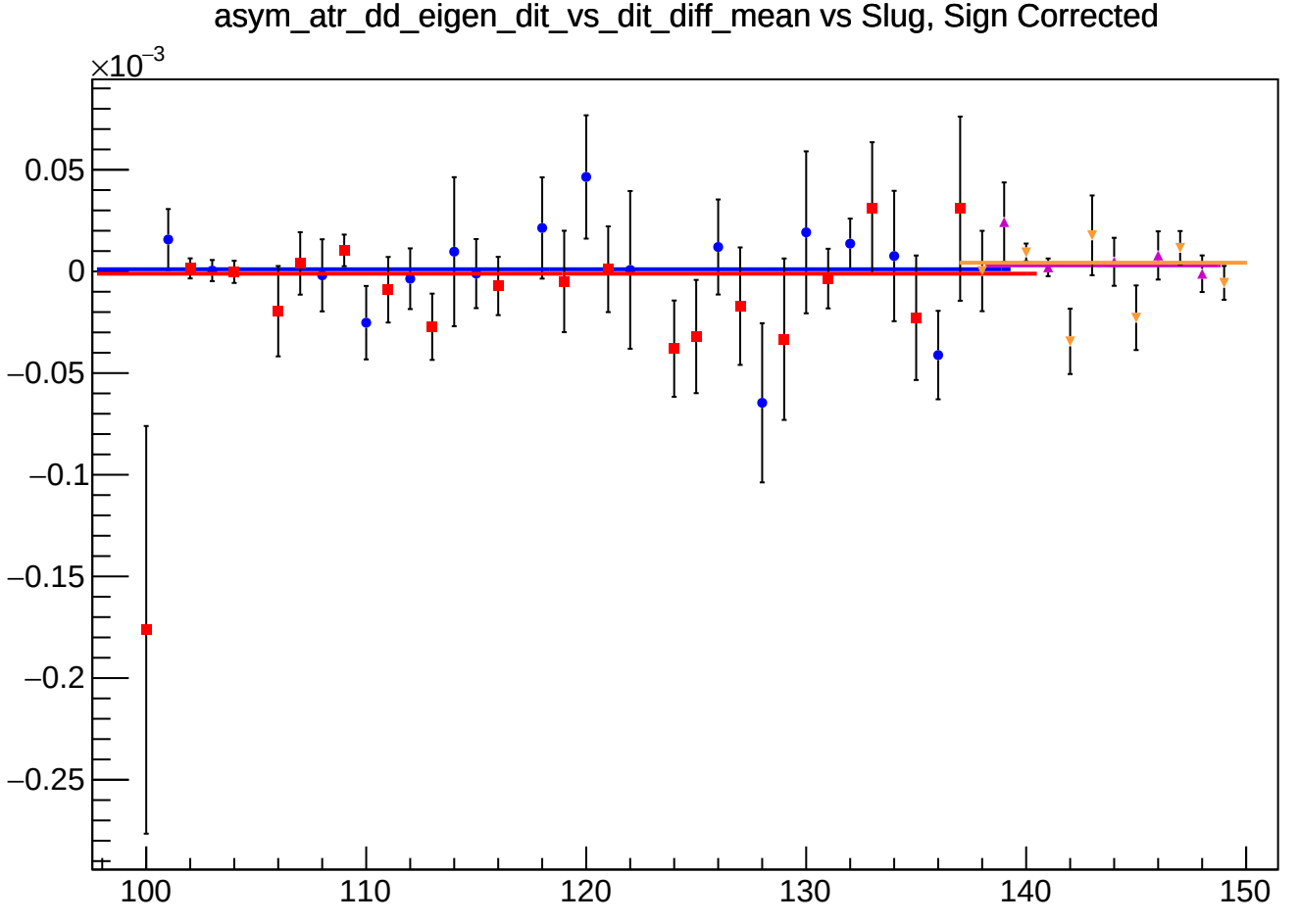
Left: 286.478+/-0.067 χ^2/NDF: 725282.1/11

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 199.778+/-0.044 χ^2/NDF:2057078.3/20

Out: 195.262+/-0.043 χ^2/NDF:3248786.0/25

All: 197.429+/-0.031 χ^2/NDF: 5311266.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/4

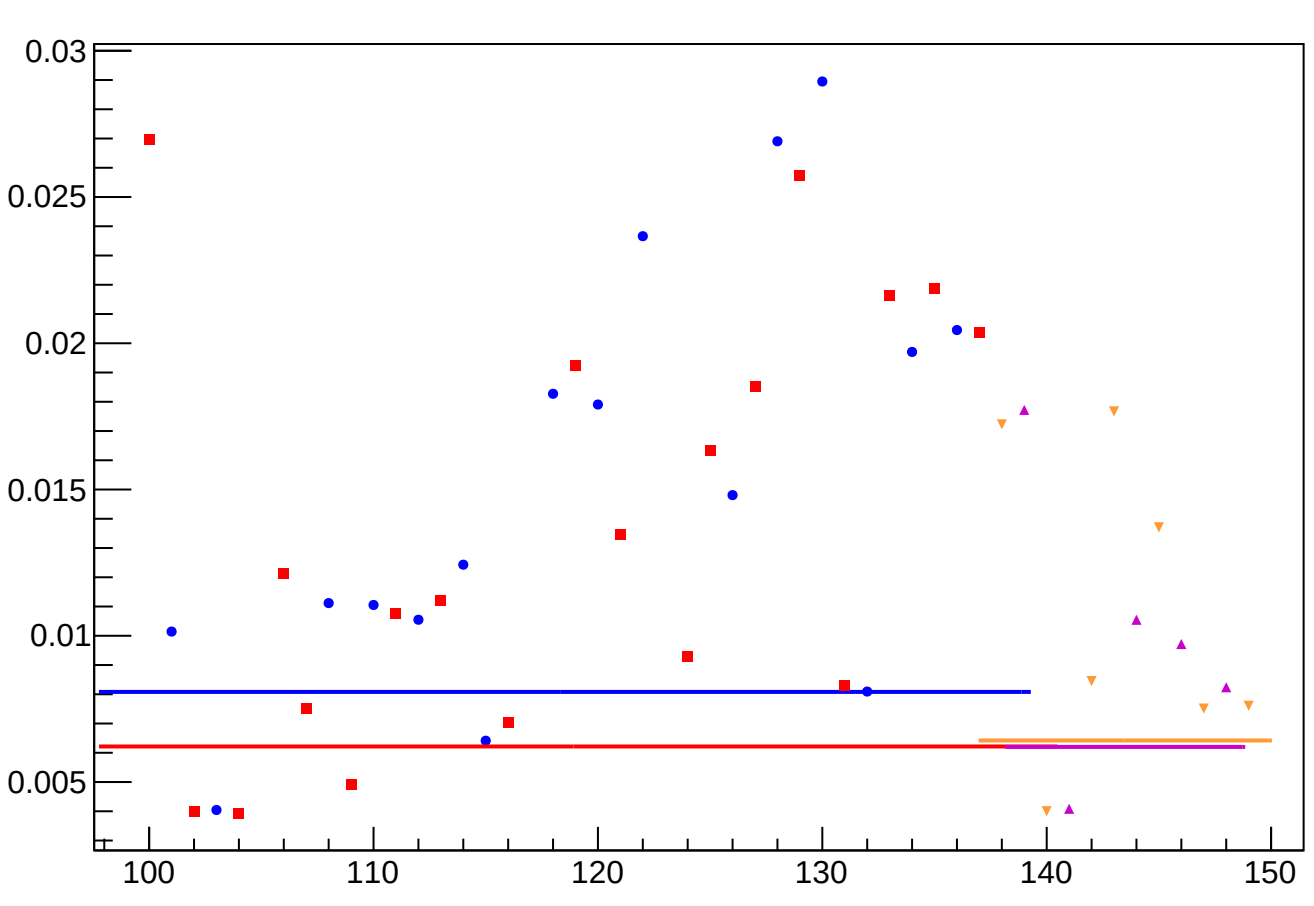
Left: 0.000+/-0.000 χ^2/NDF: 14.5/11

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:30.3/25

All: 0.000+/-0.000 χ^2/NDF: 46.4/46



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2396962.4/6

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1722304.4/4

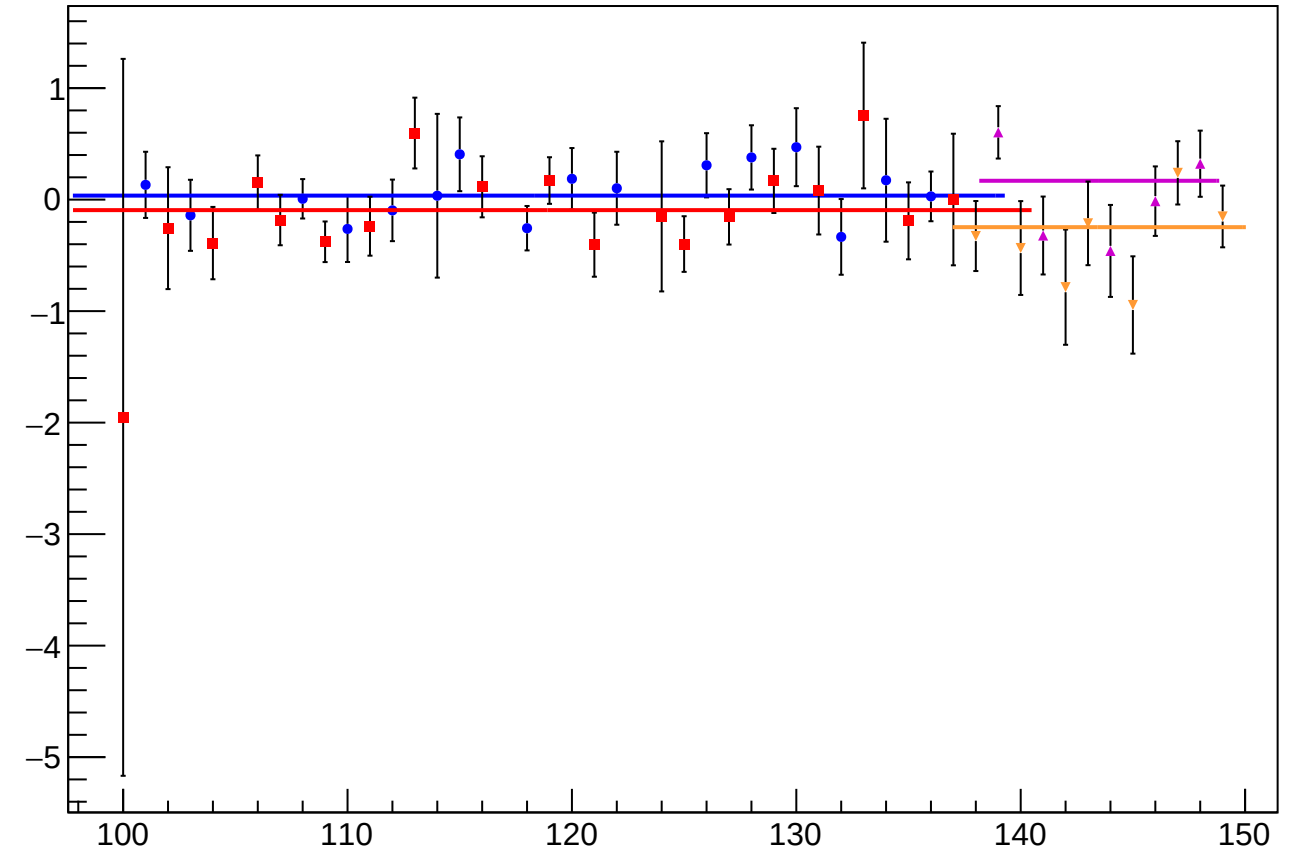
Left: 0.006+/-0.000 χ^2/NDF: 4123525.9/11

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:6962491.2/25

All: 0.007+/-0.000 χ^2/NDF: 13481184.9/46



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.247+/-0.132 χ^2/NDF:7.0/6

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: -0.046+/-0.095 χ^2/NDF: 20.1/11

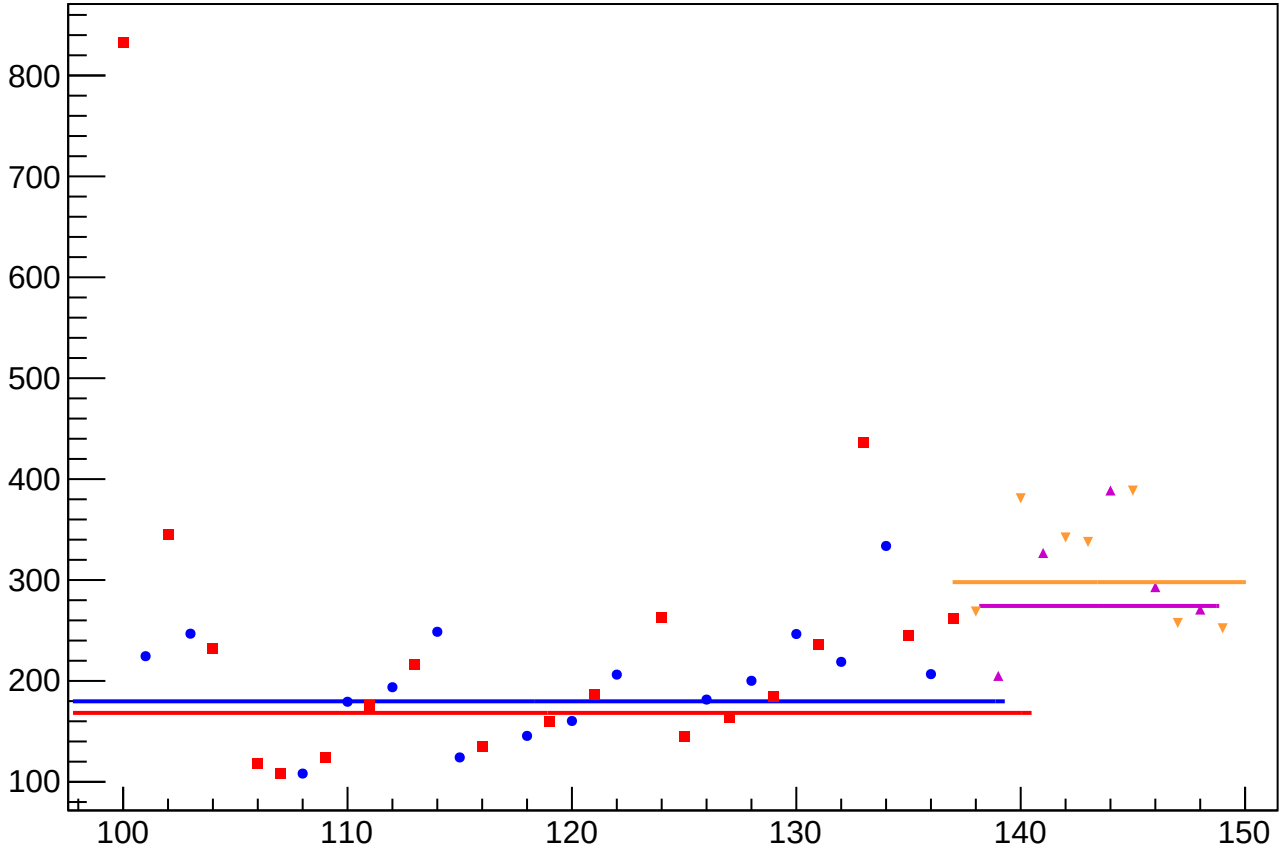
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.126+/-0.060 χ^2/NDF:25.7/25

All: -0.035+/-0.043 χ^2/NDF: 50.1/46

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 297.904+/-0.093 χ^2/NDF:314056.4/6

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: 286.483+/-0.067 χ^2/NDF: 725248.0/11

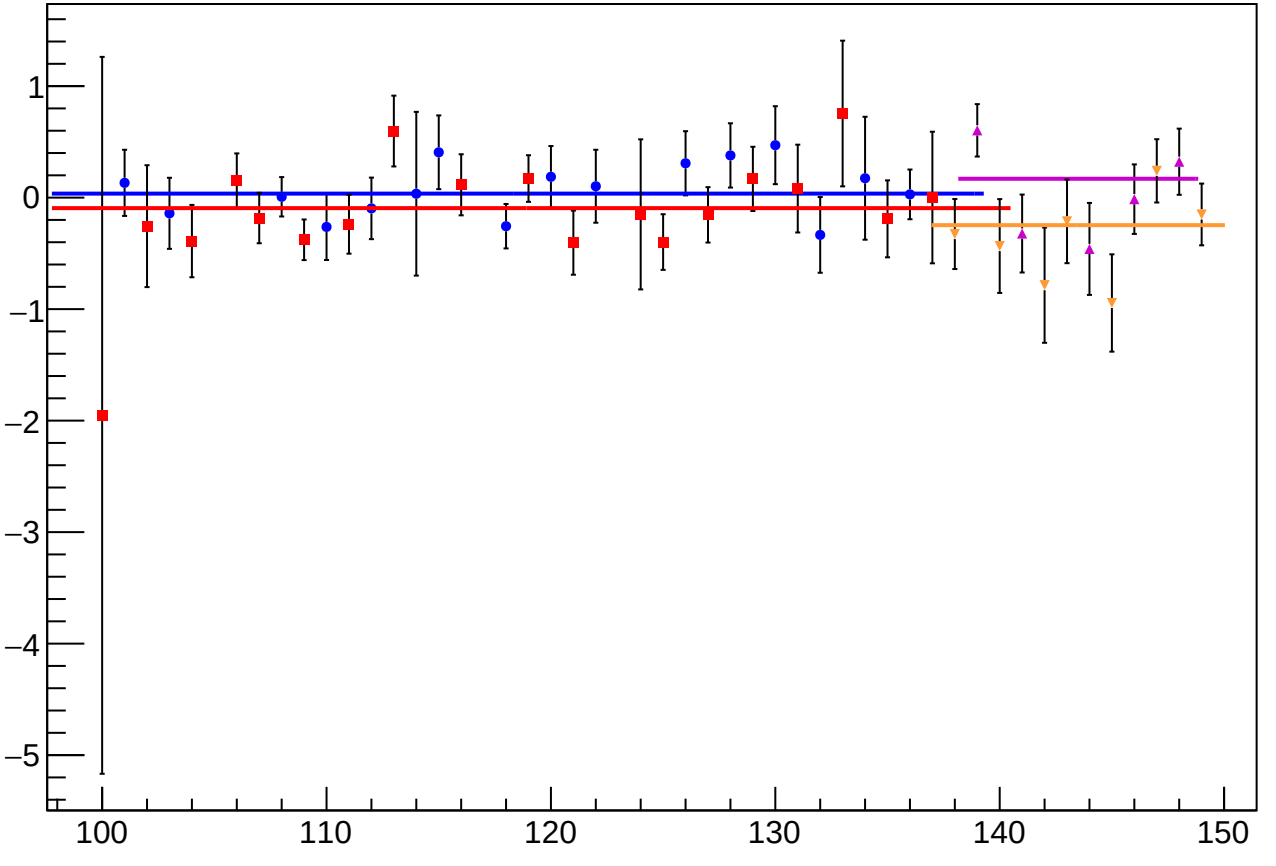
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 199.776+/-0.044 χ^2/NDF:2057201.1/20

Out: 195.262+/-0.043 χ^2/NDF:3248846.4/25

All: 197.428+/-0.031 χ^2/NDF: 5311444.2/46

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.247+/-0.132 χ^2/NDF:7.0/6

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: -0.046+/-0.095 χ^2/NDF: 20.1/11

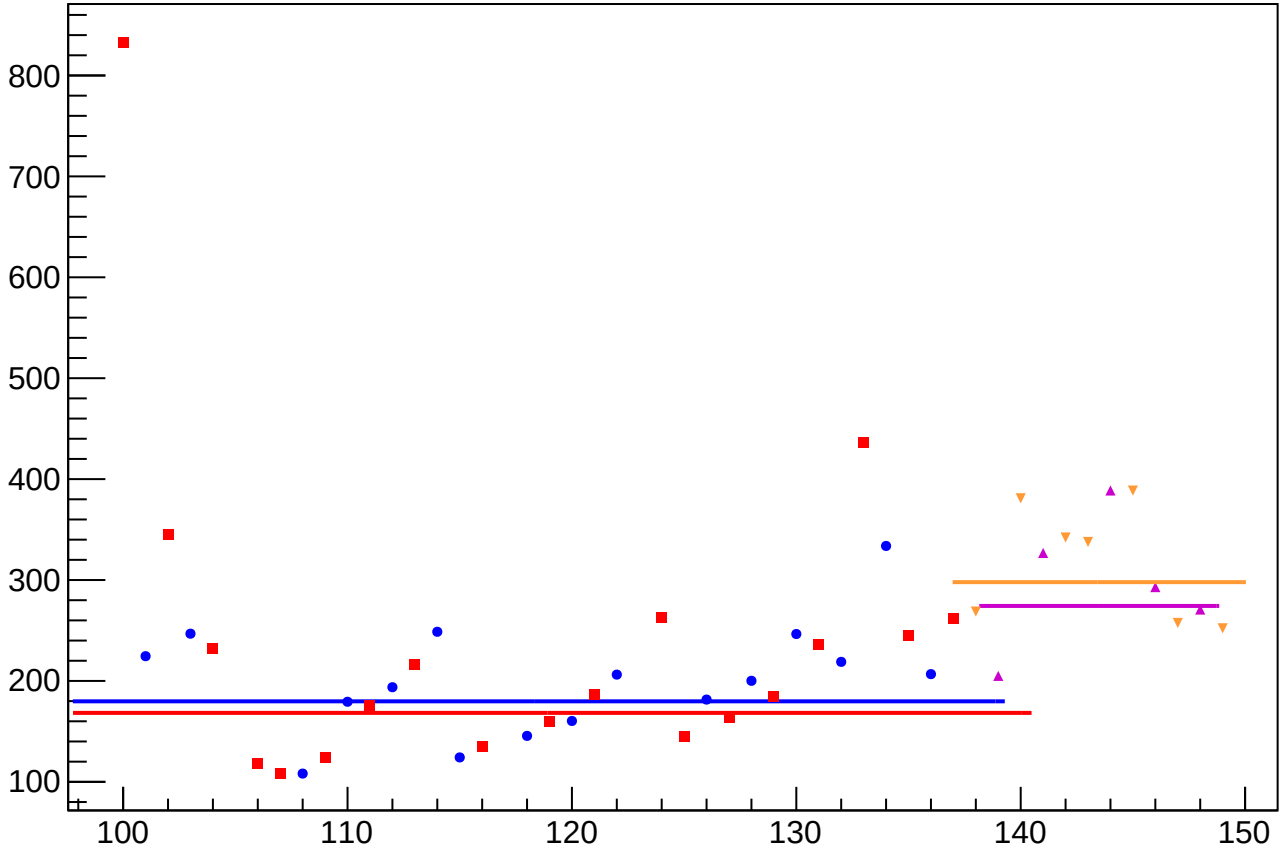
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.064+/-0.063 χ^2/NDF:19.6/20

Out: -0.126+/-0.060 χ^2/NDF:25.7/25

All: -0.035+/-0.043 χ^2/NDF: 50.1/46

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: 297.904+/-0.093 χ^2/NDF:314056.4/6

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 274.312+/-0.096 χ^2/NDF:380283.7/4

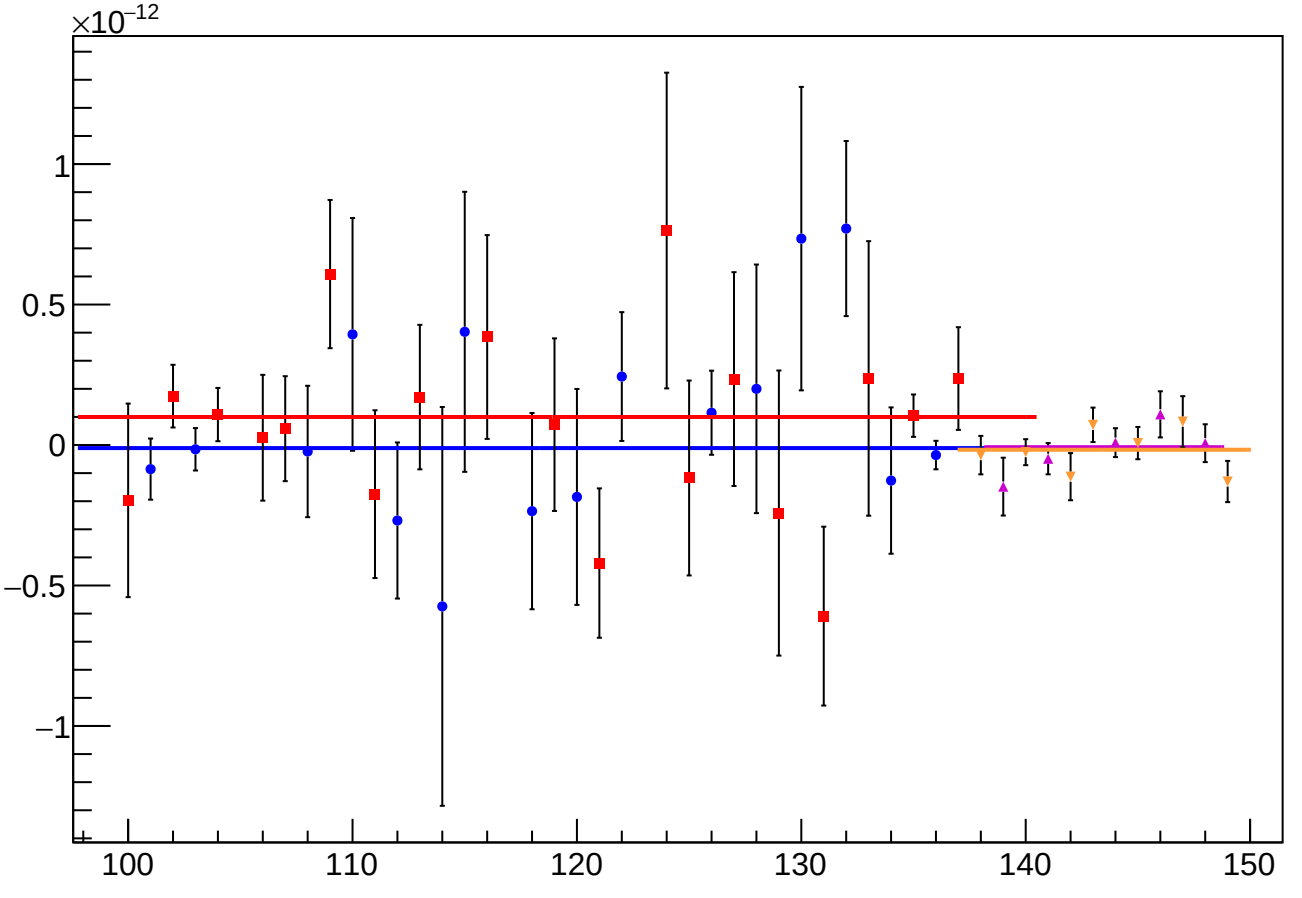
Left: 286.483+/-0.067 χ^2/NDF: 725248.0/11

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 199.776+/-0.044 χ^2/NDF:2057201.1/20

Out: 195.262+/-0.043 χ^2/NDF:3248846.4/25

All: 197.428+/-0.031 χ^2/NDF: 5311444.2/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/4

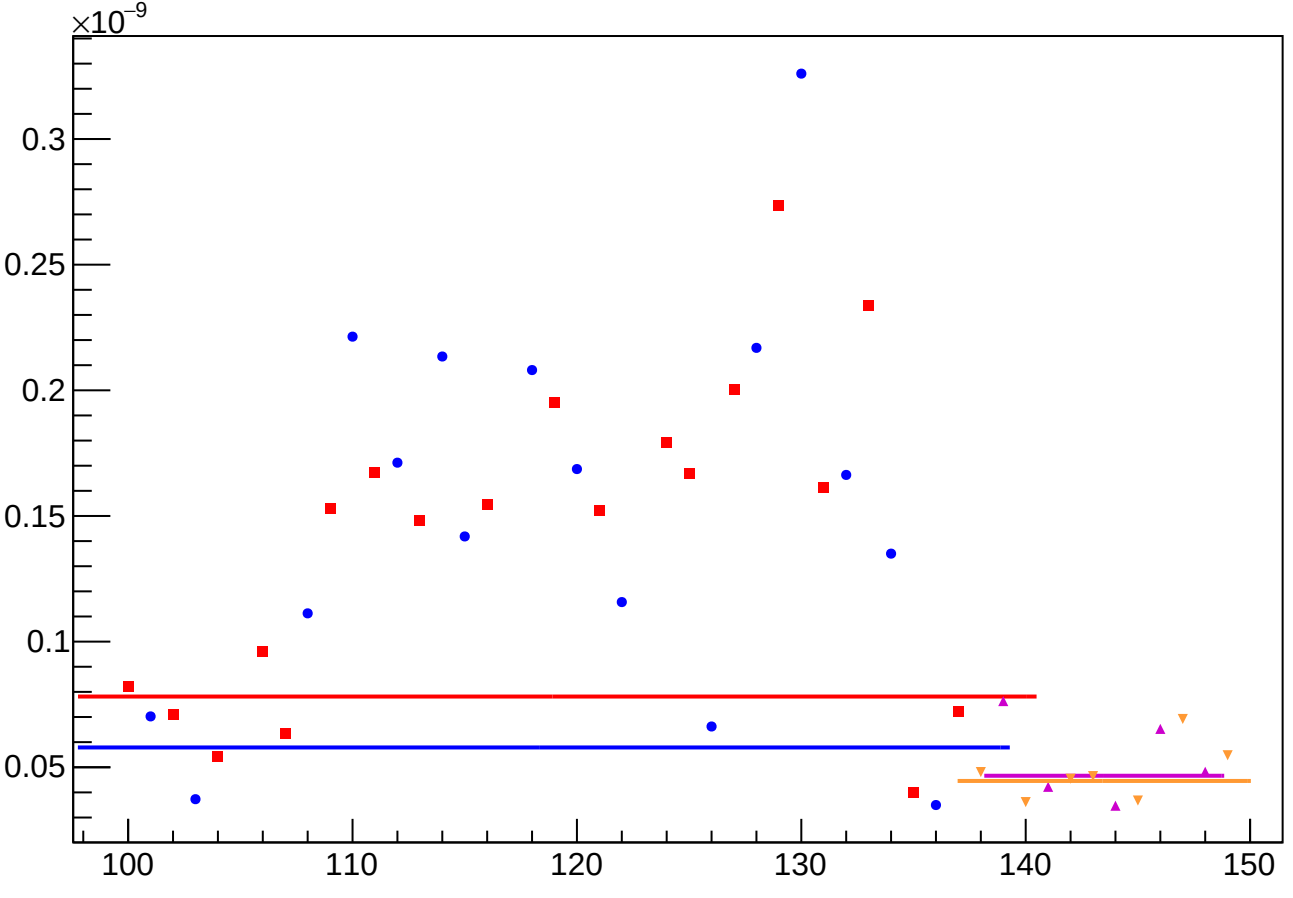
Left: -0.000+/-0.000 χ^2/NDF: 11.9/11

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:31.4/25

All: 0.000+/-0.000 χ^2/NDF: 51.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:297366.5/6

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: 694308.3/11

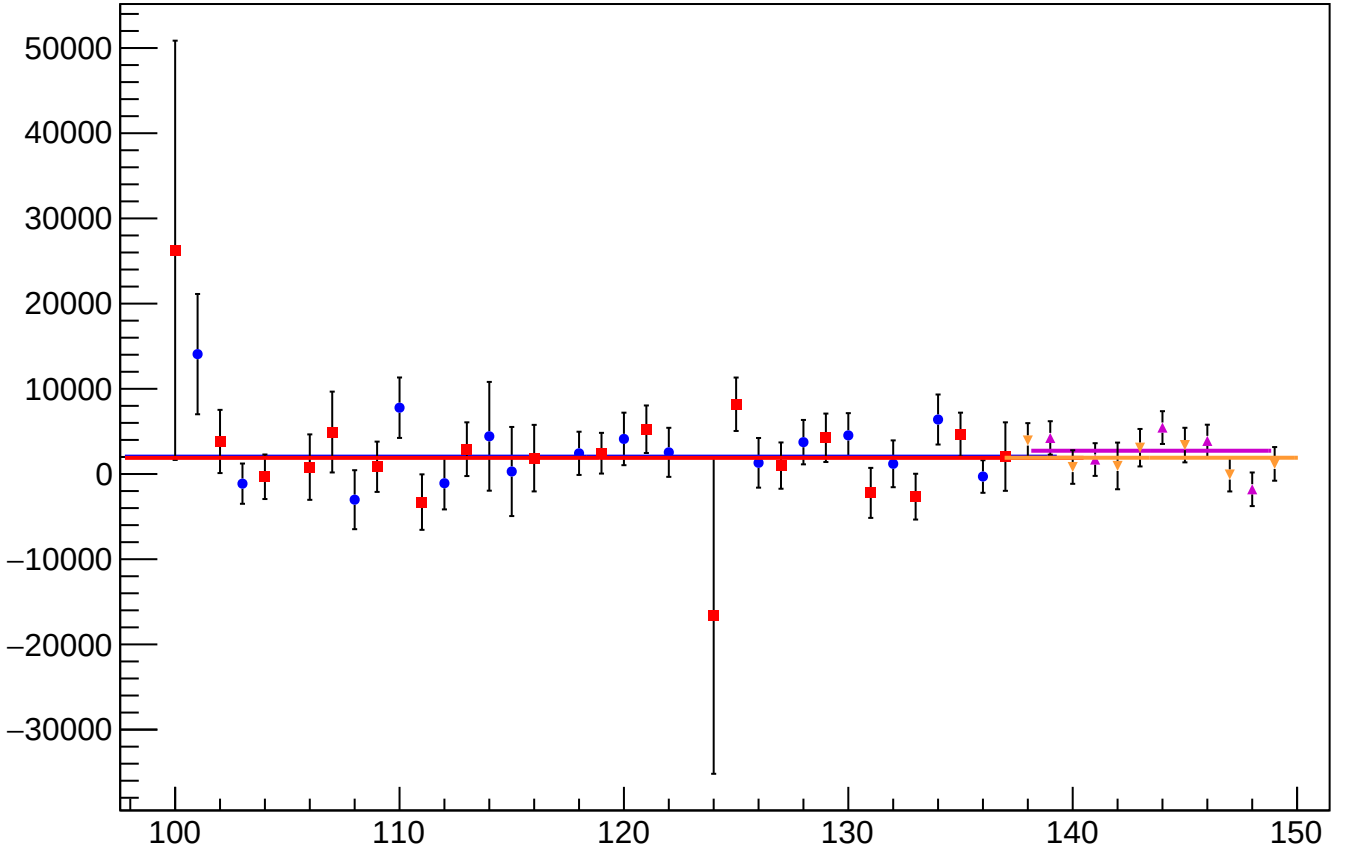
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3834605.6/20

Out: 0.000+/-0.000 χ^2/NDF:3984601.5/25

All: 0.000+/-0.000 χ^2/NDF: 7825268.8/46

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1909.527+/-792.926 χ^2/NDF:3.4/6

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: 2284.278+/-584.737 χ^2/NDF: 12.3/11

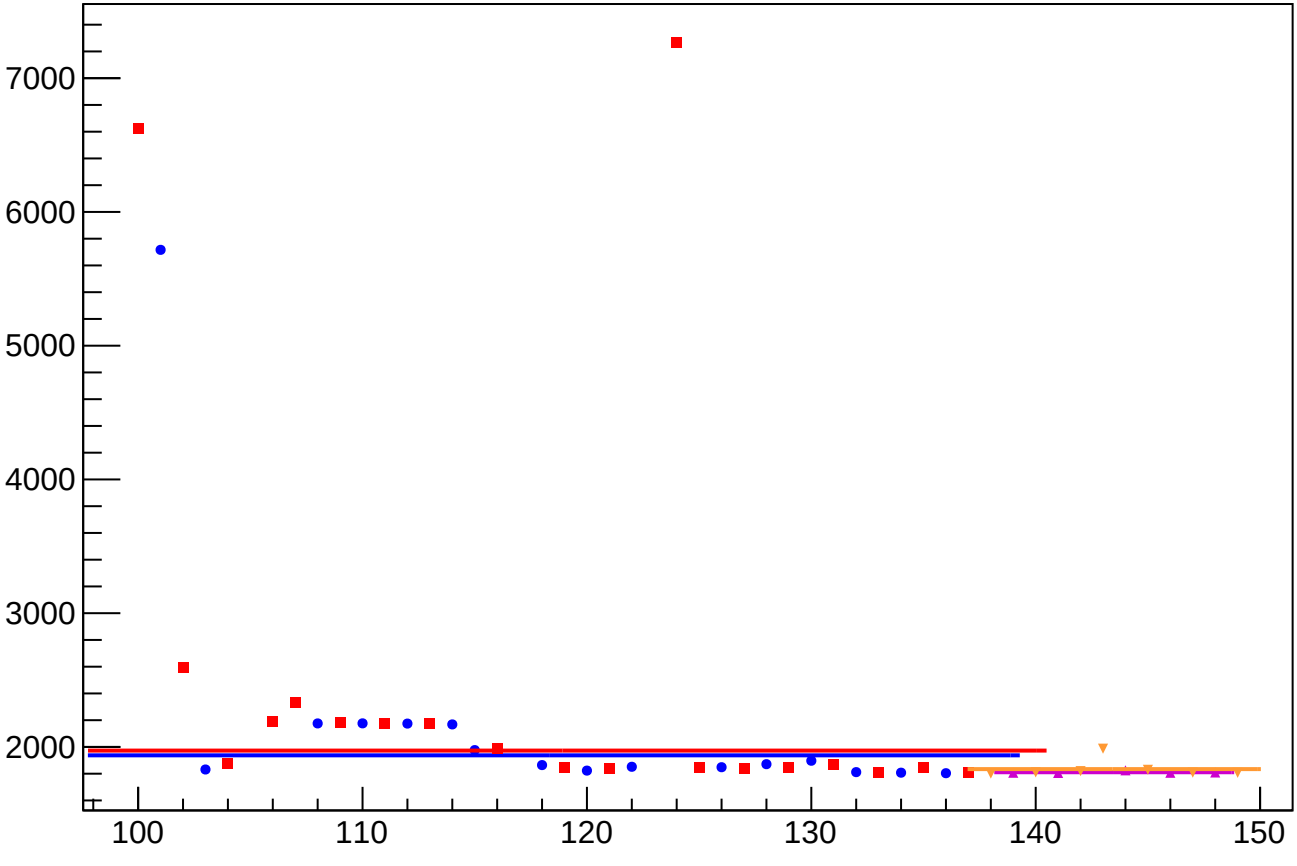
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2329.540+/-560.845 χ^2/NDF:25.3/20

Out: 1901.861+/-539.734 χ^2/NDF:21.9/25

All: 2107.500+/-388.898 χ^2/NDF: 47.5/46

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1834.265+/-0.561 χ^2/NDF:11321.6/6

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

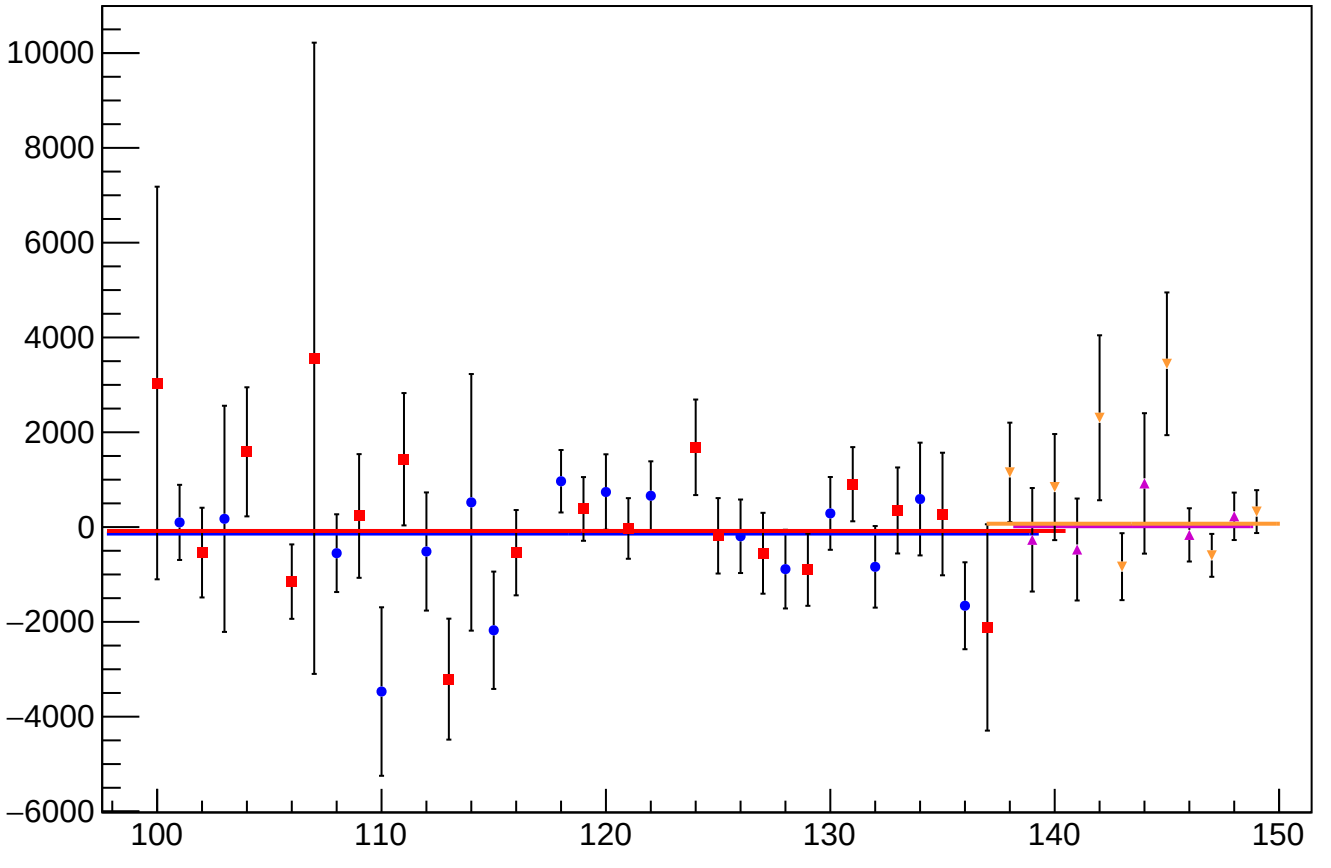
Left: 1823.594+/-0.413 χ^2/NDF: 12257.3/11

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1884.215+/-0.397 χ^2/NDF:662967.0/20

Out: 1908.591+/-0.382 χ^2/NDF:421603.4/25

All: 1896.870+/-0.275 χ^2/NDF: 1086531.9/46



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 70.836+/-264.859 χ^2/NDF:12.4/6

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: 50.074+/-205.950 χ^2/NDF: 13.3/11

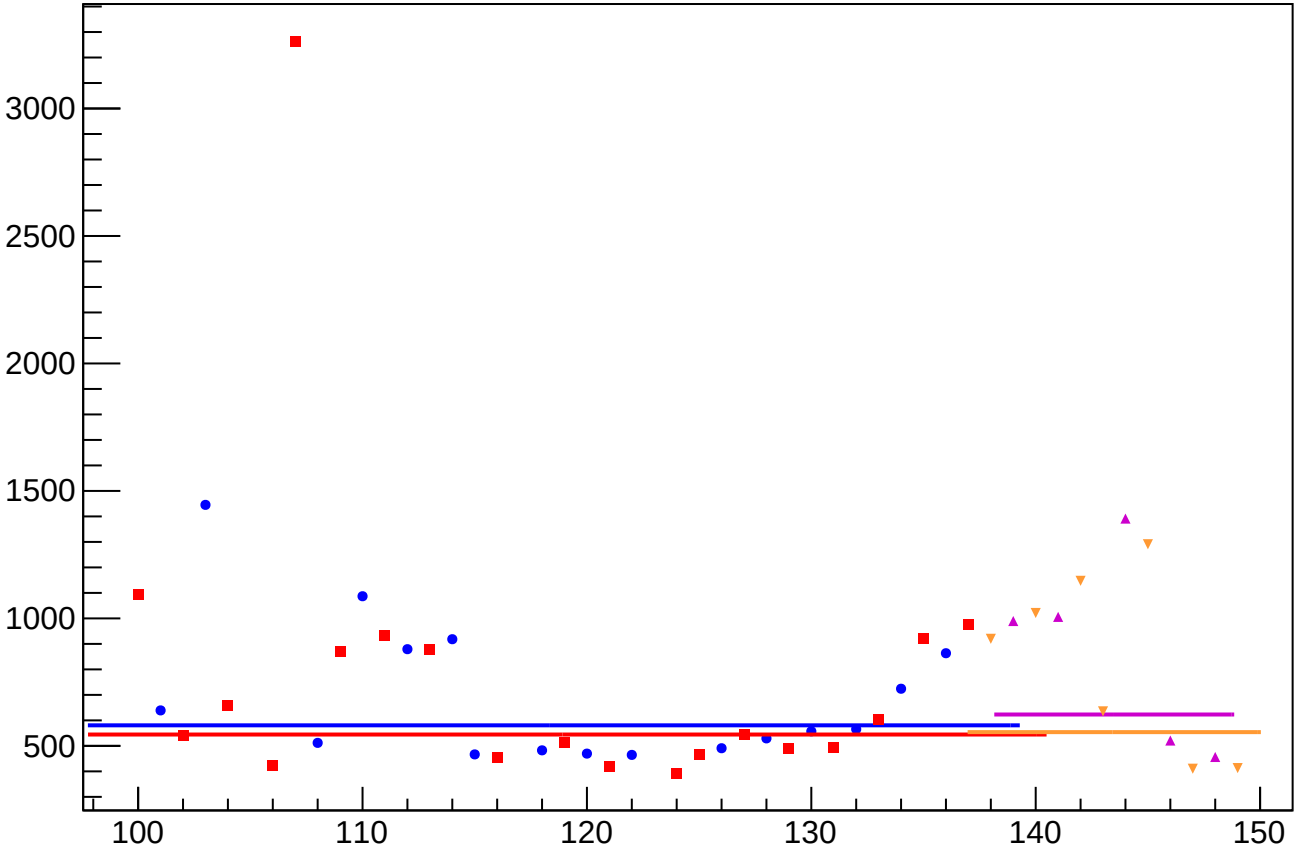
Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -85.337+/-188.463 χ^2/NDF:18.0/20

Out: -19.101+/-170.147 χ^2/NDF:32.3/25

All: -48.845+/-126.293 χ^2/NDF: 50.3/46

asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 553.935+/-0.187 χ^2/NDF:1726336.2/6

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 623.044+/-0.232 χ^2/NDF:1304944.1/4

Left: 581.258+/-0.146 χ^2/NDF: 3085116.6/11

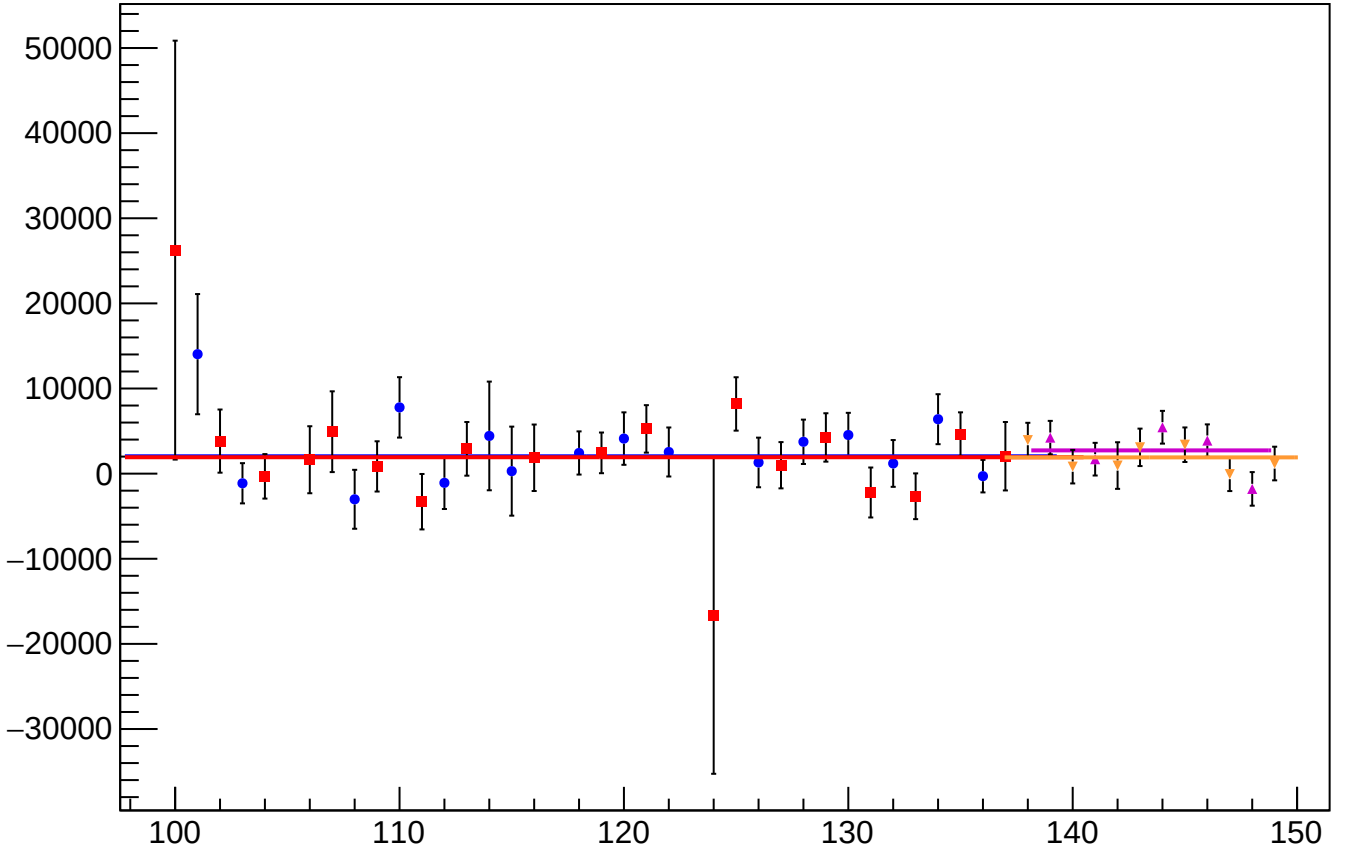
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 594.660+/-0.133 χ^2/NDF:2330809.0/20

Out: 548.411+/-0.120 χ^2/NDF:3015460.1/25

All: 569.179+/-0.089 χ^2/NDF: 5412623.8/46

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1909.407+/-792.926 χ^2/NDF:3.4/6

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: 2284.315+/-584.737 χ^2/NDF: 12.3/11

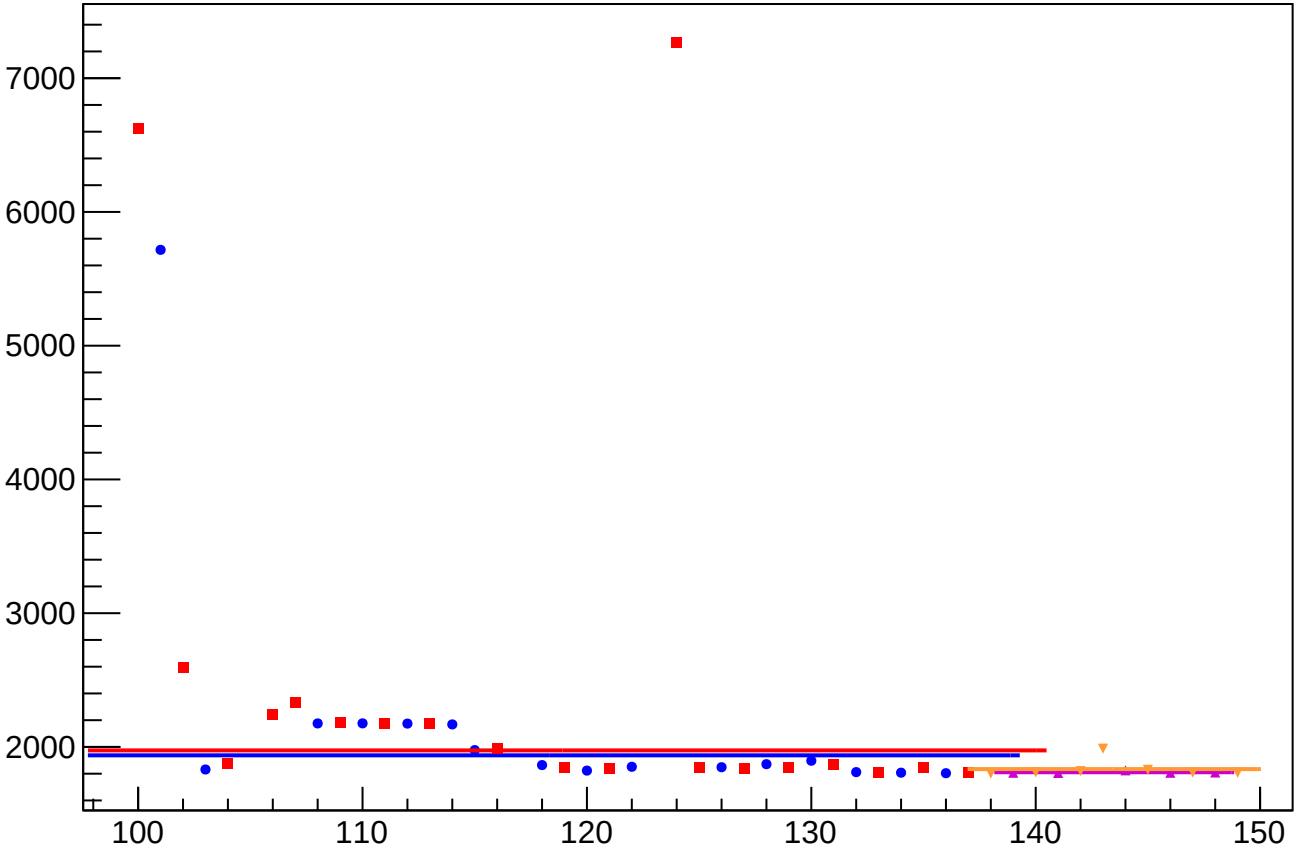
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2329.420+/-560.845 χ^2/NDF:25.3/20

Out: 1918.446+/-539.989 χ^2/NDF:21.8/25

All: 2116.150+/-388.994 χ^2/NDF: 47.4/46

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1834.265+/-0.561 χ^2/NDF:11321.6/6

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.872+/-0.612 χ^2/NDF:141.7/4

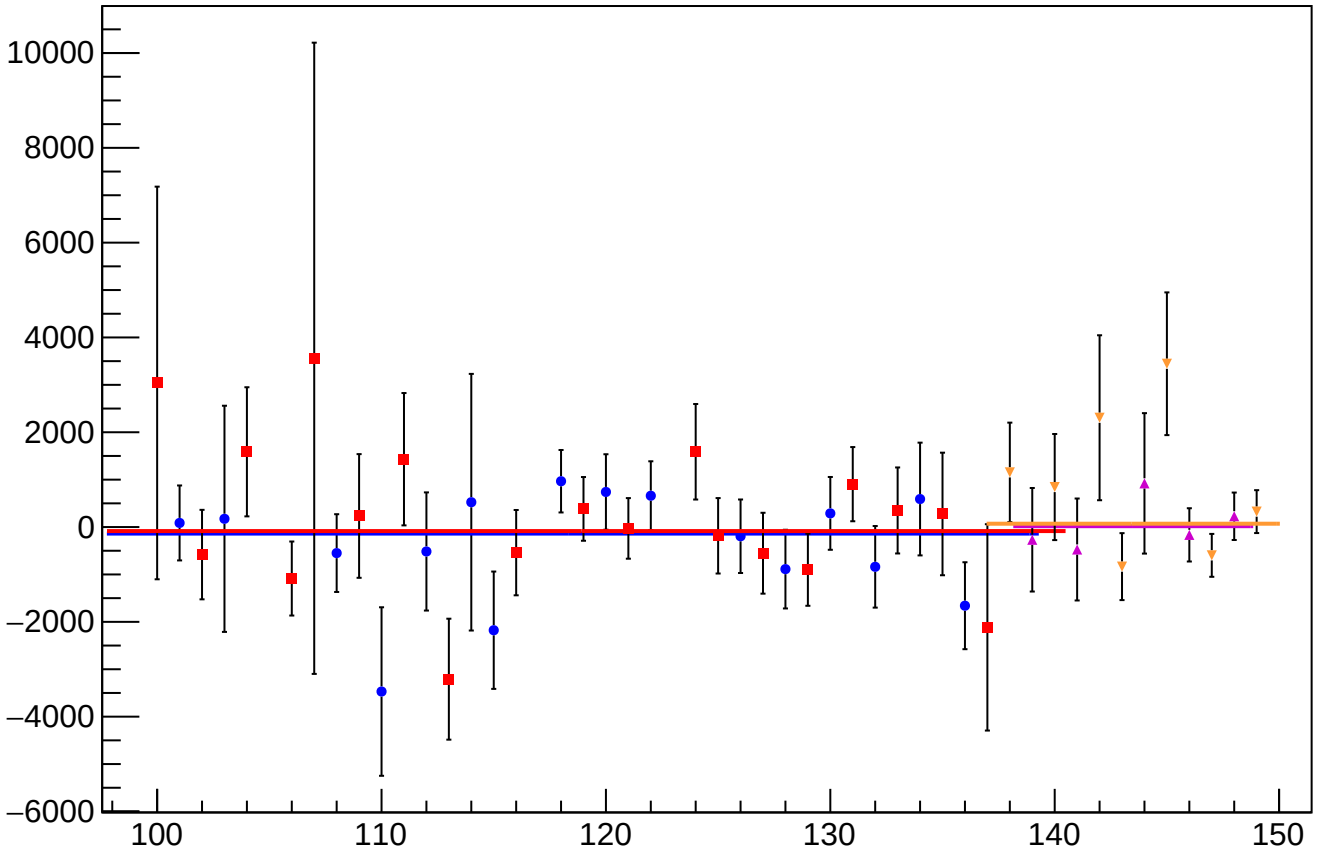
Left: 1823.594+/-0.413 χ^2/NDF: 12257.3/11

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1884.215+/-0.397 χ^2/NDF:662967.0/20

Out: 1909.278+/-0.382 χ^2/NDF:425132.5/25

All: 1897.221+/-0.275 χ^2/NDF: 1090172.2/46



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 70.442+/-264.859 χ^2/NDF:12.4/6

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 18.411+/-327.530 χ^2/NDF:0.9/4

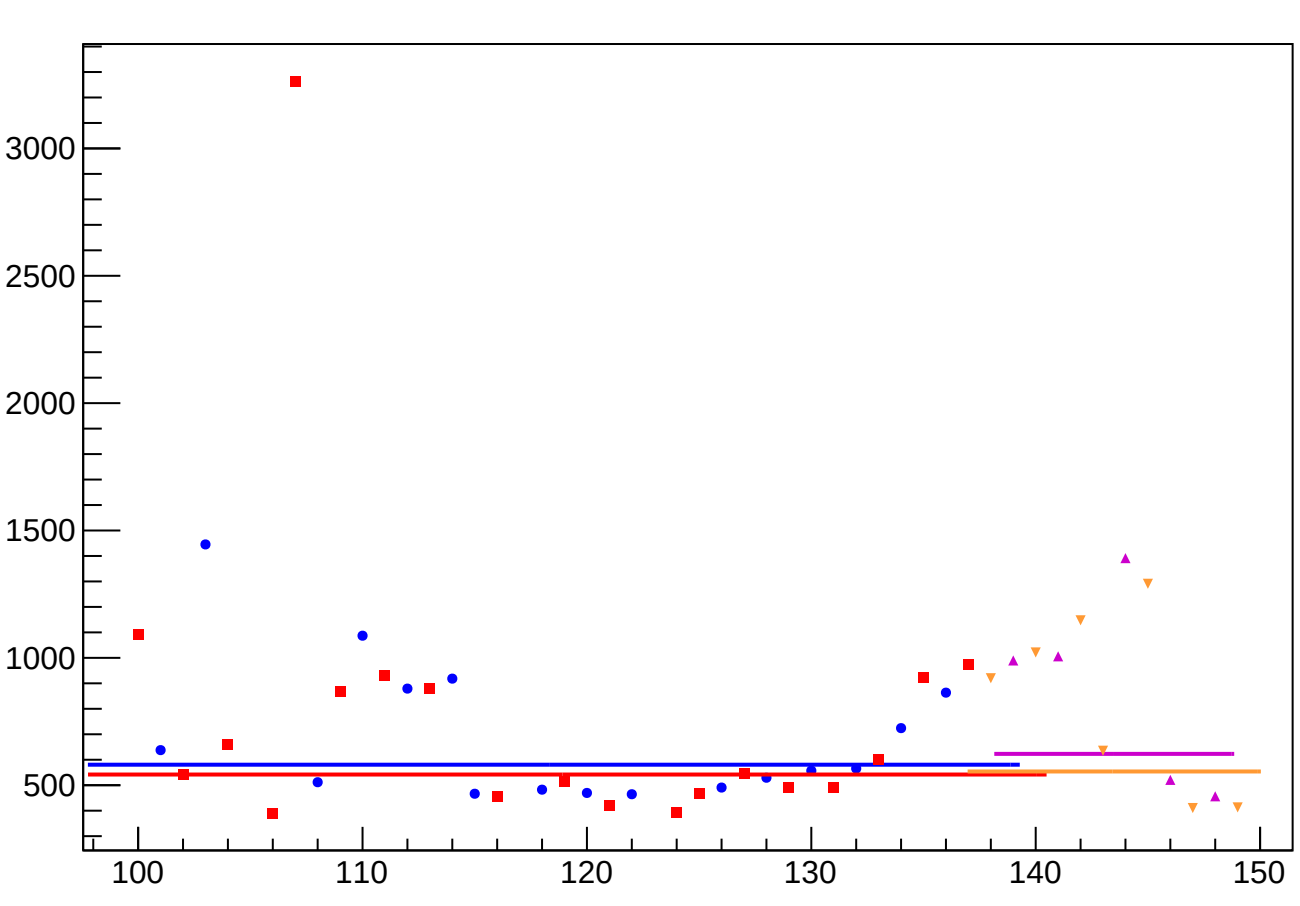
Left: 49.870+/-205.948 χ^2/NDF: 13.3/11

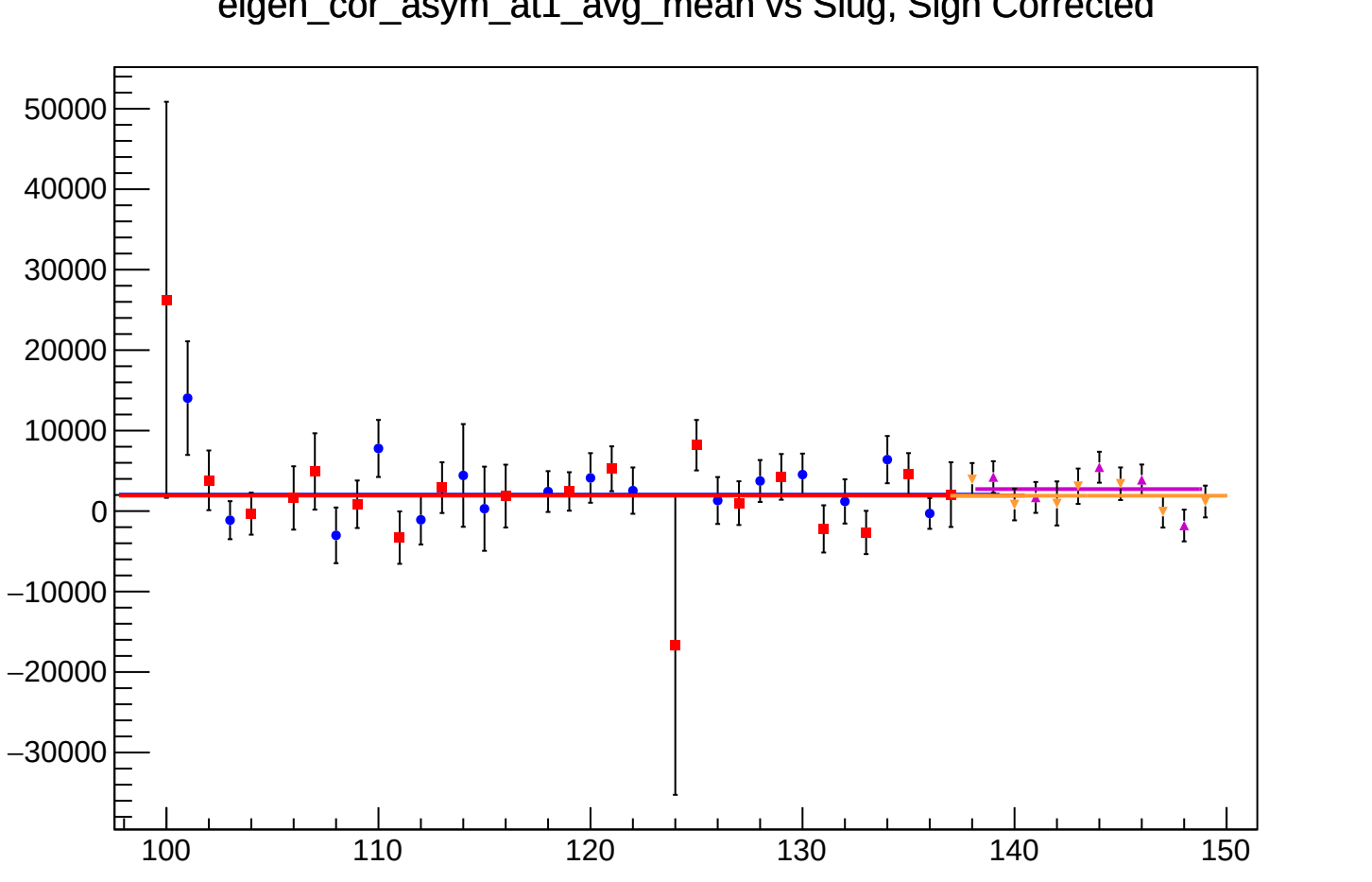
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -85.888+/-188.435 χ^2/NDF:18.0/20

Out: -20.867+/-170.085 χ^2/NDF:31.8/25

All: -50.058+/-126.259 χ^2/NDF: 49.9/46


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: 553.933+/-0.187 χ²/NDF:1726321.5/6
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 623.025+/-0.232 χ²/NDF:1305049.1/4
Left: 581.251+/-0.146 χ²/NDF: 3085181.6/11
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 594.588+/-0.133 χ²/NDF:2330485.2/20
Out: 546.885+/-0.120 χ²/NDF:3047582.2/25
All: 568.301+/-0.089 χ²/NDF: 5448697.8/46



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1909.407+/-792.926 χ^2/NDF:3.4/6

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: 2284.315+/-584.737 χ^2/NDF: 12.3/11

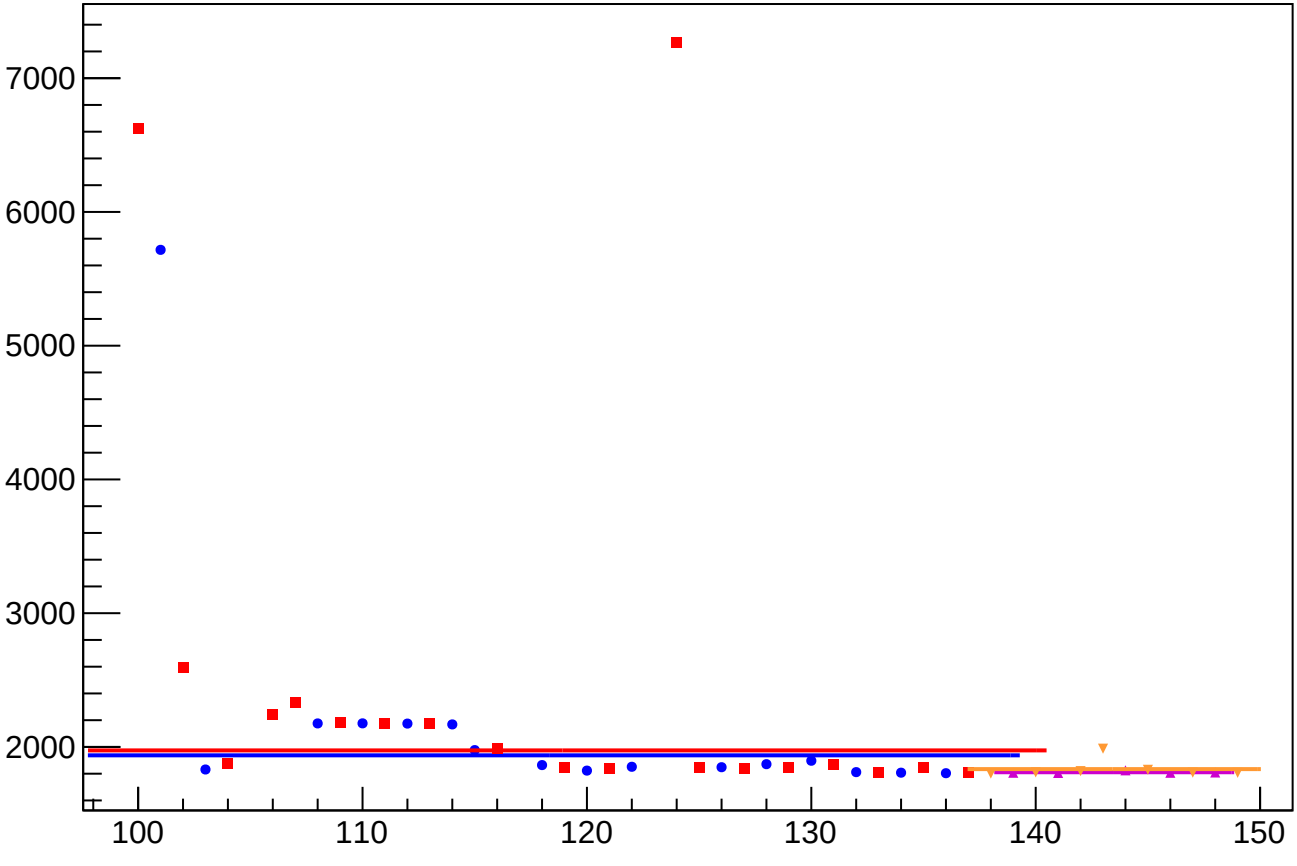
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2329.420+/-560.845 χ^2/NDF:25.3/20

Out: 1918.446+/-539.989 χ^2/NDF:21.8/25

All: 2116.150+/-388.994 χ^2/NDF: 47.4/46

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1834.265+/-0.561 χ^2/NDF:11321.6/6

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: 1823.594+/-0.413 χ^2/NDF: 12257.3/11

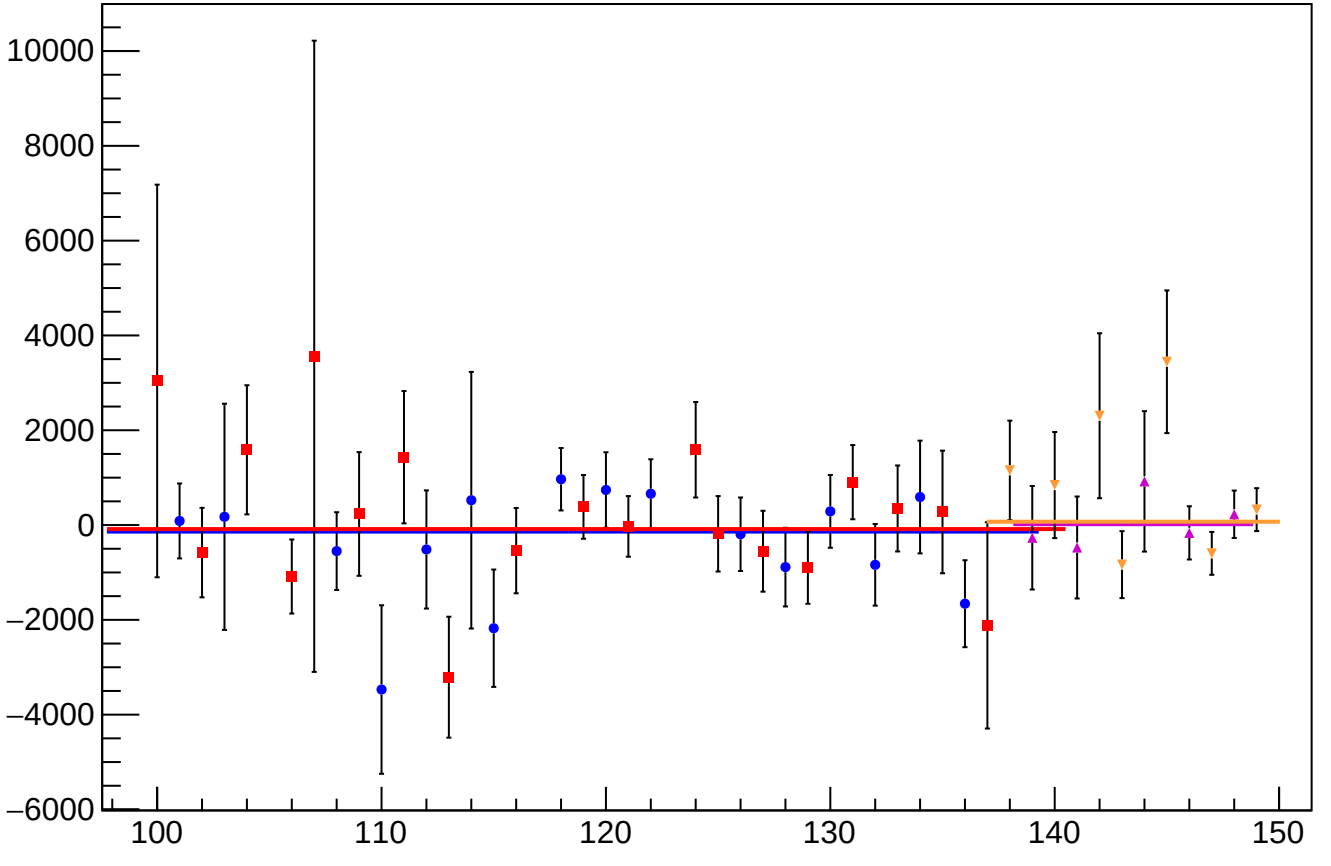
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1884.215+/-0.397 χ^2/NDF:662967.0/20

Out: 1909.278+/-0.382 χ^2/NDF:425132.5/25

All: 1897.221+/-0.275 χ^2/NDF: 1090172.2/46

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: 70.442+/-264.859 χ^2/NDF:12.4/6

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 18.411+/-327.530 χ^2/NDF:0.9/4

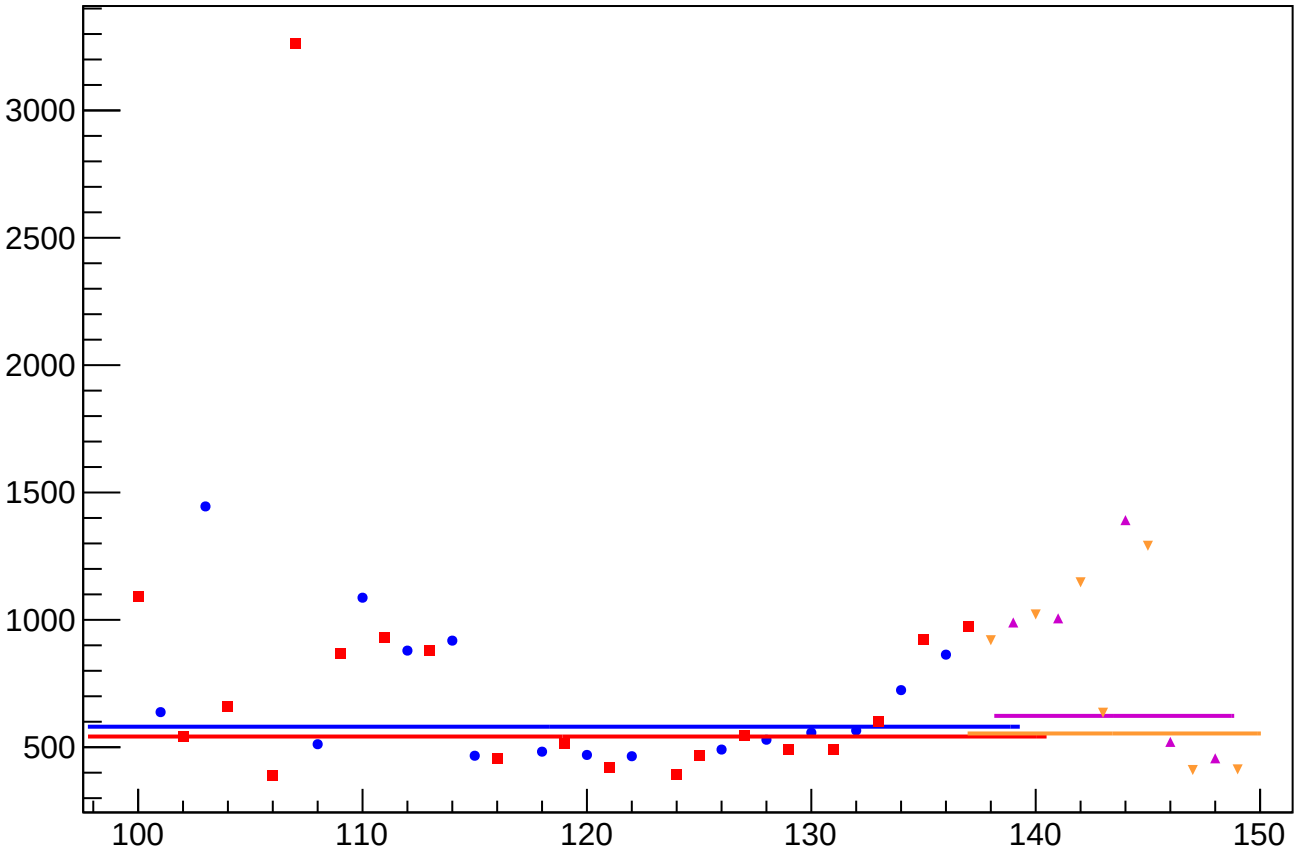
Left: 49.870+/-205.948 χ^2/NDF: 13.3/11

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -85.888+/-188.435 χ^2/NDF:18.0/20

Out: -20.867+/-170.085 χ^2/NDF:31.8/25

All: -50.058+/-126.259 χ^2/NDF: 49.9/46



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 553.933+/-0.187 χ^2/NDF:1726321.5/6

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 623.025+/-0.232 χ^2/NDF:1305049.1/4

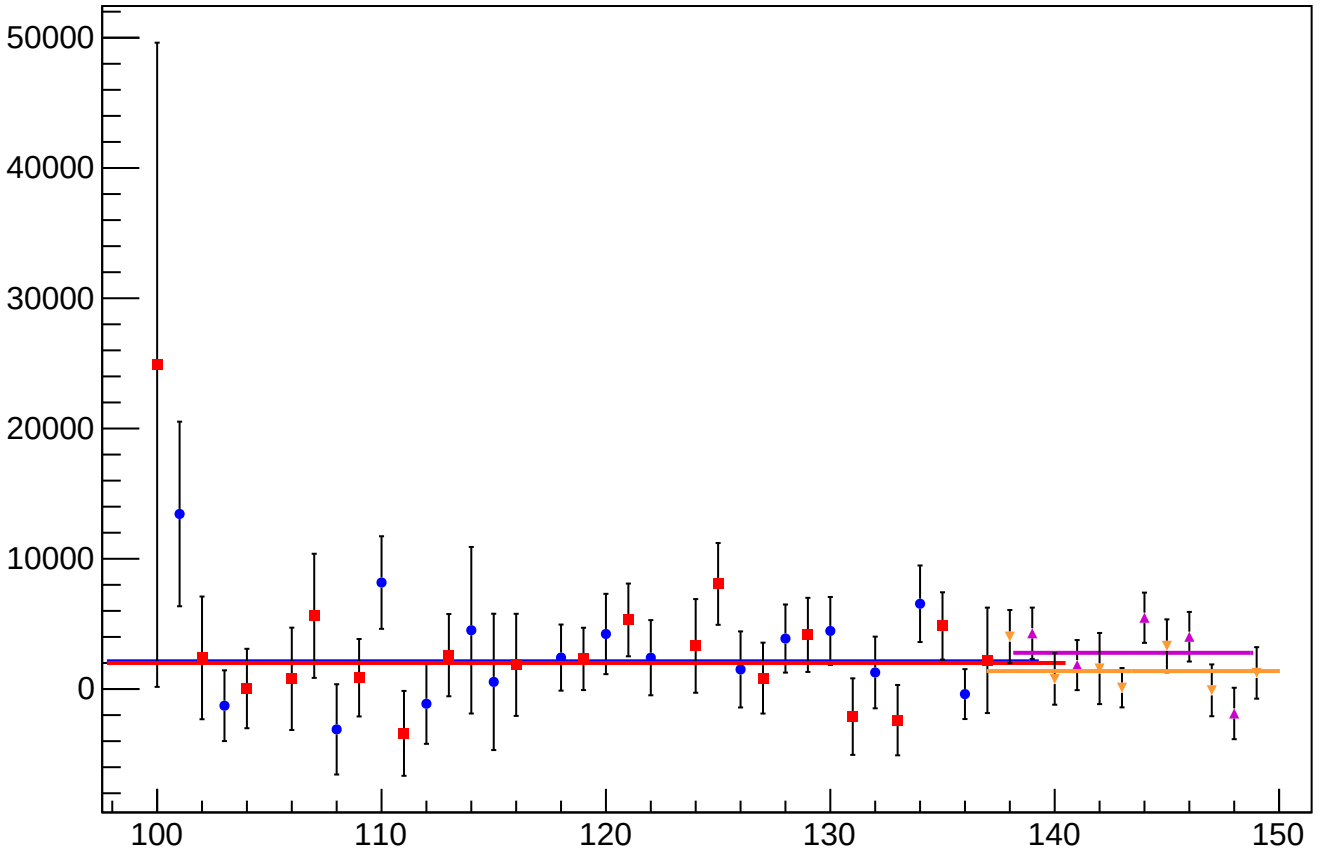
Left: 581.251+/-0.146 χ^2/NDF: 3085181.6/11

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 594.588+/-0.133 χ^2/NDF:2330485.2/20

Out: 546.885+/-0.120 χ^2/NDF:3047582.2/25

All: 568.301+/-0.089 χ^2/NDF: 5448697.8/46



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1381.451+/-741.414 χ^2/NDF:4.0/6

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: 1972.871+/-563.528 χ^2/NDF: 14.2/11

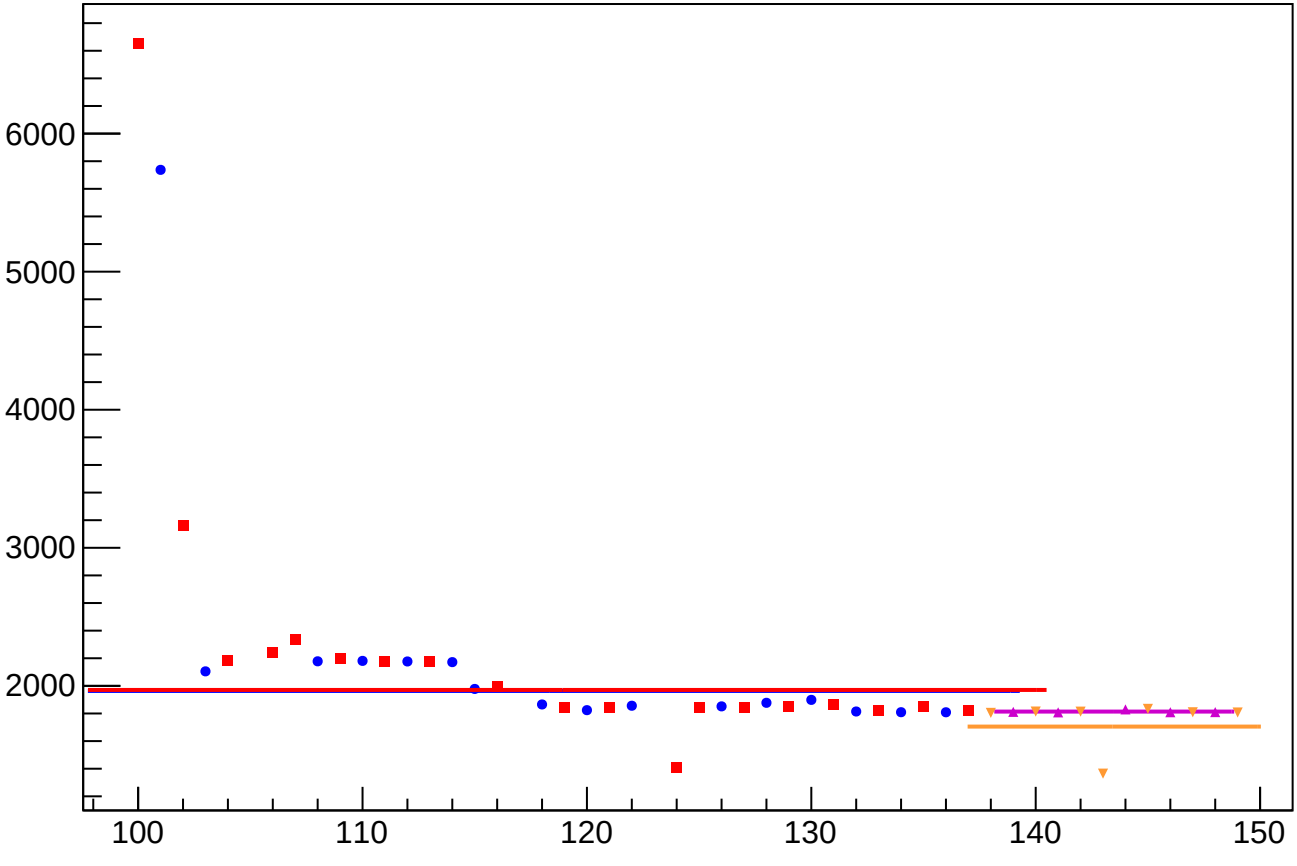
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2406.662+/-565.639 χ^2/NDF:25.6/20

Out: 1693.607+/-522.761 χ^2/NDF:21.0/25

All: 2022.087+/-383.913 χ^2/NDF: 47.5/46

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1705.095+/-0.524 χ^2/NDF:134567.1/6

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1813.806+/-0.613 χ^2/NDF:172.9/4

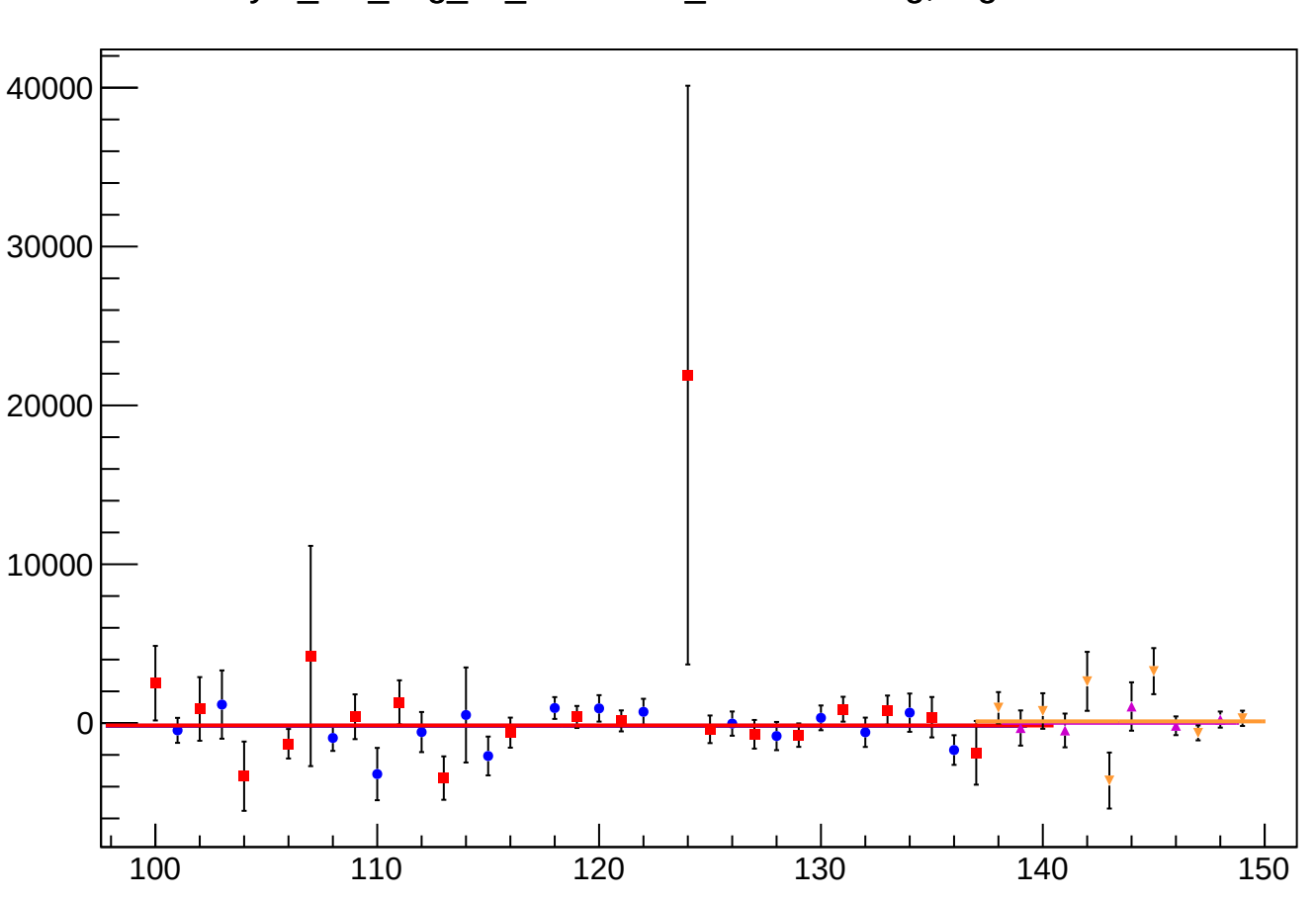
Left: 1751.002+/-0.398 χ^2/NDF: 152898.0/11

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1899.762+/-0.400 χ^2/NDF:674628.6/20

Out: 1838.534+/-0.370 χ^2/NDF:608535.9/25

All: 1866.740+/-0.271 χ^2/NDF: 1295803.3/46



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 110.103+/-291.727 χ^2/NDF:14.7/6

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: 71.333+/-220.027 χ^2/NDF: 15.7/11

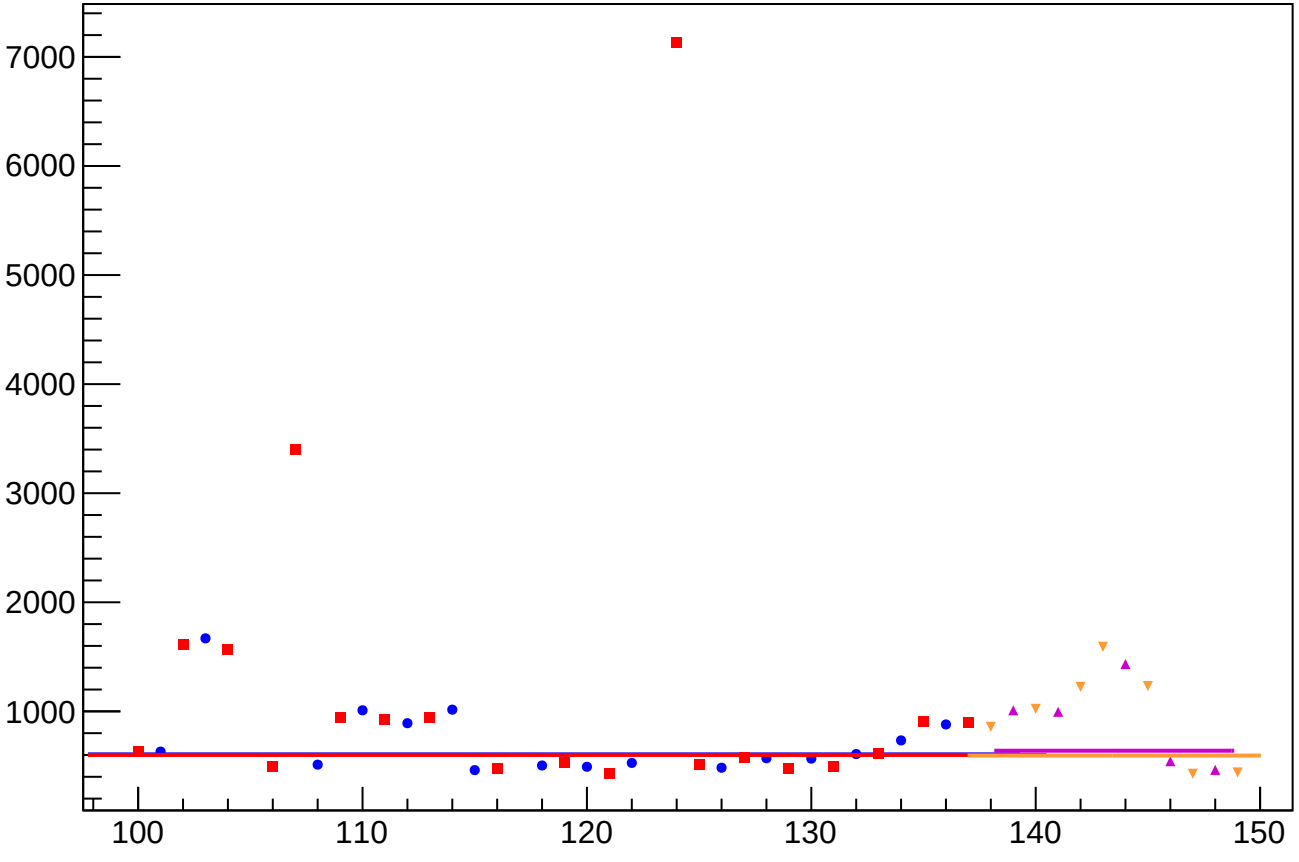
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -107.134+/-193.447 χ^2/NDF:18.5/20

Out: -42.051+/-186.642 χ^2/NDF:35.3/25

All: -73.428+/-134.317 χ^2/NDF: 53.8/46

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 594.708+/-0.206 χ^2/NDF:2152285.0/6

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 639.137+/-0.237 χ^2/NDF:1288124.0/4

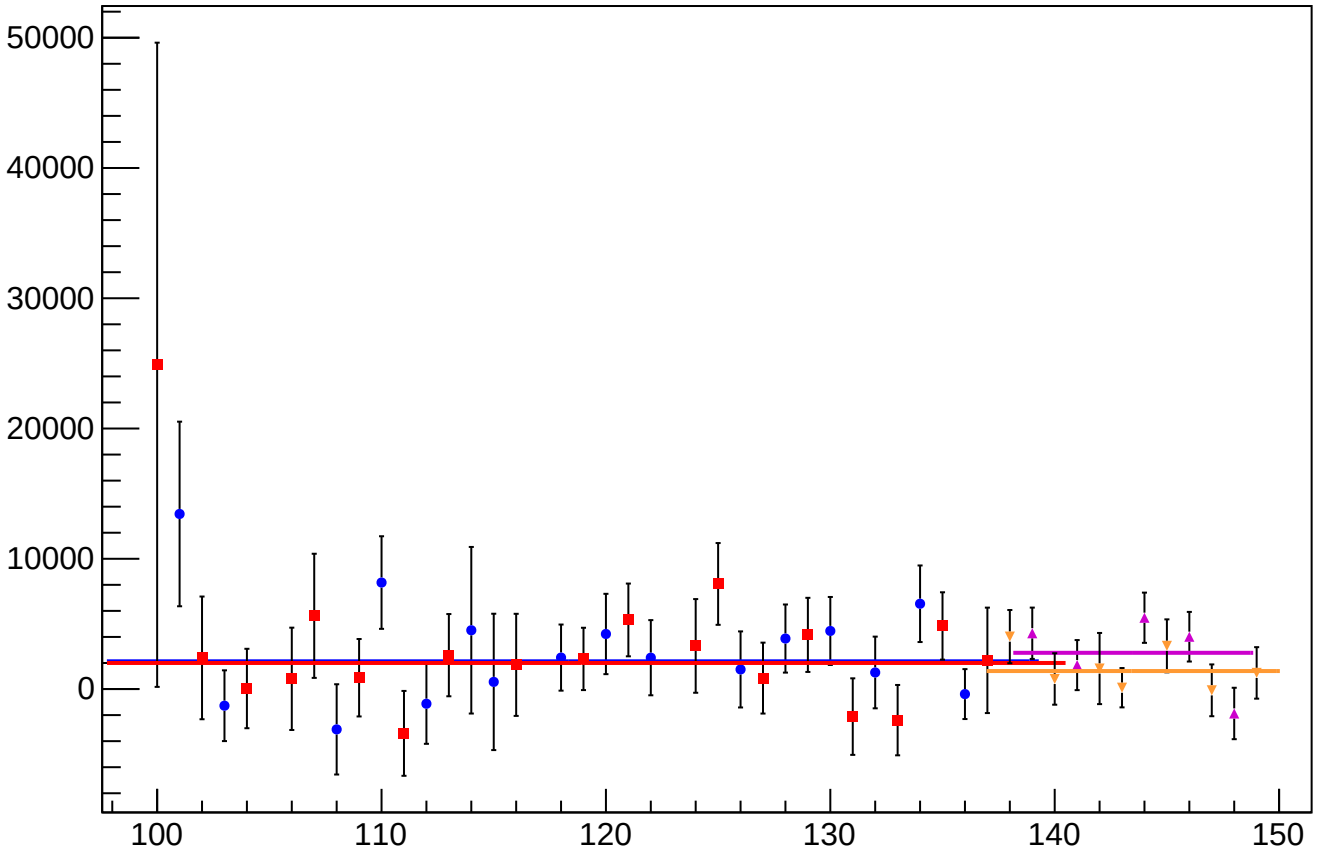
Left: 613.863+/-0.156 χ^2/NDF: 3460409.8/11

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 616.663+/-0.137 χ^2/NDF:2464071.5/20

Out: 598.098+/-0.132 χ^2/NDF:4481266.0/25

All: 607.048+/-0.095 χ^2/NDF: 6954878.1/46



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1381.453+/-741.414 χ^2/NDF:4.0/6

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2781.953+/-867.180 χ^2/NDF:8.8/4

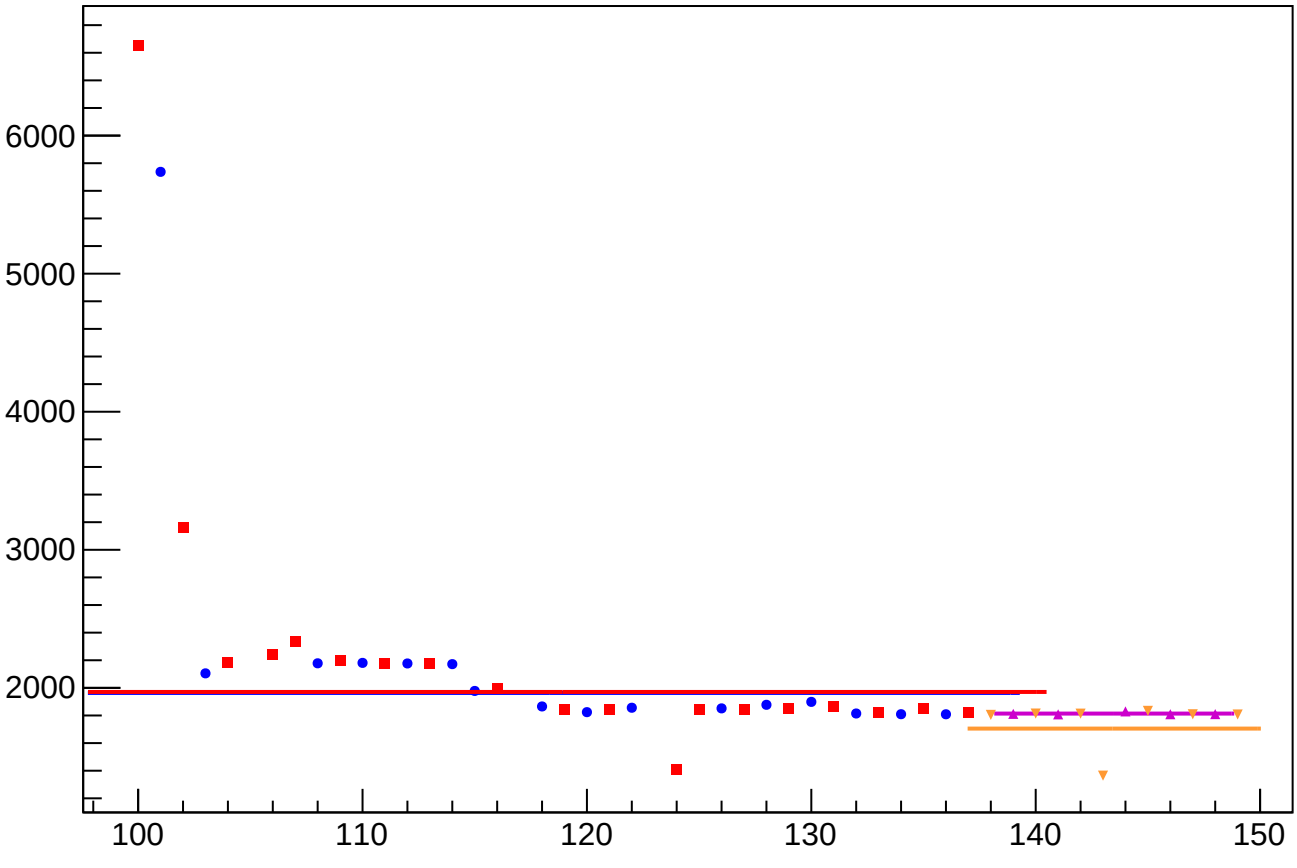
Left: 1972.872+/-563.528 χ^2/NDF: 14.2/11

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2406.660+/-565.639 χ^2/NDF:25.6/20

Out: 1693.607+/-522.761 χ^2/NDF:21.1/25

All: 2022.086+/-383.912 χ^2/NDF: 47.5/46



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1705.095+/-0.524 χ^2/NDF:134567.1/6

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: 1751.002+/-0.398 χ^2/NDF: 152898.0/11

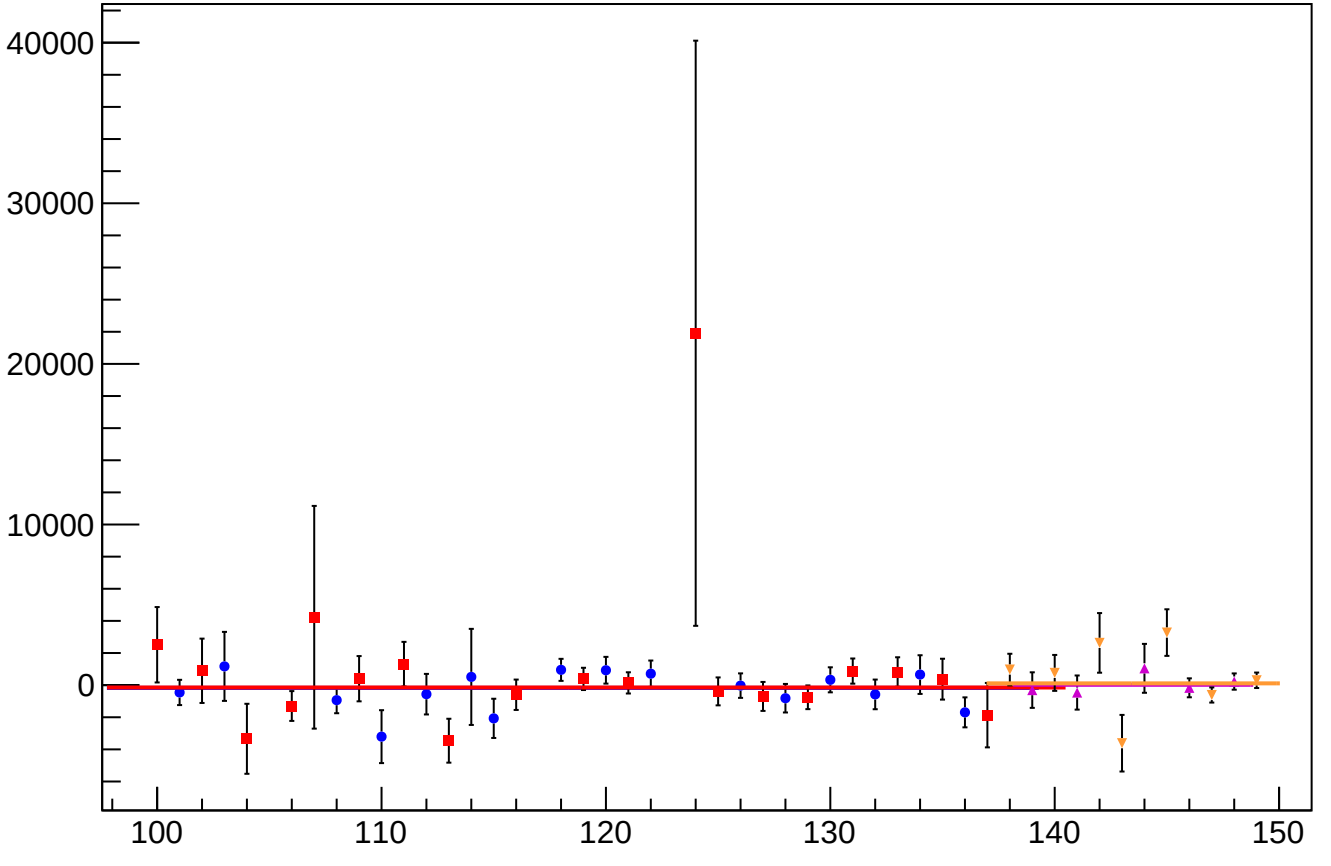
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1899.762+/-0.400 χ^2/NDF:674628.2/20

Out: 1838.534+/-0.370 χ^2/NDF:608534.3/25

All: 1866.740+/-0.271 χ^2/NDF: 1295801.3/46

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: 110.104+/-291.727 χ^2/NDF:14.7/6

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: 71.333+/-220.027 χ^2/NDF: 15.7/11

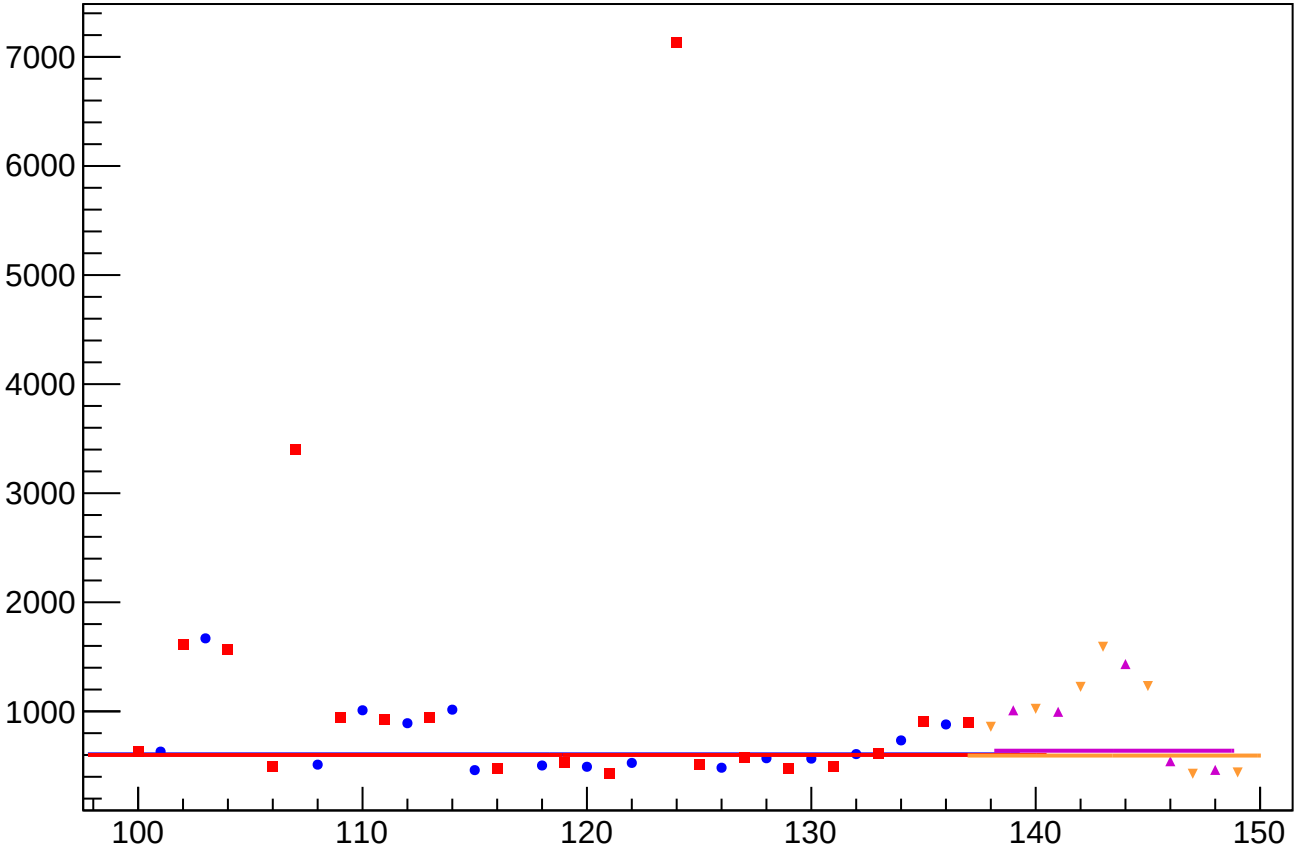
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -107.134+/-193.447 χ^2/NDF:18.5/20

Out: -42.051+/-186.642 χ^2/NDF:35.3/25

All: -73.428+/-134.317 χ^2/NDF: 53.8/46

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: 594.709+/-0.206 χ^2/NDF:2152280.3/6

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: 613.865+/-0.156 χ^2/NDF: 3460402.4/11

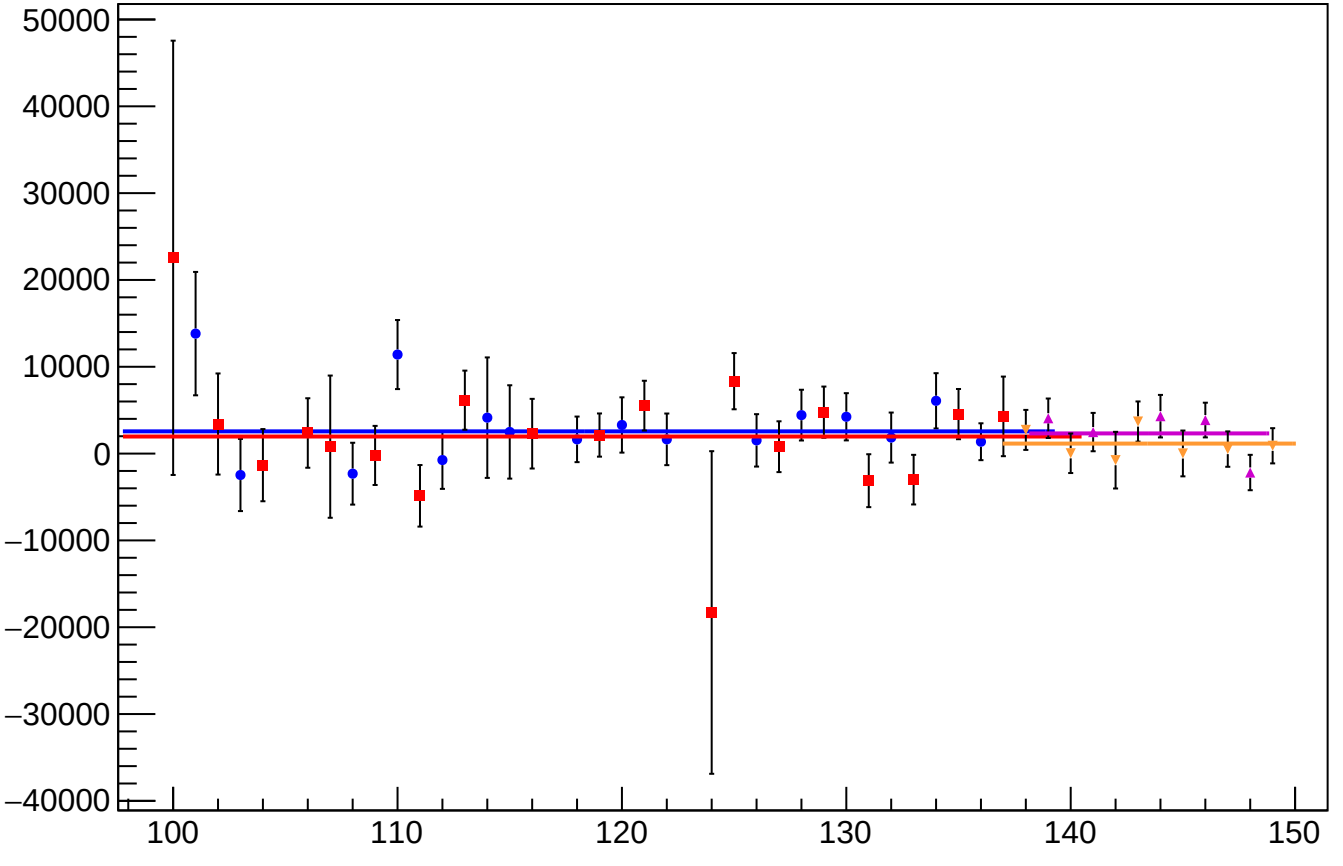
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 616.663+/-0.137 χ^2/NDF:2464078.6/20

Out: 598.098+/-0.132 χ^2/NDF:4481269.0/25

All: 607.048+/-0.095 χ^2/NDF: 6954887.8/46

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1151.929+/-880.580 χ^2/NDF:2.6/6

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: 1679.869+/-652.902 χ^2/NDF: 10.1/11

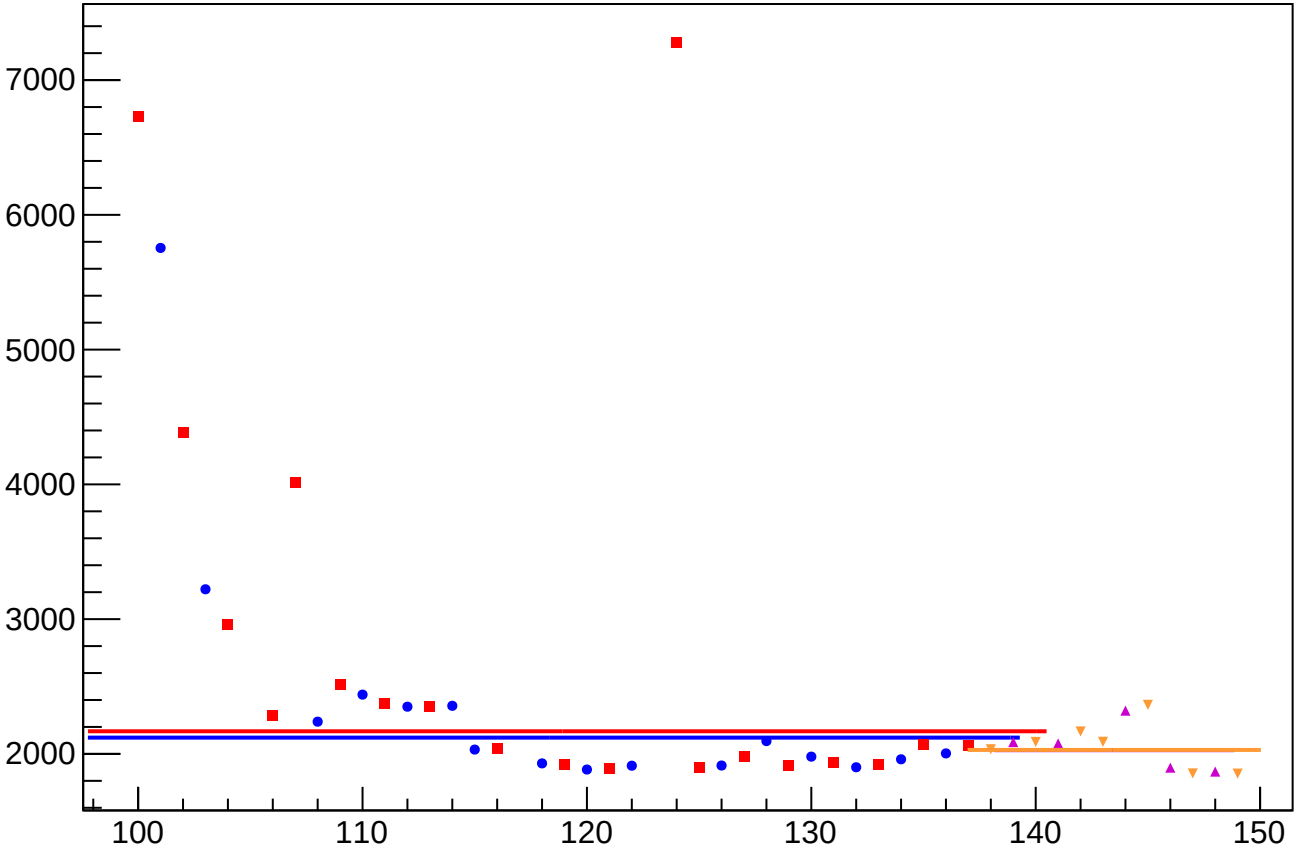
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2464.204+/-622.369 χ^2/NDF:21.4/20

Out: 1588.894+/-599.647 χ^2/NDF:24.6/25

All: 2010.279+/-431.824 χ^2/NDF: 47.0/46

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2029.390+/-0.623 χ^2/NDF:68070.8/6

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2027.540+/-0.688 χ^2/NDF:51654.2/4

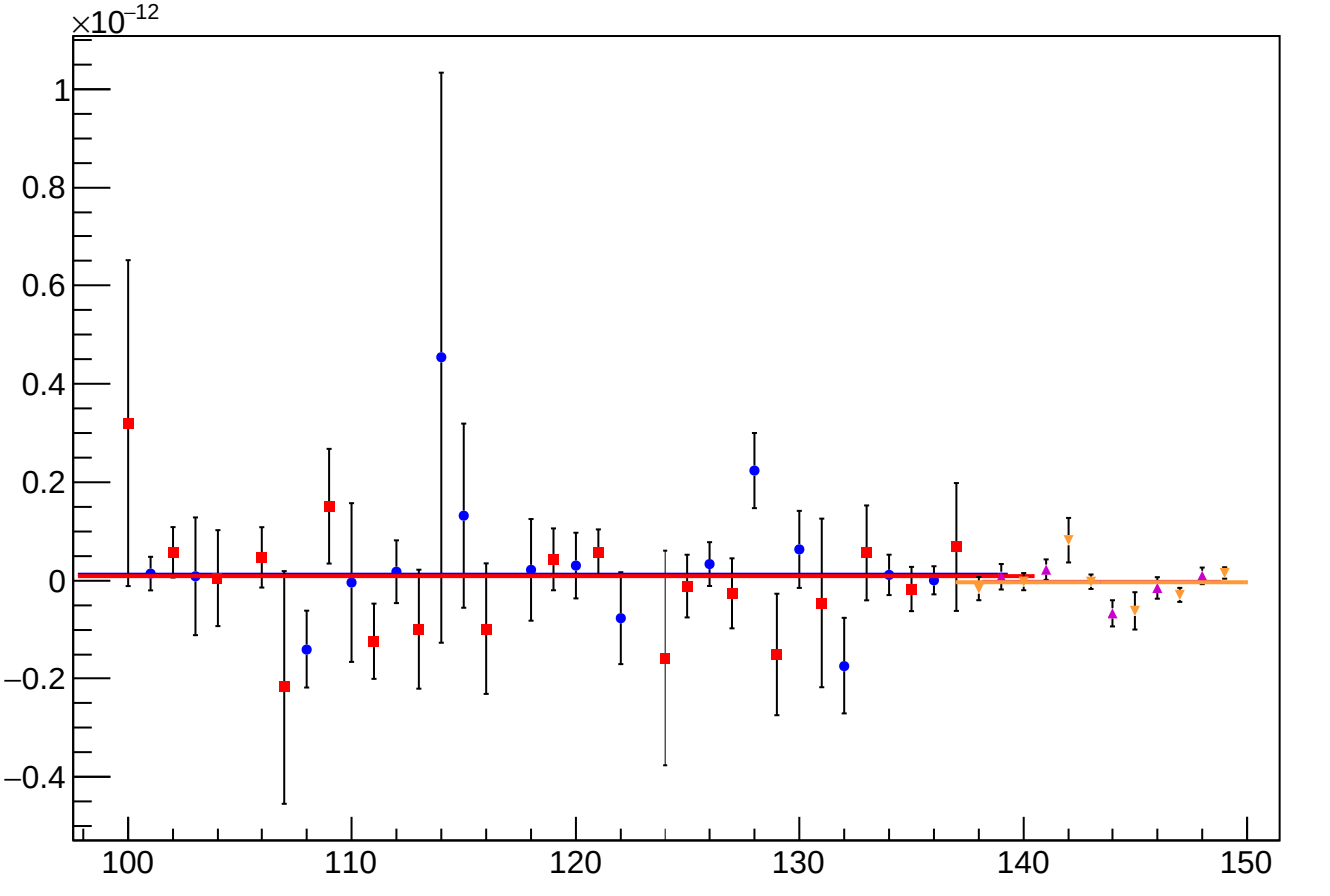
Left: 2028.557+/-0.462 χ^2/NDF: 119729.0/11

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2082.631+/-0.440 χ^2/NDF:822474.3/20

Out: 2103.638+/-0.424 χ^2/NDF:918510.3/25

All: 2093.525+/-0.305 χ^2/NDF: 1742166.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/4

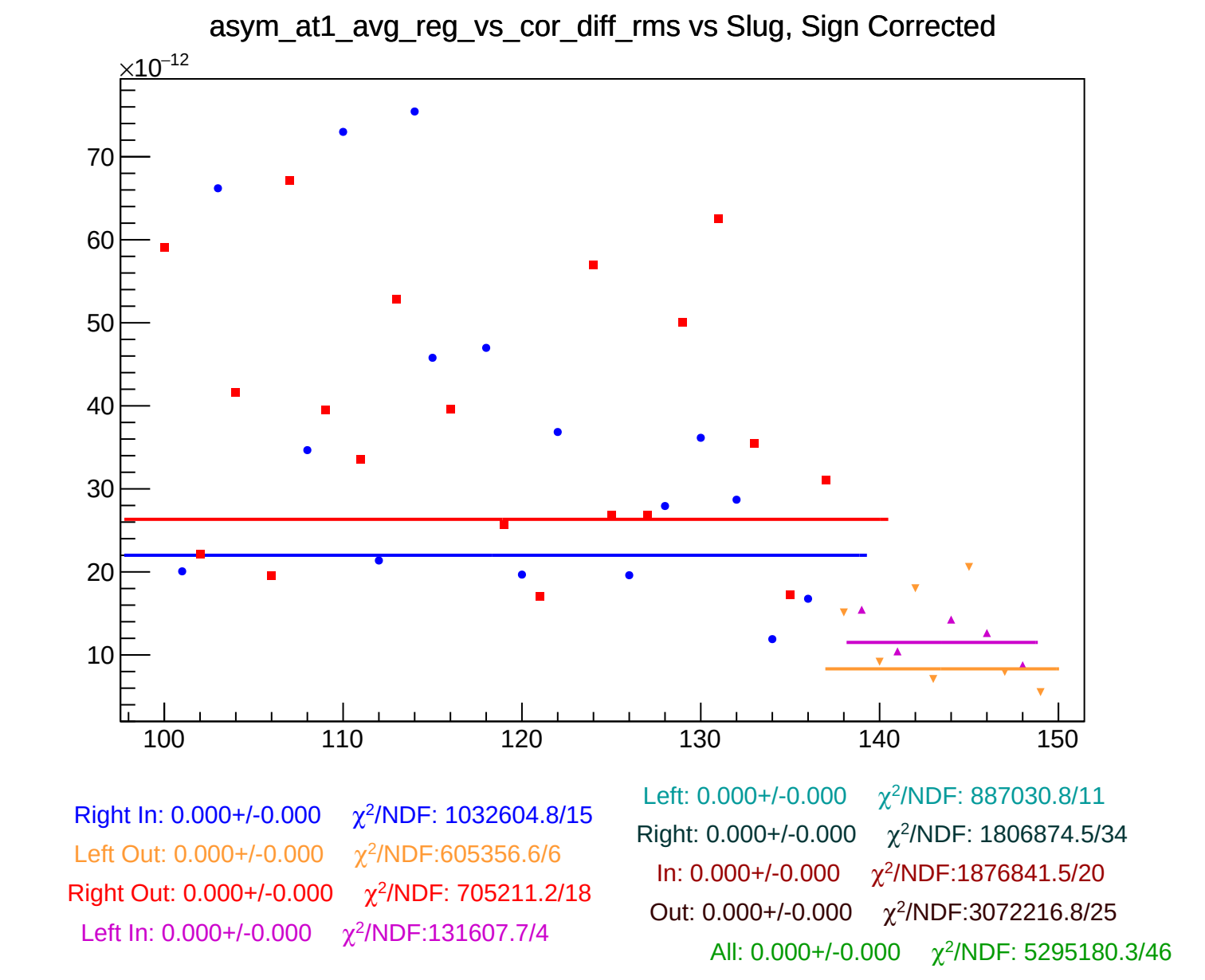
Left: -0.000+/-0.000 χ^2/NDF: 20.3/11

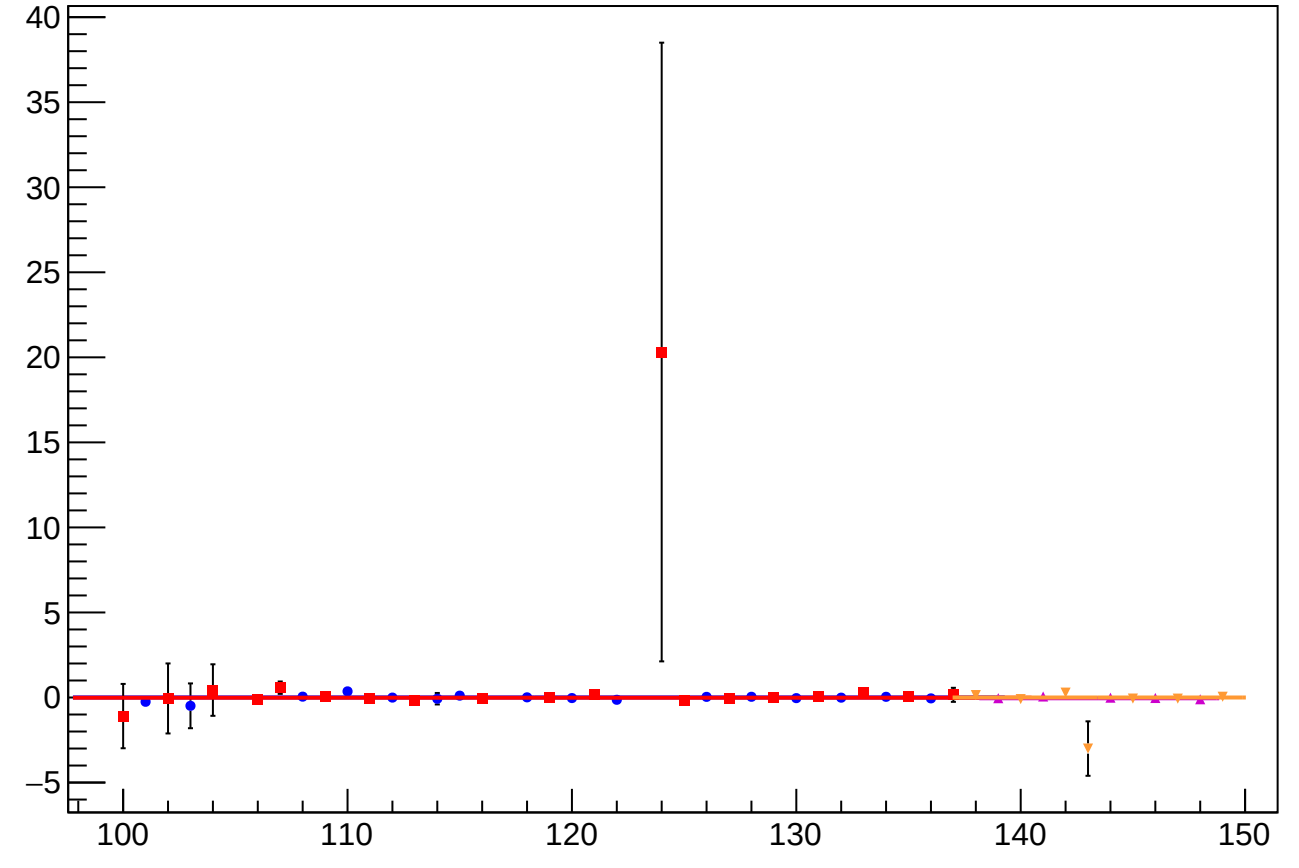
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: 0.000+/-0.000 χ^2/NDF:26.7/20

Out: -0.000+/-0.000 χ^2/NDF:26.3/25

All: -0.000+/-0.000 χ^2/NDF: 53.1/46


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:605356.6/6
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: 887030.8/11
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:3072216.8/25
All: 0.000+/-0.000 χ²/NDF: 5295180.3/46



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

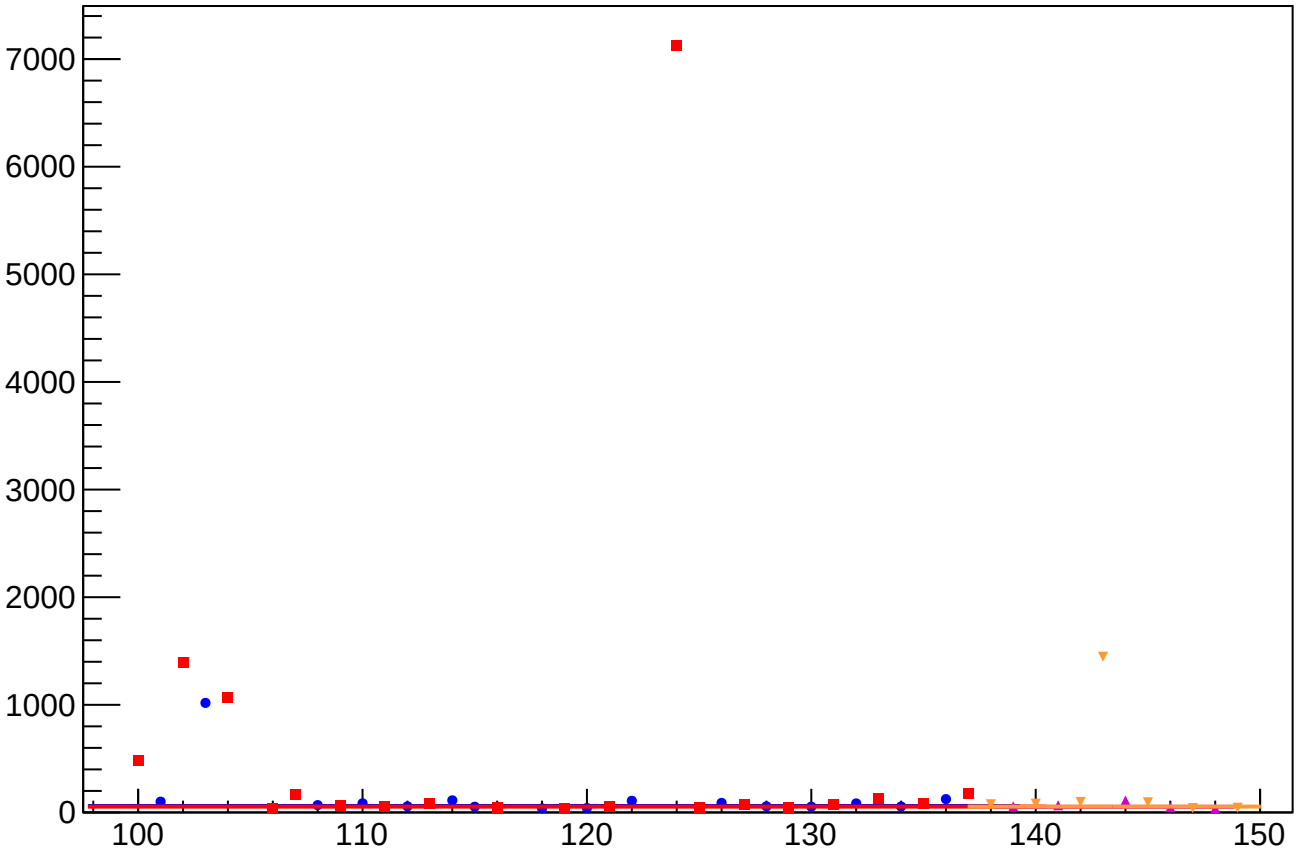
Left: -0.023+/-0.020 χ^2/NDF: 18.3/11

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.007+/-0.019 χ^2/NDF:31.1/25

All: -0.013+/-0.014 χ^2/NDF: 48.0/46



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 54.476+/-0.020 χ^2/NDF:2459436.4/6

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: 53.205+/-0.014 χ^2/NDF: 3221763.2/11

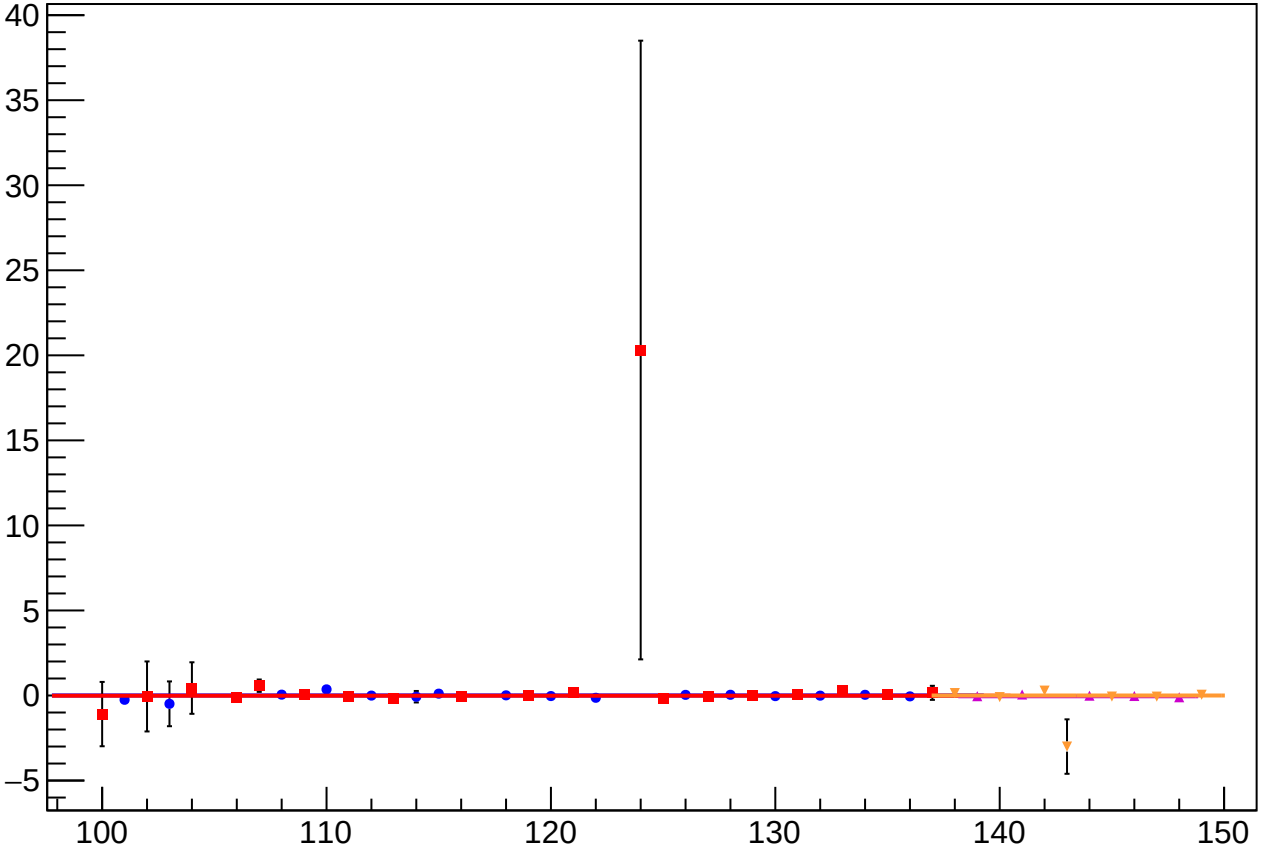
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 56.142+/-0.014 χ^2/NDF:3374991.0/20

Out: 54.349+/-0.014 χ^2/NDF:5981085.6/25

All: 55.237+/-0.010 χ^2/NDF: 9364662.7/46

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: 0.000+/-0.029 χ^2/NDF:13.3/6

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: -0.023+/-0.020 χ^2/NDF: 18.3/11

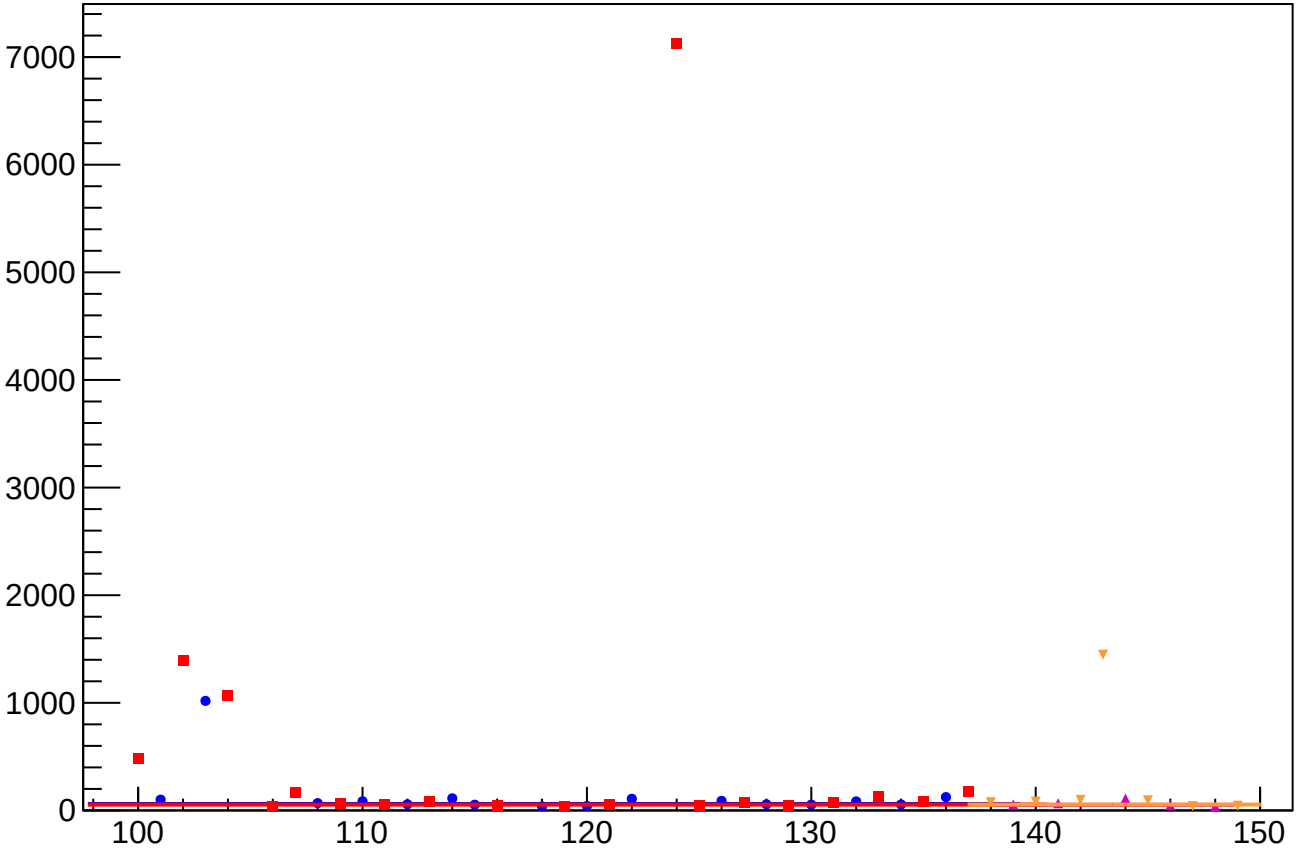
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.007+/-0.019 χ^2/NDF:31.1/25

All: -0.013+/-0.014 χ^2/NDF: 48.0/46

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 54.476+/-0.020 χ^2/NDF:2459436.4/6

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 51.986+/-0.020 χ^2/NDF:754759.5/4

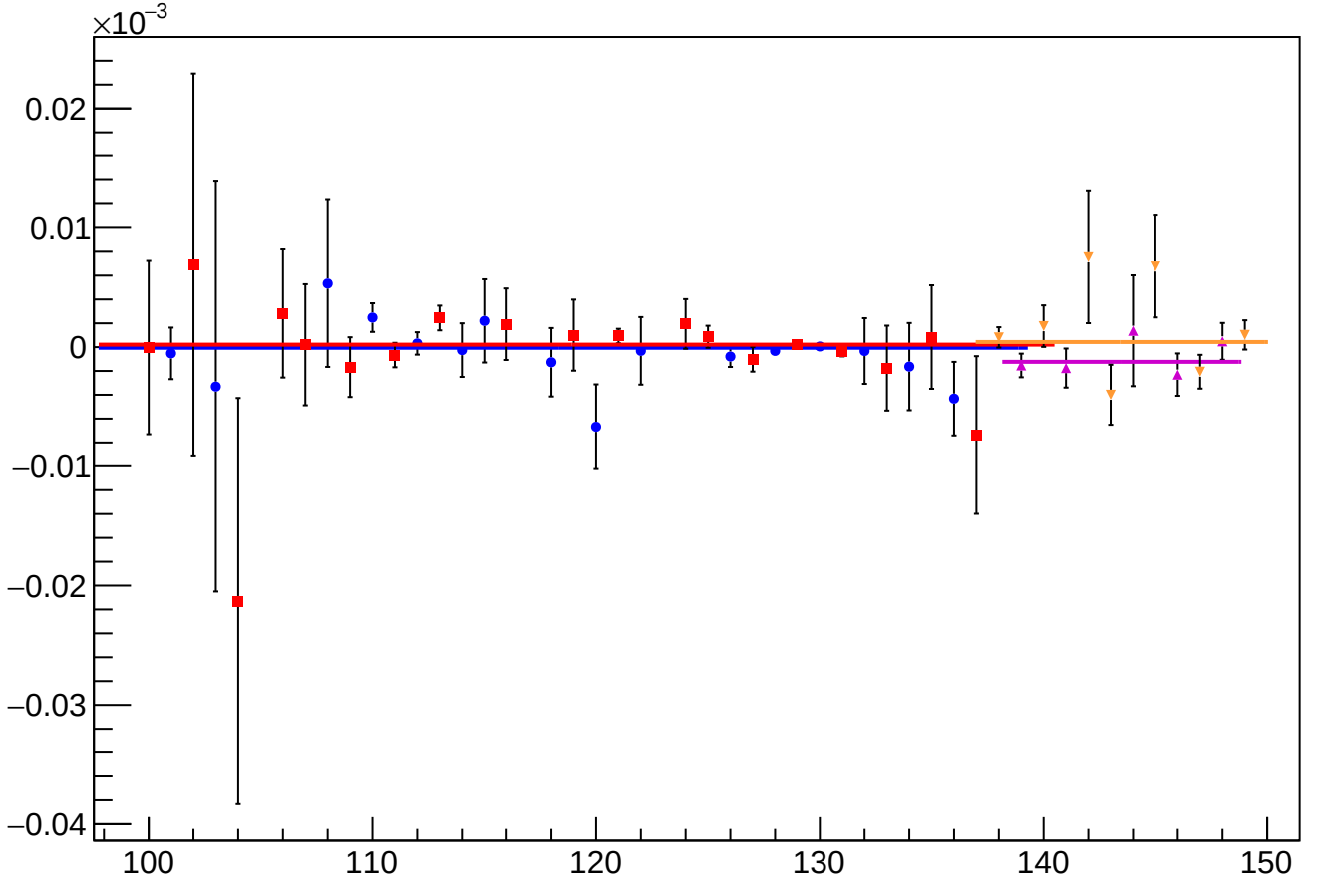
Left: 53.205+/-0.014 χ^2/NDF: 3221763.2/11

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 56.142+/-0.014 χ^2/NDF:3374991.0/20

Out: 54.349+/-0.014 χ^2/NDF:5981085.6/25

All: 55.237+/-0.010 χ^2/NDF: 9364662.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

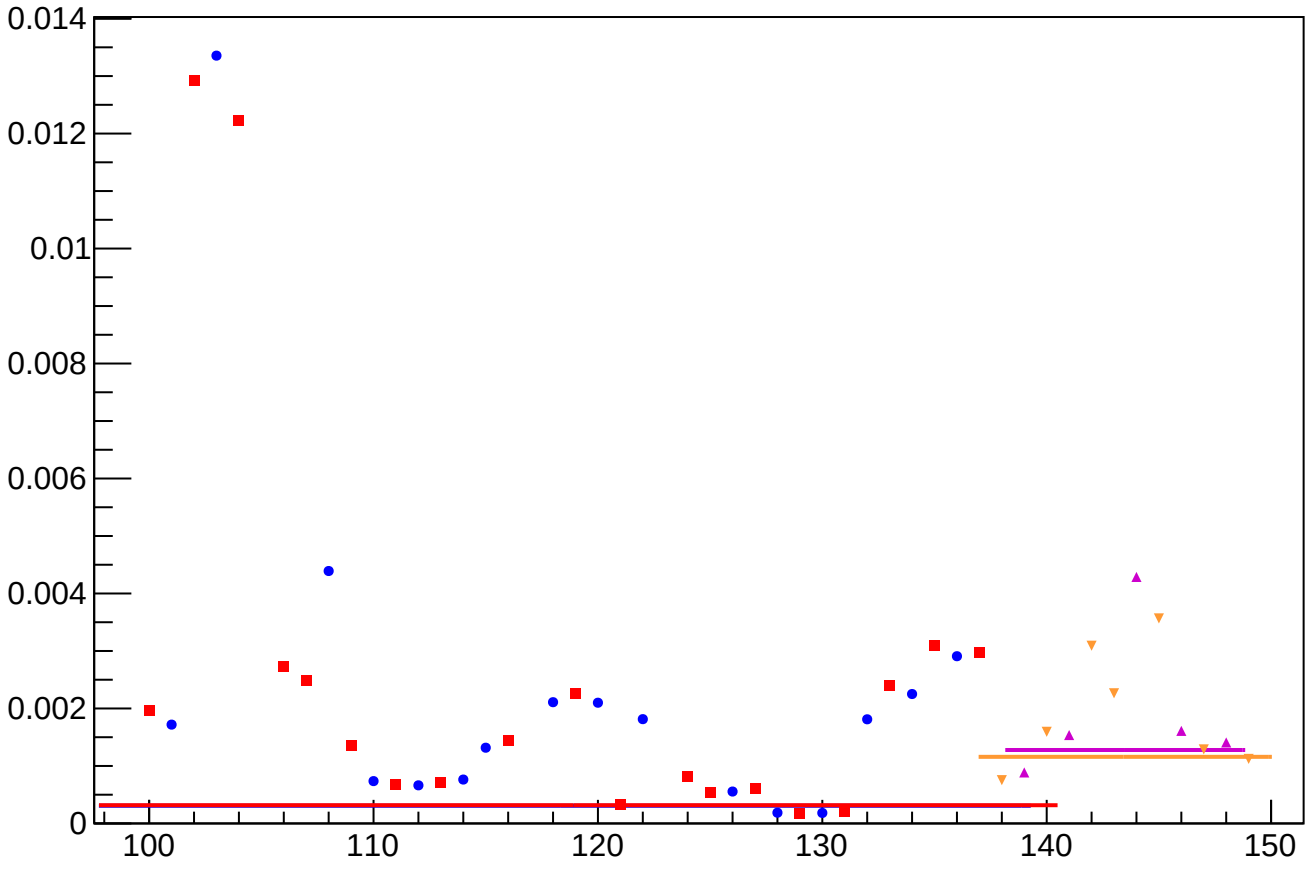
Left: -0.000+/-0.000 χ^2/NDF: 16.7/11

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:26.8/25

All: 0.000+/-0.000 χ^2/NDF: 46.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1860216.4/6

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: 3178282.2/11

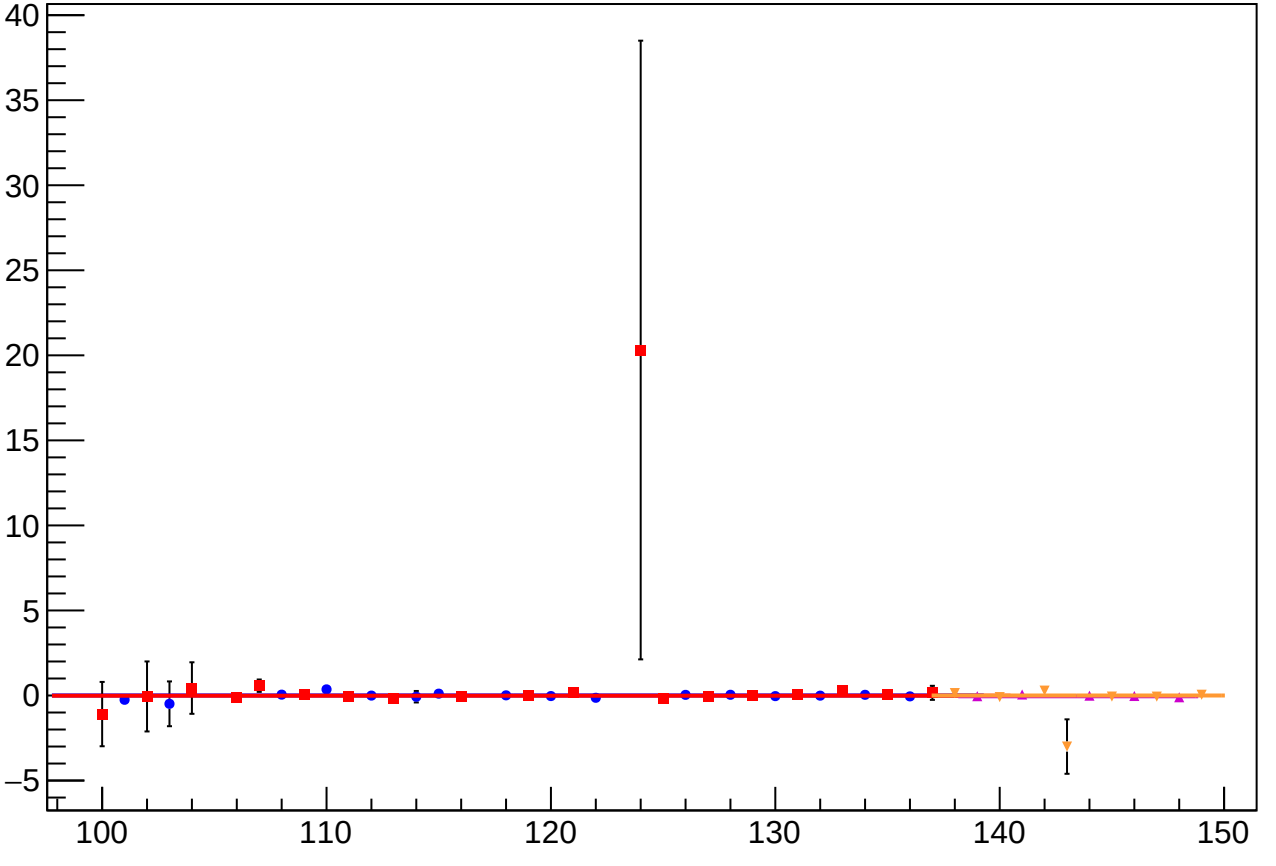
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:13806101.8/20

Out: 0.000+/-0.000 χ^2/NDF:13810952.5/25

All: 0.000+/-0.000 χ^2/NDF: 27632644.6/46

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: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

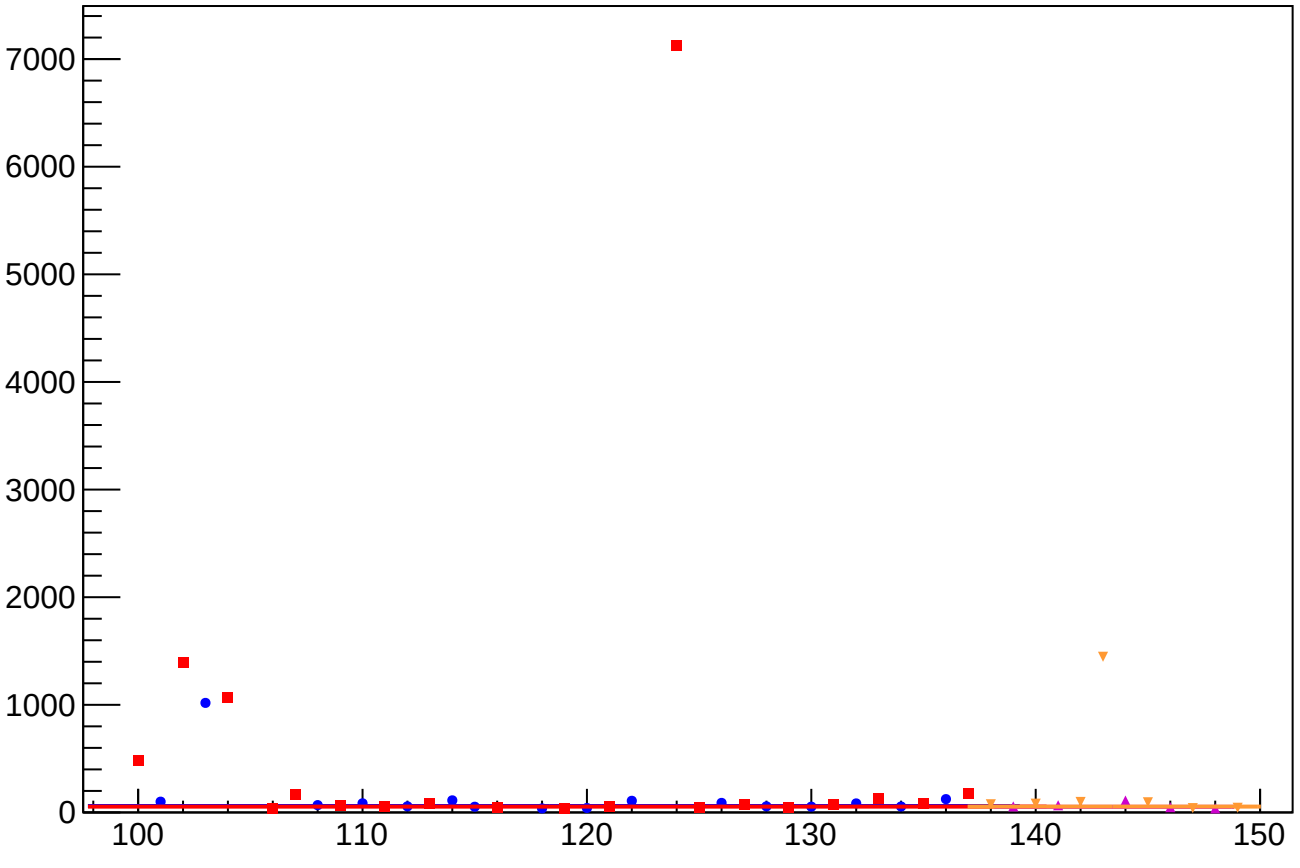
Left: -0.023+/-0.020 χ^2/NDF: 18.3/11

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.007+/-0.019 χ^2/NDF:31.1/25

All: -0.013+/-0.014 χ^2/NDF: 48.0/46



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 54.476+/-0.020 χ^2/NDF:2459416.6/6

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: 53.206+/-0.014 χ^2/NDF: 3221752.3/11

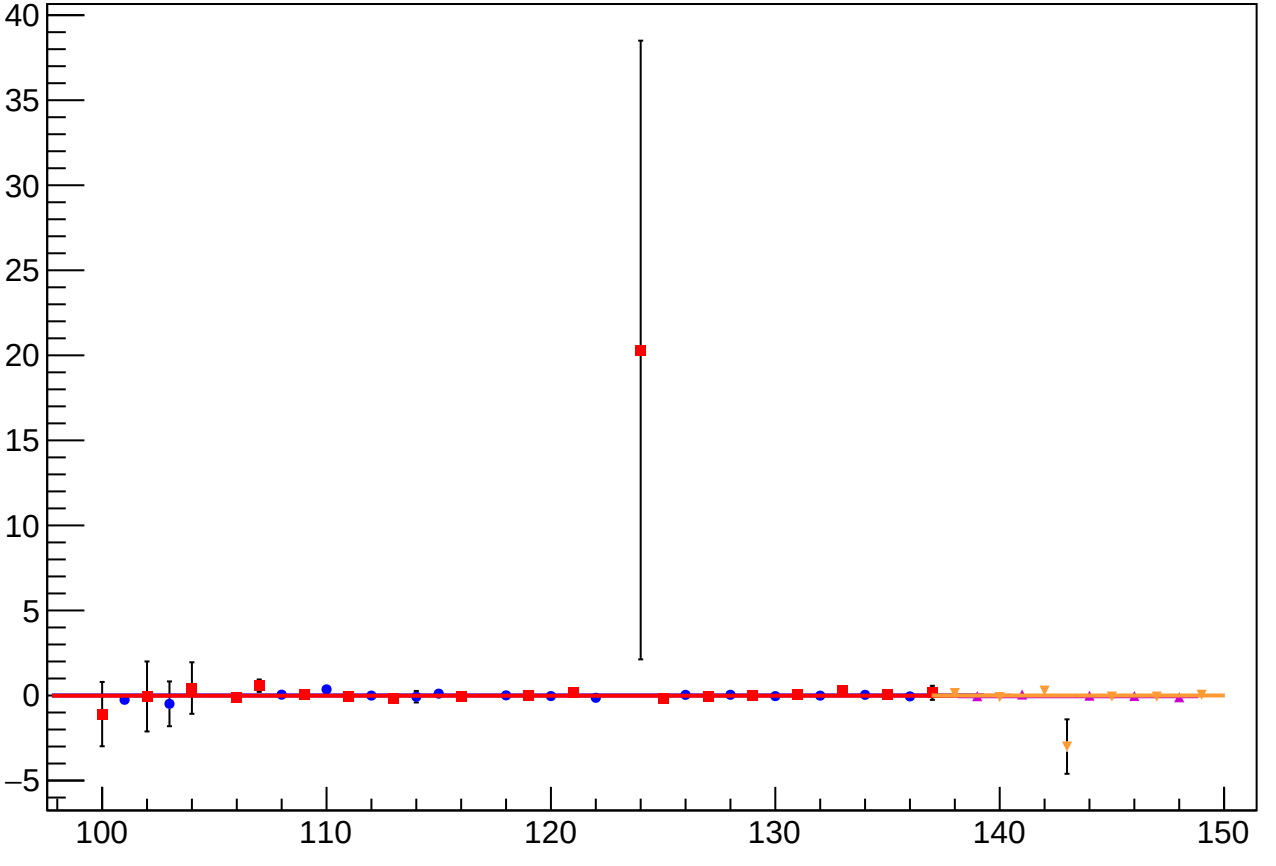
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 56.142+/-0.014 χ^2/NDF:3375010.2/20

Out: 54.349+/-0.014 χ^2/NDF:5981126.6/25

All: 55.237+/-0.010 χ^2/NDF: 9364725.6/46

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: 0.000+/-0.029 χ^2/NDF:13.3/6

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.046+/-0.028 χ^2/NDF:3.7/4

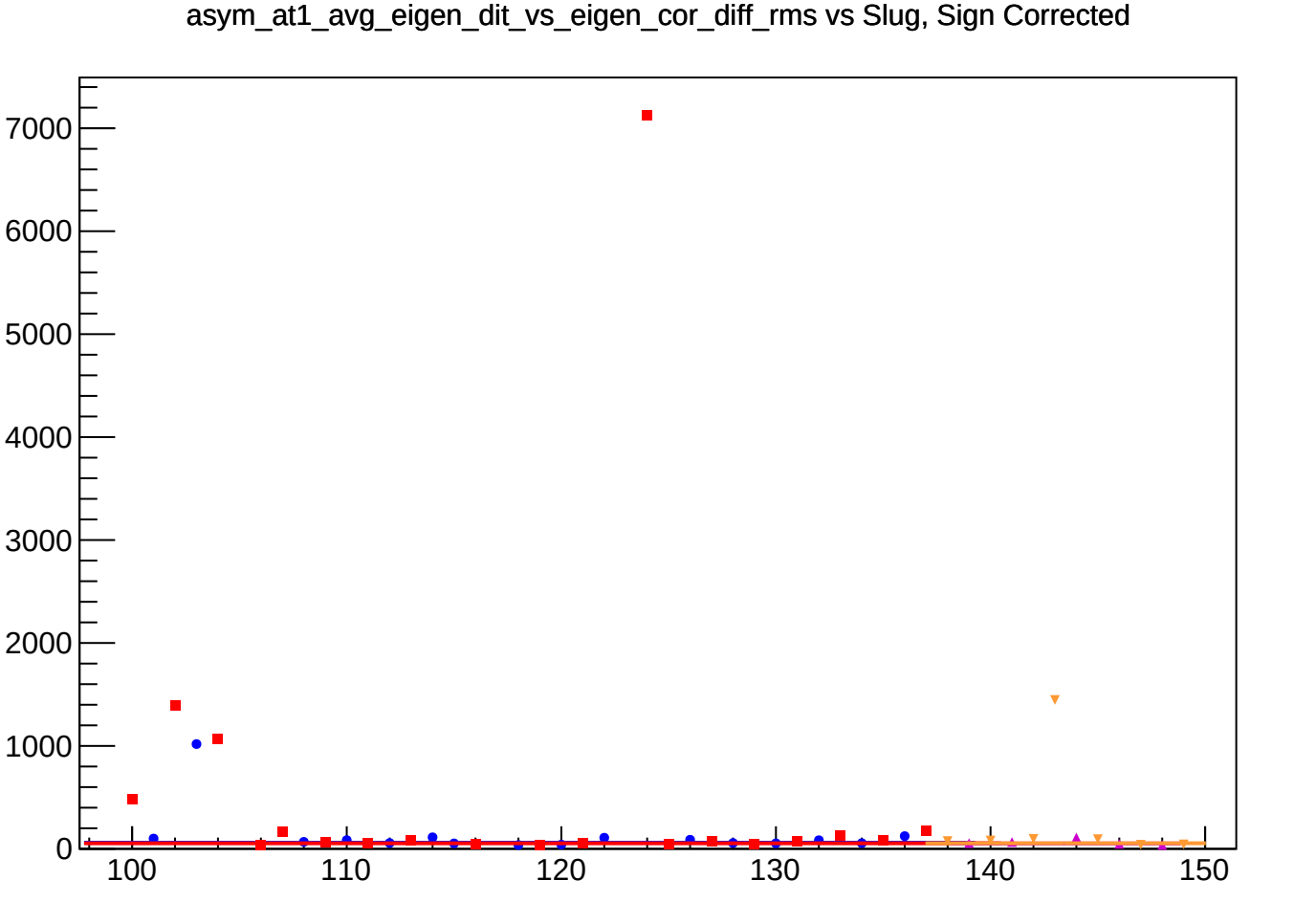
Left: -0.023+/-0.020 χ^2/NDF: 18.3/11

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.019+/-0.019 χ^2/NDF:16.7/20

Out: -0.007+/-0.019 χ^2/NDF:31.1/25

All: -0.013+/-0.014 χ^2/NDF: 48.0/46



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 54.476+/-0.020 χ^2/NDF:2459416.6/6

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 51.986+/-0.020 χ^2/NDF:754765.8/4

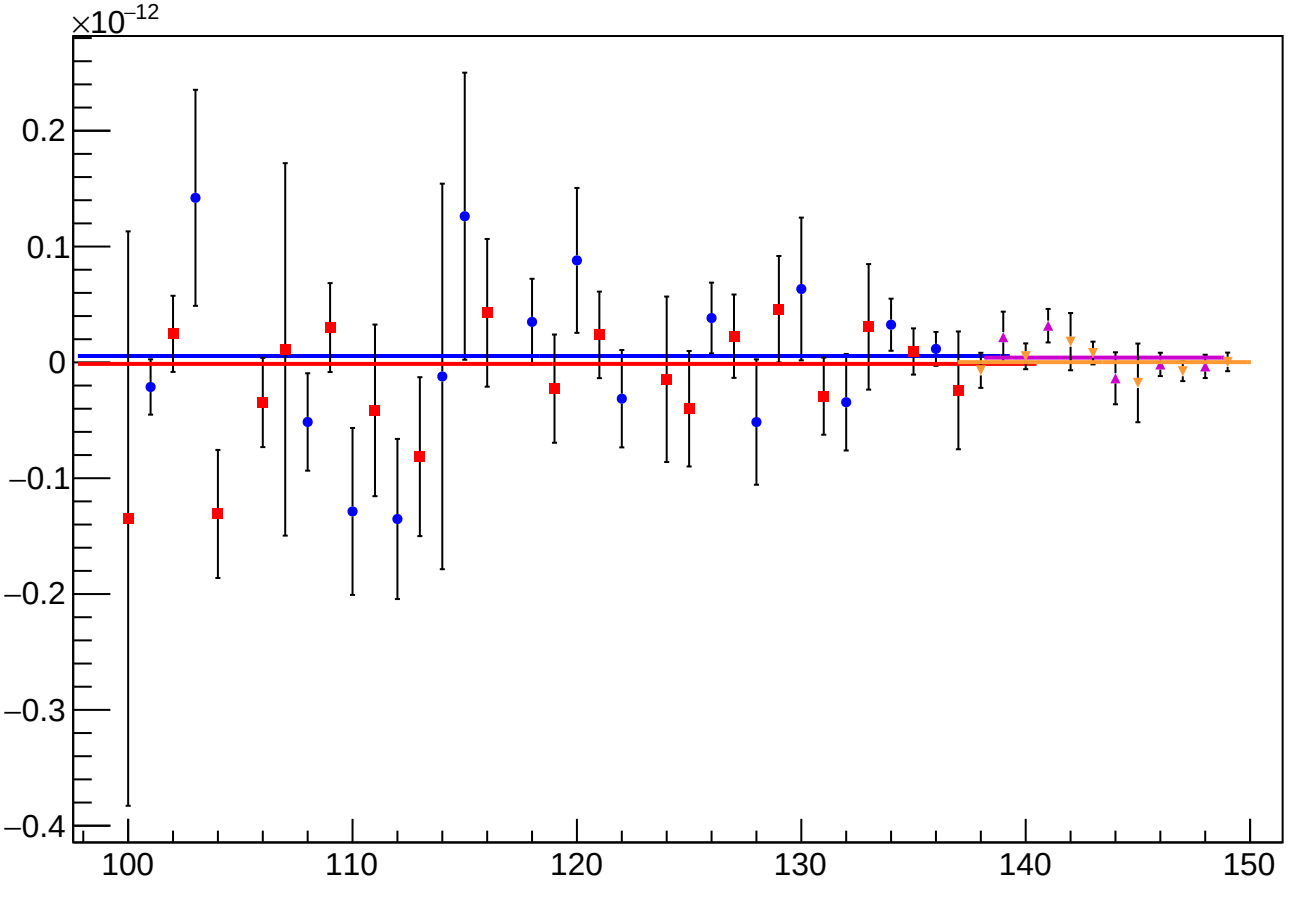
Left: 53.206+/-0.014 χ^2/NDF: 3221752.3/11

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 56.142+/-0.014 χ^2/NDF:3375010.2/20

Out: 54.349+/-0.014 χ^2/NDF:5981126.6/25

All: 55.237+/-0.010 χ^2/NDF: 9364725.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/4

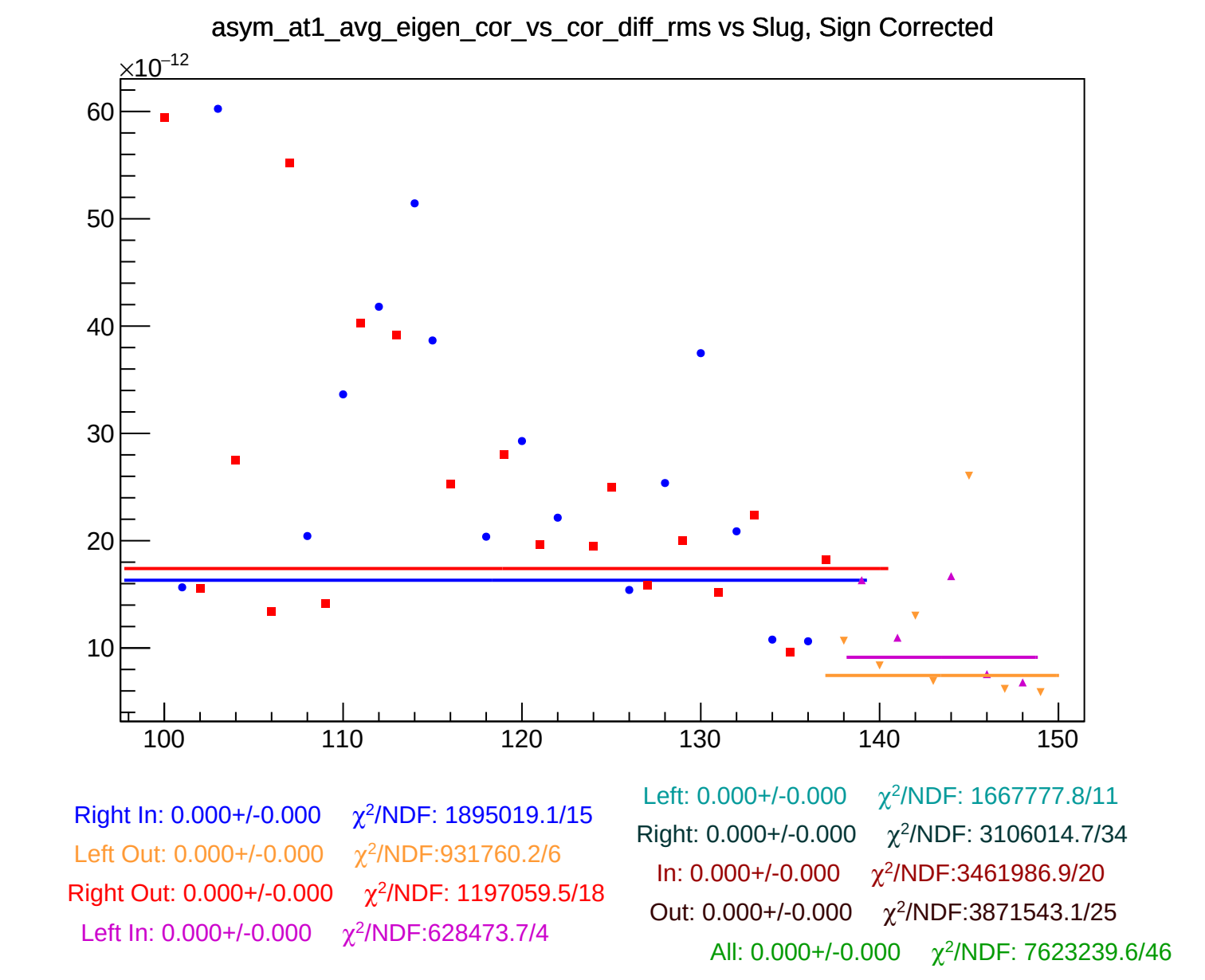
Left: 0.000+/-0.000 χ^2/NDF: 8.8/11

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

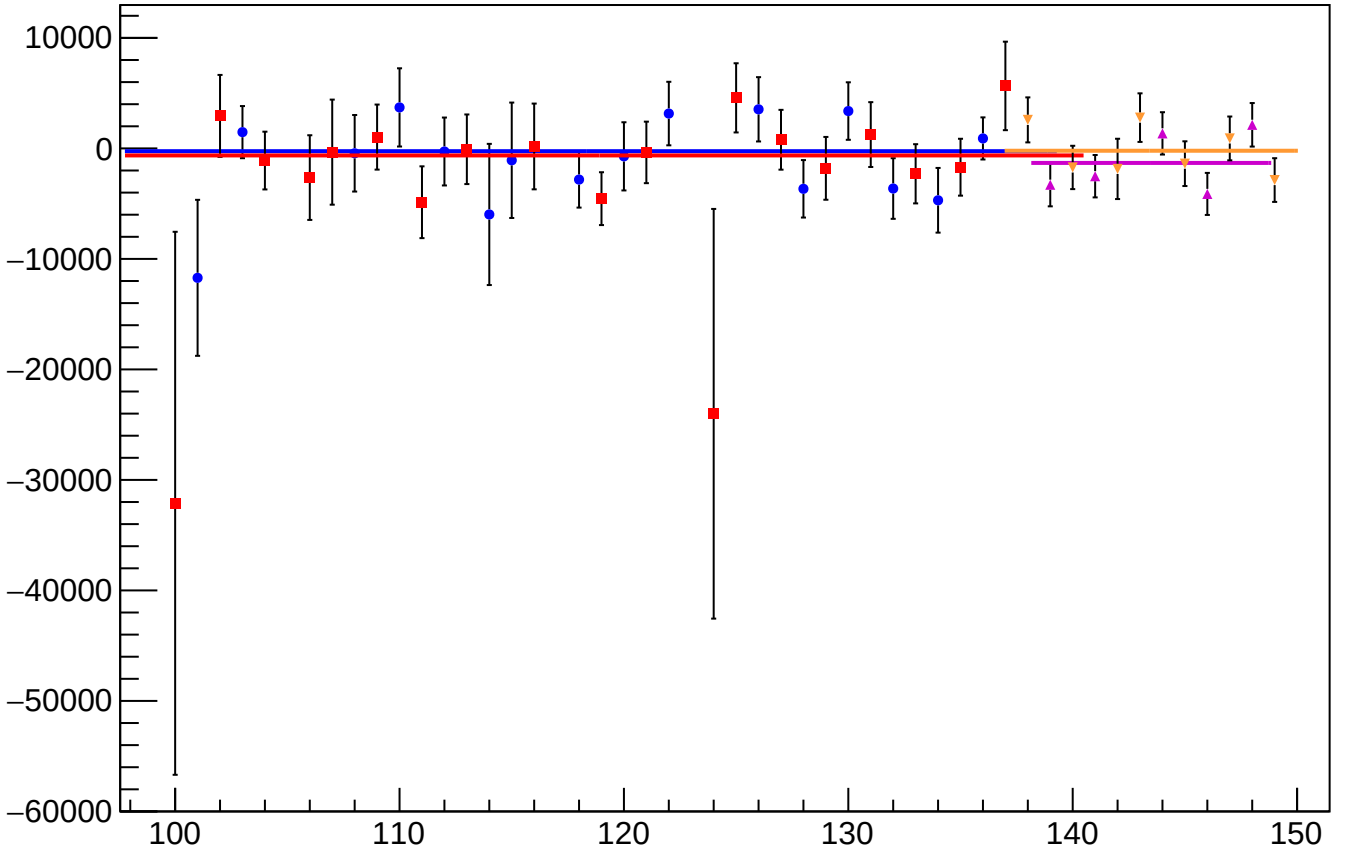
In: 0.000+/-0.000 χ^2/NDF:28.4/20

Out: -0.000+/-0.000 χ^2/NDF:17.0/25

All: 0.000+/-0.000 χ^2/NDF: 46.0/46


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:931760.2/6
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: 1667777.8/11
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:3871543.1/25
All: 0.000+/-0.000 χ²/NDF: 7623239.6/46

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -211.847+/-791.291 χ^2/NDF:7.1/6

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -1314.592+/-863.852 χ^2/NDF:8.6/4

Left: -714.968+/-583.497 χ^2/NDF: 16.6/11

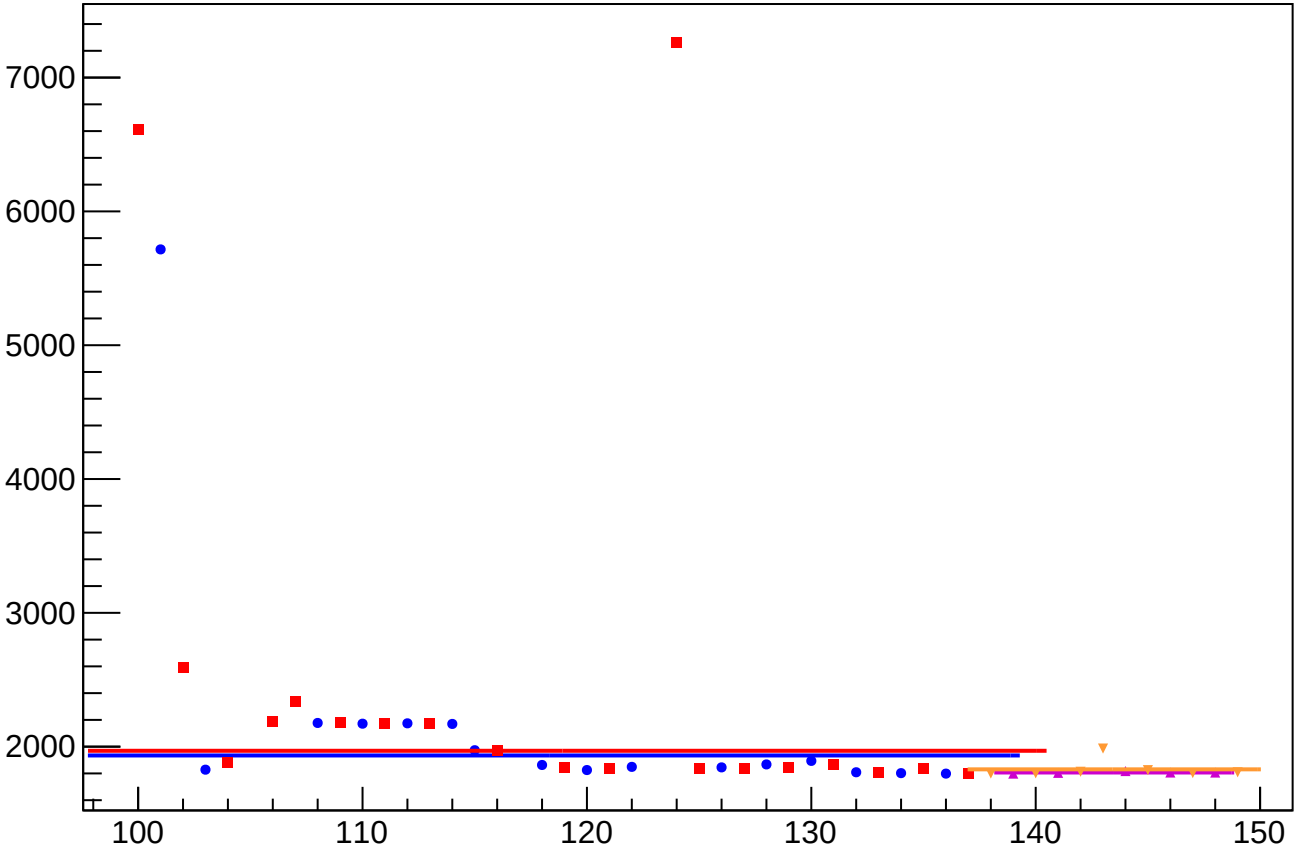
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -697.884+/-559.843 χ^2/NDF:26.7/20

Out: -439.453+/-538.713 χ^2/NDF:23.2/25

All: -563.700+/-388.183 χ^2/NDF: 50.0/46

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1830.466+/-0.560 χ^2/NDF:11699.1/6

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

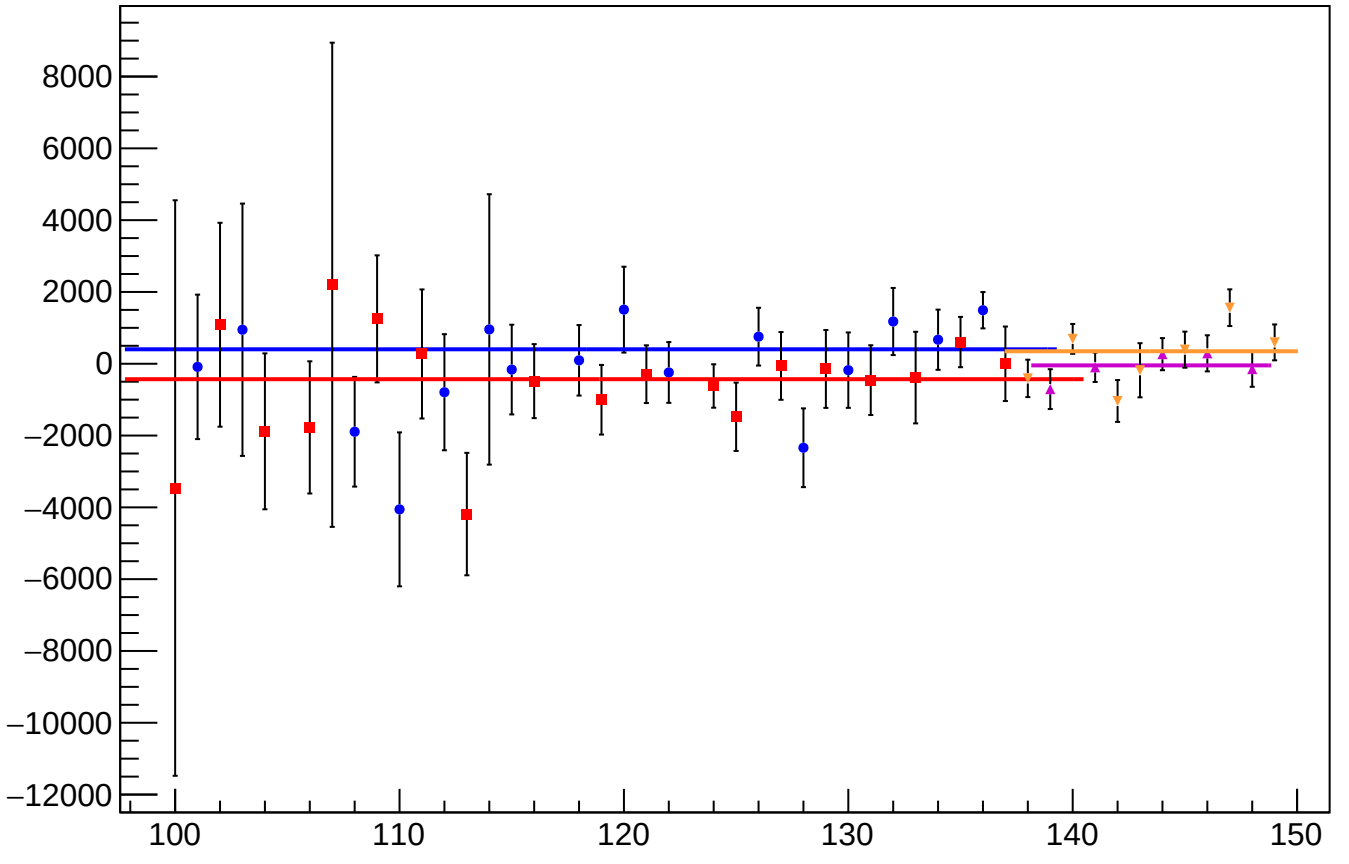
Left: 1819.747+/-0.413 χ^2/NDF: 12605.8/11

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1880.773+/-0.396 χ^2/NDF:665190.8/20

Out: 1904.900+/-0.381 χ^2/NDF:423063.7/25

All: 1893.301+/-0.274 χ^2/NDF: 1090183.1/46



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 348.191+/-196.238 χ^2/NDF:14.8/6

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -45.409+/-211.800 χ^2/NDF:2.4/4

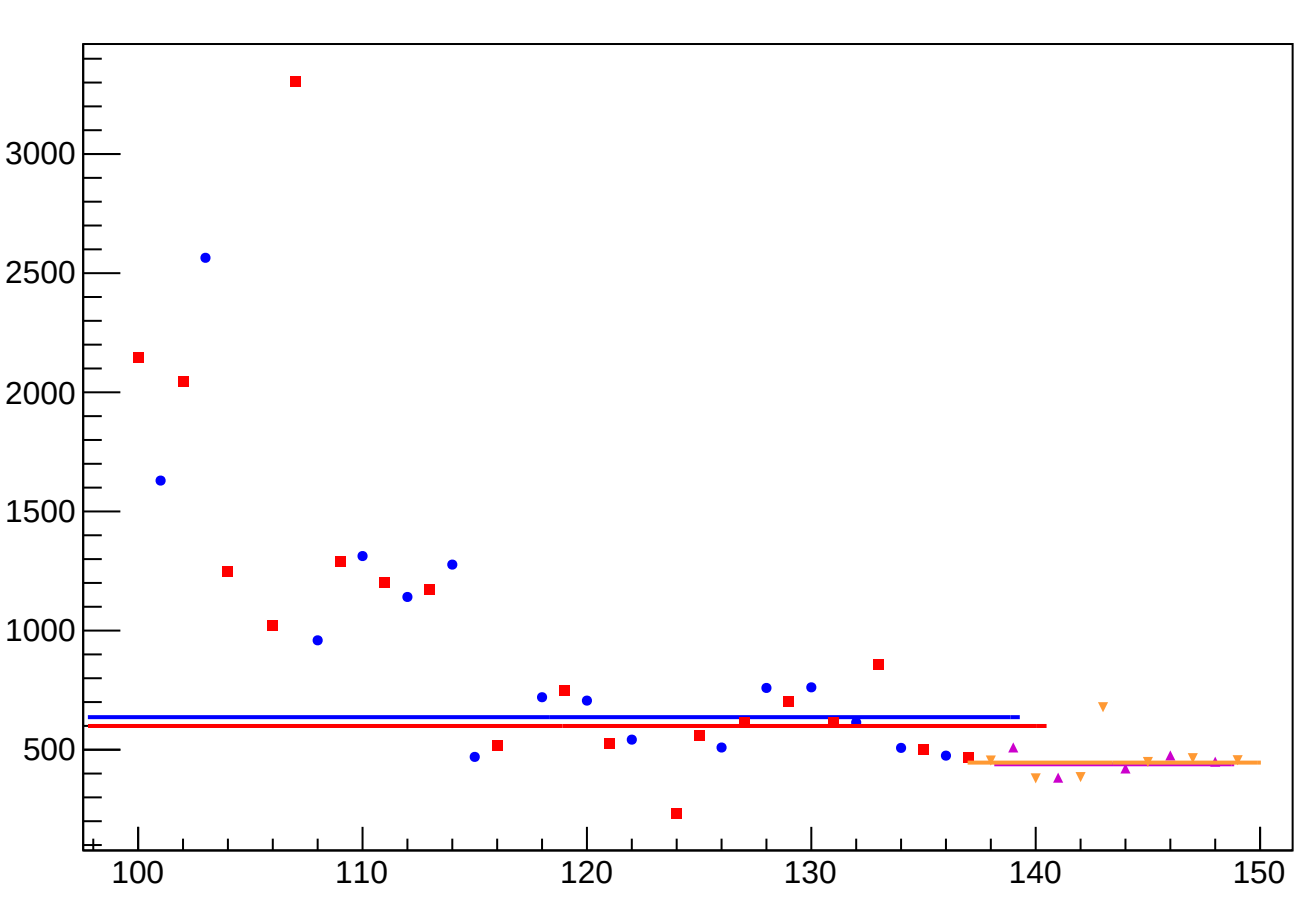
Left: 166.380+/-143.949 χ^2/NDF: 19.1/11

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 134.492+/-163.850 χ^2/NDF:25.3/20

Out: 55.596+/-155.020 χ^2/NDF:32.5/25

All: 92.861+/-112.608 χ^2/NDF: 57.9/46



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 445.939+/-0.139 χ^2/NDF:266460.2/6

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: 442.690+/-0.102 χ^2/NDF: 352572.8/11

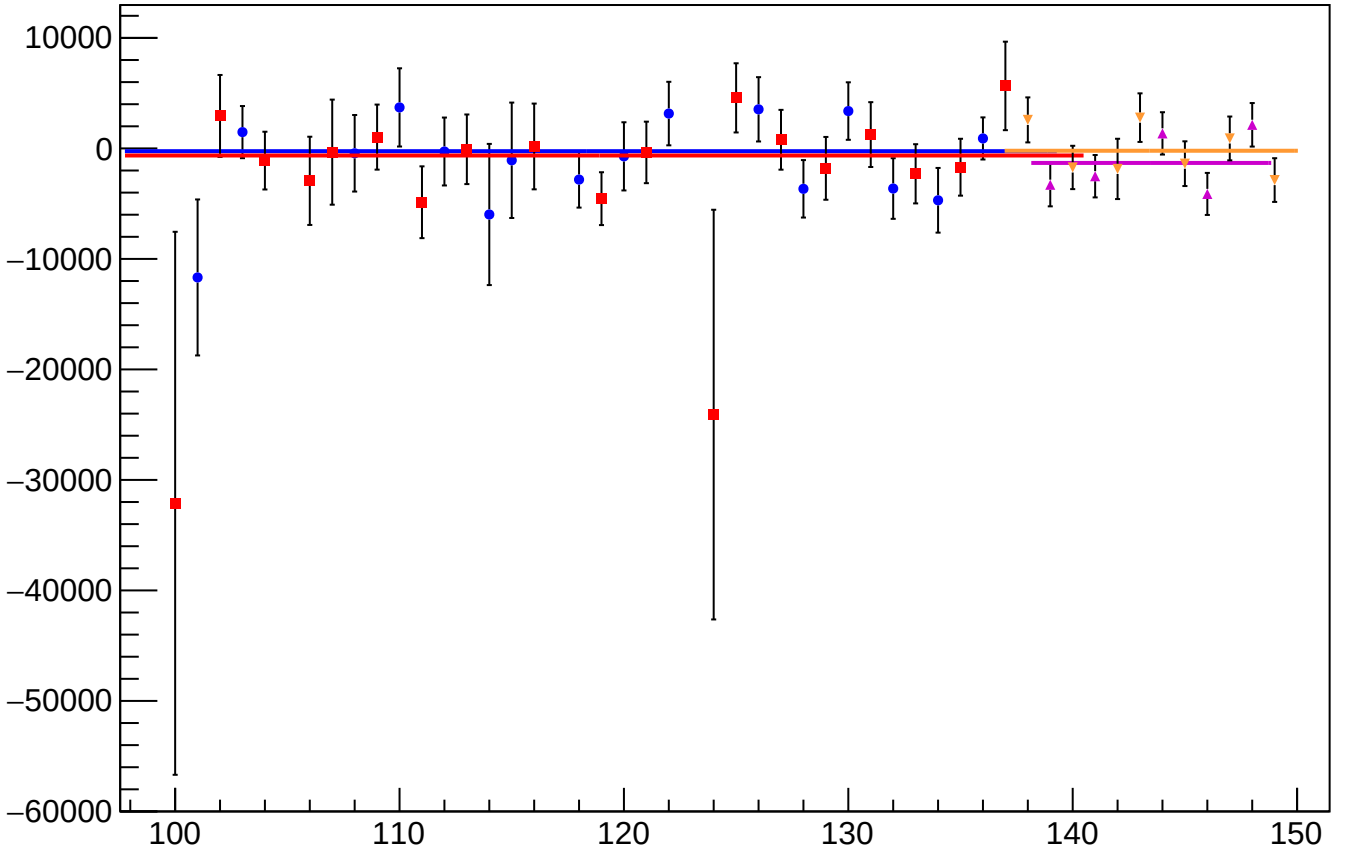
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 518.327+/-0.116 χ^2/NDF:2852185.3/20

Out: 503.721+/-0.110 χ^2/NDF:3671782.2/25

All: 510.620+/-0.080 χ^2/NDF: 6532353.0/46

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -211.903+/-791.291 χ^2/NDF:7.1/6

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: -714.971+/-583.497 χ^2/NDF: 16.6/11

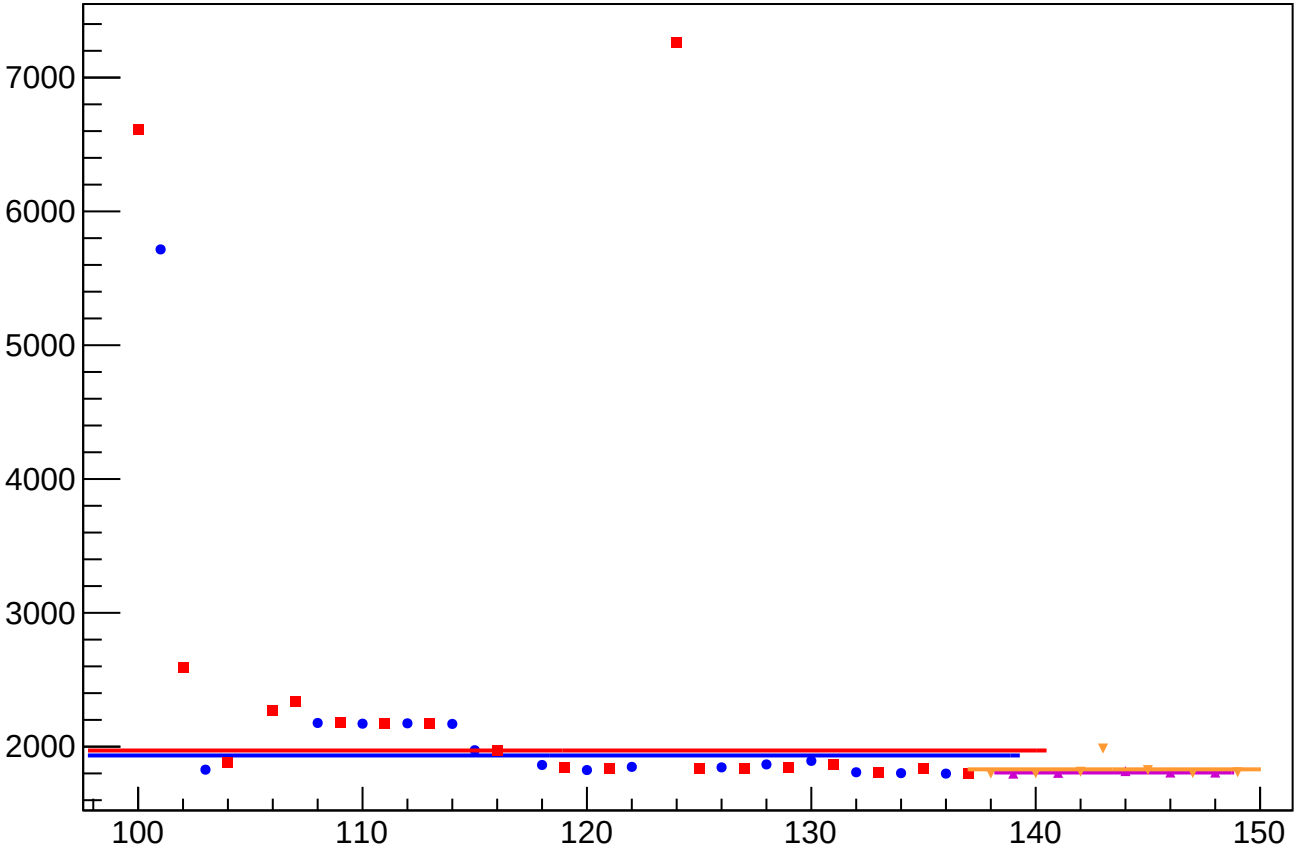
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.389+/-559.843 χ^2/NDF:26.7/20

Out: -441.734+/-539.134 χ^2/NDF:23.3/25

All: -564.746+/-388.340 χ^2/NDF: 50.1/46

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1830.466+/-0.560 χ^2/NDF:11699.1/6

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

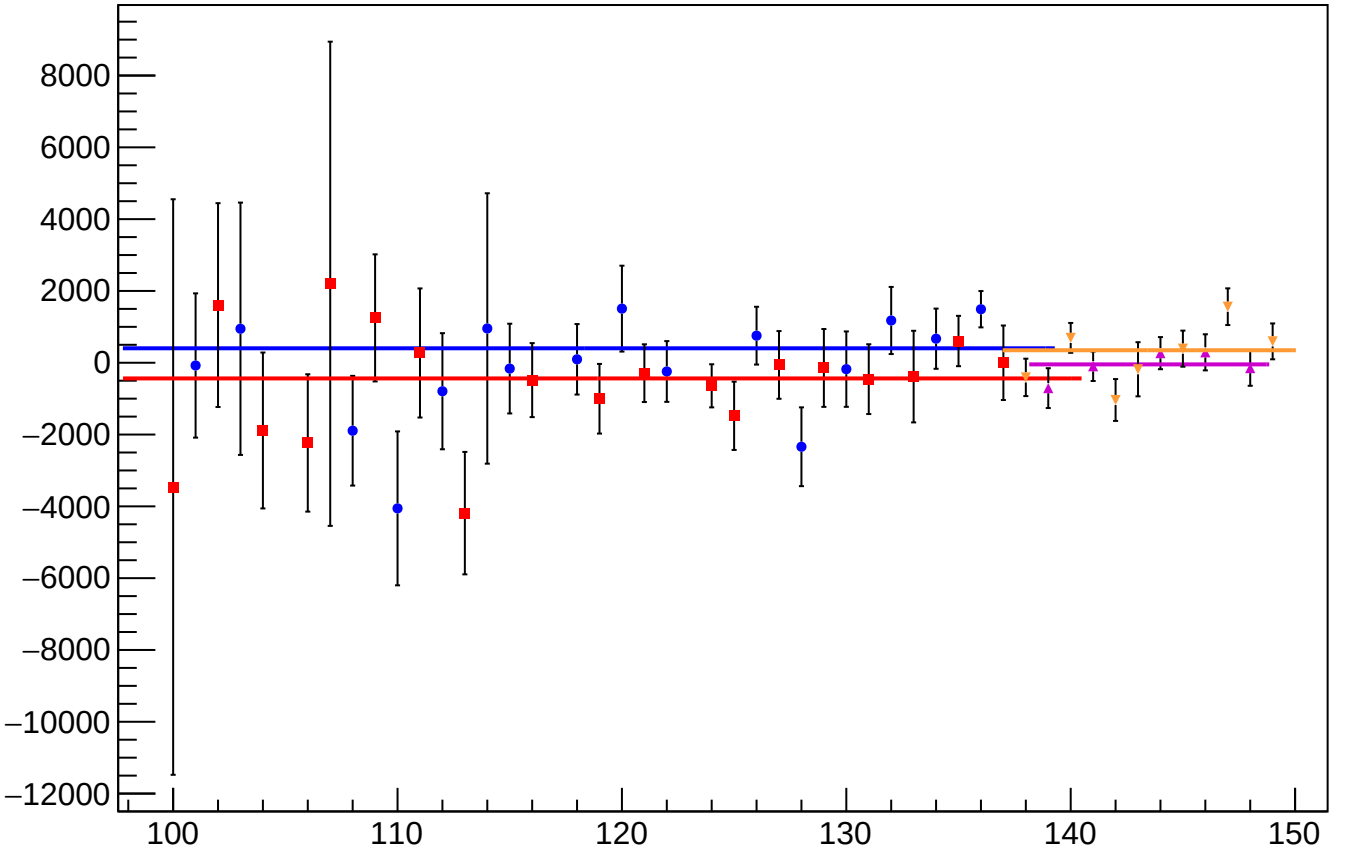
Left: 1819.747+/-0.413 χ^2/NDF: 12605.8/11

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1880.773+/-0.396 χ^2/NDF:665190.7/20

Out: 1905.953+/-0.381 χ^2/NDF:428847.1/25

All: 1893.838+/-0.275 χ^2/NDF: 1096136.9/46



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 348.120+/-196.241 χ^2/NDF:14.8/6

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -45.475+/-211.795 χ^2/NDF:2.4/4

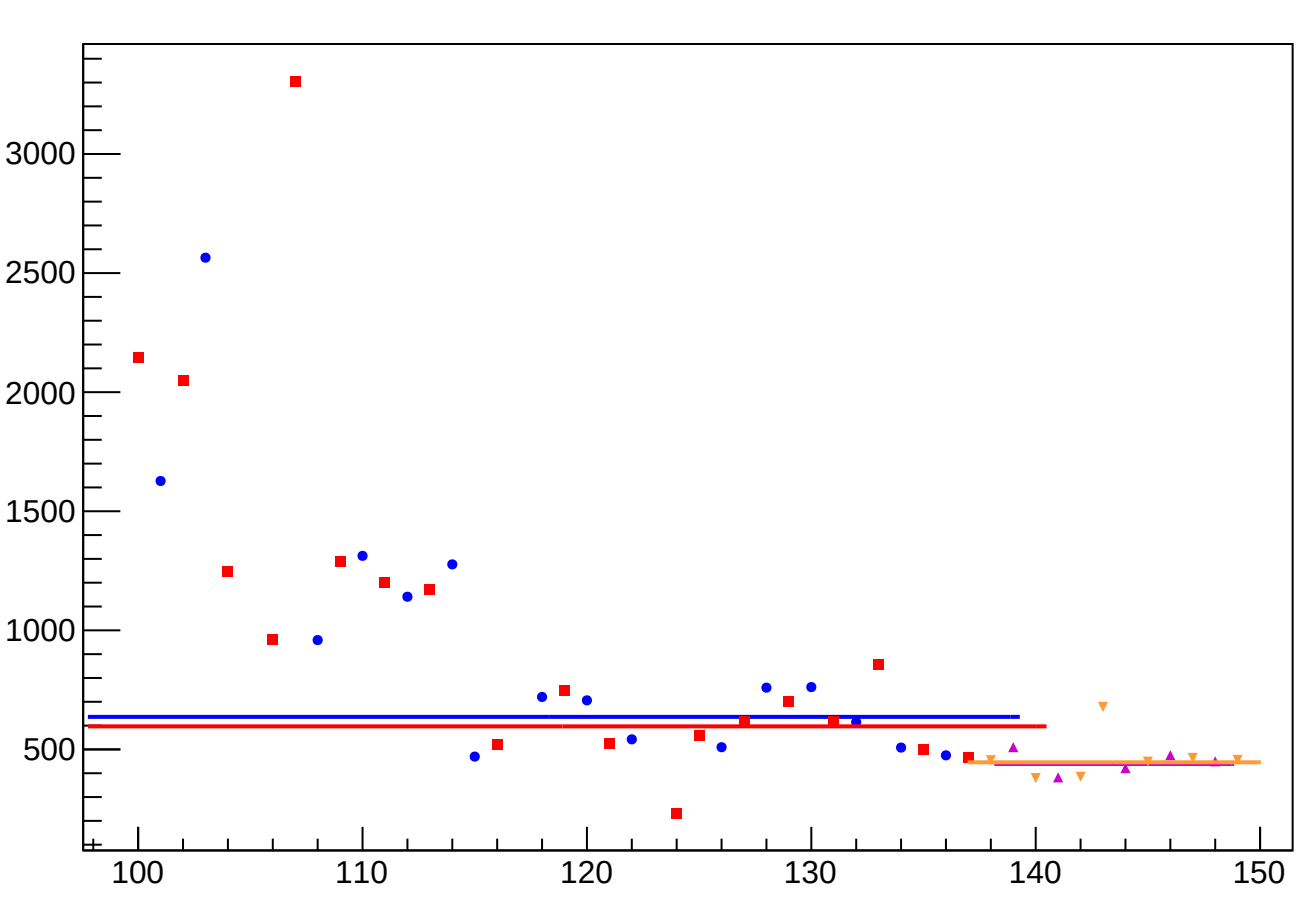
Left: 166.304+/-143.948 χ^2/NDF: 19.1/11

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 134.487+/-163.845 χ^2/NDF:25.3/20

Out: 52.836+/-154.987 χ^2/NDF:33.2/25

All: 91.394+/-112.594 χ^2/NDF: 58.7/46



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 445.947+/-0.139 χ^2/NDF:266418.9/6

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 438.897+/-0.150 χ^2/NDF:84924.5/4

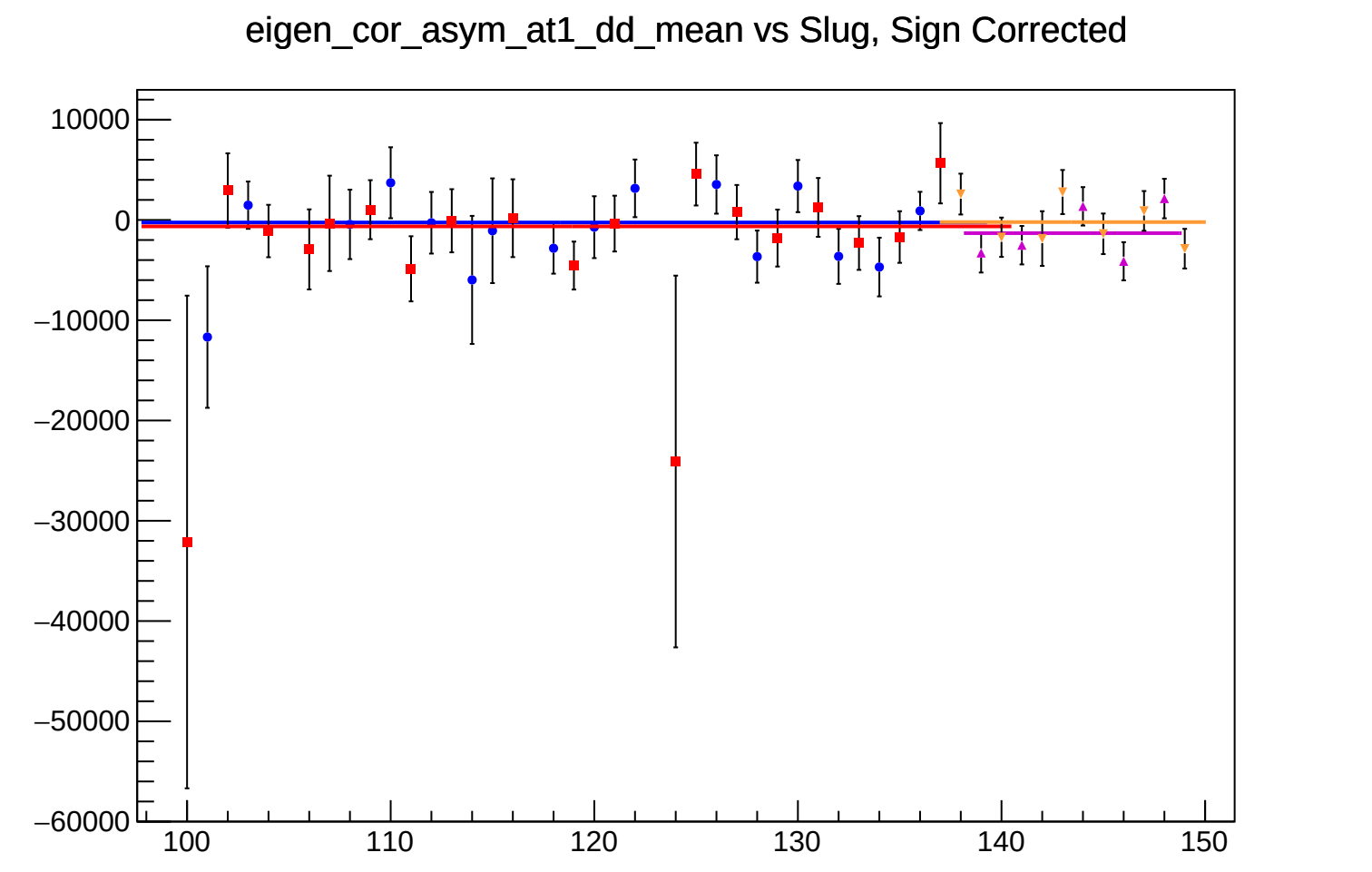
Left: 442.690+/-0.102 χ^2/NDF: 352535.8/11

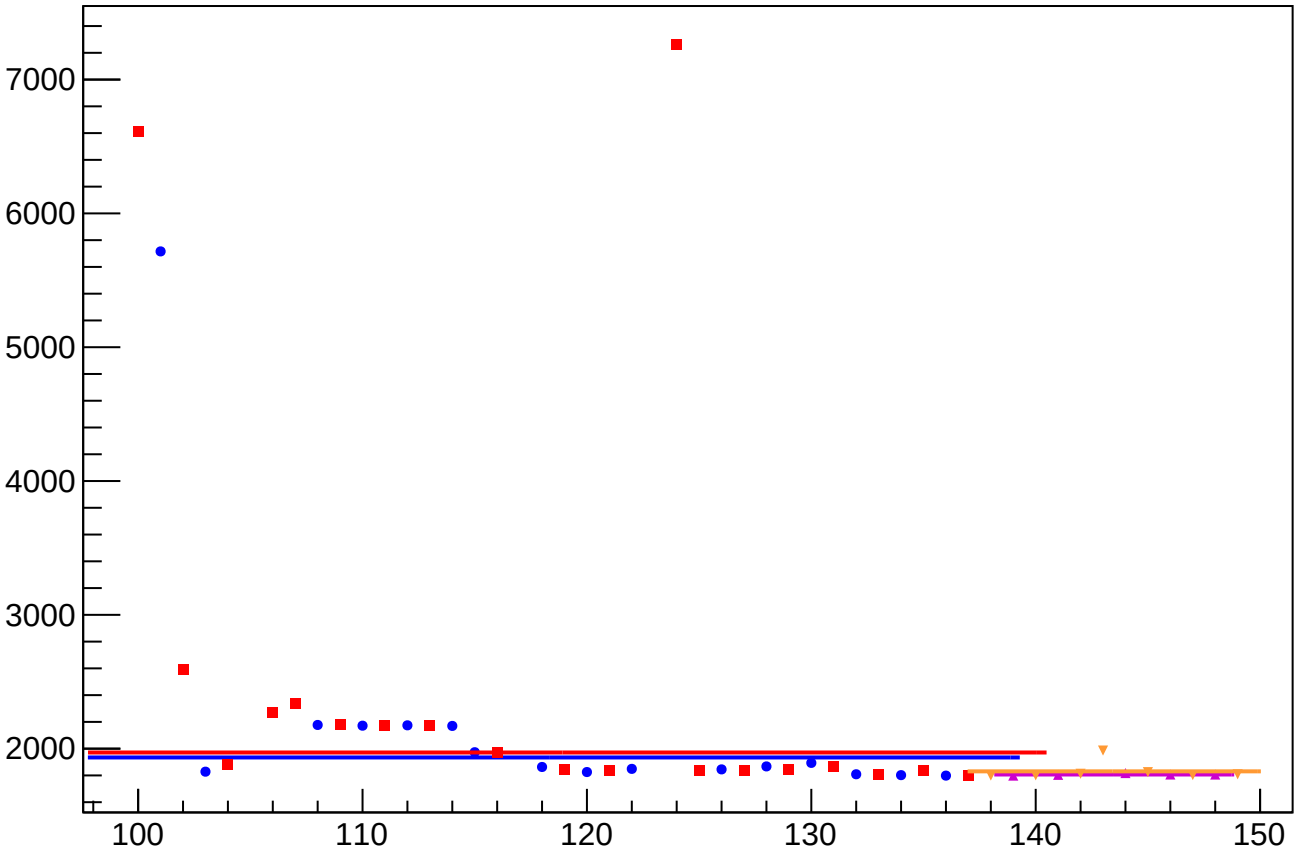
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 518.322+/-0.116 χ^2/NDF:2851411.7/20

Out: 502.729+/-0.110 χ^2/NDF:3641893.0/25

All: 510.093+/-0.080 χ^2/NDF: 6502865.9/46


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: -211.903+/-791.291 χ²/NDF:7.1/6
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -1314.531+/-863.852 χ²/NDF:8.6/4
Left: -714.971+/-583.497 χ²/NDF: 16.6/11
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -697.389+/-559.843 χ²/NDF:26.7/20
Out: -441.734+/-539.134 χ²/NDF:23.3/25
All: -564.746+/-388.340 χ²/NDF: 50.1/46



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1830.466+/-0.560 χ^2/NDF:11699.1/6

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1806.972+/-0.611 χ^2/NDF:102.3/4

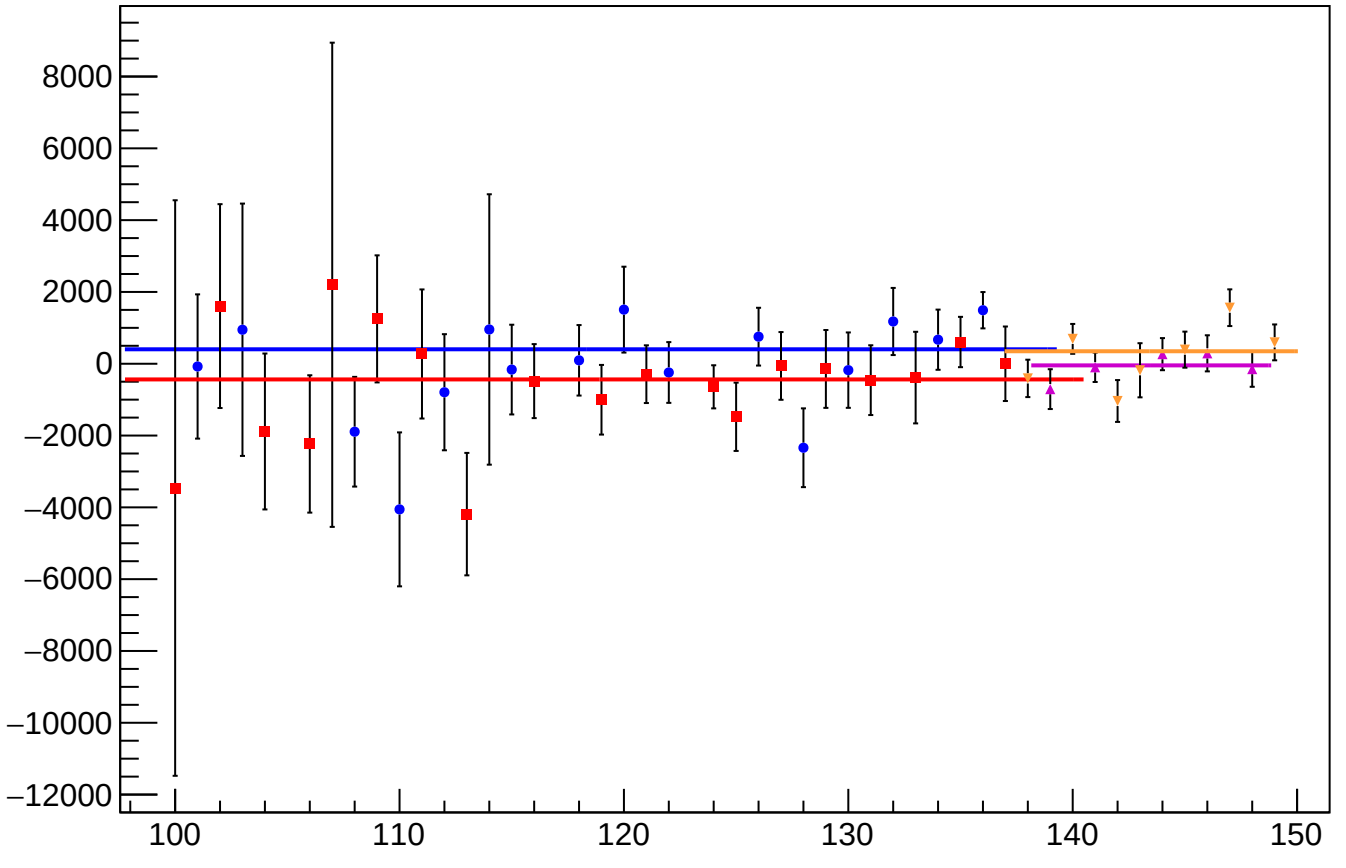
Left: 1819.747+/-0.413 χ^2/NDF: 12605.8/11

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1880.773+/-0.396 χ^2/NDF:665190.7/20

Out: 1905.953+/-0.381 χ^2/NDF:428847.1/25

All: 1893.838+/-0.275 χ^2/NDF: 1096136.9/46



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 348.120+/-196.241 χ^2/NDF:14.8/6

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -45.475+/-211.795 χ^2/NDF:2.4/4

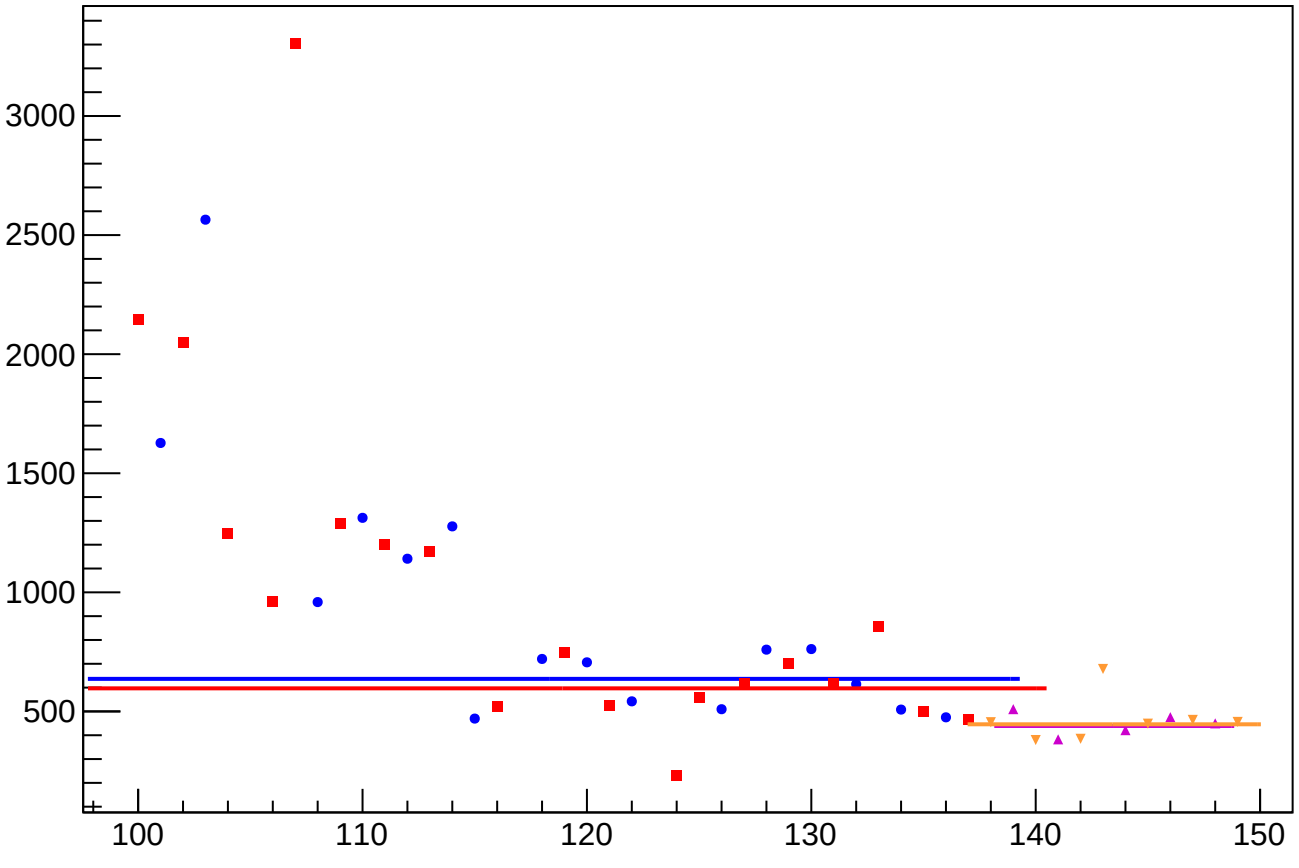
Left: 166.304+/-143.948 χ^2/NDF: 19.1/11

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 134.487+/-163.845 χ^2/NDF:25.3/20

Out: 52.836+/-154.987 χ^2/NDF:33.2/25

All: 91.394+/-112.594 χ^2/NDF: 58.7/46



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 445.947+/-0.139 χ^2/NDF:266418.9/6

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: 442.690+/-0.102 χ^2/NDF: 352535.8/11

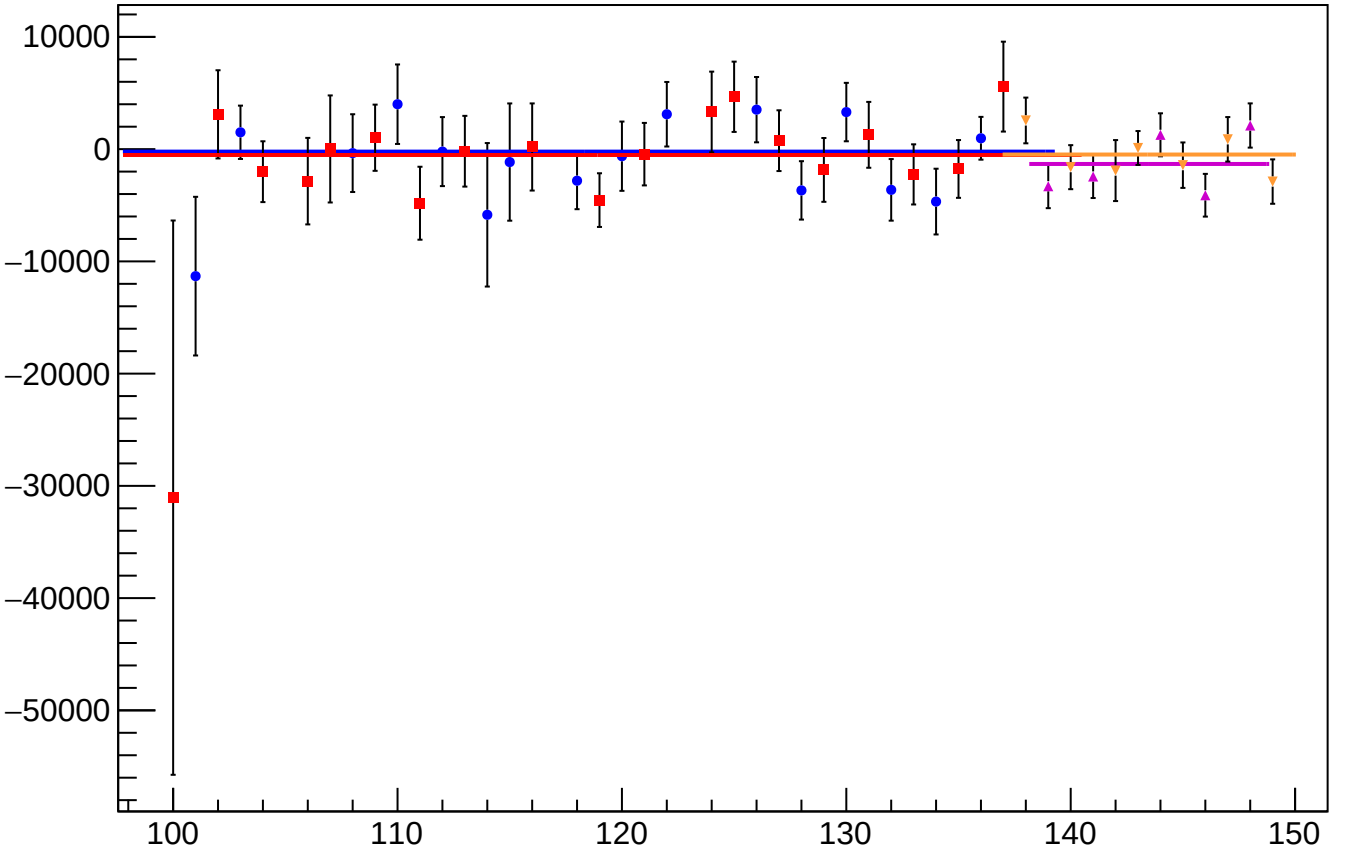
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 518.322+/-0.116 χ^2/NDF:2851411.7/20

Out: 502.729+/-0.110 χ^2/NDF:3641893.0/25

All: 510.093+/-0.080 χ^2/NDF: 6502865.9/46

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -480.499+/-739.422 χ^2/NDF:5.1/6

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -1320.819+/-864.161 χ^2/NDF:8.4/4

Left: -835.686+/-561.825 χ^2/NDF: 14.1/11

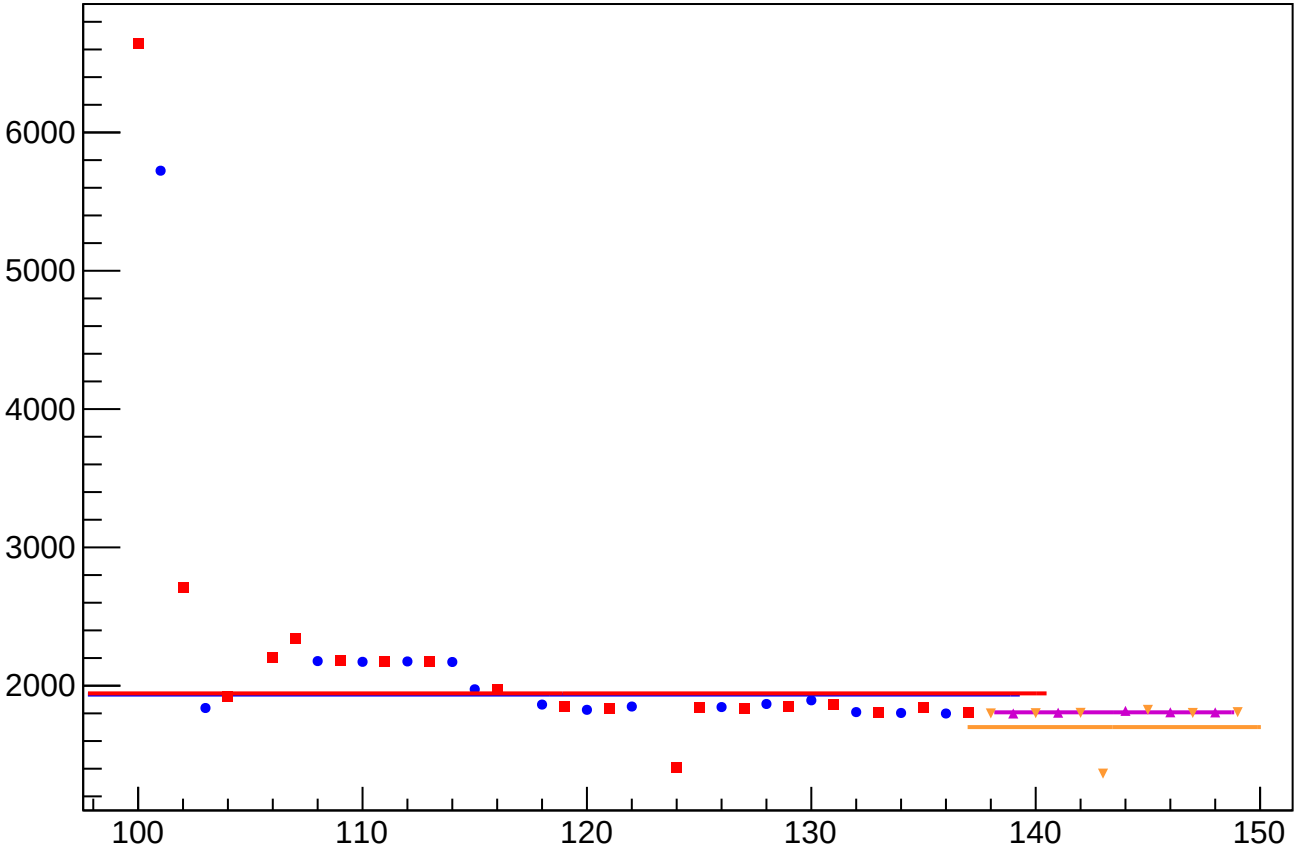
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -682.950+/-560.270 χ^2/NDF:26.4/20

Out: -500.774+/-517.669 χ^2/NDF:20.8/25

All: -584.674+/-380.217 χ^2/NDF: 47.2/46

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1700.835+/-0.523 χ^2/NDF:130963.6/6

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

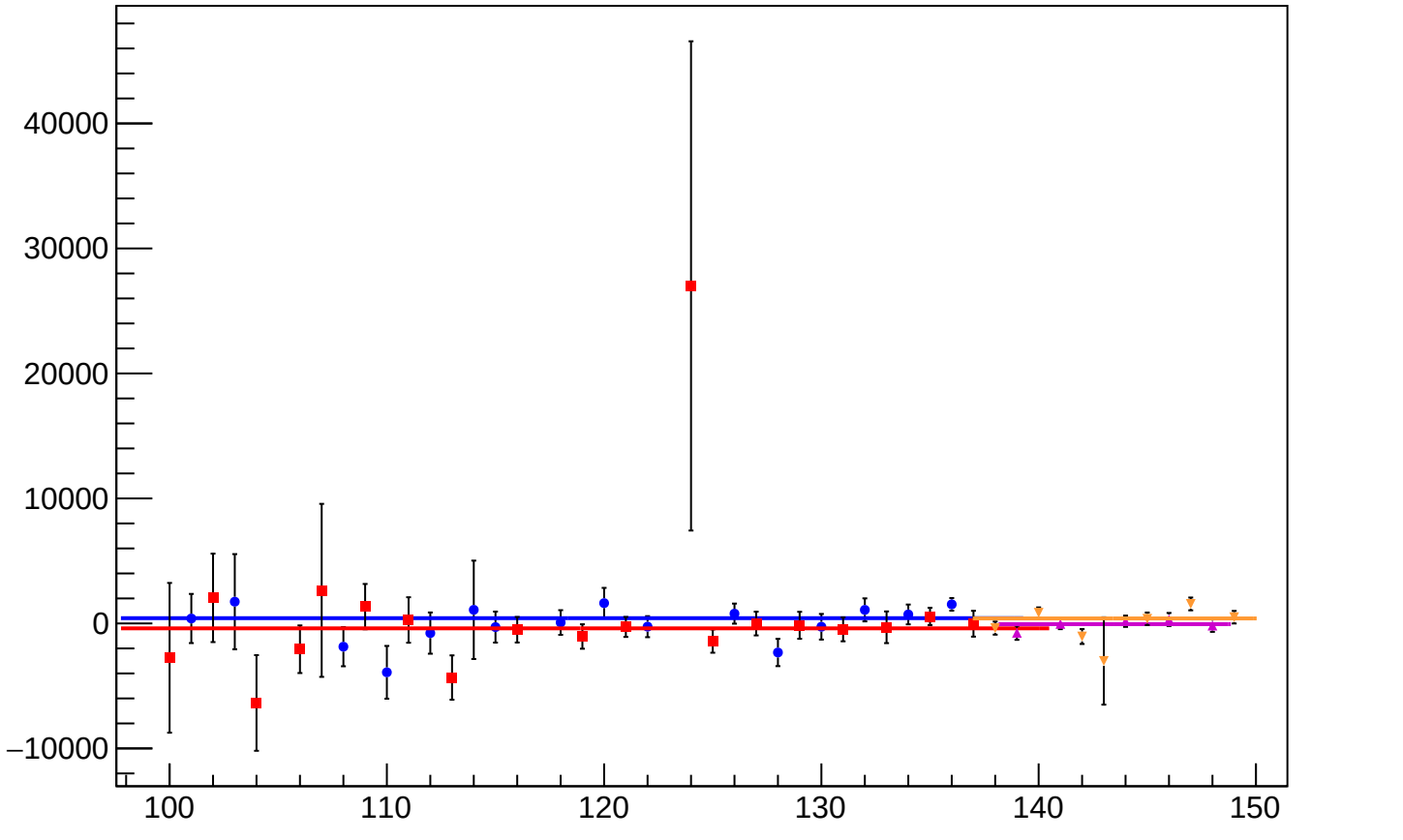
Left: 1745.970+/-0.397 χ^2/NDF: 148696.6/11

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1882.021+/-0.396 χ^2/NDF:665487.2/20

Out: 1825.068+/-0.366 χ^2/NDF:517917.3/25

All: 1851.297+/-0.269 χ^2/NDF: 1194553.2/46



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 399.415+/-205.475 χ^2/NDF:15.3/6

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -58.616+/-216.562 χ^2/NDF:2.4/4

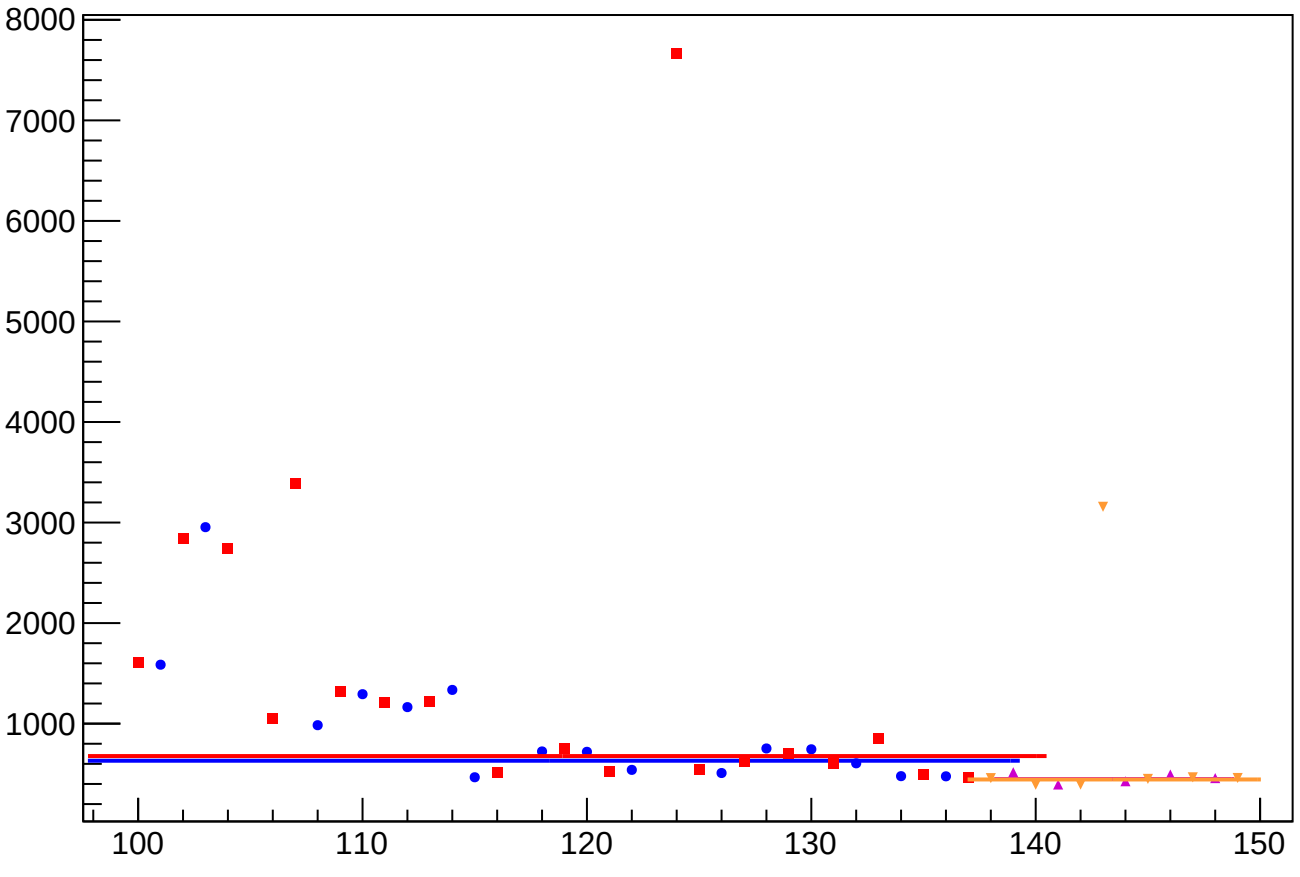
Left: 182.424+/-149.058 χ^2/NDF: 20.0/11

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 140.821+/-165.539 χ^2/NDF:25.9/20

Out: 121.279+/-165.565 χ^2/NDF:36.4/25

All: 131.052+/-117.063 χ^2/NDF: 62.3/46



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 444.713+/-0.145 χ^2/NDF:1256314.2/6

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 449.362+/-0.153 χ^2/NDF:82527.4/4

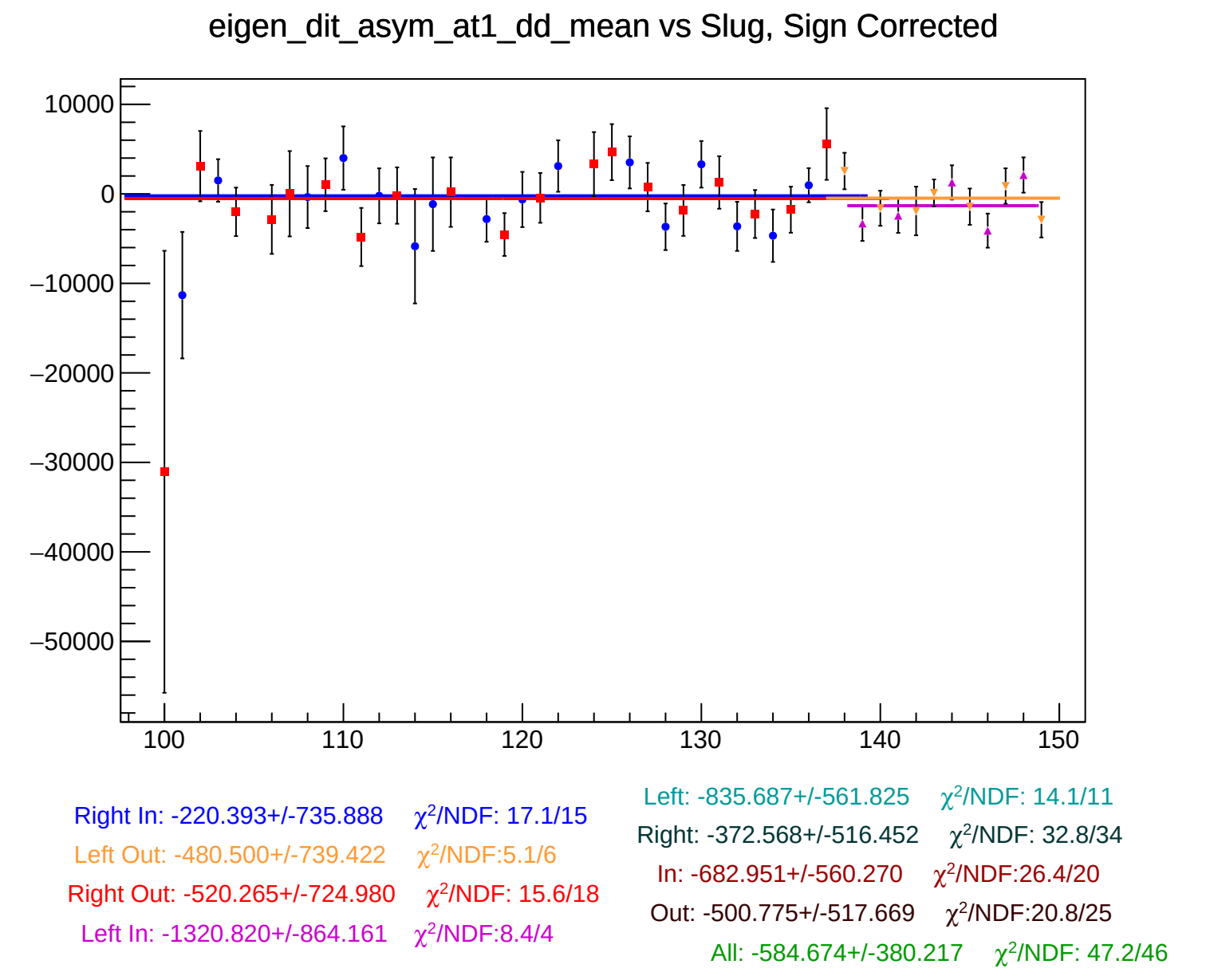
Left: 446.916+/-0.105 χ^2/NDF: 1339326.7/11

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

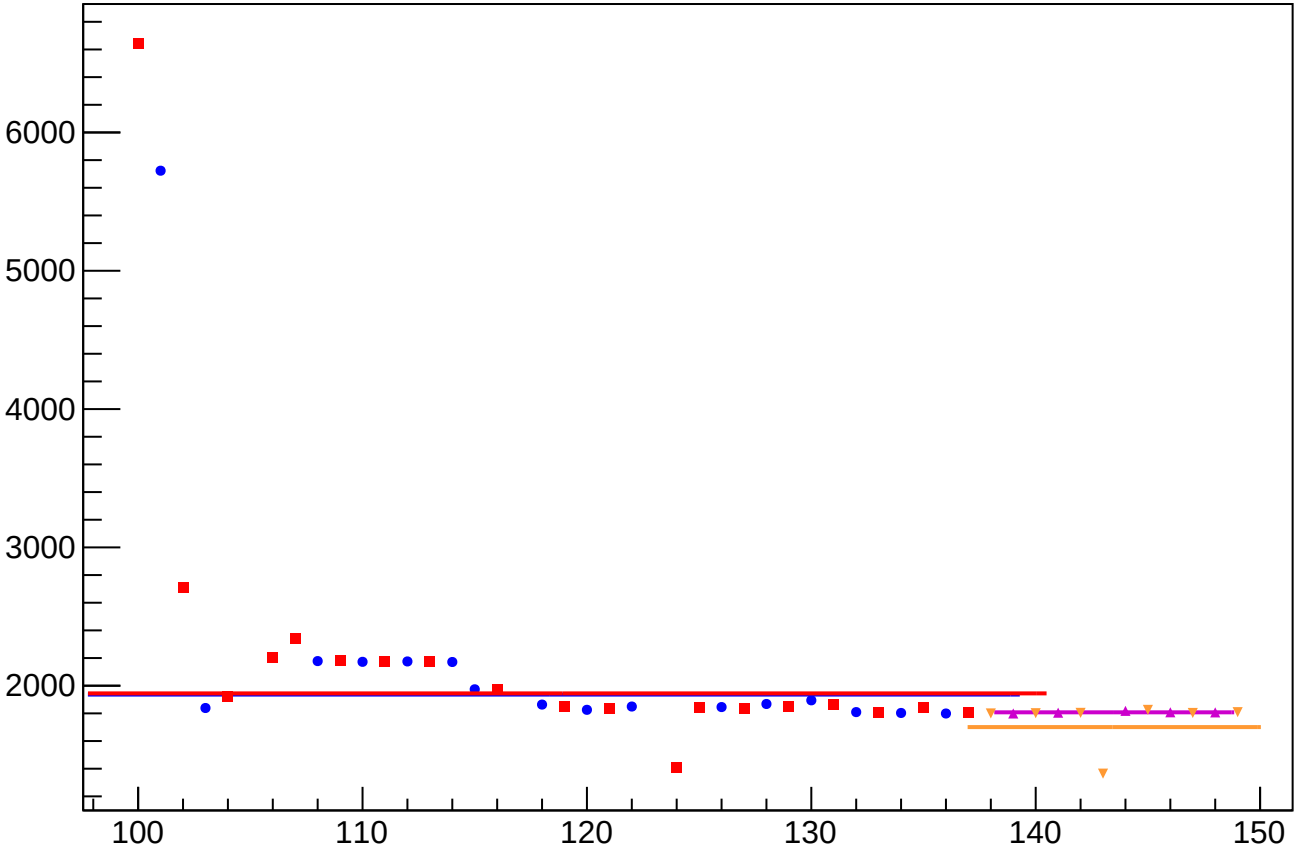
In: 524.927+/-0.117 χ^2/NDF:2902775.7/20

Out: 526.338+/-0.117 χ^2/NDF:5237751.5/25

All: 525.633+/-0.083 χ^2/NDF: 8140599.8/46


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: -480.500+/-739.422 χ²/NDF:5.1/6
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -1320.820+/-864.161 χ²/NDF:8.4/4
Left: -835.687+/-561.825 χ²/NDF: 14.1/11
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -682.951+/-560.270 χ²/NDF:26.4/20
Out: -500.775+/-517.669 χ²/NDF:20.8/25
All: -584.674+/-380.217 χ²/NDF: 47.2/46

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1700.835+/-0.523 χ^2/NDF:130963.6/6

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1807.618+/-0.611 χ^2/NDF:102.6/4

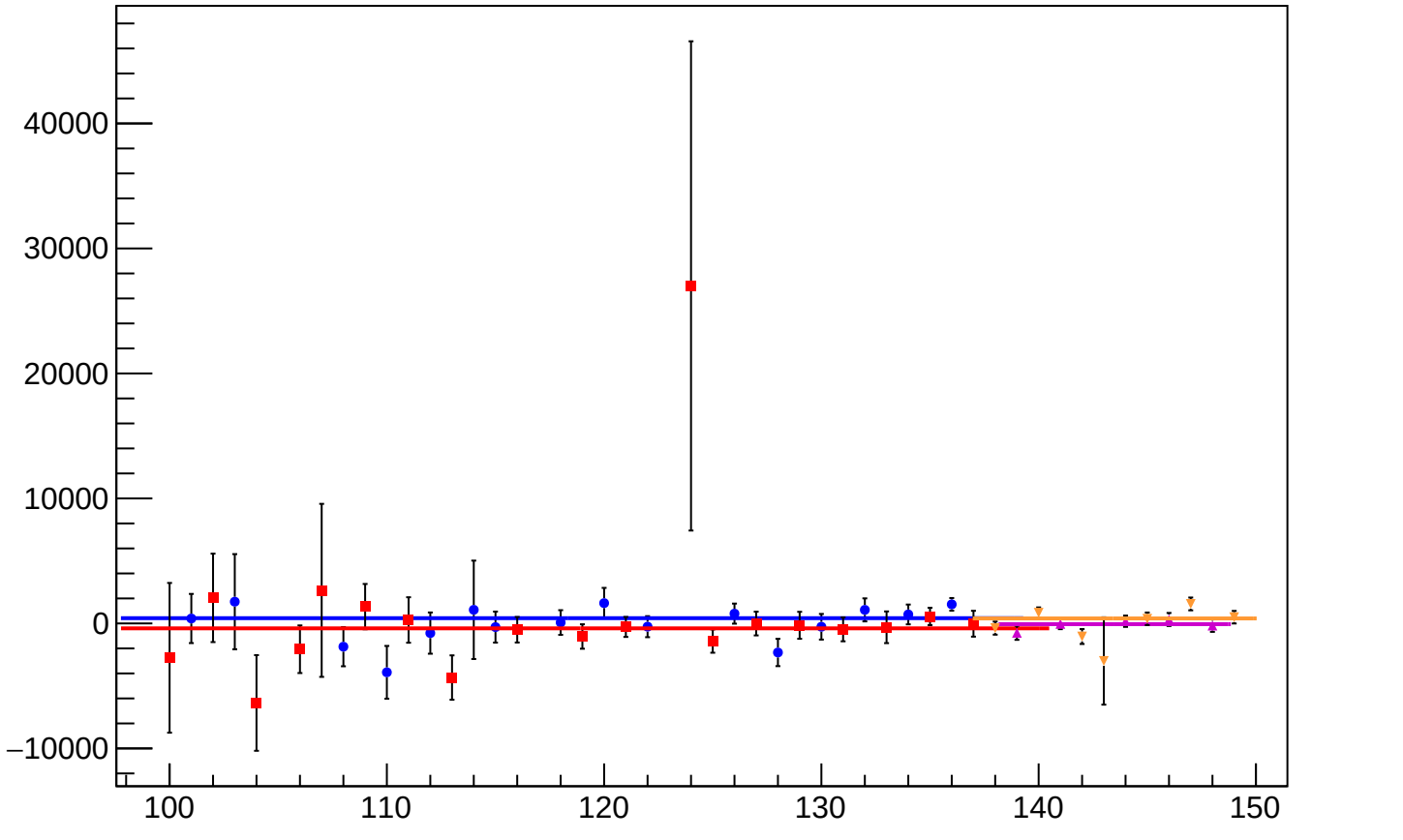
Left: 1745.970+/-0.397 χ^2/NDF: 148696.5/11

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1882.021+/-0.396 χ^2/NDF:665487.2/20

Out: 1825.068+/-0.366 χ^2/NDF:517917.1/25

All: 1851.297+/-0.269 χ^2/NDF: 1194553.0/46



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 399.416+/-205.474 χ^2/NDF:15.3/6

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -58.617+/-216.562 χ^2/NDF:2.4/4

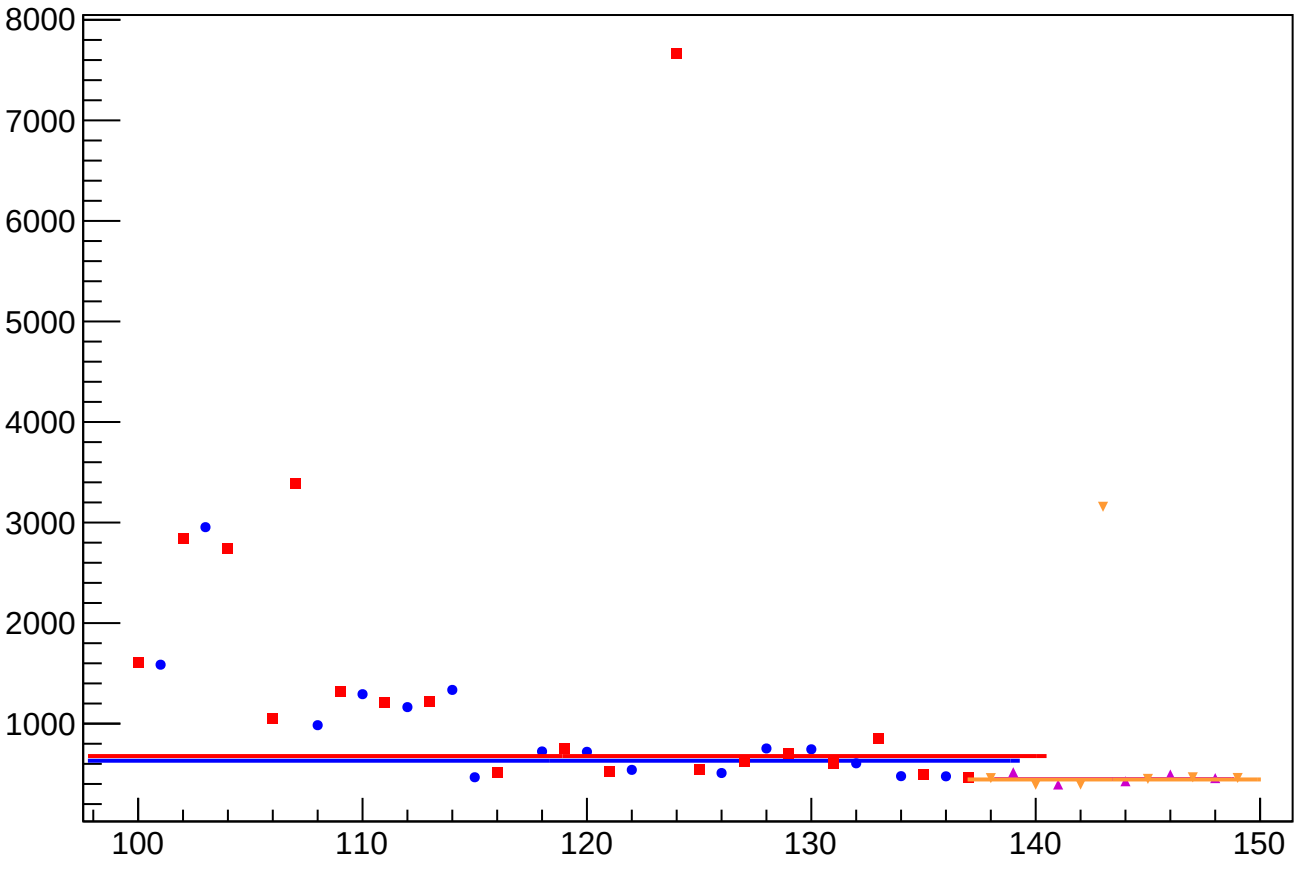
Left: 182.424+/-149.058 χ^2/NDF: 20.0/11

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 140.820+/-165.539 χ^2/NDF:25.9/20

Out: 121.281+/-165.565 χ^2/NDF:36.4/25

All: 131.052+/-117.063 χ^2/NDF: 62.3/46



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 444.712+/-0.145 χ^2/NDF:1256313.4/6

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: 446.915+/-0.105 χ^2/NDF: 1339326.5/11

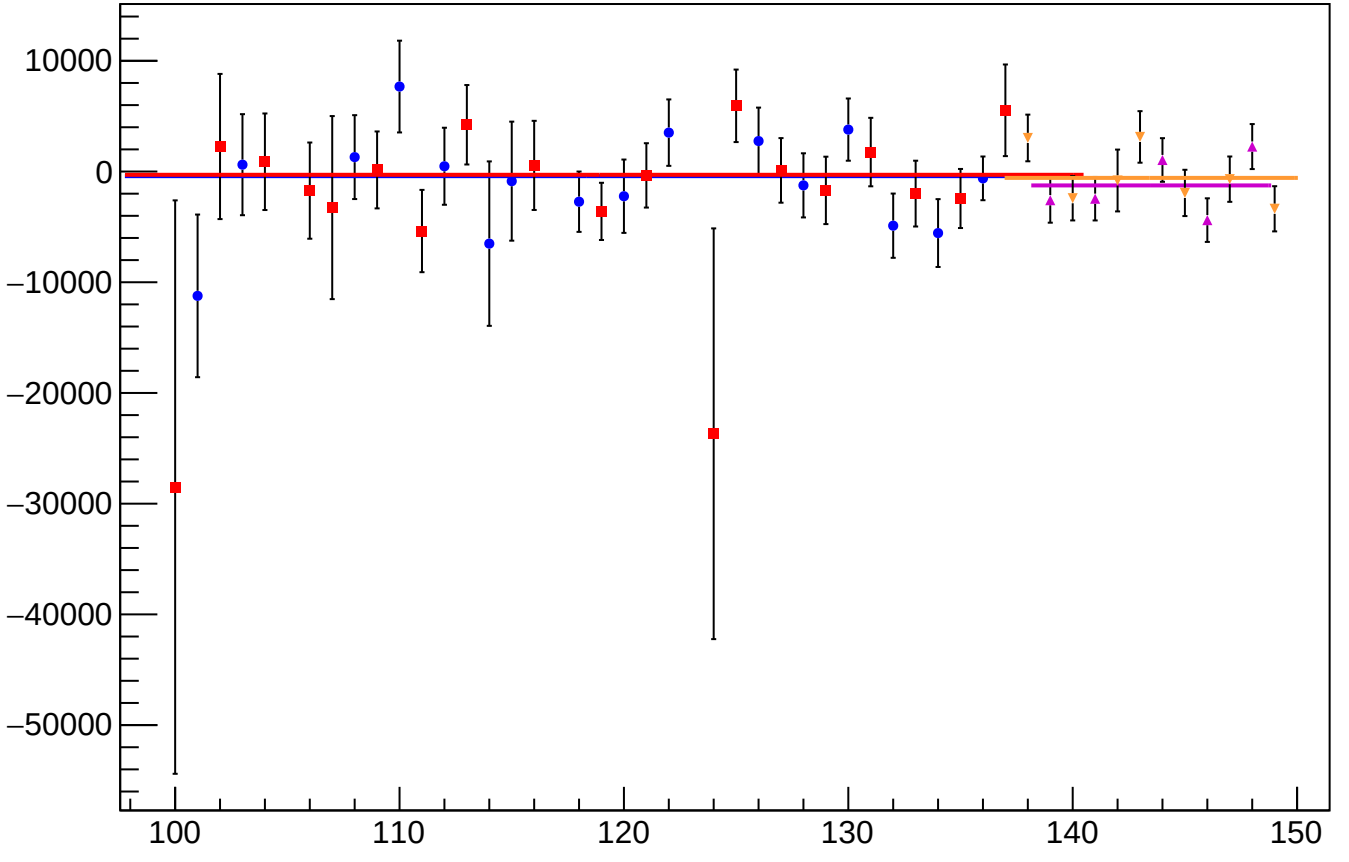
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 524.927+/-0.117 χ^2/NDF:2902777.6/20

Out: 526.337+/-0.117 χ^2/NDF:5237758.0/25

All: 525.632+/-0.083 χ^2/NDF: 8140608.2/46

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -574.182+/-818.115 χ^2/NDF:8.6/6

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: -885.237+/-602.678 χ^2/NDF: 16.6/11

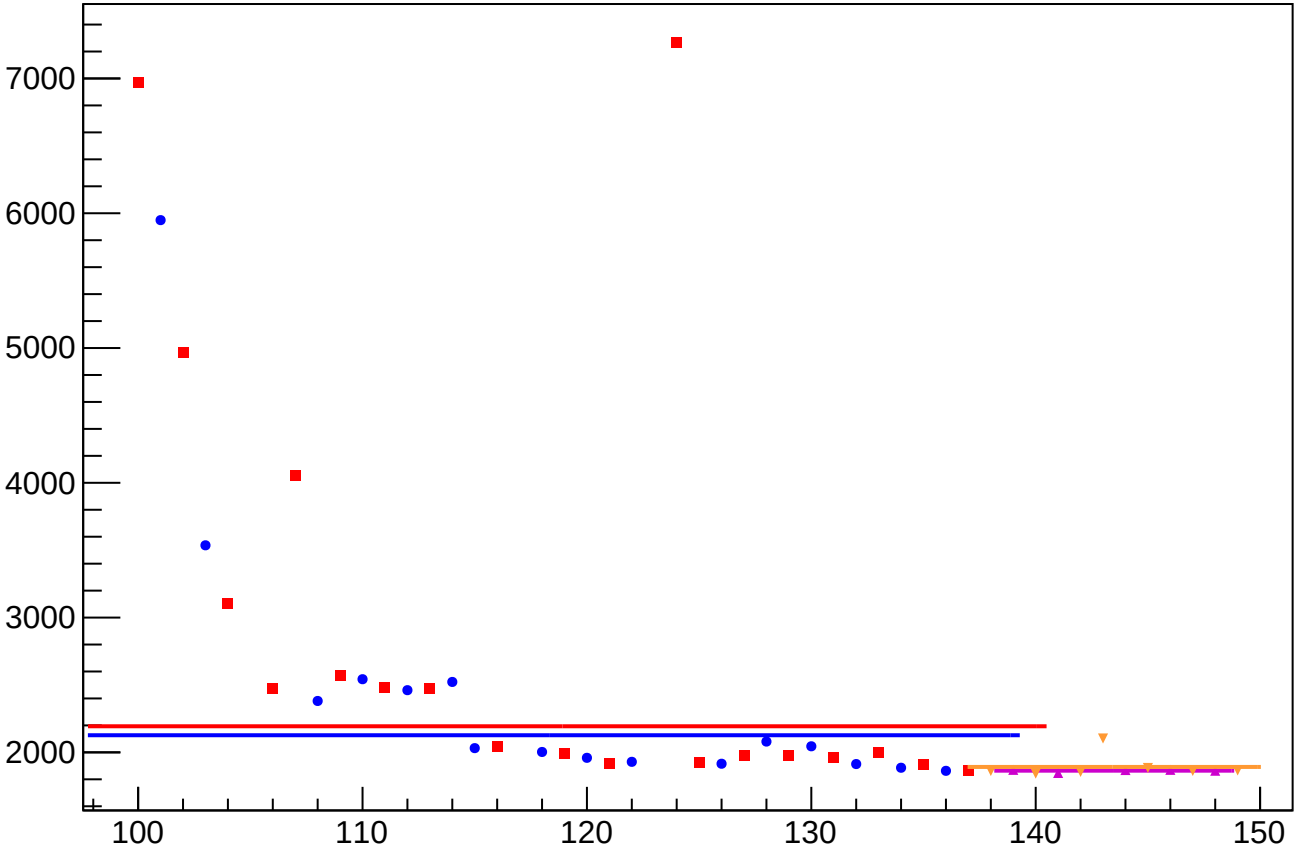
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -798.901+/-601.577 χ^2/NDF:26.5/20

Out: -436.642+/-583.207 χ^2/NDF:24.3/25

All: -612.156+/-418.734 χ^2/NDF: 51.0/46

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1891.823+/-0.578 χ^2/NDF:19187.4/6

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.134+/-0.630 χ^2/NDF:199.5/4

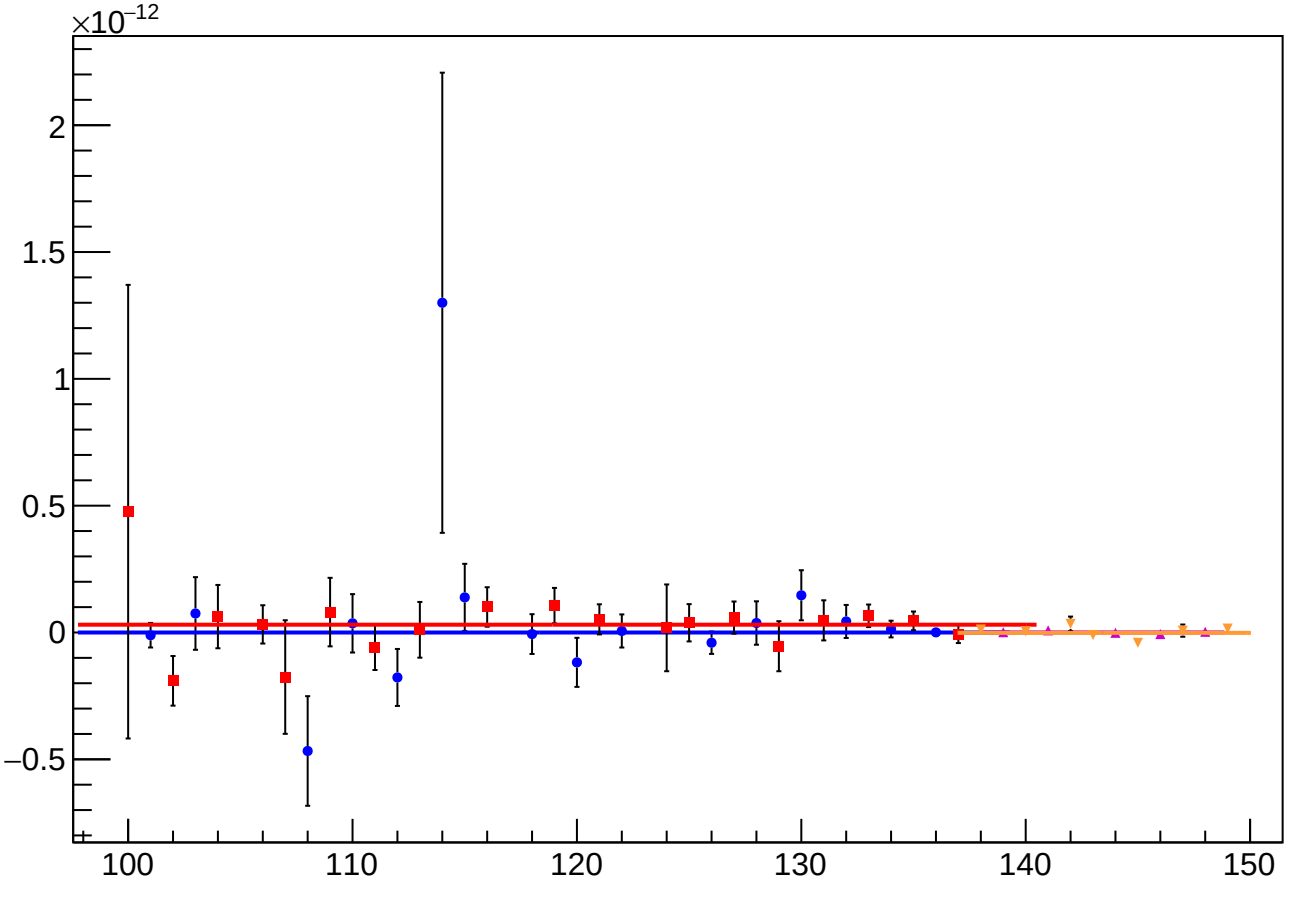
Left: 1879.160+/-0.426 χ^2/NDF: 20434.6/11

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2007.246+/-0.425 χ^2/NDF:970024.0/20

Out: 2040.224+/-0.412 χ^2/NDF:1095571.5/25

All: 2024.246+/-0.296 χ^2/NDF: 2068693.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/4

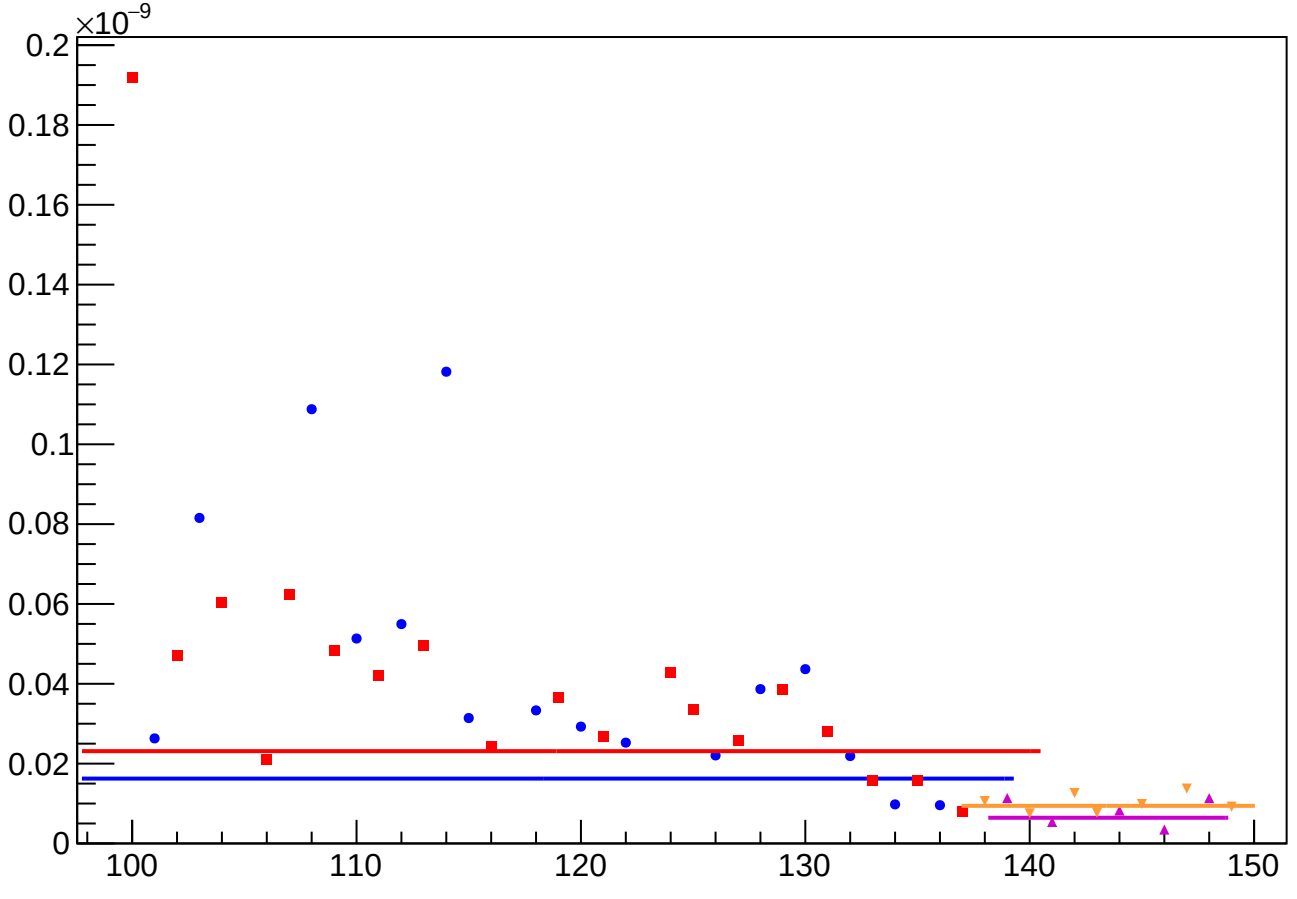
Left: -0.000+/-0.000 χ^2/NDF: 10.4/11

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:25.3/25

All: 0.000+/-0.000 χ^2/NDF: 42.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:162038.2/6

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: 891825.5/11

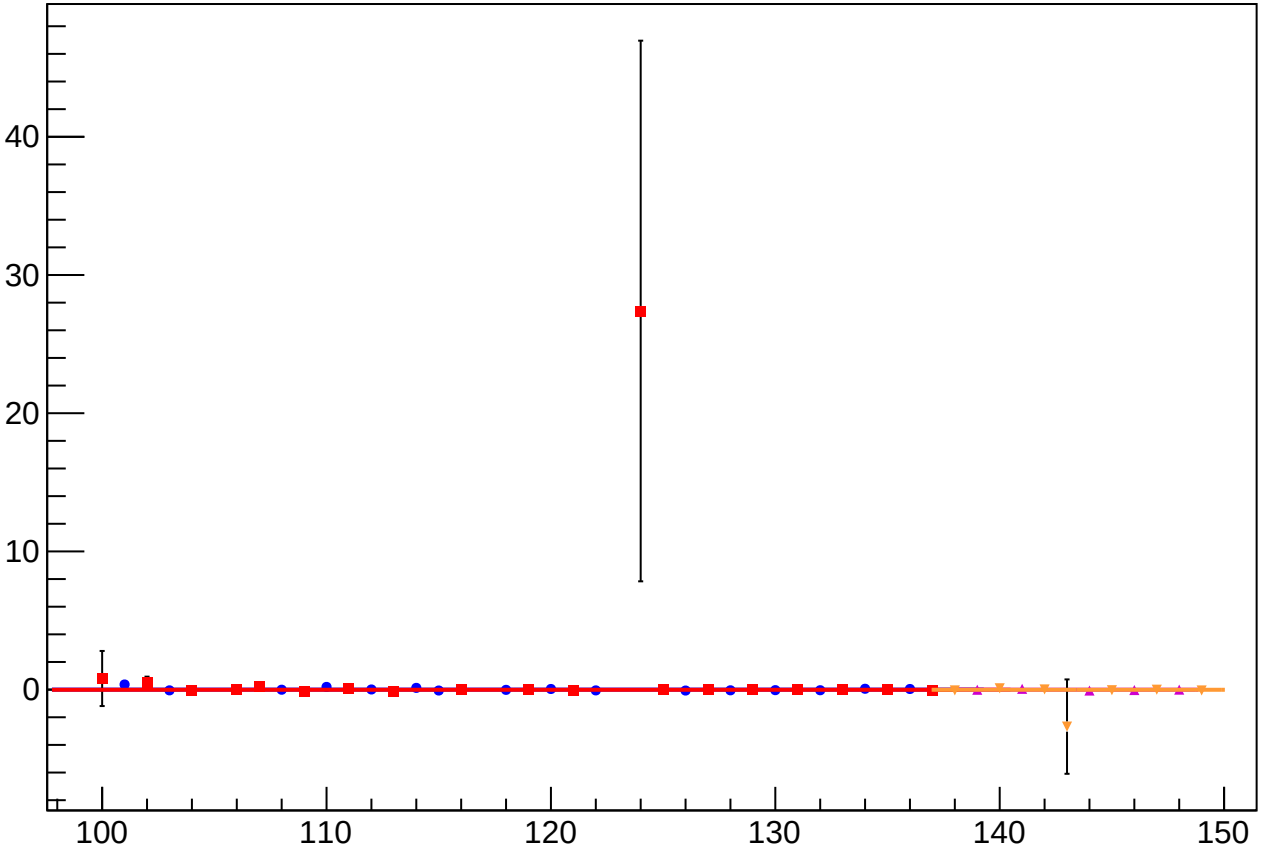
Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3894011.6/20

Out: 0.000+/-0.000 χ^2/NDF:2857850.7/25

All: 0.000+/-0.000 χ^2/NDF: 7057959.3/46

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: -0.011+/-0.017 χ^2/NDF:11.9/6

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.018 χ^2/NDF:5.8/4

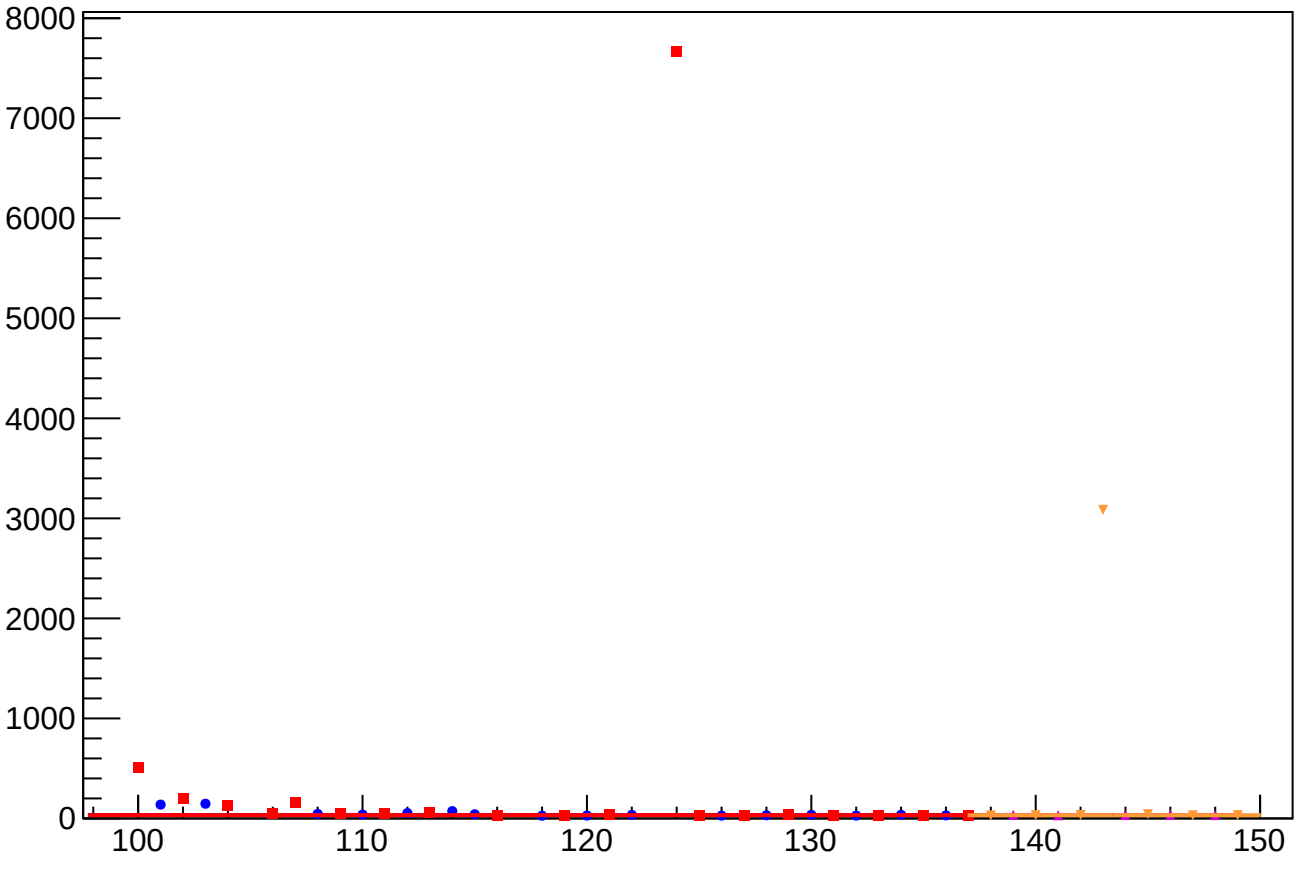
Left: -0.009+/-0.012 χ^2/NDF: 17.7/11

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.011+/-0.011 χ^2/NDF:26.1/25

All: -0.007+/-0.008 χ^2/NDF: 53.5/46



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.982+/-0.012 χ^2/NDF:1685130.5/6

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

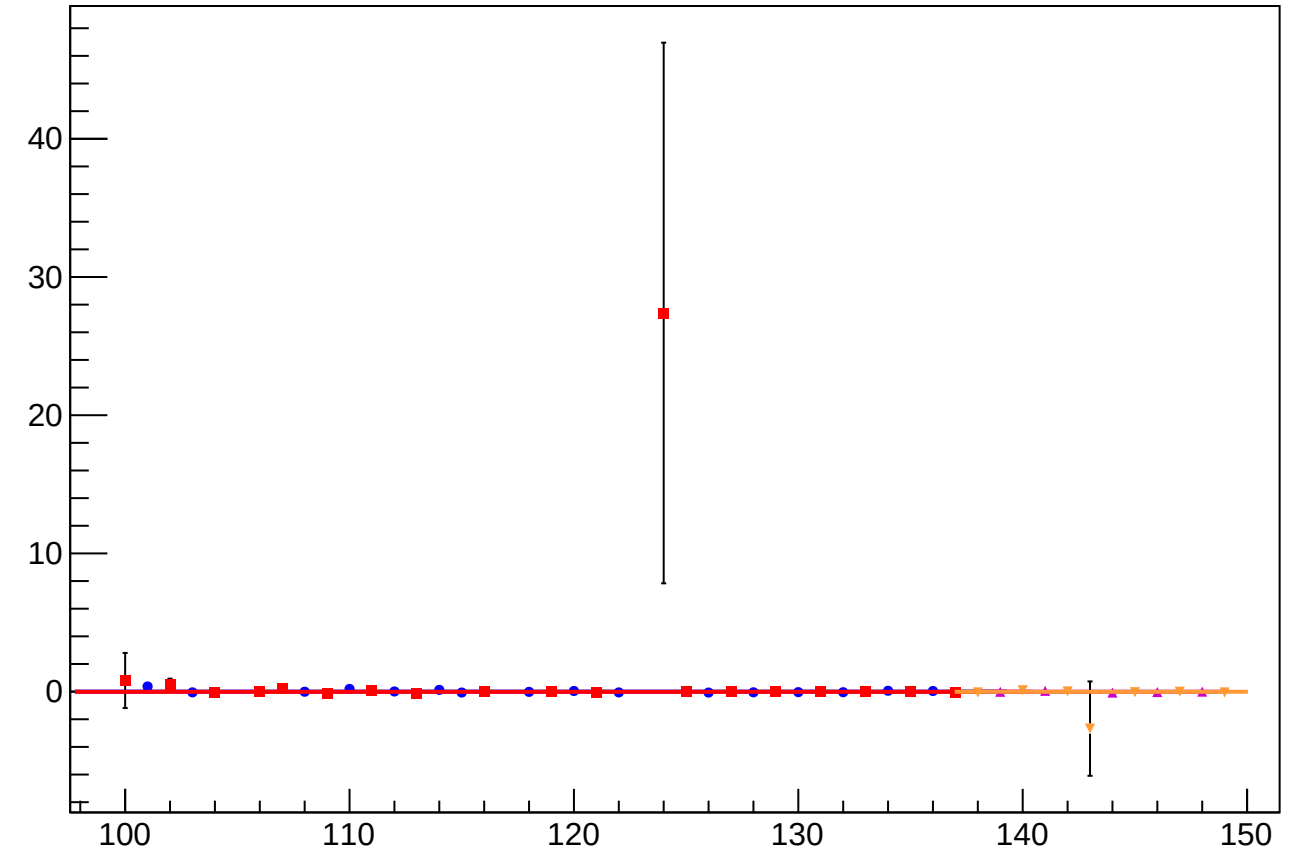
Left: 33.712+/-0.009 χ^2/NDF: 1712878.9/11

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.254+/-0.008 χ^2/NDF:1737729.7/20

Out: 33.039+/-0.008 χ^2/NDF:3760296.4/25

All: 33.632+/-0.006 χ^2/NDF: 5509726.2/46



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.017 χ^2/NDF:11.9/6

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.018 χ^2/NDF:5.8/4

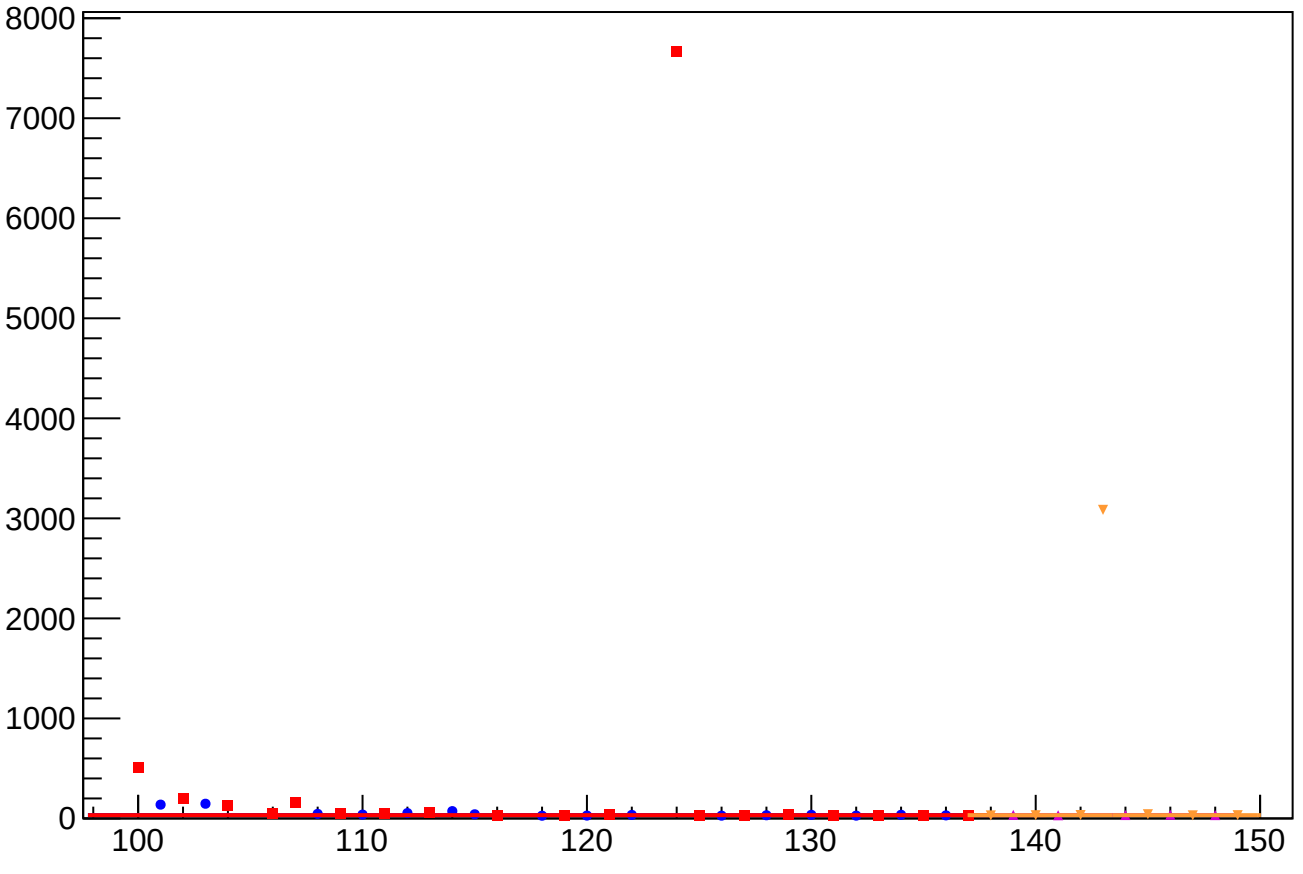
Left: -0.009+/-0.012 χ^2/NDF: 17.7/11

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.011+/-0.011 χ^2/NDF:26.1/25

All: -0.007+/-0.008 χ^2/NDF: 53.5/46



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.982+/-0.012 χ^2/NDF:1685130.5/6

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.543+/-0.013 χ^2/NDF:19573.3/4

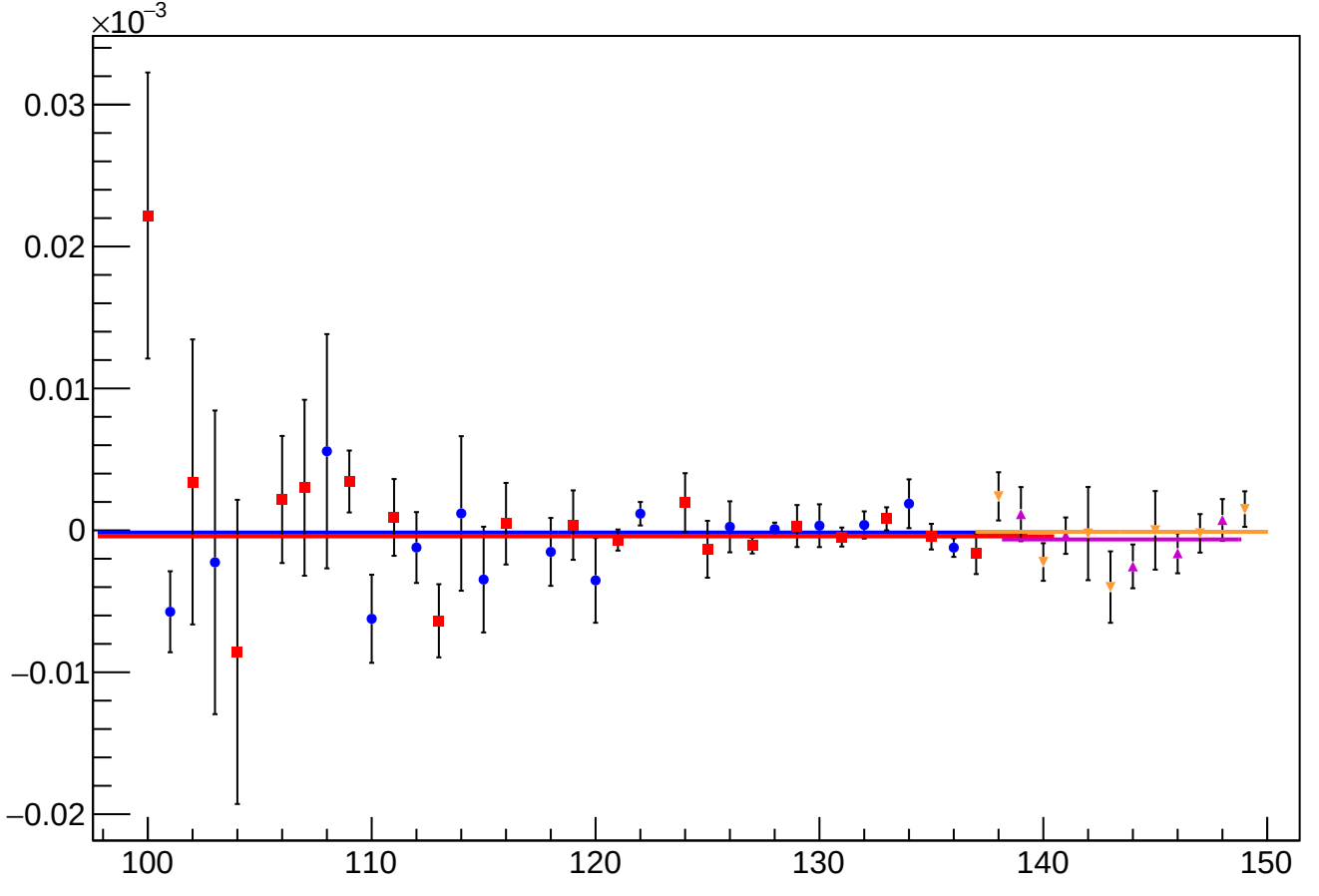
Left: 33.712+/-0.009 χ^2/NDF: 1712878.9/11

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.254+/-0.008 χ^2/NDF:1737729.7/20

Out: 33.039+/-0.008 χ^2/NDF:3760296.4/25

All: 33.632+/-0.006 χ^2/NDF: 5509726.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/6

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: 12.9/11

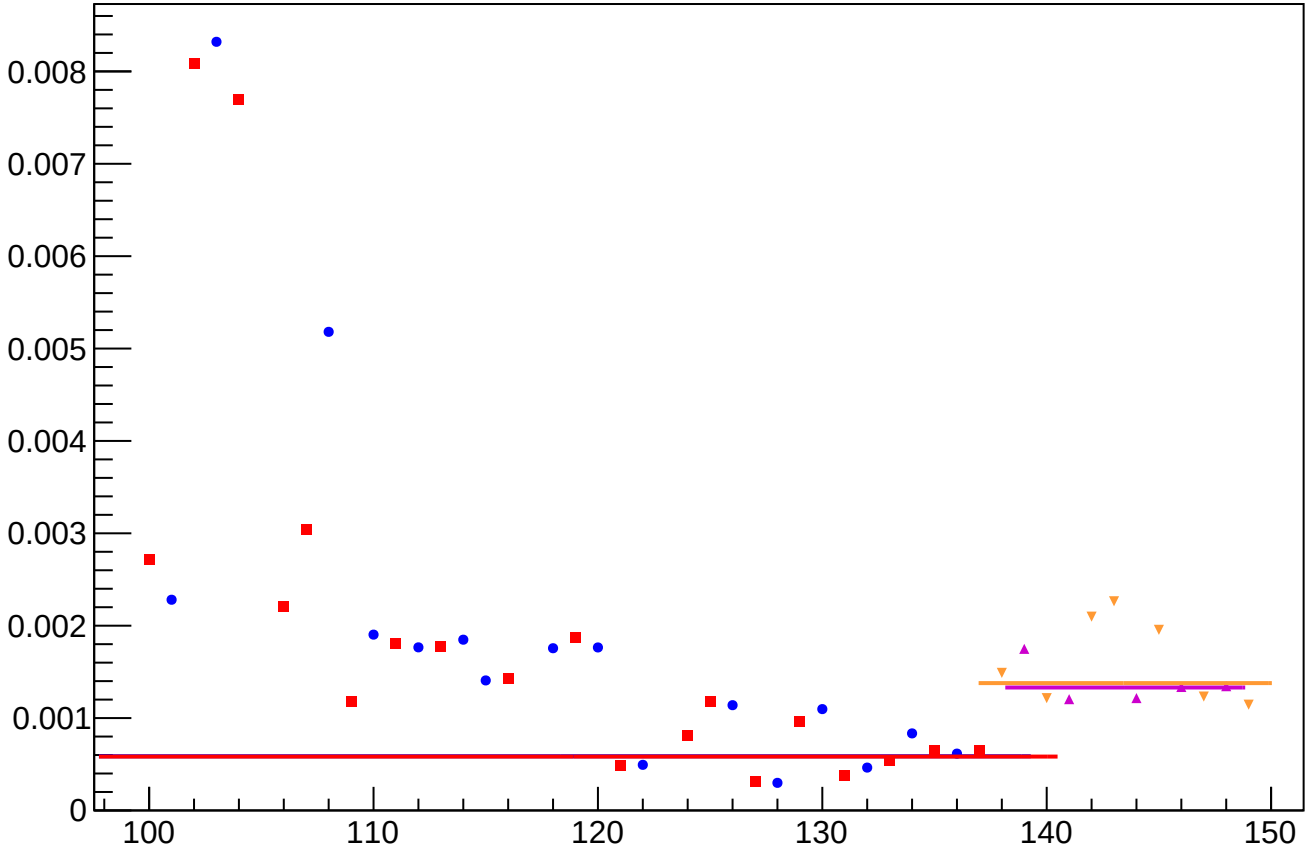
Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:22.4/20

Out: -0.000+/-0.000 χ^2/NDF:30.6/25

All: -0.000+/-0.000 χ^2/NDF: 53.1/46

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:561366.9/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126953.7/4

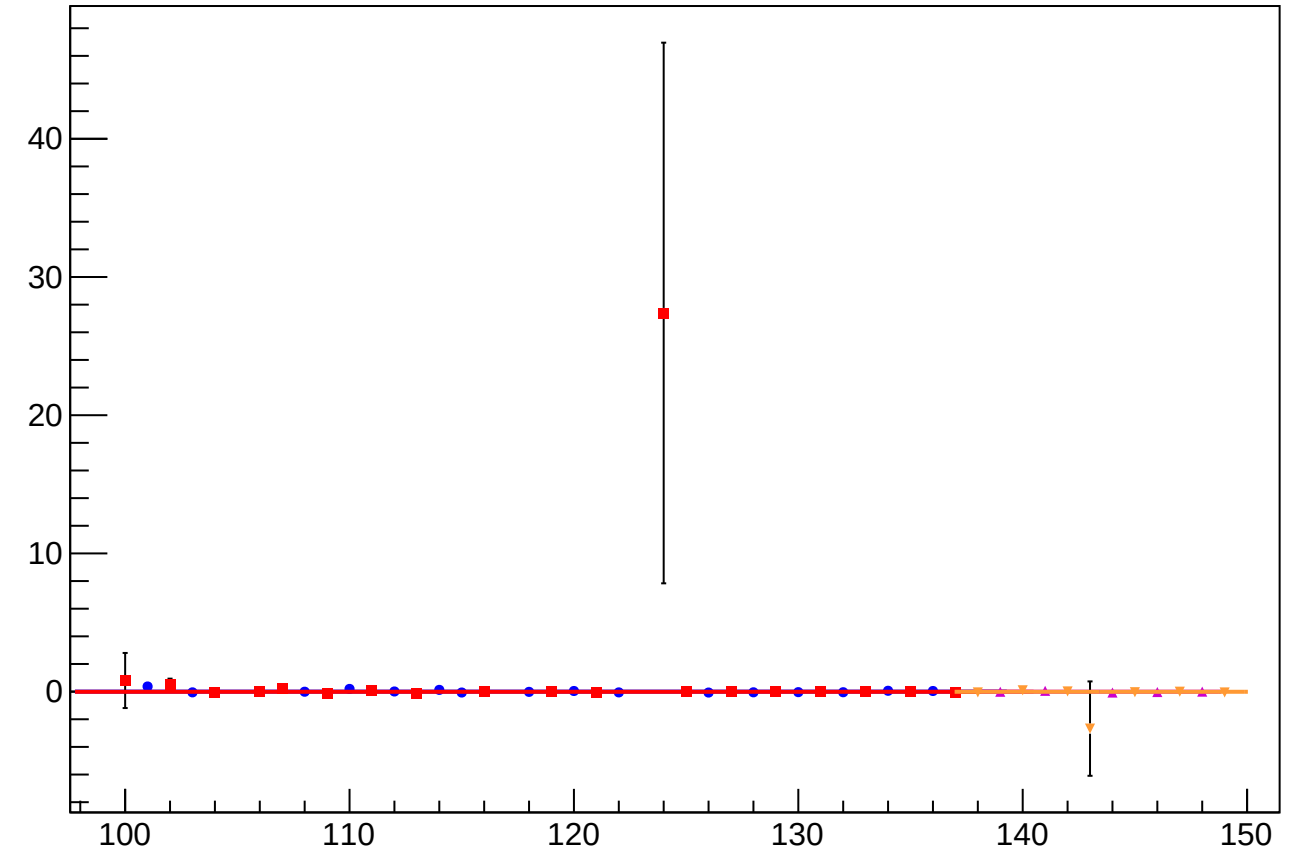
Left: 0.001+/-0.000 χ^2/NDF: 693692.1/11

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:8600761.1/25

All: 0.001+/-0.000 χ^2/NDF: 16313419.8/46



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.017 χ^2/NDF:11.9/6

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: -0.009+/-0.012 χ^2/NDF: 17.7/11

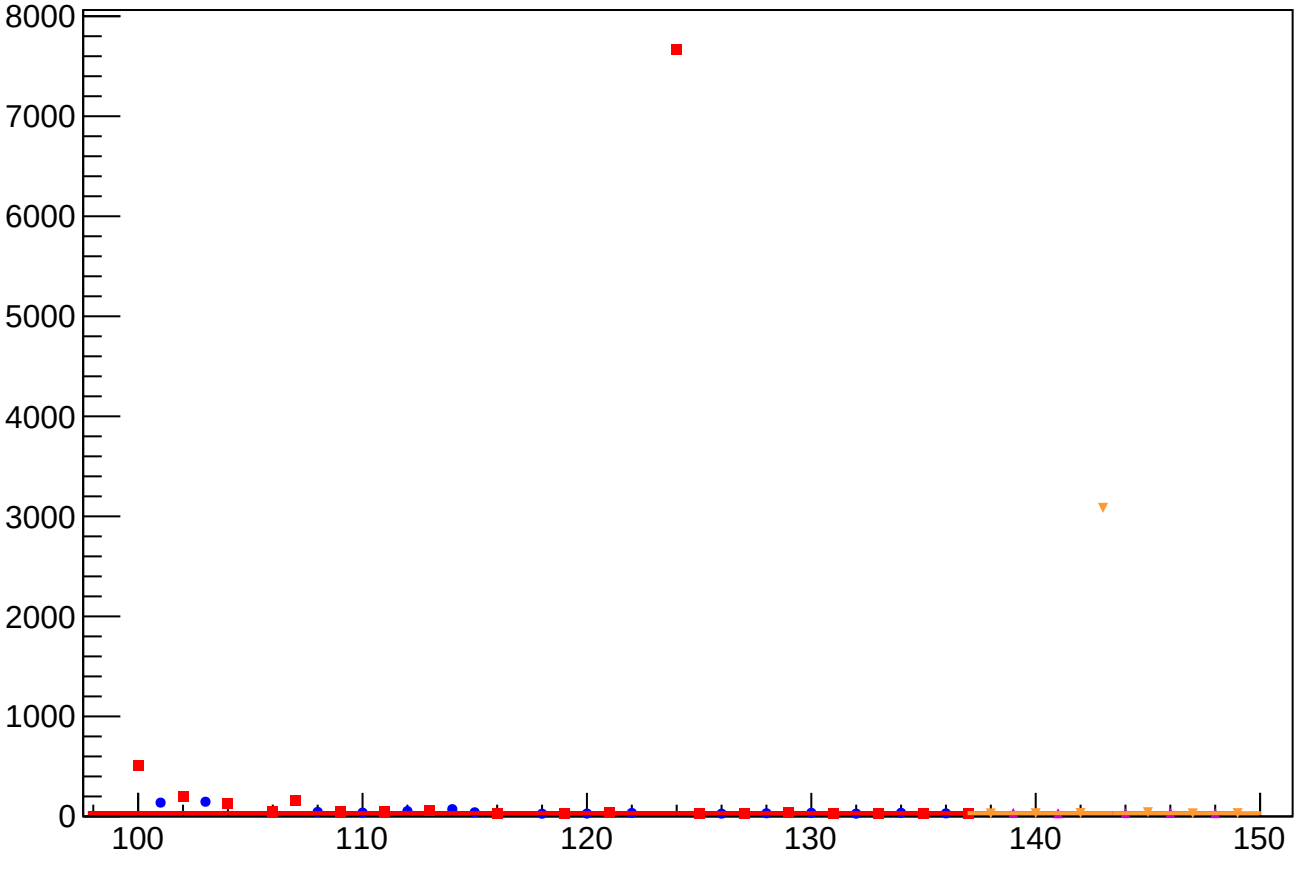
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.011+/-0.011 χ^2/NDF:26.1/25

All: -0.007+/-0.008 χ^2/NDF: 53.5/46

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: 32.982+/-0.012 χ^2/NDF:1685133.5/6

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: 33.712+/-0.009 χ^2/NDF: 1712887.0/11

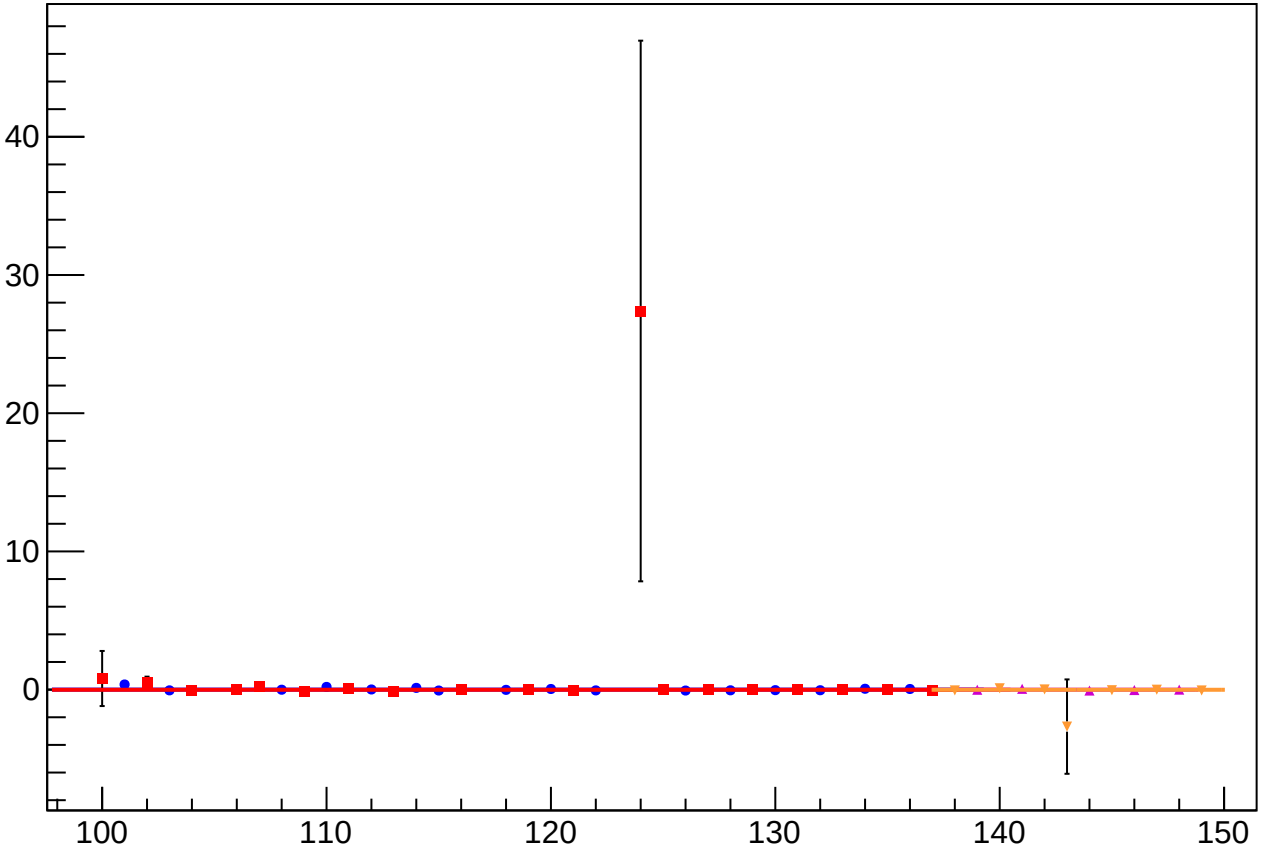
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.254+/-0.008 χ^2/NDF:1737720.8/20

Out: 33.038+/-0.008 χ^2/NDF:3760280.8/25

All: 33.632+/-0.006 χ^2/NDF: 5509704.8/46

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: -0.011+/-0.017 χ^2/NDF:11.9/6

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: -0.009+/-0.012 χ^2/NDF: 17.7/11

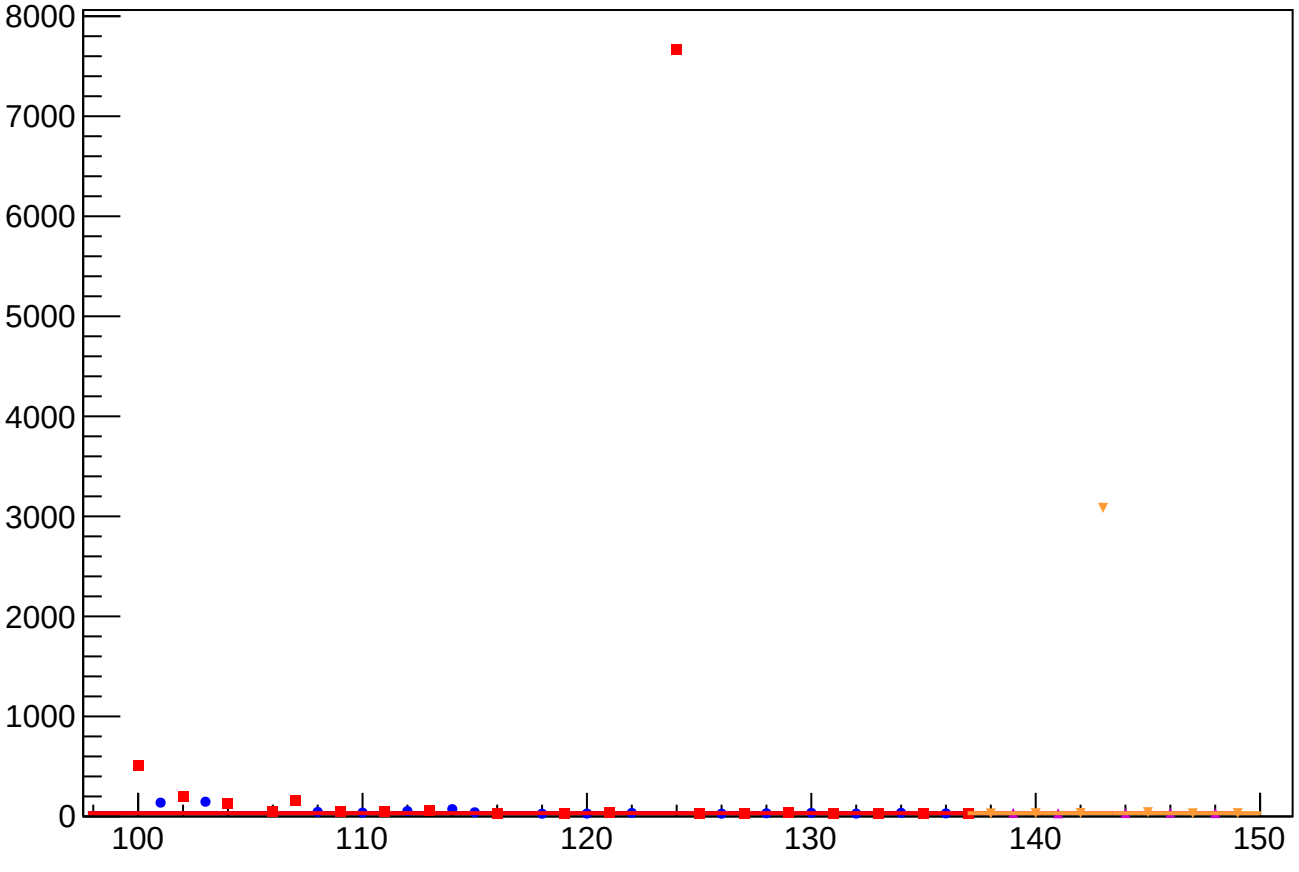
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.011 χ^2/NDF:27.0/20

Out: -0.011+/-0.011 χ^2/NDF:26.1/25

All: -0.007+/-0.008 χ^2/NDF: 53.5/46

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: 32.982+/-0.012 χ^2/NDF:1685133.5/6

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.543+/-0.013 χ^2/NDF:19576.2/4

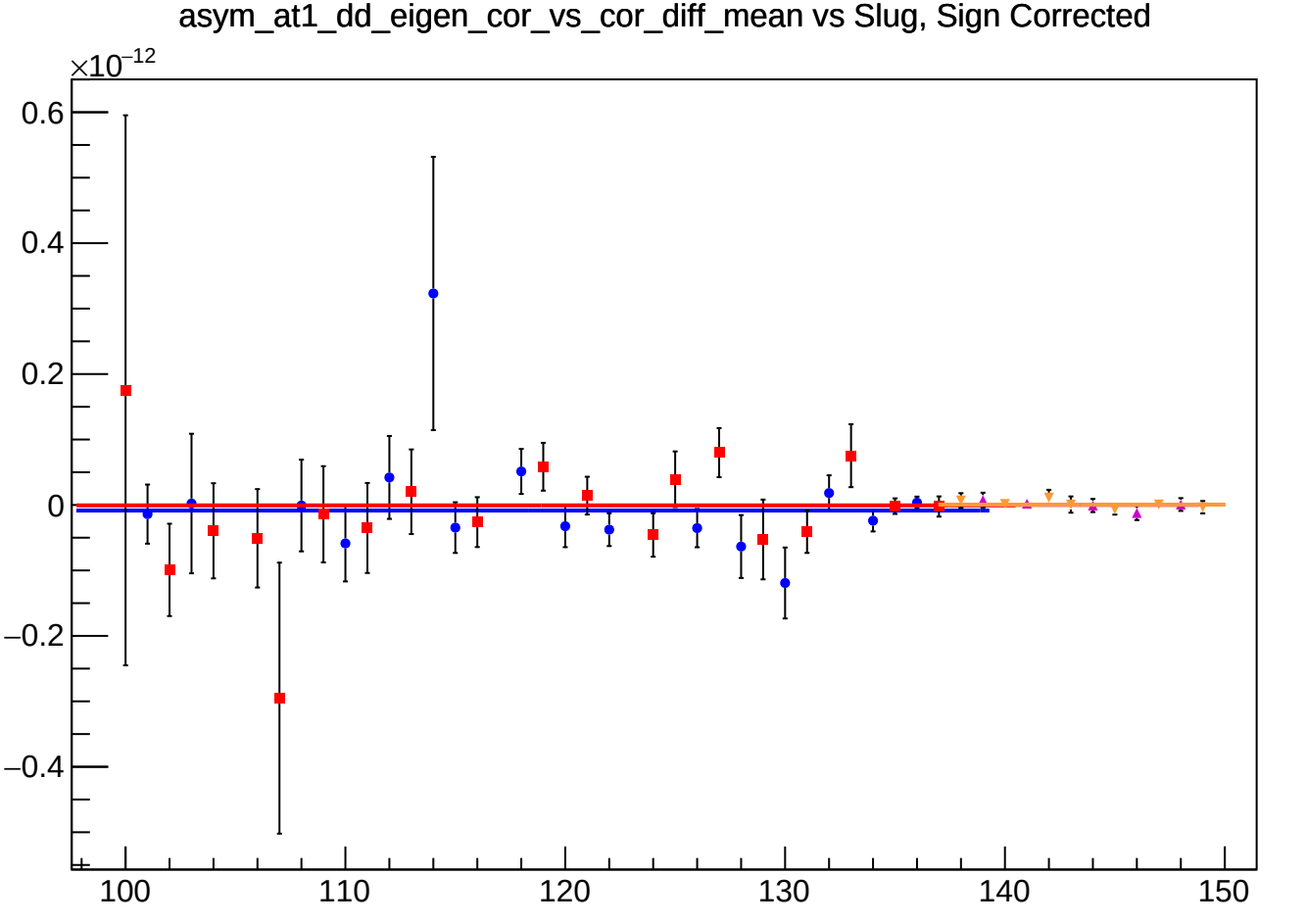
Left: 33.712+/-0.009 χ^2/NDF: 1712887.0/11

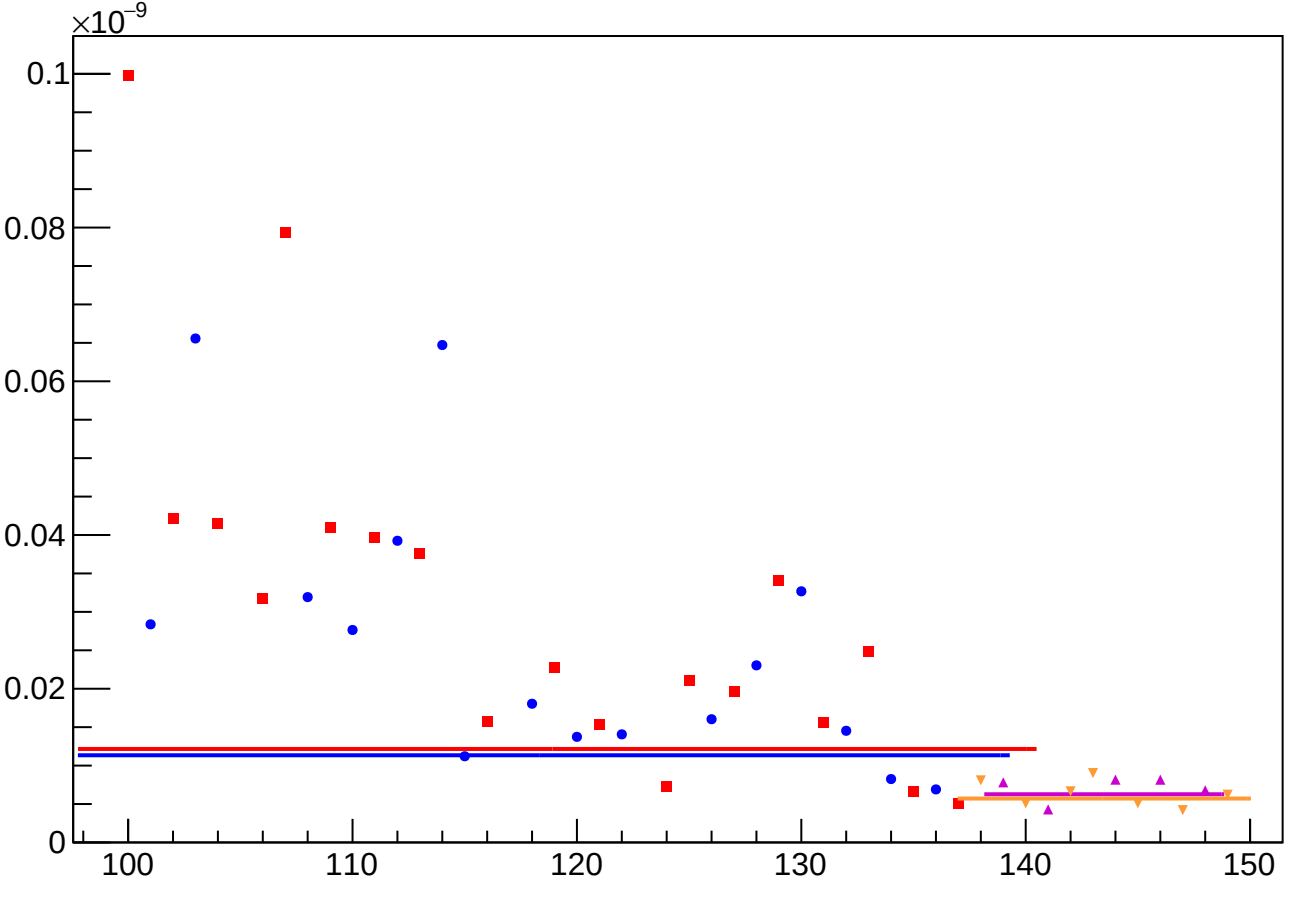
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.254+/-0.008 χ^2/NDF:1737720.8/20

Out: 33.038+/-0.008 χ^2/NDF:3760280.8/25

All: 33.632+/-0.006 χ^2/NDF: 5509704.8/46


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/18
Left In: 0.000+/-0.000 χ²/NDF:1.8/4
Left: 0.000+/-0.000 χ²/NDF: 3.9/11
Right: -0.000+/-0.000 χ²/NDF: 40.7/34
In: -0.000+/-0.000 χ²/NDF:22.4/20
Out: 0.000+/-0.000 χ²/NDF:22.9/25
All: -0.000+/-0.000 χ²/NDF: 45.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:363046.7/6

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: 765479.0/11

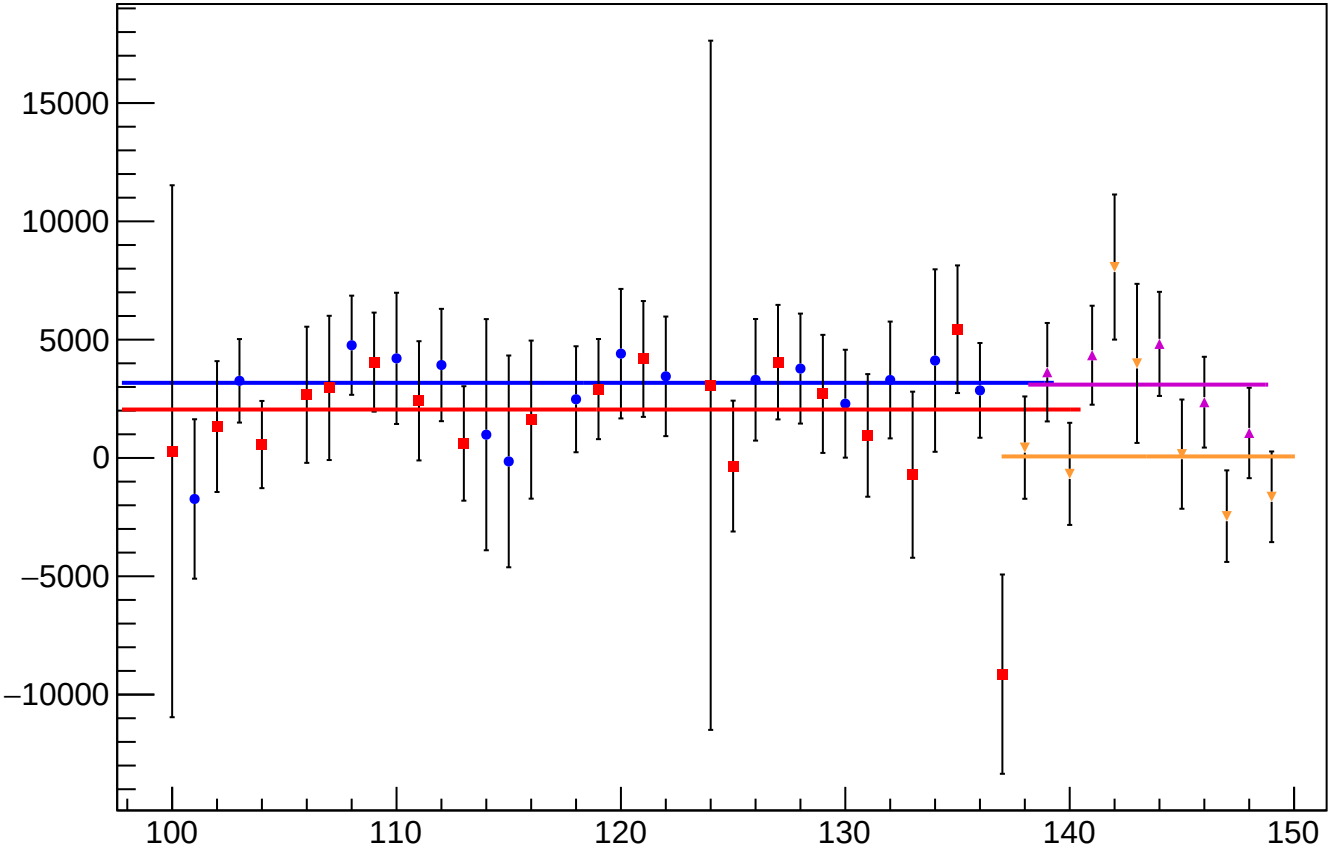
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4098599.5/20

Out: 0.000+/-0.000 χ^2/NDF:5426801.2/25

All: 0.000+/-0.000 χ^2/NDF: 9595355.6/46

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 64.348+/-860.467 χ^2/NDF:10.8/6

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: 1499.663+/-624.725 χ^2/NDF: 19.0/11

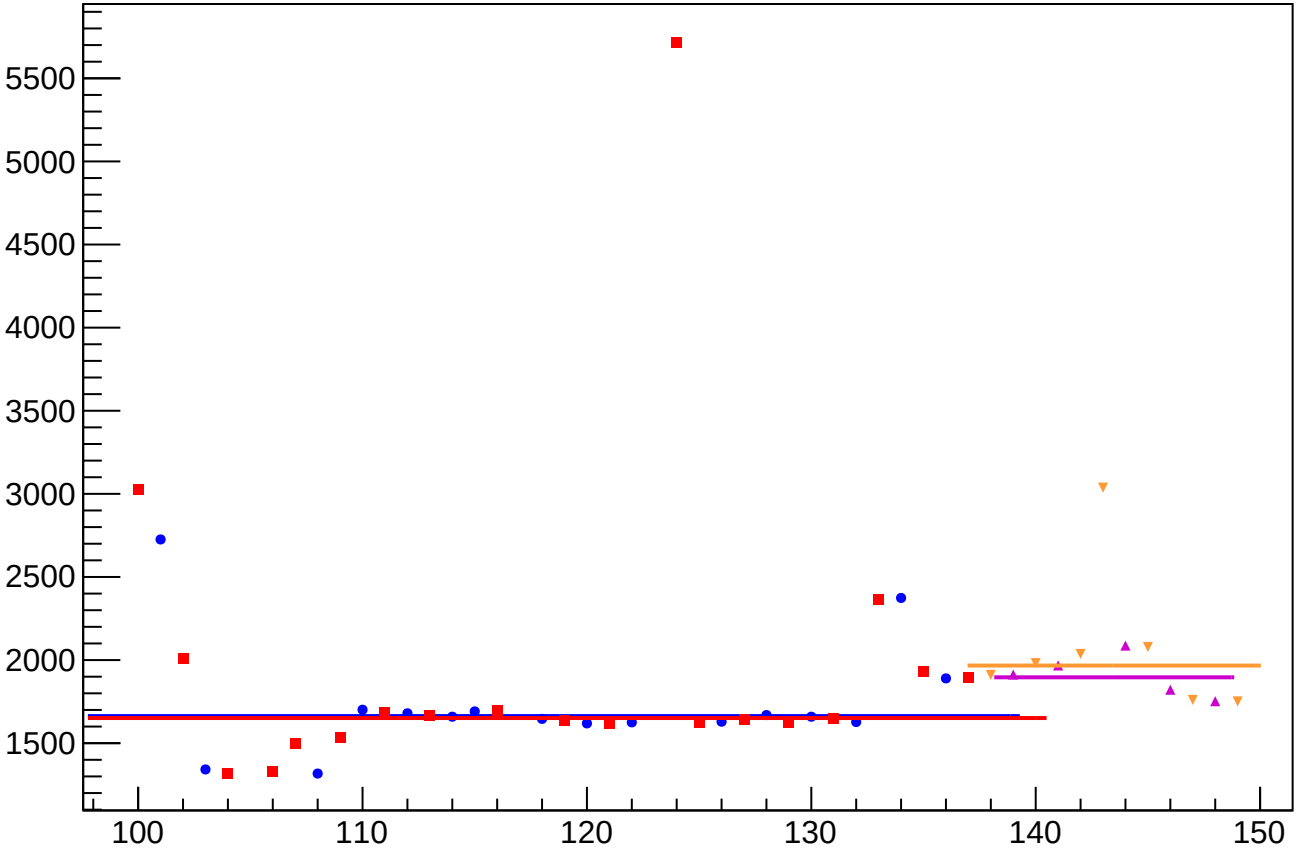
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3151.027+/-516.583 χ^2/NDF:6.6/20

Out: 1367.542+/-503.822 χ^2/NDF:28.4/25

All: 2236.983+/-360.683 χ^2/NDF: 41.1/46

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1967.040+/-0.608 χ^2/NDF:258096.5/6

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

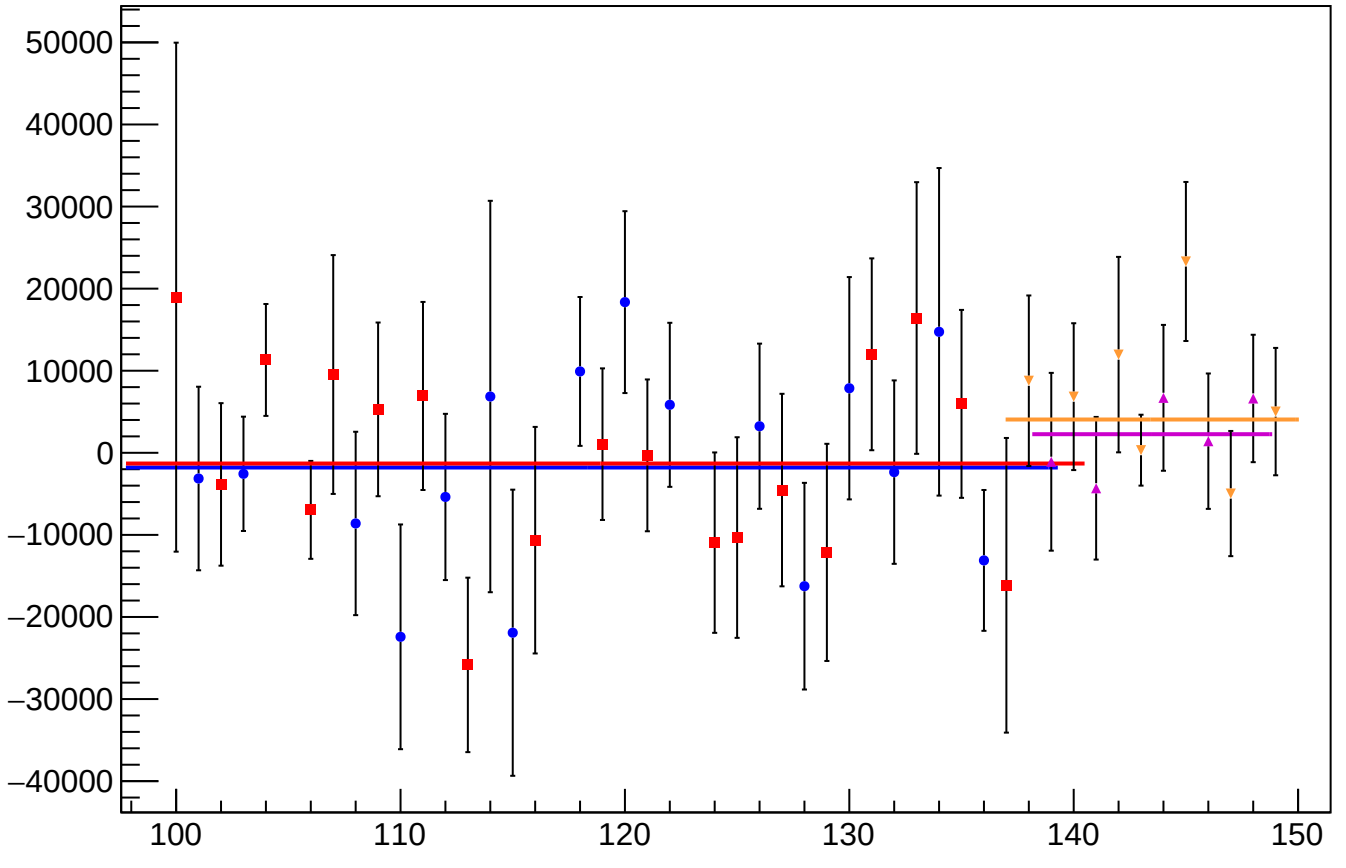
Left: 1933.598+/-0.442 χ^2/NDF: 296350.5/11

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1738.374+/-0.365 χ^2/NDF:536835.6/20

Out: 1759.561+/-0.356 χ^2/NDF:867005.7/25

All: 1749.232+/-0.255 χ^2/NDF: 1405565.5/46



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 4056.517+/-2807.191 χ^2/NDF:6.9/6

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2267.374+/-3900.189 χ^2/NDF:1.2/4

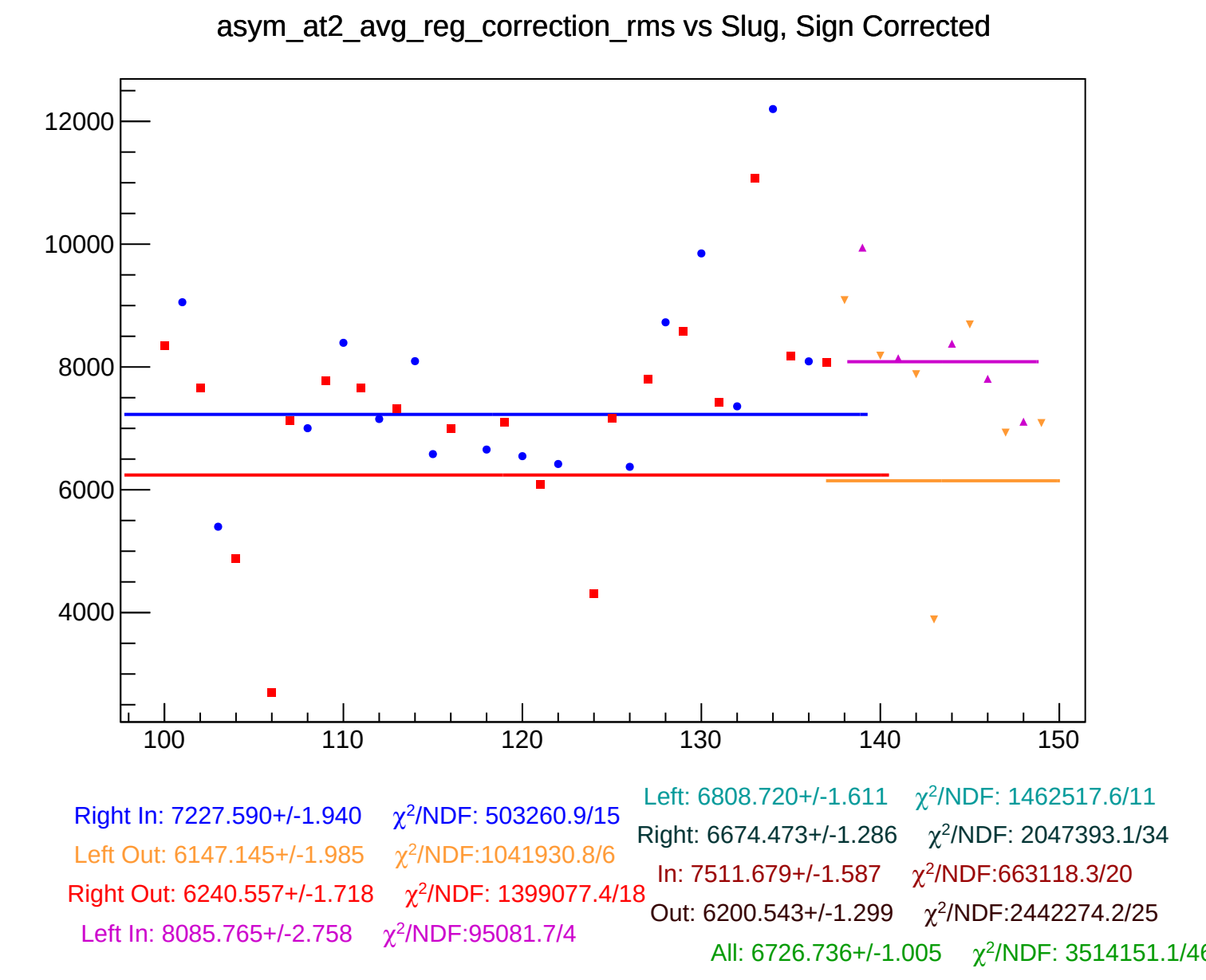
Left: 3445.953+/-2278.394 χ^2/NDF: 8.2/11

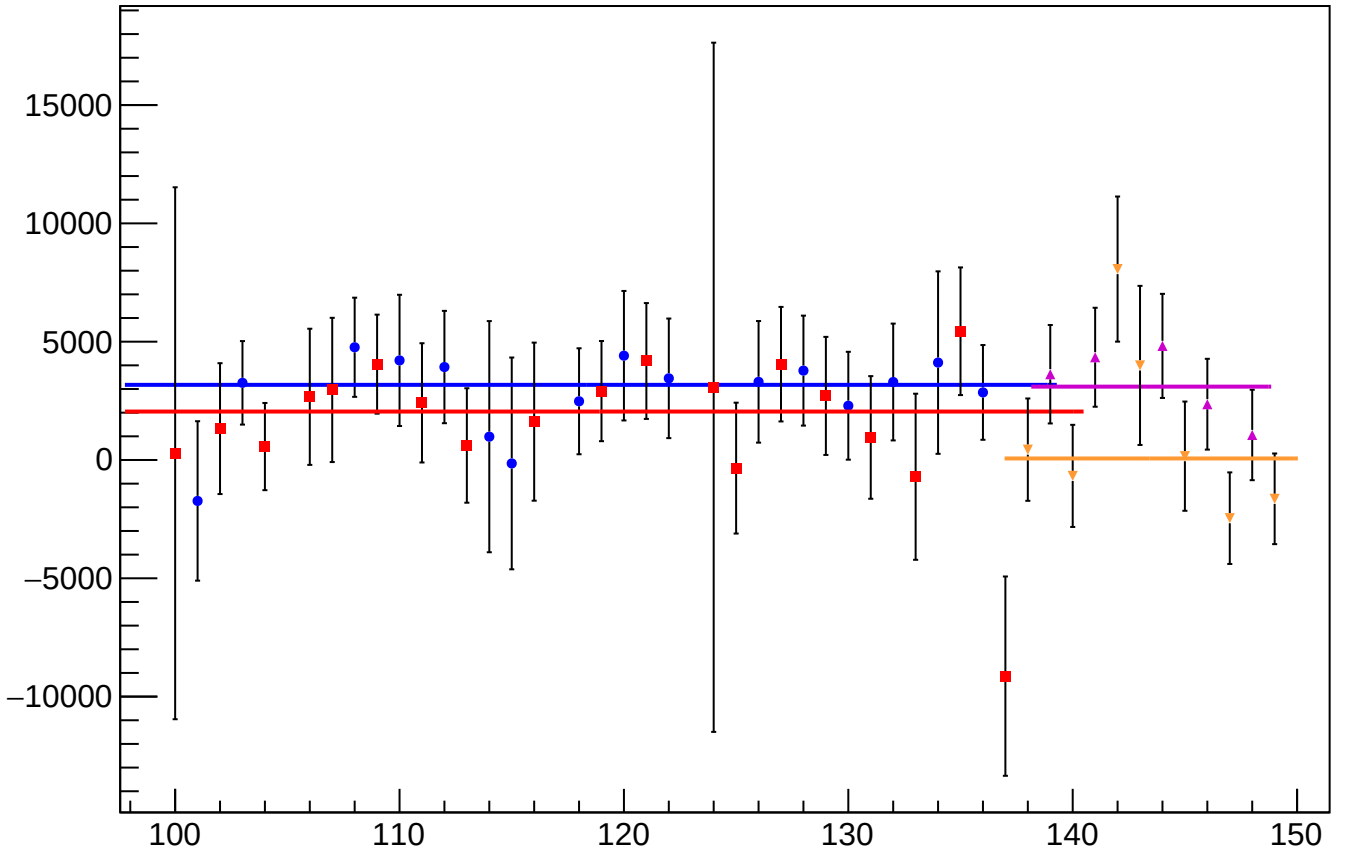
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -447.546+/-2244.008 χ^2/NDF:16.3/20

Out: 990.925+/-1837.291 χ^2/NDF:26.7/25

All: 413.629+/-1421.586 χ^2/NDF: 43.2/46


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 6147.145+/-1.985 χ²/NDF:1041930.8/6
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8085.765+/-2.758 χ²/NDF:95081.7/4
Left: 6808.720+/-1.611 χ²/NDF: 1462517.6/11
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7511.679+/-1.587 χ²/NDF:663118.3/20
Out: 6200.543+/-1.299 χ²/NDF:2442274.2/25
All: 6726.736+/-1.005 χ²/NDF: 3514151.1/46



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 64.385+/-860.467 χ^2/NDF:10.8/6

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3099.860+/-908.475 χ^2/NDF:2.3/4

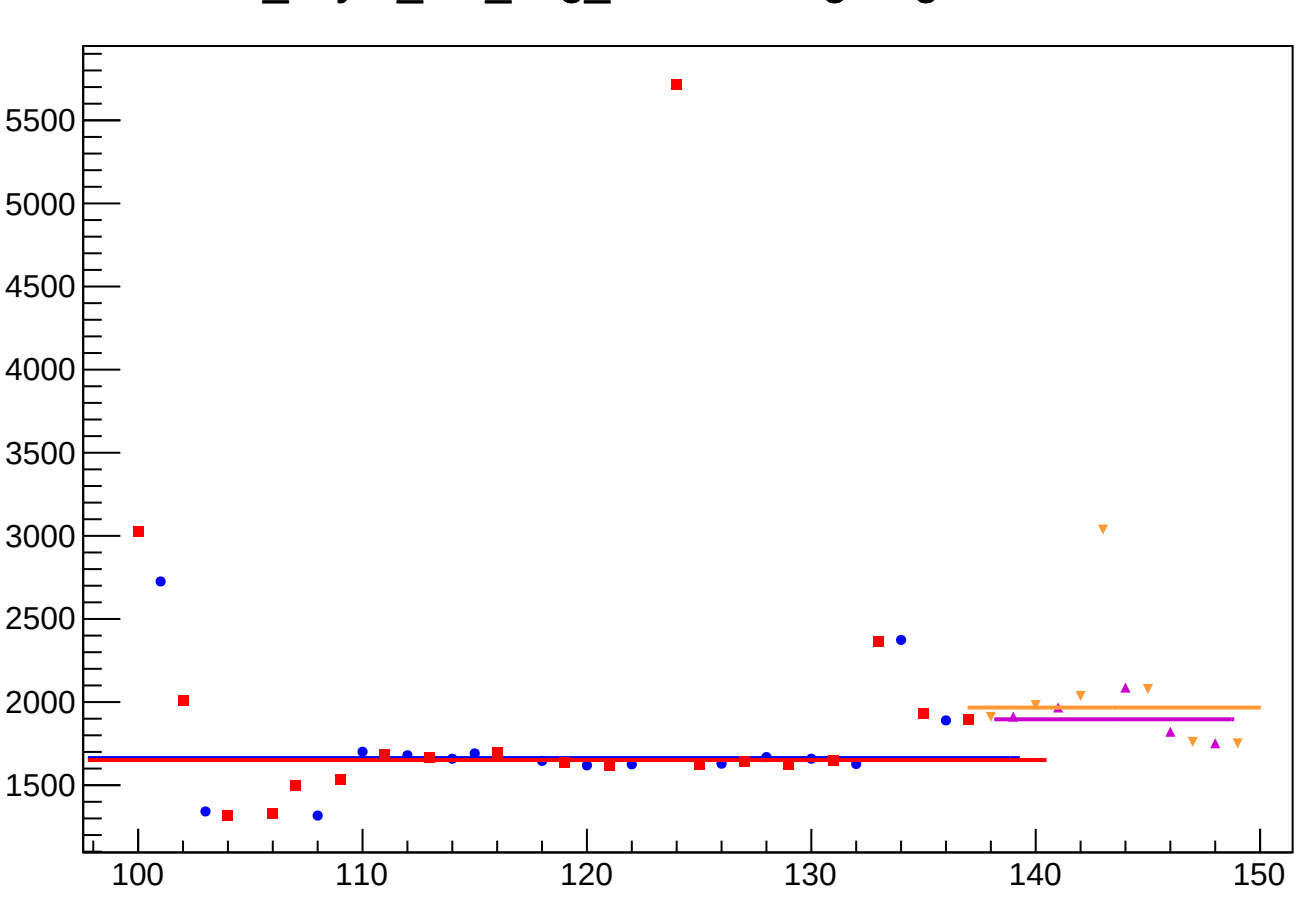
Left: 1499.803+/-624.725 χ^2/NDF: 19.0/11

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3151.170+/-516.583 χ^2/NDF:6.6/20

Out: 1367.427+/-503.822 χ^2/NDF:28.4/25

All: 2236.994+/-360.683 χ^2/NDF: 41.1/46



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1967.040+/-0.608 χ^2/NDF:258096.5/6

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1896.319+/-0.642 χ^2/NDF:31865.3/4

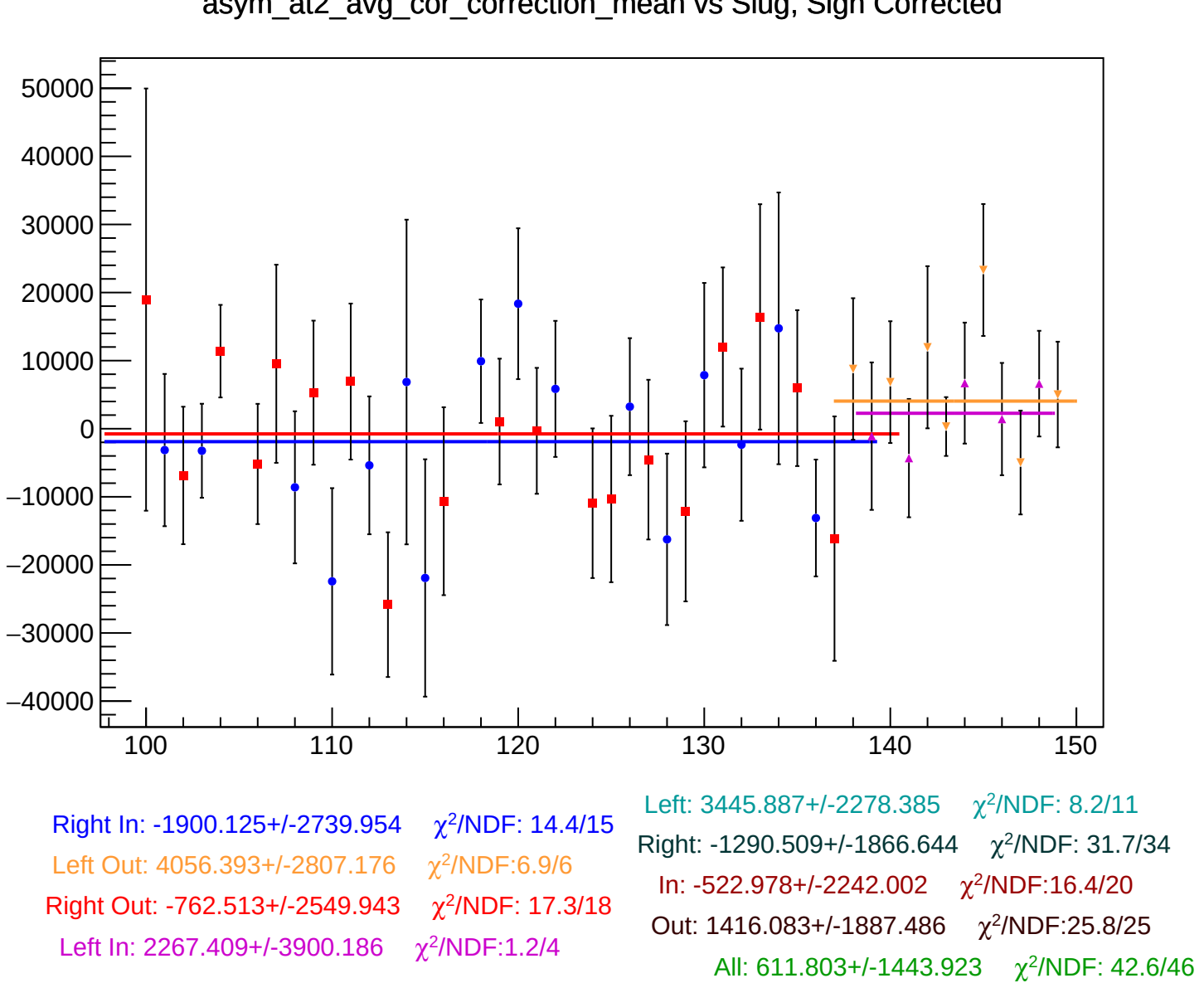
Left: 1933.598+/-0.442 χ^2/NDF: 296350.5/11

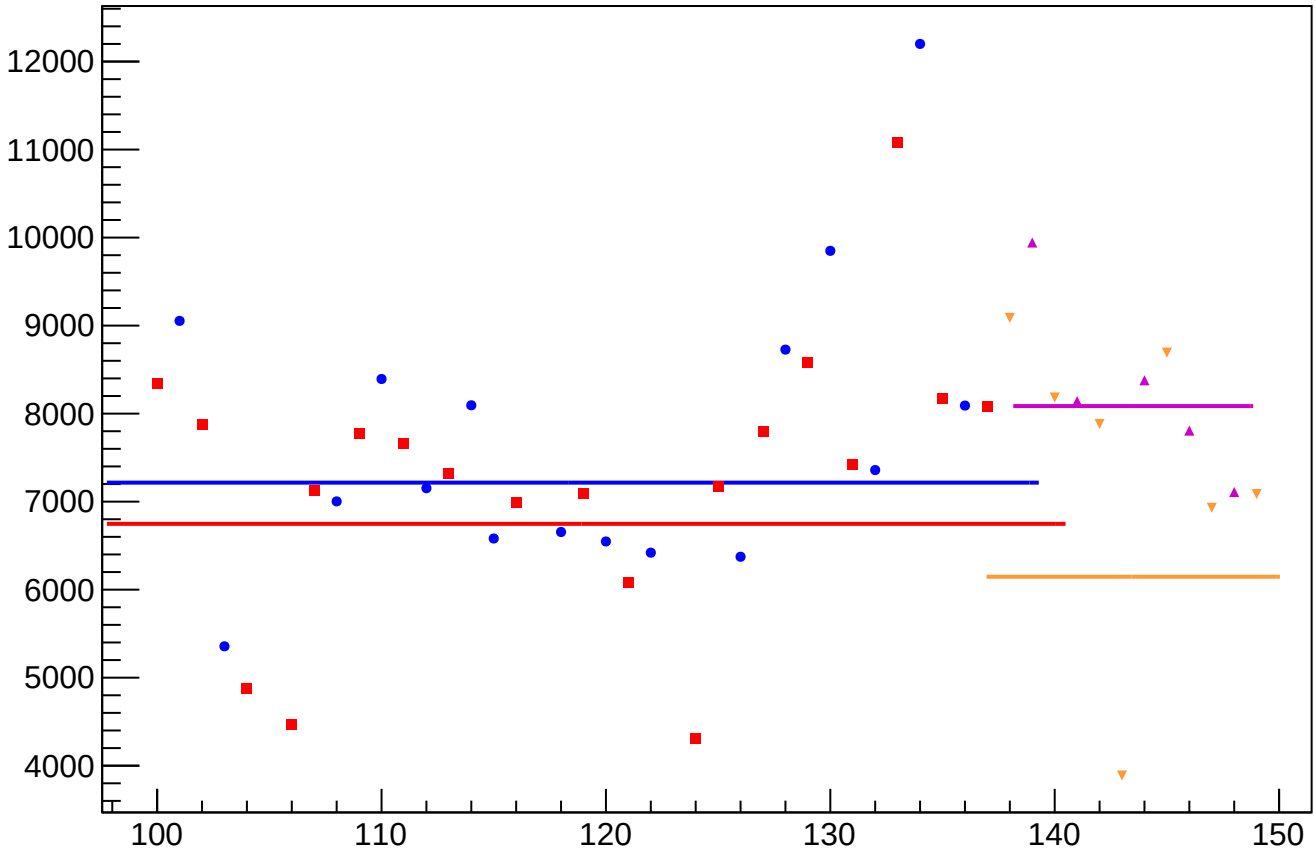
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1738.374+/-0.365 χ^2/NDF:536836.1/20

Out: 1759.561+/-0.356 χ^2/NDF:867006.0/25

All: 1749.232+/-0.255 χ^2/NDF: 1405566.2/46


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 4056.393+/-2807.176 χ²/NDF:6.9/6
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 2267.409+/-3900.186 χ²/NDF:1.2/4
Left: 3445.887+/-2278.385 χ²/NDF: 8.2/11
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -522.978+/-2242.002 χ²/NDF:16.4/20
Out: 1416.083+/-1887.486 χ²/NDF:25.8/25
All: 611.803+/-1443.923 χ²/NDF: 42.6/46



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6147.104+/-1.985 χ^2/NDF:1041957.7/6

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8085.760+/-2.758 χ^2/NDF:95081.6/4

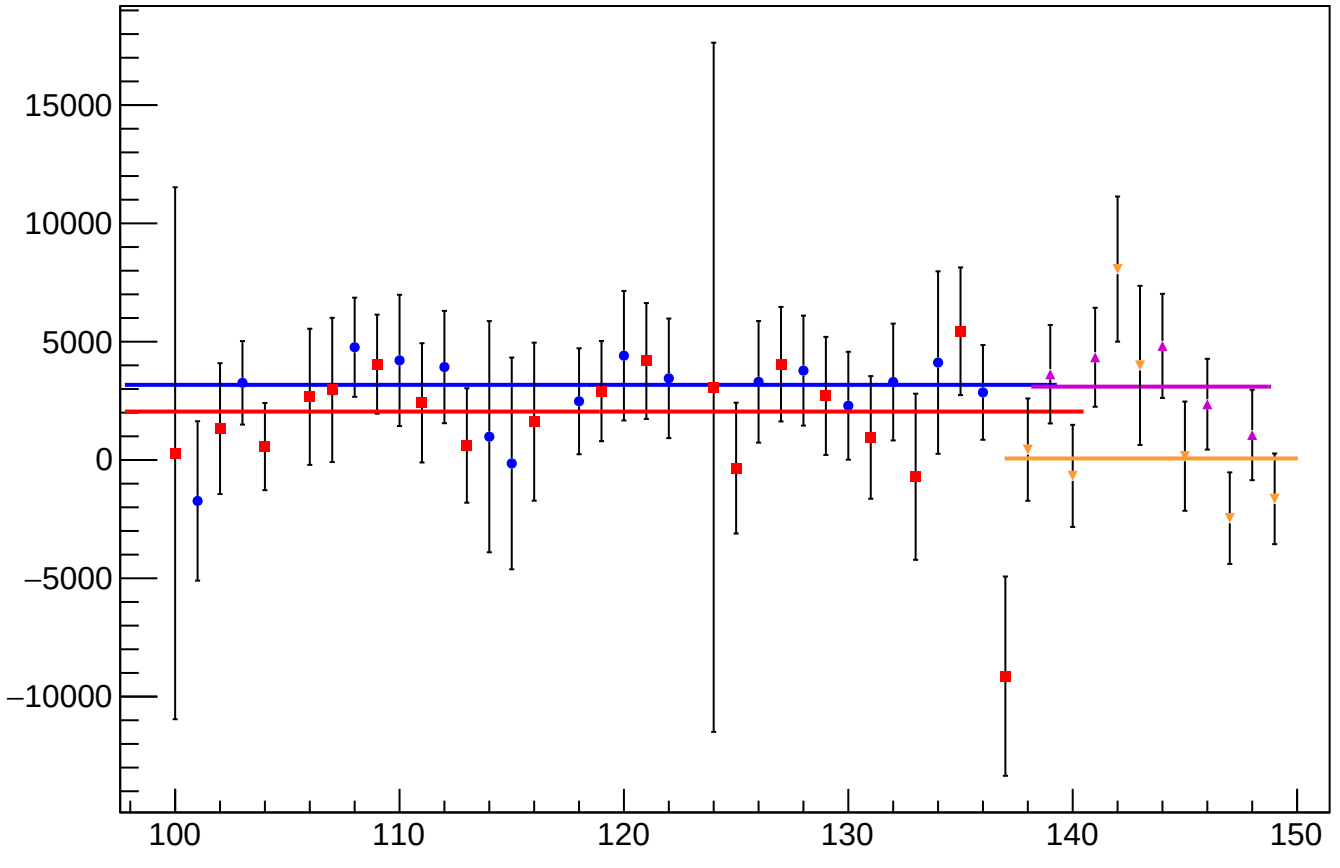
Left: 6808.687+/-1.611 χ^2/NDF: 1462558.1/11

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7503.429+/-1.585 χ^2/NDF:673798.7/20

Out: 6476.194+/-1.335 χ^2/NDF:1800917.7/25

All: 6902.269+/-1.021 χ^2/NDF: 2720423.6/46



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 64.385+/-860.467 χ^2/NDF:10.8/6

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3099.860+/-908.475 χ^2/NDF:2.3/4

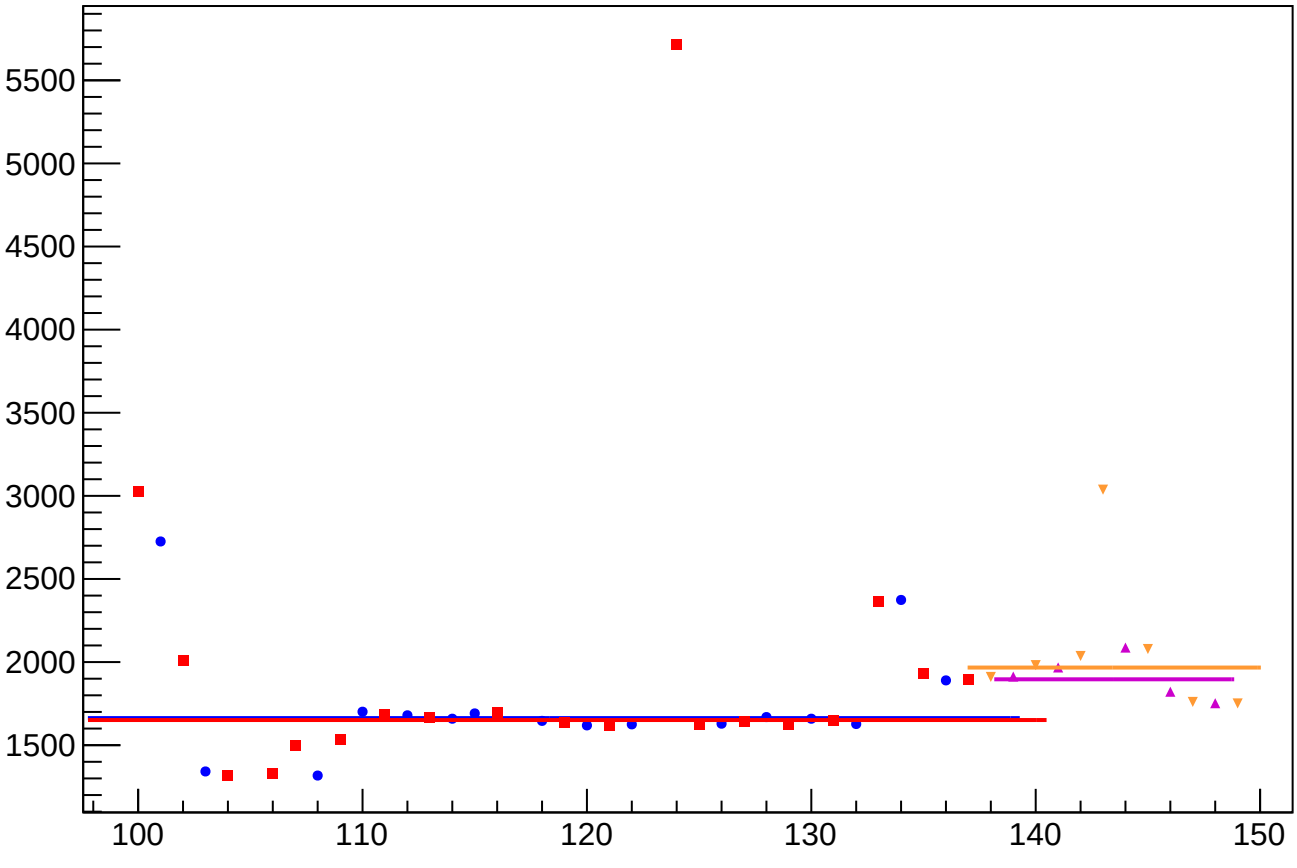
Left: 1499.803+/-624.725 χ^2/NDF: 19.0/11

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3151.170+/-516.583 χ^2/NDF:6.6/20

Out: 1367.427+/-503.822 χ^2/NDF:28.4/25

All: 2236.994+/-360.683 χ^2/NDF: 41.1/46



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1967.040+/-0.608 χ^2/NDF:258096.5/6

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: 1933.598+/-0.442 χ^2/NDF: 296350.5/11

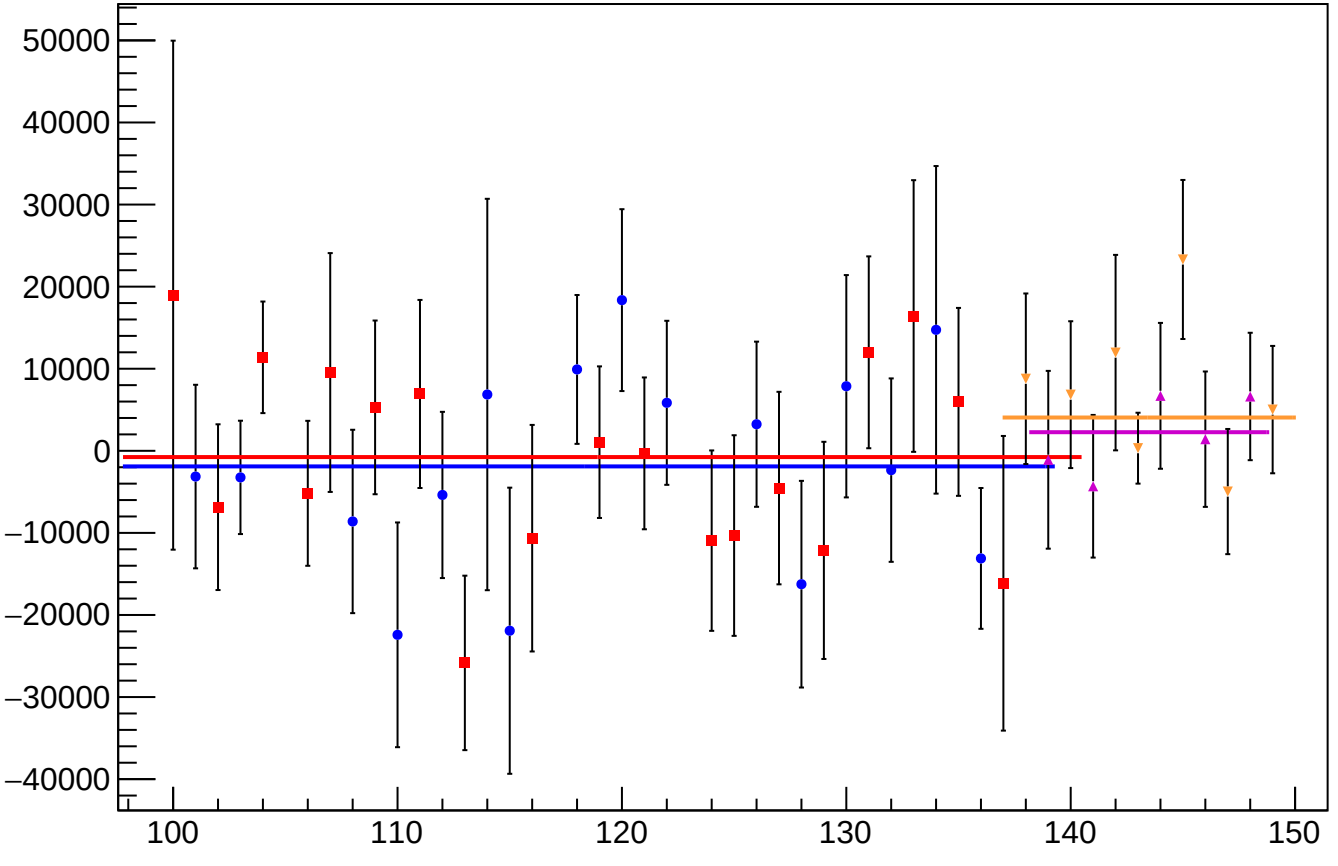
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1738.374+/-0.365 χ^2/NDF:536836.1/20

Out: 1759.561+/-0.356 χ^2/NDF:867006.0/25

All: 1749.232+/-0.255 χ^2/NDF: 1405566.2/46

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 4056.393+/-2807.176 χ^2/NDF:6.9/6

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2267.409+/-3900.186 χ^2/NDF:1.2/4

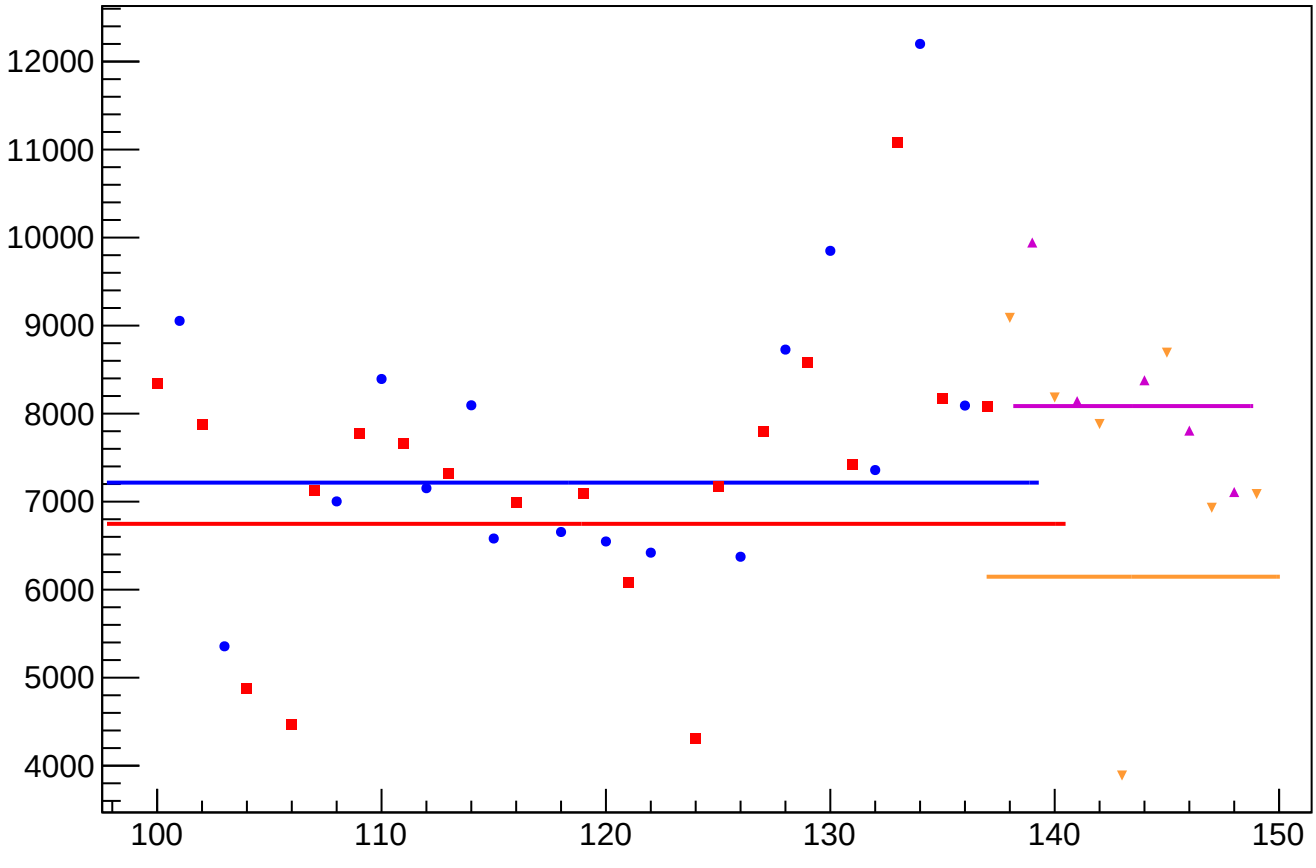
Left: 3445.887+/-2278.385 χ^2/NDF: 8.2/11

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -522.978+/-2242.002 χ^2/NDF:16.4/20

Out: 1416.083+/-1887.486 χ^2/NDF:25.8/25

All: 611.803+/-1443.923 χ^2/NDF: 42.6/46



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6147.104+/-1.985 χ^2/NDF:1041957.7/6

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: 6808.687+/-1.611 χ^2/NDF: 1462558.1/11

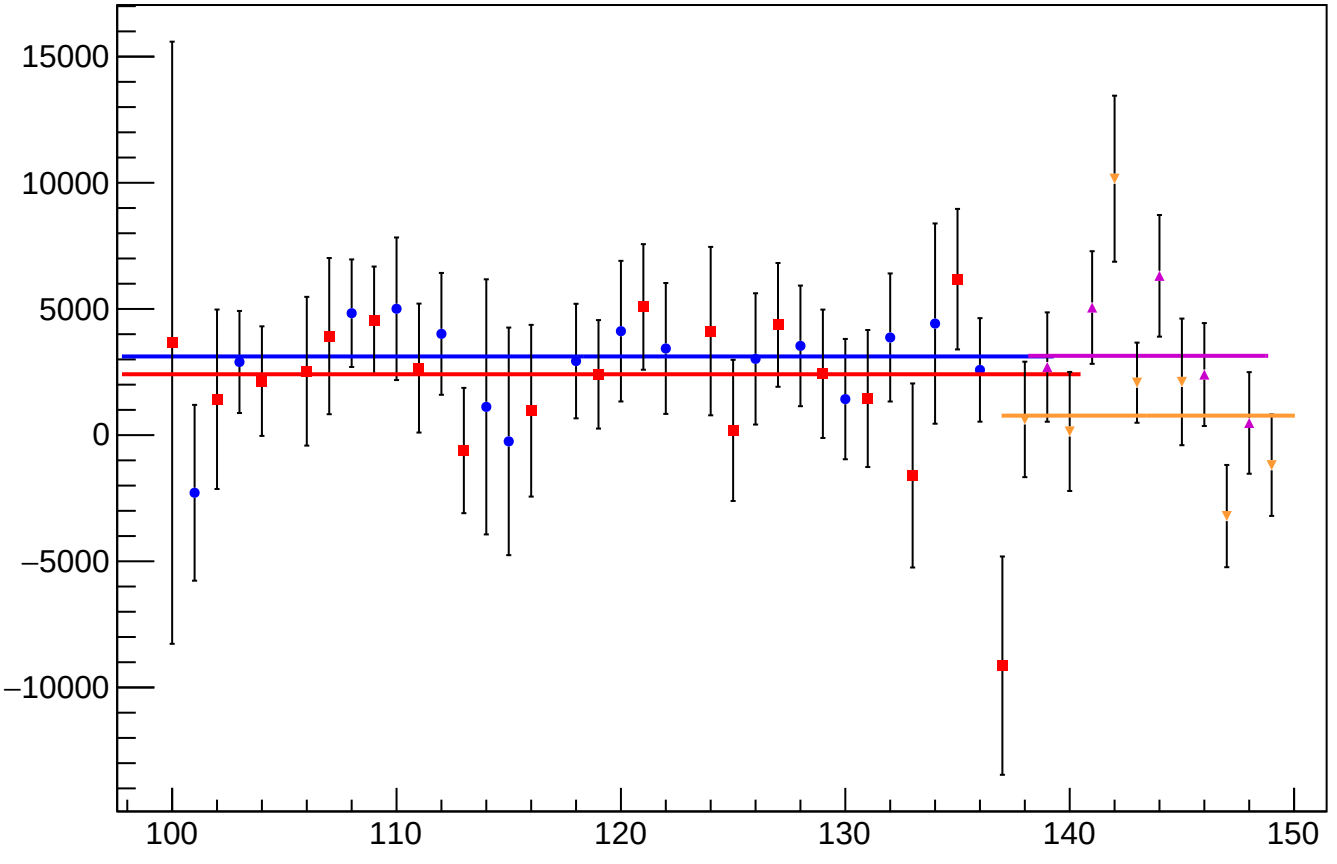
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7503.429+/-1.585 χ^2/NDF:673798.7/20

Out: 6476.194+/-1.335 χ^2/NDF:1800917.7/25

All: 6902.269+/-1.021 χ^2/NDF: 2720423.6/46

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 772.432+/-813.865 χ^2/NDF:14.0/6

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3142.719+/-965.352 χ^2/NDF:4.4/4

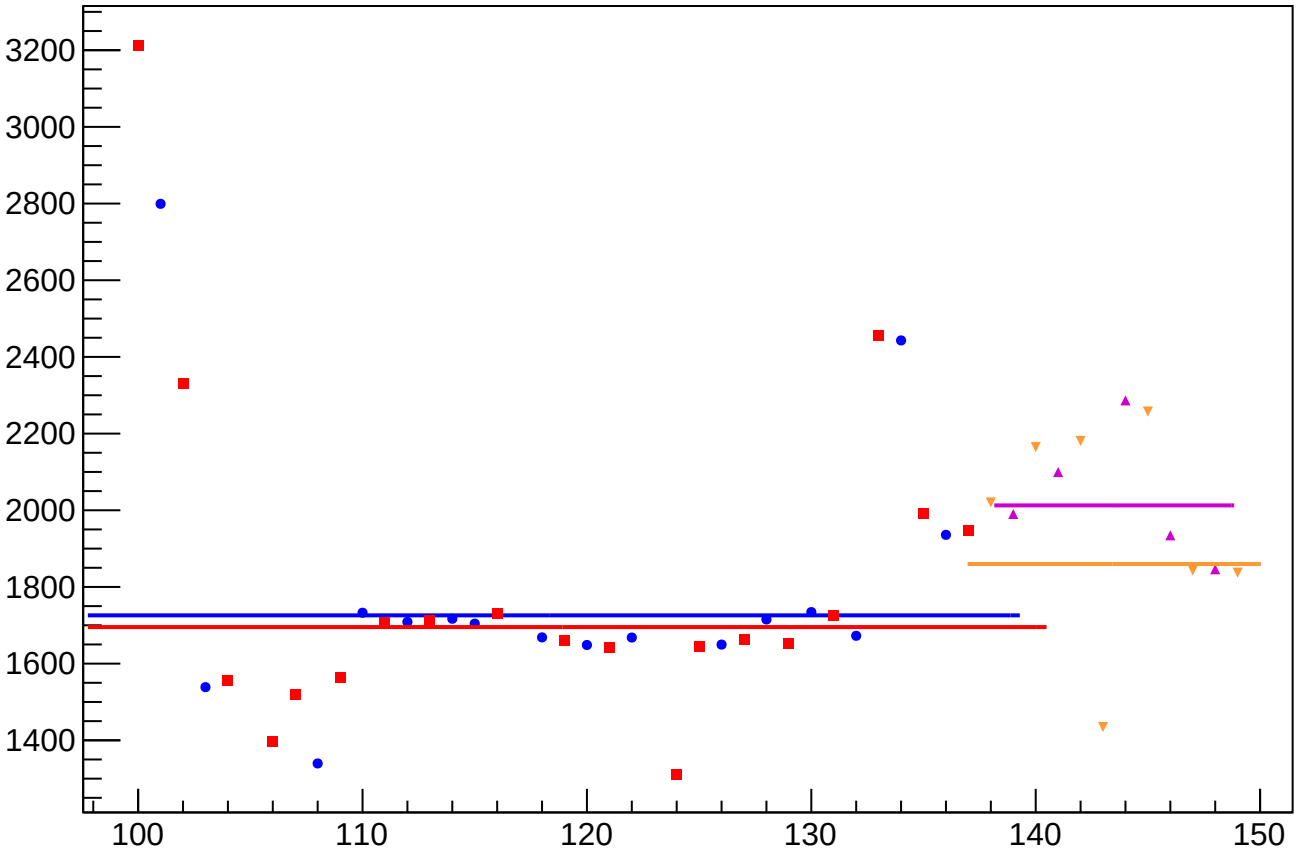
Left: 1757.215+/-622.237 χ^2/NDF: 21.9/11

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3125.646+/-539.807 χ^2/NDF:9.7/20

Out: 1787.005+/-502.606 χ^2/NDF:32.5/25

All: 2408.613+/-367.845 χ^2/NDF: 45.5/46



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1859.802+/-0.575 χ^2/NDF:256379.9/6

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 2012.717+/-0.683 χ^2/NDF:45698.3/4

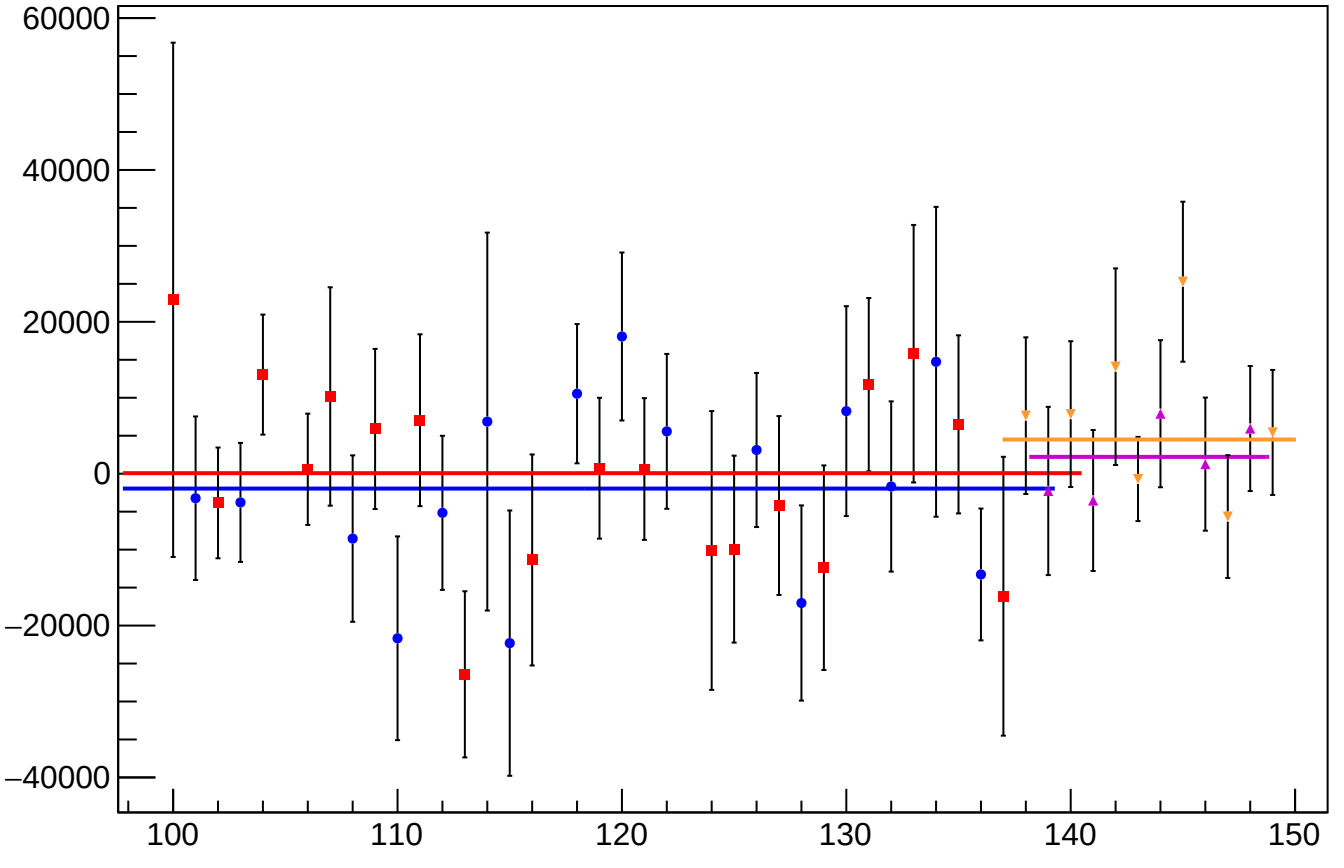
Left: 1923.333+/-0.440 χ^2/NDF: 331411.8/11

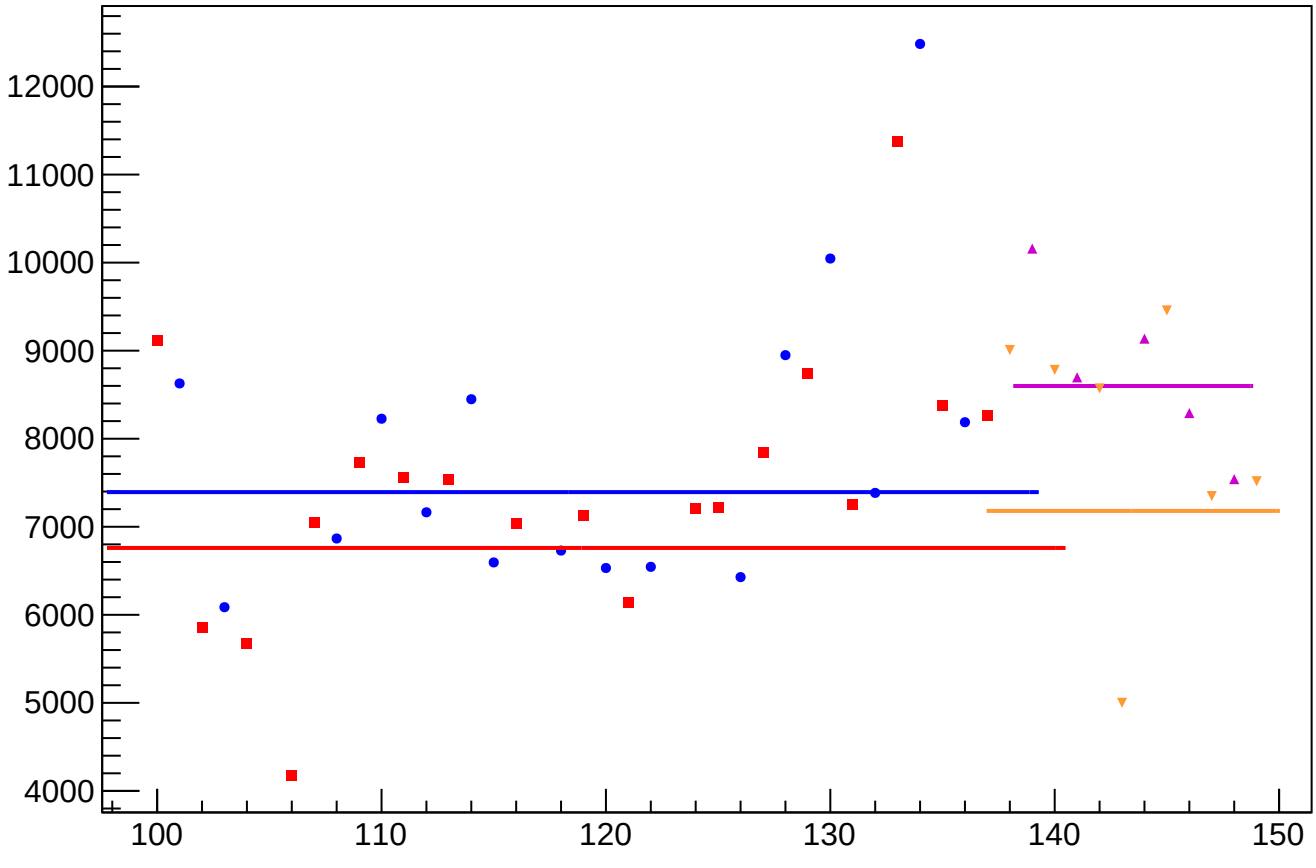
Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1815.590+/-0.382 χ^2/NDF:532673.8/20

Out: 1758.062+/-0.355 χ^2/NDF:592509.7/25

All: 1784.769+/-0.260 χ^2/NDF: 1137353.4/46


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: 4498.051+/-3197.321 χ²/NDF:7.1/6
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 2214.884+/-4145.524 χ²/NDF:1.1/4
Left: 3646.464+/-2531.776 χ²/NDF: 8.4/11
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: -652.179+/-2319.354 χ²/NDF:16.2/20
Out: 1773.474+/-1983.774 χ²/NDF:24.4/25
All: 748.669+/-1507.555 χ²/NDF: 41.2/46



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7180.073+/-2.261 χ^2/NDF:548398.3/6

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8598.716+/-2.931 χ^2/NDF:81534.1/4

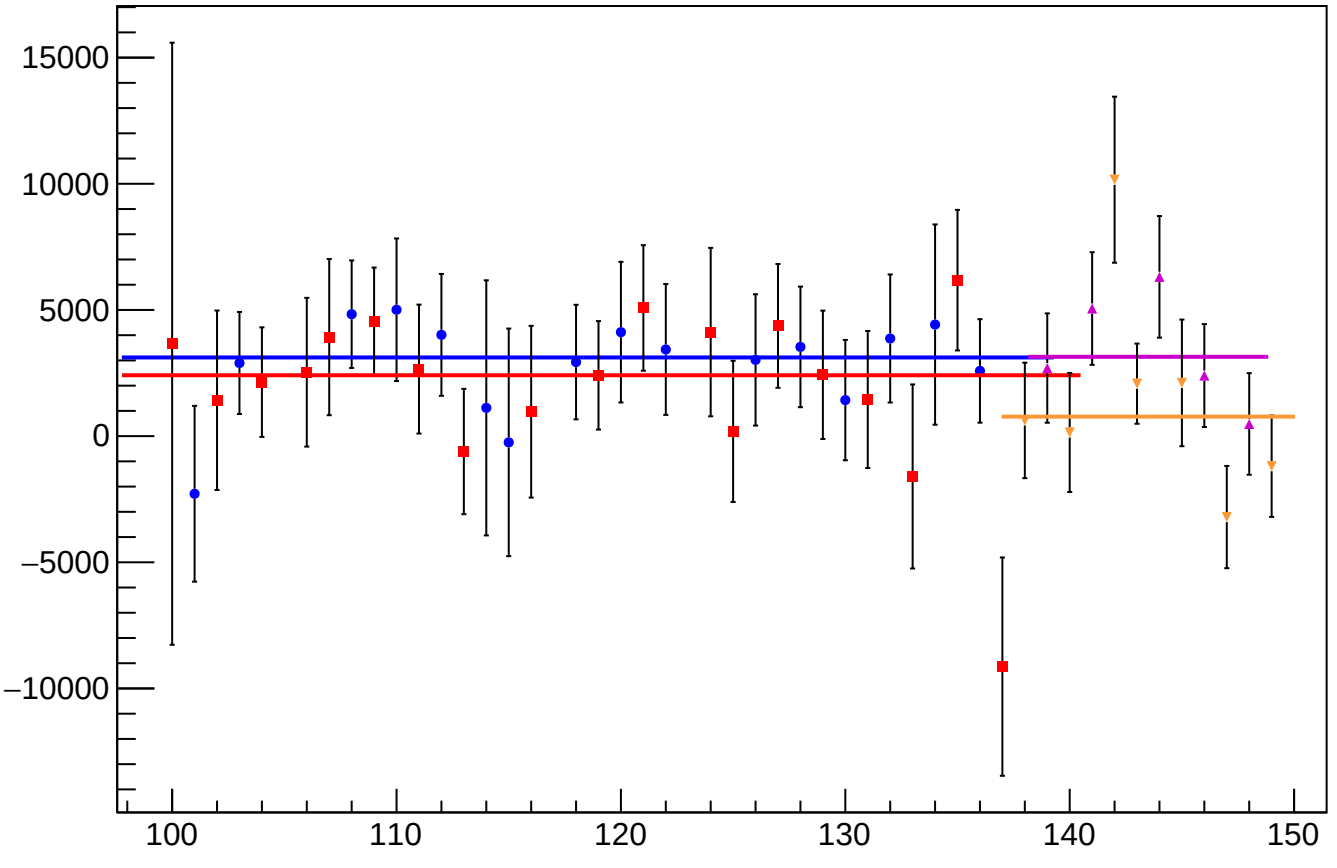
Left: 7709.206+/-1.790 χ^2/NDF: 776789.7/11

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7770.844+/-1.640 χ^2/NDF:599467.2/20

Out: 6921.358+/-1.403 χ^2/NDF:1213980.2/25

All: 7280.254+/-1.066 χ^2/NDF: 1968389.8/46



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 772.435+/-813.866 χ^2/NDF:14.0/6

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3142.712+/-965.354 χ^2/NDF:4.4/4

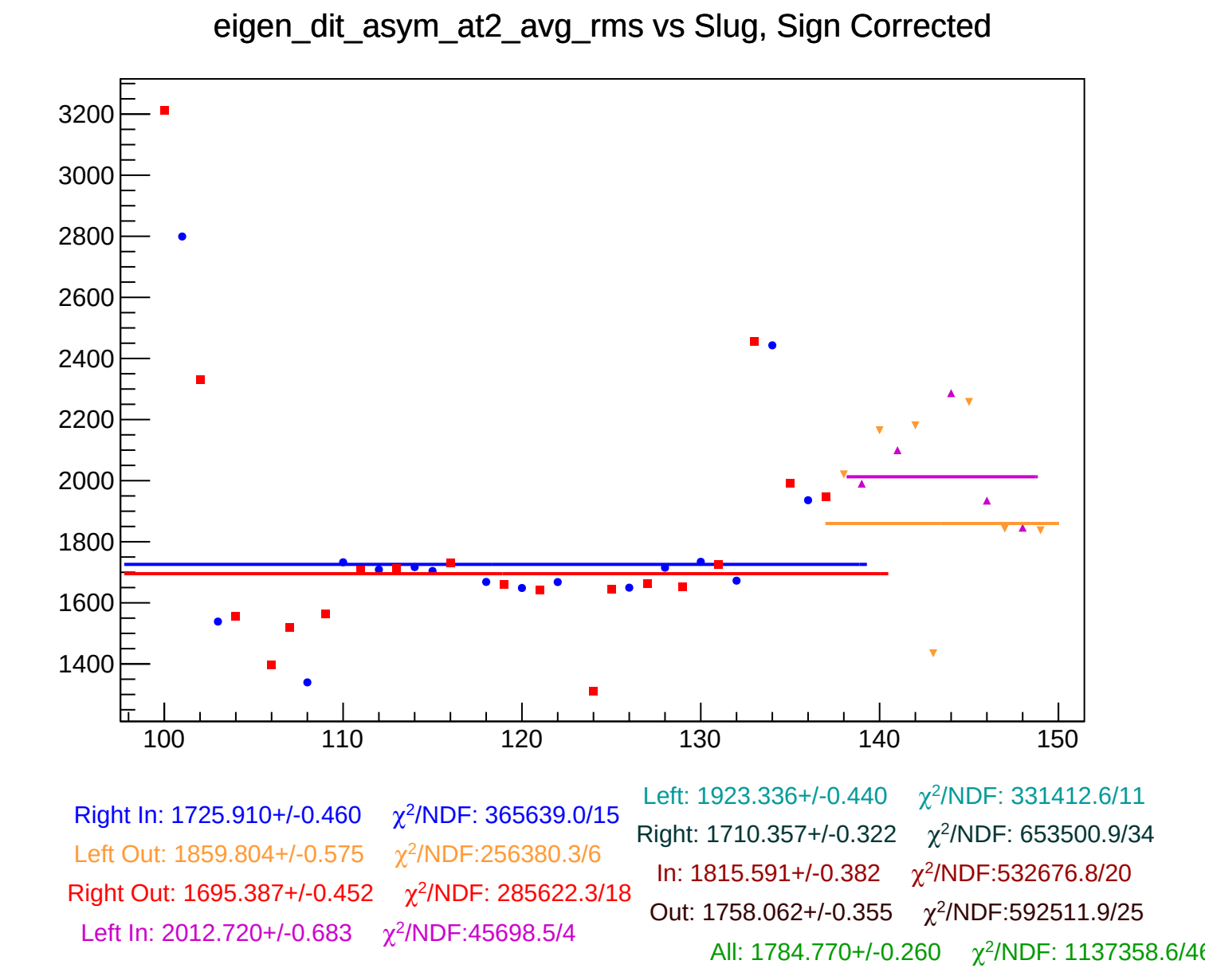
Left: 1757.213+/-622.238 χ^2/NDF: 21.9/11

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

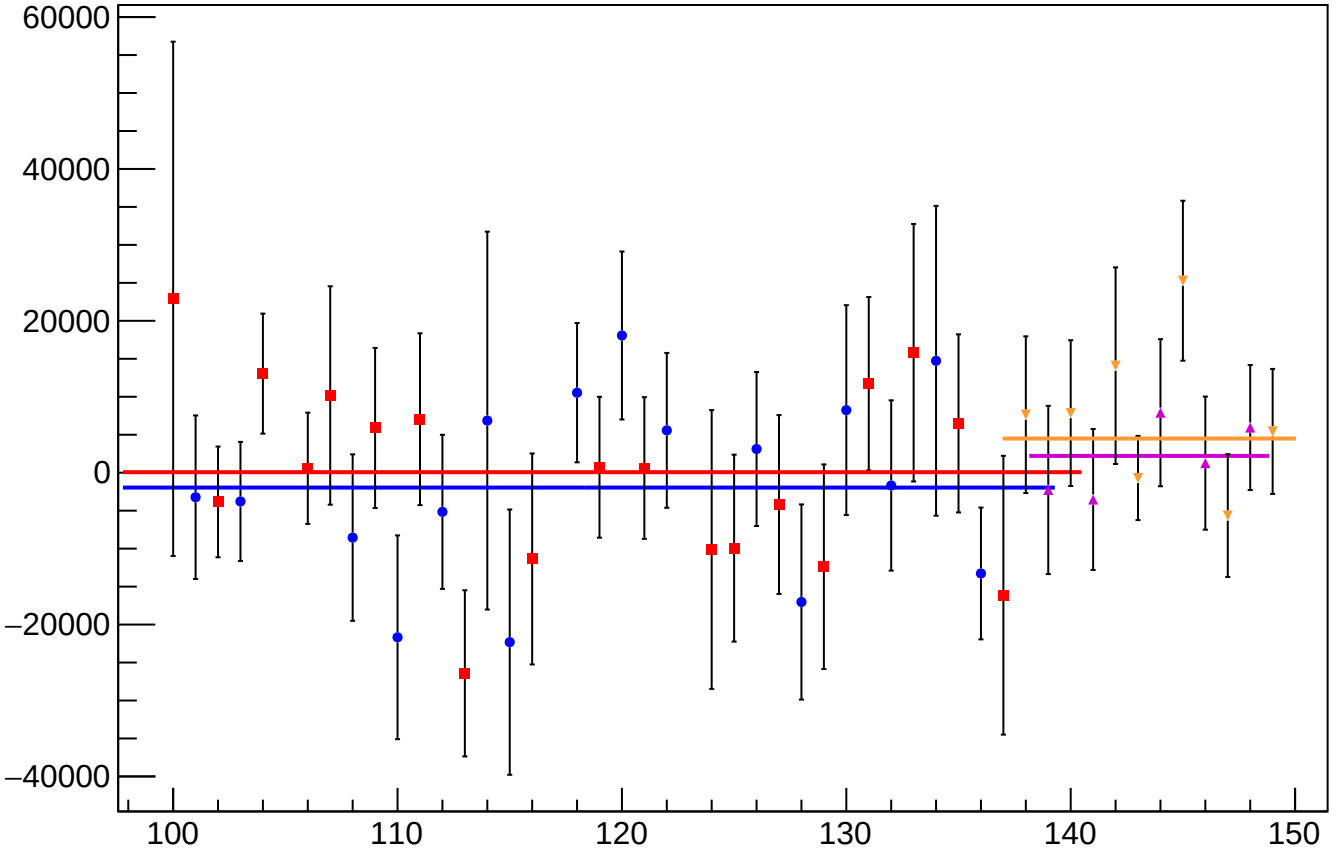
In: 3125.645+/-539.807 χ^2/NDF:9.7/20

Out: 1787.012+/-502.606 χ^2/NDF:32.5/25

All: 2408.617+/-367.845 χ^2/NDF: 45.5/46


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: 1859.804+/-0.575 χ²/NDF:256380.3/6
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 2012.720+/-0.683 χ²/NDF:45698.5/4
Left: 1923.336+/-0.440 χ²/NDF: 331412.6/11
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1815.591+/-0.382 χ²/NDF:532676.8/20
Out: 1758.062+/-0.355 χ²/NDF:592511.9/25
All: 1784.770+/-0.260 χ²/NDF: 1137358.6/46

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 4498.051+/-3197.326 χ^2/NDF:7.1/6

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2214.877+/-4145.530 χ^2/NDF:1.1/4

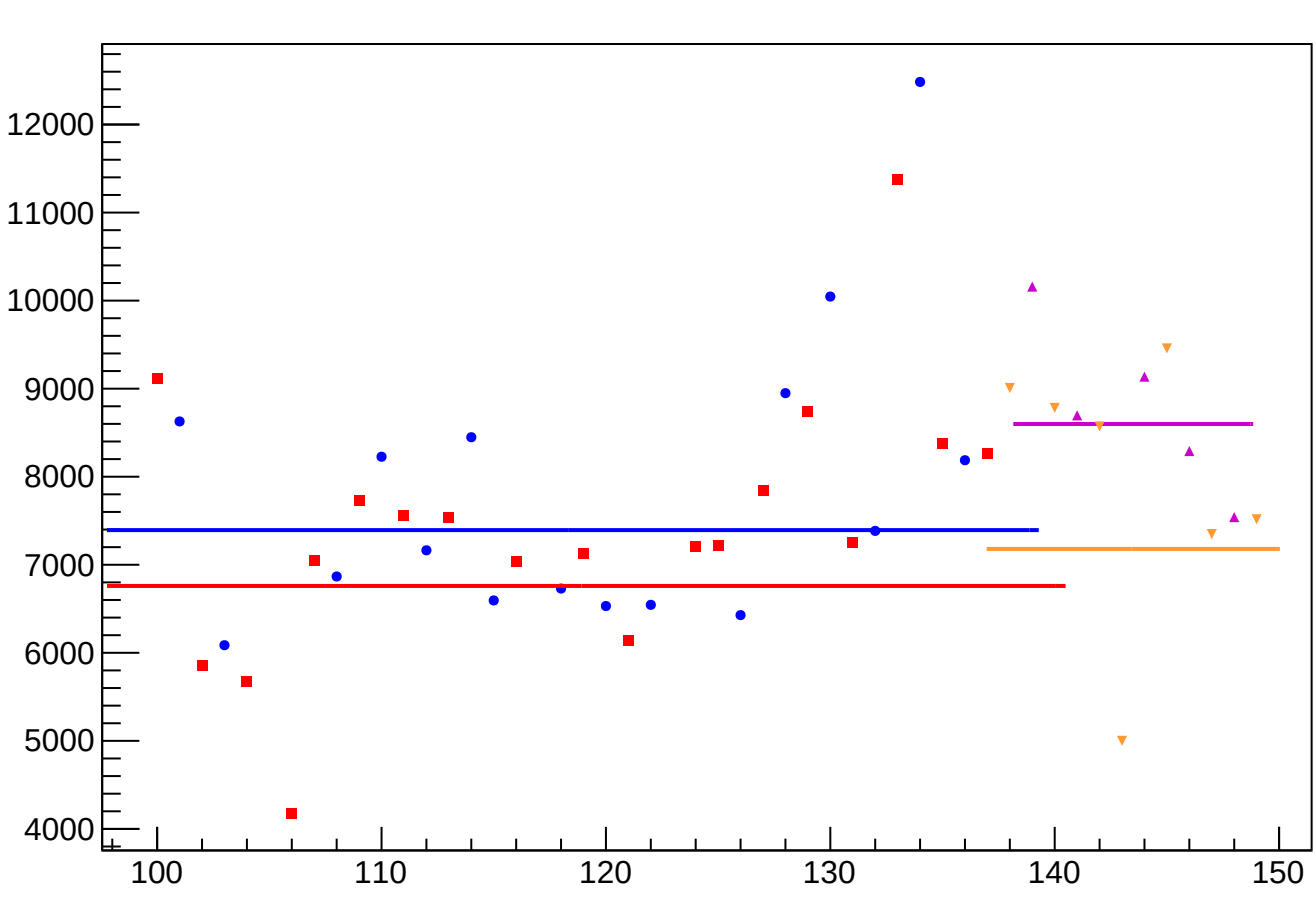
Left: 3646.461+/-2531.779 χ^2/NDF: 8.4/11

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -652.173+/-2319.351 χ^2/NDF:16.2/20

Out: 1773.470+/-1983.772 χ^2/NDF:24.4/25

All: 748.668+/-1507.554 χ^2/NDF: 41.2/46



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7180.084+/-2.261 χ^2/NDF:548398.4/6

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: 7709.218+/-1.790 χ^2/NDF: 776790.4/11

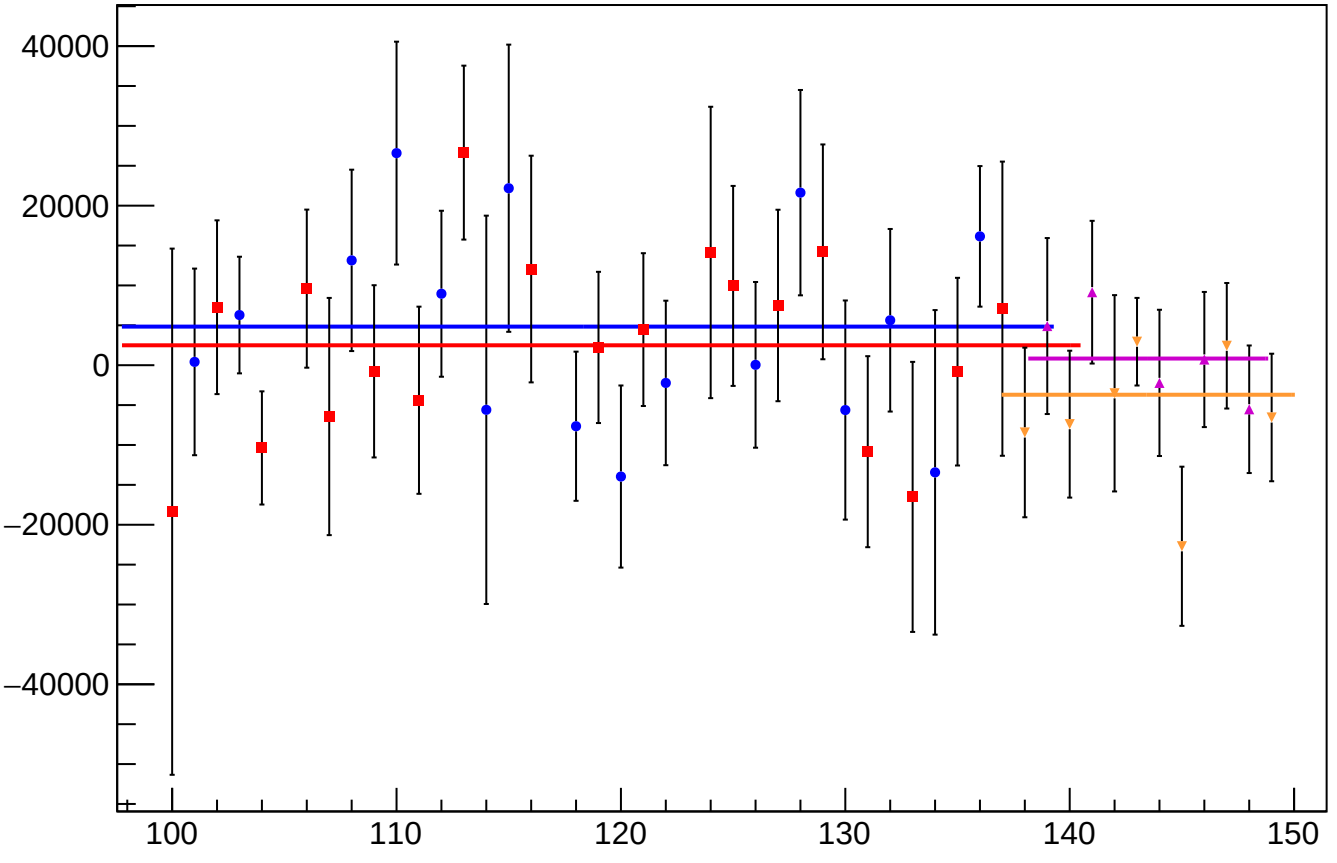
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7770.833+/-1.640 χ^2/NDF:599475.9/20

Out: 6921.353+/-1.403 χ^2/NDF:1213981.7/25

All: 7280.247+/-1.066 χ^2/NDF: 1968398.6/46

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -3702.649+/-3127.012 χ^2/NDF:6.2/6

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: -1987.043+/-2465.843 χ^2/NDF: 8.7/11

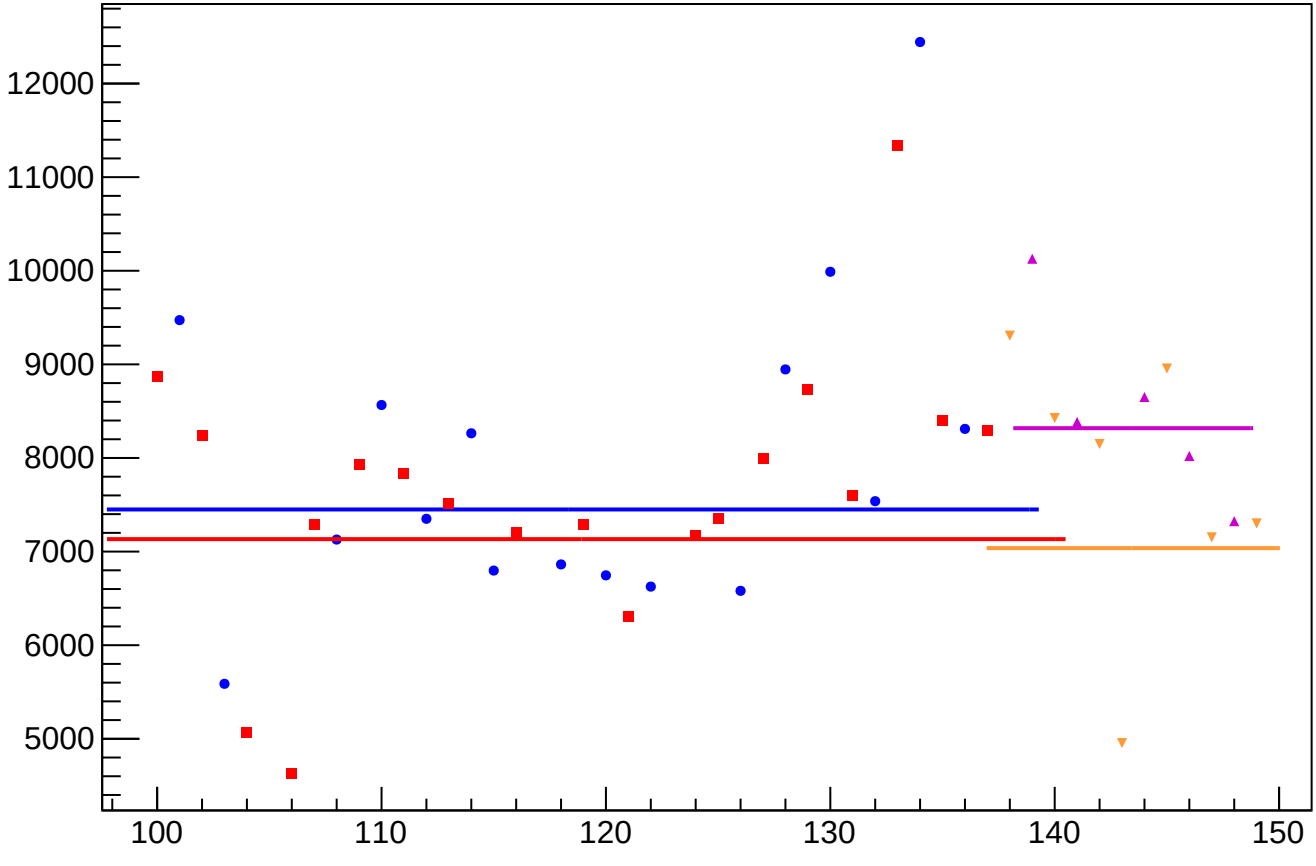
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3507.238+/-2311.549 χ^2/NDF:16.7/20

Out: -146.570+/-2041.676 χ^2/NDF:23.4/25

All: 1454.688+/-1530.245 χ^2/NDF: 41.5/46

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7037.078+/-2.211 χ^2/NDF:517515.0/6

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8318.307+/-2.835 χ^2/NDF:89964.0/4

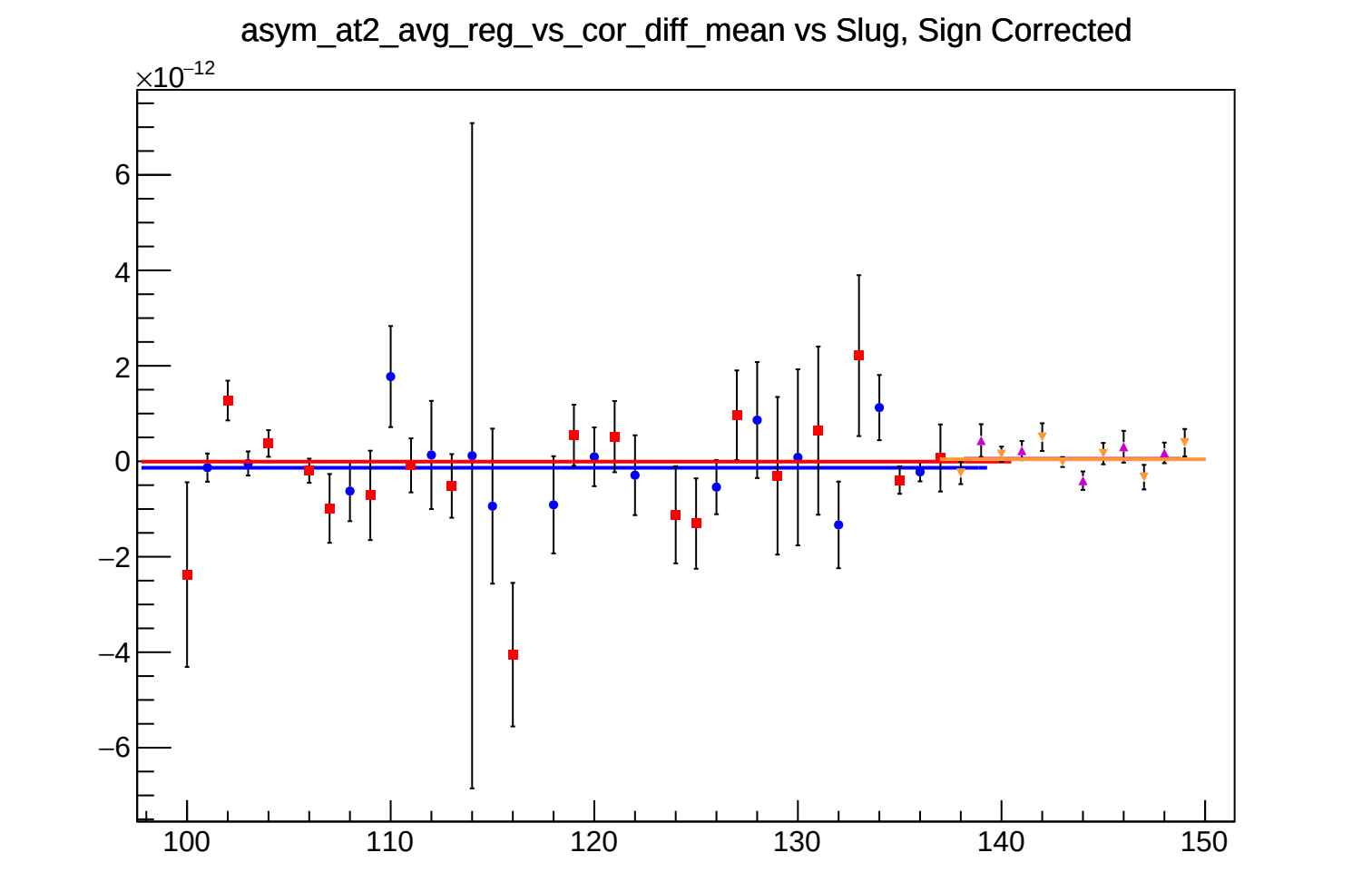
Left: 7521.600+/-1.744 χ^2/NDF: 734452.0/11

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7738.547+/-1.635 χ^2/NDF:639012.1/20

Out: 7092.178+/-1.444 χ^2/NDF:1075590.2/25

All: 7375.434+/-1.082 χ^2/NDF: 1802454.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/4

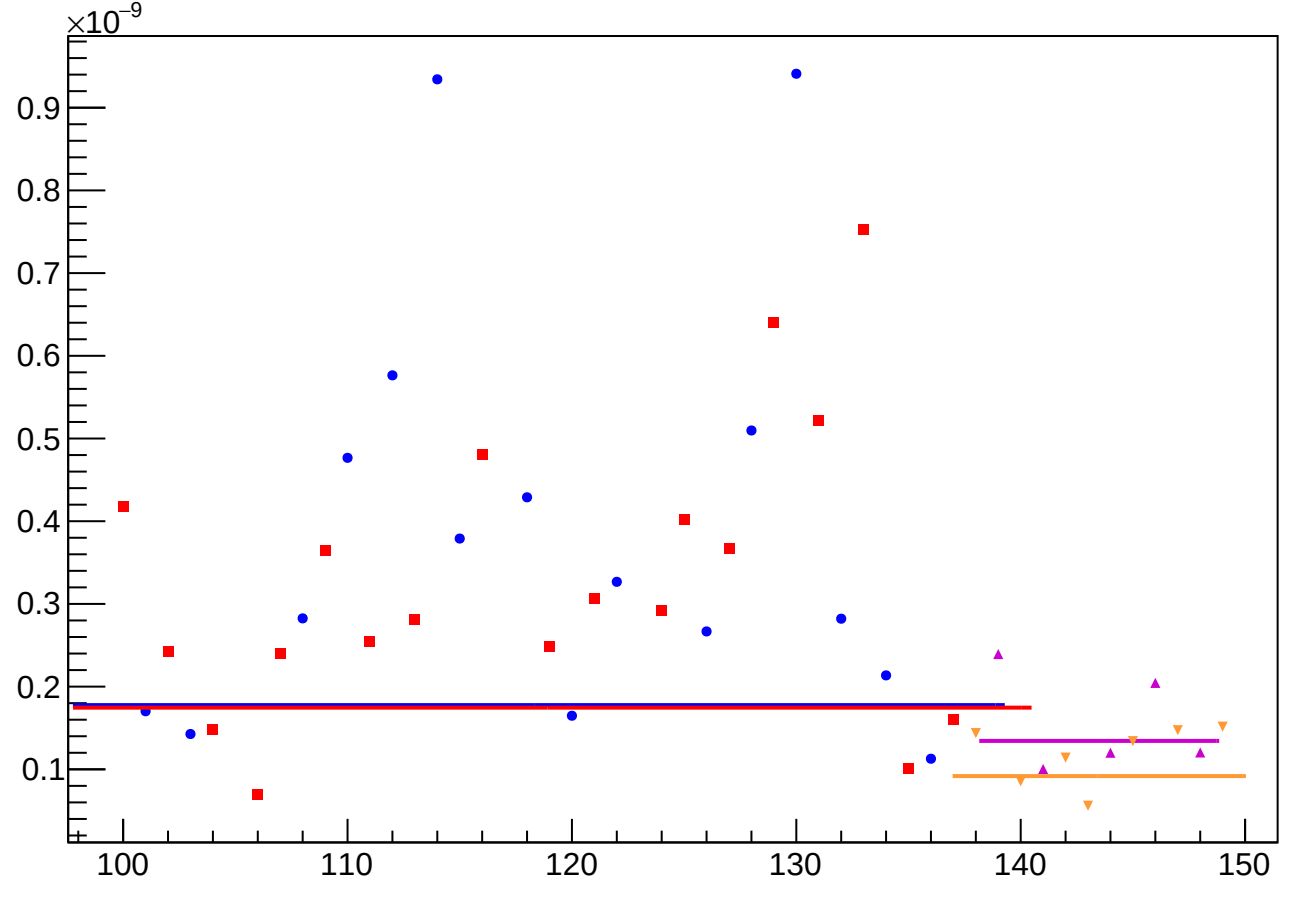
Left: 0.000+/-0.000 χ^2/NDF: 17.1/11

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:21.5/20

Out: 0.000+/-0.000 χ^2/NDF:41.5/25

All: 0.000+/-0.000 χ^2/NDF: 63.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:603658.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:352648.7/4

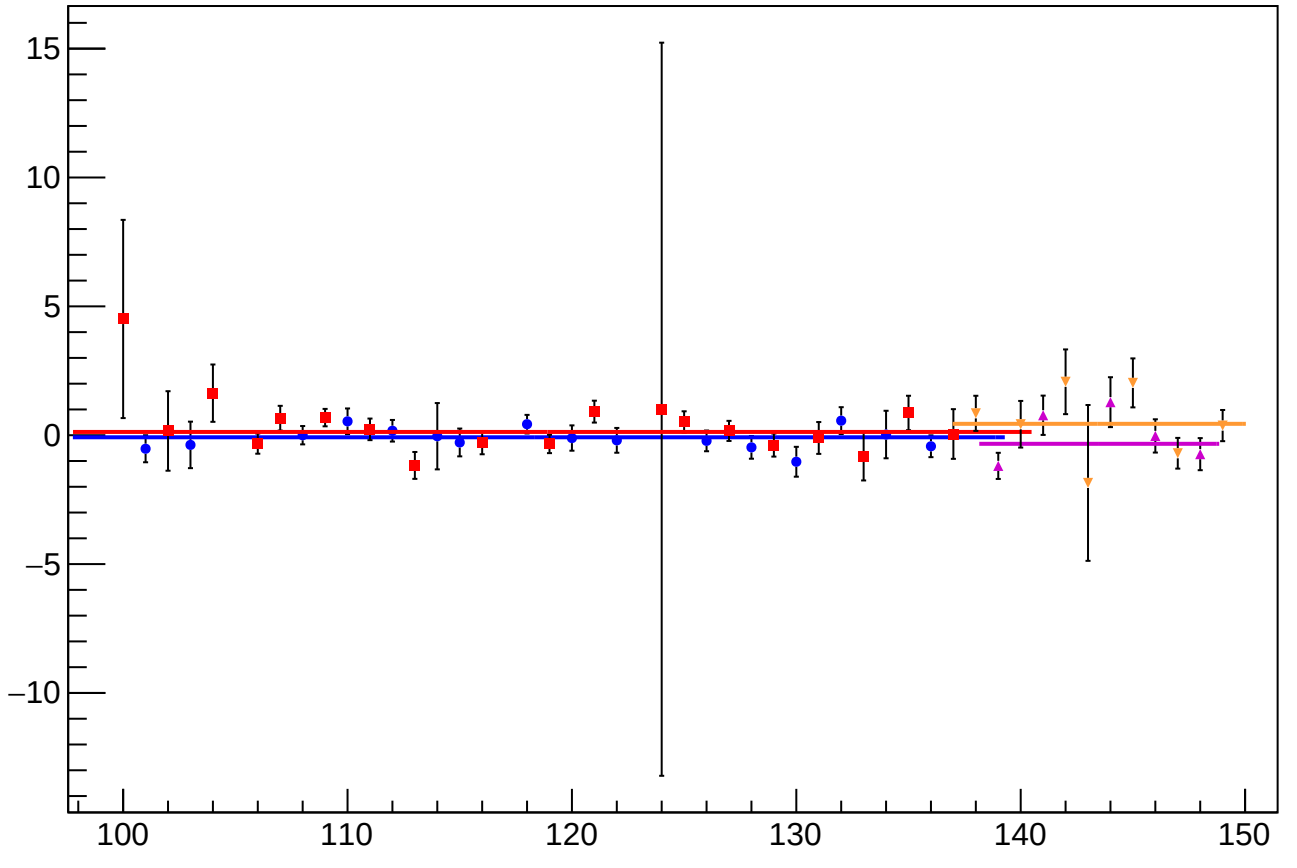
Left: 0.000+/-0.000 χ^2/NDF: 1185344.8/11

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:2933857.8/25

All: 0.000+/-0.000 χ^2/NDF: 5314379.1/46



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.442+/-0.305 χ^2/NDF:9.1/6

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.333+/-0.293 χ^2/NDF:8.4/4

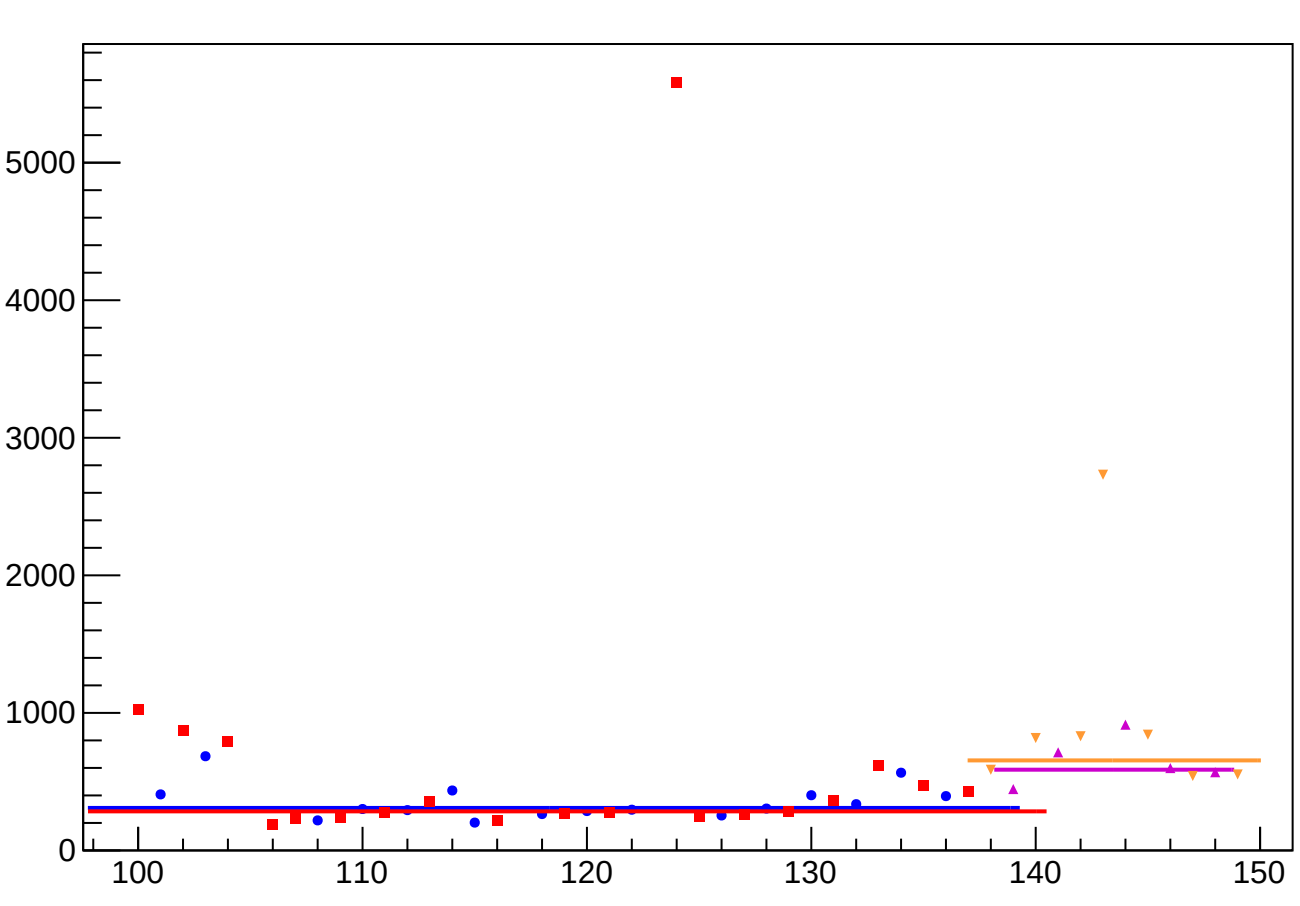
Left: 0.039+/-0.211 χ^2/NDF: 20.9/11

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.168+/-0.109 χ^2/NDF:35.3/25

All: 0.030+/-0.078 χ^2/NDF: 58.4/46



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 654.639+/-0.215 χ^2/NDF:1274131.6/6

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: 619.559+/-0.149 χ^2/NDF: 1764885.1/11

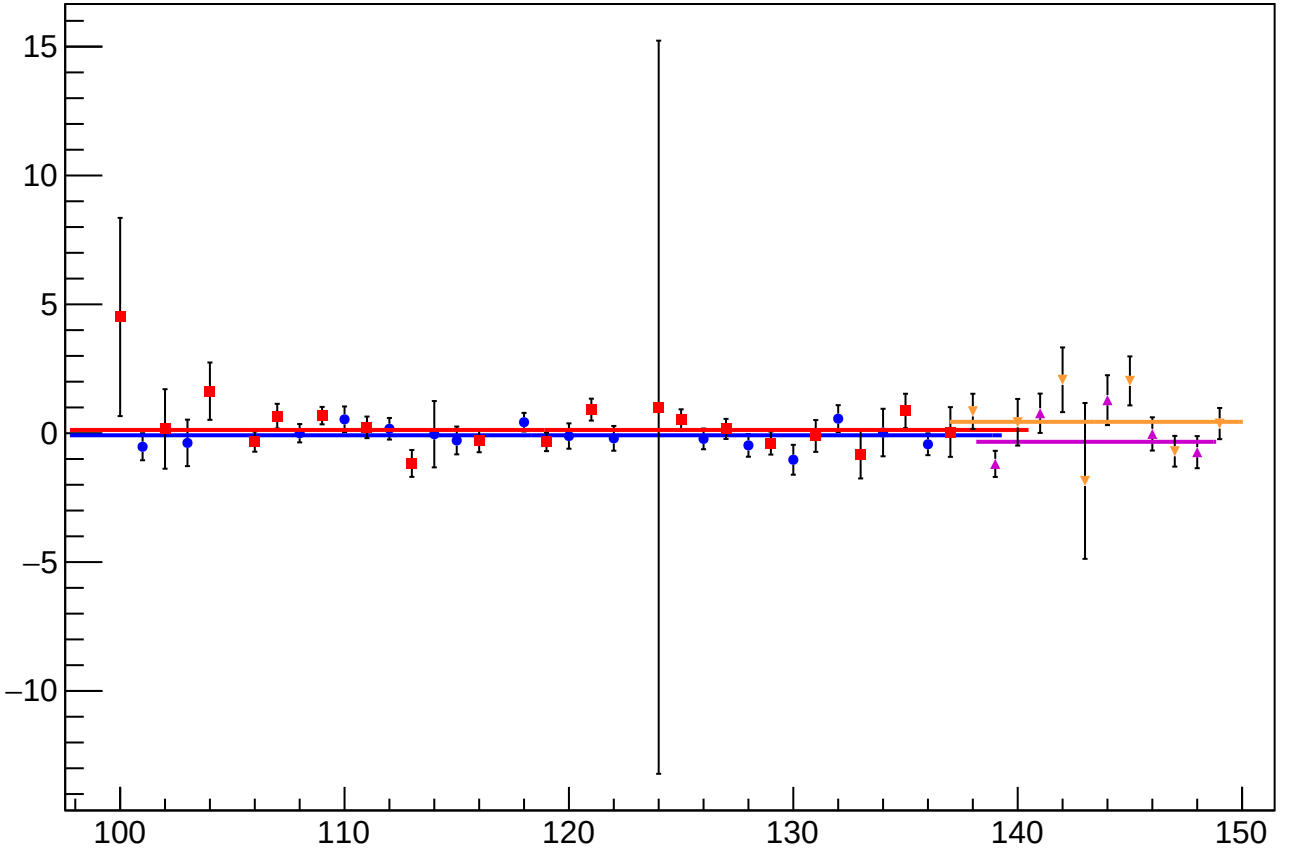
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 350.124+/-0.080 χ^2/NDF:2990689.6/20

Out: 331.732+/-0.077 χ^2/NDF:5707769.2/25

All: 340.649+/-0.055 χ^2/NDF: 8725987.5/46

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.442+/-0.305 χ^2/NDF:9.1/6

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.333+/-0.293 χ^2/NDF:8.4/4

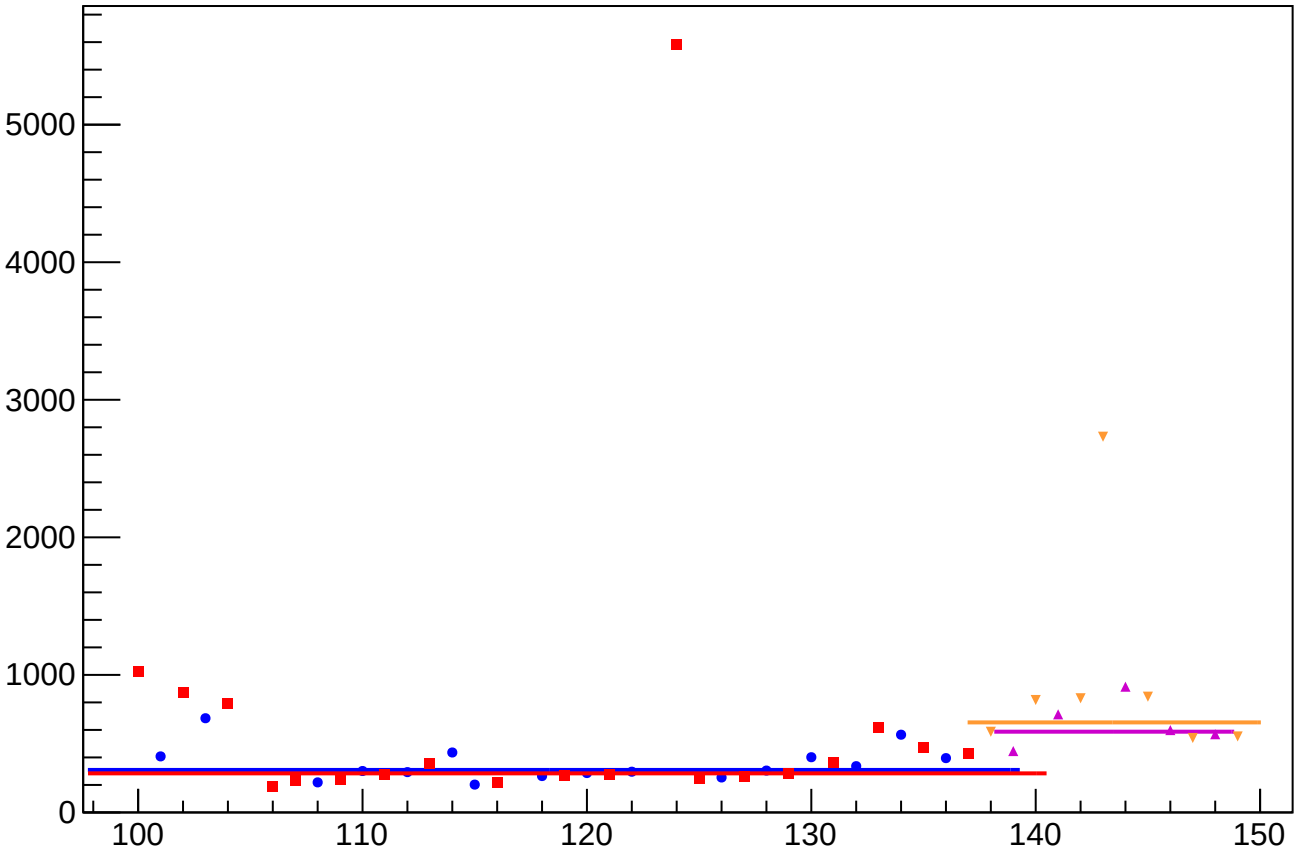
Left: 0.039+/-0.211 χ^2/NDF: 20.9/11

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.168+/-0.109 χ^2/NDF:35.3/25

All: 0.030+/-0.078 χ^2/NDF: 58.4/46



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 654.639+/-0.215 χ^2/NDF:1274131.6/6

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 587.140+/-0.207 χ^2/NDF:439738.7/4

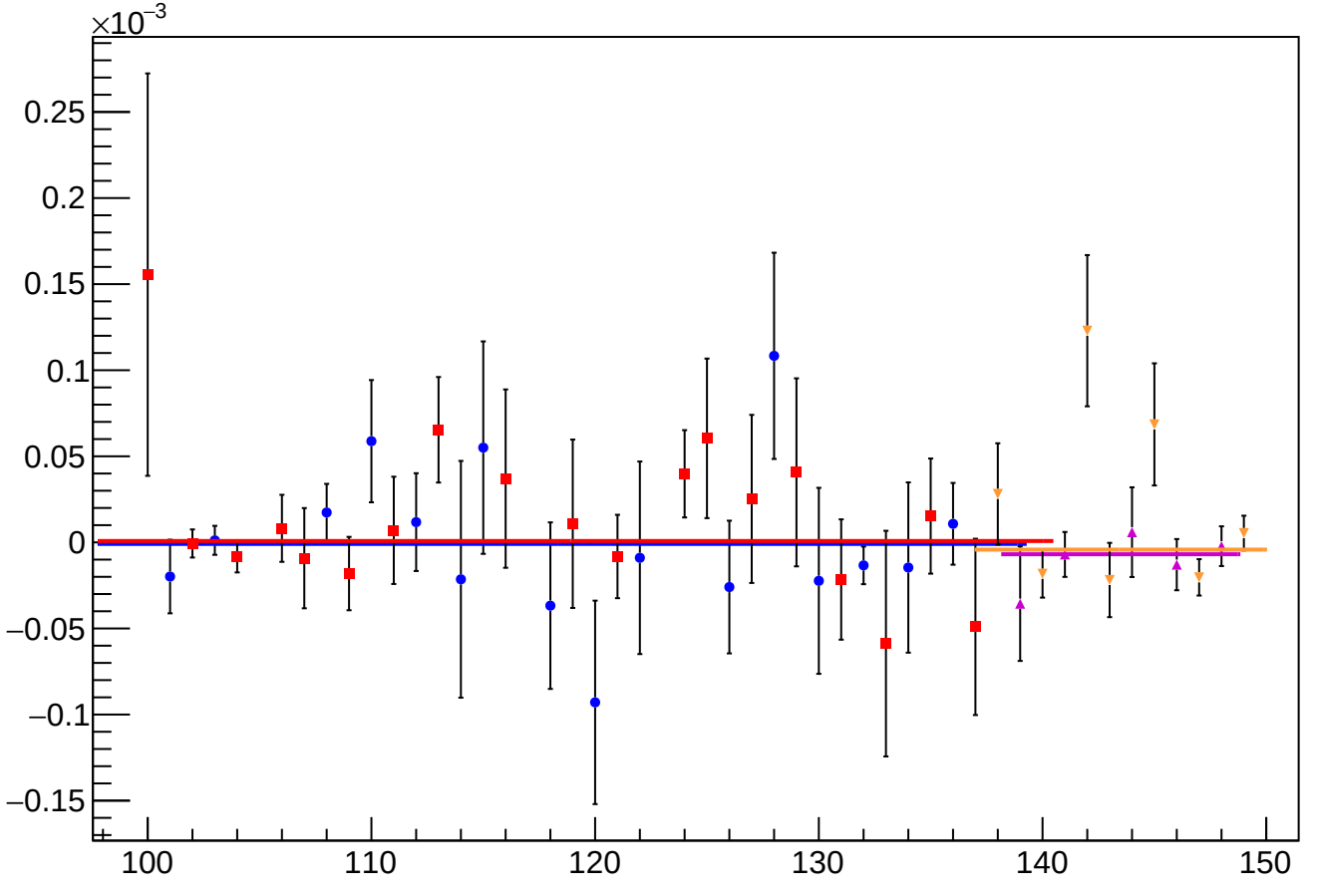
Left: 619.559+/-0.149 χ^2/NDF: 1764885.1/11

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 350.124+/-0.080 χ^2/NDF:2990689.6/20

Out: 331.732+/-0.077 χ^2/NDF:5707769.2/25

All: 340.649+/-0.055 χ^2/NDF: 8725987.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

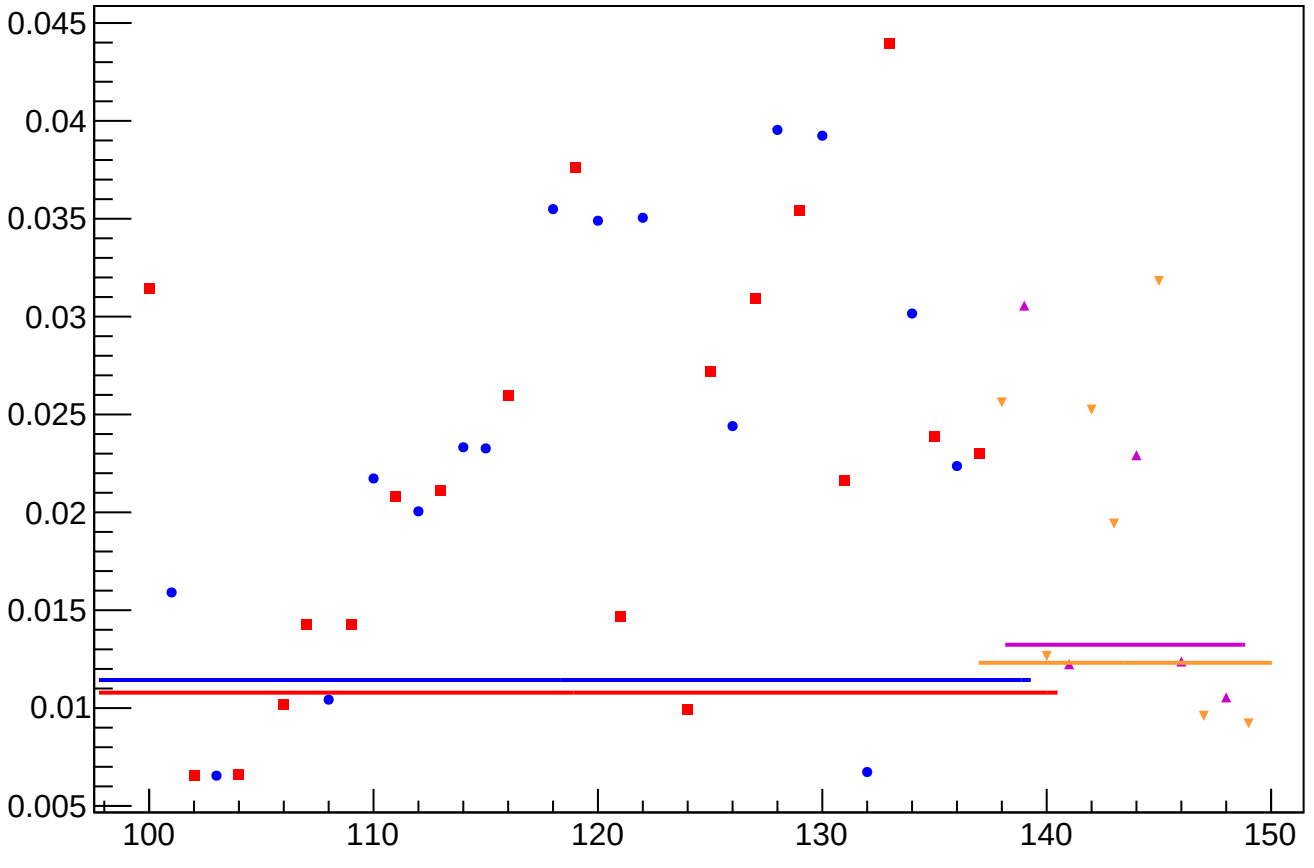
Left: -0.000+/-0.000 χ^2/NDF: 20.1/11

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:35.3/25

All: -0.000+/-0.000 χ^2/NDF: 51.7/46



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:1725750.0/6

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: 0.013+/-0.000 χ^2/NDF: 2692053.4/11

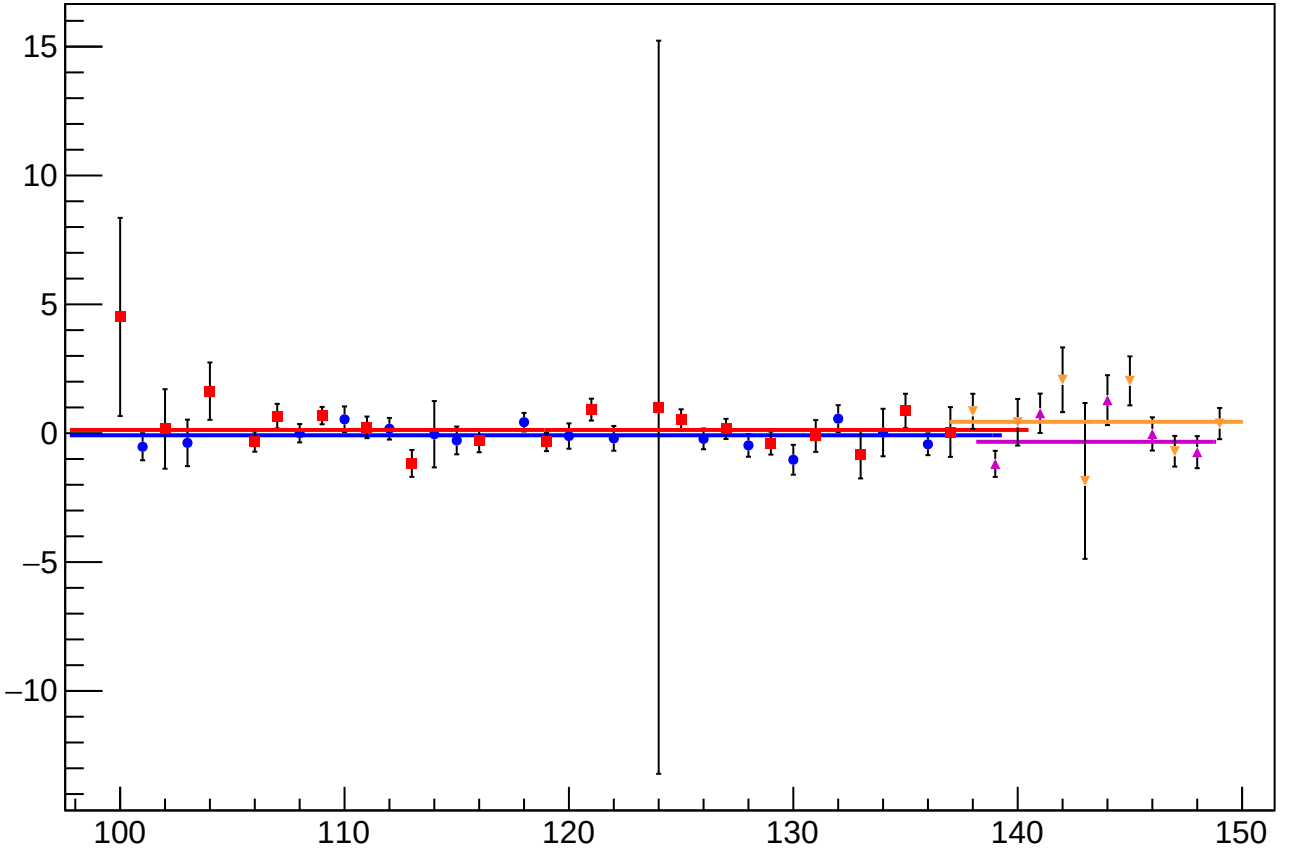
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5729791.7/20

Out: 0.011+/-0.000 χ^2/NDF:6279271.9/25

All: 0.012+/-0.000 χ^2/NDF: 12038792.8/46

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.442+/-0.305 χ^2/NDF:9.1/6

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: 0.039+/-0.211 χ^2/NDF: 20.9/11

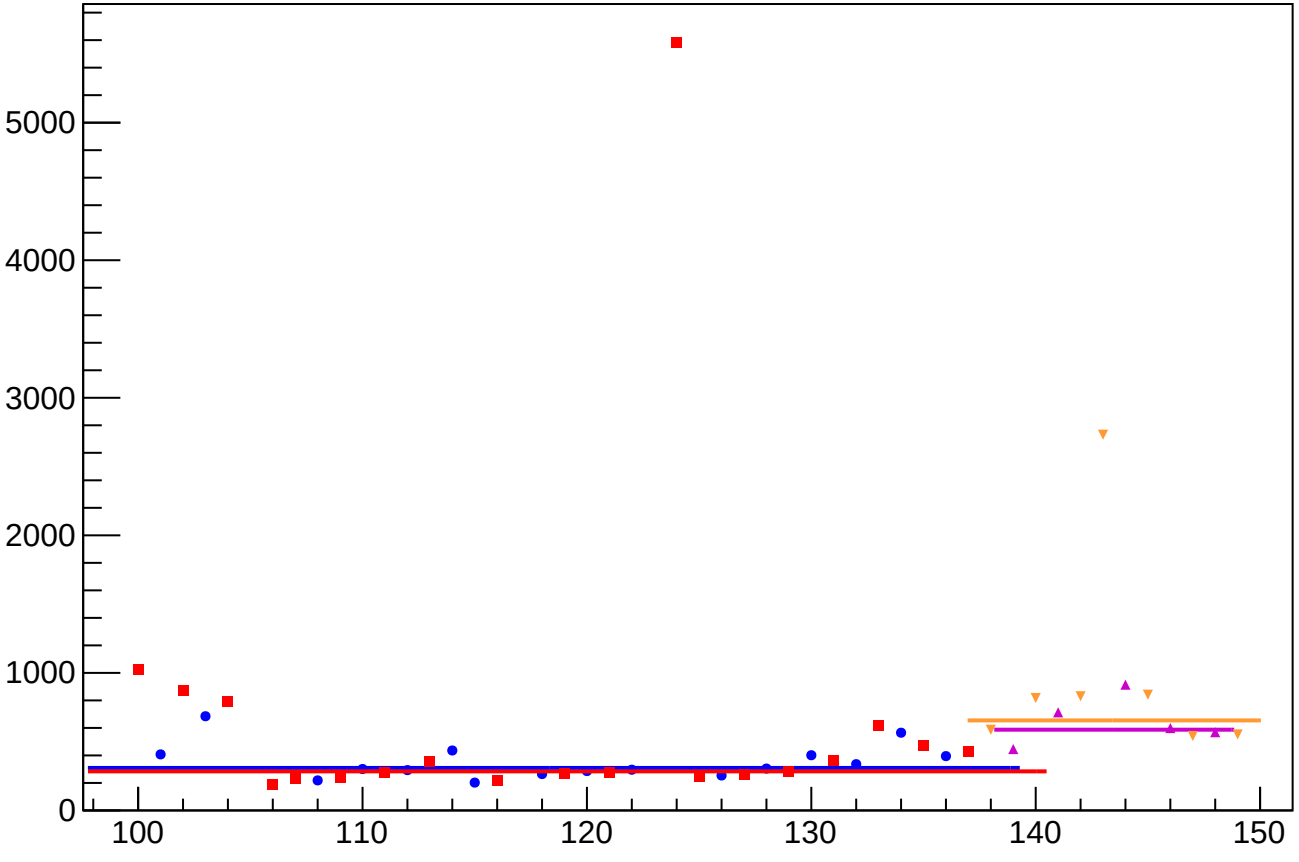
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.168+/-0.109 χ^2/NDF:35.3/25

All: 0.030+/-0.078 χ^2/NDF: 58.4/46

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: 654.646+/-0.215 χ^2/NDF:1274130.7/6

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: 619.568+/-0.149 χ^2/NDF: 1764863.5/11

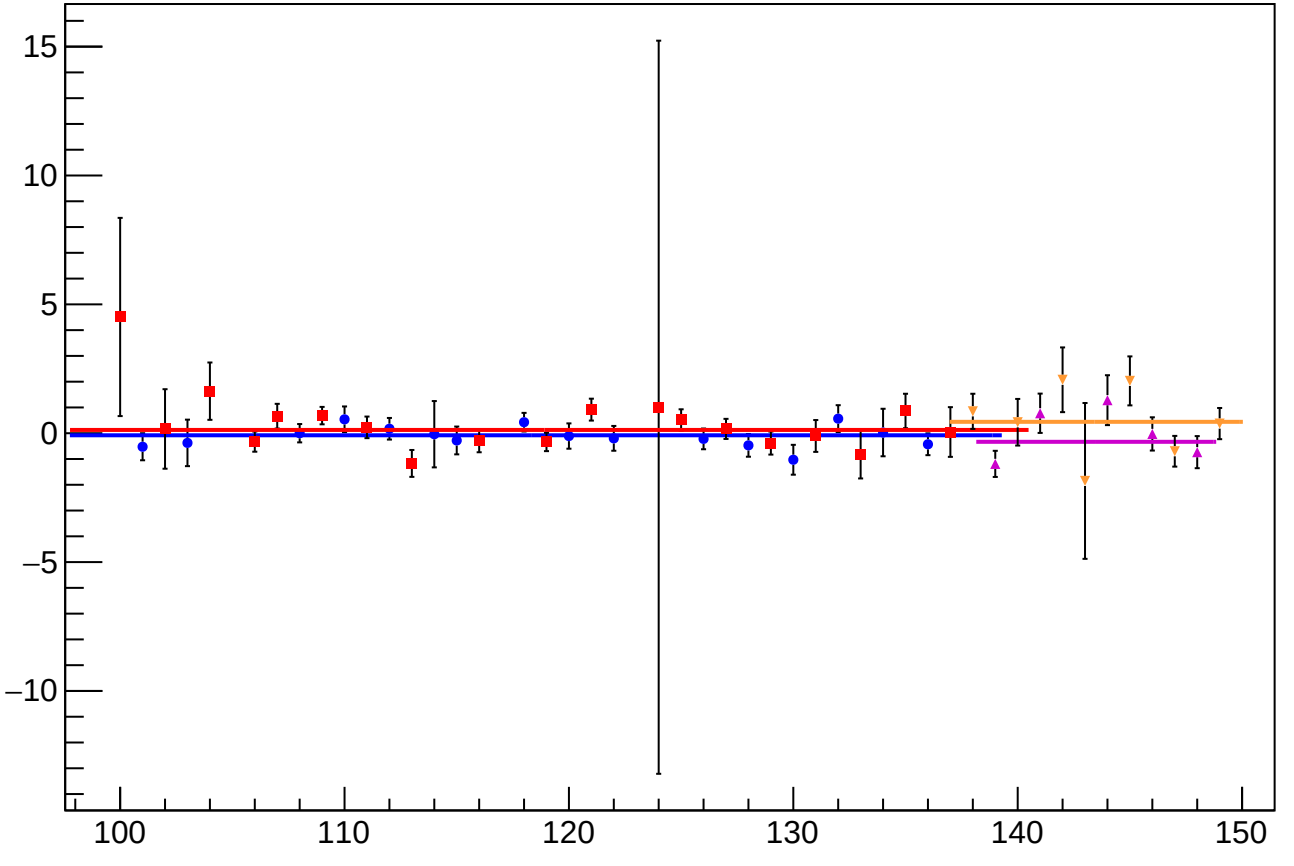
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 350.123+/-0.080 χ^2/NDF:2990713.1/20

Out: 331.732+/-0.077 χ^2/NDF:5707811.6/25

All: 340.648+/-0.055 χ^2/NDF: 8726054.0/46

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: 0.442+/-0.305 χ^2/NDF:9.1/6

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: 0.039+/-0.211 χ^2/NDF: 20.9/11

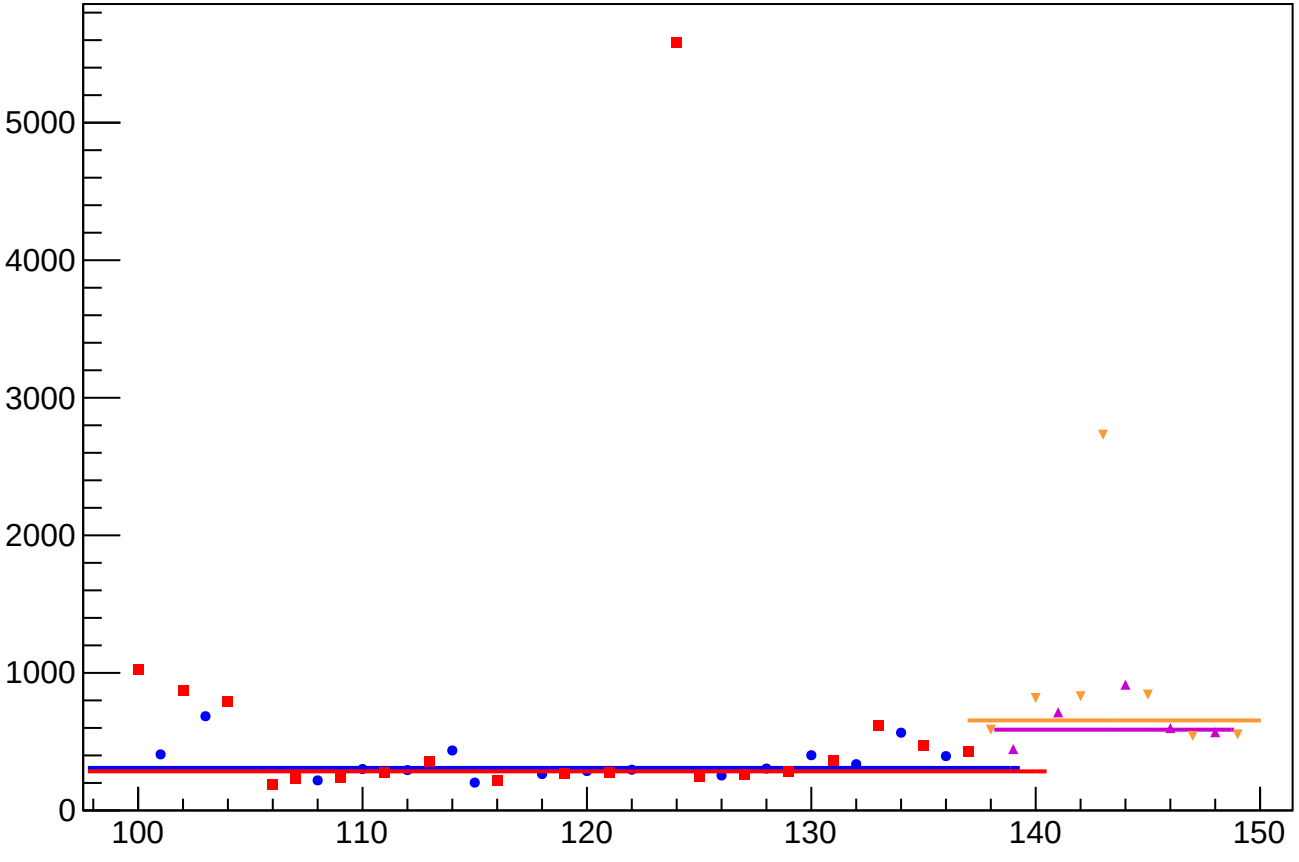
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.113 χ^2/NDF:19.8/20

Out: 0.168+/-0.109 χ^2/NDF:35.3/25

All: 0.030+/-0.078 χ^2/NDF: 58.4/46

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: 654.646+/-0.215 χ^2/NDF:1274130.7/6

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 587.149+/-0.207 χ^2/NDF:439722.5/4

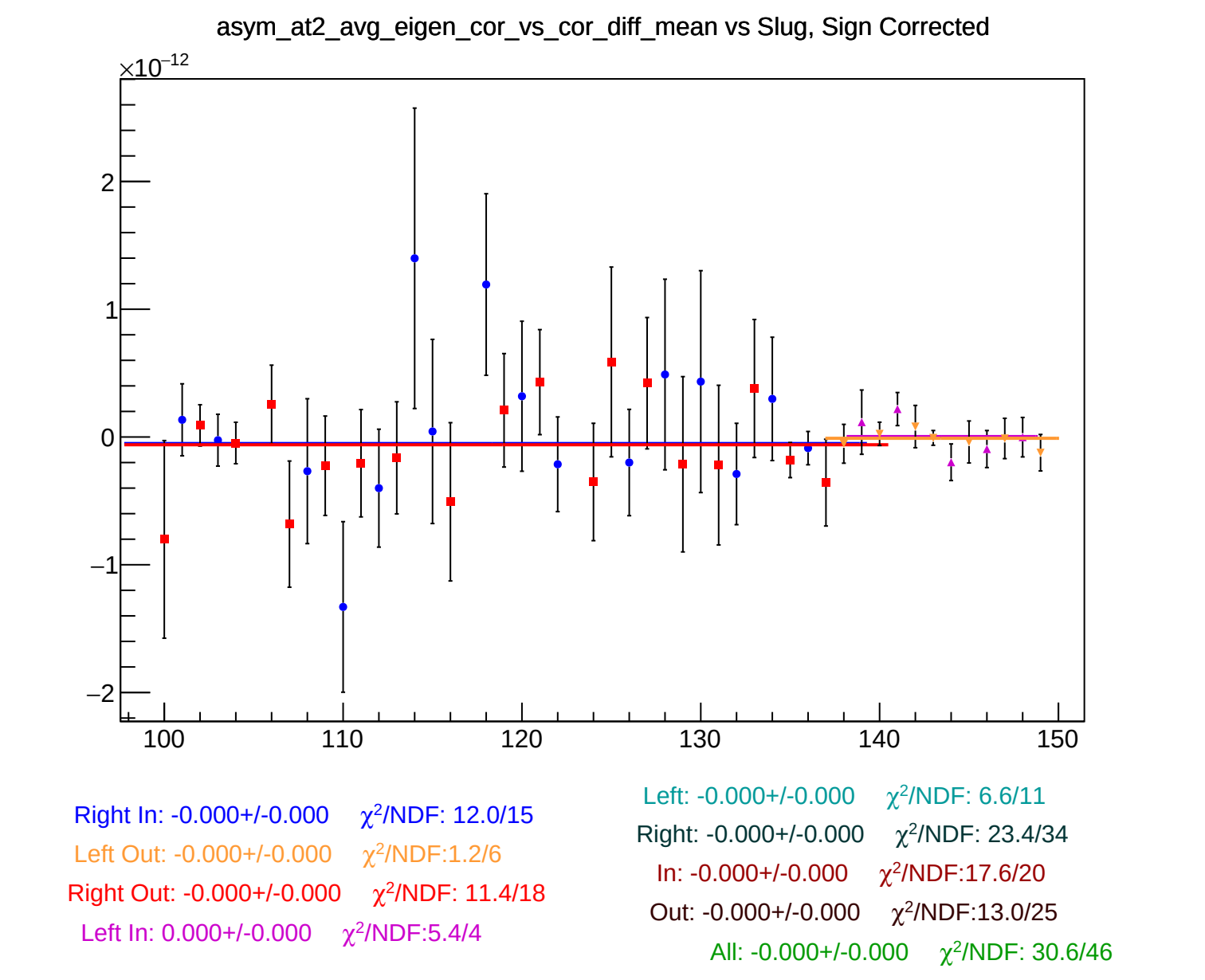
Left: 619.568+/-0.149 χ^2/NDF: 1764863.5/11

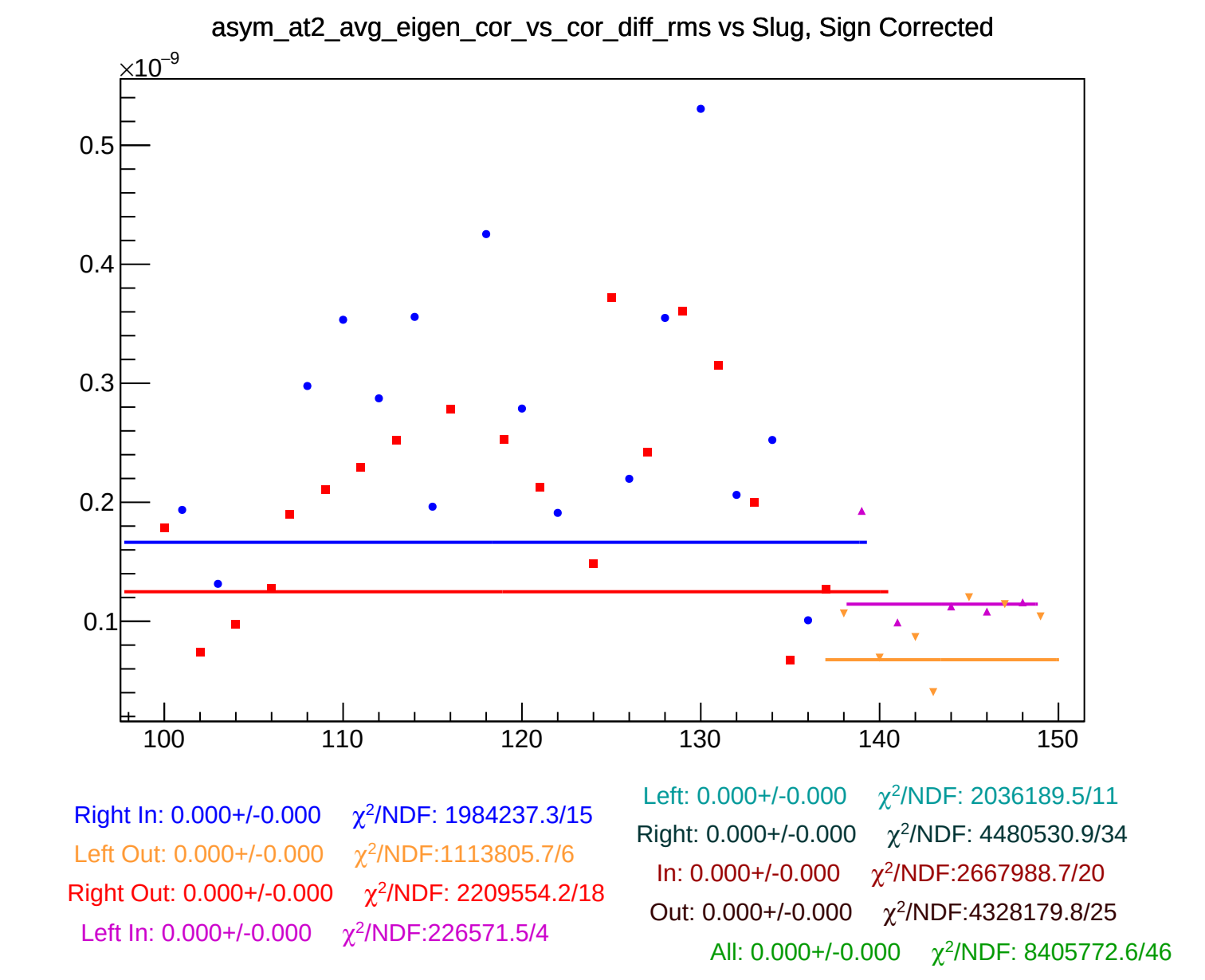
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 350.123+/-0.080 χ^2/NDF:2990713.1/20

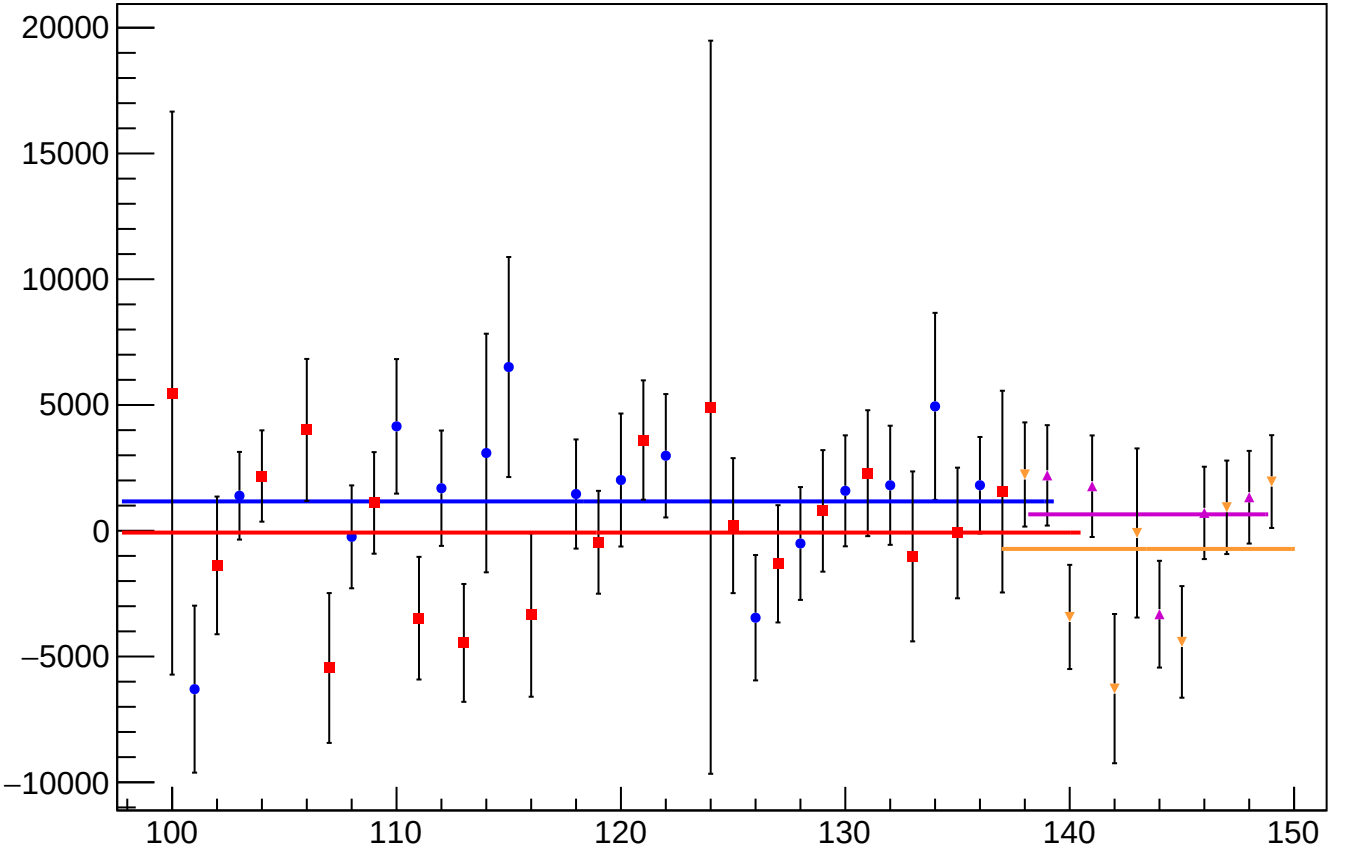
Out: 331.732+/-0.077 χ^2/NDF:5707811.6/25

All: 340.648+/-0.055 χ^2/NDF: 8726054.0/46


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:1.2/6
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: 6.6/11
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:13.0/25
All: -0.000+/-0.000 χ²/NDF: 30.6/46


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:1113805.7/6
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: 2036189.5/11
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:4328179.8/25
All: 0.000+/-0.000 χ²/NDF: 8405772.6/46

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -722.455+/-829.094 χ^2/NDF:13.0/6

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 652.379+/-873.872 χ^2/NDF:4.5/4

Left: -71.163+/-601.465 χ^2/NDF: 18.8/11

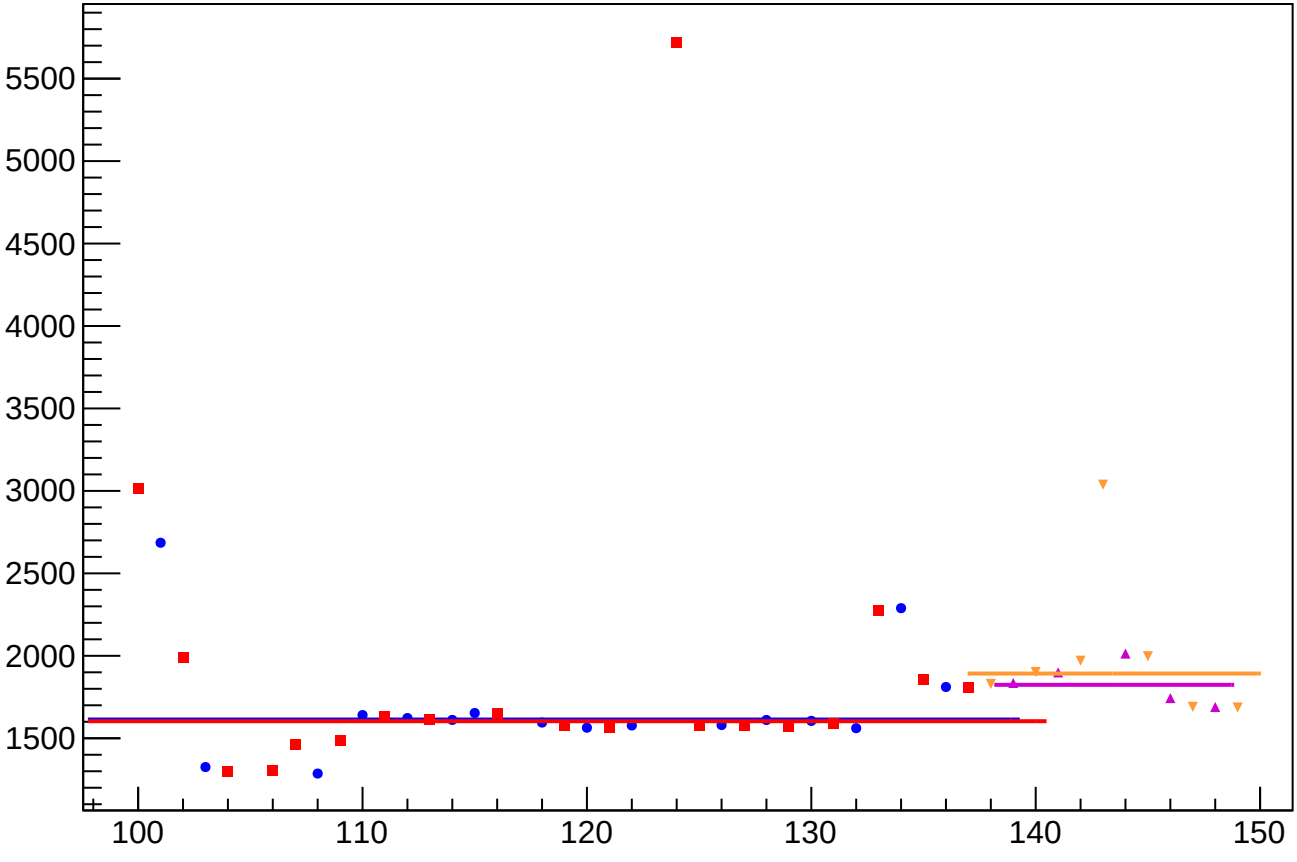
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 998.613+/-499.734 χ^2/NDF:19.2/20

Out: -297.328+/-487.853 χ^2/NDF:31.7/25

All: 335.054+/-349.089 χ^2/NDF: 54.3/46

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1892.491+/-0.586 χ^2/NDF:288335.3/6

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

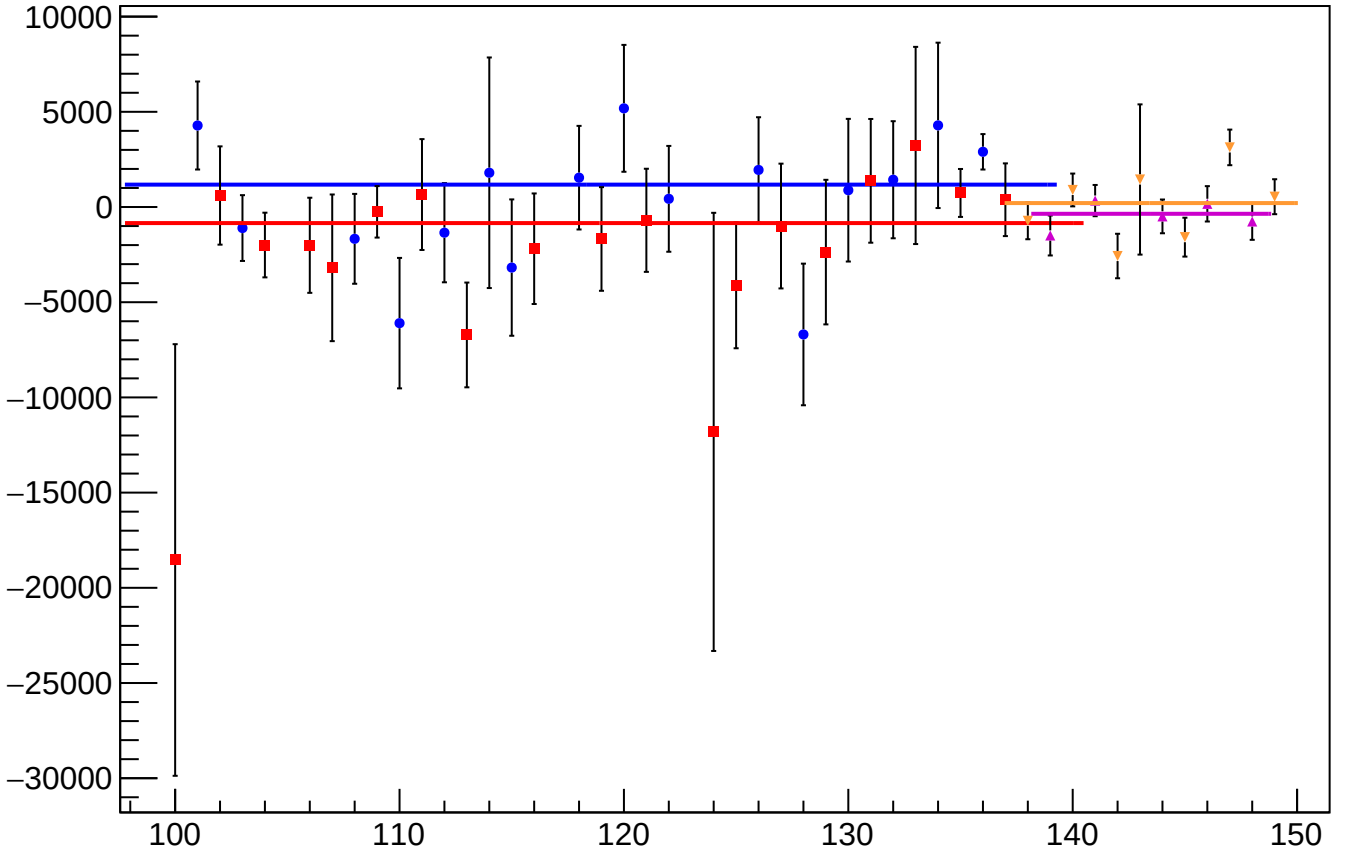
Left: 1860.089+/-0.425 χ^2/NDF: 328119.4/11

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1682.486+/-0.353 χ^2/NDF:516061.9/20

Out: 1703.535+/-0.345 χ^2/NDF:873027.6/25

All: 1693.264+/-0.247 χ^2/NDF: 1390906.2/46



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 206.941+/-392.131 χ^2/NDF:20.3/6

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -356.452+/-411.768 χ^2/NDF:2.4/4

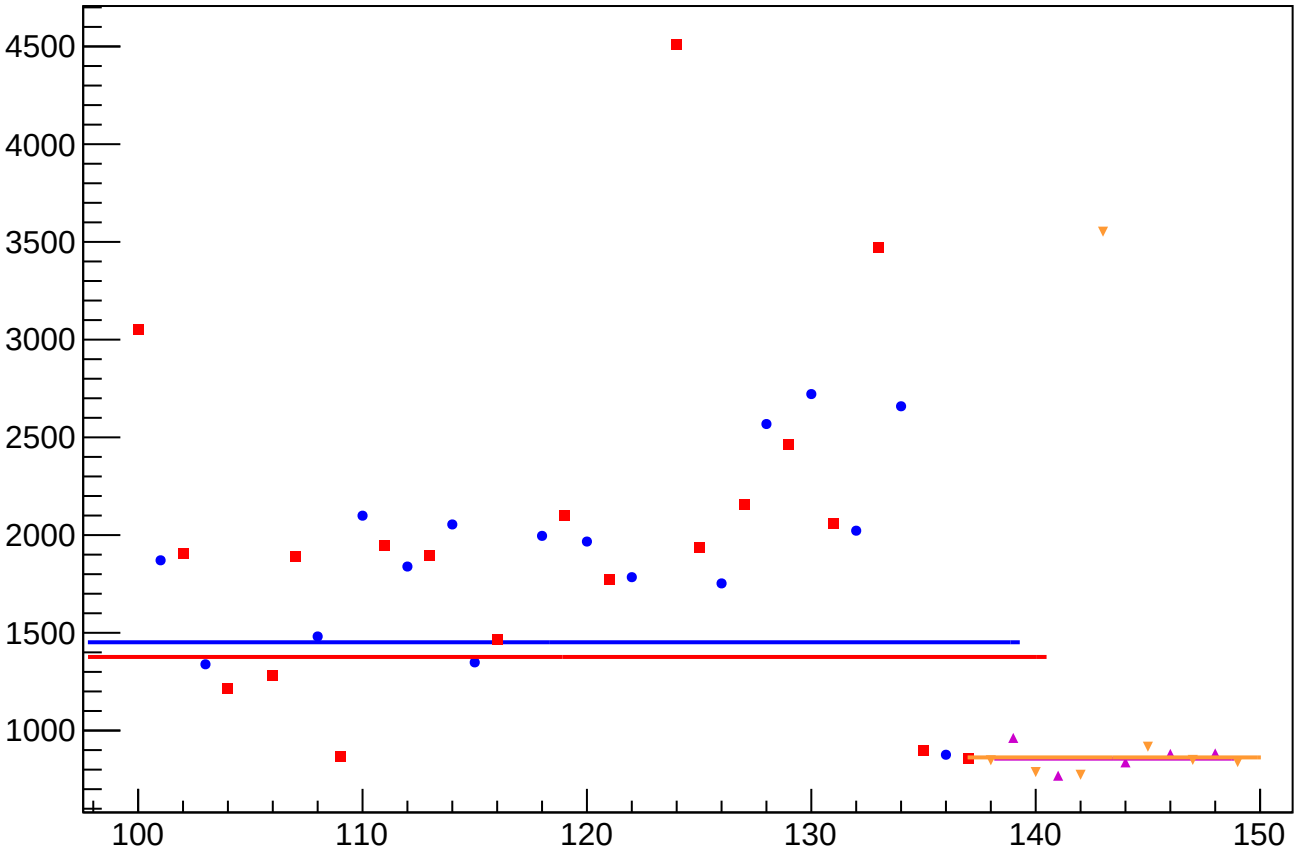
Left: -61.002+/-283.967 χ^2/NDF: 23.7/11

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 158.027+/-335.575 χ^2/NDF:29.0/20

Out: -140.909+/-320.725 χ^2/NDF:37.0/25

All: 1.799+/-231.859 χ^2/NDF: 66.4/46



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 862.490+/-0.277 χ^2/NDF:964351.0/6

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: 859.481+/-0.201 χ^2/NDF: 1011431.9/11

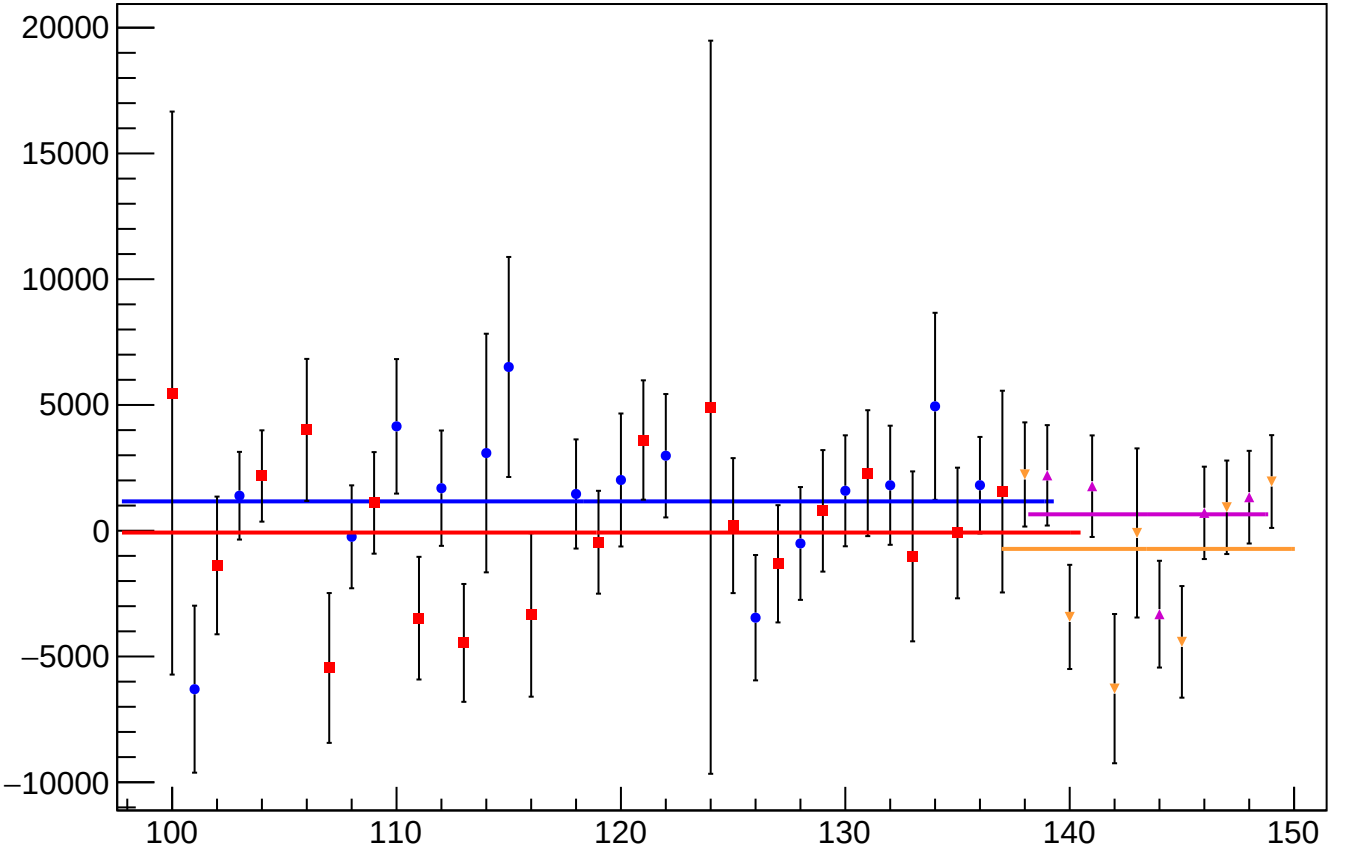
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1056.143+/-0.237 χ^2/NDF:3242332.2/20

Out: 1032.635+/-0.227 χ^2/NDF:4233852.7/25

All: 1043.857+/-0.164 χ^2/NDF: 7481314.6/46

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -722.526+/-829.094 χ^2/NDF:13.0/6

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: -71.111+/-601.465 χ^2/NDF: 18.8/11

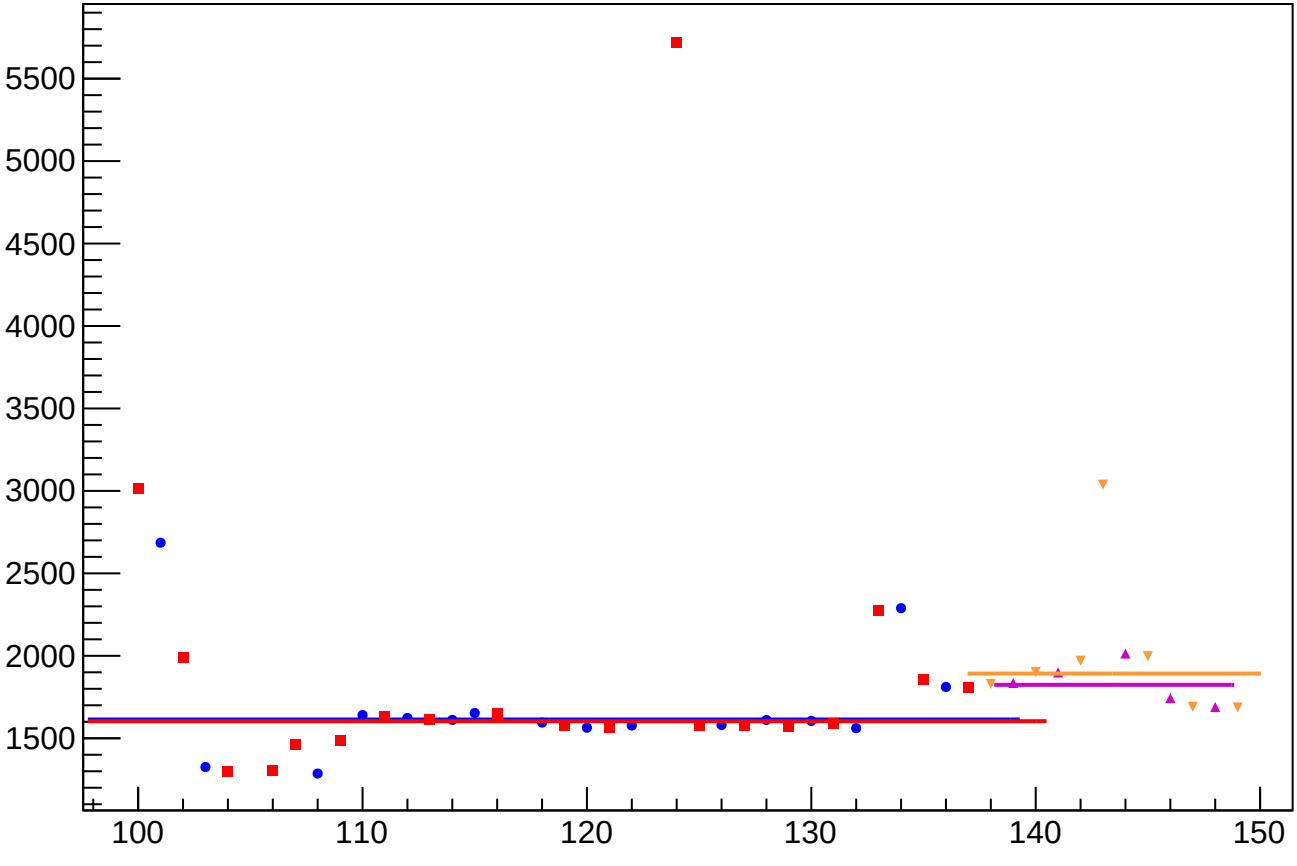
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 998.612+/-499.734 χ^2/NDF:19.2/20

Out: -297.561+/-487.853 χ^2/NDF:31.7/25

All: 334.934+/-349.089 χ^2/NDF: 54.3/46

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1892.491+/-0.586 χ^2/NDF:288335.3/6

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

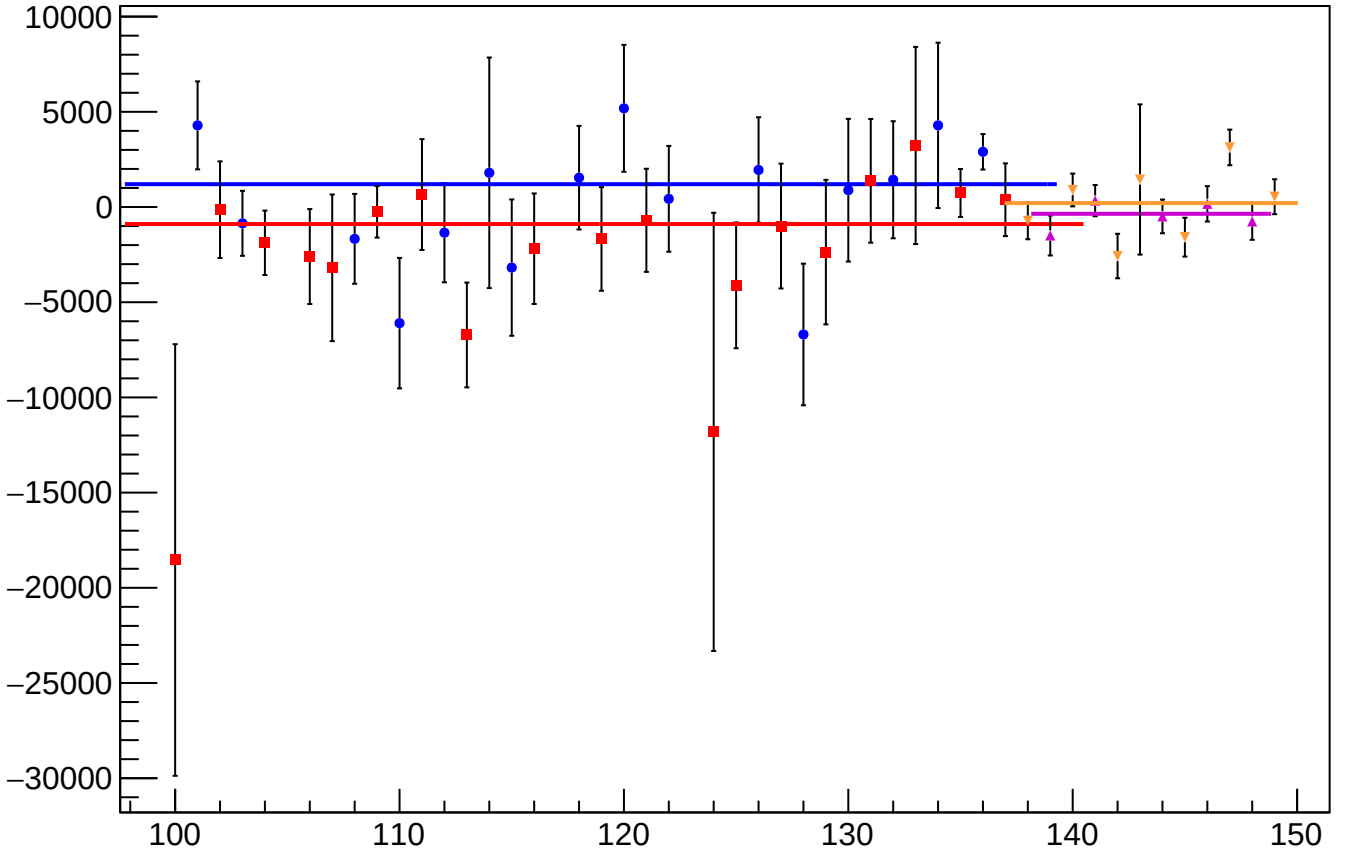
Left: 1860.089+/-0.425 χ^2/NDF: 328119.3/11

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.486+/-0.353 χ^2/NDF:516062.2/20

Out: 1703.535+/-0.345 χ^2/NDF:873027.8/25

All: 1693.264+/-0.247 χ^2/NDF: 1390906.7/46



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 206.983+/-392.140 χ^2/NDF:20.3/6

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: -60.992+/-283.969 χ^2/NDF: 23.7/11

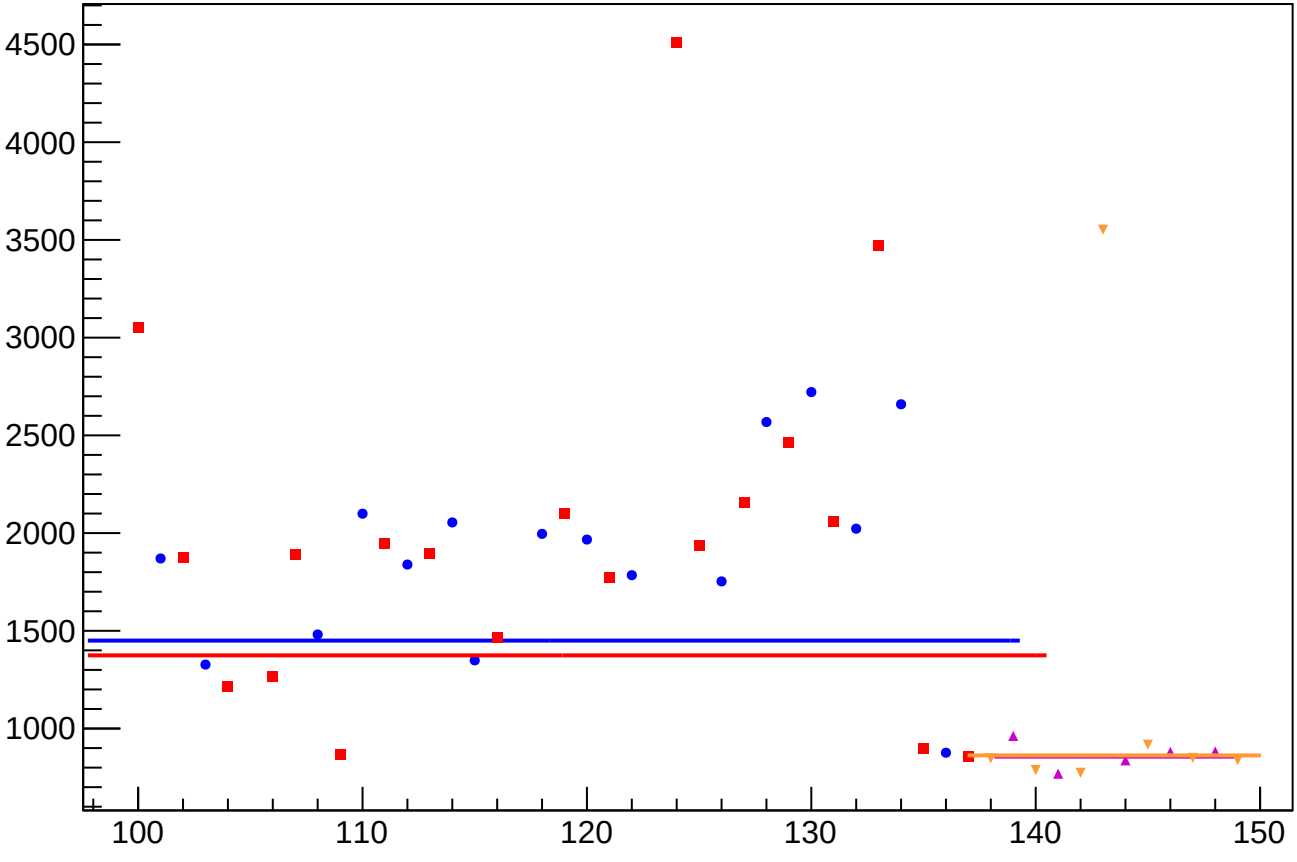
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 166.680+/-335.413 χ^2/NDF:28.9/20

Out: -158.653+/-320.583 χ^2/NDF:37.1/25

All: -3.337+/-231.752 χ^2/NDF: 66.5/46

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 862.512+/-0.277 χ^2/NDF:964318.9/6

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: 859.488+/-0.201 χ^2/NDF: 1011419.1/11

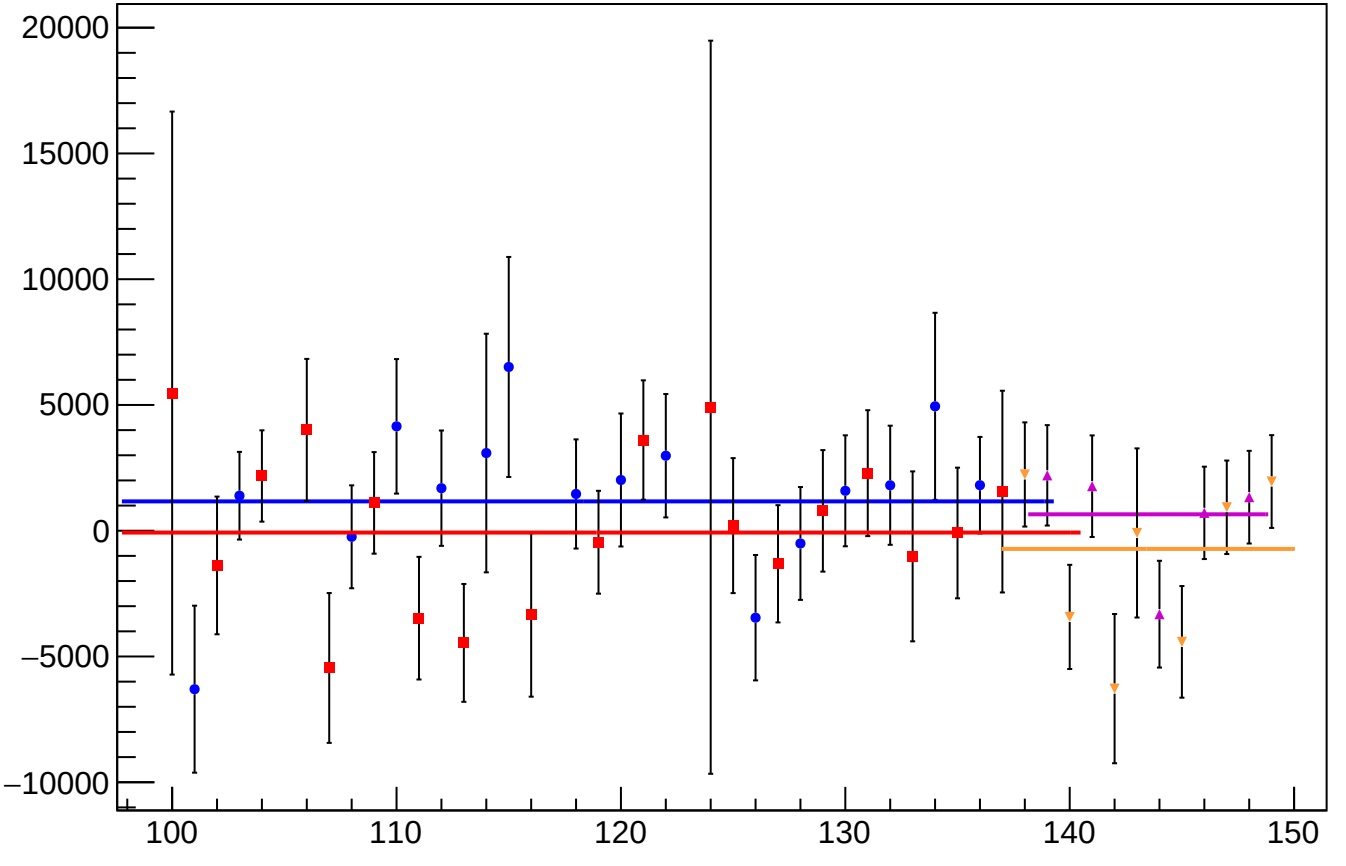
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1055.944+/-0.237 χ^2/NDF:3238890.0/20

Out: 1032.296+/-0.227 χ^2/NDF:4222468.2/25

All: 1043.586+/-0.164 χ^2/NDF: 7466553.5/46

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -722.526+/-829.094 χ^2/NDF:13.0/6

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 652.567+/-873.872 χ^2/NDF:4.5/4

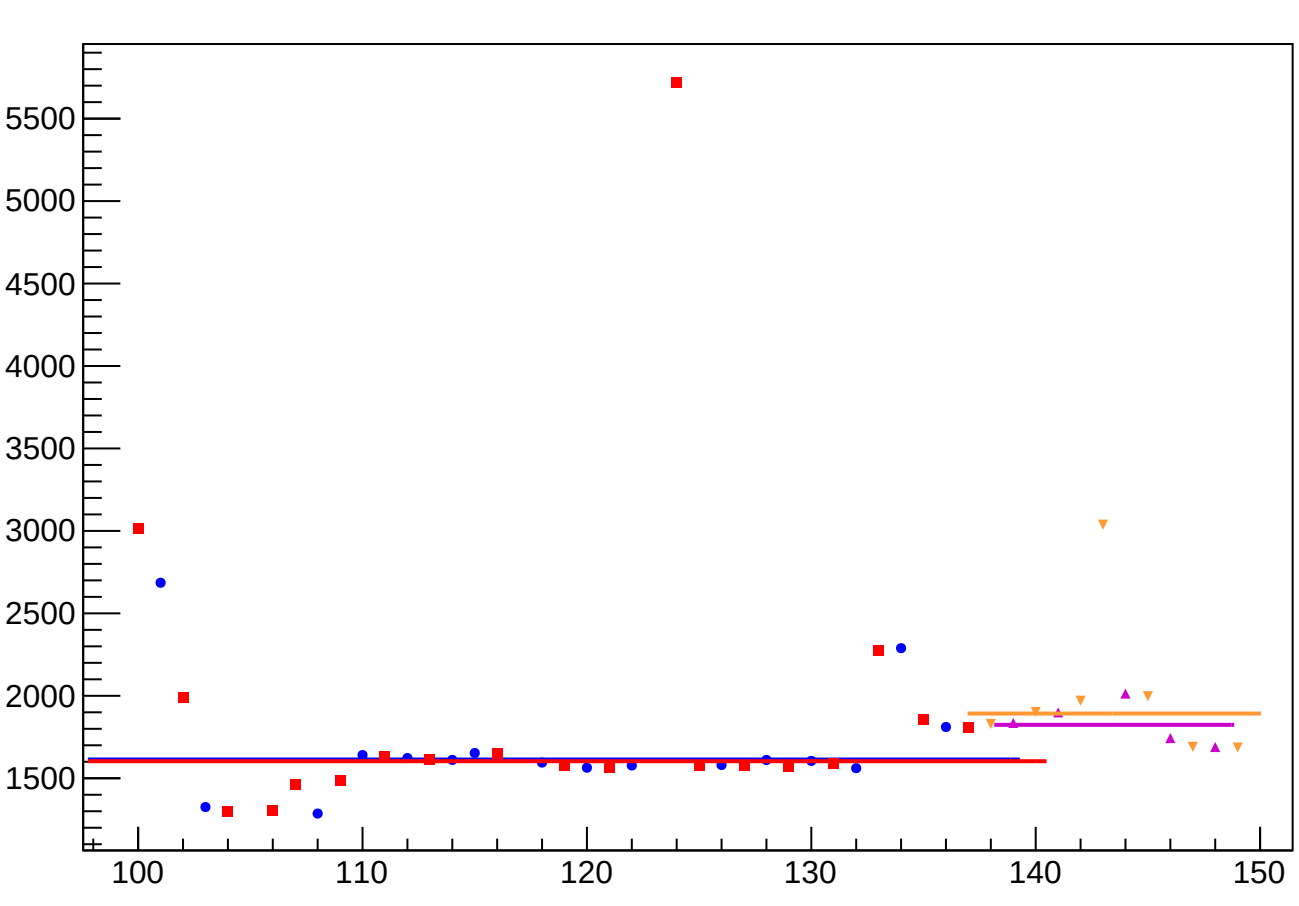
Left: -71.111+/-601.465 χ^2/NDF: 18.8/11

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 998.612+/-499.734 χ^2/NDF:19.2/20

Out: -297.561+/-487.853 χ^2/NDF:31.7/25

All: 334.934+/-349.089 χ^2/NDF: 54.3/46



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1892.491+/-0.586 χ^2/NDF:288335.3/6

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1824.093+/-0.618 χ^2/NDF:33335.9/4

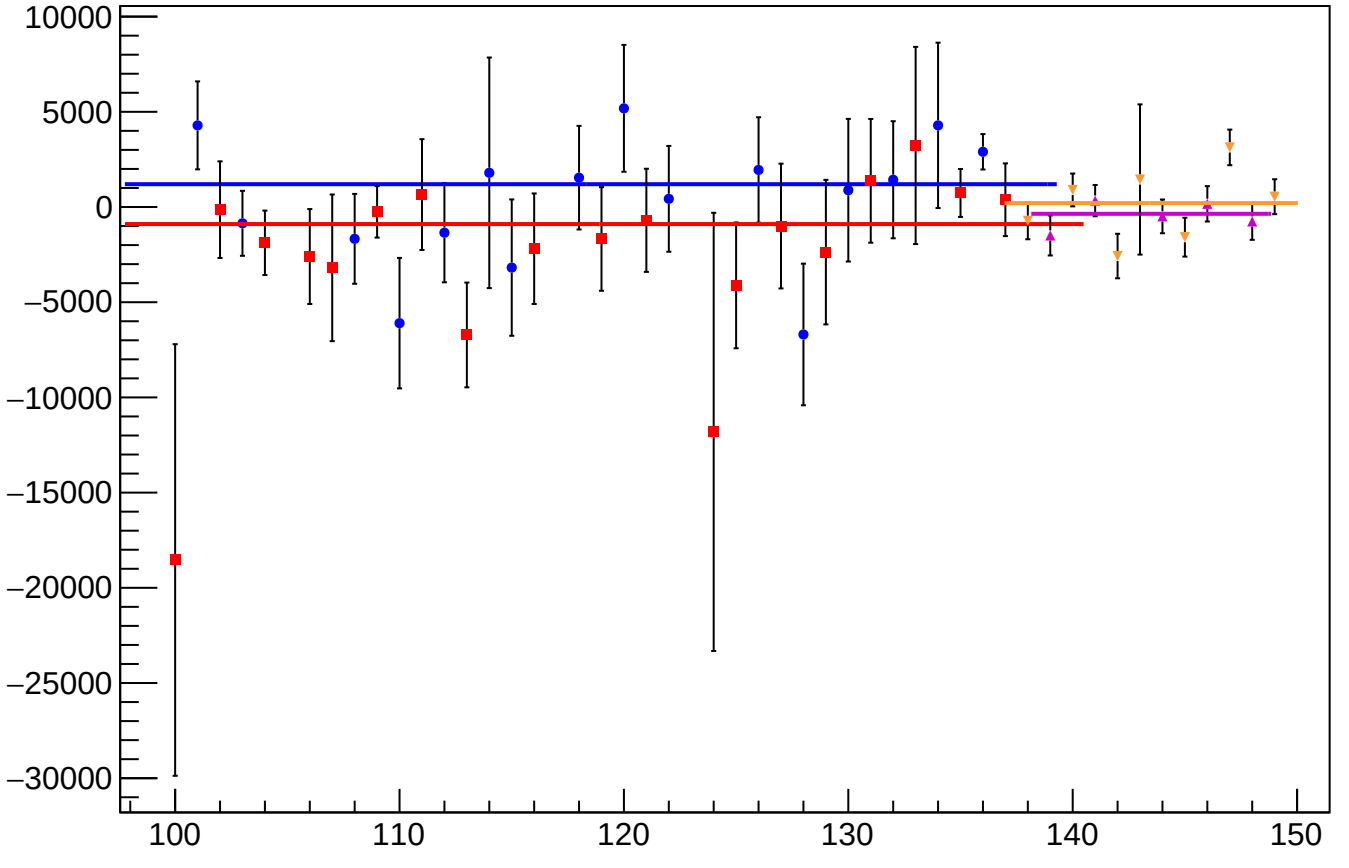
Left: 1860.089+/-0.425 χ^2/NDF: 328119.3/11

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.486+/-0.353 χ^2/NDF:516062.2/20

Out: 1703.535+/-0.345 χ^2/NDF:873027.8/25

All: 1693.264+/-0.247 χ^2/NDF: 1390906.7/46



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 206.983+/-392.140 χ^2/NDF:20.3/6

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.459+/-411.765 χ^2/NDF:2.4/4

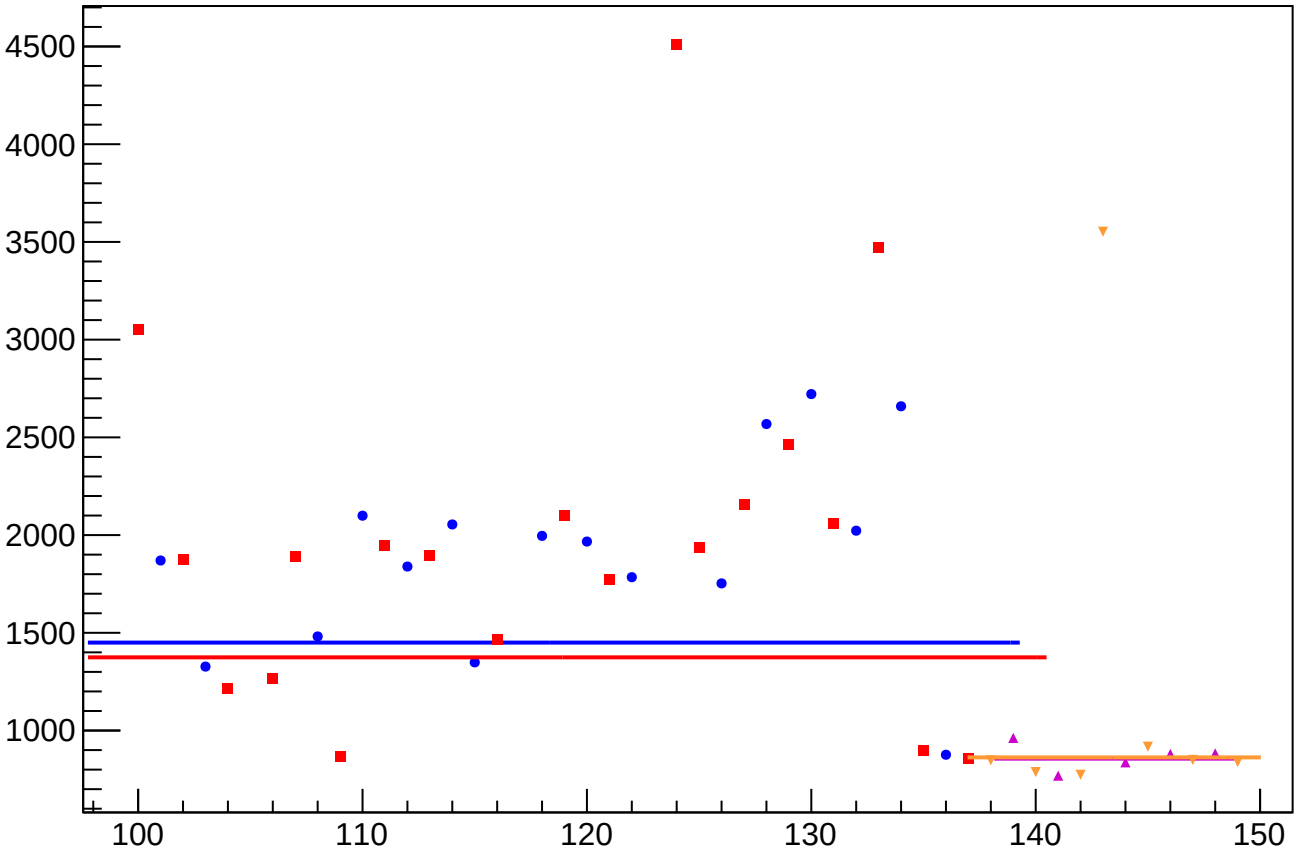
Left: -60.992+/-283.969 χ^2/NDF: 23.7/11

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 166.680+/-335.413 χ^2/NDF:28.9/20

Out: -158.653+/-320.583 χ^2/NDF:37.1/25

All: -3.337+/-231.752 χ^2/NDF: 66.5/46



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 862.512+/-0.277 χ^2/NDF:964318.9/6

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 856.155+/-0.291 χ^2/NDF:46850.3/4

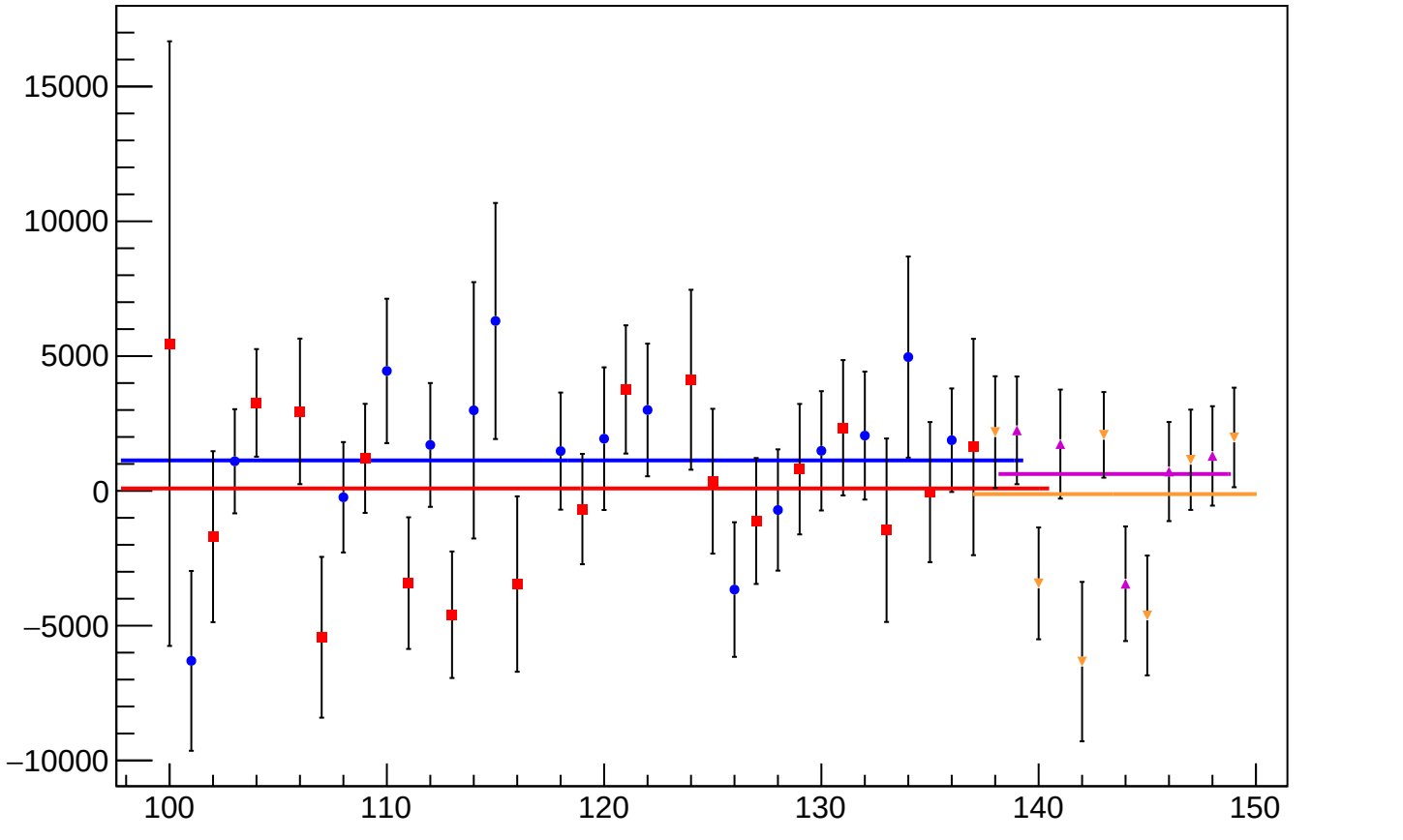
Left: 859.488+/-0.201 χ^2/NDF: 1011419.1/11

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1055.944+/-0.237 χ^2/NDF:3238890.0/20

Out: 1032.296+/-0.227 χ^2/NDF:4222468.2/25

All: 1043.586+/-0.164 χ^2/NDF: 7466553.5/46



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -119.787+/-753.502 χ^2/NDF:16.0/6

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 626.603+/-874.897 χ^2/NDF:4.8/4

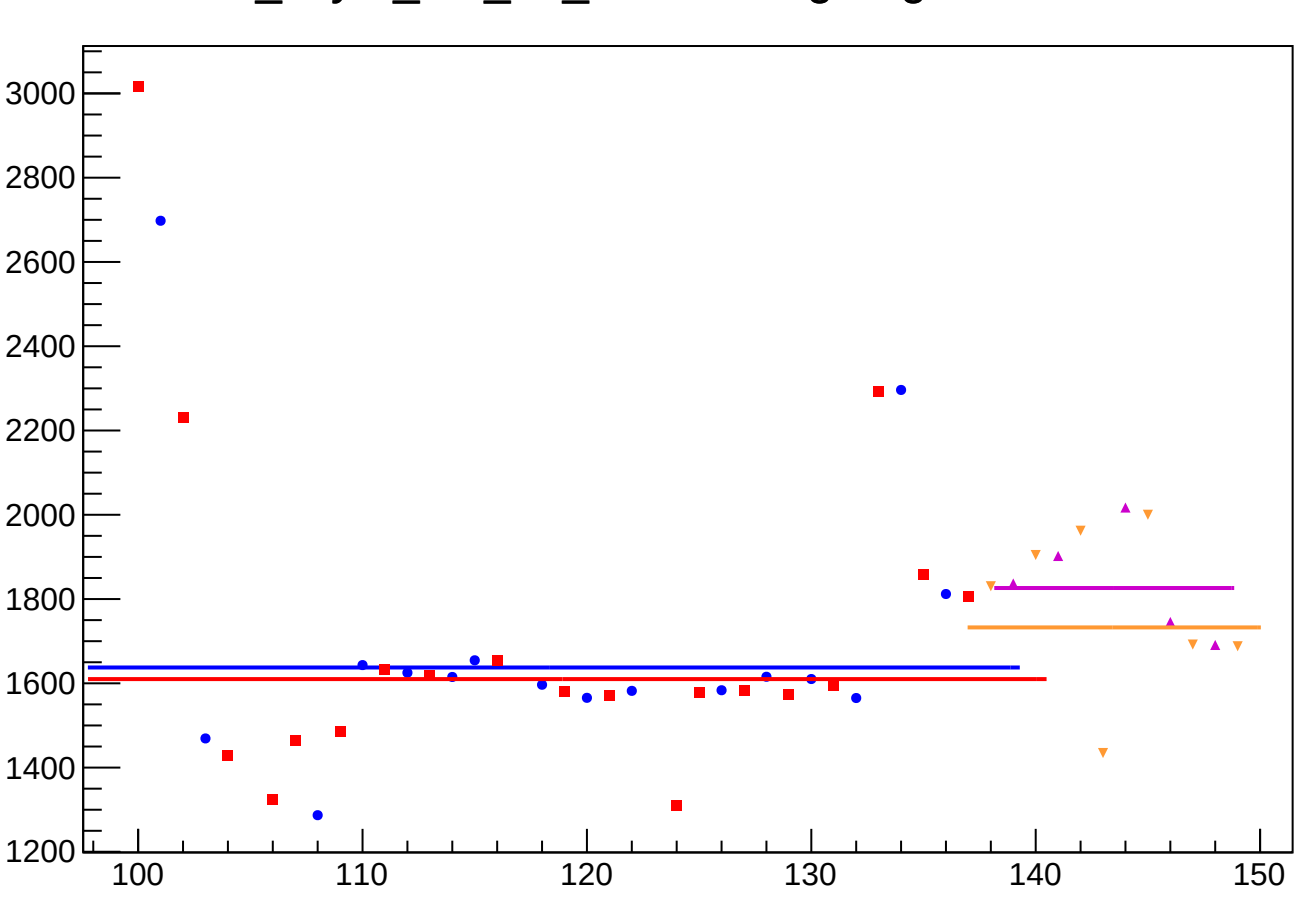
Left: 198.073+/-570.942 χ^2/NDF: 21.2/11

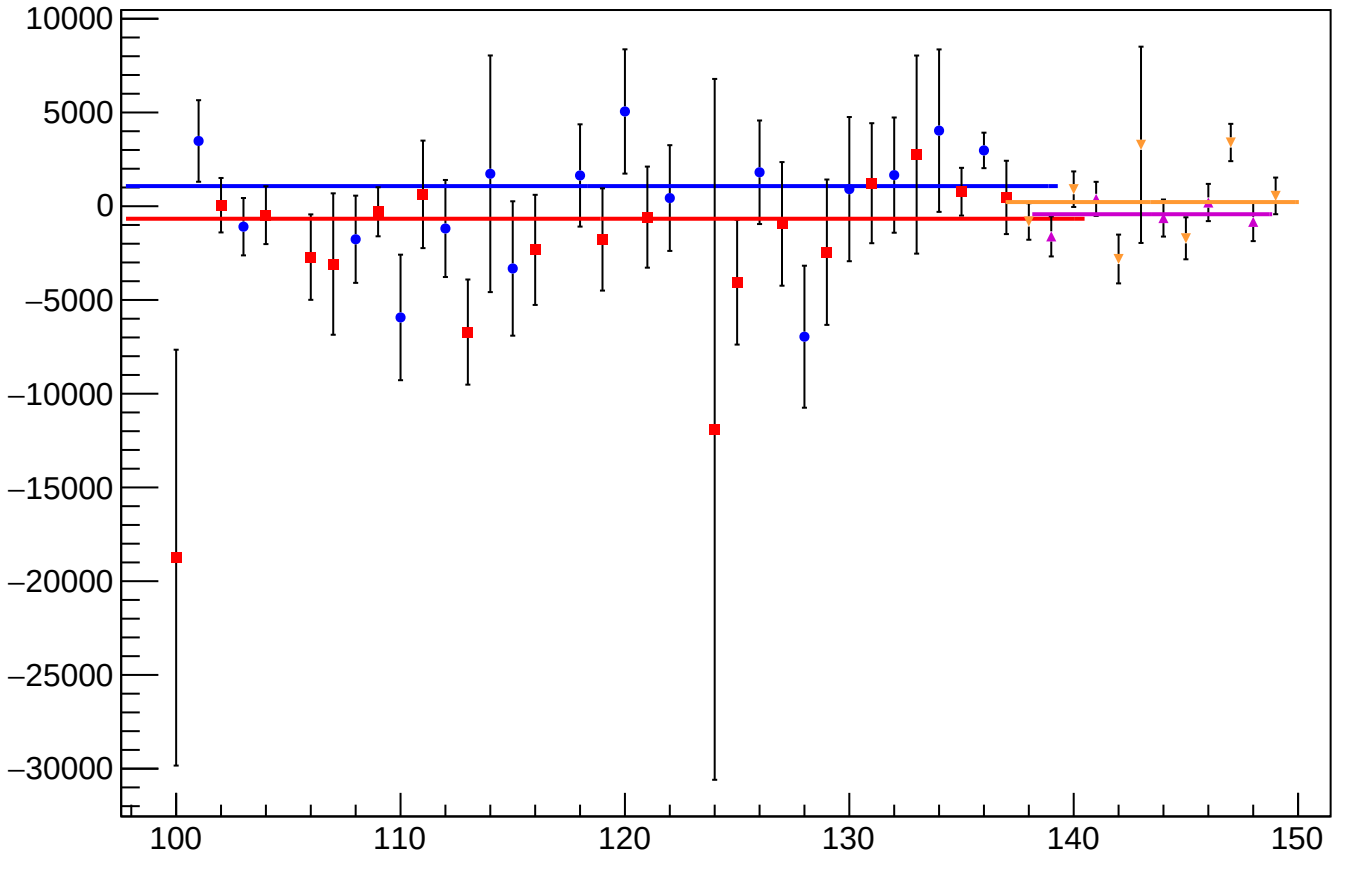
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 963.196+/-504.354 χ^2/NDF:20.0/20

Out: 7.612+/-470.838 χ^2/NDF:36.7/25

All: 452.600+/-344.172 χ^2/NDF: 58.6/46


dit_asym_at2_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
Right In: 1637.574+/-0.436 χ²/NDF: 361417.0/15
Left Out: 1732.679+/-0.533 χ²/NDF:131783.0/6
Right Out: 1610.043+/-0.426 χ²/NDF: 280812.5/18
Left In: 1826.184+/-0.619 χ²/NDF:33612.5/4
Left: 1772.499+/-0.404 χ²/NDF: 178511.5/11
Right: 1623.489+/-0.305 χ²/NDF: 644265.1/34
In: 1700.253+/-0.357 χ²/NDF:457090.0/20
Out: 1657.927+/-0.333 χ²/NDF:444887.9/25
All: 1677.637+/-0.243 χ²/NDF: 909504.1/46



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 221.960+/-420.743 χ^2/NDF:20.7/6

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -426.663+/-444.206 χ^2/NDF:2.6/4

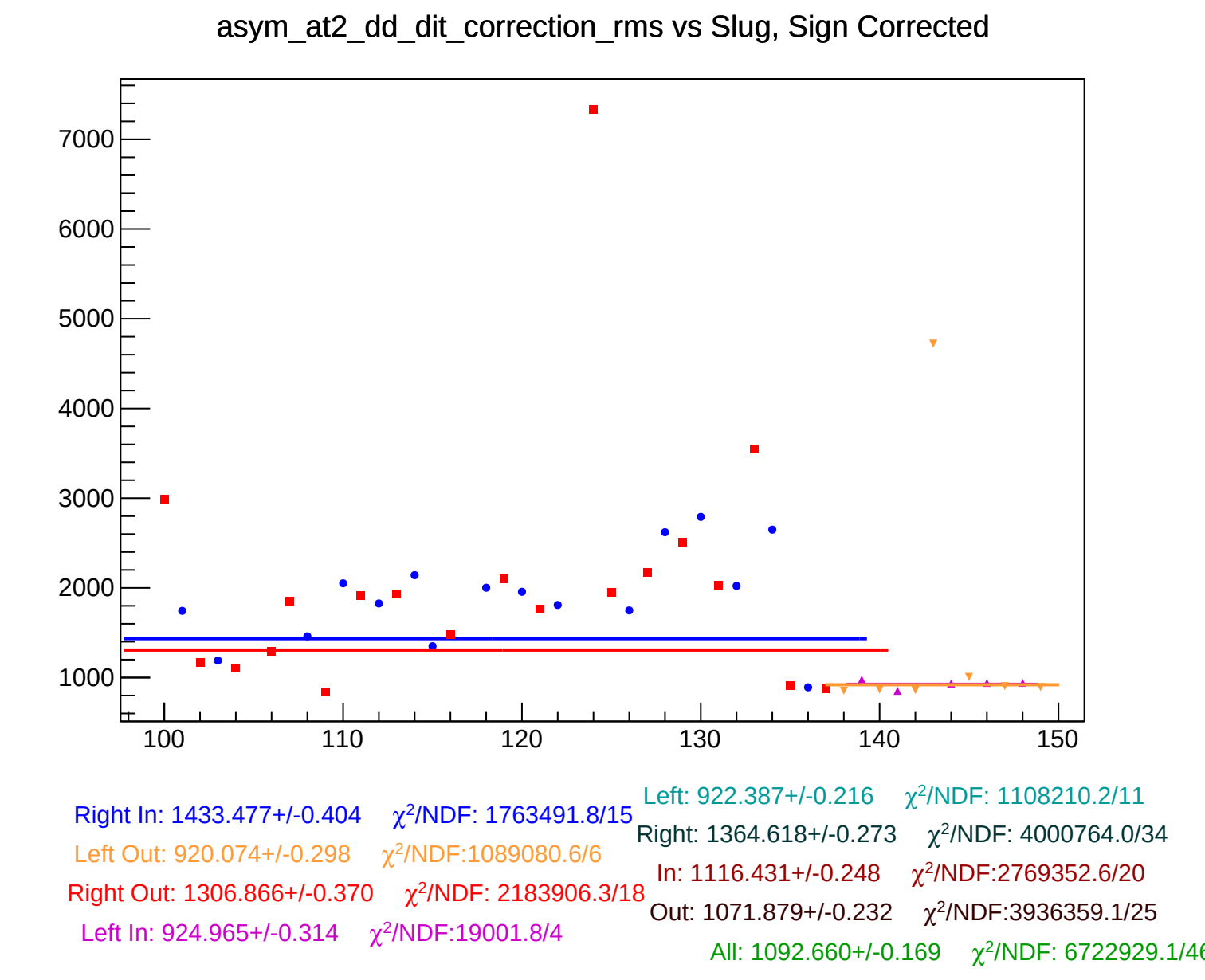
Left: -84.770+/-305.468 χ^2/NDF: 24.5/11

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 138.220+/-350.747 χ^2/NDF:29.0/20

Out: -127.236+/-327.945 χ^2/NDF:36.0/25

All: -3.416+/-239.548 χ^2/NDF: 65.3/46


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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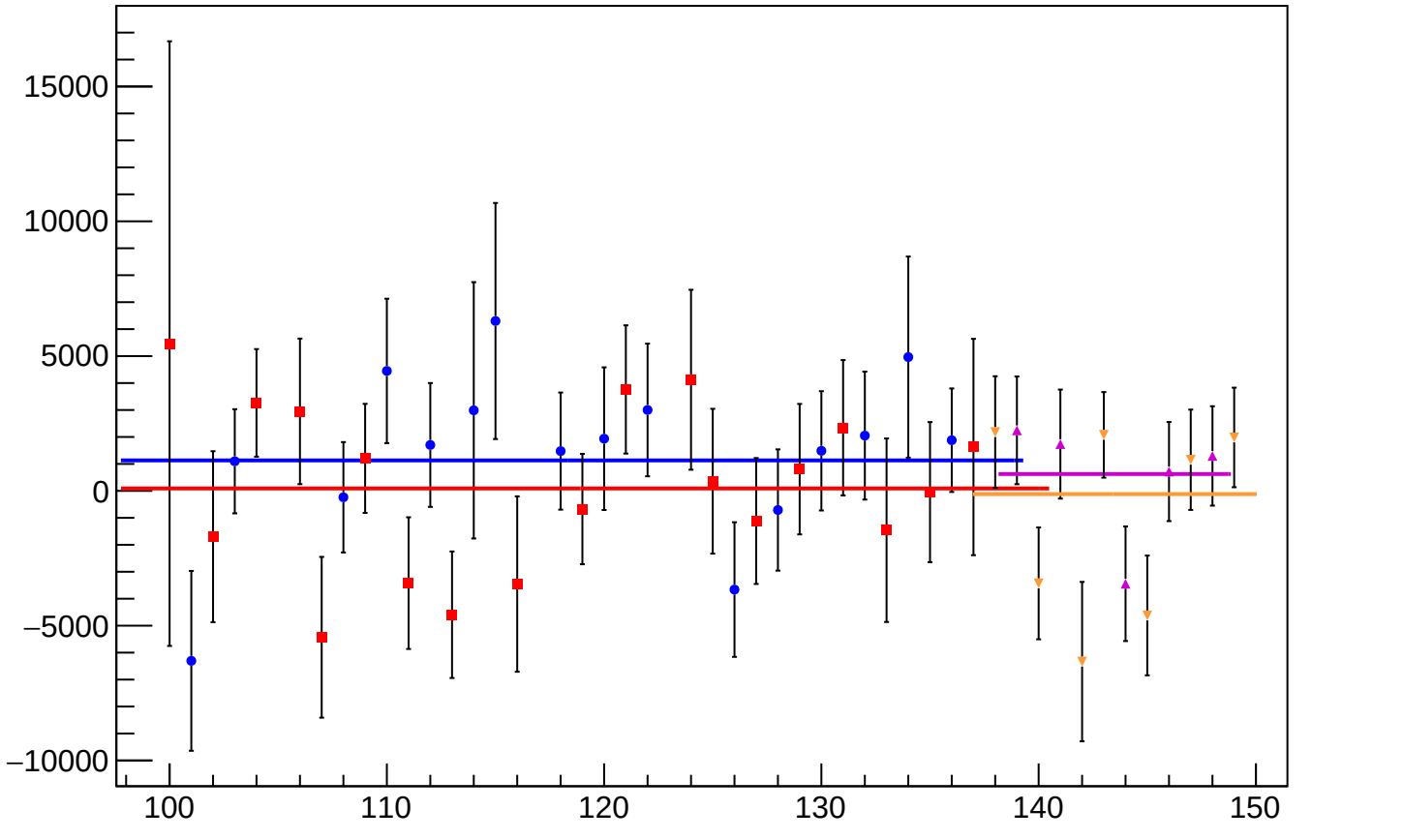
3000
2000
1000
100
110
120
130
140
150
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 920.074+/-0.298 χ²/NDF:1089080.6/6
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 924.965+/-0.314 χ²/NDF:19001.8/4
Left: 922.387+/-0.216 χ²/NDF: 1108210.2/11
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1116.431+/-0.248 χ²/NDF:2769352.6/20
Out: 1071.879+/-0.232 χ²/NDF:3936359.1/25
All: 1092.660+/-0.169 χ²/NDF: 6722929.1/46



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -119.798+/-753.502 χ^2/NDF:16.0/6

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 626.595+/-874.897 χ^2/NDF:4.8/4

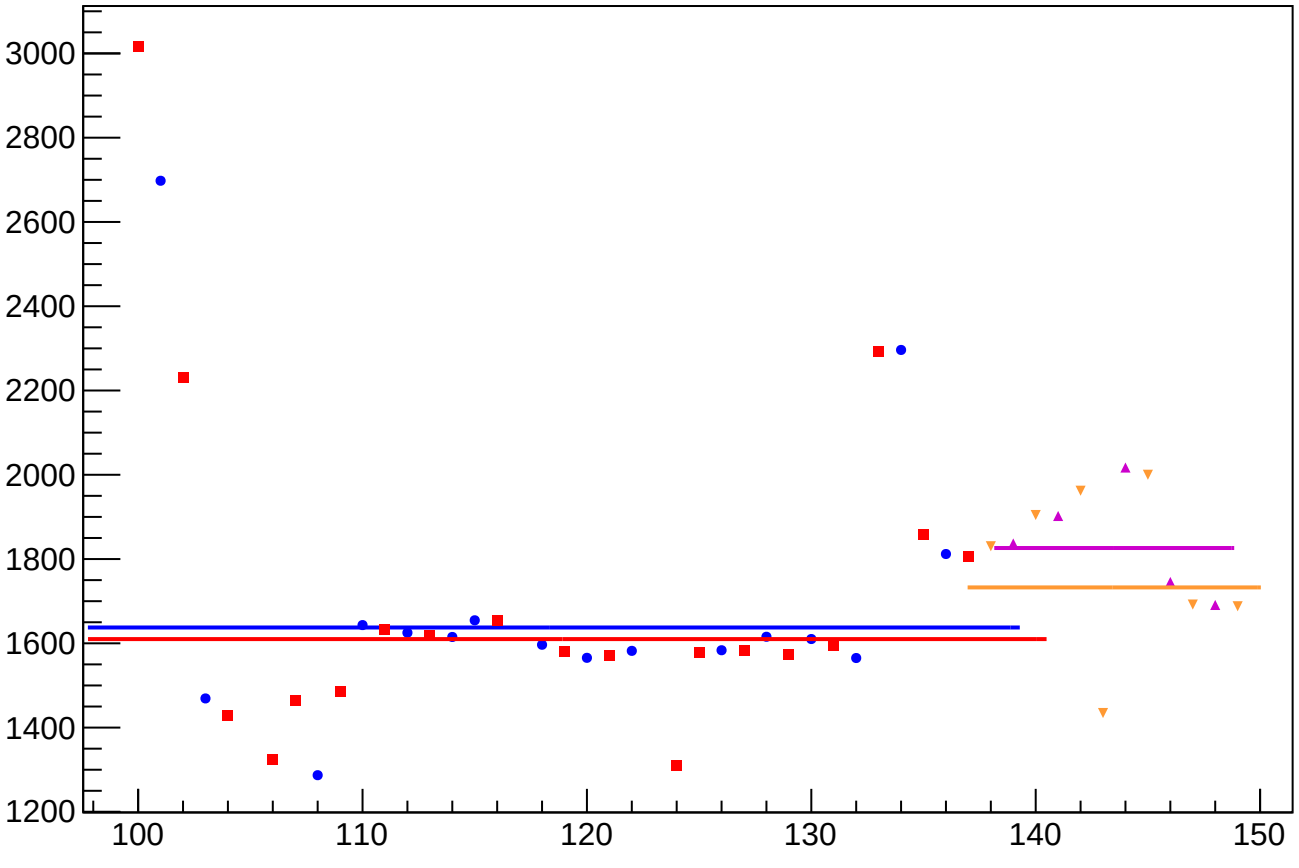
Left: 198.064+/-570.942 χ^2/NDF: 21.2/11

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 963.194+/-504.354 χ^2/NDF:20.0/20

Out: 7.611+/-470.838 χ^2/NDF:36.7/25

All: 452.599+/-344.172 χ^2/NDF: 58.6/46



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1732.680+/-0.533 χ^2/NDF:131781.9/6

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: 1772.500+/-0.404 χ^2/NDF: 178510.3/11

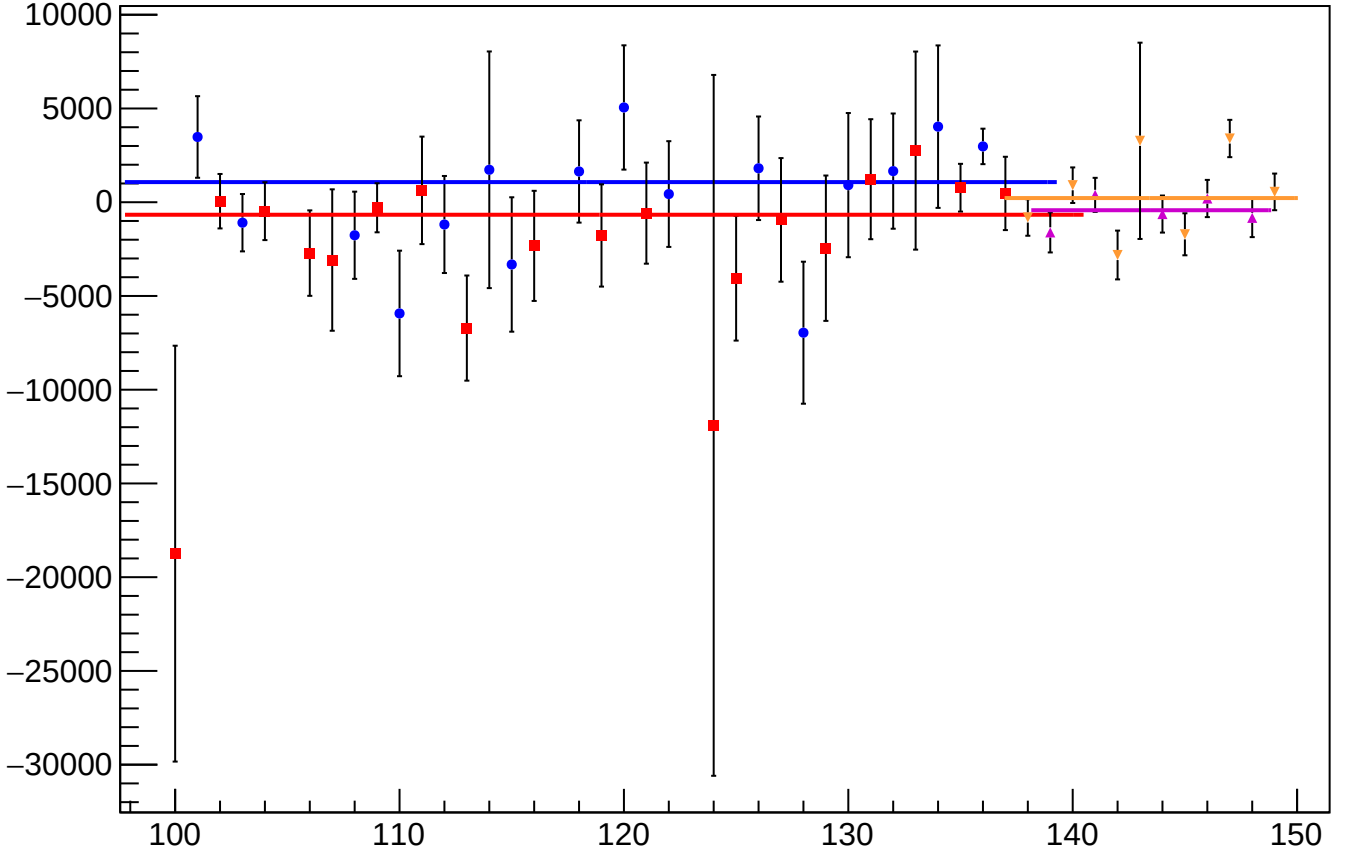
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.253+/-0.357 χ^2/NDF:457090.0/20

Out: 1657.927+/-0.333 χ^2/NDF:444887.4/25

All: 1677.637+/-0.243 χ^2/NDF: 909503.5/46

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: 221.972+/-420.746 χ^2/NDF:20.7/6

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -426.661+/-444.207 χ^2/NDF:2.6/4

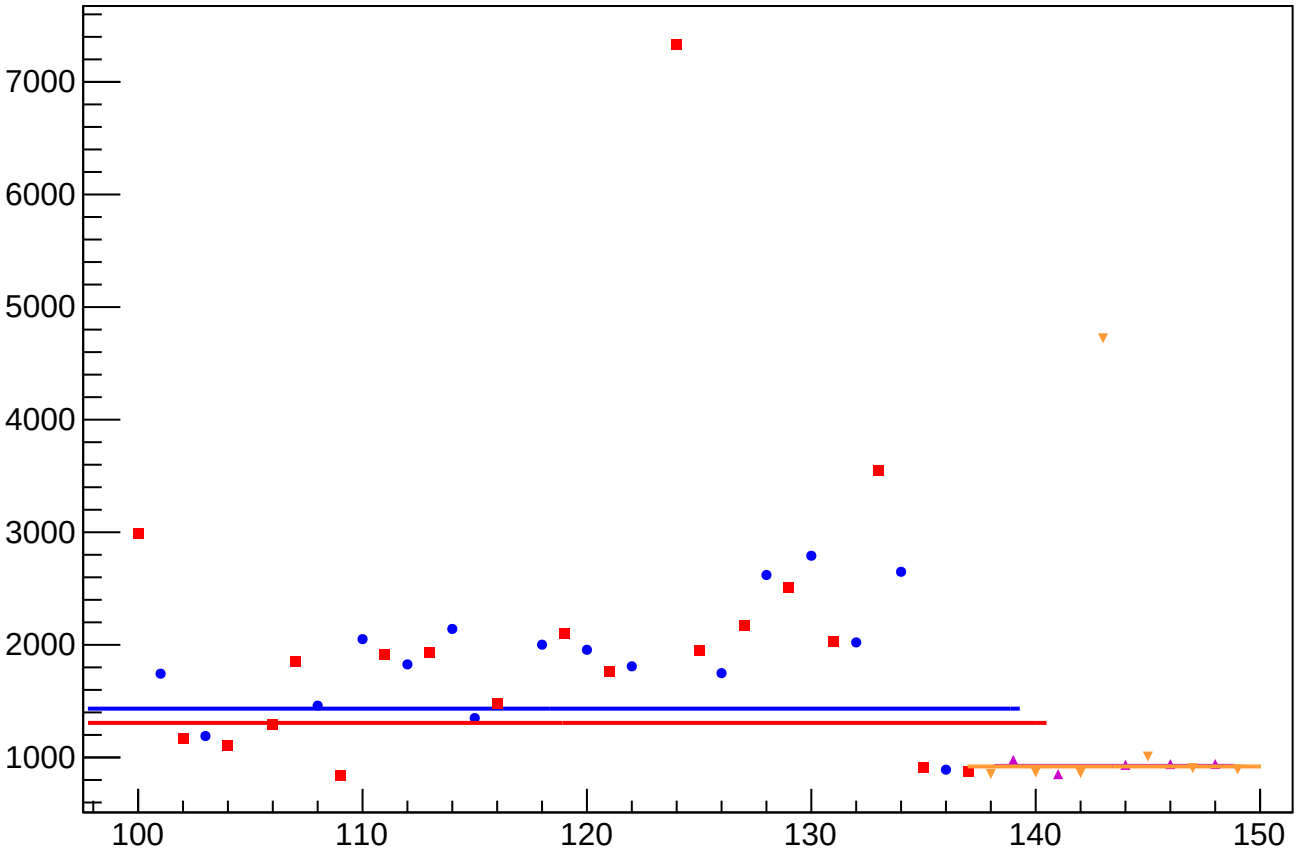
Left: -84.764+/-305.470 χ^2/NDF: 24.5/11

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 138.213+/-350.749 χ^2/NDF:29.0/20

Out: -127.233+/-327.947 χ^2/NDF:36.0/25

All: -3.418+/-239.549 χ^2/NDF: 65.3/46


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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2000
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100
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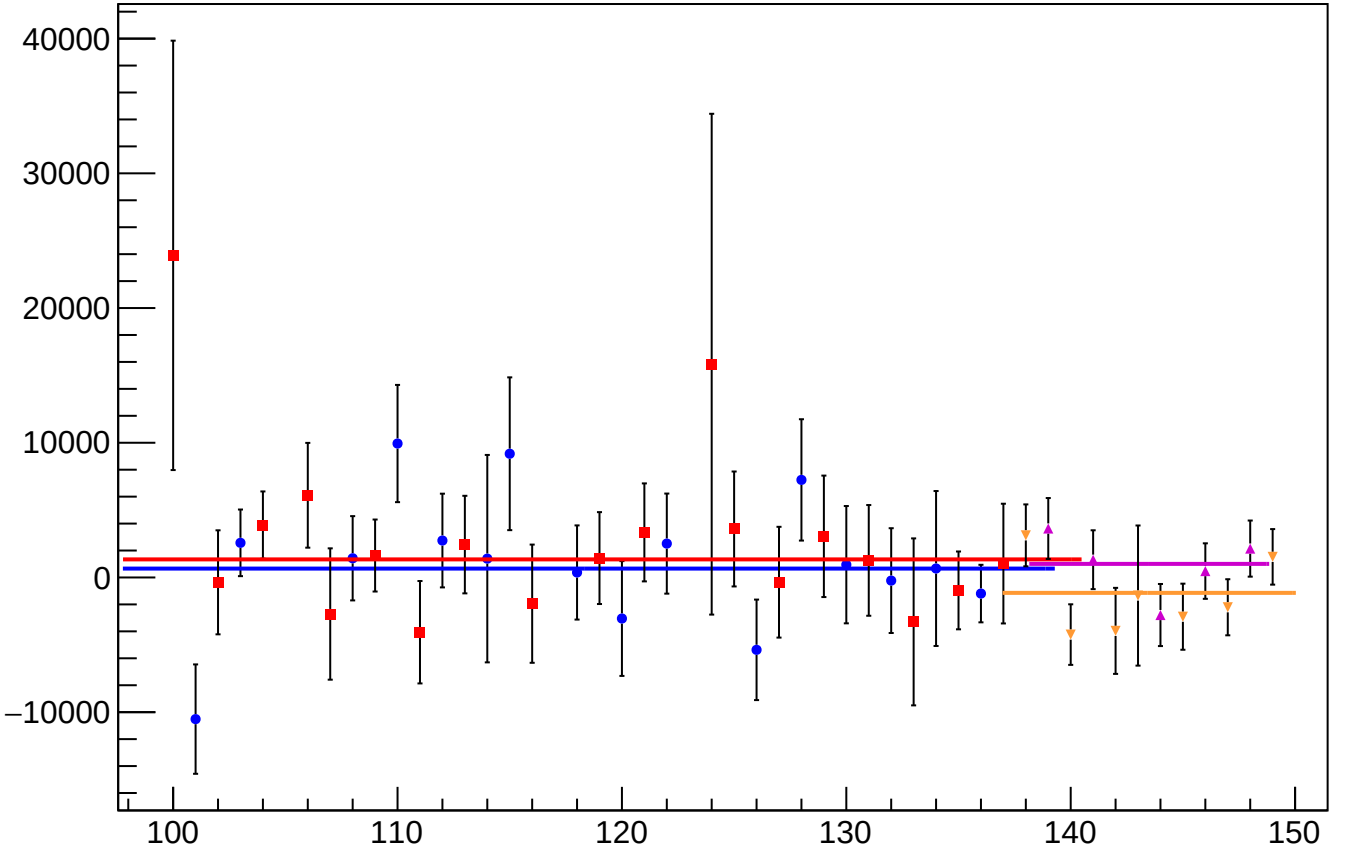
120
130
140
150
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 920.081+/-0.298 χ²/NDF:1089070.8/6
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 924.967+/-0.314 χ²/NDF:19002.6/4
Left: 922.392+/-0.216 χ²/NDF: 1108200.9/11
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1116.437+/-0.248 χ²/NDF:2769300.4/20
Out: 1071.888+/-0.232 χ²/NDF:3936291.8/25
All: 1092.667+/-0.169 χ²/NDF: 6722807.1/46

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1143.351+/-930.665 χ^2/NDF:8.6/6

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: -113.822+/-672.038 χ^2/NDF: 15.6/11

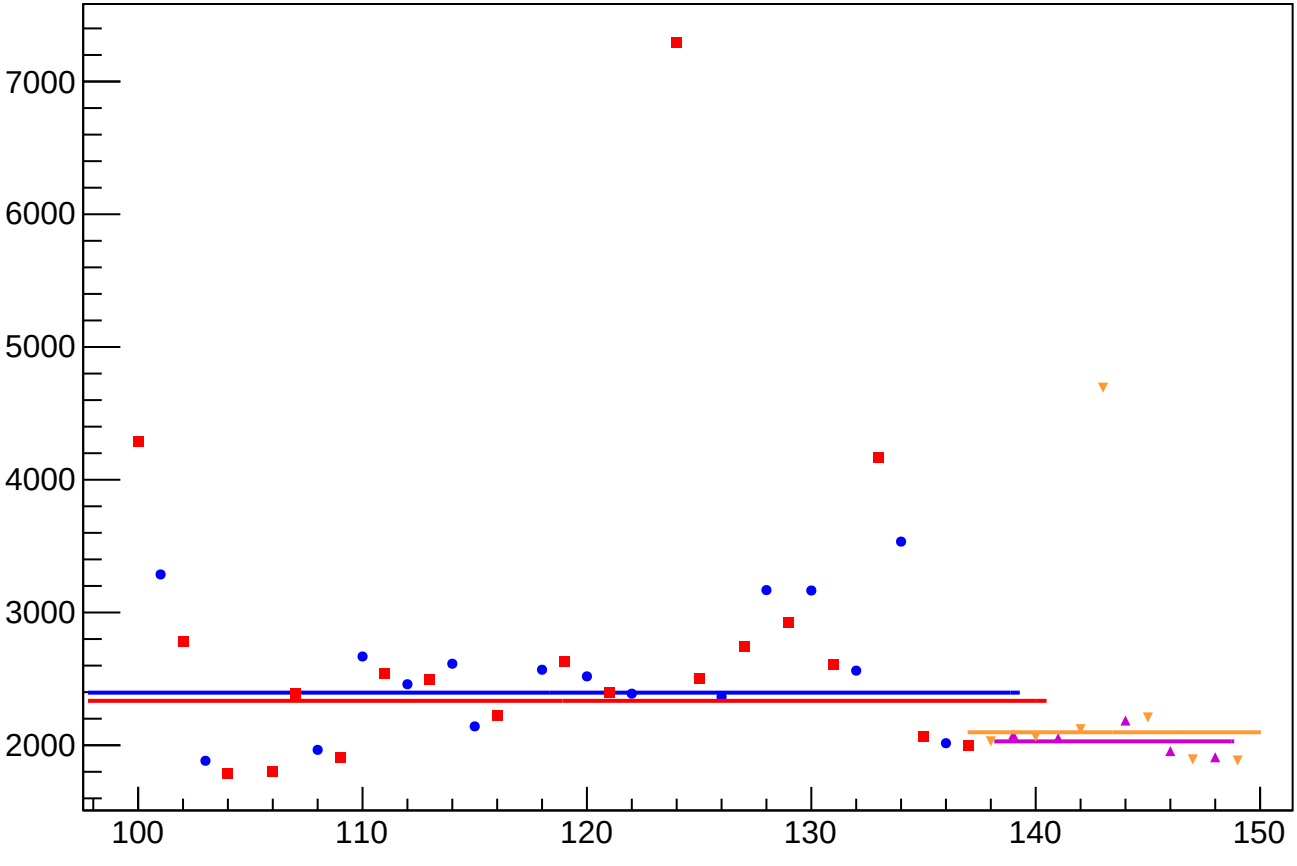
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 822.243+/-663.964 χ^2/NDF:26.5/20

Out: 154.005+/-643.438 χ^2/NDF:23.1/25

All: 477.635+/-462.066 χ^2/NDF: 50.2/46

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2097.739+/-0.658 χ^2/NDF:545123.0/6

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2029.167+/-0.687 χ^2/NDF:19617.3/4

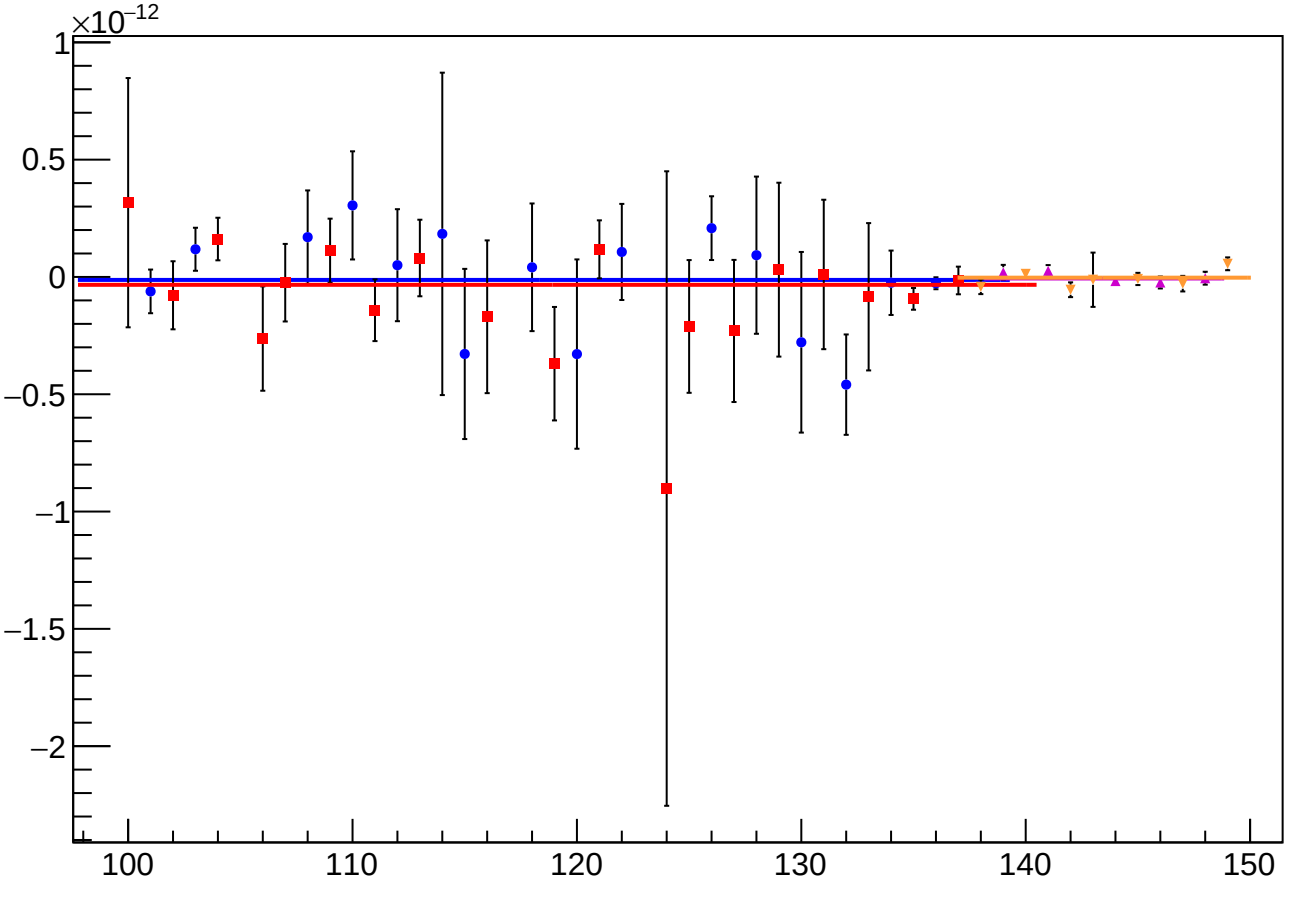
Left: 2064.923+/-0.475 χ^2/NDF: 569936.3/11

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2224.787+/-0.469 χ^2/NDF:679705.9/20

Out: 2221.378+/-0.455 χ^2/NDF:1294312.1/25

All: 2223.029+/-0.327 χ^2/NDF: 1974045.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/4

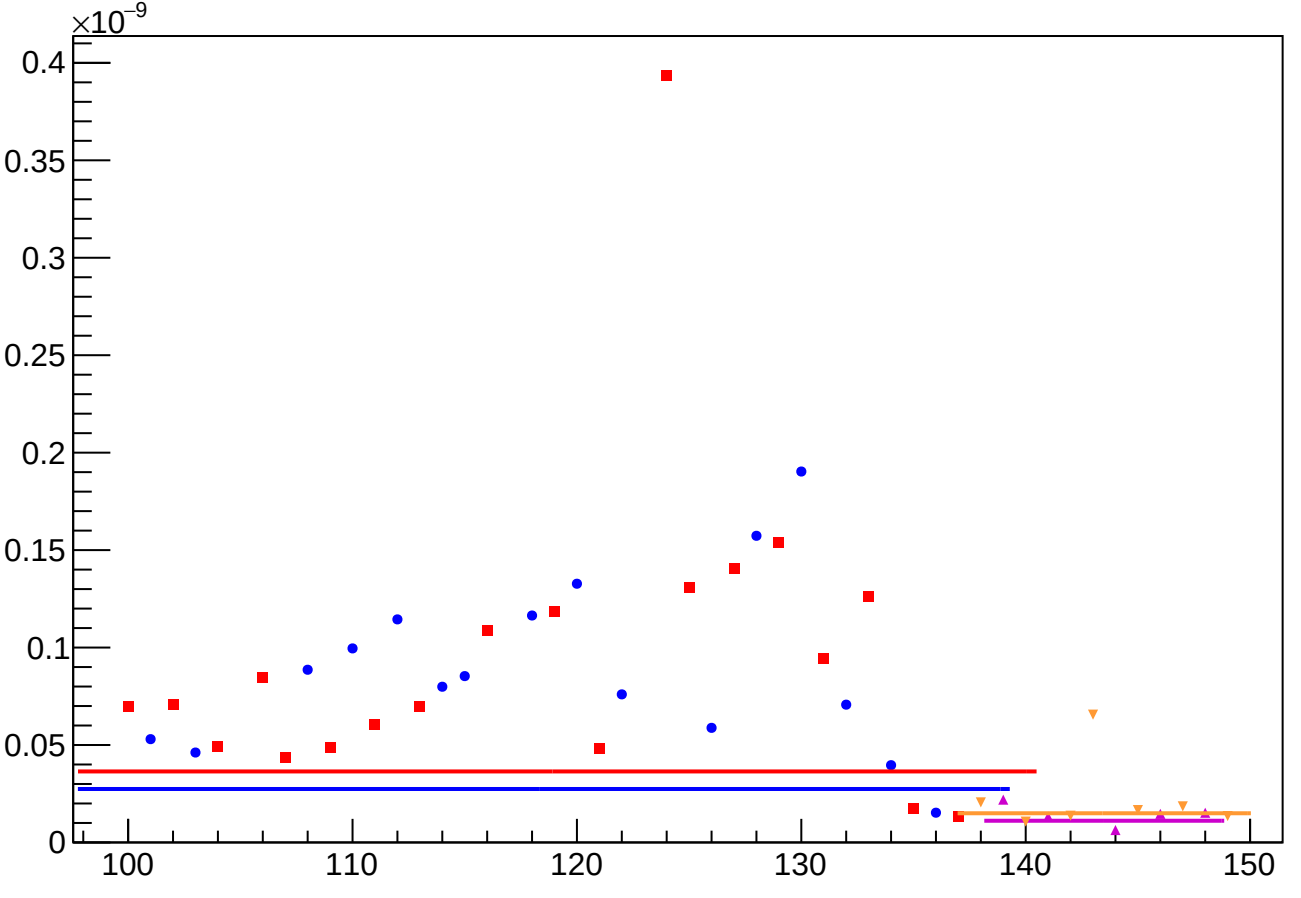
Left: -0.000+/-0.000 χ^2/NDF: 13.9/11

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:26.5/25

All: -0.000+/-0.000 χ^2/NDF: 45.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:589049.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:567862.6/4

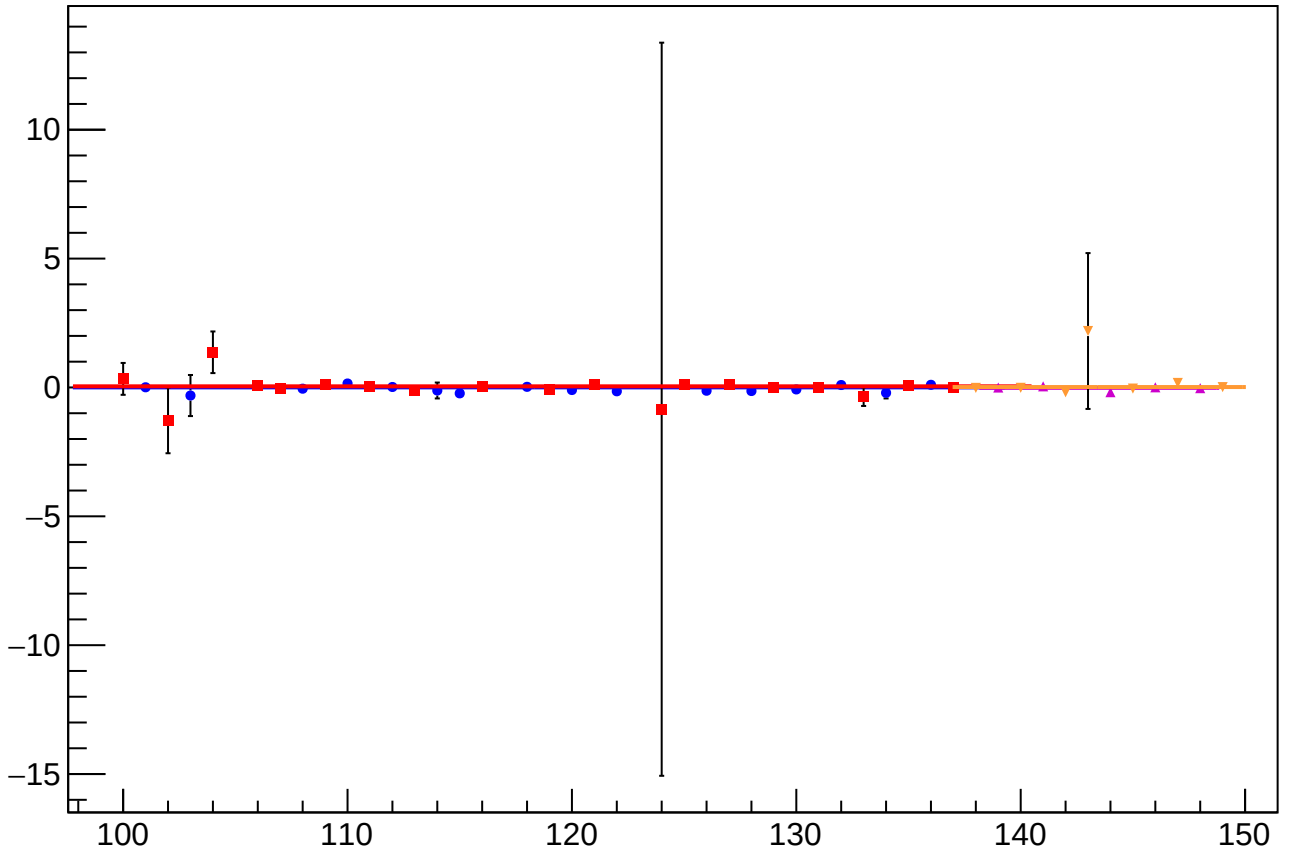
Left: 0.000+/-0.000 χ^2/NDF: 1298317.7/11

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:4055640.0/25

All: 0.000+/-0.000 χ^2/NDF: 8439746.9/46



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.028 χ^2/NDF:9.9/6

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

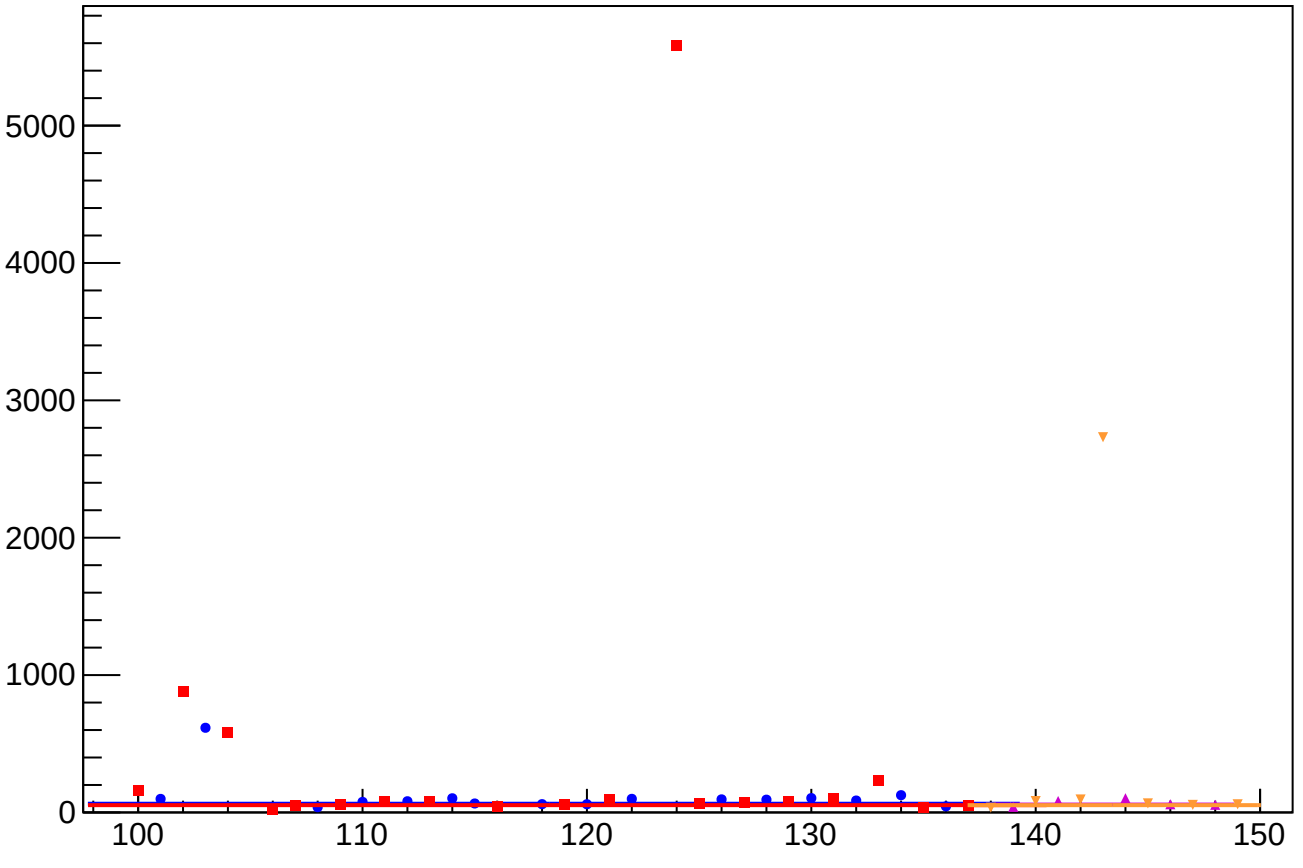
Left: 0.002+/-0.021 χ^2/NDF: 13.3/11

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.031+/-0.019 χ^2/NDF:23.1/25

All: 0.015+/-0.014 χ^2/NDF: 41.1/46



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 53.126+/-0.020 χ^2/NDF:2340082.9/6

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: 55.041+/-0.015 χ^2/NDF: 3087962.3/11

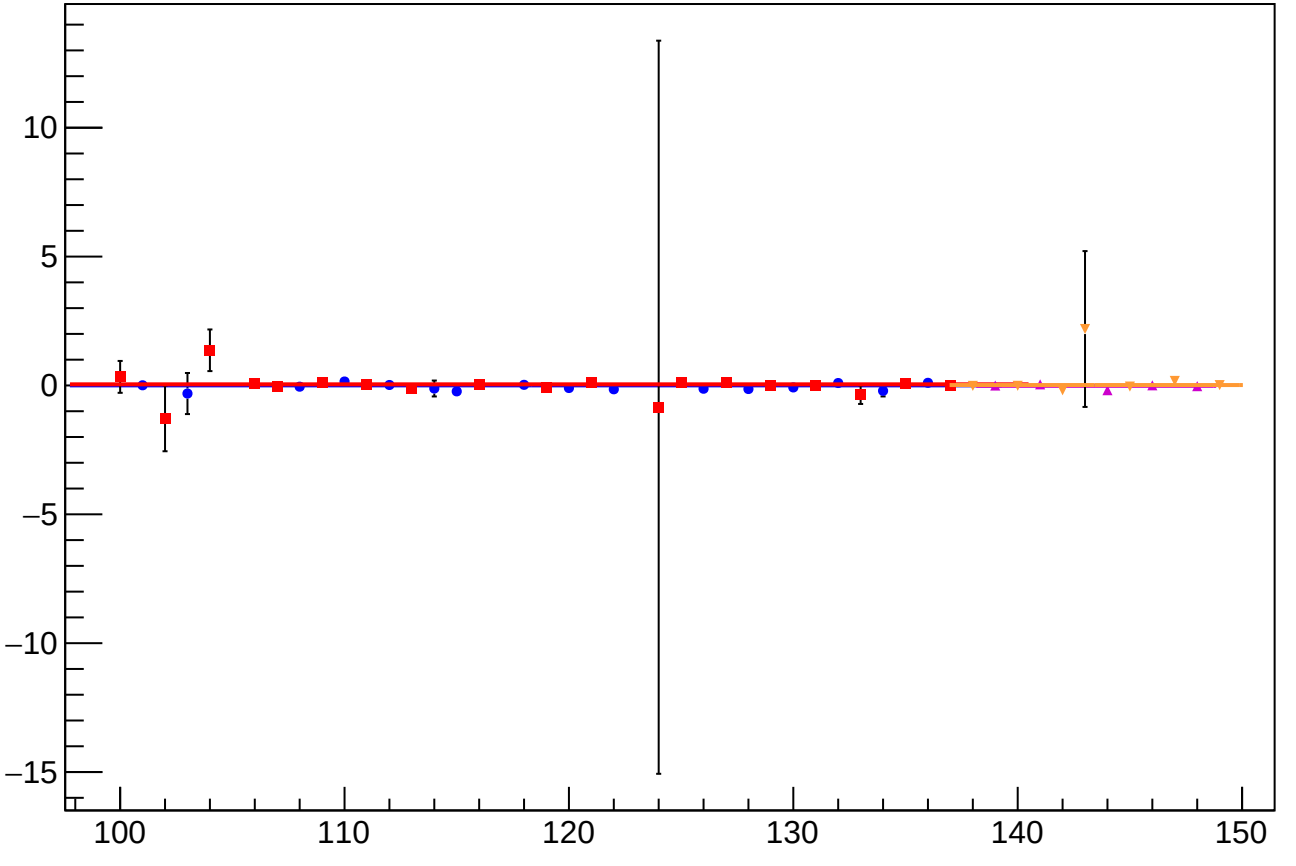
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.785+/-0.014 χ^2/NDF:3215947.7/20

Out: 53.171+/-0.013 χ^2/NDF:6285871.8/25

All: 56.618+/-0.010 χ^2/NDF: 9654611.3/46

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+/-0.028 χ^2/NDF:9.9/6

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

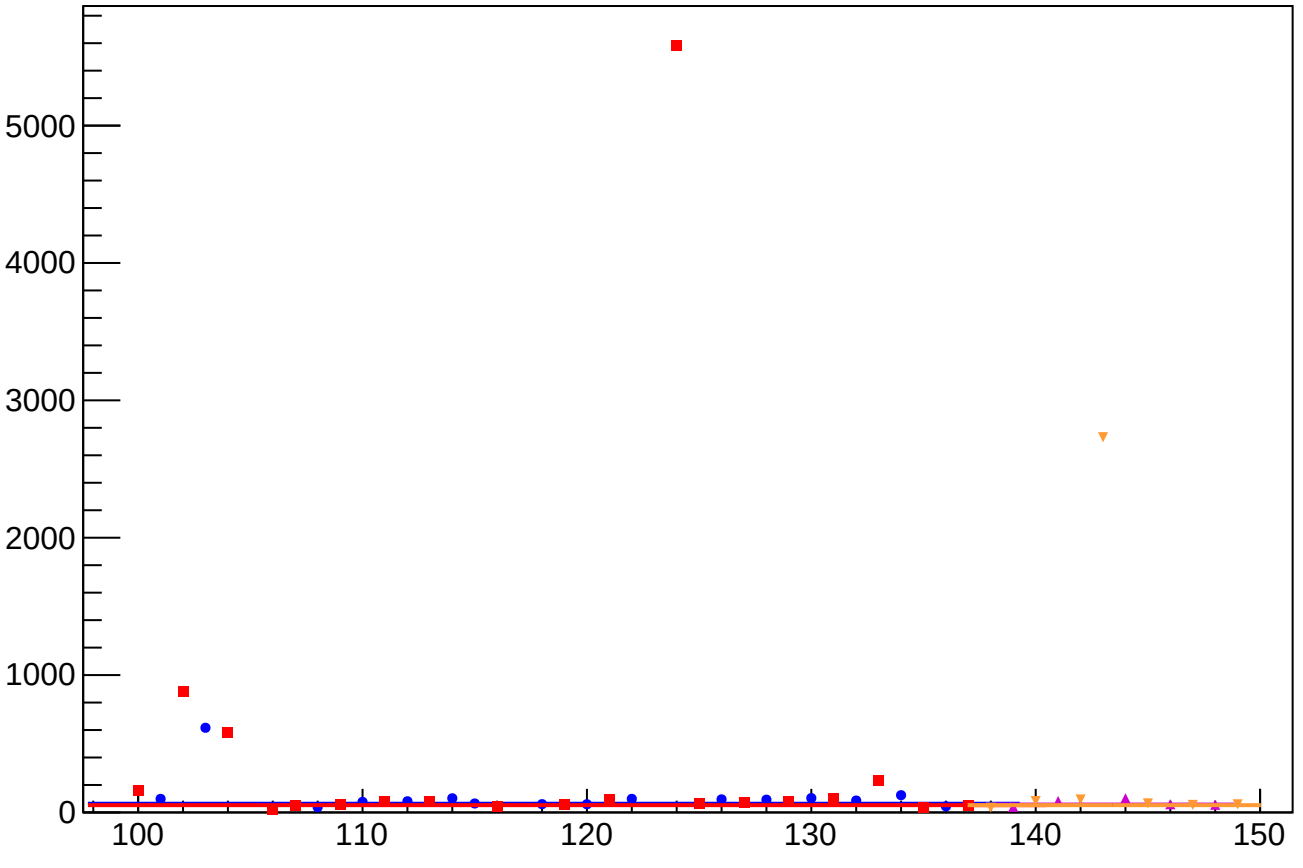
Left: 0.002+/-0.021 χ^2/NDF: 13.3/11

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.031+/-0.019 χ^2/NDF:23.1/25

All: 0.015+/-0.014 χ^2/NDF: 41.1/46



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 53.126+/-0.020 χ^2/NDF:2340082.9/6

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.376+/-0.022 χ^2/NDF:726891.0/4

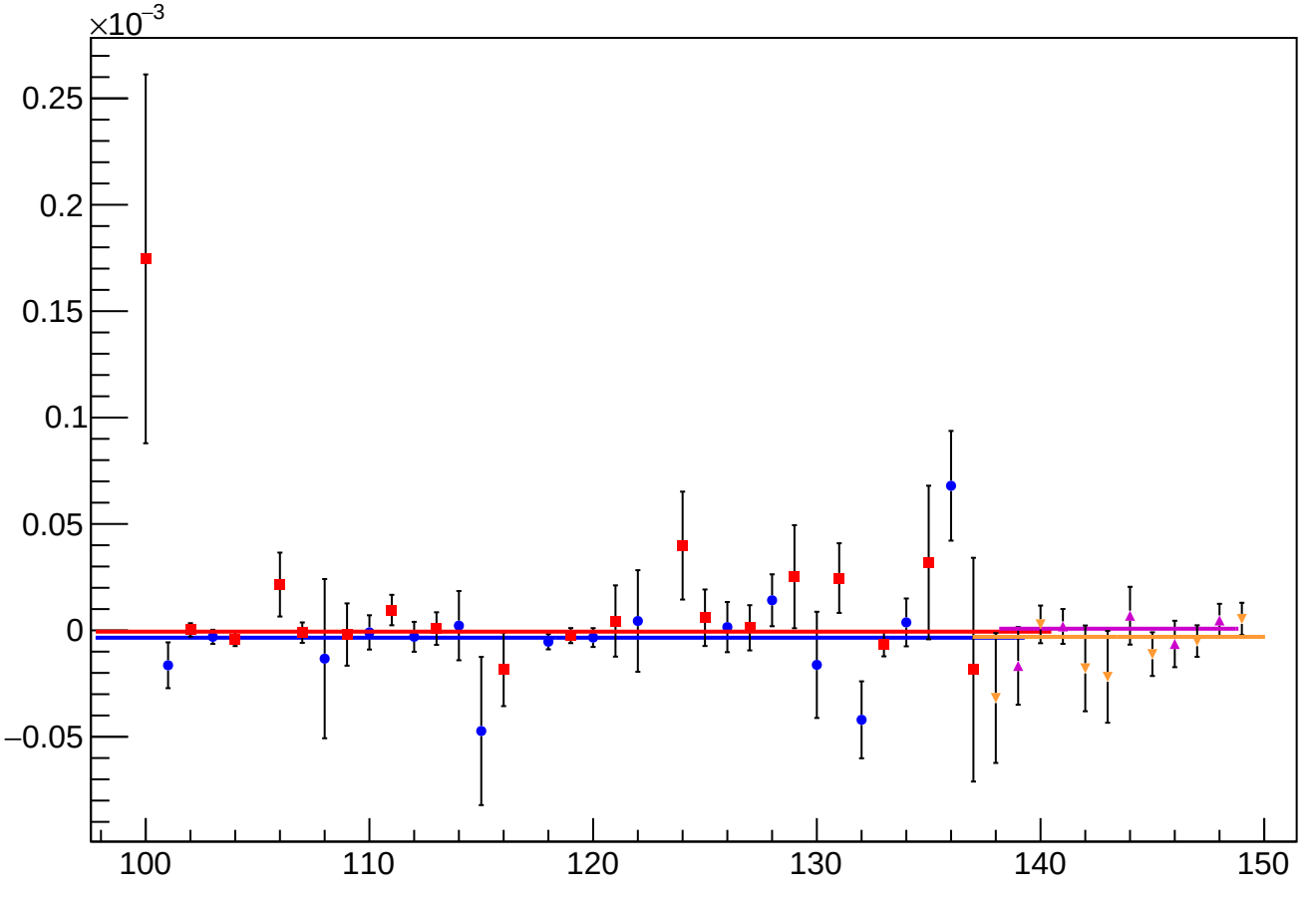
Left: 55.041+/-0.015 χ^2/NDF: 3087962.3/11

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.785+/-0.014 χ^2/NDF:3215947.7/20

Out: 53.171+/-0.013 χ^2/NDF:6285871.8/25

All: 56.618+/-0.010 χ^2/NDF: 9654611.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

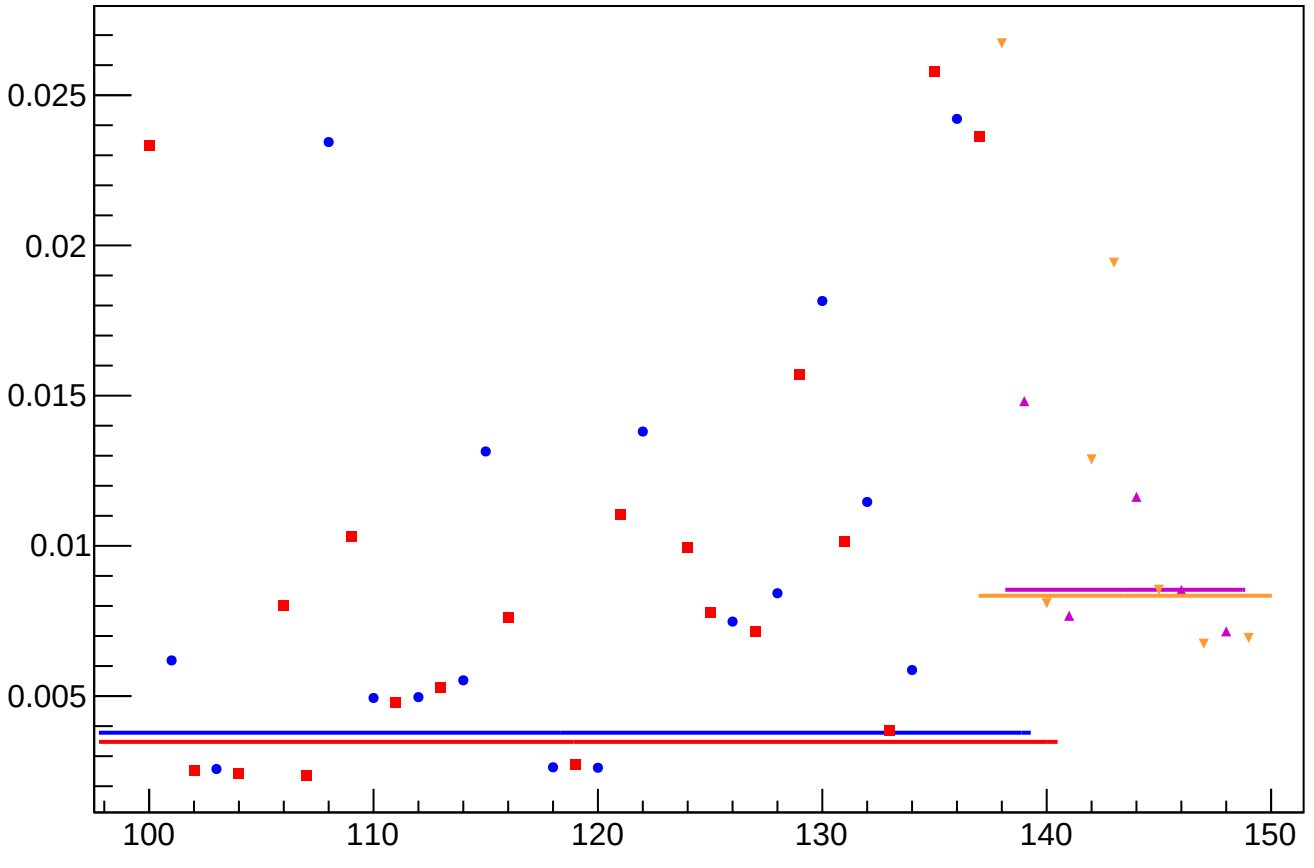
Left: -0.000+/-0.000 χ^2/NDF: 6.8/11

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:24.0/25

All: -0.000+/-0.000 χ^2/NDF: 46.2/46



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1519901.2/6

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: 0.008+/-0.000 χ^2/NDF: 1947268.0/11

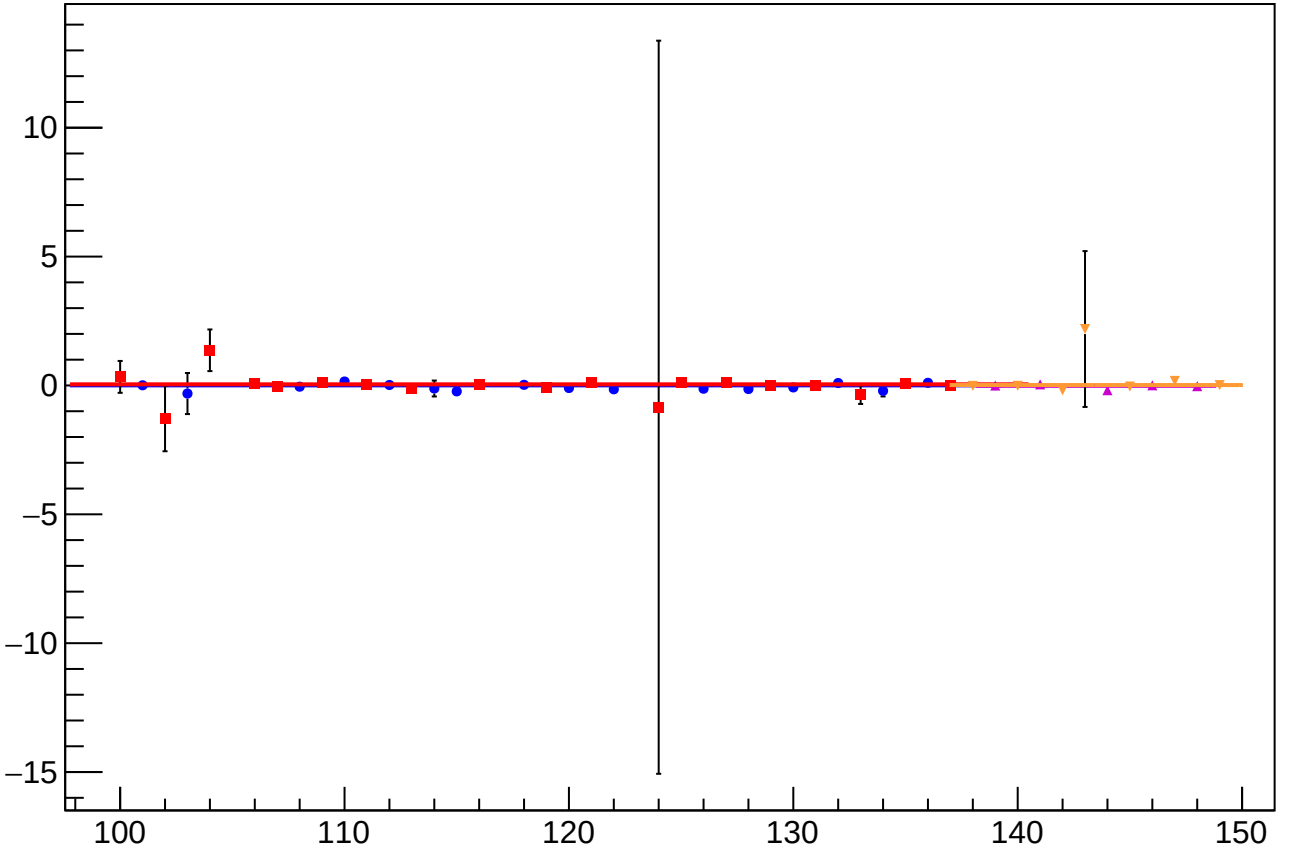
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:7022588.2/20

Out: 0.004+/-0.000 χ^2/NDF:8624266.0/25

All: 0.004+/-0.000 χ^2/NDF: 15689136.4/46

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+/-0.028 χ^2/NDF:9.9/6

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

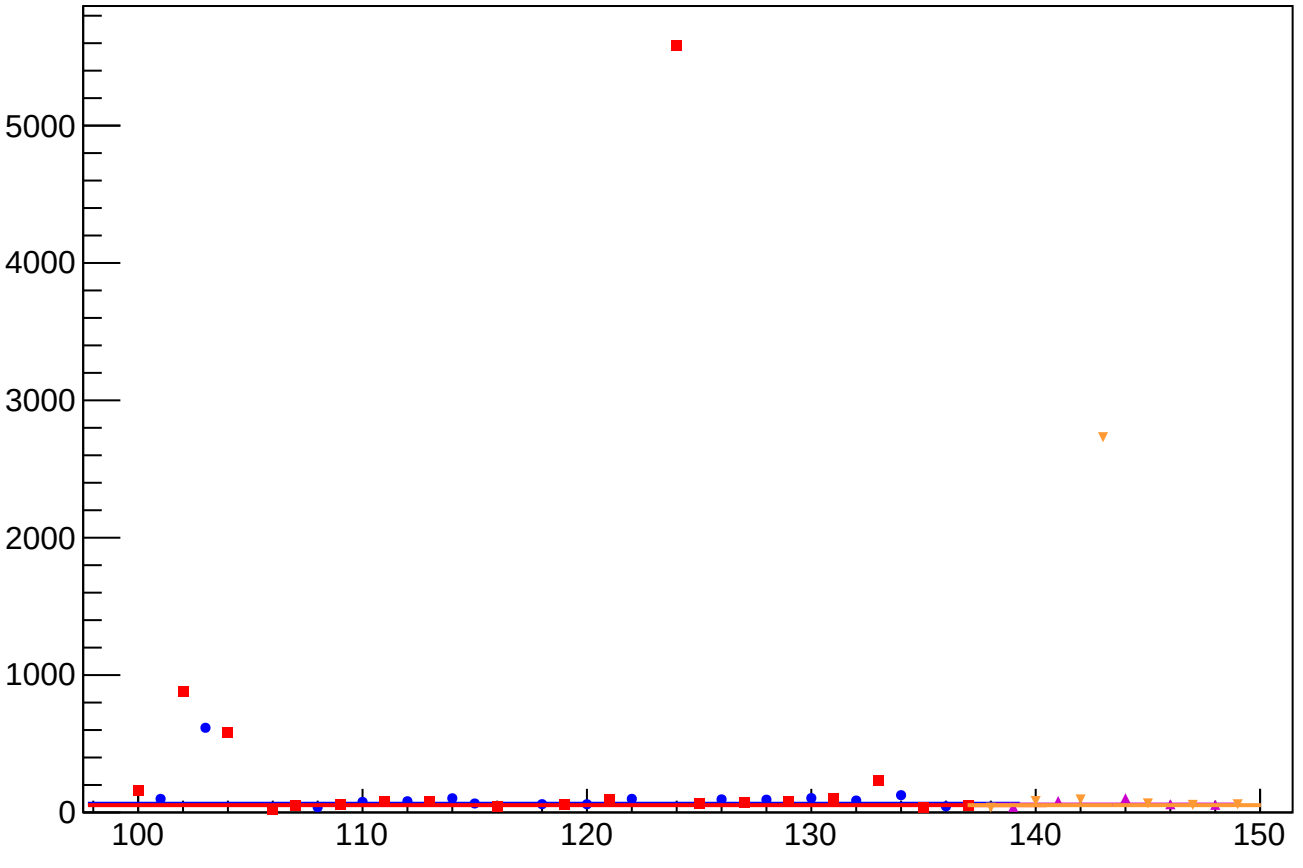
Left: 0.002+/-0.021 χ^2/NDF: 13.3/11

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.031+/-0.019 χ^2/NDF:23.1/25

All: 0.015+/-0.014 χ^2/NDF: 41.1/46



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 53.123+/-0.020 χ^2/NDF:2339980.4/6

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: 55.041+/-0.015 χ^2/NDF: 3087597.6/11

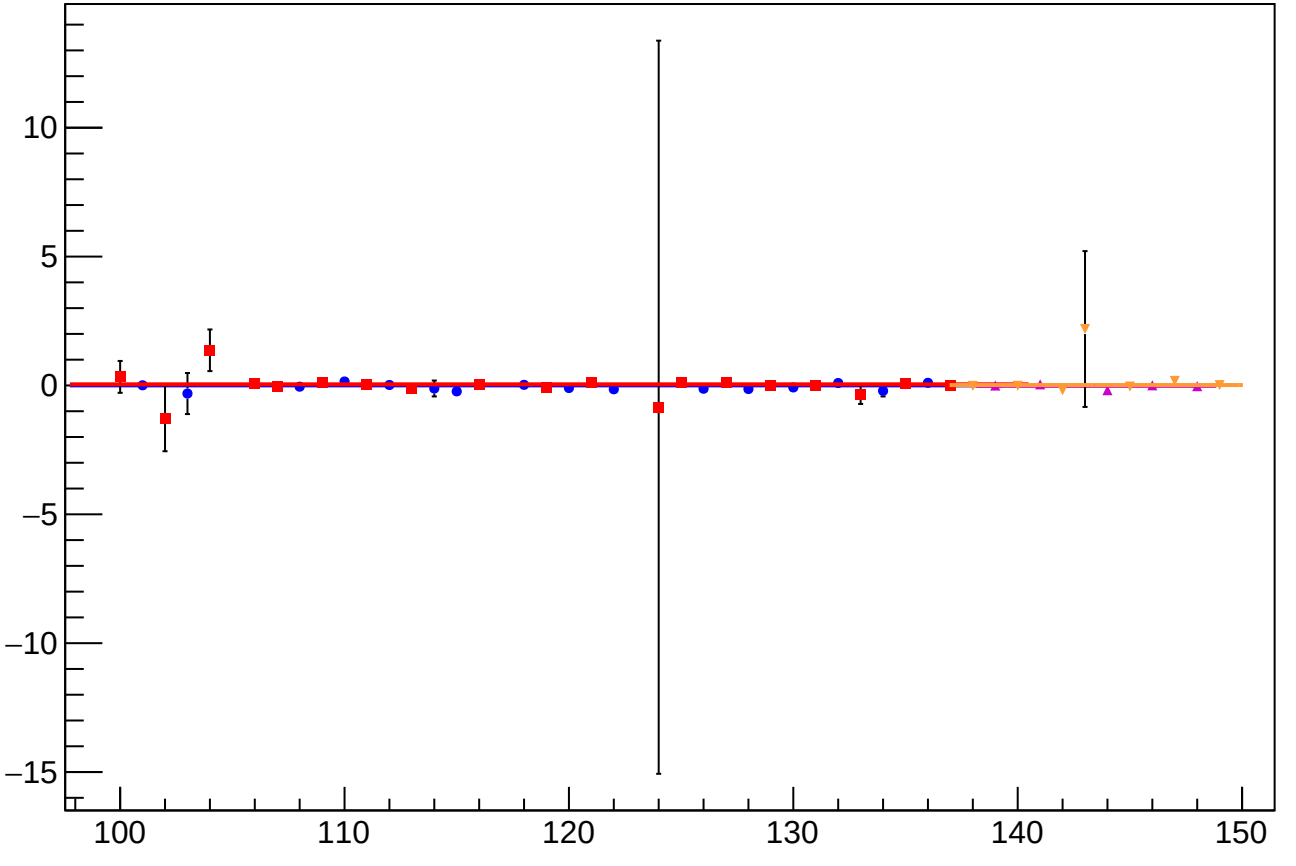
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.792+/-0.014 χ^2/NDF:3214769.9/20

Out: 53.167+/-0.013 χ^2/NDF:6286318.1/25

All: 56.619+/-0.010 χ^2/NDF: 9654310.0/46

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.028 χ^2/NDF:9.9/6

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.015+/-0.031 χ^2/NDF:2.8/4

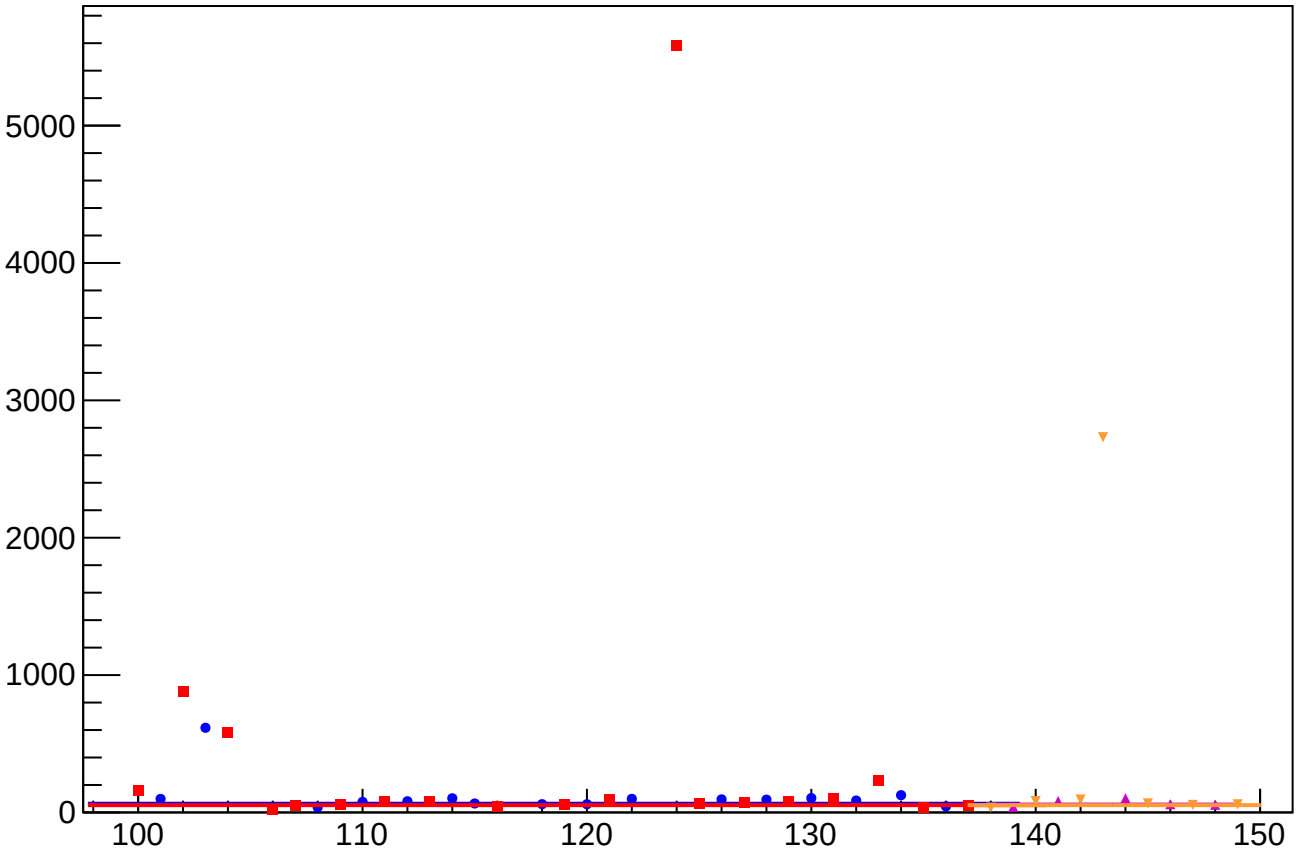
Left: 0.002+/-0.021 χ^2/NDF: 13.3/11

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.005+/-0.020 χ^2/NDF:16.3/20

Out: 0.031+/-0.019 χ^2/NDF:23.1/25

All: 0.015+/-0.014 χ^2/NDF: 41.1/46



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 53.123+/-0.020 χ^2/NDF:2339980.4/6

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.381+/-0.022 χ^2/NDF:726558.0/4

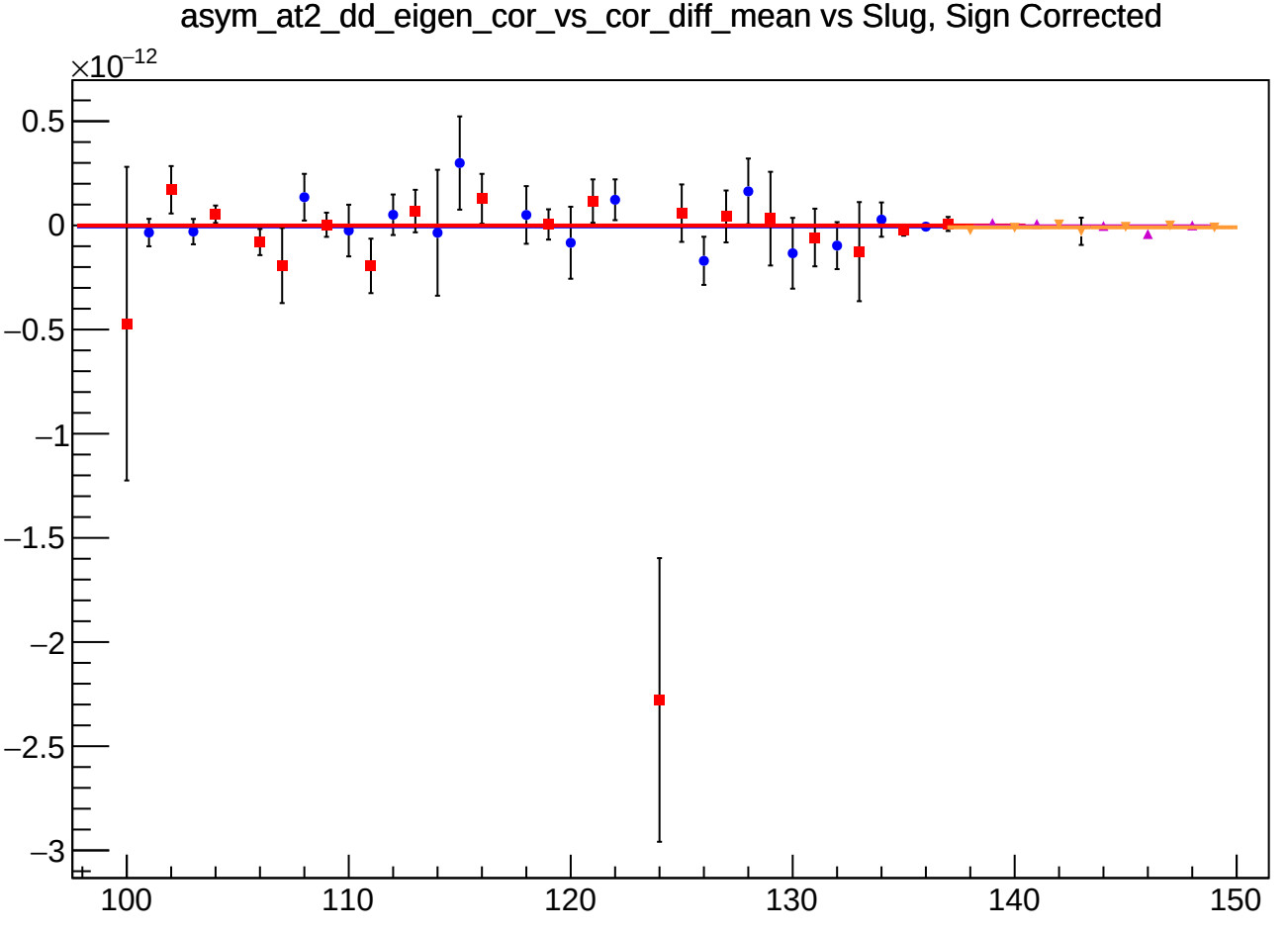
Left: 55.041+/-0.015 χ^2/NDF: 3087597.6/11

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.792+/-0.014 χ^2/NDF:3214769.9/20

Out: 53.167+/-0.013 χ^2/NDF:6286318.1/25

All: 56.619+/-0.010 χ^2/NDF: 9654310.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/4

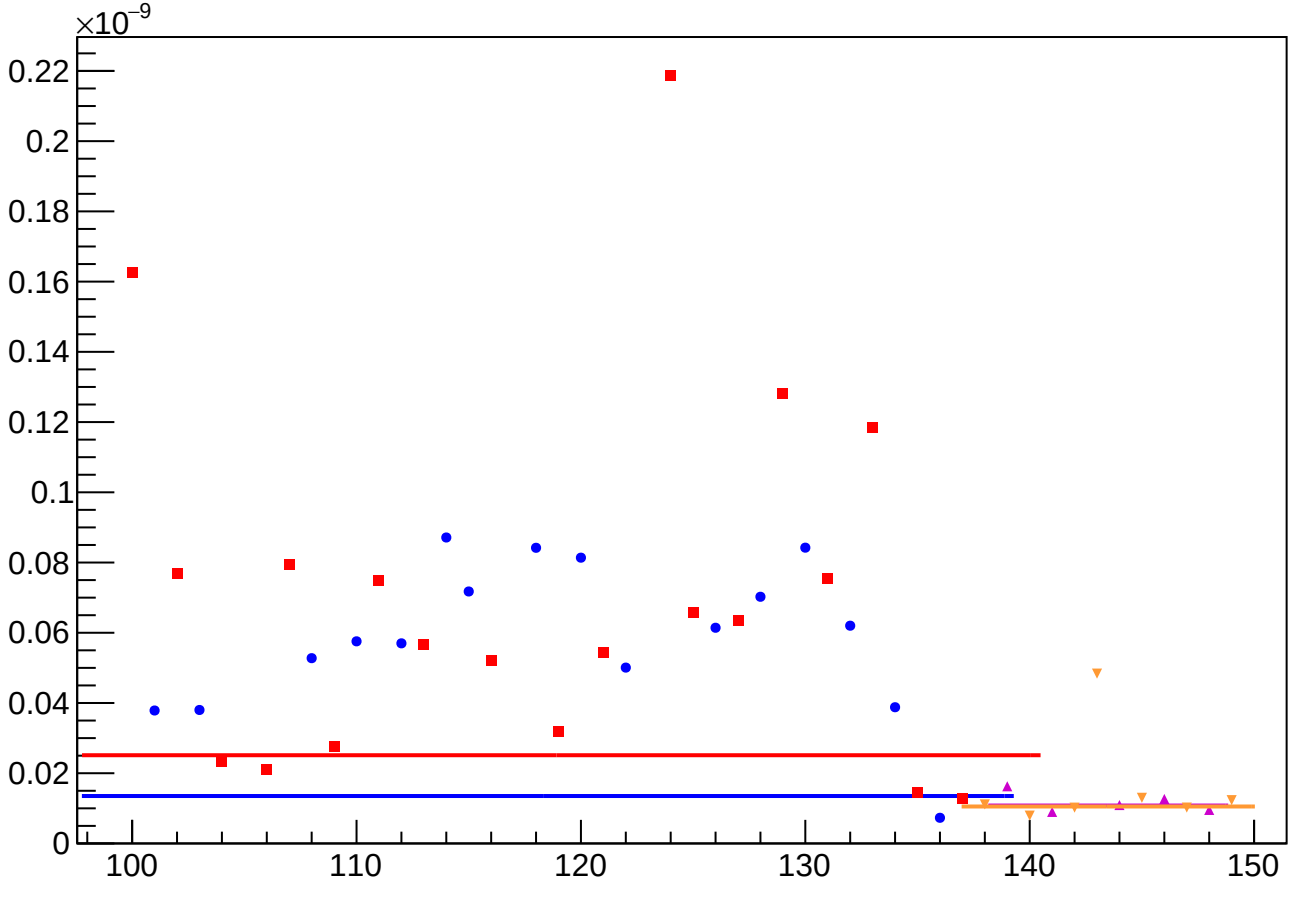
Left: -0.000+/-0.000 χ^2/NDF: 9.2/11

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:27.3/25

All: -0.000+/-0.000 χ^2/NDF: 45.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:869110.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:213663.9/4

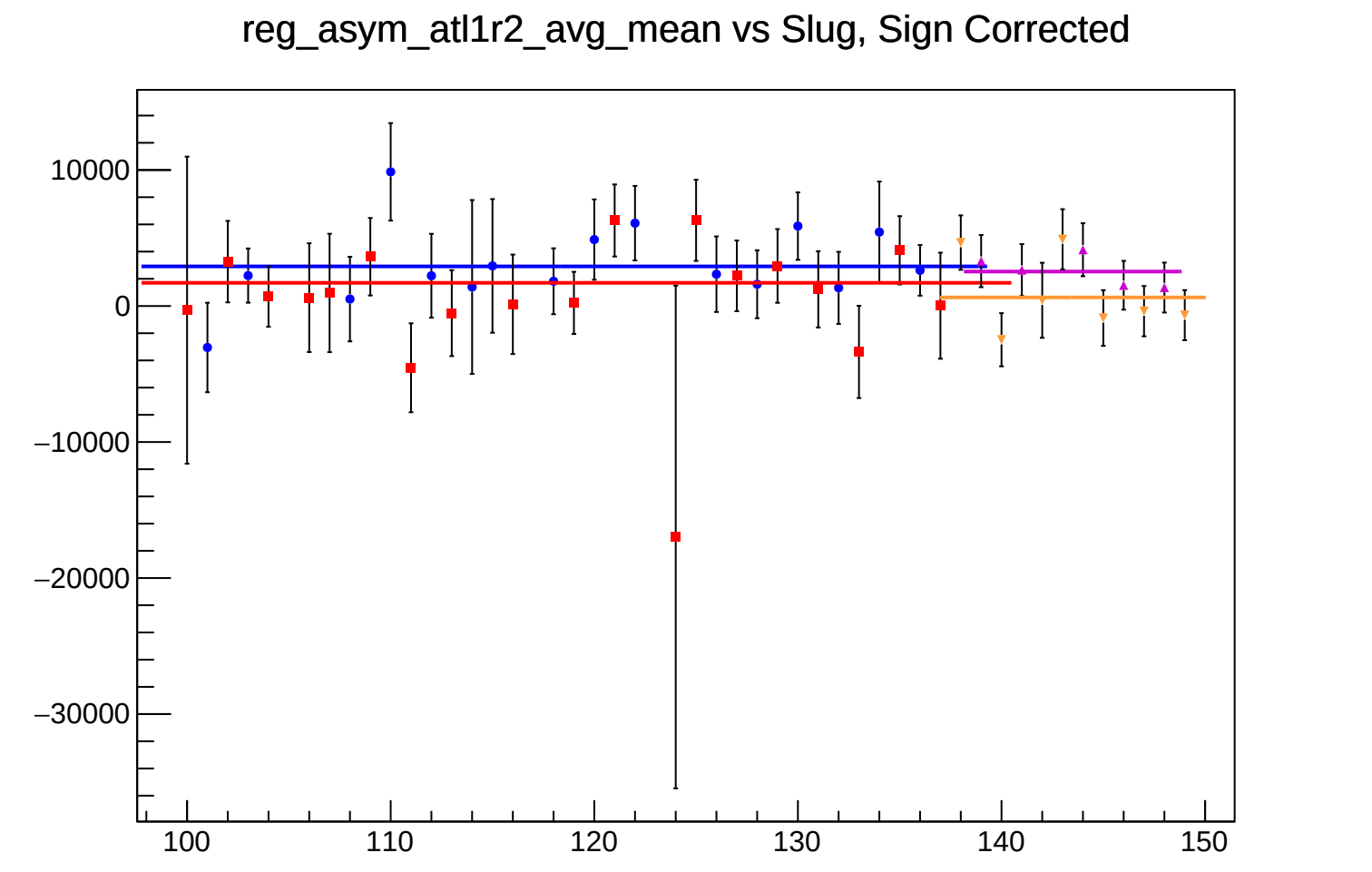
Left: 0.000+/-0.000 χ^2/NDF: 1084717.2/11

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:6080261.9/25

All: 0.000+/-0.000 χ^2/NDF: 11412332.9/46



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 629.811+/-773.145 χ^2/NDF:11.7/6

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: 1503.781+/-568.717 χ^2/NDF: 16.0/11

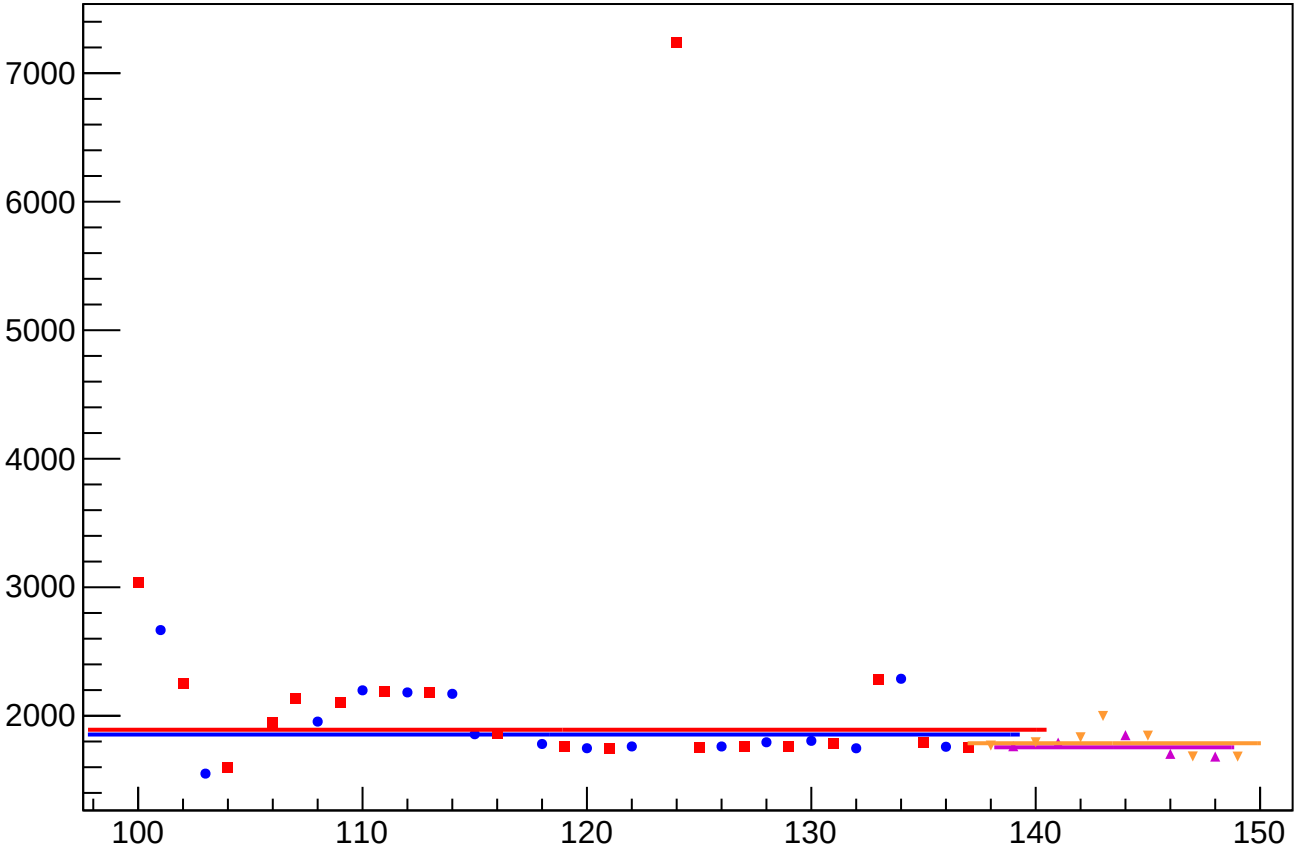
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2758.964+/-535.382 χ^2/NDF:14.1/20

Out: 1215.422+/-521.683 χ^2/NDF:28.6/25

All: 1967.192+/-373.635 χ^2/NDF: 47.0/46

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1786.539+/-0.547 χ^2/NDF:33351.9/6

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

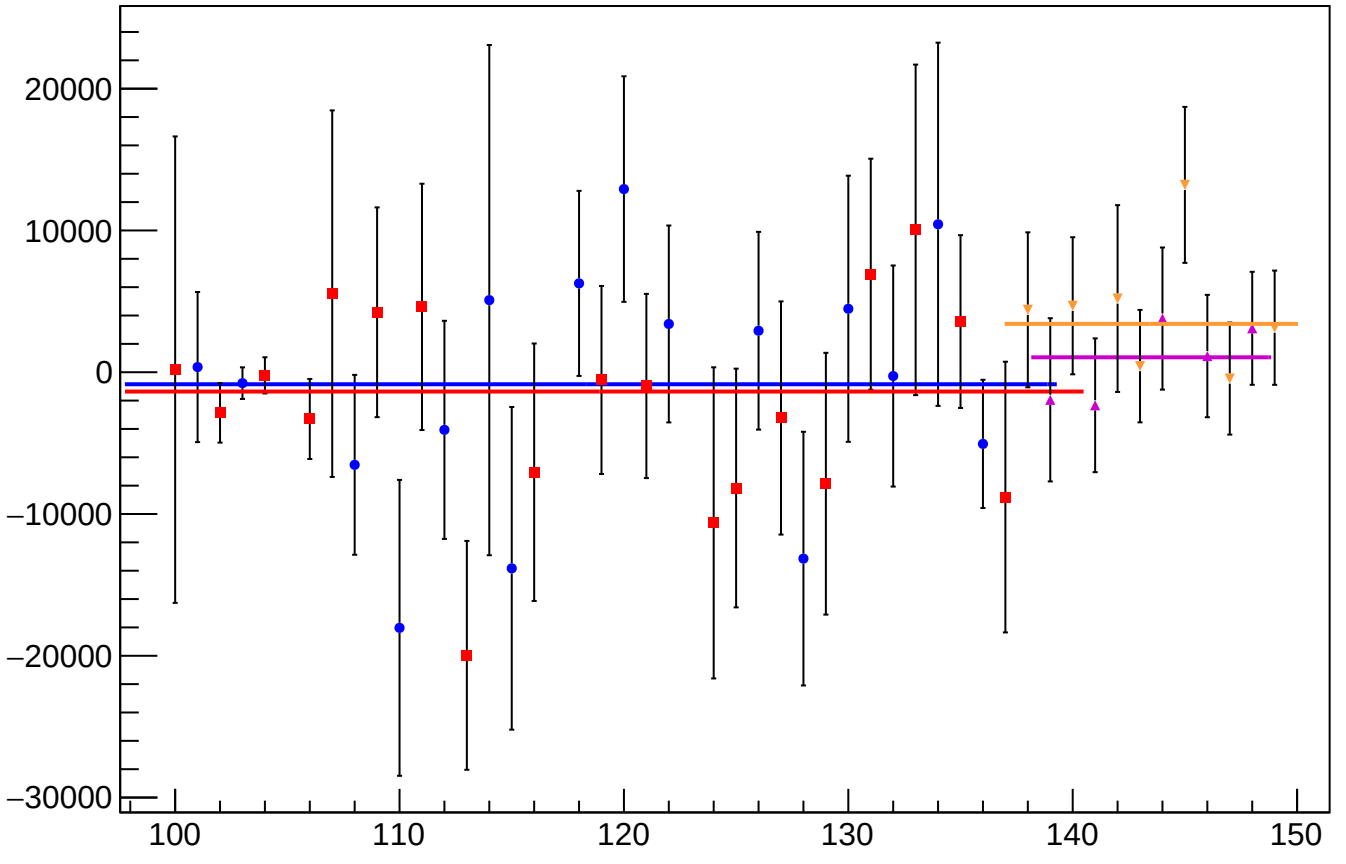
Left: 1772.045+/-0.402 χ^2/NDF: 45057.0/11

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1813.905+/-0.379 χ^2/NDF:290117.0/20

Out: 1843.816+/-0.368 χ^2/NDF:417511.3/25

All: 1829.267+/-0.264 χ^2/NDF: 710834.3/46



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 3410.989+/-1763.510 χ^2/NDF:4.9/6

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 1052.512+/-2078.128 χ^2/NDF:1.3/4

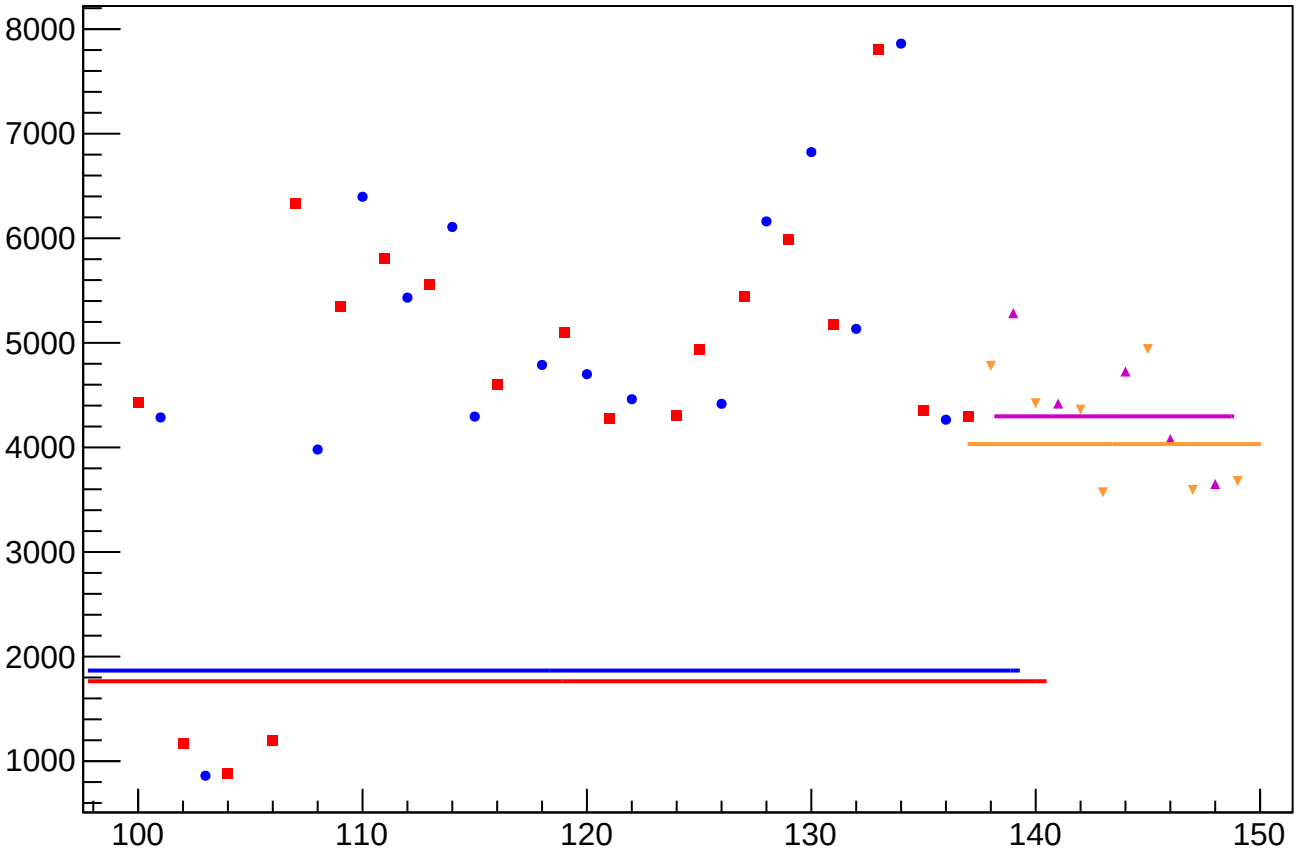
Left: 2423.615+/-1344.613 χ^2/NDF: 7.0/11

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -512.060+/-873.686 χ^2/NDF:15.9/20

Out: -347.630+/-812.831 χ^2/NDF:24.7/25

All: -423.920+/-595.110 χ^2/NDF: 40.6/46



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4032.277+/-1.247 χ^2/NDF:177131.4/6

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4297.248+/-1.469 χ^2/NDF:132512.6/4

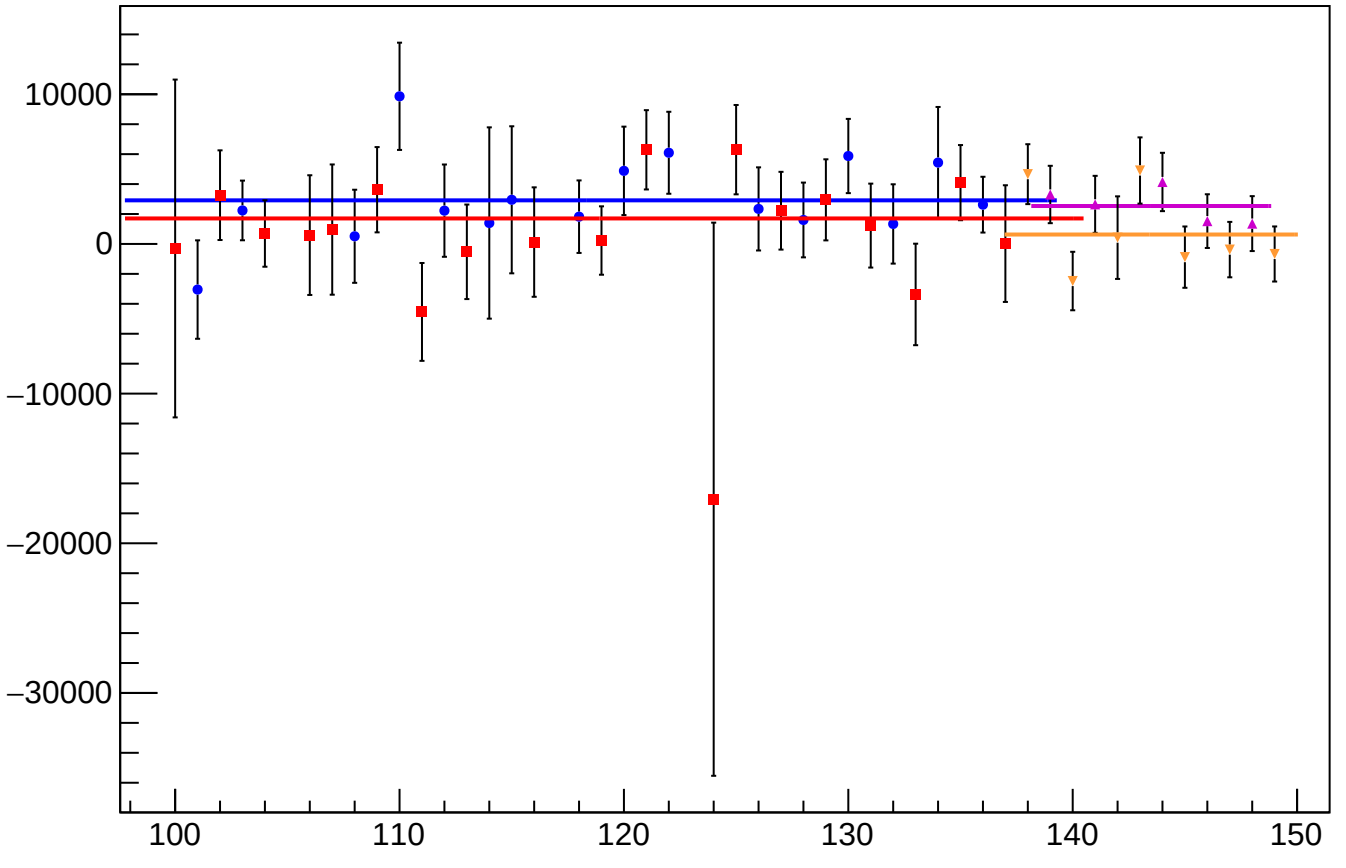
Left: 4143.207+/-0.951 χ^2/NDF: 328546.5/11

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2296.063+/-0.618 χ^2/NDF:9234986.8/20

Out: 2246.104+/-0.575 χ^2/NDF:9217131.5/25

All: 2269.283+/-0.421 χ^2/NDF: 18455623.7/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 629.696+/-773.145 χ^2/NDF:11.7/6

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: 1503.886+/-568.717 χ^2/NDF: 16.0/11

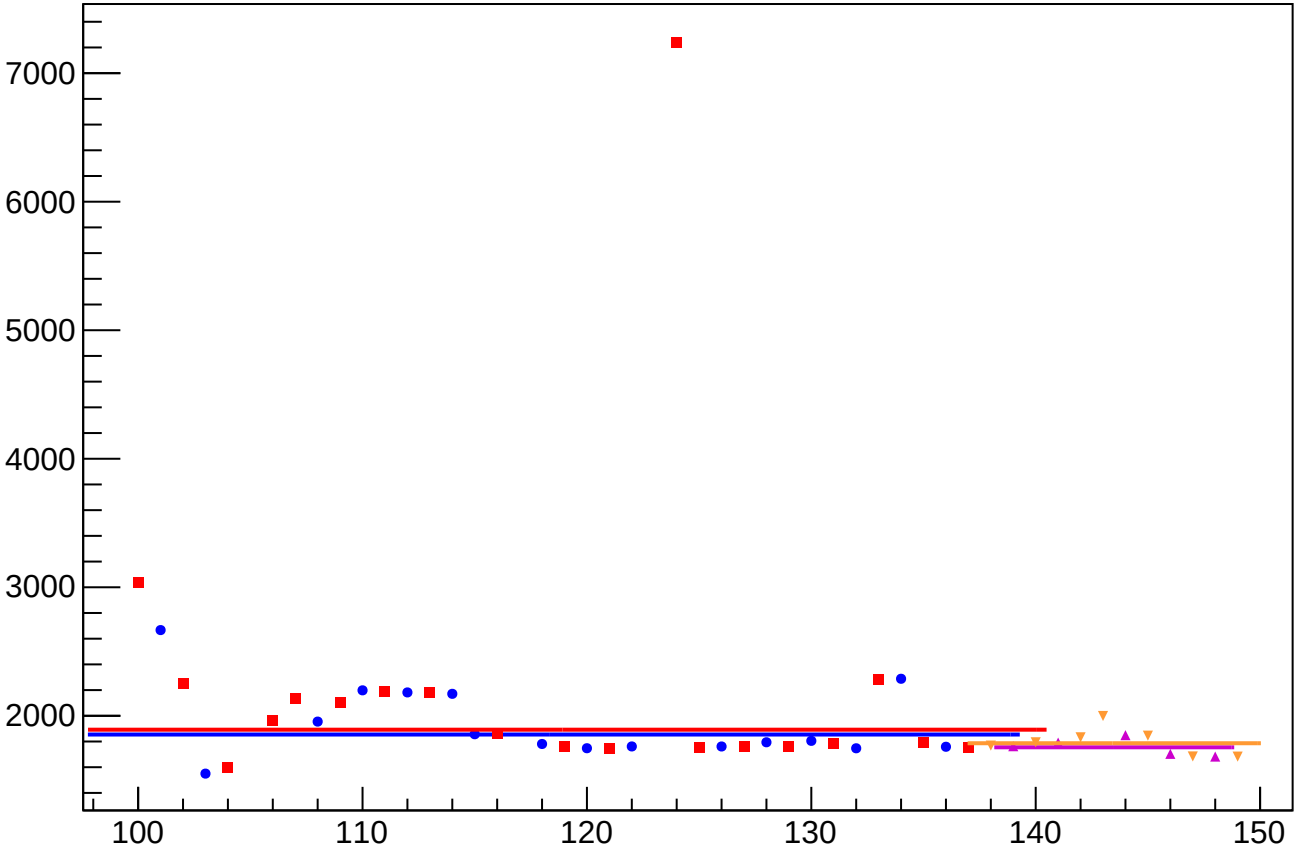
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2759.171+/-535.382 χ^2/NDF:14.1/20

Out: 1214.617+/-521.683 χ^2/NDF:28.6/25

All: 1966.880+/-373.635 χ^2/NDF: 47.0/46

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1786.539+/-0.547 χ^2/NDF:33351.9/6

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

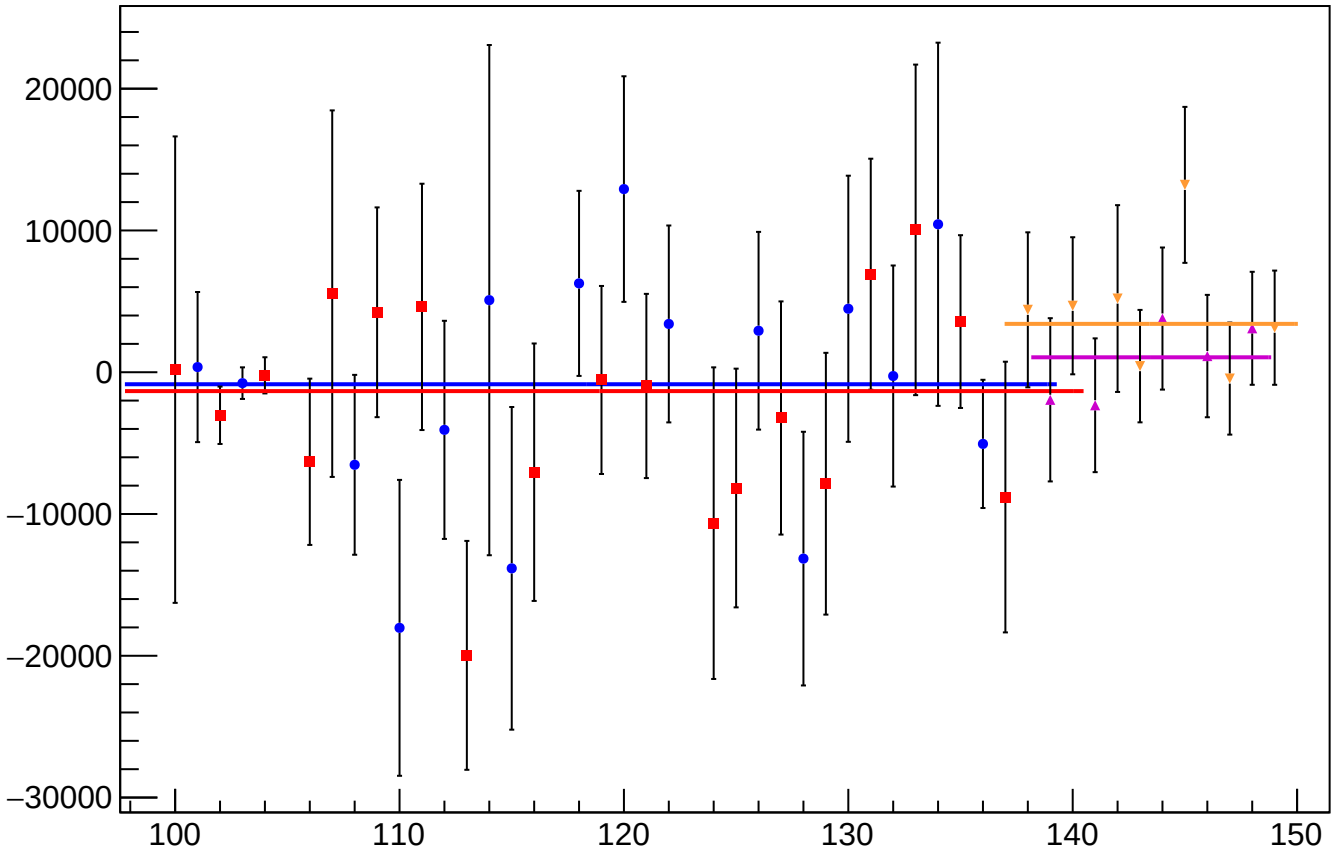
Left: 1772.045+/-0.402 χ^2/NDF: 45056.9/11

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1813.906+/-0.379 χ^2/NDF:290116.9/20

Out: 1844.054+/-0.368 χ^2/NDF:417924.7/25

All: 1829.388+/-0.264 χ^2/NDF: 711298.5/46



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3410.877+/-1763.505 χ^2/NDF:4.9/6

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1052.701+/-2078.125 χ^2/NDF:1.3/4

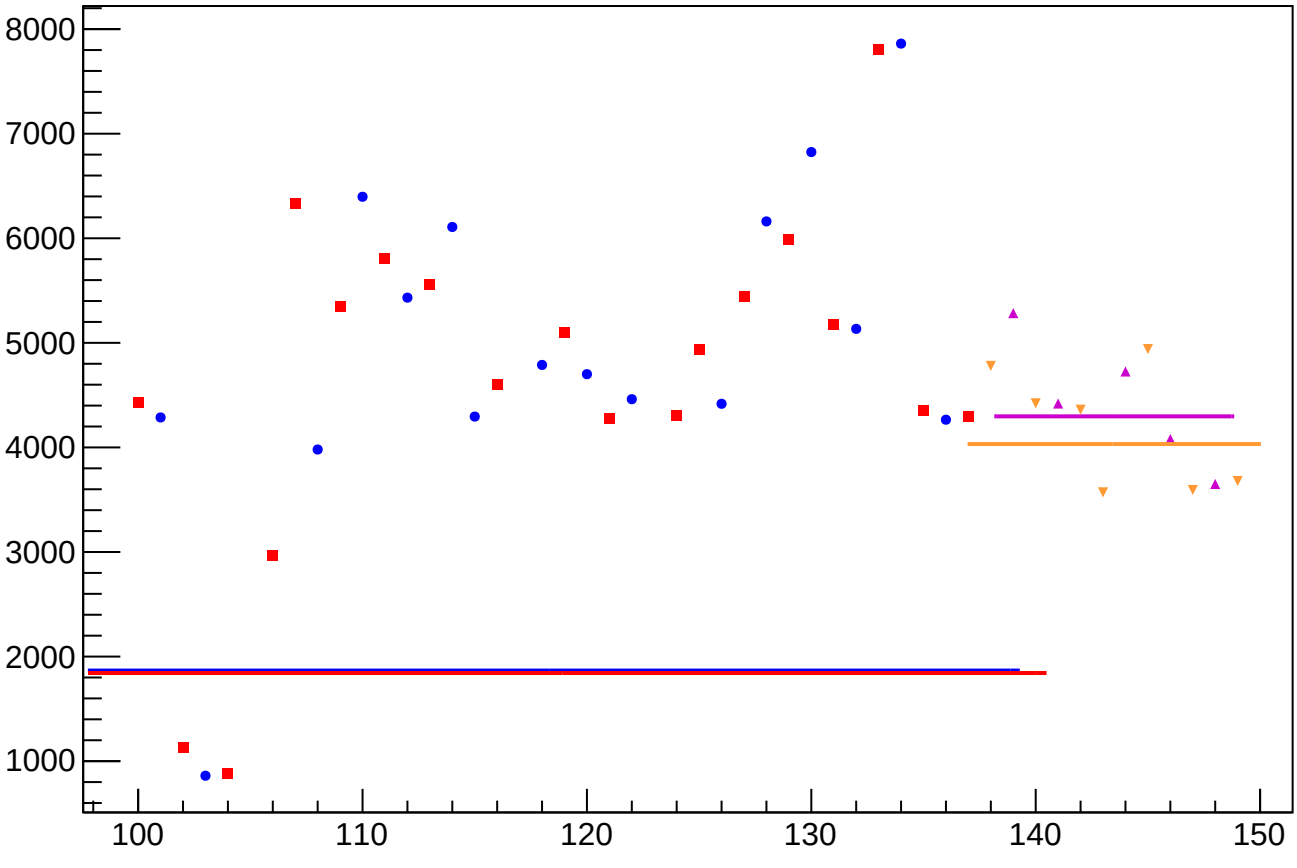
Left: 2423.630+/-1344.610 χ^2/NDF: 7.0/11

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -511.667+/-873.646 χ^2/NDF:15.9/20

Out: -267.919+/-835.110 χ^2/NDF:24.9/25

All: -384.299+/-603.676 χ^2/NDF: 40.9/46



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4032.266+/-1.247 χ^2/NDF:177133.1/6

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4297.240+/-1.469 χ^2/NDF:132514.5/4

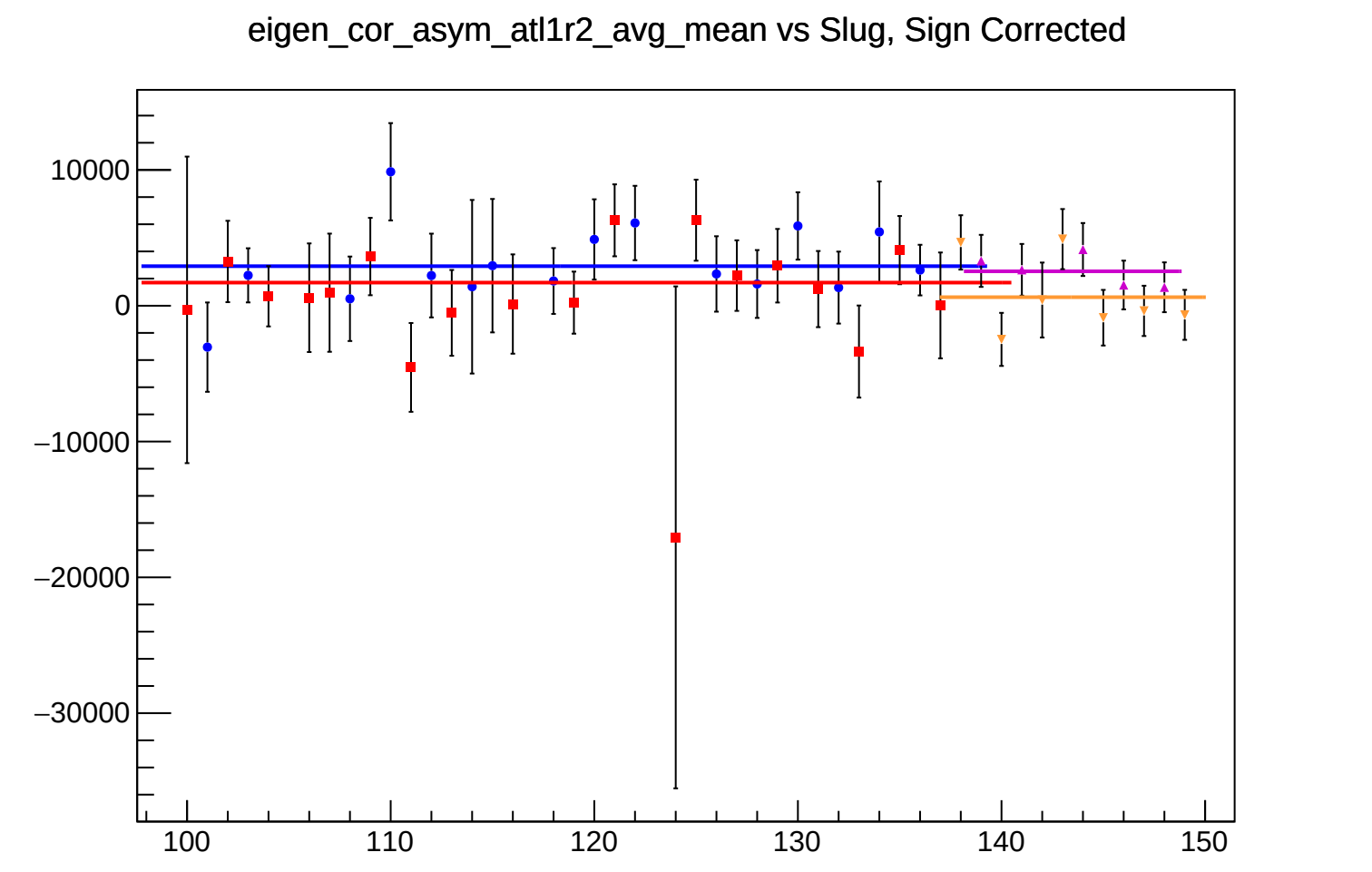
Left: 4143.197+/-0.951 χ^2/NDF: 328550.6/11

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2295.897+/-0.618 χ^2/NDF:9235731.3/20

Out: 2333.853+/-0.591 χ^2/NDF:9026931.5/25

All: 2315.730+/-0.427 χ^2/NDF: 18264635.4/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 629.696+/-773.145 χ^2/NDF:11.7/6

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2534.623+/-839.522 χ^2/NDF:1.6/4

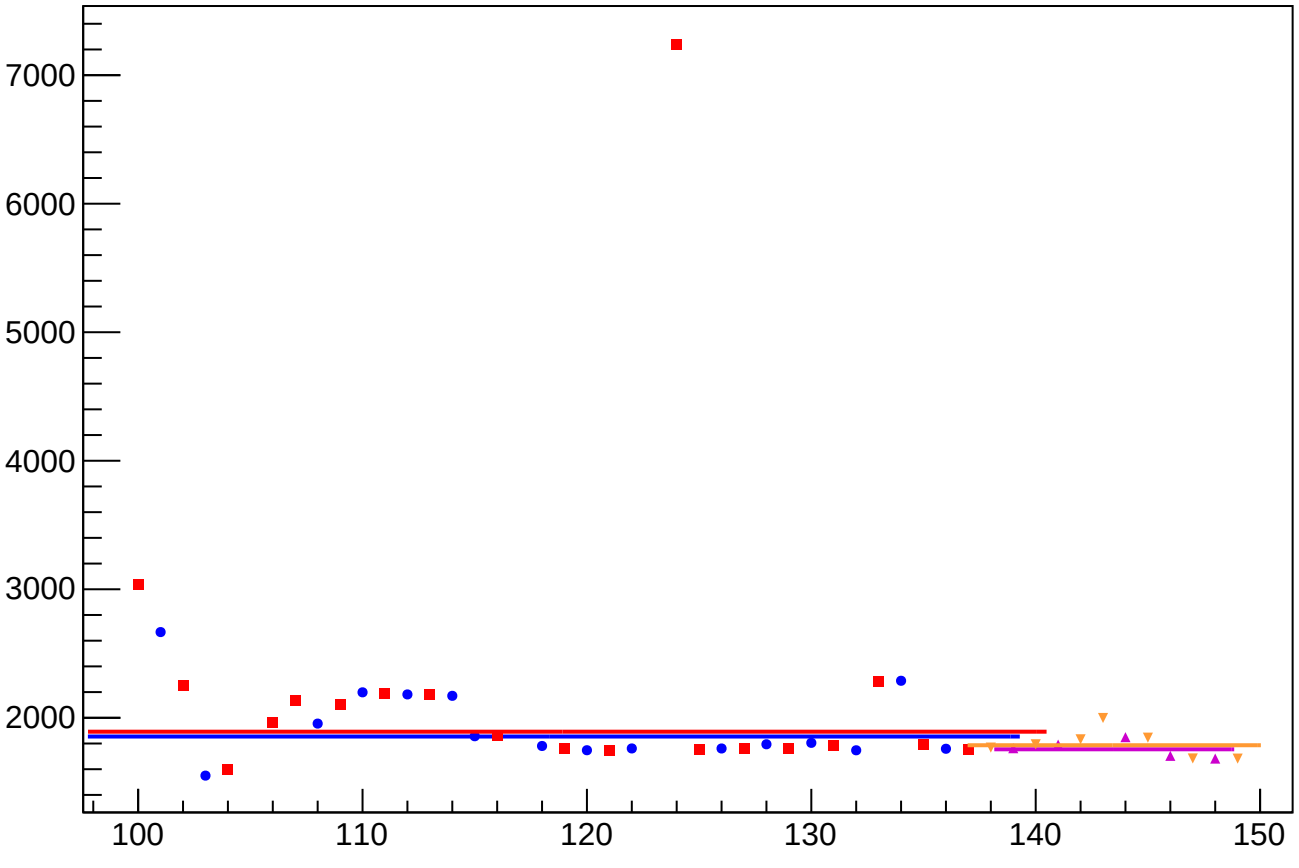
Left: 1503.886+/-568.717 χ^2/NDF: 16.0/11

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2759.171+/-535.382 χ^2/NDF:14.1/20

Out: 1214.617+/-521.683 χ^2/NDF:28.6/25

All: 1966.880+/-373.635 χ^2/NDF: 47.0/46



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1786.539+/-0.547 χ^2/NDF:33351.9/6

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1754.955+/-0.594 χ^2/NDF:10173.4/4

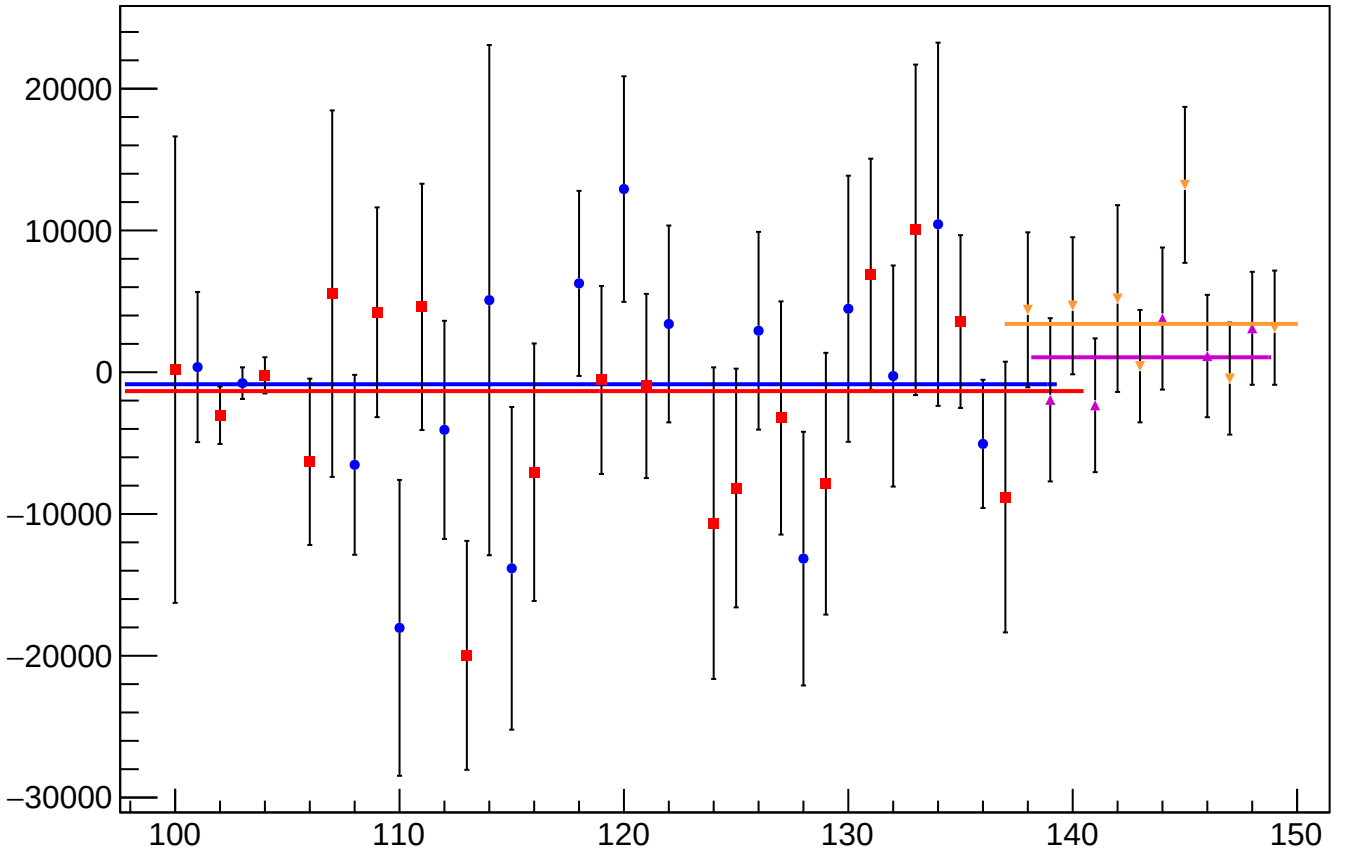
Left: 1772.045+/-0.402 χ^2/NDF: 45056.9/11

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1813.906+/-0.379 χ^2/NDF:290116.9/20

Out: 1844.054+/-0.368 χ^2/NDF:417924.7/25

All: 1829.388+/-0.264 χ^2/NDF: 711298.5/46



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3410.877+/-1763.505 χ^2/NDF:4.9/6

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 1052.701+/-2078.125 χ^2/NDF:1.3/4

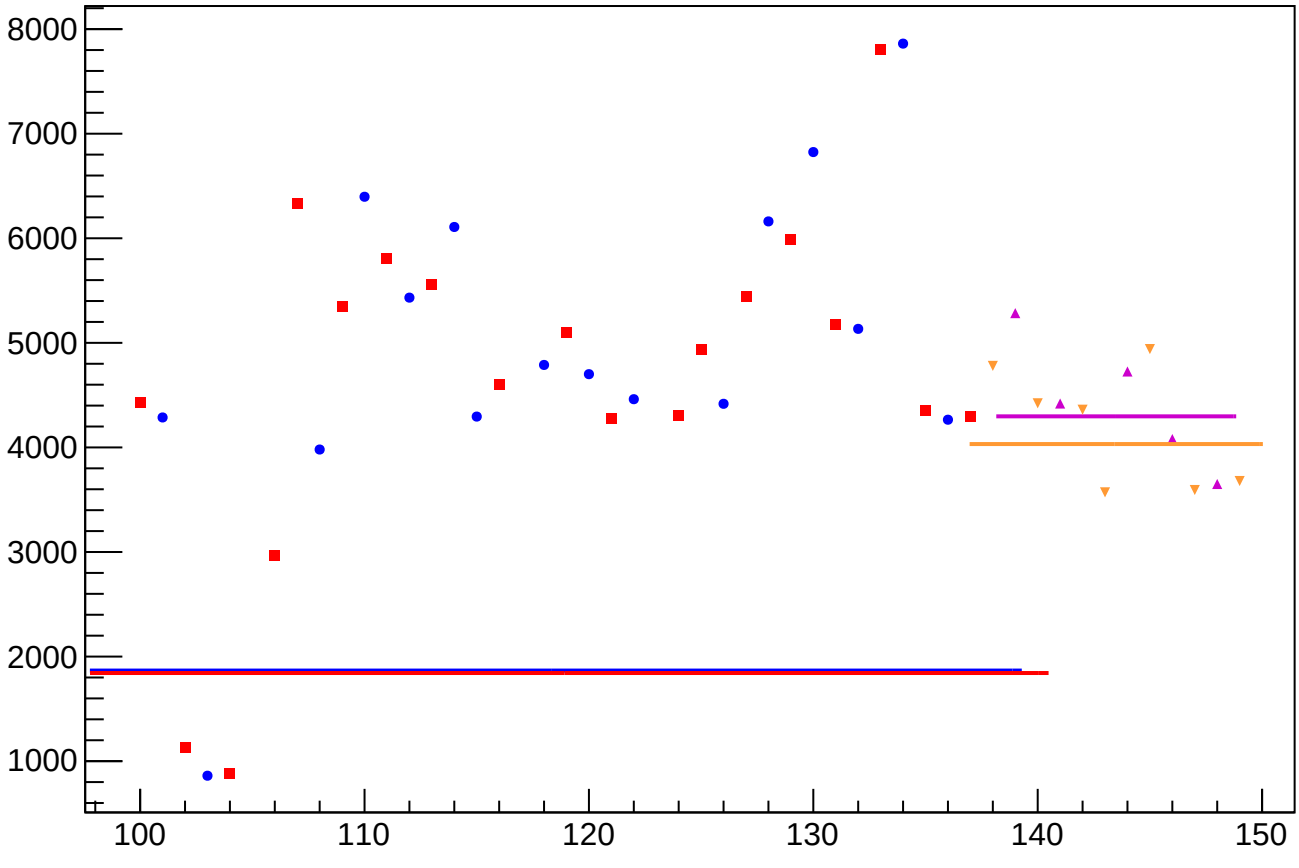
Left: 2423.630+/-1344.610 χ^2/NDF: 7.0/11

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -511.667+/-873.646 χ^2/NDF:15.9/20

Out: -267.919+/-835.110 χ^2/NDF:24.9/25

All: -384.299+/-603.676 χ^2/NDF: 40.9/46



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4032.266+/-1.247 χ^2/NDF:177133.1/6

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: 4143.197+/-0.951 χ^2/NDF: 328550.6/11

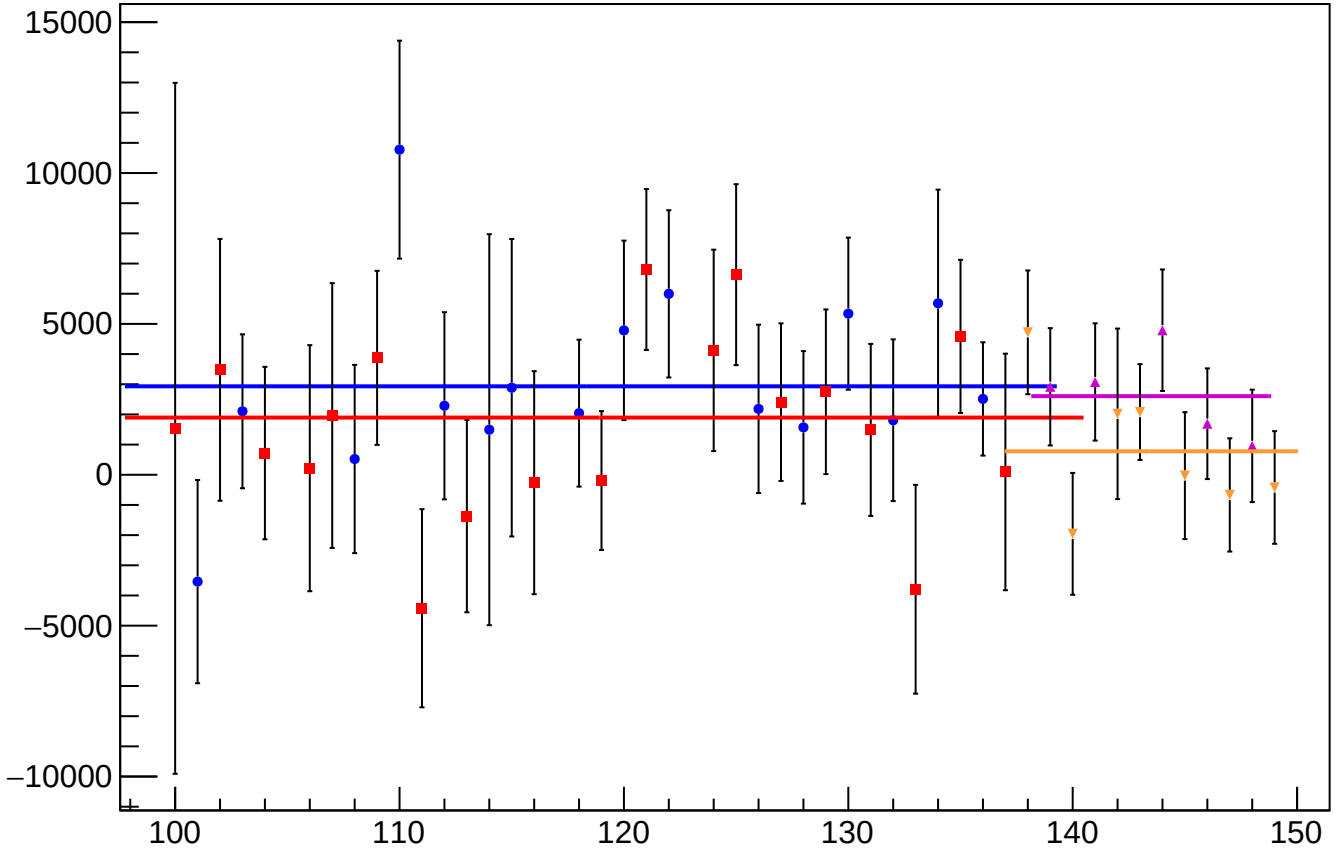
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2295.897+/-0.618 χ^2/NDF:9235731.3/20

Out: 2333.853+/-0.591 χ^2/NDF:9026931.5/25

All: 2315.730+/-0.427 χ^2/NDF: 18264635.4/4

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 778.645+/-744.937 χ^2/NDF:7.5/6

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: 1564.876+/-562.209 χ^2/NDF: 12.4/11

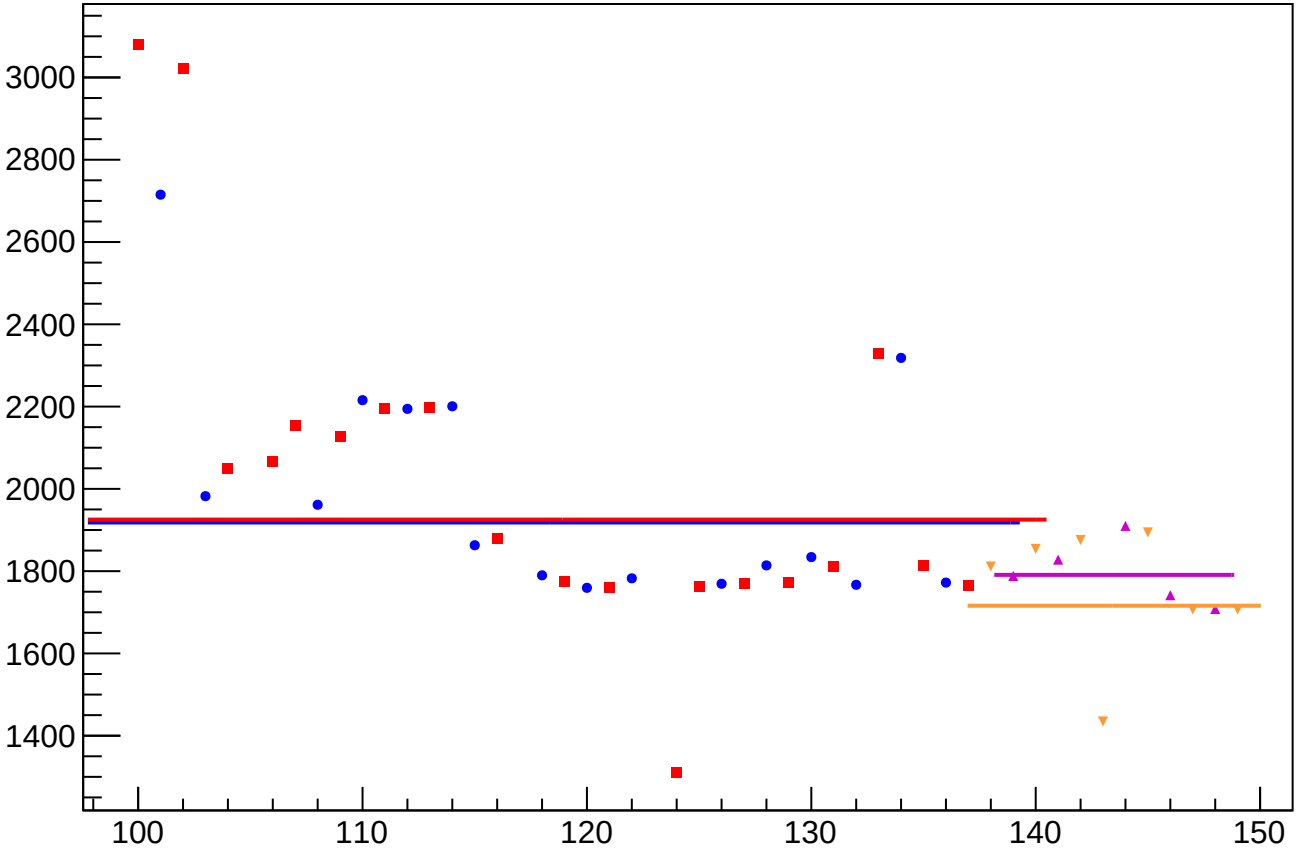
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2797.005+/-550.493 χ^2/NDF:15.4/20

Out: 1354.569+/-518.433 χ^2/NDF:26.1/25

All: 2032.564+/-377.413 χ^2/NDF: 45.1/46

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1715.986+/-0.527 χ^2/NDF:97318.4/6

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1790.948+/-0.606 χ^2/NDF:13138.2/4

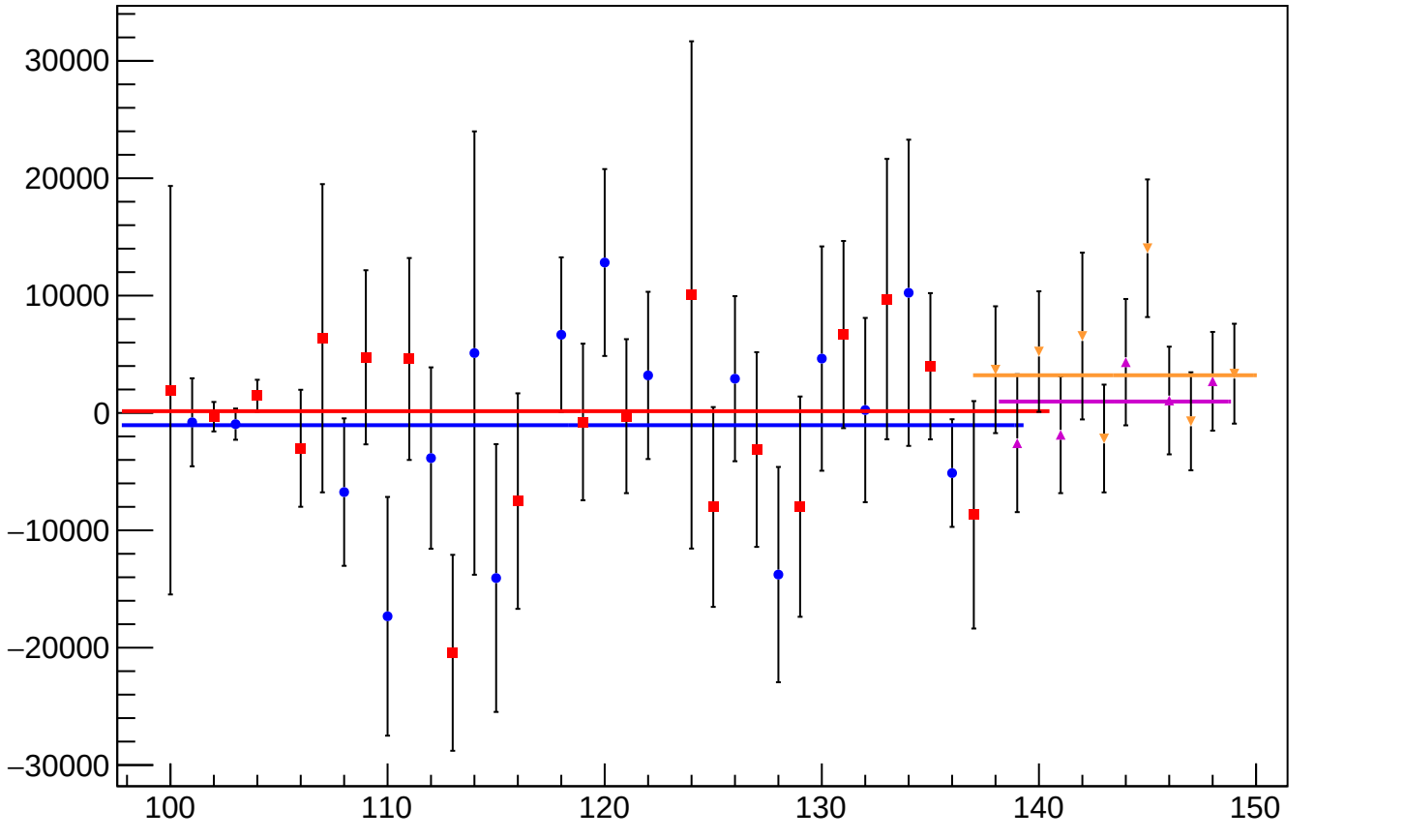
Left: 1748.251+/-0.398 χ^2/NDF: 119173.5/11

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1865.786+/-0.389 χ^2/NDF:254701.3/20

Out: 1823.987+/-0.366 χ^2/NDF:517871.4/25

All: 1843.625+/-0.267 χ^2/NDF: 778686.1/46



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 3214.227+/-1886.279 χ^2/NDF:6.1/6

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 974.307+/-2192.912 χ^2/NDF:1.2/4

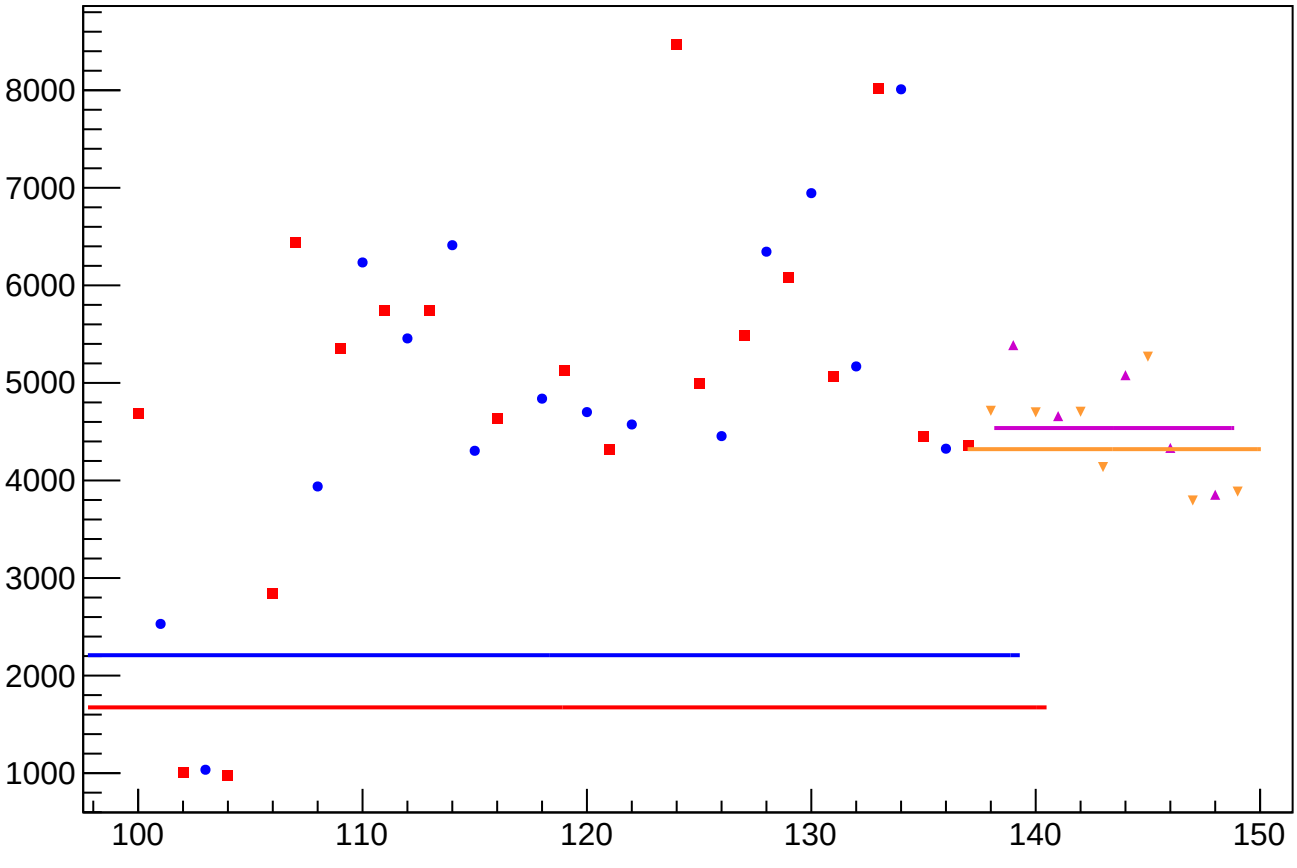
Left: 2261.696+/-1430.028 χ^2/NDF: 7.9/11

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -652.784+/-963.378 χ^2/NDF:15.8/20

Out: 655.757+/-764.036 χ^2/NDF:22.0/25

All: 150.507+/-598.627 χ^2/NDF: 38.9/46



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4321.030+/-1.334 χ^2/NDF:135317.1/6

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4537.400+/-1.551 χ^2/NDF:120172.4/4

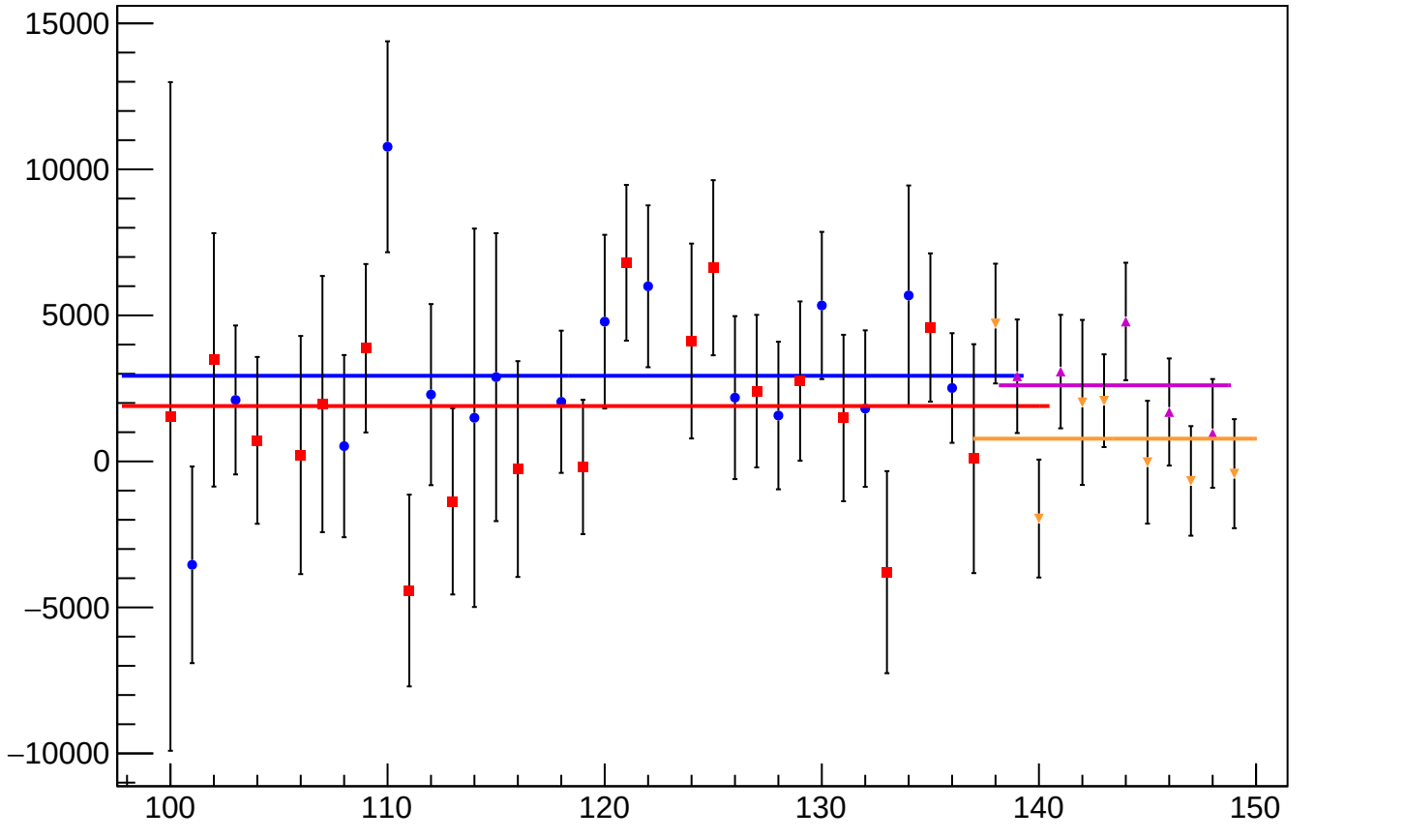
Left: 4413.042+/-1.011 χ^2/NDF: 266680.3/11

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2658.304+/-0.681 χ^2/NDF:7438930.0/20

Out: 2108.420+/-0.540 χ^2/NDF:10280494.1/25

All: 2320.739+/-0.423 χ^2/NDF: 18119428.4/4



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 778.646+/-744.938 χ^2/NDF:7.5/6

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2605.307+/-856.944 χ^2/NDF:2.3/4

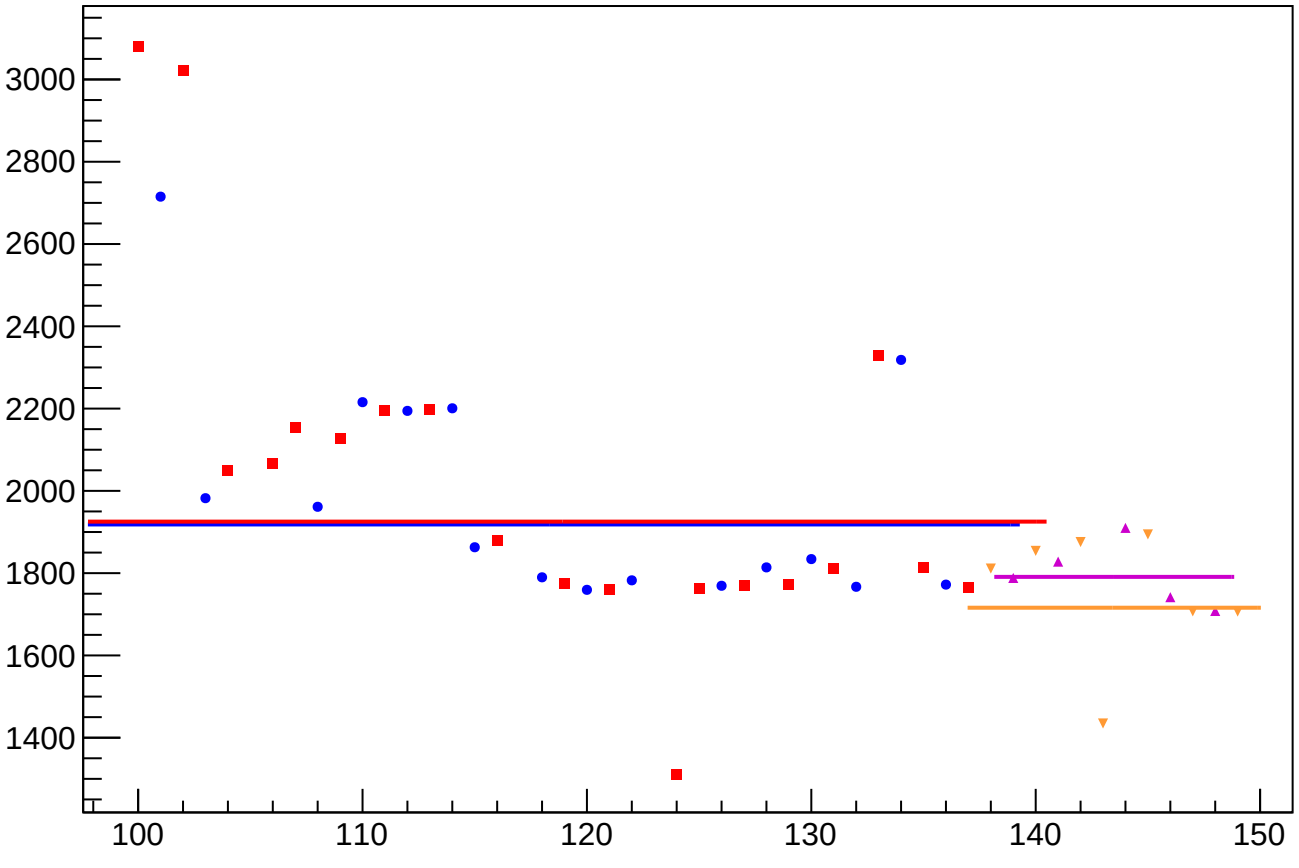
Left: 1564.875+/-562.209 χ^2/NDF: 12.4/11

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2797.005+/-550.493 χ^2/NDF:15.4/20

Out: 1354.572+/-518.433 χ^2/NDF:26.1/25

All: 2032.566+/-377.413 χ^2/NDF: 45.1/46



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1715.987+/-0.527 χ^2/NDF:97317.5/6

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1790.949+/-0.606 χ^2/NDF:13138.1/4

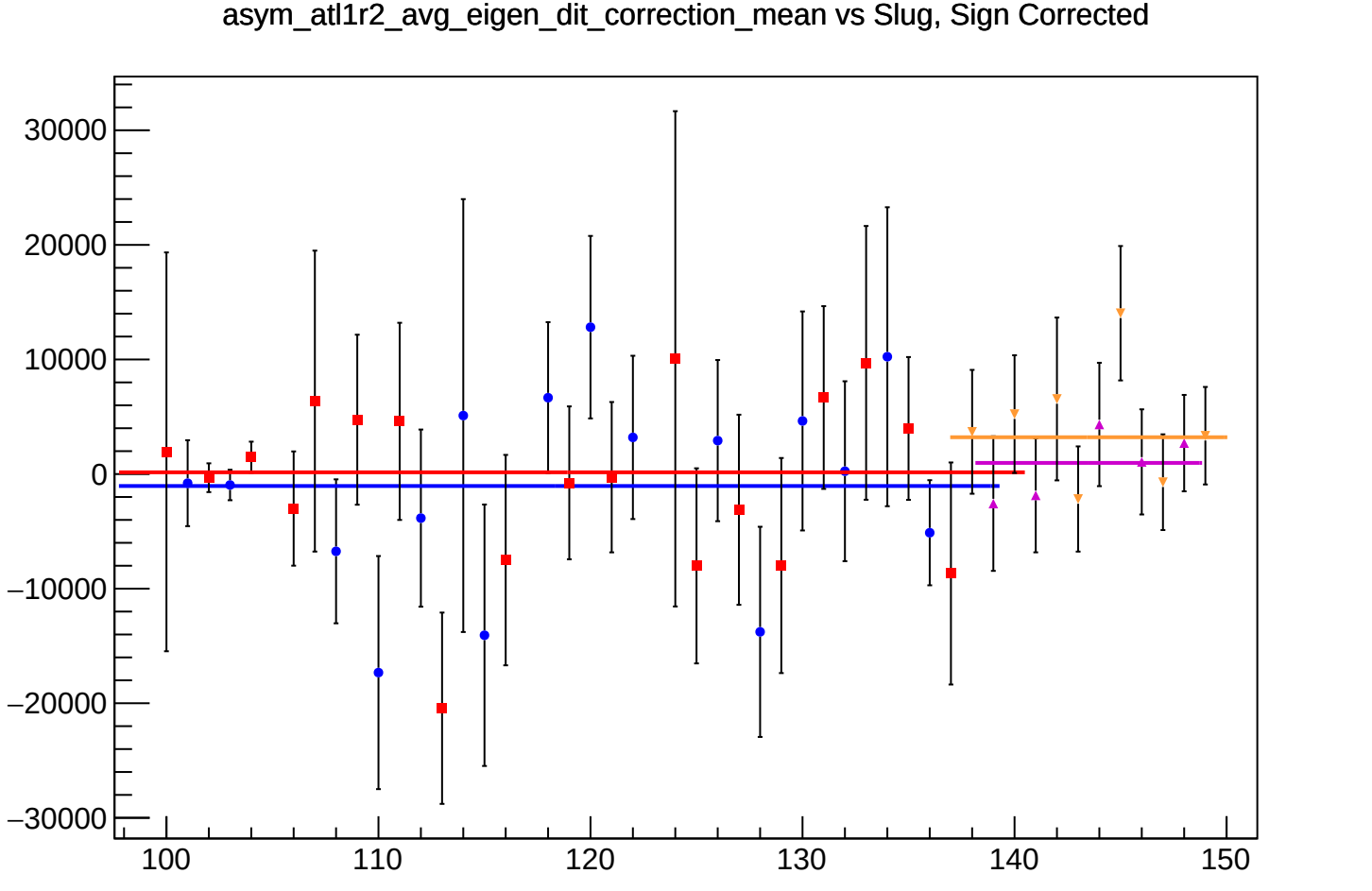
Left: 1748.252+/-0.398 χ^2/NDF: 119172.4/11

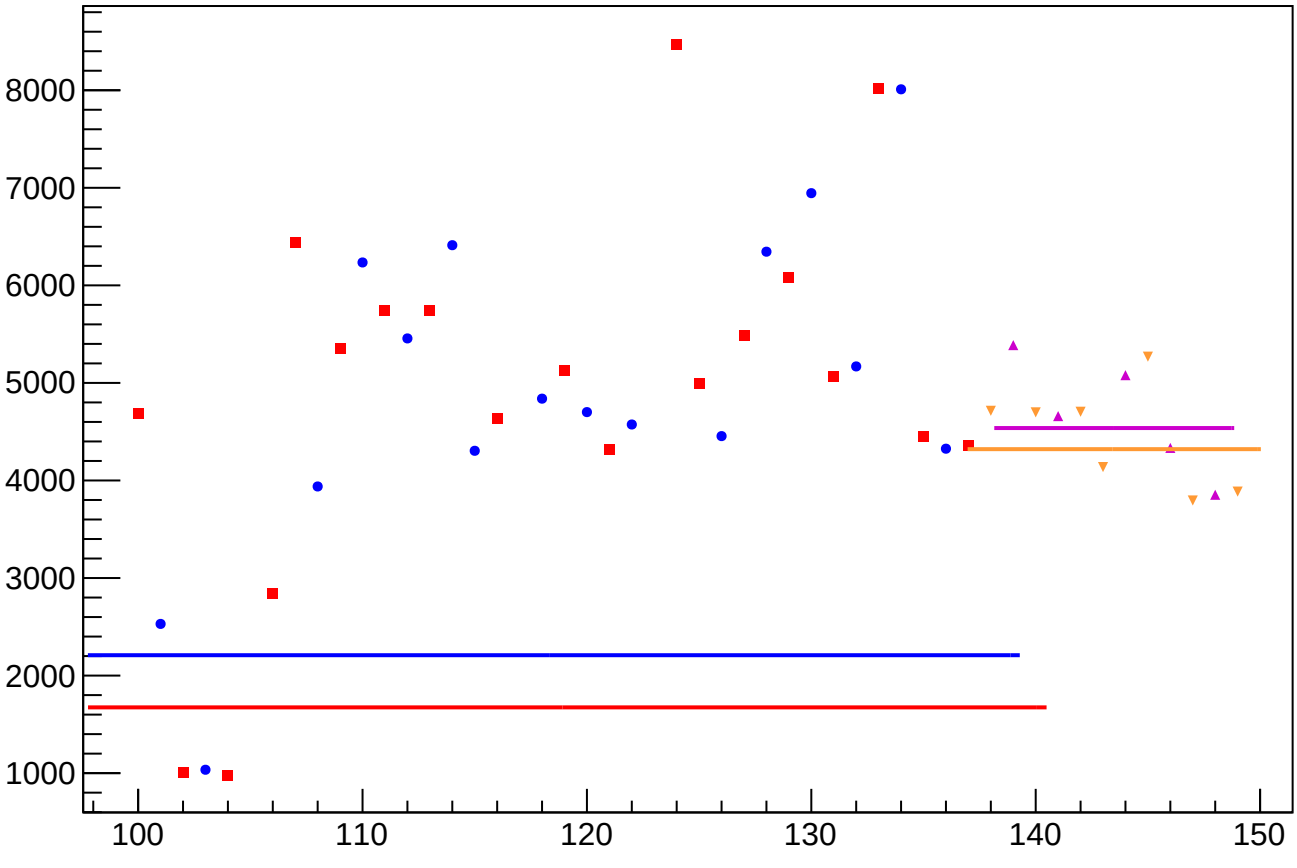
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1865.786+/-0.389 χ^2/NDF:254700.7/20

Out: 1823.987+/-0.366 χ^2/NDF:517868.1/25

All: 1843.625+/-0.267 χ^2/NDF: 778682.0/46


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 3214.231+/-1886.282 χ²/NDF:6.1/6
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: 974.299+/-2192.915 χ²/NDF:1.2/4
Left: 2261.695+/-1430.030 χ²/NDF: 7.9/11
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -652.785+/-963.378 χ²/NDF:15.8/20
Out: 655.752+/-764.035 χ²/NDF:22.0/25
All: 150.503+/-598.627 χ²/NDF: 38.9/46



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4321.036+/-1.334 χ^2/NDF:135316.7/6

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: 4413.048+/-1.011 χ^2/NDF: 266679.5/11

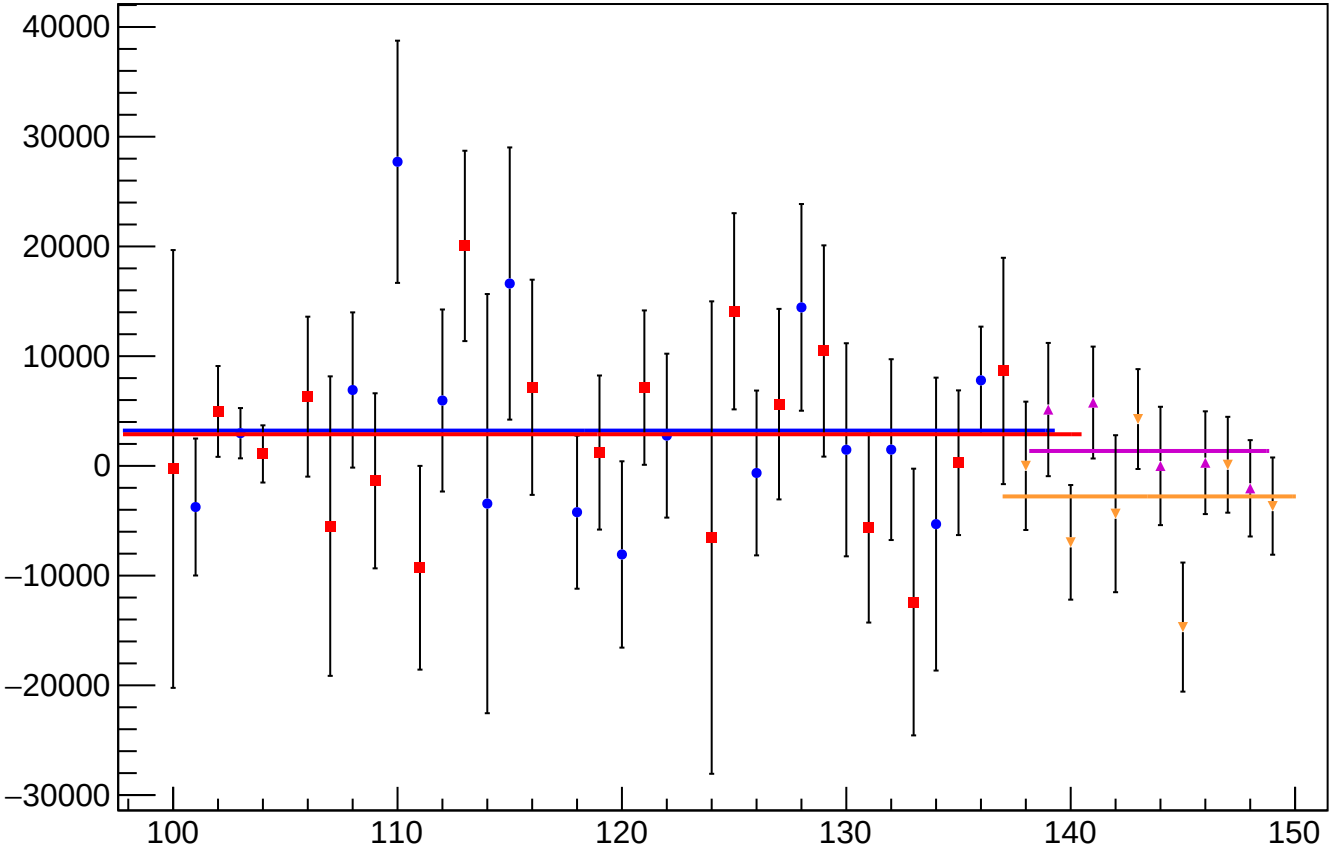
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2658.303+/-0.681 χ^2/NDF:7438930.1/20

Out: 2108.419+/-0.540 χ^2/NDF:10280495.1/25

All: 2320.739+/-0.423 χ^2/NDF: 18119429.3/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -2783.164+/-1939.180 χ^2/NDF:7.9/6

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: -1018.203+/-1469.042 χ^2/NDF: 11.7/11

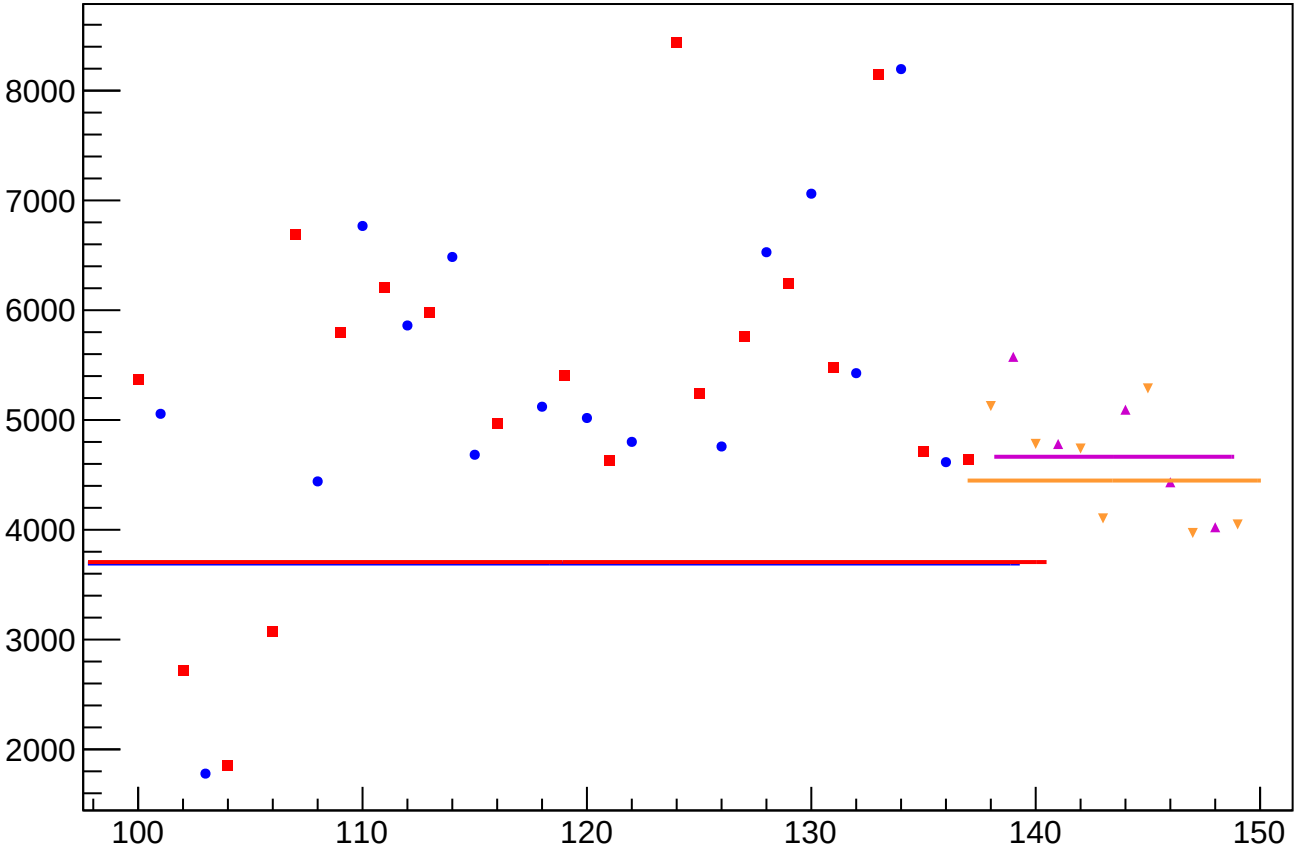
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2623.910+/-1270.506 χ^2/NDF:16.1/20

Out: 670.715+/-1211.766 χ^2/NDF:26.5/25

All: 1601.118+/-876.879 χ^2/NDF: 43.9/46

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4448.458+/-1.371 χ^2/NDF:130810.5/6

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4665.237+/-1.591 χ^2/NDF:106290.9/4

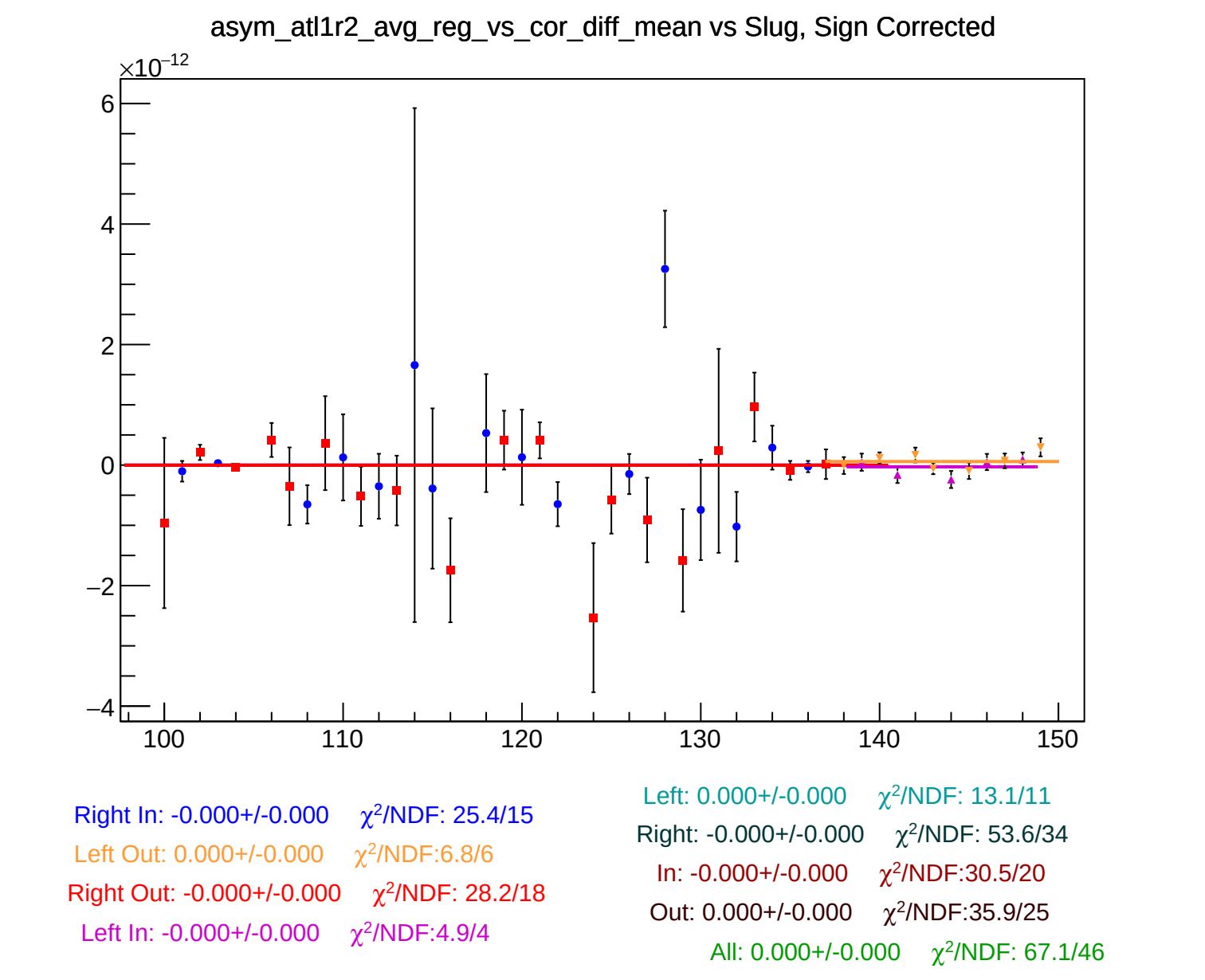
Left: 4540.829+/-1.039 χ^2/NDF: 247751.3/11

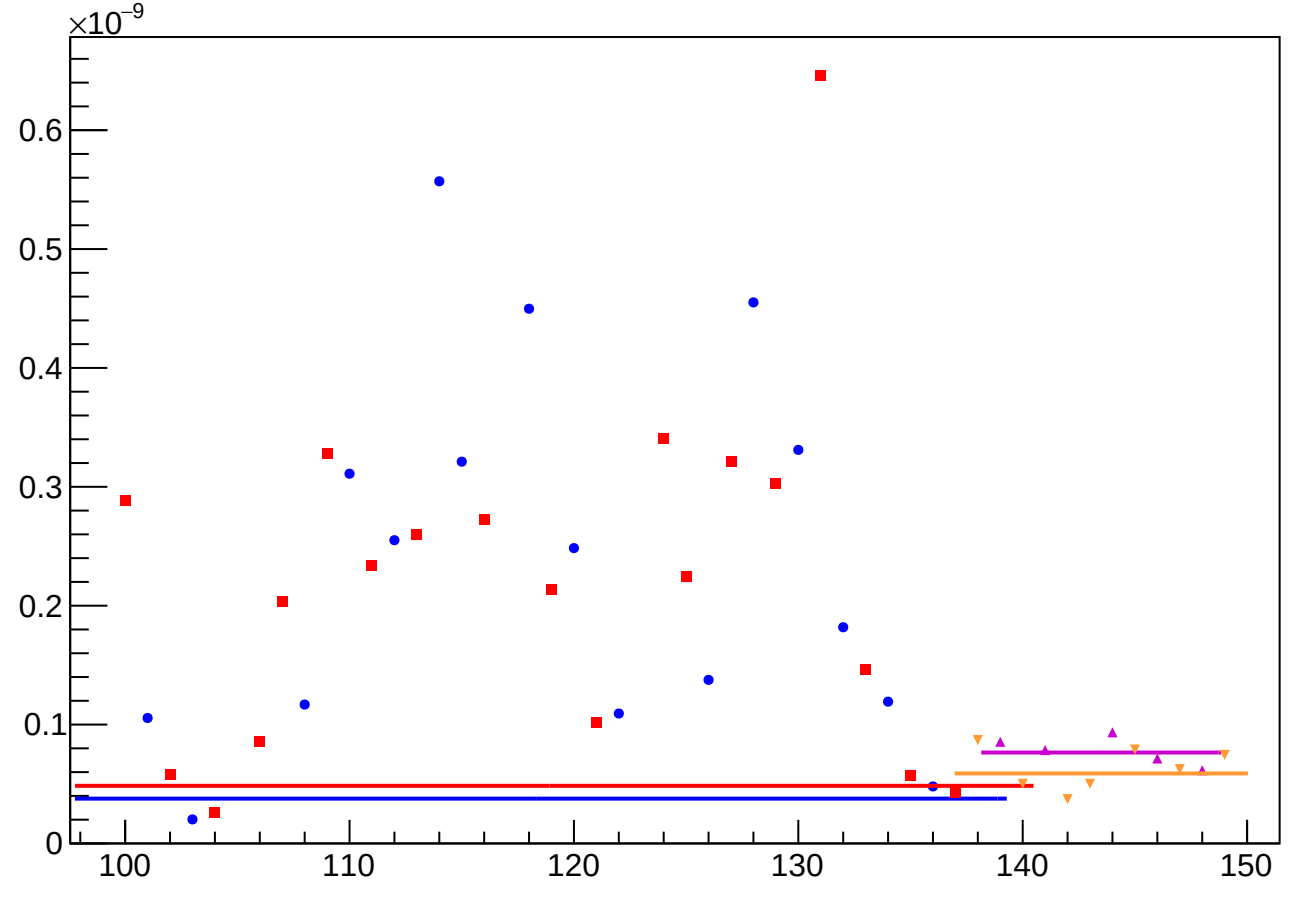
Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4002.741+/-0.898 χ^2/NDF:3246348.9/20

Out: 3992.429+/-0.852 χ^2/NDF:2995395.9/25

All: 3997.309+/-0.618 χ^2/NDF: 6241814.2/46


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:6.8/6
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: 13.1/11
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:35.9/25
All: 0.000+/-0.000 χ²/NDF: 67.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:244741.5/6

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: 430880.8/11

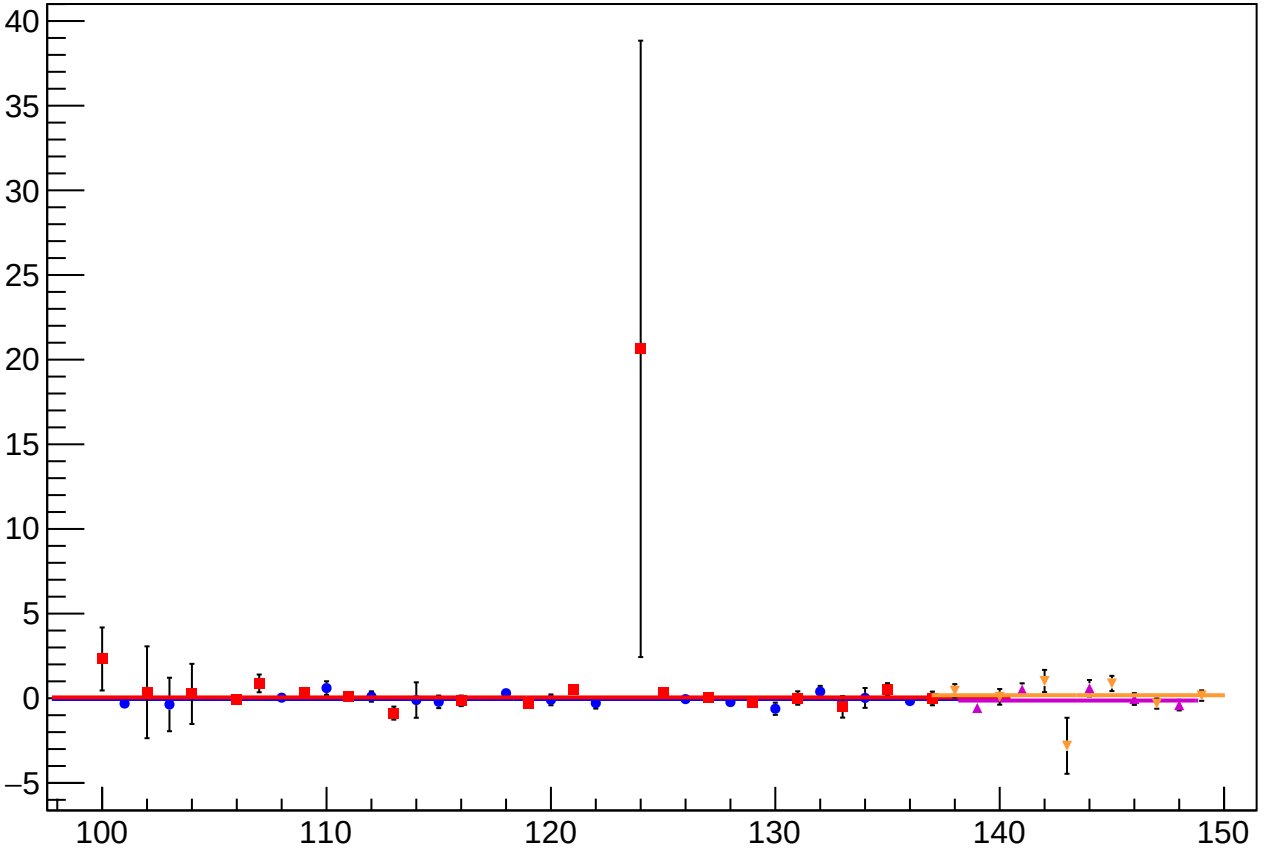
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3831845.6/20

Out: 0.000+/-0.000 χ^2/NDF:3195073.3/25

All: 0.000+/-0.000 χ^2/NDF: 7058757.0/46

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: 0.179+/-0.158 χ^2/NDF:10.4/6

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.135+/-0.152 χ^2/NDF:8.7/4

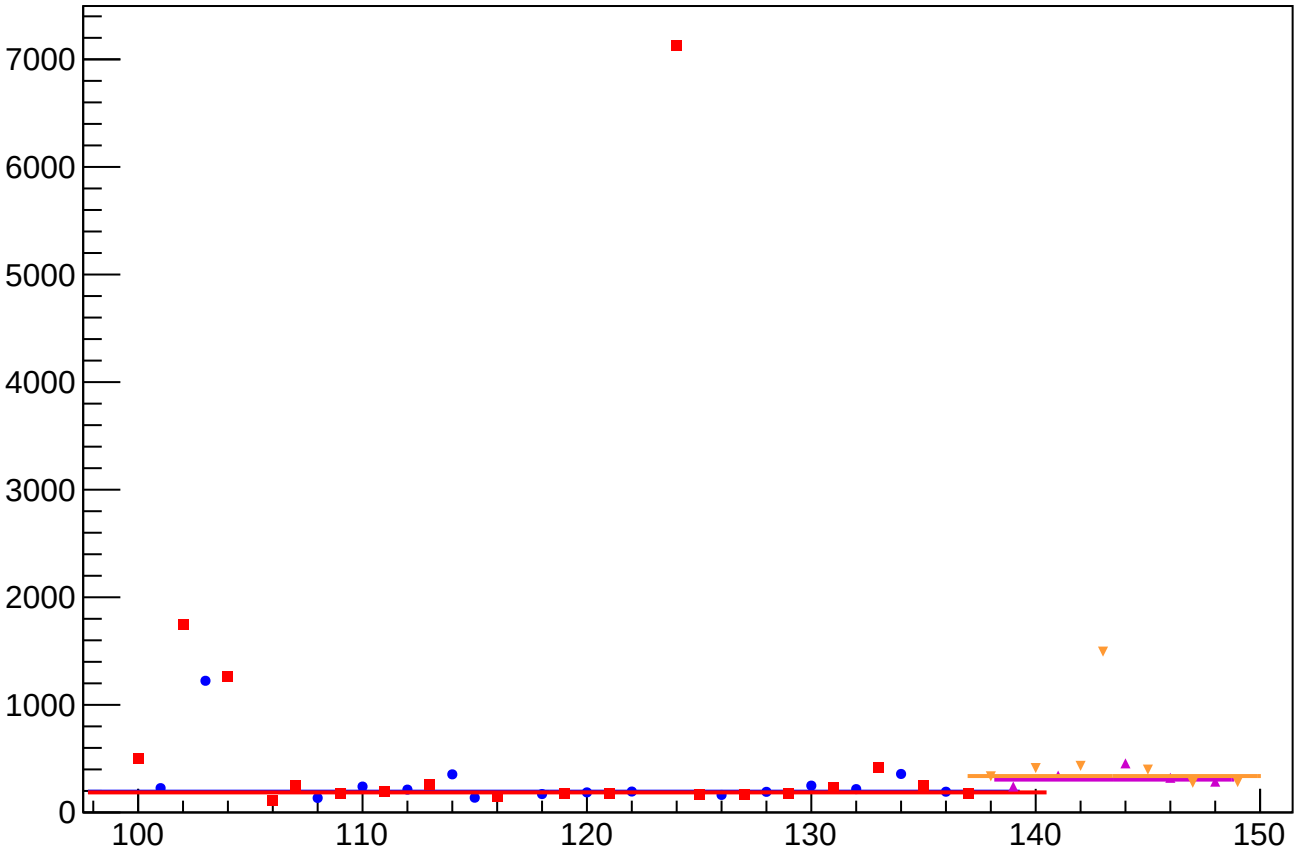
Left: 0.016+/-0.109 χ^2/NDF: 21.2/11

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.075+/-0.071 χ^2/NDF:33.9/25

All: 0.006+/-0.049 χ^2/NDF: 56.6/46



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 338.326+/-0.112 χ^2/NDF:1256587.3/6

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: 321.149+/-0.077 χ^2/NDF: 1639540.7/11

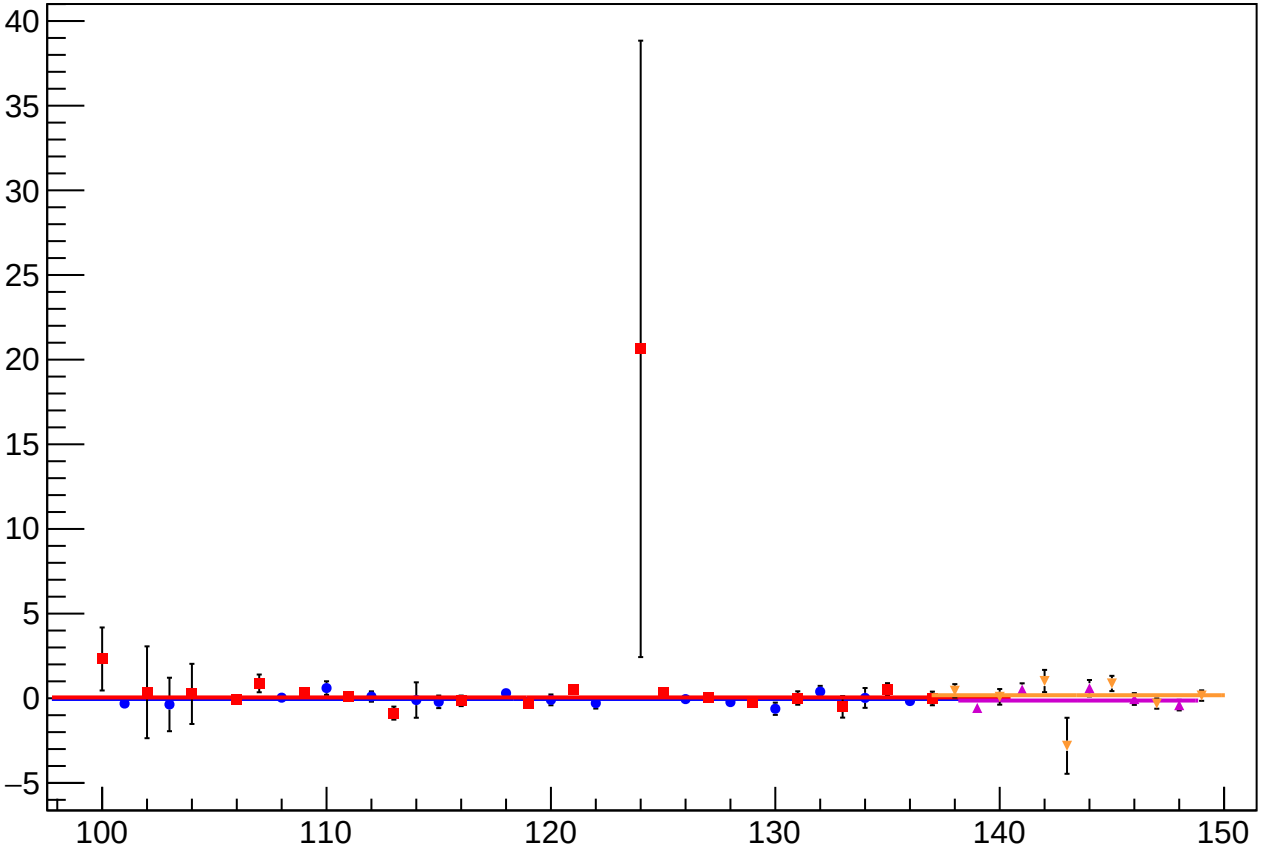
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 216.609+/-0.049 χ^2/NDF:2612387.7/20

Out: 216.619+/-0.050 χ^2/NDF:5215994.4/25

All: 216.614+/-0.035 χ^2/NDF: 7828382.2/46

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: 0.179+/-0.158 χ^2/NDF:10.4/6

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: 0.016+/-0.109 χ^2/NDF: 21.2/11

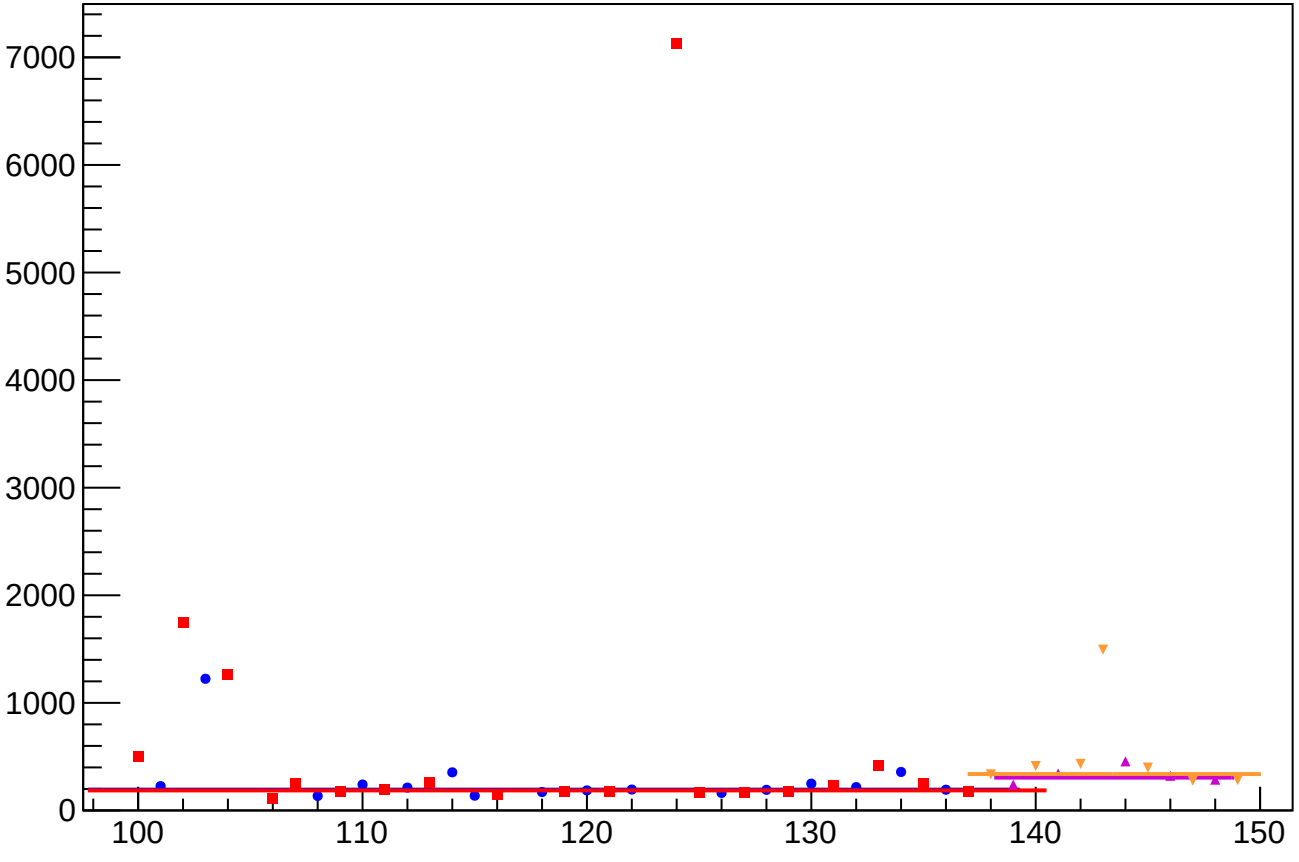
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.075+/-0.071 χ^2/NDF:33.9/25

All: 0.006+/-0.049 χ^2/NDF: 56.6/46

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: 338.326+/-0.112 χ^2/NDF:1256587.3/6

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 305.358+/-0.107 χ^2/NDF:337623.7/4

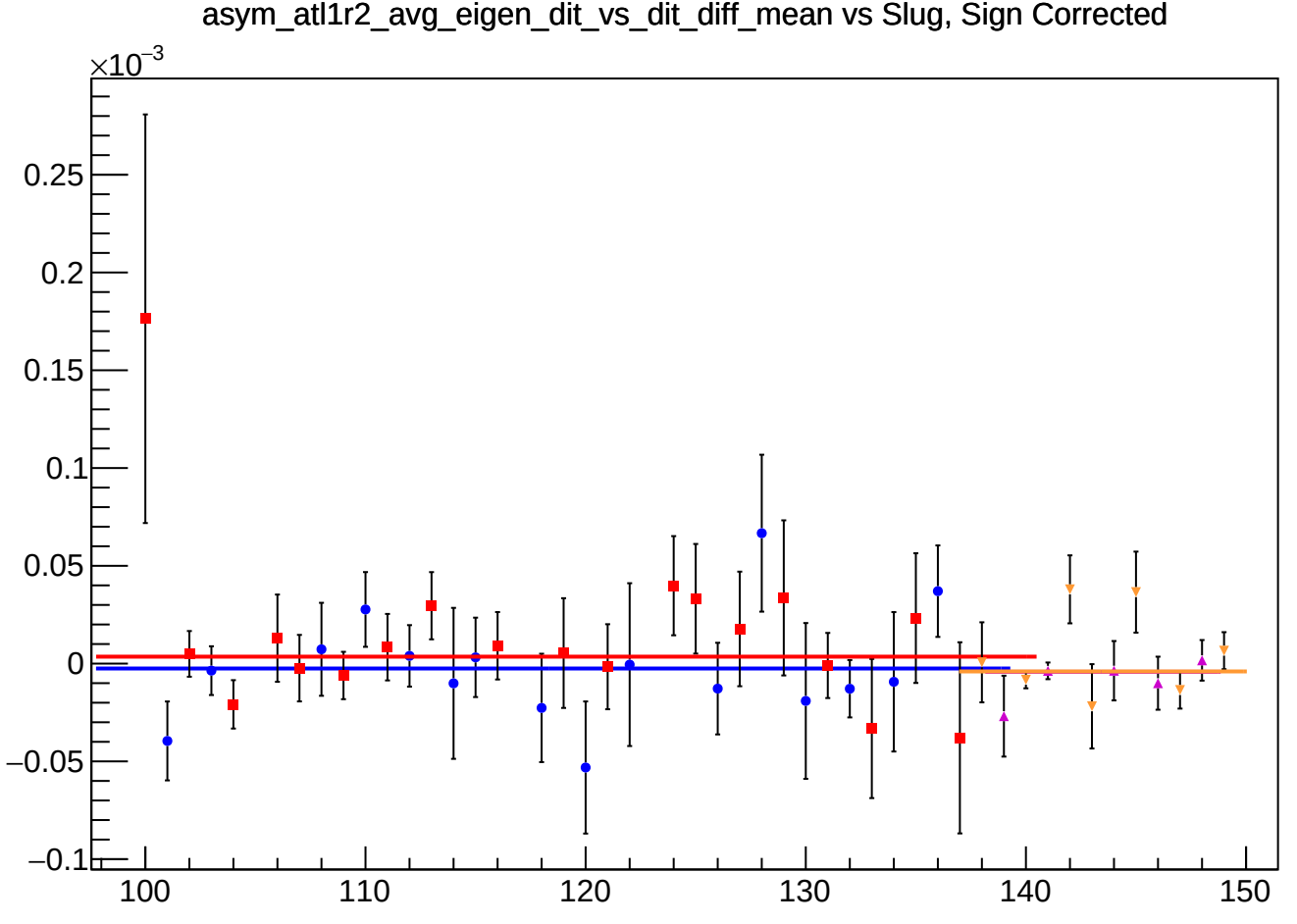
Left: 321.149+/-0.077 χ^2/NDF: 1639540.7/11

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 216.609+/-0.049 χ^2/NDF:2612387.7/20

Out: 216.619+/-0.050 χ^2/NDF:5215994.4/25

All: 216.614+/-0.035 χ^2/NDF: 7828382.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/4

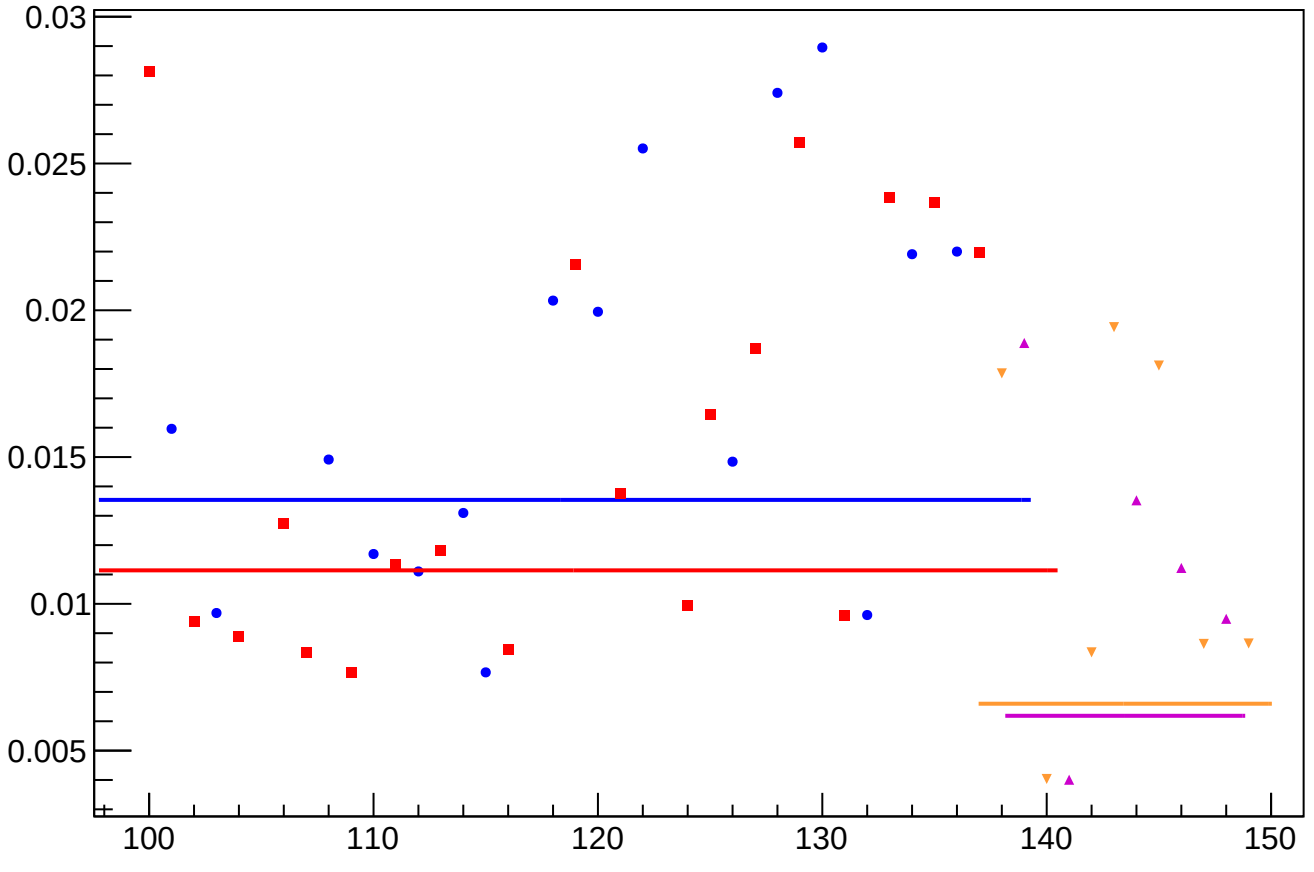
Left: -0.000+/-0.000 χ^2/NDF: 15.3/11

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:31.7/25

All: -0.000+/-0.000 χ^2/NDF: 49.7/46



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2815974.4/6

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: 5051138.4/11

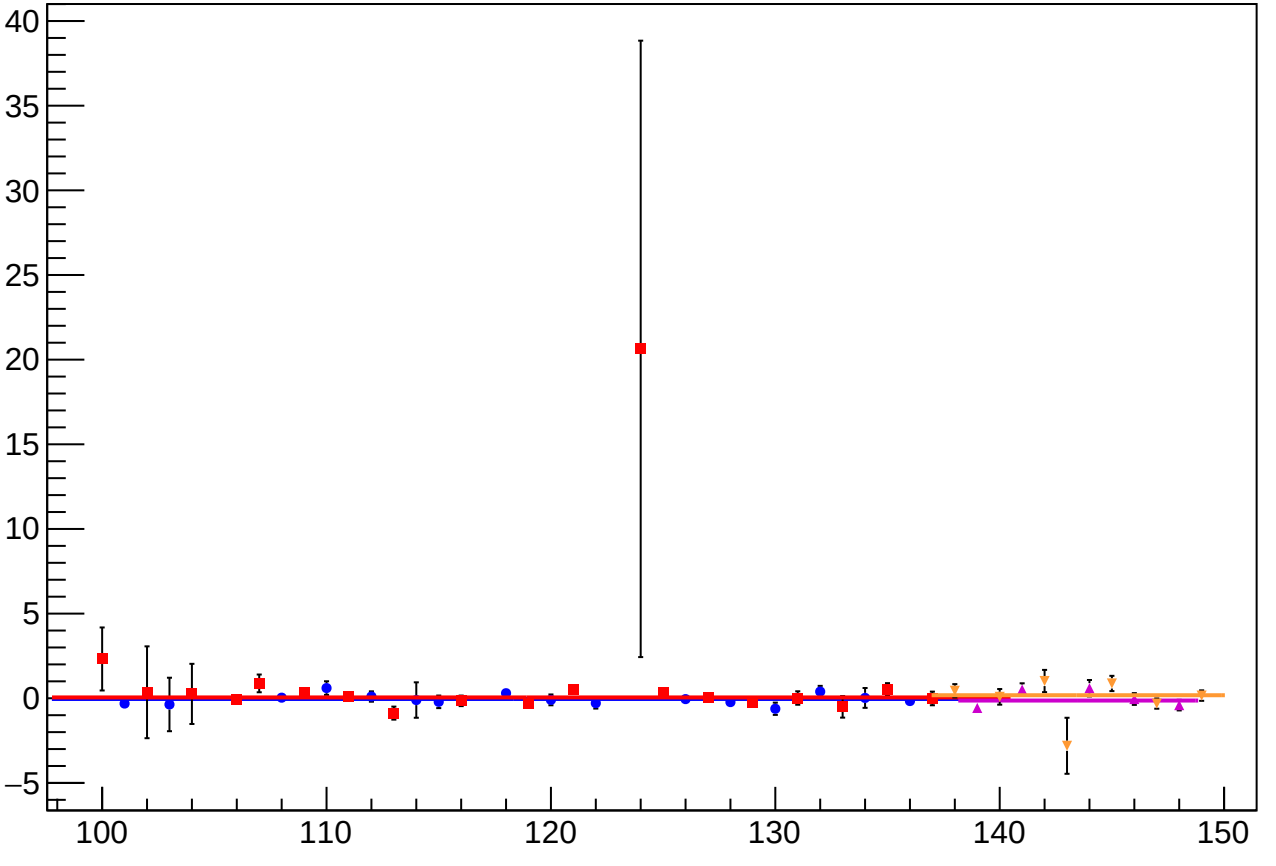
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6625069.0/20

Out: 0.008+/-0.000 χ^2/NDF:6001193.0/25

All: 0.008+/-0.000 χ^2/NDF: 12628625.1/46

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: 0.179+/-0.158 χ^2/NDF:10.4/6

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.135+/-0.152 χ^2/NDF:8.7/4

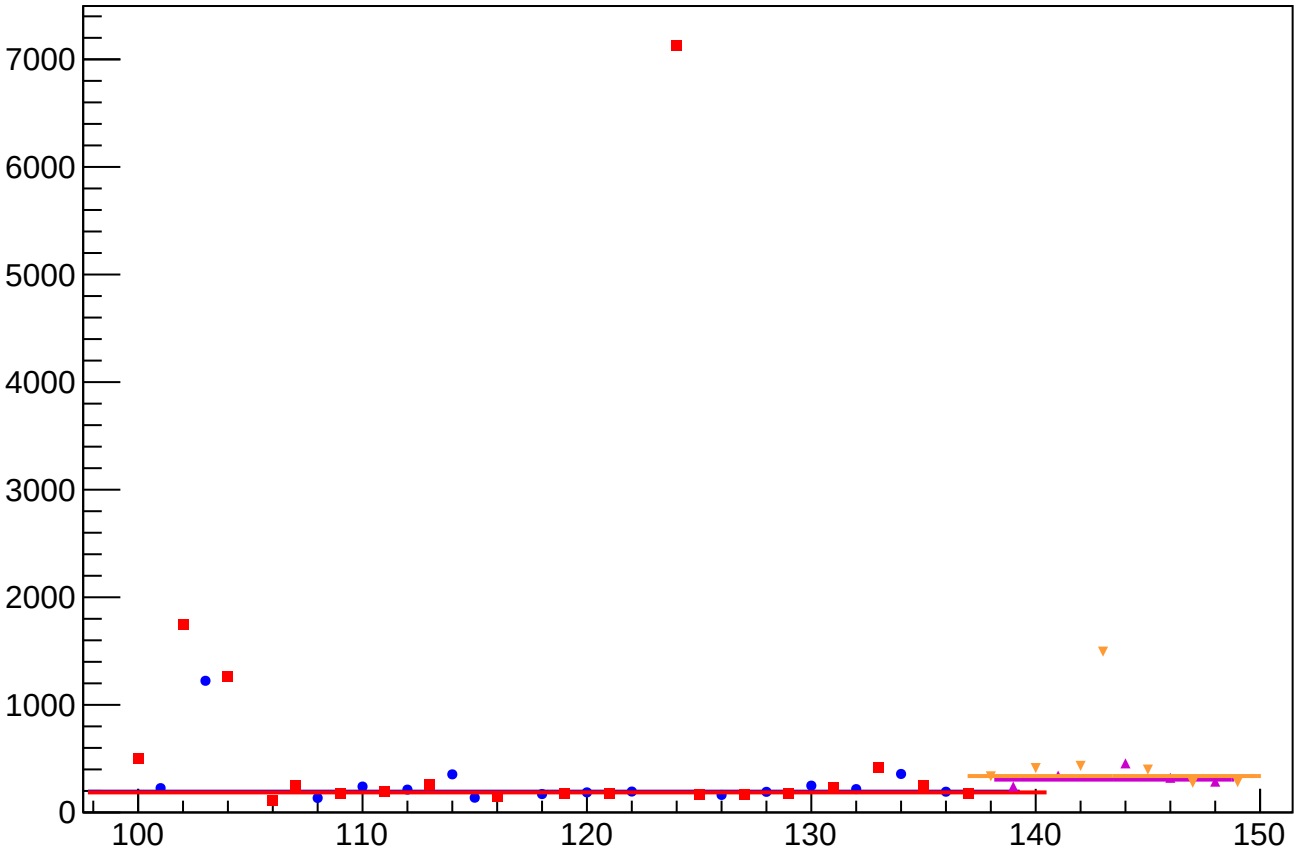
Left: 0.016+/-0.109 χ^2/NDF: 21.2/11

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.075+/-0.071 χ^2/NDF:33.9/25

All: 0.006+/-0.049 χ^2/NDF: 56.6/46



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 338.331+/-0.112 χ^2/NDF:1256557.7/6

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: 321.154+/-0.077 χ^2/NDF: 1639493.6/11

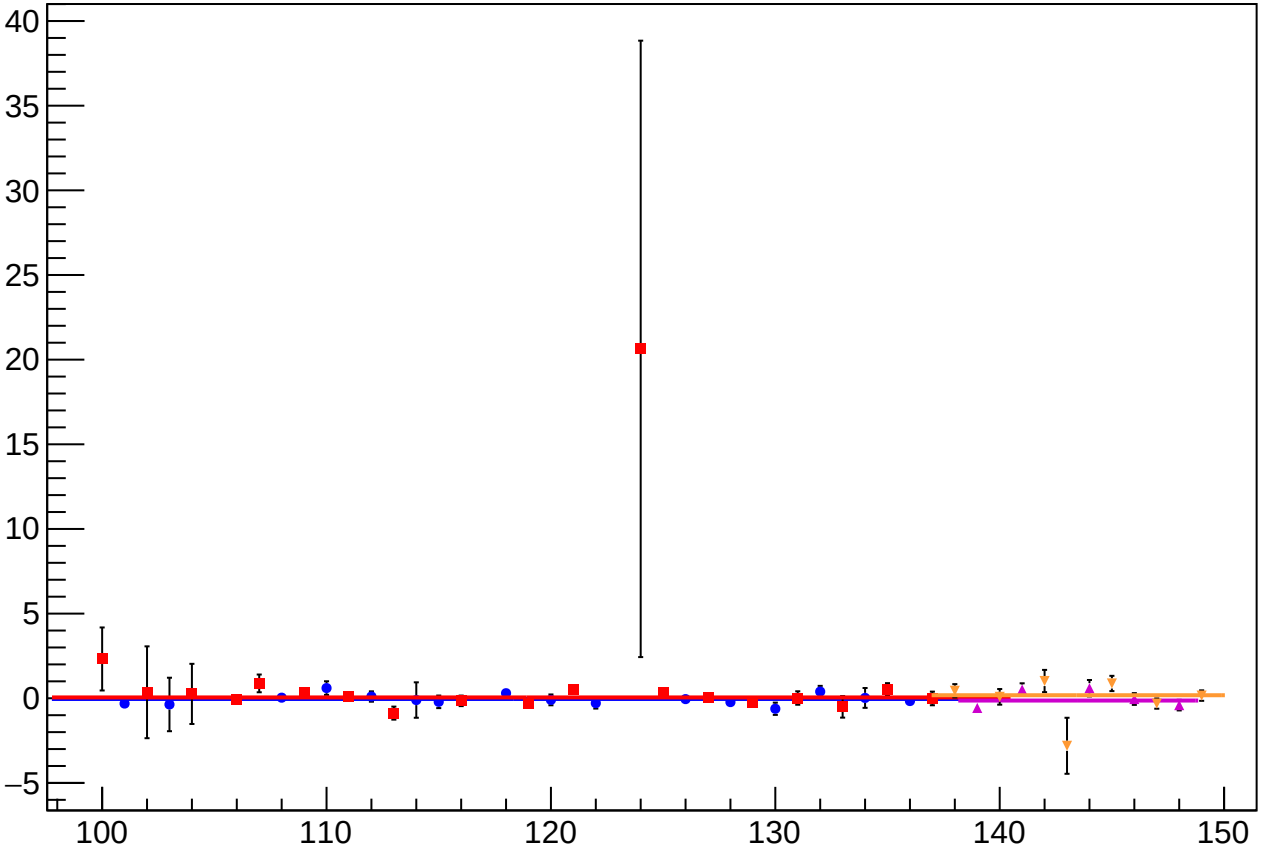
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 216.608+/-0.049 χ^2/NDF:2612444.5/20

Out: 216.617+/-0.050 χ^2/NDF:5216104.6/25

All: 216.612+/-0.035 χ^2/NDF: 7828549.1/46

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: 0.179+/-0.158 χ^2/NDF:10.4/6

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: 0.016+/-0.109 χ^2/NDF: 21.2/11

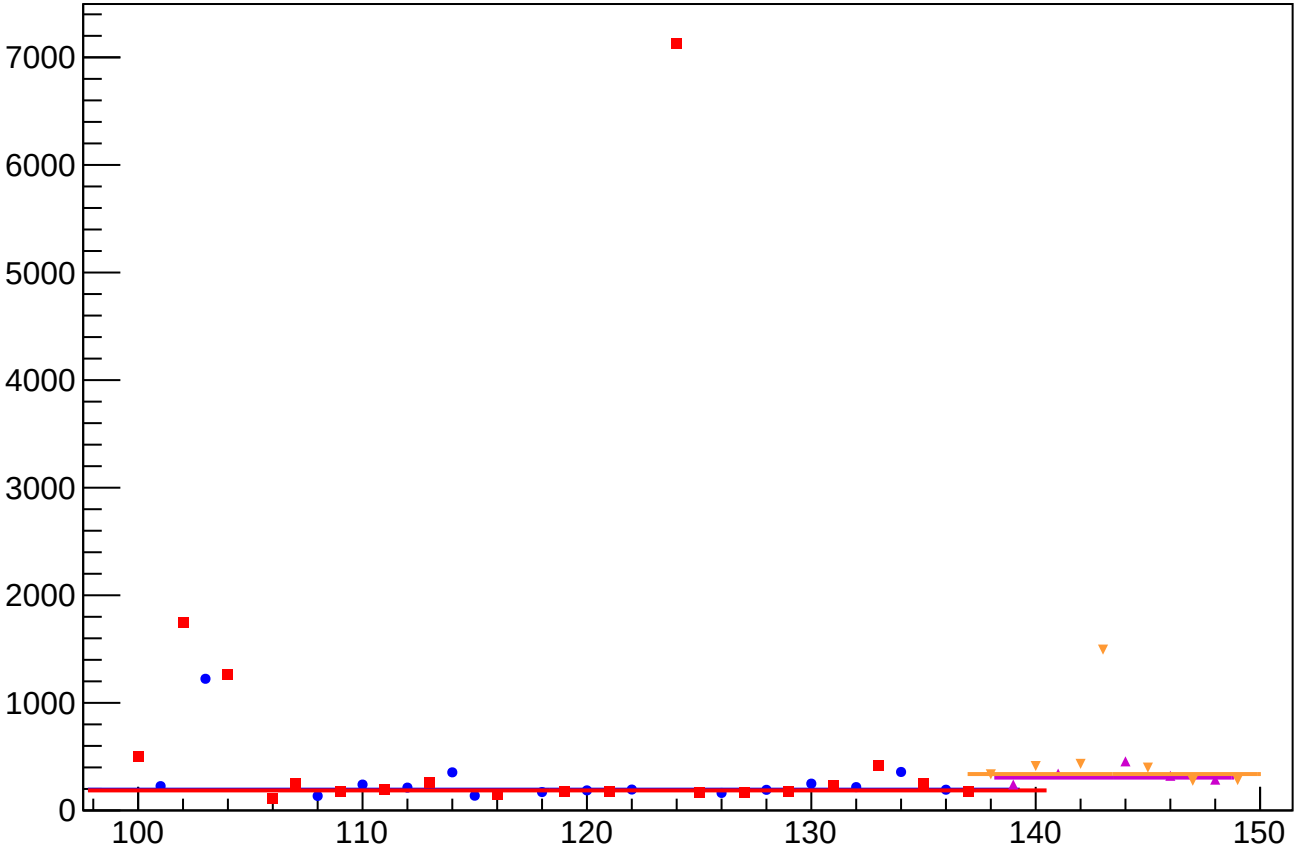
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.061+/-0.069 χ^2/NDF:20.8/20

Out: 0.075+/-0.071 χ^2/NDF:33.9/25

All: 0.006+/-0.049 χ^2/NDF: 56.6/46

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: 338.331+/-0.112 χ^2/NDF:1256557.7/6

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: 321.154+/-0.077 χ^2/NDF: 1639493.6/11

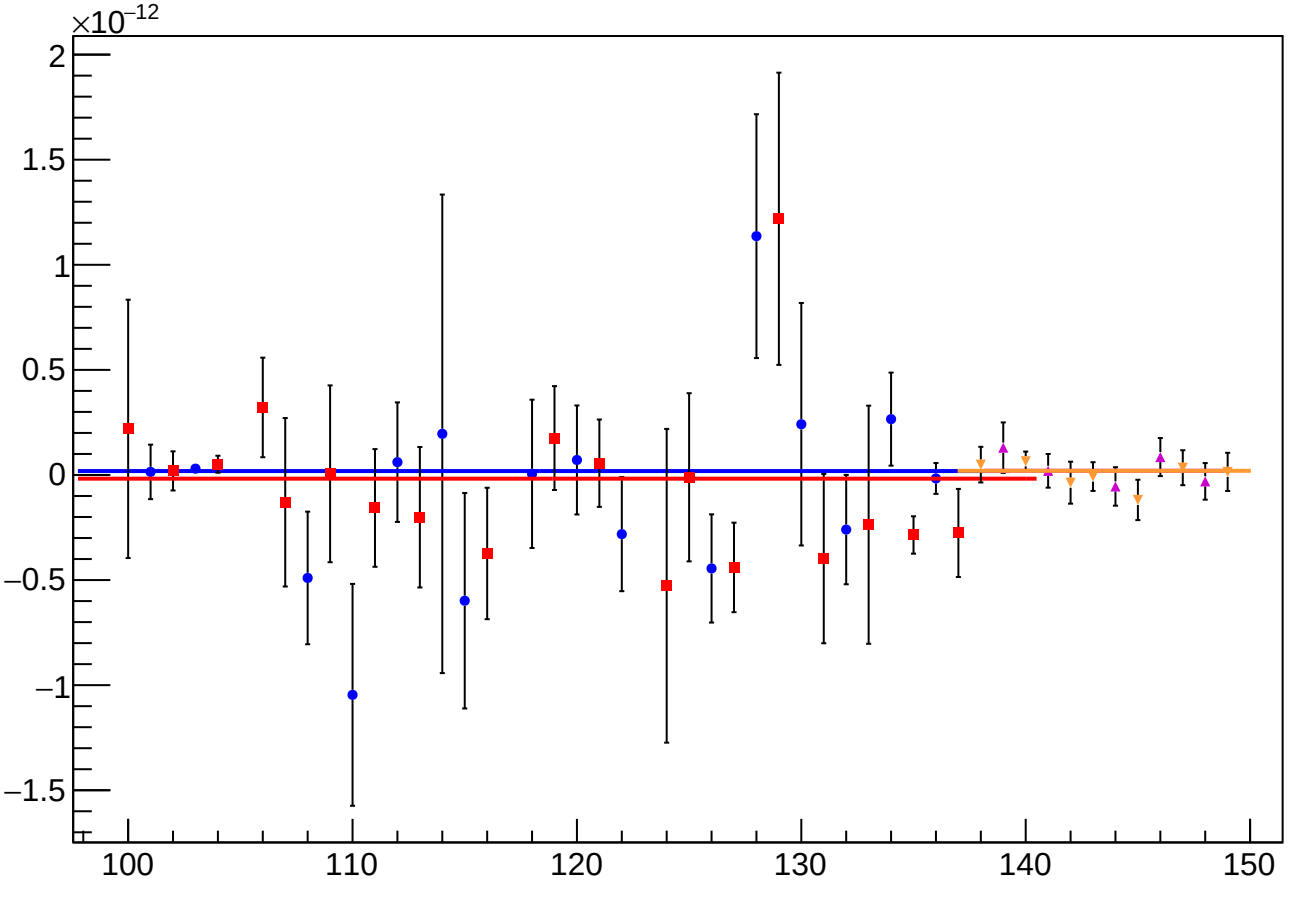
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 216.608+/-0.049 χ^2/NDF:2612444.5/20

Out: 216.617+/-0.050 χ^2/NDF:5216104.6/25

All: 216.612+/-0.035 χ^2/NDF: 7828549.1/46

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:3.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

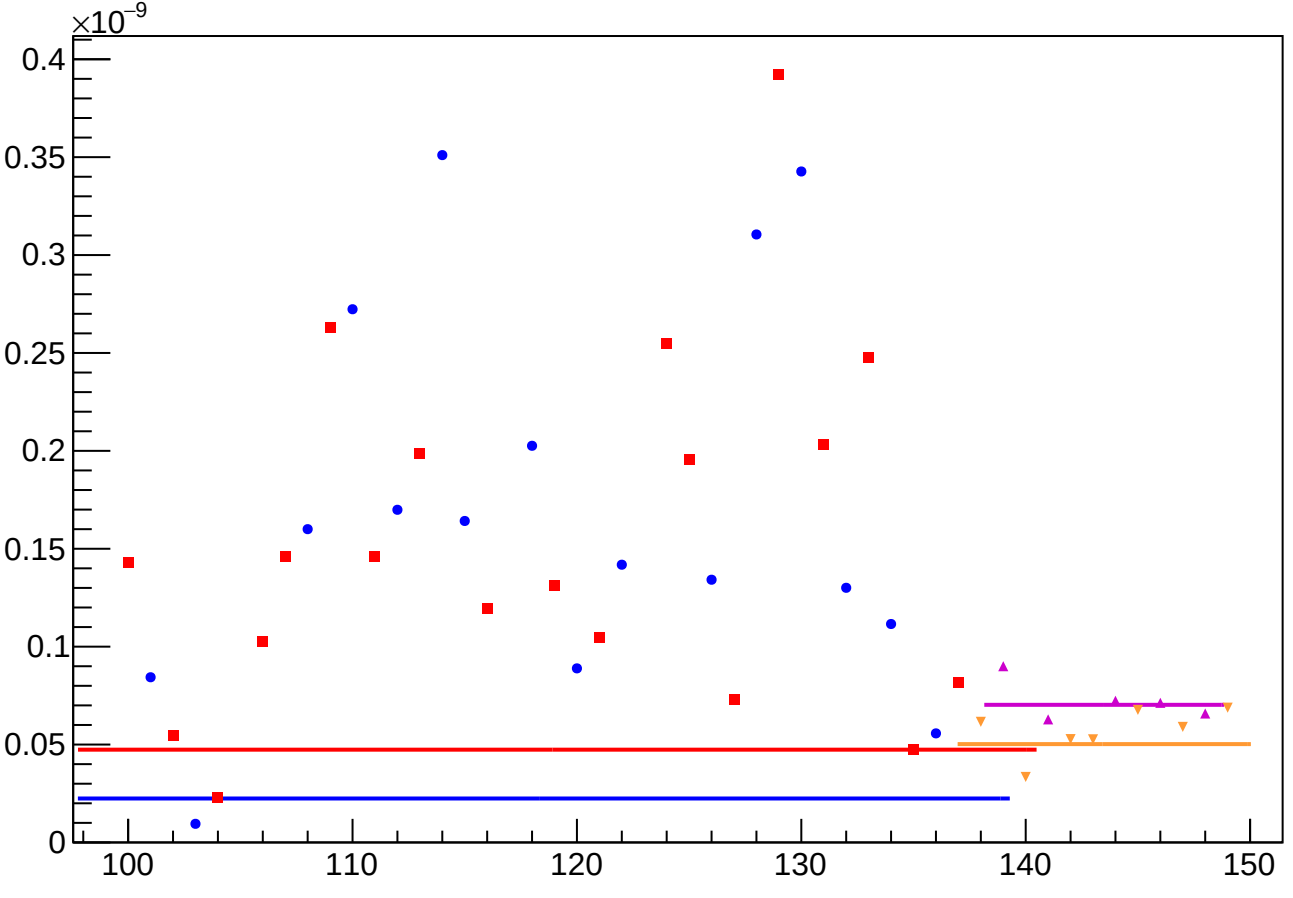
Left: 0.000+/-0.000 χ^2/NDF: 6.0/11

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:31.6/25

All: 0.000+/-0.000 χ^2/NDF: 53.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:474053.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:77705.8/4

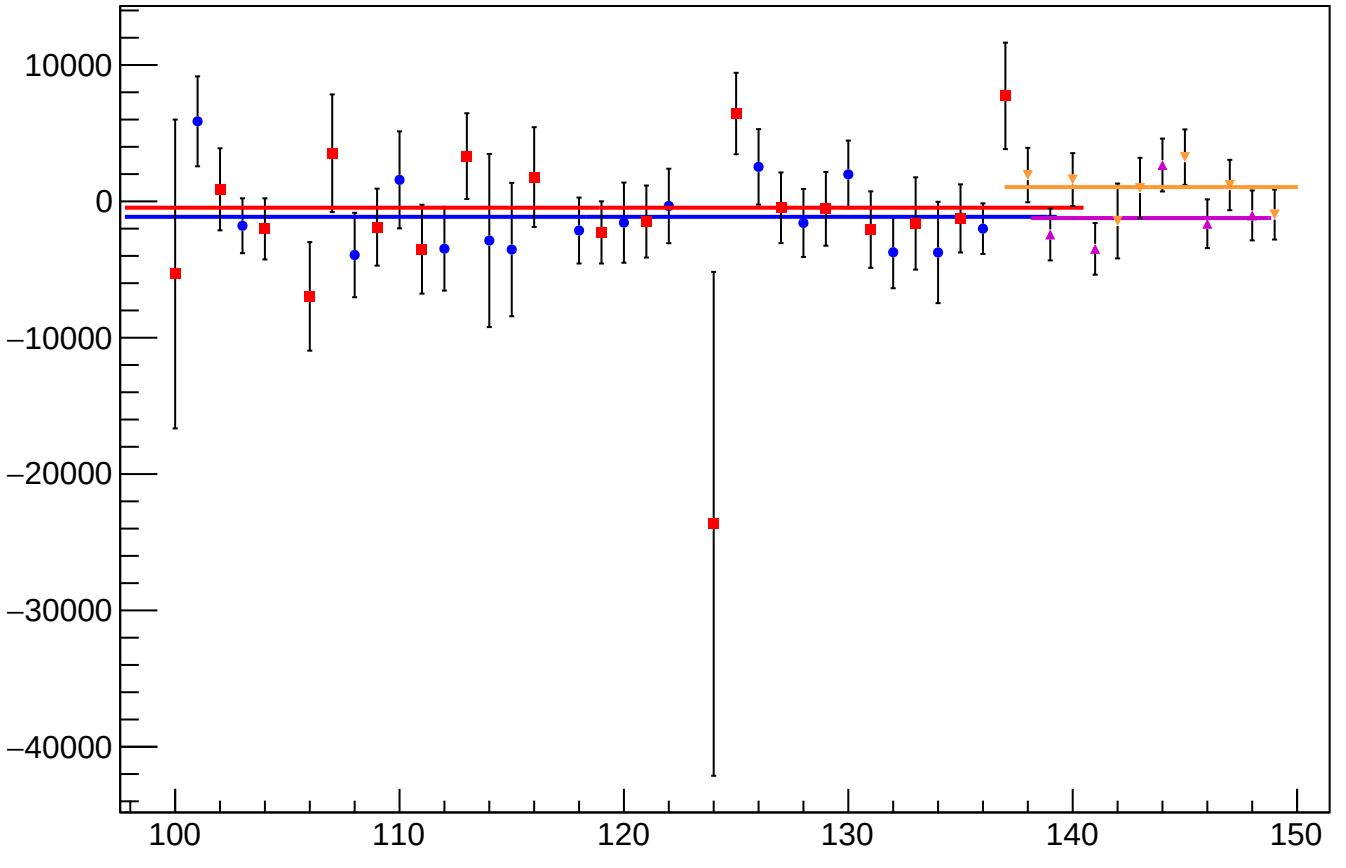
Left: 0.000+/-0.000 χ^2/NDF: 881256.7/11

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:8673731.5/20

Out: 0.000+/-0.000 χ^2/NDF:4719334.8/25

All: 0.000+/-0.000 χ^2/NDF: 14128795.0/46



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1048.392+/-770.096 χ^2/NDF:3.5/6

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1222.892+/-835.799 χ^2/NDF:5.9/4

Left: 5.522+/-566.345 χ^2/NDF: 13.4/11

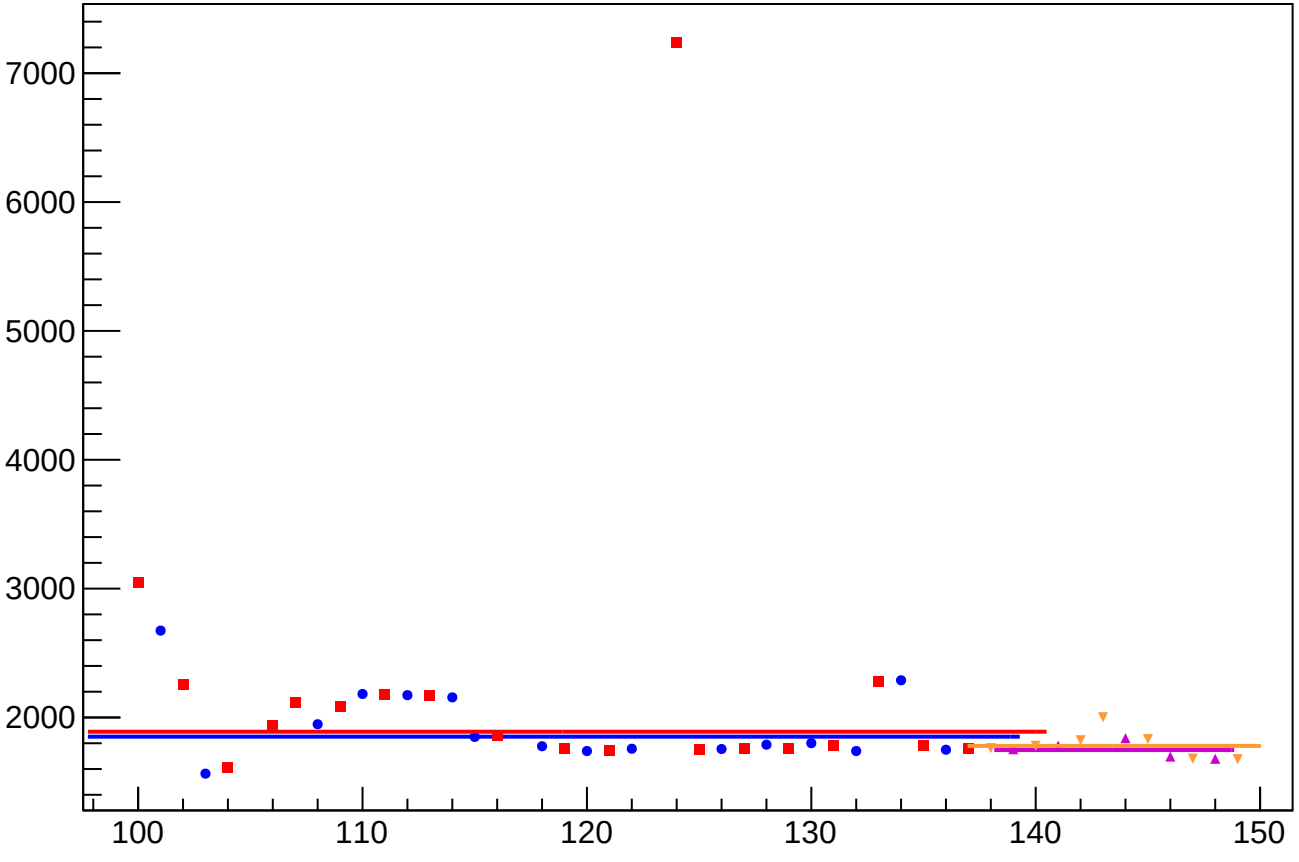
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1170.636+/-533.831 χ^2/NDF:18.2/20

Out: 225.744+/-520.375 χ^2/NDF:25.6/25

All: -454.626+/-372.627 χ^2/NDF: 47.2/46

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1779.434+/-0.545 χ^2/NDF:34177.5/6

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

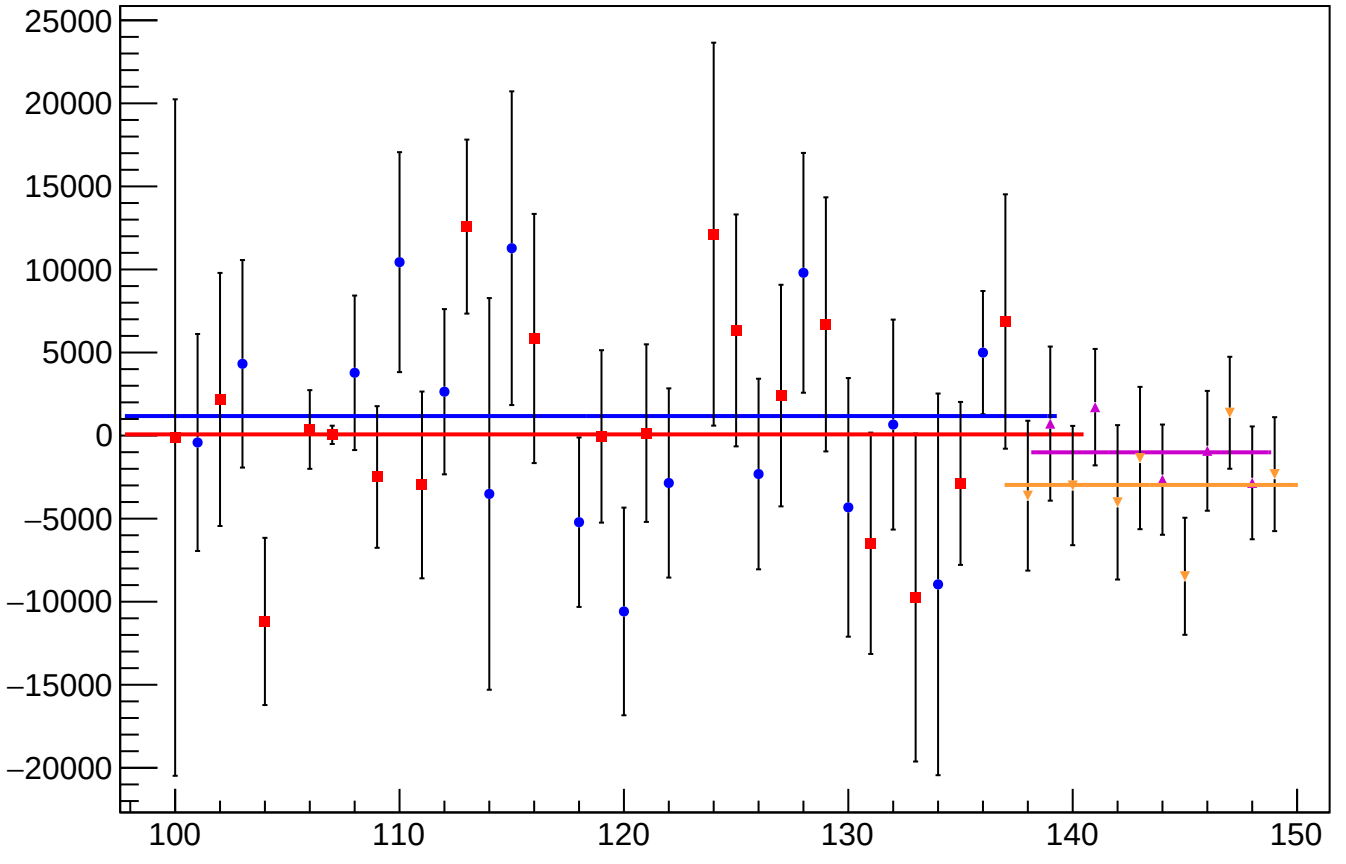
Left: 1764.679+/-0.400 χ^2/NDF: 45277.3/11

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1808.772+/-0.377 χ^2/NDF:287756.9/20

Out: 1839.385+/-0.367 χ^2/NDF:415338.8/25

All: 1824.489+/-0.263 χ^2/NDF: 706472.2/46



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2970.867+/-1441.758 χ^2/NDF:4.3/6

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -1007.713+/-1617.382 χ^2/NDF:1.3/4

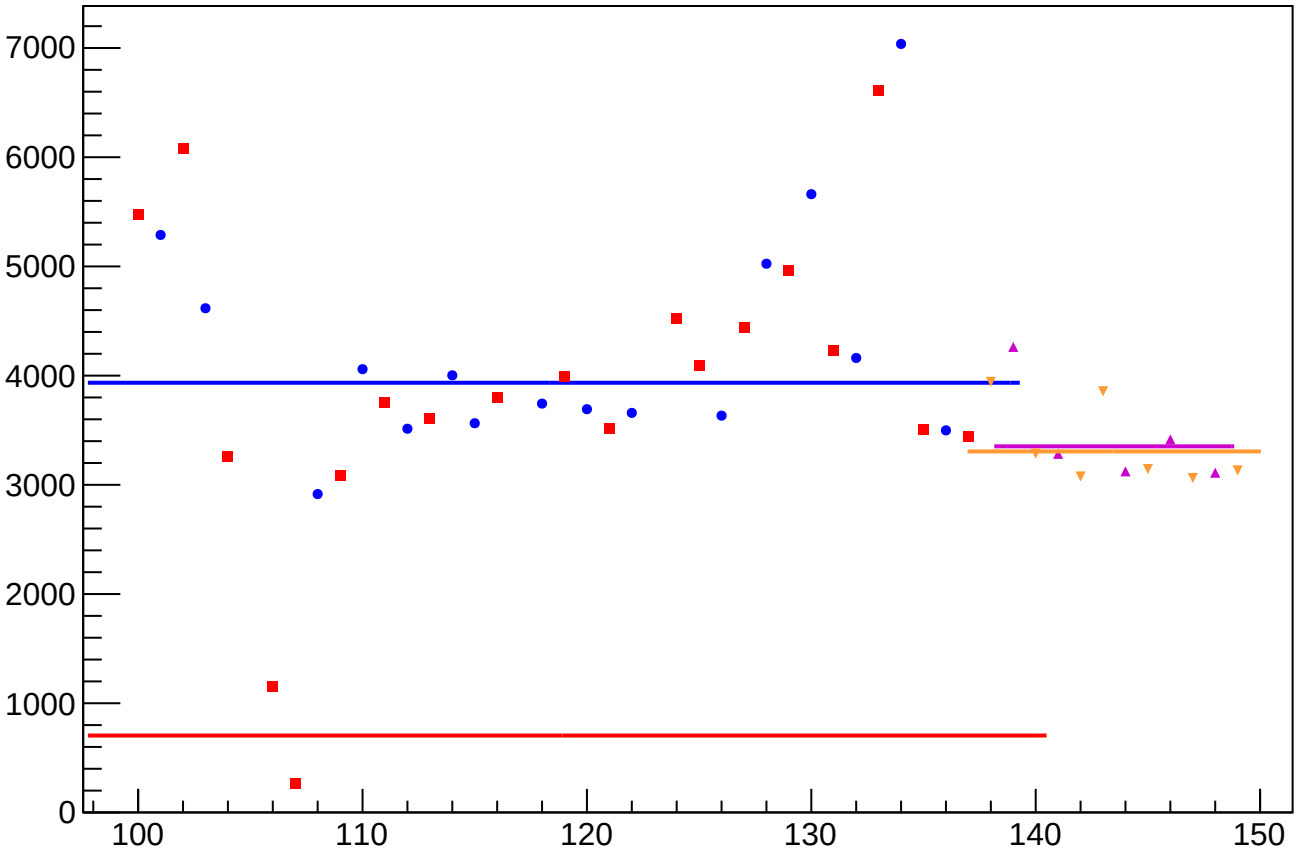
Left: -2101.623+/-1076.233 χ^2/NDF: 6.4/11

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 164.407+/-1100.657 χ^2/NDF:16.0/20

Out: -260.730+/-477.191 χ^2/NDF:26.2/25

All: -193.463+/-437.815 χ^2/NDF: 42.4/46



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3305.909+/-1.019 χ^2/NDF:97568.0/6

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3352.476+/-1.144 χ^2/NDF:98063.6/4

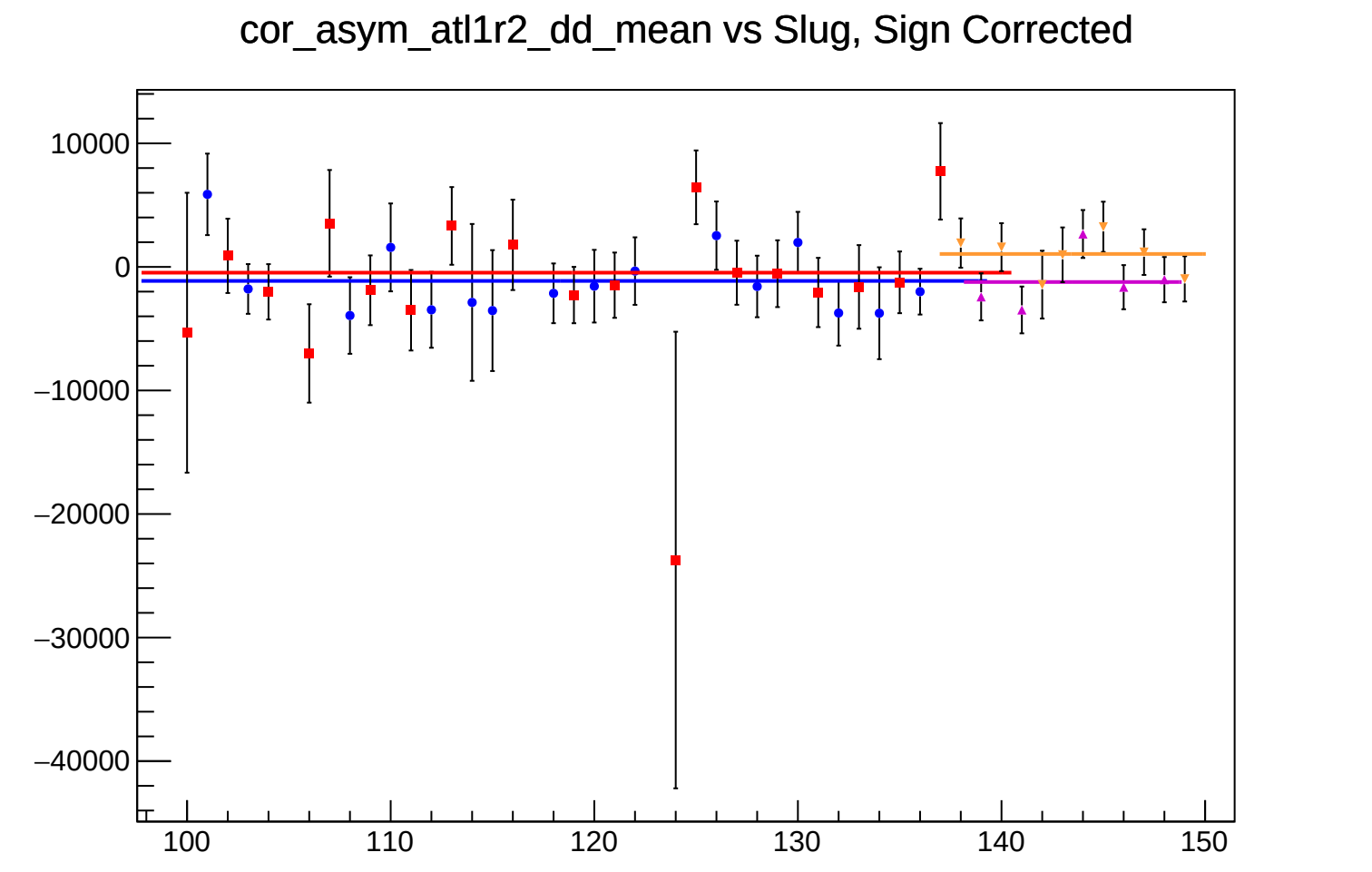
Left: 3326.528+/-0.761 χ^2/NDF: 196555.4/11

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3665.079+/-0.778 χ^2/NDF:797345.0/20

Out: 989.374+/-0.337 χ^2/NDF:16514658.5/25

All: 1412.739+/-0.310 χ^2/NDF: 27261434.2/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1048.308+/-770.096 χ^2/NDF:3.5/6

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1222.960+/-835.799 χ^2/NDF:5.9/4

Left: 5.445+/-566.345 χ^2/NDF: 13.4/11

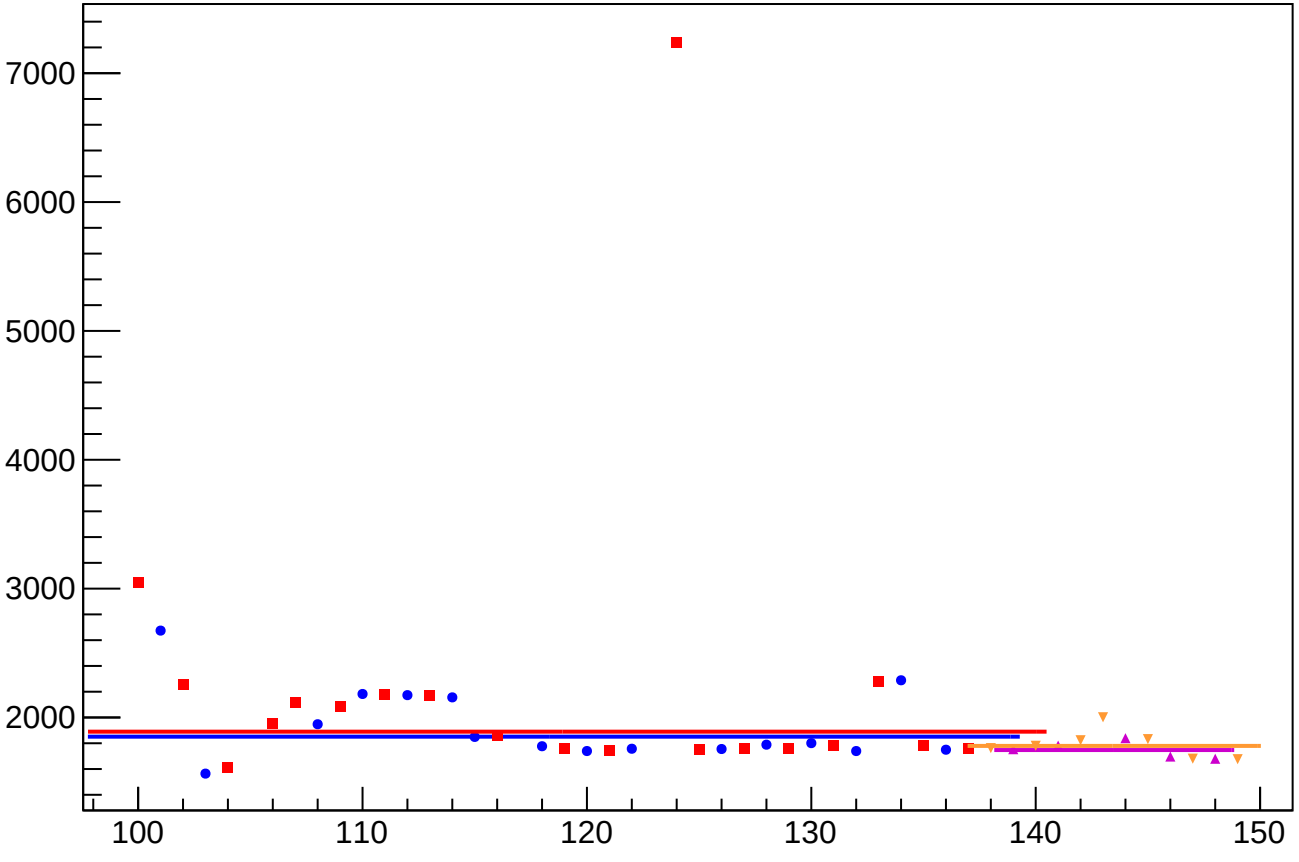
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1170.411+/-533.831 χ^2/NDF:18.2/20

Out: 225.501+/-520.375 χ^2/NDF:25.6/25

All: -454.641+/-372.627 χ^2/NDF: 47.3/46

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1779.434+/-0.545 χ^2/NDF:34177.5/6

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

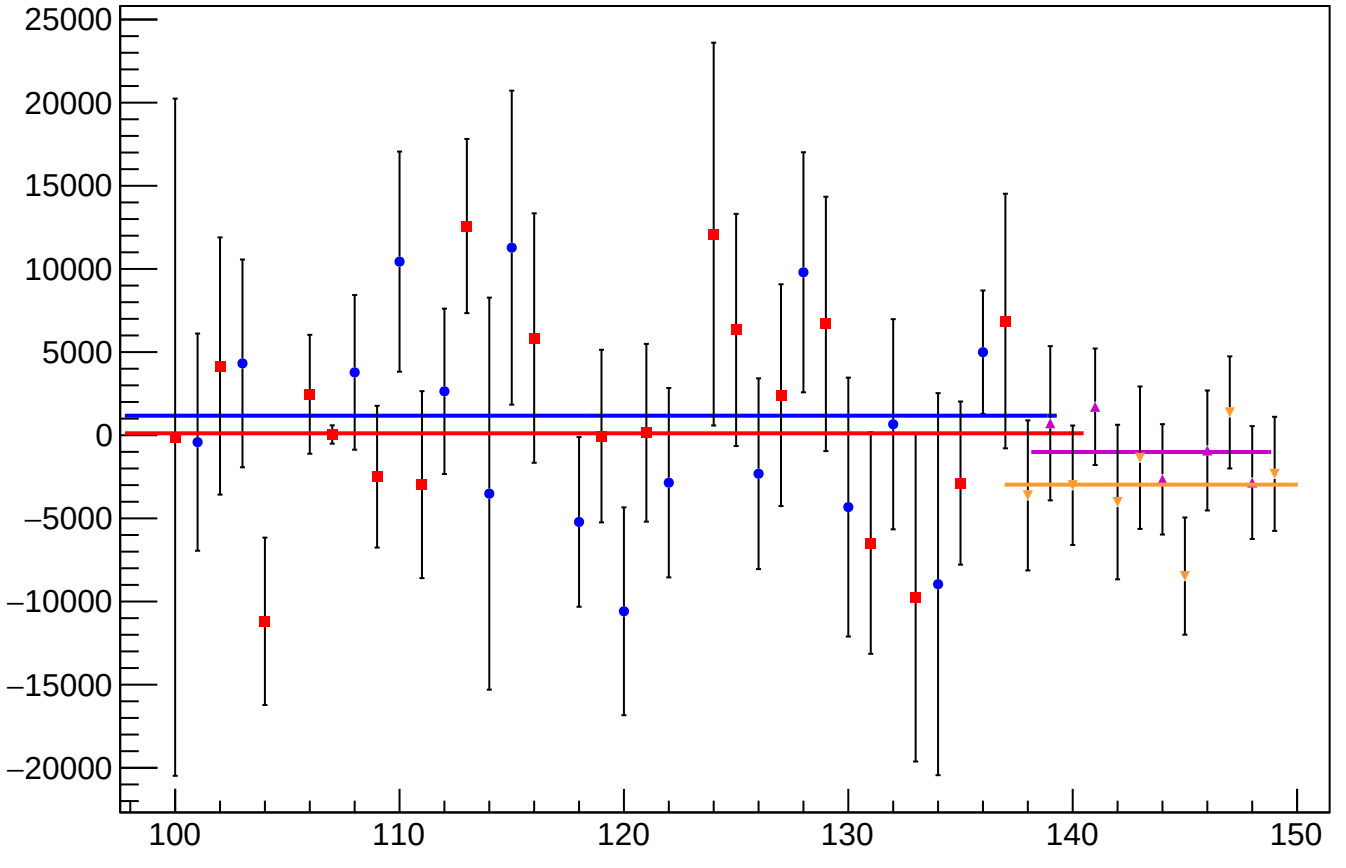
Left: 1764.679+/-0.400 χ^2/NDF: 45277.3/11

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1808.773+/-0.377 χ^2/NDF:287756.2/20

Out: 1839.622+/-0.368 χ^2/NDF:415739.5/25

All: 1824.608+/-0.263 χ^2/NDF: 706924.3/46



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2970.951+/-1441.752 χ^2/NDF:4.3/6

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1007.686+/-1617.383 χ^2/NDF:1.3/4

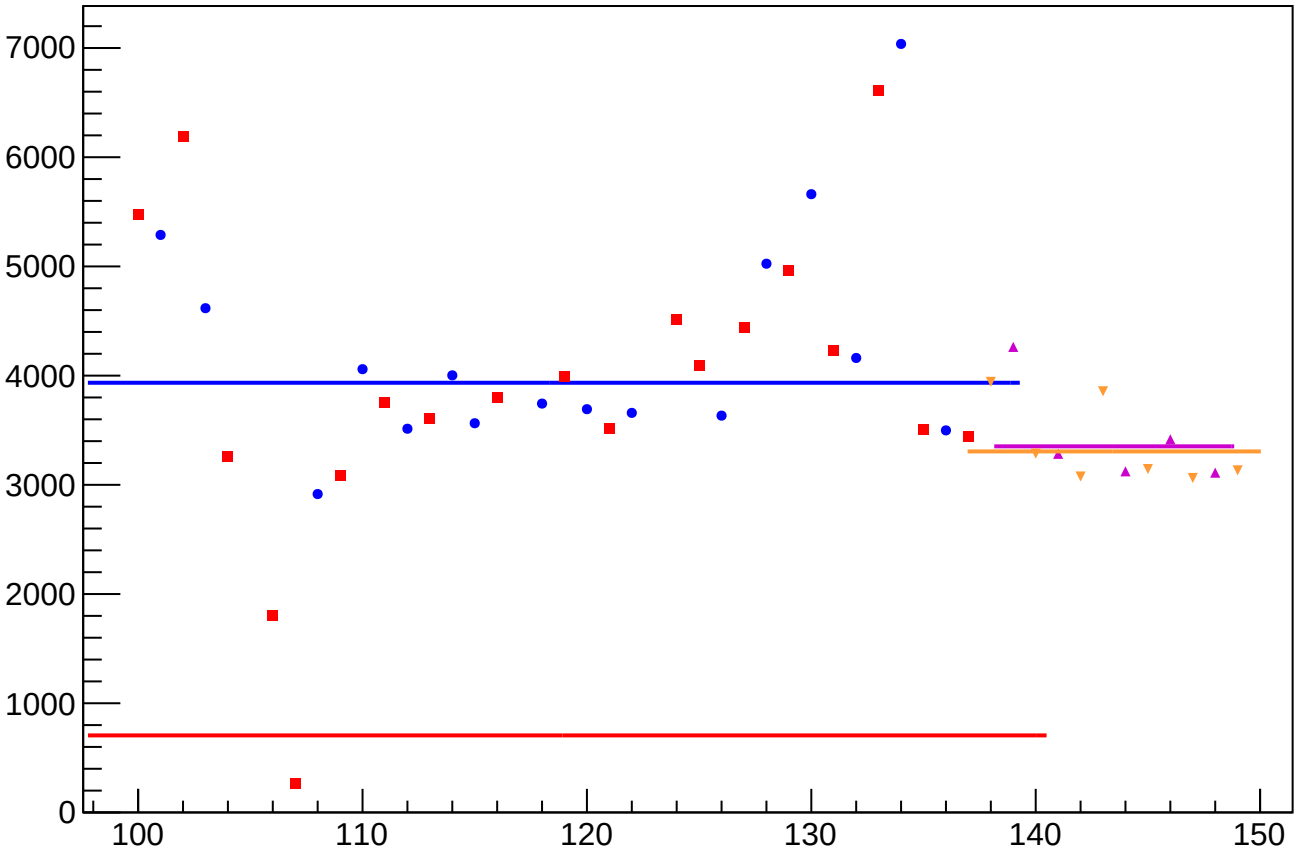
Left: -2101.664+/-1076.230 χ^2/NDF: 6.4/11

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 164.404+/-1100.660 χ^2/NDF:16.0/20

Out: -230.127+/-482.722 χ^2/NDF:27.0/25

All: -166.481+/-442.074 χ^2/NDF: 43.1/46



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3305.893+/-1.019 χ^2/NDF:97570.6/6

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

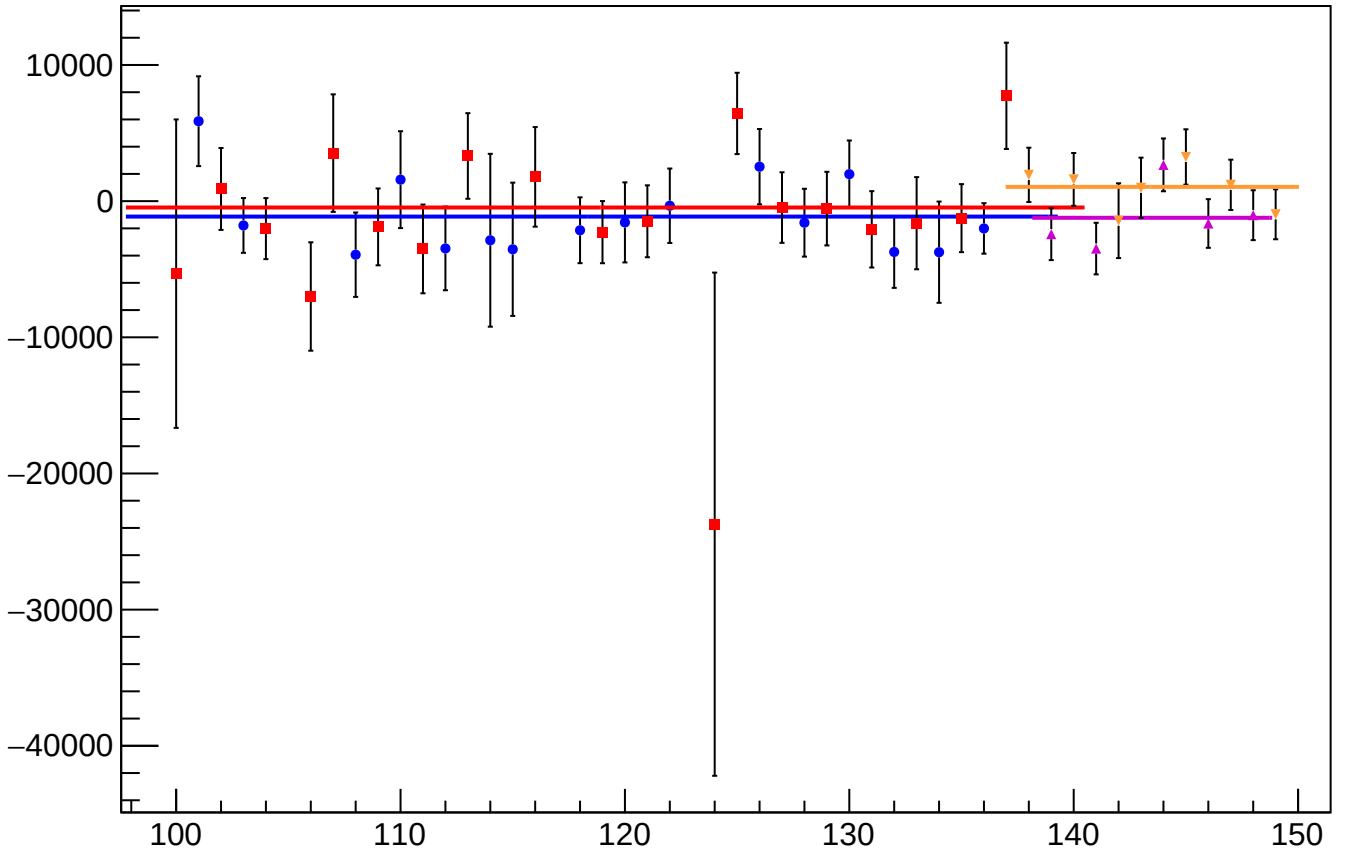
Left: 3326.521+/-0.761 χ^2/NDF: 196557.5/11

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3665.085+/-0.778 χ^2/NDF:797369.4/20

Out: 997.115+/-0.341 χ^2/NDF:16621084.8/25

All: 1427.508+/-0.313 χ^2/NDF: 27274047.4/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1048.308+/-770.096 χ^2/NDF:3.5/6

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1222.960+/-835.799 χ^2/NDF:5.9/4

Left: 5.445+/-566.345 χ^2/NDF: 13.4/11

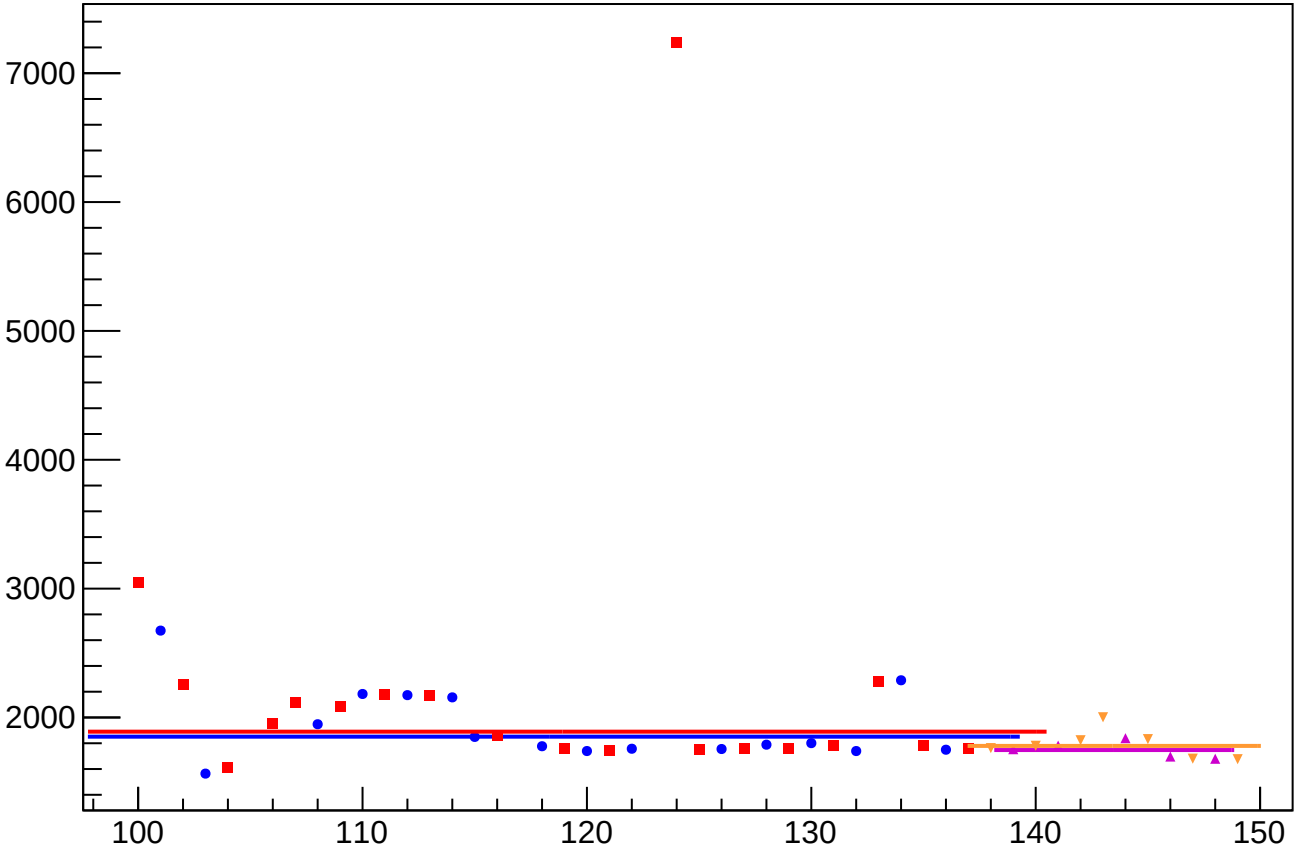
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1170.411+/-533.831 χ^2/NDF:18.2/20

Out: 225.501+/-520.375 χ^2/NDF:25.6/25

All: -454.641+/-372.627 χ^2/NDF: 47.3/46

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1779.434+/-0.545 χ^2/NDF:34177.5/6

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1747.298+/-0.591 χ^2/NDF:9500.7/4

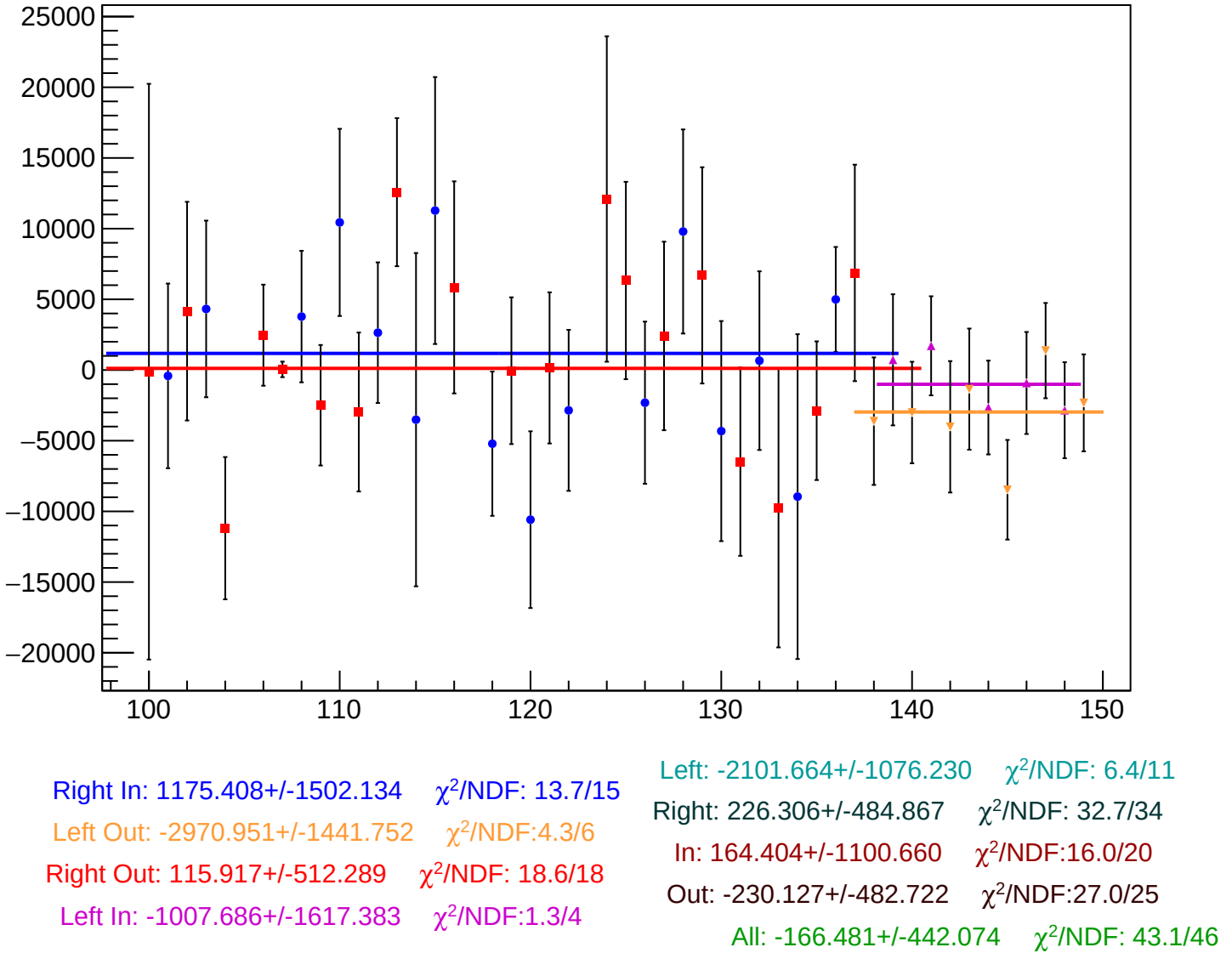
Left: 1764.679+/-0.400 χ^2/NDF: 45277.3/11

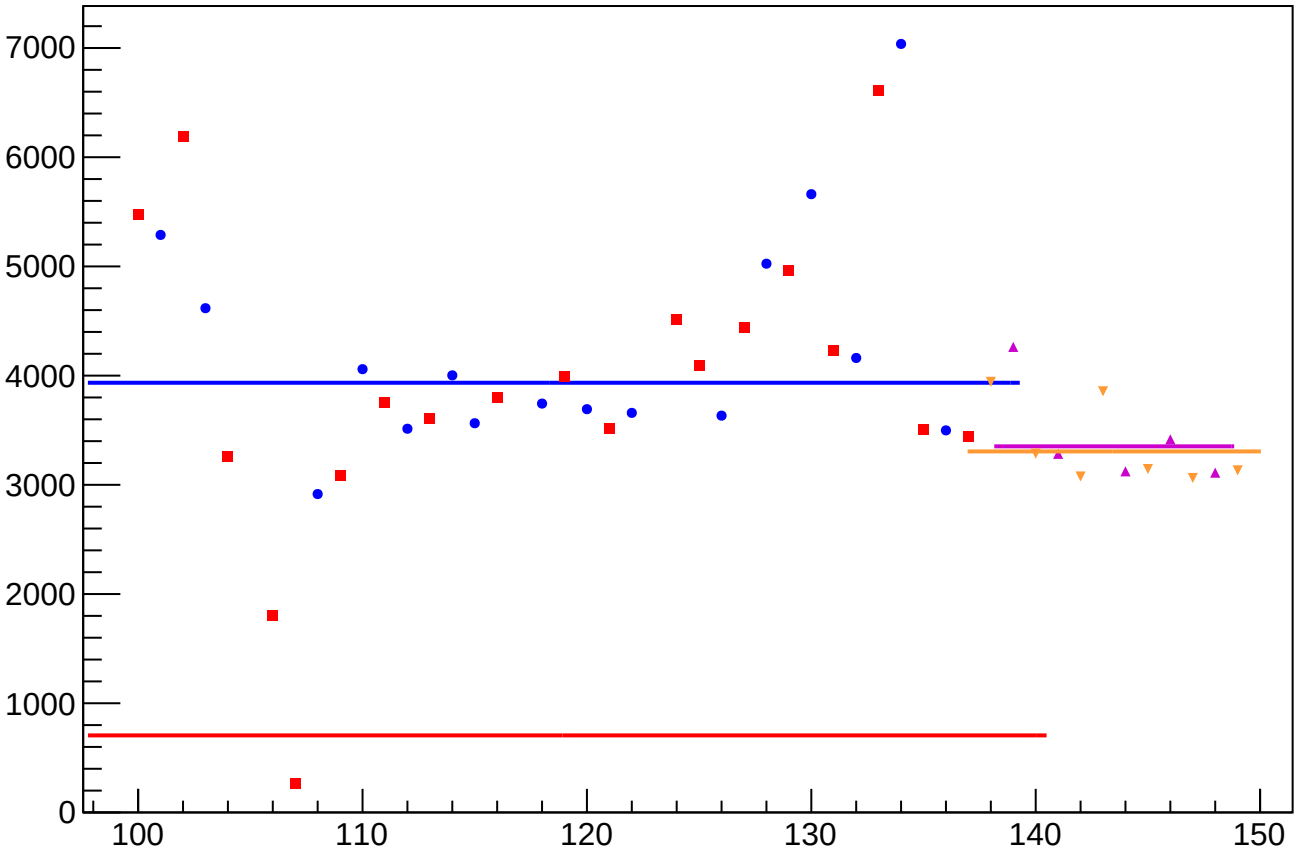
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1808.773+/-0.377 χ^2/NDF:287756.2/20

Out: 1839.622+/-0.368 χ^2/NDF:415739.5/25

All: 1824.608+/-0.263 χ^2/NDF: 706924.3/46


asym_atl1r2_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: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -2970.951+/-1441.752 χ²/NDF:4.3/6
Right Out: 115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -1007.686+/-1617.383 χ²/NDF:1.3/4
Left: -2101.664+/-1076.230 χ²/NDF: 6.4/11
Right: 226.306+/-484.867 χ²/NDF: 32.7/34
In: 164.404+/-1100.660 χ²/NDF:16.0/20
Out: -230.127+/-482.722 χ²/NDF:27.0/25
All: -166.481+/-442.074 χ²/NDF: 43.1/46



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3305.893+/-1.019 χ^2/NDF:97570.6/6

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3352.481+/-1.144 χ^2/NDF:98062.3/4

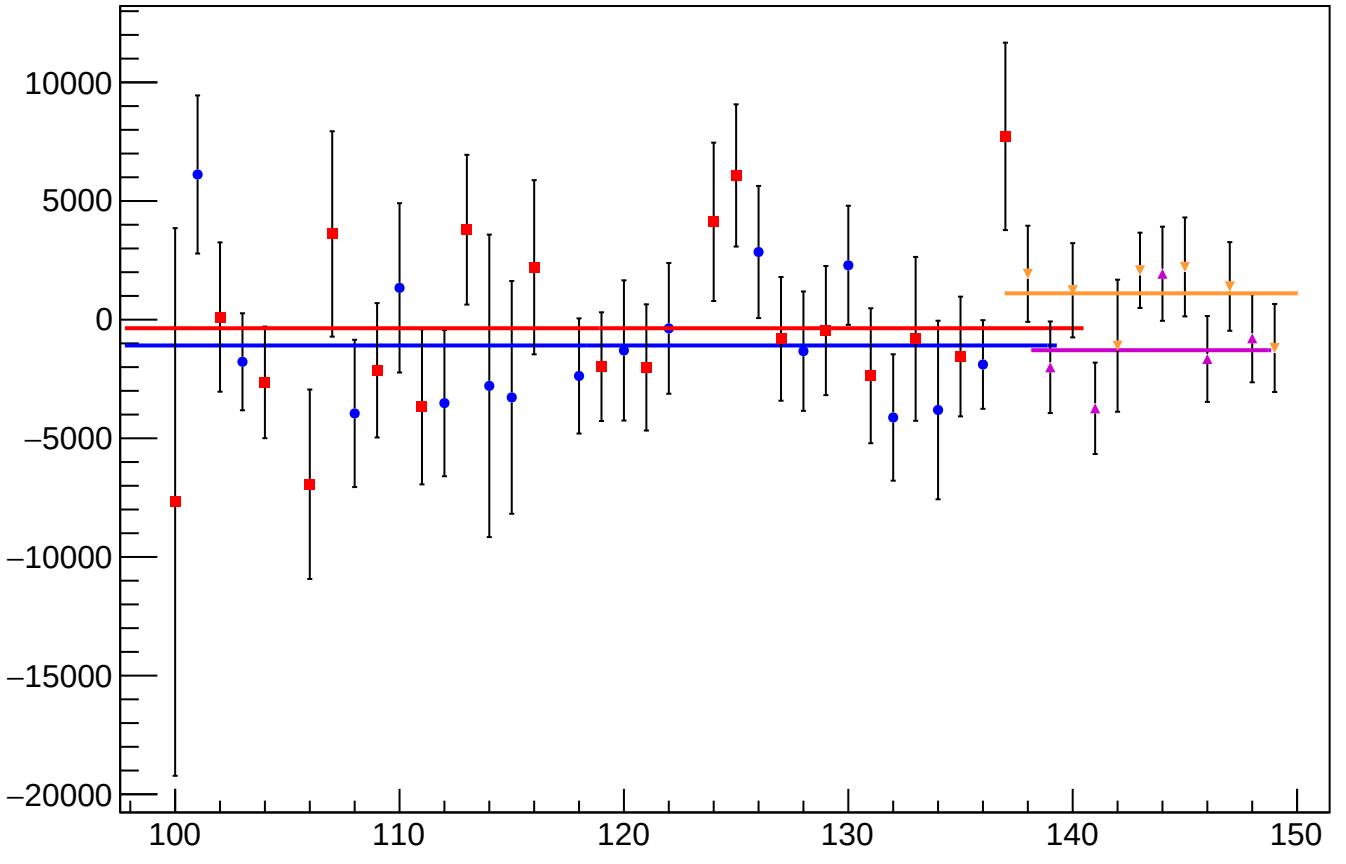
Left: 3326.521+/-0.761 χ^2/NDF: 196557.5/11

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3665.085+/-0.778 χ^2/NDF:797369.4/20

Out: 997.115+/-0.341 χ^2/NDF:16621084.8/25

All: 1427.508+/-0.313 χ^2/NDF: 27274047.4/4



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1110.556+/-739.064 χ^2/NDF:3.0/6

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1287.676+/-848.708 χ^2/NDF:4.5/4

Left: 76.264+/-557.358 χ^2/NDF: 12.1/11

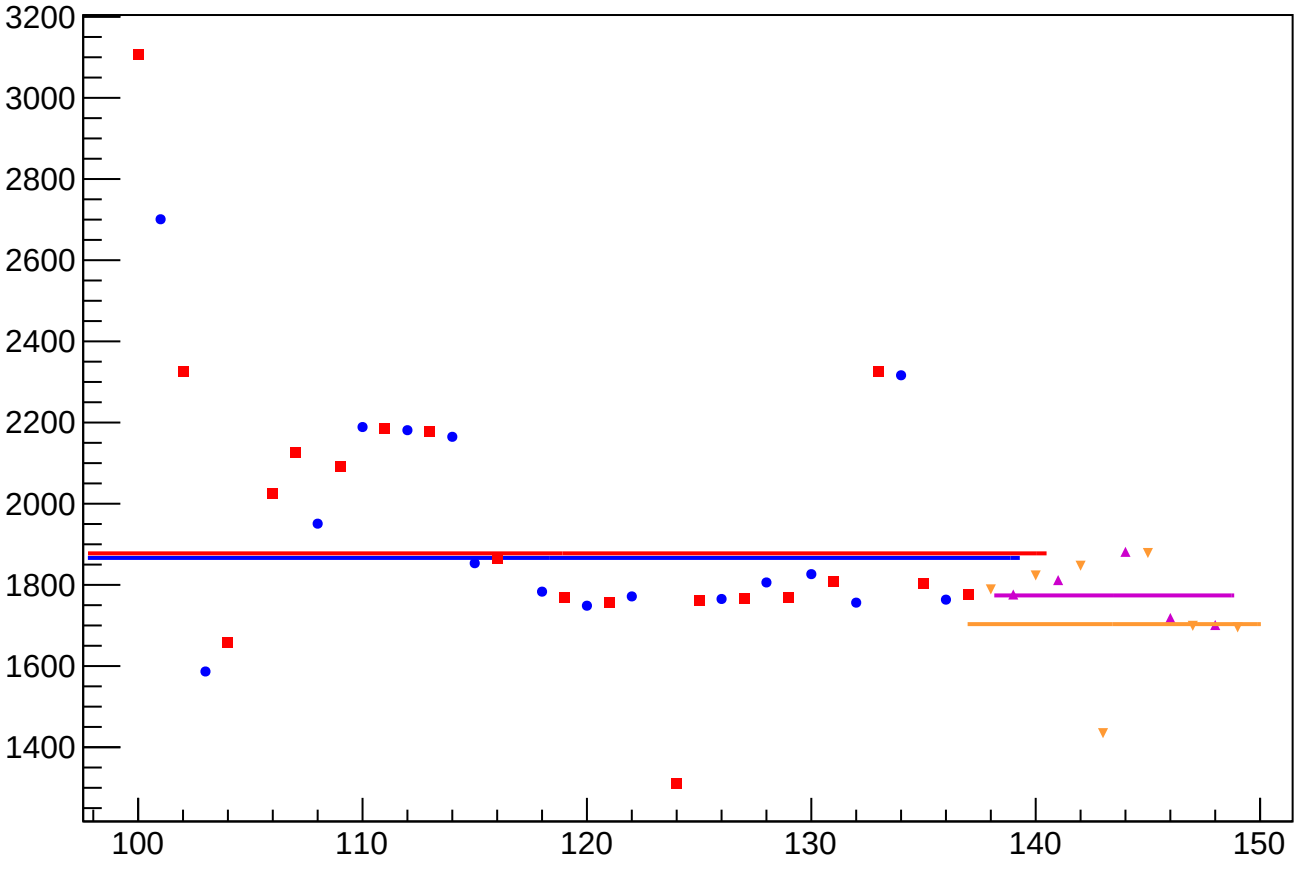
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1168.622+/-539.826 χ^2/NDF:17.7/20

Out: 334.395+/-508.096 χ^2/NDF:25.9/25

All: -371.646+/-369.987 χ^2/NDF: 47.8/46

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1703.325+/-0.523 χ^2/NDF:87658.6/6

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1774.029+/-0.600 χ^2/NDF:11617.5/4

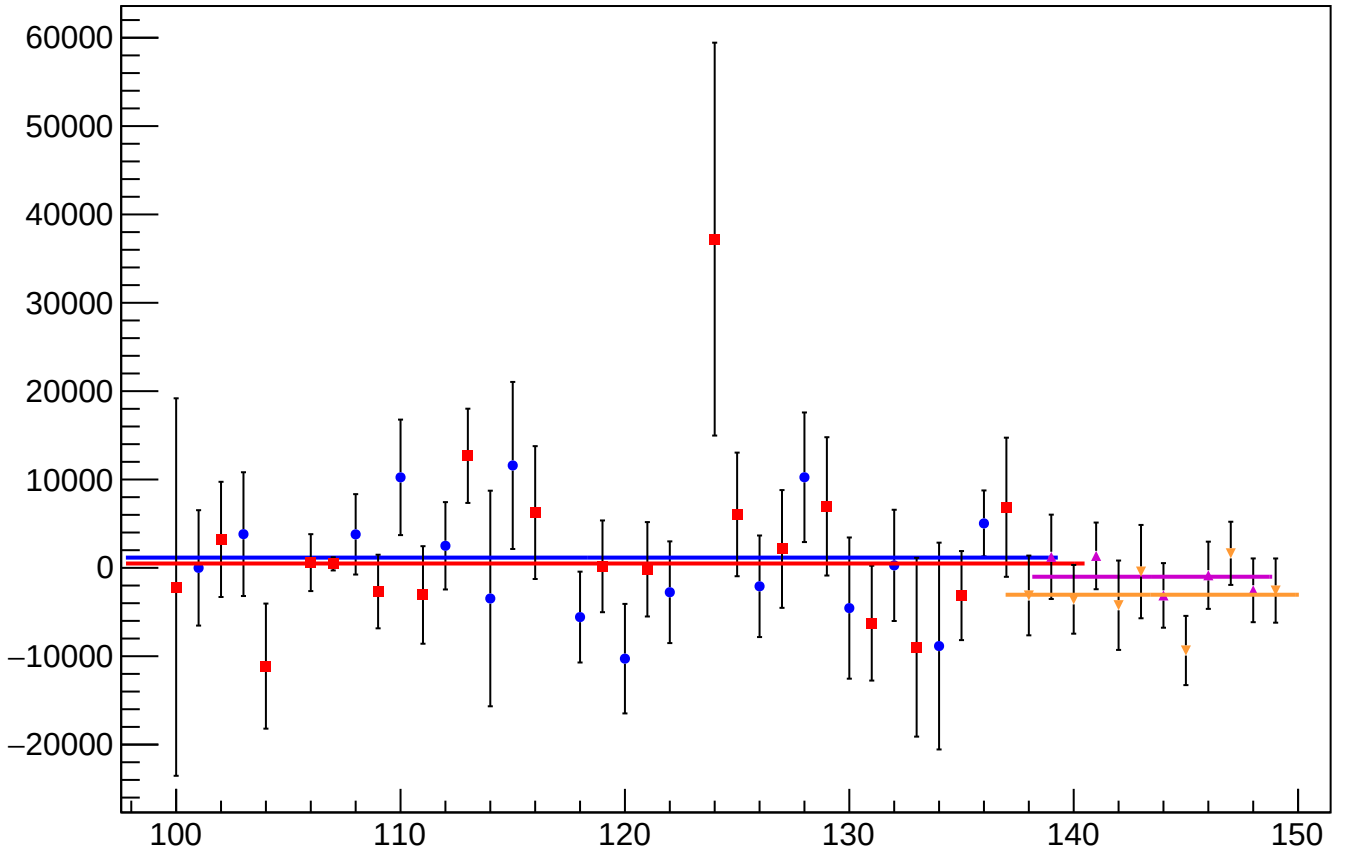
Left: 1733.818+/-0.394 χ^2/NDF: 107170.2/11

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1829.063+/-0.382 χ^2/NDF:282003.3/20

Out: 1795.334+/-0.359 χ^2/NDF:398241.5/25

All: 1811.171+/-0.262 χ^2/NDF: 684386.5/46



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3041.050+/-1563.097 χ^2/NDF:4.6/6

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -1004.522+/-1728.058 χ^2/NDF:1.1/4

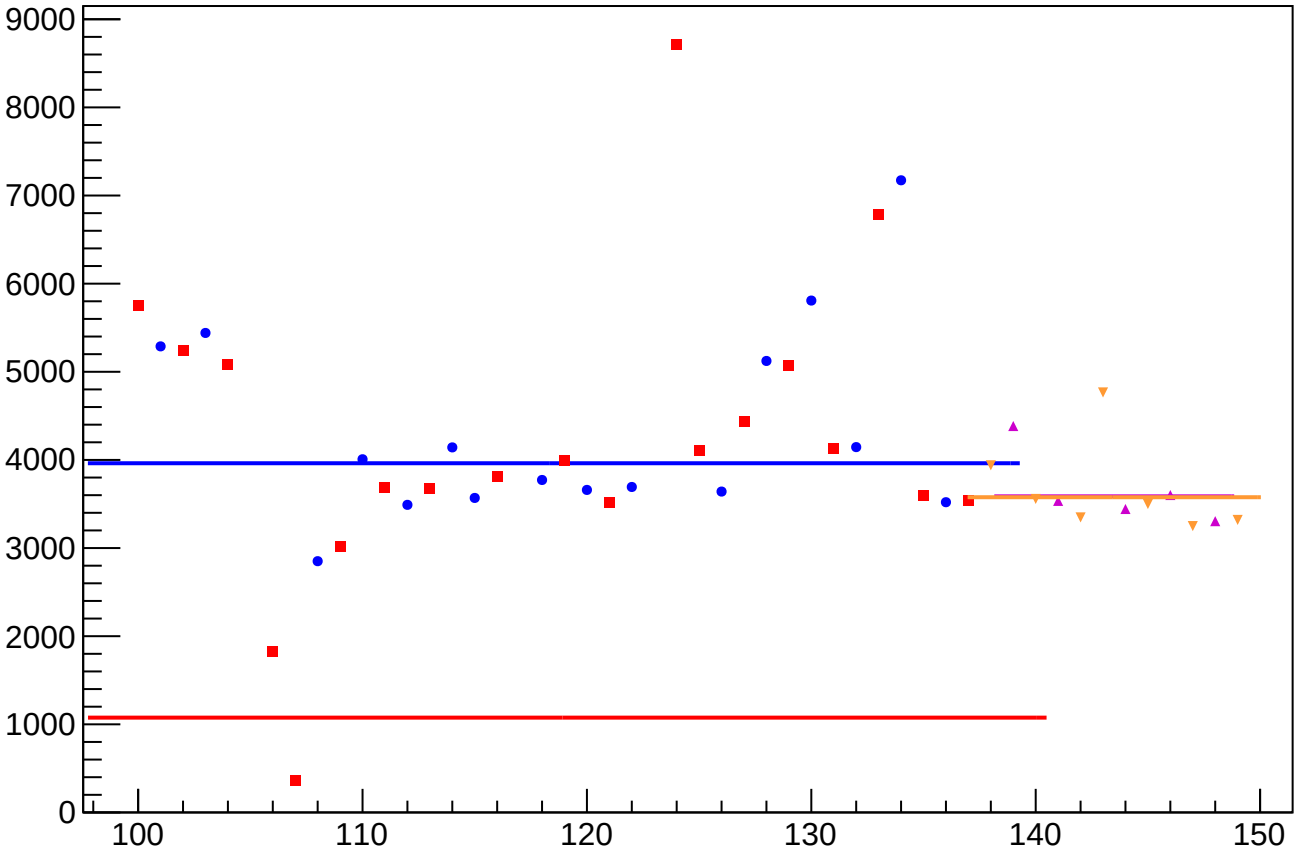
Left: -2124.606+/-1159.221 χ^2/NDF: 6.5/11

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 221.916+/-1138.008 χ^2/NDF:15.7/20

Out: -39.766+/-606.856 χ^2/NDF:25.9/25

All: 18.172+/-535.477 χ^2/NDF: 41.6/46



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3576.735+/-1.105 χ^2/NDF:146003.2/6

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3586.990+/-1.222 χ^2/NDF:71542.9/4

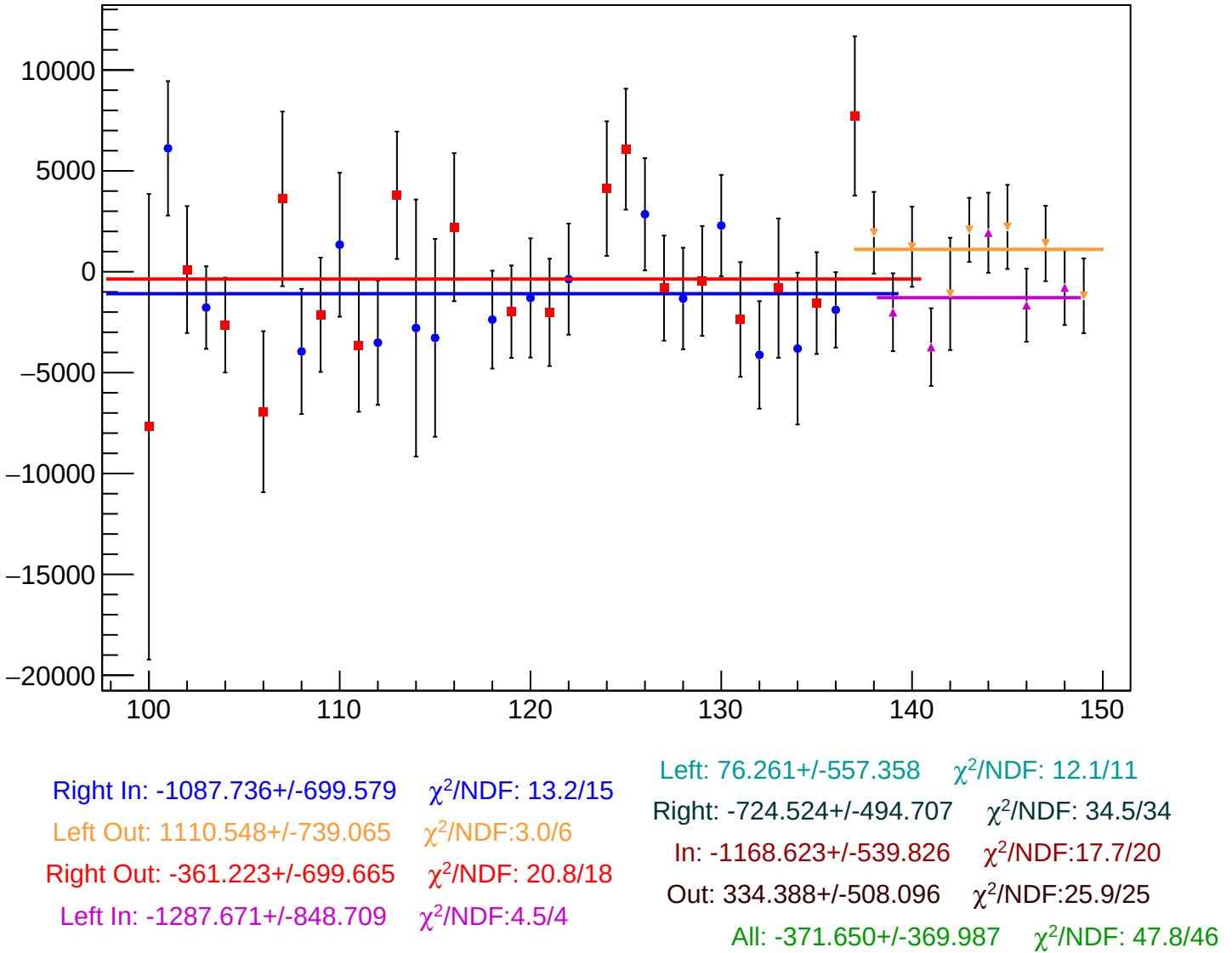
Left: 3581.350+/-0.820 χ^2/NDF: 217584.8/11

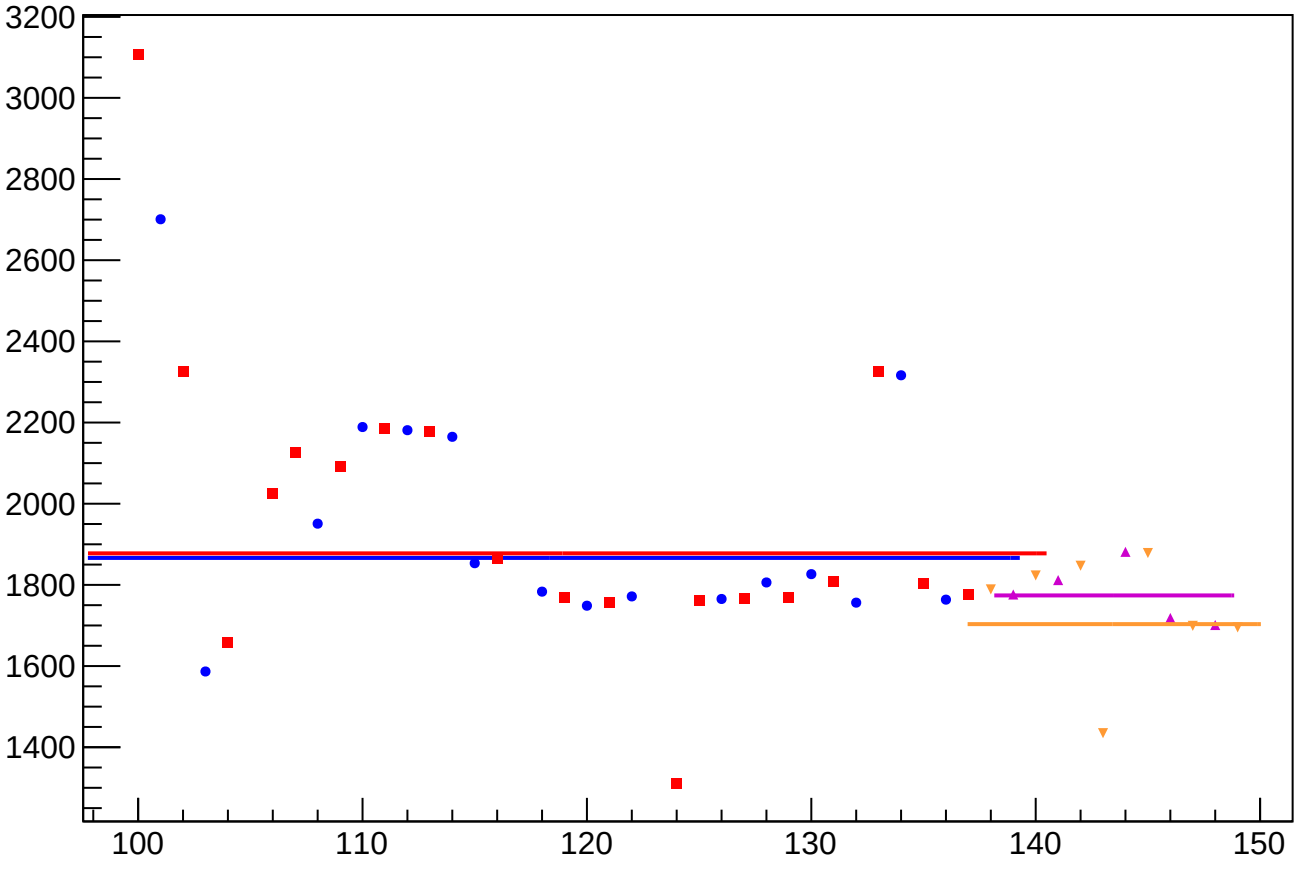
Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3799.572+/-0.805 χ^2/NDF:793327.7/20

Out: 1452.899+/-0.429 χ^2/NDF:14052021.0/25

All: 1972.468+/-0.379 χ^2/NDF: 21466827.0/4


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 1110.548+/-739.065 χ²/NDF:3.0/6
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -1287.671+/-848.709 χ²/NDF:4.5/4
Left: 76.261+/-557.358 χ²/NDF: 12.1/11
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1168.623+/-539.826 χ²/NDF:17.7/20
Out: 334.388+/-508.096 χ²/NDF:25.9/25
All: -371.650+/-369.987 χ²/NDF: 47.8/46



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1703.326+/-0.523 χ^2/NDF:87657.7/6

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1774.030+/-0.600 χ^2/NDF:11617.4/4

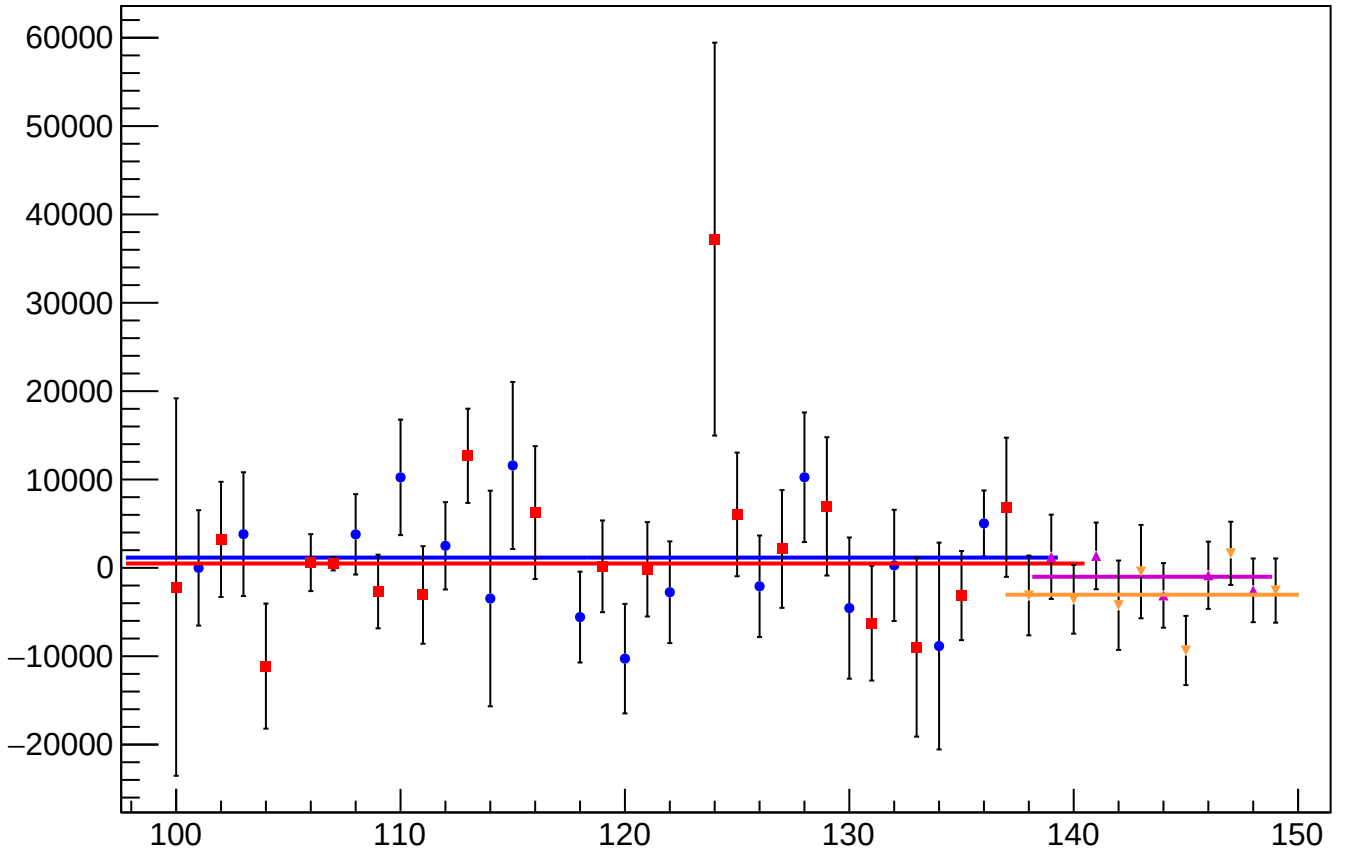
Left: 1733.819+/-0.394 χ^2/NDF: 107169.1/11

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1829.063+/-0.382 χ^2/NDF:282002.9/20

Out: 1795.335+/-0.359 χ^2/NDF:398240.1/25

All: 1811.171+/-0.262 χ^2/NDF: 684384.6/46



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -3041.055+/-1563.099 χ^2/NDF:4.6/6

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -1004.515+/-1728.060 χ^2/NDF:1.1/4

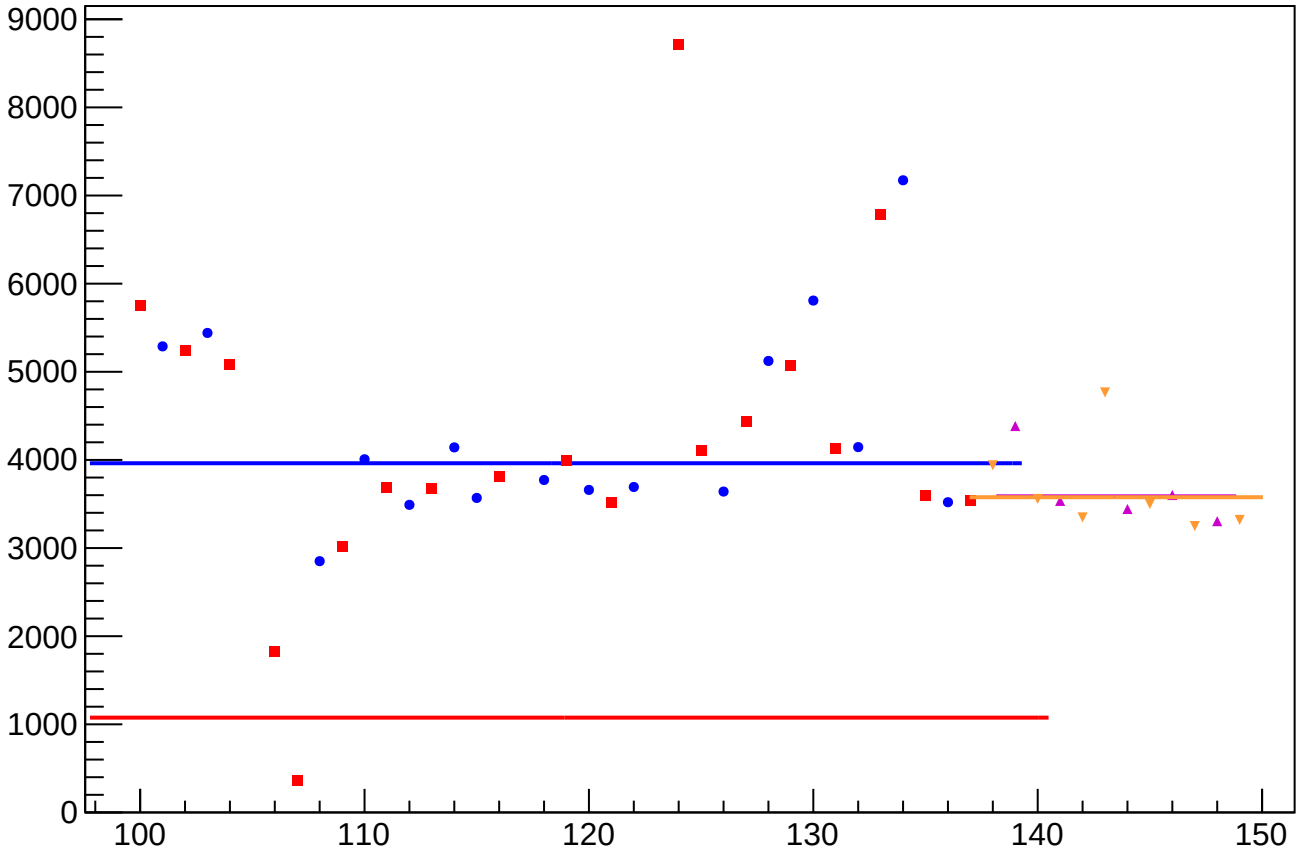
Left: -2124.606+/-1159.222 χ^2/NDF: 6.5/11

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 221.910+/-1138.008 χ^2/NDF:15.7/20

Out: -39.774+/-606.864 χ^2/NDF:25.9/25

All: 18.166+/-535.483 χ^2/NDF: 41.6/46



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3576.739+/-1.105 χ^2/NDF:146001.5/6

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: 3581.354+/-0.820 χ^2/NDF: 217583.6/11

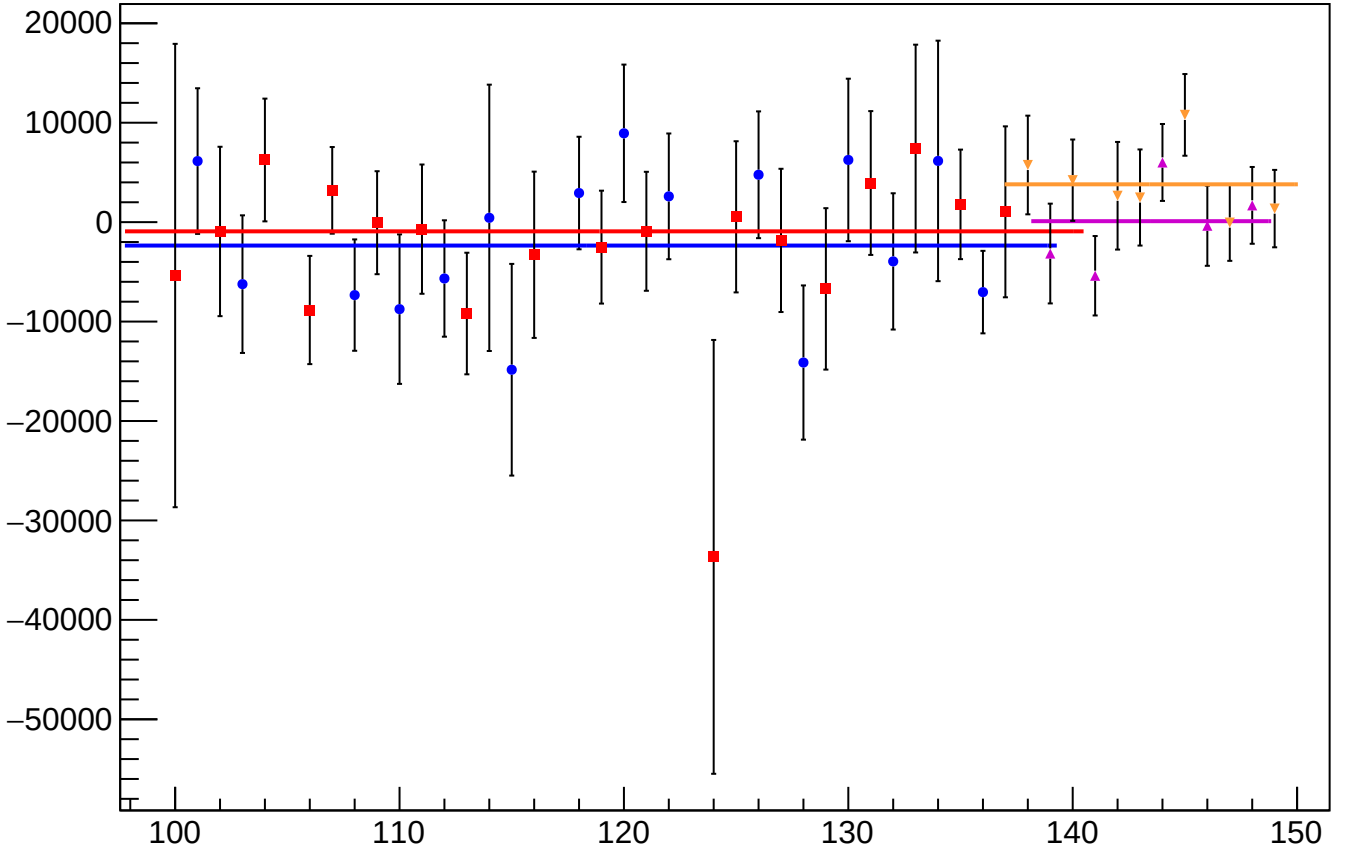
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3799.571+/-0.805 χ^2/NDF:793321.4/20

Out: 1452.935+/-0.429 χ^2/NDF:14051767.3/25

All: 1972.508+/-0.379 χ^2/NDF: 21466317.8/4

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 3804.323+/-1643.586 χ^2/NDF:4.6/6

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: 2151.644+/-1223.564 χ^2/NDF: 11.7/11

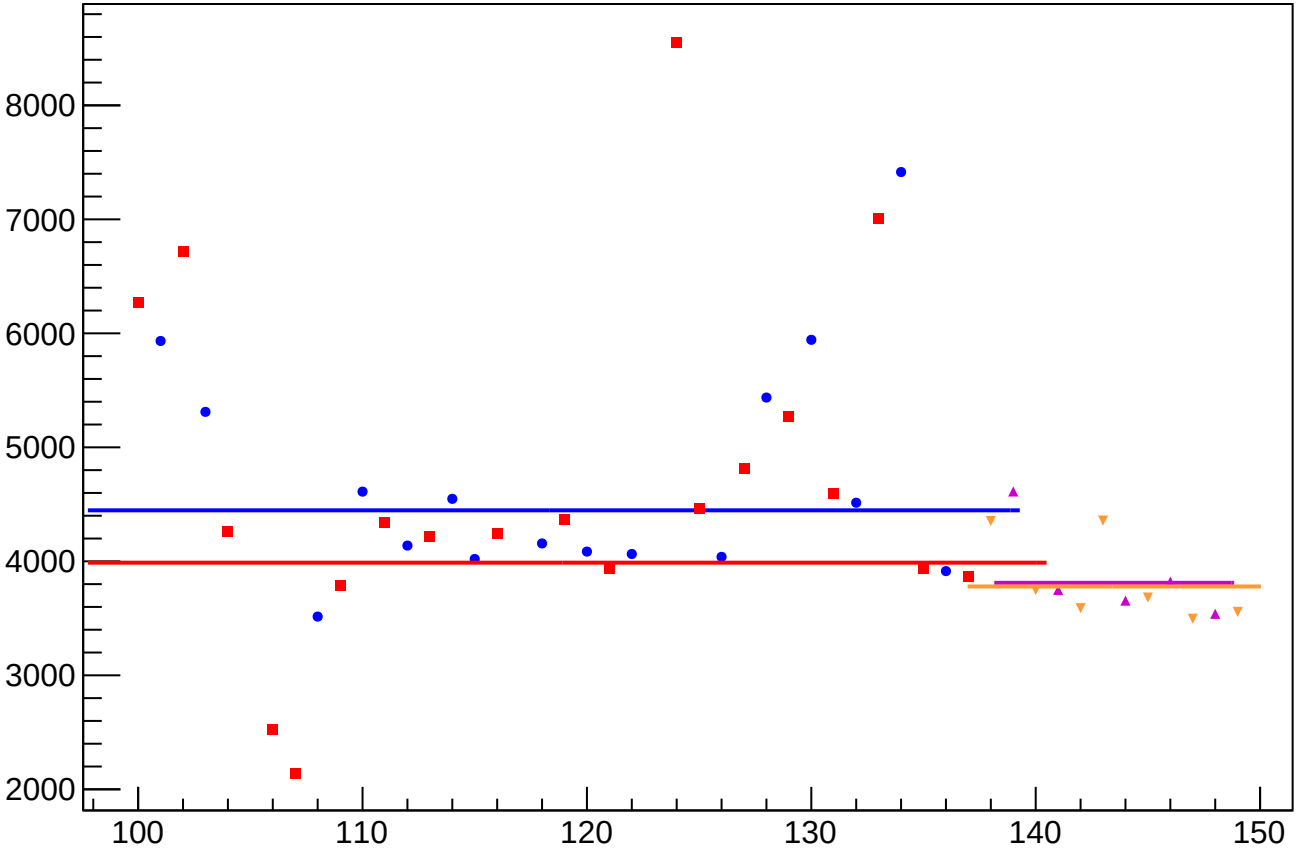
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1231.719+/-1240.280 χ^2/NDF:21.3/20

Out: 1296.512+/-1126.450 χ^2/NDF:19.6/25

All: 153.713+/-833.866 χ^2/NDF: 43.2/46

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3779.470+/-1.162 χ^2/NDF:76450.9/6

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3811.353+/-1.296 χ^2/NDF:64708.0/4

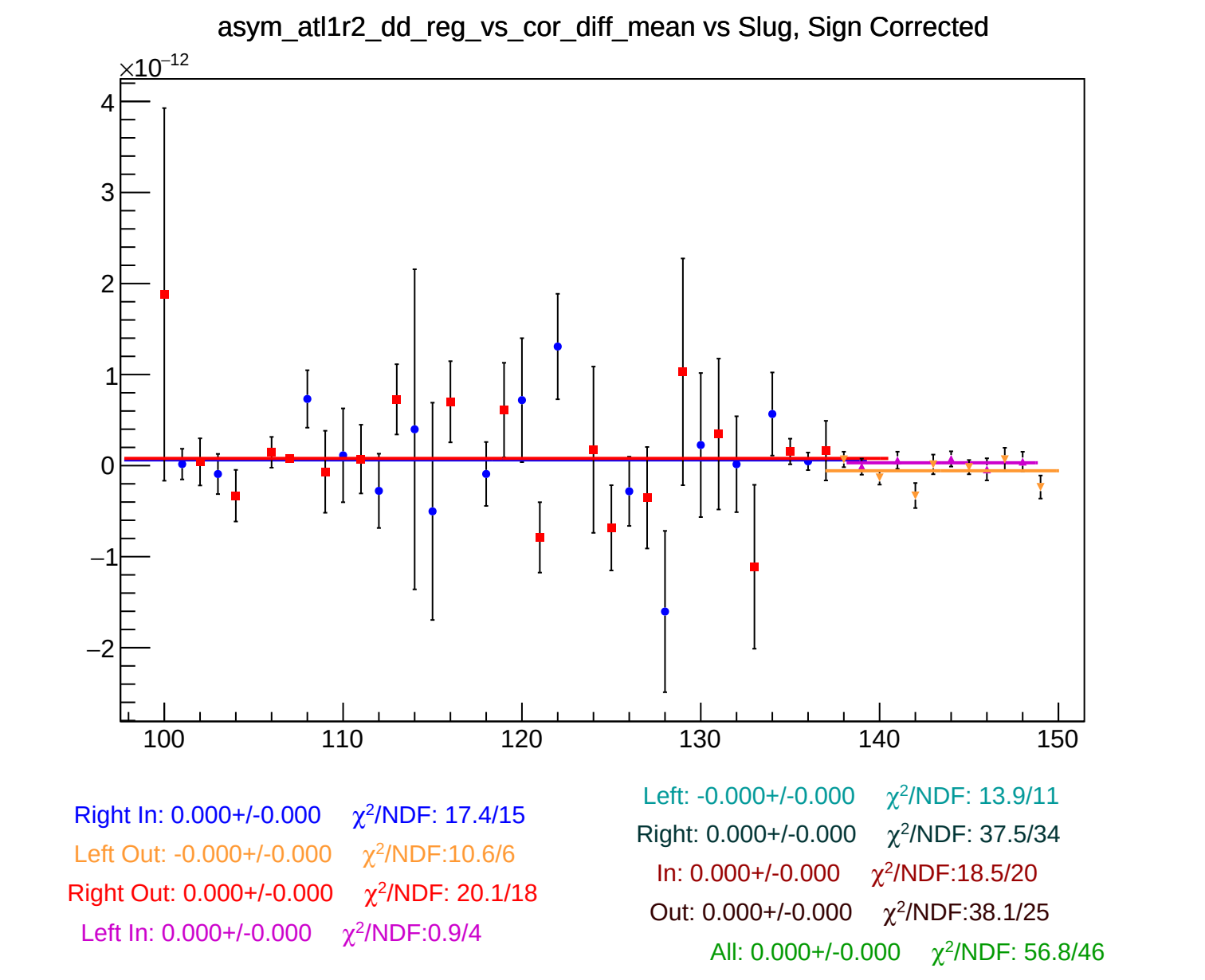
Left: 3793.683+/-0.865 χ^2/NDF: 141494.4/11

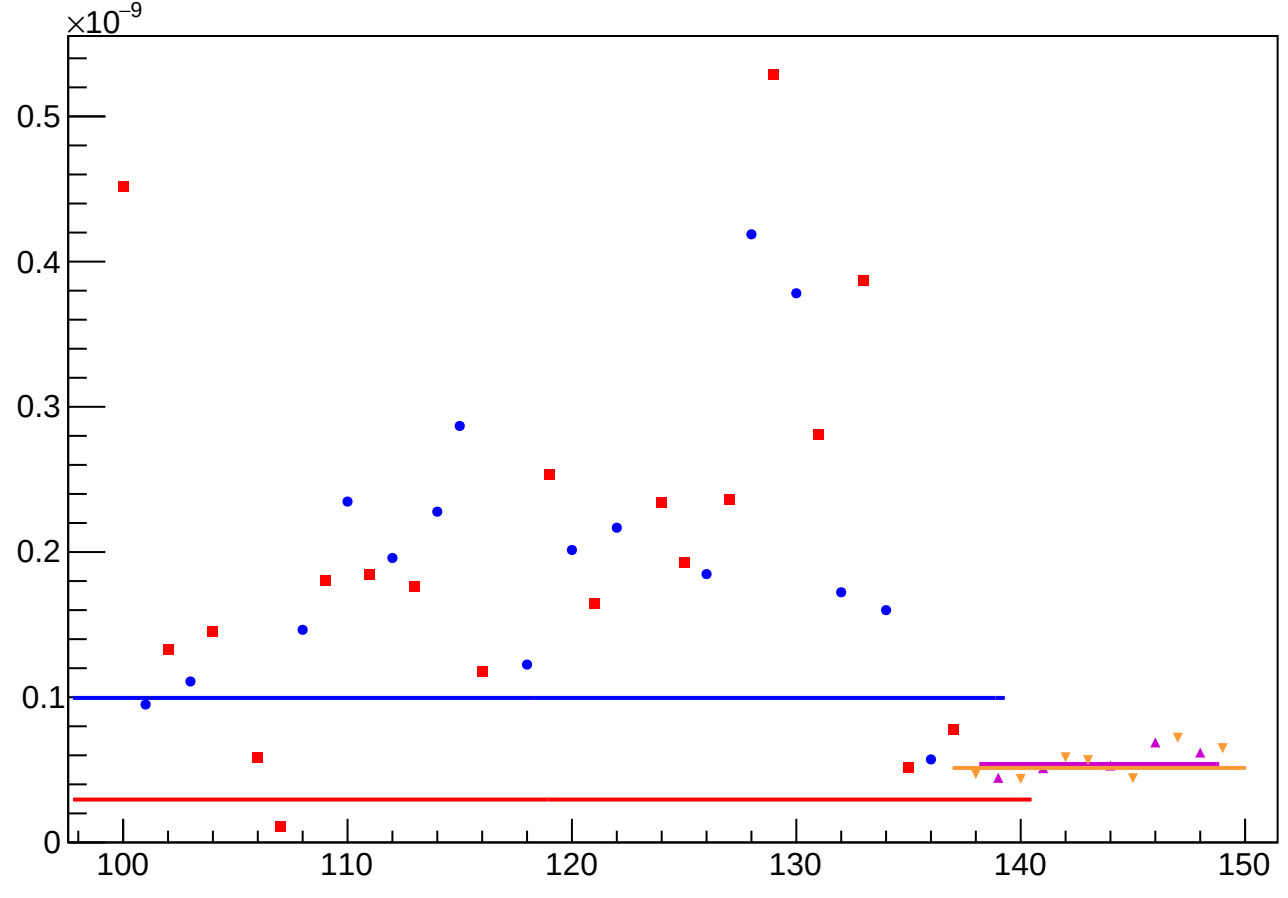
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4156.065+/-0.877 χ^2/NDF:653538.8/20

Out: 3891.217+/-0.792 χ^2/NDF:1237656.2/25

All: 4010.236+/-0.588 χ^2/NDF: 1941409.6/46


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:10.6/6
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: 13.9/11
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:38.1/25
All: 0.000+/-0.000 χ²/NDF: 56.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:126933.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:66020.1/4

Left: 0.000+/-0.000 χ^2/NDF: 197529.9/11

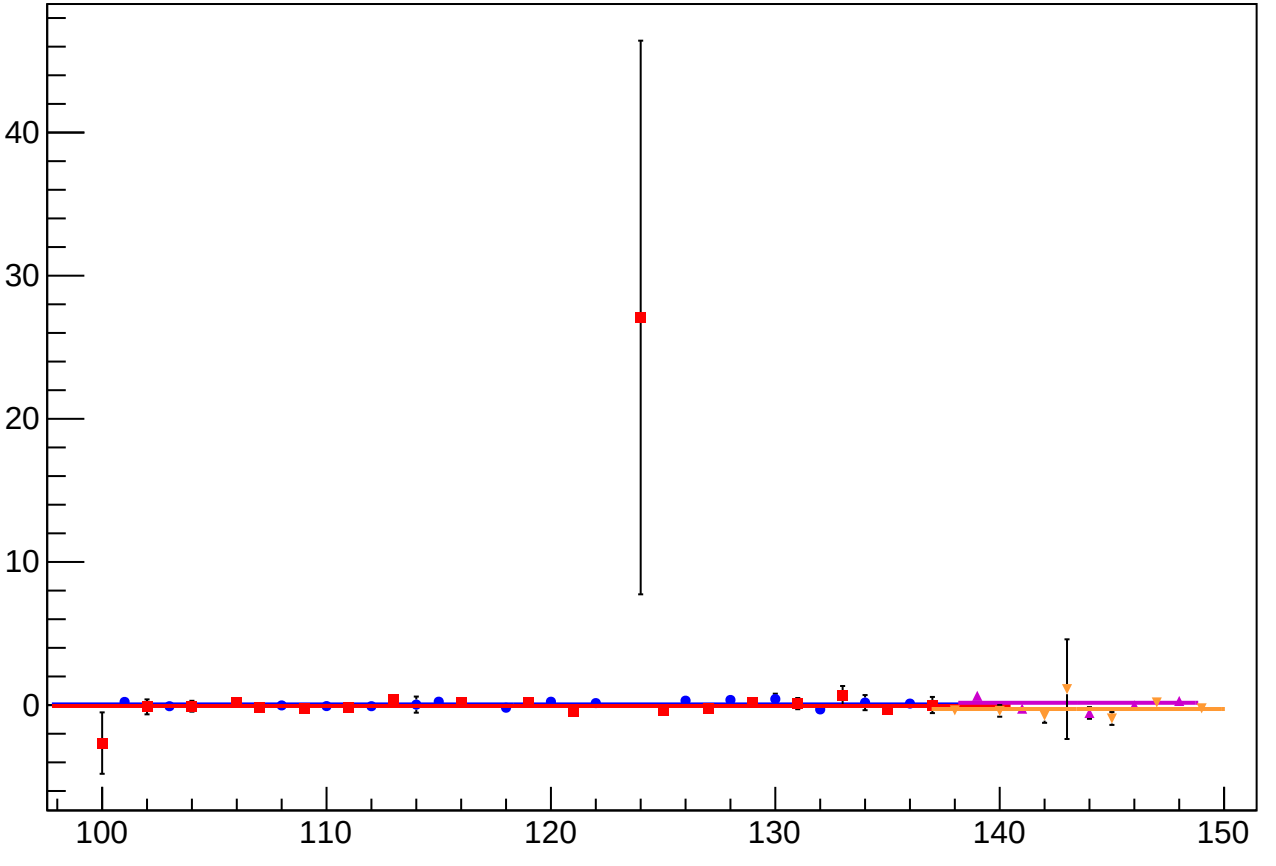
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2265732.9/20

Out: 0.000+/-0.000 χ^2/NDF:4872612.3/25

All: 0.000+/-0.000 χ^2/NDF: 7934782.1/46

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: -0.272+/-0.138 χ^2/NDF:6.2/6

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.162+/-0.132 χ^2/NDF:9.3/4

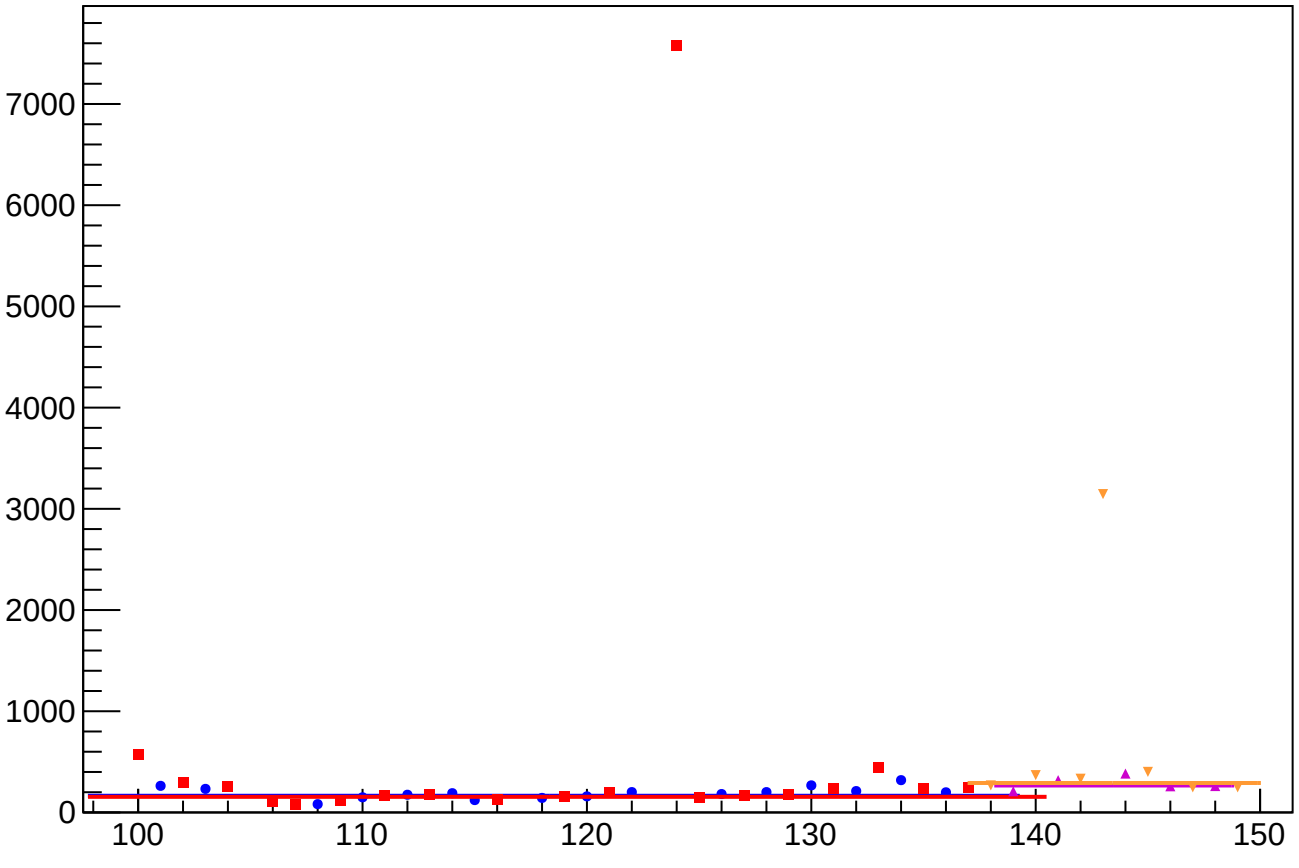
Left: -0.045+/-0.095 χ^2/NDF: 20.6/11

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.099+/-0.058 χ^2/NDF:26.5/25

All: -0.015+/-0.042 χ^2/NDF: 48.2/46



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 291.182+/-0.098 χ^2/NDF:1662637.6/6

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: 278.203+/-0.068 χ^2/NDF: 2027231.8/11

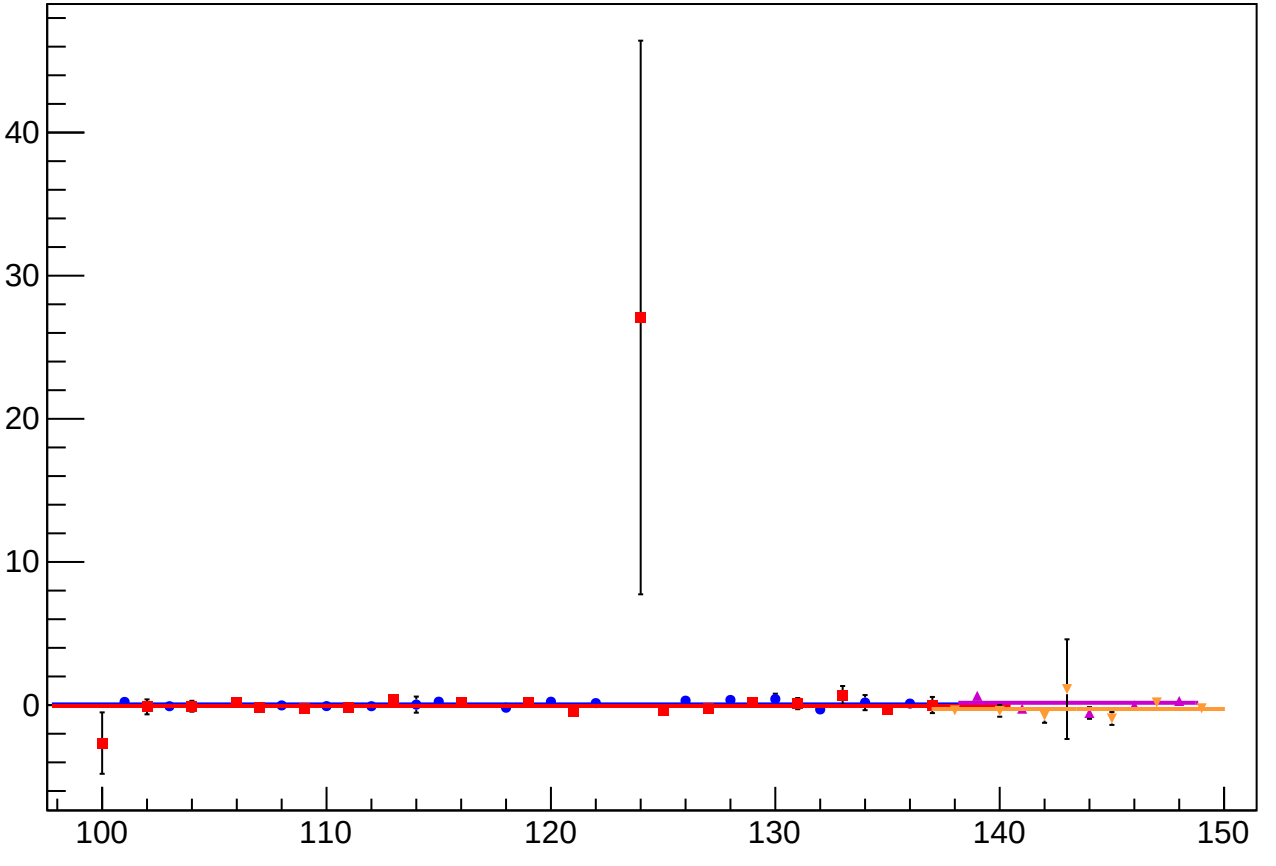
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 185.389+/-0.042 χ^2/NDF:2751013.3/20

Out: 178.748+/-0.041 χ^2/NDF:5190745.6/25

All: 182.016+/-0.029 χ^2/NDF: 7954490.4/46

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: -0.272+/-0.138 χ^2/NDF:6.2/6

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: -0.045+/-0.095 χ^2/NDF: 20.6/11

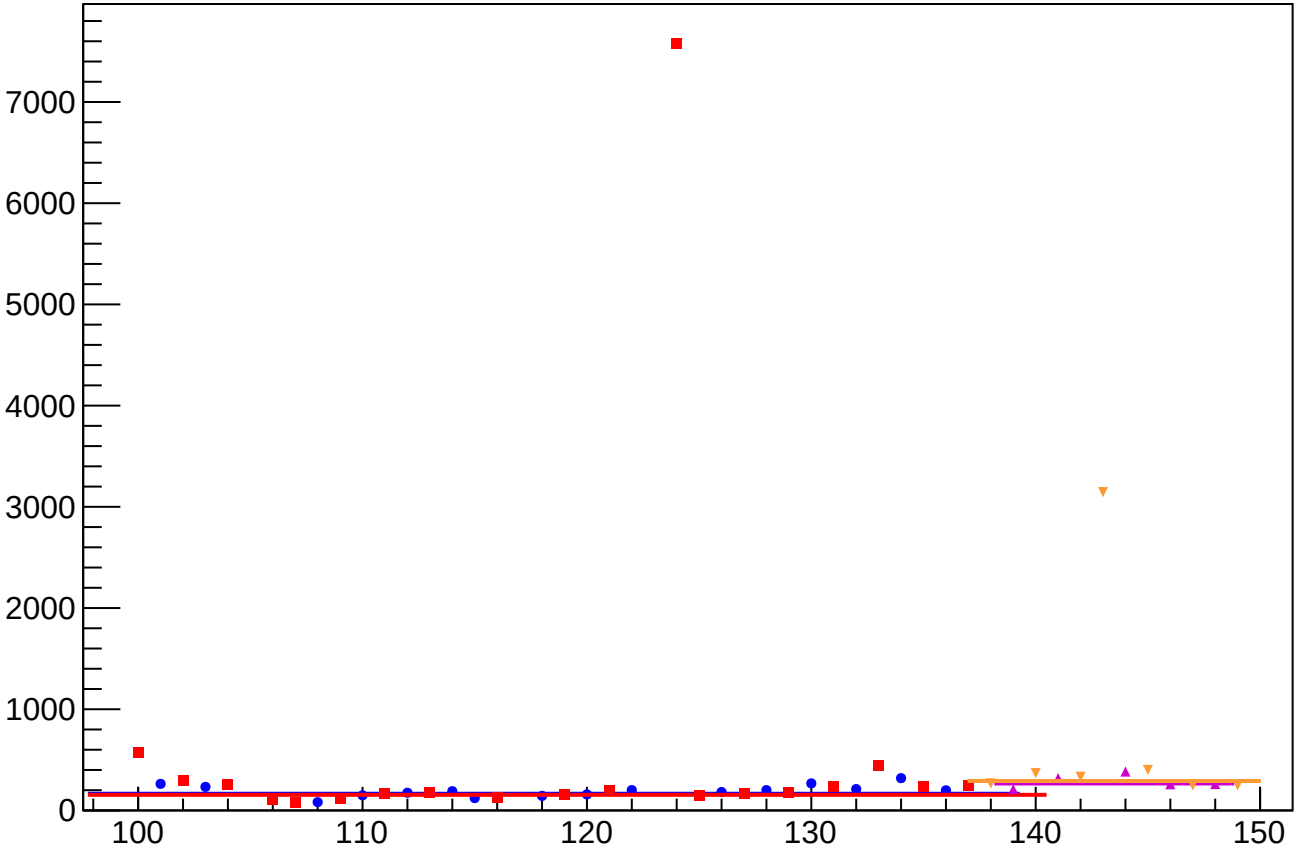
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.099+/-0.058 χ^2/NDF:26.5/25

All: -0.015+/-0.042 χ^2/NDF: 48.2/46

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 291.182+/-0.098 χ^2/NDF:1662637.6/6

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 266.403+/-0.093 χ^2/NDF:330996.2/4

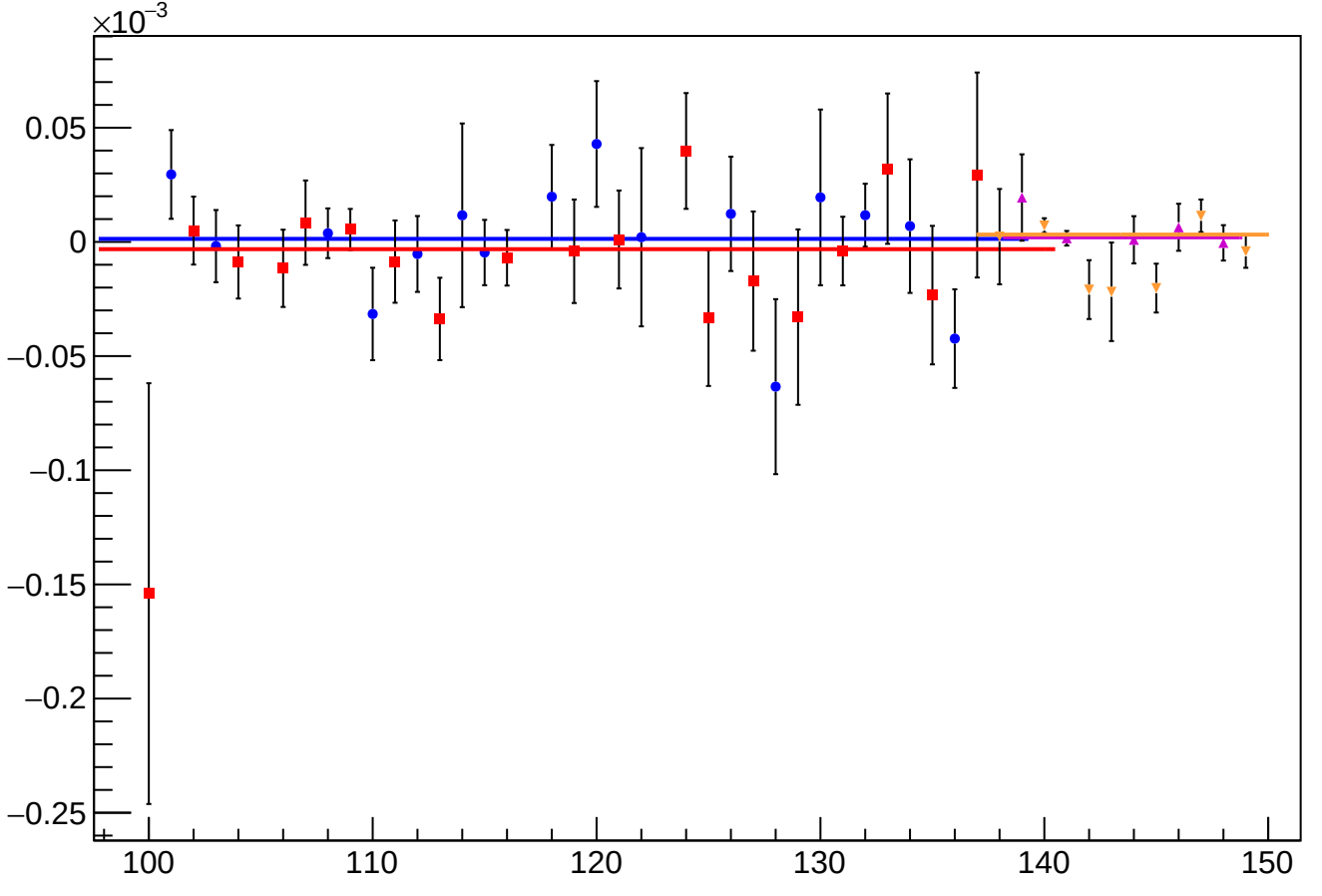
Left: 278.203+/-0.068 χ^2/NDF: 2027231.8/11

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 185.389+/-0.042 χ^2/NDF:2751013.3/20

Out: 178.748+/-0.041 χ^2/NDF:5190745.6/25

All: 182.016+/-0.029 χ^2/NDF: 7954490.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

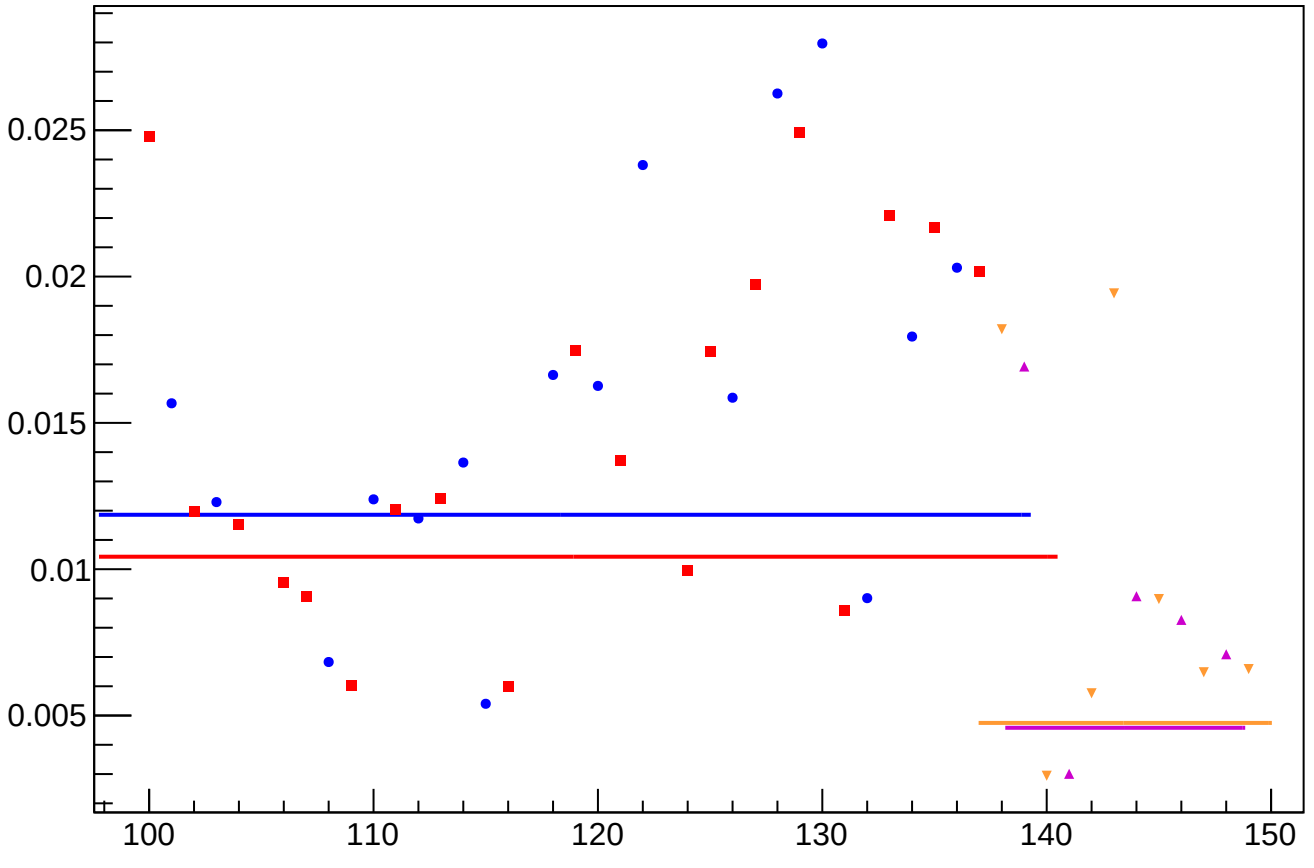
Left: 0.000+/-0.000 χ^2/NDF: 14.8/11

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:29.8/25

All: 0.000+/-0.000 χ^2/NDF: 47.1/46



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2962074.4/6

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: 5144198.5/11

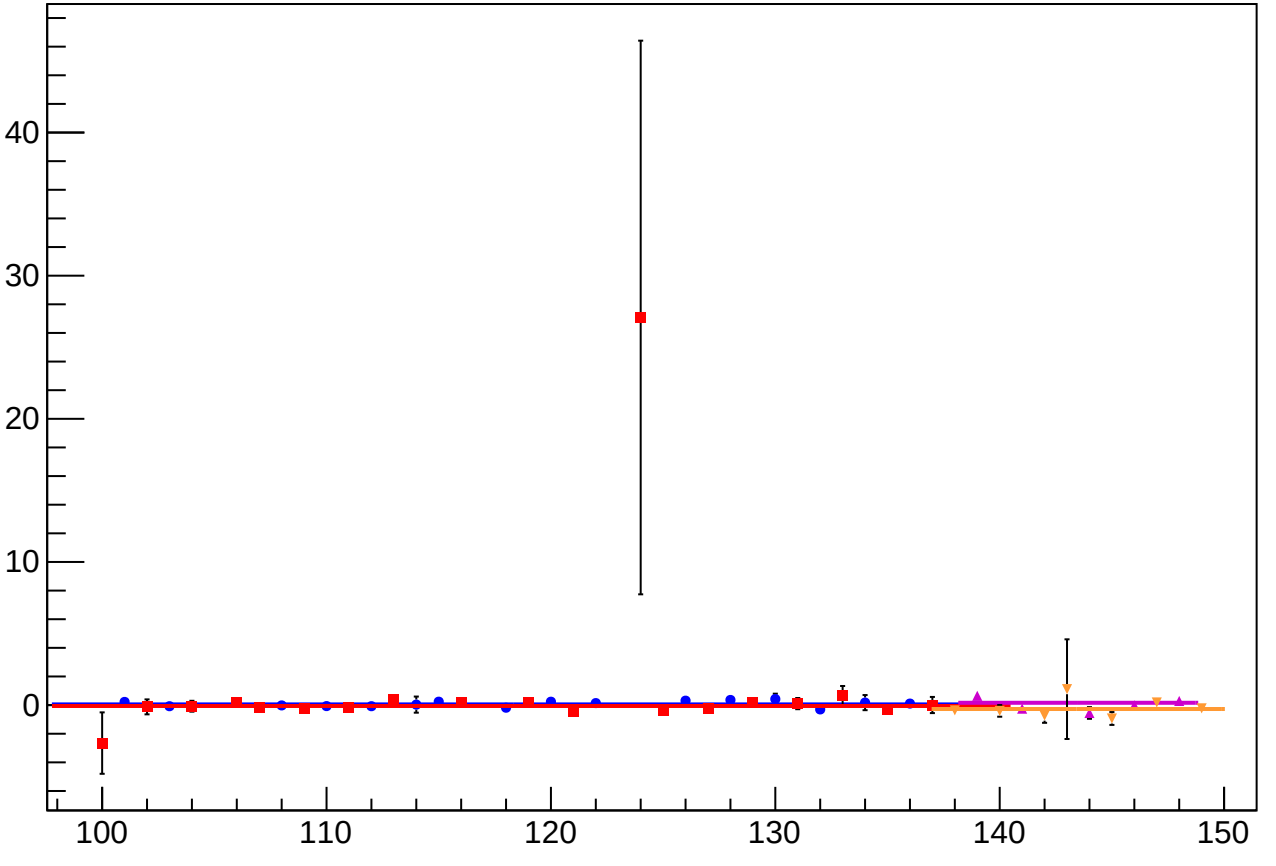
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:7989015.8/20

Out: 0.006+/-0.000 χ^2/NDF:7960046.3/25

All: 0.006+/-0.000 χ^2/NDF: 15949703.2/46

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: -0.272+/-0.138 χ^2/NDF:6.2/6

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: -0.045+/-0.095 χ^2/NDF: 20.6/11

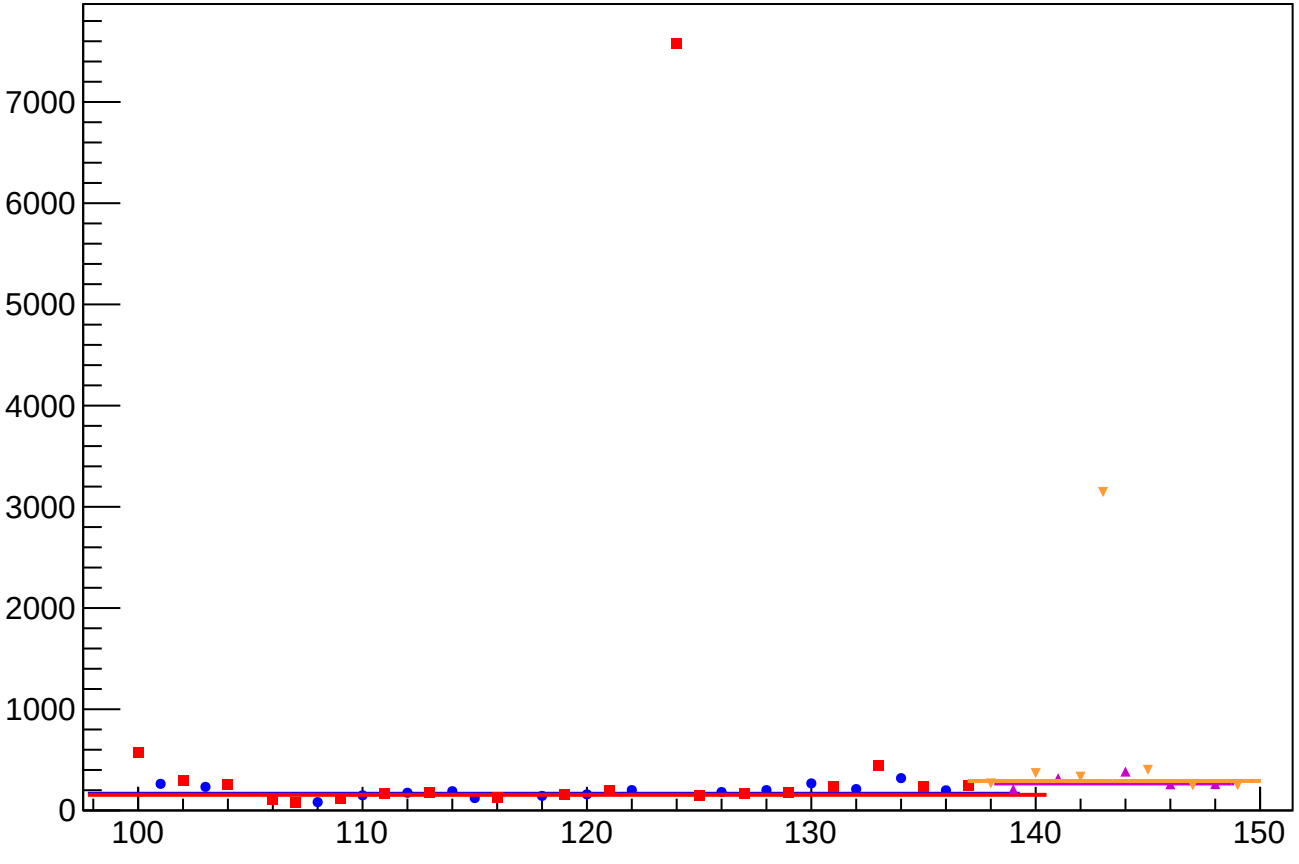
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.099+/-0.058 χ^2/NDF:26.5/25

All: -0.015+/-0.042 χ^2/NDF: 48.2/46

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 291.186+/-0.098 χ^2/NDF:1662616.9/6

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: 278.207+/-0.068 χ^2/NDF: 2027198.0/11

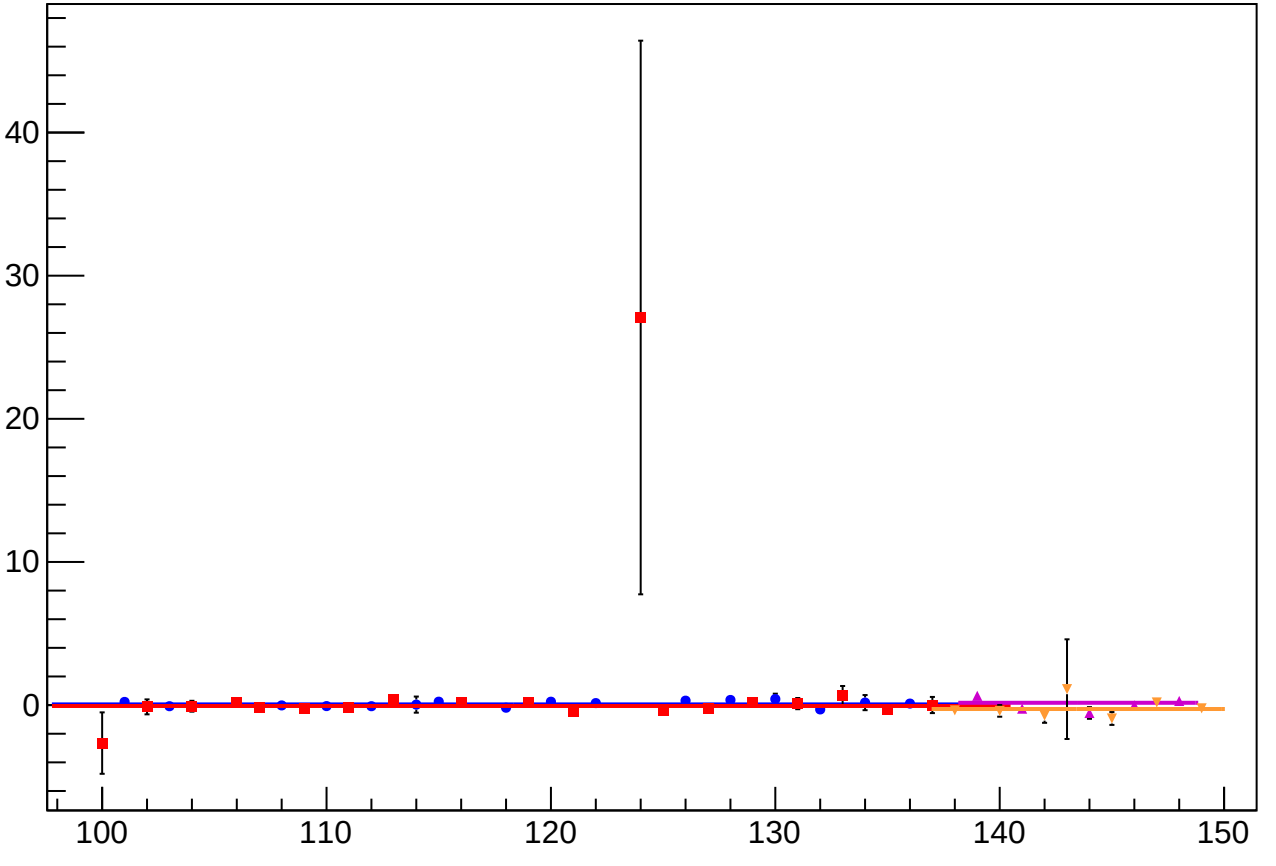
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 185.389+/-0.042 χ^2/NDF:2751026.4/20

Out: 178.748+/-0.041 χ^2/NDF:5190823.4/25

All: 182.016+/-0.029 χ^2/NDF: 7954581.5/46

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: -0.272+/-0.138 χ^2/NDF:6.2/6

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: -0.045+/-0.095 χ^2/NDF: 20.6/11

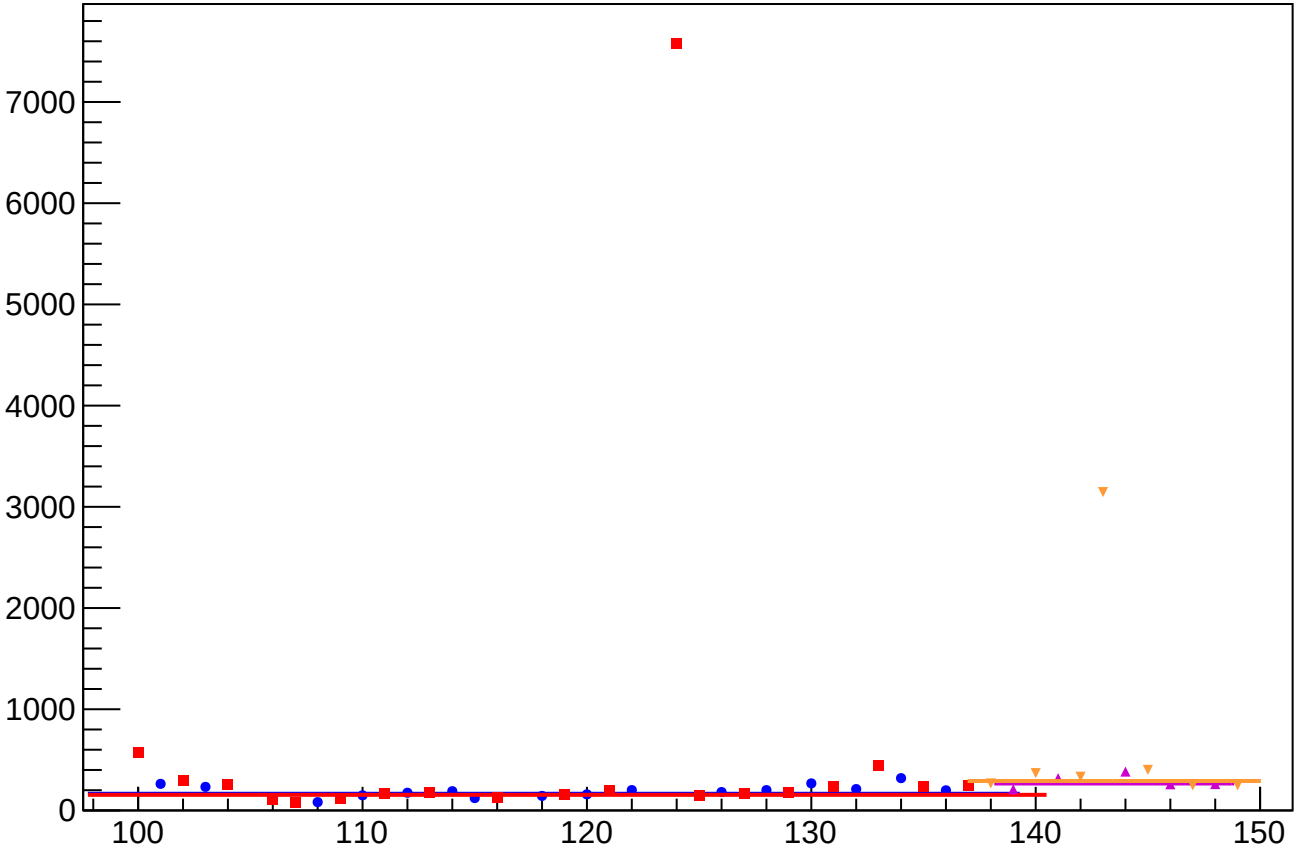
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.059 χ^2/NDF:17.5/20

Out: -0.099+/-0.058 χ^2/NDF:26.5/25

All: -0.015+/-0.042 χ^2/NDF: 48.2/46

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: 291.186+/-0.098 χ^2/NDF:1662616.9/6

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 266.407+/-0.093 χ^2/NDF:330982.0/4

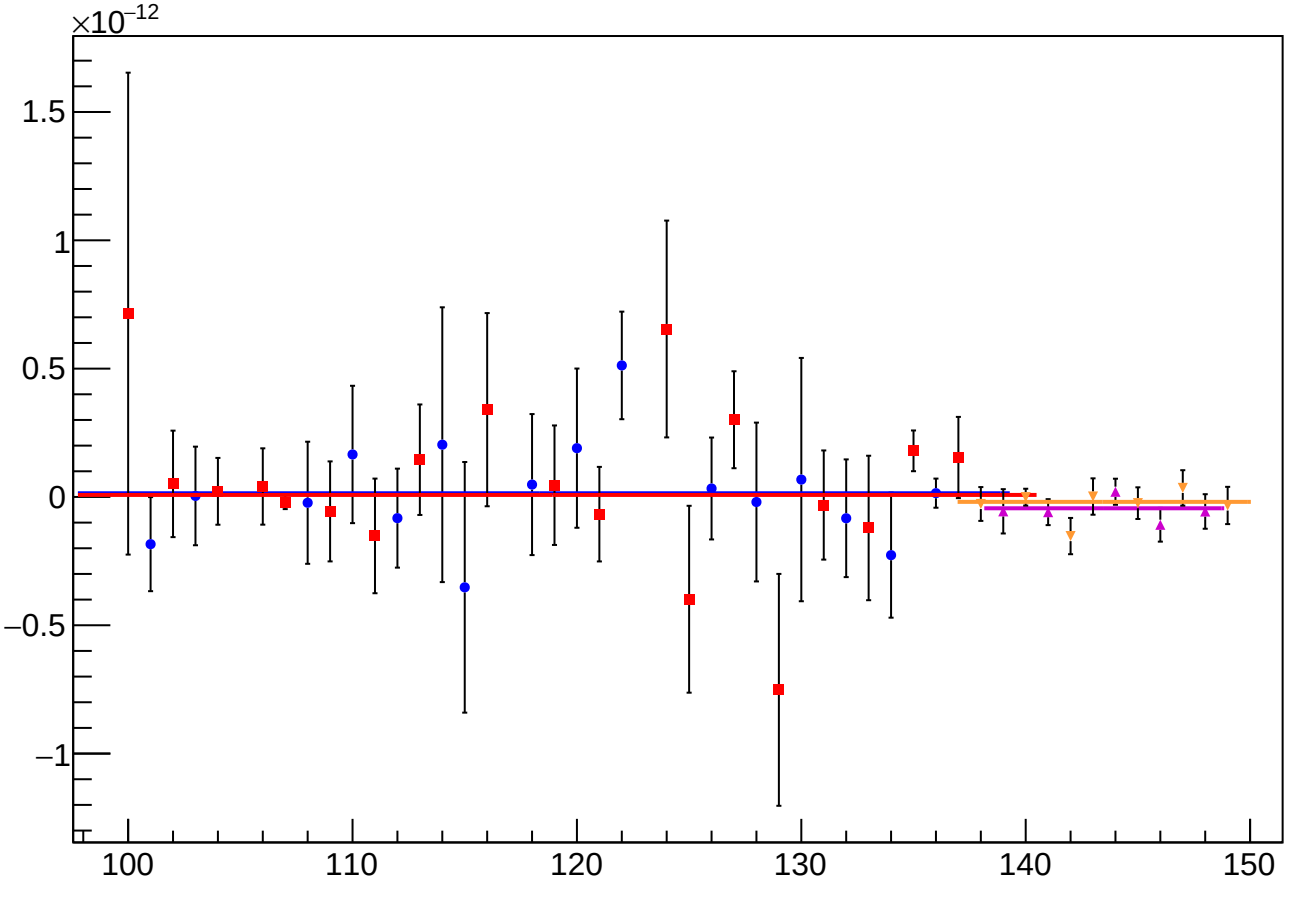
Left: 278.207+/-0.068 χ^2/NDF: 2027198.0/11

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 185.389+/-0.042 χ^2/NDF:2751026.4/20

Out: 178.748+/-0.041 χ^2/NDF:5190823.4/25

All: 182.016+/-0.029 χ^2/NDF: 7954581.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

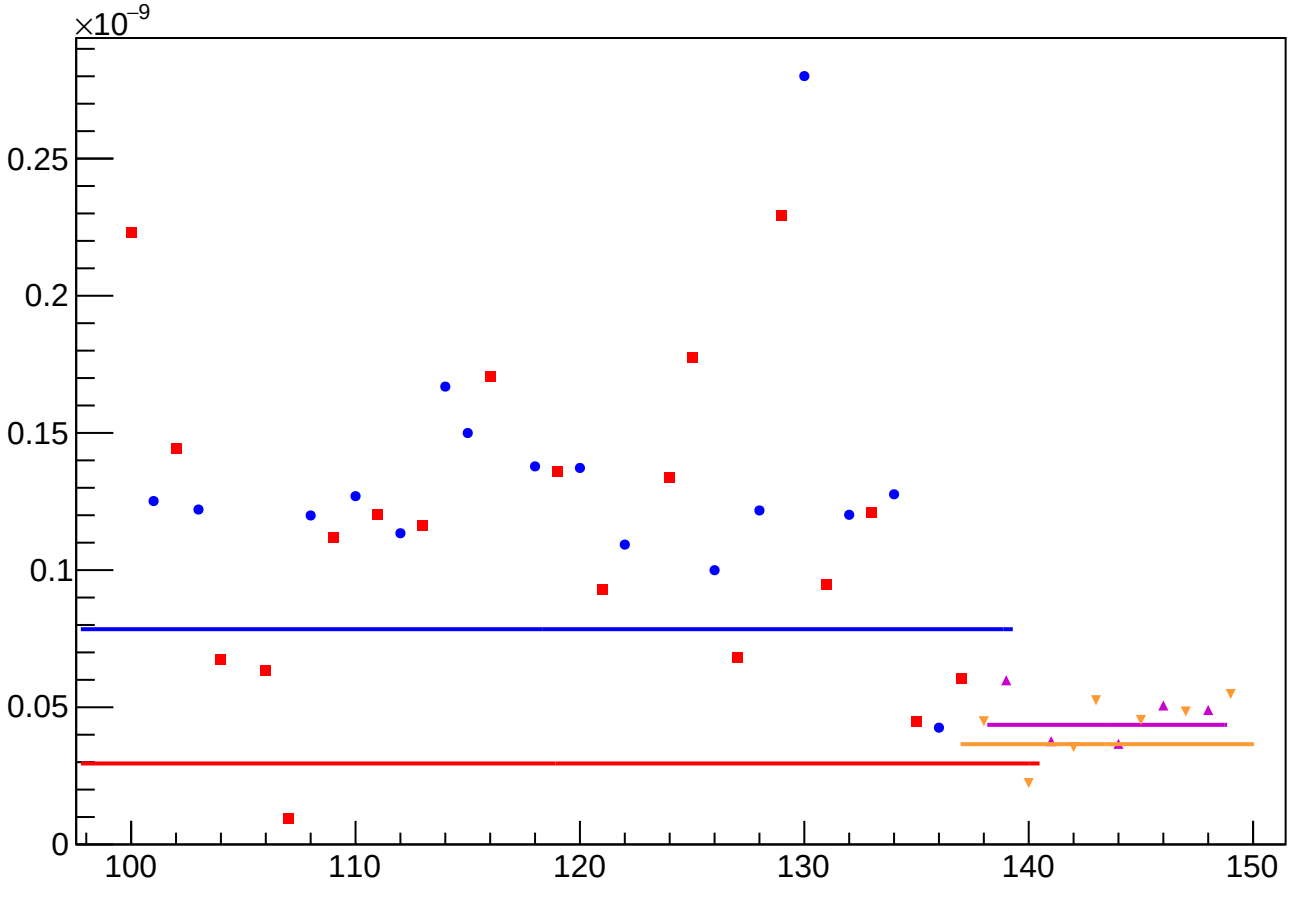
Left: -0.000+/-0.000 χ^2/NDF: 7.9/11

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:23.7/25

All: -0.000+/-0.000 χ^2/NDF: 38.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:735801.3/6

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: 991223.3/11

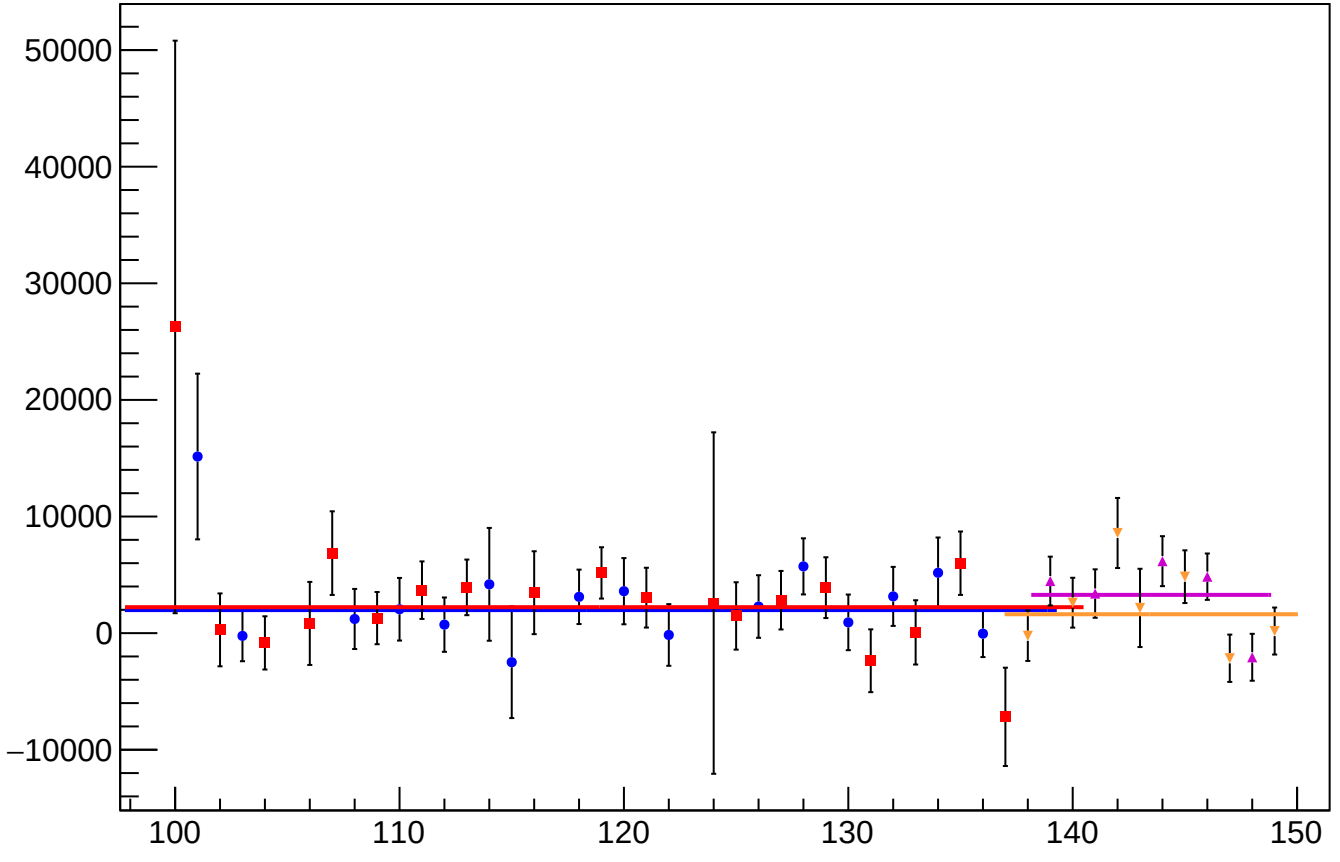
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3235114.2/20

Out: 0.000+/-0.000 χ^2/NDF:6324671.2/25

All: 0.000+/-0.000 χ^2/NDF: 10647968.0/46

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1619.678+/-871.058 χ^2/NDF:12.4/6

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3281.514+/-921.230 χ^2/NDF:9.8/4

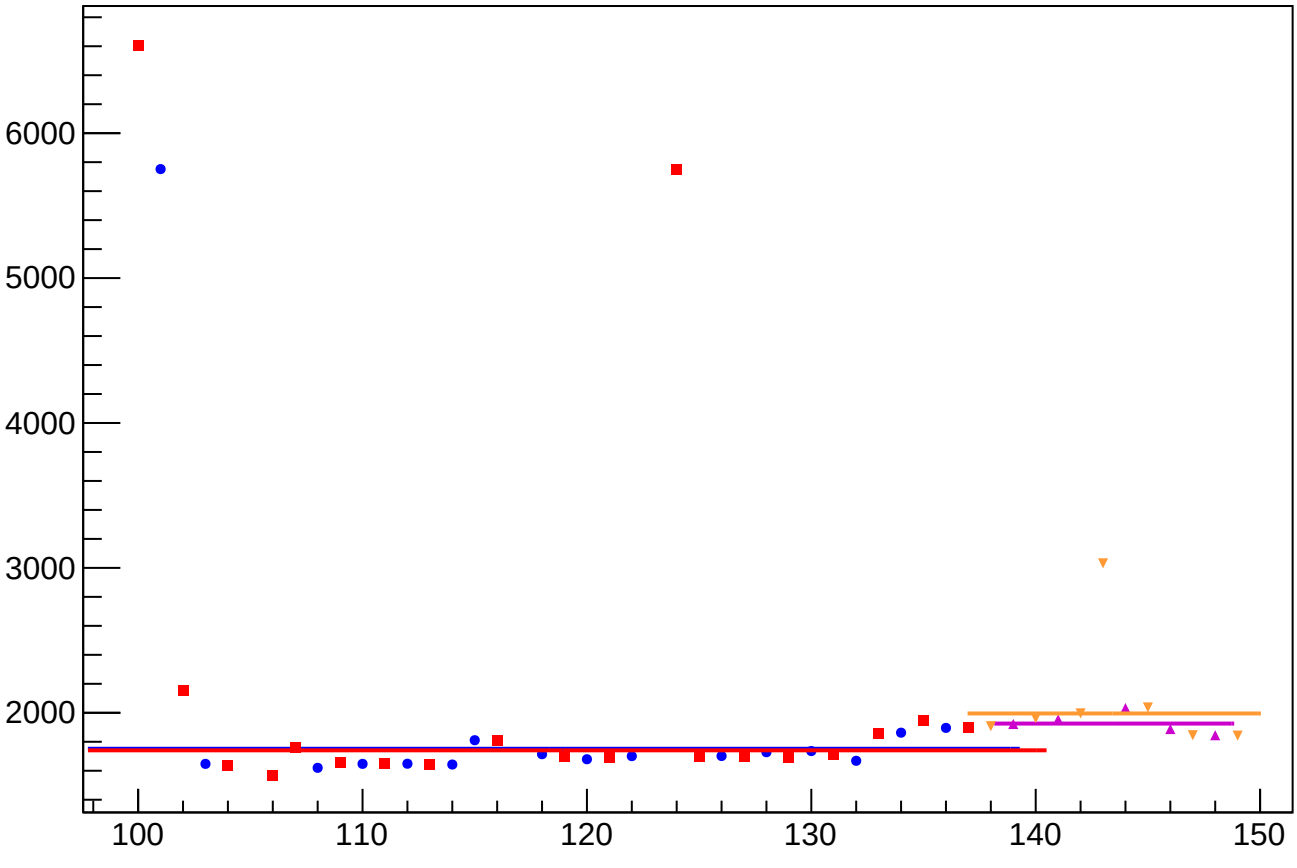
Left: 2404.113+/-632.925 χ^2/NDF: 23.9/11

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2425.825+/-540.635 χ^2/NDF:23.3/20

Out: 2006.554+/-524.163 χ^2/NDF:31.6/25

All: 2209.705+/-376.328 χ^2/NDF: 55.2/46



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1995.355+/-0.616 χ^2/NDF:217640.6/6

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: 1962.435+/-0.448 χ^2/NDF: 233001.9/11

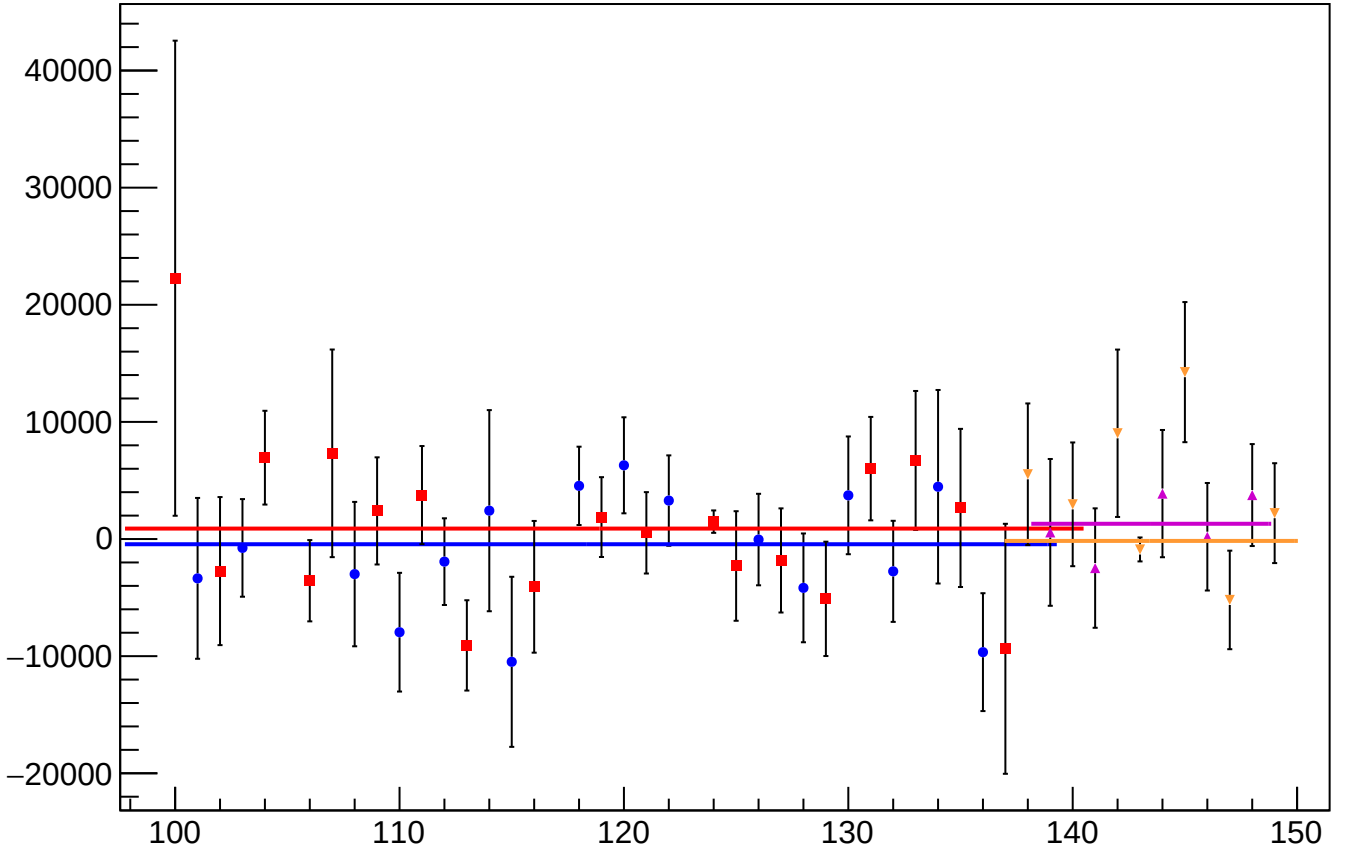
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1811.536+/-0.382 χ^2/NDF:726740.9/20

Out: 1832.272+/-0.369 χ^2/NDF:631614.9/25

All: 1822.274+/-0.265 χ^2/NDF: 1359879.4/46

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -161.063+/-921.007 χ^2/NDF:10.9/6

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1302.400+/-2247.006 χ^2/NDF:1.2/4

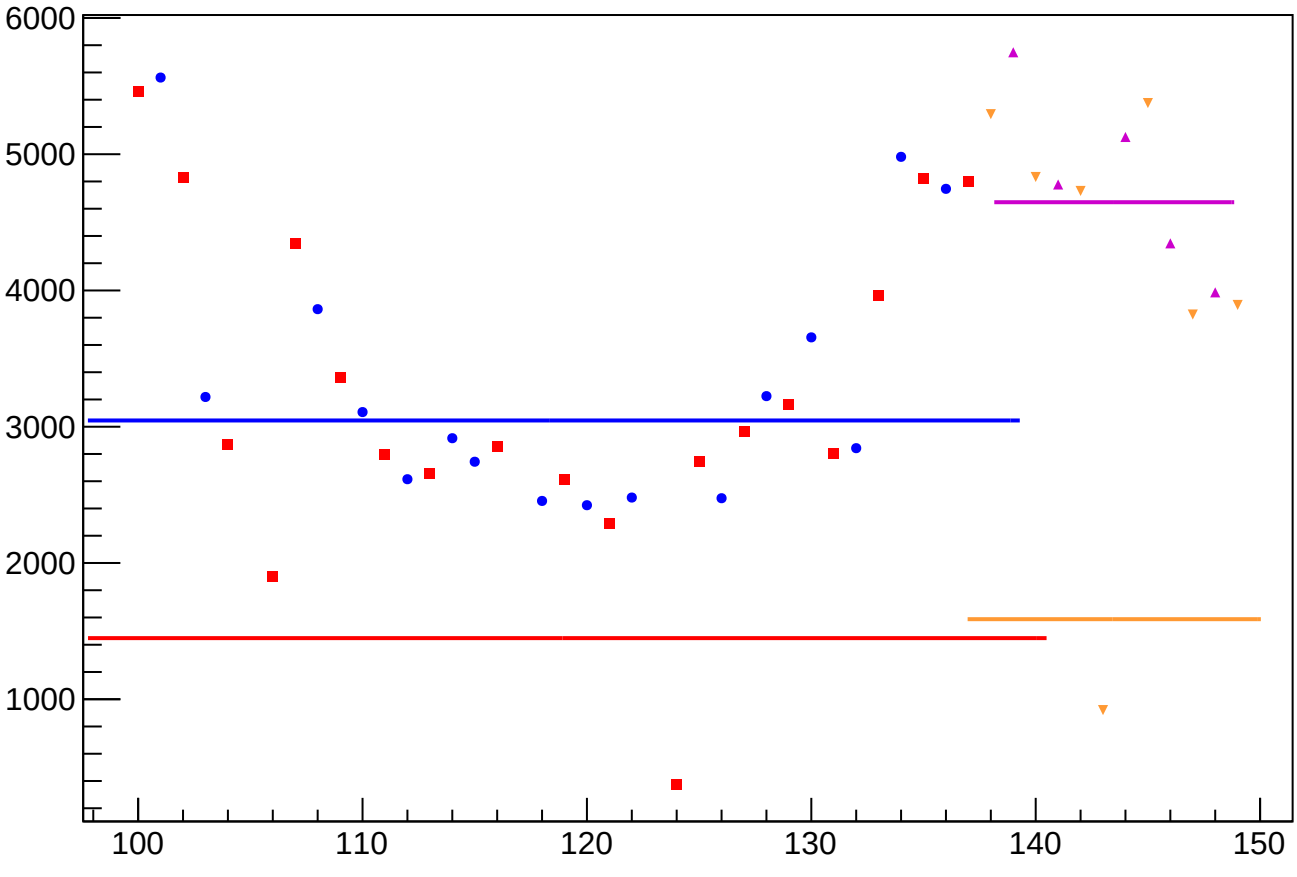
Left: 49.439+/-852.199 χ^2/NDF: 12.5/11

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -69.491+/-1040.849 χ^2/NDF:17.6/20

Out: 488.756+/-570.032 χ^2/NDF:31.8/25

All: 359.952+/-499.964 χ^2/NDF: 49.6/46



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1587.555+/-0.651 χ^2/NDF:4697002.1/6

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4647.707+/-1.589 χ^2/NDF:133352.6/4

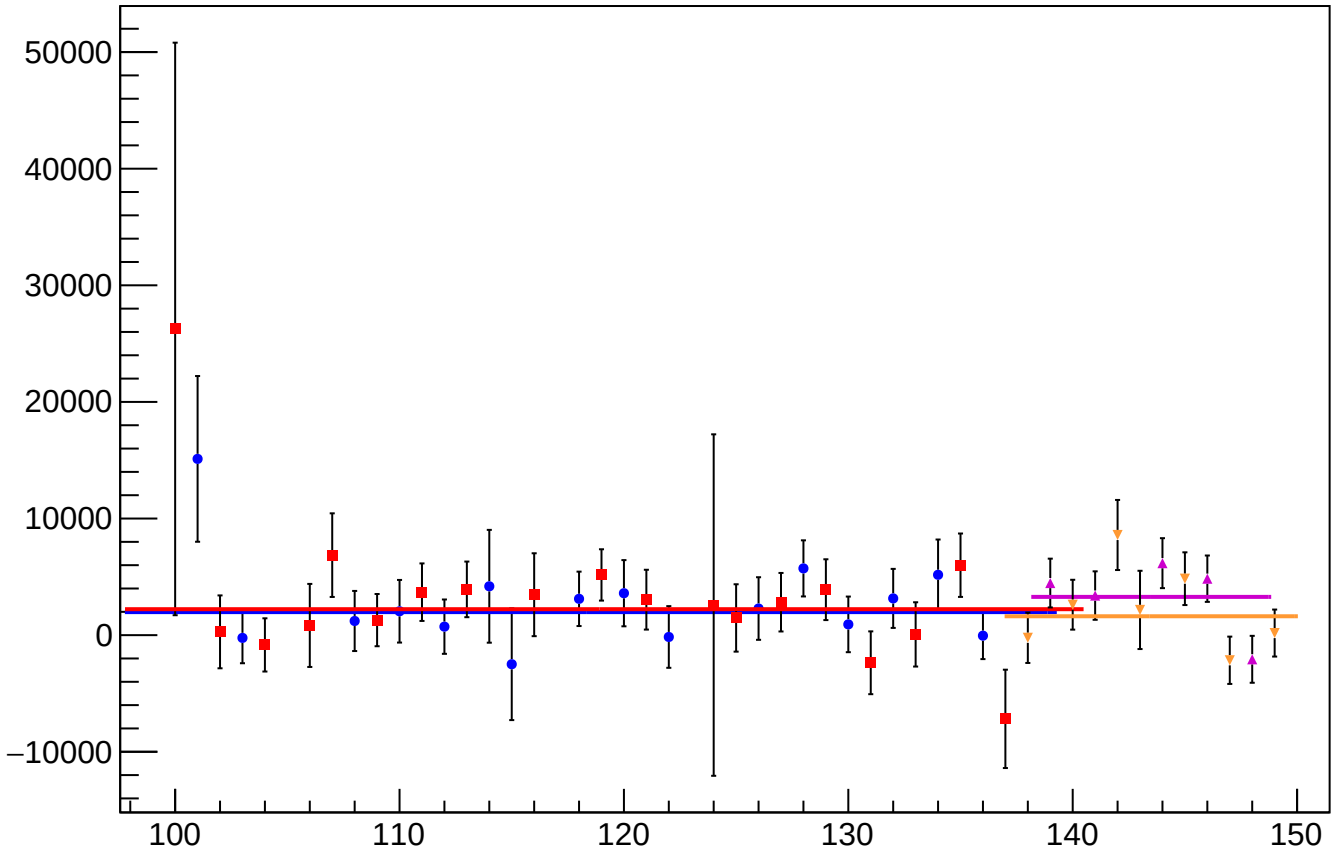
Left: 2027.721+/-0.603 χ^2/NDF: 8006229.9/11

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3389.612+/-0.736 χ^2/NDF:1838991.0/20

Out: 1501.779+/-0.403 χ^2/NDF:11512046.6/25

All: 1937.356+/-0.354 χ^2/NDF: 18412323.2/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1619.657+/-871.058 χ^2/NDF:12.4/6

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3281.625+/-921.230 χ^2/NDF:9.8/4

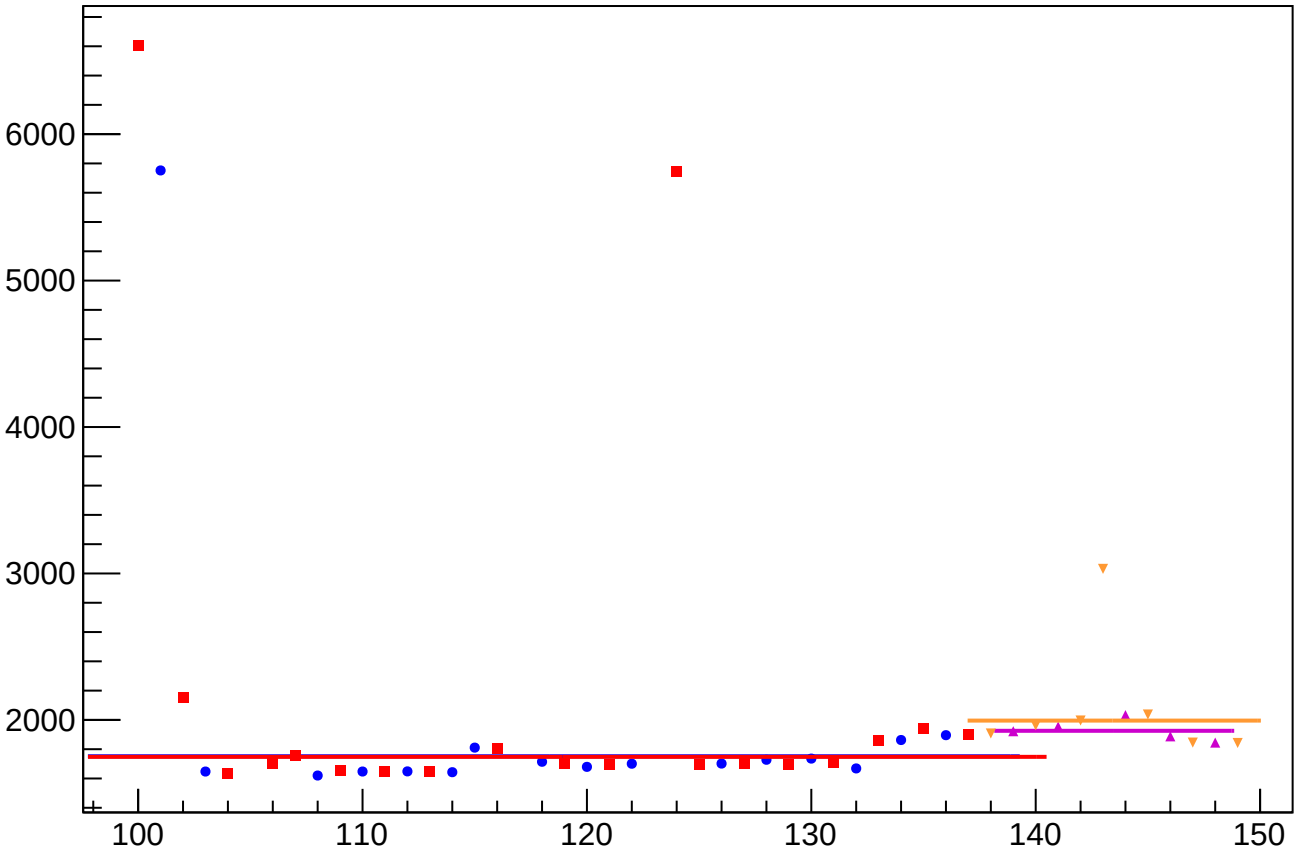
Left: 2404.154+/-632.925 χ^2/NDF: 23.9/11

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.632+/-540.635 χ^2/NDF:23.3/20

Out: 2006.608+/-524.163 χ^2/NDF:31.6/25

All: 2209.640+/-376.328 χ^2/NDF: 55.2/46



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1995.355+/-0.616 χ^2/NDF:217640.6/6

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1925.614+/-0.651 χ^2/NDF:9309.4/4

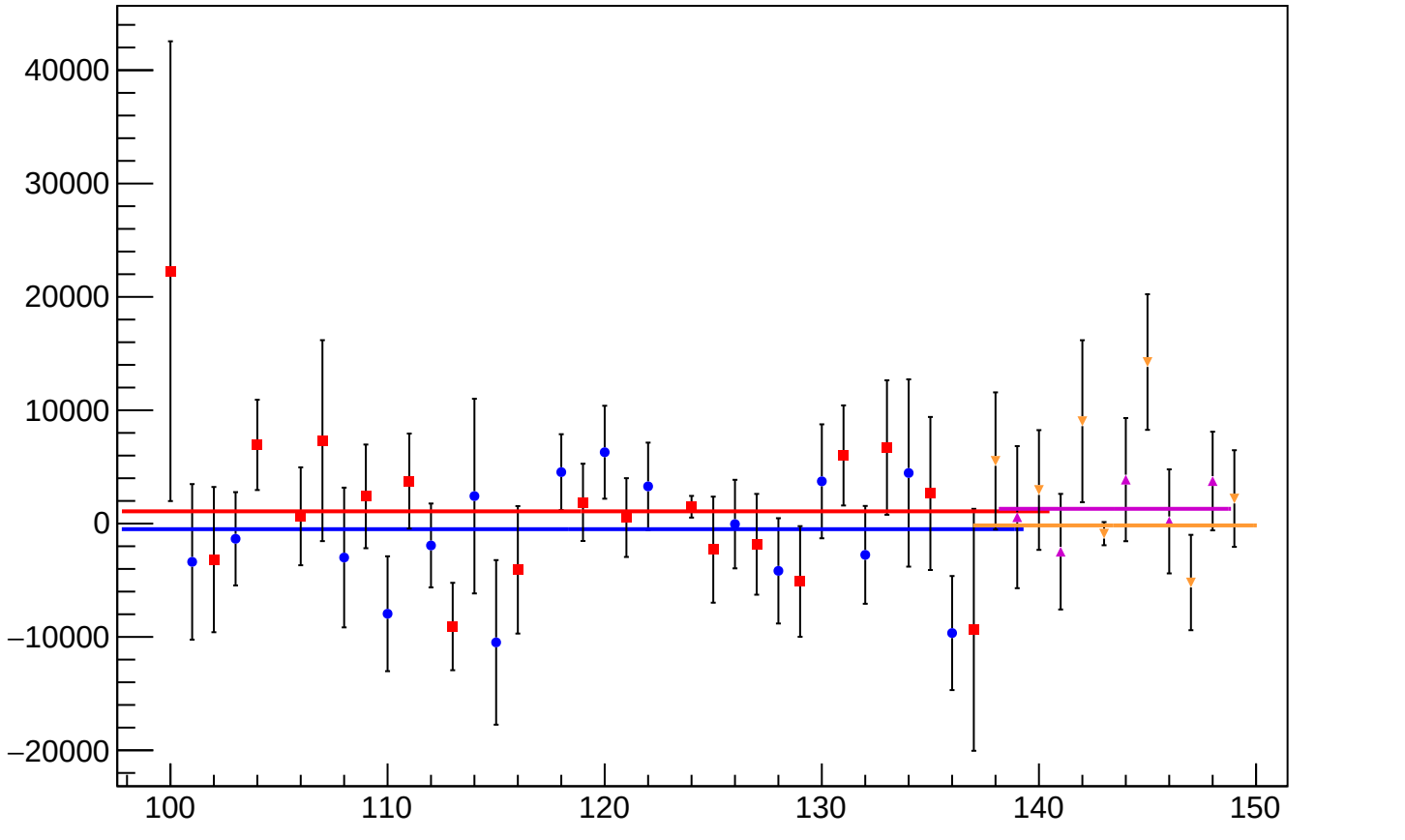
Left: 1962.435+/-0.448 χ^2/NDF: 233001.9/11

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1811.536+/-0.382 χ^2/NDF:726741.3/20

Out: 1837.004+/-0.370 χ^2/NDF:618894.3/25

All: 1824.694+/-0.266 χ^2/NDF: 1347928.8/46



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -160.885+/-920.977 χ^2/NDF:10.9/6

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1302.327+/-2247.004 χ^2/NDF:1.2/4

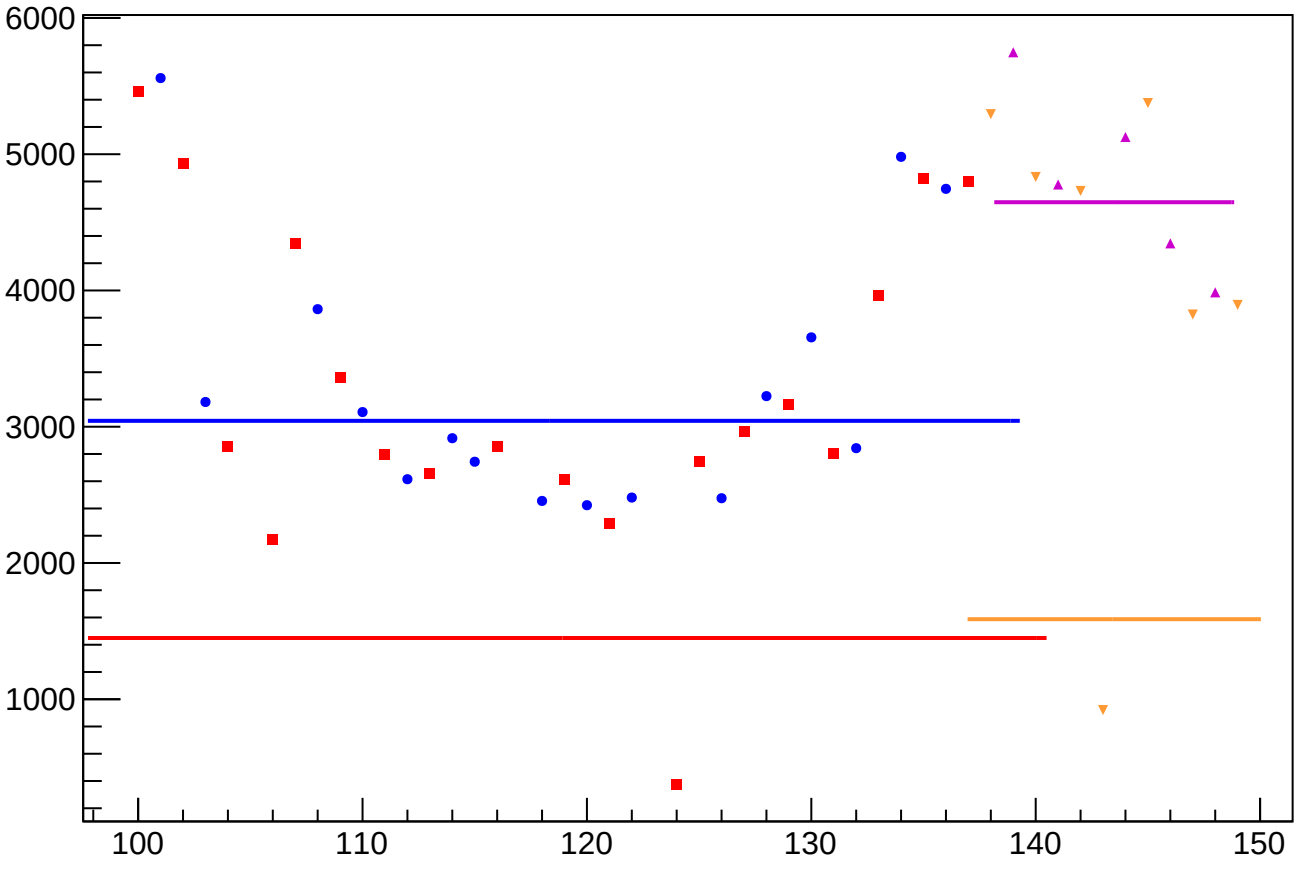
Left: 49.569+/-852.175 χ^2/NDF: 12.5/11

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -108.335+/-1040.007 χ^2/NDF:17.6/20

Out: 600.594+/-572.784 χ^2/NDF:30.5/25

All: 435.604+/-501.724 χ^2/NDF: 48.5/46



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1587.480+/-0.651 χ^2/NDF:4697160.1/6

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

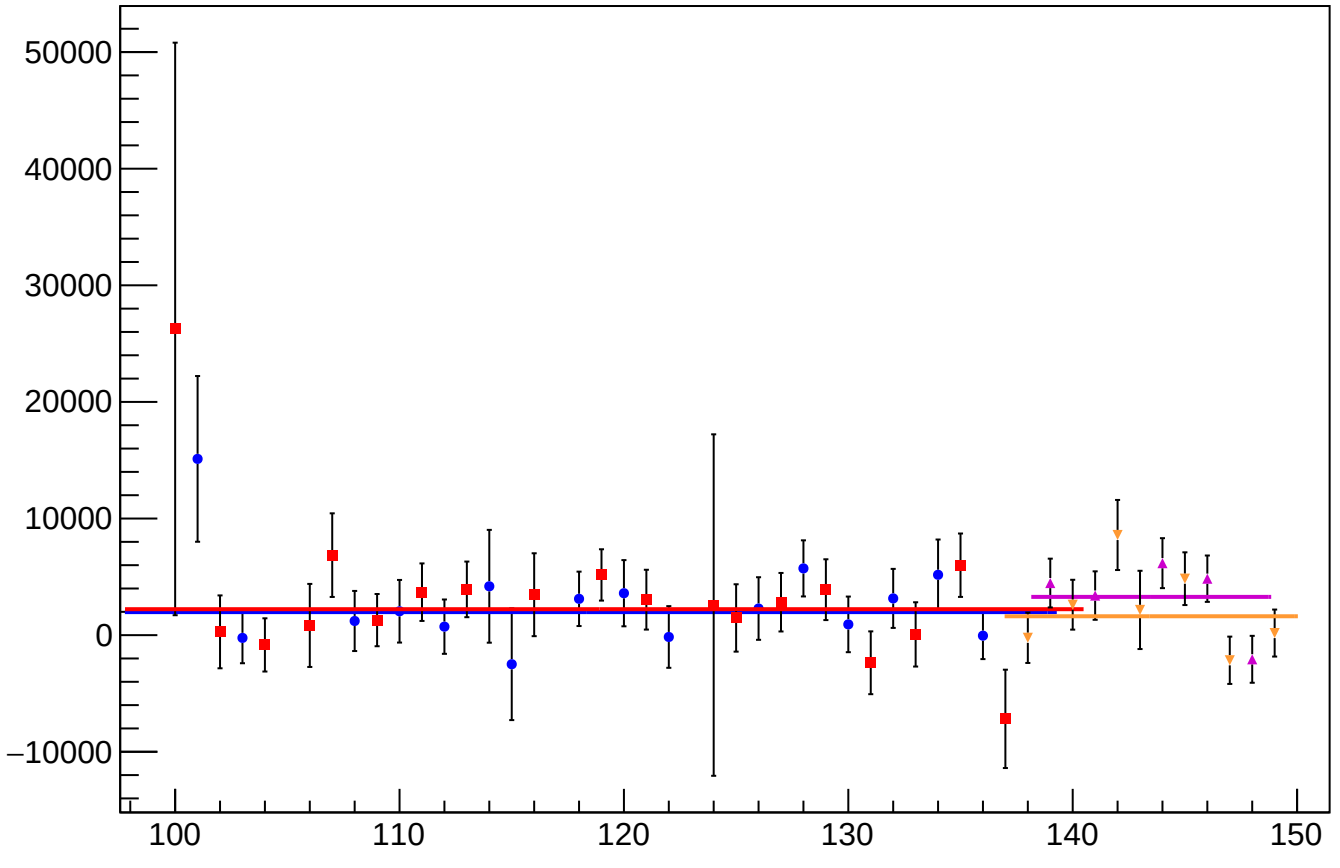
Left: 2027.632+/-0.603 χ^2/NDF: 8006571.6/11

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3386.975+/-0.735 χ^2/NDF:1840259.2/20

Out: 1502.880+/-0.405 χ^2/NDF:11550397.9/25

All: 1941.370+/-0.355 χ^2/NDF: 18426938.4/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1619.657+/-871.058 χ^2/NDF:12.4/6

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3281.625+/-921.230 χ^2/NDF:9.8/4

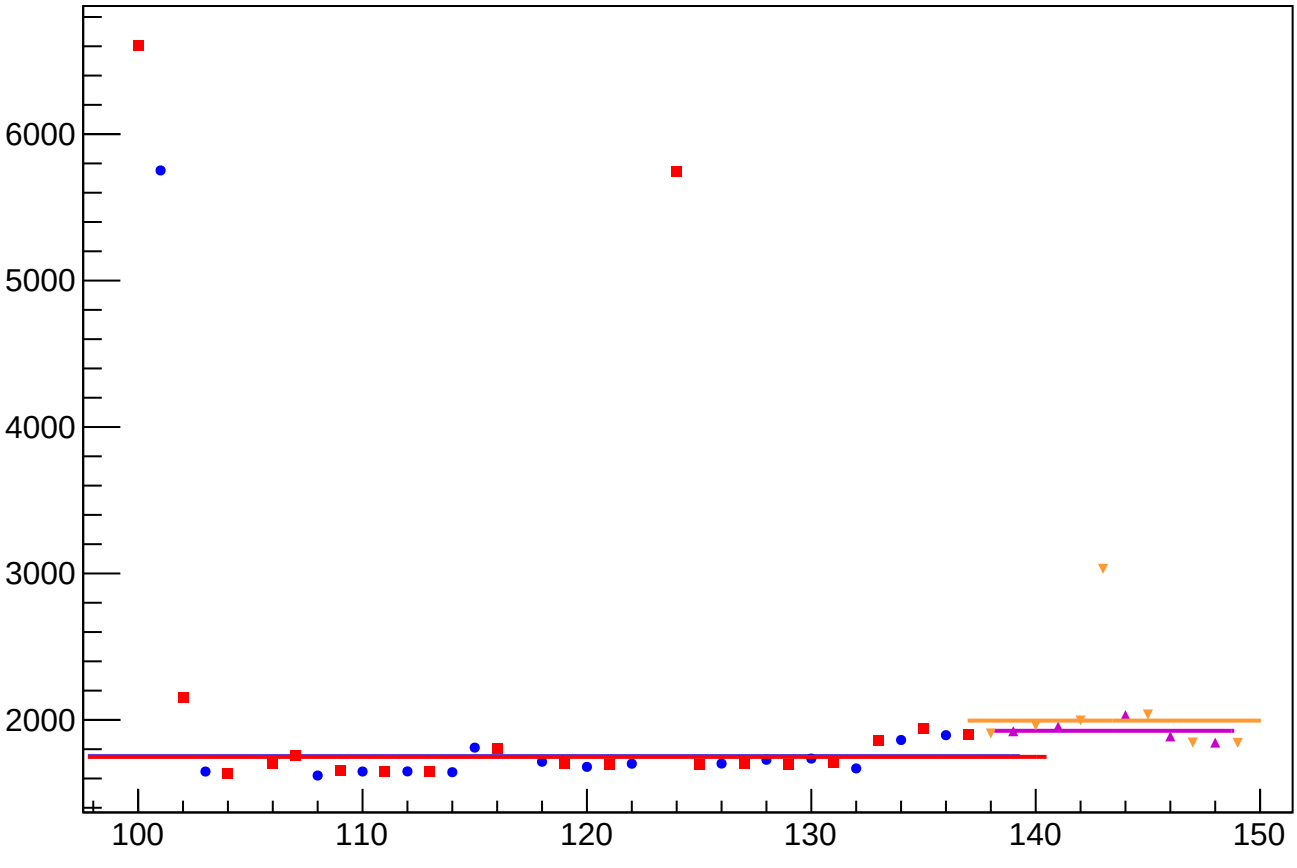
Left: 2404.154+/-632.925 χ^2/NDF: 23.9/11

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2425.632+/-540.635 χ^2/NDF:23.3/20

Out: 2006.608+/-524.163 χ^2/NDF:31.6/25

All: 2209.640+/-376.328 χ^2/NDF: 55.2/46



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1995.355+/-0.616 χ^2/NDF:217640.6/6

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: 1962.435+/-0.448 χ^2/NDF: 233001.9/11

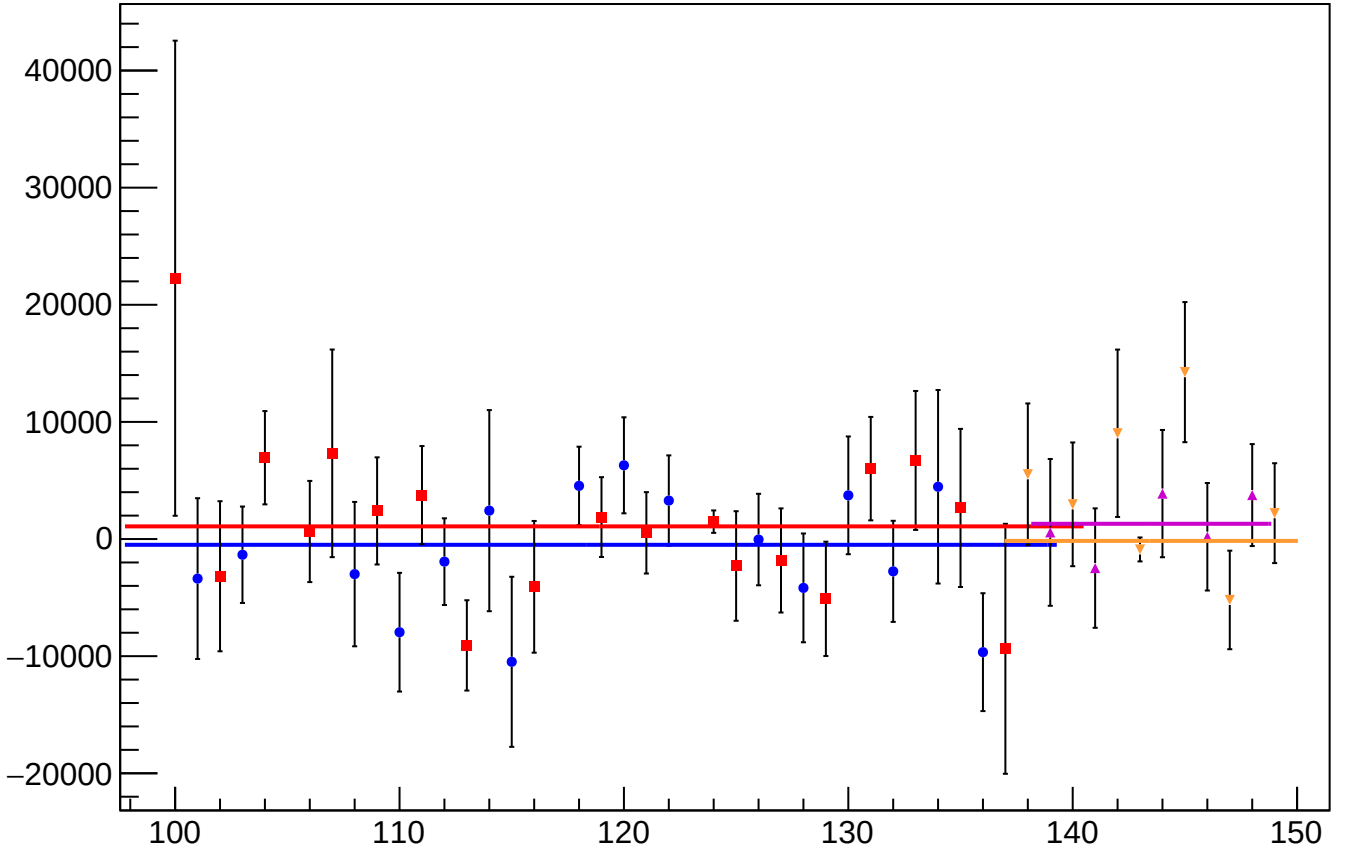
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1811.536+/-0.382 χ^2/NDF:726741.3/20

Out: 1837.004+/-0.370 χ^2/NDF:618894.3/25

All: 1824.694+/-0.266 χ^2/NDF: 1347928.8/46

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -160.885+/-920.977 χ^2/NDF:10.9/6

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1302.327+/-2247.004 χ^2/NDF:1.2/4

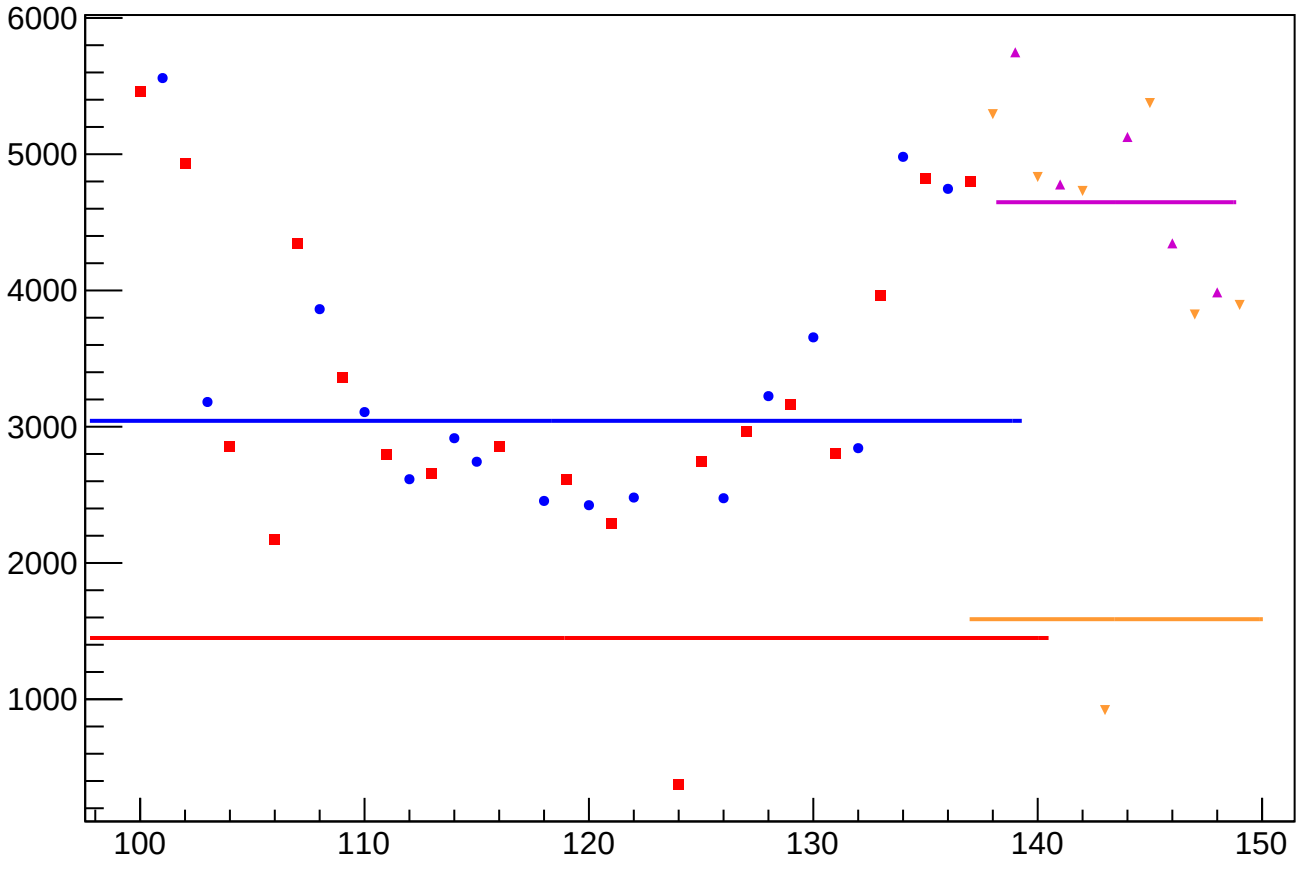
Left: 49.569+/-852.175 χ^2/NDF: 12.5/11

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -108.335+/-1040.007 χ^2/NDF:17.6/20

Out: 600.594+/-572.784 χ^2/NDF:30.5/25

All: 435.604+/-501.724 χ^2/NDF: 48.5/46



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1587.480+/-0.651 χ^2/NDF:4697160.1/6

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4647.702+/-1.589 χ^2/NDF:133356.3/4

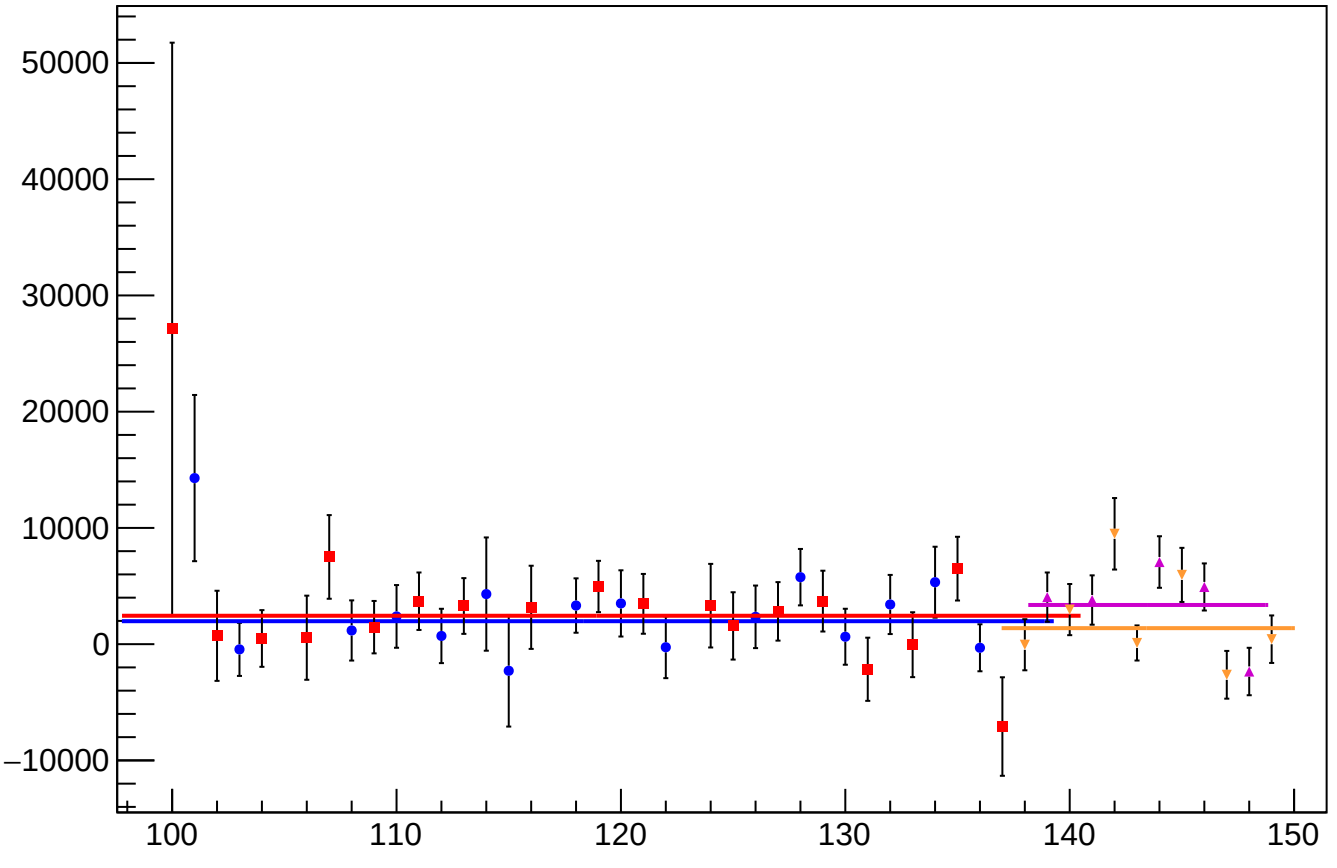
Left: 2027.632+/-0.603 χ^2/NDF: 8006571.6/11

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3386.975+/-0.735 χ^2/NDF:1840259.2/20

Out: 1502.880+/-0.405 χ^2/NDF:11550397.9/25

All: 1941.370+/-0.355 χ^2/NDF: 18426938.4/4



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1377.688+/-785.894 χ^2/NDF:16.5/6

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3371.039+/-939.809 χ^2/NDF:11.4/4

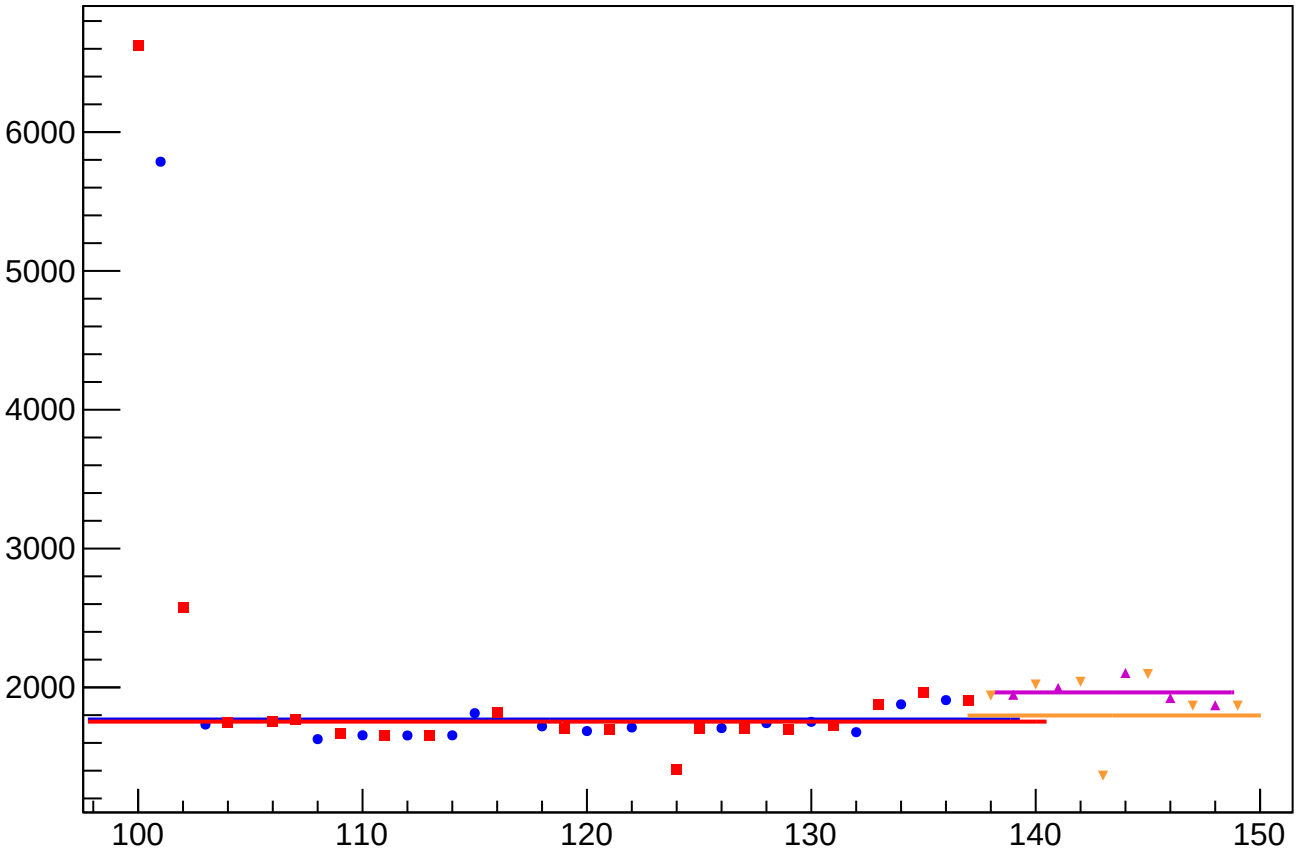
Left: 2197.980+/-602.882 χ^2/NDF: 30.6/11

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2449.763+/-547.755 χ^2/NDF:25.3/20

Out: 2004.924+/-504.370 χ^2/NDF:35.1/25

All: 2209.032+/-371.035 χ^2/NDF: 60.7/46



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1797.666+/-0.556 χ^2/NDF:243906.8/6

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1963.847+/-0.665 χ^2/NDF:13478.3/4

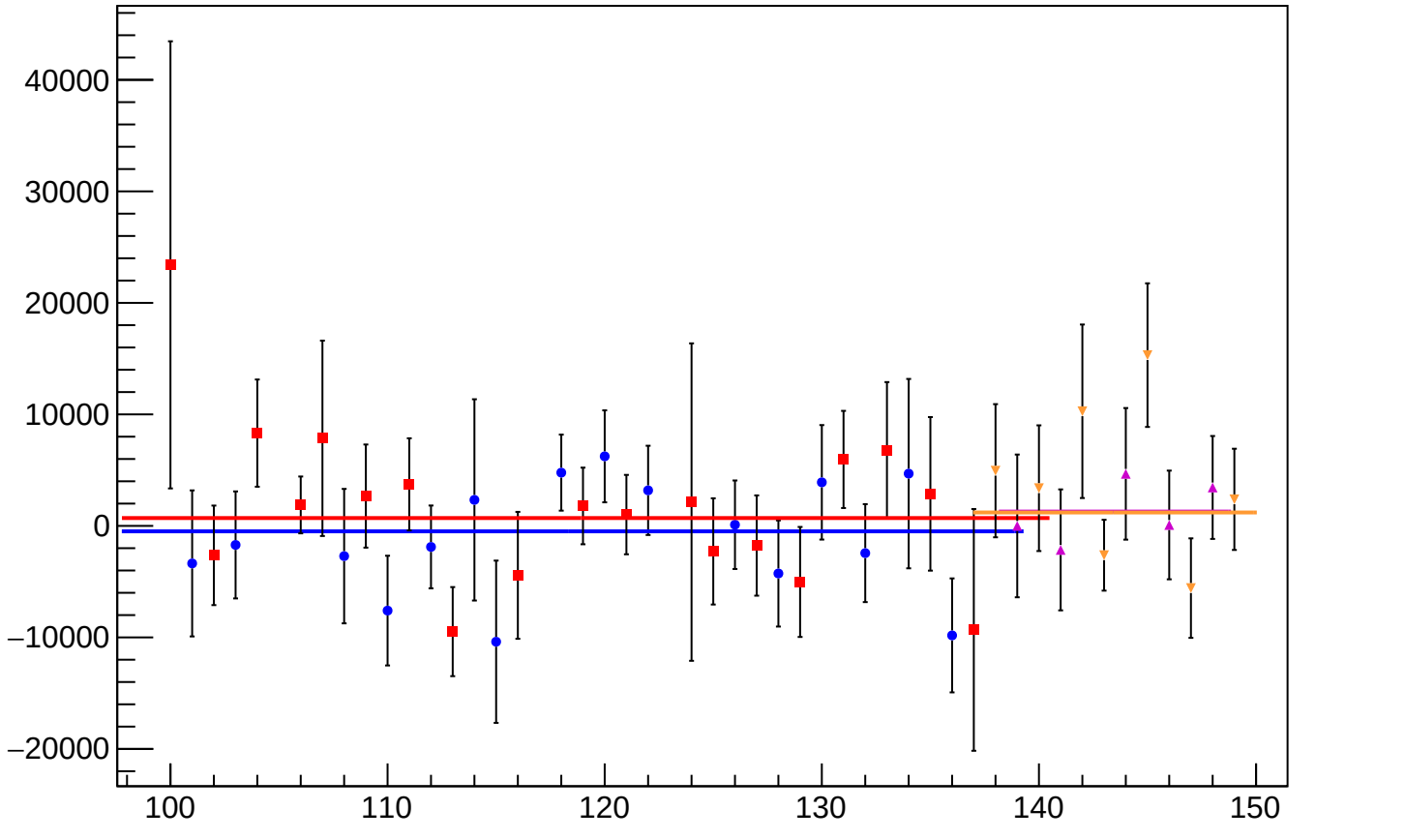
Left: 1866.052+/-0.426 χ^2/NDF: 294185.2/11

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1834.846+/-0.387 χ^2/NDF:737914.3/20

Out: 1771.565+/-0.356 χ^2/NDF:466514.1/25

All: 1800.551+/-0.262 χ^2/NDF: 1218894.5/46



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 1203.766+/-1831.681 χ^2/NDF:10.5/6

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1283.541+/-2382.412 χ^2/NDF:1.1/4

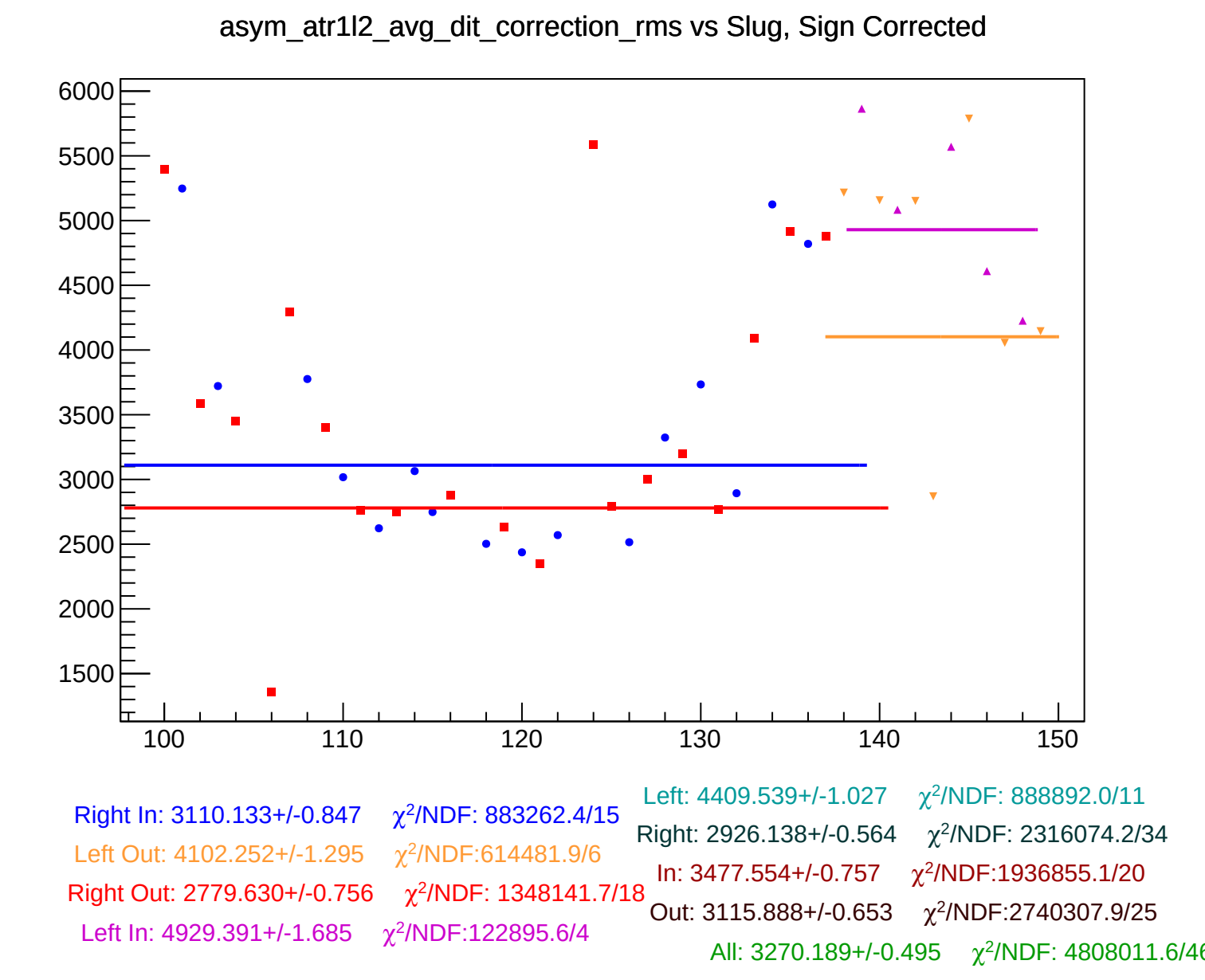
Left: 1233.403+/-1452.112 χ^2/NDF: 11.6/11

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

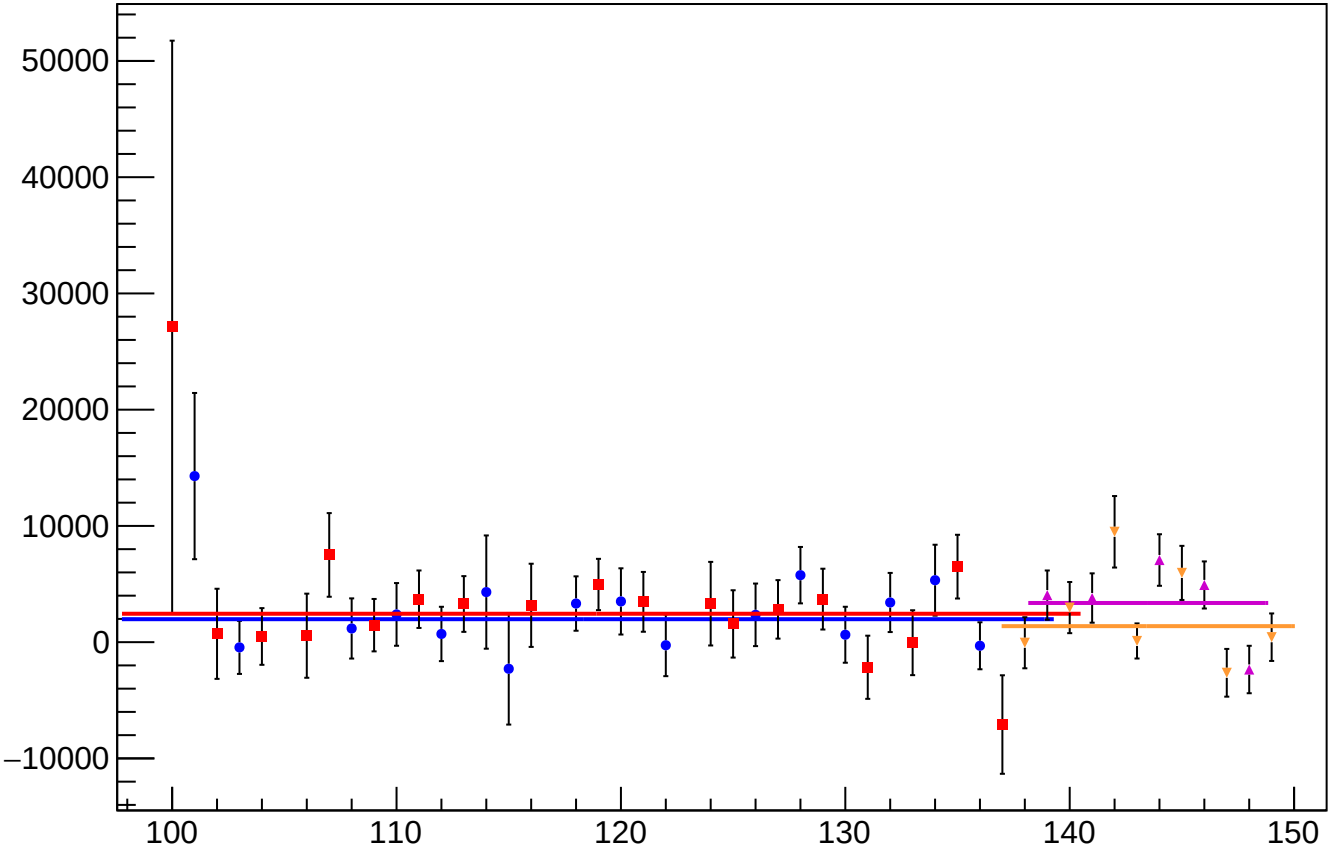
In: -130.299+/-1070.661 χ^2/NDF:17.2/20

Out: 830.554+/-923.567 χ^2/NDF:29.4/25

All: 420.616+/-699.330 χ^2/NDF: 47.1/46


asym_atr1l2_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3110.133+/-0.847 χ²/NDF: 883262.4/15
Left Out: 4102.252+/-1.295 χ²/NDF:614481.9/6
Right Out: 2779.630+/-0.756 χ²/NDF: 1348141.7/18
Left In: 4929.391+/-1.685 χ²/NDF:122895.6/4
Left: 4409.539+/-1.027 χ²/NDF: 888892.0/11
Right: 2926.138+/-0.564 χ²/NDF: 2316074.2/34
In: 3477.554+/-0.757 χ²/NDF:1936855.1/20
Out: 3115.888+/-0.653 χ²/NDF:2740307.9/25
All: 3270.189+/-0.495 χ²/NDF: 4808011.6/46

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1377.693+/-785.894 χ^2/NDF:16.5/6

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3371.038+/-939.810 χ^2/NDF:11.4/4

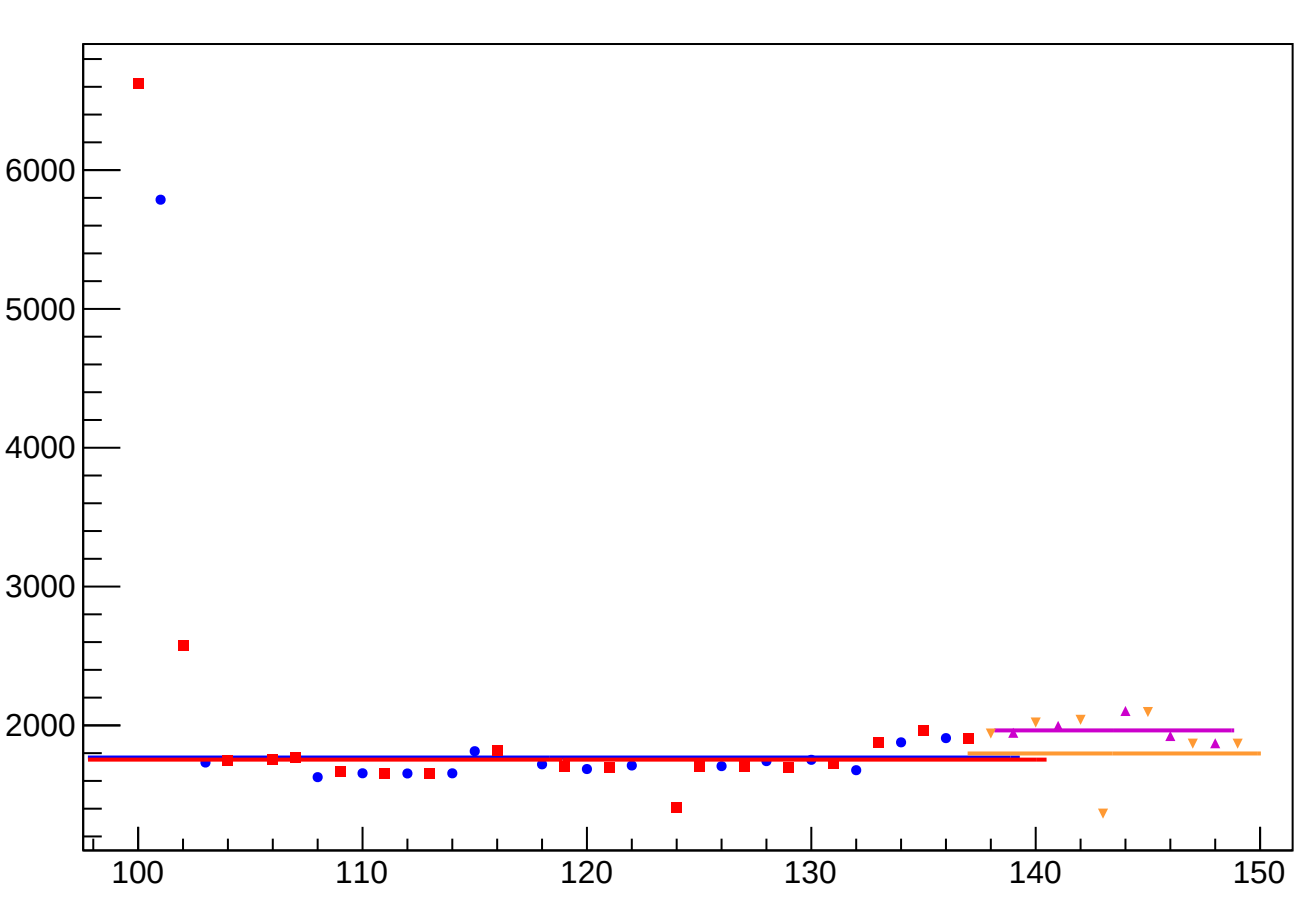
Left: 2197.982+/-602.882 χ^2/NDF: 30.6/11

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2449.763+/-547.756 χ^2/NDF:25.3/20

Out: 2004.927+/-504.370 χ^2/NDF:35.1/25

All: 2209.033+/-371.035 χ^2/NDF: 60.7/46



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1797.667+/-0.556 χ^2/NDF:243907.7/6

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1963.848+/-0.665 χ^2/NDF:13478.5/4

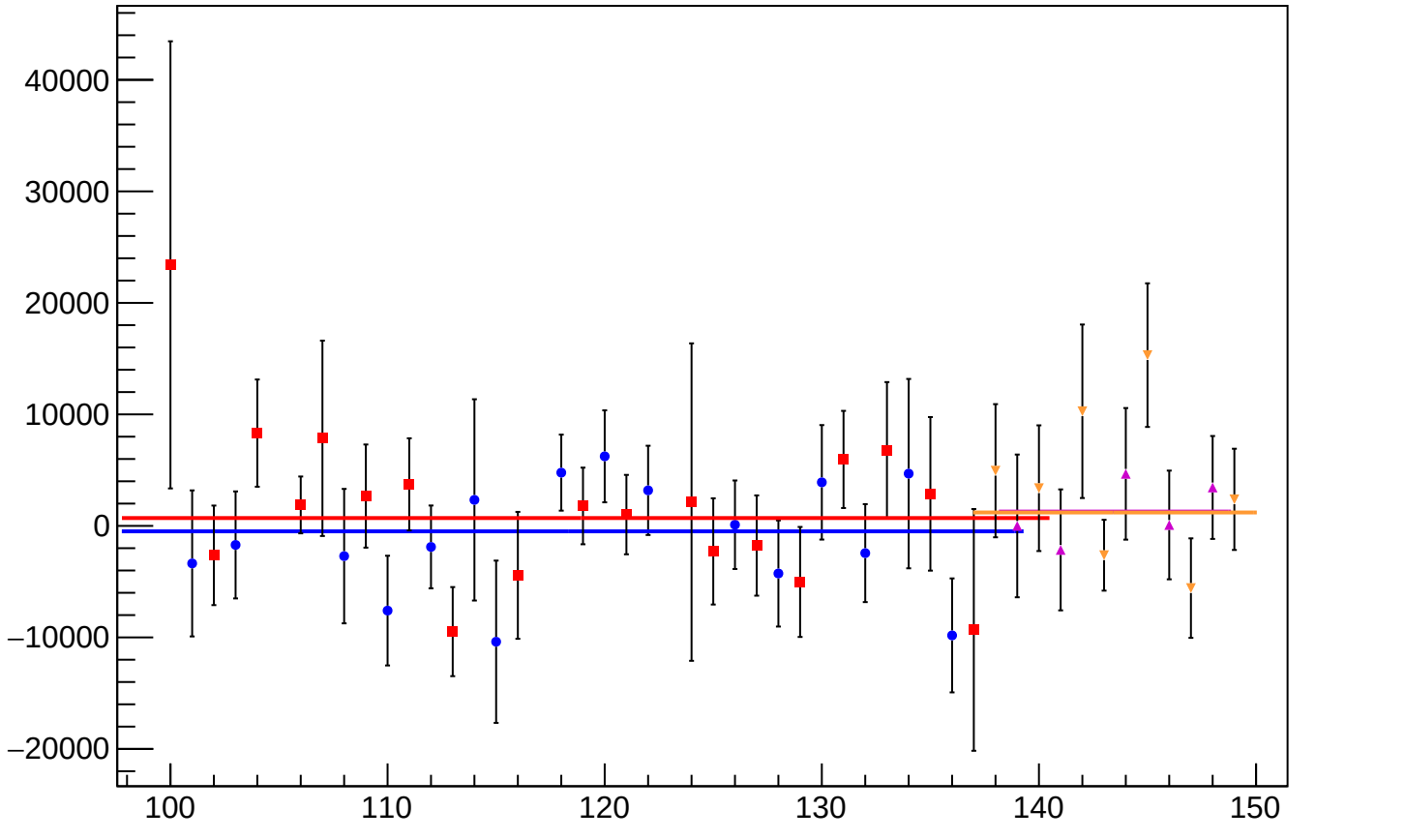
Left: 1866.053+/-0.426 χ^2/NDF: 294186.6/11

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1834.846+/-0.387 χ^2/NDF:737915.1/20

Out: 1771.565+/-0.356 χ^2/NDF:466515.1/25

All: 1800.552+/-0.262 χ^2/NDF: 1218896.5/46



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: 1203.761+/-1831.682 χ^2/NDF:10.5/6

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: 1233.400+/-1452.114 χ^2/NDF: 11.6/11

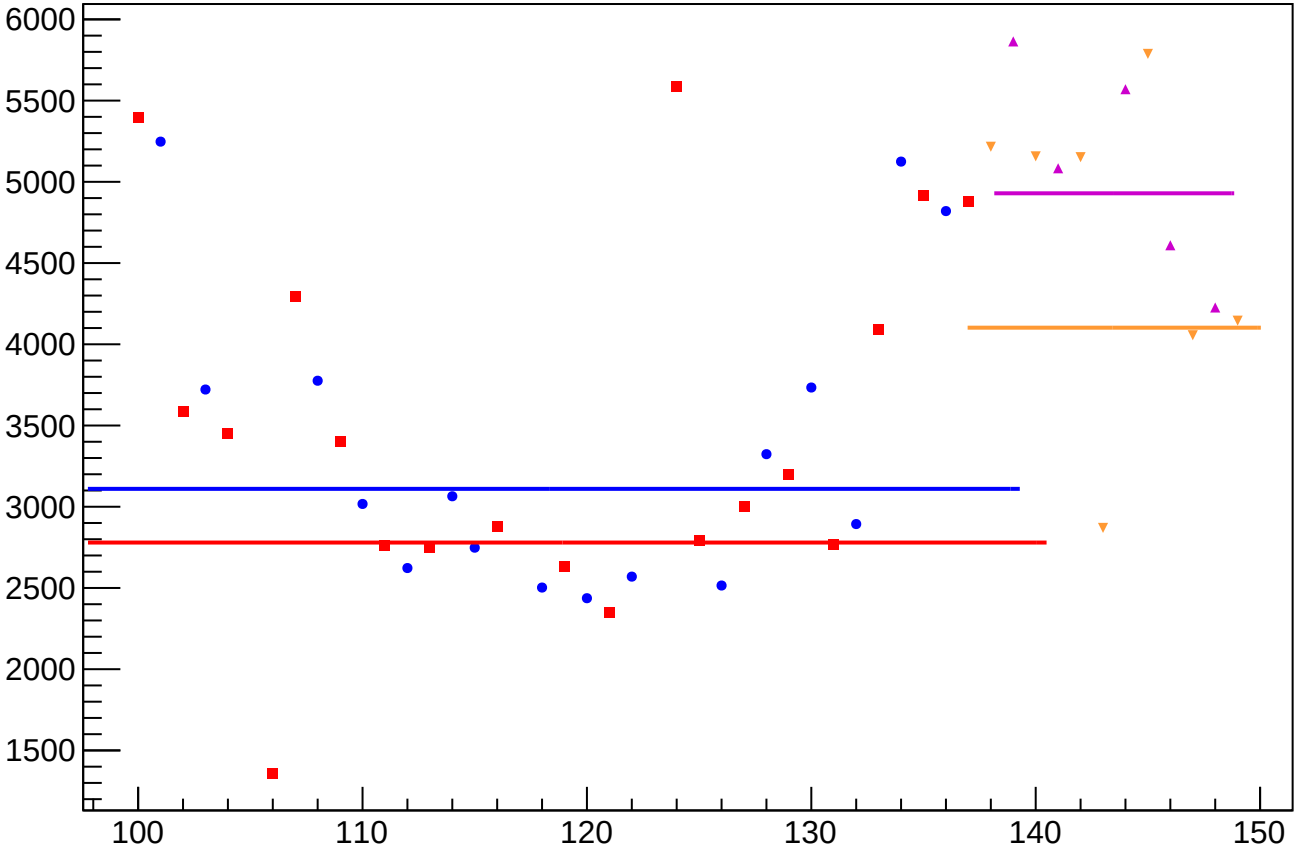
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -130.296+/-1070.658 χ^2/NDF:17.2/20

Out: 830.553+/-923.564 χ^2/NDF:29.4/25

All: 420.617+/-699.328 χ^2/NDF: 47.1/46

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4102.255+/-1.295 χ^2/NDF:614486.9/6

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: 4409.543+/-1.027 χ^2/NDF: 888900.0/11

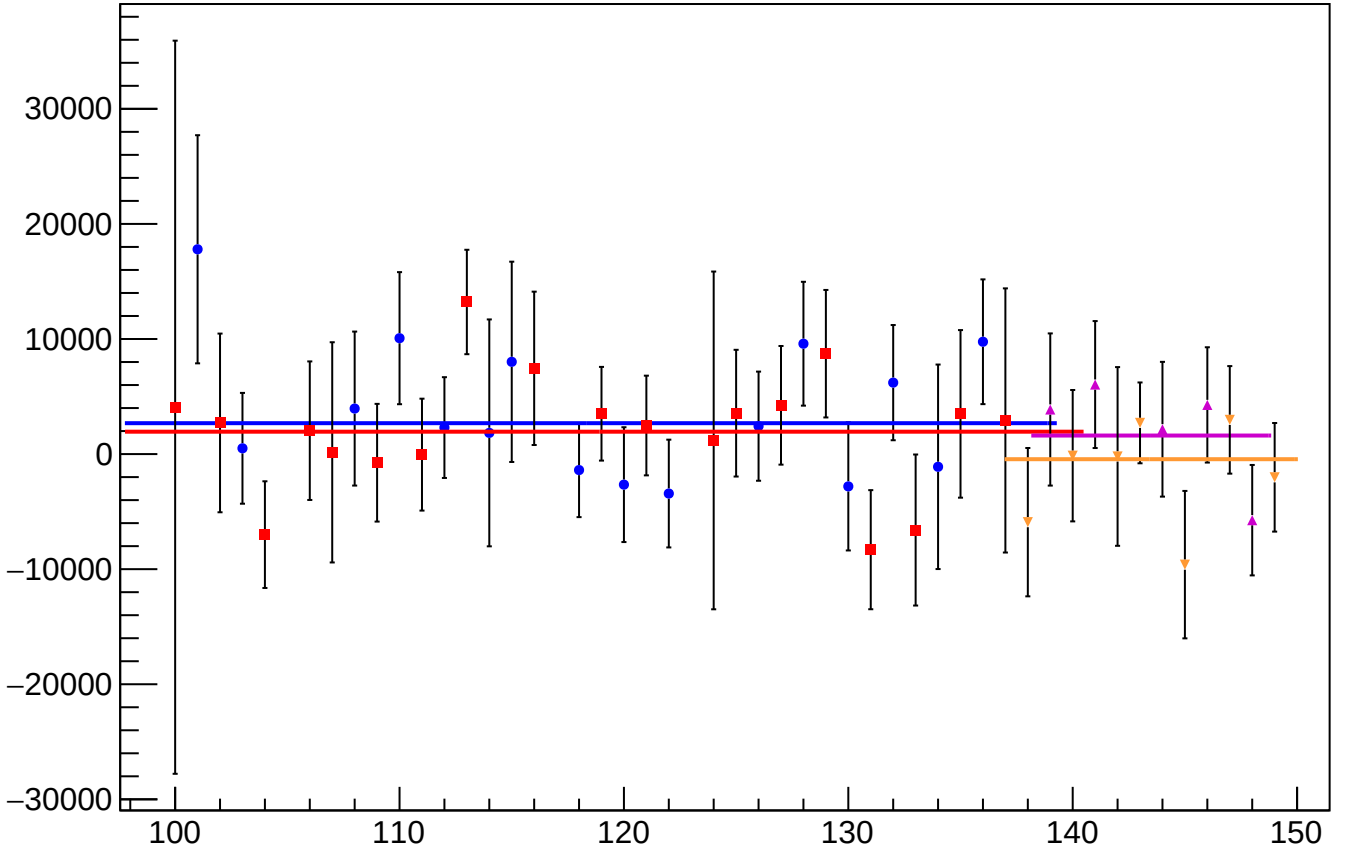
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3477.543+/-0.757 χ^2/NDF:1936884.1/20

Out: 3115.877+/-0.653 χ^2/NDF:2740350.8/25

All: 3270.178+/-0.494 χ^2/NDF: 4808084.8/46

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -444.470+/-1933.390 χ^2/NDF:4.2/6

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: 349.099+/-1514.963 χ^2/NDF: 8.1/11

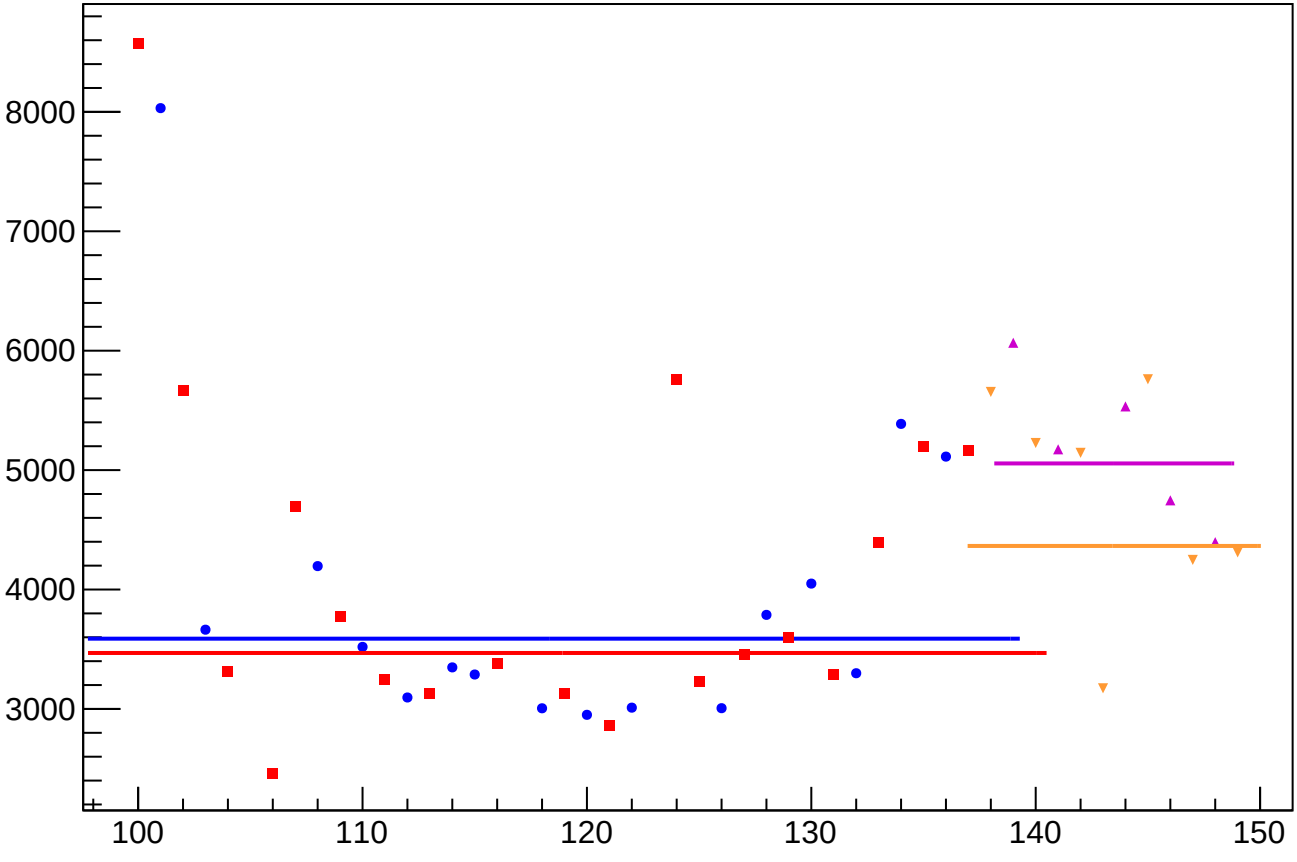
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2424.890+/-1200.941 χ^2/NDF:17.0/20

Out: 1175.591+/-1097.434 χ^2/NDF:24.0/25

All: 1744.092+/-810.129 χ^2/NDF: 41.6/46

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4364.907+/-1.367 χ^2/NDF:472833.7/6

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5055.904+/-1.724 χ^2/NDF:106291.6/4

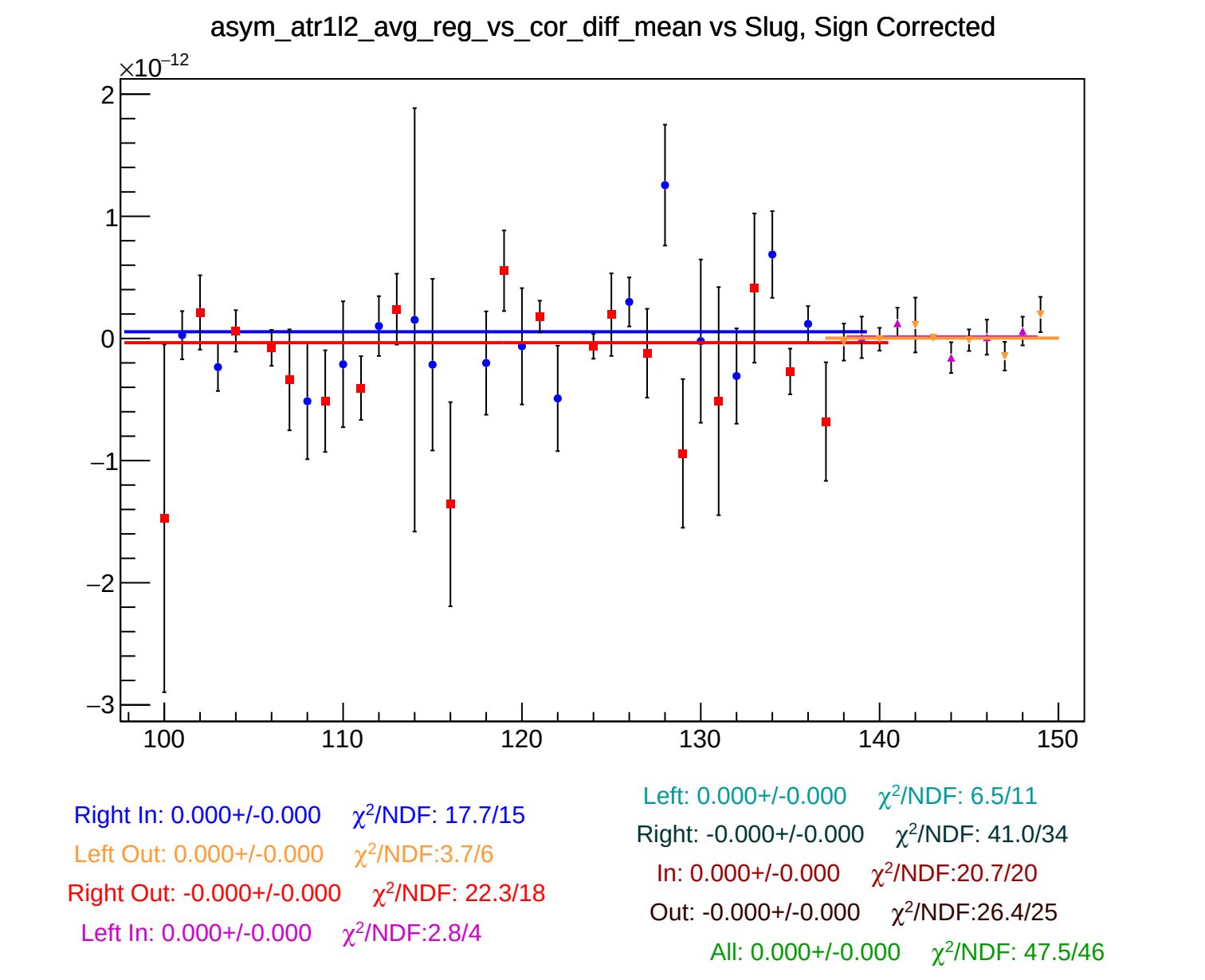
Left: 4631.635+/-1.071 χ^2/NDF: 677738.7/11

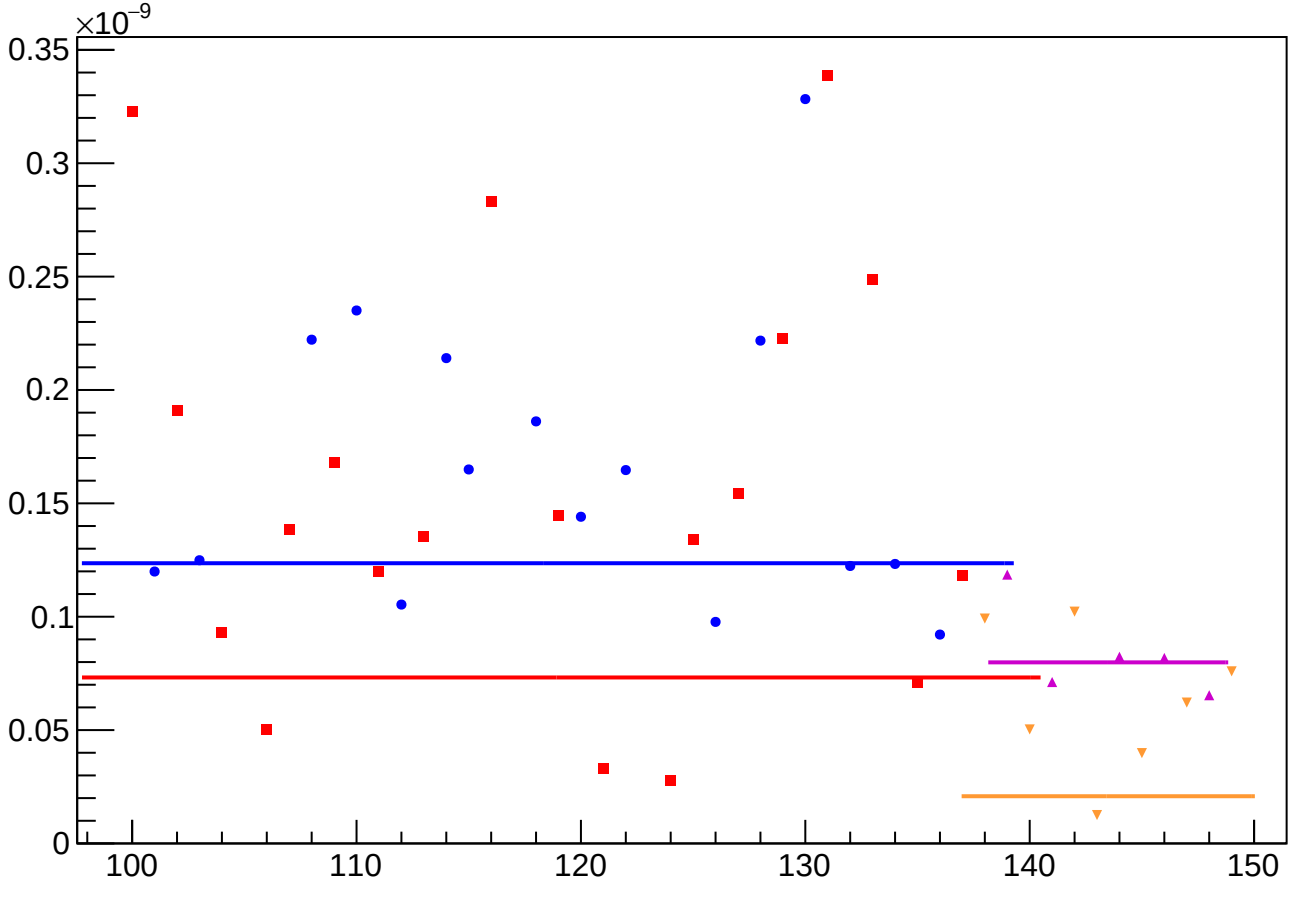
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3944.390+/-0.849 χ^2/NDF:1500170.5/20

Out: 3751.443+/-0.768 χ^2/NDF:1433563.2/25

All: 3838.249+/-0.570 χ^2/NDF: 2962133.3/46


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:3.7/6
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: 6.5/11
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:26.4/25
All: 0.000+/-0.000 χ²/NDF: 47.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1901049.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:144885.4/4

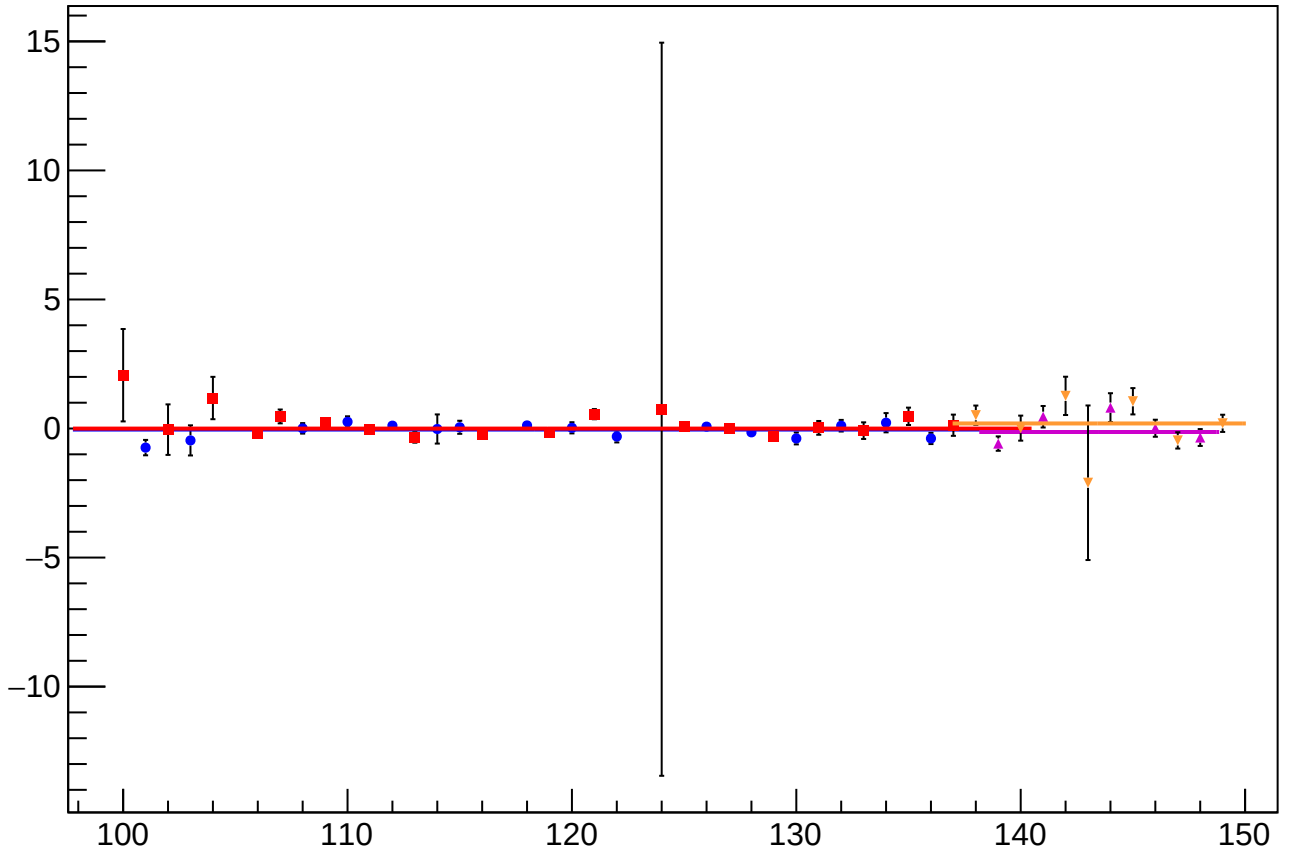
Left: 0.000+/-0.000 χ^2/NDF: 3801827.3/11

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:5779225.1/25

All: 0.000+/-0.000 χ^2/NDF: 10917533.9/46



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.196+/-0.166 χ^2/NDF:10.7/6

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.135+/-0.157 χ^2/NDF:8.1/4

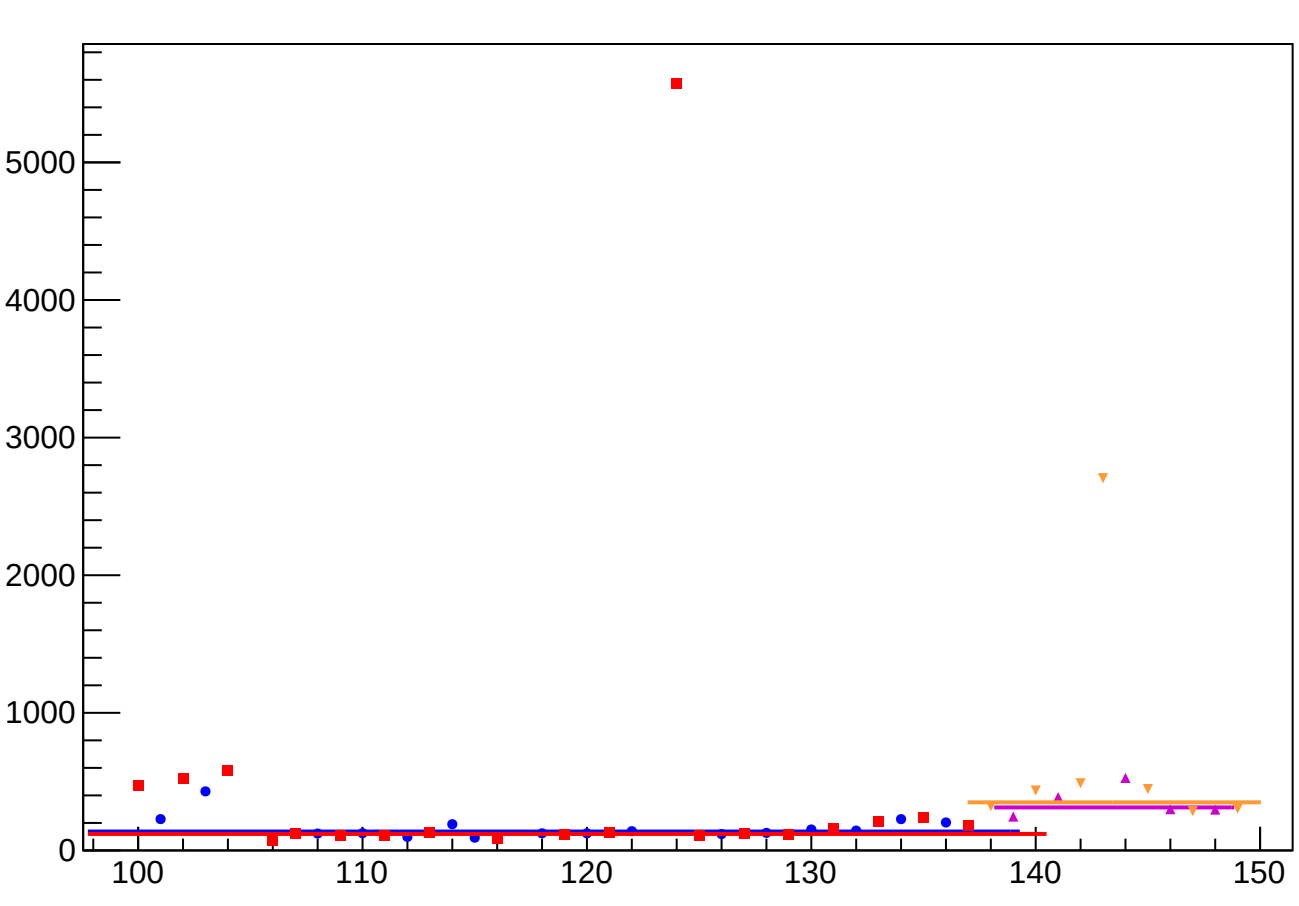
Left: 0.022+/-0.114 χ^2/NDF: 20.9/11

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.3/20

Out: 0.014+/-0.049 χ^2/NDF:40.7/25

All: -0.016+/-0.036 χ^2/NDF: 67.9/46



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.706+/-0.118 χ^2/NDF:1571902.9/6

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

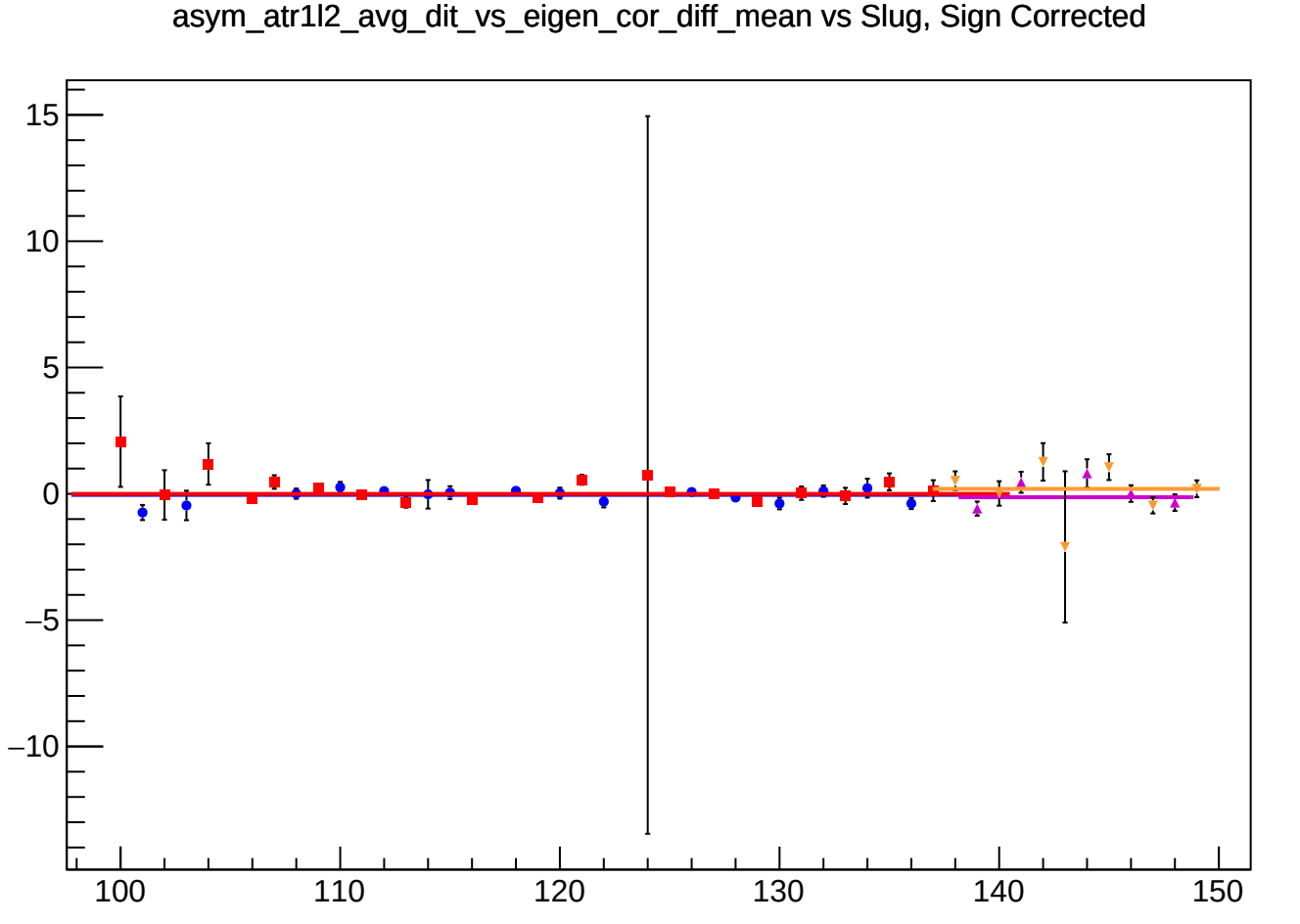
Left: 330.186+/-0.081 χ^2/NDF: 2106039.5/11

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

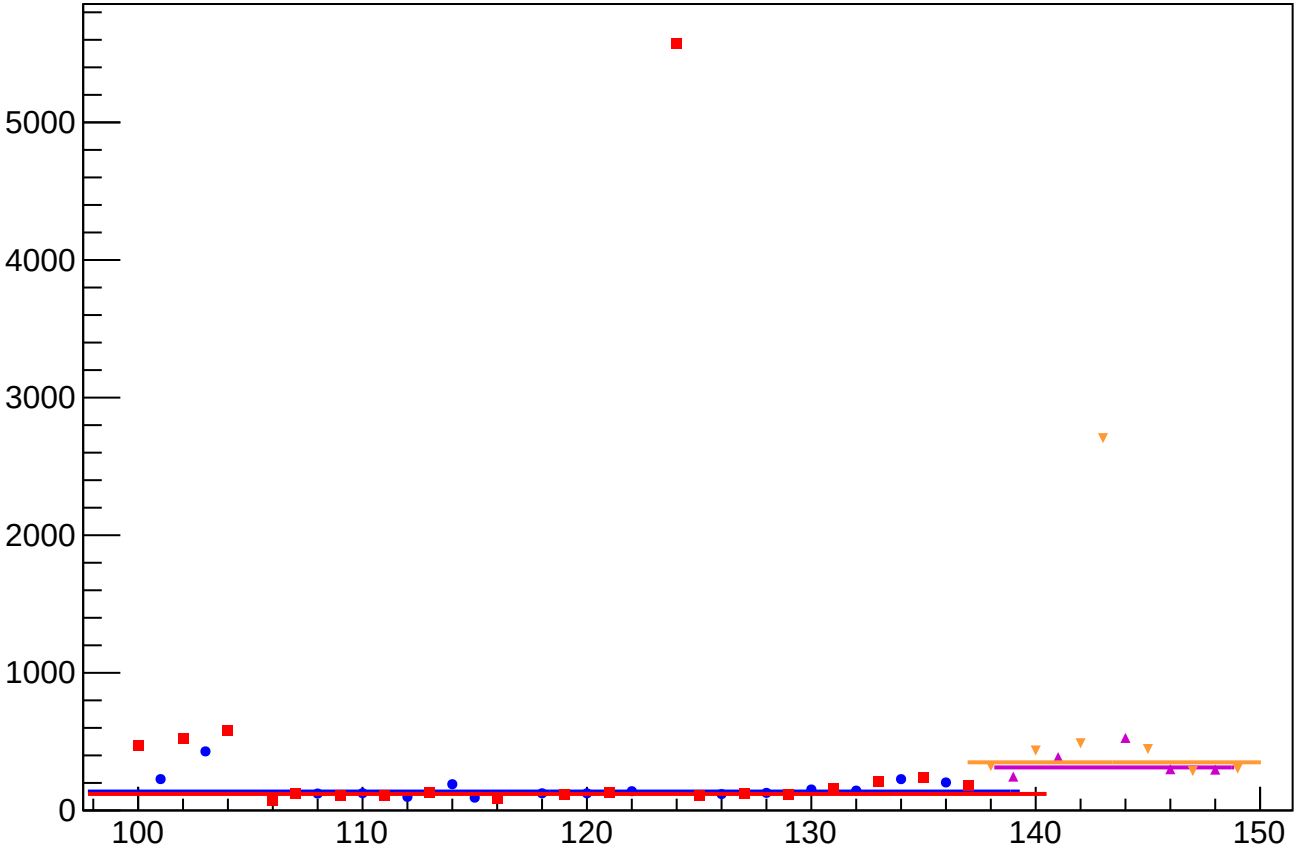
In: 156.971+/-0.037 χ^2/NDF:3951848.9/20

Out: 139.723+/-0.034 χ^2/NDF:7204496.4/25

All: 147.681+/-0.025 χ^2/NDF: 11272129.0/46


asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
15
10
5
0
−5
−10
100
110
120
130
140
150
Right In: -0.040+/-0.056 χ²/NDF: 17.9/15
Left Out: 0.196+/-0.166 χ²/NDF:10.7/6
Right Out: -0.003+/-0.051 χ²/NDF: 28.7/18
Left In: -0.135+/-0.157 χ²/NDF:8.1/4
Left: 0.022+/-0.114 χ²/NDF: 20.9/11
Right: -0.020+/-0.038 χ²/NDF: 46.9/34
In: -0.050+/-0.053 χ²/NDF:26.3/20
Out: 0.014+/-0.049 χ²/NDF:40.7/25
All: -0.016+/-0.036 χ²/NDF: 67.9/46

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.706+/-0.118 χ^2/NDF:1571902.9/6

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 312.667+/-0.111 χ^2/NDF:481781.8/4

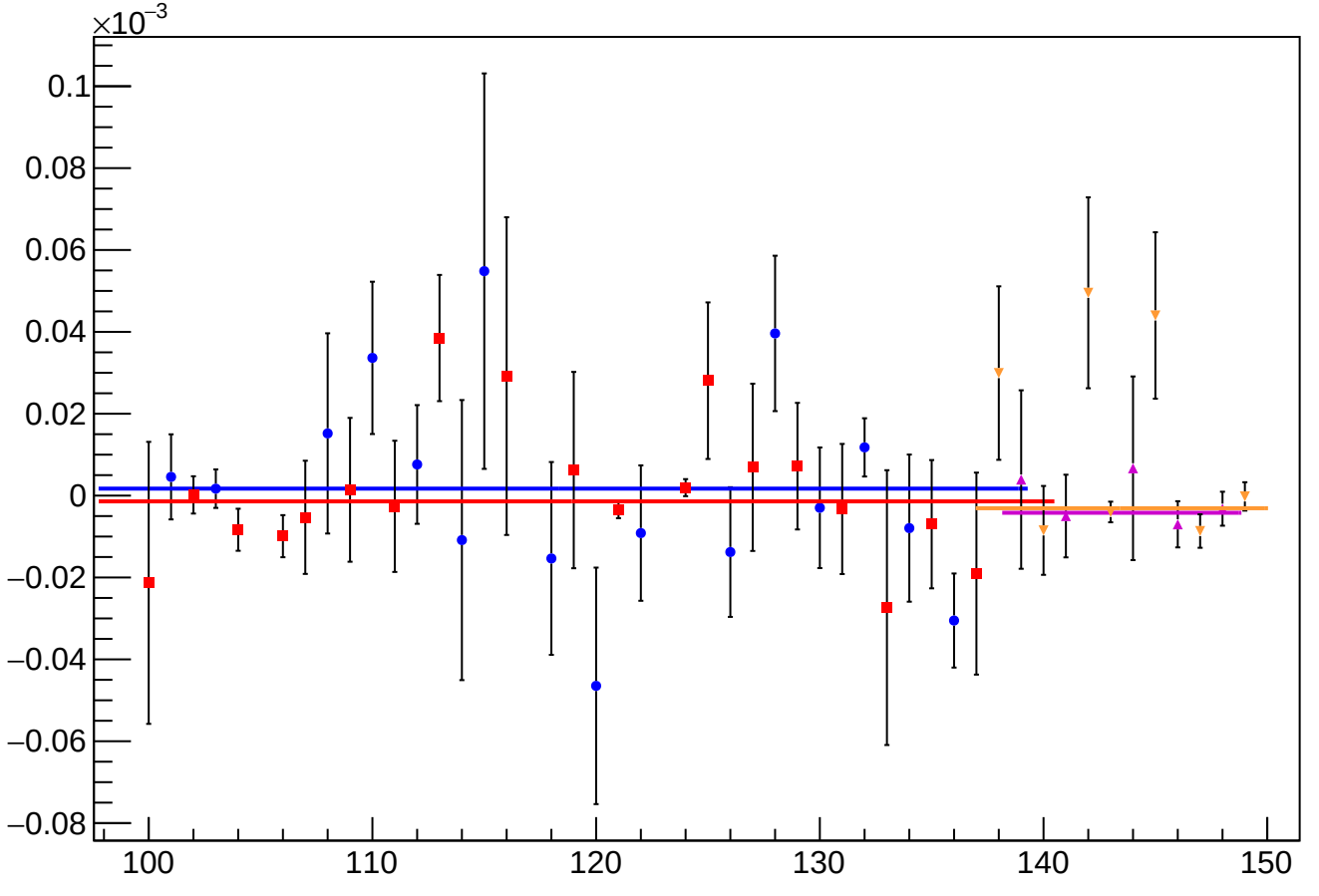
Left: 330.186+/-0.081 χ^2/NDF: 2106039.5/11

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 156.971+/-0.037 χ^2/NDF:3951848.9/20

Out: 139.723+/-0.034 χ^2/NDF:7204496.4/25

All: 147.681+/-0.025 χ^2/NDF: 11272129.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

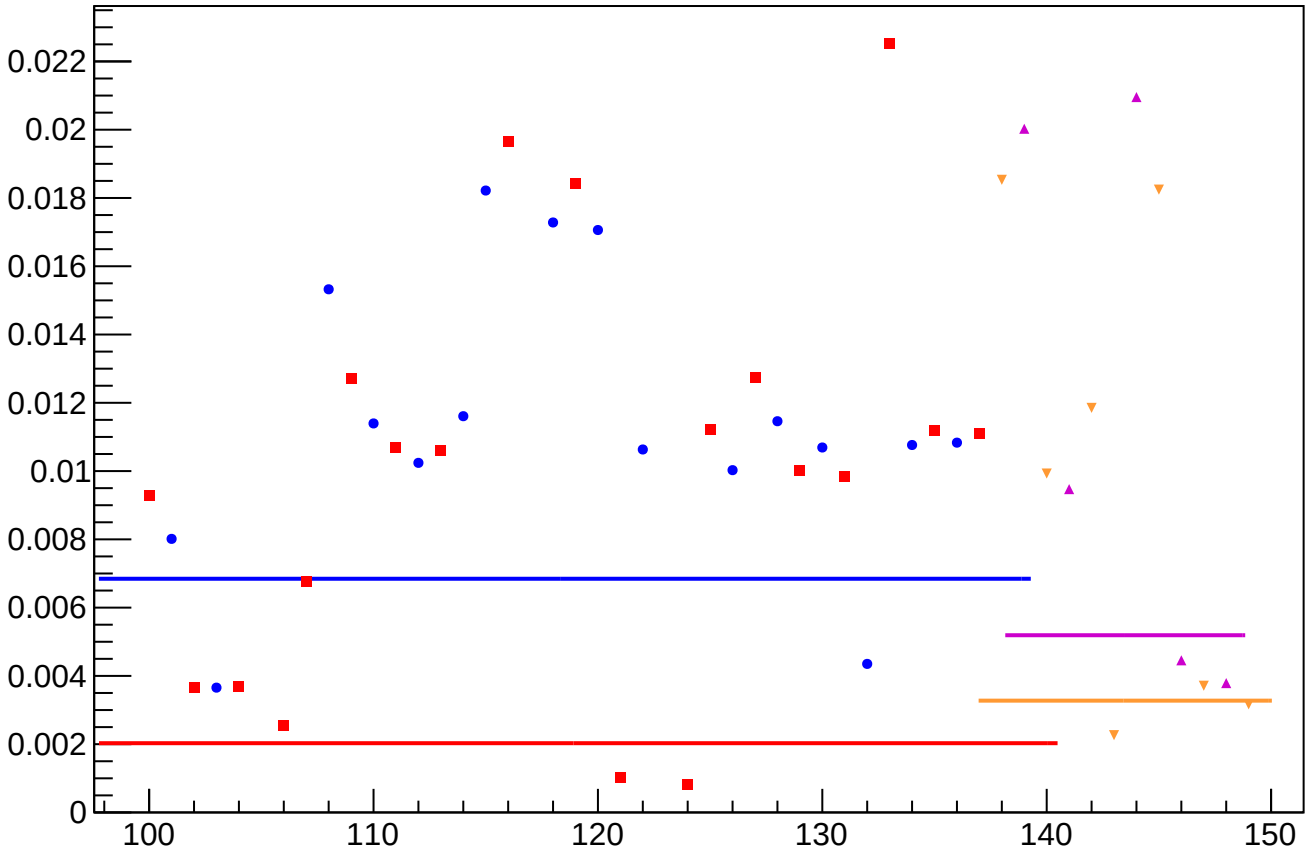
Left: -0.000+/-0.000 χ^2/NDF: 16.6/11

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:36.7/25

All: -0.000+/-0.000 χ^2/NDF: 63.2/46



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3491070.0/6

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: 6599385.5/11

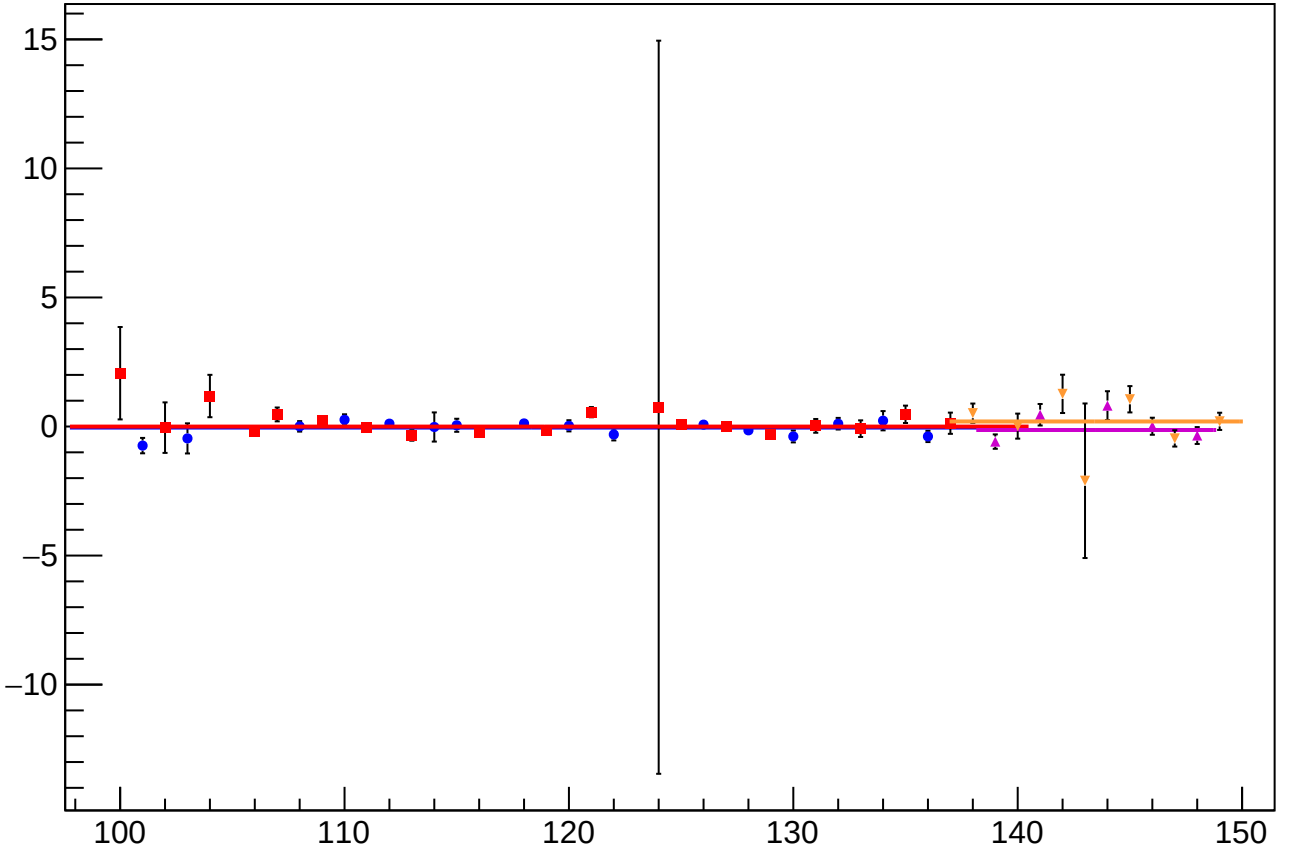
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:6062550.3/20

Out: 0.002+/-0.000 χ^2/NDF:13153596.3/25

All: 0.003+/-0.000 χ^2/NDF: 23829517.4/46

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.196+/-0.166 χ^2/NDF:10.7/6

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.135+/-0.157 χ^2/NDF:8.1/4

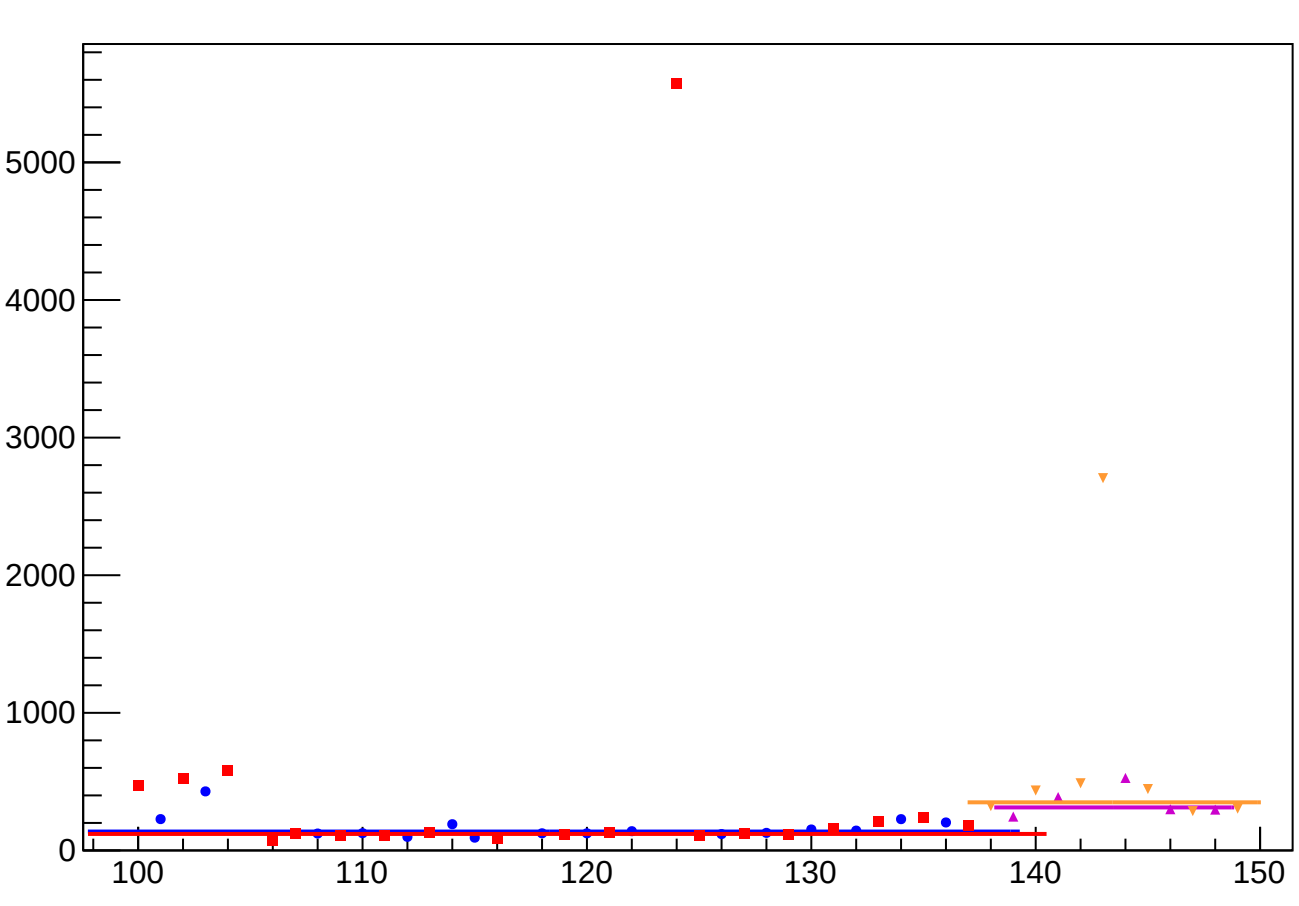
Left: 0.022+/-0.114 χ^2/NDF: 20.9/11

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.4/20

Out: 0.014+/-0.049 χ^2/NDF:40.7/25

All: -0.016+/-0.036 χ^2/NDF: 67.9/46



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.708+/-0.118 χ^2/NDF:1571930.5/6

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: 330.190+/-0.081 χ^2/NDF: 2106045.1/11

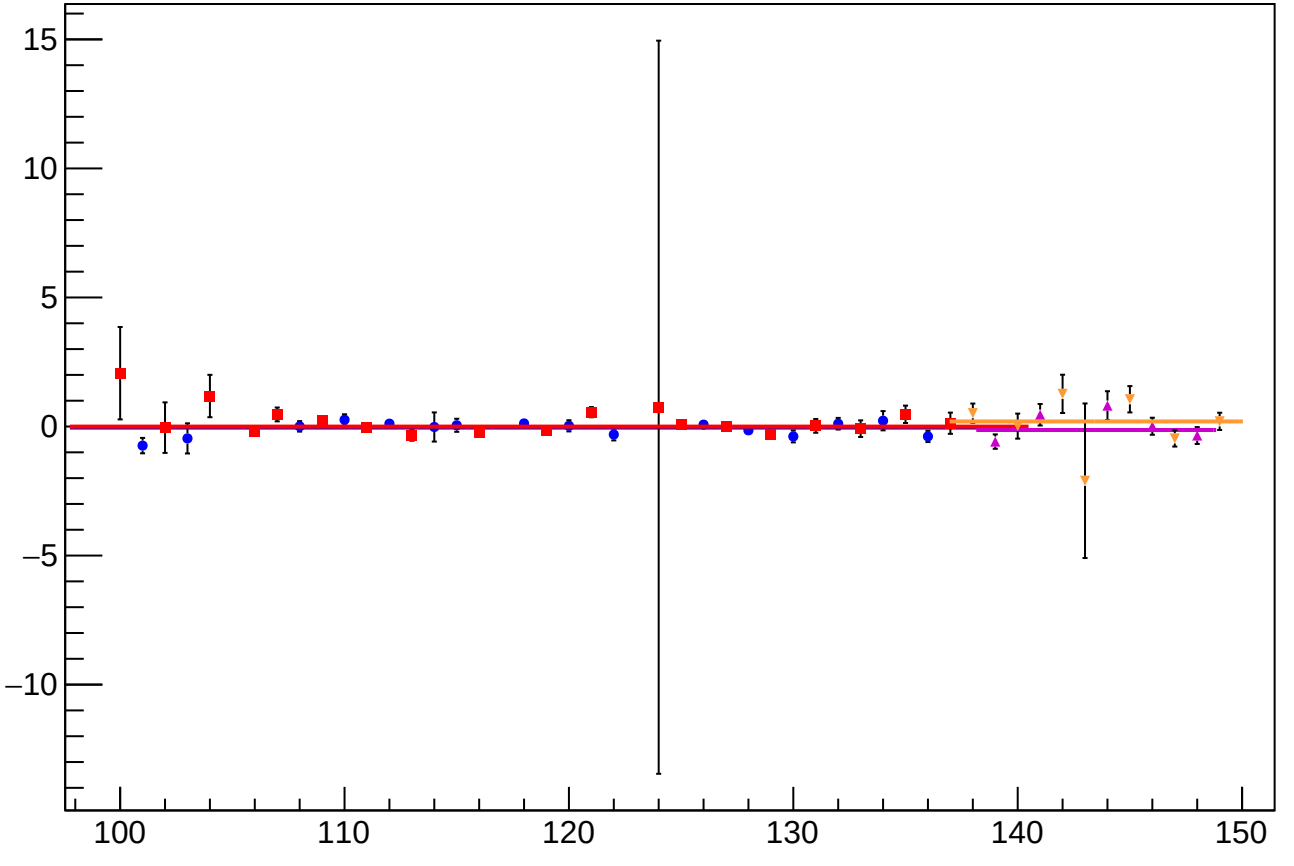
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 156.972+/-0.037 χ^2/NDF:3951810.8/20

Out: 139.723+/-0.034 χ^2/NDF:7204467.3/25

All: 147.681+/-0.025 χ^2/NDF: 11272076.0/46

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: 0.196+/-0.166 χ^2/NDF:10.7/6

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: 0.022+/-0.114 χ^2/NDF: 20.9/11

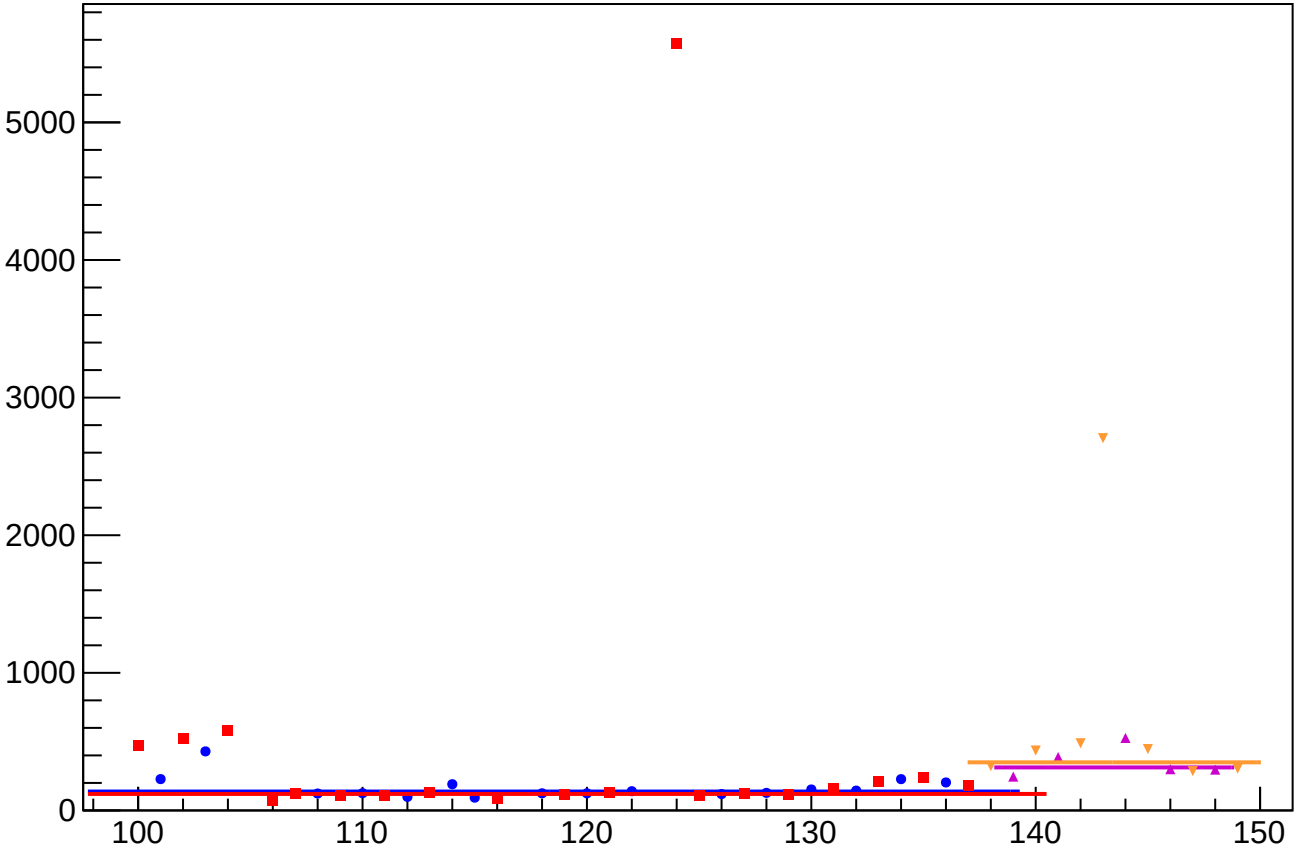
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.053 χ^2/NDF:26.4/20

Out: 0.014+/-0.049 χ^2/NDF:40.7/25

All: -0.016+/-0.036 χ^2/NDF: 67.9/46

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.708+/-0.118 χ^2/NDF:1571930.5/6

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 312.672+/-0.111 χ^2/NDF:481768.6/4

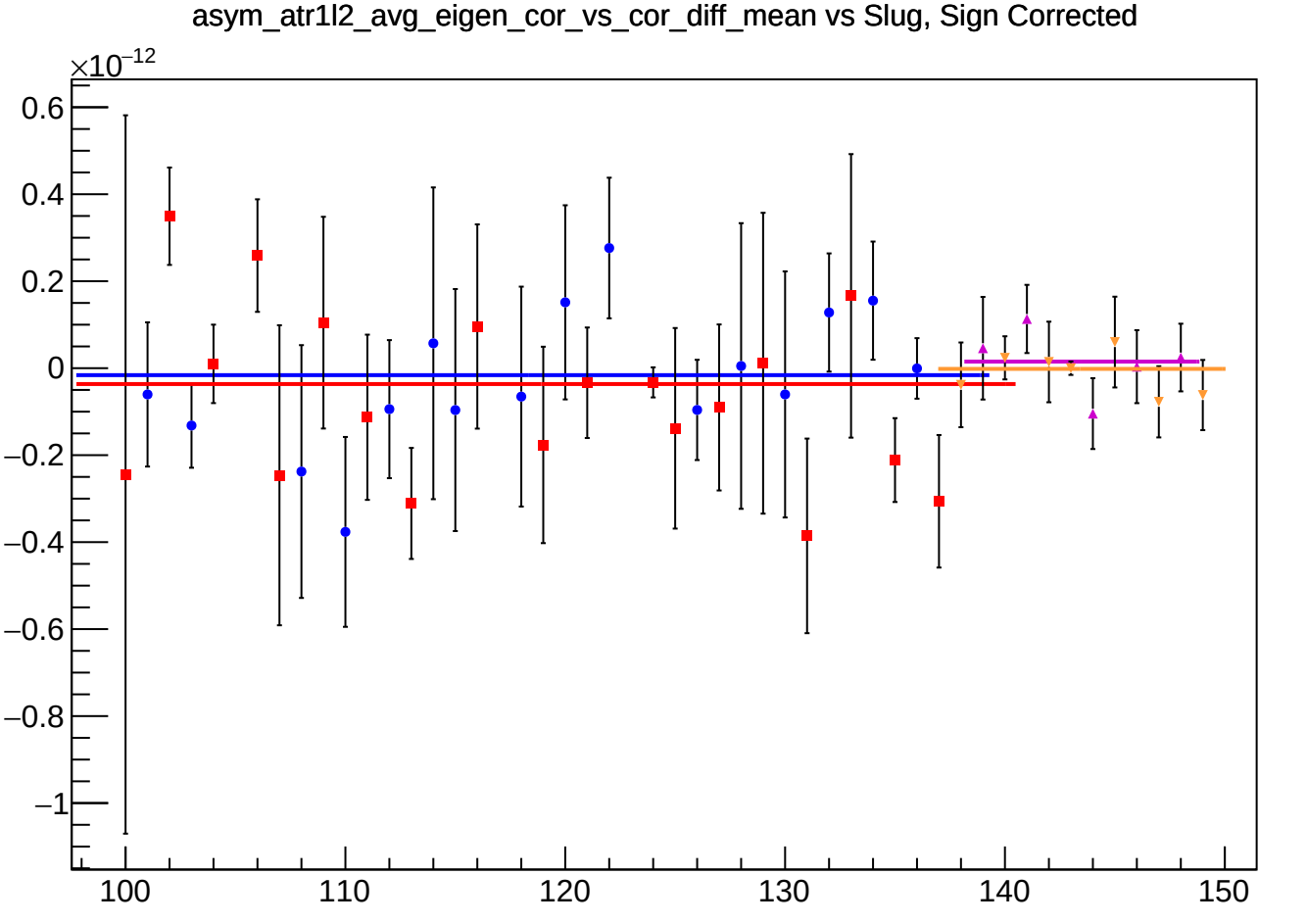
Left: 330.190+/-0.081 χ^2/NDF: 2106045.1/11

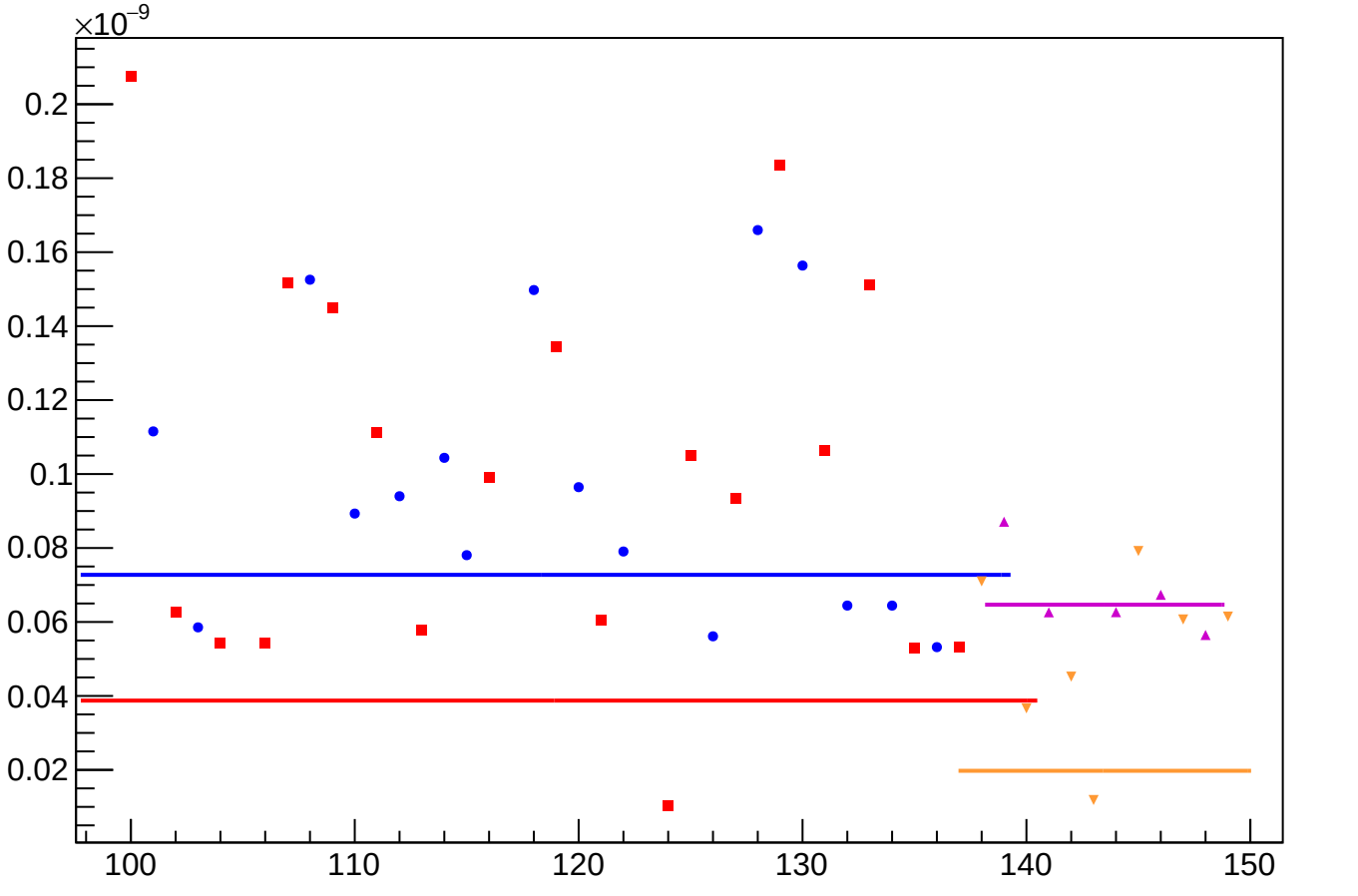
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 156.972+/-0.037 χ^2/NDF:3951810.8/20

Out: 139.723+/-0.034 χ^2/NDF:7204467.3/25

All: 147.681+/-0.025 χ^2/NDF: 11272076.0/46


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:2.2/6
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: 6.2/11
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:36.8/25
All: -0.000+/-0.000 χ²/NDF: 53.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3142811.8/6

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: 5709398.5/11

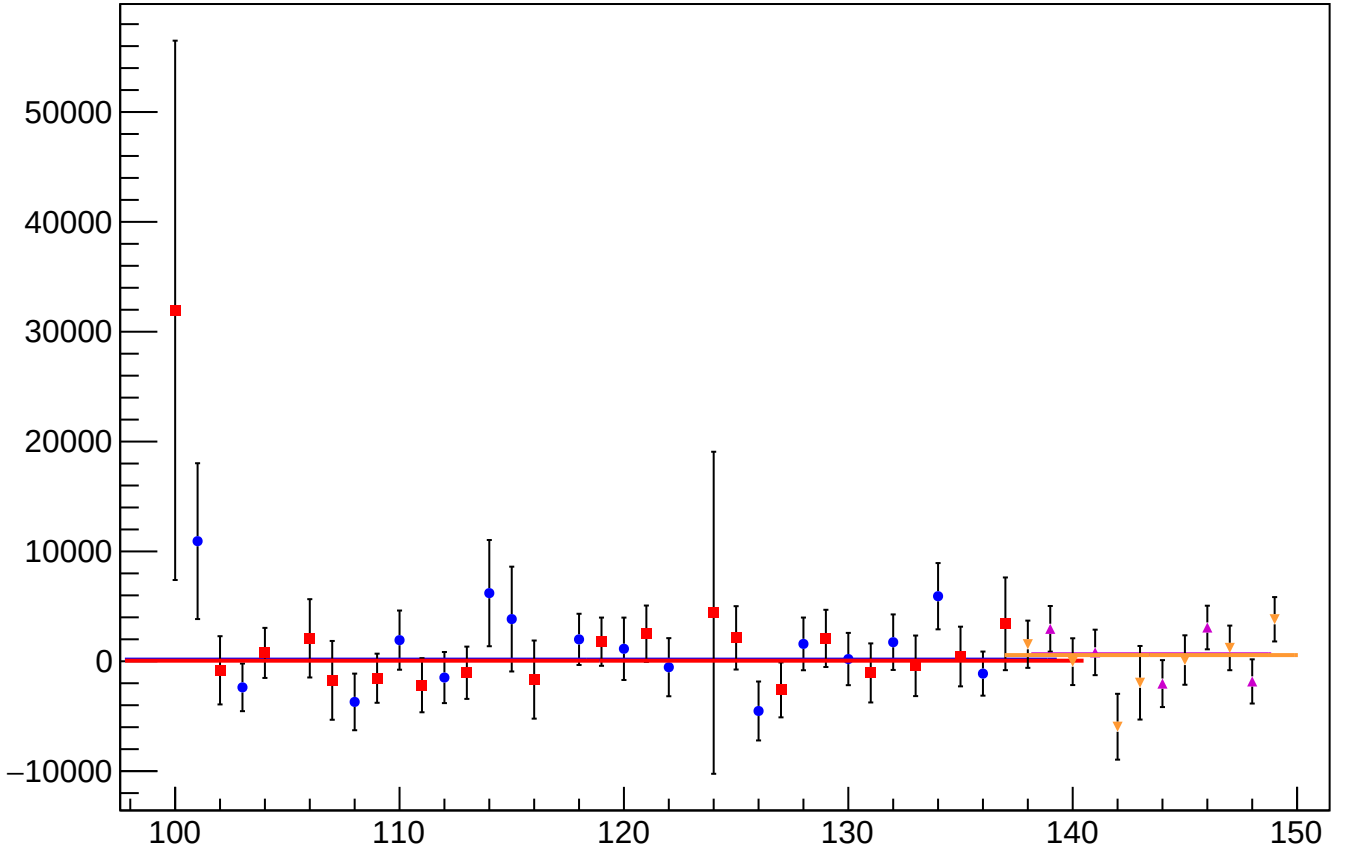
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1273152.9/20

Out: 0.000+/-0.000 χ^2/NDF:8269089.1/25

All: 0.000+/-0.000 χ^2/NDF: 14214421.6/46

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 563.403+/-869.521 χ^2/NDF:8.3/6

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 637.187+/-918.722 χ^2/NDF:5.8/4

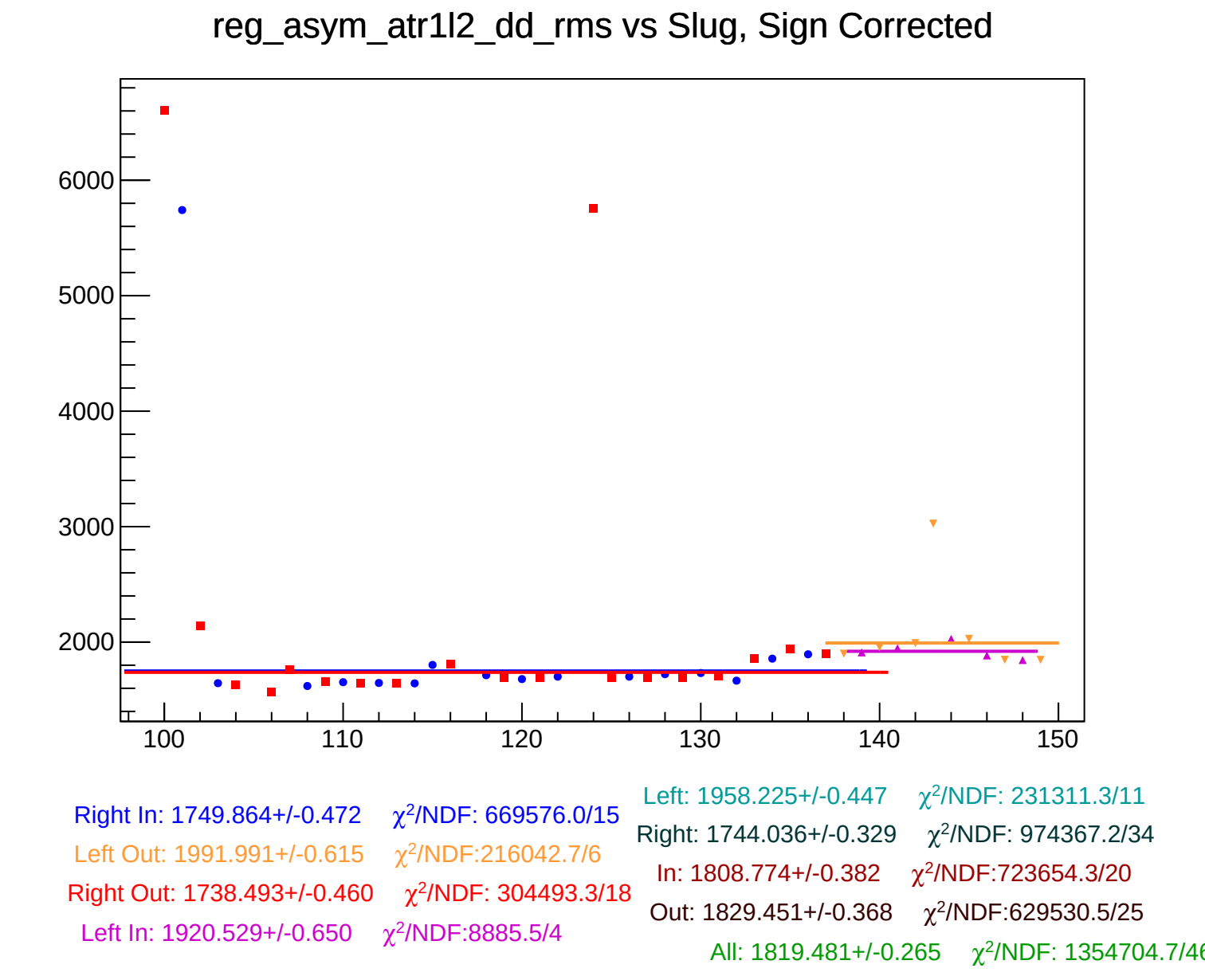
Left: 598.266+/-631.522 χ^2/NDF: 14.2/11

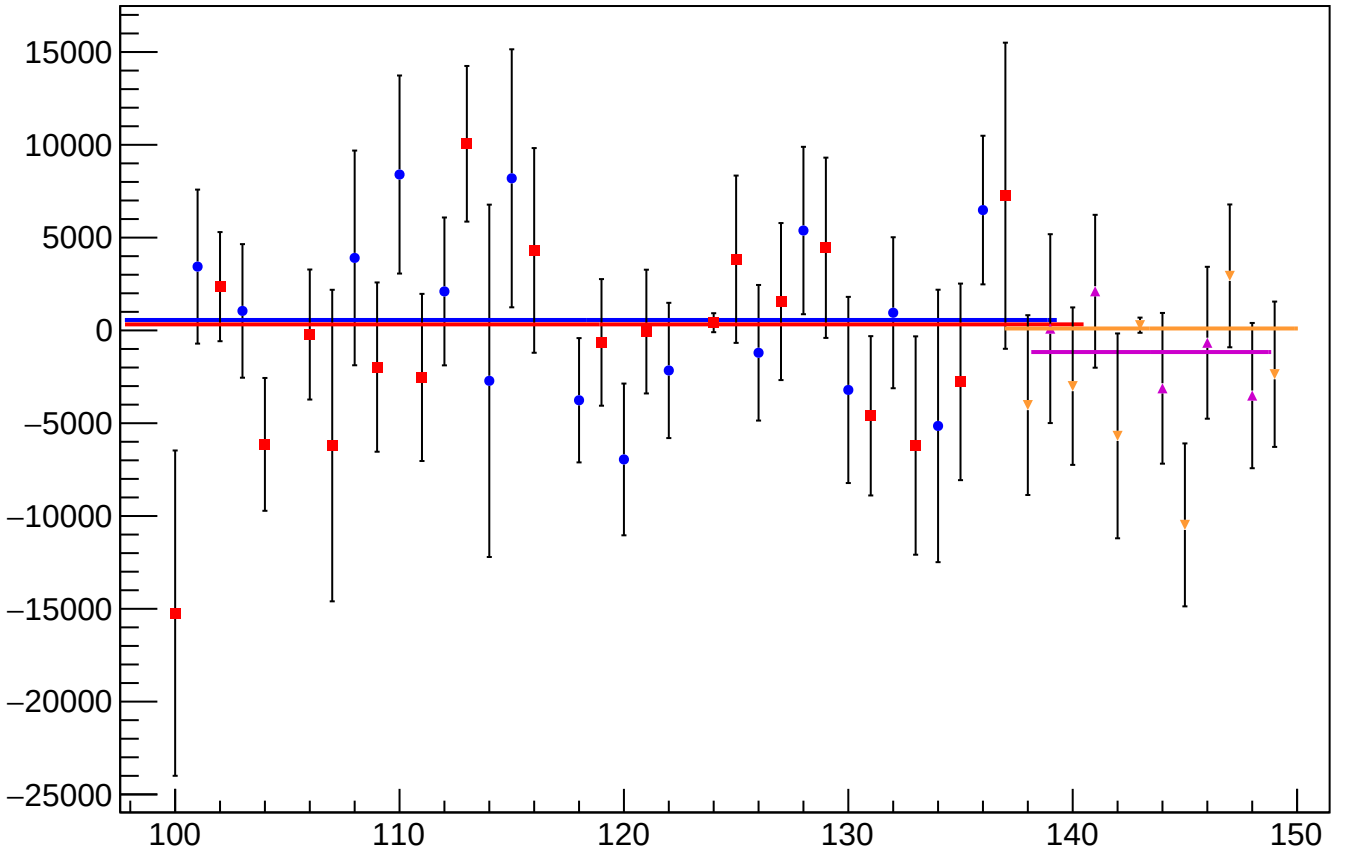
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 318.639+/-539.767 χ^2/NDF:23.7/20

Out: 238.577+/-523.309 χ^2/NDF:17.5/25

All: 277.369+/-375.719 χ^2/NDF: 41.2/46


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: 1991.991+/-0.615 χ²/NDF:216042.7/6
Right Out: 1738.493+/-0.460 χ²/NDF: 304493.3/18
Left In: 1920.529+/-0.650 χ²/NDF:8885.5/4
Left: 1958.225+/-0.447 χ²/NDF: 231311.3/11
Right: 1744.036+/-0.329 χ²/NDF: 974367.2/34
In: 1808.774+/-0.382 χ²/NDF:723654.3/20
Out: 1829.451+/-0.368 χ²/NDF:629530.5/25
All: 1819.481+/-0.265 χ²/NDF: 1354704.7/46



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 104.182+/-398.699 χ^2/NDF:9.3/6

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1165.477+/-1879.000 χ^2/NDF:1.3/4

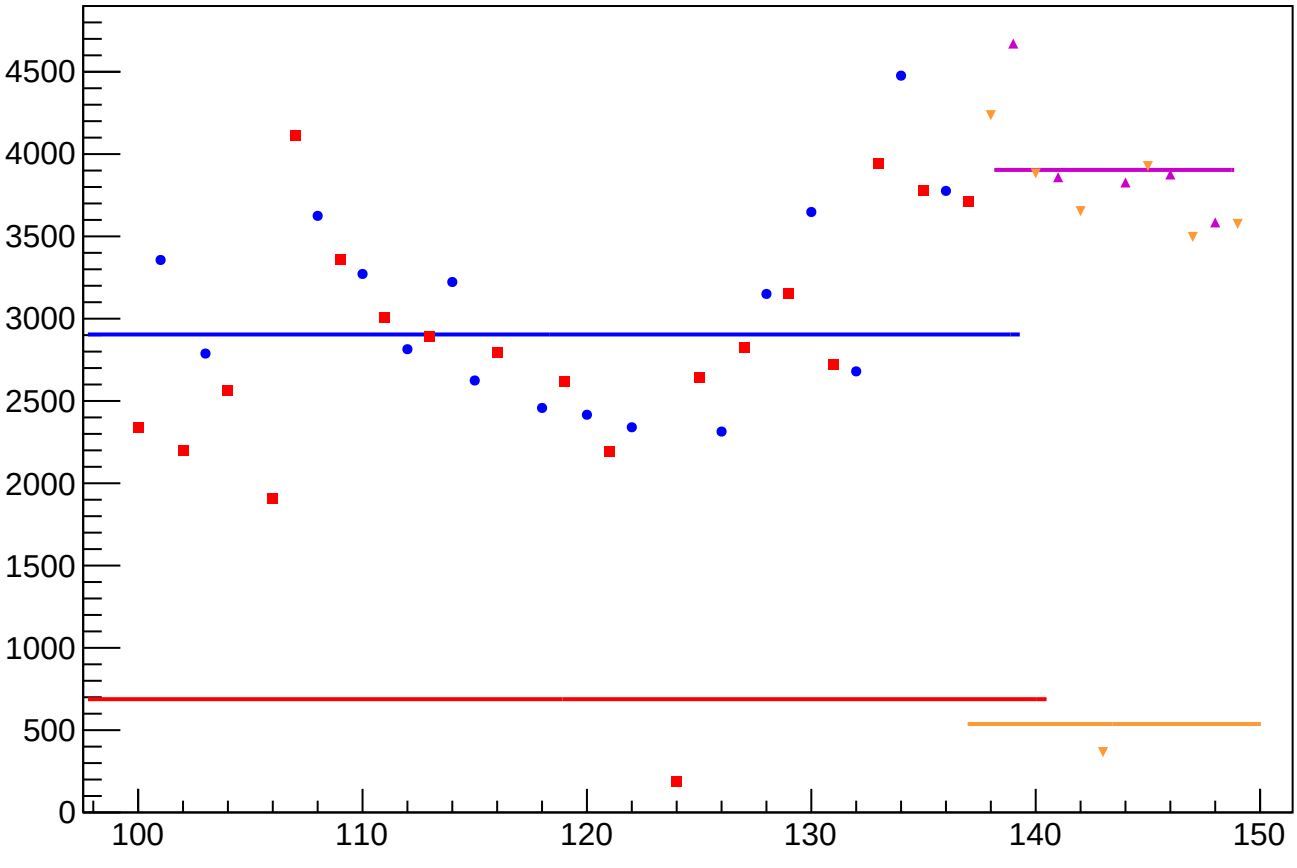
Left: 49.481+/-390.016 χ^2/NDF: 11.0/11

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 120.638+/-950.041 χ^2/NDF:16.7/20

Out: 199.635+/-300.703 χ^2/NDF:28.7/25

All: 192.442+/-286.686 χ^2/NDF: 45.4/46



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 537.440+/-0.282 χ^2/NDF:6974883.7/6

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: 682.472+/-0.276 χ^2/NDF: 13177435.9/11

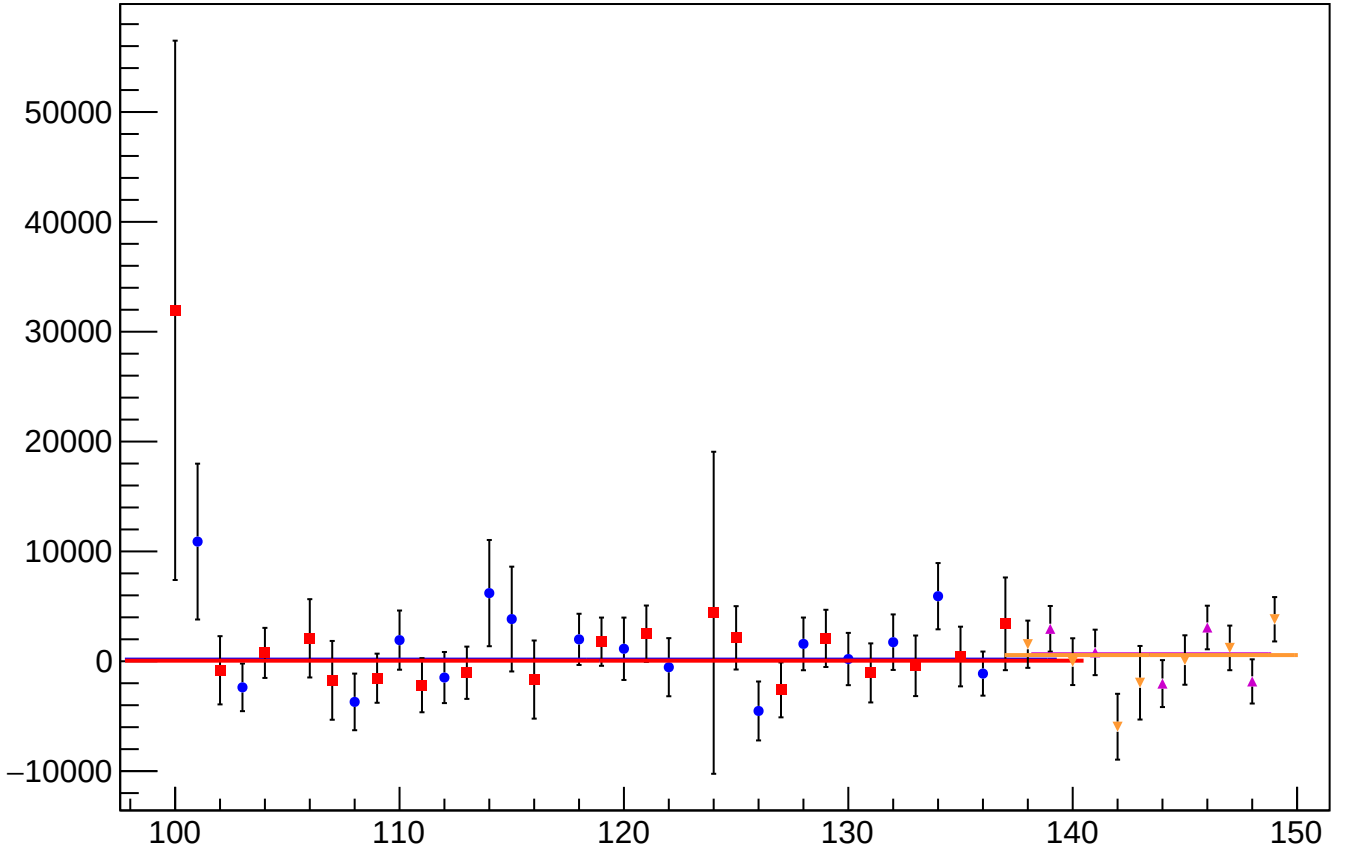
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3159.623+/-0.672 χ^2/NDF:961017.0/20

Out: 602.494+/-0.213 χ^2/NDF:17247291.0/25

All: 835.345+/-0.203 χ^2/NDF: 31378303.3/46

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 563.270+/-869.521 χ^2/NDF:8.3/6

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 637.227+/-918.722 χ^2/NDF:5.8/4

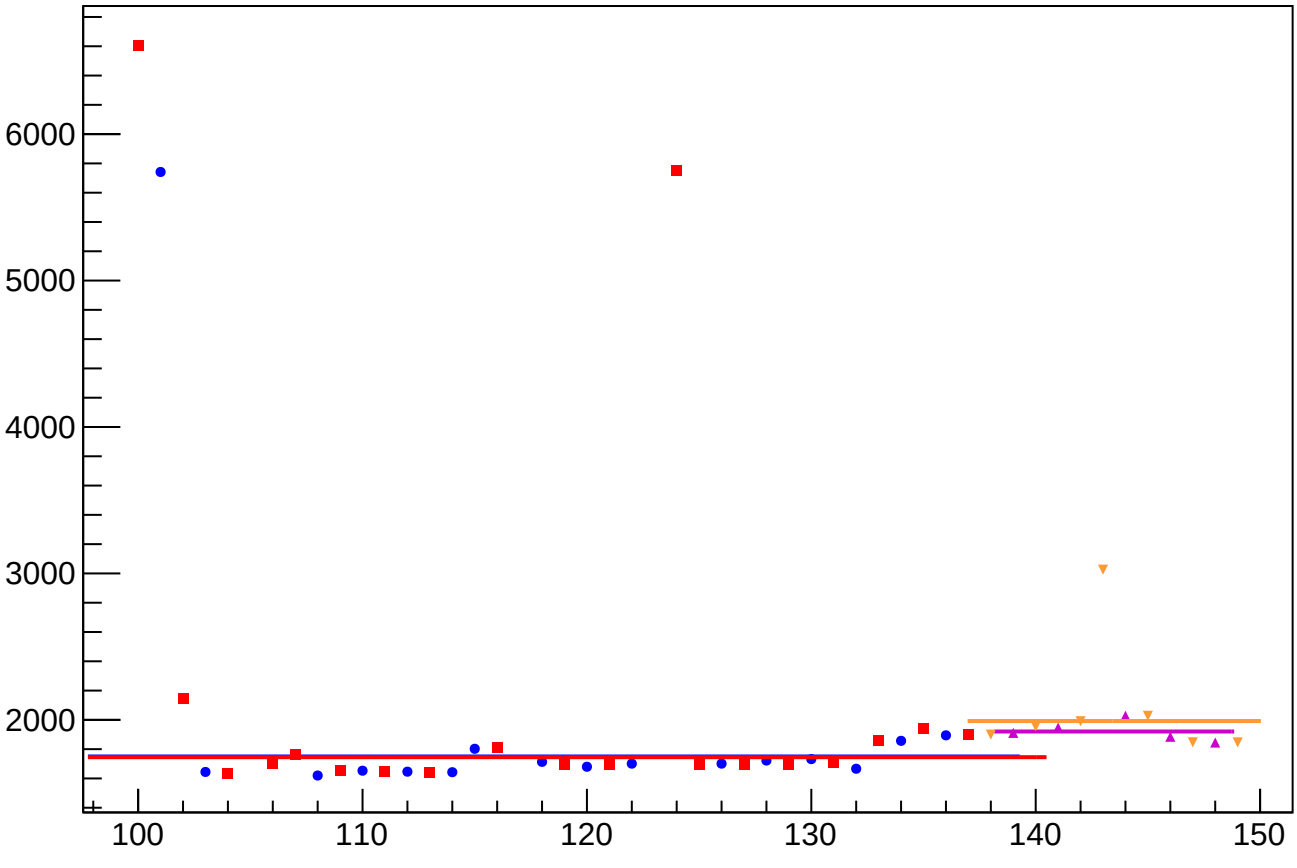
Left: 598.215+/-631.522 χ^2/NDF: 14.2/11

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 318.347+/-539.767 χ^2/NDF:23.7/20

Out: 238.561+/-523.309 χ^2/NDF:17.5/25

All: 277.219+/-375.719 χ^2/NDF: 41.2/46



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1991.991+/-0.615 χ^2/NDF:216042.6/6

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

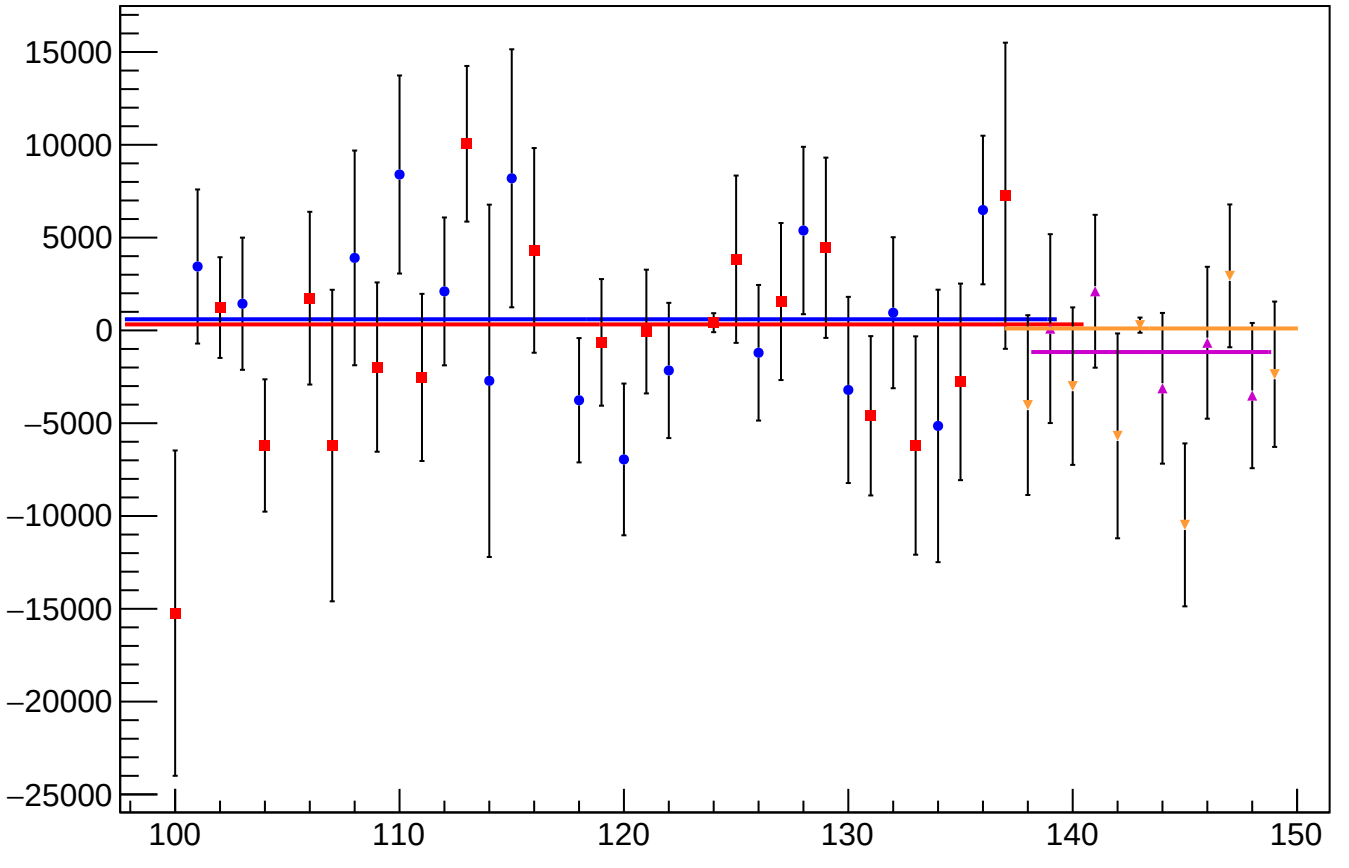
Left: 1958.225+/-0.447 χ^2/NDF: 231311.3/11

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1808.774+/-0.382 χ^2/NDF:723654.7/20

Out: 1834.155+/-0.369 χ^2/NDF:617066.7/25

All: 1821.888+/-0.265 χ^2/NDF: 1343006.2/46



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 105.147+/-398.733 χ^2/NDF:9.3/6

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1165.523+/-1878.997 χ^2/NDF:1.3/4

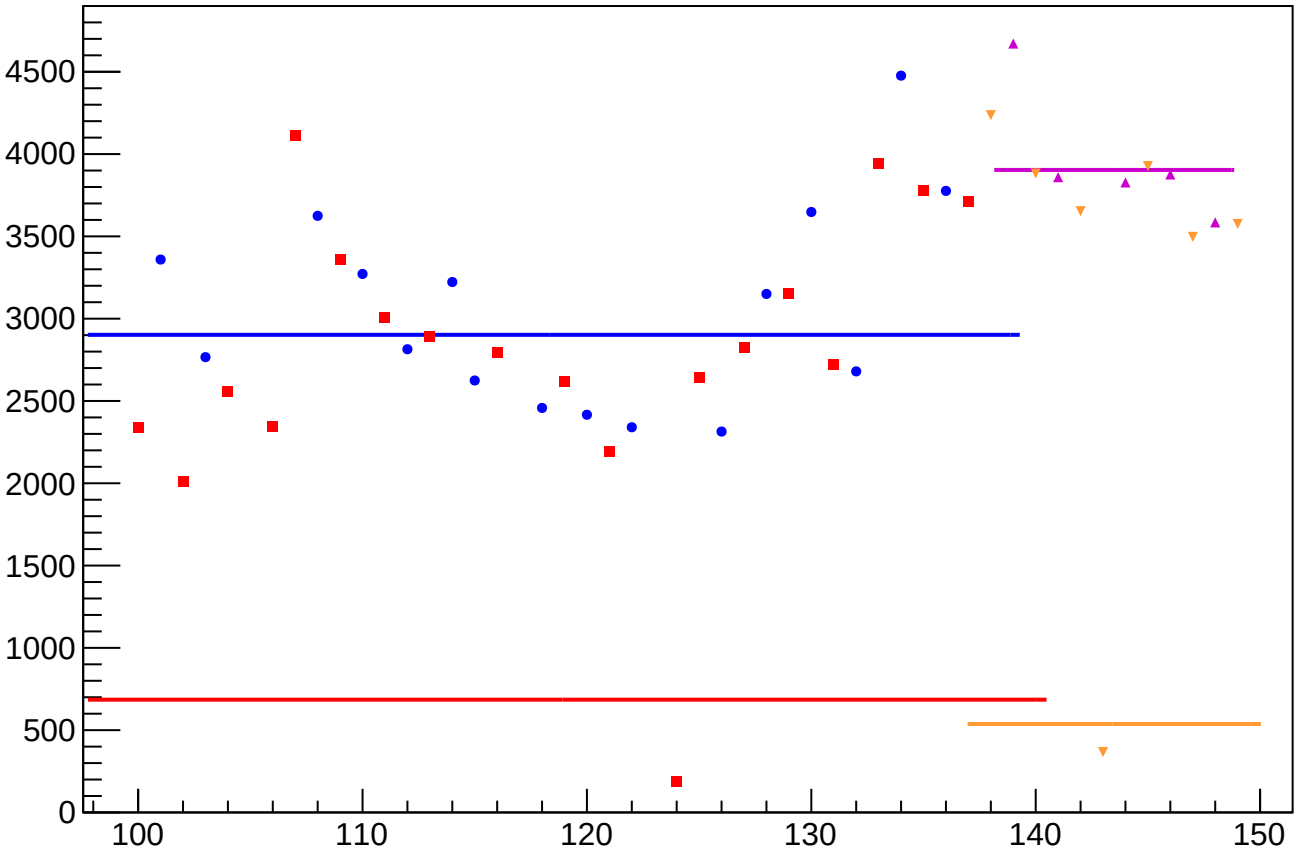
Left: 50.393+/-390.047 χ^2/NDF: 11.0/11

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 149.441+/-949.375 χ^2/NDF:16.8/20

Out: 198.944+/-300.976 χ^2/NDF:28.4/25

All: 194.423+/-286.904 χ^2/NDF: 45.3/46



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 537.507+/-0.282 χ^2/NDF:6974660.1/6

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3903.750+/-1.329 χ^2/NDF:59840.0/4

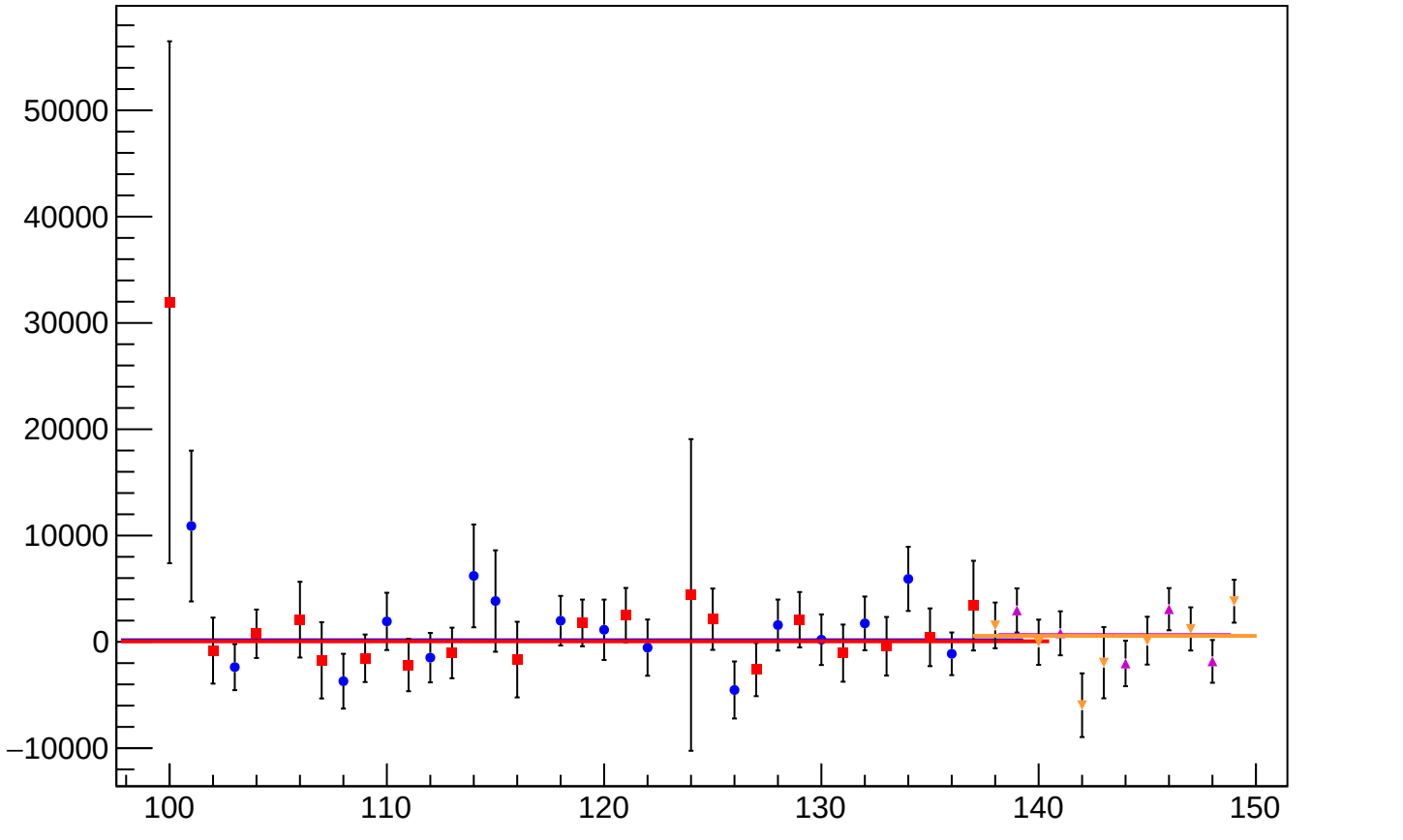
Left: 682.561+/-0.276 χ^2/NDF: 13176917.1/11

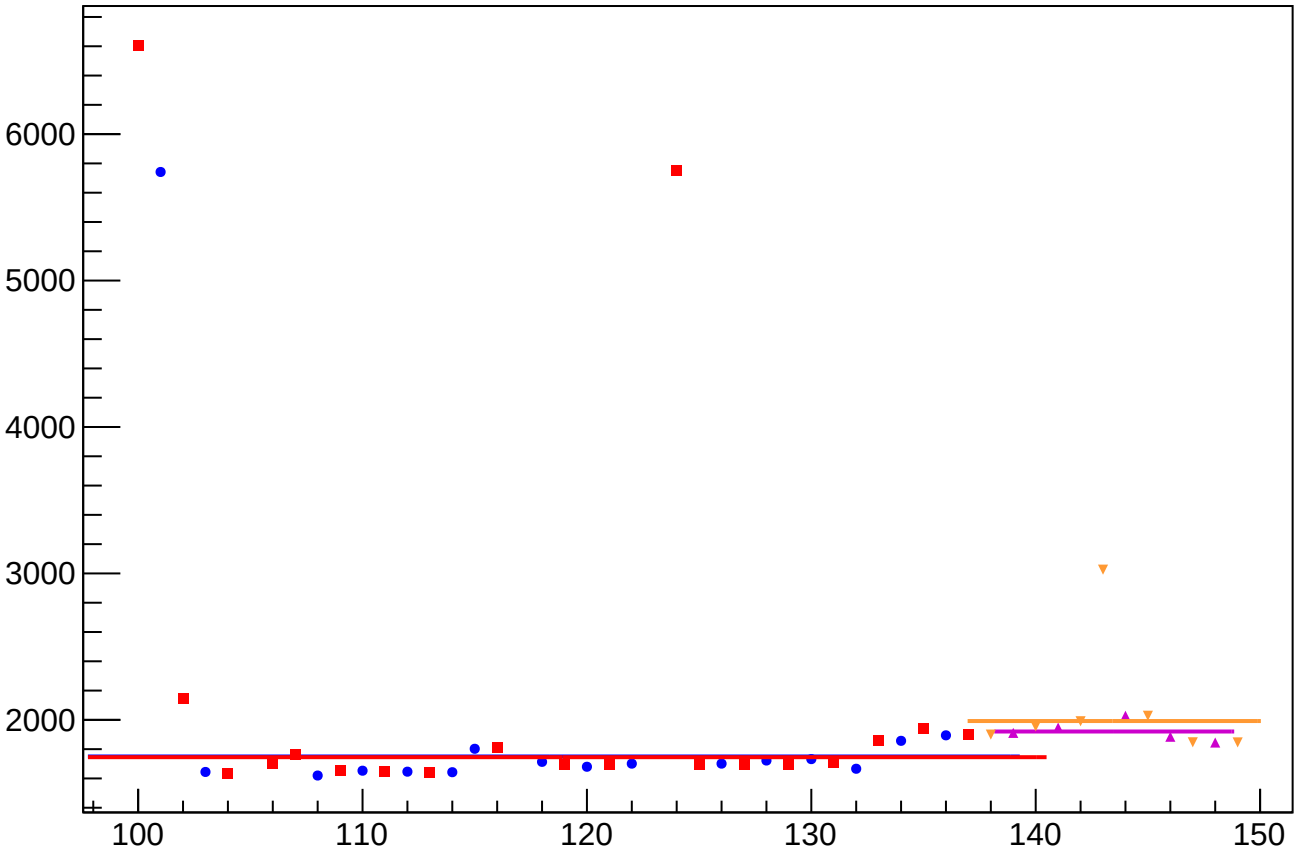
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3157.627+/-0.671 χ^2/NDF:964229.3/20

Out: 601.073+/-0.213 χ^2/NDF:17198602.9/25

All: 834.555+/-0.203 χ^2/NDF: 31341526.4/46


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 563.270+/-869.521 χ²/NDF:8.3/6
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: 637.227+/-918.722 χ²/NDF:5.8/4
Left: 598.215+/-631.522 χ²/NDF: 14.2/11
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: 318.347+/-539.767 χ²/NDF:23.7/20
Out: 238.561+/-523.309 χ²/NDF:17.5/25
All: 277.219+/-375.719 χ²/NDF: 41.2/46



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1991.991+/-0.615 χ^2/NDF:216042.6/6

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1920.529+/-0.650 χ^2/NDF:8885.5/4

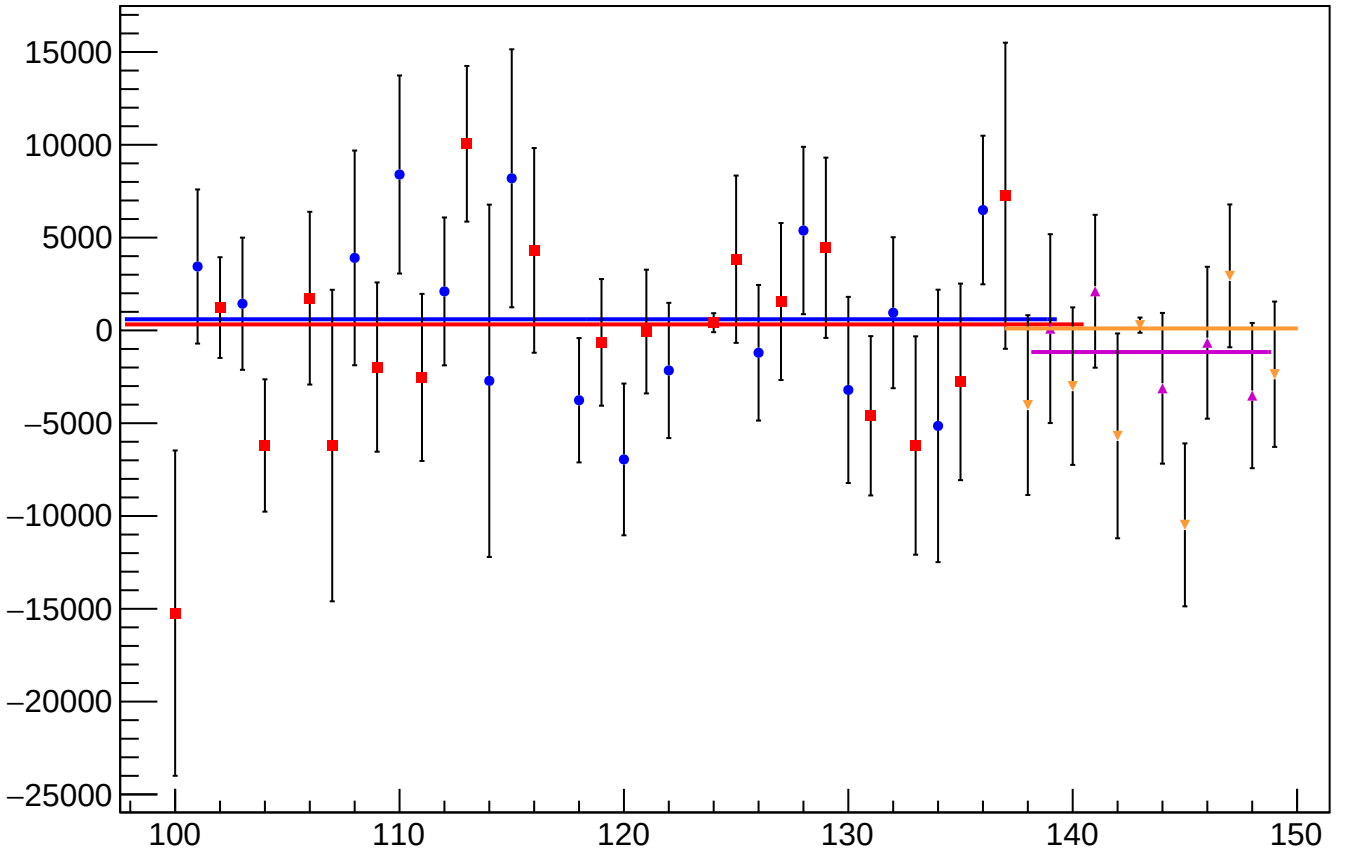
Left: 1958.225+/-0.447 χ^2/NDF: 231311.3/11

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1808.774+/-0.382 χ^2/NDF:723654.7/20

Out: 1834.155+/-0.369 χ^2/NDF:617066.7/25

All: 1821.888+/-0.265 χ^2/NDF: 1343006.2/46



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 105.147+/-398.733 χ^2/NDF:9.3/6

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1165.523+/-1878.997 χ^2/NDF:1.3/4

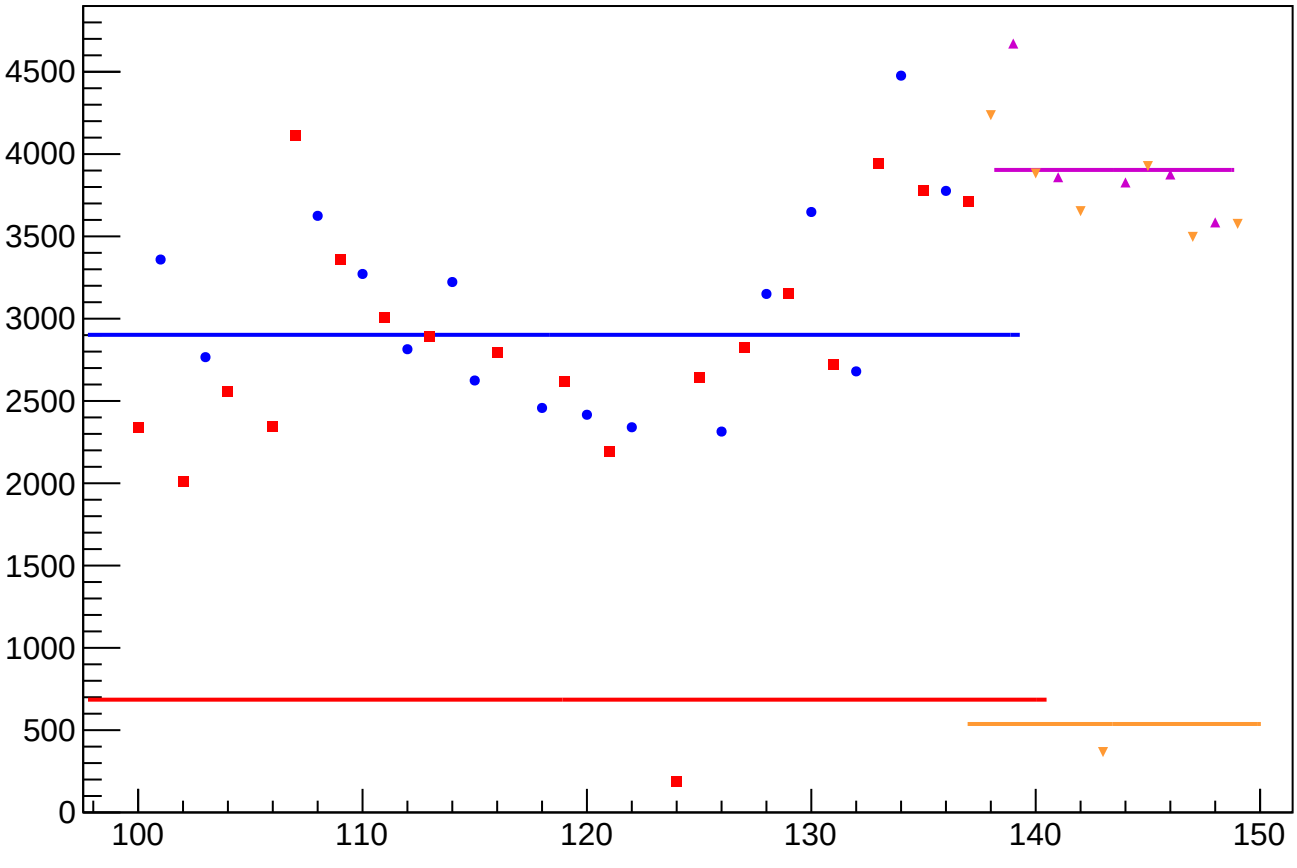
Left: 50.393+/-390.047 χ^2/NDF: 11.0/11

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 149.441+/-949.375 χ^2/NDF:16.8/20

Out: 198.944+/-300.976 χ^2/NDF:28.4/25

All: 194.423+/-286.904 χ^2/NDF: 45.3/46



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 537.507+/-0.282 χ^2/NDF:6974660.1/6

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: 682.561+/-0.276 χ^2/NDF: 13176917.1/11

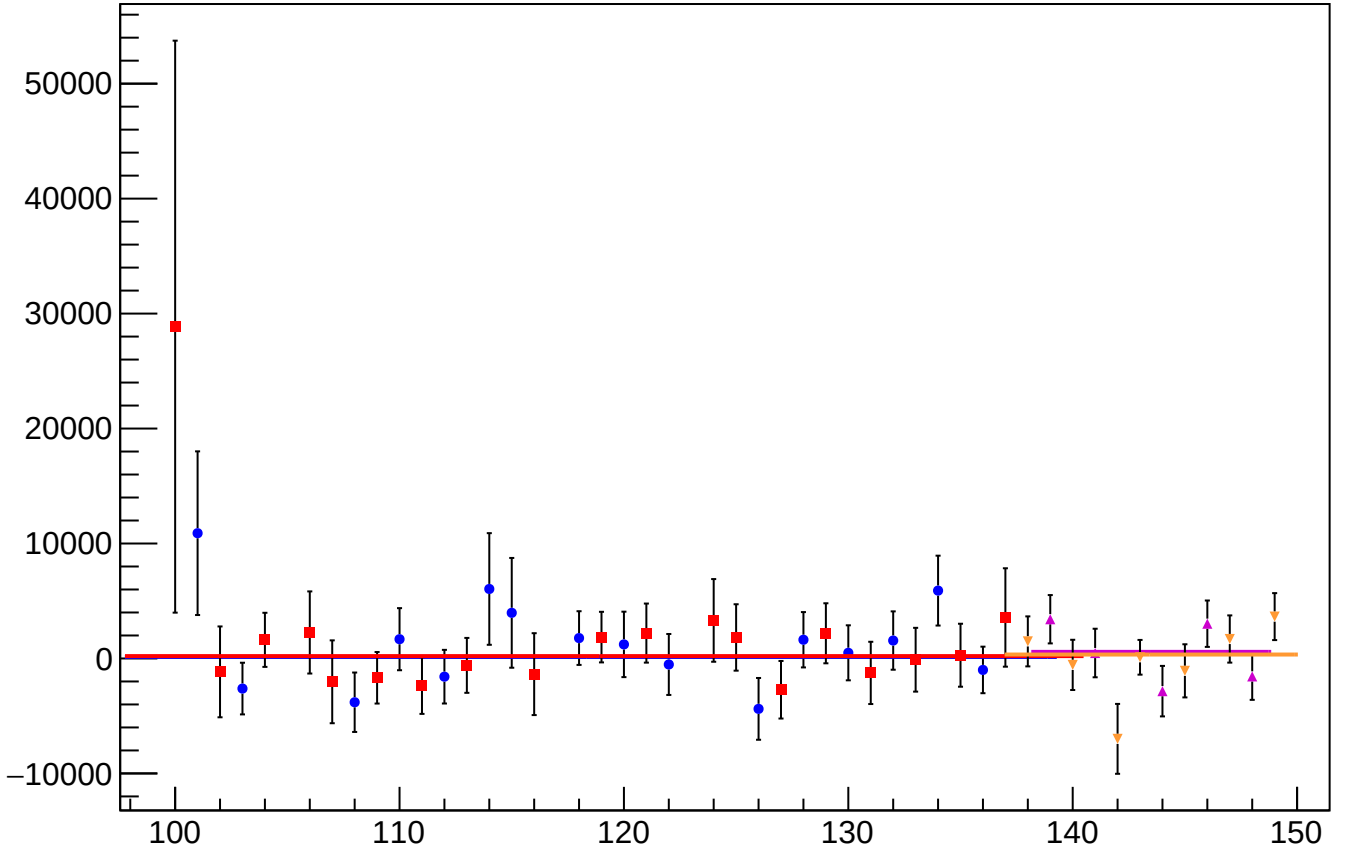
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3157.627+/-0.671 χ^2/NDF:964229.3/20

Out: 601.073+/-0.213 χ^2/NDF:17198602.9/25

All: 834.555+/-0.203 χ^2/NDF: 31341526.4/46

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 342.456+/-782.798 χ^2/NDF:9.7/6

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 574.580+/-934.976 χ^2/NDF:6.8/4

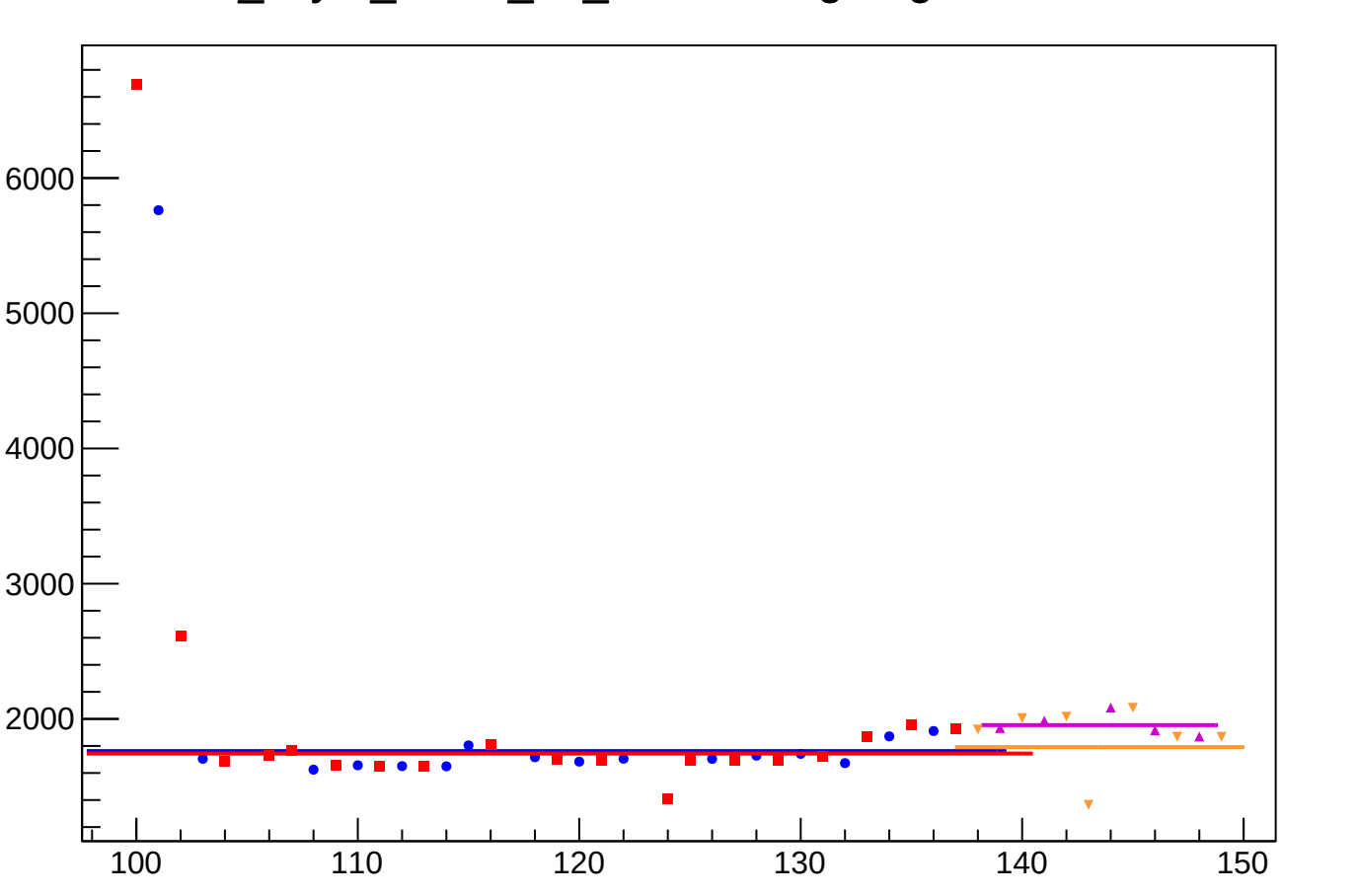
Left: 438.114+/-600.208 χ^2/NDF: 16.6/11

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 283.852+/-545.475 χ^2/NDF:24.2/20

Out: 261.799+/-502.091 χ^2/NDF:19.4/25

All: 271.914+/-369.419 χ^2/NDF: 43.7/46



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1791.430+/-0.554 χ^2/NDF:234543.4/6

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1954.053+/-0.661 χ^2/NDF:11774.0/4

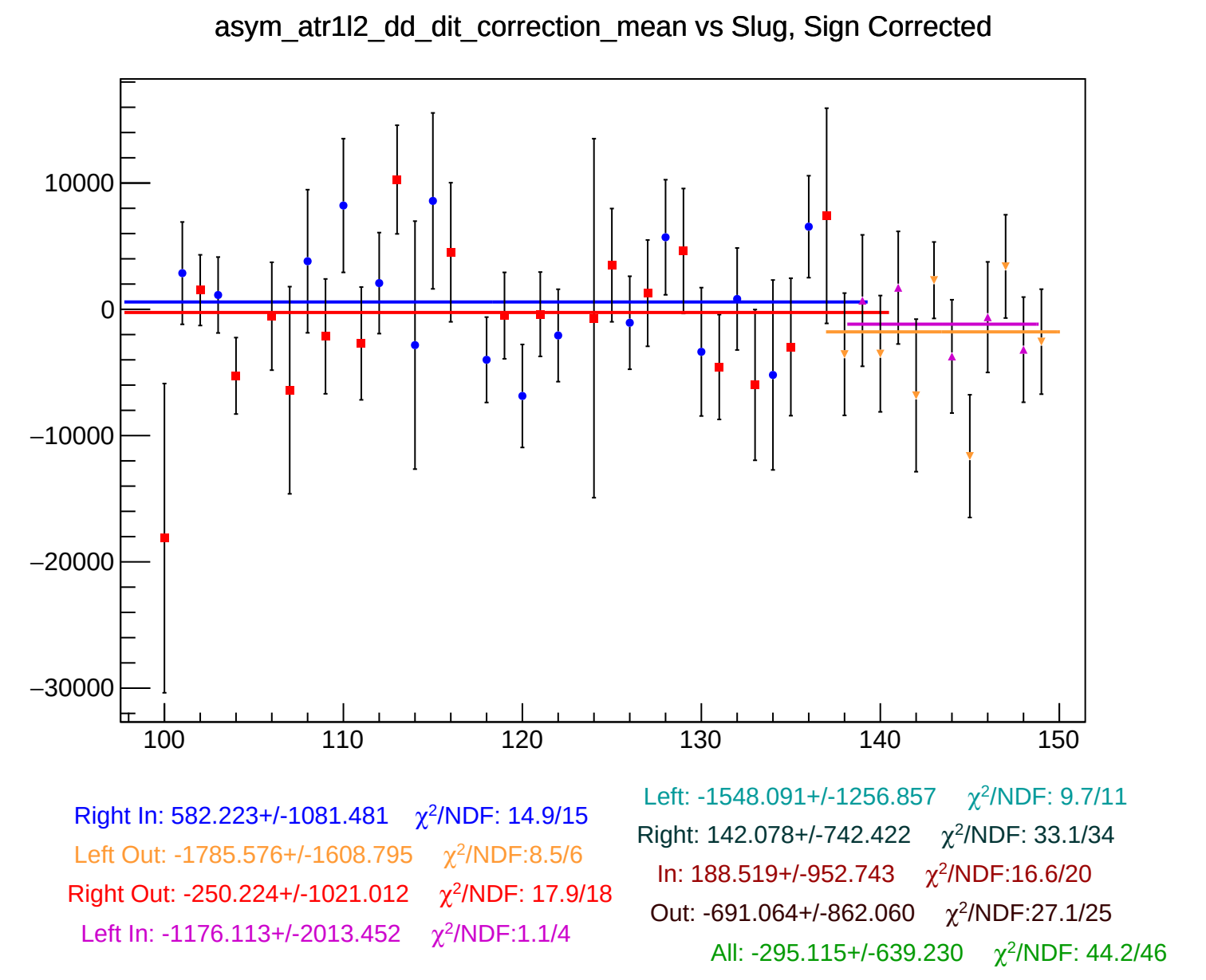
Left: 1858.447+/-0.424 χ^2/NDF: 281888.7/11

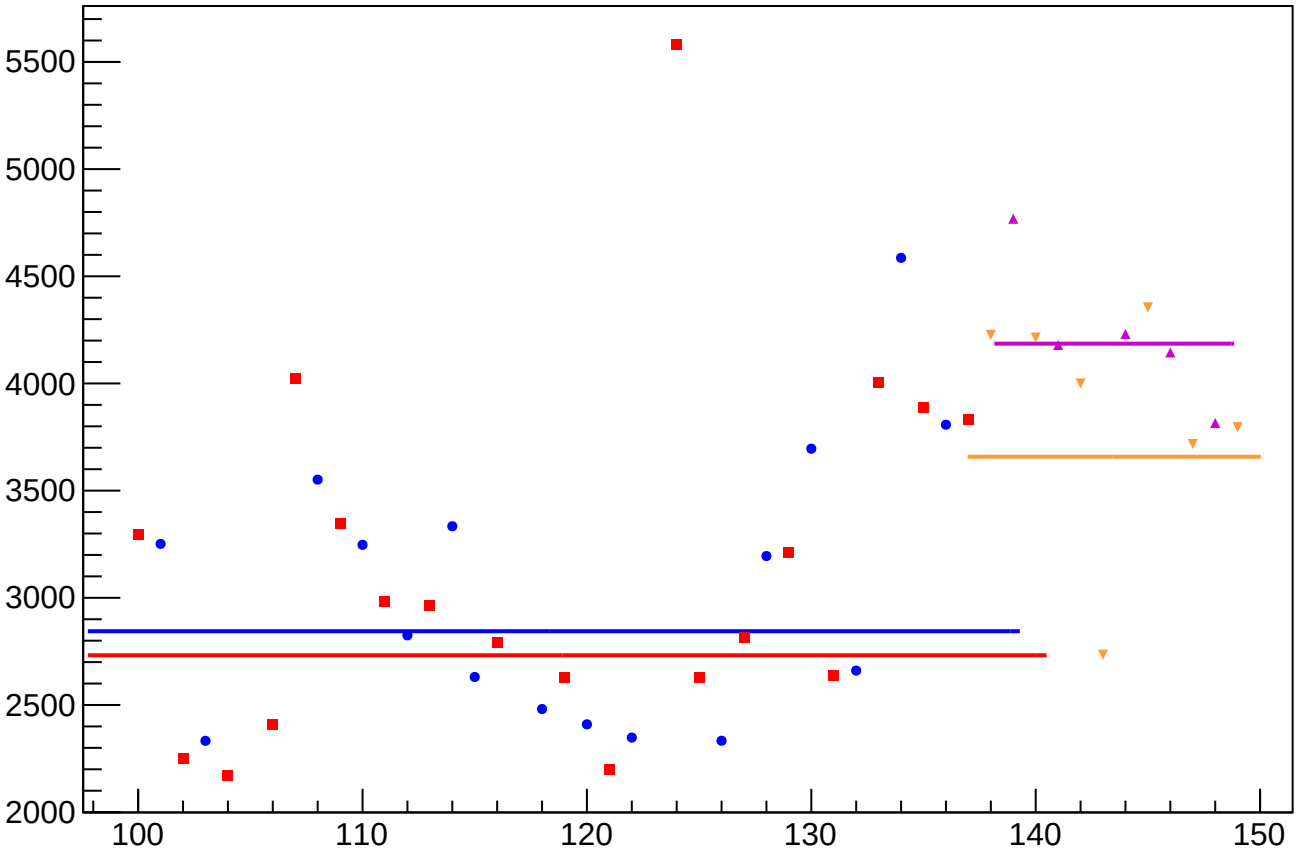
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1827.403+/-0.386 χ^2/NDF:735104.6/20

Out: 1763.283+/-0.354 χ^2/NDF:466688.1/25

All: 1792.638+/-0.261 χ^2/NDF: 1216776.3/46


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: -1785.576+/-1608.795 χ²/NDF:8.5/6
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -1176.113+/-2013.452 χ²/NDF:1.1/4
Left: -1548.091+/-1256.857 χ²/NDF: 9.7/11
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 188.519+/-952.743 χ²/NDF:16.6/20
Out: -691.064+/-862.060 χ²/NDF:27.1/25
All: -295.115+/-639.230 χ²/NDF: 44.2/46



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3658.248+/-1.138 χ^2/NDF:293033.5/6

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: 3863.761+/-0.889 χ^2/NDF: 418048.3/11

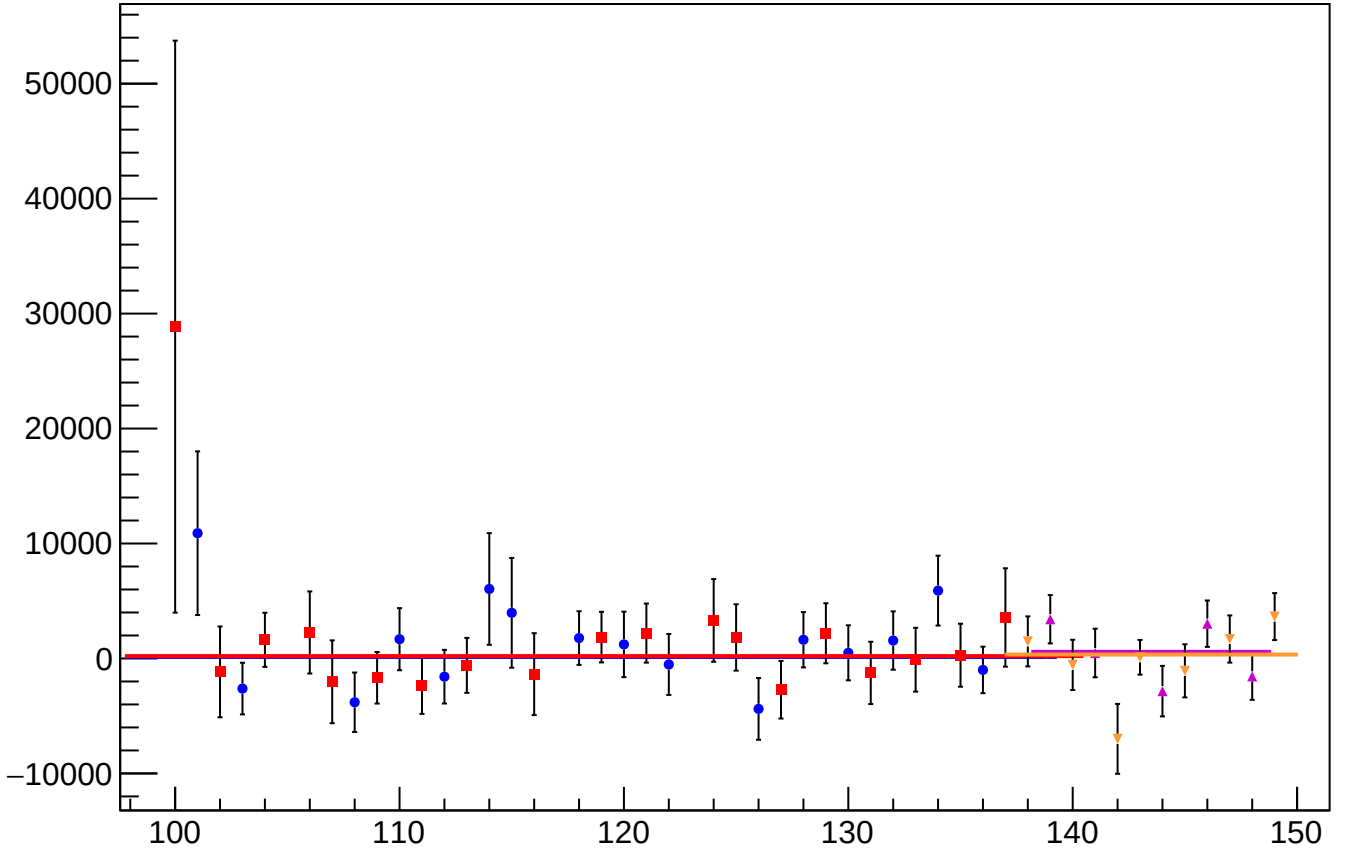
Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3144.526+/-0.674 χ^2/NDF:1272335.1/20

Out: 2997.934+/-0.610 χ^2/NDF:1376933.9/25

All: 3063.923+/-0.452 χ^2/NDF: 2675302.8/46

eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 342.448+/-782.799 χ^2/NDF:9.7/6

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 574.576+/-934.977 χ^2/NDF:6.8/4

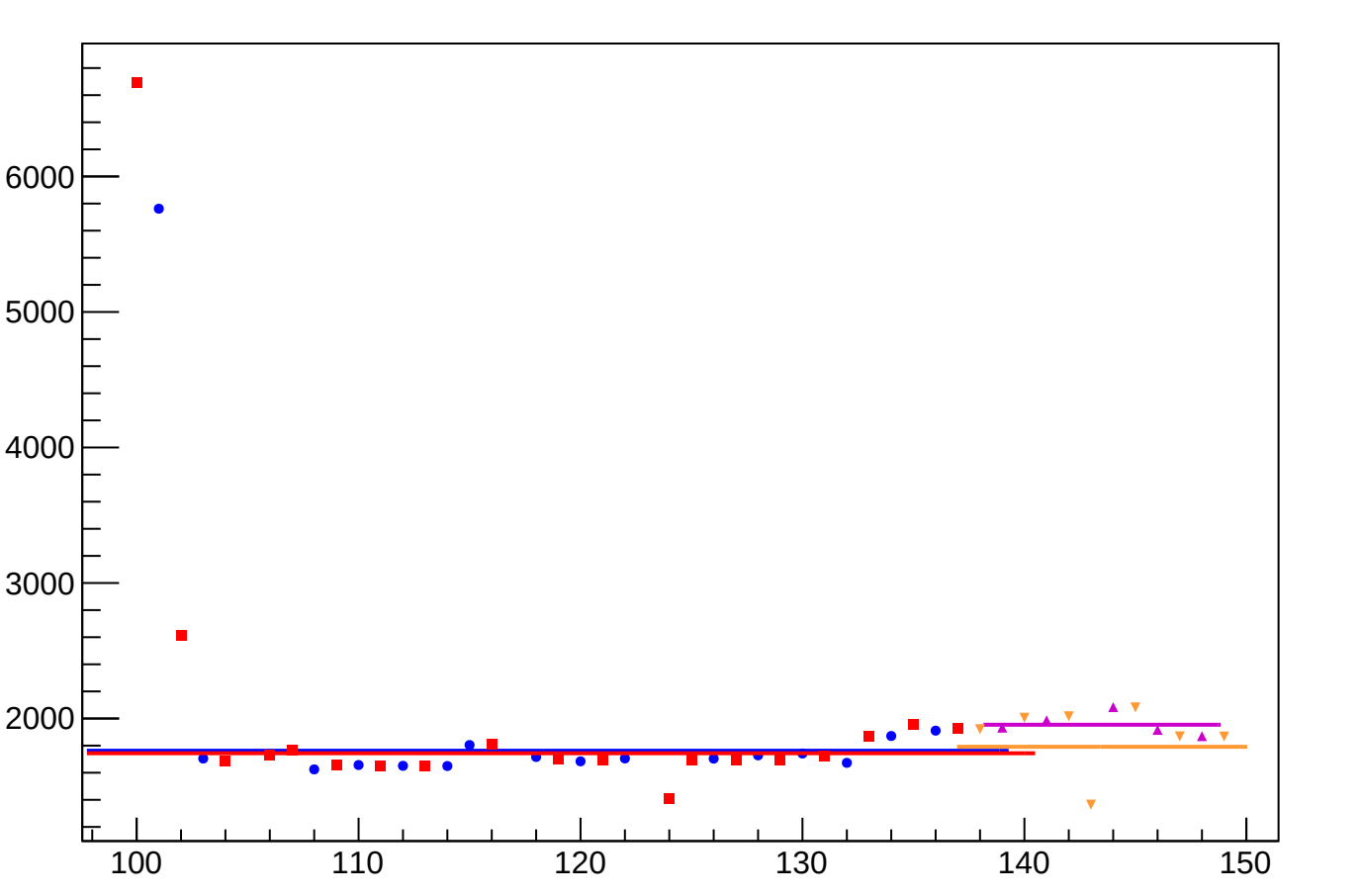
Left: 438.108+/-600.208 χ^2/NDF: 16.6/11

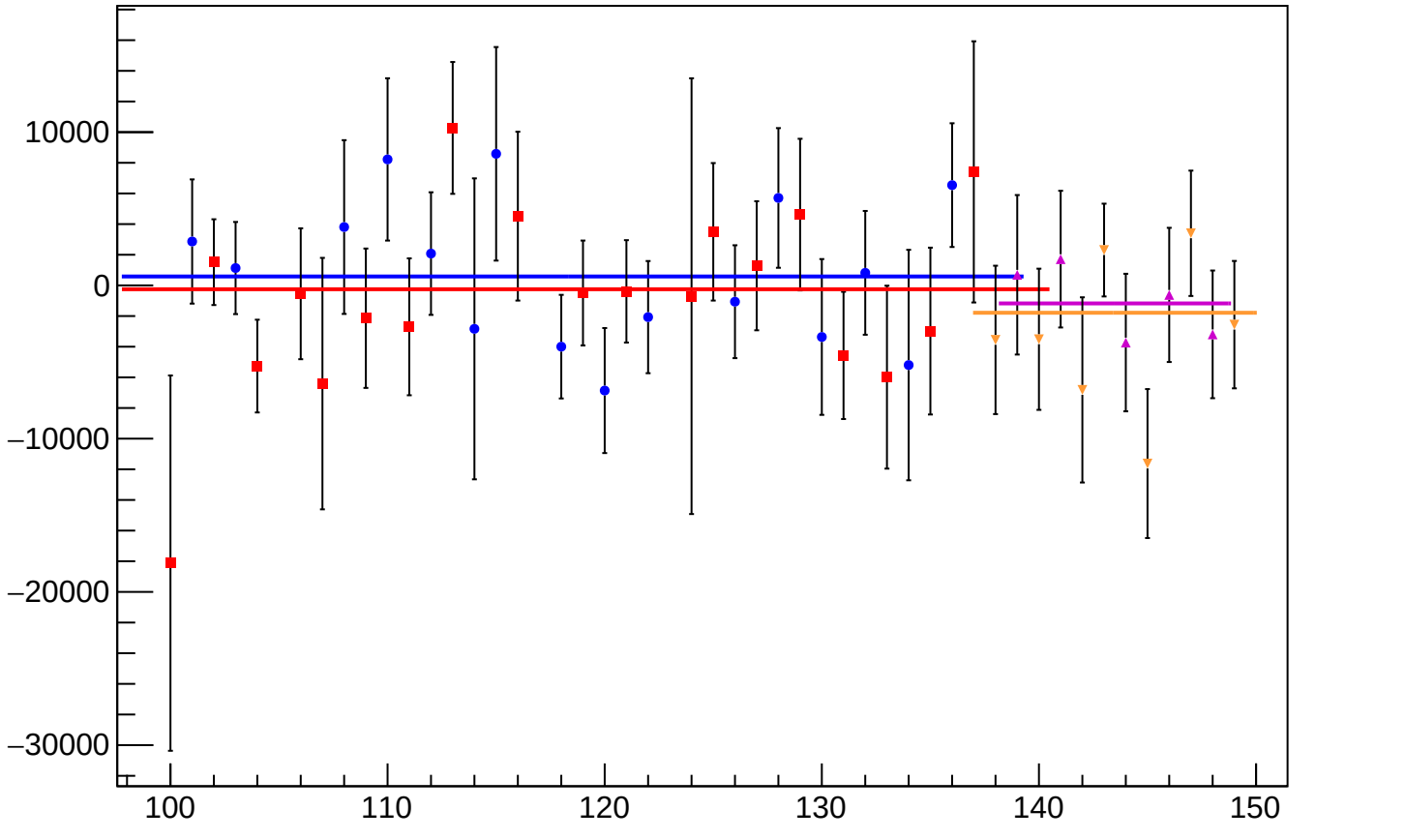
Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 283.850+/-545.475 χ^2/NDF:24.2/20

Out: 261.795+/-502.091 χ^2/NDF:19.4/25

All: 271.911+/-369.419 χ^2/NDF: 43.7/46


eigen_dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1762.052+/-0.475 χ²/NDF: 667696.6/15
Left Out: 1791.430+/-0.554 χ²/NDF:234544.3/6
Right Out: 1743.723+/-0.461 χ²/NDF: 227762.1/18
Left In: 1954.054+/-0.661 χ²/NDF:11774.2/4
Left: 1858.448+/-0.424 χ²/NDF: 281889.9/11
Right: 1752.624+/-0.331 χ²/NDF: 896224.9/34
In: 1827.403+/-0.386 χ²/NDF:735105.2/20
Out: 1763.283+/-0.354 χ²/NDF:466689.1/25
All: 1792.638+/-0.261 χ²/NDF: 1216777.9/46



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1785.575+/-1608.797 χ^2/NDF:8.5/6

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1176.115+/-2013.456 χ^2/NDF:1.1/4

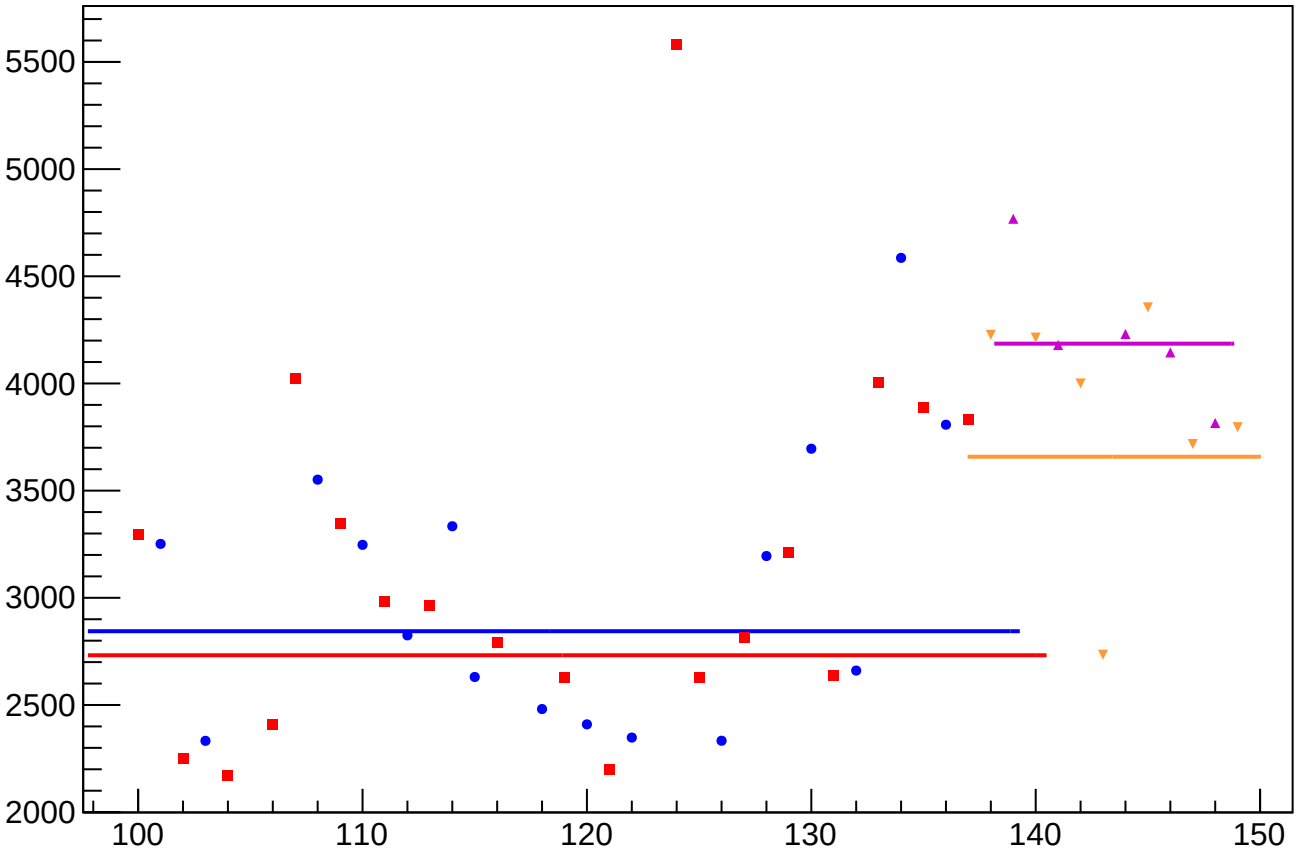
Left: -1548.092+/-1256.858 χ^2/NDF: 9.7/11

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 188.517+/-952.741 χ^2/NDF:16.6/20

Out: -691.062+/-862.059 χ^2/NDF:27.1/25

All: -295.114+/-639.229 χ^2/NDF: 44.2/46



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3658.252+/-1.138 χ^2/NDF:293037.2/6

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: 3863.766+/-0.889 χ^2/NDF: 418054.2/11

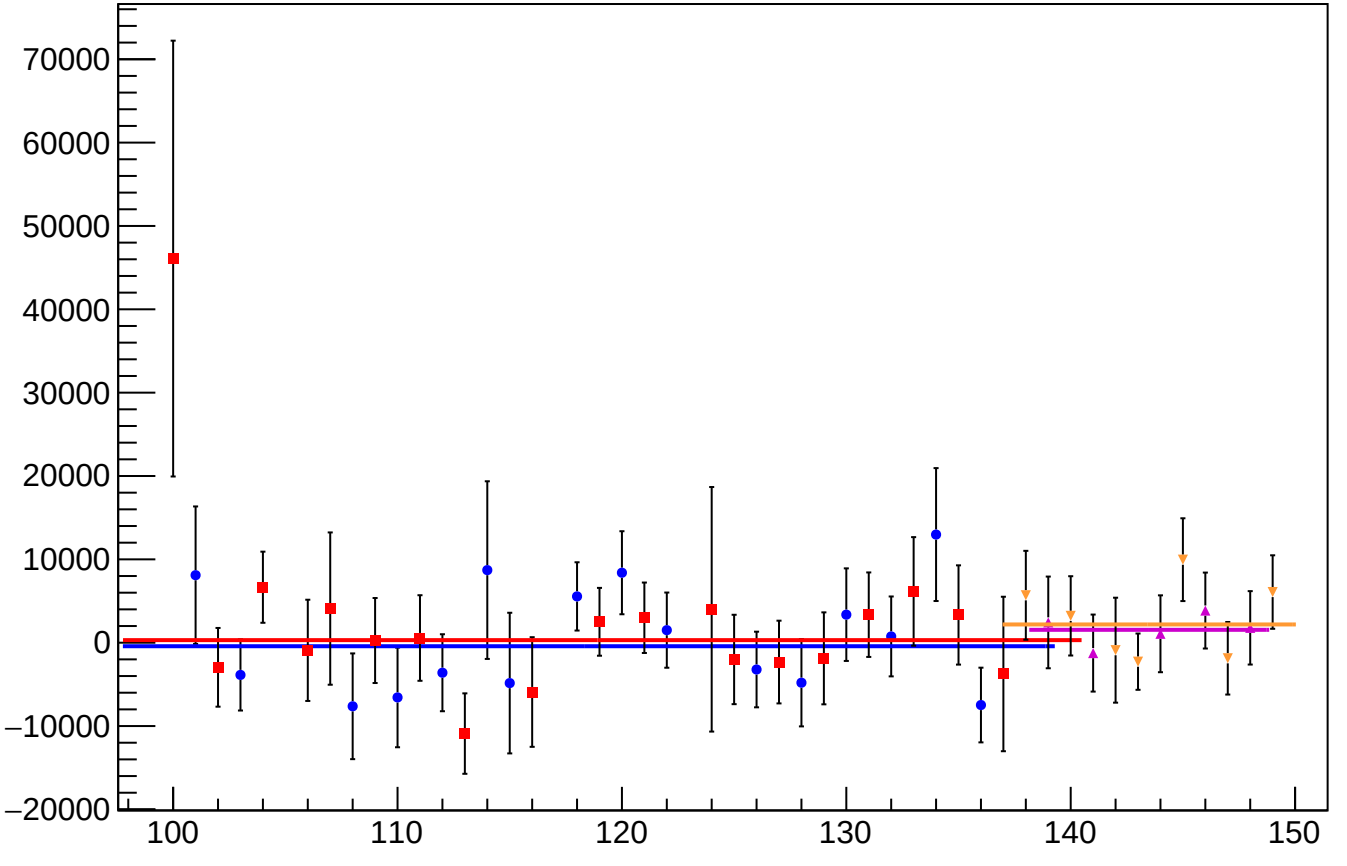
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3144.520+/-0.674 χ^2/NDF:1272353.8/20

Out: 2997.930+/-0.610 χ^2/NDF:1376944.3/25

All: 3063.918+/-0.452 χ^2/NDF: 2675331.1/46

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 2188.999+/-1722.278 χ^2/NDF:6.6/6

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: 1930.152+/-1331.807 χ^2/NDF: 7.3/11

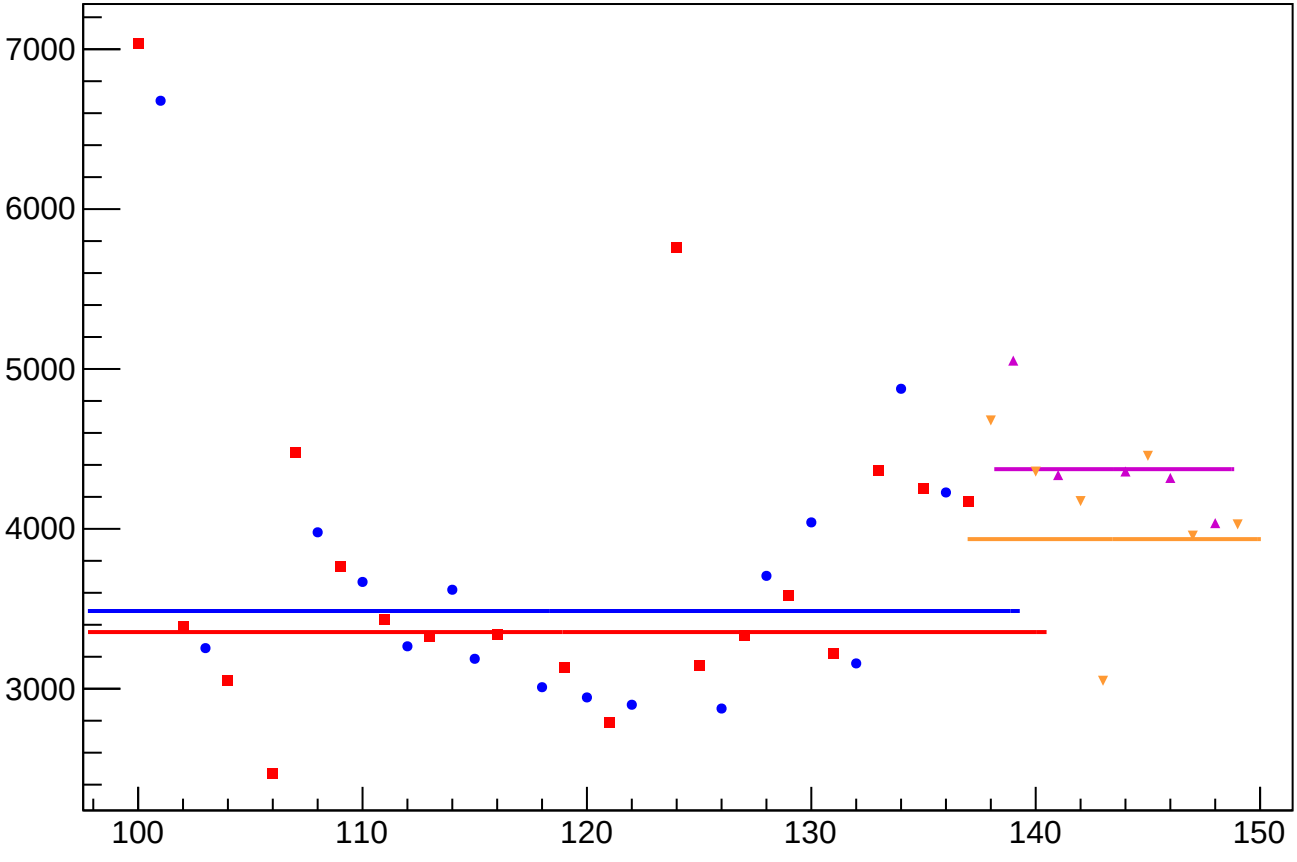
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 138.525+/-1122.021 χ^2/NDF:19.2/20

Out: 974.286+/-1025.125 χ^2/NDF:22.6/25

All: 594.045+/-756.814 χ^2/NDF: 42.1/46

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3935.850+/-1.218 χ^2/NDF:218088.4/6

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4373.369+/-1.485 χ^2/NDF:42658.2/4

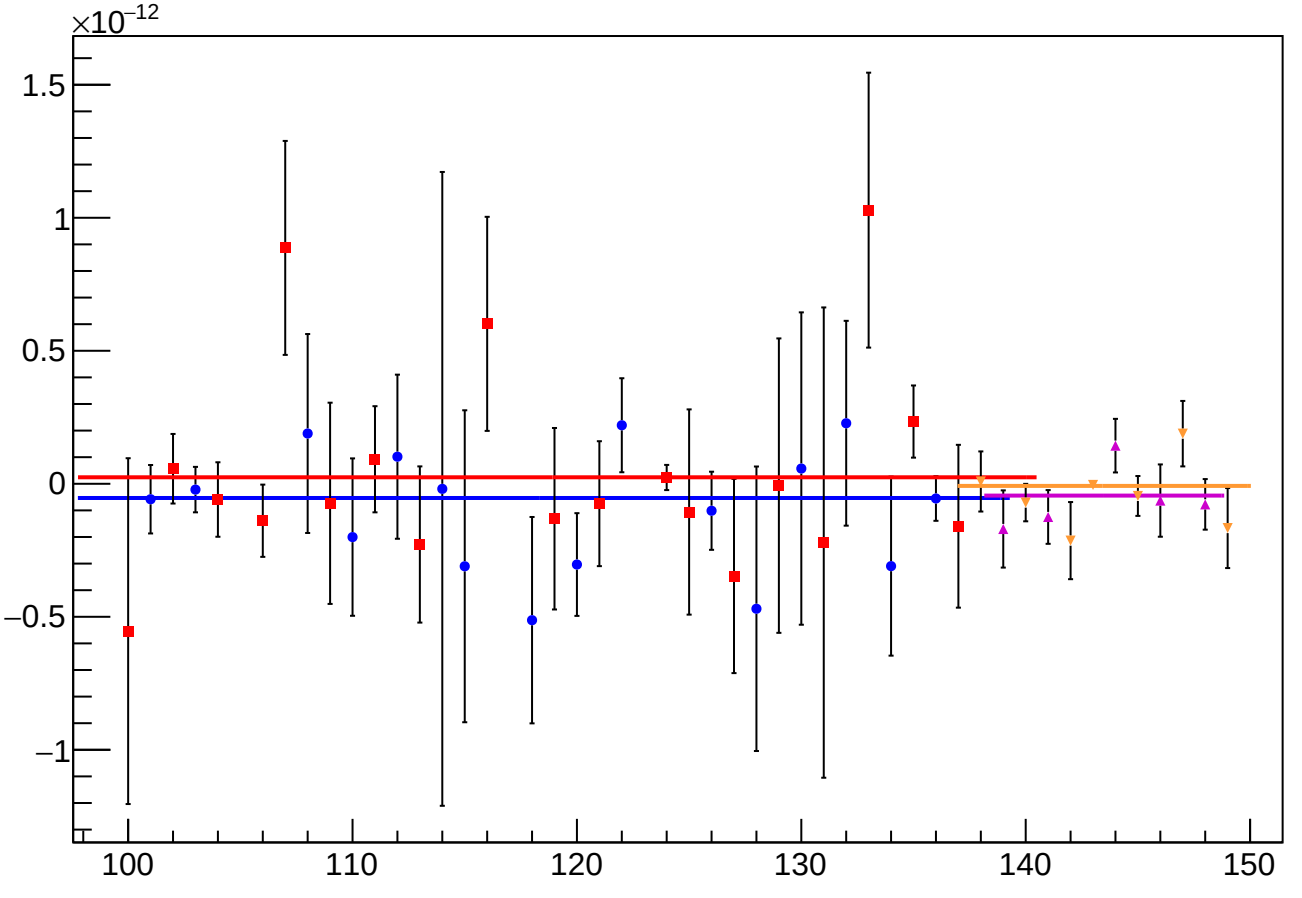
Left: 4111.748+/-0.942 χ^2/NDF: 312636.0/11

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3739.332+/-0.793 χ^2/NDF:893452.8/20

Out: 3556.694+/-0.718 χ^2/NDF:743154.5/25

All: 3638.963+/-0.532 χ^2/NDF: 1665729.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

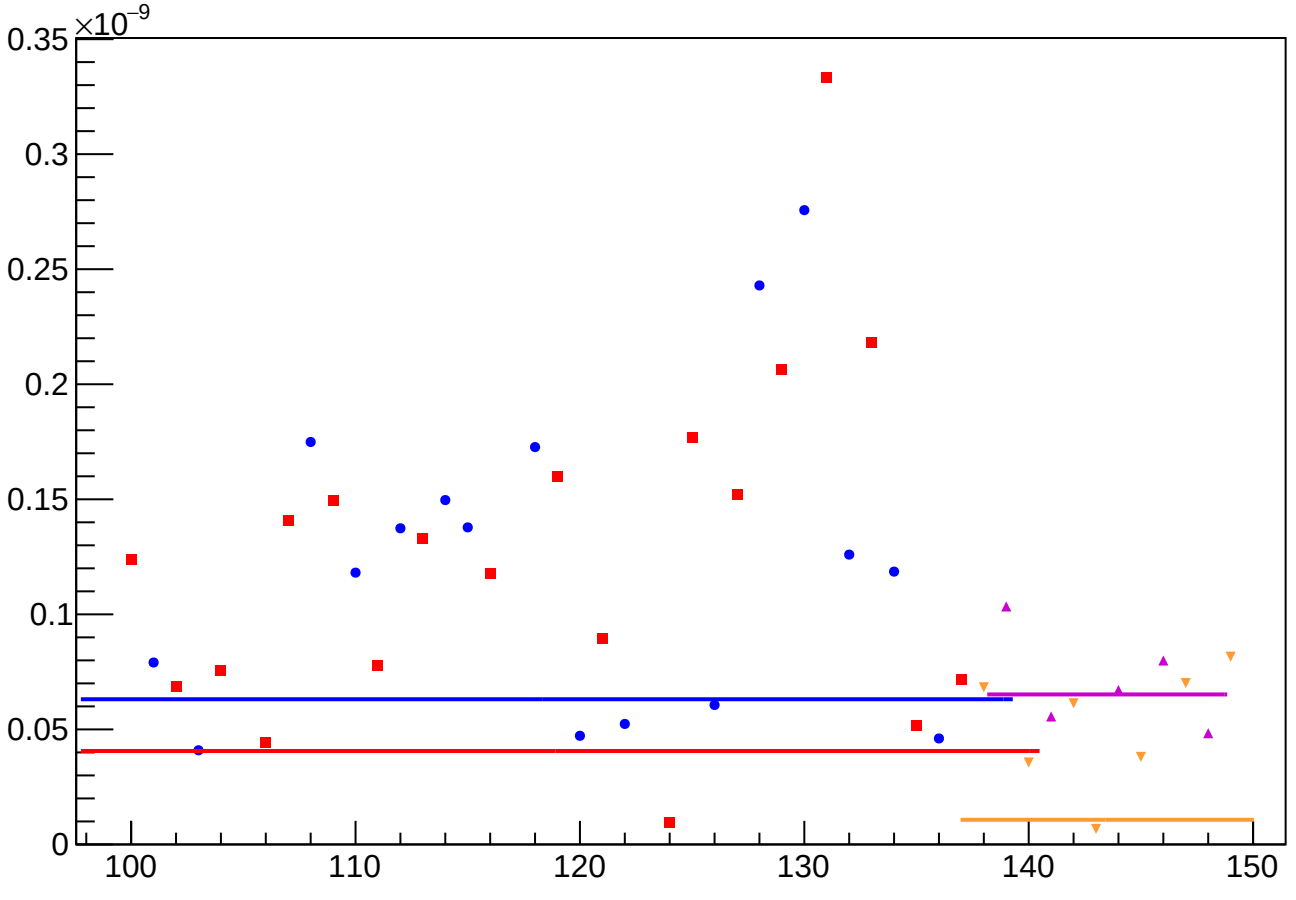
Left: -0.000+/-0.000 χ^2/NDF: 12.3/11

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:25.9/25

All: -0.000+/-0.000 χ^2/NDF: 41.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2379115.5/6

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: 4908746.5/11

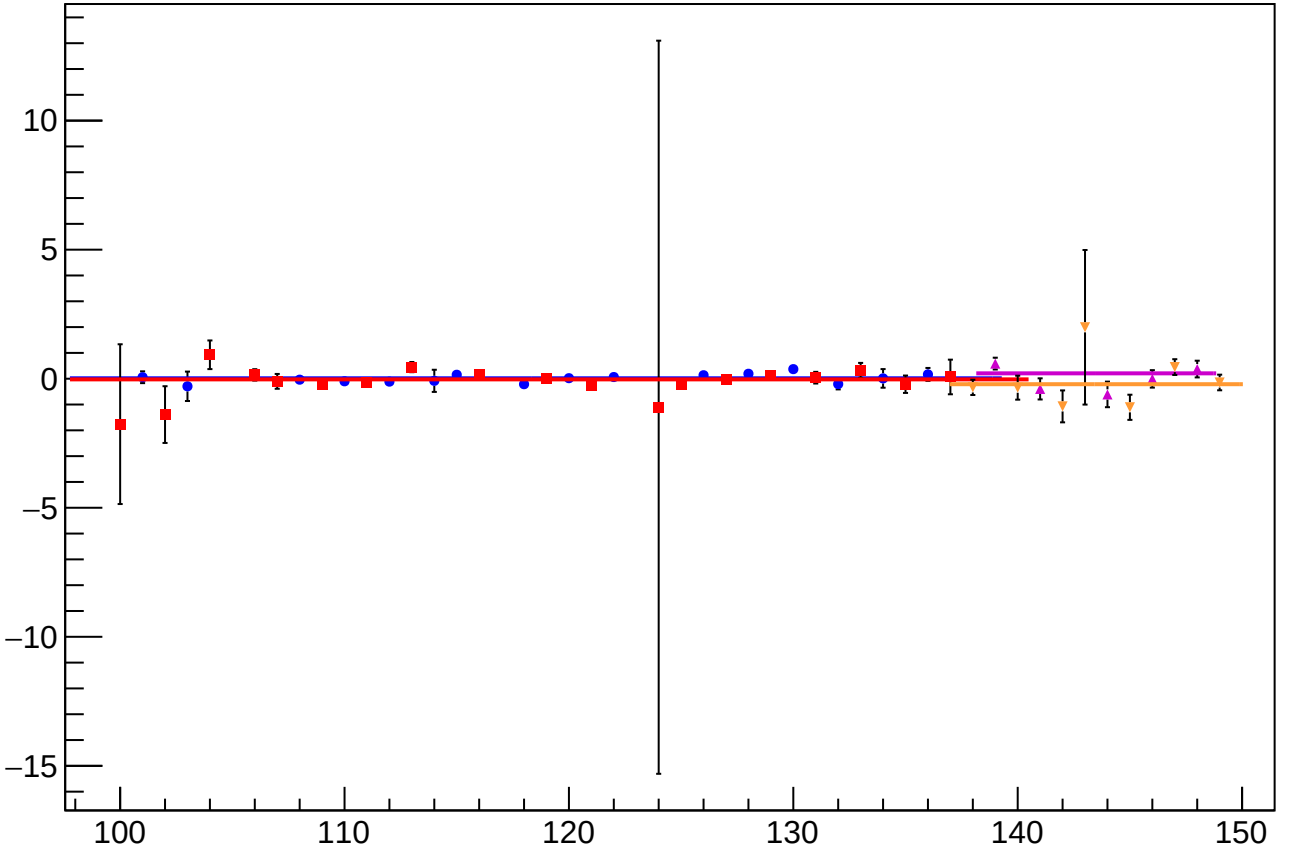
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1677950.2/20

Out: 0.000+/-0.000 χ^2/NDF:6803992.6/25

All: 0.000+/-0.000 χ^2/NDF: 12577082.2/46

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: -0.213+/-0.150 χ^2/NDF:10.8/6

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

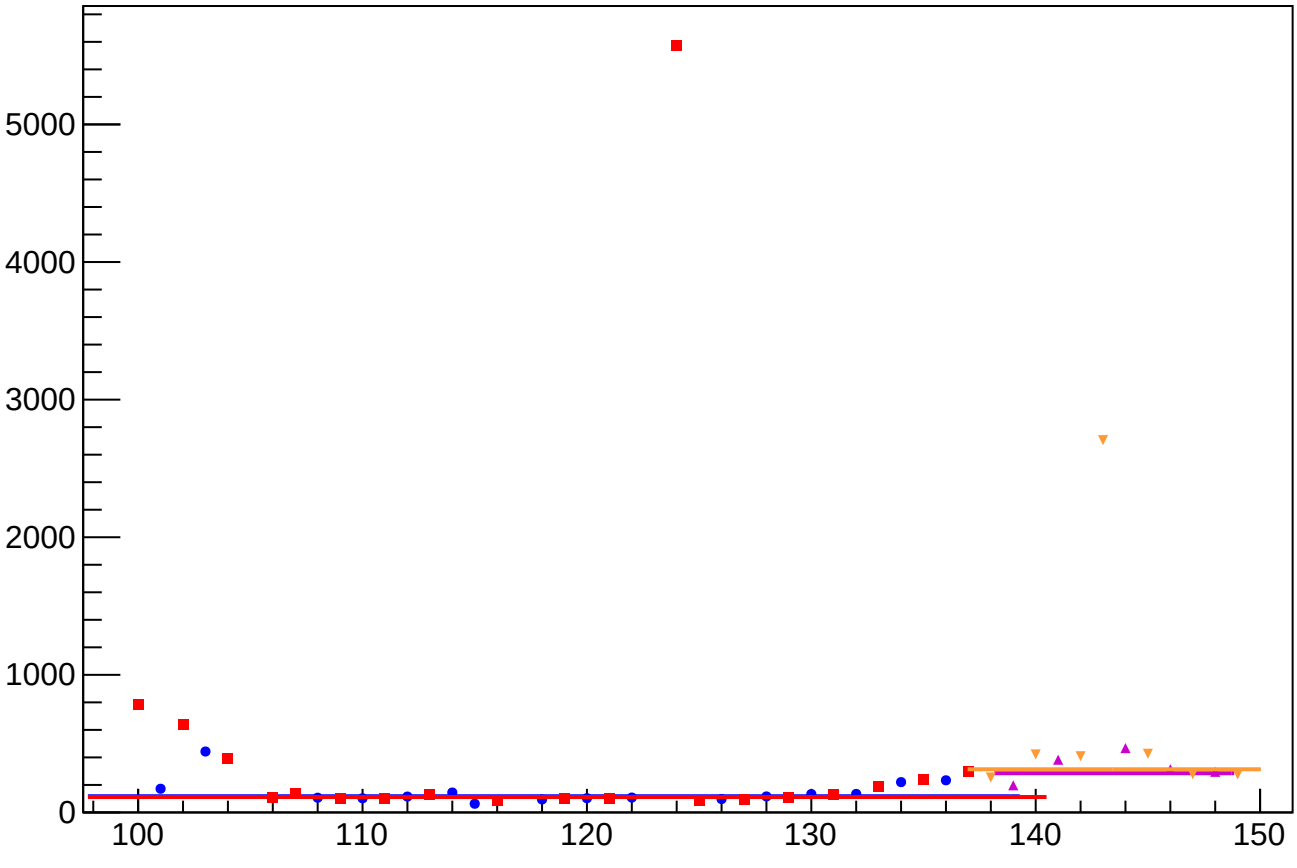
Left: 0.004+/-0.104 χ^2/NDF: 23.2/11

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.042+/-0.045 χ^2/NDF:34.4/25

All: -0.005+/-0.032 χ^2/NDF: 57.5/46



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 313.826+/-0.106 χ^2/NDF:1678462.7/6

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: 299.100+/-0.074 χ^2/NDF: 2414046.5/11

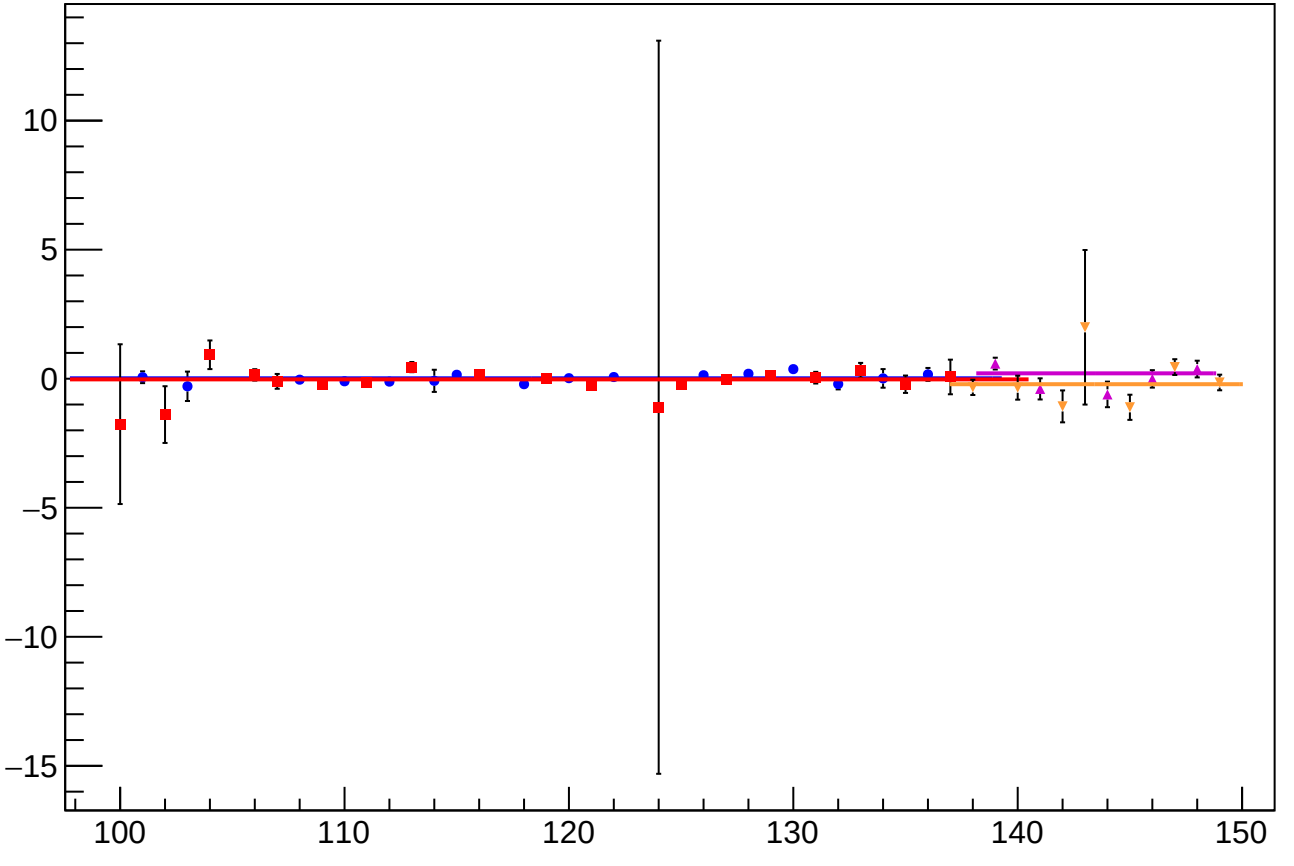
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 134.086+/-0.032 χ^2/NDF:4821920.5/20

Out: 130.130+/-0.032 χ^2/NDF:7175268.7/25

All: 132.074+/-0.023 χ^2/NDF: 12004882.6/46

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.213+/-0.150 χ^2/NDF:10.8/6

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

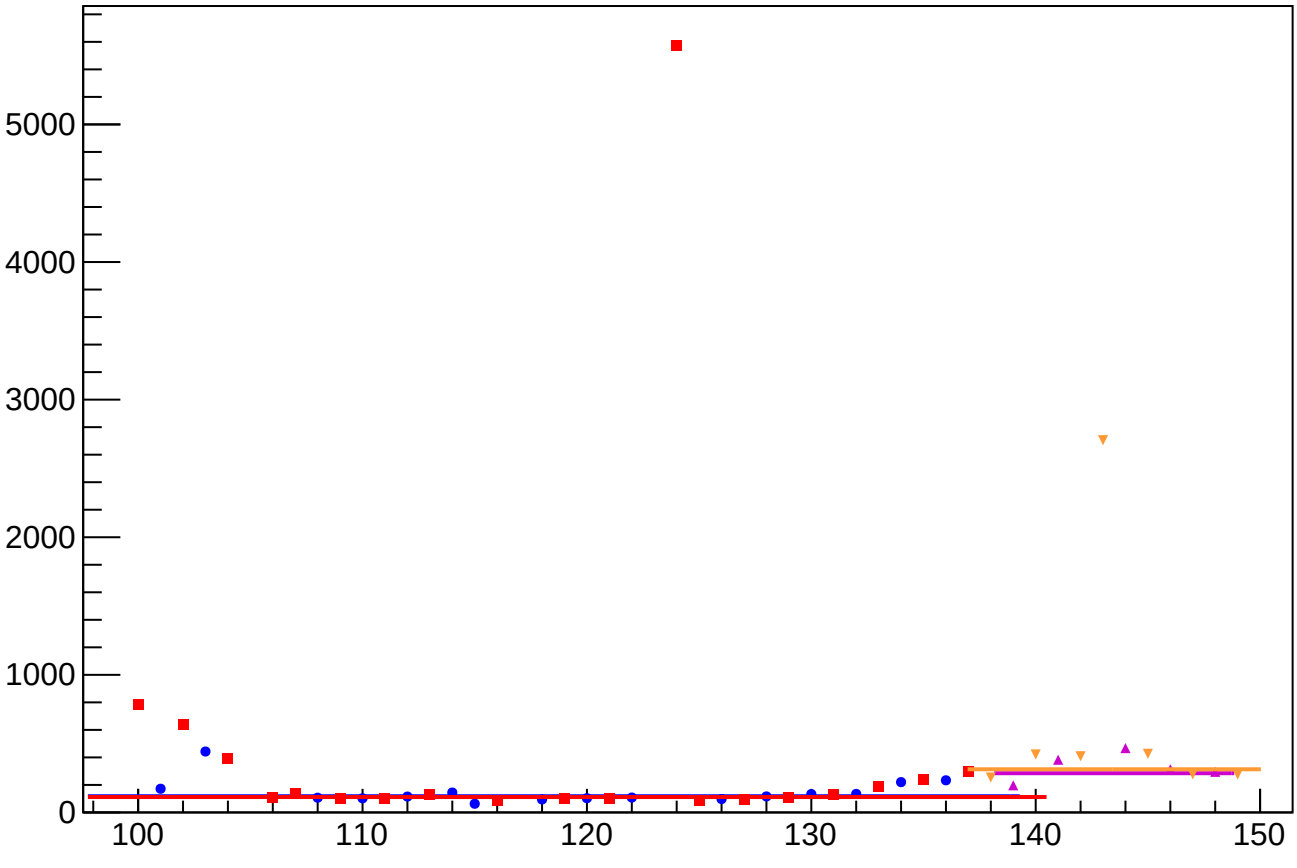
Left: 0.004+/-0.104 χ^2/NDF: 23.2/11

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.042+/-0.045 χ^2/NDF:34.4/25

All: -0.005+/-0.032 χ^2/NDF: 57.5/46



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 313.826+/-0.106 χ^2/NDF:1678462.7/6

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.223+/-0.103 χ^2/NDF:697949.1/4

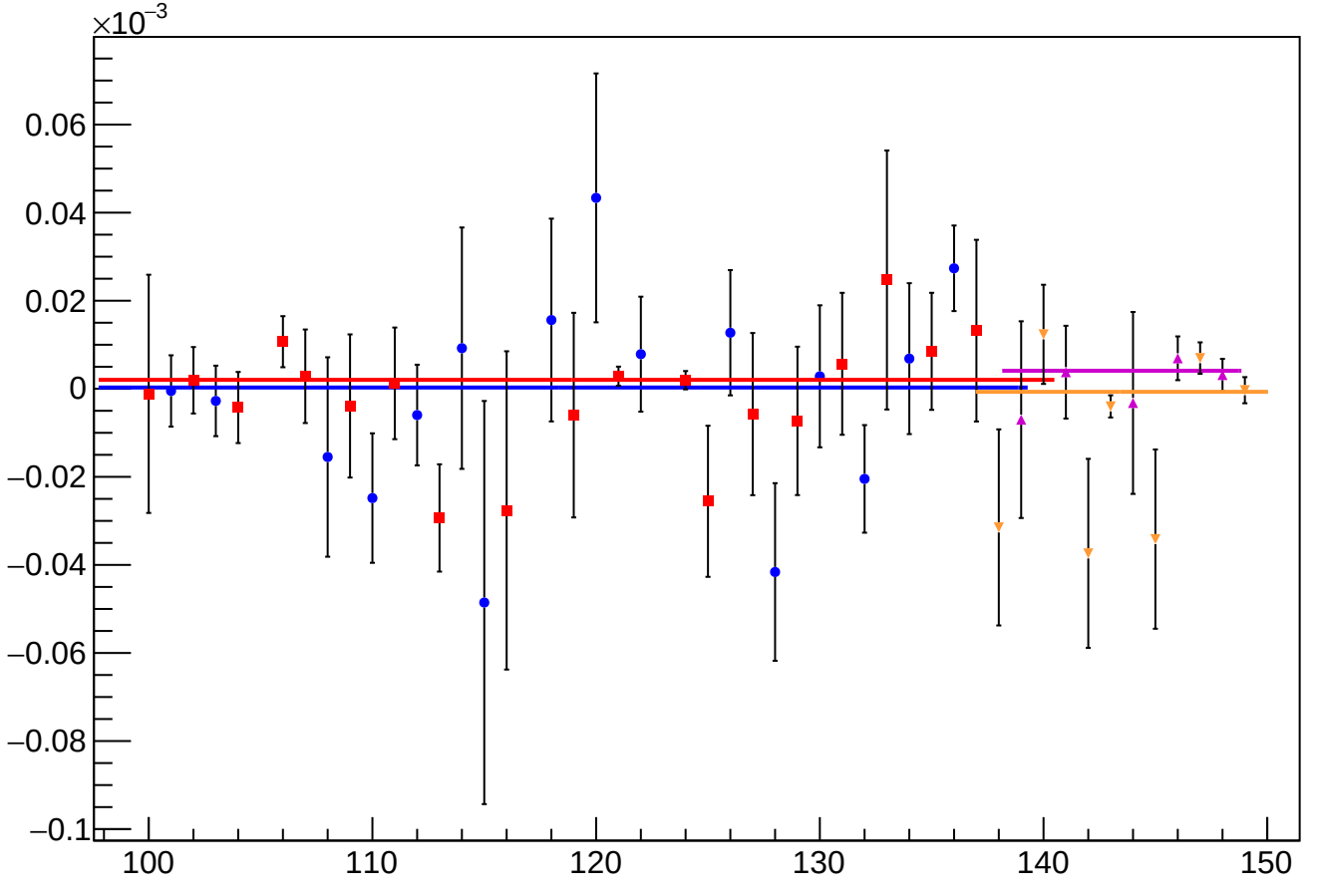
Left: 299.100+/-0.074 χ^2/NDF: 2414046.5/11

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 134.086+/-0.032 χ^2/NDF:4821920.5/20

Out: 130.130+/-0.032 χ^2/NDF:7175268.7/25

All: 132.074+/-0.023 χ^2/NDF: 12004882.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/4

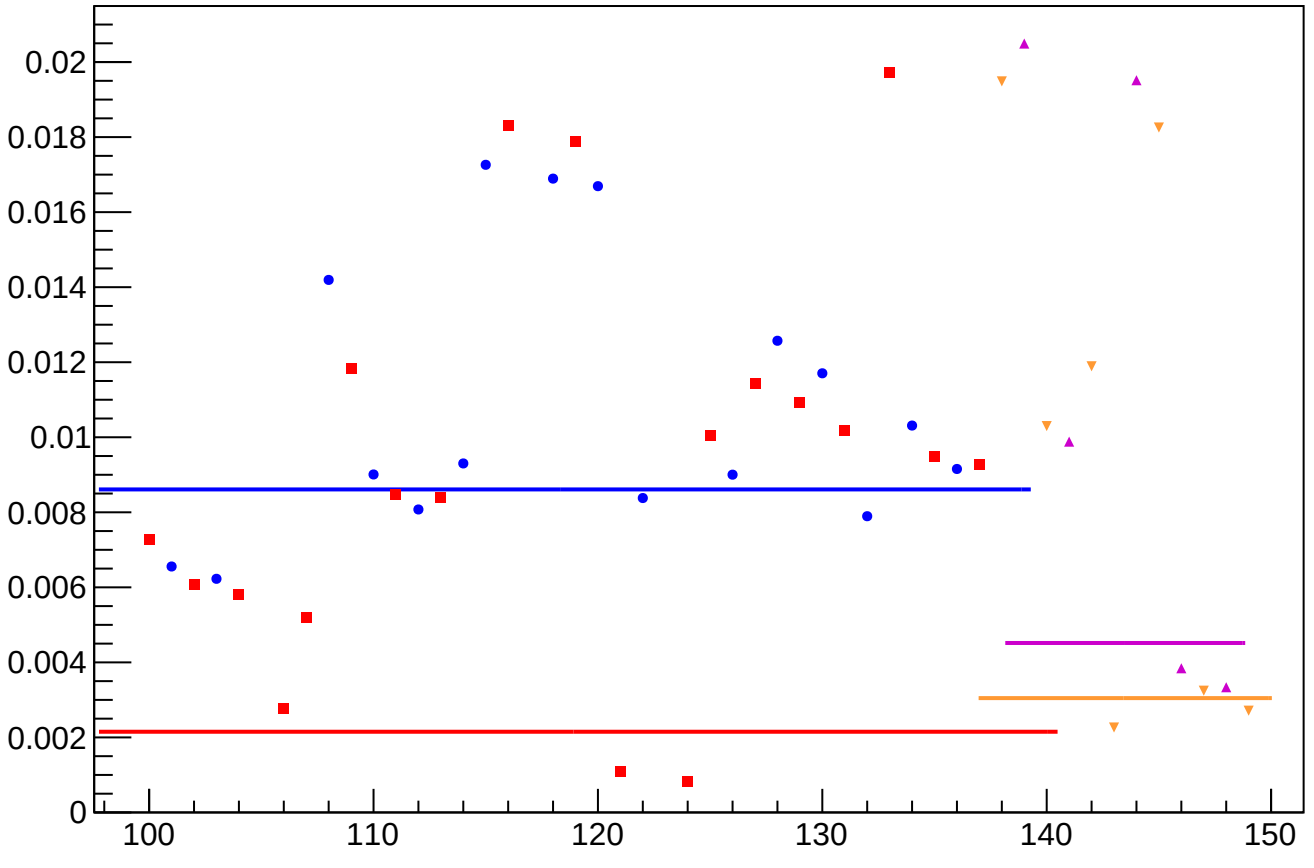
Left: 0.000+/-0.000 χ^2/NDF: 18.2/11

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:31.7/25

All: 0.000+/-0.000 χ^2/NDF: 57.7/46



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3600382.2/6

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: 0.003+/-0.000 χ^2/NDF: 6851446.2/11

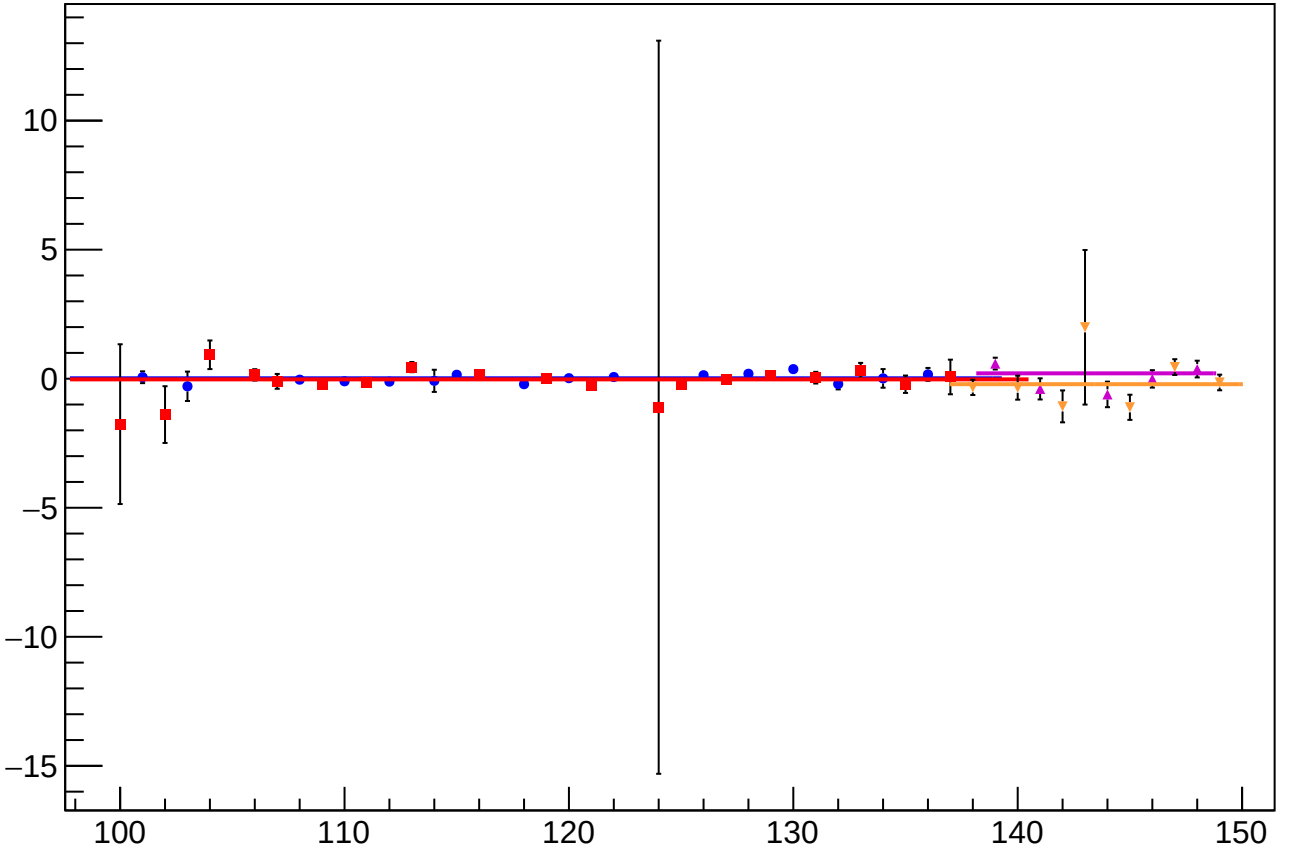
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.006+/-0.000 χ^2/NDF:5703363.7/20

Out: 0.003+/-0.000 χ^2/NDF:13041732.6/25

All: 0.003+/-0.000 χ^2/NDF: 23475677.0/46

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.213+/-0.150 χ^2/NDF:10.9/6

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.208+/-0.145 χ^2/NDF:8.3/4

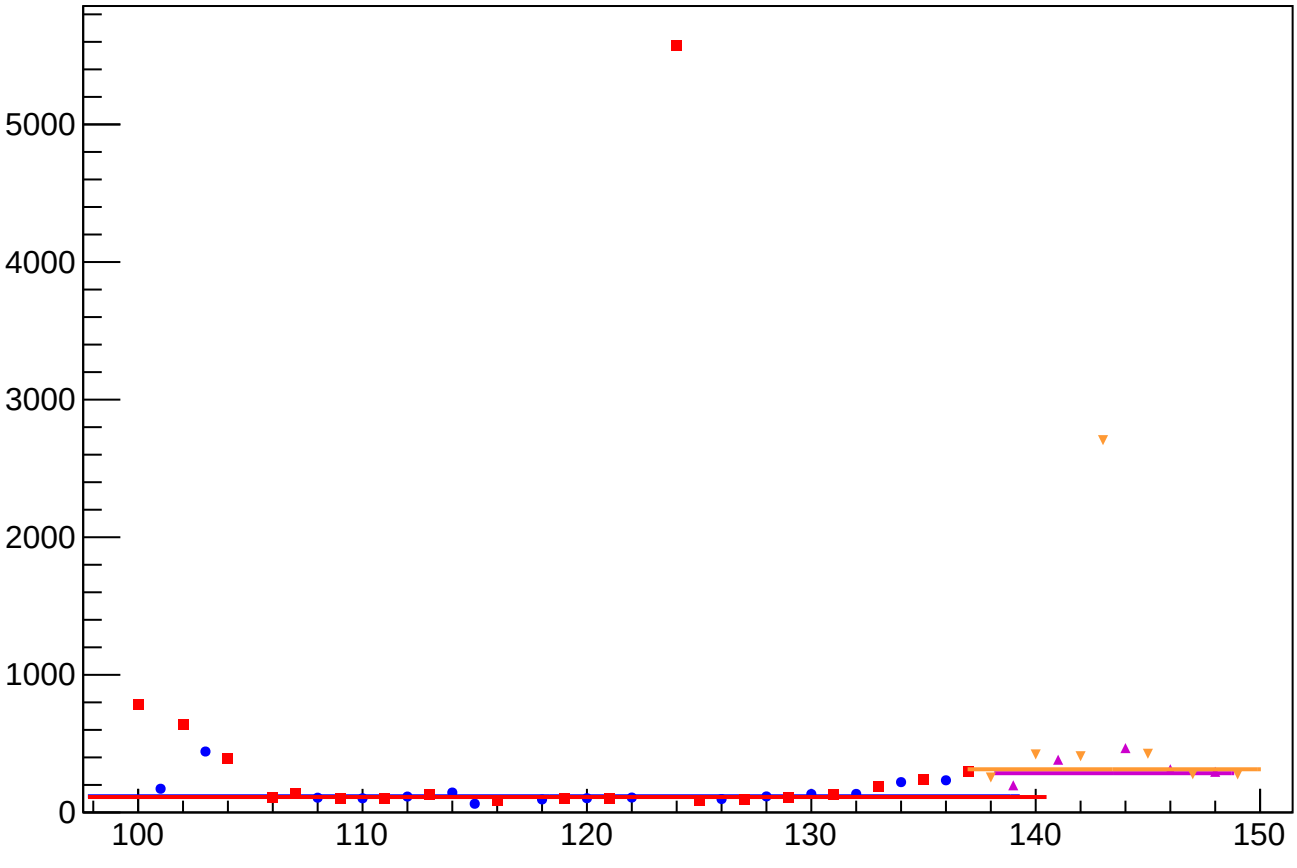
Left: 0.004+/-0.104 χ^2/NDF: 23.2/11

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.042+/-0.045 χ^2/NDF:34.4/25

All: -0.005+/-0.032 χ^2/NDF: 57.5/46



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 313.828+/-0.106 χ^2/NDF:1678484.5/6

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: 299.103+/-0.074 χ^2/NDF: 2414047.2/11

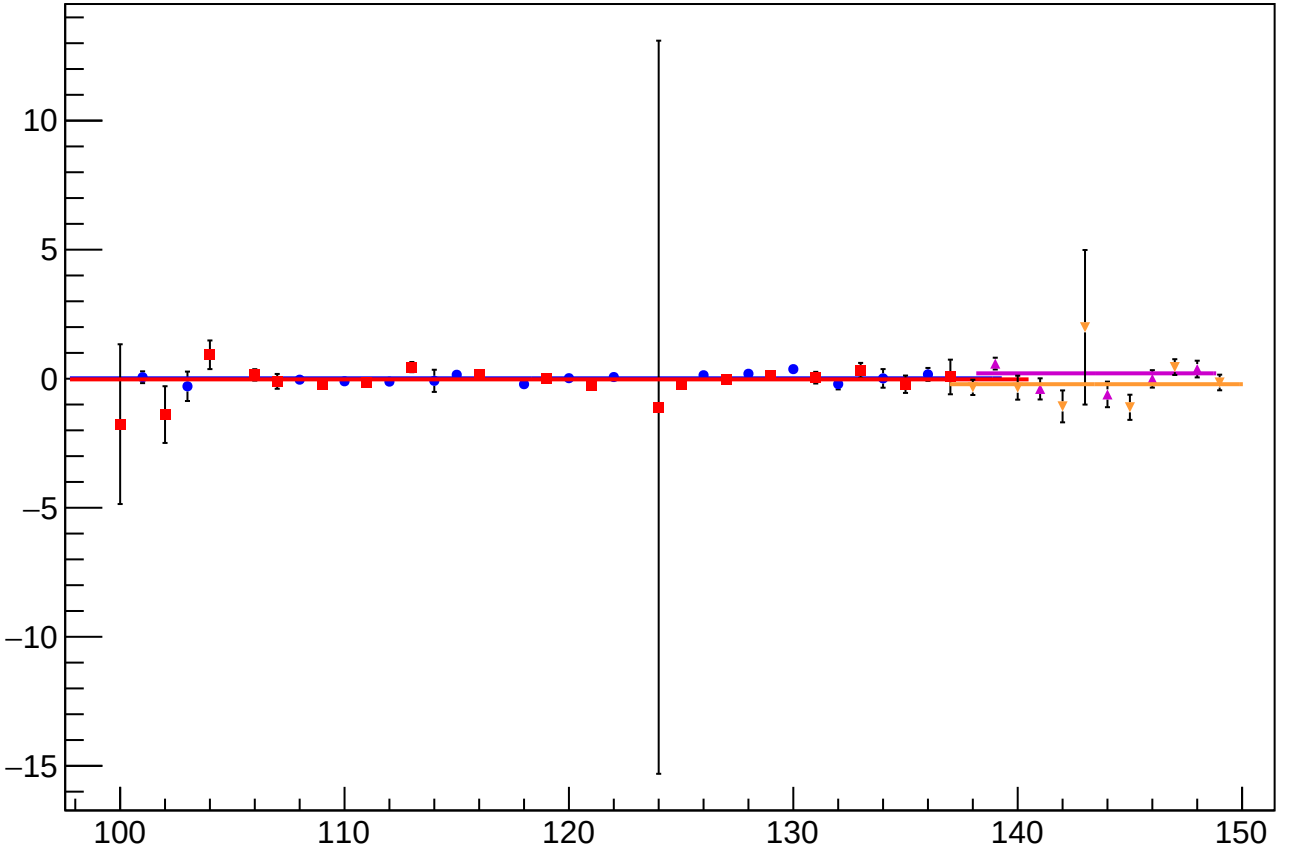
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 134.086+/-0.032 χ^2/NDF:4821924.4/20

Out: 130.132+/-0.032 χ^2/NDF:7175185.5/25

All: 132.075+/-0.023 χ^2/NDF: 12004796.4/46

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.213+/-0.150 χ^2/NDF:10.9/6

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: 0.004+/-0.104 χ^2/NDF: 23.2/11

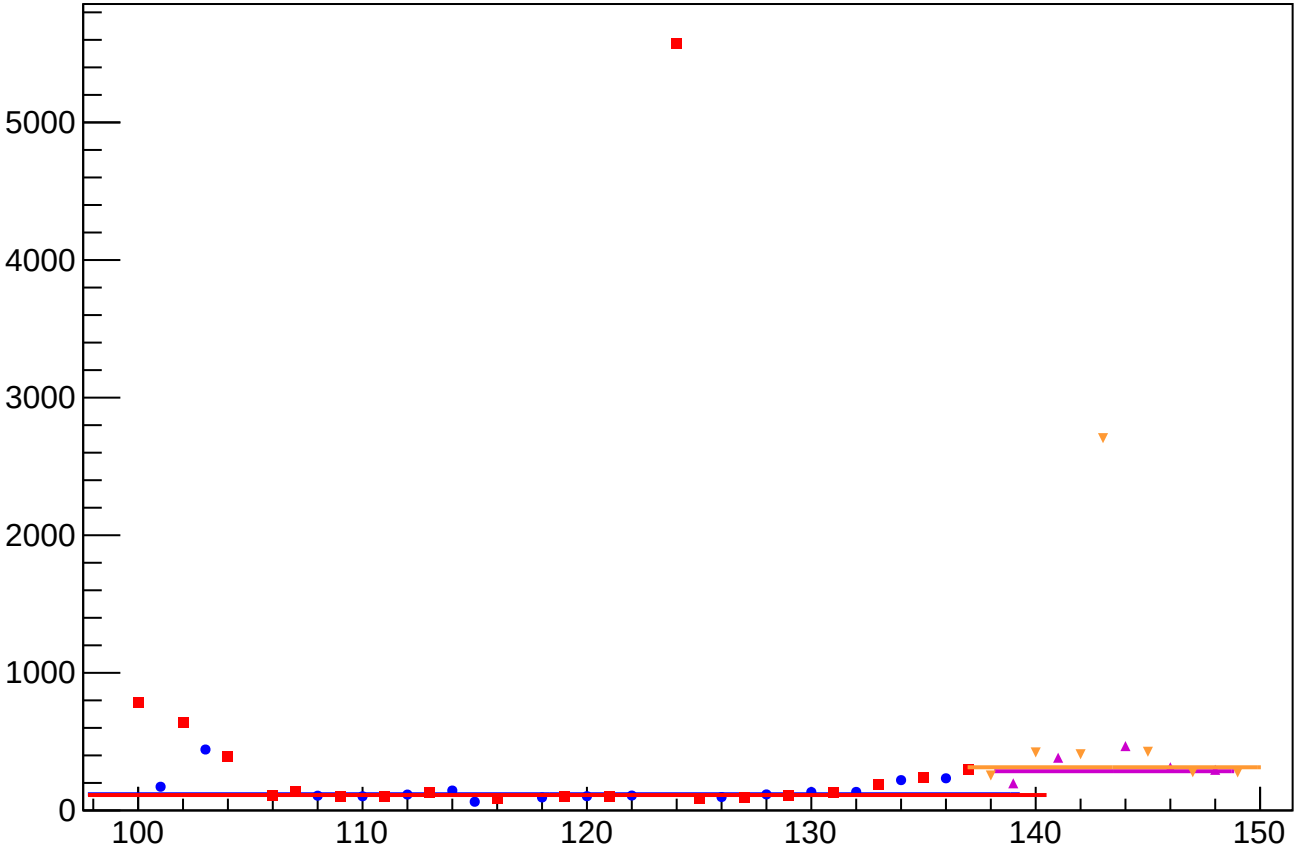
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.034+/-0.045 χ^2/NDF:21.7/20

Out: -0.042+/-0.045 χ^2/NDF:34.4/25

All: -0.005+/-0.032 χ^2/NDF: 57.5/46

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: 313.828+/-0.106 χ^2/NDF:1678484.5/6

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: 299.103+/-0.074 χ^2/NDF: 2414047.2/11

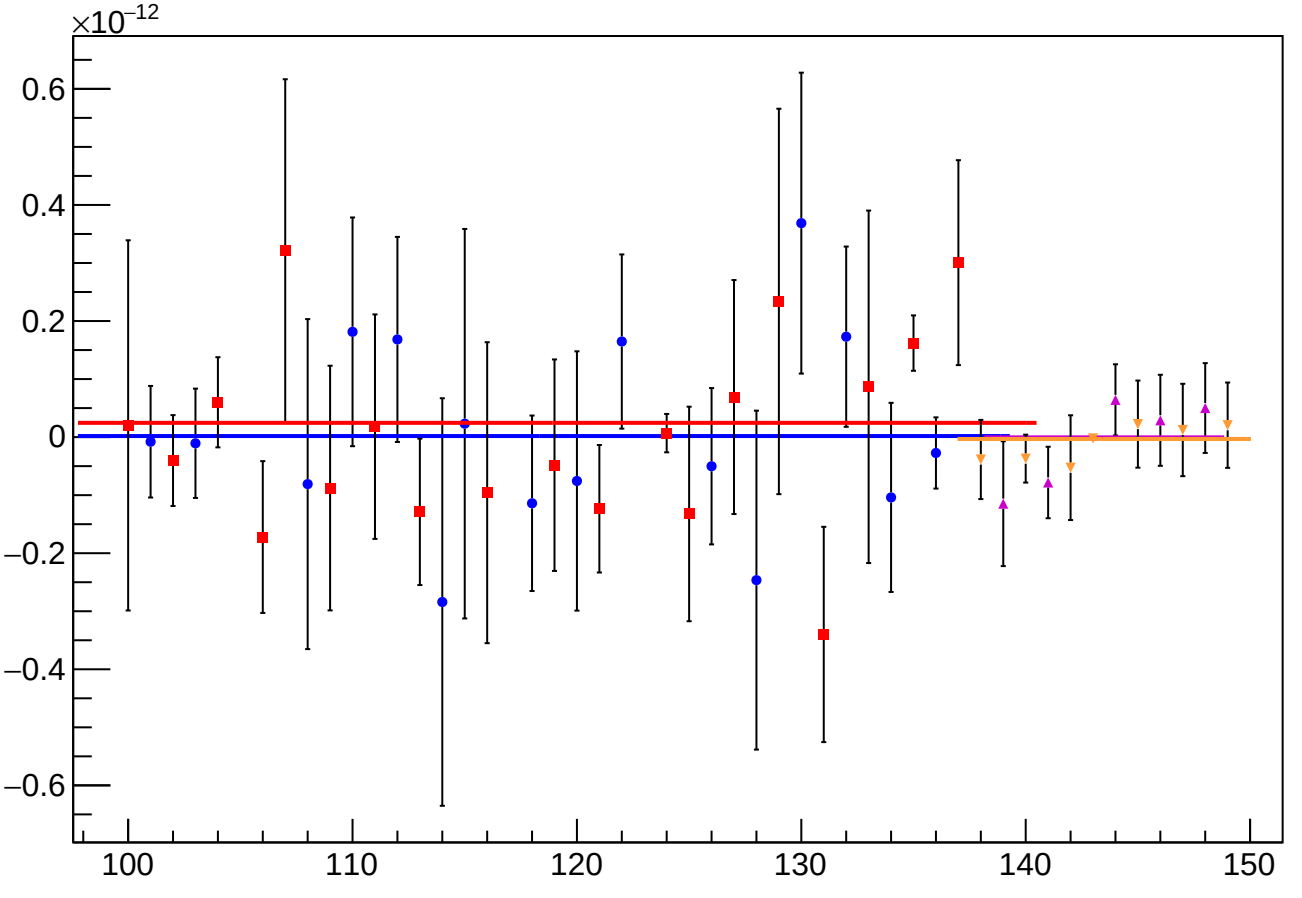
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 134.086+/-0.032 χ^2/NDF:4821924.4/20

Out: 130.132+/-0.032 χ^2/NDF:7175185.5/25

All: 132.075+/-0.023 χ^2/NDF: 12004796.4/46

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/4

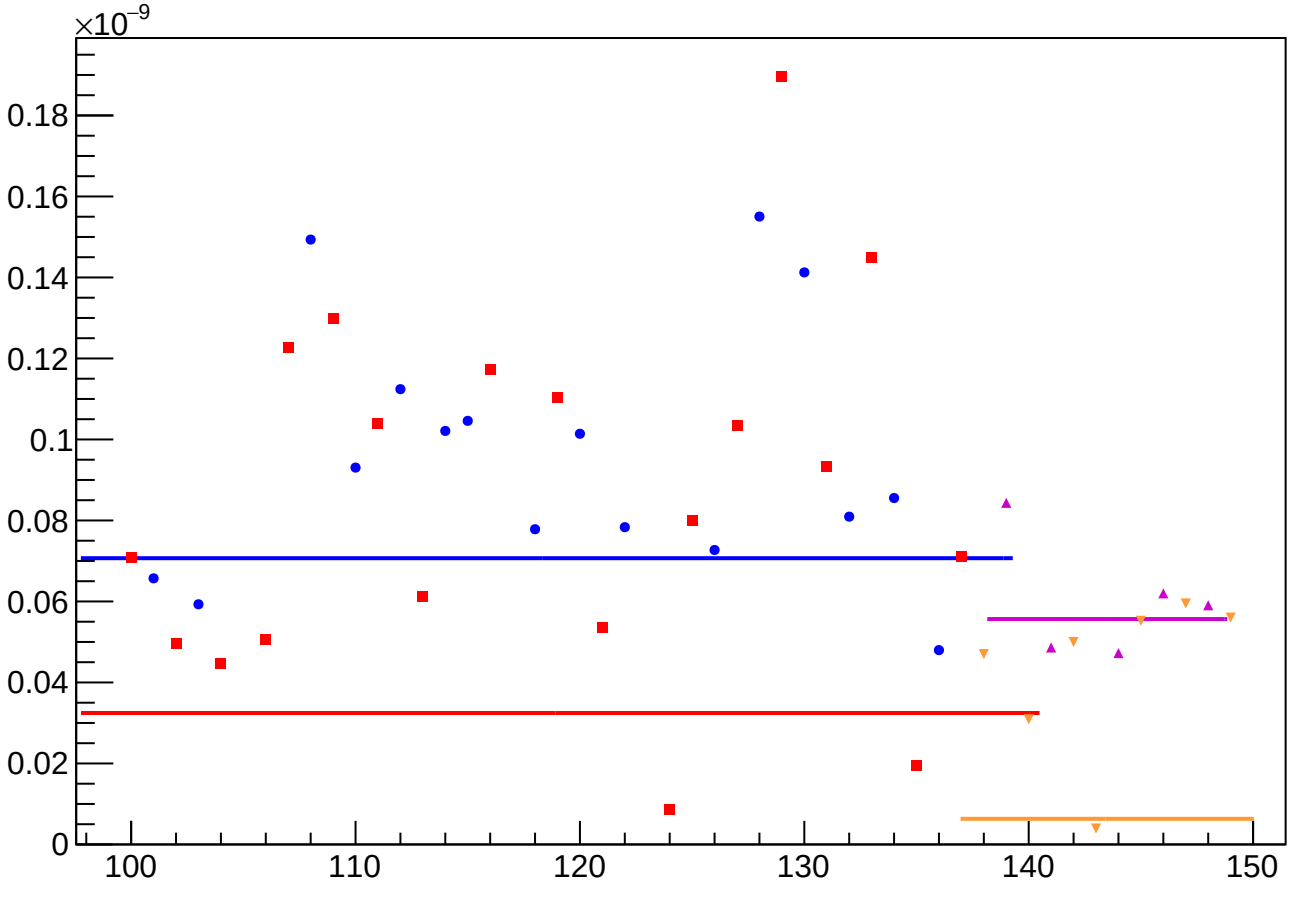
Left: -0.000+/-0.000 χ^2/NDF: 5.9/11

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:27.3/25

All: -0.000+/-0.000 χ^2/NDF: 40.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4806102.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:222912.7/4

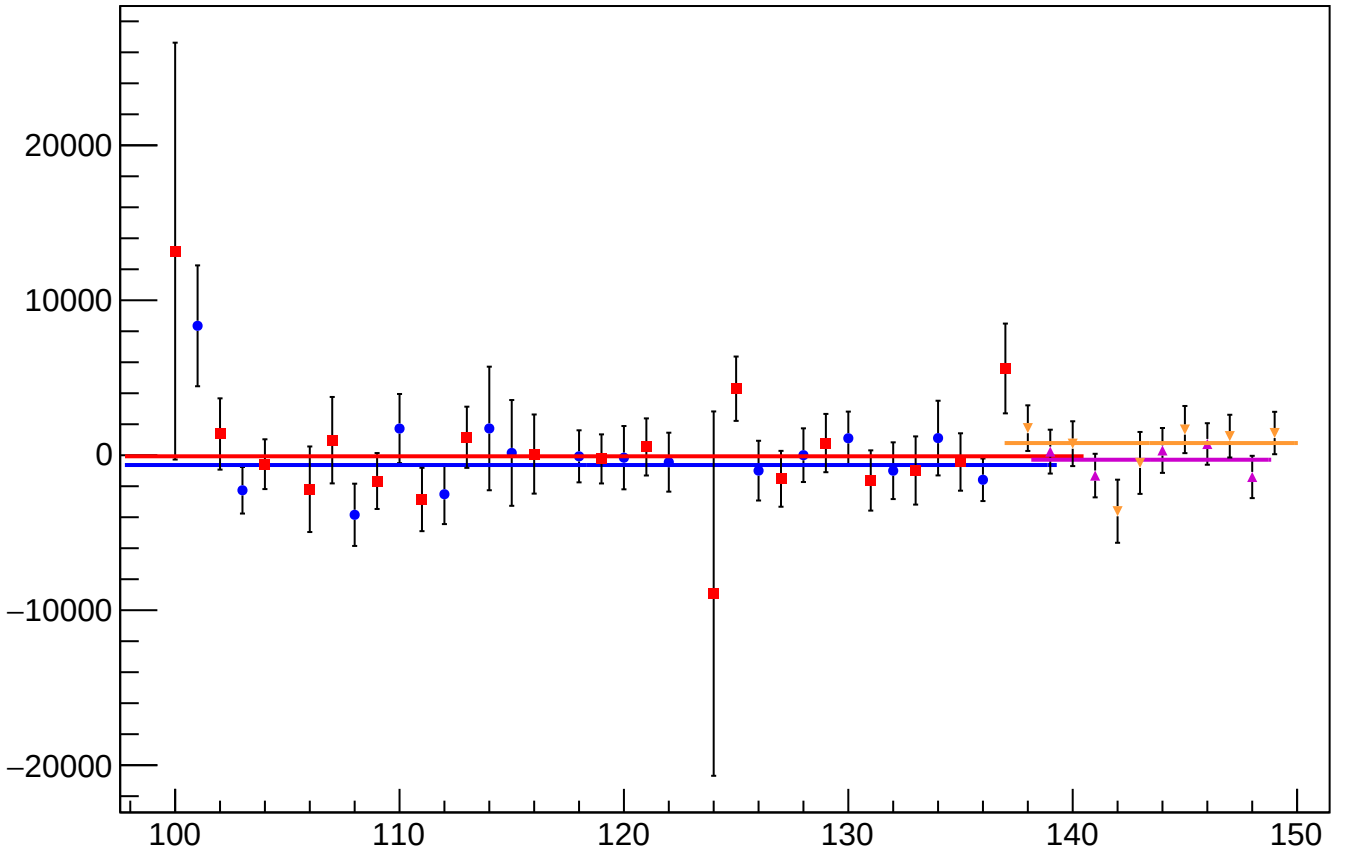
Left: 0.000+/-0.000 χ^2/NDF: 9457038.5/11

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:11937896.1/25

All: 0.000+/-0.000 χ^2/NDF: 23258656.2/46



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.631+/-584.802 χ^2/NDF:6.2/6

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -290.048+/-623.108 χ^2/NDF:2.1/4

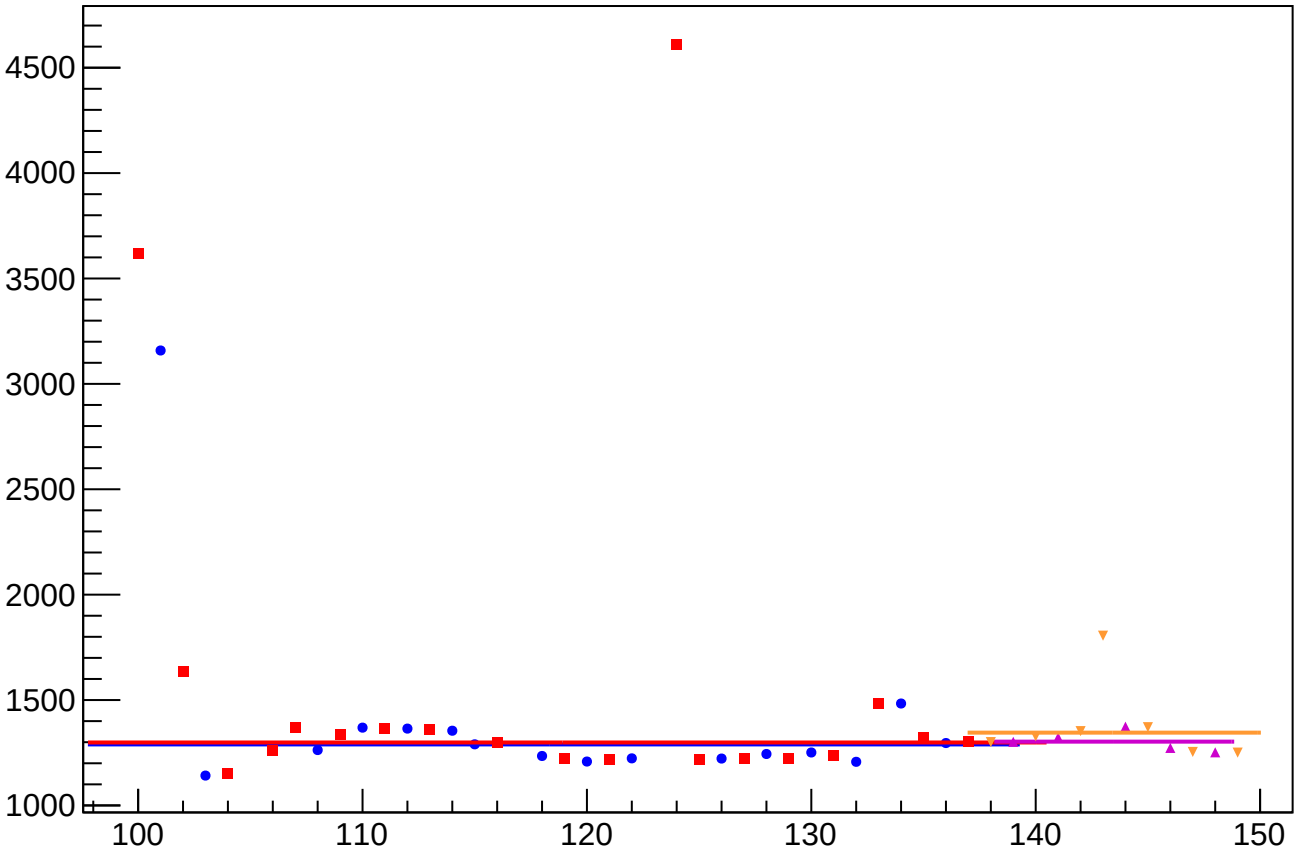
Left: 282.401+/-426.417 χ^2/NDF: 9.8/11

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -501.186+/-384.521 χ^2/NDF:16.2/20

Out: 282.830+/-374.574 χ^2/NDF:23.3/25

All: -98.907+/-268.311 χ^2/NDF: 41.6/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

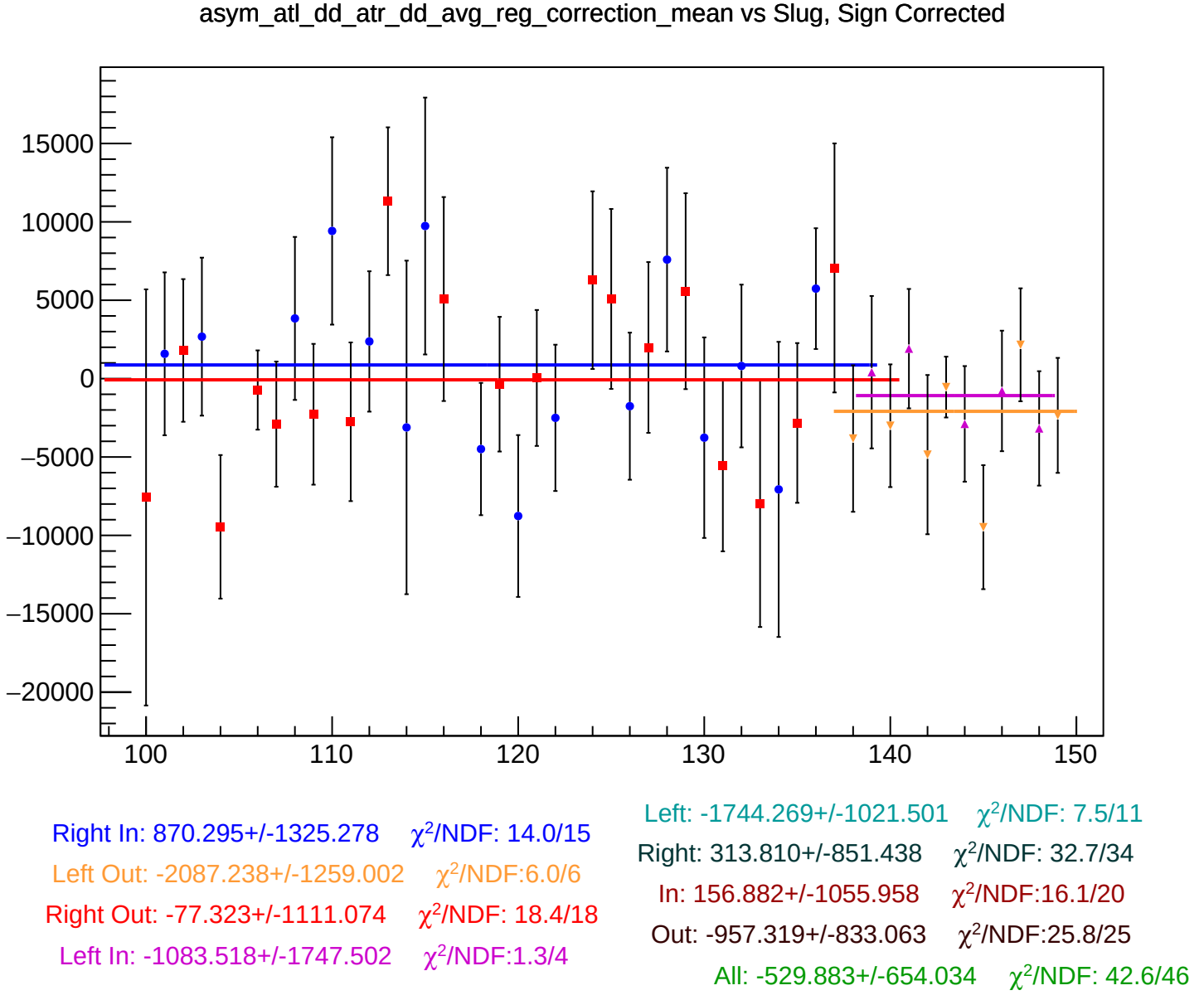
Left: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

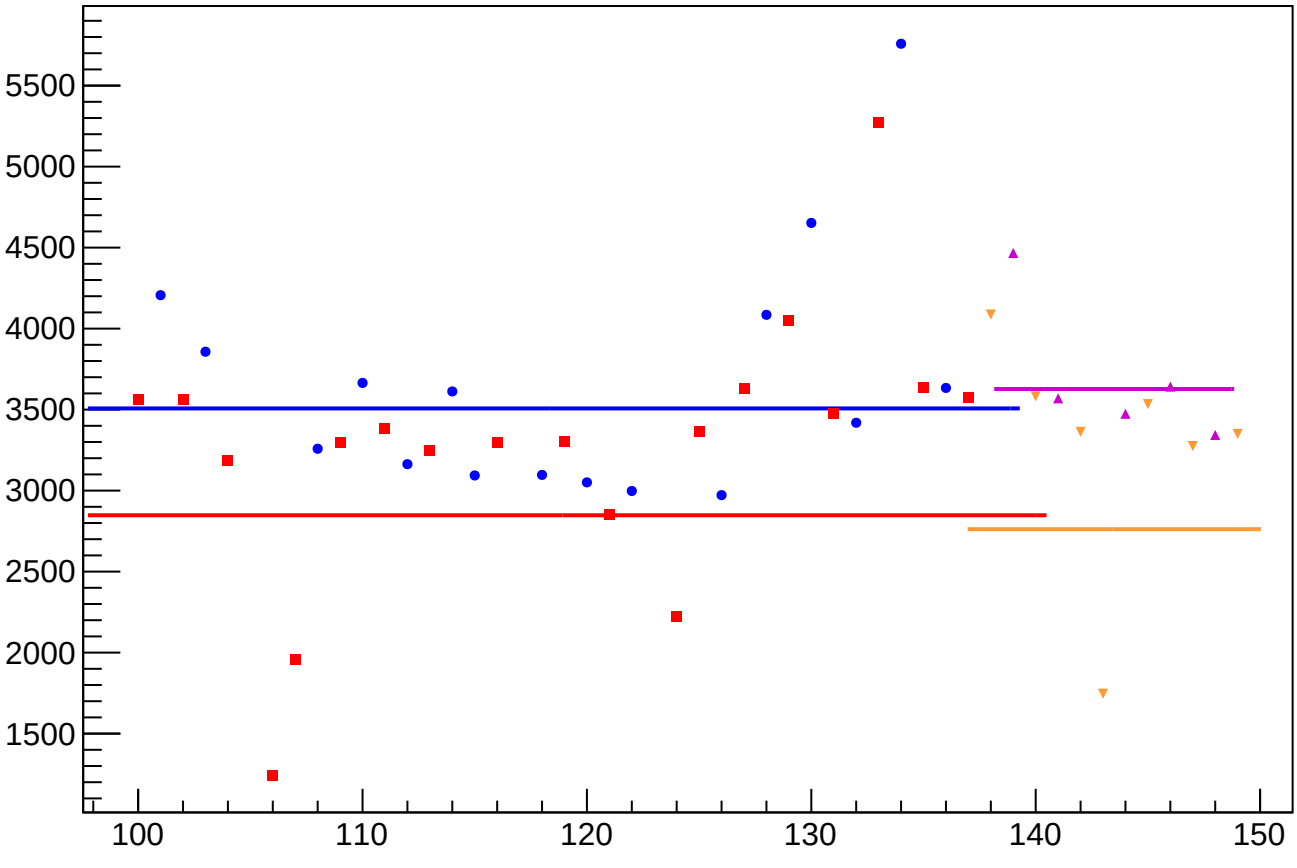
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1294.485+/-0.272 χ^2/NDF:524191.7/20

Out: 1317.766+/-0.264 χ^2/NDF:454067.0/25

All: 1306.449+/-0.190 χ^2/NDF: 982026.0/46


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: -2087.238+/-1259.002 χ²/NDF:6.0/6
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1083.518+/-1747.502 χ²/NDF:1.3/4
Left: -1744.269+/-1021.501 χ²/NDF: 7.5/11
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 156.882+/-1055.958 χ²/NDF:16.1/20
Out: -957.319+/-833.063 χ²/NDF:25.8/25
All: -529.883+/-654.034 χ²/NDF: 42.6/46



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2761.911+/-0.890 χ^2/NDF:993241.5/6

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

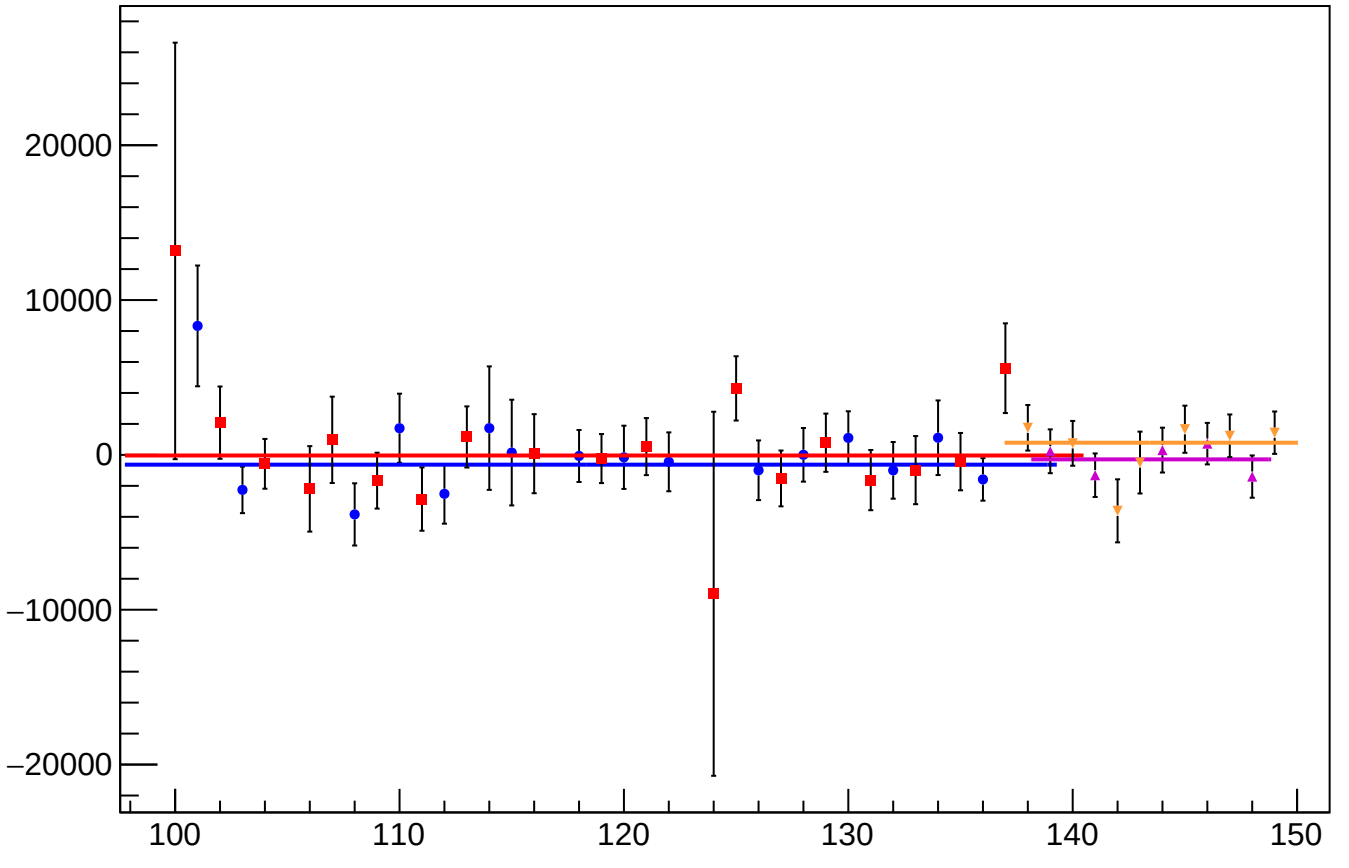
Left: 3057.609+/-0.722 χ^2/NDF: 1391819.3/11

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3551.174+/-0.747 χ^2/NDF:435659.9/20

Out: 2810.214+/-0.589 χ^2/NDF:2497851.8/25

All: 3094.465+/-0.462 χ^2/NDF: 3540488.6/46



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

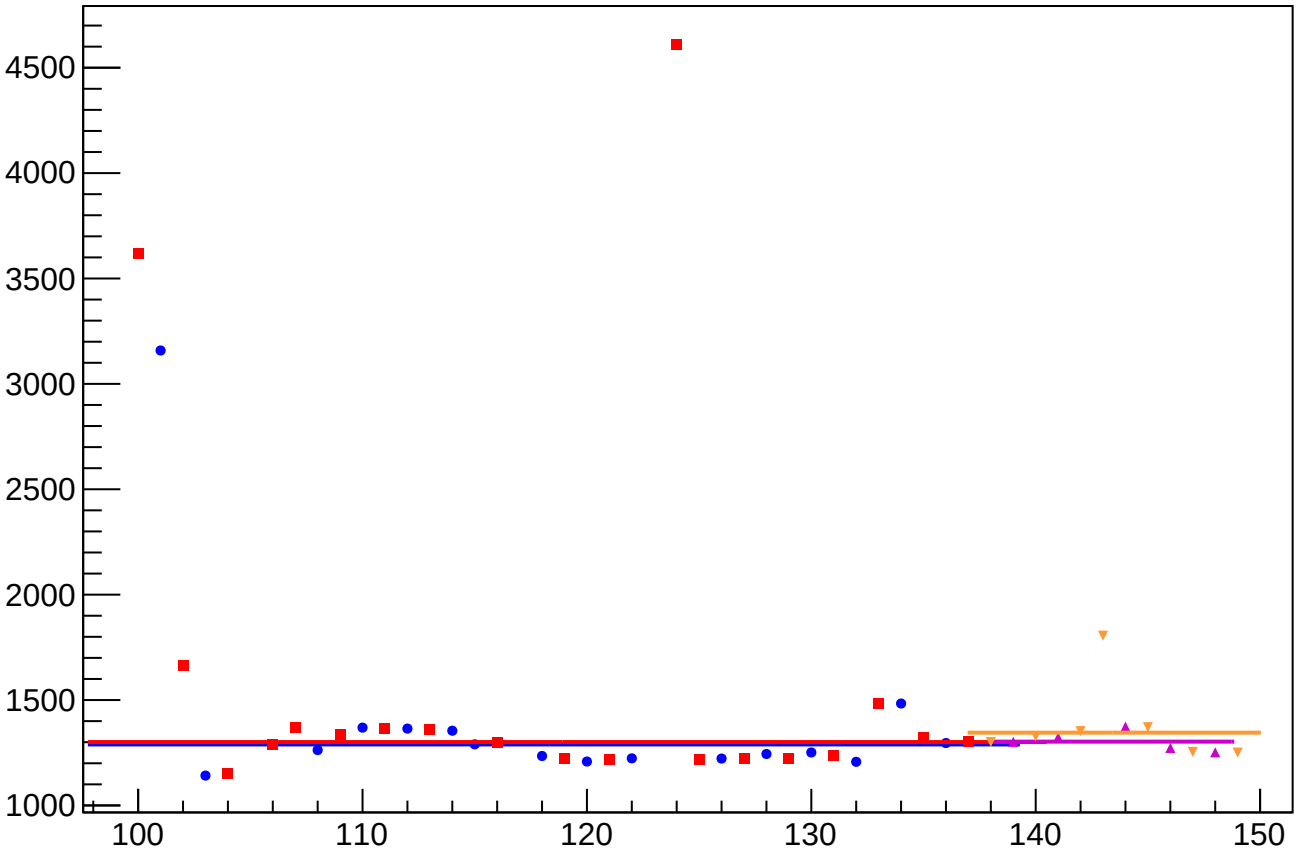
Left: 282.337+/-426.417 χ^2/NDF: 9.8/11

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 300.165+/-374.721 χ^2/NDF:23.7/25

All: -90.288+/-268.365 χ^2/NDF: 42.0/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

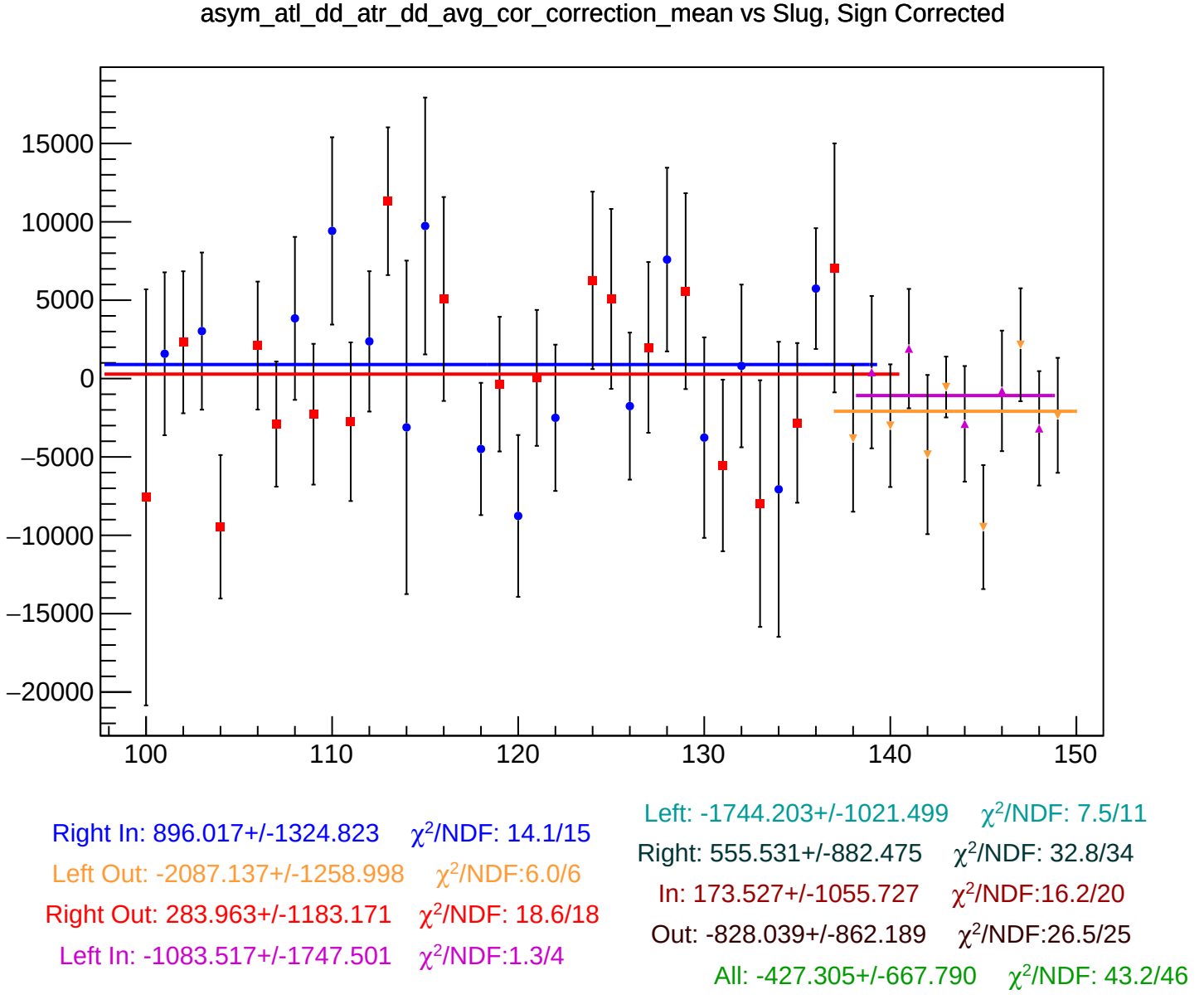
Left: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

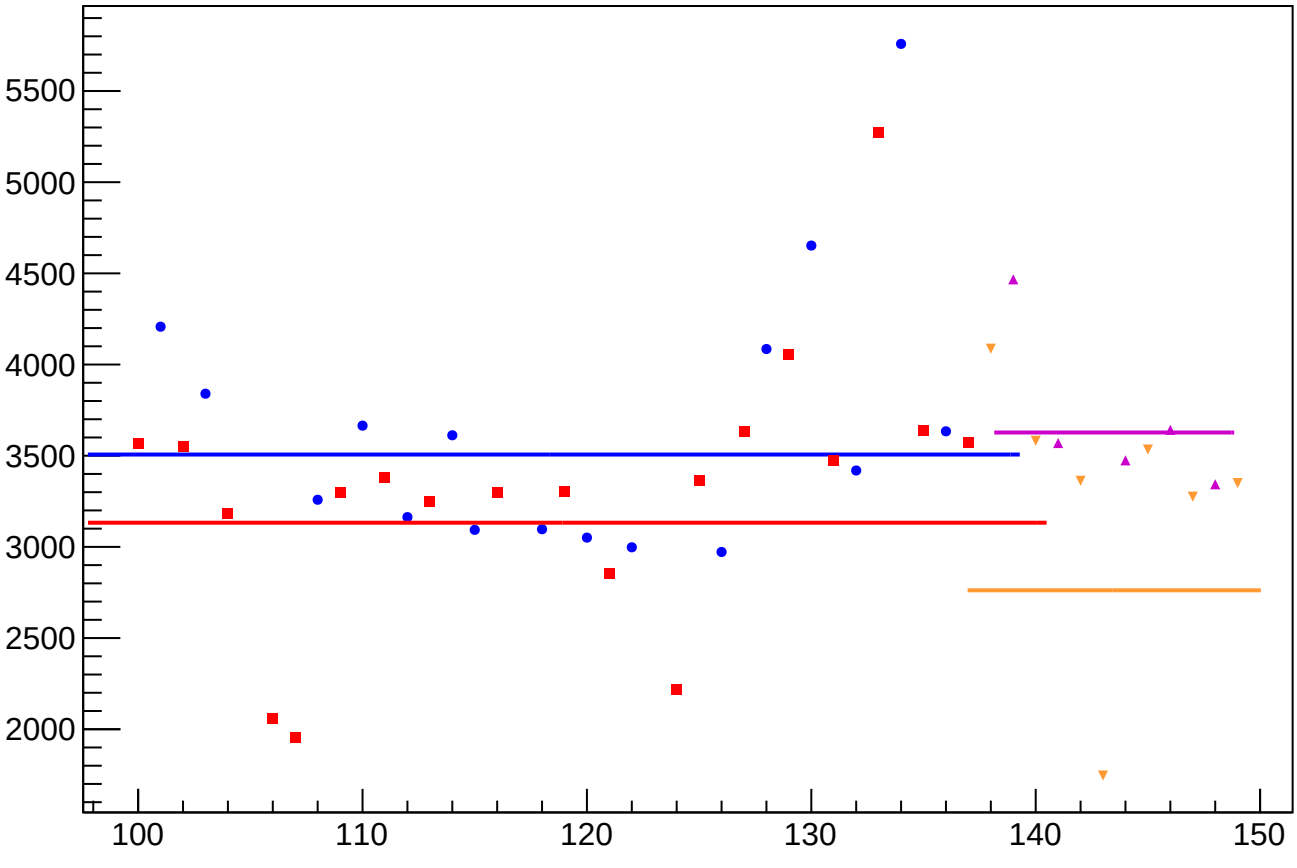
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1318.996+/-0.265 χ^2/NDF:459950.8/25

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46


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: -2087.137+/-1258.998 χ²/NDF:6.0/6
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1744.203+/-1021.499 χ²/NDF: 7.5/11
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -828.039+/-862.189 χ²/NDF:26.5/25
All: -427.305+/-667.790 χ²/NDF: 43.2/46



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

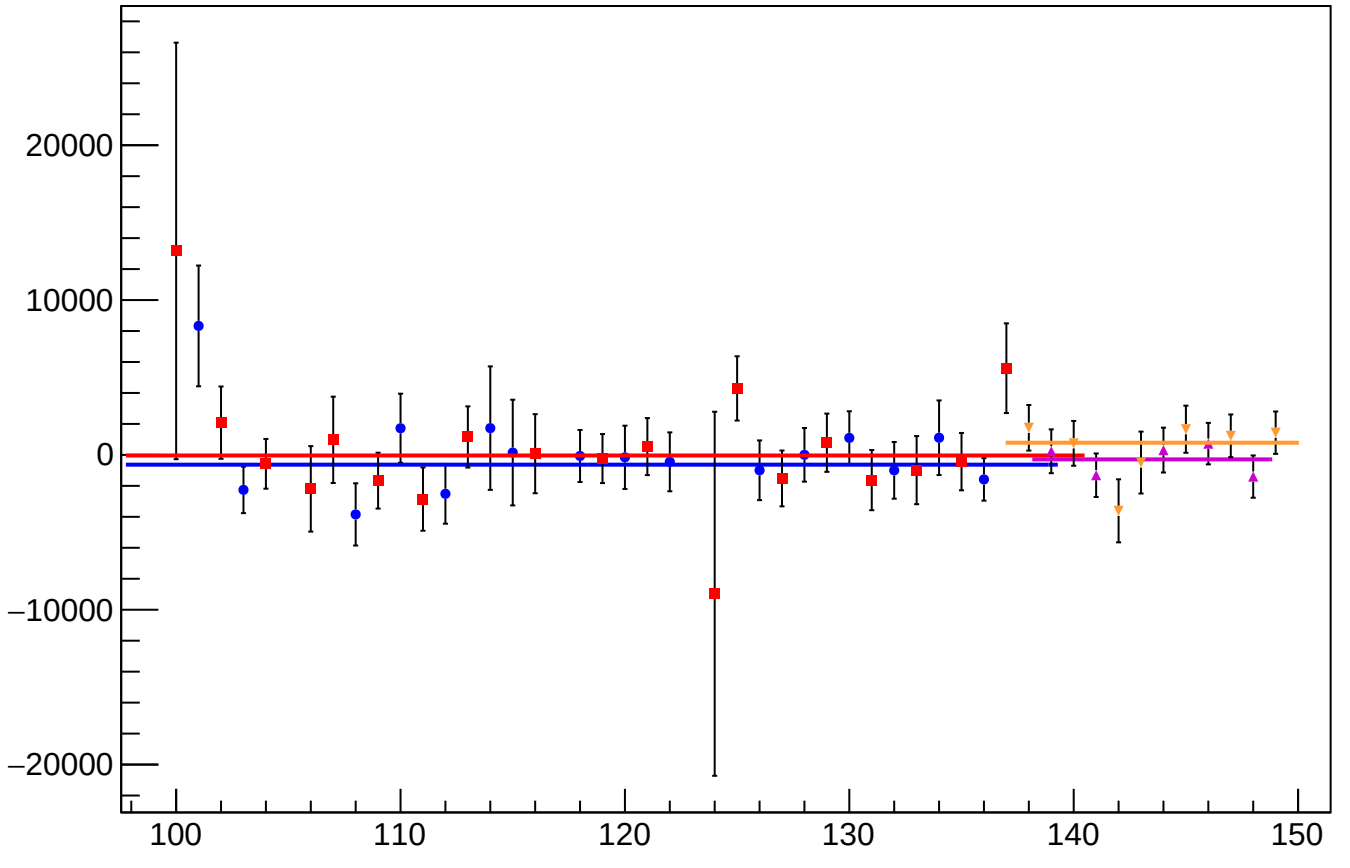
Left: 3057.600+/-0.722 χ^2/NDF: 1391840.0/11

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2958.741+/-0.610 χ^2/NDF:1734934.2/25

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

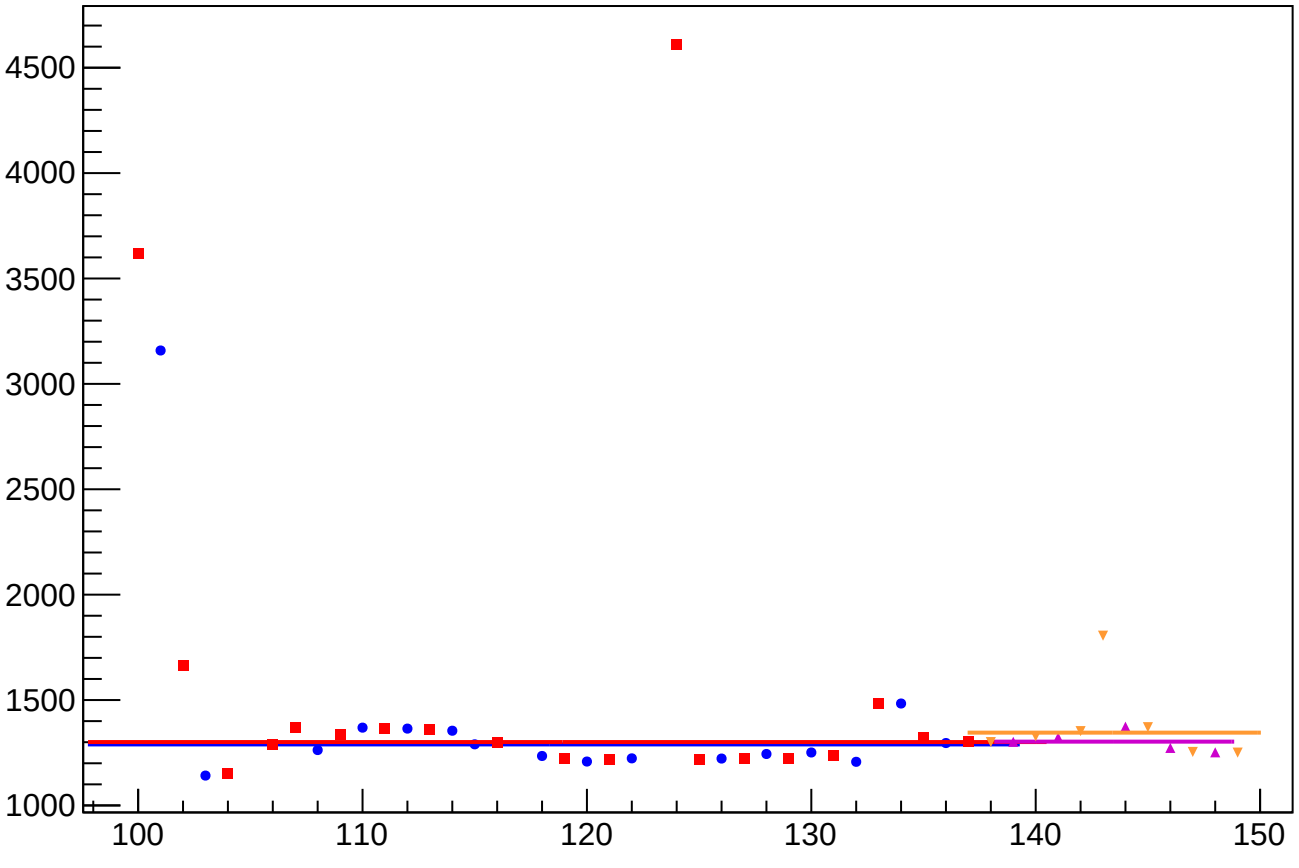
Left: 282.337+/-426.417 χ^2/NDF: 9.8/11

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 300.165+/-374.721 χ^2/NDF:23.7/25

All: -90.288+/-268.365 χ^2/NDF: 42.0/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

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: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

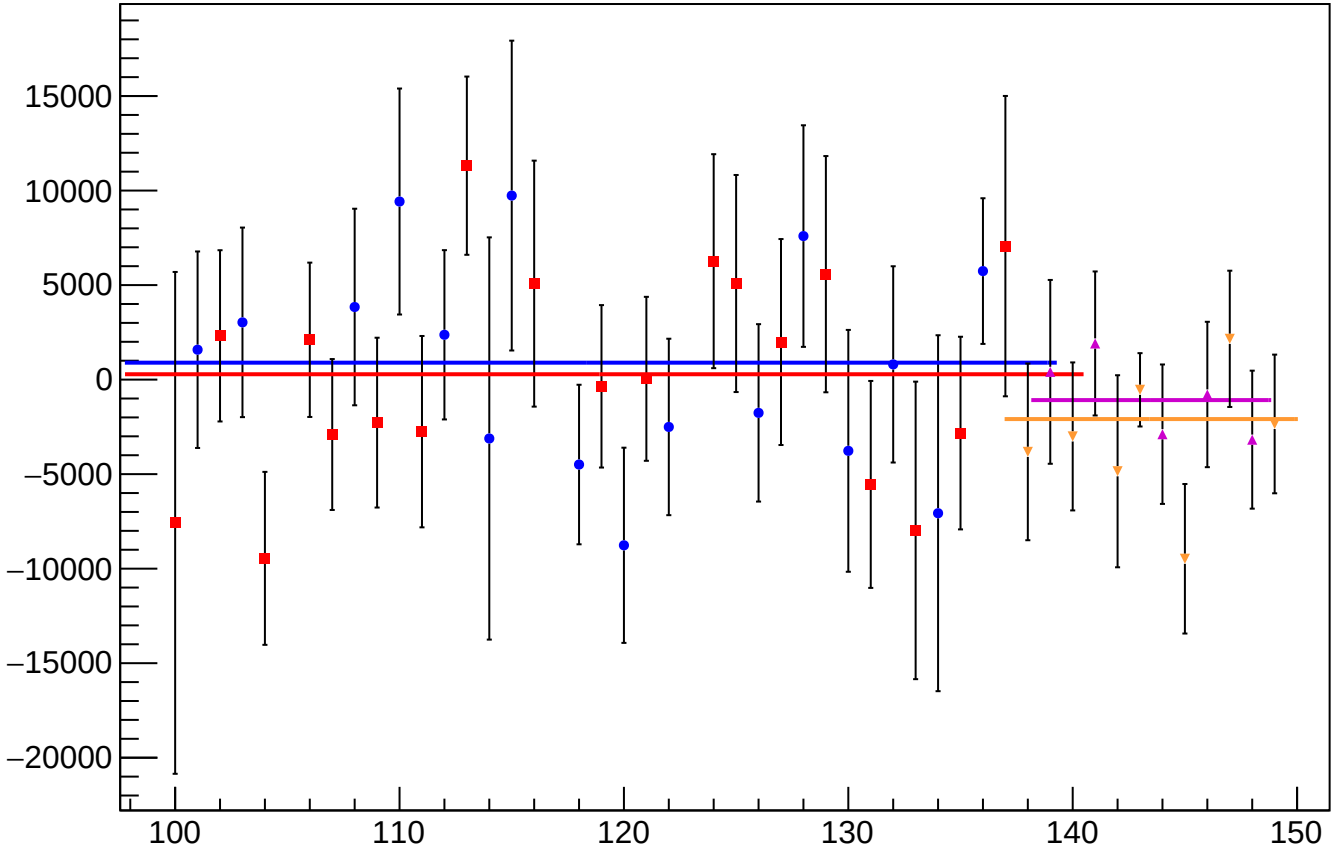
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1318.996+/-0.265 χ^2/NDF:459950.8/25

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2087.137+/-1258.998 χ^2/NDF:6.0/6

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: -1744.203+/-1021.499 χ^2/NDF: 7.5/11

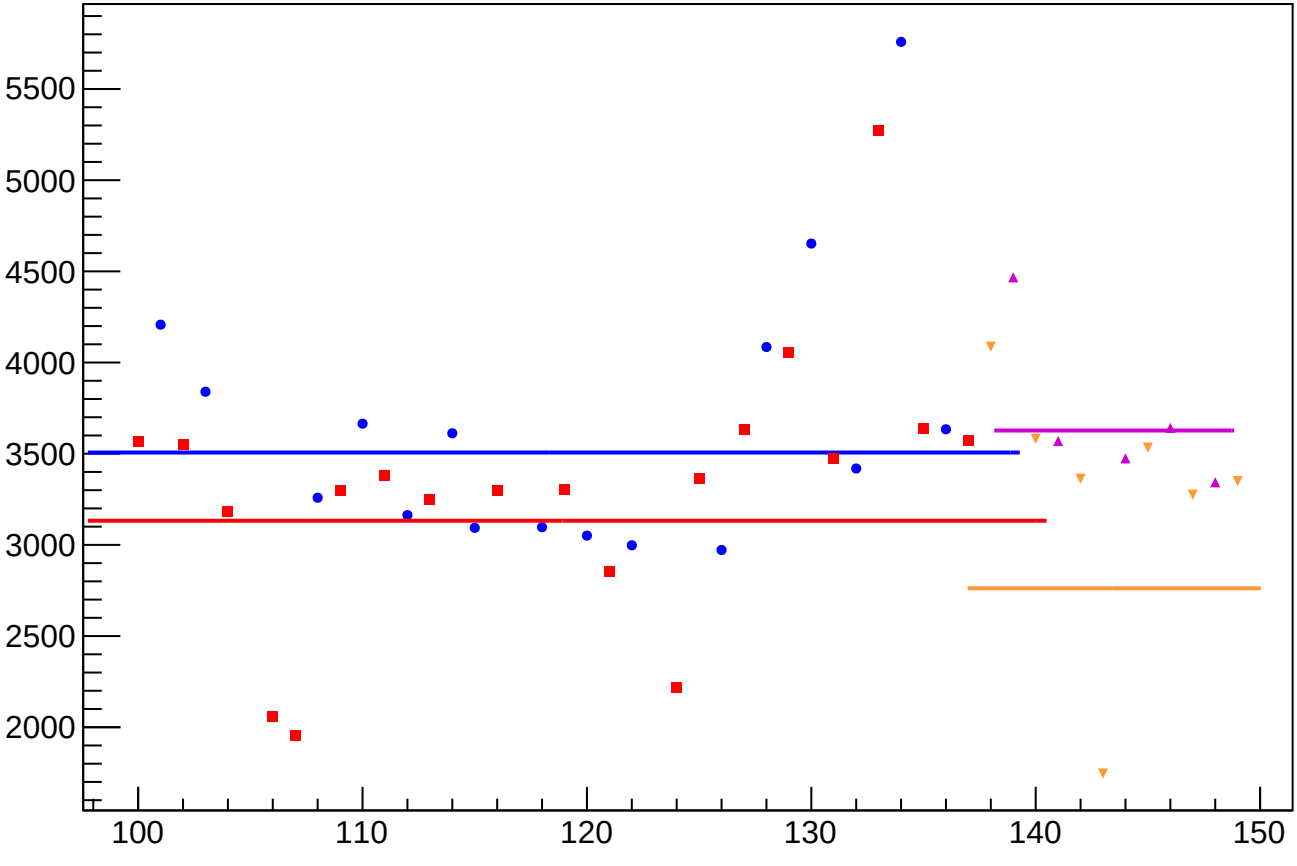
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 173.527+/-1055.727 χ^2/NDF:16.2/20

Out: -828.039+/-862.189 χ^2/NDF:26.5/25

All: -427.305+/-667.790 χ^2/NDF: 43.2/46

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

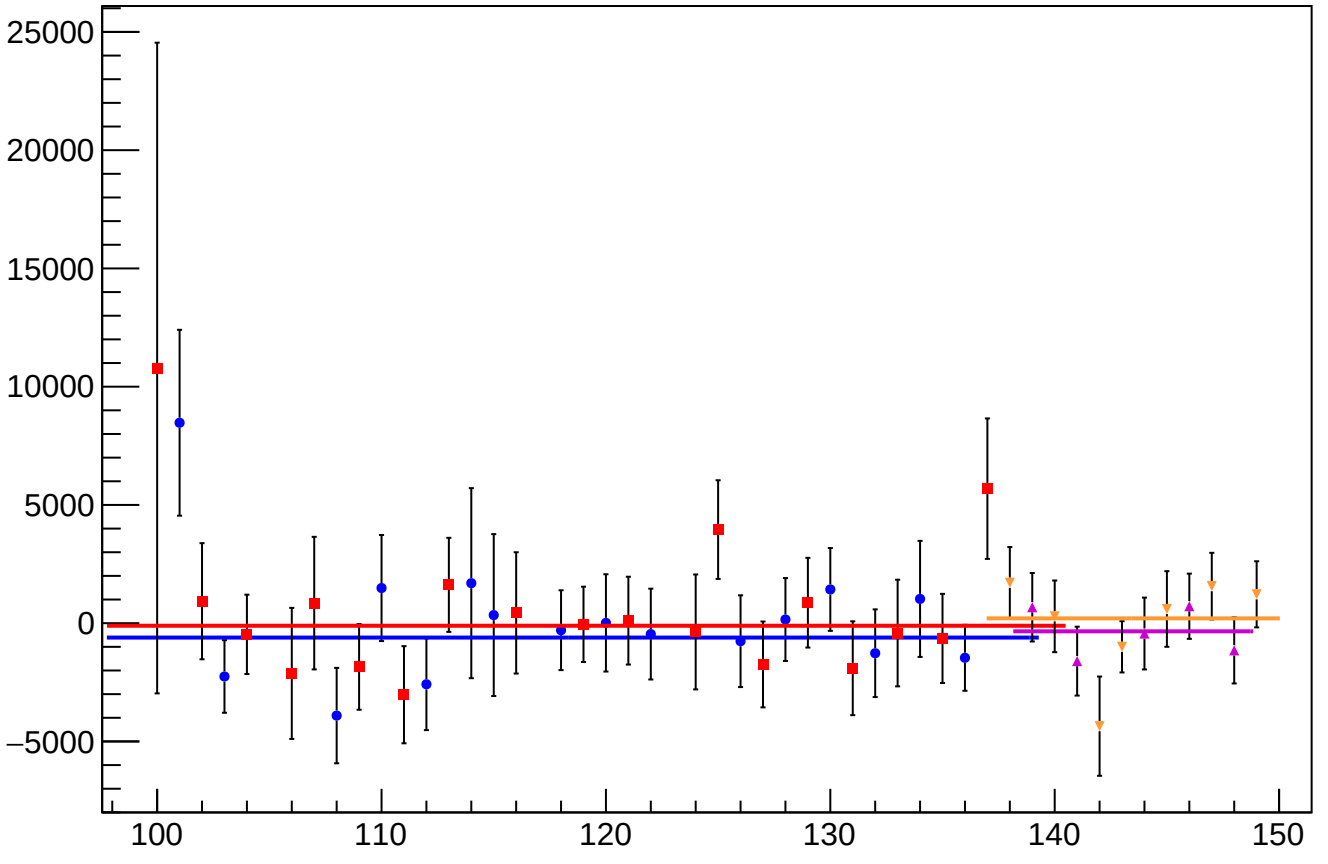
Left: 3057.600+/-0.722 χ^2/NDF: 1391840.0/11

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2958.741+/-0.610 χ^2/NDF:1734934.2/25

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.117+/-545.569 χ^2/NDF:8.5/6

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -344.307+/-643.028 χ^2/NDF:2.2/4

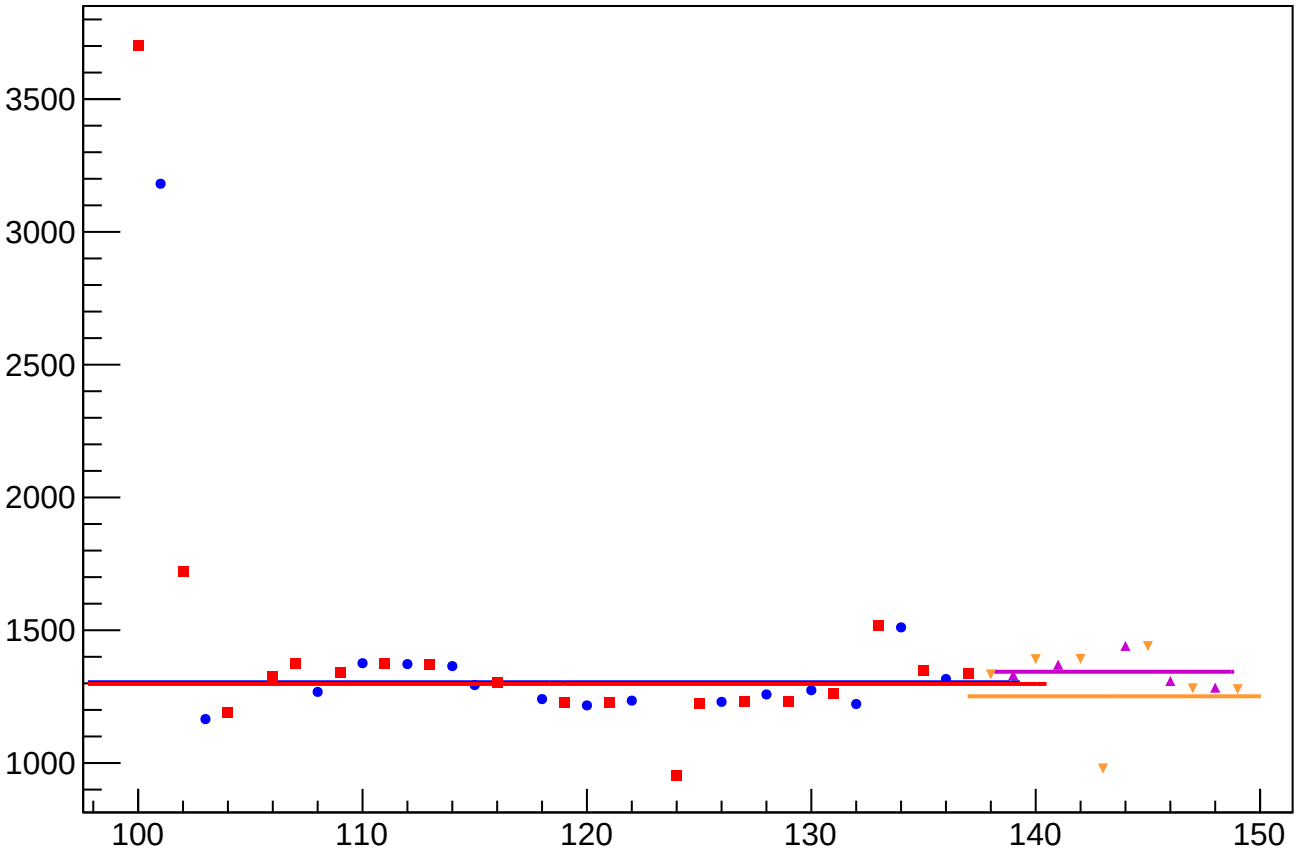
Left: -25.427+/-416.011 χ^2/NDF: 11.1/11

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -509.980+/-391.834 χ^2/NDF:16.4/20

Out: 29.610+/-362.708 χ^2/NDF:23.5/25

All: -219.386+/-266.175 χ^2/NDF: 40.9/46



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1251.266+/-0.386 χ^2/NDF:187430.1/6

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

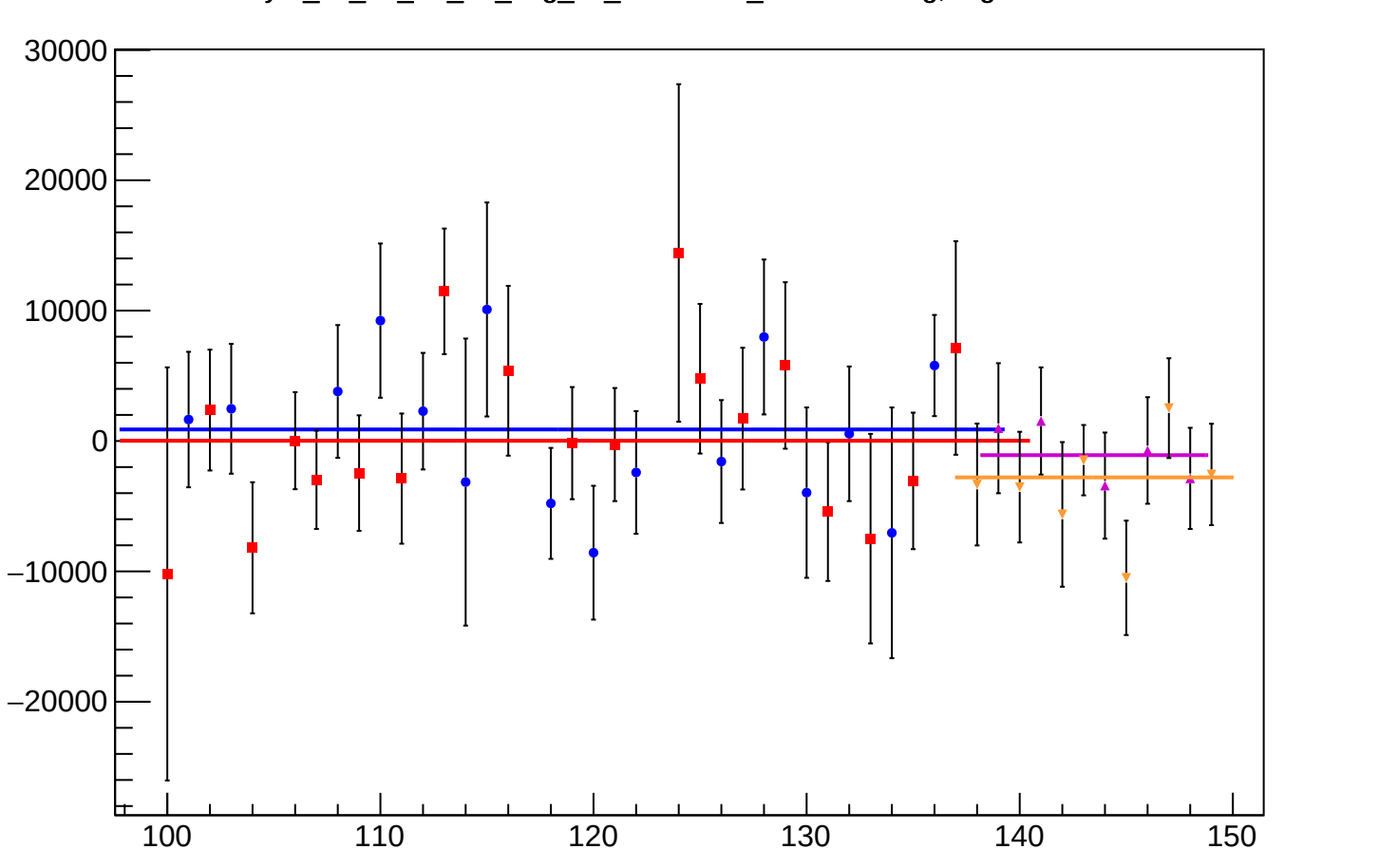
Left: 1289.974+/-0.294 χ^2/NDF: 225443.2/11

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1318.823+/-0.277 χ^2/NDF:529327.6/20

Out: 1277.247+/-0.256 χ^2/NDF:408650.2/25

All: 1296.424+/-0.188 χ^2/NDF: 950109.0/46



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2791.459+/-1478.285 χ^2/NDF:5.6/6

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1086.069+/-1869.912 χ^2/NDF:1.1/4

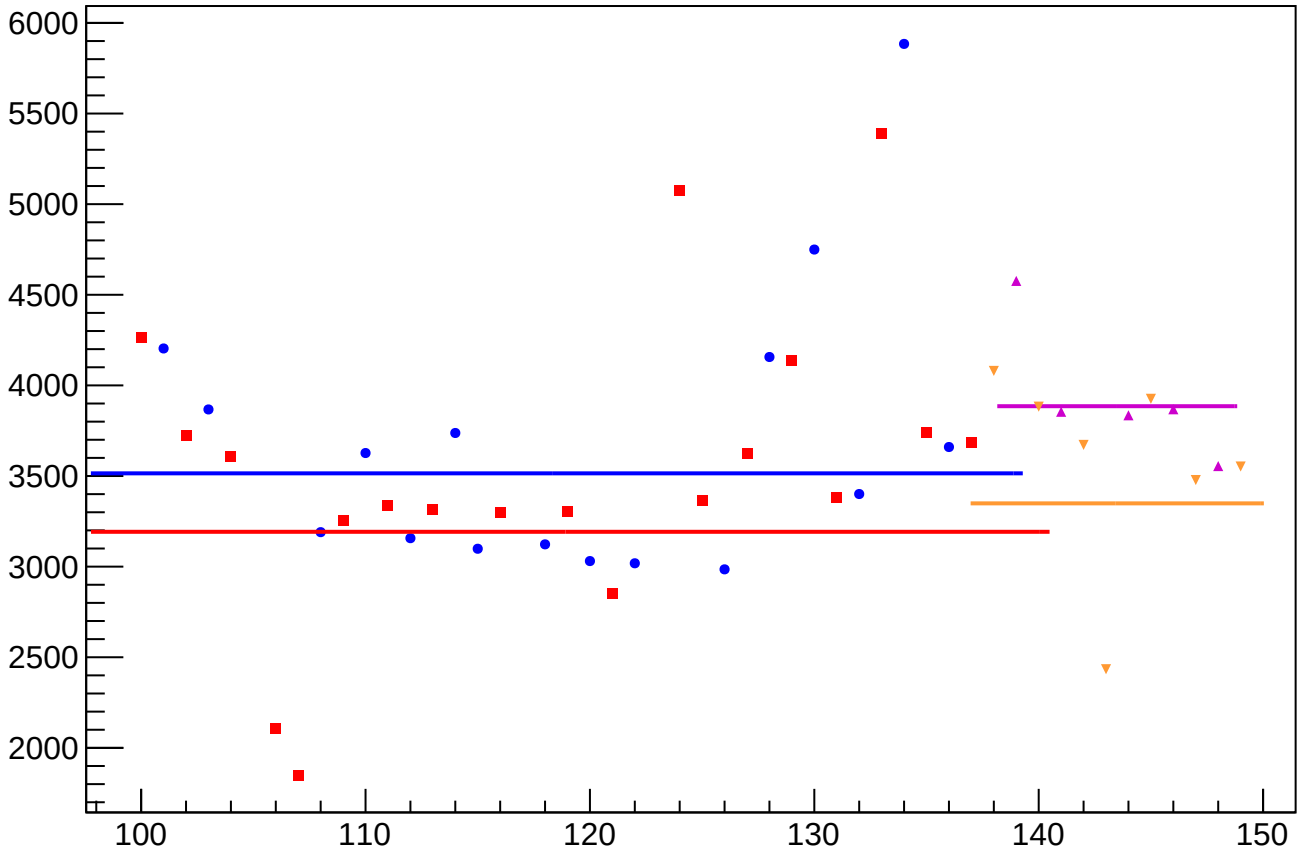
Left: -2135.545+/-1159.665 χ^2/NDF: 7.2/11

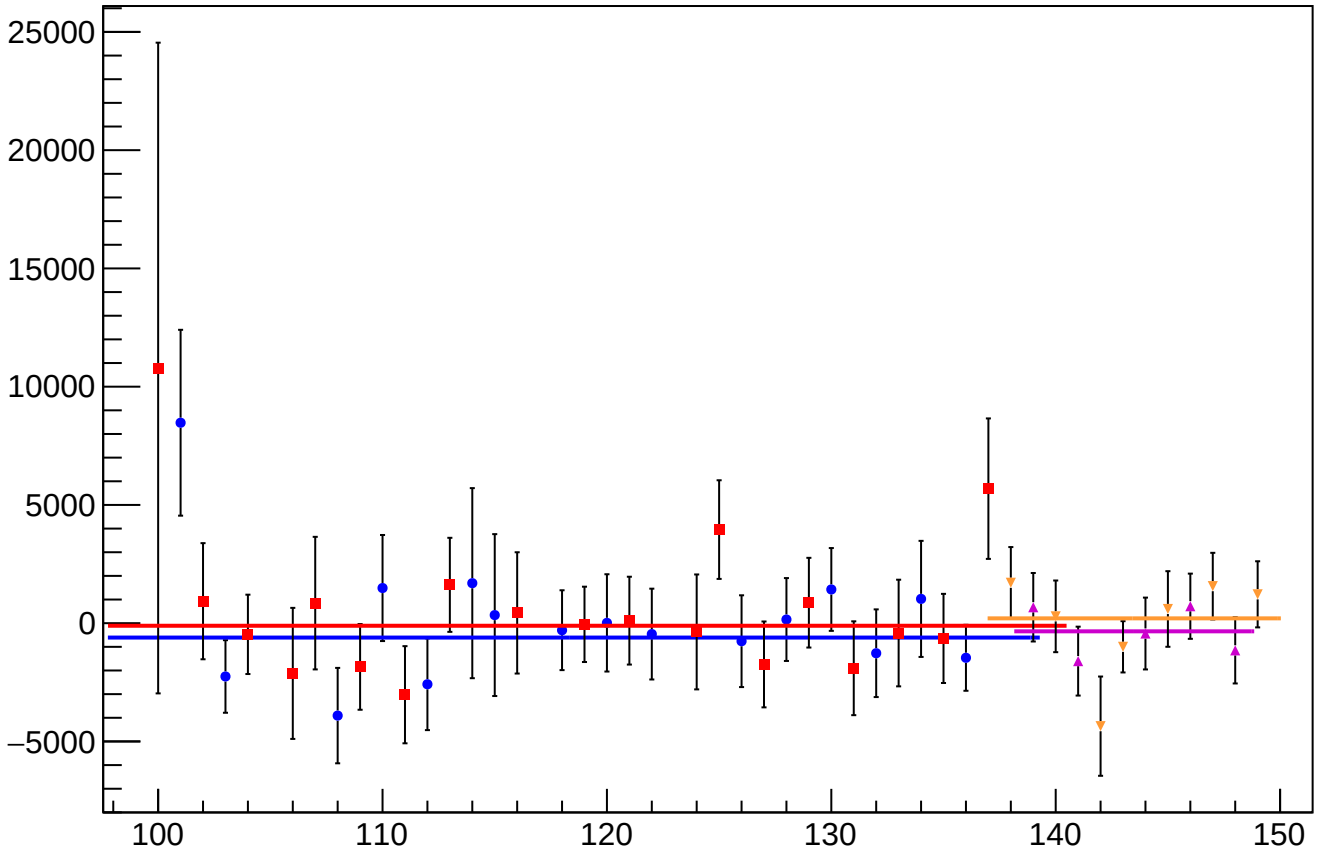
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 223.927+/-1082.404 χ^2/NDF:16.0/20

Out: -1096.334+/-931.685 χ^2/NDF:24.6/25

All: -534.451+/-706.126 χ^2/NDF: 41.4/46


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: 3349.085+/-1.045 χ²/NDF:359788.3/6
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 3885.199+/-1.322 χ²/NDF:53360.0/4
Left: 3555.281+/-0.820 χ²/NDF: 514317.9/11
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3638.874+/-0.765 χ²/NDF:480633.7/20
Out: 3254.519+/-0.659 χ²/NDF:1145861.6/25
All: 3418.094+/-0.499 χ²/NDF: 1771353.2/46



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.113+/-545.569 χ^2/NDF:8.5/6

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -344.306+/-643.029 χ^2/NDF:2.2/4

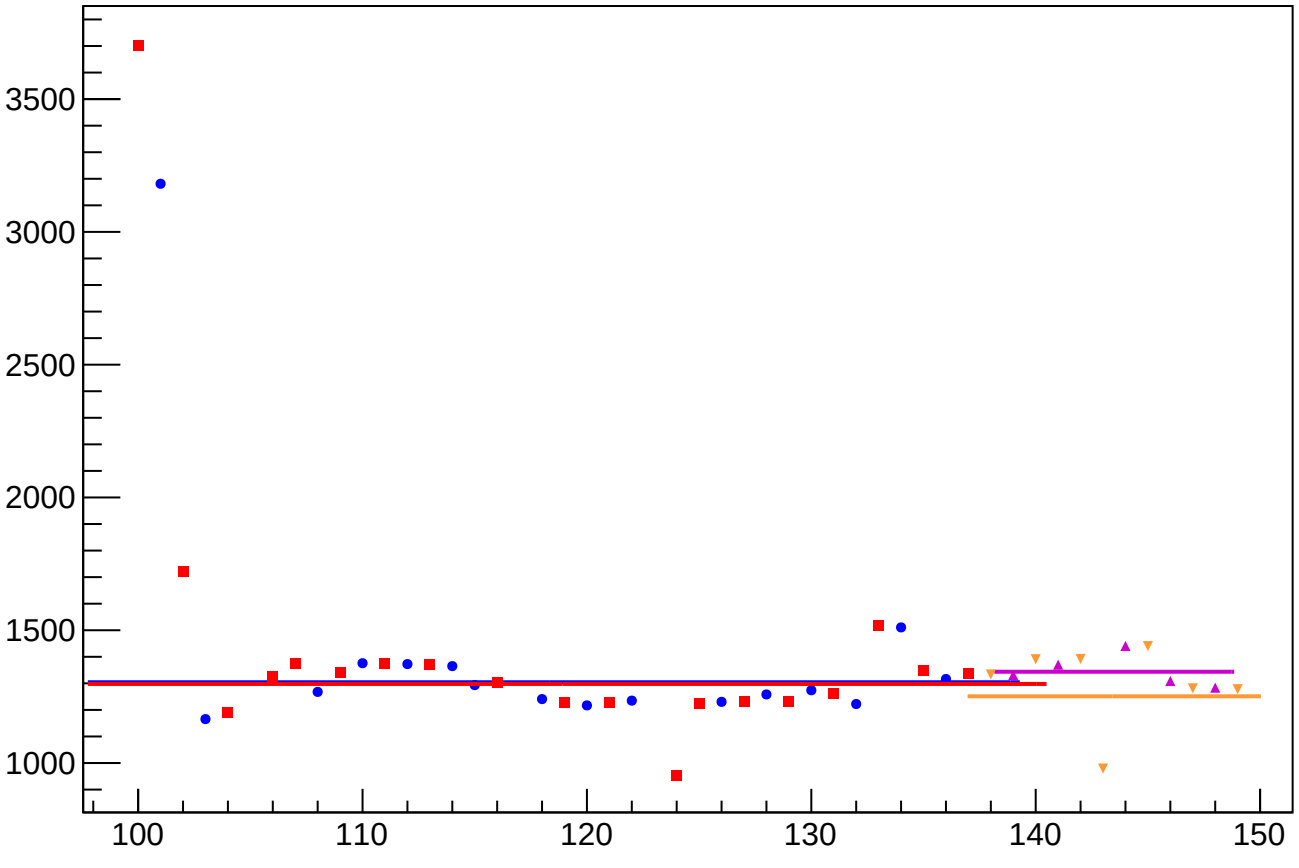
Left: -25.429+/-416.011 χ^2/NDF: 11.1/11

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -509.982+/-391.835 χ^2/NDF:16.4/20

Out: 29.606+/-362.708 χ^2/NDF:23.5/25

All: -219.390+/-266.175 χ^2/NDF: 40.9/46



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1251.267+/-0.386 χ^2/NDF:187430.4/6

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: 1289.975+/-0.294 χ^2/NDF: 225443.6/11

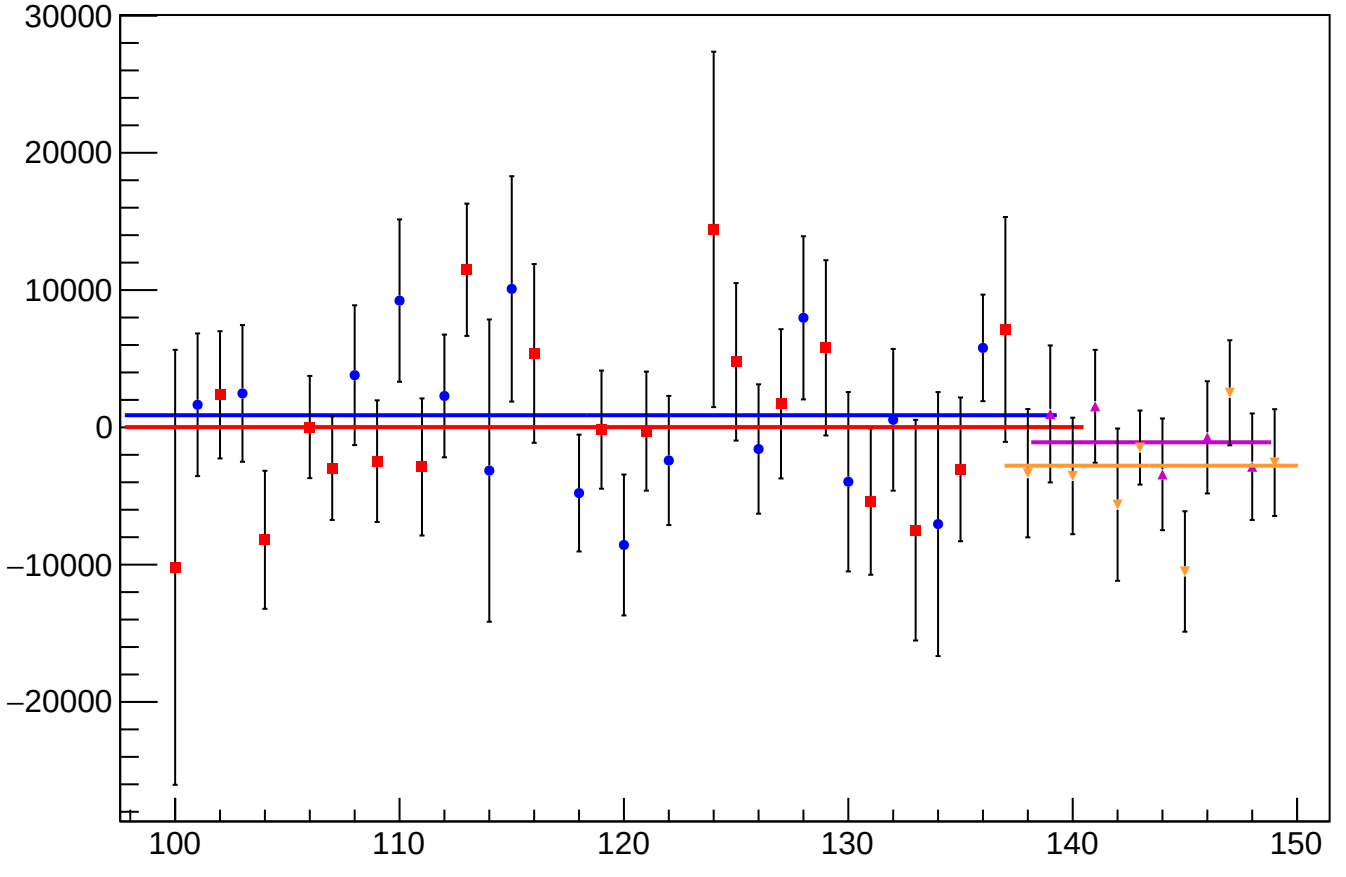
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1318.824+/-0.277 χ^2/NDF:529328.1/20

Out: 1277.247+/-0.256 χ^2/NDF:408650.2/25

All: 1296.425+/-0.188 χ^2/NDF: 950109.5/46

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2791.459+/-1478.287 χ^2/NDF:5.6/6

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1086.066+/-1869.915 χ^2/NDF:1.1/4

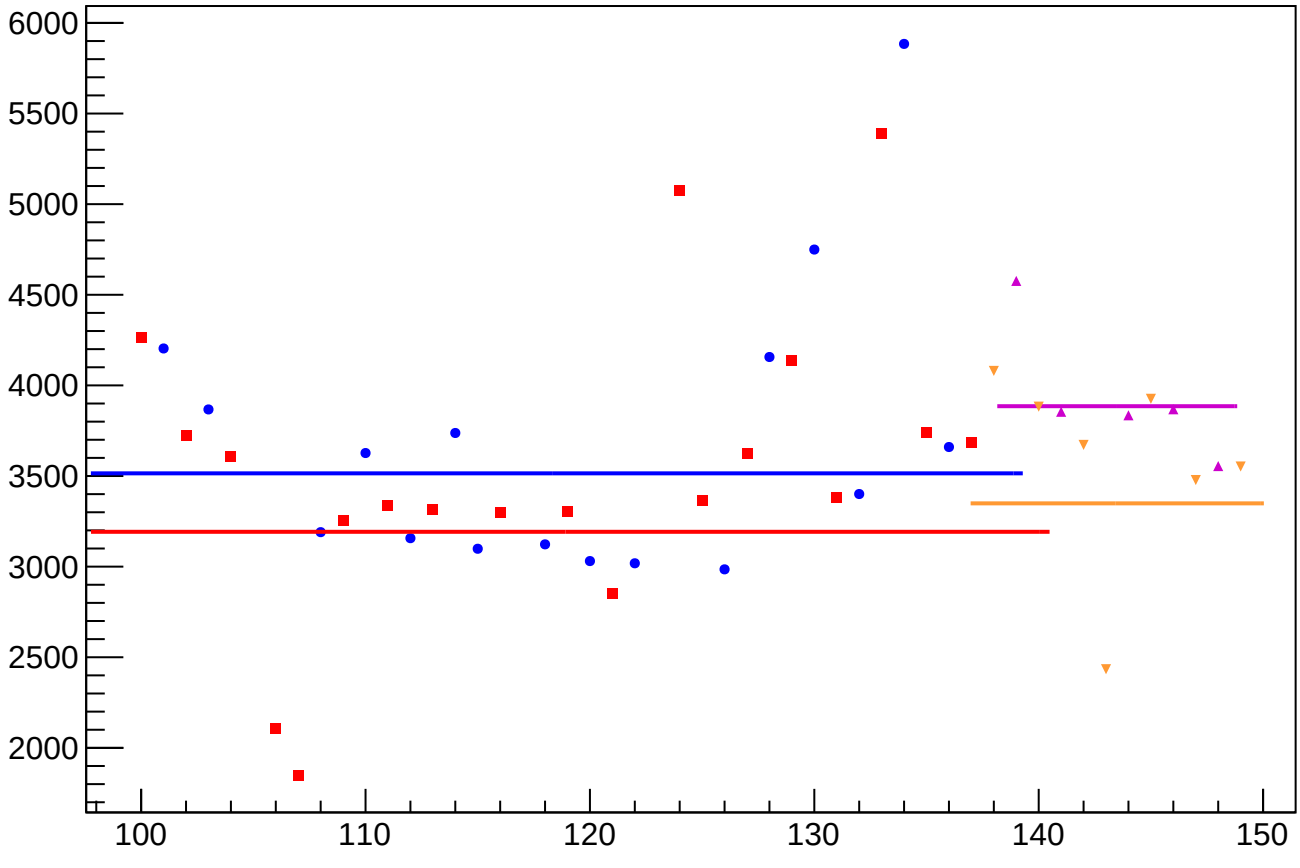
Left: -2135.545+/-1159.667 χ^2/NDF: 7.2/11

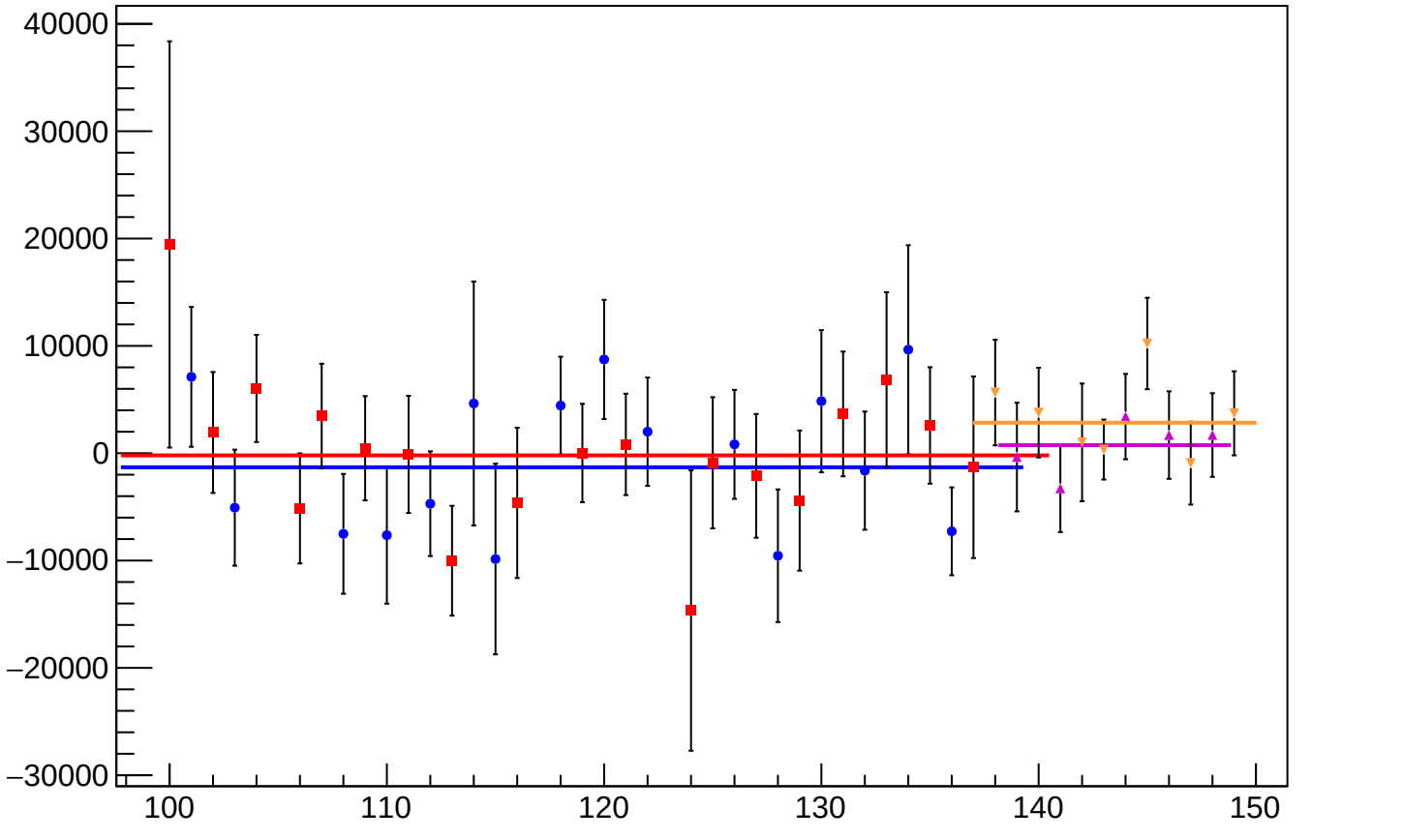
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 223.924+/-1082.402 χ^2/NDF:16.0/20

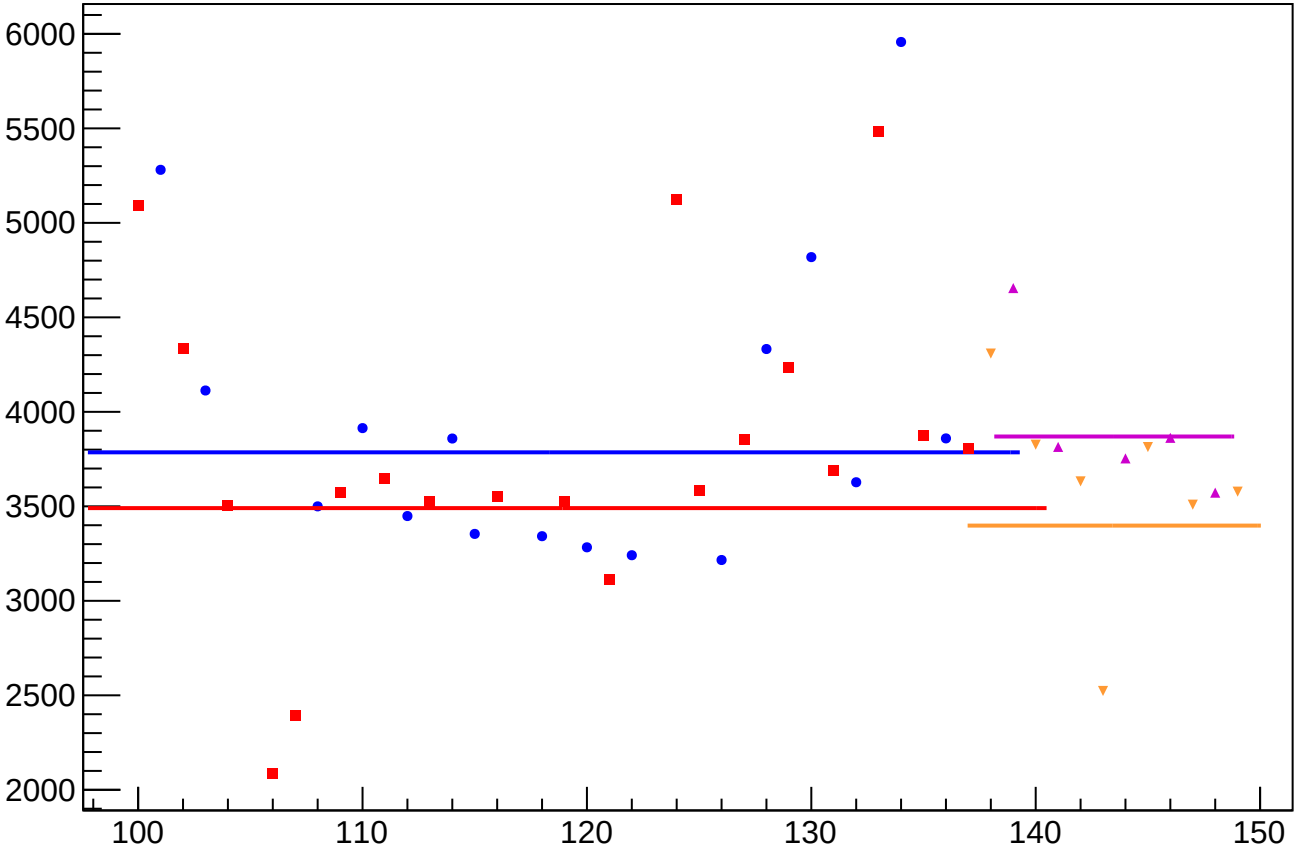
Out: -1096.331+/-931.684 χ^2/NDF:24.6/25

All: -534.451+/-706.125 χ^2/NDF: 41.4/46


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3349.090+/-1.045 χ²/NDF:359788.9/6
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3885.204+/-1.322 χ²/NDF:53360.9/4
Left: 3555.286+/-0.820 χ²/NDF: 514319.4/11
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3638.869+/-0.765 χ²/NDF:480642.9/20
Out: 3254.516+/-0.659 χ²/NDF:1145866.6/25
All: 3418.090+/-0.499 χ²/NDF: 1771366.4/46


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 2842.696+/-1495.106 χ²/NDF:5.3/6
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: 751.876+/-1861.261 χ²/NDF:1.6/4
Left: 2022.697+/-1165.616 χ²/NDF: 7.7/11
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -543.172+/-1134.773 χ²/NDF:19.9/20
Out: 1150.074+/-996.239 χ²/NDF:19.2/25
All: 413.063+/-748.662 χ²/NDF: 40.4/46

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: 3398.087+/-1.057 χ^2/NDF:314083.3/6

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

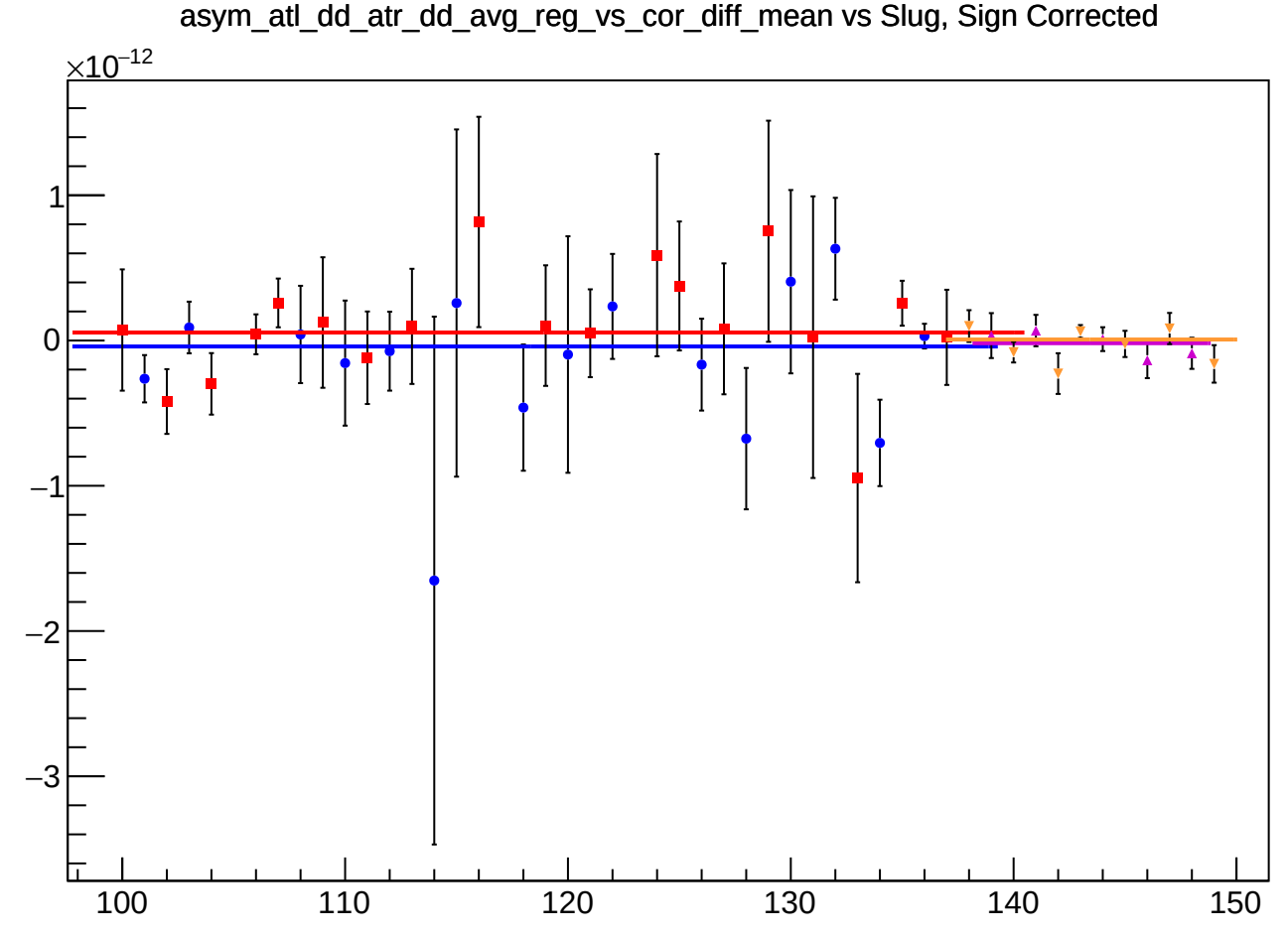
Left: 3582.983+/-0.824 χ^2/NDF: 453846.0/11

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3816.906+/-0.802 χ^2/NDF:447309.8/20

Out: 3450.158+/-0.699 χ^2/NDF:905109.0/25

All: 3608.409+/-0.527 χ^2/NDF: 1471183.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/4

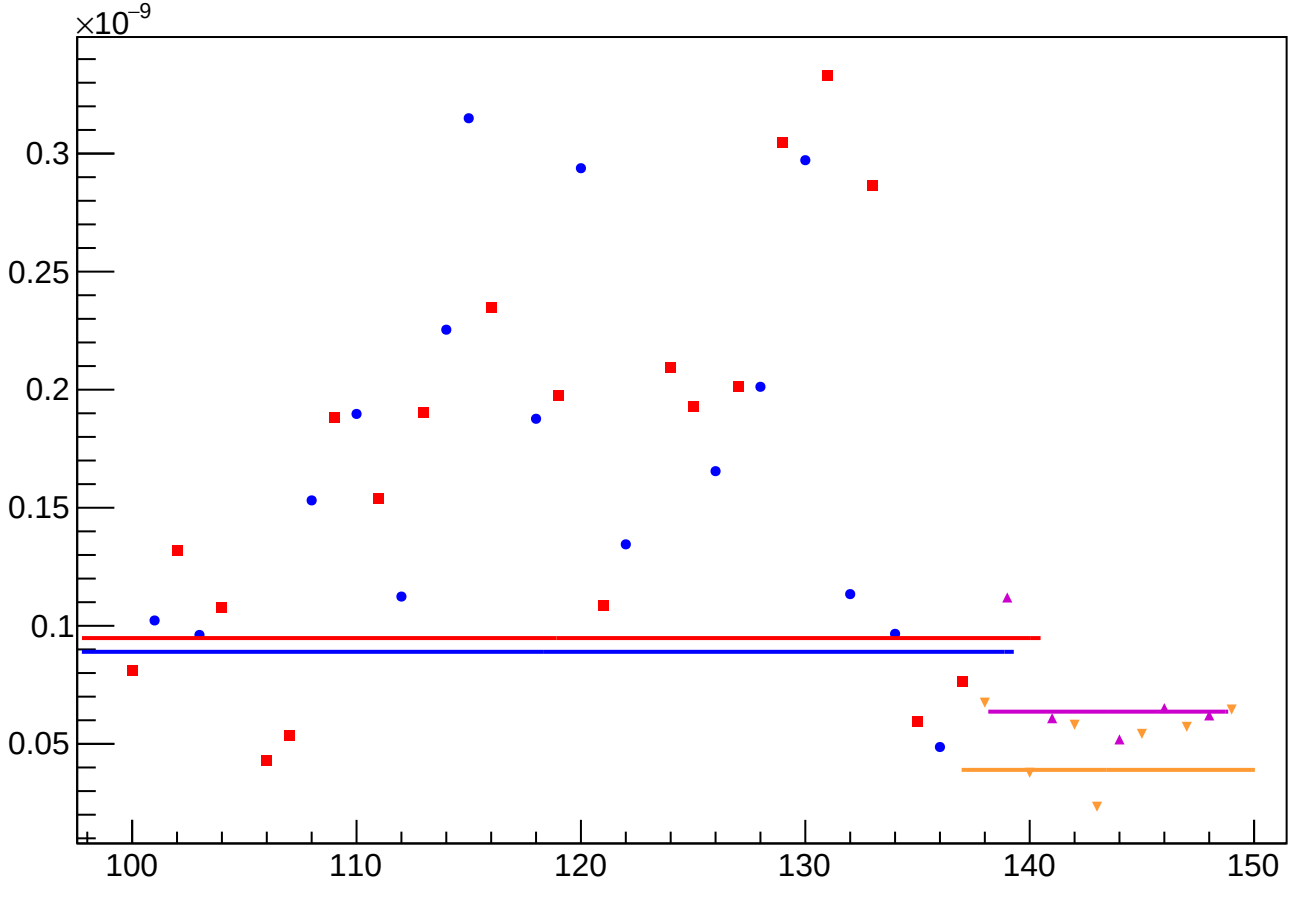
Left: -0.000+/-0.000 χ^2/NDF: 11.3/11

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:25.3/25

All: 0.000+/-0.000 χ^2/NDF: 45.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:618005.8/6

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: 1233032.1/11

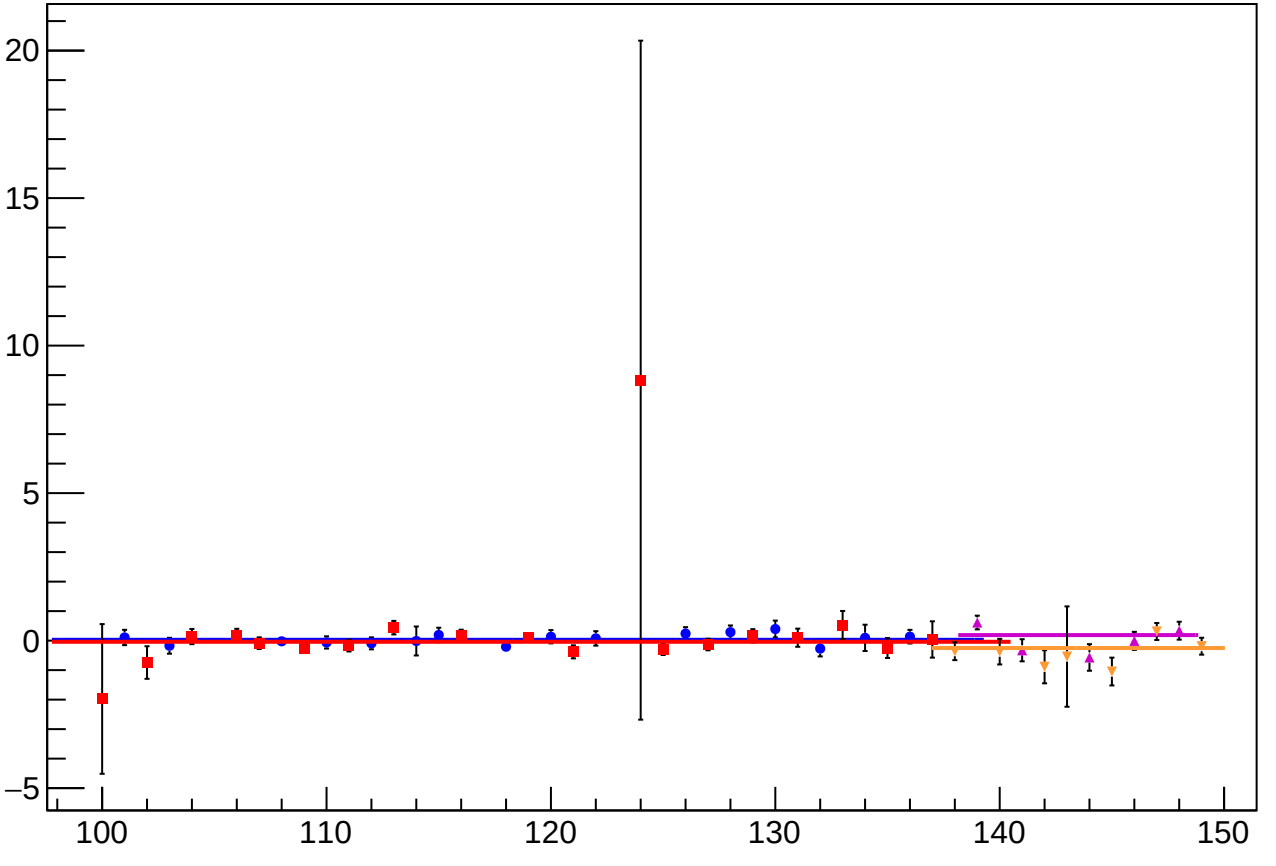
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1920085.4/20

Out: 0.000+/-0.000 χ^2/NDF:3602876.2/25

All: 0.000+/-0.000 χ^2/NDF: 6101862.4/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

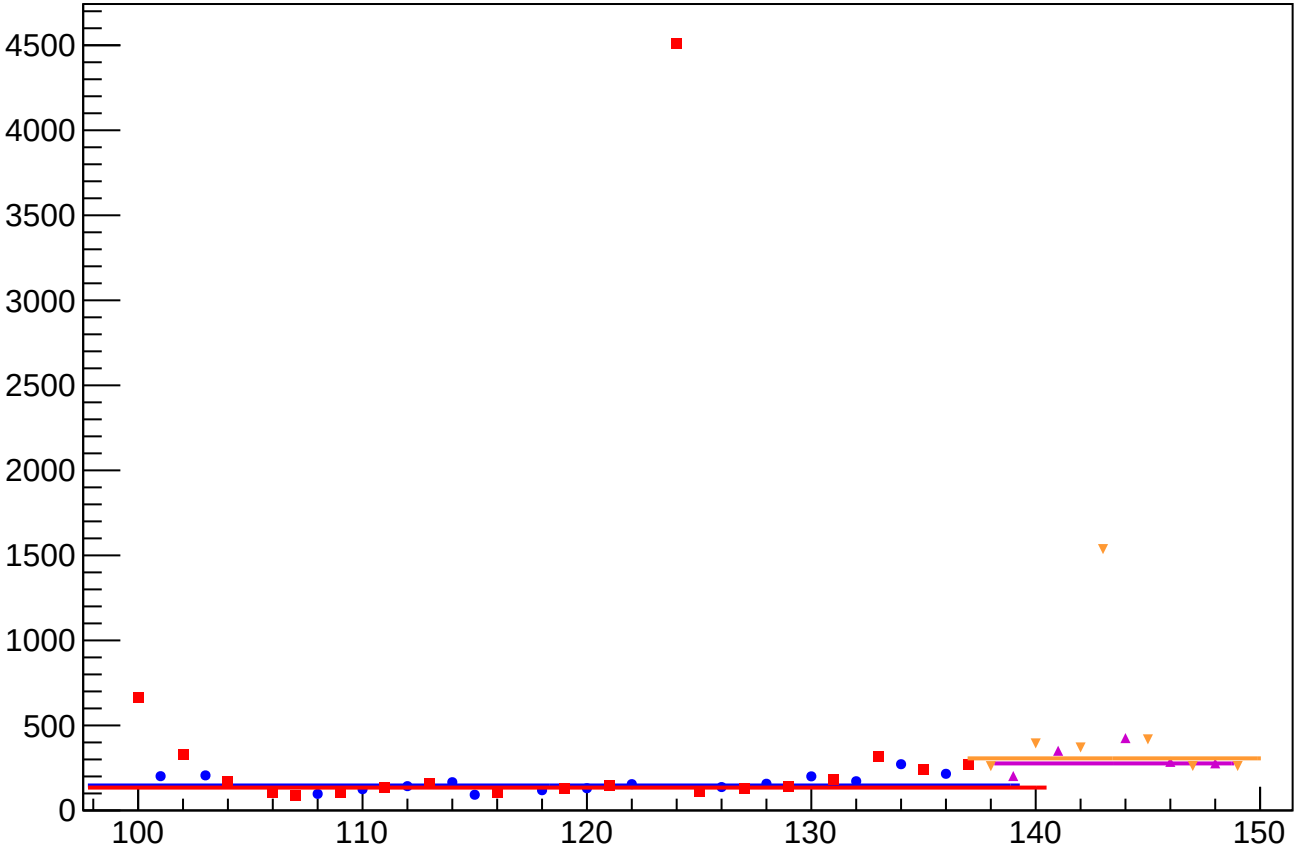
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

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: 290.974+/-0.070 χ^2/NDF: 1958256.3/11

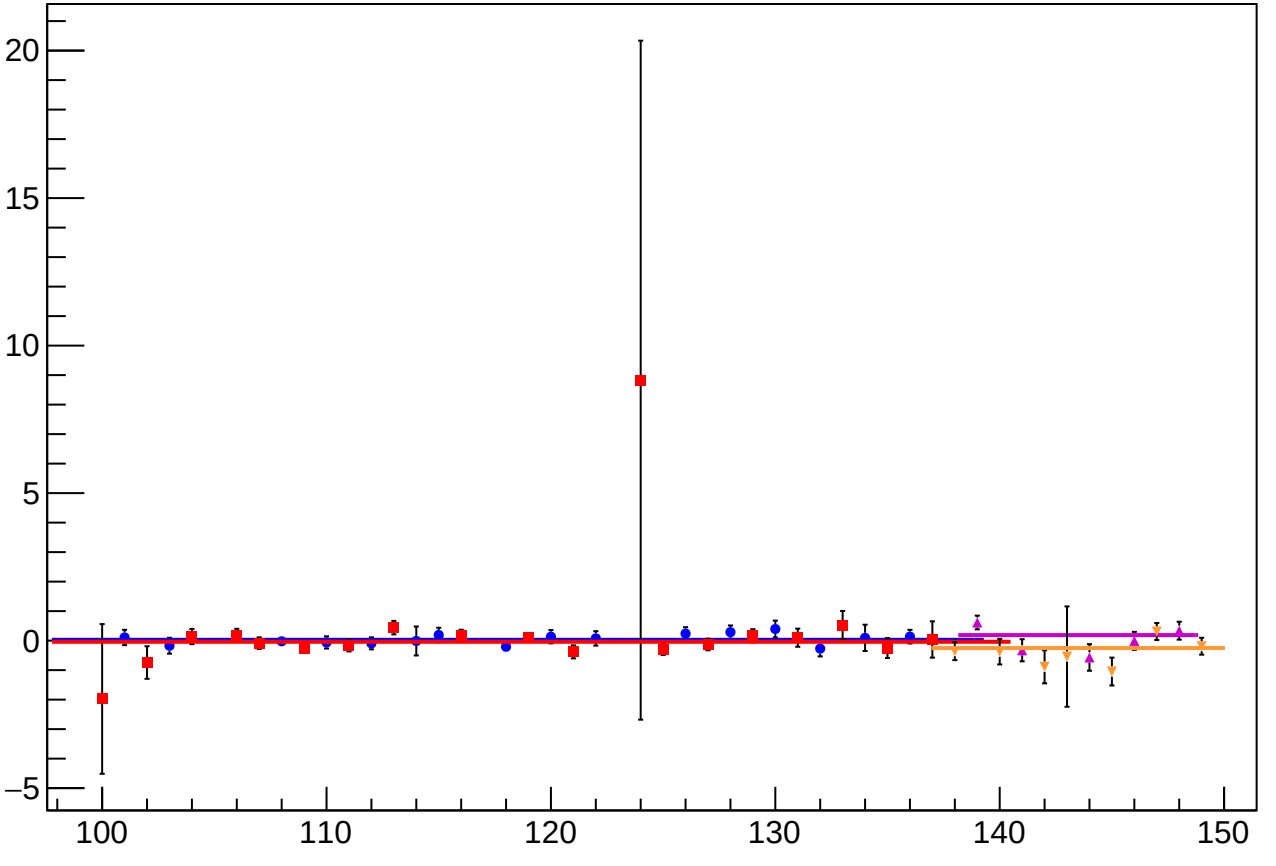
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 156.362+/-0.036 χ^2/NDF:5521893.5/25

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

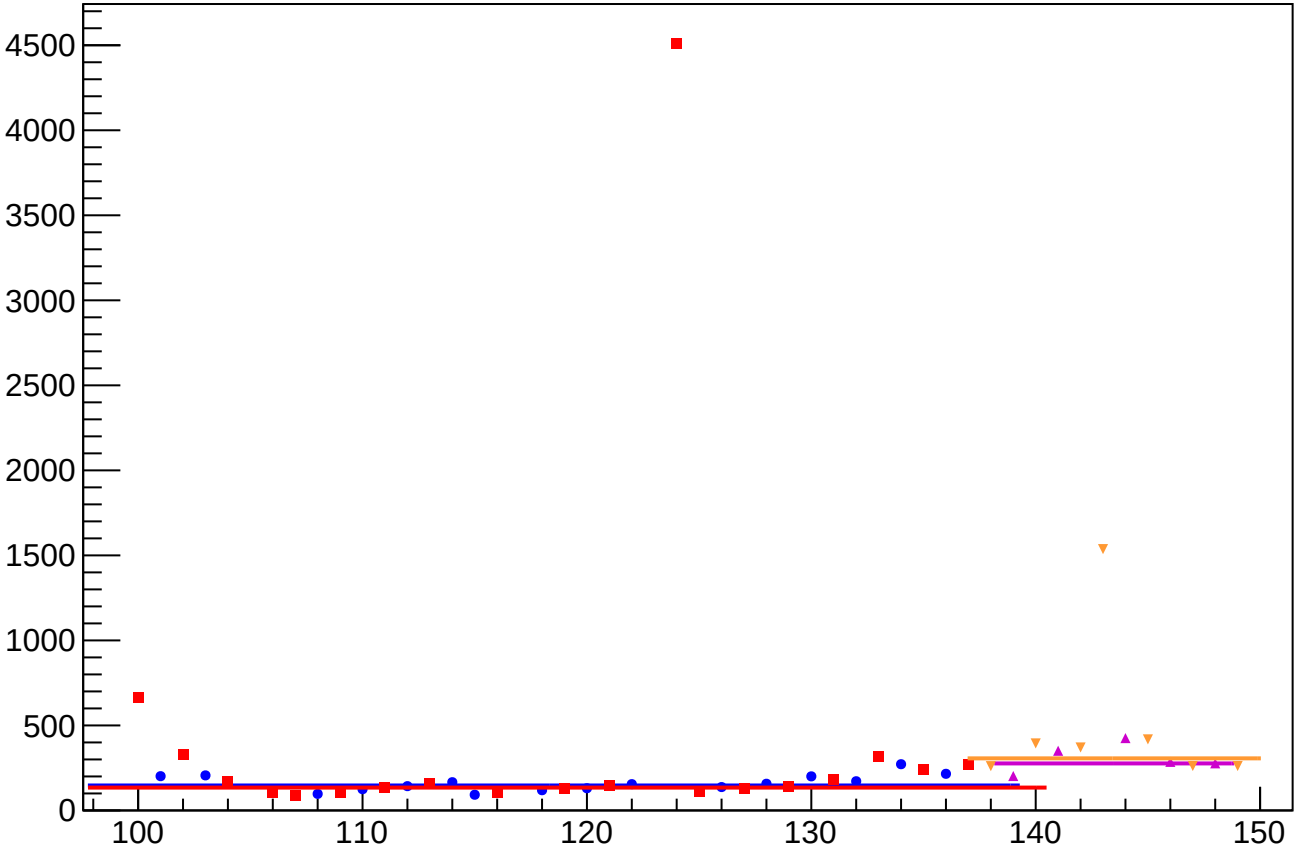
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.608+/-0.098 χ^2/NDF:502095.0/4

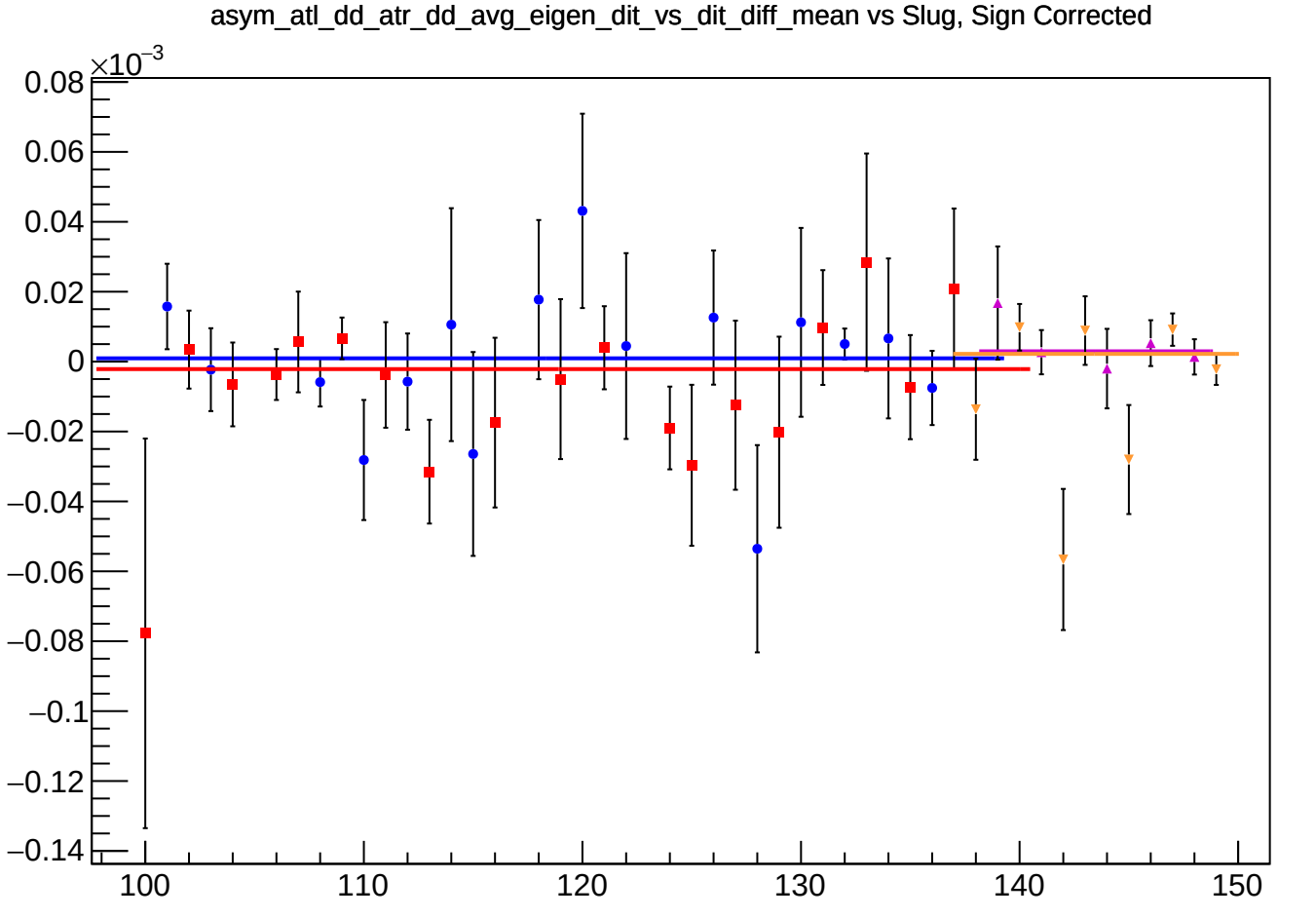
Left: 290.974+/-0.070 χ^2/NDF: 1958256.3/11

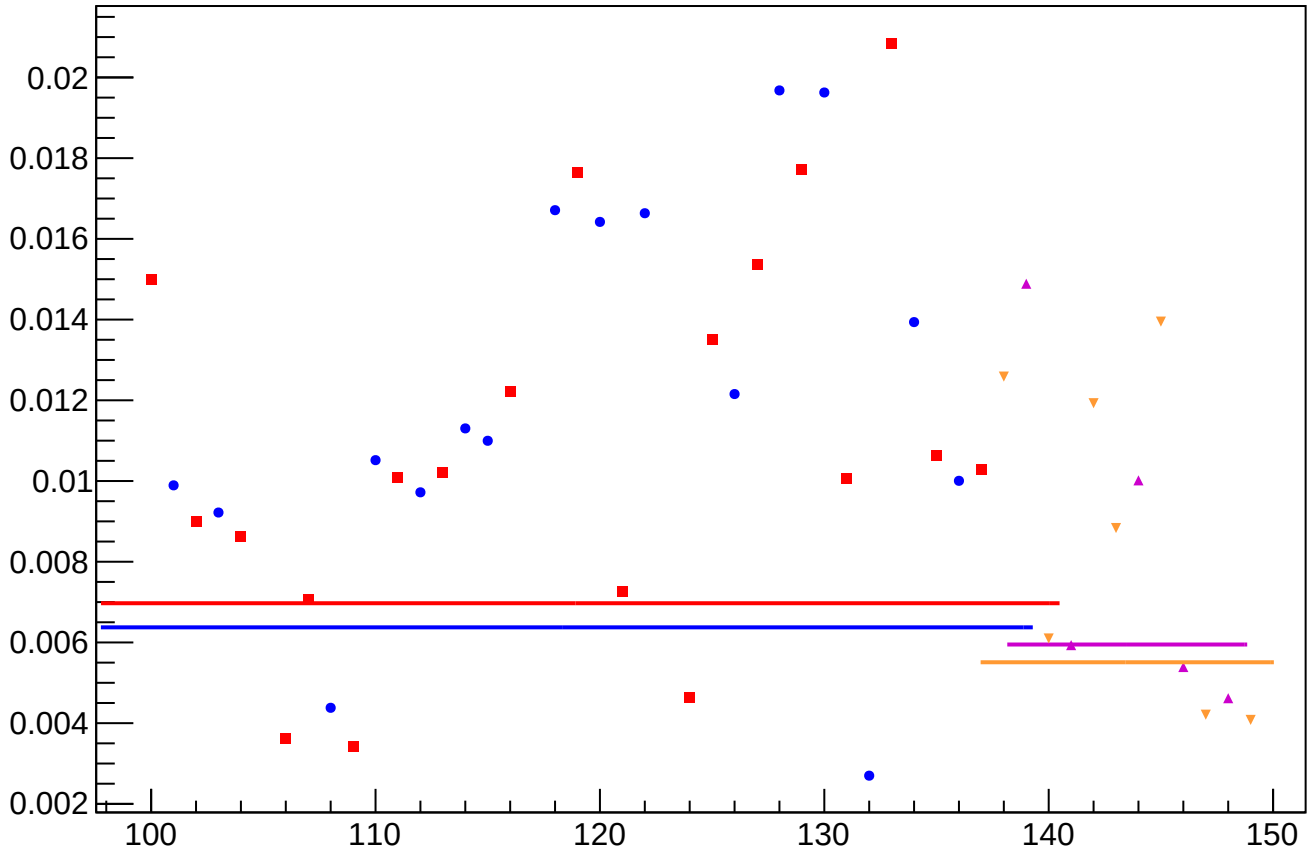
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 156.362+/-0.036 χ^2/NDF:5521893.5/25

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:18.4/6
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: 19.6/11
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:35.6/25
All: 0.000+/-0.000 χ²/NDF: 52.2/46



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1875056.5/6

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: 2915744.7/11

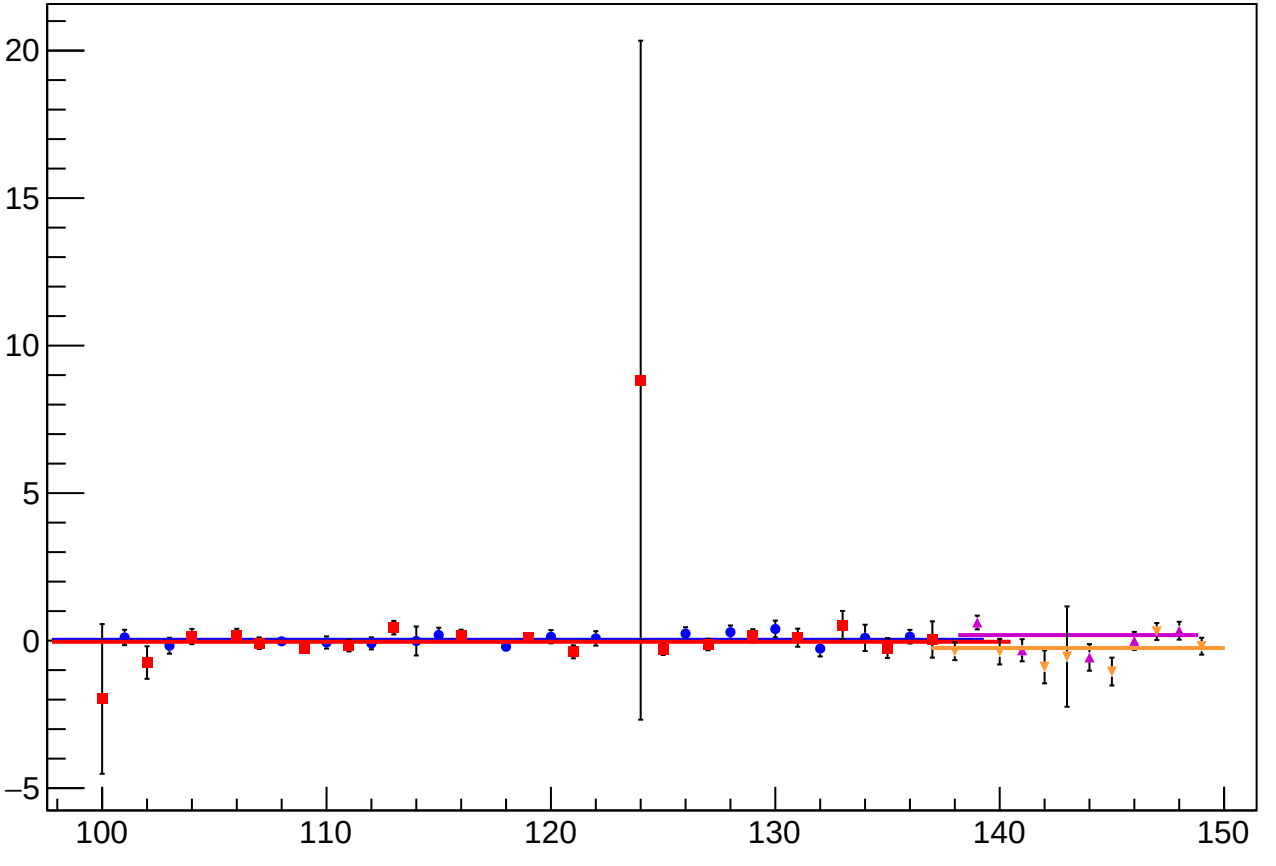
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5677353.4/20

Out: 0.006+/-0.000 χ^2/NDF:5549528.4/25

All: 0.006+/-0.000 χ^2/NDF: 11227072.9/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

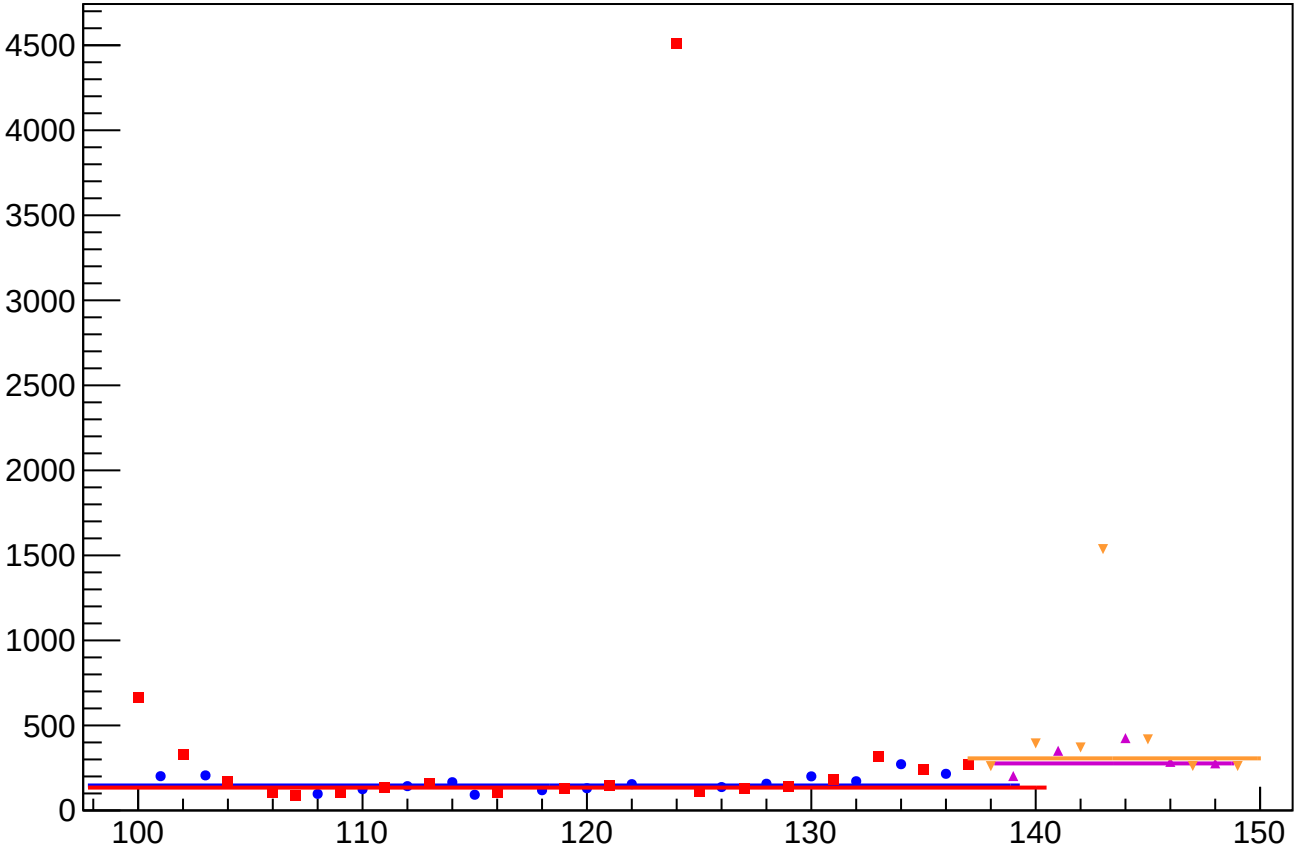
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

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: 290.978+/-0.070 χ^2/NDF: 1958233.2/11

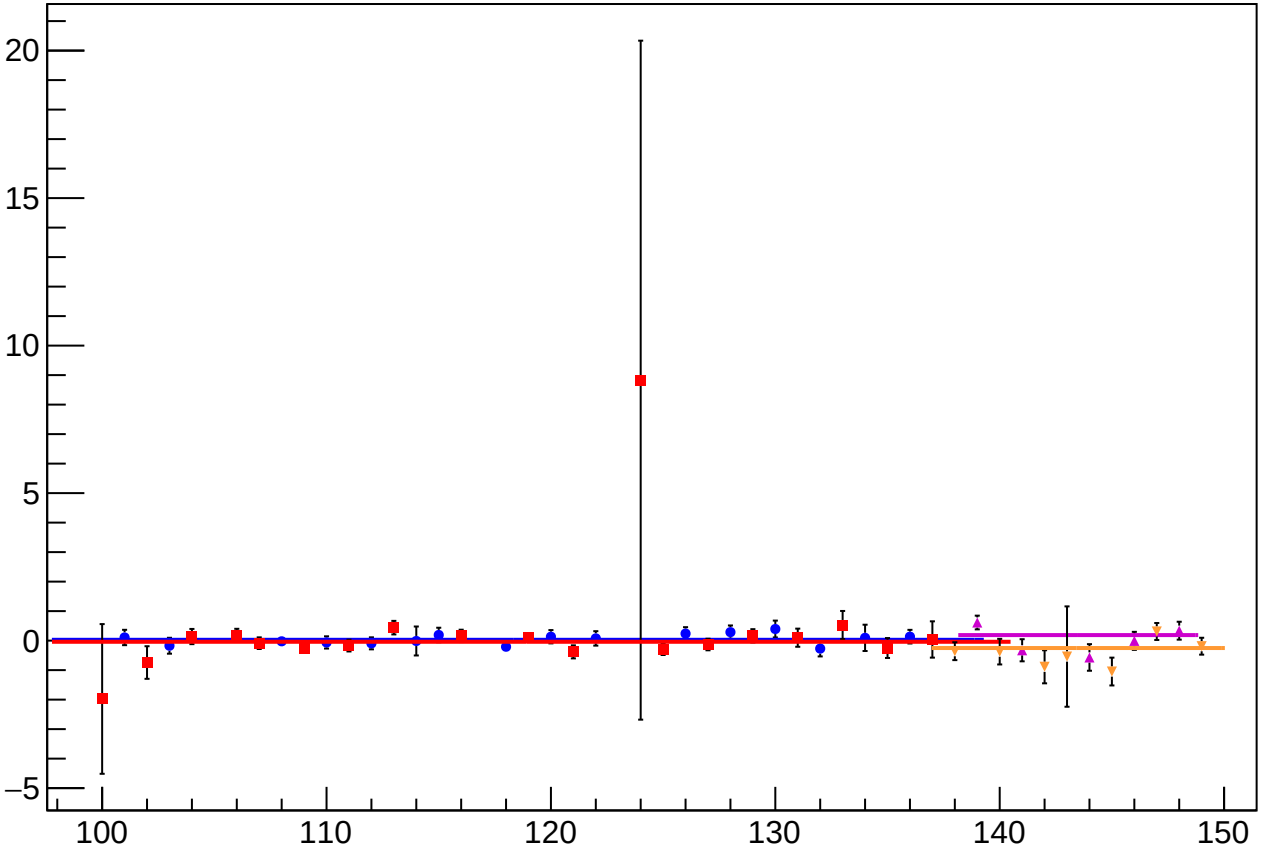
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 156.363+/-0.036 χ^2/NDF:5521828.6/25

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

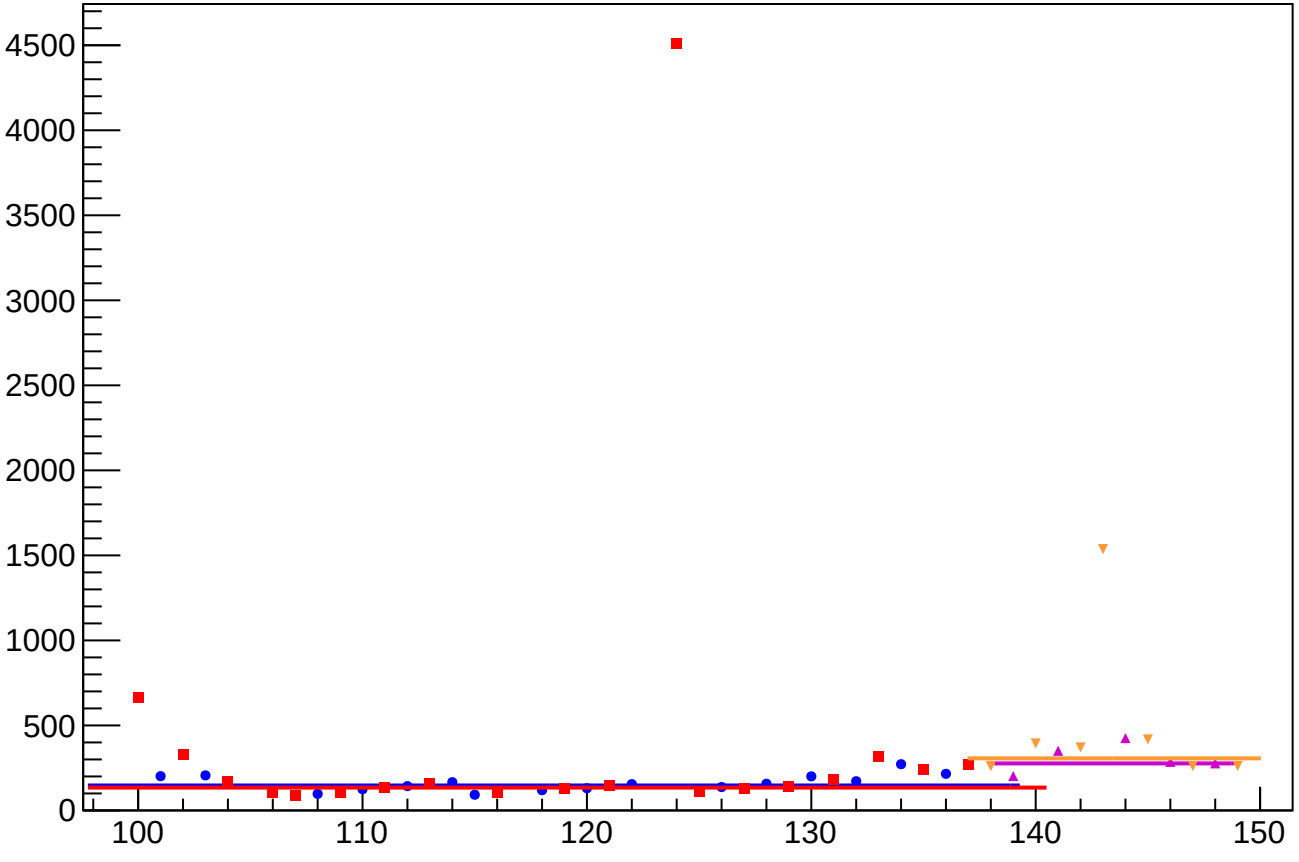
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

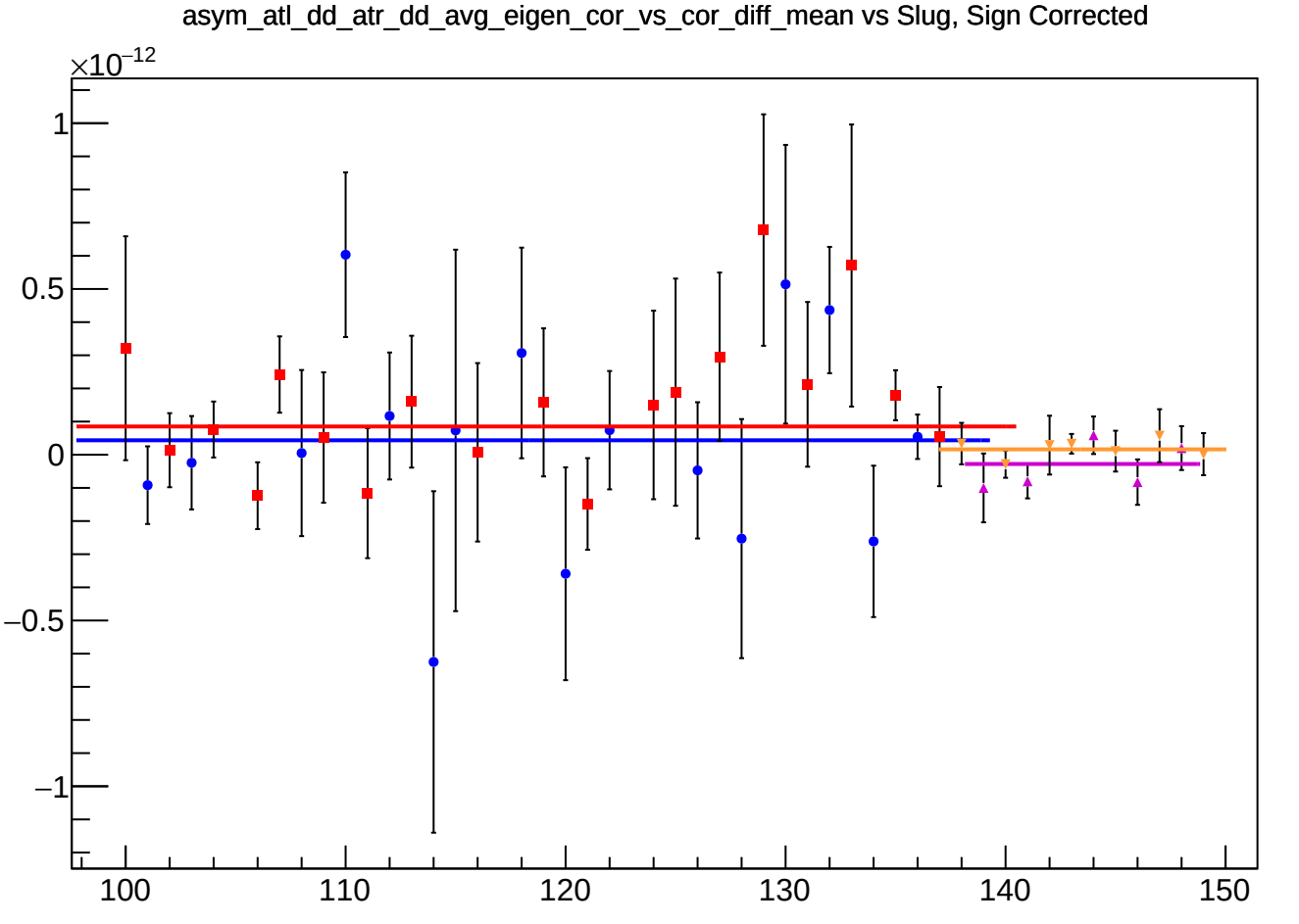
Left: 290.978+/-0.070 χ^2/NDF: 1958233.2/11

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 156.363+/-0.036 χ^2/NDF:5521828.6/25

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

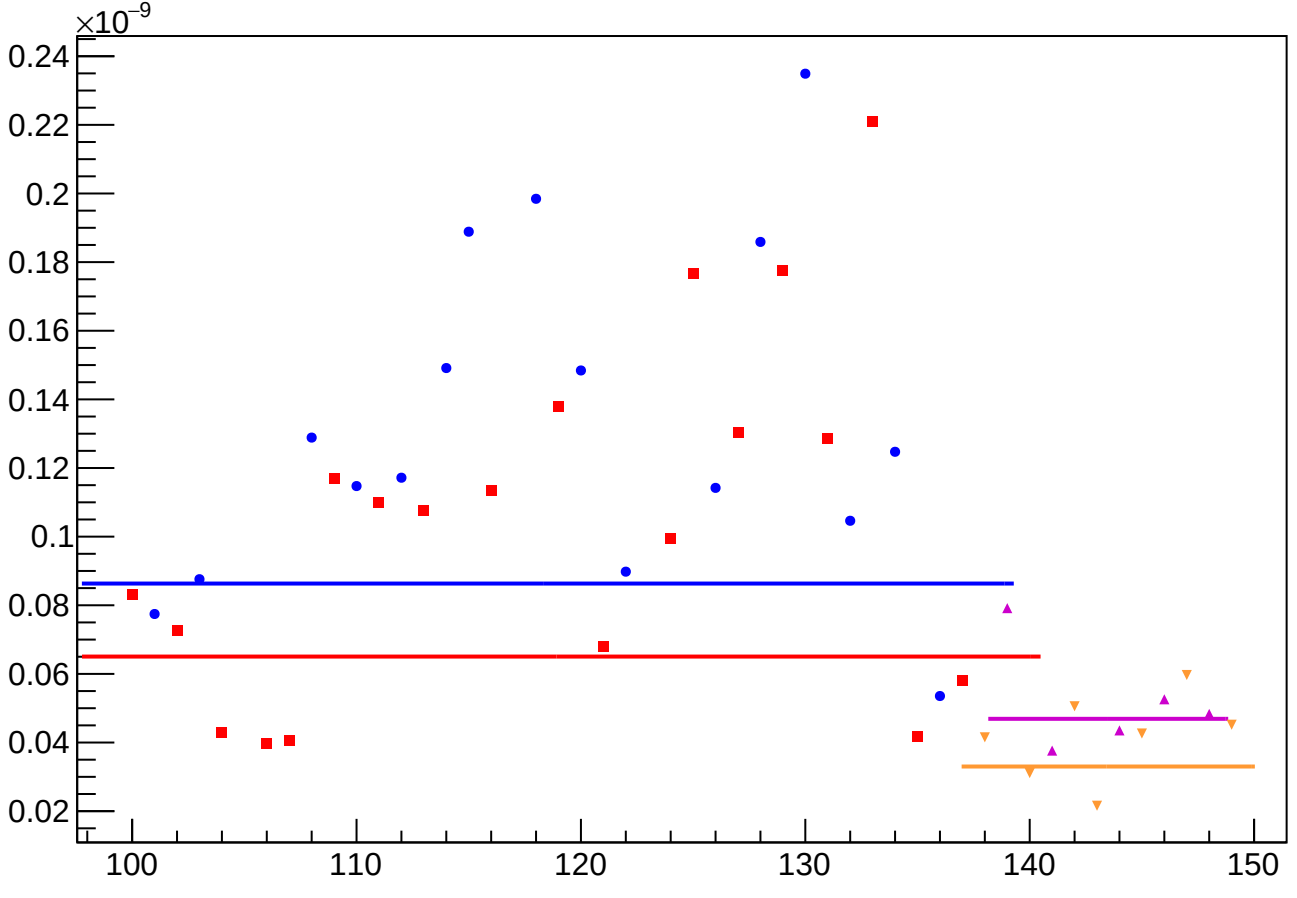
Left: 0.000+/-0.000 χ^2/NDF: 8.6/11

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:23.3/25

All: 0.000+/-0.000 χ^2/NDF: 50.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:762500.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

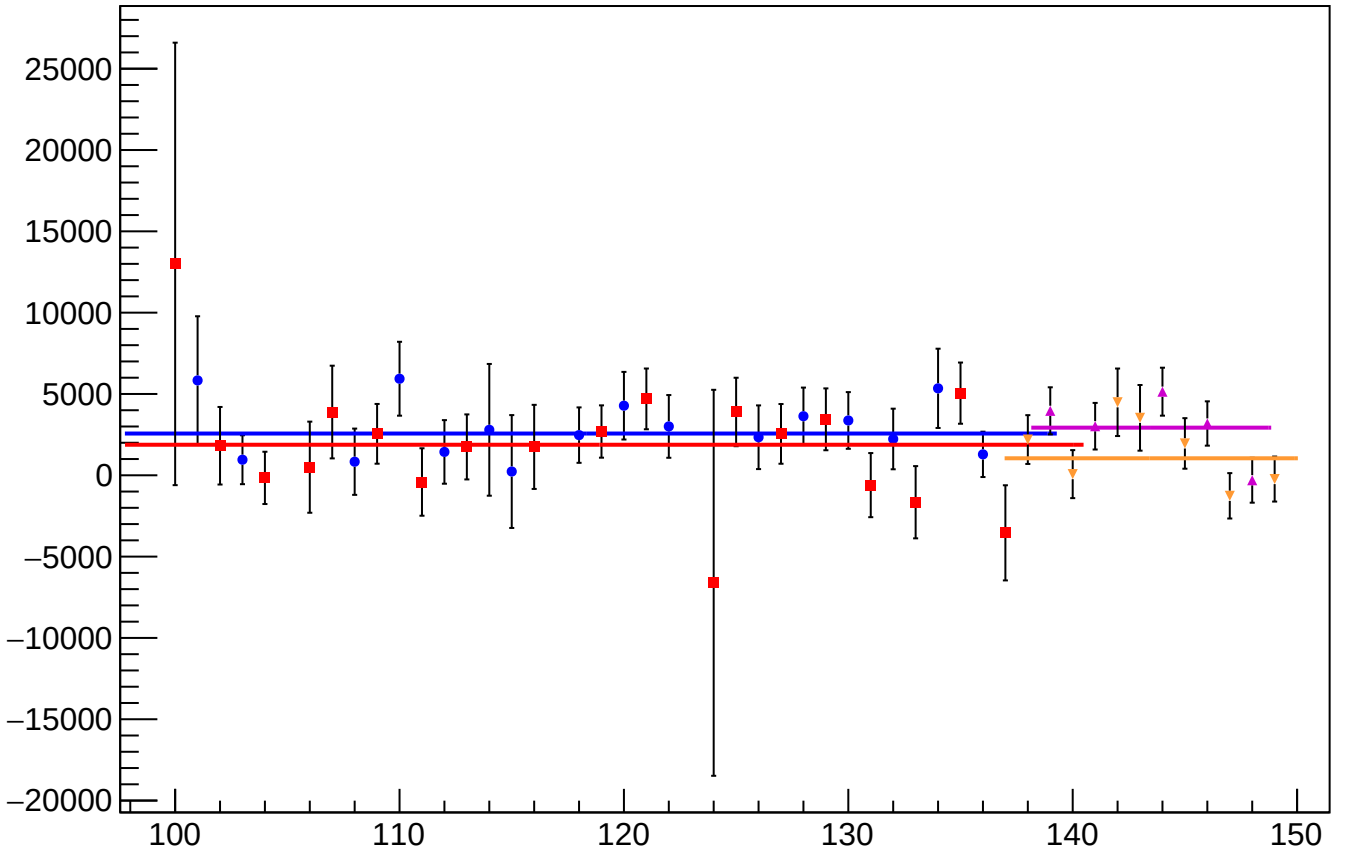
Left: 0.000+/-0.000 χ^2/NDF: 1370136.3/11

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:4262877.3/25

All: 0.000+/-0.000 χ^2/NDF: 8105496.8/46



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1045.773+/-594.385 χ^2/NDF:9.2/6

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2928.758+/-634.003 χ^2/NDF:8.3/4

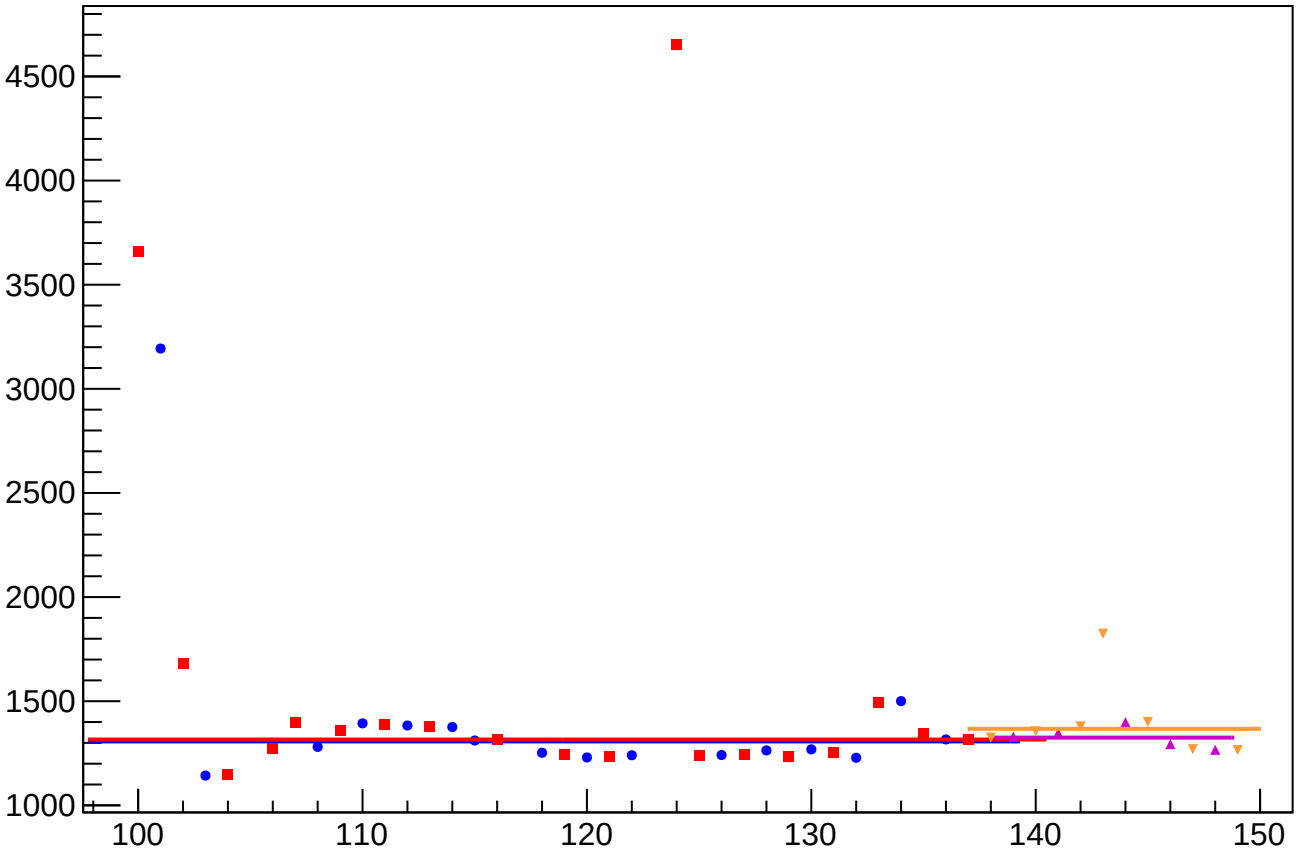
Left: 1926.599+/-433.623 χ^2/NDF: 22.2/11

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2704.415+/-390.344 χ^2/NDF:17.5/20

Out: 1537.430+/-380.243 χ^2/NDF:29.9/25

All: 2105.628+/-272.373 χ^2/NDF: 52.0/46



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1367.518+/-0.420 χ^2/NDF:125768.0/6

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: 1347.694+/-0.307 χ^2/NDF: 140657.6/11

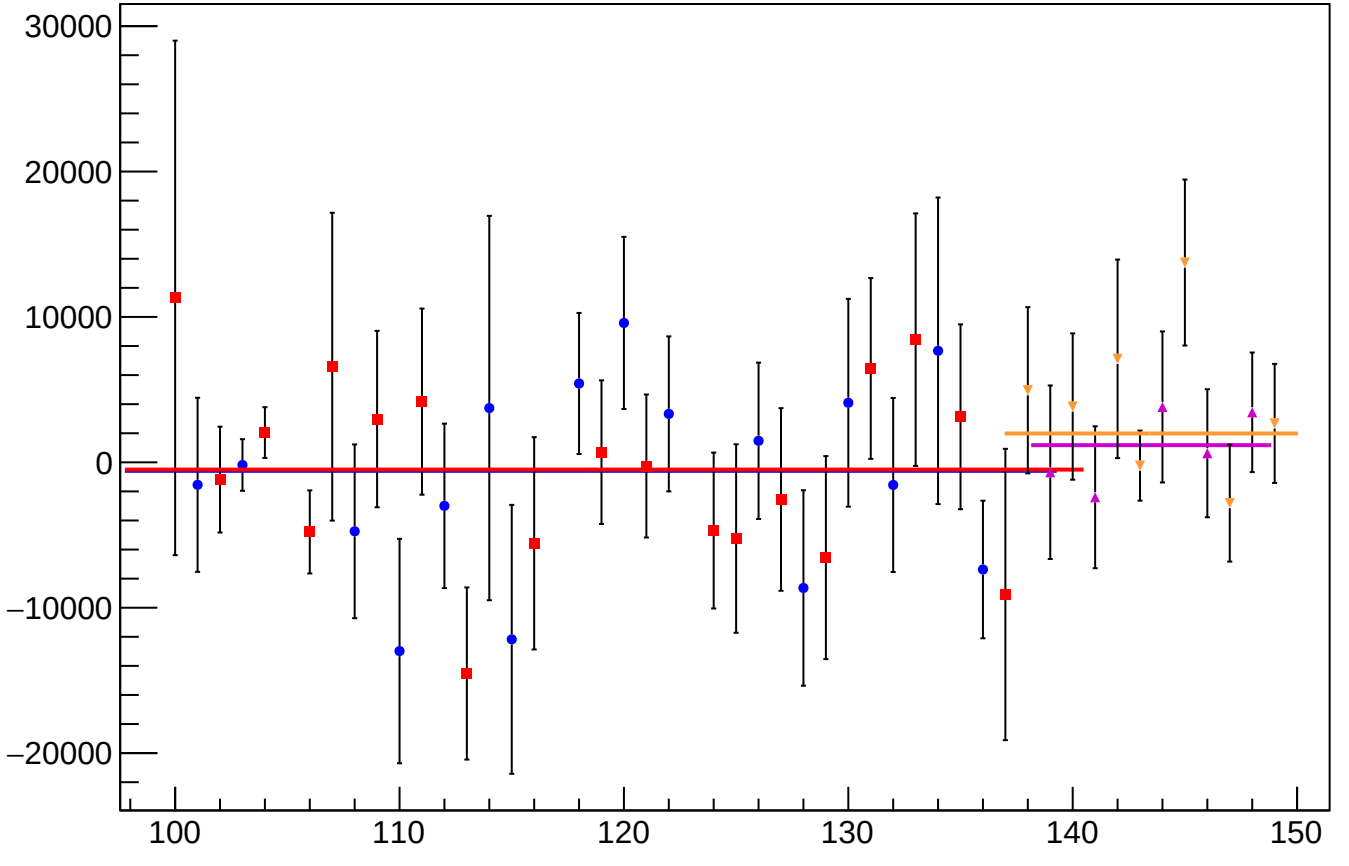
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1313.918+/-0.276 χ^2/NDF:527391.7/20

Out: 1337.016+/-0.268 χ^2/NDF:461084.0/25

All: 1325.788+/-0.192 χ^2/NDF: 992074.4/46

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: 1984.768+/-1550.762 χ^2/NDF:7.5/6

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1179.065+/-2142.497 χ^2/NDF:1.2/4

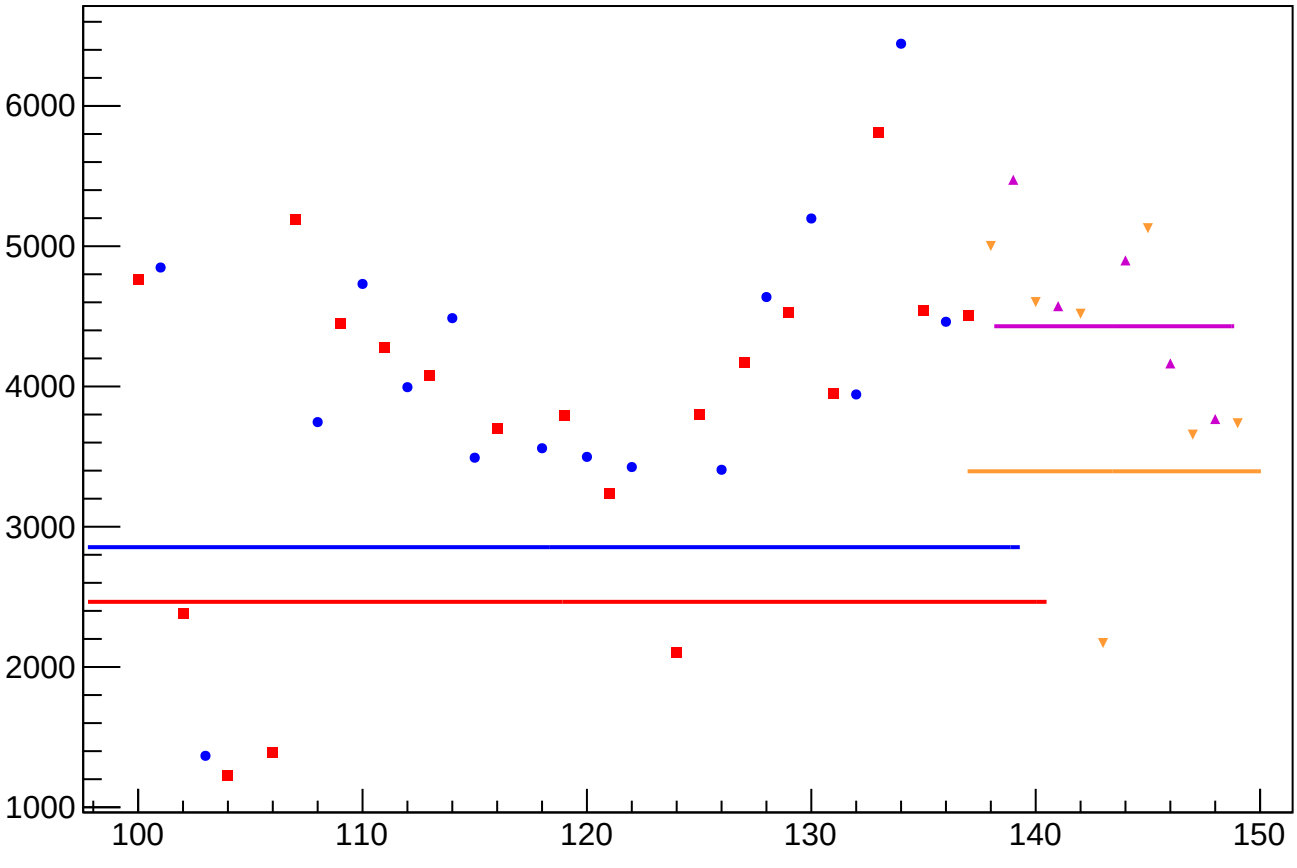
Left: 1707.775+/-1256.223 χ^2/NDF: 8.8/11

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -165.115+/-1042.214 χ^2/NDF:16.5/20

Out: 286.531+/-872.527 χ^2/NDF:27.0/25

All: 100.422+/-669.024 χ^2/NDF: 43.5/46



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3395.258+/-1.097 χ^2/NDF:1050043.8/6

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4429.419+/-1.515 χ^2/NDF:138294.0/4

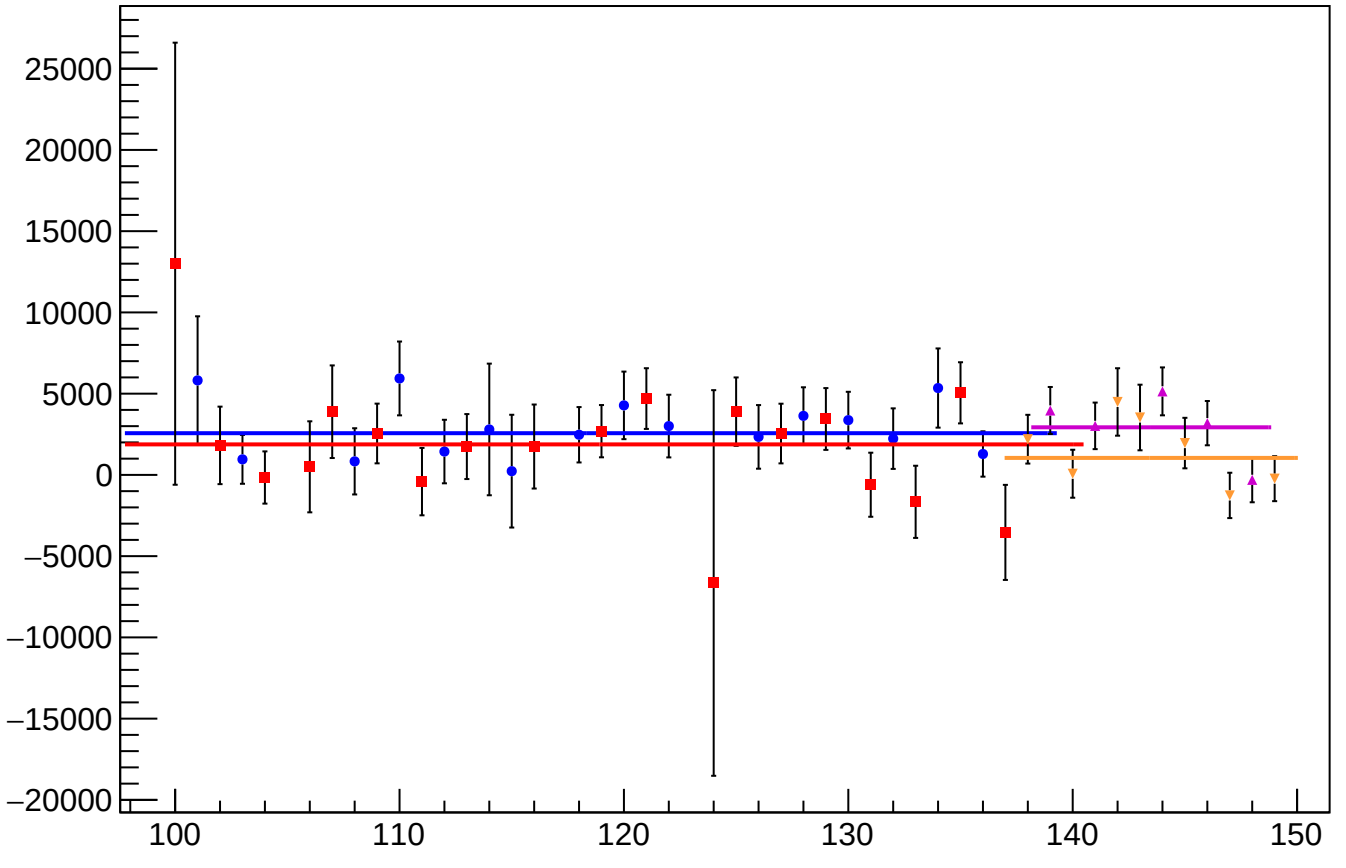
Left: 3750.792+/-0.888 χ^2/NDF: 1494117.7/11

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3227.024+/-0.737 χ^2/NDF:3868299.4/20

Out: 2759.212+/-0.617 χ^2/NDF:4898281.3/25

All: 2951.982+/-0.473 χ^2/NDF: 9003491.5/46



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1045.704+/-594.385 χ^2/NDF:9.2/6

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2928.998+/-634.003 χ^2/NDF:8.3/4

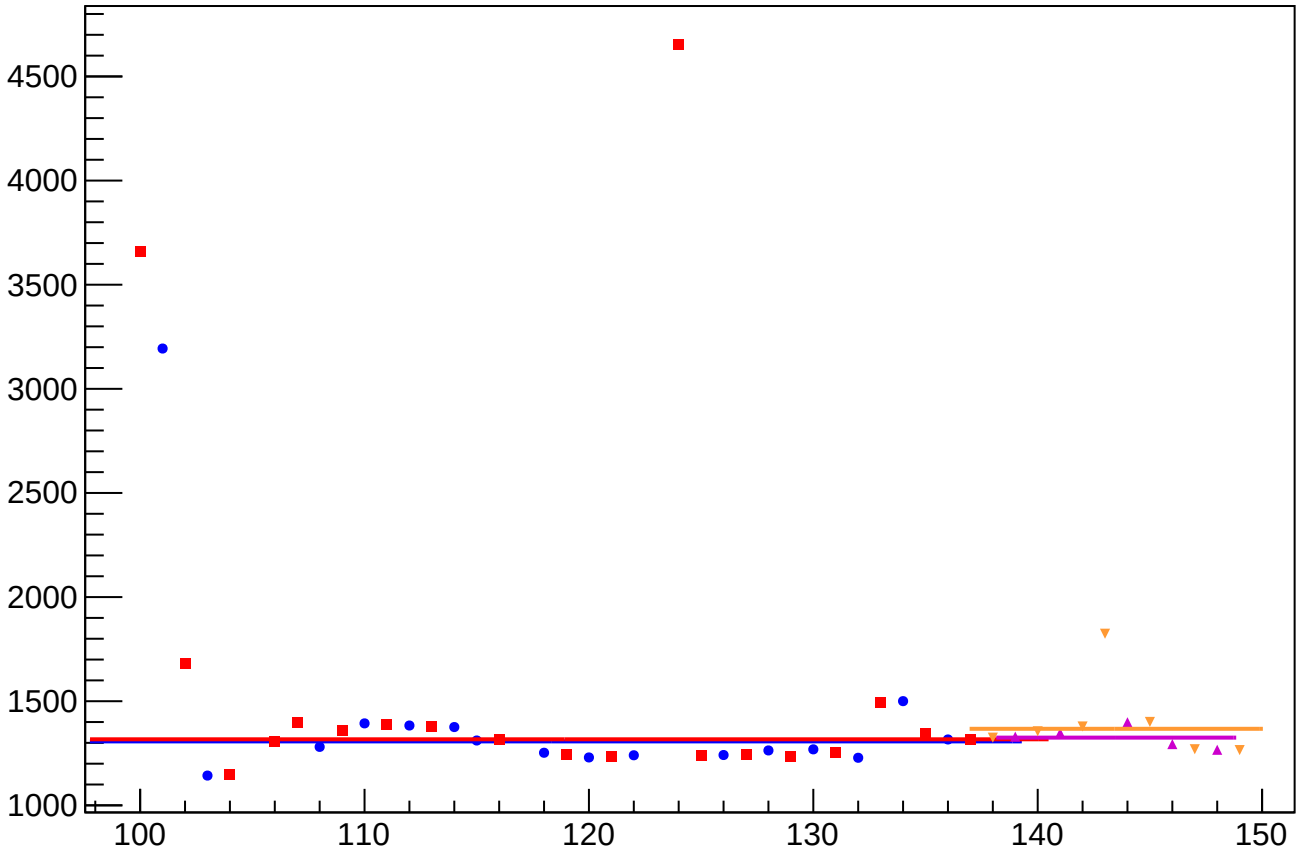
Left: 1926.674+/-433.623 χ^2/NDF: 22.2/11

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2704.333+/-390.344 χ^2/NDF:17.5/20

Out: 1537.250+/-380.243 χ^2/NDF:29.9/25

All: 2105.495+/-272.374 χ^2/NDF: 52.0/46



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1367.518+/-0.420 χ^2/NDF:125768.0/6

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: 1347.694+/-0.307 χ^2/NDF: 140657.6/11

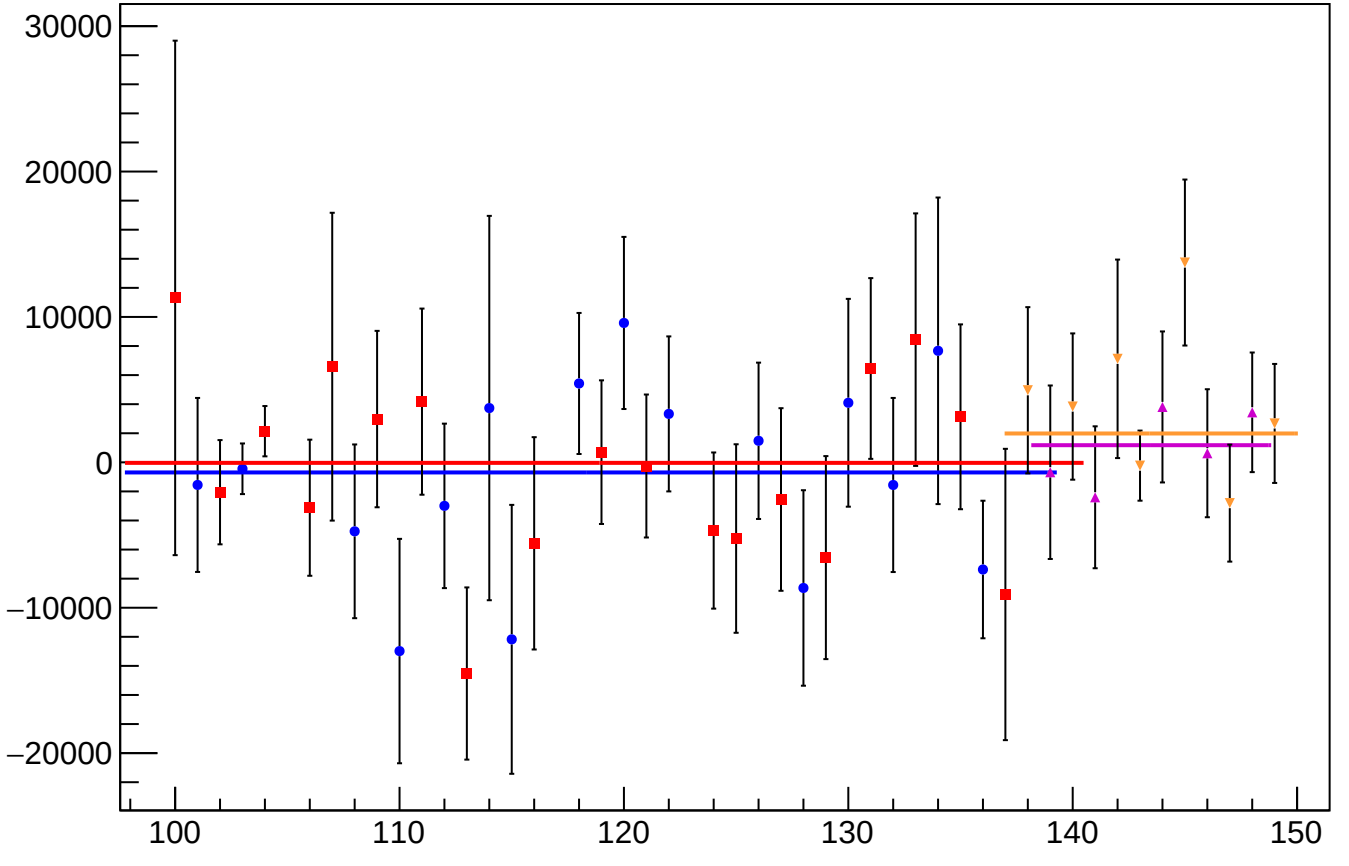
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.918+/-0.276 χ^2/NDF:527393.3/20

Out: 1337.704+/-0.269 χ^2/NDF:460199.5/25

All: 1326.136+/-0.192 χ^2/NDF: 991407.3/46

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1984.716+/-1550.753 χ^2/NDF:7.5/6

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1179.100+/-2142.495 χ^2/NDF:1.2/4

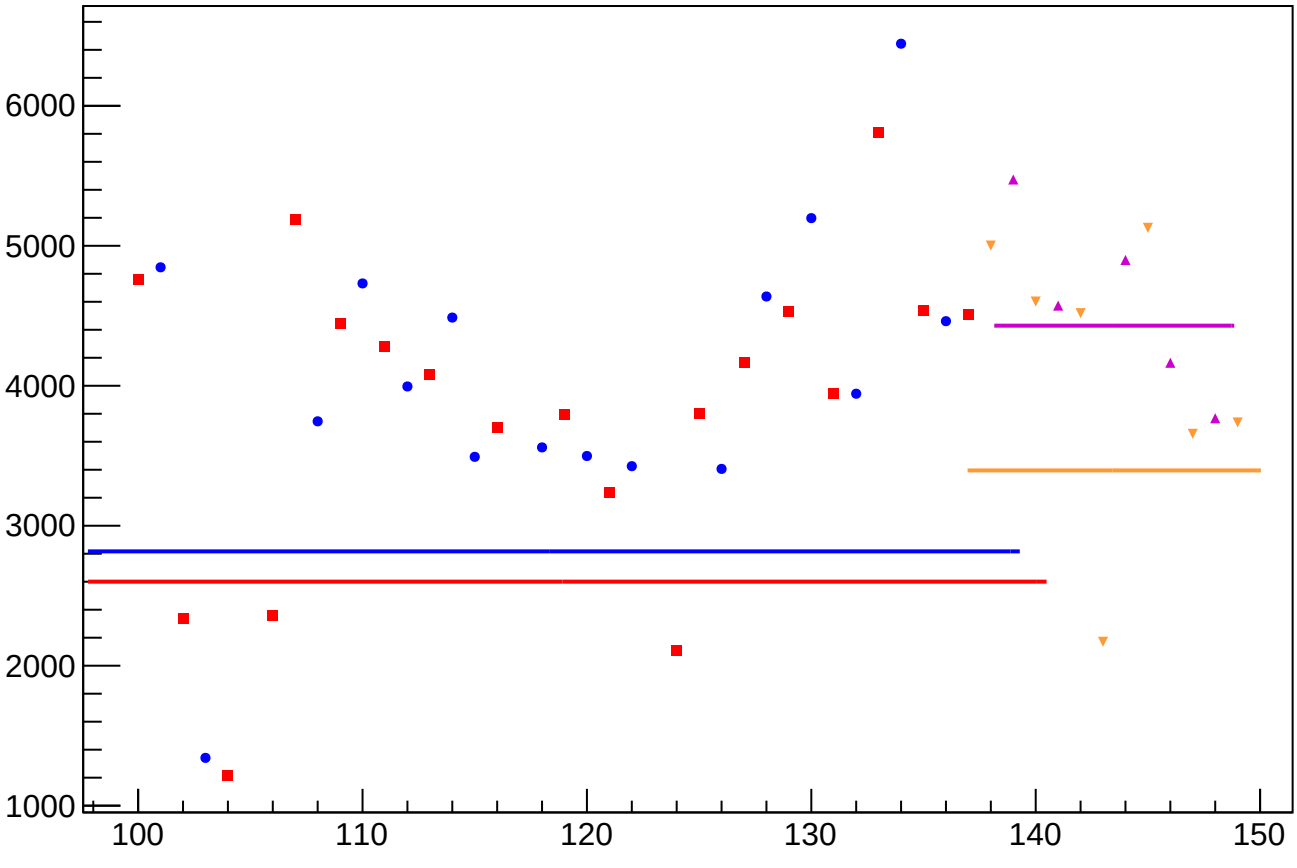
Left: 1707.755+/-1256.217 χ^2/NDF: 8.8/11

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -257.636+/-1035.237 χ^2/NDF:16.5/20

Out: 638.854+/-896.230 χ^2/NDF:24.6/25

All: 254.797+/-677.587 χ^2/NDF: 41.5/46



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3395.230+/-1.097 χ^2/NDF:1050075.9/6

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

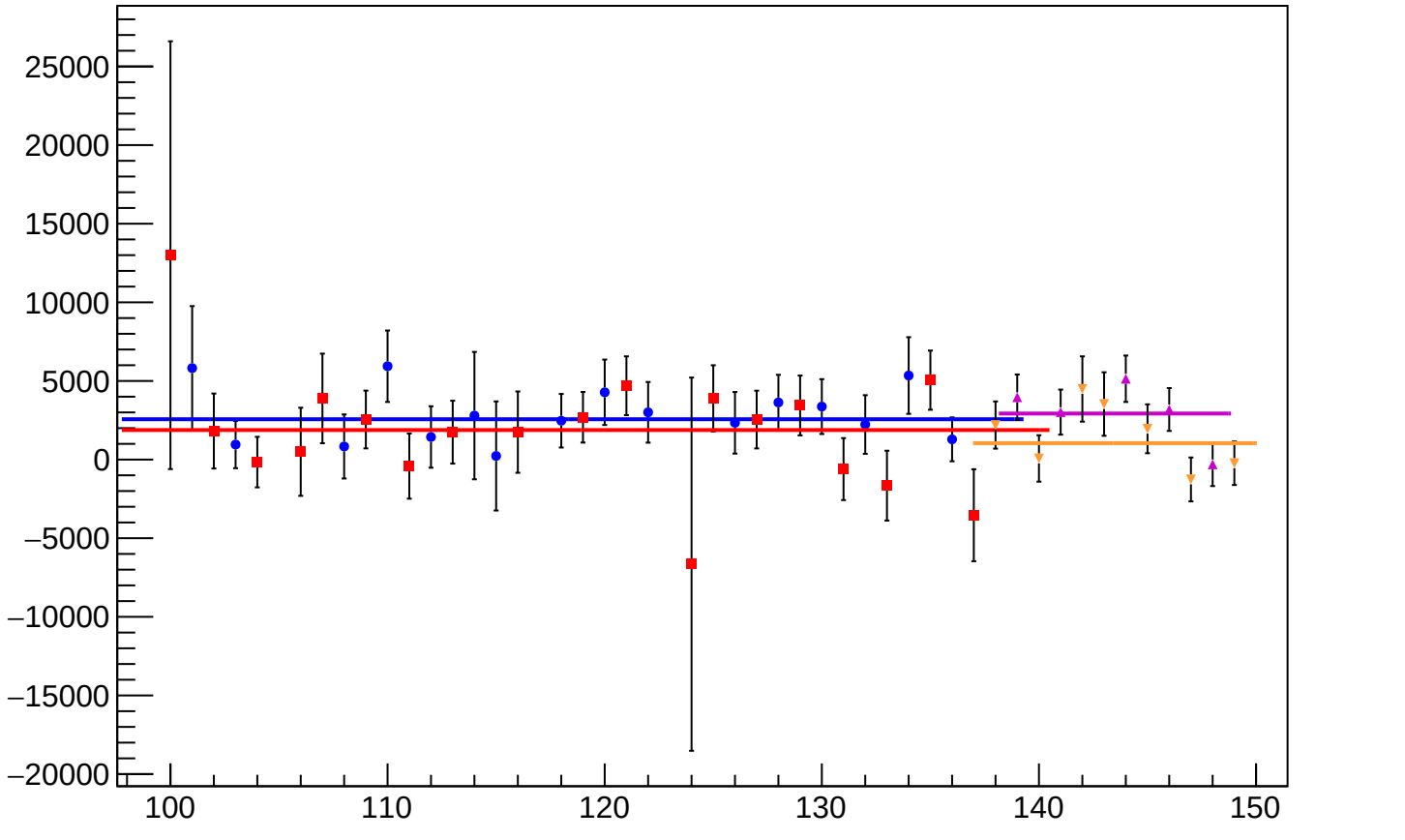
Left: 3750.769+/-0.888 χ^2/NDF: 1494167.5/11

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3193.292+/-0.732 χ^2/NDF:4014399.7/20

Out: 2865.961+/-0.634 χ^2/NDF:4480654.6/25

All: 3006.190+/-0.479 χ^2/NDF: 8609346.8/46



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1045.704+/-594.385 χ^2/NDF:9.2/6

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2928.998+/-634.003 χ^2/NDF:8.3/4

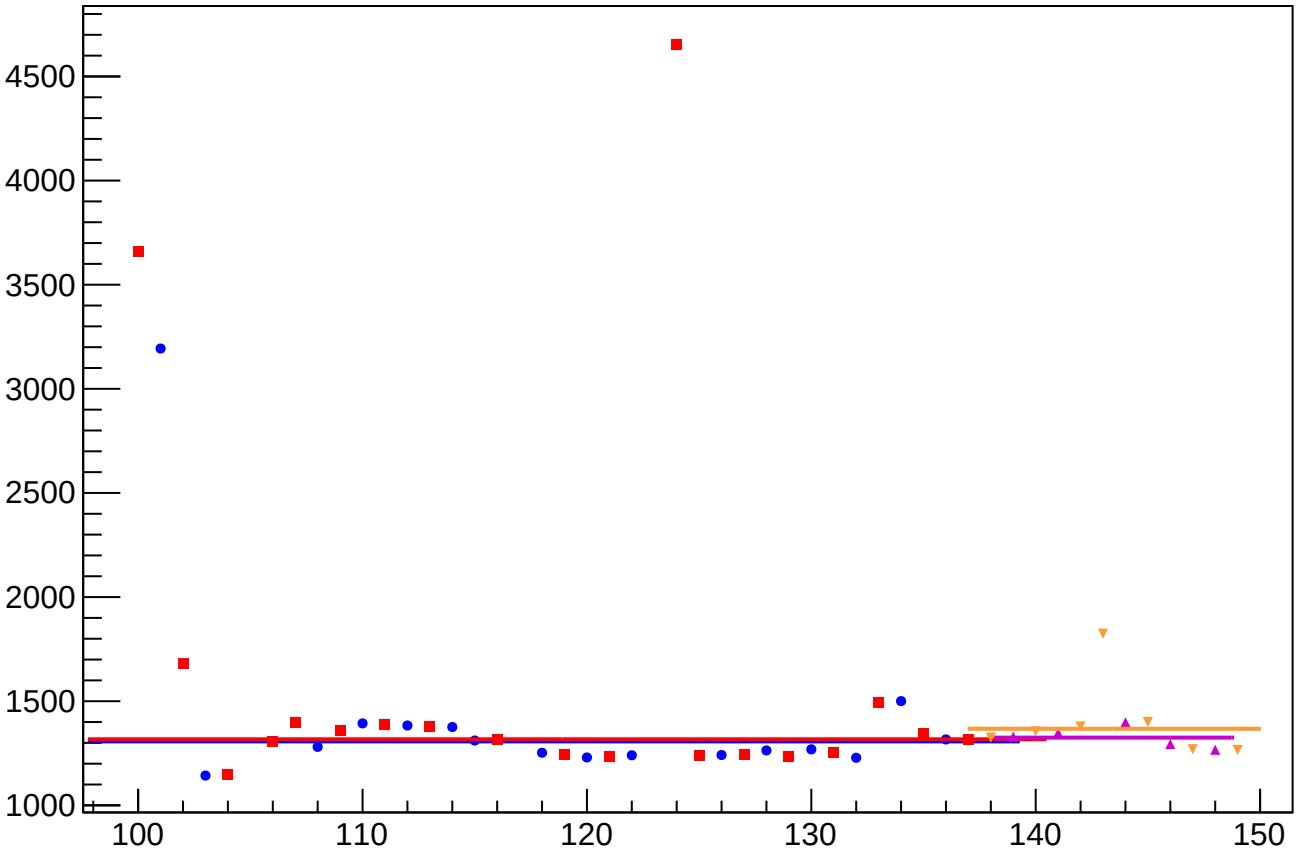
Left: 1926.674+/-433.623 χ^2/NDF: 22.2/11

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2704.333+/-390.344 χ^2/NDF:17.5/20

Out: 1537.250+/-380.243 χ^2/NDF:29.9/25

All: 2105.495+/-272.374 χ^2/NDF: 52.0/46



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1367.518+/-0.420 χ^2/NDF:125768.0/6

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: 1347.694+/-0.307 χ^2/NDF: 140657.6/11

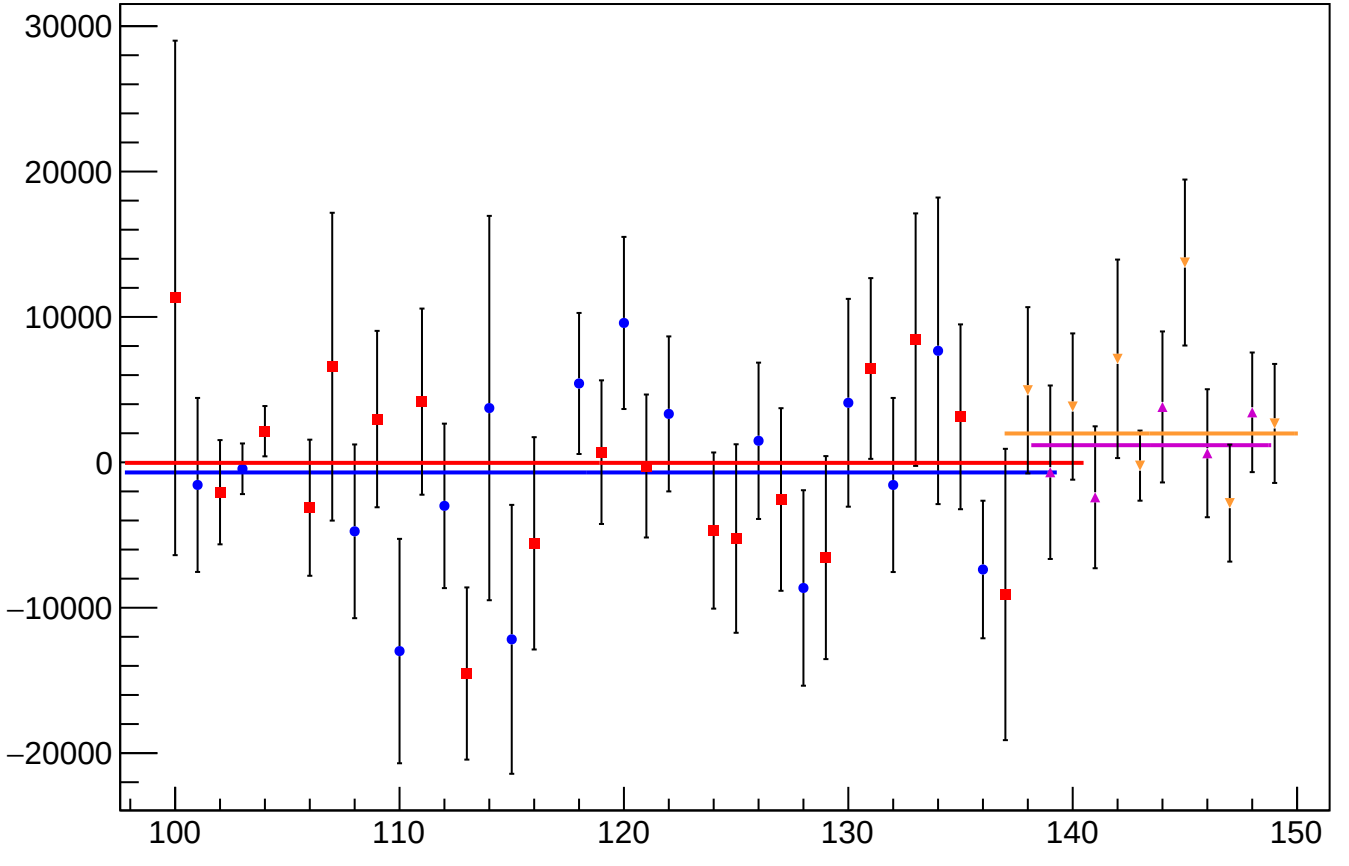
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1313.918+/-0.276 χ^2/NDF:527393.3/20

Out: 1337.704+/-0.269 χ^2/NDF:460199.5/25

All: 1326.136+/-0.192 χ^2/NDF: 991407.3/46

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: 1984.716+/-1550.753 χ^2/NDF:7.5/6

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1179.100+/-2142.495 χ^2/NDF:1.2/4

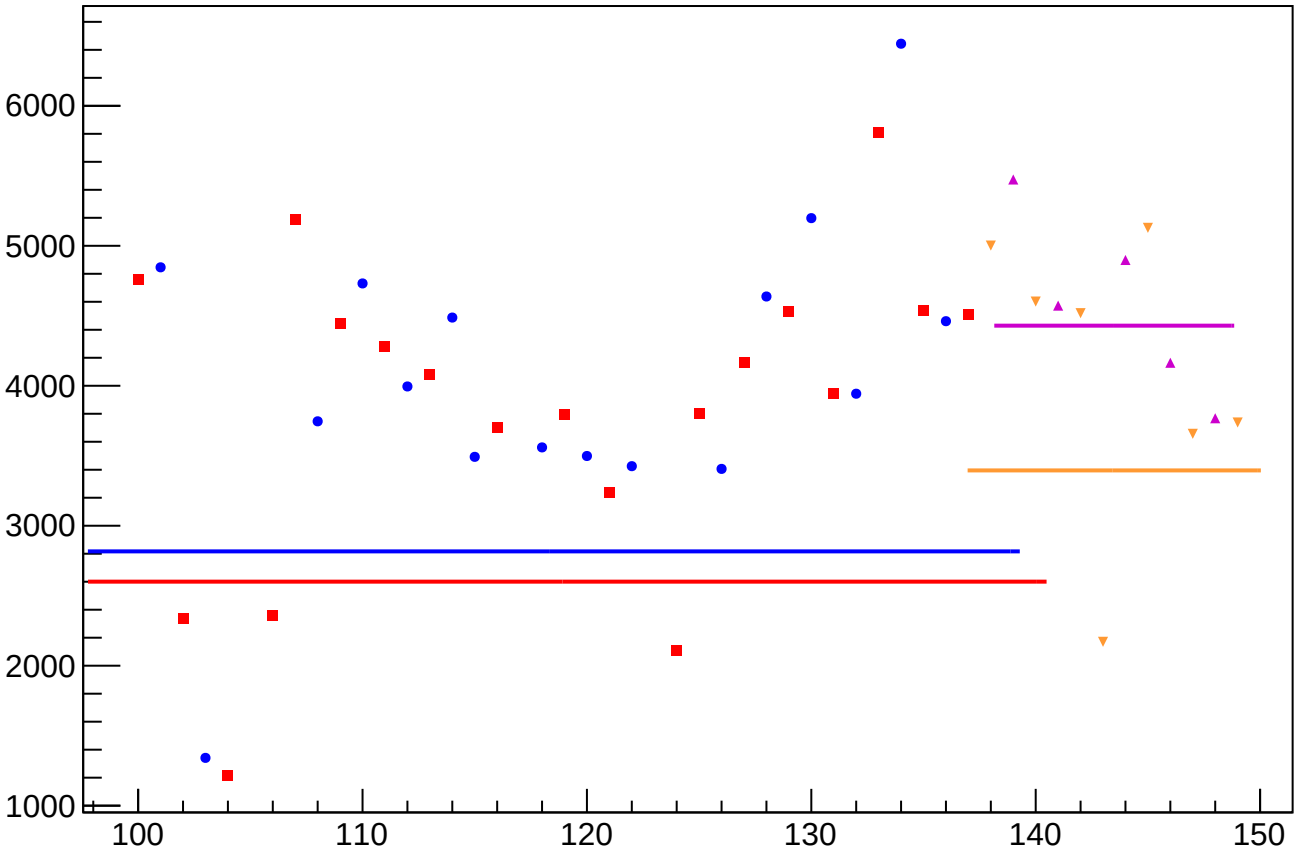
Left: 1707.755+/-1256.217 χ^2/NDF: 8.8/11

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -257.636+/-1035.237 χ^2/NDF:16.5/20

Out: 638.854+/-896.230 χ^2/NDF:24.6/25

All: 254.797+/-677.587 χ^2/NDF: 41.5/46



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3395.230+/-1.097 χ^2/NDF:1050075.9/6

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4429.414+/-1.515 χ^2/NDF:138296.8/4

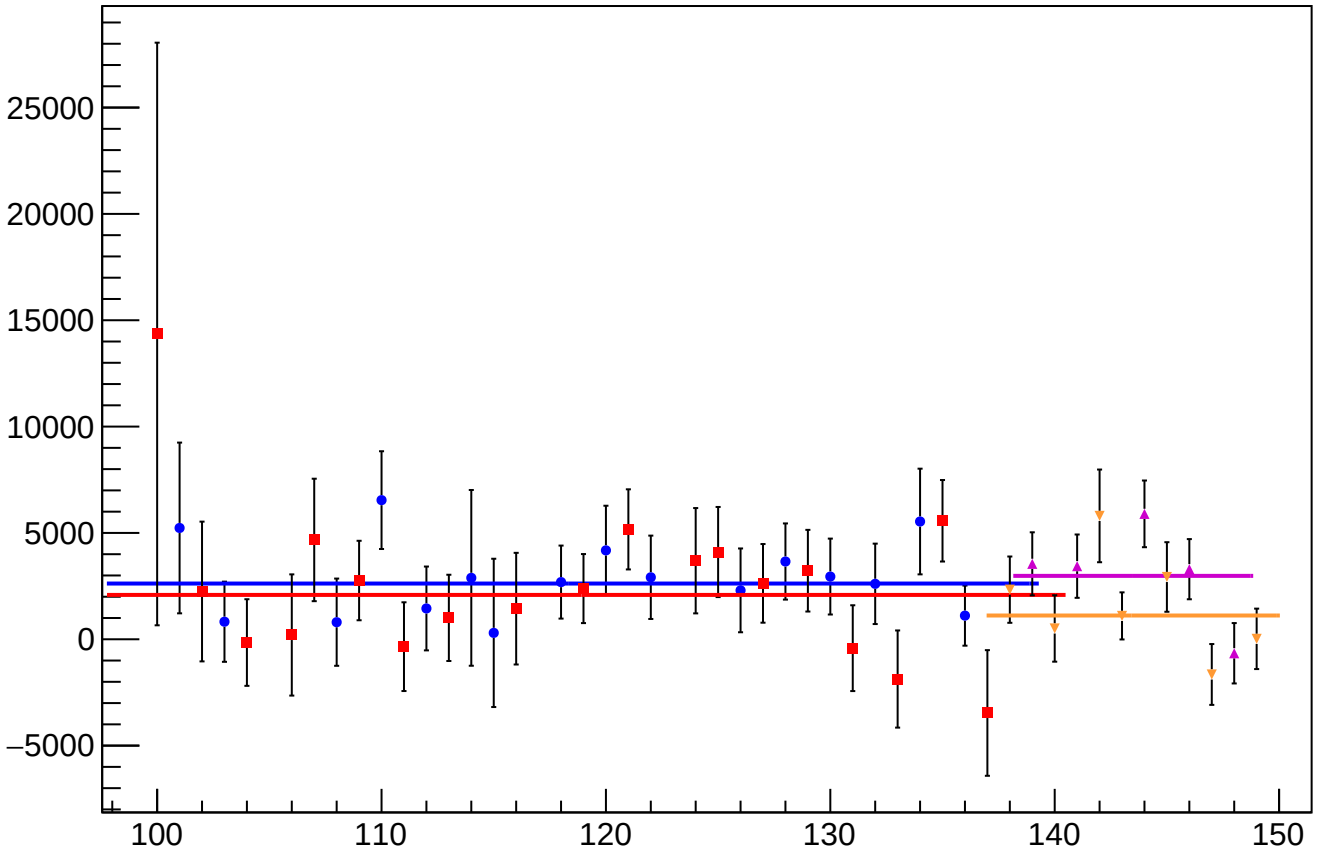
Left: 3750.769+/-0.888 χ^2/NDF: 1494167.5/11

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3193.292+/-0.732 χ^2/NDF:4014399.7/20

Out: 2865.961+/-0.634 χ^2/NDF:4480654.6/25

All: 3006.190+/-0.479 χ^2/NDF: 8609346.8/46



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1117.598+/-558.505 χ^2/NDF:11.0/6

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2981.492+/-658.071 χ^2/NDF:10.3/4

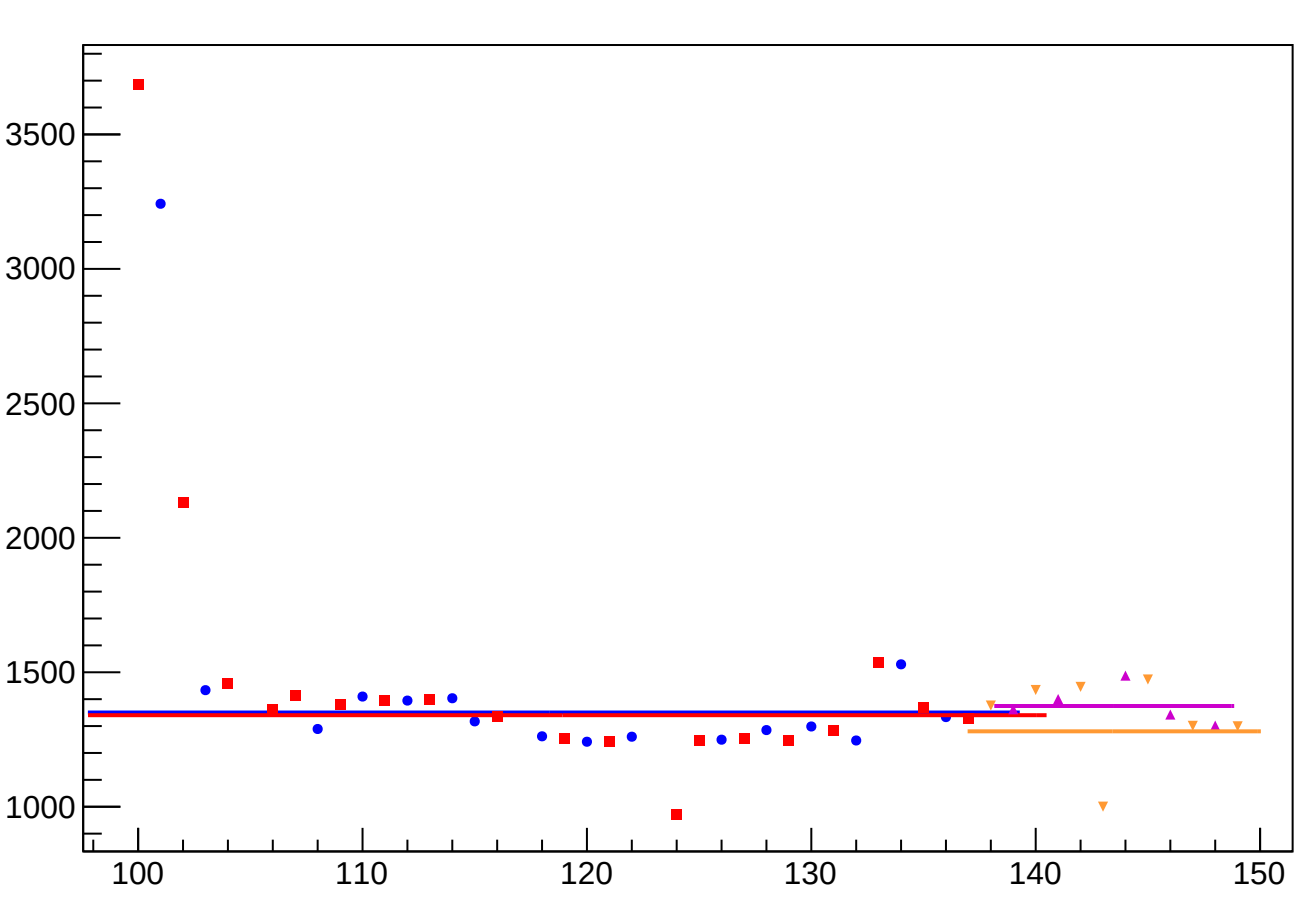
Left: 1898.018+/-425.820 χ^2/NDF: 25.9/11

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2756.481+/-403.858 χ^2/NDF:19.8/20

Out: 1650.301+/-374.529 χ^2/NDF:33.6/25

All: 2161.770+/-274.615 χ^2/NDF: 57.4/46



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1280.432+/-0.395 χ^2/NDF:194988.0/6

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1374.617+/-0.465 χ^2/NDF:17407.5/4

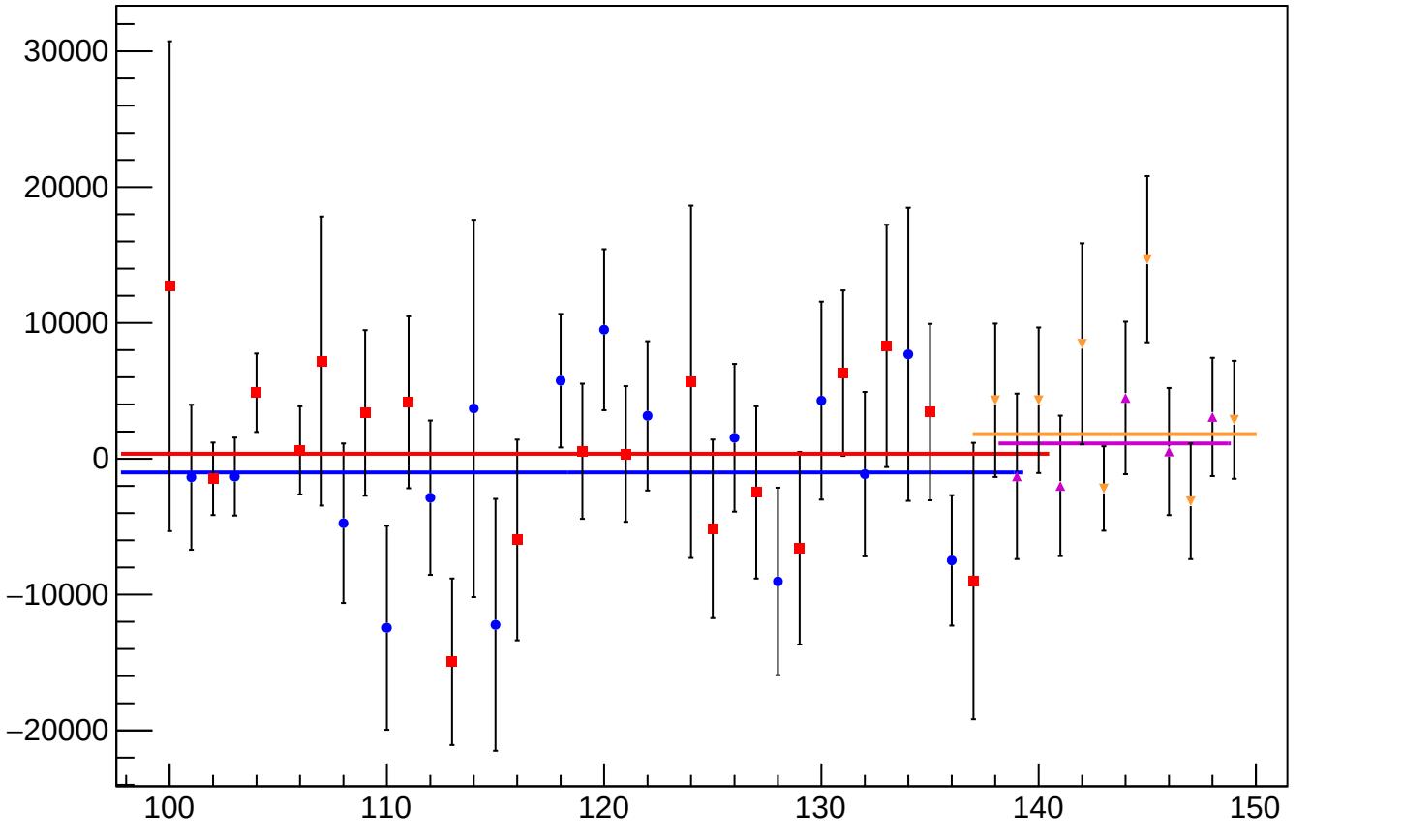
Left: 1319.868+/-0.301 χ^2/NDF: 236210.2/11

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

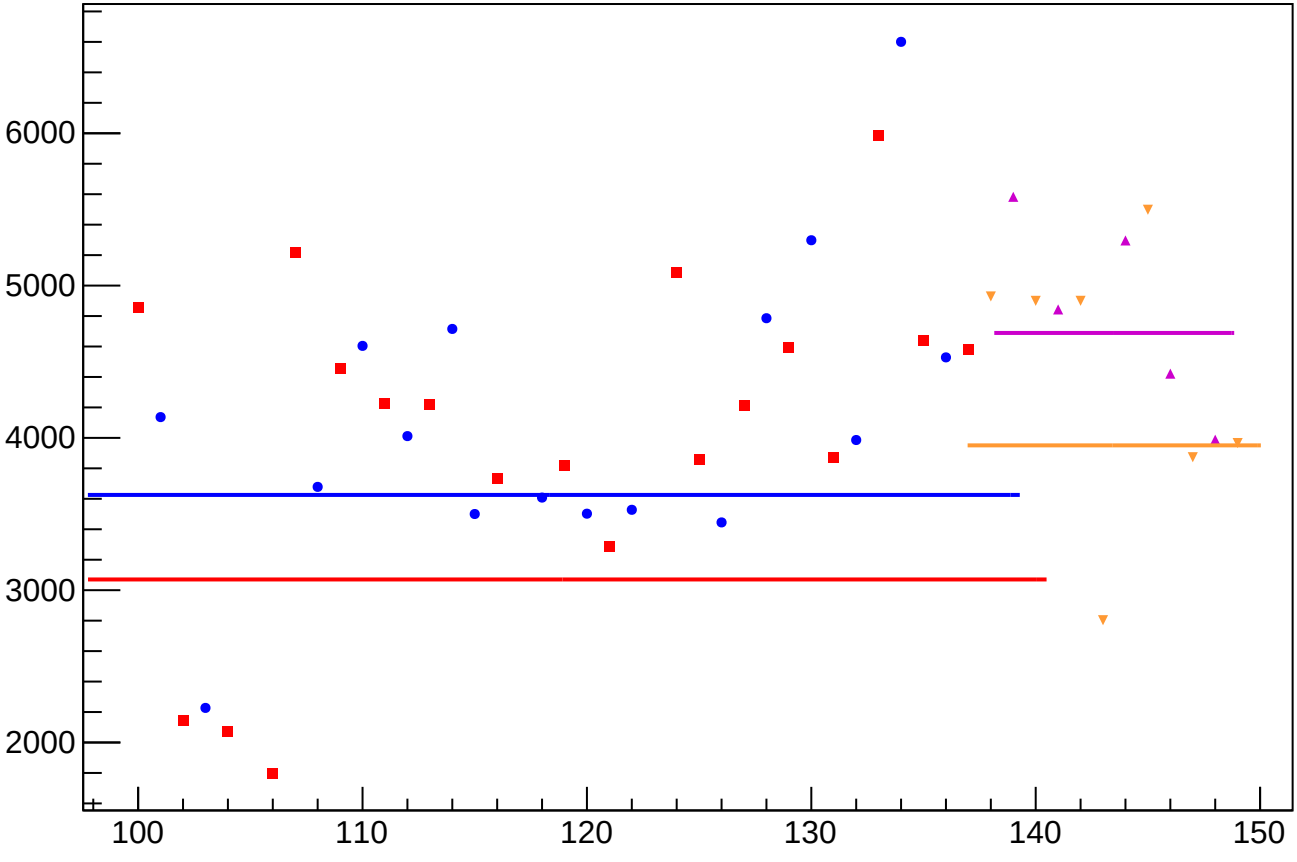
In: 1359.502+/-0.286 χ^2/NDF:513151.3/20

Out: 1313.467+/-0.265 χ^2/NDF:479879.4/25

All: 1334.745+/-0.194 χ^2/NDF: 1007005.7/46


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: 1813.052+/-1759.836 χ²/NDF:8.7/6
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1127.357+/-2266.998 χ²/NDF:1.1/4
Left: 1555.216+/-1390.136 χ²/NDF: 9.9/11
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -414.842+/-1193.908 χ²/NDF:16.3/20
Out: 825.556+/-992.851 χ²/NDF:25.4/25
All: 318.447+/-763.380 χ²/NDF: 42.4/46

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3950.875+/-1.244 χ^2/NDF:557286.9/6

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4689.027+/-1.603 χ^2/NDF:126634.4/4

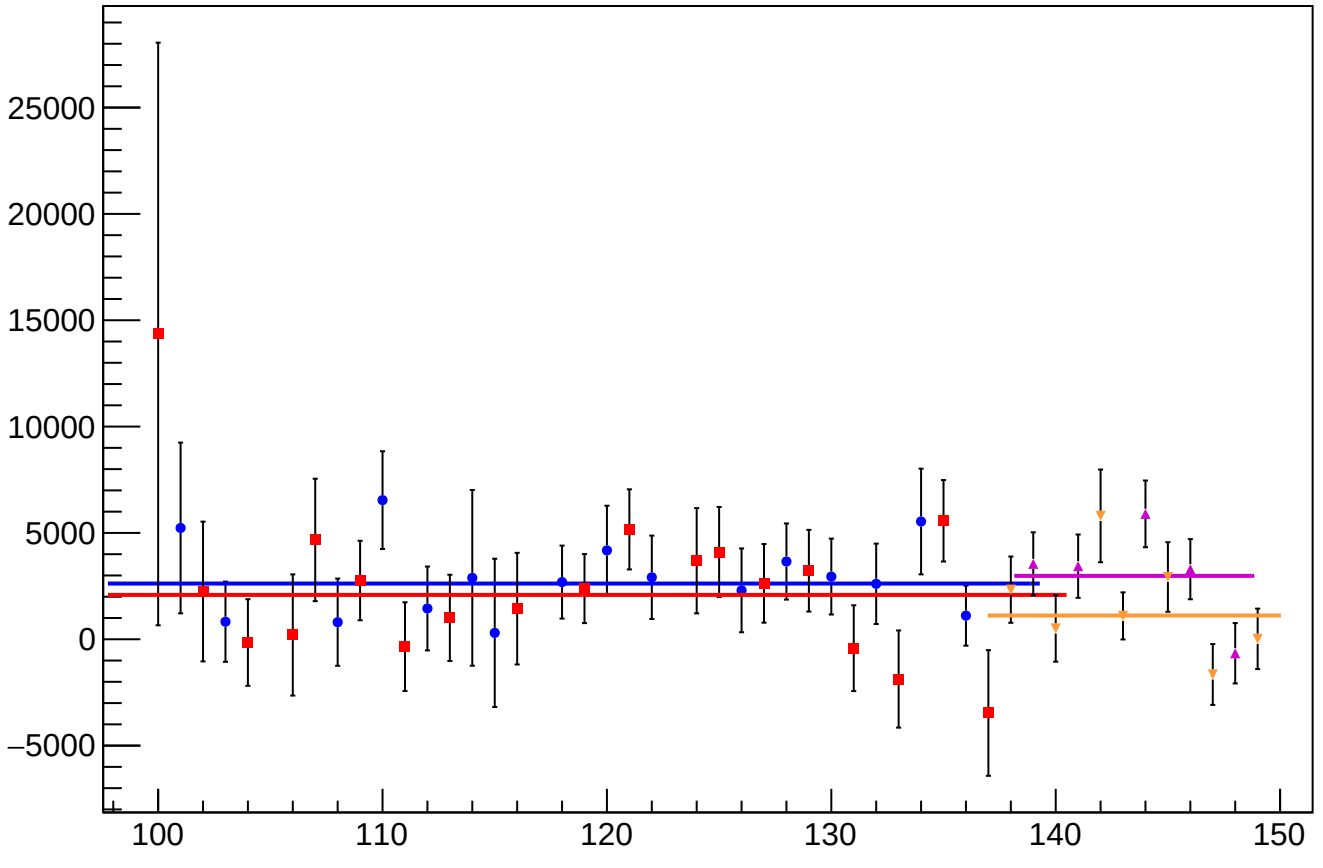
Left: 4228.436+/-0.983 χ^2/NDF: 816230.4/11

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3920.485+/-0.844 χ^2/NDF:1389621.7/20

Out: 3350.675+/-0.702 χ^2/NDF:2737199.2/25

All: 3583.630+/-0.540 χ^2/NDF: 4396136.9/46



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1117.602+/-558.506 χ^2/NDF:11.0/6

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2981.487+/-658.071 χ^2/NDF:10.3/4

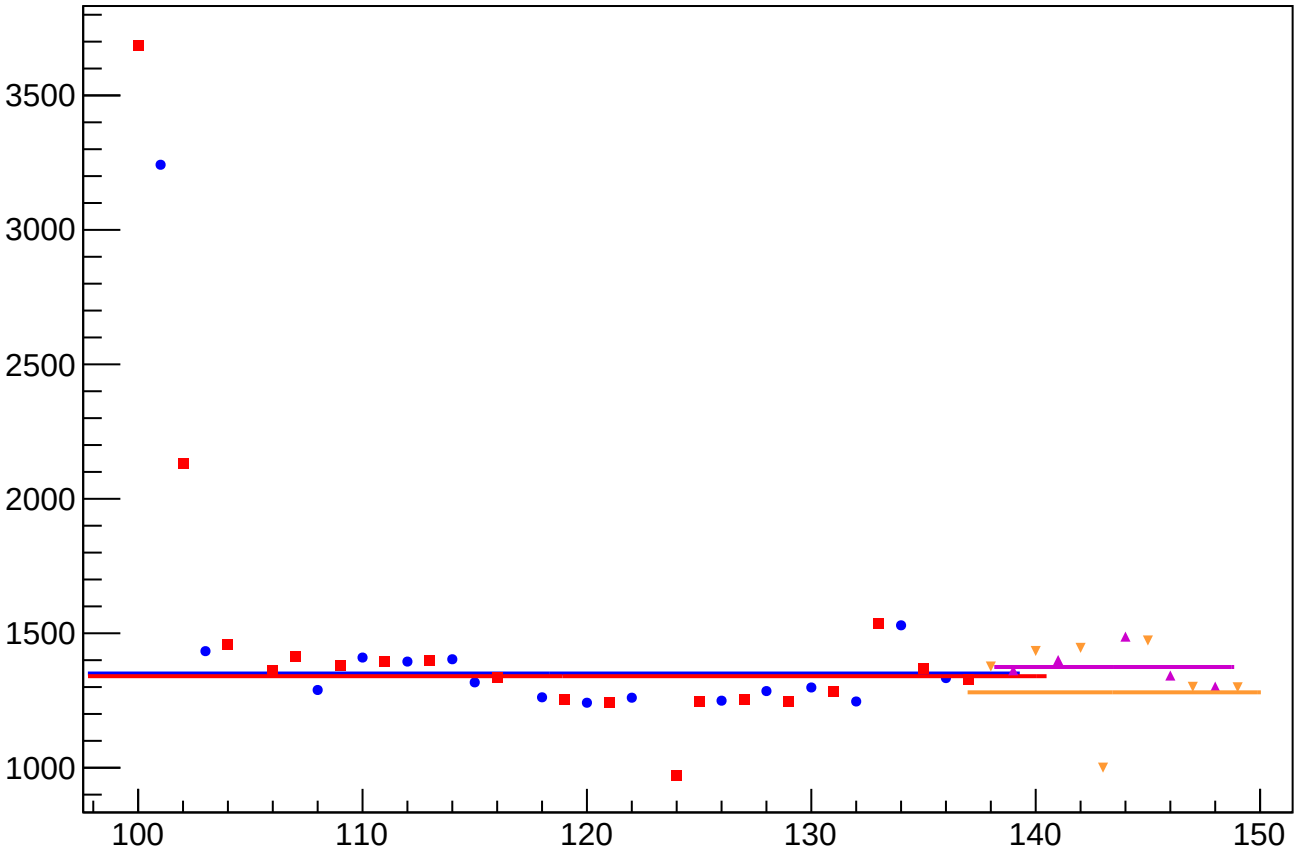
Left: 1898.018+/-425.820 χ^2/NDF: 25.9/11

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2756.479+/-403.858 χ^2/NDF:19.8/20

Out: 1650.304+/-374.529 χ^2/NDF:33.6/25

All: 2161.771+/-274.616 χ^2/NDF: 57.4/46



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1280.433+/-0.395 χ^2/NDF:194988.2/6

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1374.619+/-0.465 χ^2/NDF:17407.7/4

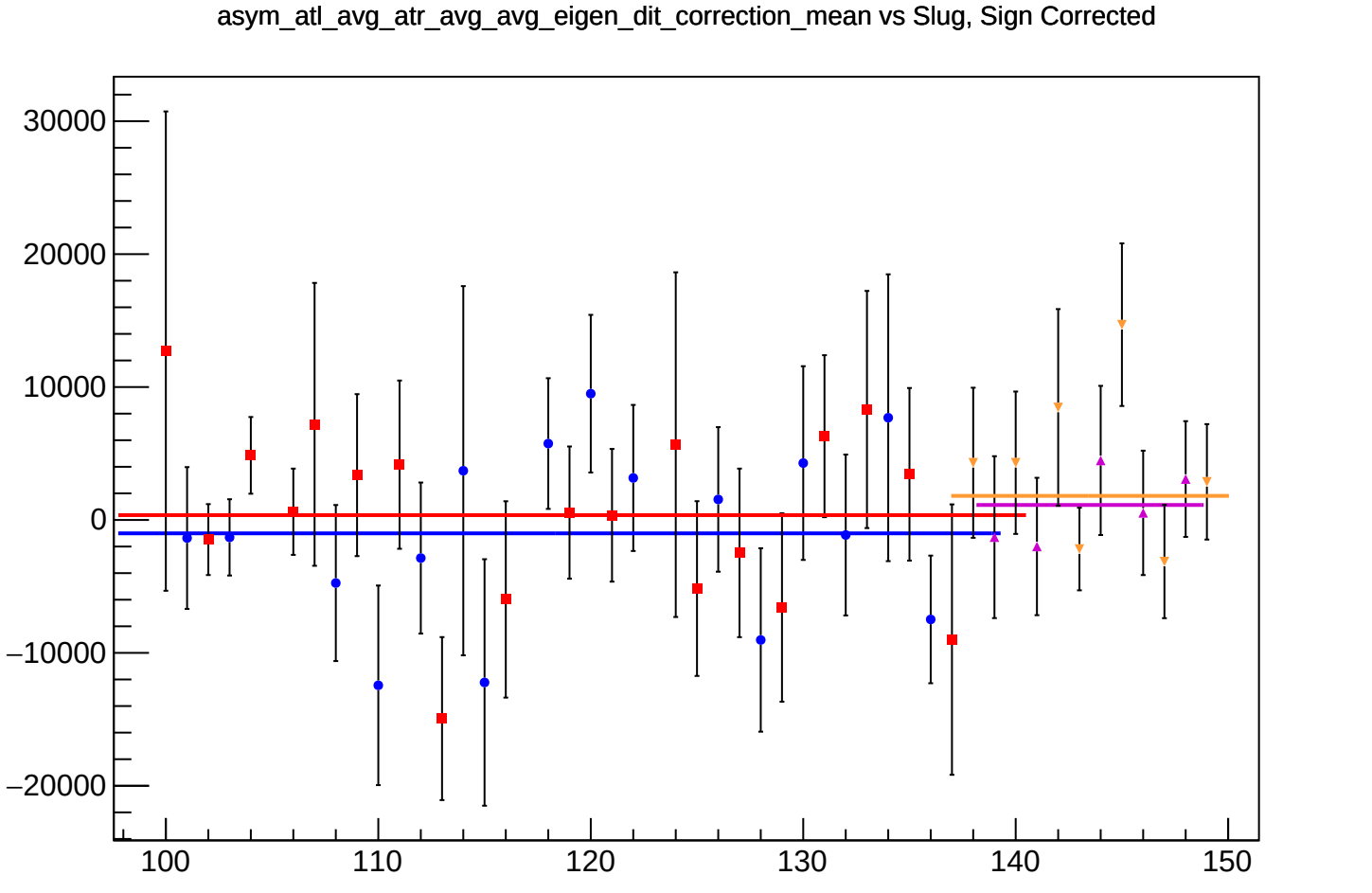
Left: 1319.869+/-0.301 χ^2/NDF: 236210.6/11

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

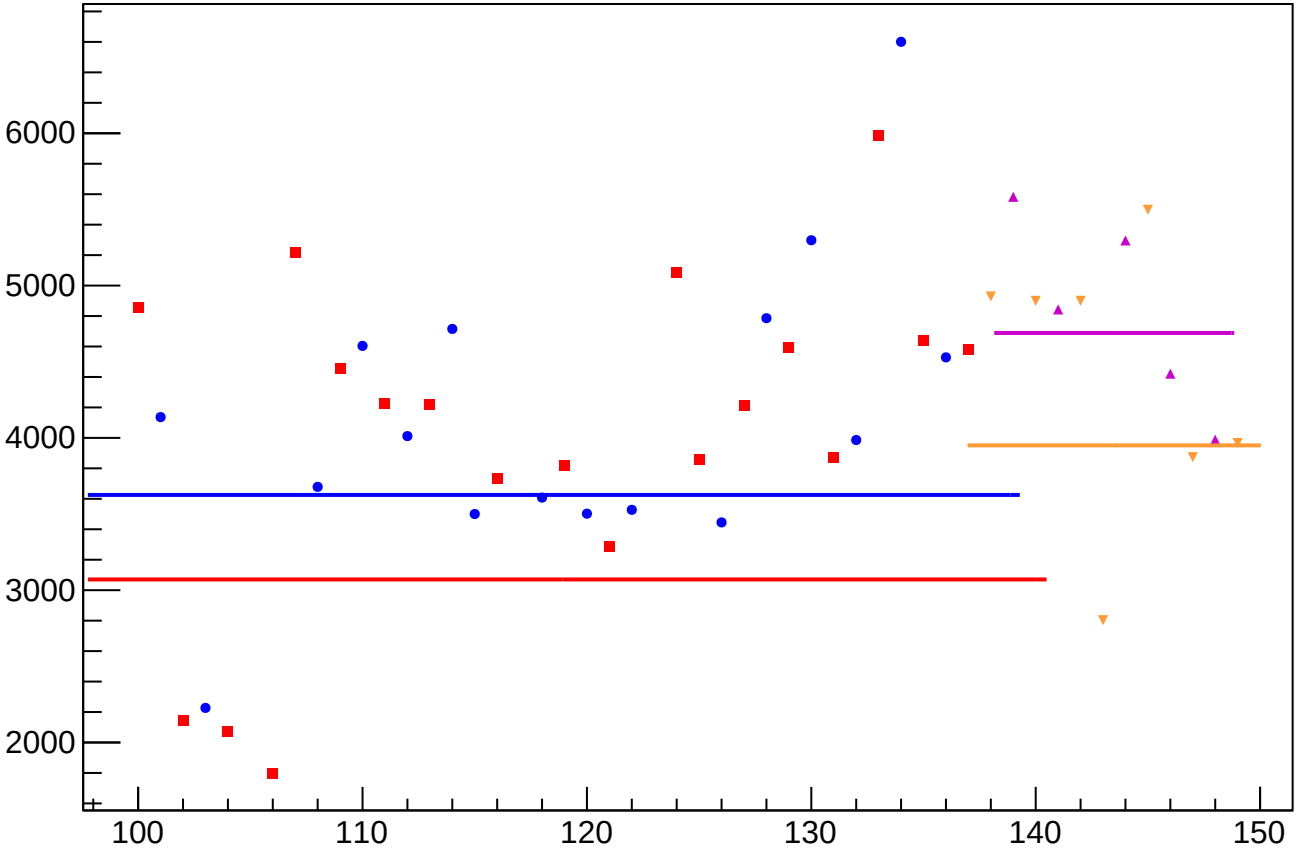
In: 1359.502+/-0.286 χ^2/NDF:513151.9/20

Out: 1313.468+/-0.265 χ^2/NDF:479878.0/25

All: 1334.745+/-0.194 χ^2/NDF: 1007004.9/46


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: 1813.052+/-1759.839 χ²/NDF:8.7/6
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1127.353+/-2267.001 χ²/NDF:1.1/4
Left: 1555.215+/-1390.138 χ²/NDF: 9.9/11
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -414.839+/-1193.906 χ²/NDF:16.3/20
Out: 825.554+/-992.850 χ²/NDF:25.4/25
All: 318.446+/-763.379 χ²/NDF: 42.4/46

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 3950.881+/-1.244 χ^2/NDF:557287.1/6

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4689.034+/-1.603 χ^2/NDF:126635.3/4

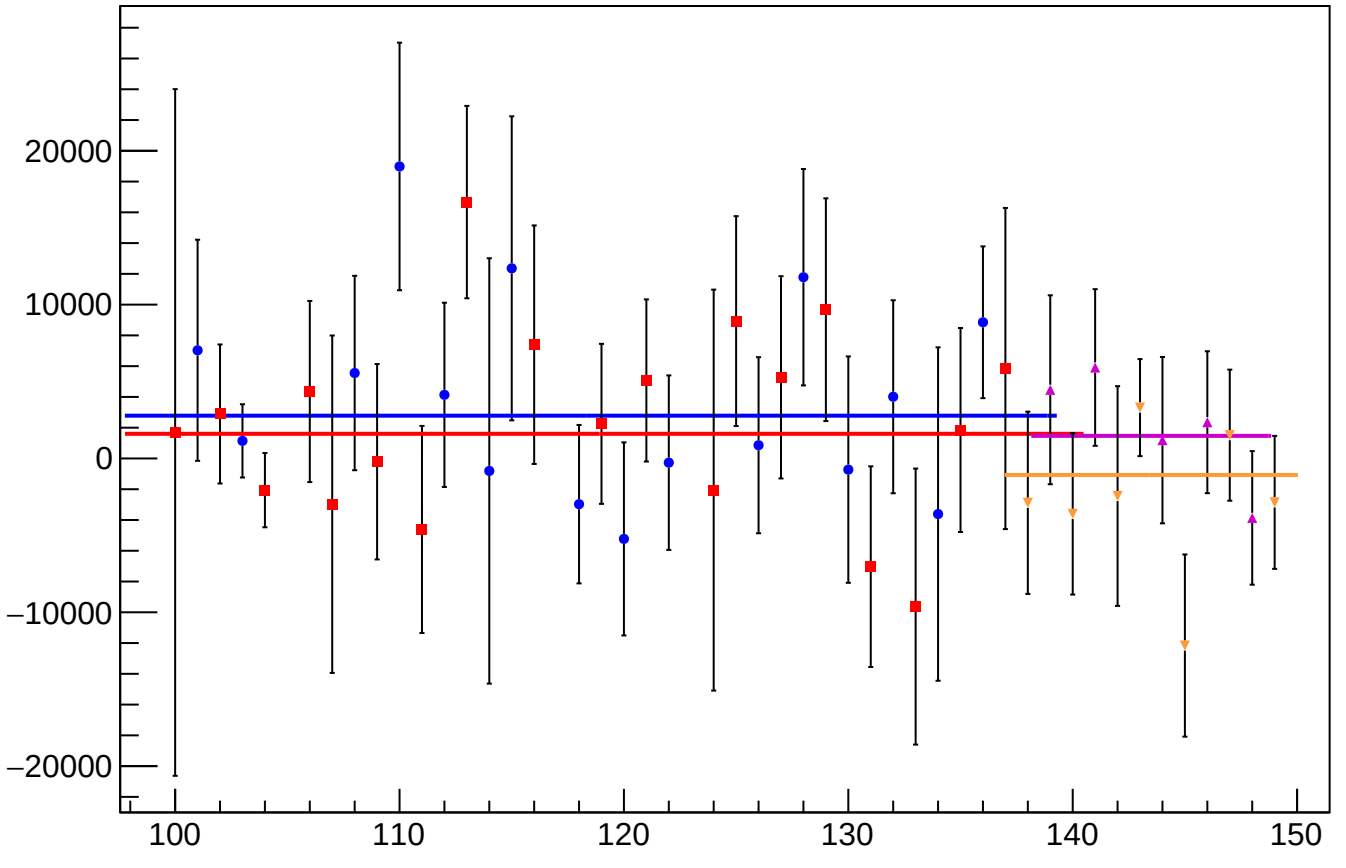
Left: 4228.442+/-0.983 χ^2/NDF: 816231.3/11

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3920.479+/-0.844 χ^2/NDF:1389633.7/20

Out: 3350.670+/-0.702 χ^2/NDF:2737213.6/25

All: 3583.624+/-0.540 χ^2/NDF: 4396163.2/46



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -1071.012+/-1762.190 χ^2/NDF:6.3/6

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1468.966+/-2239.836 χ^2/NDF:2.5/4

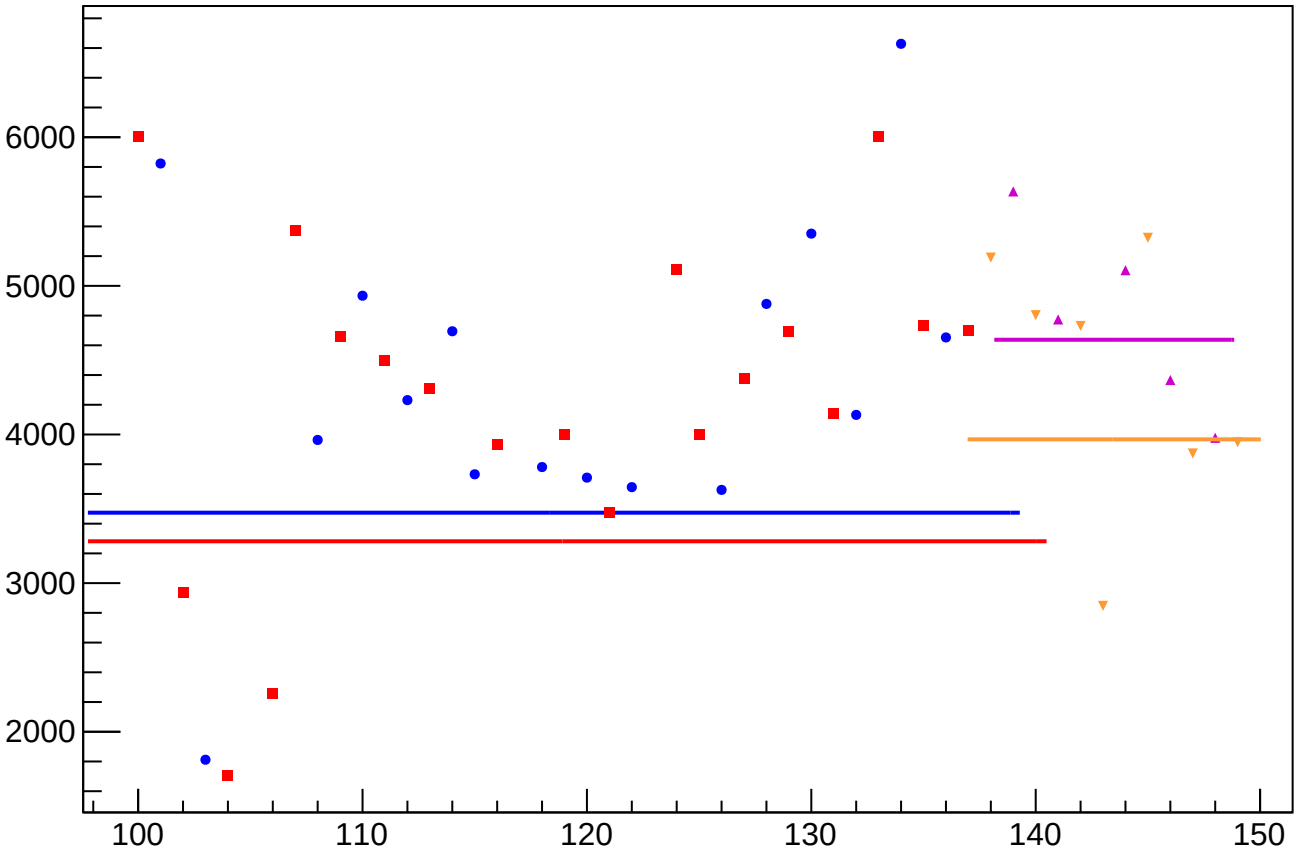
Left: -99.915+/-1384.945 χ^2/NDF: 9.7/11

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2416.325+/-1180.713 χ^2/NDF:16.0/20

Out: 625.820+/-1065.137 χ^2/NDF:24.6/25

All: 1429.173+/-790.879 χ^2/NDF: 41.8/46



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3967.230+/-1.246 χ^2/NDF:516947.1/6

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: 4223.454+/-0.979 χ^2/NDF: 749871.5/11

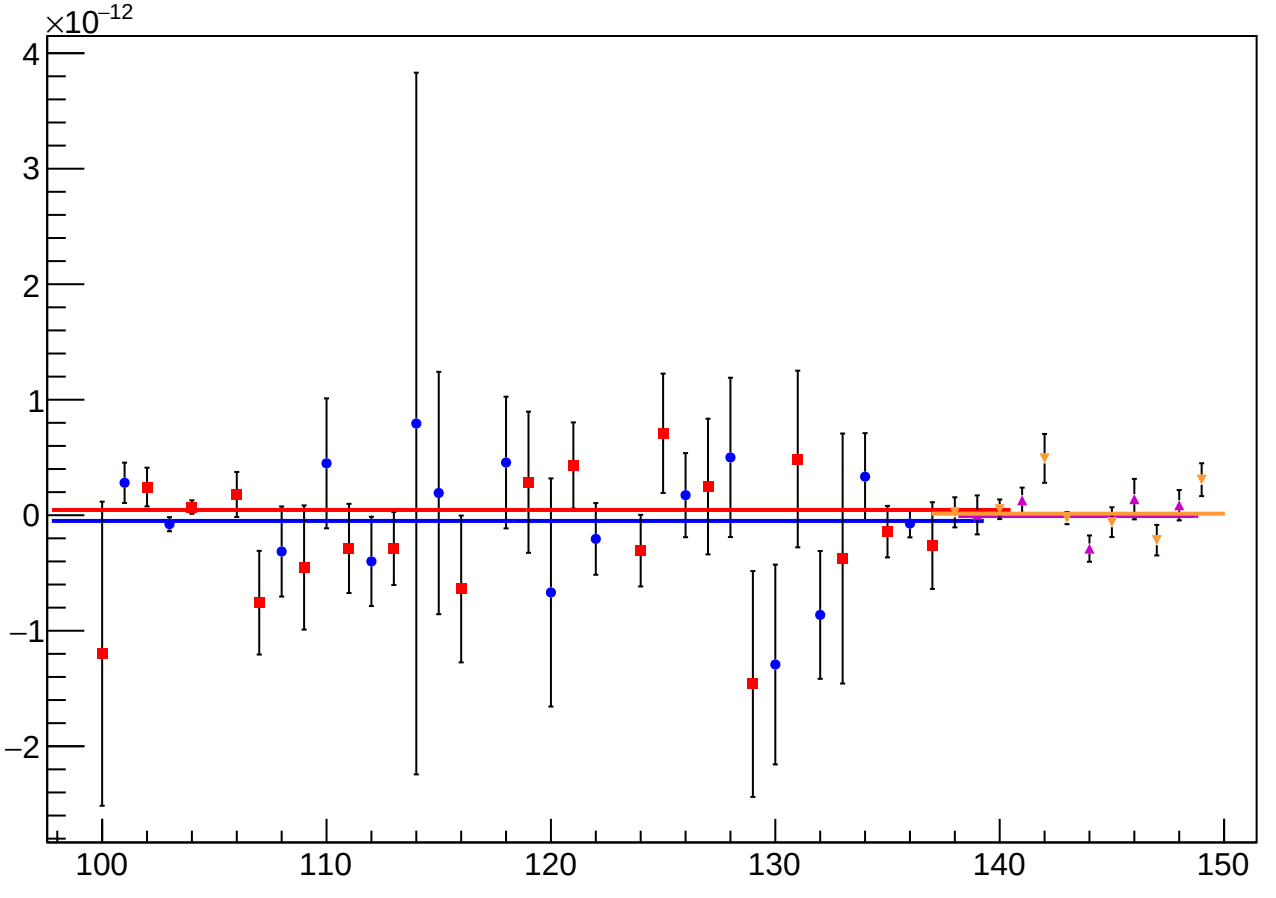
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3797.208+/-0.835 χ^2/NDF:2356008.5/20

Out: 3527.656+/-0.747 χ^2/NDF:2586585.3/25

All: 3647.428+/-0.557 χ^2/NDF: 5000515.9/46

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/4

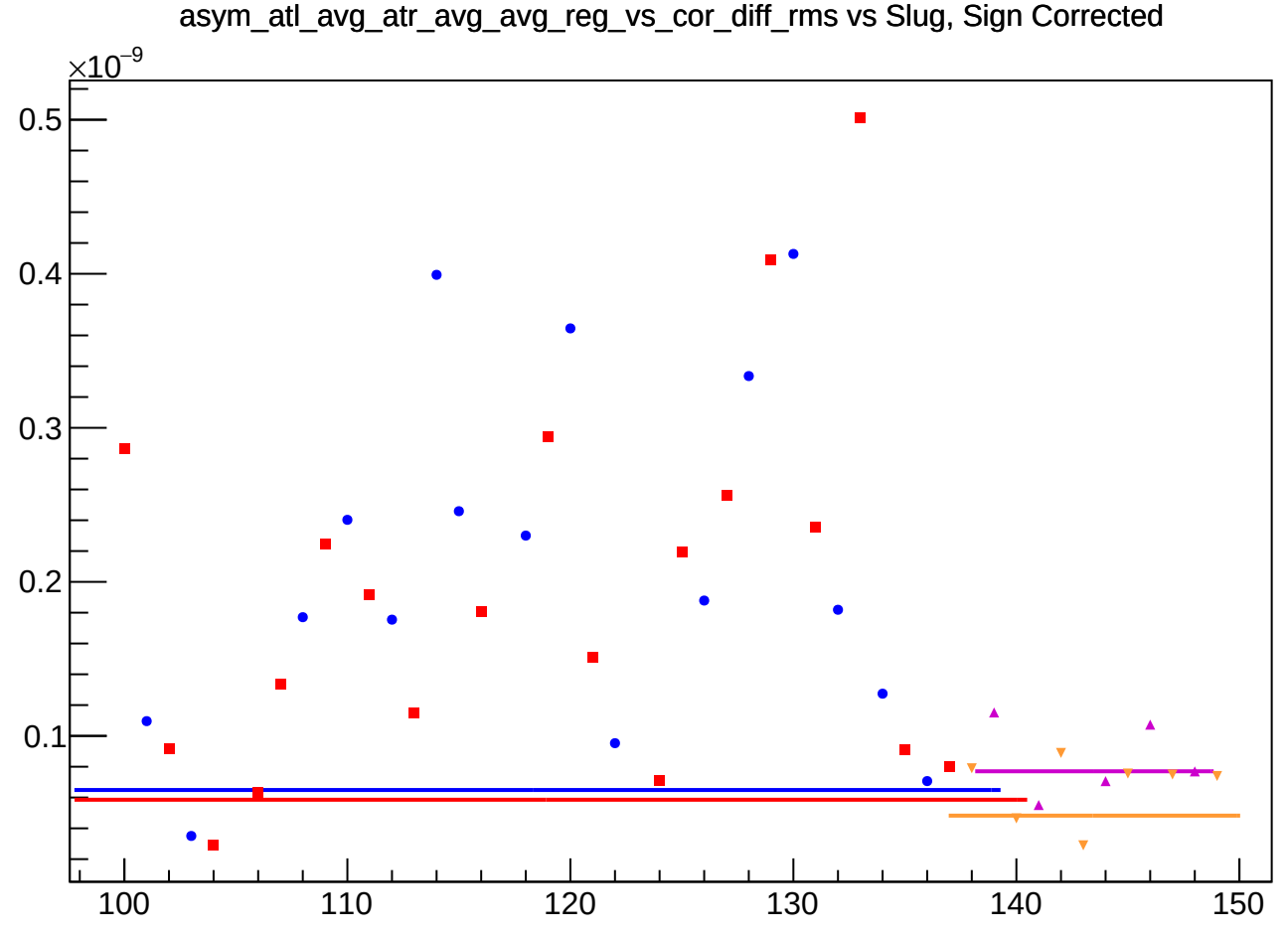
Left: 0.000+/-0.000 χ^2/NDF: 22.4/11

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:22.9/20

Out: 0.000+/-0.000 χ^2/NDF:32.3/25

All: 0.000+/-0.000 χ^2/NDF: 56.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:688484.6/6

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: 1279246.3/11

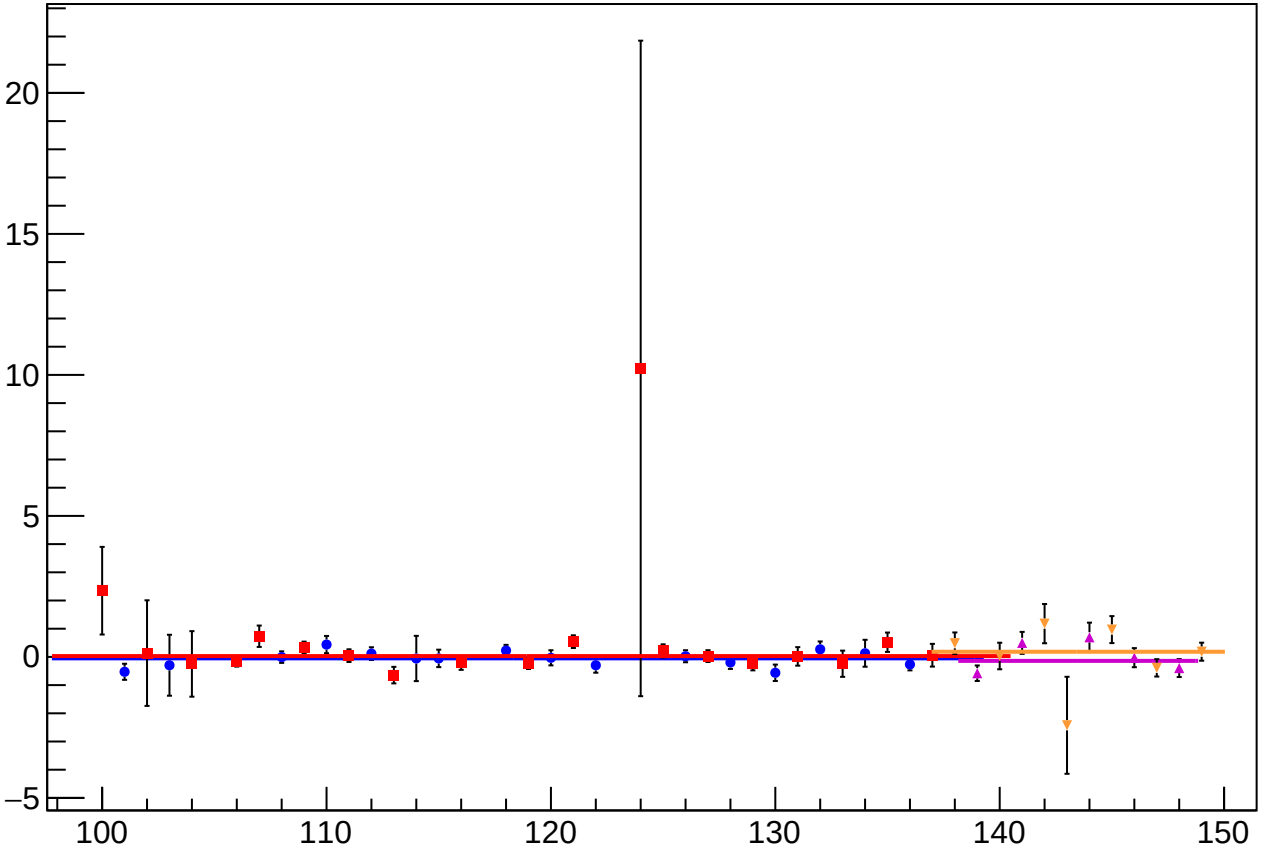
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2891664.9/20

Out: 0.000+/-0.000 χ^2/NDF:3602601.9/25

All: 0.000+/-0.000 χ^2/NDF: 6772181.7/46

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: 0.183+/-0.161 χ^2/NDF:11.2/6

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: 0.014+/-0.111 χ^2/NDF: 21.9/11

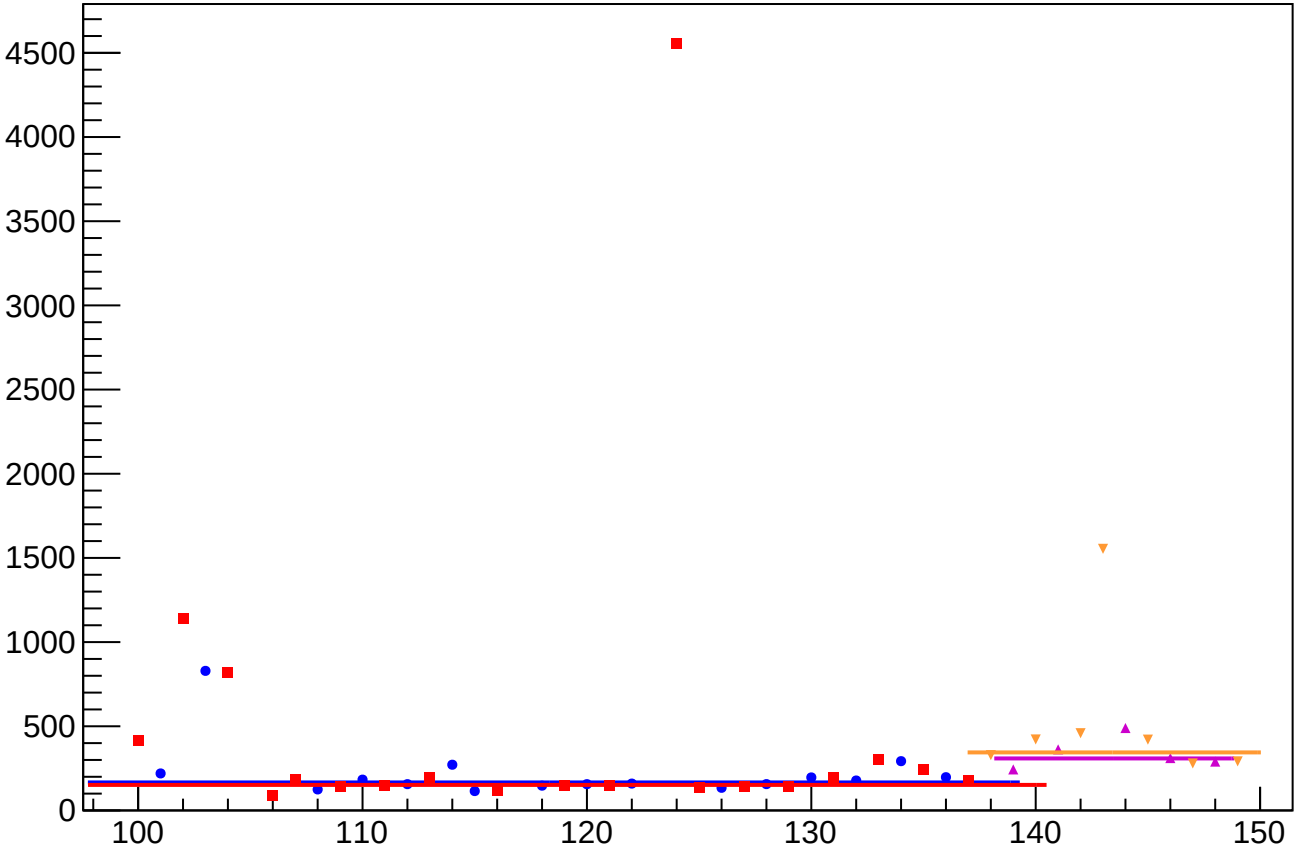
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.050+/-0.060 χ^2/NDF:39.5/25

All: -0.006+/-0.043 χ^2/NDF: 65.1/46

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: 344.768+/-0.114 χ^2/NDF:1295279.5/6

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: 326.048+/-0.079 χ^2/NDF: 1746375.6/11

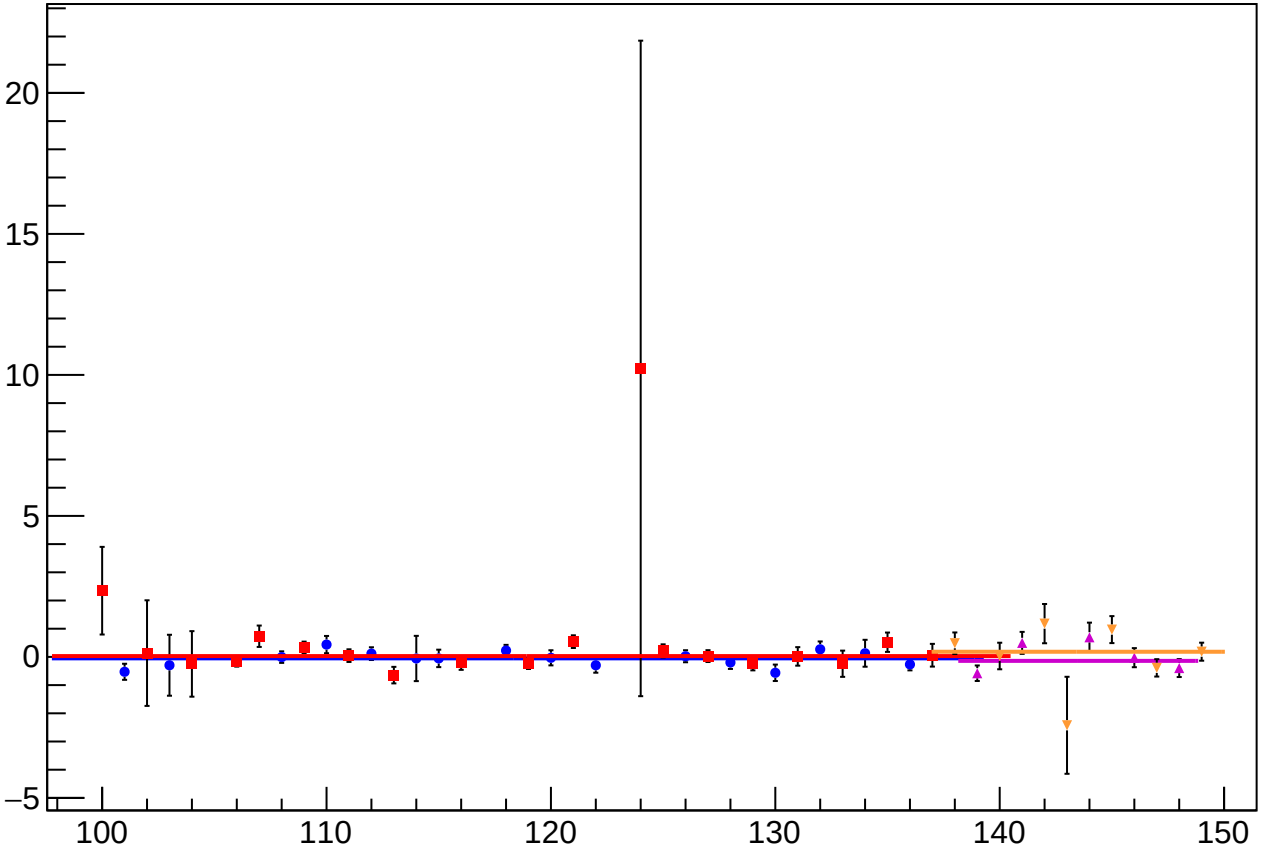
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 188.862+/-0.043 χ^2/NDF:3123381.2/20

Out: 178.063+/-0.042 χ^2/NDF:6084694.7/25

All: 183.307+/-0.030 χ^2/NDF: 9240064.8/46

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: 0.183+/-0.161 χ^2/NDF:11.2/6

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: 0.014+/-0.111 χ^2/NDF: 21.9/11

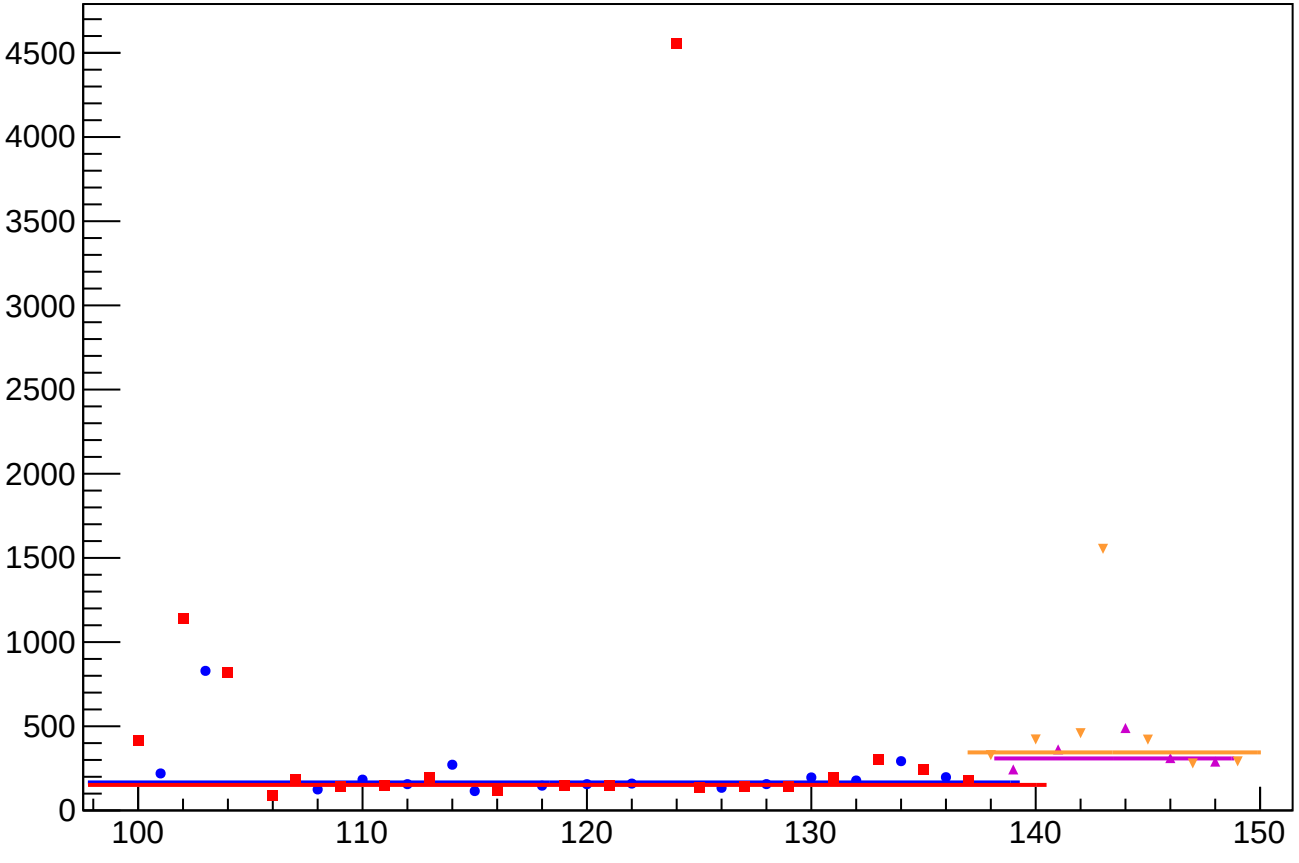
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.050+/-0.060 χ^2/NDF:39.5/25

All: -0.006+/-0.043 χ^2/NDF: 65.1/46

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: 344.768+/-0.114 χ^2/NDF:1295279.5/6

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 308.945+/-0.109 χ^2/NDF:399528.3/4

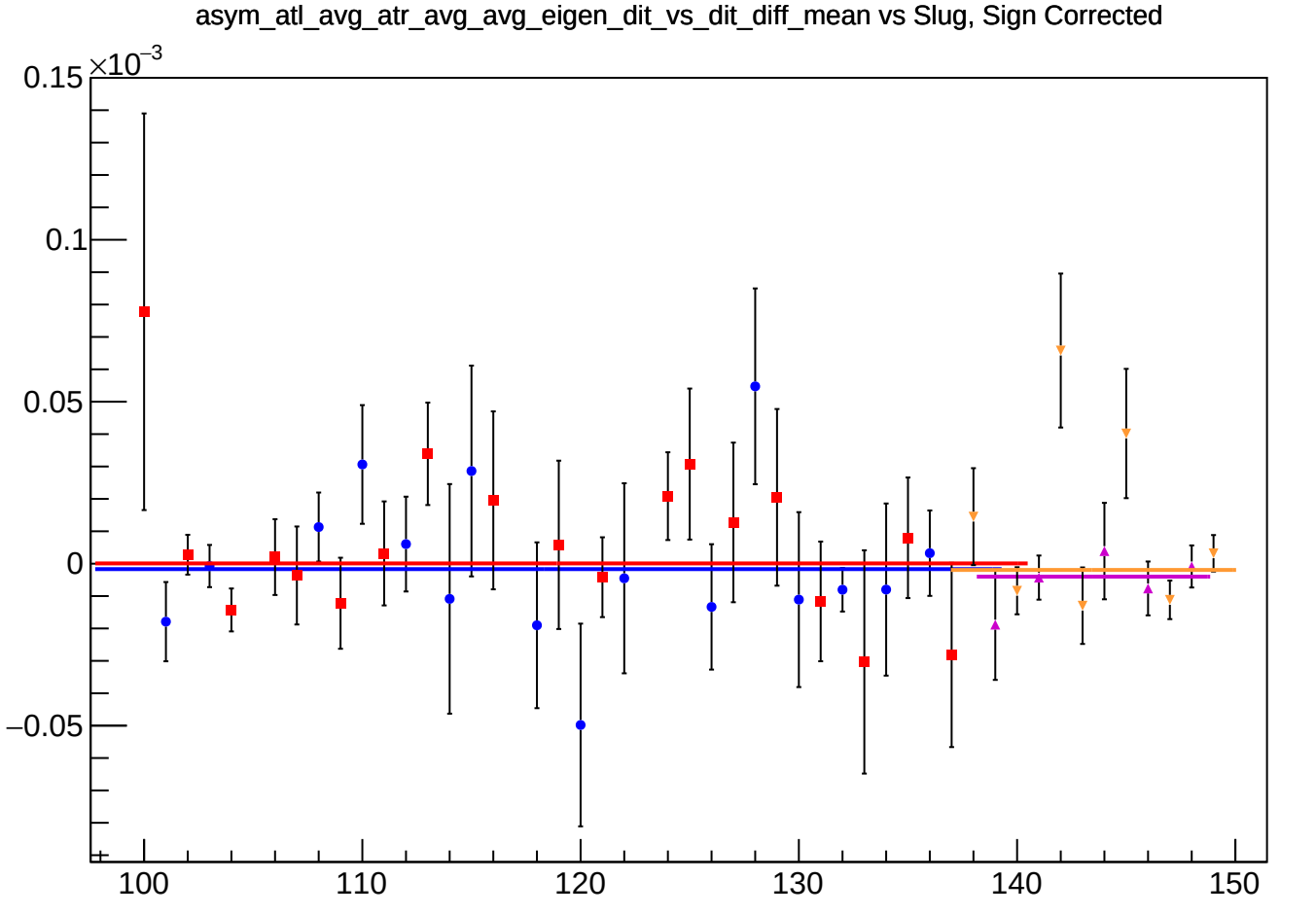
Left: 326.048+/-0.079 χ^2/NDF: 1746375.6/11

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 188.862+/-0.043 χ^2/NDF:3123381.2/20

Out: 178.063+/-0.042 χ^2/NDF:6084694.7/25

All: 183.307+/-0.030 χ^2/NDF: 9240064.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

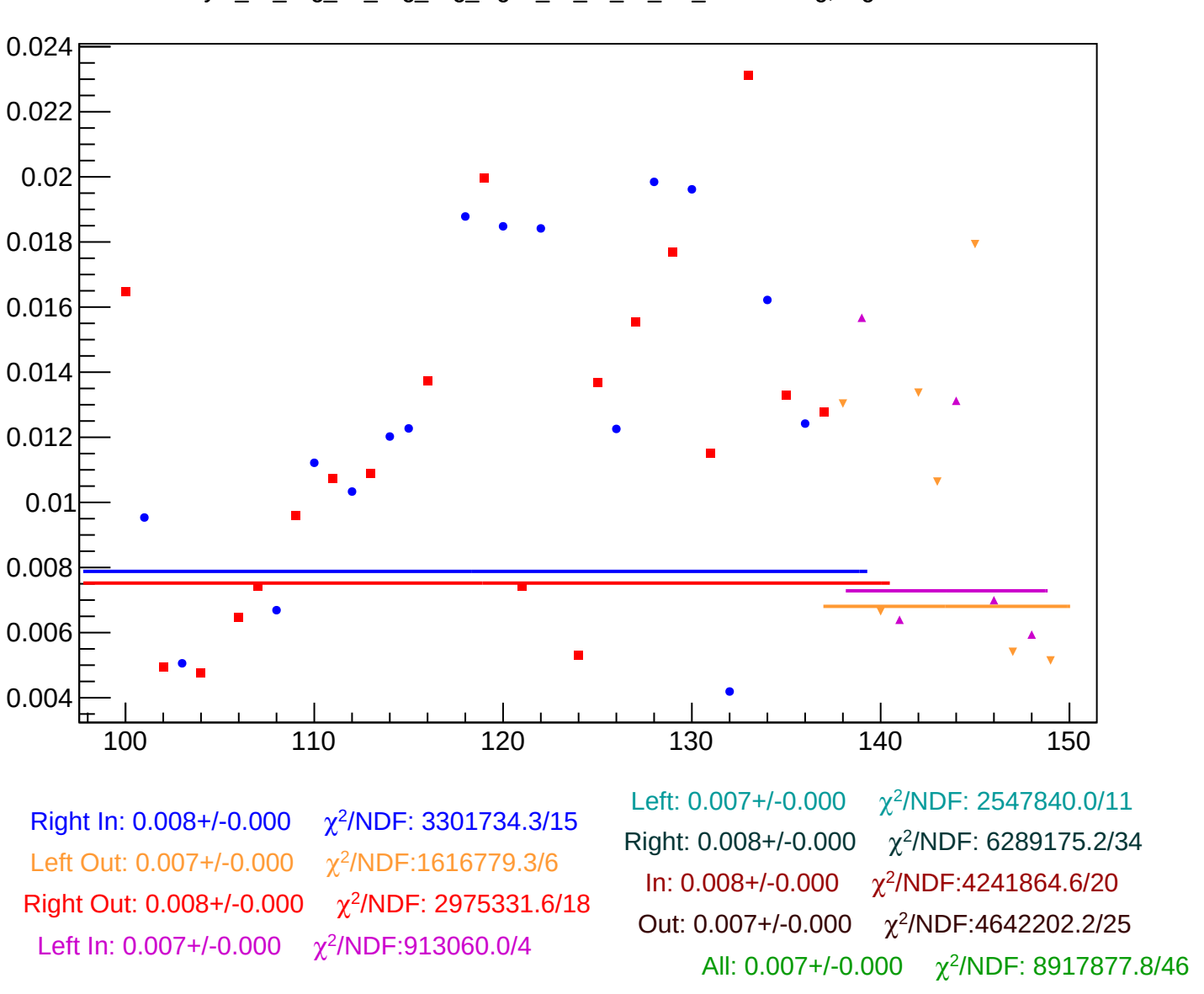
Left: -0.000+/-0.000 χ^2/NDF: 20.3/11

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

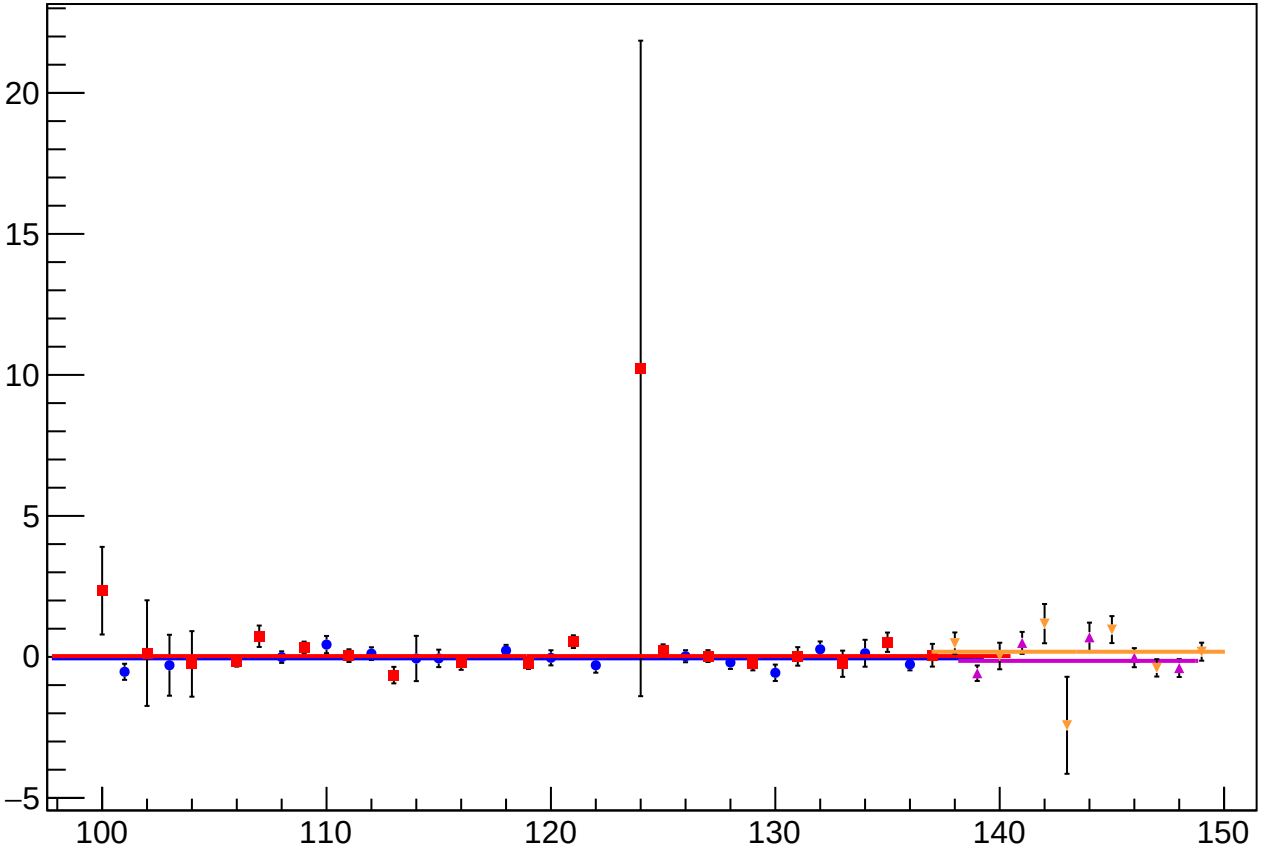
In: -0.000+/-0.000 χ^2/NDF:17.1/20

Out: -0.000+/-0.000 χ^2/NDF:38.8/25

All: -0.000+/-0.000 χ^2/NDF: 56.2/46


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 3301734.3/15
Left Out: 0.007+/-0.000 χ²/NDF:1616779.3/6
Right Out: 0.008+/-0.000 χ²/NDF: 2975331.6/18
Left In: 0.007+/-0.000 χ²/NDF:913060.0/4
Left: 0.007+/-0.000 χ²/NDF: 2547840.0/11
Right: 0.008+/-0.000 χ²/NDF: 6289175.2/34
In: 0.008+/-0.000 χ²/NDF:4241864.6/20
Out: 0.007+/-0.000 χ²/NDF:4642202.2/25
All: 0.007+/-0.000 χ²/NDF: 8917877.8/46

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: 0.183+/-0.161 χ^2/NDF:11.2/6

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: 0.014+/-0.111 χ^2/NDF: 21.9/11

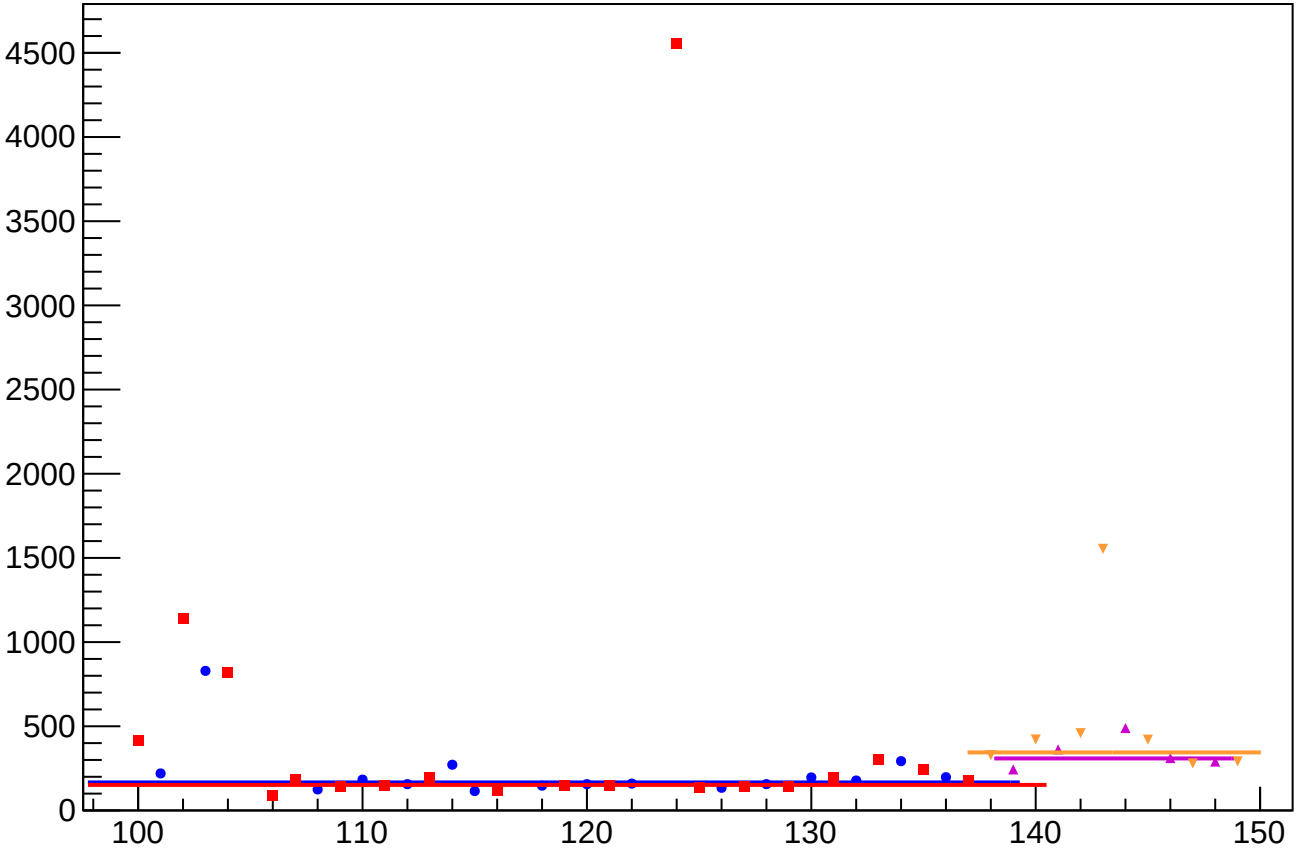
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.050+/-0.060 χ^2/NDF:39.5/25

All: -0.006+/-0.043 χ^2/NDF: 65.1/46

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: 344.771+/-0.114 χ^2/NDF:1295276.8/6

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: 326.052+/-0.079 χ^2/NDF: 1746354.9/11

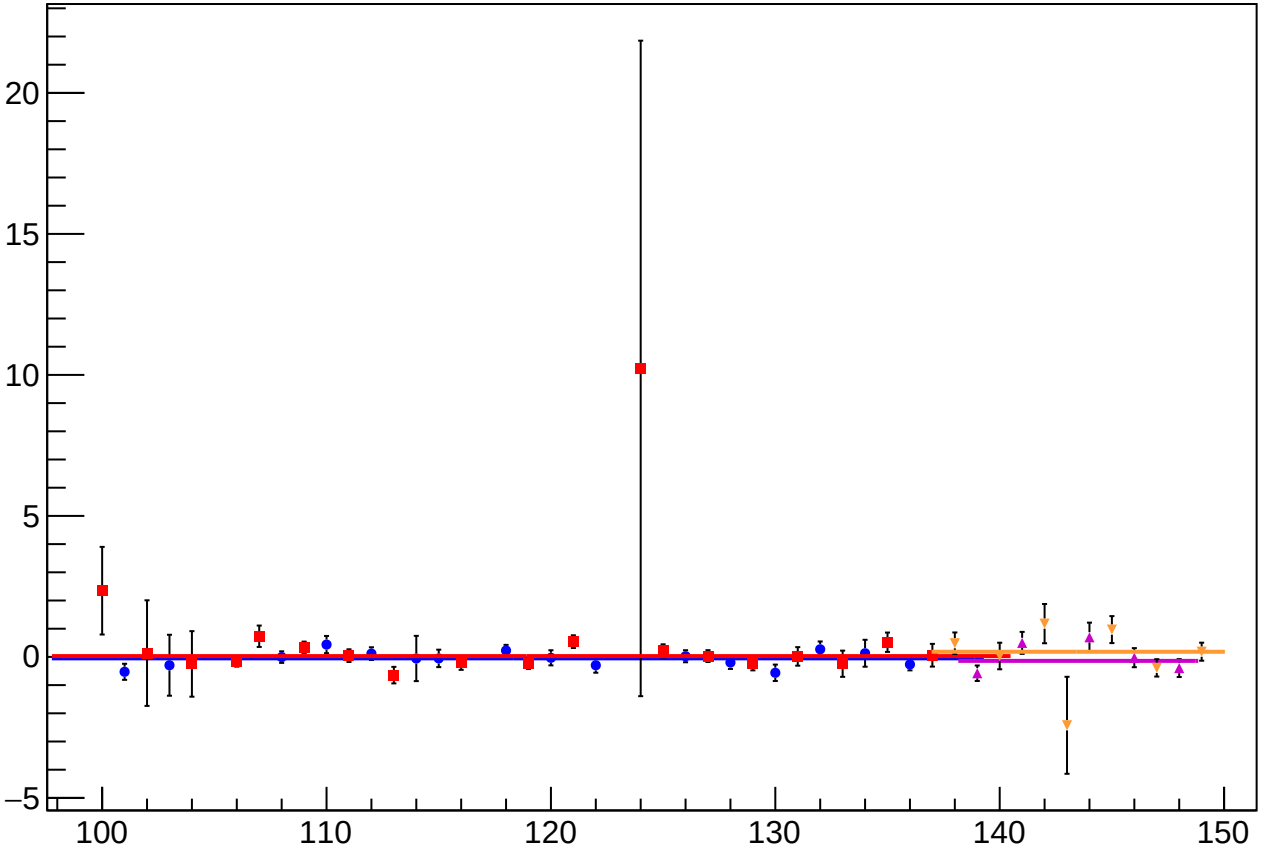
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 188.861+/-0.043 χ^2/NDF:3123440.5/20

Out: 178.061+/-0.042 χ^2/NDF:6084783.7/25

All: 183.306+/-0.030 χ^2/NDF: 9240218.4/46

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: 0.183+/-0.161 χ^2/NDF:11.2/6

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: 0.014+/-0.111 χ^2/NDF: 21.9/11

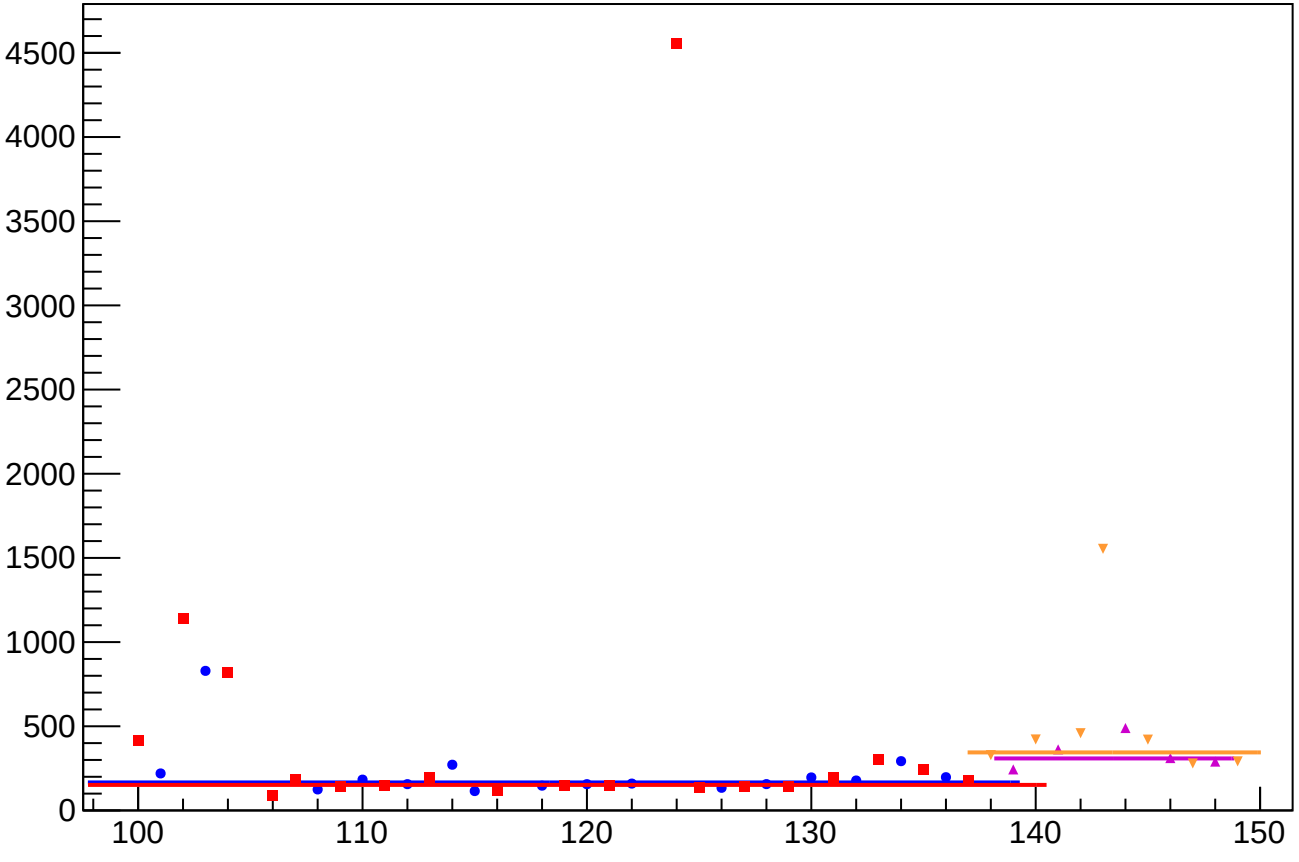
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.061 χ^2/NDF:23.7/20

Out: 0.050+/-0.060 χ^2/NDF:39.5/25

All: -0.006+/-0.043 χ^2/NDF: 65.1/46

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: 344.771+/-0.114 χ^2/NDF:1295276.8/6

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: 326.052+/-0.079 χ^2/NDF: 1746354.9/11

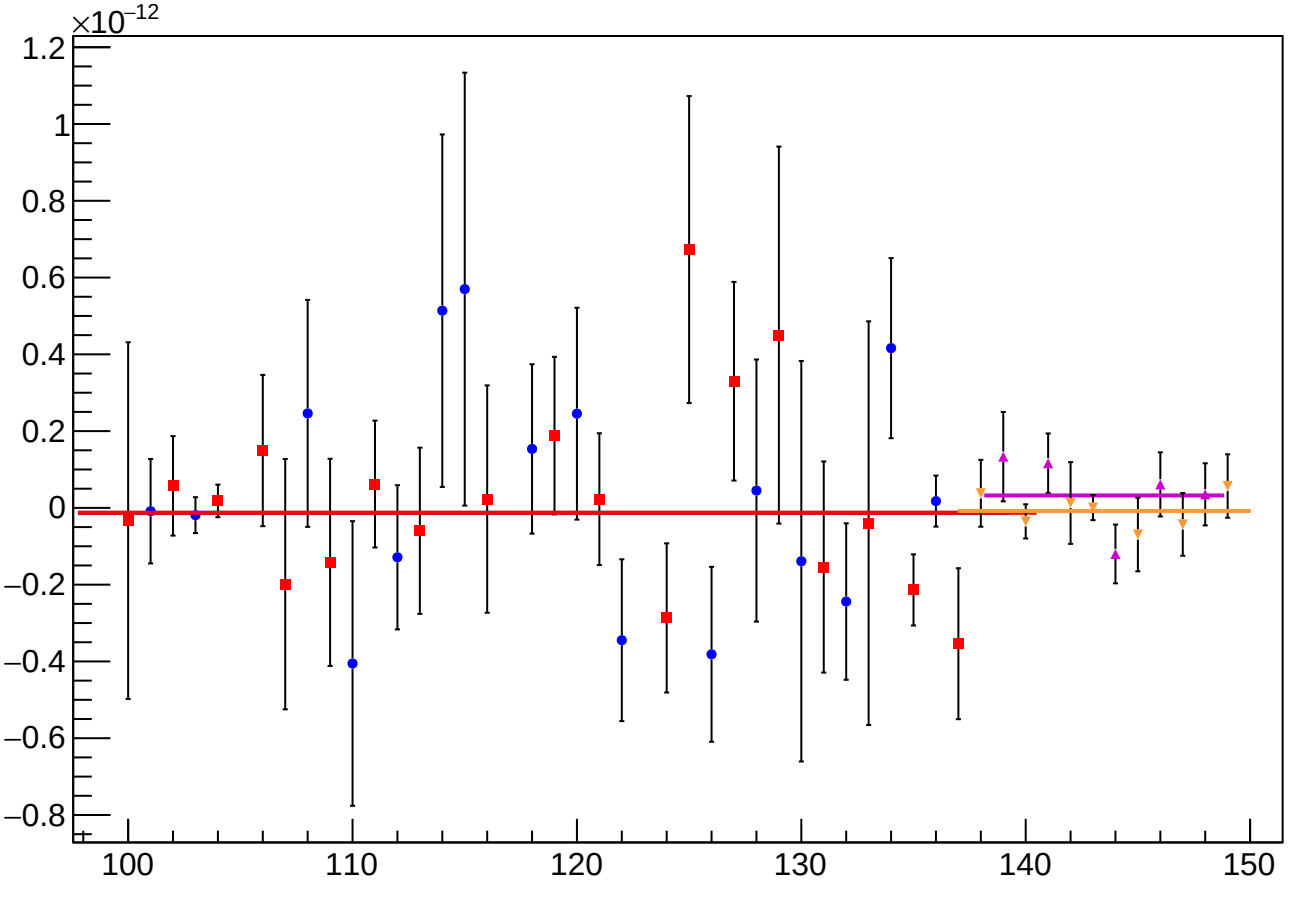
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 188.861+/-0.043 χ^2/NDF:3123440.5/20

Out: 178.061+/-0.042 χ^2/NDF:6084783.7/25

All: 183.306+/-0.030 χ^2/NDF: 9240218.4/46

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:2.0/6

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: 8.8/11

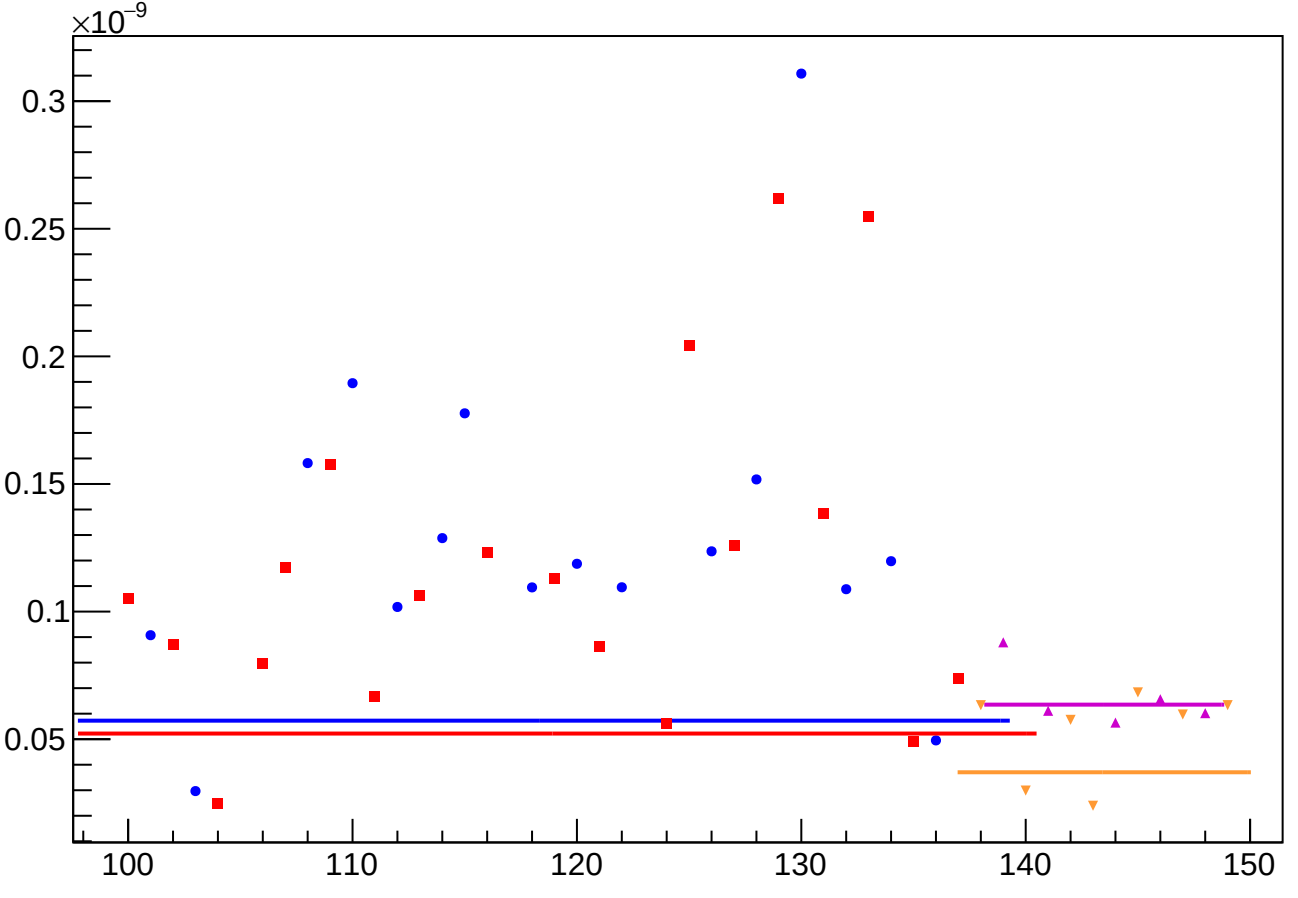
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: 0.000+/-0.000 χ^2/NDF:23.0/20

Out: -0.000+/-0.000 χ^2/NDF:20.9/25

All: -0.000+/-0.000 χ^2/NDF: 44.1/46

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1200885.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:111491.1/4

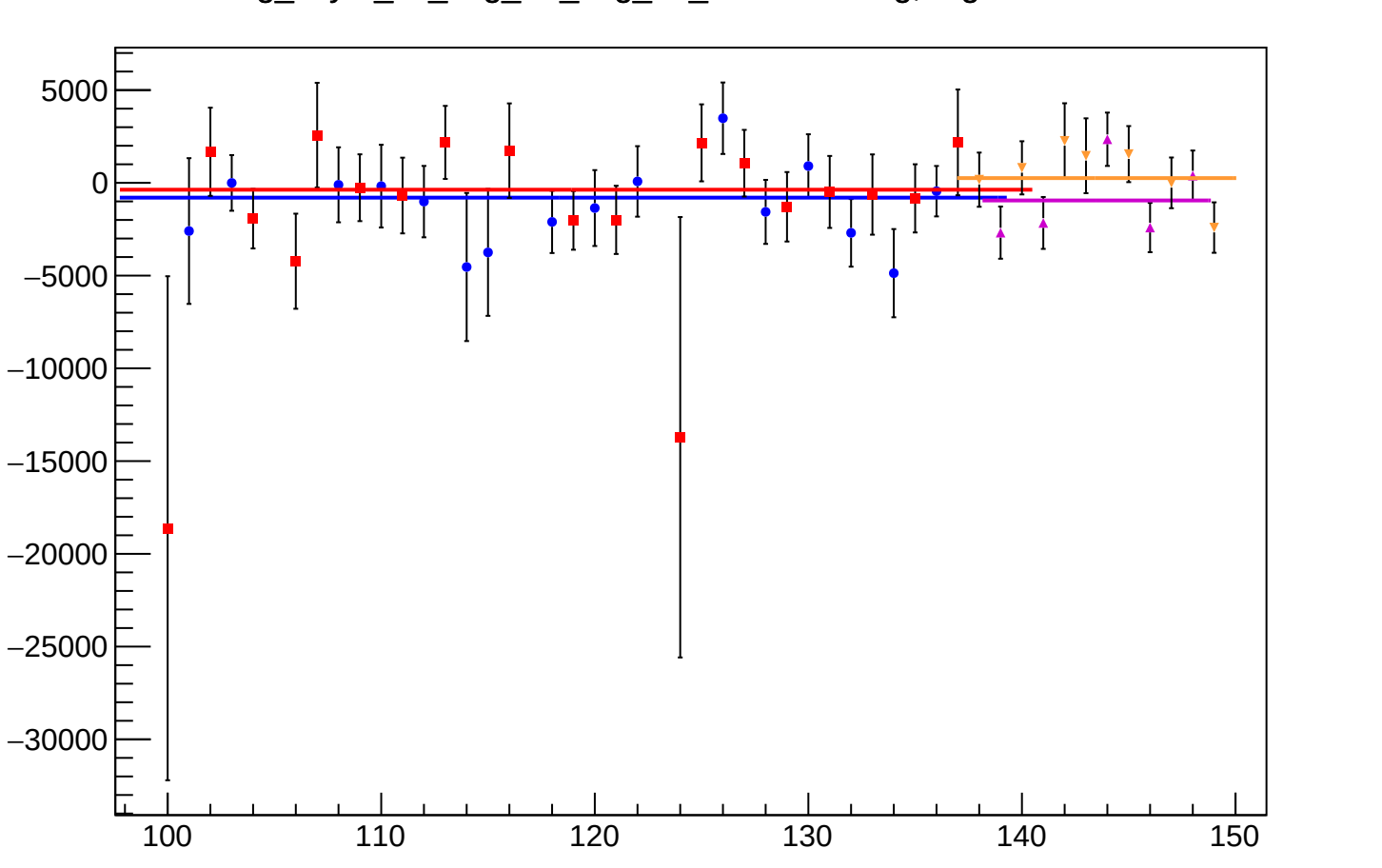
Left: 0.000+/-0.000 χ^2/NDF: 2052217.0/11

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3126147.4/20

Out: 0.000+/-0.000 χ^2/NDF:4800589.2/25

All: 0.000+/-0.000 χ^2/NDF: 8615117.8/46



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 256.028+/-581.380 χ^2/NDF:6.1/6

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -948.937+/-619.013 χ^2/NDF:9.7/4

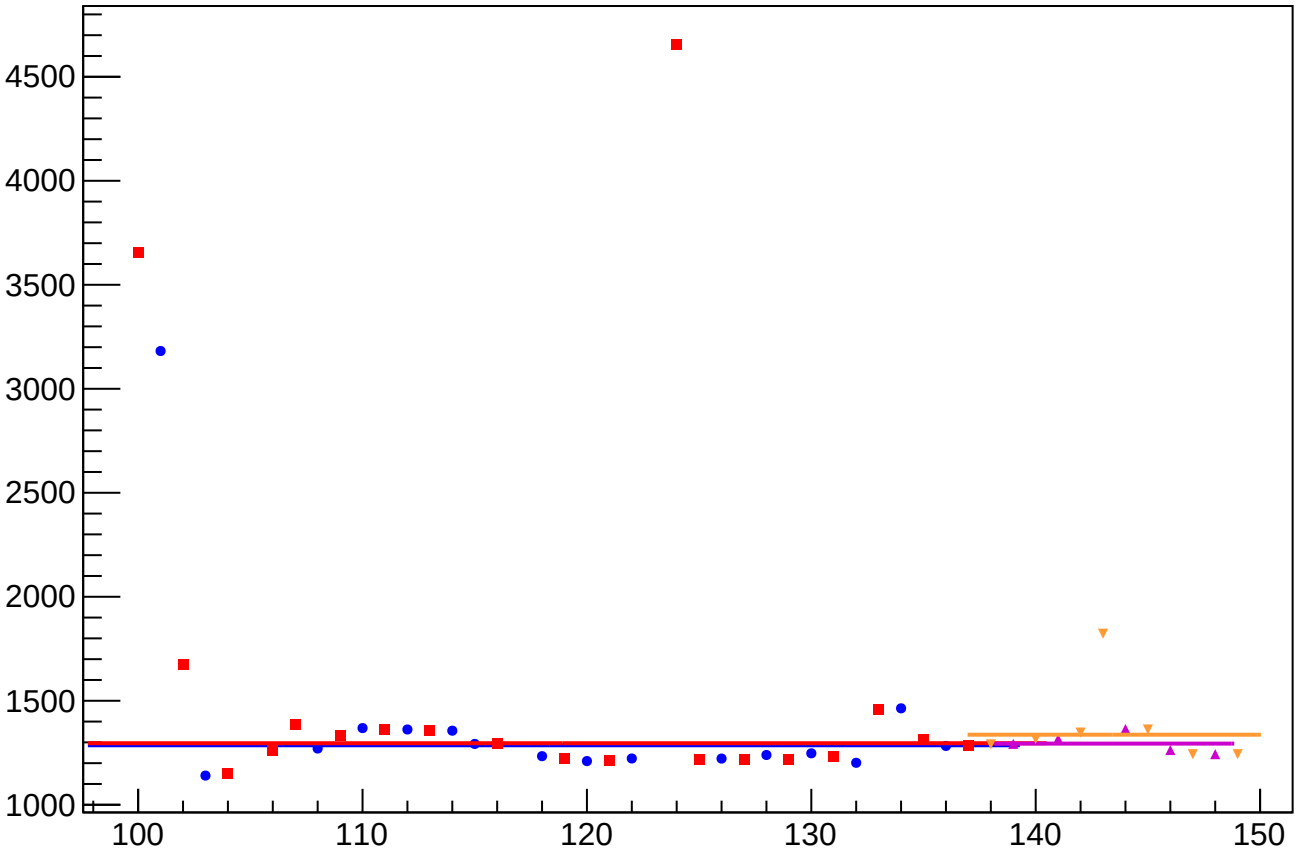
Left: -308.714+/-423.778 χ^2/NDF: 17.8/11

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -855.331+/-382.967 χ^2/NDF:23.2/20

Out: -112.599+/-372.798 χ^2/NDF:22.4/25

All: -473.973+/-267.131 χ^2/NDF: 47.5/46



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1336.831+/-0.411 χ^2/NDF:137890.3/6

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: 1316.780+/-0.300 χ^2/NDF: 152134.6/11

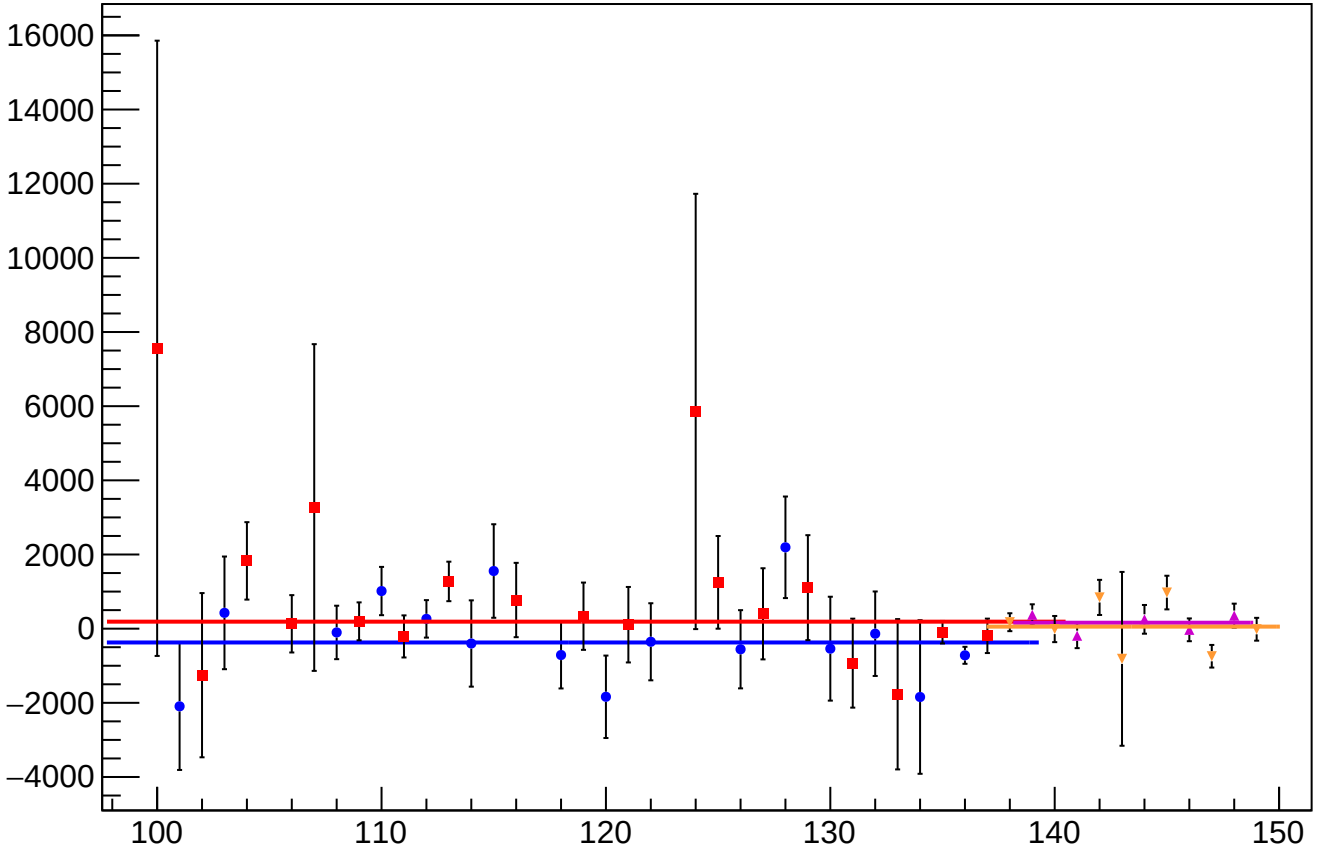
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.141+/-0.271 χ^2/NDF:527499.2/20

Out: 1312.755+/-0.264 χ^2/NDF:471785.2/25

All: 1301.266+/-0.189 χ^2/NDF: 1003188.7/46

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: 55.253+/-133.653 χ^2/NDF:14.2/6

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: 103.841+/-97.939 χ^2/NDF: 16.9/11

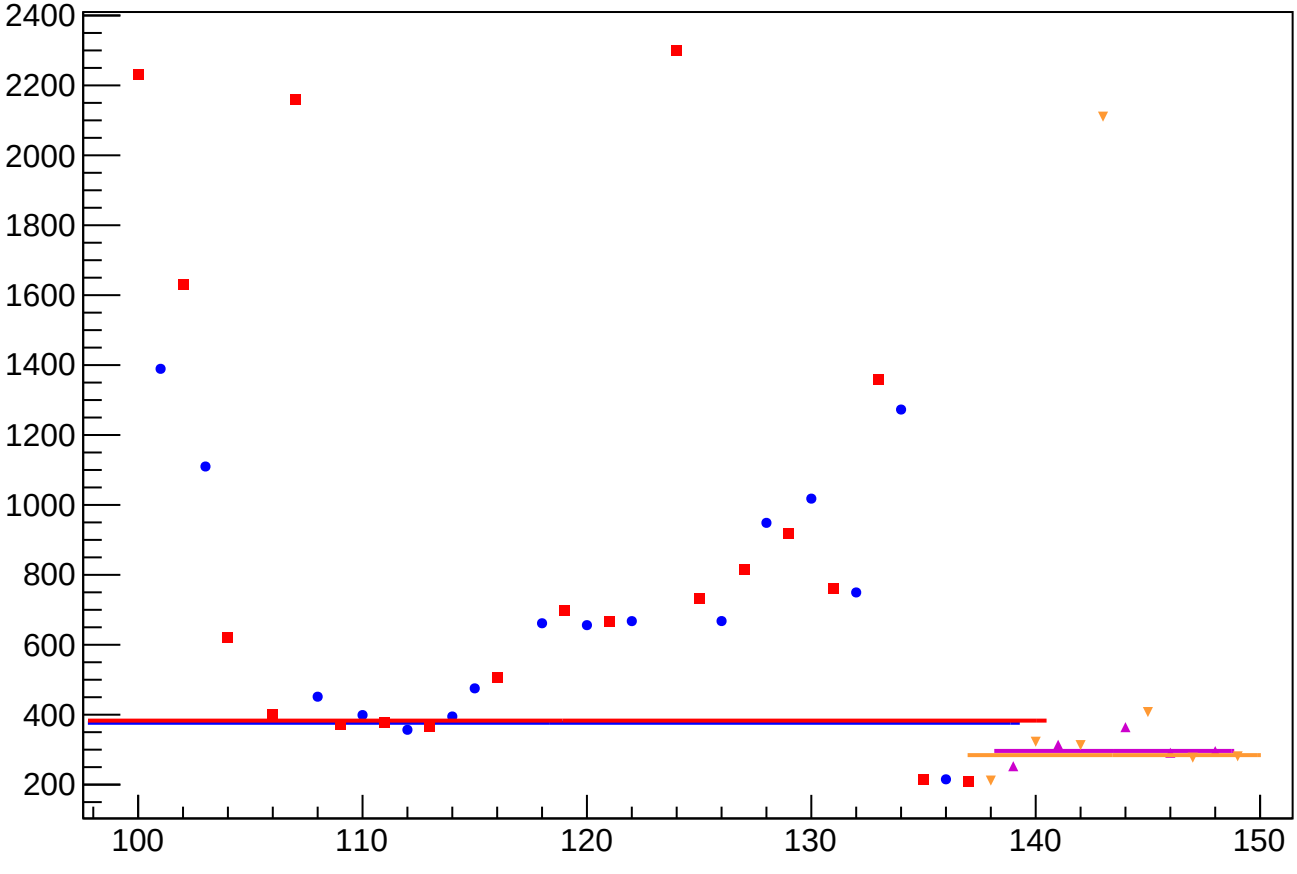
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -64.904+/-109.358 χ^2/NDF:26.4/20

Out: 106.480+/-104.969 χ^2/NDF:29.2/25

All: 24.296+/-75.728 χ^2/NDF: 56.9/46

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 284.379+/-0.095 χ^2/NDF:1575530.1/6

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

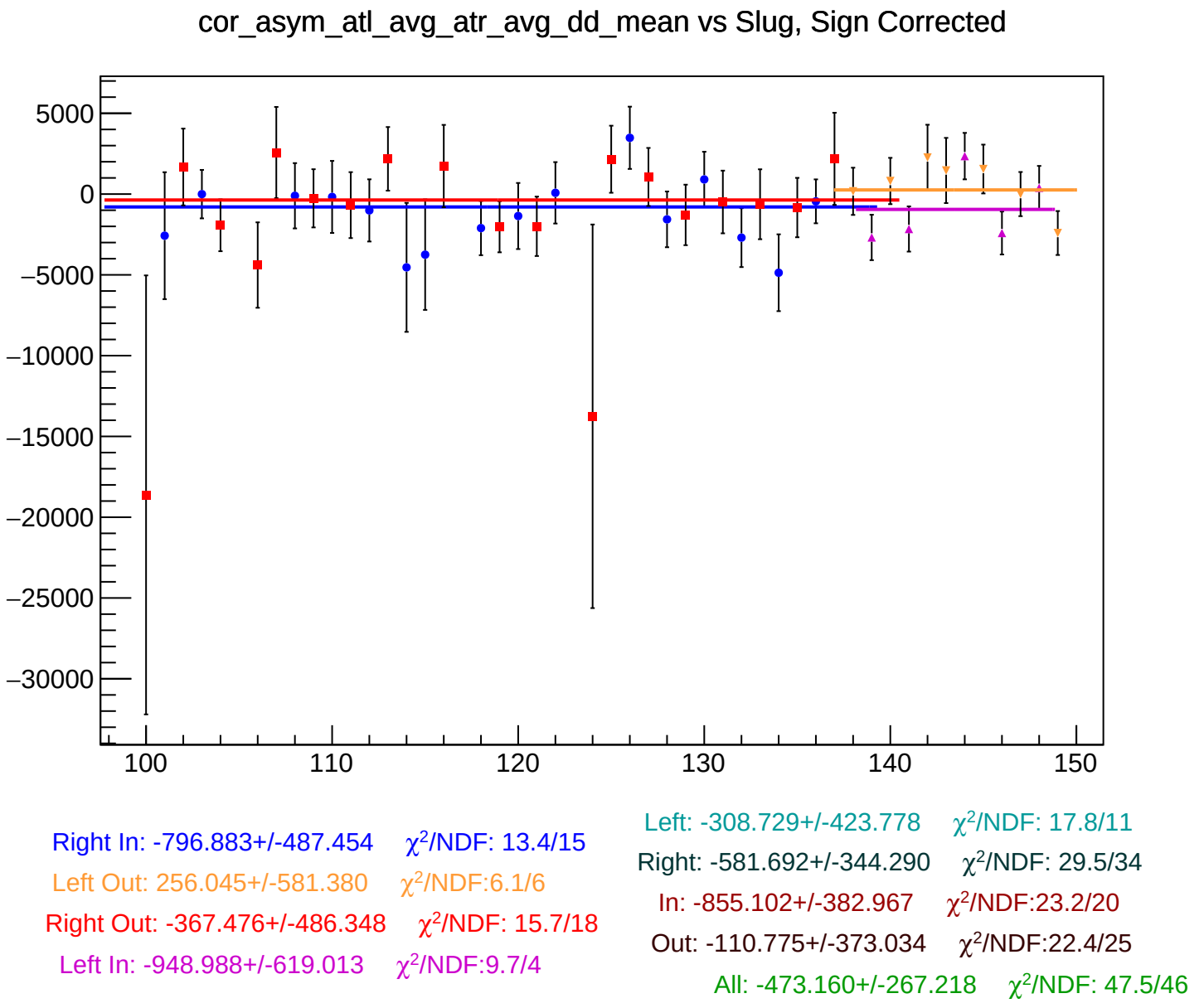
Left: 289.945+/-0.069 χ^2/NDF: 1698794.3/11

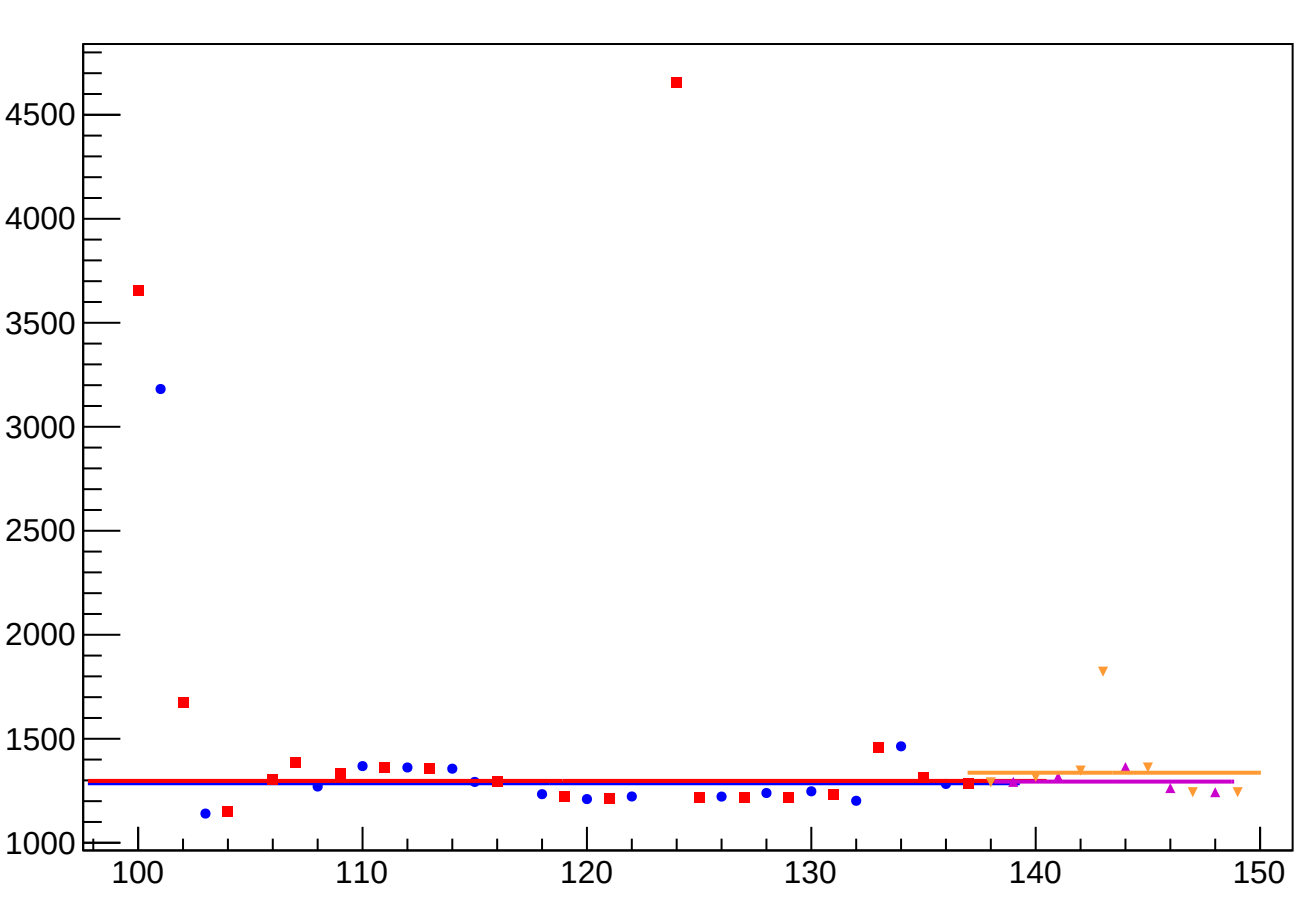
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 330.424+/-0.077 χ^2/NDF:4570379.0/20

Out: 322.196+/-0.074 χ^2/NDF:6047537.6/25

All: 326.142+/-0.054 χ^2/NDF: 10623808.5/46


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: 256.045+/-581.380 χ²/NDF:6.1/6
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -308.729+/-423.778 χ²/NDF: 17.8/11
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: -110.775+/-373.034 χ²/NDF:22.4/25
All: -473.160+/-267.218 χ²/NDF: 47.5/46



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1336.831+/-0.411 χ^2/NDF:137890.3/6

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: 1316.780+/-0.300 χ^2/NDF: 152134.6/11

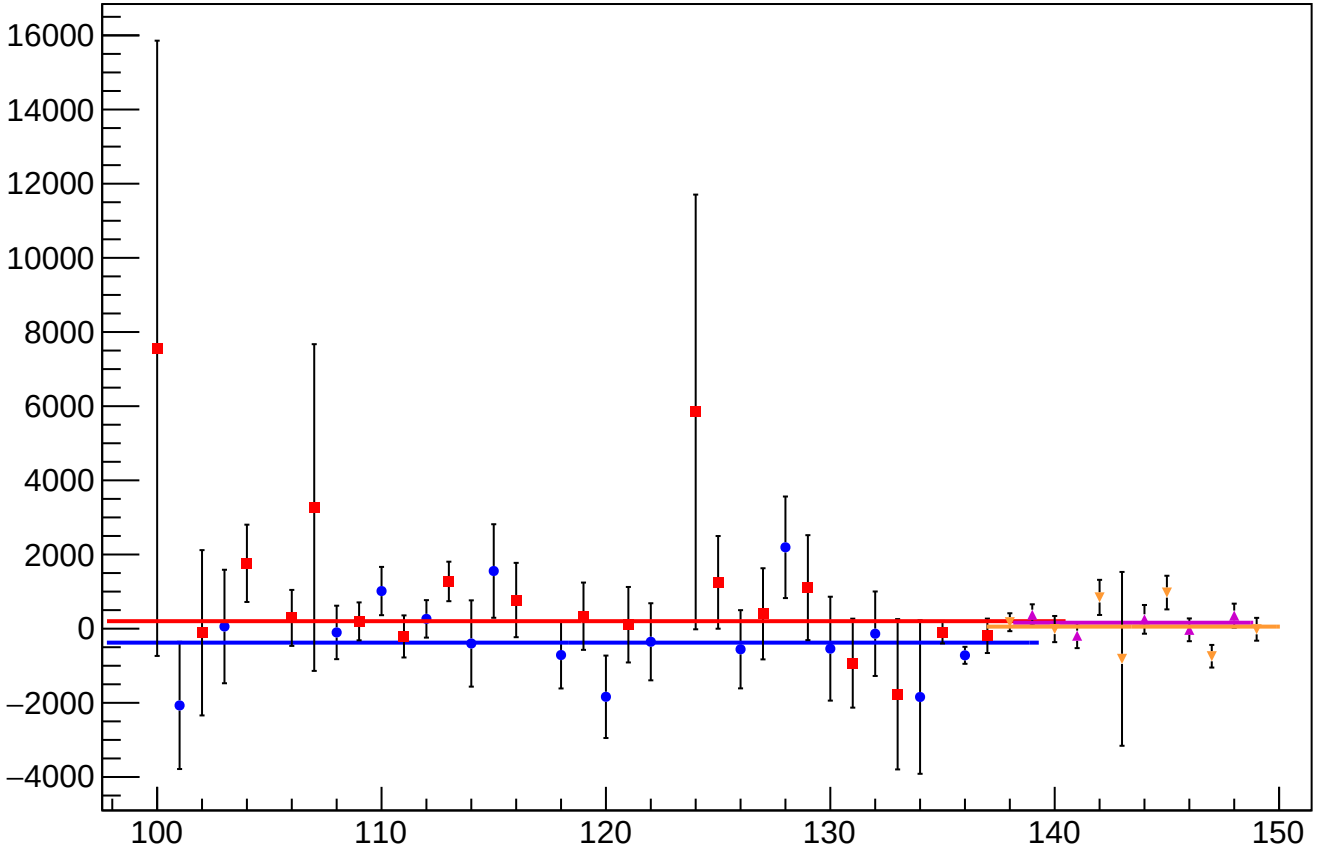
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1313.630+/-0.264 χ^2/NDF:471046.1/25

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

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: 55.218+/-133.658 χ^2/NDF:14.2/6

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: 103.868+/-97.940 χ^2/NDF: 16.9/11

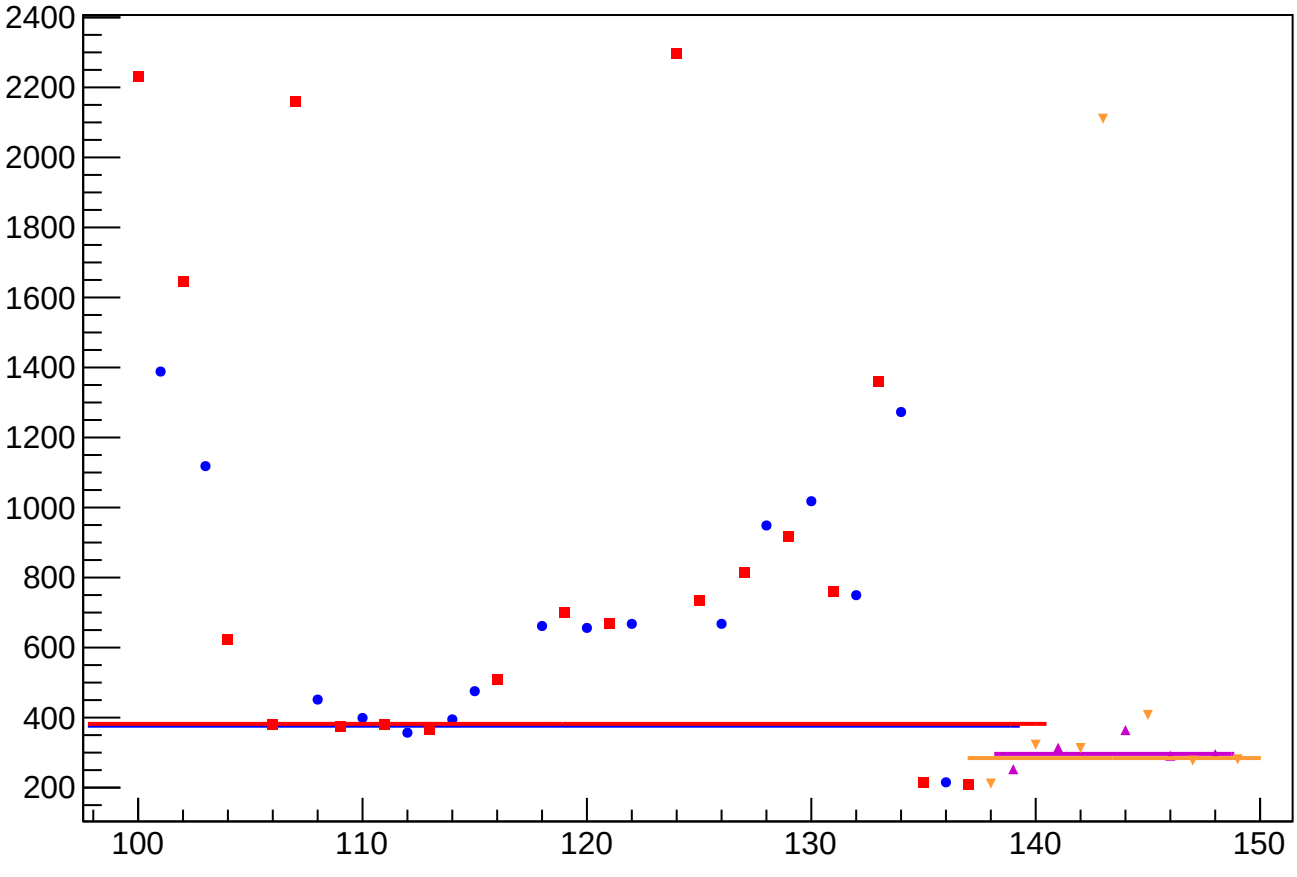
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 111.600+/-104.924 χ^2/NDF:28.7/25

All: 26.143+/-75.713 χ^2/NDF: 56.4/46

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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

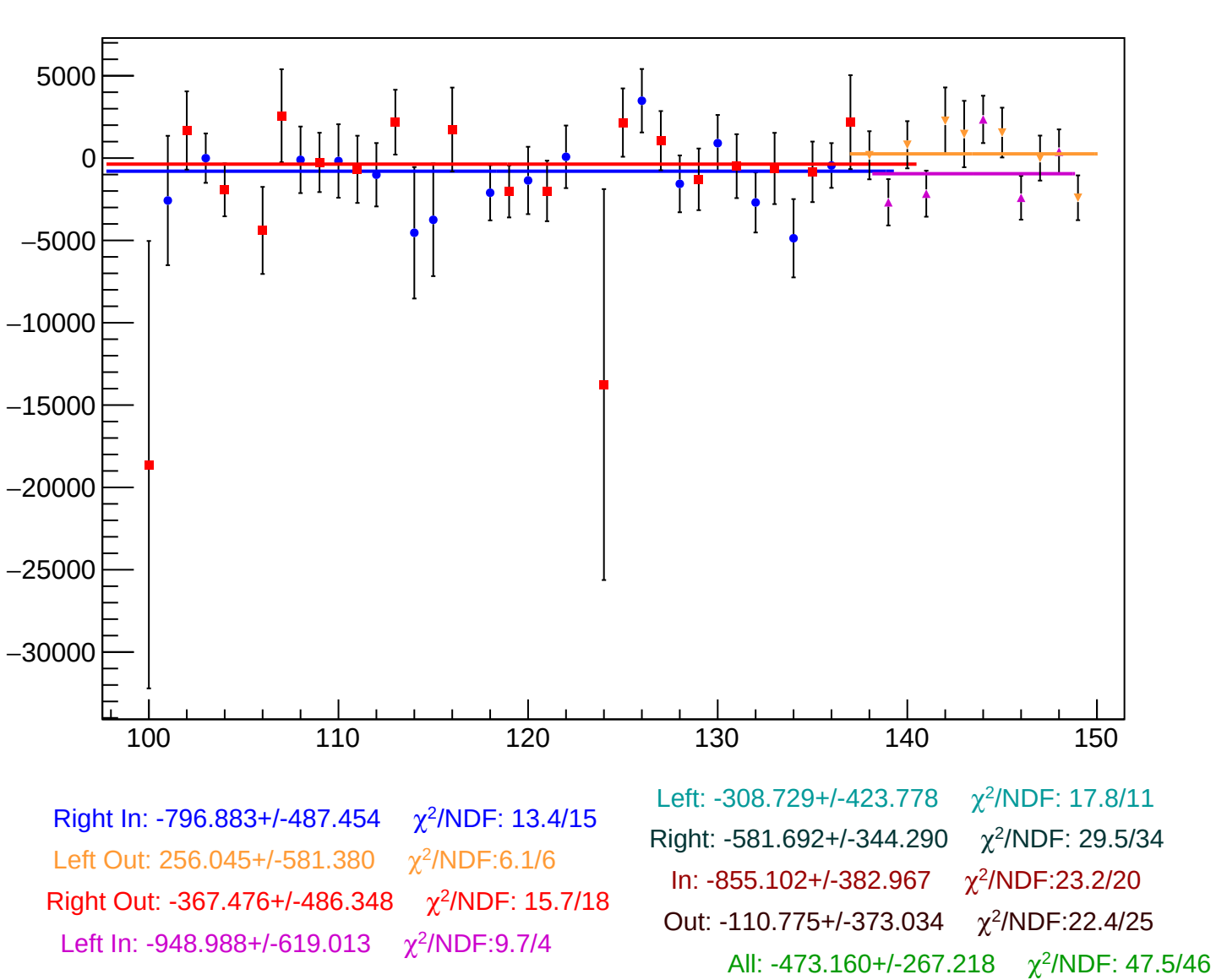
Left: 289.951+/-0.069 χ^2/NDF: 1698767.4/11

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 321.899+/-0.074 χ^2/NDF:6045606.2/25

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
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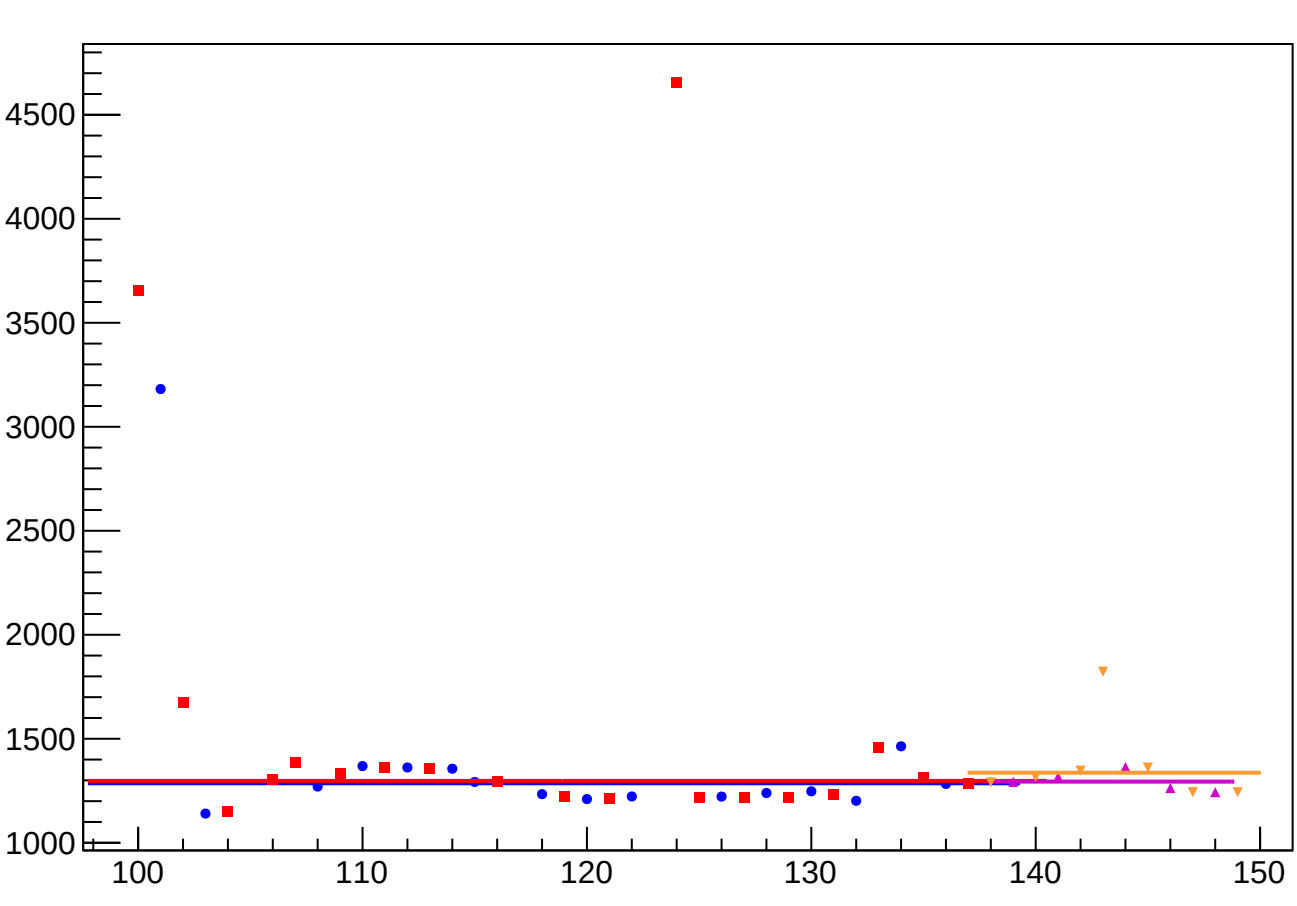
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 256.045+/-581.380 χ²/NDF:6.1/6
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -308.729+/-423.778 χ²/NDF: 17.8/11
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: -110.775+/-373.034 χ²/NDF:22.4/25
All: -473.160+/-267.218 χ²/NDF: 47.5/46



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1336.831+/-0.411 χ^2/NDF:137890.3/6

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: 1316.780+/-0.300 χ^2/NDF: 152134.6/11

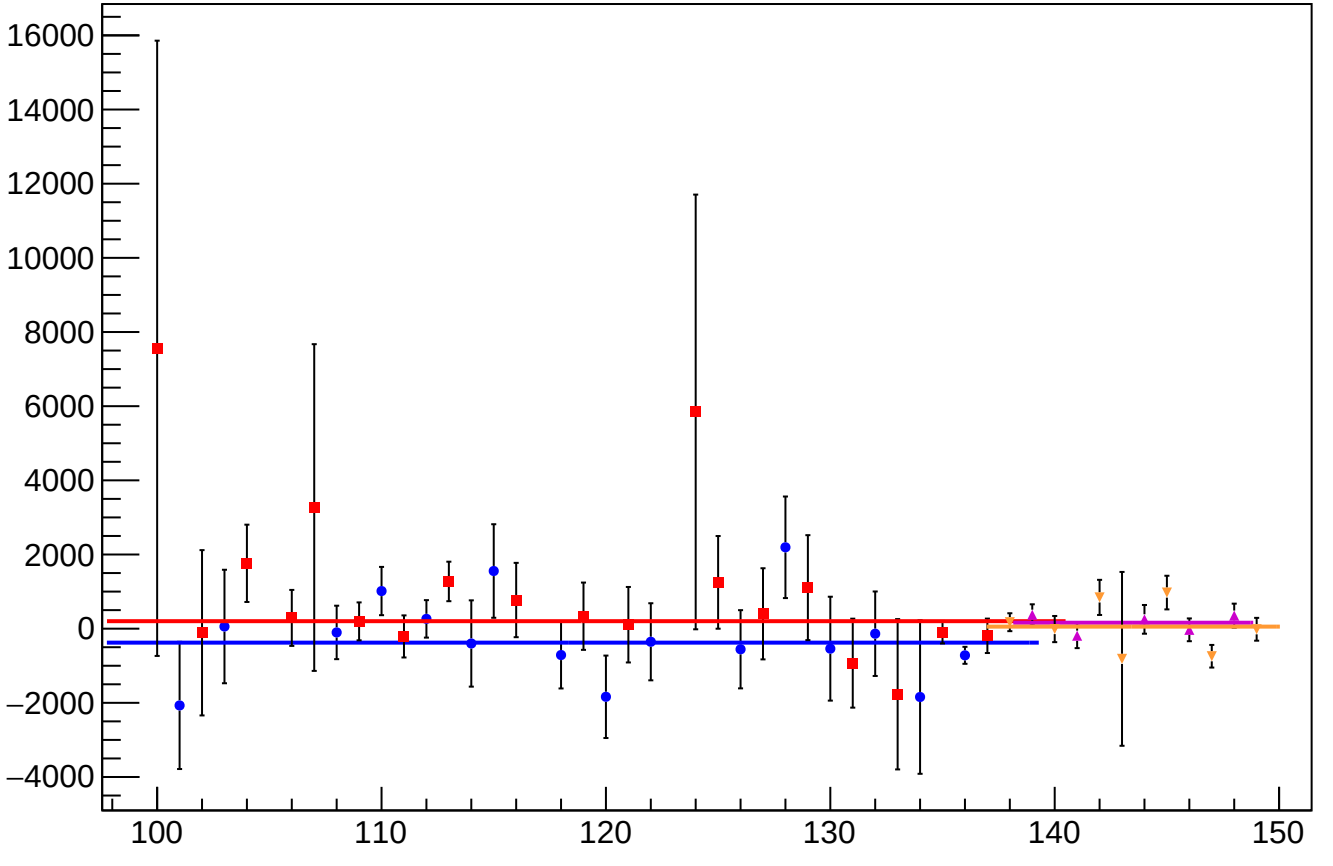
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1313.630+/-0.264 χ^2/NDF:471046.1/25

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

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: 55.218+/-133.658 χ^2/NDF:14.2/6

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: 103.868+/-97.940 χ^2/NDF: 16.9/11

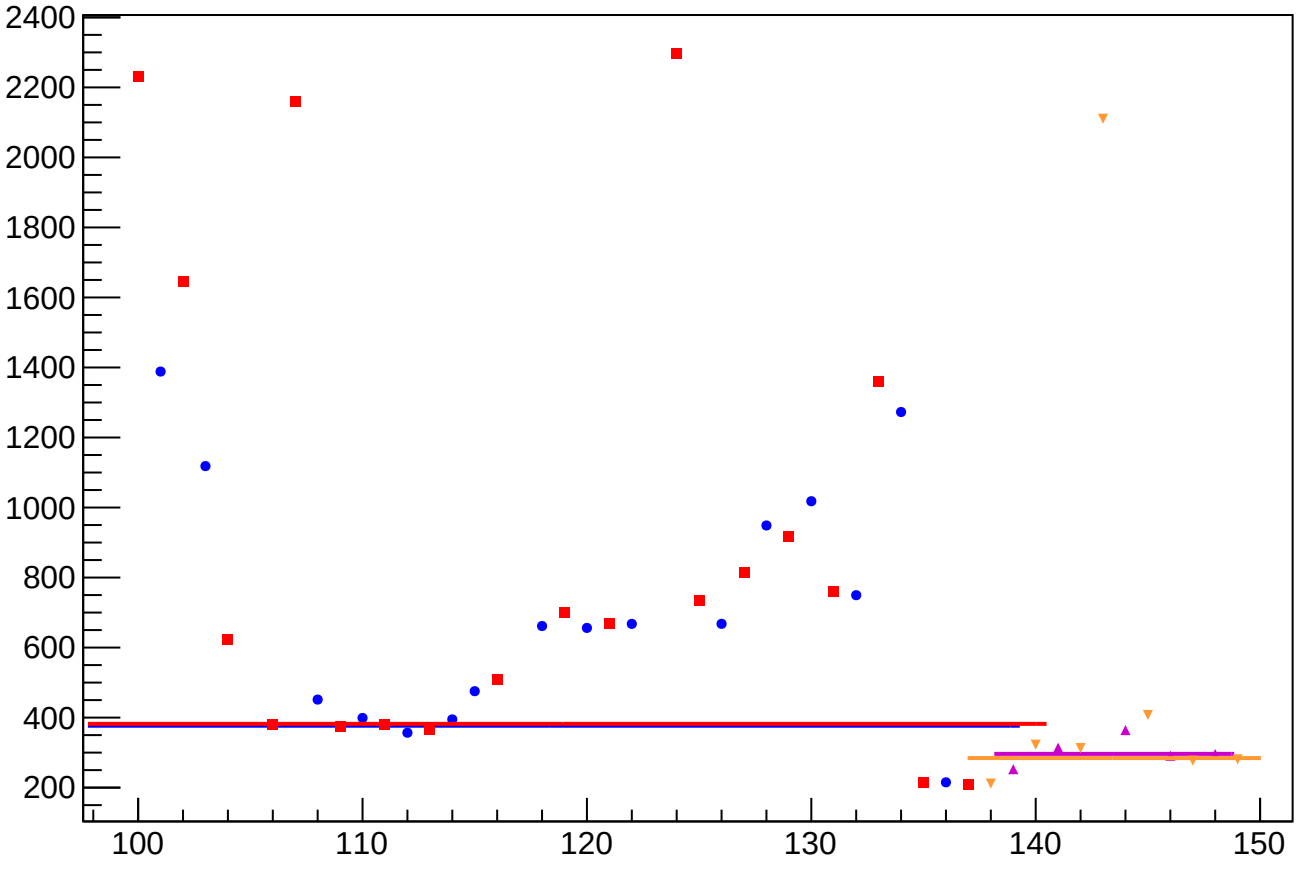
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 111.600+/-104.924 χ^2/NDF:28.7/25

All: 26.143+/-75.713 χ^2/NDF: 56.4/46

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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

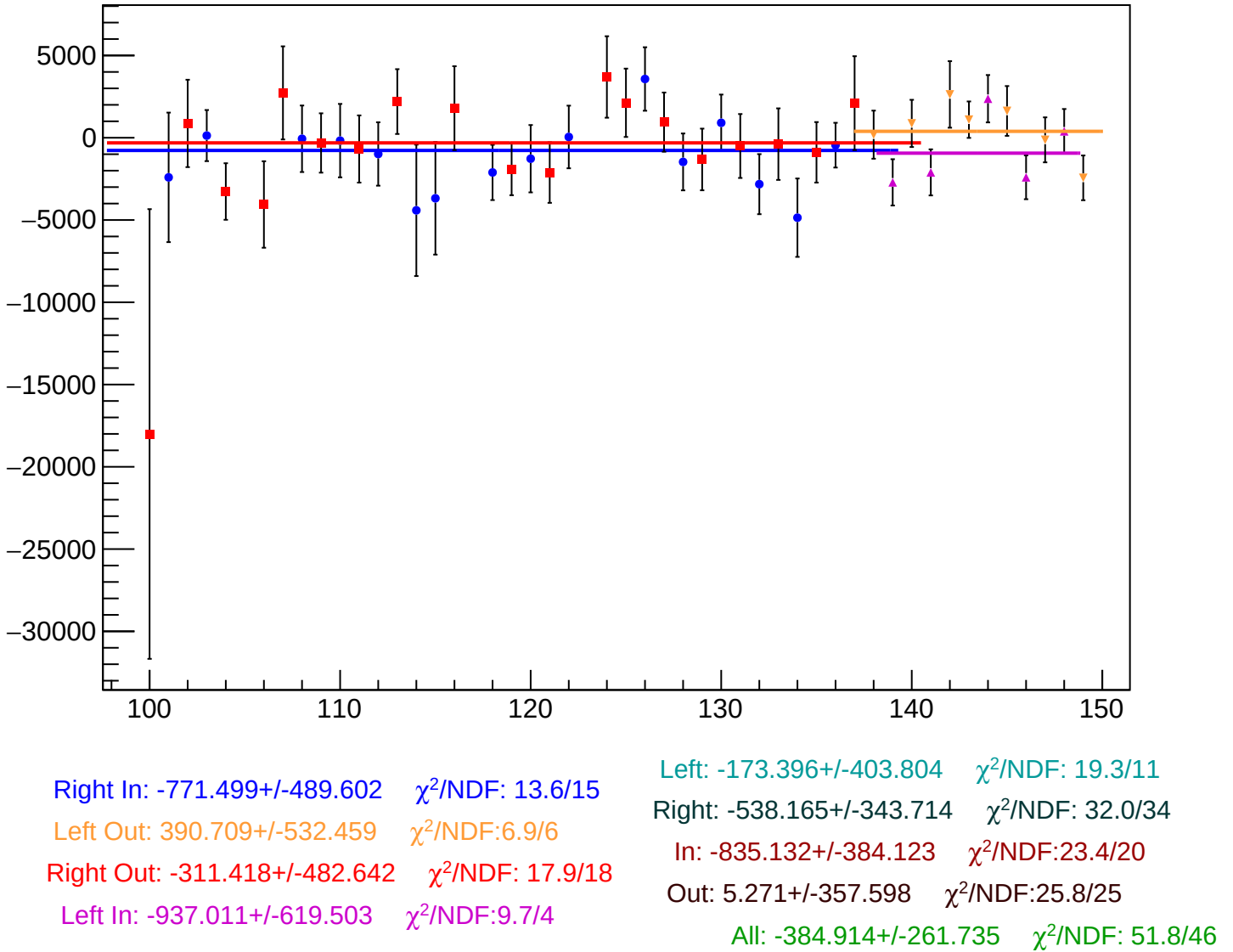
Left: 289.951+/-0.069 χ^2/NDF: 1698767.4/11

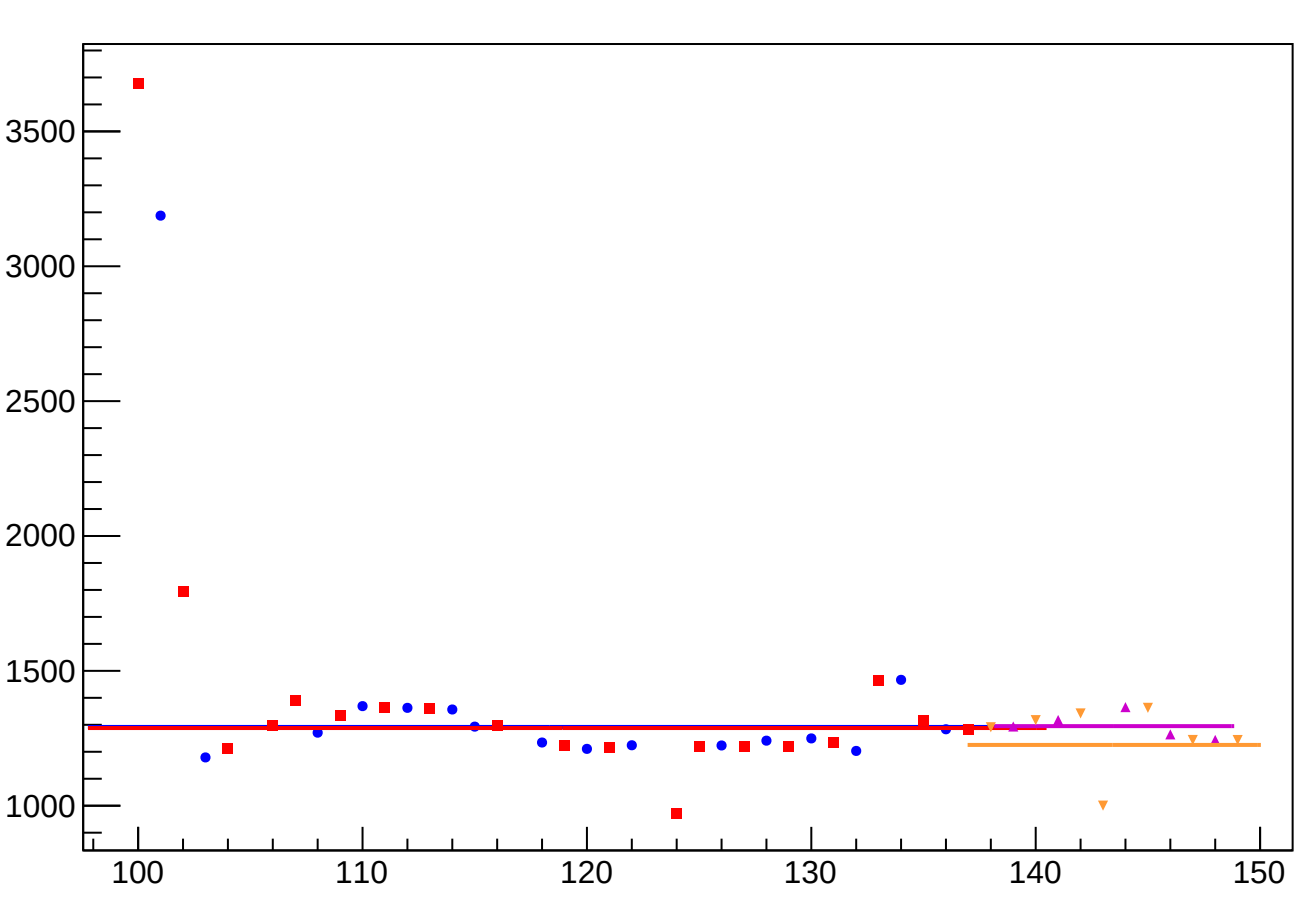
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 321.899+/-0.074 χ^2/NDF:6045606.2/25

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46


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: 390.709+/-532.459 χ²/NDF:6.9/6
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -937.011+/-619.503 χ²/NDF:9.7/4
Left: -173.396+/-403.804 χ²/NDF: 19.3/11
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 5.271+/-357.598 χ²/NDF:25.8/25
All: -384.914+/-261.735 χ²/NDF: 51.8/46



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1225.386+/-0.377 χ^2/NDF:118799.5/6

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1295.063+/-0.438 χ^2/NDF:9218.0/4

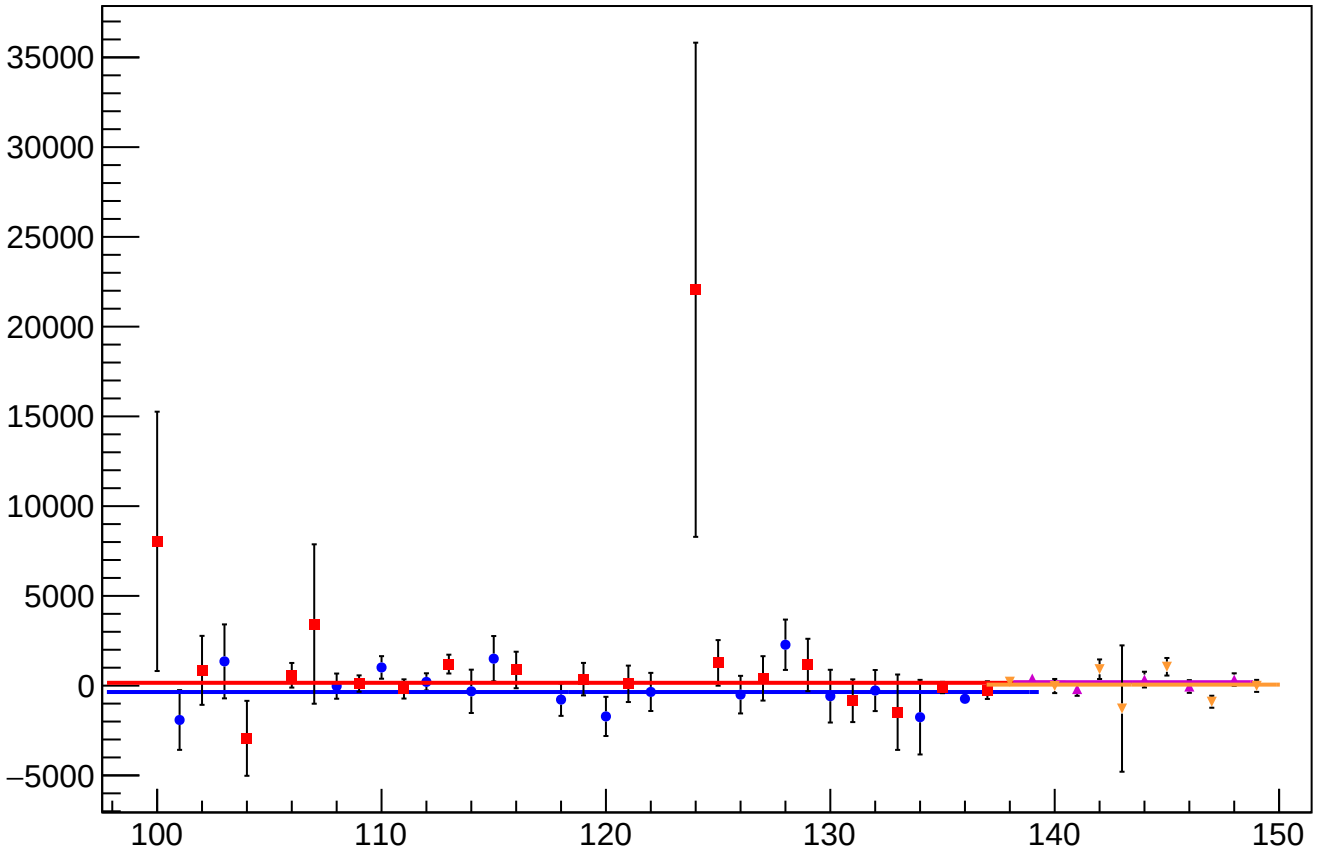
Left: 1254.989+/-0.286 χ^2/NDF: 142568.6/11

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1259.752+/-0.253 χ^2/NDF:343185.2/25

All: 1275.282+/-0.185 χ^2/NDF: 869963.2/46



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 57.041+/-143.217 χ^2/NDF:15.4/6

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: 118.932+/-105.393 χ^2/NDF: 18.1/11

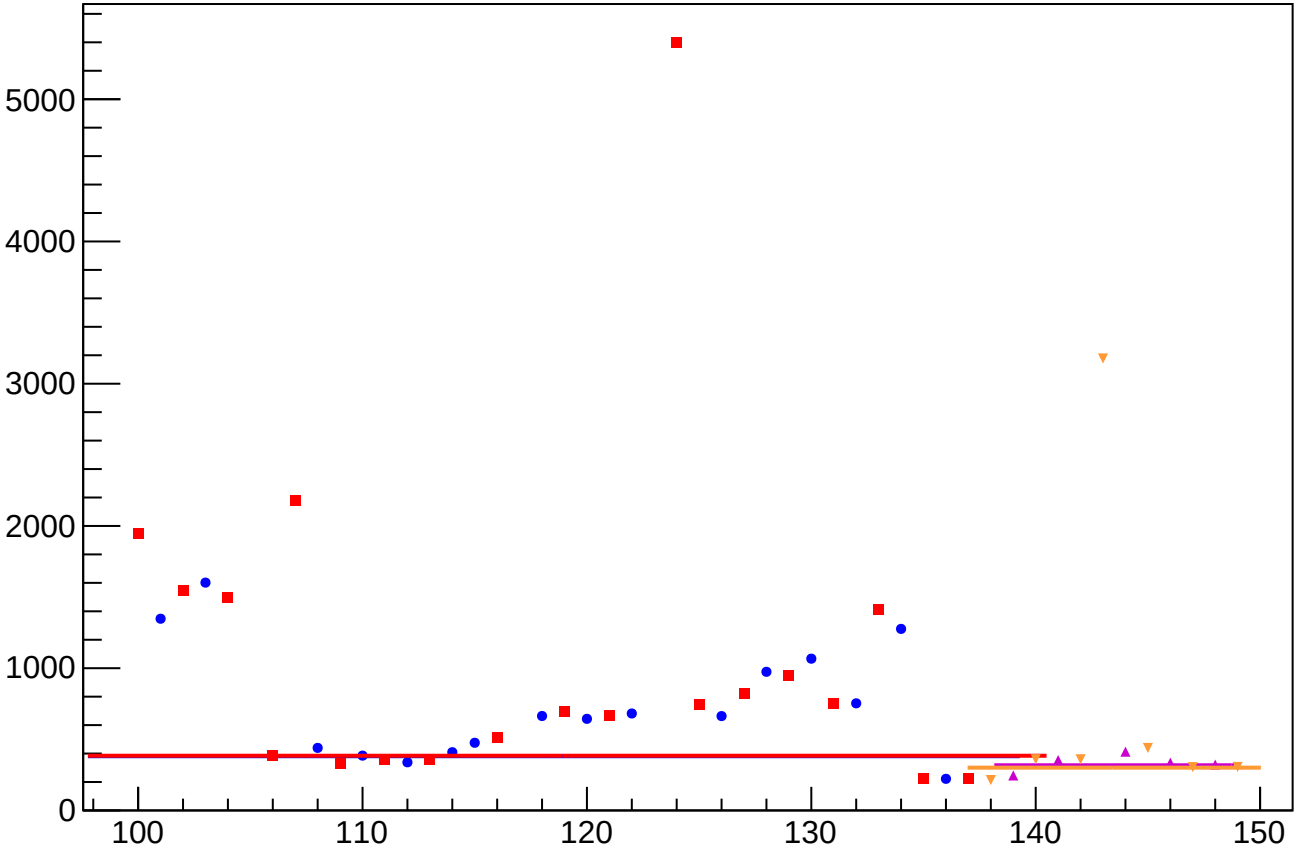
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -57.578+/-114.792 χ^2/NDF:26.4/20

Out: 99.015+/-109.439 χ^2/NDF:31.4/25

All: 24.454+/-79.210 χ^2/NDF: 58.8/46

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: 300.837+/-0.101 χ^2/NDF:1822142.5/6

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

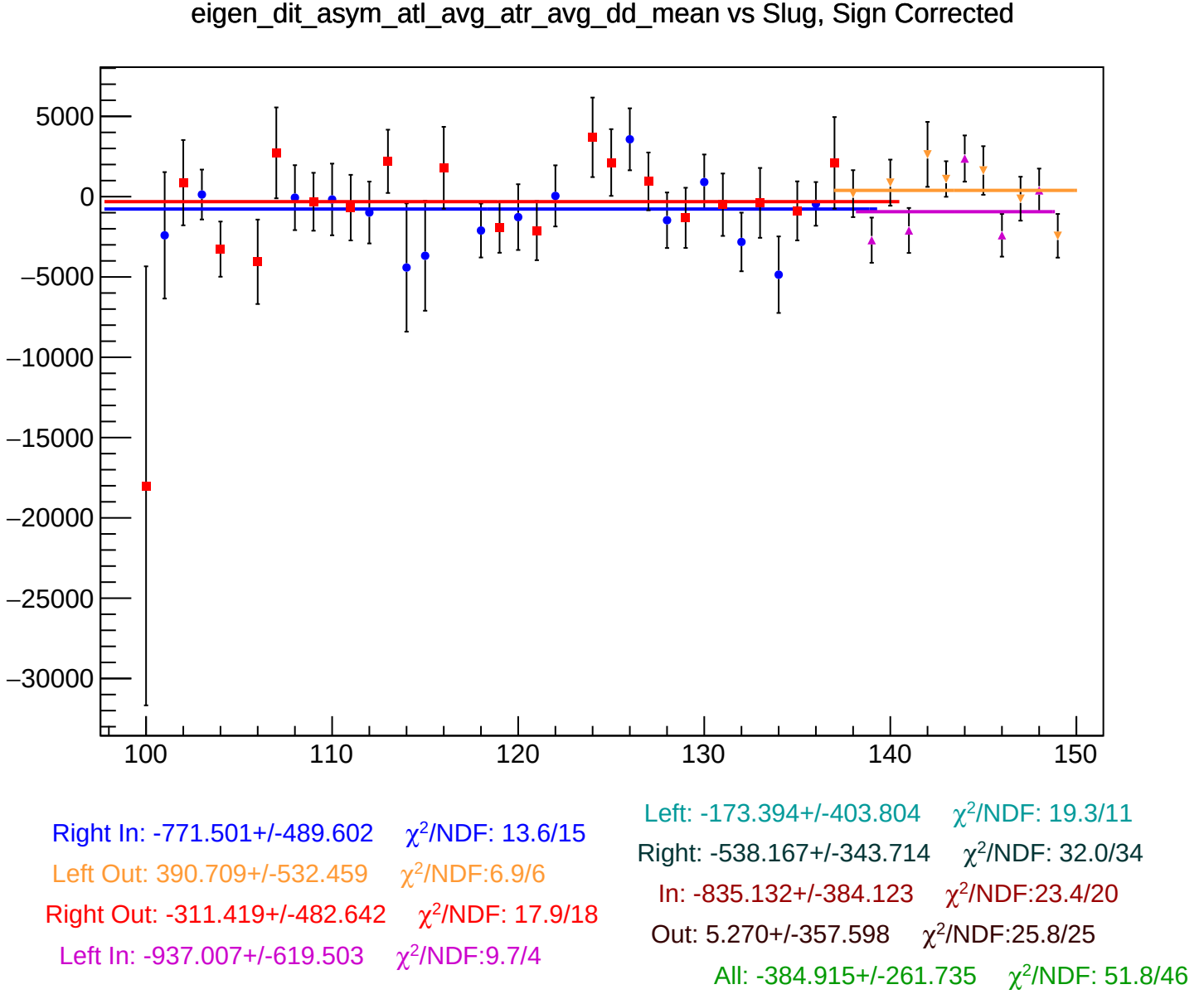
Left: 308.573+/-0.075 χ^2/NDF: 2088778.6/11

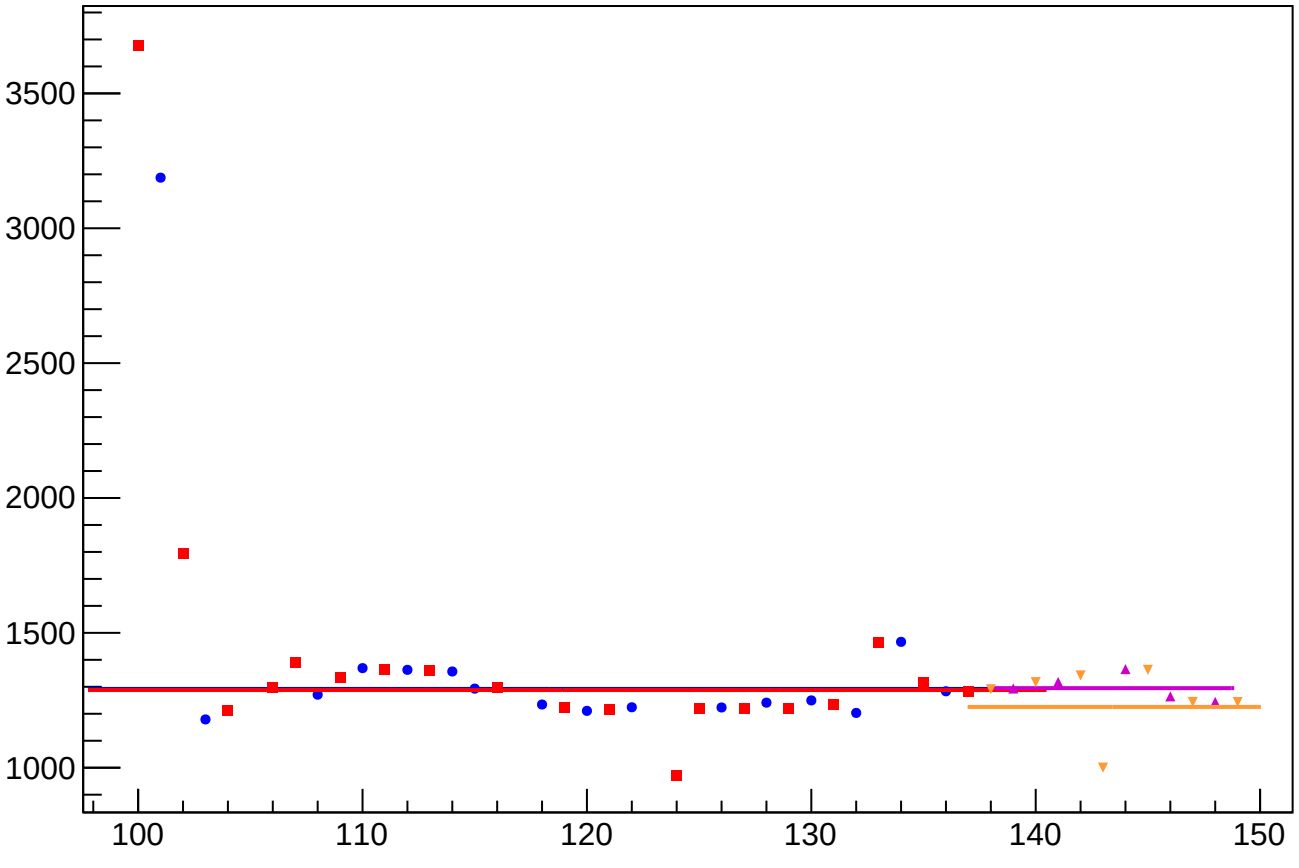
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 346.737+/-0.081 χ^2/NDF:4724318.2/20

Out: 335.709+/-0.077 χ^2/NDF:6667347.3/25

All: 340.960+/-0.056 χ^2/NDF: 11401334.9/46


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: 390.709+/-532.459 χ²/NDF:6.9/6
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -937.007+/-619.503 χ²/NDF:9.7/4
Left: -173.394+/-403.804 χ²/NDF: 19.3/11
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 5.270+/-357.598 χ²/NDF:25.8/25
All: -384.915+/-261.735 χ²/NDF: 51.8/46



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1225.386+/-0.377 χ^2/NDF:118798.7/6

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: 1254.990+/-0.286 χ^2/NDF: 142567.7/11

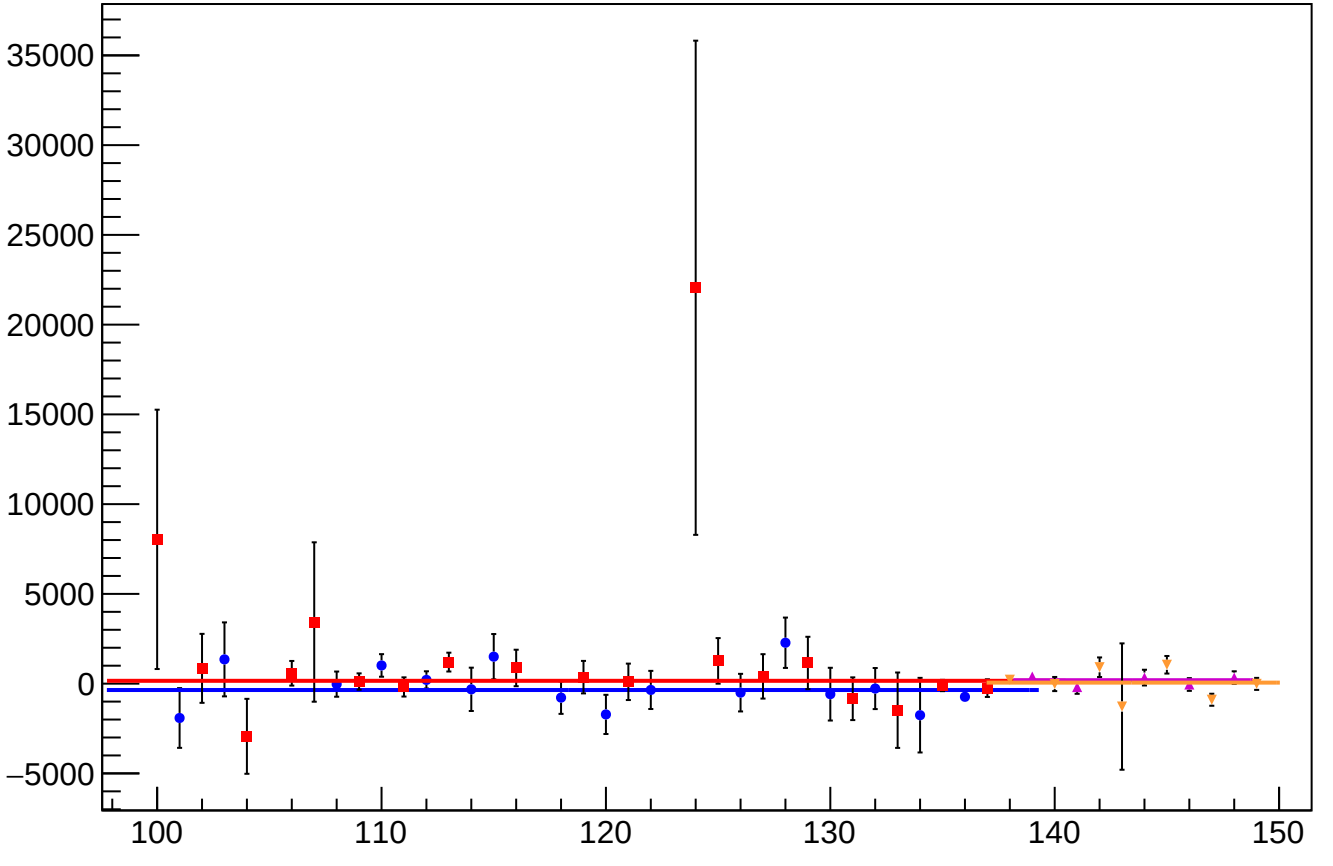
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1259.752+/-0.253 χ^2/NDF:343184.6/25

All: 1275.282+/-0.185 χ^2/NDF: 869962.5/46

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: 57.035+/-143.220 χ^2/NDF:15.4/6

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: 118.930+/-105.395 χ^2/NDF: 18.1/11

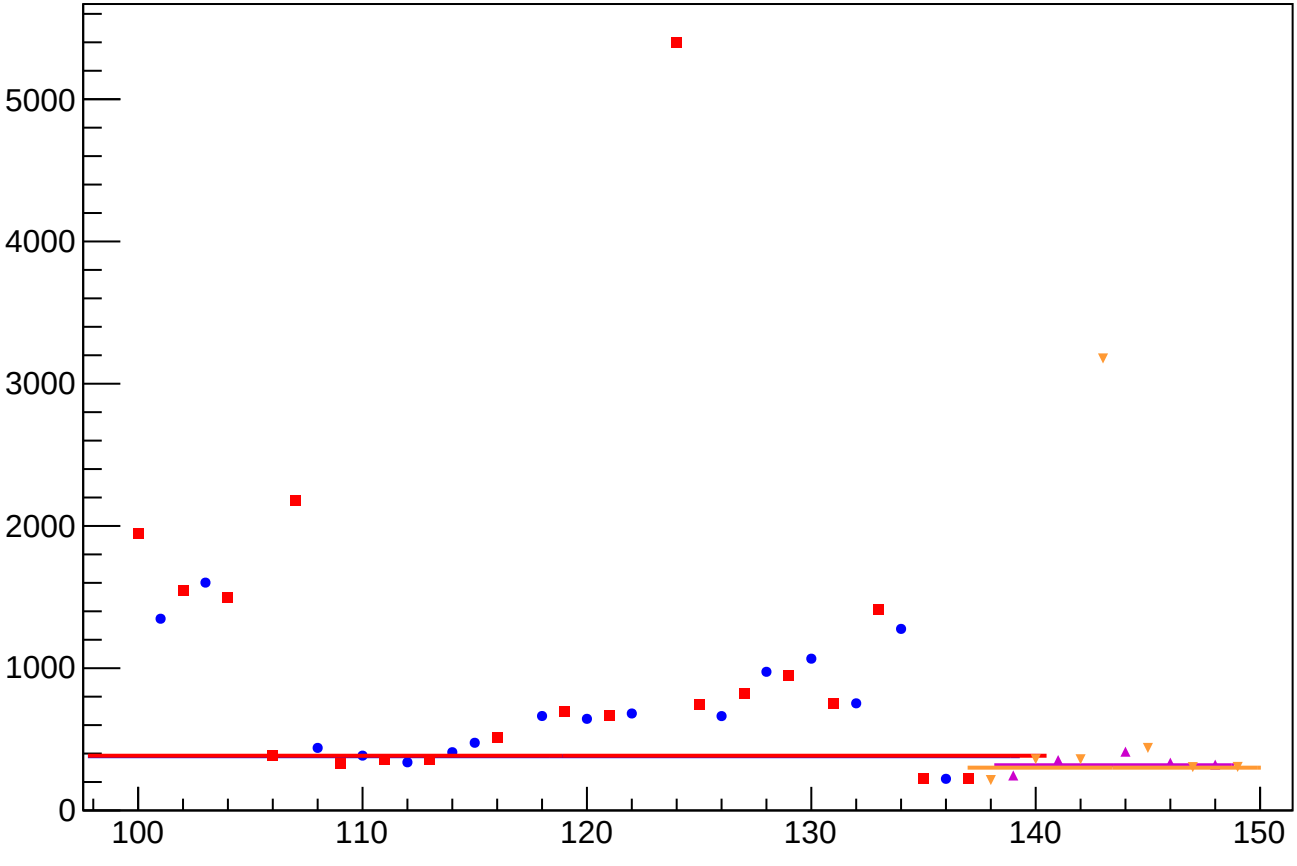
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -57.577+/-114.794 χ^2/NDF:26.4/20

Out: 99.014+/-109.441 χ^2/NDF:31.4/25

All: 24.454+/-79.212 χ^2/NDF: 58.8/46

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 300.845+/-0.101 χ^2/NDF:1822040.2/6

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

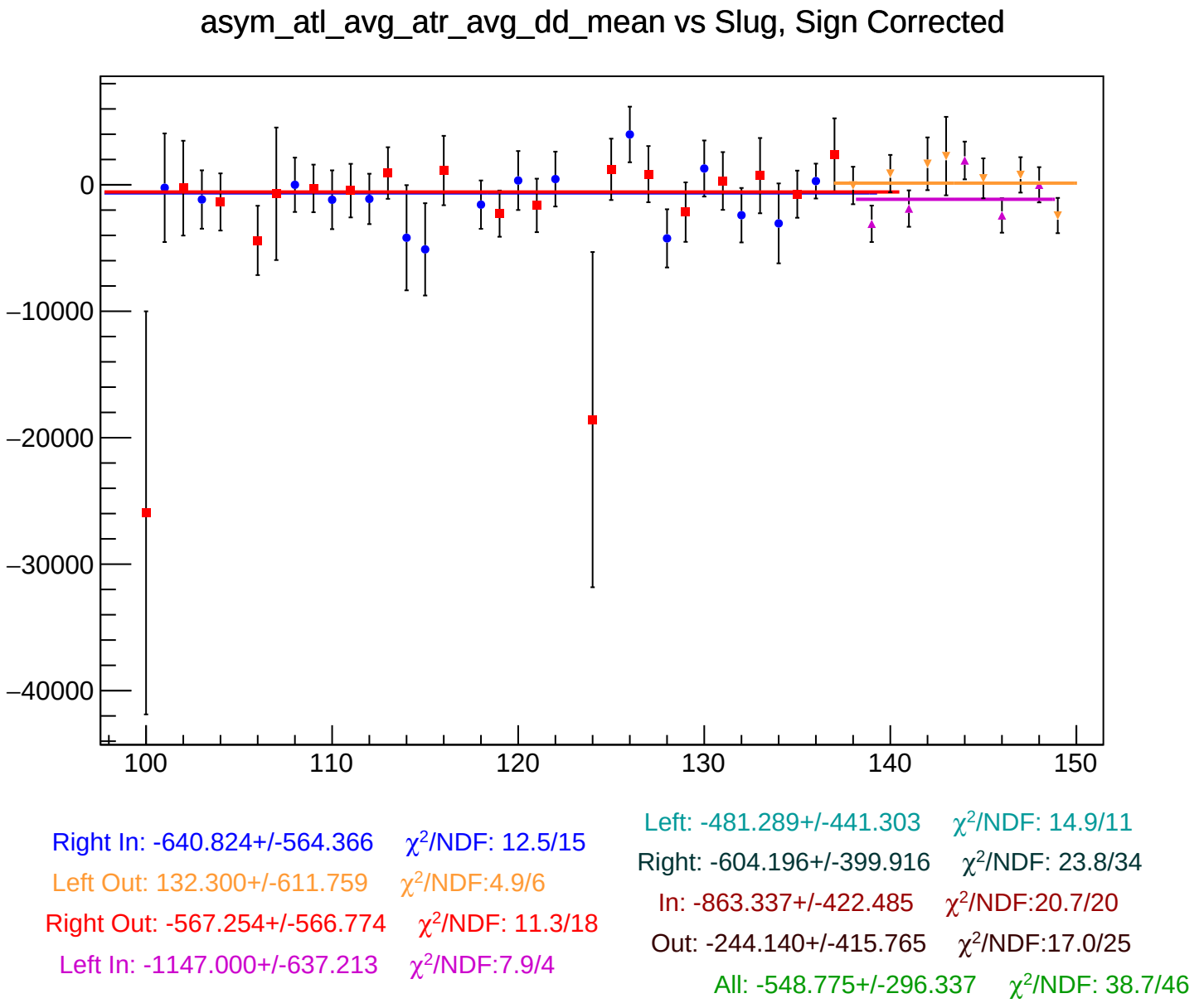
Left: 308.580+/-0.075 χ^2/NDF: 2088604.7/11

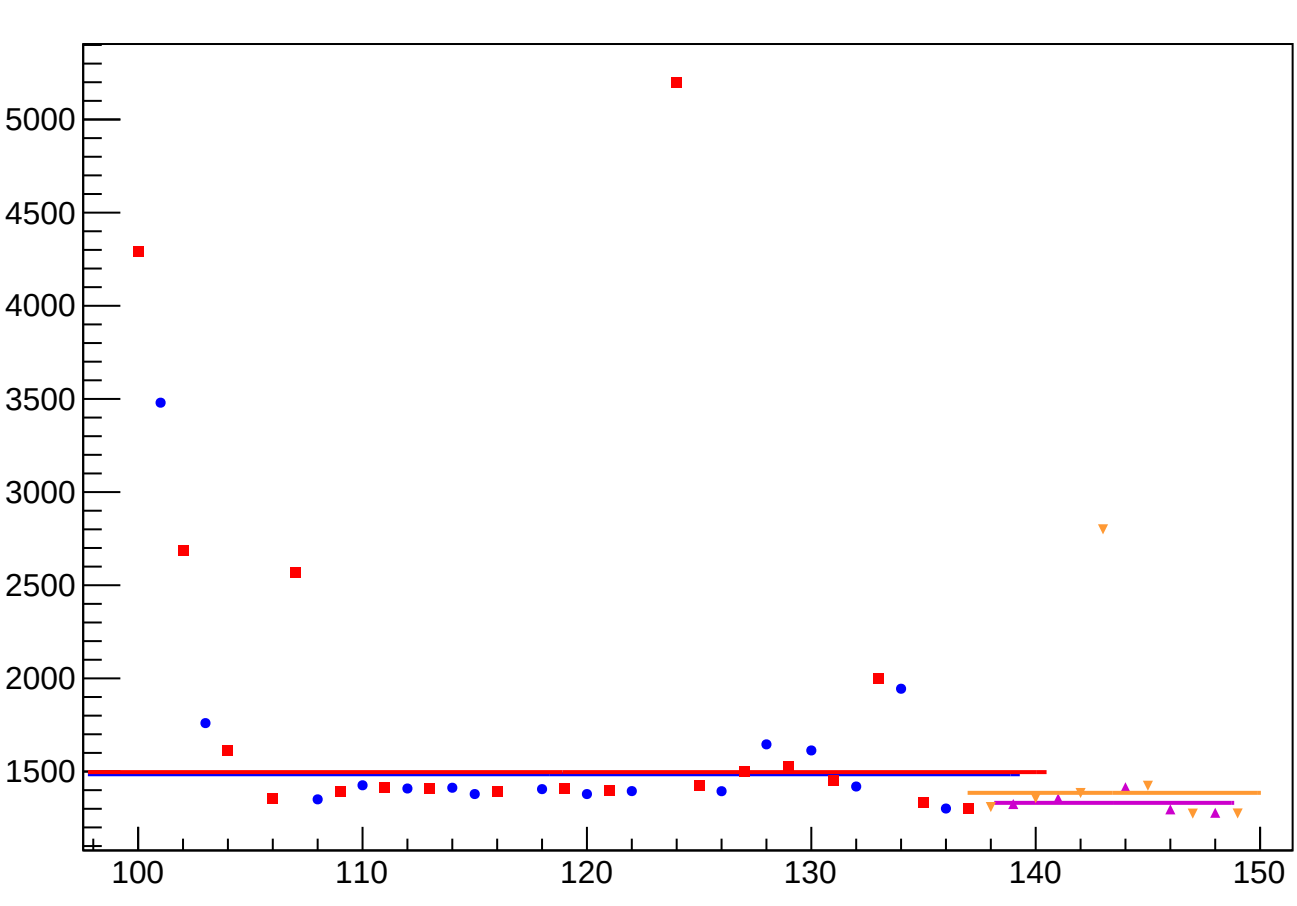
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 346.745+/-0.081 χ^2/NDF:4724072.8/20

Out: 335.717+/-0.077 χ^2/NDF:6667094.4/25

All: 340.968+/-0.056 χ^2/NDF: 11400836.5/46


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 132.300+/-611.759 χ²/NDF:4.9/6
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -1147.000+/-637.213 χ²/NDF:7.9/4
Left: -481.289+/-441.303 χ²/NDF: 14.9/11
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -863.337+/-422.485 χ²/NDF:20.7/20
Out: -244.140+/-415.765 χ²/NDF:17.0/25
All: -548.775+/-296.337 χ²/NDF: 38.7/46



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1385.641+/-0.433 χ^2/NDF:448067.7/6

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

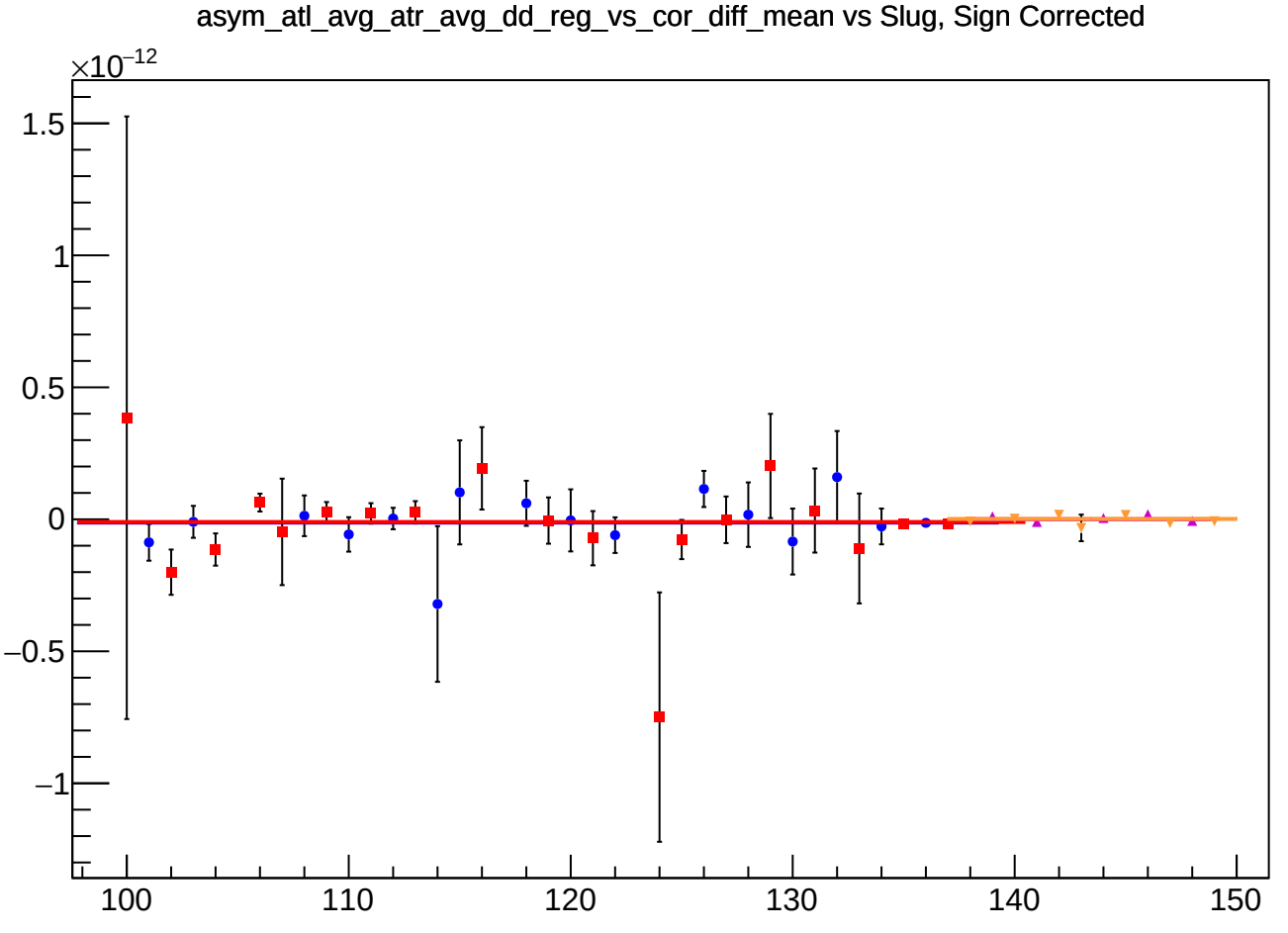
Left: 1359.853+/-0.312 χ^2/NDF: 466560.2/11

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1417.894+/-0.299 χ^2/NDF:660589.5/20

Out: 1445.493+/-0.294 χ^2/NDF:1106935.7/25

All: 1431.915+/-0.210 χ^2/NDF: 1771860.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

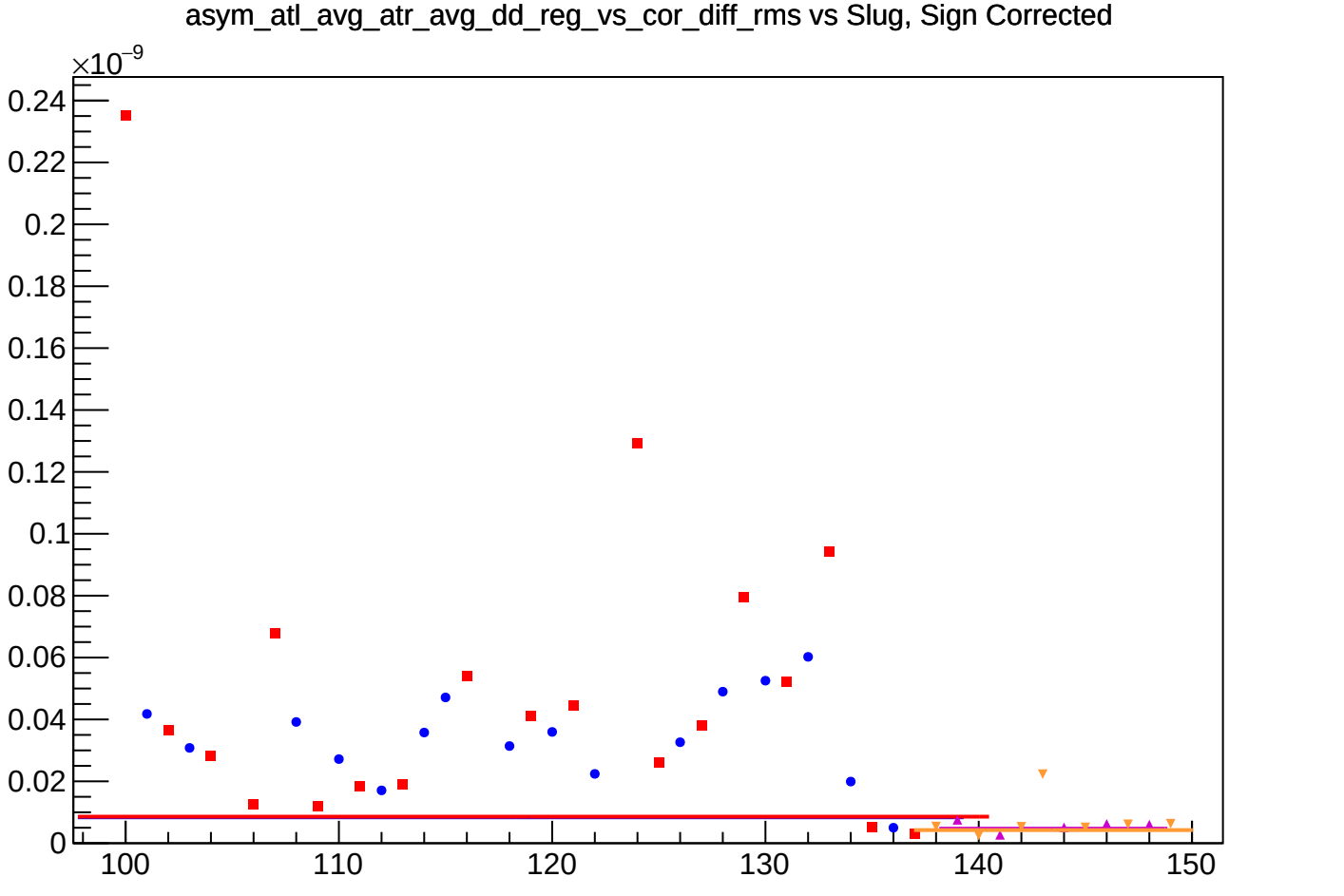
Left: 0.000+/-0.000 χ^2/NDF: 17.5/11

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

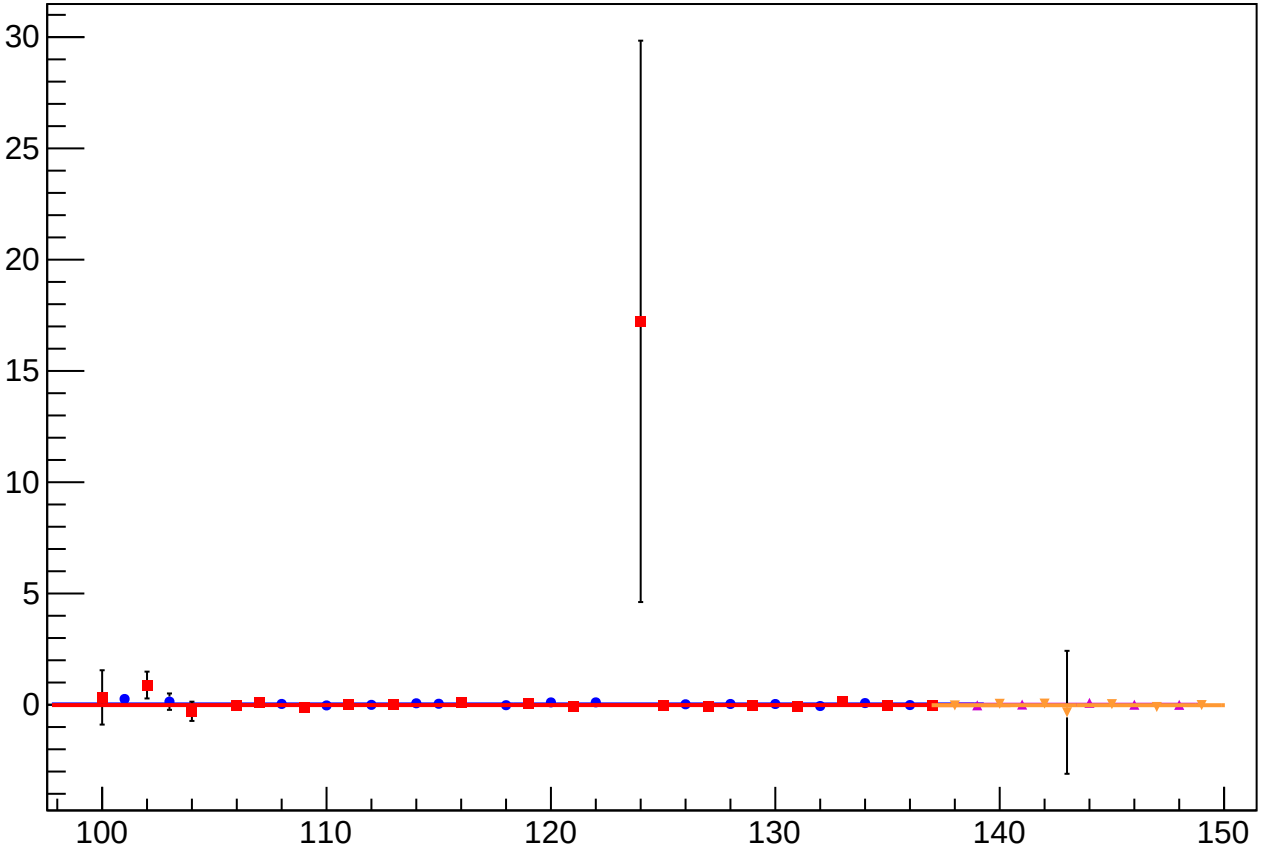
In: -0.000+/-0.000 χ^2/NDF:19.9/20

Out: -0.000+/-0.000 χ^2/NDF:33.4/25

All: -0.000+/-0.000 χ^2/NDF: 53.5/46


asym_atl_avg_atr_avg_dd_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
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:713900.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:456853.5/4
Left: 0.000+/-0.000 χ²/NDF: 1187819.3/11
Right: 0.000+/-0.000 χ²/NDF: 6408892.5/34
In: 0.000+/-0.000 χ²/NDF:3907078.9/20
Out: 0.000+/-0.000 χ²/NDF:4561709.9/25
All: 0.000+/-0.000 χ²/NDF: 8500999.2/46

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.019+/-0.015 χ^2/NDF:9.2/6

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+/-0.011 χ^2/NDF: 13.5/11

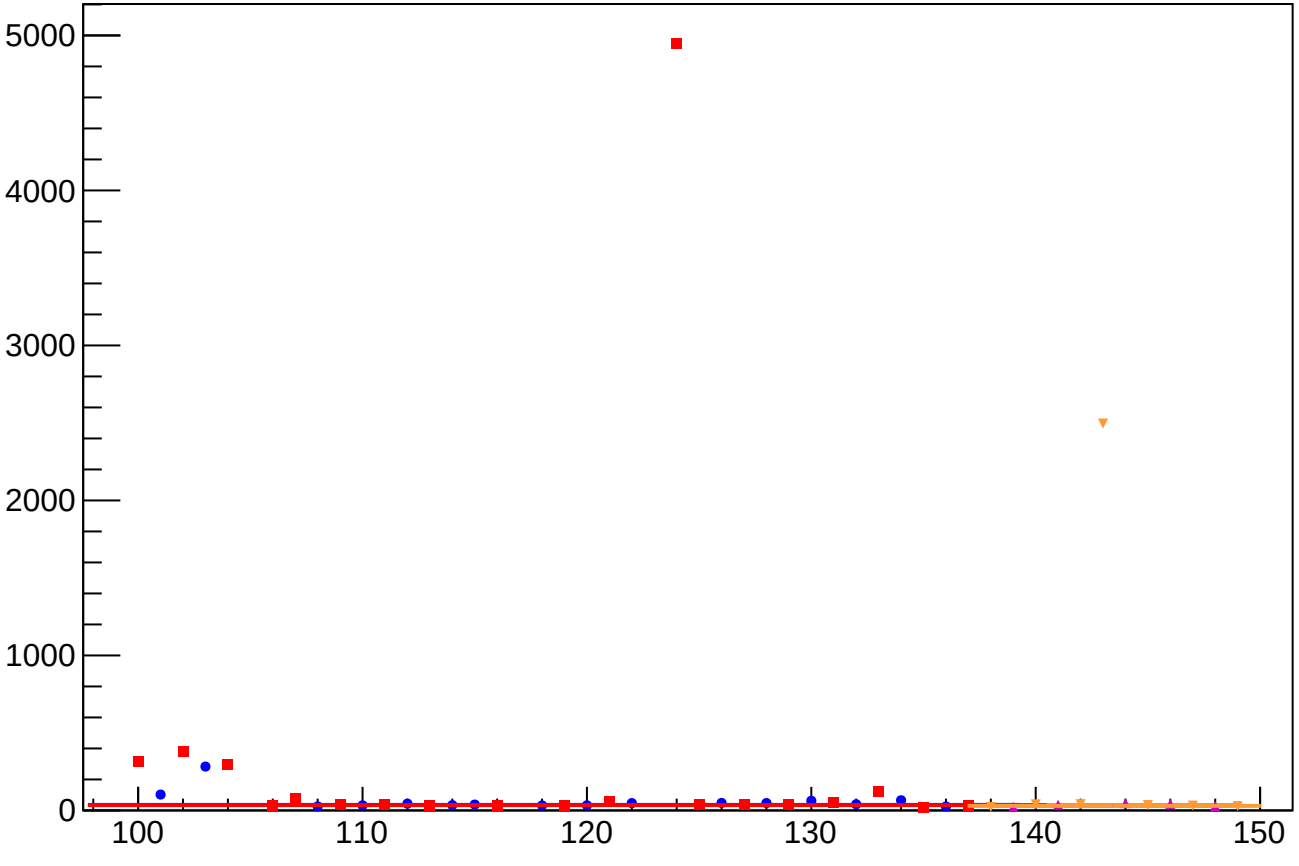
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46

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: 29.615+/-0.011 χ^2/NDF:1905740.5/6

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: 30.720+/-0.008 χ^2/NDF: 2406944.0/11

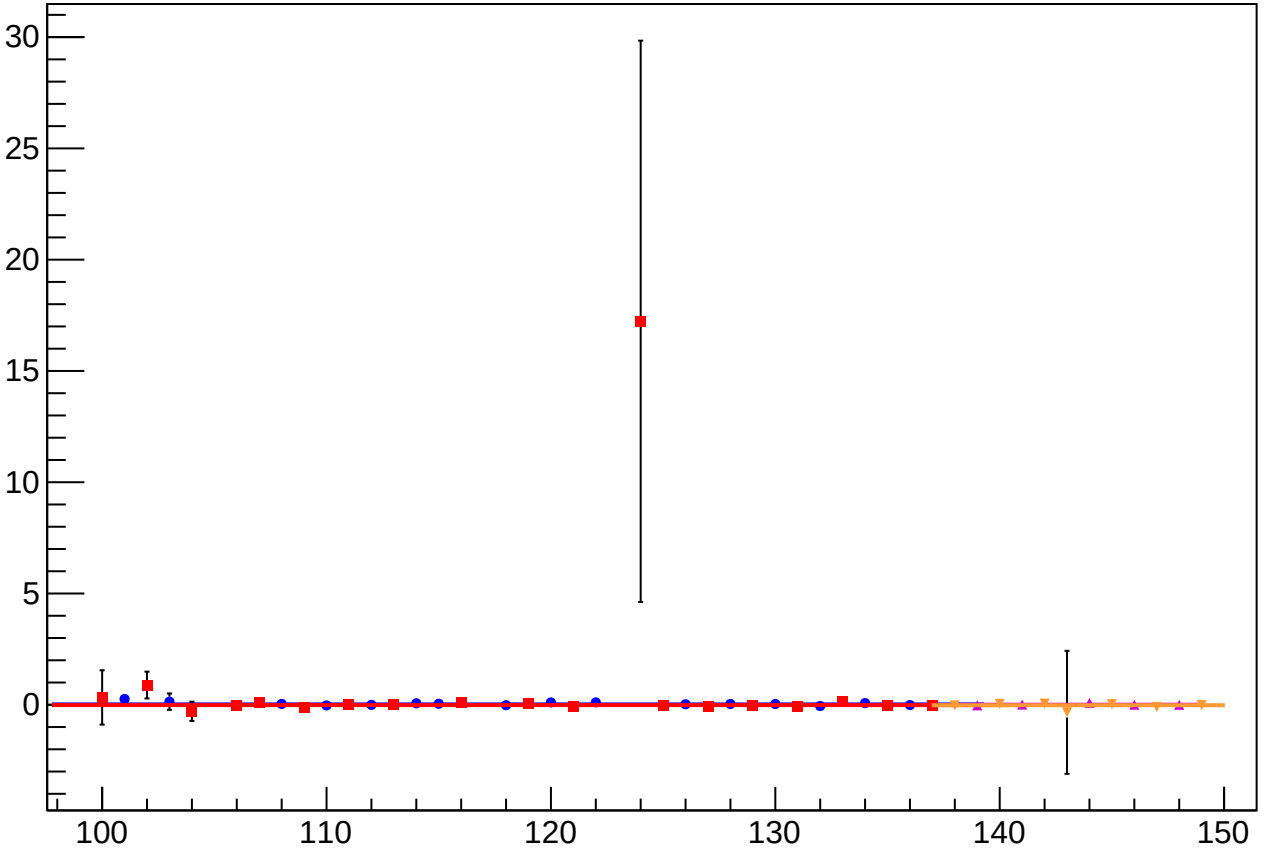
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.163+/-0.008 χ^2/NDF:4931765.7/25

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

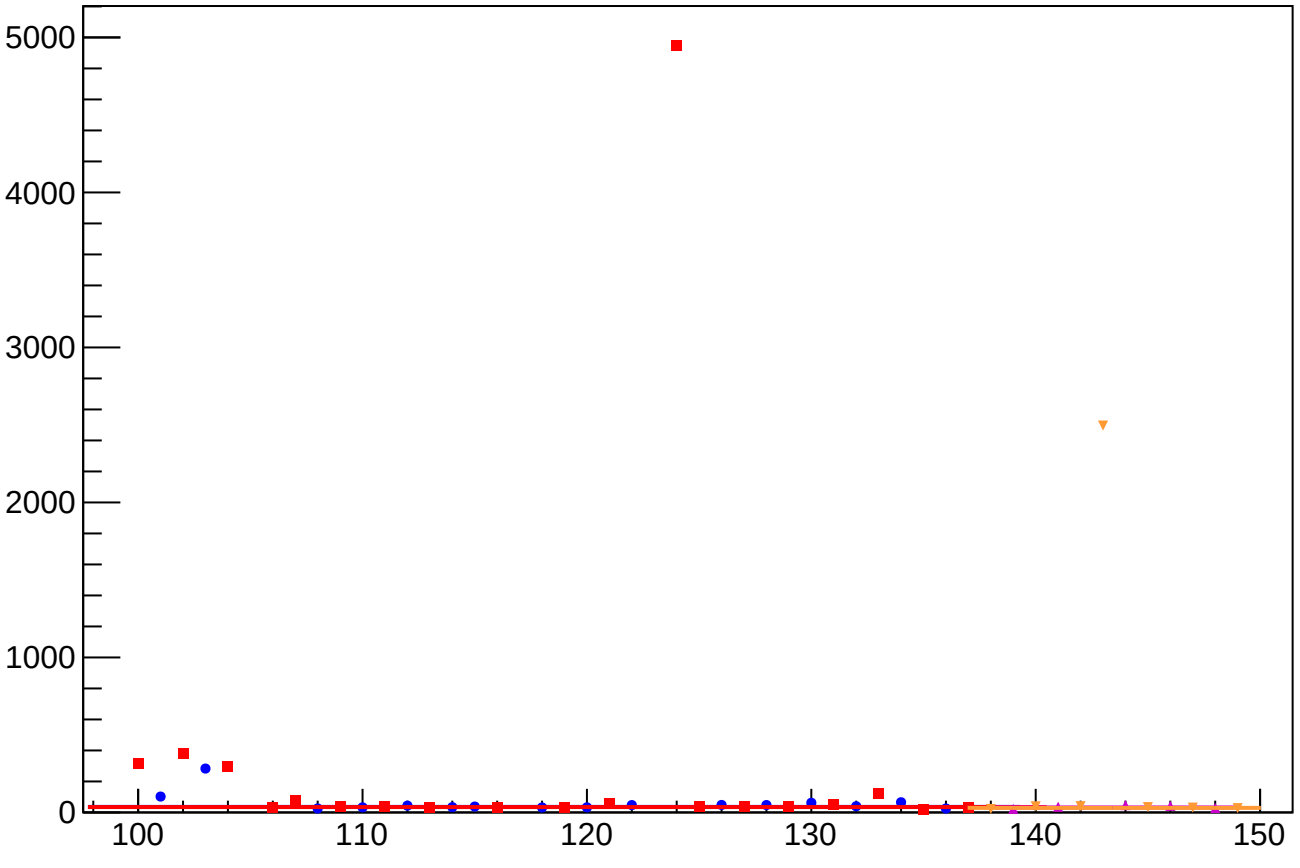
Left: -0.009+/-0.011 χ^2/NDF: 13.5/11

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 29.615+/-0.011 χ^2/NDF:1905740.5/6

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

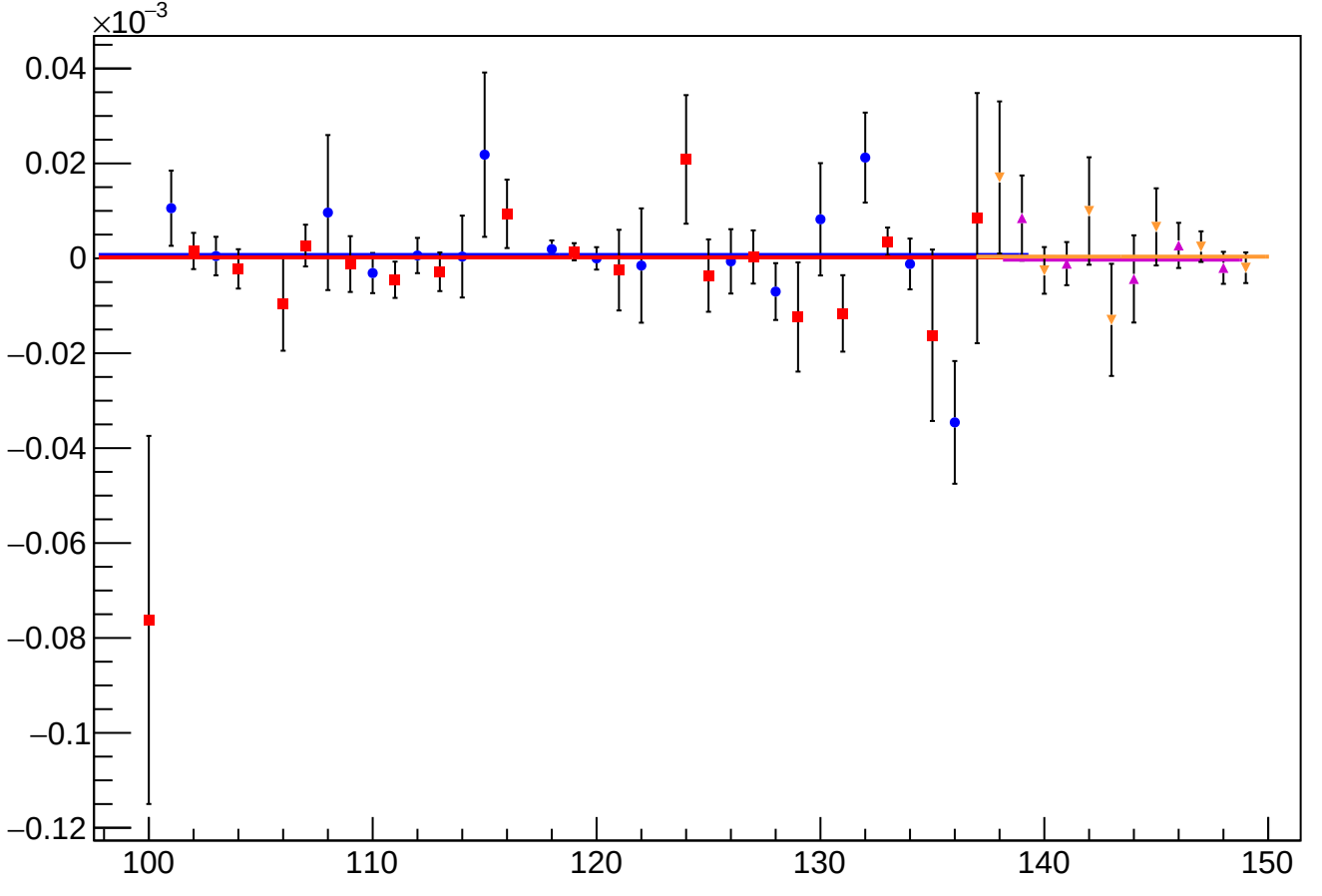
Left: 30.720+/-0.008 χ^2/NDF: 2406944.0/11

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.163+/-0.008 χ^2/NDF:4931765.7/25

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/6

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: 6.9/11

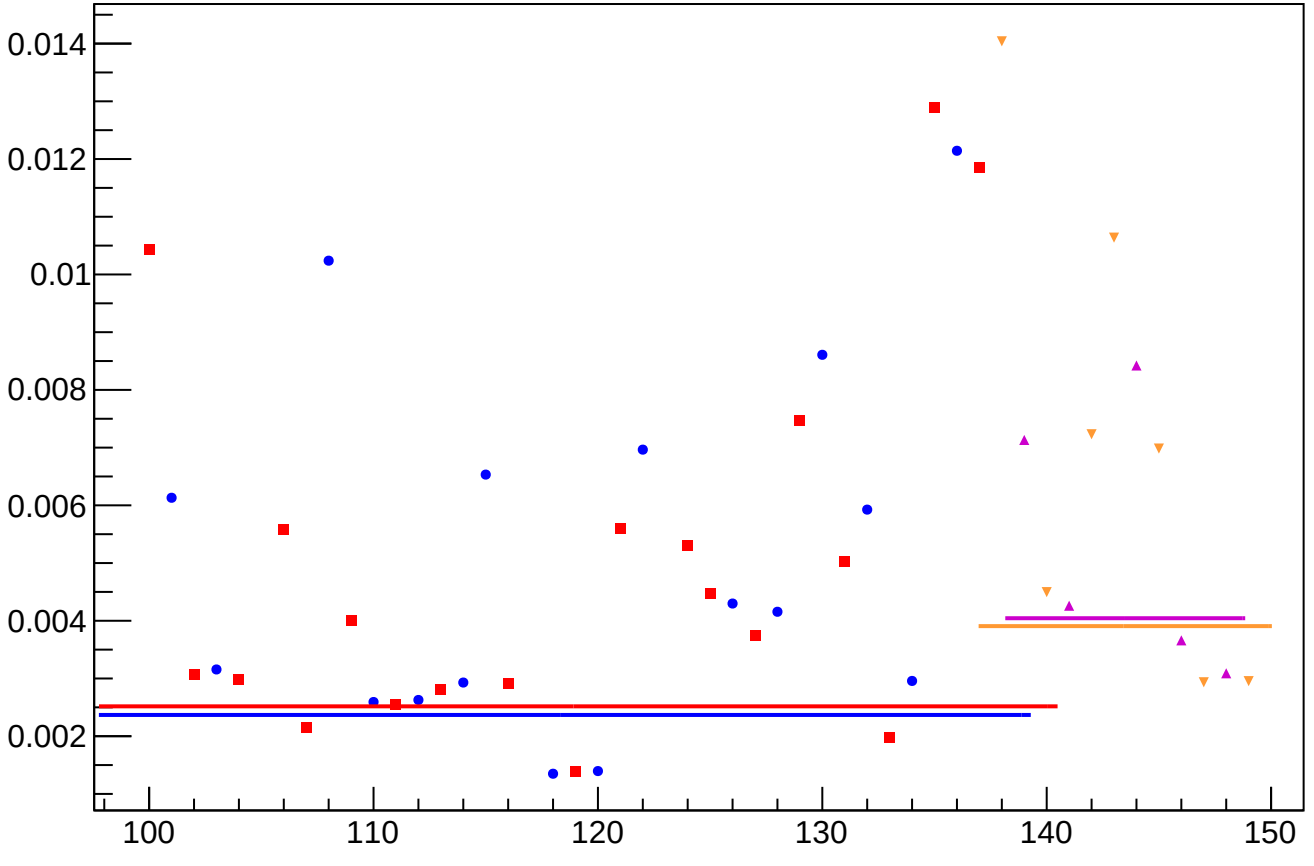
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/20

Out: 0.000+/-0.000 χ^2/NDF:23.1/25

All: 0.000+/-0.000 χ^2/NDF: 44.2/46

asym_atl_avg_atr_avg_dd_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:2291573.9/6

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: 3164490.0/11

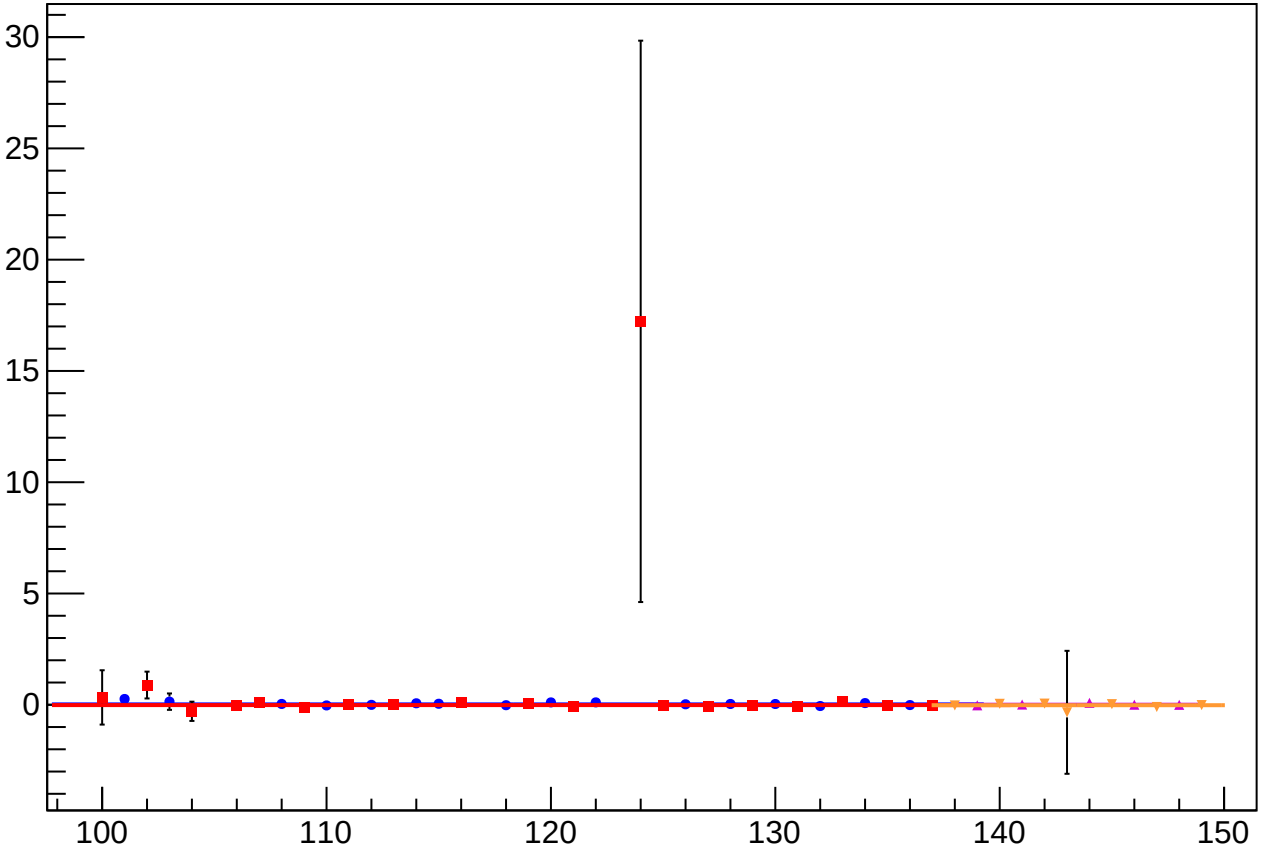
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6509634.3/20

Out: 0.003+/-0.000 χ^2/NDF:6480966.1/25

All: 0.003+/-0.000 χ^2/NDF: 13010638.0/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

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+/-0.011 χ^2/NDF: 13.5/11

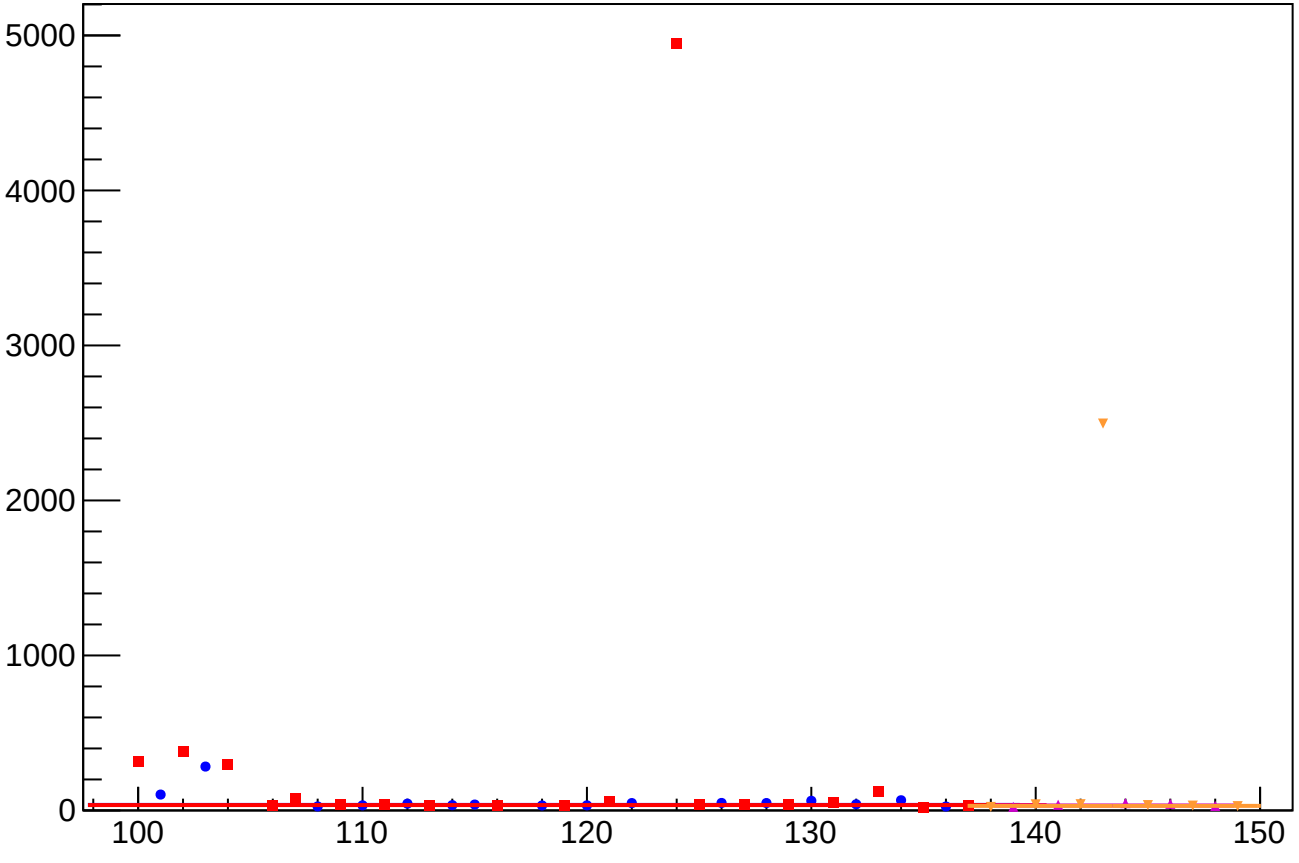
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46

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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

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: 30.719+/-0.008 χ^2/NDF: 2407419.6/11

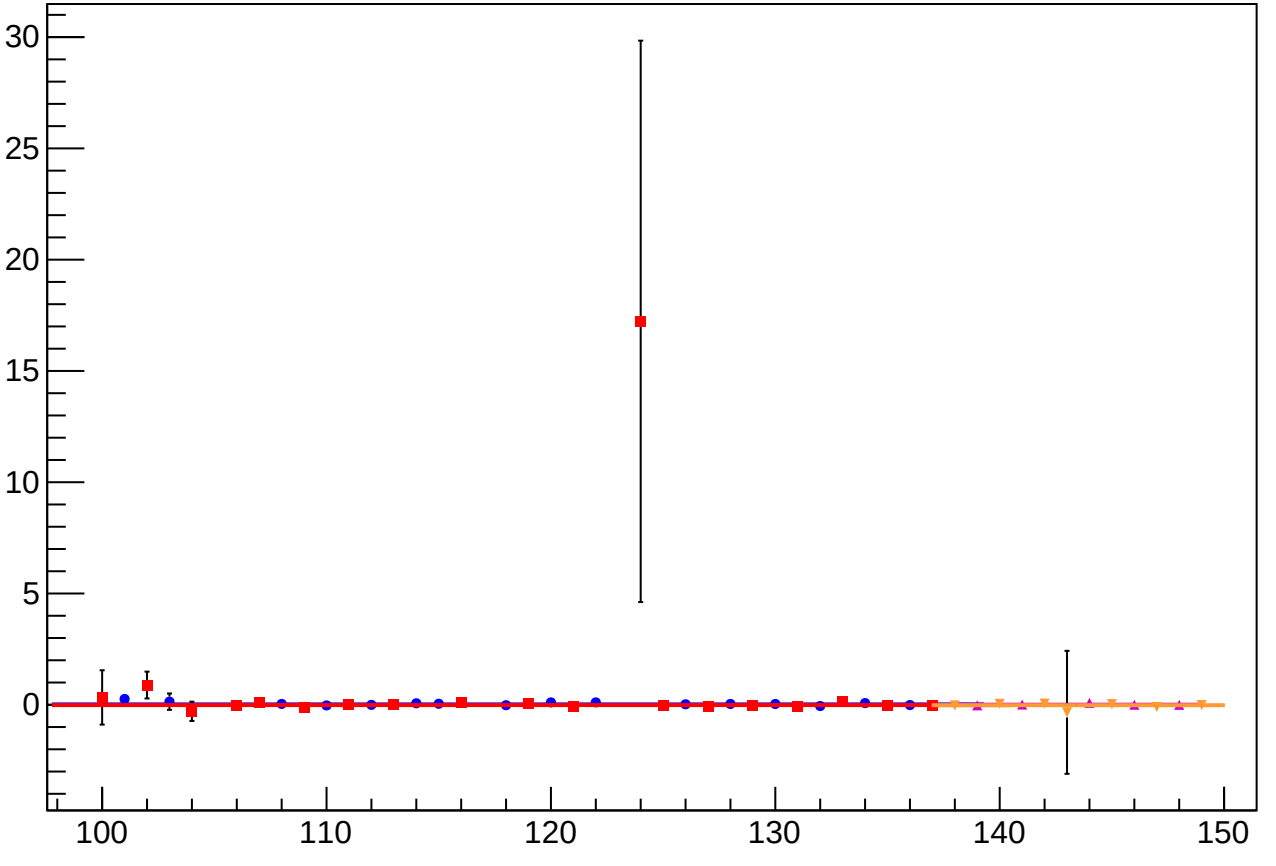
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.163+/-0.008 χ^2/NDF:4931860.3/25

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

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+/-0.011 χ^2/NDF: 13.5/11

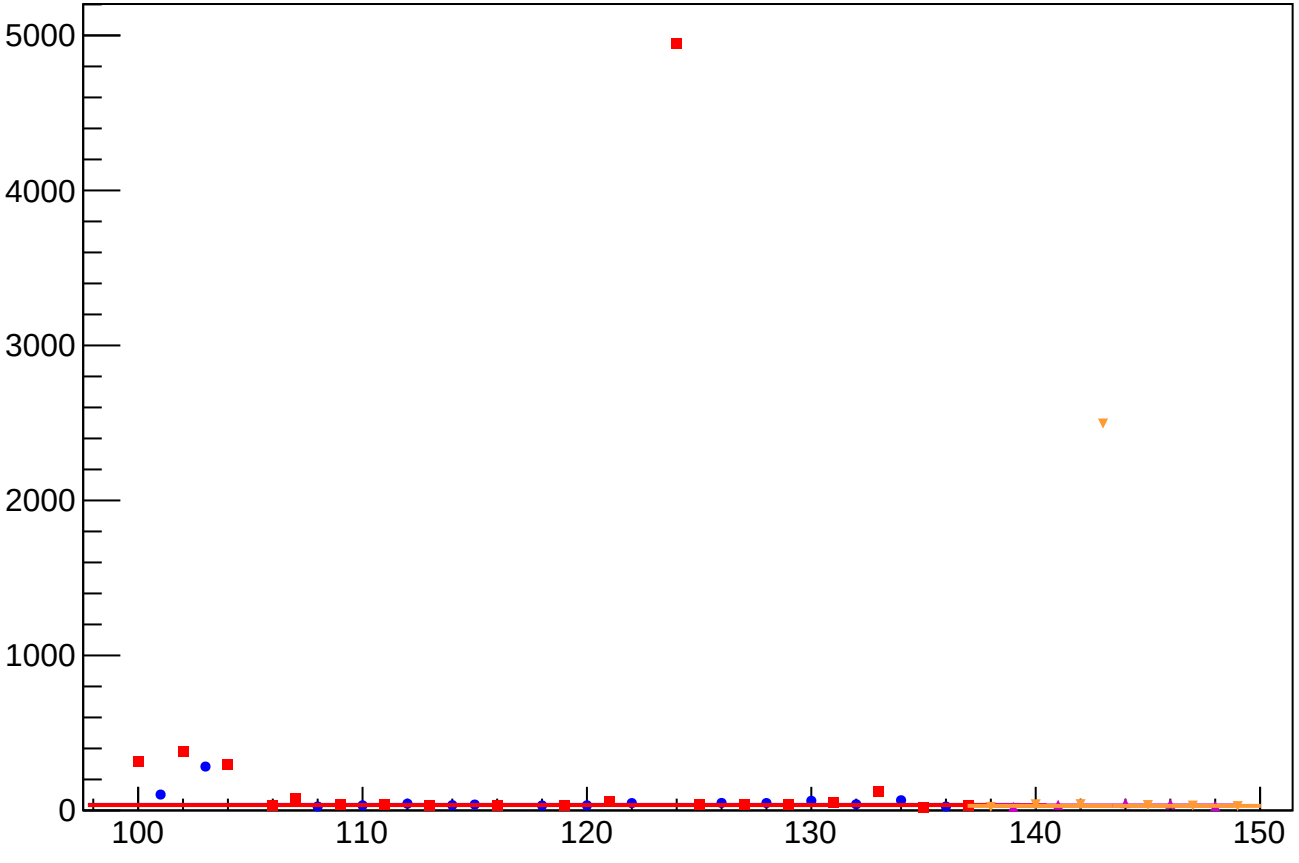
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46

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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

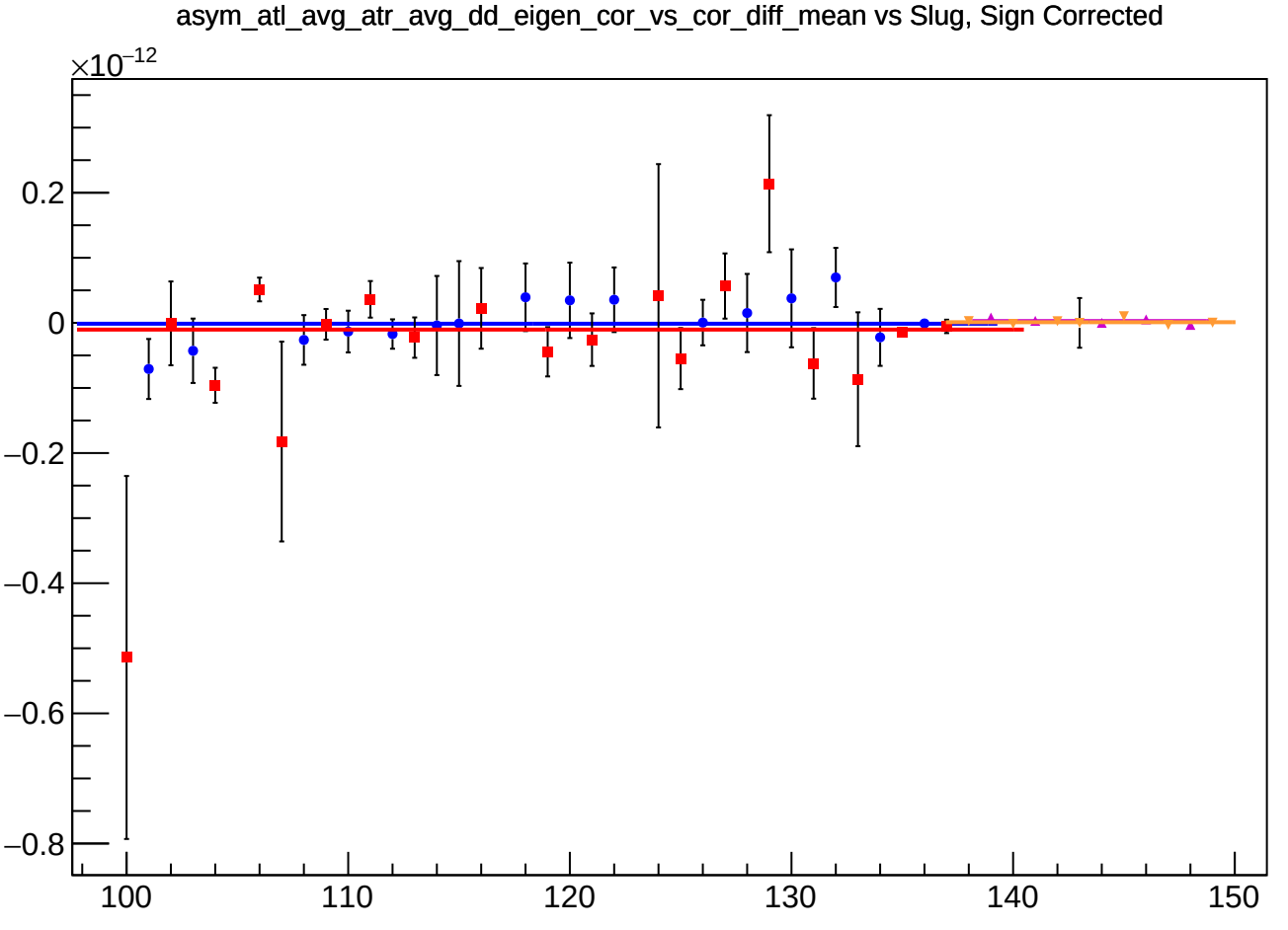
Left: 30.719+/-0.008 χ^2/NDF: 2407419.6/11

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.163+/-0.008 χ^2/NDF:4931860.3/25

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/6

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: 5.7/11

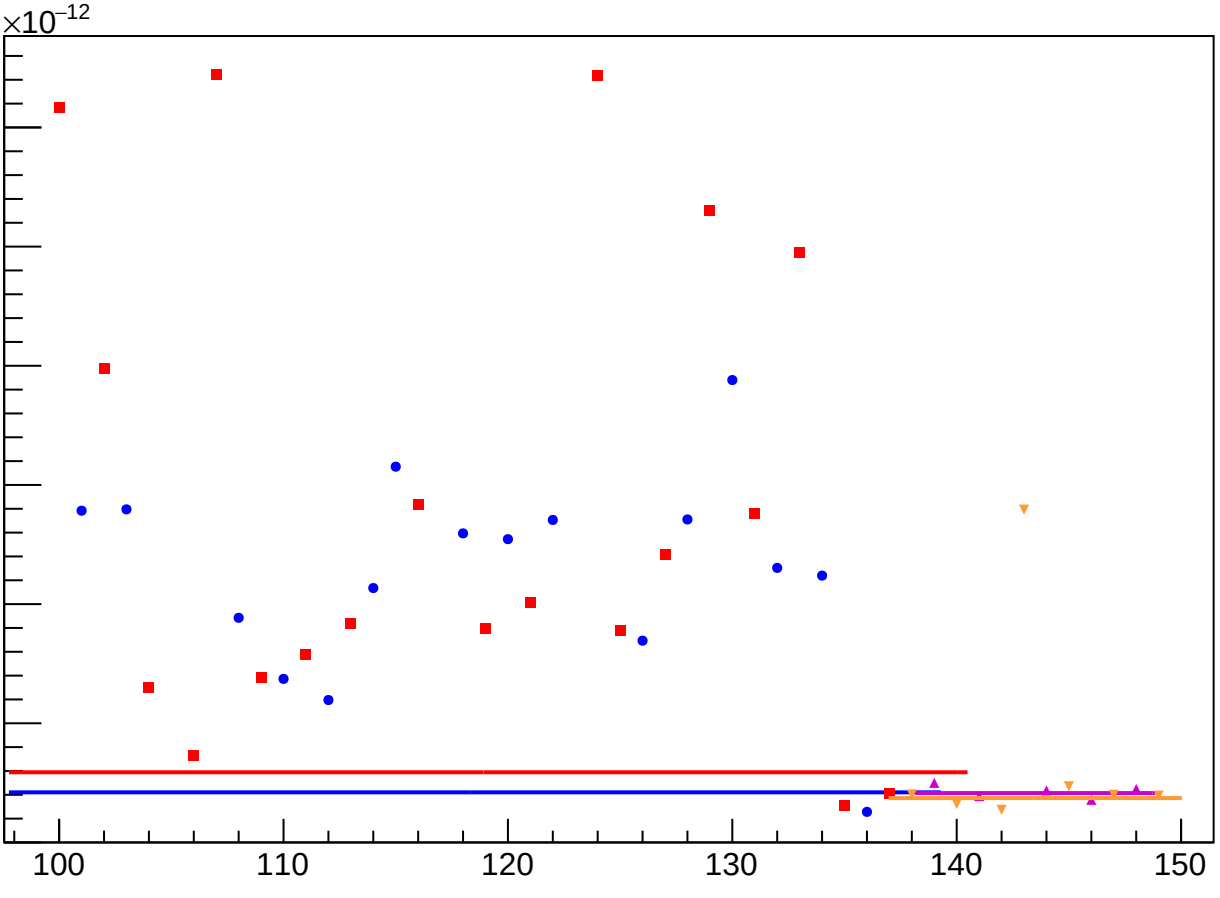
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.7/20

Out: -0.000+/-0.000 χ^2/NDF:49.0/25

All: 0.000+/-0.000 χ^2/NDF: 61.7/46

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:970806.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:76519.4/4

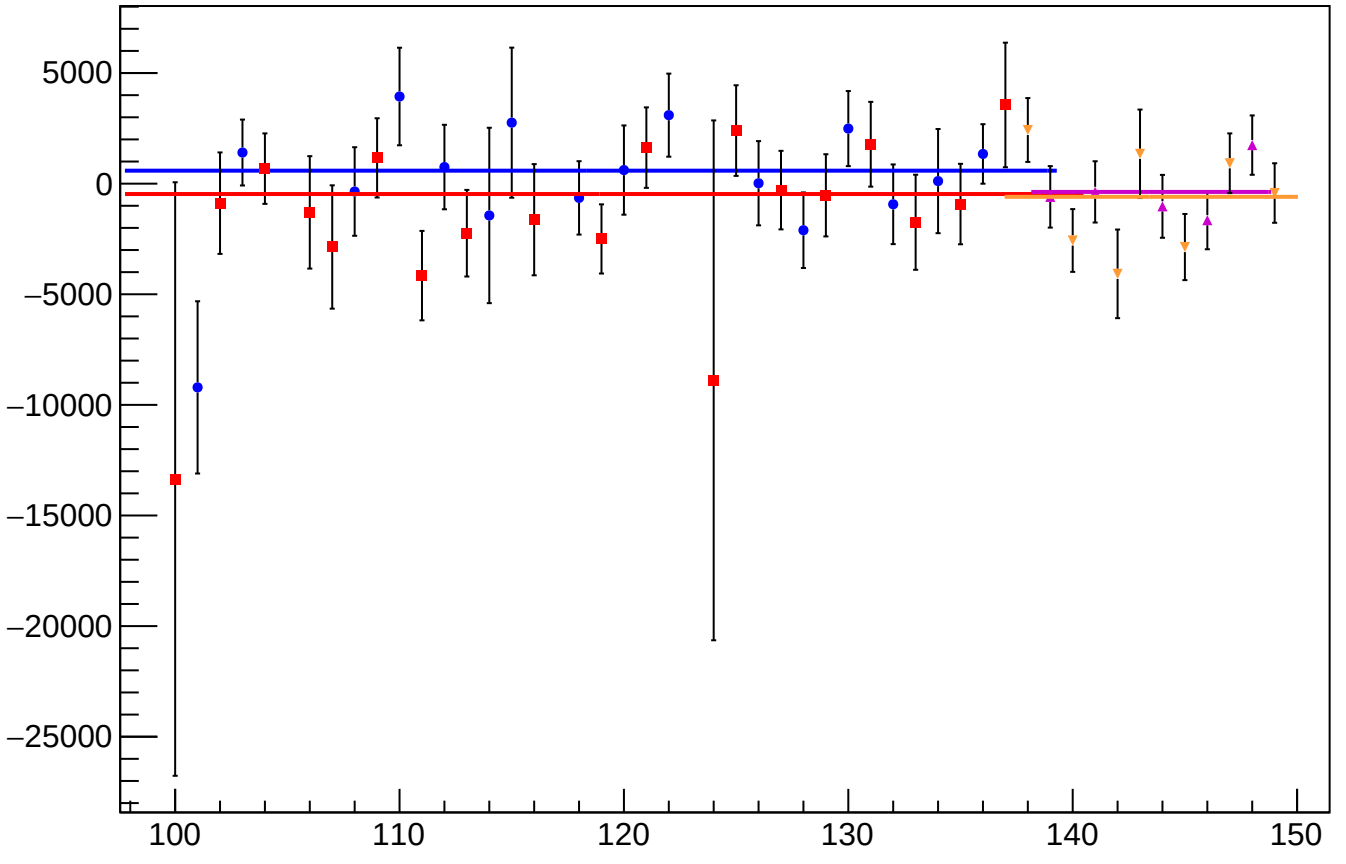
Left: 0.000+/-0.000 χ^2/NDF: 1081601.7/11

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:6262272.1/25

All: 0.000+/-0.000 χ^2/NDF: 11419462.5/46



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.369+/-575.022 χ^2/NDF:13.9/6

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -373.535+/-612.184 χ^2/NDF:3.7/4

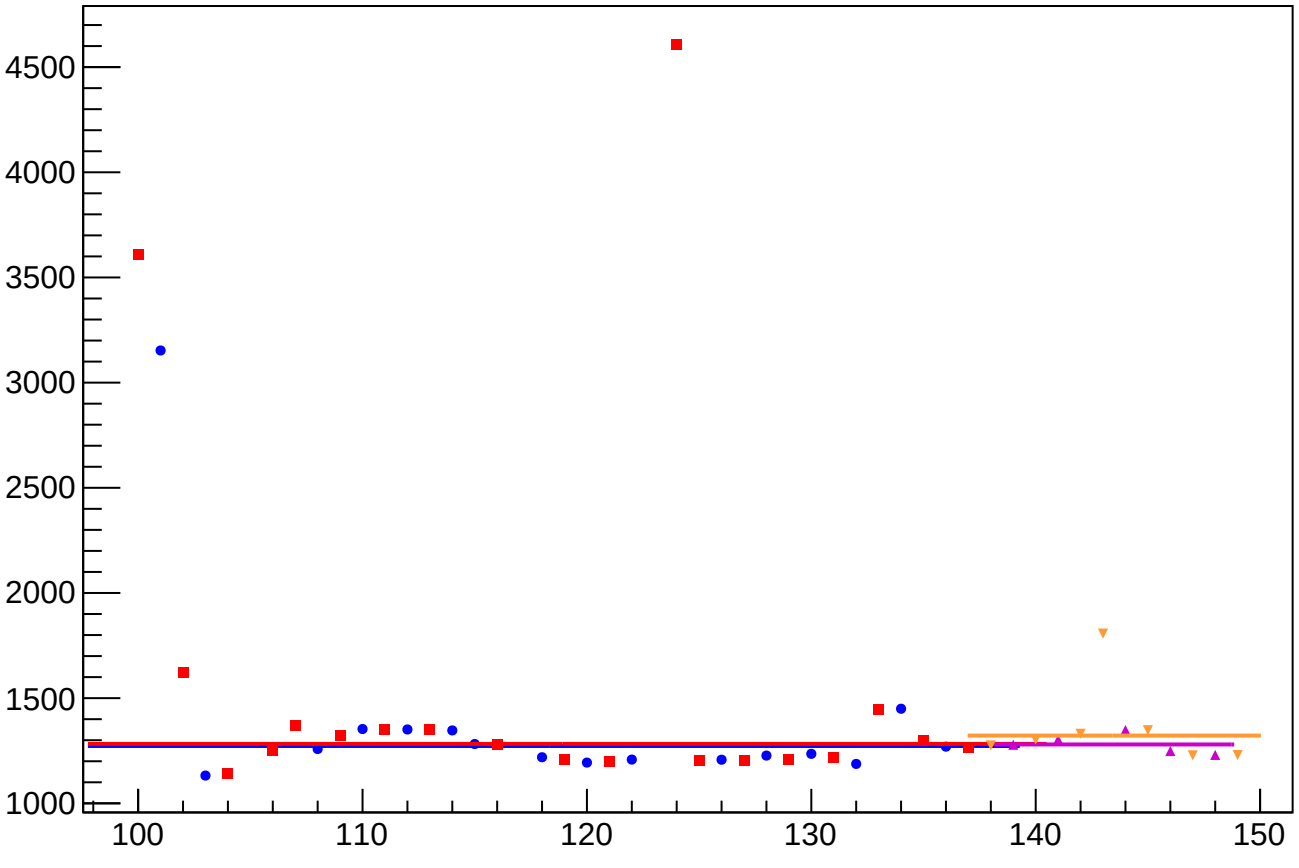
Left: -491.389+/-419.124 χ^2/NDF: 17.6/11

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 218.971+/-378.915 χ^2/NDF:22.3/20

Out: -520.968+/-368.722 χ^2/NDF:30.7/25

All: -161.084+/-264.256 χ^2/NDF: 55.0/46



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

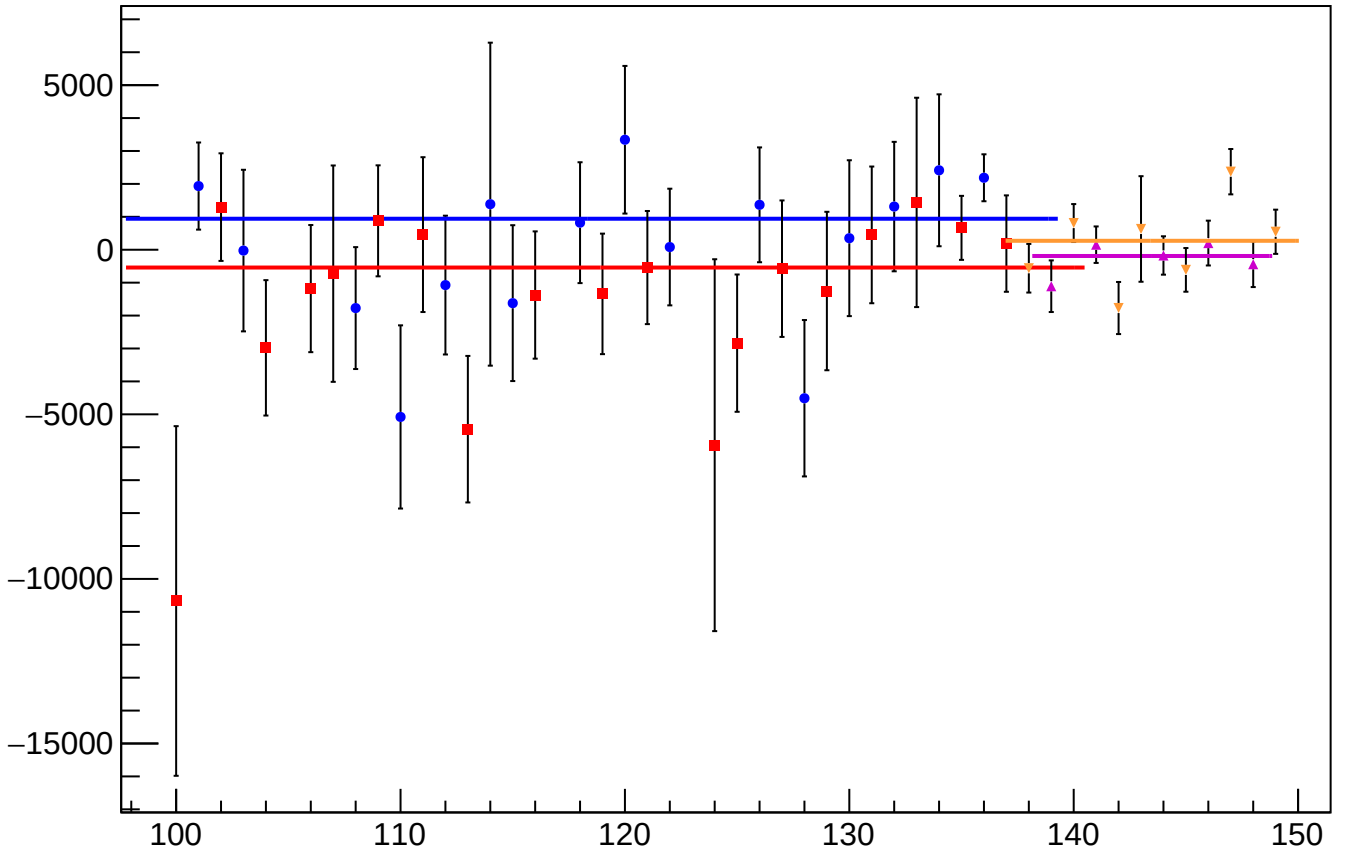
Left: 1302.276+/-0.296 χ^2/NDF: 153909.4/11

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1275.491+/-0.268 χ^2/NDF:528591.7/20

Out: 1298.699+/-0.261 χ^2/NDF:467410.4/25

All: 1287.412+/-0.187 χ^2/NDF: 999856.0/46



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 271.677+/-272.931 χ^2/NDF:20.1/6

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -189.835+/-288.021 χ^2/NDF:2.2/4

Left: 53.327+/-198.111 χ^2/NDF: 23.7/11

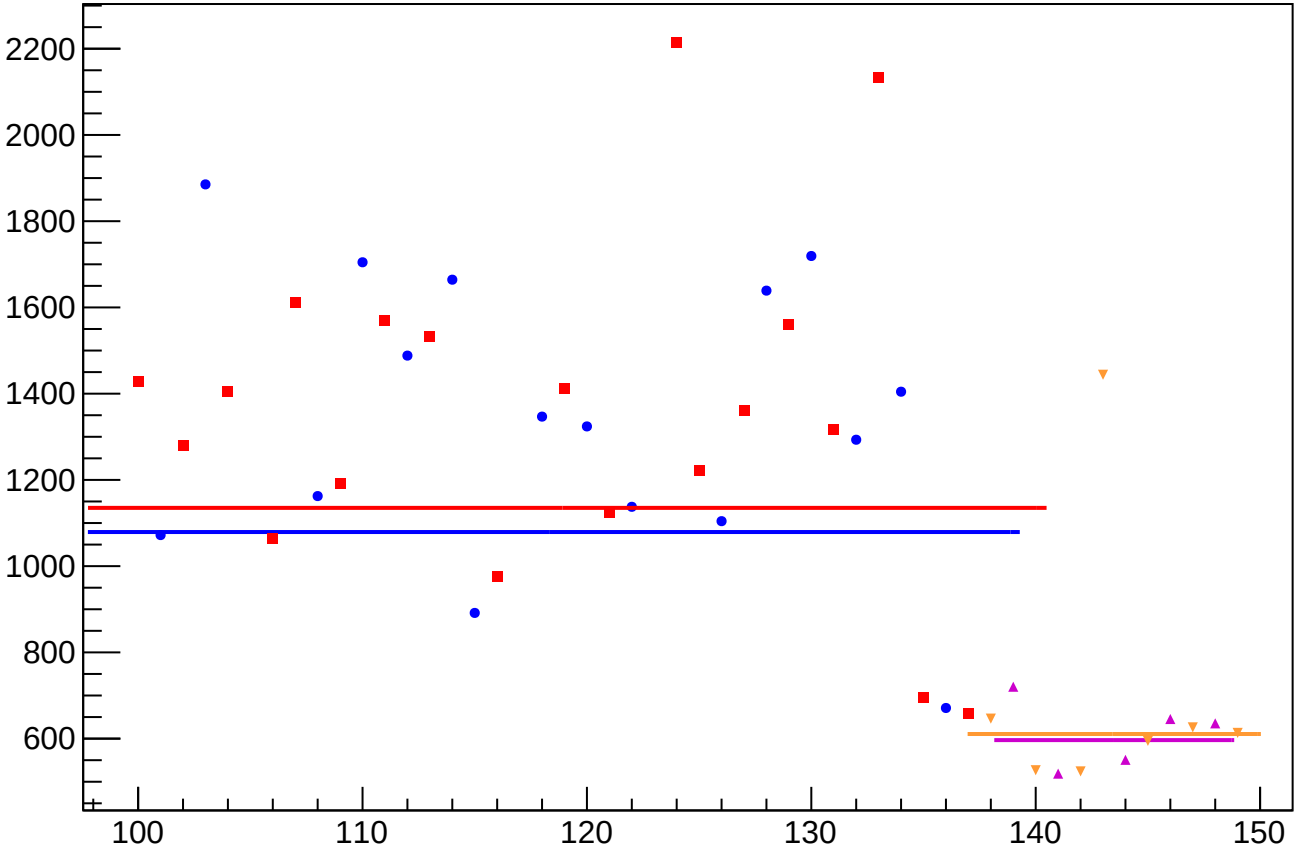
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 165.349+/-238.575 χ^2/NDF:27.0/20

Out: 45.903+/-231.920 χ^2/NDF:39.7/25

All: 103.937+/-166.295 χ^2/NDF: 66.8/46

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: 610.729+/-0.193 χ^2/NDF:613238.9/6

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

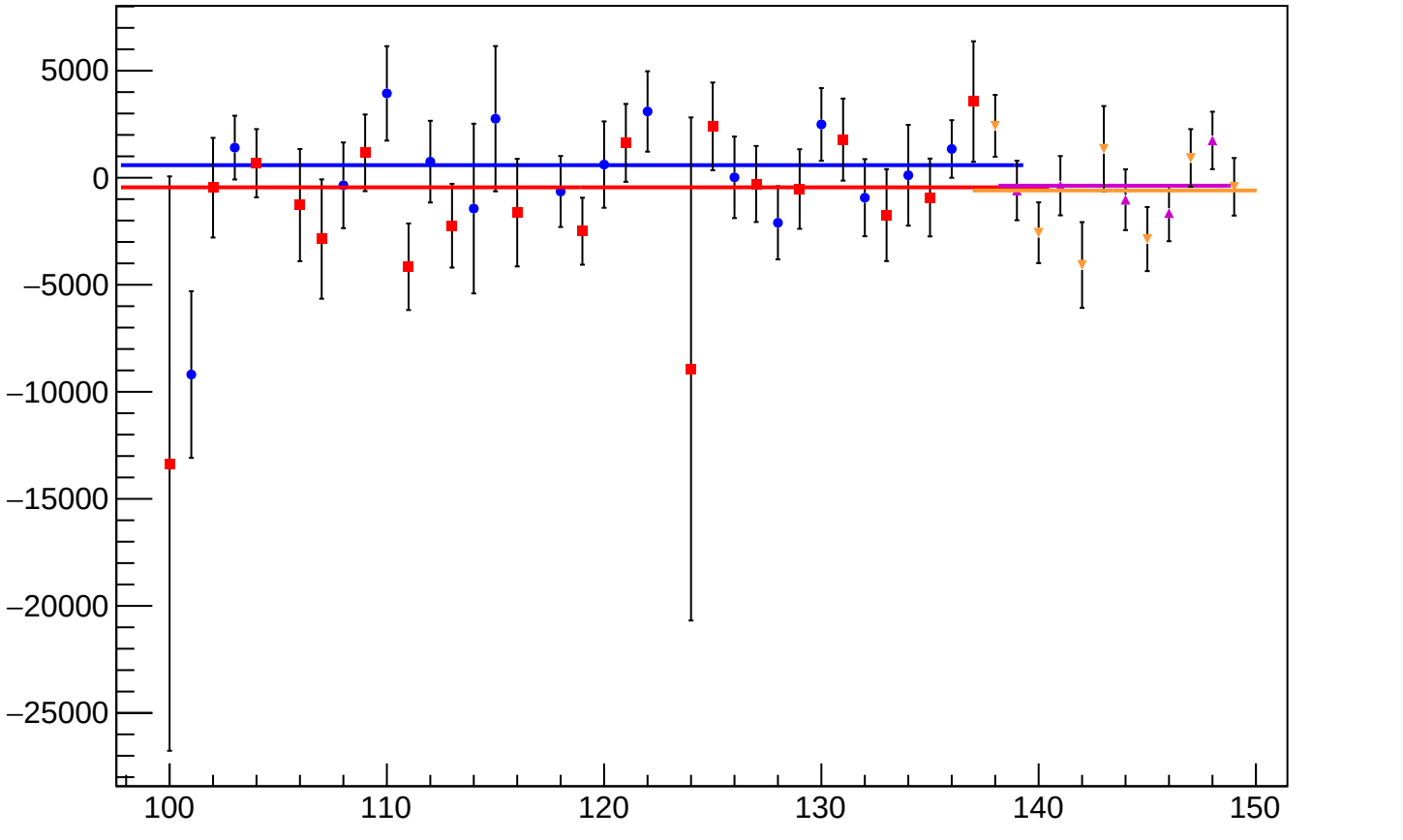
Left: 604.025+/-0.140 χ^2/NDF: 733907.3/11

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 748.026+/-0.169 χ^2/NDF:3362511.0/20

Out: 756.492+/-0.164 χ^2/NDF:3958718.4/25

All: 752.379+/-0.118 χ^2/NDF: 7322524.3/46



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -373.407+/-612.184 χ^2/NDF:3.7/4

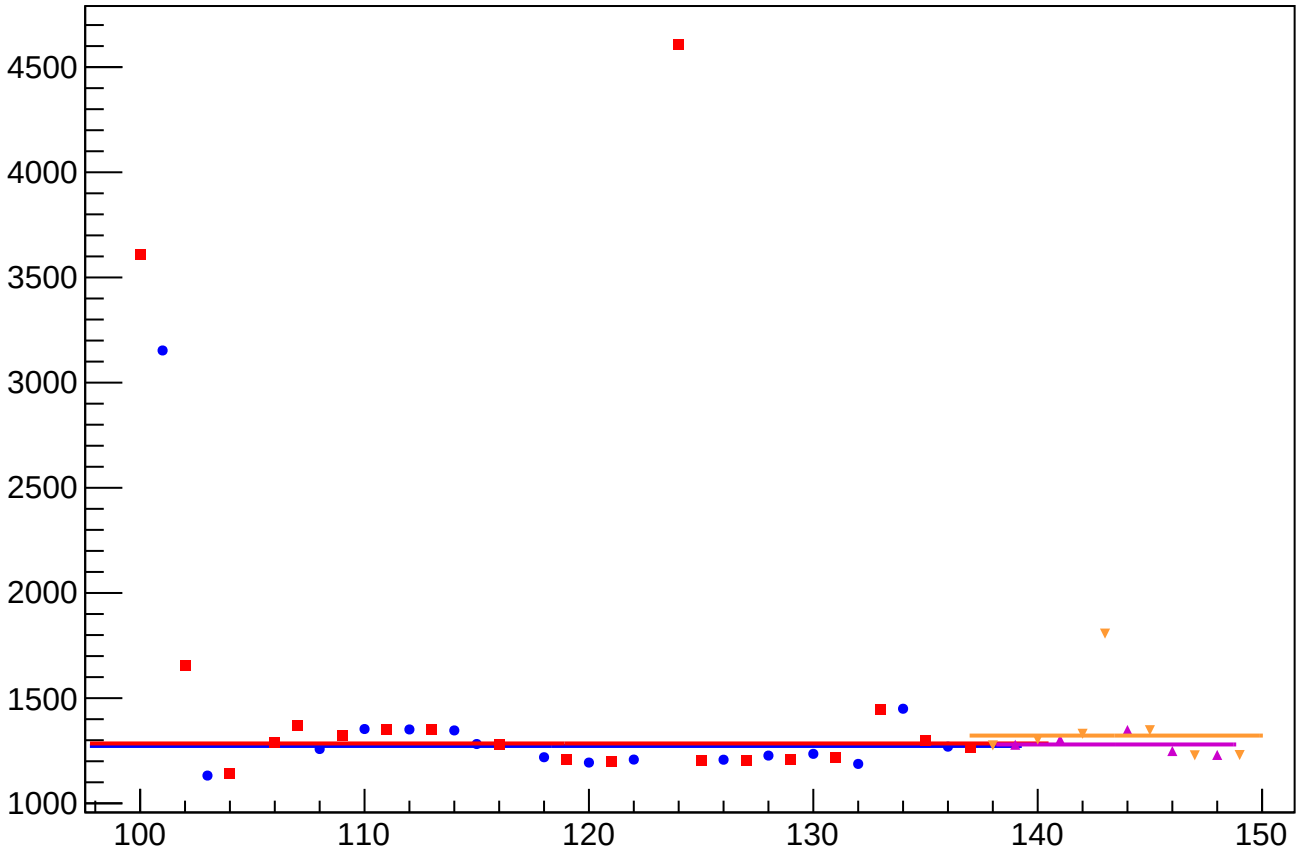
Left: -491.360+/-419.124 χ^2/NDF: 17.6/11

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 219.217+/-378.915 χ^2/NDF:22.2/20

Out: -508.982+/-369.091 χ^2/NDF:30.7/25

All: -154.445+/-264.392 χ^2/NDF: 54.8/46



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

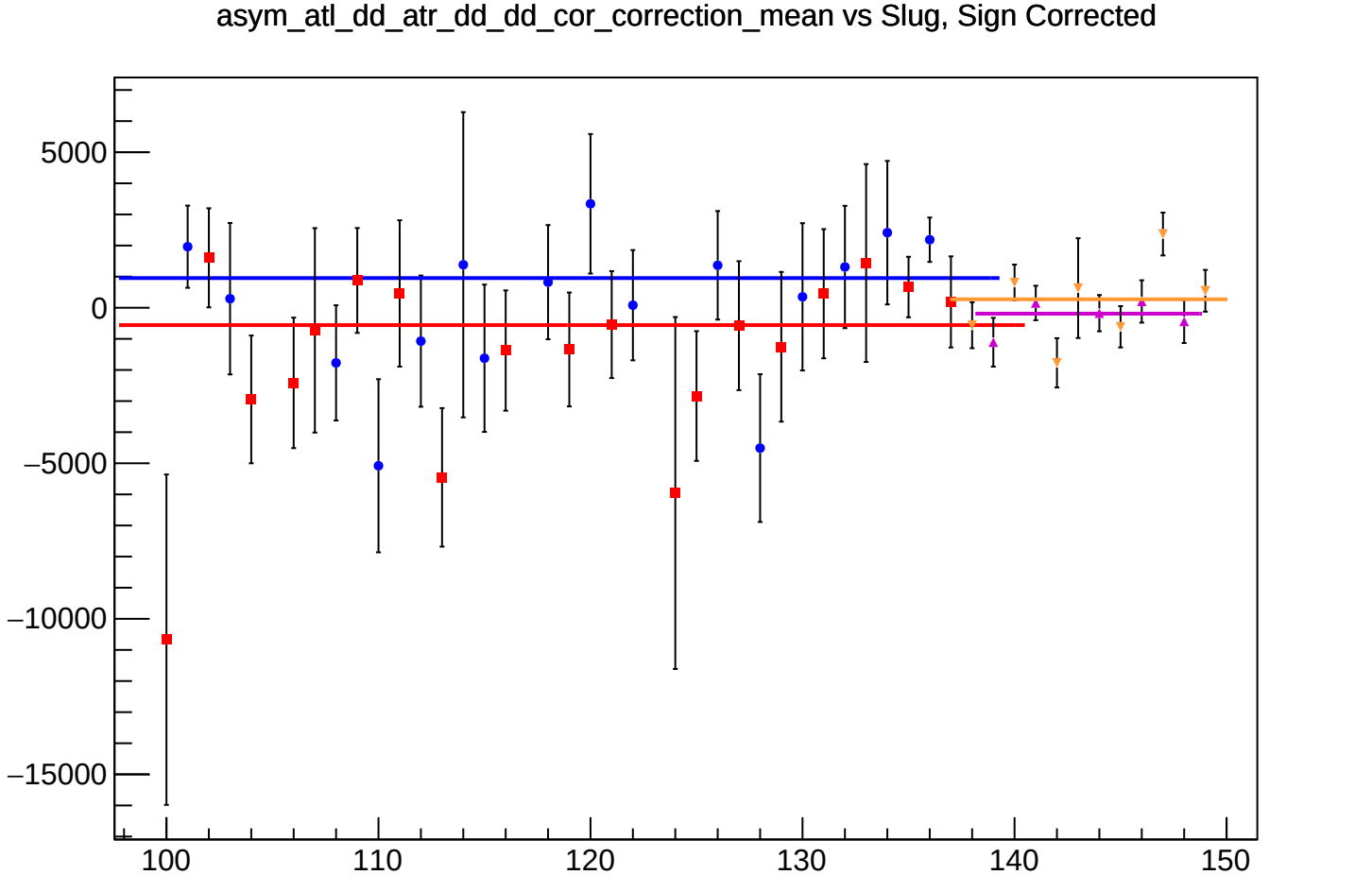
Left: 1302.276+/-0.296 χ^2/NDF: 153909.4/11

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1300.078+/-0.261 χ^2/NDF:473430.6/25

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 271.653+/-272.936 χ^2/NDF:20.1/6

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: 53.307+/-198.112 χ^2/NDF: 23.7/11

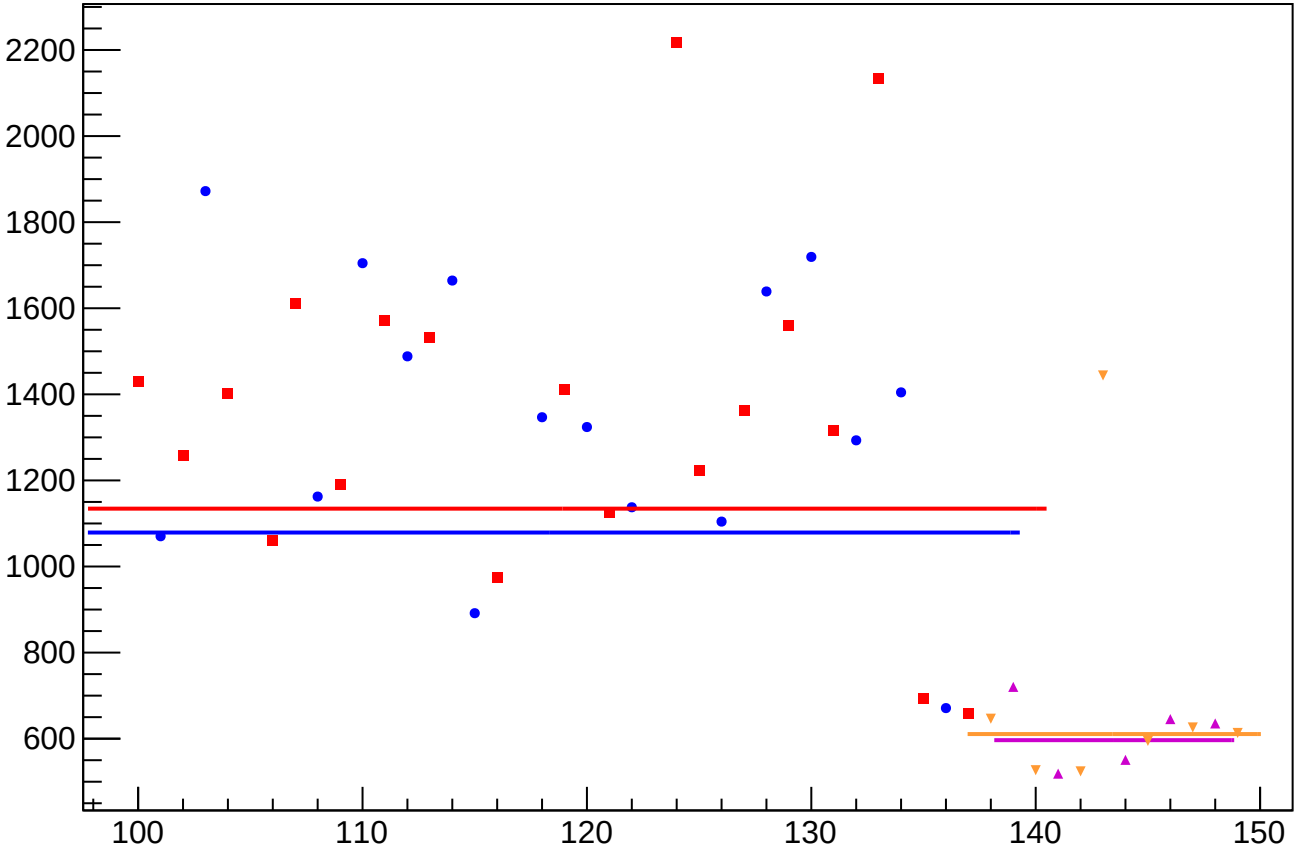
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: 41.711+/-232.048 χ^2/NDF:41.0/25

All: 103.811+/-166.331 χ^2/NDF: 68.2/46

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

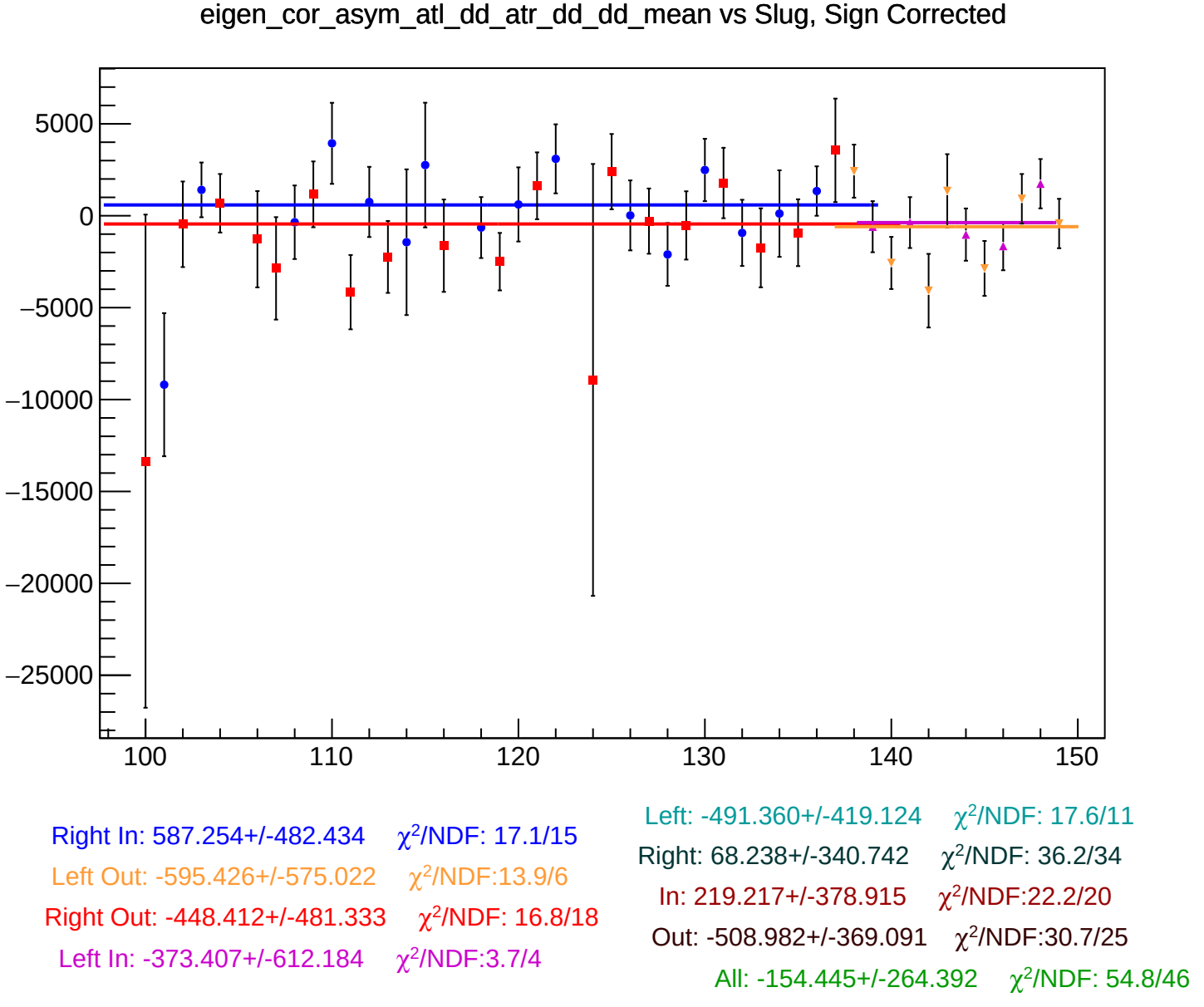
Left: 604.028+/-0.140 χ^2/NDF: 733879.7/11

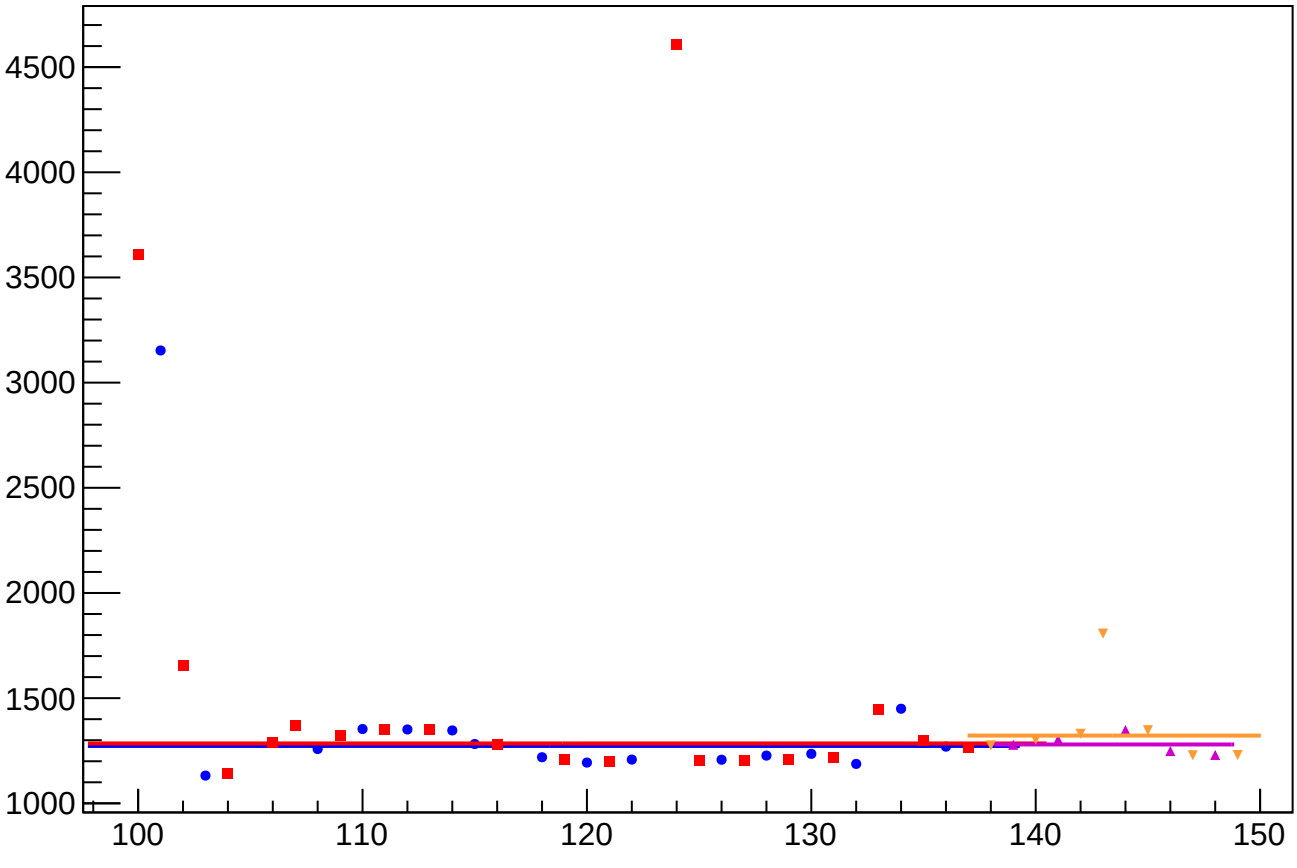
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 755.894+/-0.164 χ^2/NDF:3942906.7/25

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46


eigen_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: -595.426+/-575.022 χ²/NDF:13.9/6
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -373.407+/-612.184 χ²/NDF:3.7/4
Left: -491.360+/-419.124 χ²/NDF: 17.6/11
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 219.217+/-378.915 χ²/NDF:22.2/20
Out: -508.982+/-369.091 χ²/NDF:30.7/25
All: -154.445+/-264.392 χ²/NDF: 54.8/46



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

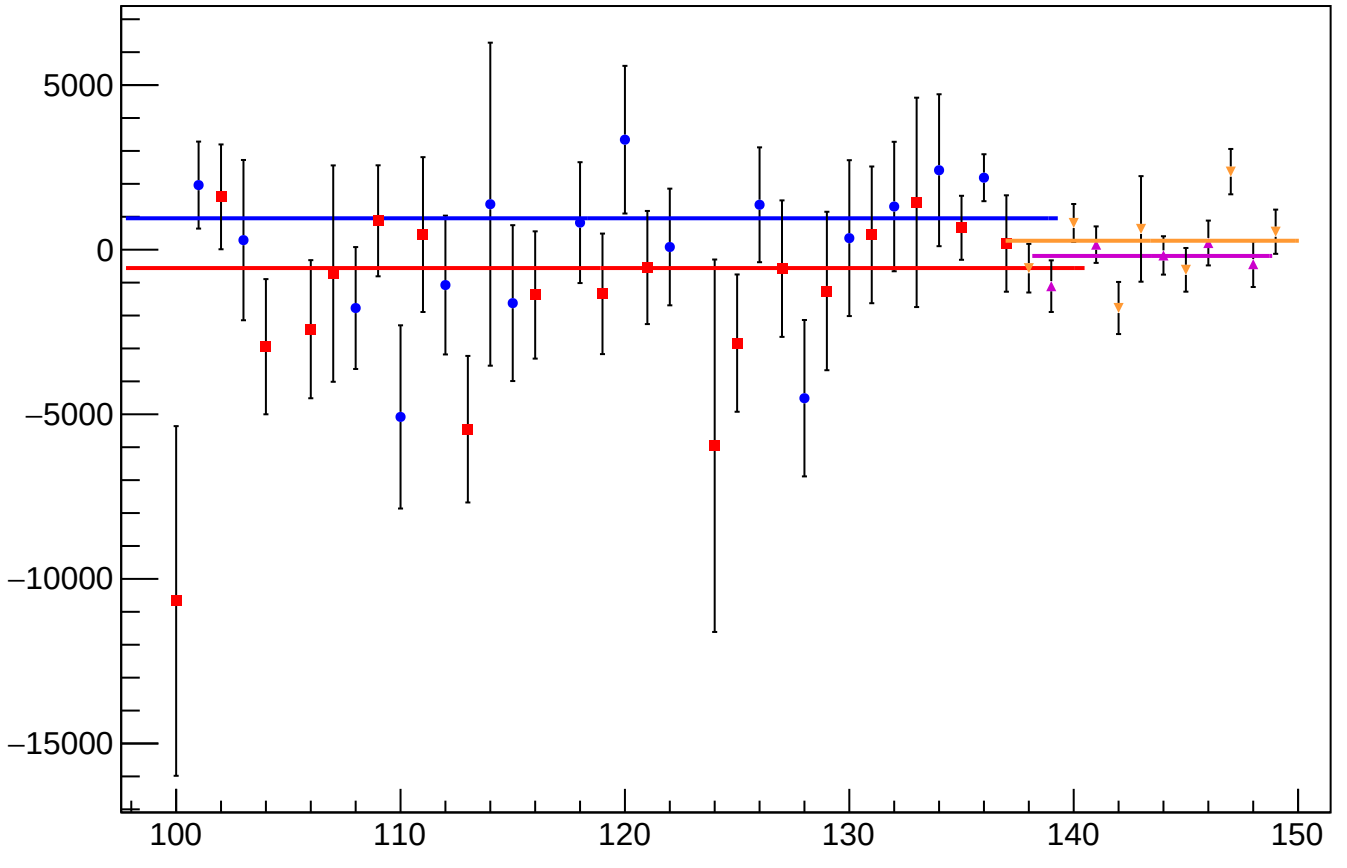
Left: 1302.276+/-0.296 χ^2/NDF: 153909.4/11

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1300.078+/-0.261 χ^2/NDF:473430.6/25

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 271.653+/-272.936 χ^2/NDF:20.1/6

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: 53.307+/-198.112 χ^2/NDF: 23.7/11

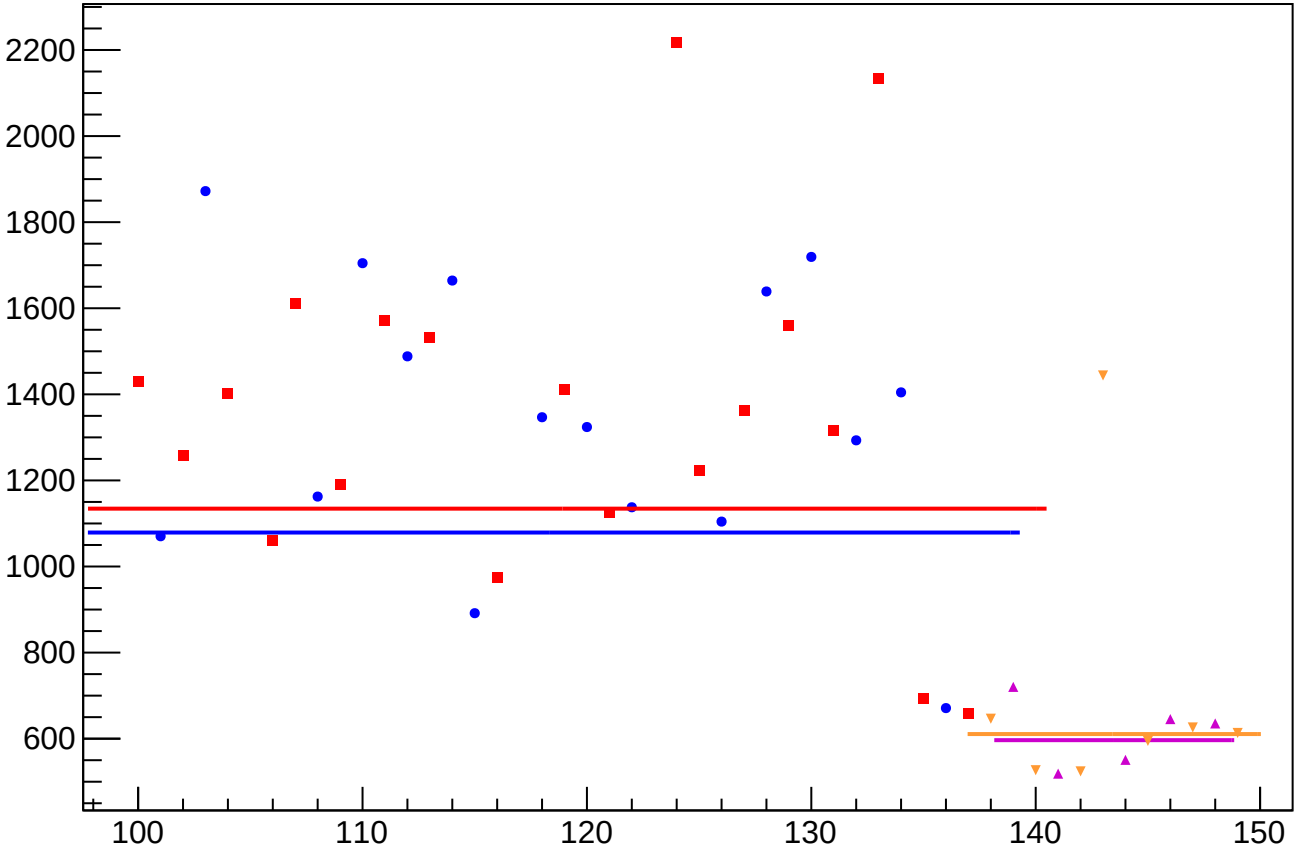
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: 41.711+/-232.048 χ^2/NDF:41.0/25

All: 103.811+/-166.331 χ^2/NDF: 68.2/46

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: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

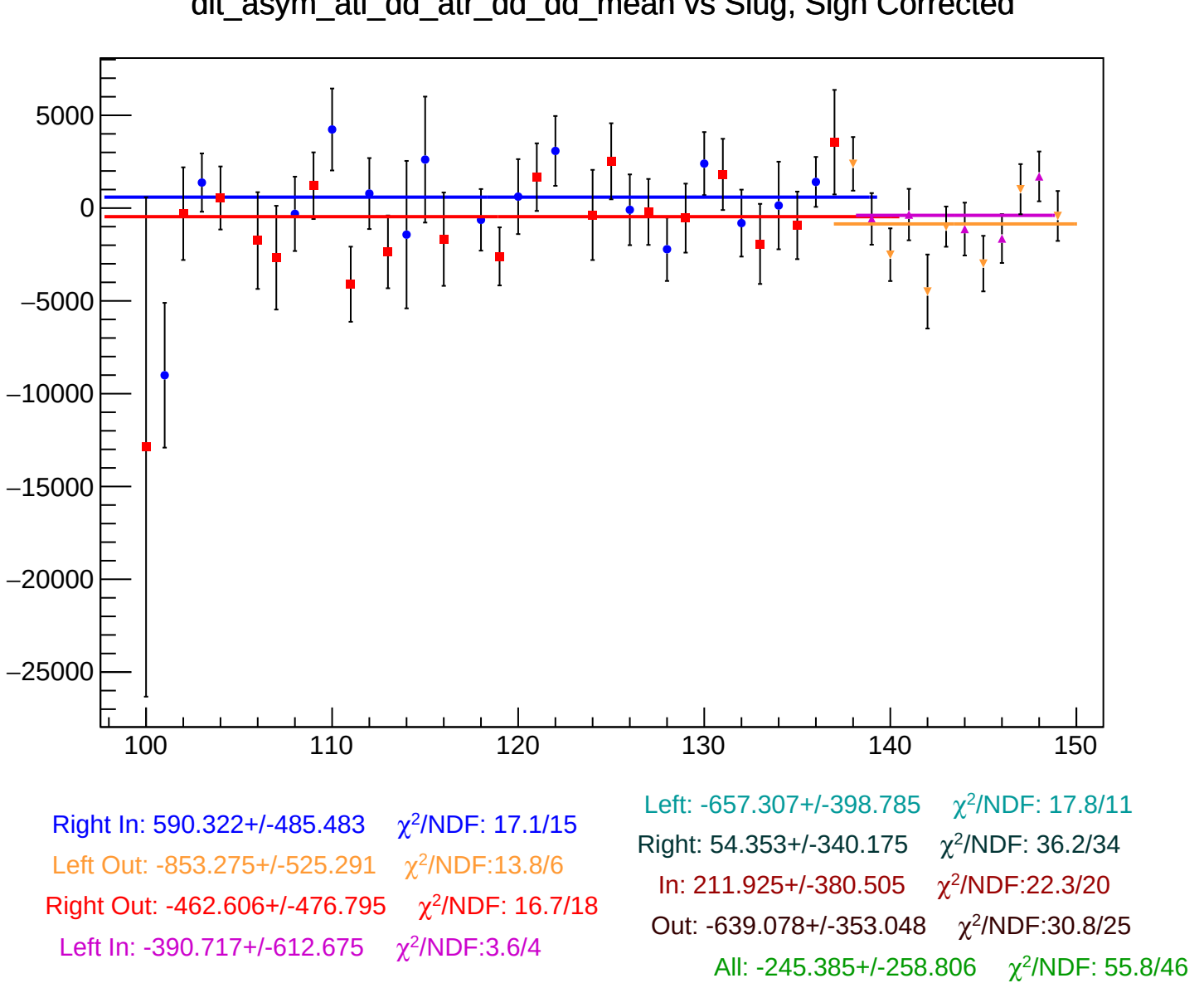
Left: 604.028+/-0.140 χ^2/NDF: 733879.7/11

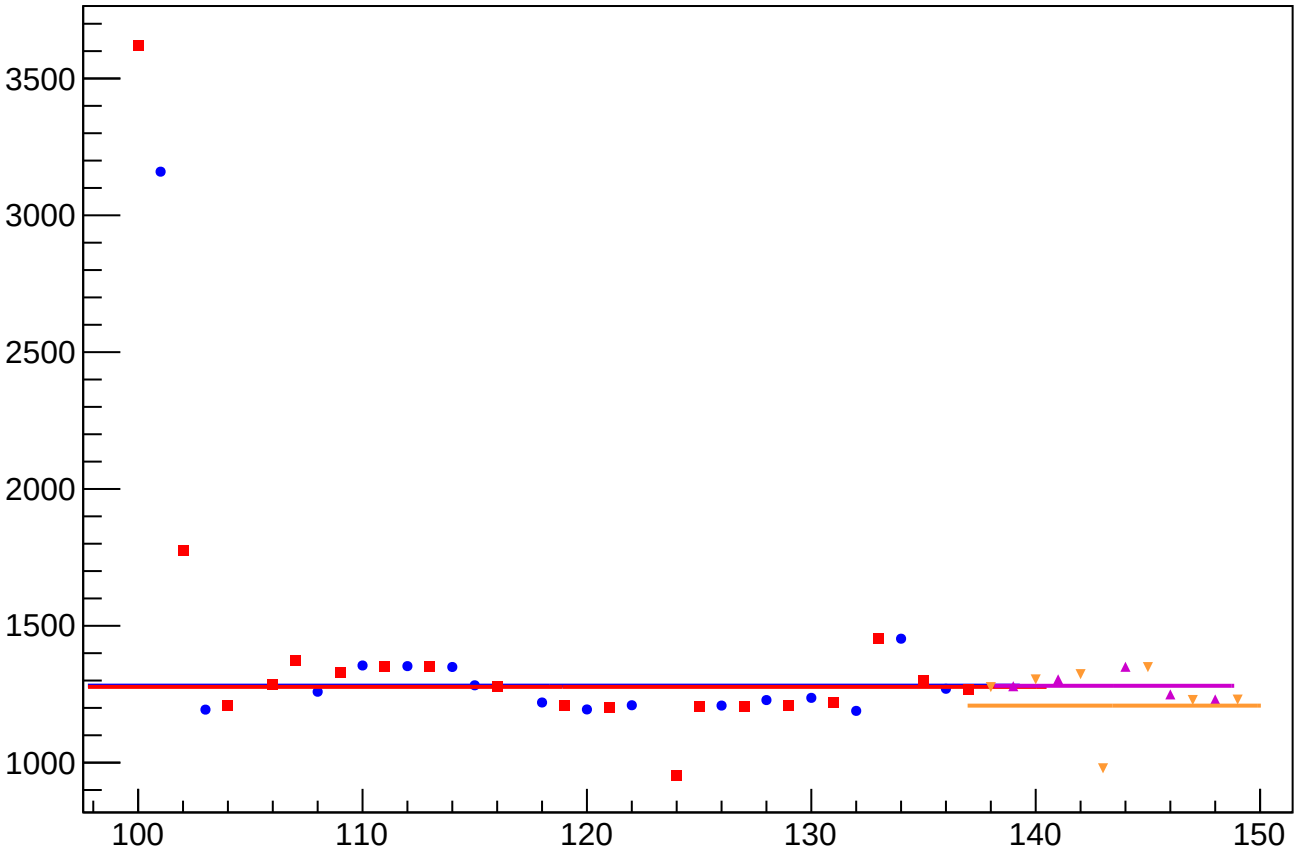
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 755.894+/-0.164 χ^2/NDF:3942906.7/25

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46


dit_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: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -853.275+/-525.291 χ²/NDF:13.8/6
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -390.717+/-612.675 χ²/NDF:3.6/4
Left: -657.307+/-398.785 χ²/NDF: 17.8/11
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 211.925+/-380.505 χ²/NDF:22.3/20
Out: -639.078+/-353.048 χ²/NDF:30.8/25
All: -245.385+/-258.806 χ²/NDF: 55.8/46



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1208.314+/-0.371 χ^2/NDF:128094.1/6

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

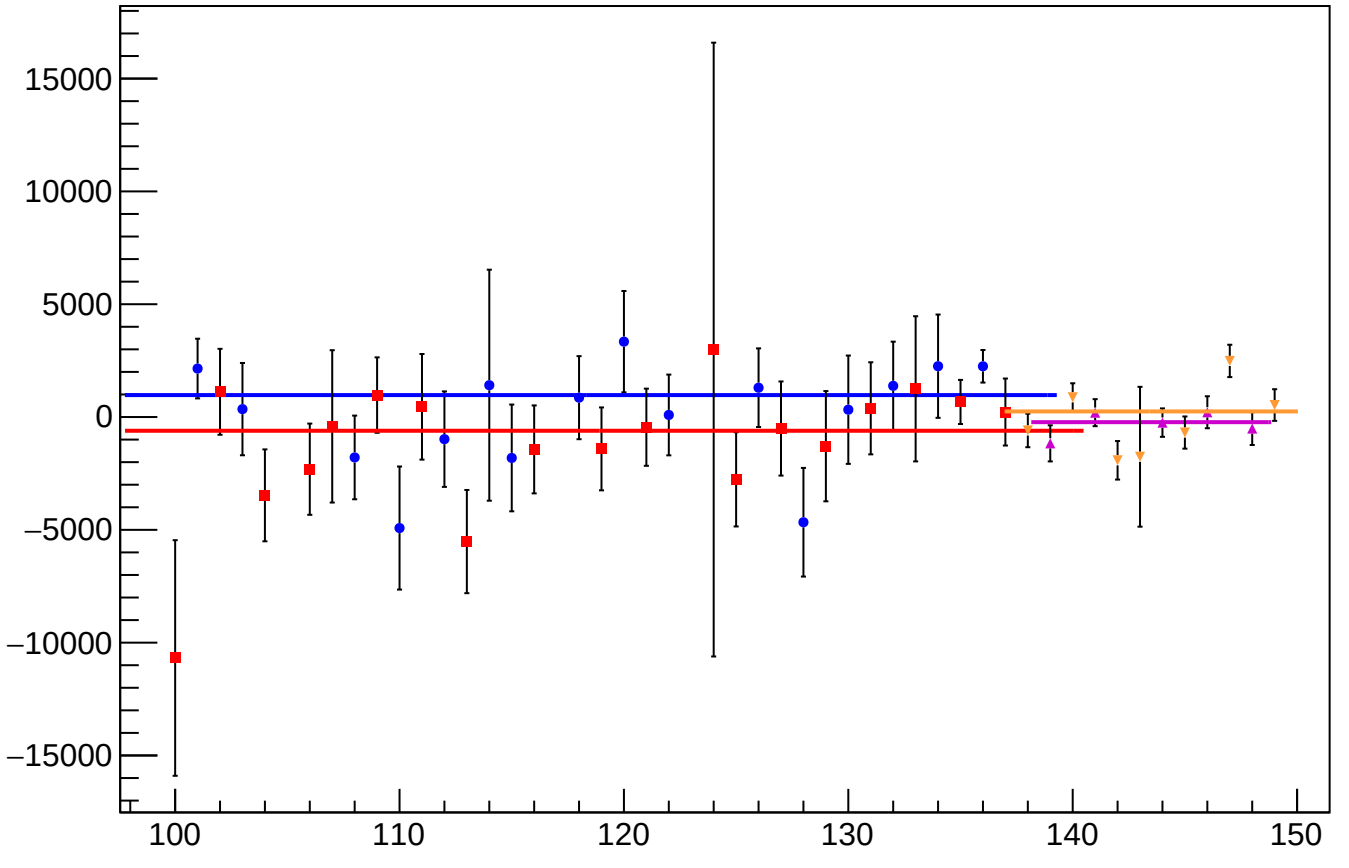
Left: 1239.037+/-0.282 χ^2/NDF: 153494.3/11

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1281.162+/-0.269 χ^2/NDF:516330.9/20

Out: 1245.897+/-0.250 χ^2/NDF:367280.2/25

All: 1262.211+/-0.183 χ^2/NDF: 892842.7/46



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 247.934+/-290.815 χ^2/NDF:20.8/6

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: 21.507+/-210.505 χ^2/NDF: 24.5/11

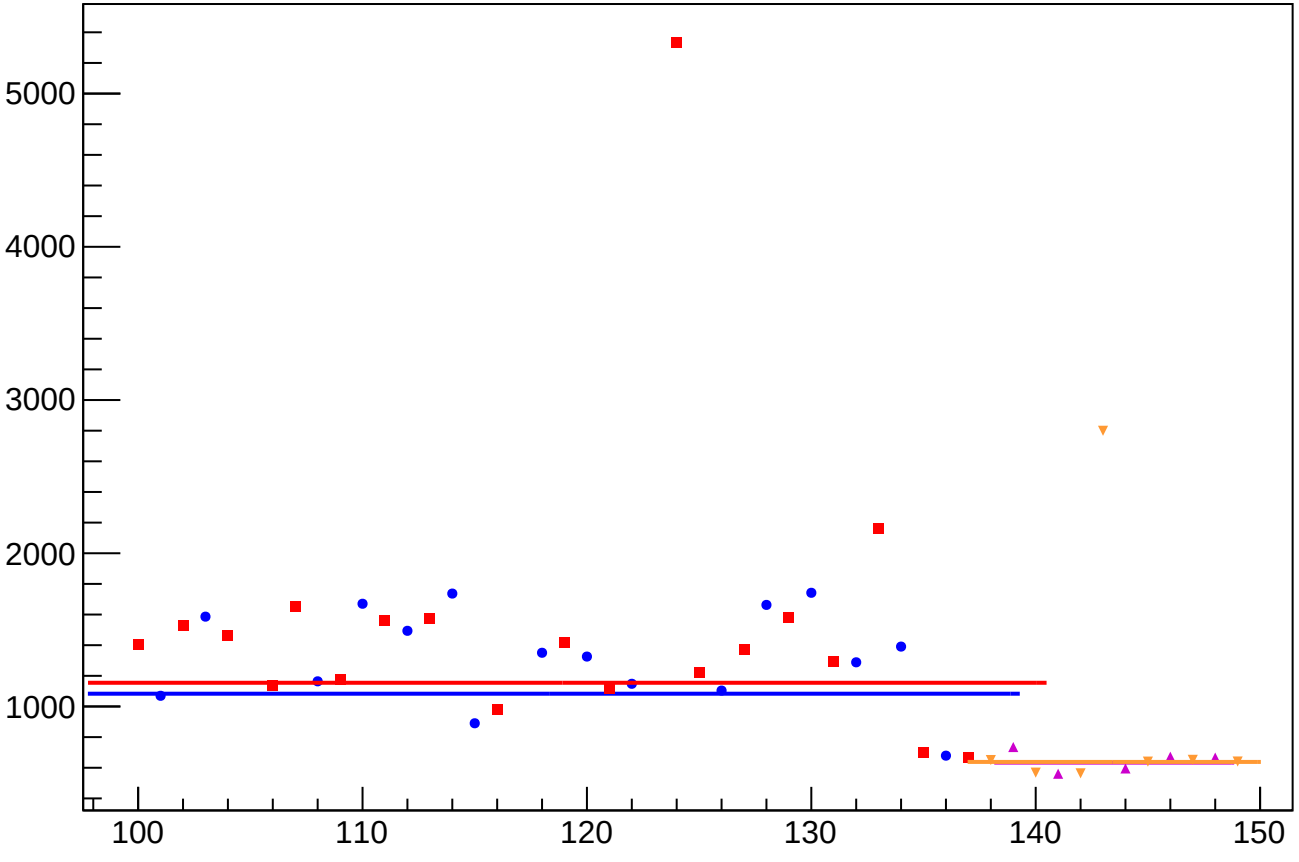
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 180.115+/-247.889 χ^2/NDF:28.1/20

Out: -6.156+/-243.884 χ^2/NDF:40.5/25

All: 85.463+/-173.851 χ^2/NDF: 68.9/46

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: 638.123+/-0.206 χ^2/NDF:1014470.1/6

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

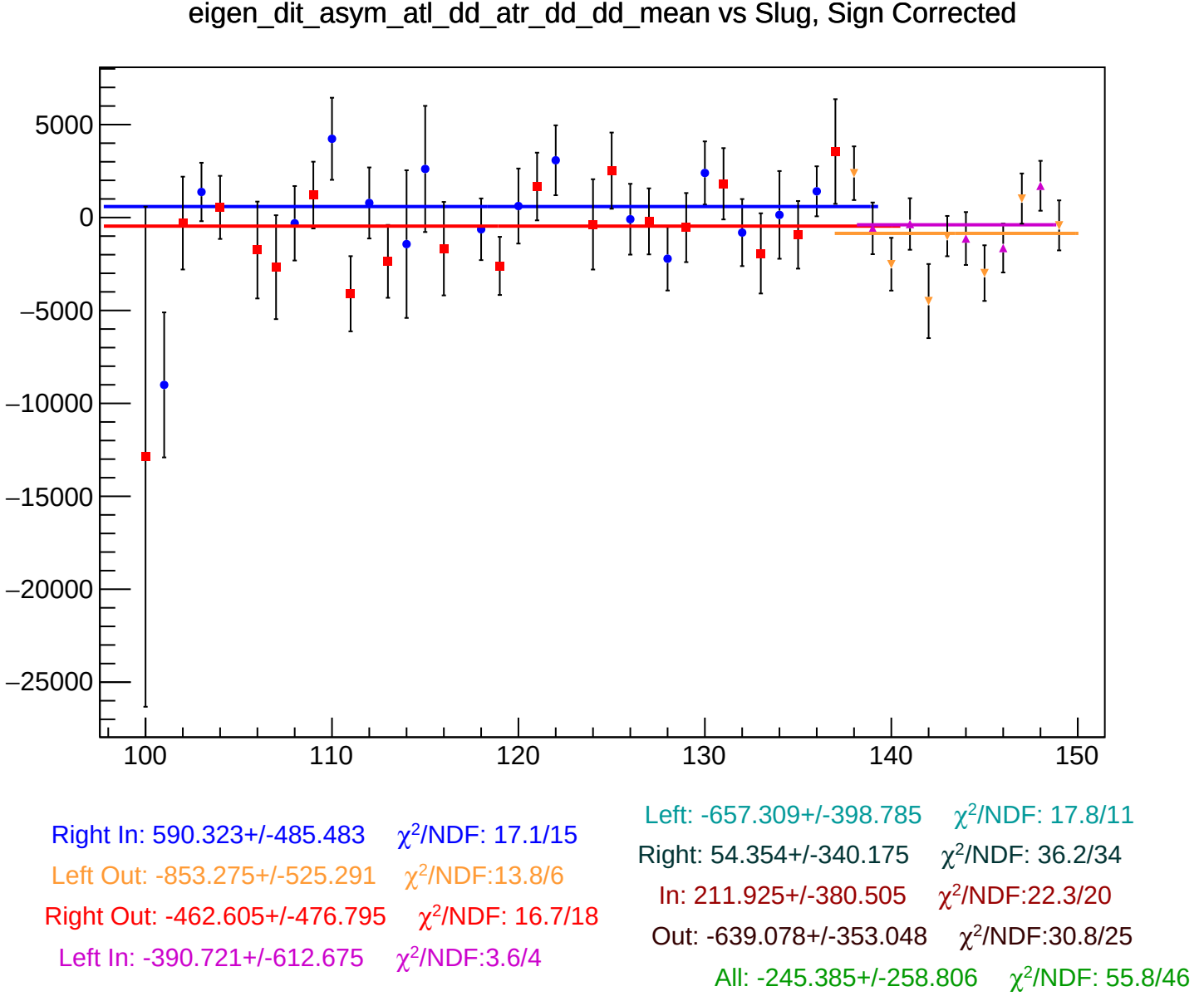
Left: 635.950+/-0.149 χ^2/NDF: 1093697.9/11

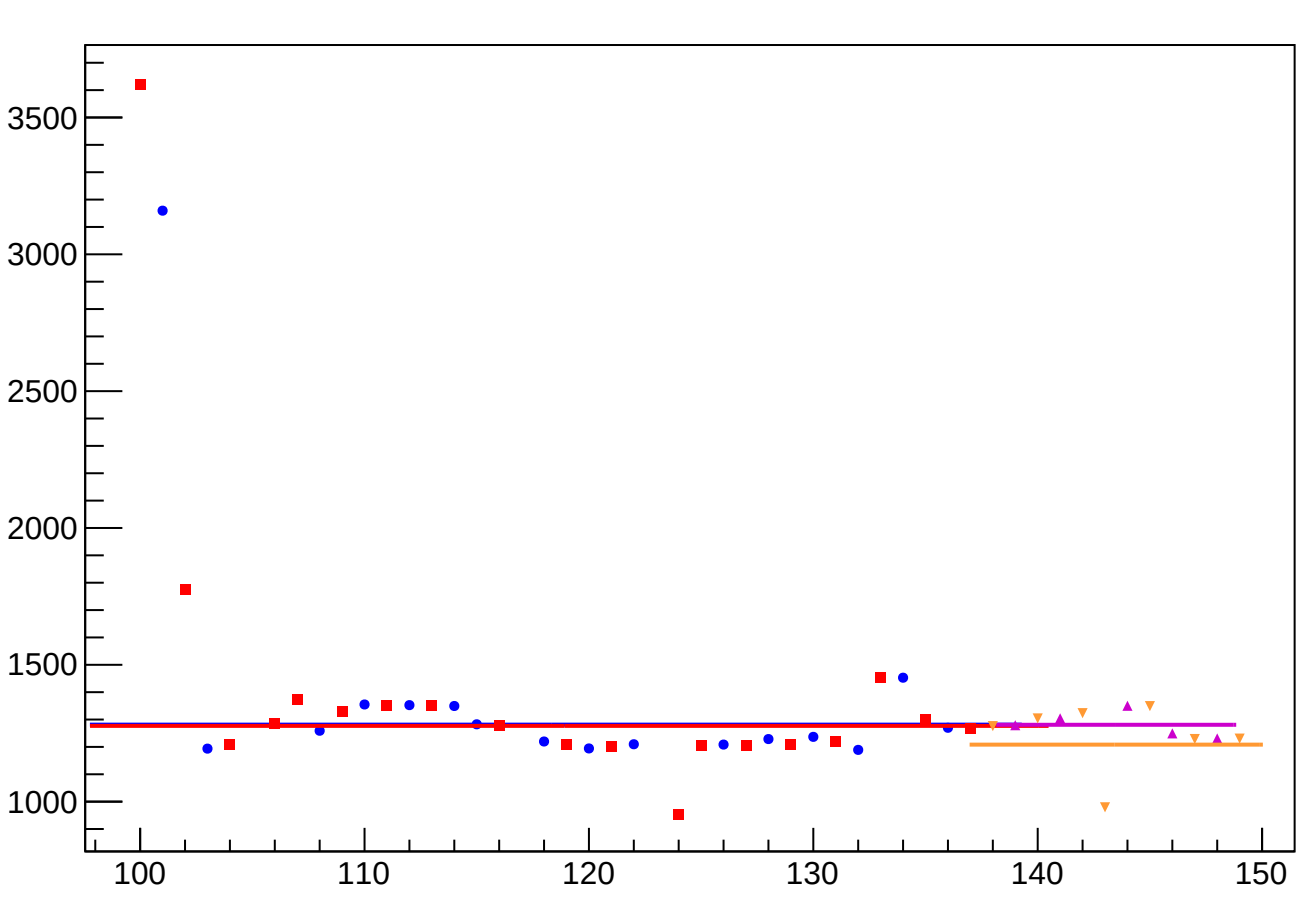
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 786.416+/-0.175 χ^2/NDF:2916341.6/20

Out: 791.402+/-0.172 χ^2/NDF:4375342.0/25

All: 788.950+/-0.123 χ^2/NDF: 7292094.7/46


eigen_dit_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: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -853.275+/-525.291 χ²/NDF:13.8/6
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -390.721+/-612.675 χ²/NDF:3.6/4
Left: -657.309+/-398.785 χ²/NDF: 17.8/11
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 211.925+/-380.505 χ²/NDF:22.3/20
Out: -639.078+/-353.048 χ²/NDF:30.8/25
All: -245.385+/-258.806 χ²/NDF: 55.8/46



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1208.314+/-0.371 χ^2/NDF:128093.5/6

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

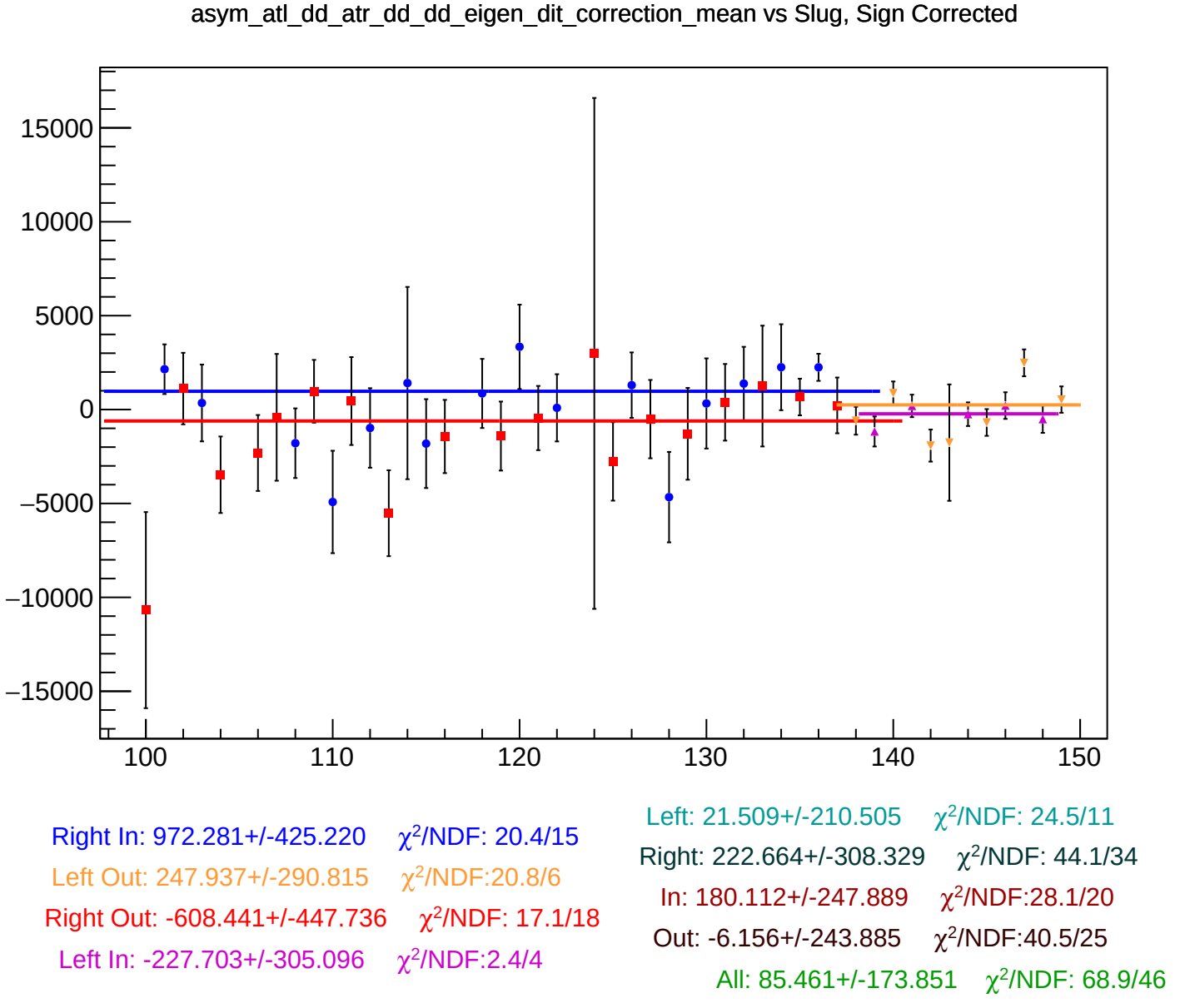
Left: 1239.037+/-0.282 χ^2/NDF: 153493.6/11

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

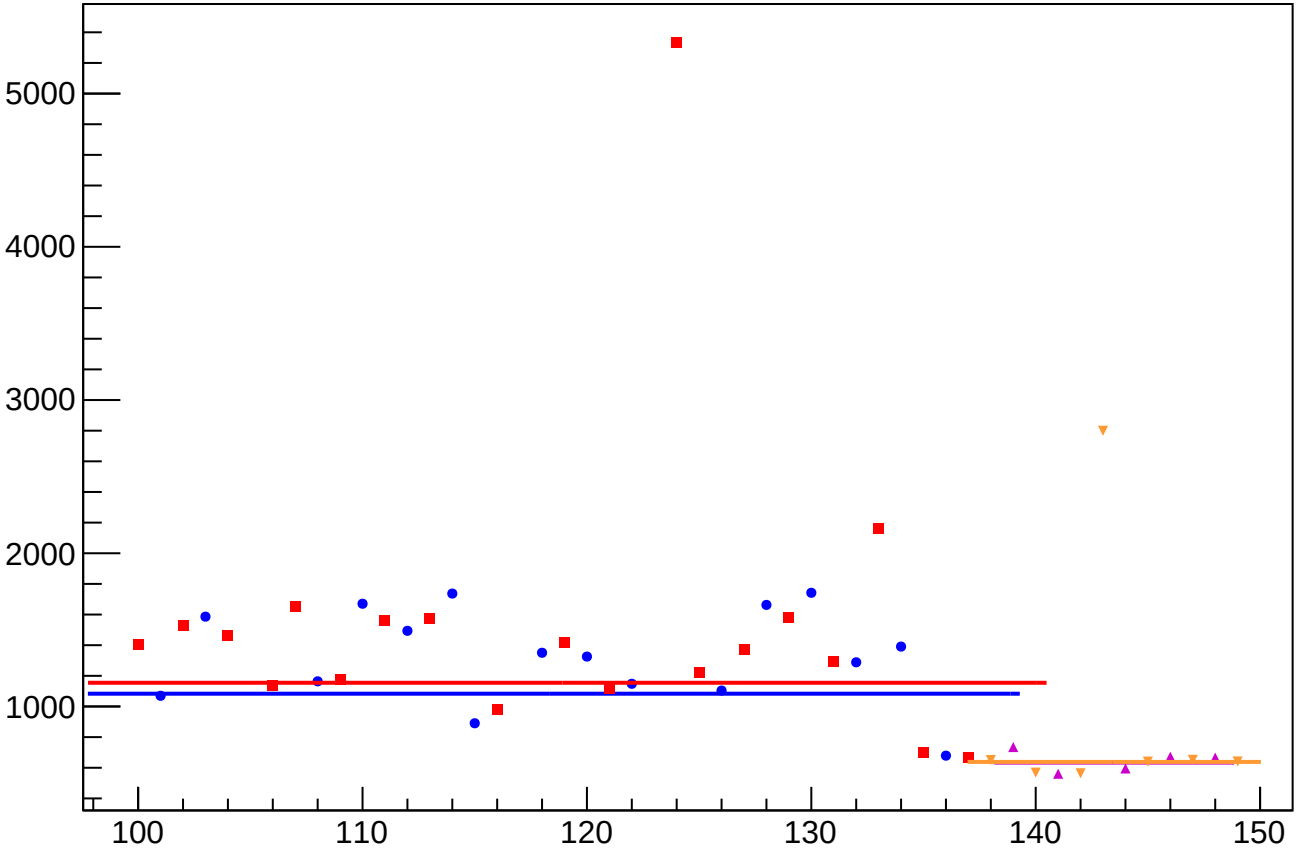
In: 1281.162+/-0.269 χ^2/NDF:516331.1/20

Out: 1245.897+/-0.250 χ^2/NDF:367279.2/25

All: 1262.211+/-0.183 χ^2/NDF: 892841.8/46


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 247.937+/-290.815 χ²/NDF:20.8/6
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -227.703+/-305.096 χ²/NDF:2.4/4
Left: 21.509+/-210.505 χ²/NDF: 24.5/11
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 180.112+/-247.889 χ²/NDF:28.1/20
Out: -6.156+/-243.885 χ²/NDF:40.5/25
All: 85.461+/-173.851 χ²/NDF: 68.9/46

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: 638.125+/-0.206 χ^2/NDF:1014468.0/6

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 633.559+/-0.216 χ^2/NDF:78995.9/4

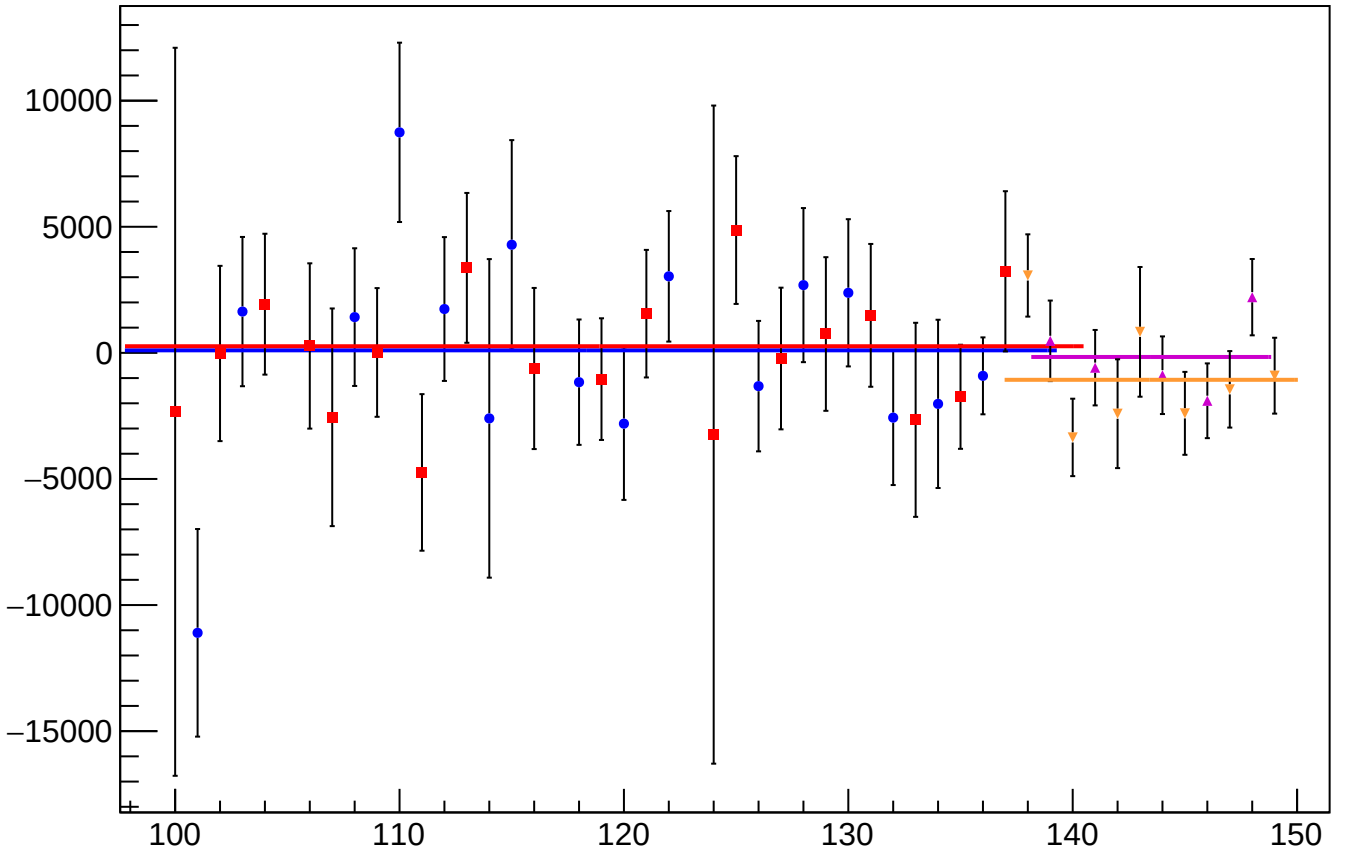
Left: 635.951+/-0.149 χ^2/NDF: 1093698.5/11

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 786.417+/-0.175 χ^2/NDF:2916323.5/20

Out: 791.406+/-0.172 χ^2/NDF:4375310.0/25

All: 788.952+/-0.123 χ^2/NDF: 7292045.0/46



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.414+/-643.809 χ^2/NDF:10.3/6

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -162.584+/-681.529 χ^2/NDF:4.3/4

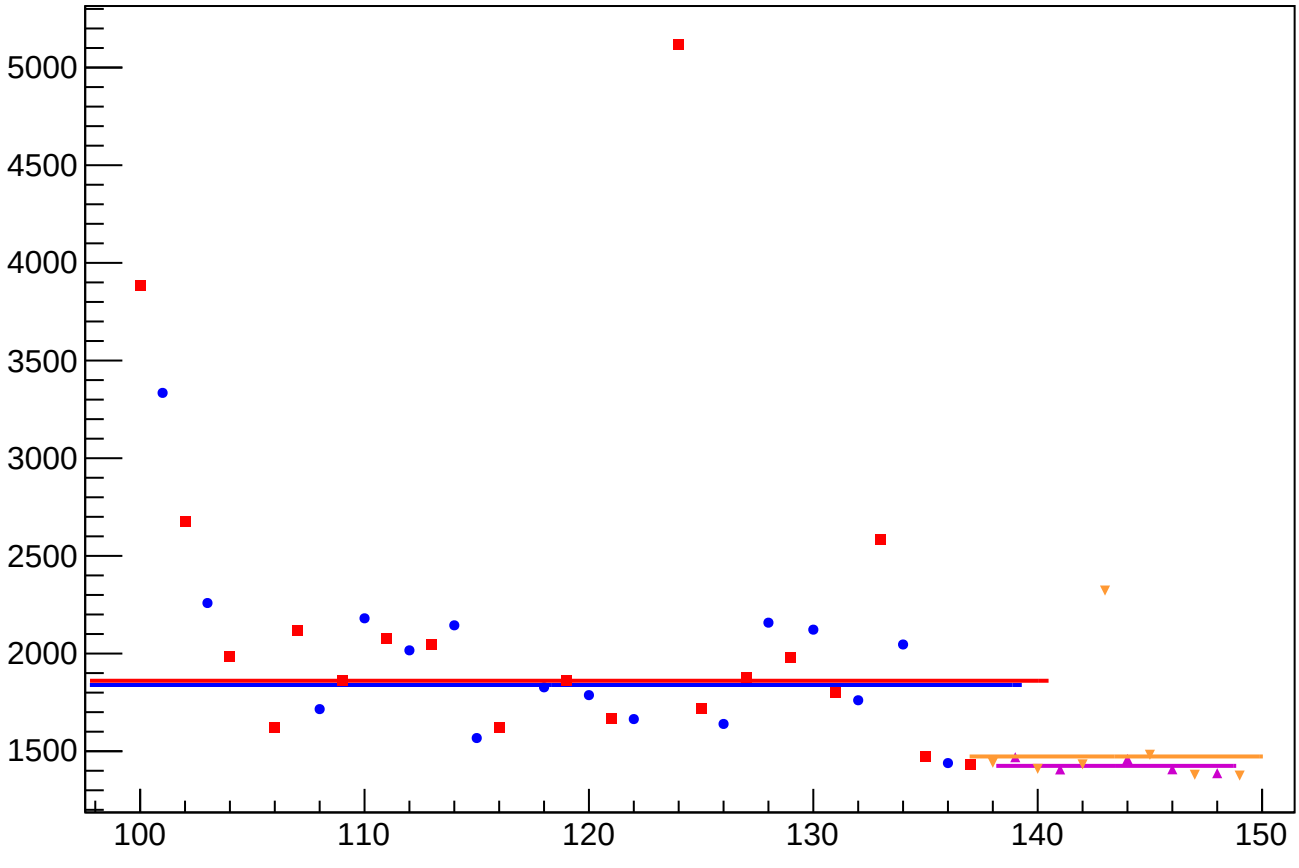
Left: -641.259+/-468.009 χ^2/NDF: 15.5/11

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -34.391+/-487.968 χ^2/NDF:25.7/20

Out: -458.146+/-473.778 χ^2/NDF:22.6/25

All: -252.519+/-339.917 χ^2/NDF: 48.6/46



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1473.121+/-0.455 χ^2/NDF:239086.8/6

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

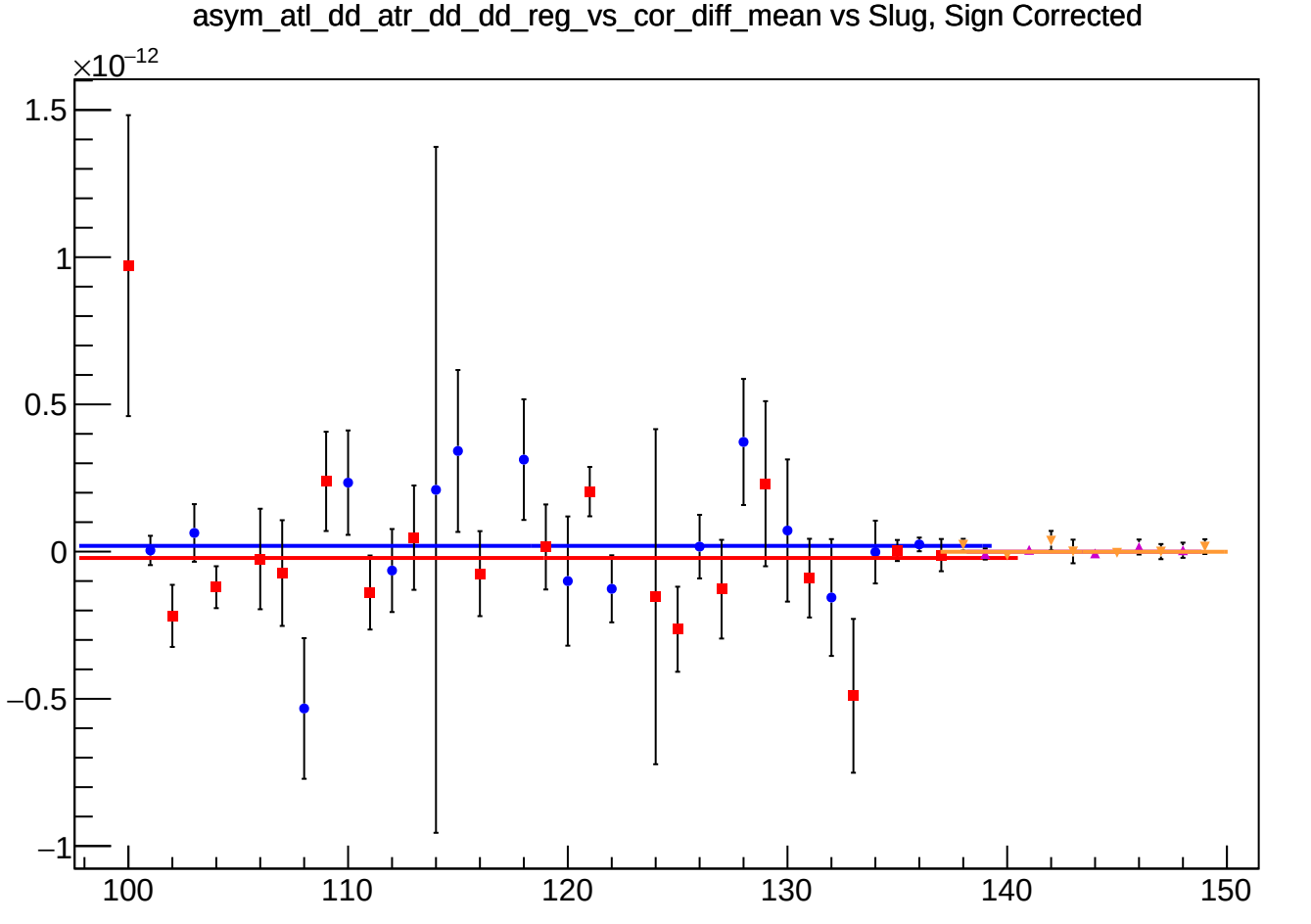
Left: 1450.446+/-0.331 χ^2/NDF: 248741.3/11

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1626.841+/-0.345 χ^2/NDF:920929.1/20

Out: 1650.835+/-0.335 χ^2/NDF:1093599.1/25

All: 1639.192+/-0.240 χ^2/NDF: 2017017.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/4

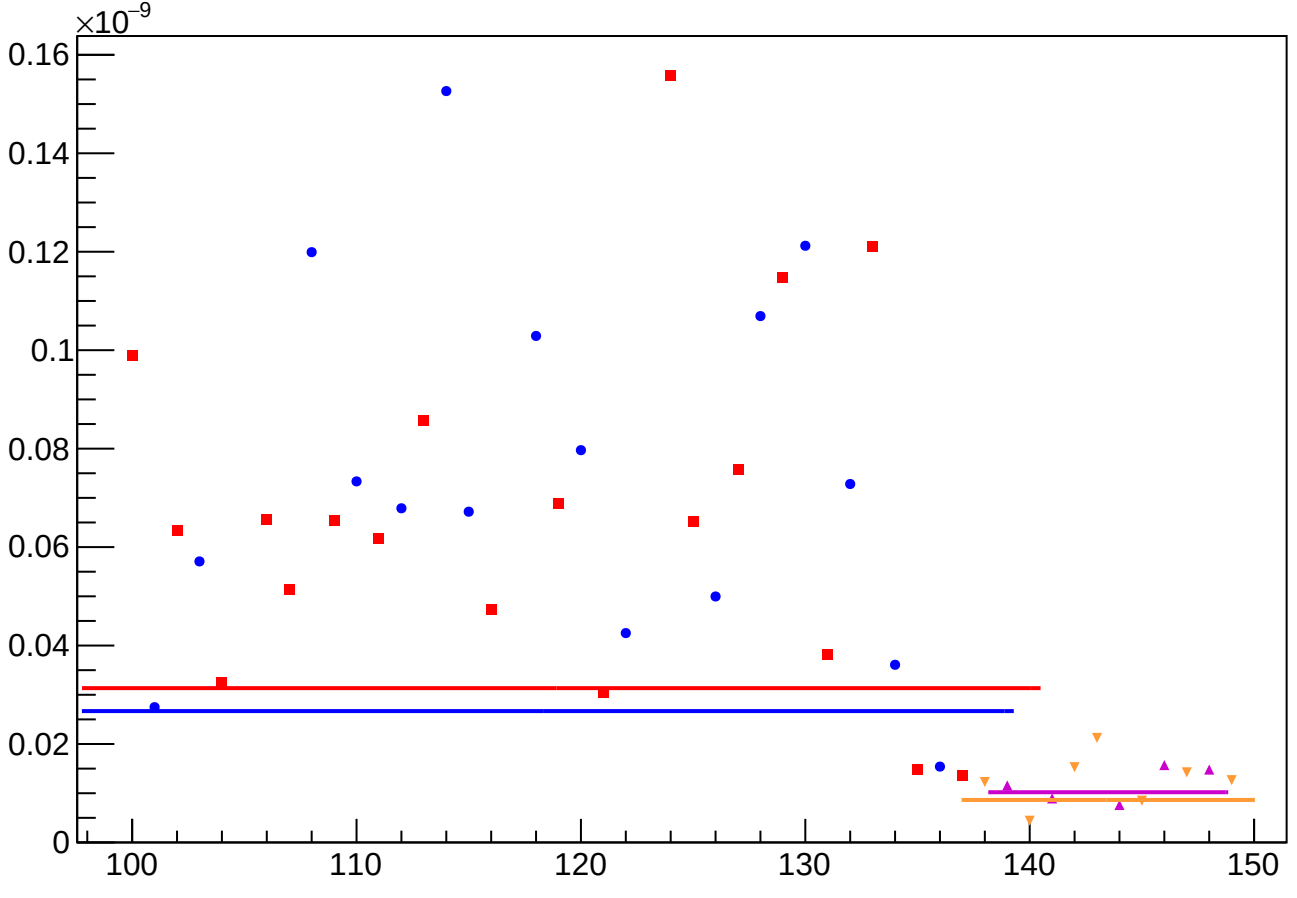
Left: -0.000+/-0.000 χ^2/NDF: 5.4/11

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:33.5/25

All: -0.000+/-0.000 χ^2/NDF: 52.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:802333.7/6

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: 1100978.8/11

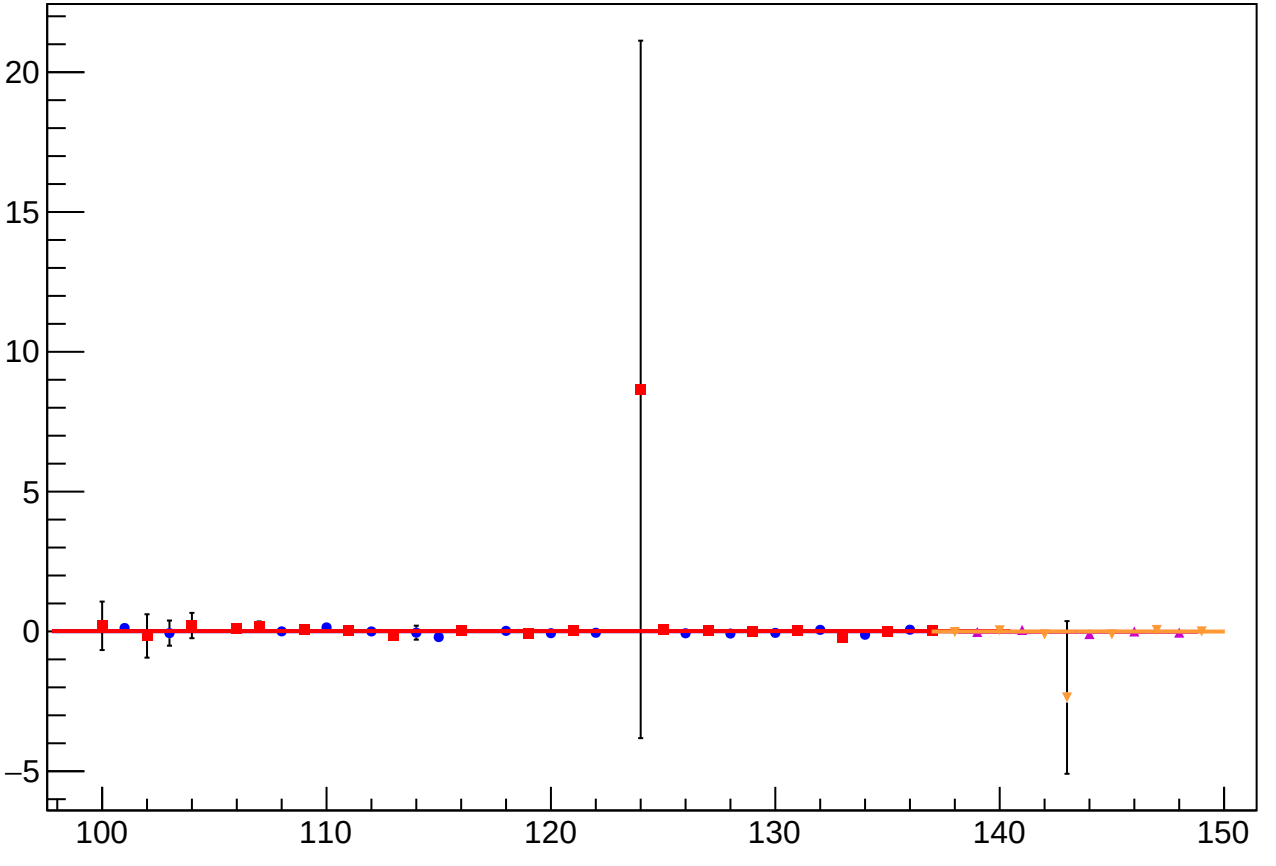
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4132618.0/20

Out: 0.000+/-0.000 χ^2/NDF:4964948.9/25

All: 0.000+/-0.000 χ^2/NDF: 9184176.5/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

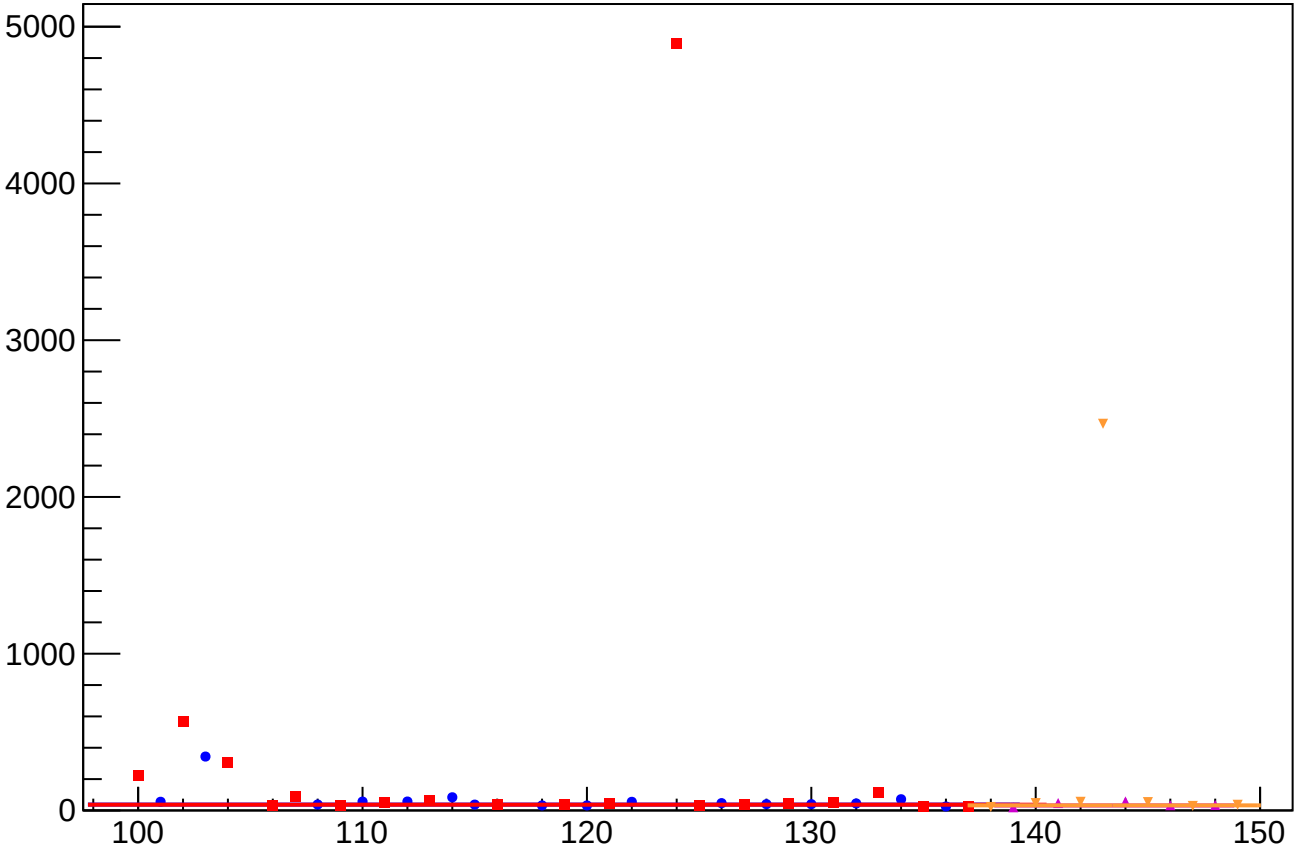
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

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: 32.179+/-0.009 χ^2/NDF: 3299163.4/11

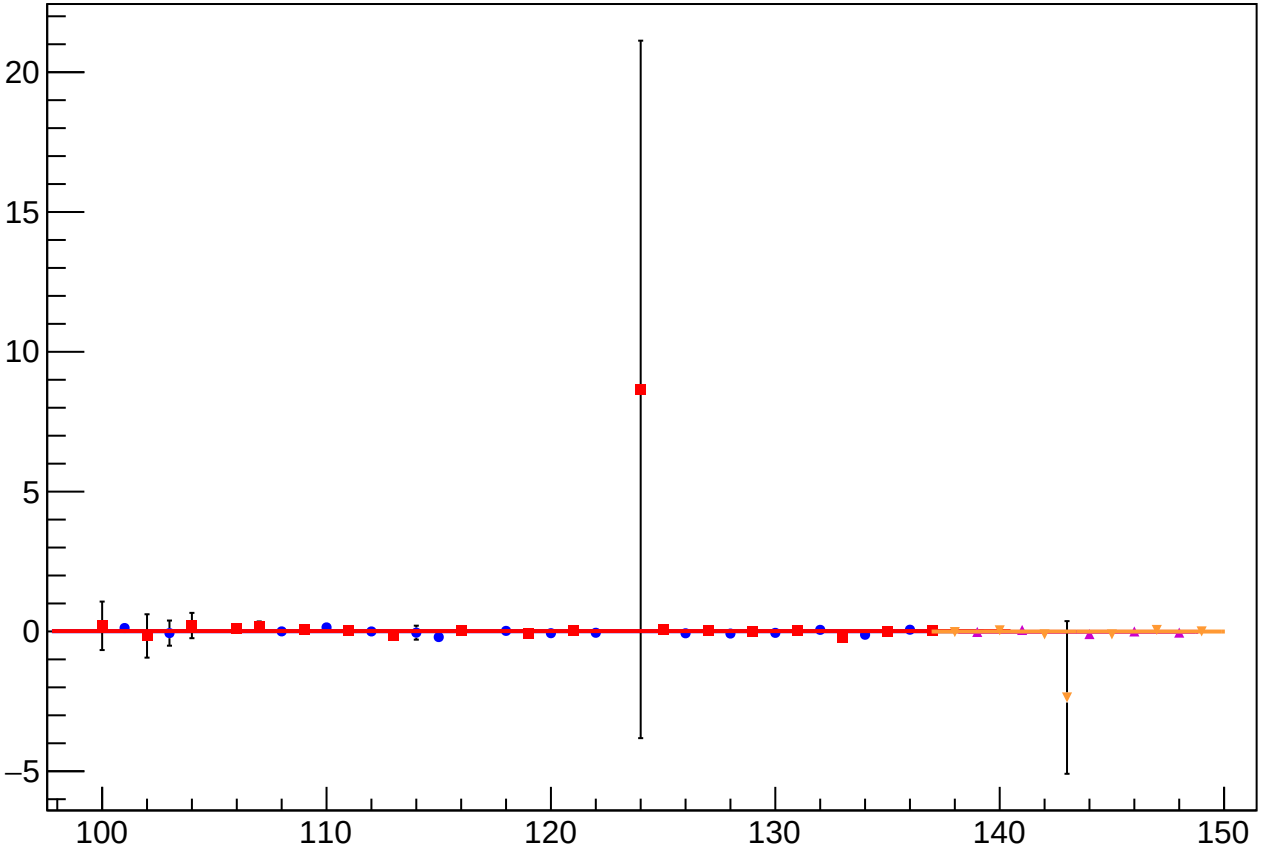
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.716+/-0.008 χ^2/NDF:5665993.4/25

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

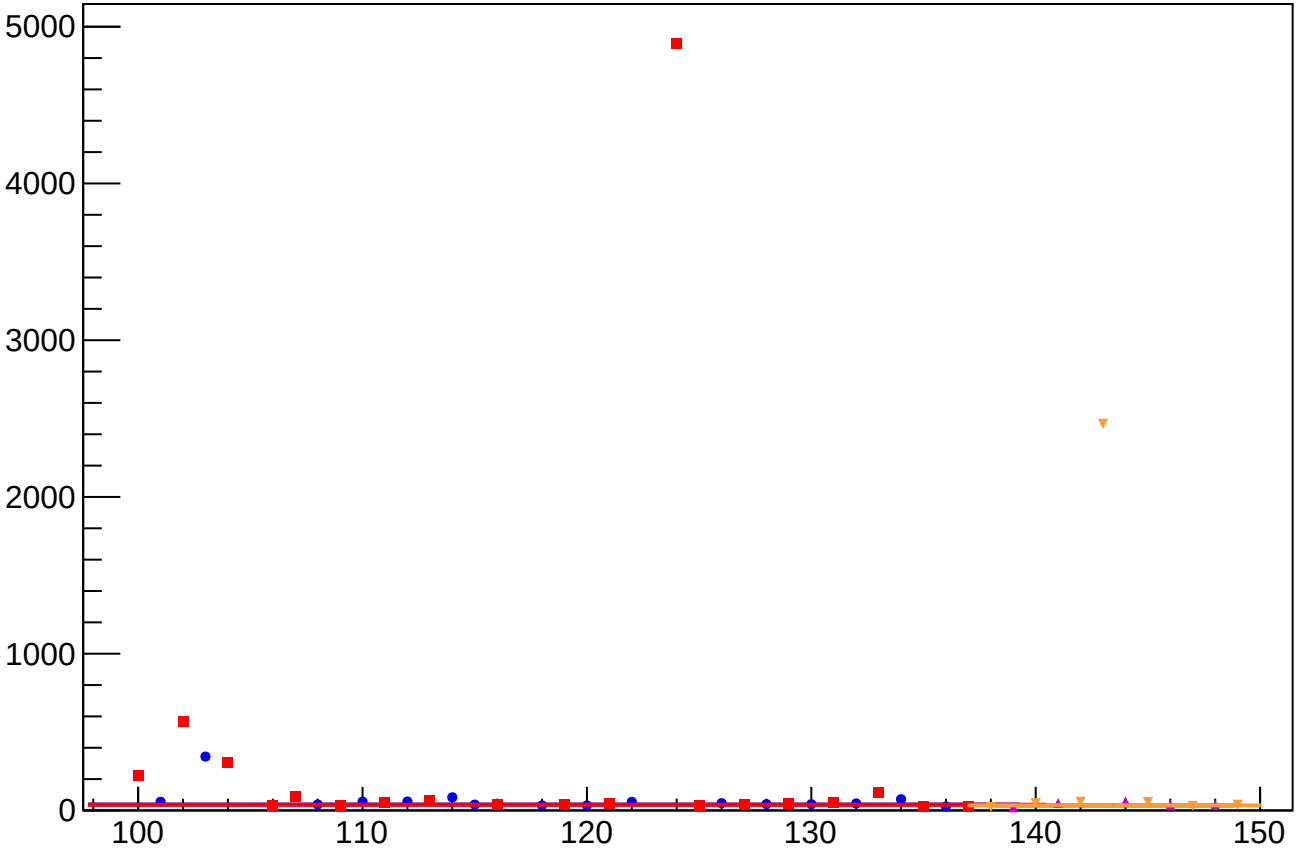
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

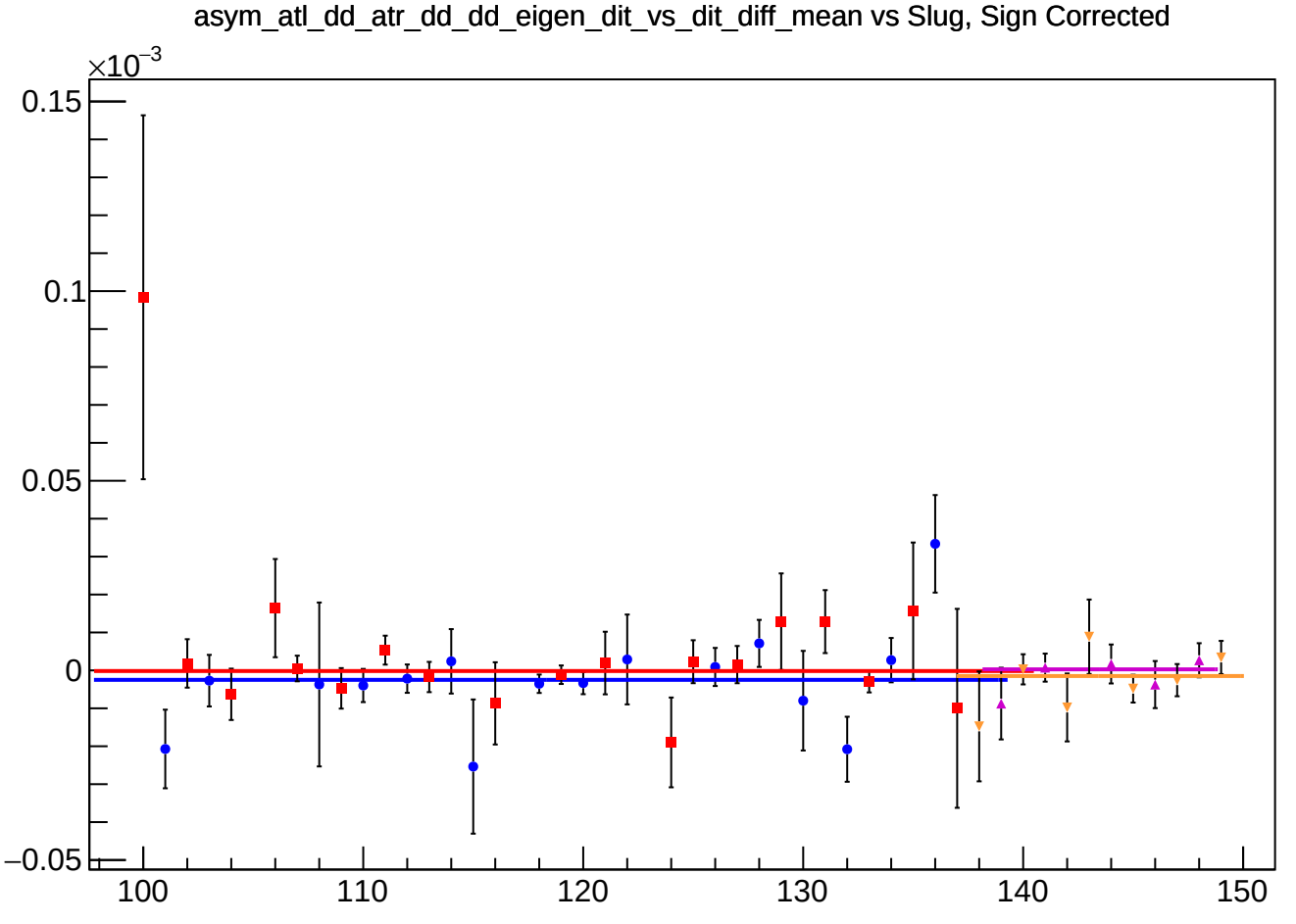
Left: 32.179+/-0.009 χ^2/NDF: 3299163.4/11

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.716+/-0.008 χ^2/NDF:5665993.4/25

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/6

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: 7.2/11

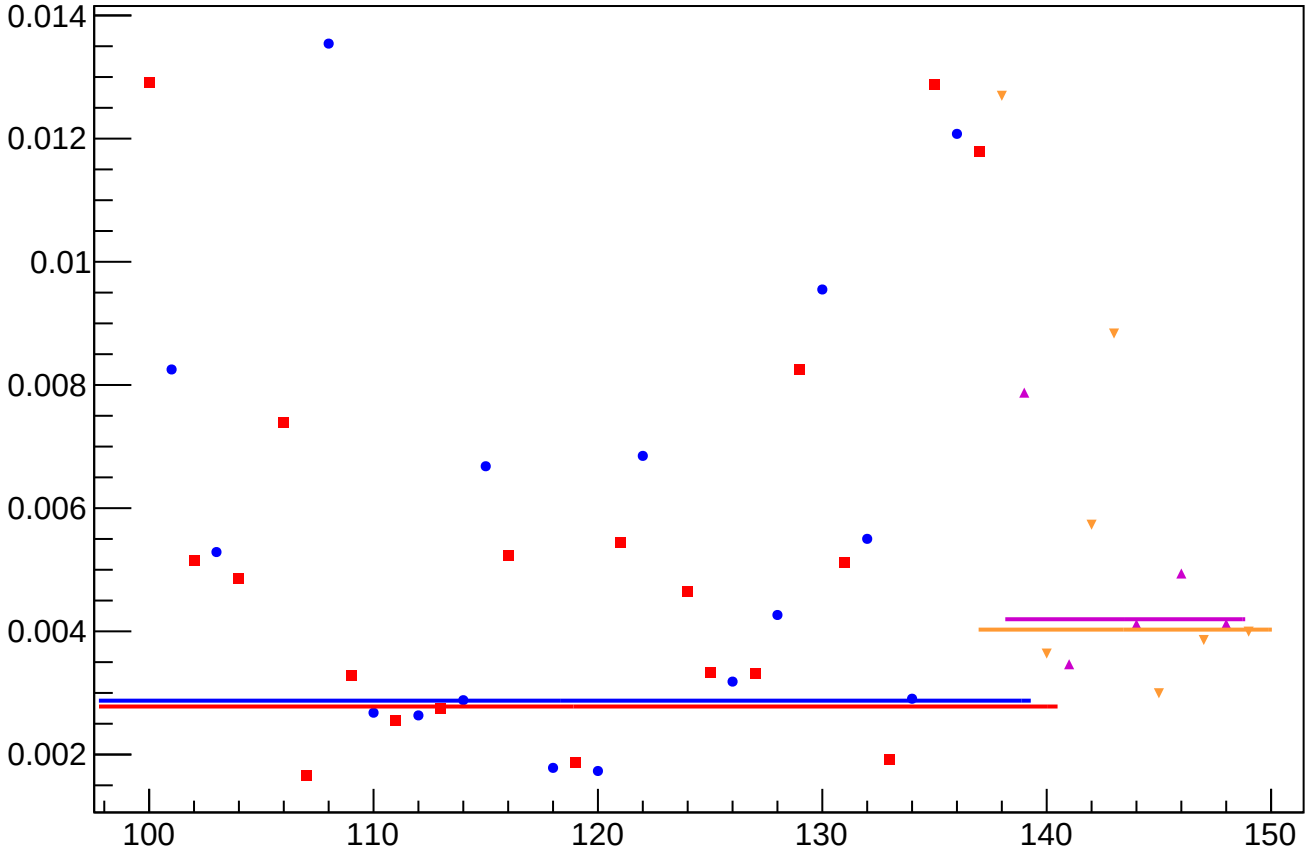
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:24.3/25

All: -0.000+/-0.000 χ^2/NDF: 49.7/46

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1449222.5/6

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: 1866303.6/11

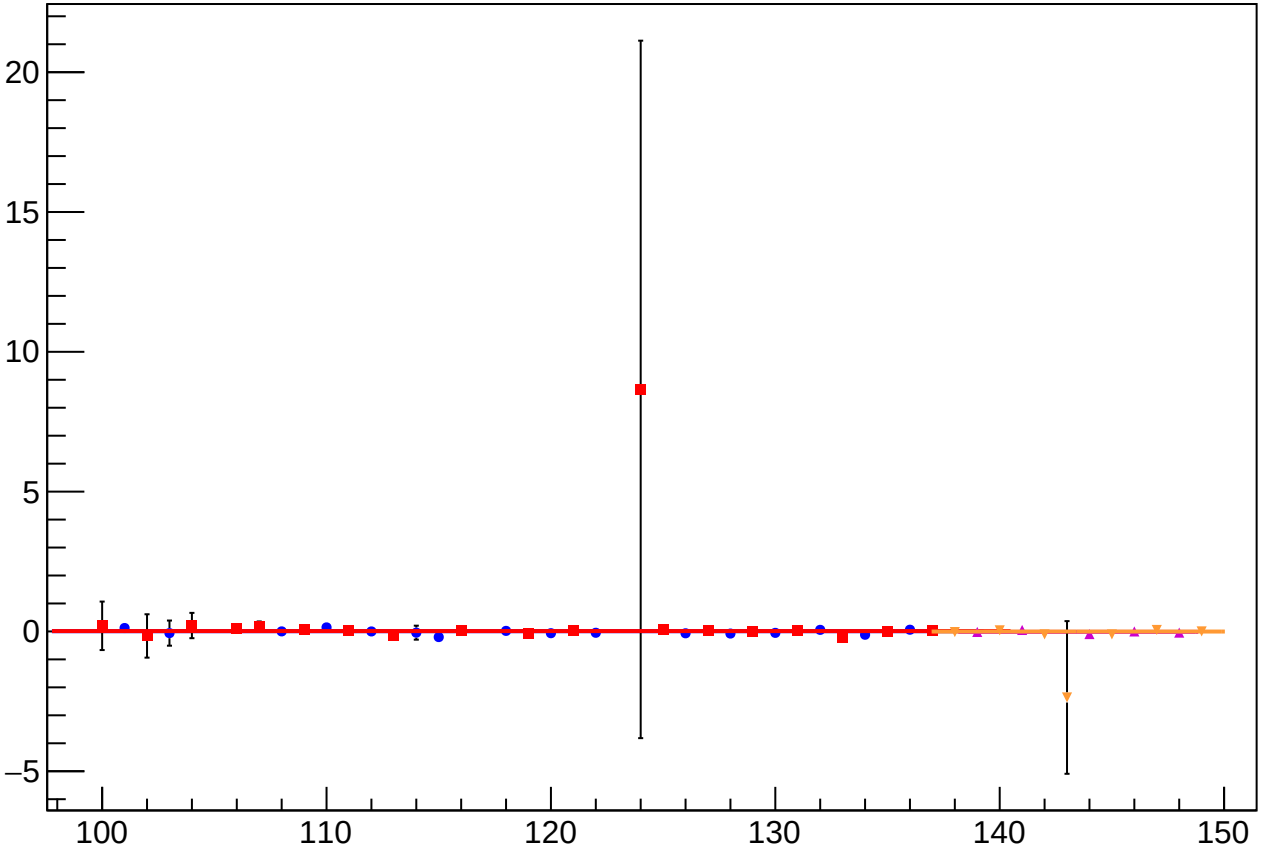
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5079592.5/20

Out: 0.003+/-0.000 χ^2/NDF:5378885.6/25

All: 0.003+/-0.000 χ^2/NDF: 10465140.2/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

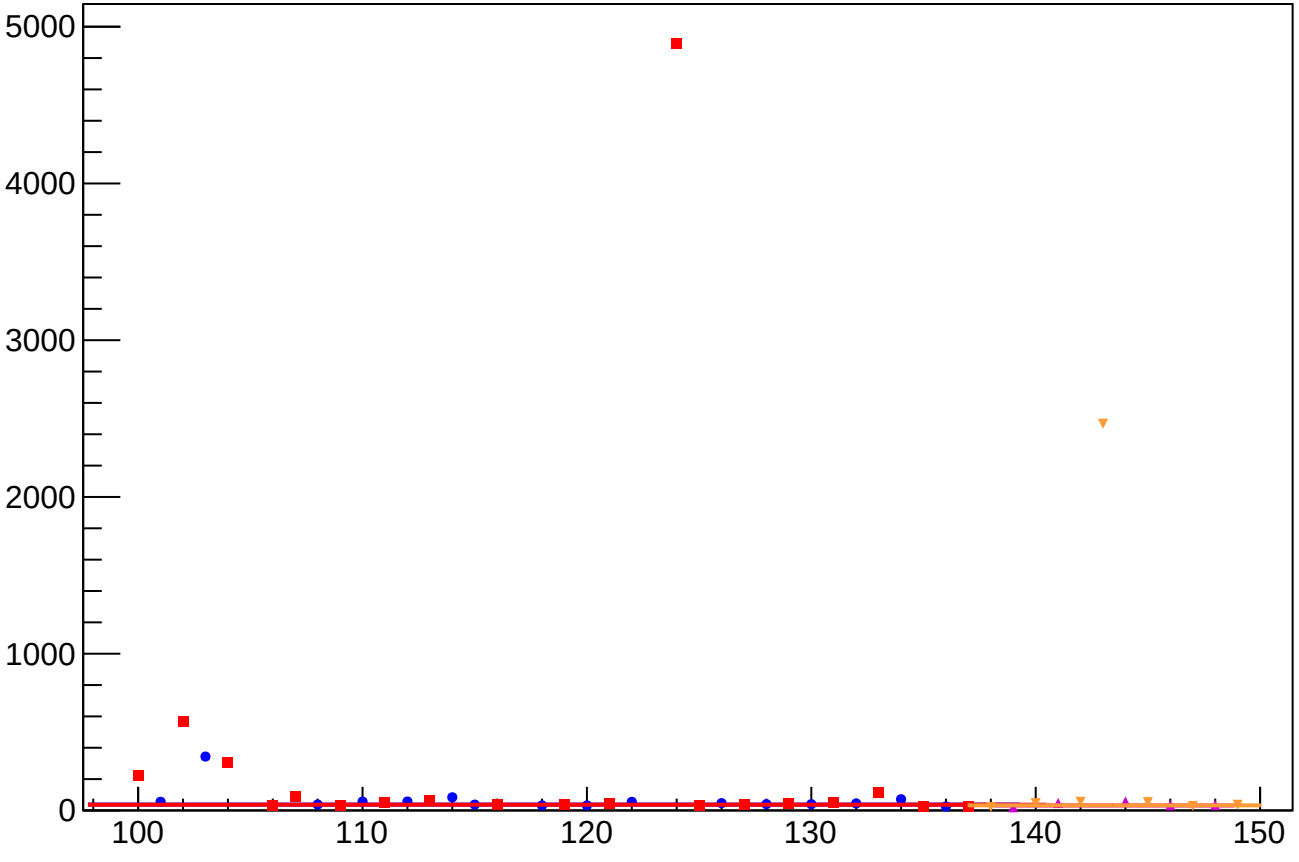
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.523+/-0.012 χ^2/NDF:2412617.4/6

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: 32.180+/-0.009 χ^2/NDF: 3298723.4/11

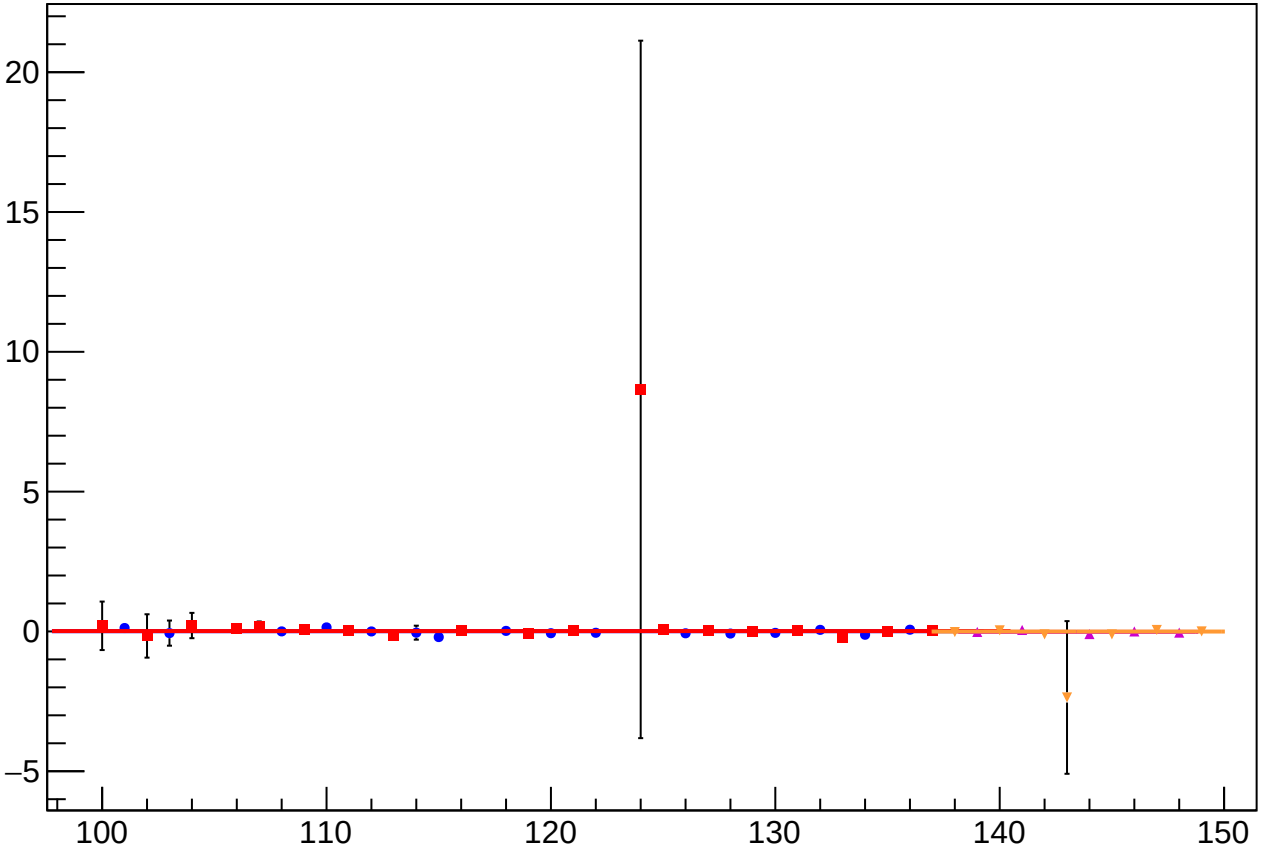
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.715+/-0.008 χ^2/NDF:5666166.4/25

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

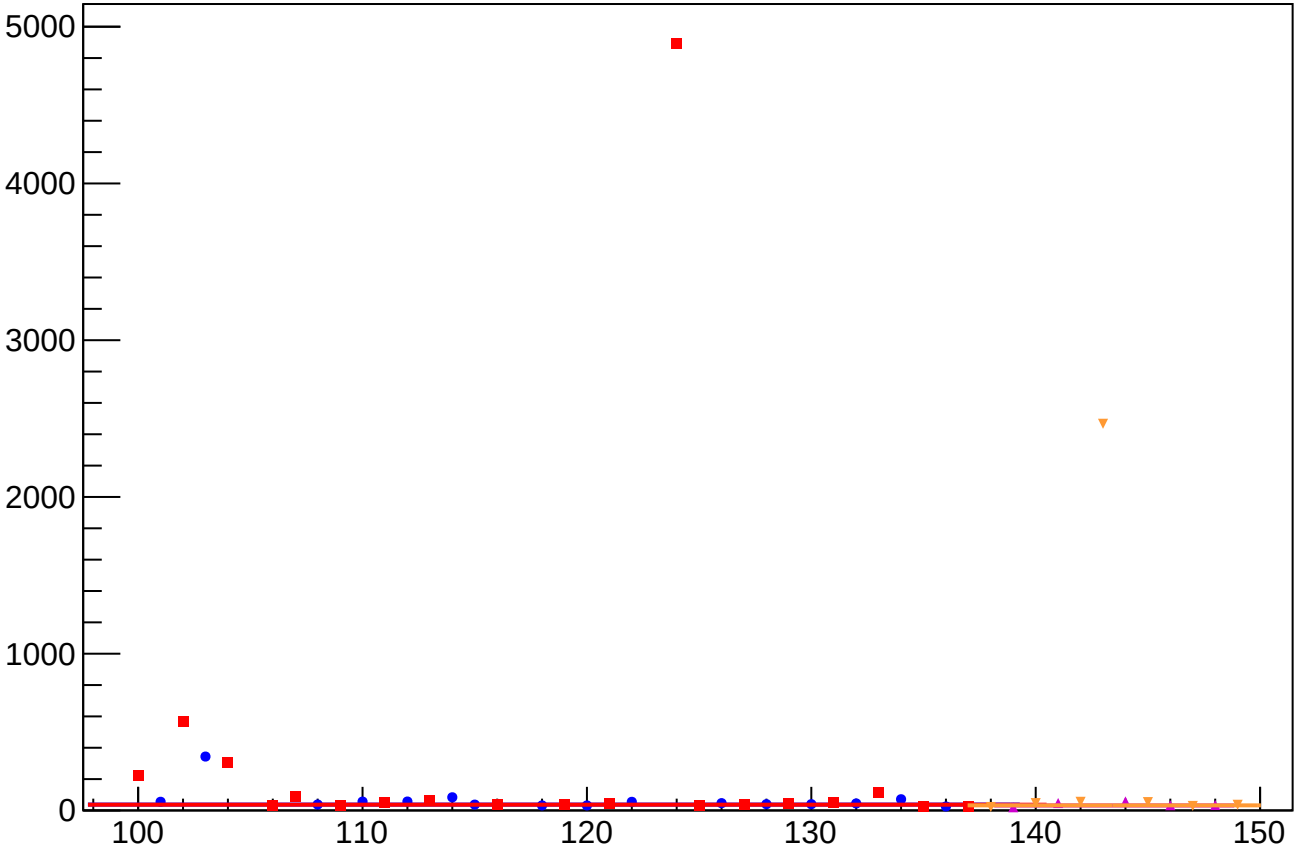
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.523+/-0.012 χ^2/NDF:2412617.4/6

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

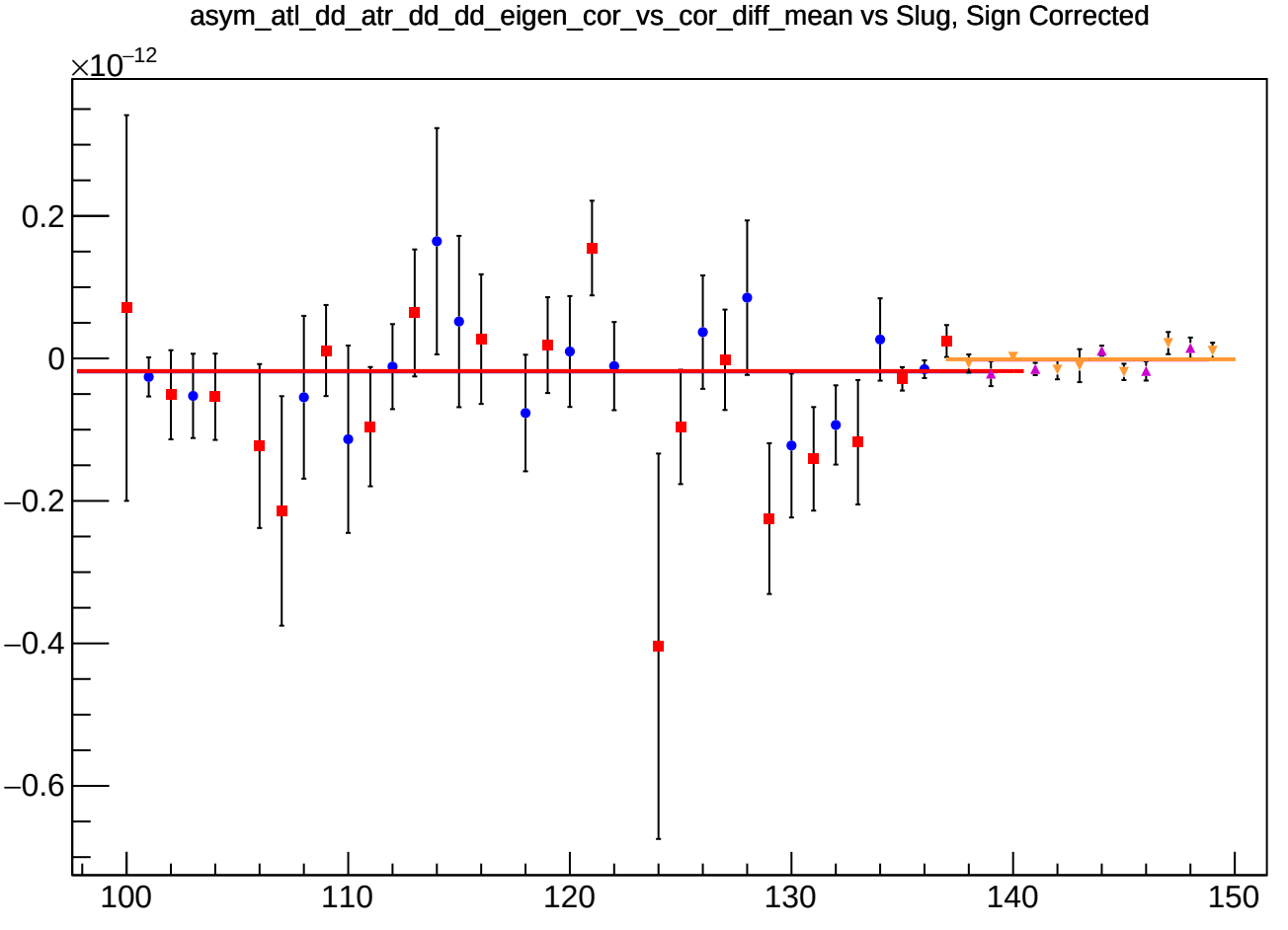
Left: 32.180+/-0.009 χ^2/NDF: 3298723.4/11

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.715+/-0.008 χ^2/NDF:5666166.4/25

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/4

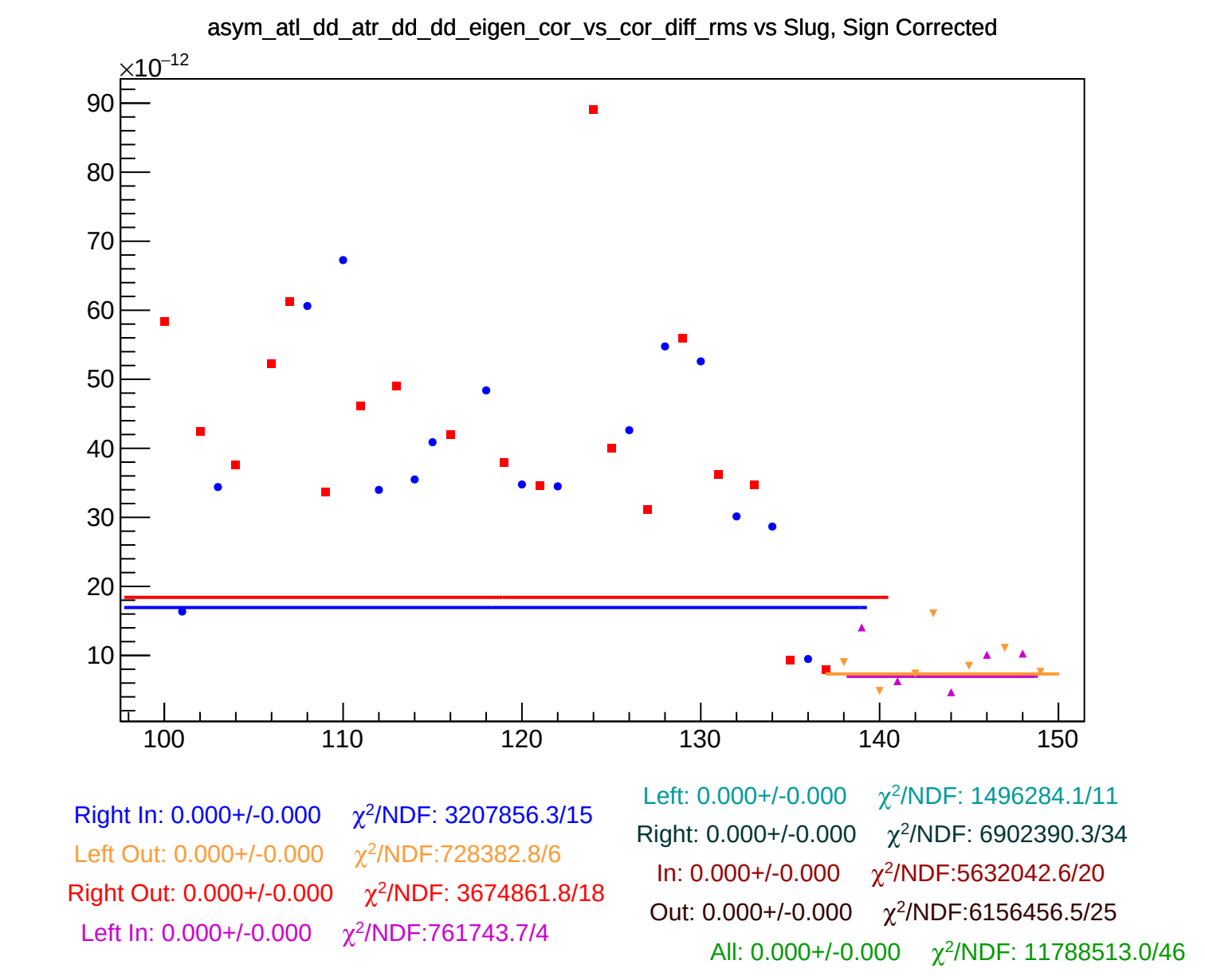
Left: -0.000+/-0.000 χ^2/NDF: 16.8/11

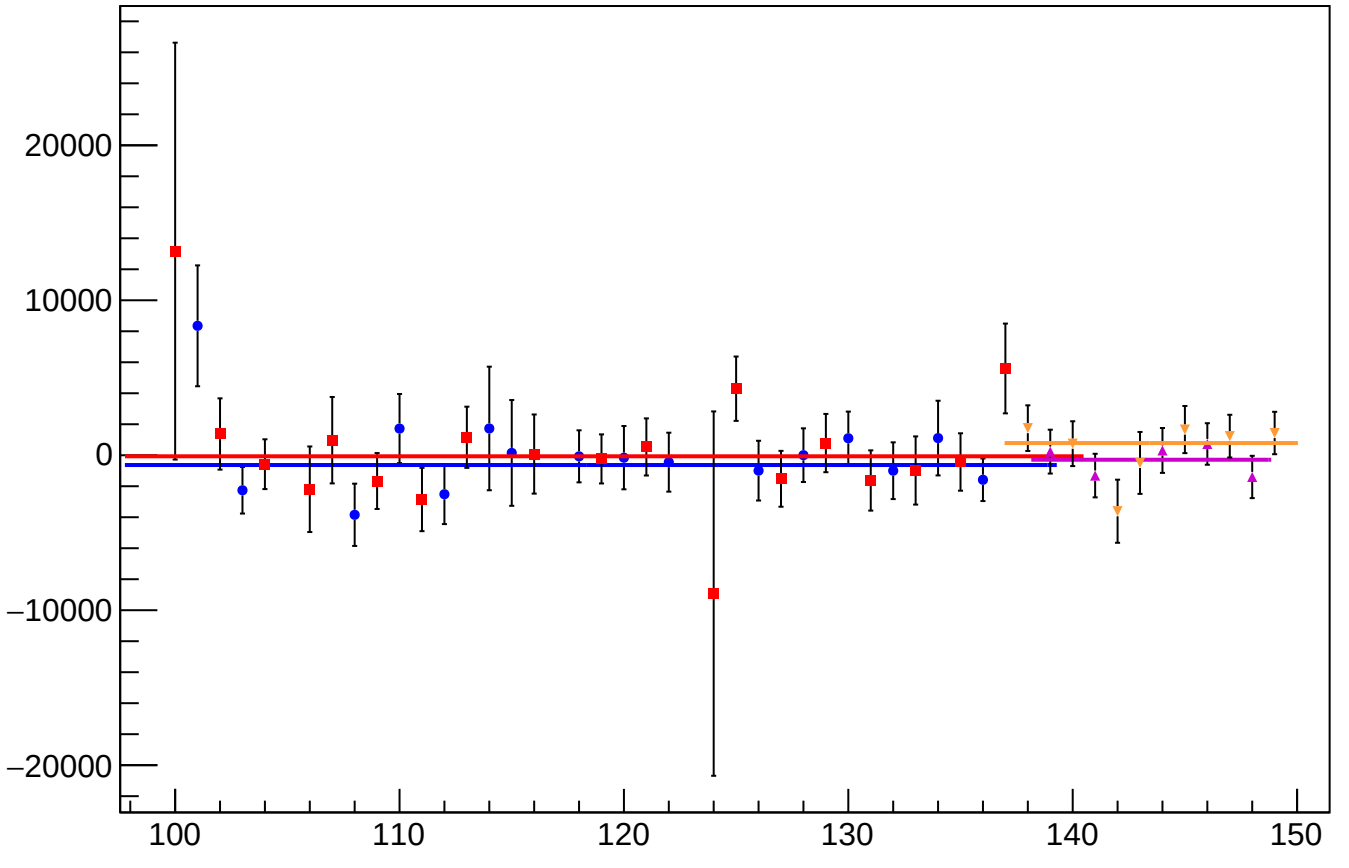
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:20.0/20

Out: -0.000+/-0.000 χ^2/NDF:36.7/25

All: -0.000+/-0.000 χ^2/NDF: 56.7/46


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:728382.8/6
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: 1496284.1/11
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:6156456.5/25
All: 0.000+/-0.000 χ²/NDF: 11788513.0/46



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.631+/-584.802 χ^2/NDF:6.2/6

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -290.048+/-623.108 χ^2/NDF:2.1/4

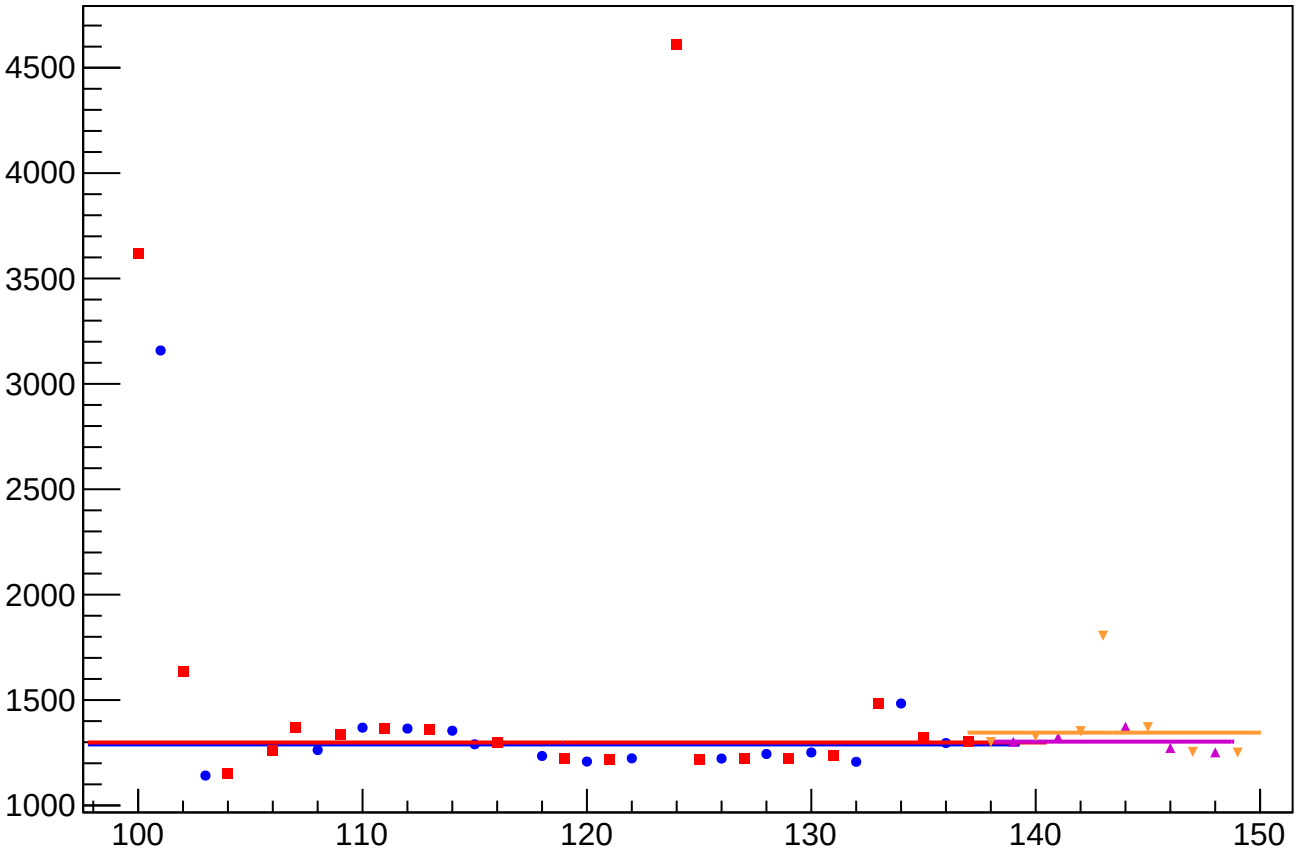
Left: 282.401+/-426.417 χ^2/NDF: 9.8/11

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -501.186+/-384.521 χ^2/NDF:16.2/20

Out: 282.830+/-374.574 χ^2/NDF:23.3/25

All: -98.907+/-268.311 χ^2/NDF: 41.6/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

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: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

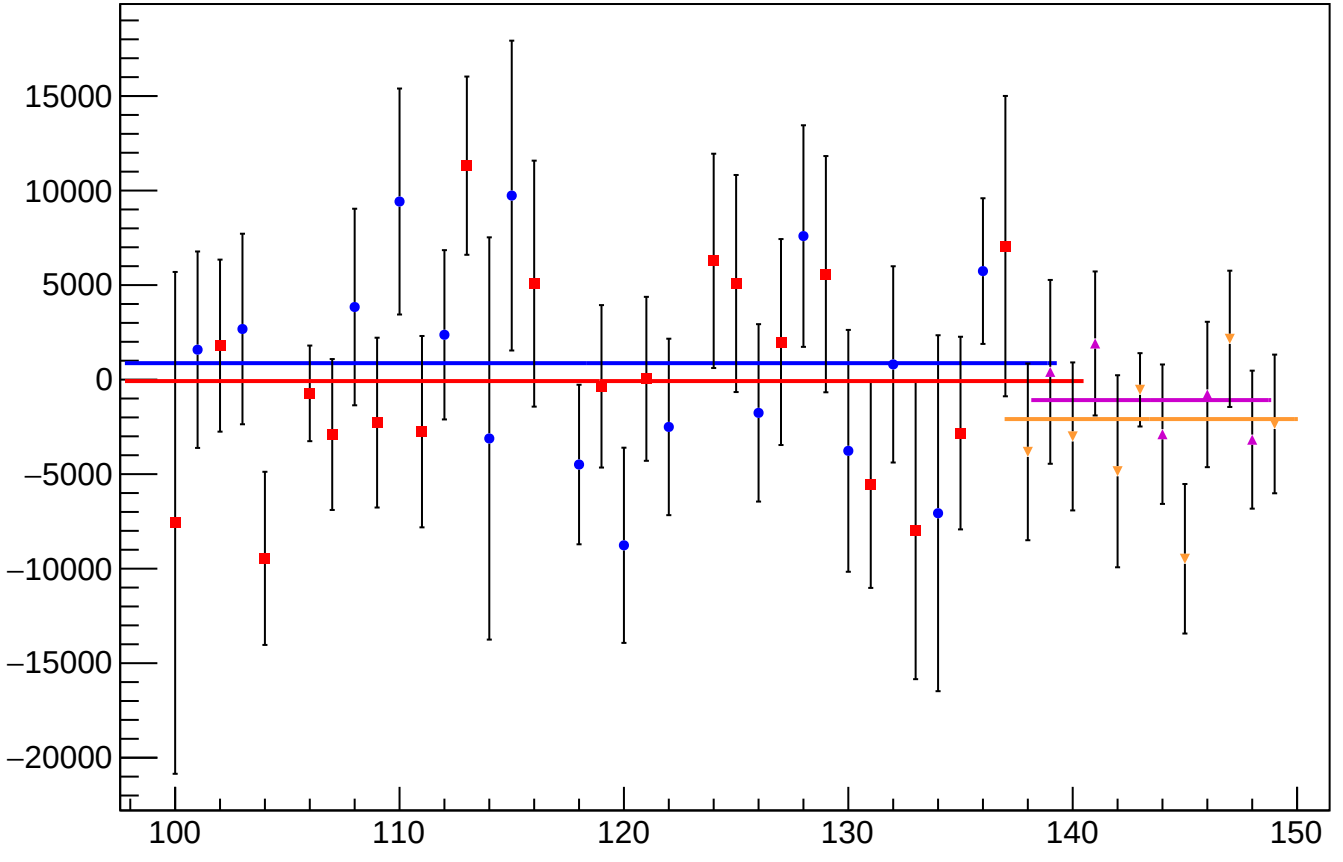
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1294.485+/-0.272 χ^2/NDF:524191.7/20

Out: 1317.766+/-0.264 χ^2/NDF:454067.0/25

All: 1306.449+/-0.190 χ^2/NDF: 982026.0/46

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2087.238+/-1259.002 χ^2/NDF:6.0/6

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1083.518+/-1747.502 χ^2/NDF:1.3/4

Left: -1744.269+/-1021.501 χ^2/NDF: 7.5/11

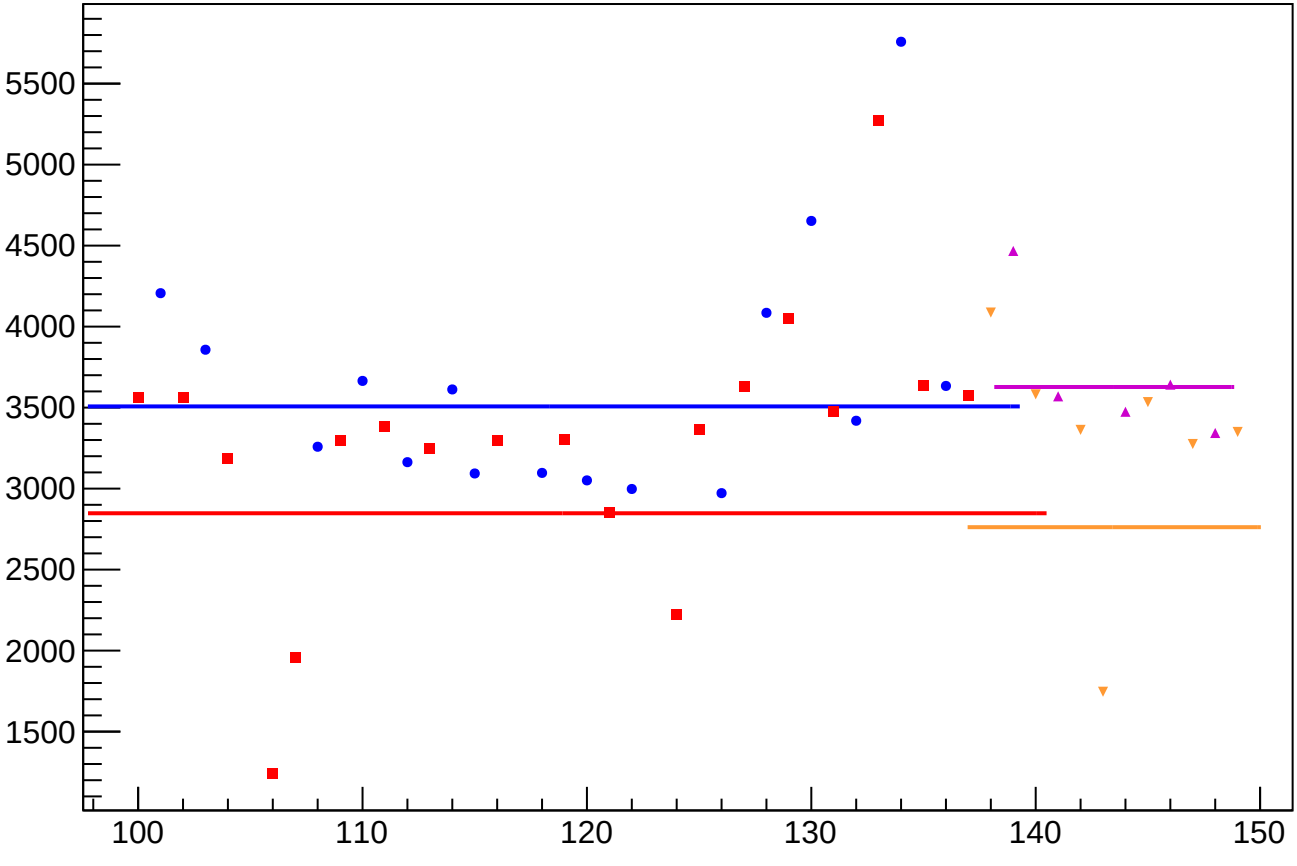
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 156.882+/-1055.958 χ^2/NDF:16.1/20

Out: -957.319+/-833.063 χ^2/NDF:25.8/25

All: -529.883+/-654.034 χ^2/NDF: 42.6/46

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2761.911+/-0.890 χ^2/NDF:993241.5/6

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

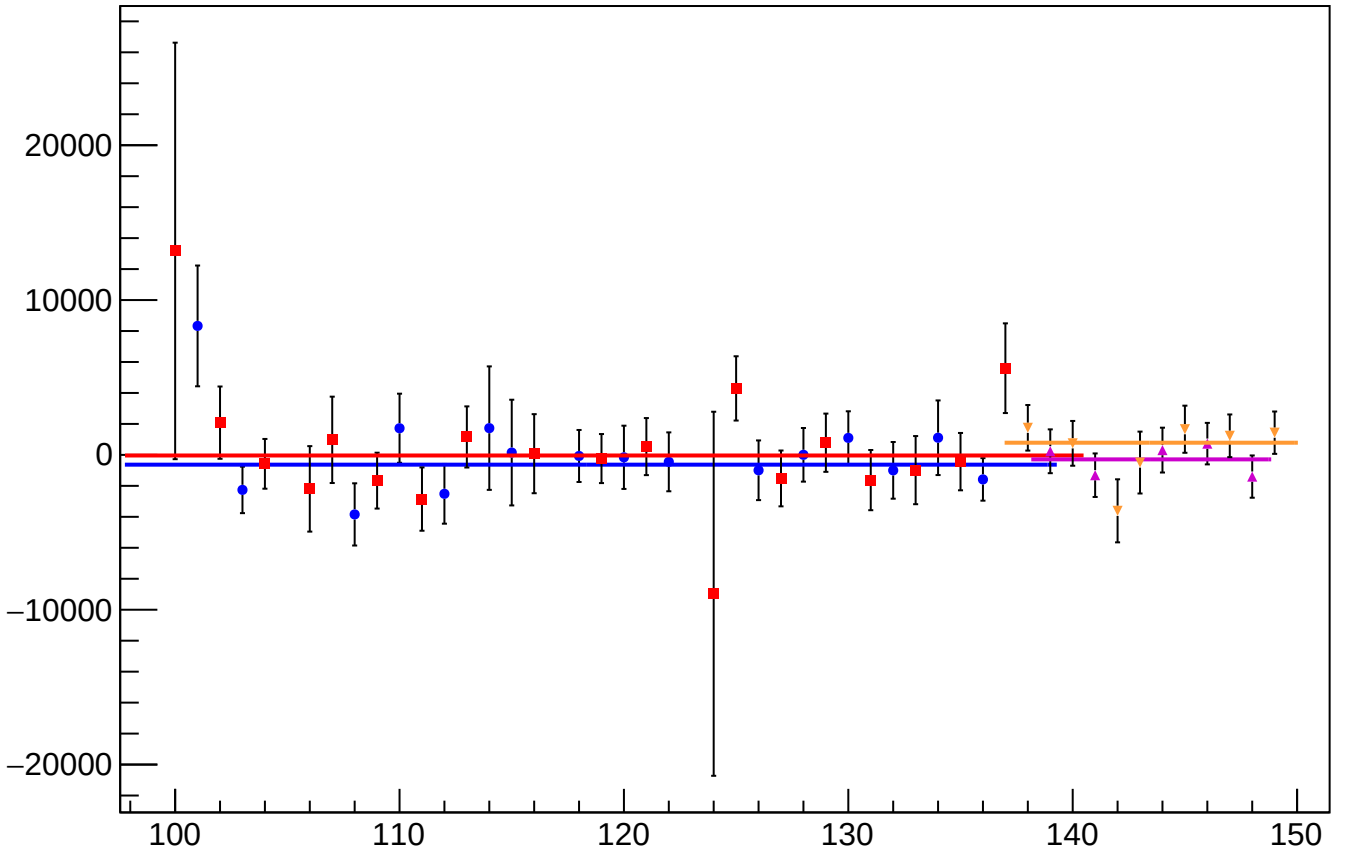
Left: 3057.609+/-0.722 χ^2/NDF: 1391819.3/11

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3551.174+/-0.747 χ^2/NDF:435659.9/20

Out: 2810.214+/-0.589 χ^2/NDF:2497851.8/25

All: 3094.465+/-0.462 χ^2/NDF: 3540488.6/46



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

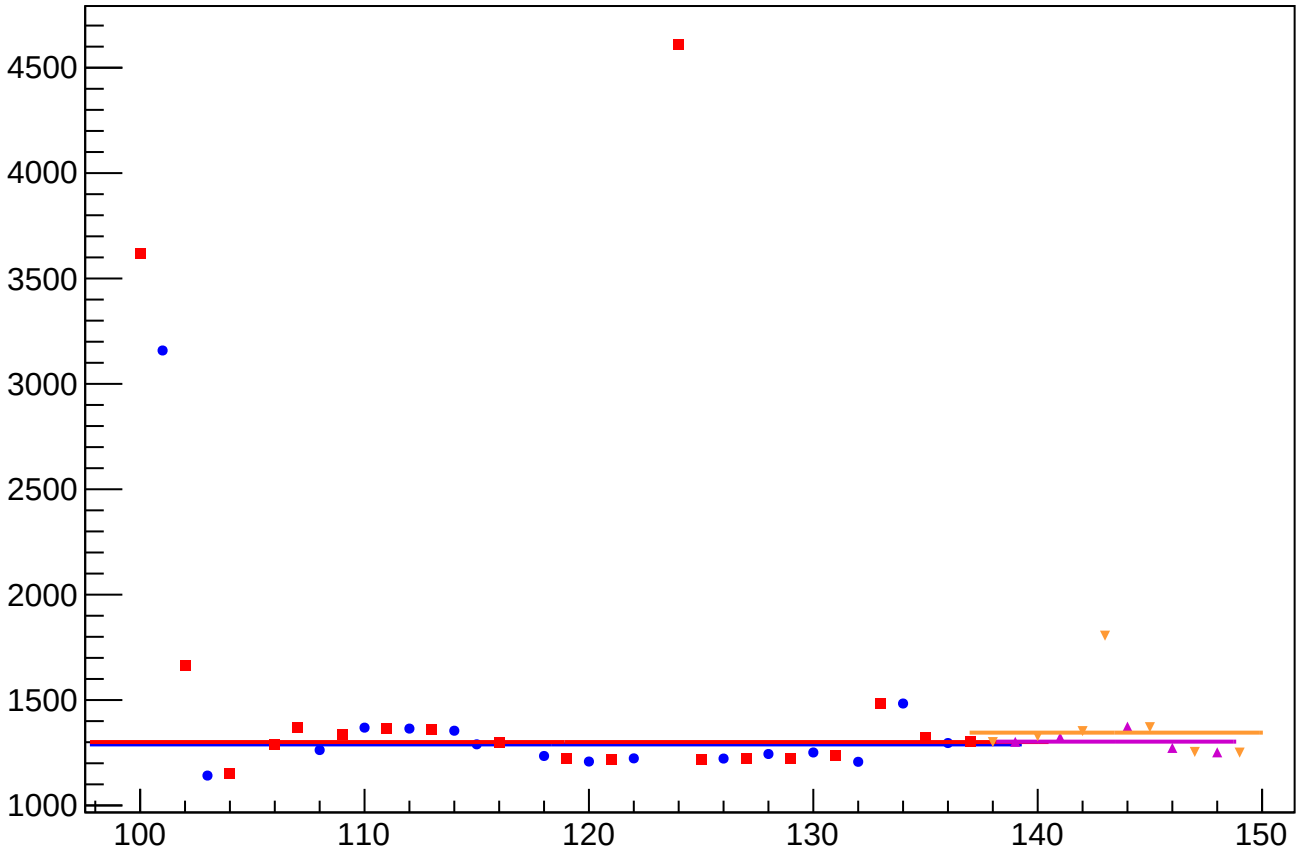
Left: 282.337+/-426.417 χ^2/NDF: 9.8/11

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 300.165+/-374.721 χ^2/NDF:23.7/25

All: -90.288+/-268.365 χ^2/NDF: 42.0/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

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: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

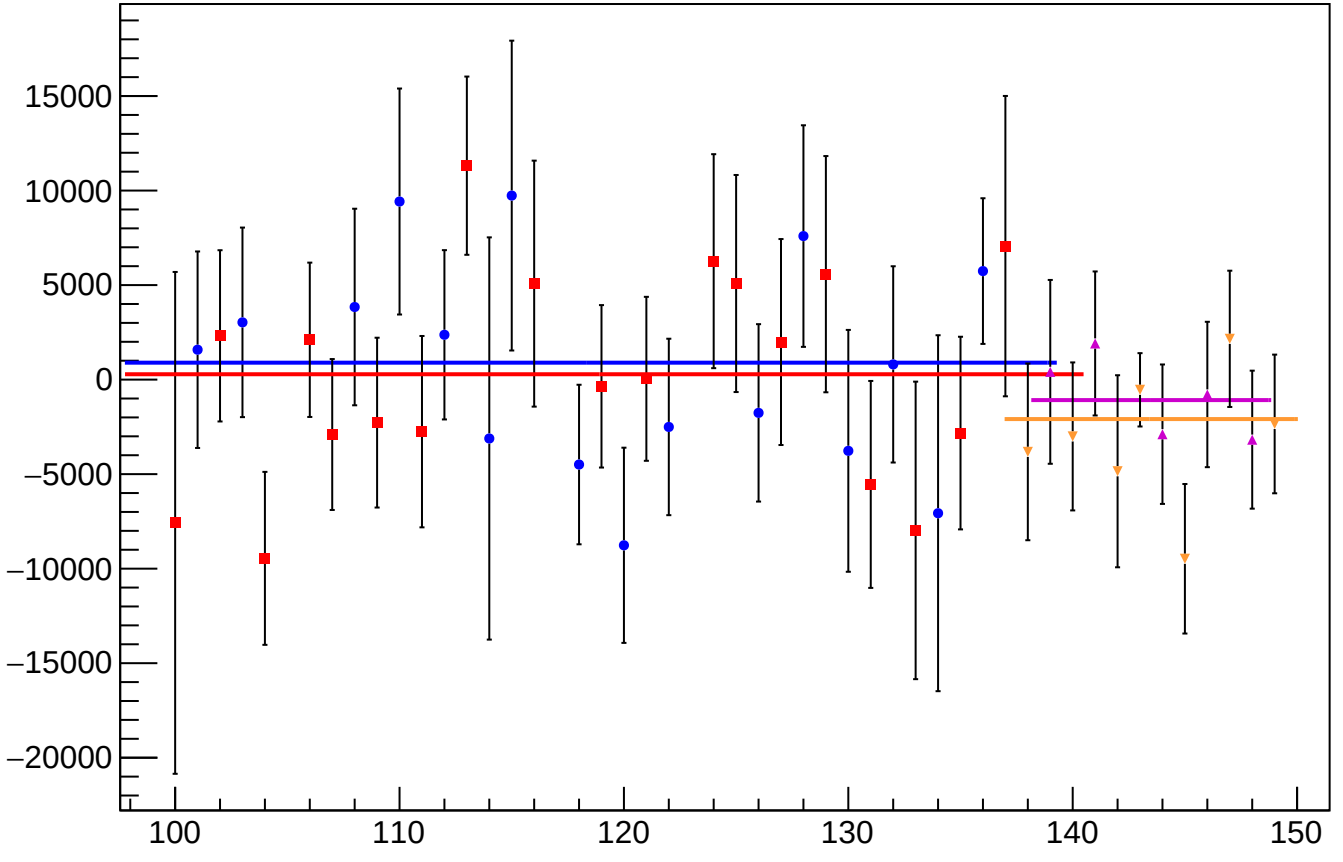
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1318.996+/-0.265 χ^2/NDF:459950.8/25

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

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: -2087.137+/-1258.998 χ^2/NDF:6.0/6

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: -1744.203+/-1021.499 χ^2/NDF: 7.5/11

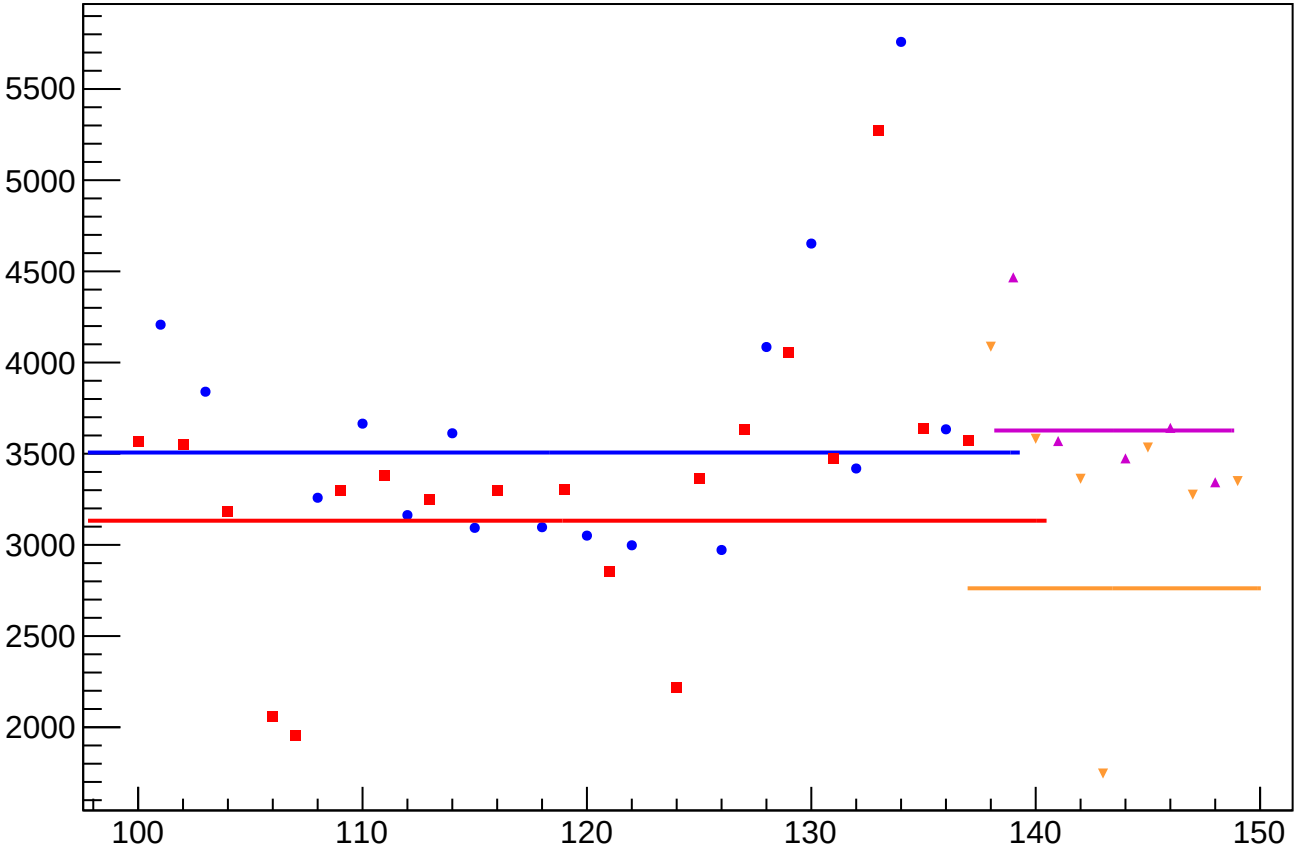
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 173.527+/-1055.727 χ^2/NDF:16.2/20

Out: -828.039+/-862.189 χ^2/NDF:26.5/25

All: -427.305+/-667.790 χ^2/NDF: 43.2/46

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

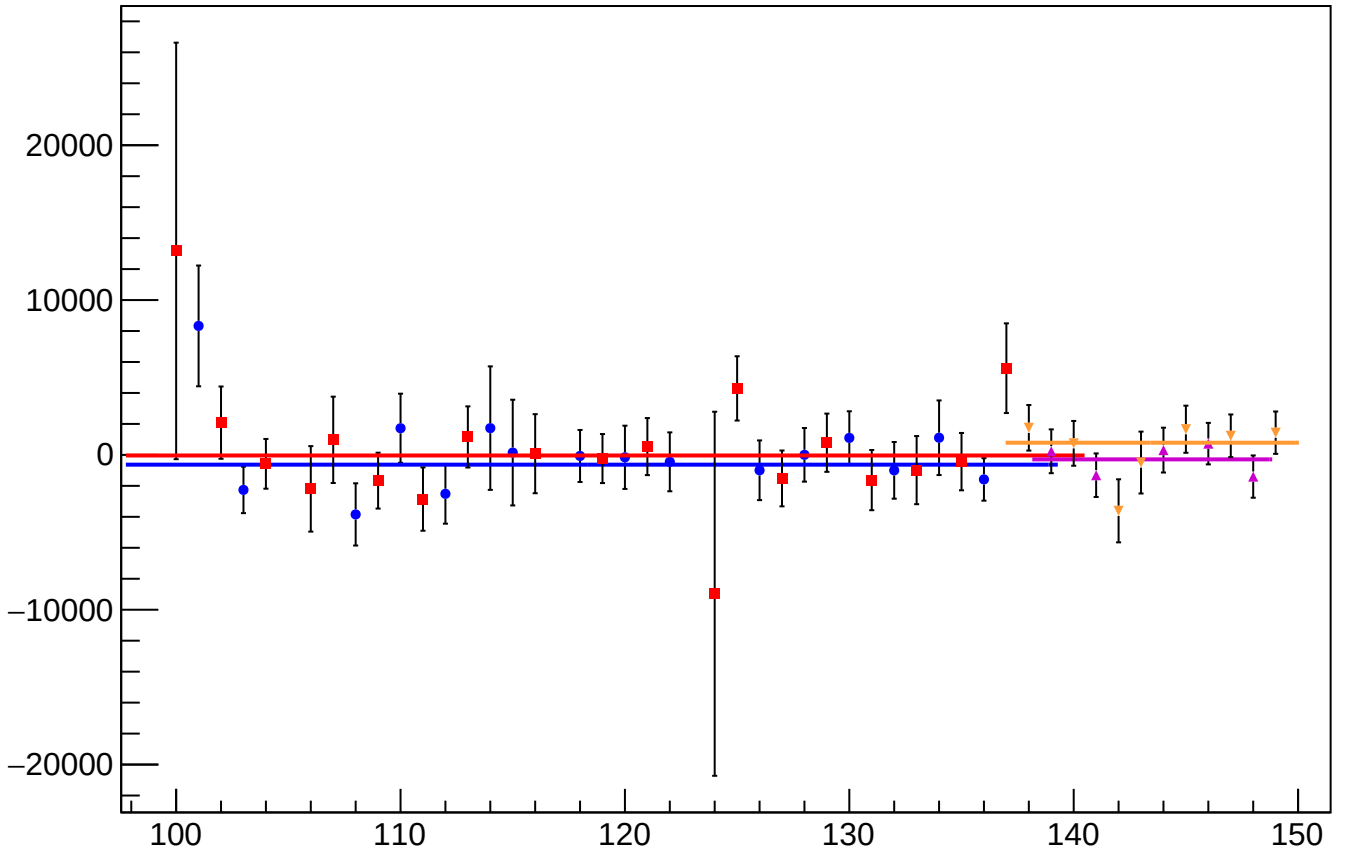
Left: 3057.600+/-0.722 χ^2/NDF: 1391840.0/11

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2958.741+/-0.610 χ^2/NDF:1734934.2/25

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

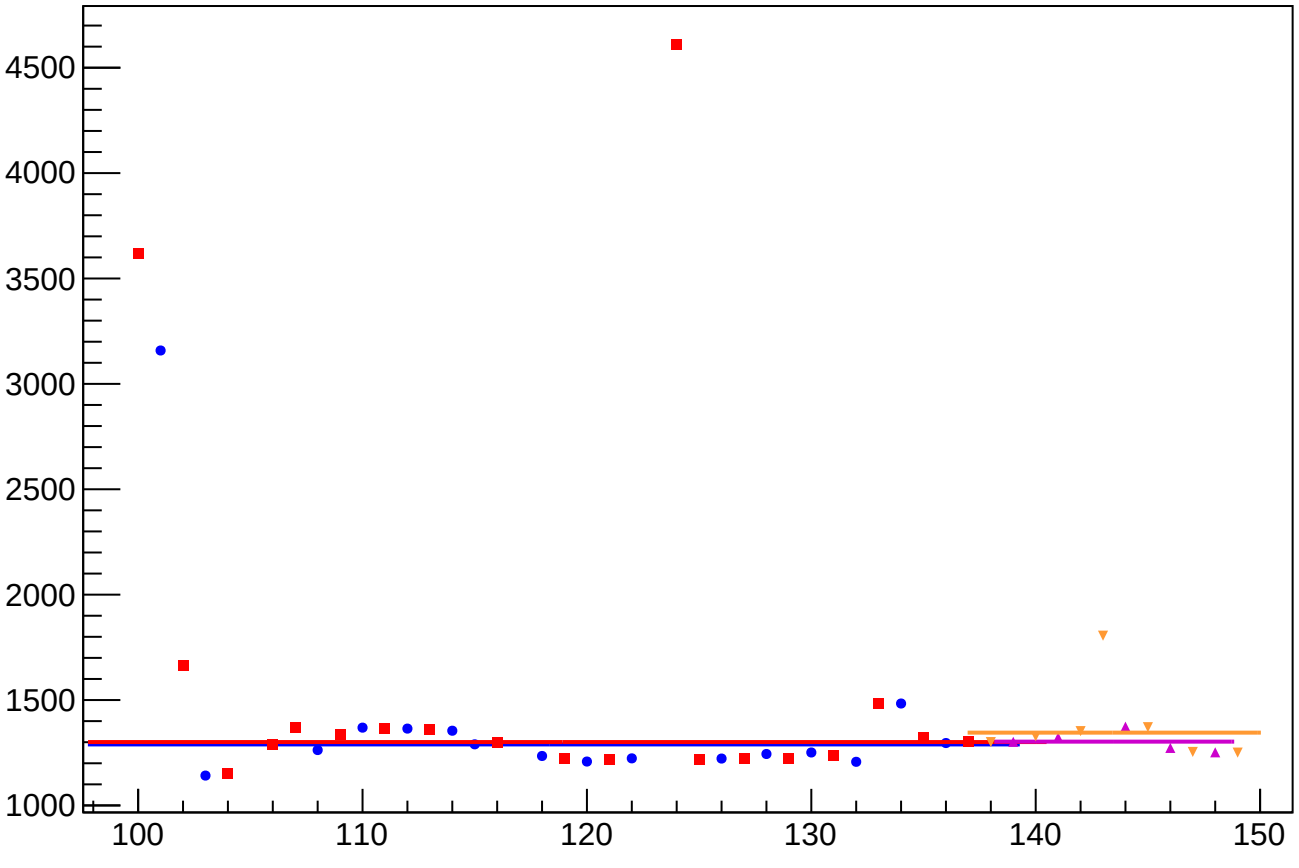
Left: 282.337+/-426.417 χ^2/NDF: 9.8/11

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 300.165+/-374.721 χ^2/NDF:23.7/25

All: -90.288+/-268.365 χ^2/NDF: 42.0/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

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: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

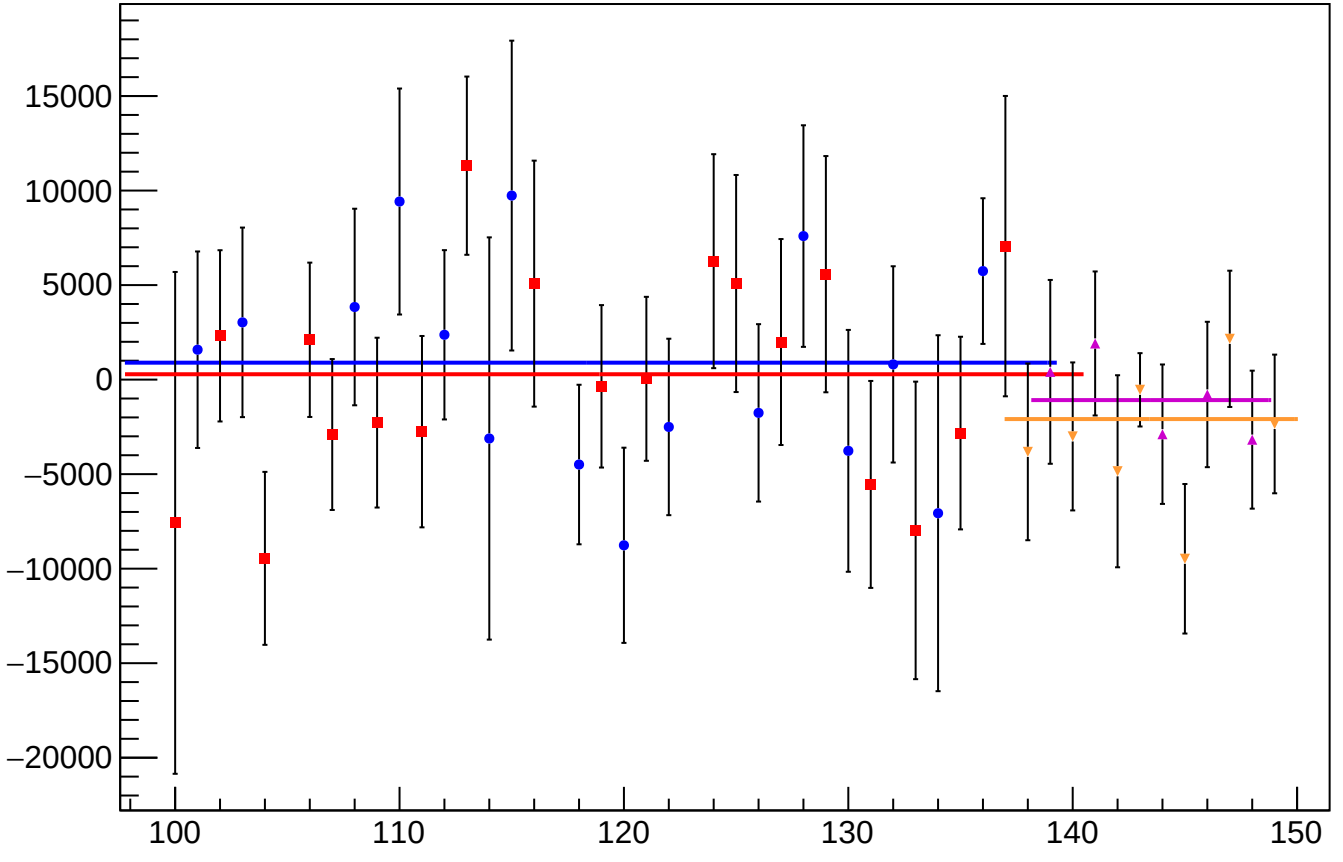
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1318.996+/-0.265 χ^2/NDF:459950.8/25

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2087.137+/-1258.998 χ^2/NDF:6.0/6

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1083.517+/-1747.501 χ^2/NDF:1.3/4

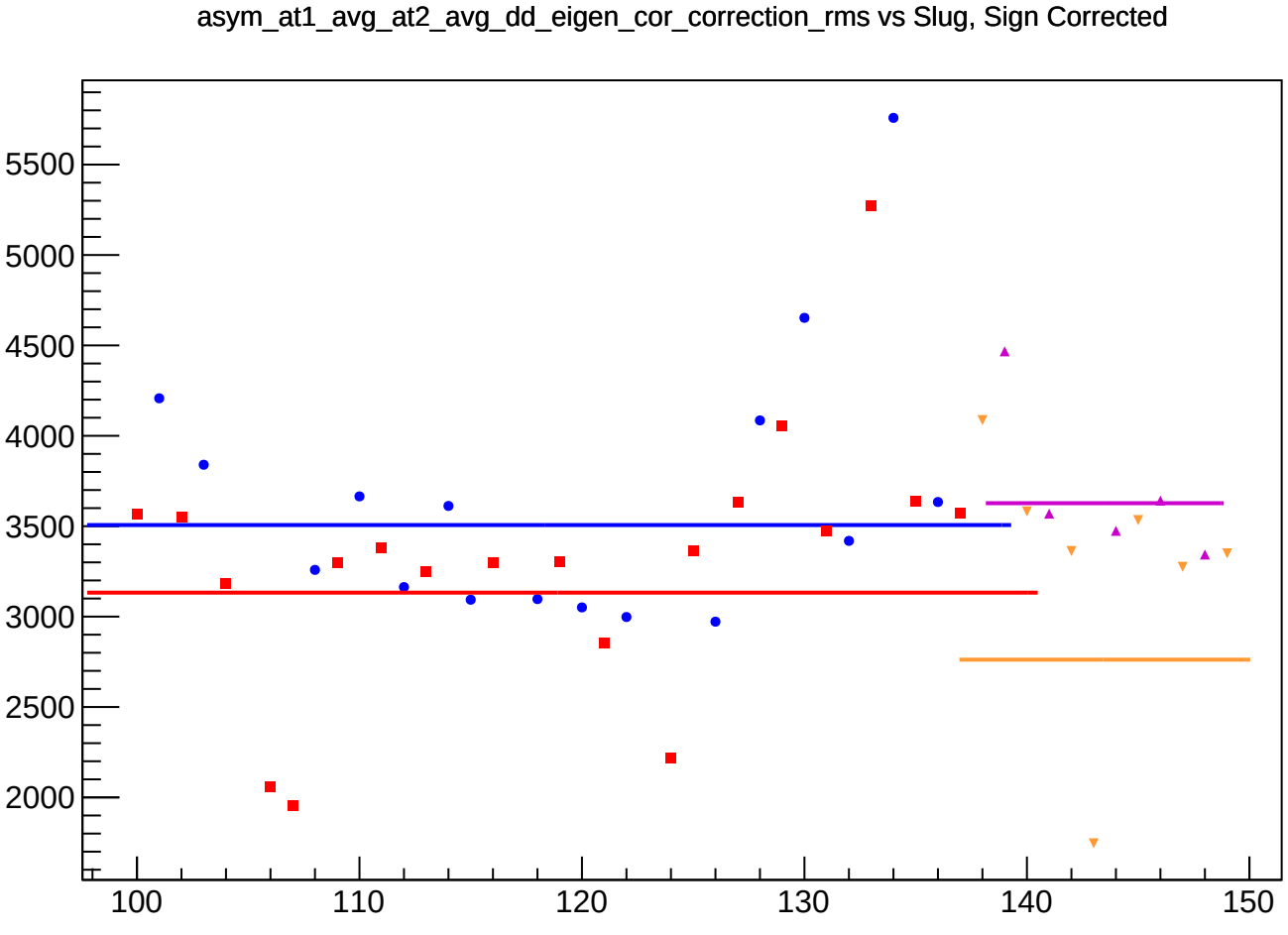
Left: -1744.203+/-1021.499 χ^2/NDF: 7.5/11

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 173.527+/-1055.727 χ^2/NDF:16.2/20

Out: -828.039+/-862.189 χ^2/NDF:26.5/25

All: -427.305+/-667.790 χ^2/NDF: 43.2/46



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

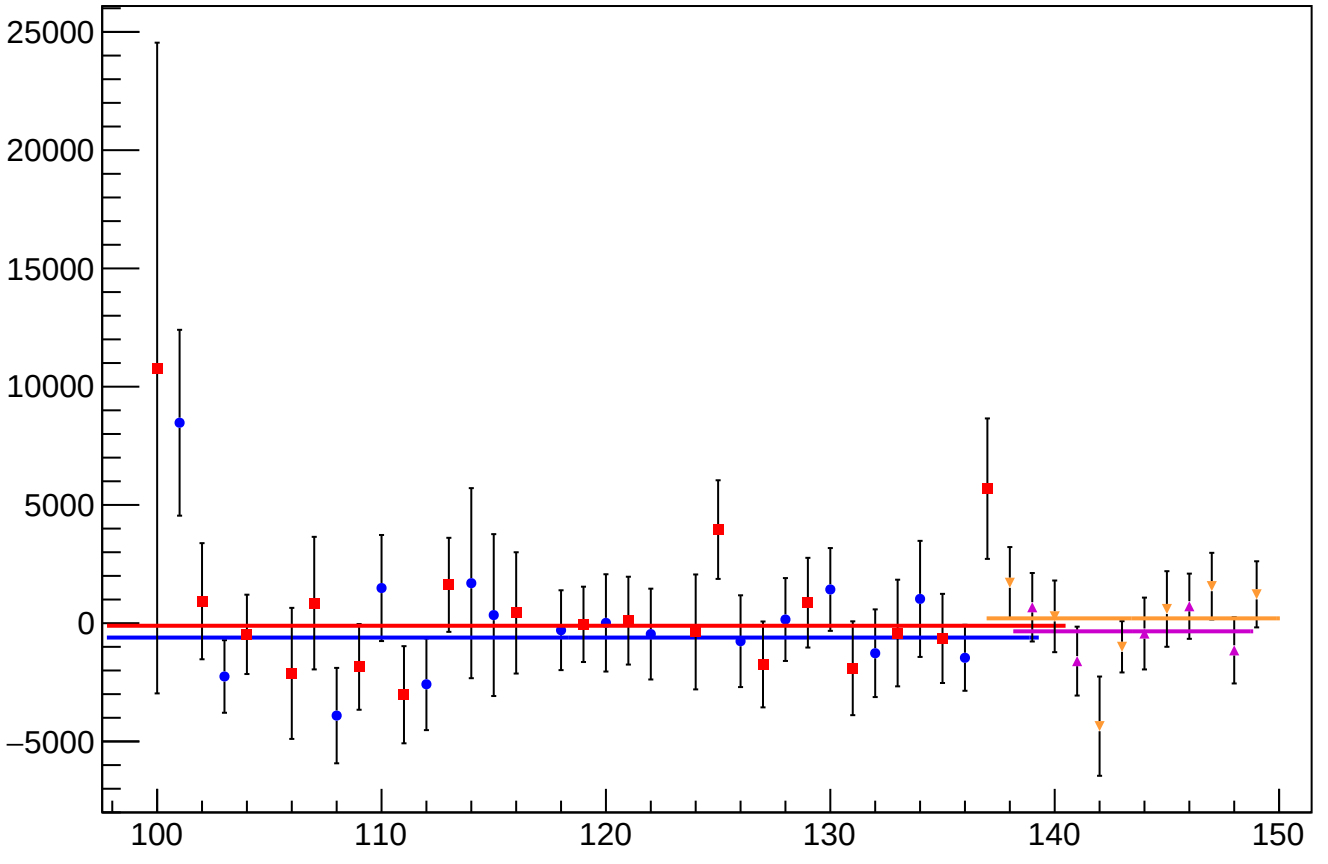
Left: 3057.600+/-0.722 χ^2/NDF: 1391840.0/11

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2958.741+/-0.610 χ^2/NDF:1734934.2/25

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.117+/-545.569 χ^2/NDF:8.5/6

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -344.307+/-643.028 χ^2/NDF:2.2/4

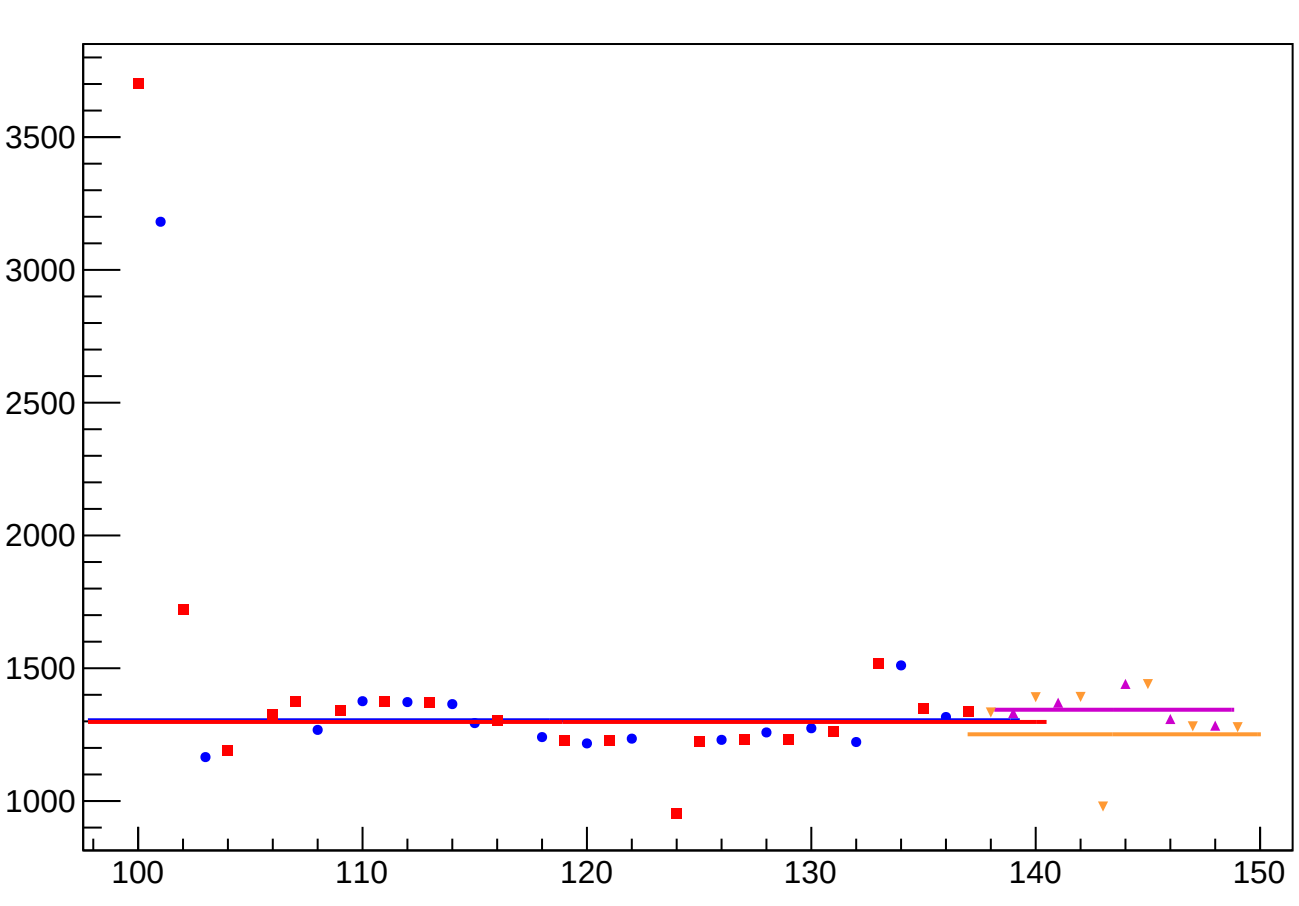
Left: -25.427+/-416.011 χ^2/NDF: 11.1/11

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -509.980+/-391.834 χ^2/NDF:16.4/20

Out: 29.610+/-362.708 χ^2/NDF:23.5/25

All: -219.386+/-266.175 χ^2/NDF: 40.9/46



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1251.266+/-0.386 χ^2/NDF:187430.1/6

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

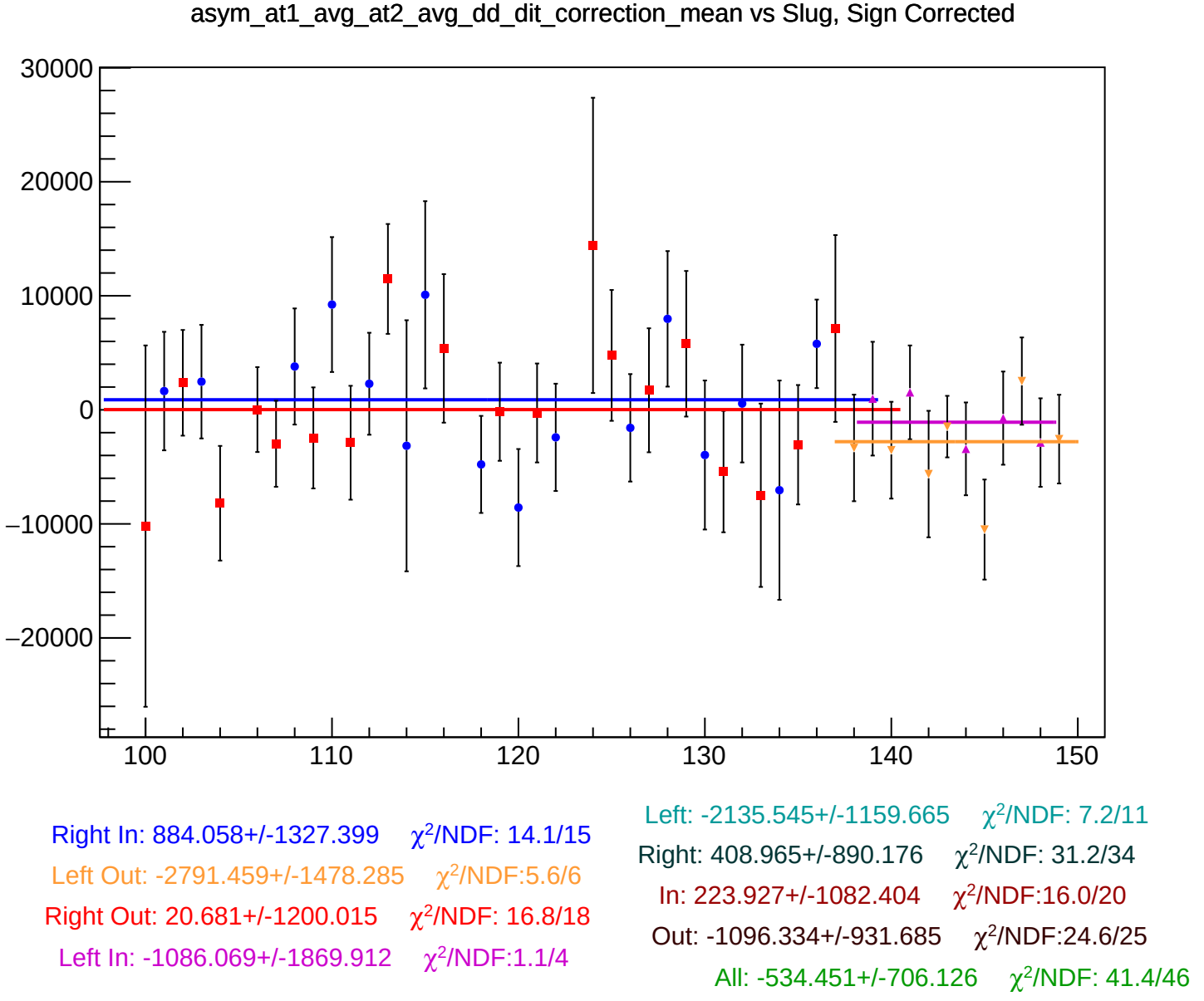
Left: 1289.974+/-0.294 χ^2/NDF: 225443.2/11

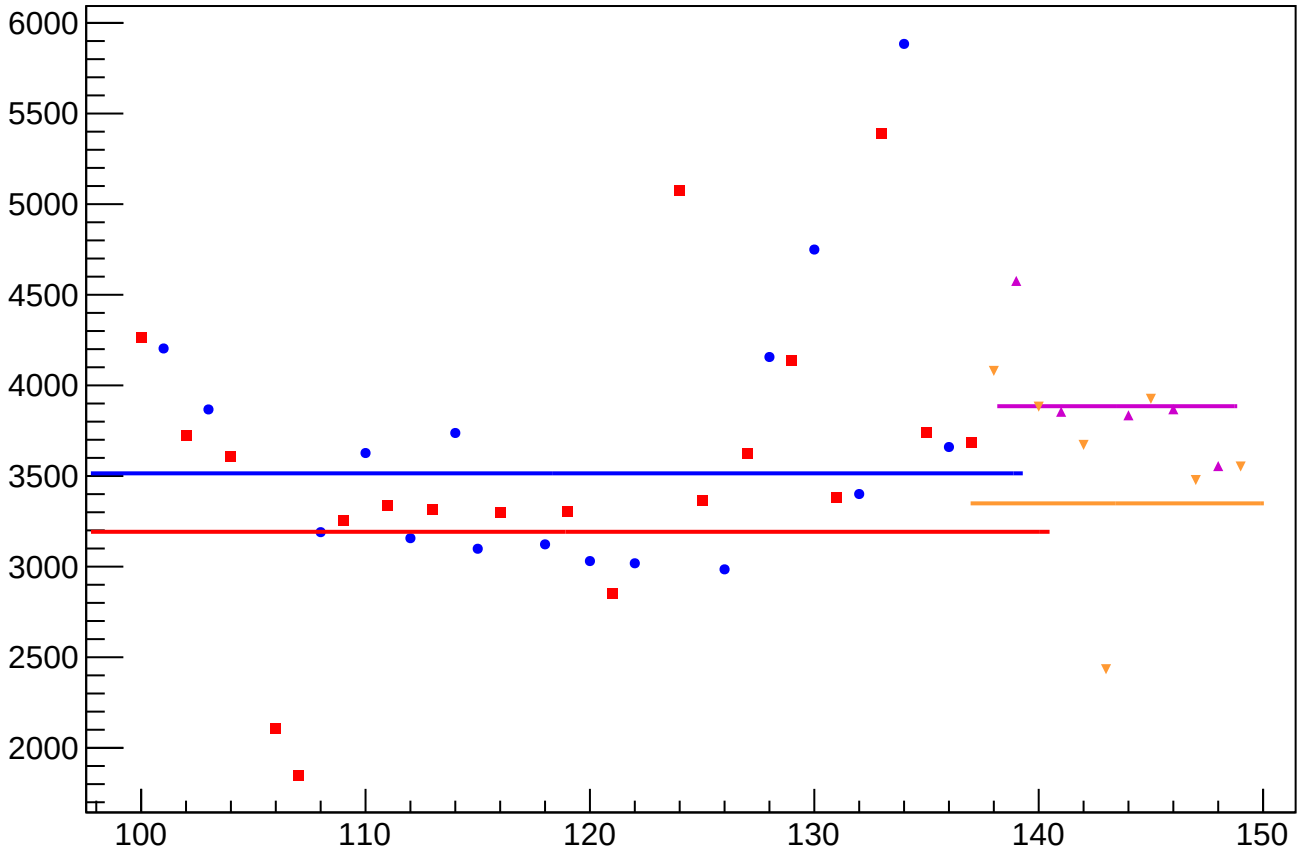
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

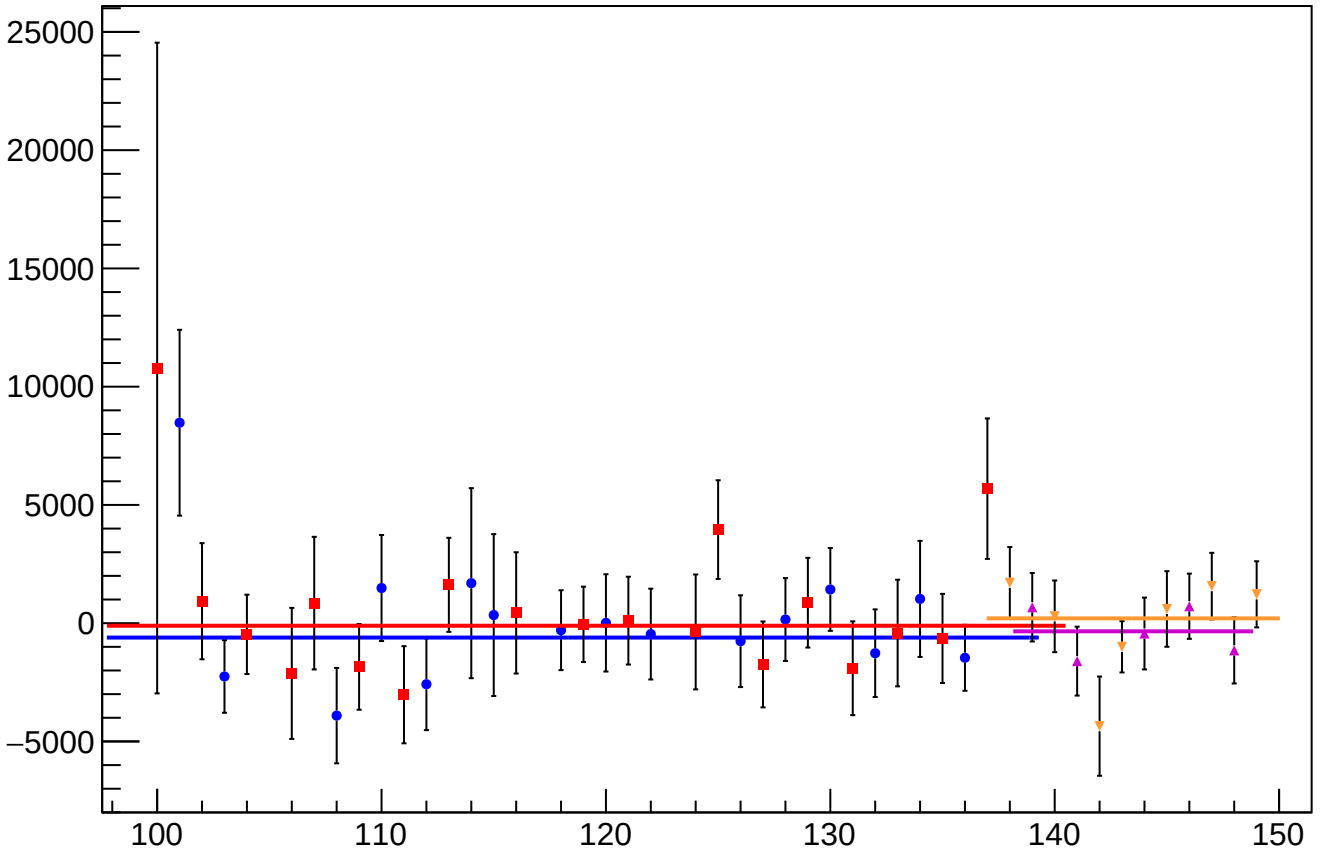
In: 1318.823+/-0.277 χ^2/NDF:529327.6/20

Out: 1277.247+/-0.256 χ^2/NDF:408650.2/25

All: 1296.424+/-0.188 χ^2/NDF: 950109.0/46


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -2791.459+/-1478.285 χ²/NDF:5.6/6
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1086.069+/-1869.912 χ²/NDF:1.1/4
Left: -2135.545+/-1159.665 χ²/NDF: 7.2/11
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 223.927+/-1082.404 χ²/NDF:16.0/20
Out: -1096.334+/-931.685 χ²/NDF:24.6/25
All: -534.451+/-706.126 χ²/NDF: 41.4/46


asym_at1_avg_at2_avg_dd_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: 3349.085+/-1.045 χ²/NDF:359788.3/6
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 3885.199+/-1.322 χ²/NDF:53360.0/4
Left: 3555.281+/-0.820 χ²/NDF: 514317.9/11
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3638.874+/-0.765 χ²/NDF:480633.7/20
Out: 3254.519+/-0.659 χ²/NDF:1145861.6/25
All: 3418.094+/-0.499 χ²/NDF: 1771353.2/46



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.113+/-545.569 χ^2/NDF:8.5/6

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -344.306+/-643.029 χ^2/NDF:2.2/4

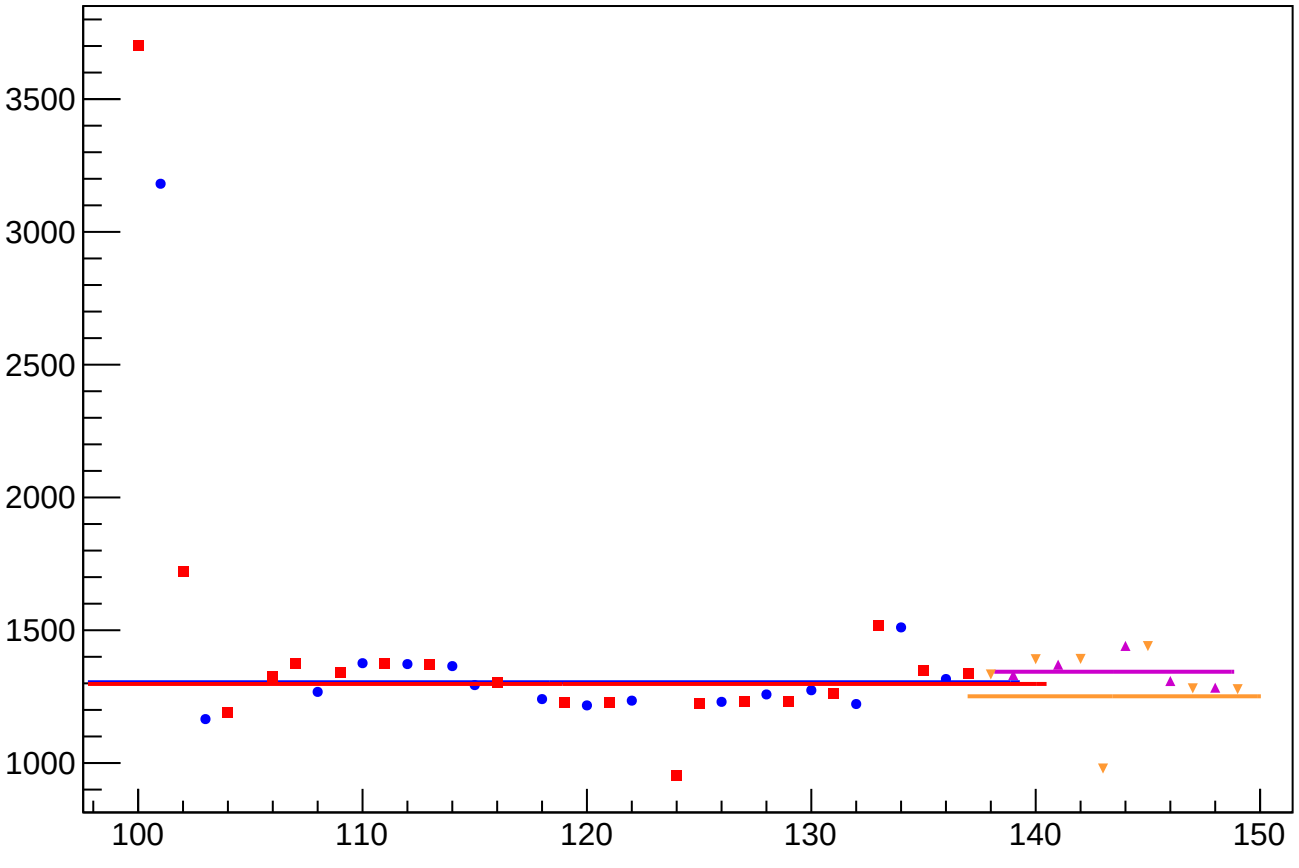
Left: -25.429+/-416.011 χ^2/NDF: 11.1/11

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -509.982+/-391.835 χ^2/NDF:16.4/20

Out: 29.606+/-362.708 χ^2/NDF:23.5/25

All: -219.390+/-266.175 χ^2/NDF: 40.9/46



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1251.267+/-0.386 χ^2/NDF:187430.4/6

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

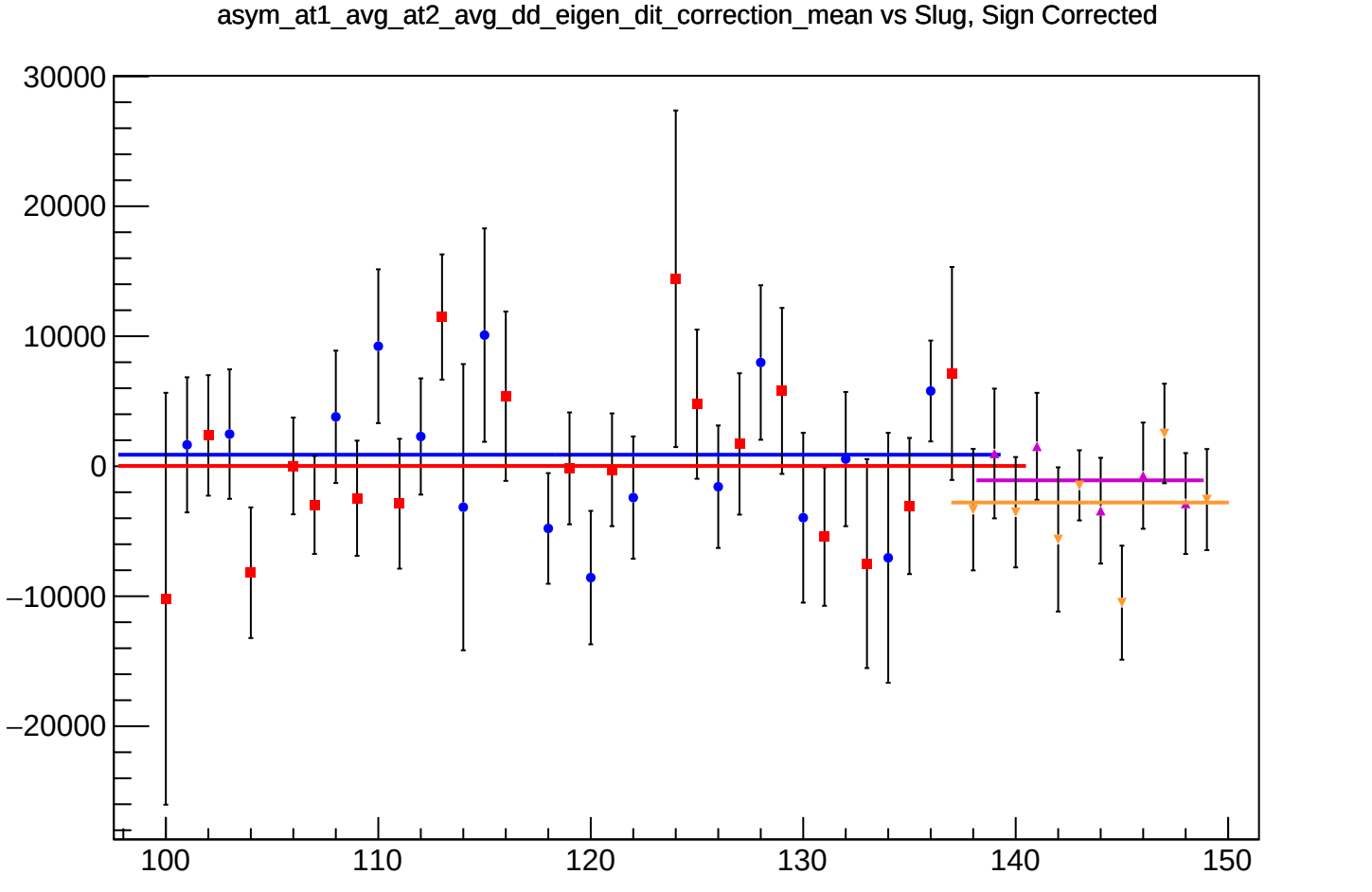
Left: 1289.975+/-0.294 χ^2/NDF: 225443.6/11

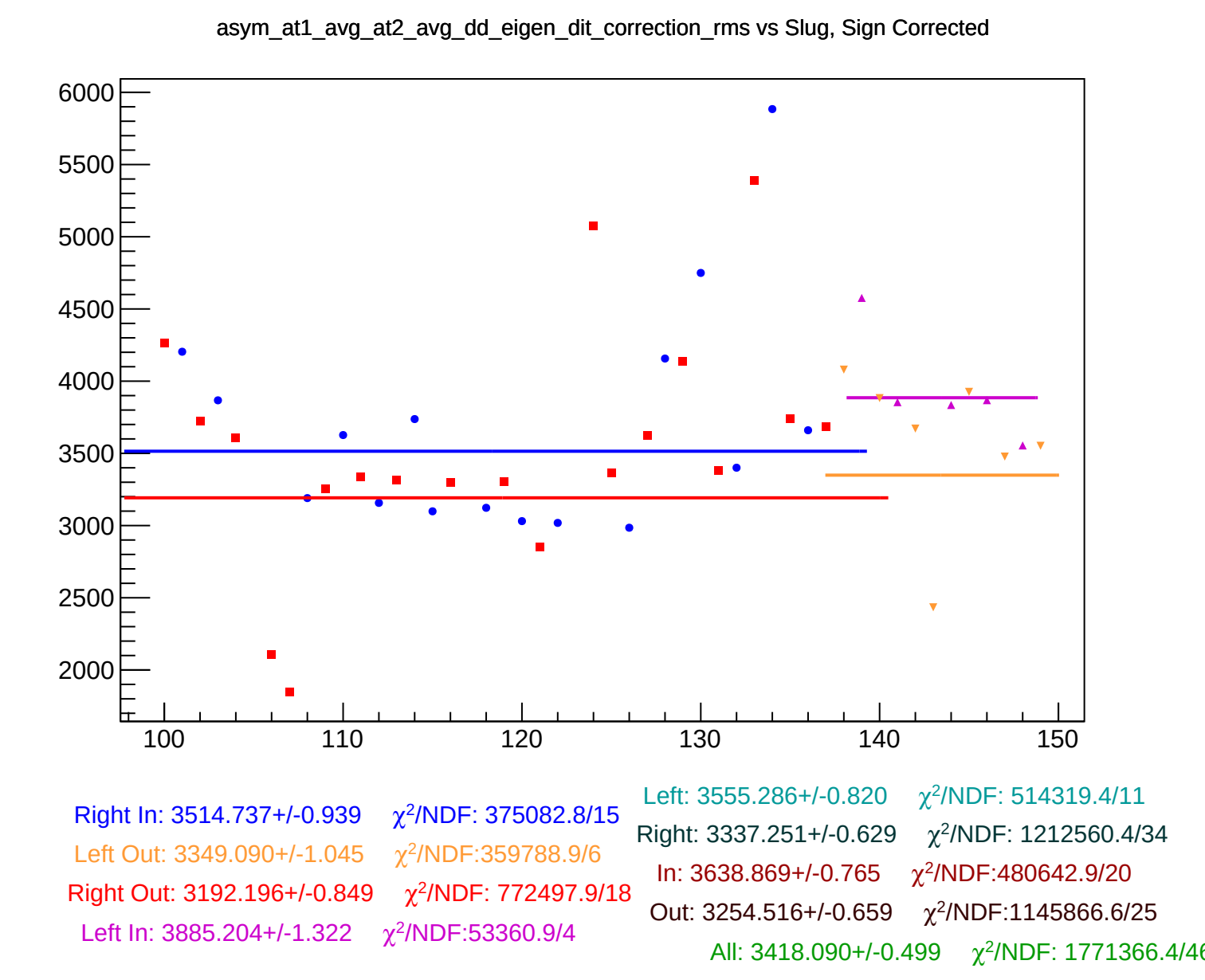
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

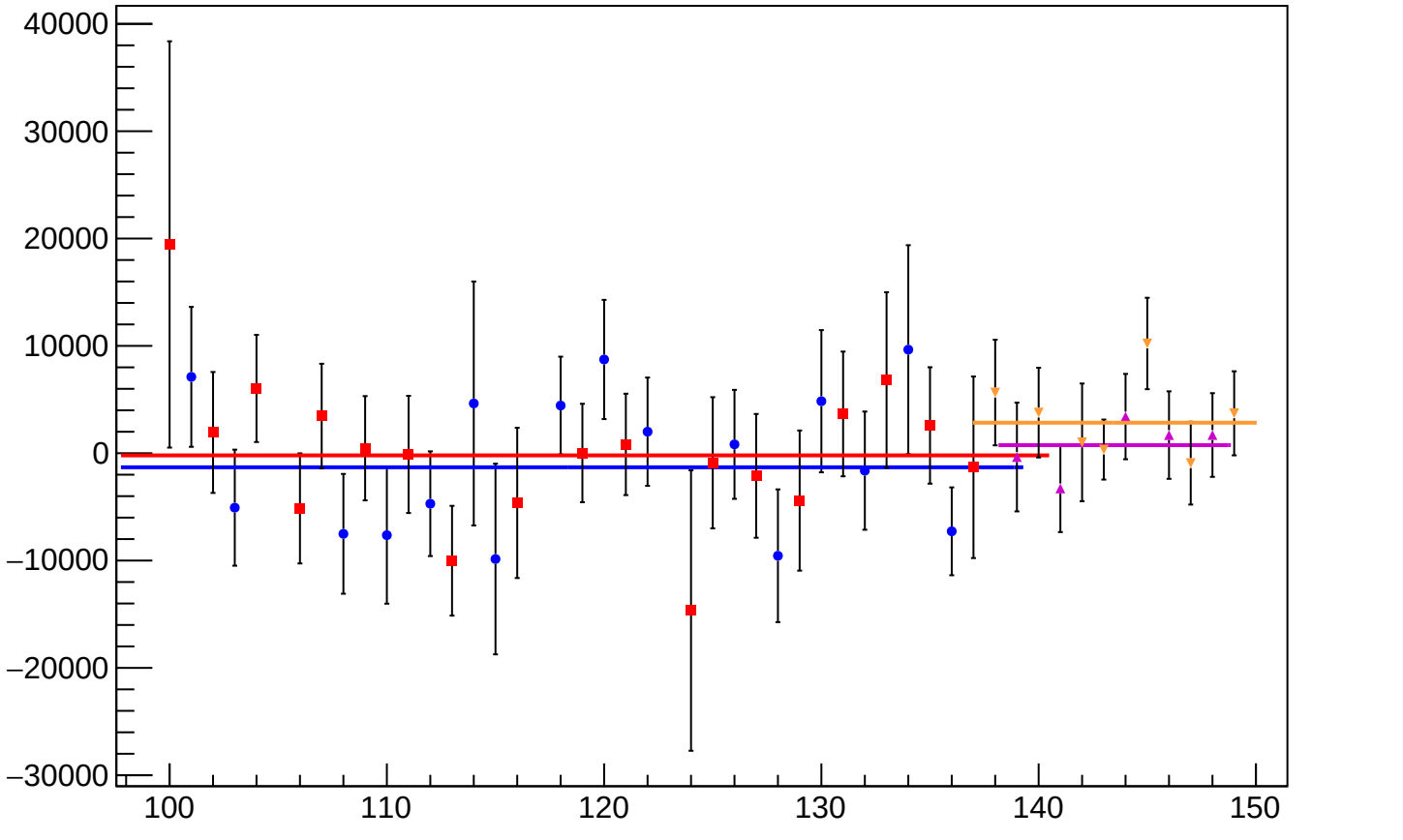
In: 1318.824+/-0.277 χ^2/NDF:529328.1/20

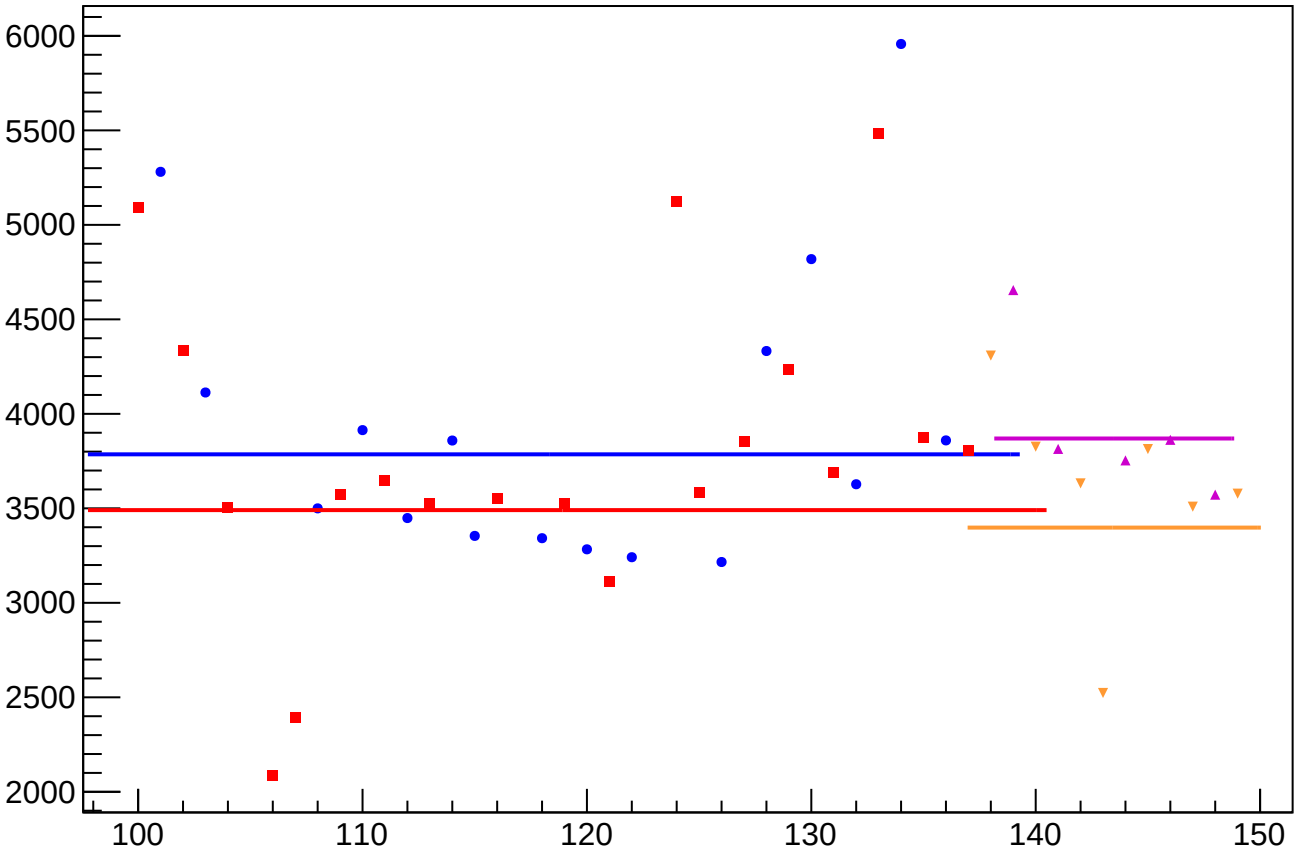
Out: 1277.247+/-0.256 χ^2/NDF:408650.2/25

All: 1296.425+/-0.188 χ^2/NDF: 950109.5/46


asym_at1_avg_at2_avg_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: -2791.459+/-1478.287 χ²/NDF:5.6/6
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1086.066+/-1869.915 χ²/NDF:1.1/4
Left: -2135.545+/-1159.667 χ²/NDF: 7.2/11
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 223.924+/-1082.402 χ²/NDF:16.0/20
Out: -1096.331+/-931.684 χ²/NDF:24.6/25
All: -534.451+/-706.125 χ²/NDF: 41.4/46


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3349.090+/-1.045 χ²/NDF:359788.9/6
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3885.204+/-1.322 χ²/NDF:53360.9/4
Left: 3555.286+/-0.820 χ²/NDF: 514319.4/11
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3638.869+/-0.765 χ²/NDF:480642.9/20
Out: 3254.516+/-0.659 χ²/NDF:1145866.6/25
All: 3418.090+/-0.499 χ²/NDF: 1771366.4/46


asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 2842.696+/-1495.106 χ²/NDF:5.3/6
Right Out: -201.593+/-1336.062 χ²/NDF: 11.6/18
Left In: 751.876+/-1861.261 χ²/NDF:1.6/4
Left: 2022.697+/-1165.616 χ²/NDF: 7.7/11
Right: -717.269+/-976.776 χ²/NDF: 29.5/34
In: -543.172+/-1134.773 χ²/NDF:19.9/20
Out: 1150.074+/-996.239 χ²/NDF:19.2/25
All: 413.063+/-748.662 χ²/NDF: 40.4/46



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3398.087+/-1.057 χ^2/NDF:314083.3/6

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

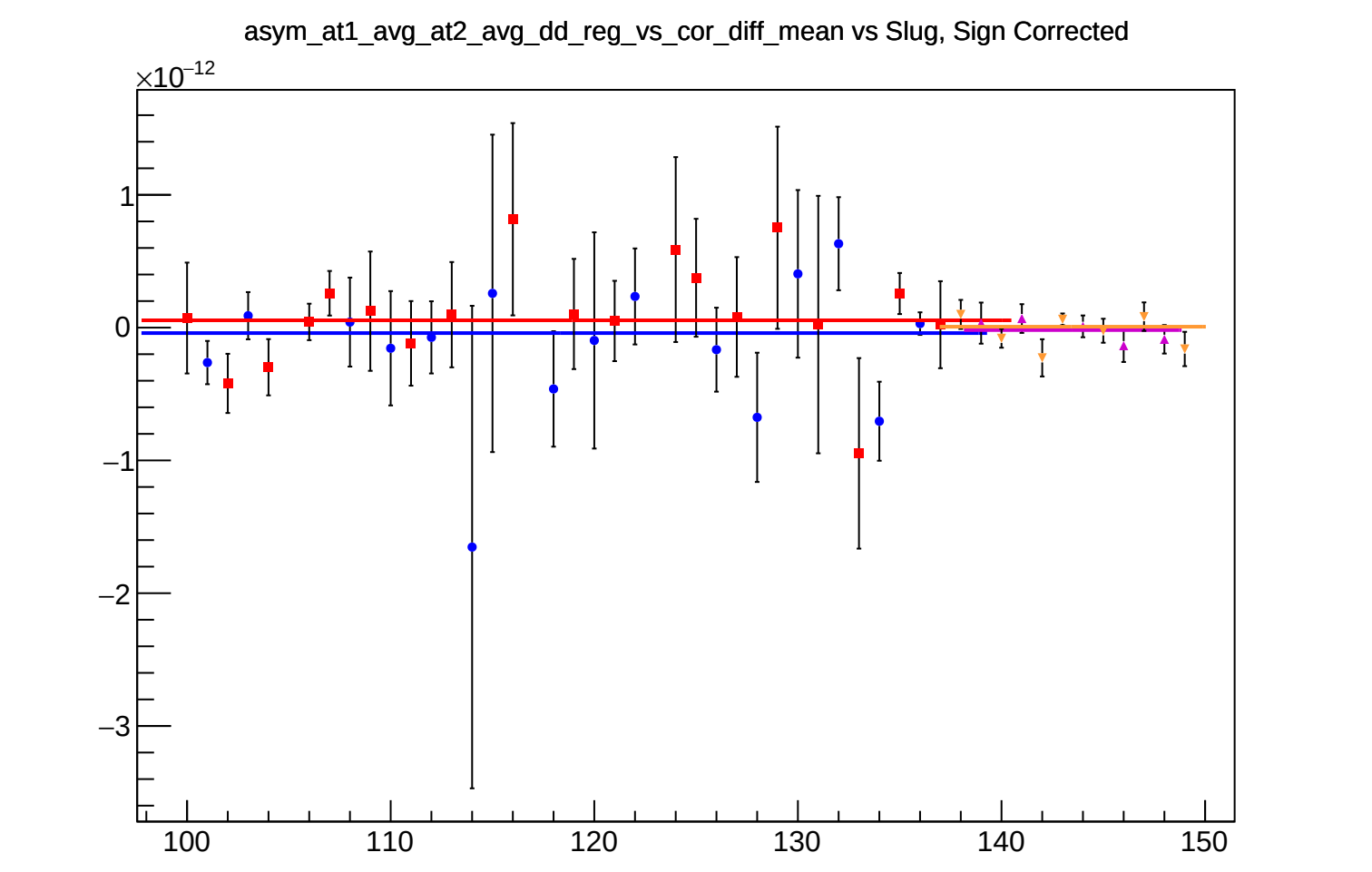
Left: 3582.983+/-0.824 χ^2/NDF: 453846.0/11

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3816.906+/-0.802 χ^2/NDF:447309.8/20

Out: 3450.158+/-0.699 χ^2/NDF:905109.0/25

All: 3608.409+/-0.527 χ^2/NDF: 1471183.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/4

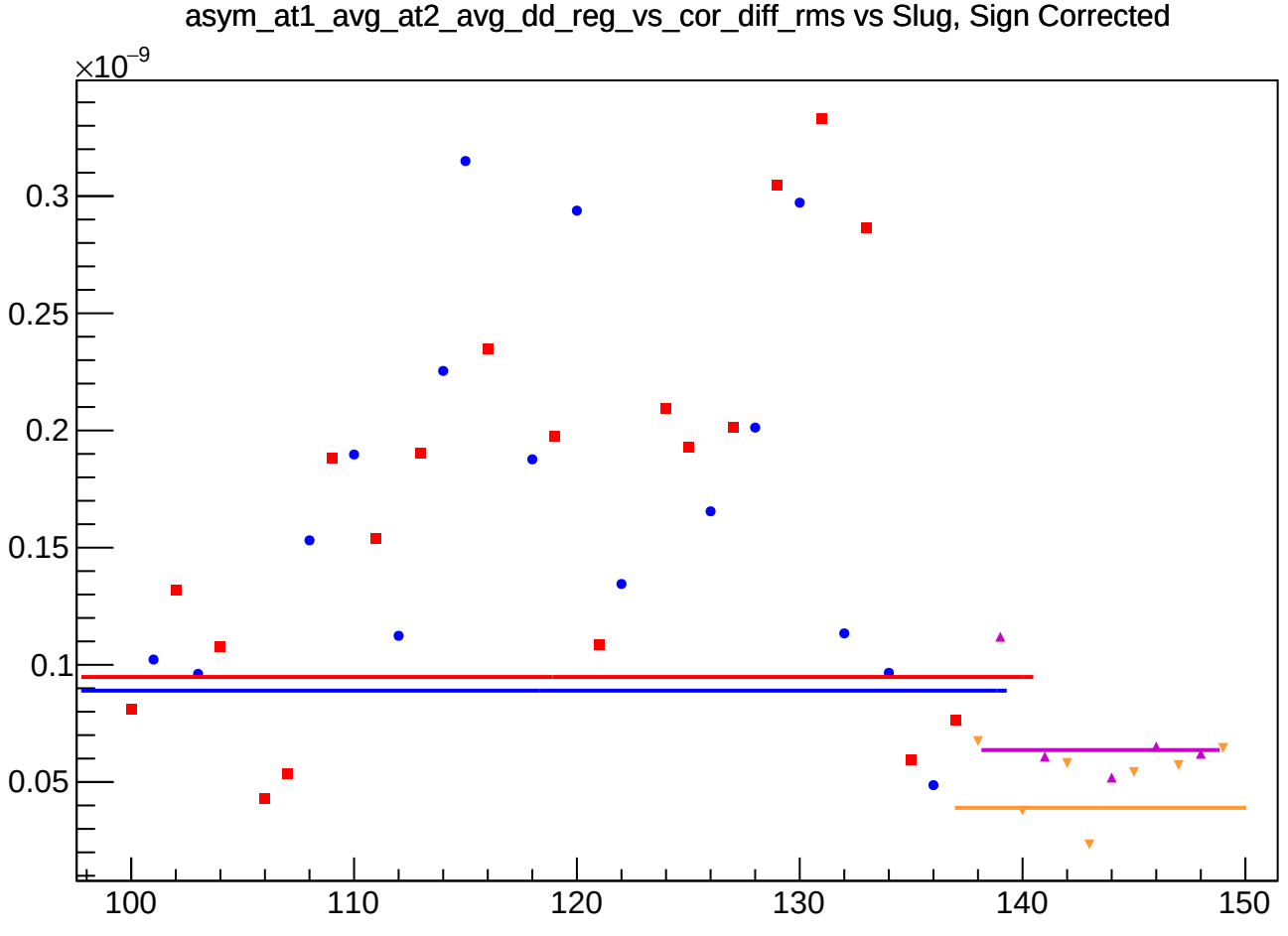
Left: -0.000+/-0.000 χ^2/NDF: 11.3/11

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:25.3/25

All: 0.000+/-0.000 χ^2/NDF: 45.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:618005.8/6

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: 1233032.1/11

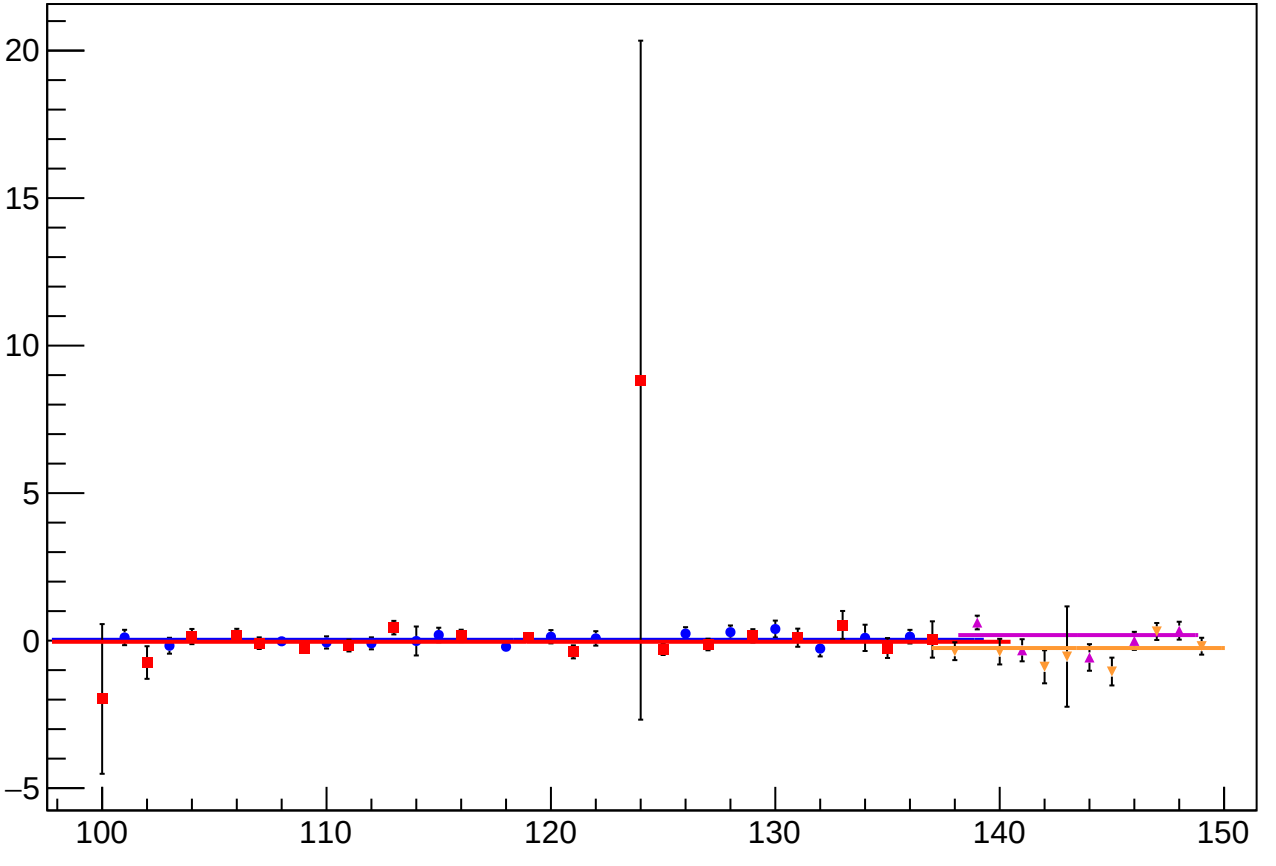
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1920085.4/20

Out: 0.000+/-0.000 χ^2/NDF:3602876.2/25

All: 0.000+/-0.000 χ^2/NDF: 6101862.4/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

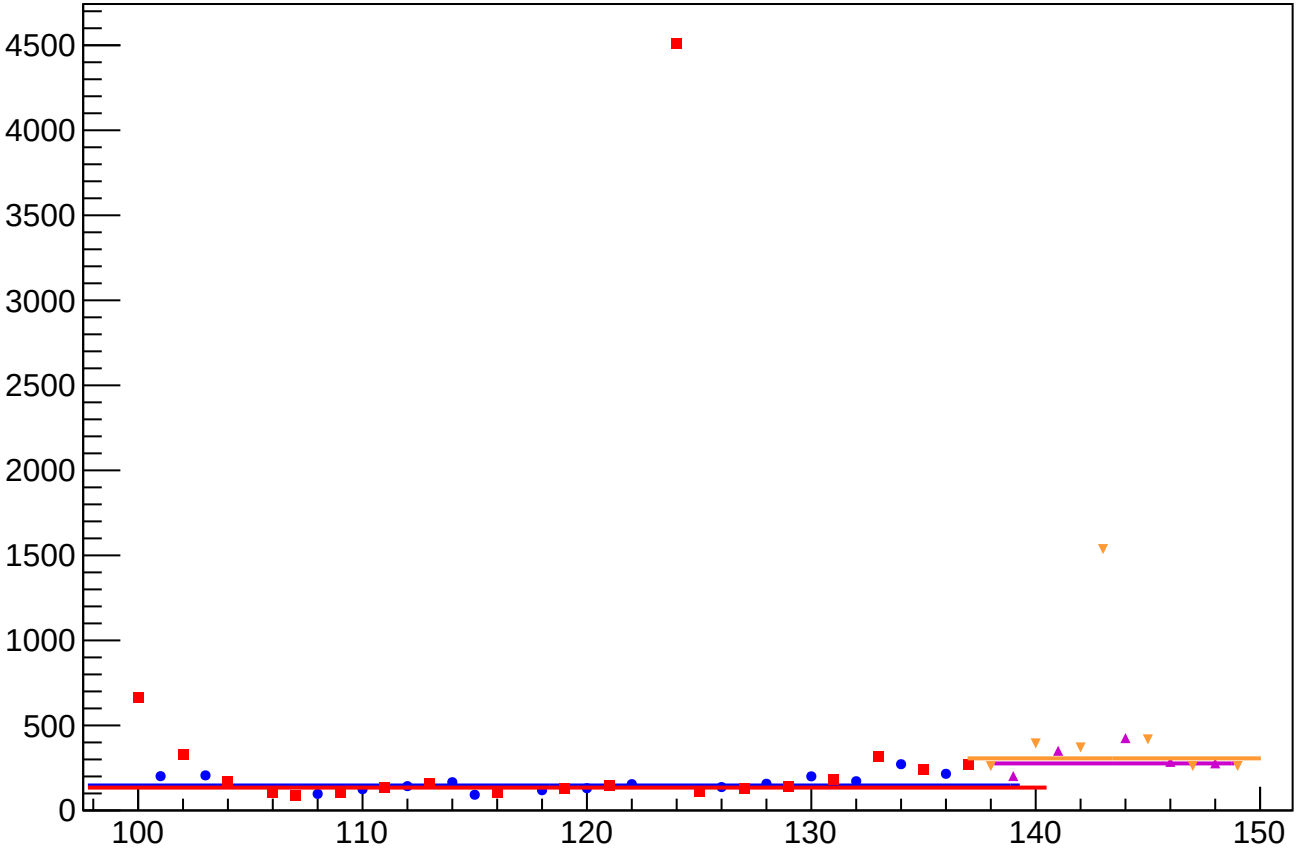
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

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: 290.974+/-0.070 χ^2/NDF: 1958256.3/11

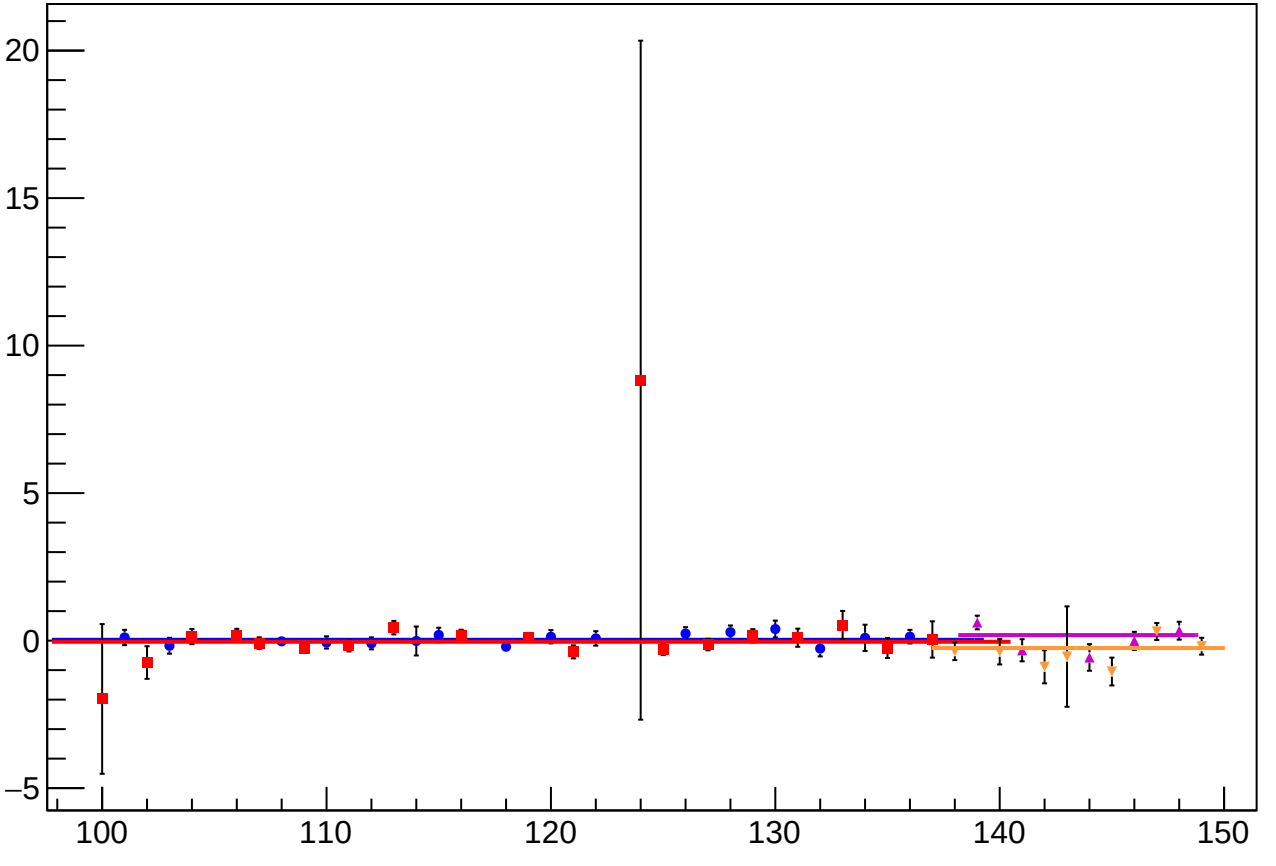
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 156.362+/-0.036 χ^2/NDF:5521893.5/25

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

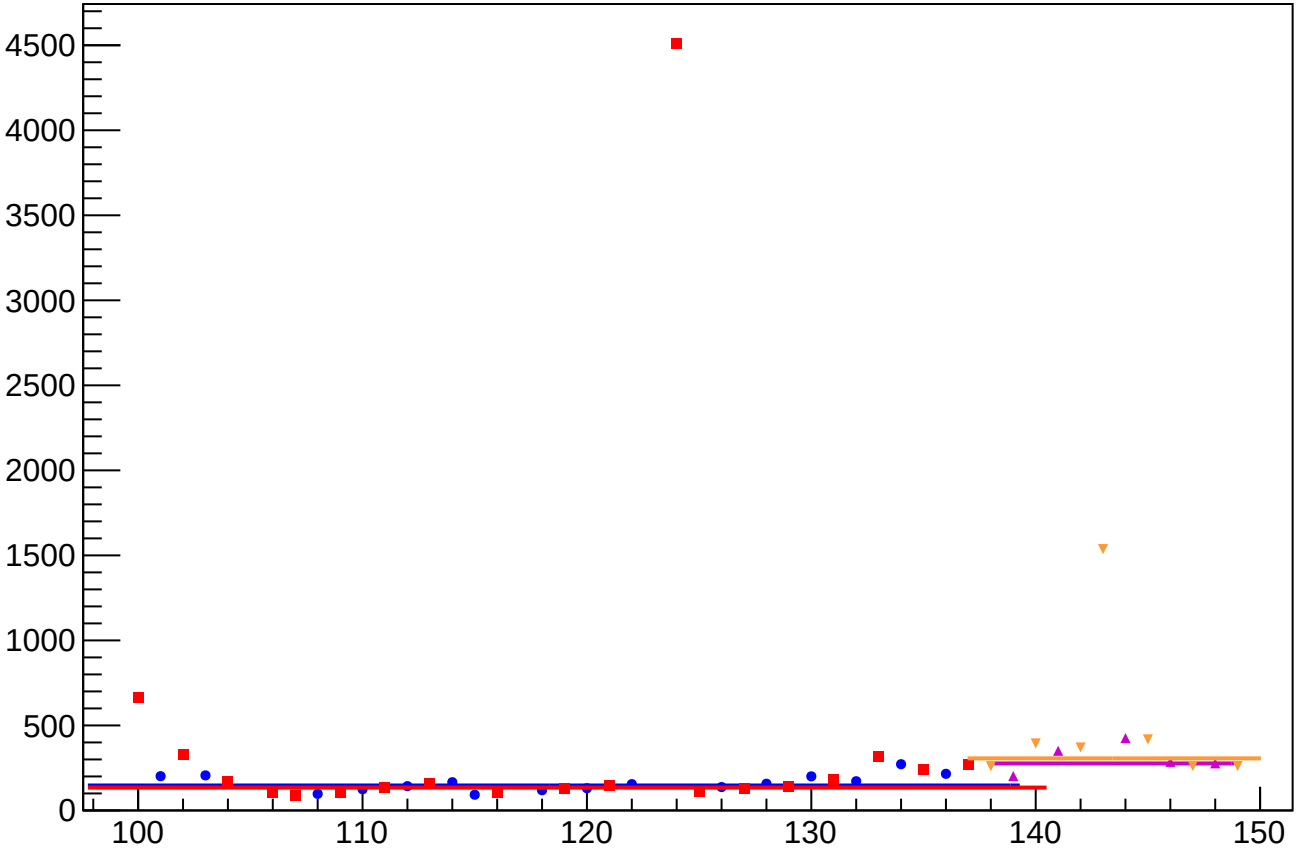
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

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: 290.974+/-0.070 χ^2/NDF: 1958256.3/11

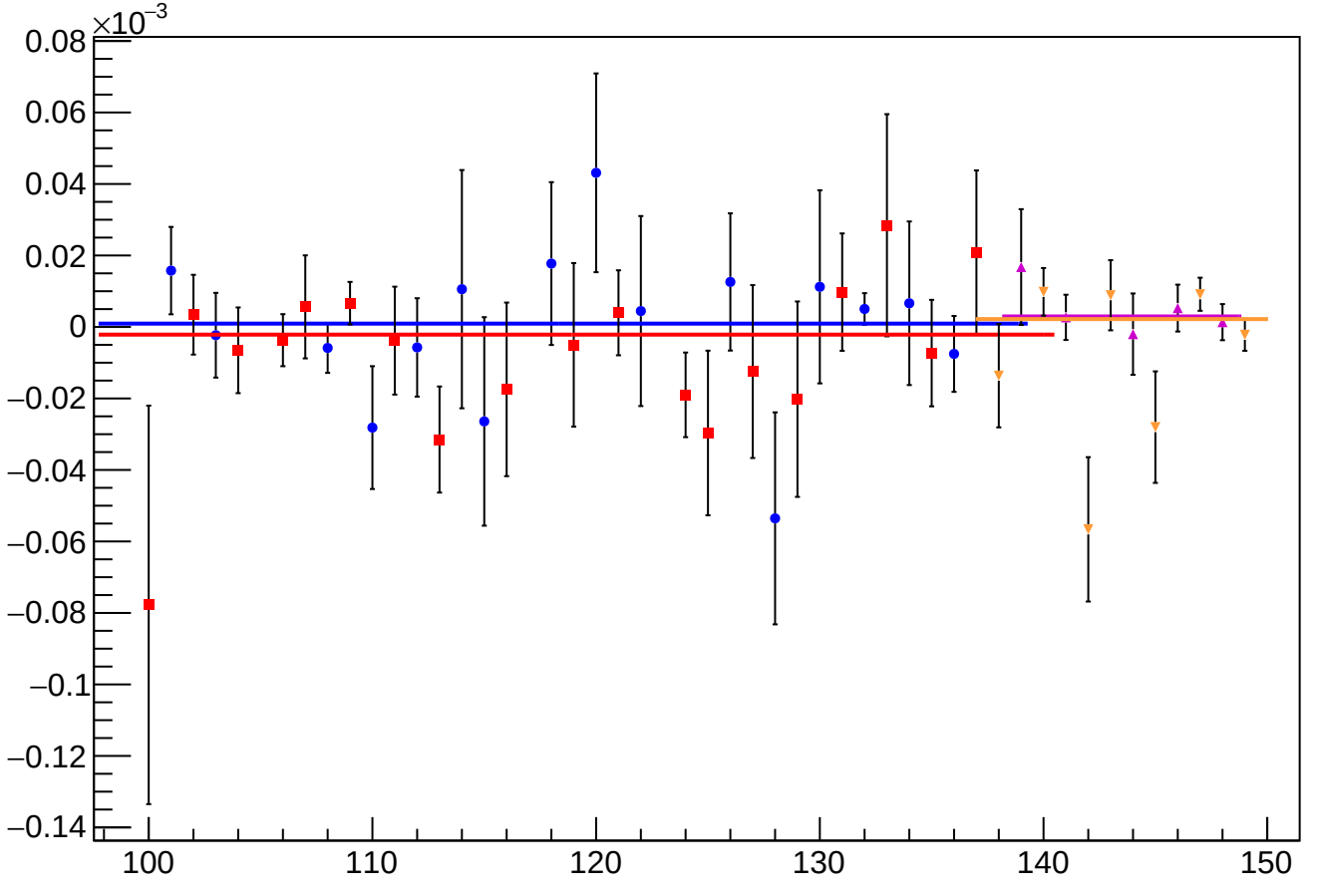
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 156.362+/-0.036 χ^2/NDF:5521893.5/25

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

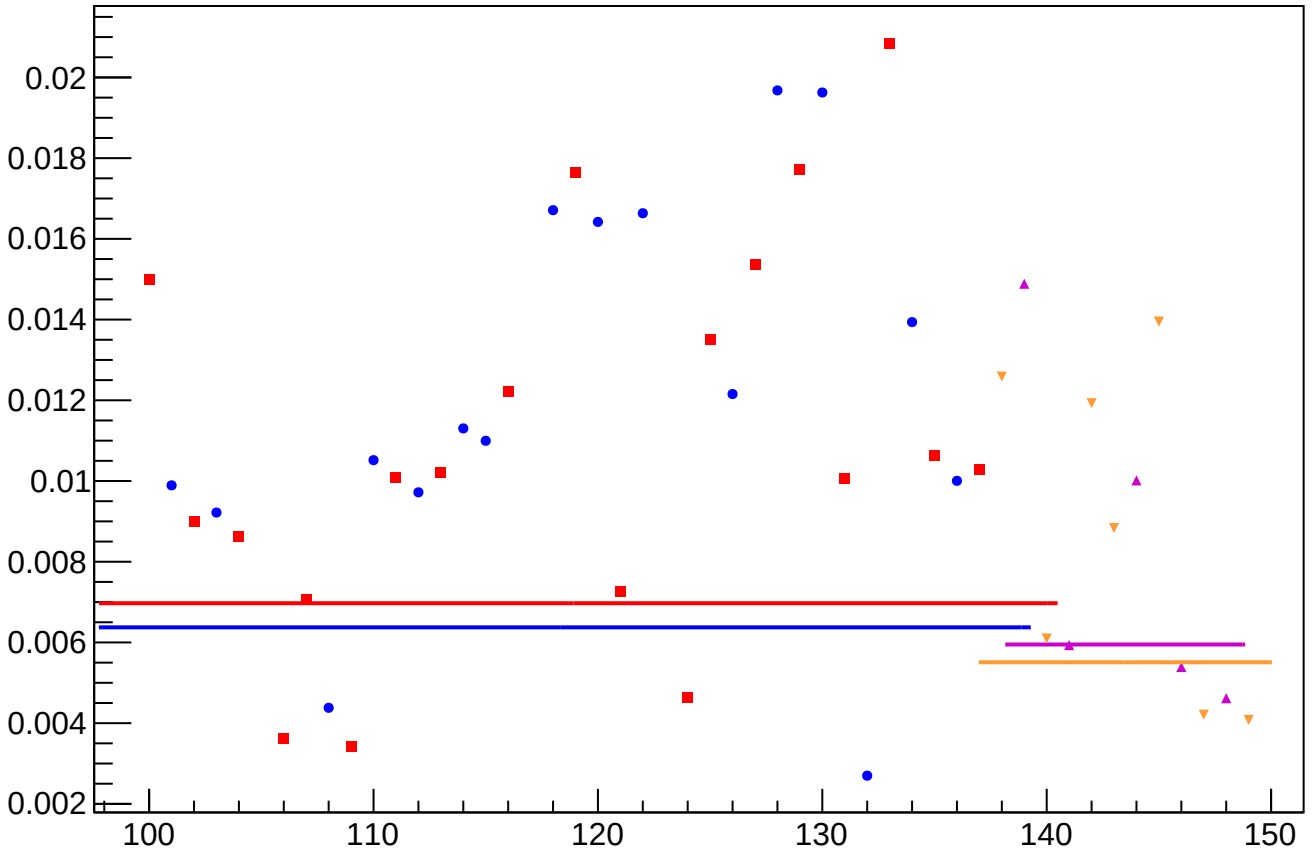
Left: 0.000+/-0.000 χ^2/NDF: 19.6/11

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:35.6/25

All: 0.000+/-0.000 χ^2/NDF: 52.2/46



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1875056.5/6

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: 2915744.7/11

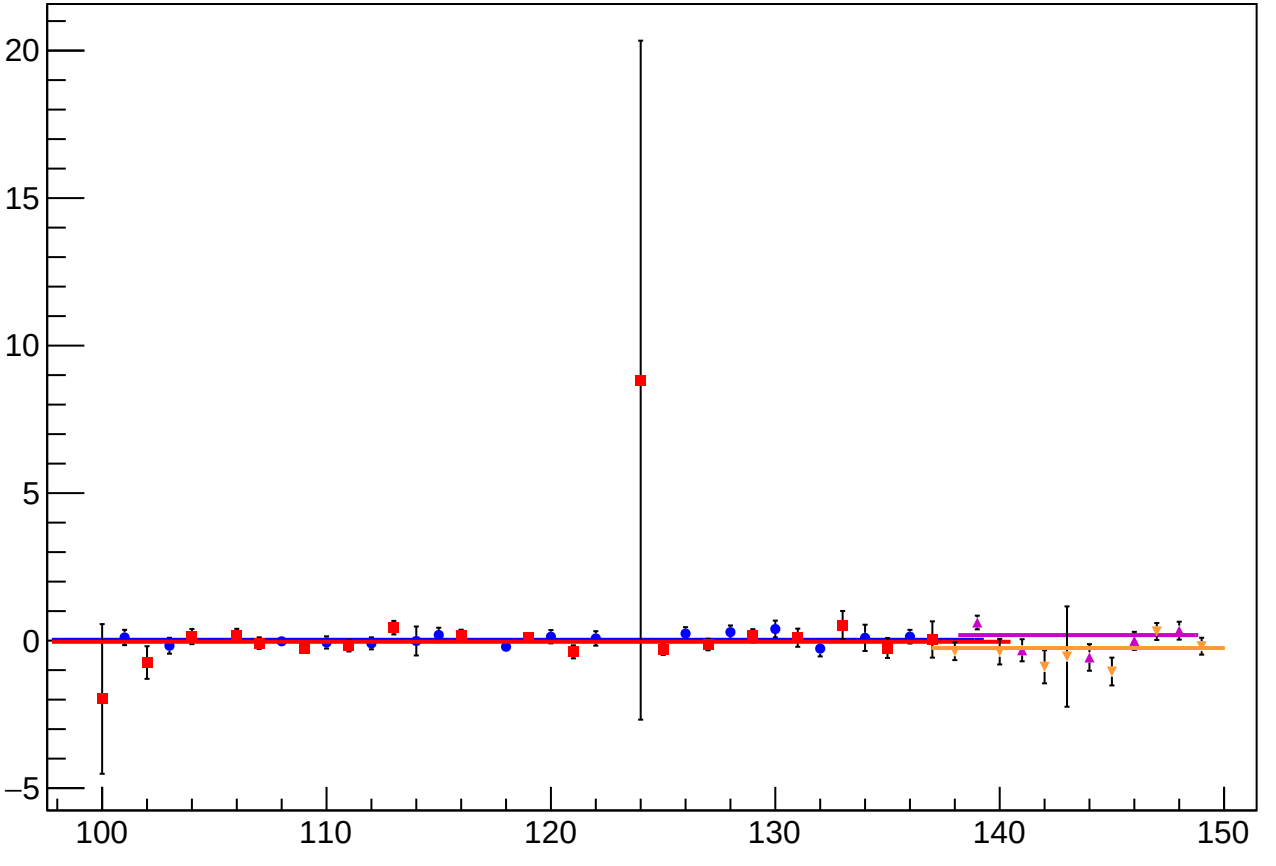
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5677353.4/20

Out: 0.006+/-0.000 χ^2/NDF:5549528.4/25

All: 0.006+/-0.000 χ^2/NDF: 11227072.9/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

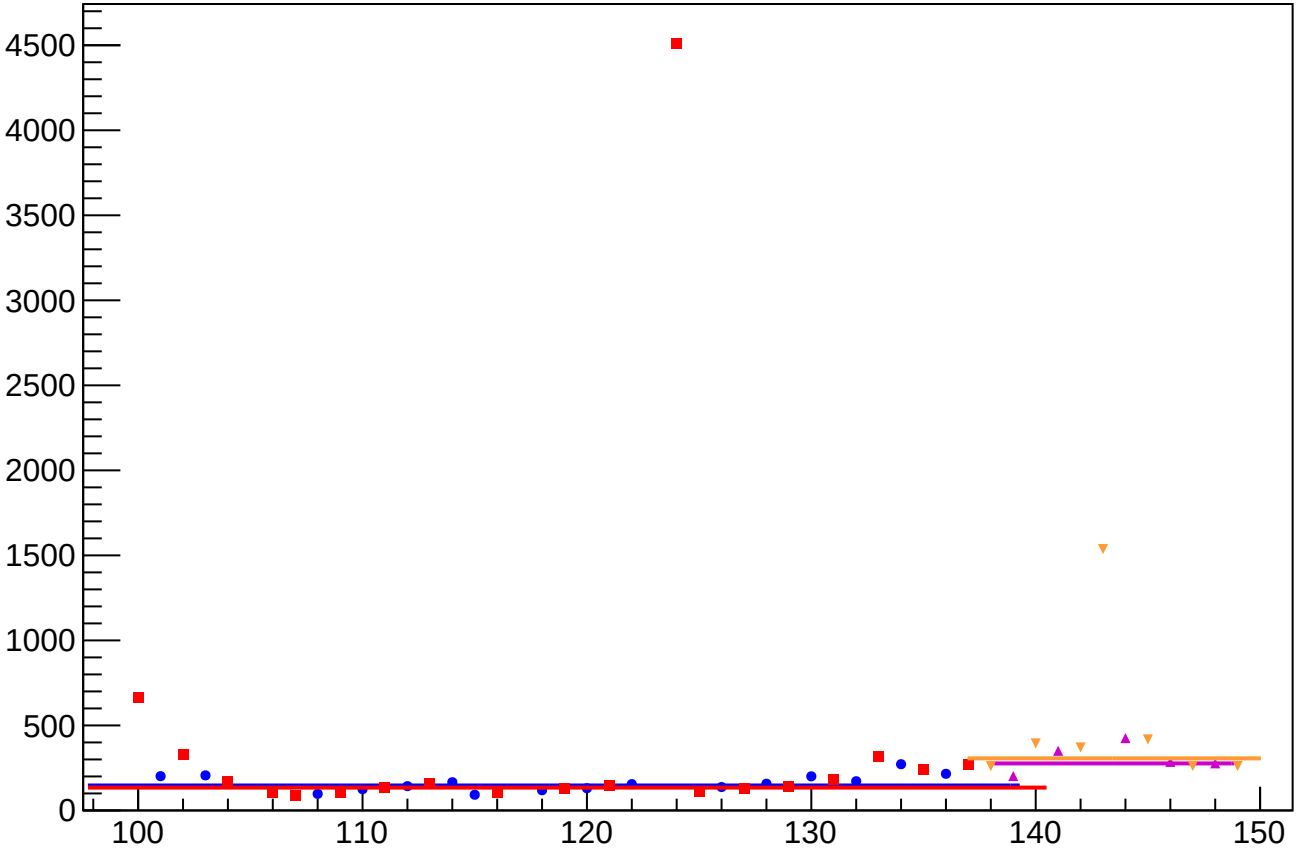
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

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: 290.978+/-0.070 χ^2/NDF: 1958233.2/11

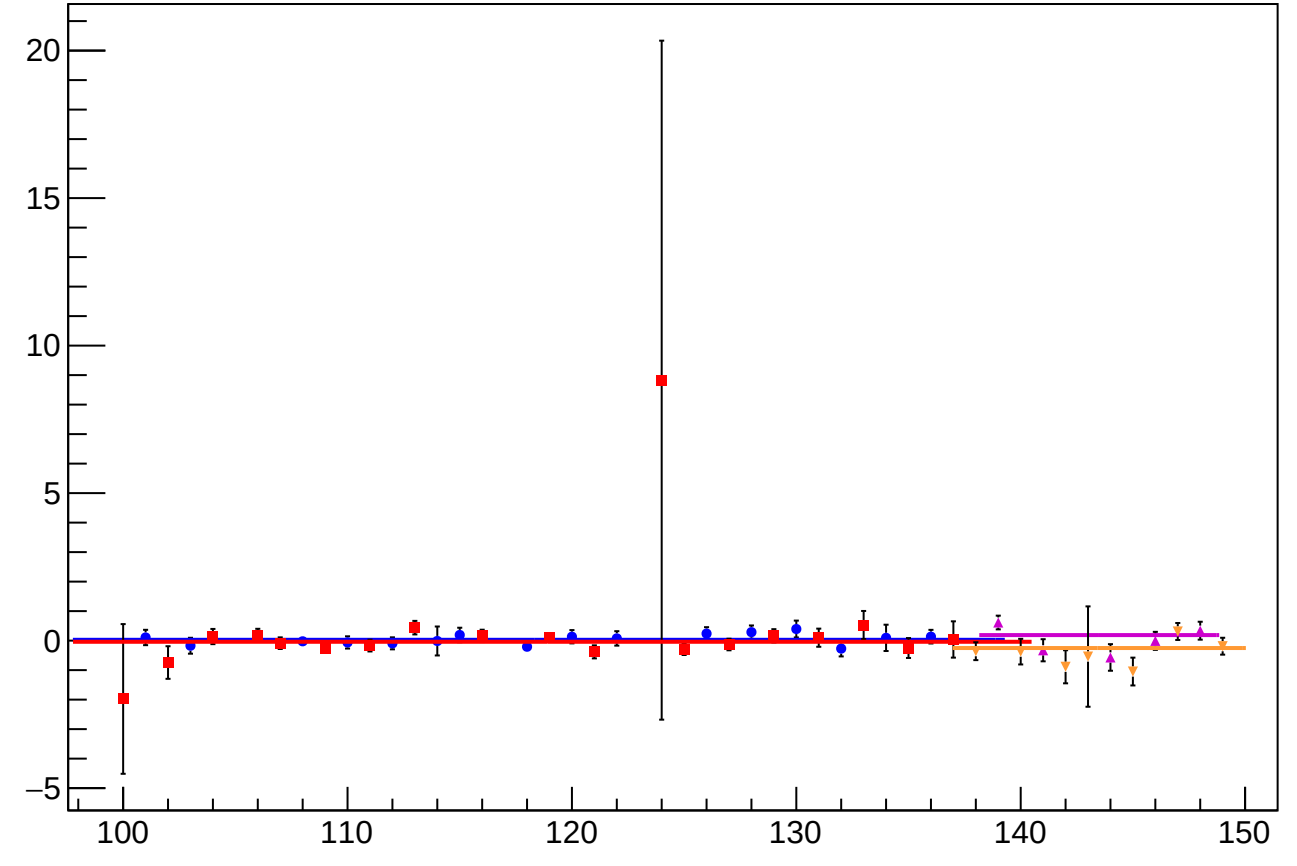
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 156.363+/-0.036 χ^2/NDF:5521828.6/25

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

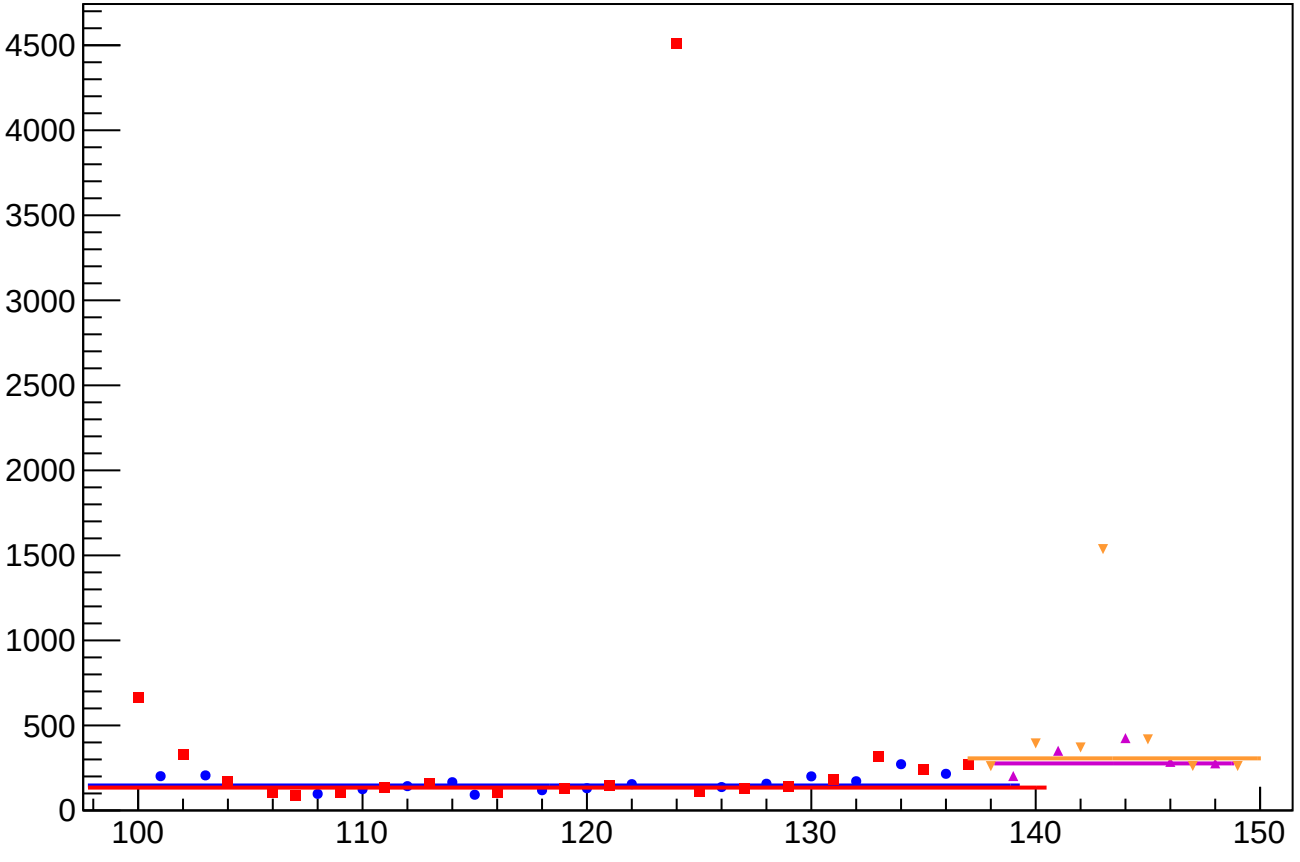
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

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: 290.978+/-0.070 χ^2/NDF: 1958233.2/11

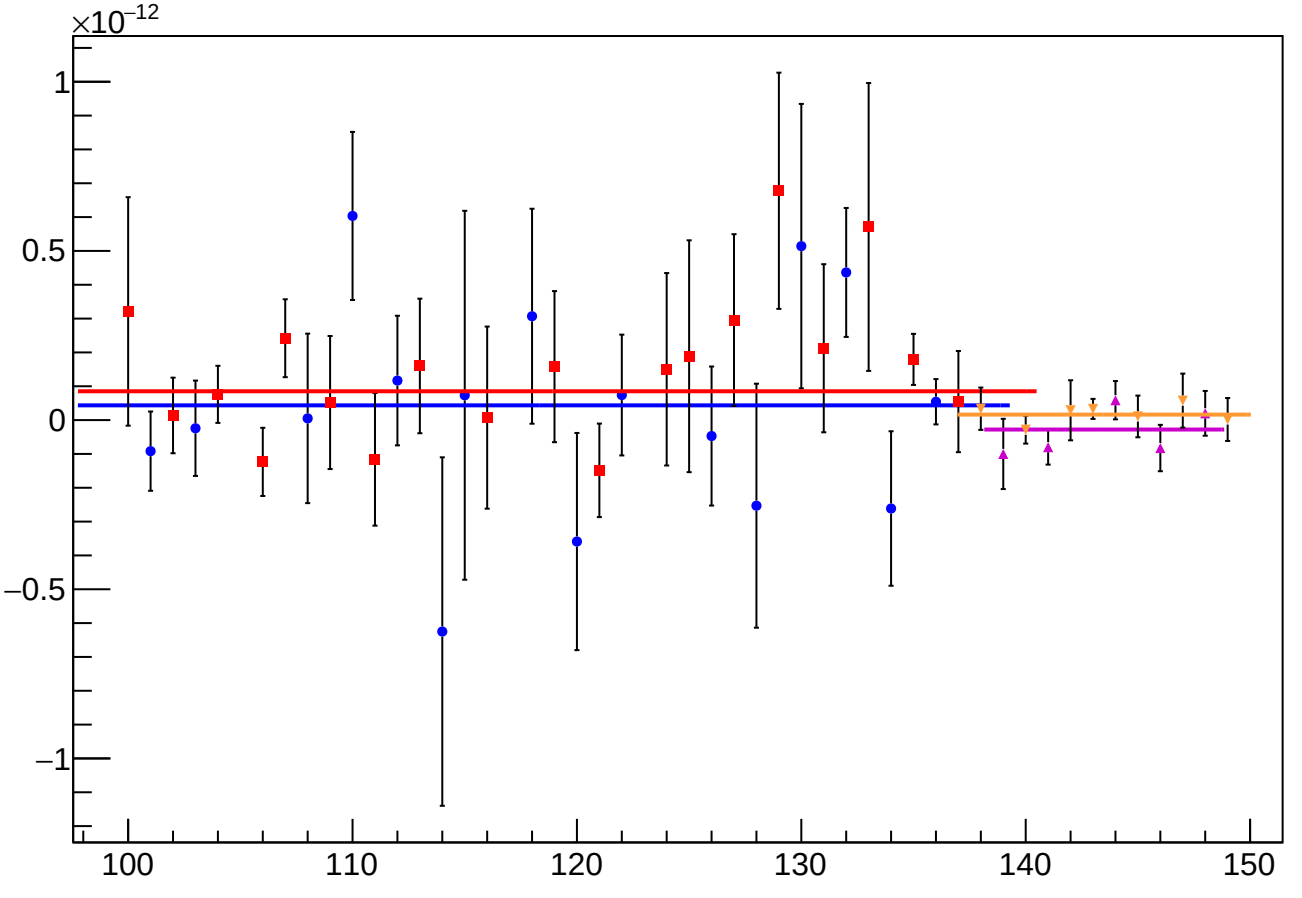
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 156.363+/-0.036 χ^2/NDF:5521828.6/25

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/4

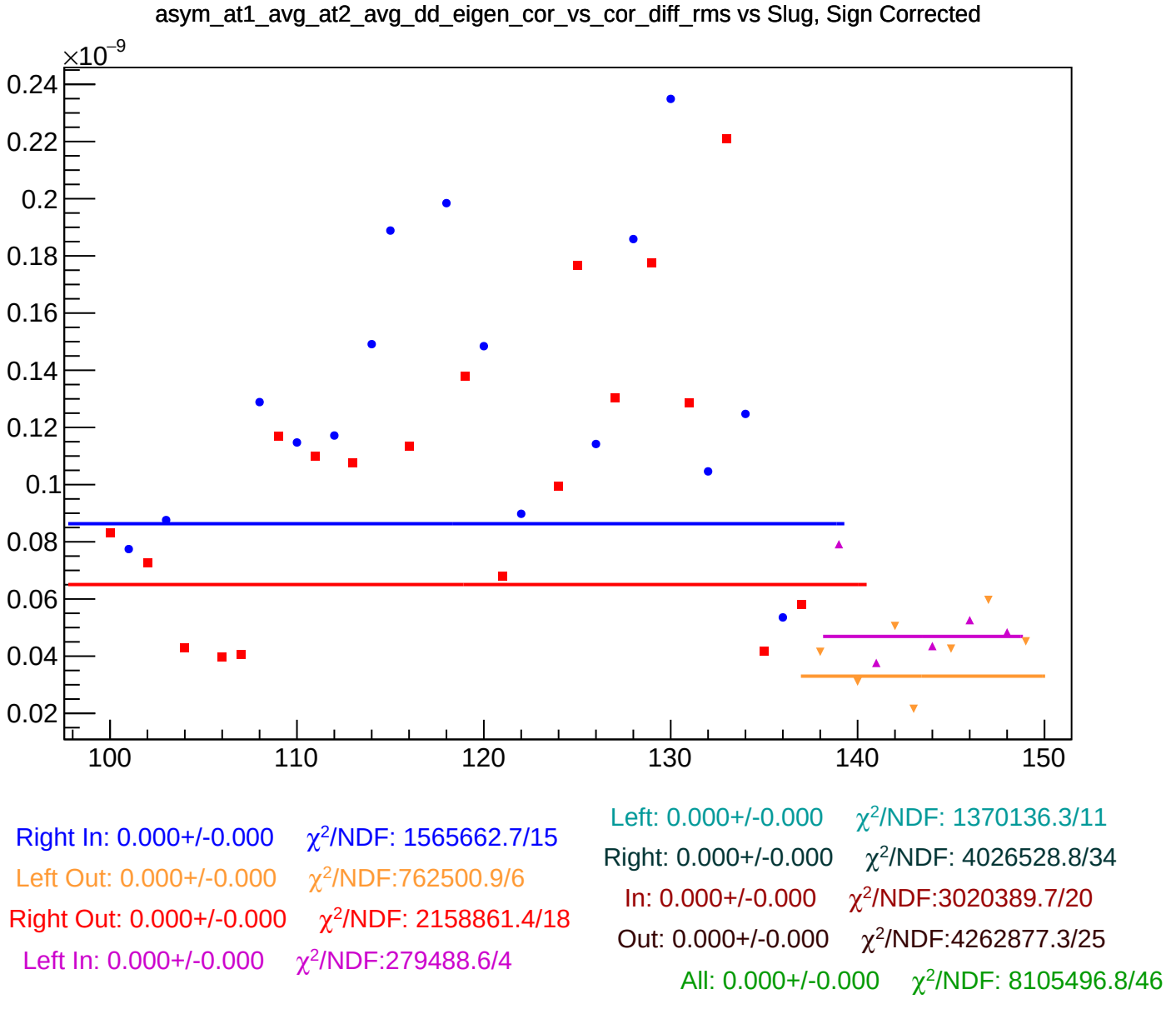
Left: 0.000+/-0.000 χ^2/NDF: 8.6/11

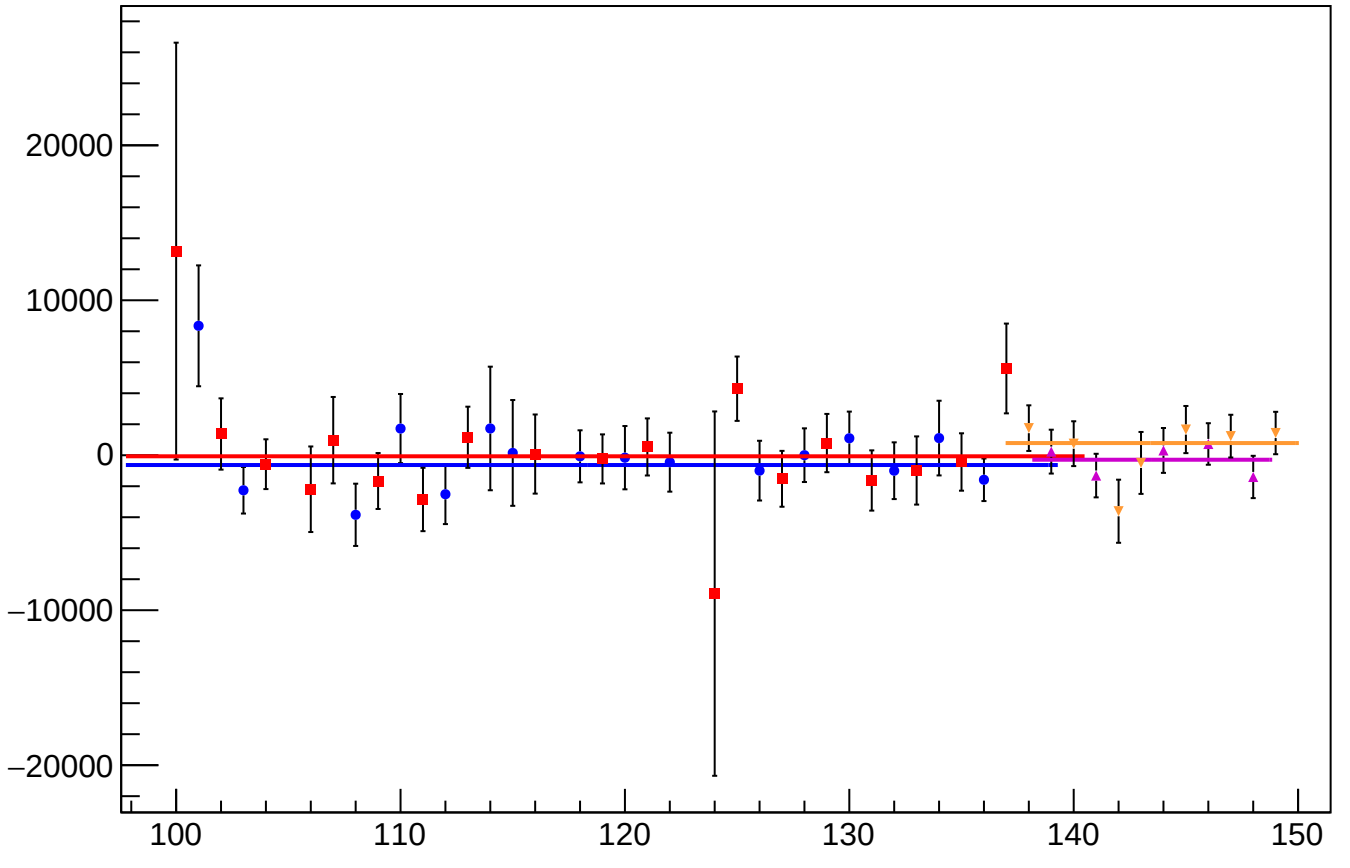
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.3/25

All: 0.000+/-0.000 χ^2/NDF: 50.9/46


asym_at1_avg_at2_avg_dd_eigen_cor_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: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:762500.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 2158861.4/18
Left In: 0.000+/-0.000 χ²/NDF:279488.6/4
Left: 0.000+/-0.000 χ²/NDF: 1370136.3/11
Right: 0.000+/-0.000 χ²/NDF: 4026528.8/34
In: 0.000+/-0.000 χ²/NDF:3020389.7/20
Out: 0.000+/-0.000 χ²/NDF:4262877.3/25
All: 0.000+/-0.000 χ²/NDF: 8105496.8/46



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.631+/-584.802 χ^2/NDF:6.2/6

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -290.048+/-623.108 χ^2/NDF:2.1/4

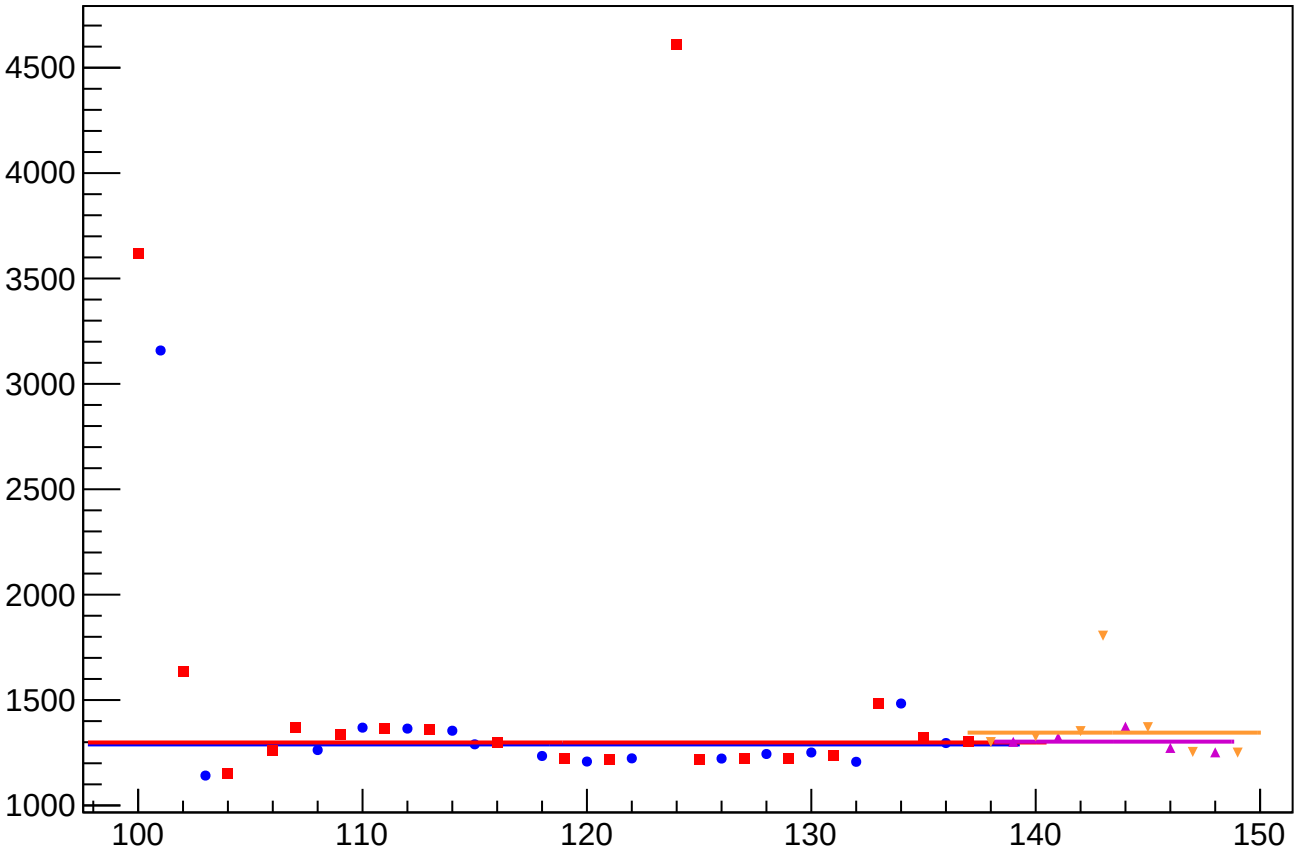
Left: 282.401+/-426.417 χ^2/NDF: 9.8/11

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -501.186+/-384.521 χ^2/NDF:16.2/20

Out: 282.830+/-374.574 χ^2/NDF:23.3/25

All: -98.907+/-268.311 χ^2/NDF: 41.6/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

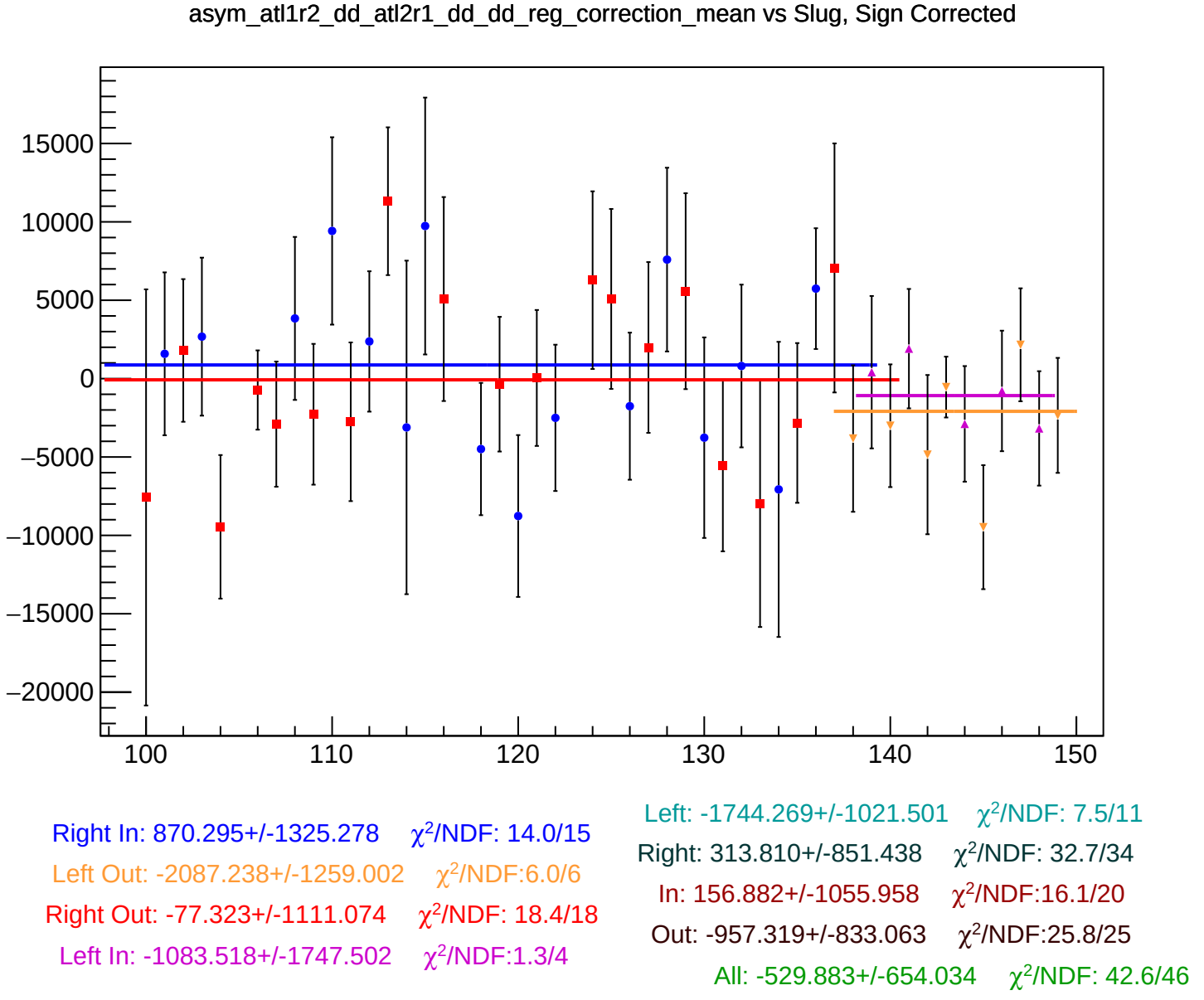
Left: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

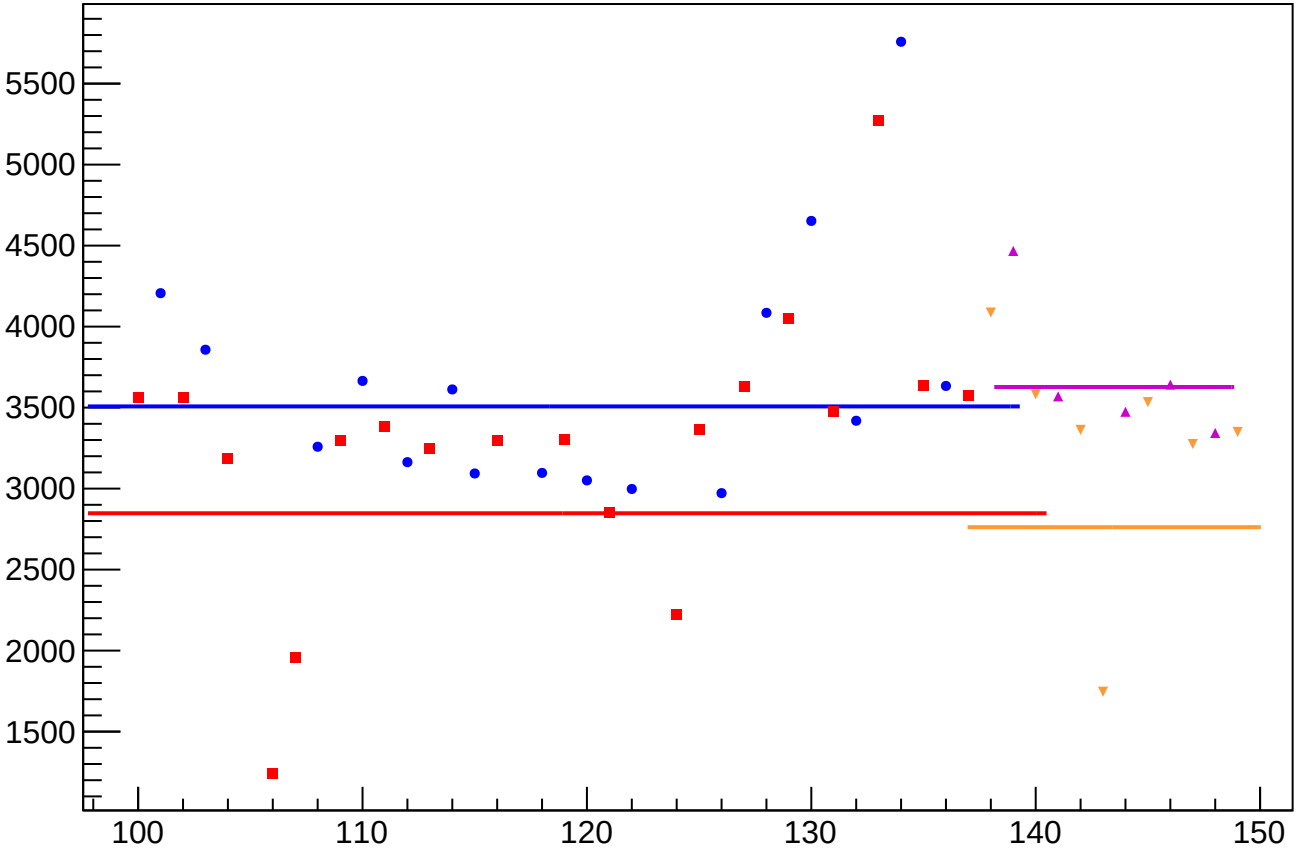
In: 1294.485+/-0.272 χ^2/NDF:524191.7/20

Out: 1317.766+/-0.264 χ^2/NDF:454067.0/25

All: 1306.449+/-0.190 χ^2/NDF: 982026.0/46


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: -2087.238+/-1259.002 χ²/NDF:6.0/6
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1083.518+/-1747.502 χ²/NDF:1.3/4
Left: -1744.269+/-1021.501 χ²/NDF: 7.5/11
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 156.882+/-1055.958 χ²/NDF:16.1/20
Out: -957.319+/-833.063 χ²/NDF:25.8/25
All: -529.883+/-654.034 χ²/NDF: 42.6/46

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: 2761.911+/-0.890 χ^2/NDF:993241.5/6

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3627.290+/-1.236 χ^2/NDF:75704.1/4

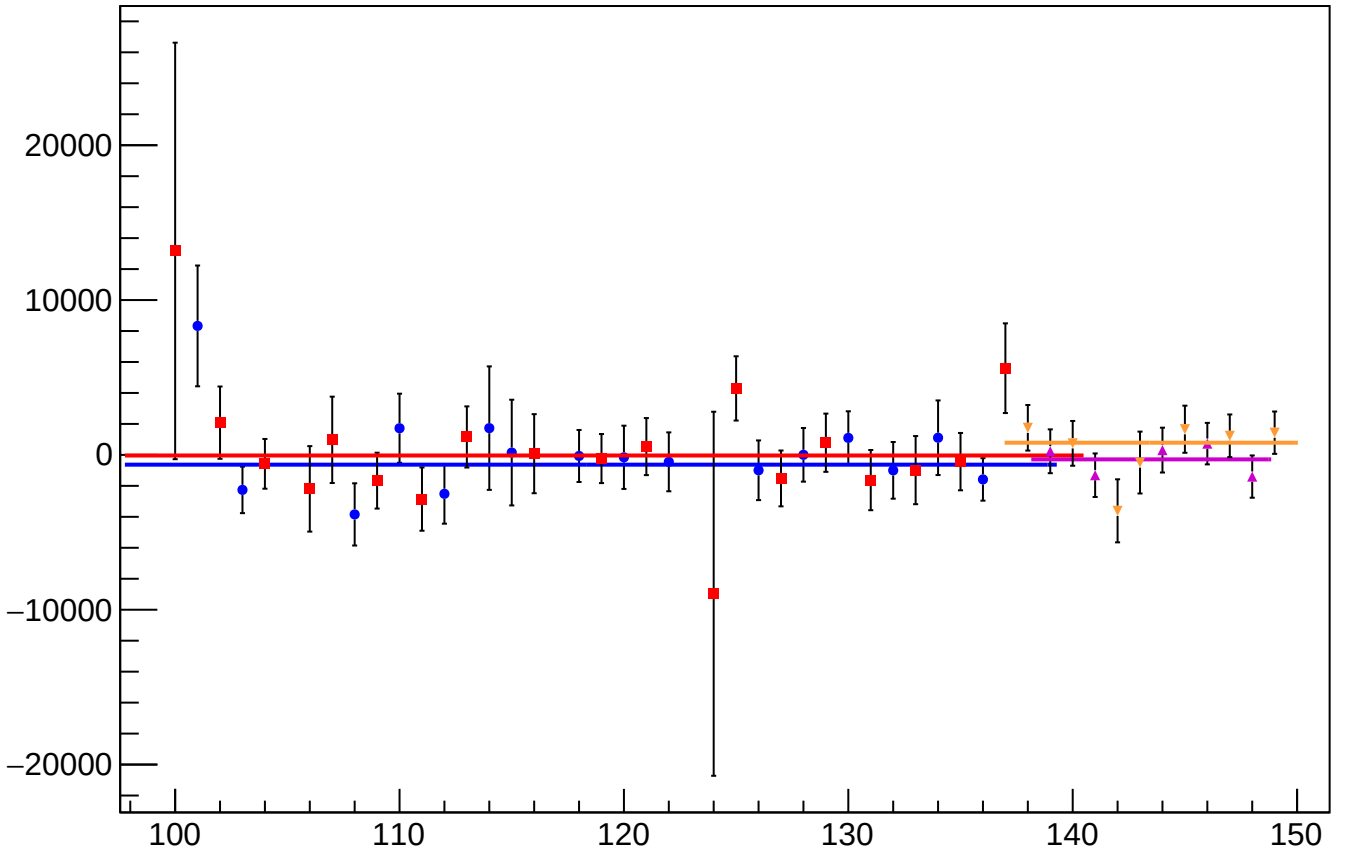
Left: 3057.609+/-0.722 χ^2/NDF: 1391819.3/11

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3551.174+/-0.747 χ^2/NDF:435659.9/20

Out: 2810.214+/-0.589 χ^2/NDF:2497851.8/25

All: 3094.465+/-0.462 χ^2/NDF: 3540488.6/46



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

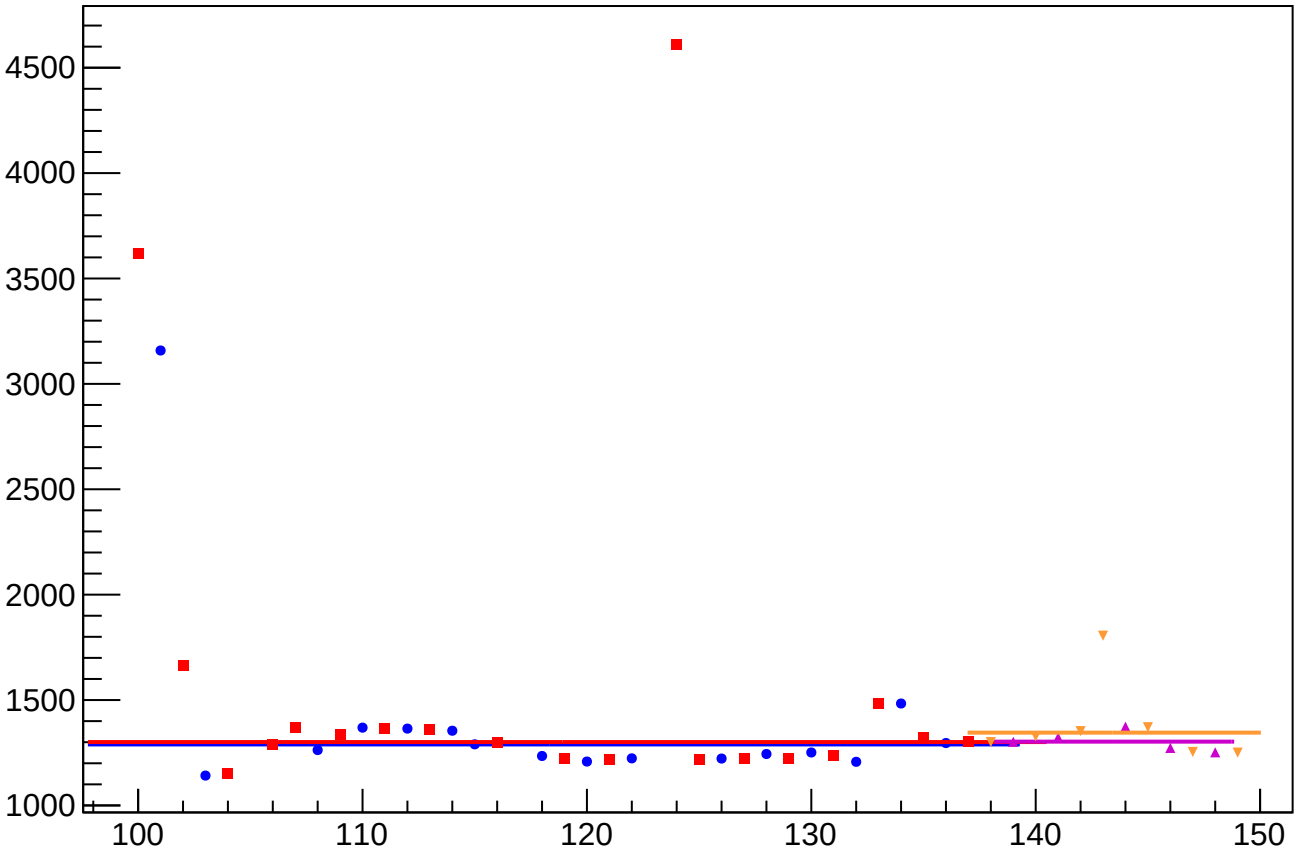
Left: 282.337+/-426.417 χ^2/NDF: 9.8/11

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 300.165+/-374.721 χ^2/NDF:23.7/25

All: -90.288+/-268.365 χ^2/NDF: 42.0/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

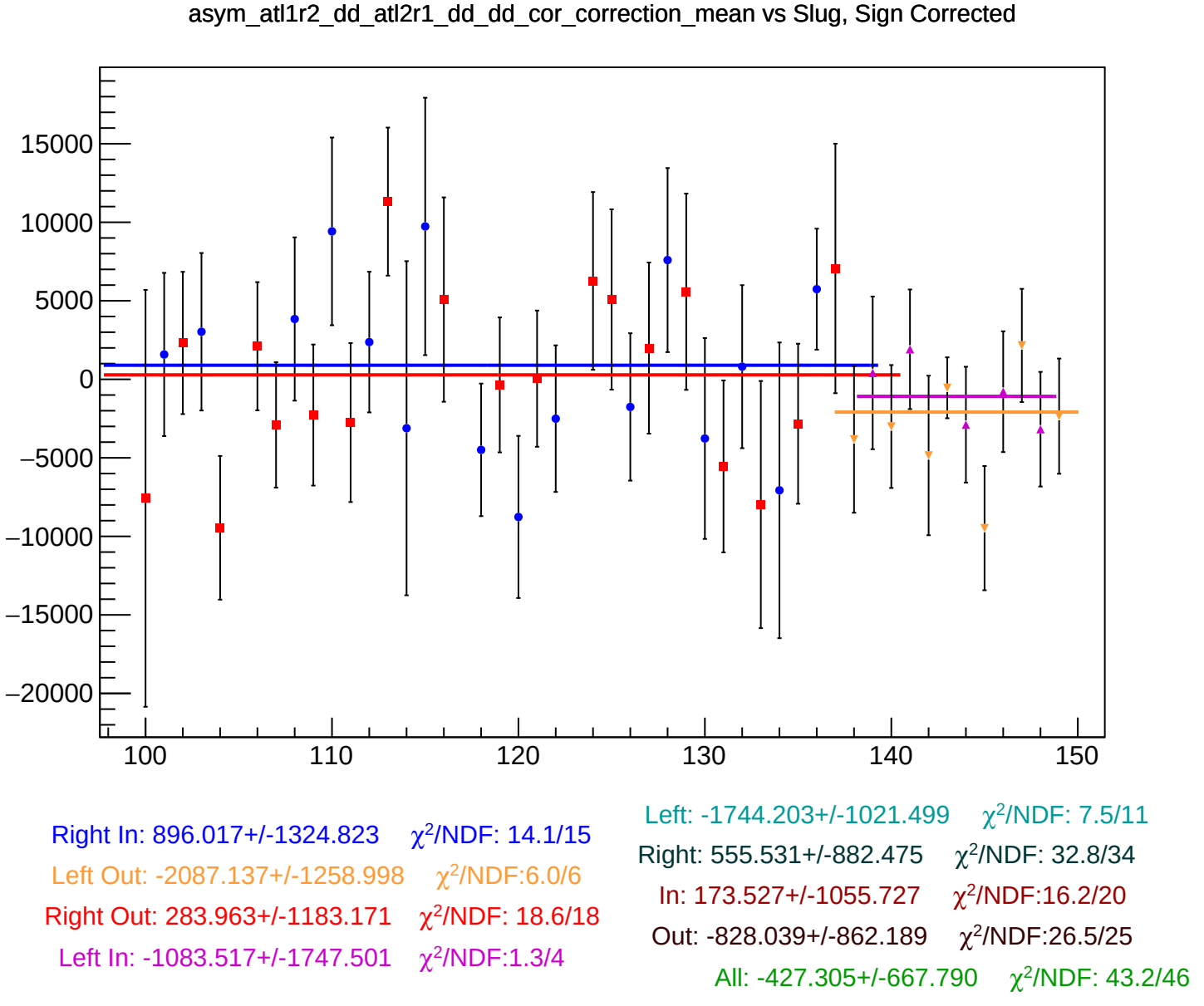
Left: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1318.996+/-0.265 χ^2/NDF:459950.8/25

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
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−15000
−20000
100
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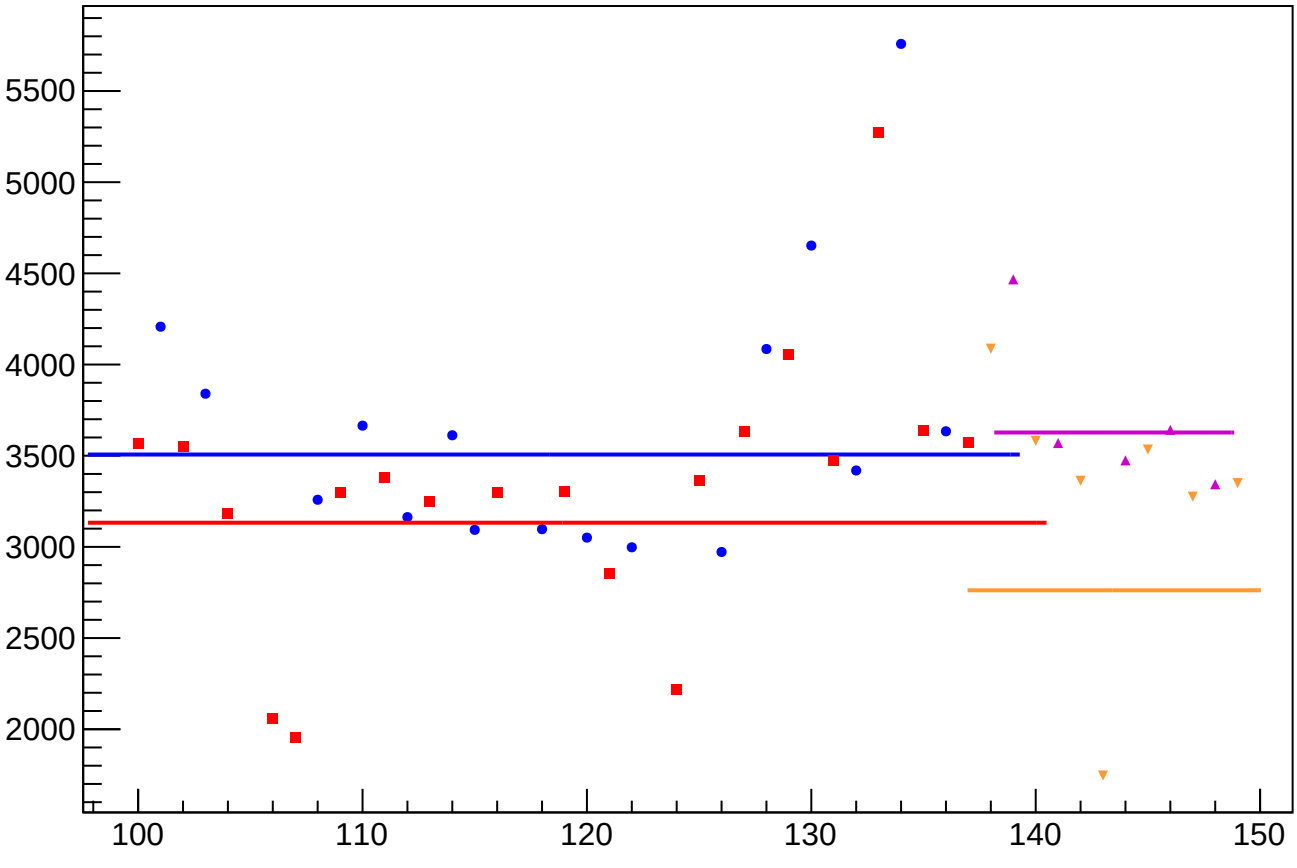
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2087.137+/-1258.998 χ²/NDF:6.0/6
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1744.203+/-1021.499 χ²/NDF: 7.5/11
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -828.039+/-862.189 χ²/NDF:26.5/25
All: -427.305+/-667.790 χ²/NDF: 43.2/46



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

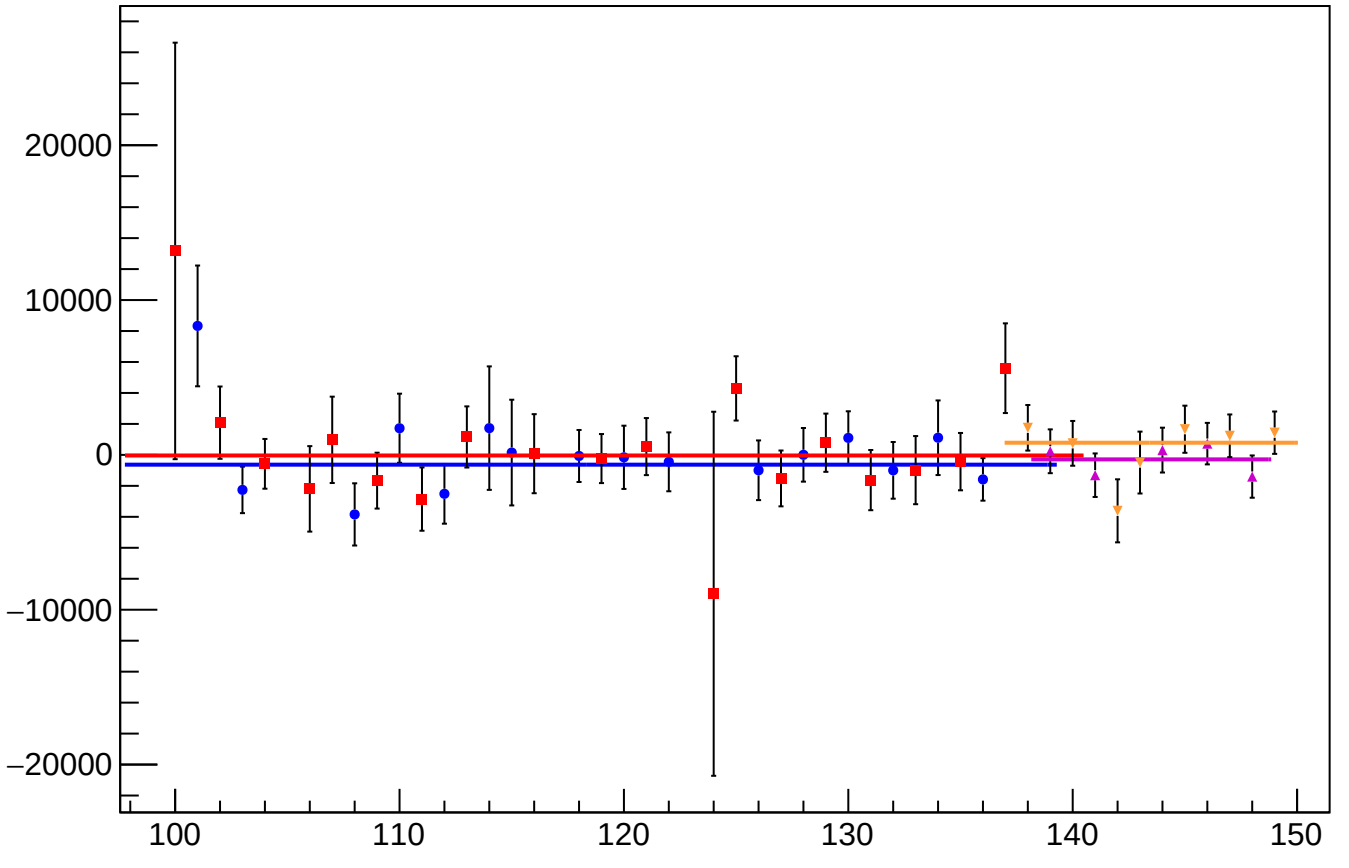
Left: 3057.600+/-0.722 χ^2/NDF: 1391840.0/11

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2958.741+/-0.610 χ^2/NDF:1734934.2/25

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 786.523+/-584.802 χ^2/NDF:6.2/6

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -290.063+/-623.108 χ^2/NDF:2.1/4

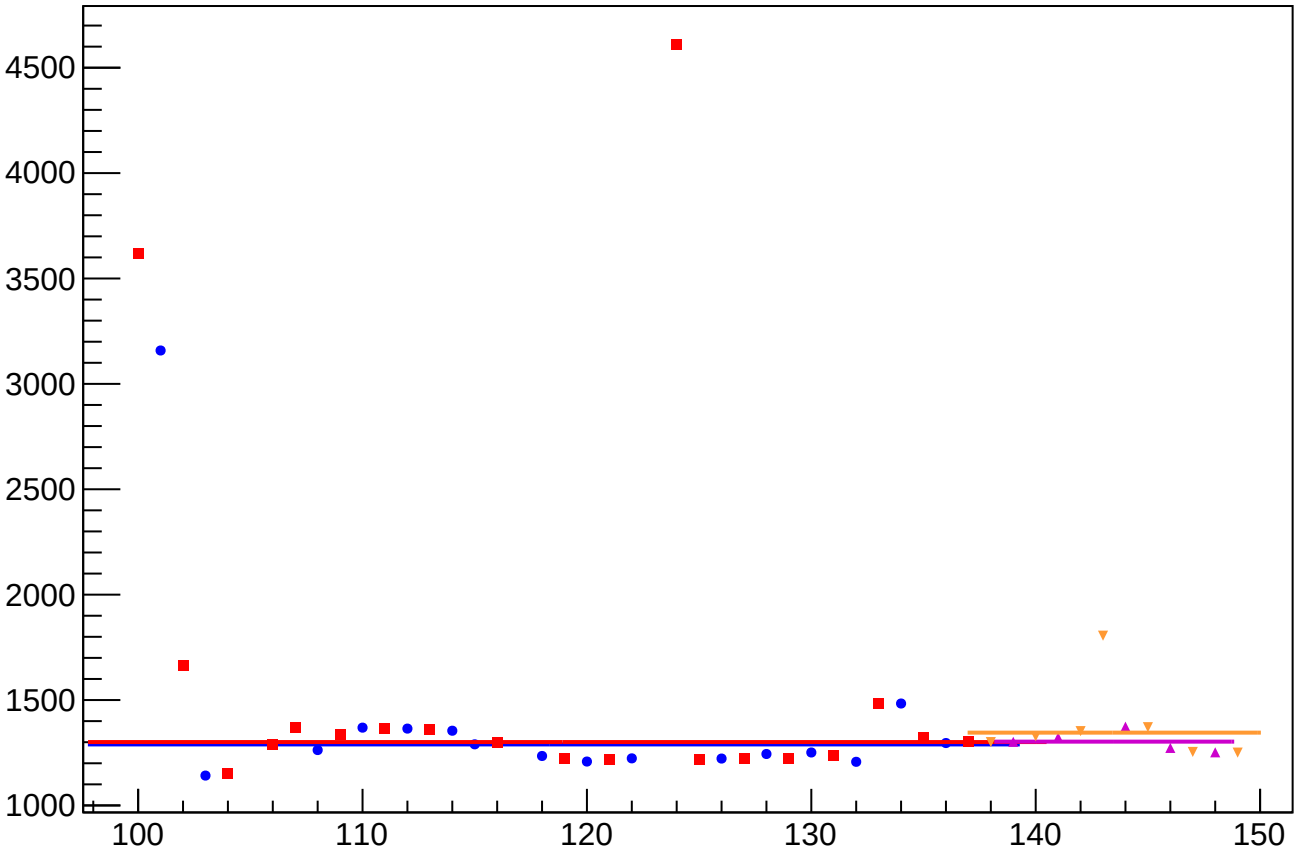
Left: 282.337+/-426.417 χ^2/NDF: 9.8/11

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -501.431+/-384.521 χ^2/NDF:16.1/20

Out: 300.165+/-374.721 χ^2/NDF:23.7/25

All: -90.288+/-268.365 χ^2/NDF: 42.0/46



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1345.381+/-0.414 χ^2/NDF:127146.3/6

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1302.646+/-0.441 χ^2/NDF:8962.6/4

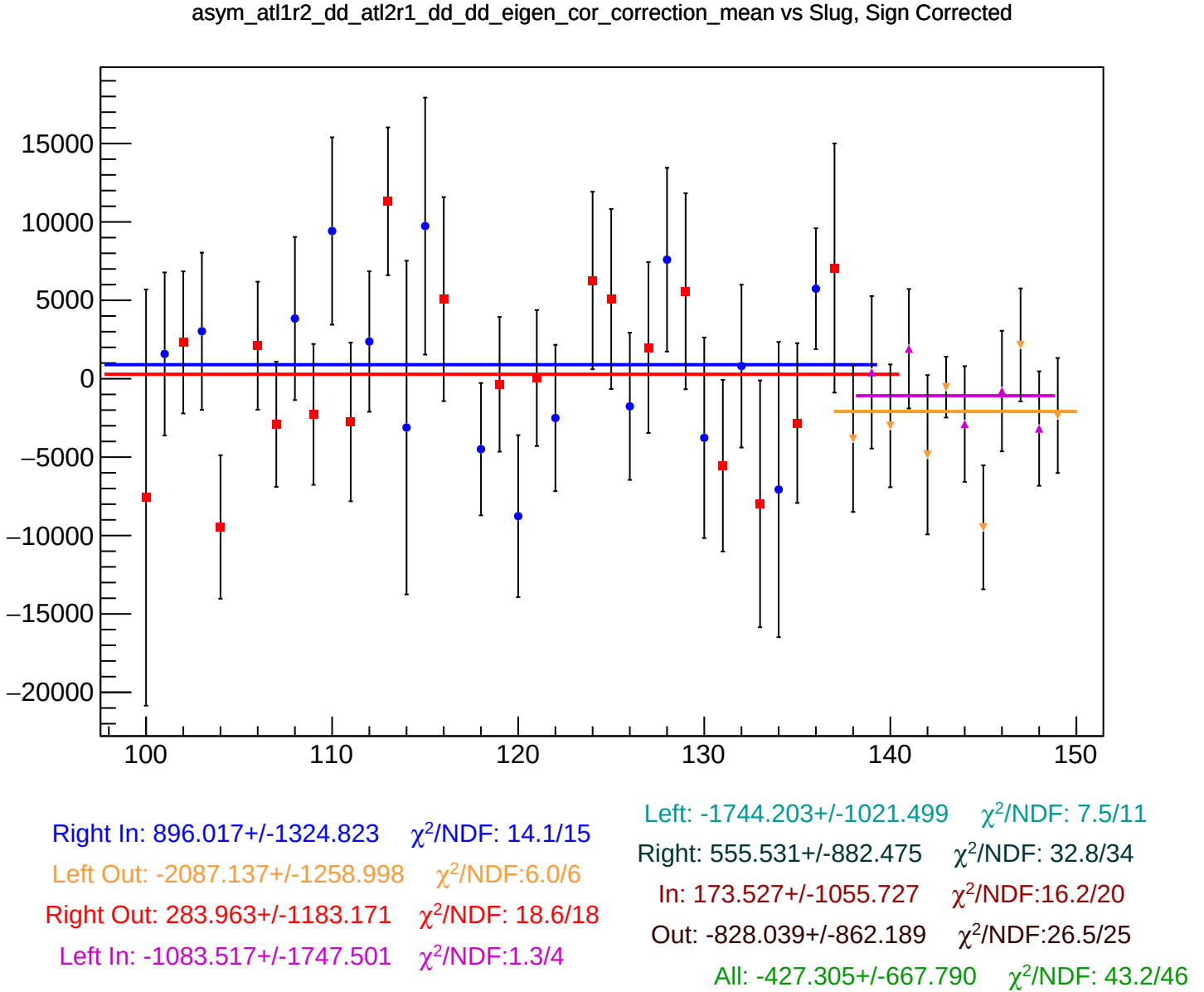
Left: 1325.367+/-0.302 χ^2/NDF: 141110.5/11

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1294.485+/-0.272 χ^2/NDF:524193.2/20

Out: 1318.996+/-0.265 χ^2/NDF:459950.8/25

All: 1307.070+/-0.190 χ^2/NDF: 988316.4/46


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
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−20000
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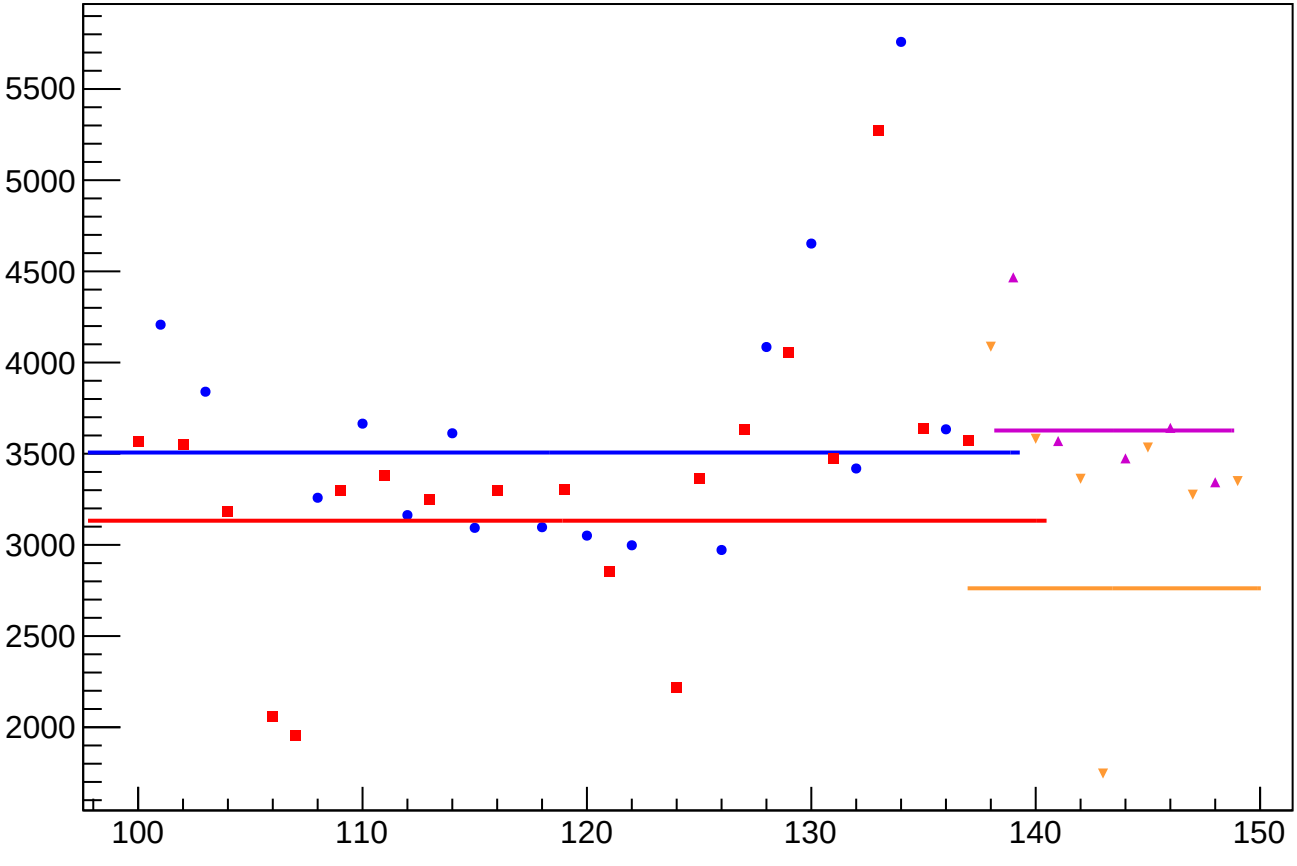
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2087.137+/-1258.998 χ²/NDF:6.0/6
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1083.517+/-1747.501 χ²/NDF:1.3/4
Left: -1744.203+/-1021.499 χ²/NDF: 7.5/11
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 173.527+/-1055.727 χ²/NDF:16.2/20
Out: -828.039+/-862.189 χ²/NDF:26.5/25
All: -427.305+/-667.790 χ²/NDF: 43.2/46

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: 2761.900+/-0.890 χ^2/NDF:993256.0/6

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3627.289+/-1.236 χ^2/NDF:75701.8/4

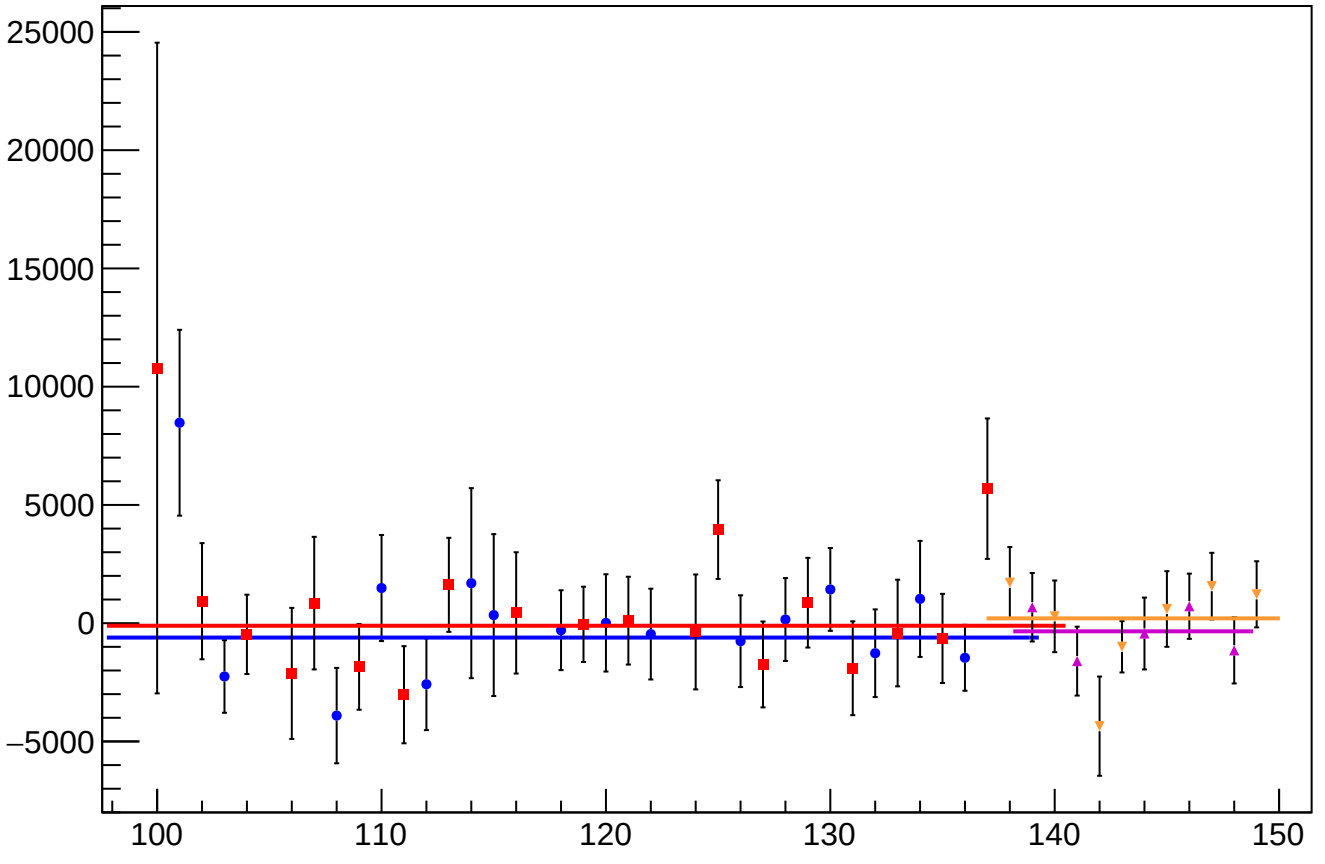
Left: 3057.600+/-0.722 χ^2/NDF: 1391840.0/11

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3550.575+/-0.747 χ^2/NDF:435008.9/20

Out: 2958.741+/-0.610 χ^2/NDF:1734934.2/25

All: 3195.538+/-0.472 χ^2/NDF: 2546994.5/46



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.117+/-545.569 χ^2/NDF:8.5/6

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -344.307+/-643.028 χ^2/NDF:2.2/4

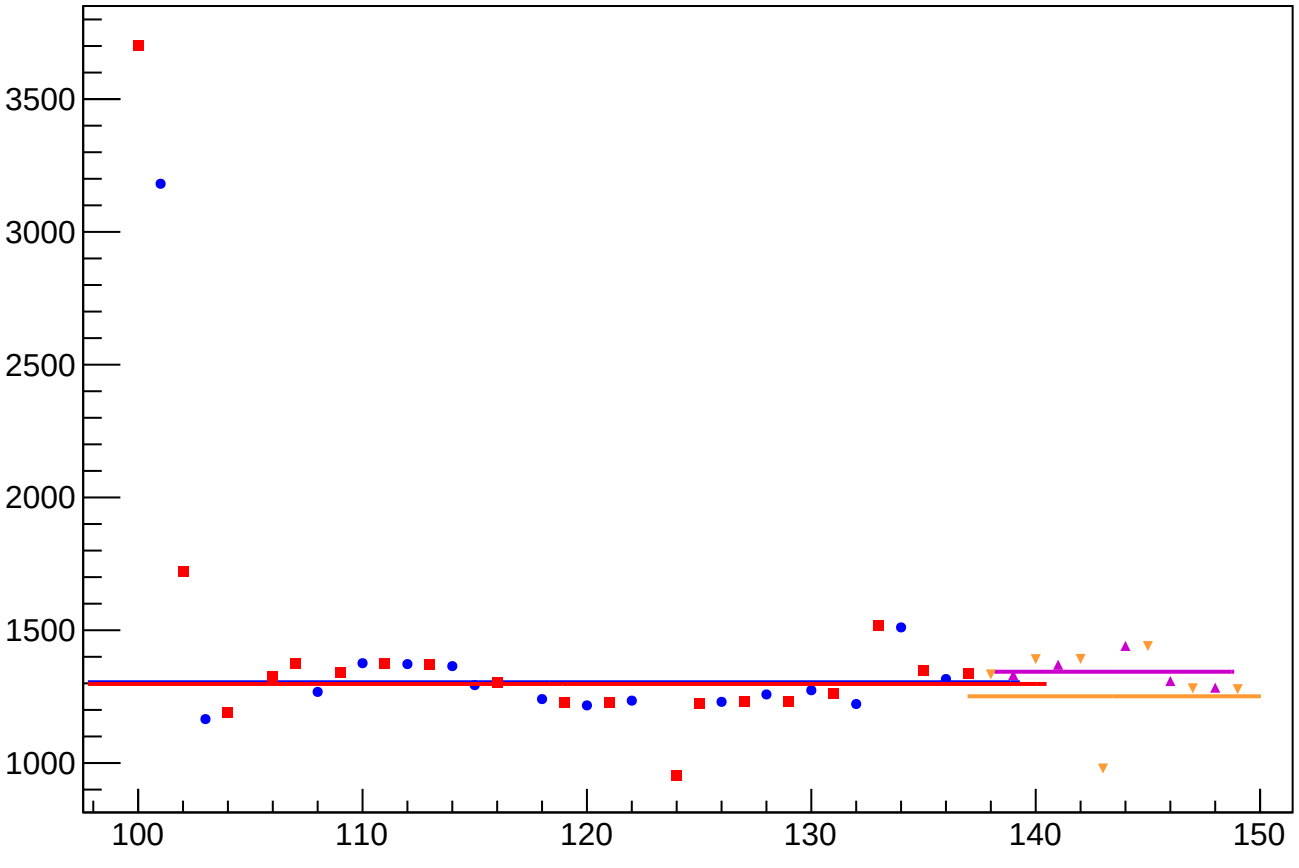
Left: -25.427+/-416.011 χ^2/NDF: 11.1/11

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -509.980+/-391.834 χ^2/NDF:16.4/20

Out: 29.610+/-362.708 χ^2/NDF:23.5/25

All: -219.386+/-266.175 χ^2/NDF: 40.9/46



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1251.266+/-0.386 χ^2/NDF:187430.1/6

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1343.748+/-0.455 χ^2/NDF:13958.6/4

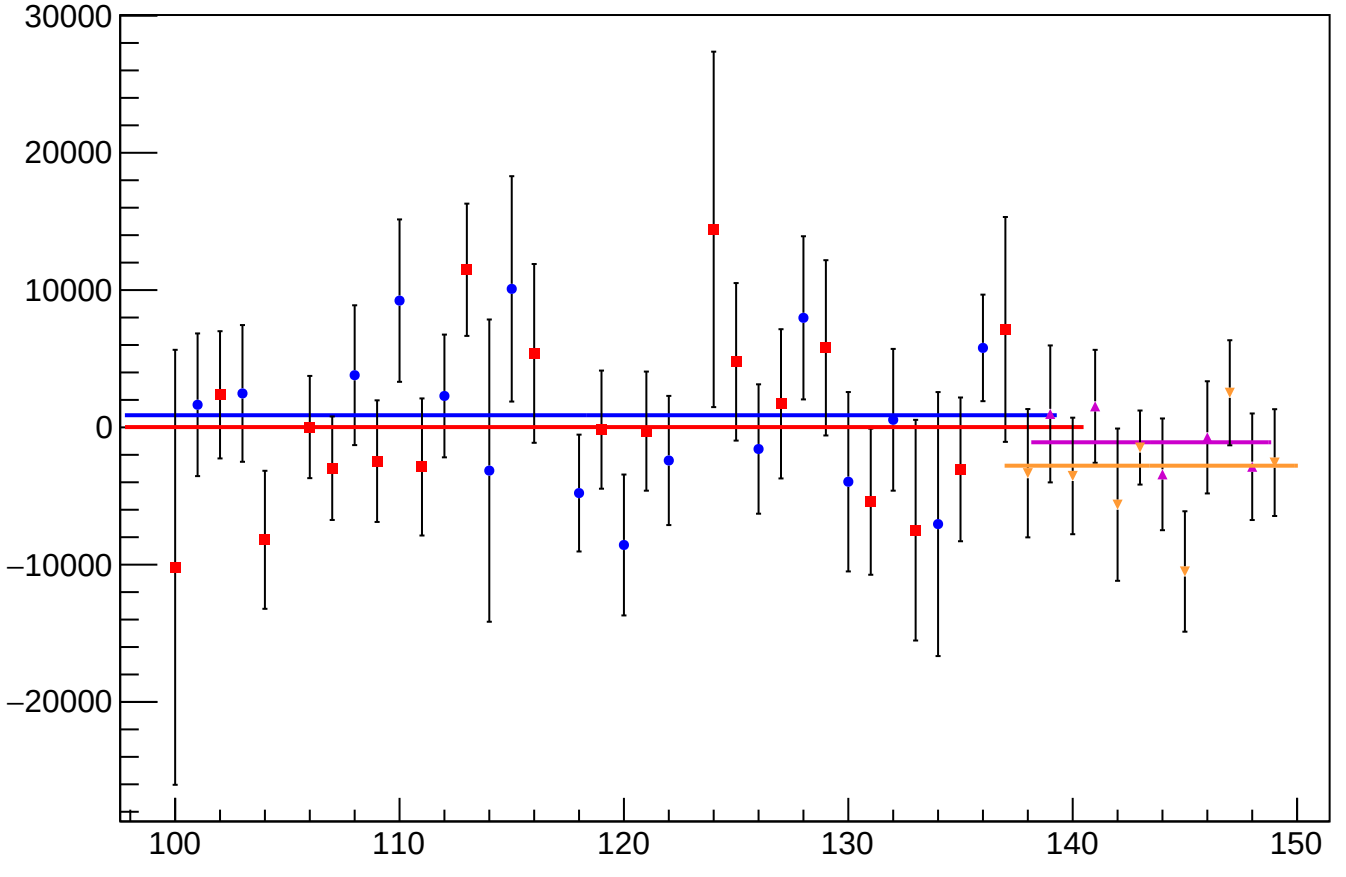
Left: 1289.974+/-0.294 χ^2/NDF: 225443.2/11

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1318.823+/-0.277 χ^2/NDF:529327.6/20

Out: 1277.247+/-0.256 χ^2/NDF:408650.2/25

All: 1296.424+/-0.188 χ^2/NDF: 950109.0/46



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2791.459+/-1478.285 χ^2/NDF:5.6/6

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: -2135.545+/-1159.665 χ^2/NDF: 7.2/11

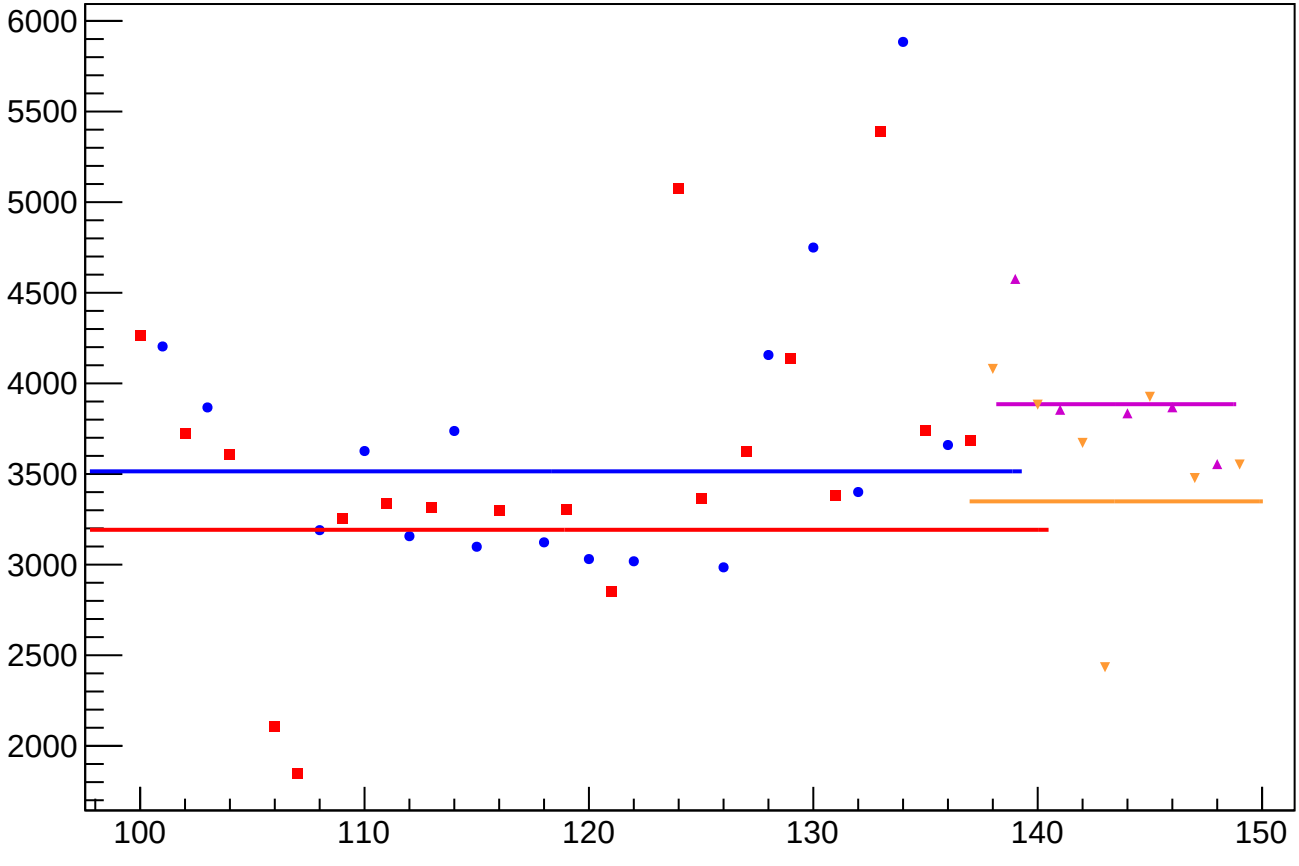
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 223.927+/-1082.404 χ^2/NDF:16.0/20

Out: -1096.334+/-931.685 χ^2/NDF:24.6/25

All: -534.451+/-706.126 χ^2/NDF: 41.4/46

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: 3349.085+/-1.045 χ^2/NDF:359788.3/6

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3885.199+/-1.322 χ^2/NDF:53360.0/4

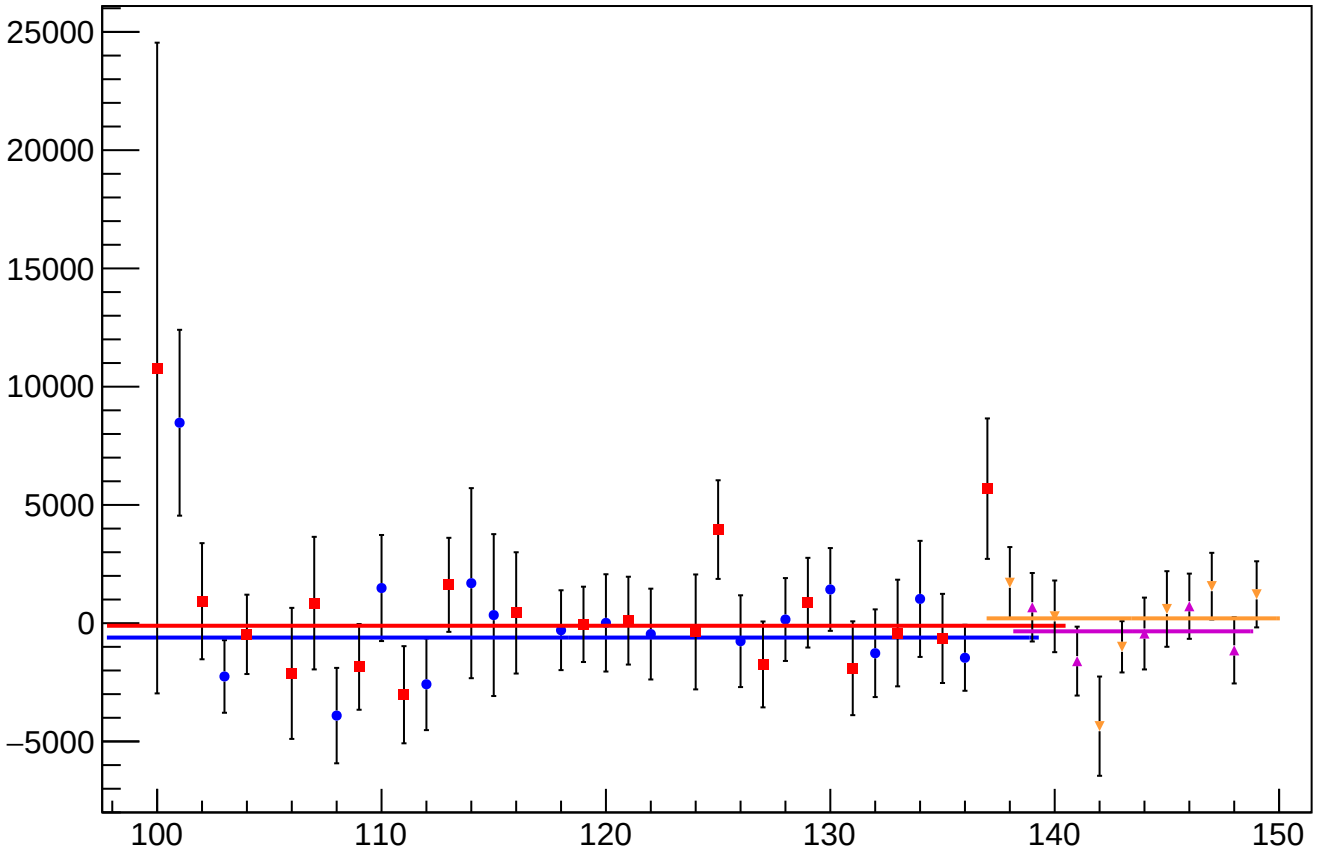
Left: 3555.281+/-0.820 χ^2/NDF: 514317.9/11

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3638.874+/-0.765 χ^2/NDF:480633.7/20

Out: 3254.519+/-0.659 χ^2/NDF:1145861.6/25

All: 3418.094+/-0.499 χ^2/NDF: 1771353.2/46



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 204.113+/-545.569 χ^2/NDF:8.5/6

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -344.306+/-643.029 χ^2/NDF:2.2/4

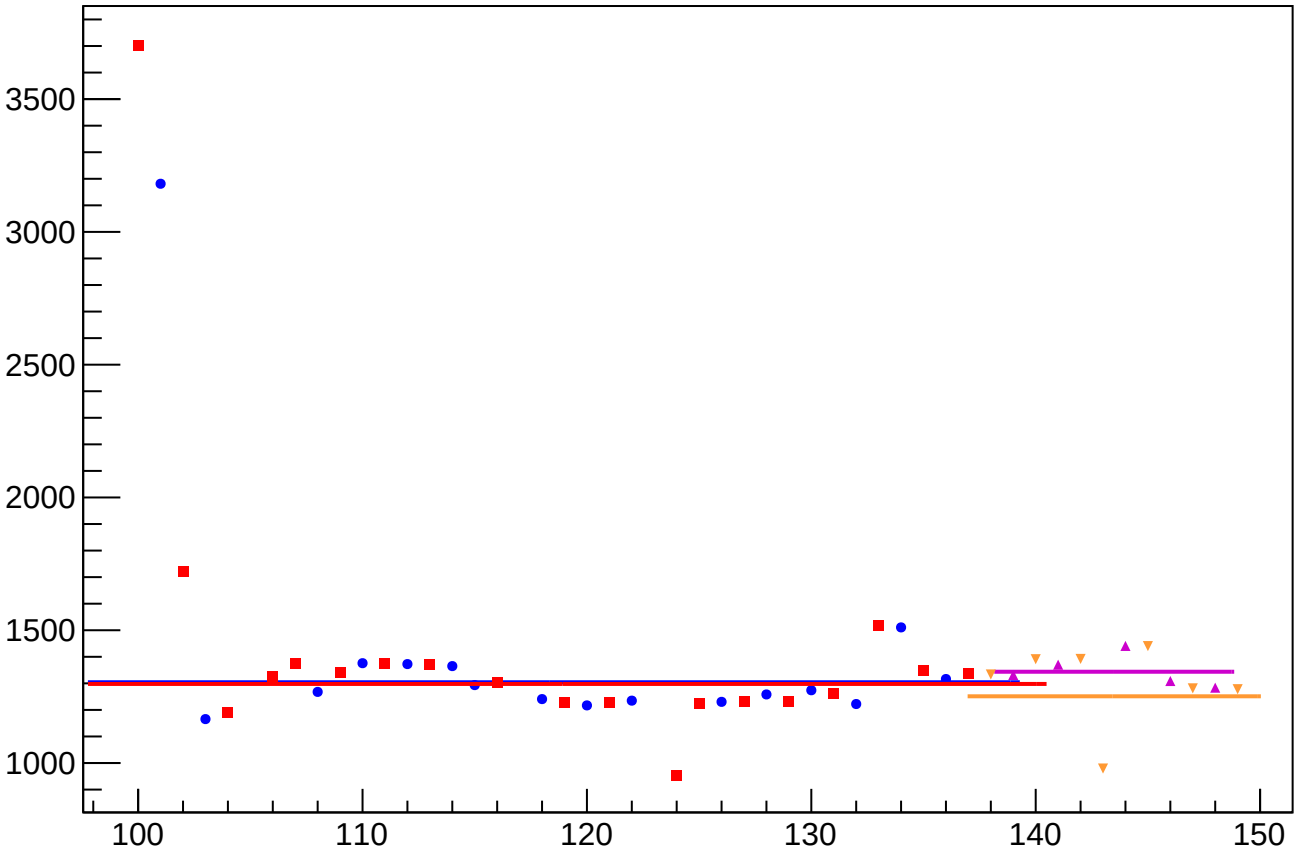
Left: -25.429+/-416.011 χ^2/NDF: 11.1/11

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -509.982+/-391.835 χ^2/NDF:16.4/20

Out: 29.606+/-362.708 χ^2/NDF:23.5/25

All: -219.390+/-266.175 χ^2/NDF: 40.9/46



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1251.267+/-0.386 χ^2/NDF:187430.4/6

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1343.749+/-0.455 χ^2/NDF:13958.6/4

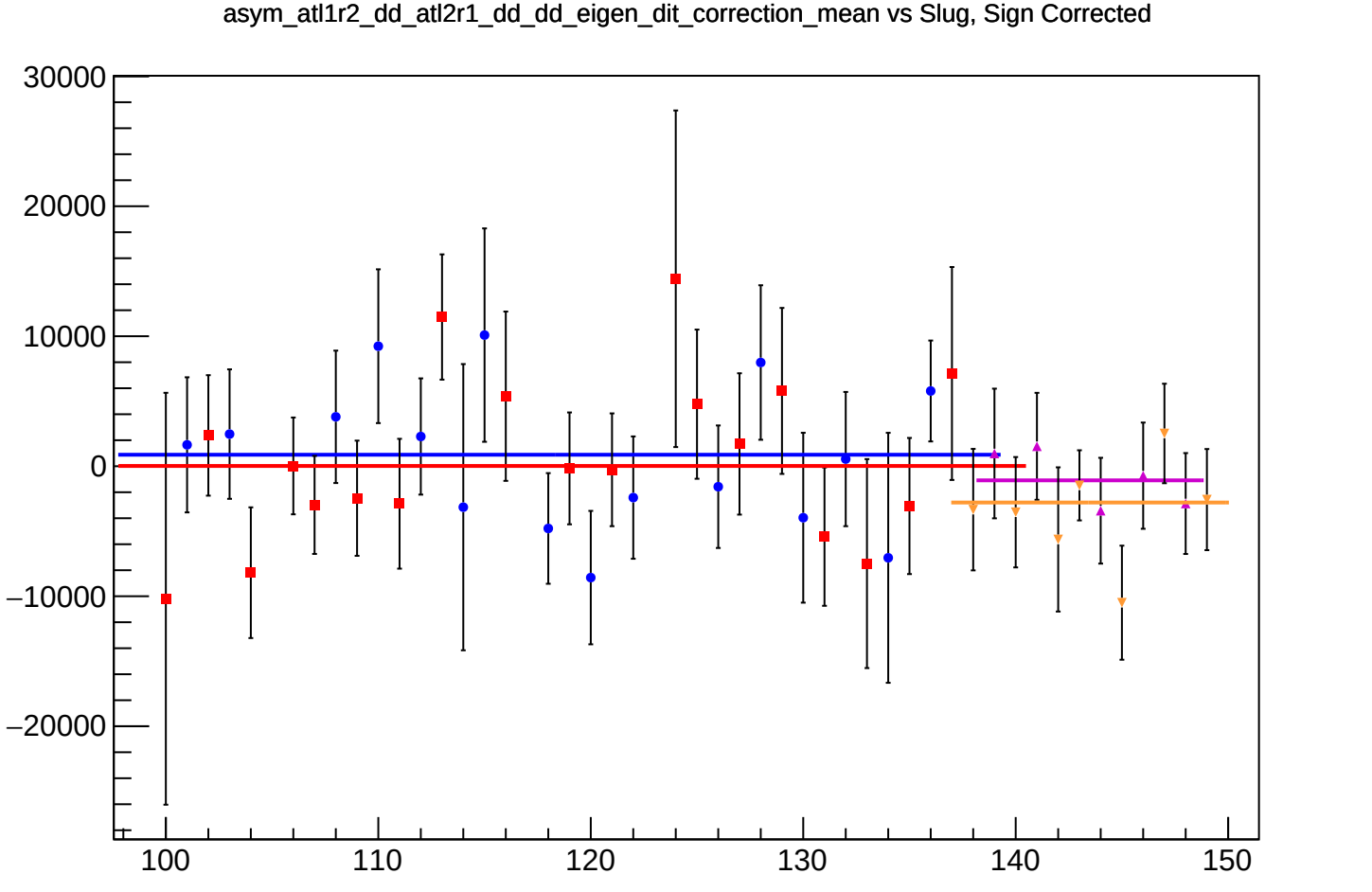
Left: 1289.975+/-0.294 χ^2/NDF: 225443.6/11

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1318.824+/-0.277 χ^2/NDF:529328.1/20

Out: 1277.247+/-0.256 χ^2/NDF:408650.2/25

All: 1296.425+/-0.188 χ^2/NDF: 950109.5/46


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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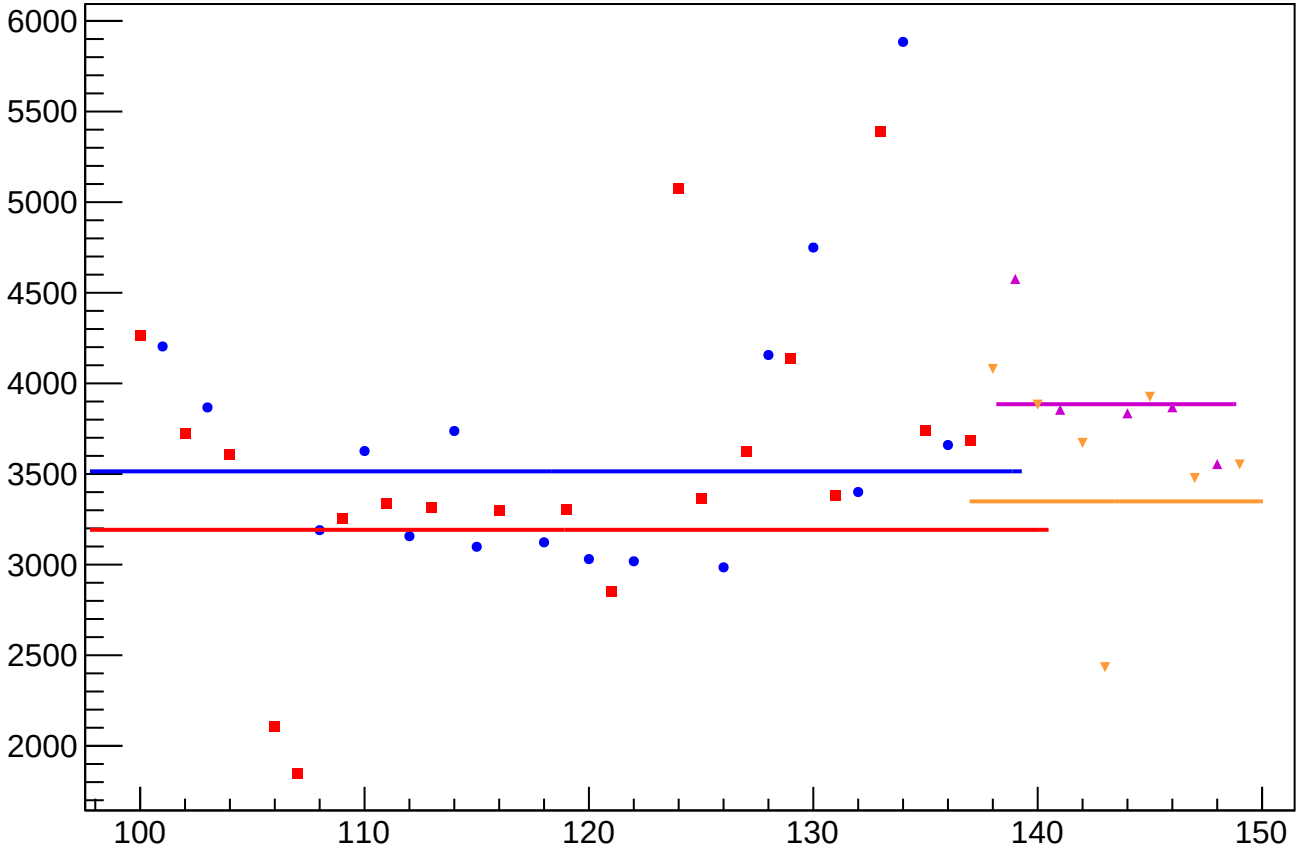
−10000
−20000
100
110
120
130
140
150
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -2791.459+/-1478.287 χ²/NDF:5.6/6
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1086.066+/-1869.915 χ²/NDF:1.1/4
Left: -2135.545+/-1159.667 χ²/NDF: 7.2/11
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 223.924+/-1082.402 χ²/NDF:16.0/20
Out: -1096.331+/-931.684 χ²/NDF:24.6/25
All: -534.451+/-706.125 χ²/NDF: 41.4/46

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: 3349.090+/-1.045 χ^2/NDF:359788.9/6

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3885.204+/-1.322 χ^2/NDF:53360.9/4

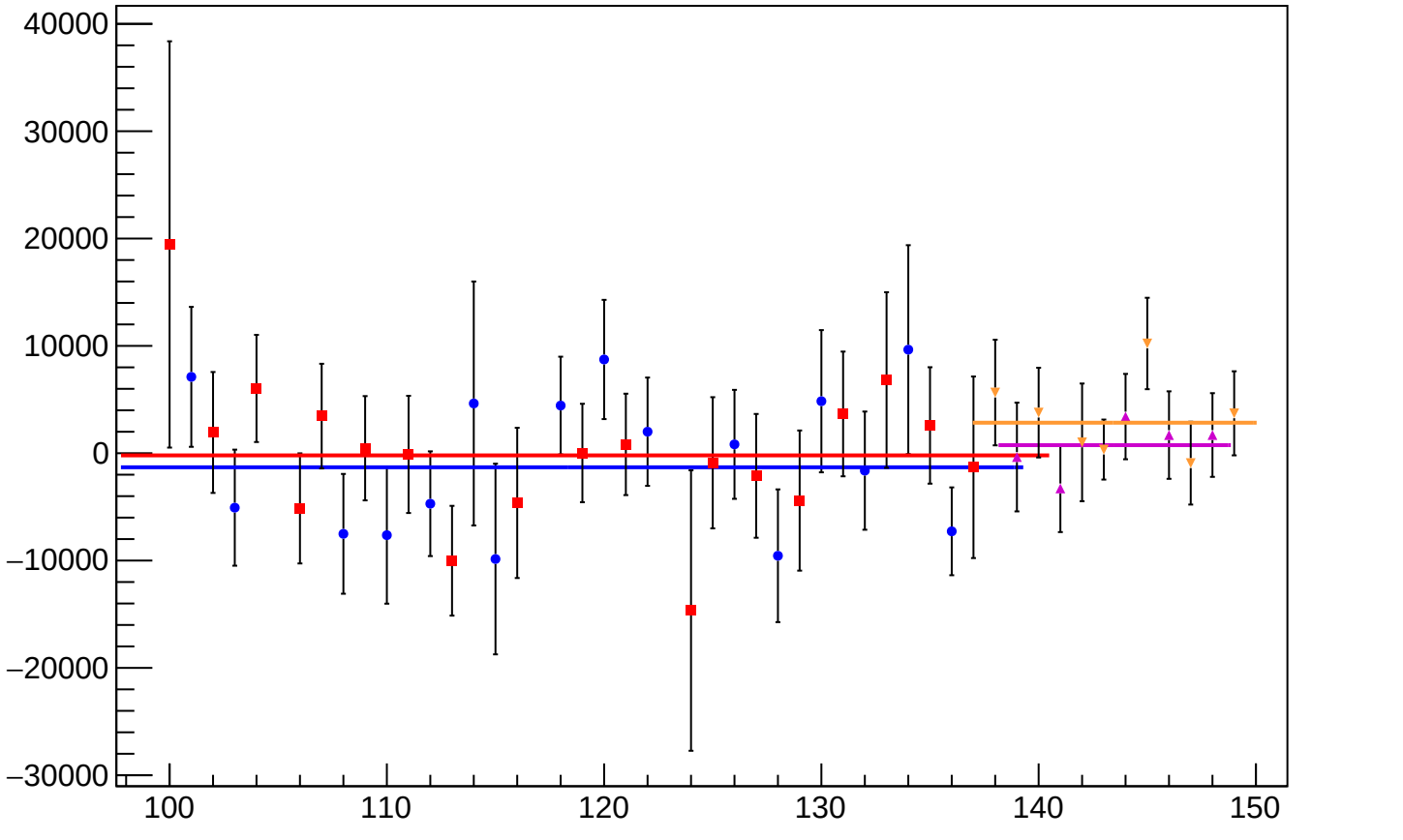
Left: 3555.286+/-0.820 χ^2/NDF: 514319.4/11

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3638.869+/-0.765 χ^2/NDF:480642.9/20

Out: 3254.516+/-0.659 χ^2/NDF:1145866.6/25

All: 3418.090+/-0.499 χ^2/NDF: 1771366.4/46



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2842.696+/-1495.106 χ^2/NDF:5.3/6

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 751.876+/-1861.261 χ^2/NDF:1.6/4

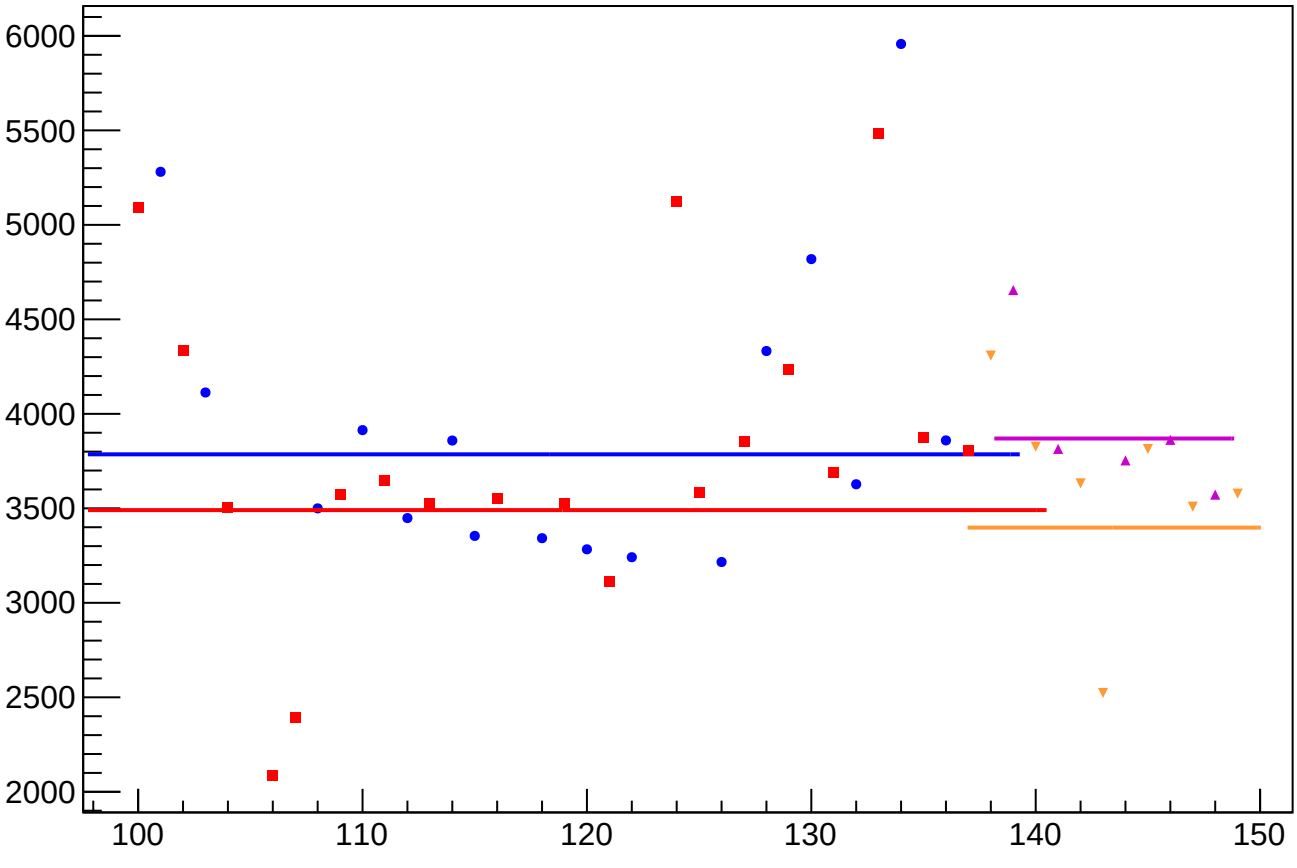
Left: 2022.697+/-1165.616 χ^2/NDF: 7.7/11

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -543.172+/-1134.773 χ^2/NDF:19.9/20

Out: 1150.074+/-996.239 χ^2/NDF:19.2/25

All: 413.063+/-748.662 χ^2/NDF: 40.4/46



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3398.087+/-1.057 χ^2/NDF:314083.3/6

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3869.530+/-1.316 χ^2/NDF:61772.3/4

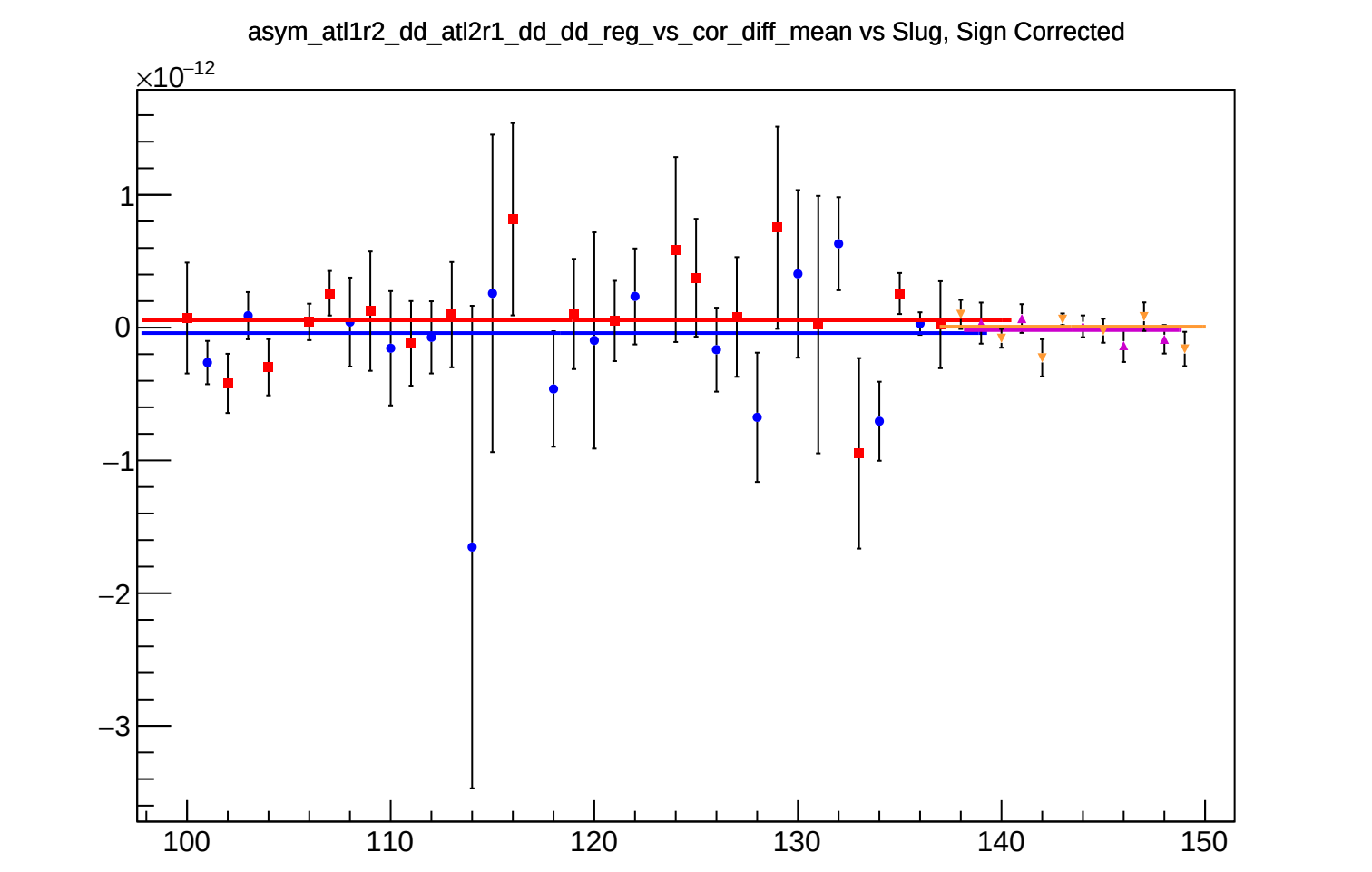
Left: 3582.983+/-0.824 χ^2/NDF: 453846.0/11

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3816.906+/-0.802 χ^2/NDF:447309.8/20

Out: 3450.158+/-0.699 χ^2/NDF:905109.0/25

All: 3608.409+/-0.527 χ^2/NDF: 1471183.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/4

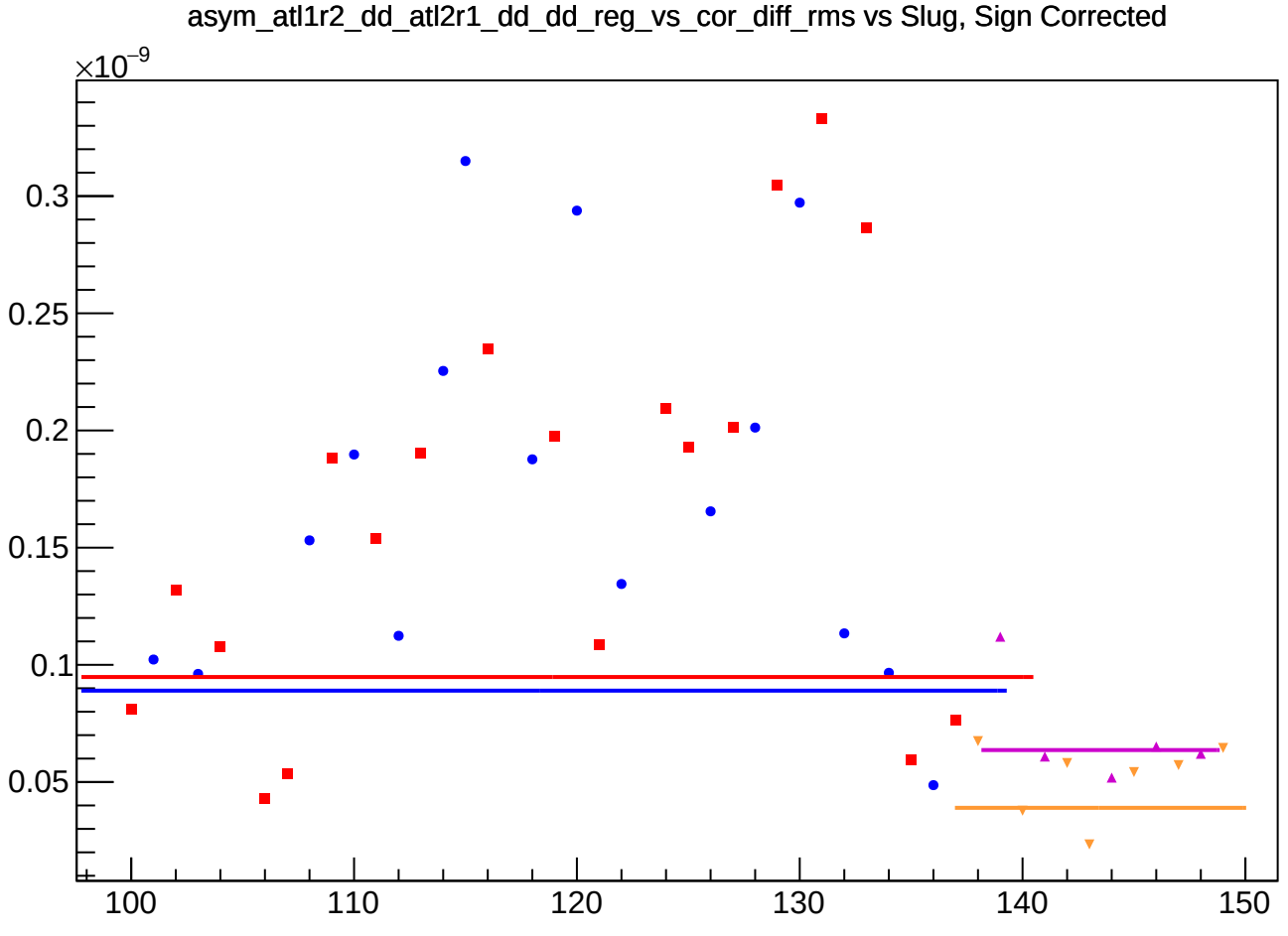
Left: -0.000+/-0.000 χ^2/NDF: 11.3/11

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:25.3/25

All: 0.000+/-0.000 χ^2/NDF: 45.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:618005.8/6

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: 1233032.1/11

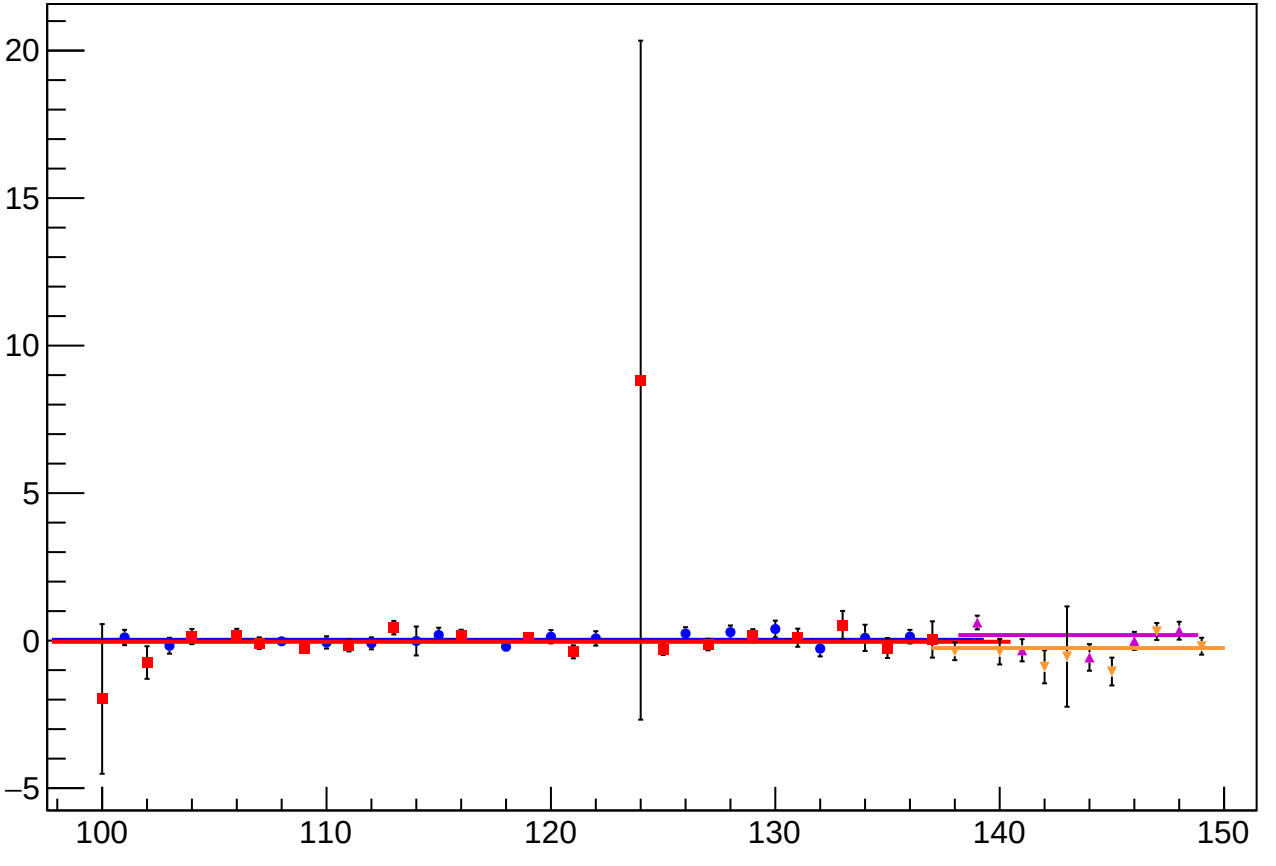
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1920085.4/20

Out: 0.000+/-0.000 χ^2/NDF:3602876.2/25

All: 0.000+/-0.000 χ^2/NDF: 6101862.4/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

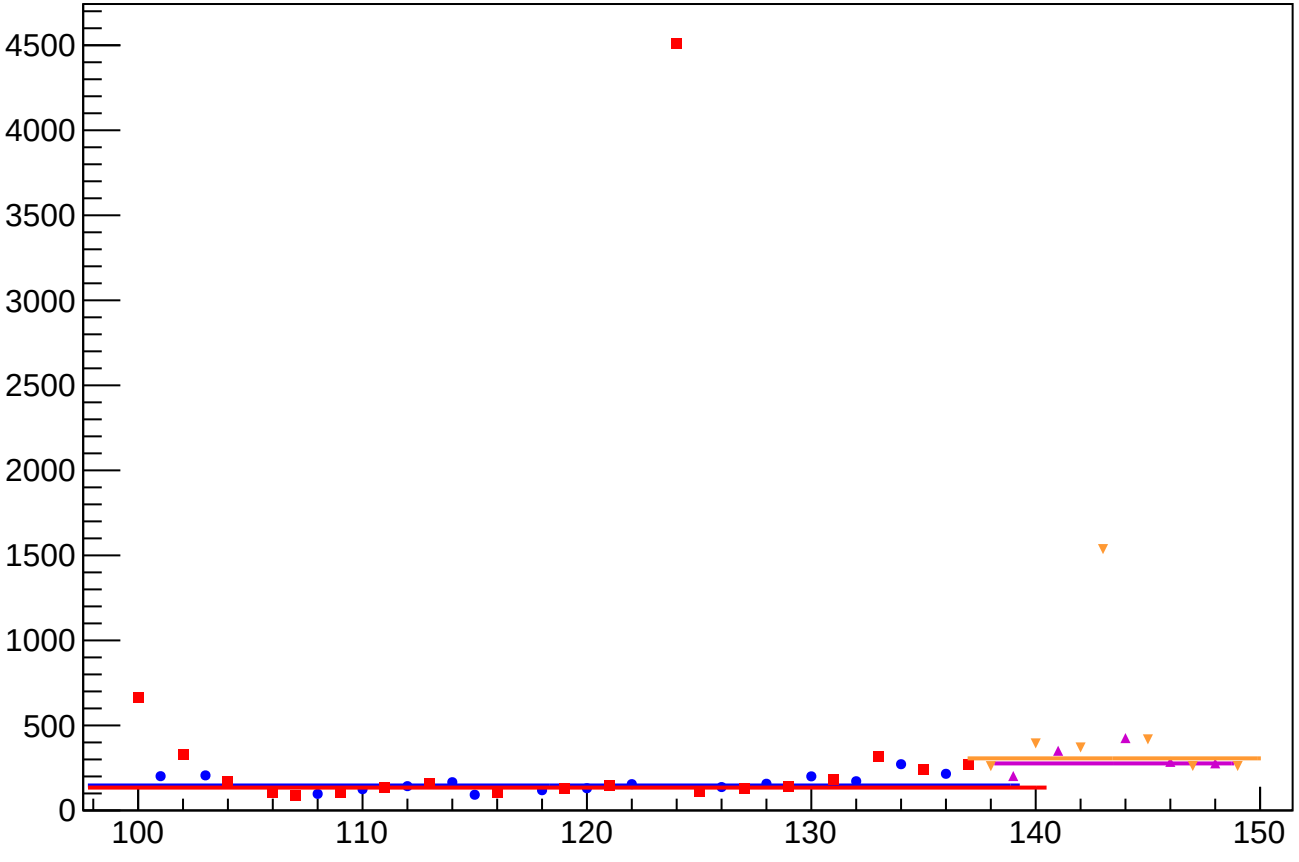
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

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: 290.974+/-0.070 χ^2/NDF: 1958256.3/11

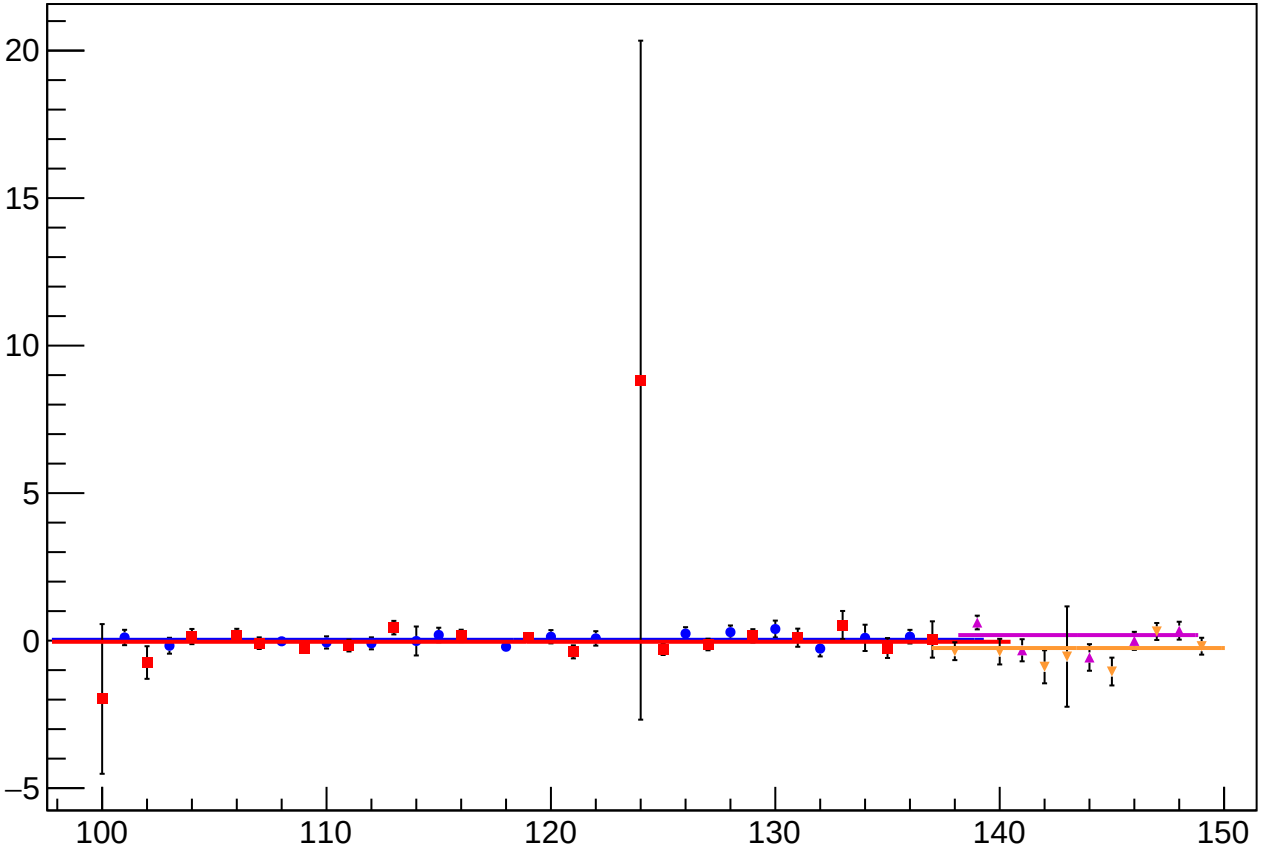
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 156.362+/-0.036 χ^2/NDF:5521893.5/25

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

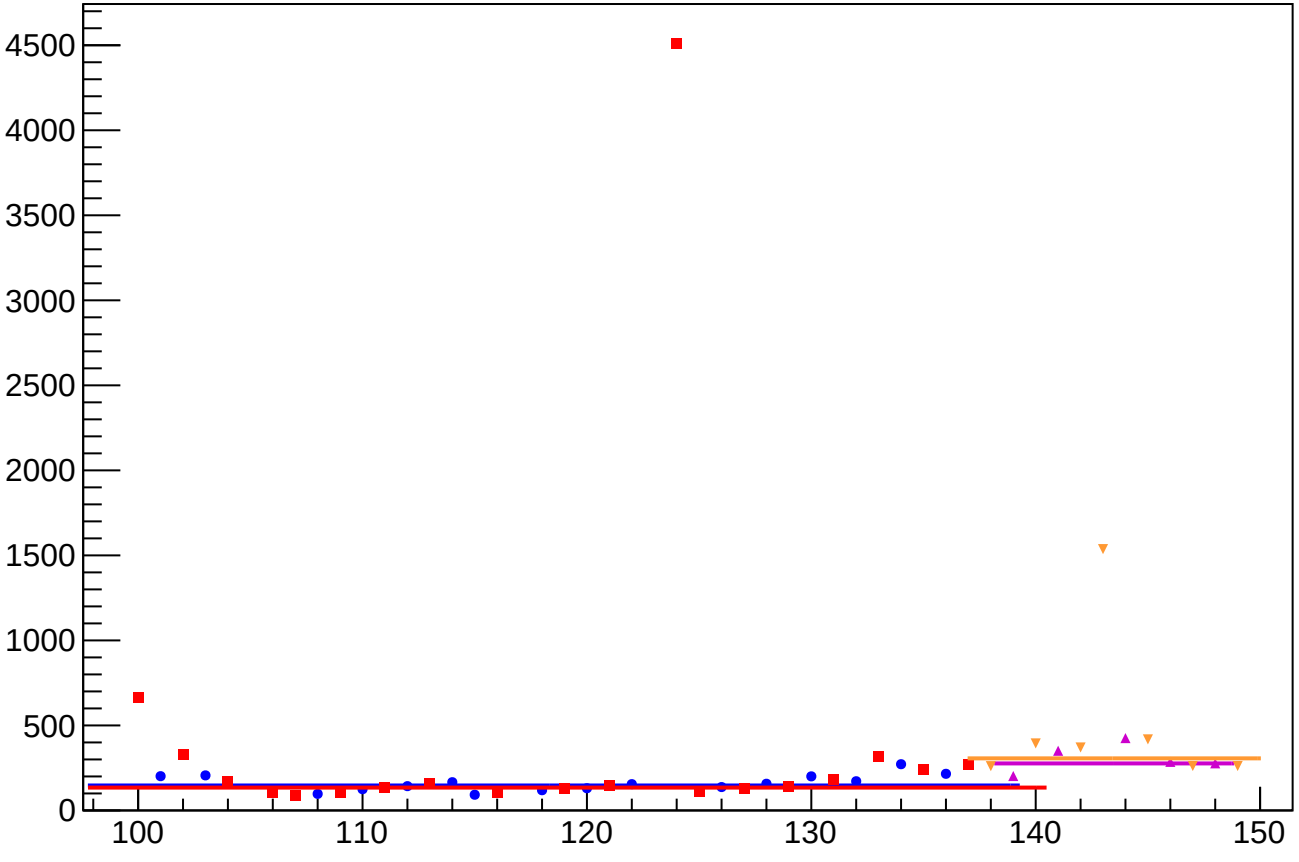
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.381+/-0.101 χ^2/NDF:1411618.1/6

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: 290.974+/-0.070 χ^2/NDF: 1958256.3/11

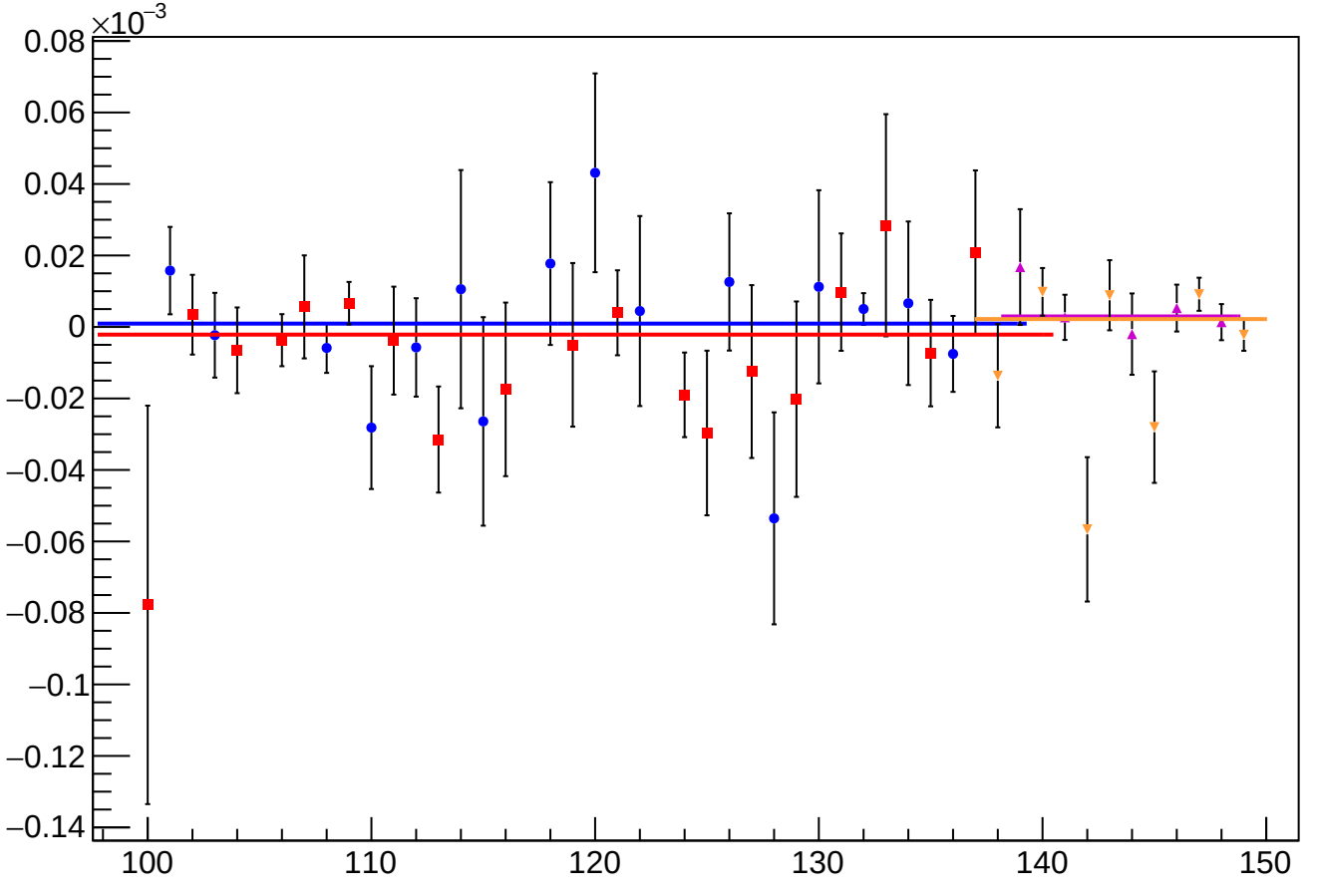
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 166.004+/-0.038 χ^2/NDF:2995610.5/20

Out: 156.362+/-0.036 χ^2/NDF:5521893.5/25

All: 160.990+/-0.026 χ^2/NDF: 8551581.5/46

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/6

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: 19.6/11

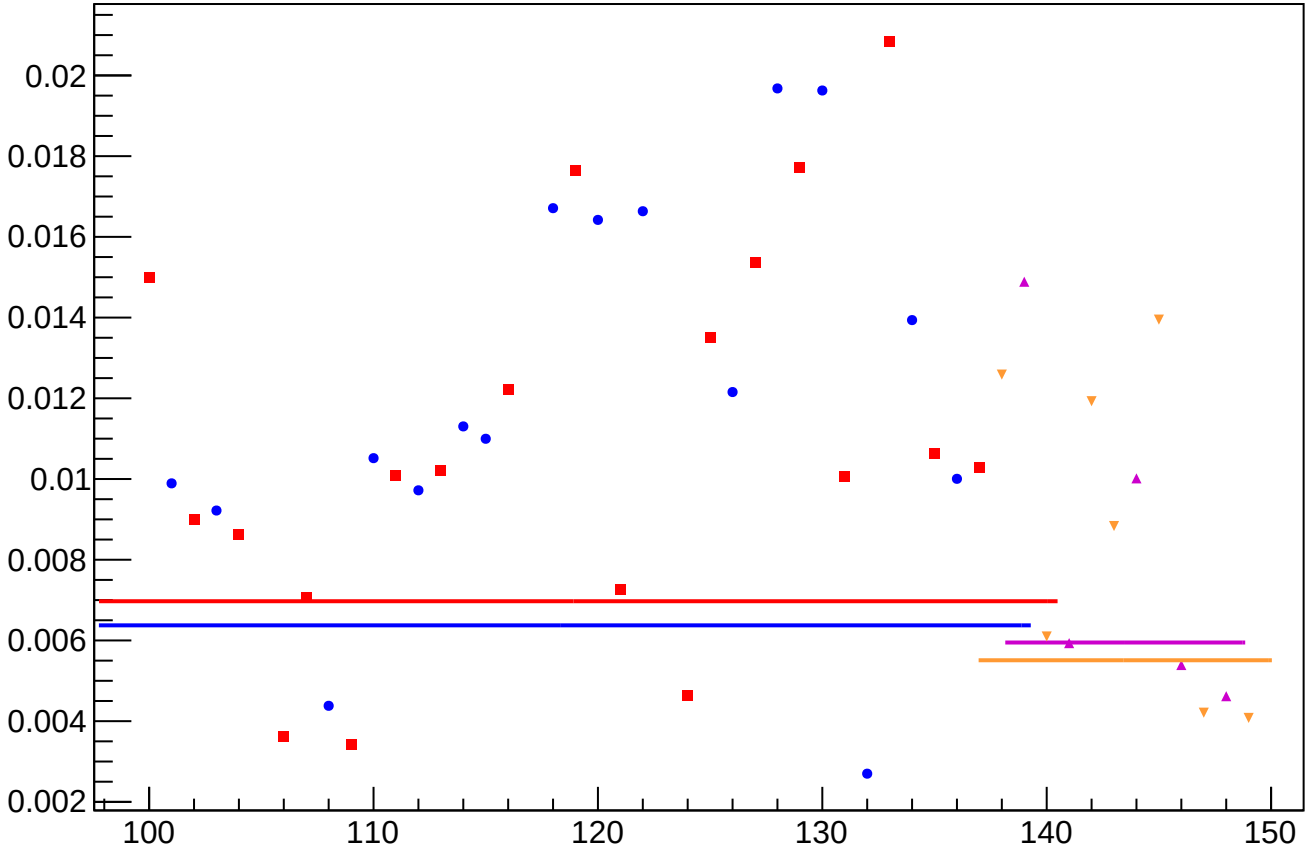
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/20

Out: 0.000+/-0.000 χ^2/NDF:35.6/25

All: 0.000+/-0.000 χ^2/NDF: 52.2/46

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1875056.5/6

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: 2915744.7/11

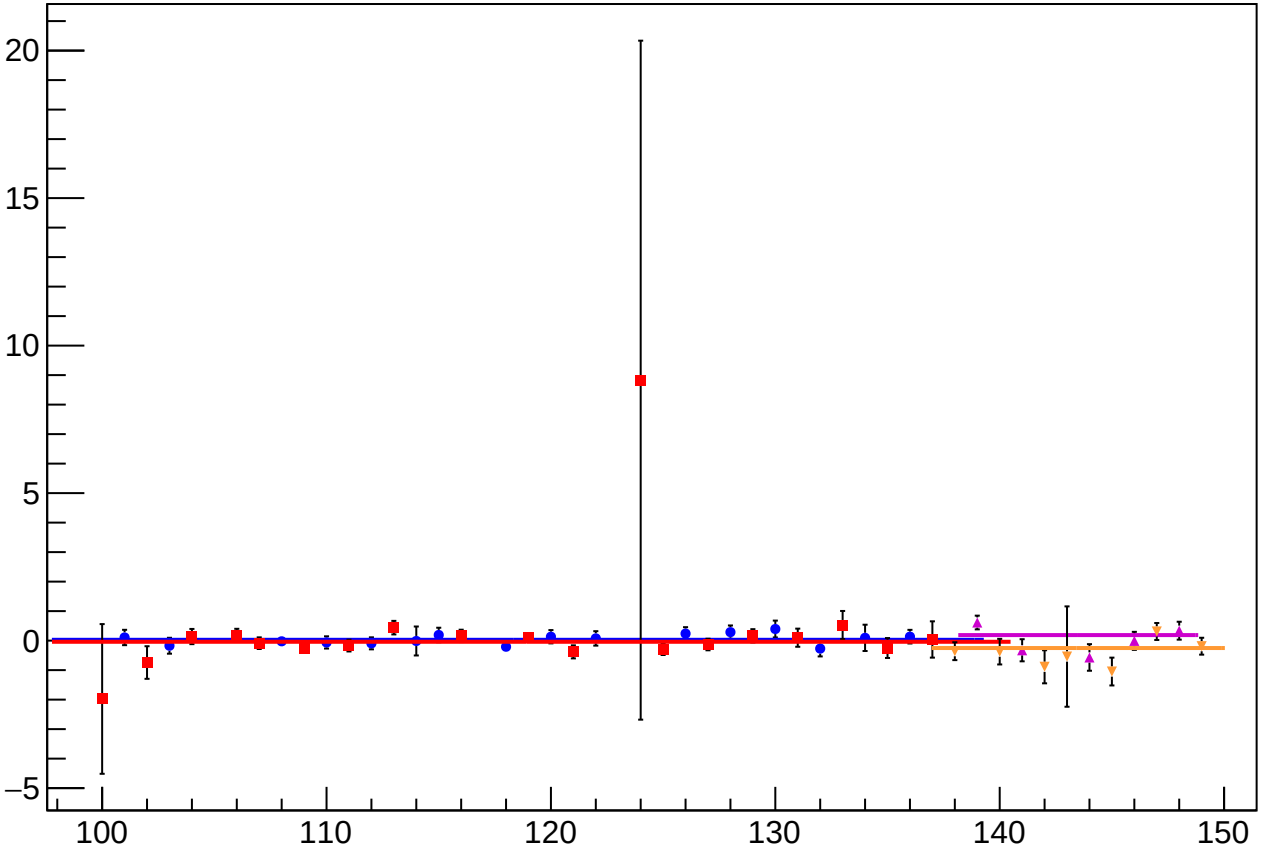
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5677353.4/20

Out: 0.006+/-0.000 χ^2/NDF:5549528.4/25

All: 0.006+/-0.000 χ^2/NDF: 11227072.9/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

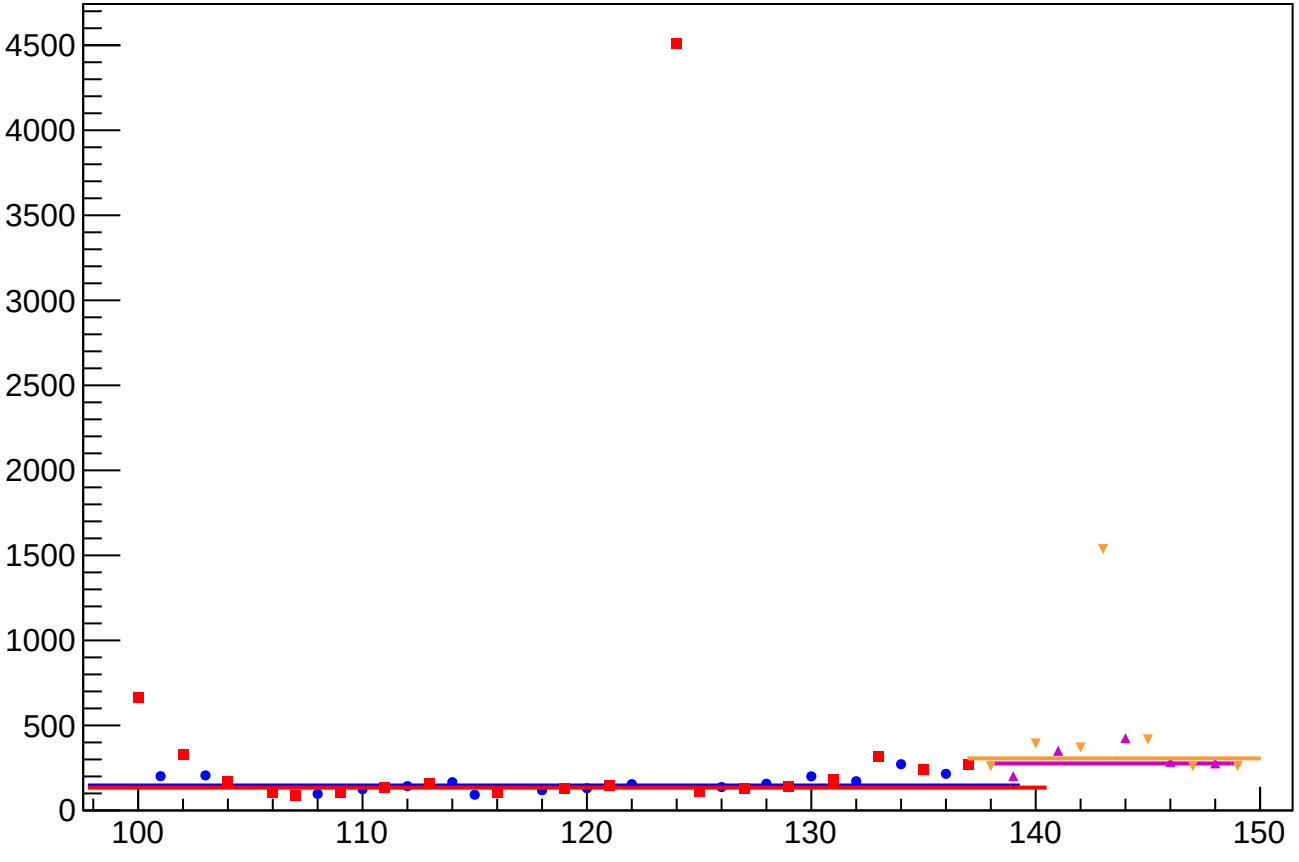
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

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: 290.978+/-0.070 χ^2/NDF: 1958233.2/11

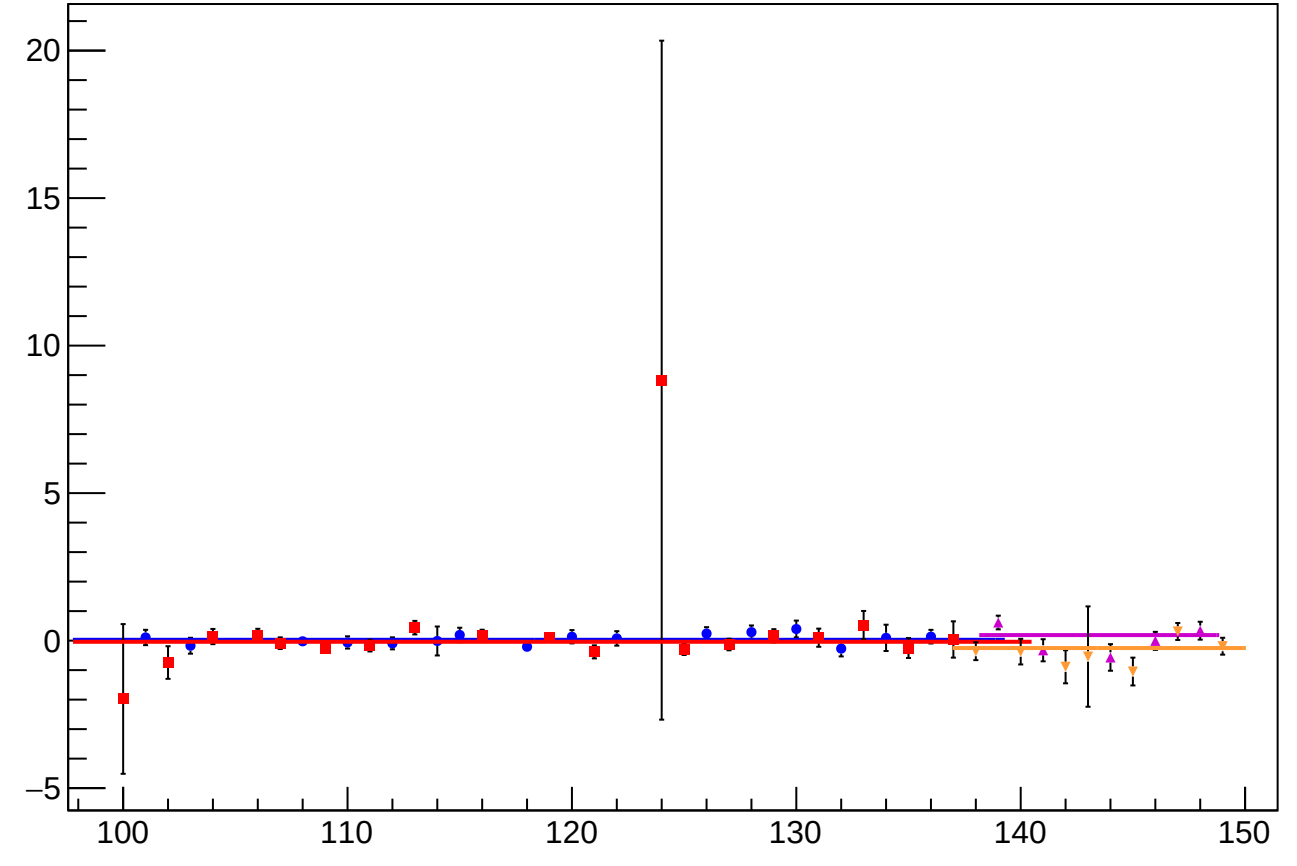
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 156.363+/-0.036 χ^2/NDF:5521828.6/25

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46

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: -0.251+/-0.144 χ^2/NDF:8.2/6

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: -0.024+/-0.100 χ^2/NDF: 21.8/11

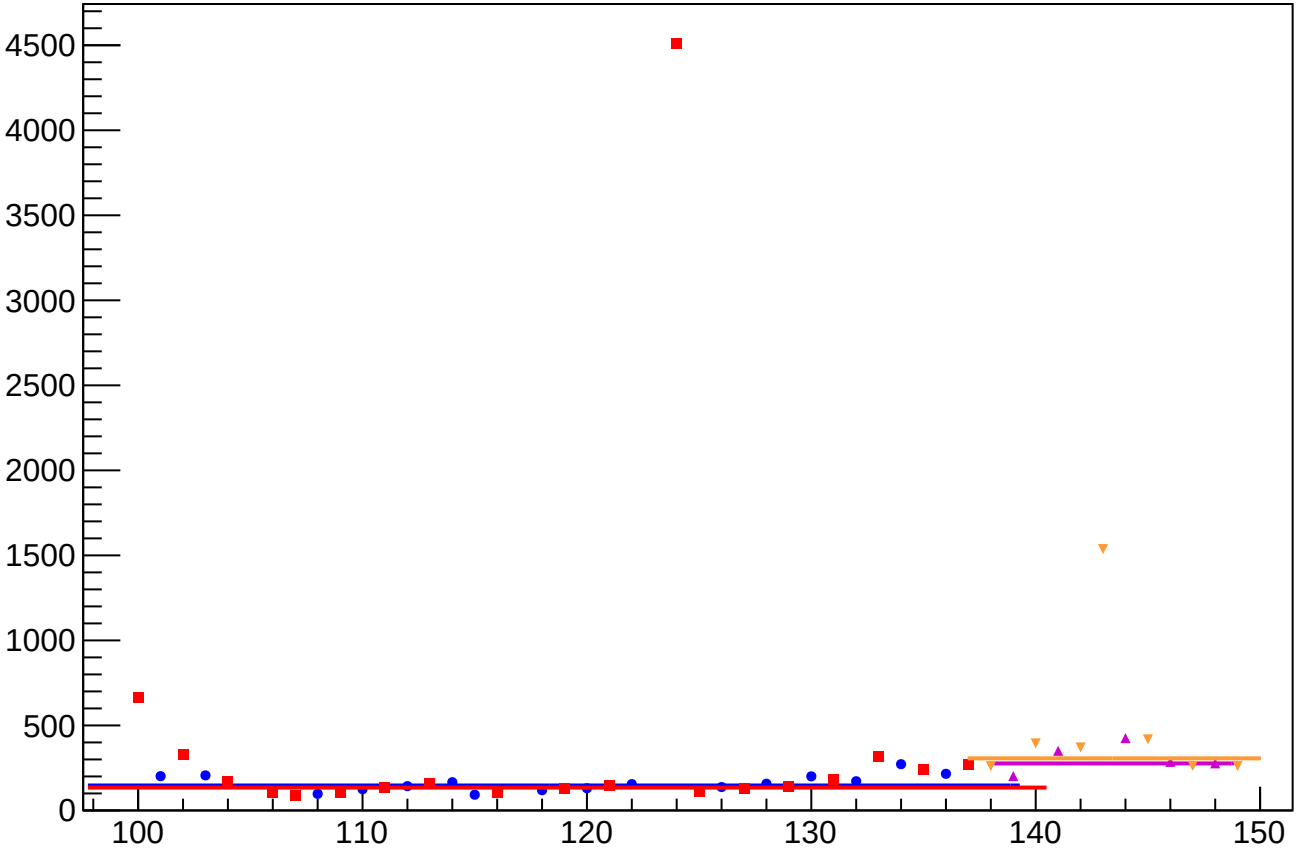
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.051+/-0.053 χ^2/NDF:19.3/20

Out: -0.066+/-0.051 χ^2/NDF:30.1/25

All: -0.010+/-0.037 χ^2/NDF: 52.0/46

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: 306.384+/-0.101 χ^2/NDF:1411616.6/6

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.612+/-0.098 χ^2/NDF:502077.2/4

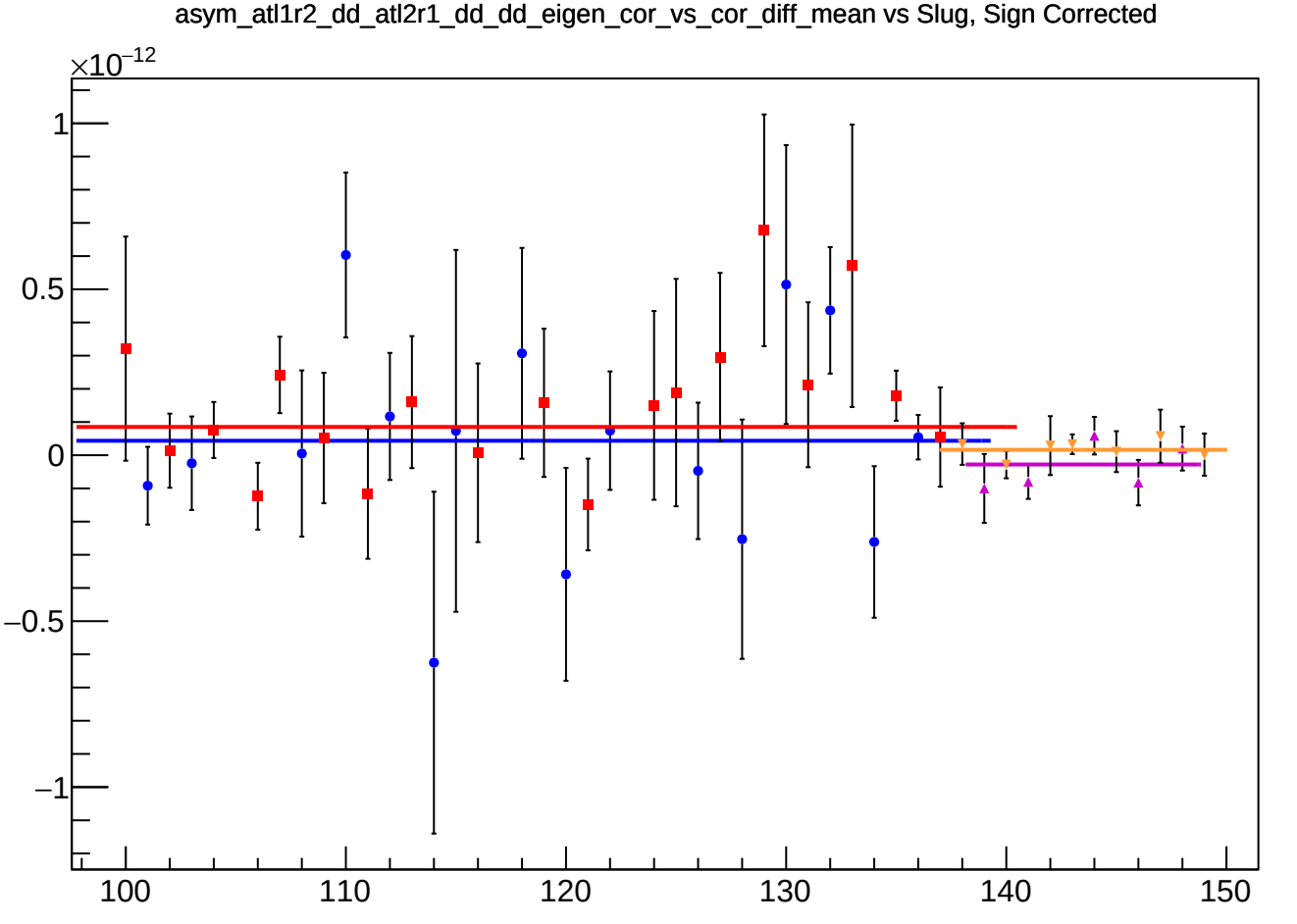
Left: 290.978+/-0.070 χ^2/NDF: 1958233.2/11

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 166.004+/-0.038 χ^2/NDF:2995596.9/20

Out: 156.363+/-0.036 χ^2/NDF:5521828.6/25

All: 160.991+/-0.026 χ^2/NDF: 8551493.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/6

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: 8.6/11

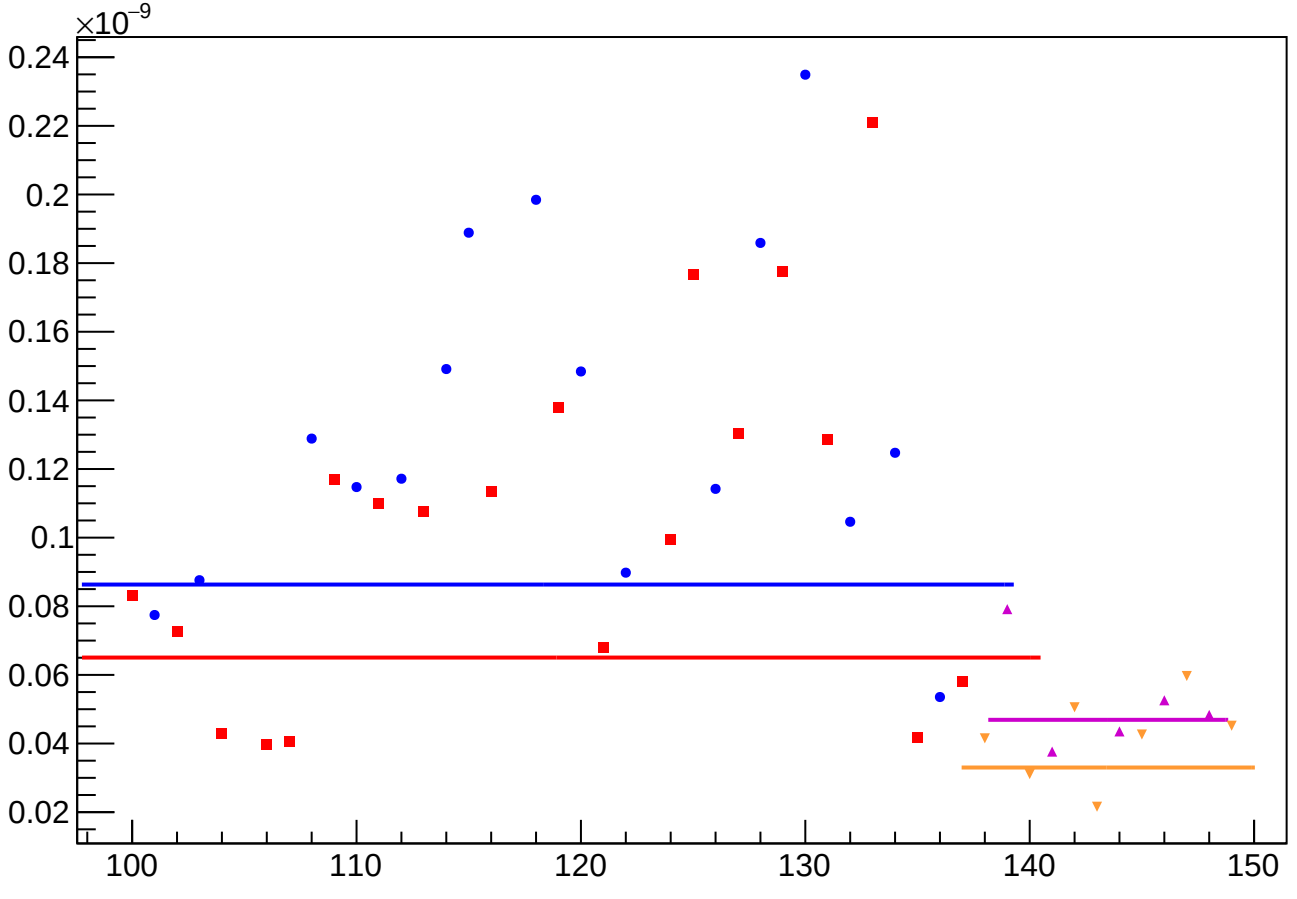
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.9/20

Out: 0.000+/-0.000 χ^2/NDF:23.3/25

All: 0.000+/-0.000 χ^2/NDF: 50.9/46

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:762500.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:279488.6/4

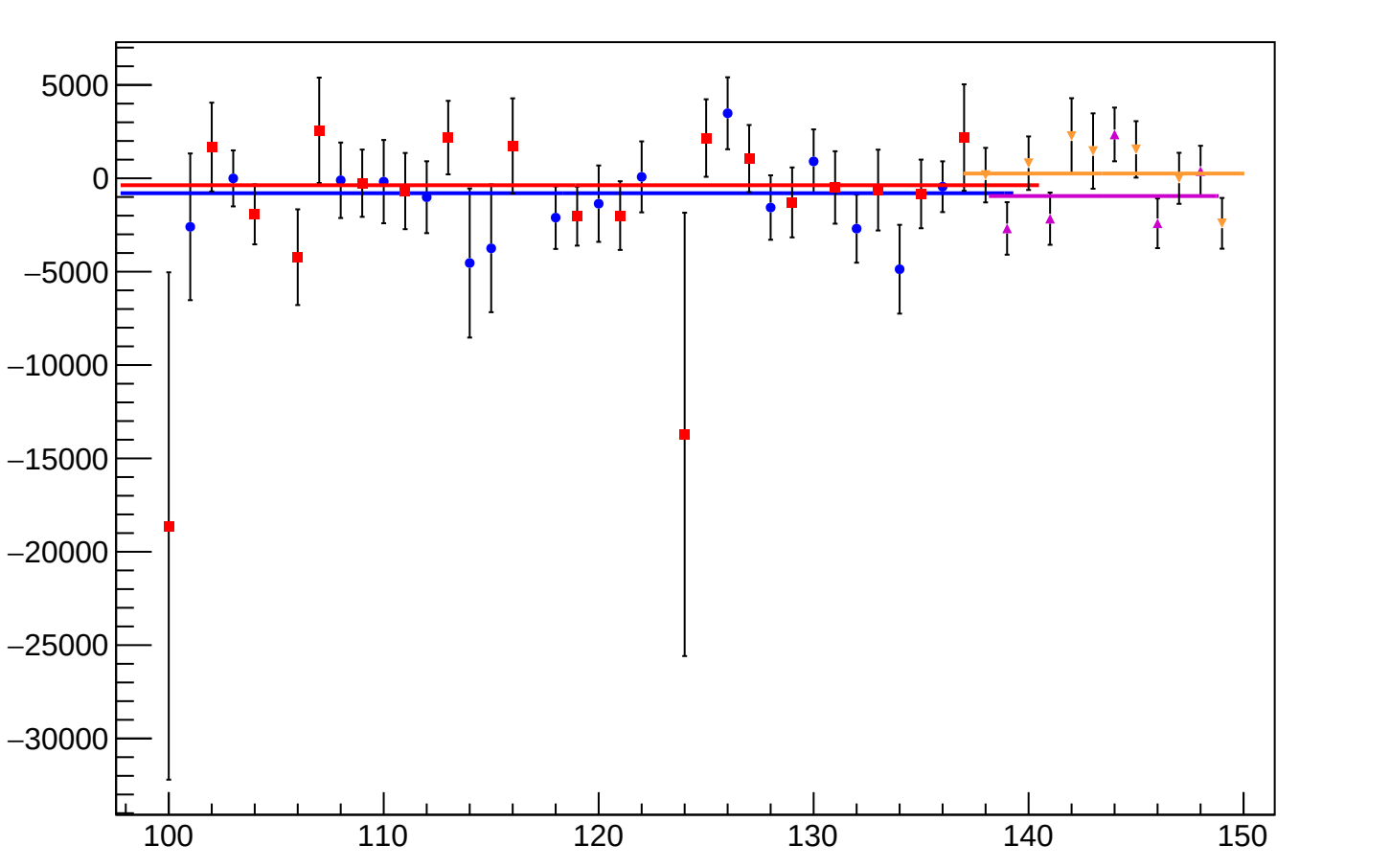
Left: 0.000+/-0.000 χ^2/NDF: 1370136.3/11

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:4262877.3/25

All: 0.000+/-0.000 χ^2/NDF: 8105496.8/46



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 256.028+/-581.380 χ^2/NDF:6.1/6

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -948.937+/-619.013 χ^2/NDF:9.7/4

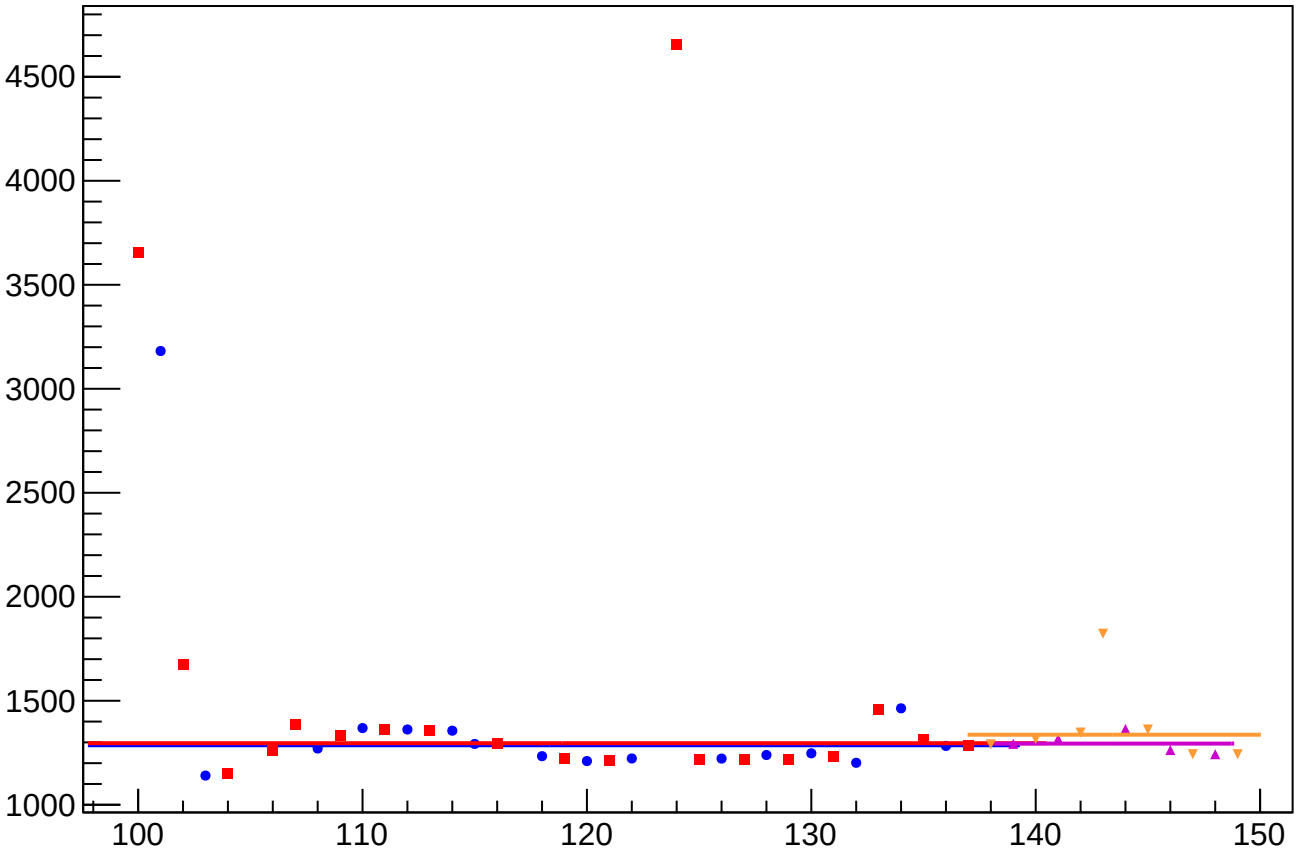
Left: -308.714+/-423.778 χ^2/NDF: 17.8/11

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -855.331+/-382.967 χ^2/NDF:23.2/20

Out: -112.599+/-372.798 χ^2/NDF:22.4/25

All: -473.973+/-267.131 χ^2/NDF: 47.5/46



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1336.831+/-0.411 χ^2/NDF:137890.3/6

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: 1316.780+/-0.300 χ^2/NDF: 152134.6/11

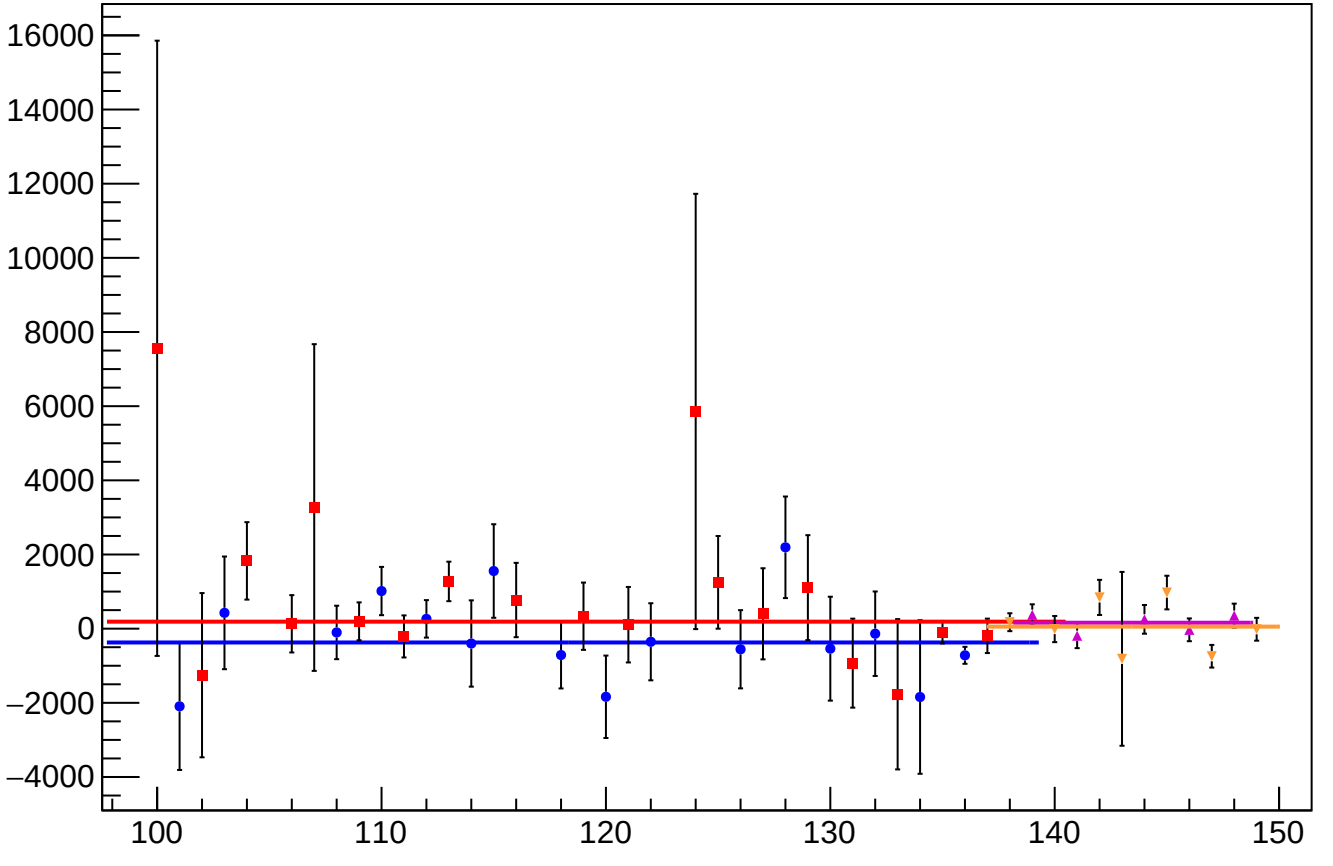
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1289.141+/-0.271 χ^2/NDF:527499.2/20

Out: 1312.755+/-0.264 χ^2/NDF:471785.2/25

All: 1301.266+/-0.189 χ^2/NDF: 1003188.7/46

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: 55.253+/-133.653 χ^2/NDF:14.2/6

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: 103.841+/-97.939 χ^2/NDF: 16.9/11

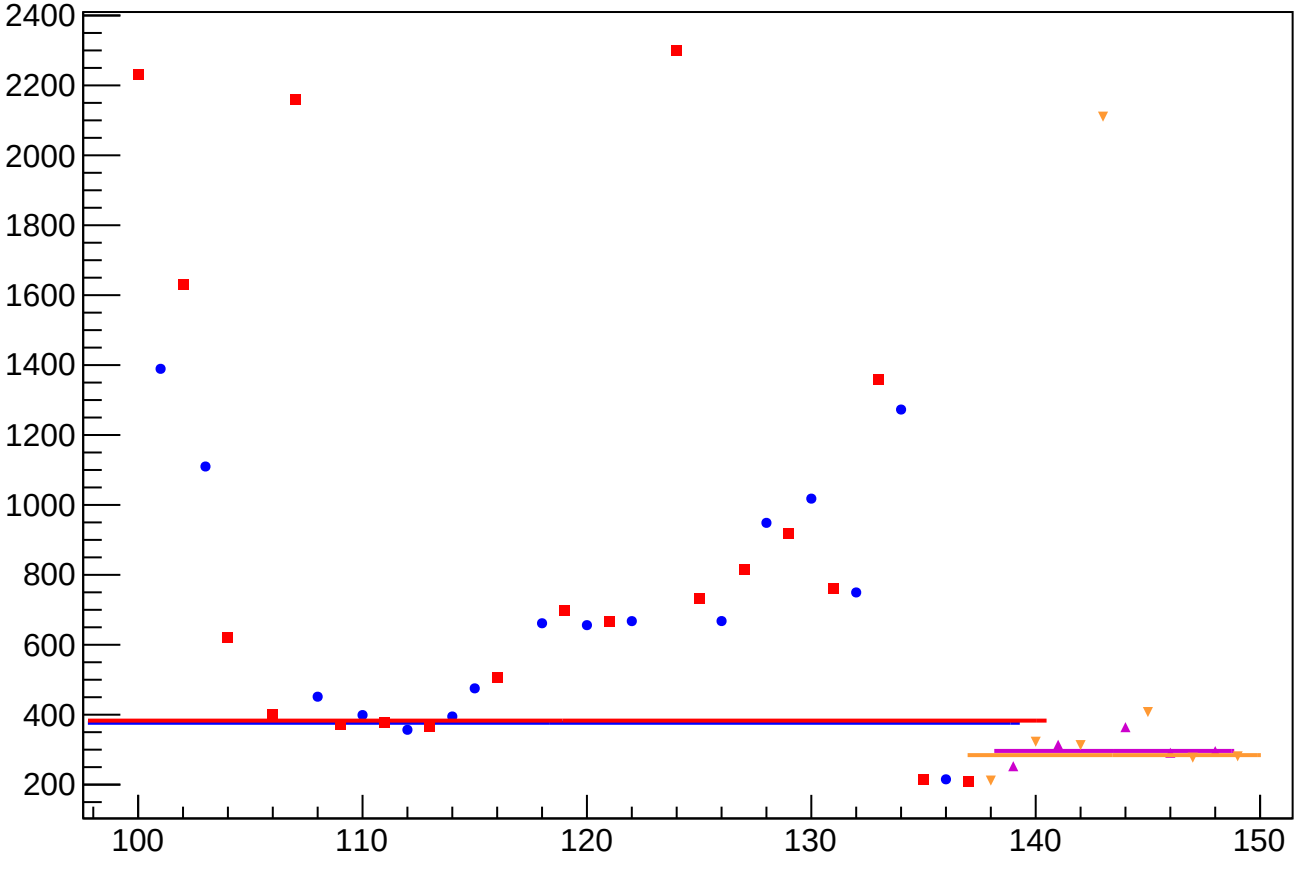
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -64.904+/-109.358 χ^2/NDF:26.4/20

Out: 106.480+/-104.969 χ^2/NDF:29.2/25

All: 24.296+/-75.728 χ^2/NDF: 56.9/46

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: 284.379+/-0.095 χ^2/NDF:1575530.1/6

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.400+/-0.102 χ^2/NDF:115773.0/4

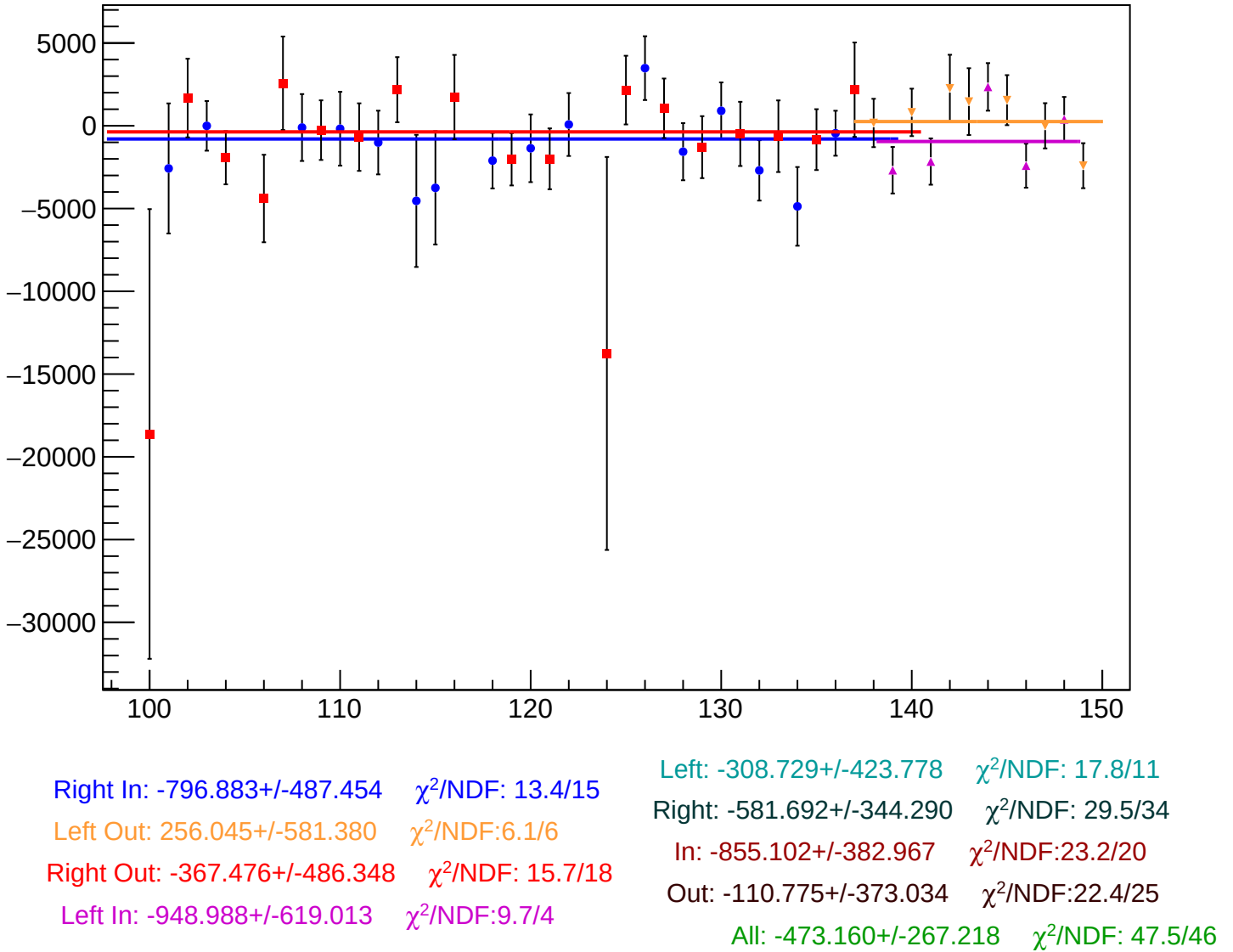
Left: 289.945+/-0.069 χ^2/NDF: 1698794.3/11

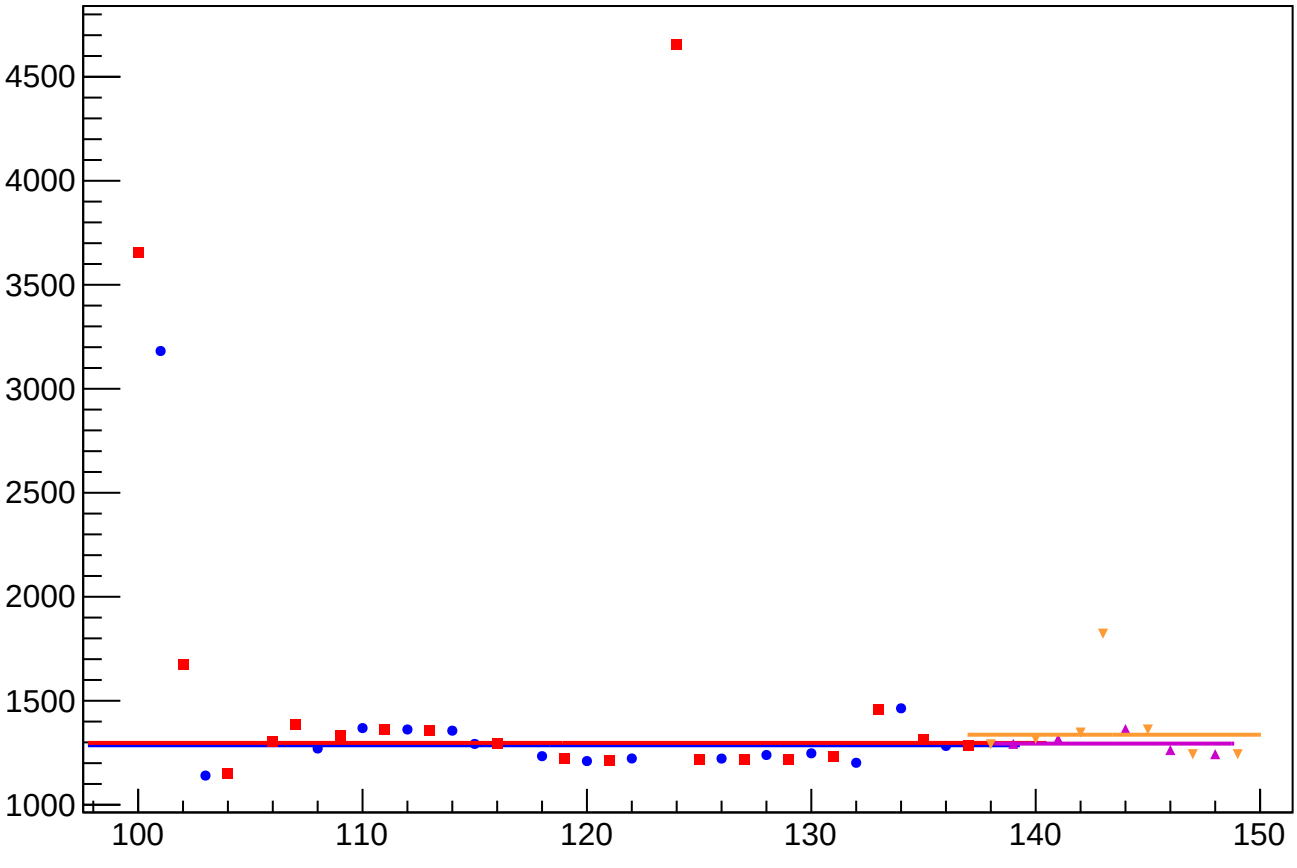
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 330.424+/-0.077 χ^2/NDF:4570379.0/20

Out: 322.196+/-0.074 χ^2/NDF:6047537.6/25

All: 326.142+/-0.054 χ^2/NDF: 10623808.5/46


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: 256.045+/-581.380 χ²/NDF:6.1/6
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -308.729+/-423.778 χ²/NDF: 17.8/11
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: -110.775+/-373.034 χ²/NDF:22.4/25
All: -473.160+/-267.218 χ²/NDF: 47.5/46



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1336.831+/-0.411 χ^2/NDF:137890.3/6

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: 1316.780+/-0.300 χ^2/NDF: 152134.6/11

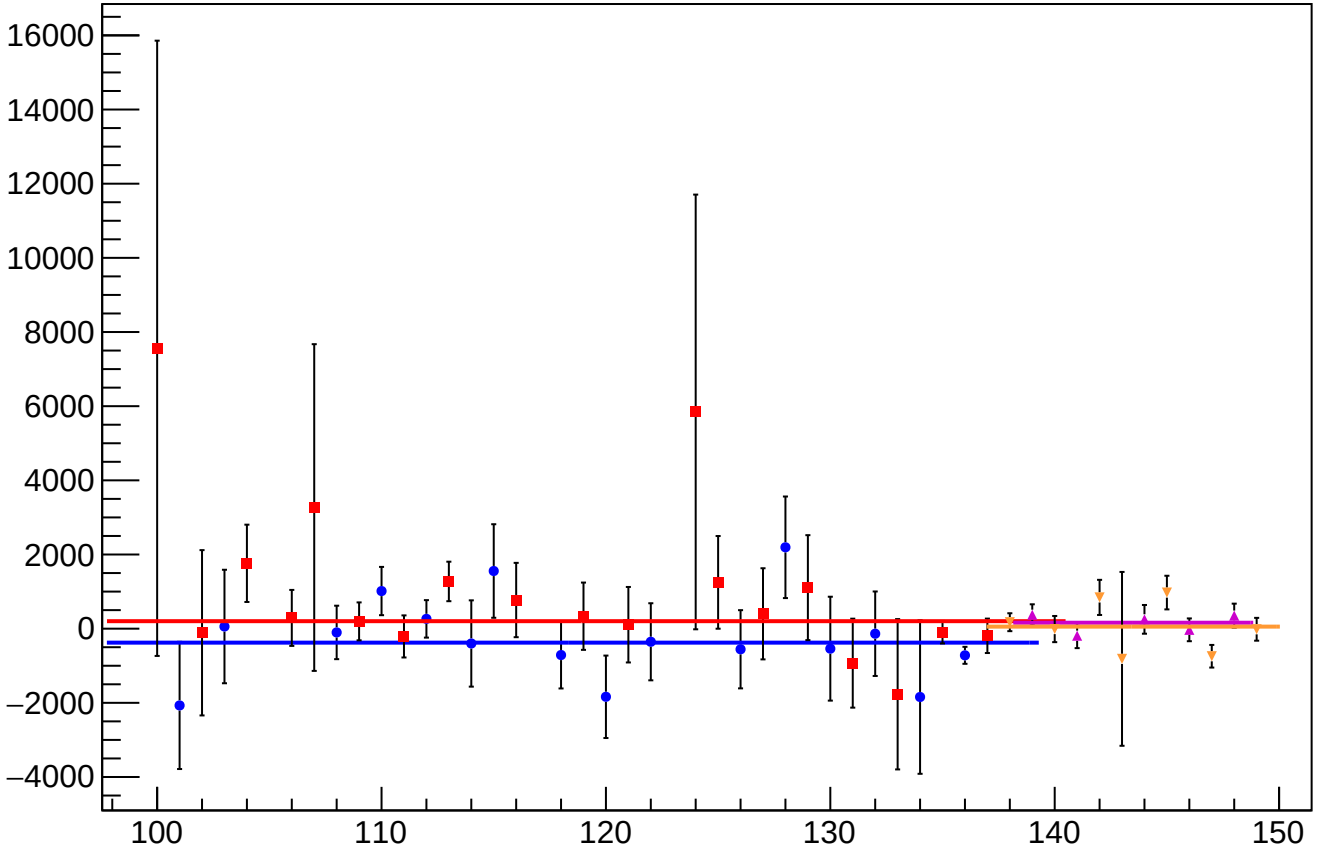
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1313.630+/-0.264 χ^2/NDF:471046.1/25

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

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: 55.218+/-133.658 χ^2/NDF:14.2/6

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: 103.868+/-97.940 χ^2/NDF: 16.9/11

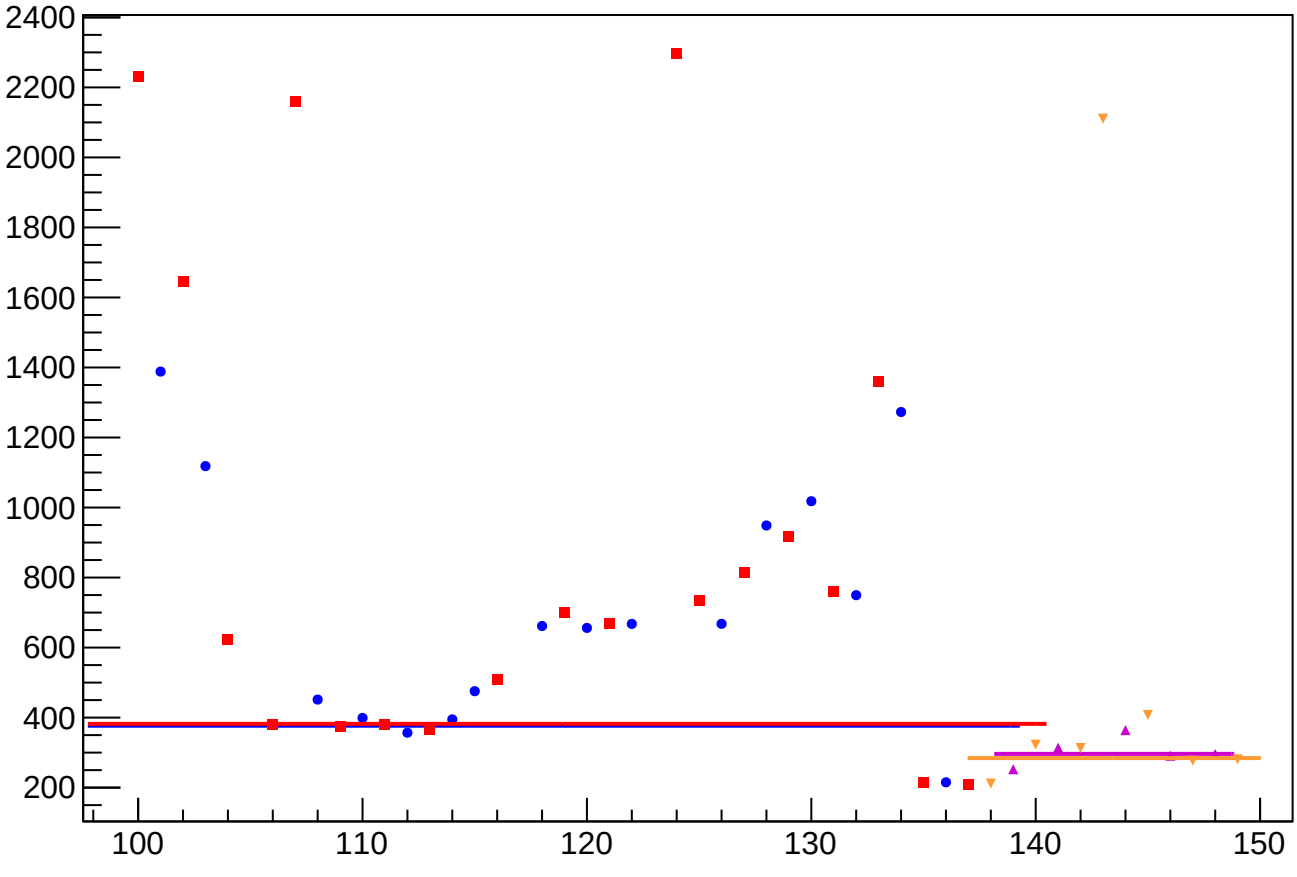
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 111.600+/-104.924 χ^2/NDF:28.7/25

All: 26.143+/-75.713 χ^2/NDF: 56.4/46

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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

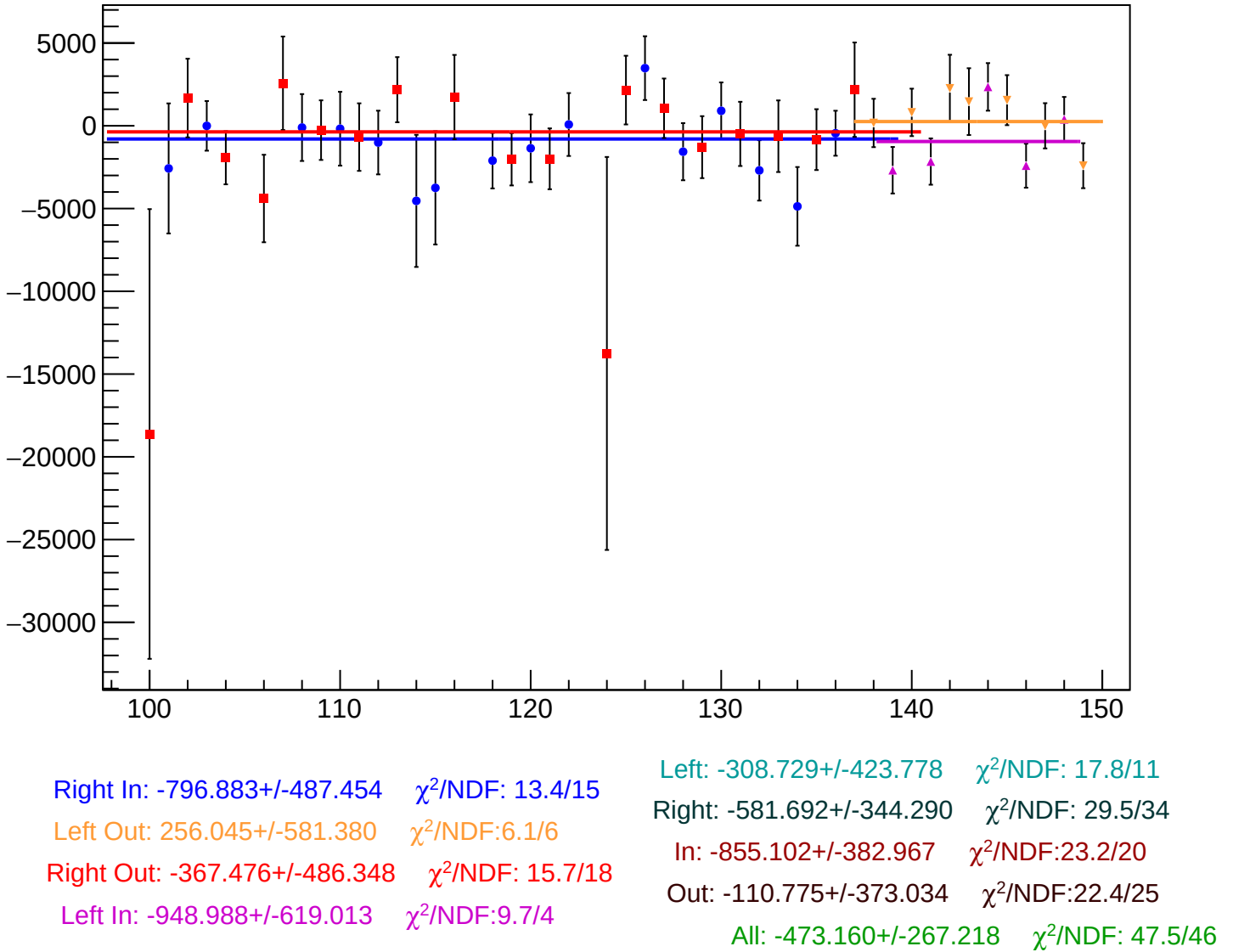
Left: 289.951+/-0.069 χ^2/NDF: 1698767.4/11

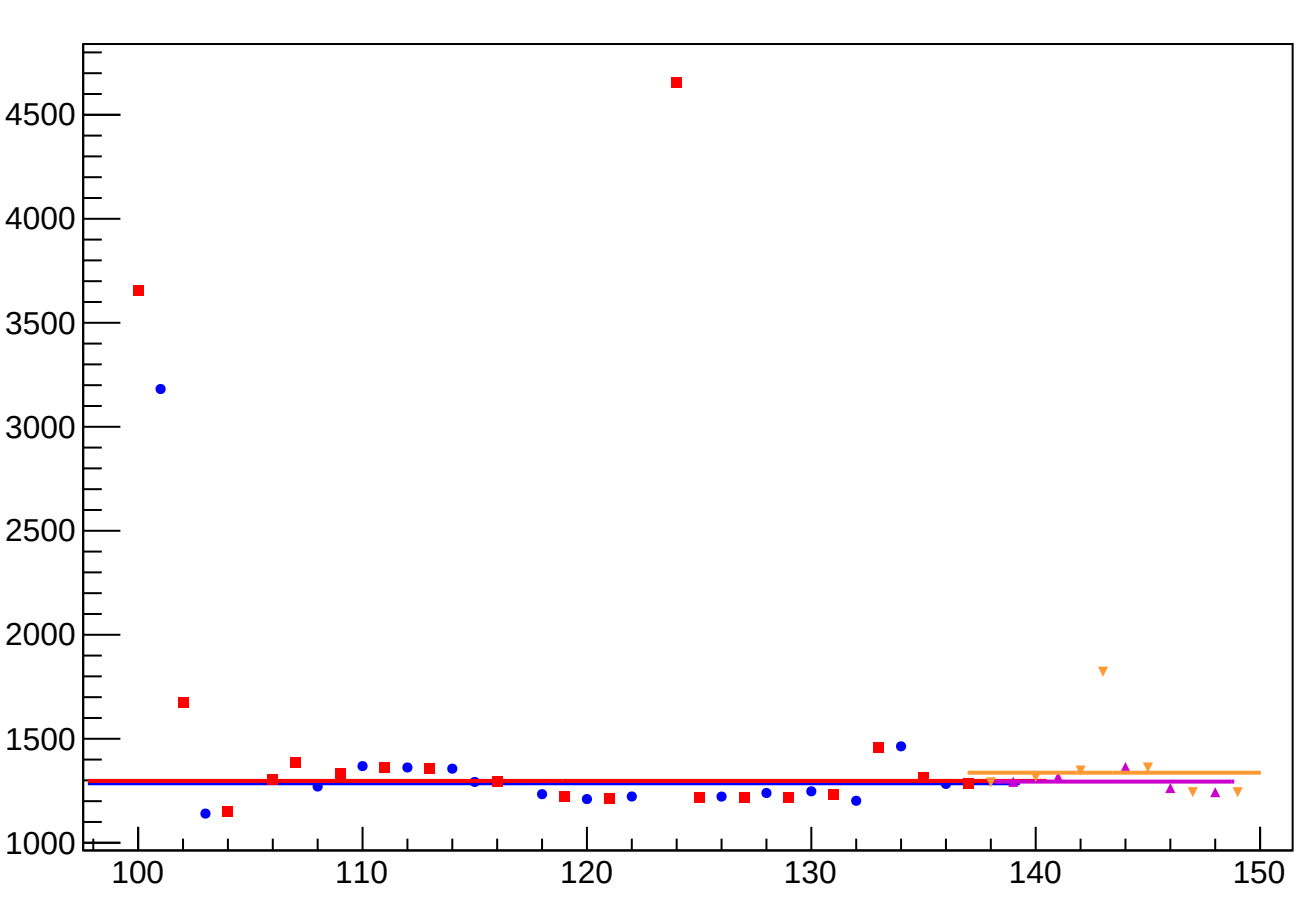
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 321.899+/-0.074 χ^2/NDF:6045606.2/25

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46


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: 256.045+/-581.380 χ²/NDF:6.1/6
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -948.988+/-619.013 χ²/NDF:9.7/4
Left: -308.729+/-423.778 χ²/NDF: 17.8/11
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -855.102+/-382.967 χ²/NDF:23.2/20
Out: -110.775+/-373.034 χ²/NDF:22.4/25
All: -473.160+/-267.218 χ²/NDF: 47.5/46



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1336.831+/-0.411 χ^2/NDF:137890.3/6

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: 1316.780+/-0.300 χ^2/NDF: 152134.6/11

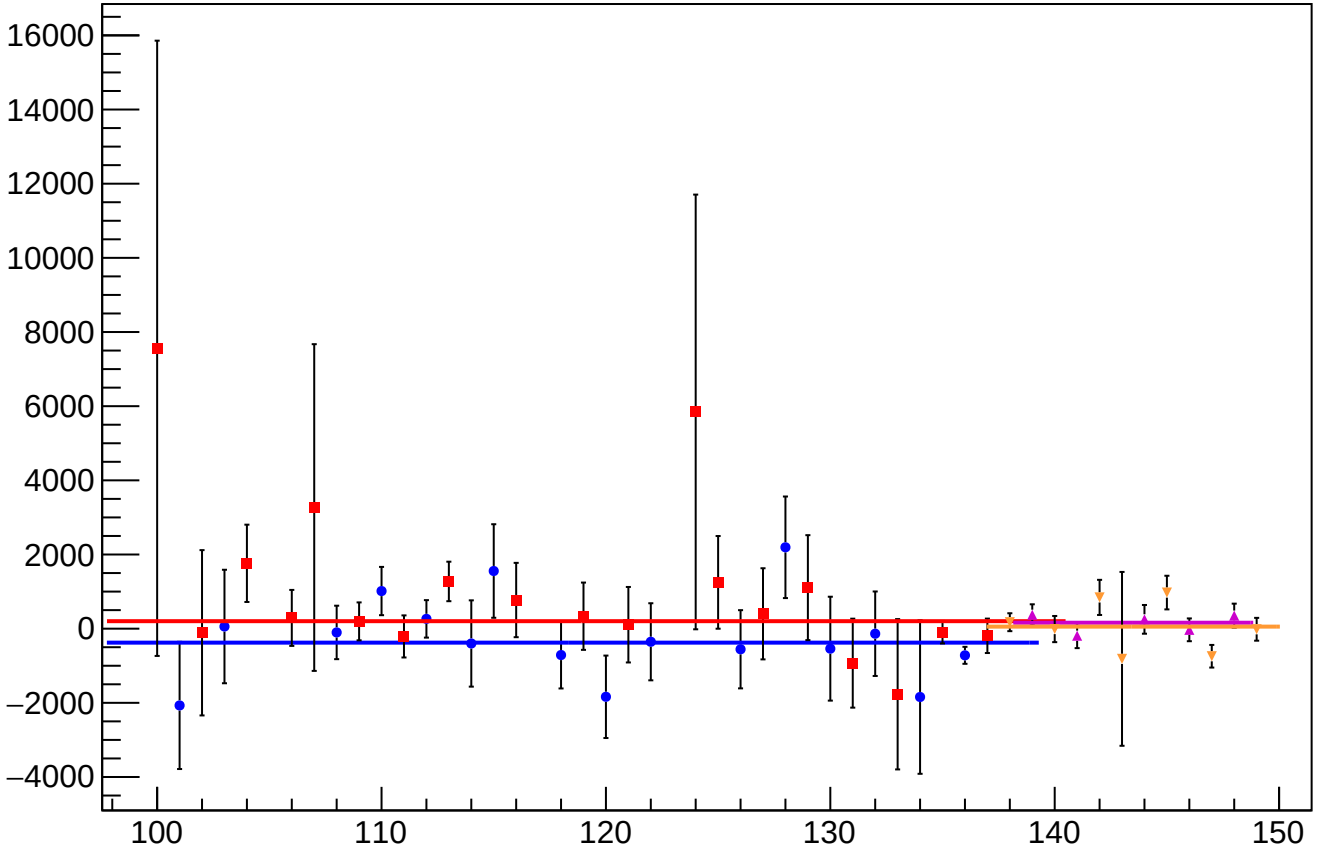
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1289.141+/-0.271 χ^2/NDF:527500.7/20

Out: 1313.630+/-0.264 χ^2/NDF:471046.1/25

All: 1301.707+/-0.189 χ^2/NDF: 1002743.2/46

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: 55.218+/-133.658 χ^2/NDF:14.2/6

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: 103.868+/-97.940 χ^2/NDF: 16.9/11

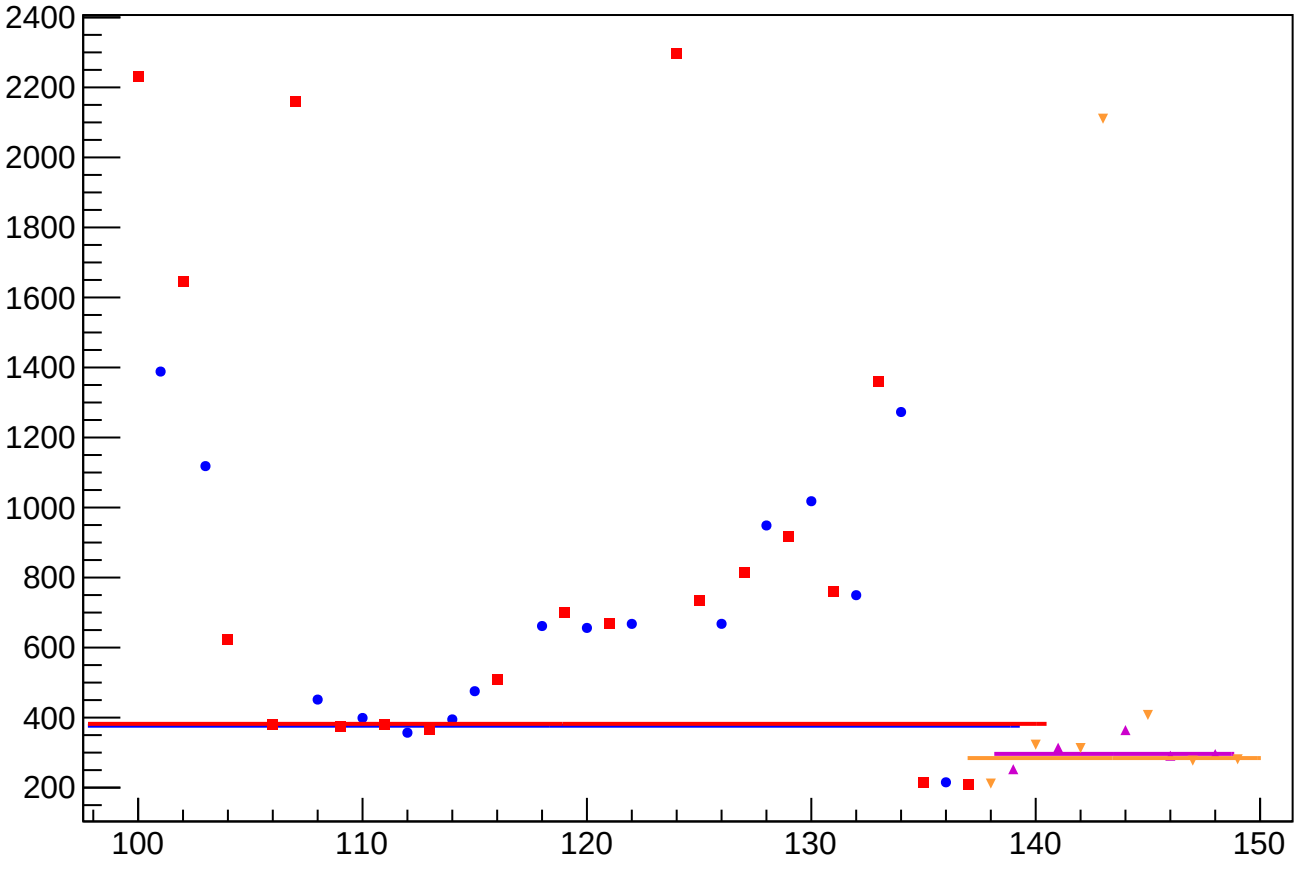
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -66.697+/-109.363 χ^2/NDF:26.3/20

Out: 111.600+/-104.924 χ^2/NDF:28.7/25

All: 26.143+/-75.713 χ^2/NDF: 56.4/46

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: 284.390+/-0.095 χ^2/NDF:1575536.7/6

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.399+/-0.102 χ^2/NDF:115754.4/4

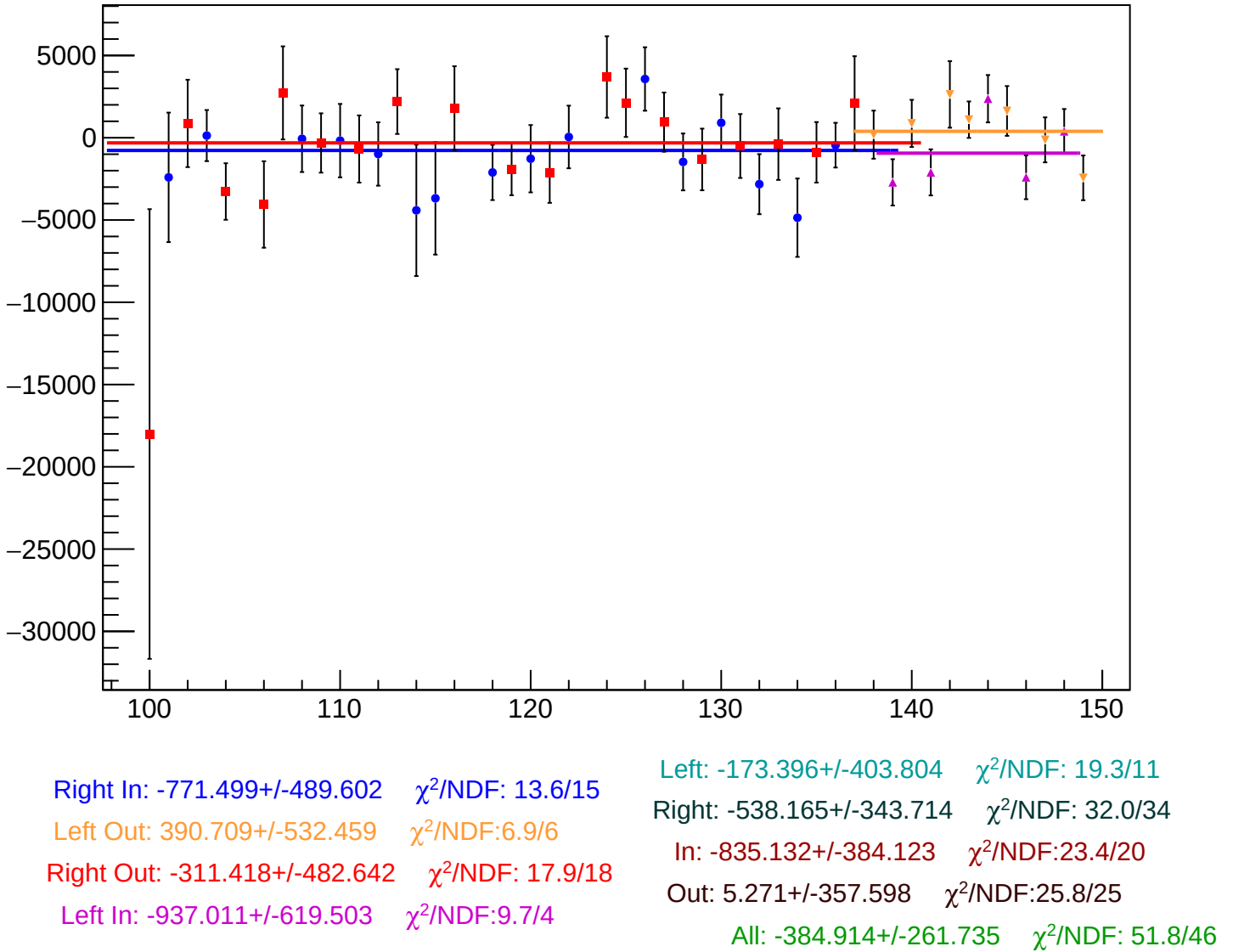
Left: 289.951+/-0.069 χ^2/NDF: 1698767.4/11

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

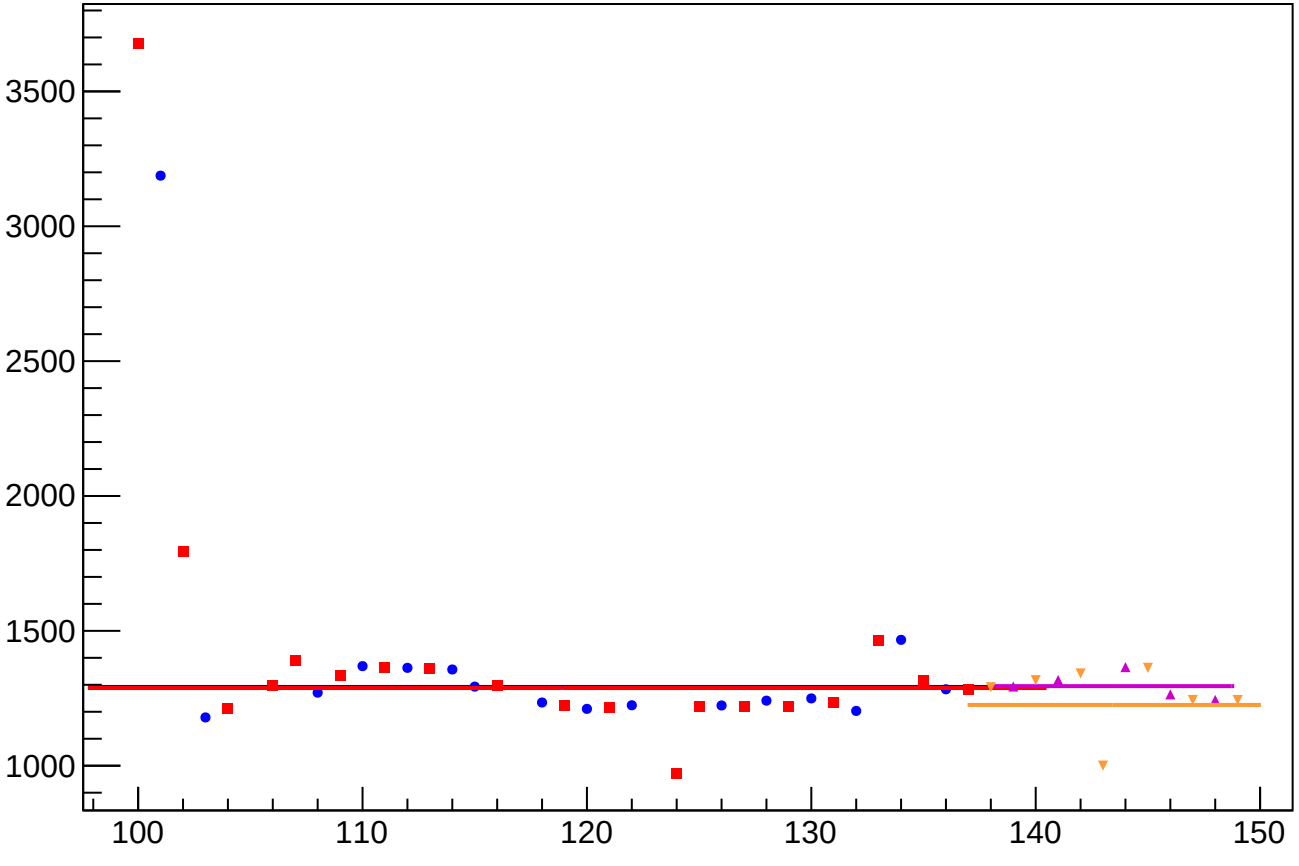
In: 330.415+/-0.077 χ^2/NDF:4573406.4/20

Out: 321.899+/-0.074 χ^2/NDF:6045606.2/25

All: 325.981+/-0.054 χ^2/NDF: 10625326.6/46


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: 390.709+/-532.459 χ²/NDF:6.9/6
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -937.011+/-619.503 χ²/NDF:9.7/4
Left: -173.396+/-403.804 χ²/NDF: 19.3/11
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -835.132+/-384.123 χ²/NDF:23.4/20
Out: 5.271+/-357.598 χ²/NDF:25.8/25
All: -384.914+/-261.735 χ²/NDF: 51.8/46

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1225.386+/-0.377 χ^2/NDF:118799.5/6

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: 1254.989+/-0.286 χ^2/NDF: 142568.6/11

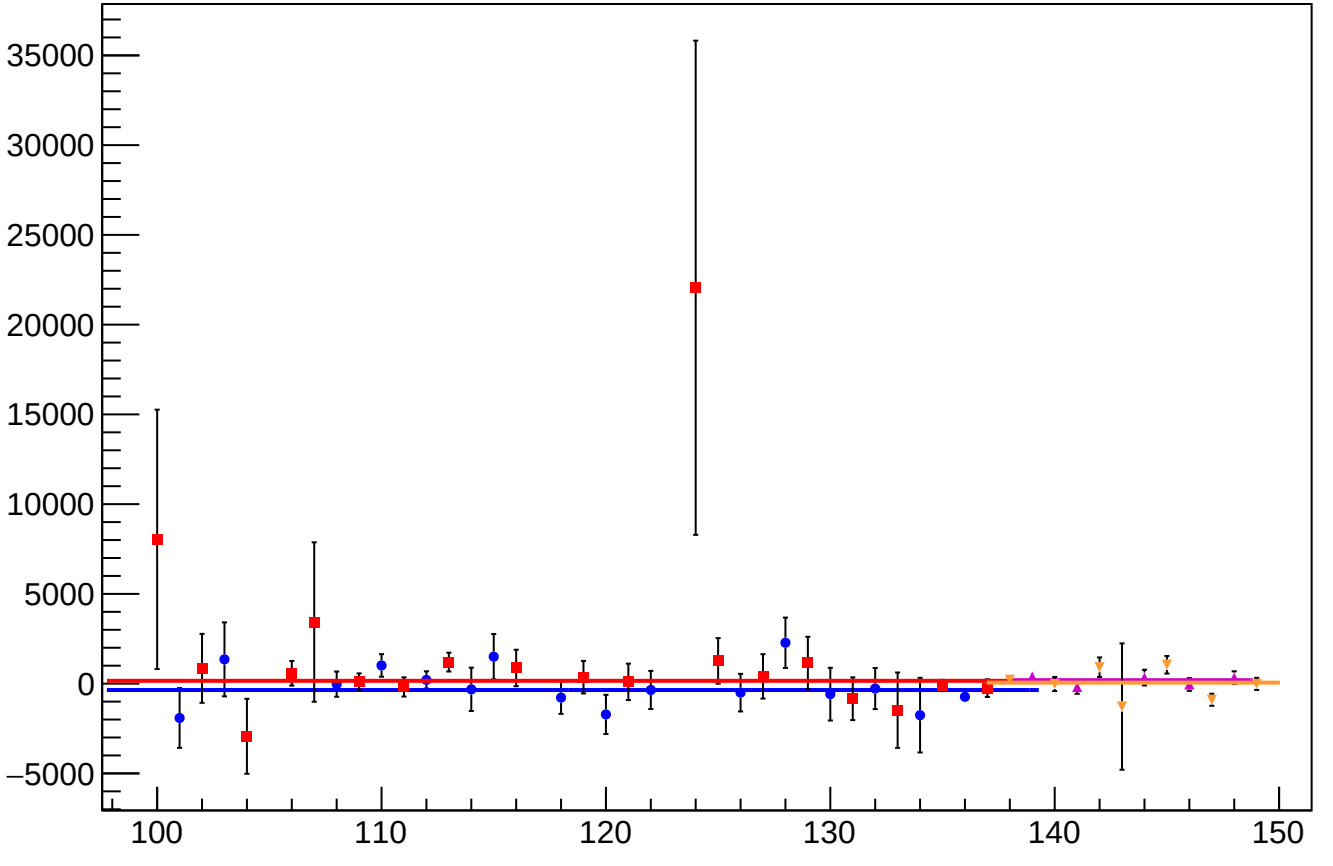
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1259.752+/-0.253 χ^2/NDF:343185.2/25

All: 1275.282+/-0.185 χ^2/NDF: 869963.2/46

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: 57.041+/-143.217 χ^2/NDF:15.4/6

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: 118.932+/-105.393 χ^2/NDF: 18.1/11

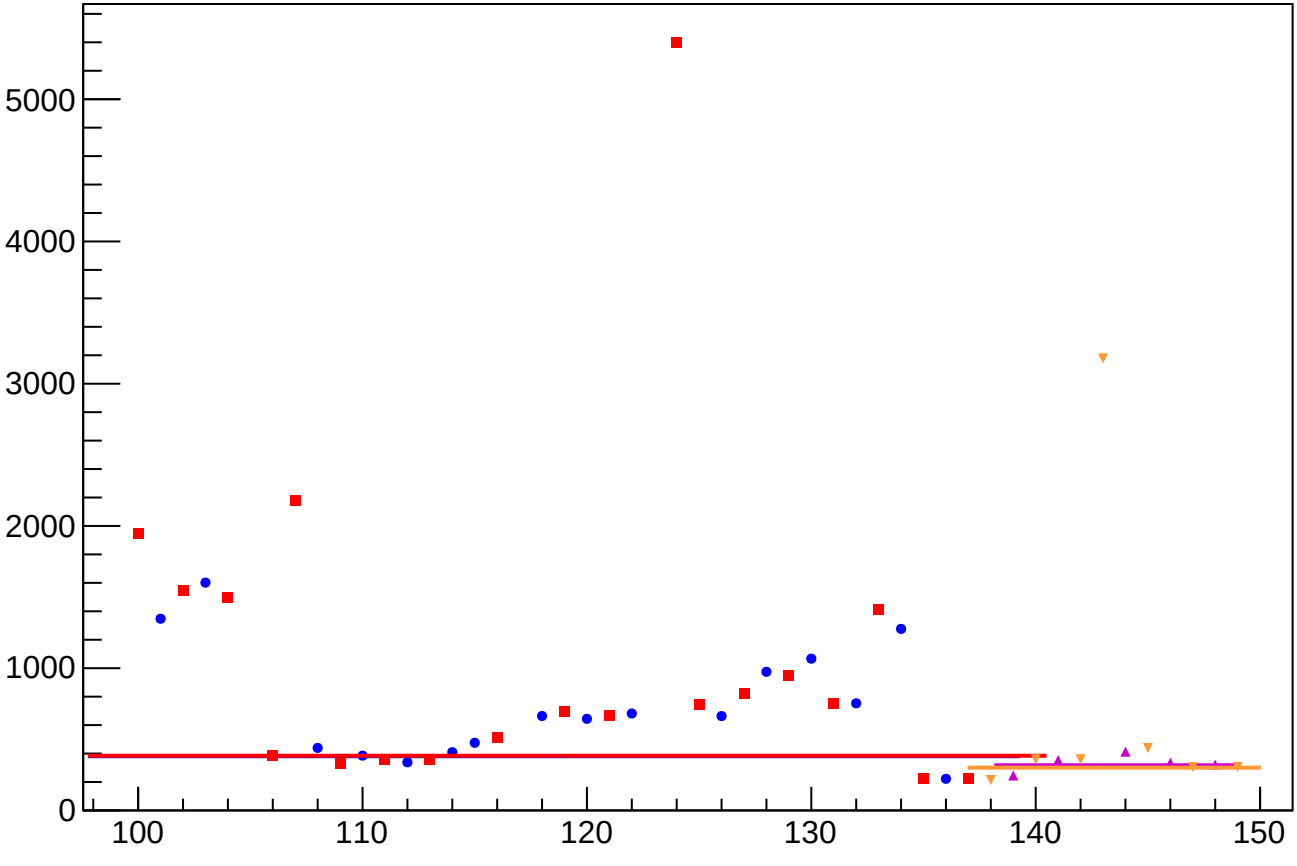
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -57.578+/-114.792 χ^2/NDF:26.4/20

Out: 99.015+/-109.439 χ^2/NDF:31.4/25

All: 24.454+/-79.210 χ^2/NDF: 58.8/46

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: 300.837+/-0.101 χ^2/NDF:1822142.5/6

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.710+/-0.110 χ^2/NDF:253908.7/4

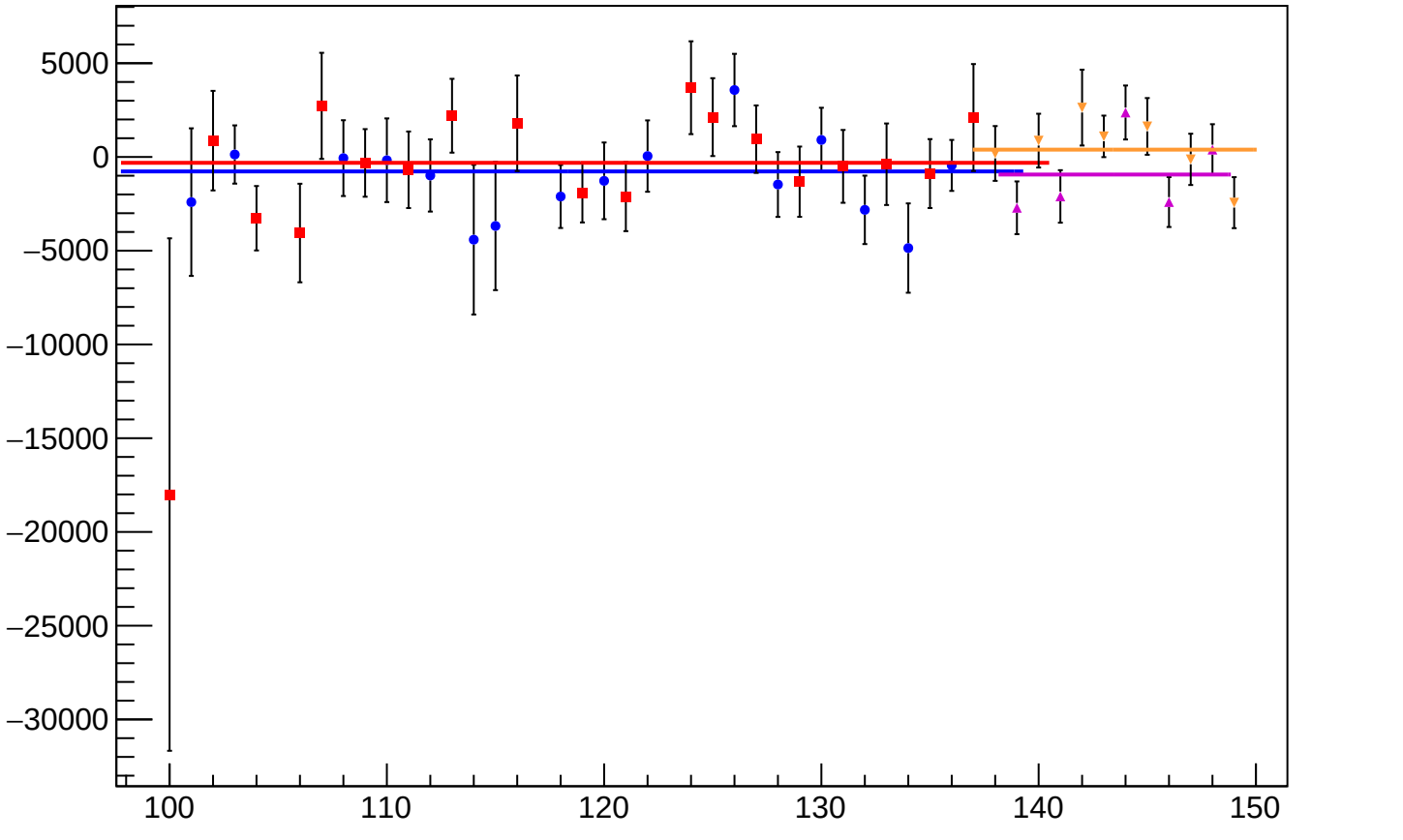
Left: 308.573+/-0.075 χ^2/NDF: 2088778.6/11

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 346.737+/-0.081 χ^2/NDF:4724318.2/20

Out: 335.709+/-0.077 χ^2/NDF:6667347.3/25

All: 340.960+/-0.056 χ^2/NDF: 11401334.9/46



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 390.709+/-532.459 χ^2/NDF:6.9/6

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -937.007+/-619.503 χ^2/NDF:9.7/4

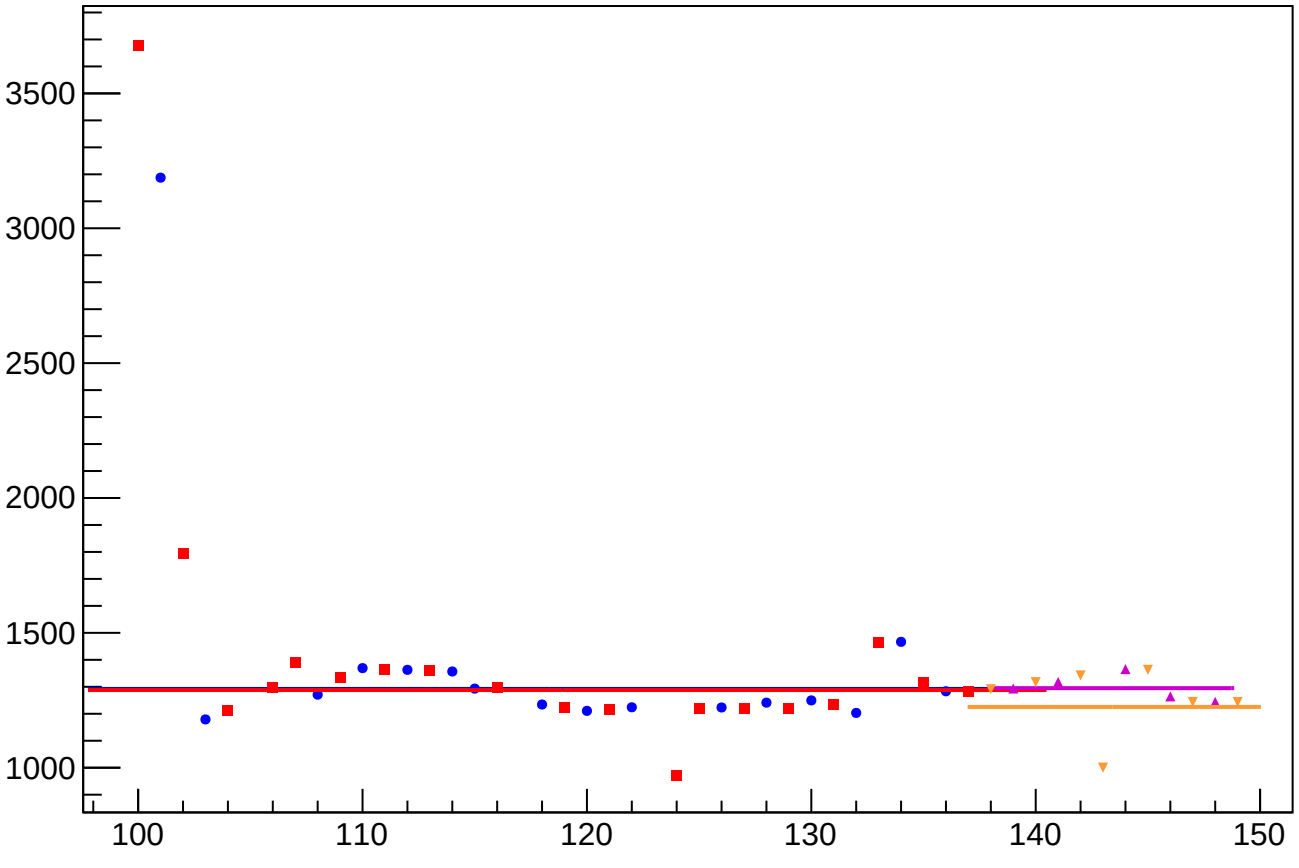
Left: -173.394+/-403.804 χ^2/NDF: 19.3/11

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -835.132+/-384.123 χ^2/NDF:23.4/20

Out: 5.270+/-357.598 χ^2/NDF:25.8/25

All: -384.915+/-261.735 χ^2/NDF: 51.8/46



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1225.386+/-0.377 χ^2/NDF:118798.7/6

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: 1254.990+/-0.286 χ^2/NDF: 142567.7/11

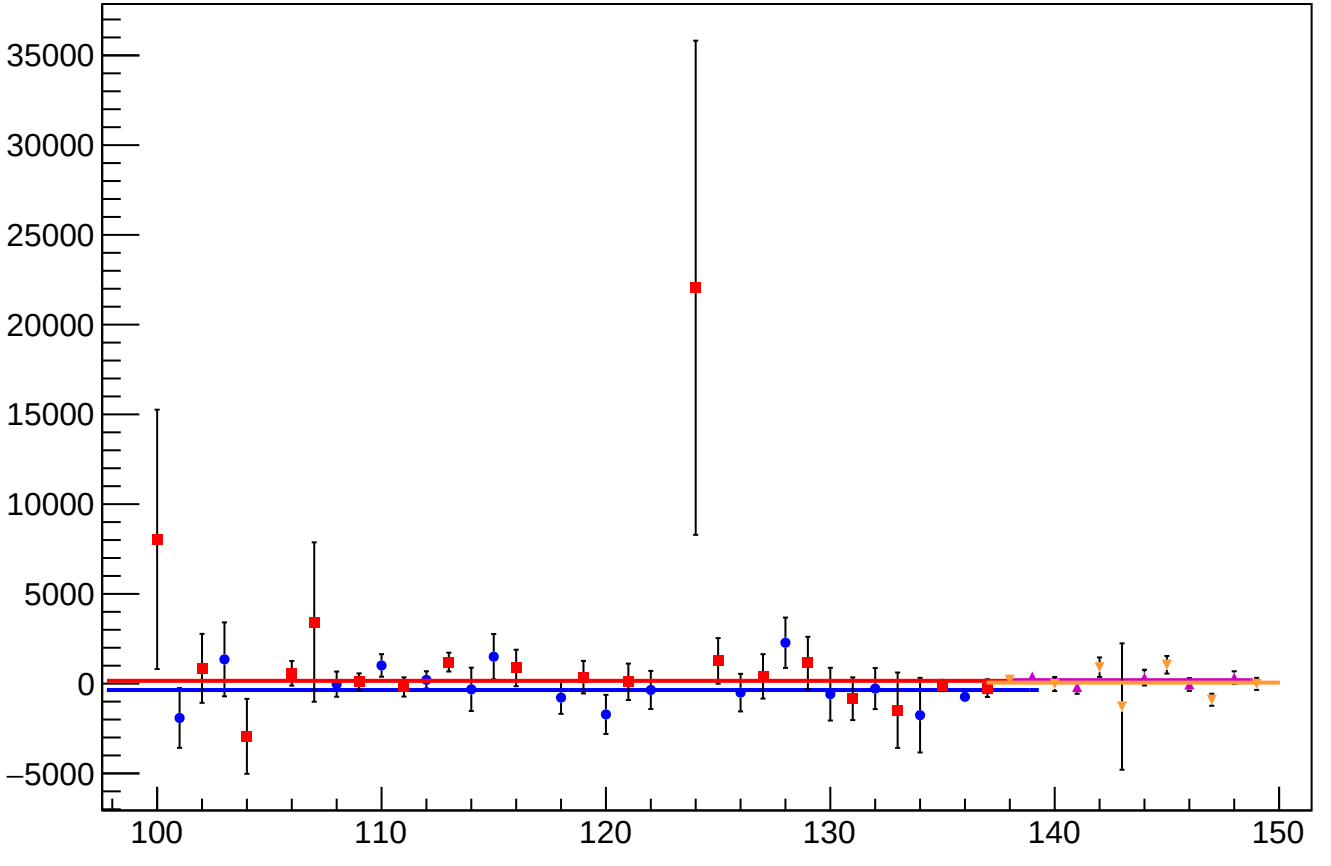
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1293.201+/-0.272 χ^2/NDF:518653.6/20

Out: 1259.752+/-0.253 χ^2/NDF:343184.6/25

All: 1275.282+/-0.185 χ^2/NDF: 869962.5/46

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: 57.035+/-143.220 χ^2/NDF:15.4/6

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: 118.930+/-105.395 χ^2/NDF: 18.1/11

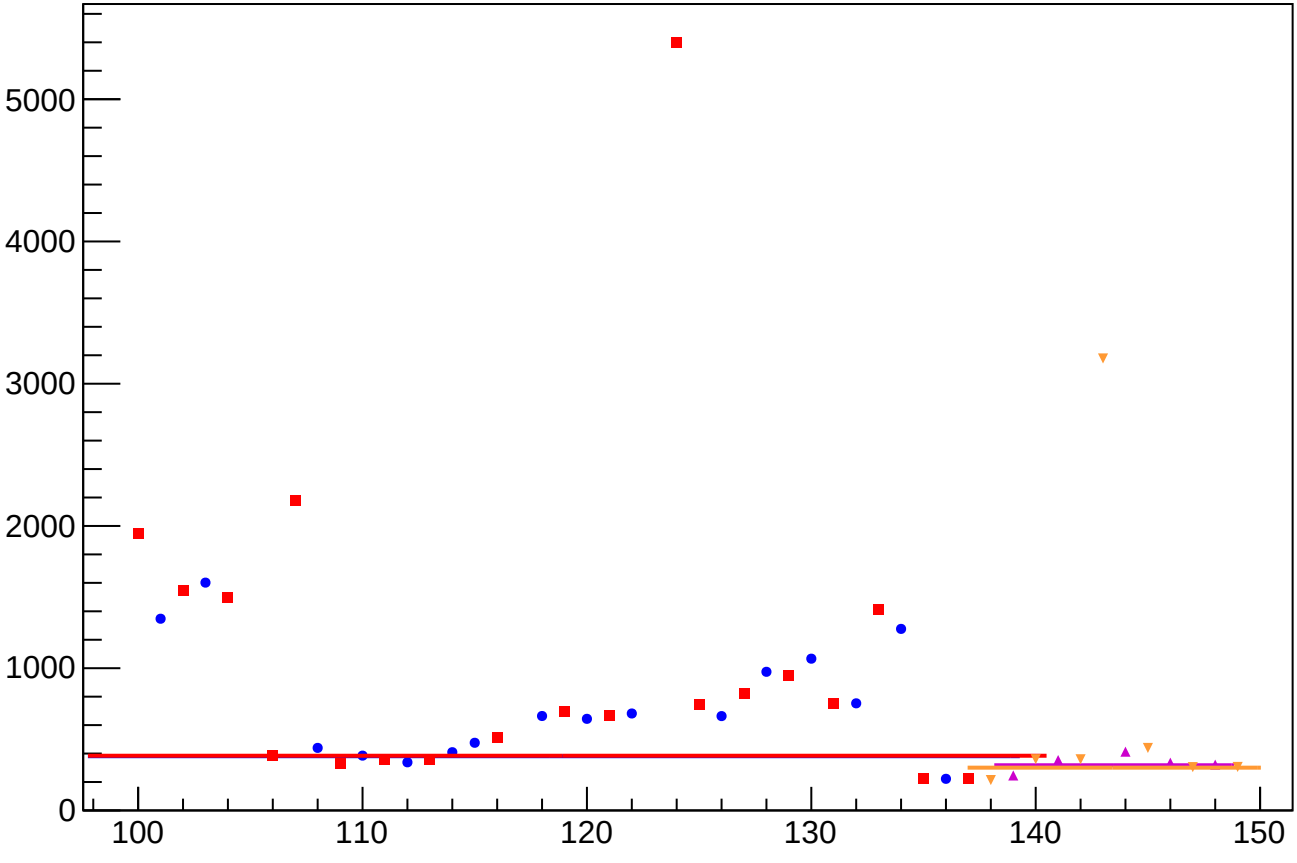
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -57.577+/-114.794 χ^2/NDF:26.4/20

Out: 99.014+/-109.441 χ^2/NDF:31.4/25

All: 24.454+/-79.212 χ^2/NDF: 58.8/46

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: 300.845+/-0.101 χ^2/NDF:1822040.2/6

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 317.717+/-0.110 χ^2/NDF:253839.1/4

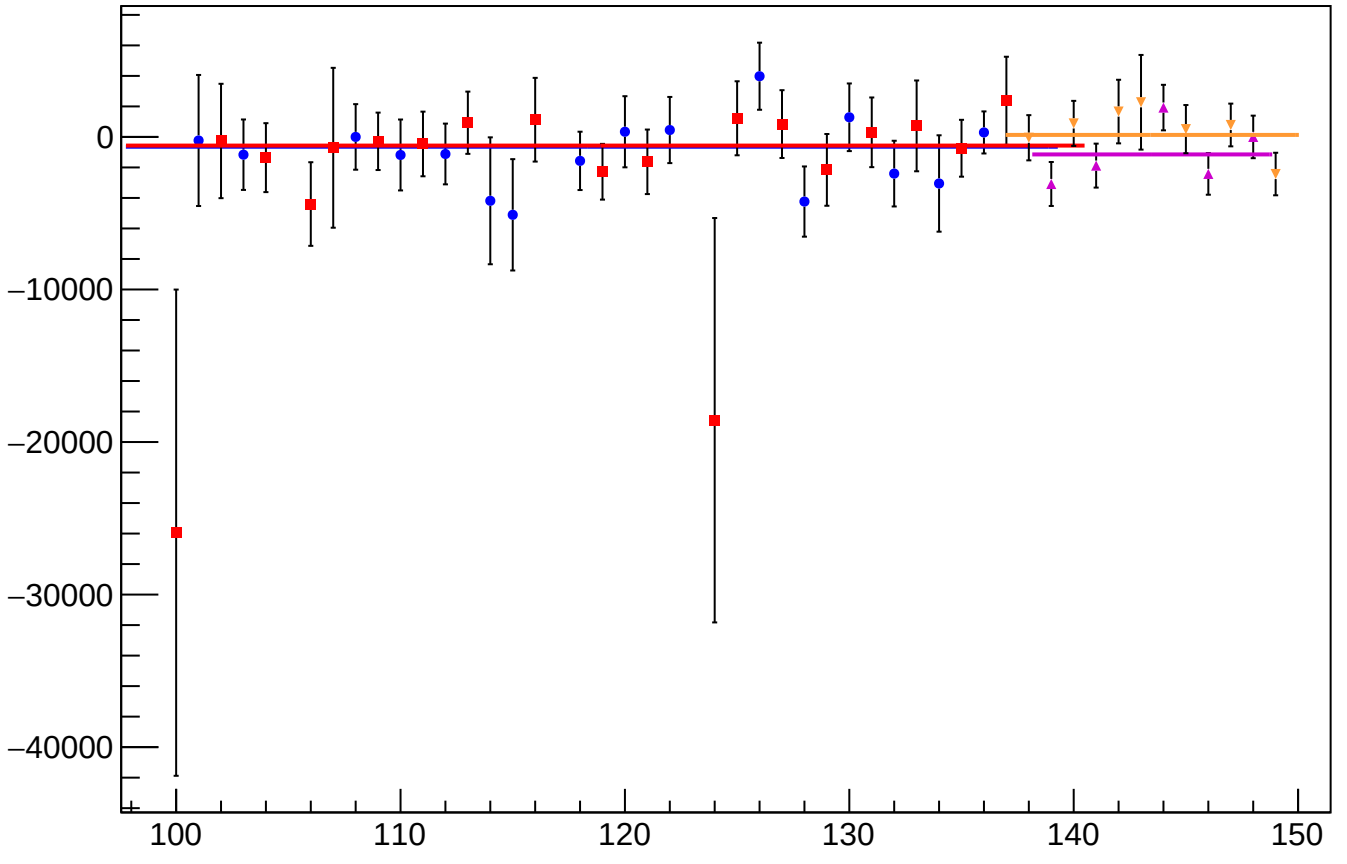
Left: 308.580+/-0.075 χ^2/NDF: 2088604.7/11

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 346.745+/-0.081 χ^2/NDF:4724072.8/20

Out: 335.717+/-0.077 χ^2/NDF:6667094.4/25

All: 340.968+/-0.056 χ^2/NDF: 11400836.5/46



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 132.300+/-611.759 χ^2/NDF:4.9/6

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1147.000+/-637.213 χ^2/NDF:7.9/4

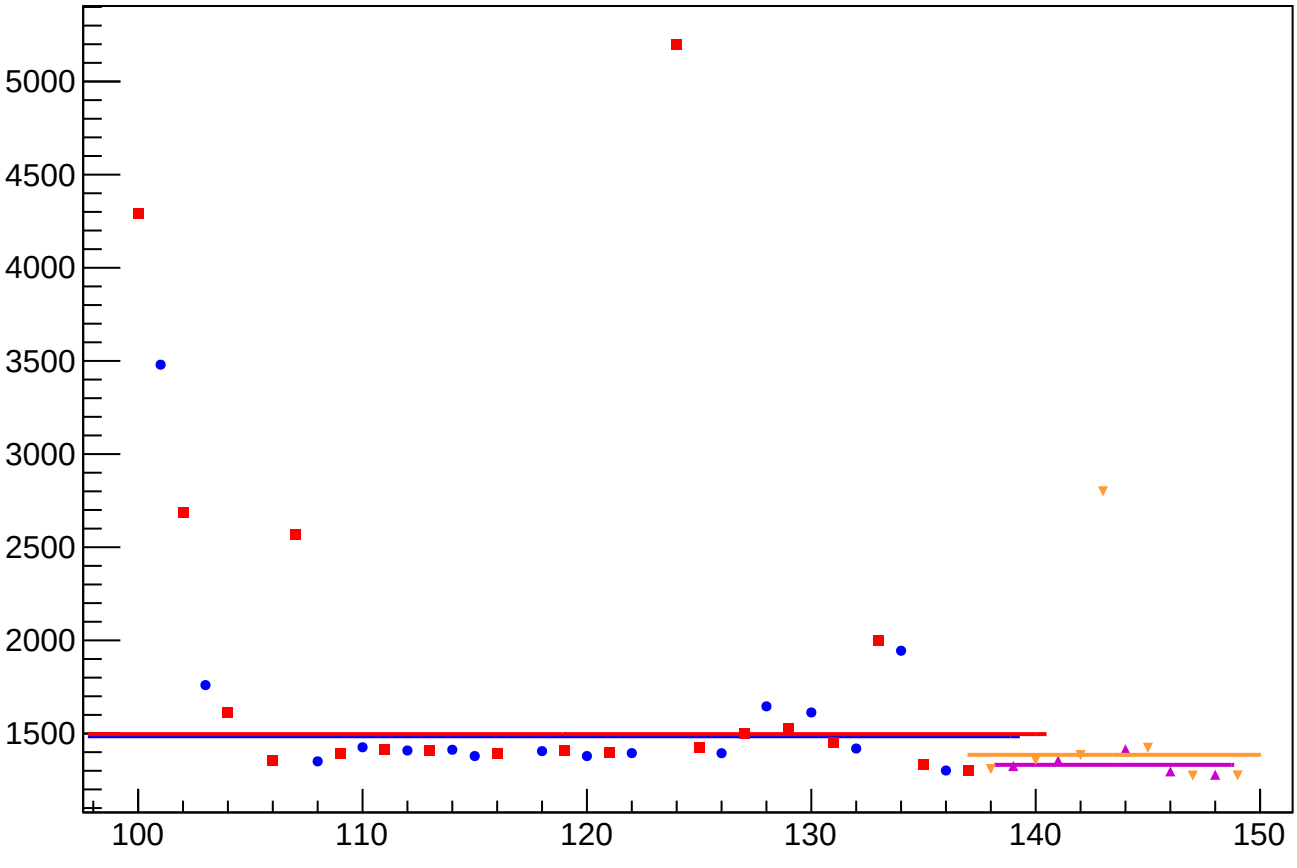
Left: -481.289+/-441.303 χ^2/NDF: 14.9/11

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -863.337+/-422.485 χ^2/NDF:20.7/20

Out: -244.140+/-415.765 χ^2/NDF:17.0/25

All: -548.775+/-296.337 χ^2/NDF: 38.7/46



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1385.641+/-0.433 χ^2/NDF:448067.7/6

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1331.874+/-0.451 χ^2/NDF:11082.8/4

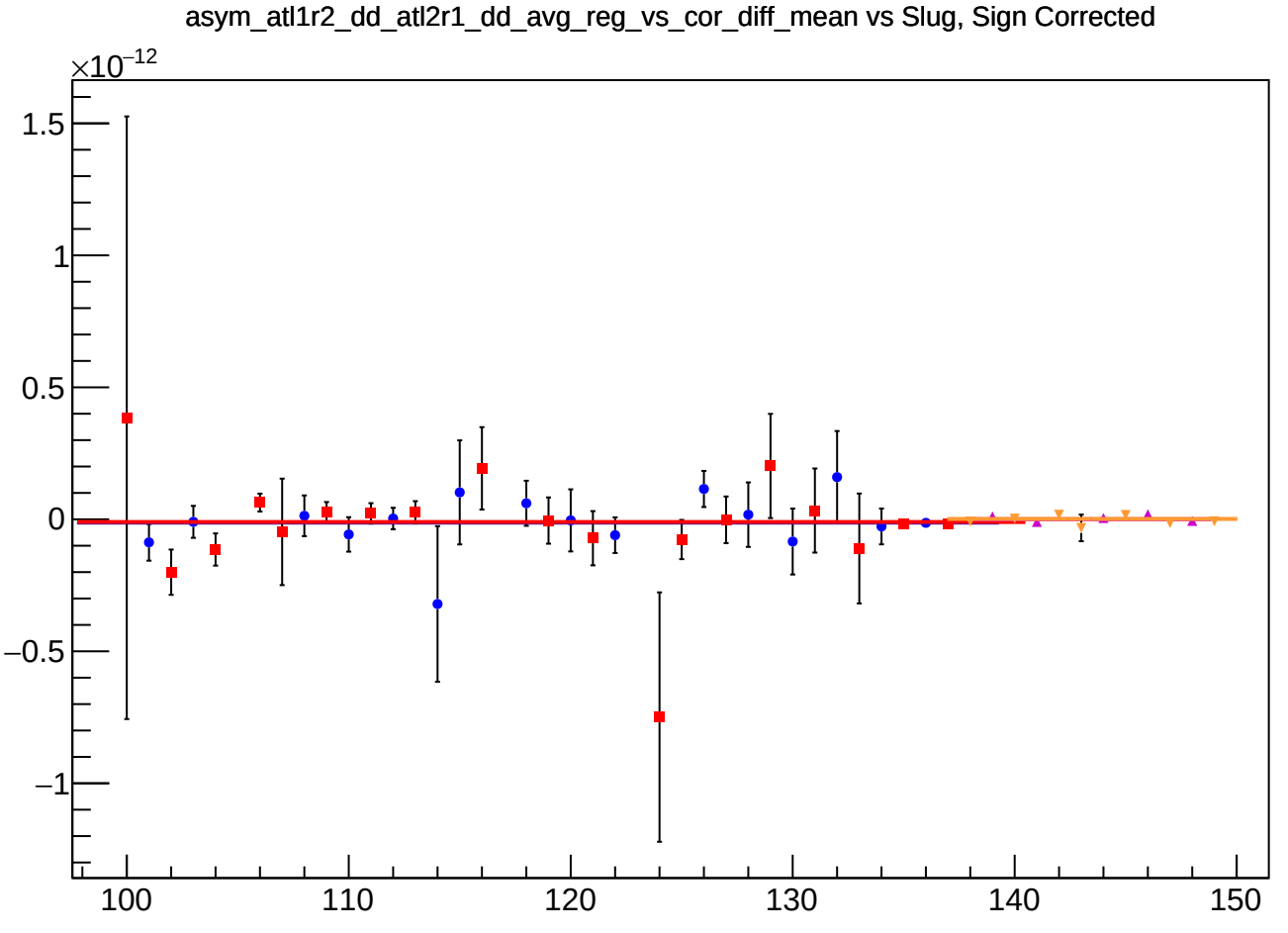
Left: 1359.853+/-0.312 χ^2/NDF: 466560.2/11

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1417.894+/-0.299 χ^2/NDF:660589.5/20

Out: 1445.493+/-0.294 χ^2/NDF:1106935.7/25

All: 1431.915+/-0.210 χ^2/NDF: 1771860.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/6

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: 17.5/11

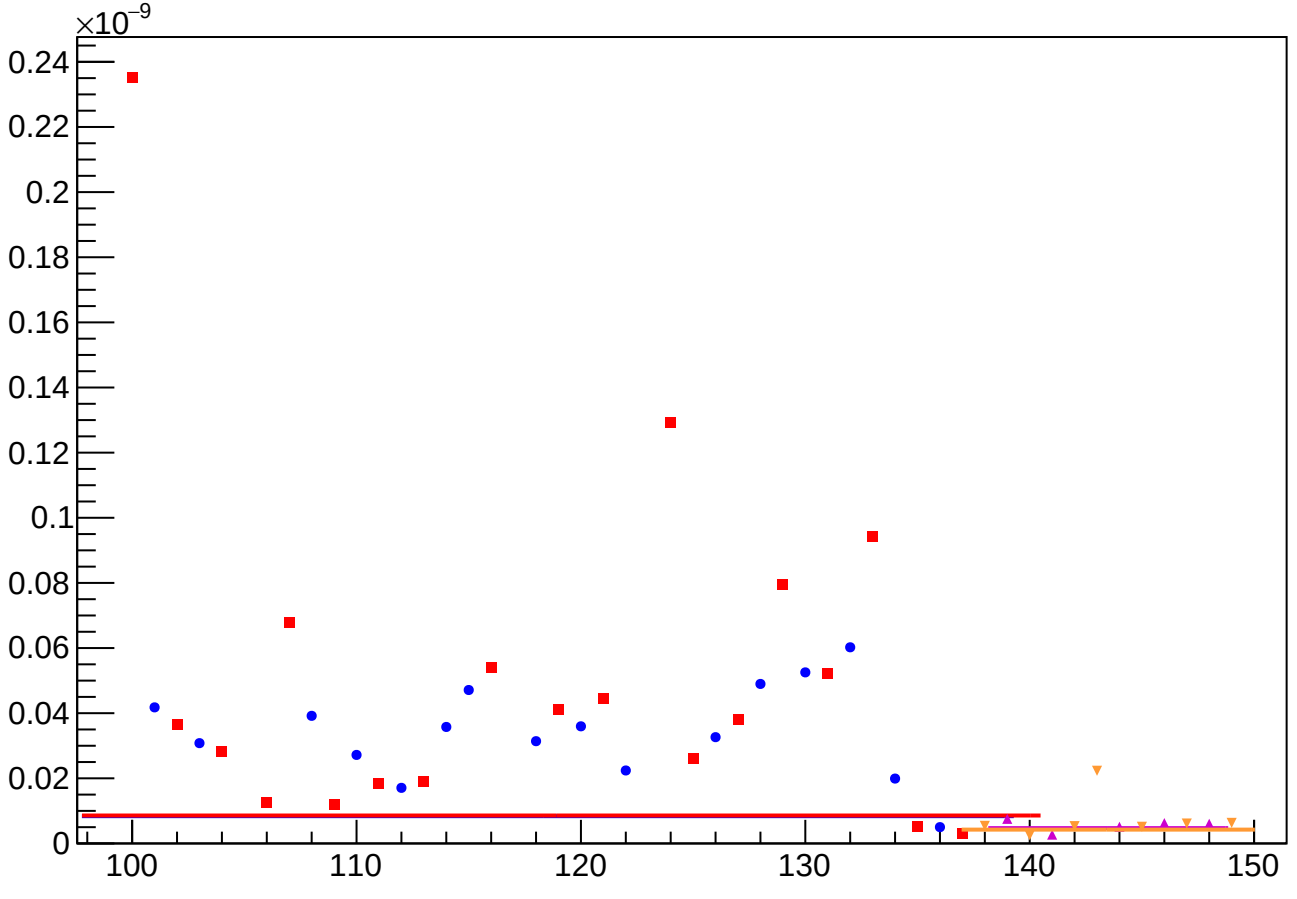
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.9/20

Out: -0.000+/-0.000 χ^2/NDF:33.4/25

All: -0.000+/-0.000 χ^2/NDF: 53.5/46

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:713900.0/6

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: 1187819.3/11

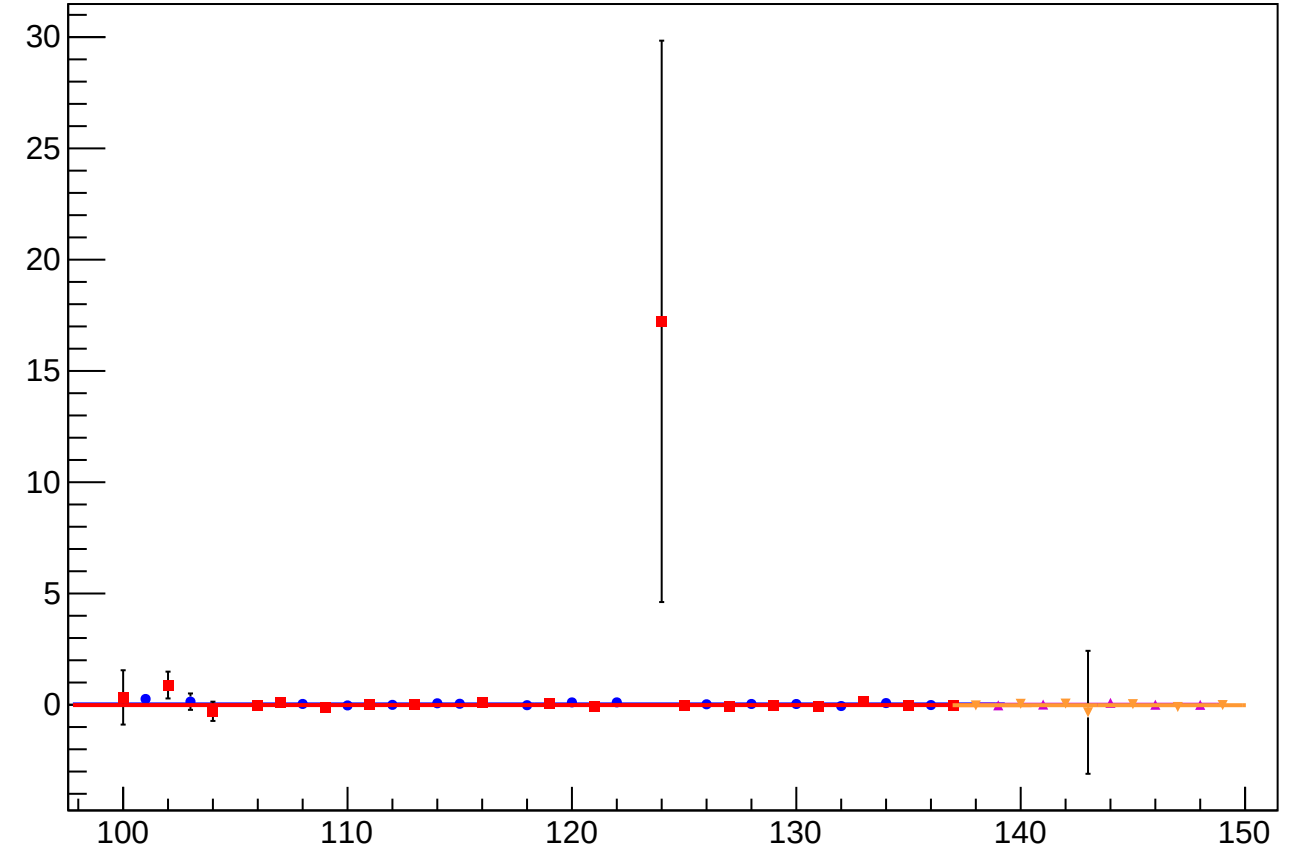
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3907078.9/20

Out: 0.000+/-0.000 χ^2/NDF:4561709.9/25

All: 0.000+/-0.000 χ^2/NDF: 8500999.2/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

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+/-0.011 χ^2/NDF: 13.5/11

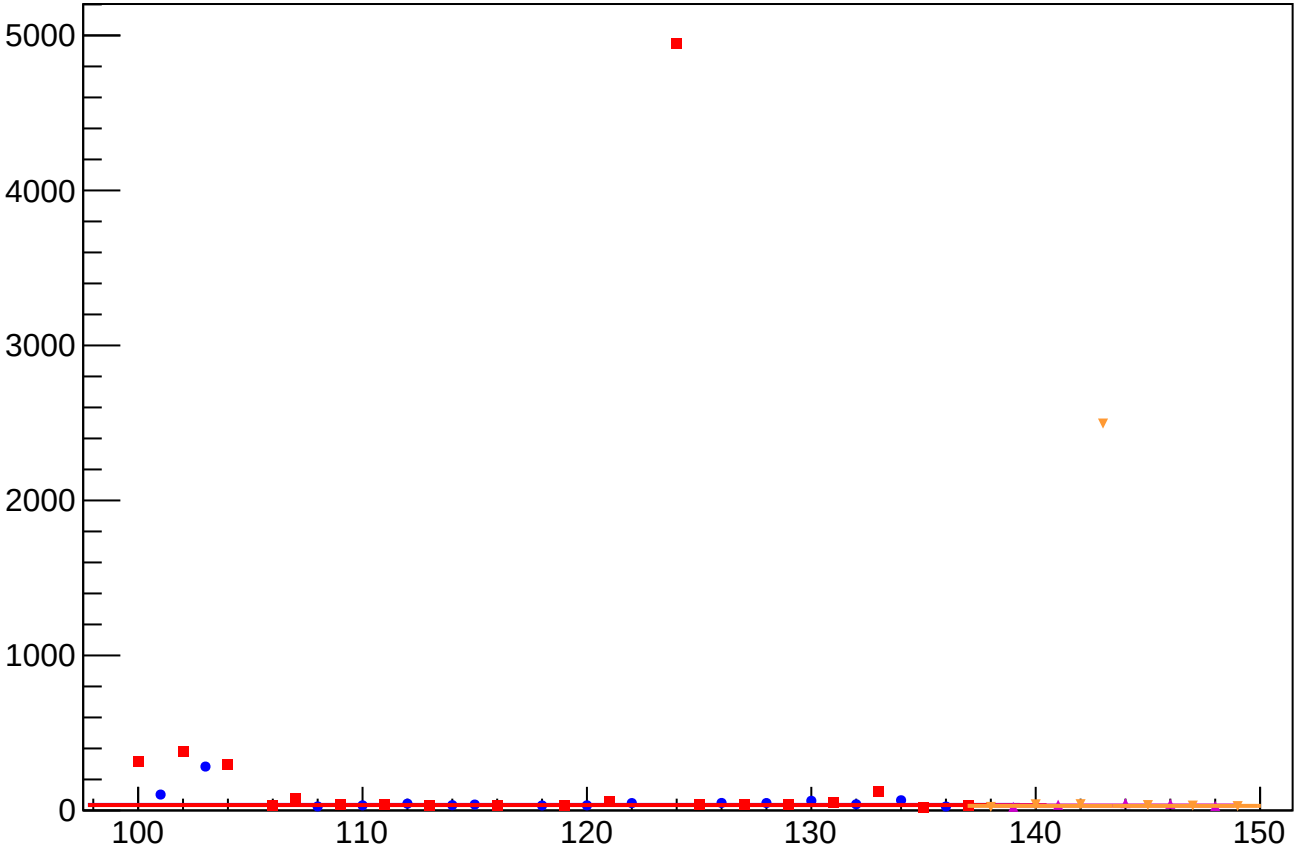
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46

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: 29.615+/-0.011 χ^2/NDF:1905740.5/6

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: 30.720+/-0.008 χ^2/NDF: 2406944.0/11

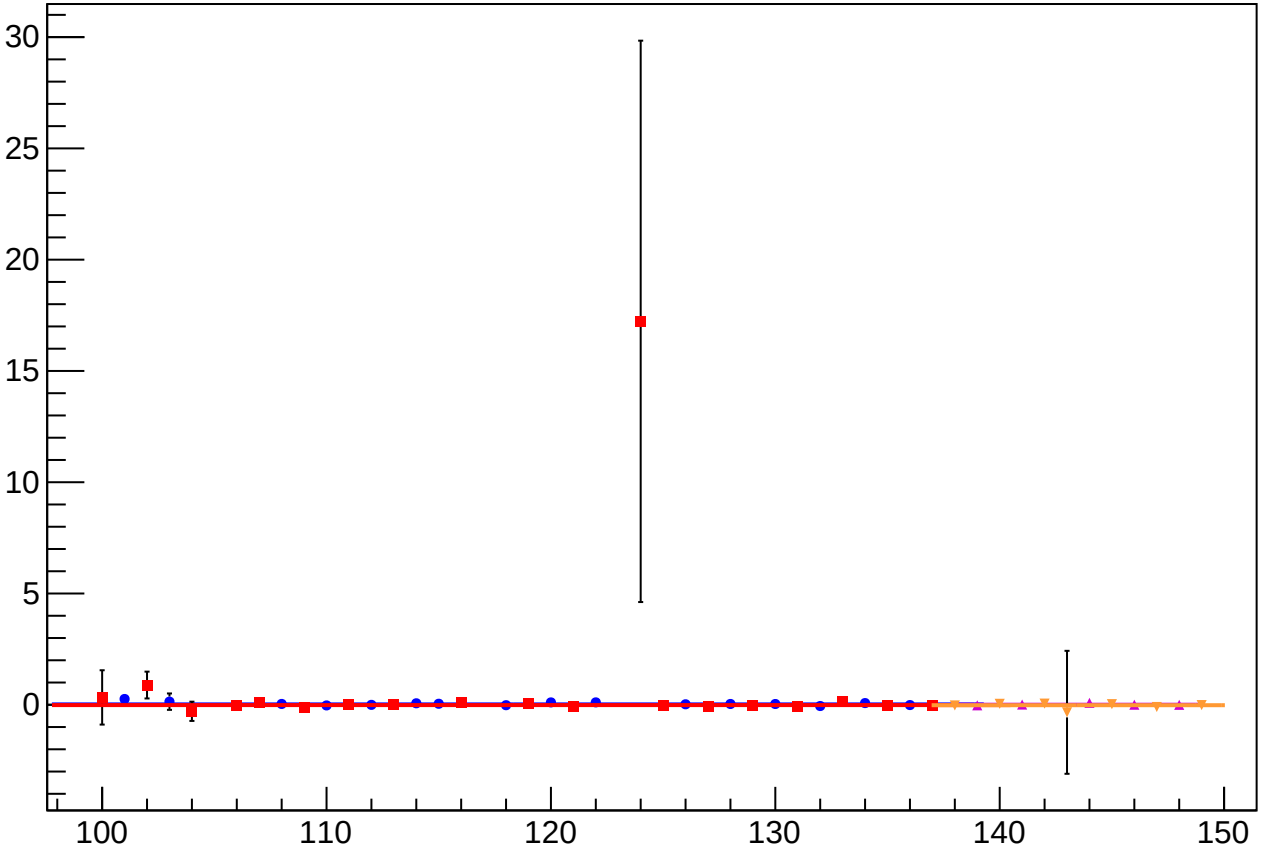
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.163+/-0.008 χ^2/NDF:4931765.7/25

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

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+/-0.011 χ^2/NDF: 13.5/11

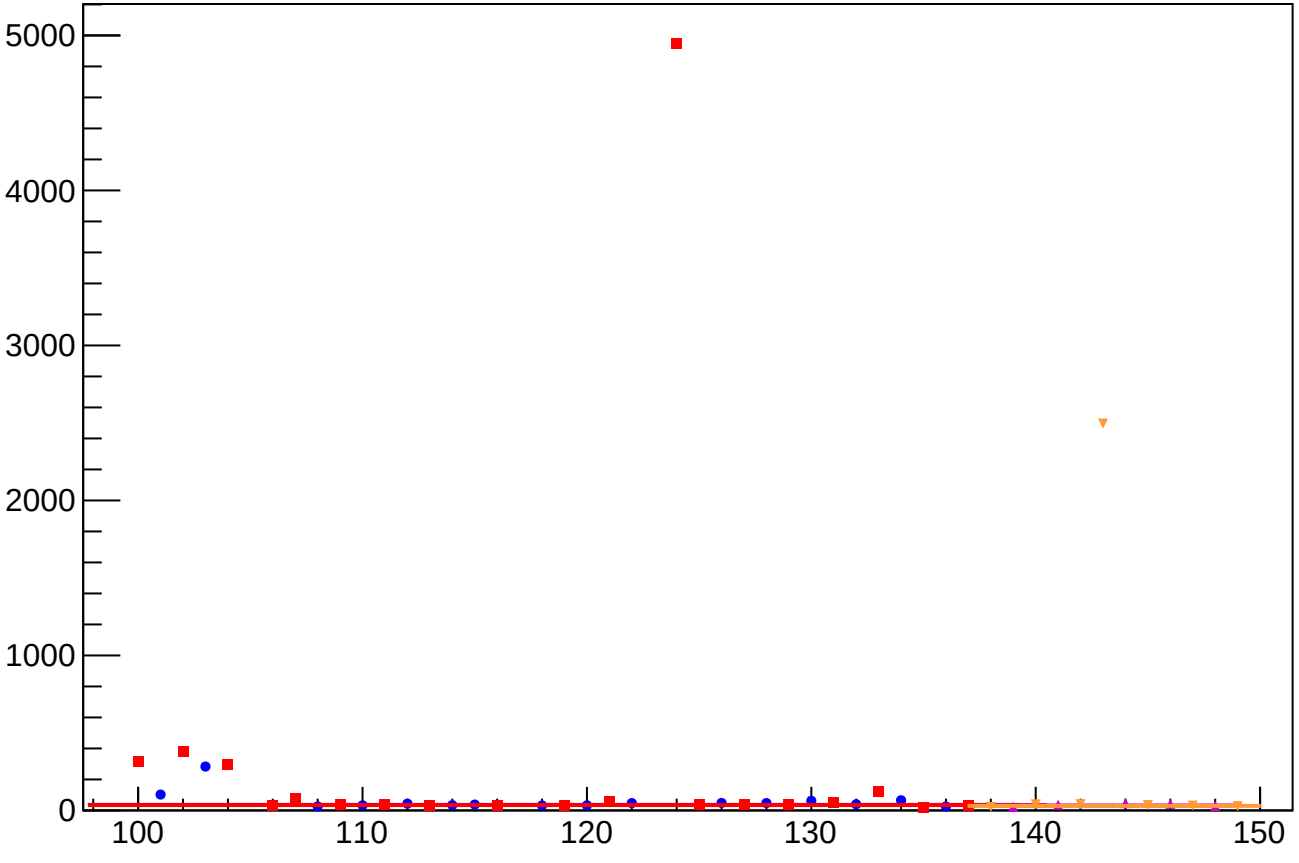
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46

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: 29.615+/-0.011 χ^2/NDF:1905740.5/6

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.125+/-0.012 χ^2/NDF:477685.6/4

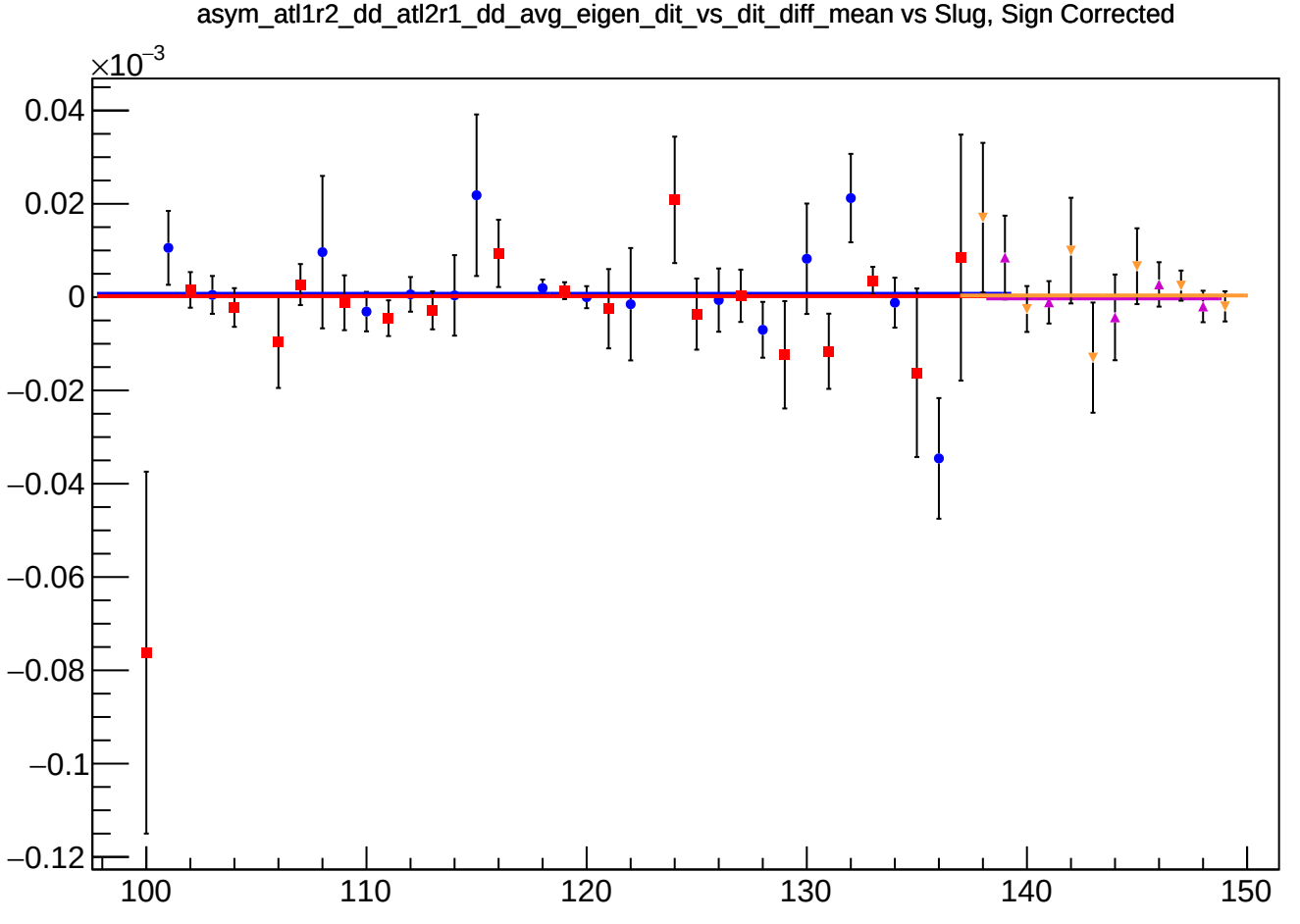
Left: 30.720+/-0.008 χ^2/NDF: 2406944.0/11

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.139+/-0.008 χ^2/NDF:2791054.9/20

Out: 32.163+/-0.008 χ^2/NDF:4931765.7/25

All: 33.100+/-0.006 χ^2/NDF: 7753732.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/4

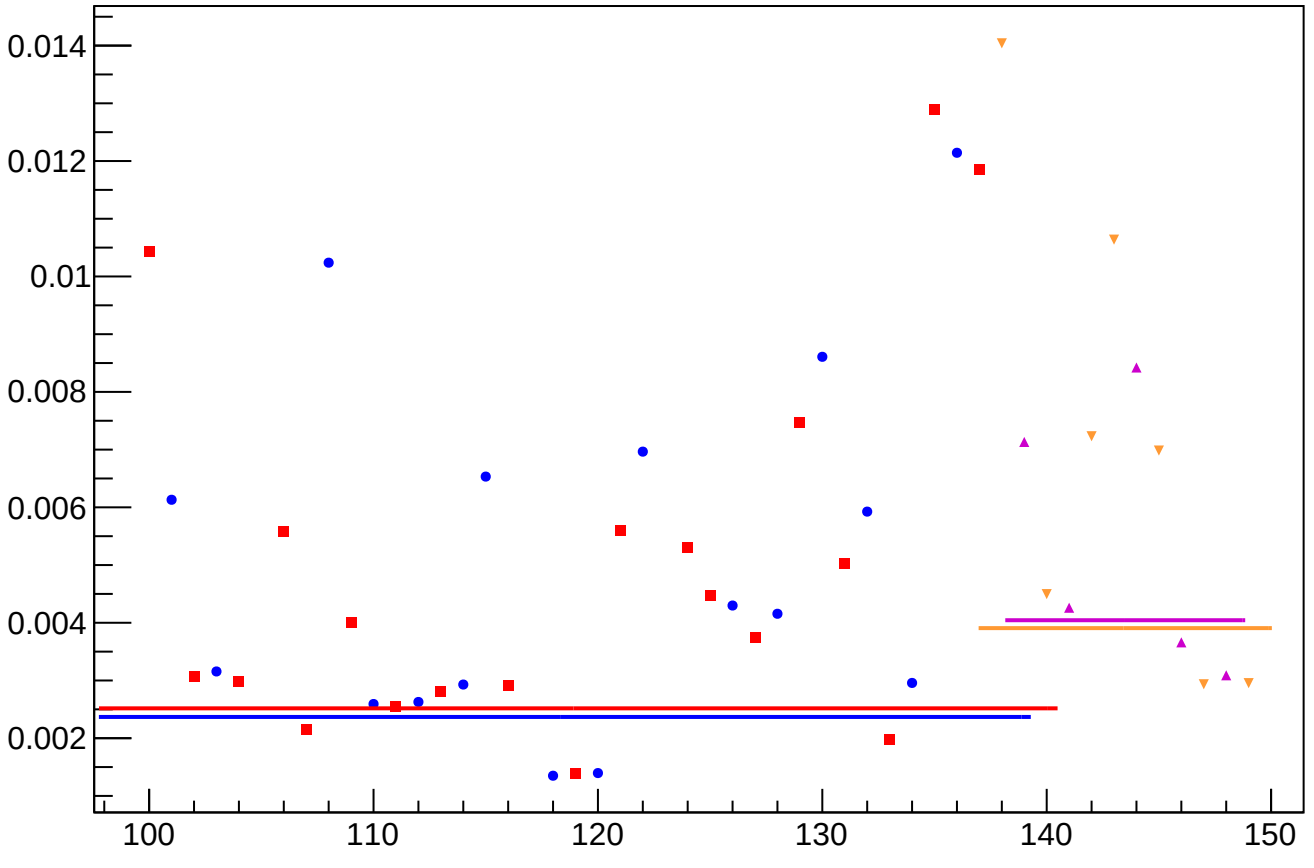
Left: 0.000+/-0.000 χ^2/NDF: 6.9/11

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:23.1/25

All: 0.000+/-0.000 χ^2/NDF: 44.2/46



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2291573.9/6

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: 3164490.0/11

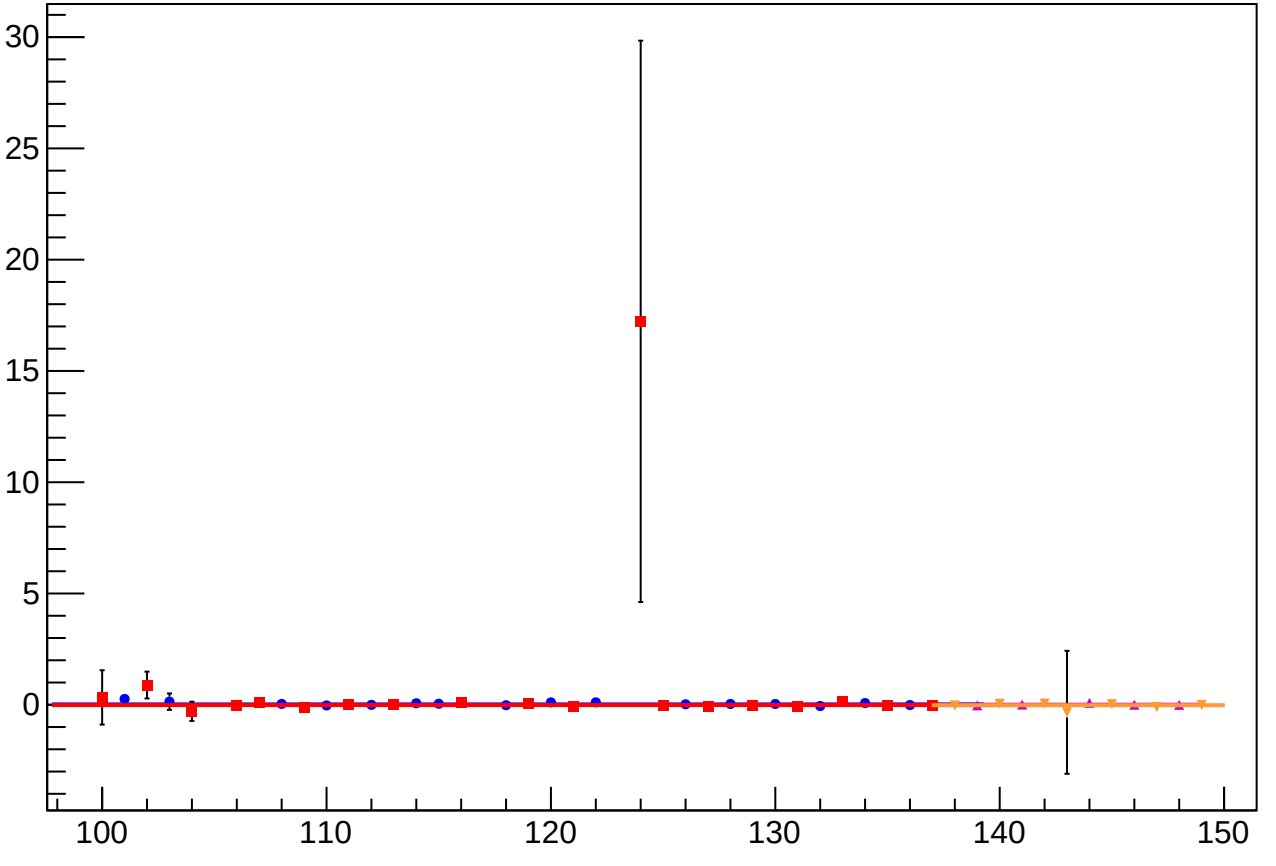
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6509634.3/20

Out: 0.003+/-0.000 χ^2/NDF:6480966.1/25

All: 0.003+/-0.000 χ^2/NDF: 13010638.0/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.003+/-0.017 χ^2/NDF:3.4/4

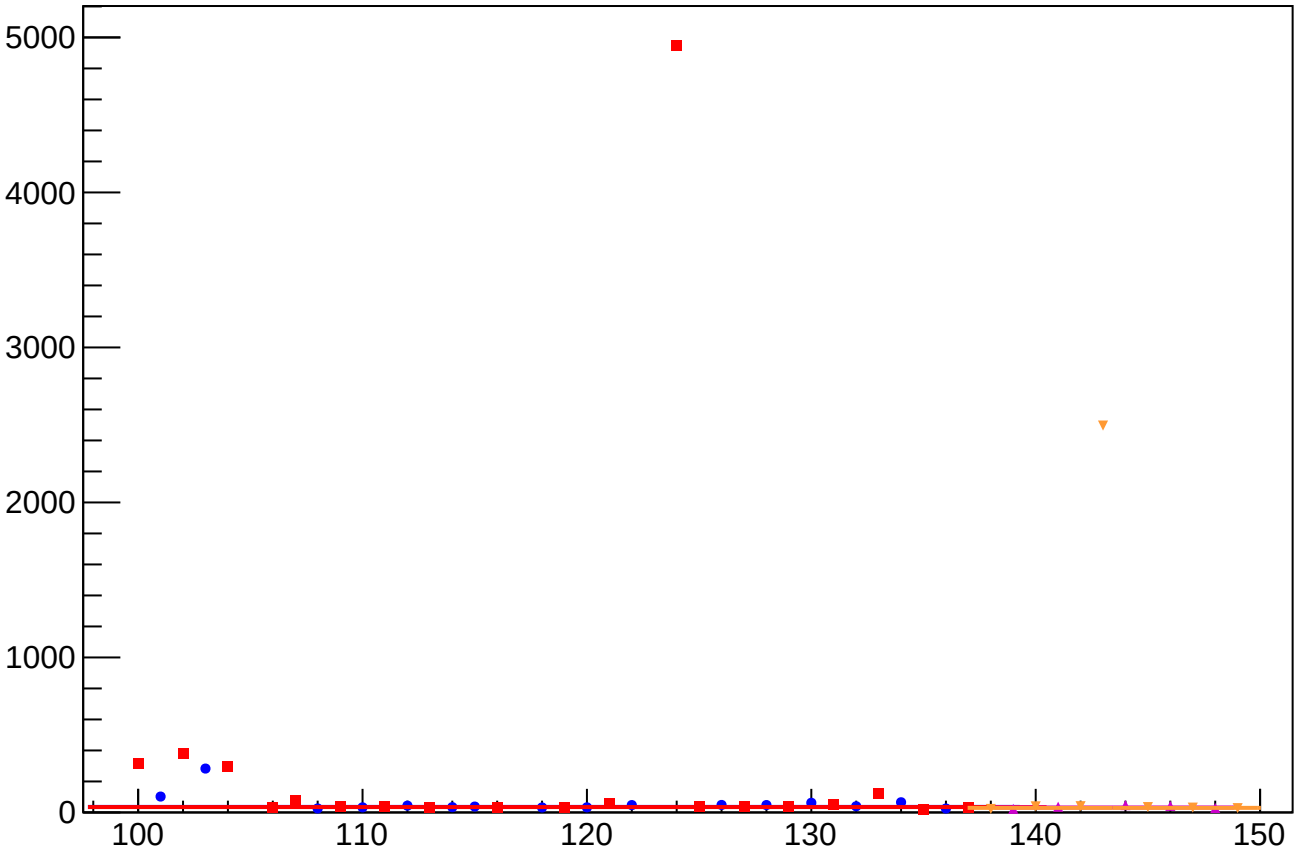
Left: -0.009+/-0.011 χ^2/NDF: 13.5/11

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 29.615+/-0.011 χ^2/NDF:1905956.4/6

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: 30.719+/-0.008 χ^2/NDF: 2407419.6/11

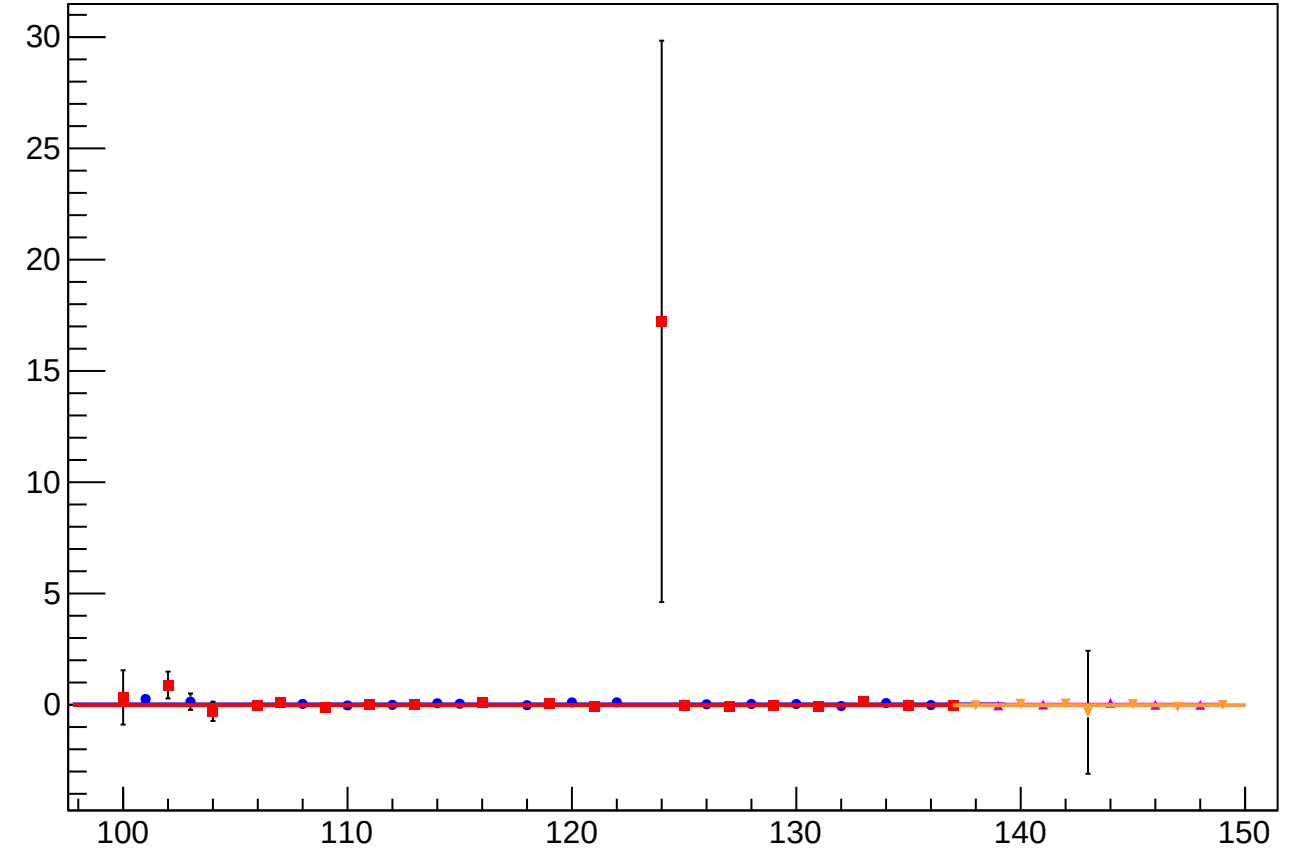
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.163+/-0.008 χ^2/NDF:4931860.3/25

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46

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: -0.019+/-0.015 χ^2/NDF:9.2/6

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+/-0.011 χ^2/NDF: 13.5/11

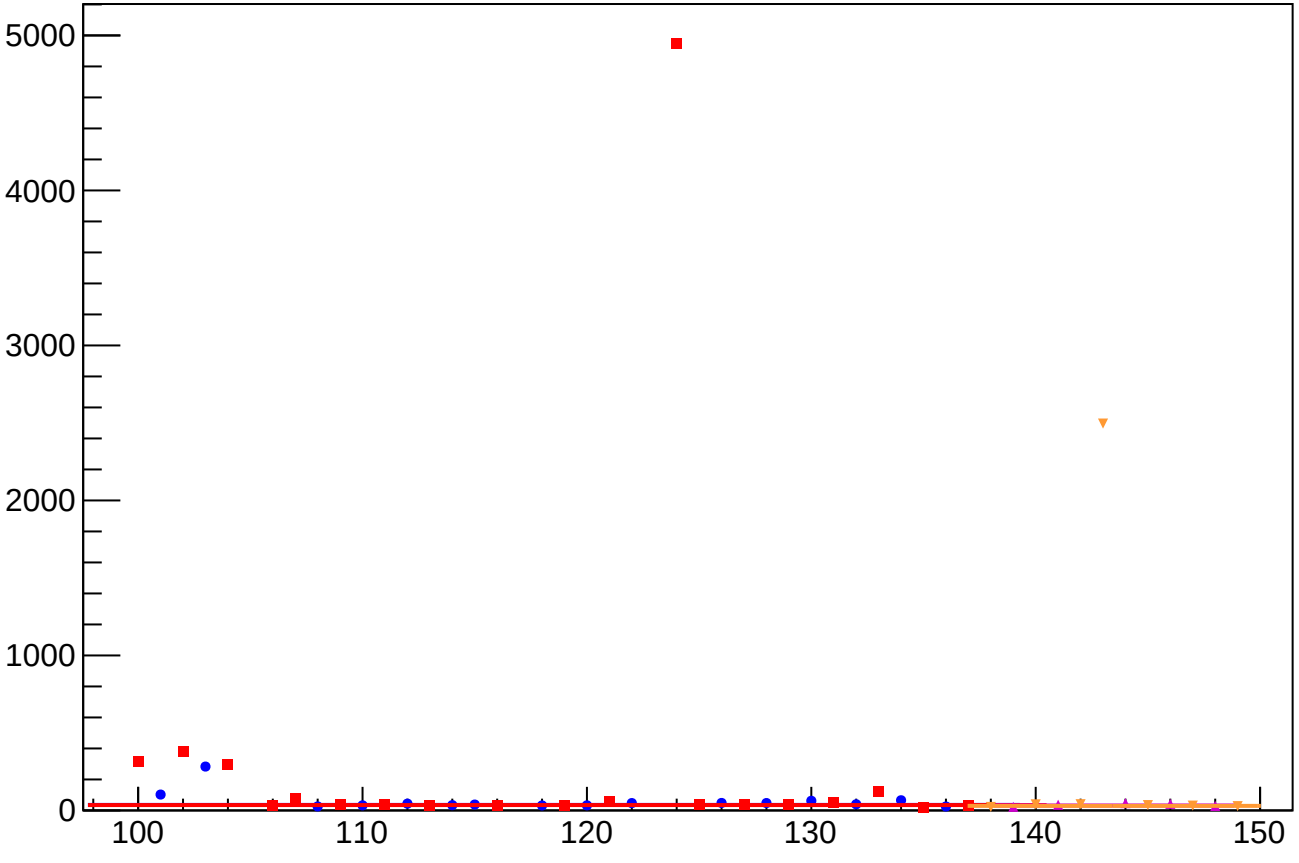
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.012 χ^2/NDF:15.3/20

Out: -0.016+/-0.011 χ^2/NDF:25.3/25

All: -0.004+/-0.008 χ^2/NDF: 43.5/46

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: 29.615+/-0.011 χ^2/NDF:1905956.4/6

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.122+/-0.012 χ^2/NDF:477996.5/4

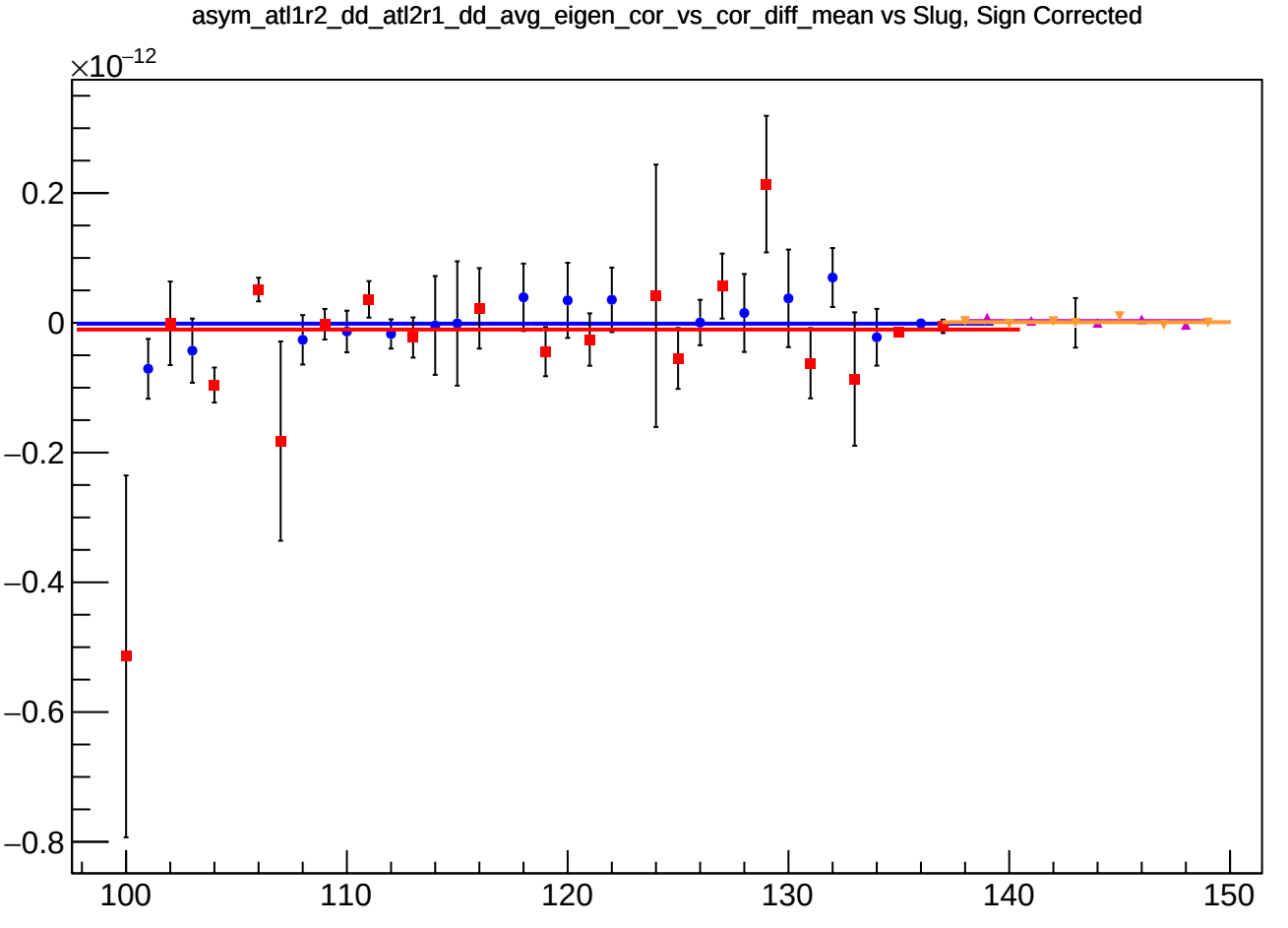
Left: 30.719+/-0.008 χ^2/NDF: 2407419.6/11

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.139+/-0.008 χ^2/NDF:2791216.8/20

Out: 32.163+/-0.008 χ^2/NDF:4931860.3/25

All: 33.100+/-0.006 χ^2/NDF: 7753960.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/6

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: 5.7/11

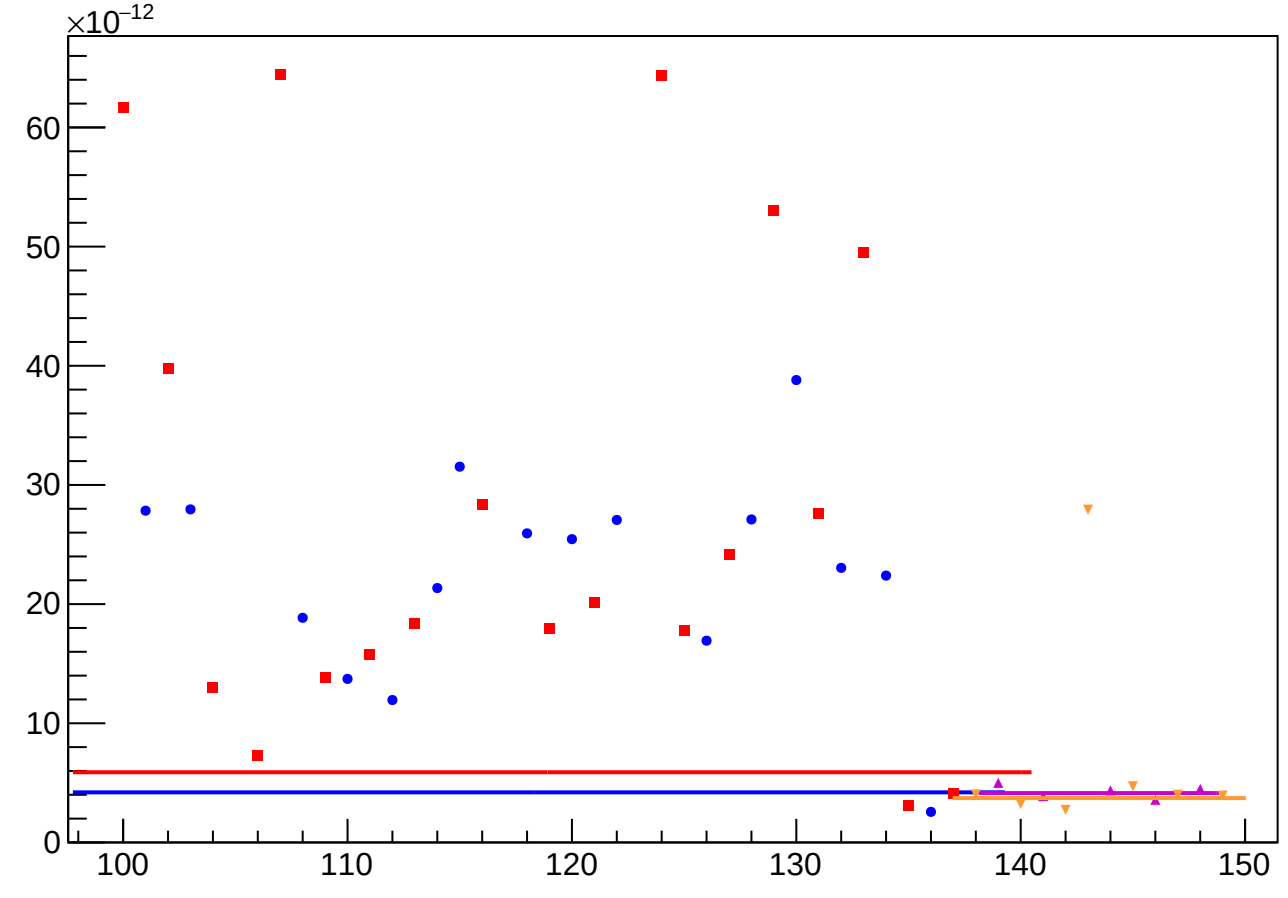
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.7/20

Out: -0.000+/-0.000 χ^2/NDF:49.0/25

All: 0.000+/-0.000 χ^2/NDF: 61.7/46

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:970806.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:76519.4/4

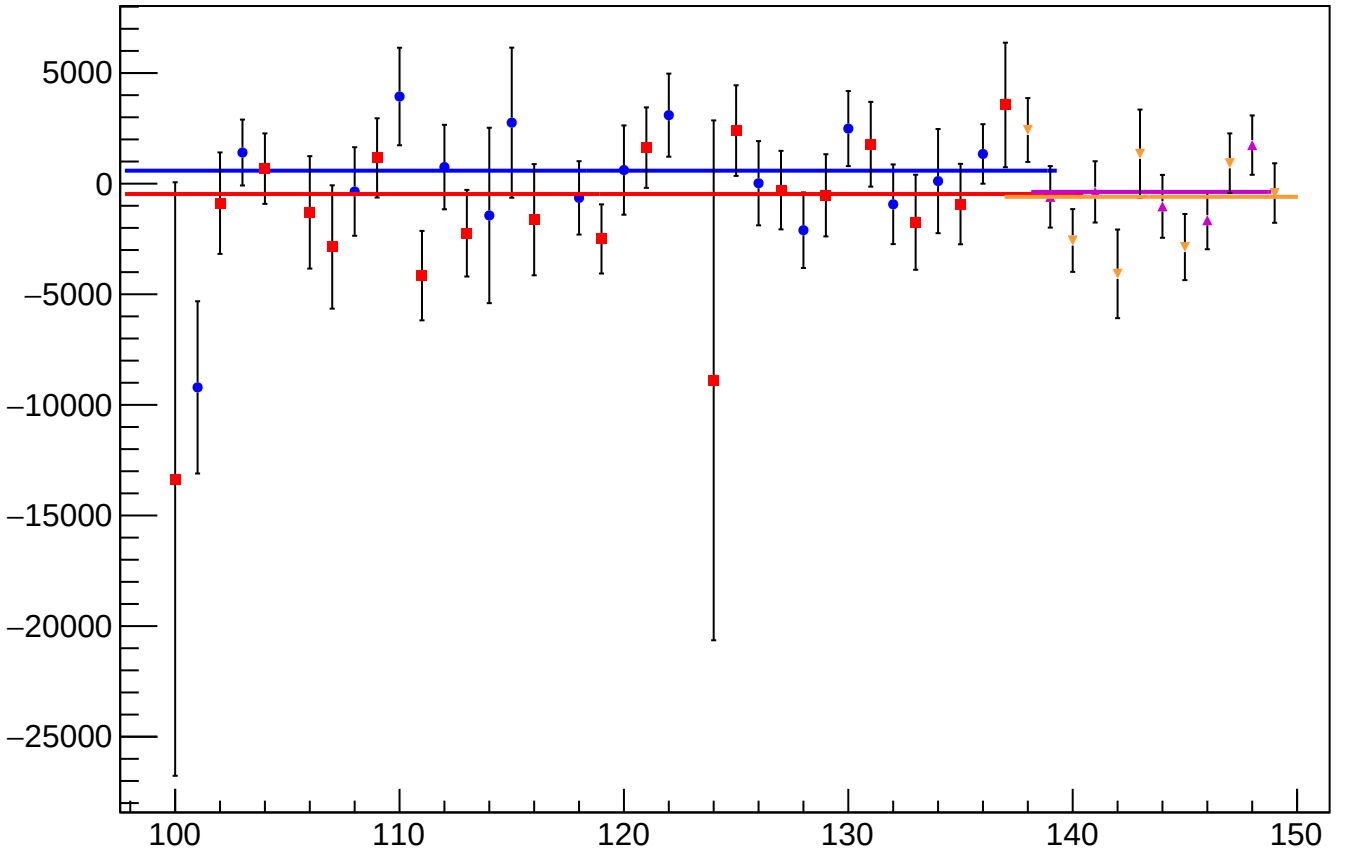
Left: 0.000+/-0.000 χ^2/NDF: 1081601.7/11

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:6262272.1/25

All: 0.000+/-0.000 χ^2/NDF: 11419462.5/46



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.369+/-575.022 χ^2/NDF:13.9/6

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -373.535+/-612.184 χ^2/NDF:3.7/4

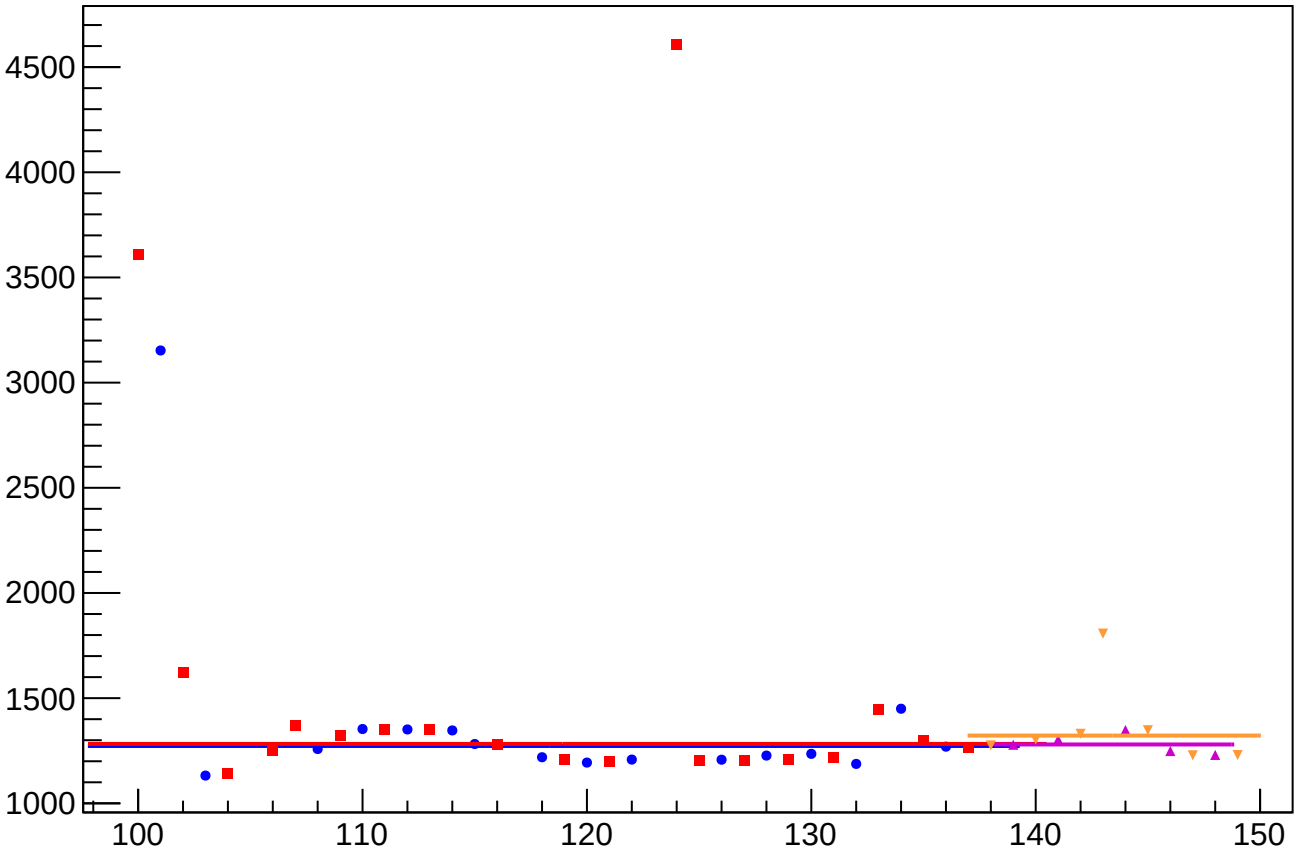
Left: -491.389+/-419.124 χ^2/NDF: 17.6/11

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 218.971+/-378.915 χ^2/NDF:22.3/20

Out: -520.968+/-368.722 χ^2/NDF:30.7/25

All: -161.084+/-264.256 χ^2/NDF: 55.0/46



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

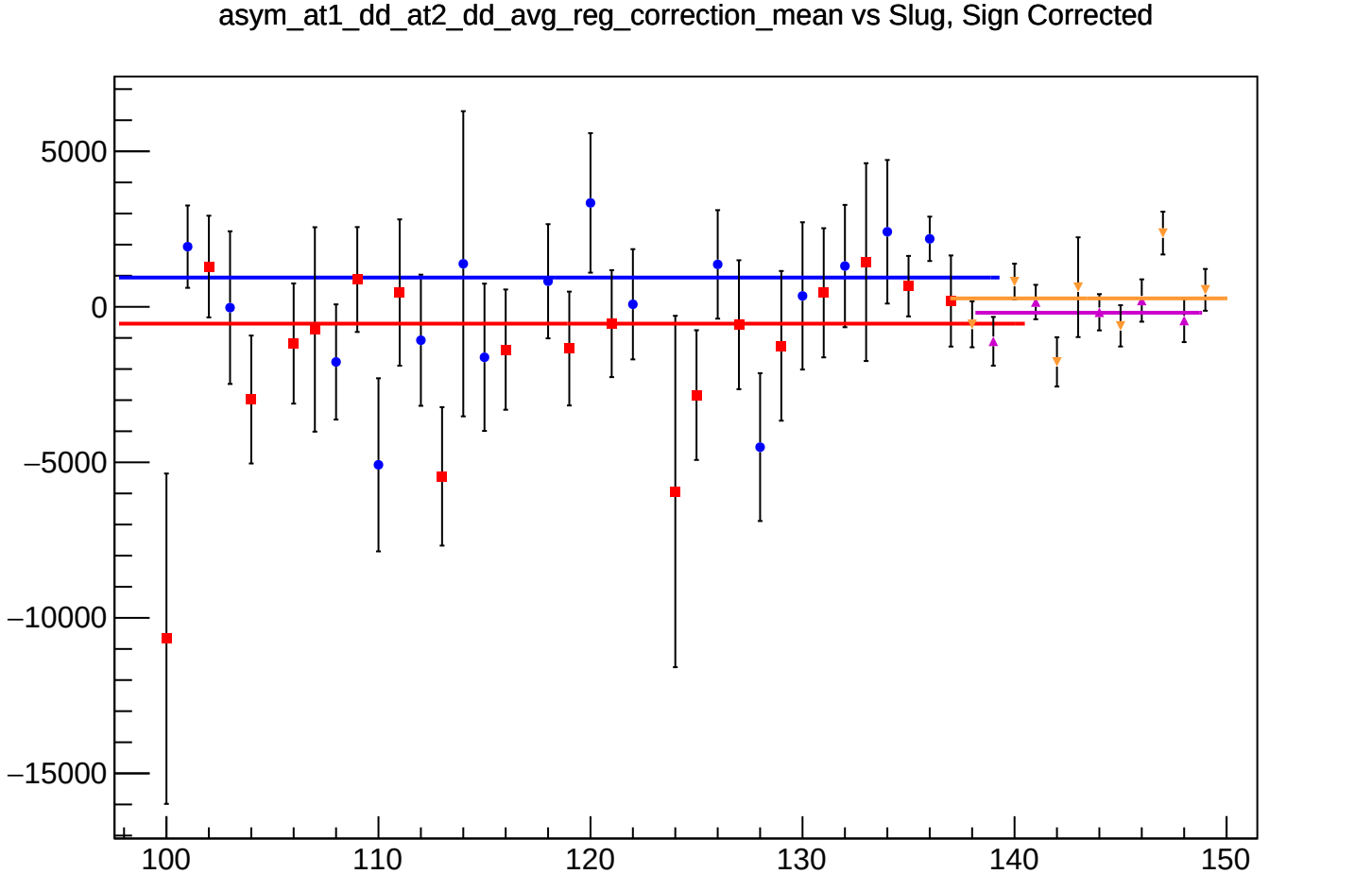
Left: 1302.276+/-0.296 χ^2/NDF: 153909.4/11

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1275.491+/-0.268 χ^2/NDF:528591.7/20

Out: 1298.699+/-0.261 χ^2/NDF:467410.4/25

All: 1287.412+/-0.187 χ^2/NDF: 999856.0/46



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 271.677+/-272.931 χ^2/NDF:20.1/6

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -189.835+/-288.021 χ^2/NDF:2.2/4

Left: 53.327+/-198.111 χ^2/NDF: 23.7/11

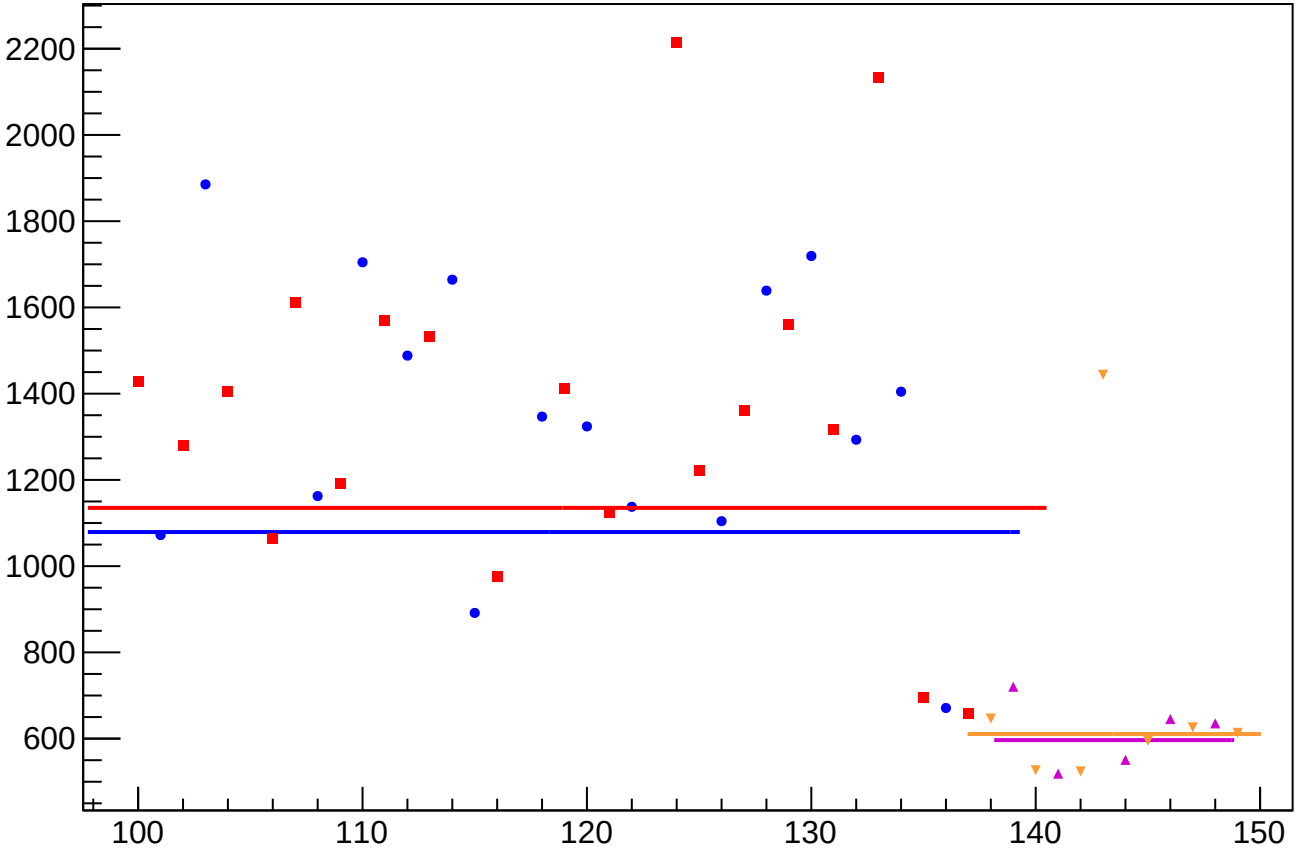
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 165.349+/-238.575 χ^2/NDF:27.0/20

Out: 45.903+/-231.920 χ^2/NDF:39.7/25

All: 103.937+/-166.295 χ^2/NDF: 66.8/46

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: 610.729+/-0.193 χ^2/NDF:613238.9/6

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 596.560+/-0.204 χ^2/NDF:118118.4/4

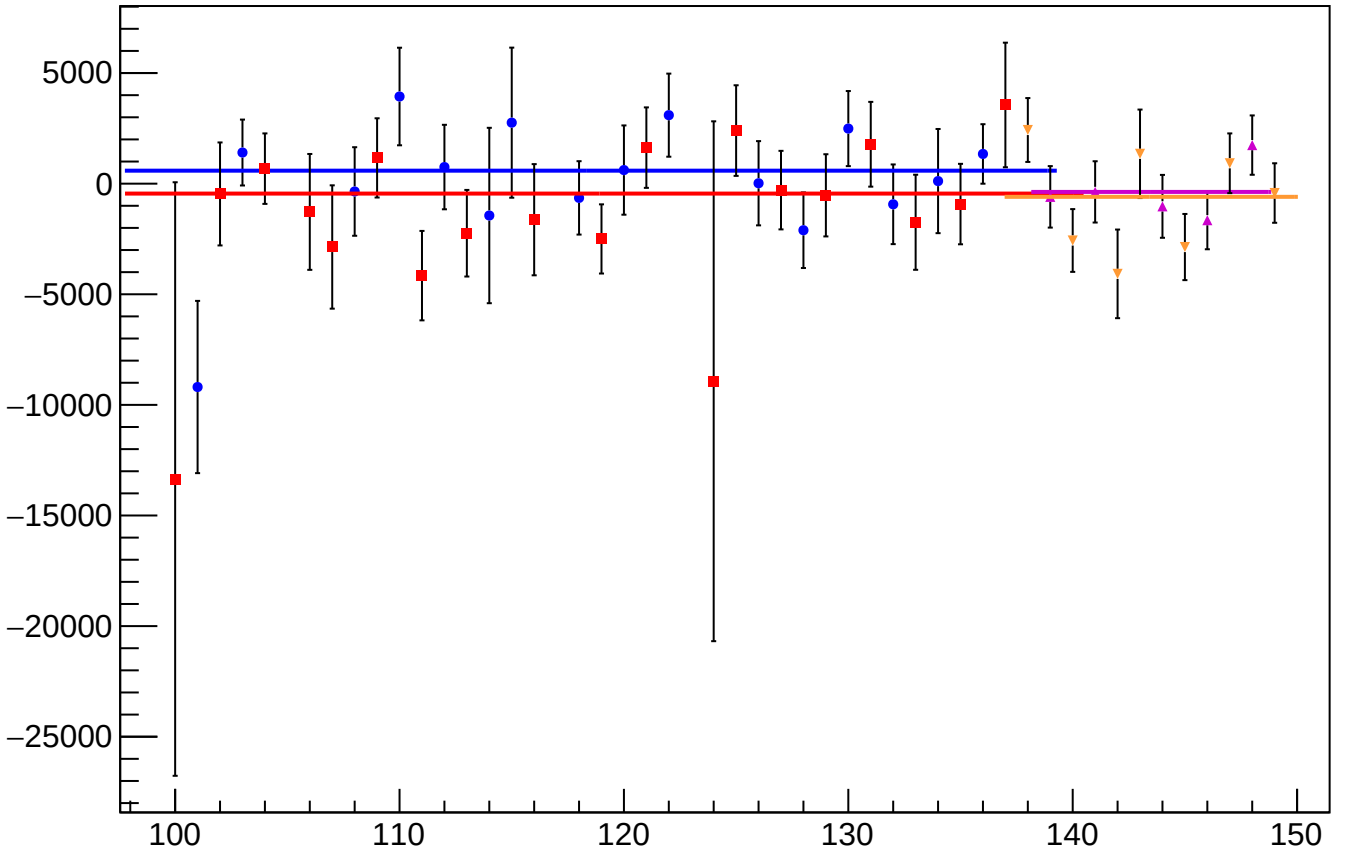
Left: 604.025+/-0.140 χ^2/NDF: 733907.3/11

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 748.026+/-0.169 χ^2/NDF:3362511.0/20

Out: 756.492+/-0.164 χ^2/NDF:3958718.4/25

All: 752.379+/-0.118 χ^2/NDF: 7322524.3/46



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -373.407+/-612.184 χ^2/NDF:3.7/4

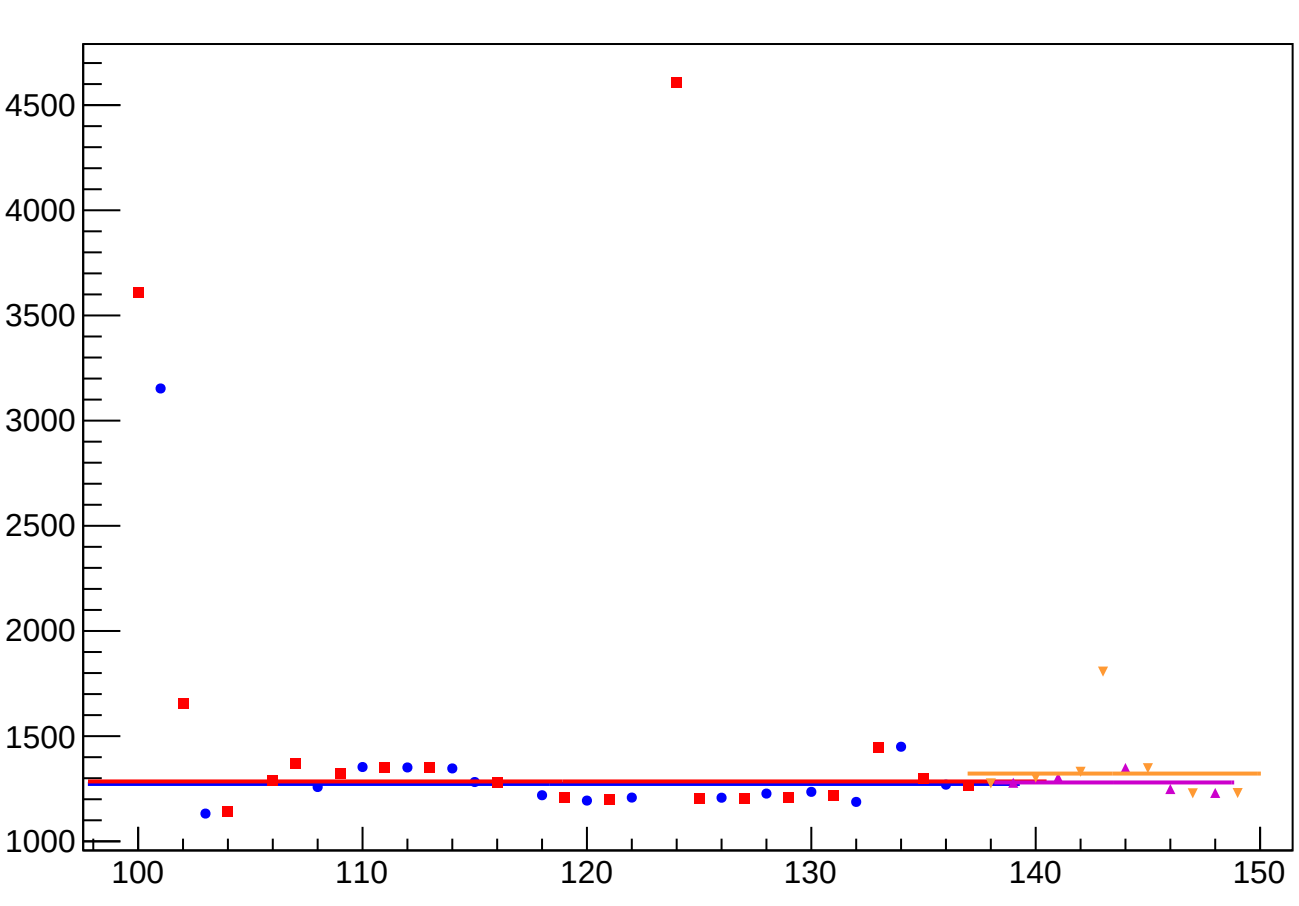
Left: -491.360+/-419.124 χ^2/NDF: 17.6/11

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 219.217+/-378.915 χ^2/NDF:22.2/20

Out: -508.982+/-369.091 χ^2/NDF:30.7/25

All: -154.445+/-264.392 χ^2/NDF: 54.8/46



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

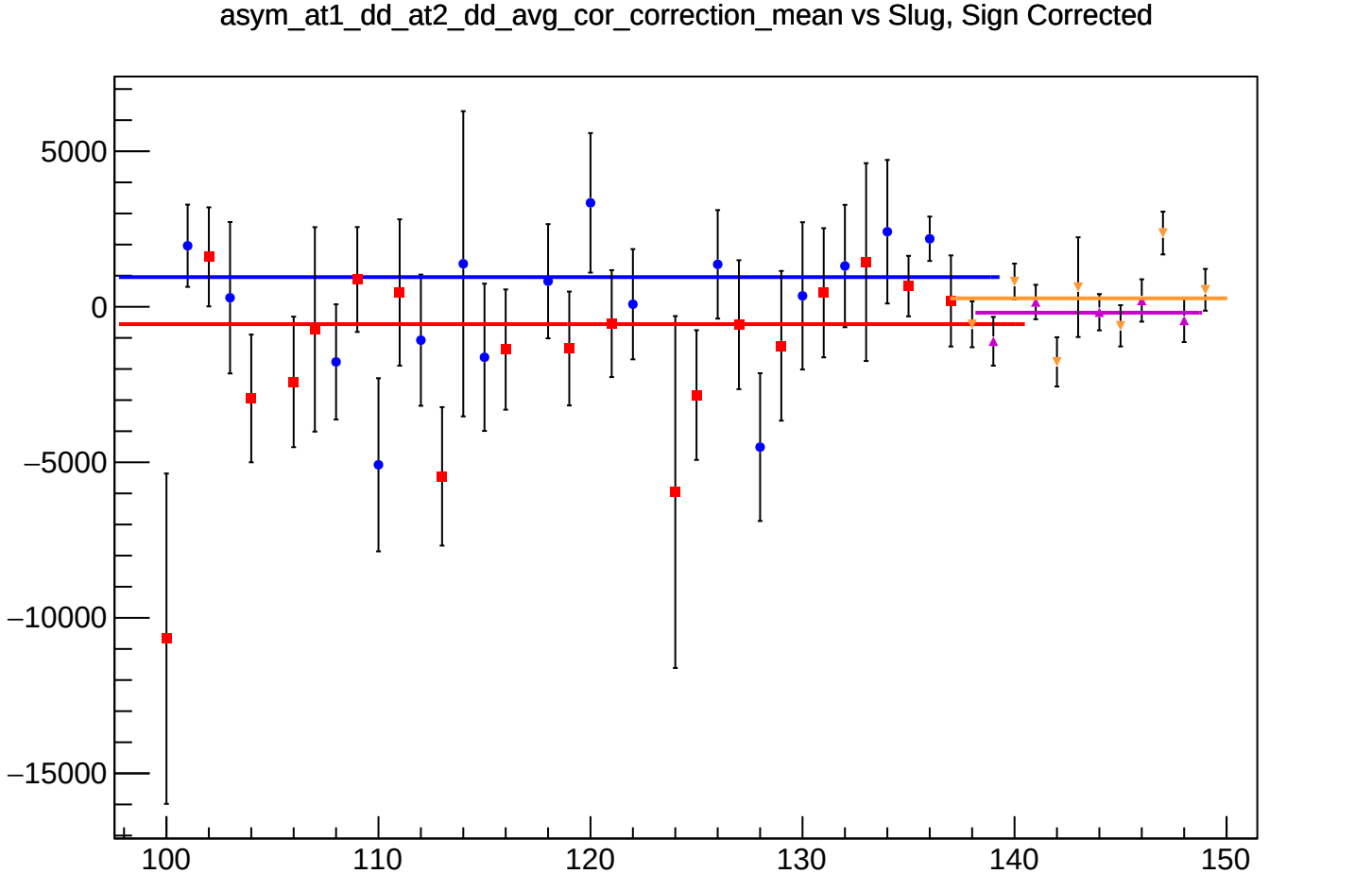
Left: 1302.276+/-0.296 χ^2/NDF: 153909.4/11

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1300.078+/-0.261 χ^2/NDF:473430.6/25

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 271.653+/-272.936 χ^2/NDF:20.1/6

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: 53.307+/-198.112 χ^2/NDF: 23.7/11

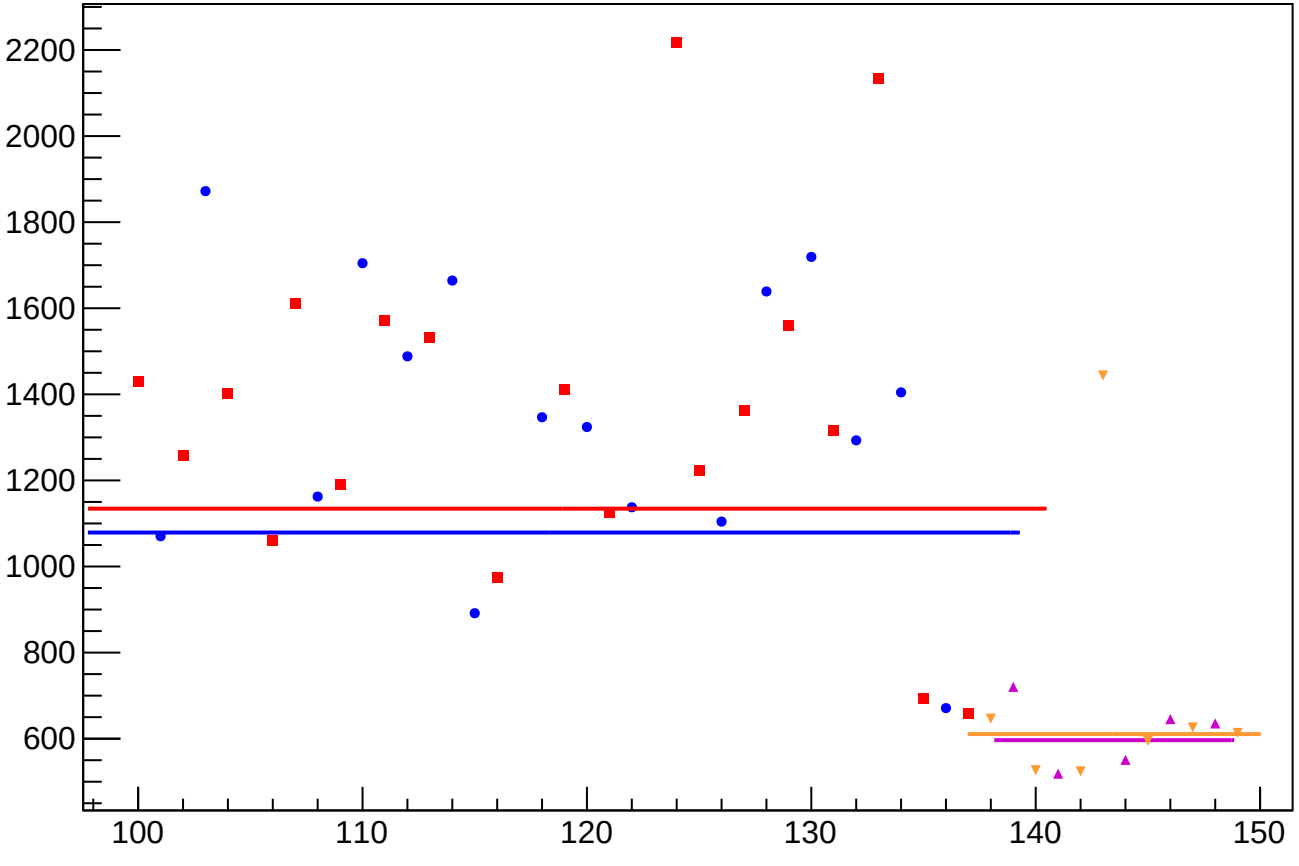
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: 41.711+/-232.048 χ^2/NDF:41.0/25

All: 103.811+/-166.331 χ^2/NDF: 68.2/46

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: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

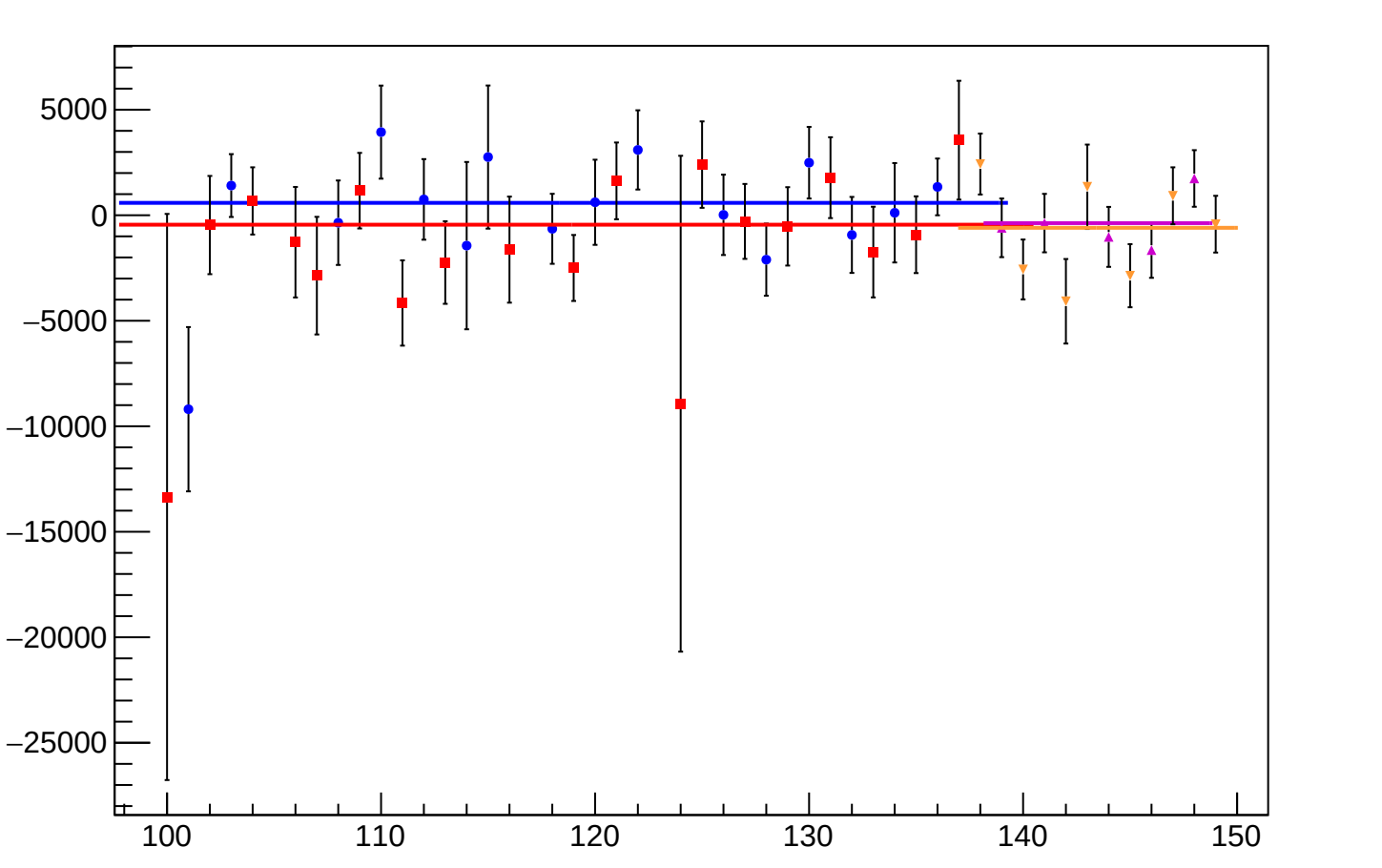
Left: 604.028+/-0.140 χ^2/NDF: 733879.7/11

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 755.894+/-0.164 χ^2/NDF:3942906.7/25

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -595.426+/-575.022 χ^2/NDF:13.9/6

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -373.407+/-612.184 χ^2/NDF:3.7/4

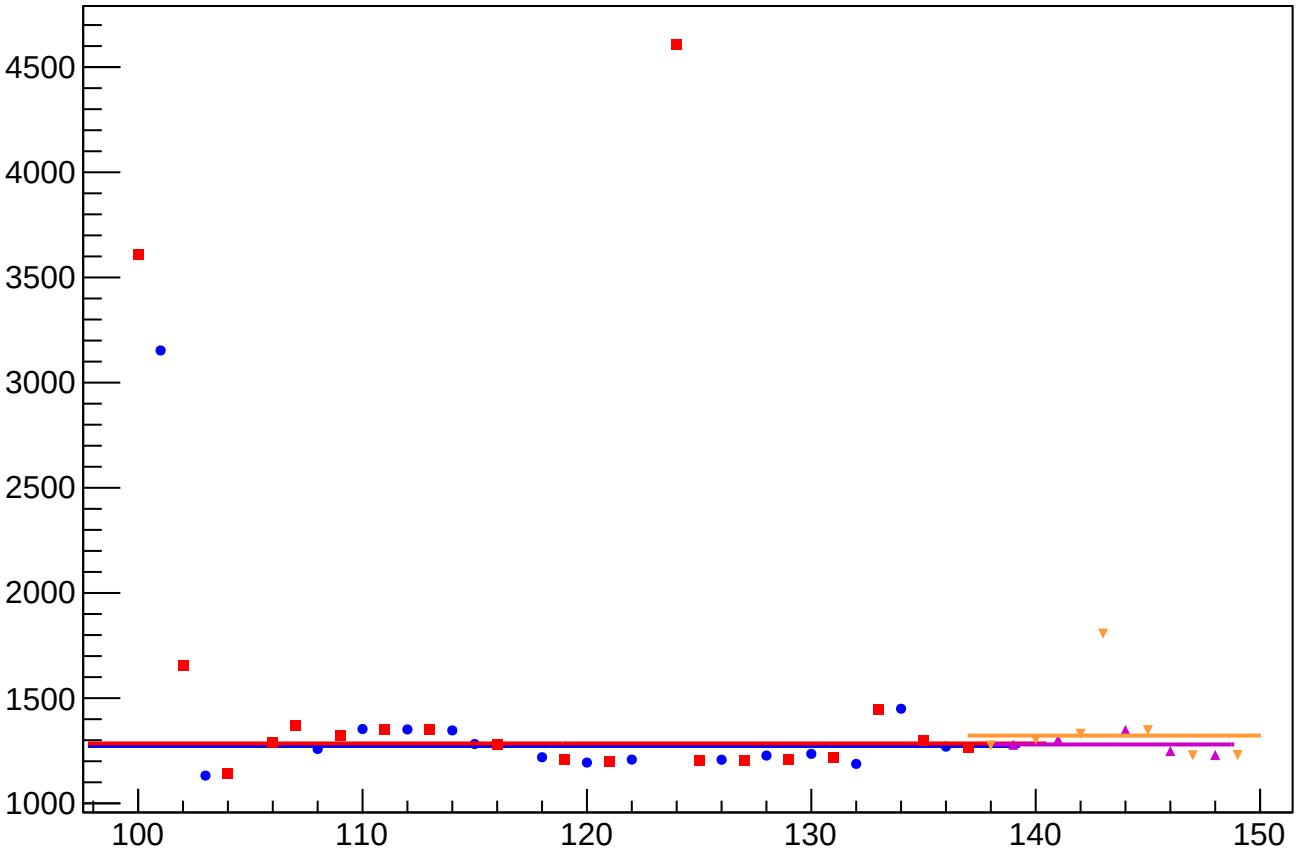
Left: -491.360+/-419.124 χ^2/NDF: 17.6/11

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 219.217+/-378.915 χ^2/NDF:22.2/20

Out: -508.982+/-369.091 χ^2/NDF:30.7/25

All: -154.445+/-264.392 χ^2/NDF: 54.8/46



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1322.091+/-0.407 χ^2/NDF:139711.0/6

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1279.817+/-0.433 χ^2/NDF:9131.6/4

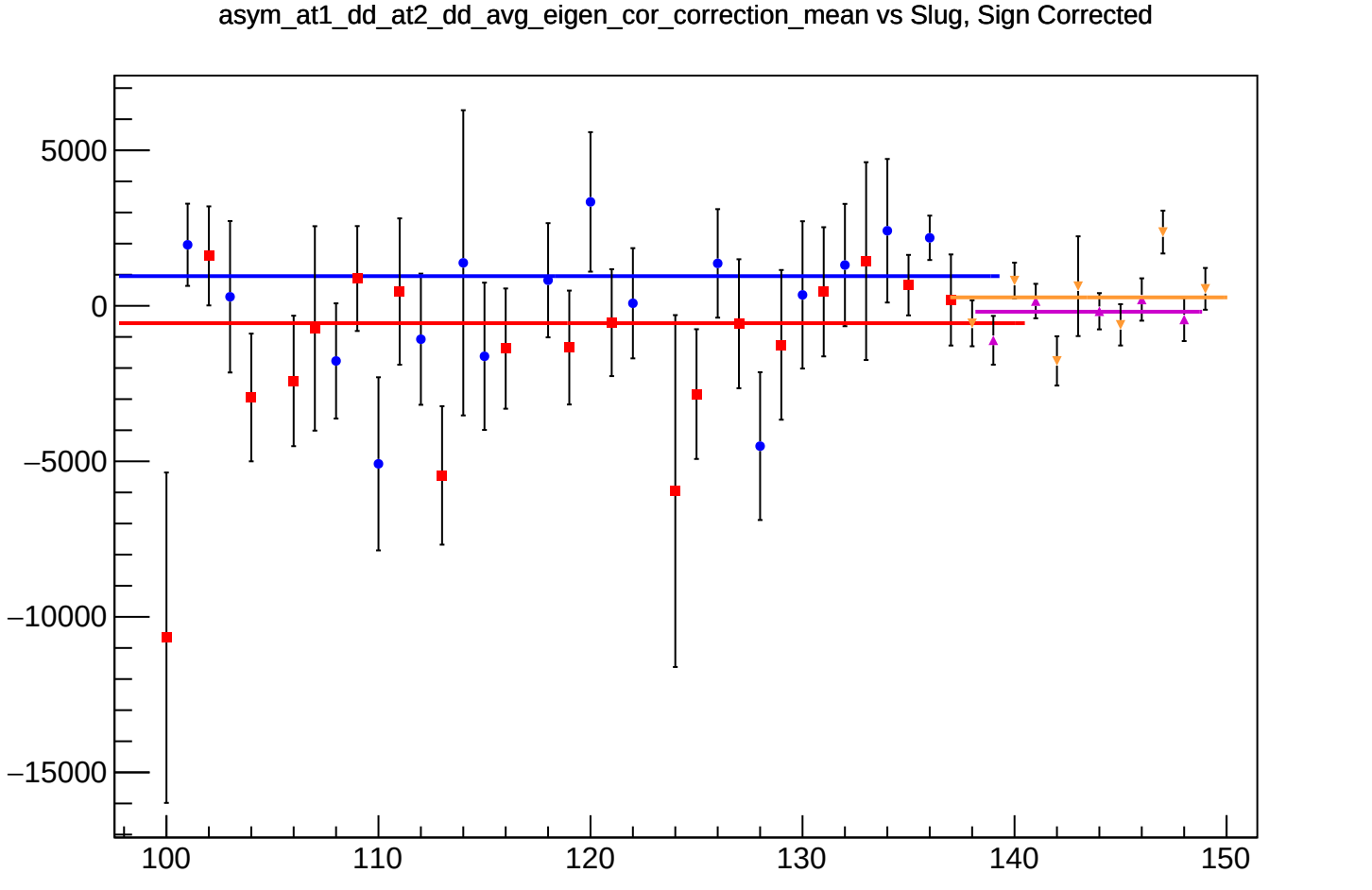
Left: 1302.276+/-0.296 χ^2/NDF: 153909.4/11

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1275.491+/-0.268 χ^2/NDF:528593.1/20

Out: 1300.078+/-0.261 χ^2/NDF:473430.6/25

All: 1288.107+/-0.187 χ^2/NDF: 1006344.9/46



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 271.653+/-272.936 χ^2/NDF:20.1/6

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: 53.307+/-198.112 χ^2/NDF: 23.7/11

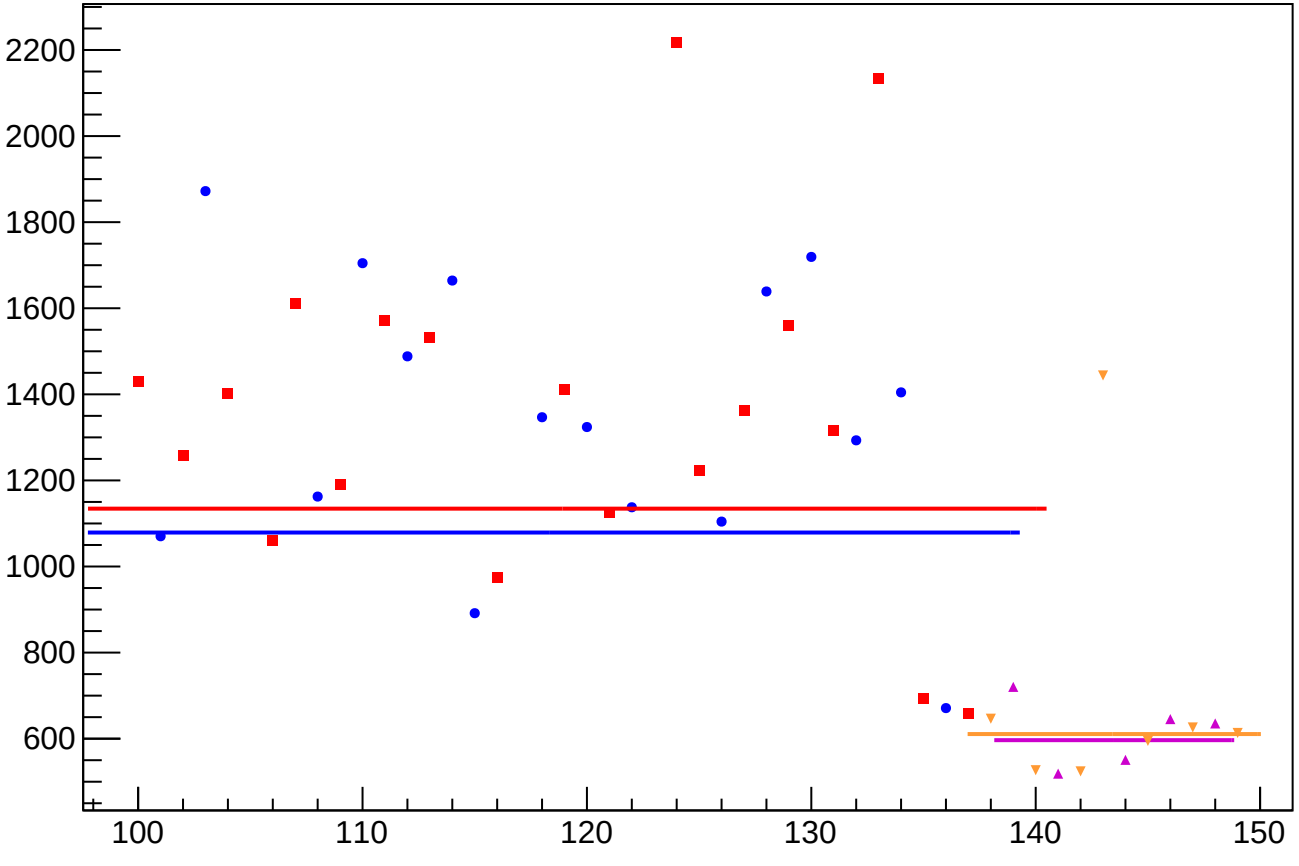
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 169.434+/-238.542 χ^2/NDF:27.0/20

Out: 41.711+/-232.048 χ^2/NDF:41.0/25

All: 103.811+/-166.331 χ^2/NDF: 68.2/46

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: 610.741+/-0.193 χ^2/NDF:613184.3/6

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 596.553+/-0.204 χ^2/NDF:118138.1/4

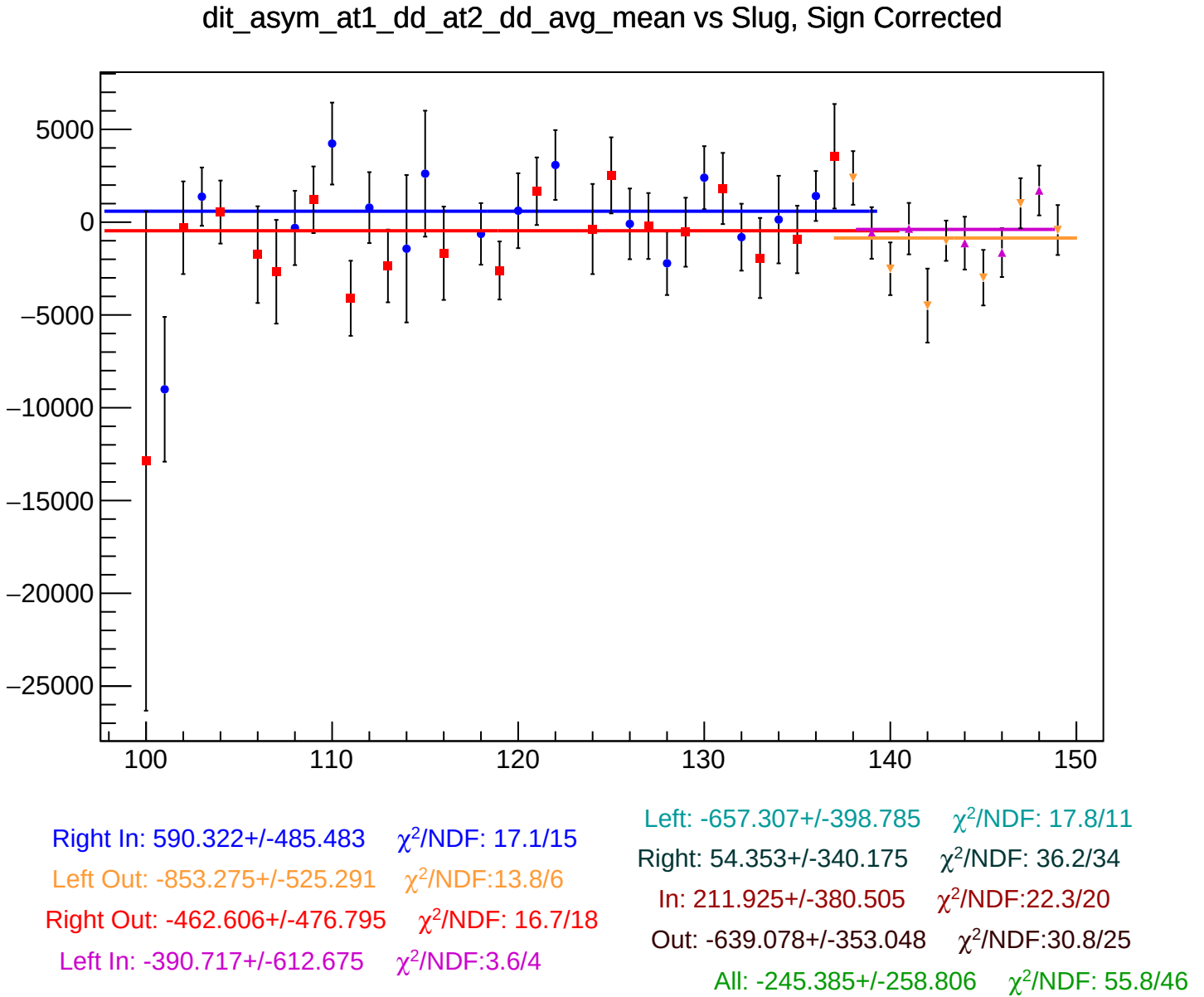
Left: 604.028+/-0.140 χ^2/NDF: 733879.7/11

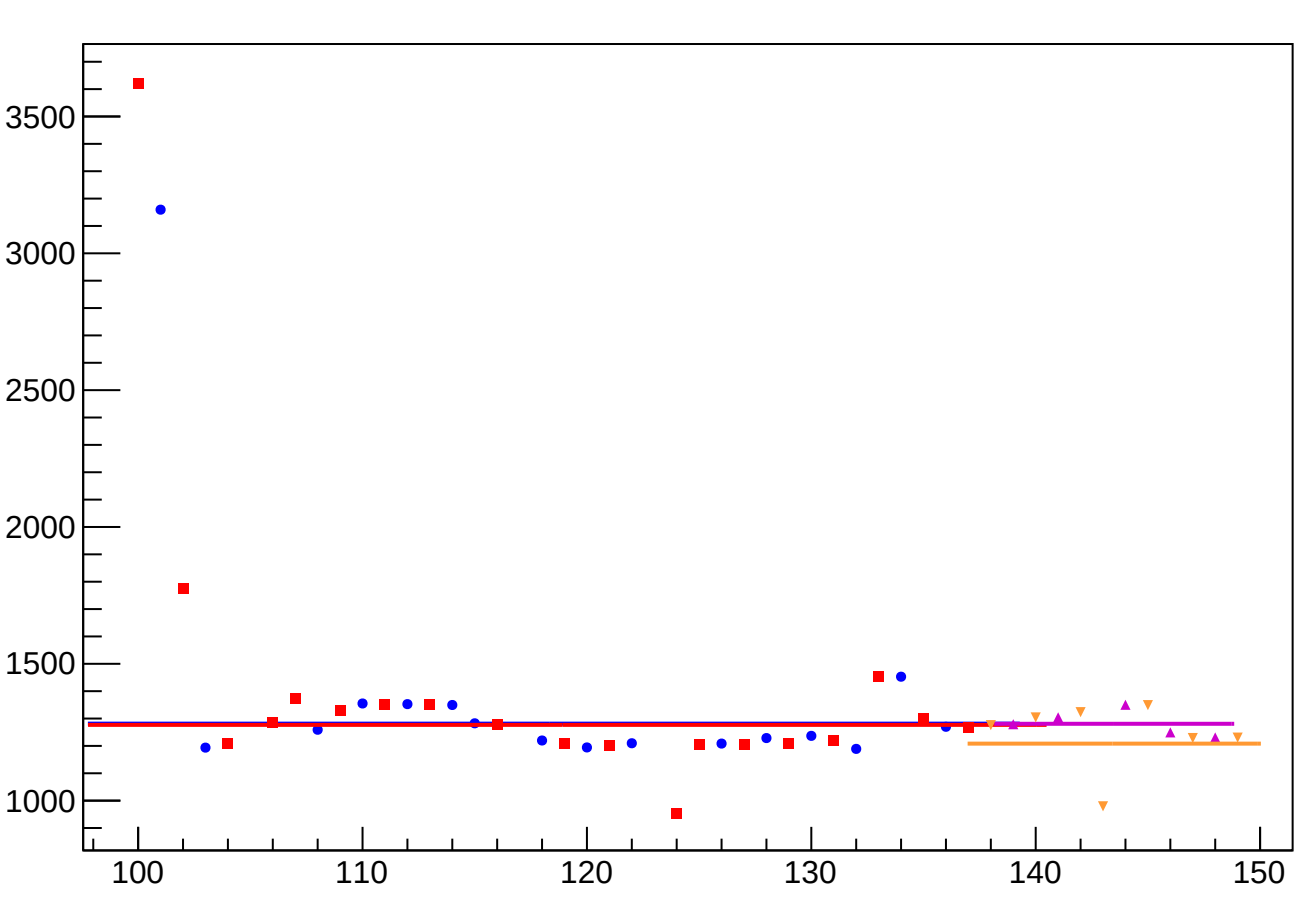
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 748.045+/-0.169 χ^2/NDF:3358717.2/20

Out: 755.894+/-0.164 χ^2/NDF:3942906.7/25

All: 752.078+/-0.118 χ^2/NDF: 7302736.6/46


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -853.275+/-525.291 χ²/NDF:13.8/6
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -390.717+/-612.675 χ²/NDF:3.6/4
Left: -657.307+/-398.785 χ²/NDF: 17.8/11
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 211.925+/-380.505 χ²/NDF:22.3/20
Out: -639.078+/-353.048 χ²/NDF:30.8/25
All: -245.385+/-258.806 χ²/NDF: 55.8/46



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1208.314+/-0.371 χ^2/NDF:128094.1/6

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

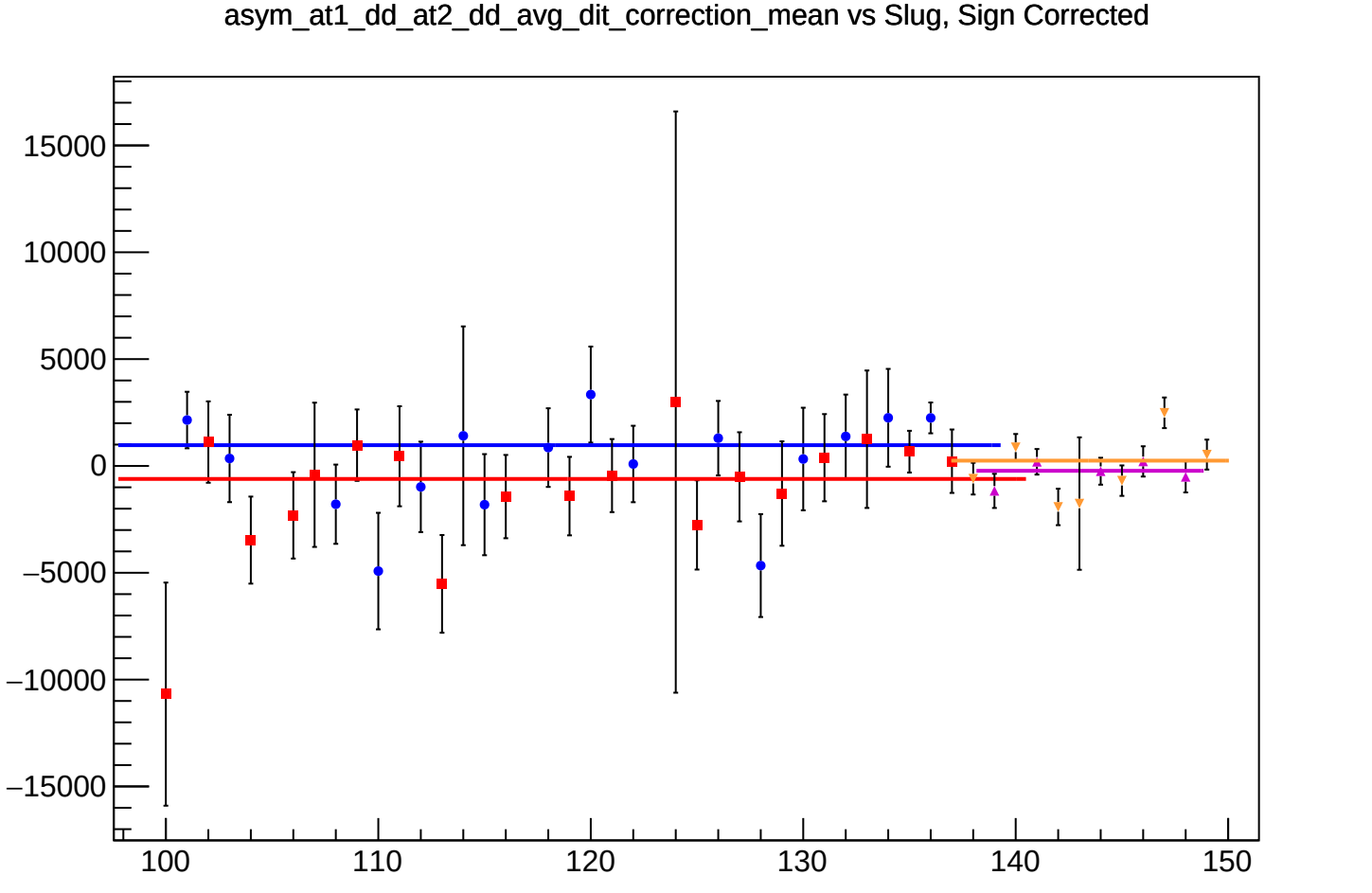
Left: 1239.037+/-0.282 χ^2/NDF: 153494.3/11

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

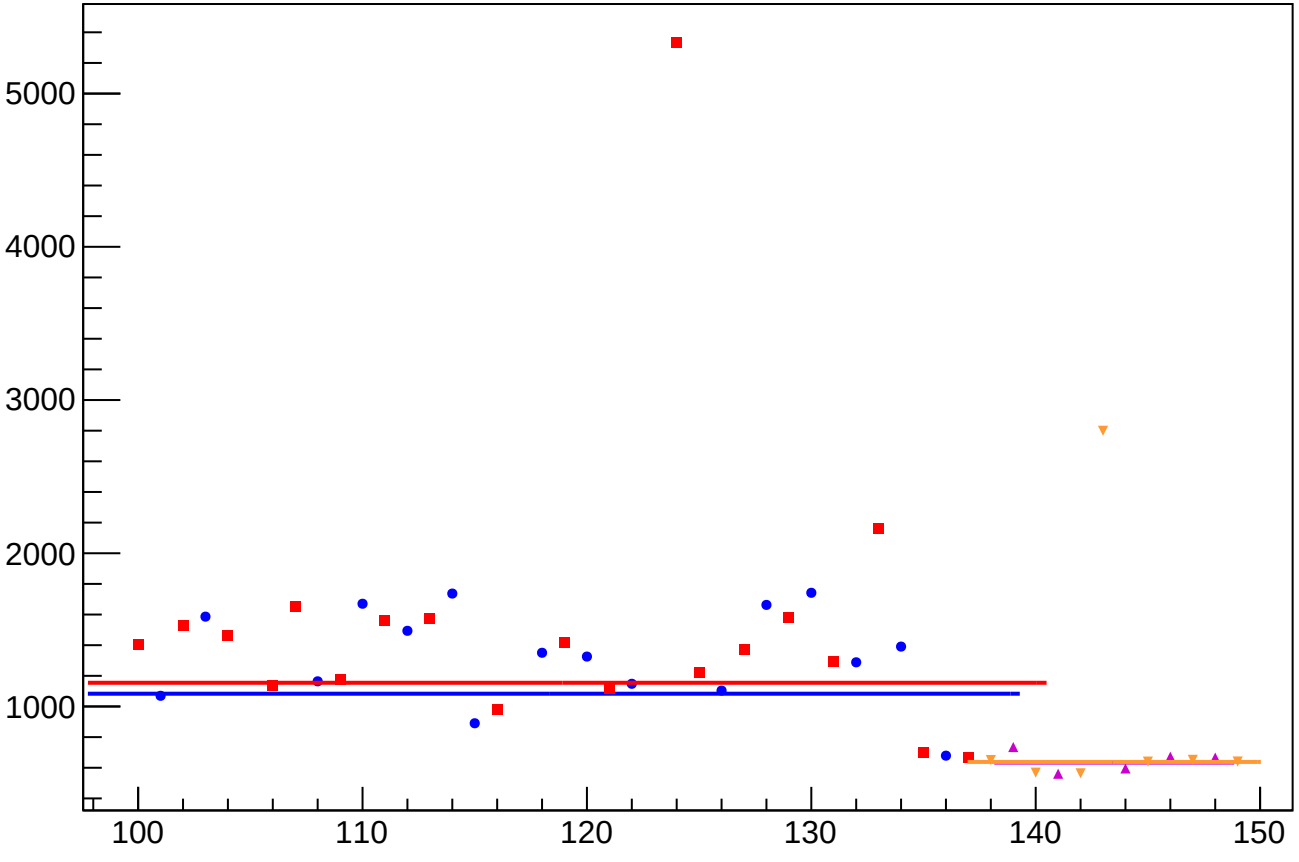
In: 1281.162+/-0.269 χ^2/NDF:516330.9/20

Out: 1245.897+/-0.250 χ^2/NDF:367280.2/25

All: 1262.211+/-0.183 χ^2/NDF: 892842.7/46


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 247.934+/-290.815 χ²/NDF:20.8/6
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -227.704+/-305.096 χ²/NDF:2.4/4
Left: 21.507+/-210.505 χ²/NDF: 24.5/11
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 180.115+/-247.889 χ²/NDF:28.1/20
Out: -6.156+/-243.884 χ²/NDF:40.5/25
All: 85.463+/-173.851 χ²/NDF: 68.9/46

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: 638.123+/-0.206 χ^2/NDF:1014470.1/6

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 633.559+/-0.216 χ^2/NDF:78993.3/4

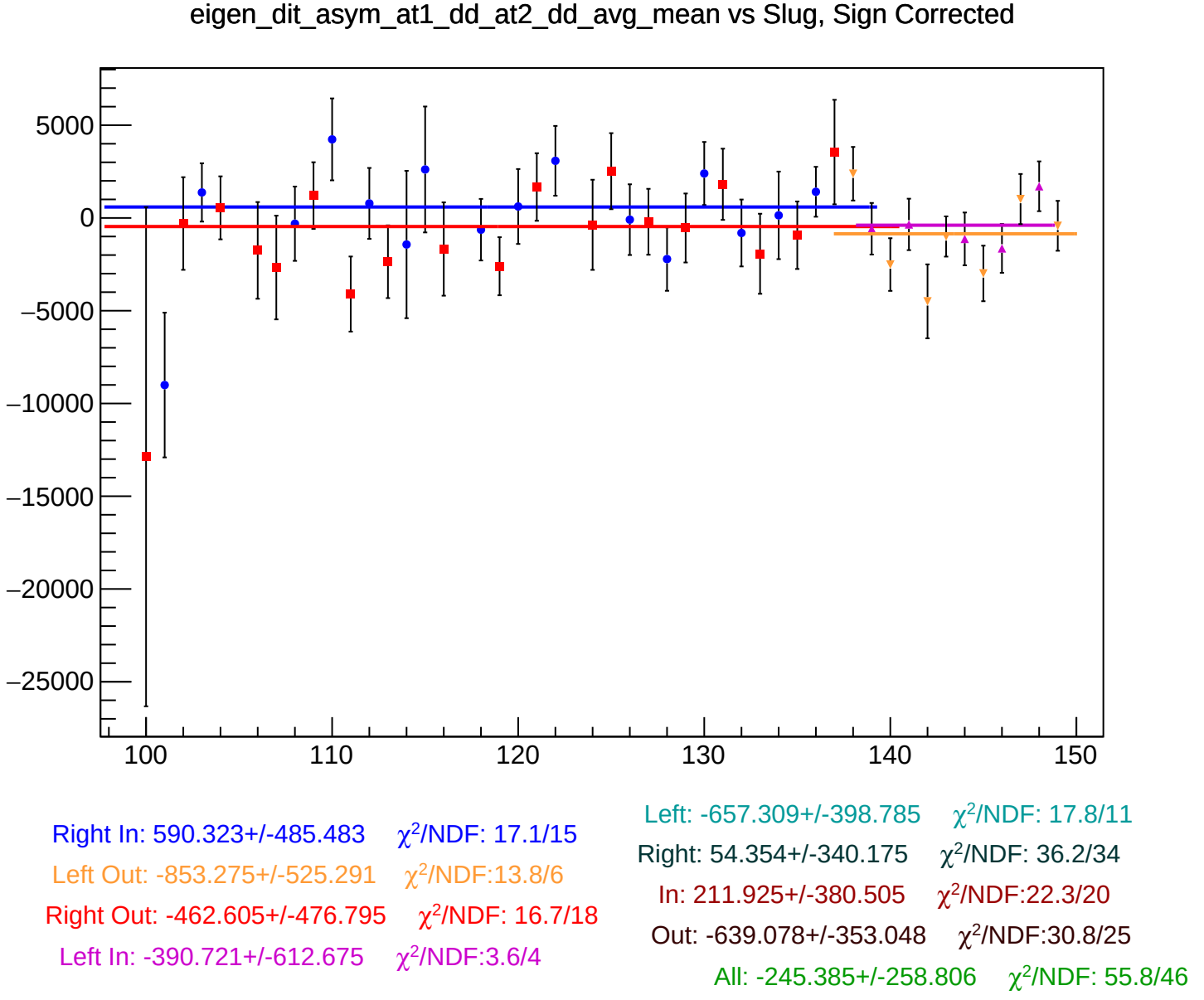
Left: 635.950+/-0.149 χ^2/NDF: 1093697.9/11

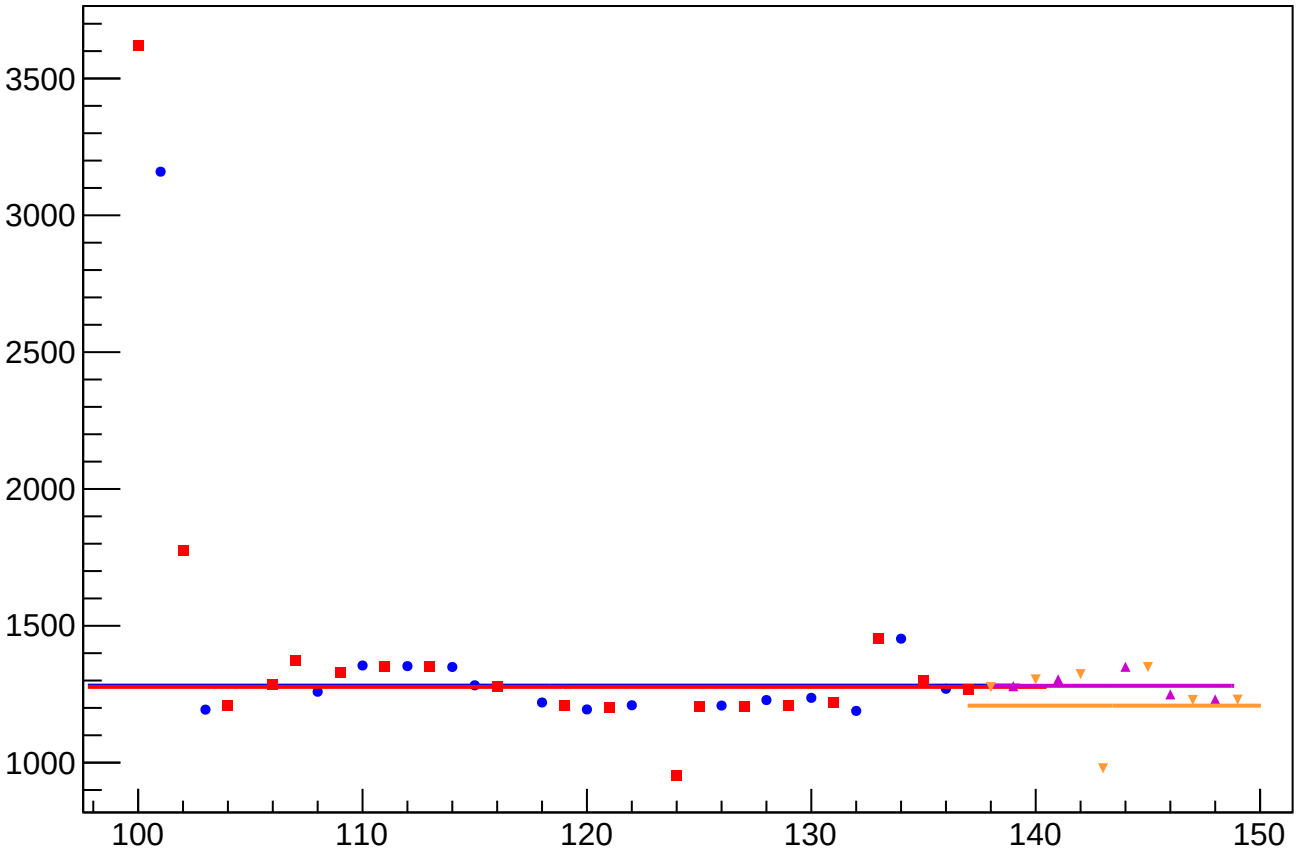
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 786.416+/-0.175 χ^2/NDF:2916341.6/20

Out: 791.402+/-0.172 χ^2/NDF:4375342.0/25

All: 788.950+/-0.123 χ^2/NDF: 7292094.7/46


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -853.275+/-525.291 χ²/NDF:13.8/6
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -390.721+/-612.675 χ²/NDF:3.6/4
Left: -657.309+/-398.785 χ²/NDF: 17.8/11
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 211.925+/-380.505 χ²/NDF:22.3/20
Out: -639.078+/-353.048 χ²/NDF:30.8/25
All: -245.385+/-258.806 χ²/NDF: 55.8/46



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1208.314+/-0.371 χ^2/NDF:128093.5/6

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1280.832+/-0.433 χ^2/NDF:9251.5/4

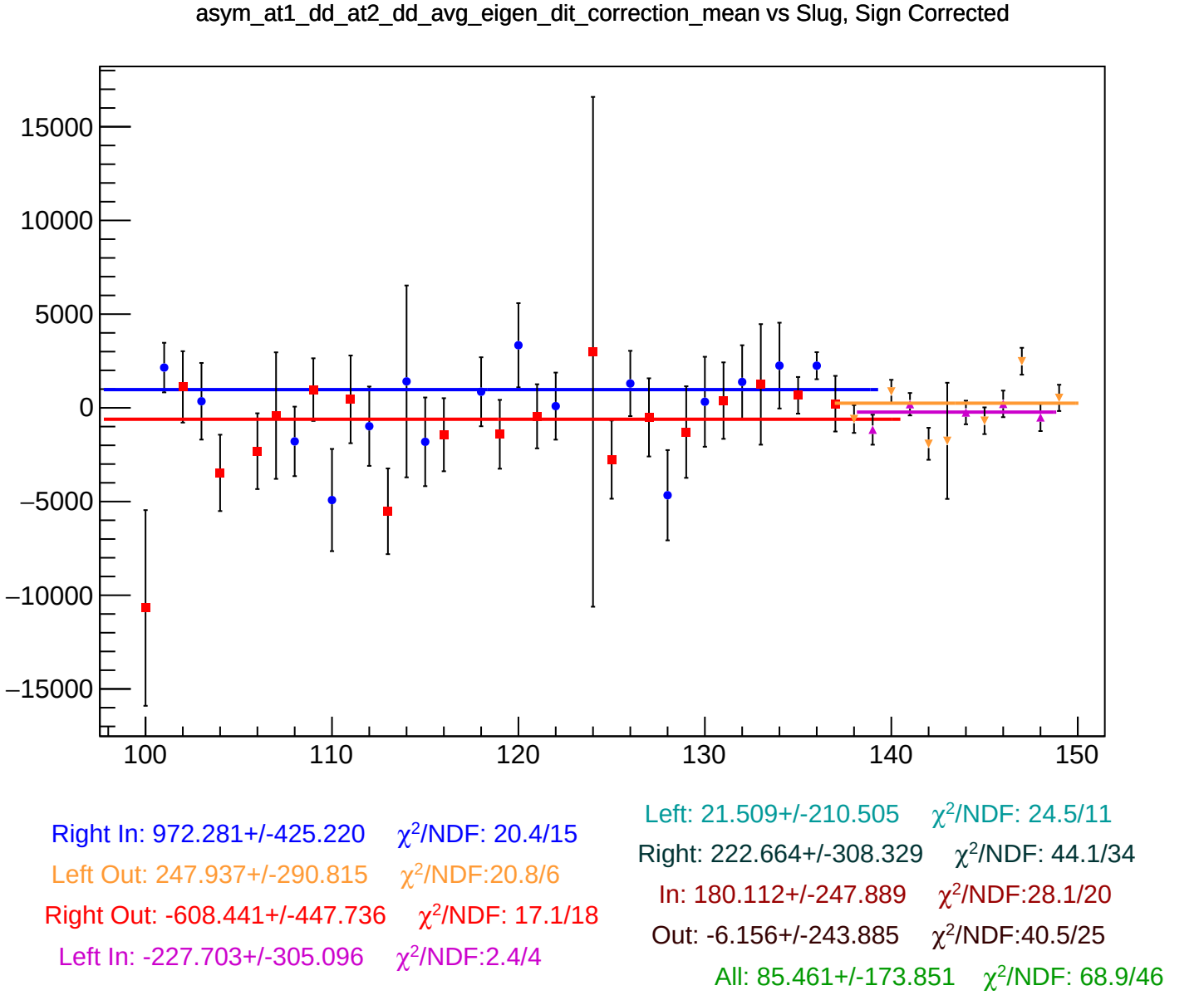
Left: 1239.037+/-0.282 χ^2/NDF: 153493.6/11

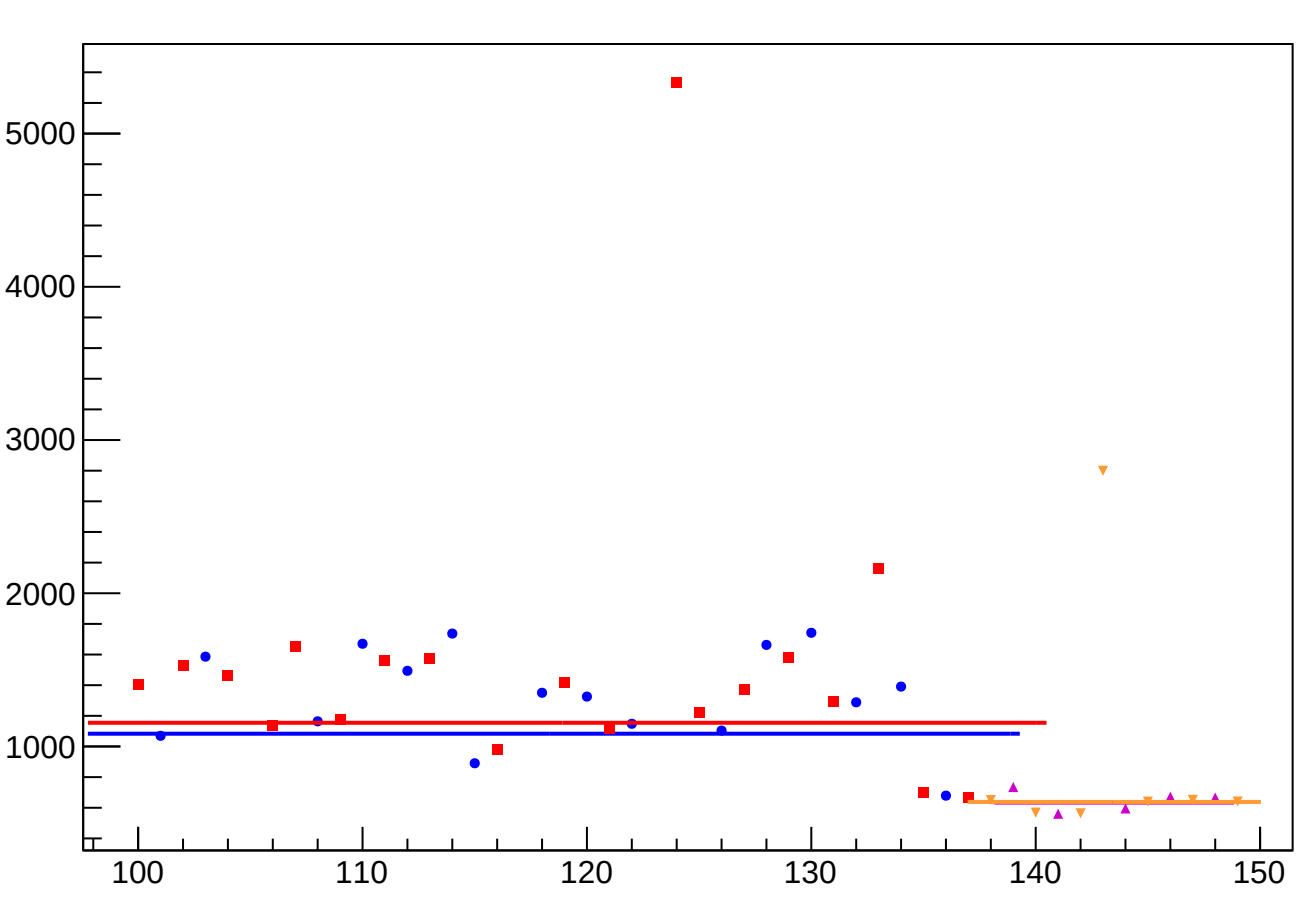
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

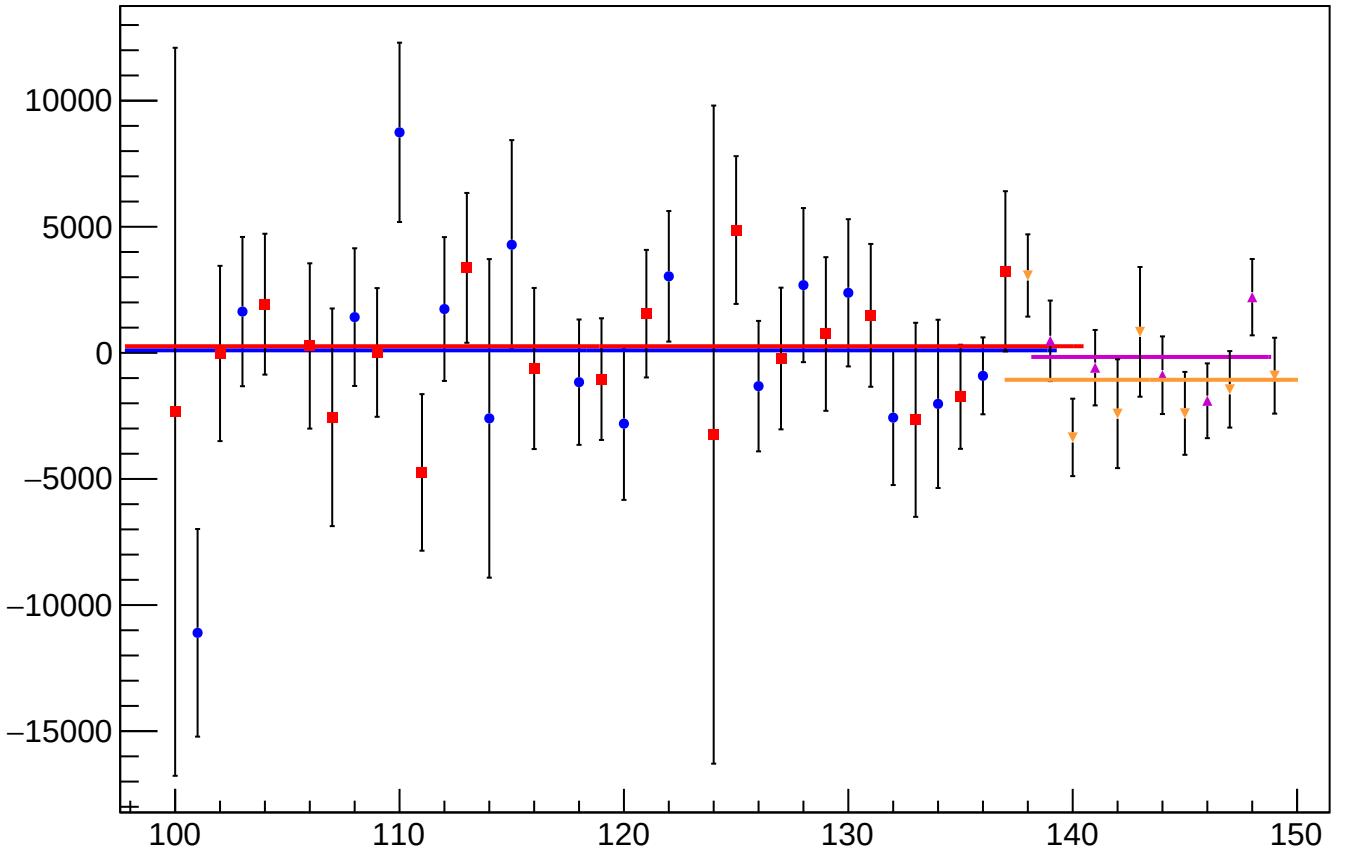
In: 1281.162+/-0.269 χ^2/NDF:516331.1/20

Out: 1245.897+/-0.250 χ^2/NDF:367279.2/25

All: 1262.211+/-0.183 χ^2/NDF: 892841.8/46


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 247.937+/-290.815 χ²/NDF:20.8/6
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -227.703+/-305.096 χ²/NDF:2.4/4
Left: 21.509+/-210.505 χ²/NDF: 24.5/11
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 180.112+/-247.889 χ²/NDF:28.1/20
Out: -6.156+/-243.885 χ²/NDF:40.5/25
All: 85.461+/-173.851 χ²/NDF: 68.9/46


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 638.125+/-0.206 χ²/NDF:1014468.0/6
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 633.559+/-0.216 χ²/NDF:78995.9/4
Left: 635.951+/-0.149 χ²/NDF: 1093698.5/11
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 786.417+/-0.175 χ²/NDF:2916323.5/20
Out: 791.406+/-0.172 χ²/NDF:4375310.0/25
All: 788.952+/-0.123 χ²/NDF: 7292045.0/46



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1068.414+/-643.809 χ^2/NDF:10.3/6

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -162.584+/-681.529 χ^2/NDF:4.3/4

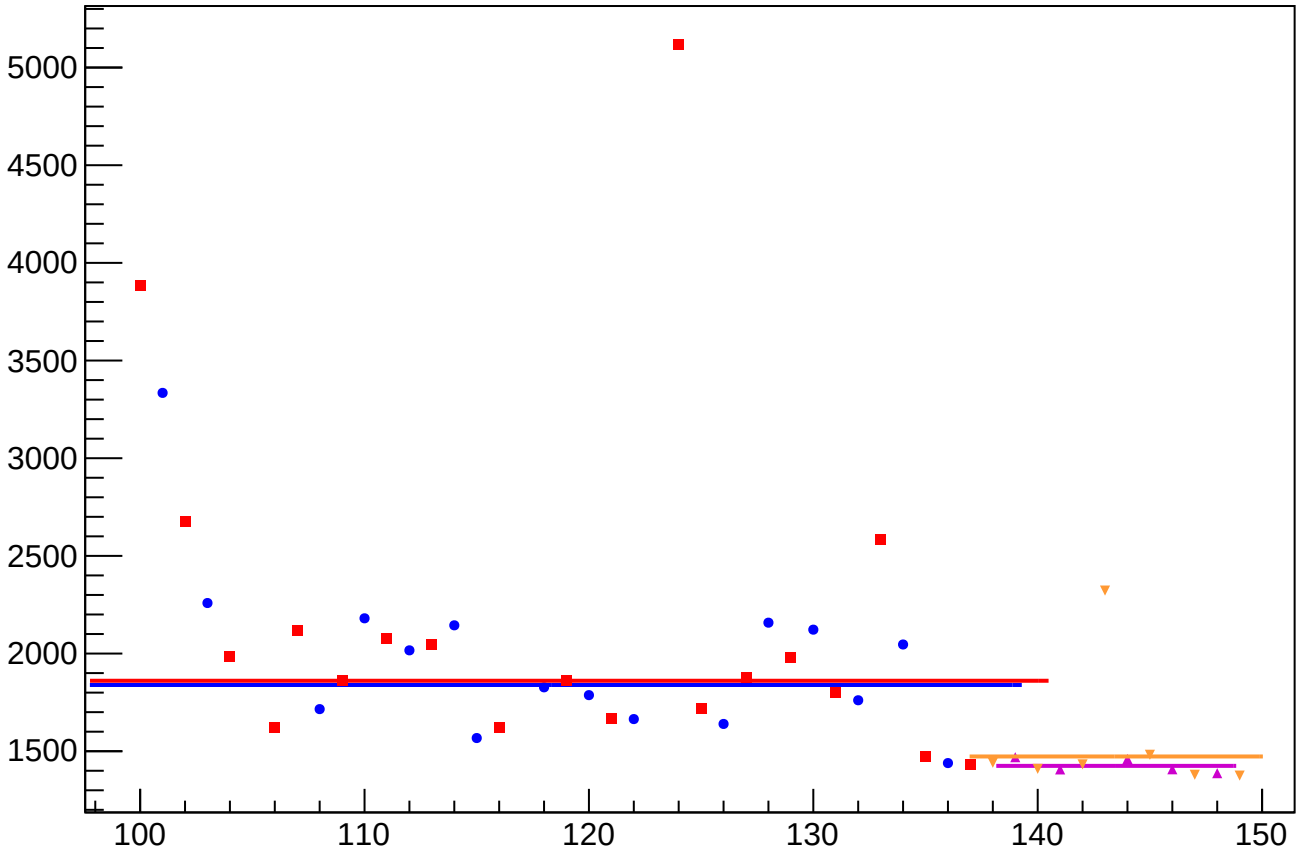
Left: -641.259+/-468.009 χ^2/NDF: 15.5/11

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -34.391+/-487.968 χ^2/NDF:25.7/20

Out: -458.146+/-473.778 χ^2/NDF:22.6/25

All: -252.519+/-339.917 χ^2/NDF: 48.6/46



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1473.121+/-0.455 χ^2/NDF:239086.8/6

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1425.036+/-0.482 χ^2/NDF:4393.4/4

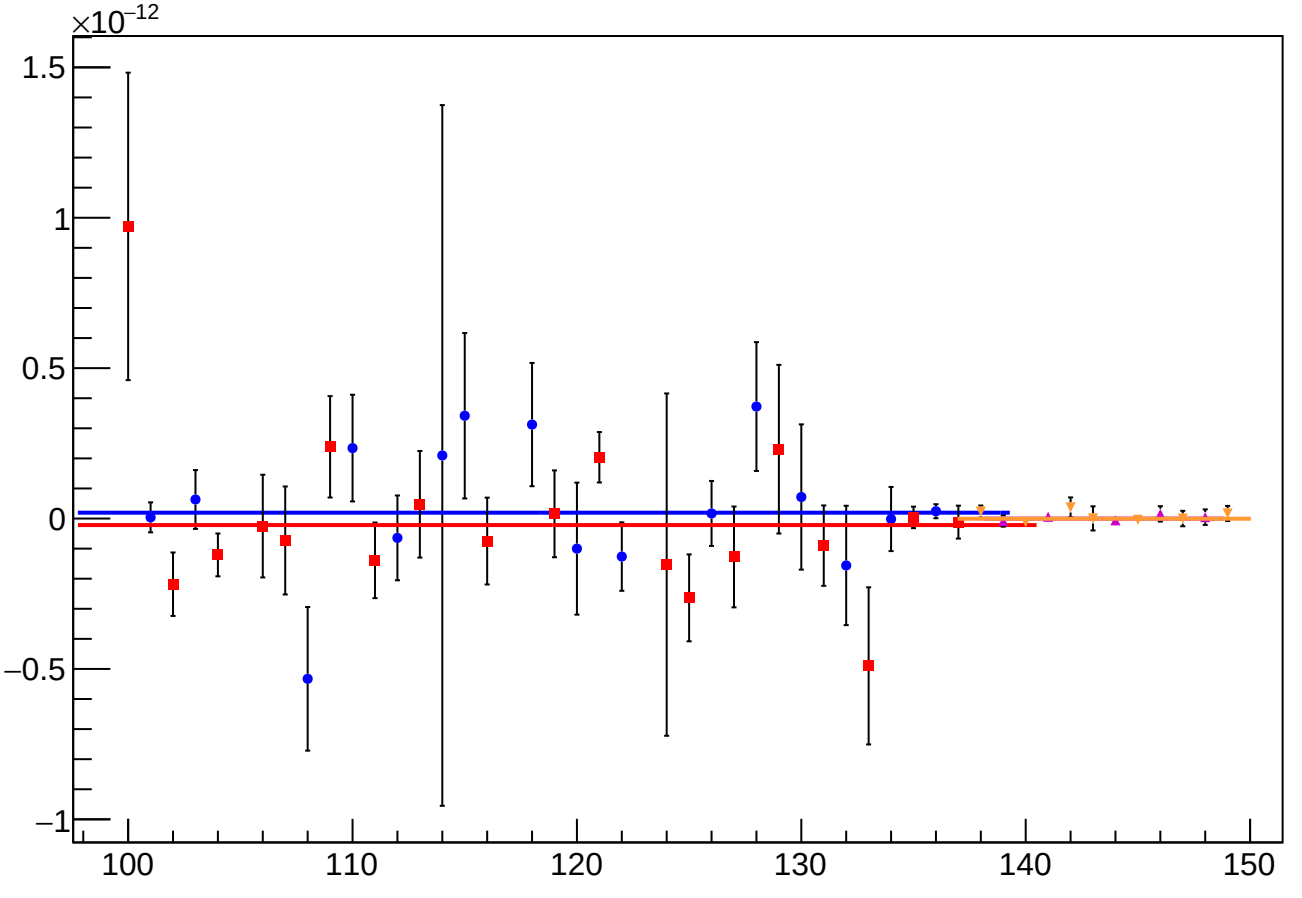
Left: 1450.446+/-0.331 χ^2/NDF: 248741.3/11

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1626.841+/-0.345 χ^2/NDF:920929.1/20

Out: 1650.835+/-0.335 χ^2/NDF:1093599.1/25

All: 1639.192+/-0.240 χ^2/NDF: 2017017.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/6

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: 5.4/11

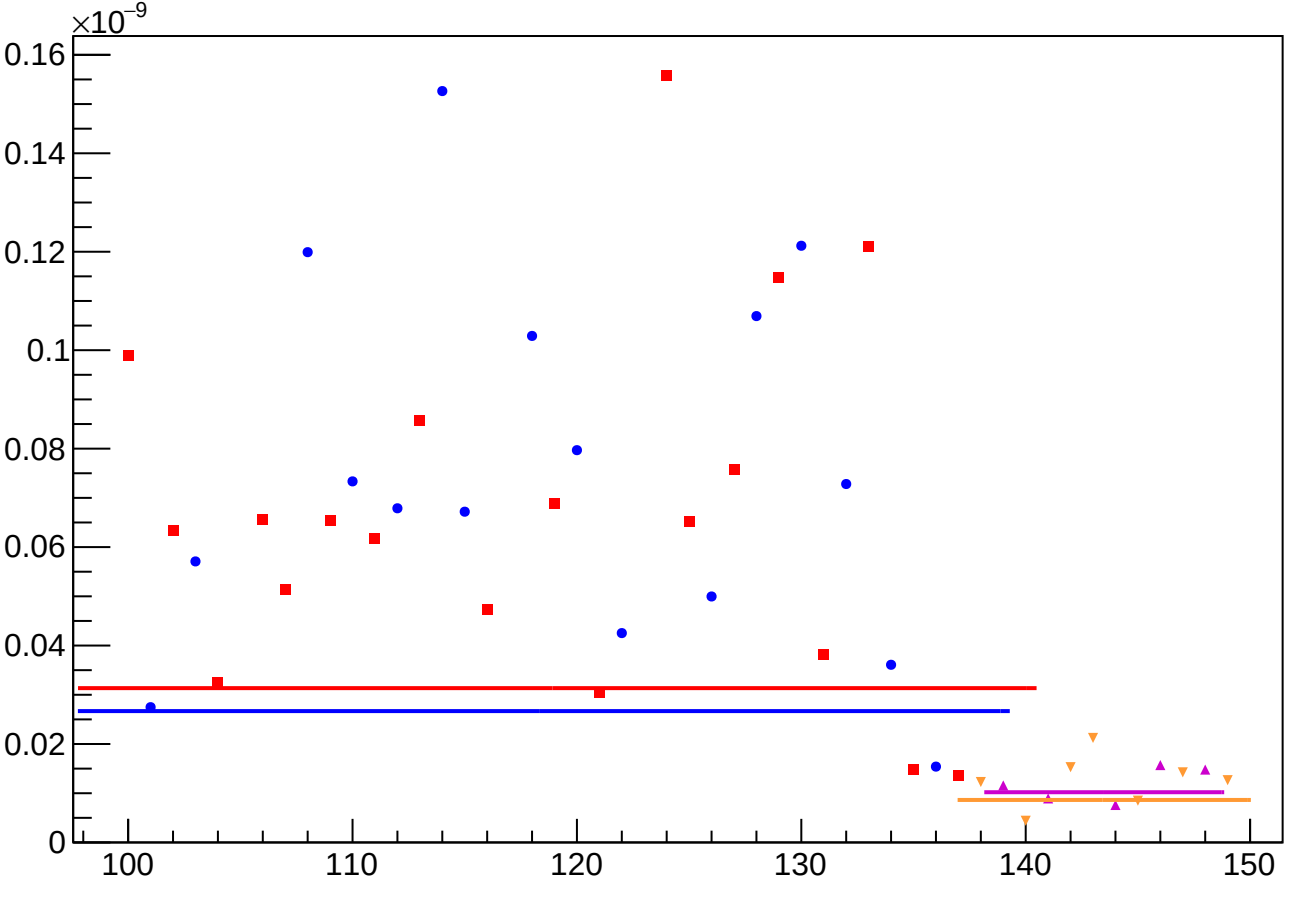
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.3/20

Out: -0.000+/-0.000 χ^2/NDF:33.5/25

All: -0.000+/-0.000 χ^2/NDF: 52.1/46

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:802333.7/6

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: 1100978.8/11

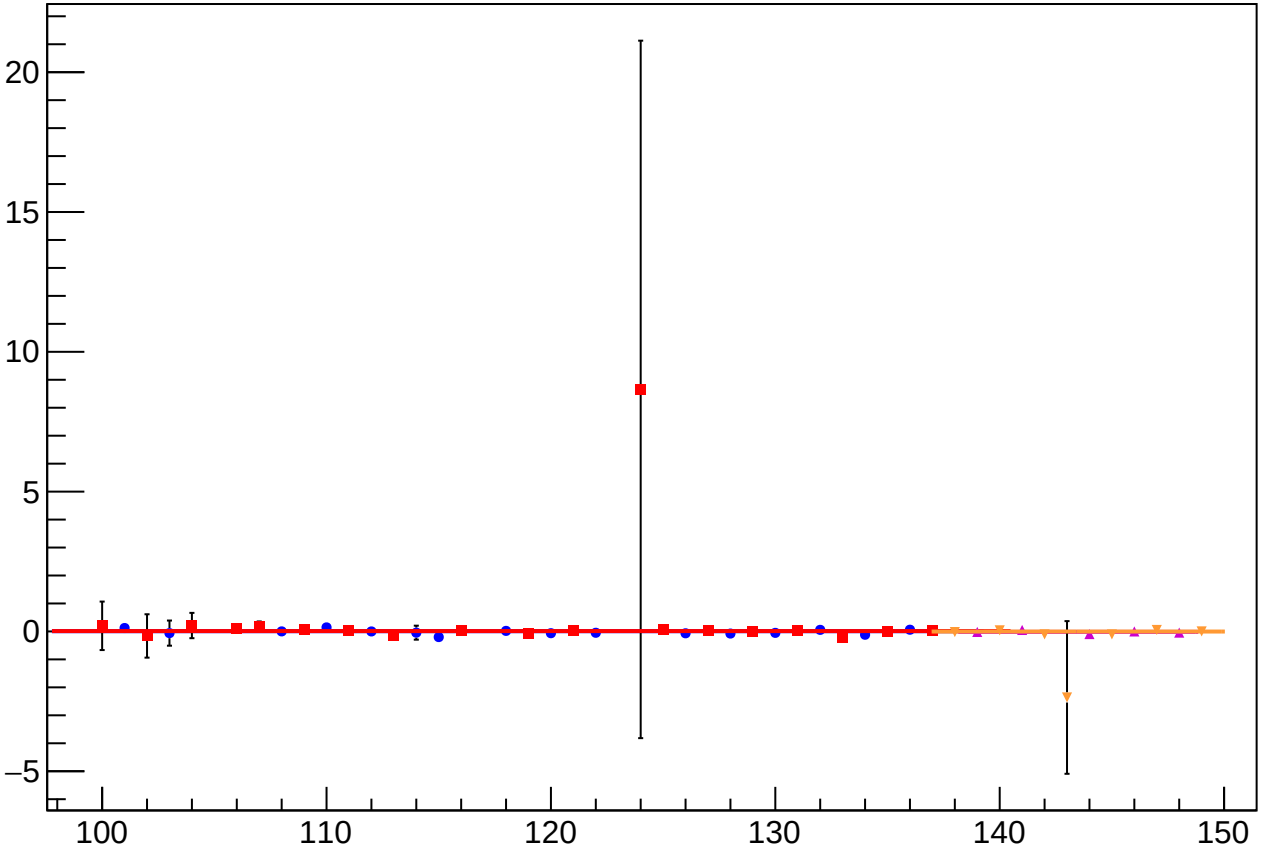
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4132618.0/20

Out: 0.000+/-0.000 χ^2/NDF:4964948.9/25

All: 0.000+/-0.000 χ^2/NDF: 9184176.5/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

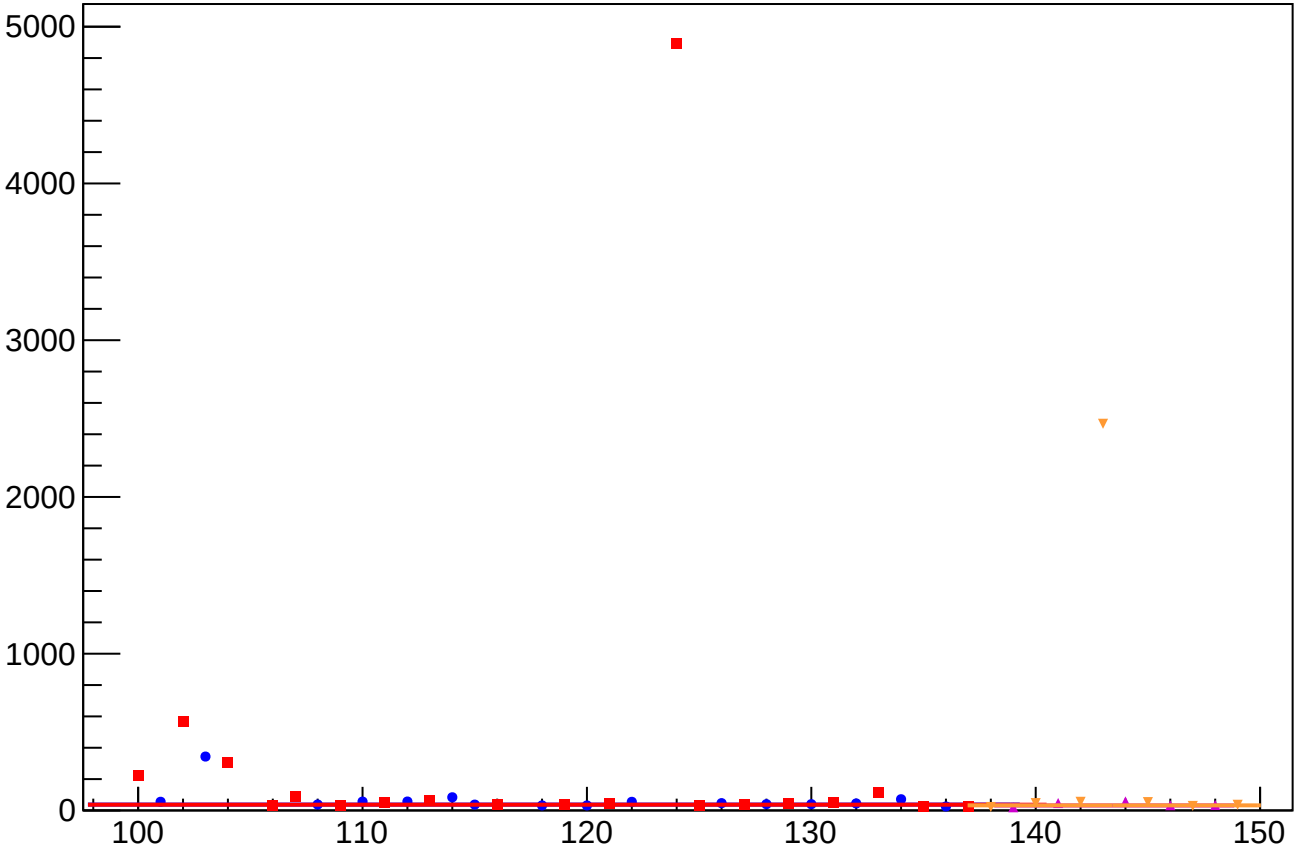
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 32.526+/-0.012 χ^2/NDF:2412295.8/6

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: 32.179+/-0.009 χ^2/NDF: 3299163.4/11

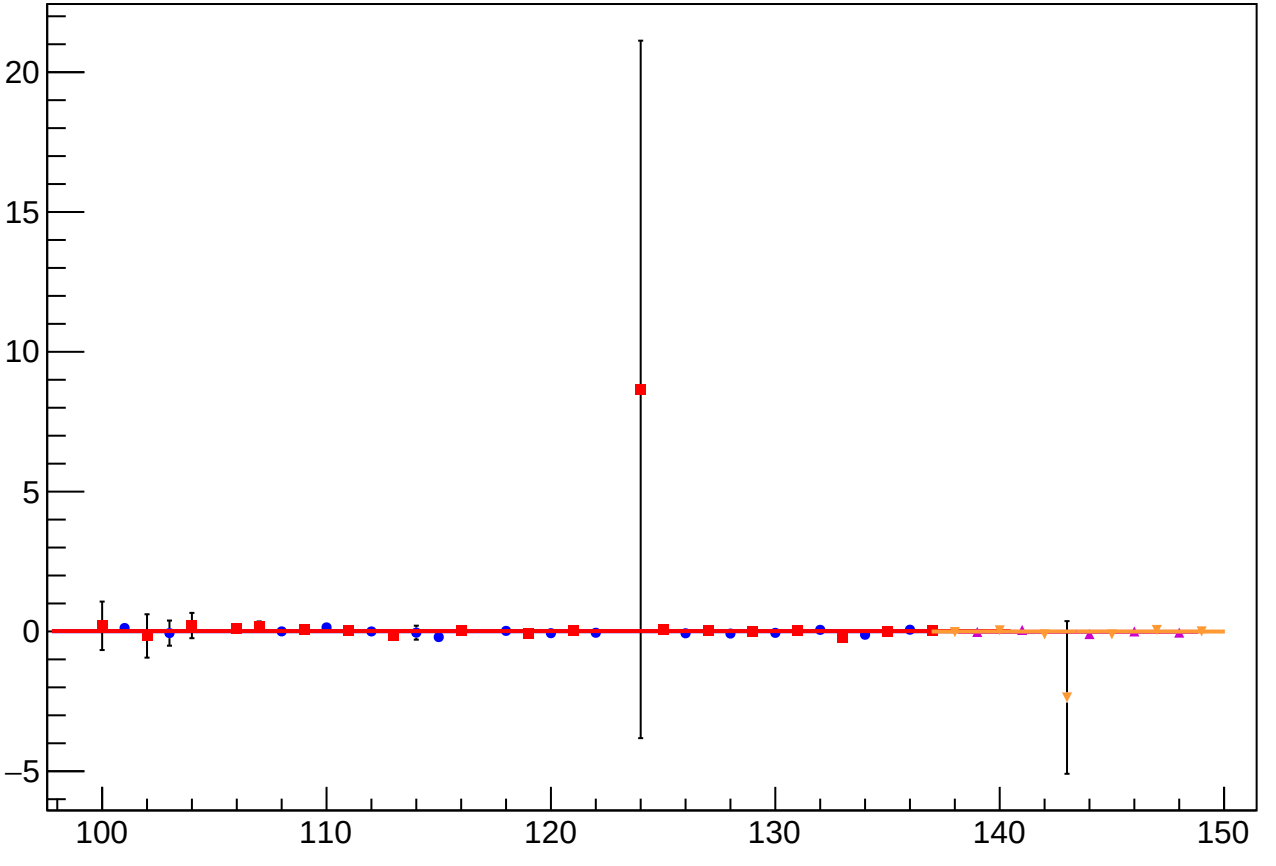
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.716+/-0.008 χ^2/NDF:5665993.4/25

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

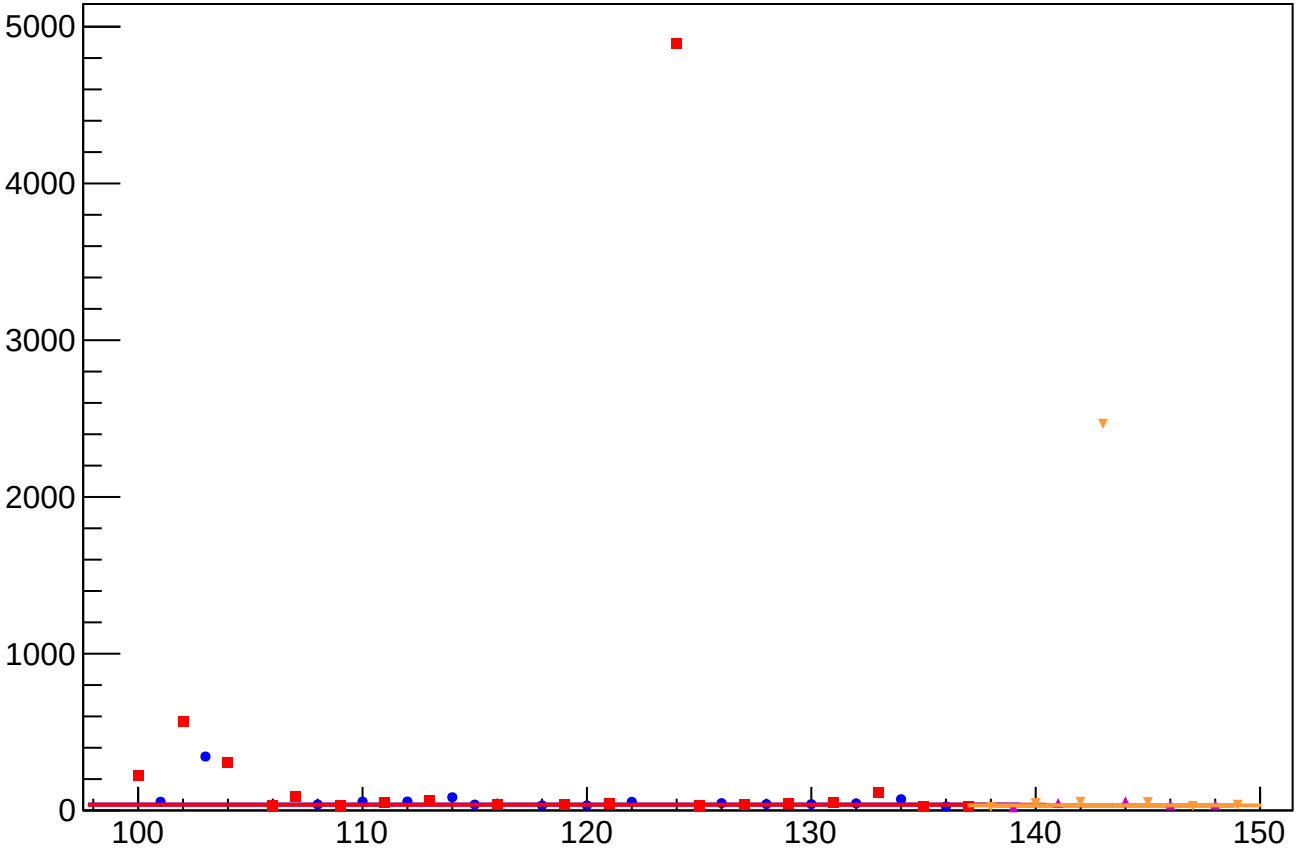
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.526+/-0.012 χ^2/NDF:2412295.8/6

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.820+/-0.012 χ^2/NDF:885205.8/4

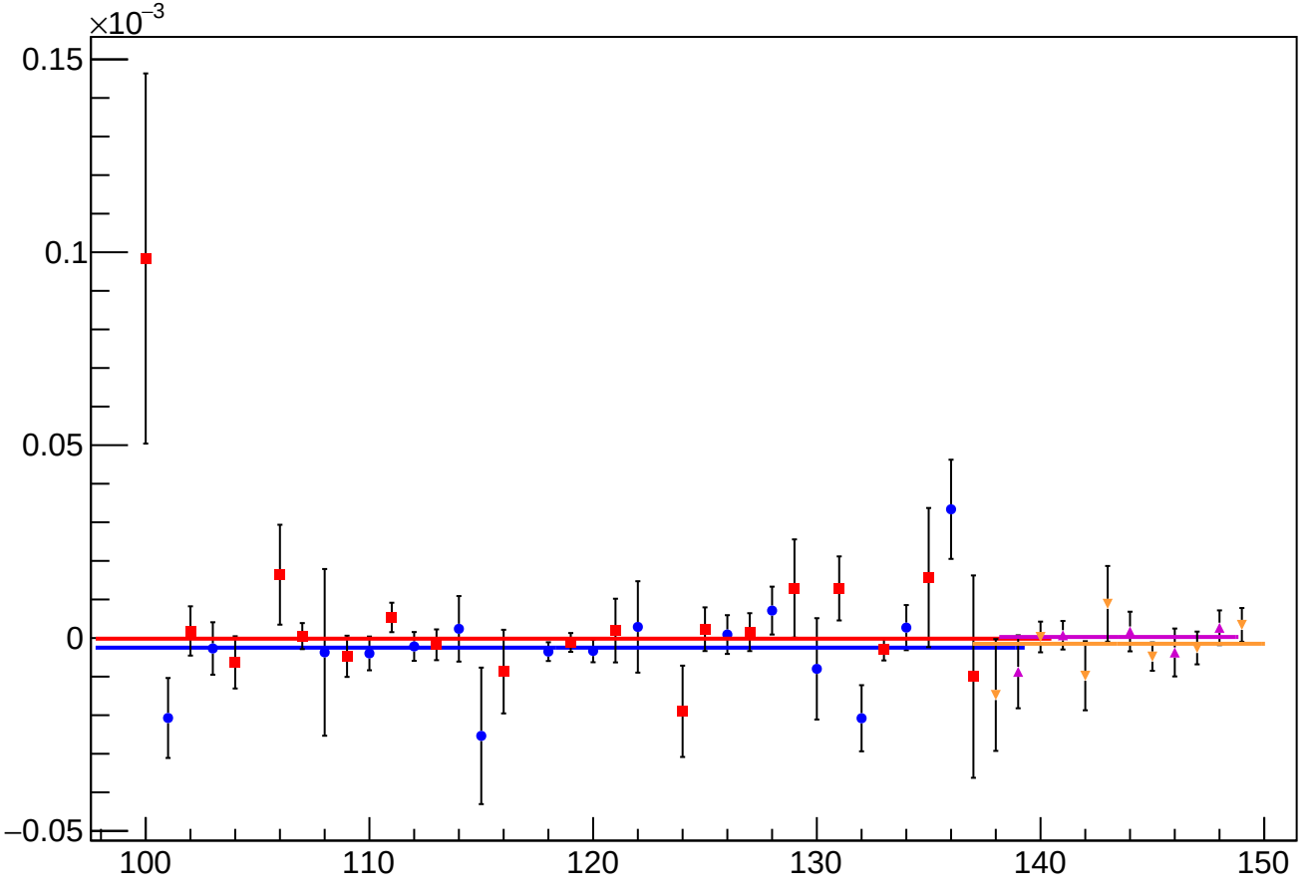
Left: 32.179+/-0.009 χ^2/NDF: 3299163.4/11

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.891+/-0.008 χ^2/NDF:2982759.9/20

Out: 34.716+/-0.008 χ^2/NDF:5665993.4/25

All: 34.804+/-0.006 χ^2/NDF: 8648970.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/6

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: 7.2/11

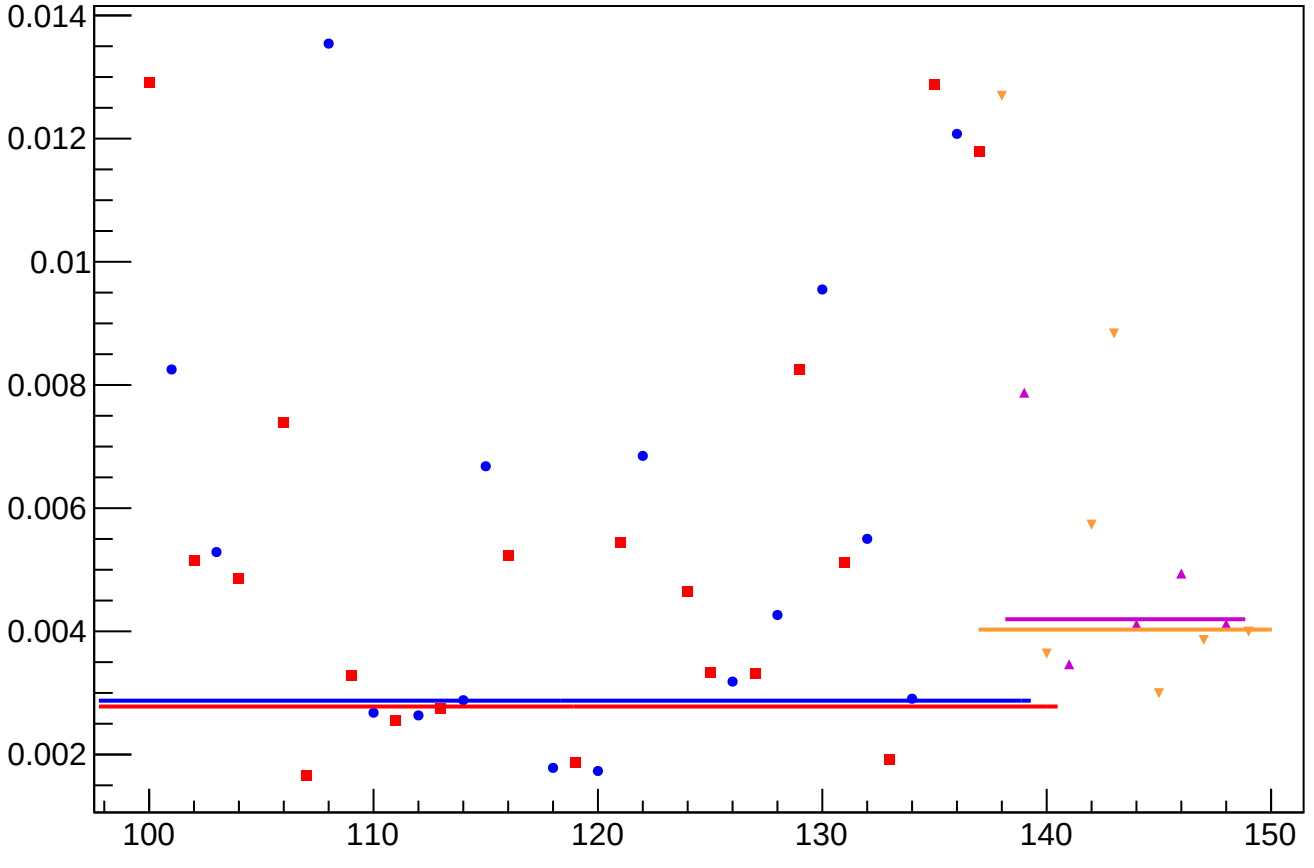
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:24.3/25

All: -0.000+/-0.000 χ^2/NDF: 49.7/46

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1449222.5/6

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: 1866303.6/11

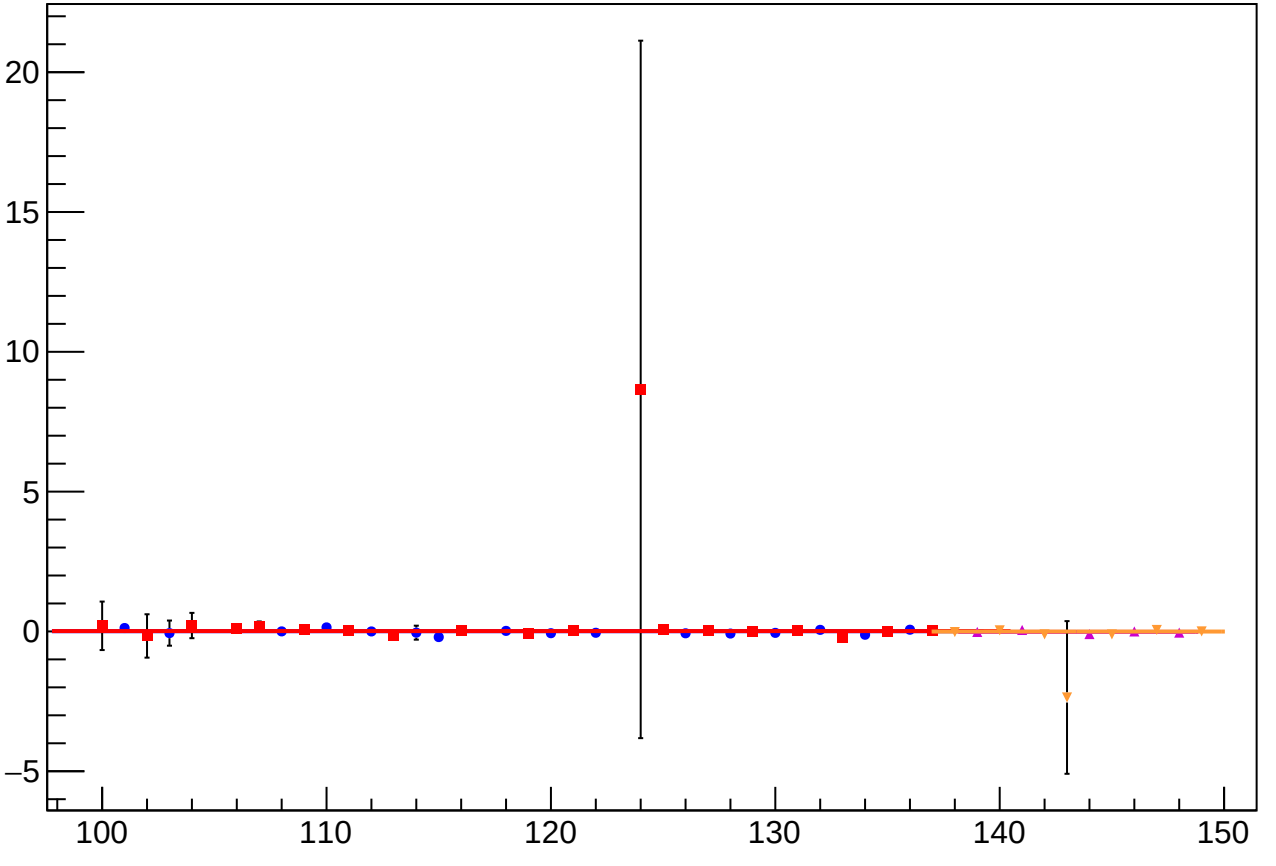
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5079592.5/20

Out: 0.003+/-0.000 χ^2/NDF:5378885.6/25

All: 0.003+/-0.000 χ^2/NDF: 10465140.2/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

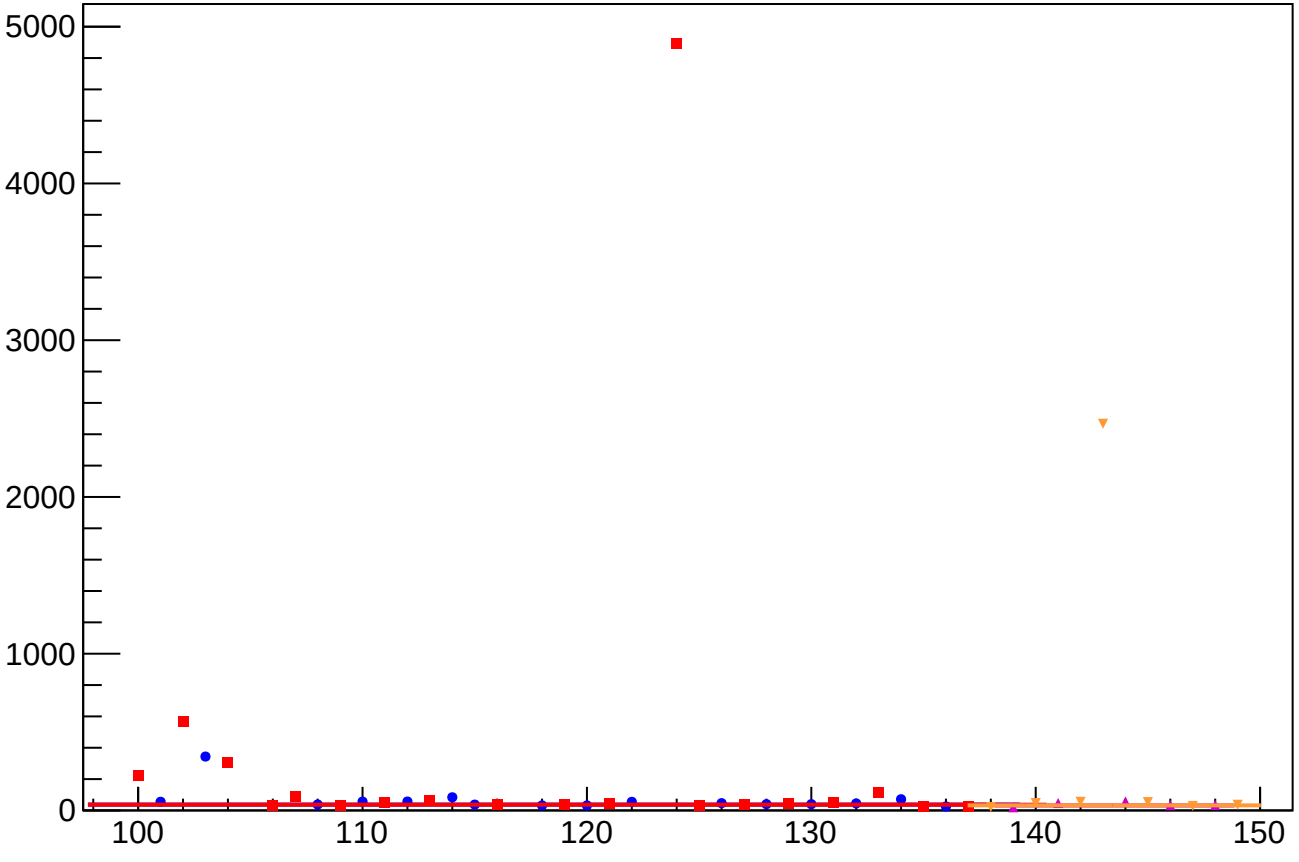
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.523+/-0.012 χ^2/NDF:2412617.4/6

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: 32.180+/-0.009 χ^2/NDF: 3298723.4/11

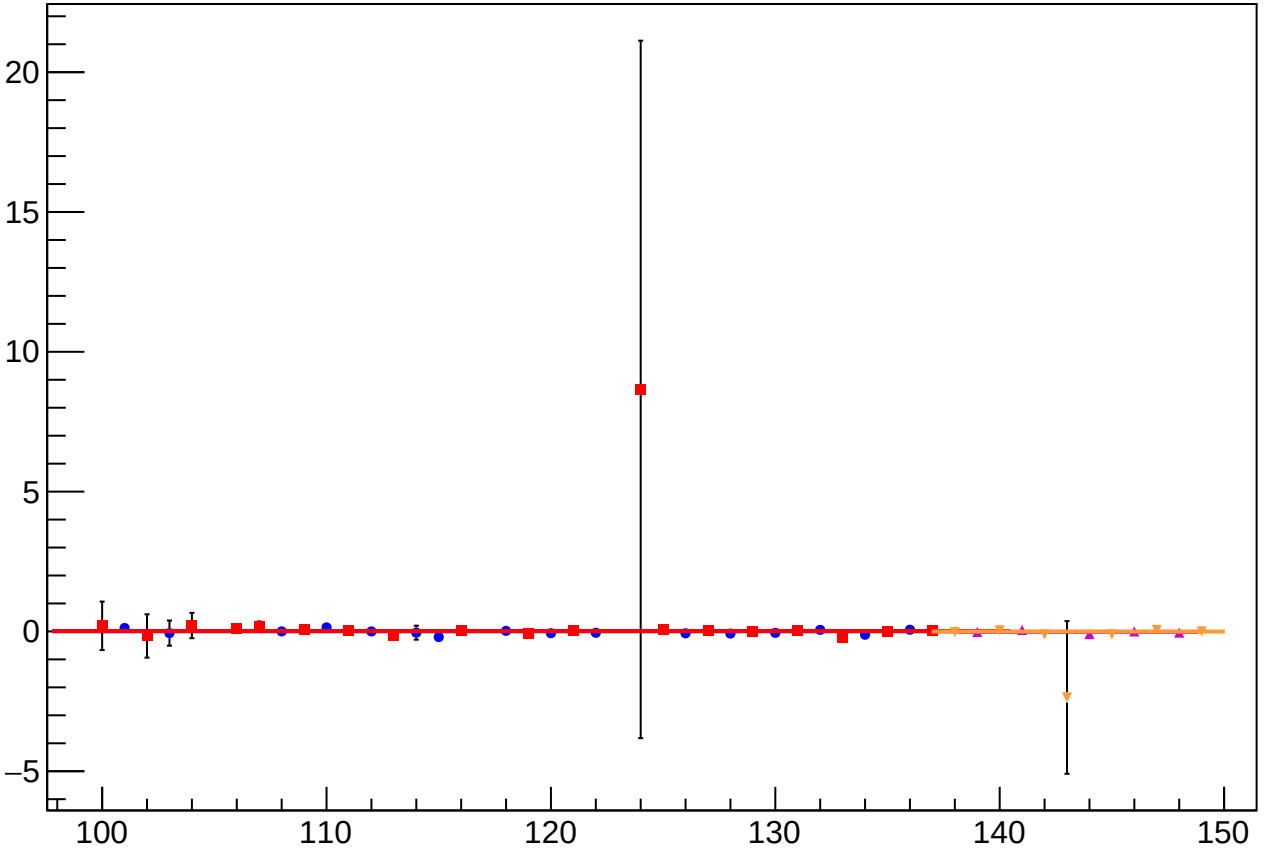
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.715+/-0.008 χ^2/NDF:5666166.4/25

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46

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: -0.004+/-0.017 χ^2/NDF:8.8/6

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: -0.010+/-0.012 χ^2/NDF: 12.9/11

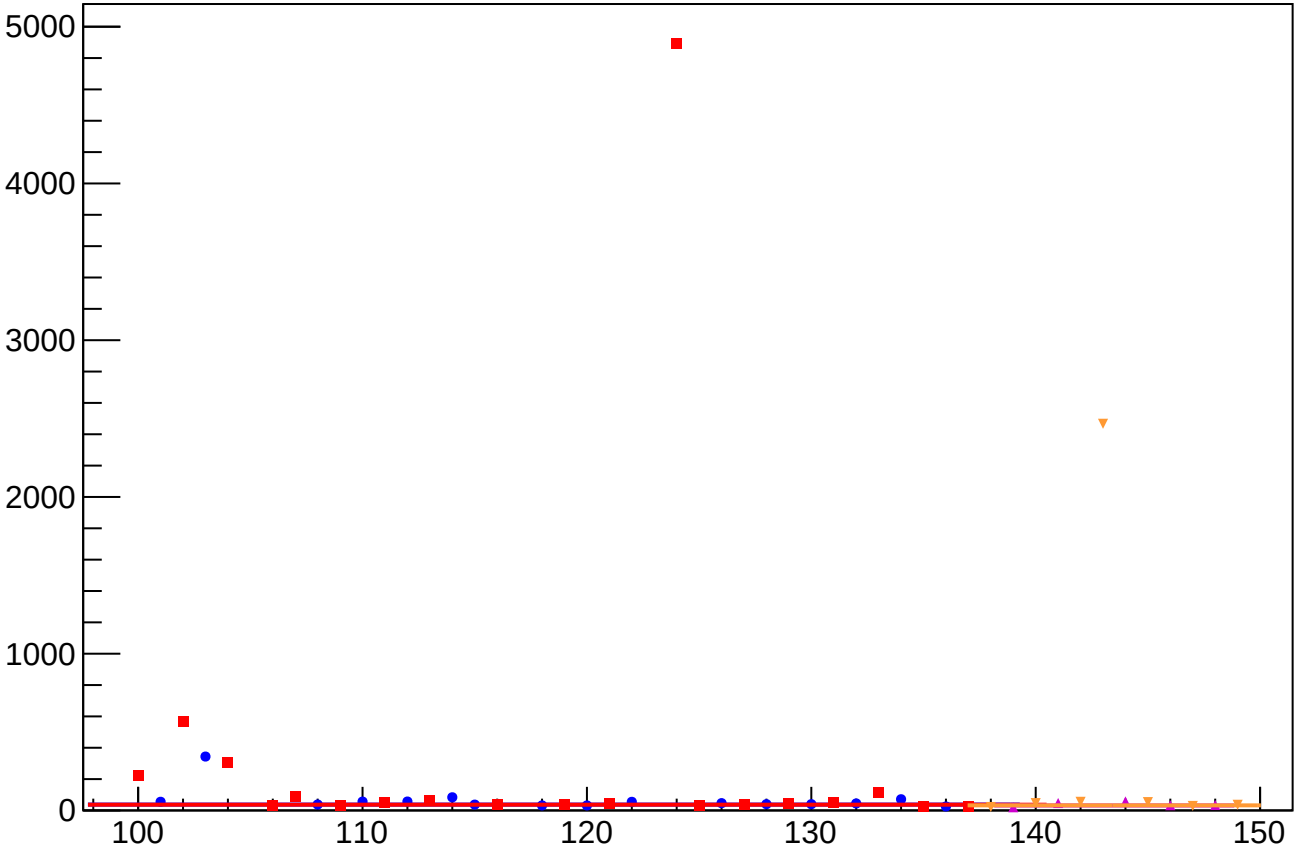
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.003+/-0.012 χ^2/NDF:24.3/20

Out: 0.005+/-0.012 χ^2/NDF:21.8/25

All: 0.001+/-0.008 χ^2/NDF: 46.3/46

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: 32.523+/-0.012 χ^2/NDF:2412617.4/6

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.826+/-0.012 χ^2/NDF:884484.9/4

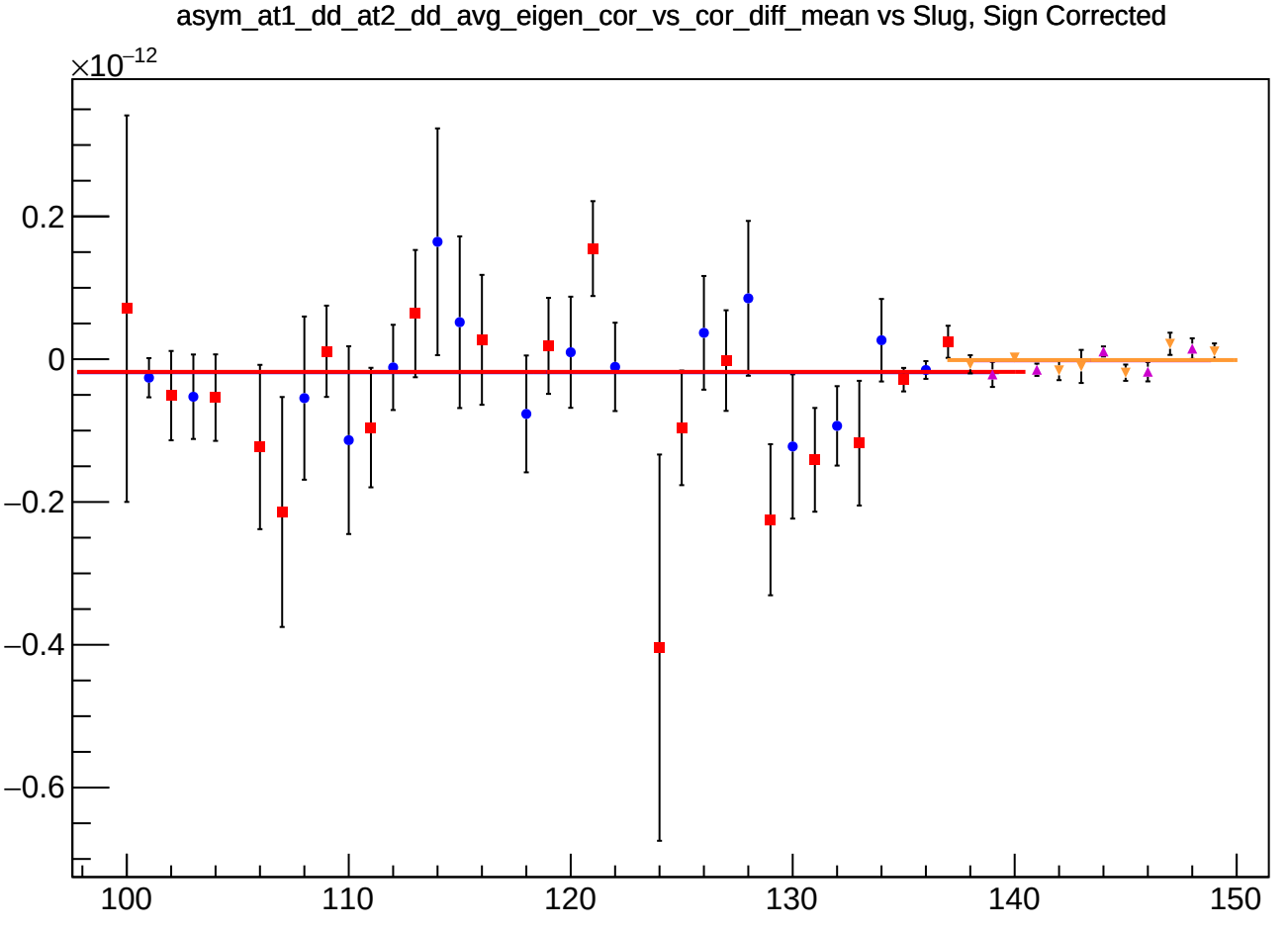
Left: 32.180+/-0.009 χ^2/NDF: 3298723.4/11

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.894+/-0.008 χ^2/NDF:2981762.7/20

Out: 34.715+/-0.008 χ^2/NDF:5666166.4/25

All: 34.805+/-0.006 χ^2/NDF: 8648155.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/4

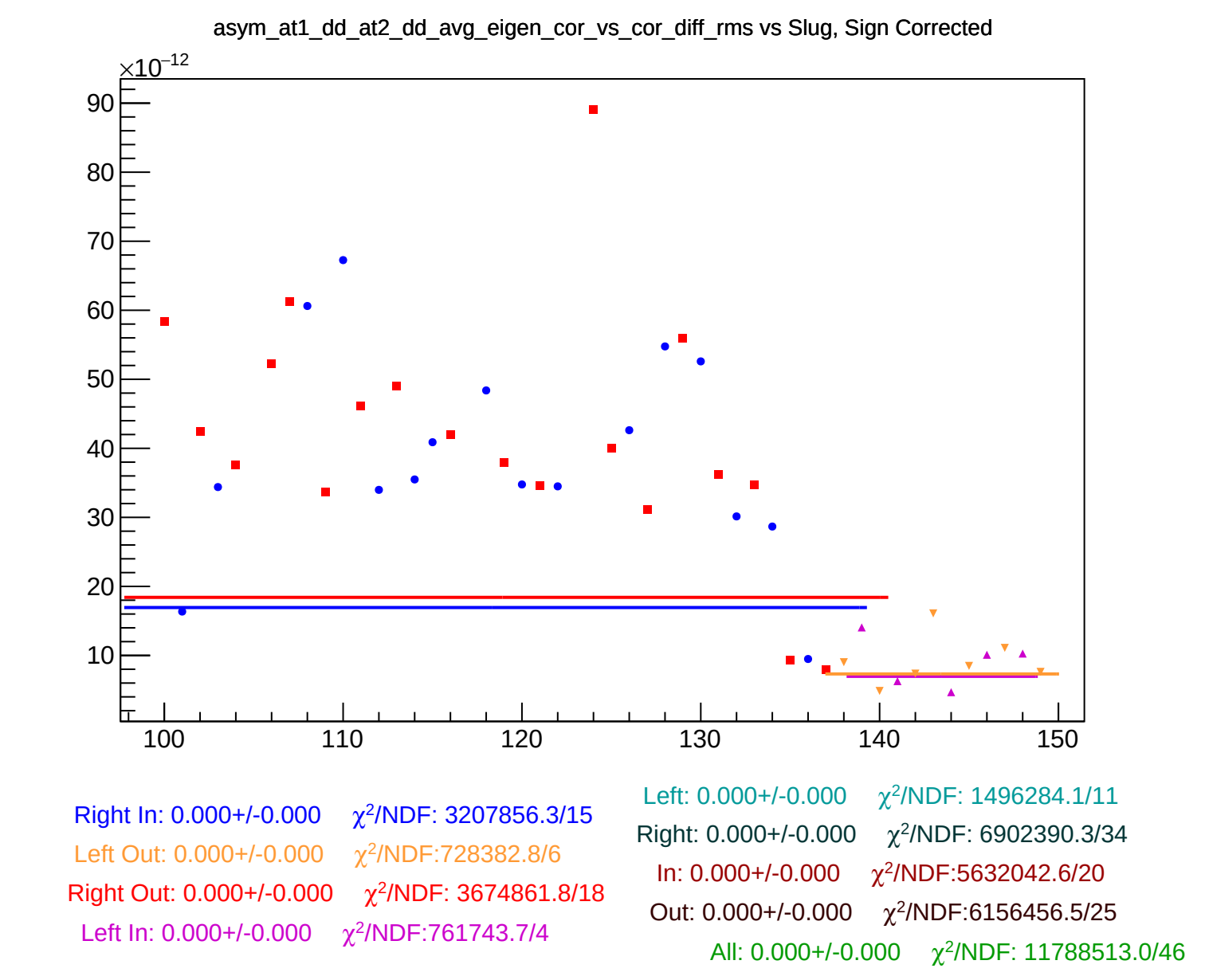
Left: -0.000+/-0.000 χ^2/NDF: 16.8/11

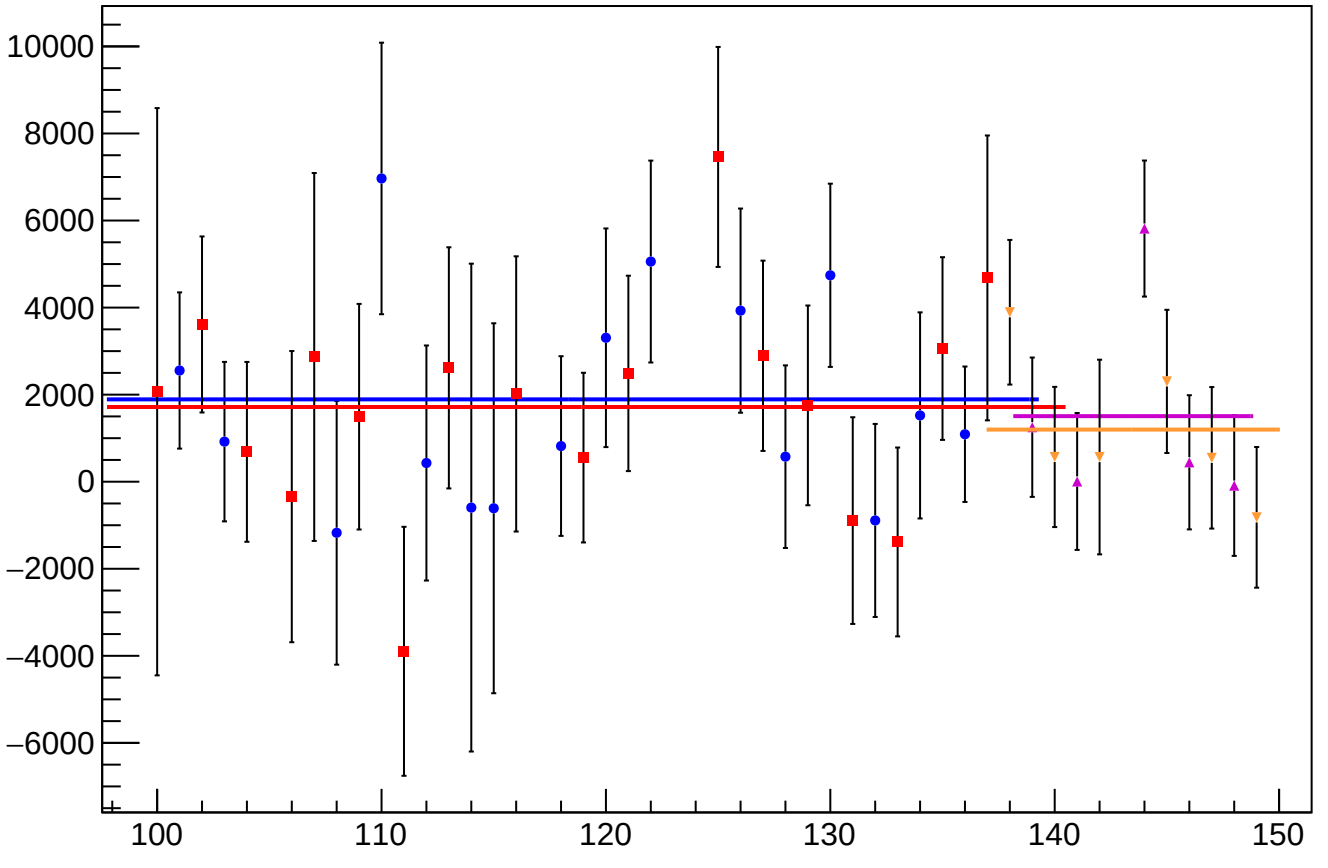
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:20.0/20

Out: -0.000+/-0.000 χ^2/NDF:36.7/25

All: -0.000+/-0.000 χ^2/NDF: 56.7/46


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:728382.8/6
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: 1496284.1/11
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:6156456.5/25
All: 0.000+/-0.000 χ²/NDF: 11788513.0/46



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1197.394+/-693.566 χ^2/NDF:5.0/5

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: 1349.014+/-494.583 χ^2/NDF: 15.1/10

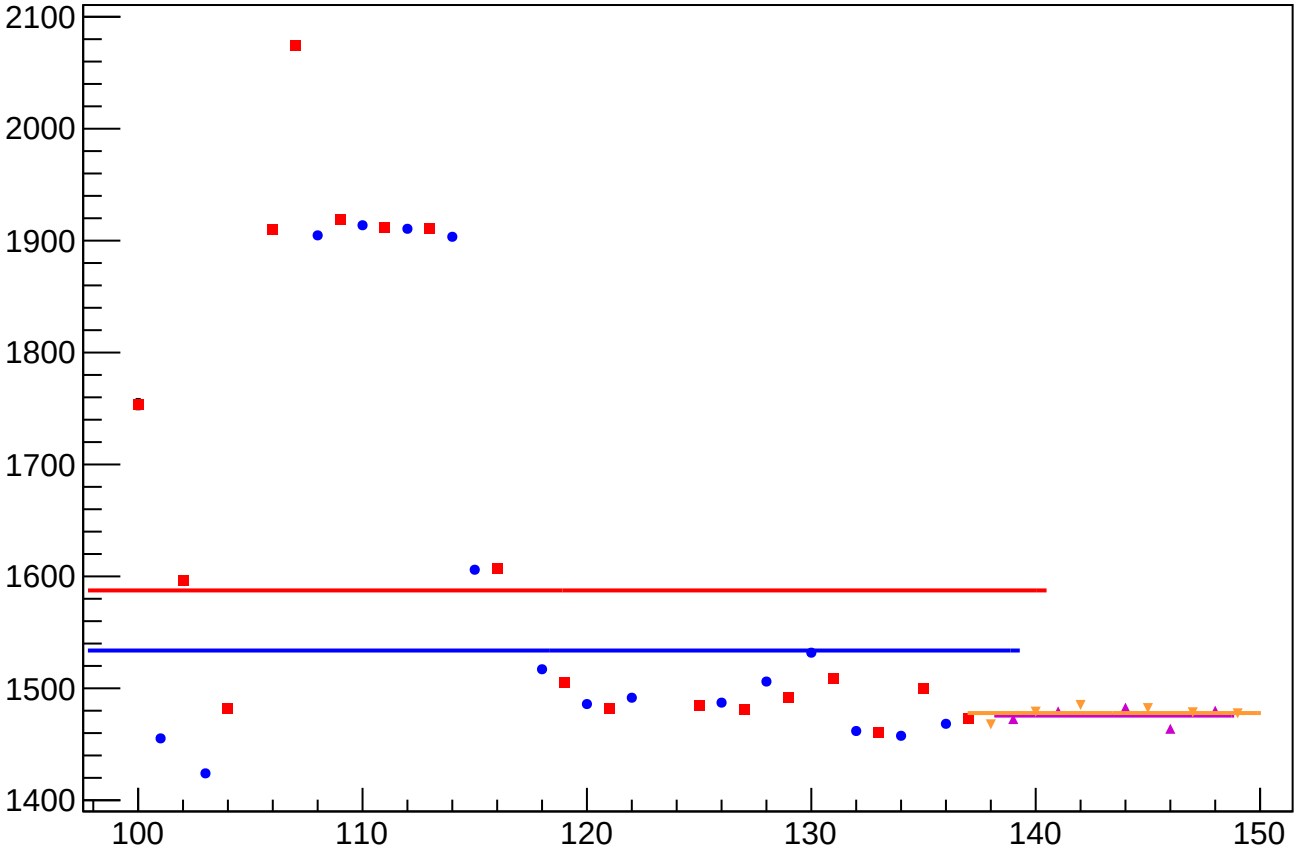
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1738.444+/-444.421 χ^2/NDF:22.4/20

Out: 1498.424+/-449.181 χ^2/NDF:21.3/23

All: 1619.713+/-315.923 χ^2/NDF: 43.9/44

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.902+/-0.490 χ^2/NDF:110.6/5

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1475.630+/-0.499 χ^2/NDF:191.5/4

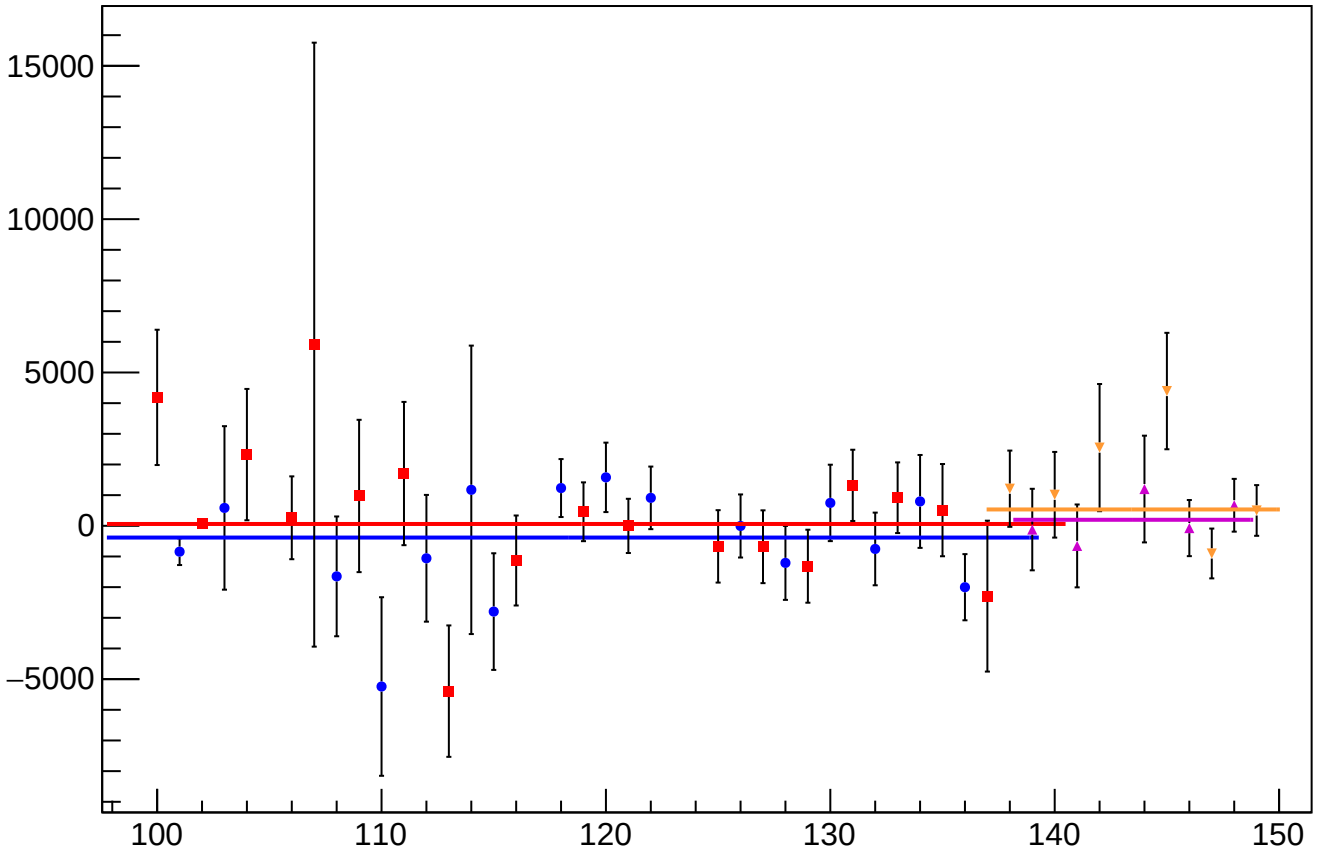
Left: 1476.785+/-0.350 χ^2/NDF: 312.6/10

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1510.698+/-0.314 χ^2/NDF:137656.3/20

Out: 1541.508+/-0.318 χ^2/NDF:201072.3/23

All: 1525.939+/-0.223 χ^2/NDF: 343483.6/44



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 533.600+/-463.827 χ^2/NDF:8.6/5

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 196.738+/-500.778 χ^2/NDF:1.2/4

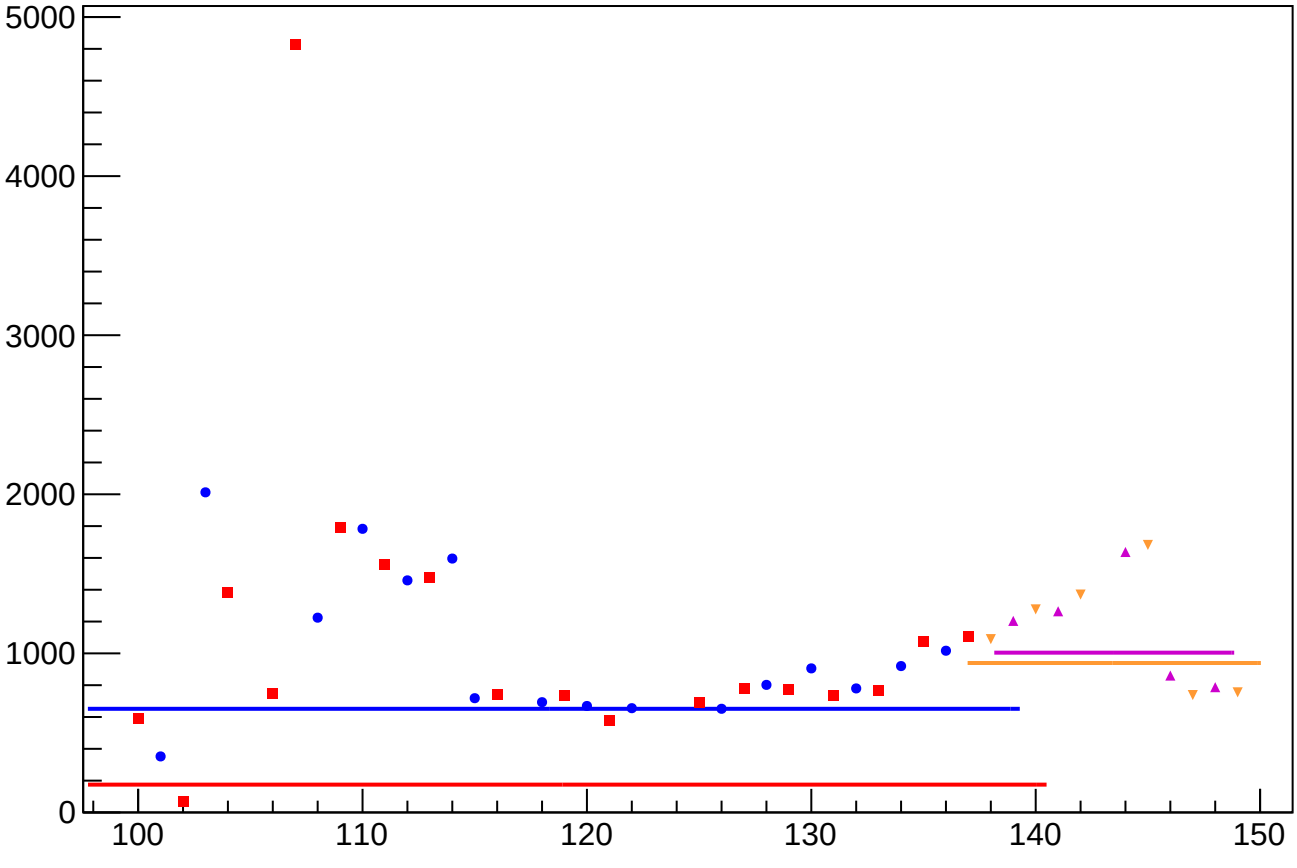
Left: 378.055+/-340.289 χ^2/NDF: 10.0/10

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -250.609+/-239.160 χ^2/NDF:20.4/20

Out: 93.342+/-123.119 χ^2/NDF:27.4/23

All: 21.285+/-109.466 χ^2/NDF: 49.4/44



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 939.494+/-0.328 χ^2/NDF:760044.7/5

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1004.451+/-0.354 χ^2/NDF:560372.3/4

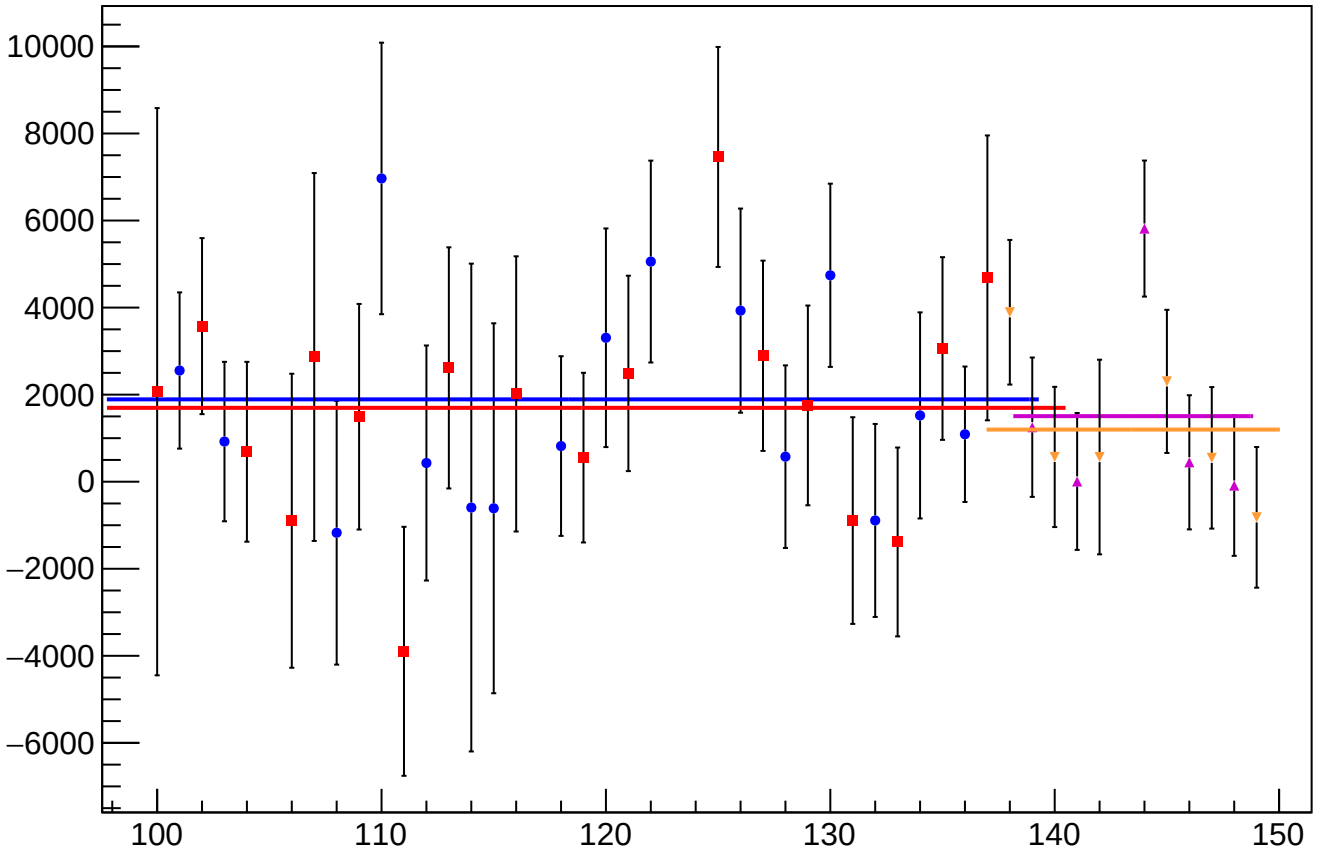
Left: 969.488+/-0.241 χ^2/NDF: 1338529.5/10

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 732.019+/-0.169 χ^2/NDF:4089832.4/20

Out: 228.772+/-0.087 χ^2/NDF:15573111.9/23

All: 334.201+/-0.077 χ^2/NDF: 26663279.2/44



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1197.290+/-693.566 χ^2/NDF:5.0/5

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: 1349.040+/-494.583 χ^2/NDF: 15.1/10

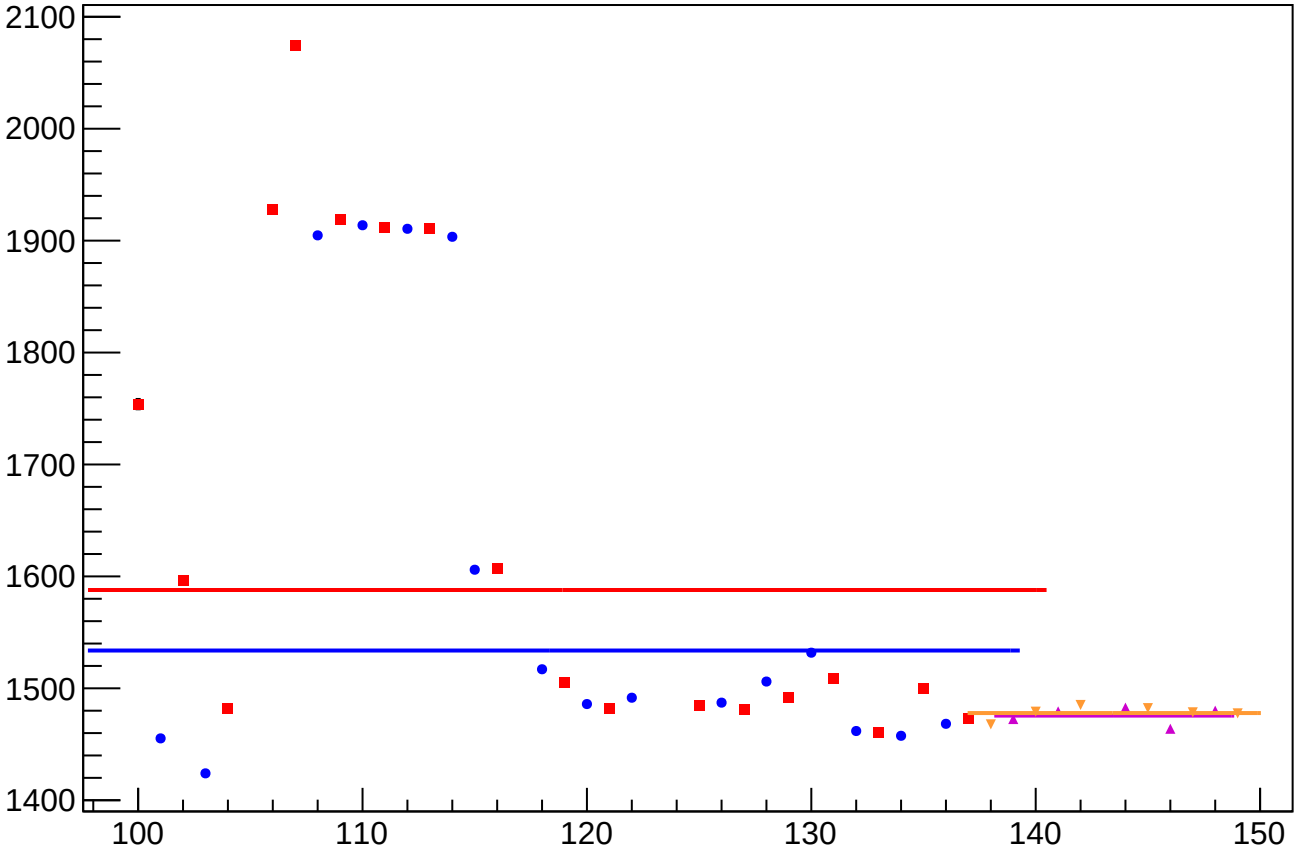
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1738.571+/-444.421 χ^2/NDF:22.4/20

Out: 1487.321+/-449.261 χ^2/NDF:21.5/23

All: 1614.306+/-315.951 χ^2/NDF: 44.0/44

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.902+/-0.490 χ^2/NDF:110.6/5

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: 1476.786+/-0.350 χ^2/NDF: 312.6/10

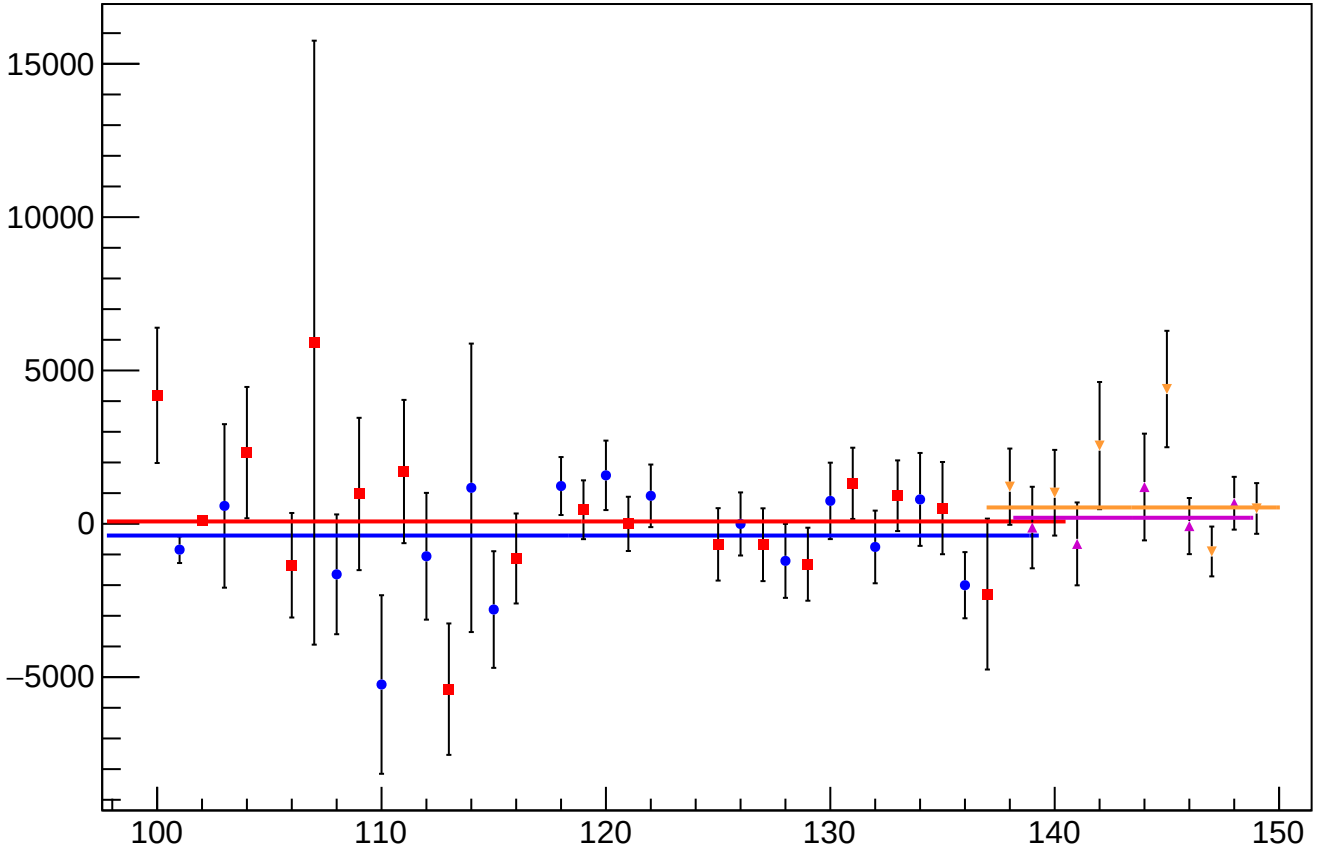
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1510.698+/-0.314 χ^2/NDF:137656.2/20

Out: 1541.715+/-0.318 χ^2/NDF:203047.3/23

All: 1526.038+/-0.223 χ^2/NDF: 345521.8/44

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: 533.361+/-463.831 χ^2/NDF:8.6/5

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: 377.979+/-340.289 χ^2/NDF: 10.0/10

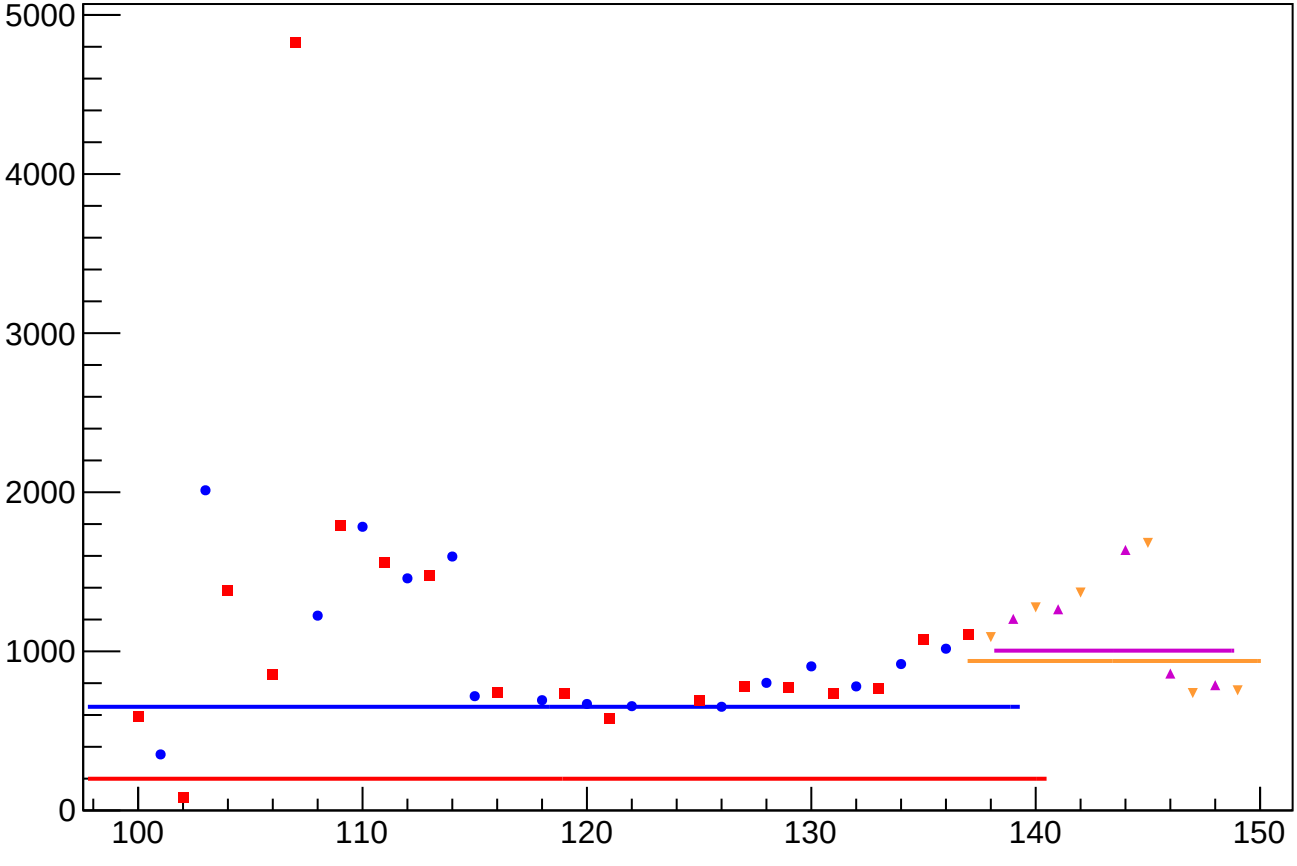
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -250.559+/-239.159 χ^2/NDF:20.4/20

Out: 113.954+/-132.391 χ^2/NDF:28.0/23

All: 28.454+/-115.828 χ^2/NDF: 50.2/44

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 939.504+/-0.328 χ^2/NDF:760022.4/5

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

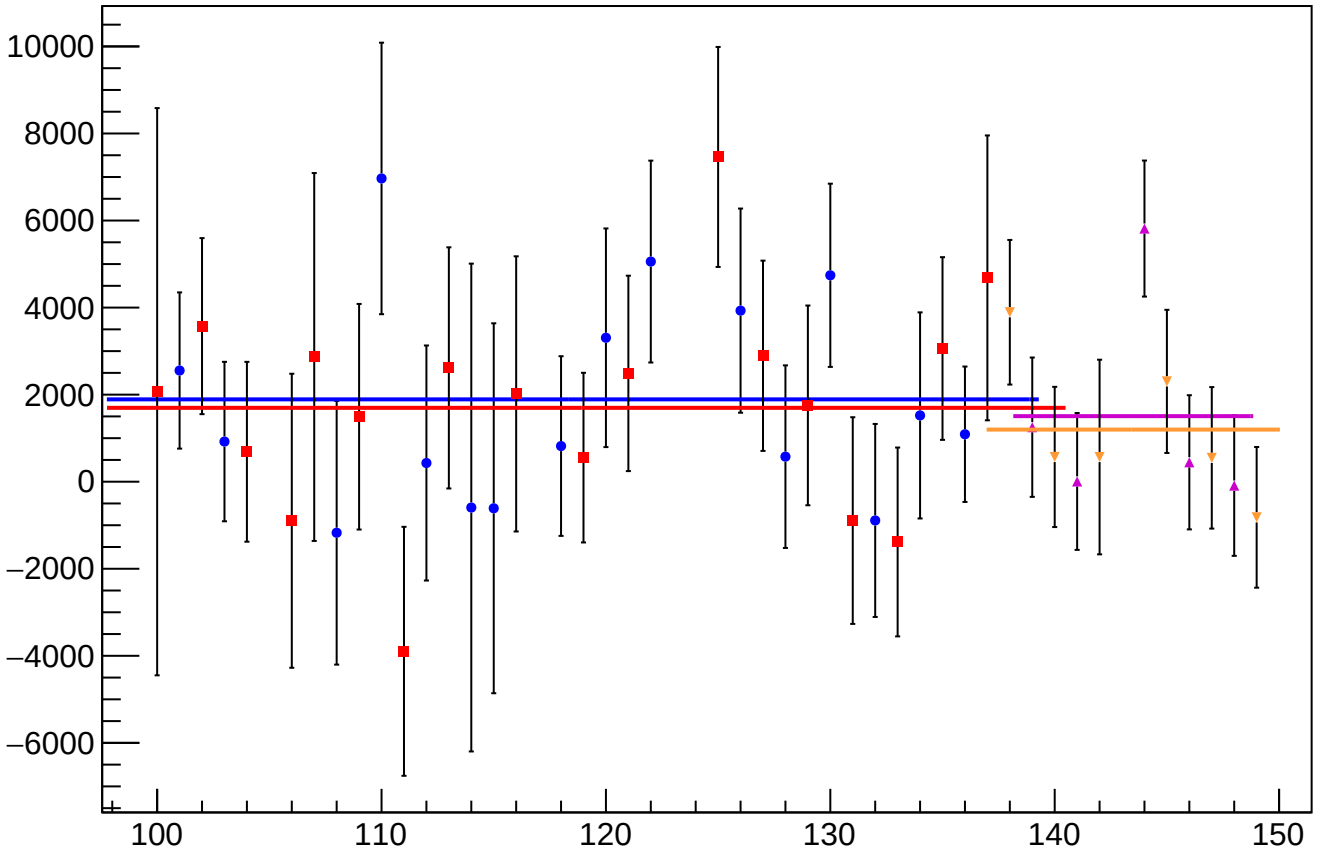
Left: 969.488+/-0.241 χ^2/NDF: 1338523.2/10

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 732.016+/-0.169 χ^2/NDF:4089854.9/20

Out: 259.644+/-0.094 χ^2/NDF:14722760.4/23

All: 370.443+/-0.082 χ^2/NDF: 24784824.3/44



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1197.290+/-693.566 χ^2/NDF:5.0/5

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1506.046+/-705.477 χ^2/NDF:10.0/4

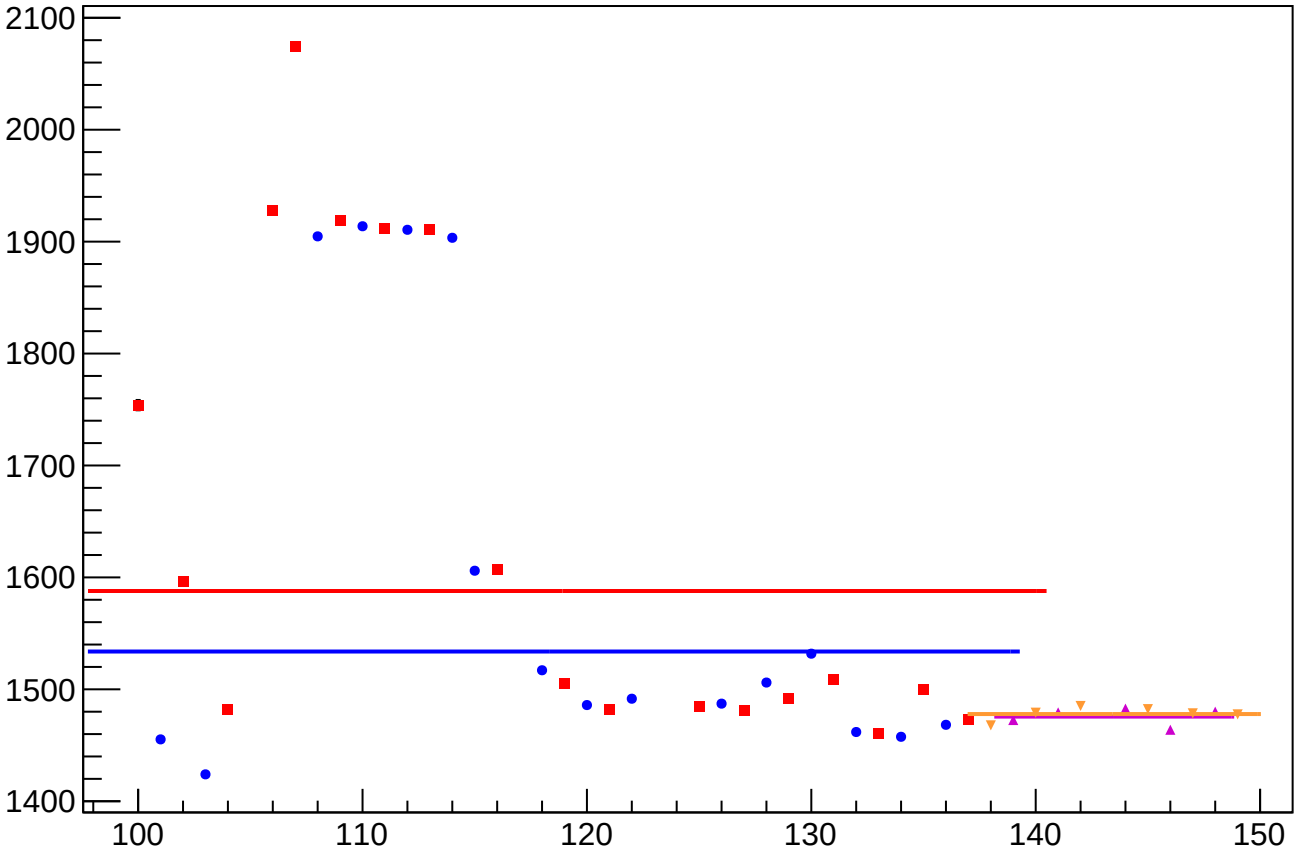
Left: 1349.040+/-494.583 χ^2/NDF: 15.1/10

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1738.571+/-444.421 χ^2/NDF:22.4/20

Out: 1487.321+/-449.261 χ^2/NDF:21.5/23

All: 1614.306+/-315.951 χ^2/NDF: 44.0/44



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.902+/-0.490 χ^2/NDF:110.6/5

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: 1476.786+/-0.350 χ^2/NDF: 312.6/10

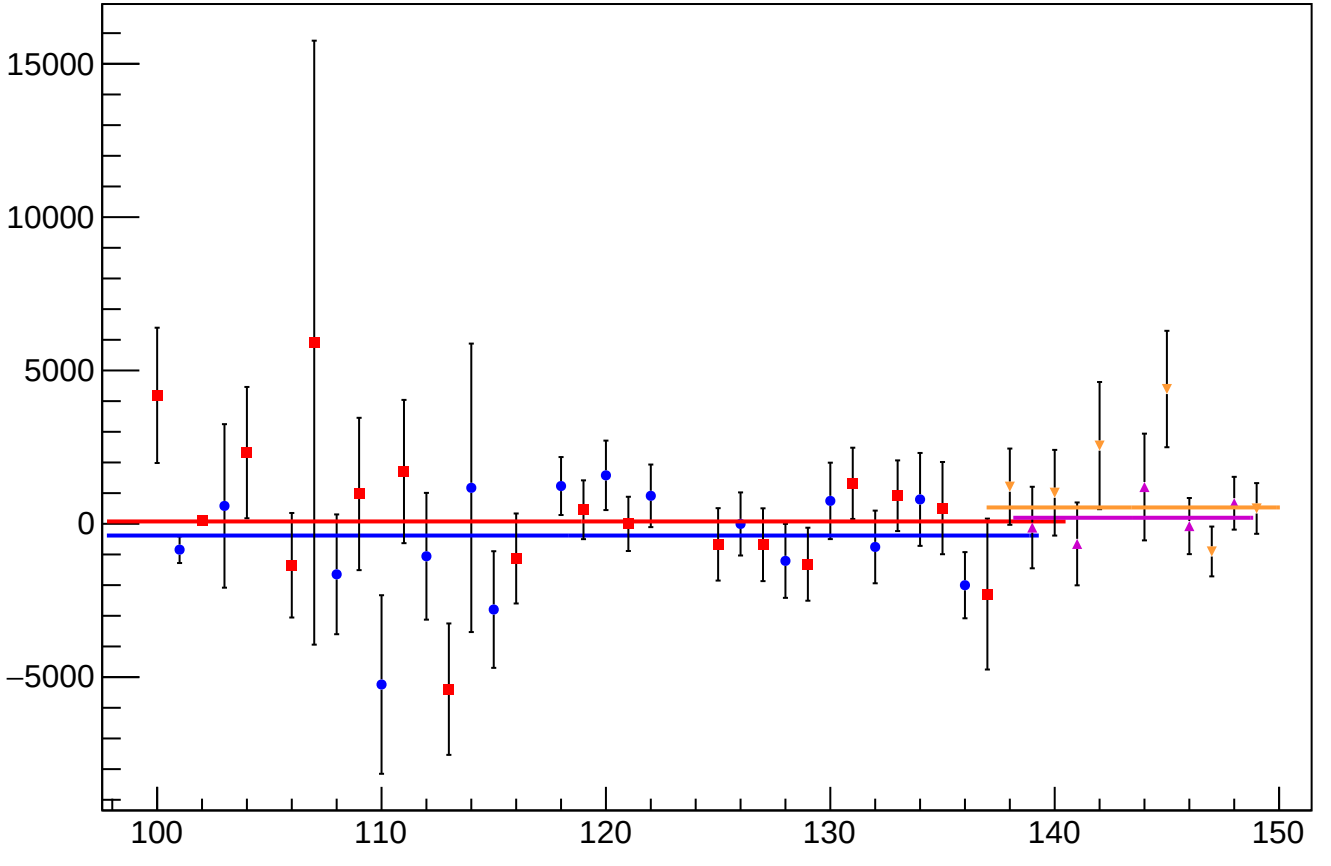
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1510.698+/-0.314 χ^2/NDF:137656.2/20

Out: 1541.715+/-0.318 χ^2/NDF:203047.3/23

All: 1526.038+/-0.223 χ^2/NDF: 345521.8/44

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: 533.361+/-463.831 χ^2/NDF:8.6/5

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: 377.979+/-340.289 χ^2/NDF: 10.0/10

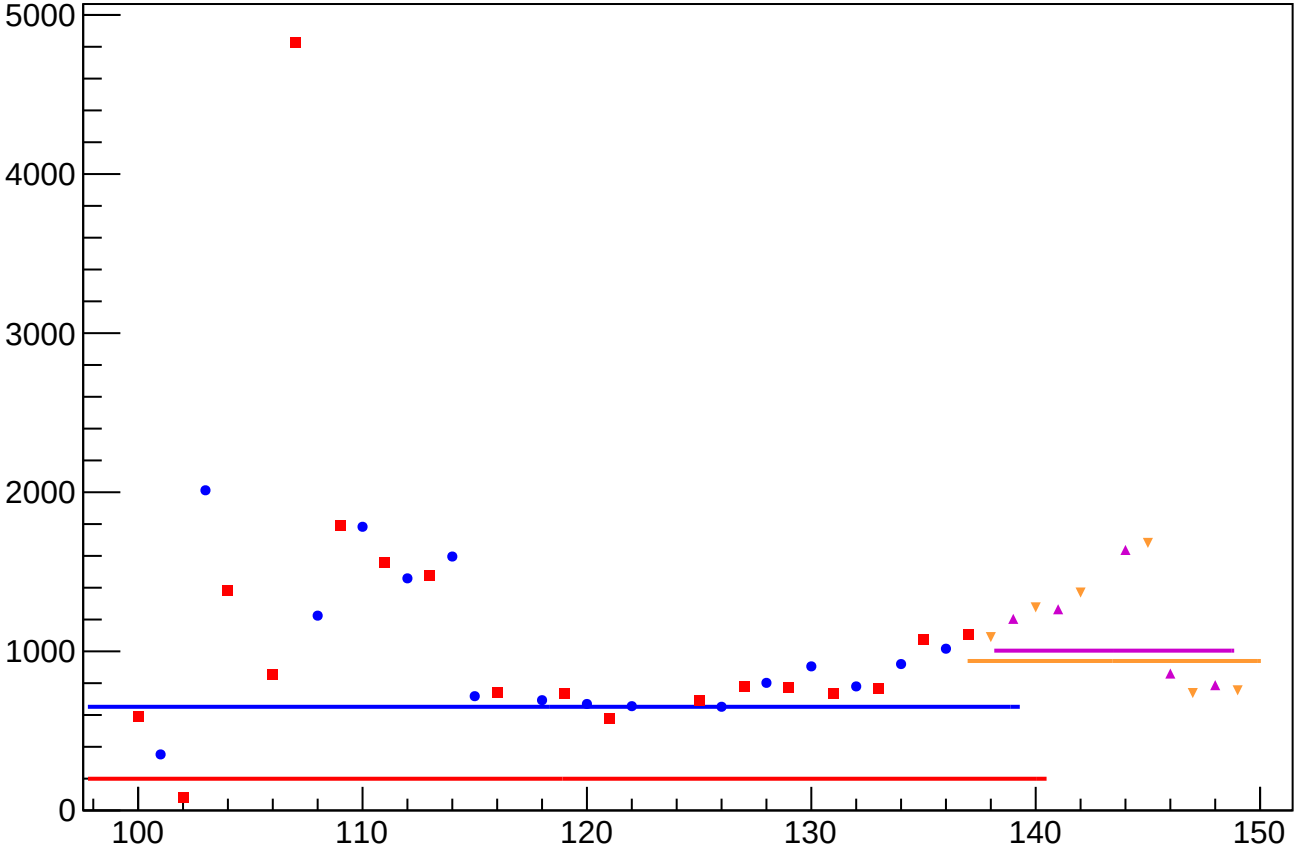
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -250.559+/-239.159 χ^2/NDF:20.4/20

Out: 113.954+/-132.391 χ^2/NDF:28.0/23

All: 28.454+/-115.828 χ^2/NDF: 50.2/44

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: 939.504+/-0.328 χ^2/NDF:760022.4/5

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1004.440+/-0.354 χ^2/NDF:560400.0/4

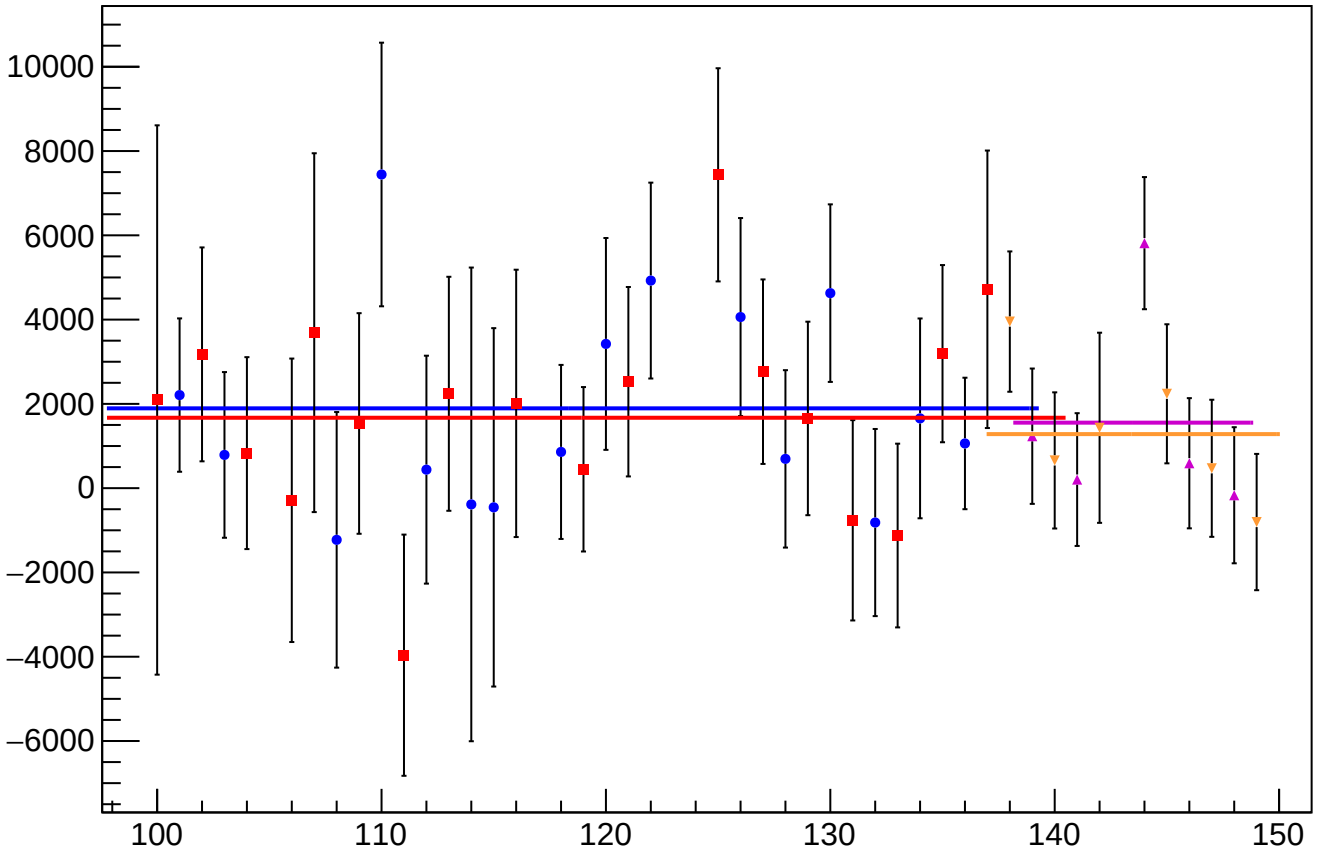
Left: 969.488+/-0.241 χ^2/NDF: 1338523.2/10

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 732.016+/-0.169 χ^2/NDF:4089854.9/20

Out: 259.644+/-0.094 χ^2/NDF:14722760.4/23

All: 370.443+/-0.082 χ^2/NDF: 24784824.3/44



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1282.737+/-695.412 χ^2/NDF:5.0/5

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1554.425+/-707.086 χ^2/NDF:9.7/4

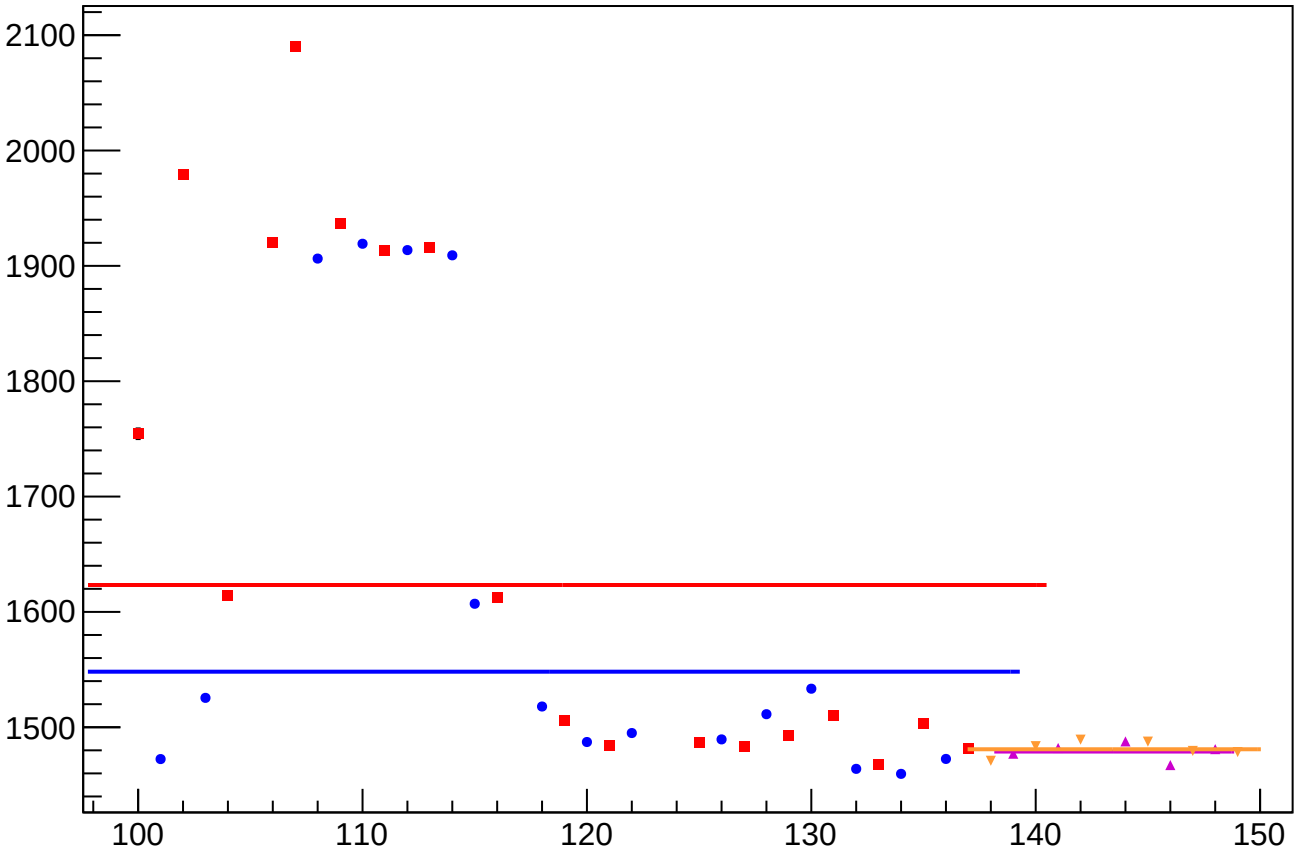
Left: 1416.320+/-495.806 χ^2/NDF: 14.7/10

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1758.189+/-447.339 χ^2/NDF:22.1/20

Out: 1503.746+/-456.371 χ^2/NDF:20.2/23

All: 1633.510+/-319.462 χ^2/NDF: 42.5/44



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1480.923+/-0.492 χ^2/NDF:142.9/5

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: 1479.949+/-0.351 χ^2/NDF: 342.8/10

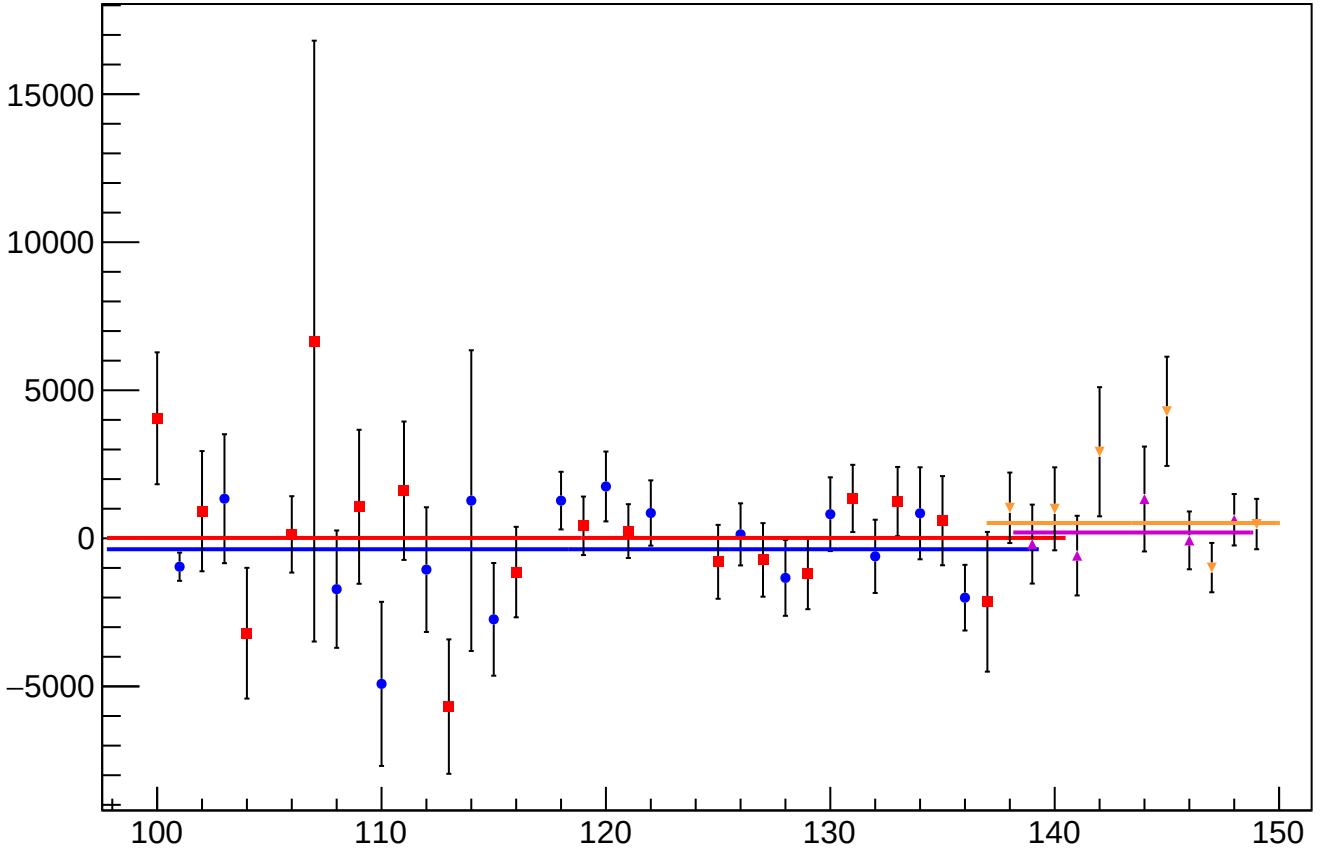
Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1520.464+/-0.316 χ^2/NDF:131596.5/20

Out: 1561.999+/-0.323 χ^2/NDF:259426.8/23

All: 1540.816+/-0.226 χ^2/NDF: 399471.7/44

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 518.084+/-469.287 χ^2/NDF:9.0/5

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 196.934+/-512.422 χ^2/NDF:1.2/4

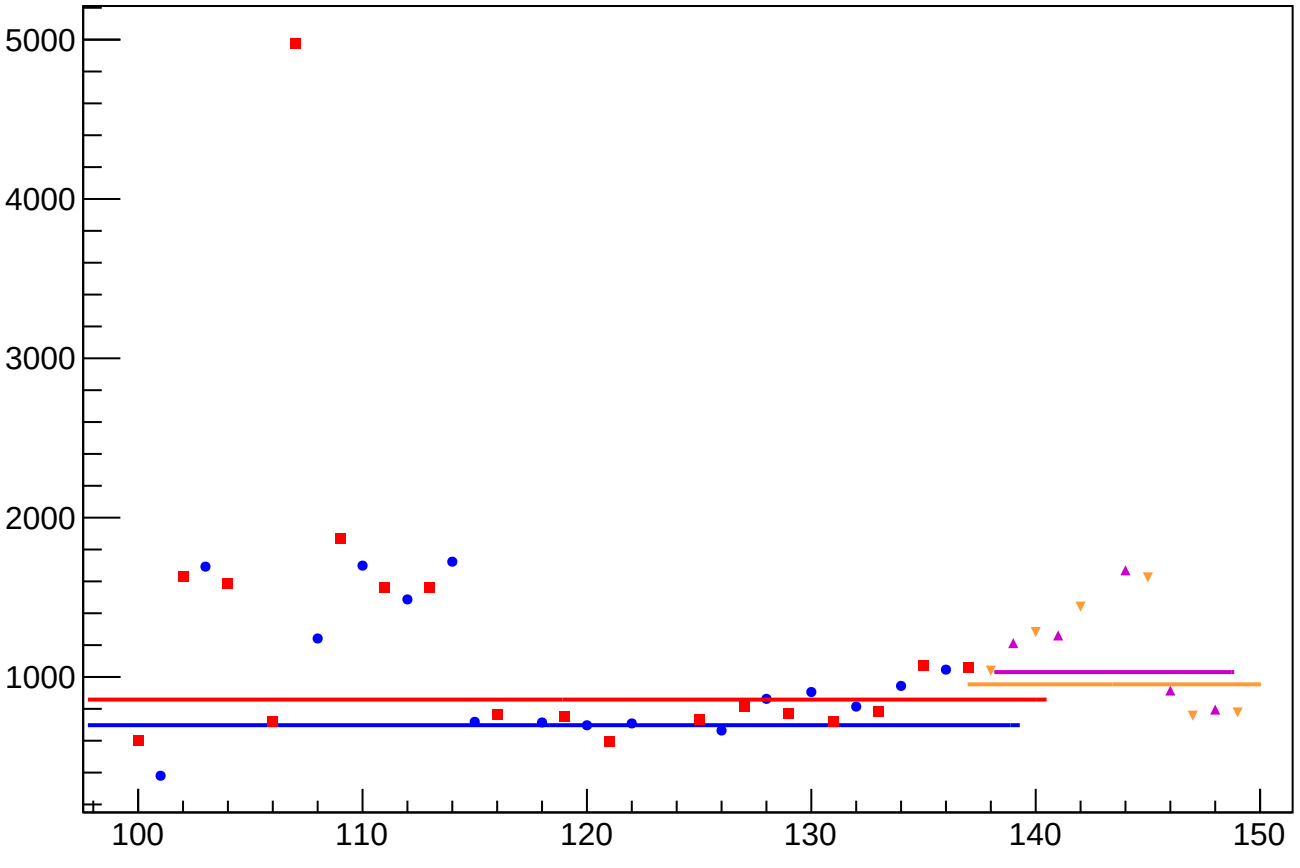
Left: 371.593+/-346.082 χ^2/NDF: 10.3/10

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -233.943+/-250.119 χ^2/NDF:21.0/20

Out: 188.389+/-276.164 χ^2/NDF:28.8/23

All: -43.626+/-185.386 χ^2/NDF: 51.1/44



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 953.906+/-0.332 χ^2/NDF:682194.9/5

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1030.776+/-0.362 χ^2/NDF:530806.2/4

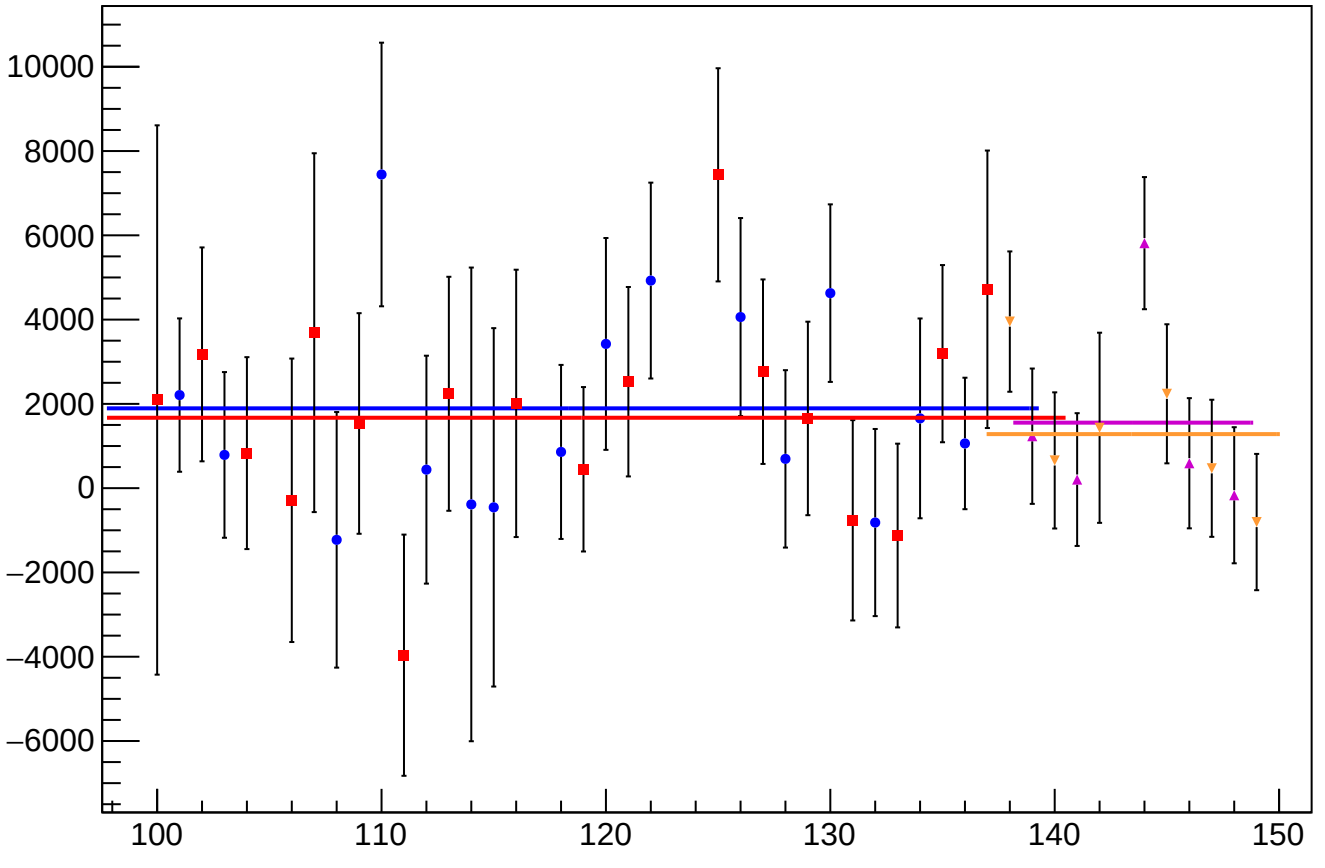
Left: 988.970+/-0.245 χ^2/NDF: 1237478.8/10

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 776.916+/-0.177 χ^2/NDF:3610801.3/20

Out: 891.275+/-0.195 χ^2/NDF:2618854.9/23

All: 828.450+/-0.131 χ^2/NDF: 6418063.4/44



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1282.739+/-695.412 χ^2/NDF:5.0/5

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1554.425+/-707.086 χ^2/NDF:9.7/4

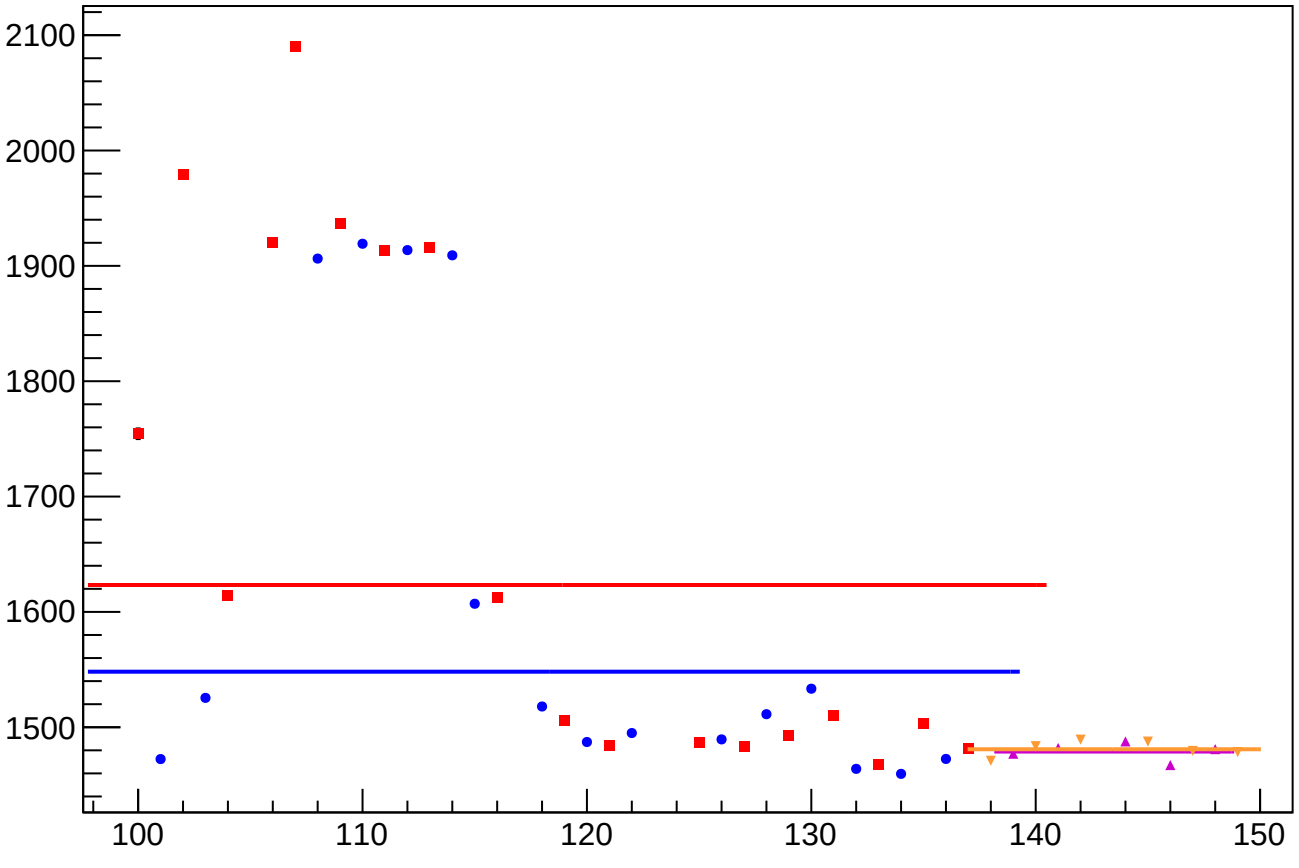
Left: 1416.321+/-495.806 χ^2/NDF: 14.7/10

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1758.188+/-447.339 χ^2/NDF:22.1/20

Out: 1503.745+/-456.371 χ^2/NDF:20.2/23

All: 1633.509+/-319.462 χ^2/NDF: 42.5/44



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1480.923+/-0.492 χ^2/NDF:142.9/5

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: 1479.949+/-0.351 χ^2/NDF: 342.8/10

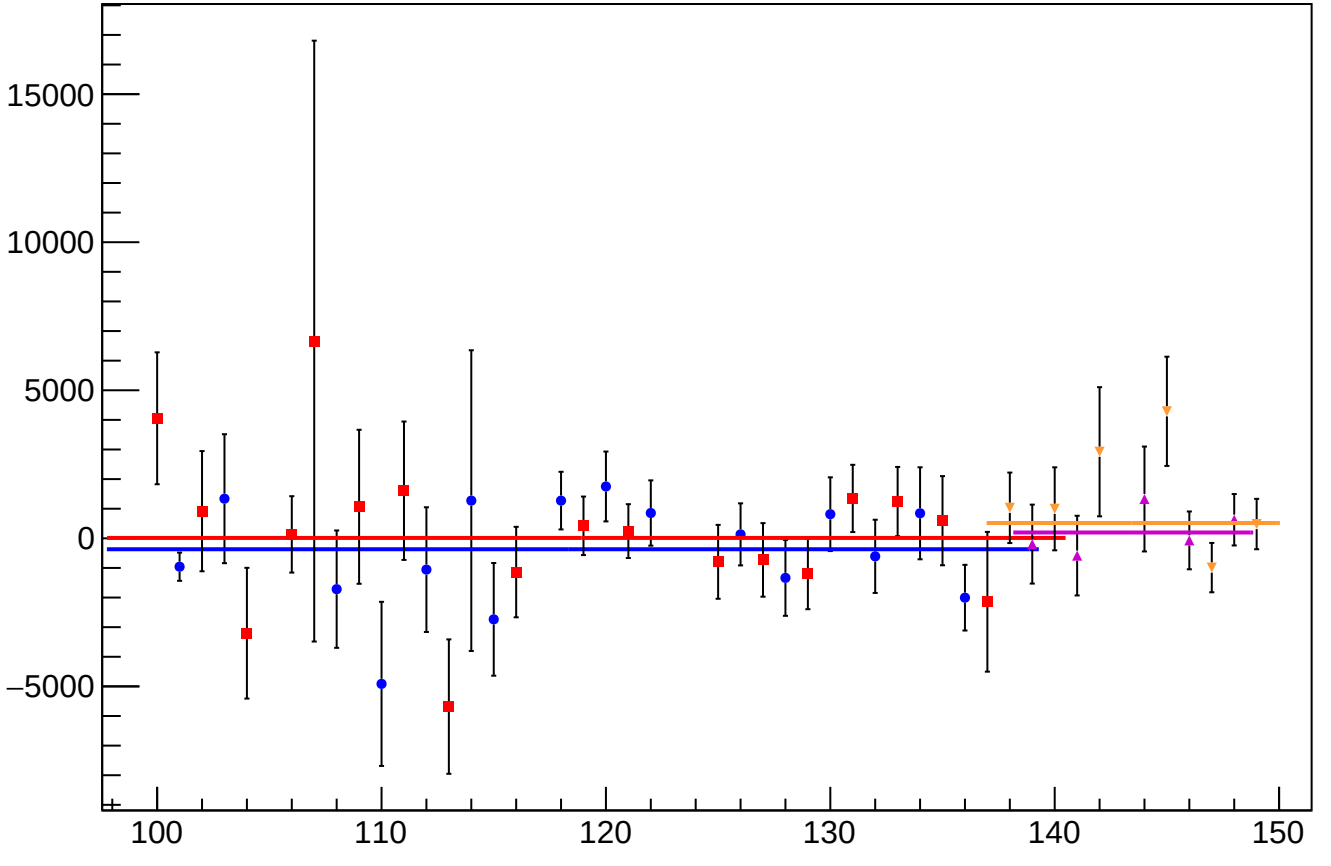
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1520.464+/-0.316 χ^2/NDF:131596.5/20

Out: 1561.999+/-0.323 χ^2/NDF:259426.4/23

All: 1540.816+/-0.226 χ^2/NDF: 399471.3/44

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: 518.083+/-469.288 χ^2/NDF:9.0/5

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: 371.592+/-346.083 χ^2/NDF: 10.3/10

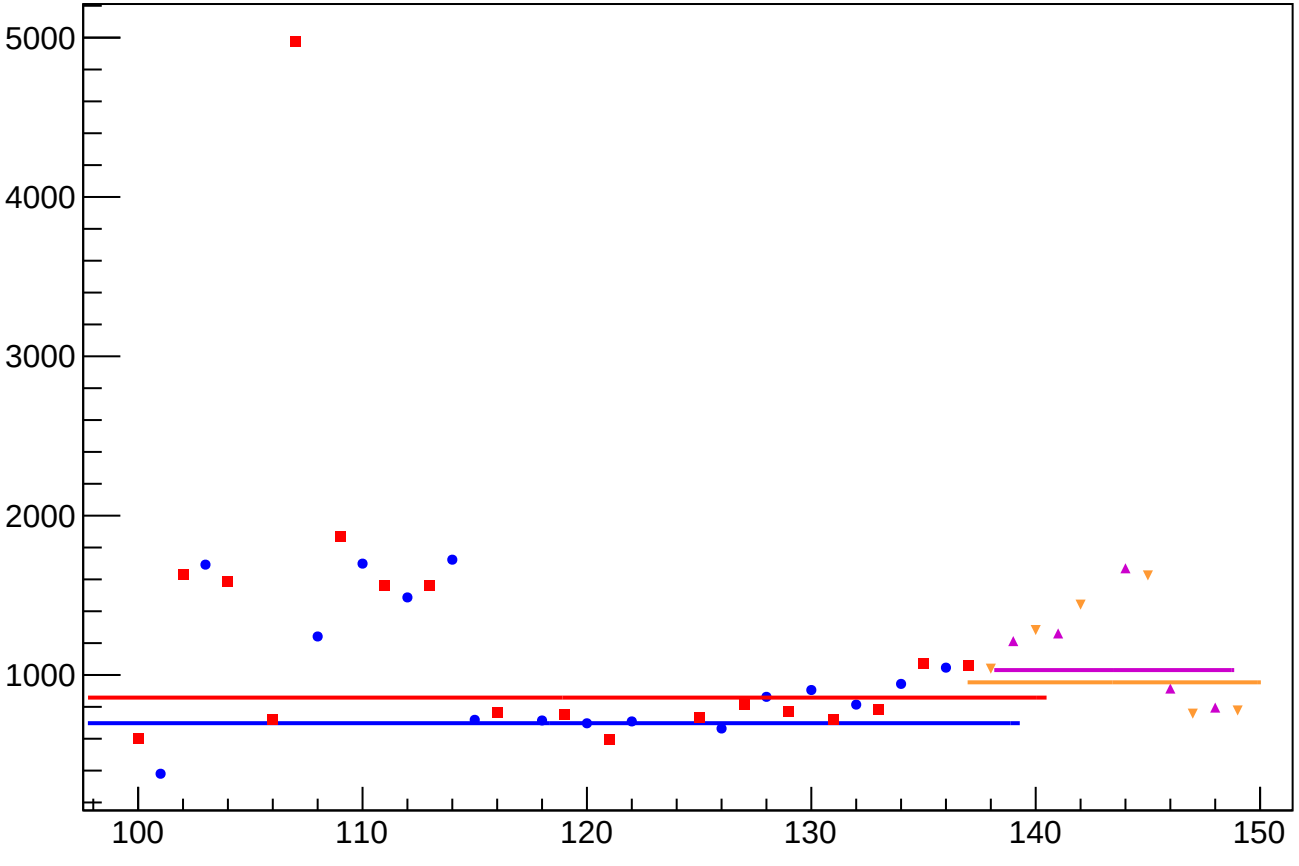
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -233.942+/-250.119 χ^2/NDF:21.0/20

Out: 188.388+/-276.164 χ^2/NDF:28.8/23

All: -43.626+/-185.386 χ^2/NDF: 51.1/44

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: 953.908+/-0.332 χ^2/NDF:682194.0/5

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1030.778+/-0.362 χ^2/NDF:530805.0/4

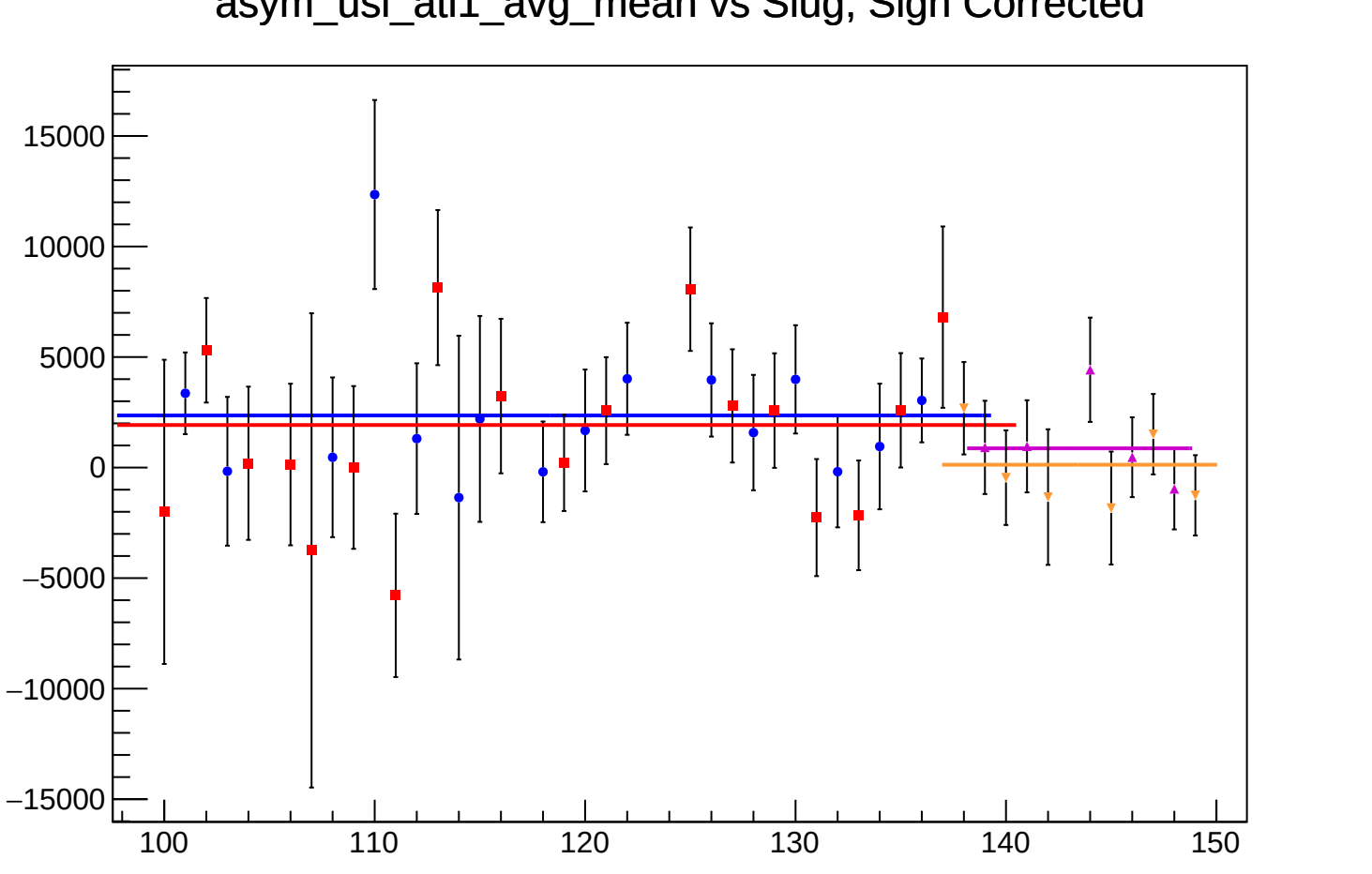
Left: 988.972+/-0.245 χ^2/NDF: 1237476.8/10

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

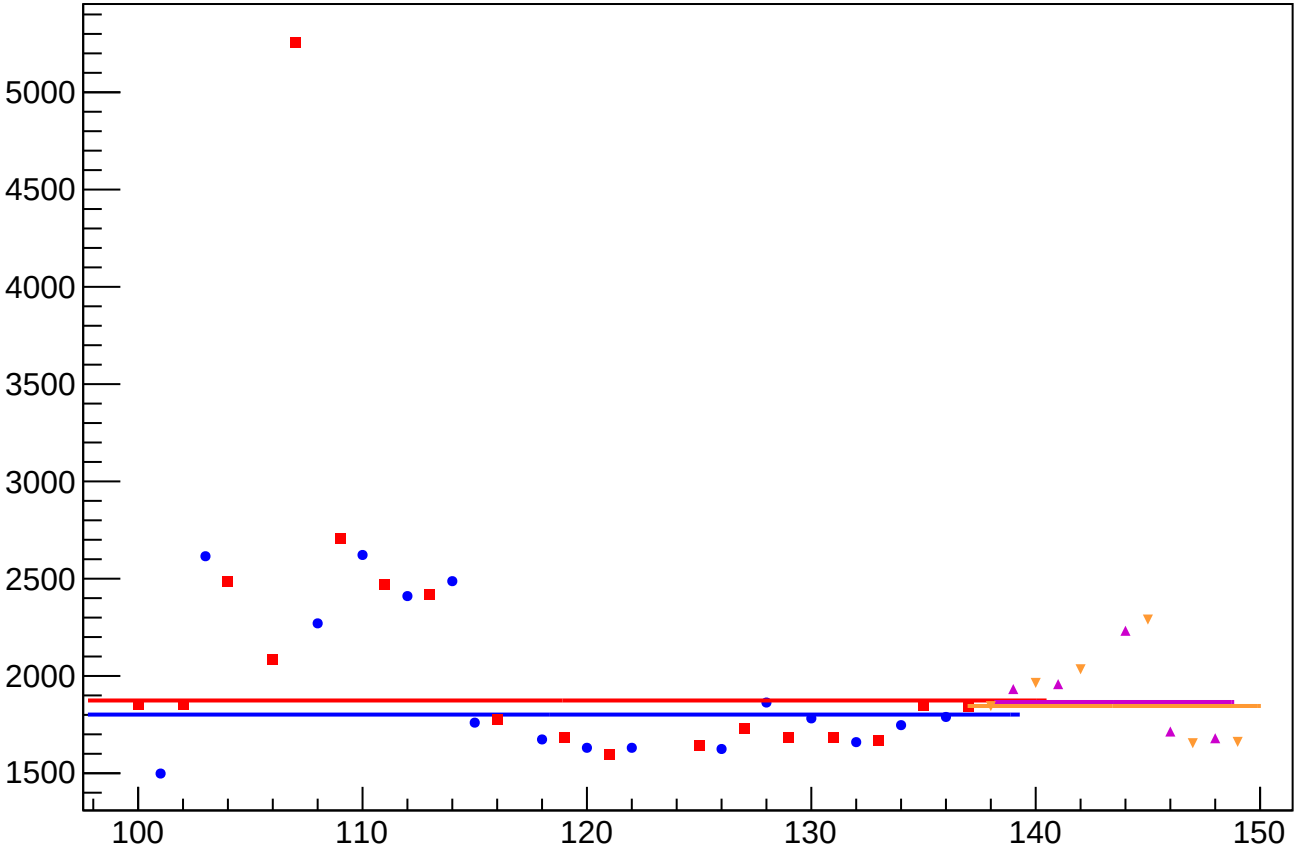
In: 776.917+/-0.177 χ^2/NDF:3610798.2/20

Out: 891.274+/-0.195 χ^2/NDF:2618867.2/23

All: 828.450+/-0.131 χ^2/NDF: 6418069.8/44


asym_usl_atl1_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 2356.998+/-678.944 χ²/NDF: 11.0/15
Left Out: 128.120+/-873.121 χ²/NDF:3.5/5
Right Out: 1924.824+/-706.809 χ²/NDF: 23.4/17
Left In: 869.834+/-898.323 χ²/NDF:3.3/4
Left: 488.427+/-626.110 χ²/NDF: 7.2/10
Right: 2149.598+/-489.640 χ²/NDF: 34.6/33
In: 1816.338+/-541.646 χ²/NDF:16.1/20
Out: 1213.530+/-549.365 χ²/NDF:29.5/23
All: 1519.199+/-385.702 χ²/NDF: 46.2/44

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1845.697+/-0.617 χ^2/NDF:116985.5/5

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1866.194+/-0.635 χ^2/NDF:88852.3/4

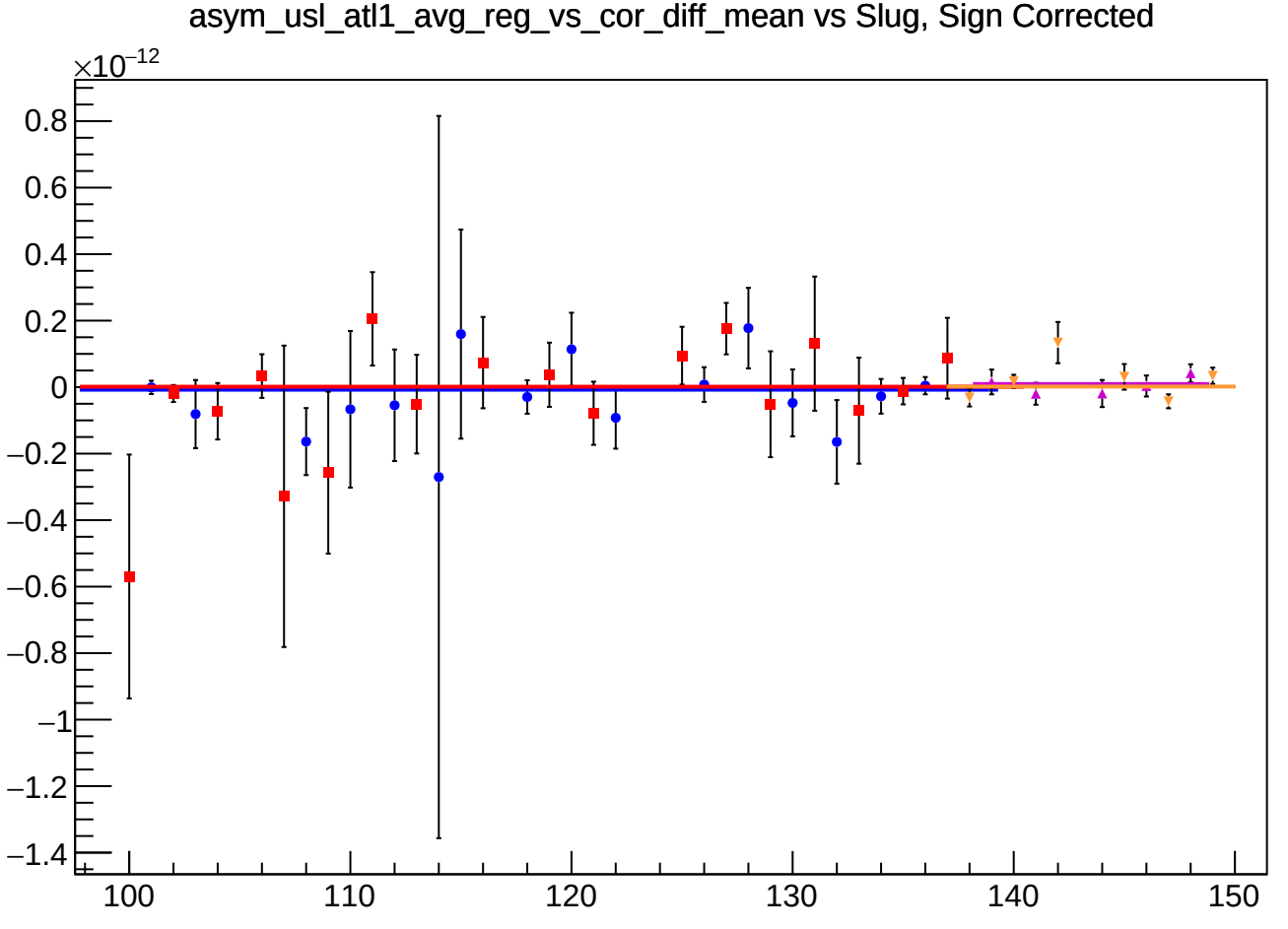
Left: 1855.654+/-0.443 χ^2/NDF: 206373.2/10

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1825.038+/-0.383 χ^2/NDF:496150.6/20

Out: 1862.781+/-0.388 χ^2/NDF:688162.0/23

All: 1843.642+/-0.273 χ^2/NDF: 1189099.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

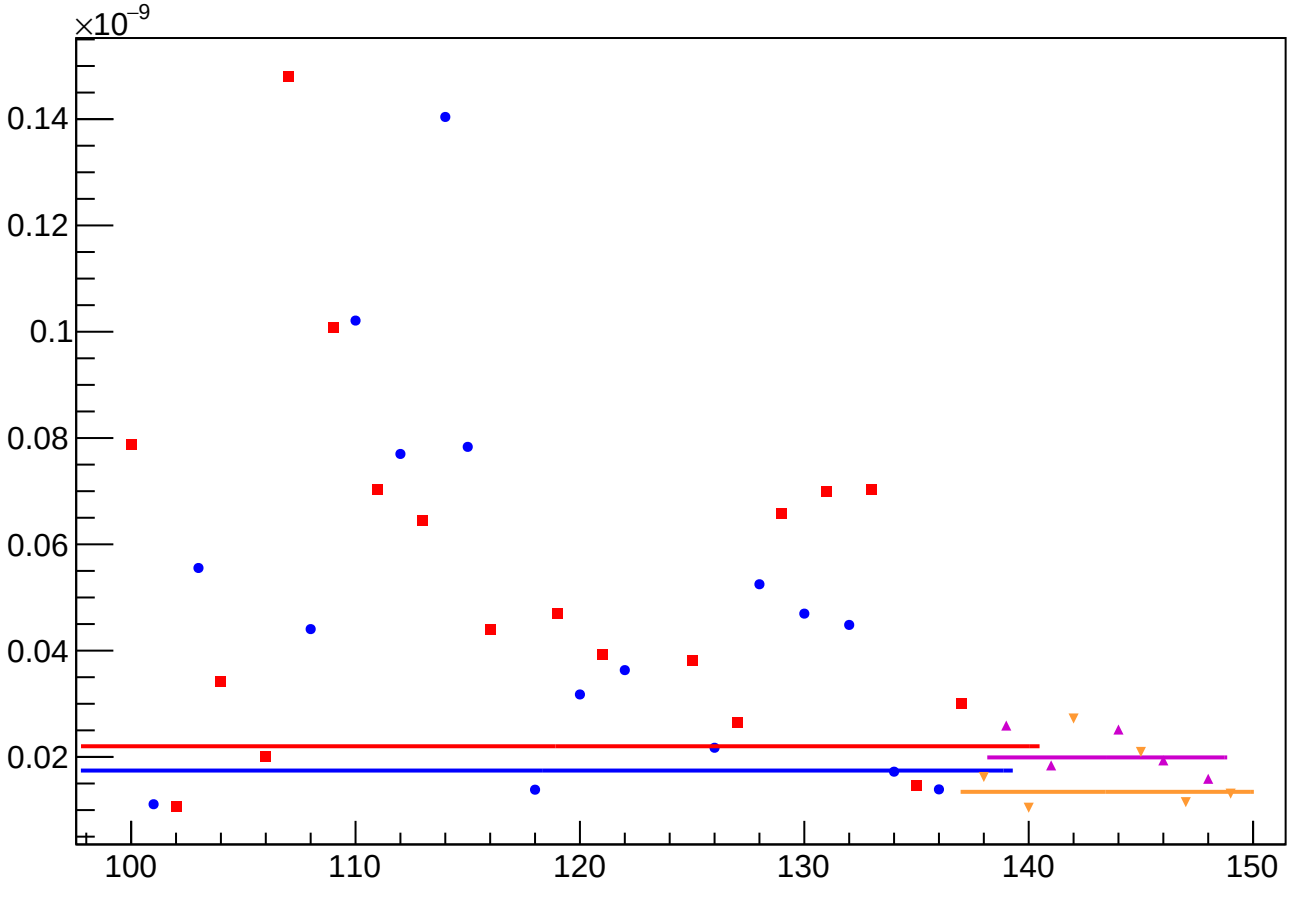
Left: 0.000+/-0.000 χ^2/NDF: 16.4/10

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:30.1/23

All: 0.000+/-0.000 χ^2/NDF: 43.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:258989.2/5

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: 646296.4/10

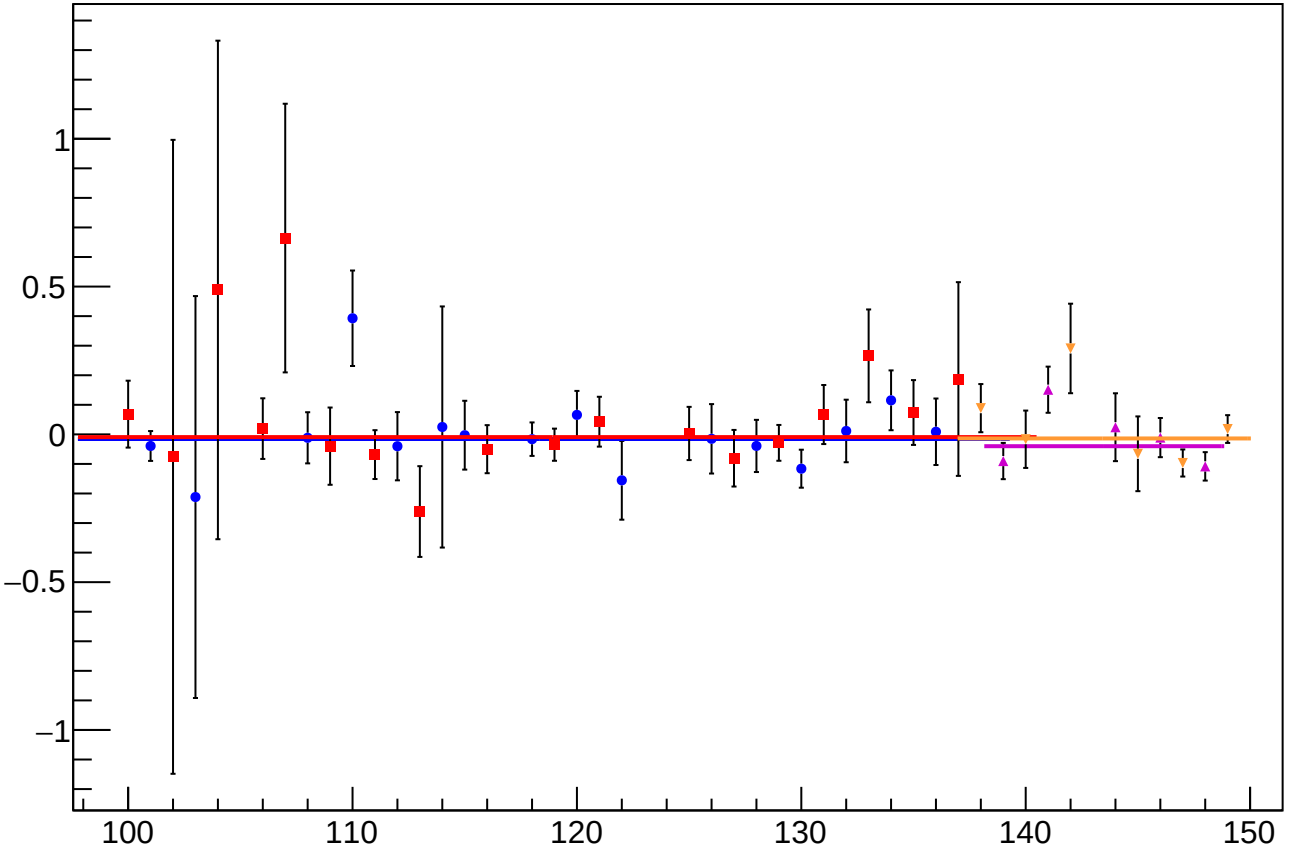
Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2005458.3/20

Out: 0.000+/-0.000 χ^2/NDF:2717591.6/23

All: 0.000+/-0.000 χ^2/NDF: 4804776.6/44

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: -0.014+/-0.028 χ^2/NDF:9.5/5

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.040+/-0.029 χ^2/NDF:9.2/4

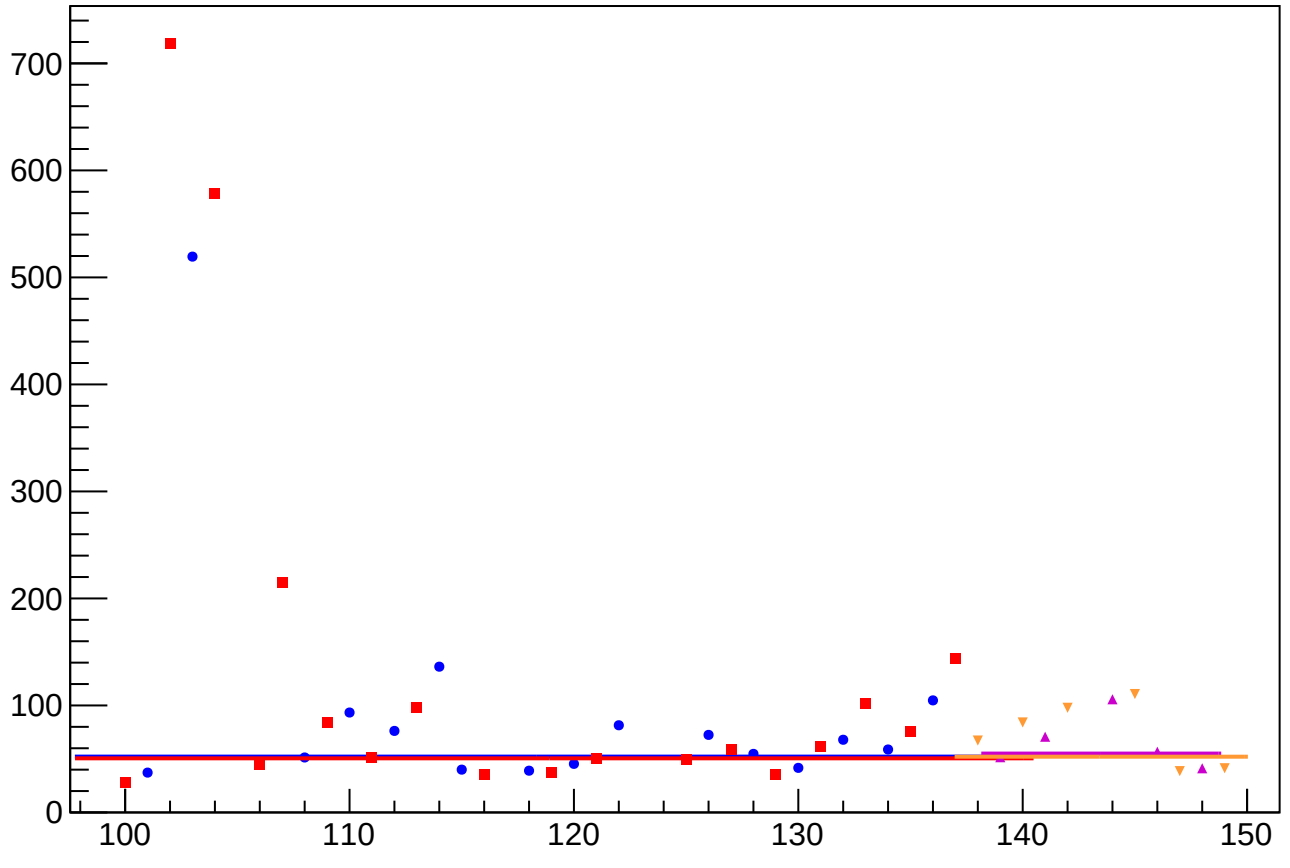
Left: -0.026+/-0.020 χ^2/NDF: 19.1/10

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.011+/-0.018 χ^2/NDF:22.0/23

All: -0.018+/-0.013 χ^2/NDF: 45.1/44



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 52.112+/-0.020 χ^2/NDF:1176771.7/5

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: 53.487+/-0.014 χ^2/NDF: 1830119.7/10

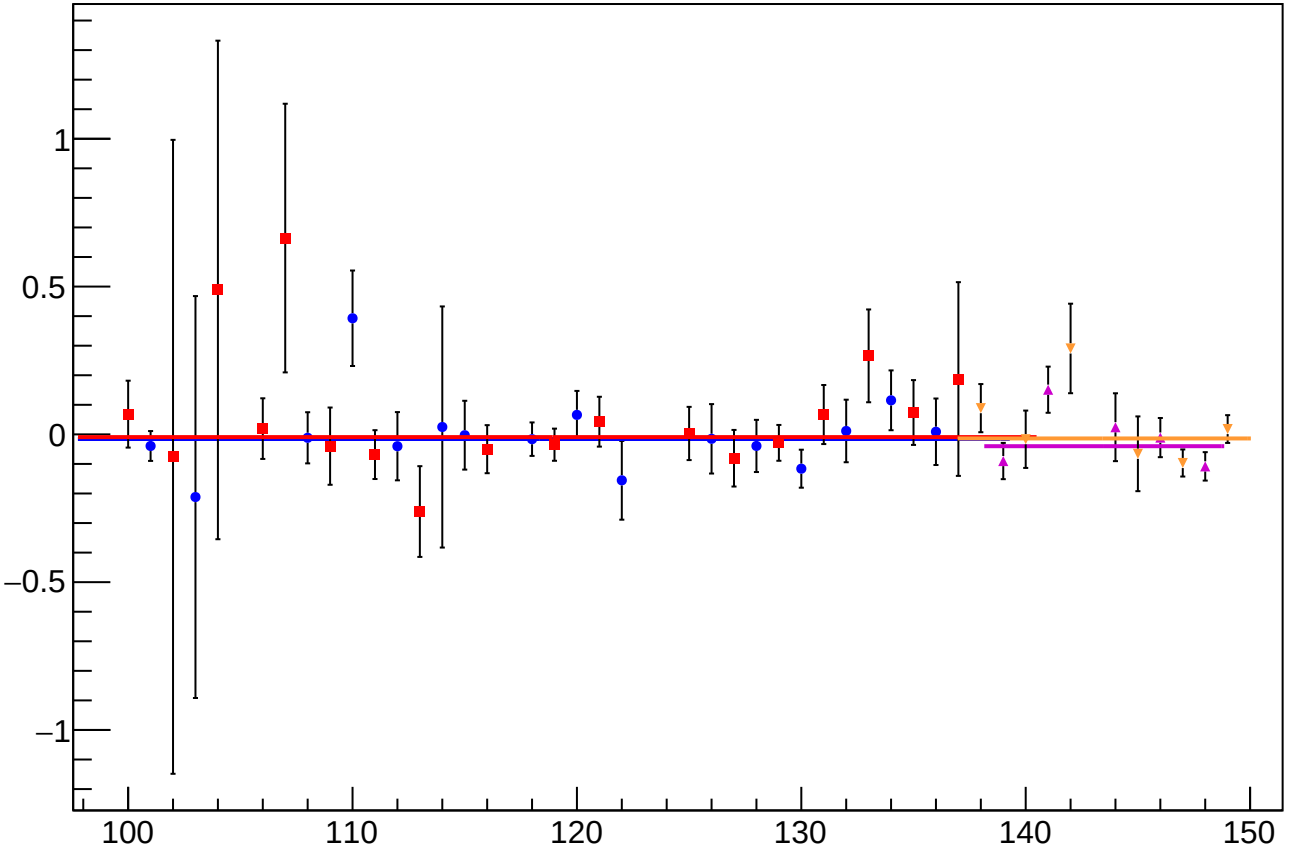
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 53.246+/-0.013 χ^2/NDF:2921583.3/20

Out: 51.222+/-0.013 χ^2/NDF:4231672.3/23

All: 52.239+/-0.009 χ^2/NDF: 7165957.9/44

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.014+/-0.028 χ^2/NDF:9.5/5

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: -0.026+/-0.020 χ^2/NDF: 19.1/10

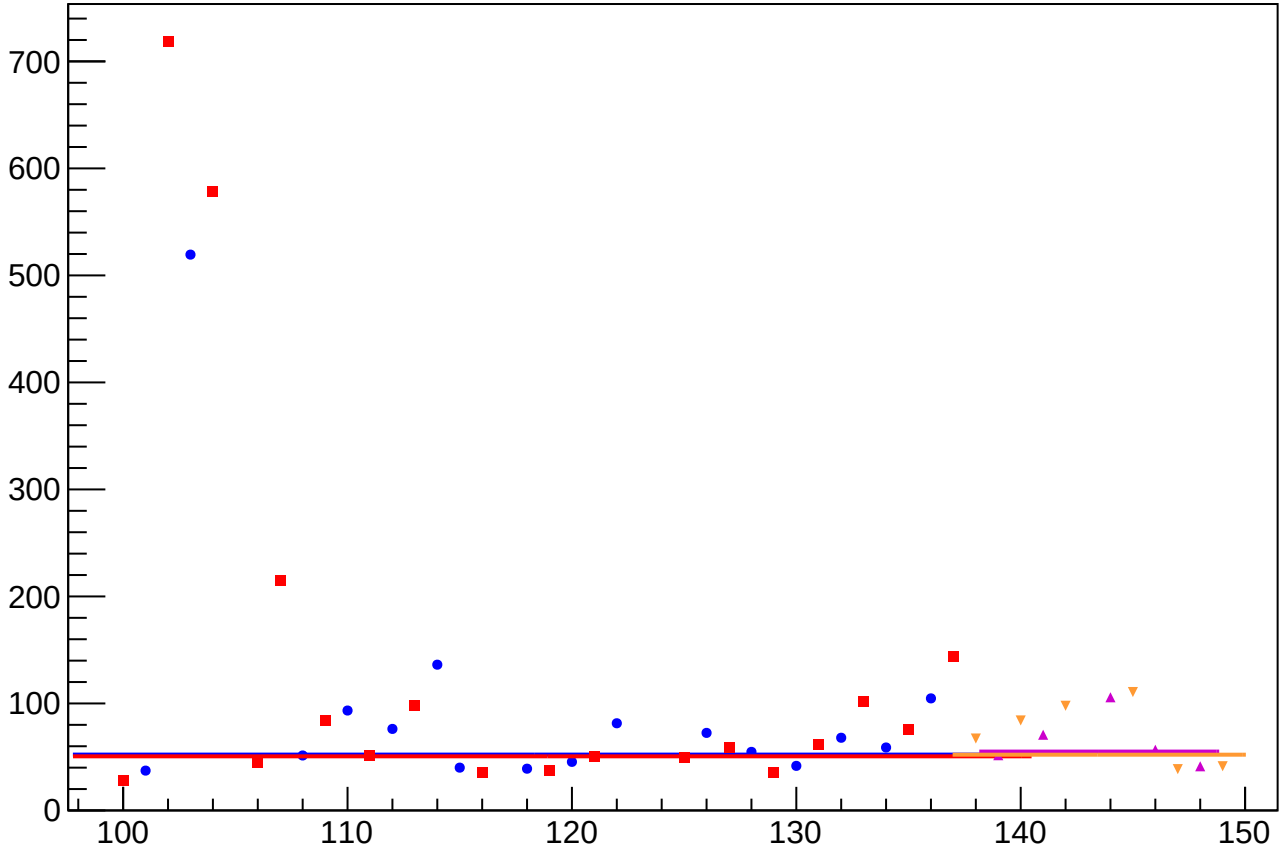
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.011+/-0.018 χ^2/NDF:22.0/23

All: -0.018+/-0.013 χ^2/NDF: 45.1/44

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: 52.112+/-0.020 χ^2/NDF:1176771.7/5

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 55.011+/-0.021 χ^2/NDF:643048.5/4

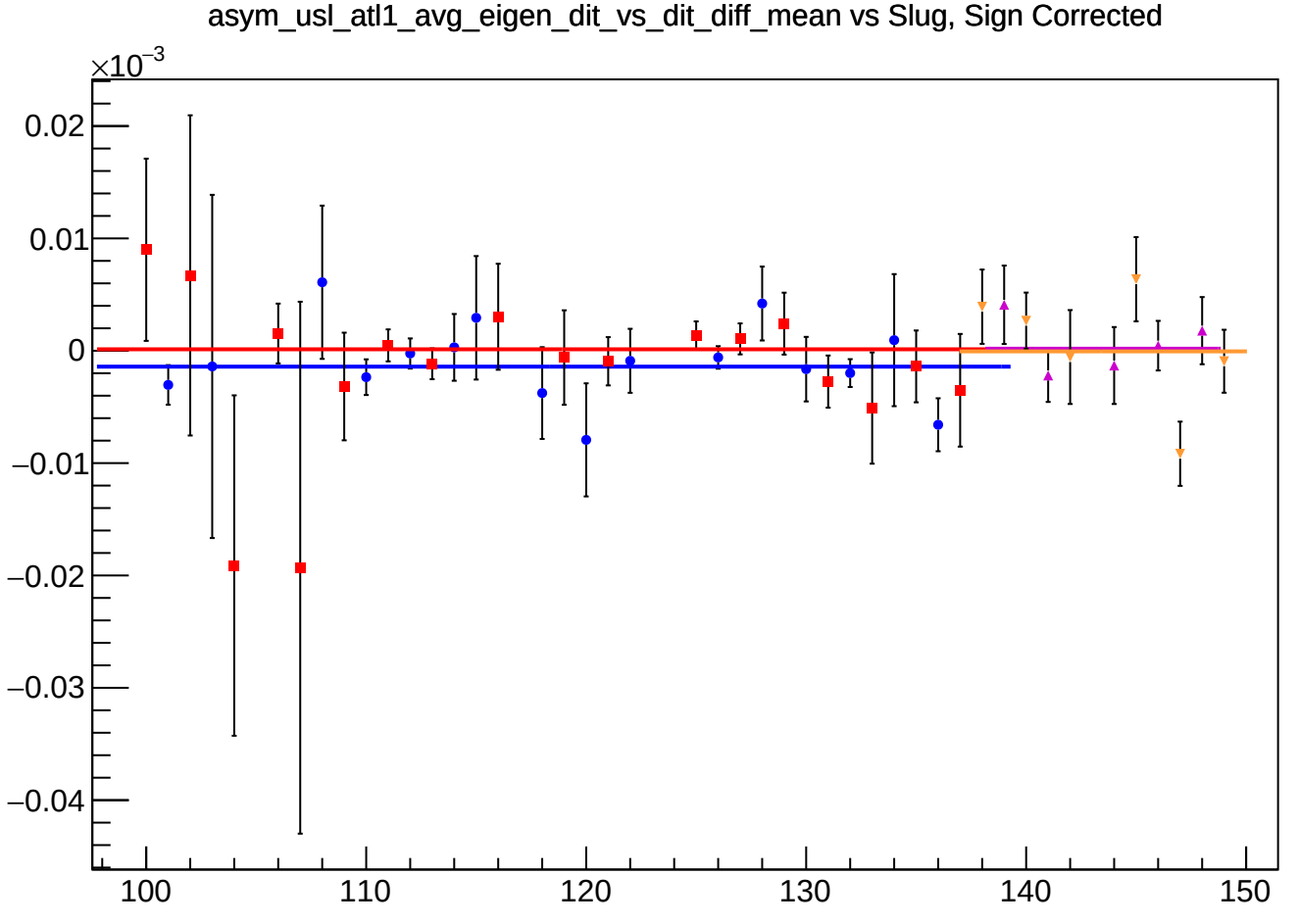
Left: 53.487+/-0.014 χ^2/NDF: 1830119.7/10

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 53.246+/-0.013 χ^2/NDF:2921583.3/20

Out: 51.222+/-0.013 χ^2/NDF:4231672.3/23

All: 52.239+/-0.009 χ^2/NDF: 7165957.9/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/5

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: 18.6/10

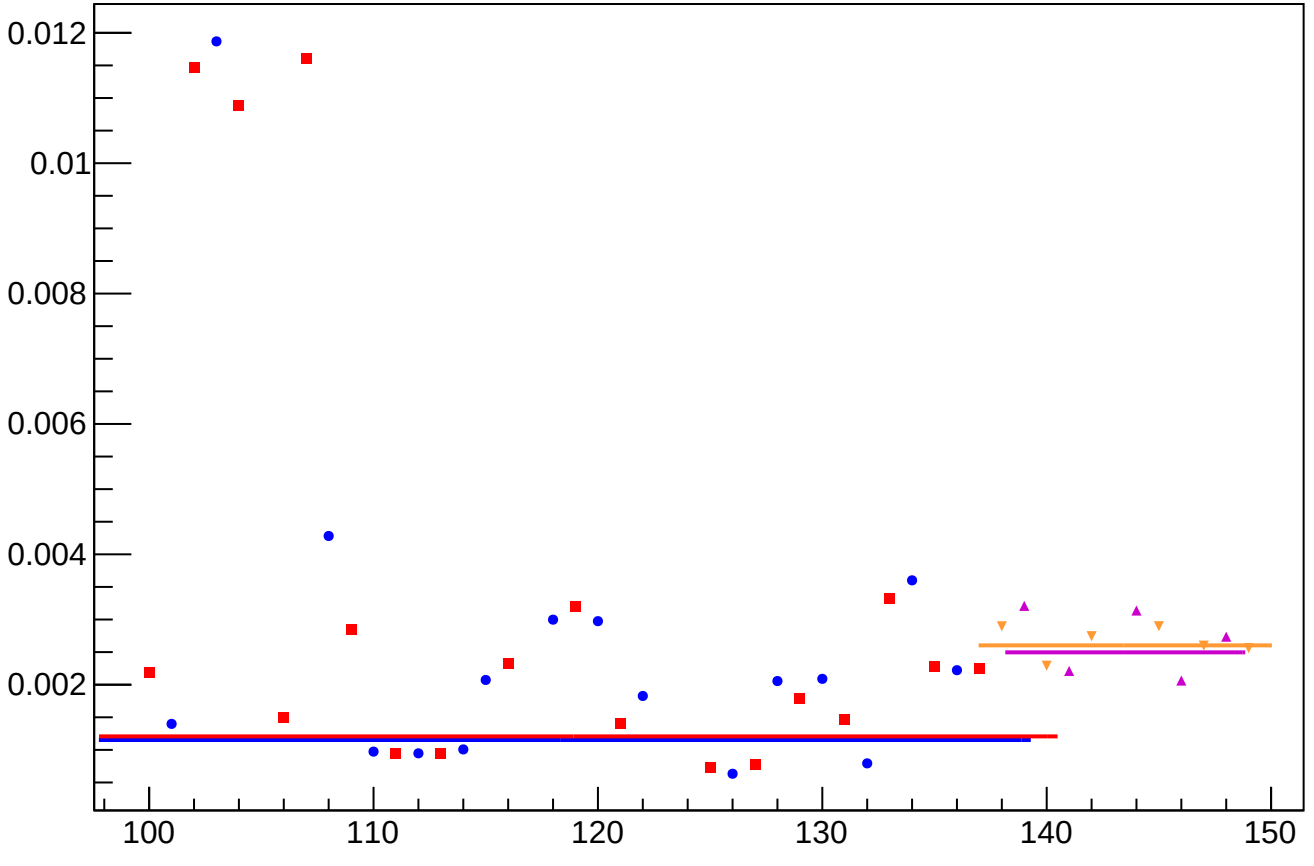
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:19.2/20

Out: 0.000+/-0.000 χ^2/NDF:27.4/23

All: -0.000+/-0.000 χ^2/NDF: 50.0/44

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:61660.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:272812.5/4

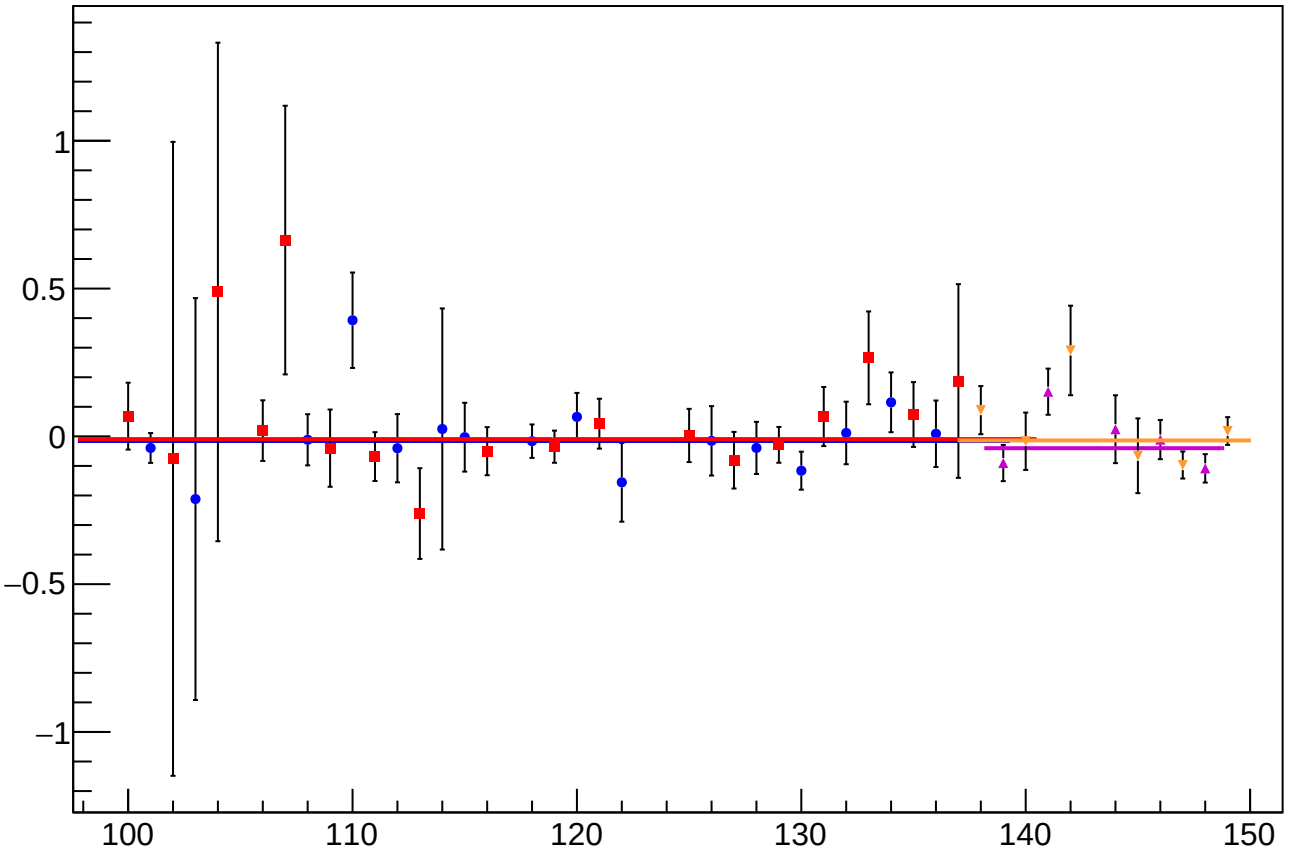
Left: 0.003+/-0.000 χ^2/NDF: 341883.2/10

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:6635122.7/23

All: 0.001+/-0.000 χ^2/NDF: 13163455.1/44



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.014+/-0.028 χ^2/NDF:9.5/5

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: -0.026+/-0.020 χ^2/NDF: 19.1/10

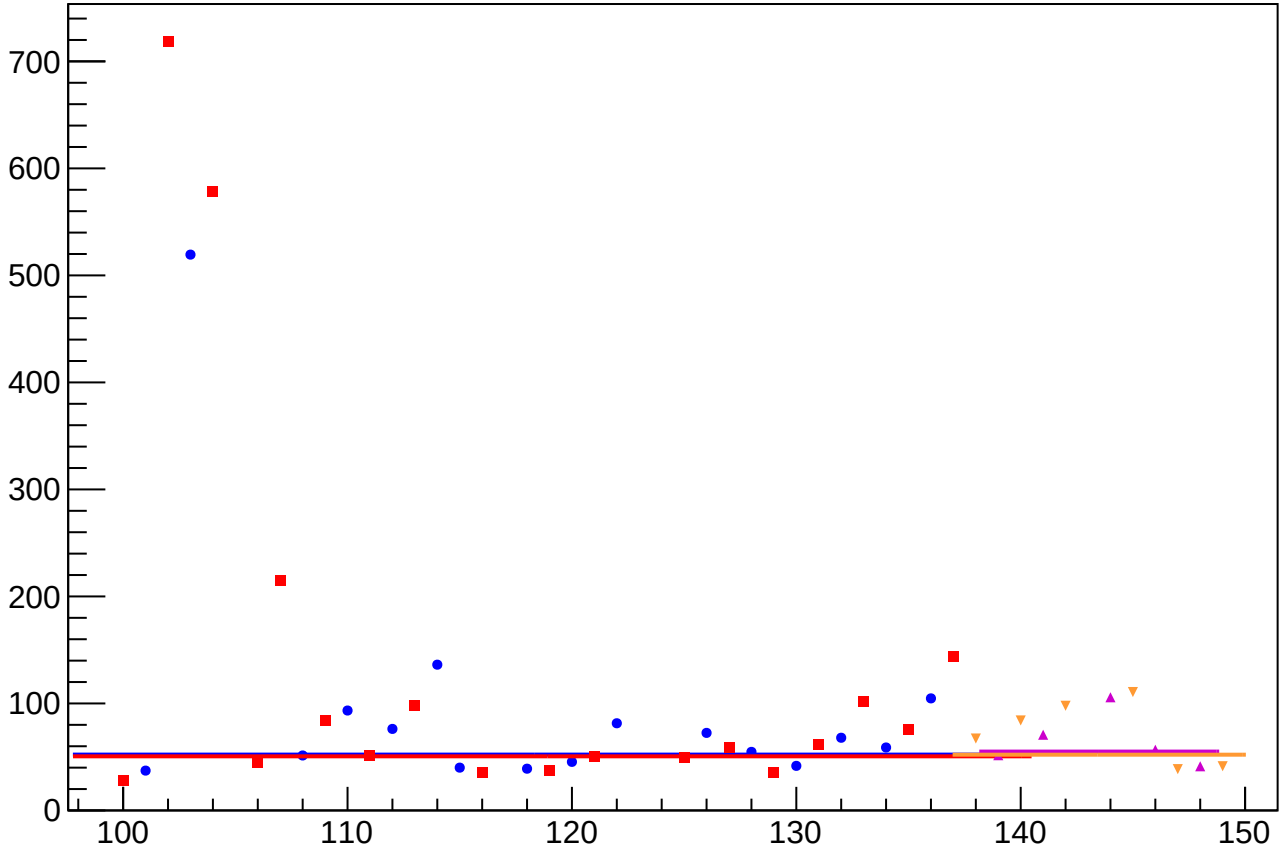
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.011+/-0.018 χ^2/NDF:22.0/23

All: -0.018+/-0.013 χ^2/NDF: 45.1/44

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: 52.113+/-0.020 χ^2/NDF:1176732.3/5

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: 53.487+/-0.014 χ^2/NDF: 1830067.7/10

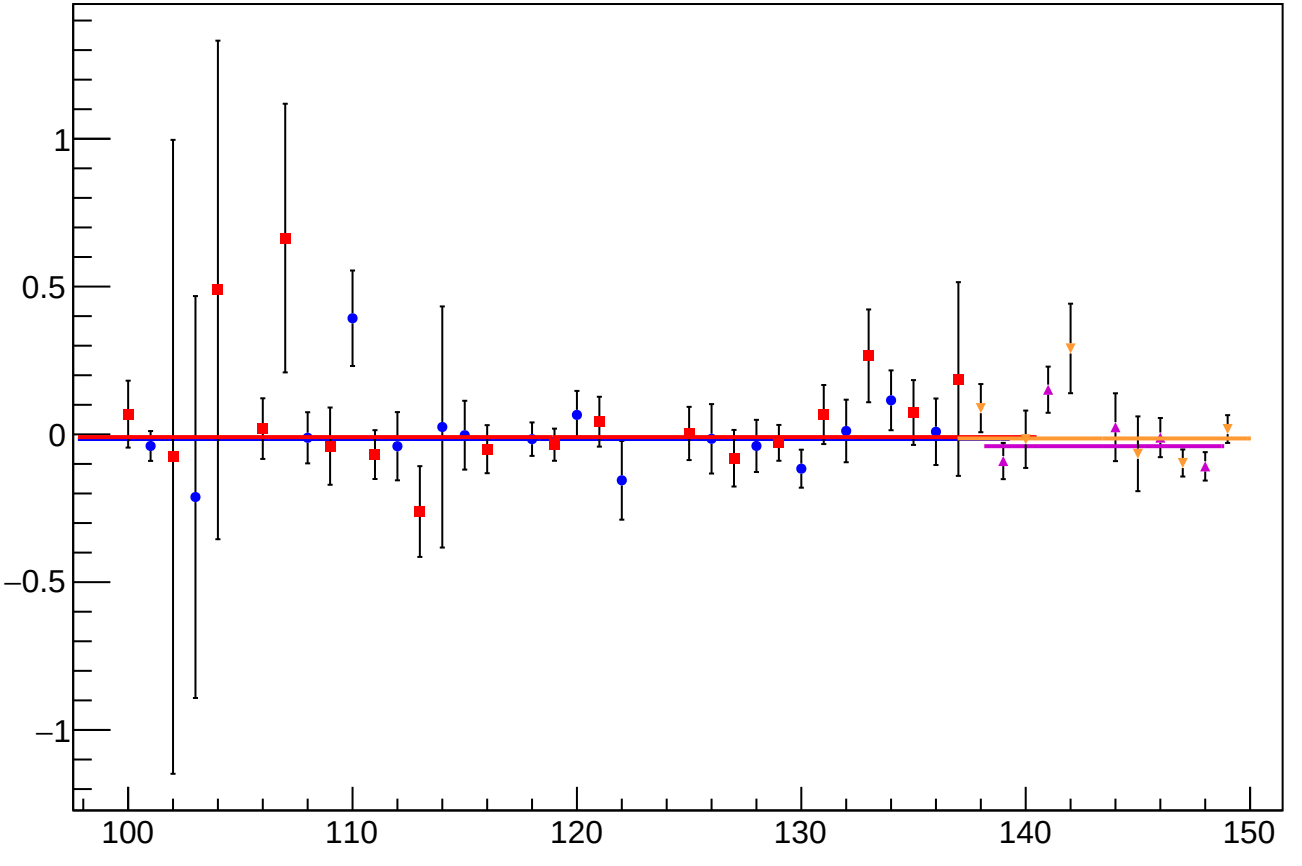
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.246+/-0.013 χ^2/NDF:2921569.2/20

Out: 51.222+/-0.013 χ^2/NDF:4231620.9/23

All: 52.239+/-0.009 χ^2/NDF: 7165891.9/44

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: -0.014+/-0.028 χ^2/NDF:9.5/5

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.040+/-0.029 χ^2/NDF:9.2/4

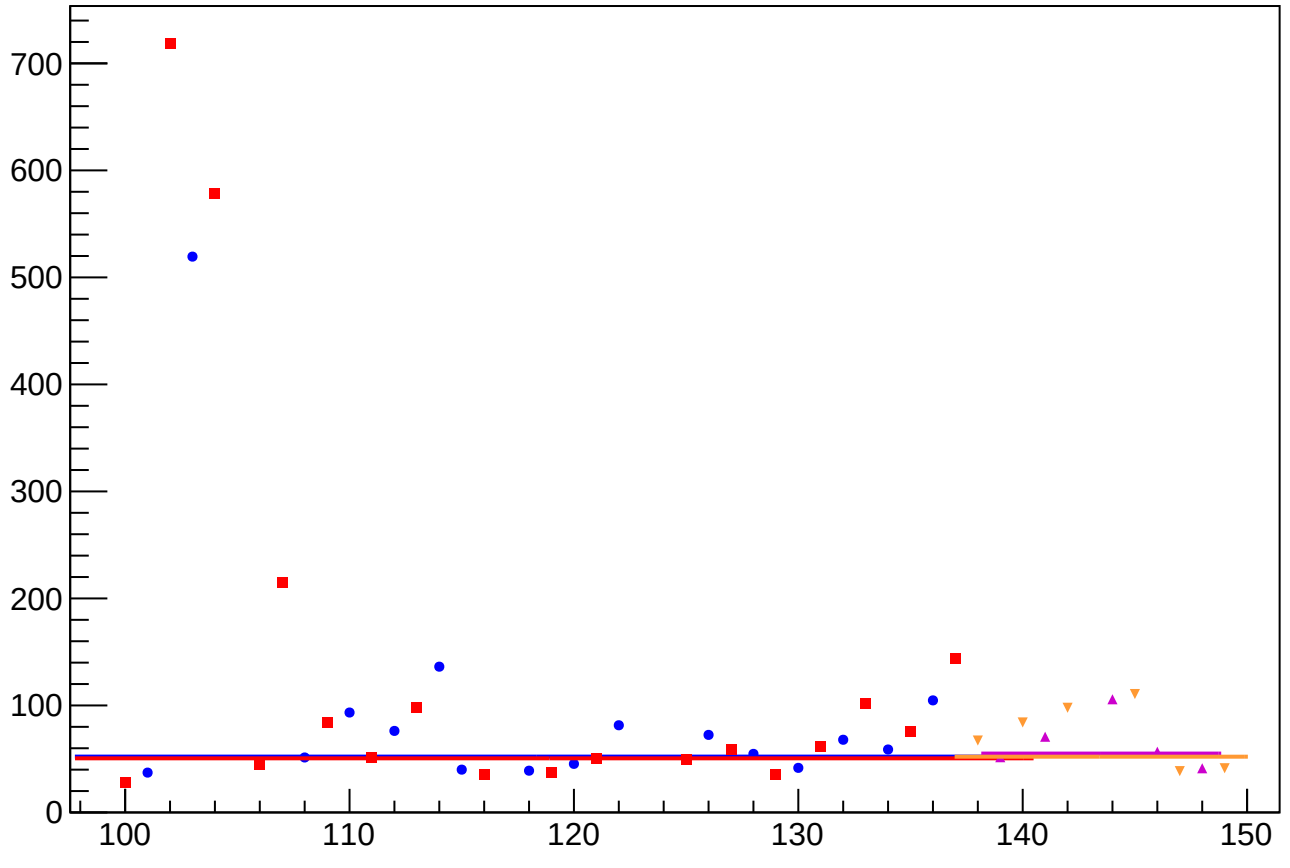
Left: -0.026+/-0.020 χ^2/NDF: 19.1/10

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.025+/-0.018 χ^2/NDF:22.8/20

Out: -0.011+/-0.018 χ^2/NDF:22.0/23

All: -0.018+/-0.013 χ^2/NDF: 45.1/44



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 52.113+/-0.020 χ^2/NDF:1176732.3/5

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 55.011+/-0.021 χ^2/NDF:643037.8/4

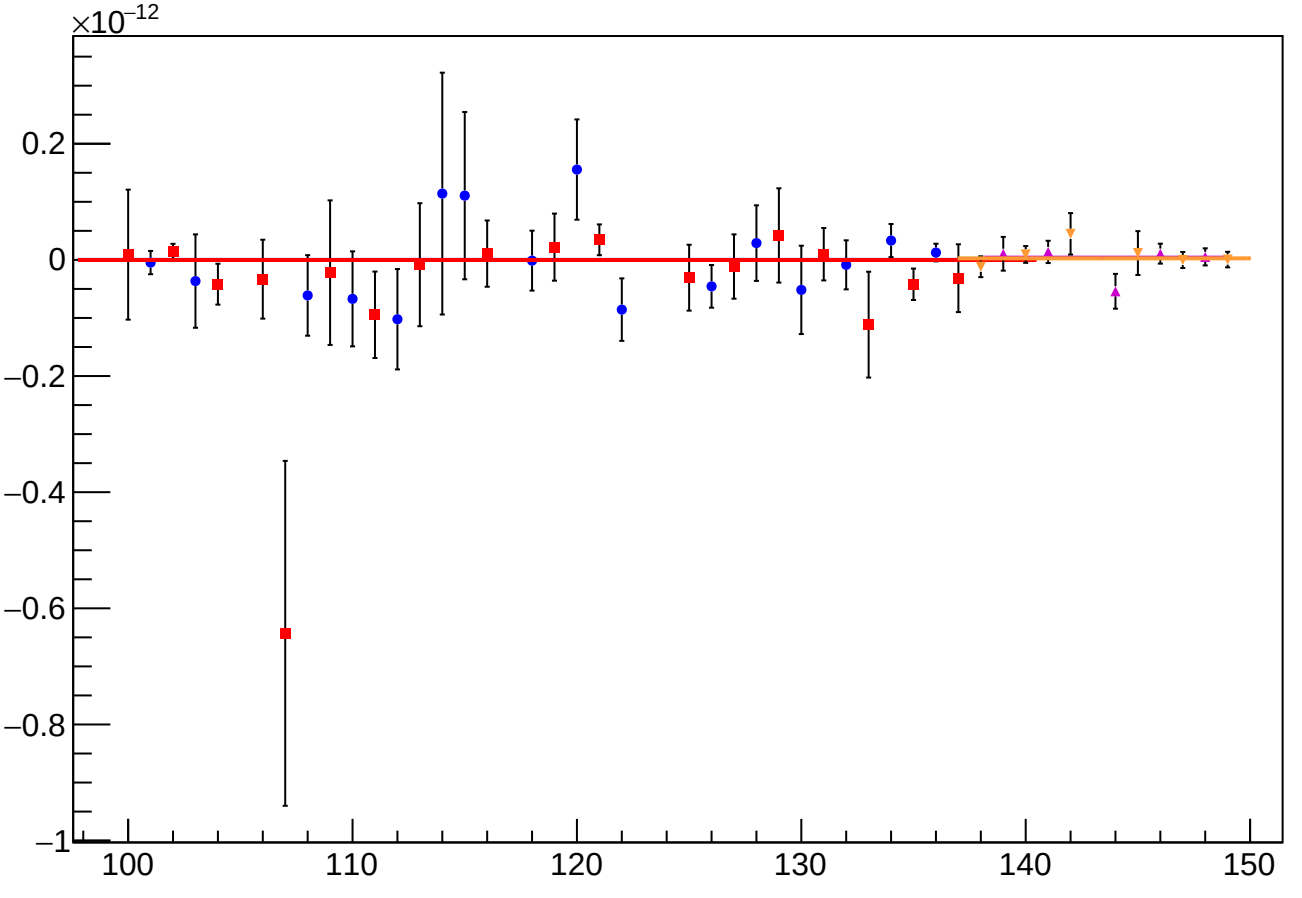
Left: 53.487+/-0.014 χ^2/NDF: 1830067.7/10

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 53.246+/-0.013 χ^2/NDF:2921569.2/20

Out: 51.222+/-0.013 χ^2/NDF:4231620.9/23

All: 52.239+/-0.009 χ^2/NDF: 7165891.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/4

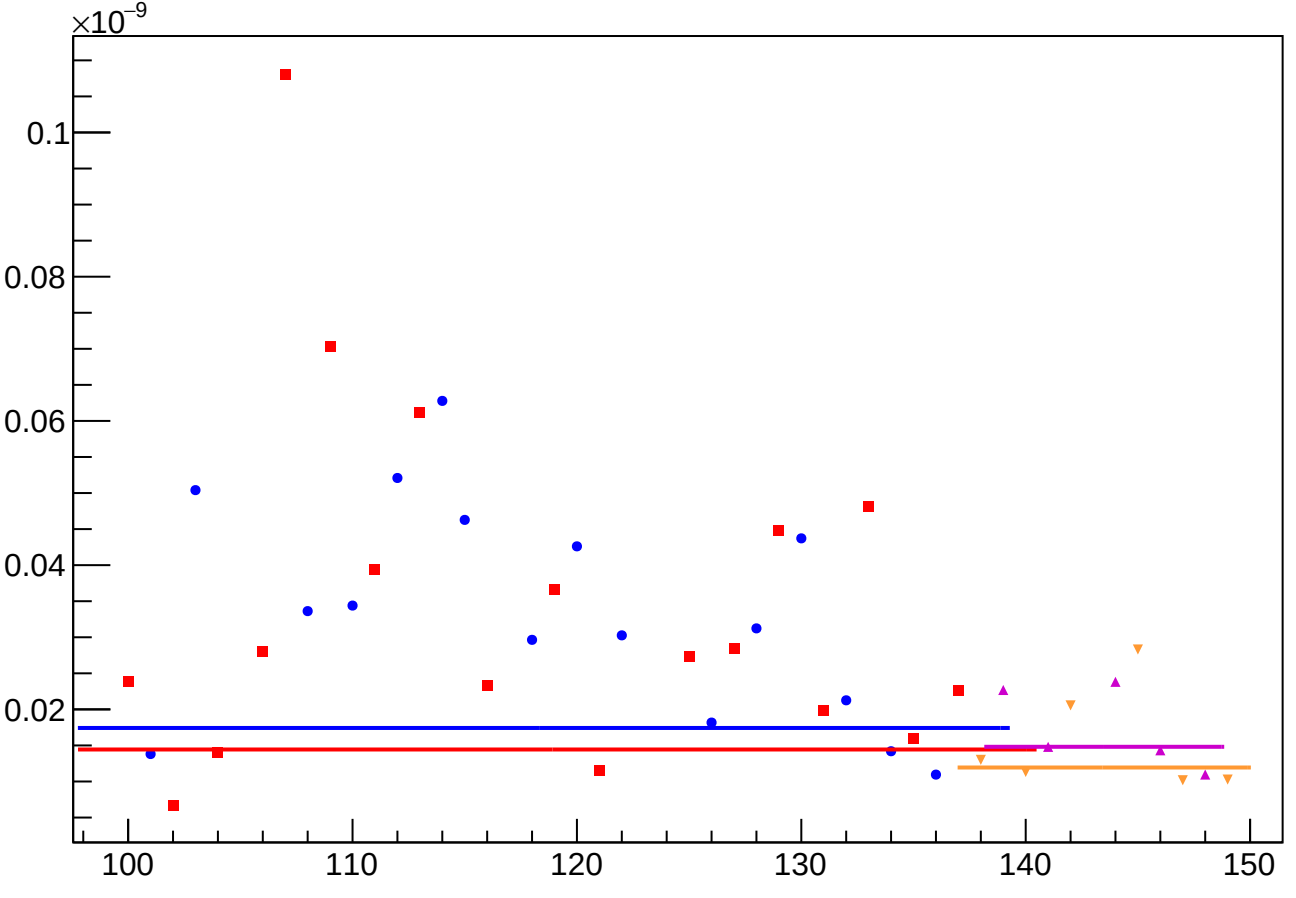
Left: 0.000+/-0.000 χ^2/NDF: 6.6/10

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:18.5/23

All: 0.000+/-0.000 χ^2/NDF: 36.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:567047.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:465761.5/4

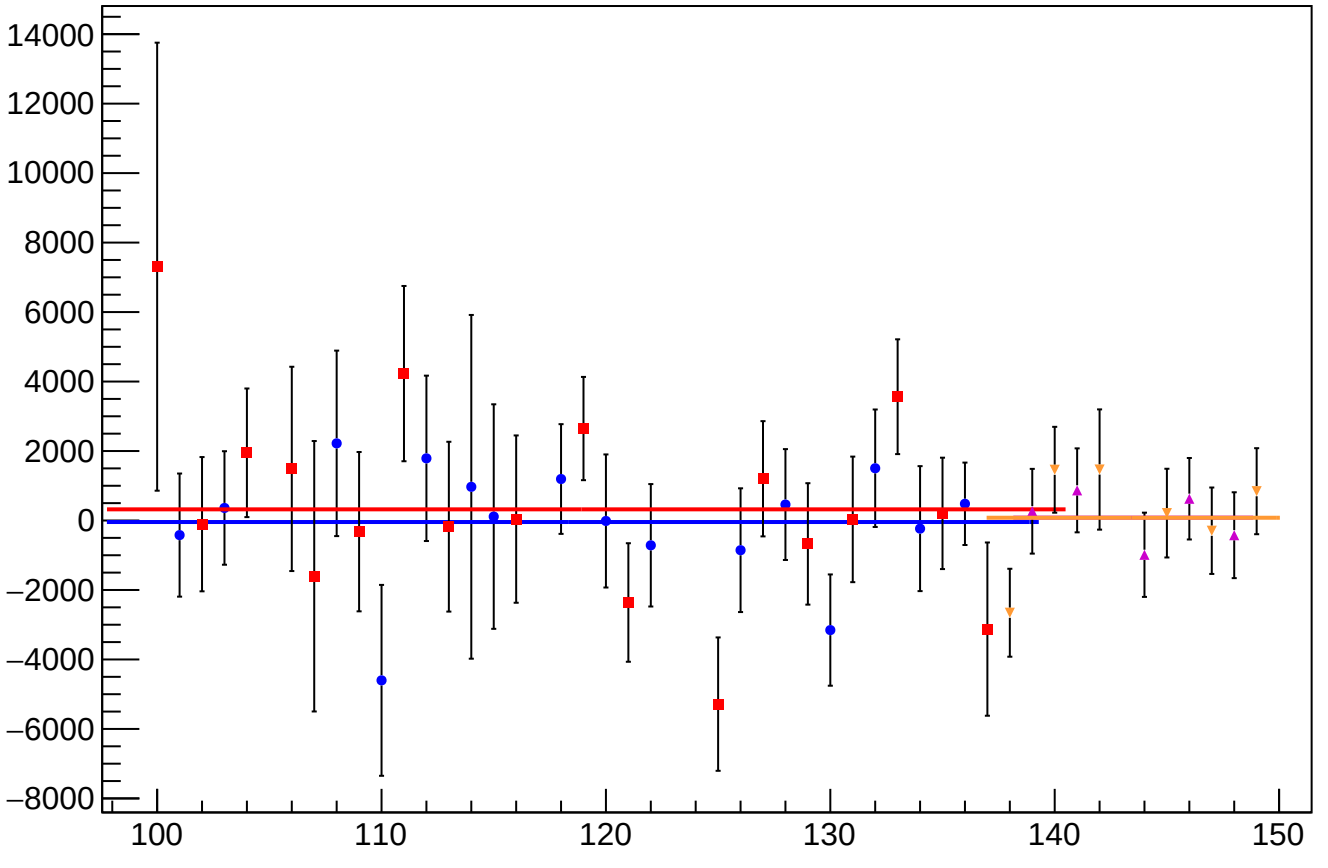
Left: 0.000+/-0.000 χ^2/NDF: 1163288.5/10

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:3924398.4/23

All: 0.000+/-0.000 χ^2/NDF: 6971193.8/44



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 79.454+/-532.636 χ^2/NDF:7.0/5

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: 80.798+/-379.505 χ^2/NDF: 8.6/10

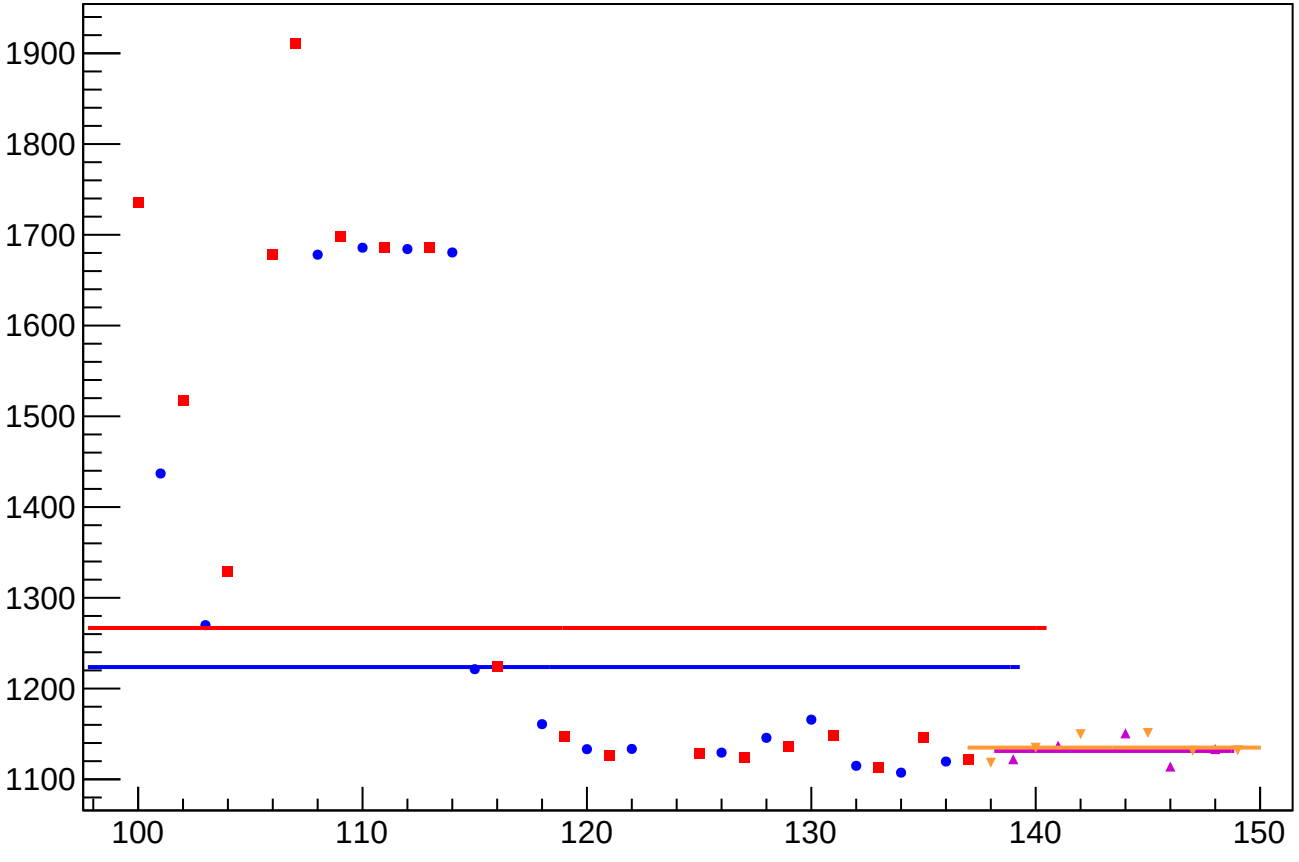
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 9.045+/-350.062 χ^2/NDF:11.7/20

Out: 214.162+/-354.483 χ^2/NDF:31.9/23

All: 110.316+/-249.079 χ^2/NDF: 43.8/44

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.935+/-0.377 χ^2/NDF:837.1/5

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: 1133.124+/-0.268 χ^2/NDF: 1989.0/10

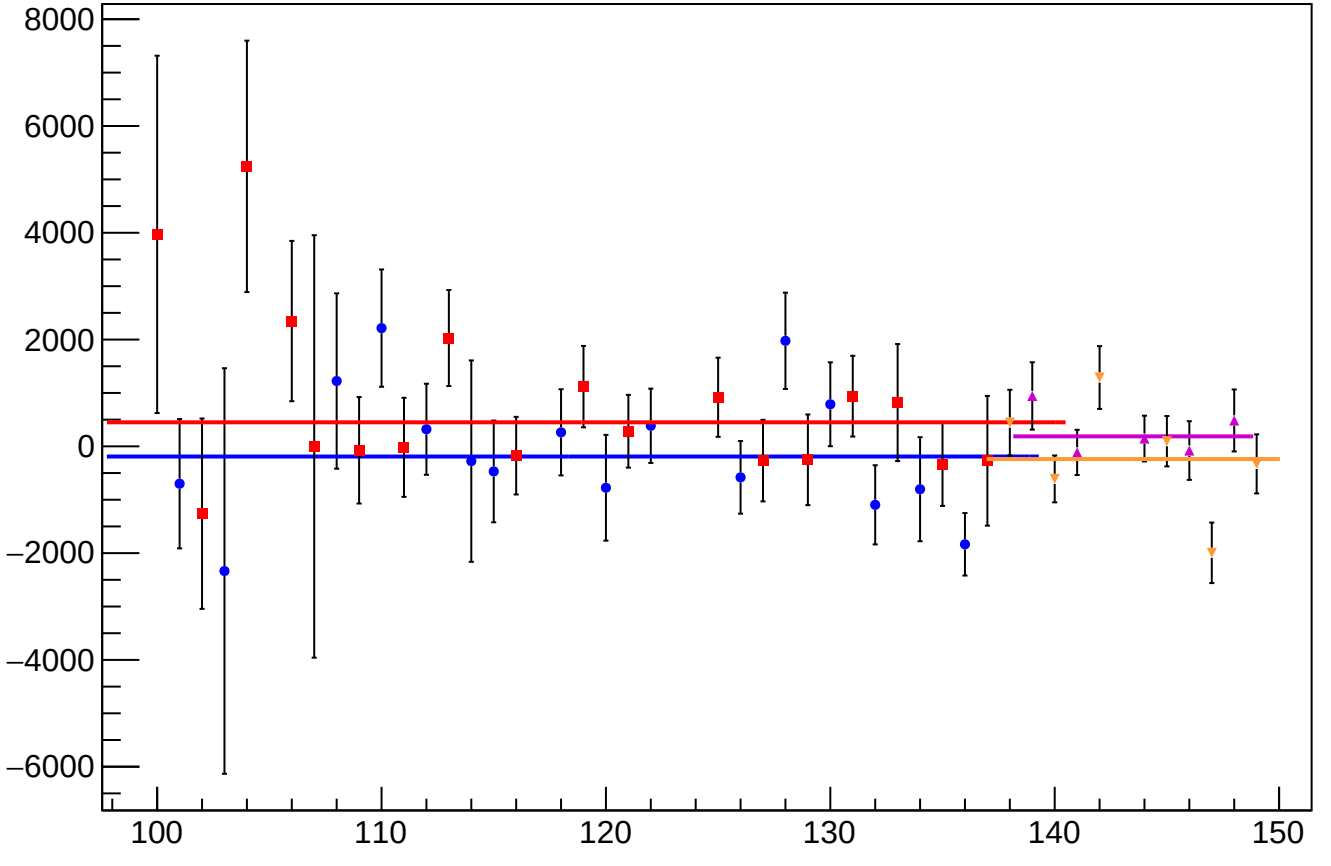
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1184.978+/-0.248 χ^2/NDF:330026.3/20

Out: 1208.383+/-0.251 χ^2/NDF:501948.9/23

All: 1196.533+/-0.176 χ^2/NDF: 836389.3/44

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: -237.603+/-215.121 χ^2/NDF:18.8/5

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 187.069+/-224.595 χ^2/NDF:2.5/4

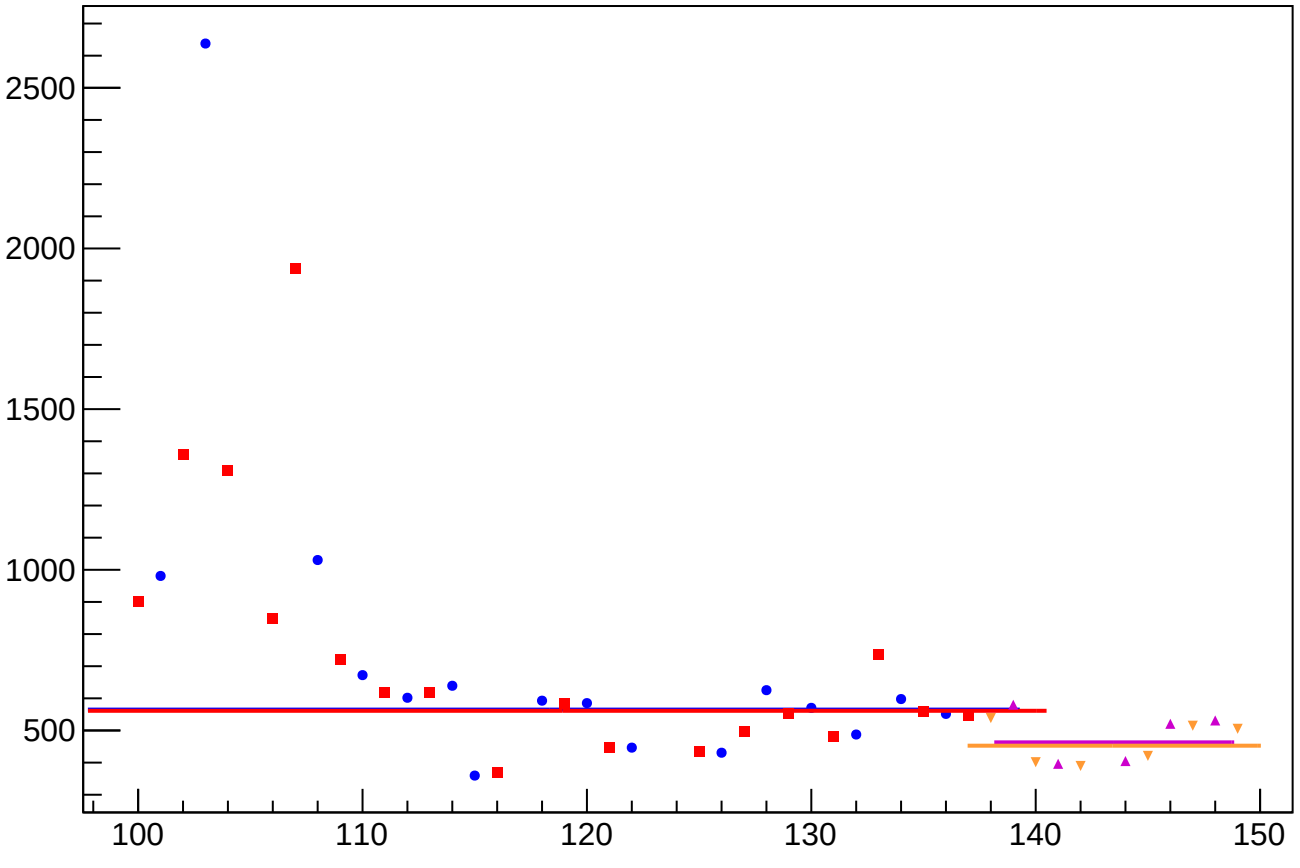
Left: -34.412+/-155.355 χ^2/NDF: 23.2/10

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -3.239+/-158.199 χ^2/NDF:29.1/20

Out: 93.451+/-154.892 χ^2/NDF:40.6/23

All: 46.127+/-110.676 χ^2/NDF: 69.9/44



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 452.656+/-0.152 χ^2/NDF:140674.6/5

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 462.992+/-0.159 χ^2/NDF:205057.3/4

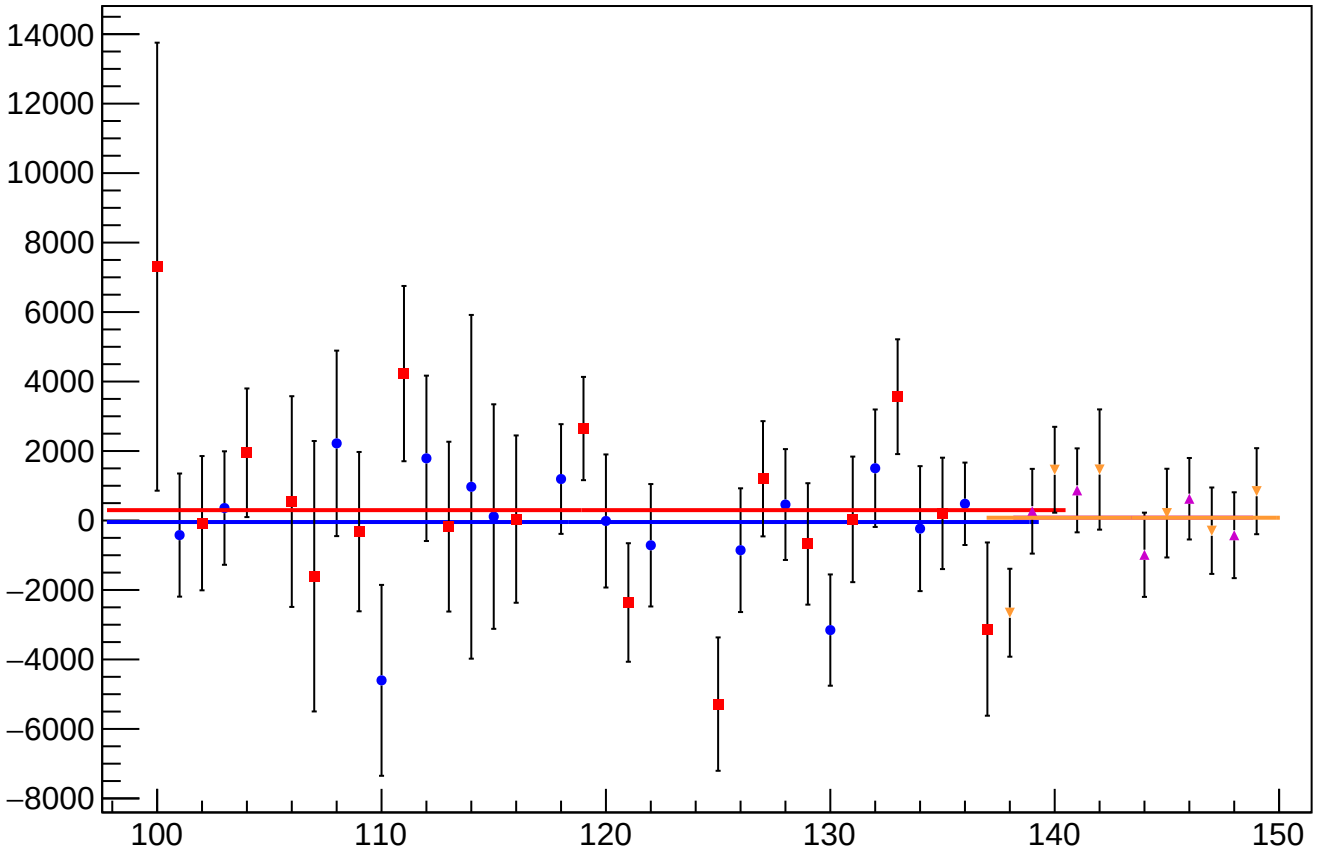
Left: 457.601+/-0.110 χ^2/NDF: 347941.0/10

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 514.368+/-0.112 χ^2/NDF:1697246.4/20

Out: 504.948+/-0.110 χ^2/NDF:1738318.9/23

All: 509.559+/-0.078 χ^2/NDF: 3439186.2/44



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 79.580+/-532.636 χ^2/NDF:7.0/5

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: 80.801+/-379.505 χ^2/NDF: 8.6/10

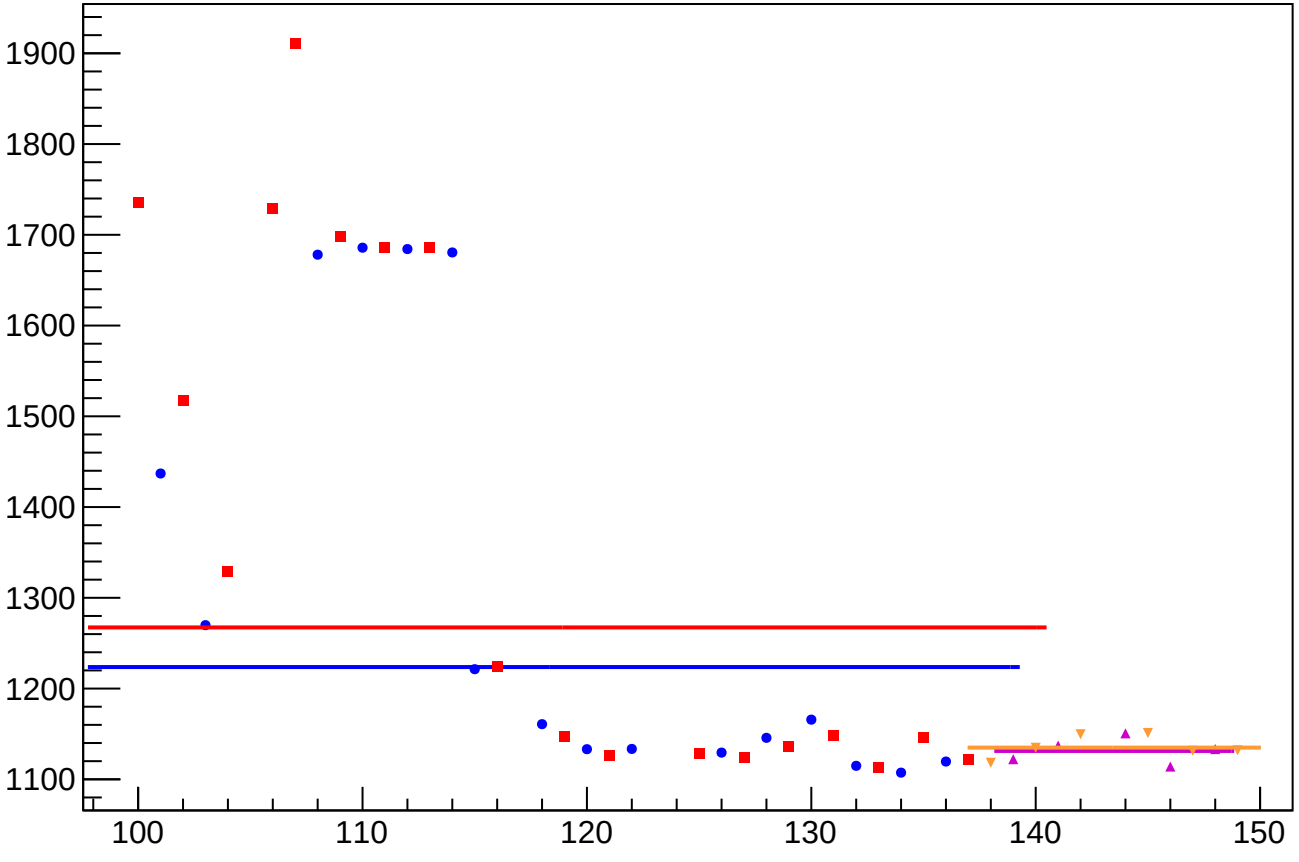
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 8.853+/-350.062 χ^2/NDF:11.7/20

Out: 201.287+/-354.639 χ^2/NDF:31.8/23

All: 103.820+/-249.134 χ^2/NDF: 43.6/44

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.935+/-0.377 χ^2/NDF:837.1/5

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

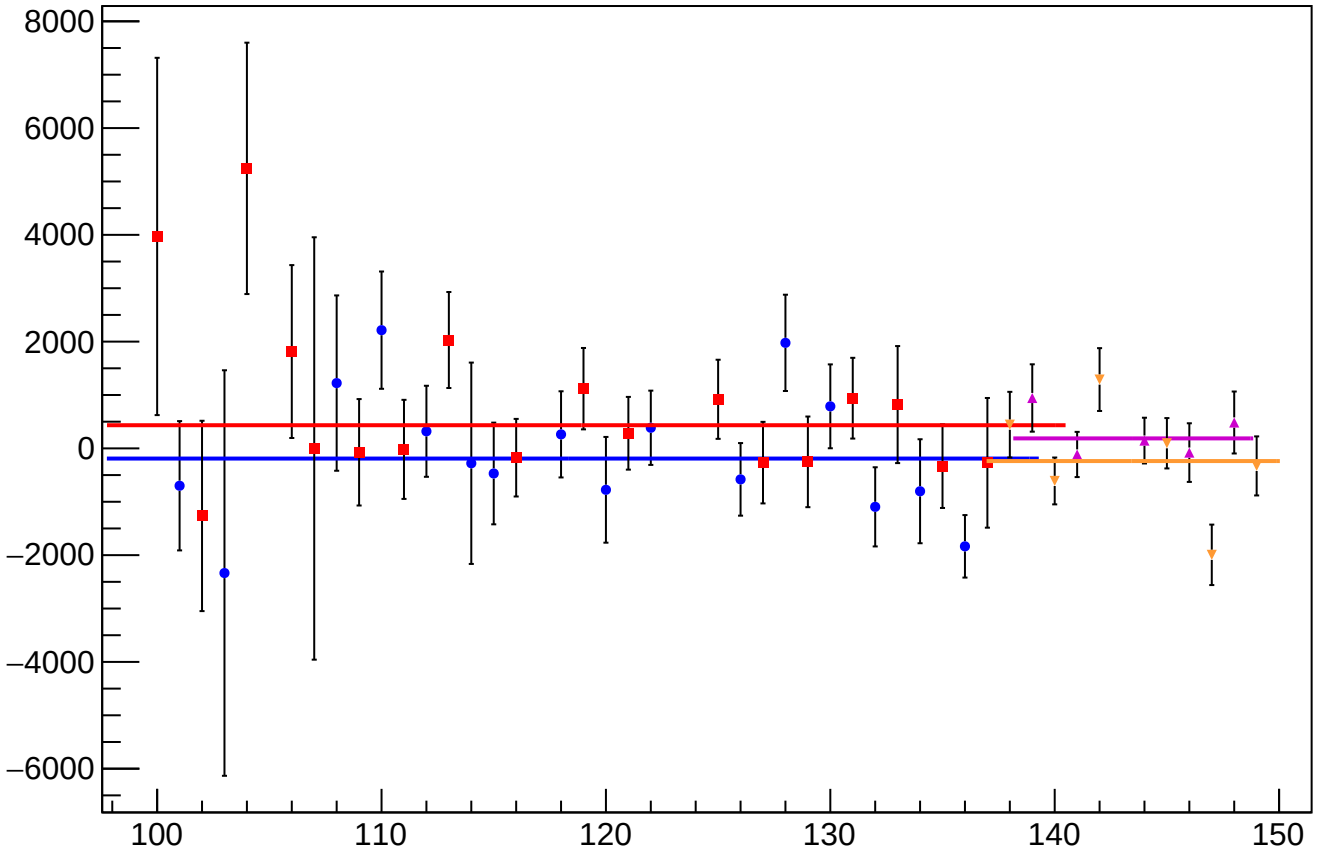
Left: 1133.124+/-0.268 χ^2/NDF: 1989.0/10

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1184.978+/-0.248 χ^2/NDF:330026.3/20

Out: 1208.656+/-0.251 χ^2/NDF:509643.2/23

All: 1196.663+/-0.176 χ^2/NDF: 844185.4/44



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -237.568+/-215.120 χ^2/NDF:18.8/5

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 186.986+/-224.596 χ^2/NDF:2.5/4

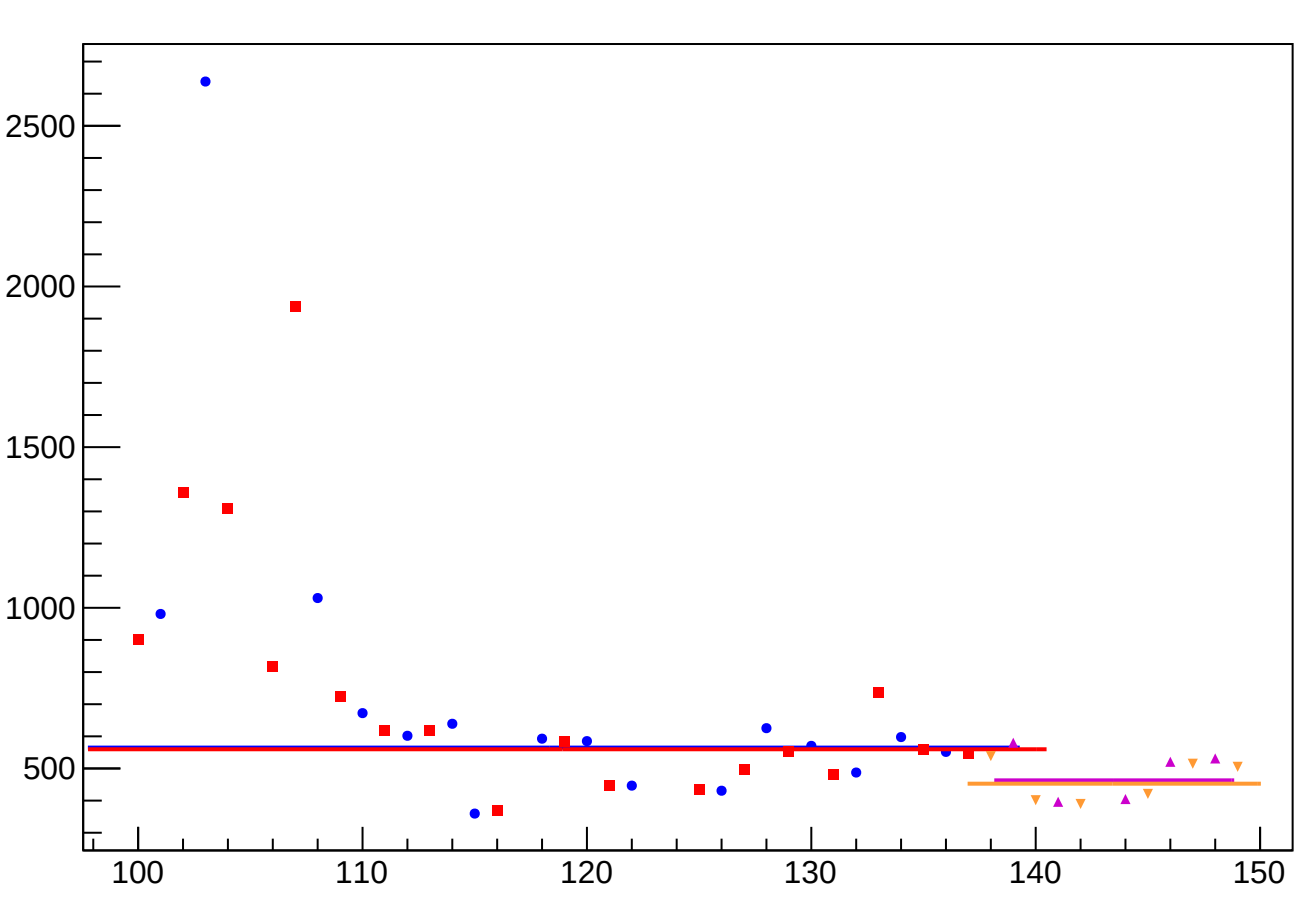
Left: -34.436+/-155.355 χ^2/NDF: 23.1/10

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -3.288+/-158.199 χ^2/NDF:29.1/20

Out: 85.260+/-155.006 χ^2/NDF:39.5/23

All: 41.888+/-110.717 χ^2/NDF: 68.7/44



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 452.654+/-0.152 χ^2/NDF:140646.0/5

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 462.994+/-0.159 χ^2/NDF:205058.8/4

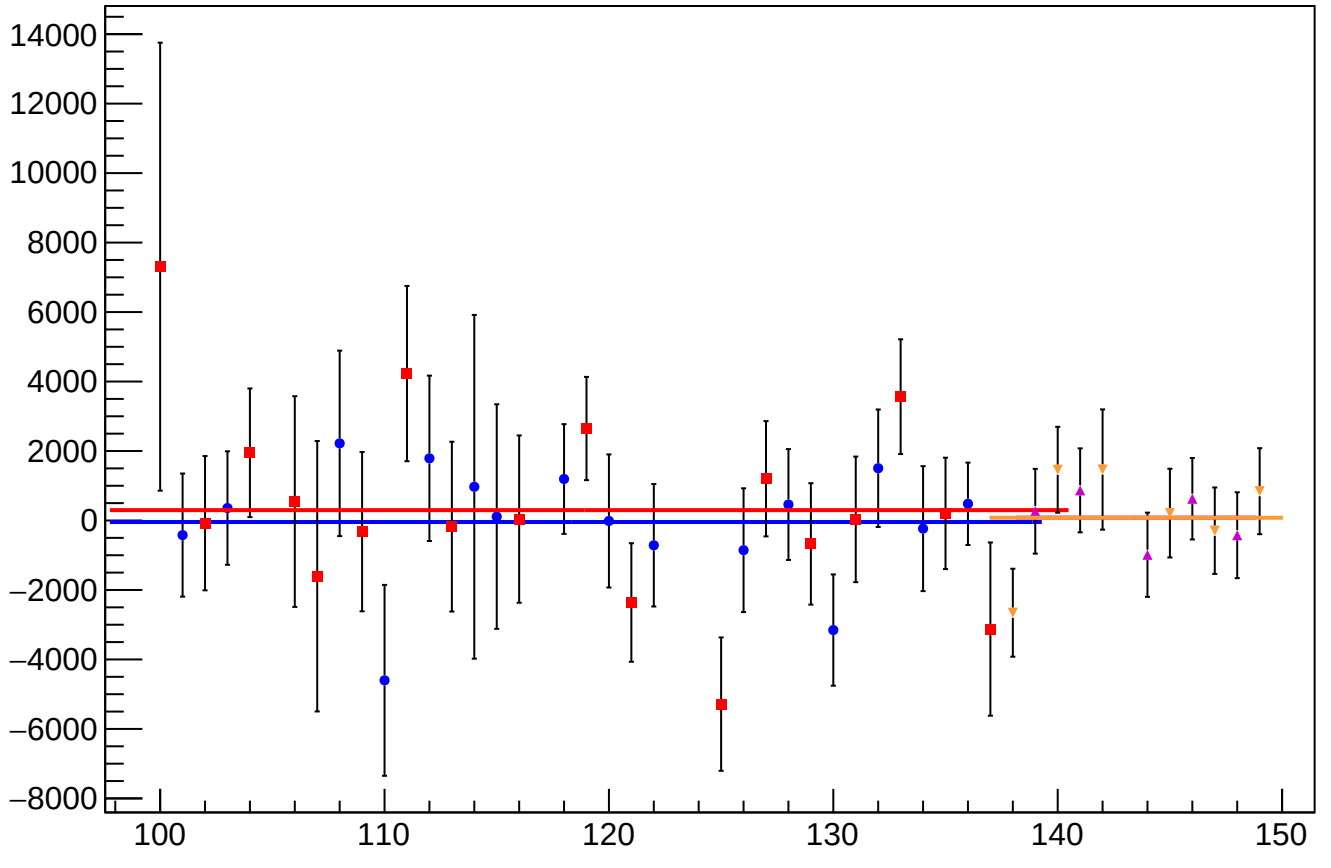
Left: 457.601+/-0.110 χ^2/NDF: 347915.8/10

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 514.368+/-0.112 χ^2/NDF:1697196.4/20

Out: 504.149+/-0.110 χ^2/NDF:1708366.0/23

All: 509.154+/-0.078 χ^2/NDF: 3409820.2/44



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 79.580+/-532.636 χ^2/NDF:7.0/5

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: 80.801+/-379.505 χ^2/NDF: 8.6/10

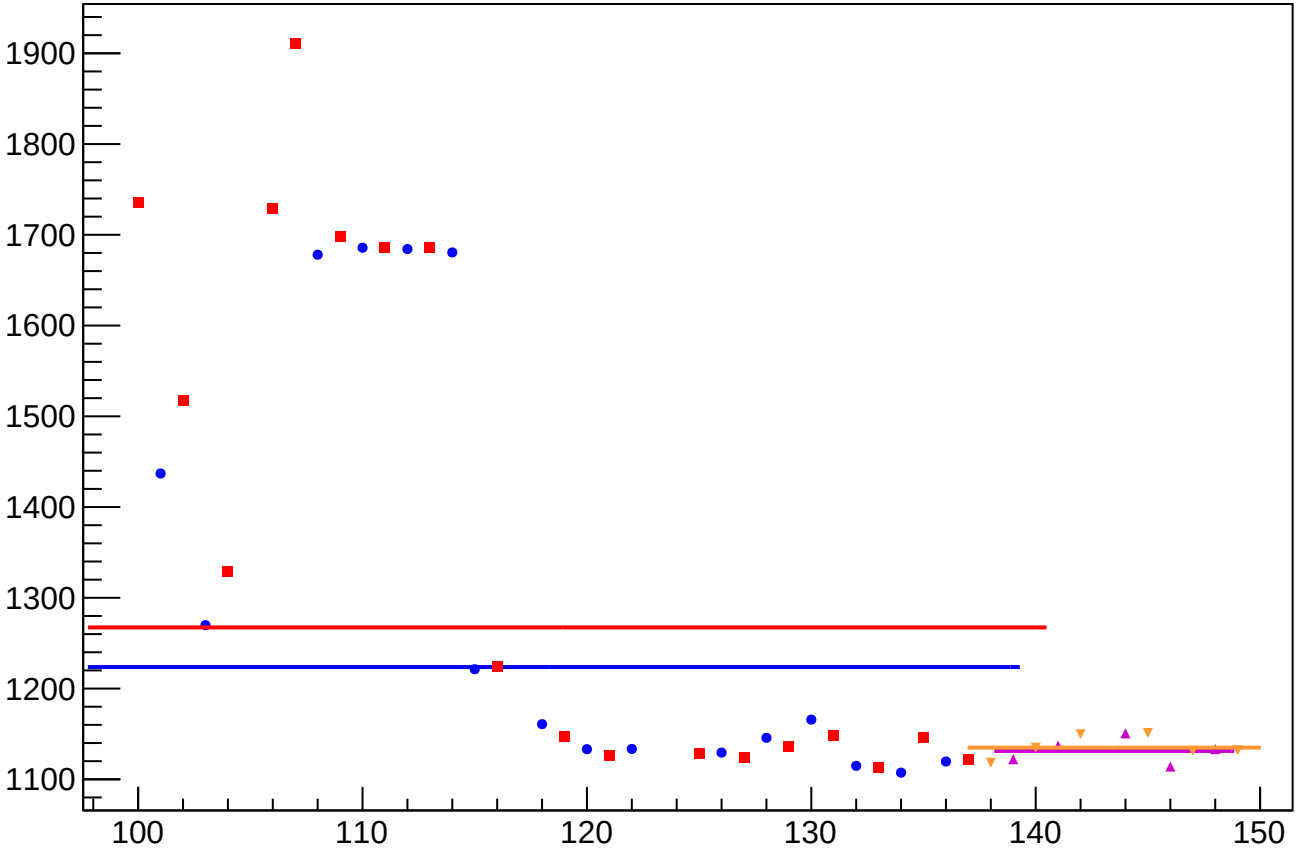
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 8.853+/-350.062 χ^2/NDF:11.7/20

Out: 201.287+/-354.639 χ^2/NDF:31.8/23

All: 103.820+/-249.134 χ^2/NDF: 43.6/44

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.935+/-0.377 χ^2/NDF:837.1/5

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.256+/-0.382 χ^2/NDF:1105.0/4

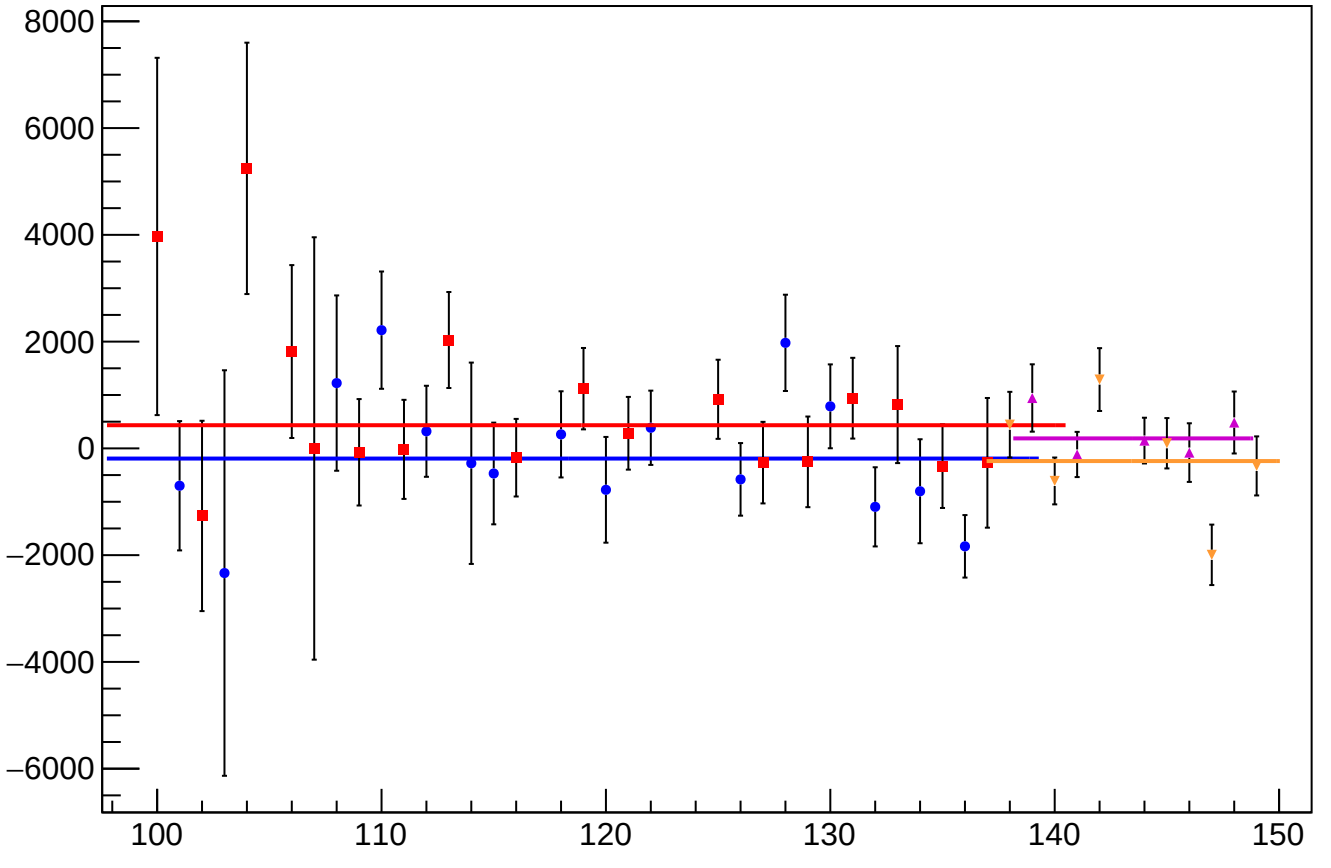
Left: 1133.124+/-0.268 χ^2/NDF: 1989.0/10

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1184.978+/-0.248 χ^2/NDF:330026.3/20

Out: 1208.656+/-0.251 χ^2/NDF:509643.2/23

All: 1196.663+/-0.176 χ^2/NDF: 844185.4/44



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -237.568+/-215.120 χ^2/NDF:18.8/5

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 186.986+/-224.596 χ^2/NDF:2.5/4

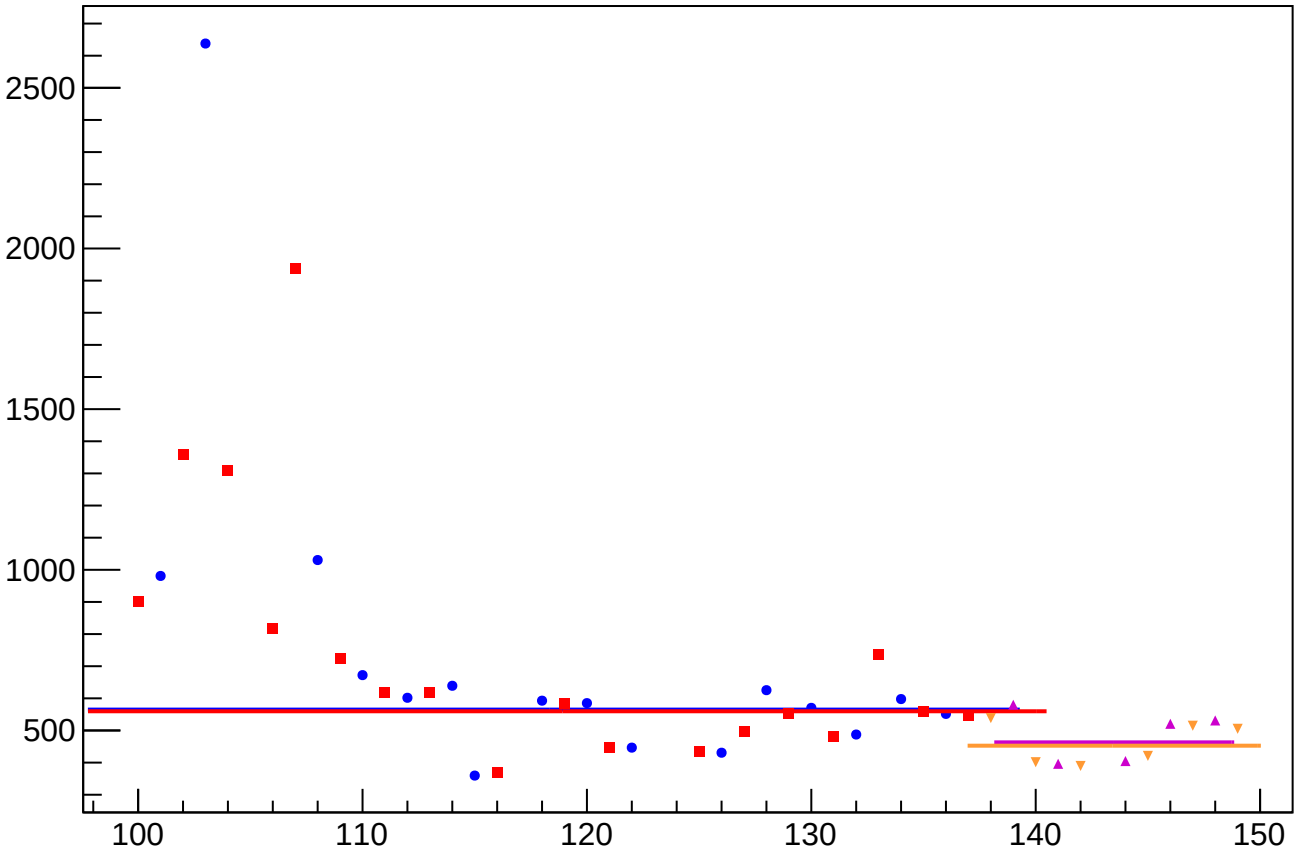
Left: -34.436+/-155.355 χ^2/NDF: 23.1/10

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -3.288+/-158.199 χ^2/NDF:29.1/20

Out: 85.260+/-155.006 χ^2/NDF:39.5/23

All: 41.888+/-110.717 χ^2/NDF: 68.7/44



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 452.654+/-0.152 χ^2/NDF:140646.0/5

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: 457.601+/-0.110 χ^2/NDF: 347915.8/10

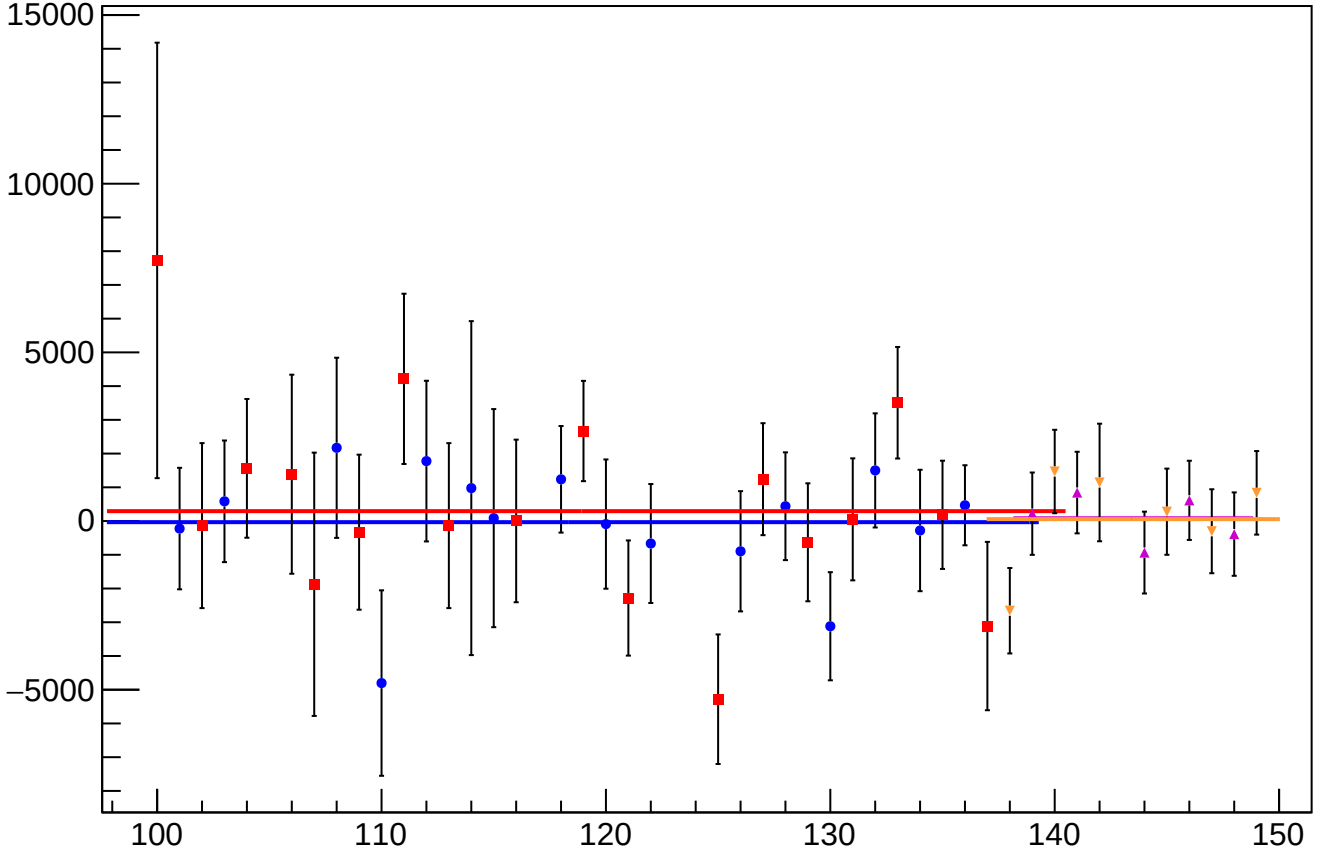
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 514.368+/-0.112 χ^2/NDF:1697196.4/20

Out: 504.149+/-0.110 χ^2/NDF:1708366.0/23

All: 509.154+/-0.078 χ^2/NDF: 3409820.2/44

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 56.624+/-533.192 χ^2/NDF:6.8/5

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 82.607+/-541.081 χ^2/NDF:1.5/4

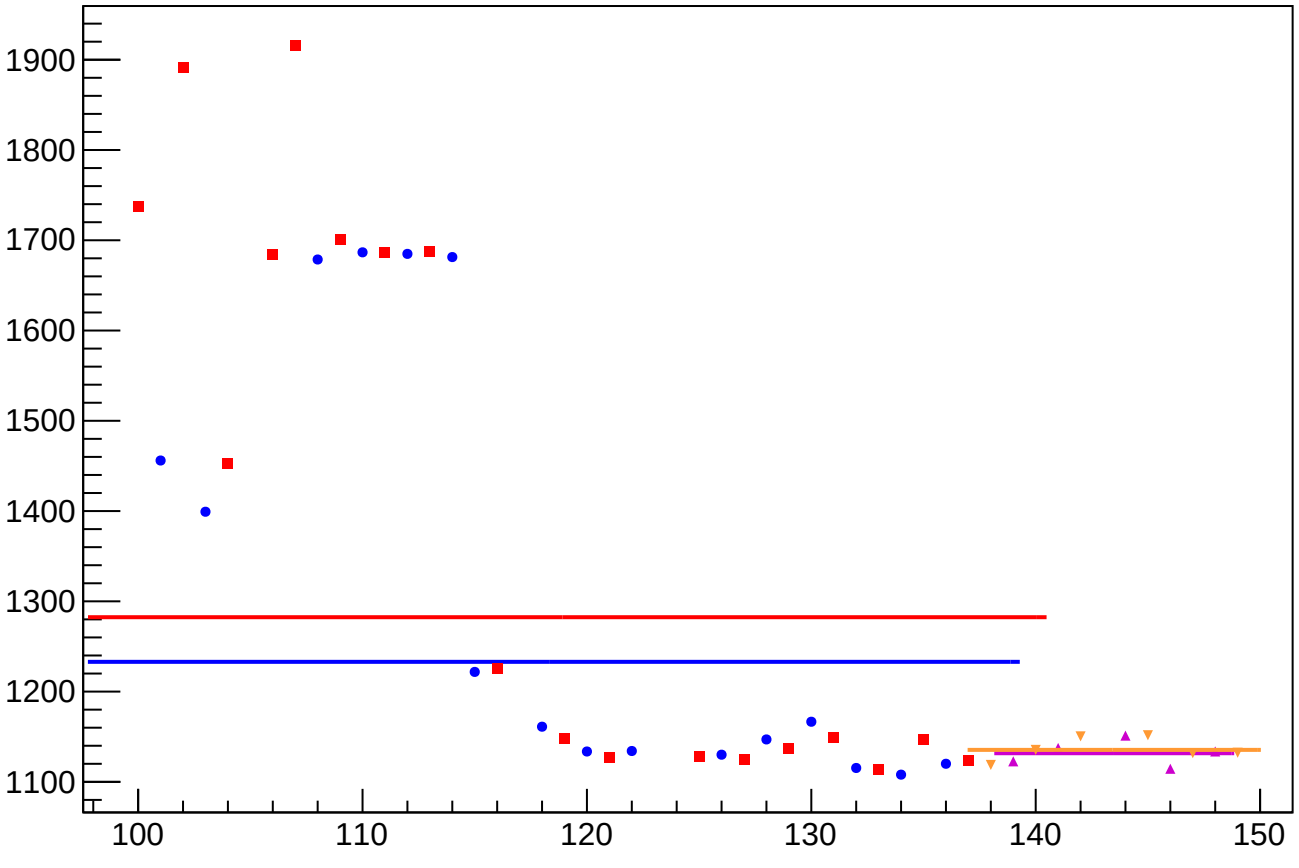
Left: 69.425+/-379.782 χ^2/NDF: 8.3/10

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 15.858+/-351.882 χ^2/NDF:11.8/20

Out: 186.467+/-358.306 χ^2/NDF:31.1/23

All: 99.619+/-251.059 χ^2/NDF: 43.0/44



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1135.425+/-0.377 χ^2/NDF:846.4/5

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

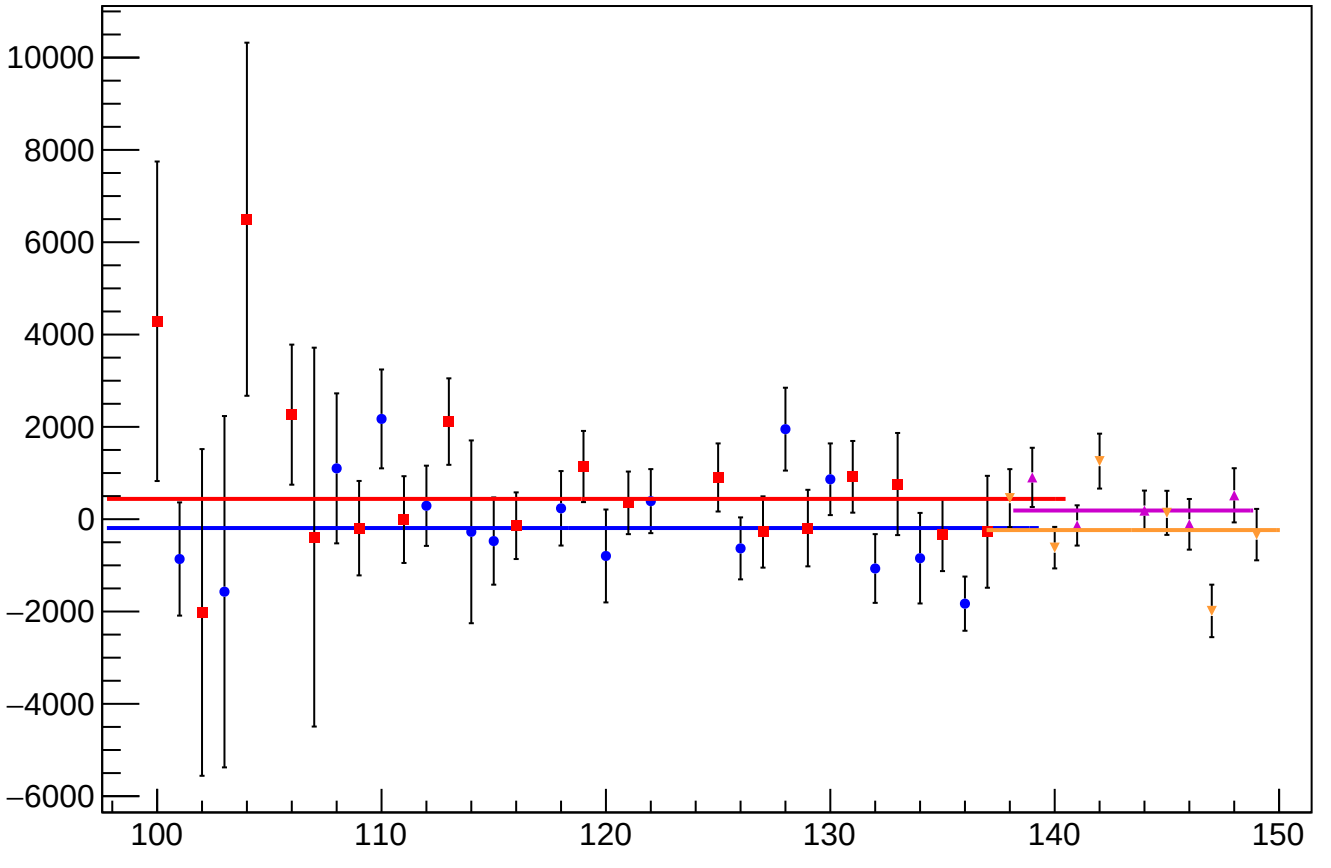
Left: 1133.598+/-0.269 χ^2/NDF: 2000.6/10

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1190.144+/-0.249 χ^2/NDF:356988.3/20

Out: 1216.032+/-0.253 χ^2/NDF:627599.1/23

All: 1202.854+/-0.178 χ^2/NDF: 989901.8/44



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -235.671+/-218.172 χ^2/NDF:18.4/5

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 188.138+/-228.076 χ^2/NDF:2.4/4

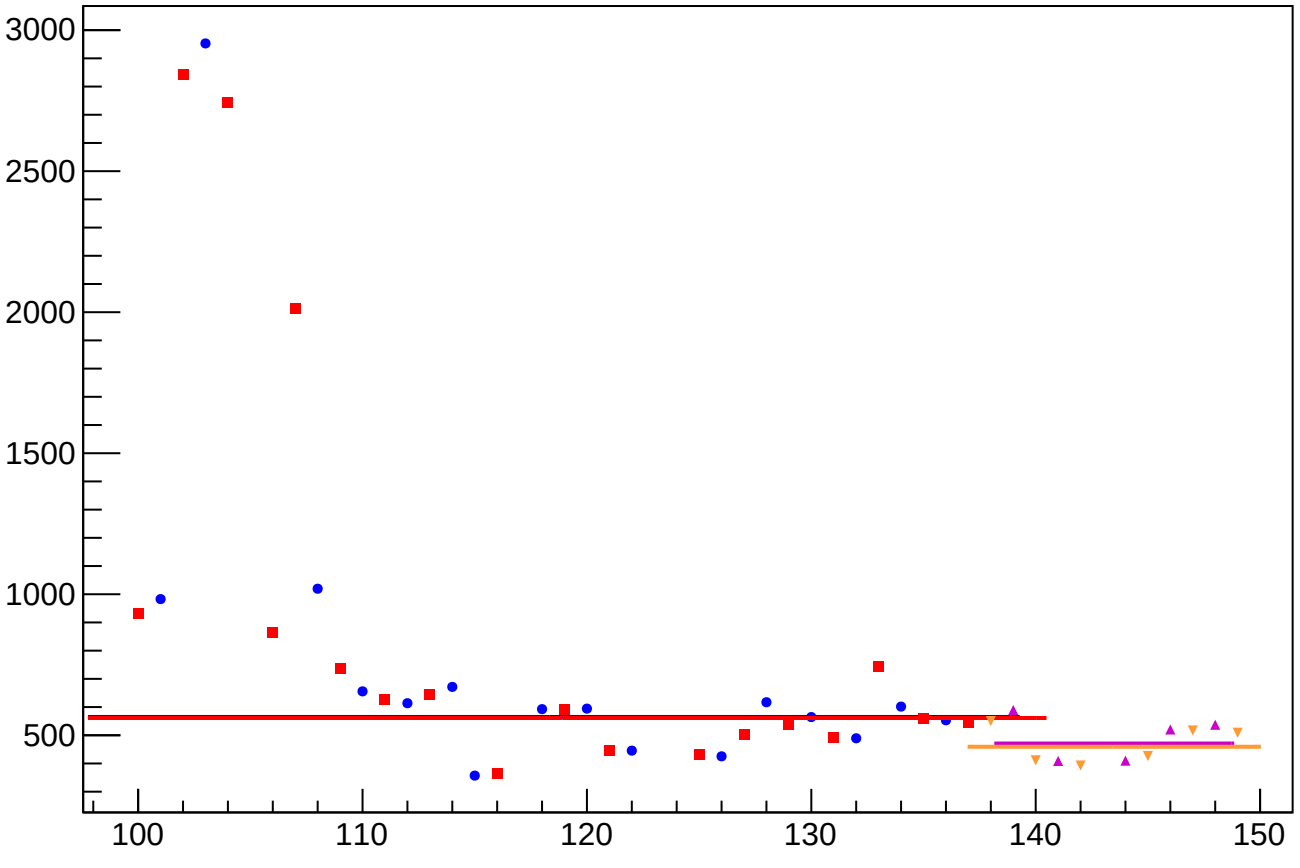
Left: -33.167+/-157.656 χ^2/NDF: 22.6/10

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -6.168+/-159.363 χ^2/NDF:29.1/20

Out: 89.178+/-157.166 χ^2/NDF:37.6/23

All: 42.167+/-111.902 χ^2/NDF: 66.9/44



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 459.307+/-0.154 χ^2/NDF:135983.9/5

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 470.781+/-0.161 χ^2/NDF:190405.1/4

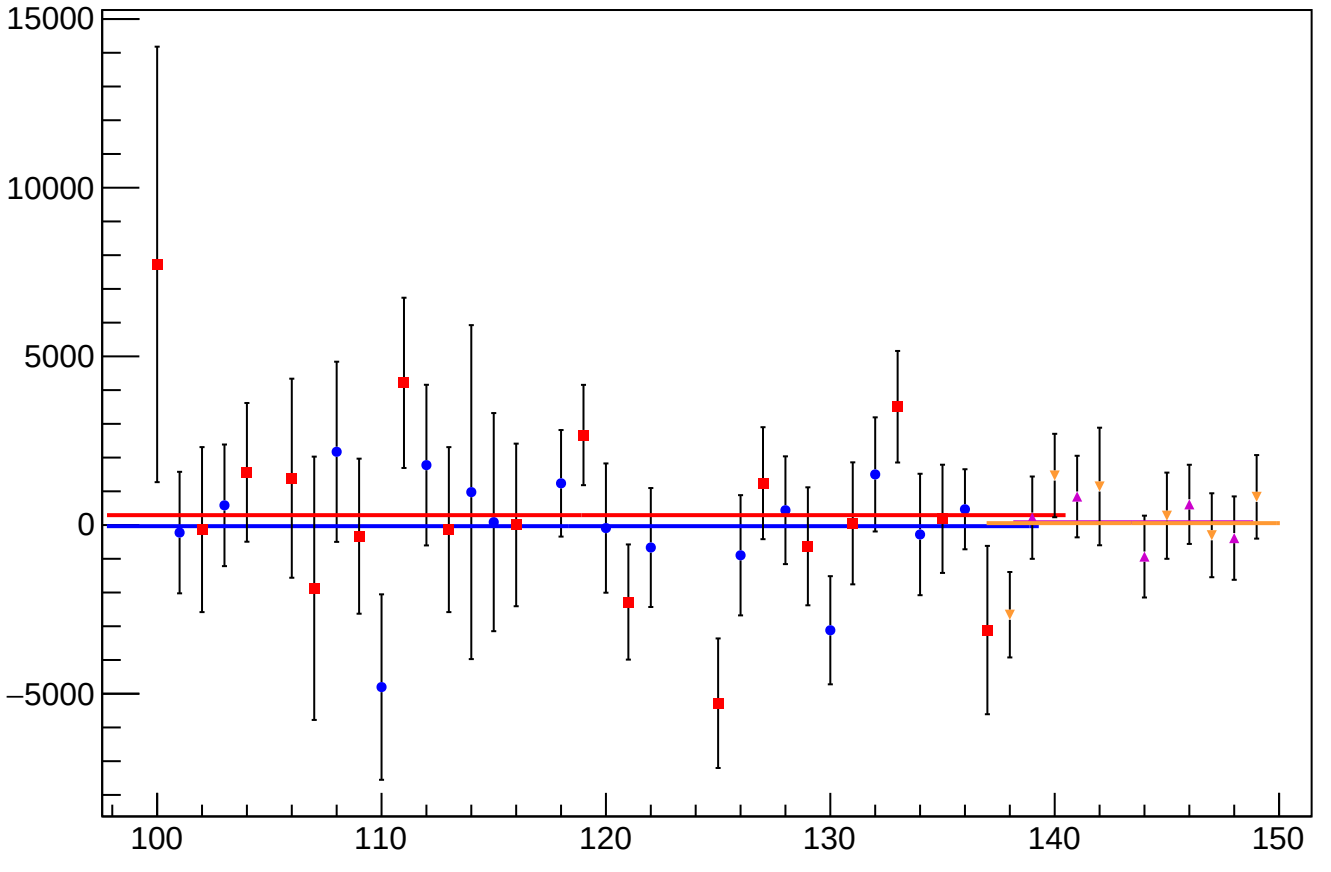
Left: 464.789+/-0.111 χ^2/NDF: 329032.3/10

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 518.934+/-0.113 χ^2/NDF:1844978.0/20

Out: 508.358+/-0.111 χ^2/NDF:2619511.9/23

All: 513.573+/-0.079 χ^2/NDF: 4468955.3/44



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 56.622+/-533.192 χ^2/NDF:6.8/5

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 82.608+/-541.081 χ^2/NDF:1.5/4

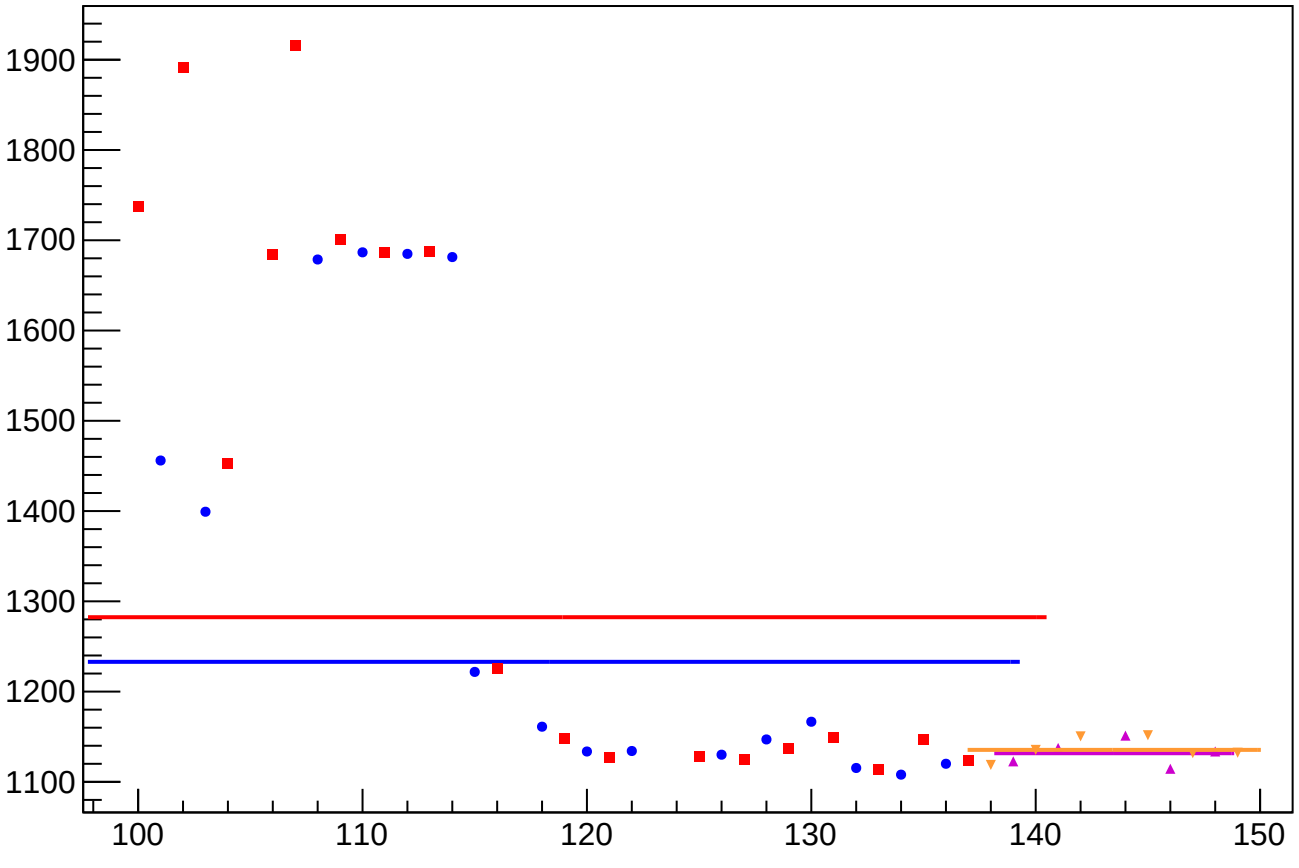
Left: 69.425+/-379.782 χ^2/NDF: 8.3/10

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 15.859+/-351.882 χ^2/NDF:11.8/20

Out: 186.466+/-358.306 χ^2/NDF:31.1/23

All: 99.619+/-251.059 χ^2/NDF: 43.0/44



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1135.425+/-0.377 χ^2/NDF:846.4/5

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.718+/-0.383 χ^2/NDF:1106.6/4

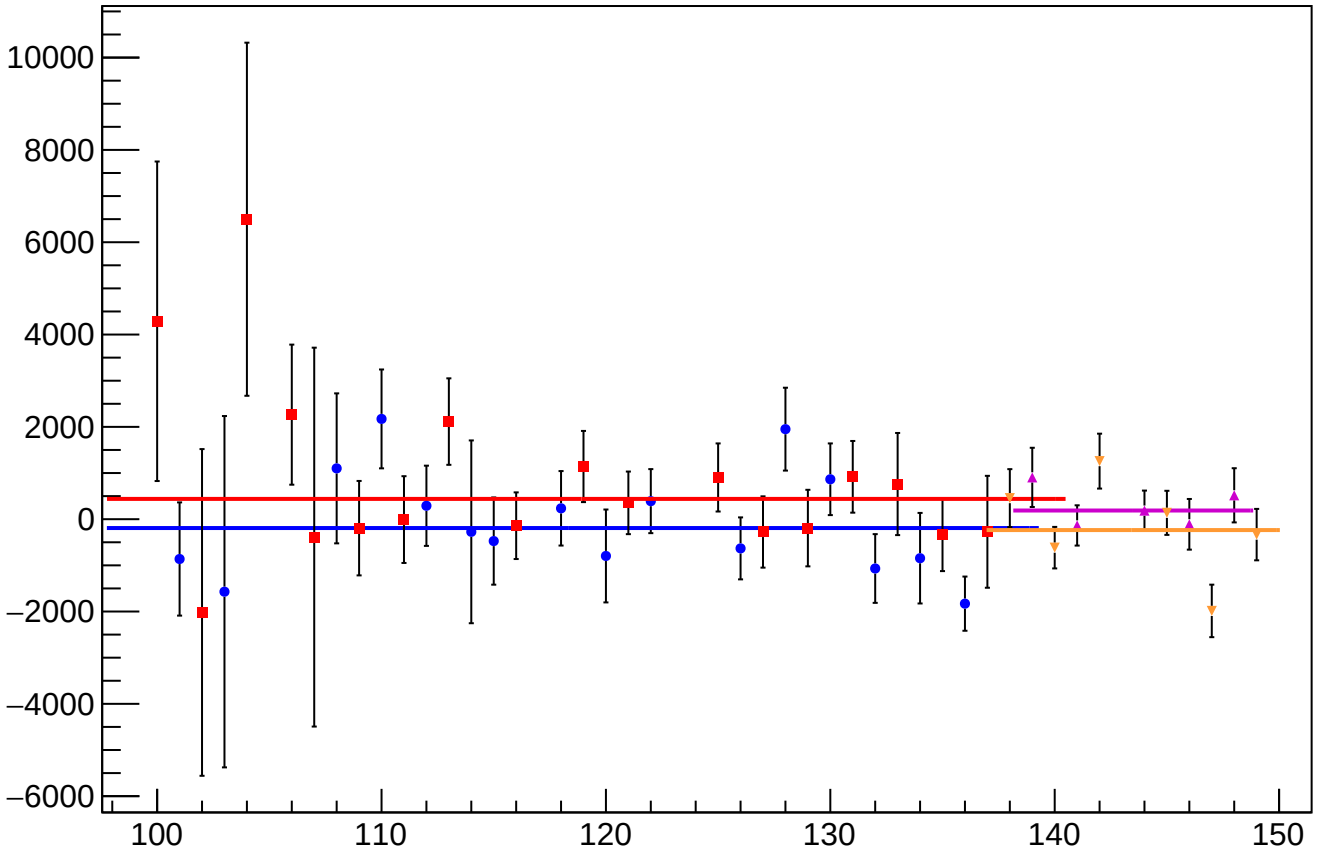
Left: 1133.598+/-0.269 χ^2/NDF: 2000.6/10

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1190.144+/-0.249 χ^2/NDF:356987.9/20

Out: 1216.032+/-0.253 χ^2/NDF:627598.4/23

All: 1202.854+/-0.178 χ^2/NDF: 989900.7/44



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -235.669+/-218.172 χ^2/NDF:18.4/5

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 188.138+/-228.075 χ^2/NDF:2.4/4

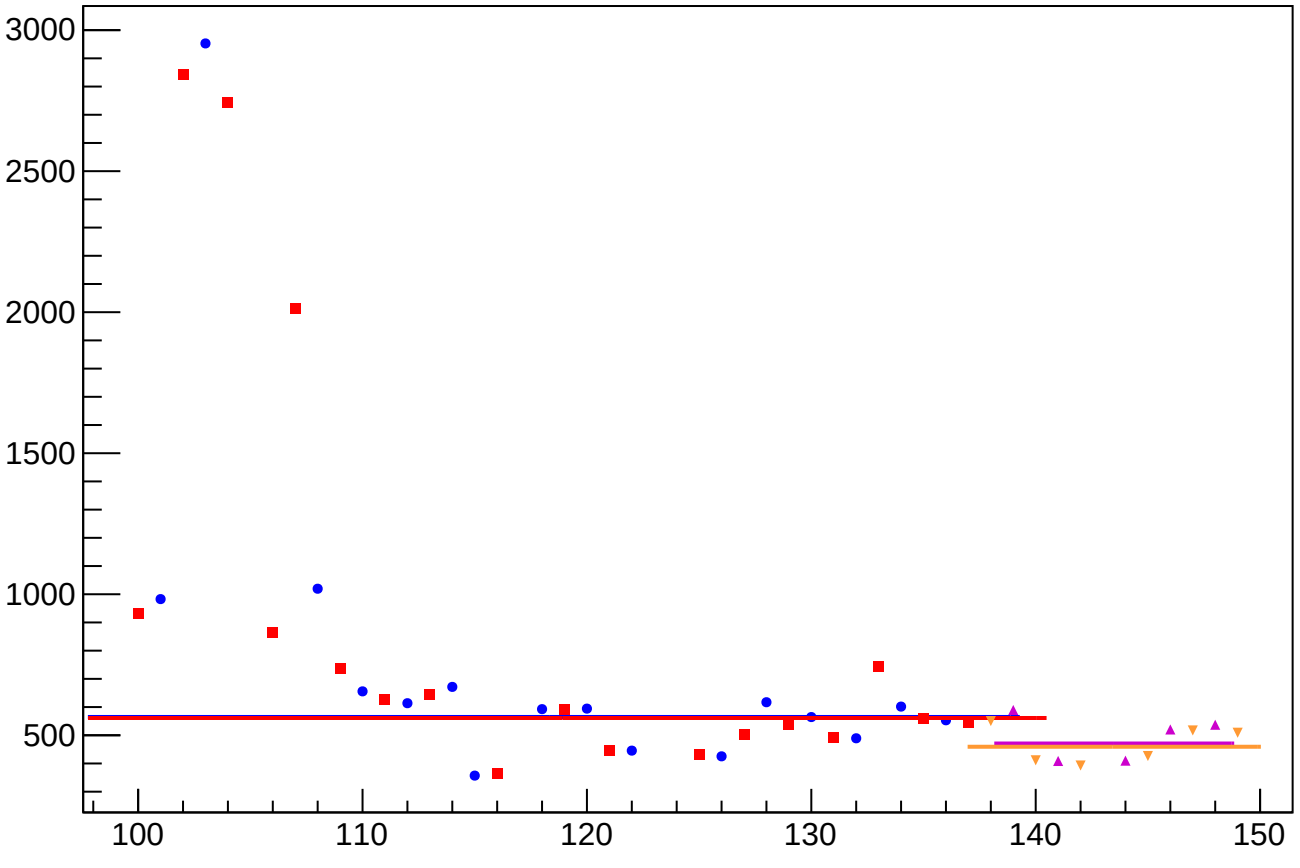
Left: -33.167+/-157.656 χ^2/NDF: 22.6/10

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -6.167+/-159.362 χ^2/NDF:29.1/20

Out: 89.178+/-157.166 χ^2/NDF:37.6/23

All: 42.167+/-111.902 χ^2/NDF: 66.9/44



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 459.306+/-0.154 χ^2/NDF:135992.5/5

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 470.780+/-0.161 χ^2/NDF:190412.0/4

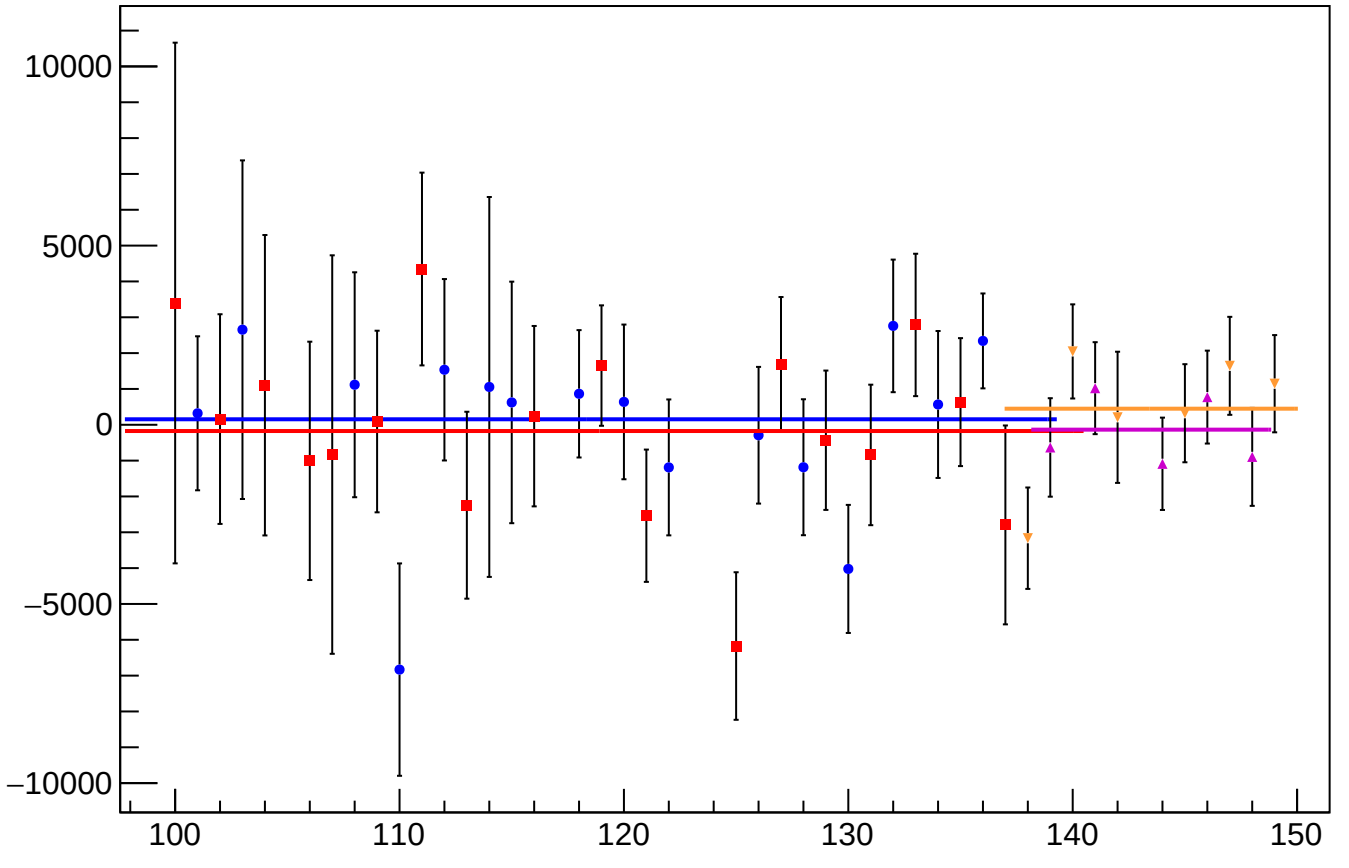
Left: 464.788+/-0.111 χ^2/NDF: 329047.8/10

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 518.934+/-0.113 χ^2/NDF:1844985.6/20

Out: 508.358+/-0.111 χ^2/NDF:2619525.6/23

All: 513.572+/-0.079 χ^2/NDF: 4468976.7/44



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 448.957+/-578.379 χ^2/NDF:9.1/5

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: 162.470+/-413.129 χ^2/NDF: 11.9/10

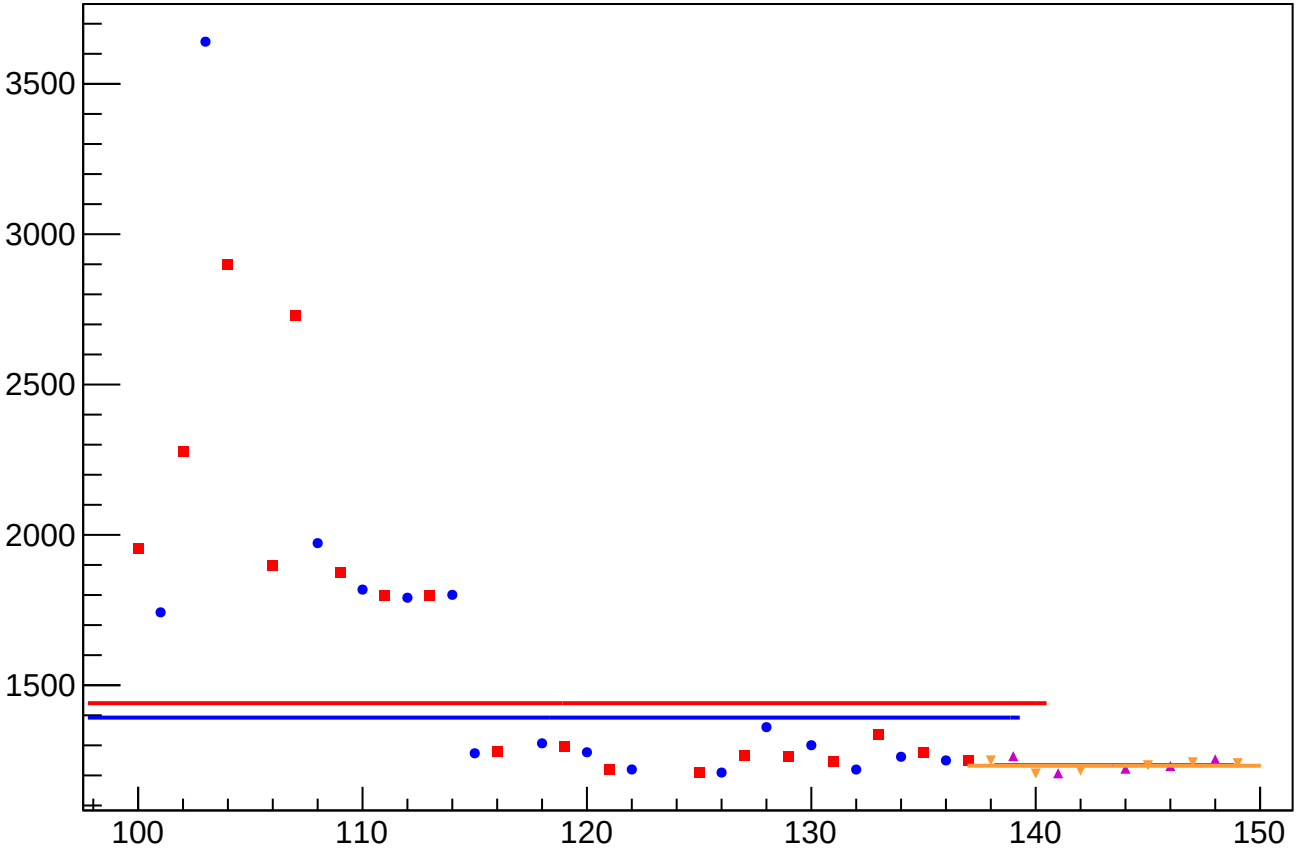
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 23.674+/-395.231 χ^2/NDF:20.2/20

Out: 121.740+/-398.622 χ^2/NDF:29.3/23

All: 72.288+/-280.662 χ^2/NDF: 49.6/44

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1232.290+/-0.409 χ^2/NDF:1459.7/5

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1234.542+/-0.417 χ^2/NDF:2418.1/4

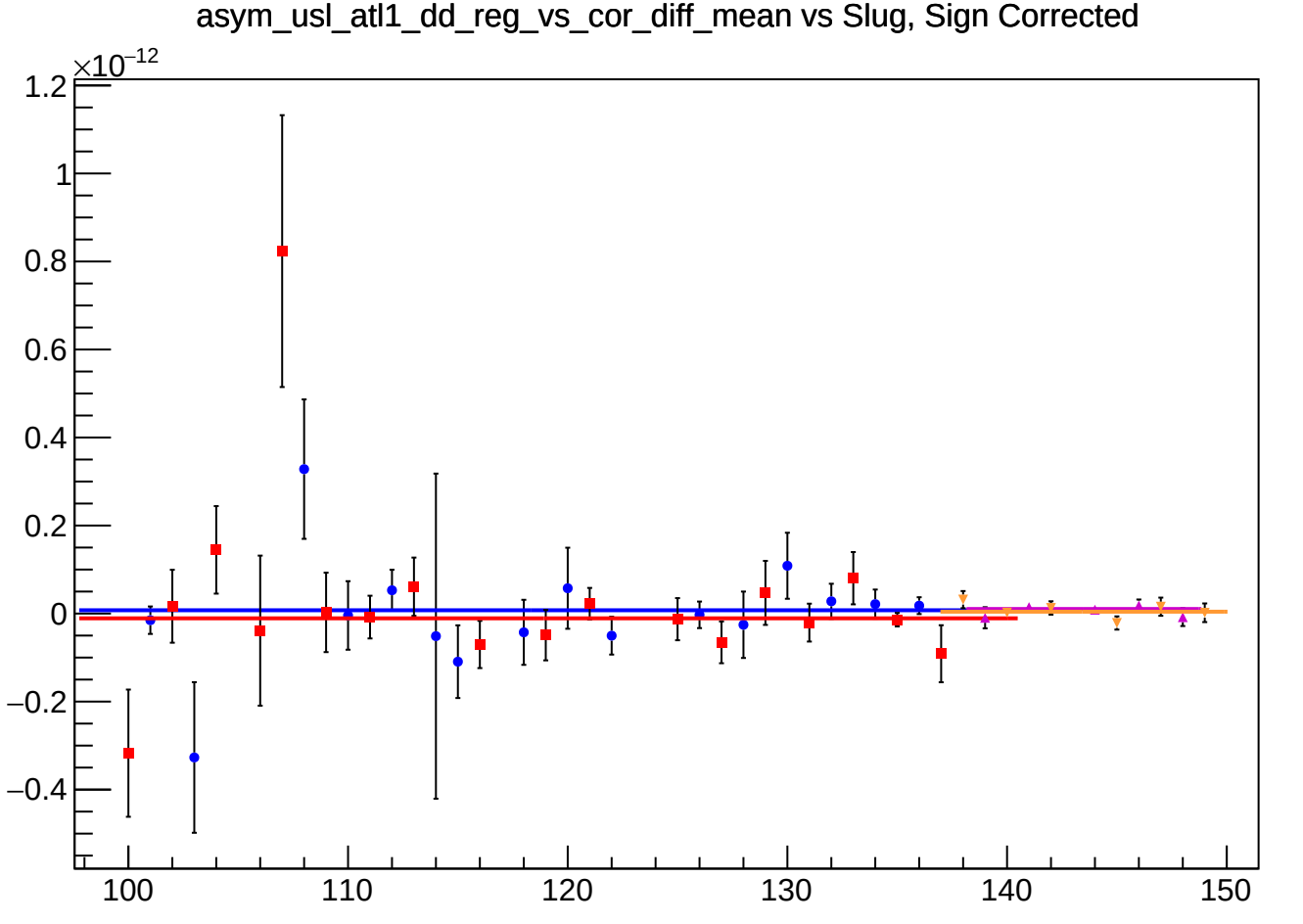
Left: 1233.393+/-0.292 χ^2/NDF: 3892.6/10

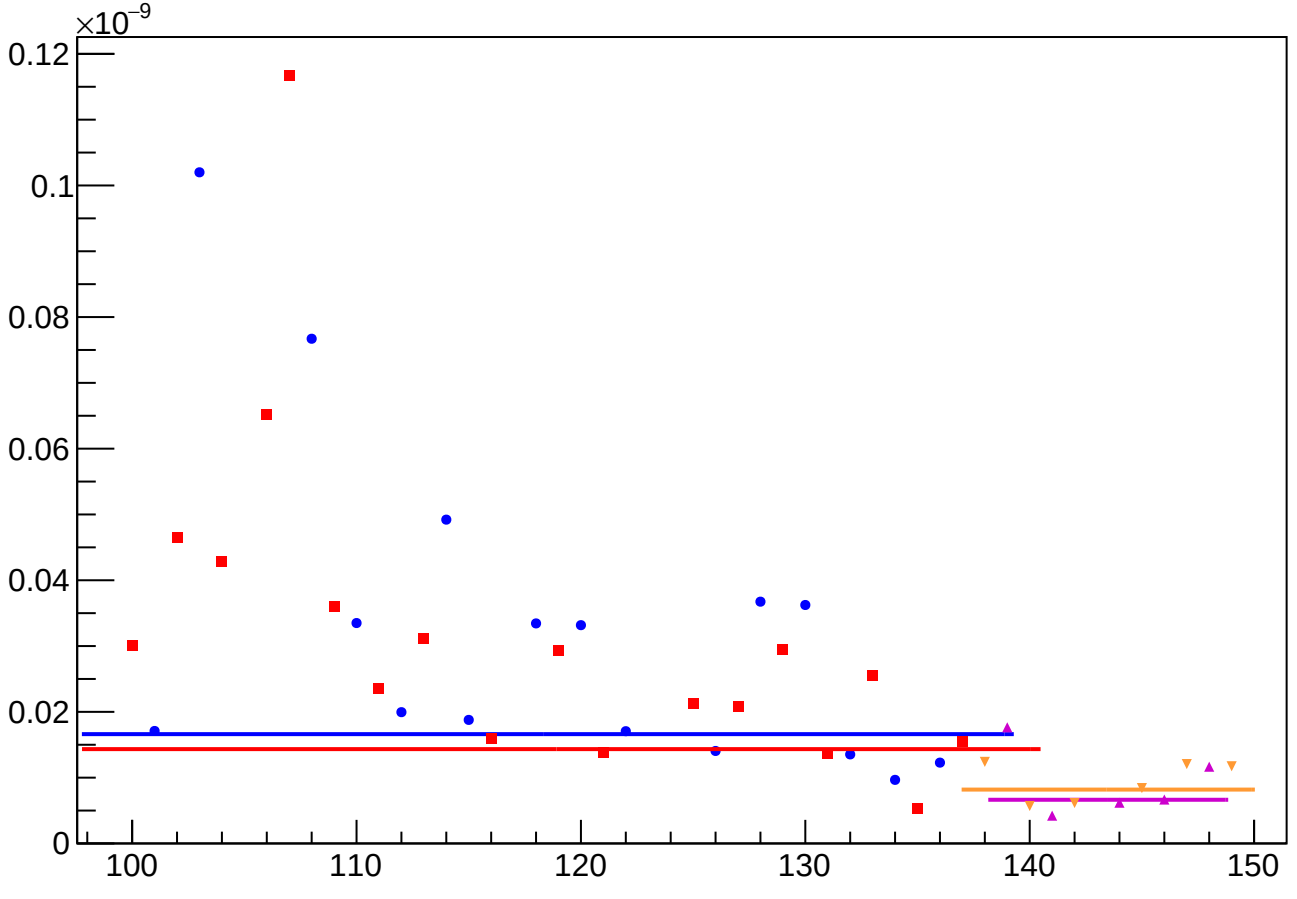
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1321.580+/-0.279 χ^2/NDF:860467.2/20

Out: 1341.454+/-0.282 χ^2/NDF:992052.6/23

All: 1331.432+/-0.198 χ^2/NDF: 1855026.7/44


asym_usl_atl1_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
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.6/5
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:2.1/4
Left: 0.000+/-0.000 χ²/NDF: 8.2/10
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:19.0/20
Out: 0.000+/-0.000 χ²/NDF:31.1/23
All: 0.000+/-0.000 χ²/NDF: 51.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:357777.5/5

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: 1102420.4/10

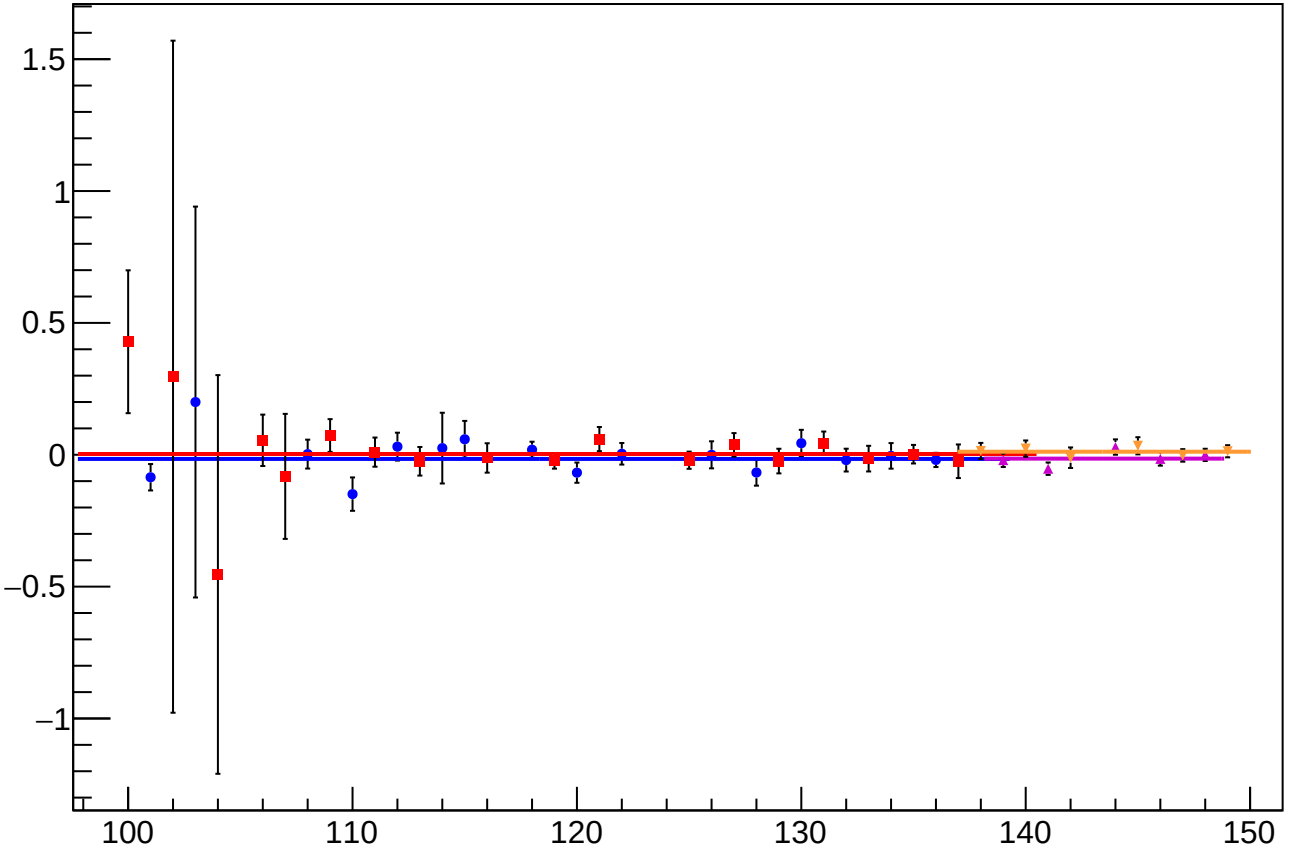
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3563678.8/20

Out: 0.000+/-0.000 χ^2/NDF:3107490.1/23

All: 0.000+/-0.000 χ^2/NDF: 6705530.0/44

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: 0.012+/-0.012 χ^2/NDF:1.3/5

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.015+/-0.011 χ^2/NDF:5.3/4

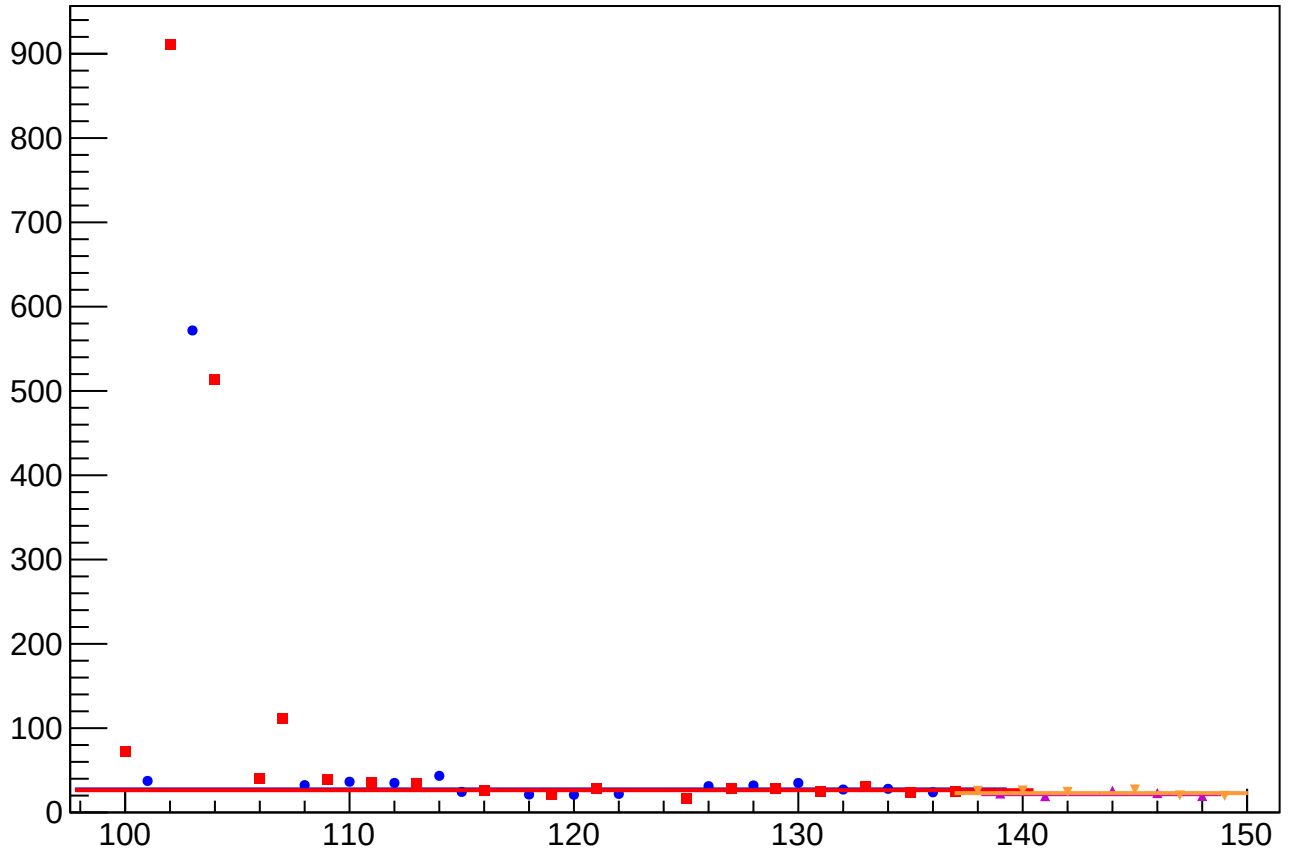
Left: -0.002+/-0.008 χ^2/NDF: 9.3/10

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.007+/-0.008 χ^2/NDF:11.5/23

All: -0.004+/-0.006 χ^2/NDF: 35.2/44



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.940+/-0.008 χ^2/NDF:137385.4/5

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: 22.293+/-0.006 χ^2/NDF: 233646.7/10

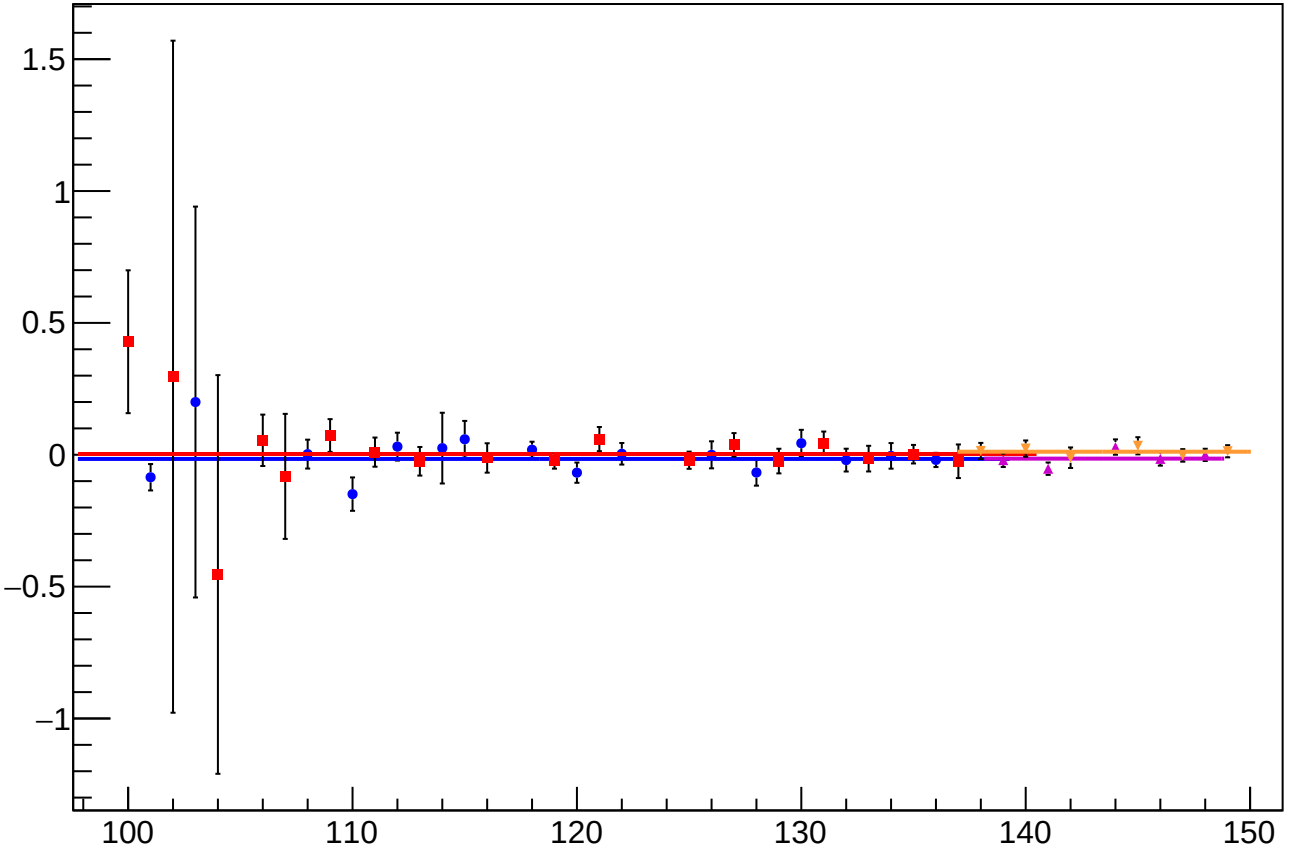
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 24.434+/-0.006 χ^2/NDF:1894187.6/20

Out: 24.616+/-0.006 χ^2/NDF:2837514.4/23

All: 24.522+/-0.004 χ^2/NDF: 4732190.5/44

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.012 χ^2/NDF:1.3/5

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: -0.002+/-0.008 χ^2/NDF: 9.3/10

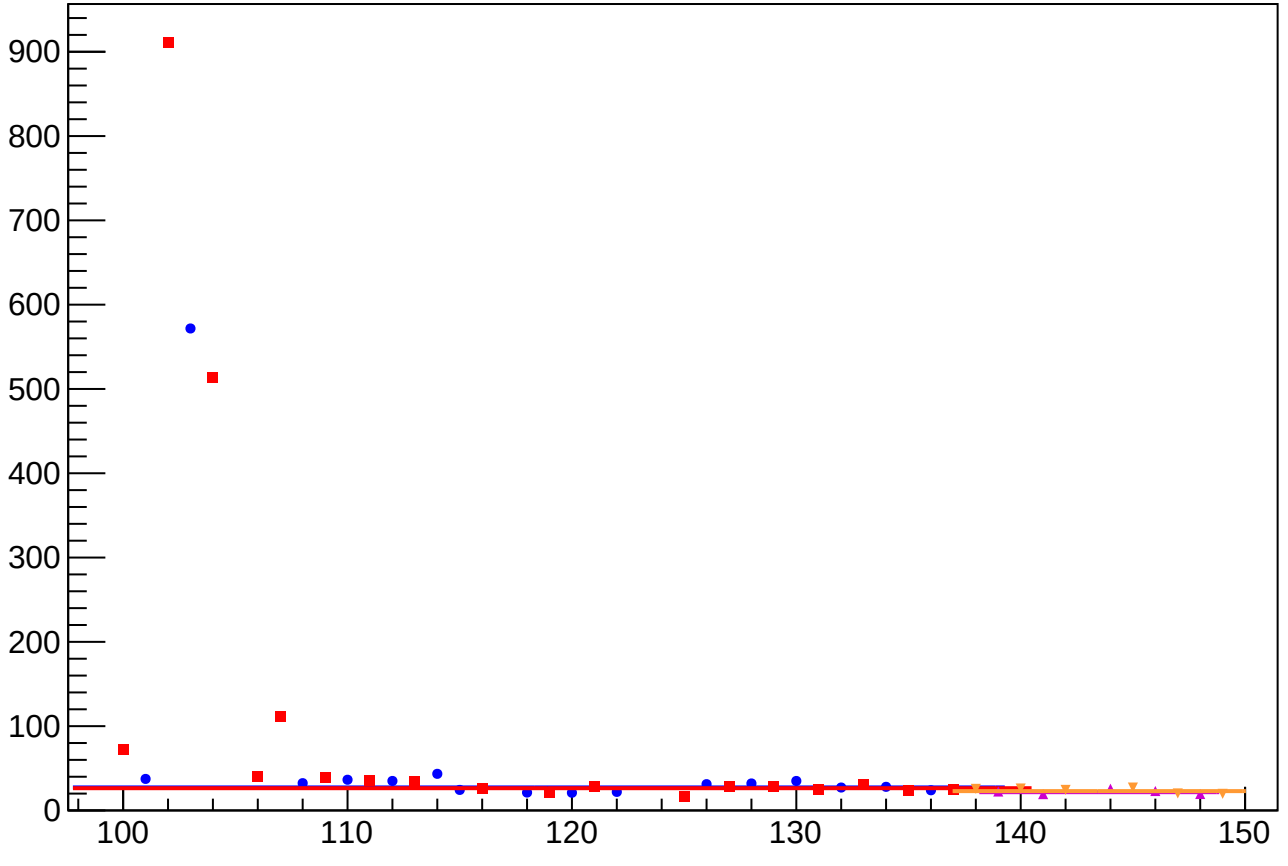
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.007+/-0.008 χ^2/NDF:11.5/23

All: -0.004+/-0.006 χ^2/NDF: 35.2/44

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: 22.940+/-0.008 χ^2/NDF:137385.4/5

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84310.0/4

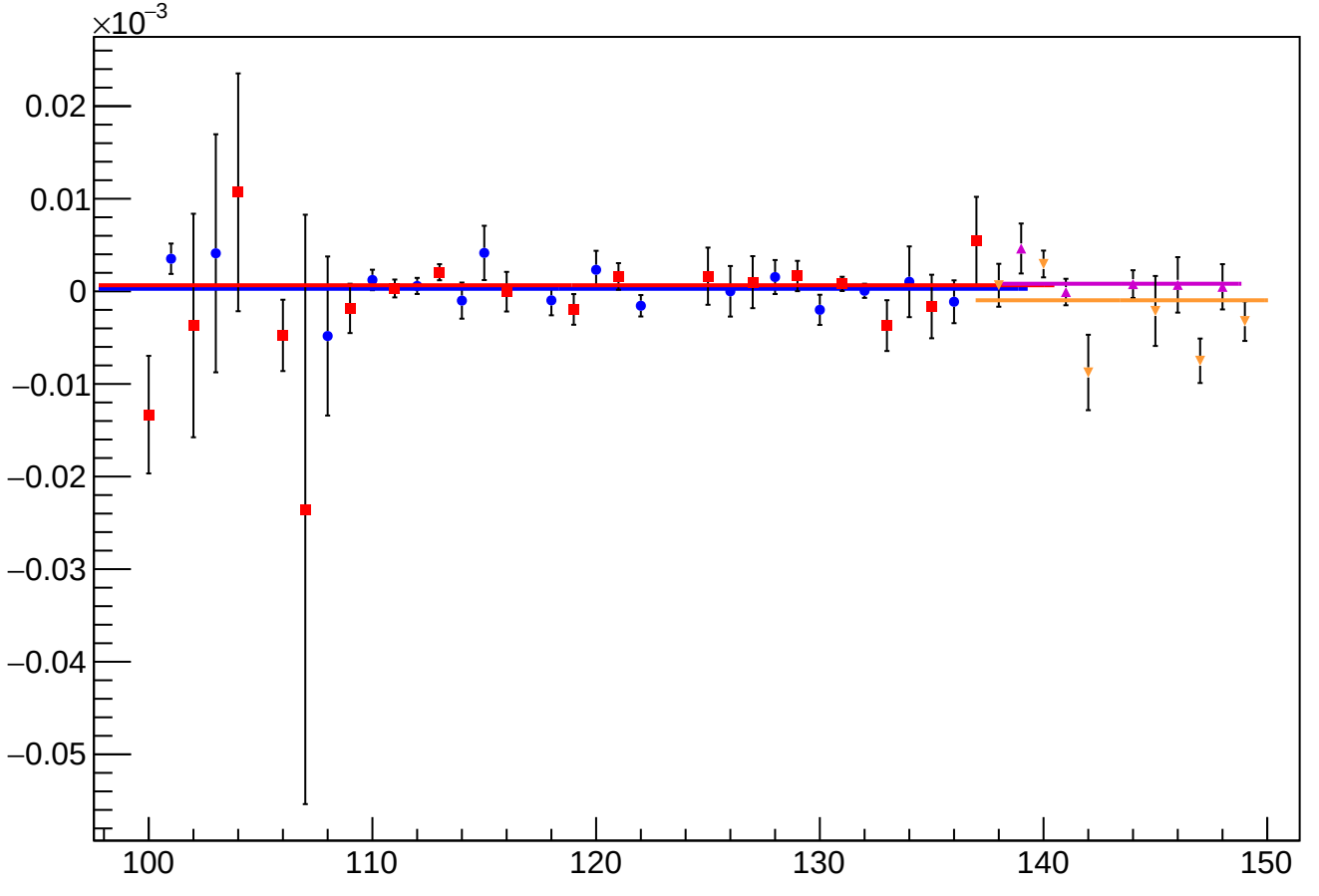
Left: 22.293+/-0.006 χ^2/NDF: 233646.7/10

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 24.434+/-0.006 χ^2/NDF:1894187.6/20

Out: 24.616+/-0.006 χ^2/NDF:2837514.4/23

All: 24.522+/-0.004 χ^2/NDF: 4732190.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/5

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: 24.5/10

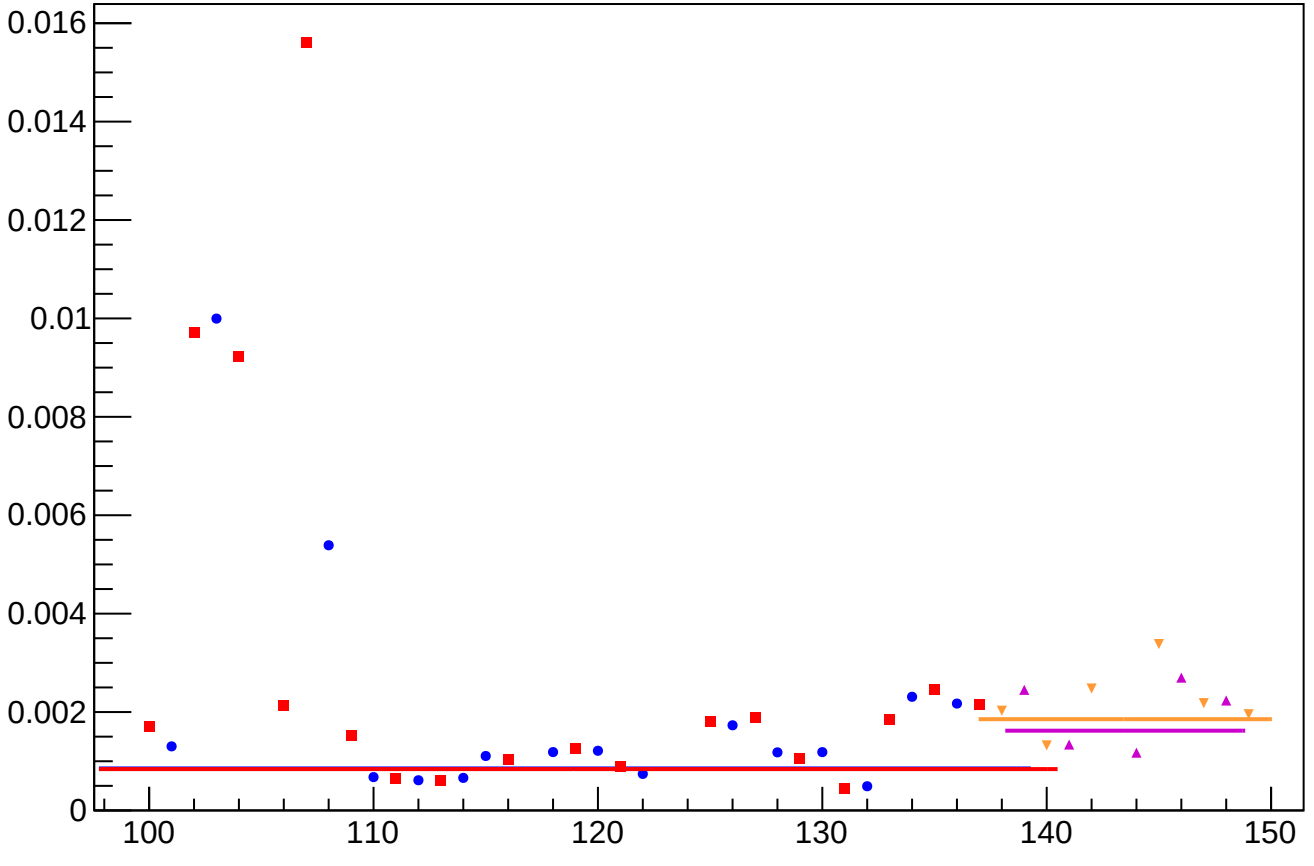
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/20

Out: 0.000+/-0.000 χ^2/NDF:42.0/23

All: 0.000+/-0.000 χ^2/NDF: 59.2/44

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:697154.6/5

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: 1596344.7/10

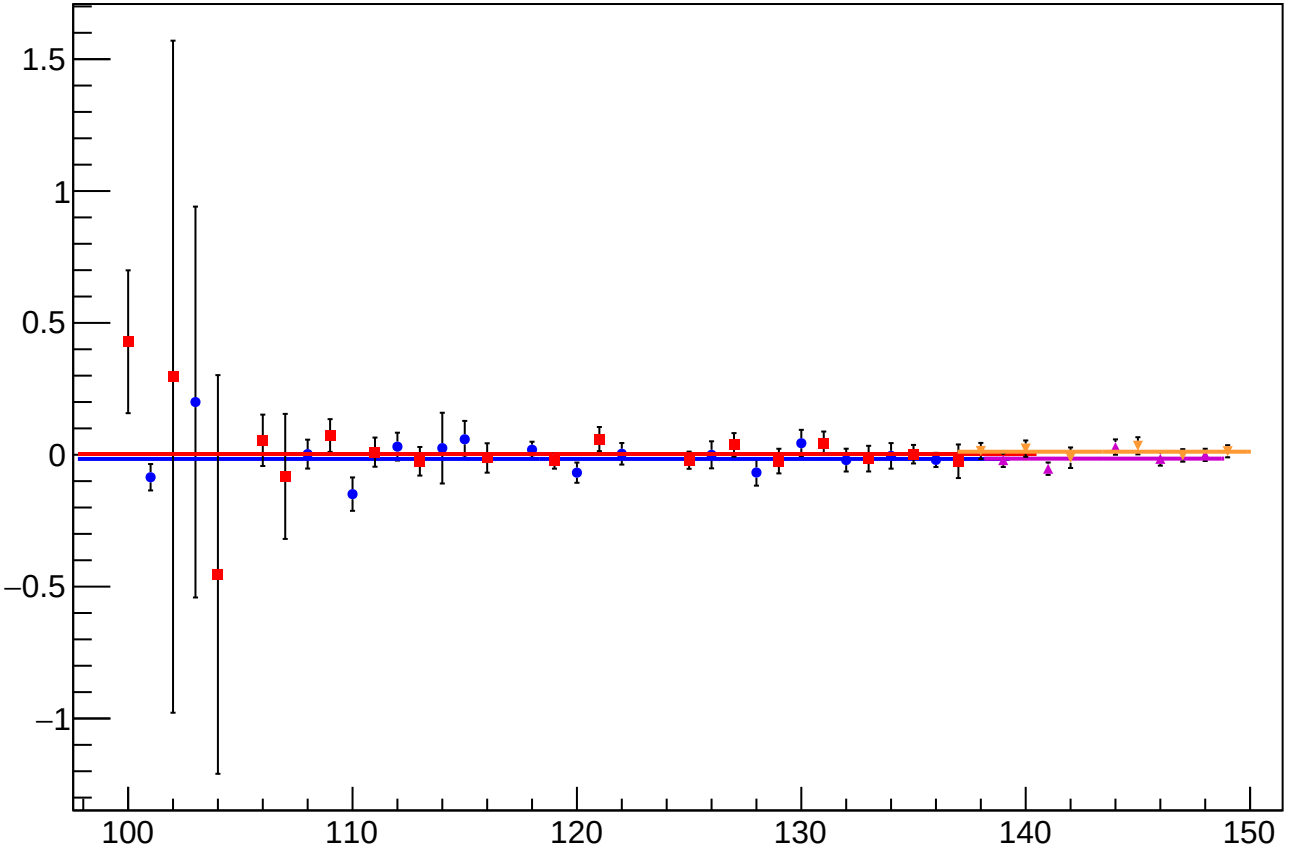
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:6032356.1/20

Out: 0.001+/-0.000 χ^2/NDF:7791974.4/23

All: 0.001+/-0.000 χ^2/NDF: 13829344.0/44

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.012 χ^2/NDF:1.3/5

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: -0.002+/-0.008 χ^2/NDF: 9.3/10

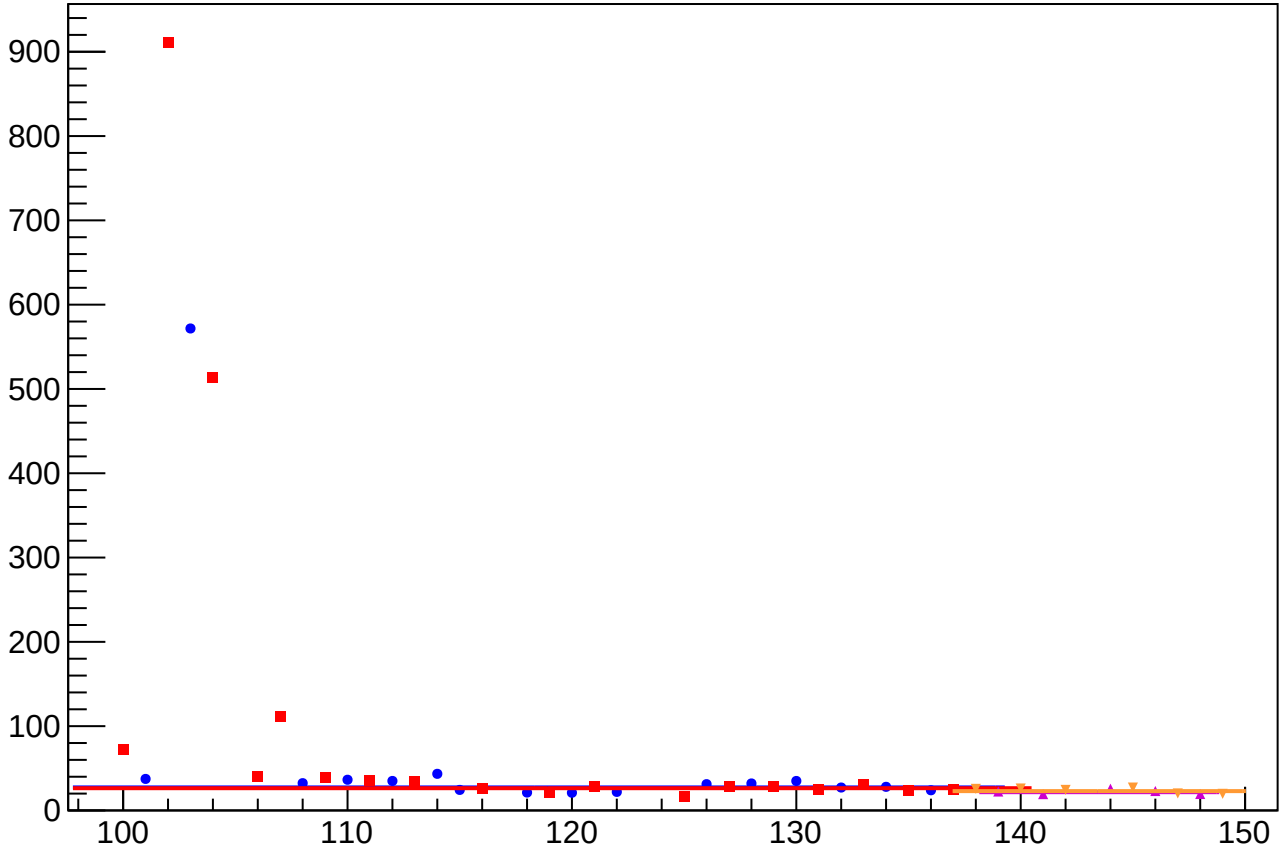
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.007+/-0.008 χ^2/NDF:11.5/23

All: -0.004+/-0.006 χ^2/NDF: 35.2/44

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: 22.940+/-0.008 χ^2/NDF:137358.9/5

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: 22.293+/-0.006 χ^2/NDF: 233627.3/10

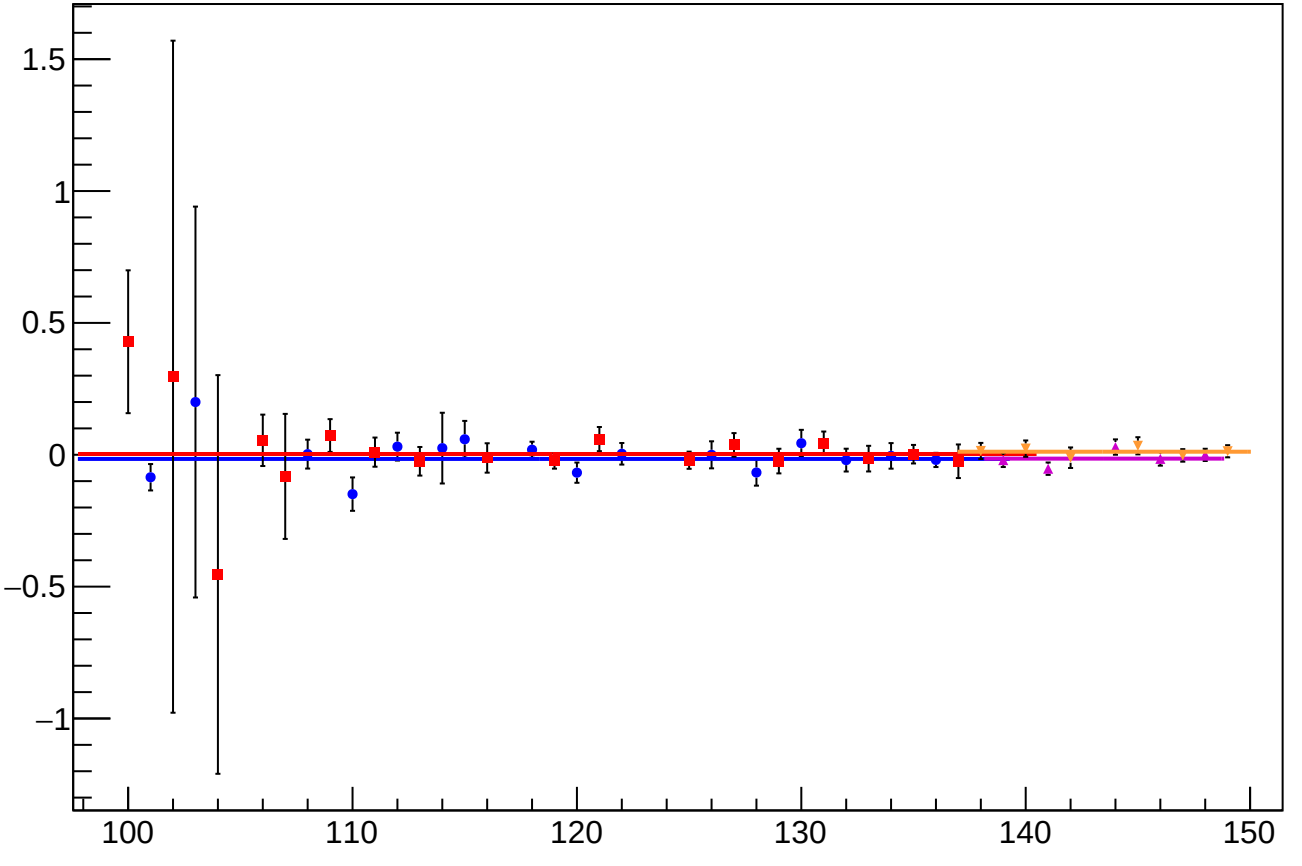
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 24.434+/-0.006 χ^2/NDF:1894201.7/20

Out: 24.616+/-0.006 χ^2/NDF:2837504.7/23

All: 24.522+/-0.004 χ^2/NDF: 4732195.5/44

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.012 χ^2/NDF:1.3/5

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: -0.002+/-0.008 χ^2/NDF: 9.3/10

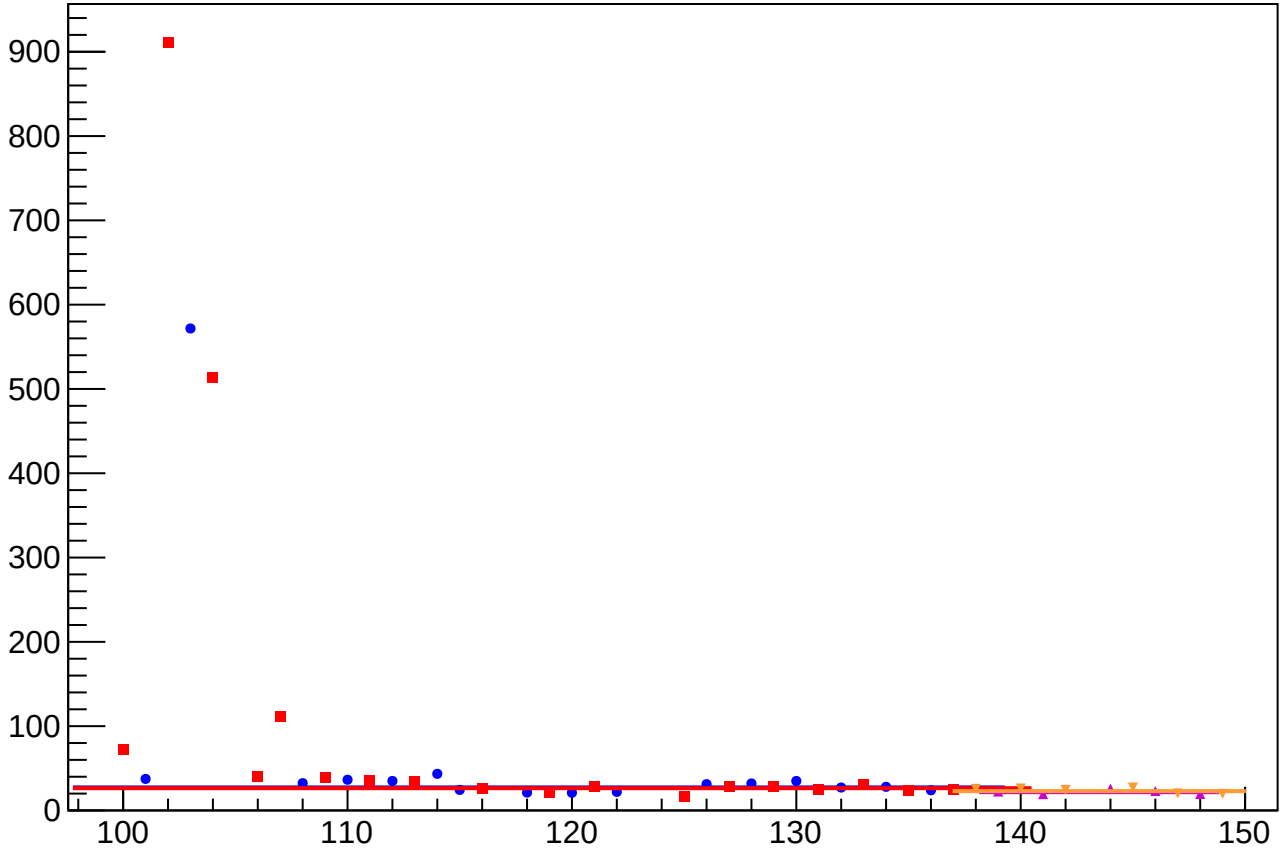
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.015+/-0.008 χ^2/NDF:20.0/20

Out: 0.007+/-0.008 χ^2/NDF:11.5/23

All: -0.004+/-0.006 χ^2/NDF: 35.2/44

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: 22.940+/-0.008 χ^2/NDF:137358.9/5

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.684+/-0.008 χ^2/NDF:84313.5/4

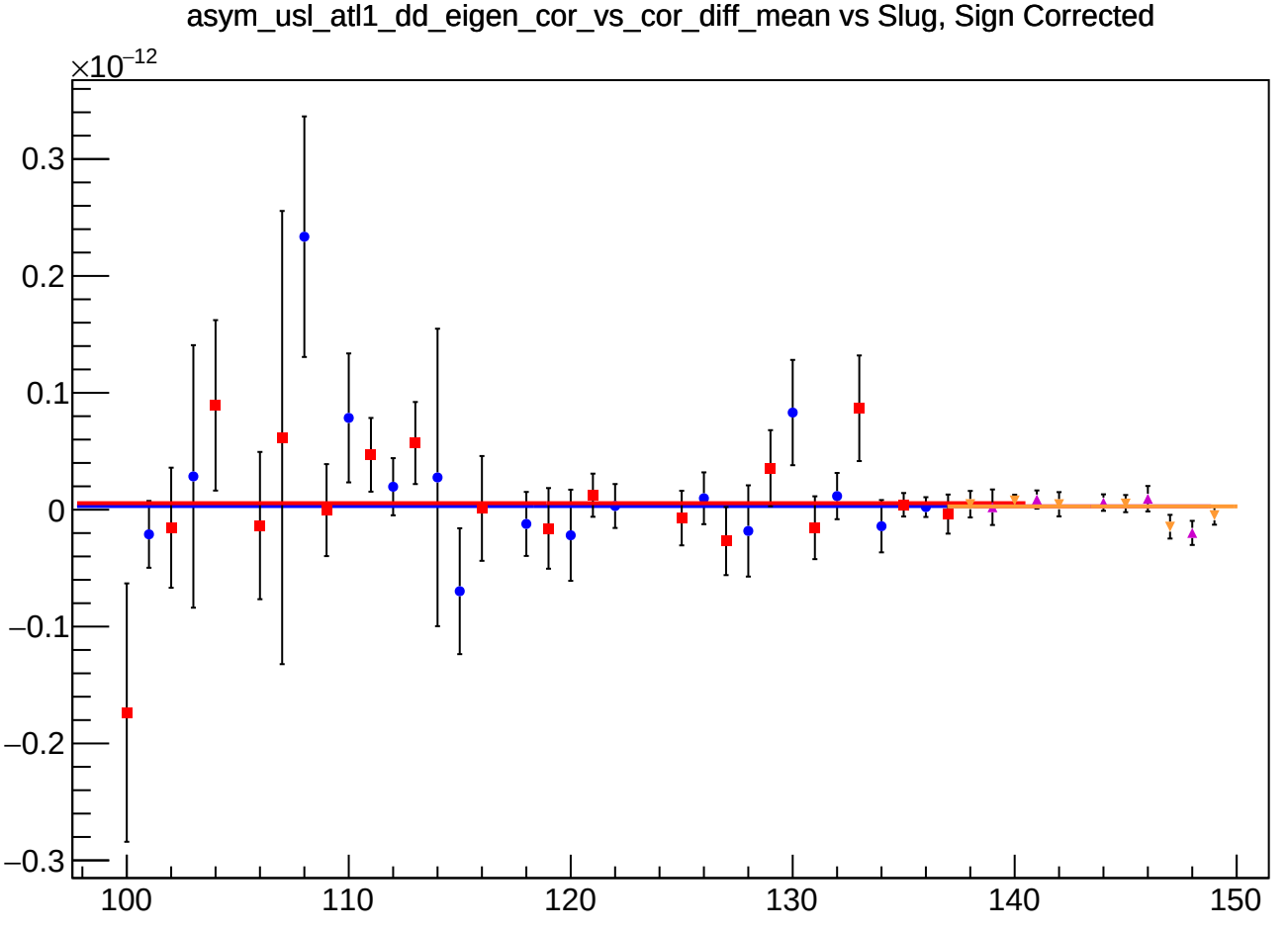
Left: 22.293+/-0.006 χ^2/NDF: 233627.3/10

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 24.434+/-0.006 χ^2/NDF:1894201.7/20

Out: 24.616+/-0.006 χ^2/NDF:2837504.7/23

All: 24.522+/-0.004 χ^2/NDF: 4732195.5/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/5

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: 11.0/10

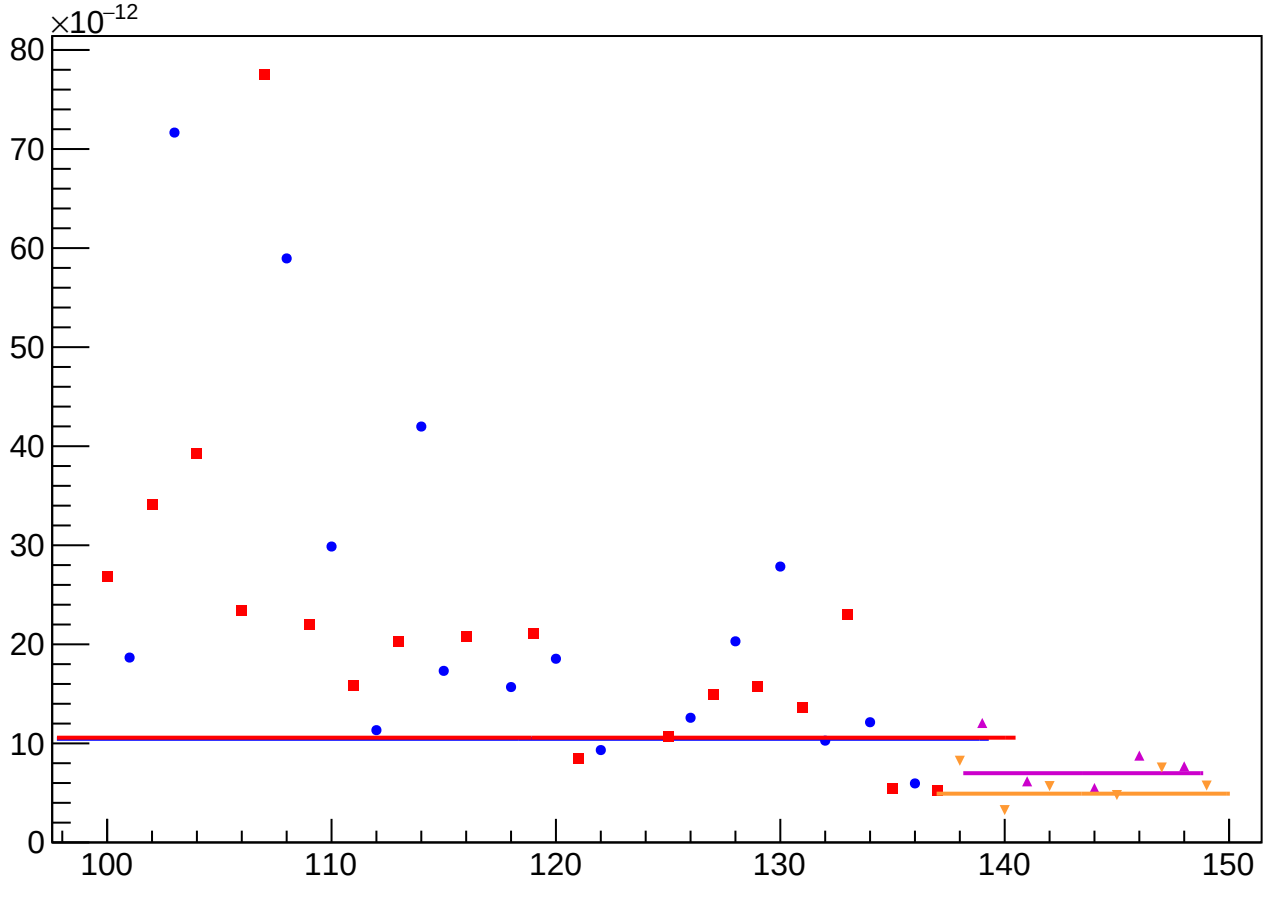
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:21.0/20

Out: 0.000+/-0.000 χ^2/NDF:20.5/23

All: 0.000+/-0.000 χ^2/NDF: 41.5/44

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:567360.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:396564.6/4

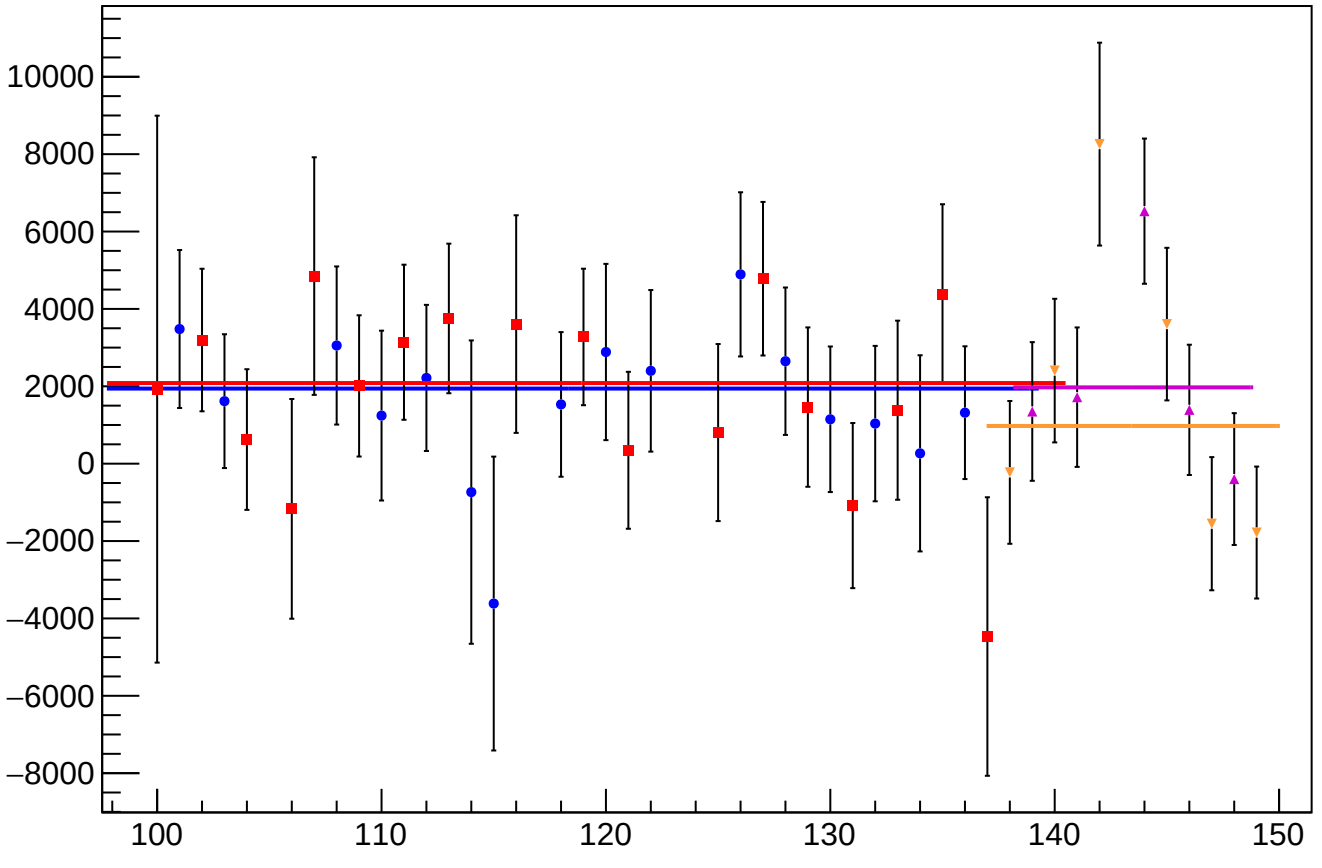
Left: 0.000+/-0.000 χ^2/NDF: 1282270.1/10

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:4702305.6/23

All: 0.000+/-0.000 χ^2/NDF: 8825969.3/44



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 974.577+/-774.251 χ^2/NDF:15.3/5

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: 1463.030+/-553.103 χ^2/NDF: 24.2/10

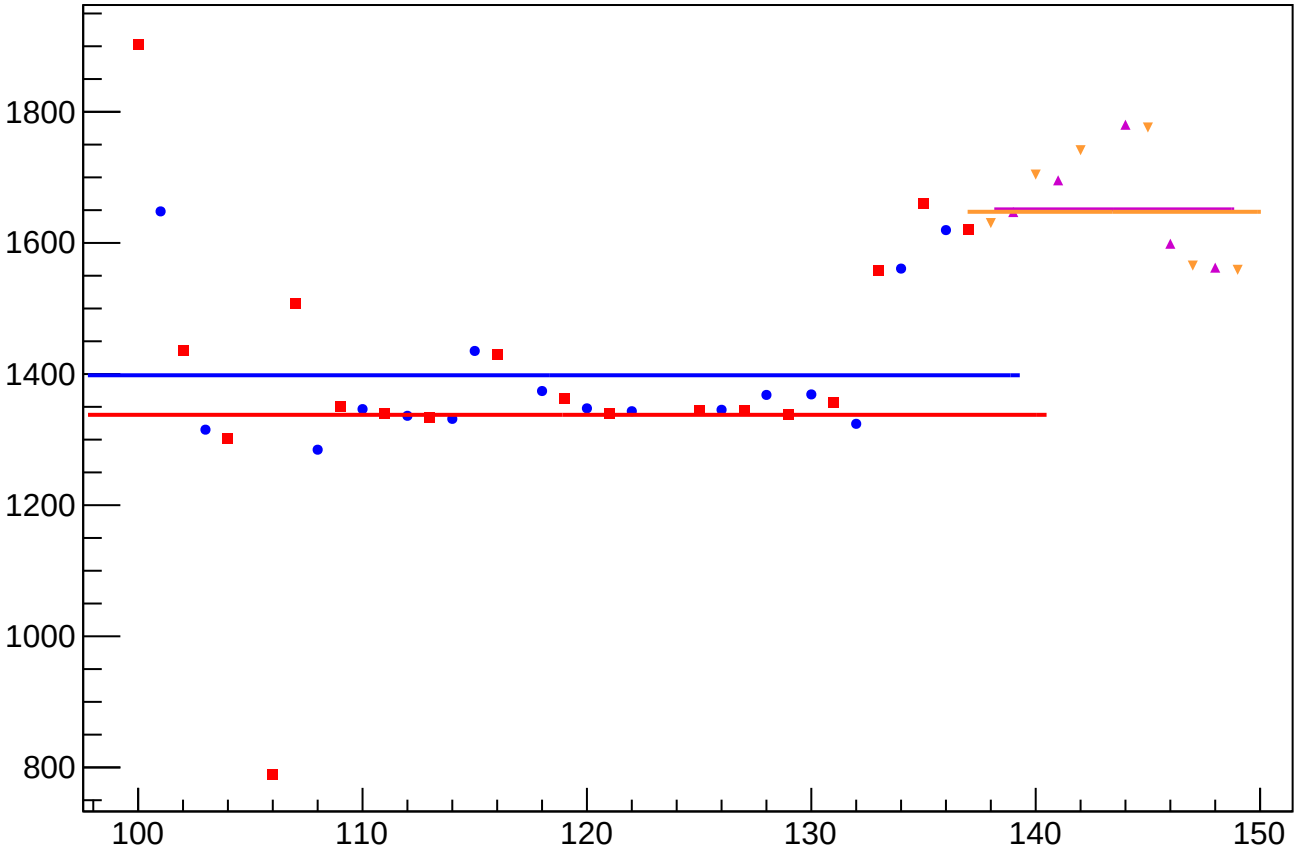
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 1950.428+/-435.684 χ^2/NDF:15.0/20

Out: 1739.480+/-431.439 χ^2/NDF:31.2/23

All: 1843.921+/-306.563 χ^2/NDF: 46.3/44

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1647.516+/-0.547 χ^2/NDF:23049.8/5

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: 1649.308+/-0.391 χ^2/NDF: 41135.2/10

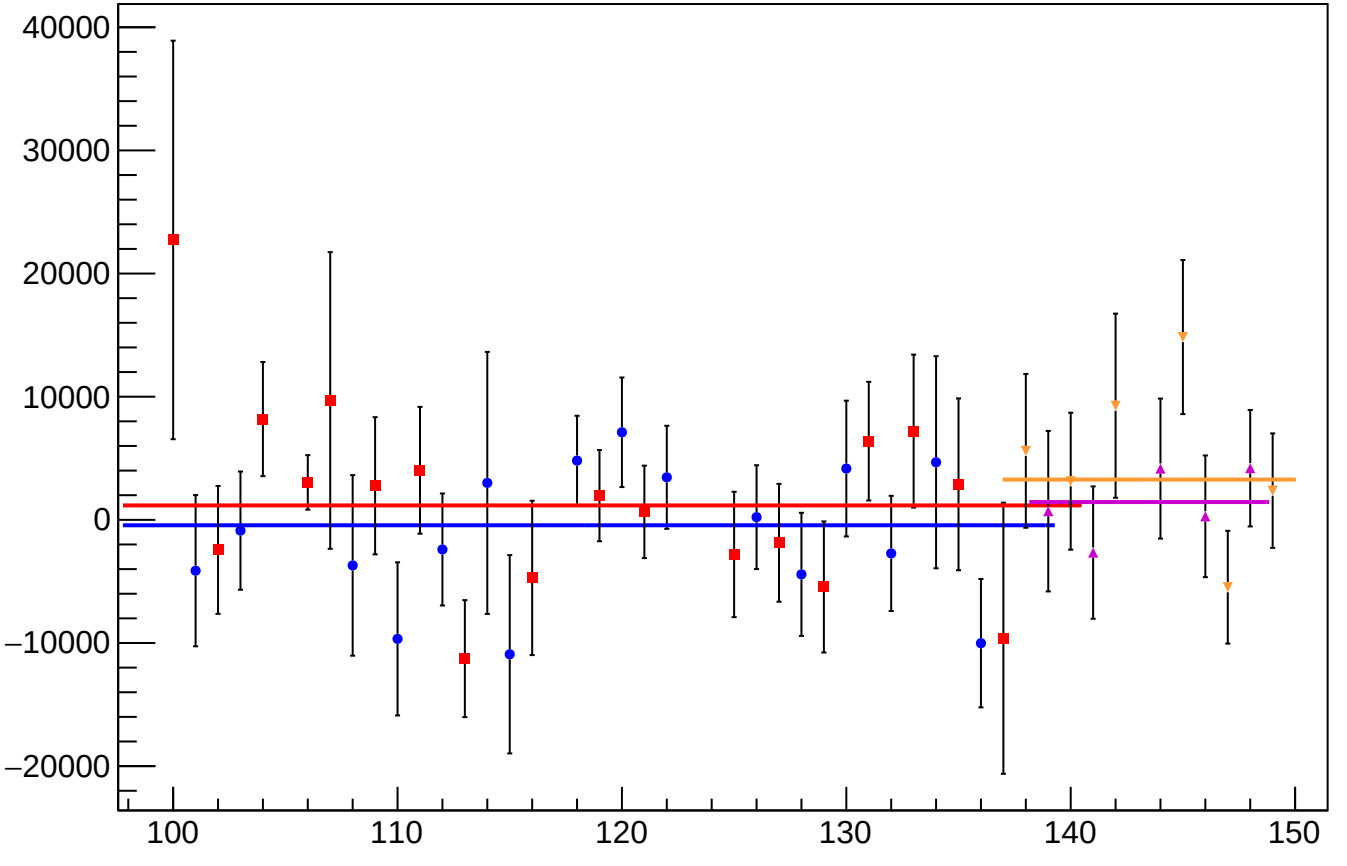
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1475.035+/-0.308 χ^2/NDF:254655.1/20

Out: 1429.820+/-0.298 χ^2/NDF:565746.7/23

All: 1451.706+/-0.214 χ^2/NDF: 831516.0/44

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 3272.368+/-2262.568 χ^2/NDF:7.9/5

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1445.063+/-2392.081 χ^2/NDF:1.2/4

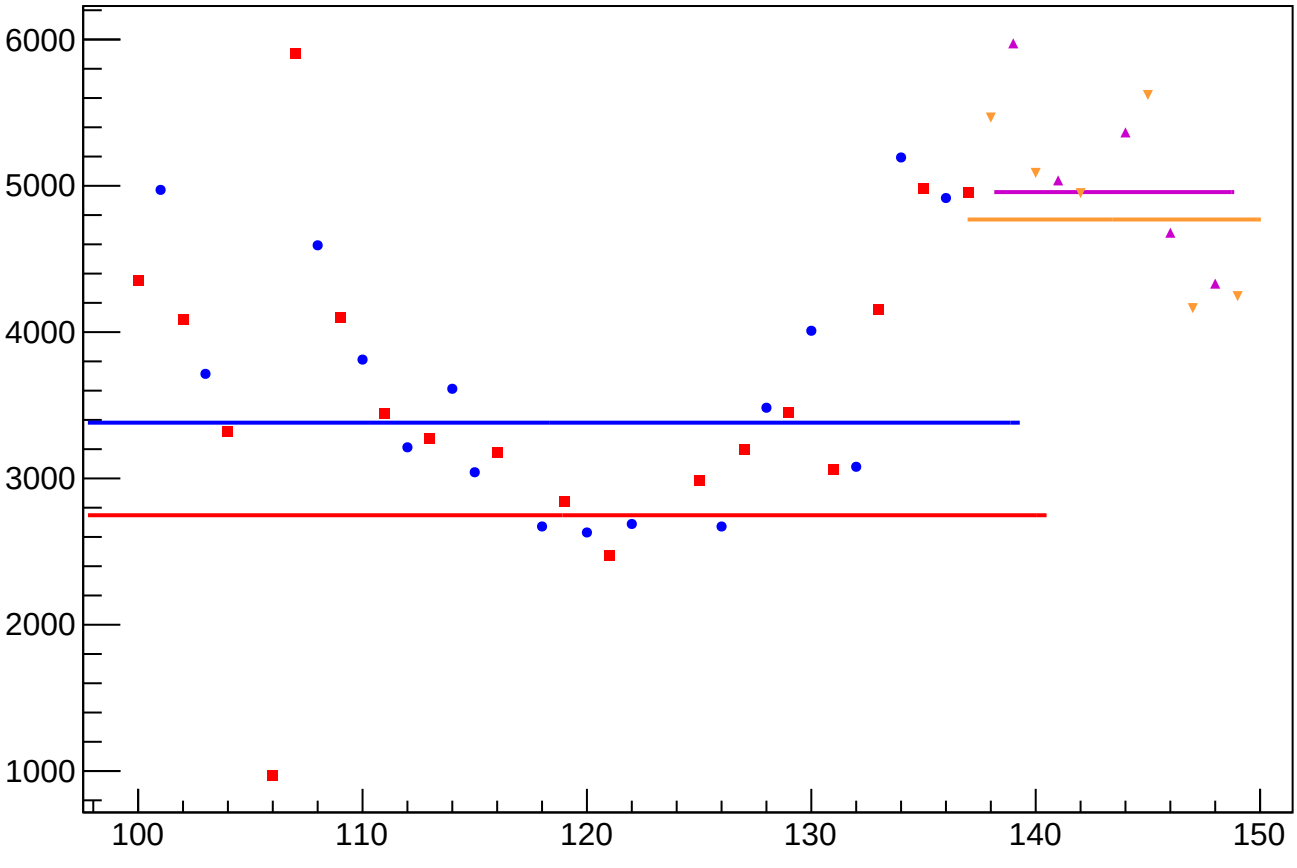
Left: 2409.520+/-1643.757 χ^2/NDF: 9.4/10

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -13.156+/-1139.448 χ^2/NDF:17.6/20

Out: 1584.948+/-1003.673 χ^2/NDF:28.2/23

All: 886.737+/-753.157 χ^2/NDF: 47.0/44



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4769.663+/-1.600 χ^2/NDF:130031.3/5

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 4957.111+/-1.691 χ^2/NDF:100745.8/4

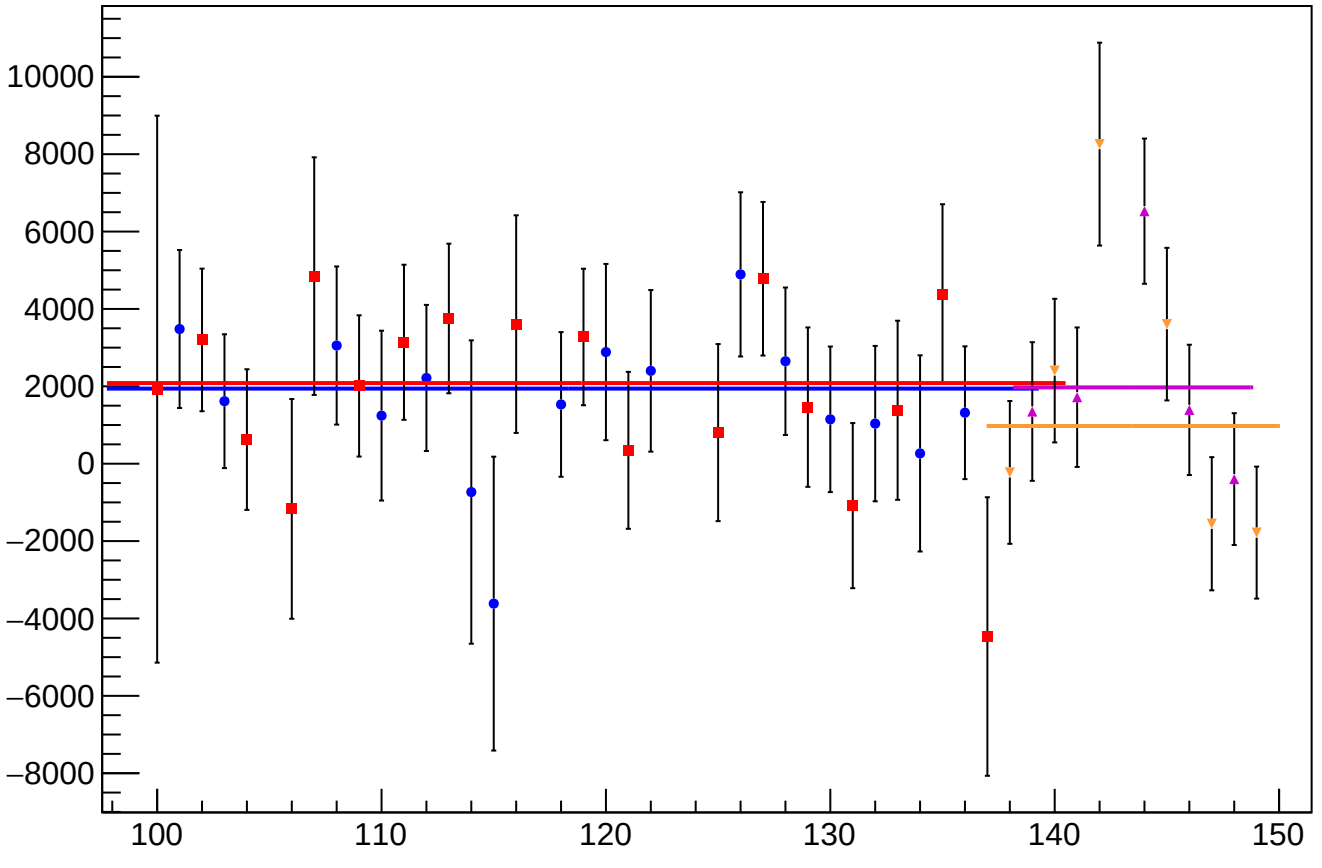
Left: 4858.176+/-1.162 χ^2/NDF: 237259.1/10

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3738.712+/-0.806 χ^2/NDF:1529046.7/20

Out: 3146.122+/-0.710 χ^2/NDF:3676686.1/23

All: 3405.025+/-0.533 χ^2/NDF: 5510336.8/44



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 974.646+/-774.251 χ^2/NDF:15.3/5

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1972.141+/-790.410 χ^2/NDF:8.1/4

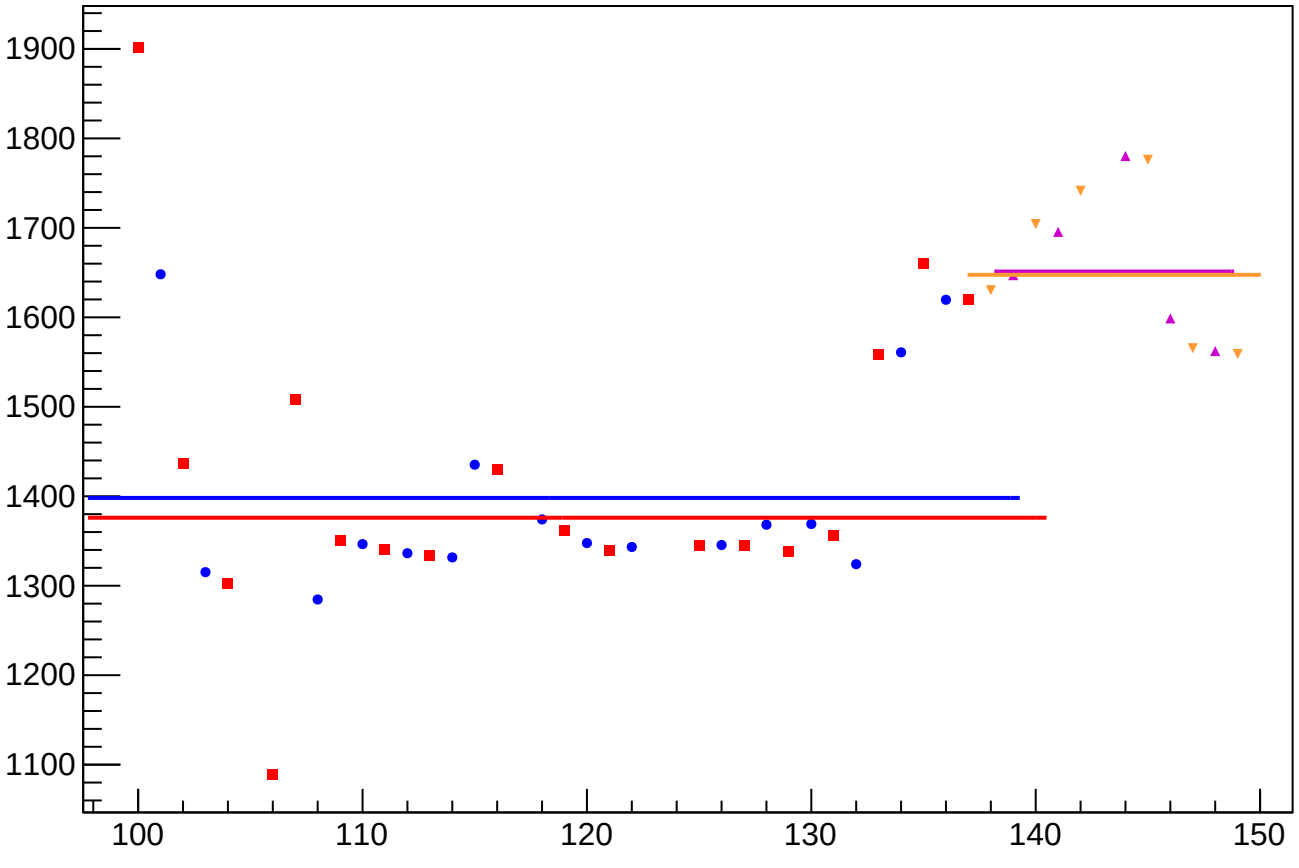
Left: 1463.092+/-553.103 χ^2/NDF: 24.2/10

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1950.483+/-435.684 χ^2/NDF:15.0/20

Out: 1739.646+/-431.441 χ^2/NDF:31.2/23

All: 1844.033+/-306.564 χ^2/NDF: 46.3/44



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1647.516+/-0.547 χ^2/NDF:23049.8/5

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

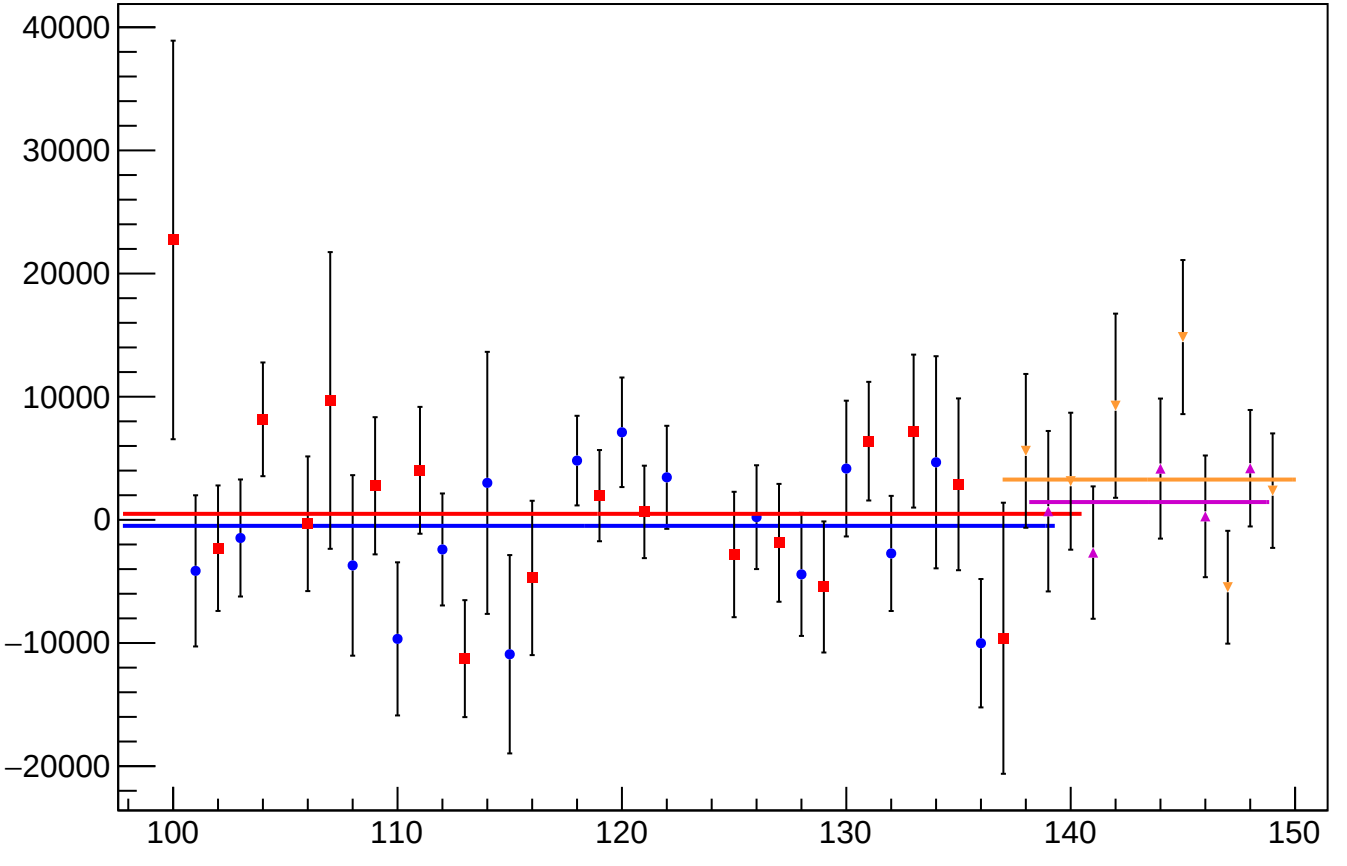
Left: 1649.308+/-0.391 χ^2/NDF: 41135.2/10

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1475.035+/-0.308 χ^2/NDF:254655.2/20

Out: 1458.776+/-0.302 χ^2/NDF:308042.3/23

All: 1466.751+/-0.216 χ^2/NDF: 564116.7/44



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3272.367+/-2262.569 χ^2/NDF:7.9/5

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1445.055+/-2392.079 χ^2/NDF:1.2/4

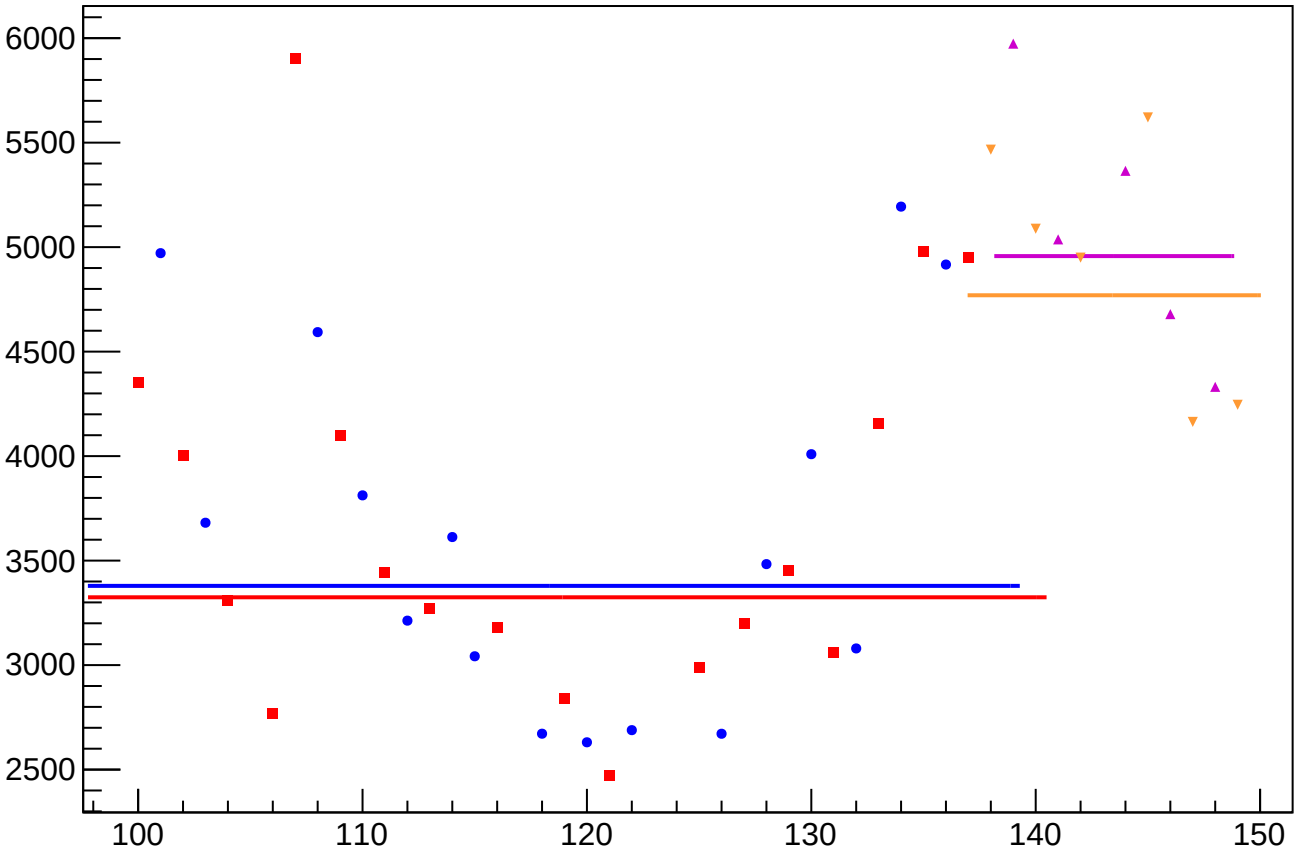
Left: 2409.515+/-1643.756 χ^2/NDF: 9.4/10

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -48.791+/-1138.777 χ^2/NDF:17.7/20

Out: 1148.603+/-1101.691 χ^2/NDF:27.8/23

All: 569.721+/-791.800 χ^2/NDF: 46.0/44



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4769.664+/-1.600 χ^2/NDF:130030.9/5

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

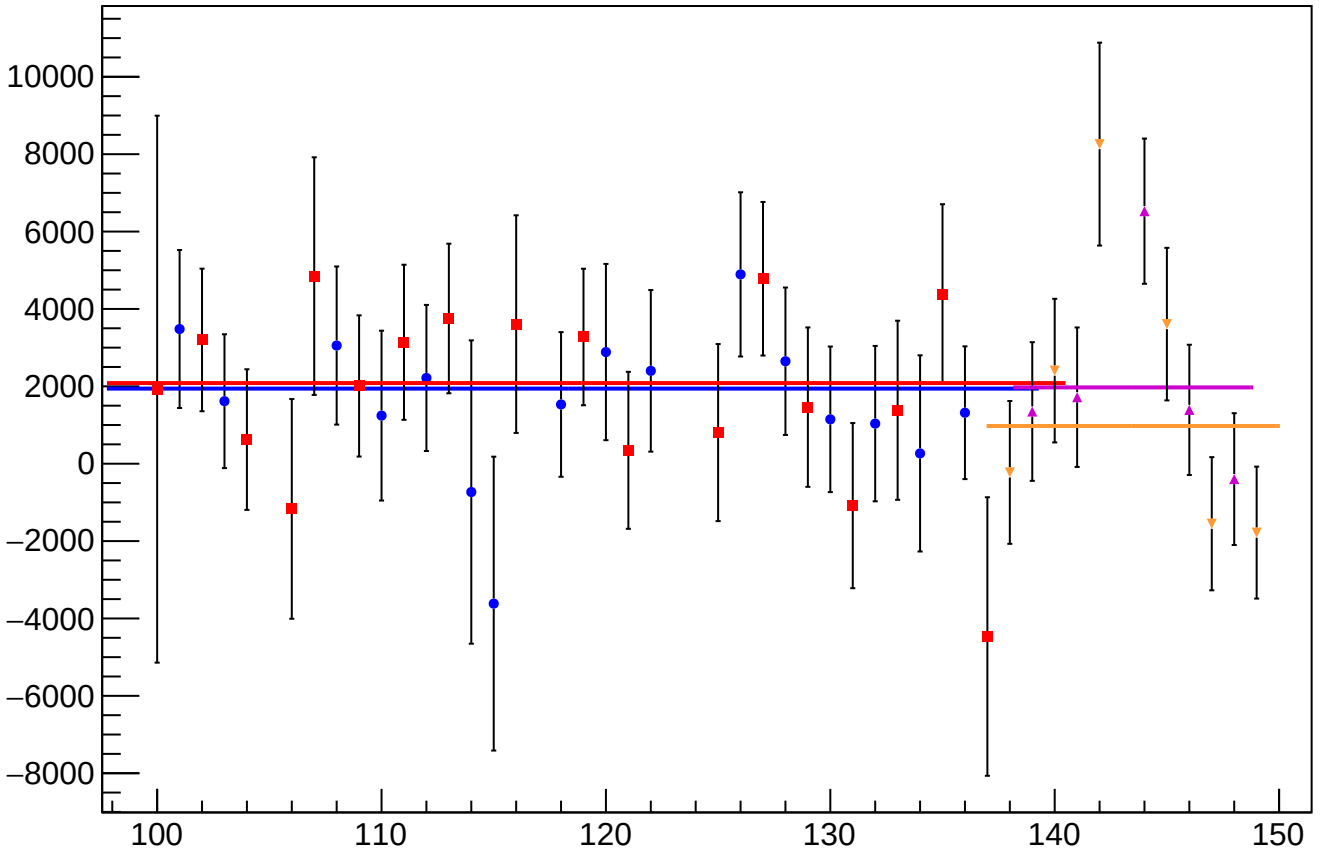
Left: 4858.174+/-1.162 χ^2/NDF: 237258.5/10

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3736.739+/-0.805 χ^2/NDF:1529179.4/20

Out: 3667.098+/-0.779 χ^2/NDF:1296379.2/23

All: 3700.766+/-0.560 χ^2/NDF: 2829422.3/44



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 974.646+/-774.251 χ^2/NDF:15.3/5

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 1972.141+/-790.410 χ^2/NDF:8.1/4

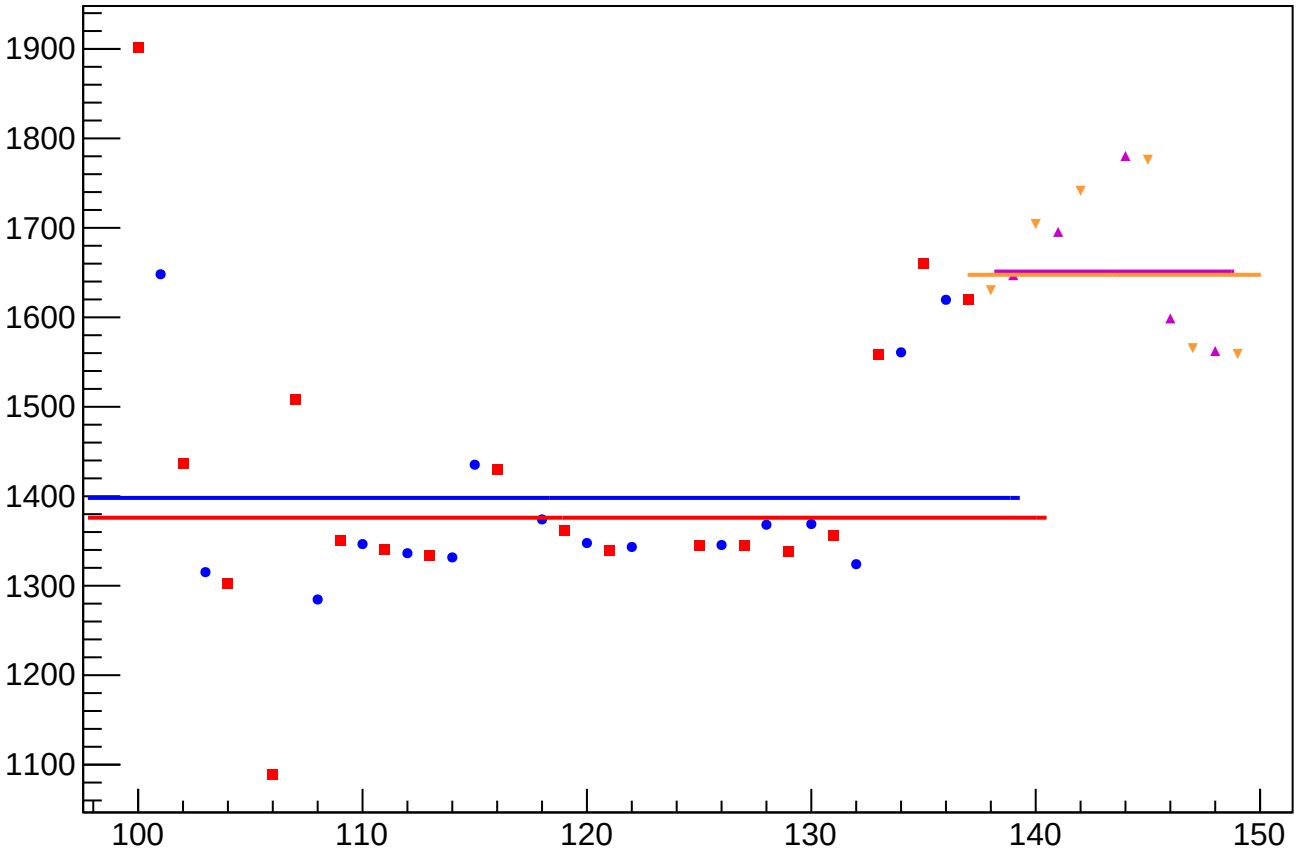
Left: 1463.092+/-553.103 χ^2/NDF: 24.2/10

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 1950.483+/-435.684 χ^2/NDF:15.0/20

Out: 1739.646+/-431.441 χ^2/NDF:31.2/23

All: 1844.033+/-306.564 χ^2/NDF: 46.3/44



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1647.516+/-0.547 χ^2/NDF:23049.8/5

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1651.175+/-0.559 χ^2/NDF:18063.5/4

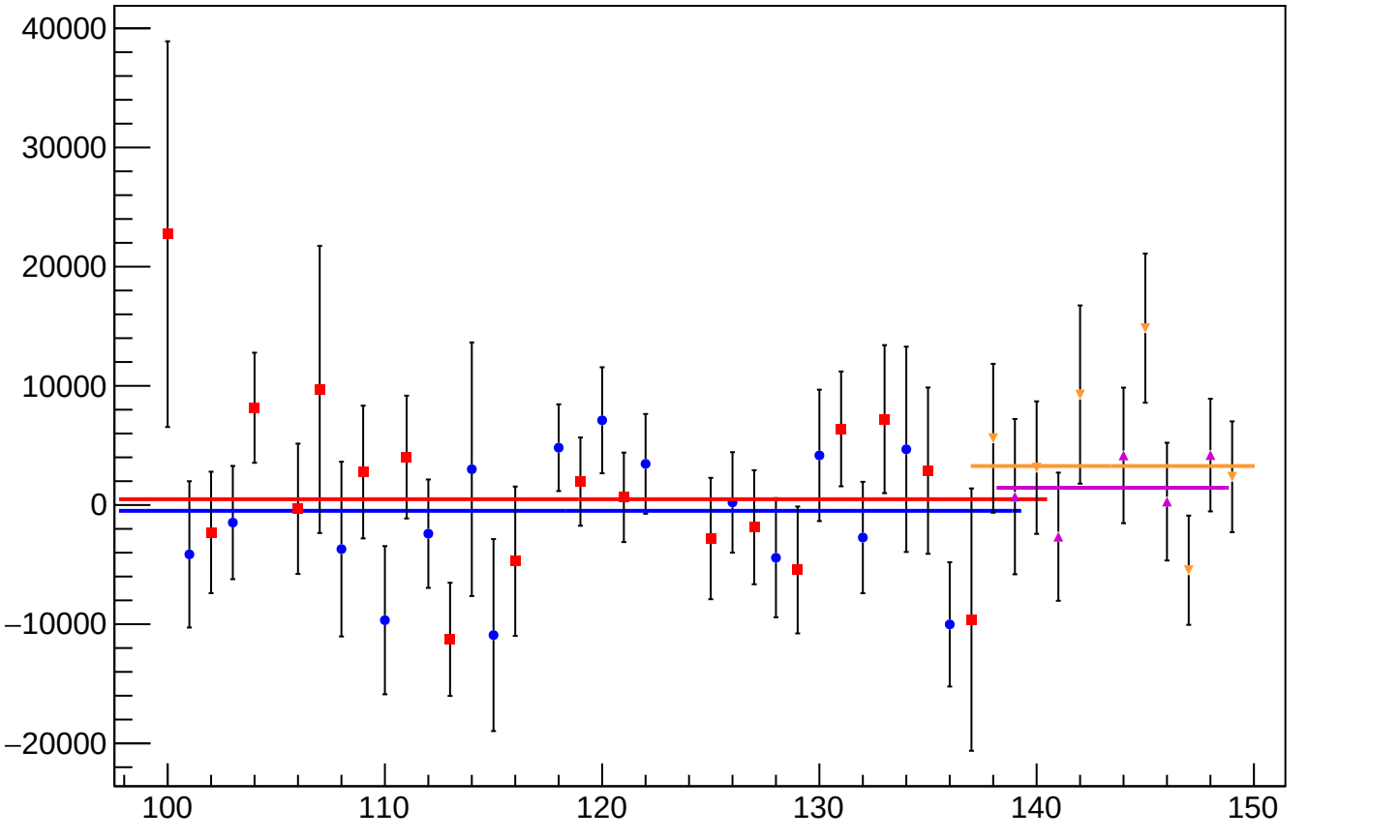
Left: 1649.308+/-0.391 χ^2/NDF: 41135.2/10

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1475.035+/-0.308 χ^2/NDF:254655.2/20

Out: 1458.776+/-0.302 χ^2/NDF:308042.3/23

All: 1466.751+/-0.216 χ^2/NDF: 564116.7/44



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3272.367+/-2262.569 χ^2/NDF:7.9/5

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1445.055+/-2392.079 χ^2/NDF:1.2/4

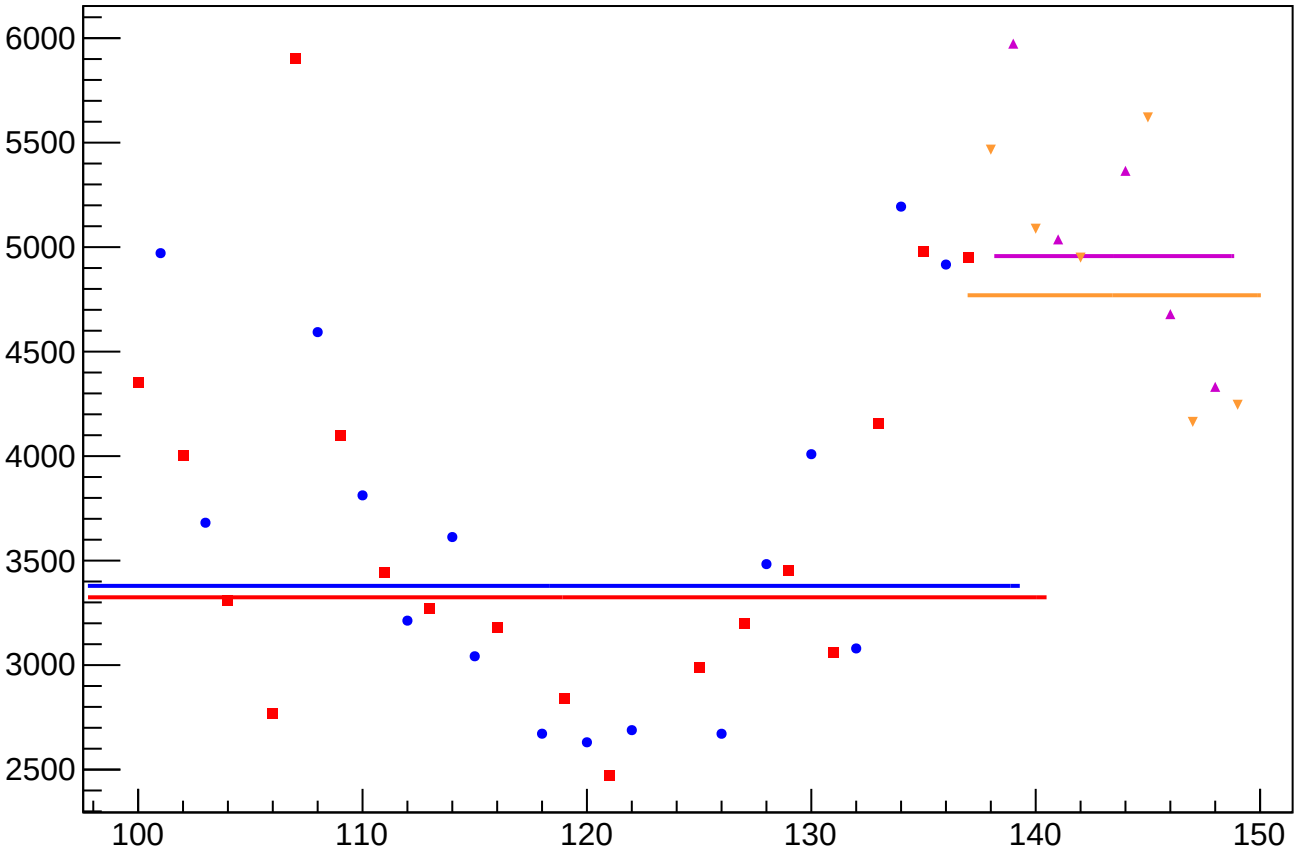
Left: 2409.515+/-1643.756 χ^2/NDF: 9.4/10

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -48.791+/-1138.777 χ^2/NDF:17.7/20

Out: 1148.603+/-1101.691 χ^2/NDF:27.8/23

All: 569.721+/-791.800 χ^2/NDF: 46.0/44



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4769.664+/-1.600 χ^2/NDF:130030.9/5

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4957.106+/-1.691 χ^2/NDF:100746.0/4

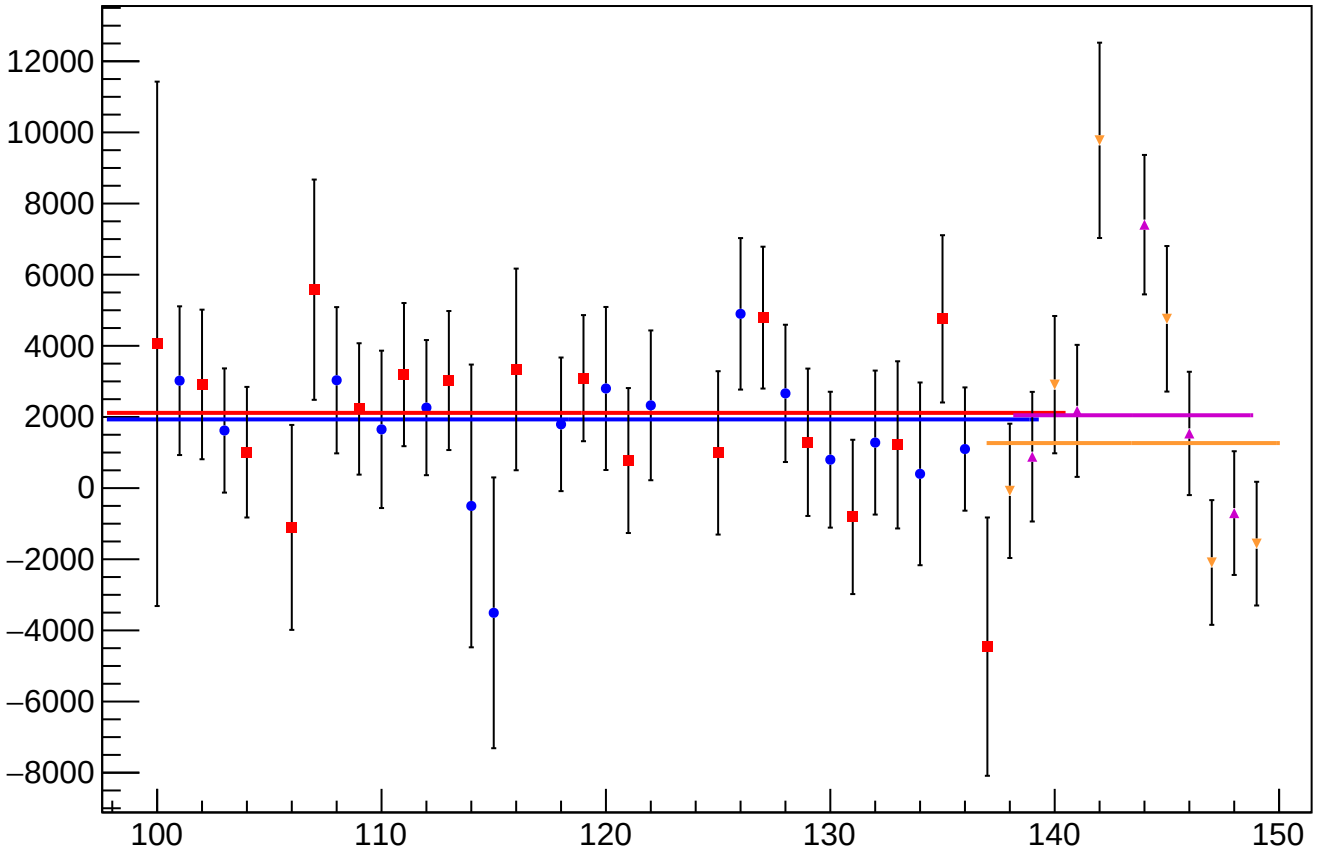
Left: 4858.174+/-1.162 χ^2/NDF: 237258.5/10

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3736.739+/-0.805 χ^2/NDF:1529179.4/20

Out: 3667.098+/-0.779 χ^2/NDF:1296379.2/23

All: 3700.766+/-0.560 χ^2/NDF: 2829422.3/44



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1266.223+/-796.407 χ^2/NDF:20.1/5

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2048.155+/-812.389 χ^2/NDF:10.5/4

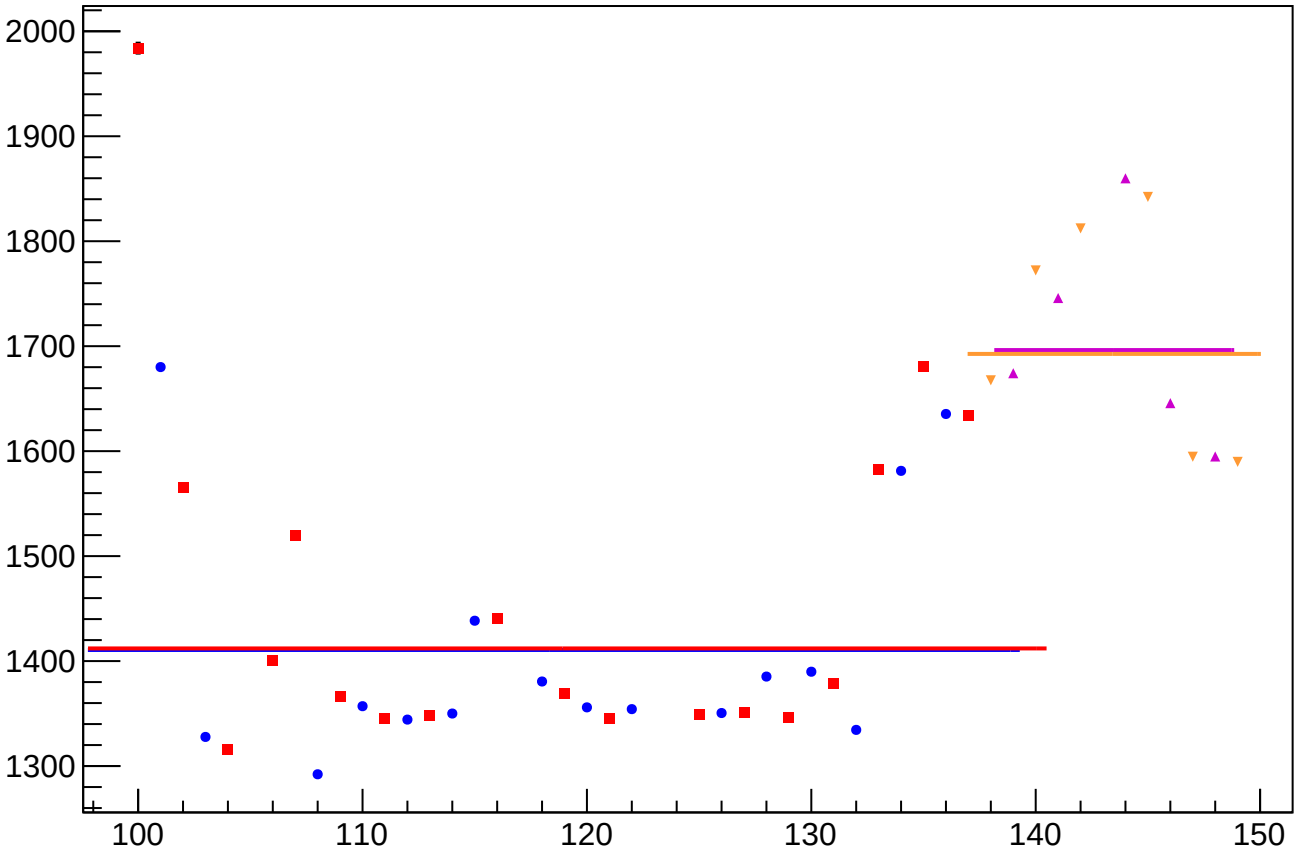
Left: 1649.422+/-568.711 χ^2/NDF: 31.0/10

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1966.089+/-442.201 χ^2/NDF:16.9/20

Out: 1855.428+/-440.535 χ^2/NDF:34.1/23

All: 1910.550+/-312.093 χ^2/NDF: 50.9/44



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1692.630+/-0.563 χ^2/NDF:31474.6/5

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1696.293+/-0.574 χ^2/NDF:24152.4/4

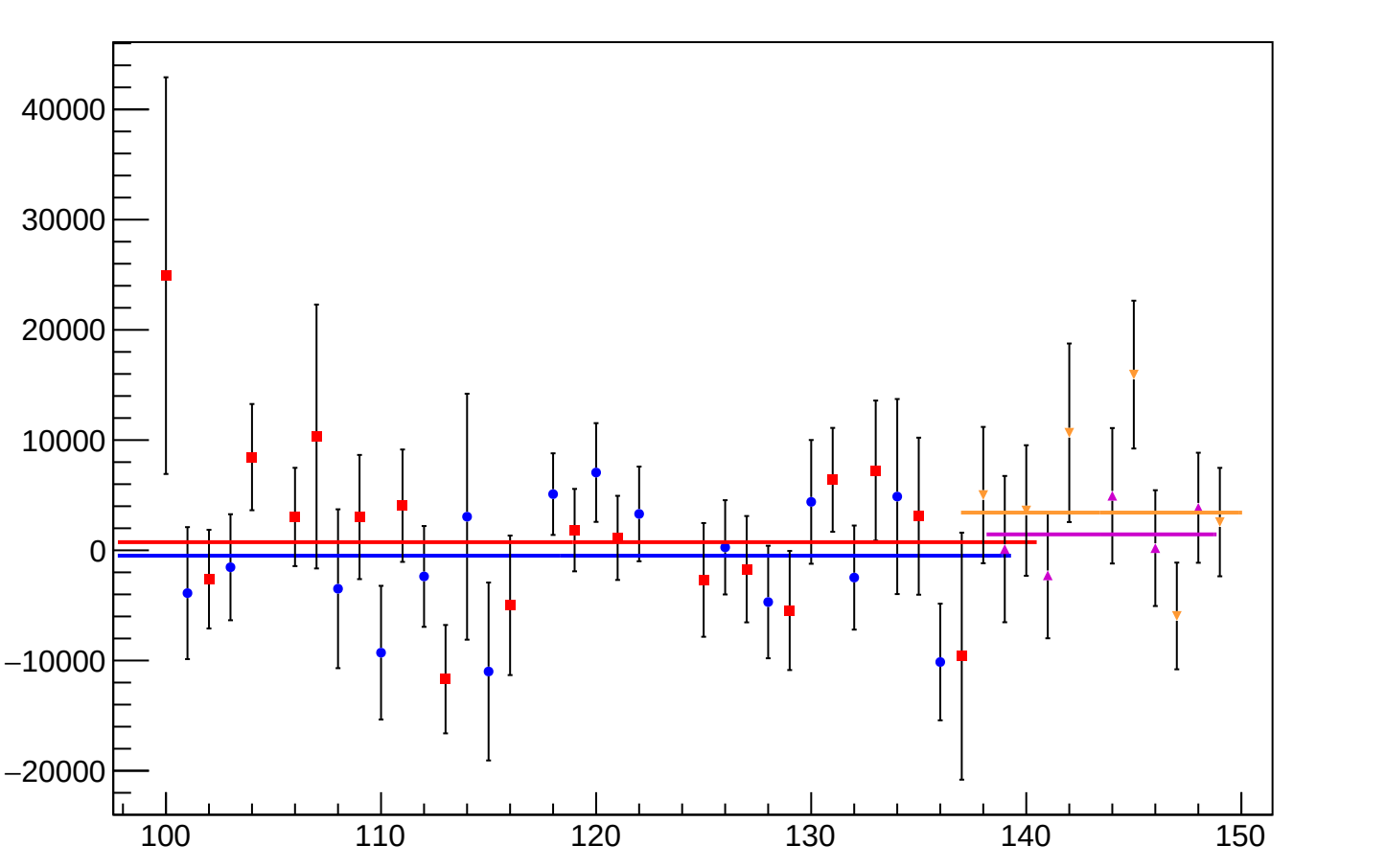
Left: 1694.425+/-0.402 χ^2/NDF: 55647.8/10

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1495.244+/-0.313 χ^2/NDF:297367.4/20

Out: 1497.582+/-0.311 χ^2/NDF:293747.4/23

All: 1496.419+/-0.220 χ^2/NDF: 591142.9/44



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 3421.714+/-2382.662 χ^2/NDF:8.1/5

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1446.156+/-2529.911 χ^2/NDF:1.1/4

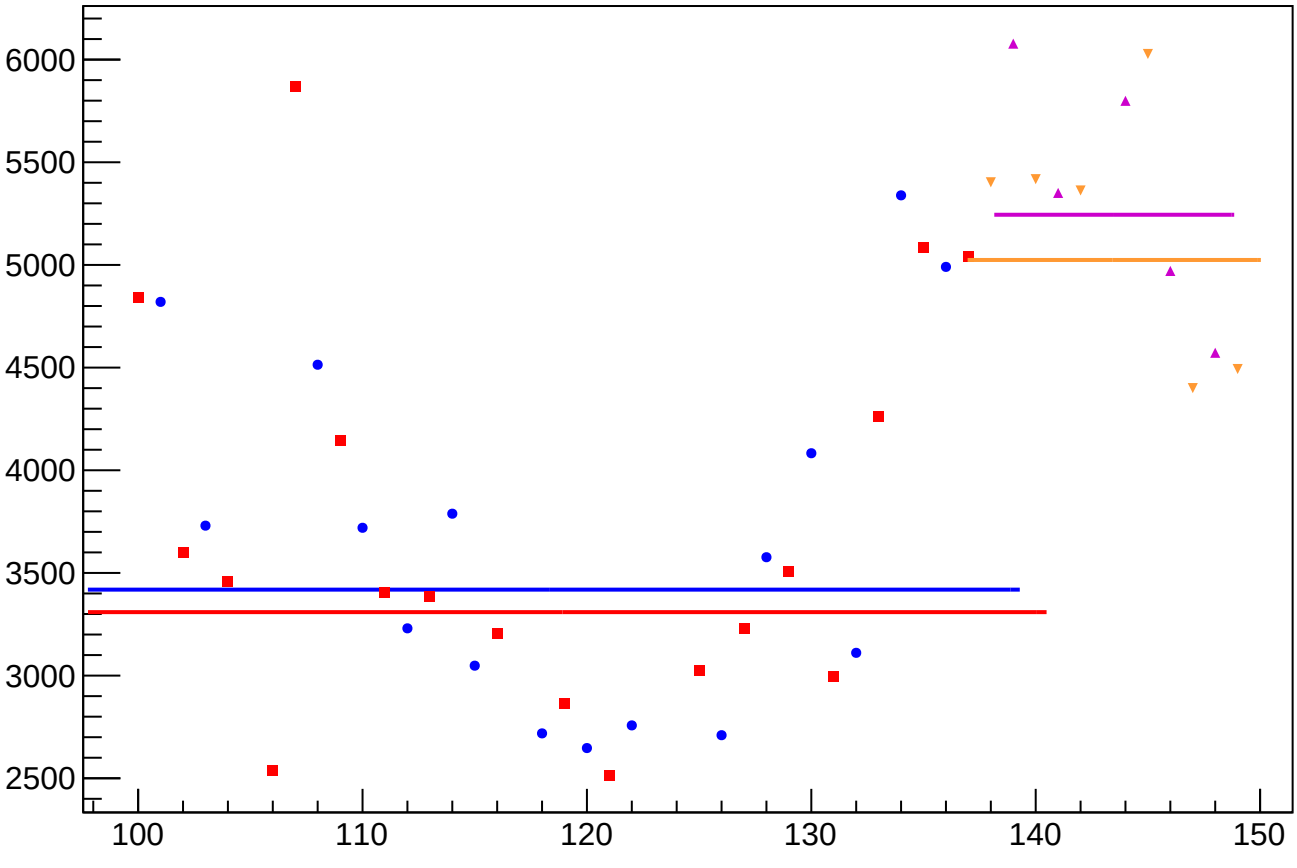
Left: 2493.097+/-1734.517 χ^2/NDF: 9.5/10

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -80.807+/-1162.381 χ^2/NDF:17.4/20

Out: 1317.762+/-1105.493 χ^2/NDF:28.3/23

All: 653.537+/-801.058 χ^2/NDF: 46.5/44



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5024.173+/-1.685 χ^2/NDF:121105.1/5

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5244.384+/-1.789 χ^2/NDF:90227.8/4

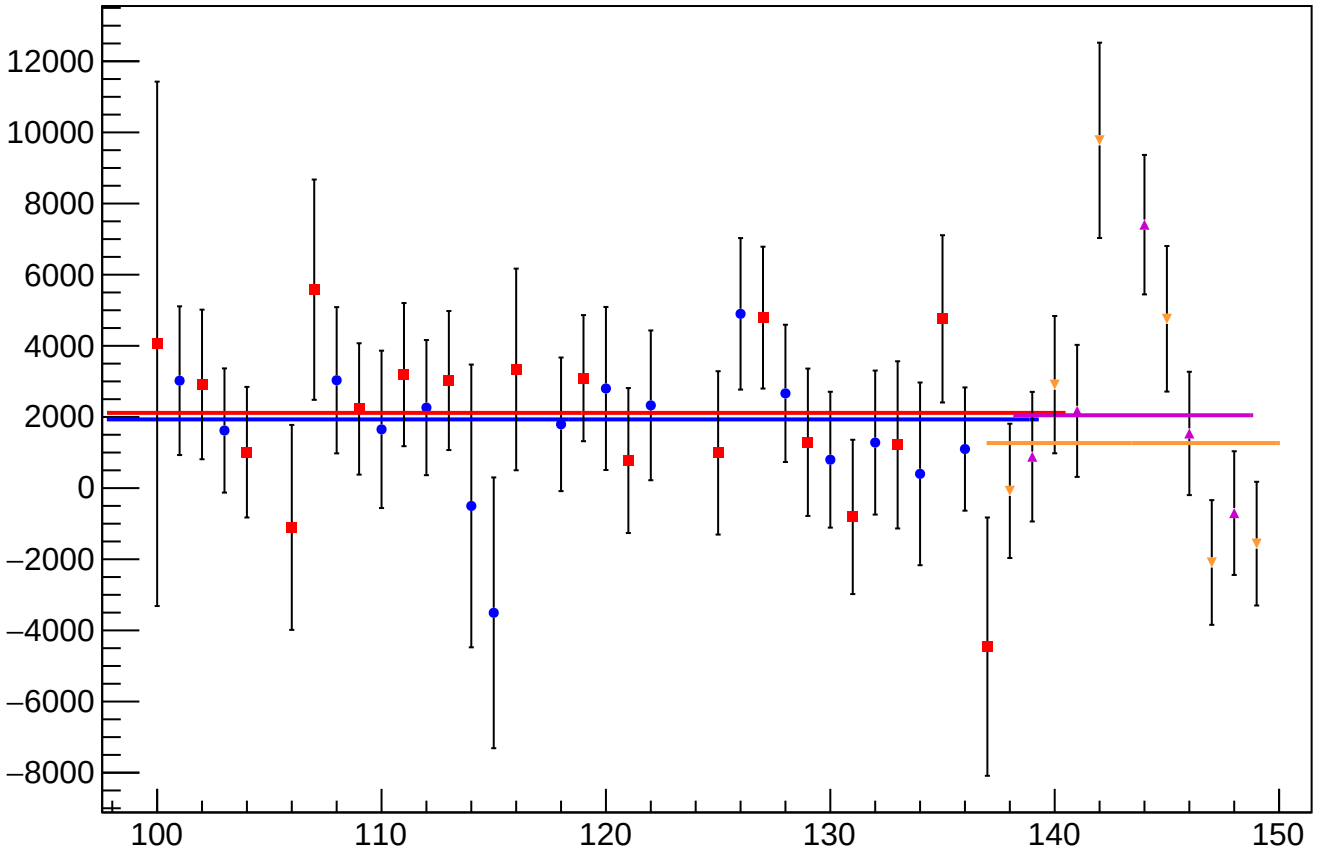
Left: 5127.684+/-1.226 χ^2/NDF: 219363.1/10

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3804.101+/-0.822 χ^2/NDF:1633104.7/20

Out: 3678.316+/-0.782 χ^2/NDF:1506220.2/23

All: 3738.056+/-0.566 χ^2/NDF: 3151622.0/44



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1266.229+/-796.407 χ^2/NDF:20.1/5

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2048.156+/-812.390 χ^2/NDF:10.5/4

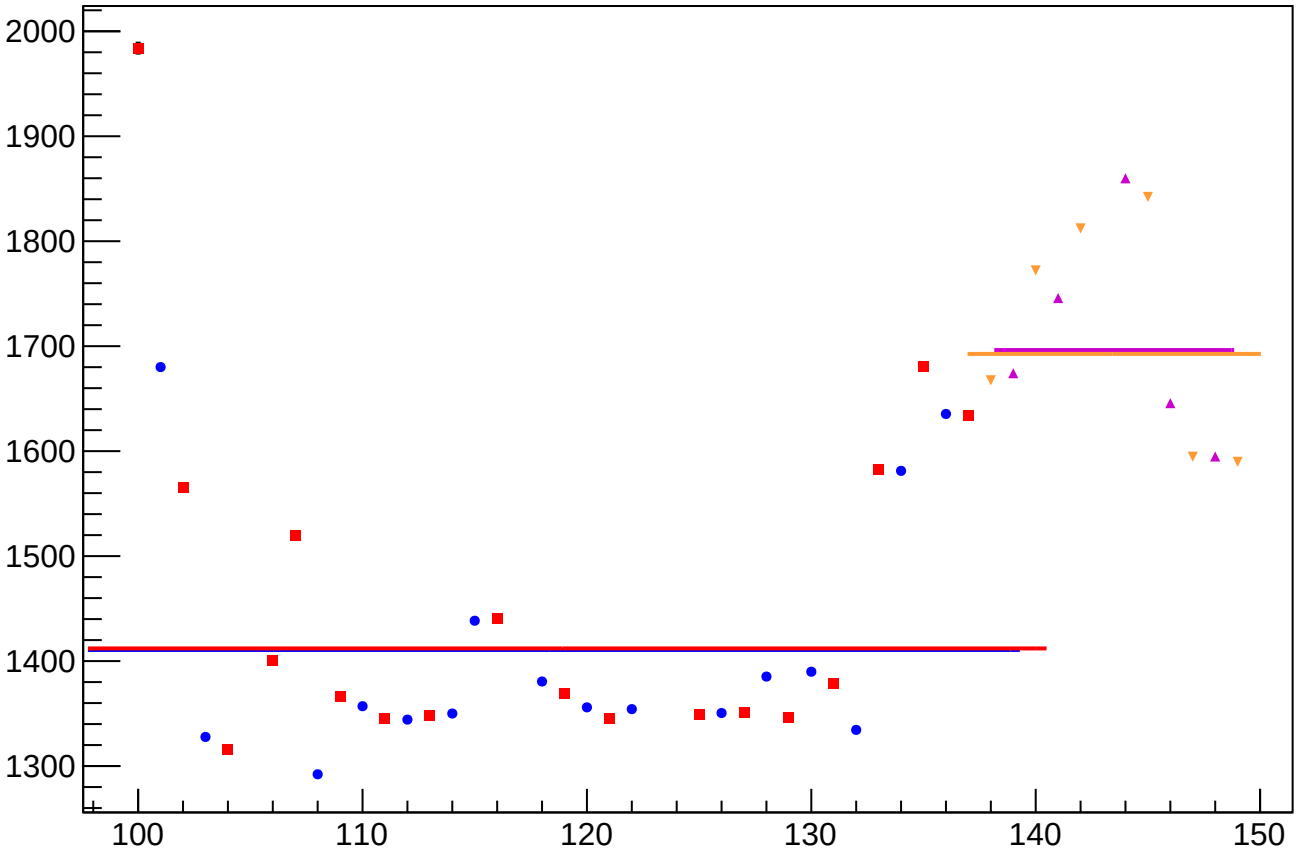
Left: 1649.425+/-568.711 χ^2/NDF: 31.0/10

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 1966.090+/-442.202 χ^2/NDF:16.9/20

Out: 1855.430+/-440.535 χ^2/NDF:34.1/23

All: 1910.551+/-312.093 χ^2/NDF: 50.9/44



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1692.631+/-0.563 χ^2/NDF:31475.3/5

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: 1694.426+/-0.402 χ^2/NDF: 55648.8/10

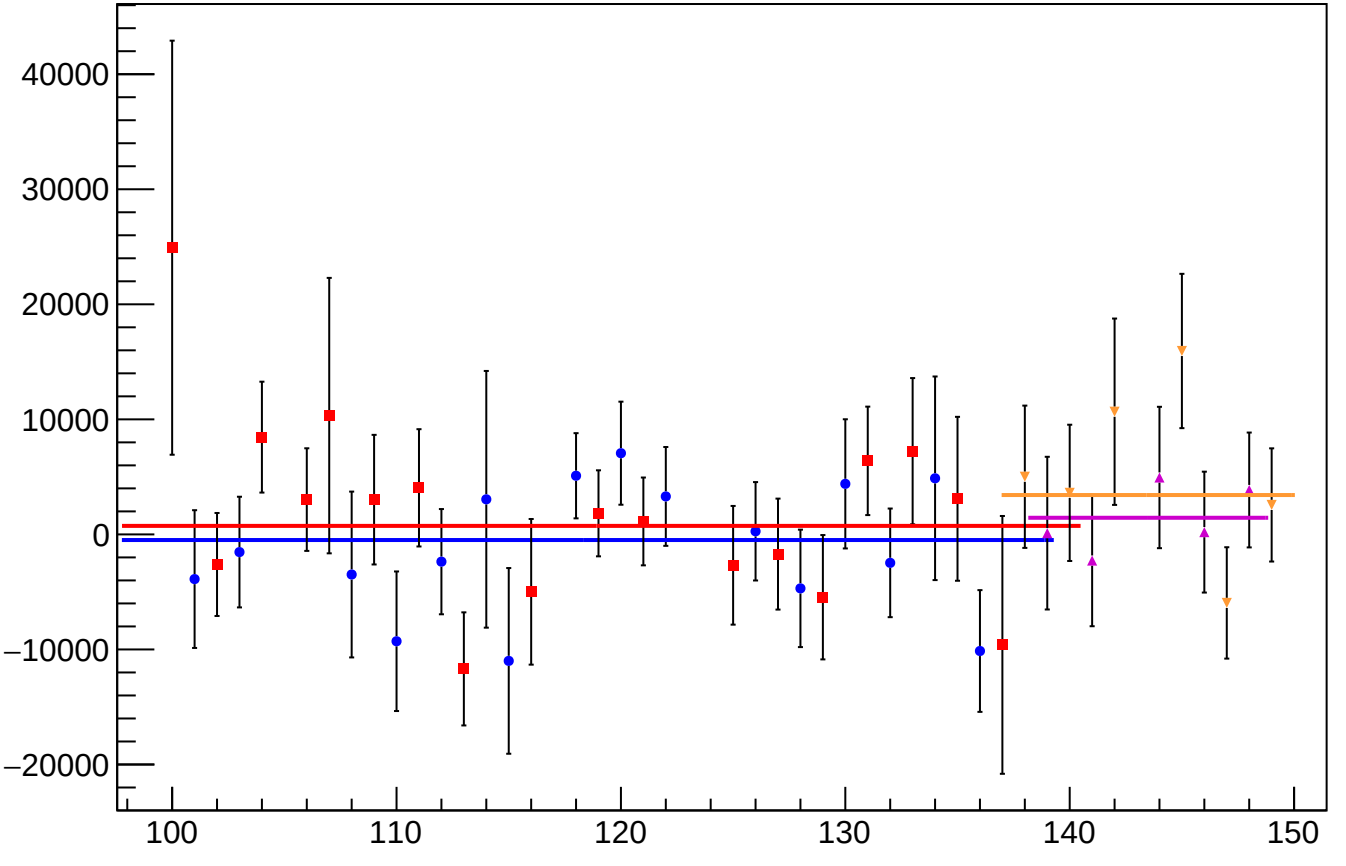
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1495.244+/-0.313 χ^2/NDF:297369.0/20

Out: 1497.582+/-0.311 χ^2/NDF:293749.5/23

All: 1496.420+/-0.220 χ^2/NDF: 591146.6/44

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 3421.711+/-2382.665 χ^2/NDF:8.1/5

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1446.157+/-2529.915 χ^2/NDF:1.1/4

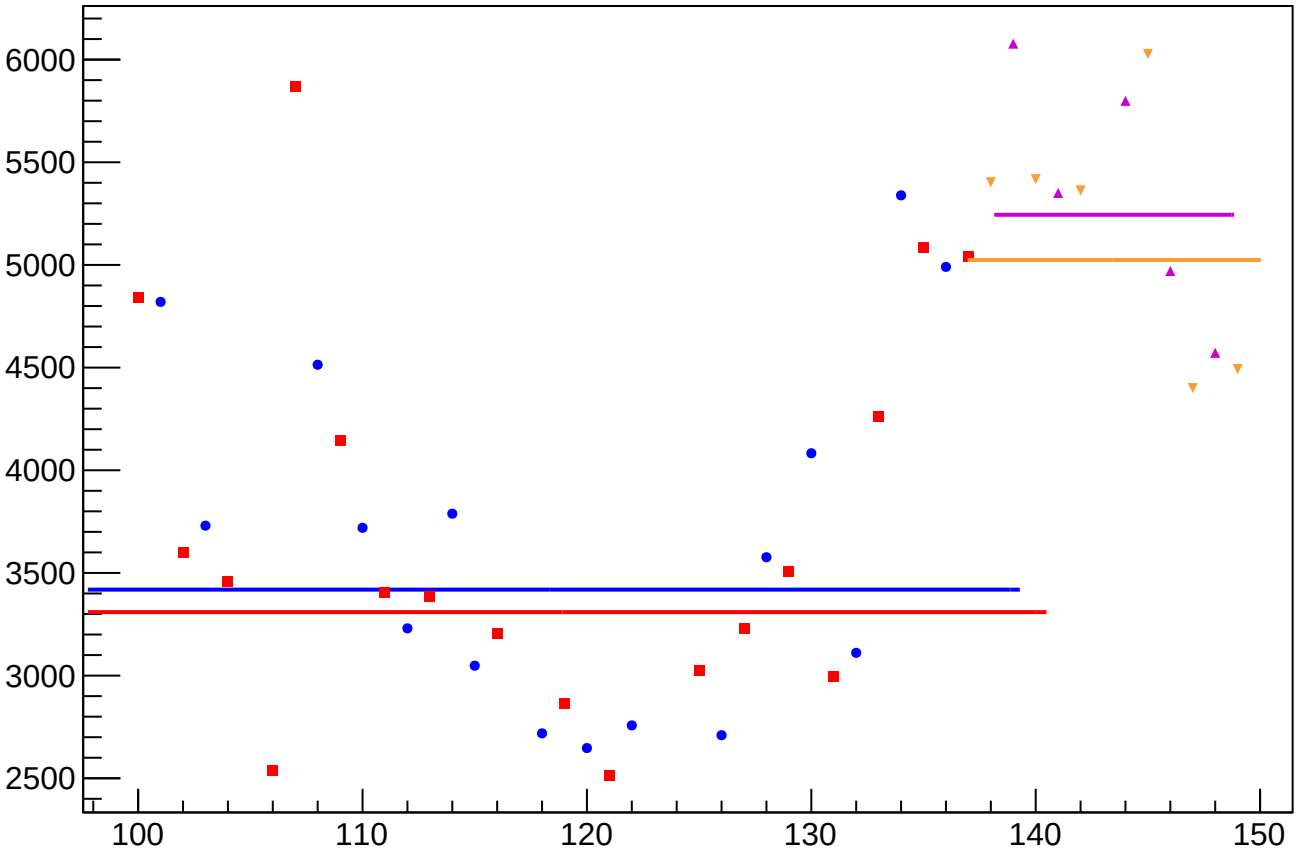
Left: 2493.096+/-1734.520 χ^2/NDF: 9.5/10

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -80.804+/-1162.379 χ^2/NDF:17.4/20

Out: 1317.759+/-1105.491 χ^2/NDF:28.3/23

All: 653.538+/-801.056 χ^2/NDF: 46.5/44



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5024.180+/-1.685 χ^2/NDF:121107.5/5

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5244.392+/-1.789 χ^2/NDF:90229.5/4

Left: 5127.691+/-1.226 χ^2/NDF: 219367.3/10

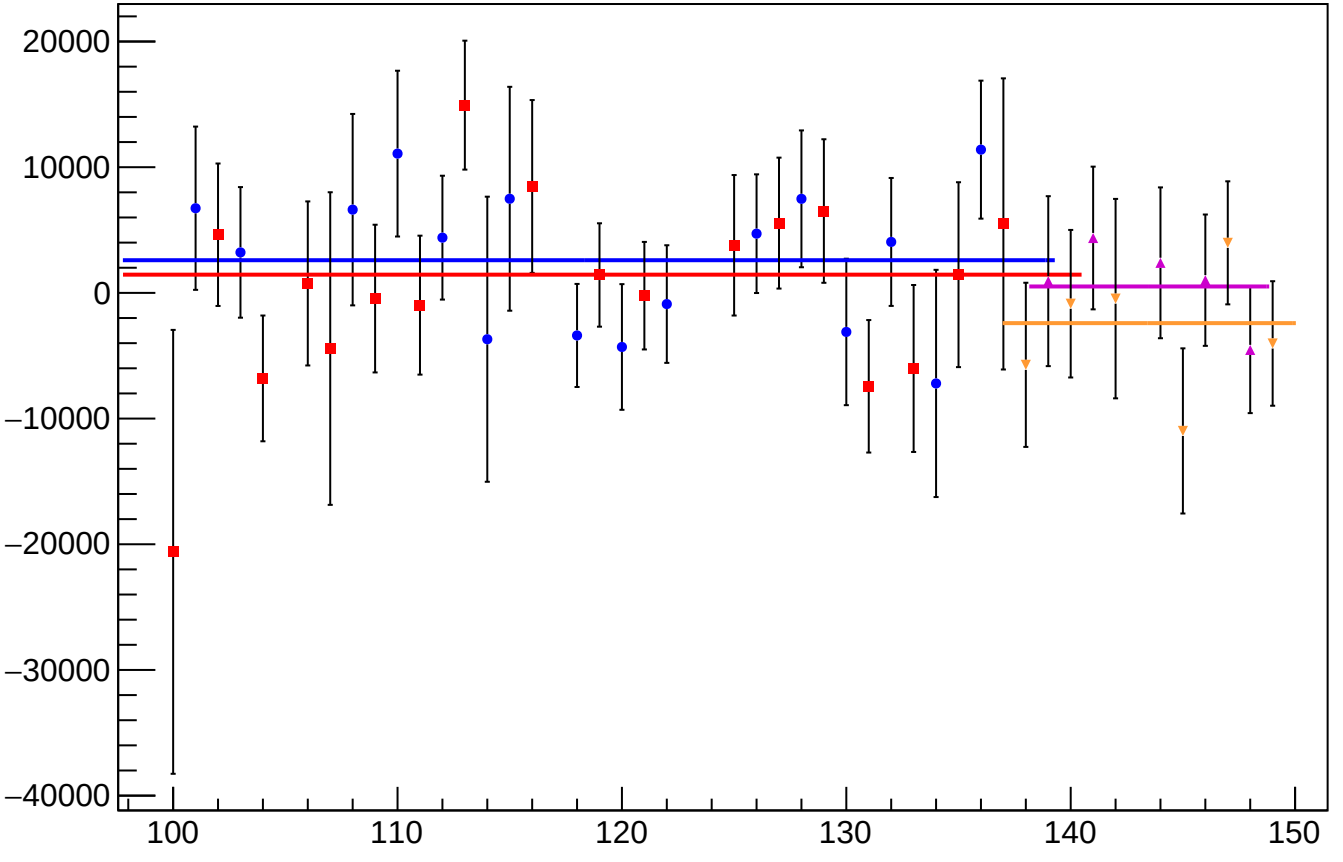
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3804.091+/-0.822 χ^2/NDF:1633130.7/20

Out: 3678.308+/-0.782 χ^2/NDF:1506241.3/23

All: 3738.046+/-0.566 χ^2/NDF: 3151669.0/44

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -2406.214+/-2397.278 χ^2/NDF:3.9/5

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 510.371+/-2525.076 χ^2/NDF:1.6/4

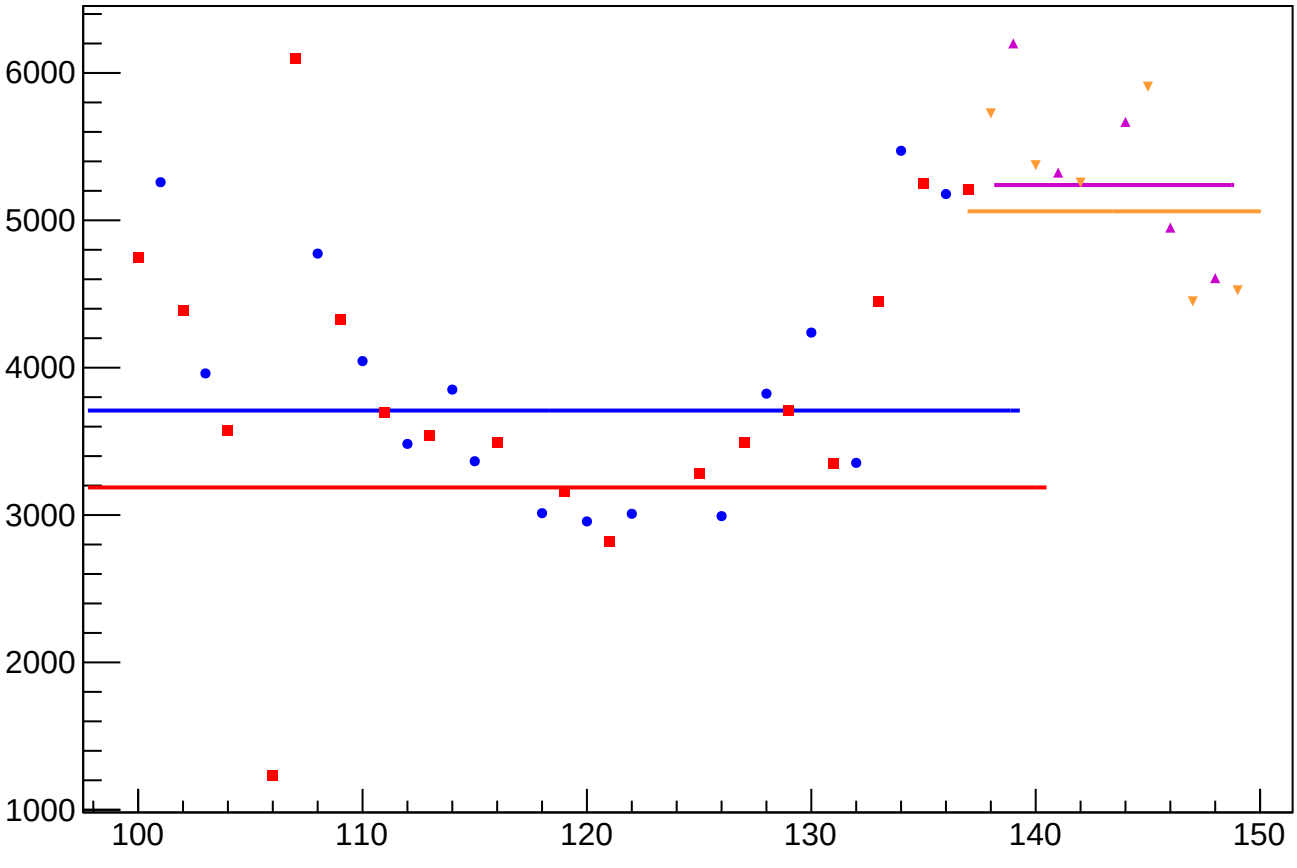
Left: -1023.593+/-1738.556 χ^2/NDF: 6.2/10

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2100.603+/-1234.063 χ^2/NDF:15.6/20

Out: 487.567+/-1197.826 χ^2/NDF:24.9/23

All: 1270.055+/-859.516 χ^2/NDF: 41.3/44



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5061.127+/-1.695 χ^2/NDF:115304.3/5

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5239.536+/-1.785 χ^2/NDF:88724.5/4

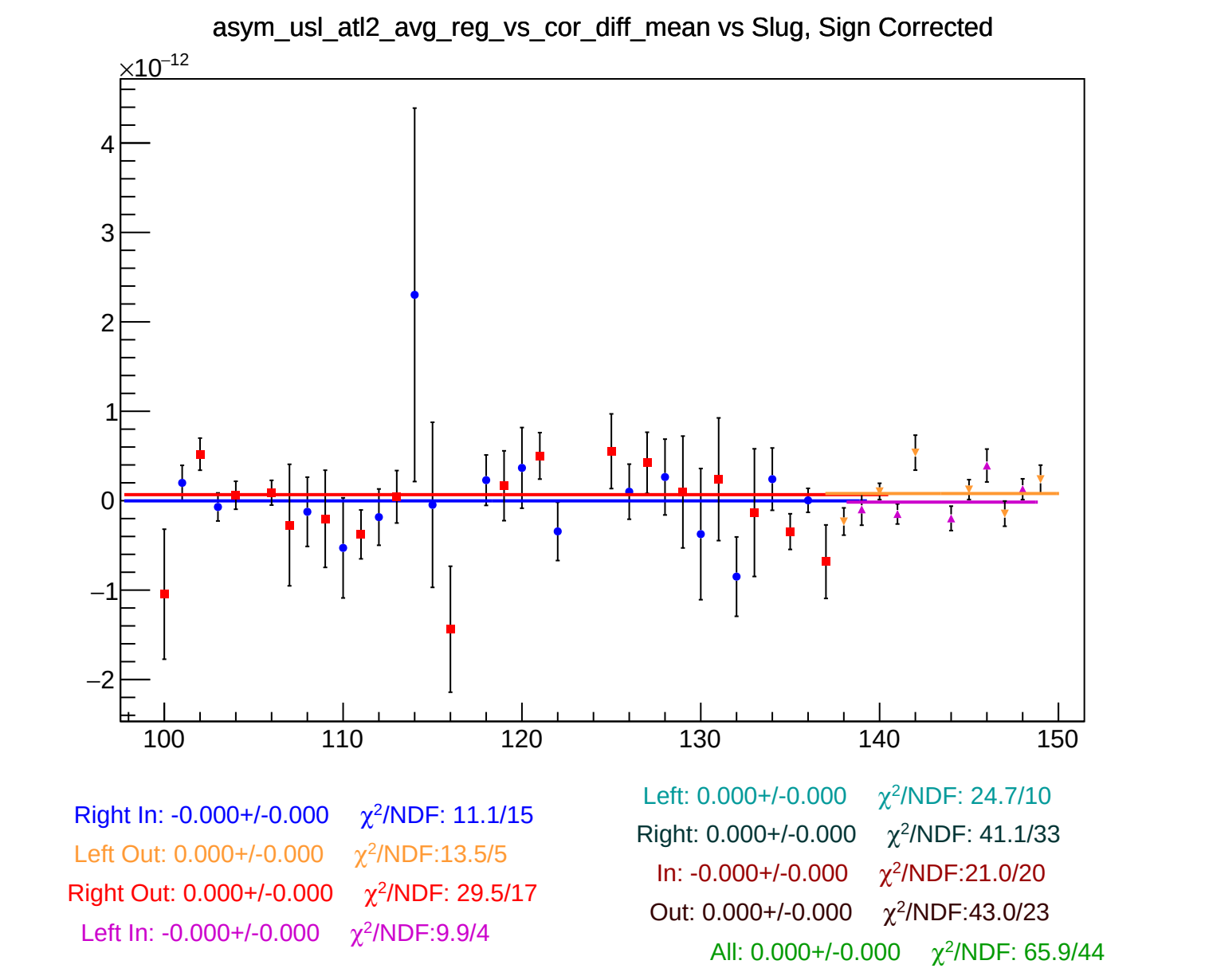
Left: 5145.703+/-1.229 χ^2/NDF: 209280.0/10

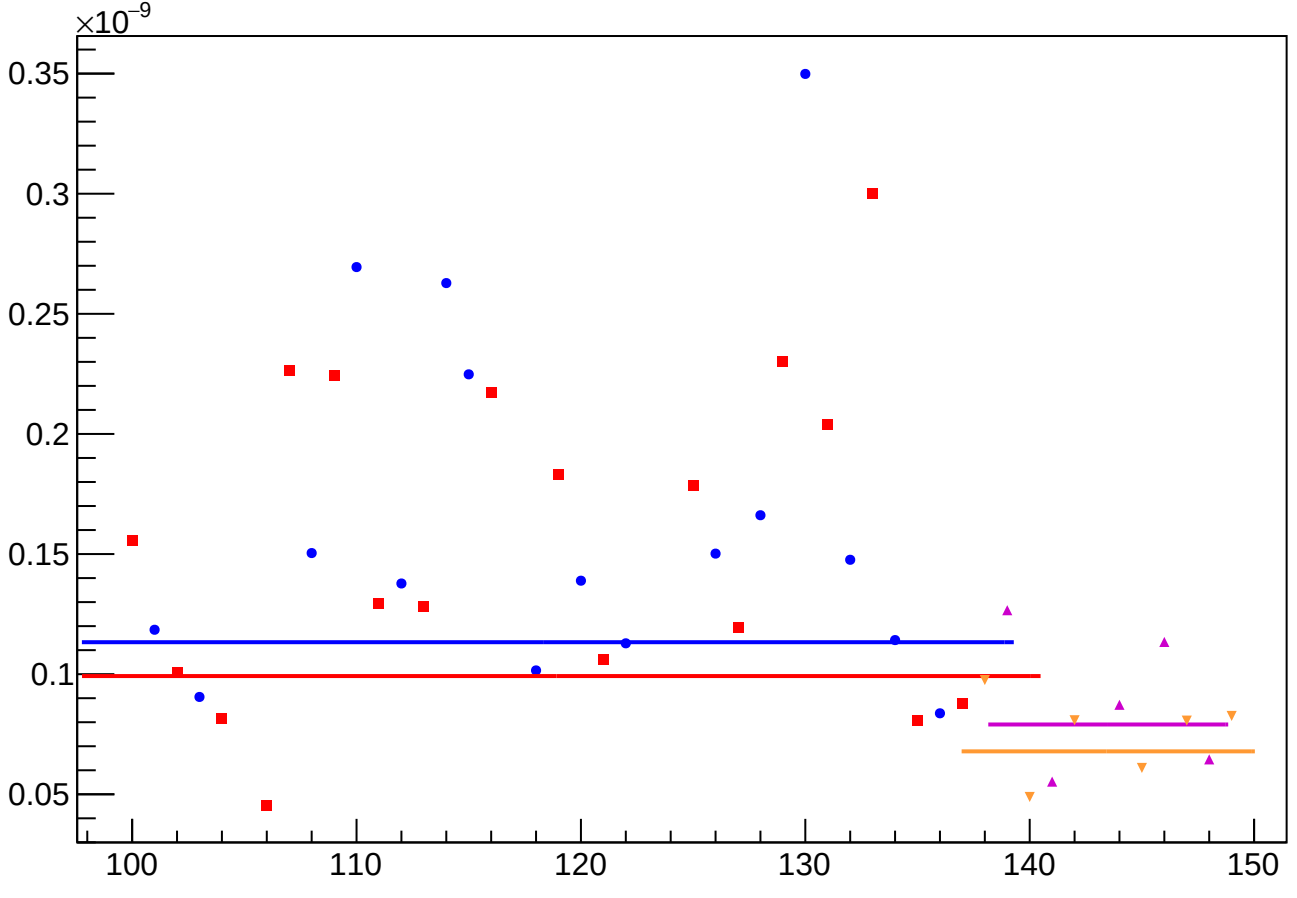
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4074.686+/-0.873 χ^2/NDF:1258541.1/20

Out: 3596.106+/-0.792 χ^2/NDF:2681536.4/23

All: 3812.228+/-0.586 χ^2/NDF: 4105034.2/44


asym_usl_atl2_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: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:9.9/4
Left: 0.000+/-0.000 χ²/NDF: 24.7/10
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:21.0/20
Out: 0.000+/-0.000 χ²/NDF:43.0/23
All: 0.000+/-0.000 χ²/NDF: 65.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:213132.9/5

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: 592379.2/10

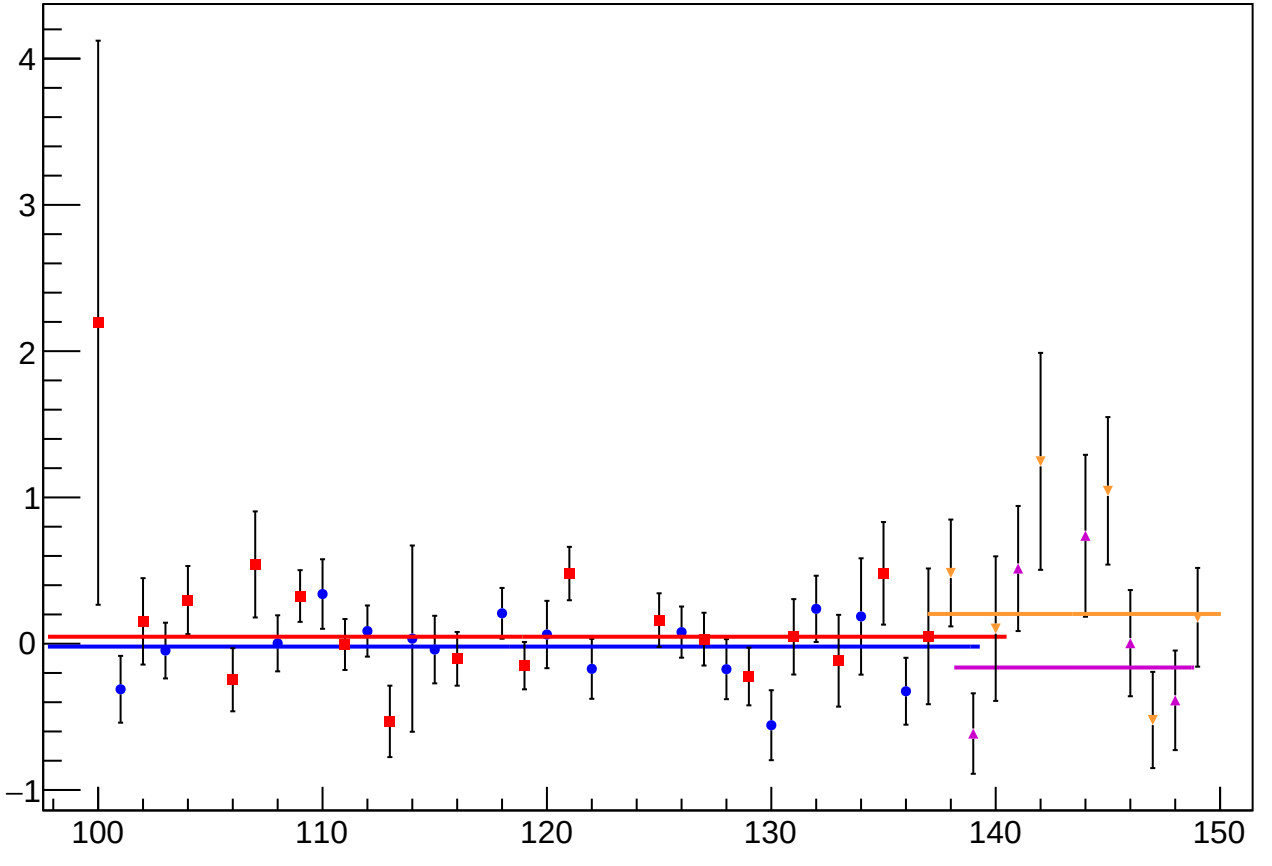
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1266452.2/20

Out: 0.000+/-0.000 χ^2/NDF:1591452.0/23

All: 0.000+/-0.000 χ^2/NDF: 2955362.2/44

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: 0.203+/-0.168 χ^2/NDF:10.3/5

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

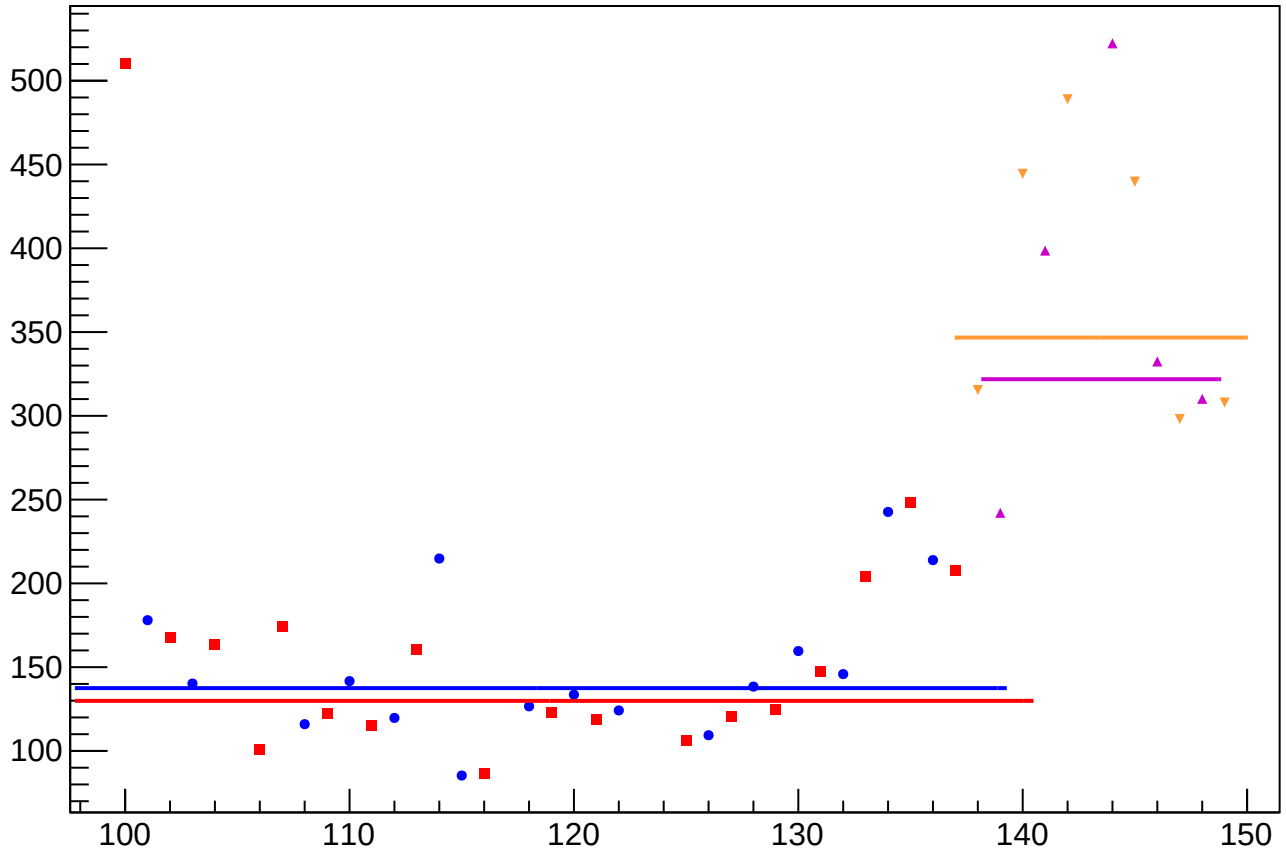
Left: 0.013+/-0.117 χ^2/NDF: 21.2/10

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.062+/-0.050 χ^2/NDF:37.3/23

All: 0.015+/-0.036 χ^2/NDF: 64.3/44



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 346.719+/-0.119 χ^2/NDF:304767.6/5

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: 333.821+/-0.082 χ^2/NDF: 826303.1/10

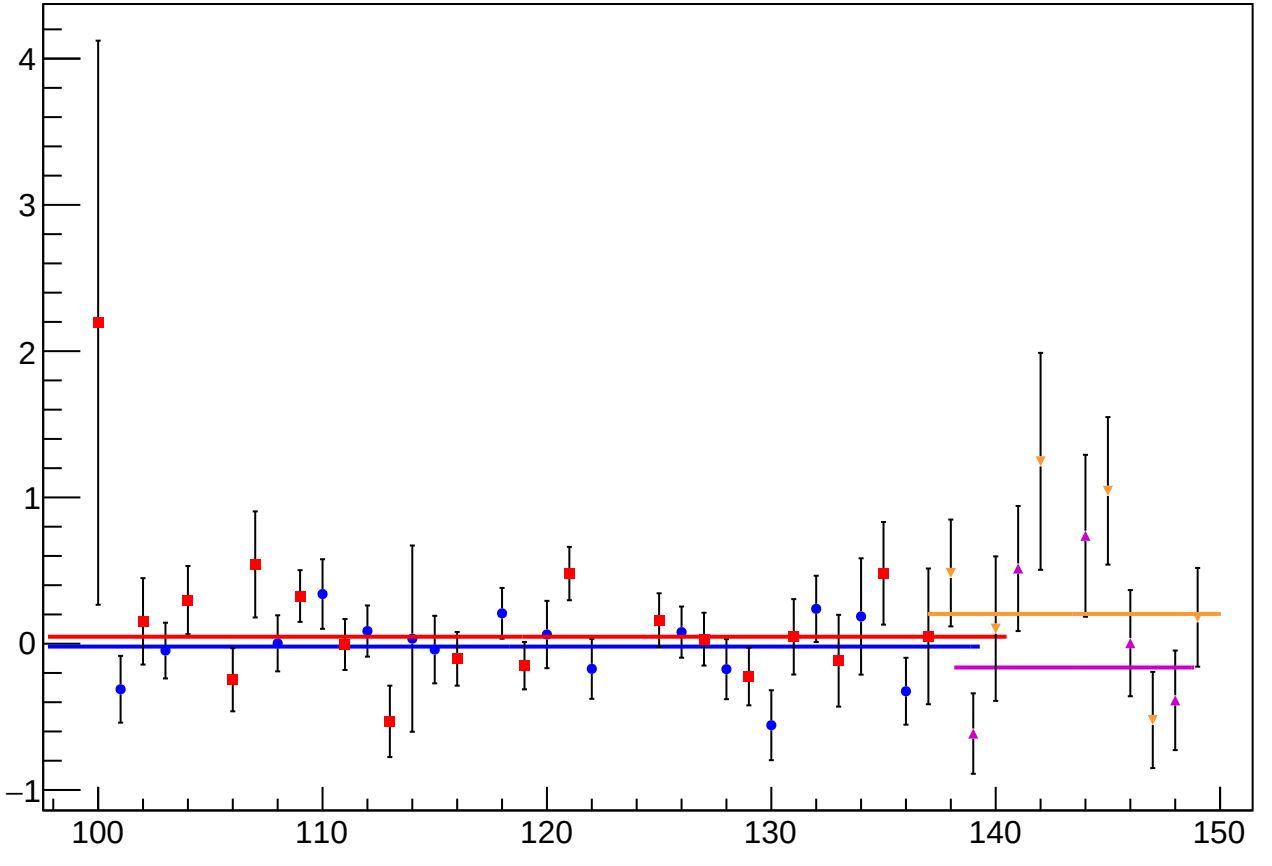
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 156.084+/-0.036 χ^2/NDF:3525041.2/20

Out: 149.141+/-0.035 χ^2/NDF:4168803.1/23

All: 152.524+/-0.025 χ^2/NDF: 7712551.0/44

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: 0.203+/-0.168 χ^2/NDF:10.3/5

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

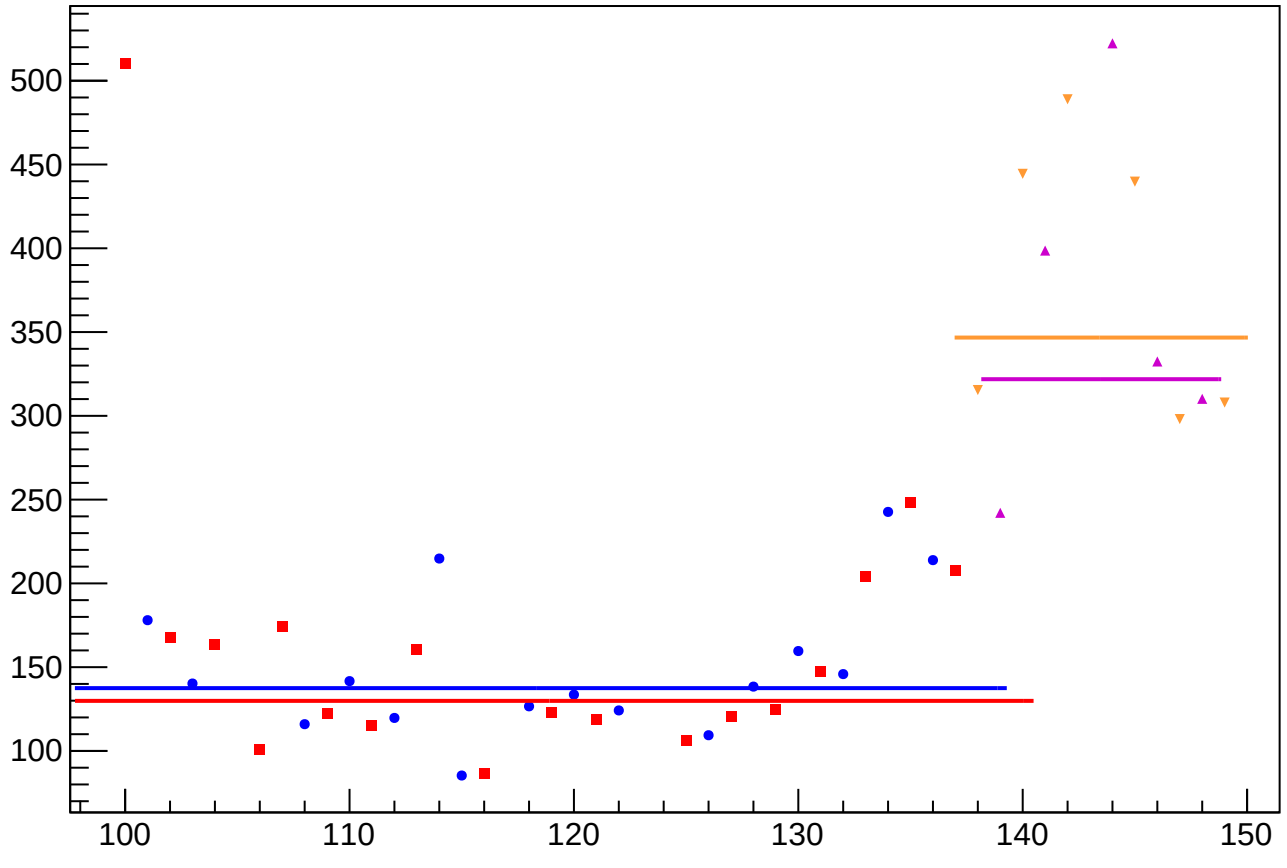
Left: 0.013+/-0.117 χ^2/NDF: 21.2/10

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.062+/-0.050 χ^2/NDF:37.3/23

All: 0.015+/-0.036 χ^2/NDF: 64.3/44



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 346.719+/-0.119 χ^2/NDF:304767.6/5

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.869+/-0.114 χ^2/NDF:498866.0/4

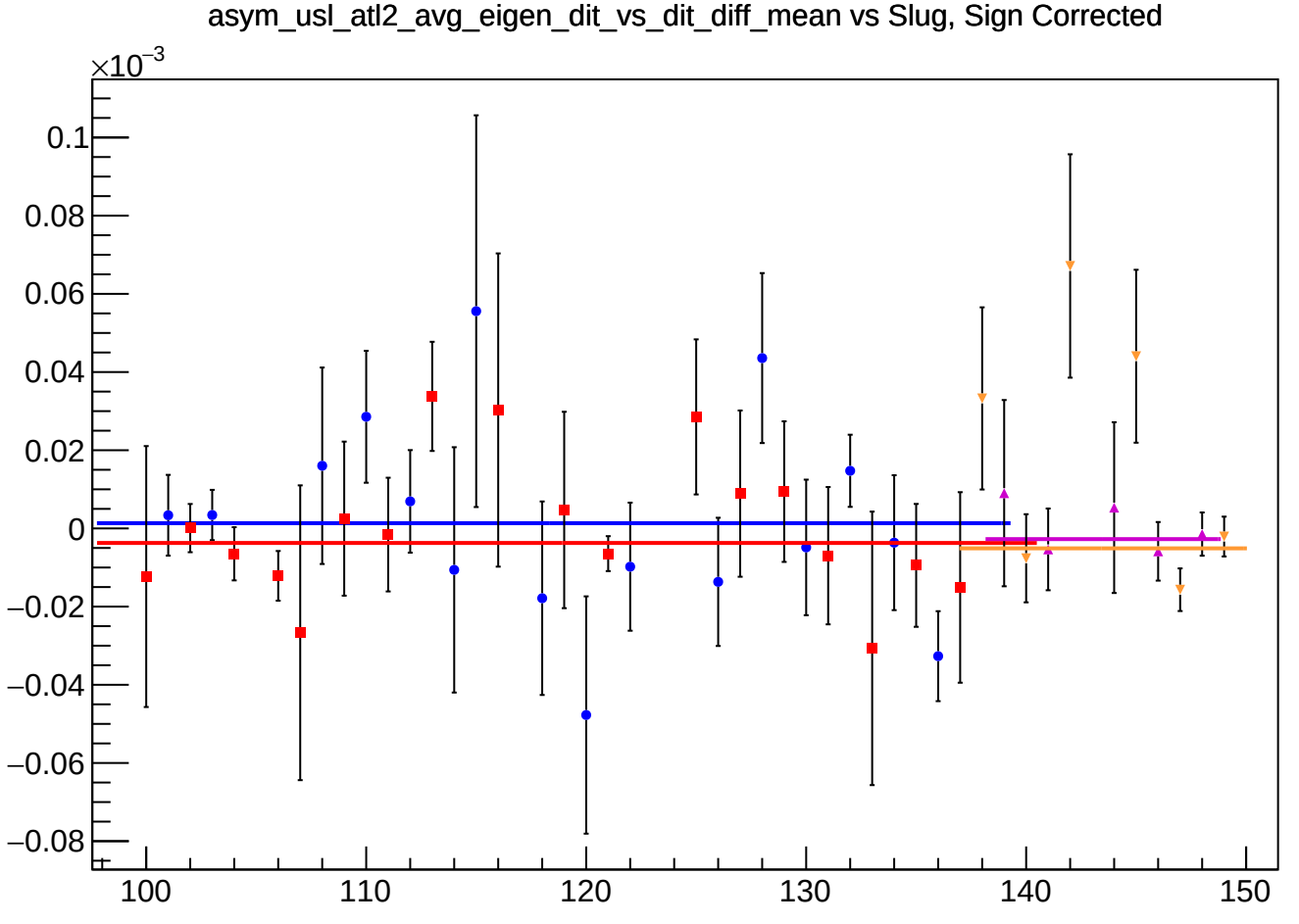
Left: 333.821+/-0.082 χ^2/NDF: 826303.1/10

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 156.084+/-0.036 χ^2/NDF:3525041.2/20

Out: 149.141+/-0.035 χ^2/NDF:4168803.1/23

All: 152.524+/-0.025 χ^2/NDF: 7712551.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

Left: -0.000+/-0.000 χ^2/NDF: 19.1/10

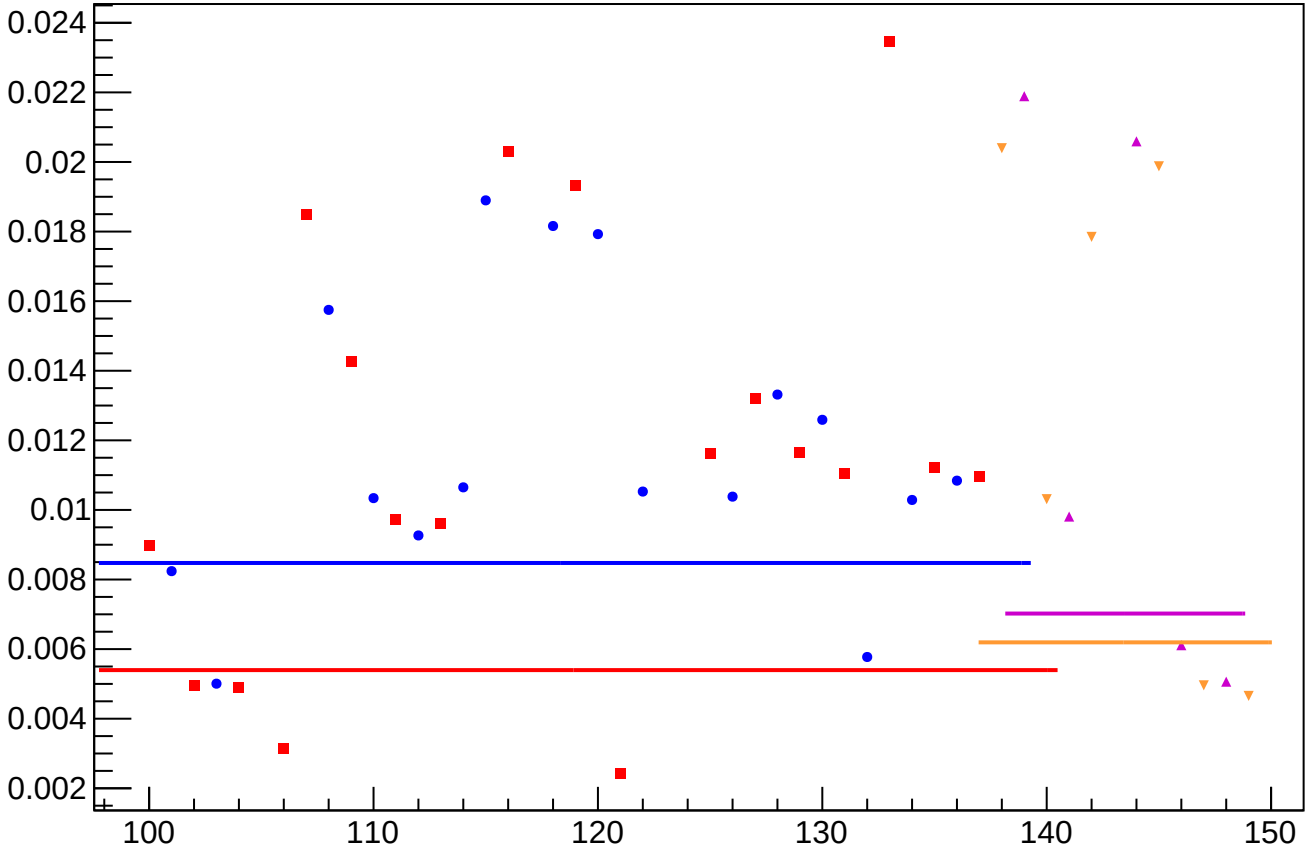
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:25.2/20

Out: -0.000+/-0.000 χ^2/NDF:34.1/23

All: -0.000+/-0.000 χ^2/NDF: 60.6/44

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: 0.006+/-0.000 χ^2/NDF:2392591.1/5

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: 4415460.9/10

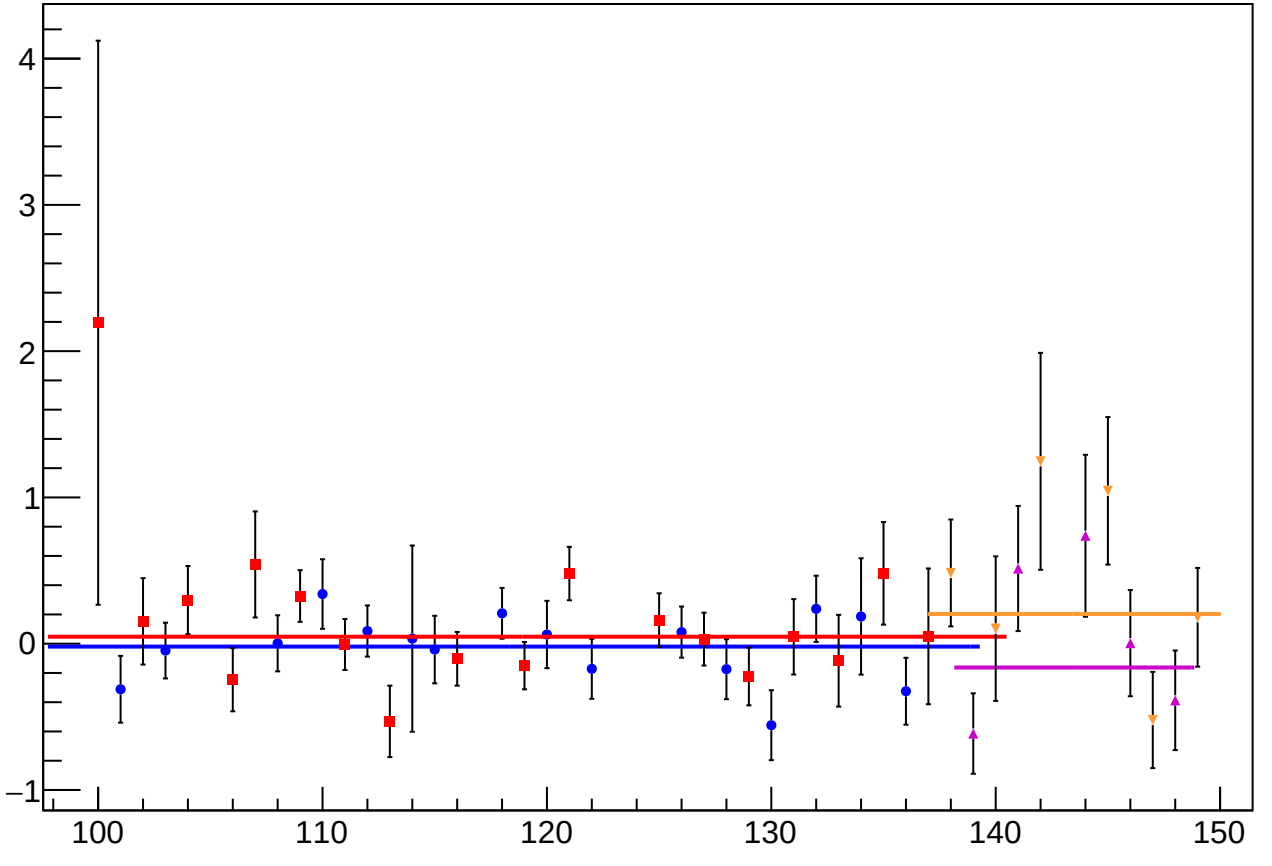
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.008+/-0.000 χ^2/NDF:4051901.0/20

Out: 0.006+/-0.000 χ^2/NDF:7371798.1/23

All: 0.007+/-0.000 χ^2/NDF: 12289125.1/44

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: 0.203+/-0.168 χ^2/NDF:10.3/5

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.163+/-0.162 χ^2/NDF:8.5/4

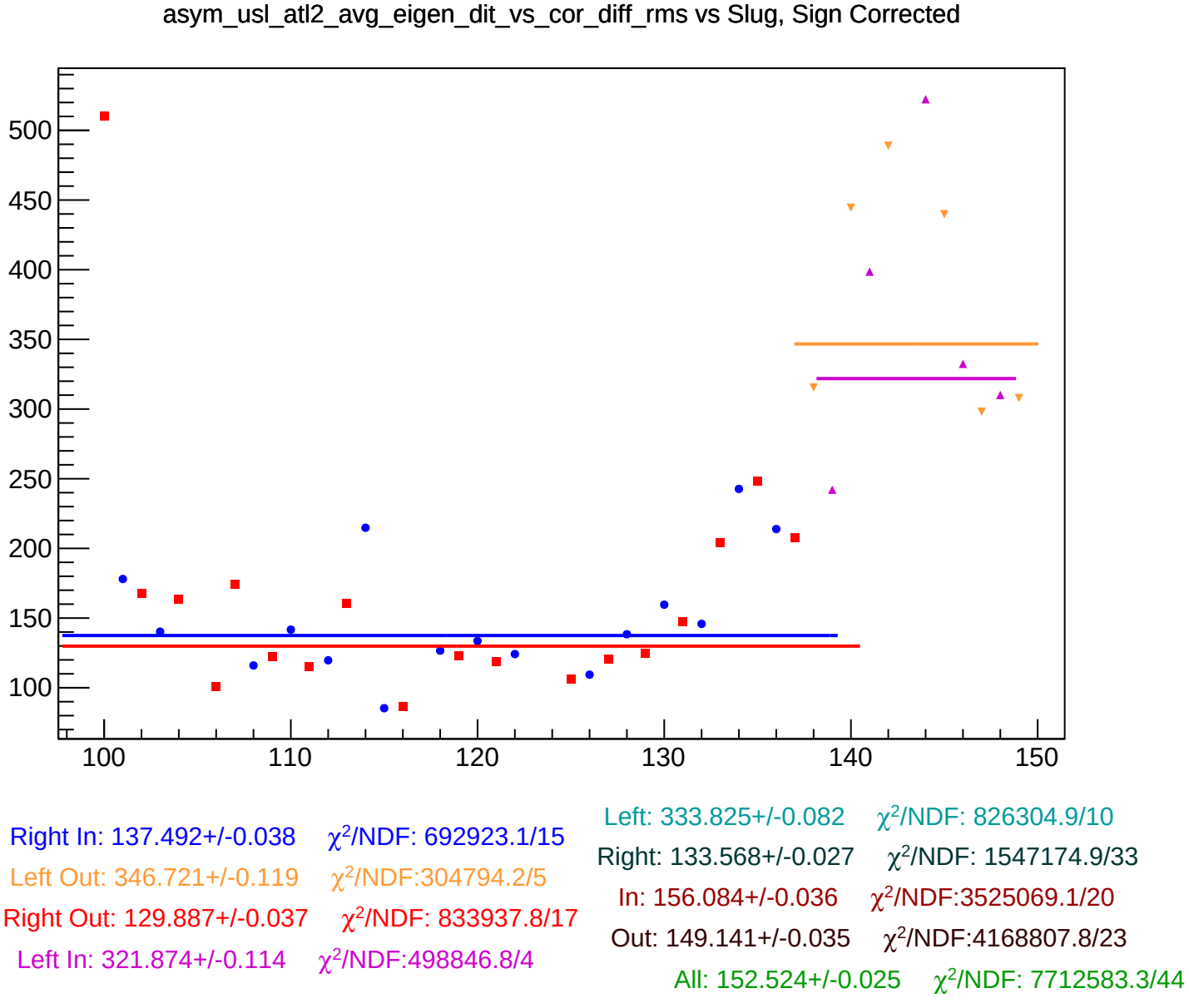
Left: 0.013+/-0.117 χ^2/NDF: 21.2/10

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

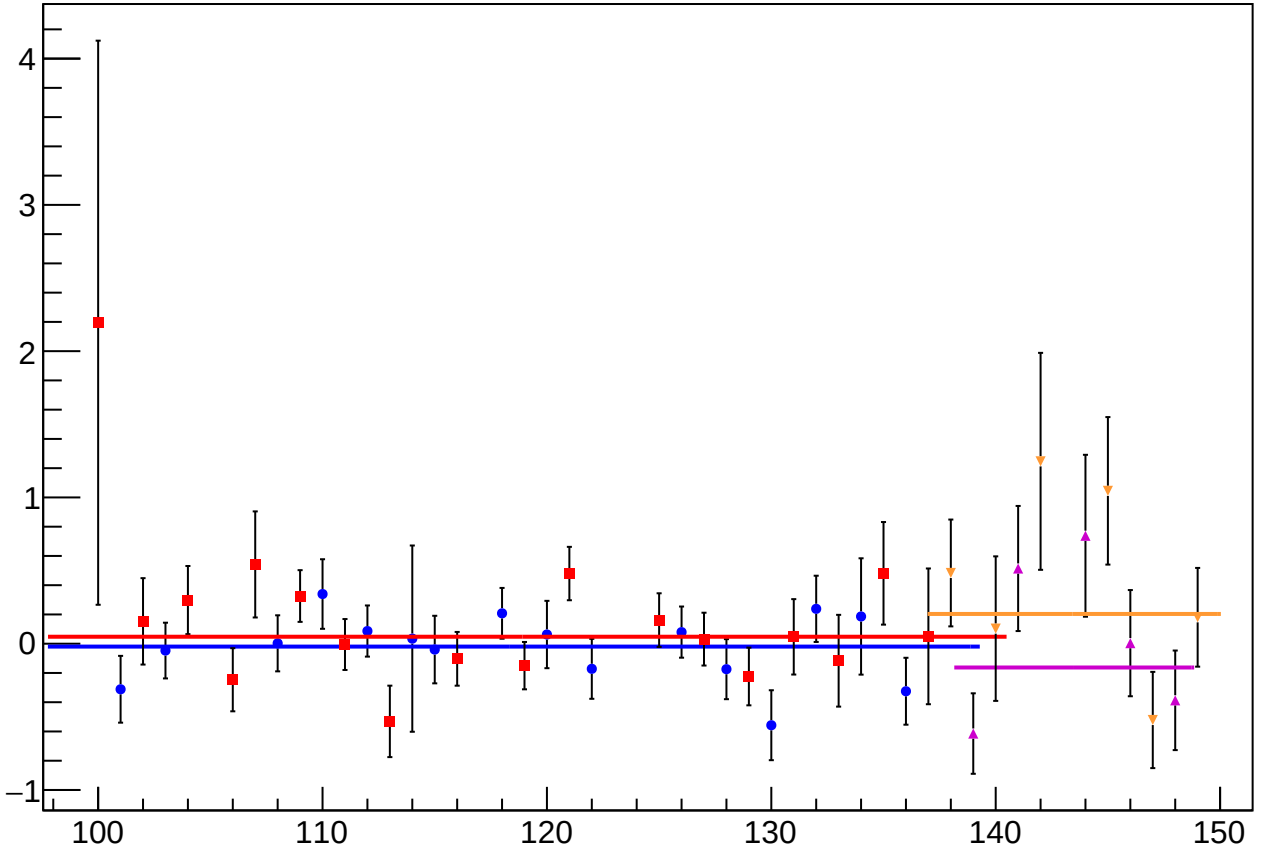
In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.062+/-0.050 χ^2/NDF:37.3/23

All: 0.015+/-0.036 χ^2/NDF: 64.3/44


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 346.721+/-0.119 χ²/NDF:304794.2/5
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 321.874+/-0.114 χ²/NDF:498846.8/4
Left: 333.825+/-0.082 χ²/NDF: 826304.9/10
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 156.084+/-0.036 χ²/NDF:3525069.1/20
Out: 149.141+/-0.035 χ²/NDF:4168807.8/23
All: 152.524+/-0.025 χ²/NDF: 7712583.3/44

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: 0.203+/-0.168 χ^2/NDF:10.3/5

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: 0.013+/-0.117 χ^2/NDF: 21.2/10

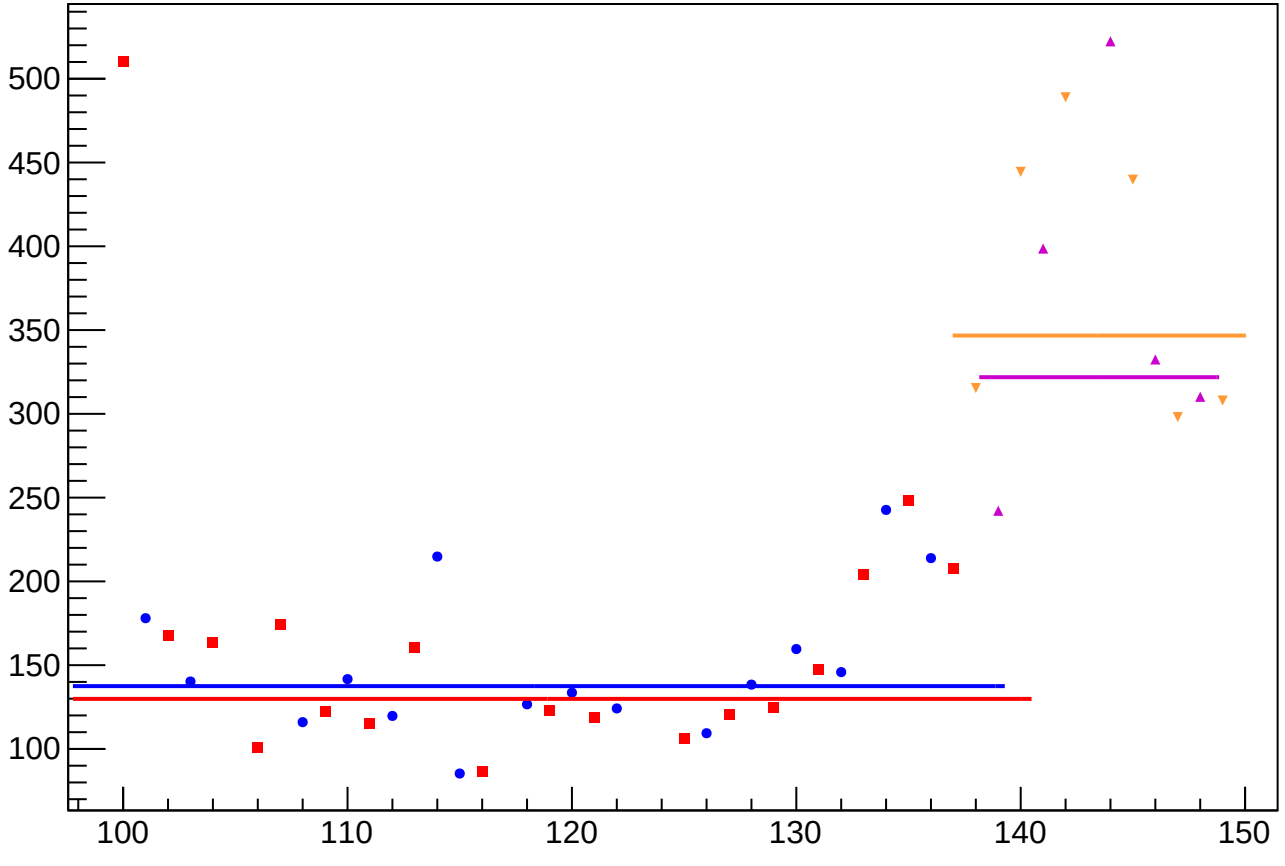
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.051 χ^2/NDF:25.2/20

Out: 0.062+/-0.050 χ^2/NDF:37.3/23

All: 0.015+/-0.036 χ^2/NDF: 64.3/44

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 346.721+/-0.119 χ^2/NDF:304794.2/5

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.874+/-0.114 χ^2/NDF:498846.8/4

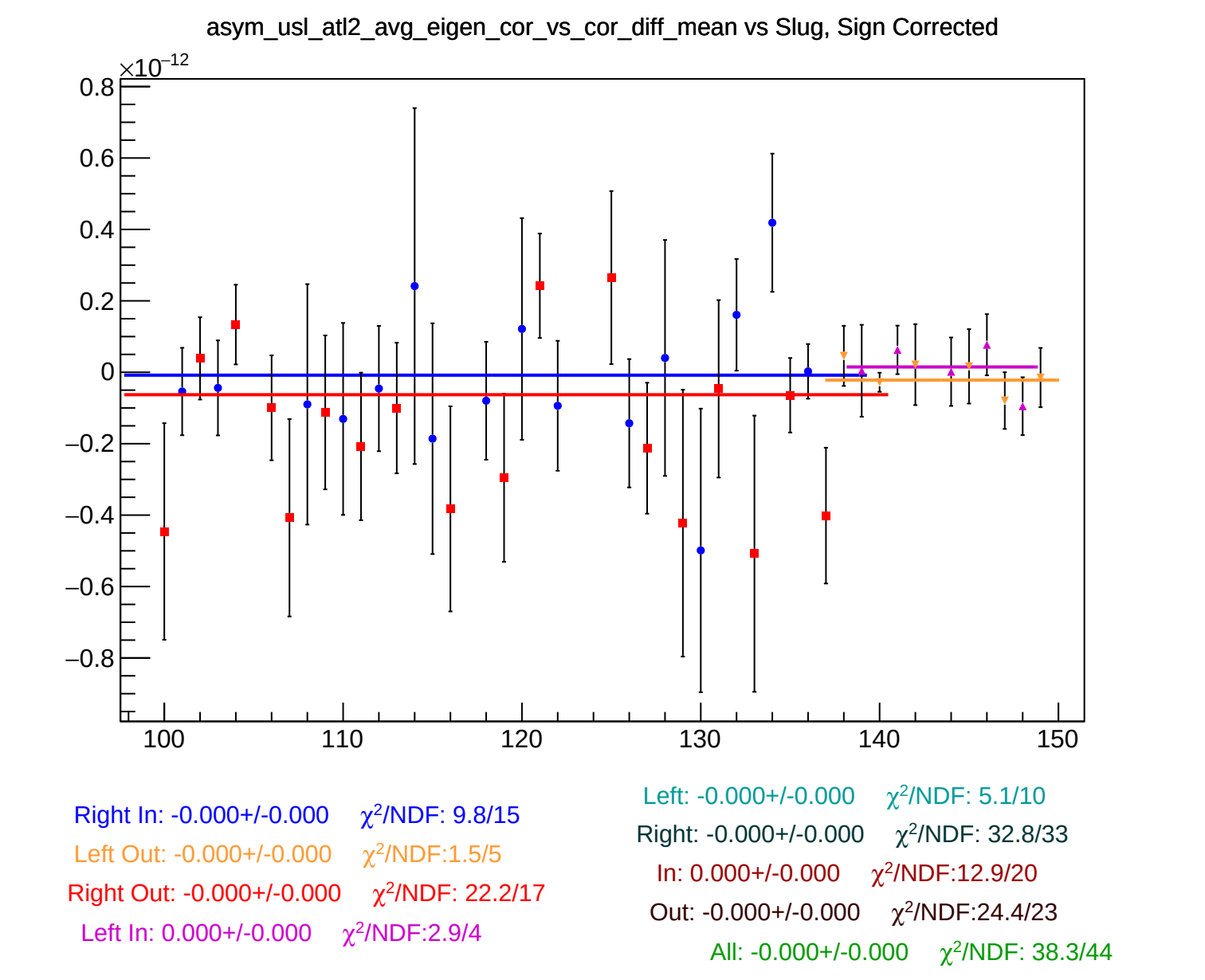
Left: 333.825+/-0.082 χ^2/NDF: 826304.9/10

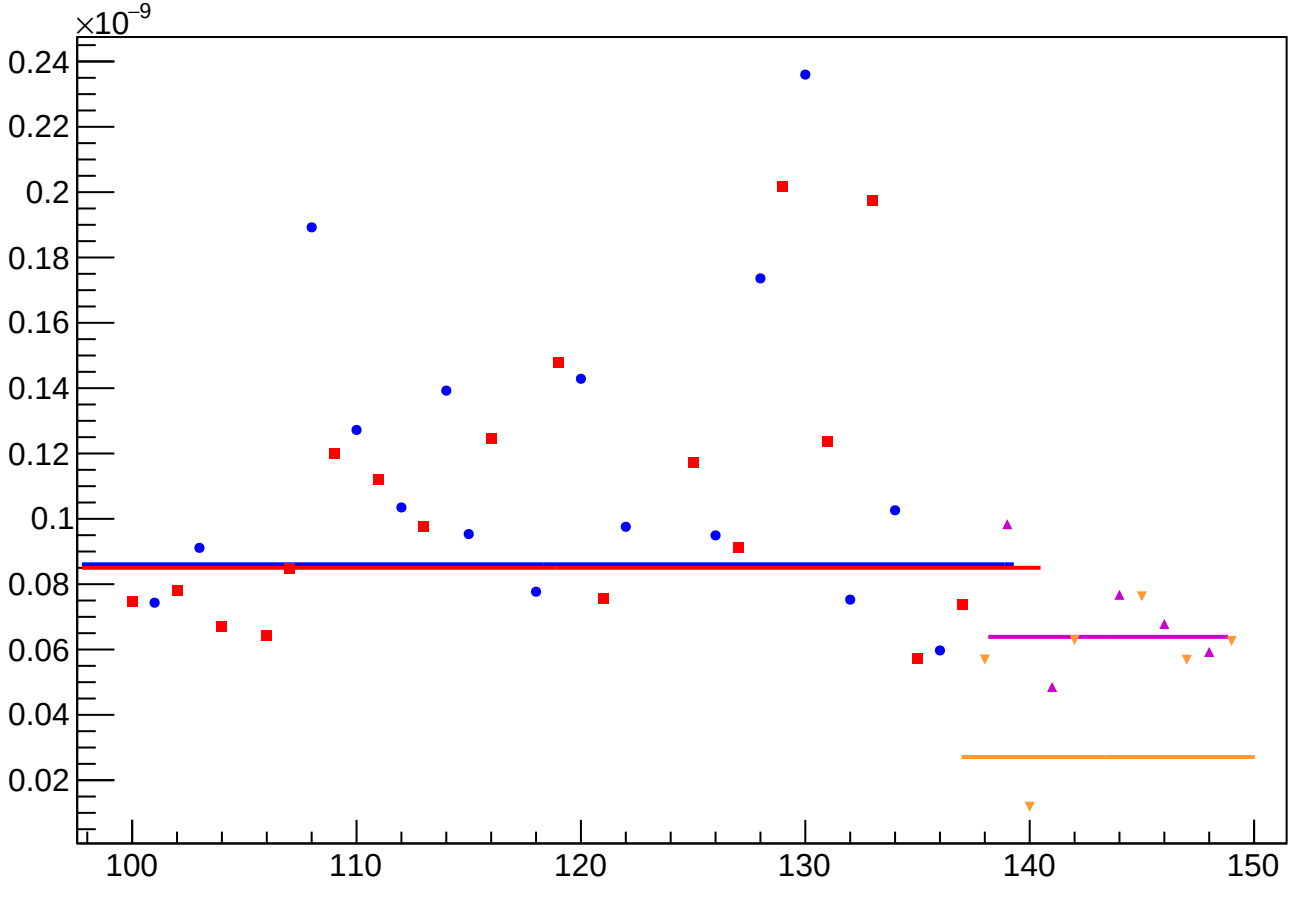
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 156.084+/-0.036 χ^2/NDF:3525069.1/20

Out: 149.141+/-0.035 χ^2/NDF:4168807.8/23

All: 152.524+/-0.025 χ^2/NDF: 7712583.3/44


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: 0.000+/-0.000 χ²/NDF:2.9/4
Left: -0.000+/-0.000 χ²/NDF: 5.1/10
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: 0.000+/-0.000 χ²/NDF:12.9/20
Out: -0.000+/-0.000 χ²/NDF:24.4/23
All: -0.000+/-0.000 χ²/NDF: 38.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2192960.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:292621.2/4

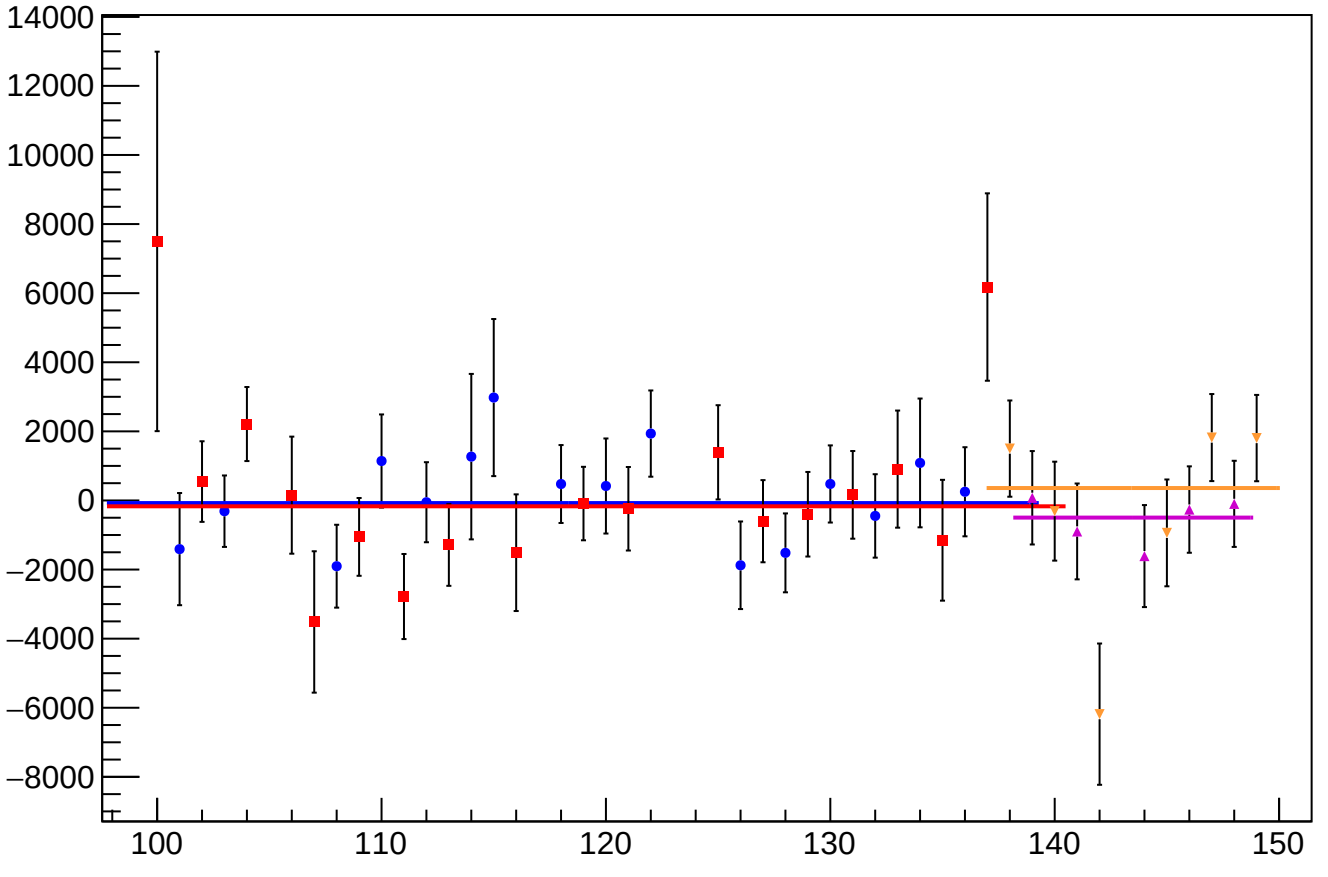
Left: 0.000+/-0.000 χ^2/NDF: 3852686.7/10

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:6176030.7/23

All: 0.000+/-0.000 χ^2/NDF: 9764639.1/44



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 359.475+/-584.049 χ^2/NDF:14.5/5

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: -59.195+/-417.388 χ^2/NDF: 16.5/10

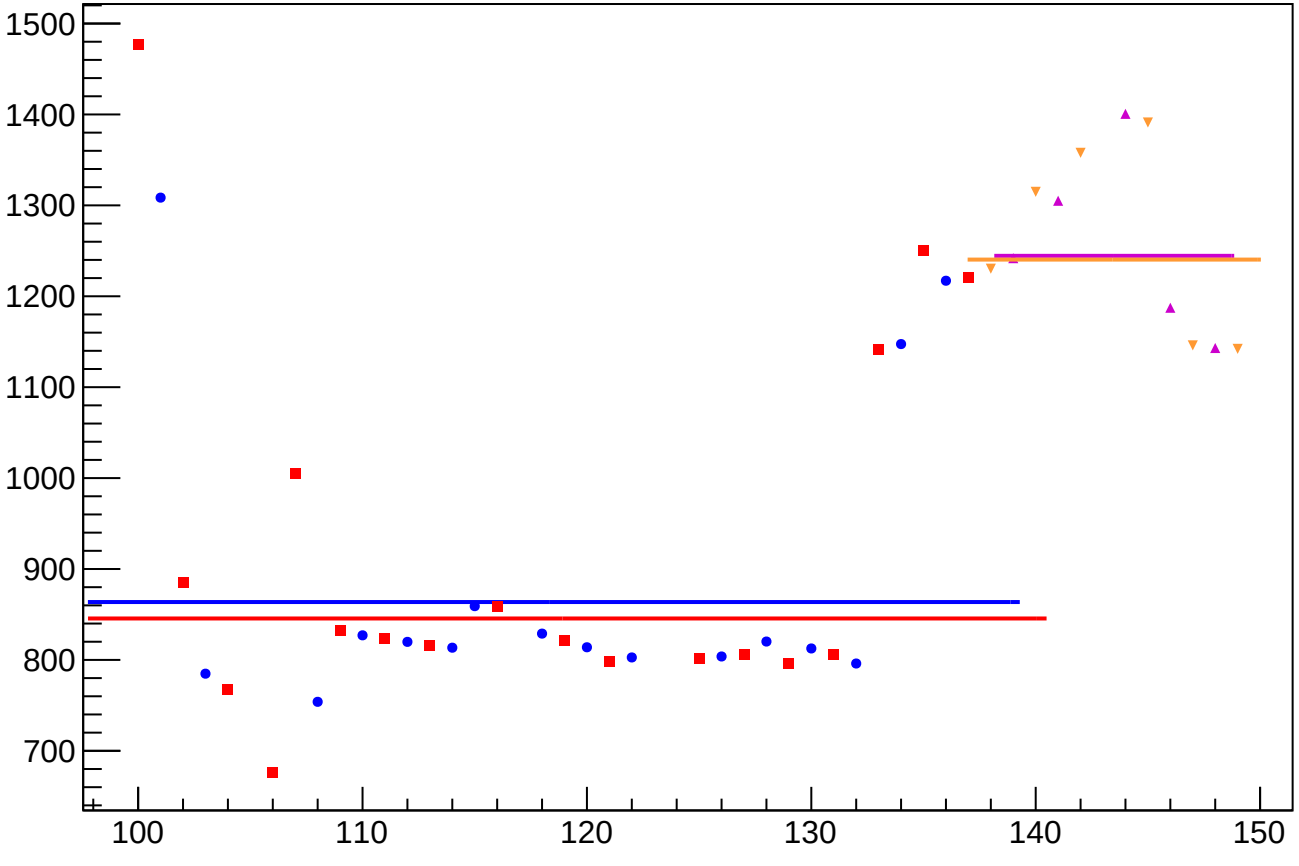
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -172.653+/-286.241 χ^2/NDF:14.7/20

Out: -46.176+/-281.868 χ^2/NDF:39.5/23

All: -108.441+/-200.839 χ^2/NDF: 54.3/44

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1240.358+/-0.413 χ^2/NDF:54731.8/5

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: 1242.377+/-0.295 χ^2/NDF: 98385.4/10

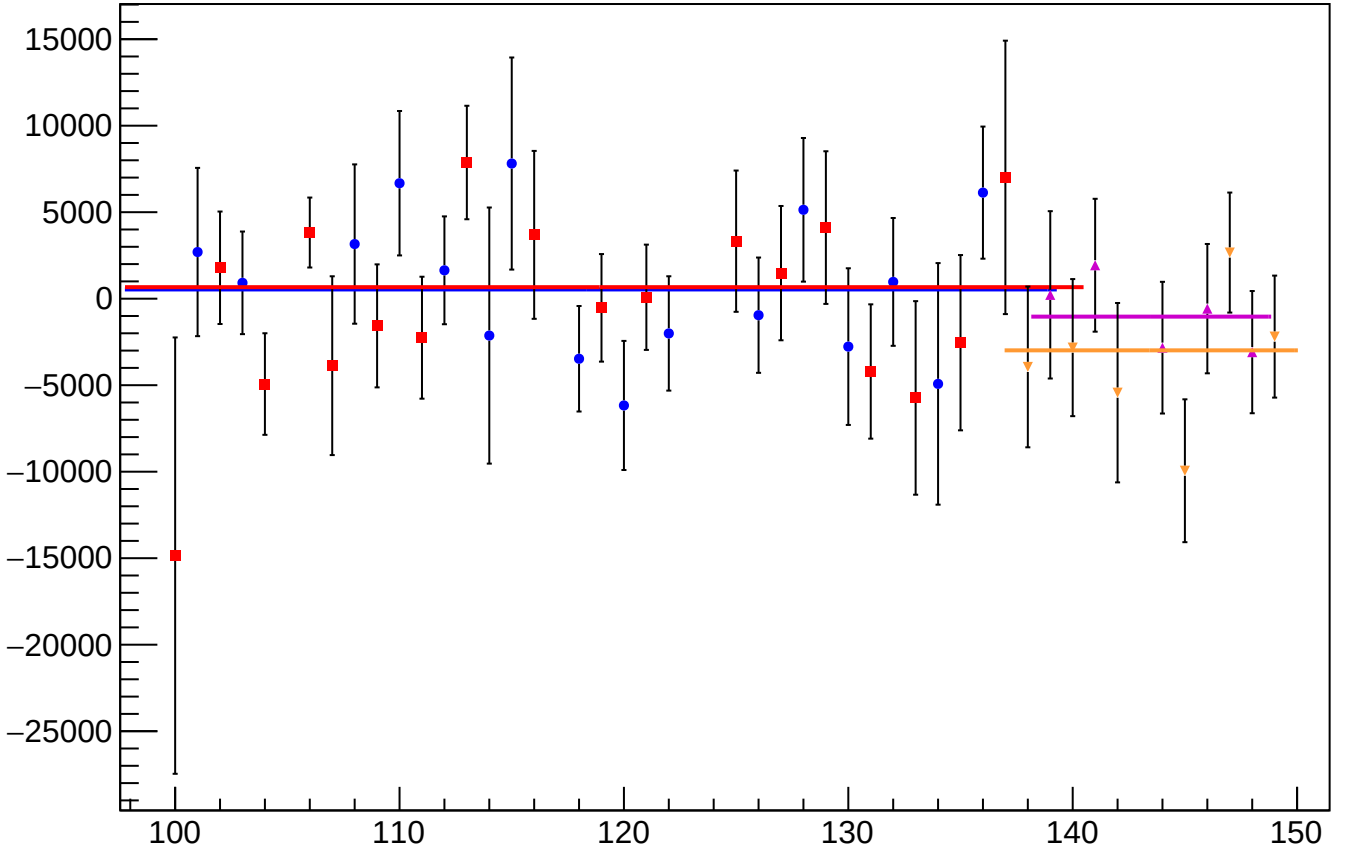
Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 951.294+/-0.202 χ^2/NDF:1078269.4/20

Out: 935.785+/-0.197 χ^2/NDF:1067485.5/23

All: 943.346+/-0.141 χ^2/NDF: 2148763.9/44

asym_usl_atl2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -2985.891+/-1645.215 χ^2/NDF:5.8/5

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1036.829+/-1737.374 χ^2/NDF:1.2/4

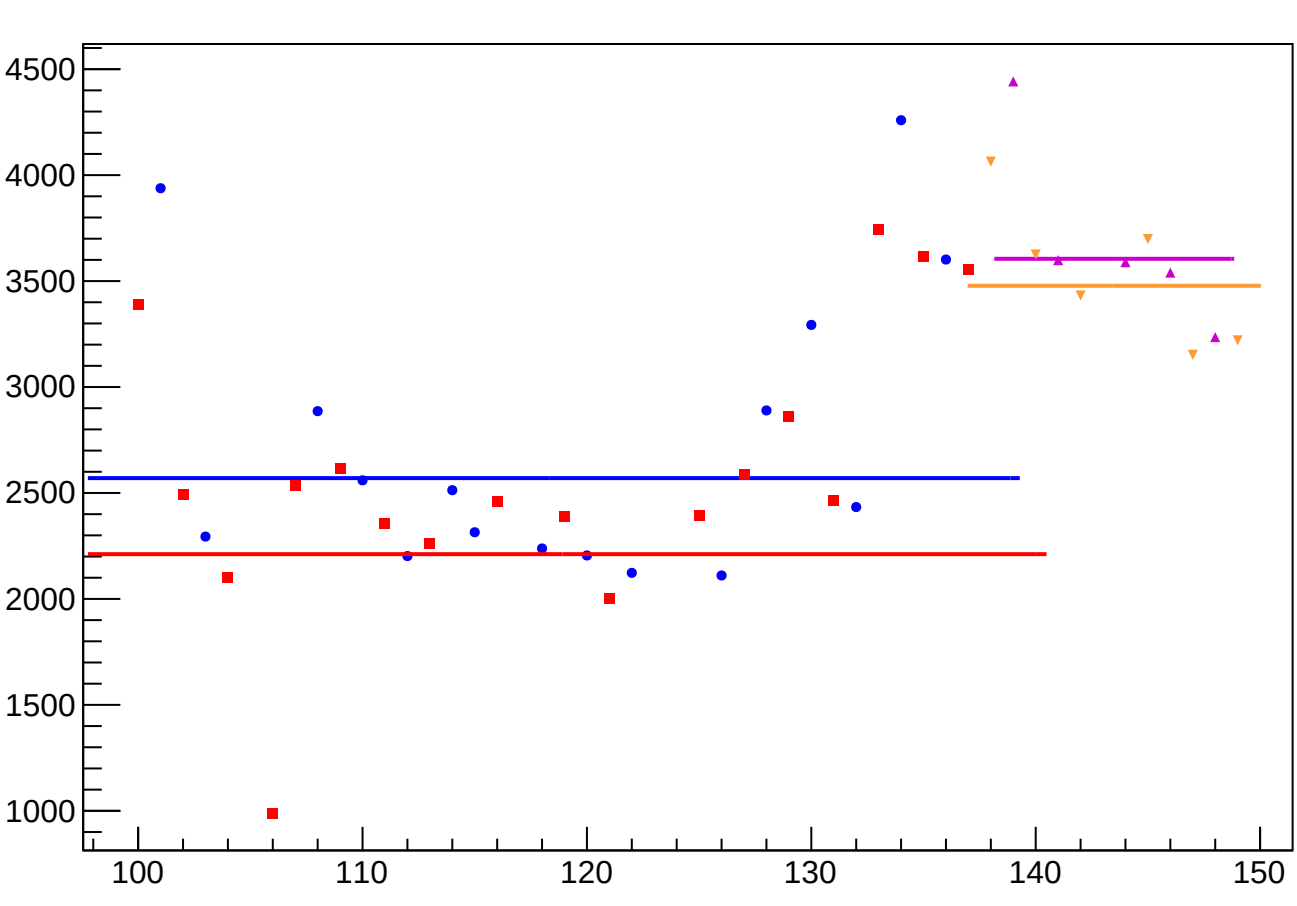
Left: -2064.424+/-1194.595 χ^2/NDF: 7.7/10

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 154.468+/-854.423 χ^2/NDF:16.5/20

Out: -124.927+/-765.607 χ^2/NDF:29.6/23

All: -0.501+/-570.189 χ^2/NDF: 46.2/44



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3477.823+/-1.163 χ^2/NDF:68725.7/5

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3605.126+/-1.229 χ^2/NDF:82448.5/4

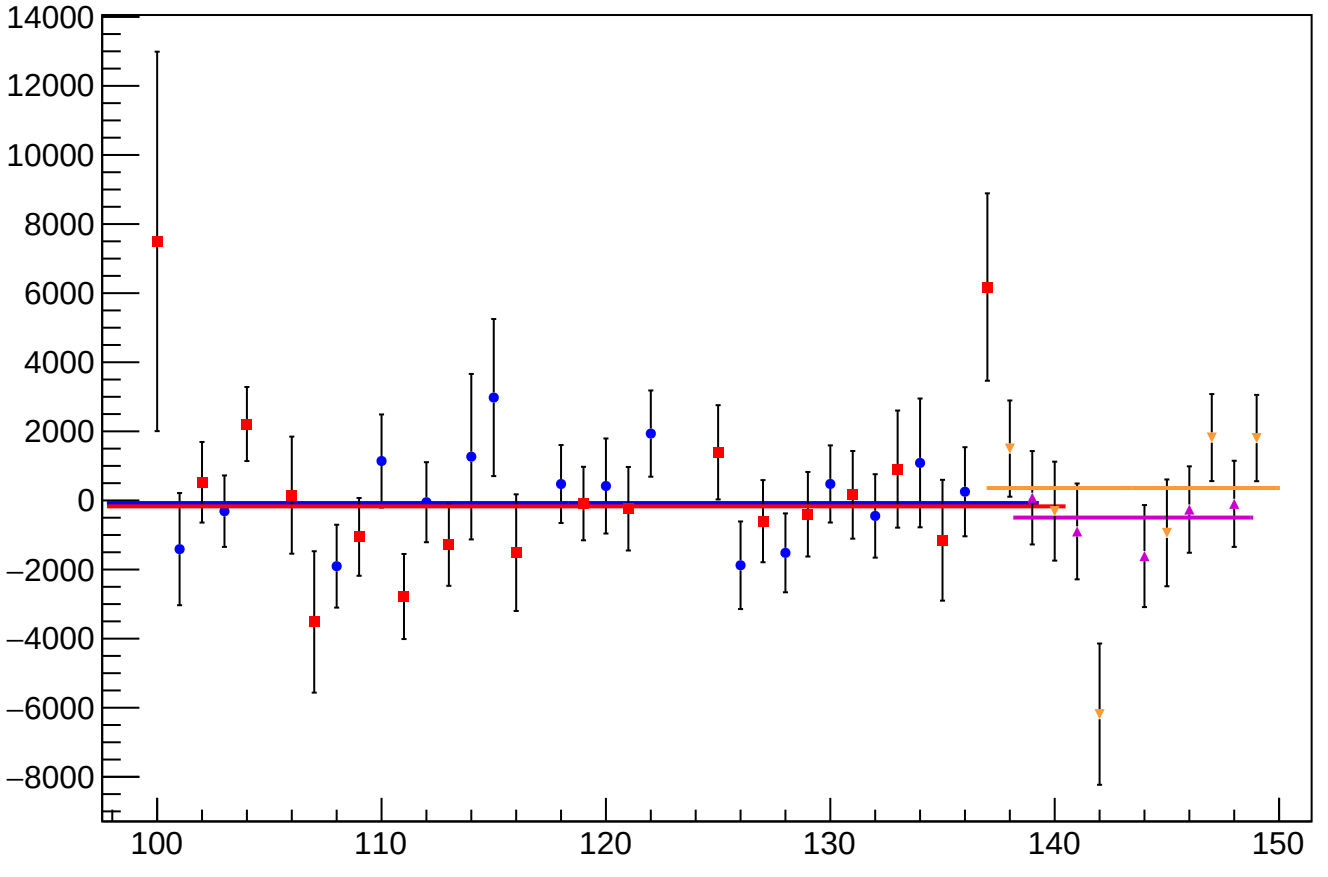
Left: 3538.009+/-0.845 χ^2/NDF: 156835.5/10

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2820.455+/-0.604 χ^2/NDF:1283032.3/20

Out: 2485.547+/-0.541 χ^2/NDF:2261440.2/23

All: 2634.695+/-0.403 χ^2/NDF: 3714909.1/44



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 359.423+/-584.049 χ^2/NDF:14.5/5

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: -59.224+/-417.388 χ^2/NDF: 16.5/10

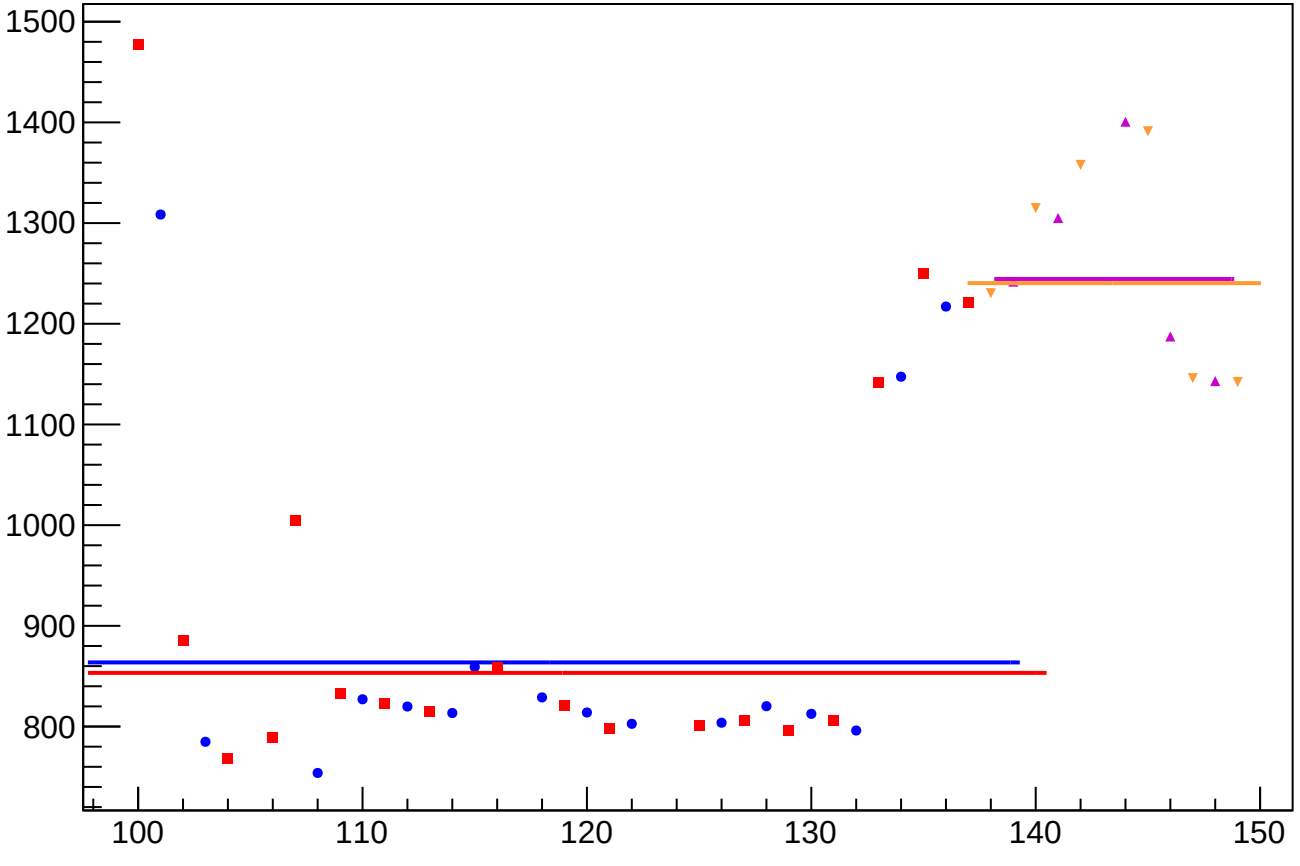
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -172.714+/-286.241 χ^2/NDF:14.7/20

Out: -47.442+/-281.871 χ^2/NDF:39.5/23

All: -109.114+/-200.840 χ^2/NDF: 54.3/44

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1240.358+/-0.413 χ^2/NDF:54731.8/5

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

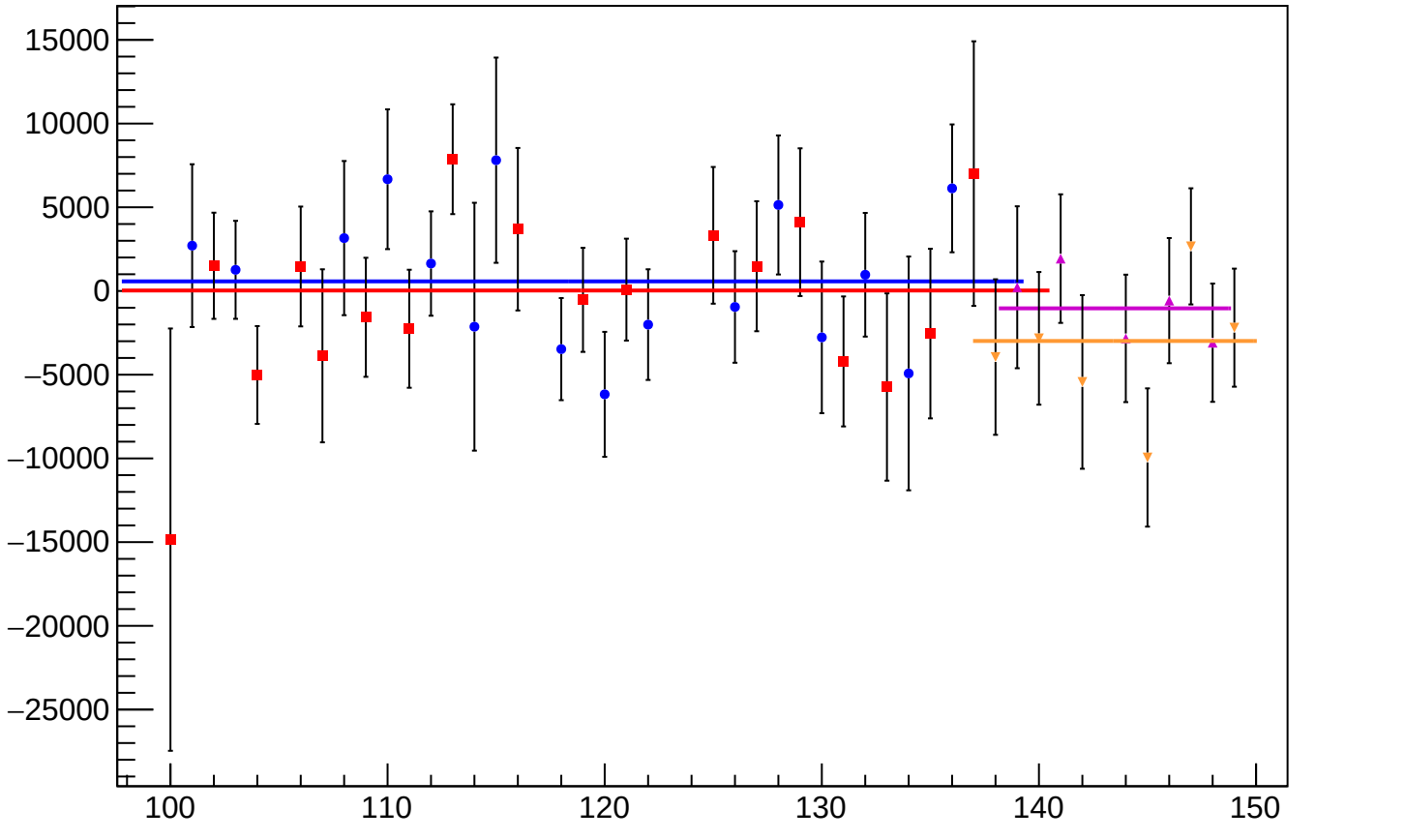
Left: 1242.377+/-0.295 χ^2/NDF: 98385.4/10

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 951.294+/-0.202 χ^2/NDF:1078269.3/20

Out: 942.730+/-0.199 χ^2/NDF:1005536.9/23

All: 946.929+/-0.142 χ^2/NDF: 2084718.6/44



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2985.938+/-1645.214 χ^2/NDF:5.8/5

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1036.808+/-1737.373 χ^2/NDF:1.2/4

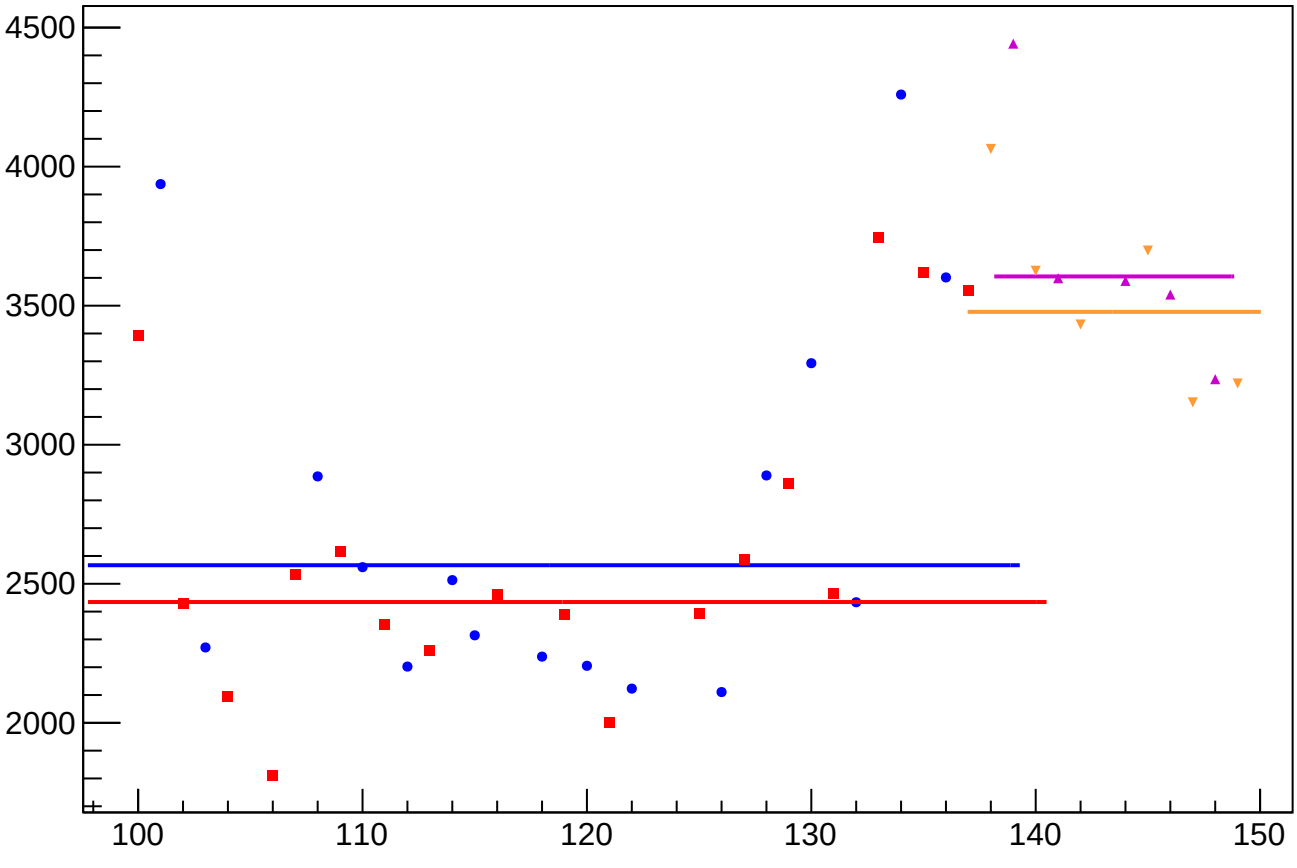
Left: -2064.437+/-1194.594 χ^2/NDF: 7.7/10

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 186.009+/-853.476 χ^2/NDF:16.6/20

Out: -692.013+/-804.385 χ^2/NDF:25.6/23

All: -278.978+/-585.372 χ^2/NDF: 42.7/44



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3477.822+/-1.163 χ^2/NDF:68725.0/5

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

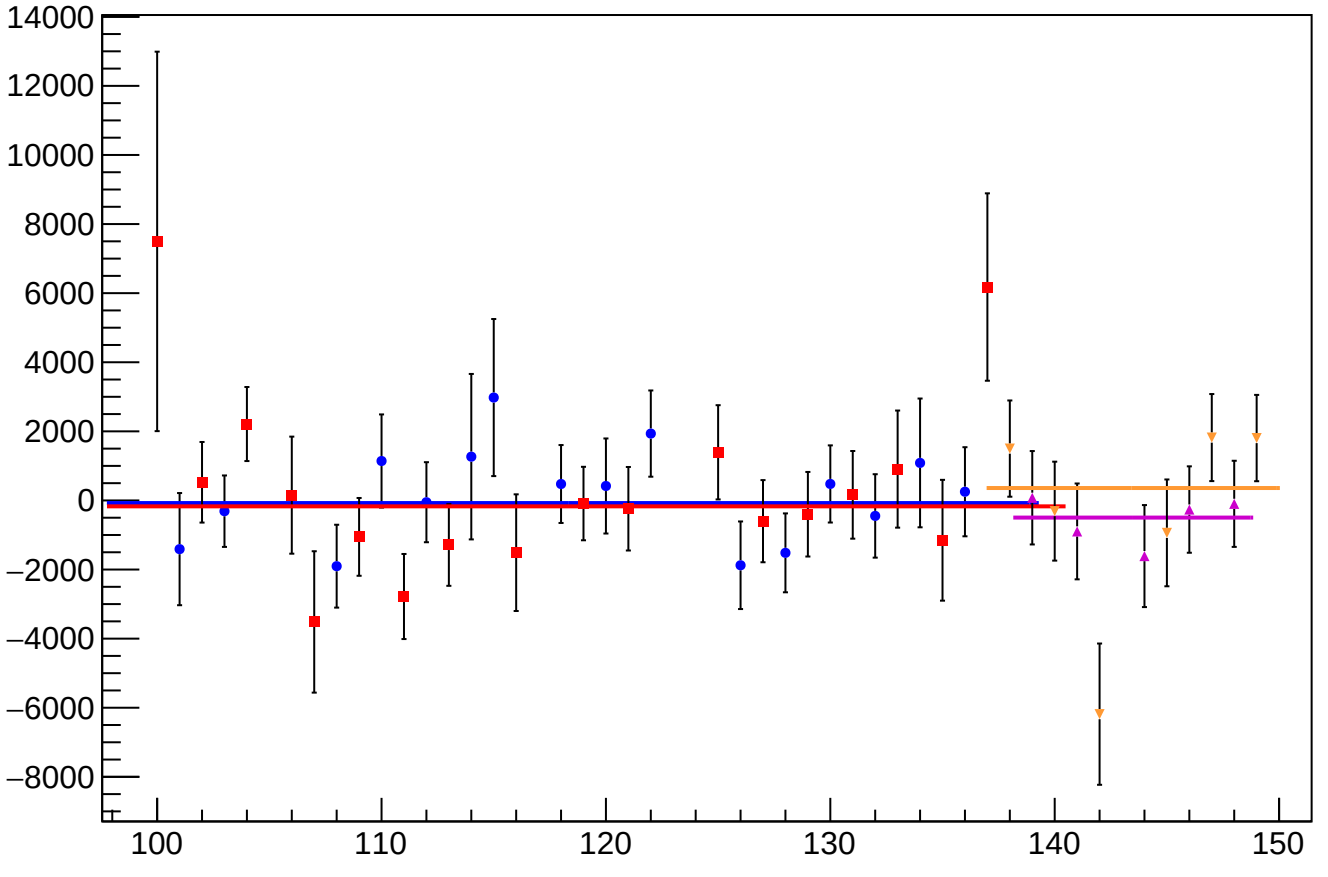
Left: 3538.007+/-0.845 χ^2/NDF: 156834.2/10

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2817.319+/-0.603 χ^2/NDF:1290349.9/20

Out: 2683.850+/-0.569 χ^2/NDF:1114926.1/23

All: 2746.636+/-0.414 χ^2/NDF: 2431178.6/44



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 359.423+/-584.049 χ^2/NDF:14.5/5

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -496.211+/-596.705 χ^2/NDF:1.0/4

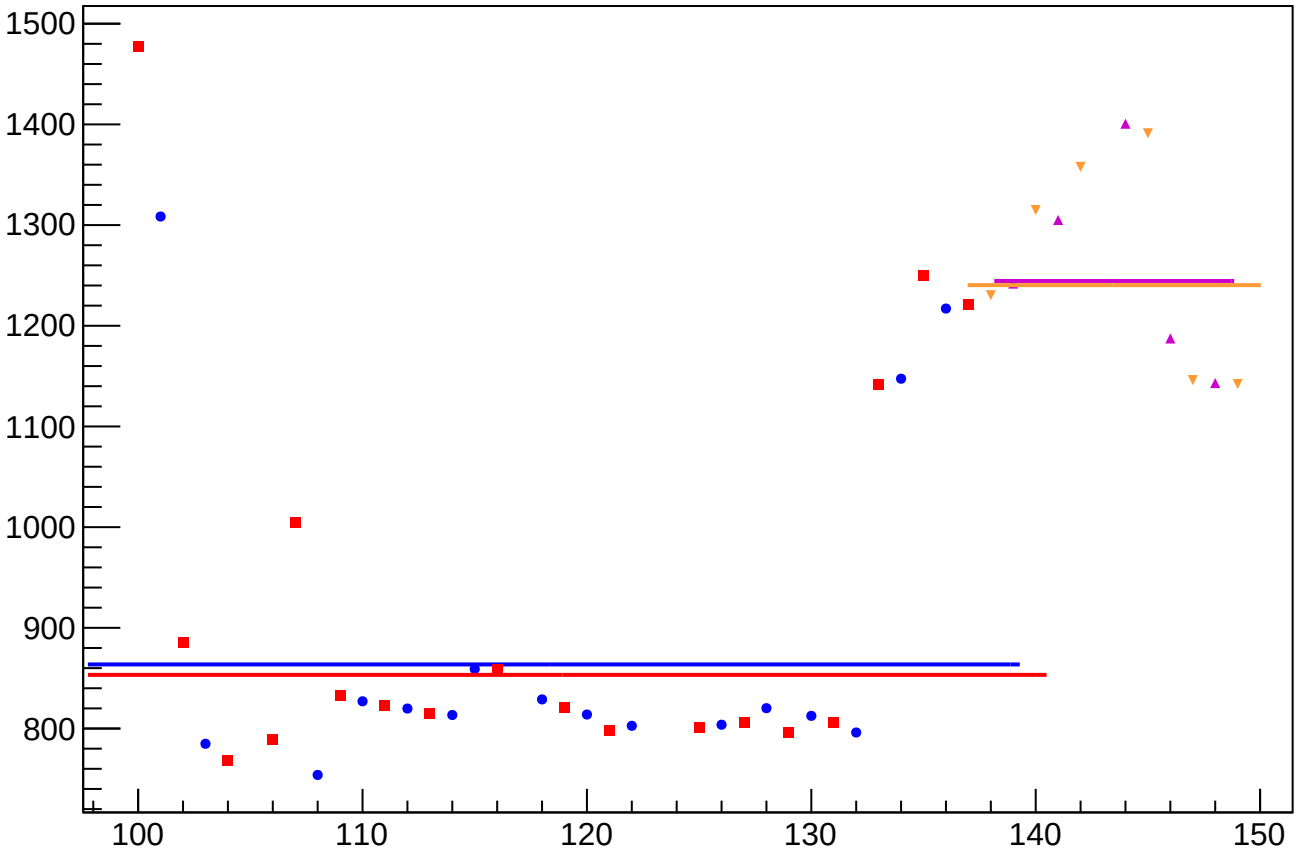
Left: -59.224+/-417.388 χ^2/NDF: 16.5/10

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -172.714+/-286.241 χ^2/NDF:14.7/20

Out: -47.442+/-281.871 χ^2/NDF:39.5/23

All: -109.114+/-200.840 χ^2/NDF: 54.3/44



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1240.358+/-0.413 χ^2/NDF:54731.8/5

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1244.484+/-0.422 χ^2/NDF:43604.7/4

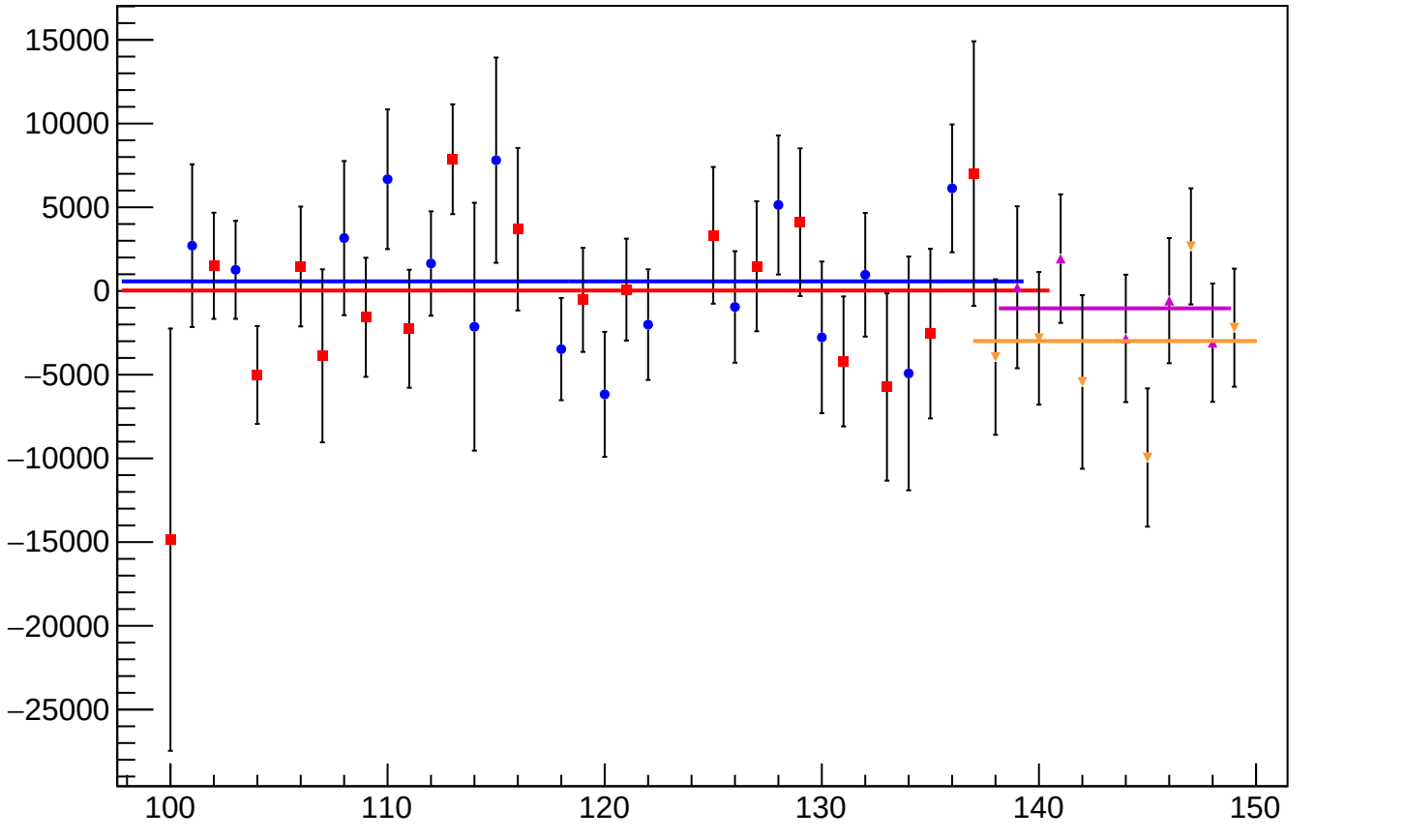
Left: 1242.377+/-0.295 χ^2/NDF: 98385.4/10

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 951.294+/-0.202 χ^2/NDF:1078269.3/20

Out: 942.730+/-0.199 χ^2/NDF:1005536.9/23

All: 946.929+/-0.142 χ^2/NDF: 2084718.6/44



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2985.938+/-1645.214 χ^2/NDF:5.8/5

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: -2064.437+/-1194.594 χ^2/NDF: 7.7/10

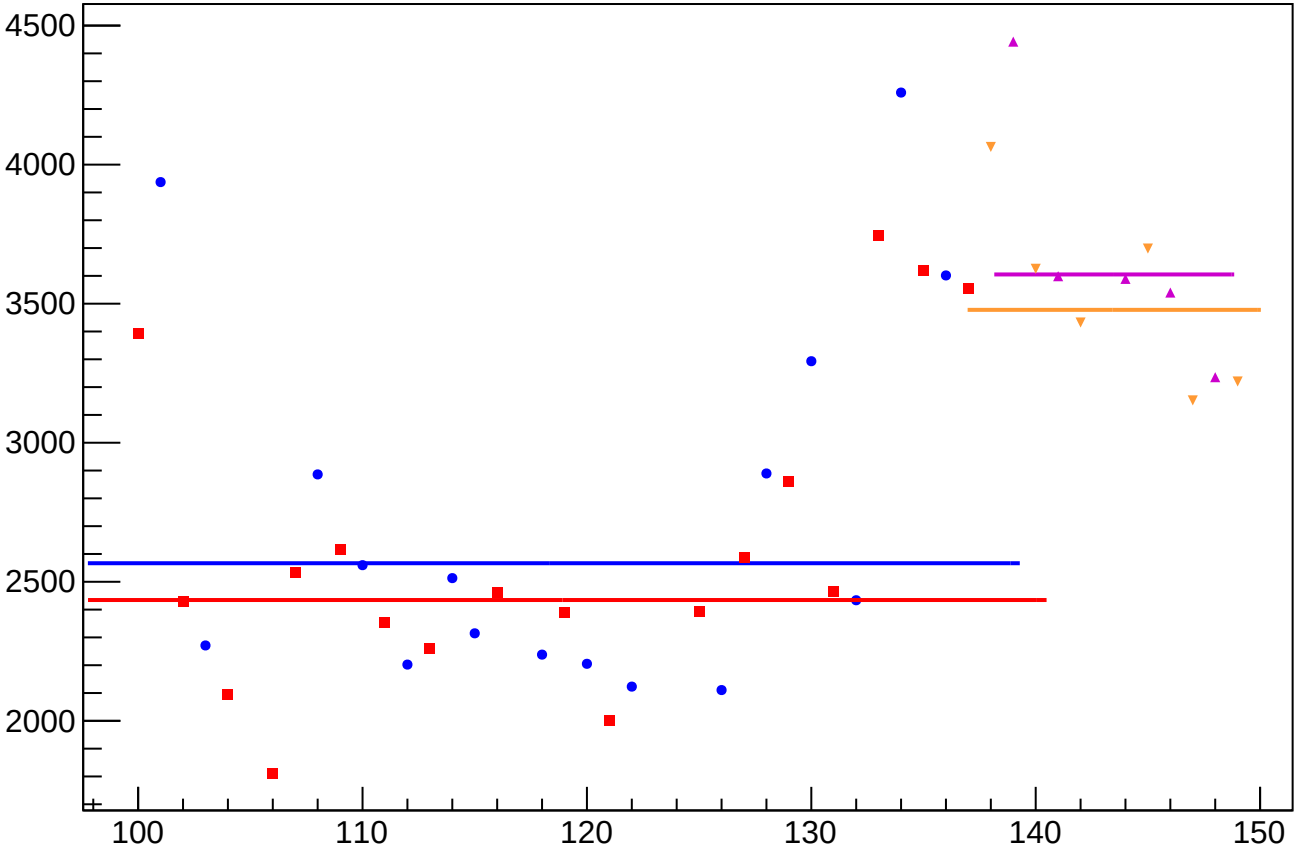
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 186.009+/-853.476 χ^2/NDF:16.6/20

Out: -692.013+/-804.385 χ^2/NDF:25.6/23

All: -278.978+/-585.372 χ^2/NDF: 42.7/44

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3477.822+/-1.163 χ^2/NDF:68725.0/5

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3605.123+/-1.229 χ^2/NDF:82448.0/4

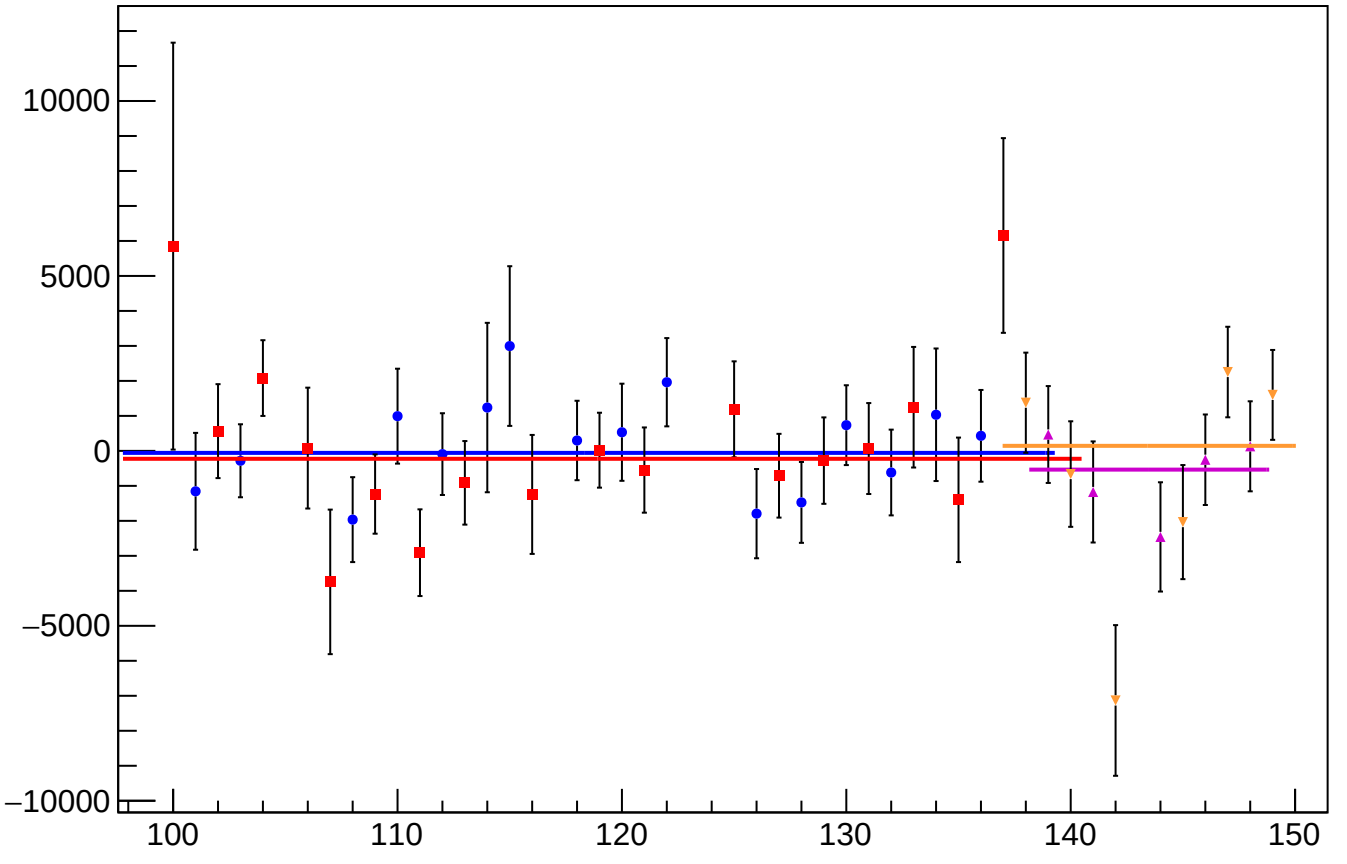
Left: 3538.007+/-0.845 χ^2/NDF: 156834.2/10

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2817.319+/-0.603 χ^2/NDF:1290349.9/20

Out: 2683.850+/-0.569 χ^2/NDF:1114926.1/23

All: 2746.636+/-0.414 χ^2/NDF: 2431178.6/44



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 144.032+/-606.017 χ^2/NDF:18.2/5

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -535.510+/-618.654 χ^2/NDF:2.6/4

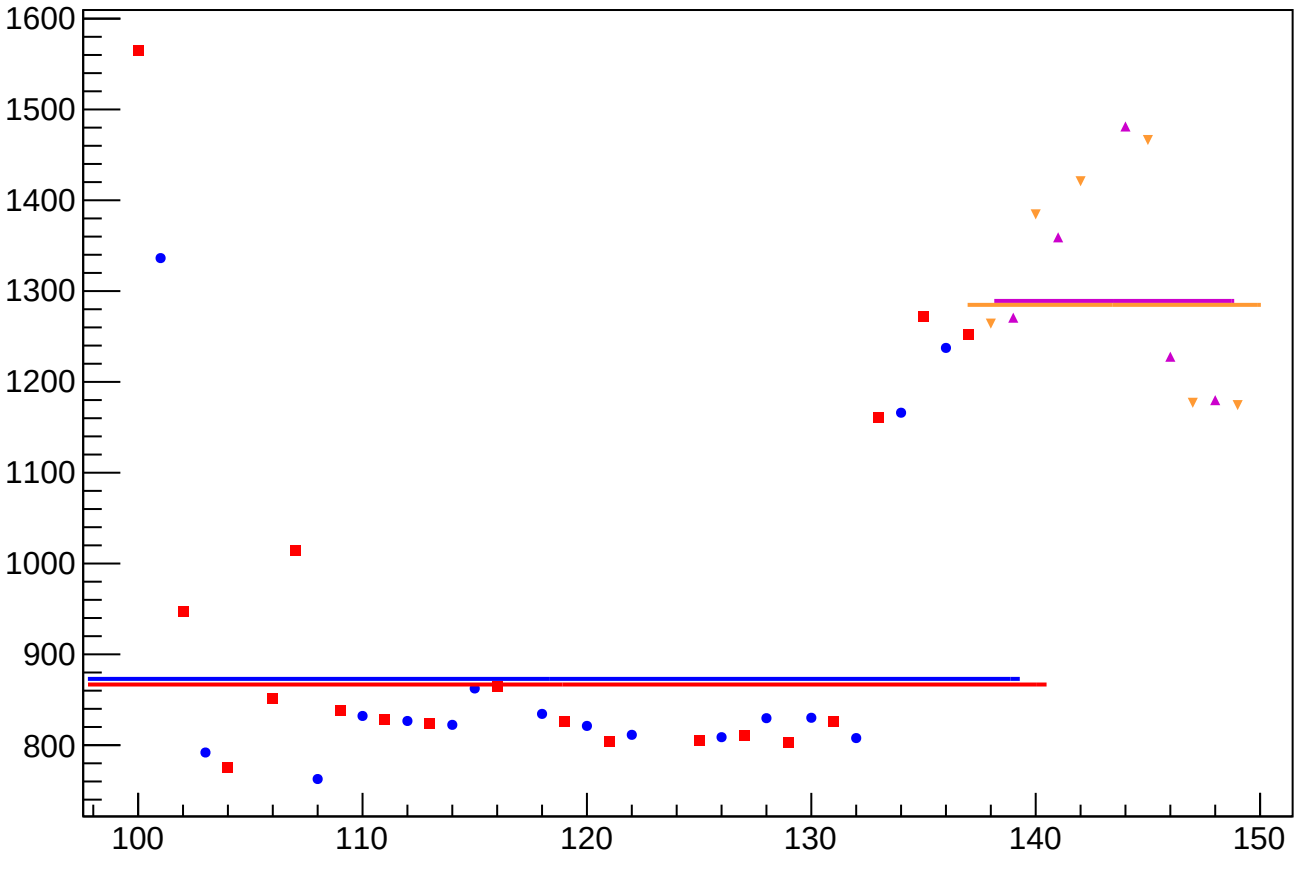
Left: -188.728+/-432.917 χ^2/NDF: 21.3/10

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -163.199+/-291.227 χ^2/NDF:16.0/20

Out: -142.193+/-288.506 χ^2/NDF:41.4/23

All: -152.597+/-204.960 χ^2/NDF: 57.4/44



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1284.836+/-0.429 χ^2/NDF:70591.7/5

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1289.172+/-0.437 χ^2/NDF:54260.5/4

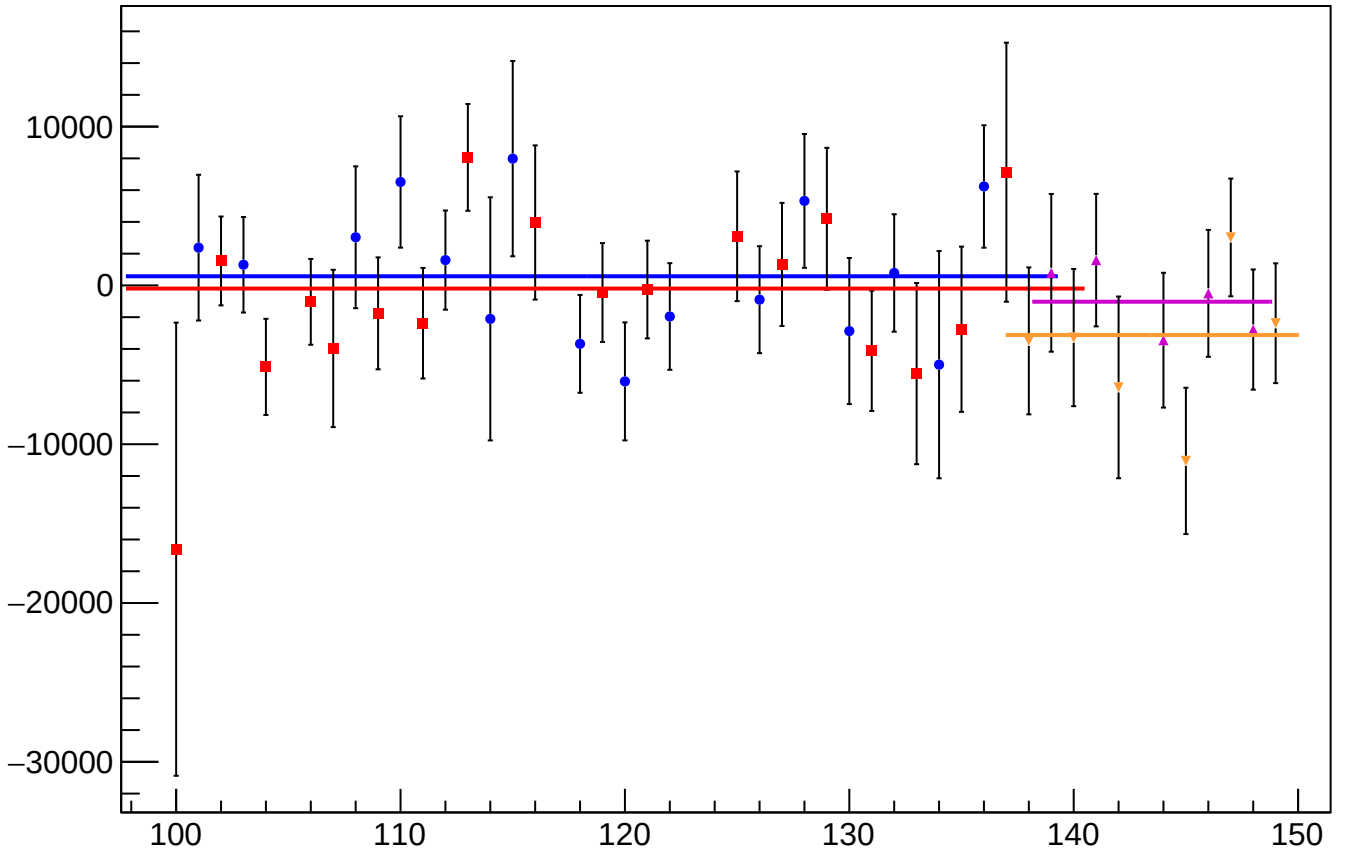
Left: 1286.959+/-0.306 χ^2/NDF: 124902.4/10

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 965.201+/-0.206 χ^2/NDF:1175961.4/20

Out: 961.378+/-0.204 χ^2/NDF:1097390.8/23

All: 963.270+/-0.145 χ^2/NDF: 2273526.2/44



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3125.061+/-1764.737 χ^2/NDF:6.1/5

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1025.736+/-1869.827 χ^2/NDF:1.1/4

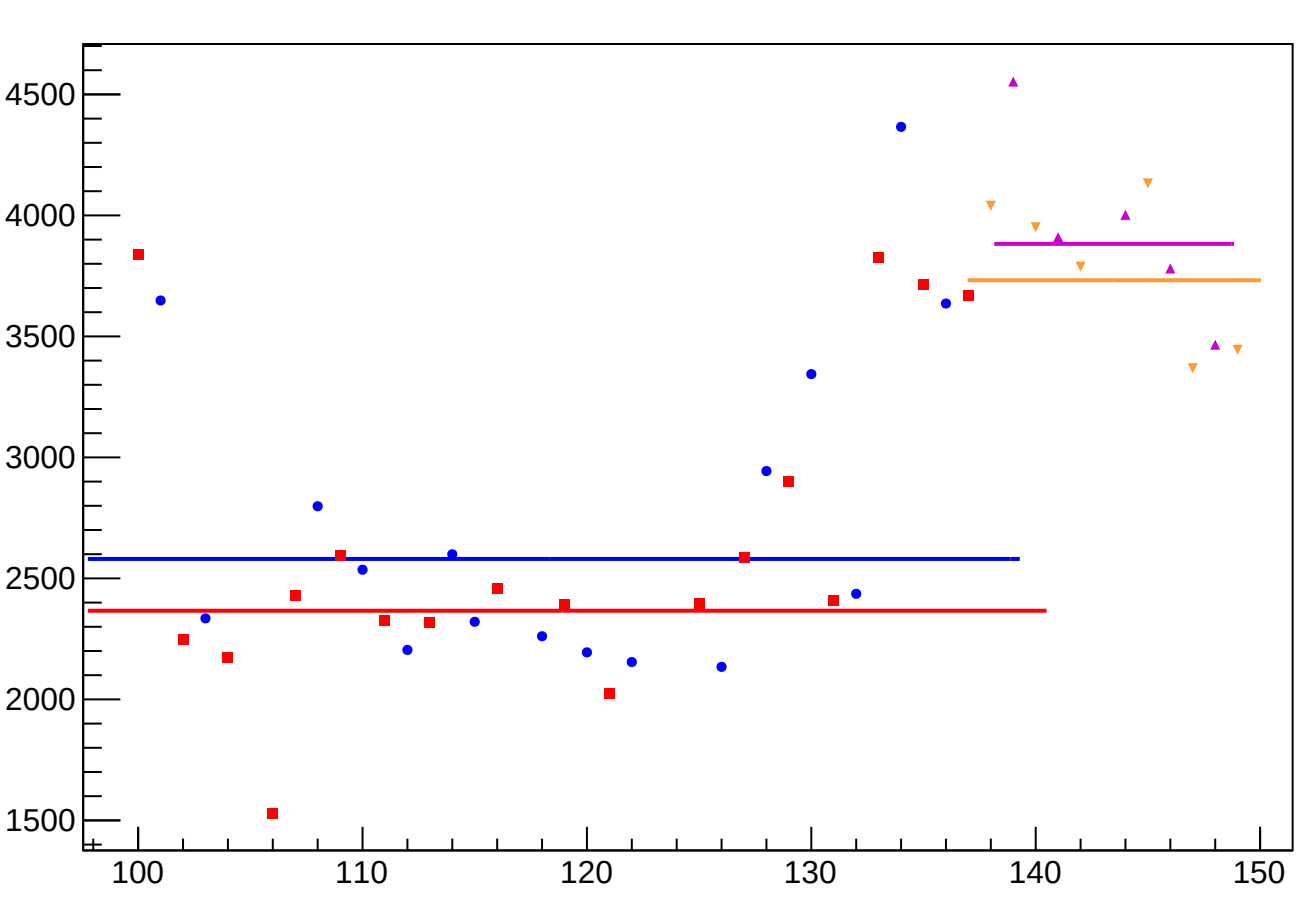
Left: -2136.048+/-1283.402 χ^2/NDF: 7.8/10

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 227.556+/-871.398 χ^2/NDF:16.4/20

Out: -795.867+/-797.590 χ^2/NDF:25.4/23

All: -329.326+/-588.347 χ^2/NDF: 42.6/44



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3732.044+/-1.248 χ^2/NDF:60178.4/5

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 3882.459+/-1.322 χ^2/NDF:63711.6/4

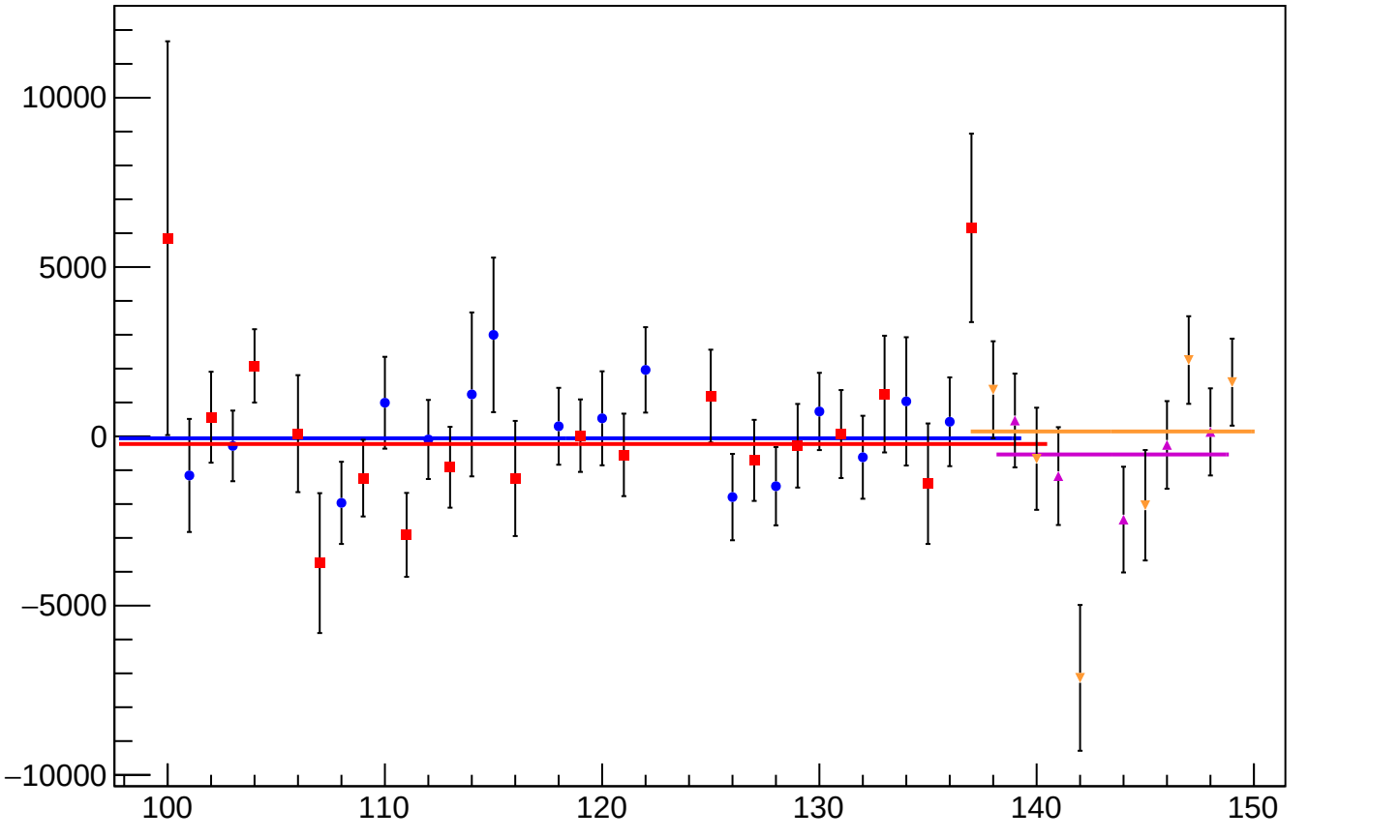
Left: 3802.906+/-0.908 χ^2/NDF: 130734.9/10

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2863.170+/-0.616 χ^2/NDF:1440079.5/20

Out: 2645.367+/-0.564 χ^2/NDF:1624899.2/23

All: 2744.655+/-0.416 χ^2/NDF: 3132966.5/44



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 144.025+/-606.017 χ^2/NDF:18.2/5

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -535.511+/-618.654 χ^2/NDF:2.6/4

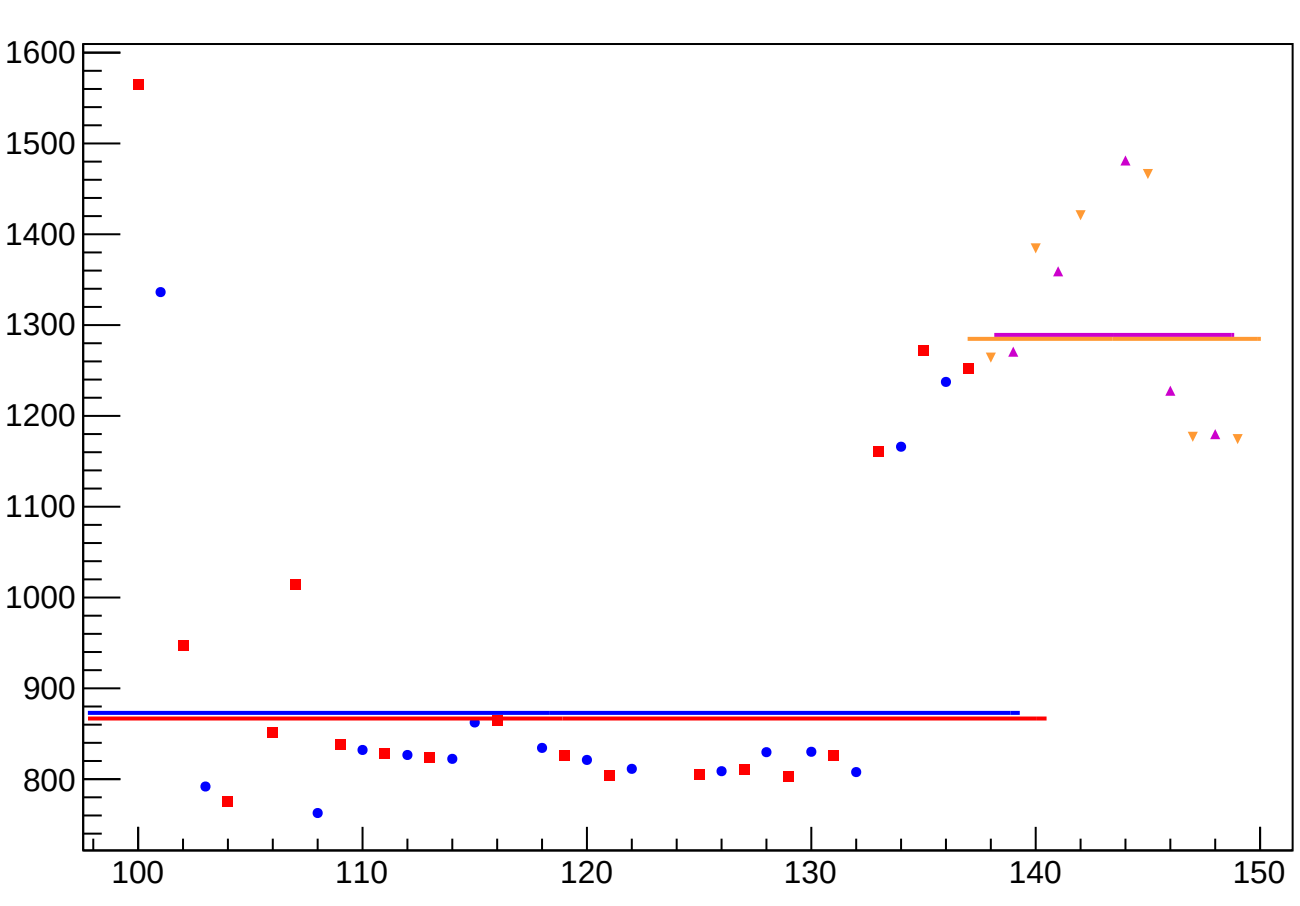
Left: -188.732+/-432.918 χ^2/NDF: 21.3/10

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -163.201+/-291.227 χ^2/NDF:16.0/20

Out: -142.197+/-288.506 χ^2/NDF:41.4/23

All: -152.601+/-204.960 χ^2/NDF: 57.4/44



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1284.837+/-0.429 χ^2/NDF:70593.2/5

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1289.173+/-0.437 χ^2/NDF:54261.2/4

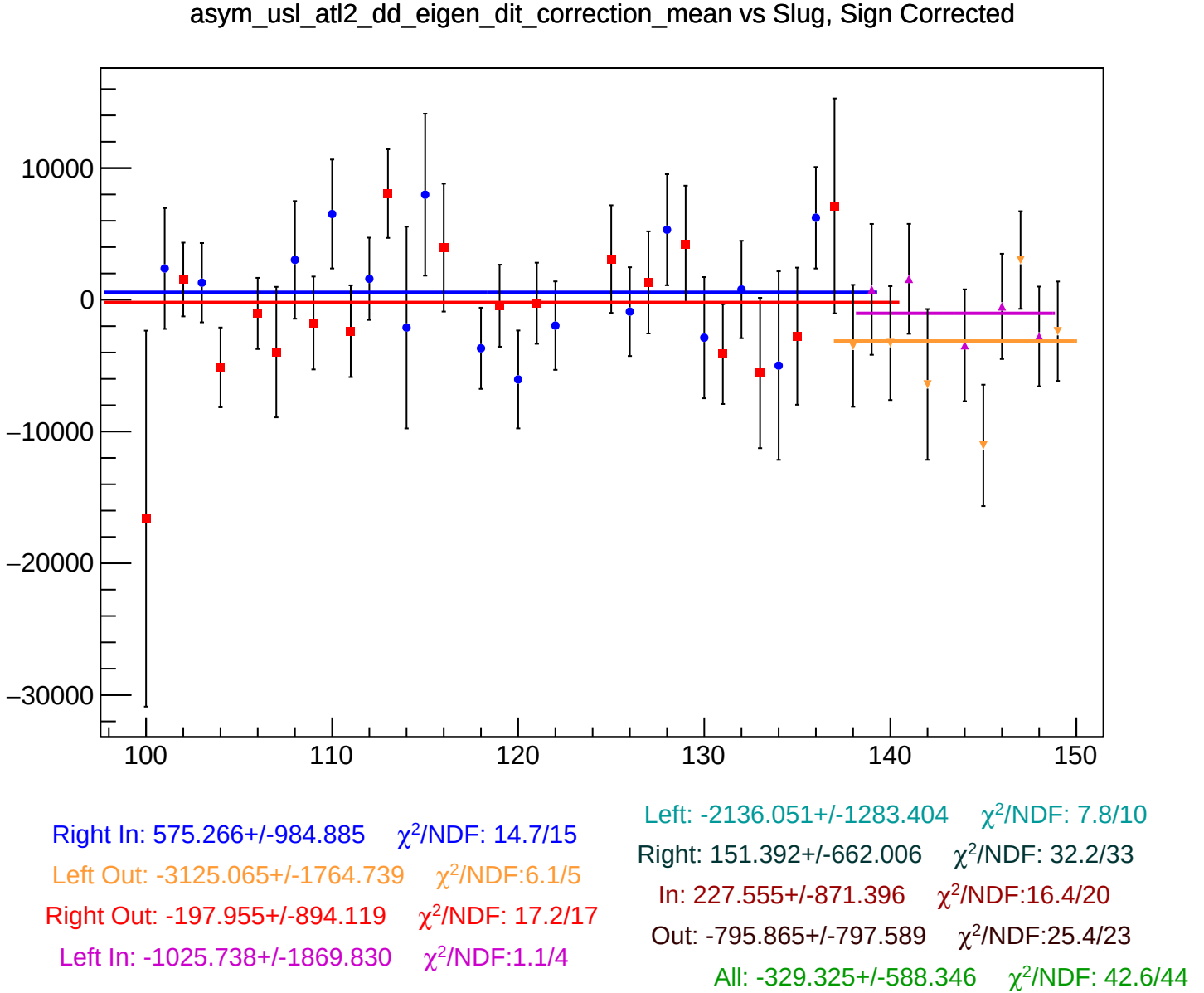
Left: 1286.960+/-0.306 χ^2/NDF: 124904.5/10

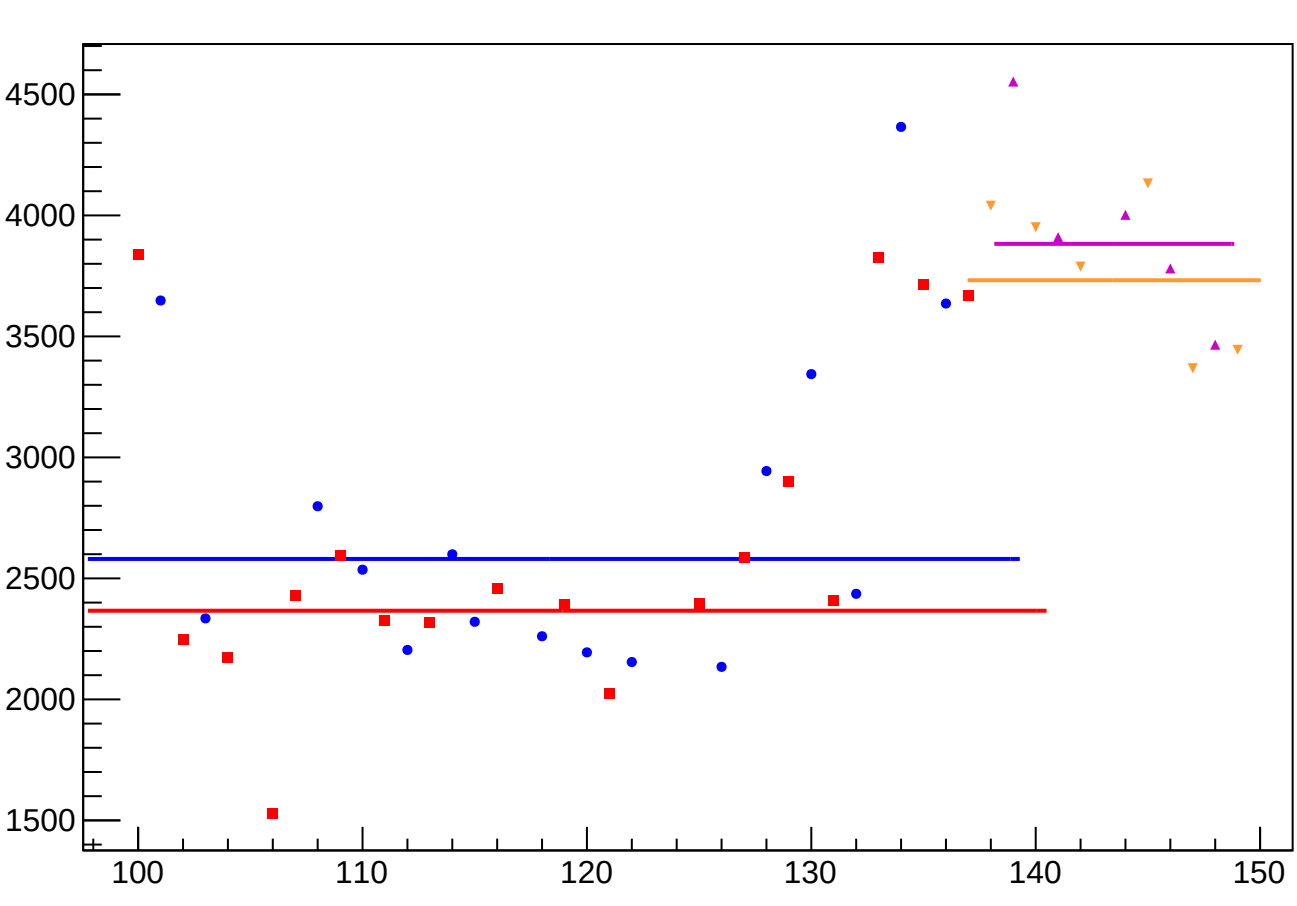
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 965.201+/-0.206 χ^2/NDF:1175964.1/20

Out: 961.378+/-0.204 χ^2/NDF:1097394.0/23

All: 963.270+/-0.145 χ^2/NDF: 2273532.1/44


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: -3125.065+/-1764.739 χ²/NDF:6.1/5
Right Out: -197.955+/-894.119 χ²/NDF: 17.2/17
Left In: -1025.738+/-1869.830 χ²/NDF:1.1/4
Left: -2136.051+/-1283.404 χ²/NDF: 7.8/10
Right: 151.392+/-662.006 χ²/NDF: 32.2/33
In: 227.555+/-871.396 χ²/NDF:16.4/20
Out: -795.865+/-797.589 χ²/NDF:25.4/23
All: -329.325+/-588.346 χ²/NDF: 42.6/44



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3732.050+/-1.248 χ^2/NDF:60180.6/5

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 3882.464+/-1.322 χ^2/NDF:63713.5/4

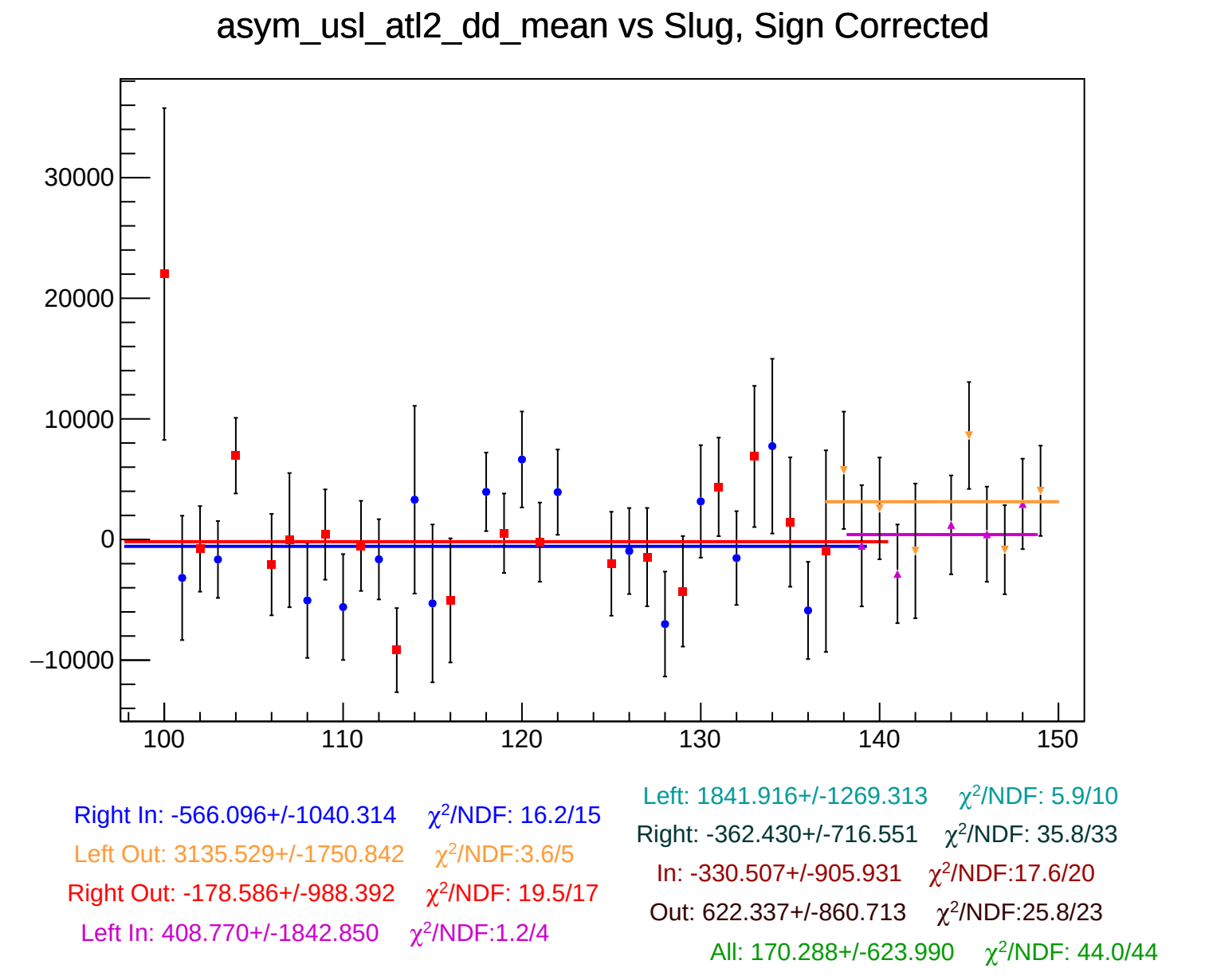
Left: 3802.912+/-0.908 χ^2/NDF: 130739.0/10

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

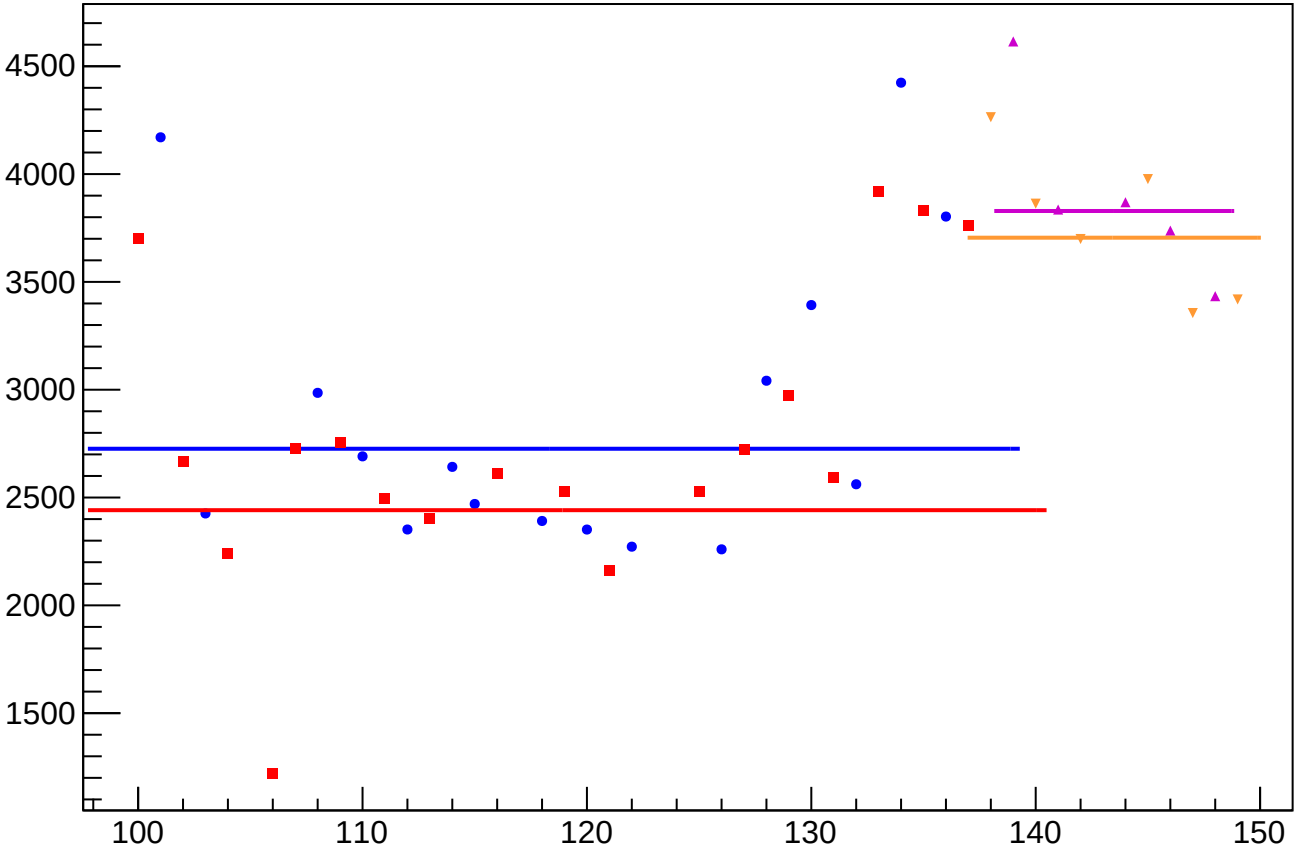
In: 2863.162+/-0.616 χ^2/NDF:1440104.0/20

Out: 2645.361+/-0.564 χ^2/NDF:1624920.8/23

All: 2744.648+/-0.416 χ^2/NDF: 3133012.3/44


asym_usl_atl2_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -566.096+/-1040.314 χ²/NDF: 16.2/15
Left Out: 3135.529+/-1750.842 χ²/NDF:3.6/5
Right Out: -178.586+/-988.392 χ²/NDF: 19.5/17
Left In: 408.770+/-1842.850 χ²/NDF:1.2/4
Left: 1841.916+/-1269.313 χ²/NDF: 5.9/10
Right: -362.430+/-716.551 χ²/NDF: 35.8/33
In: -330.507+/-905.931 χ²/NDF:17.6/20
Out: 622.337+/-860.713 χ²/NDF:25.8/23
All: 170.288+/-623.990 χ²/NDF: 44.0/44

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3705.013+/-1.238 χ^2/NDF:66324.6/5

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3828.819+/-1.303 χ^2/NDF:72475.3/4

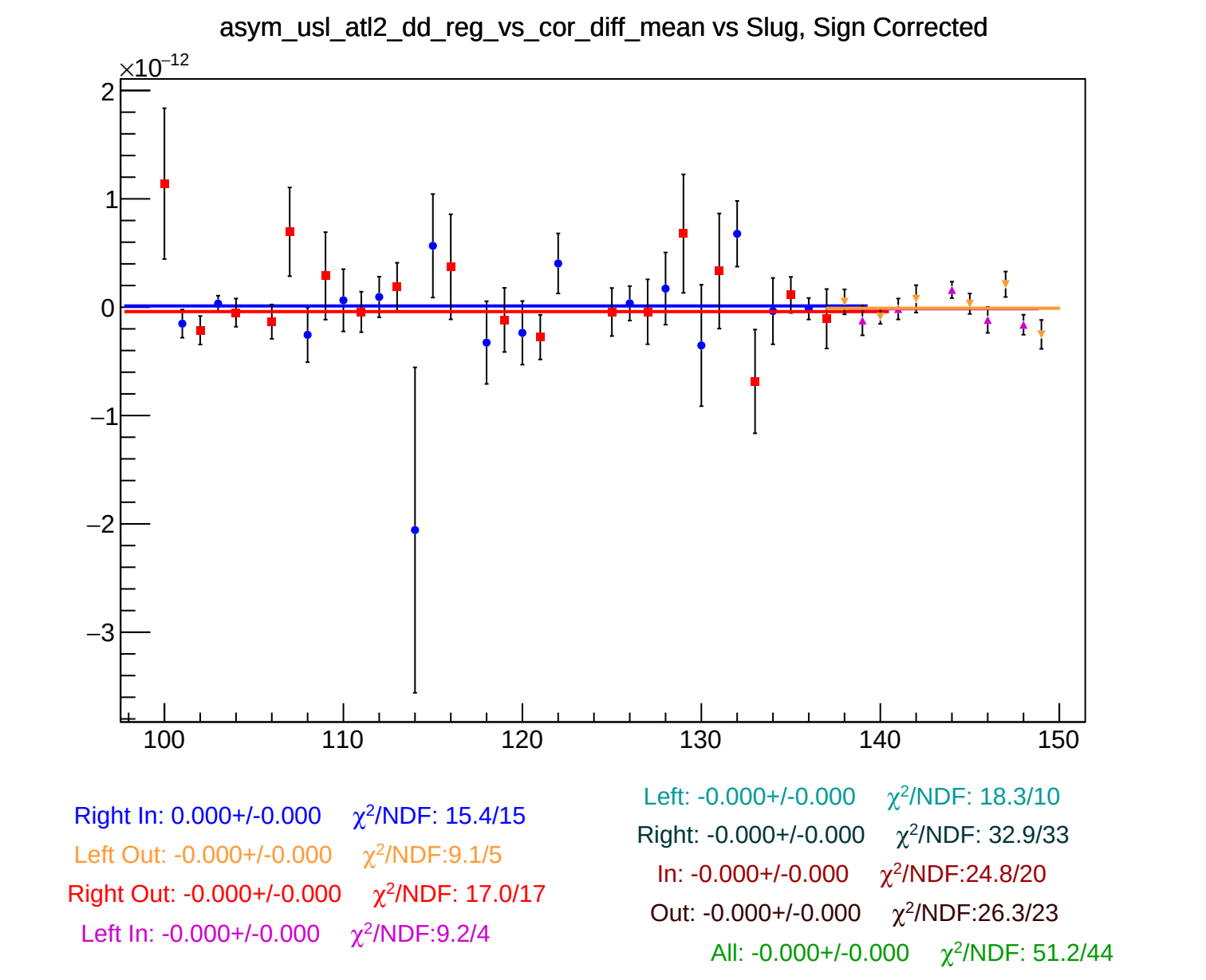
Left: 3763.749+/-0.898 χ^2/NDF: 143544.2/10

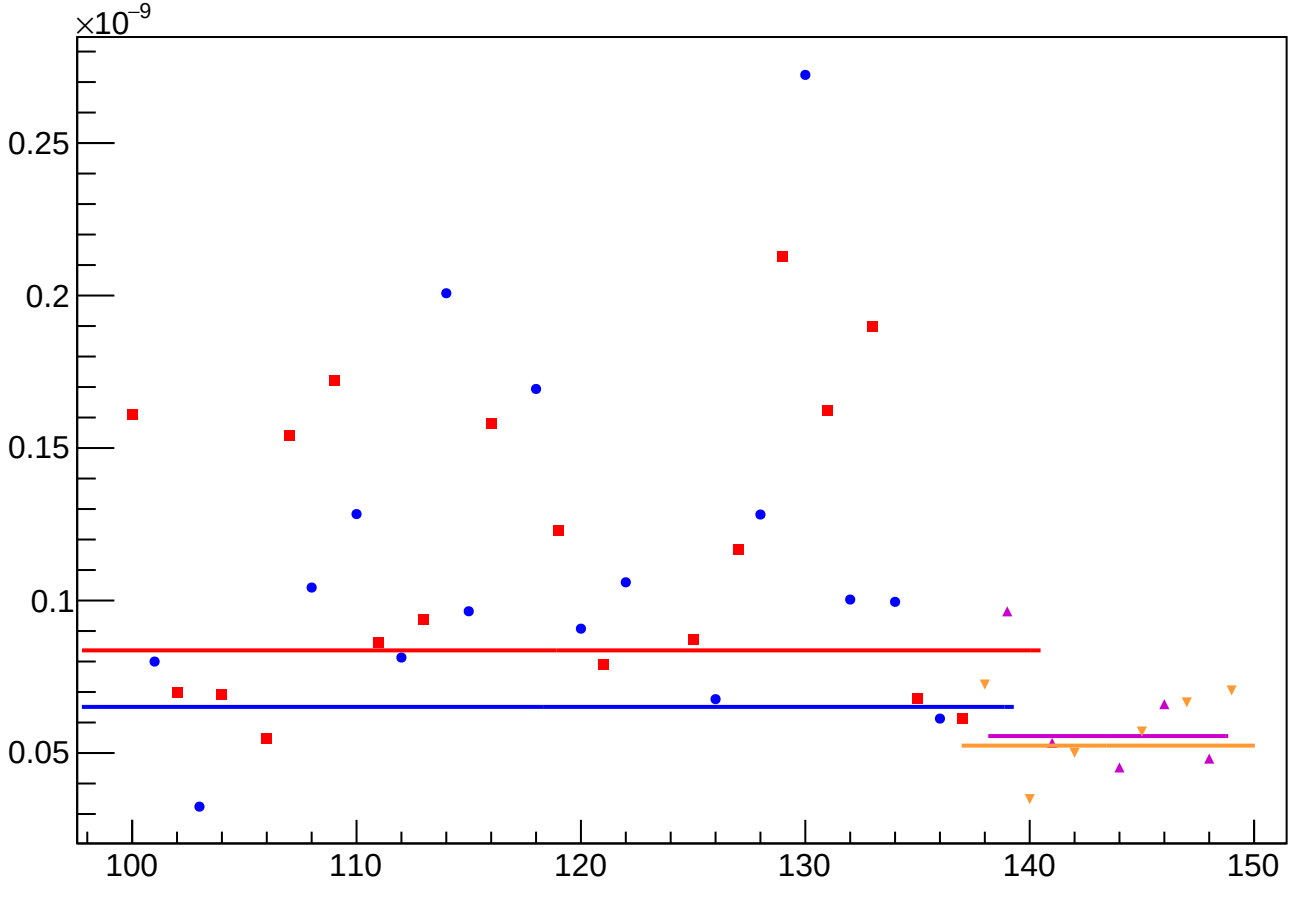
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2992.686+/-0.641 χ^2/NDF:1238479.0/20

Out: 2725.598+/-0.587 χ^2/NDF:1764933.9/23

All: 2847.541+/-0.433 χ^2/NDF: 3097883.2/44


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:9.1/5
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: 18.3/10
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:26.3/23
All: -0.000+/-0.000 χ²/NDF: 51.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:269306.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:243208.4/4

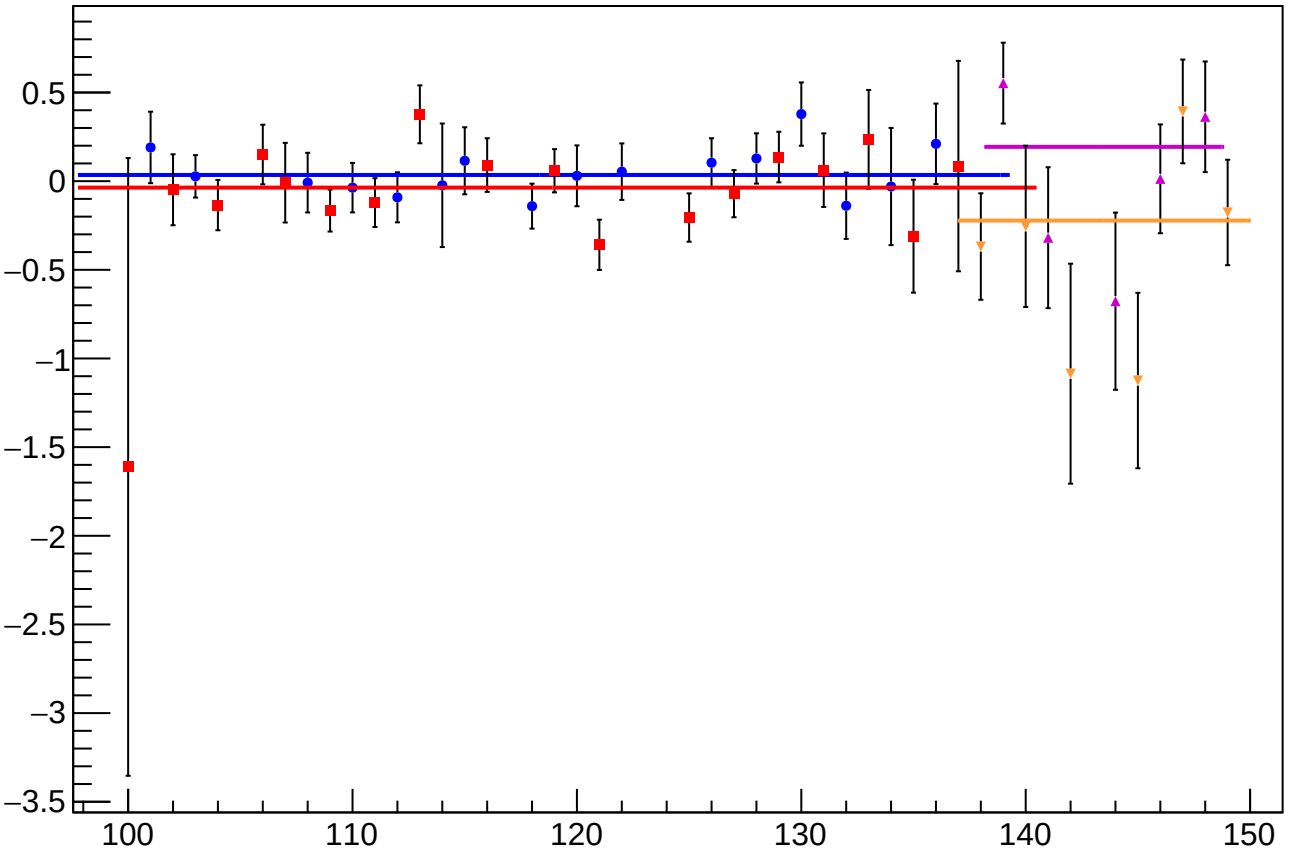
Left: 0.000+/-0.000 χ^2/NDF: 518012.7/10

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:1393993.3/23

All: 0.000+/-0.000 χ^2/NDF: 2920274.9/44



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.222+/-0.148 χ^2/NDF:10.0/5

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.194+/-0.141 χ^2/NDF:7.8/4

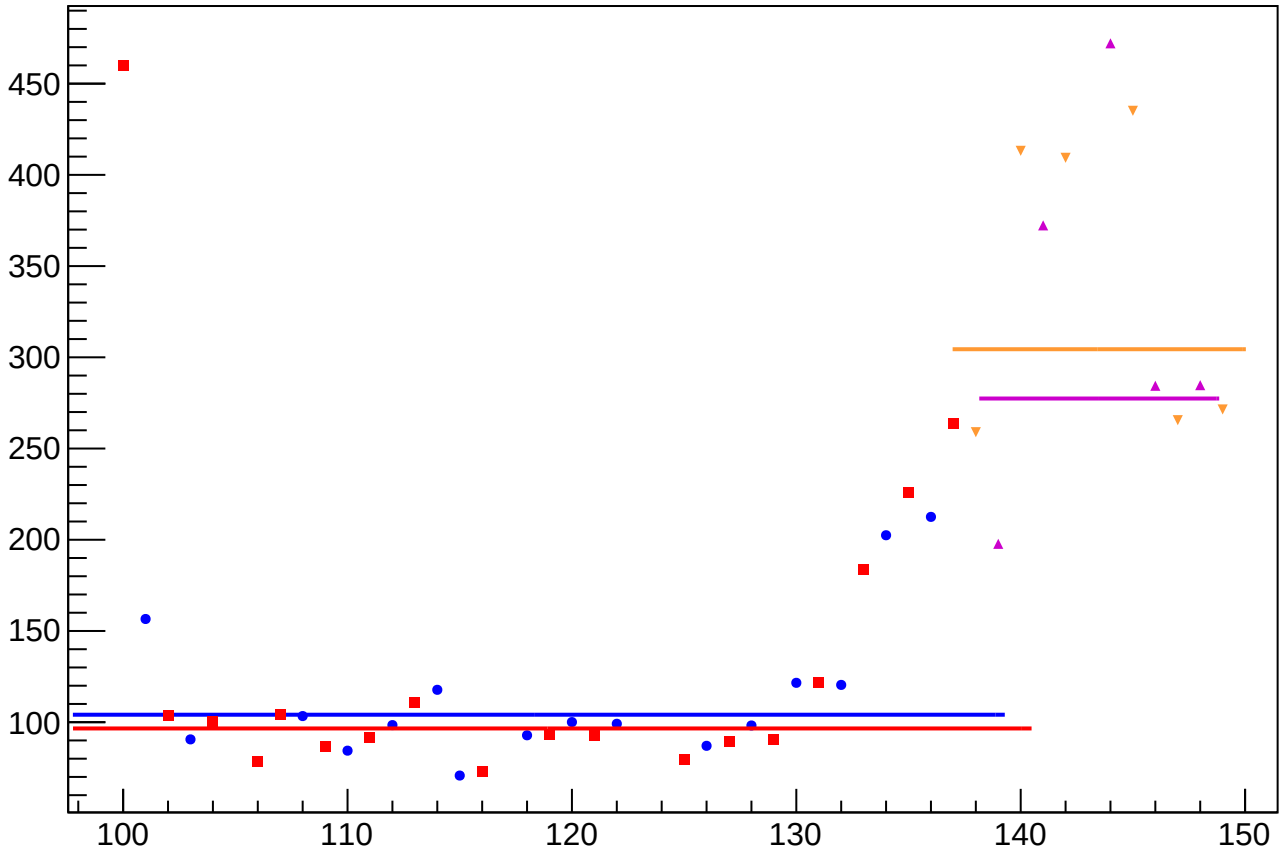
Left: -0.004+/-0.102 χ^2/NDF: 21.9/10

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.039 χ^2/NDF:18.7/20

Out: -0.048+/-0.038 χ^2/NDF:33.5/23

All: -0.003+/-0.027 χ^2/NDF: 55.3/44



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 304.433+/-0.105 χ^2/NDF:417042.2/5

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

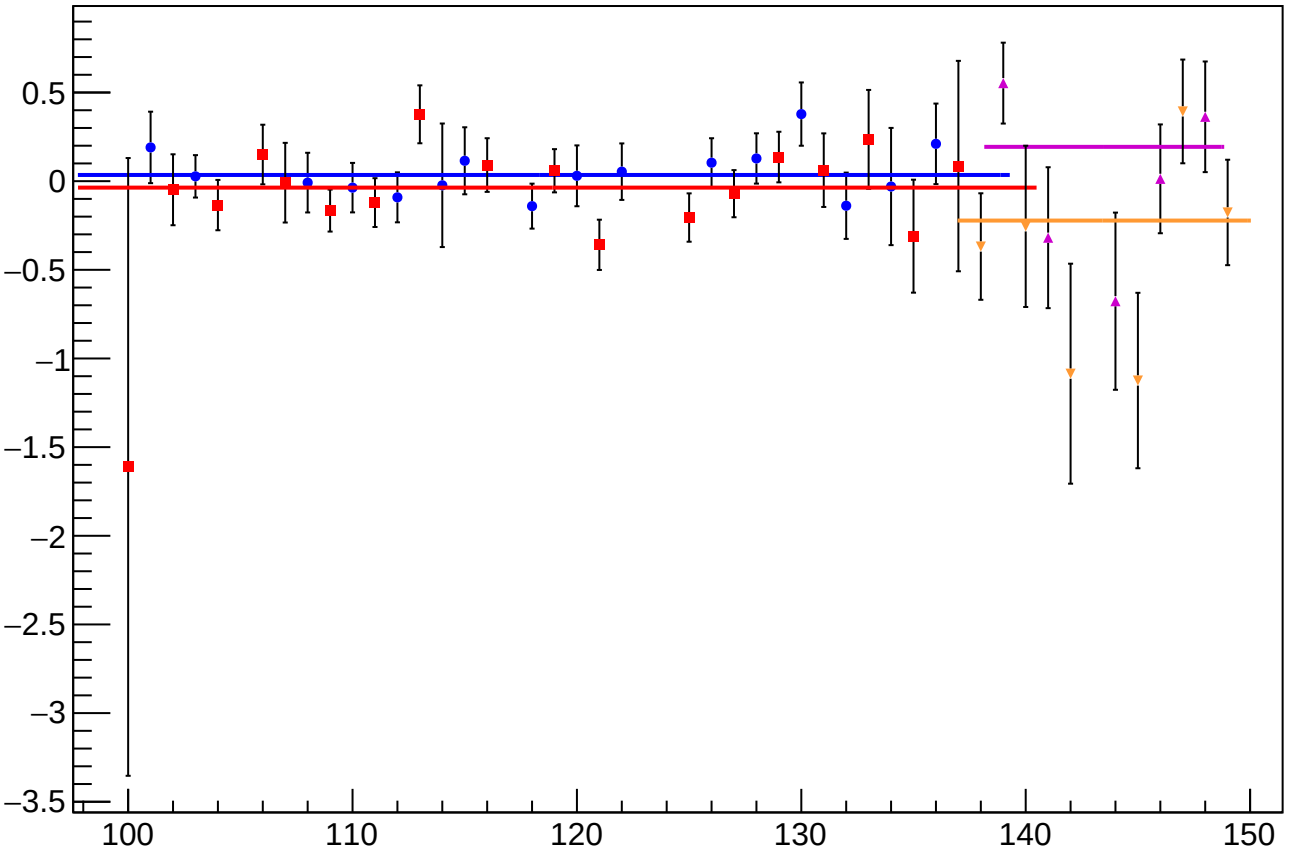
Left: 290.243+/-0.072 χ^2/NDF: 1115675.9/10

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 117.666+/-0.028 χ^2/NDF:4446877.8/20

Out: 109.989+/-0.027 χ^2/NDF:5059379.8/23

All: 113.651+/-0.019 χ^2/NDF: 9545986.3/44



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.222+/-0.148 χ^2/NDF:10.0/5

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: -0.004+/-0.102 χ^2/NDF: 21.9/10

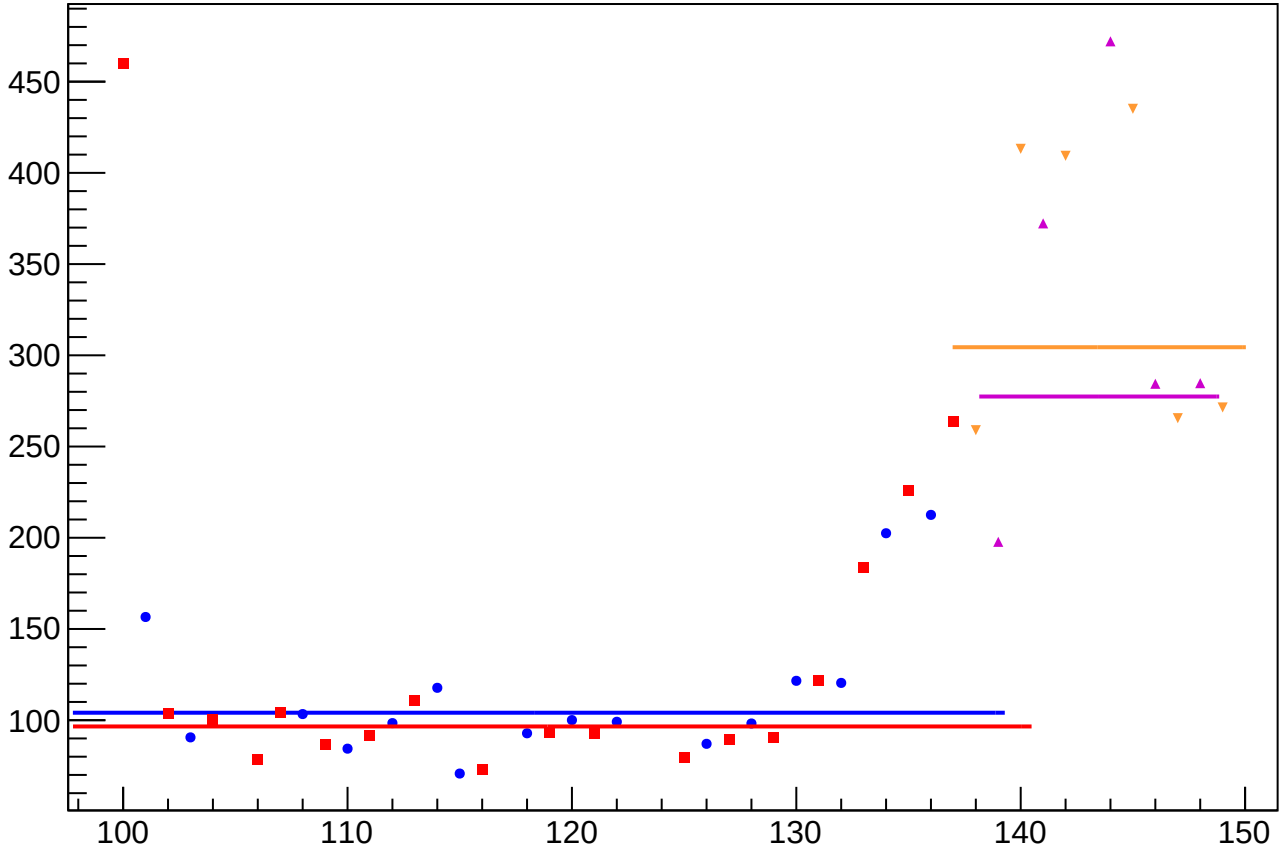
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.039 χ^2/NDF:18.7/20

Out: -0.048+/-0.038 χ^2/NDF:33.5/23

All: -0.003+/-0.027 χ^2/NDF: 55.3/44

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: 304.433+/-0.105 χ^2/NDF:417042.2/5

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.414+/-0.100 χ^2/NDF:663662.5/4

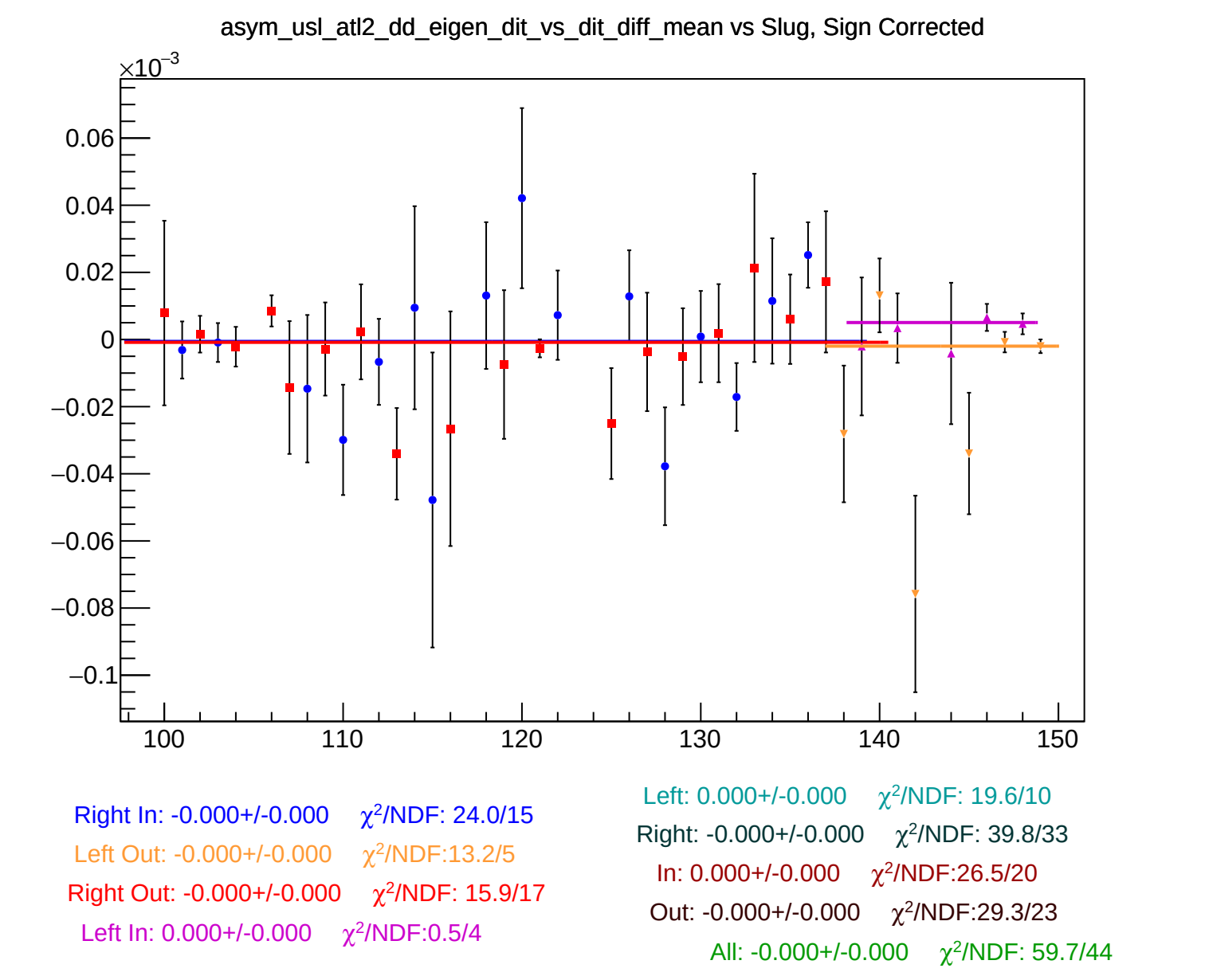
Left: 290.243+/-0.072 χ^2/NDF: 1115675.9/10

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

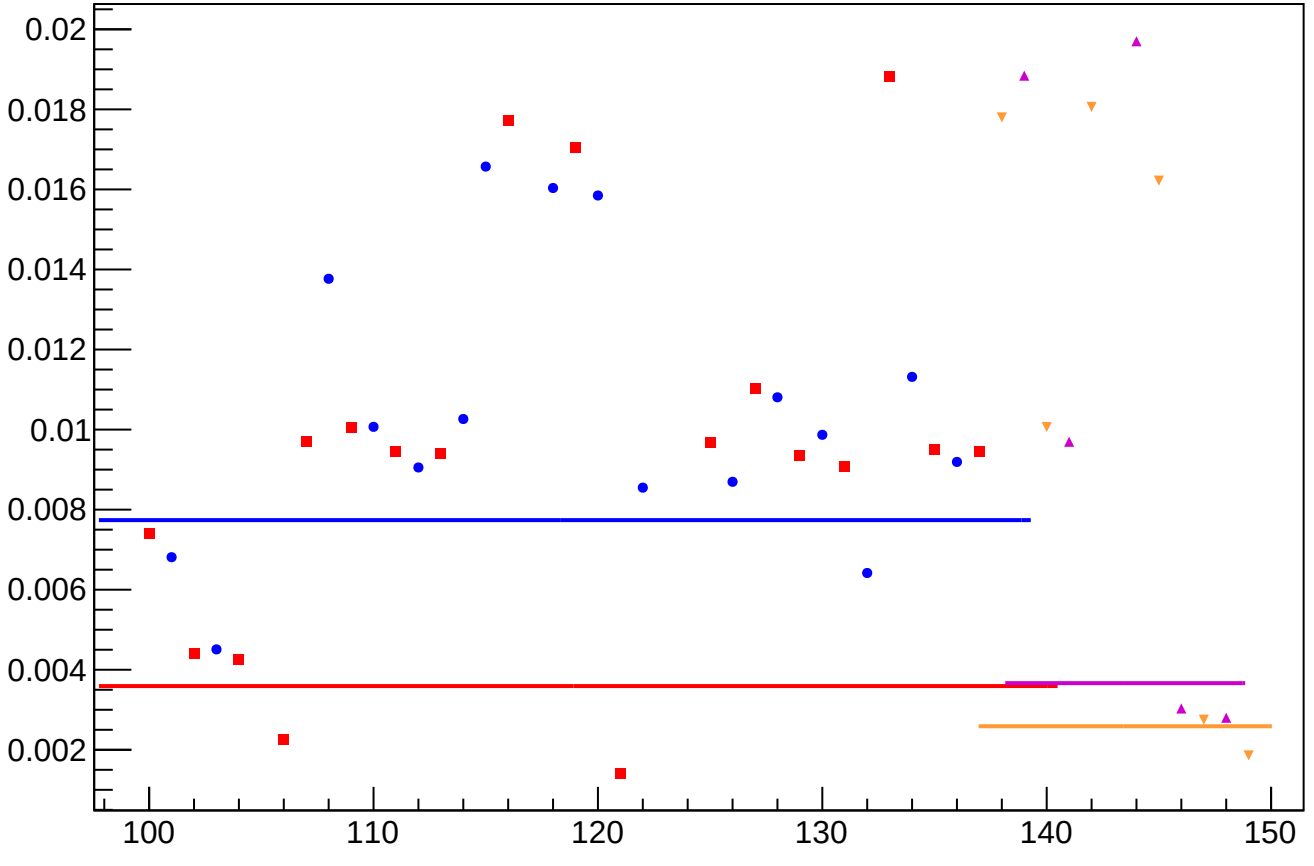
In: 117.666+/-0.028 χ^2/NDF:4446877.8/20

Out: 109.989+/-0.027 χ^2/NDF:5059379.8/23

All: 113.651+/-0.019 χ^2/NDF: 9545986.3/44


asym_usl_atl2_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
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.2/5
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:0.5/4
Left: 0.000+/-0.000 χ²/NDF: 19.6/10
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: 0.000+/-0.000 χ²/NDF:26.5/20
Out: -0.000+/-0.000 χ²/NDF:29.3/23
All: -0.000+/-0.000 χ²/NDF: 59.7/44

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:3993507.4/5

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:3135252.8/4

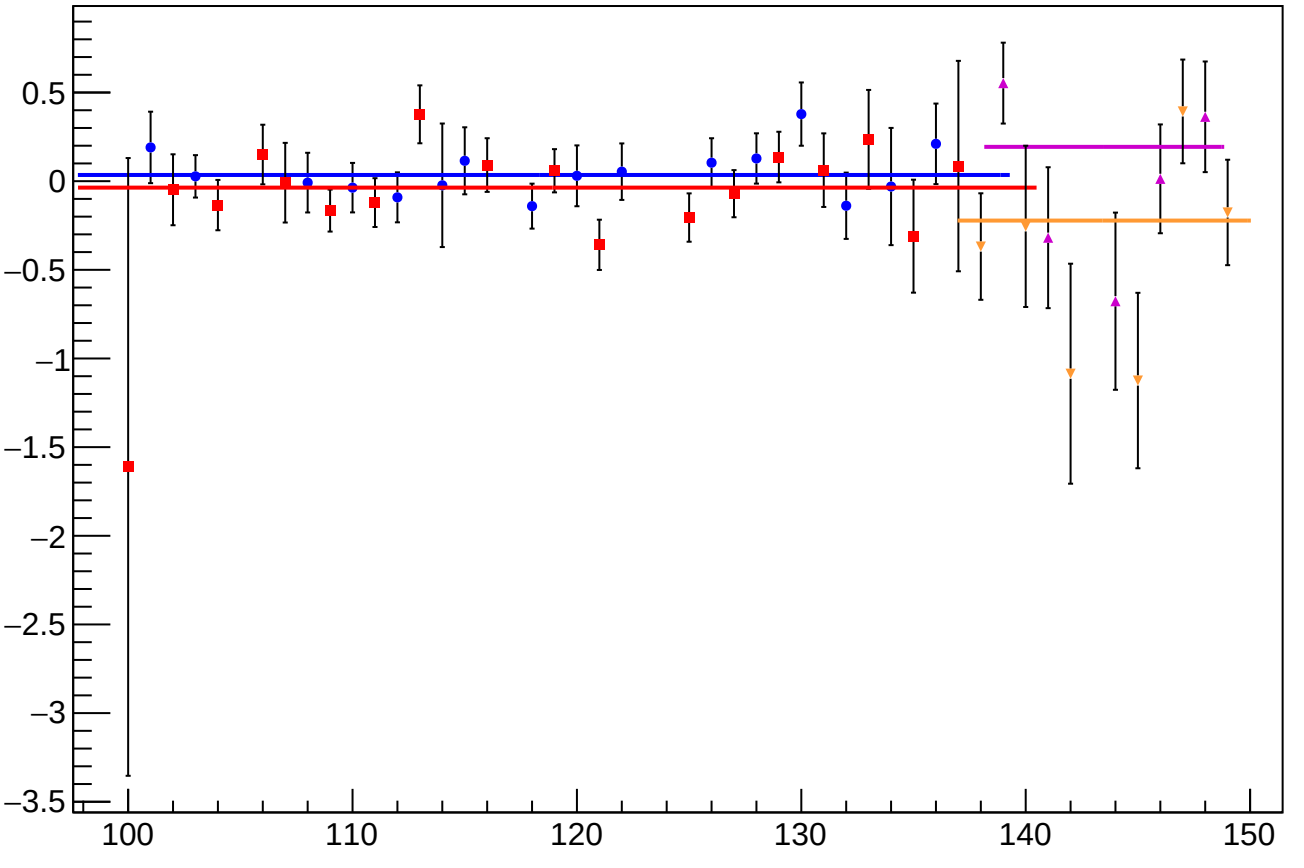
Left: 0.003+/-0.000 χ^2/NDF: 7407100.0/10

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.005+/-0.000 χ^2/NDF:7010215.7/20

Out: 0.003+/-0.000 χ^2/NDF:10686558.5/23

All: 0.004+/-0.000 χ^2/NDF: 19467001.7/44



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.222+/-0.148 χ^2/NDF:10.0/5

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: -0.004+/-0.102 χ^2/NDF: 21.9/10

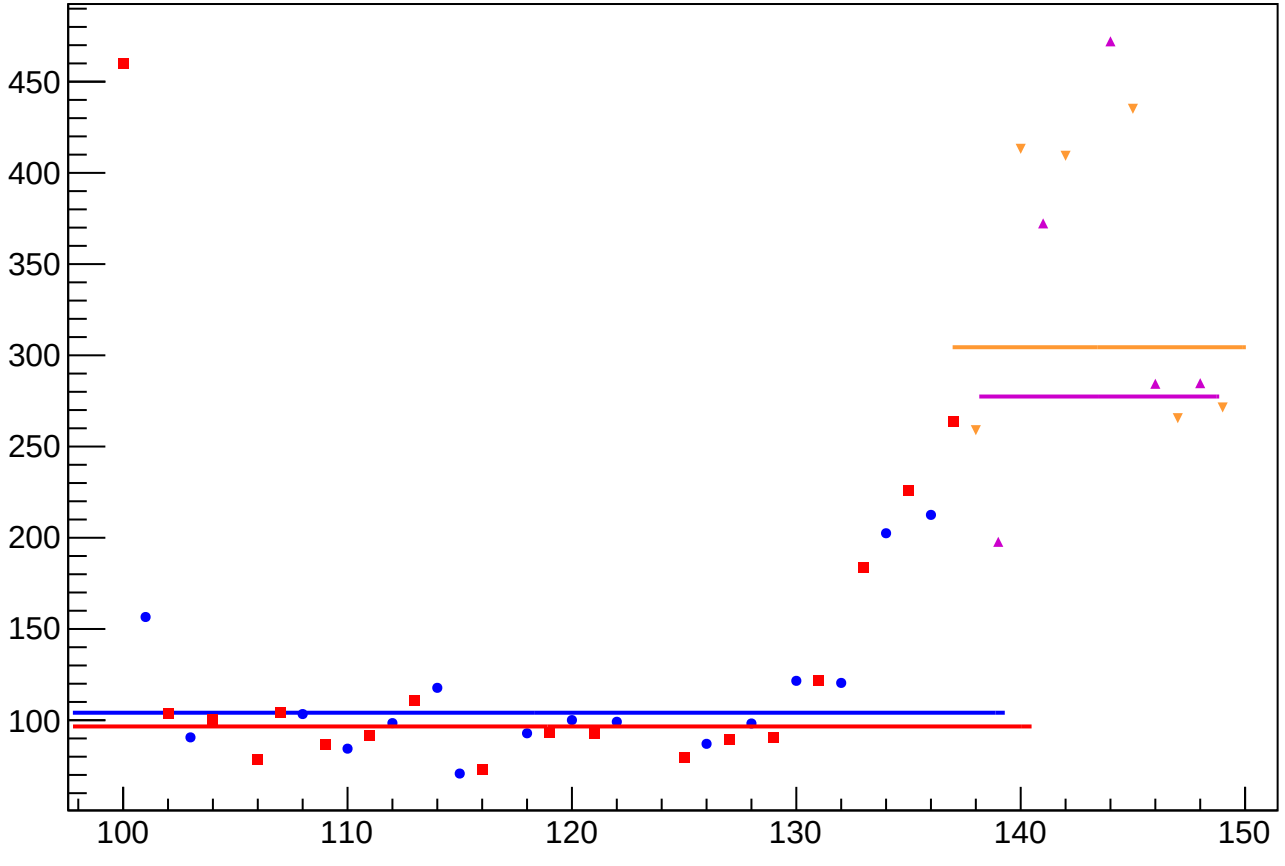
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.047+/-0.039 χ^2/NDF:18.7/20

Out: -0.048+/-0.038 χ^2/NDF:33.5/23

All: -0.003+/-0.027 χ^2/NDF: 55.3/44

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: 304.434+/-0.105 χ^2/NDF:417071.9/5

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

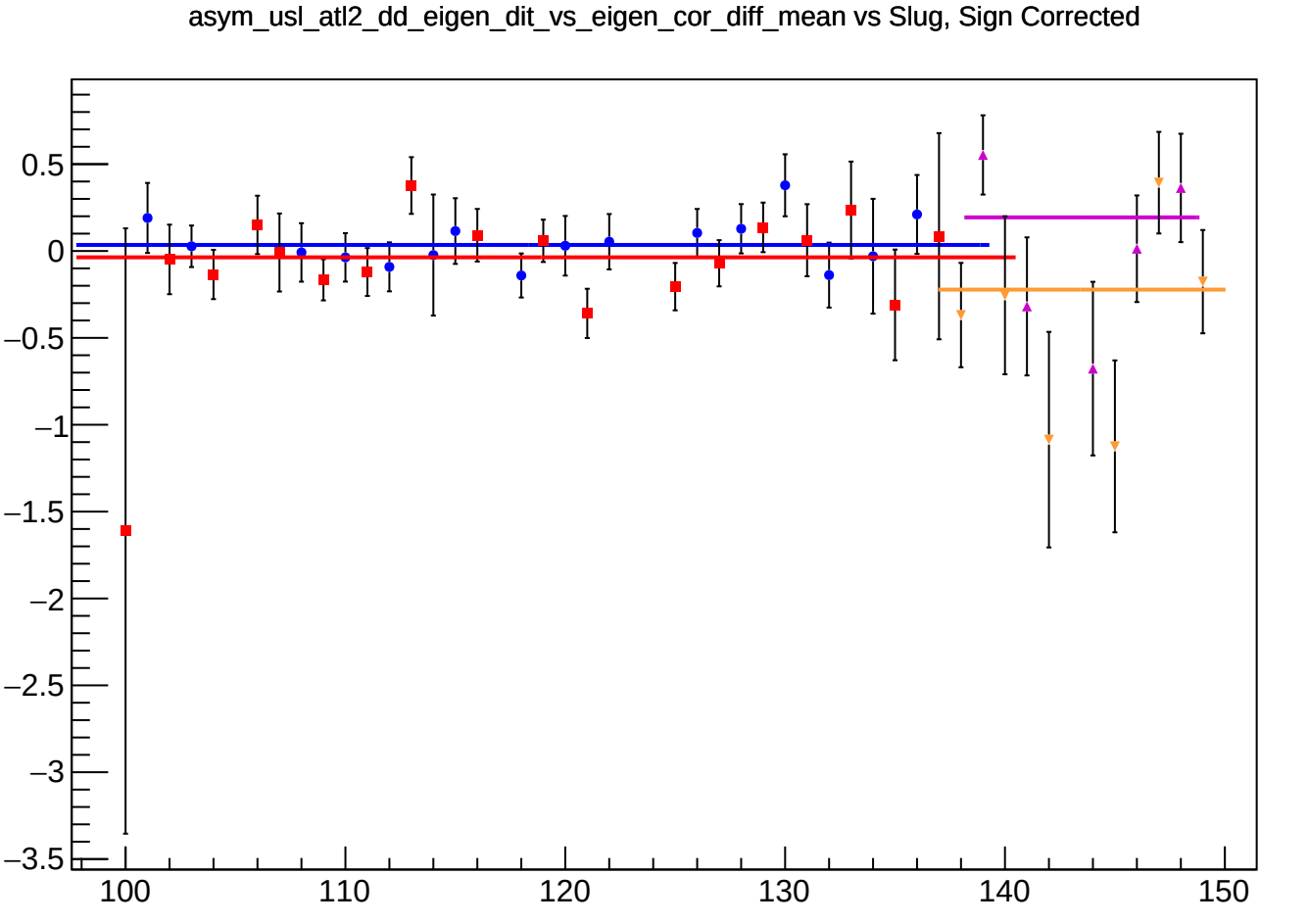
Left: 290.246+/-0.072 χ^2/NDF: 1115673.2/10

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

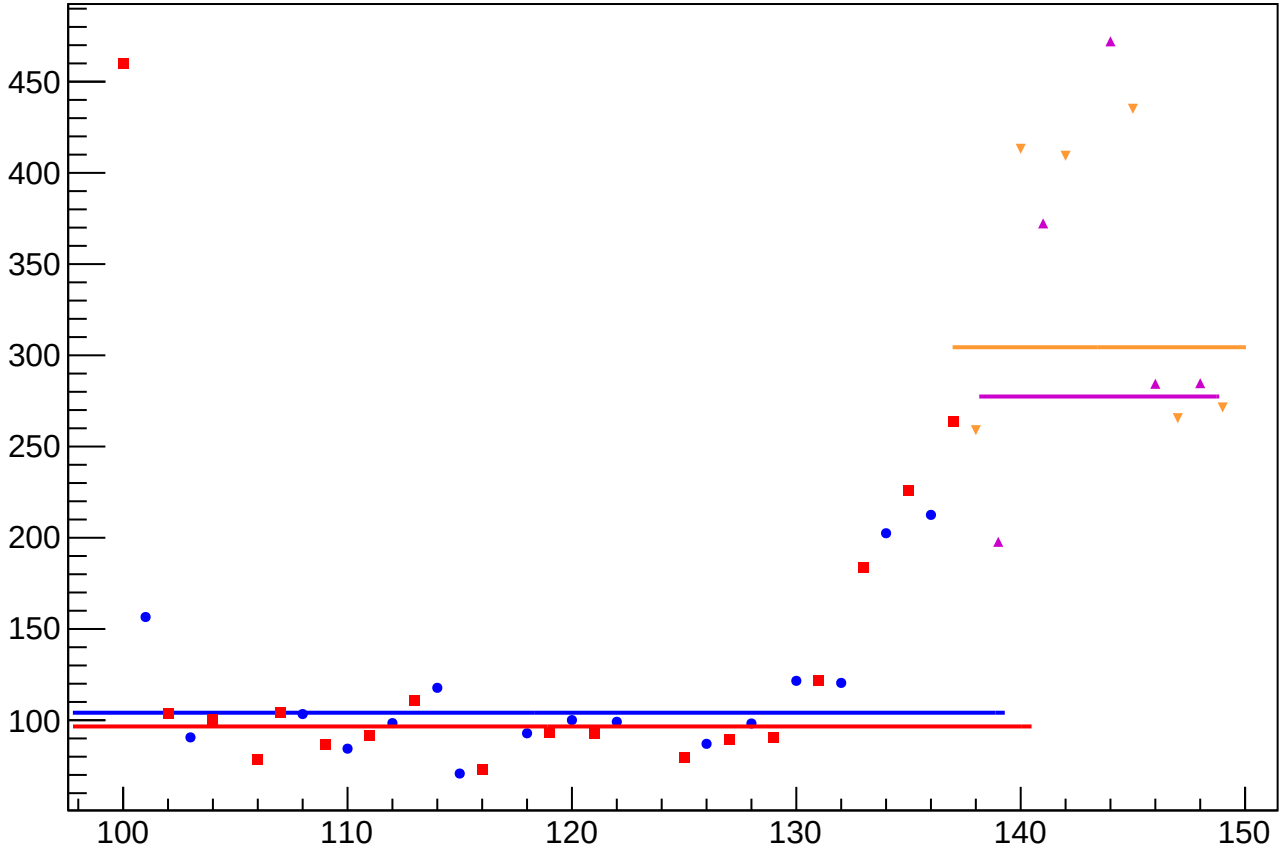
In: 117.667+/-0.028 χ^2/NDF:4446842.0/20

Out: 109.990+/-0.027 χ^2/NDF:5059298.7/23

All: 113.652+/-0.019 χ^2/NDF: 9545863.9/44


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: -0.222+/-0.148 χ²/NDF:10.0/5
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.194+/-0.141 χ²/NDF:7.8/4
Left: -0.004+/-0.102 χ²/NDF: 21.9/10
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.047+/-0.039 χ²/NDF:18.7/20
Out: -0.048+/-0.038 χ²/NDF:33.5/23
All: -0.003+/-0.027 χ²/NDF: 55.3/44

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: 304.434+/-0.105 χ^2/NDF:417071.9/5

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.419+/-0.100 χ^2/NDF:663638.4/4

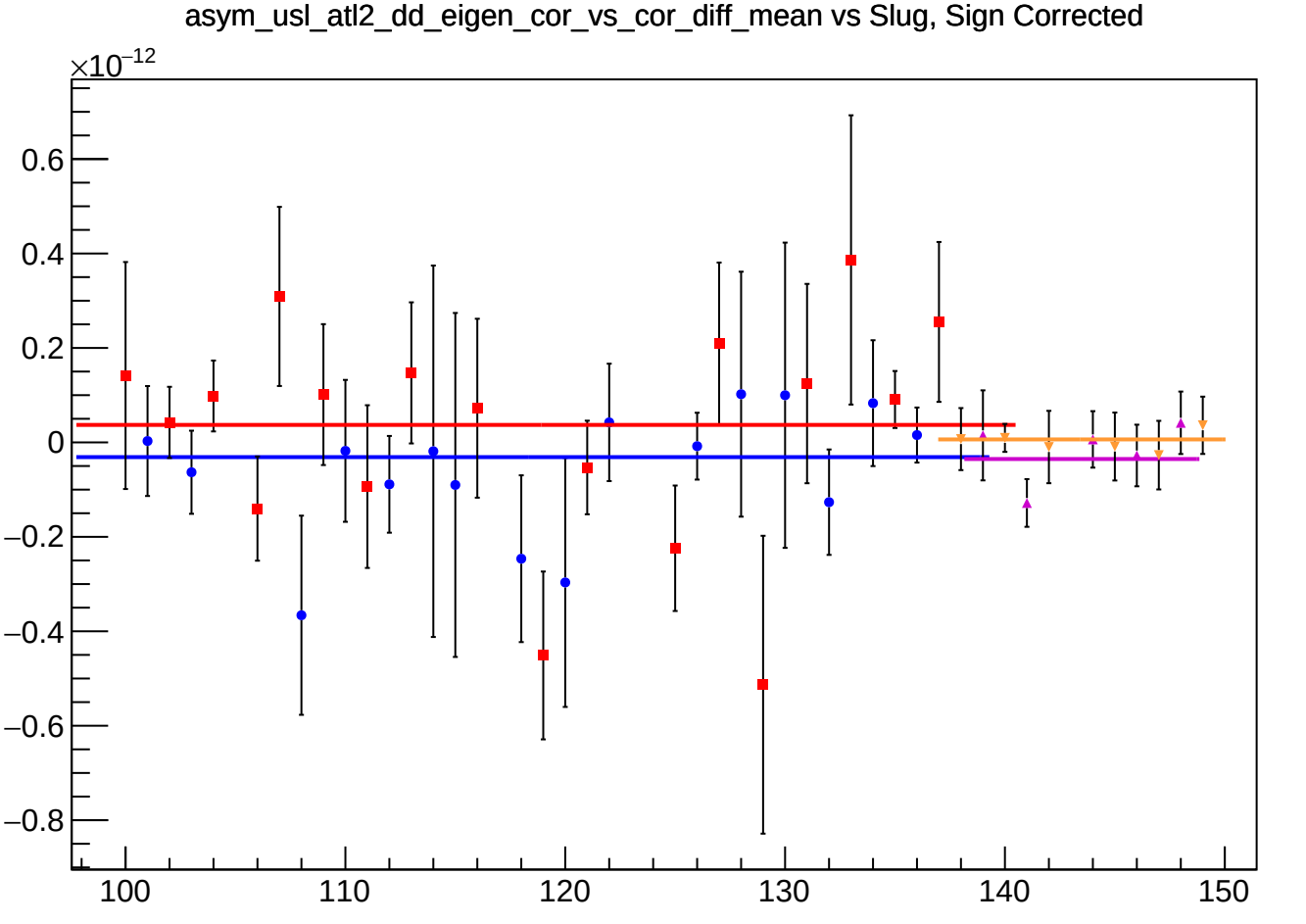
Left: 290.246+/-0.072 χ^2/NDF: 1115673.2/10

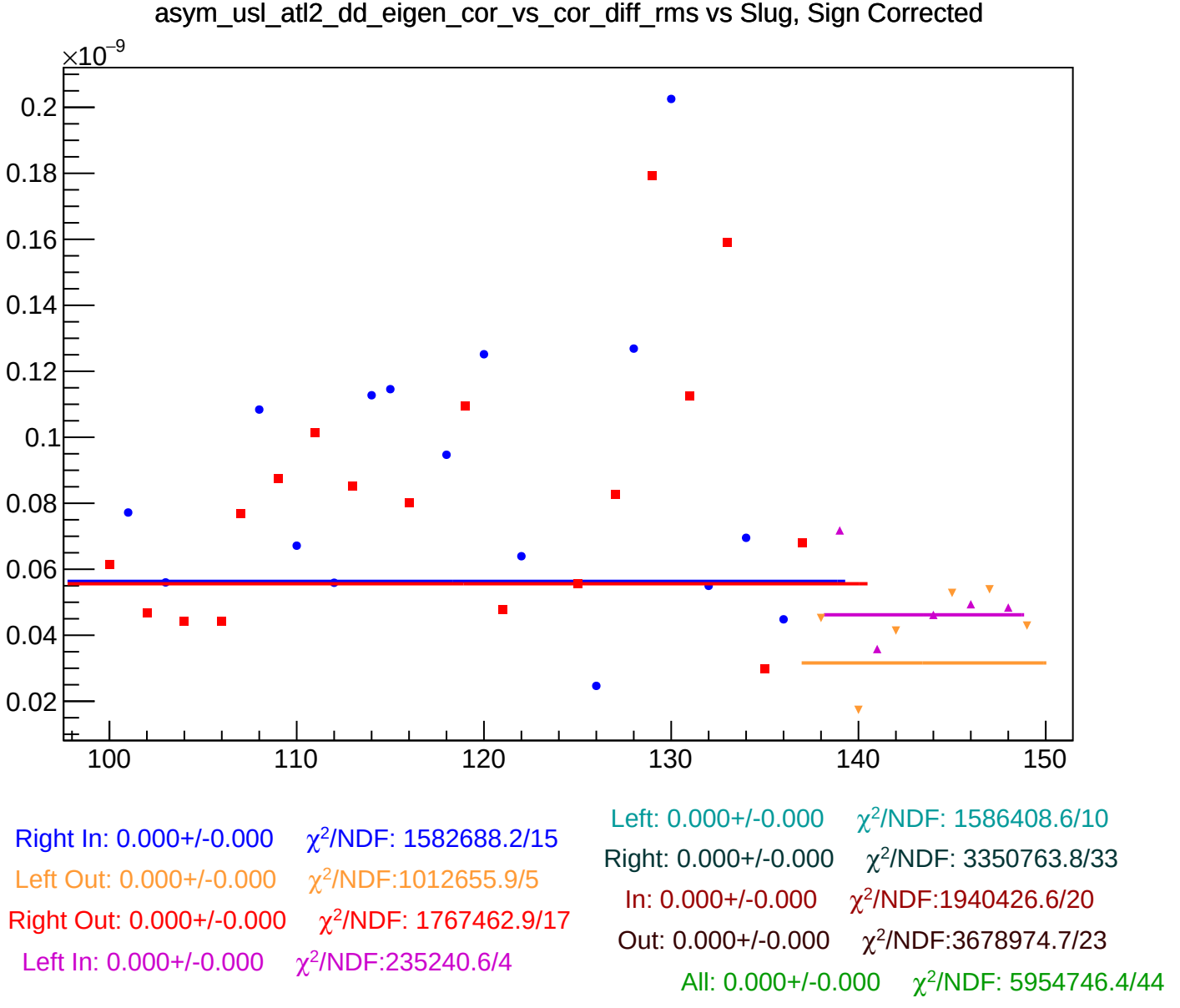
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

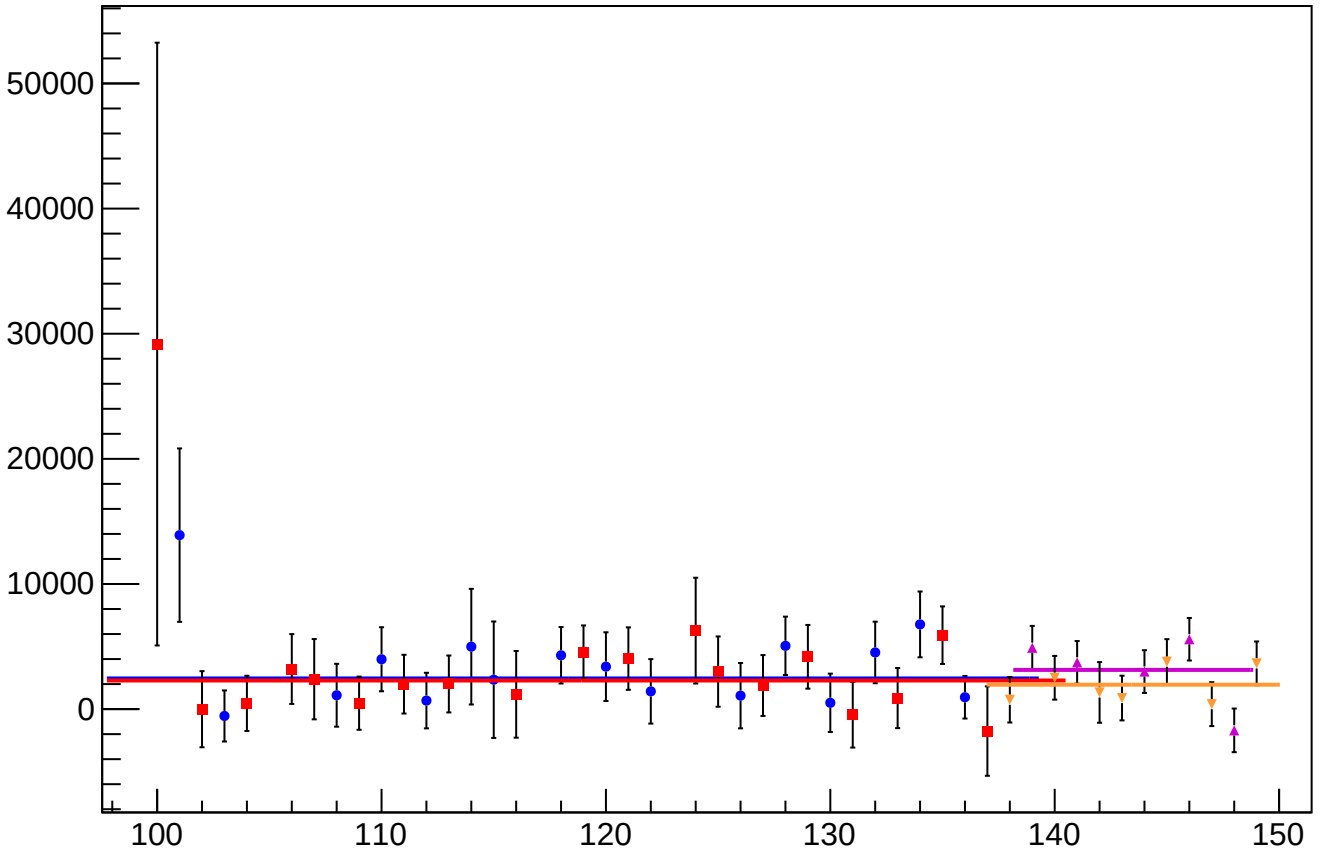
In: 117.667+/-0.028 χ^2/NDF:4446842.0/20

Out: 109.990+/-0.027 χ^2/NDF:5059298.7/23

All: 113.652+/-0.019 χ^2/NDF: 9545863.9/44


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:0.6/5
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: 7.4/10
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:28.3/23
All: -0.000+/-0.000 χ²/NDF: 46.0/44


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1012655.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:235240.6/4
Left: 0.000+/-0.000 χ²/NDF: 1586408.6/10
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:1940426.6/20
Out: 0.000+/-0.000 χ²/NDF:3678974.7/23
All: 0.000+/-0.000 χ²/NDF: 5954746.4/44



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1949.594+/-694.575 χ^2/NDF:3.7/6

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 3133.916+/-768.941 χ^2/NDF:10.9/4

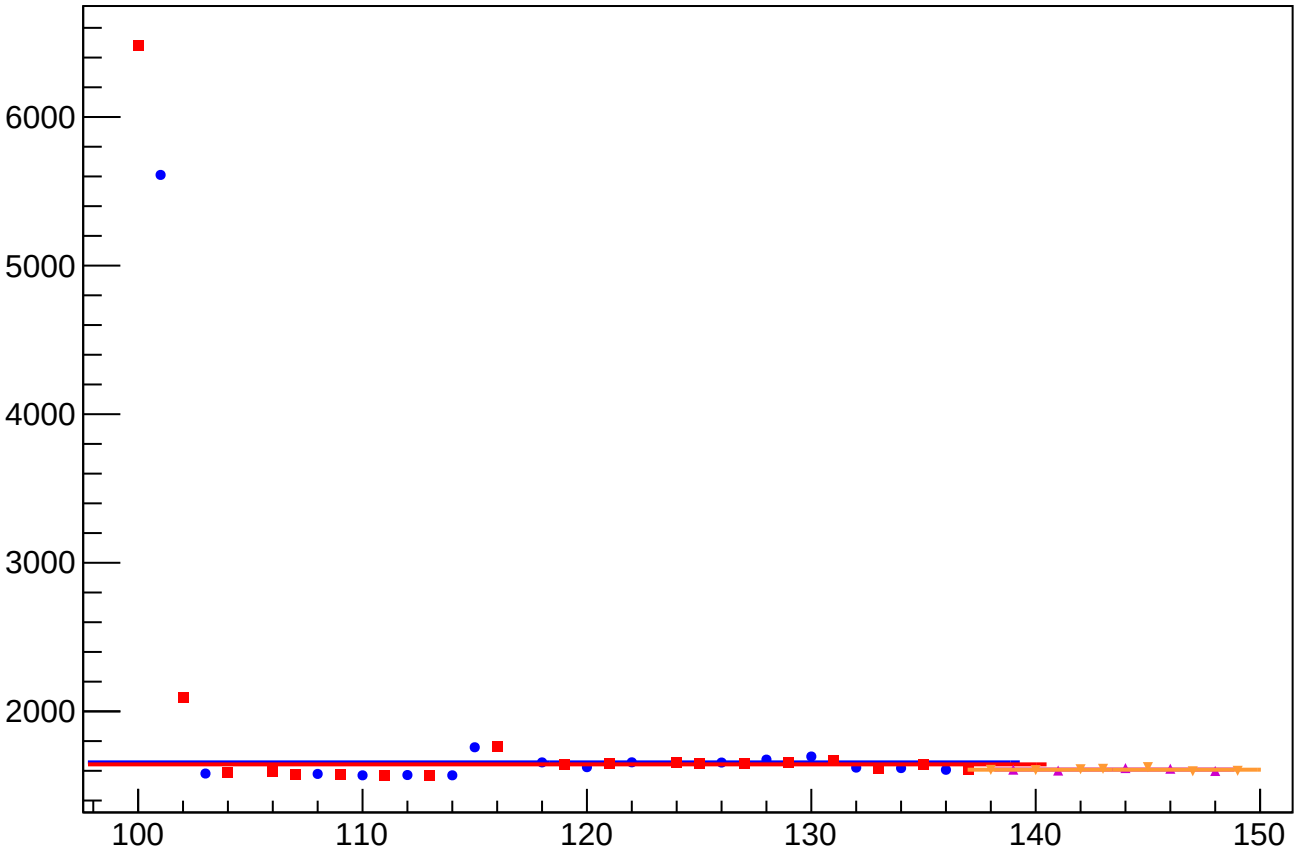
Left: 2481.731+/-515.430 χ^2/NDF: 16.0/11

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2724.792+/-487.432 χ^2/NDF:25.2/20

Out: 2140.067+/-457.978 χ^2/NDF:15.7/25

All: 2414.230+/-333.767 χ^2/NDF: 41.7/46



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.579+/-0.491 χ^2/NDF:324.7/6

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

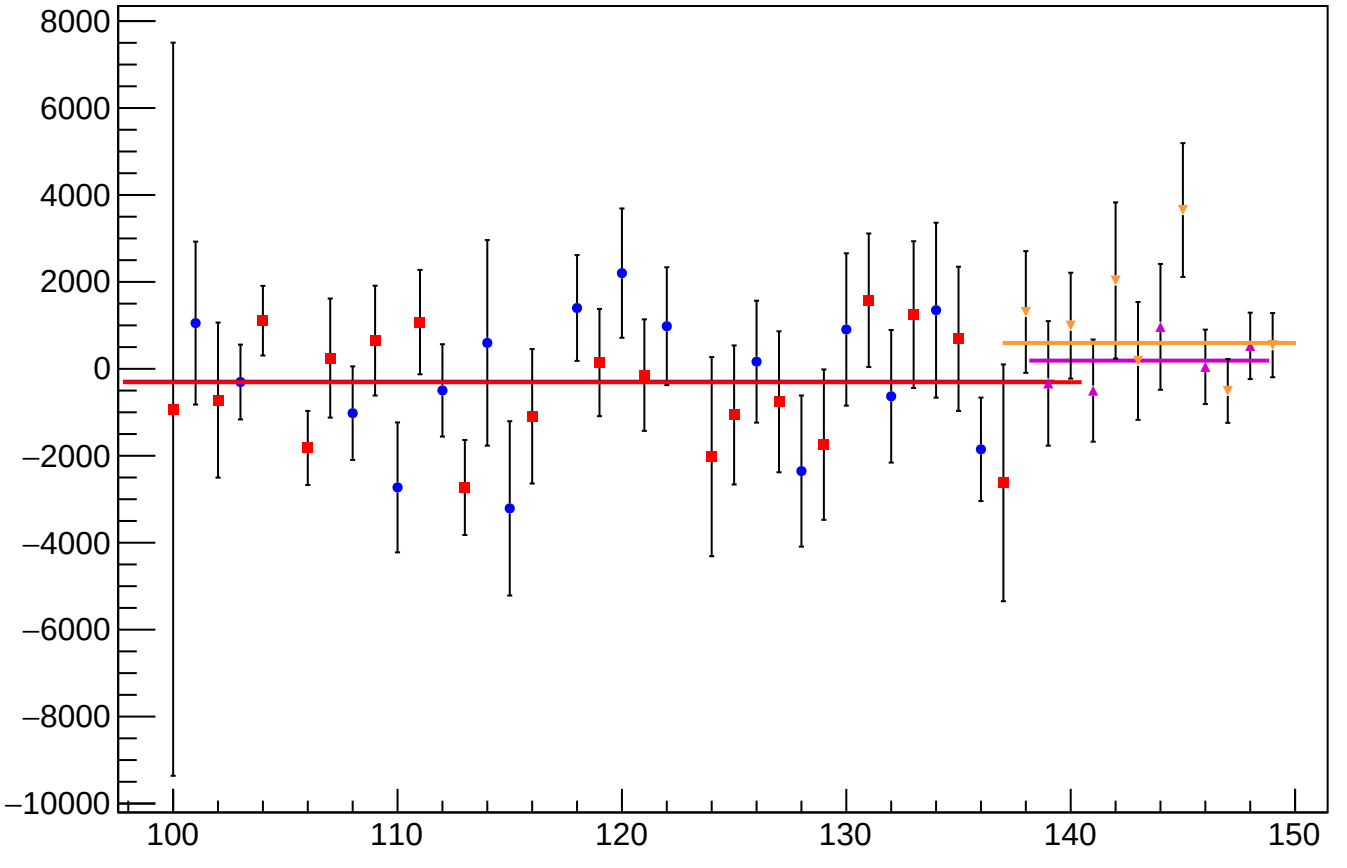
Left: 1607.948+/-0.364 χ^2/NDF: 509.5/11

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1637.281+/-0.345 χ^2/NDF:671126.9/20

Out: 1627.844+/-0.324 χ^2/NDF:140334.3/25

All: 1632.269+/-0.236 χ^2/NDF: 811859.4/46



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 595.496+/-403.194 χ^2/NDF:7.3/6

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: 418.327+/-302.673 χ^2/NDF: 8.7/11

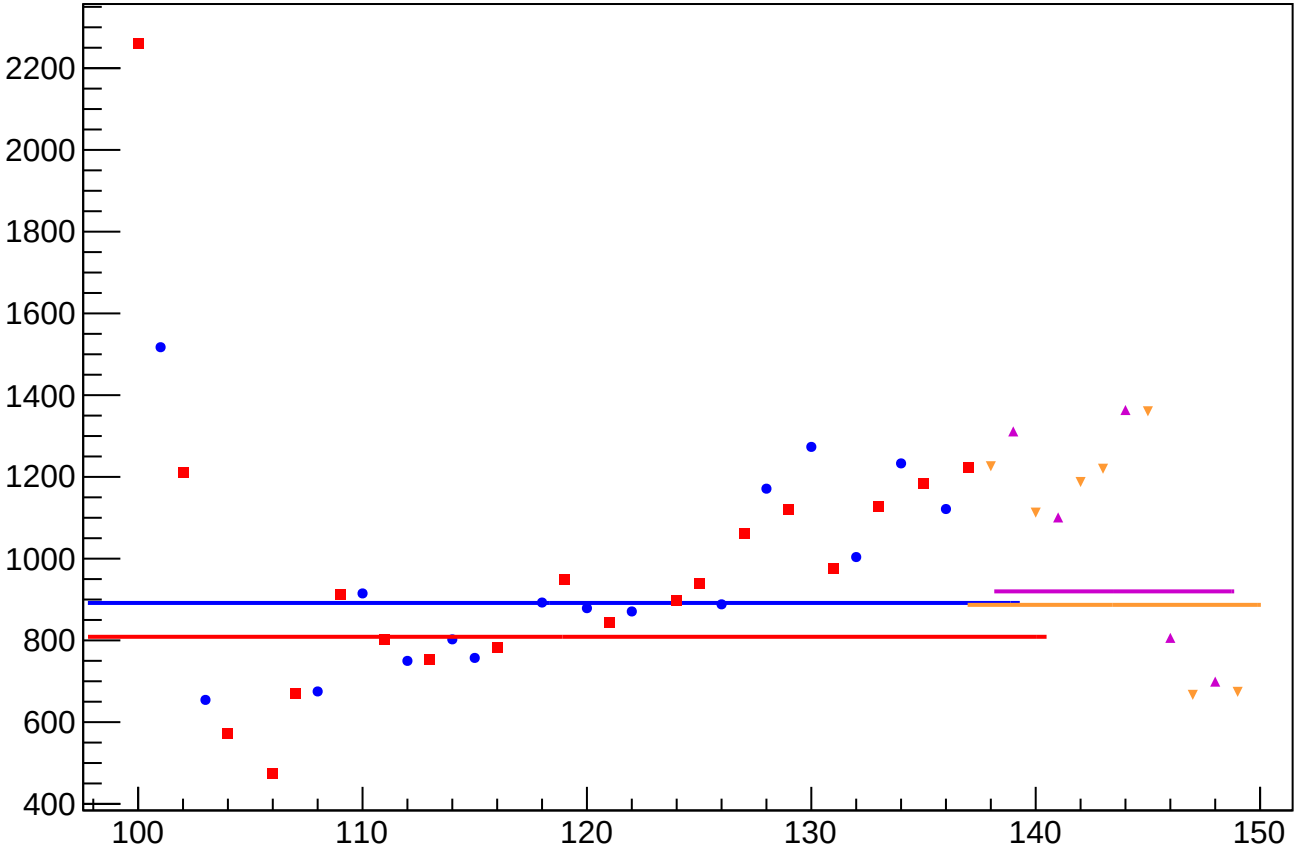
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -121.591+/-274.798 χ^2/NDF:17.7/20

Out: 31.916+/-247.232 χ^2/NDF:29.1/25

All: -36.754+/-183.795 χ^2/NDF: 47.0/46

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 886.963+/-0.285 χ^2/NDF:898274.1/6

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 919.916+/-0.324 χ^2/NDF:586683.6/4

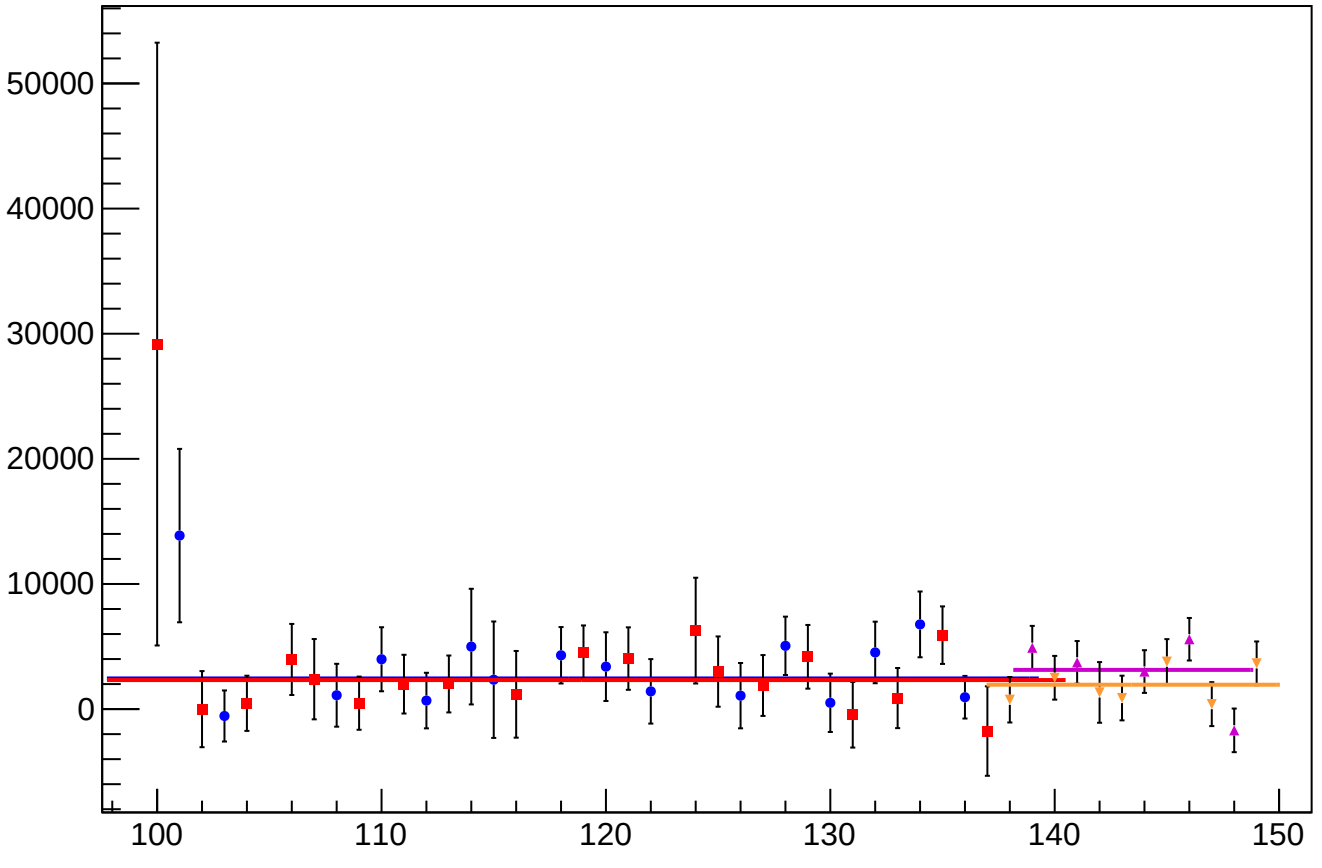
Left: 901.346+/-0.214 χ^2/NDF: 1490788.9/11

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 901.808+/-0.194 χ^2/NDF:1385460.8/20

Out: 838.195+/-0.175 χ^2/NDF:2029006.3/25

All: 866.652+/-0.130 χ^2/NDF: 3473700.2/46



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1949.540+/-694.575 χ^2/NDF:3.7/6

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: 2481.766+/-515.430 χ^2/NDF: 16.0/11

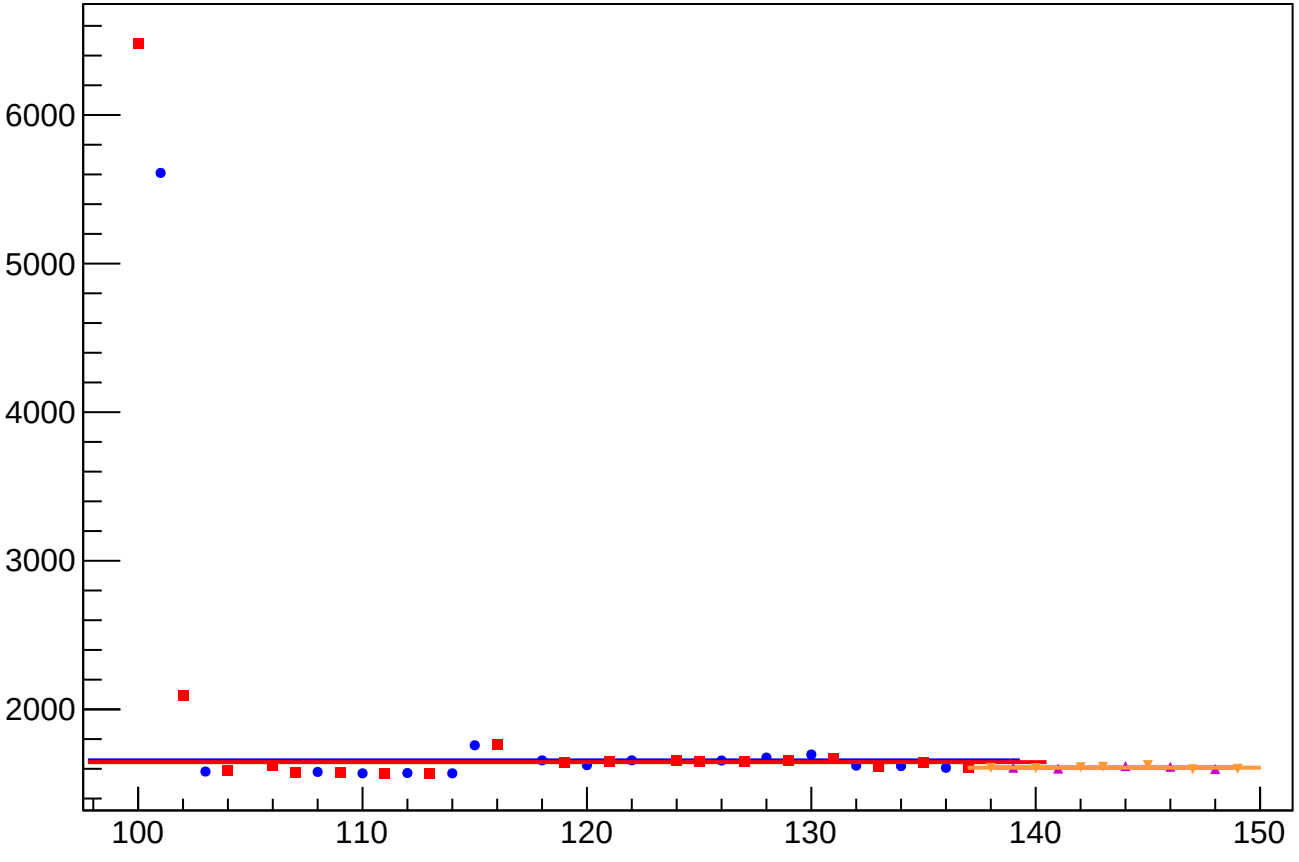
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2724.516+/-487.433 χ^2/NDF:25.2/20

Out: 2159.113+/-458.191 χ^2/NDF:16.0/25

All: 2424.347+/-333.849 χ^2/NDF: 41.9/46

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.580+/-0.491 χ^2/NDF:324.7/6

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

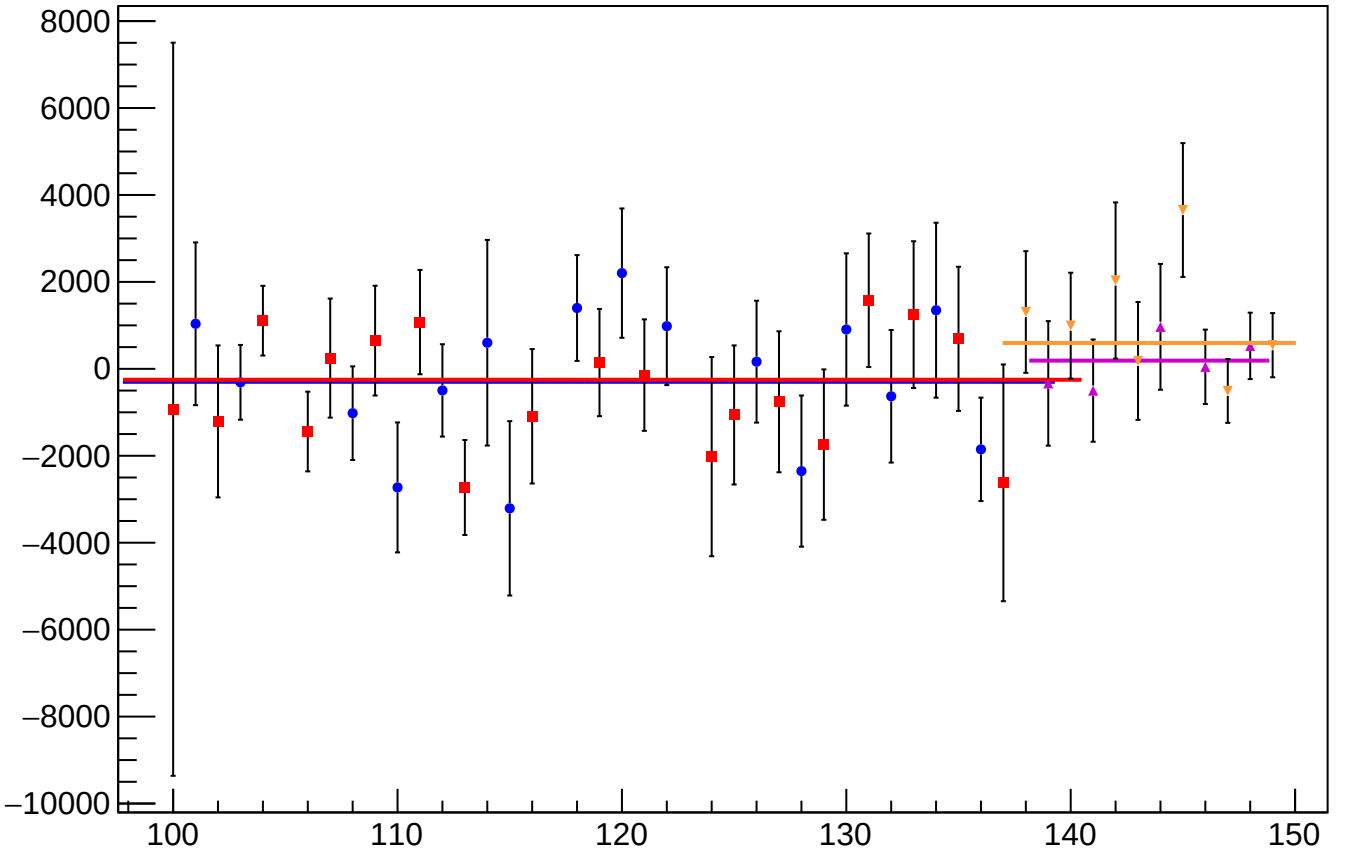
Left: 1607.948+/-0.364 χ^2/NDF: 509.5/11

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1637.281+/-0.345 χ^2/NDF:671126.4/20

Out: 1628.565+/-0.324 χ^2/NDF:140040.0/25

All: 1632.654+/-0.236 χ^2/NDF: 811506.0/46



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 595.360+/-403.187 χ^2/NDF:7.3/6

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 189.535+/-458.143 χ^2/NDF:1.0/4

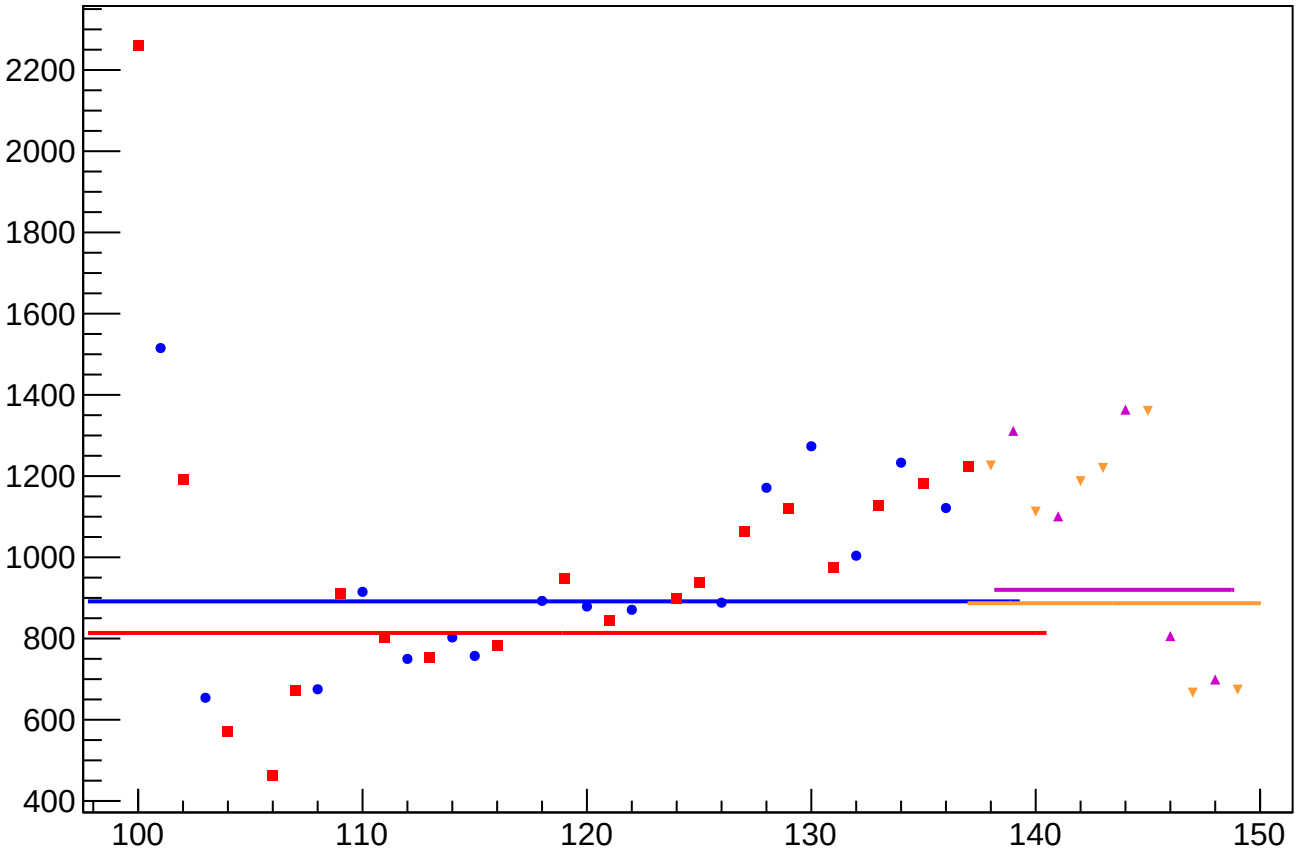
Left: 418.236+/-302.671 χ^2/NDF: 8.7/11

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -122.497+/-274.775 χ^2/NDF:17.7/20

Out: 70.603+/-248.591 χ^2/NDF:27.3/25

All: -16.310+/-184.344 χ^2/NDF: 45.2/46



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 886.944+/-0.285 χ^2/NDF:898306.8/6

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 919.918+/-0.324 χ^2/NDF:586697.5/4

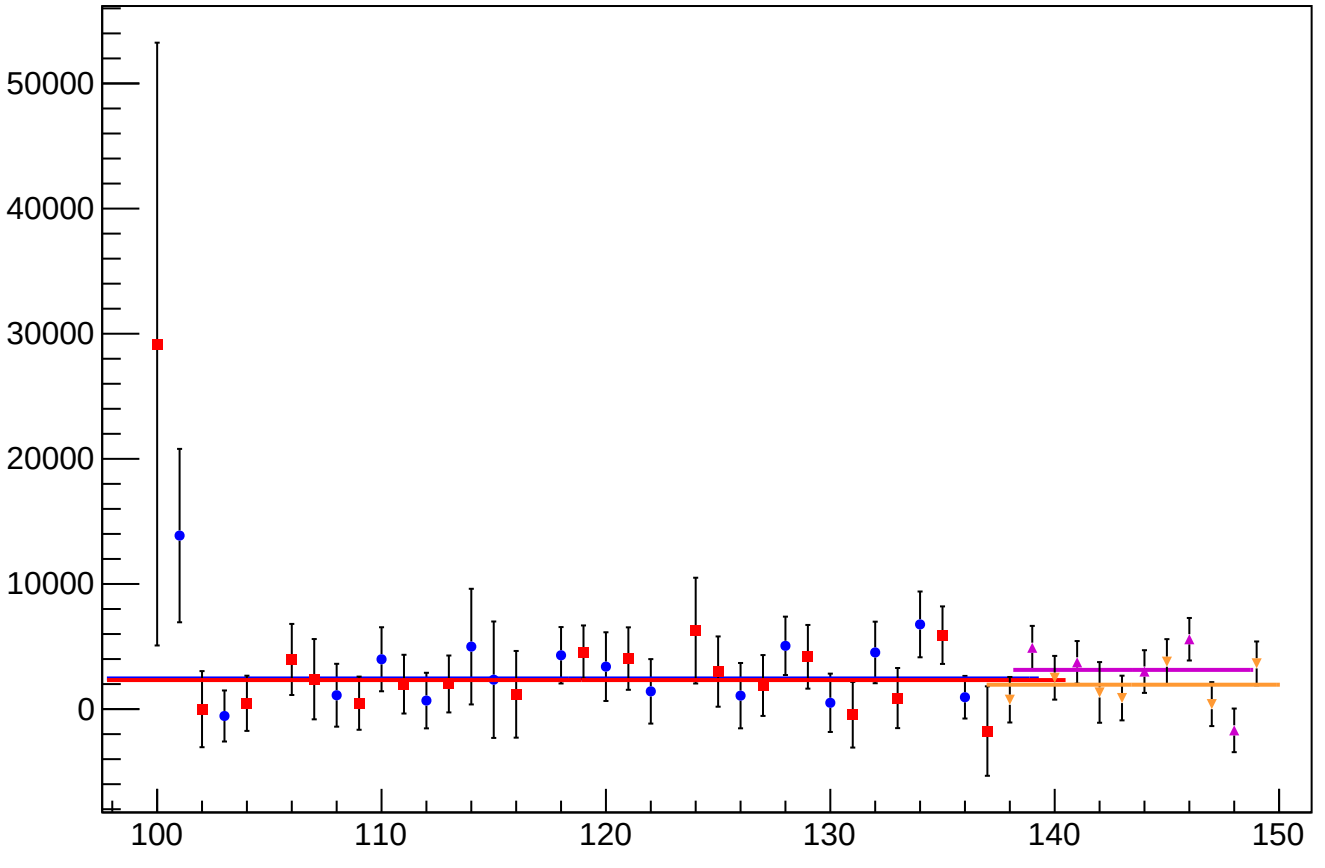
Left: 901.336+/-0.214 χ^2/NDF: 1490842.7/11

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 901.743+/-0.194 χ^2/NDF:1385270.4/20

Out: 841.610+/-0.176 χ^2/NDF:1992090.4/25

All: 868.676+/-0.130 χ^2/NDF: 3430034.1/46



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1949.540+/-694.575 χ^2/NDF:3.7/6

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3134.060+/-768.941 χ^2/NDF:10.9/4

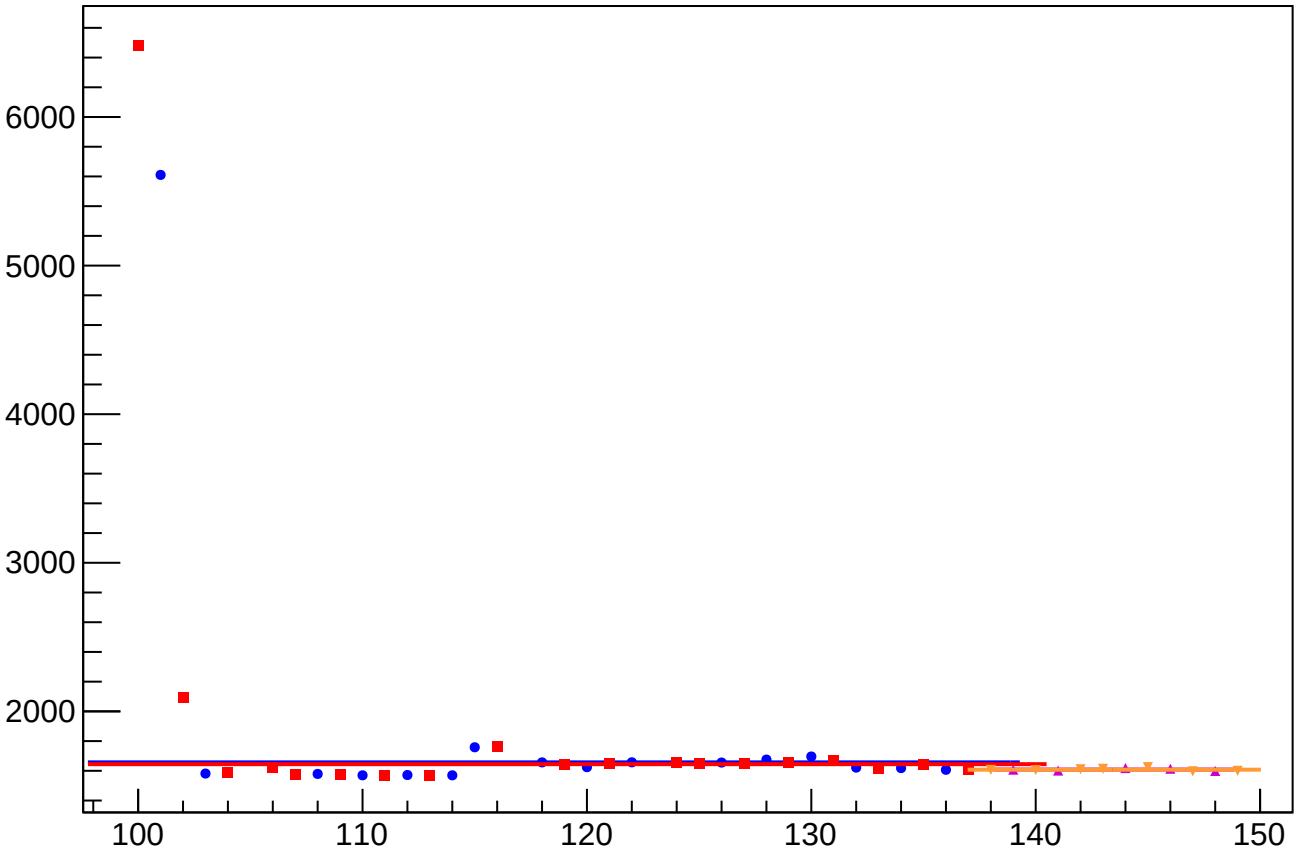
Left: 2481.766+/-515.430 χ^2/NDF: 16.0/11

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2724.516+/-487.433 χ^2/NDF:25.2/20

Out: 2159.113+/-458.191 χ^2/NDF:16.0/25

All: 2424.347+/-333.849 χ^2/NDF: 41.9/46



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.580+/-0.491 χ^2/NDF:324.7/6

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.399+/-0.544 χ^2/NDF:183.6/4

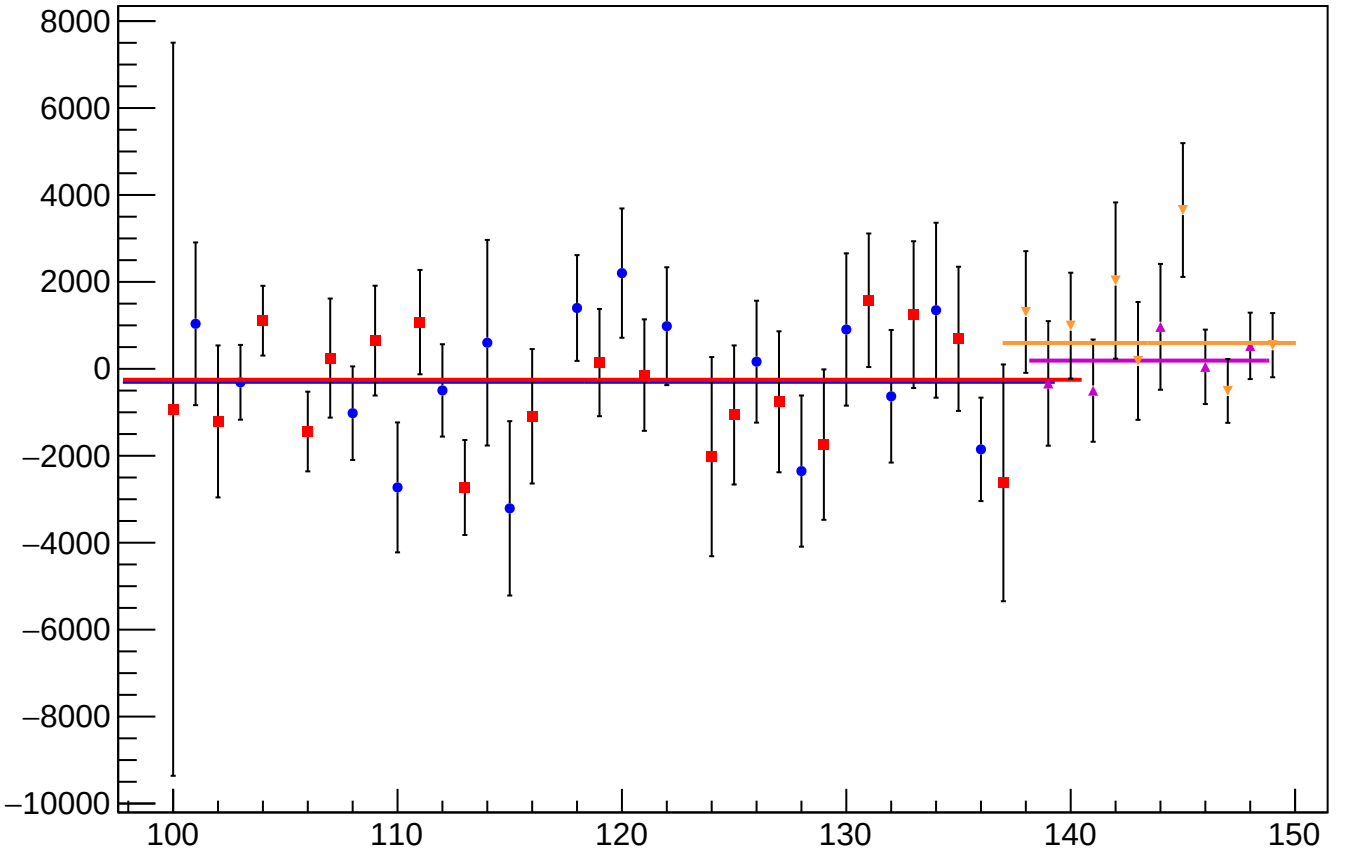
Left: 1607.948+/-0.364 χ^2/NDF: 509.5/11

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1637.281+/-0.345 χ^2/NDF:671126.4/20

Out: 1628.565+/-0.324 χ^2/NDF:140040.0/25

All: 1632.654+/-0.236 χ^2/NDF: 811506.0/46



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 595.360+/-403.187 χ^2/NDF:7.3/6

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: 418.236+/-302.671 χ^2/NDF: 8.7/11

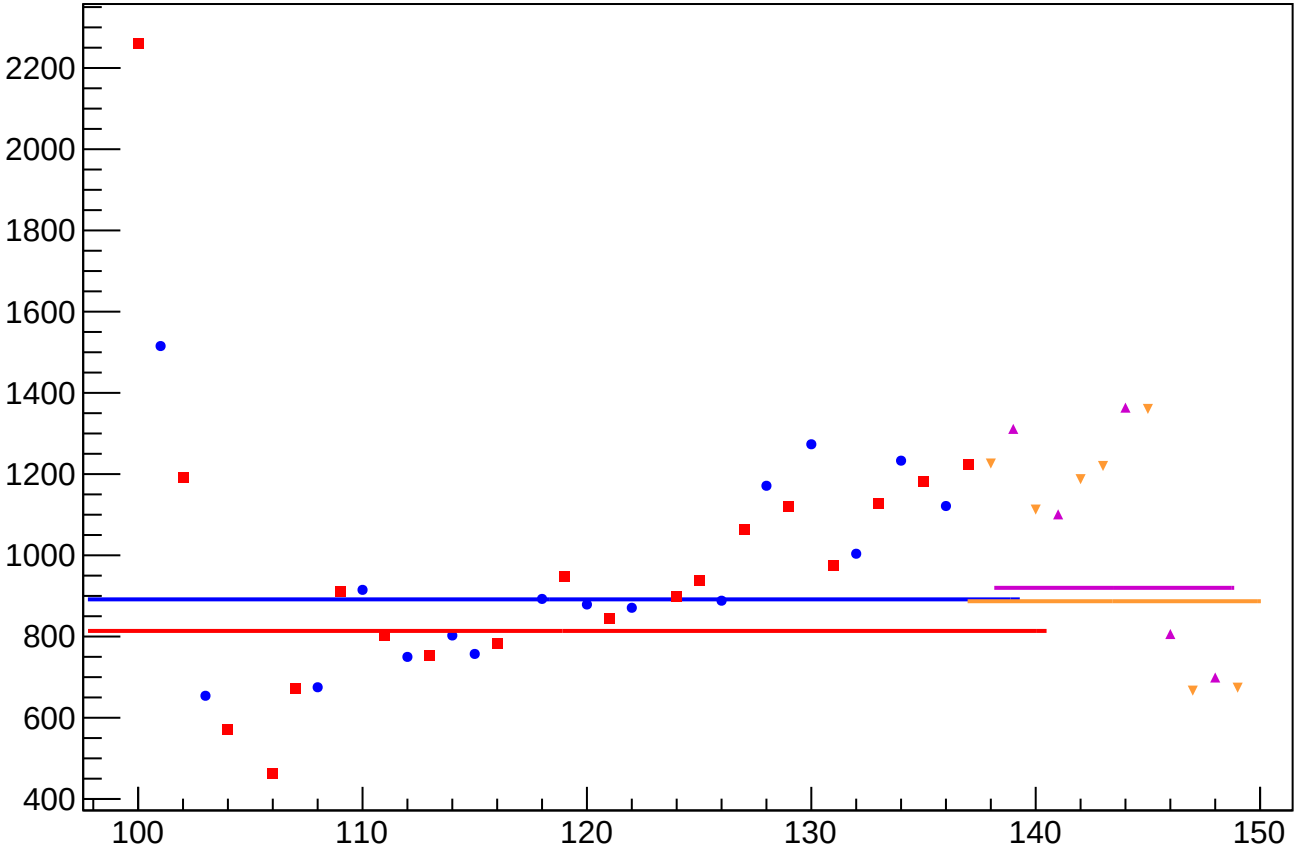
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -122.497+/-274.775 χ^2/NDF:17.7/20

Out: 70.603+/-248.591 χ^2/NDF:27.3/25

All: -16.310+/-184.344 χ^2/NDF: 45.2/46

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 886.944+/-0.285 χ^2/NDF:898306.8/6

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: 901.336+/-0.214 χ^2/NDF: 1490842.7/11

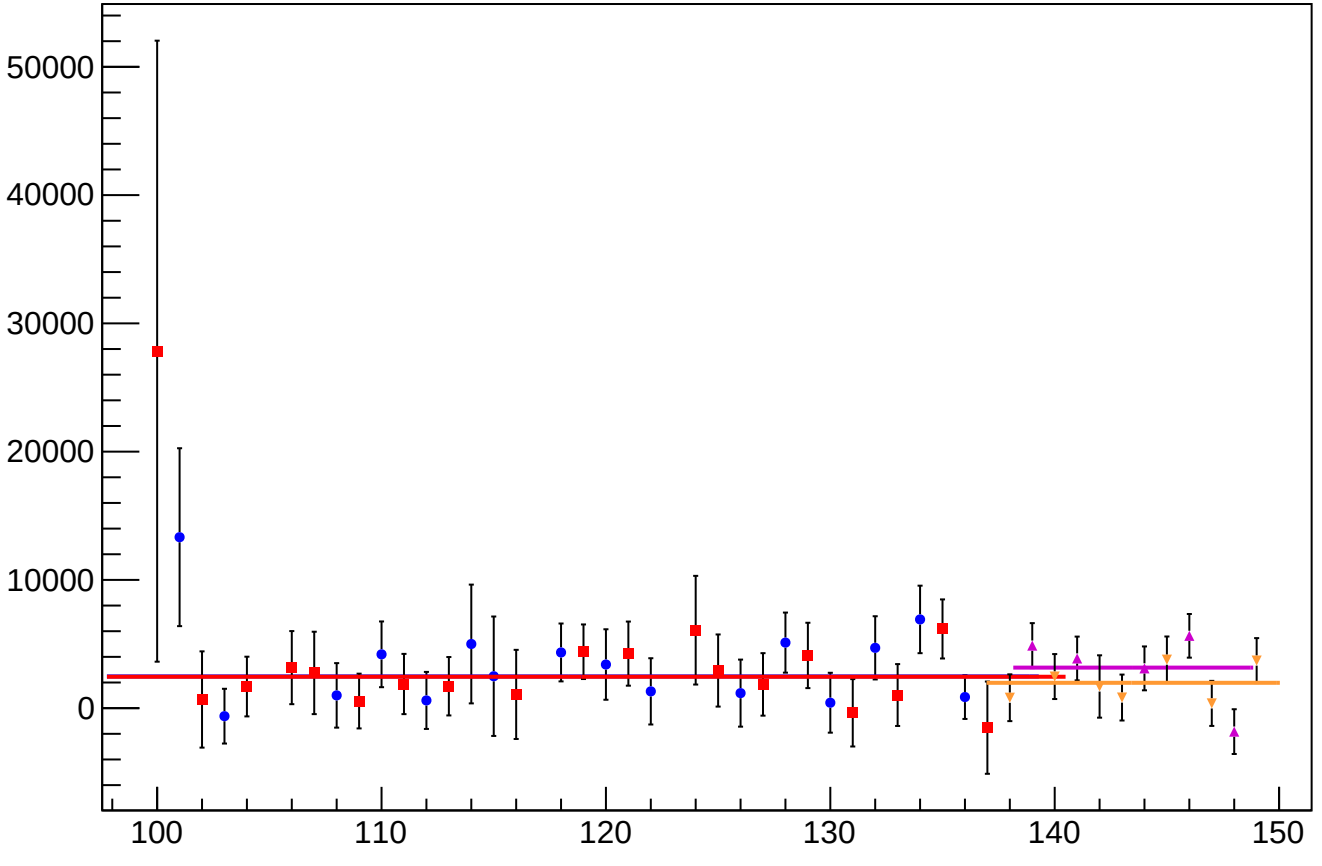
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 901.743+/-0.194 χ^2/NDF:1385270.4/20

Out: 841.610+/-0.176 χ^2/NDF:1992090.4/25

All: 868.676+/-0.130 χ^2/NDF: 3430034.1/46

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1977.198+/-696.007 χ^2/NDF:3.7/6

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3161.721+/-770.313 χ^2/NDF:11.4/4

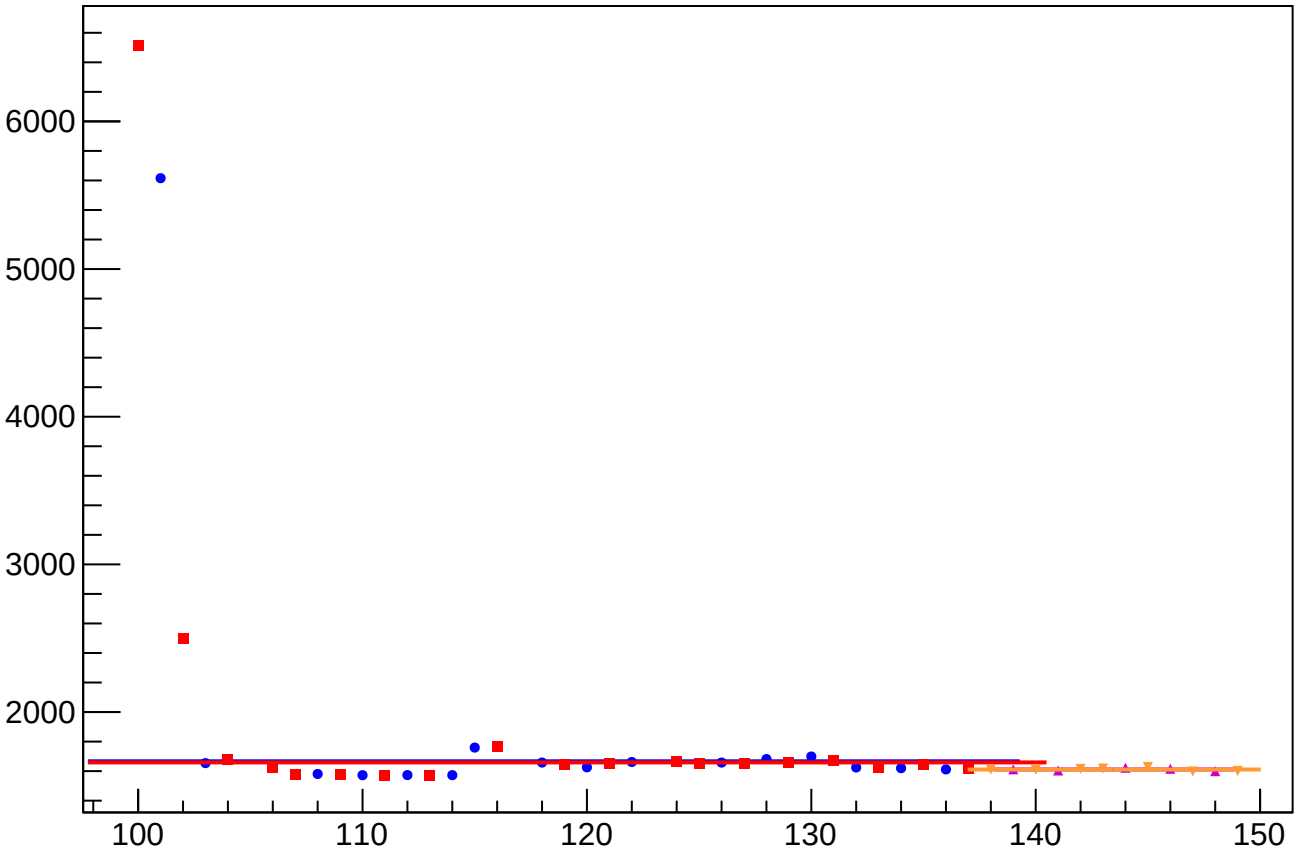
Left: 2509.588+/-516.428 χ^2/NDF: 16.5/11

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2752.391+/-489.459 χ^2/NDF:26.1/20

Out: 2241.216+/-461.925 χ^2/NDF:14.5/25

All: 2482.022+/-335.943 χ^2/NDF: 41.2/46



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.881+/-0.492 χ^2/NDF:393.3/6

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

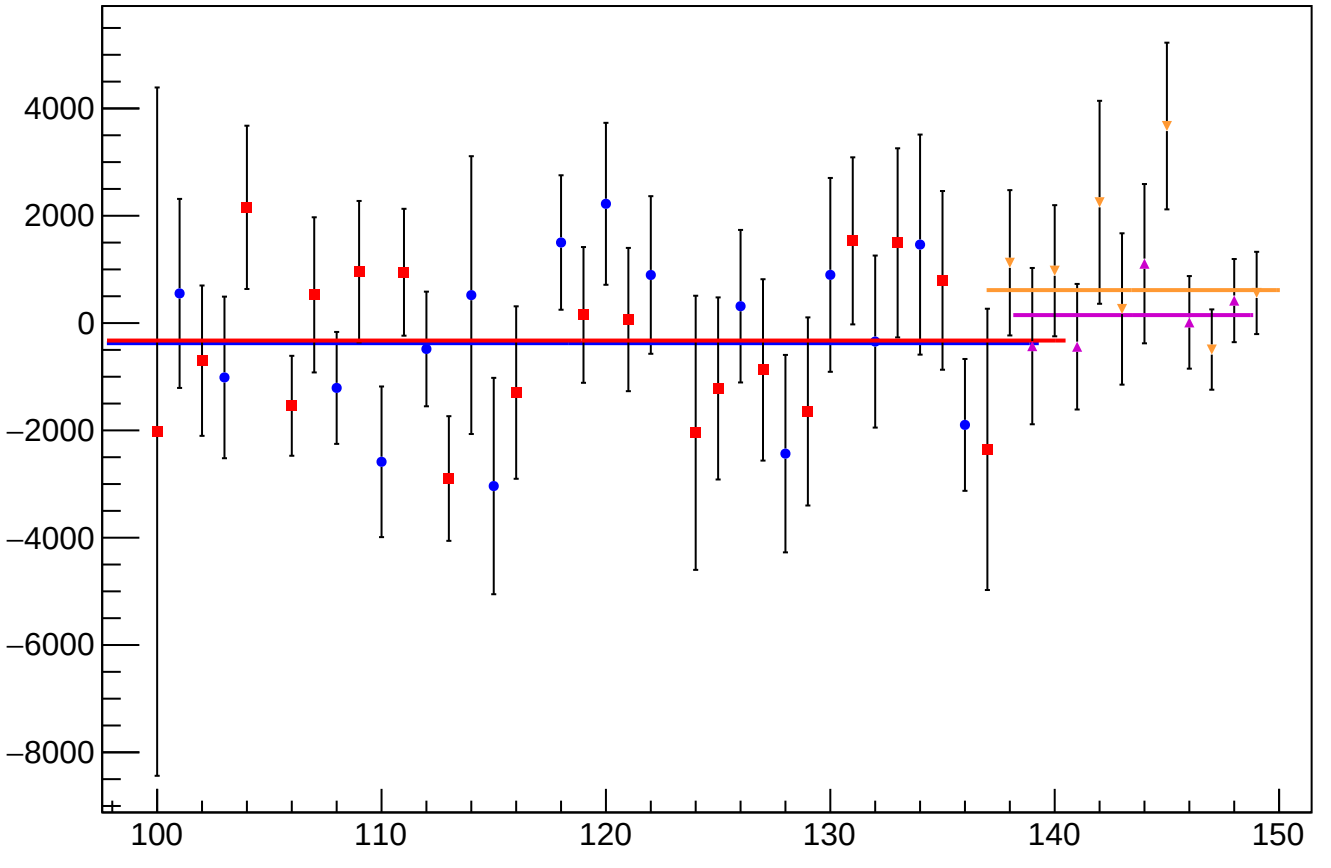
Left: 1611.041+/-0.365 χ^2/NDF: 618.9/11

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1644.128+/-0.346 χ^2/NDF:669255.5/20

Out: 1637.808+/-0.327 χ^2/NDF:198966.8/25

All: 1640.785+/-0.238 χ^2/NDF: 868398.7/46



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 614.347+/-411.768 χ^2/NDF:7.1/6

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 148.705+/-463.063 χ^2/NDF:1.0/4

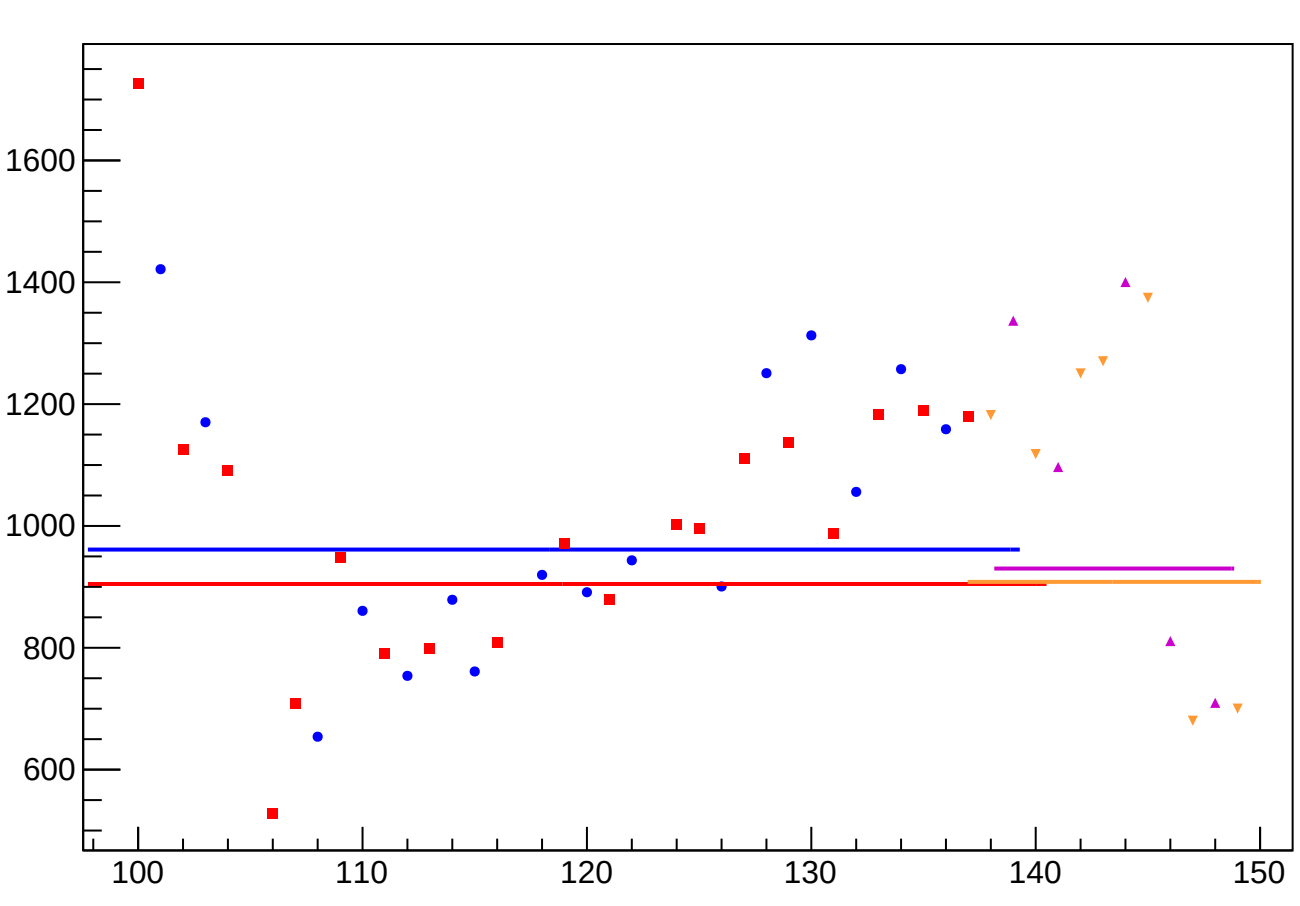
Left: 408.735+/-307.708 χ^2/NDF: 8.6/11

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -172.066+/-288.075 χ^2/NDF:17.5/20

Out: 56.236+/-262.460 χ^2/NDF:27.6/25

All: -47.316+/-194.012 χ^2/NDF: 45.4/46



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 908.193+/-0.291 χ^2/NDF:851002.5/6

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 930.091+/-0.327 χ^2/NDF:597263.8/4

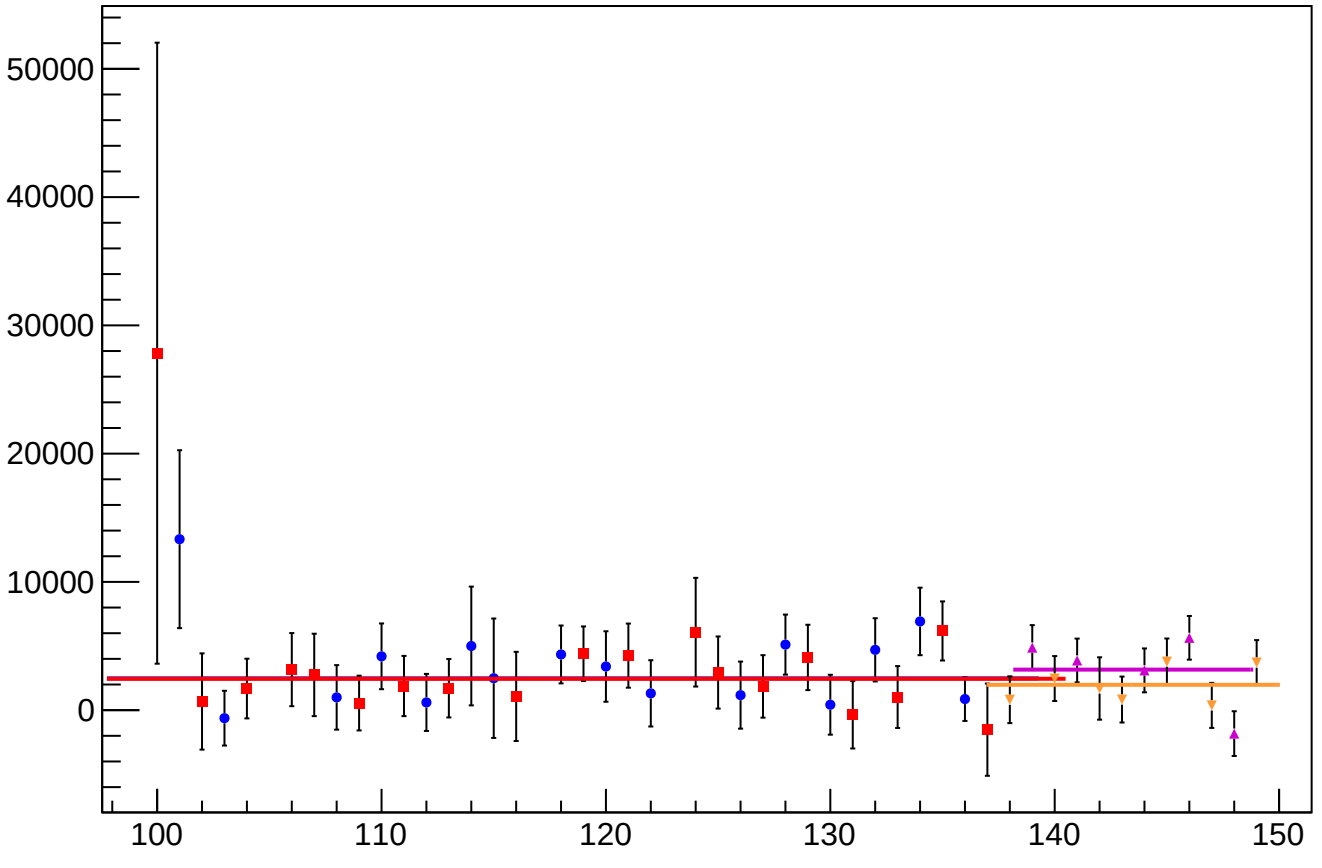
Left: 917.863+/-0.218 χ^2/NDF: 1450764.0/11

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 949.187+/-0.204 χ^2/NDF:1294687.3/20

Out: 906.141+/-0.186 χ^2/NDF:1587570.9/25

All: 925.665+/-0.137 χ^2/NDF: 2906659.4/46



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1977.200+/-696.007 χ^2/NDF:3.7/6

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3161.721+/-770.313 χ^2/NDF:11.4/4

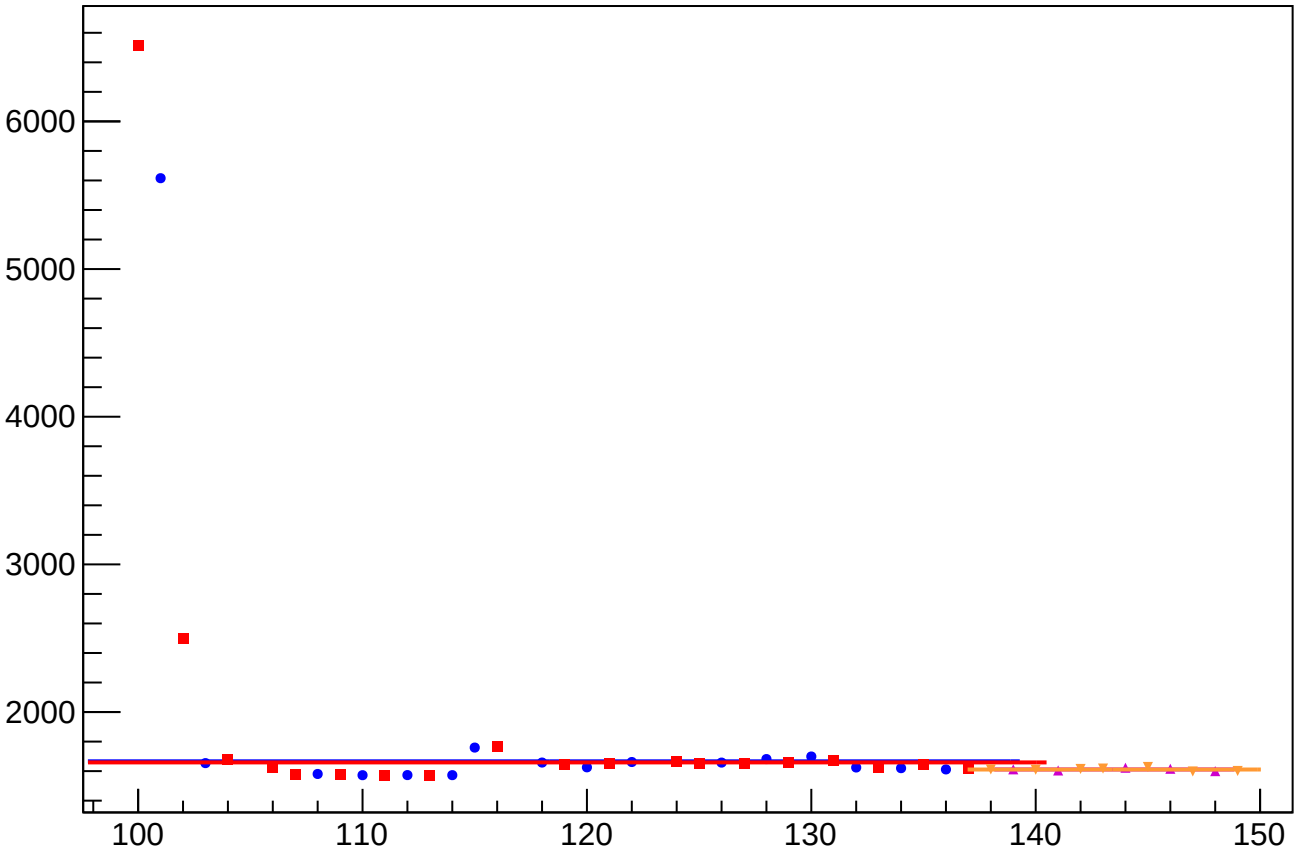
Left: 2509.589+/-516.428 χ^2/NDF: 16.5/11

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2752.390+/-489.459 χ^2/NDF:26.1/20

Out: 2241.217+/-461.925 χ^2/NDF:14.5/25

All: 2482.022+/-335.943 χ^2/NDF: 41.2/46



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.881+/-0.492 χ^2/NDF:393.3/6

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.236+/-0.545 χ^2/NDF:225.4/4

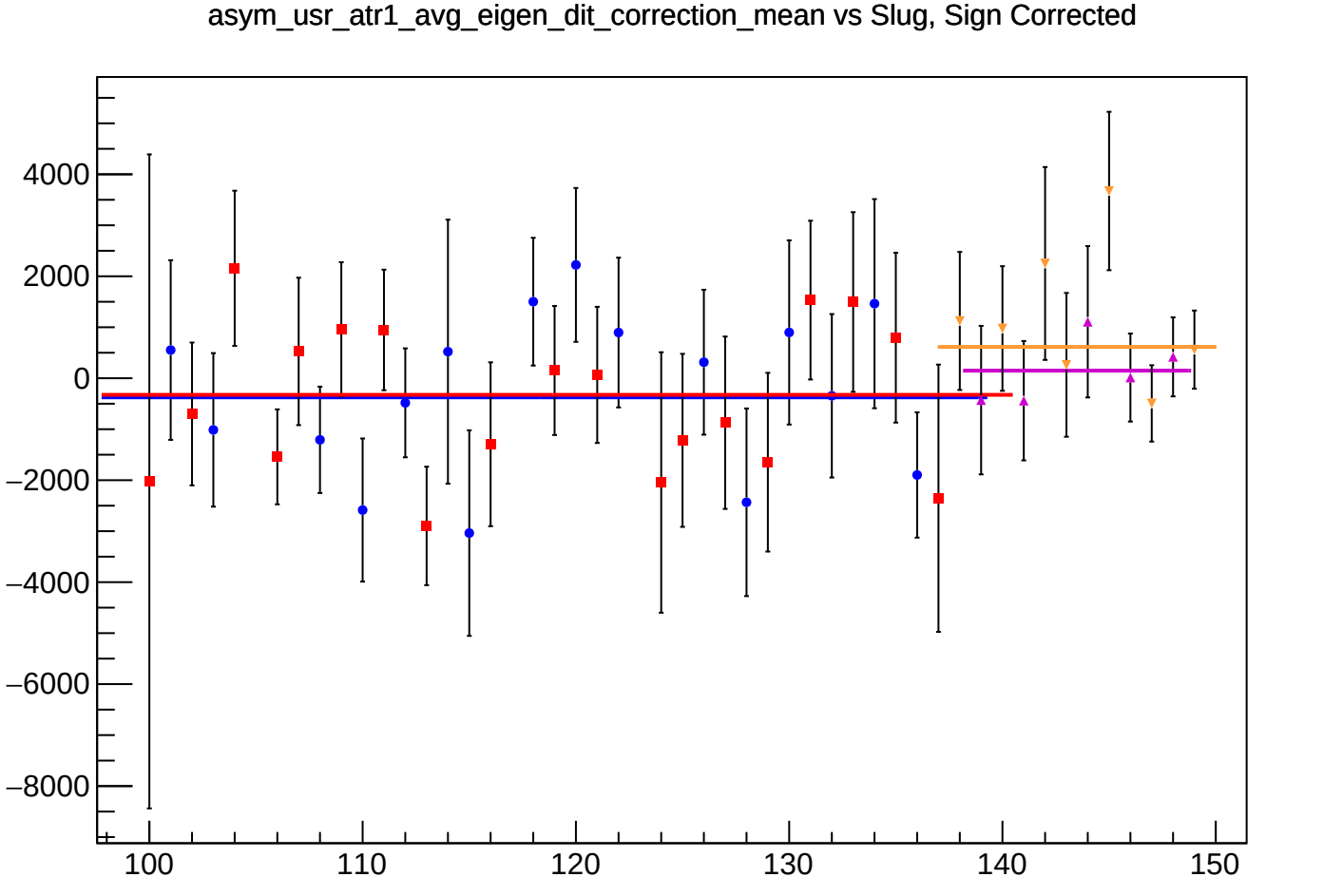
Left: 1611.041+/-0.365 χ^2/NDF: 618.9/11

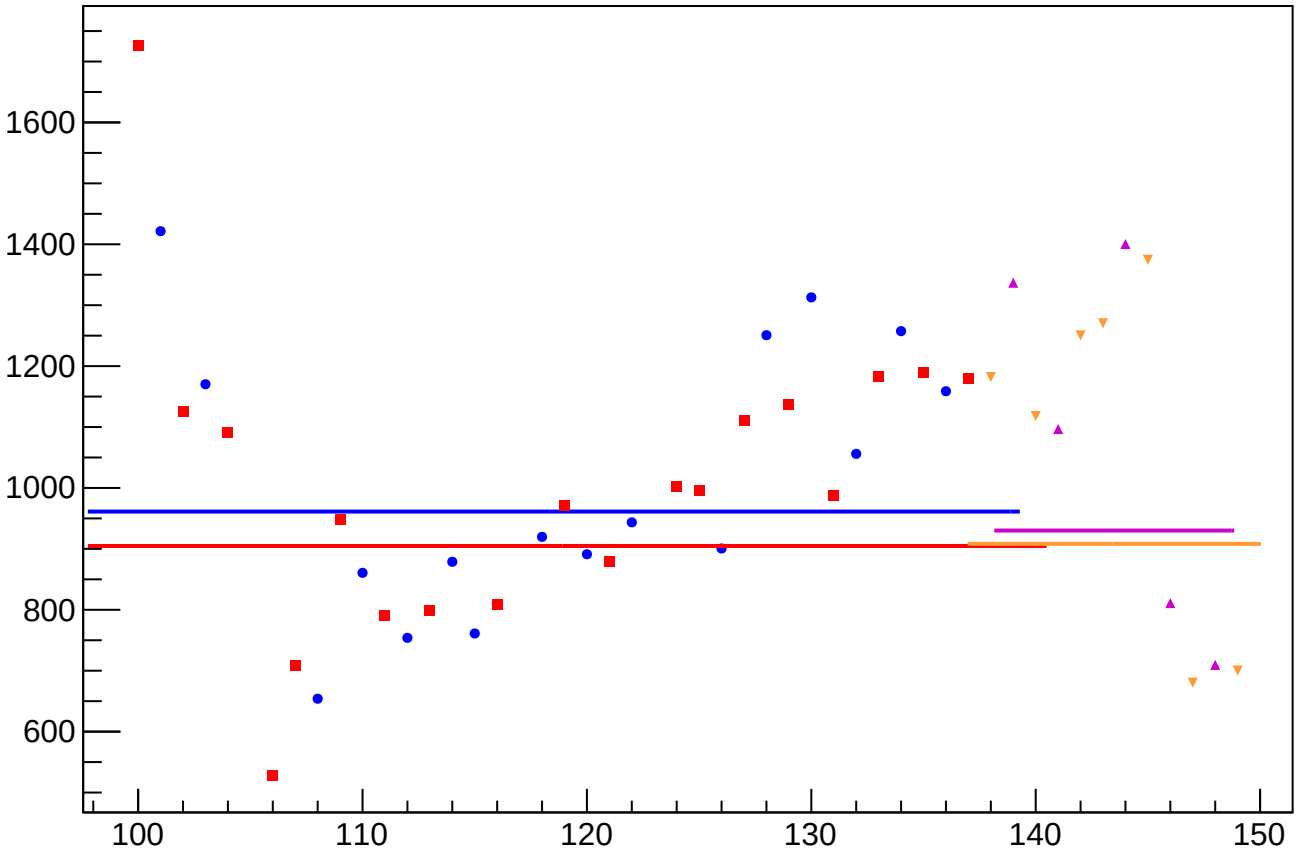
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1644.128+/-0.346 χ^2/NDF:669255.5/20

Out: 1637.808+/-0.327 χ^2/NDF:198966.6/25

All: 1640.785+/-0.238 χ^2/NDF: 868398.5/46


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 614.347+/-411.769 χ²/NDF:7.1/6
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 148.704+/-463.064 χ²/NDF:1.0/4
Left: 408.735+/-307.708 χ²/NDF: 8.6/11
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -172.067+/-288.075 χ²/NDF:17.5/20
Out: 56.234+/-262.460 χ²/NDF:27.6/25
All: -47.317+/-194.012 χ²/NDF: 45.4/46



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 908.195+/-0.291 χ^2/NDF:851003.7/6

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 930.093+/-0.327 χ^2/NDF:597265.1/4

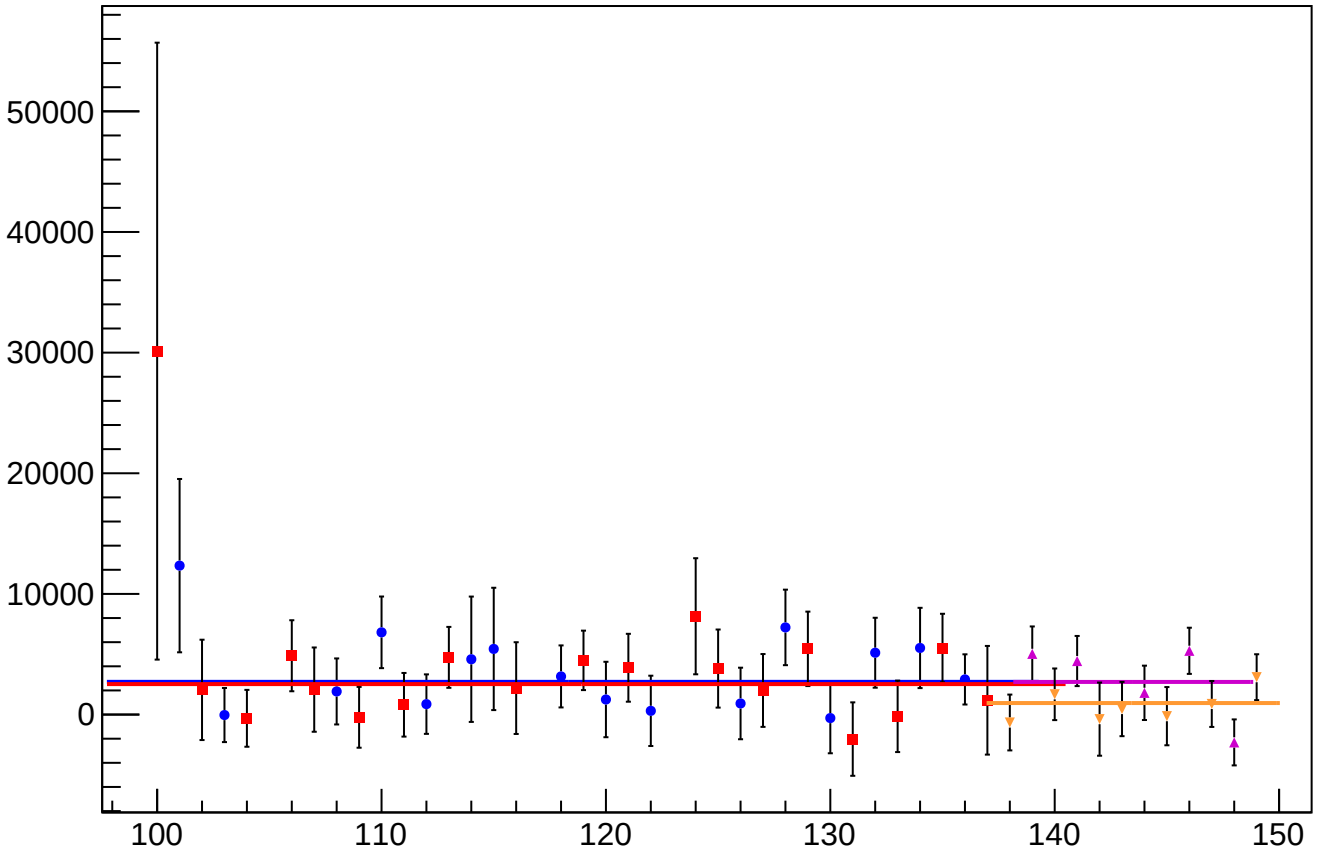
Left: 917.865+/-0.218 χ^2/NDF: 1450766.4/11

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 949.185+/-0.204 χ^2/NDF:1294694.5/20

Out: 906.140+/-0.186 χ^2/NDF:1587569.8/25

All: 925.664+/-0.137 χ^2/NDF: 2906664.6/46



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 954.778+/-834.468 χ^2/NDF:2.3/6

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: 1740.699+/-619.345 χ^2/NDF: 14.9/11

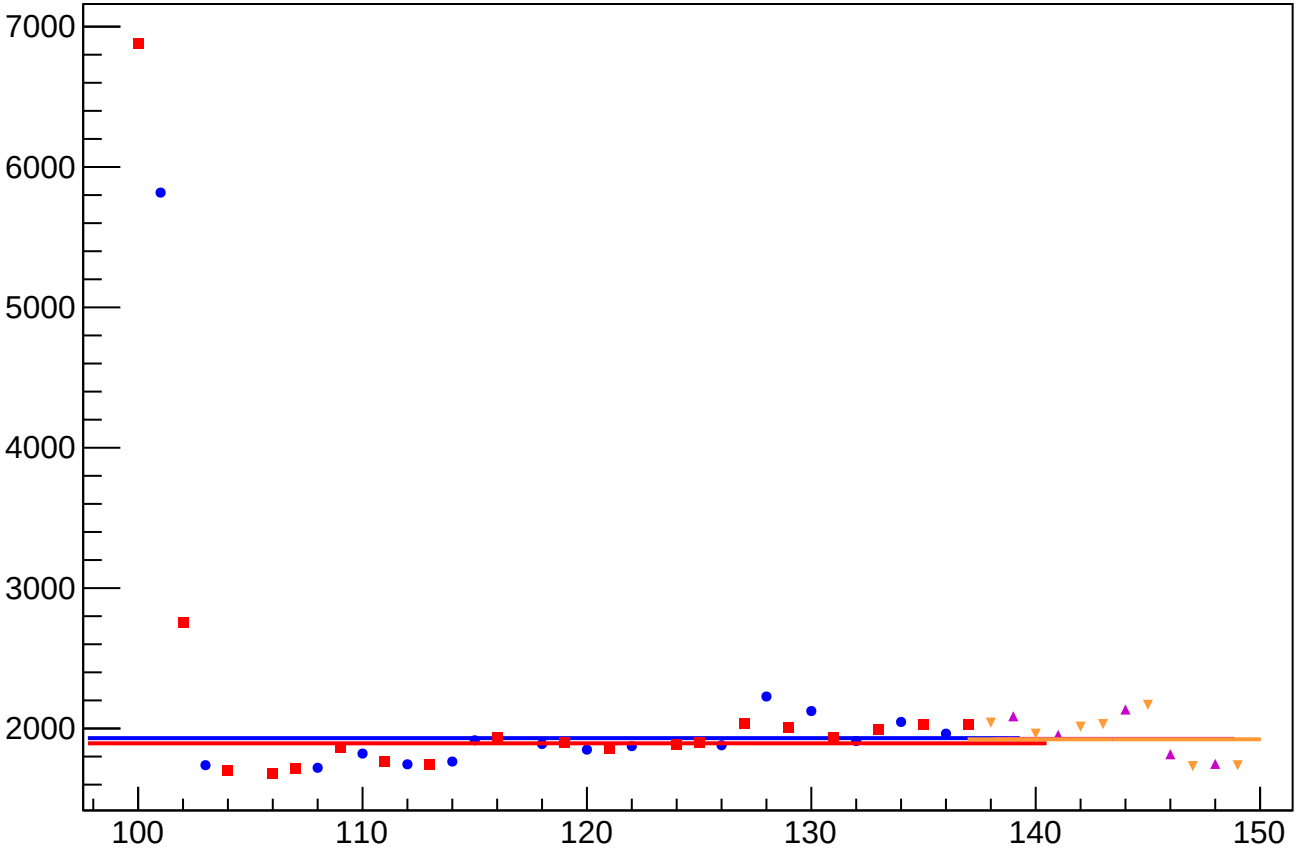
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2708.775+/-575.291 χ^2/NDF:22.8/20

Out: 1869.761+/-539.179 χ^2/NDF:17.6/25

All: 2262.110+/-393.404 χ^2/NDF: 41.5/46

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1923.017+/-0.590 χ^2/NDF:72192.7/6

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1925.991+/-0.653 χ^2/NDF:51629.5/4

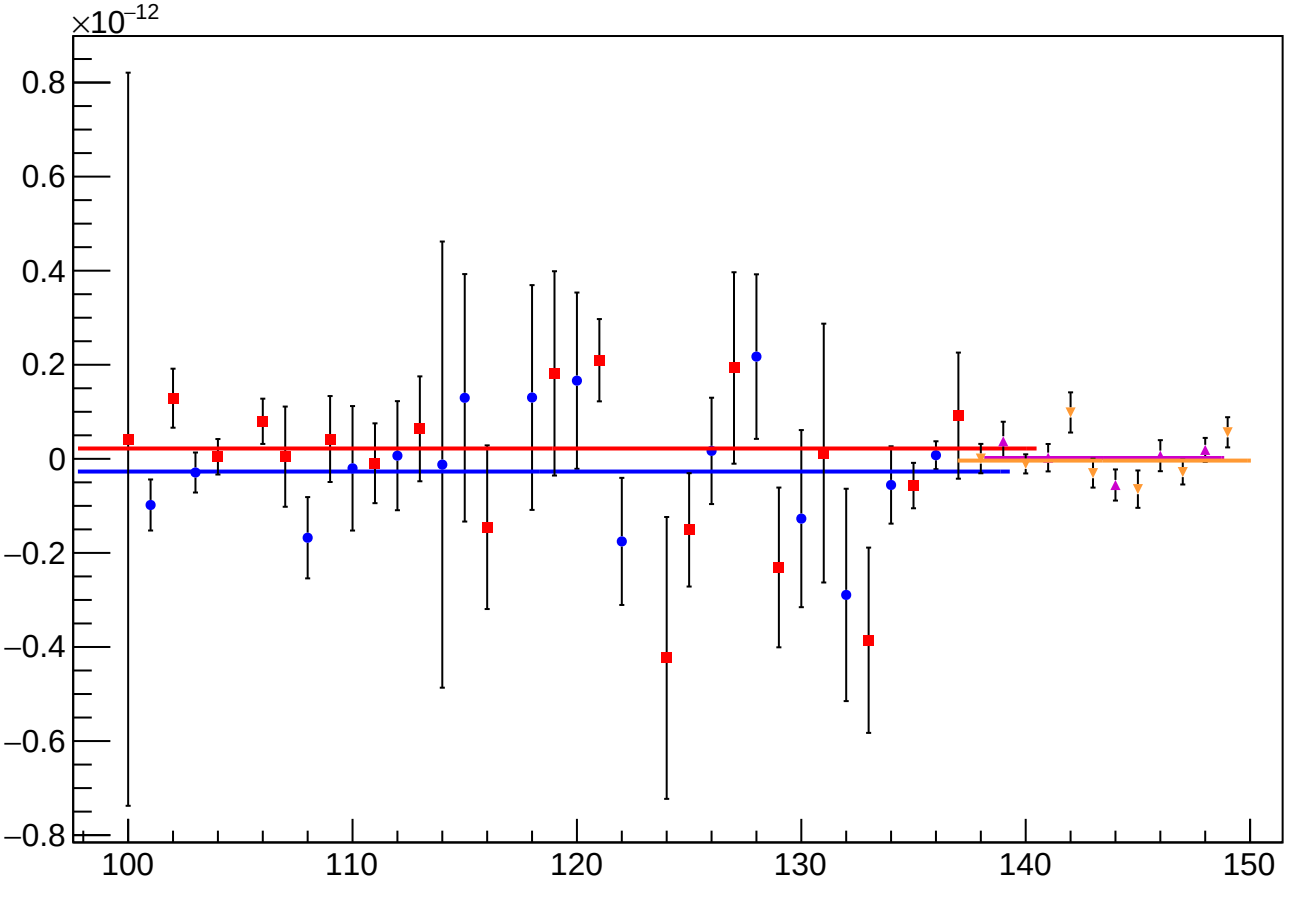
Left: 1924.352+/-0.438 χ^2/NDF: 123833.6/11

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1929.212+/-0.407 χ^2/NDF:712896.2/20

Out: 1906.317+/-0.381 χ^2/NDF:294108.8/25

All: 1917.024+/-0.278 χ^2/NDF: 1008691.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/4

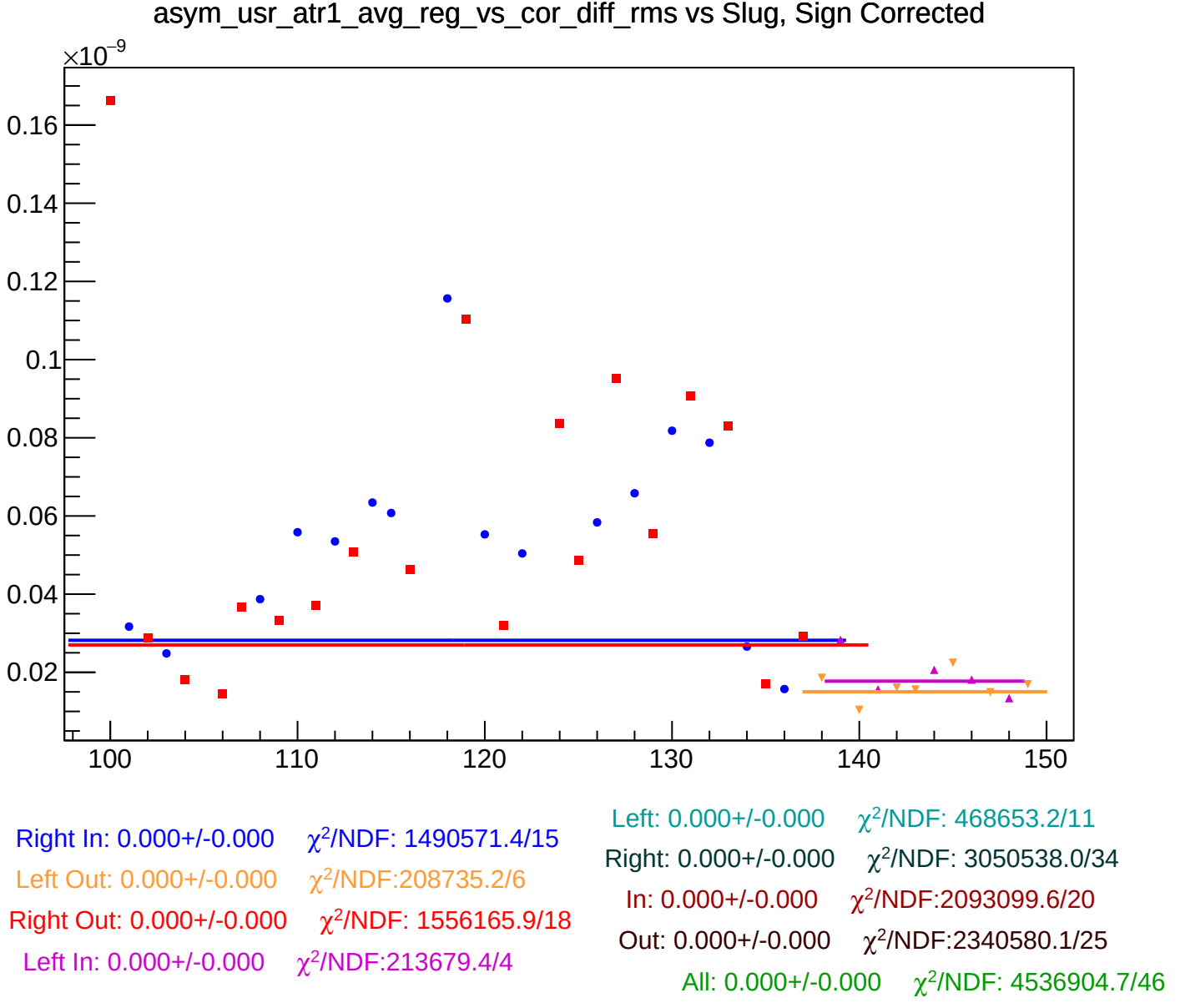
Left: -0.000+/-0.000 χ^2/NDF: 17.6/11

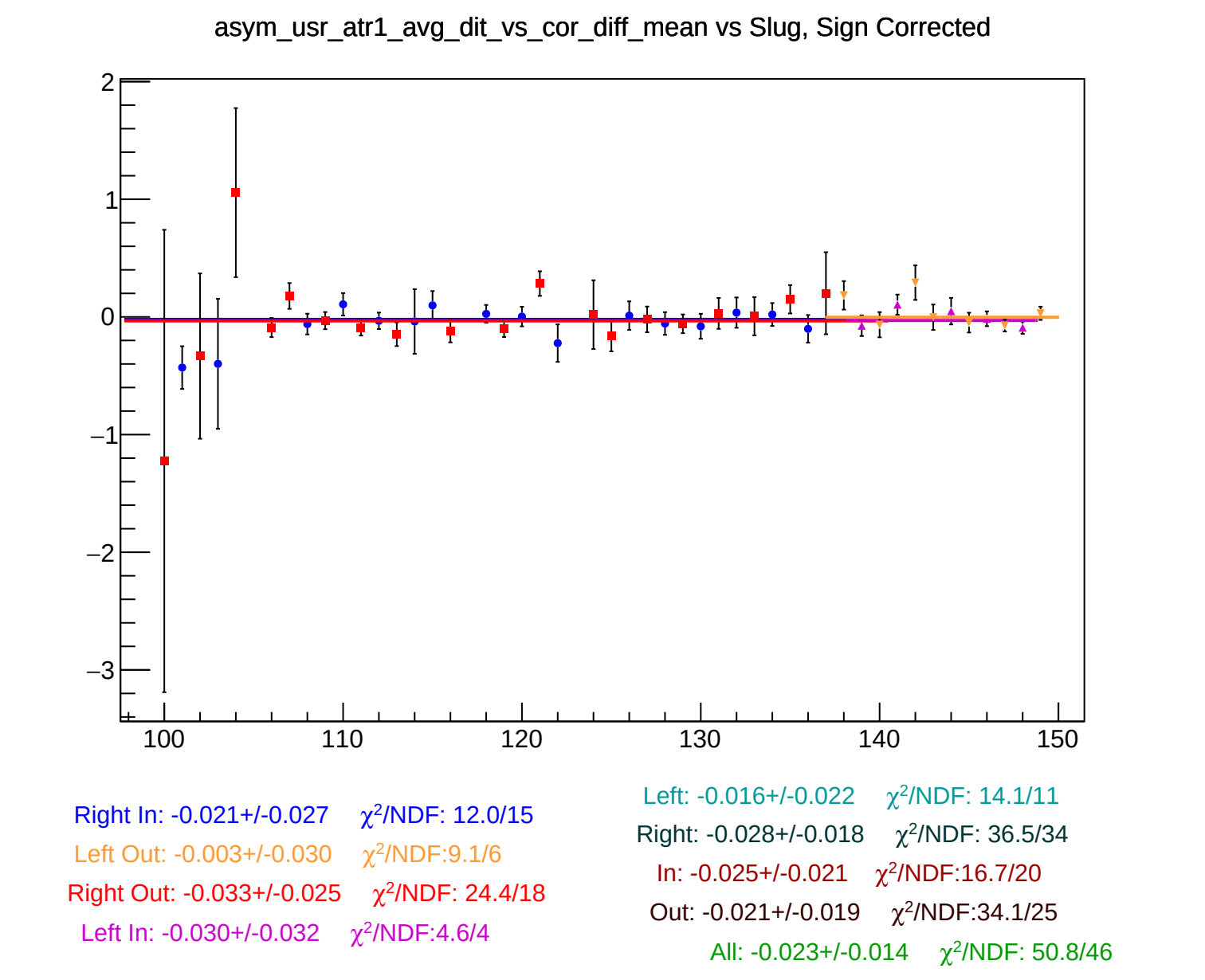
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

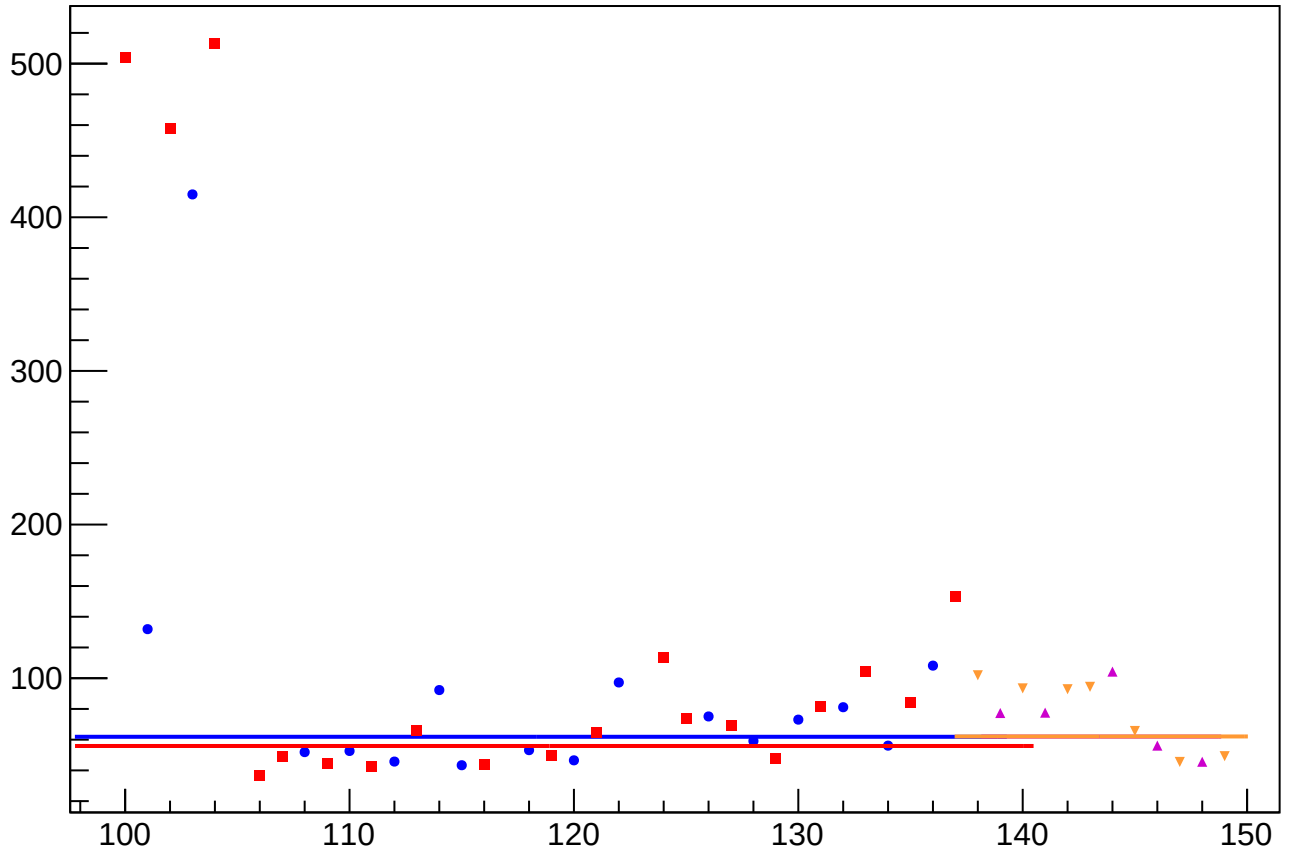
In: -0.000+/-0.000 χ^2/NDF:18.4/20

Out: 0.000+/-0.000 χ^2/NDF:40.1/25

All: -0.000+/-0.000 χ^2/NDF: 59.0/46


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:208735.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 1556165.9/18
Left In: 0.000+/-0.000 χ²/NDF:213679.4/4
Left: 0.000+/-0.000 χ²/NDF: 468653.2/11
Right: 0.000+/-0.000 χ²/NDF: 3050538.0/34
In: 0.000+/-0.000 χ²/NDF:2093099.6/20
Out: 0.000+/-0.000 χ²/NDF:2340580.1/25
All: 0.000+/-0.000 χ²/NDF: 4536904.7/46


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: -0.003+/-0.030 χ²/NDF:9.1/6
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.030+/-0.032 χ²/NDF:4.6/4
Left: -0.016+/-0.022 χ²/NDF: 14.1/11
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.025+/-0.021 χ²/NDF:16.7/20
Out: -0.021+/-0.019 χ²/NDF:34.1/25
All: -0.023+/-0.014 χ²/NDF: 50.8/46



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 62.085+/-0.021 χ^2/NDF:964612.2/6

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: 62.047+/-0.016 χ^2/NDF: 1584888.6/11

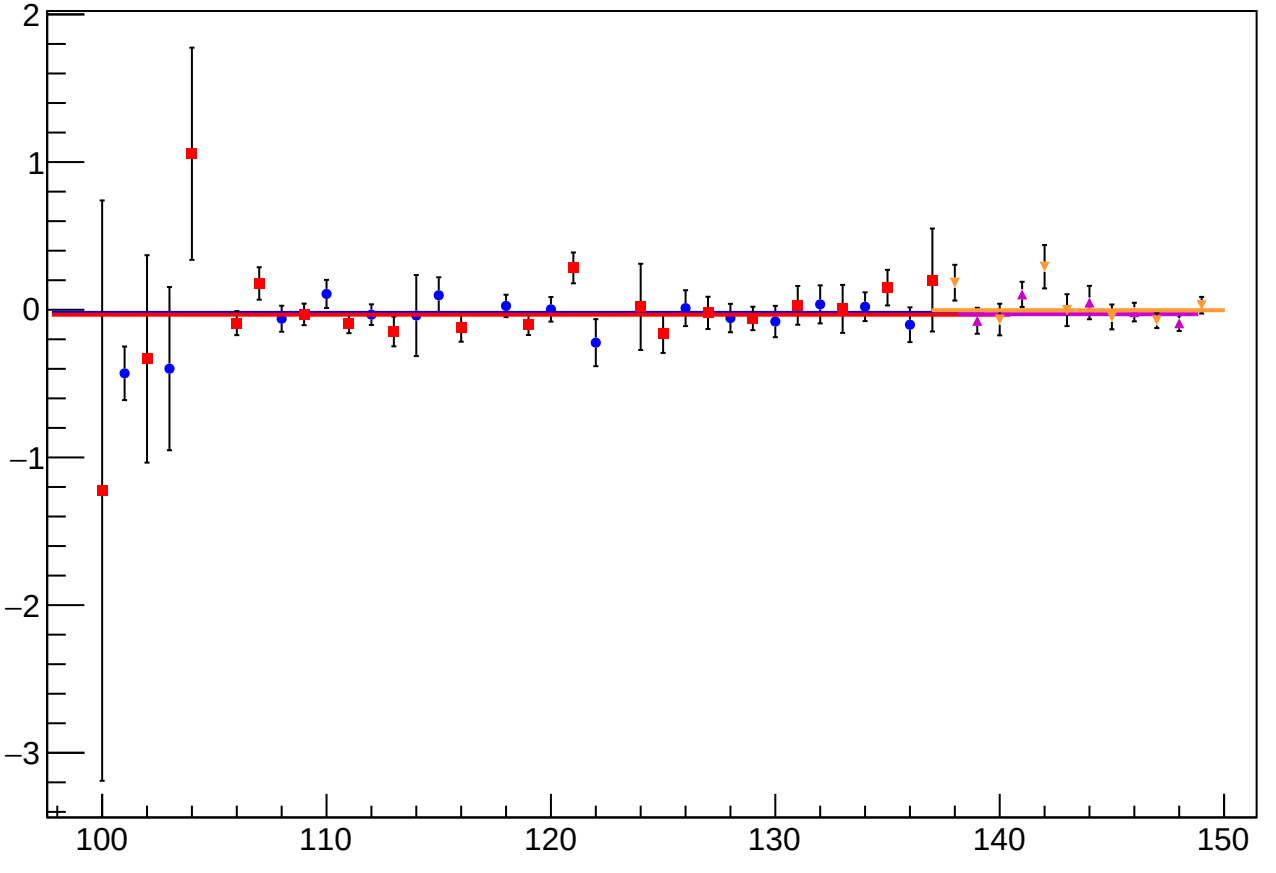
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 61.928+/-0.014 χ^2/NDF:2558242.2/20

Out: 58.379+/-0.013 χ^2/NDF:3606989.3/25

All: 60.019+/-0.010 χ^2/NDF: 6197447.9/46

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.003+/-0.030 χ^2/NDF:9.1/6

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.030+/-0.032 χ^2/NDF:4.6/4

Left: -0.016+/-0.022 χ^2/NDF: 14.1/11

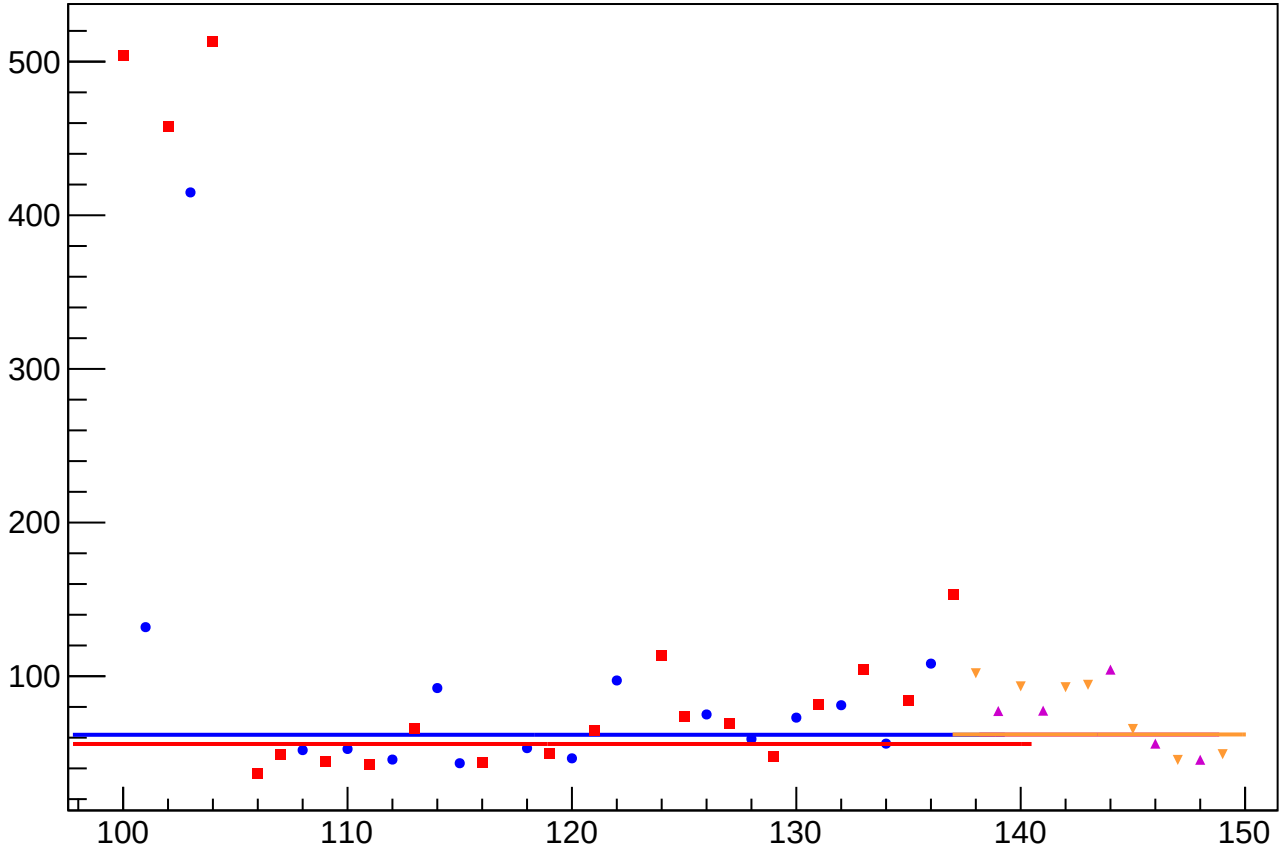
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.025+/-0.021 χ^2/NDF:16.7/20

Out: -0.021+/-0.019 χ^2/NDF:34.1/25

All: -0.023+/-0.014 χ^2/NDF: 50.8/46

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: 62.085+/-0.021 χ^2/NDF:964612.2/6

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 62.004+/-0.023 χ^2/NDF:620269.6/4

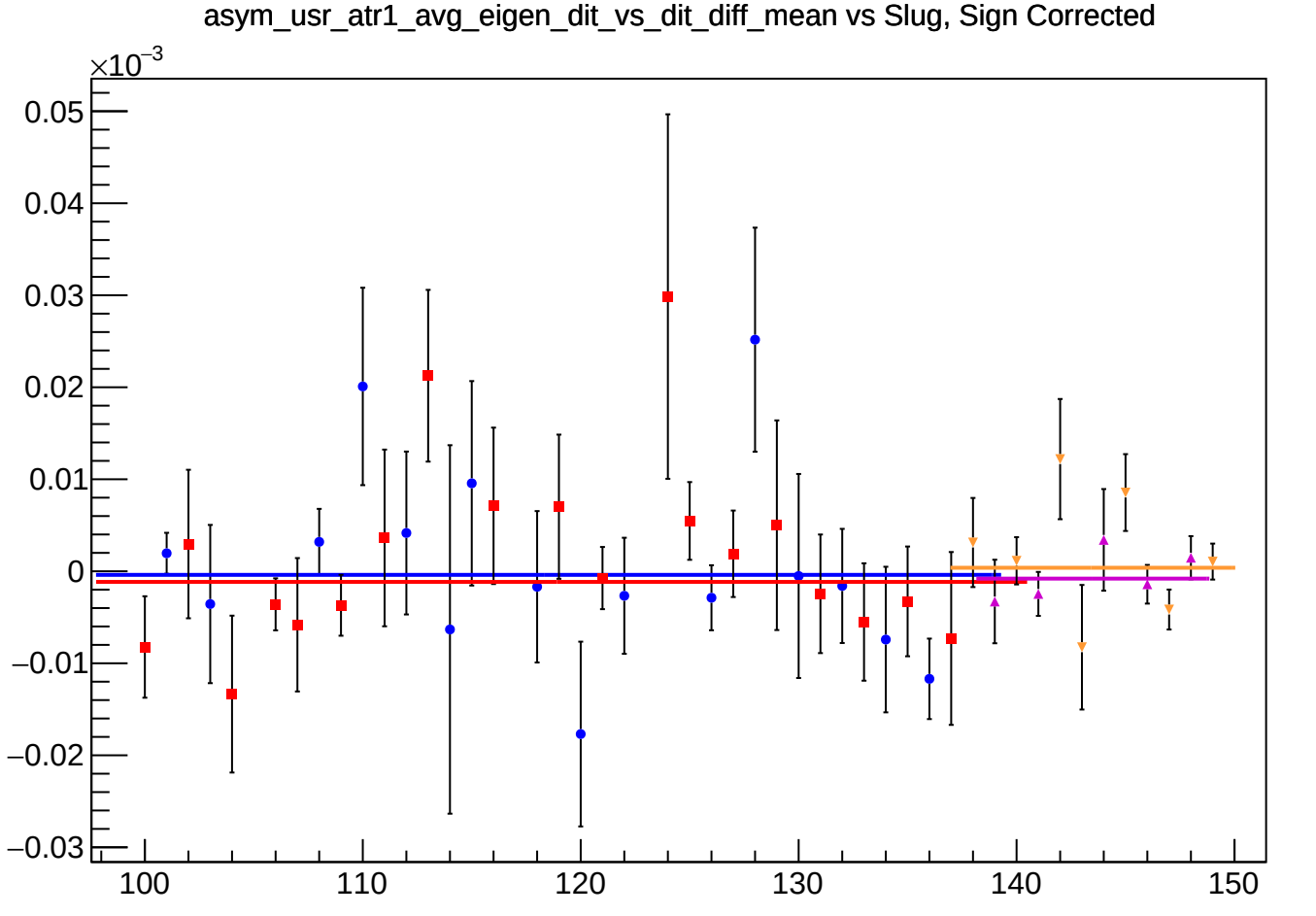
Left: 62.047+/-0.016 χ^2/NDF: 1584888.6/11

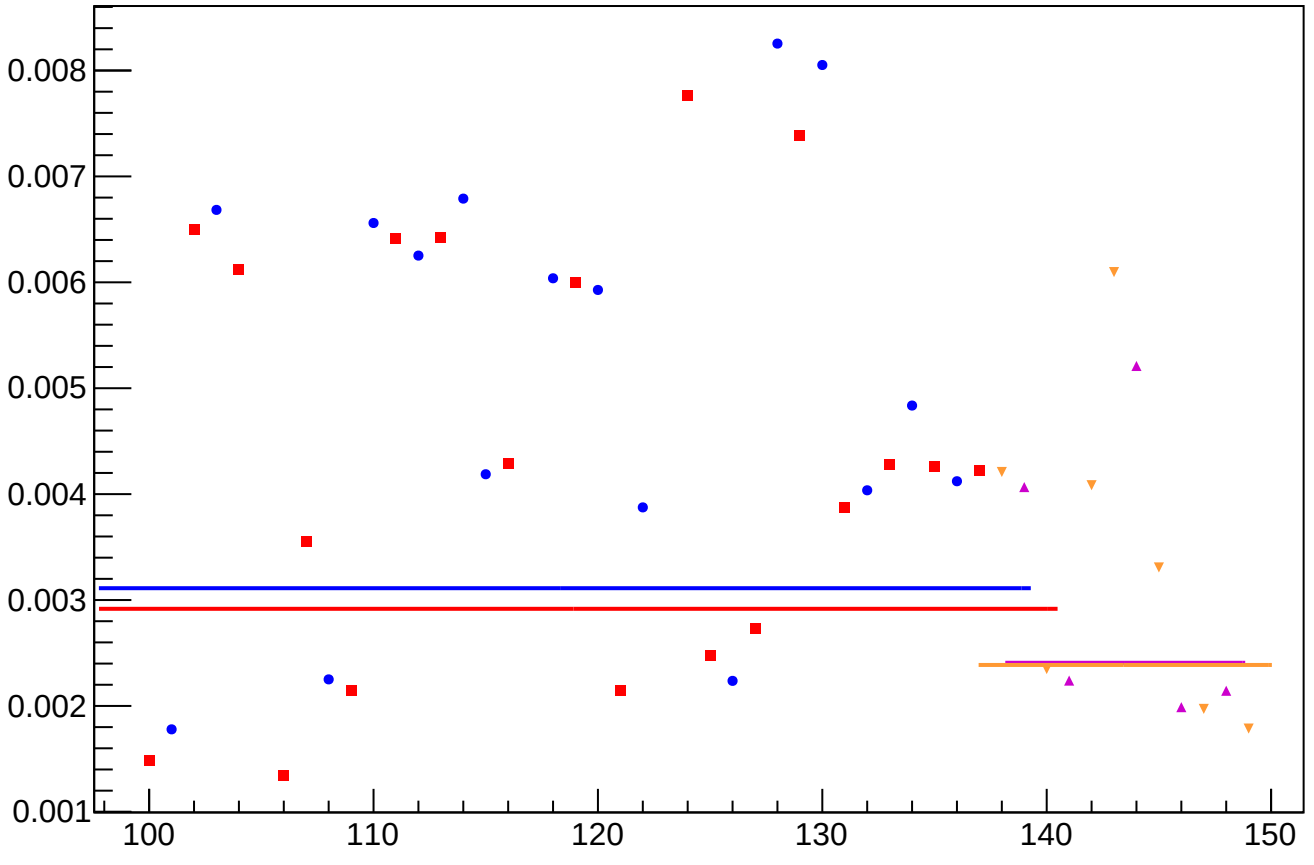
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 61.928+/-0.014 χ^2/NDF:2558242.2/20

Out: 58.379+/-0.013 χ^2/NDF:3606989.3/25

All: 60.019+/-0.010 χ^2/NDF: 6197447.9/46


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.6/6
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:2.4/4
Left: -0.000+/-0.000 χ²/NDF: 16.5/11
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:25.0/20
Out: -0.000+/-0.000 χ²/NDF:34.9/25
All: -0.000+/-0.000 χ²/NDF: 60.0/46



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1378336.1/6

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: 0.002+/-0.000 χ^2/NDF: 2275712.6/11

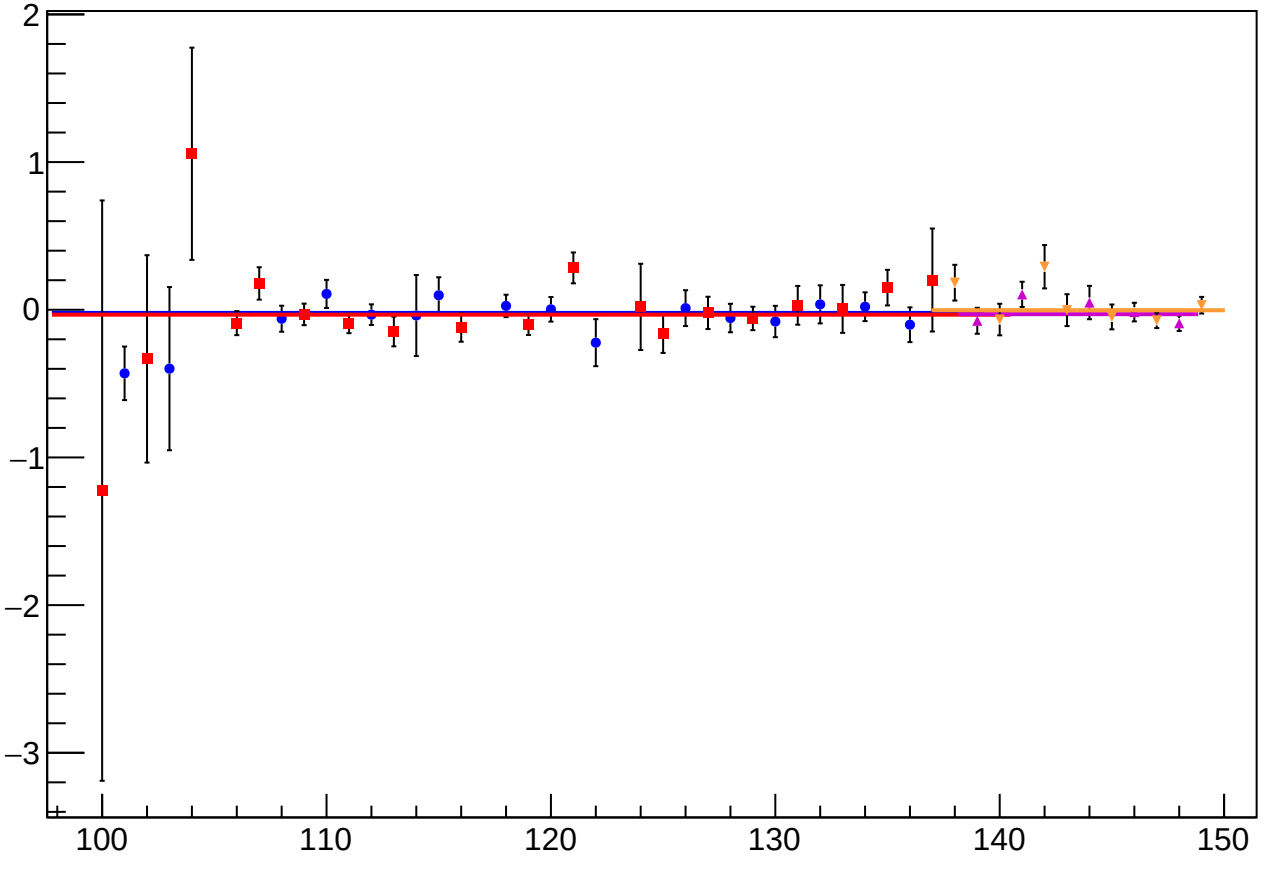
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4483699.3/20

Out: 0.003+/-0.000 χ^2/NDF:4869963.0/25

All: 0.003+/-0.000 χ^2/NDF: 9367816.6/46

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.003+/-0.030 χ^2/NDF:9.1/6

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.030+/-0.032 χ^2/NDF:4.6/4

Left: -0.016+/-0.022 χ^2/NDF: 14.1/11

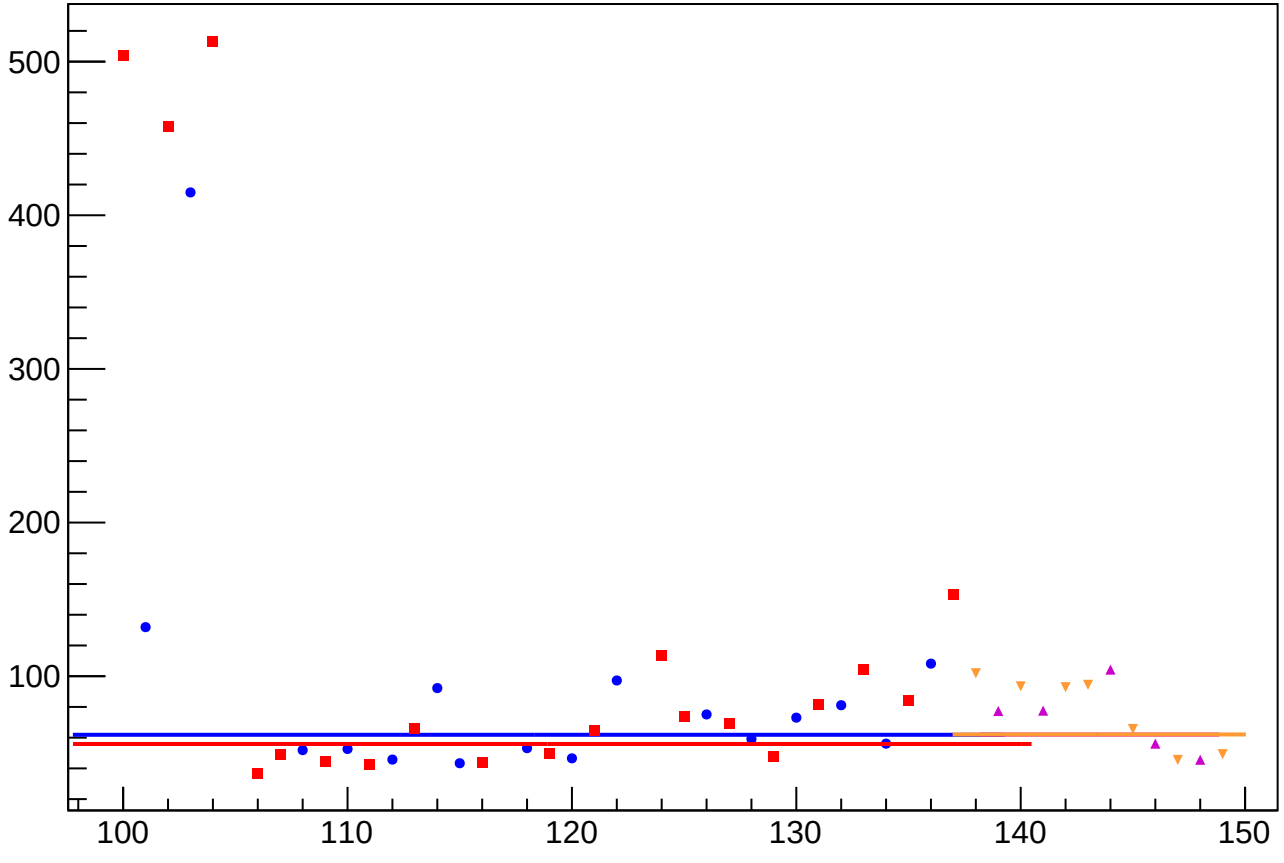
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.025+/-0.021 χ^2/NDF:16.7/20

Out: -0.021+/-0.019 χ^2/NDF:34.1/25

All: -0.023+/-0.014 χ^2/NDF: 50.8/46

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: 62.085+/-0.021 χ^2/NDF:964613.7/6

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: 62.047+/-0.016 χ^2/NDF: 1584888.6/11

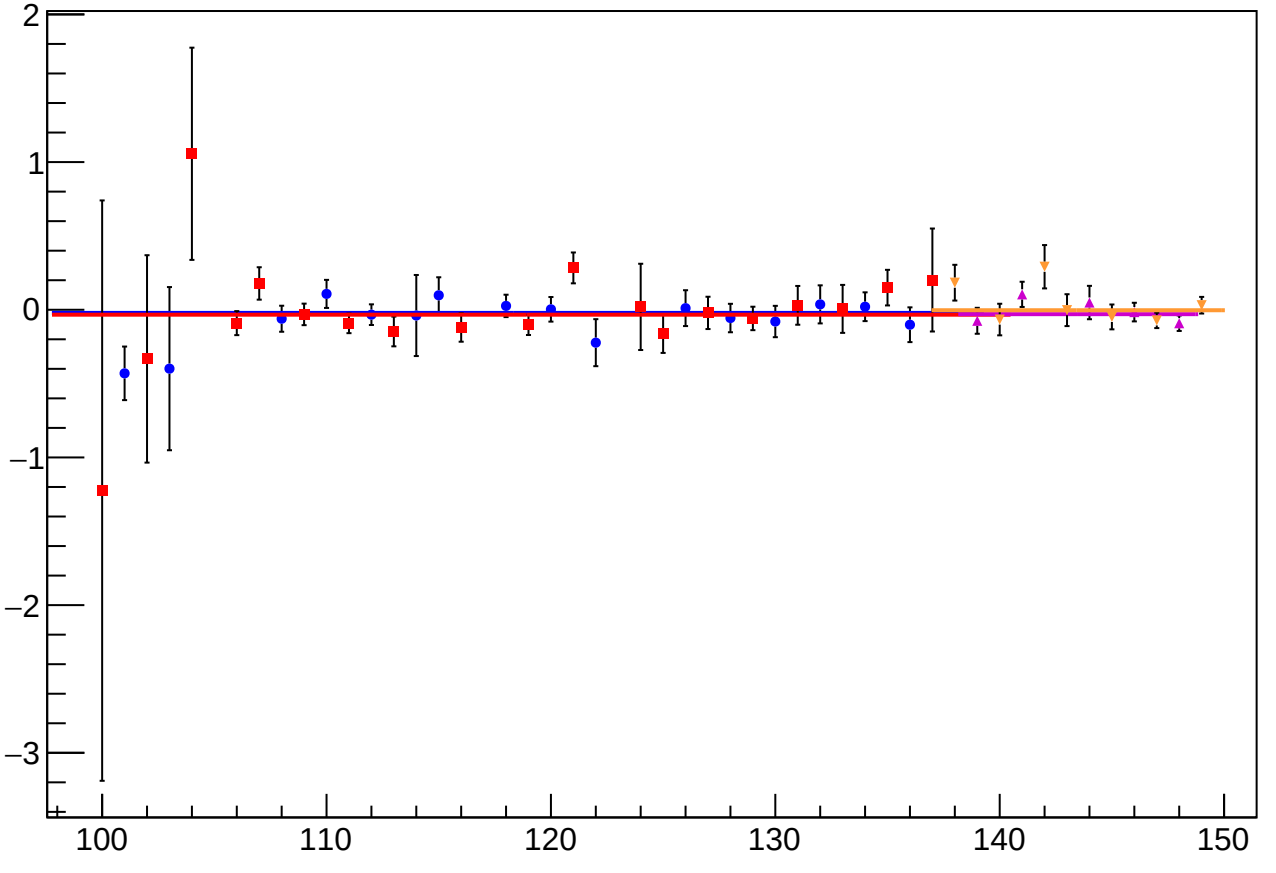
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 61.927+/-0.014 χ^2/NDF:2558191.3/20

Out: 58.378+/-0.013 χ^2/NDF:3606964.3/25

All: 60.019+/-0.010 χ^2/NDF: 6197375.2/46

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.003+/-0.030 χ^2/NDF:9.1/6

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.030+/-0.032 χ^2/NDF:4.6/4

Left: -0.016+/-0.022 χ^2/NDF: 14.1/11

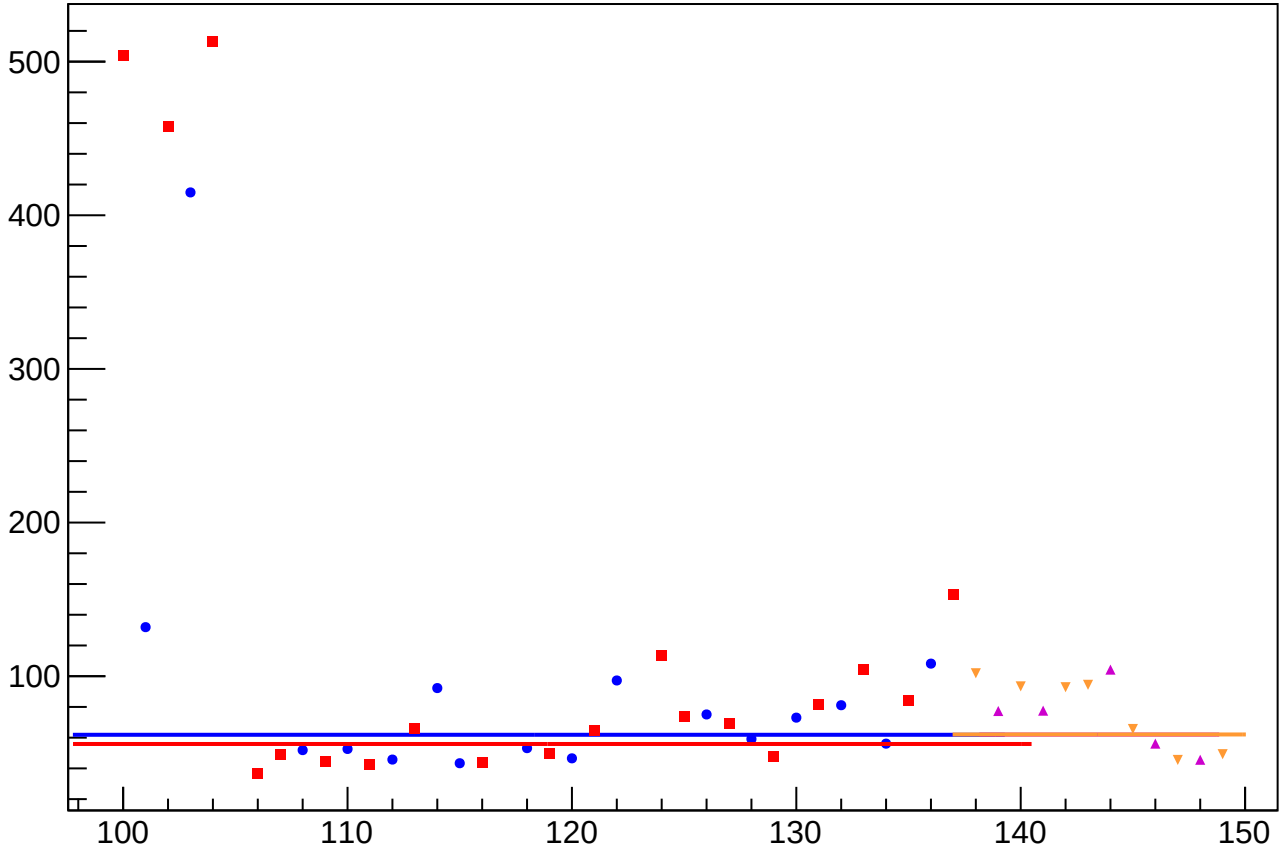
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.025+/-0.021 χ^2/NDF:16.7/20

Out: -0.021+/-0.019 χ^2/NDF:34.1/25

All: -0.023+/-0.014 χ^2/NDF: 50.8/46

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: 62.085+/-0.021 χ^2/NDF:964613.7/6

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 62.004+/-0.023 χ^2/NDF:620268.1/4

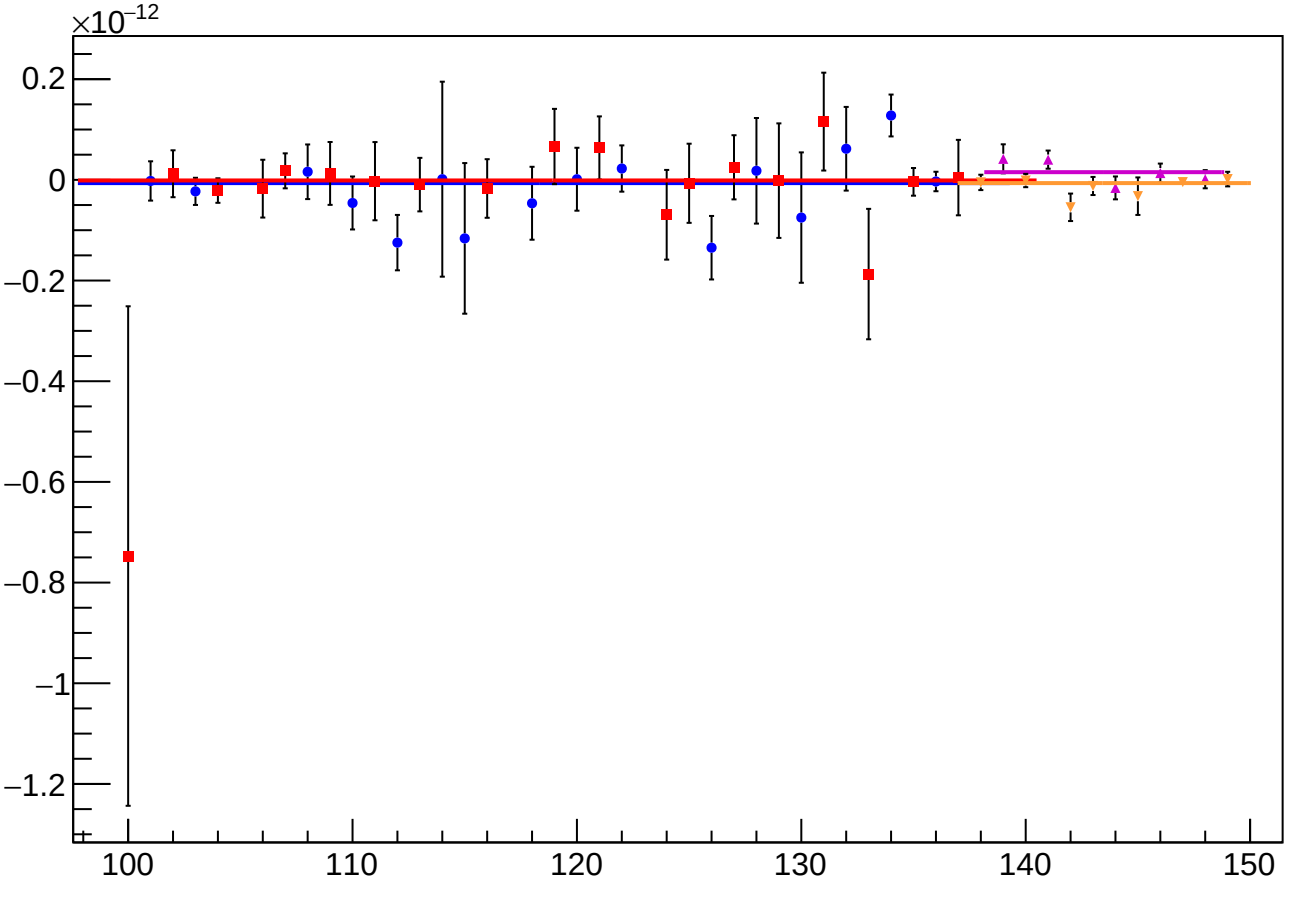
Left: 62.047+/-0.016 χ^2/NDF: 1584888.6/11

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 61.927+/-0.014 χ^2/NDF:2558191.3/20

Out: 58.378+/-0.013 χ^2/NDF:3606964.3/25

All: 60.019+/-0.010 χ^2/NDF: 6197375.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/4

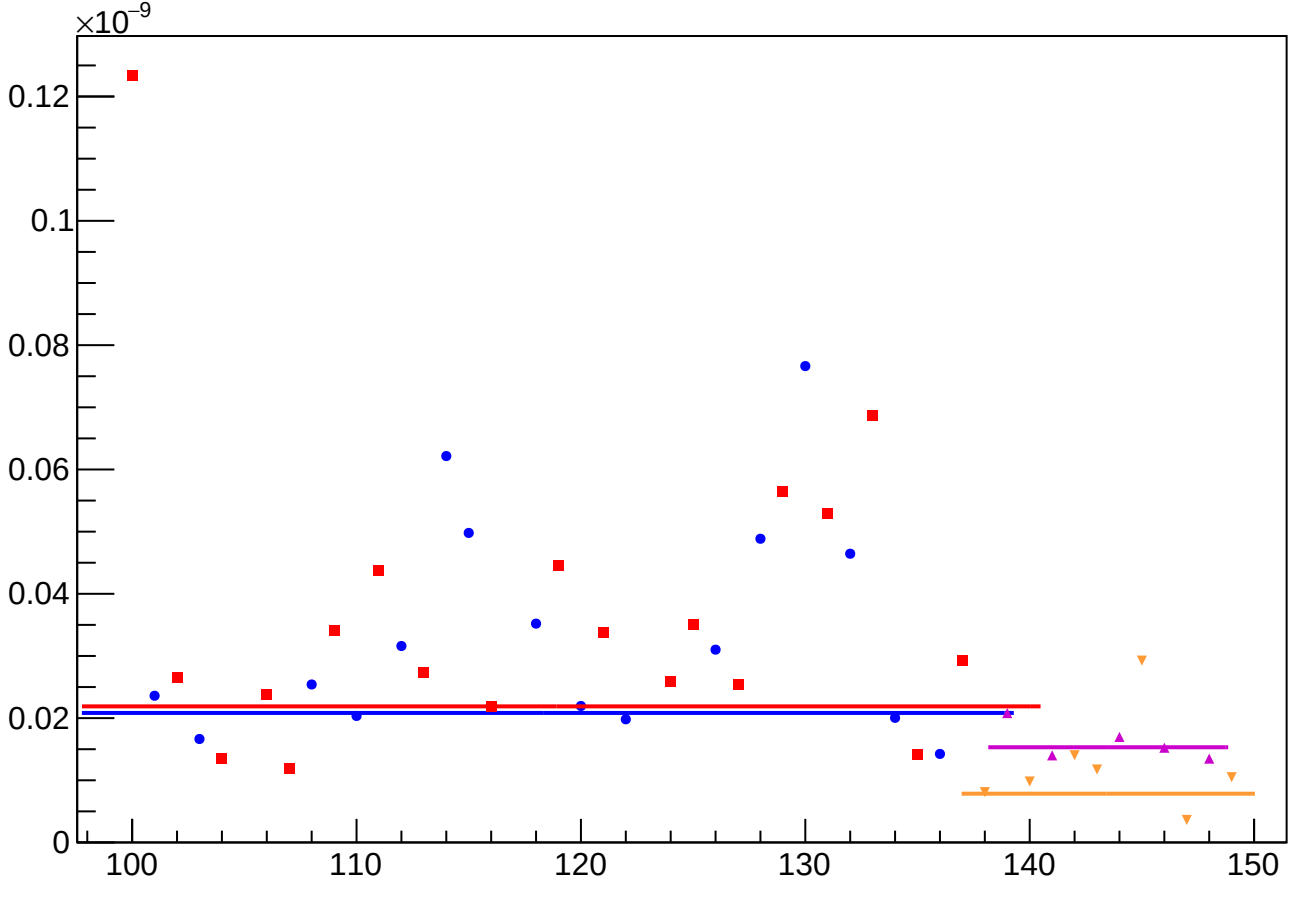
Left: -0.000+/-0.000 χ^2/NDF: 13.7/11

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:14.1/25

All: -0.000+/-0.000 χ^2/NDF: 46.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1480270.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:114458.0/4

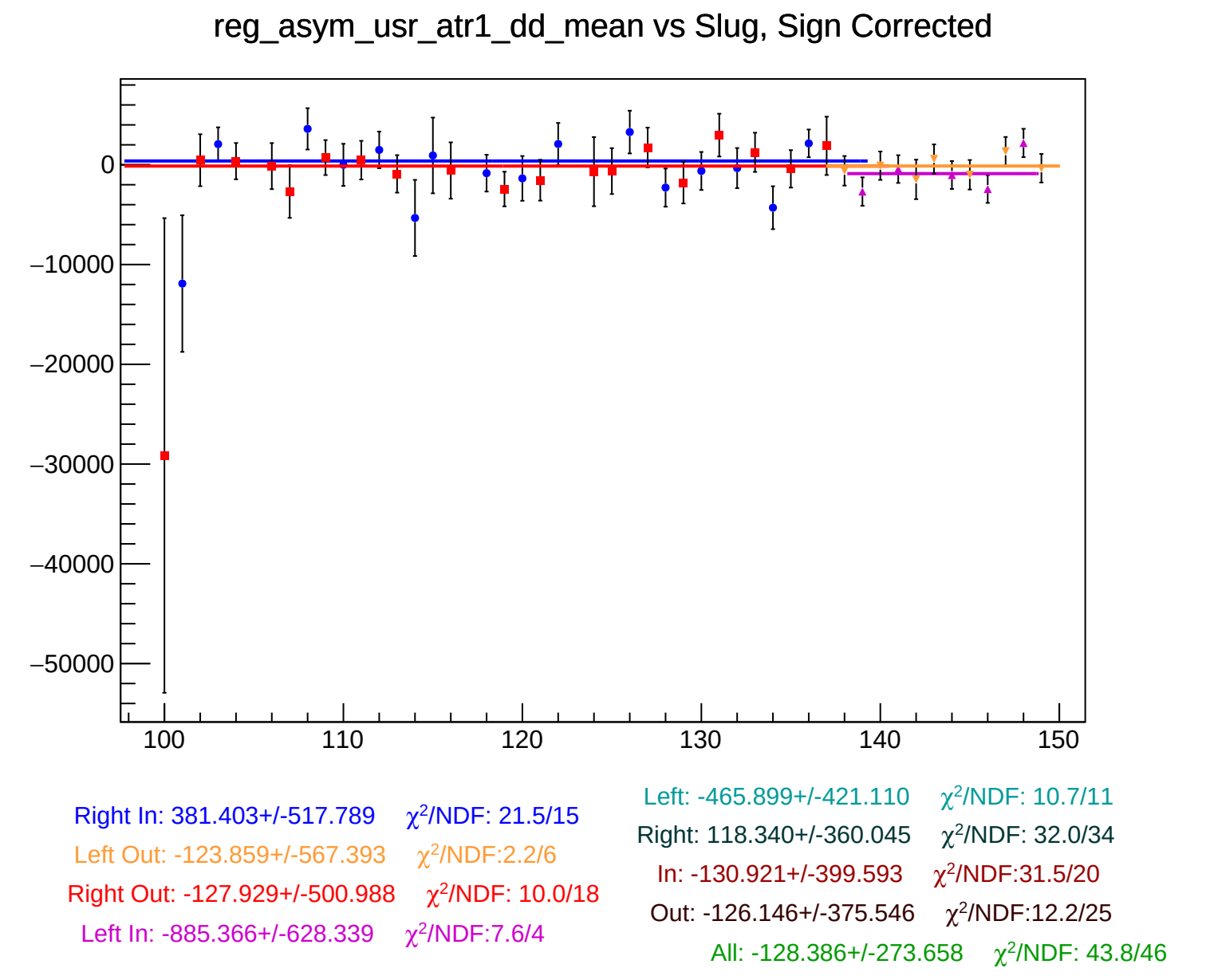
Left: 0.000+/-0.000 χ^2/NDF: 2593982.4/11

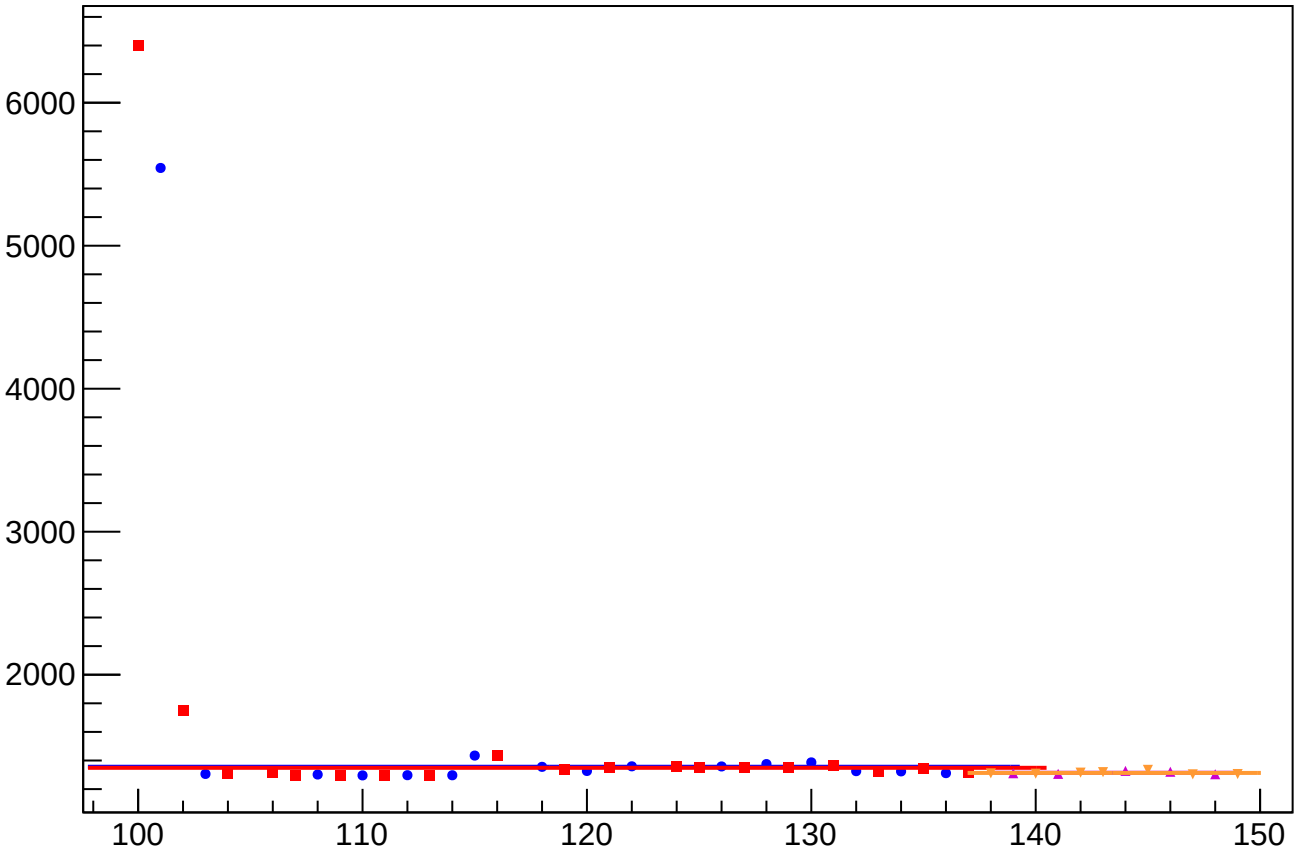
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1789349.2/20

Out: 0.000+/-0.000 χ^2/NDF:5698072.0/25

All: 0.000+/-0.000 χ^2/NDF: 8900295.9/46


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -123.859+/-567.393 χ²/NDF:2.2/6
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -885.366+/-628.339 χ²/NDF:7.6/4
Left: -465.899+/-421.110 χ²/NDF: 10.7/11
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: -130.921+/-399.593 χ²/NDF:31.5/20
Out: -126.146+/-375.546 χ²/NDF:12.2/25
All: -128.386+/-273.658 χ²/NDF: 43.8/46



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.202+/-0.401 χ^2/NDF:639.9/6

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

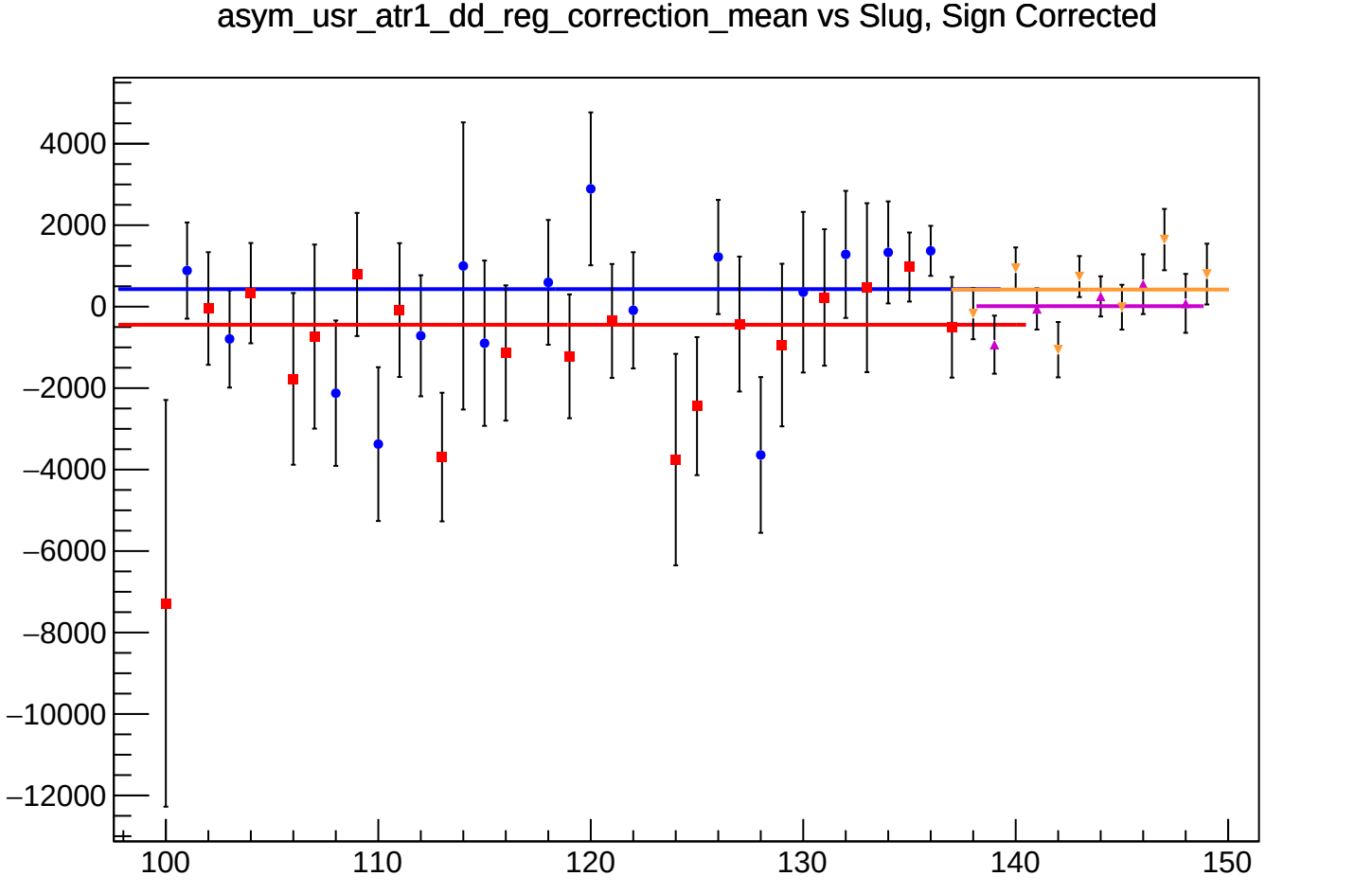
Left: 1313.694+/-0.298 χ^2/NDF: 1049.8/11

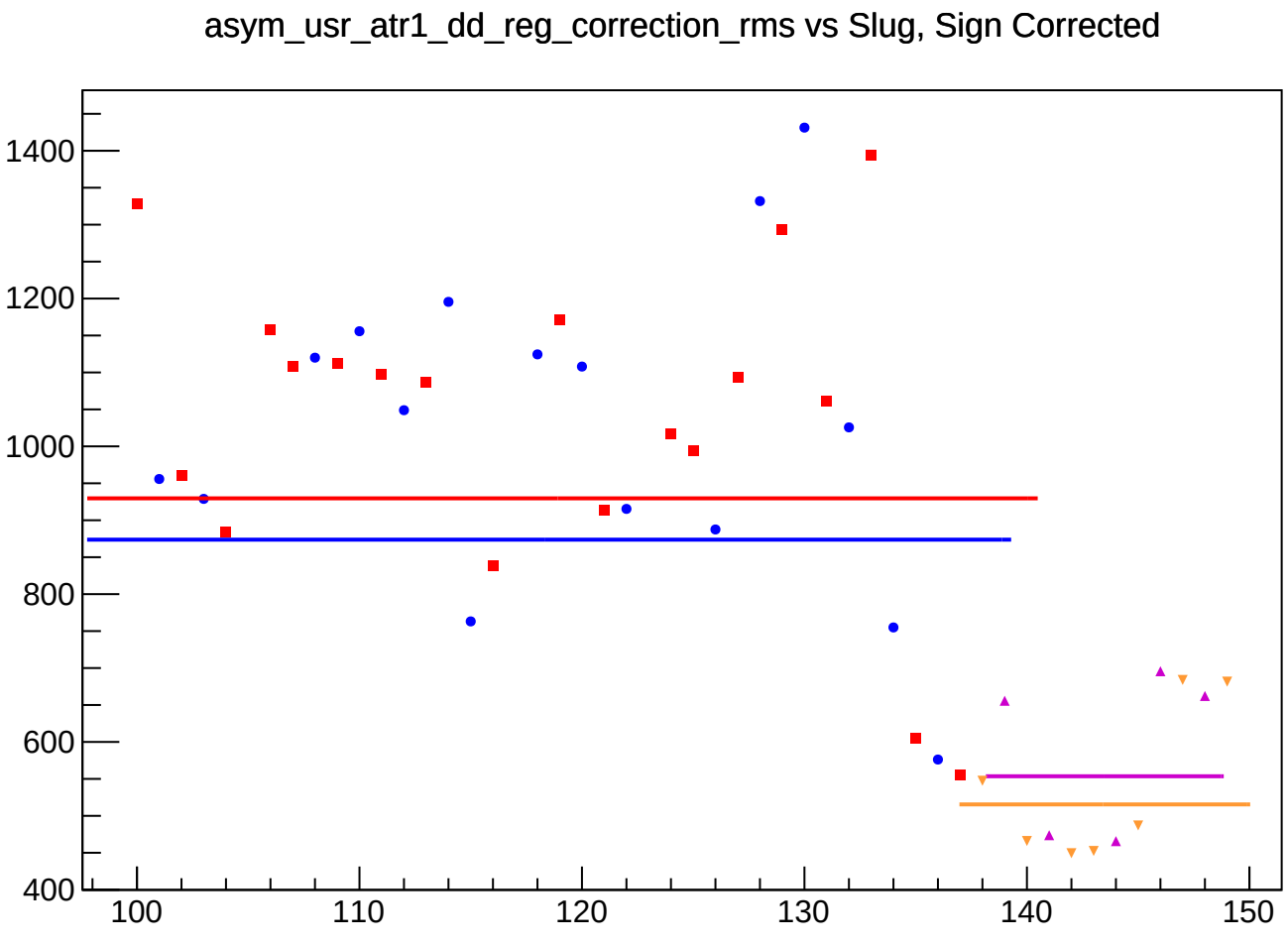
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1339.370+/-0.283 χ^2/NDF:766020.4/20

Out: 1333.303+/-0.266 χ^2/NDF:152372.6/25

All: 1336.149+/-0.194 χ^2/NDF: 918637.8/46


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 419.853+/-227.402 χ²/NDF:10.6/6
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: 11.808+/-269.678 χ²/NDF:2.6/4
Left: 250.285+/-173.845 χ²/NDF: 14.5/11
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 174.344+/-210.914 χ²/NDF:21.7/20
Out: 168.954+/-191.578 χ²/NDF:29.2/25
All: 171.390+/-141.810 χ²/NDF: 50.9/46



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 515.465+/-0.161 χ^2/NDF:278784.0/6

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 553.562+/-0.191 χ^2/NDF:274243.2/4

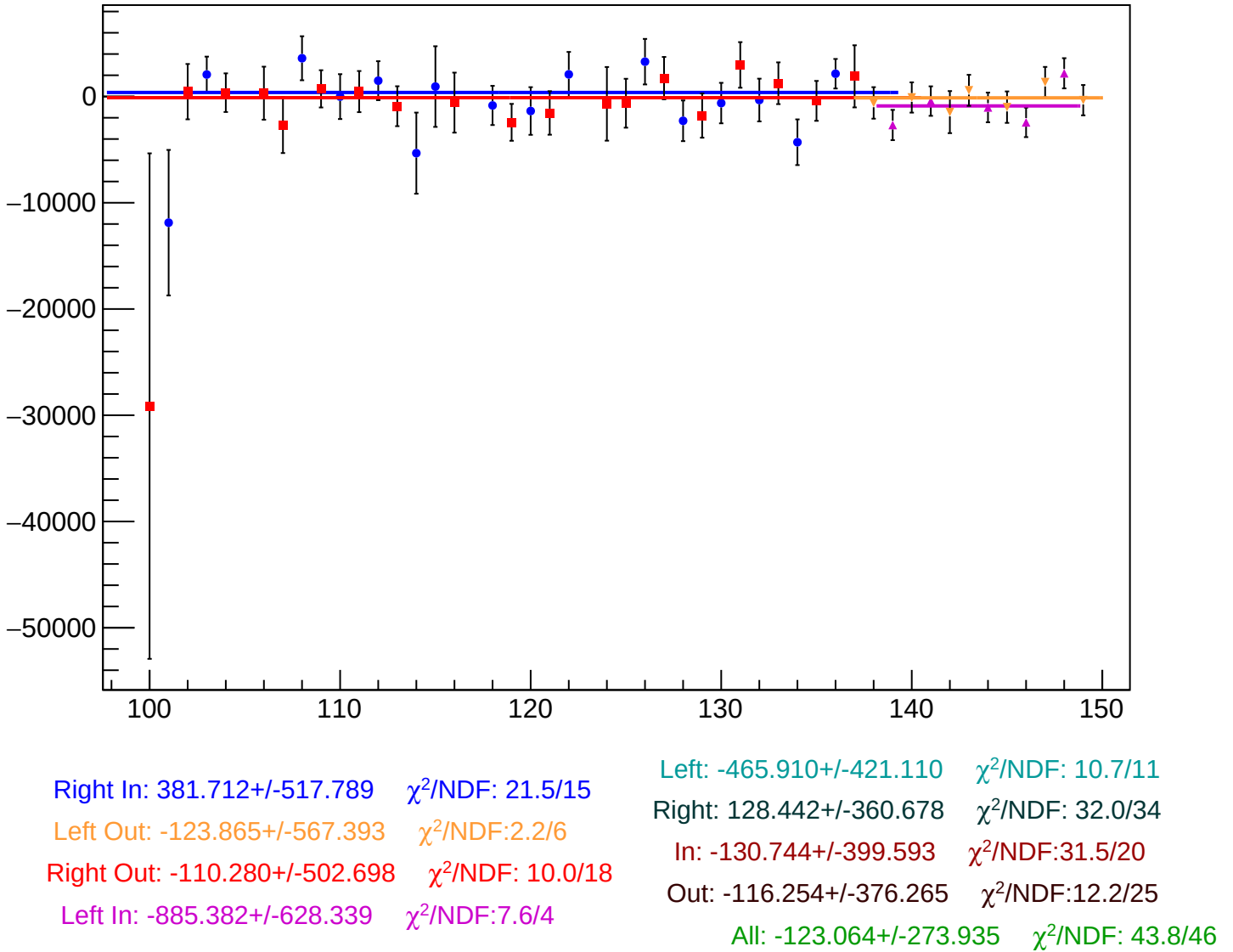
Left: 531.297+/-0.123 χ^2/NDF: 576354.9/11

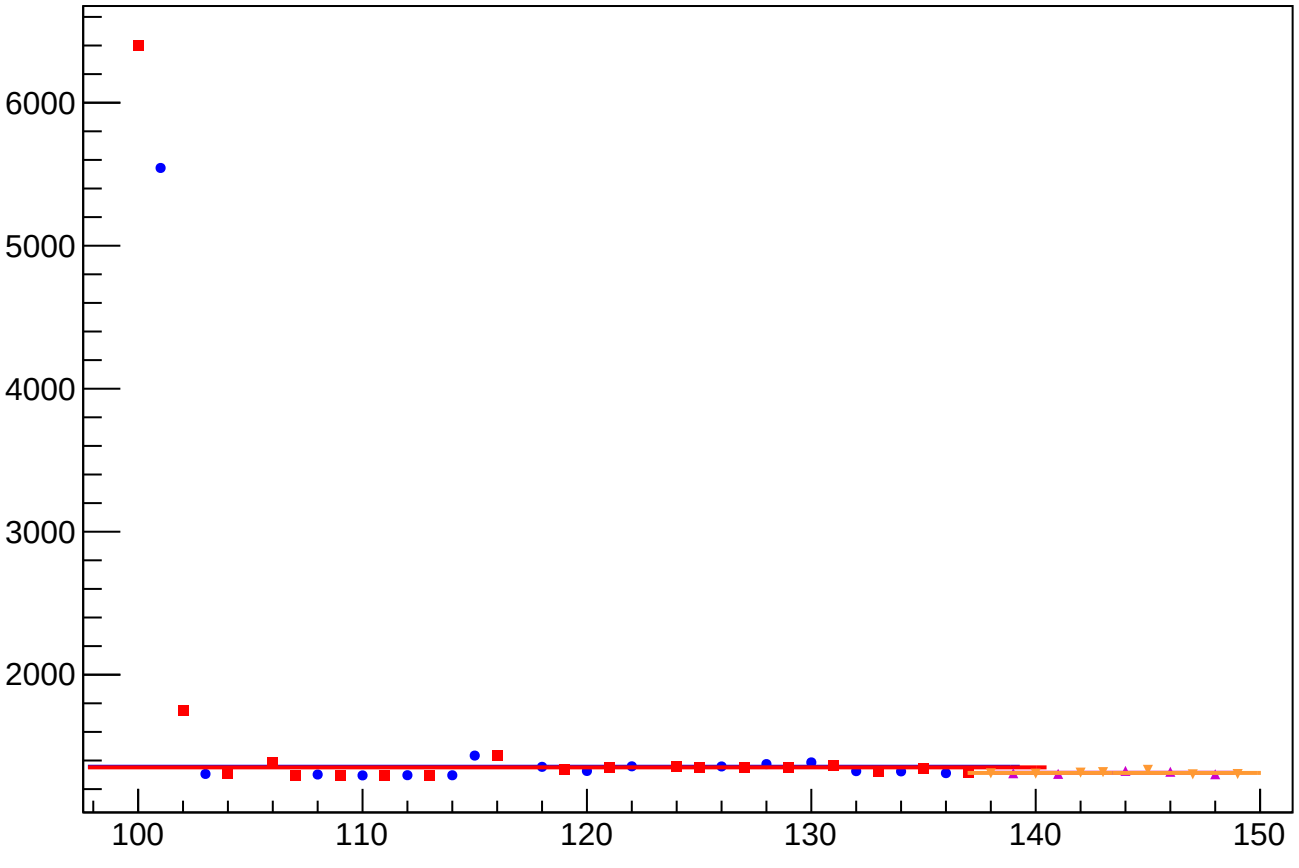
Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 677.893+/-0.149 χ^2/NDF:2383812.3/20

Out: 635.680+/-0.135 χ^2/NDF:3064396.8/25

All: 654.763+/-0.100 χ^2/NDF: 5492105.4/46


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -123.865+/-567.393 χ²/NDF:2.2/6
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -885.382+/-628.339 χ²/NDF:7.6/4
Left: -465.910+/-421.110 χ²/NDF: 10.7/11
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -130.744+/-399.593 χ²/NDF:31.5/20
Out: -116.254+/-376.265 χ²/NDF:12.2/25
All: -123.064+/-273.935 χ²/NDF: 43.8/46



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.202+/-0.401 χ^2/NDF:639.9/6

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

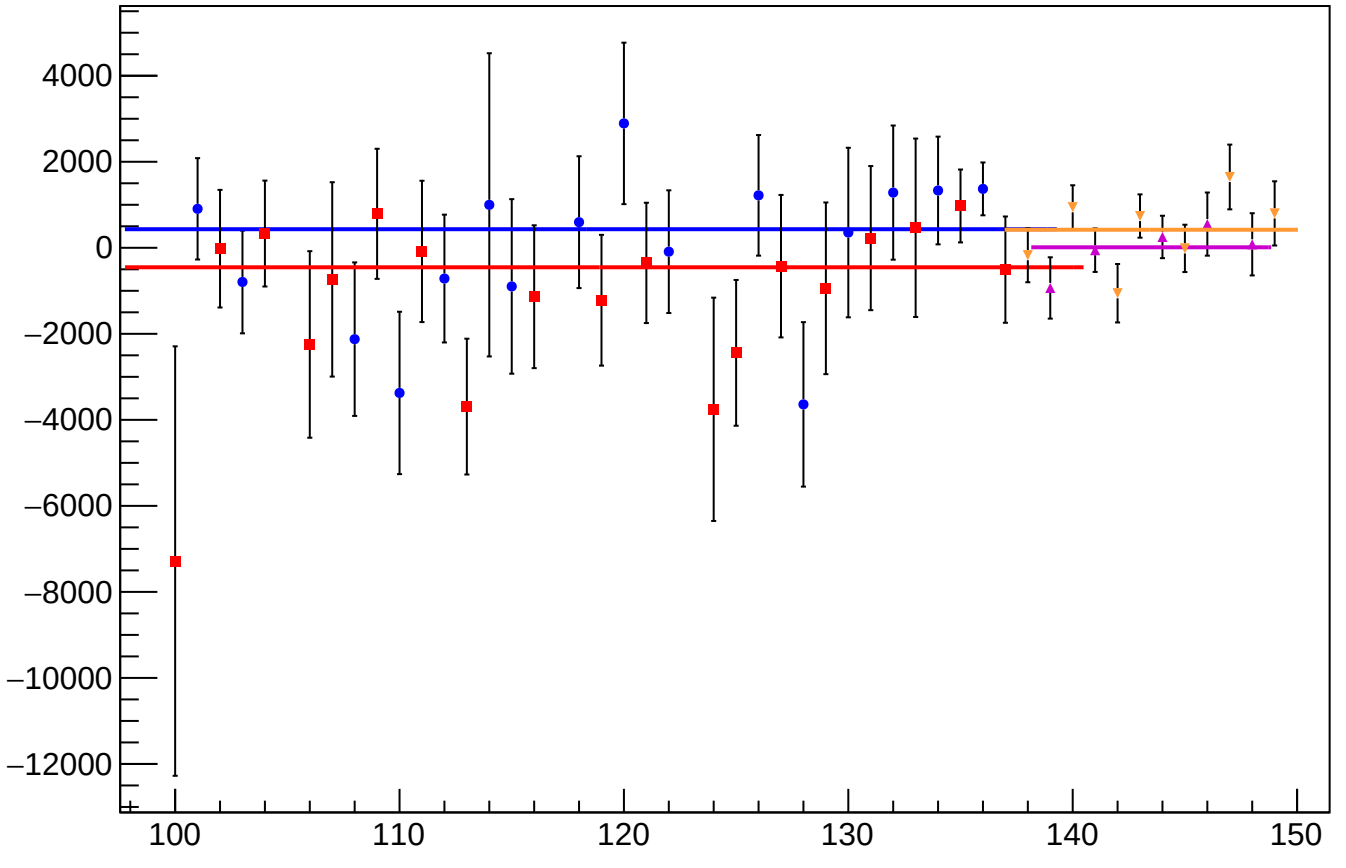
Left: 1313.694+/-0.298 χ^2/NDF: 1049.8/11

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1339.370+/-0.283 χ^2/NDF:766019.5/20

Out: 1334.985+/-0.266 χ^2/NDF:153227.9/25

All: 1337.046+/-0.194 χ^2/NDF: 919375.0/46



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 419.780+/-227.403 χ^2/NDF:10.6/6

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 11.802+/-269.673 χ^2/NDF:2.6/4

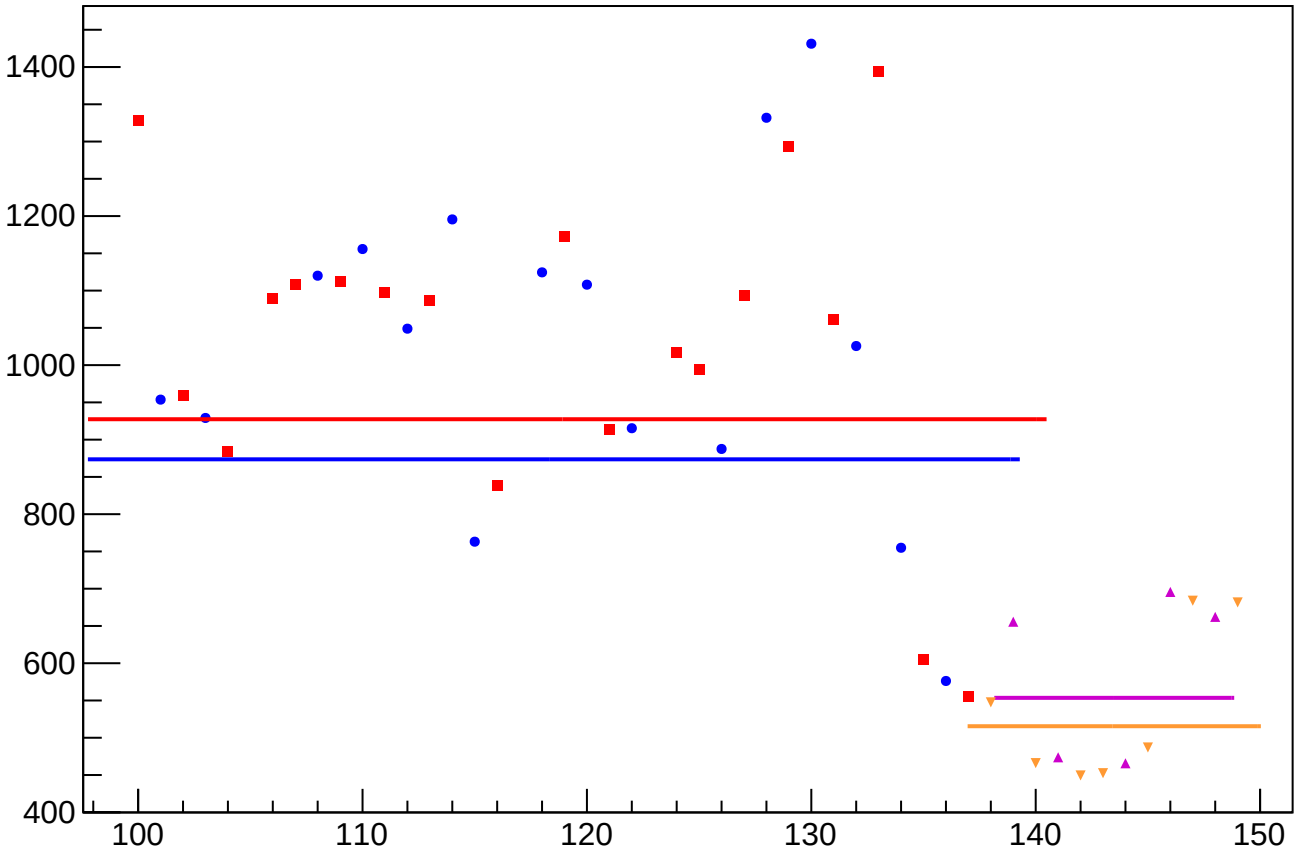
Left: 250.235+/-173.845 χ^2/NDF: 14.5/11

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 175.058+/-210.898 χ^2/NDF:21.8/20

Out: 166.442+/-191.579 χ^2/NDF:29.6/25

All: 170.337+/-141.806 χ^2/NDF: 51.3/46



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 515.469+/-0.161 χ^2/NDF:278784.4/6

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

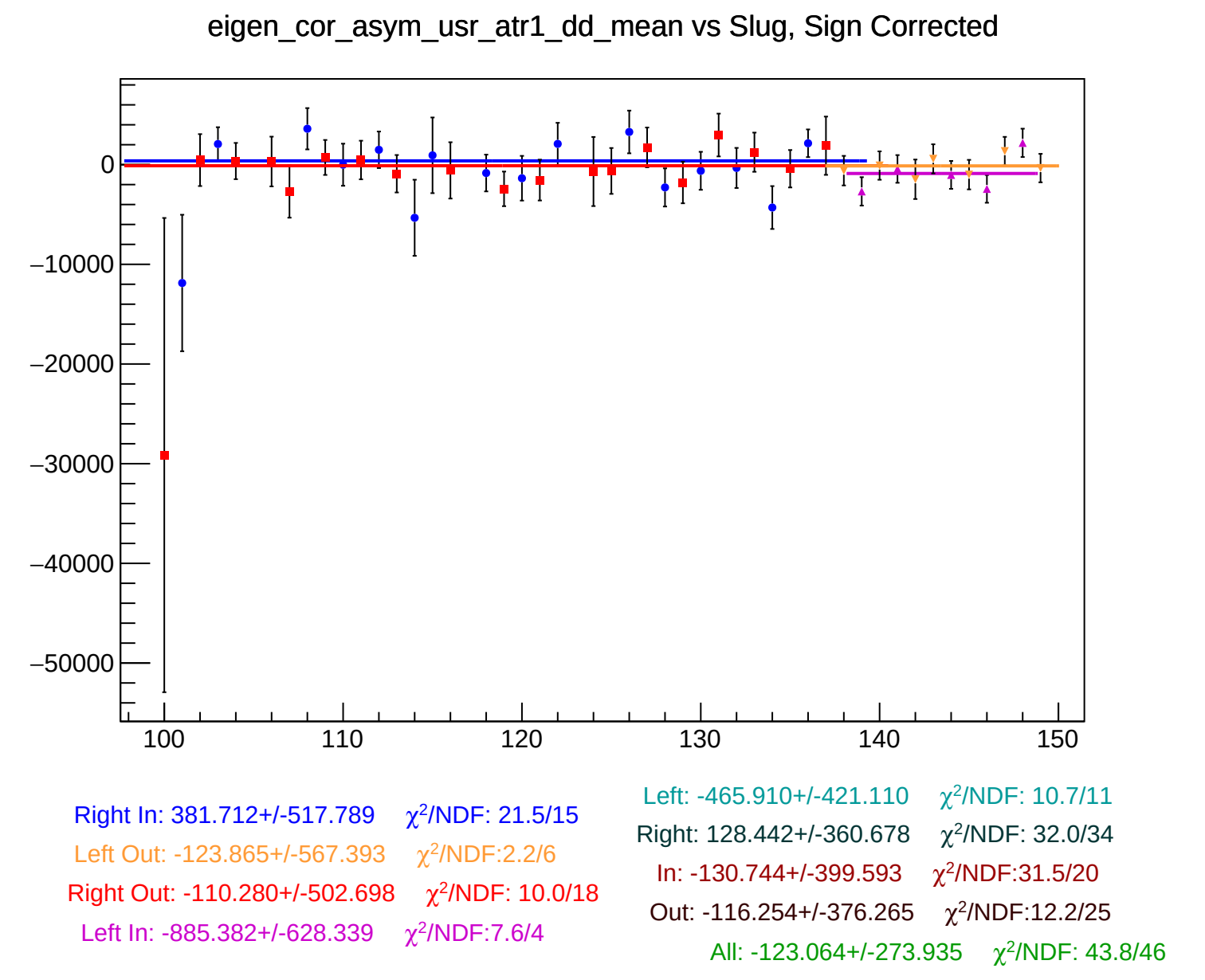
Left: 531.295+/-0.123 χ^2/NDF: 576356.9/11

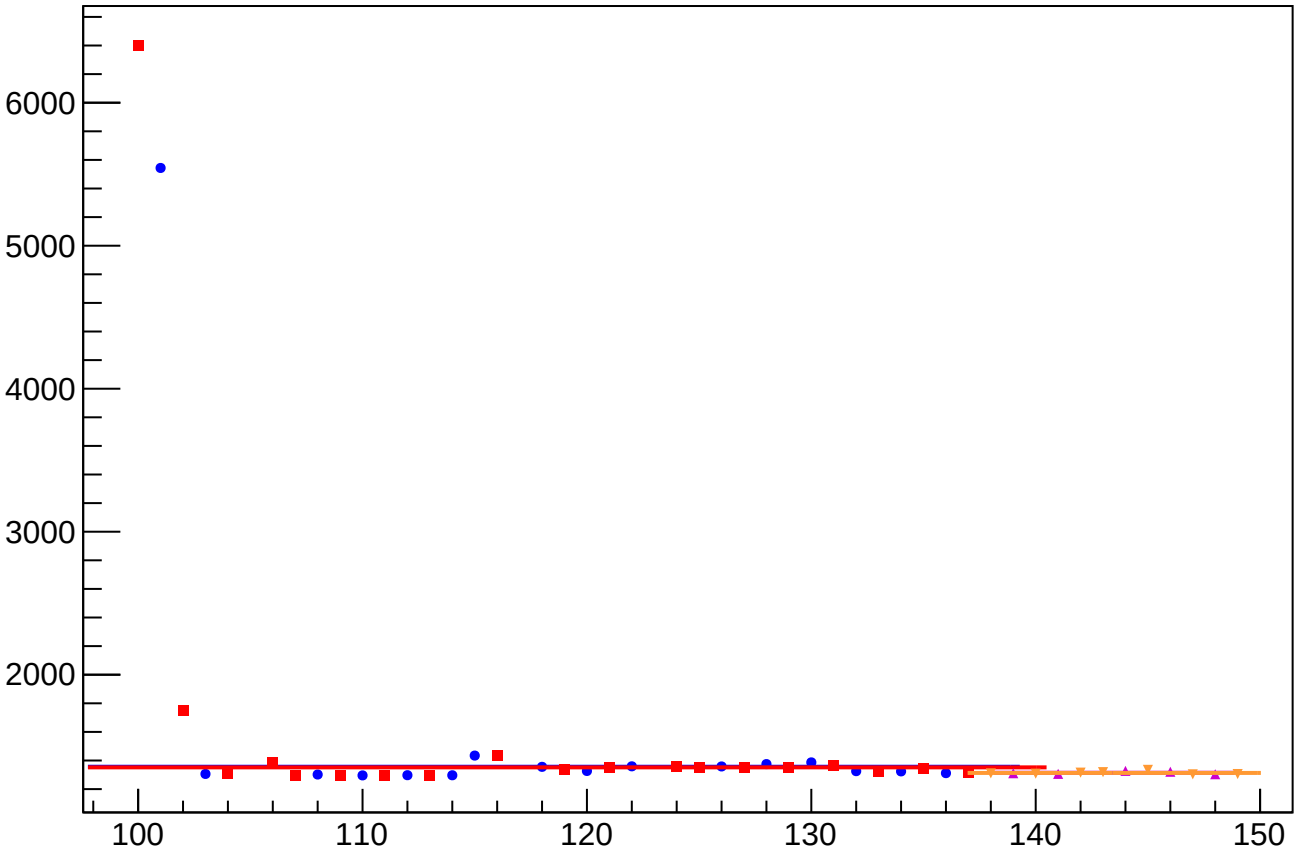
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 677.860+/-0.149 χ^2/NDF:2382822.8/20

Out: 635.035+/-0.135 χ^2/NDF:3031081.7/25

All: 654.397+/-0.100 χ^2/NDF: 5459087.2/46


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -123.865+/-567.393 χ²/NDF:2.2/6
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -885.382+/-628.339 χ²/NDF:7.6/4
Left: -465.910+/-421.110 χ²/NDF: 10.7/11
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -130.744+/-399.593 χ²/NDF:31.5/20
Out: -116.254+/-376.265 χ²/NDF:12.2/25
All: -123.064+/-273.935 χ²/NDF: 43.8/46



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.202+/-0.401 χ^2/NDF:639.9/6

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1314.296+/-0.444 χ^2/NDF:406.6/4

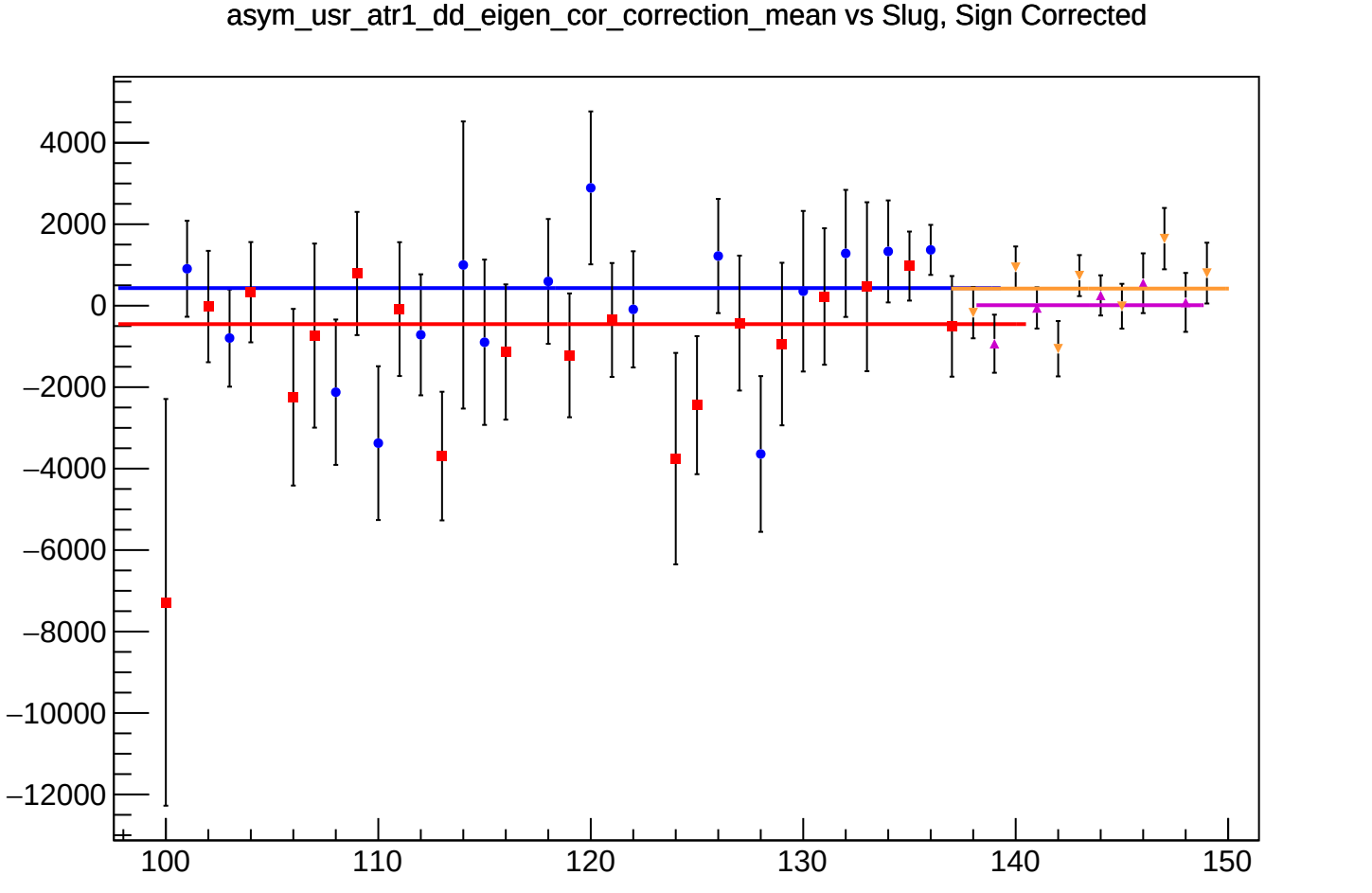
Left: 1313.694+/-0.298 χ^2/NDF: 1049.8/11

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1339.370+/-0.283 χ^2/NDF:766019.5/20

Out: 1334.985+/-0.266 χ^2/NDF:153227.9/25

All: 1337.046+/-0.194 χ^2/NDF: 919375.0/46



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 419.780+/-227.403 χ^2/NDF:10.6/6

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: 250.235+/-173.845 χ^2/NDF: 14.5/11

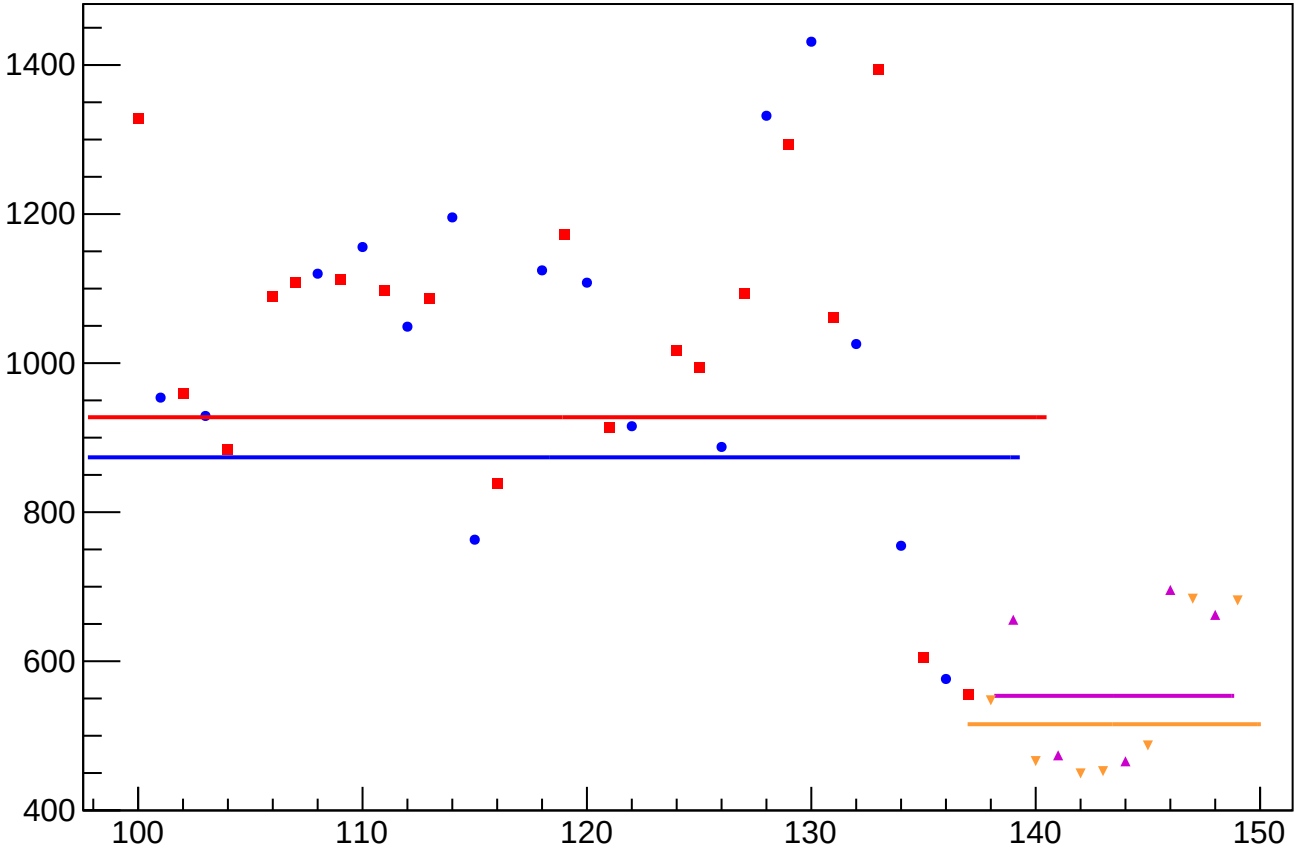
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 175.058+/-210.898 χ^2/NDF:21.8/20

Out: 166.442+/-191.579 χ^2/NDF:29.6/25

All: 170.337+/-141.806 χ^2/NDF: 51.3/46

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: 515.469+/-0.161 χ^2/NDF:278784.4/6

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 553.552+/-0.191 χ^2/NDF:274262.5/4

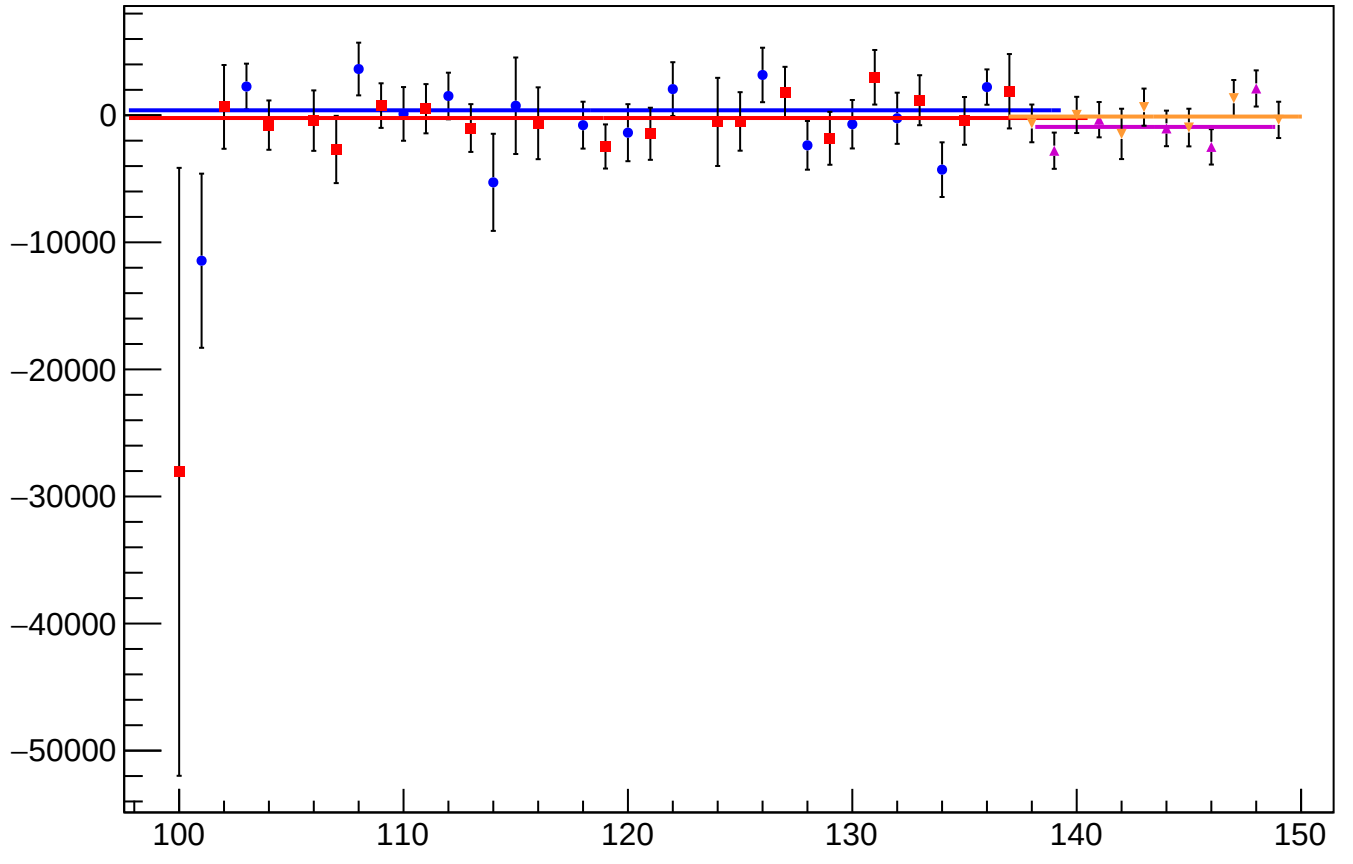
Left: 531.295+/-0.123 χ^2/NDF: 576356.9/11

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 677.860+/-0.149 χ^2/NDF:2382822.8/20

Out: 635.035+/-0.135 χ^2/NDF:3031081.7/25

All: 654.397+/-0.100 χ^2/NDF: 5459087.2/46



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -103.345+/-567.765 χ^2/NDF:2.3/6

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -918.165+/-628.750 χ^2/NDF:7.7/4

Left: -469.332+/-421.386 χ^2/NDF: 10.9/11

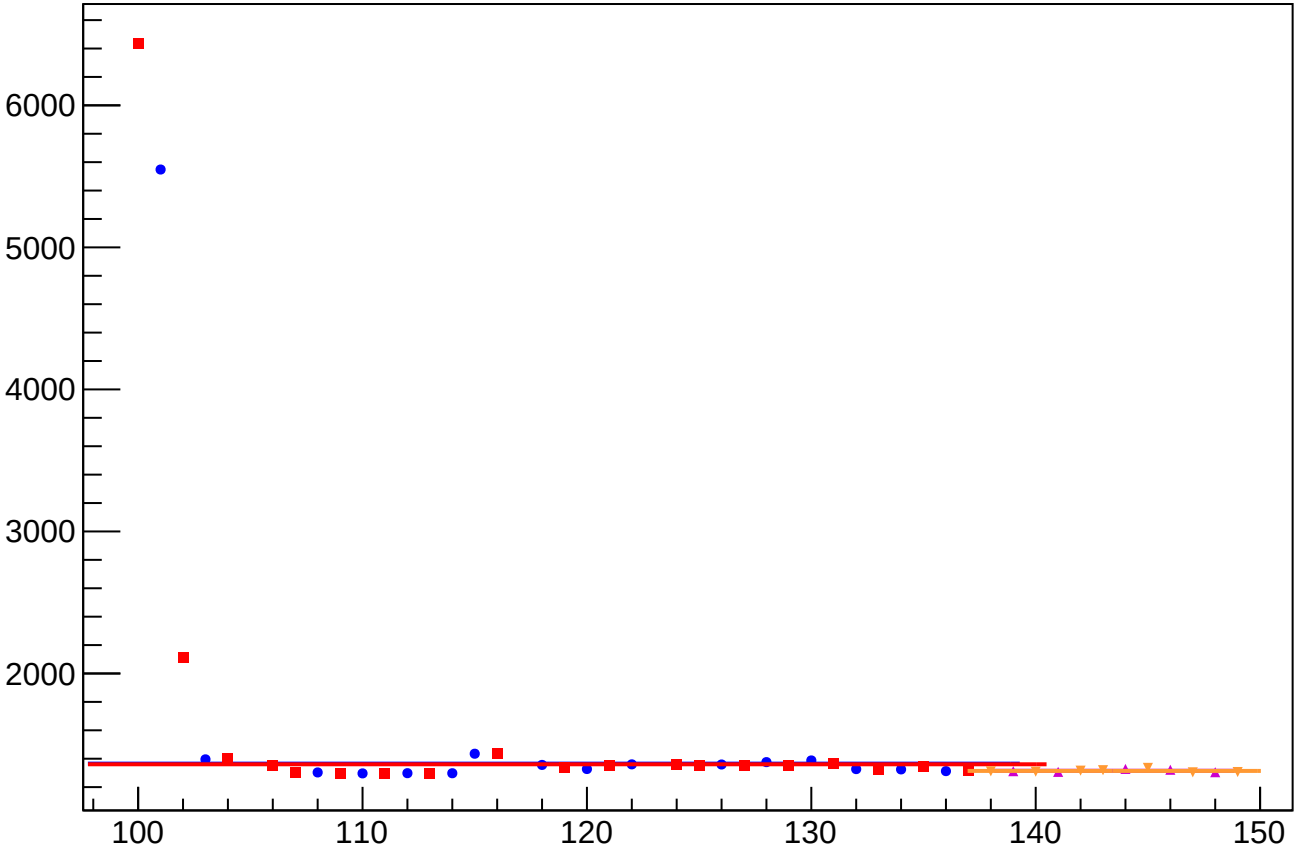
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -142.777+/-401.243 χ^2/NDF:31.6/20

Out: -167.133+/-378.553 χ^2/NDF:12.3/25

All: -155.663+/-275.349 χ^2/NDF: 43.9/46

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.064+/-0.401 χ^2/NDF:630.4/6

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: 1314.554+/-0.298 χ^2/NDF: 1034.3/11

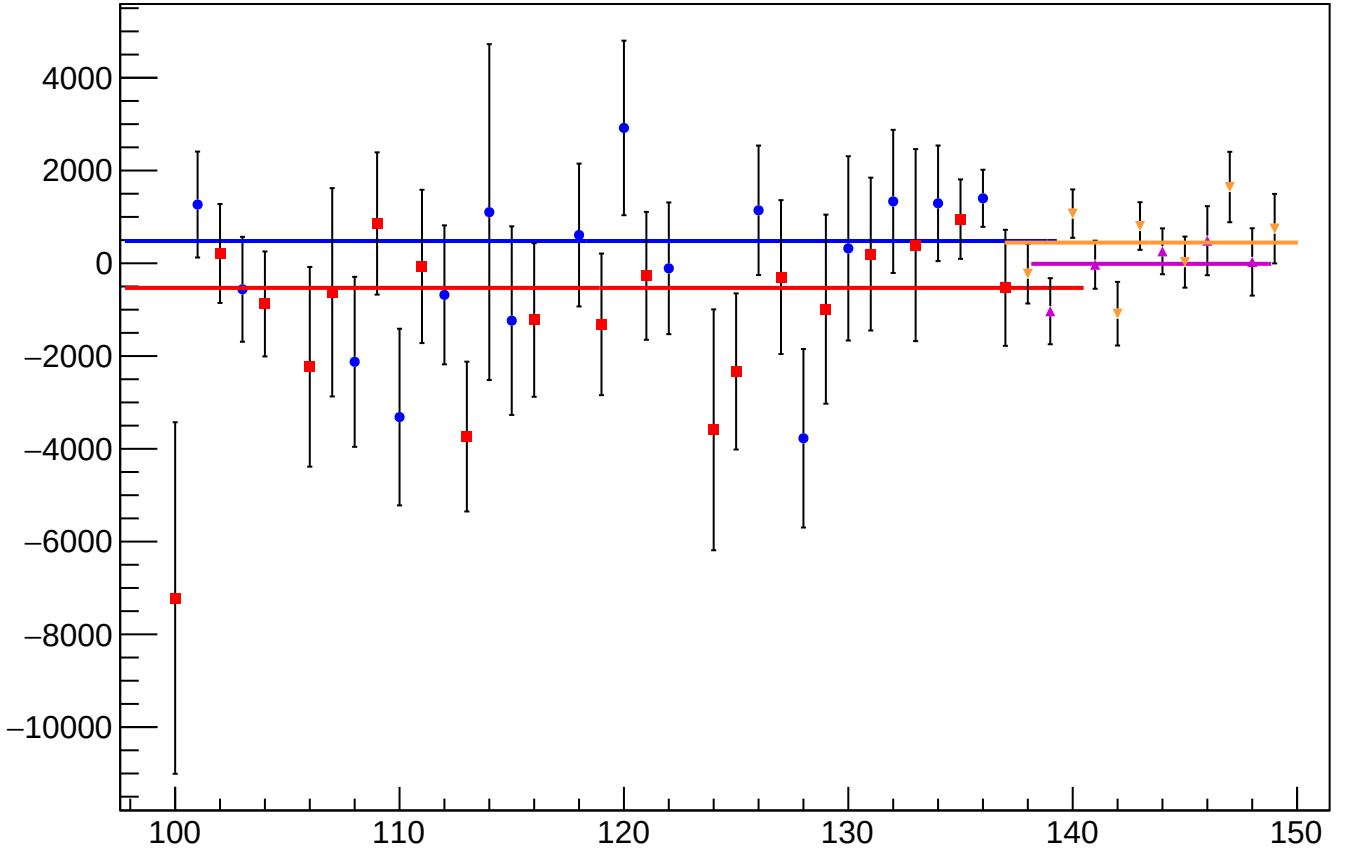
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1344.880+/-0.284 χ^2/NDF:766886.3/20

Out: 1340.007+/-0.268 χ^2/NDF:213463.6/25

All: 1342.302+/-0.195 χ^2/NDF: 980506.0/46

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 446.462+/-230.509 χ^2/NDF:11.2/6

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -11.626+/-272.354 χ^2/NDF:2.8/4

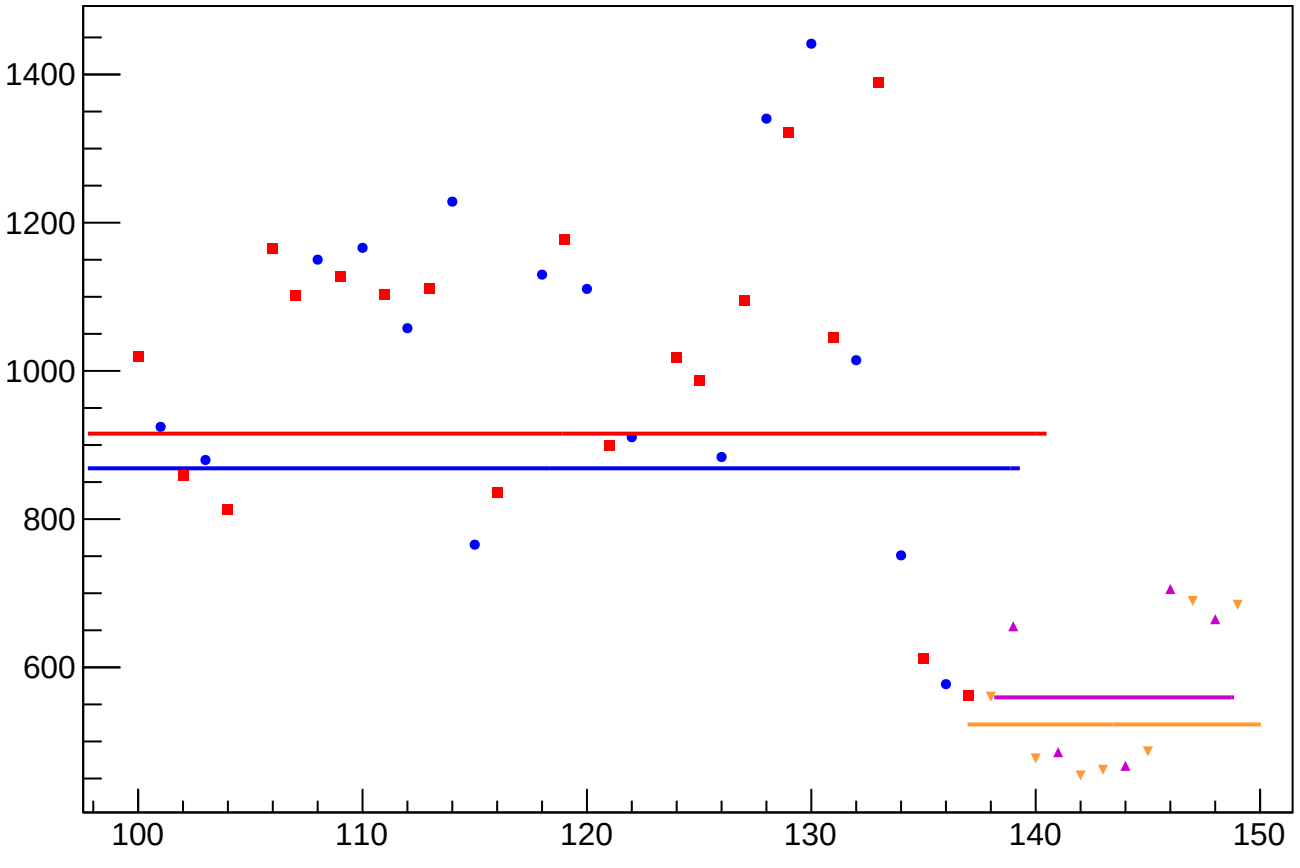
Left: 255.275+/-175.950 χ^2/NDF: 15.7/11

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 183.105+/-211.706 χ^2/NDF:22.7/20

Out: 146.259+/-191.853 χ^2/NDF:32.4/25

All: 162.874+/-142.163 χ^2/NDF: 55.1/46



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 522.976+/-0.163 χ^2/NDF:268673.1/6

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 559.497+/-0.193 χ^2/NDF:266189.2/4

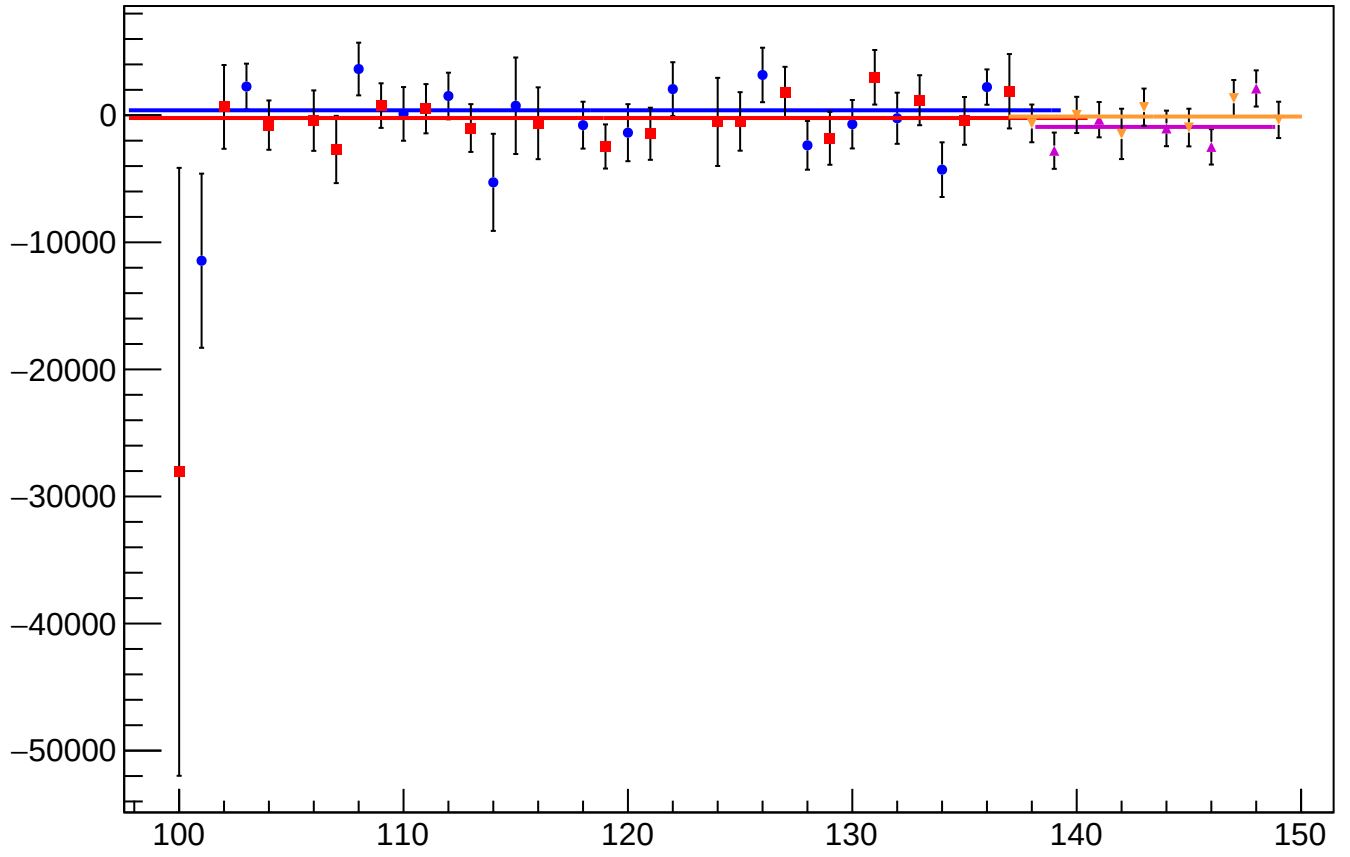
Left: 538.218+/-0.124 χ^2/NDF: 555814.7/11

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 681.820+/-0.150 χ^2/NDF:2306909.6/20

Out: 643.545+/-0.136 χ^2/NDF:2908314.5/25

All: 660.804+/-0.101 χ^2/NDF: 5251118.4/46



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -103.345+/-567.765 χ^2/NDF:2.3/6

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -918.166+/-628.750 χ^2/NDF:7.7/4

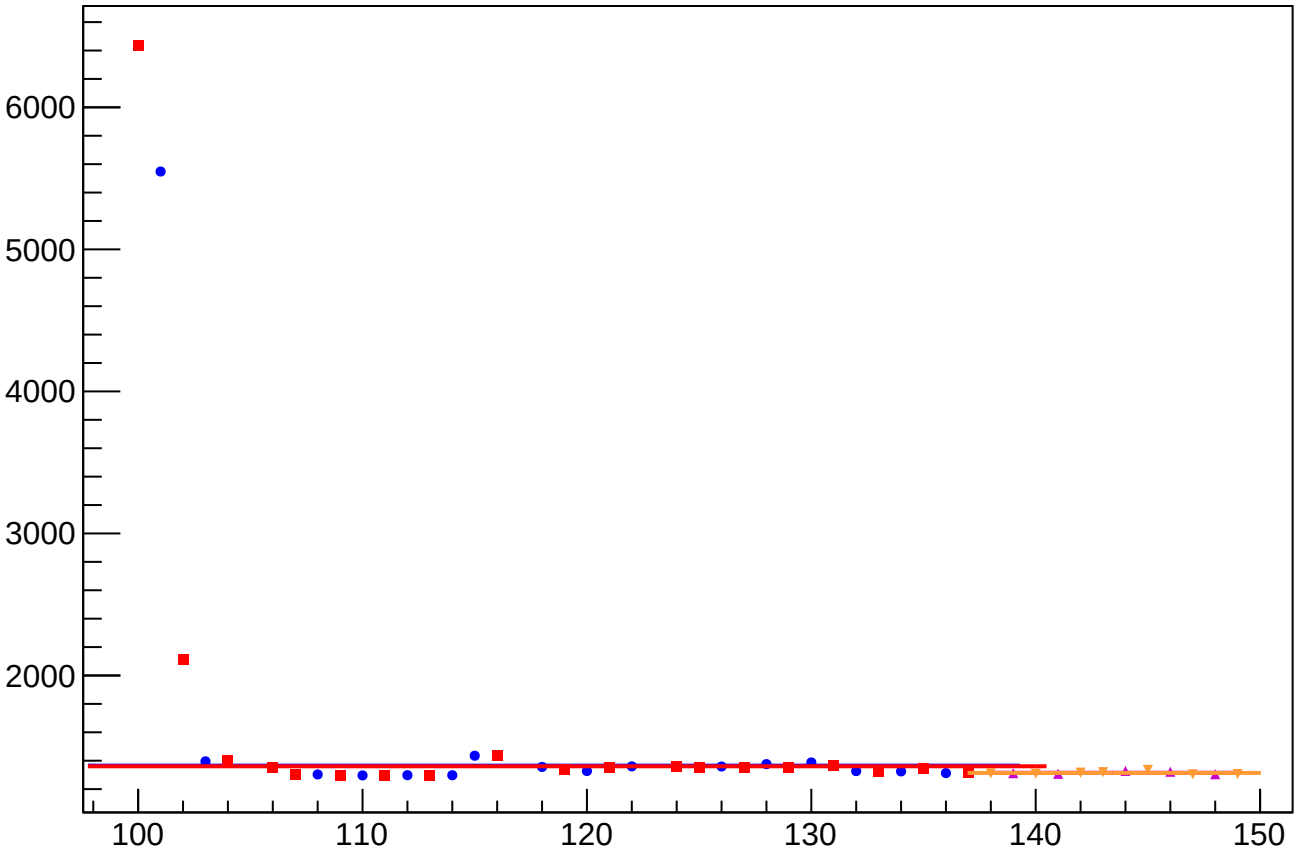
Left: -469.333+/-421.386 χ^2/NDF: 10.9/11

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -142.777+/-401.243 χ^2/NDF:31.6/20

Out: -167.132+/-378.553 χ^2/NDF:12.3/25

All: -155.662+/-275.349 χ^2/NDF: 43.9/46



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.064+/-0.401 χ^2/NDF:630.4/6

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1315.155+/-0.445 χ^2/NDF:400.5/4

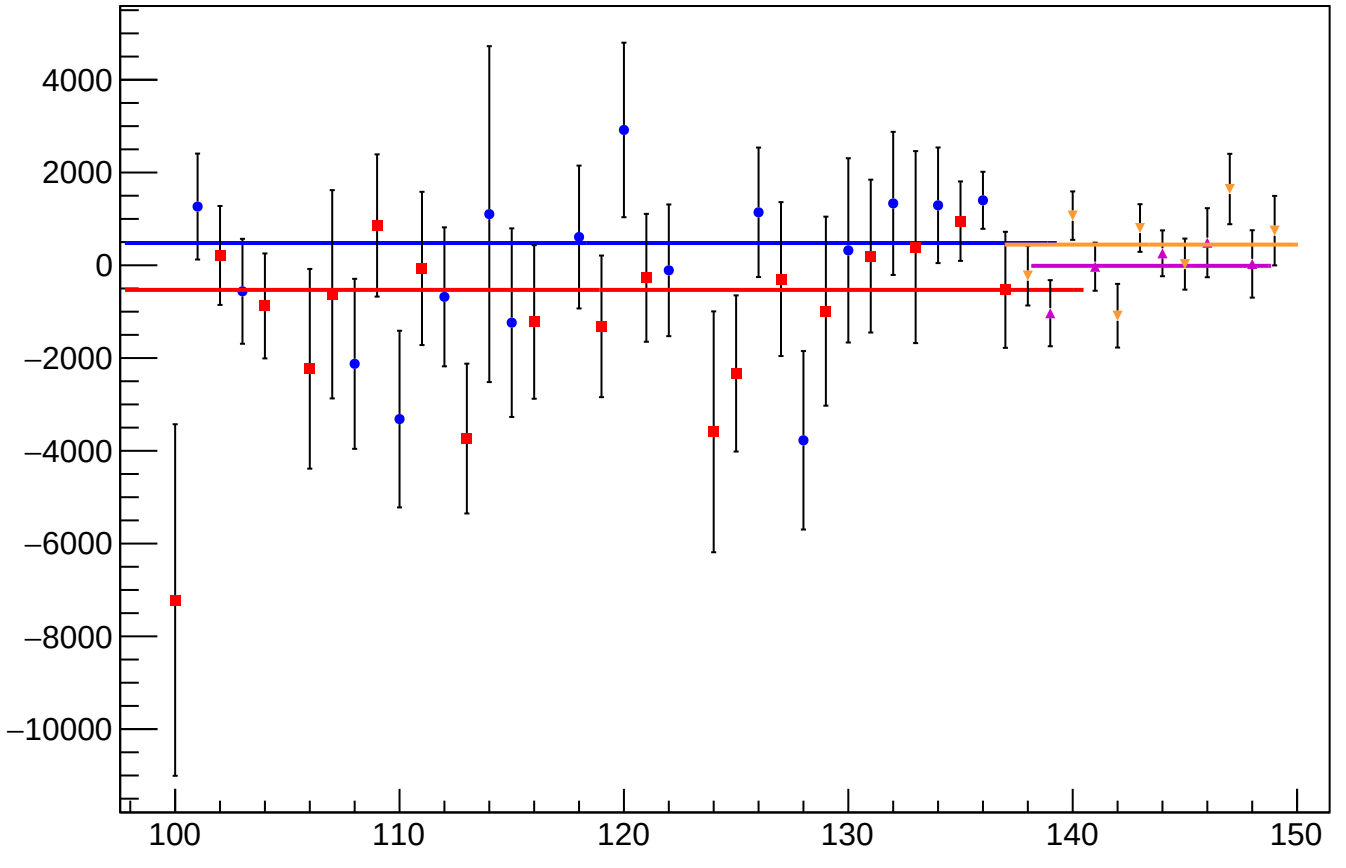
Left: 1314.554+/-0.298 χ^2/NDF: 1034.3/11

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1344.880+/-0.284 χ^2/NDF:766886.3/20

Out: 1340.007+/-0.268 χ^2/NDF:213463.6/25

All: 1342.302+/-0.195 χ^2/NDF: 980505.9/46



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 446.464+/-230.509 χ^2/NDF:11.2/6

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -11.626+/-272.354 χ^2/NDF:2.8/4

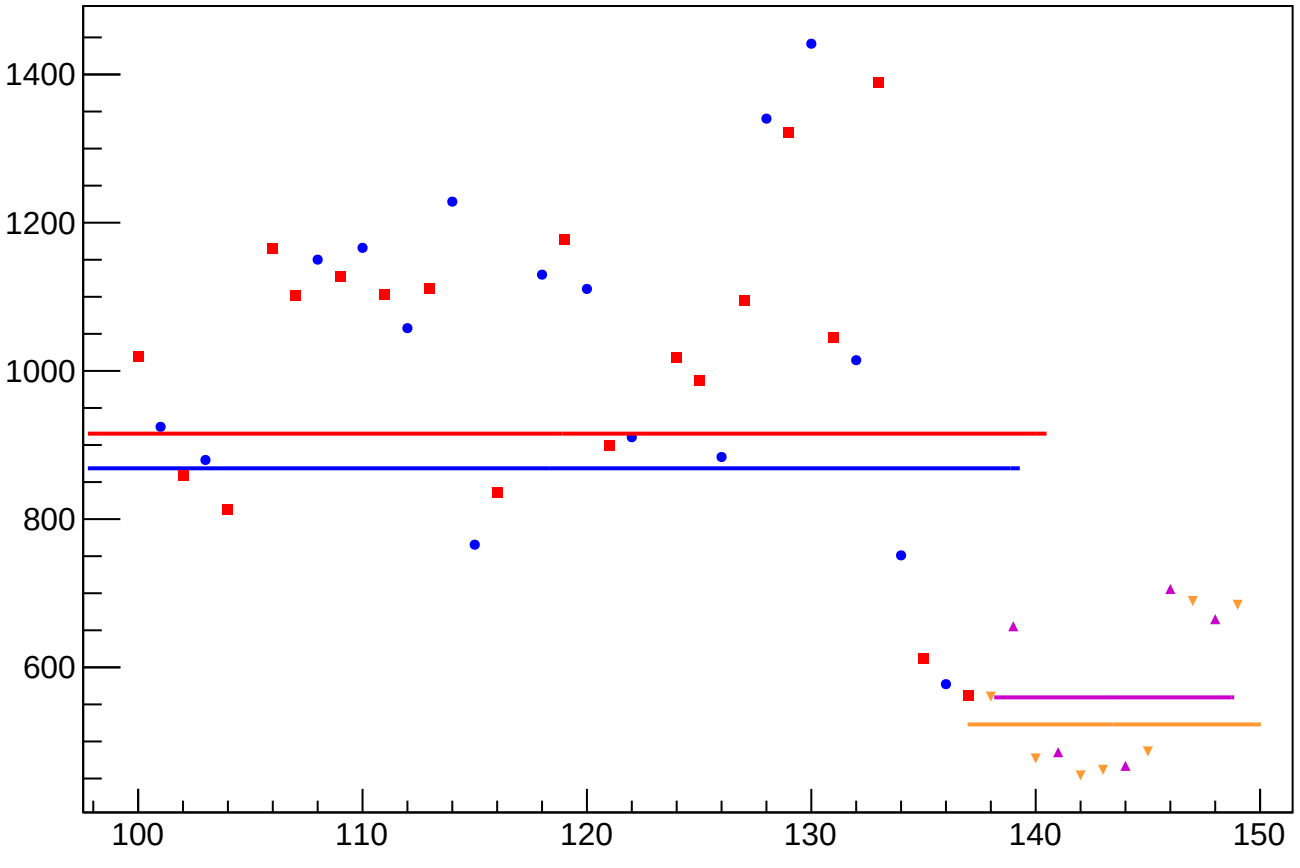
Left: 255.276+/-175.950 χ^2/NDF: 15.7/11

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 183.105+/-211.706 χ^2/NDF:22.7/20

Out: 146.260+/-191.853 χ^2/NDF:32.4/25

All: 162.874+/-142.163 χ^2/NDF: 55.1/46



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 522.976+/-0.163 χ^2/NDF:268675.4/6

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: 538.218+/-0.124 χ^2/NDF: 555819.3/11

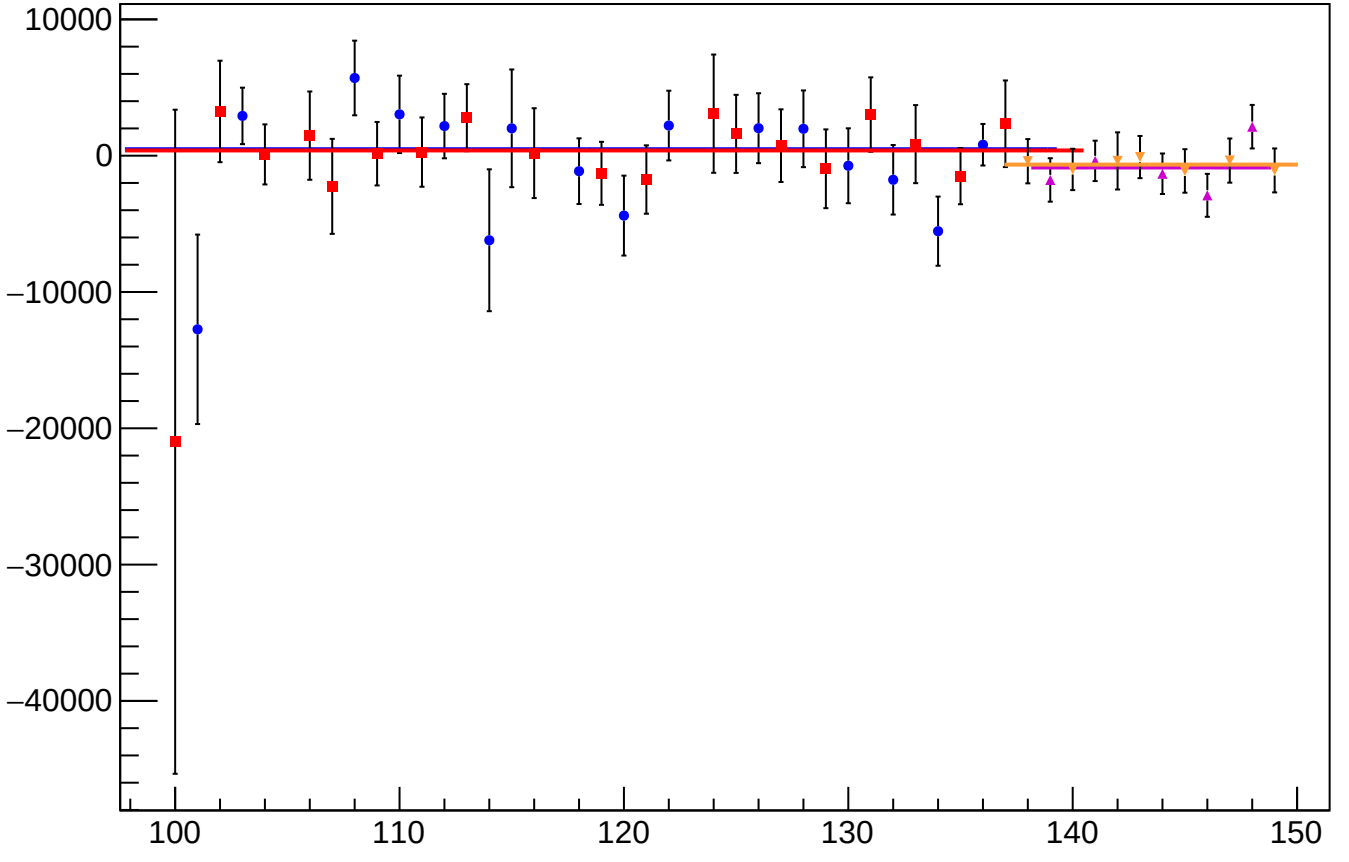
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 681.820+/-0.150 χ^2/NDF:2306893.5/20

Out: 643.544+/-0.136 χ^2/NDF:2908309.7/25

All: 660.804+/-0.101 χ^2/NDF: 5251098.4/46

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -654.867+/-618.048 χ^2/NDF:0.4/6

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -863.874+/-690.585 χ^2/NDF:5.7/4

Left: -747.821+/-460.543 χ^2/NDF: 6.2/11

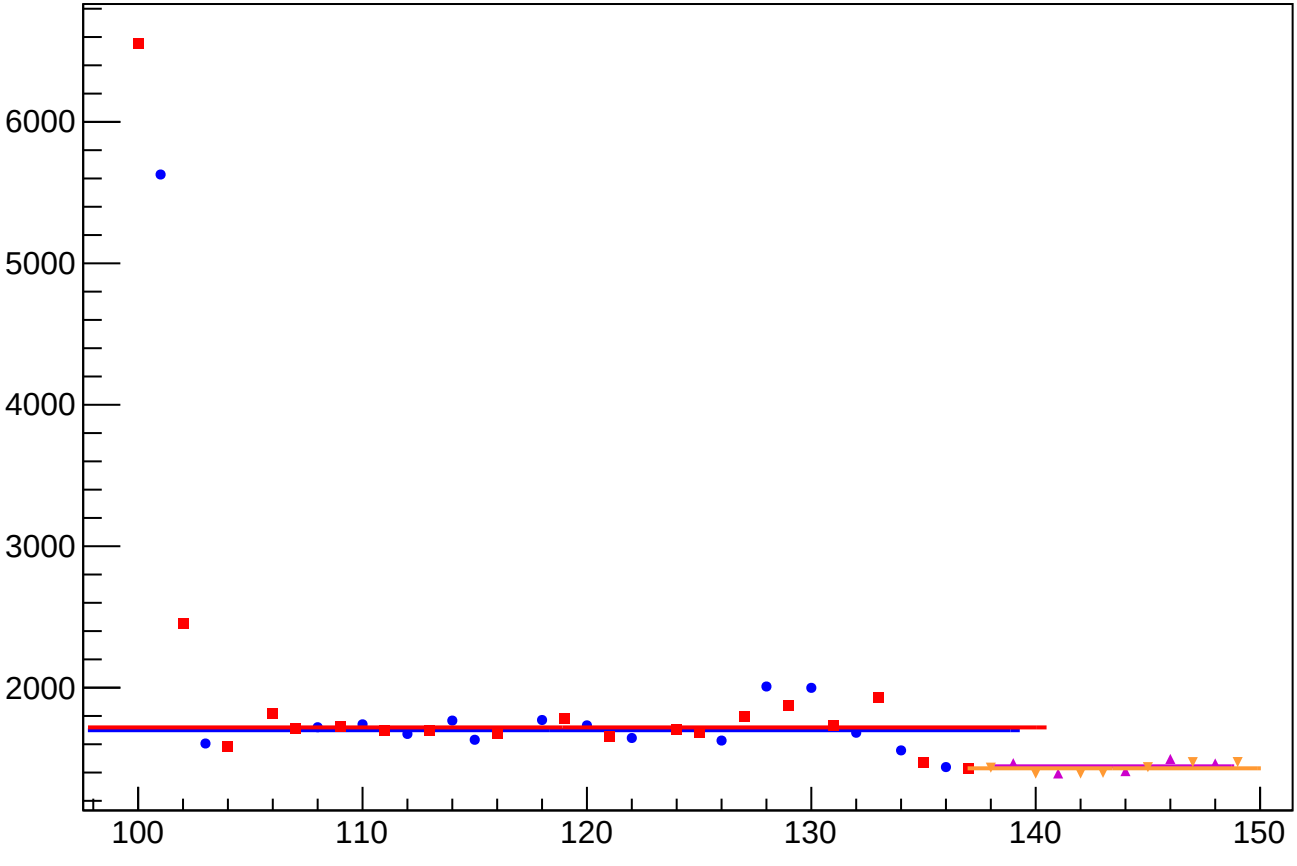
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -153.963+/-473.025 χ^2/NDF:30.4/20

Out: -154.792+/-445.251 χ^2/NDF:9.0/25

All: -154.402+/-324.214 χ^2/NDF: 39.4/46

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1429.918+/-0.437 χ^2/NDF:5752.6/6

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1443.921+/-0.488 χ^2/NDF:6289.3/4

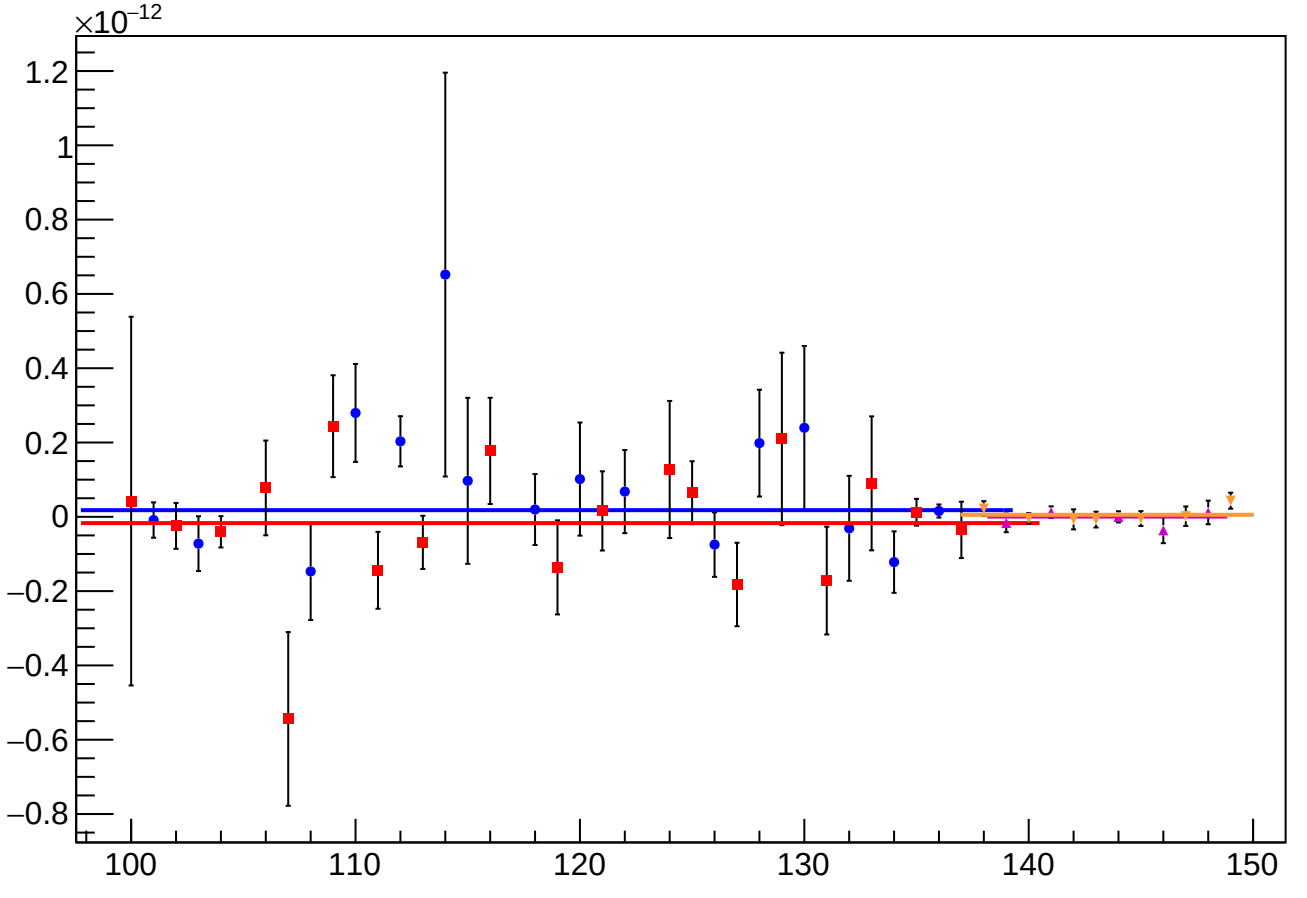
Left: 1436.146+/-0.326 χ^2/NDF: 12498.5/11

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1579.499+/-0.334 χ^2/NDF:913604.3/20

Out: 1569.017+/-0.315 χ^2/NDF:450117.3/25

All: 1573.941+/-0.229 χ^2/NDF: 1364242.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/4

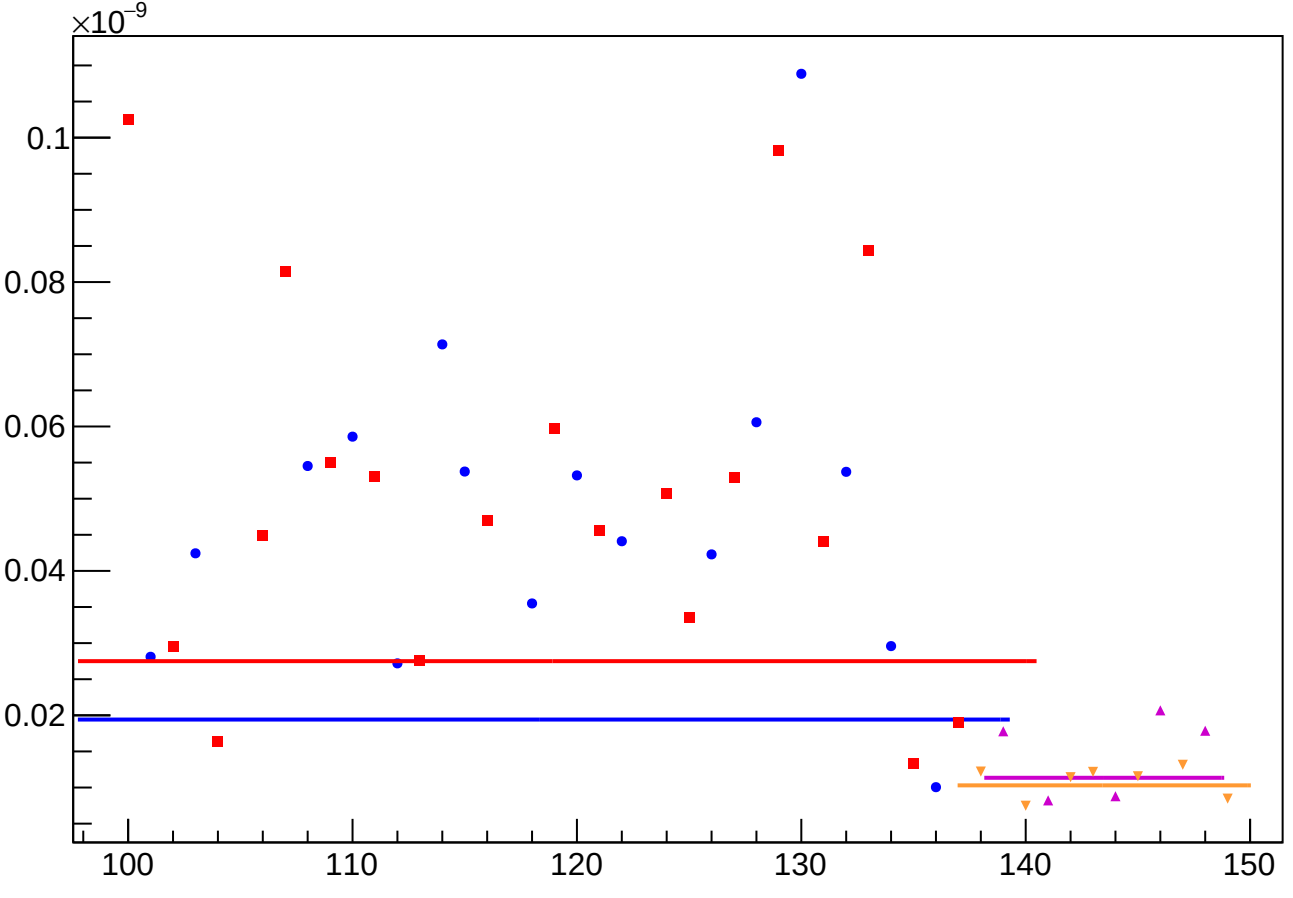
Left: 0.000+/-0.000 χ^2/NDF: 7.6/11

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:26.9/20

Out: 0.000+/-0.000 χ^2/NDF:27.6/25

All: 0.000+/-0.000 χ^2/NDF: 54.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:160388.8/6

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: 675567.7/11

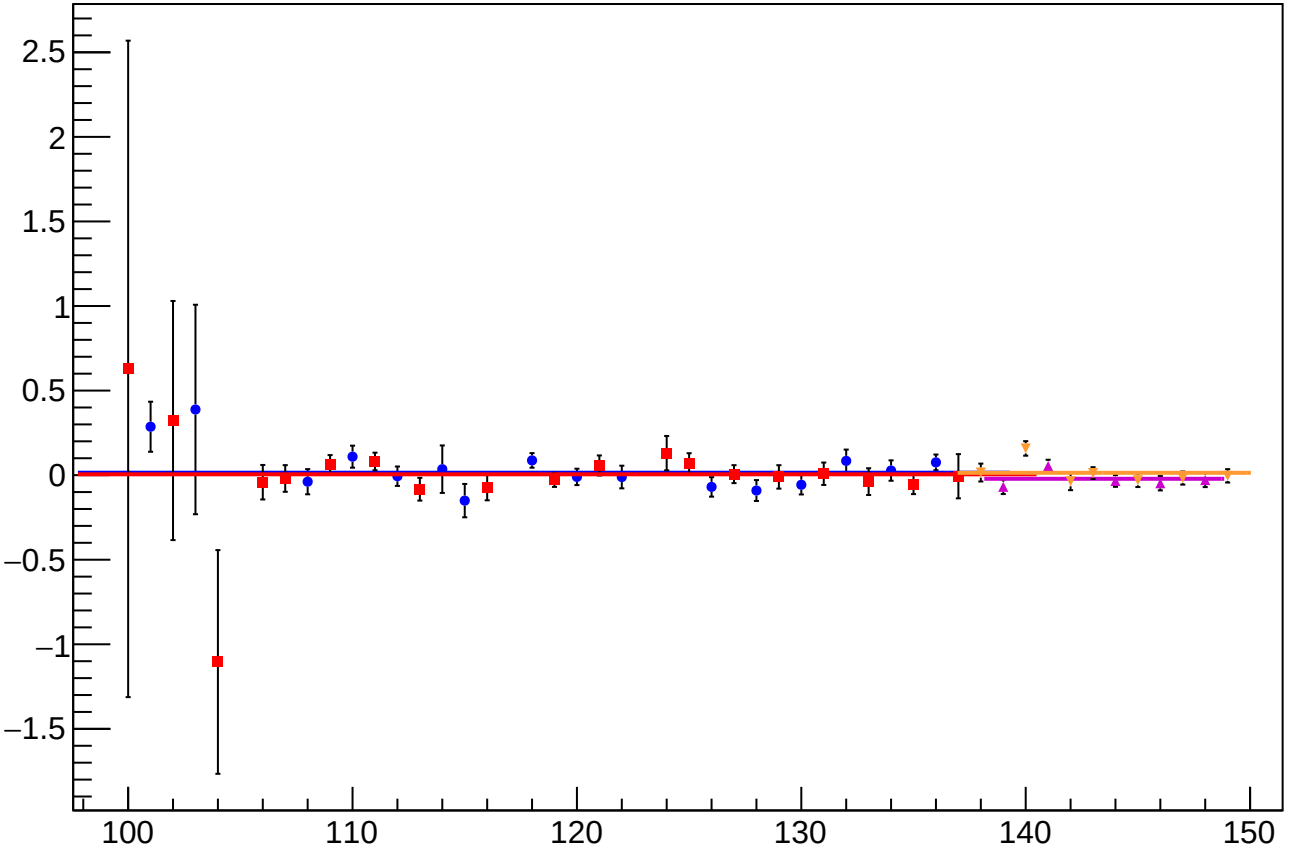
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3223144.3/20

Out: 0.000+/-0.000 χ^2/NDF:3206821.8/25

All: 0.000+/-0.000 χ^2/NDF: 6447401.5/46

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.014+/-0.016 χ^2/NDF:14.2/6

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.022+/-0.018 χ^2/NDF:5.9/4

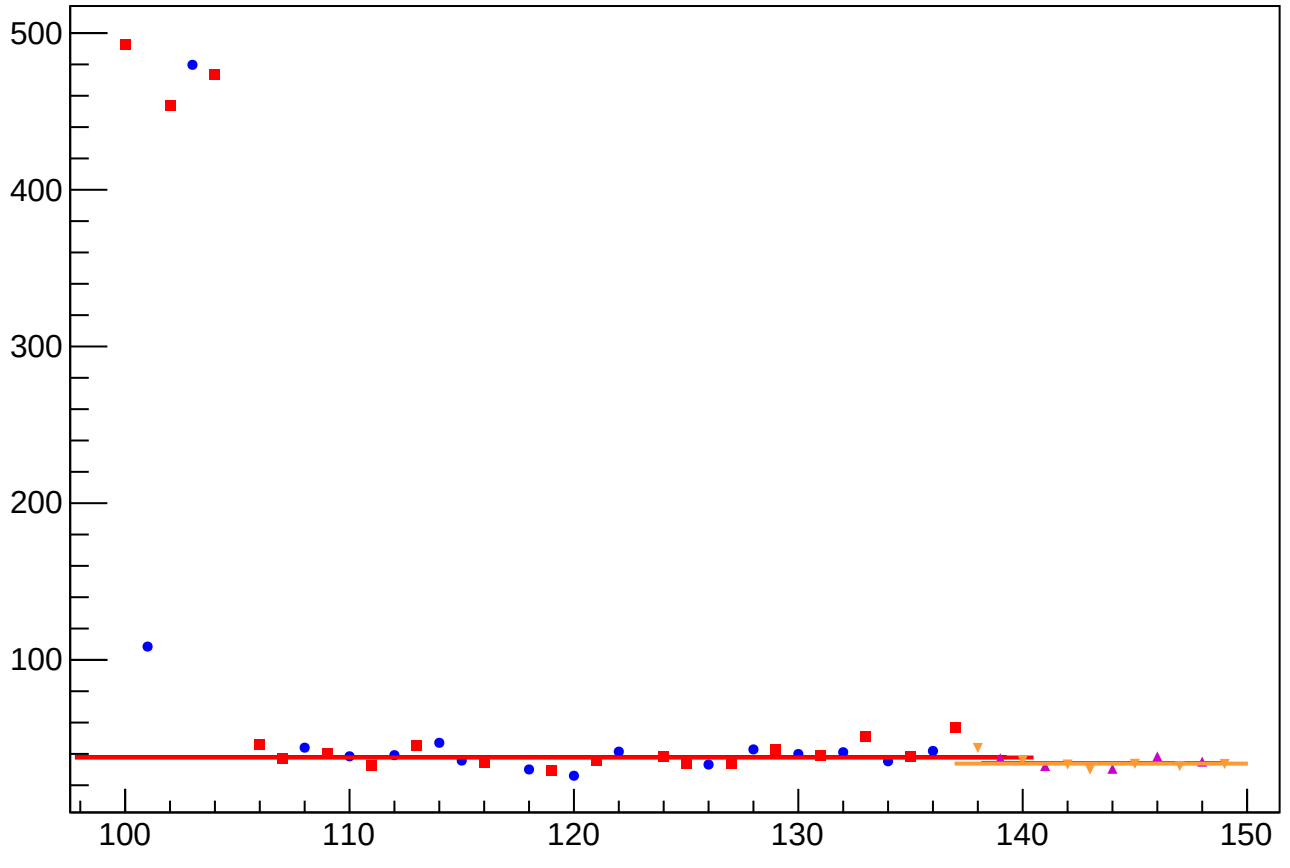
Left: -0.002+/-0.012 χ^2/NDF: 22.4/11

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.009+/-0.011 χ^2/NDF:29.2/25

All: 0.004+/-0.008 χ^2/NDF: 60.0/46



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 33.812+/-0.011 χ^2/NDF:103190.9/6

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: 33.989+/-0.008 χ^2/NDF: 162008.3/11

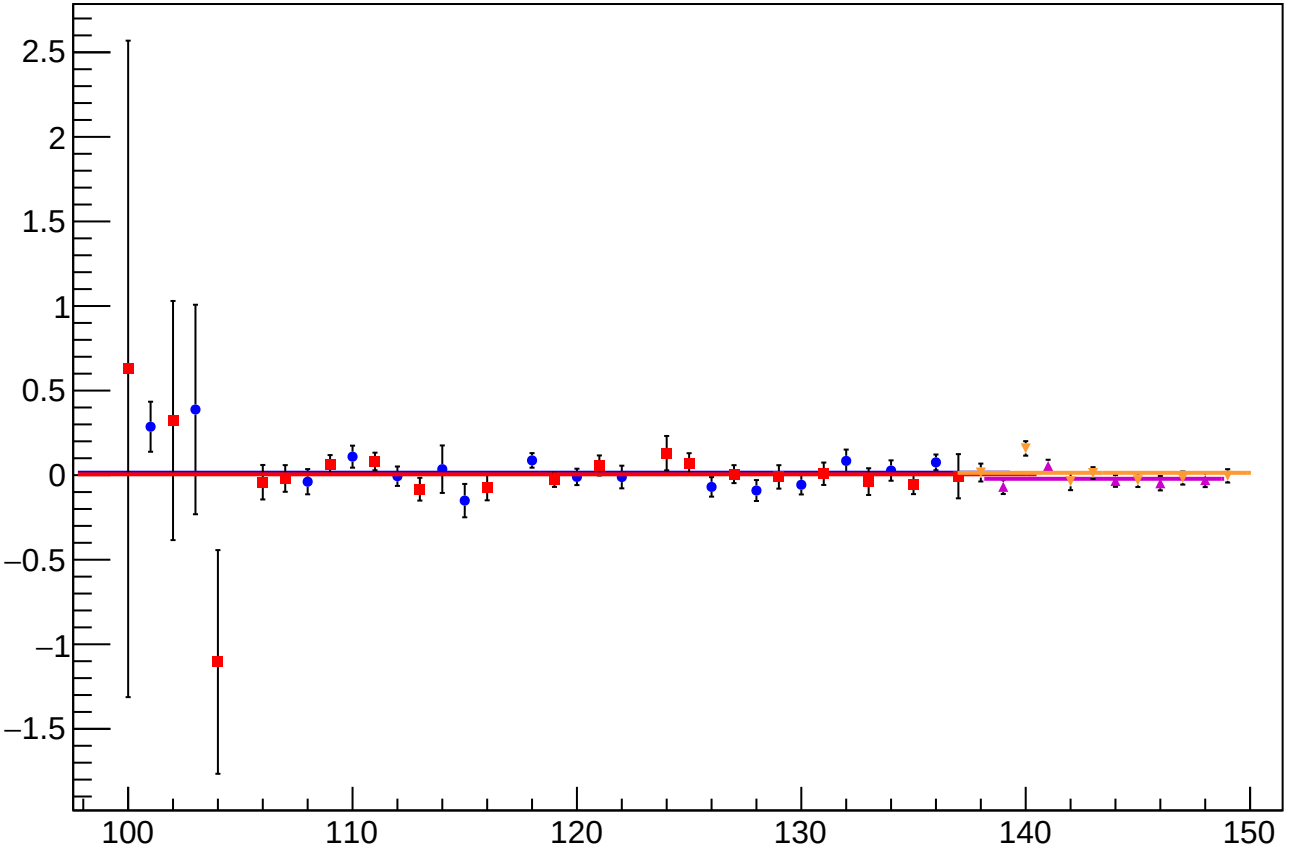
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.258+/-0.008 χ^2/NDF:1847486.7/20

Out: 35.724+/-0.008 χ^2/NDF:2107537.2/25

All: 35.979+/-0.006 χ^2/NDF: 3957166.2/46

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.014+/-0.016 χ^2/NDF:14.2/6

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.022+/-0.018 χ^2/NDF:5.9/4

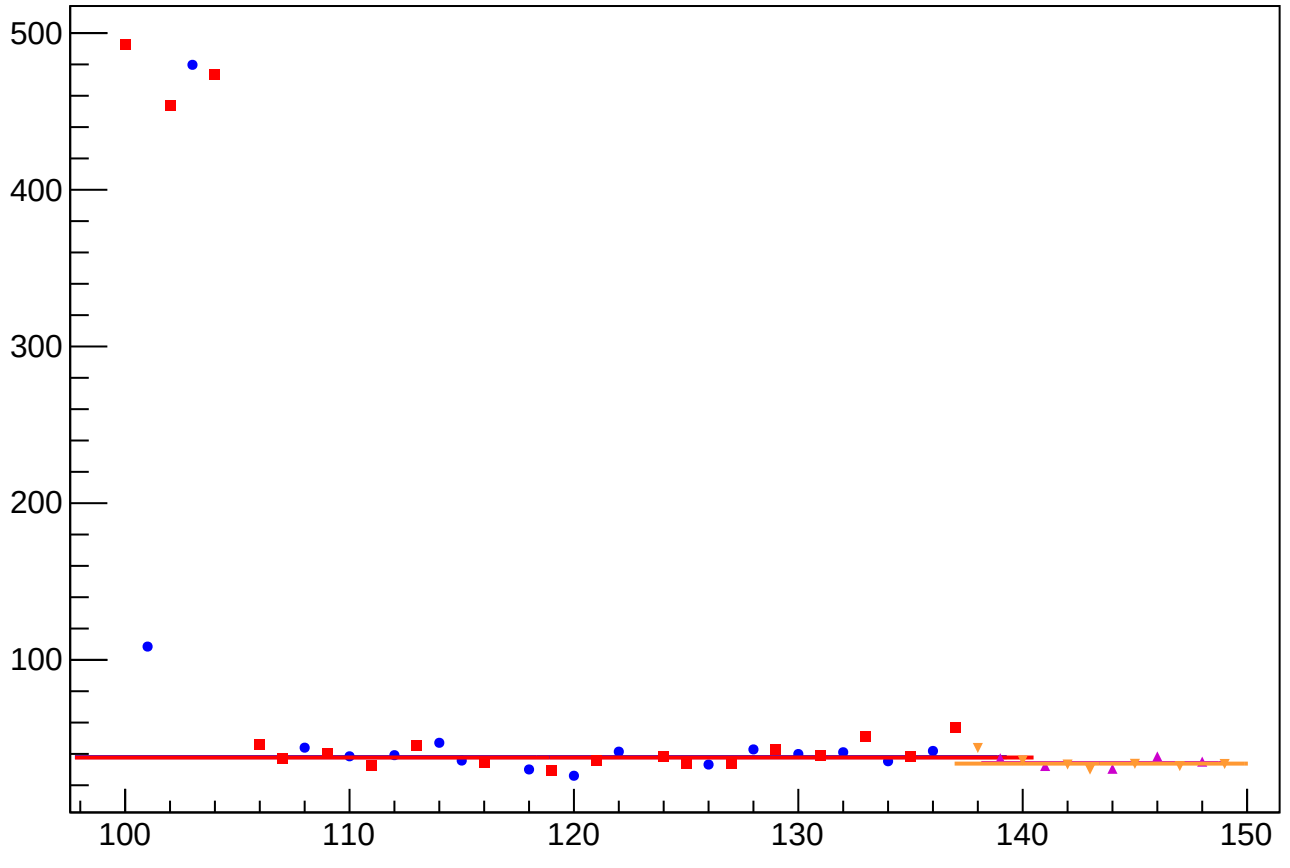
Left: -0.002+/-0.012 χ^2/NDF: 22.4/11

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.009+/-0.011 χ^2/NDF:29.2/25

All: 0.004+/-0.008 χ^2/NDF: 60.0/46



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 33.812+/-0.011 χ^2/NDF:103190.9/6

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.208+/-0.012 χ^2/NDF:58256.2/4

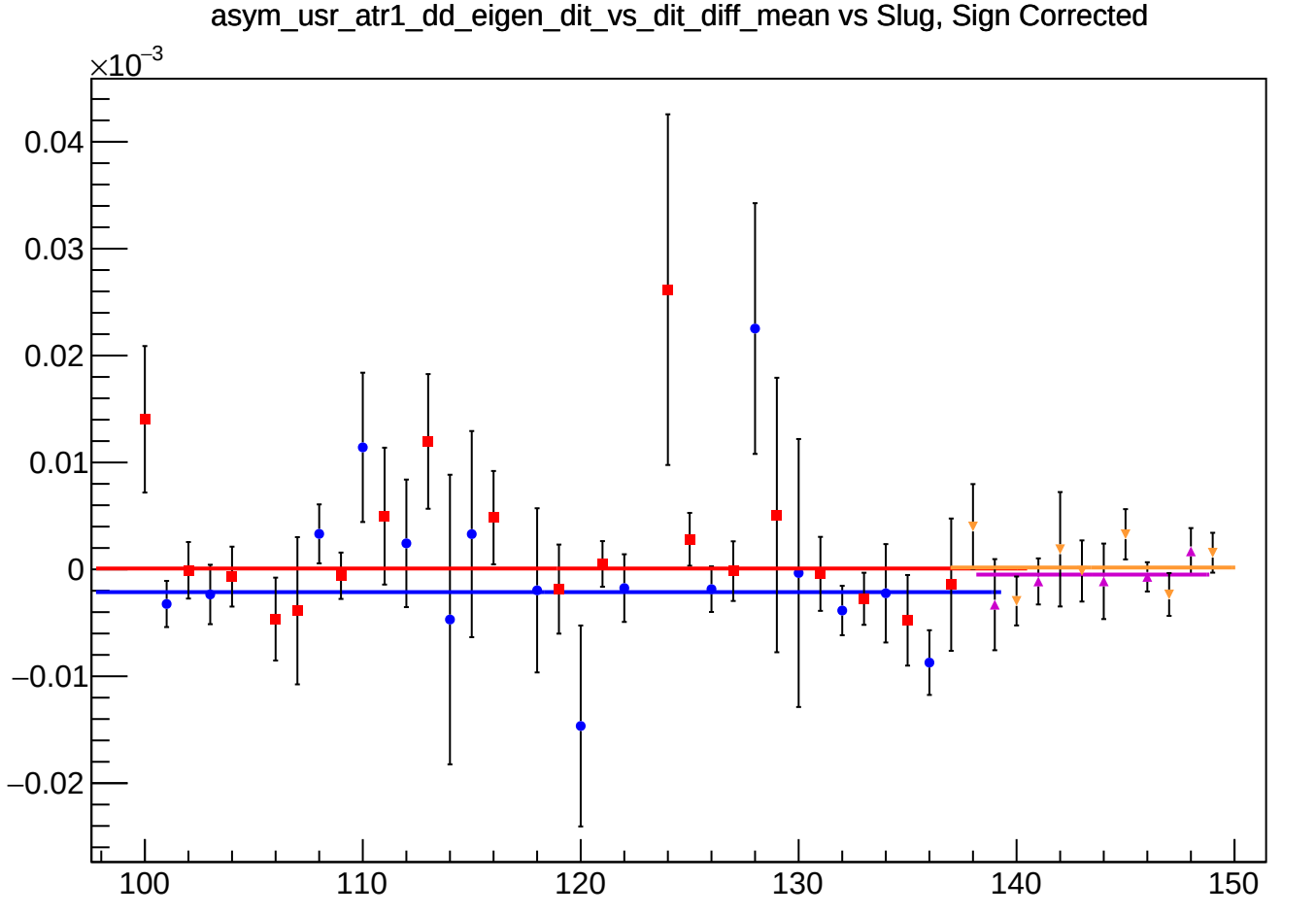
Left: 33.989+/-0.008 χ^2/NDF: 162008.3/11

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.258+/-0.008 χ^2/NDF:1847486.7/20

Out: 35.724+/-0.008 χ^2/NDF:2107537.2/25

All: 35.979+/-0.006 χ^2/NDF: 3957166.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

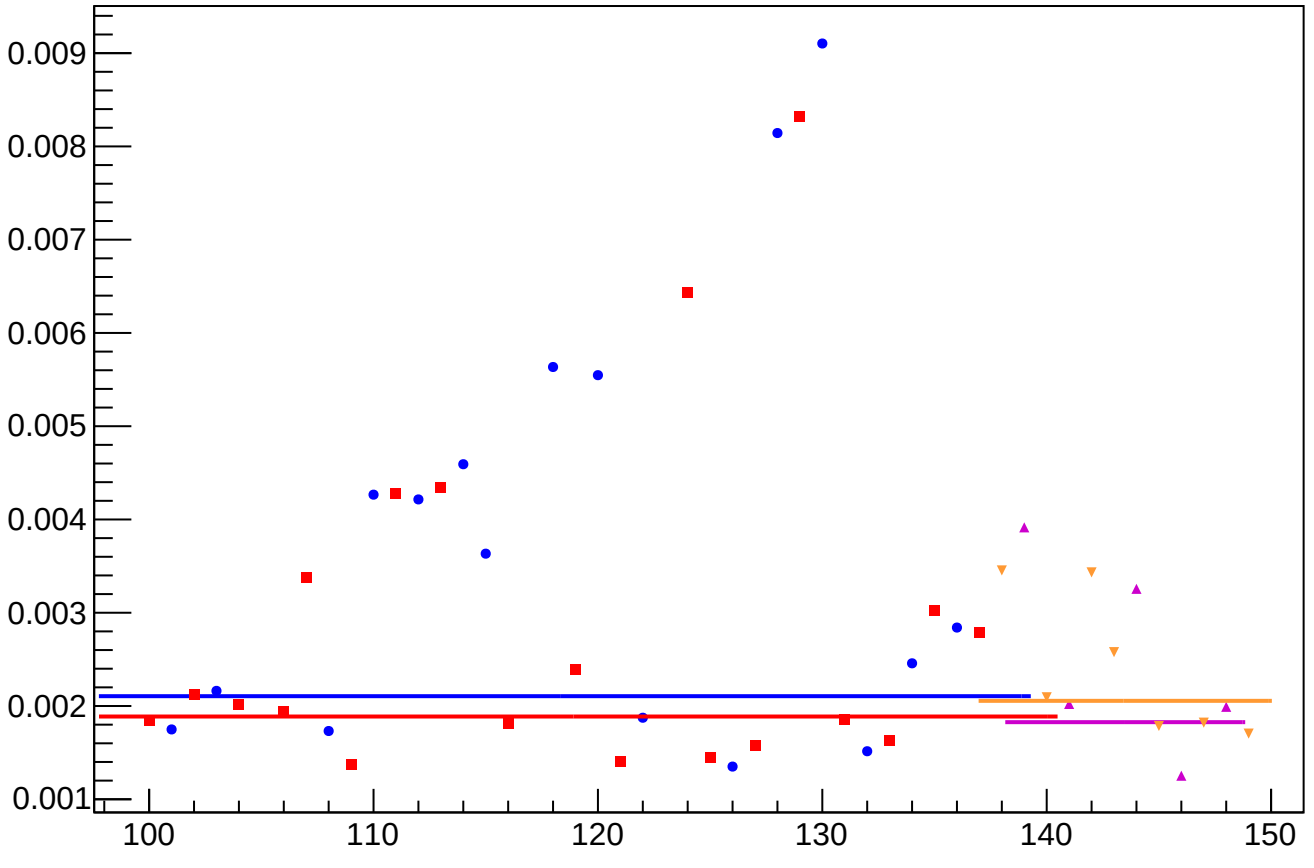
Left: -0.000+/-0.000 χ^2/NDF: 8.6/11

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:25.2/25

All: -0.000+/-0.000 χ^2/NDF: 51.5/46



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:572530.6/6

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: 1818944.6/11

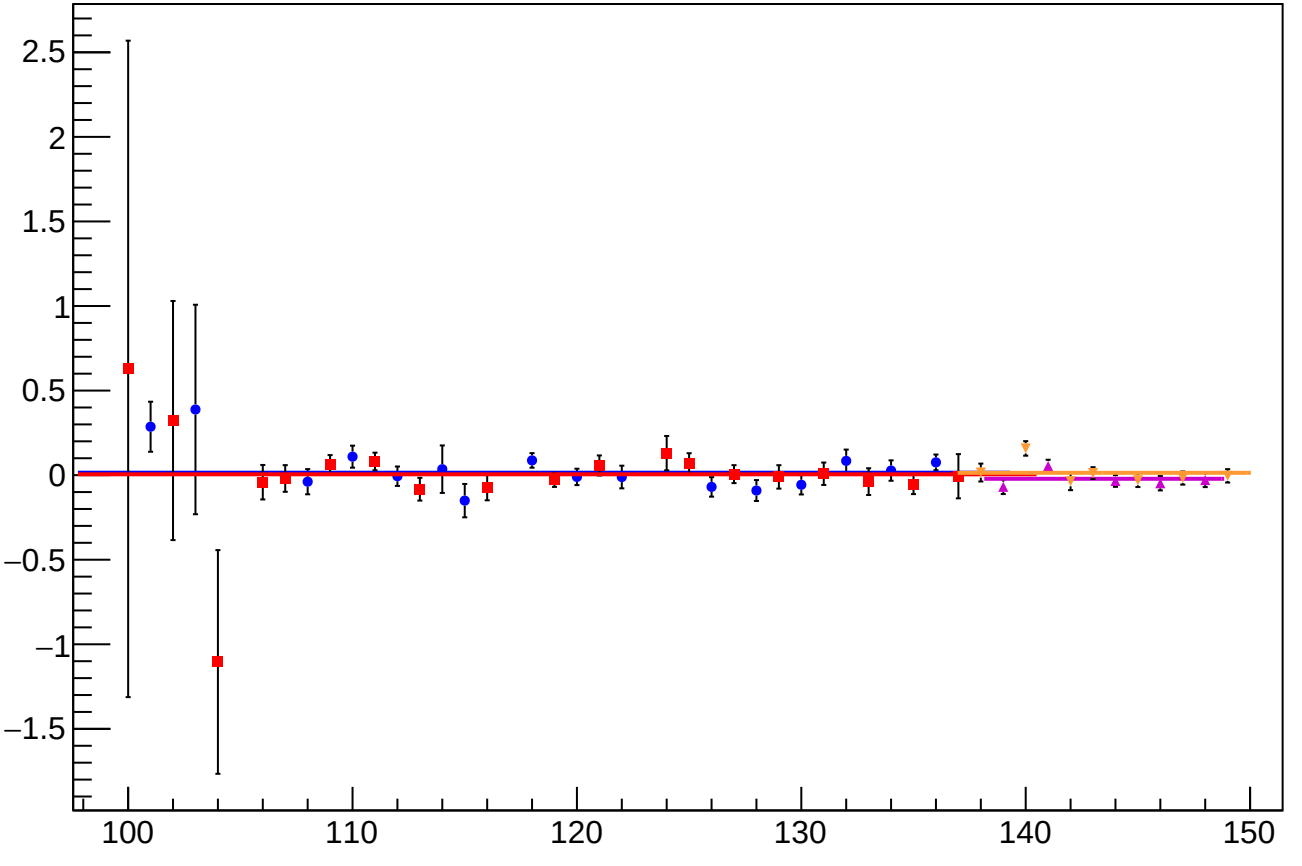
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4296285.5/20

Out: 0.002+/-0.000 χ^2/NDF:2502022.0/25

All: 0.002+/-0.000 χ^2/NDF: 6799152.1/46

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: 0.014+/-0.016 χ^2/NDF:14.2/6

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: 22.4/11

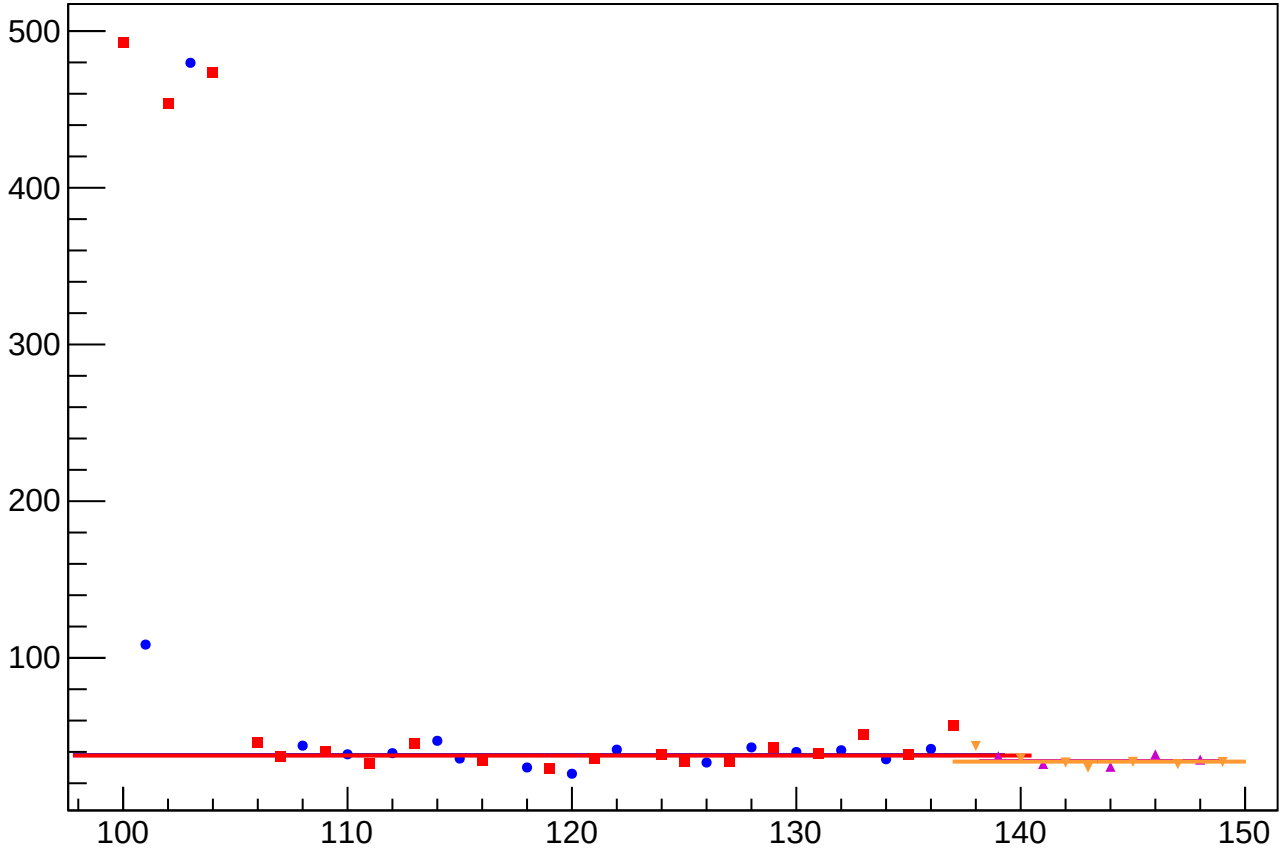
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.009+/-0.011 χ^2/NDF:29.2/25

All: 0.004+/-0.008 χ^2/NDF: 60.0/46

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 33.811+/-0.011 χ^2/NDF:103220.8/6

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: 33.988+/-0.008 χ^2/NDF: 162040.1/11

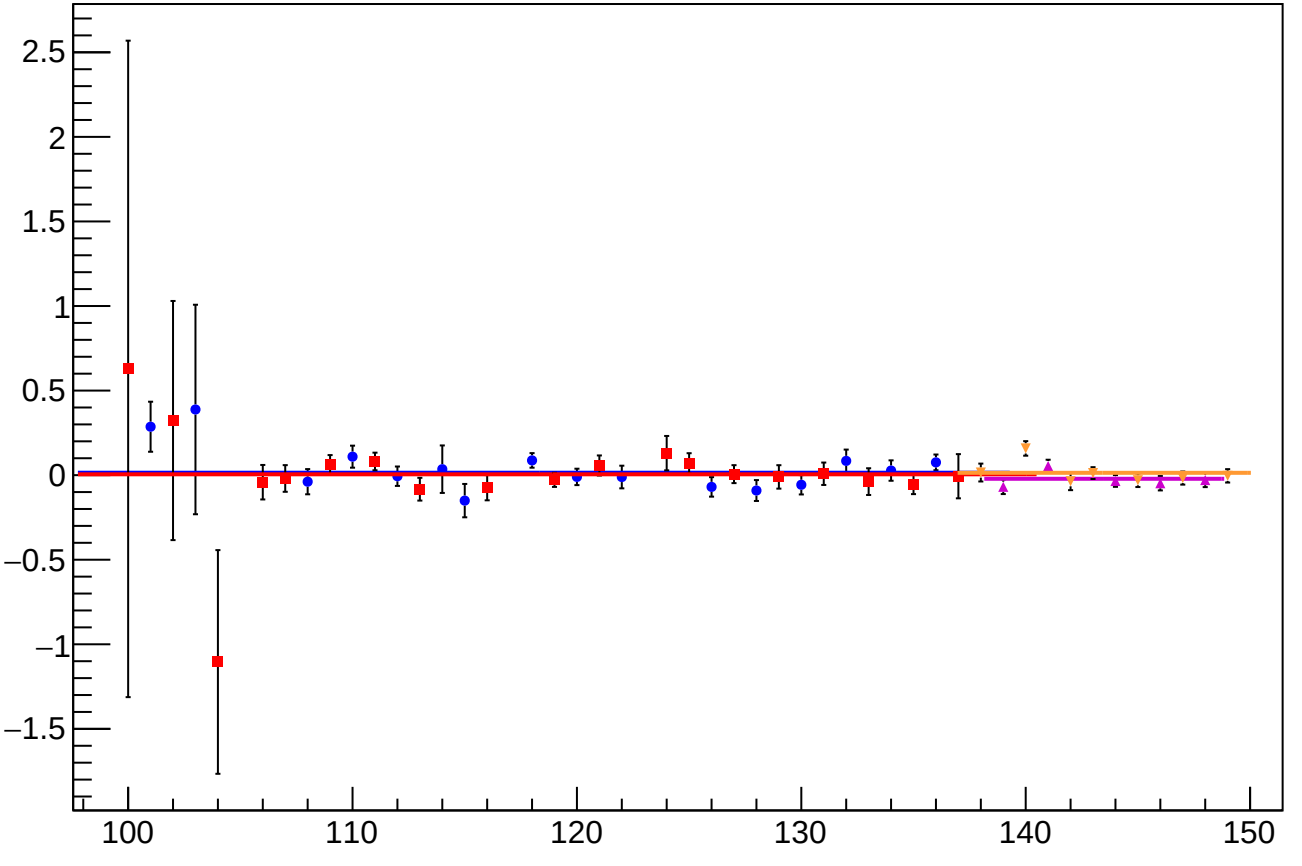
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.258+/-0.008 χ^2/NDF:1847501.3/20

Out: 35.723+/-0.008 χ^2/NDF:2107621.3/25

All: 35.978+/-0.006 χ^2/NDF: 3957267.0/46

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: 0.014+/-0.016 χ^2/NDF:14.2/6

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: 22.4/11

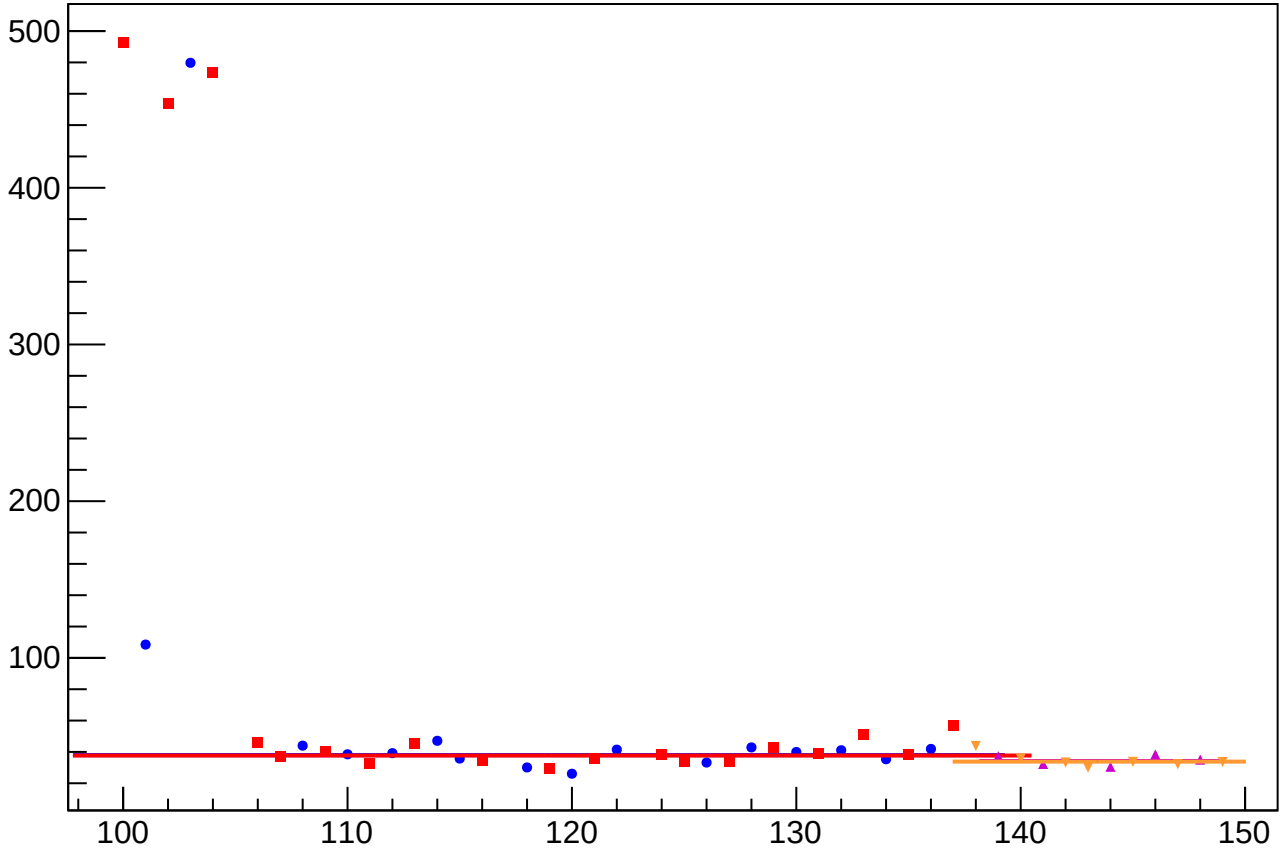
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.012 χ^2/NDF:30.3/20

Out: 0.009+/-0.011 χ^2/NDF:29.2/25

All: 0.004+/-0.008 χ^2/NDF: 60.0/46

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: 33.811+/-0.011 χ^2/NDF:103220.8/6

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.207+/-0.012 χ^2/NDF:58258.5/4

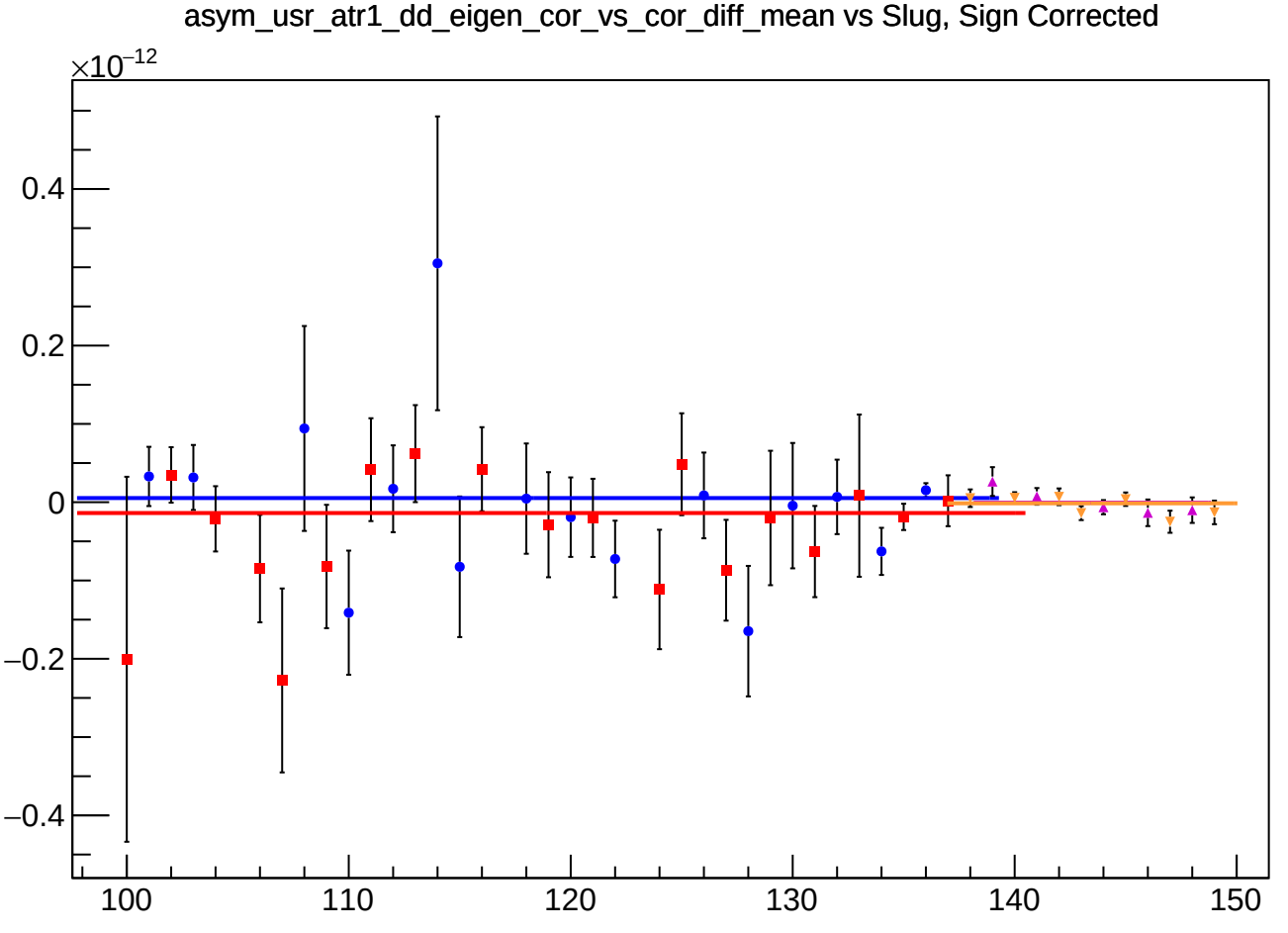
Left: 33.988+/-0.008 χ^2/NDF: 162040.1/11

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.258+/-0.008 χ^2/NDF:1847501.3/20

Out: 35.723+/-0.008 χ^2/NDF:2107621.3/25

All: 35.978+/-0.006 χ^2/NDF: 3957267.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/4

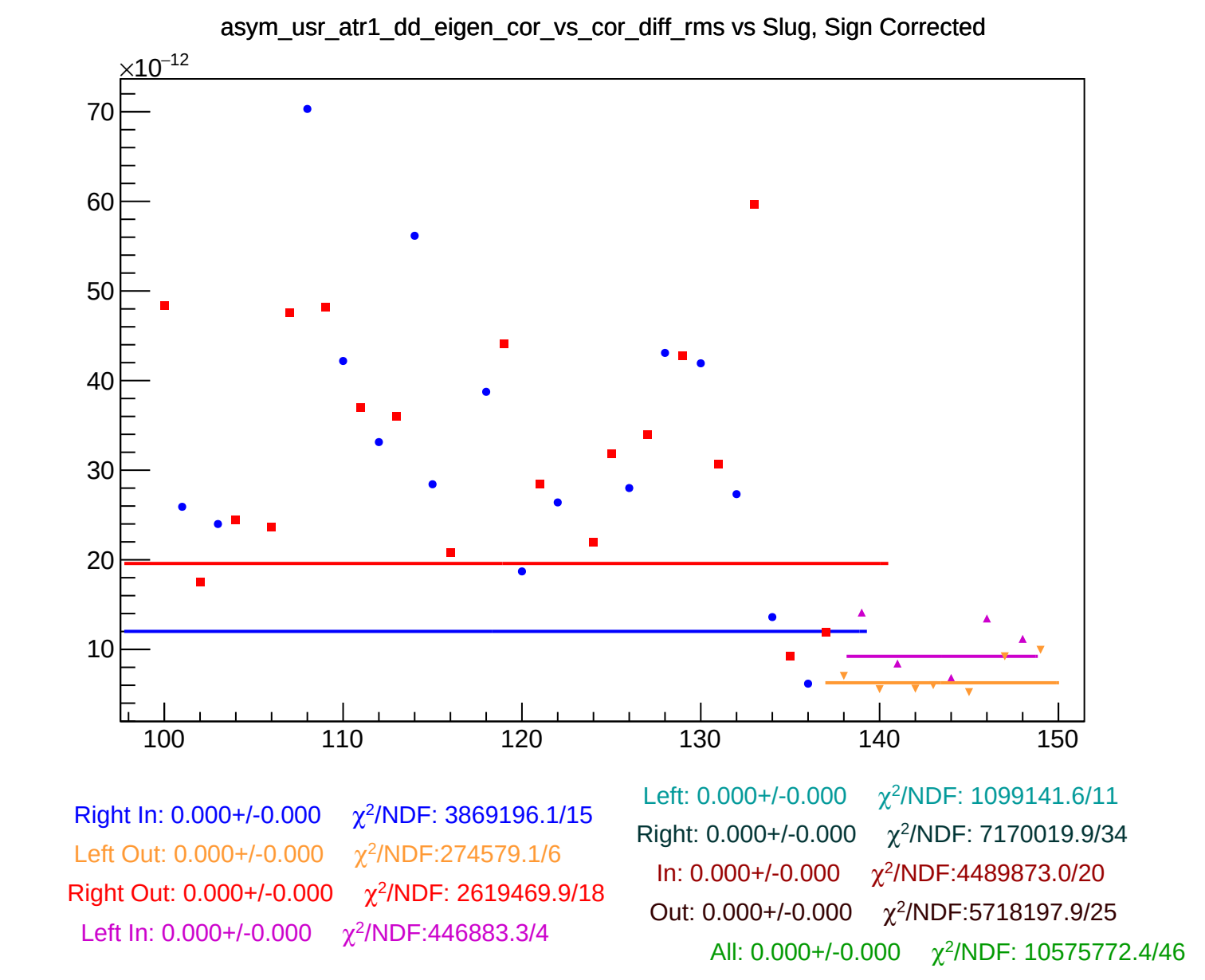
Left: -0.000+/-0.000 χ^2/NDF: 11.6/11

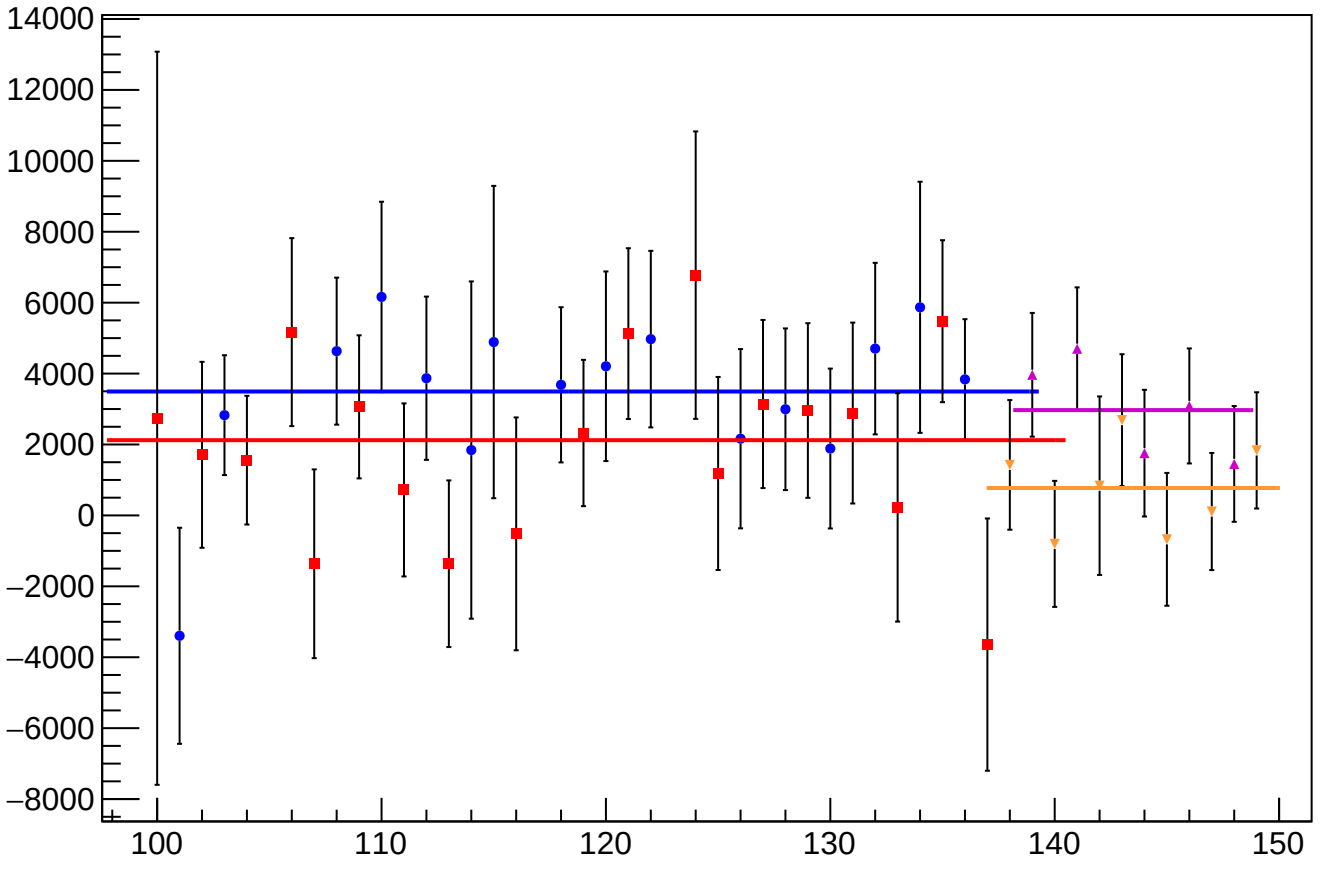
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:26.1/20

Out: -0.000+/-0.000 χ^2/NDF:24.8/25

All: -0.000+/-0.000 χ^2/NDF: 51.4/46


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:274579.1/6
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: 1099141.6/11
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:5718197.9/25
All: 0.000+/-0.000 χ²/NDF: 10575772.4/46



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 773.362+/-692.140 χ^2/NDF:3.2/6

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: 1768.990+/-511.761 χ^2/NDF: 10.4/11

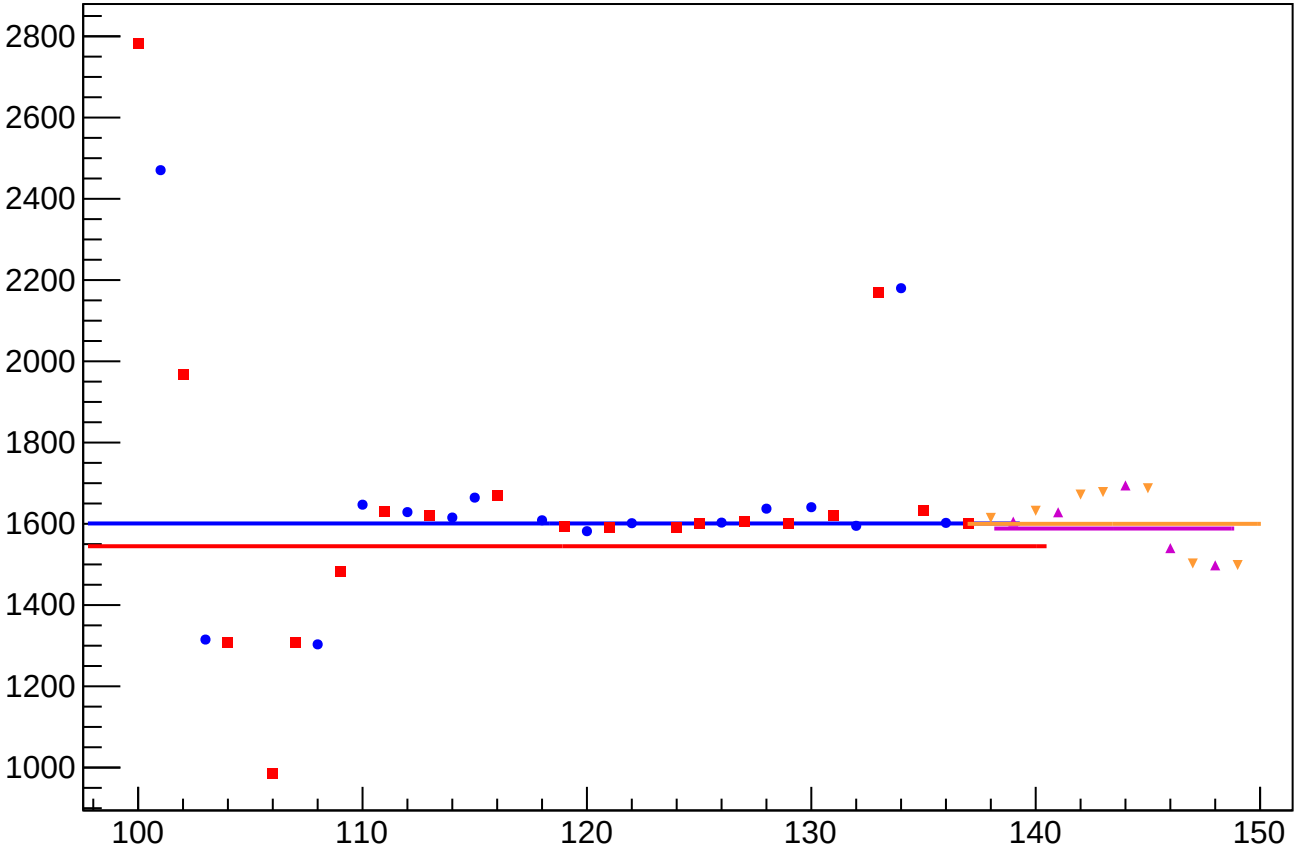
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3292.485+/-471.527 χ^2/NDF:11.8/20

Out: 1556.936+/-447.953 χ^2/NDF:20.4/25

All: 2380.243+/-324.765 χ^2/NDF: 39.3/46

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1599.939+/-0.489 χ^2/NDF:24979.5/6

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

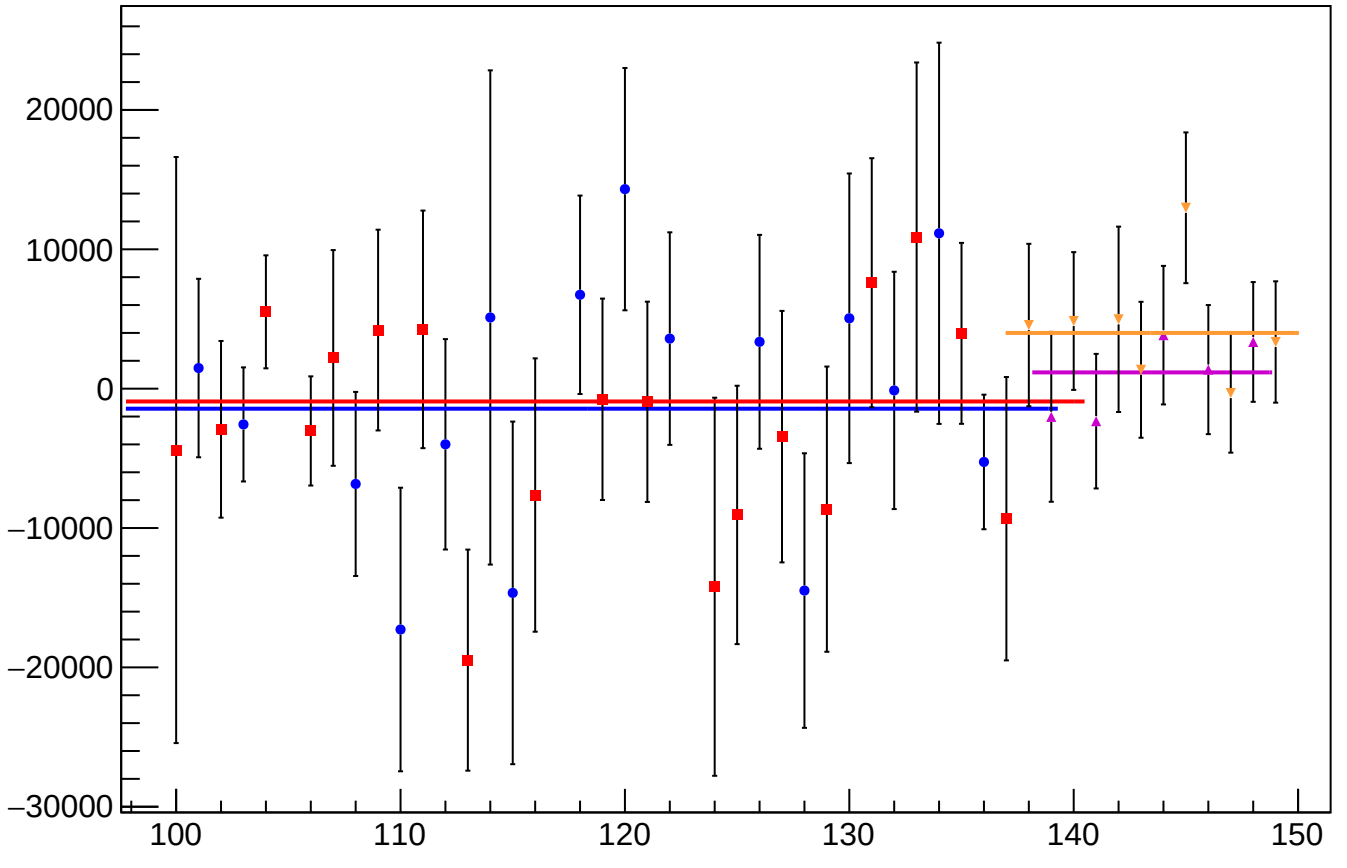
Left: 1594.695+/-0.362 χ^2/NDF: 41475.5/11

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1596.066+/-0.333 χ^2/NDF:333989.9/20

Out: 1567.451+/-0.314 χ^2/NDF:408584.3/25

All: 1580.885+/-0.228 χ^2/NDF: 746481.9/46



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3998.709+/-1901.596 χ^2/NDF:4.1/6

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1167.368+/-2176.822 χ^2/NDF:1.3/4

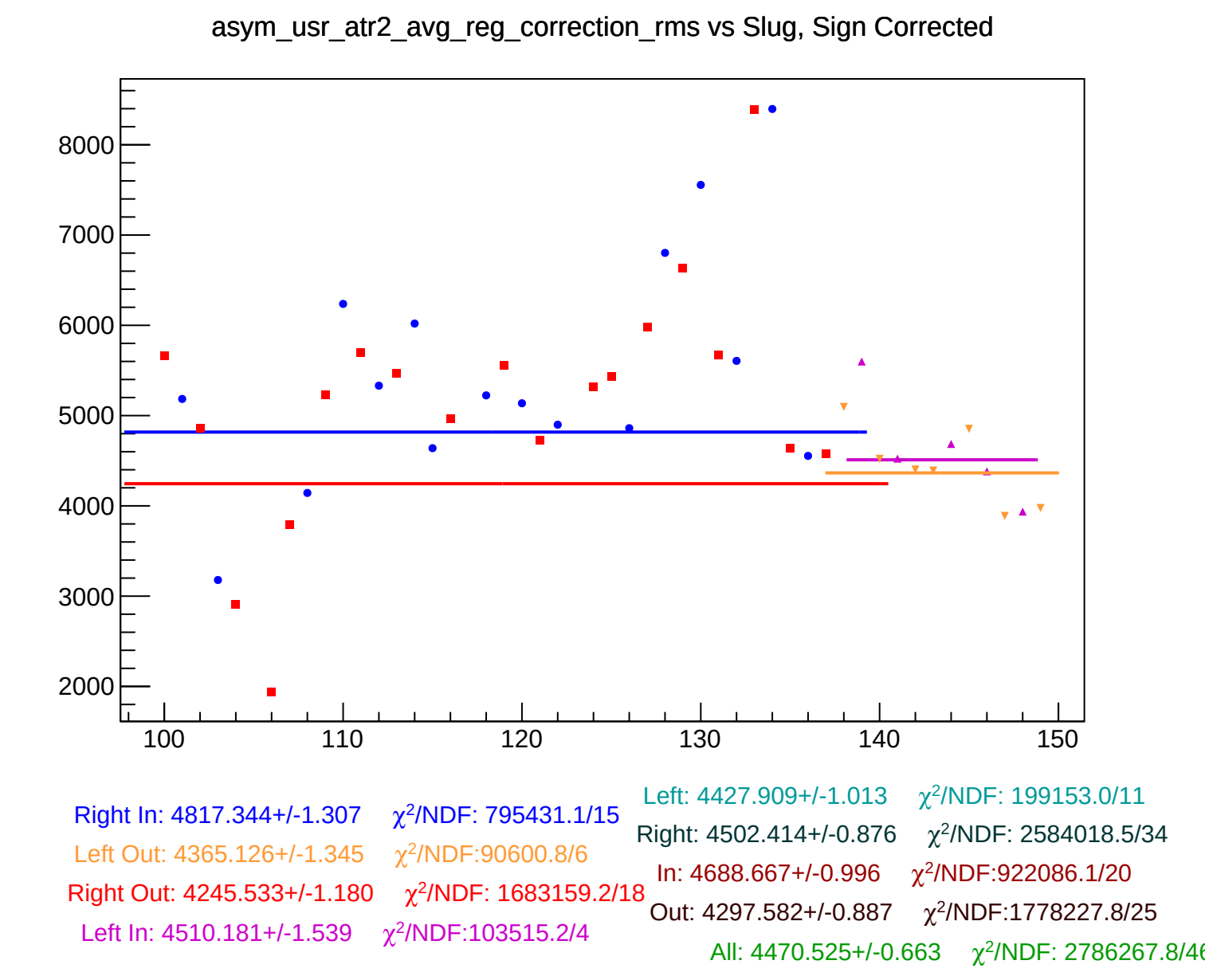
Left: 2773.241+/-1432.115 χ^2/NDF: 6.5/11

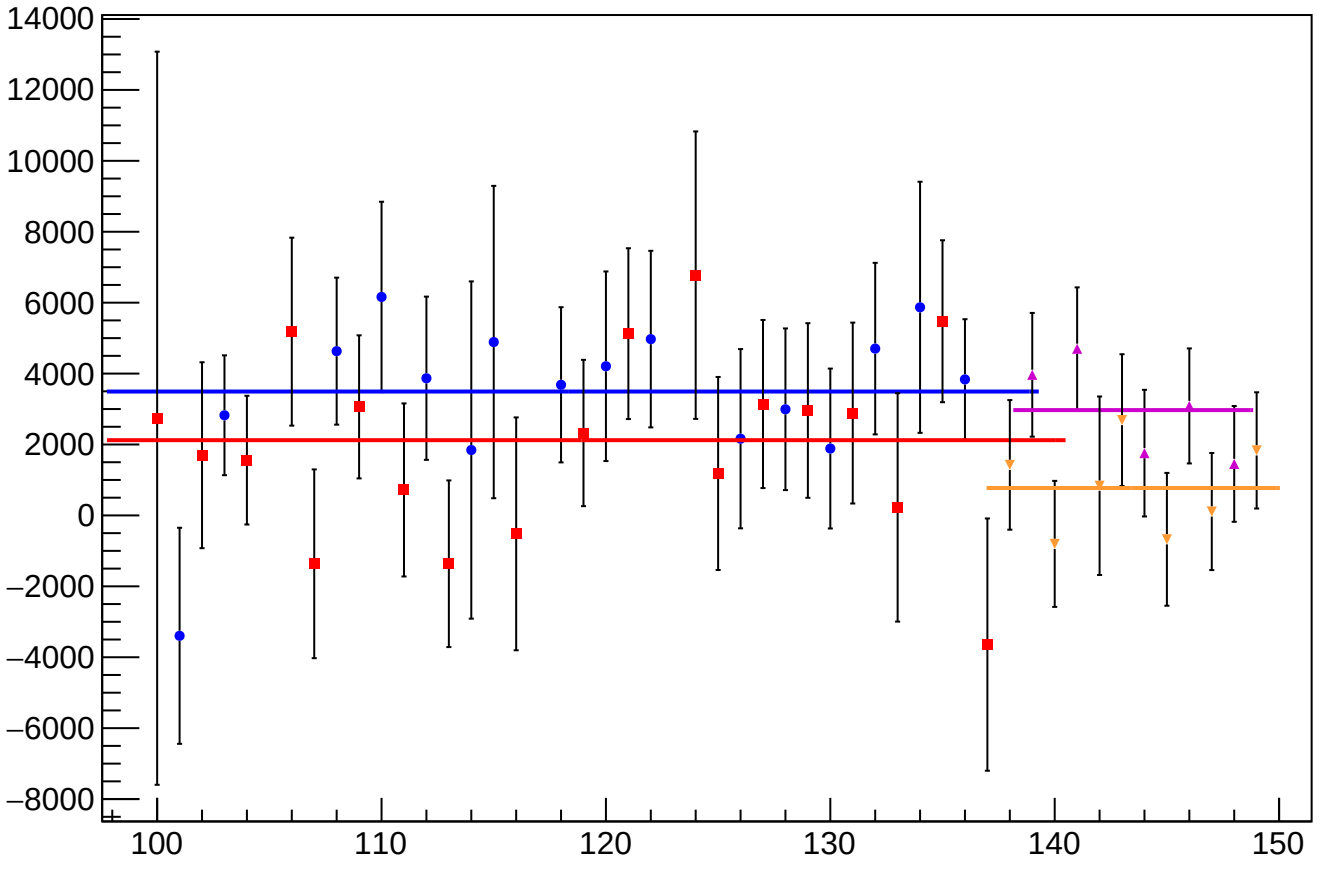
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -346.050+/-1408.925 χ^2/NDF:16.0/20

Out: 1221.552+/-1254.499 χ^2/NDF:23.3/25

All: 528.336+/-936.923 χ^2/NDF: 40.0/46


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4365.126+/-1.345 χ²/NDF:90600.8/6
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4510.181+/-1.539 χ²/NDF:103515.2/4
Left: 4427.909+/-1.013 χ²/NDF: 199153.0/11
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4688.667+/-0.996 χ²/NDF:922086.1/20
Out: 4297.582+/-0.887 χ²/NDF:1778227.8/25
All: 4470.525+/-0.663 χ²/NDF: 2786267.8/46



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 773.312+/-692.140 χ^2/NDF:3.2/6

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: 1769.091+/-511.761 χ^2/NDF: 10.4/11

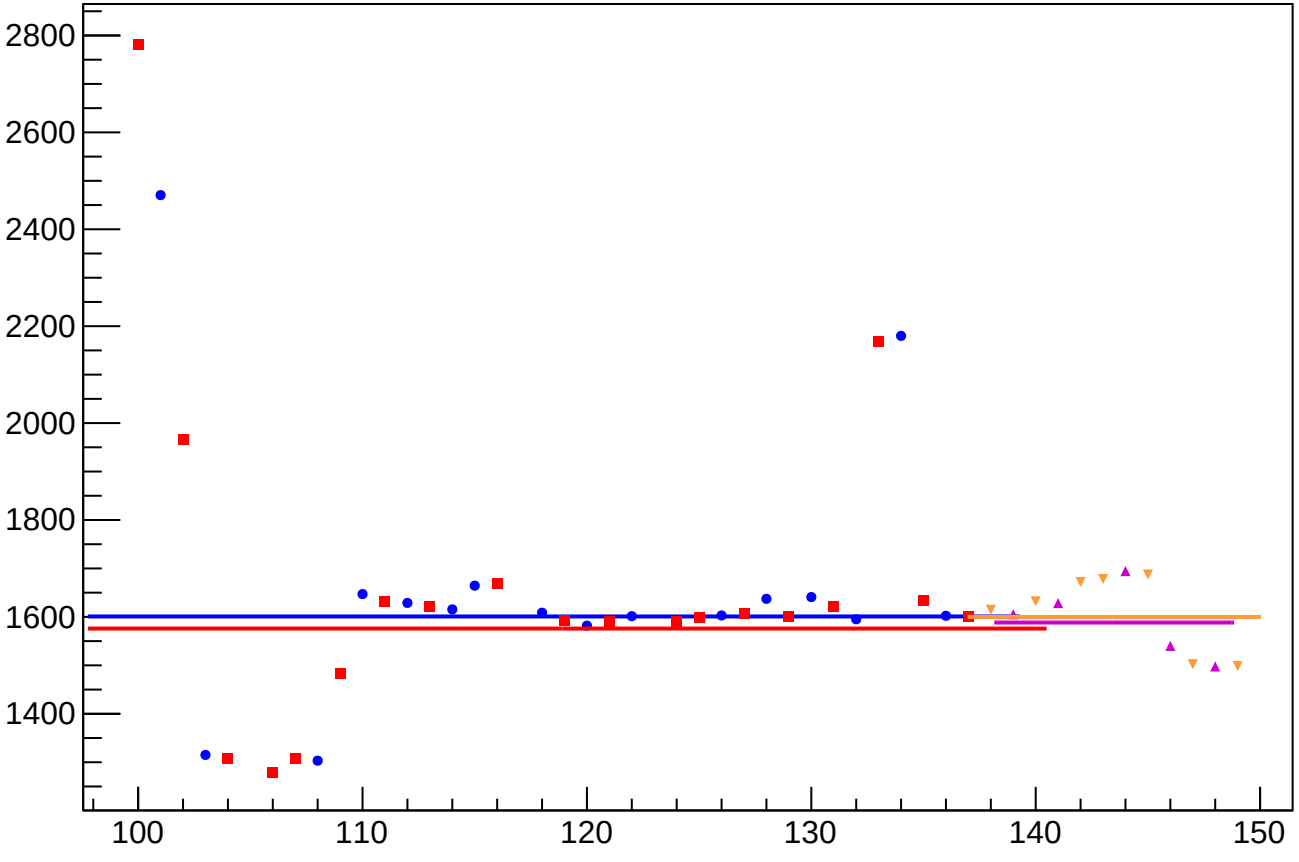
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3292.388+/-471.527 χ^2/NDF:11.8/20

Out: 1556.907+/-447.954 χ^2/NDF:20.5/25

All: 2380.184+/-324.765 χ^2/NDF: 39.3/46

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1599.939+/-0.489 χ^2/NDF:24979.5/6

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1588.372+/-0.537 χ^2/NDF:16242.8/4

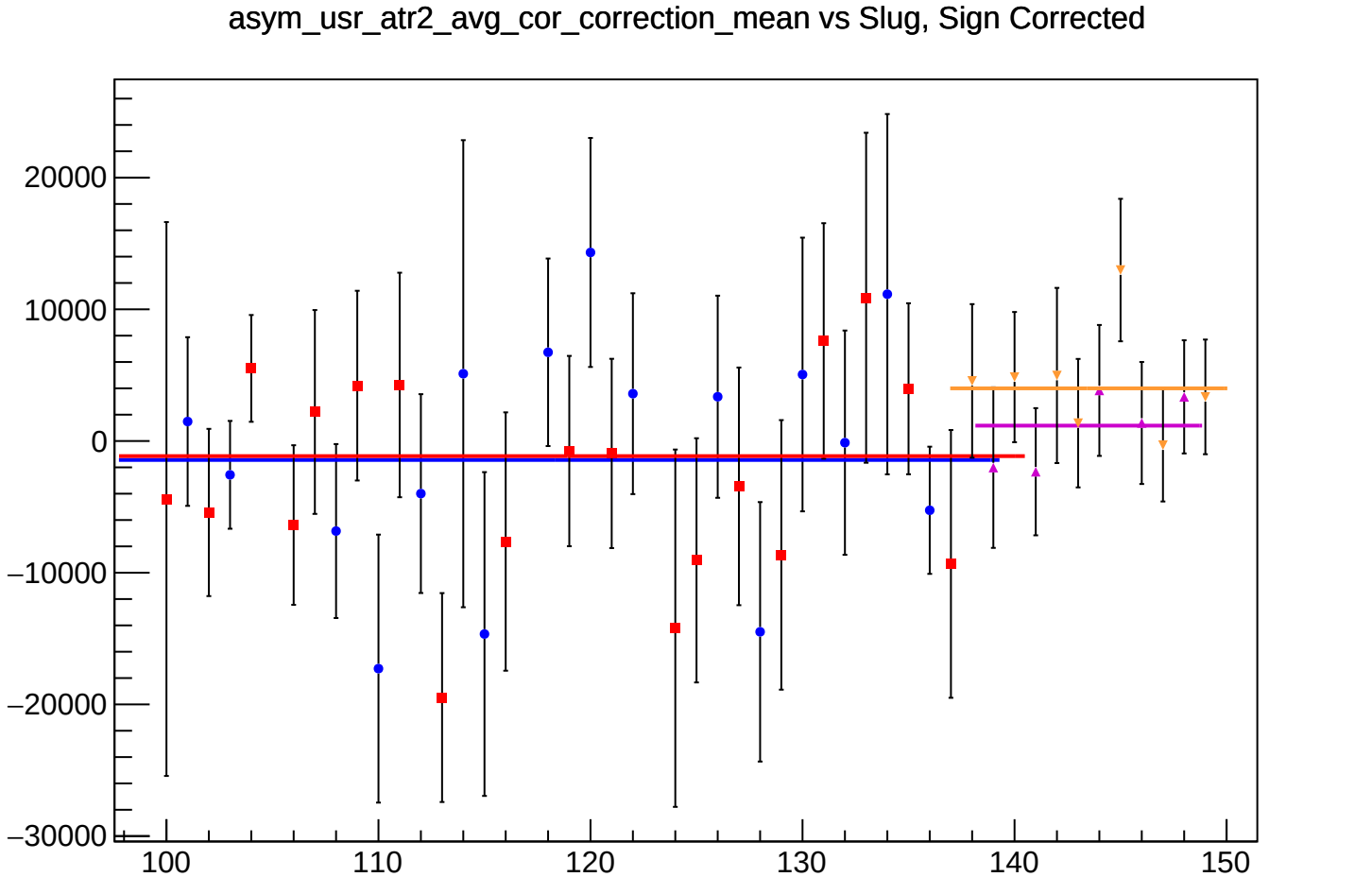
Left: 1594.696+/-0.362 χ^2/NDF: 41475.5/11

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1596.066+/-0.333 χ^2/NDF:333989.1/20

Out: 1585.923+/-0.316 χ^2/NDF:269718.0/25

All: 1590.723+/-0.229 χ^2/NDF: 604194.6/46



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3998.693+/-1901.589 χ^2/NDF:4.1/6

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1167.493+/-2176.822 χ^2/NDF:1.3/4

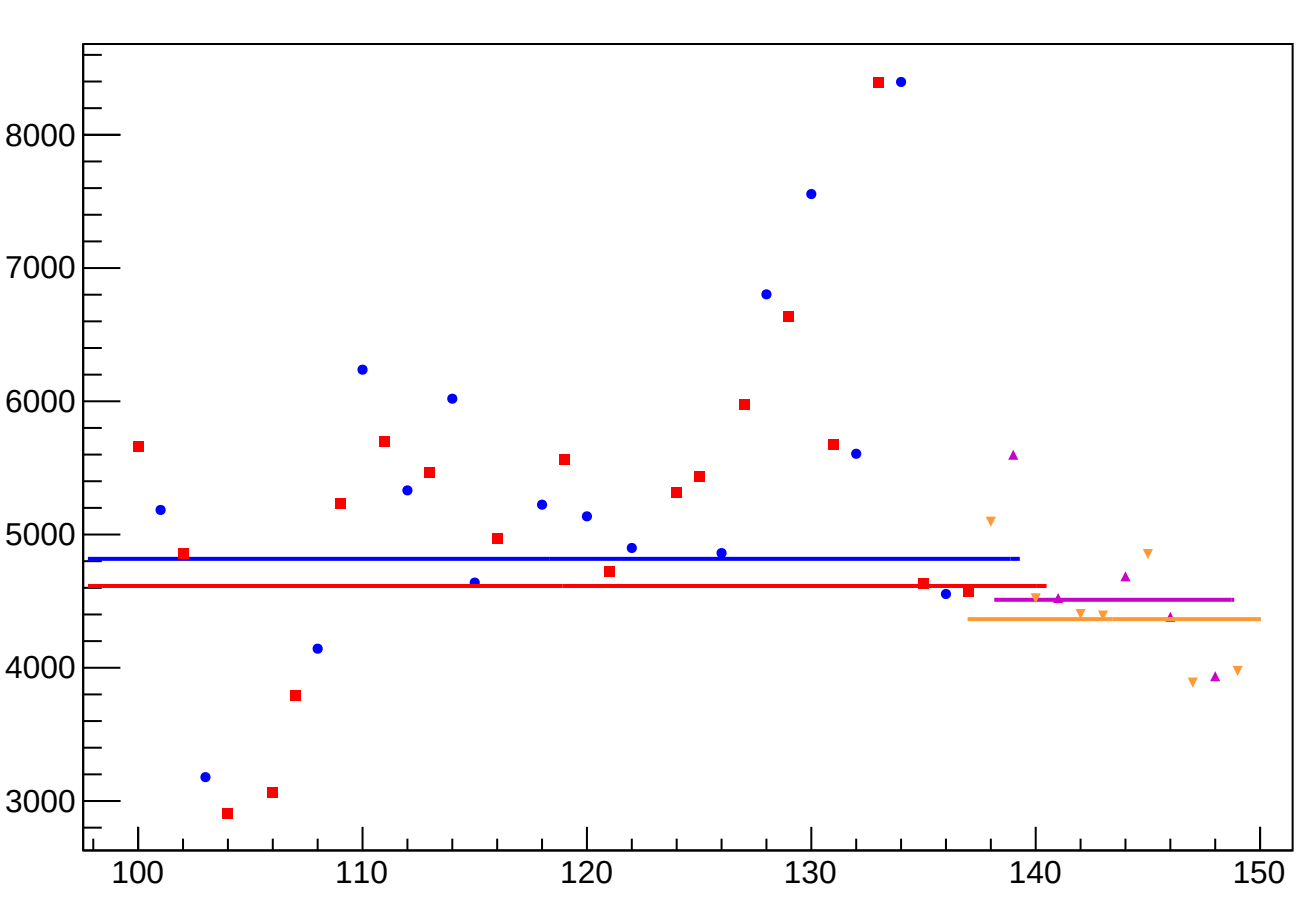
Left: 2773.291+/-1432.111 χ^2/NDF: 6.5/11

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -346.113+/-1408.941 χ^2/NDF:16.0/20

Out: 1235.423+/-1293.790 χ^2/NDF:24.3/25

All: 511.915+/-952.961 χ^2/NDF: 41.1/46



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4365.110+/-1.345 χ^2/NDF:90601.6/6

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

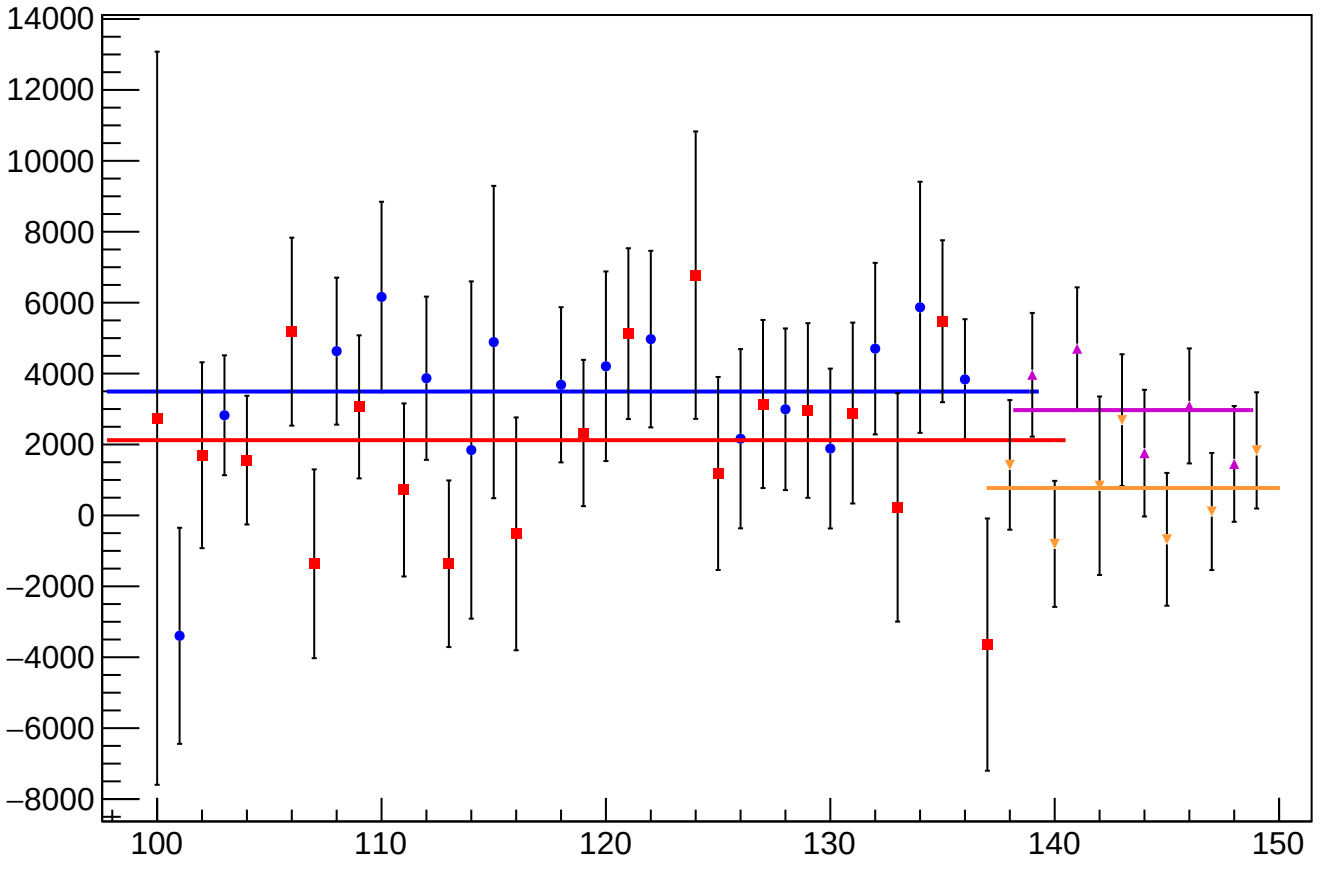
Left: 4427.899+/-1.013 χ^2/NDF: 199154.4/11

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4688.743+/-0.996 χ^2/NDF:921908.0/20

Out: 4498.707+/-0.915 χ^2/NDF:1086939.5/25

All: 4585.643+/-0.674 χ^2/NDF: 2028587.2/46



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 773.312+/-692.140 χ^2/NDF:3.2/6

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2970.026+/-760.103 χ^2/NDF:2.7/4

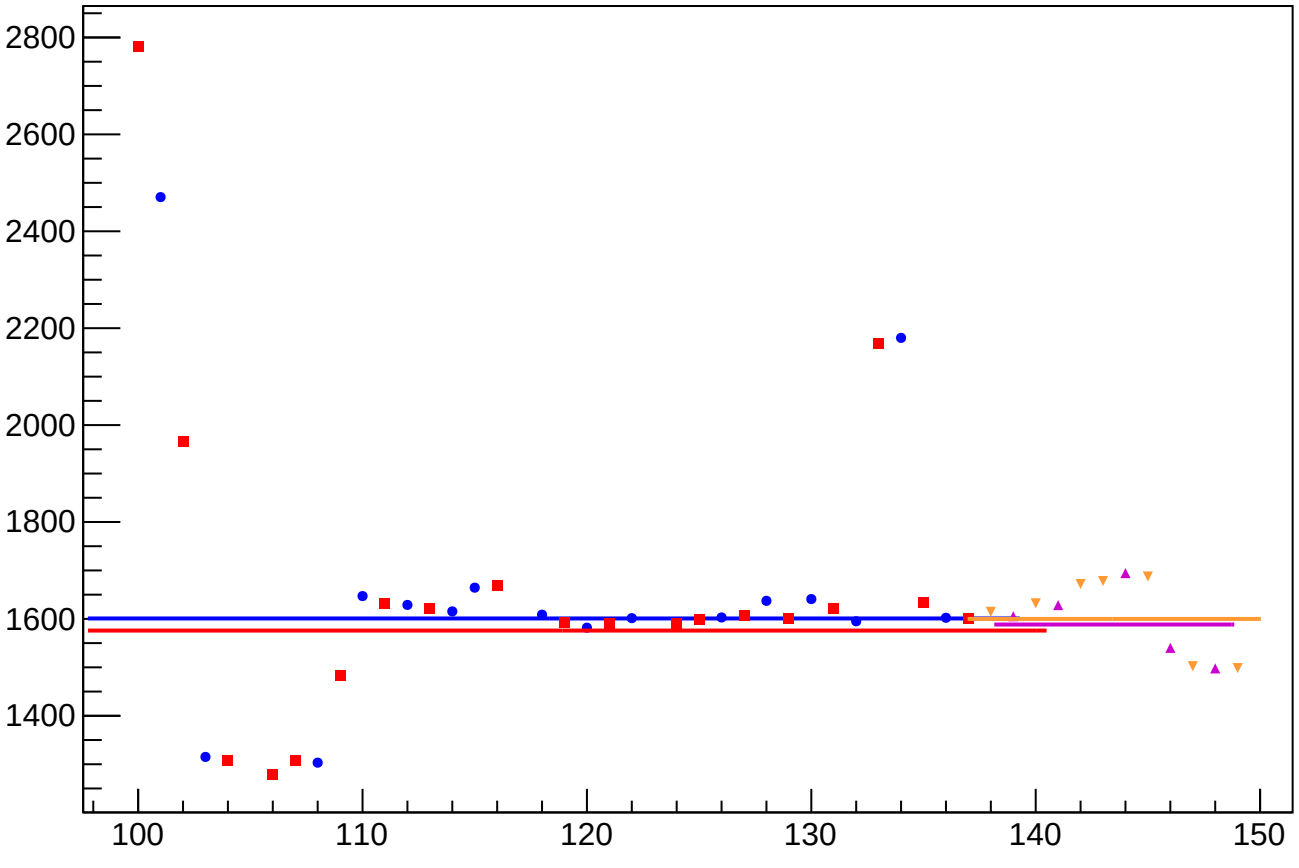
Left: 1769.091+/-511.761 χ^2/NDF: 10.4/11

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3292.388+/-471.527 χ^2/NDF:11.8/20

Out: 1556.907+/-447.954 χ^2/NDF:20.5/25

All: 2380.184+/-324.765 χ^2/NDF: 39.3/46



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1599.939+/-0.489 χ^2/NDF:24979.5/6

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: 1594.696+/-0.362 χ^2/NDF: 41475.5/11

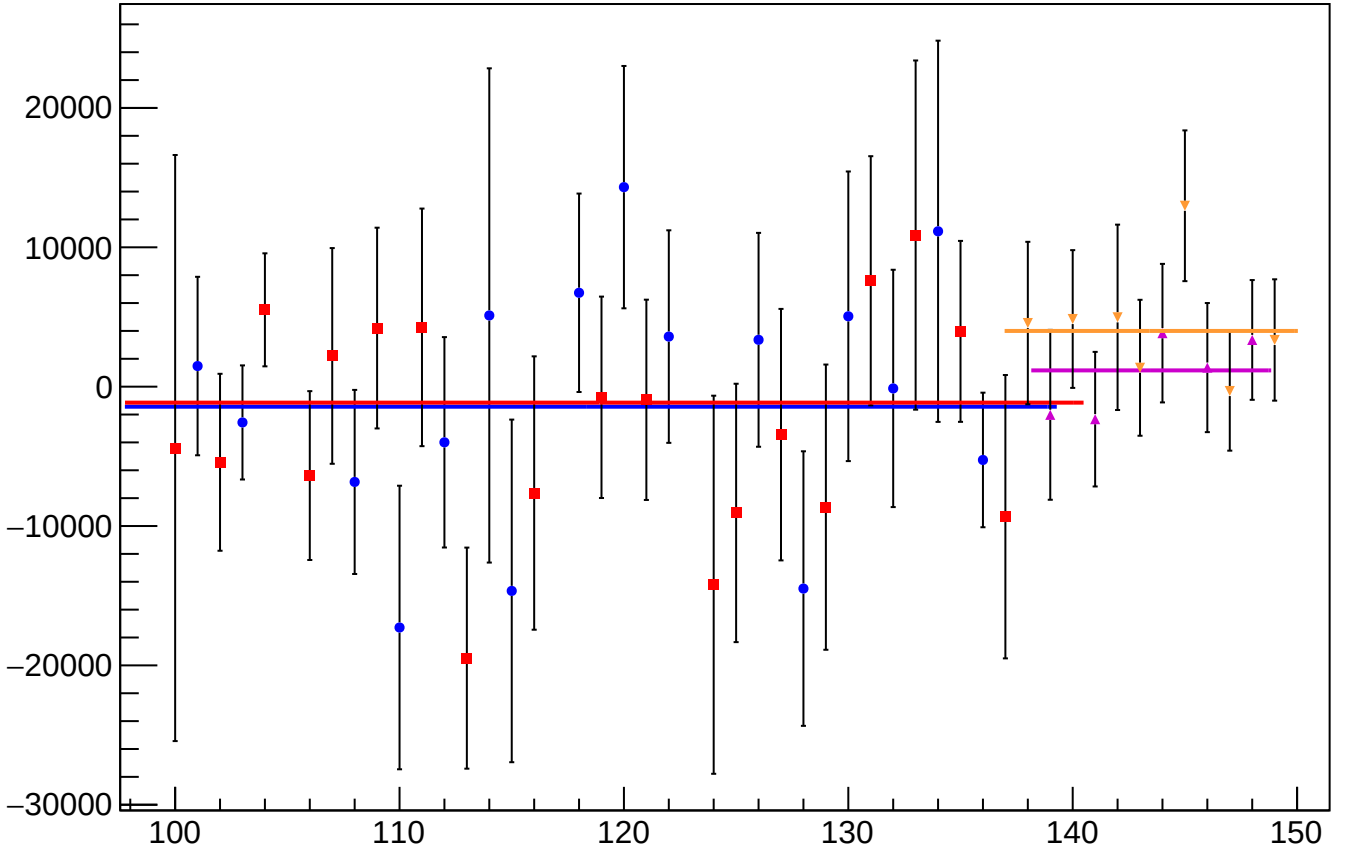
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1596.066+/-0.333 χ^2/NDF:333989.1/20

Out: 1585.923+/-0.316 χ^2/NDF:269718.0/25

All: 1590.723+/-0.229 χ^2/NDF: 604194.6/46

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3998.693+/-1901.589 χ^2/NDF:4.1/6

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1167.493+/-2176.822 χ^2/NDF:1.3/4

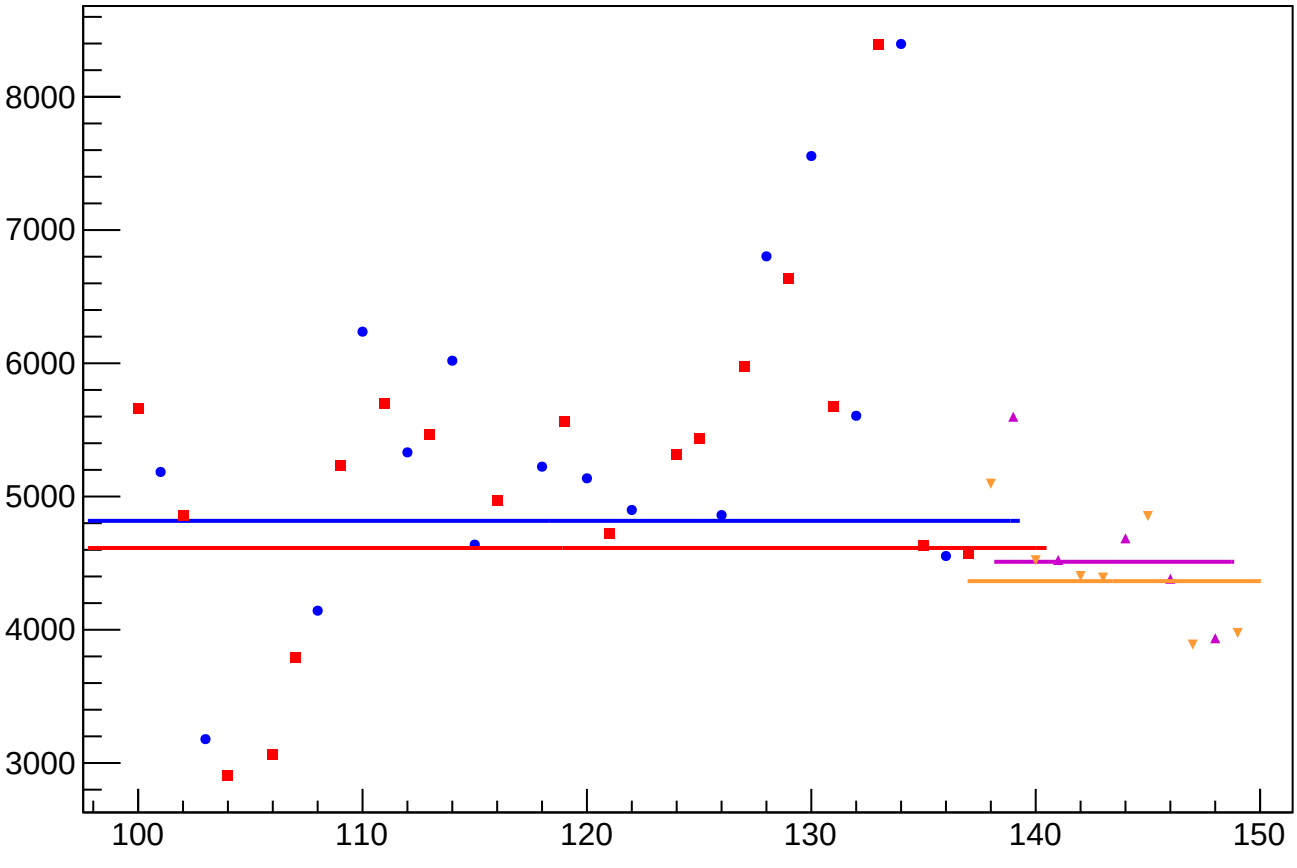
Left: 2773.291+/-1432.111 χ^2/NDF: 6.5/11

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -346.113+/-1408.941 χ^2/NDF:16.0/20

Out: 1235.423+/-1293.790 χ^2/NDF:24.3/25

All: 511.915+/-952.961 χ^2/NDF: 41.1/46



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4365.110+/-1.345 χ^2/NDF:90601.6/6

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4510.181+/-1.539 χ^2/NDF:103514.8/4

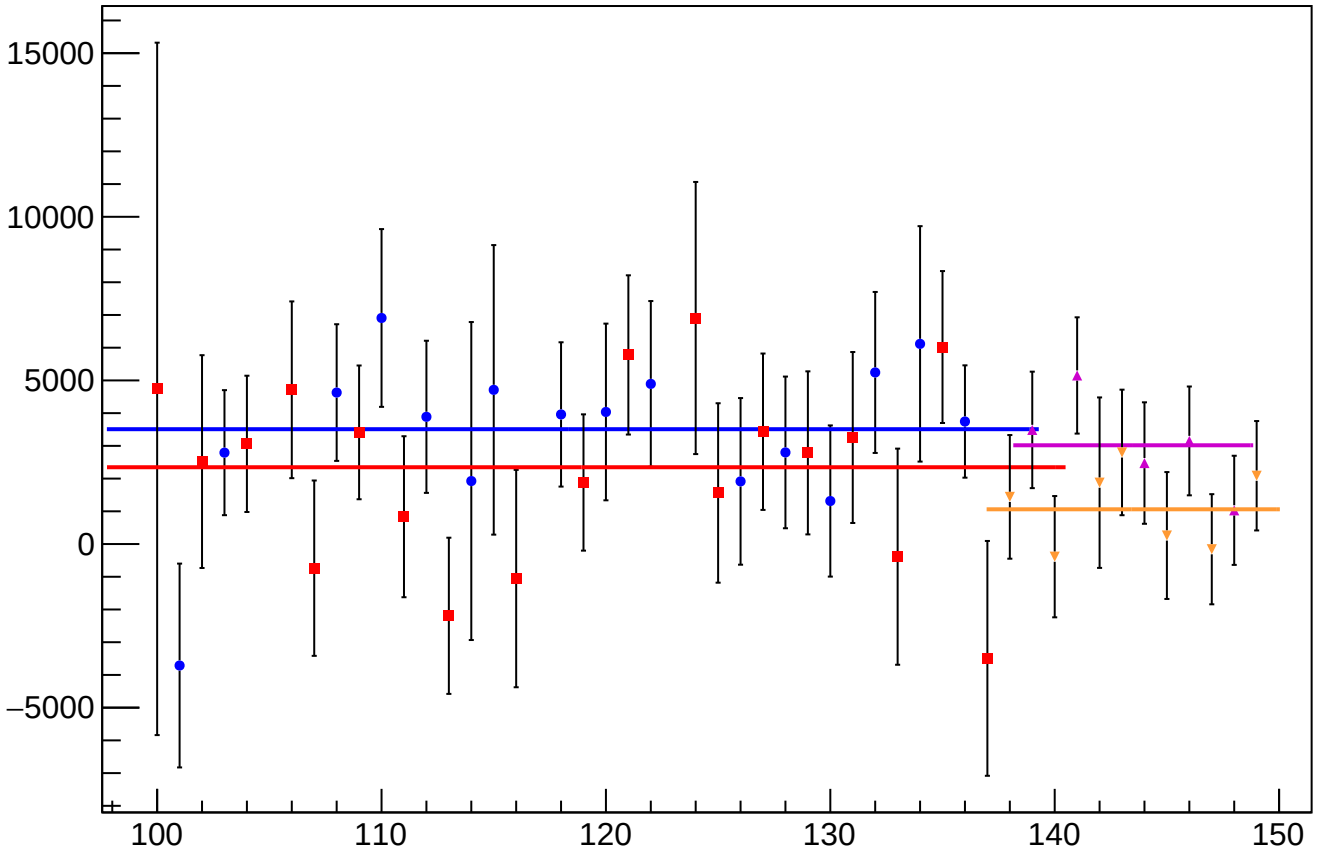
Left: 4427.899+/-1.013 χ^2/NDF: 199154.4/11

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4688.743+/-0.996 χ^2/NDF:921908.0/20

Out: 4498.707+/-0.915 χ^2/NDF:1086939.5/25

All: 4585.643+/-0.674 χ^2/NDF: 2028587.2/46



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1061.551+/-712.929 χ^2/NDF:2.6/6

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3017.961+/-779.909 χ^2/NDF:3.0/4

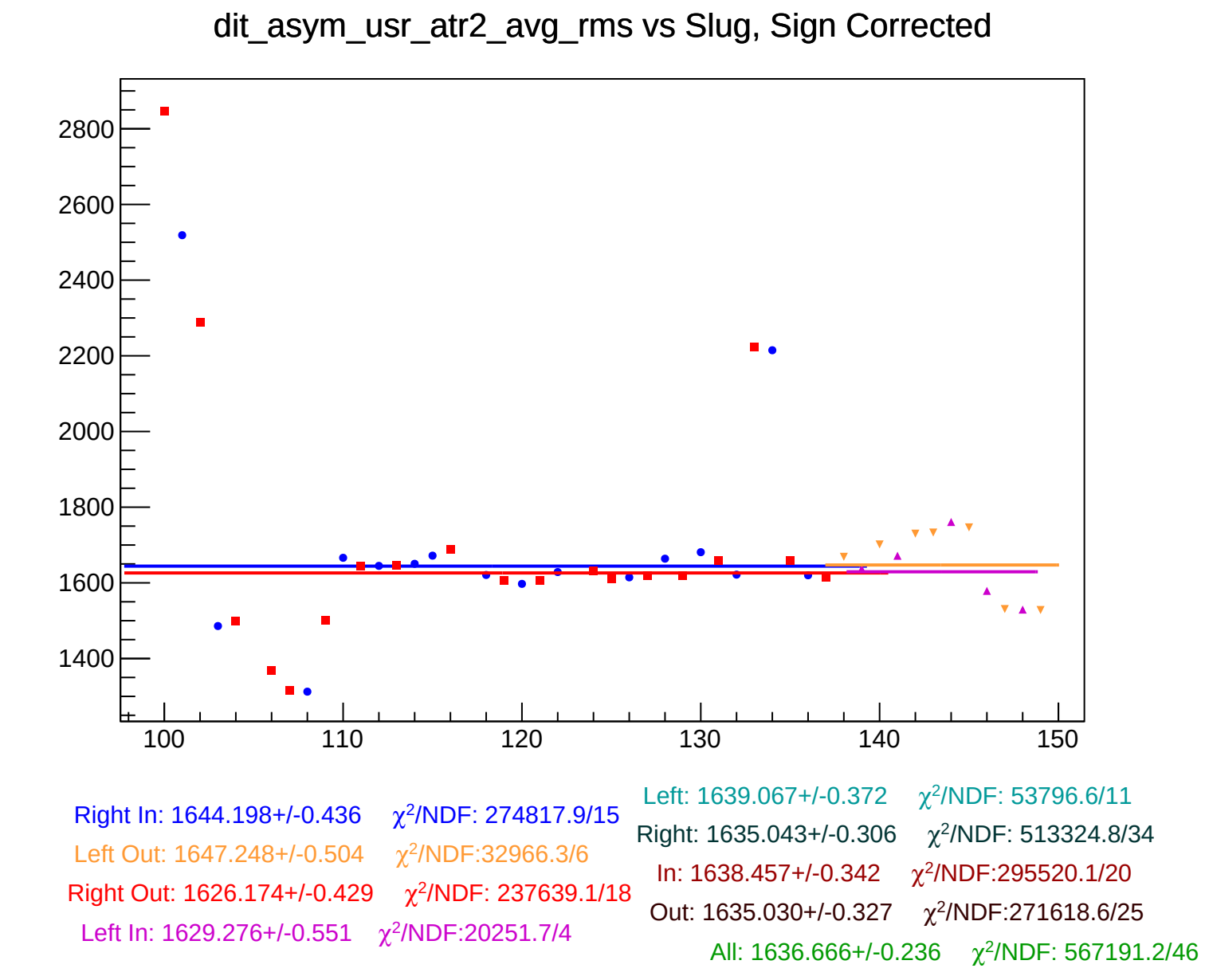
Left: 1952.152+/-526.206 χ^2/NDF: 9.1/11

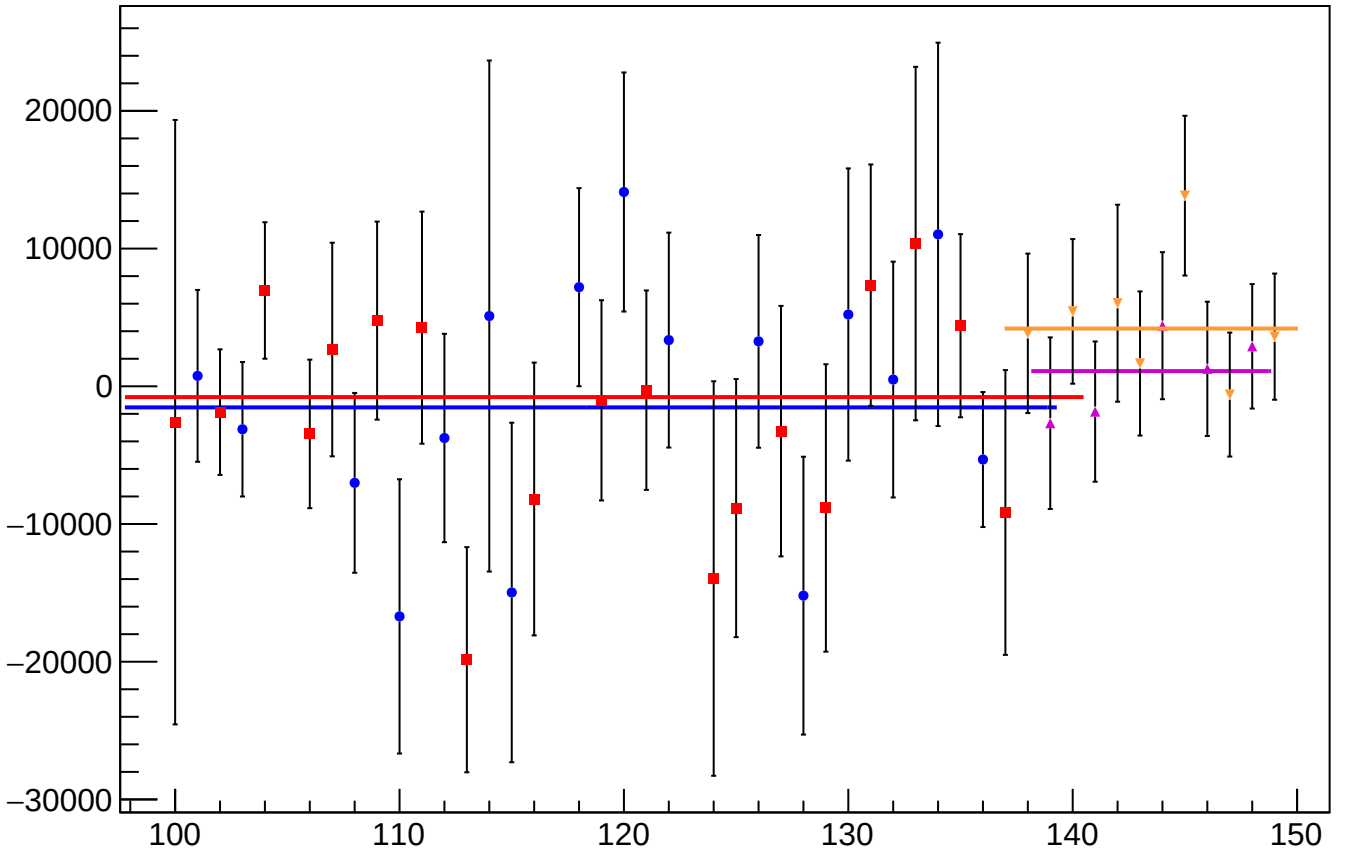
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3320.393+/-483.753 χ^2/NDF:13.7/20

Out: 1806.177+/-462.395 χ^2/NDF:21.6/25

All: 2529.122+/-334.258 χ^2/NDF: 40.4/46


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: 274817.9/15
Left Out: 1647.248+/-0.504 χ²/NDF:32966.3/6
Right Out: 1626.174+/-0.429 χ²/NDF: 237639.1/18
Left In: 1629.276+/-0.551 χ²/NDF:20251.7/4
Left: 1639.067+/-0.372 χ²/NDF: 53796.6/11
Right: 1635.043+/-0.306 χ²/NDF: 513324.8/34
In: 1638.457+/-0.342 χ²/NDF:295520.1/20
Out: 1635.030+/-0.327 χ²/NDF:271618.6/25
All: 1636.666+/-0.236 χ²/NDF: 567191.2/46



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4195.072+/-2004.381 χ^2/NDF:4.3/6

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1102.981+/-2291.584 χ^2/NDF:1.2/4

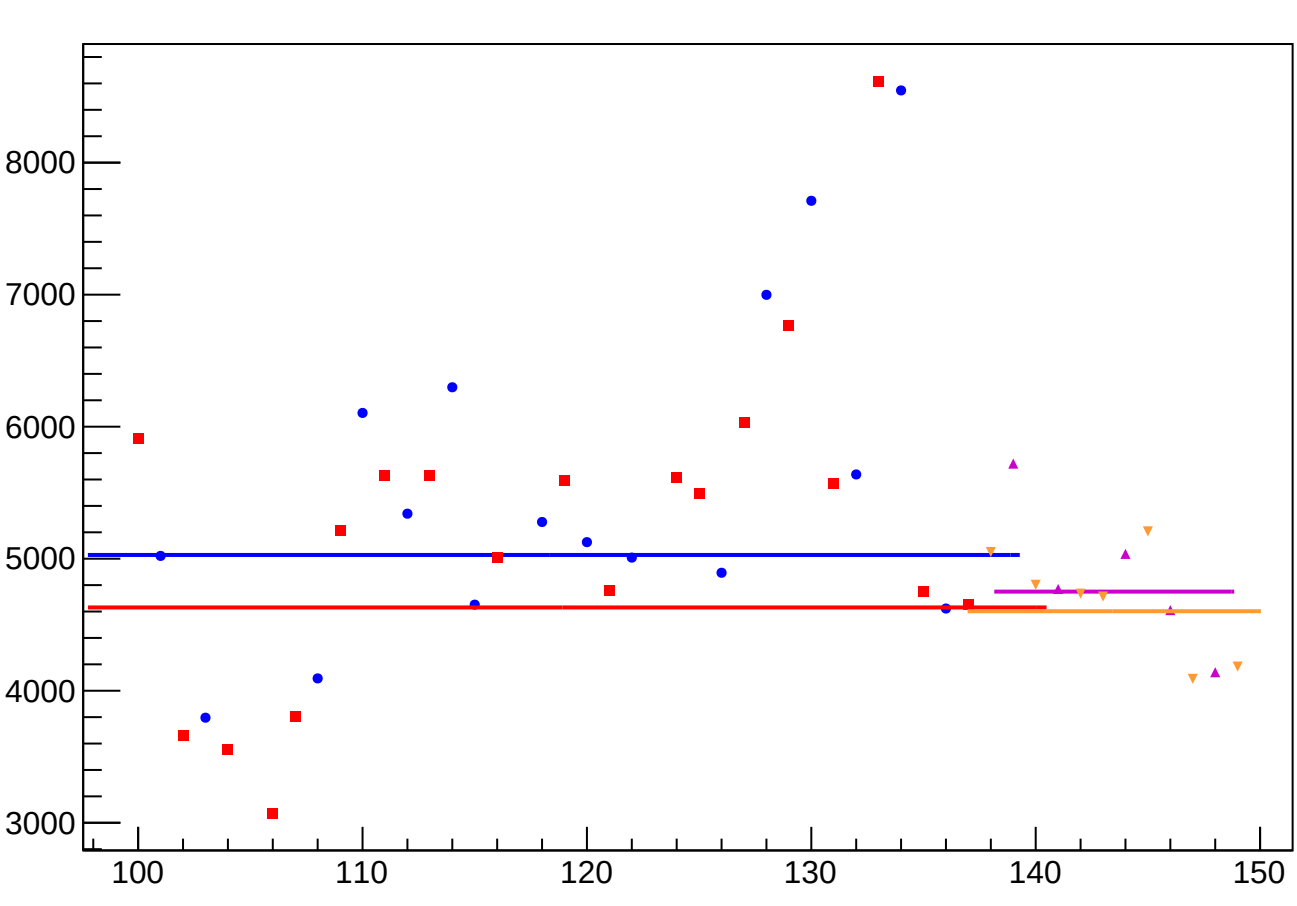
Left: 2854.826+/-1508.697 χ^2/NDF: 6.6/11

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -449.390+/-1468.913 χ^2/NDF:15.9/20

Out: 1367.580+/-1317.645 χ^2/NDF:22.8/25

All: 557.440+/-980.850 χ^2/NDF: 39.6/46



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4602.270+/-1.417 χ^2/NDF:80868.2/6

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4750.732+/-1.620 χ^2/NDF:92345.7/4

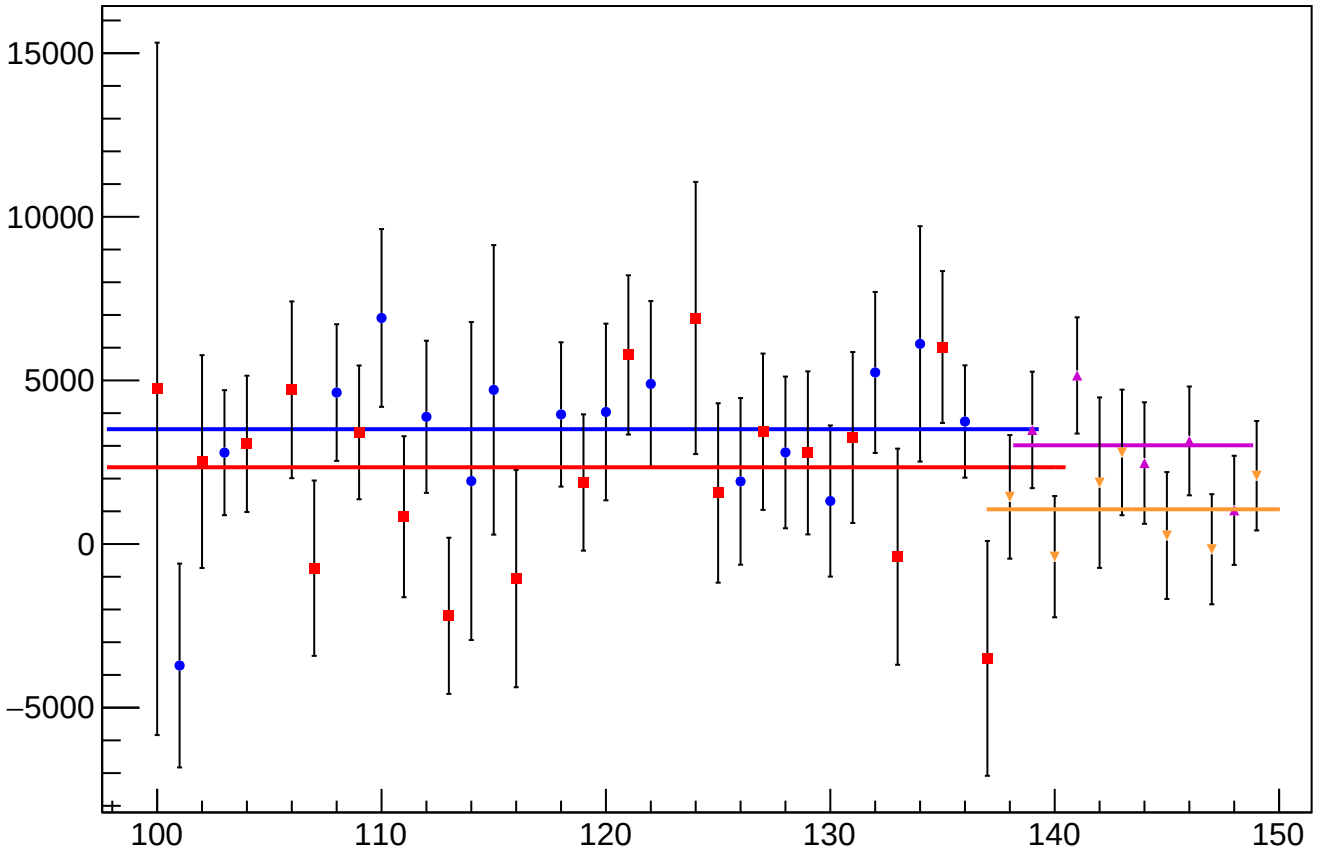
Left: 4666.620+/-1.067 χ^2/NDF: 177969.8/11

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4914.339+/-1.039 χ^2/NDF:675119.8/20

Out: 4618.528+/-0.932 χ^2/NDF:944614.9/25

All: 4750.423+/-0.694 χ^2/NDF: 1664679.1/46



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1061.553+/-712.929 χ^2/NDF:2.6/6

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3017.955+/-779.910 χ^2/NDF:3.0/4

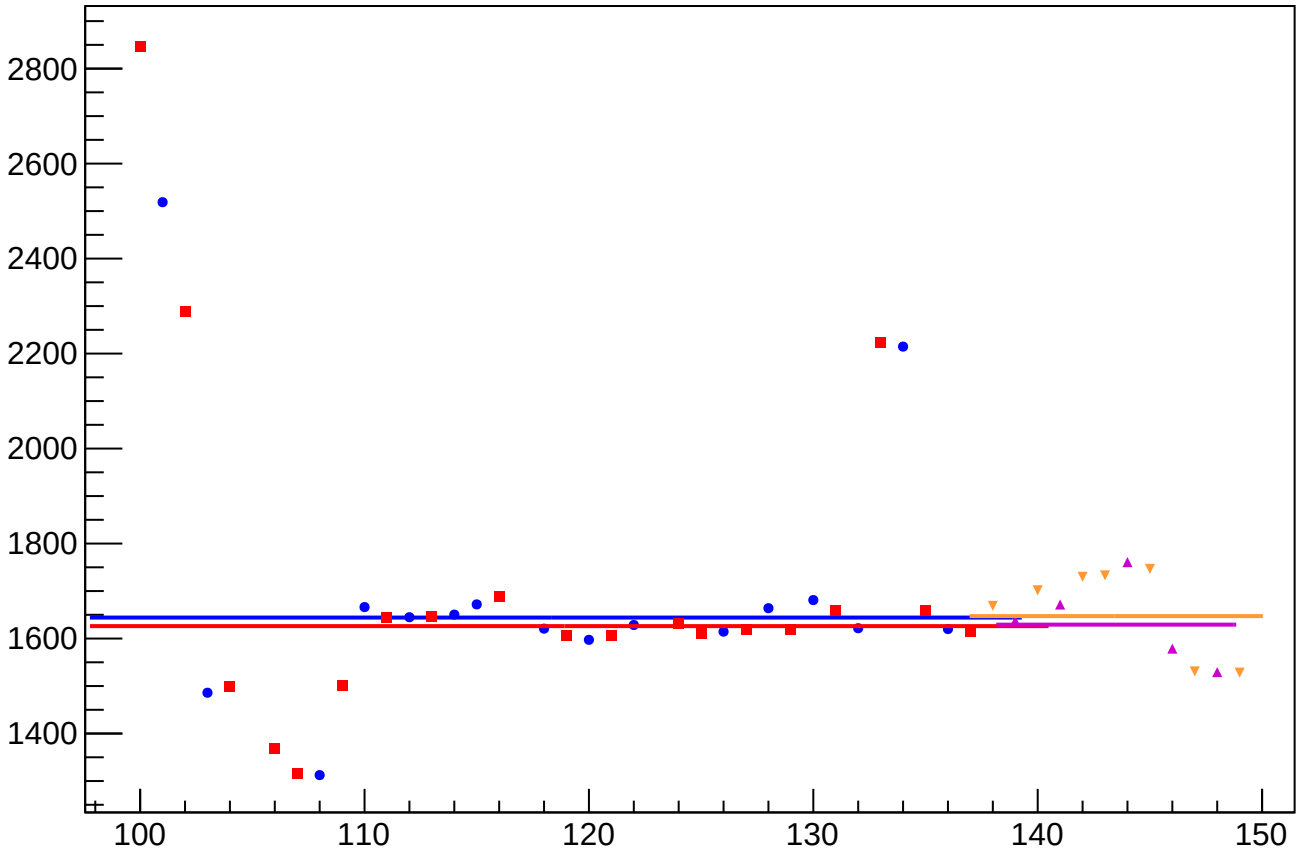
Left: 1952.150+/-526.206 χ^2/NDF: 9.1/11

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3320.393+/-483.753 χ^2/NDF:13.7/20

Out: 1806.182+/-462.395 χ^2/NDF:21.6/25

All: 2529.125+/-334.258 χ^2/NDF: 40.4/46



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1647.249+/-0.504 χ^2/NDF:32966.4/6

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1629.277+/-0.551 χ^2/NDF:20251.7/4

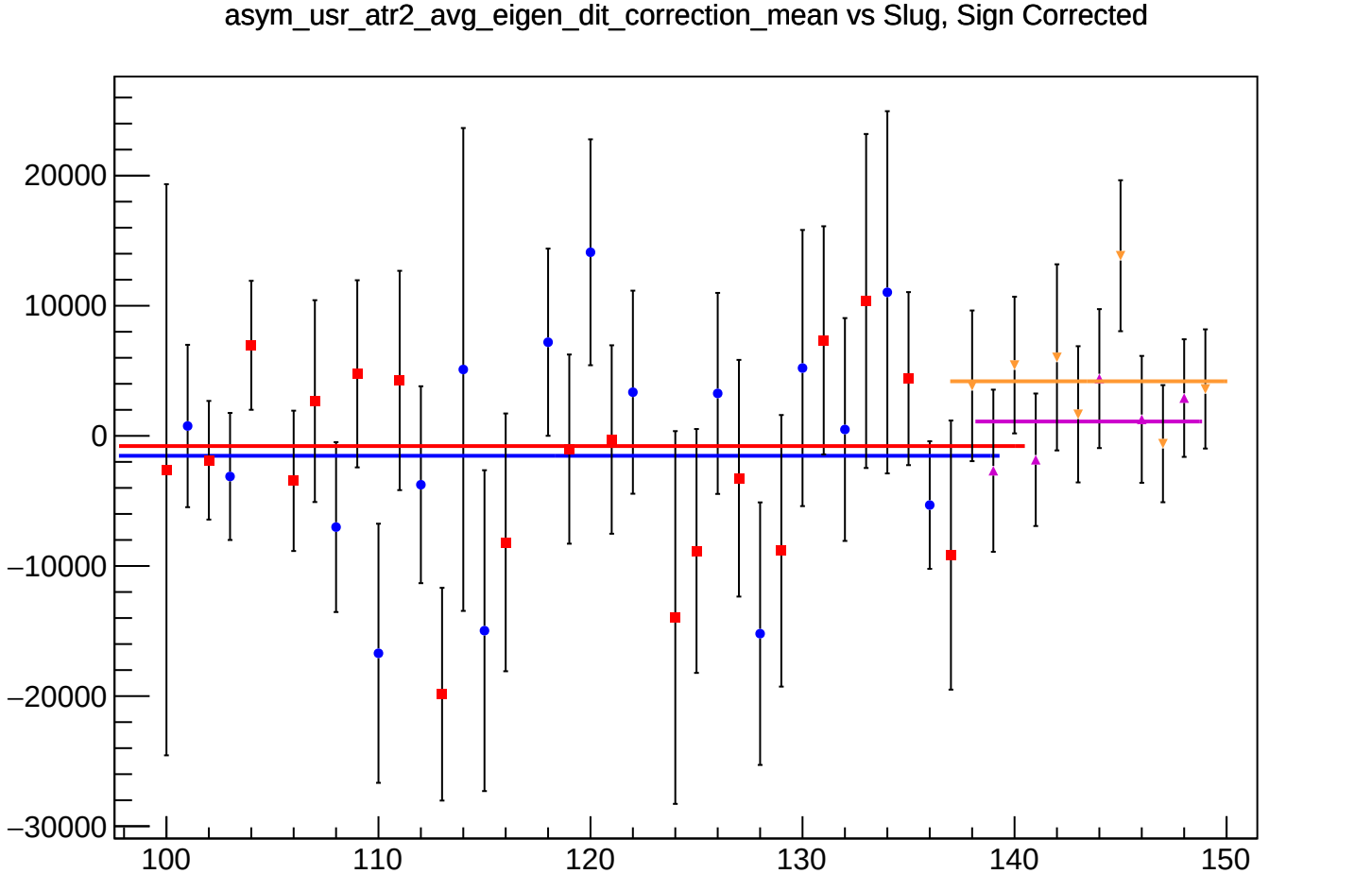
Left: 1639.068+/-0.372 χ^2/NDF: 53796.6/11

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1638.457+/-0.342 χ^2/NDF:295520.1/20

Out: 1635.031+/-0.327 χ^2/NDF:271618.4/25

All: 1636.666+/-0.236 χ^2/NDF: 567191.0/46



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 4195.075+/-2004.384 χ^2/NDF:4.3/6

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1102.974+/-2291.588 χ^2/NDF:1.2/4

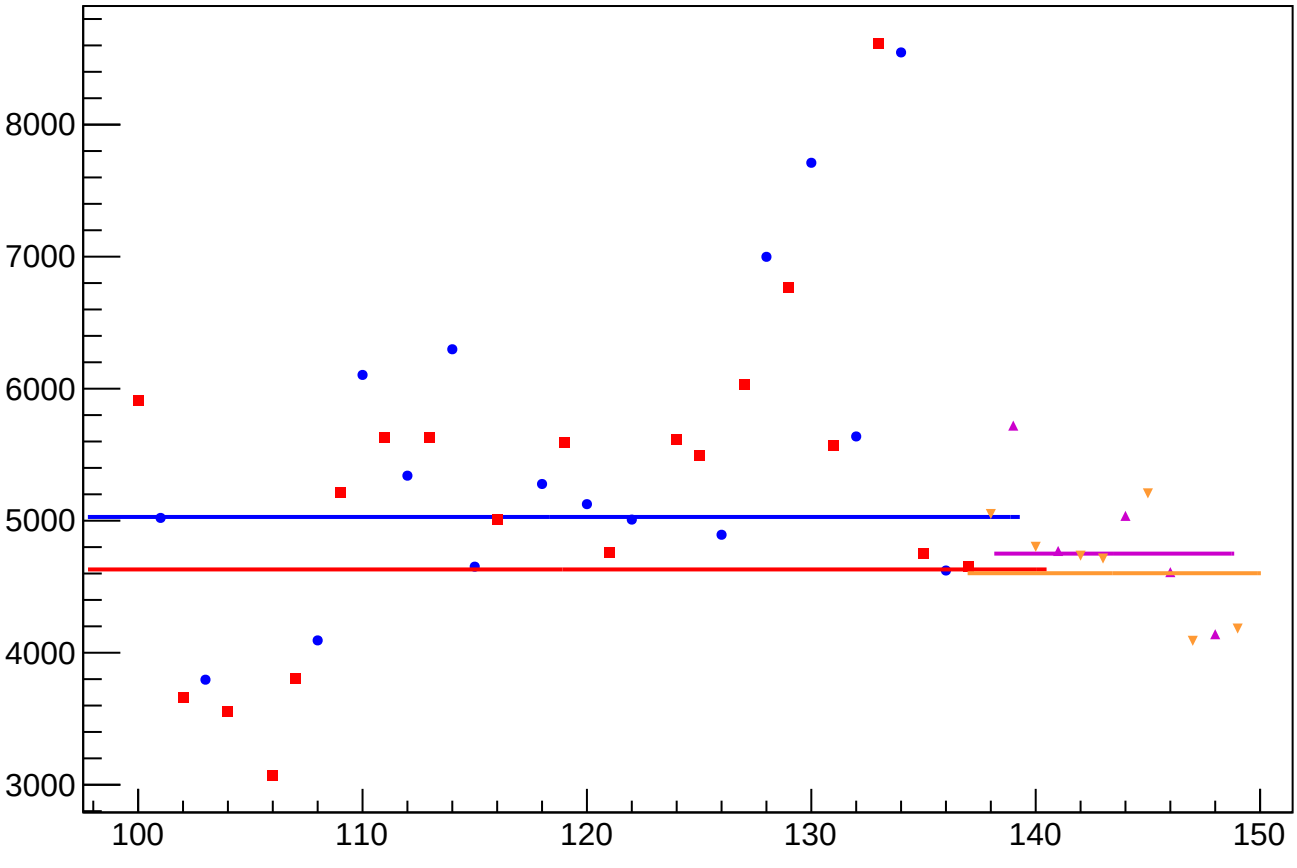
Left: 2854.824+/-1508.699 χ^2/NDF: 6.6/11

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -449.387+/-1468.913 χ^2/NDF:15.9/20

Out: 1367.572+/-1317.644 χ^2/NDF:22.8/25

All: 557.437+/-980.849 χ^2/NDF: 39.6/46



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4602.277+/-1.417 χ^2/NDF:80868.4/6

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4750.739+/-1.620 χ^2/NDF:92345.9/4

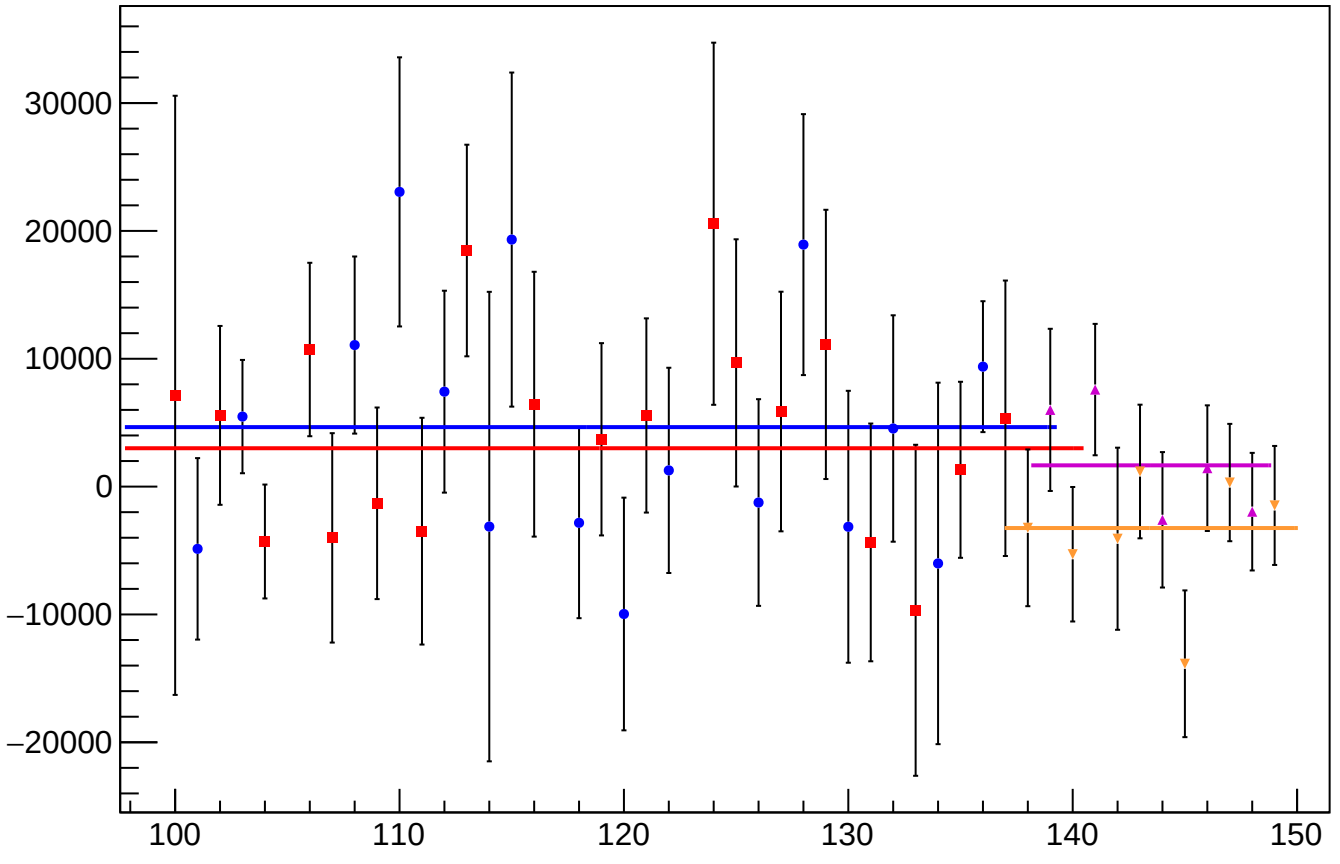
Left: 4666.627+/-1.067 χ^2/NDF: 177970.2/11

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4914.339+/-1.039 χ^2/NDF:675112.1/20

Out: 4618.528+/-0.932 χ^2/NDF:944608.9/25

All: 4750.422+/-0.694 χ^2/NDF: 1664665.3/46



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -3240.975+/-2028.373 χ^2/NDF:5.0/6

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1662.975+/-2312.129 χ^2/NDF:3.1/4

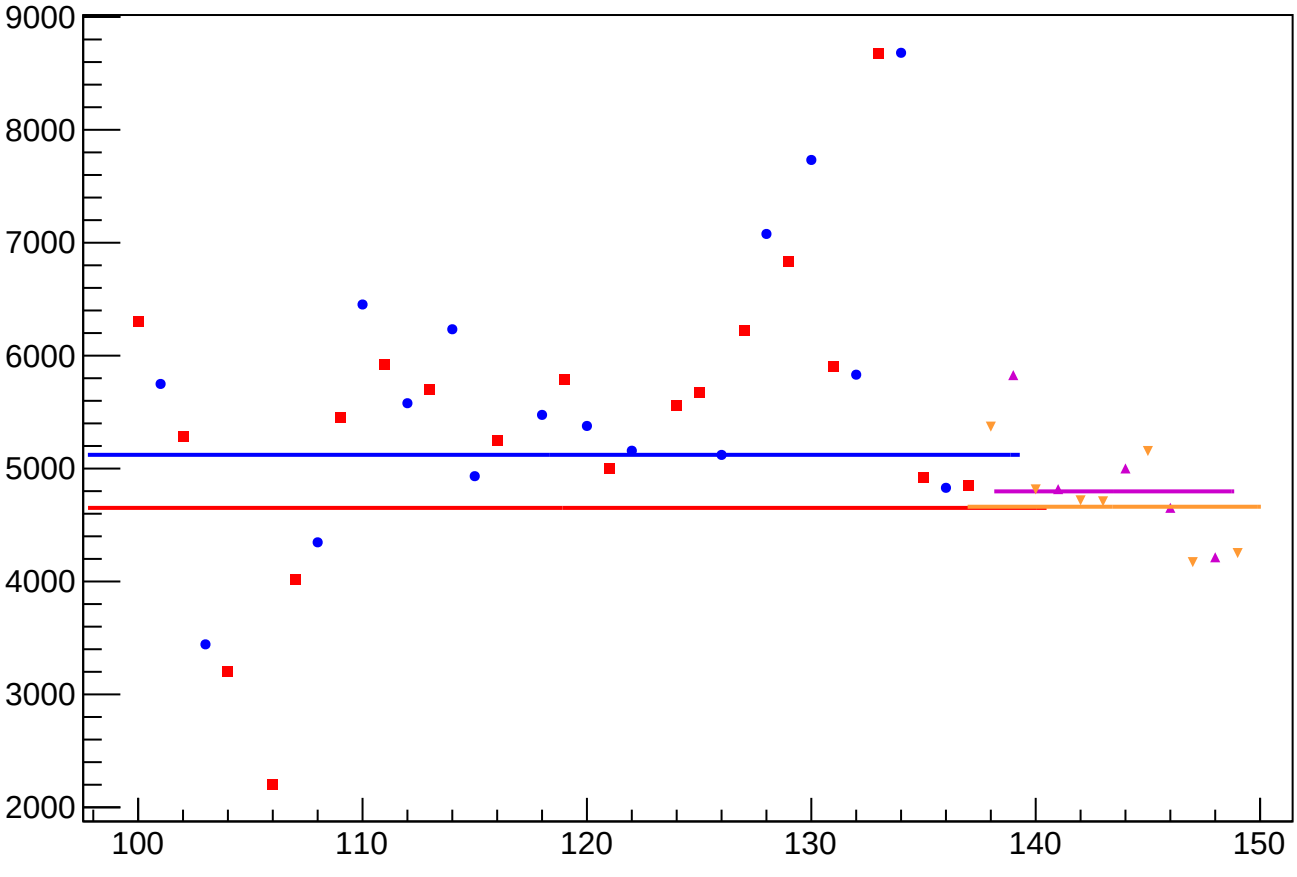
Left: -1108.226+/-1524.786 χ^2/NDF: 10.7/11

Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3403.973+/-1494.426 χ^2/NDF:19.6/20

Out: 111.971+/-1379.946 χ^2/NDF:24.0/25

All: 1627.066+/-1013.828 χ^2/NDF: 46.2/46



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4661.993+/-1.434 χ^2/NDF:81959.6/6

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: 4721.124+/-1.078 χ^2/NDF: 175496.7/11

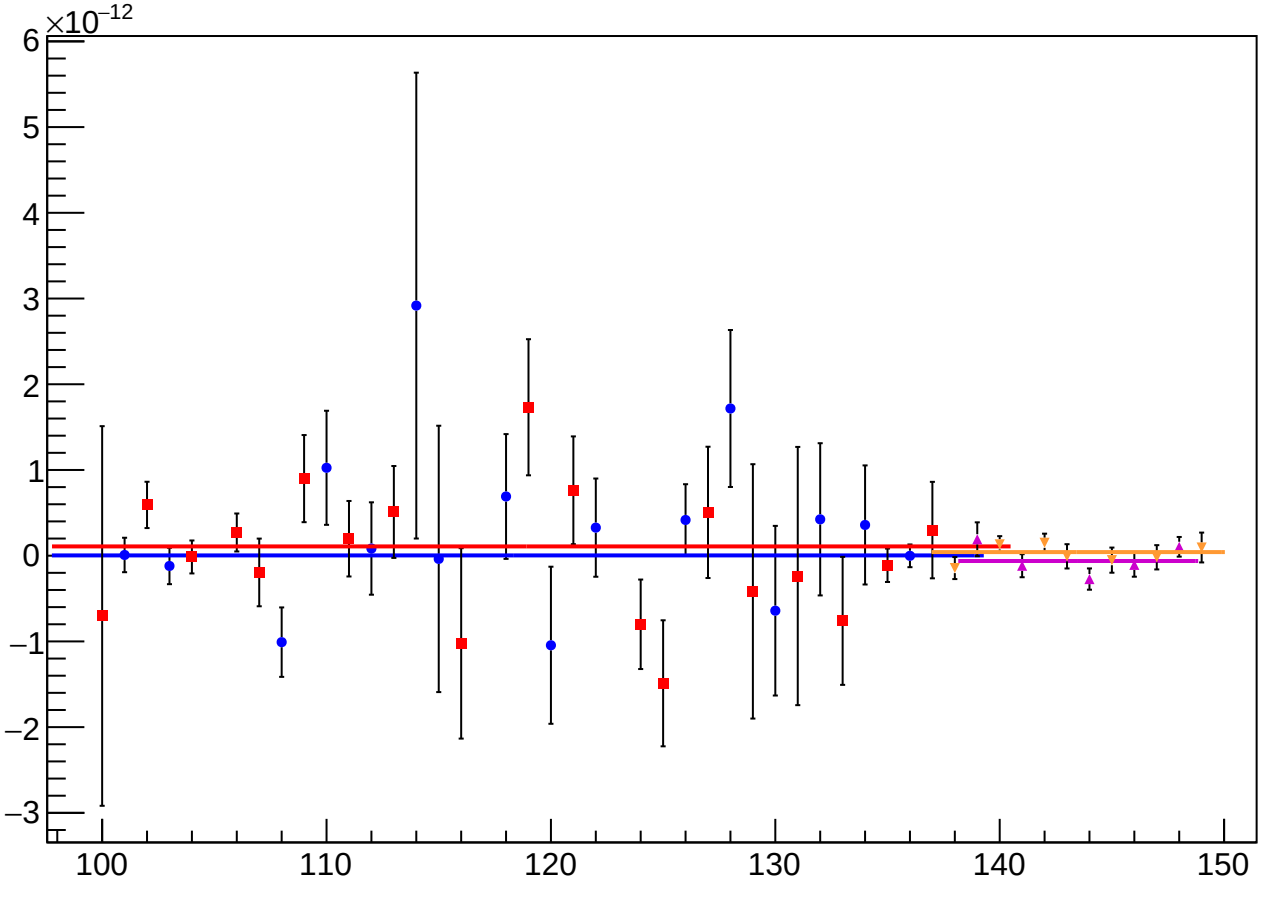
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 4986.421+/-1.057 χ^2/NDF:832821.3/20

Out: 4656.280+/-0.955 χ^2/NDF:1426856.1/25

All: 4804.725+/-0.709 χ^2/NDF: 2313396.1/46

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:4.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/4

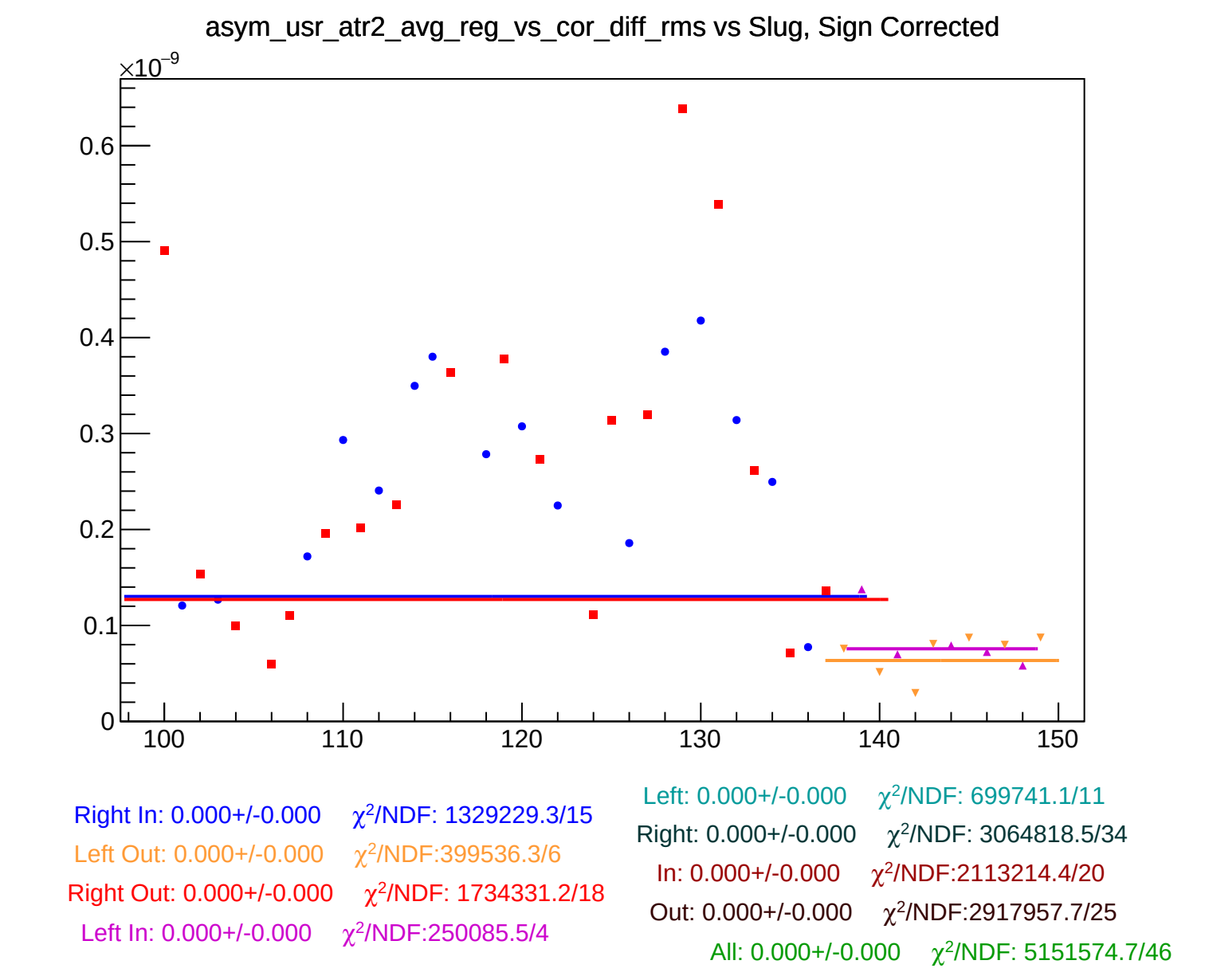
Left: 0.000+/-0.000 χ^2/NDF: 13.6/11

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

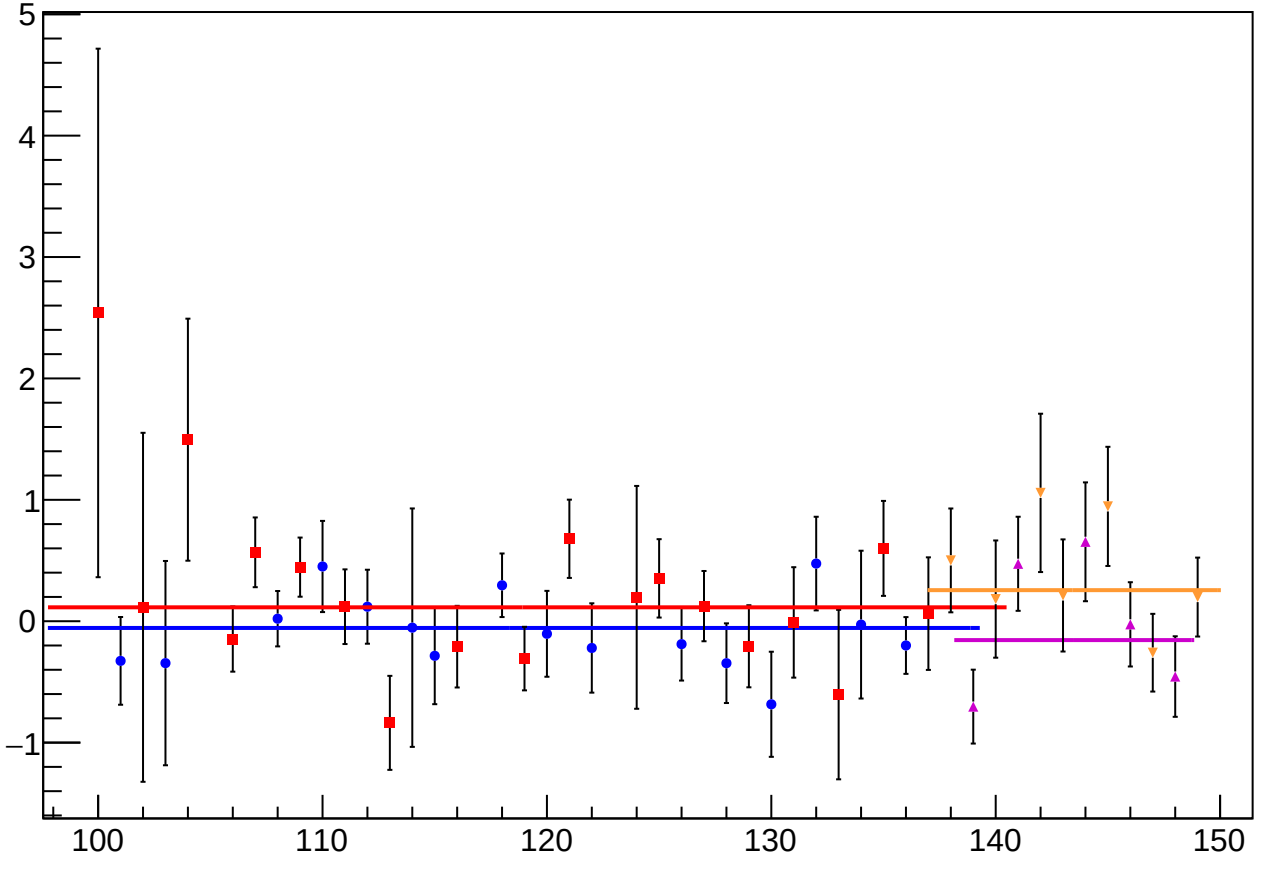
In: -0.000+/-0.000 χ^2/NDF:25.3/20

Out: 0.000+/-0.000 χ^2/NDF:30.4/25

All: 0.000+/-0.000 χ^2/NDF: 58.0/46


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:399536.3/6
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: 699741.1/11
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:2917957.7/25
All: 0.000+/-0.000 χ²/NDF: 5151574.7/46

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.256+/-0.158 χ^2/NDF:6.5/6

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

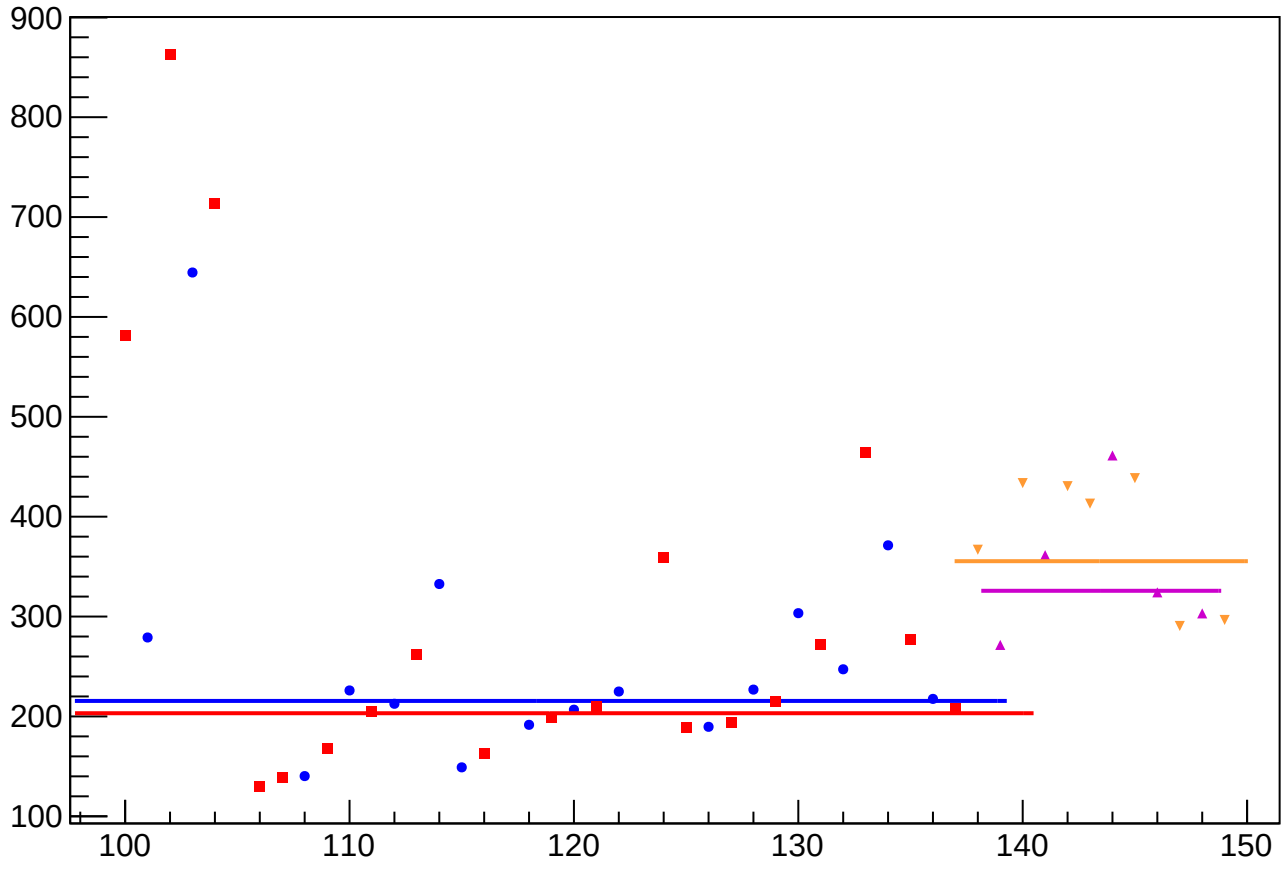
Left: 0.053+/-0.112 χ^2/NDF: 19.4/11

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.145+/-0.074 χ^2/NDF:32.3/25

All: 0.036+/-0.053 χ^2/NDF: 57.3/46



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 355.440+/-0.112 χ^2/NDF:316590.6/6

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: 340.832+/-0.079 χ^2/NDF: 594386.1/11

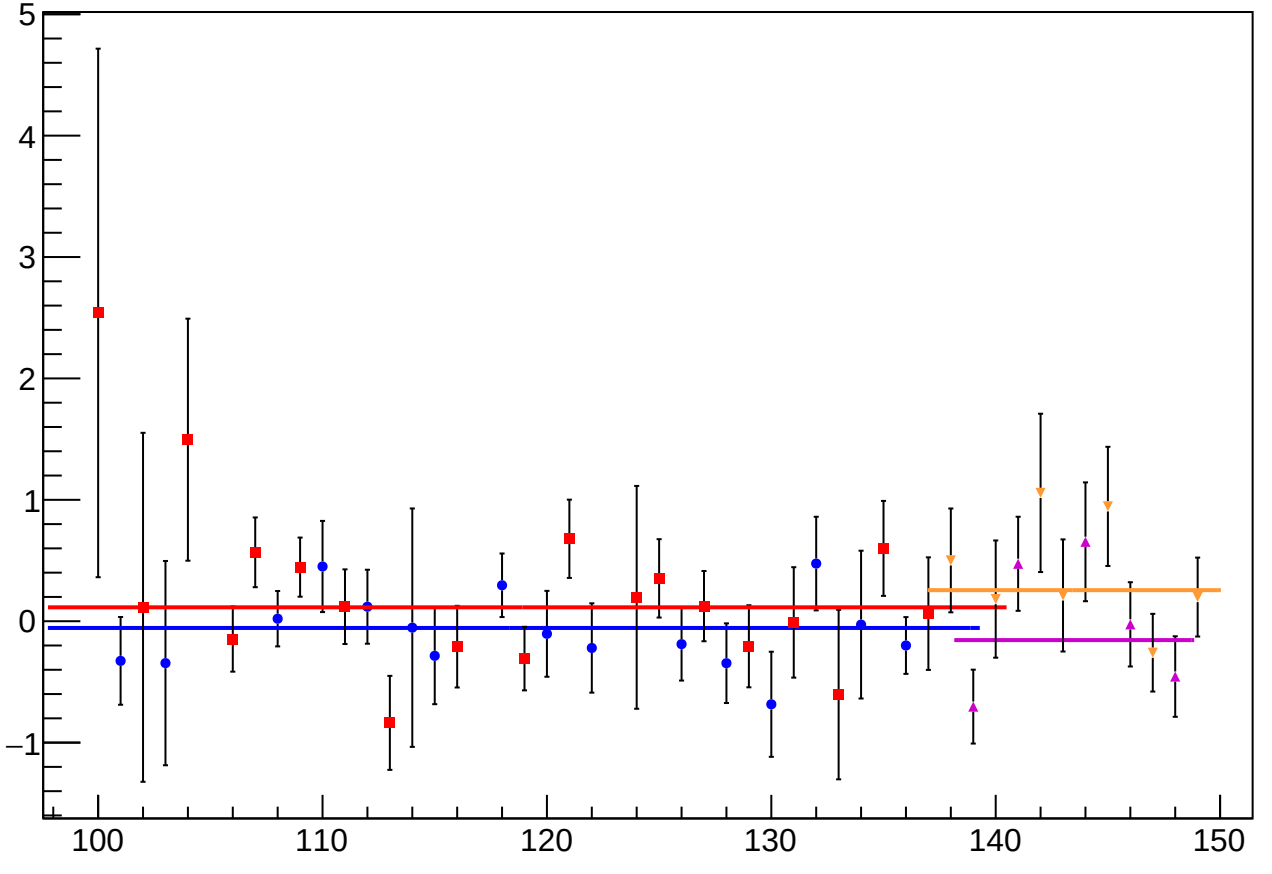
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 239.980+/-0.053 χ^2/NDF:2130233.8/20

Out: 236.336+/-0.052 χ^2/NDF:3608725.0/25

All: 238.114+/-0.037 χ^2/NDF: 5741350.2/46

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: 0.256+/-0.158 χ^2/NDF:6.5/6

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

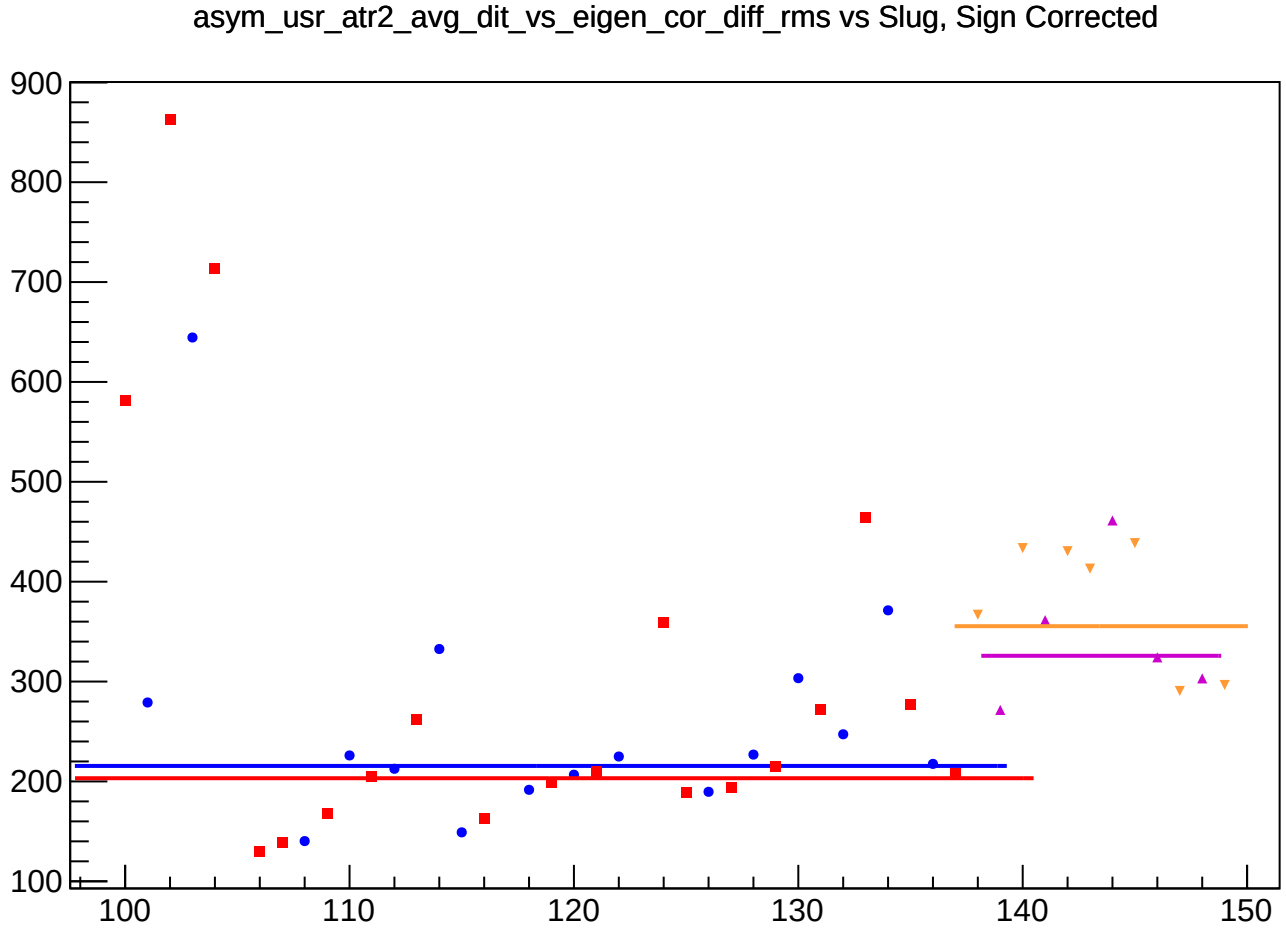
Left: 0.053+/-0.112 χ^2/NDF: 19.4/11

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.145+/-0.074 χ^2/NDF:32.3/25

All: 0.036+/-0.053 χ^2/NDF: 57.3/46



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 355.440+/-0.112 χ^2/NDF:316590.6/6

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 325.794+/-0.113 χ^2/NDF:243004.2/4

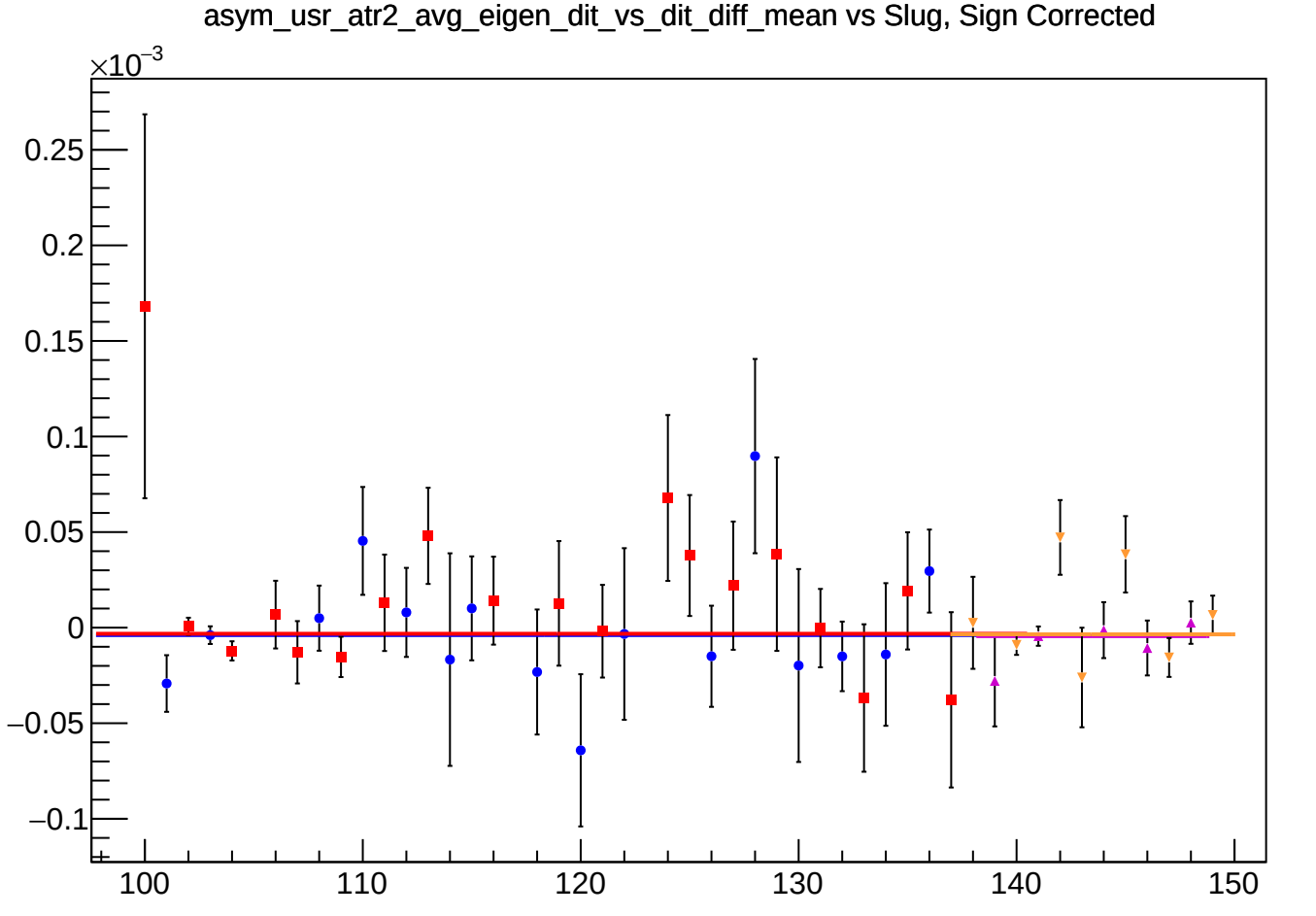
Left: 340.832+/-0.079 χ^2/NDF: 594386.1/11

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

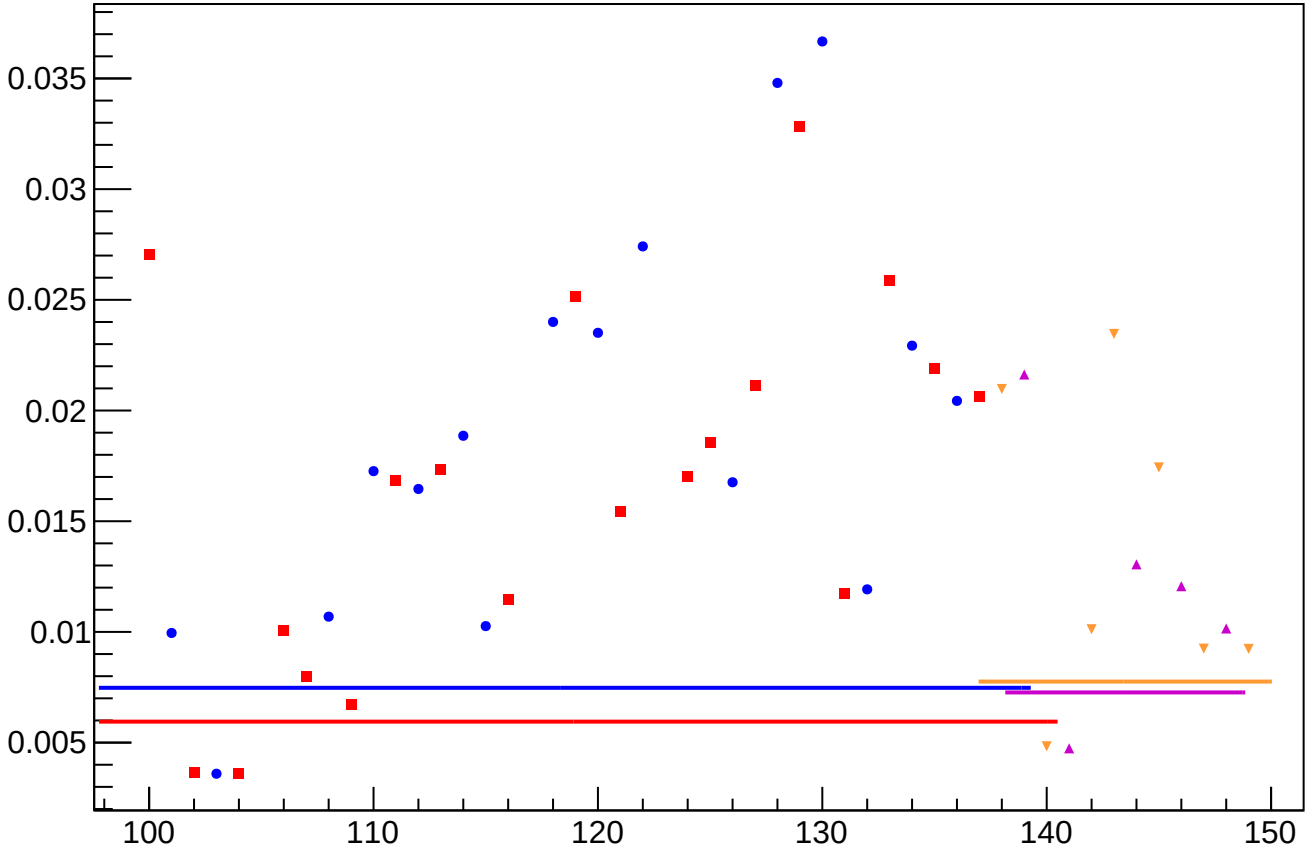
In: 239.980+/-0.053 χ^2/NDF:2130233.8/20

Out: 236.336+/-0.052 χ^2/NDF:3608725.0/25

All: 238.114+/-0.037 χ^2/NDF: 5741350.2/46


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:15.4/6
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: 17.1/11
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:37.1/25
All: -0.000+/-0.000 χ²/NDF: 54.7/46

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2529189.1/6

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: 0.008+/-0.000 χ^2/NDF: 4444221.9/11

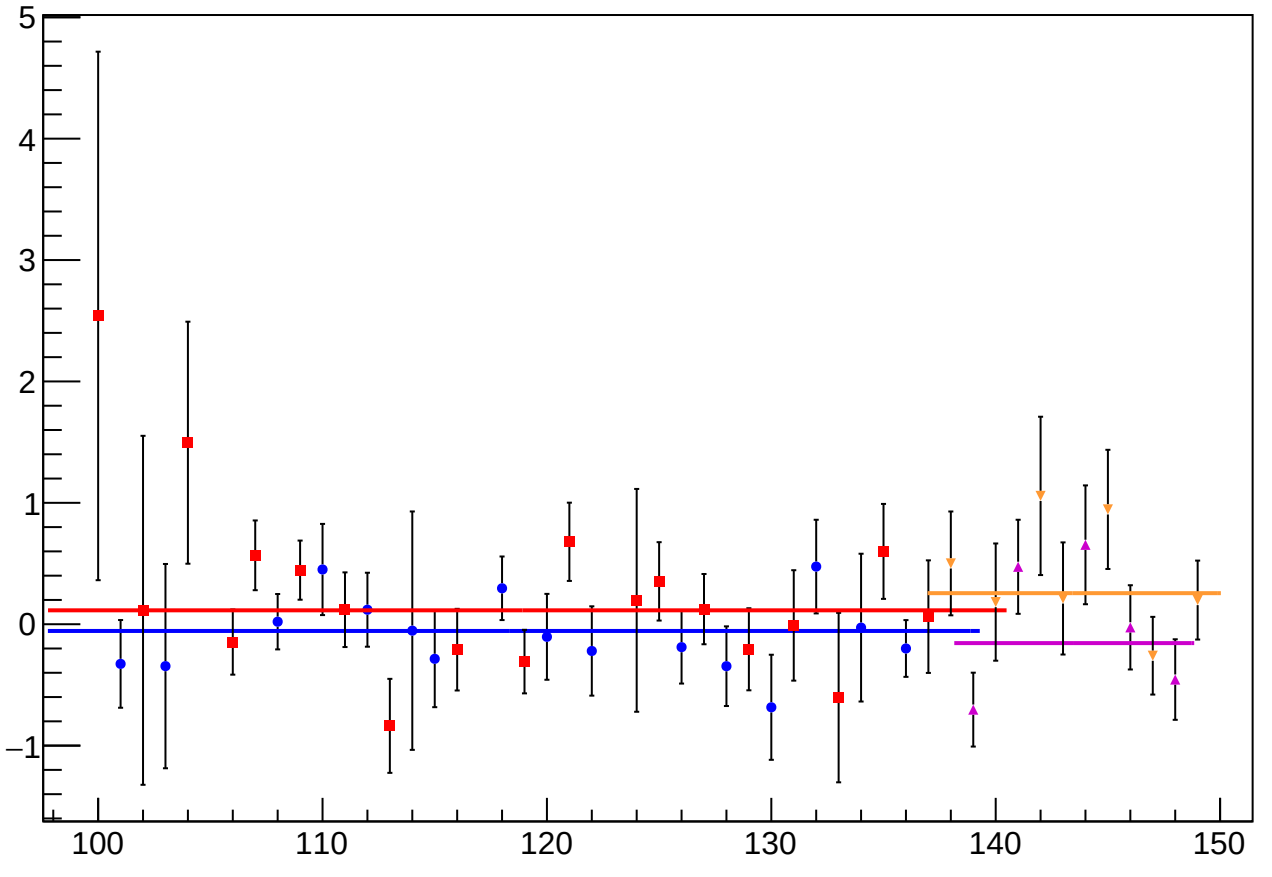
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:7979319.0/20

Out: 0.007+/-0.000 χ^2/NDF:8735319.9/25

All: 0.007+/-0.000 χ^2/NDF: 16811662.0/46

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: 0.256+/-0.158 χ^2/NDF:6.5/6

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

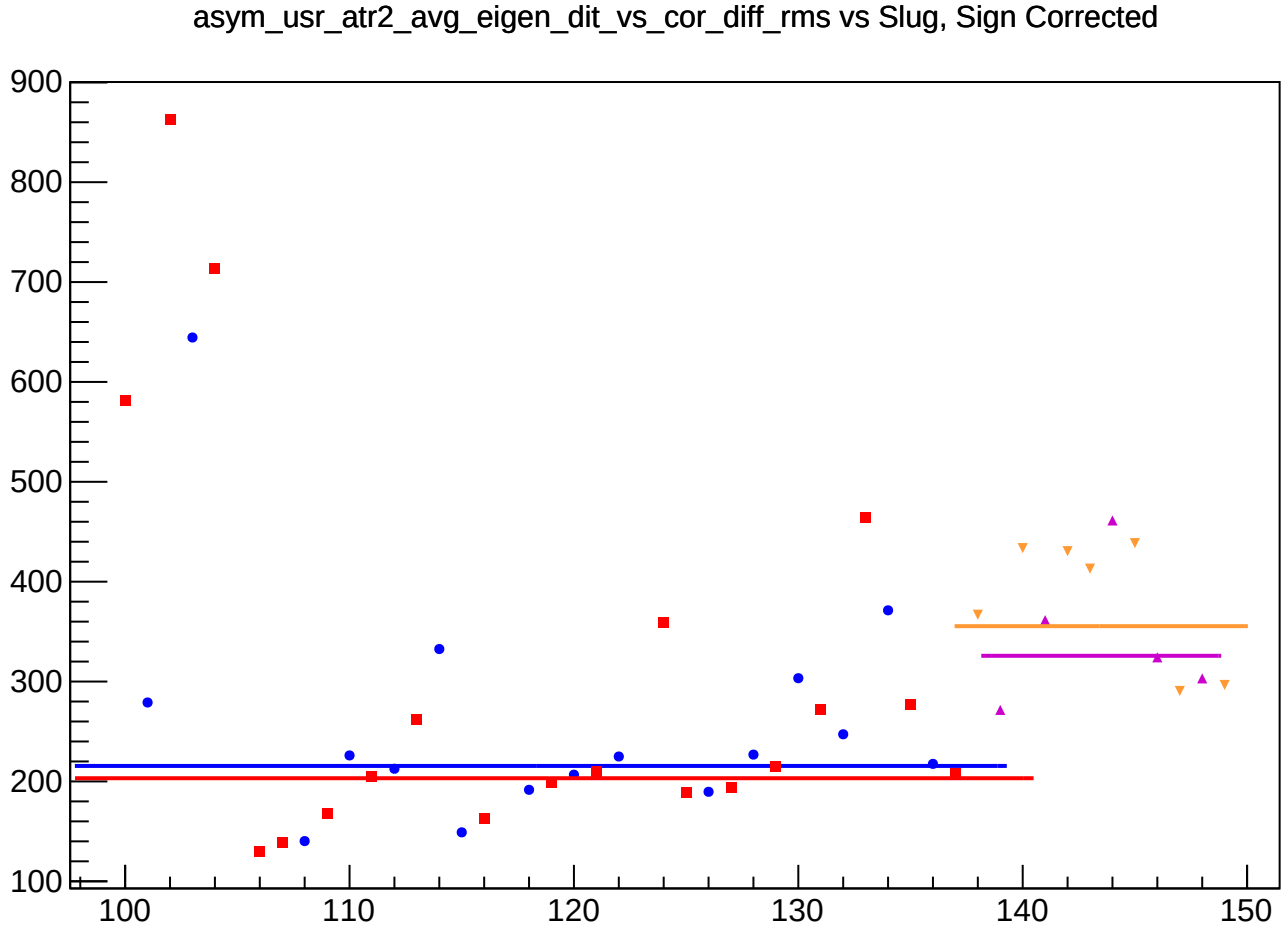
Left: 0.053+/-0.112 χ^2/NDF: 19.4/11

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.145+/-0.074 χ^2/NDF:32.3/25

All: 0.036+/-0.053 χ^2/NDF: 57.3/46



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 355.446+/-0.112 χ^2/NDF:316579.6/6

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: 340.837+/-0.079 χ^2/NDF: 594364.6/11

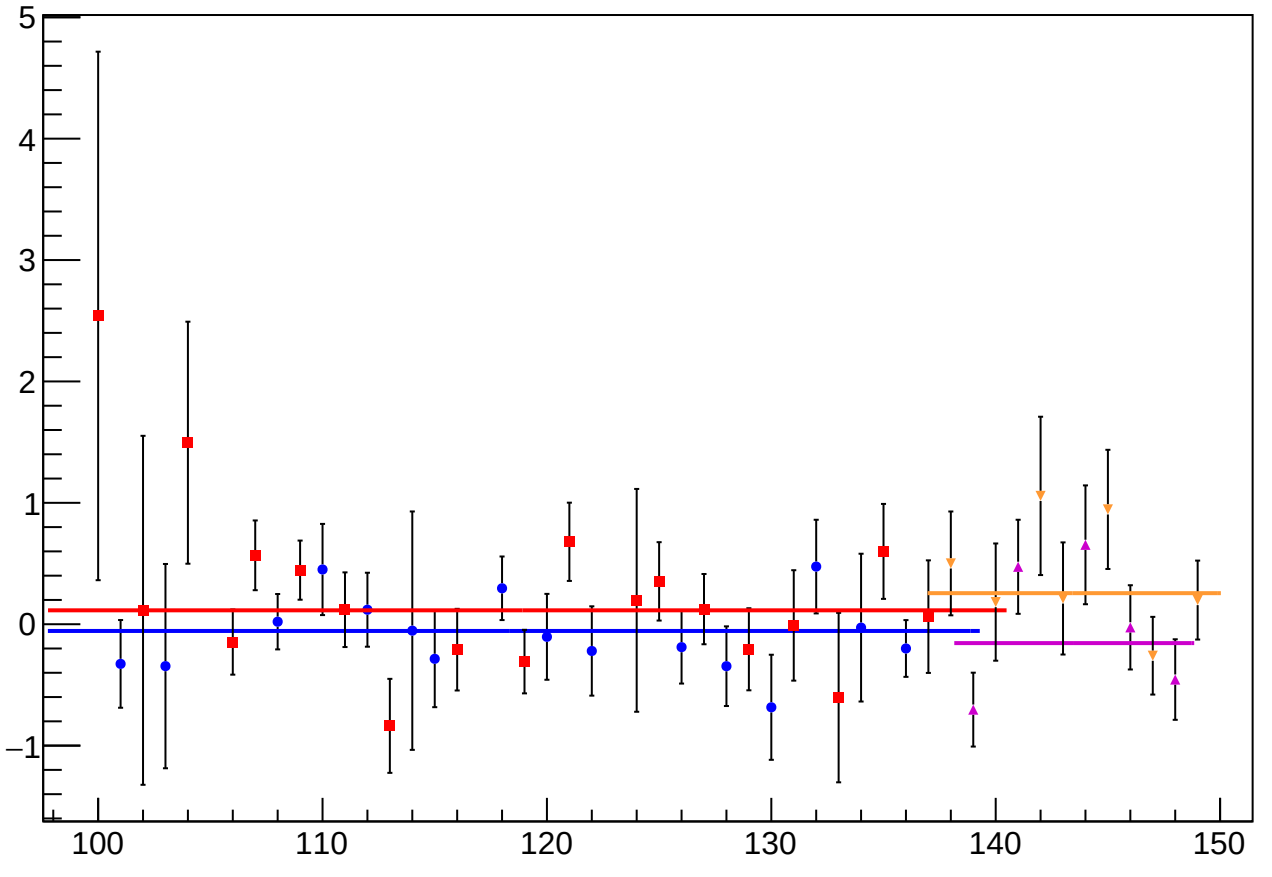
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 239.979+/-0.053 χ^2/NDF:2130263.5/20

Out: 236.335+/-0.052 χ^2/NDF:3608797.7/25

All: 238.113+/-0.037 χ^2/NDF: 5741453.2/46

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: 0.256+/-0.158 χ^2/NDF:6.5/6

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.156+/-0.160 χ^2/NDF:9.6/4

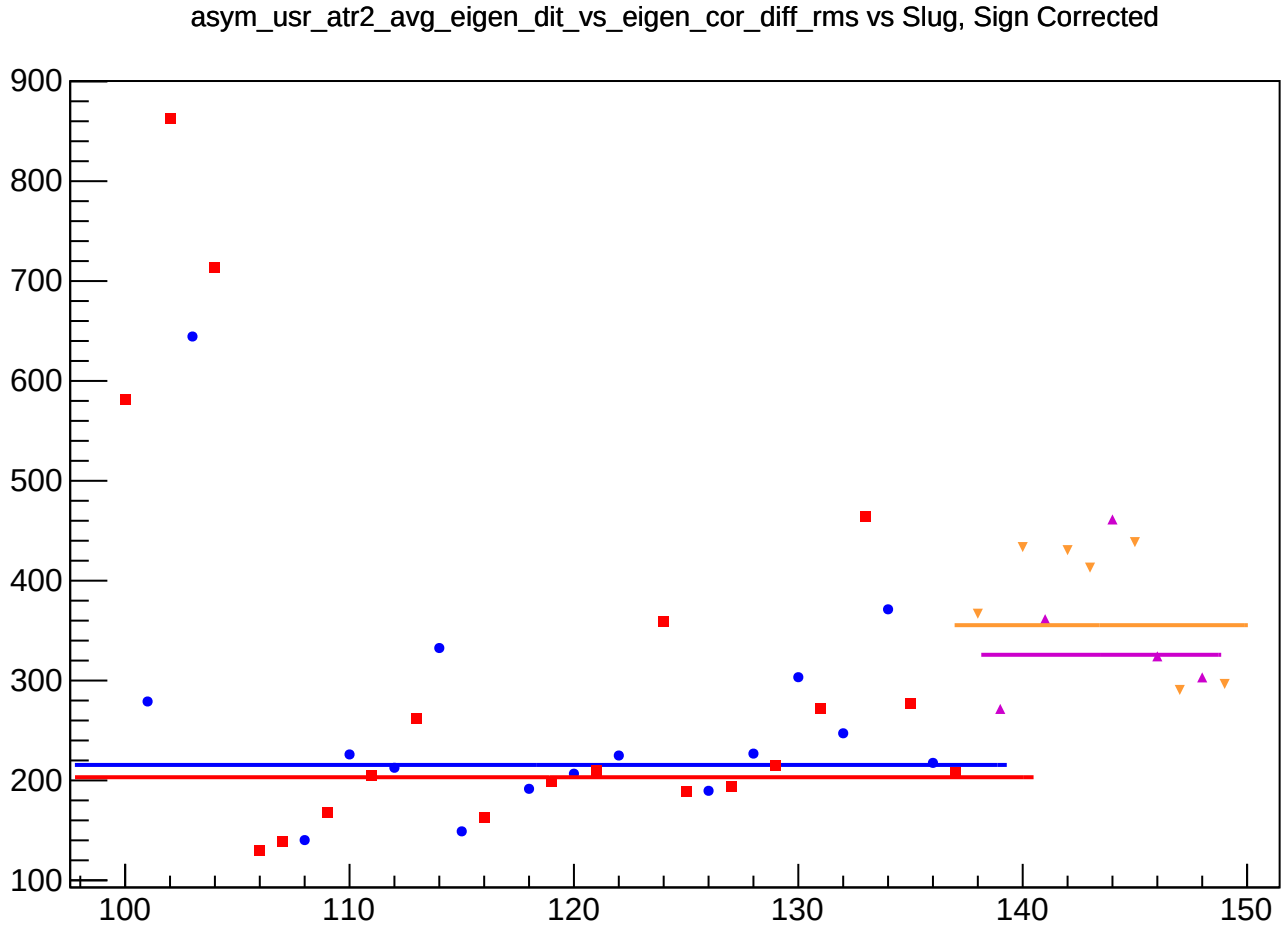
Left: 0.053+/-0.112 χ^2/NDF: 19.4/11

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.078+/-0.075 χ^2/NDF:20.5/20

Out: 0.145+/-0.074 χ^2/NDF:32.3/25

All: 0.036+/-0.053 χ^2/NDF: 57.3/46



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 355.446+/-0.112 χ^2/NDF:316579.6/6

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 325.799+/-0.113 χ^2/NDF:242993.8/4

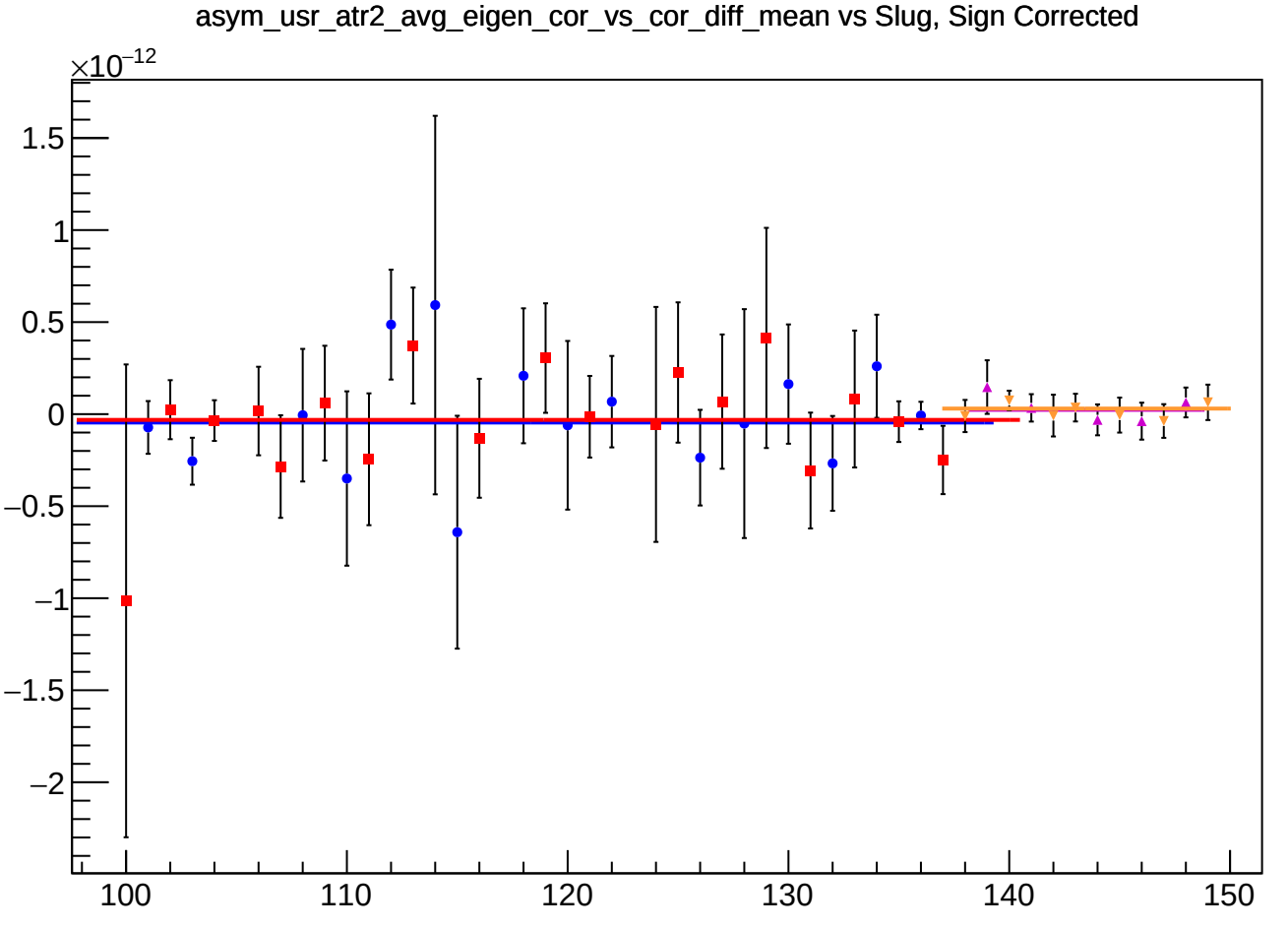
Left: 340.837+/-0.079 χ^2/NDF: 594364.6/11

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 239.979+/-0.053 χ^2/NDF:2130263.5/20

Out: 236.335+/-0.052 χ^2/NDF:3608797.7/25

All: 238.113+/-0.037 χ^2/NDF: 5741453.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/4

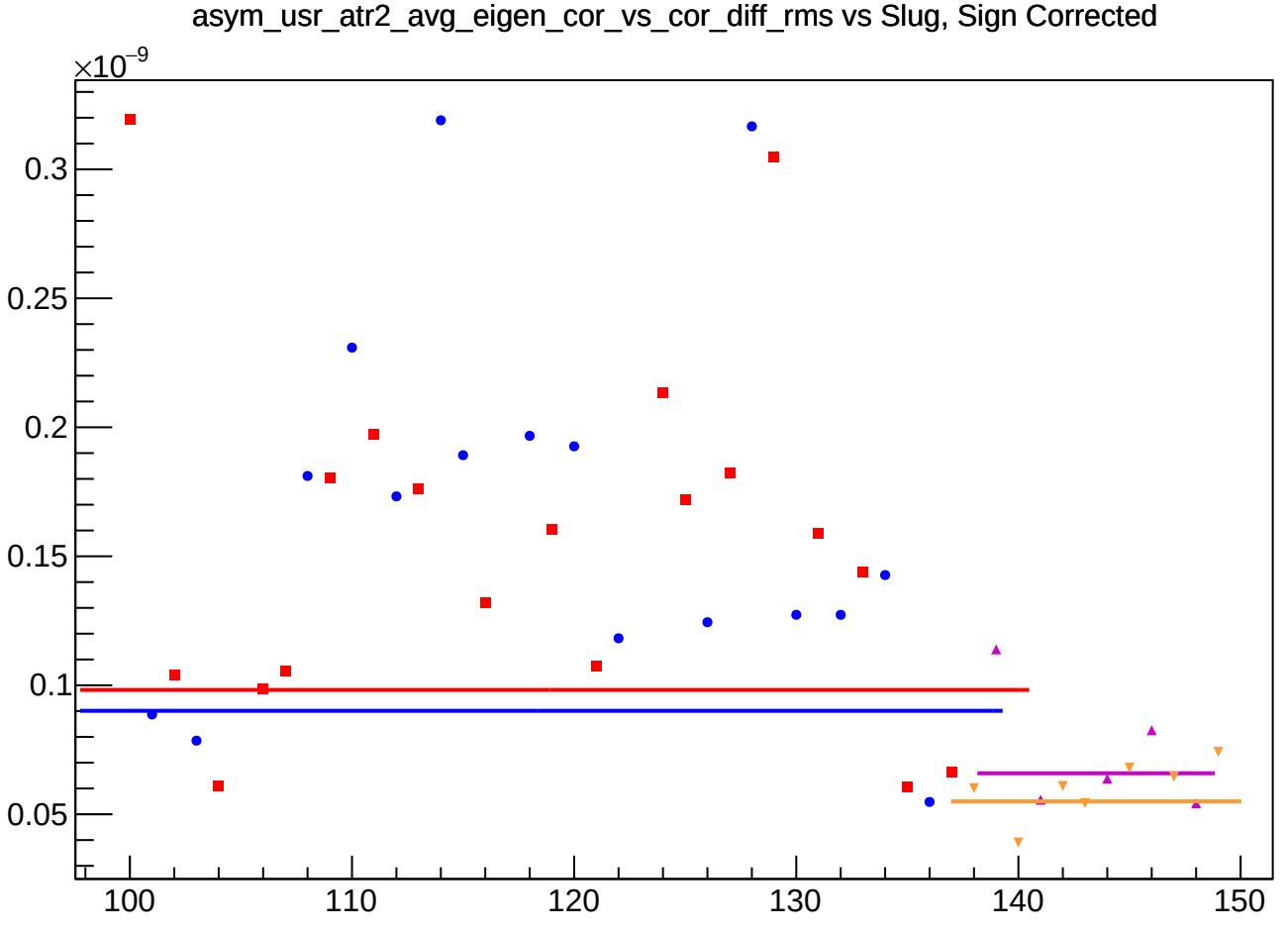
Left: 0.000+/-0.000 χ^2/NDF: 3.6/11

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:11.2/25

All: 0.000+/-0.000 χ^2/NDF: 25.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:332781.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:353322.9/4

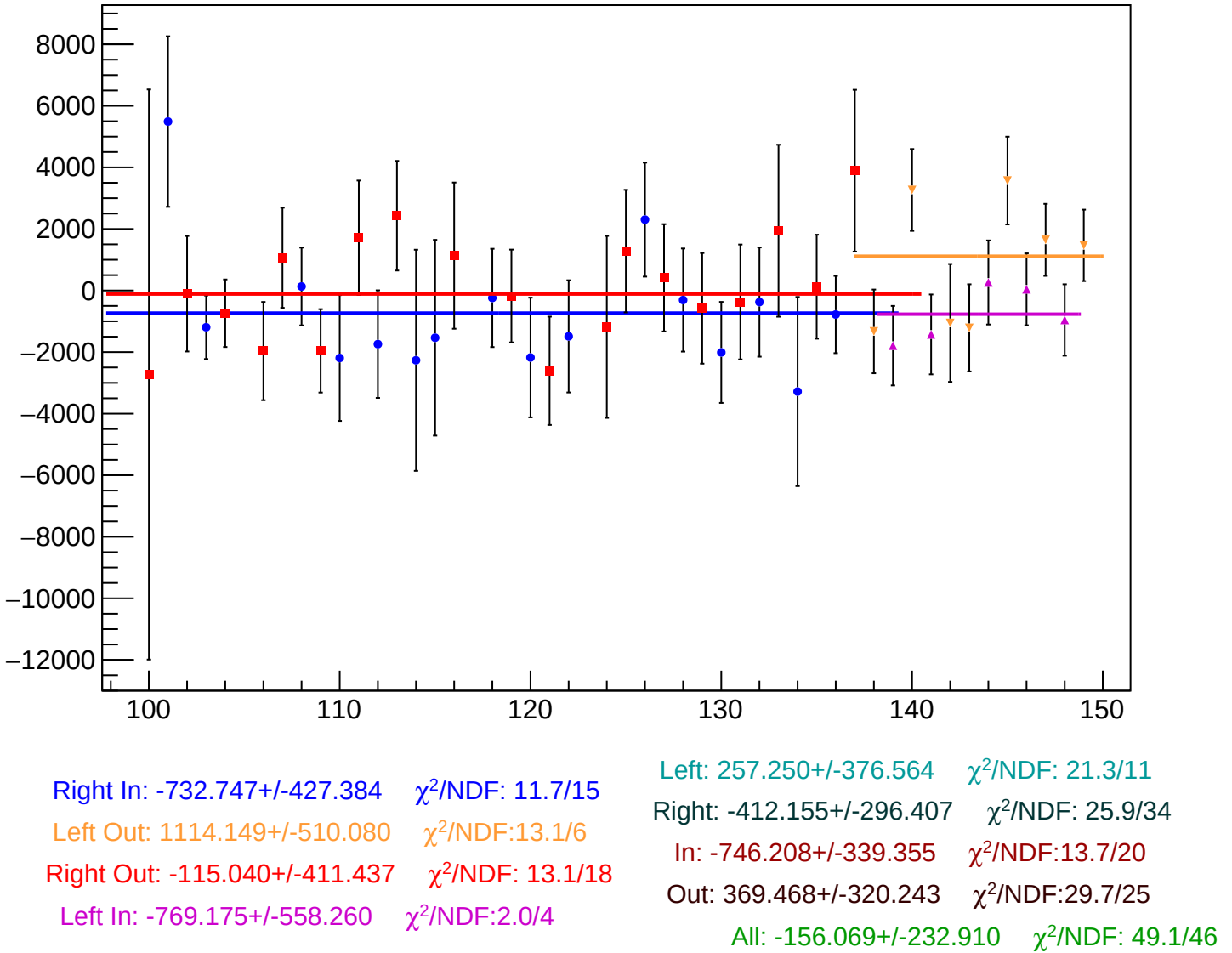
Left: 0.000+/-0.000 χ^2/NDF: 779448.3/11

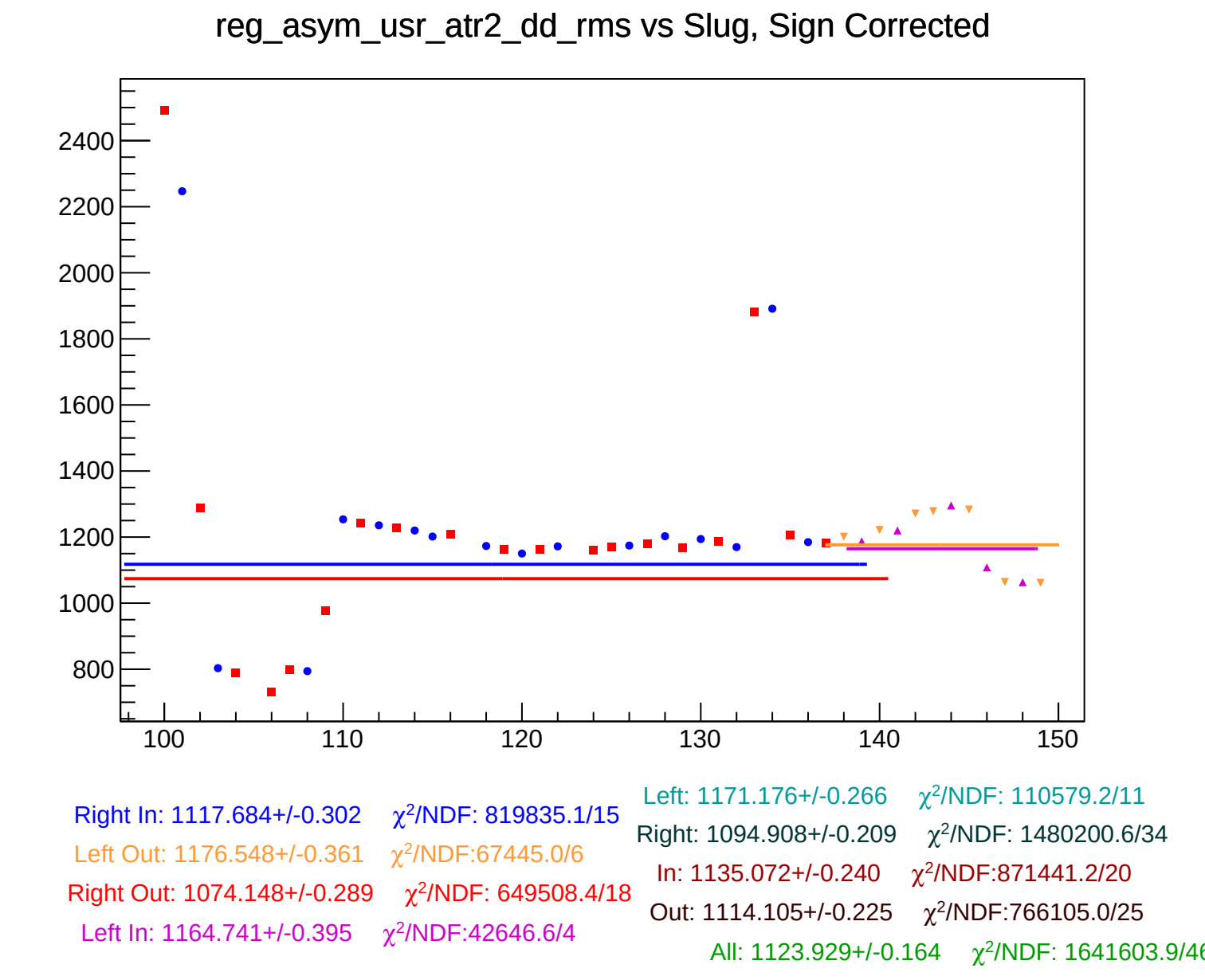
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

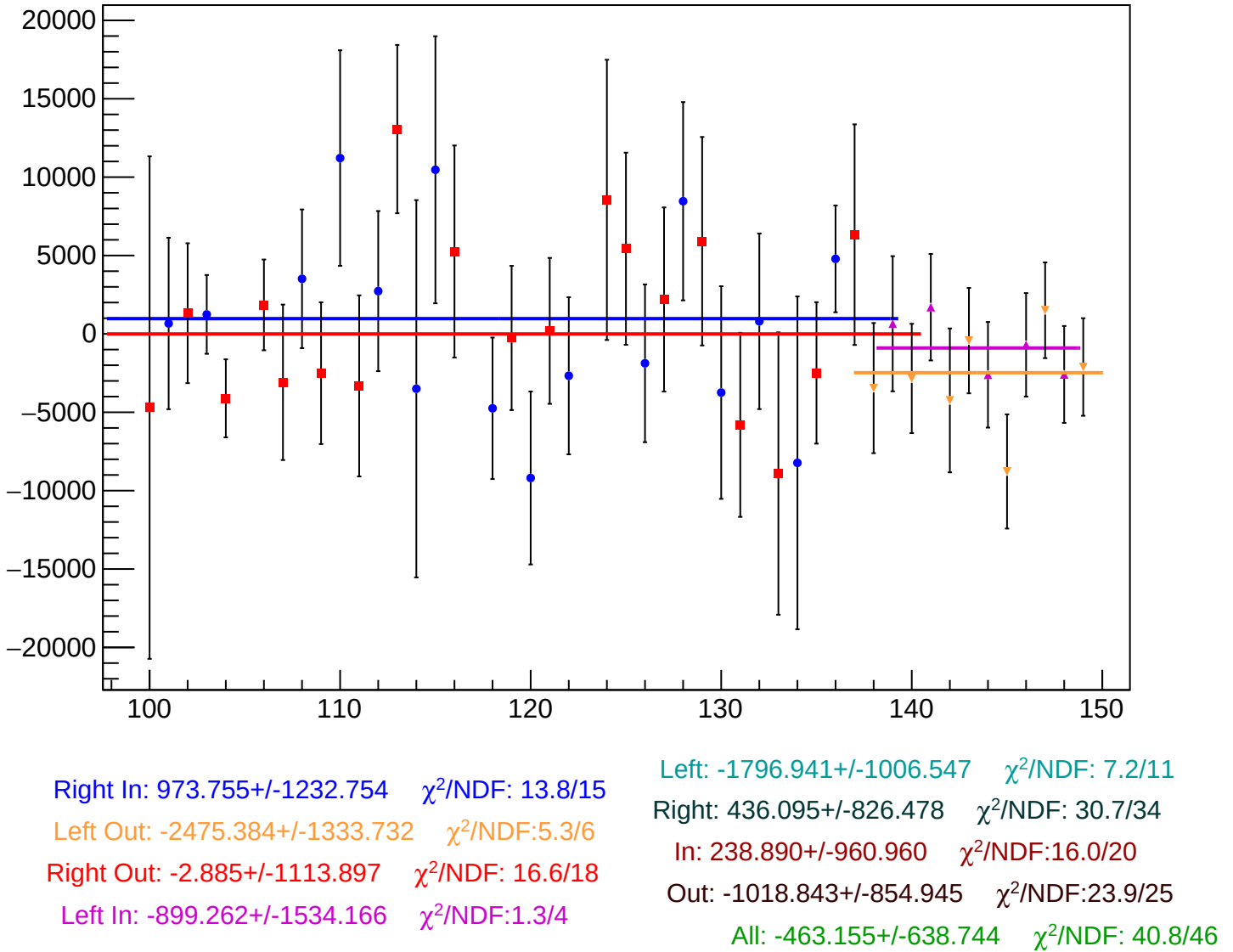
In: 0.000+/-0.000 χ^2/NDF:2446890.7/20

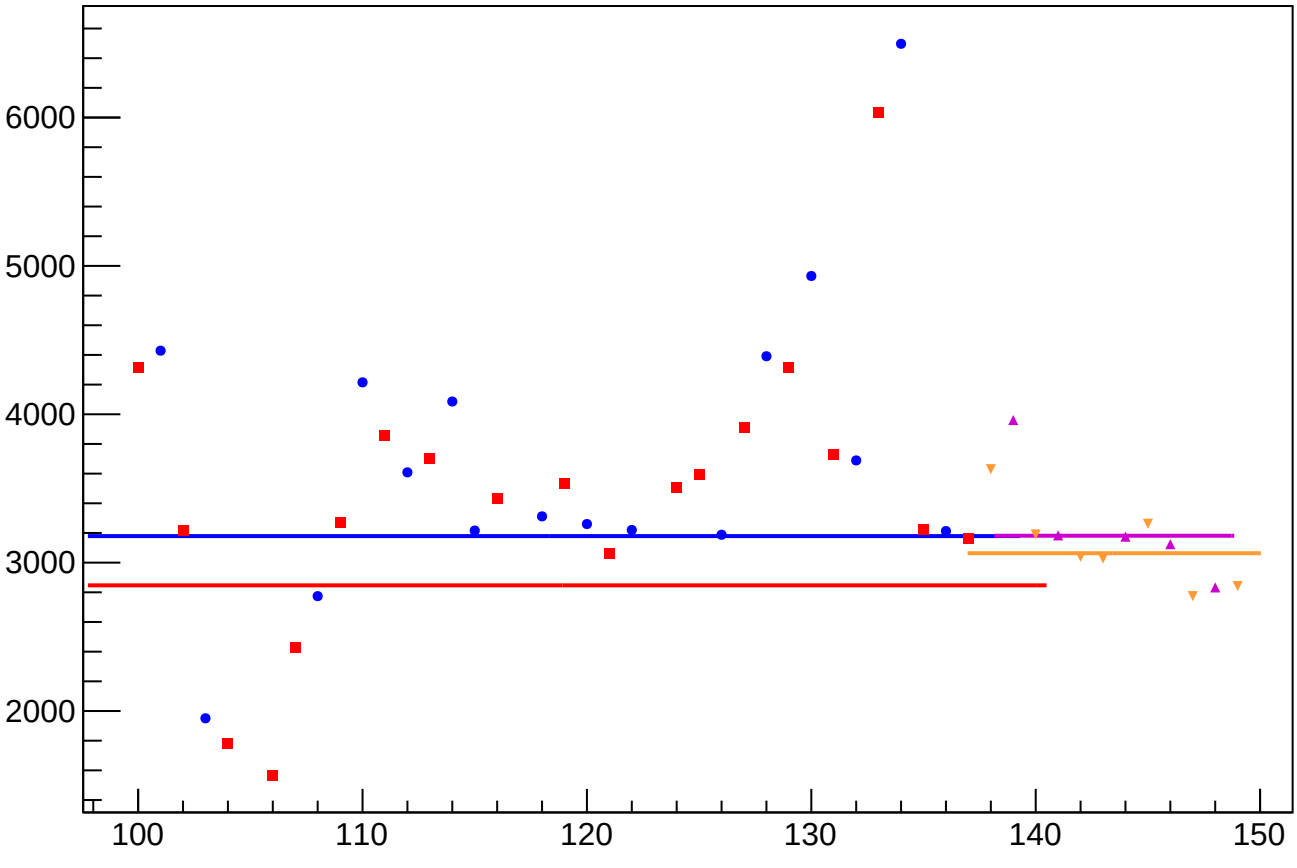
Out: 0.000+/-0.000 χ^2/NDF:3052674.1/25

All: 0.000+/-0.000 χ^2/NDF: 5604890.4/46


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 1114.149+/-510.080 χ²/NDF:13.1/6
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -769.175+/-558.260 χ²/NDF:2.0/4
Left: 257.250+/-376.564 χ²/NDF: 21.3/11
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -746.208+/-339.355 χ²/NDF:13.7/20
Out: 369.468+/-320.243 χ²/NDF:29.7/25
All: -156.069+/-232.910 χ²/NDF: 49.1/46


reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1117.684+/-0.302 χ²/NDF: 819835.1/15
Left Out: 1176.548+/-0.361 χ²/NDF:67445.0/6
Right Out: 1074.148+/-0.289 χ²/NDF: 649508.4/18
Left In: 1164.741+/-0.395 χ²/NDF:42646.6/4
Left: 1171.176+/-0.266 χ²/NDF: 110579.2/11
Right: 1094.908+/-0.209 χ²/NDF: 1480200.6/34
In: 1135.072+/-0.240 χ²/NDF:871441.2/20
Out: 1114.105+/-0.225 χ²/NDF:766105.0/25
All: 1123.929+/-0.164 χ²/NDF: 1641603.9/46


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: -2475.384+/-1333.732 χ²/NDF:5.3/6
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -899.262+/-1534.166 χ²/NDF:1.3/4
Left: -1796.941+/-1006.547 χ²/NDF: 7.2/11
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 238.890+/-960.960 χ²/NDF:16.0/20
Out: -1018.843+/-854.945 χ²/NDF:23.9/25
All: -463.155+/-638.744 χ²/NDF: 40.8/46



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3063.481+/-0.943 χ^2/NDF:74166.2/6

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3181.336+/-1.085 χ^2/NDF:91393.8/4

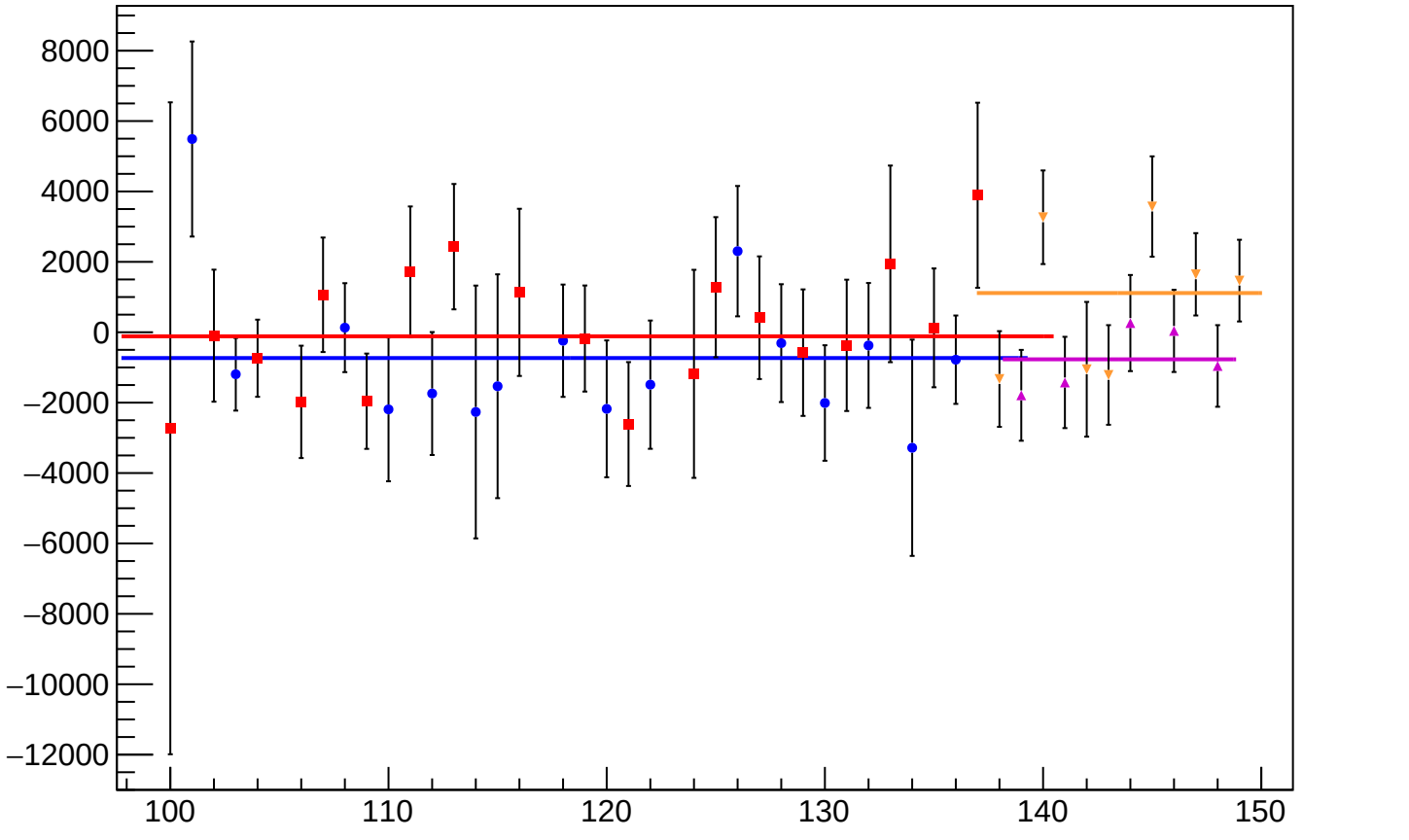
Left: 3114.211+/-0.712 χ^2/NDF: 172282.3/11

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3179.837+/-0.680 χ^2/NDF:1183073.8/20

Out: 2935.962+/-0.605 χ^2/NDF:1616362.2/25

All: 3043.710+/-0.452 χ^2/NDF: 2871336.5/46



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1114.130+/-510.080 χ^2/NDF:13.1/6

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -769.331+/-558.260 χ^2/NDF:2.0/4

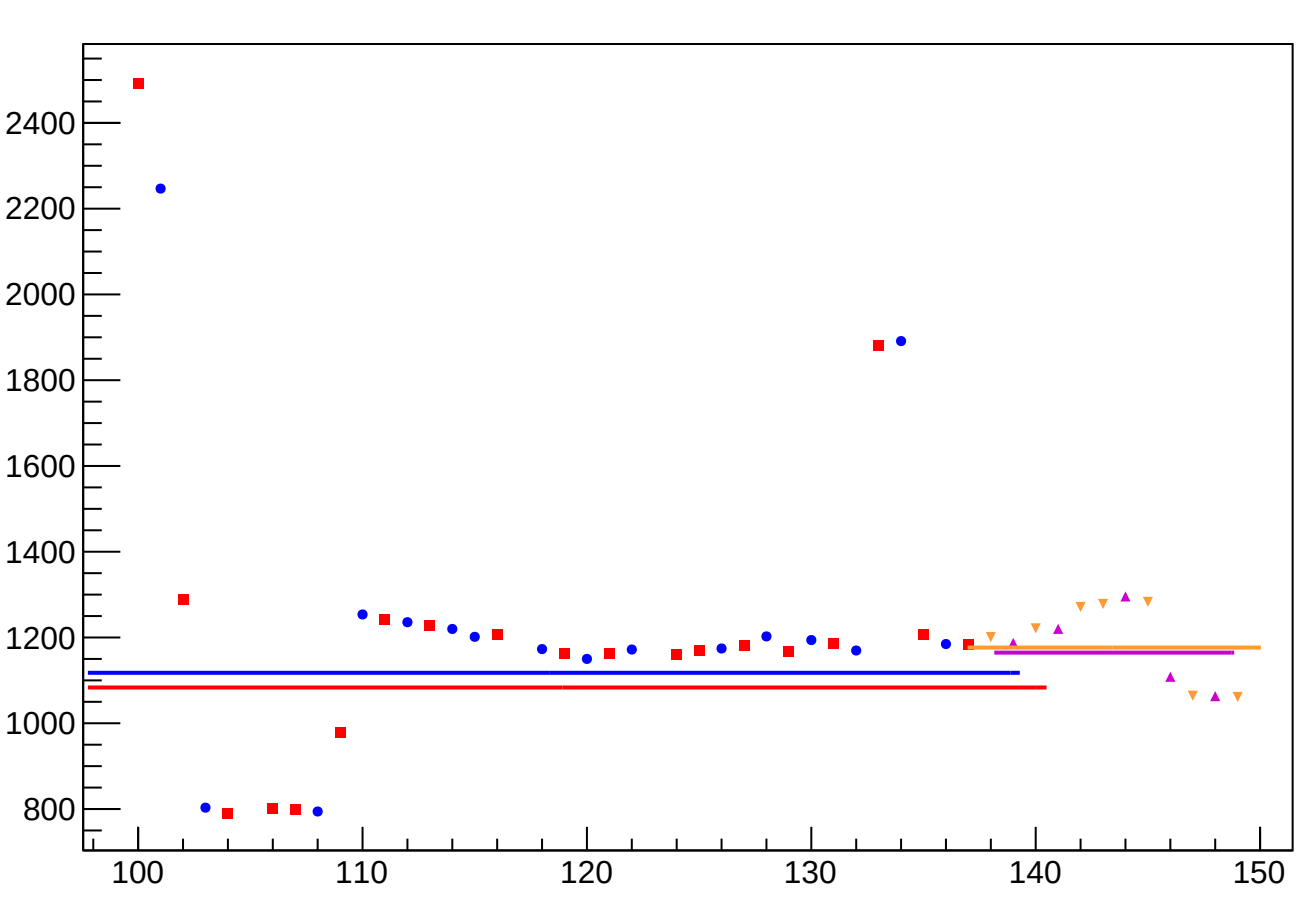
Left: 257.168+/-376.564 χ^2/NDF: 21.3/11

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -746.224+/-339.355 χ^2/NDF:13.7/20

Out: 369.305+/-320.245 χ^2/NDF:29.8/25

All: -156.166+/-232.910 χ^2/NDF: 49.1/46



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1176.548+/-0.361 χ^2/NDF:67445.0/6

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

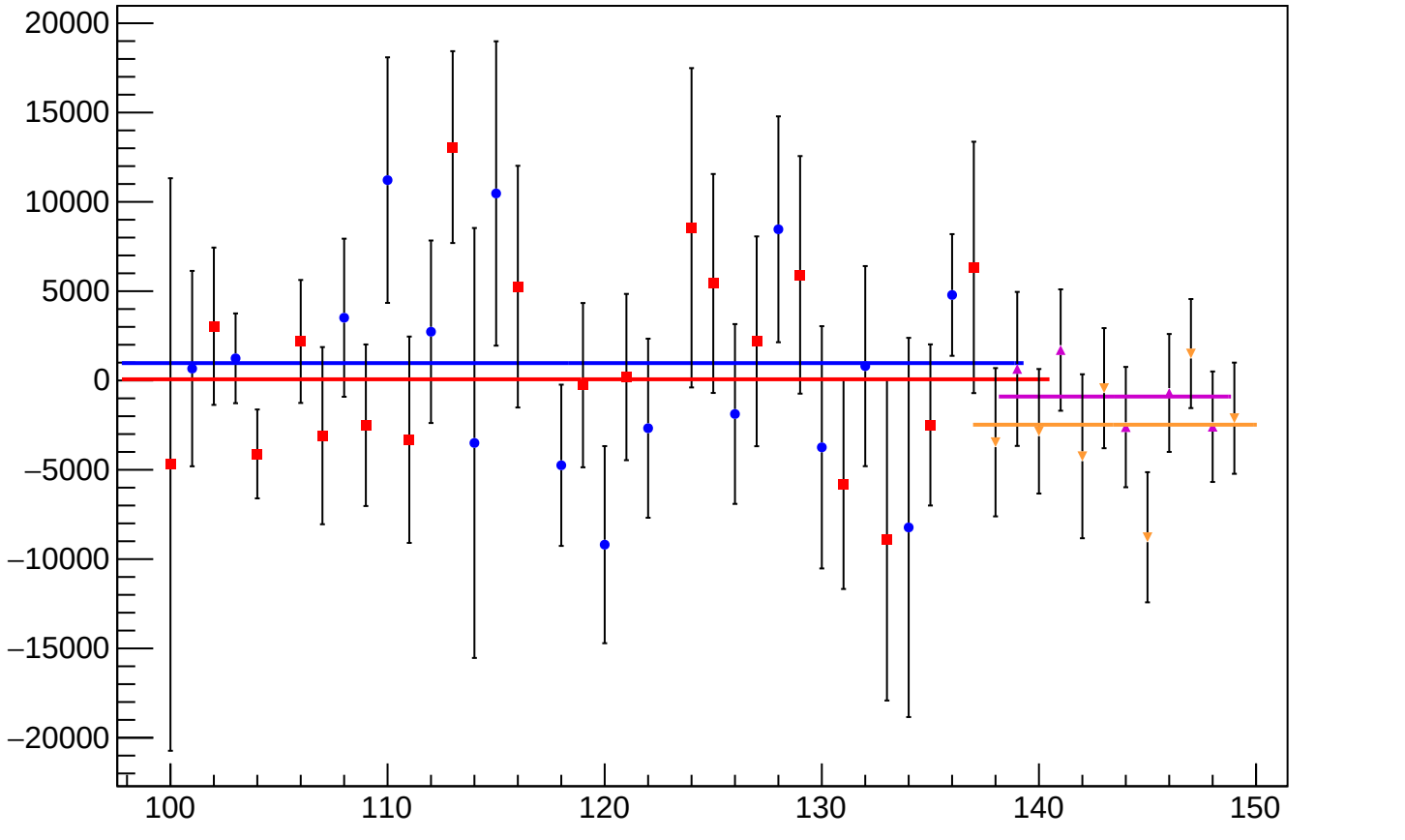
Left: 1171.176+/-0.266 χ^2/NDF: 110579.2/11

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1135.073+/-0.240 χ^2/NDF:871437.6/20

Out: 1120.043+/-0.226 χ^2/NDF:702911.0/25

All: 1127.114+/-0.165 χ^2/NDF: 1576425.7/46



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2475.379+/-1333.729 χ^2/NDF:5.3/6

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -899.302+/-1534.165 χ^2/NDF:1.3/4

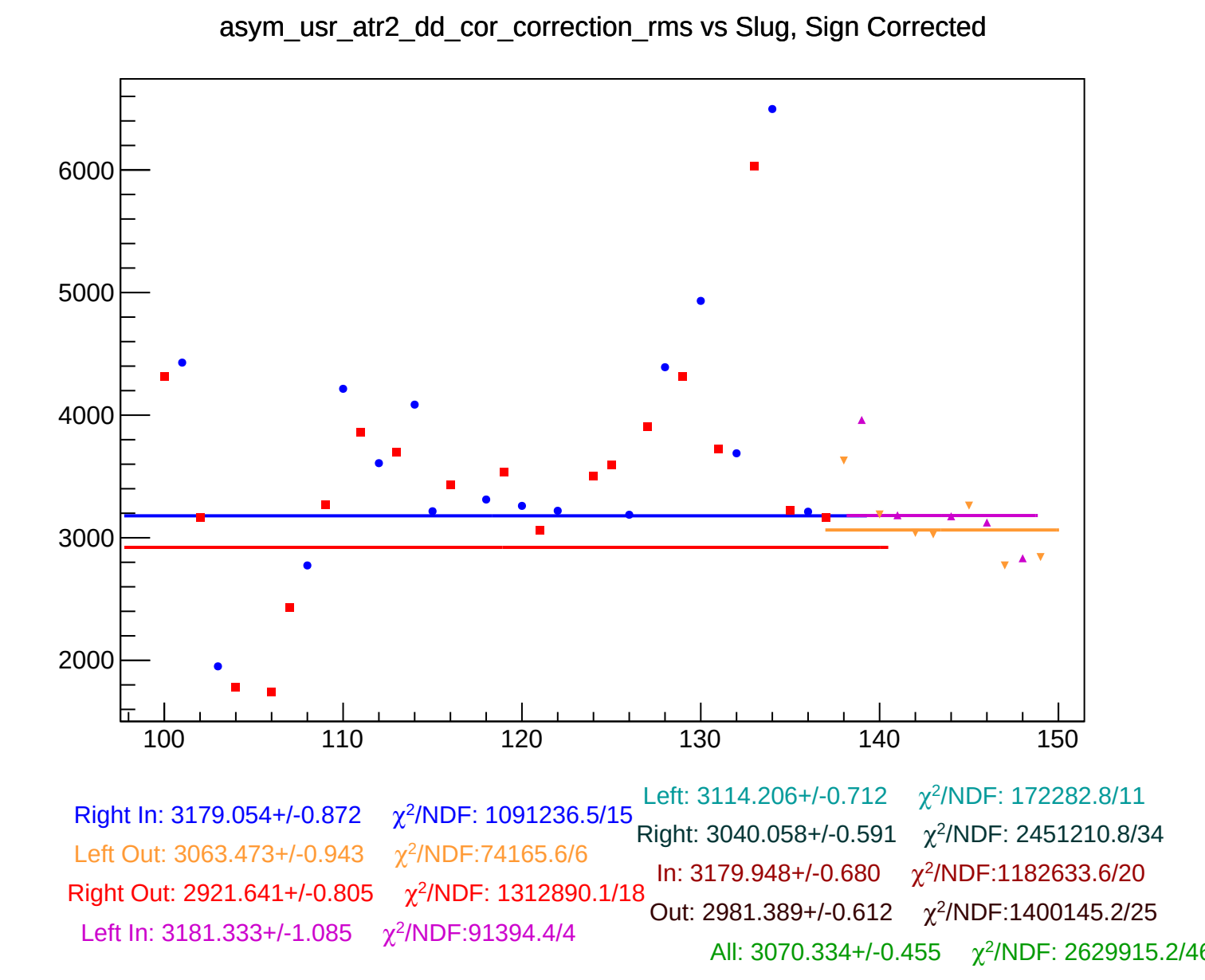
Left: -1796.957+/-1006.545 χ^2/NDF: 7.2/11

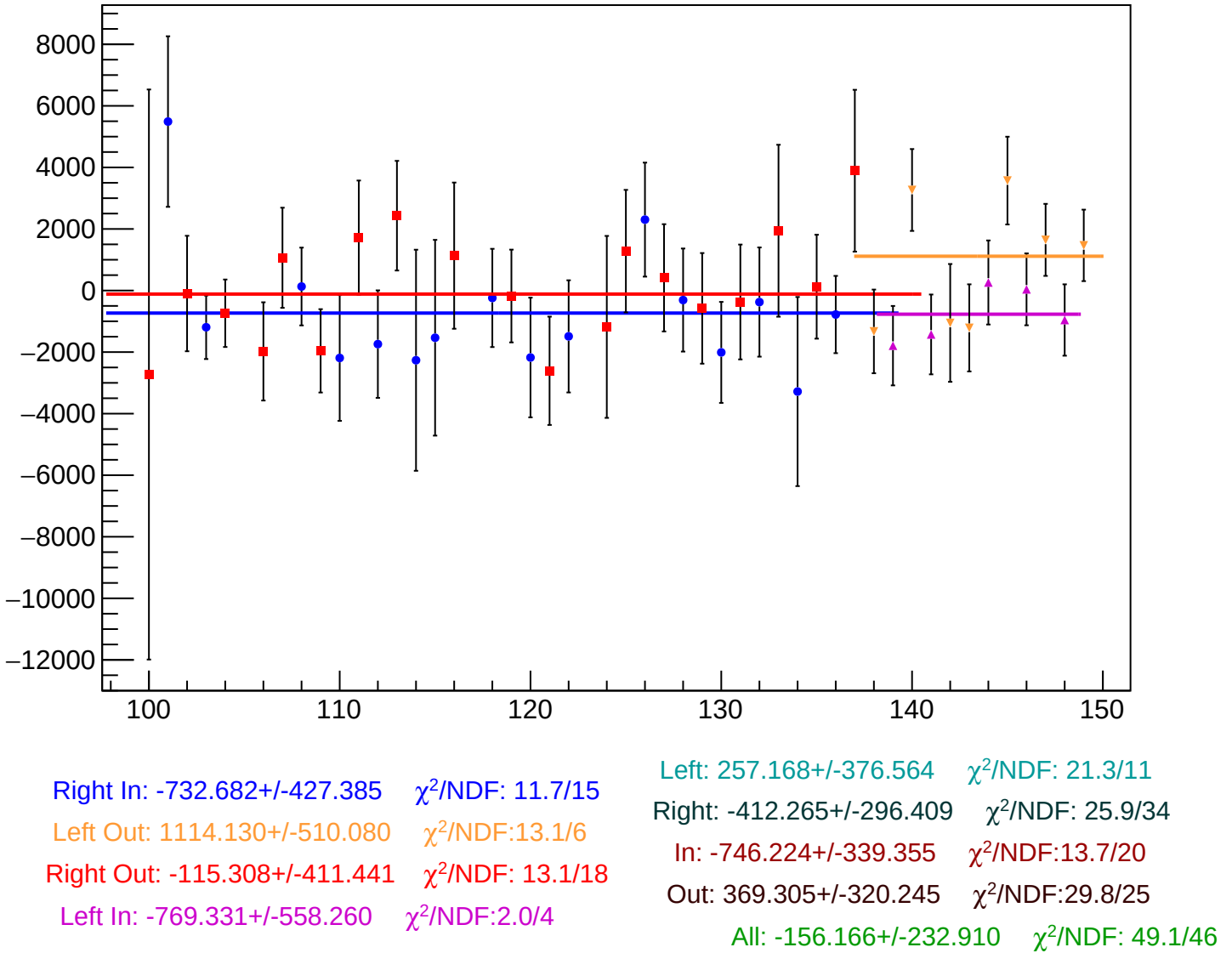
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 238.534+/-960.984 χ^2/NDF:16.0/20

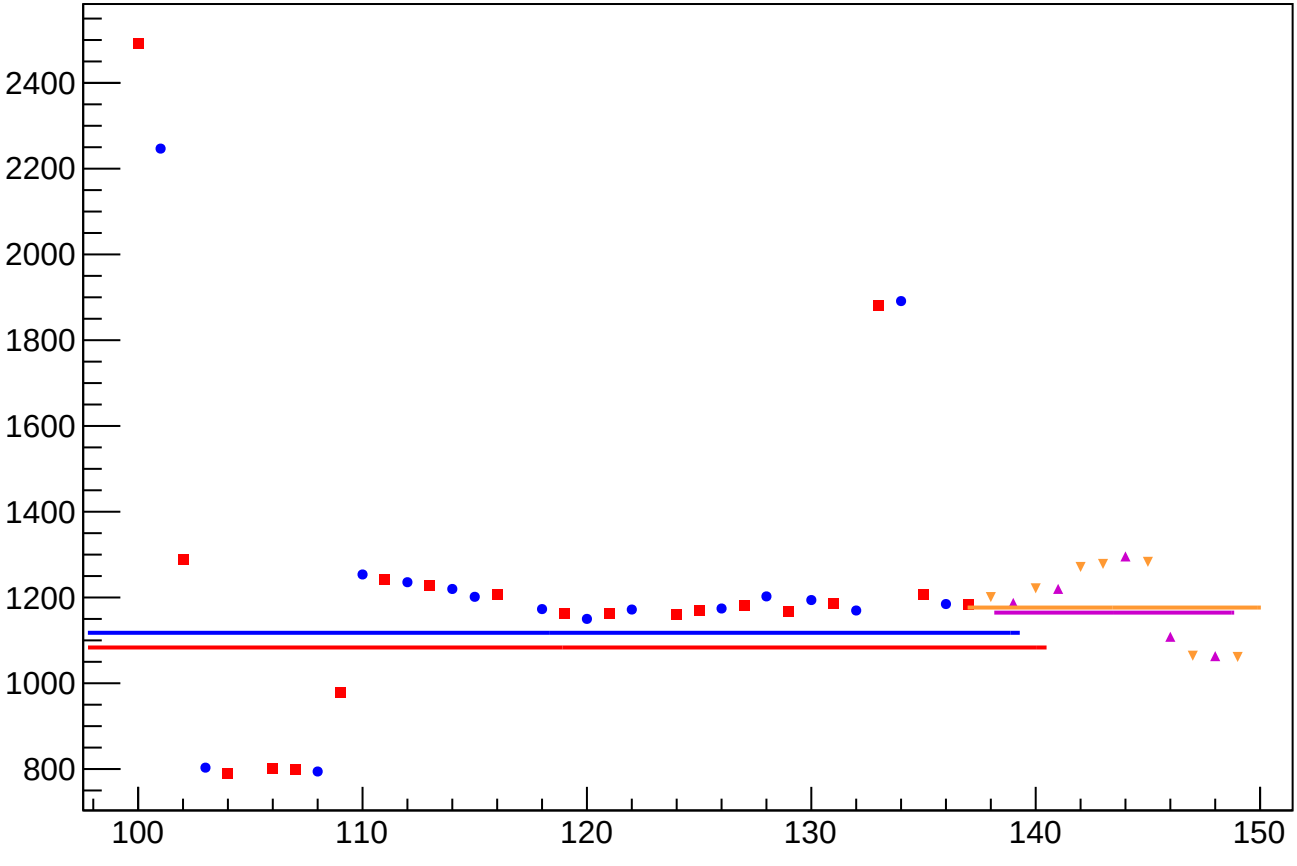
Out: -1003.938+/-865.651 χ^2/NDF:24.3/25

All: -447.371+/-643.178 χ^2/NDF: 41.2/46


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: 3063.473+/-0.943 χ²/NDF:74165.6/6
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3181.333+/-1.085 χ²/NDF:91394.4/4
Left: 3114.206+/-0.712 χ²/NDF: 172282.8/11
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3179.948+/-0.680 χ²/NDF:1182633.6/20
Out: 2981.389+/-0.612 χ²/NDF:1400145.2/25
All: 3070.334+/-0.455 χ²/NDF: 2629915.2/46


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1114.130+/-510.080 χ²/NDF:13.1/6
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -769.331+/-558.260 χ²/NDF:2.0/4
Left: 257.168+/-376.564 χ²/NDF: 21.3/11
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -746.224+/-339.355 χ²/NDF:13.7/20
Out: 369.305+/-320.245 χ²/NDF:29.8/25
All: -156.166+/-232.910 χ²/NDF: 49.1/46

eigen_cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1176.548+/-0.361 χ^2/NDF:67445.0/6

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1164.741+/-0.395 χ^2/NDF:42646.6/4

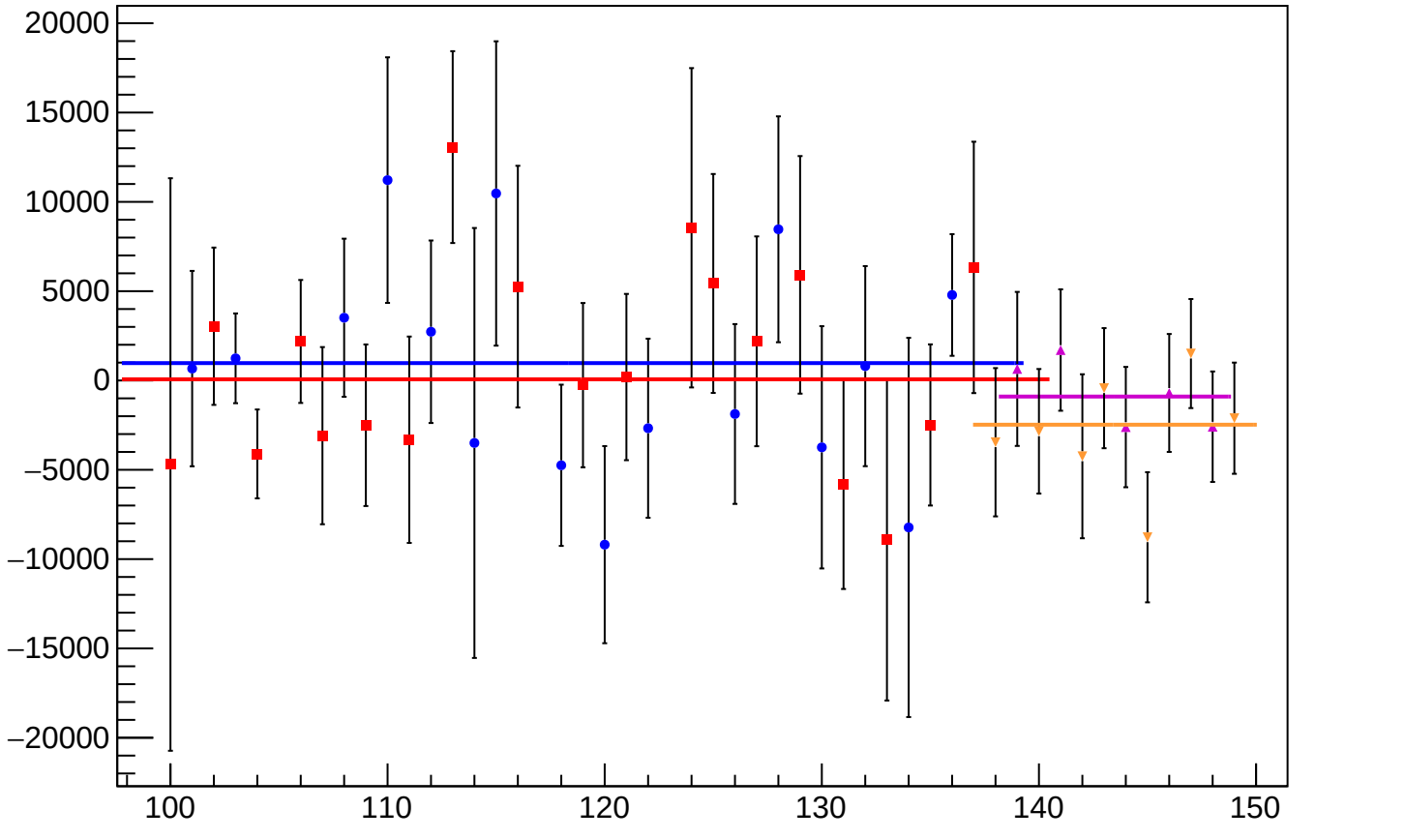
Left: 1171.176+/-0.266 χ^2/NDF: 110579.2/11

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1135.073+/-0.240 χ^2/NDF:871437.6/20

Out: 1120.043+/-0.226 χ^2/NDF:702911.0/25

All: 1127.114+/-0.165 χ^2/NDF: 1576425.7/46



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2475.379+/-1333.729 χ^2/NDF:5.3/6

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -899.302+/-1534.165 χ^2/NDF:1.3/4

Left: -1796.957+/-1006.545 χ^2/NDF: 7.2/11

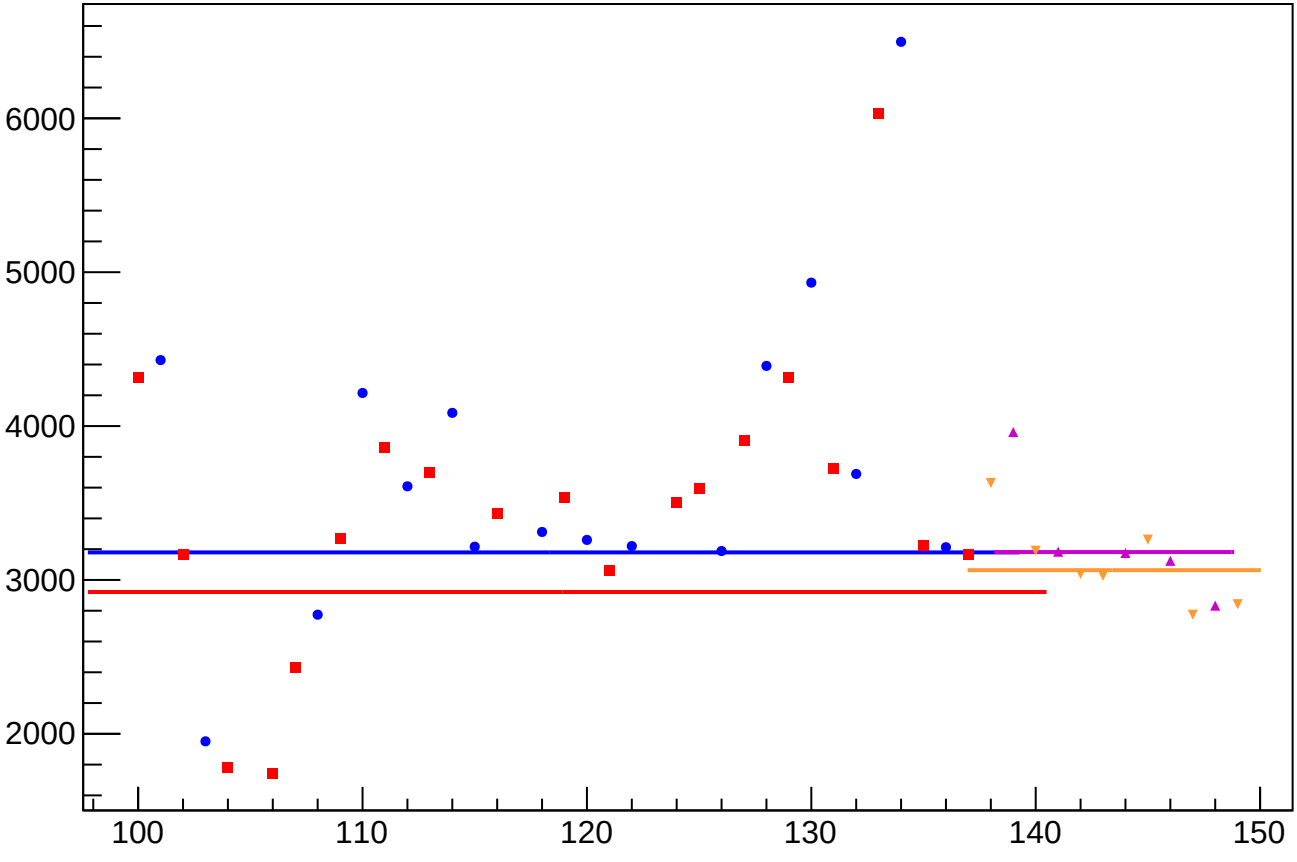
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 238.534+/-960.984 χ^2/NDF:16.0/20

Out: -1003.938+/-865.651 χ^2/NDF:24.3/25

All: -447.371+/-643.178 χ^2/NDF: 41.2/46

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3063.473+/-0.943 χ^2/NDF:74165.6/6

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3181.333+/-1.085 χ^2/NDF:91394.4/4

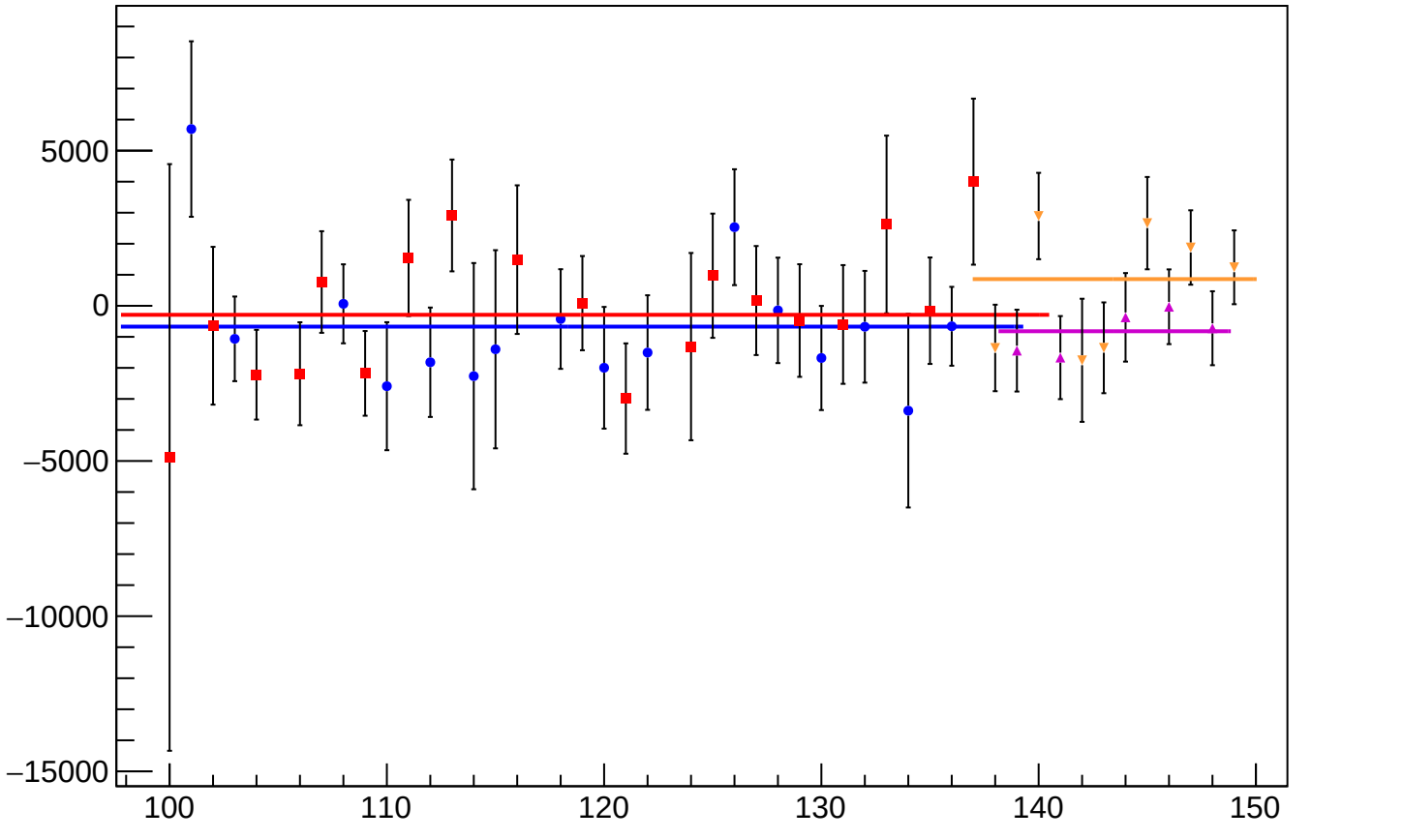
Left: 3114.206+/-0.712 χ^2/NDF: 172282.8/11

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3179.948+/-0.680 χ^2/NDF:1182633.6/20

Out: 2981.389+/-0.612 χ^2/NDF:1400145.2/25

All: 3070.334+/-0.455 χ^2/NDF: 2629915.2/46



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 860.501+/-526.505 χ^2/NDF:11.0/6

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: 94.893+/-388.457 χ^2/NDF: 16.8/11

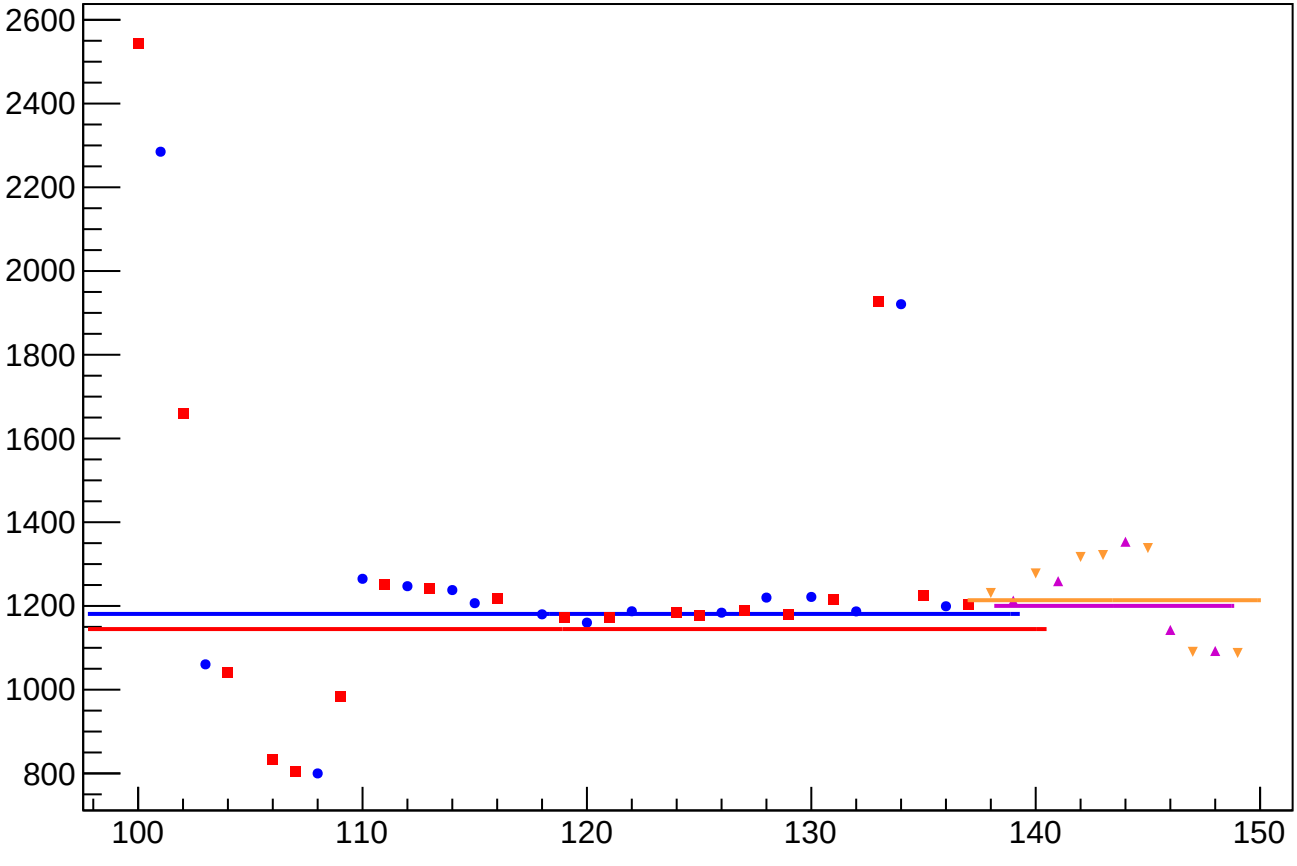
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -727.103+/-353.755 χ^2/NDF:13.1/20

Out: 175.823+/-335.086 χ^2/NDF:30.8/25

All: -251.187+/-243.274 χ^2/NDF: 47.3/46

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1213.694+/-0.372 χ^2/NDF:78482.8/6

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1200.177+/-0.407 χ^2/NDF:48054.5/4

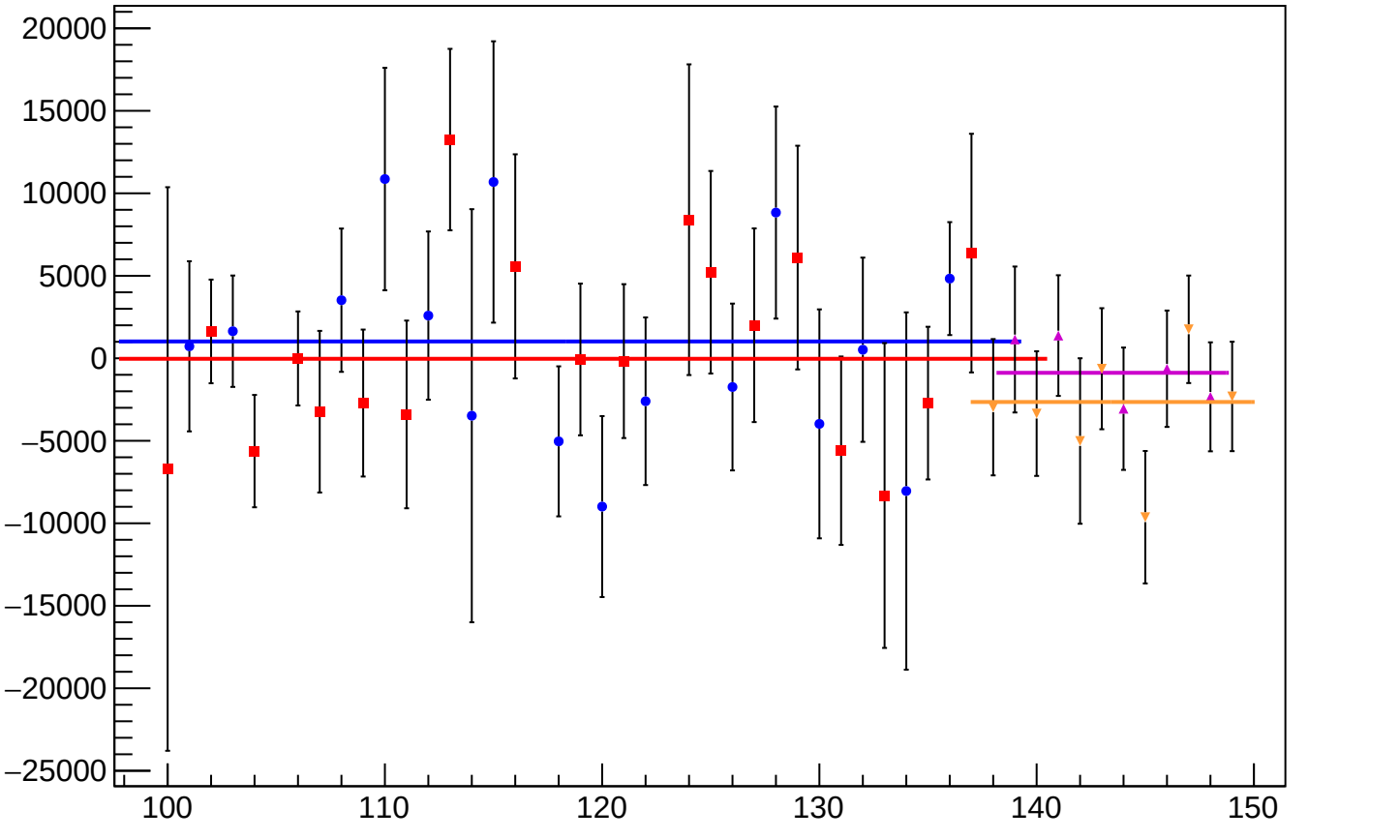
Left: 1207.535+/-0.275 χ^2/NDF: 127138.0/11

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1188.219+/-0.250 χ^2/NDF:671321.3/20

Out: 1172.676+/-0.237 χ^2/NDF:596608.2/25

All: 1180.024+/-0.172 χ^2/NDF: 1269964.9/46



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2647.946+/-1428.588 χ^2/NDF:5.4/6

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -879.652+/-1642.425 χ^2/NDF:1.1/4

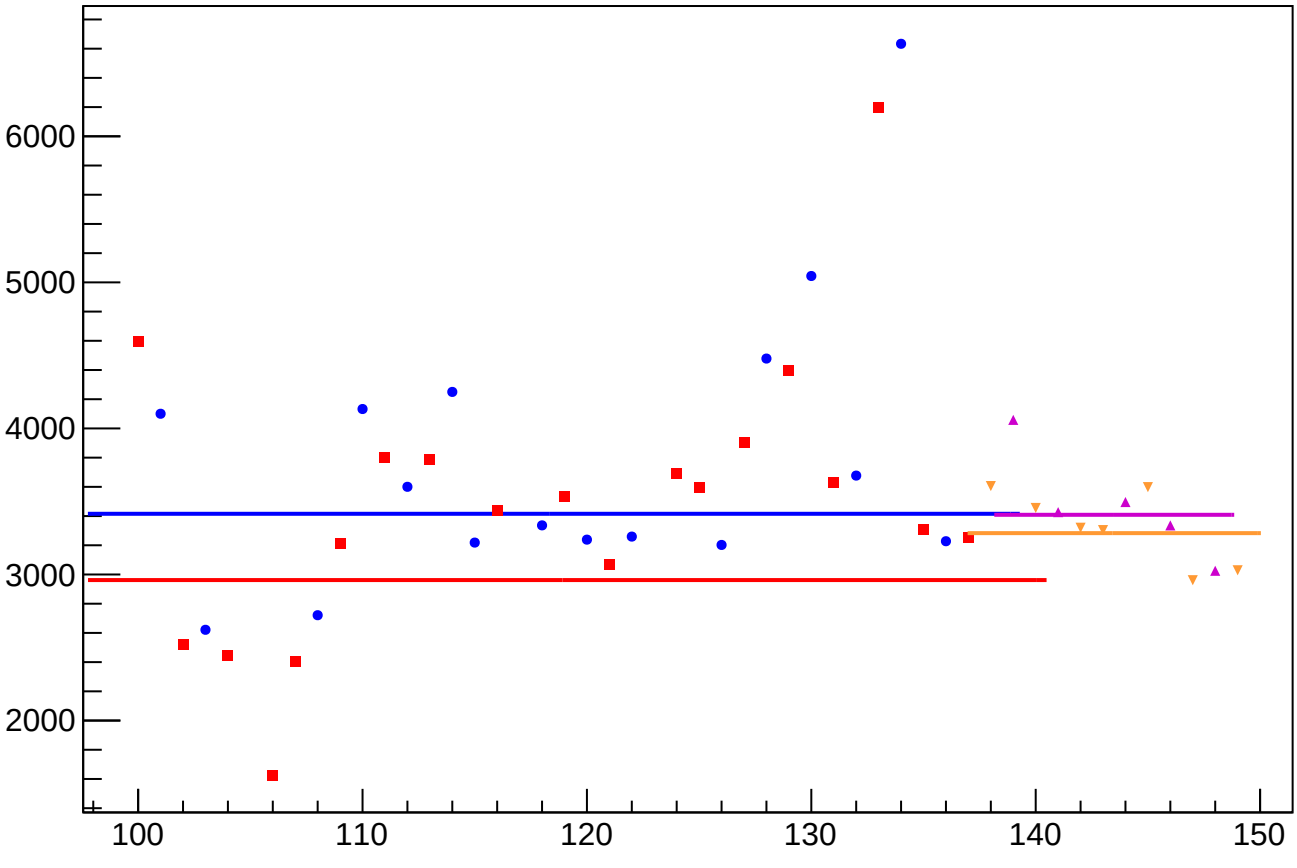
Left: -1886.332+/-1077.893 χ^2/NDF: 7.2/11

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 287.253+/-1020.507 χ^2/NDF:15.8/20

Out: -1038.460+/-886.621 χ^2/NDF:23.6/25

All: -468.216+/-669.301 χ^2/NDF: 40.4/46



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3283.146+/-1.010 χ^2/NDF:60167.8/6

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3408.664+/-1.161 χ^2/NDF:72123.5/4

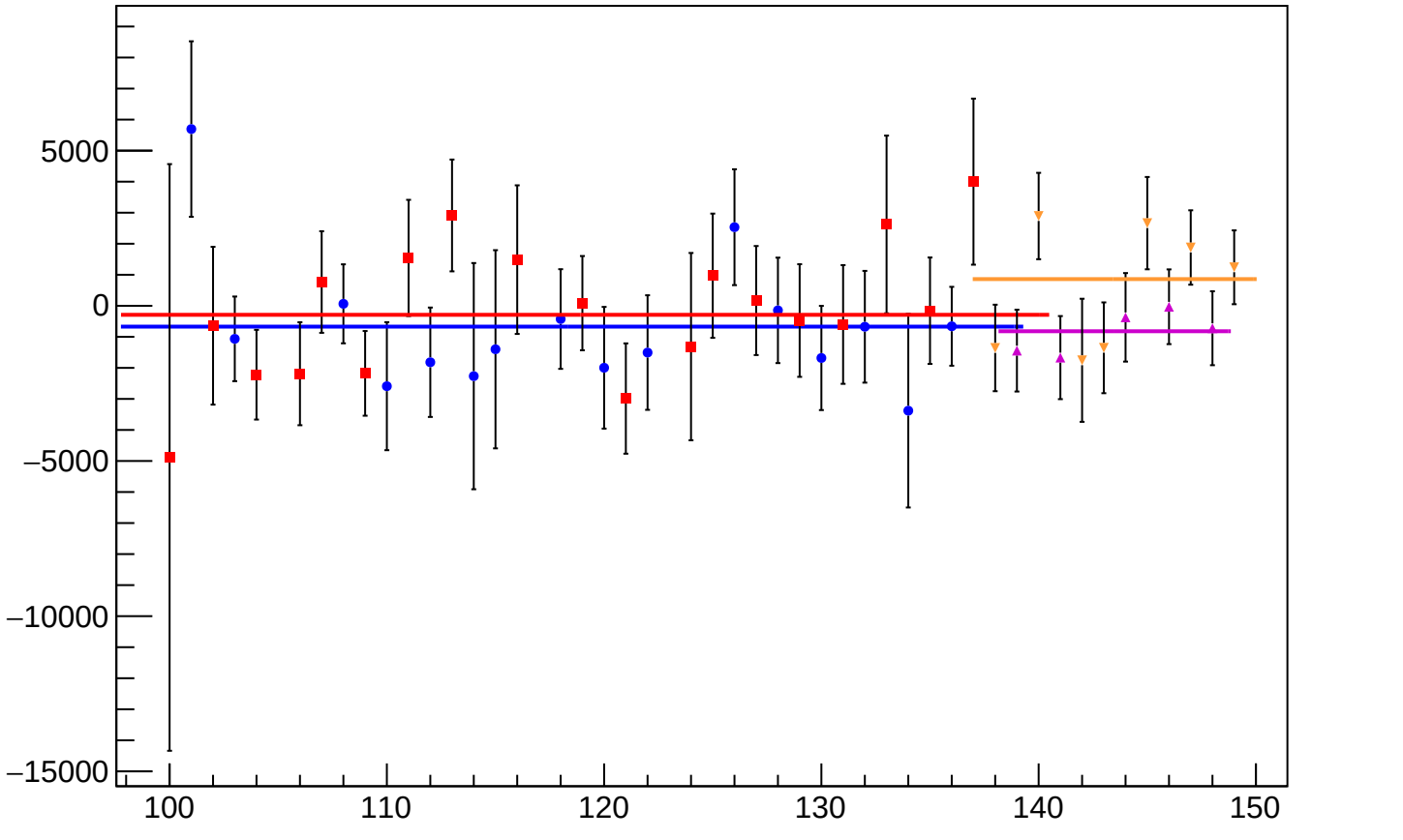
Left: 3337.207+/-0.762 χ^2/NDF: 138941.1/11

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3412.919+/-0.722 χ^2/NDF:664489.4/20

Out: 3085.574+/-0.627 χ^2/NDF:1291643.0/25

All: 3226.379+/-0.473 χ^2/NDF: 2073399.3/46



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 860.500+/-526.505 χ^2/NDF:11.0/6

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -819.765+/-575.479 χ^2/NDF:1.2/4

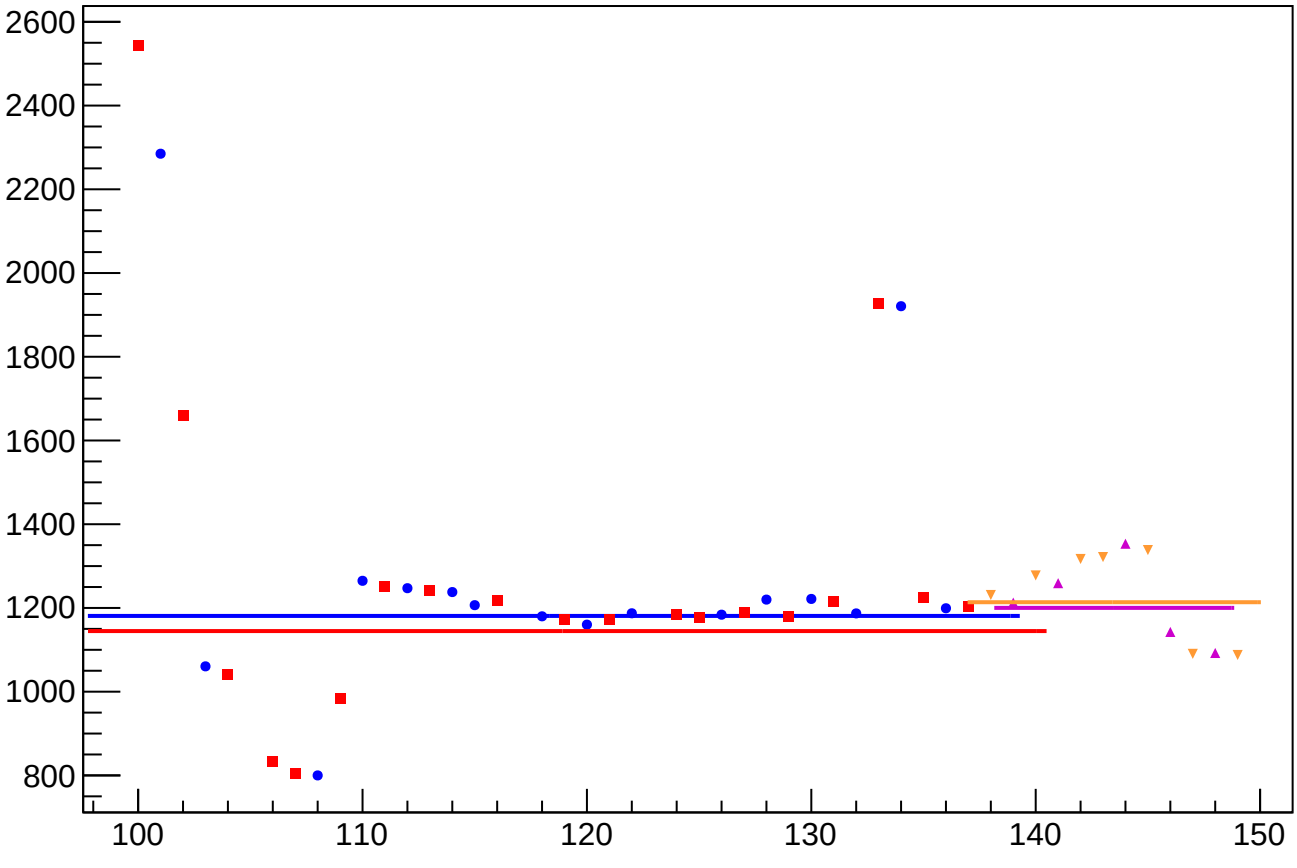
Left: 94.894+/-388.457 χ^2/NDF: 16.8/11

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -727.104+/-353.755 χ^2/NDF:13.1/20

Out: 175.819+/-335.086 χ^2/NDF:30.8/25

All: -251.189+/-243.274 χ^2/NDF: 47.3/46



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1213.694+/-0.372 χ^2/NDF:78482.6/6

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: 1207.536+/-0.275 χ^2/NDF: 127137.2/11

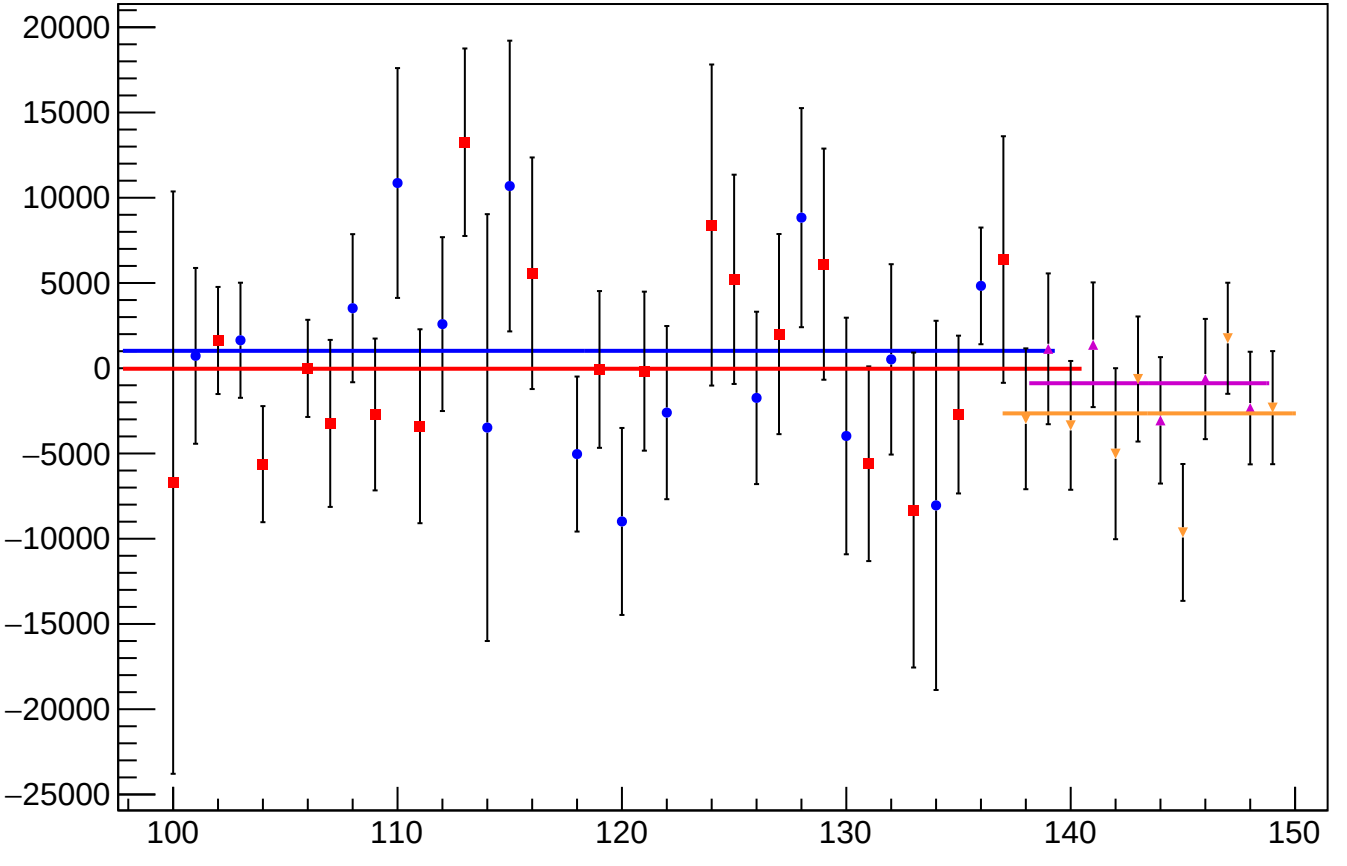
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1188.219+/-0.250 χ^2/NDF:671321.2/20

Out: 1172.677+/-0.237 χ^2/NDF:596608.0/25

All: 1180.025+/-0.172 χ^2/NDF: 1269964.5/46

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2647.949+/-1428.590 χ^2/NDF:5.4/6

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -879.645+/-1642.427 χ^2/NDF:1.1/4

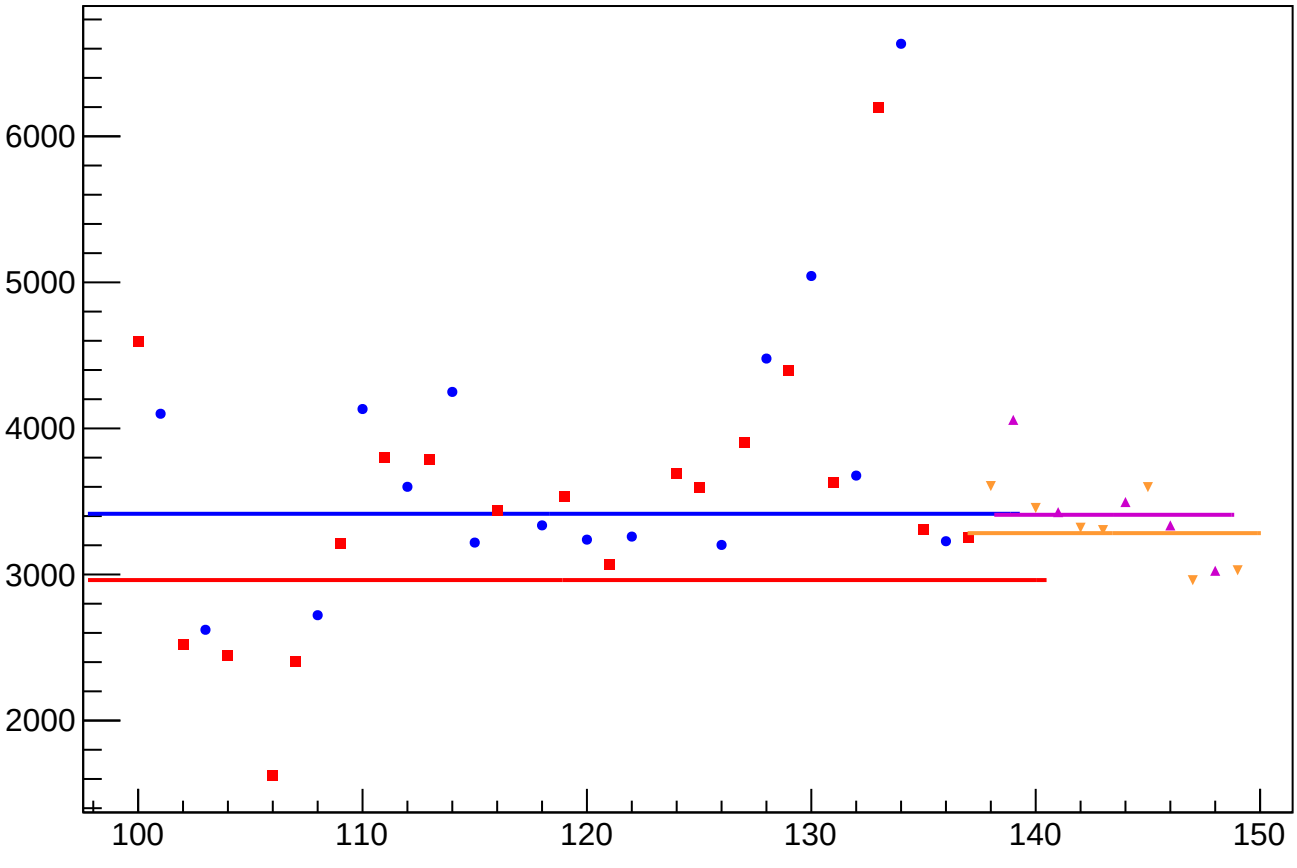
Left: -1886.331+/-1077.894 χ^2/NDF: 7.2/11

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 287.247+/-1020.506 χ^2/NDF:15.8/20

Out: -1038.462+/-886.621 χ^2/NDF:23.6/25

All: -468.219+/-669.301 χ^2/NDF: 40.4/46



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3283.150+/-1.010 χ^2/NDF:60167.3/6

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3408.668+/-1.161 χ^2/NDF:72123.2/4

Left: 3337.211+/-0.762 χ^2/NDF: 138940.2/11

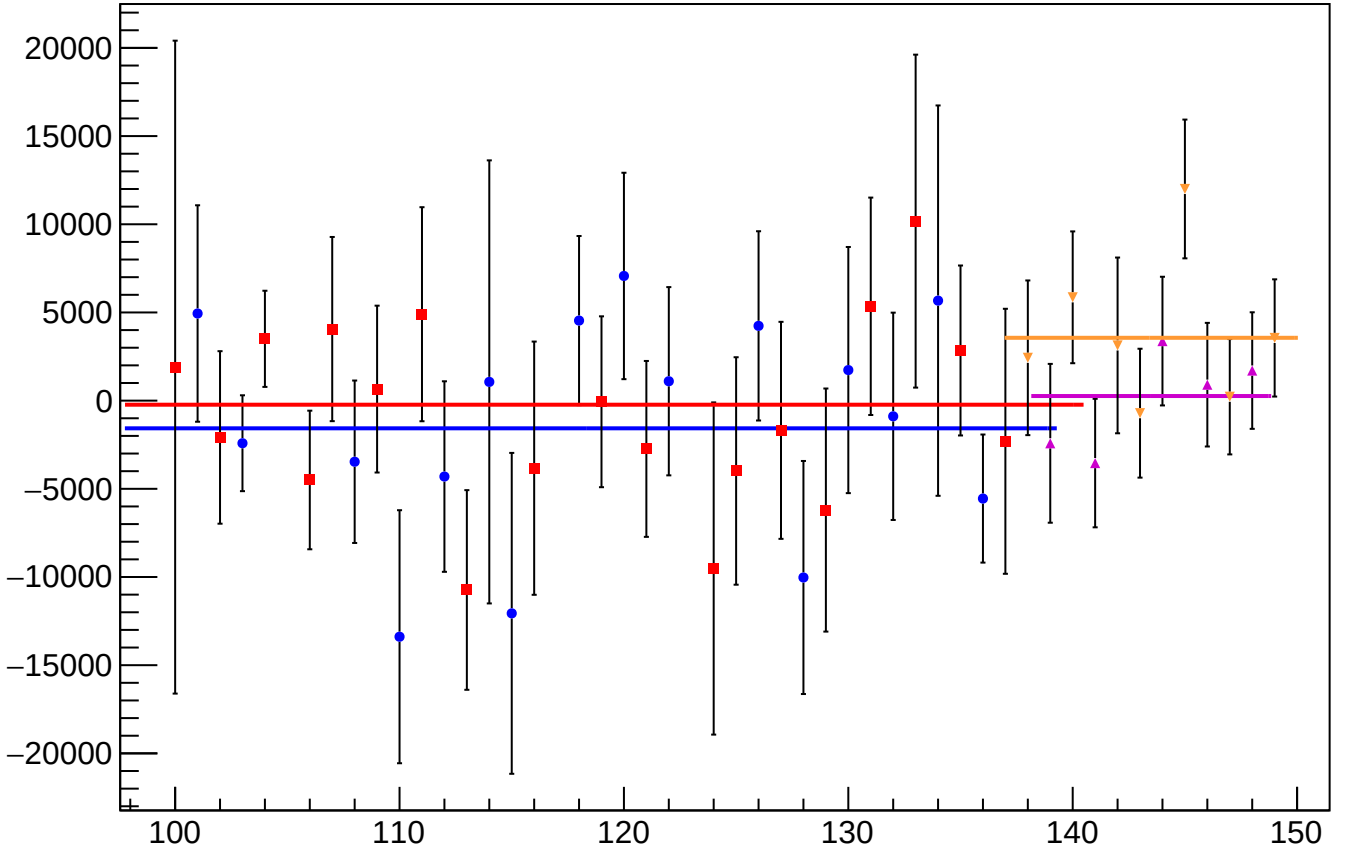
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3412.918+/-0.722 χ^2/NDF:664484.1/20

Out: 3085.573+/-0.627 χ^2/NDF:1291645.7/25

All: 3226.378+/-0.473 χ^2/NDF: 2073397.7/46

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 3562.790+/-1432.280 χ^2/NDF:7.5/6

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: 2132.065+/-1078.169 χ^2/NDF: 12.2/11

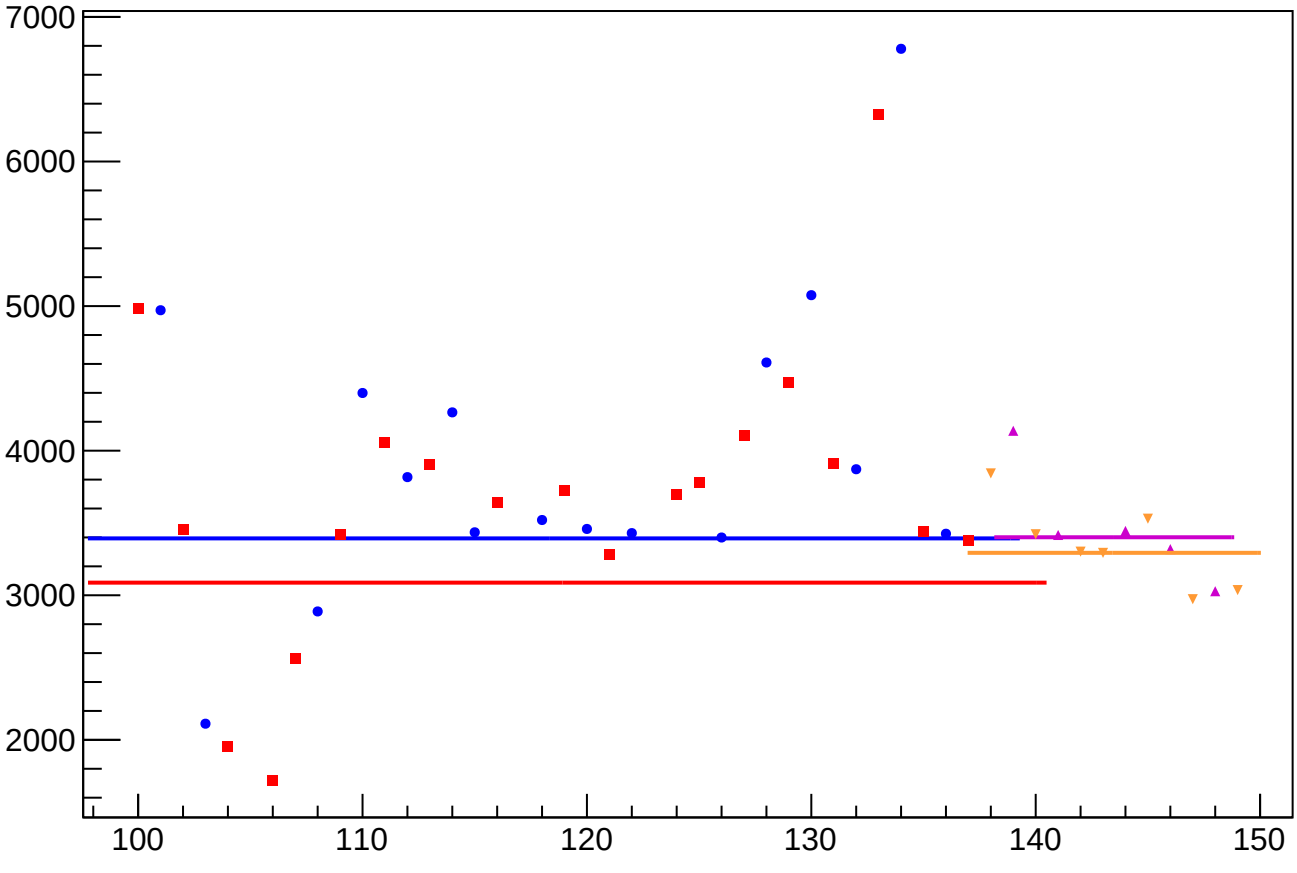
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -853.489+/-1024.416 χ^2/NDF:17.6/20

Out: 1370.649+/-930.646 χ^2/NDF:24.7/25

All: 365.011+/-688.837 χ^2/NDF: 45.0/46

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3293.511+/-1.013 χ^2/NDF:72229.2/6

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3401.192+/-1.158 χ^2/NDF:80436.9/4

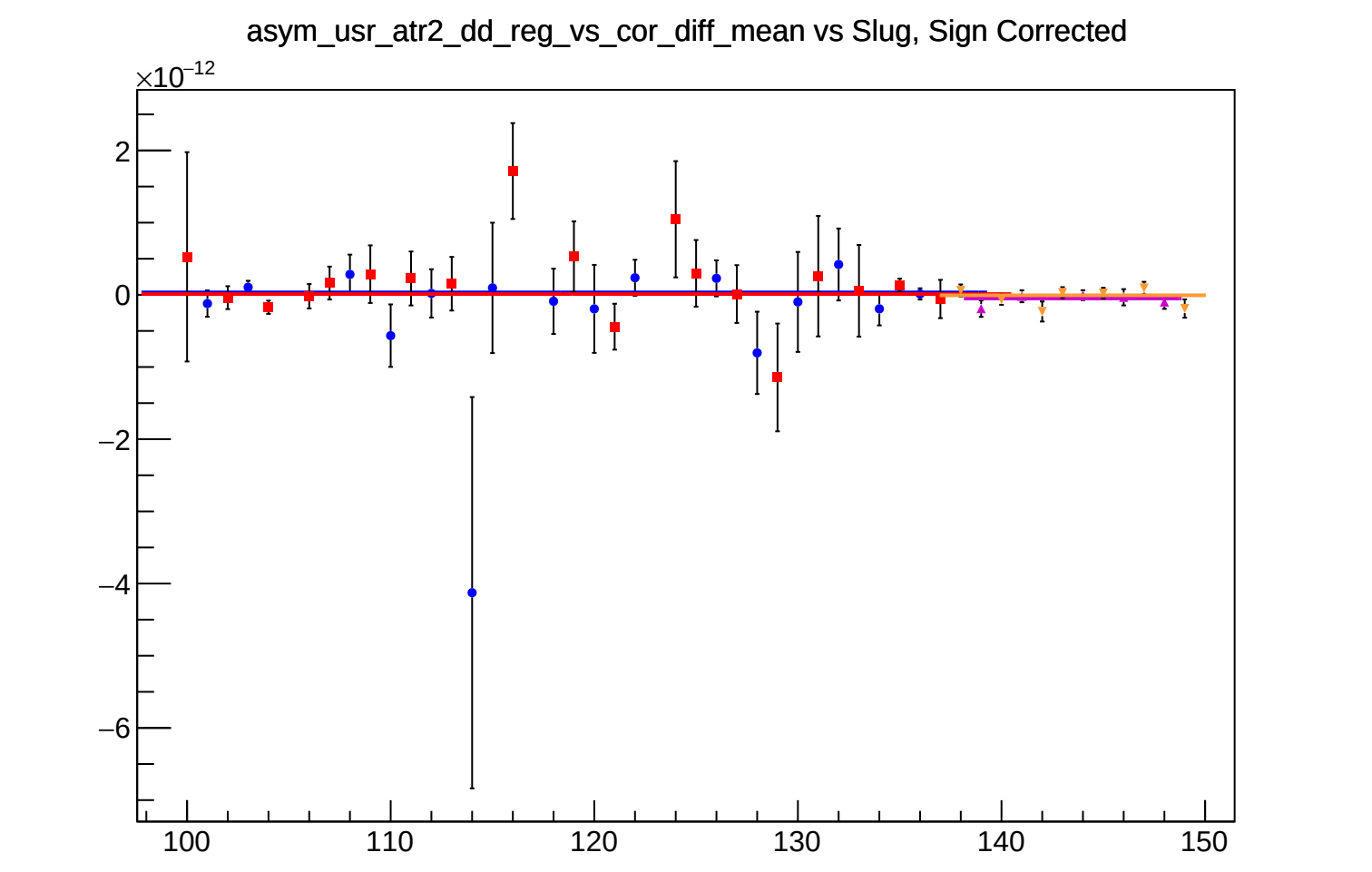
Left: 3340.174+/-0.762 χ^2/NDF: 157564.9/11

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3396.427+/-0.724 χ^2/NDF:1129172.3/20

Out: 3172.671+/-0.652 χ^2/NDF:1424878.4/25

All: 3272.753+/-0.484 χ^2/NDF: 2606789.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/4

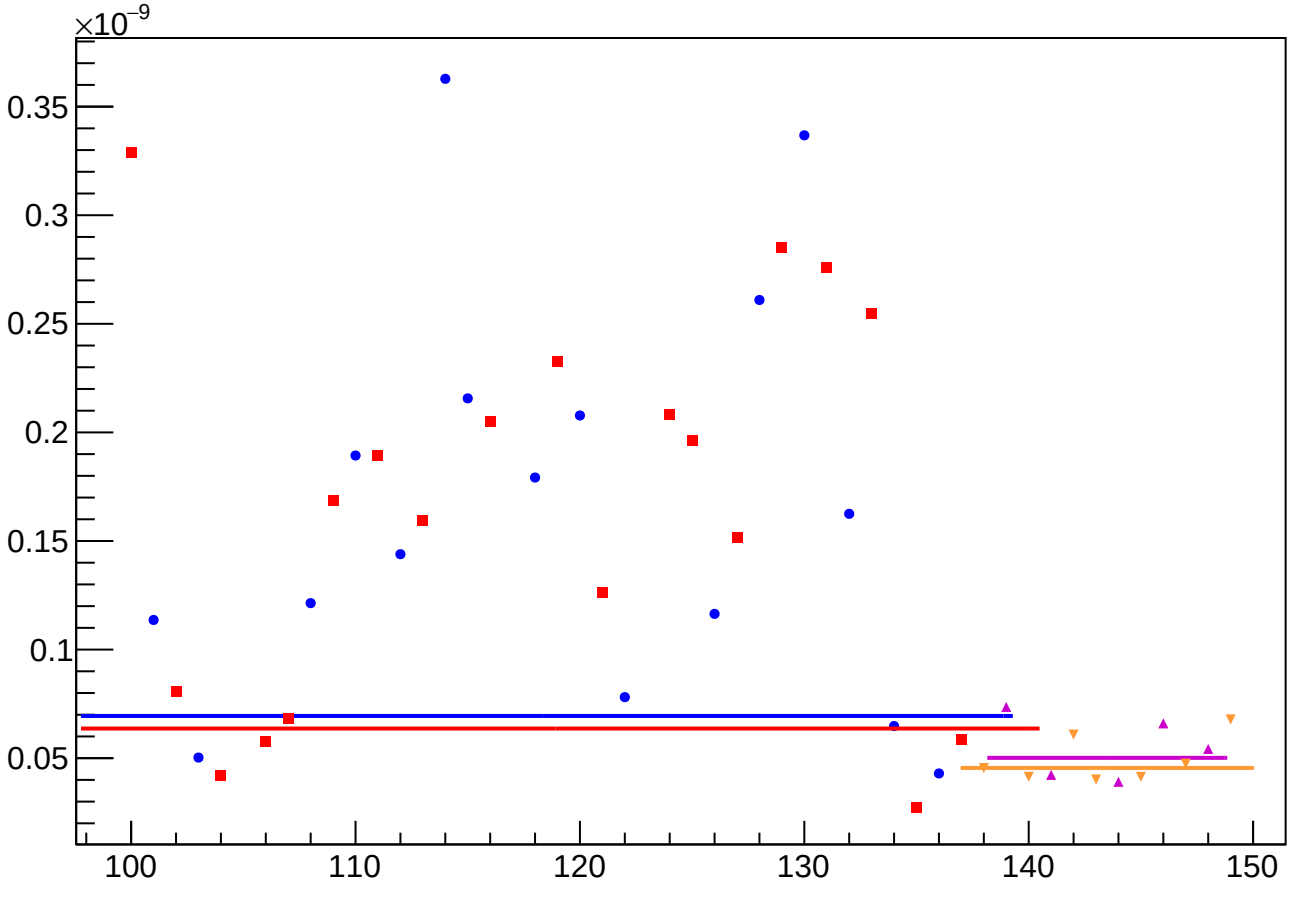
Left: -0.000+/-0.000 χ^2/NDF: 10.8/11

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:16.0/20

Out: -0.000+/-0.000 χ^2/NDF:29.6/25

All: -0.000+/-0.000 χ^2/NDF: 45.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:109239.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:197540.2/4

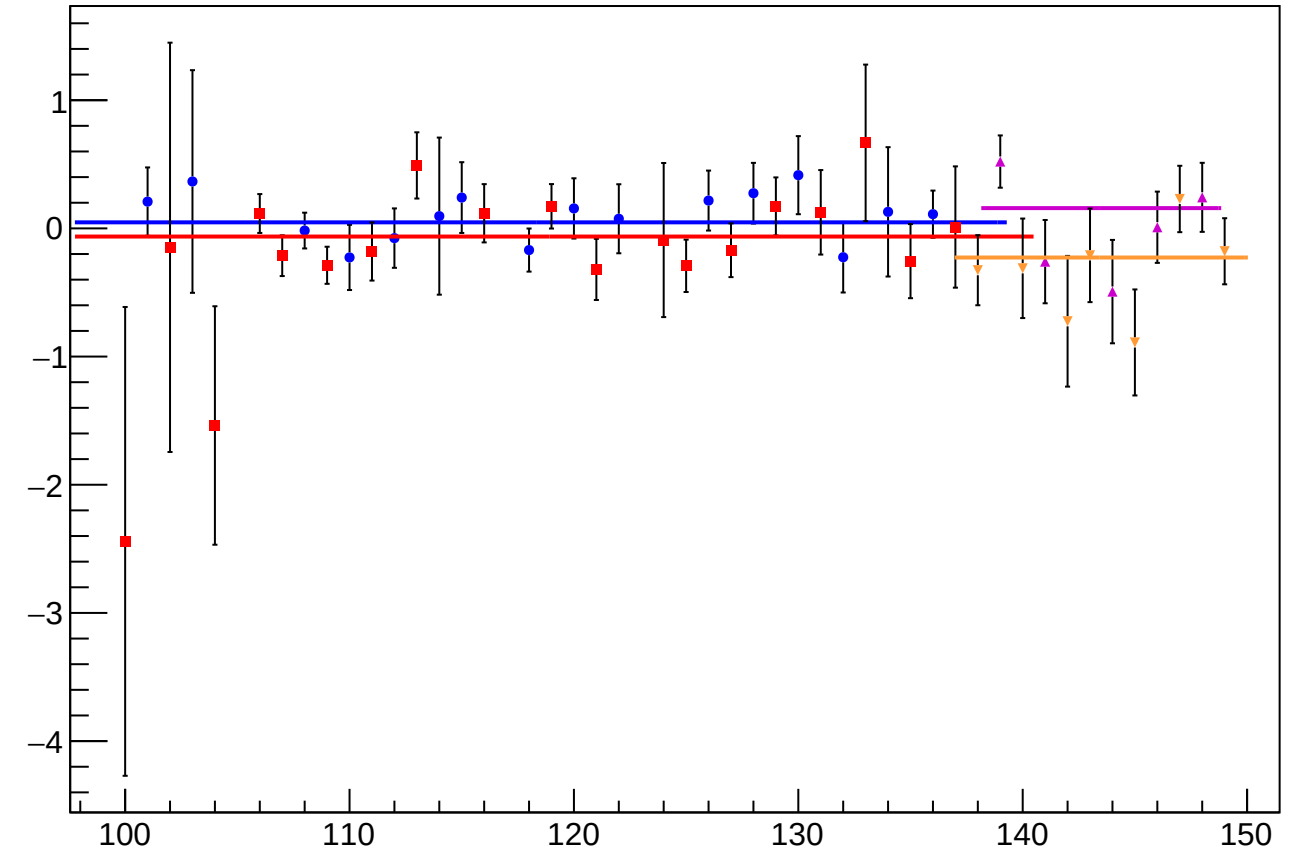
Left: 0.000+/-0.000 χ^2/NDF: 322904.4/11

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:2546026.5/25

All: 0.000+/-0.000 χ^2/NDF: 4713869.3/46



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.227+/-0.122 χ^2/NDF:6.8/6

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.158+/-0.123 χ^2/NDF:7.8/4

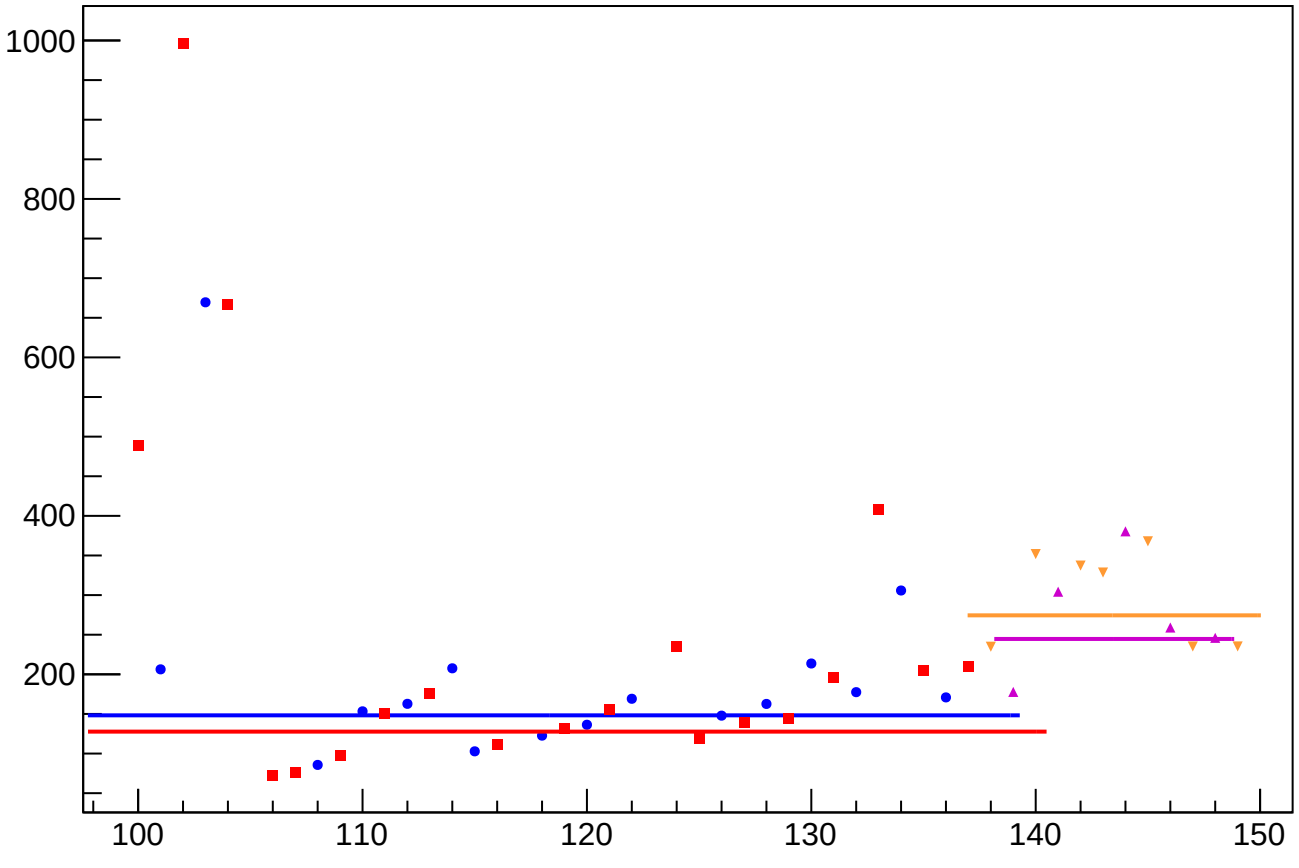
Left: -0.036+/-0.087 χ^2/NDF: 19.6/11

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.054 χ^2/NDF:17.0/20

Out: -0.091+/-0.050 χ^2/NDF:30.6/25

All: -0.017+/-0.037 χ^2/NDF: 52.3/46



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 274.446+/-0.086 χ^2/NDF:389969.3/6

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

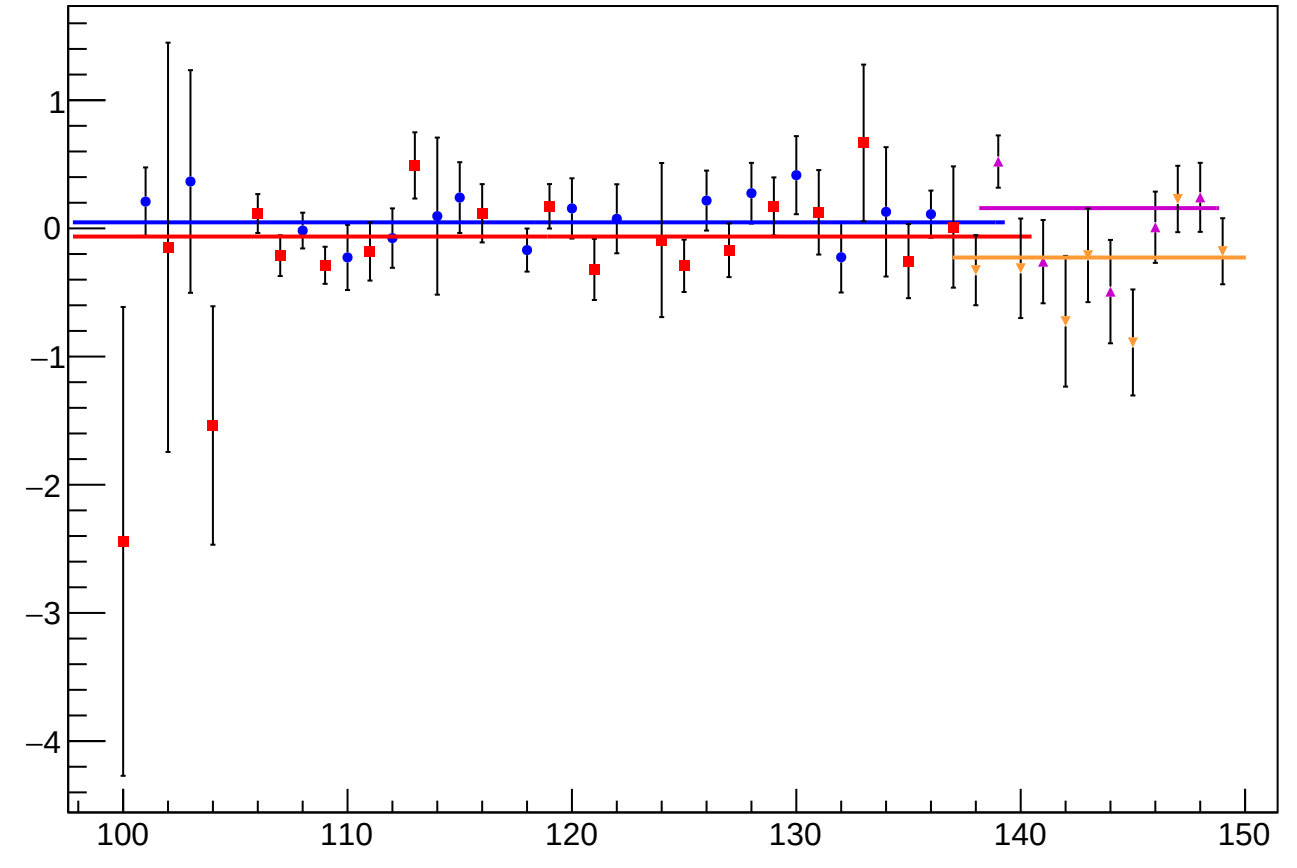
Left: 259.629+/-0.061 χ^2/NDF: 963747.5/11

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 166.852+/-0.038 χ^2/NDF:3220346.1/20

Out: 152.215+/-0.035 χ^2/NDF:5641030.6/25

All: 158.966+/-0.026 χ^2/NDF: 8940771.5/46



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.227+/-0.122 χ^2/NDF:6.8/6

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: -0.036+/-0.087 χ^2/NDF: 19.6/11

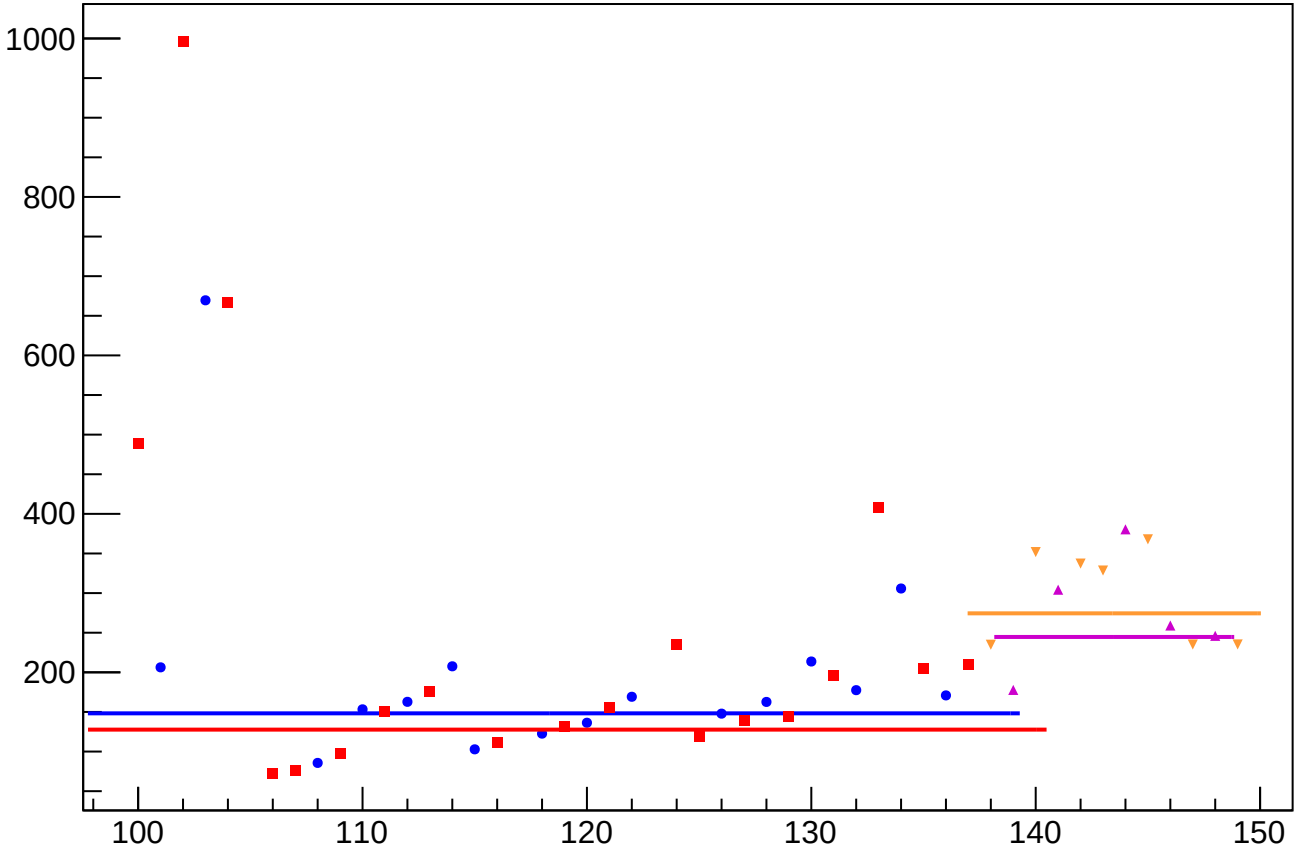
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.054 χ^2/NDF:17.0/20

Out: -0.091+/-0.050 χ^2/NDF:30.6/25

All: -0.017+/-0.037 χ^2/NDF: 52.3/46

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: 274.446+/-0.086 χ^2/NDF:389969.3/6

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.644+/-0.087 χ^2/NDF:514474.5/4

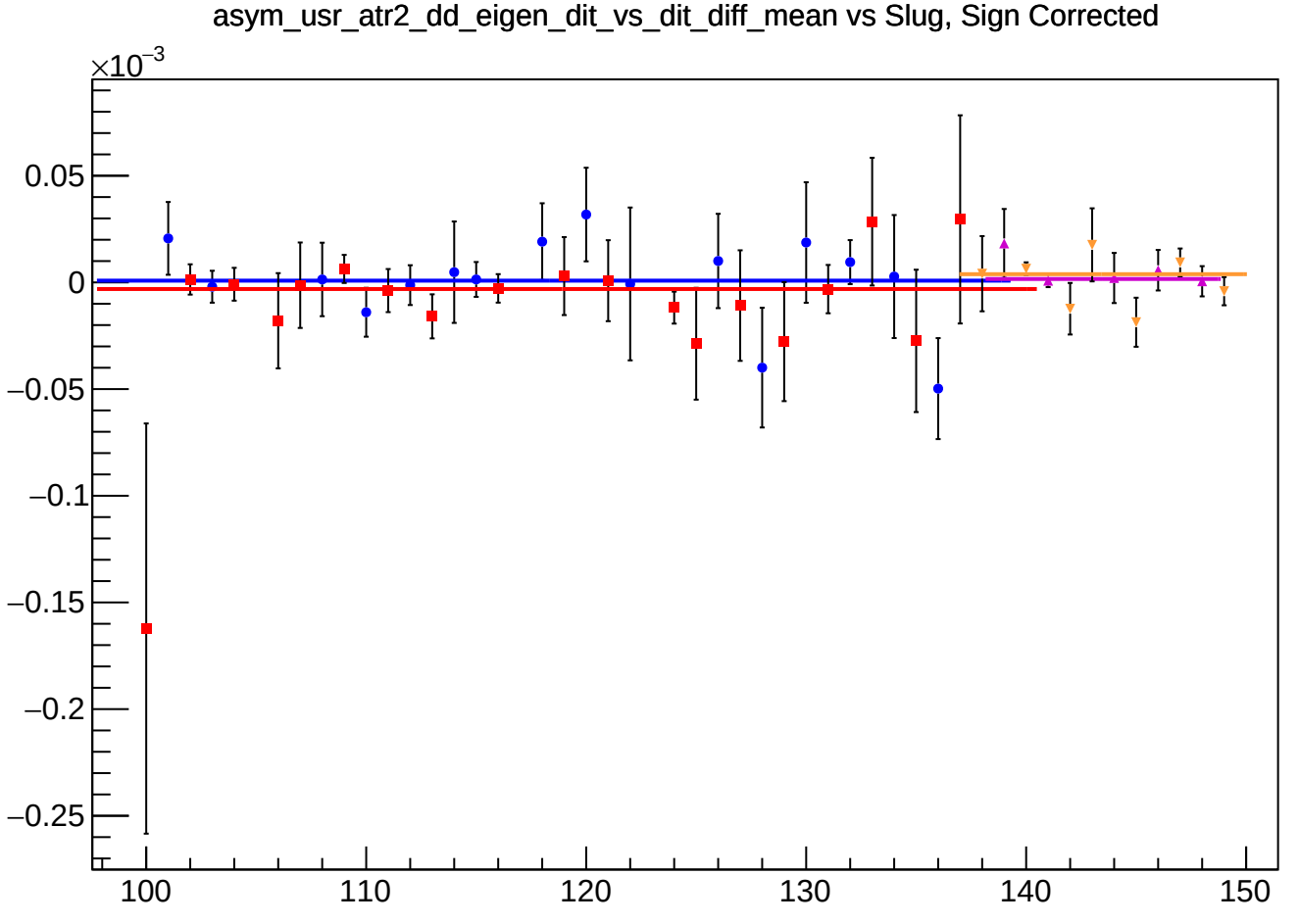
Left: 259.629+/-0.061 χ^2/NDF: 963747.5/11

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 166.852+/-0.038 χ^2/NDF:3220346.1/20

Out: 152.215+/-0.035 χ^2/NDF:5641030.6/25

All: 158.966+/-0.026 χ^2/NDF: 8940771.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

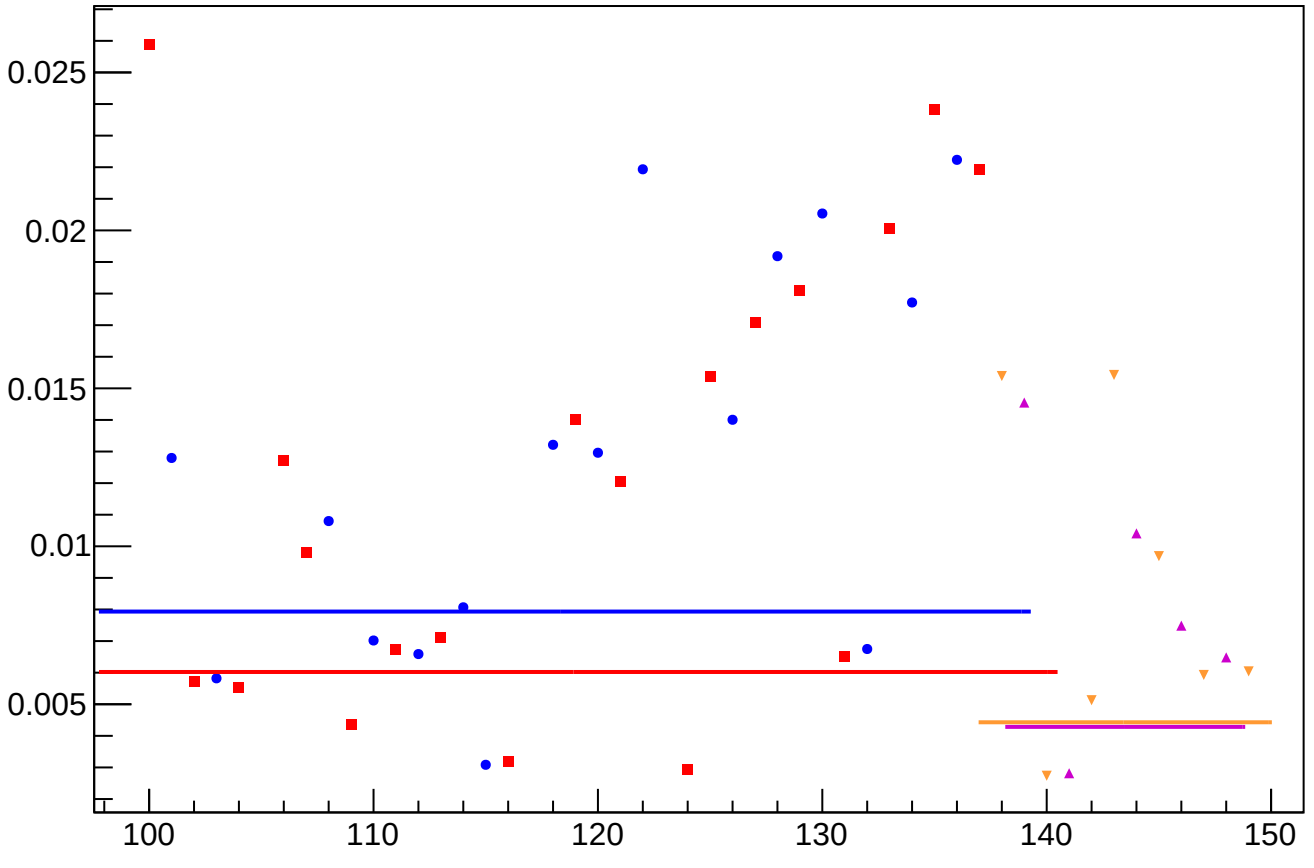
Left: 0.000+/-0.000 χ^2/NDF: 10.9/11

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:25.7/25

All: 0.000+/-0.000 χ^2/NDF: 41.4/46



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2888191.7/6

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:2249069.4/4

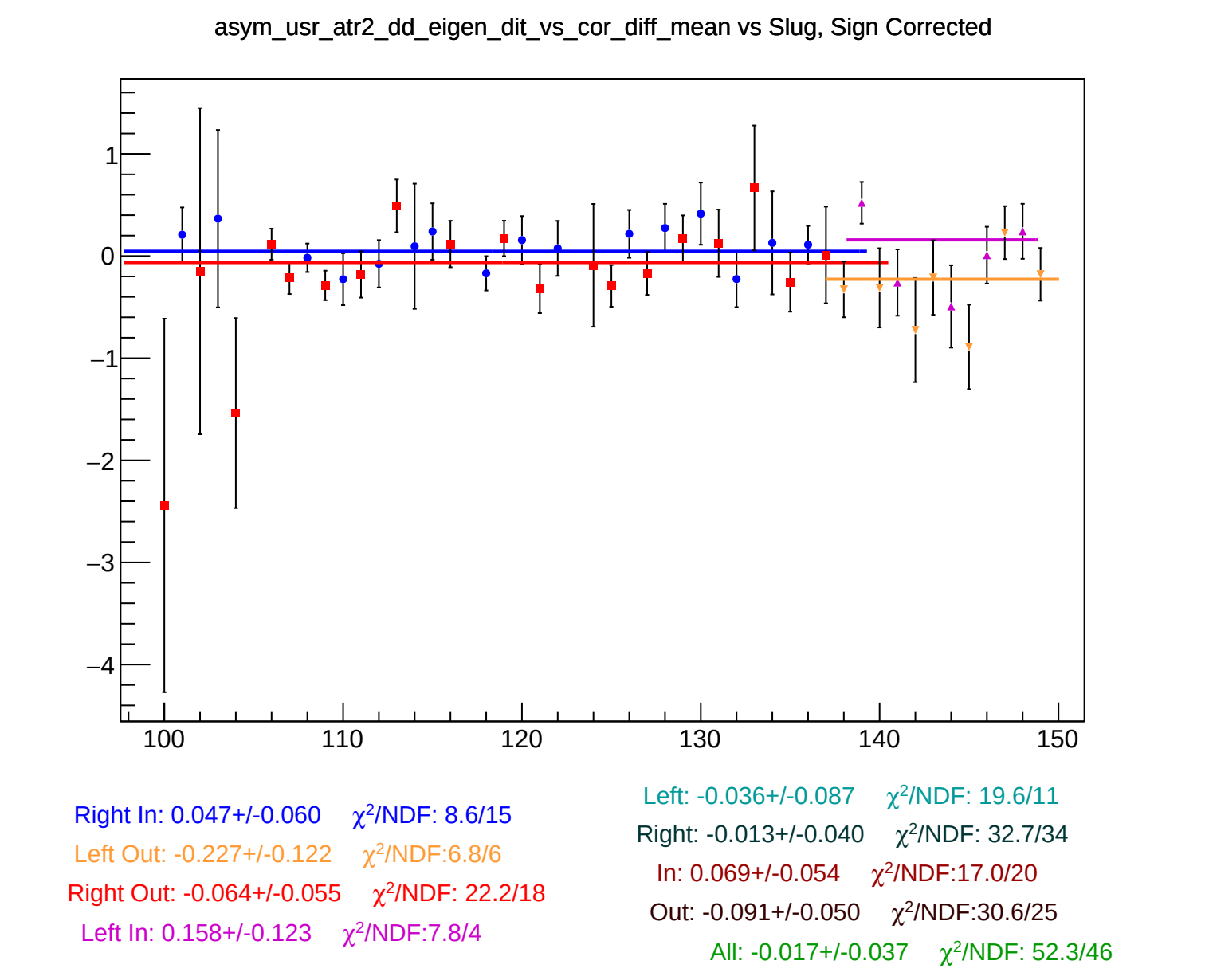
Left: 0.004+/-0.000 χ^2/NDF: 5140756.6/11

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

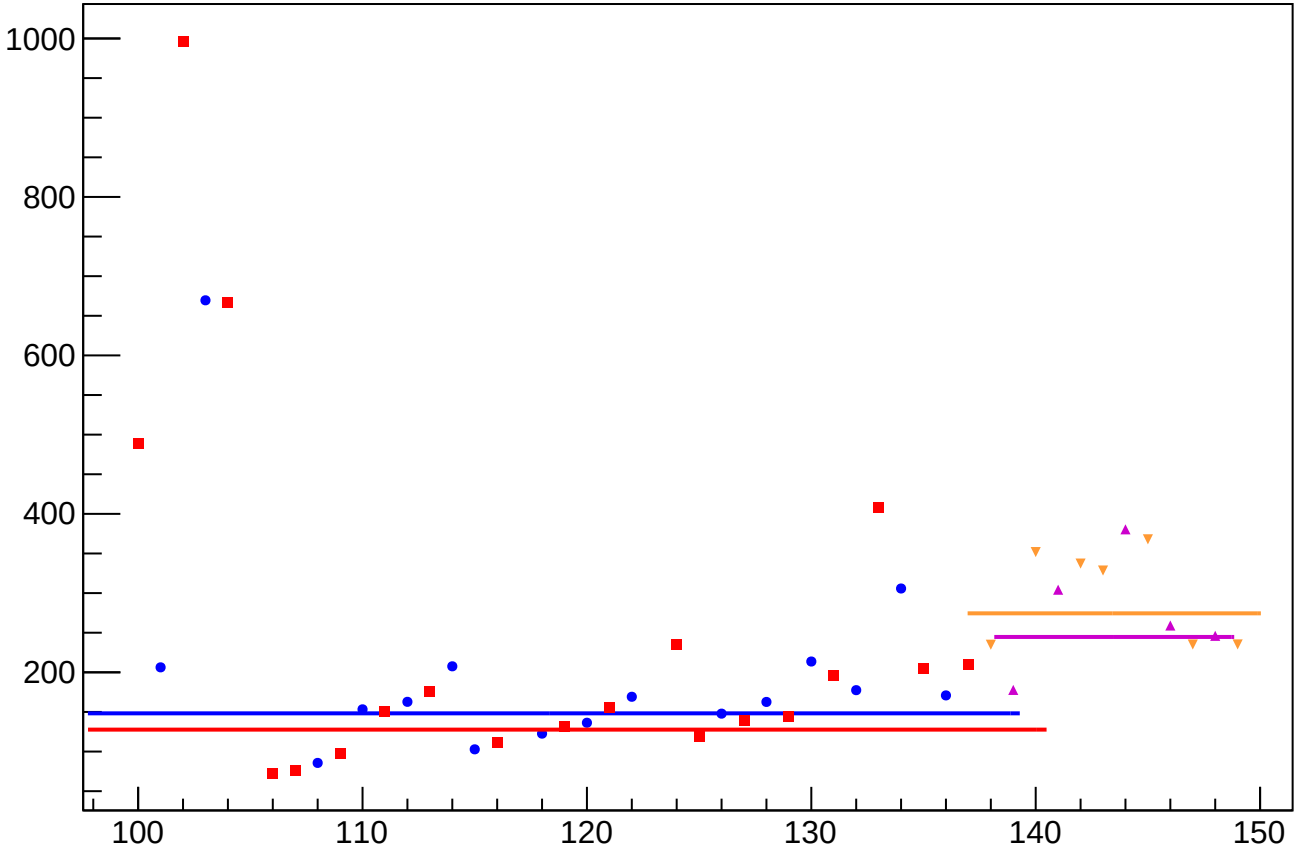
In: 0.006+/-0.000 χ^2/NDF:7266153.1/20

Out: 0.005+/-0.000 χ^2/NDF:7302893.8/25

All: 0.005+/-0.000 χ^2/NDF: 14620281.7/46


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: -0.227+/-0.122 χ²/NDF:6.8/6
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.158+/-0.123 χ²/NDF:7.8/4
Left: -0.036+/-0.087 χ²/NDF: 19.6/11
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.069+/-0.054 χ²/NDF:17.0/20
Out: -0.091+/-0.050 χ²/NDF:30.6/25
All: -0.017+/-0.037 χ²/NDF: 52.3/46

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 274.450+/-0.086 χ^2/NDF:389946.1/6

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

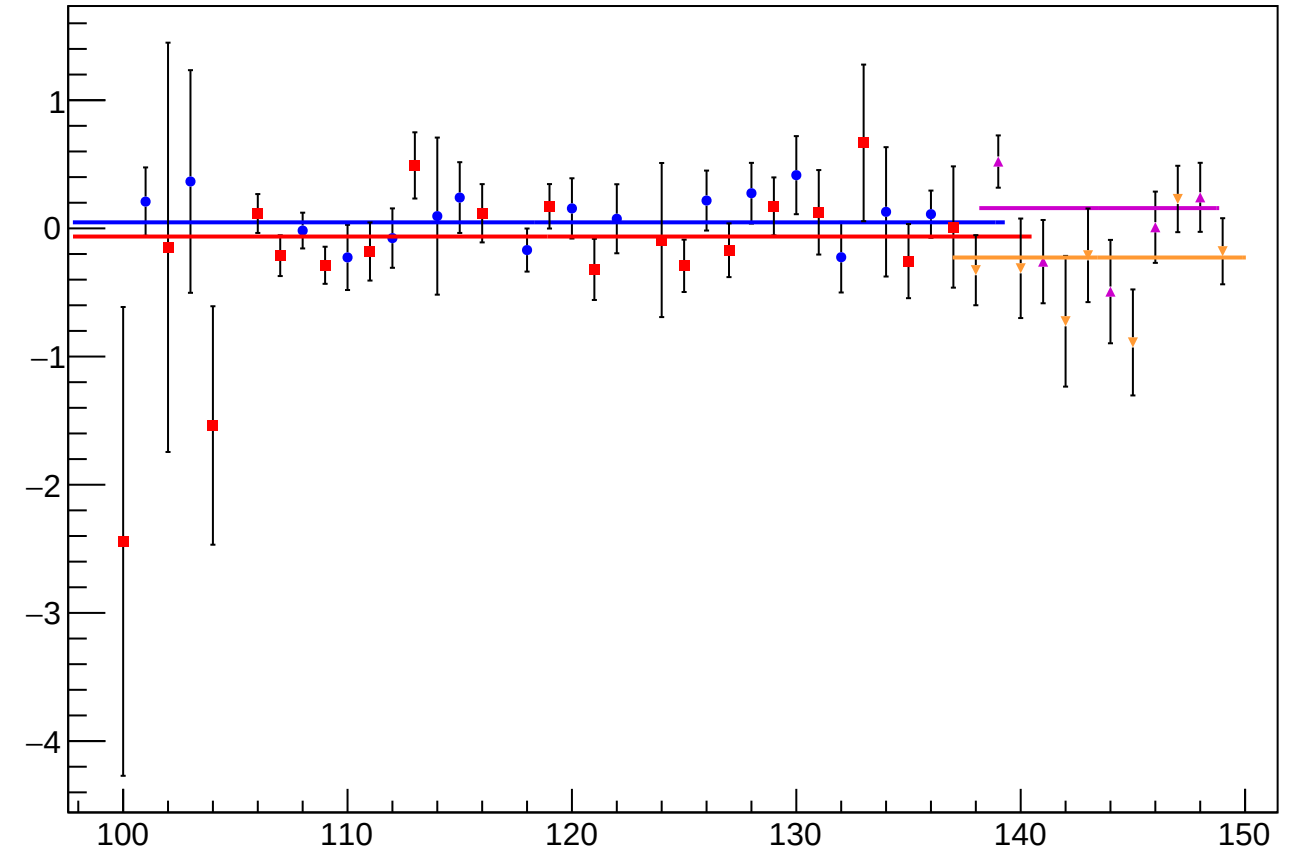
Left: 259.633+/-0.061 χ^2/NDF: 963704.4/11

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 166.850+/-0.038 χ^2/NDF:3220509.7/20

Out: 152.215+/-0.035 χ^2/NDF:5641080.1/25

All: 158.965+/-0.026 χ^2/NDF: 8940960.5/46



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.227+/-0.122 χ^2/NDF:6.8/6

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: -0.036+/-0.087 χ^2/NDF: 19.6/11

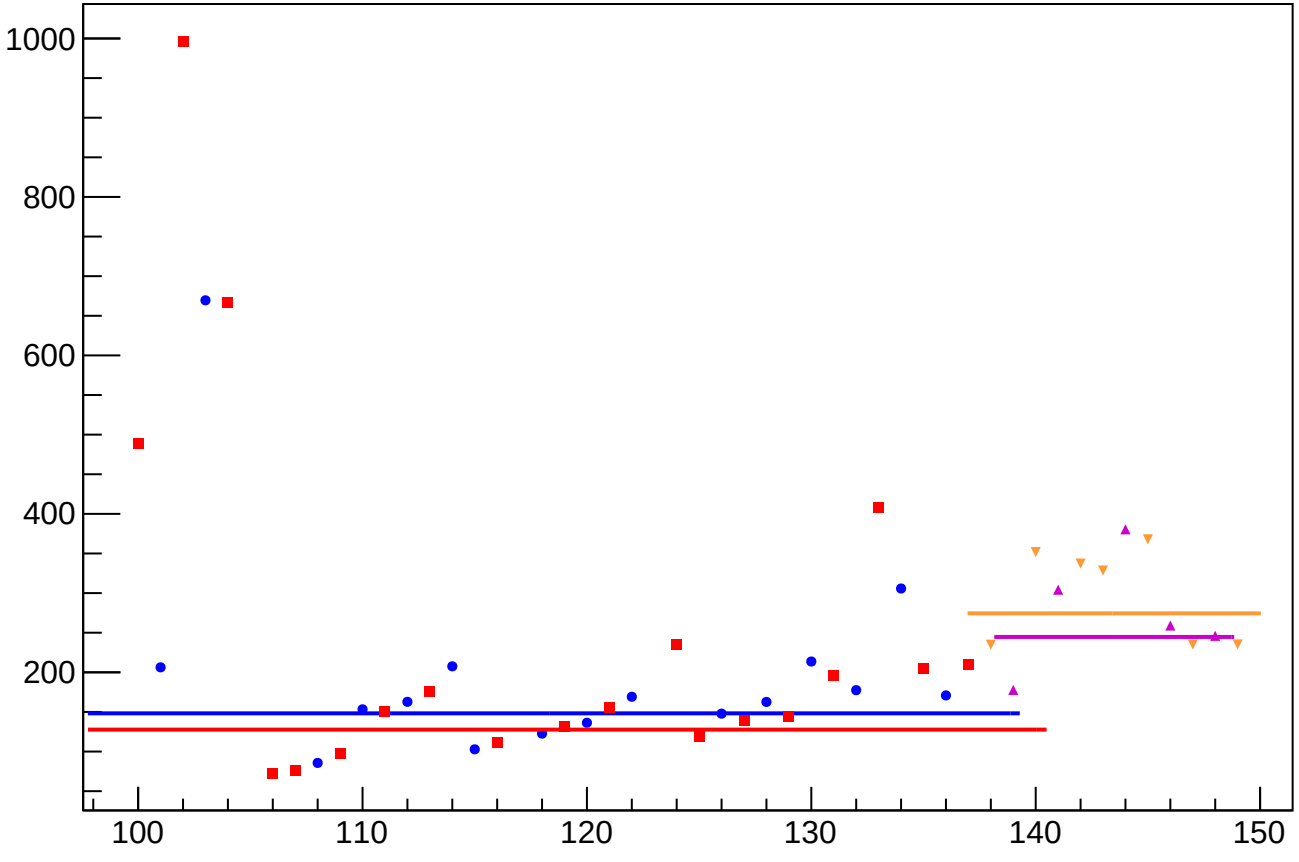
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.069+/-0.054 χ^2/NDF:17.0/20

Out: -0.091+/-0.050 χ^2/NDF:30.6/25

All: -0.017+/-0.037 χ^2/NDF: 52.3/46

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: 274.450+/-0.086 χ^2/NDF:389946.1/6

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.647+/-0.087 χ^2/NDF:514452.9/4

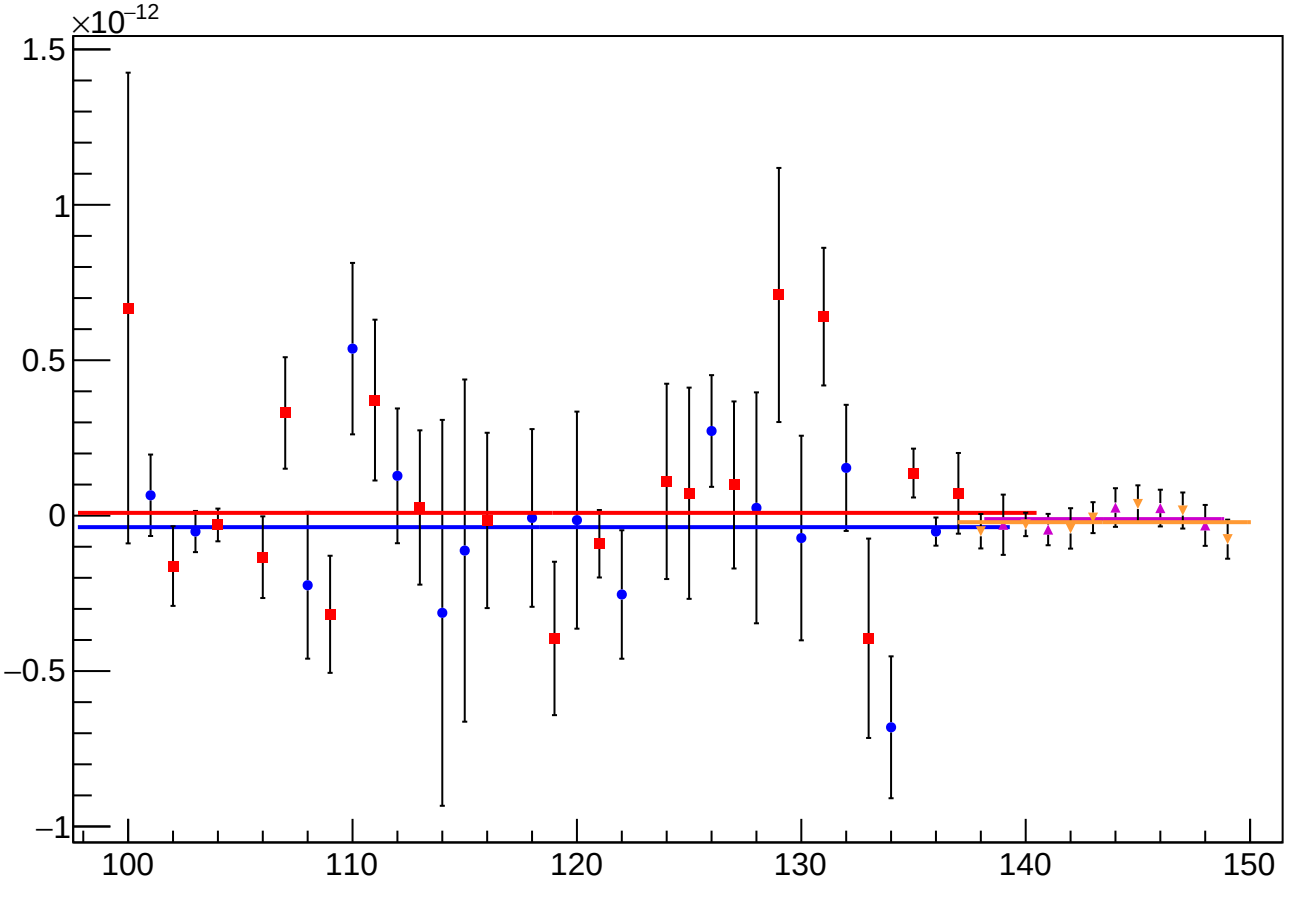
Left: 259.633+/-0.061 χ^2/NDF: 963704.4/11

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 166.850+/-0.038 χ^2/NDF:3220509.7/20

Out: 152.215+/-0.035 χ^2/NDF:5641080.1/25

All: 158.965+/-0.026 χ^2/NDF: 8940960.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

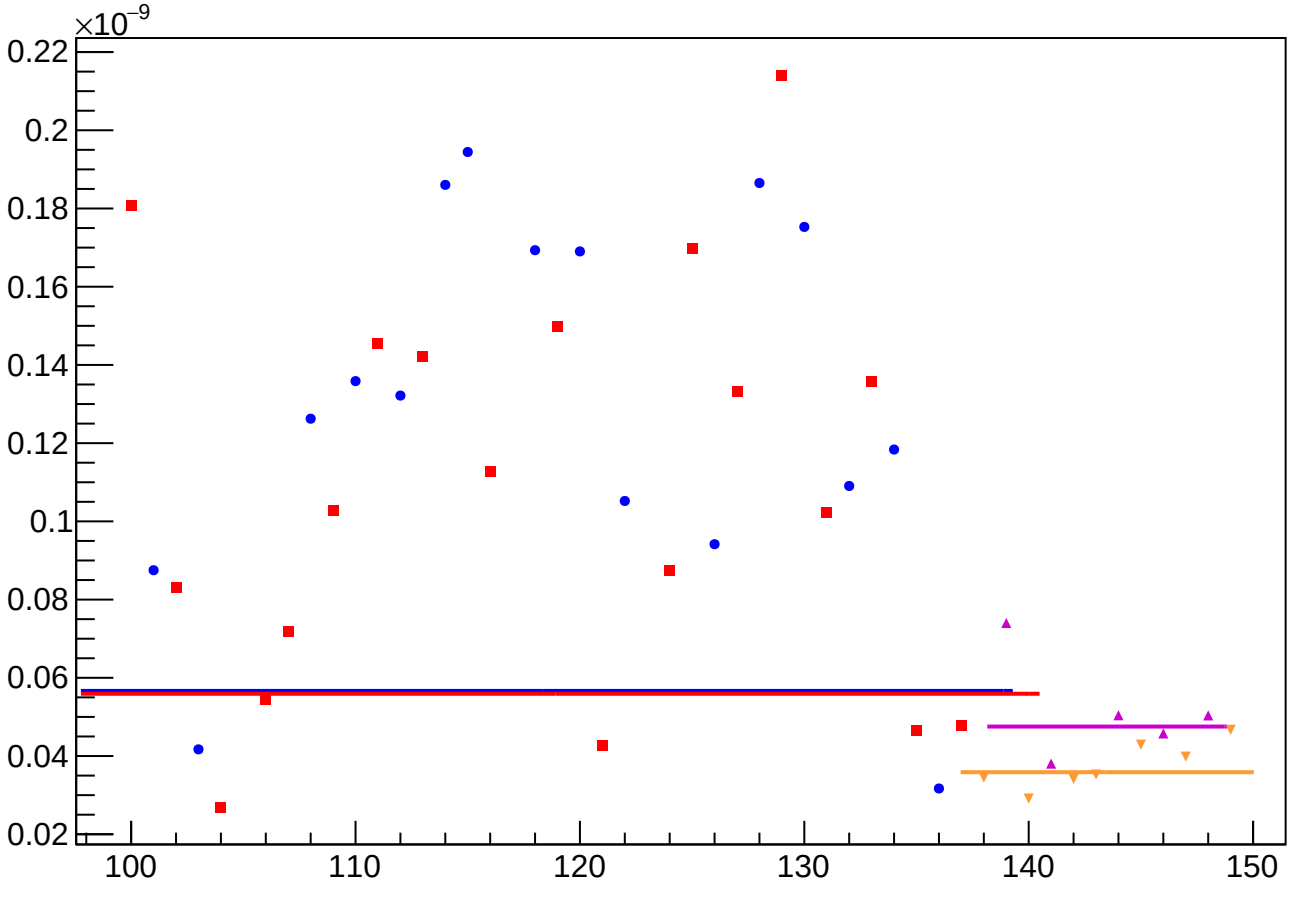
Left: -0.000+/-0.000 χ^2/NDF: 4.0/11

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:35.0/25

All: -0.000+/-0.000 χ^2/NDF: 56.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:163609.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:229699.8/4

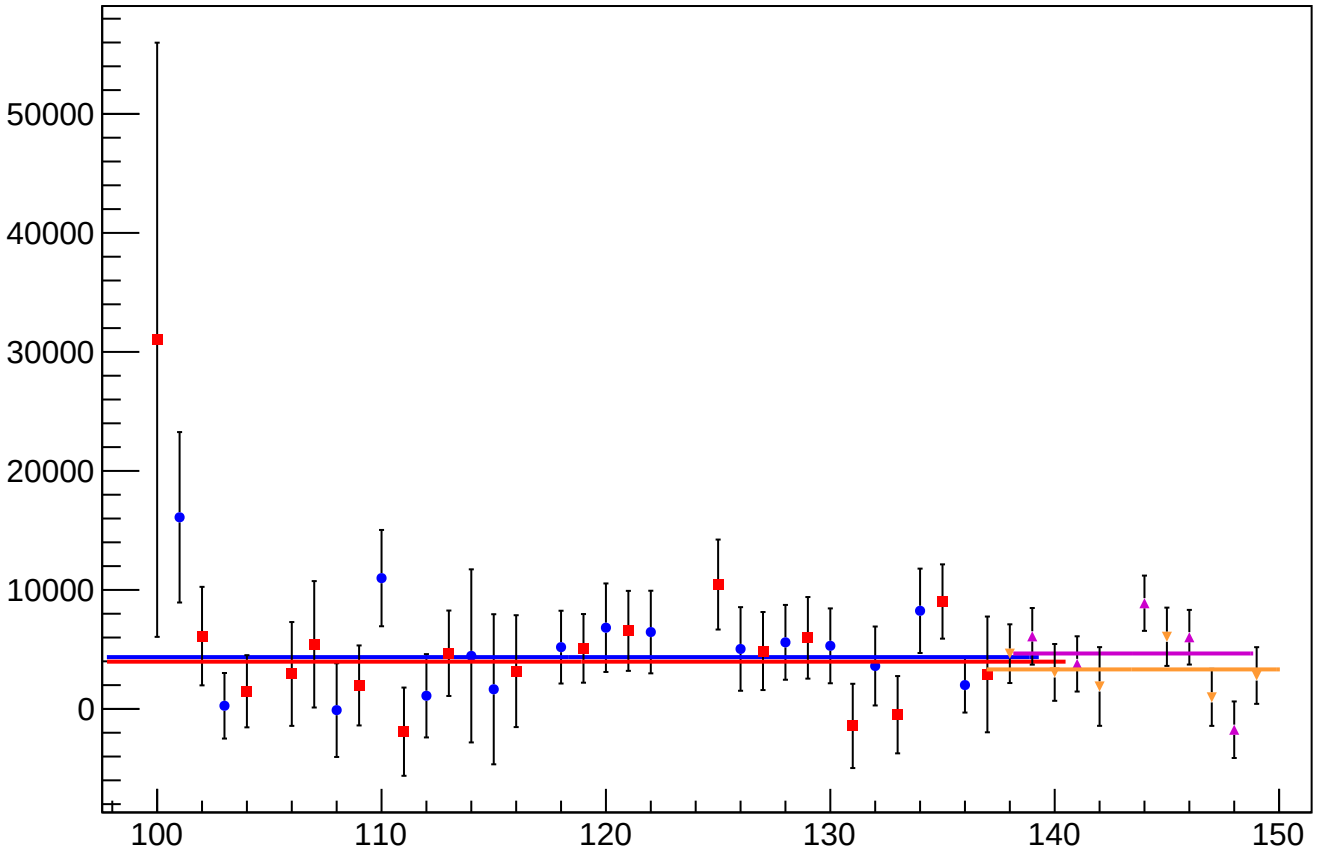
Left: 0.000+/-0.000 χ^2/NDF: 623202.9/11

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:3461156.6/25

All: 0.000+/-0.000 χ^2/NDF: 7166235.6/46



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3320.973+/-1026.737 χ^2/NDF:2.7/5

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4659.149+/-1045.889 χ^2/NDF:11.4/4

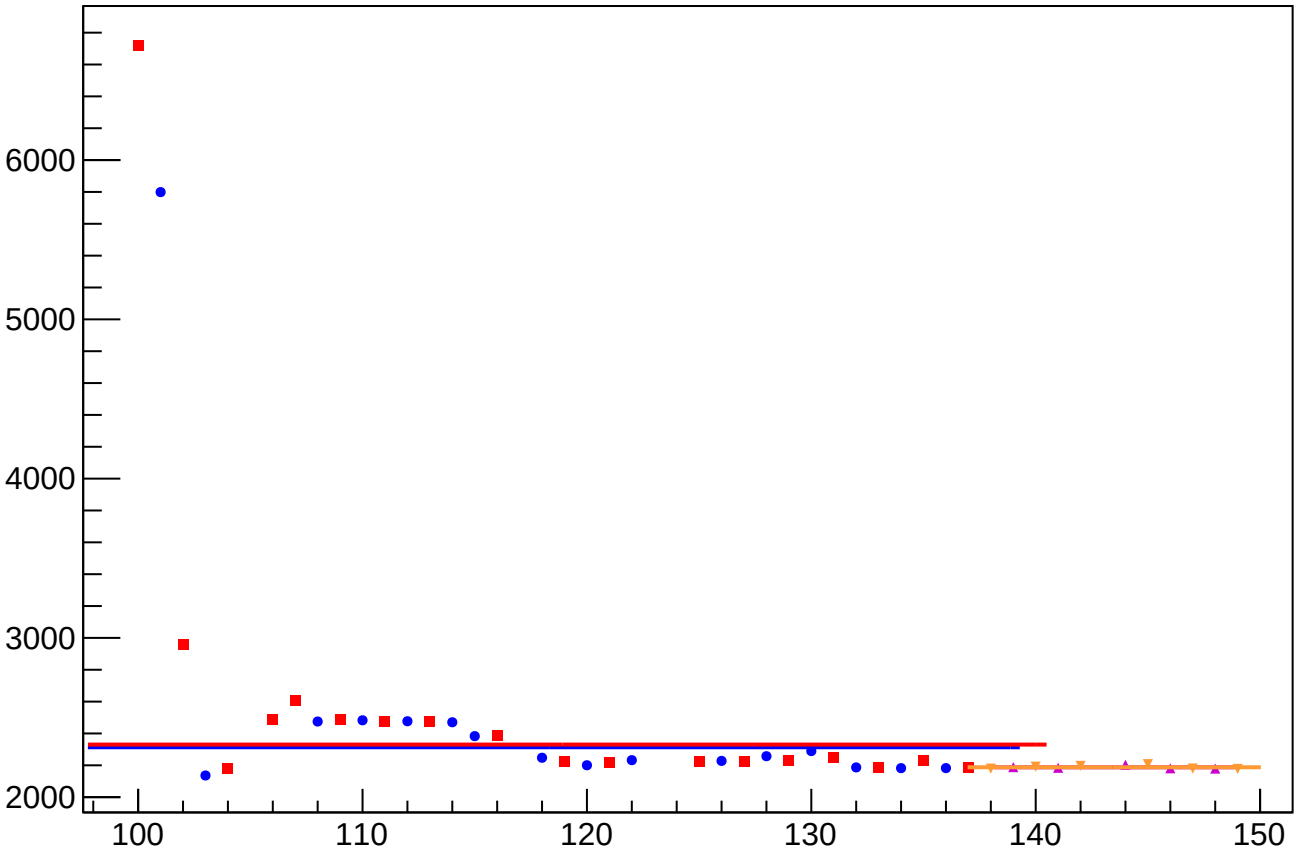
Left: 3977.697+/-732.690 χ^2/NDF: 15.0/10

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4479.873+/-671.181 χ^2/NDF:24.9/20

Out: 3699.258+/-664.335 χ^2/NDF:19.1/23

All: 4085.564+/-472.158 χ^2/NDF: 44.7/44



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.804+/-0.726 χ^2/NDF:229.5/5

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

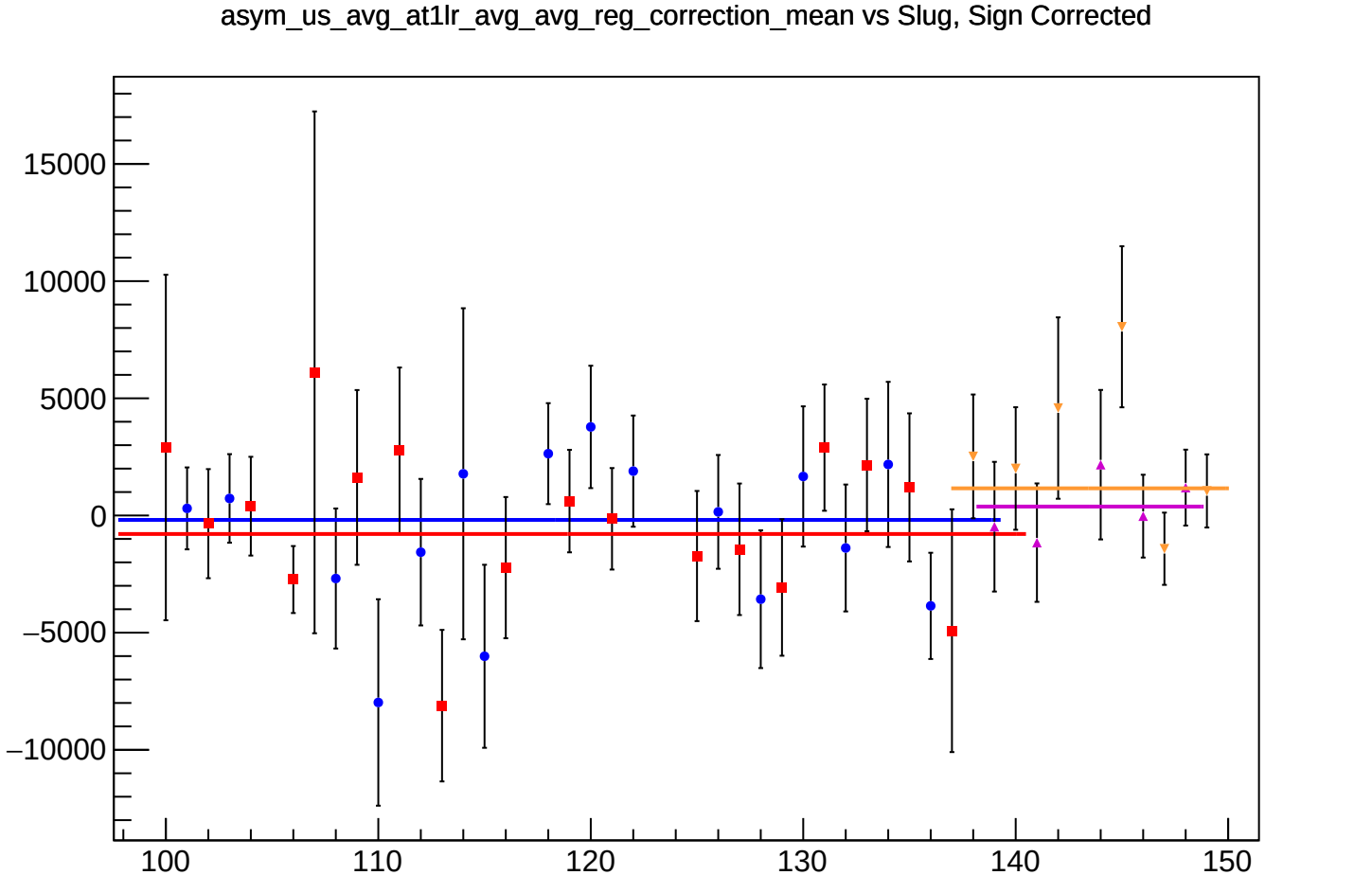
Left: 2187.702+/-0.518 χ^2/NDF: 367.8/10

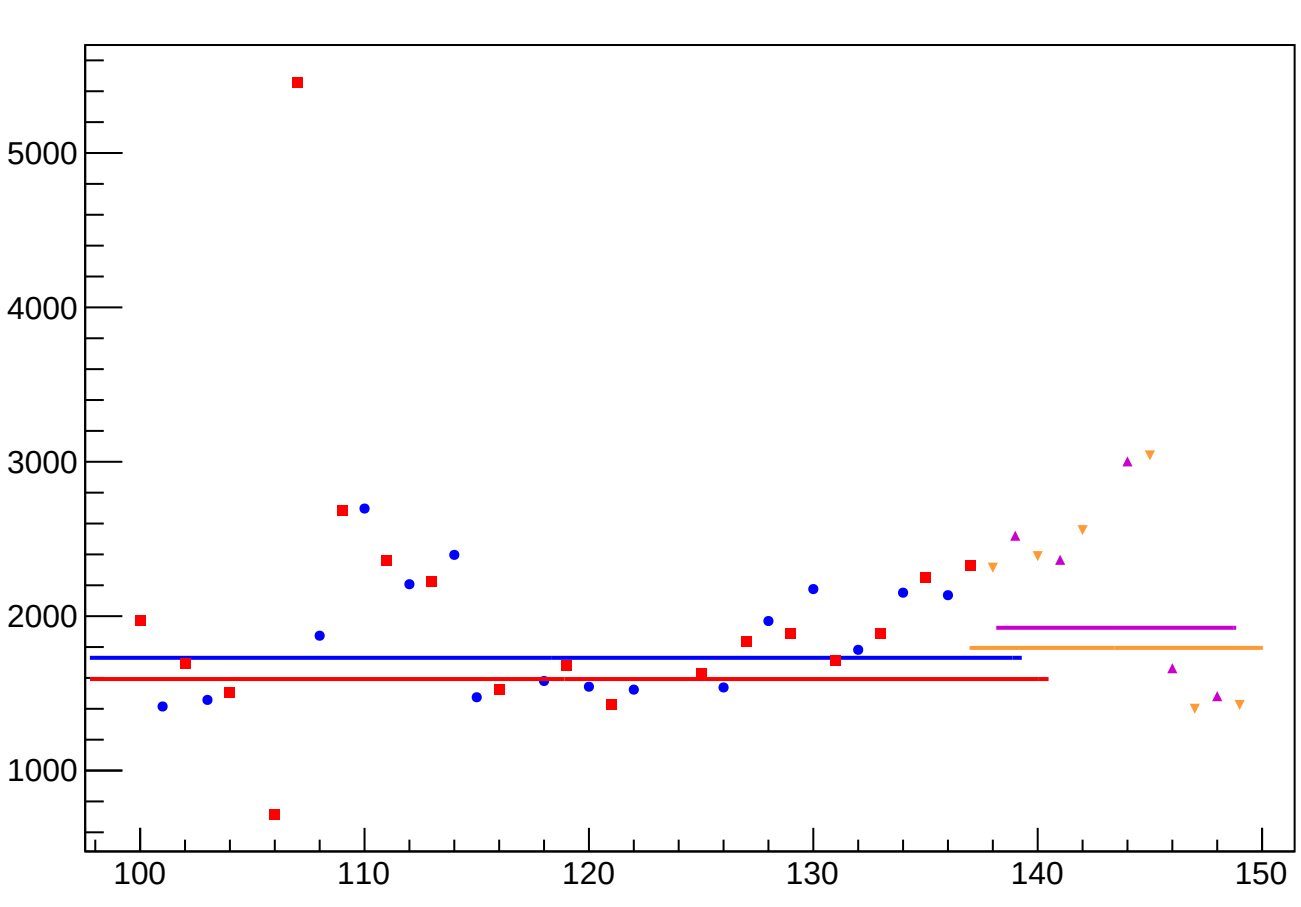
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2261.599+/-0.475 χ^2/NDF:529533.7/20

Out: 2270.586+/-0.470 χ^2/NDF:173803.7/23

All: 2266.138+/-0.334 χ^2/NDF: 703518.6/44


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: 1159.180+/-886.350 χ²/NDF:8.0/5
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 380.456+/-959.057 χ²/NDF:1.1/4
Left: 800.451+/-650.932 χ²/NDF: 9.4/10
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: -6.382+/-542.764 χ²/NDF:17.8/20
Out: -128.574+/-516.145 χ²/NDF:26.1/23
All: -70.548+/-374.026 χ²/NDF: 43.9/44



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1794.524+/-0.627 χ^2/NDF:764578.0/5

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1924.830+/-0.678 χ^2/NDF:575747.3/4

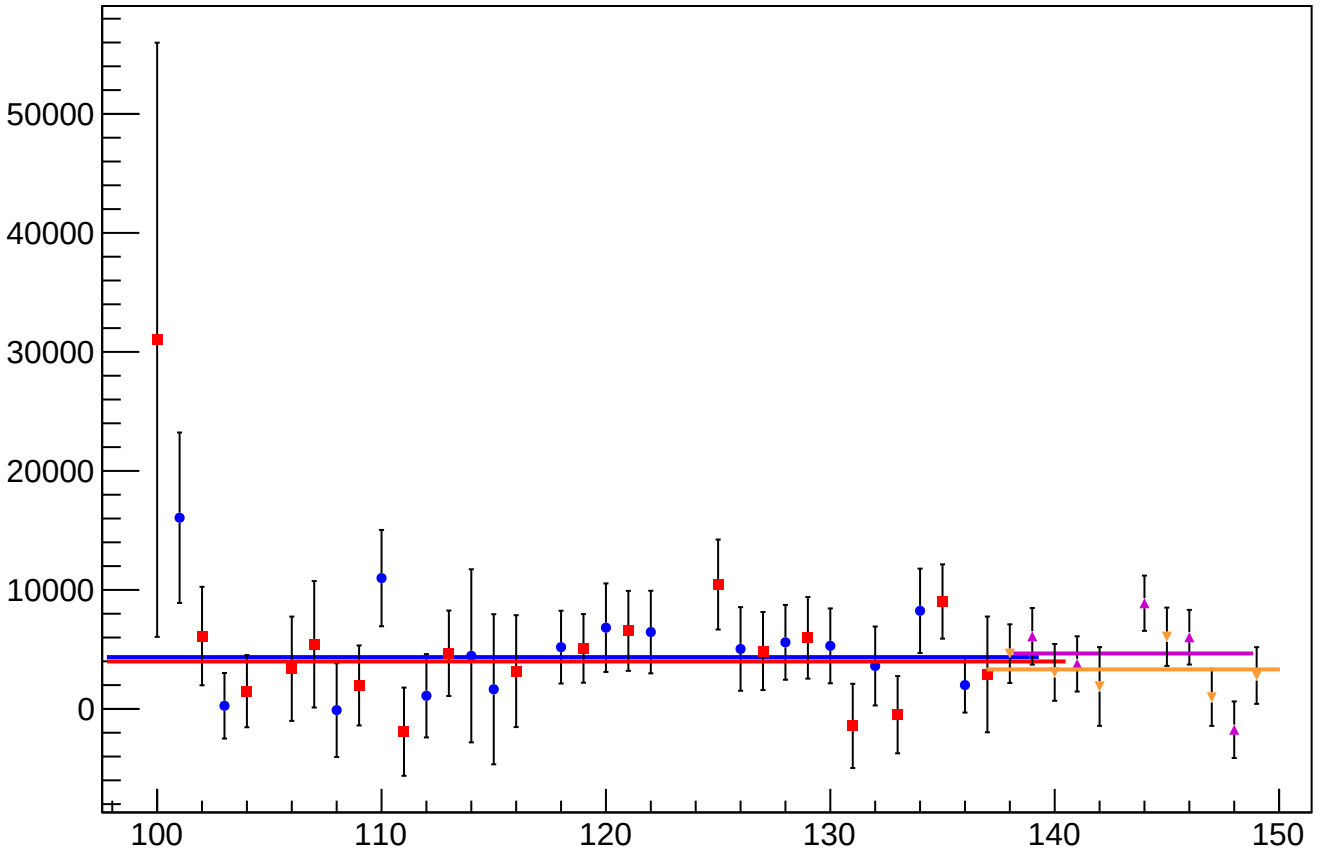
Left: 1854.551+/-0.460 χ^2/NDF: 1360238.2/10

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1792.596+/-0.384 χ^2/NDF:1110616.3/20

Out: 1661.221+/-0.365 χ^2/NDF:2389231.0/23

All: 1723.608+/-0.264 χ^2/NDF: 3561378.2/44



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3320.736+/-1026.737 χ^2/NDF:2.8/5

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4659.455+/-1045.889 χ^2/NDF:11.4/4

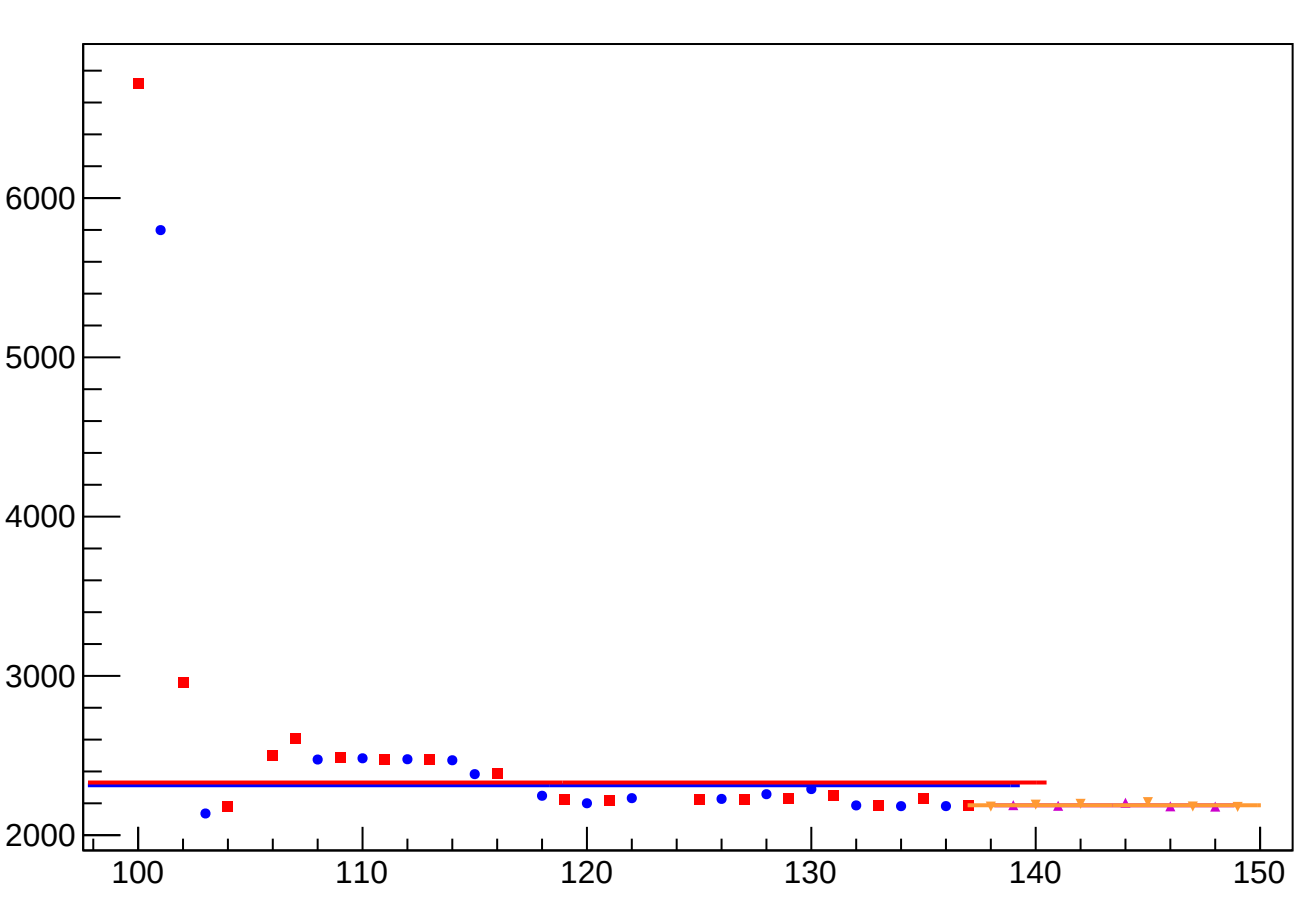
Left: 3977.726+/-732.690 χ^2/NDF: 15.0/10

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4479.599+/-671.181 χ^2/NDF:24.8/20

Out: 3709.686+/-664.402 χ^2/NDF:19.1/23

All: 4090.734+/-472.182 χ^2/NDF: 44.6/44



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.804+/-0.726 χ^2/NDF:229.5/5

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

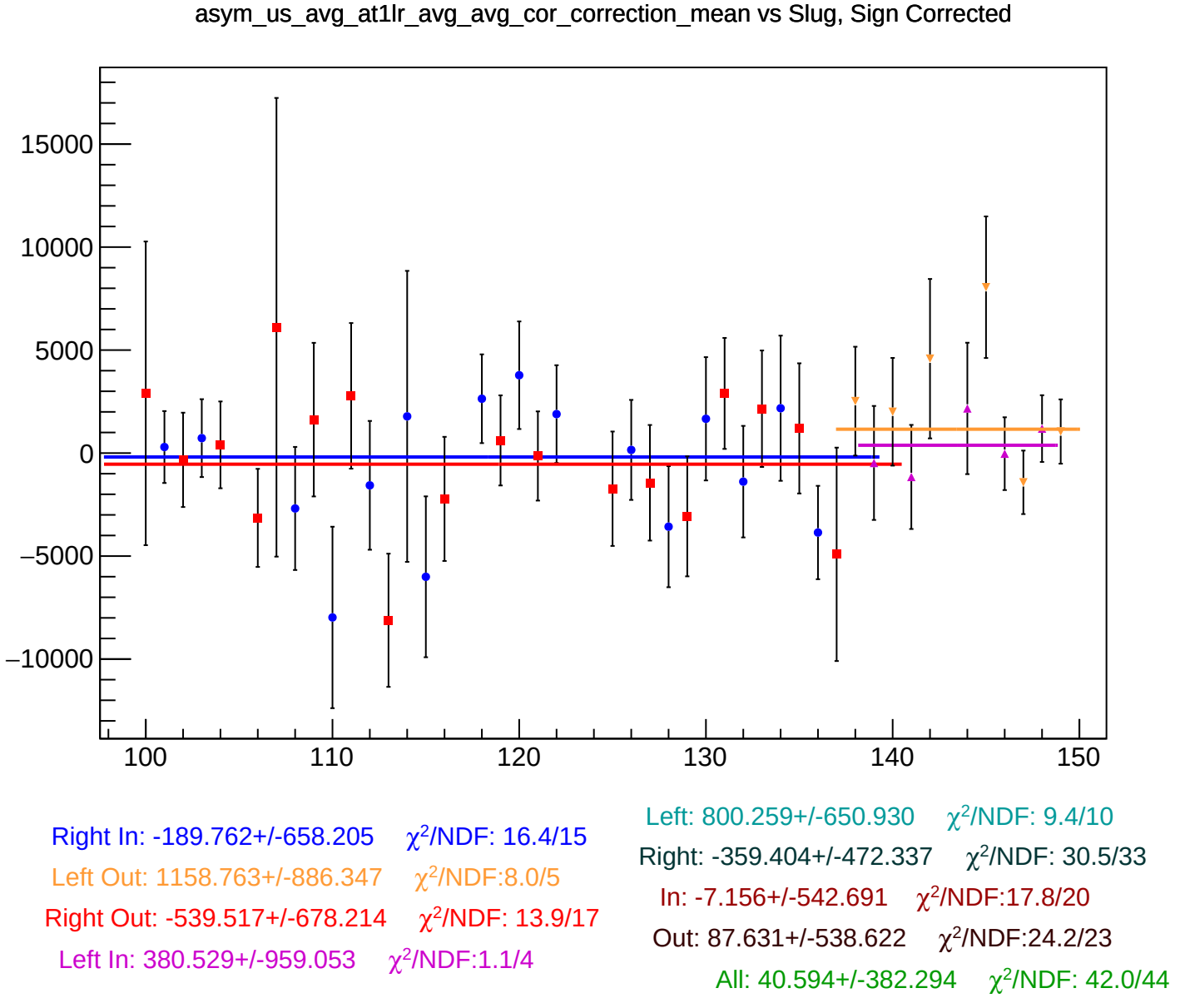
Left: 2187.702+/-0.518 χ^2/NDF: 367.8/10

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

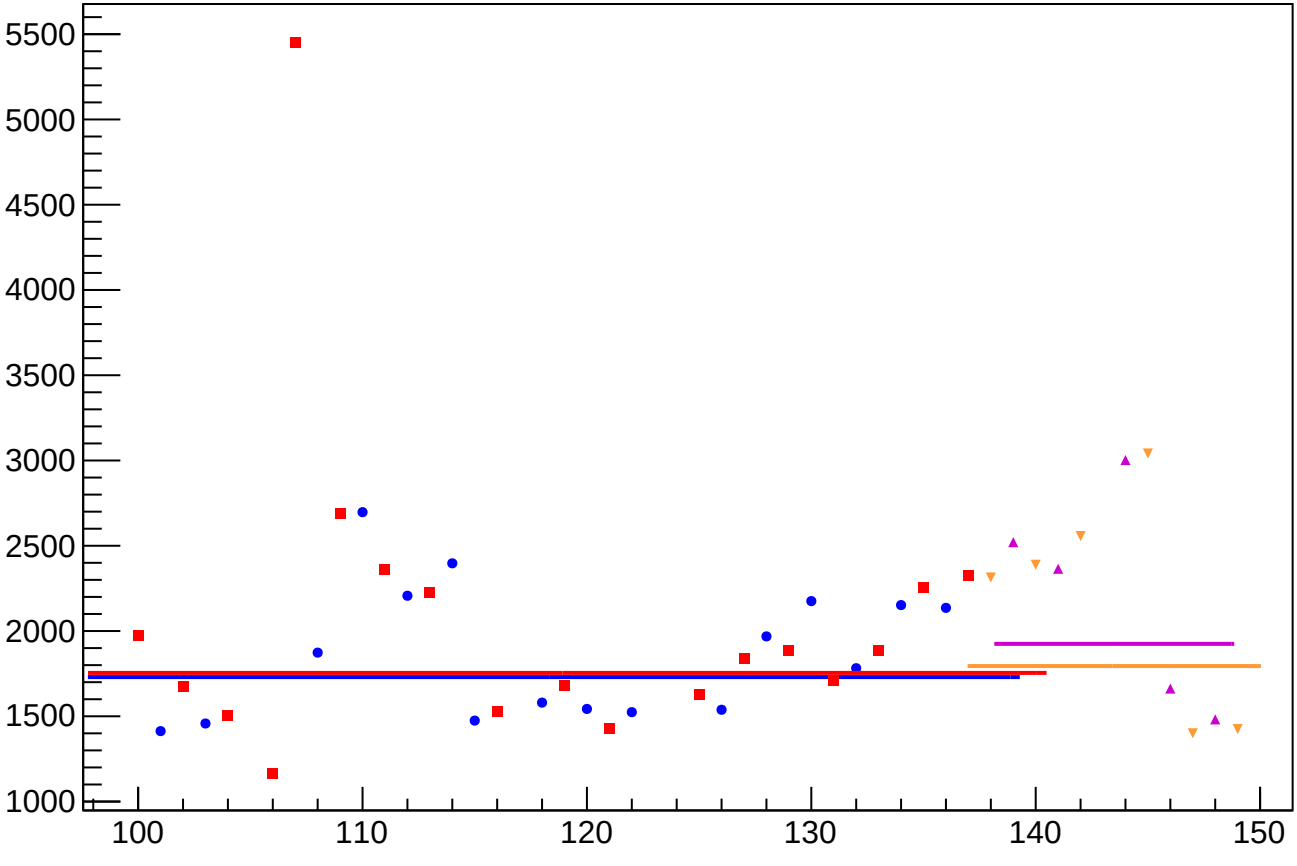
In: 2261.599+/-0.475 χ^2/NDF:529534.1/20

Out: 2270.789+/-0.470 χ^2/NDF:174262.7/23

All: 2266.240+/-0.334 χ^2/NDF: 703986.2/44


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: 1158.763+/-886.347 χ²/NDF:8.0/5
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 380.529+/-959.053 χ²/NDF:1.1/4
Left: 800.259+/-650.930 χ²/NDF: 9.4/10
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -7.156+/-542.691 χ²/NDF:17.8/20
Out: 87.631+/-538.622 χ²/NDF:24.2/23
All: 40.594+/-382.294 χ²/NDF: 42.0/44

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: 1794.516+/-0.627 χ^2/NDF:764574.2/5

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1924.819+/-0.678 χ^2/NDF:575769.5/4

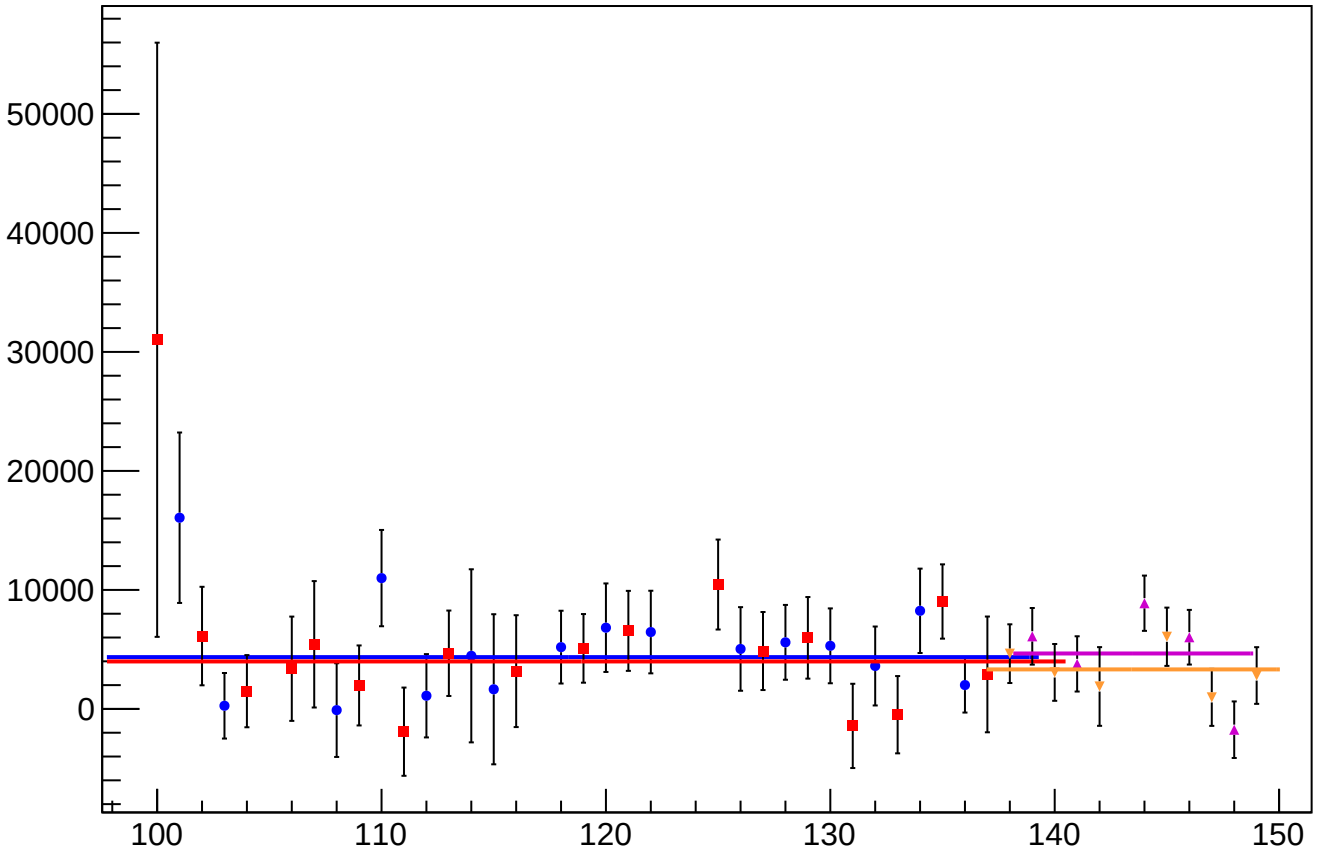
Left: 1854.542+/-0.460 χ^2/NDF: 1360255.8/10

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1792.312+/-0.384 χ^2/NDF:1111829.9/20

Out: 1769.294+/-0.381 χ^2/NDF:1518152.0/23

All: 1780.716+/-0.270 χ^2/NDF: 2631794.4/44



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3320.736+/-1026.737 χ^2/NDF:2.8/5

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4659.455+/-1045.889 χ^2/NDF:11.4/4

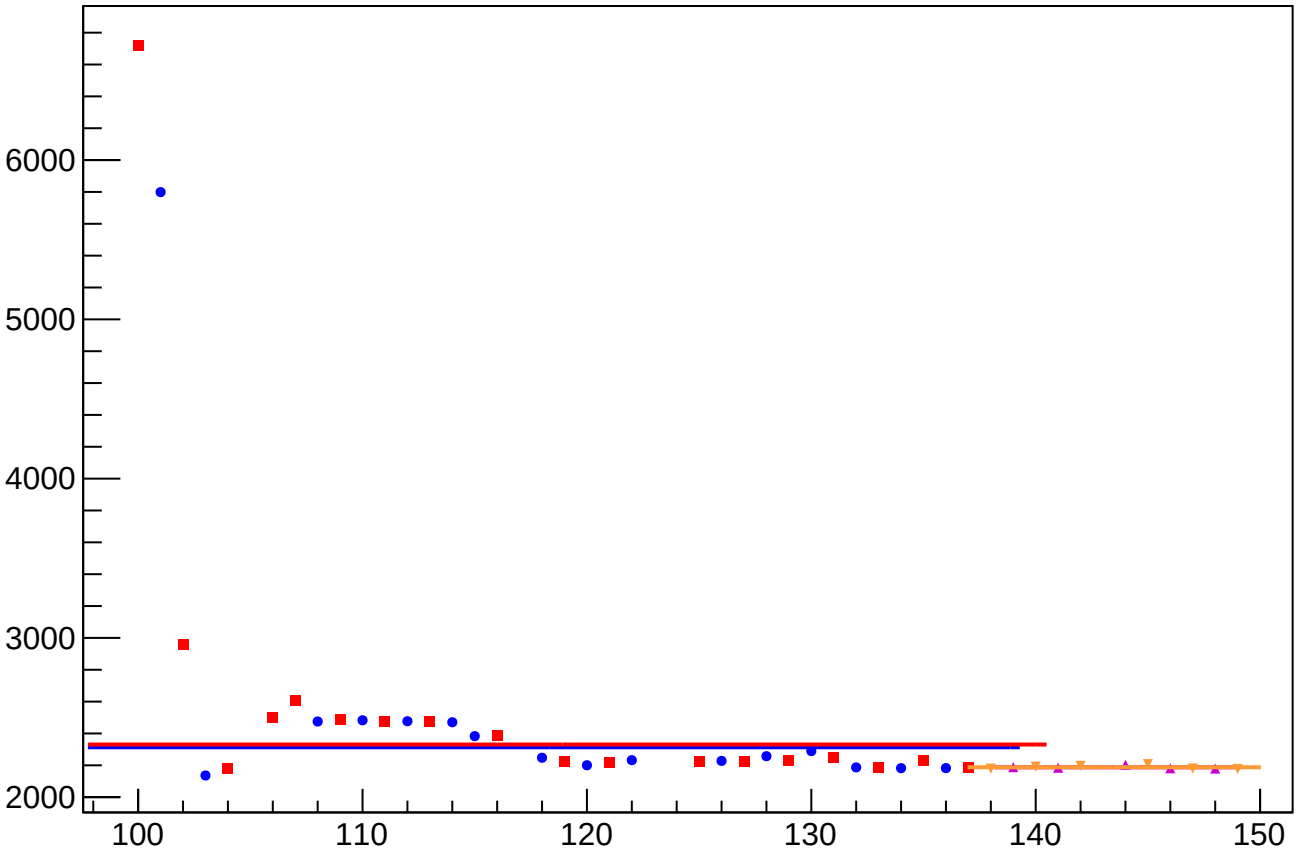
Left: 3977.726+/-732.690 χ^2/NDF: 15.0/10

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4479.599+/-671.181 χ^2/NDF:24.8/20

Out: 3709.686+/-664.402 χ^2/NDF:19.1/23

All: 4090.734+/-472.182 χ^2/NDF: 44.6/44



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.804+/-0.726 χ^2/NDF:229.5/5

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.596+/-0.740 χ^2/NDF:138.3/4

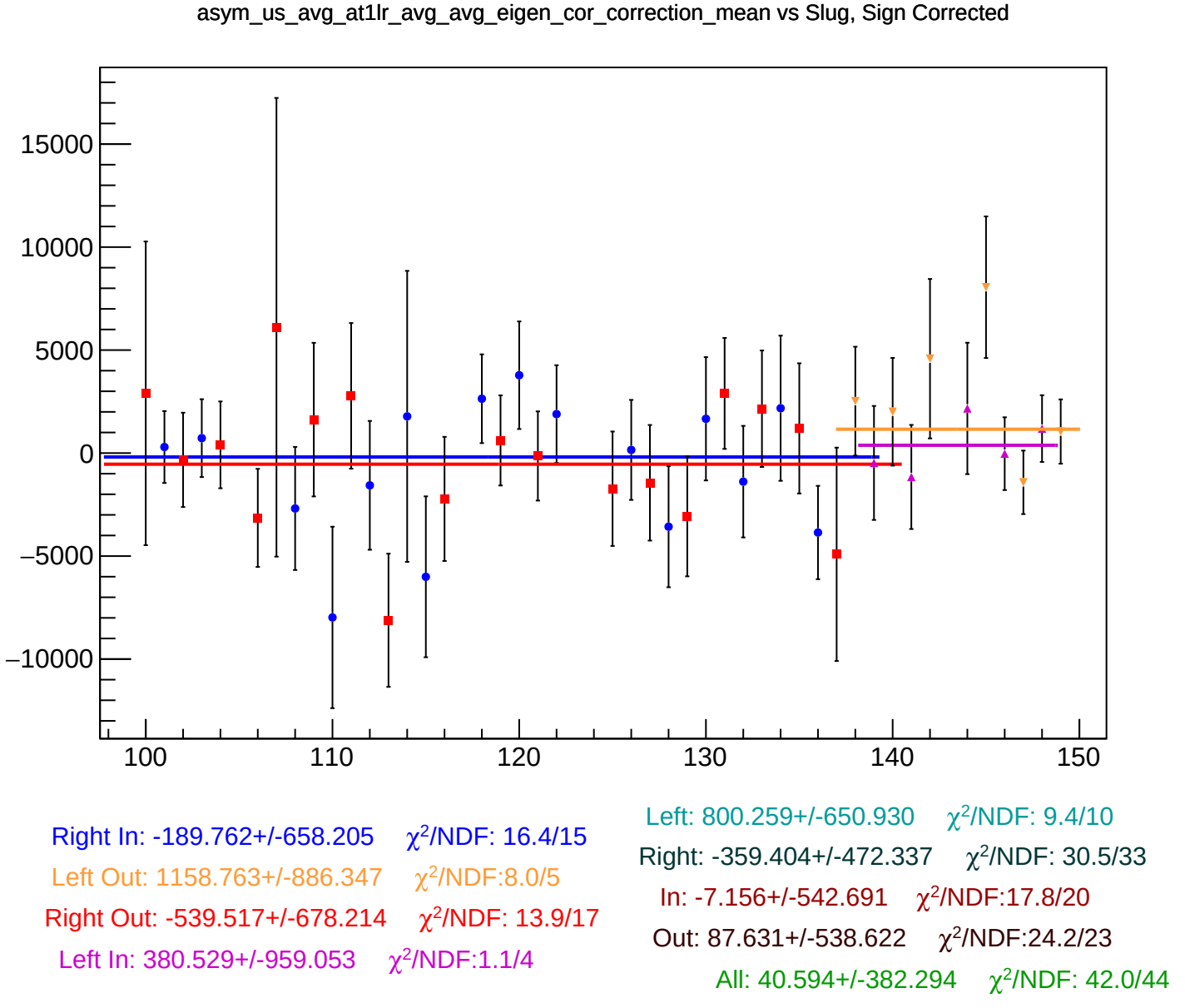
Left: 2187.702+/-0.518 χ^2/NDF: 367.8/10

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2261.599+/-0.475 χ^2/NDF:529534.1/20

Out: 2270.789+/-0.470 χ^2/NDF:174262.7/23

All: 2266.240+/-0.334 χ^2/NDF: 703986.2/44


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−5000
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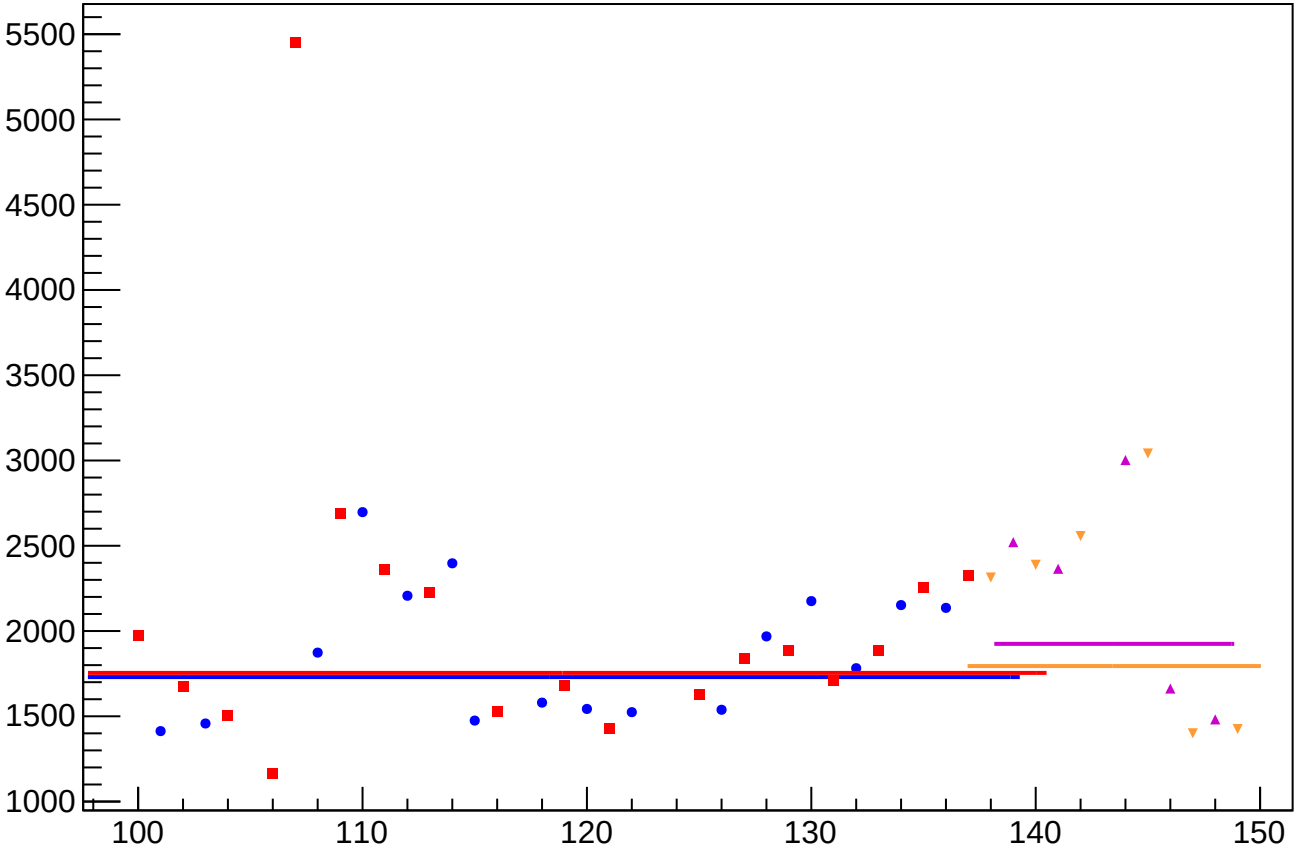
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 1158.763+/-886.347 χ²/NDF:8.0/5
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 380.529+/-959.053 χ²/NDF:1.1/4
Left: 800.259+/-650.930 χ²/NDF: 9.4/10
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -7.156+/-542.691 χ²/NDF:17.8/20
Out: 87.631+/-538.622 χ²/NDF:24.2/23
All: 40.594+/-382.294 χ²/NDF: 42.0/44

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: 1794.516+/-0.627 χ^2/NDF:764574.2/5

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: 1854.542+/-0.460 χ^2/NDF: 1360255.8/10

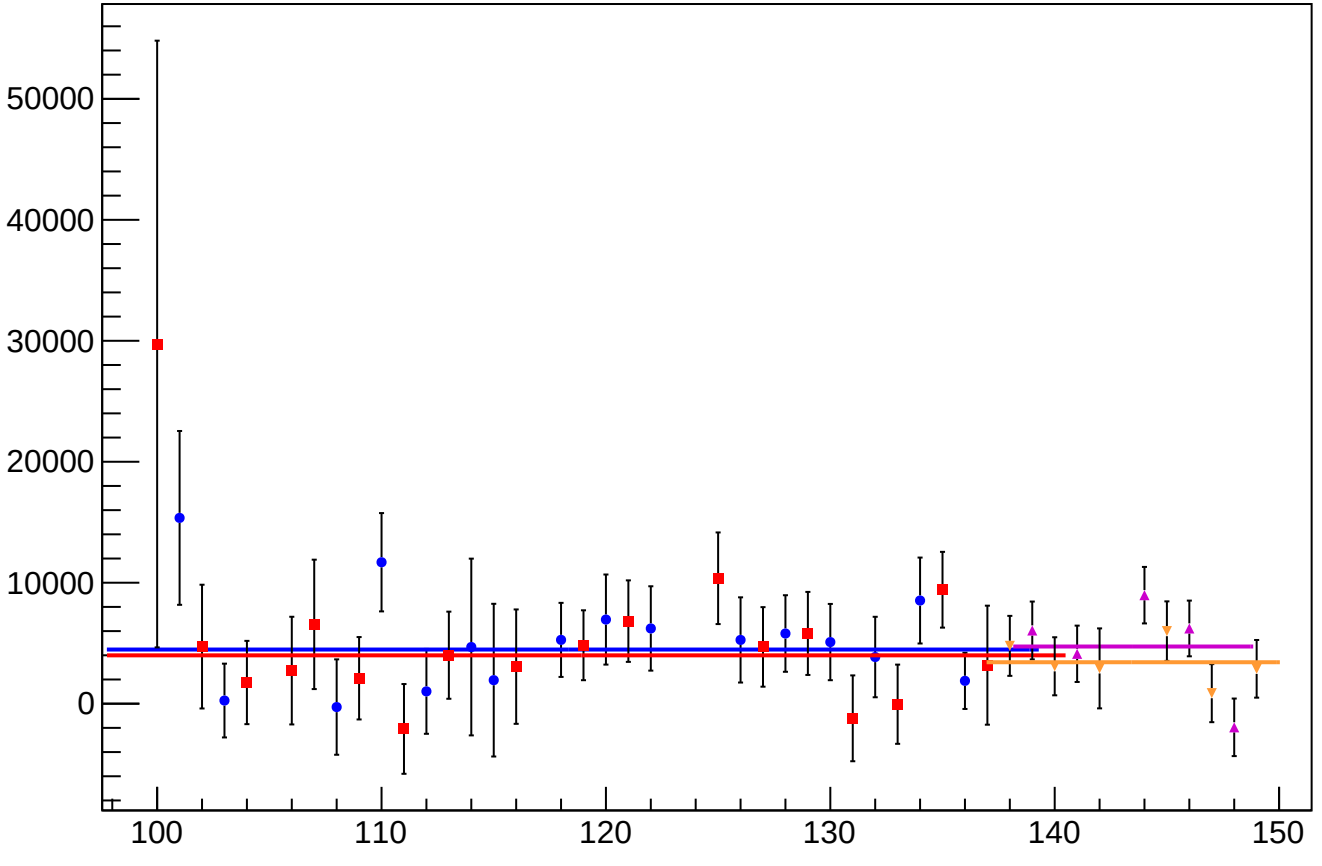
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1792.312+/-0.384 χ^2/NDF:1111829.9/20

Out: 1769.294+/-0.381 χ^2/NDF:1518152.0/23

All: 1780.716+/-0.270 χ^2/NDF: 2631794.4/44

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: 3426.580+/-1029.901 χ^2/NDF:2.6/5

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4726.374+/-1049.519 χ^2/NDF:12.0/4

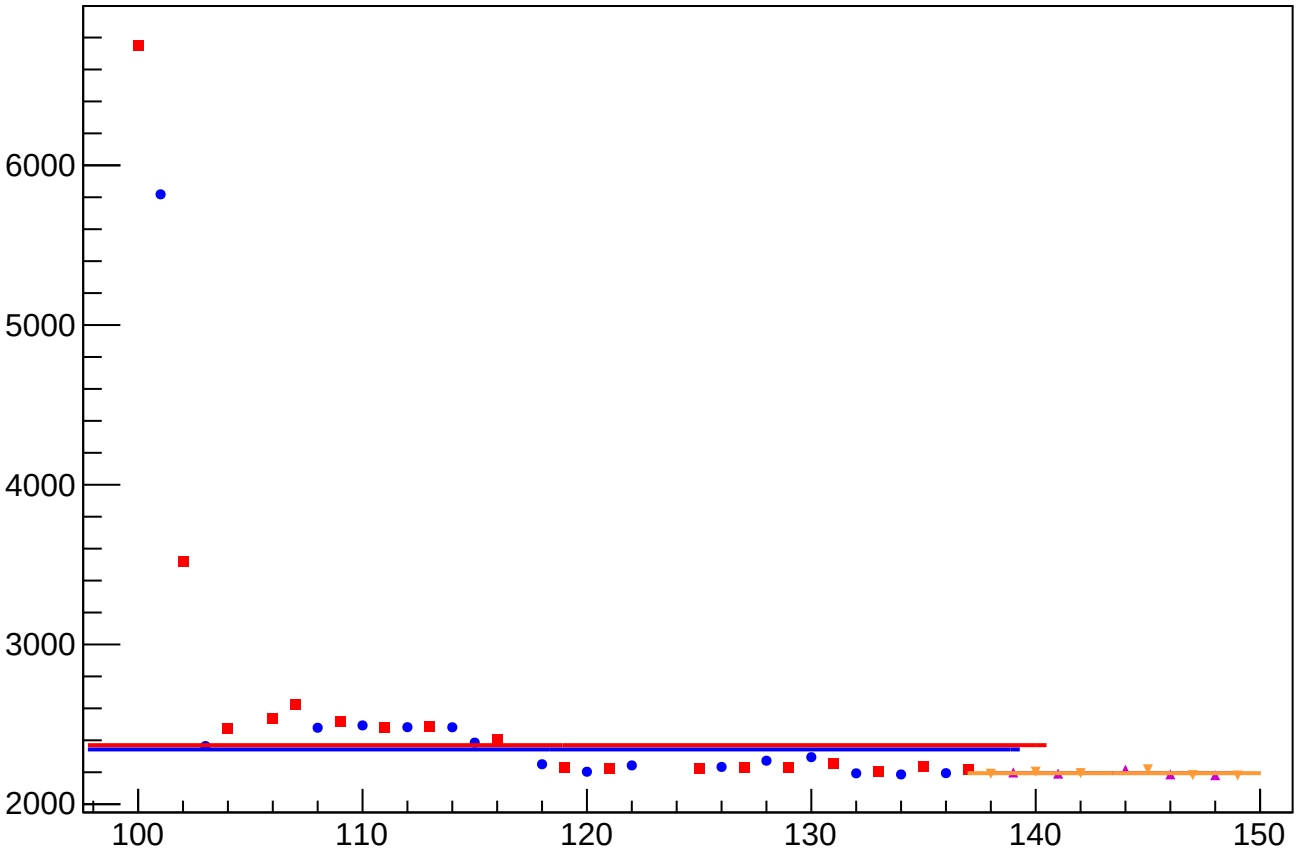
Left: 4064.215+/-735.088 χ^2/NDF: 15.4/10

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4580.448+/-677.052 χ^2/NDF:25.6/20

Out: 3752.315+/-673.589 χ^2/NDF:18.3/23

All: 4164.258+/-477.519 χ^2/NDF: 44.6/44



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.342+/-0.728 χ^2/NDF:353.6/5

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: 2194.674+/-0.520 χ^2/NDF: 616.0/10

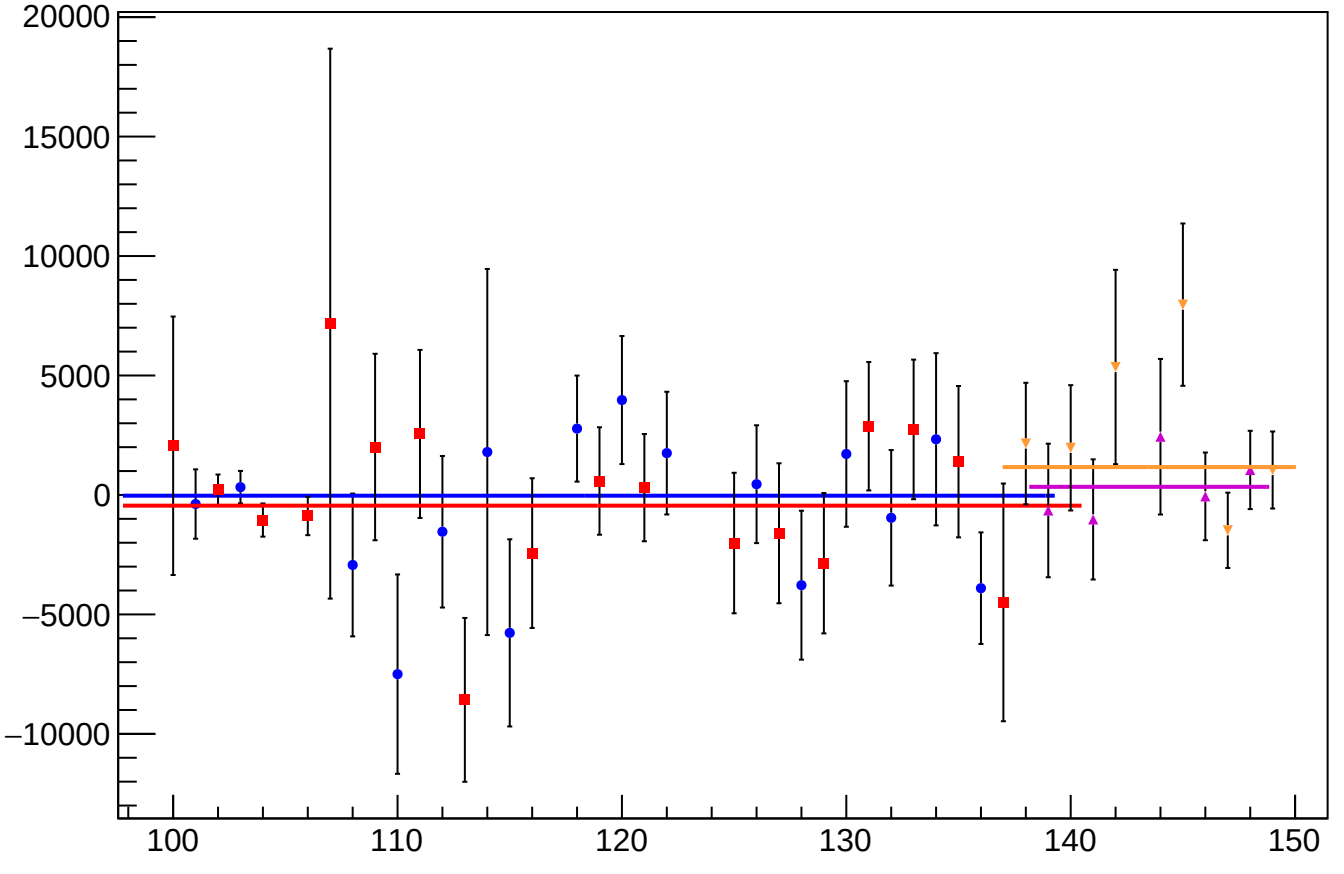
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2281.365+/-0.479 χ^2/NDF:526315.6/20

Out: 2294.616+/-0.476 χ^2/NDF:243632.4/23

All: 2288.025+/-0.338 χ^2/NDF: 770333.0/44

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: 1166.355+/-900.182 χ^2/NDF:8.1/5

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: 786.411+/-661.731 χ^2/NDF: 9.6/10

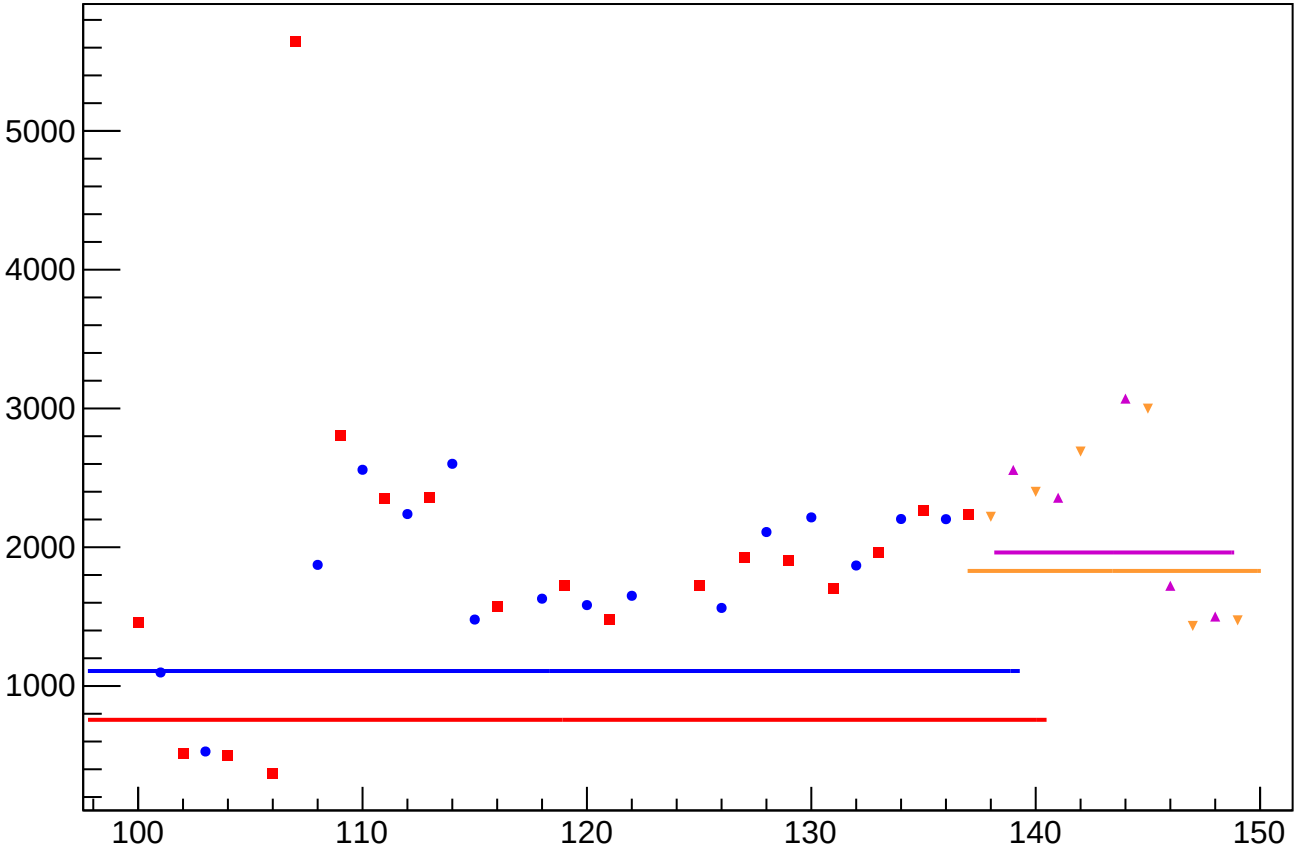
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 42.166+/-434.573 χ^2/NDF:17.5/20

Out: -222.888+/-336.315 χ^2/NDF:26.0/23

All: -123.605+/-265.970 χ^2/NDF: 43.7/44

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1829.315+/-0.637 χ^2/NDF:691989.2/5

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1962.238+/-0.690 χ^2/NDF:564630.7/4

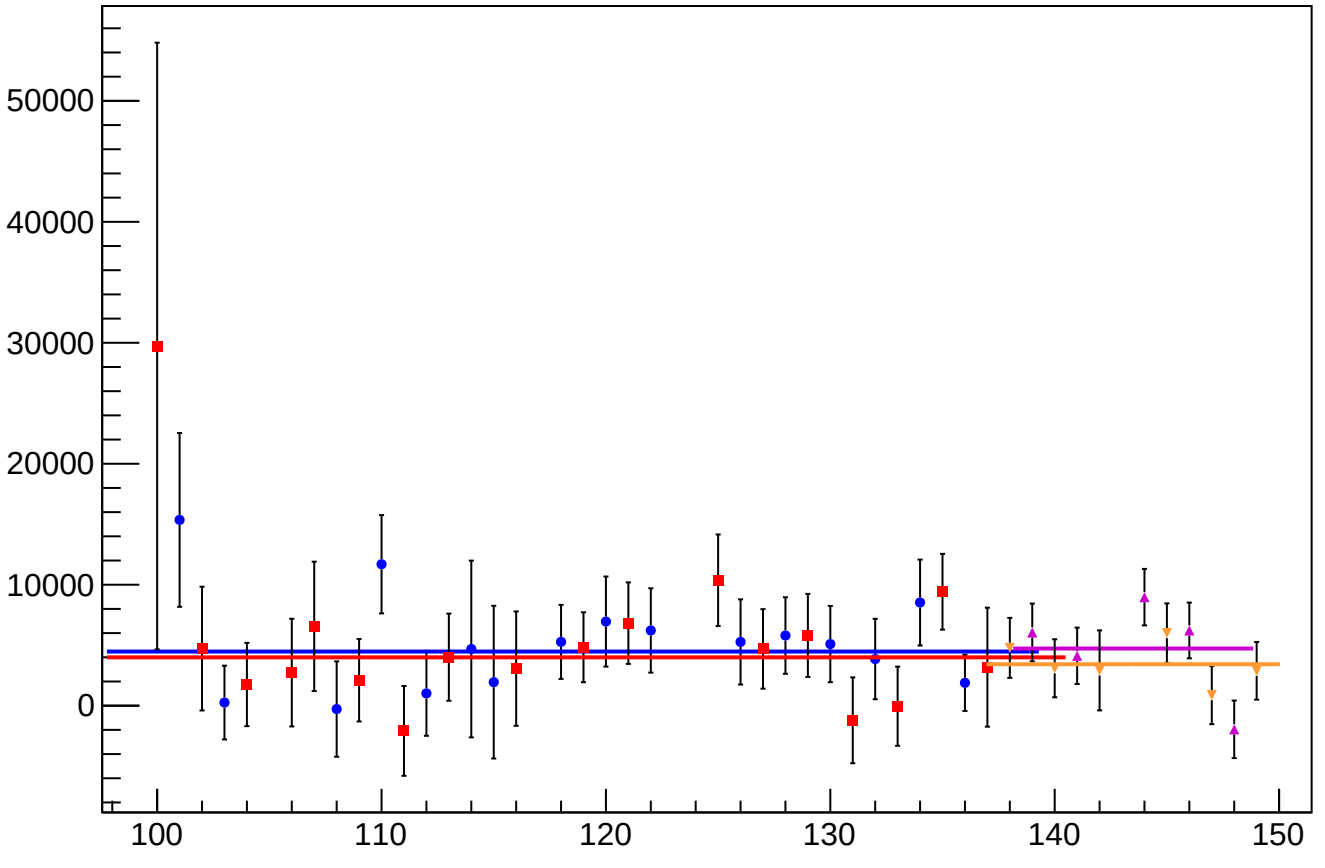
Left: 1890.408+/-0.468 χ^2/NDF: 1276663.0/10

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1277.442+/-0.307 χ^2/NDF:5538915.5/20

Out: 906.177+/-0.238 χ^2/NDF:8739726.3/23

All: 1045.245+/-0.188 χ^2/NDF: 15191590.9/4



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3426.585+/-1029.901 χ^2/NDF:2.6/5

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4726.374+/-1049.519 χ^2/NDF:12.0/4

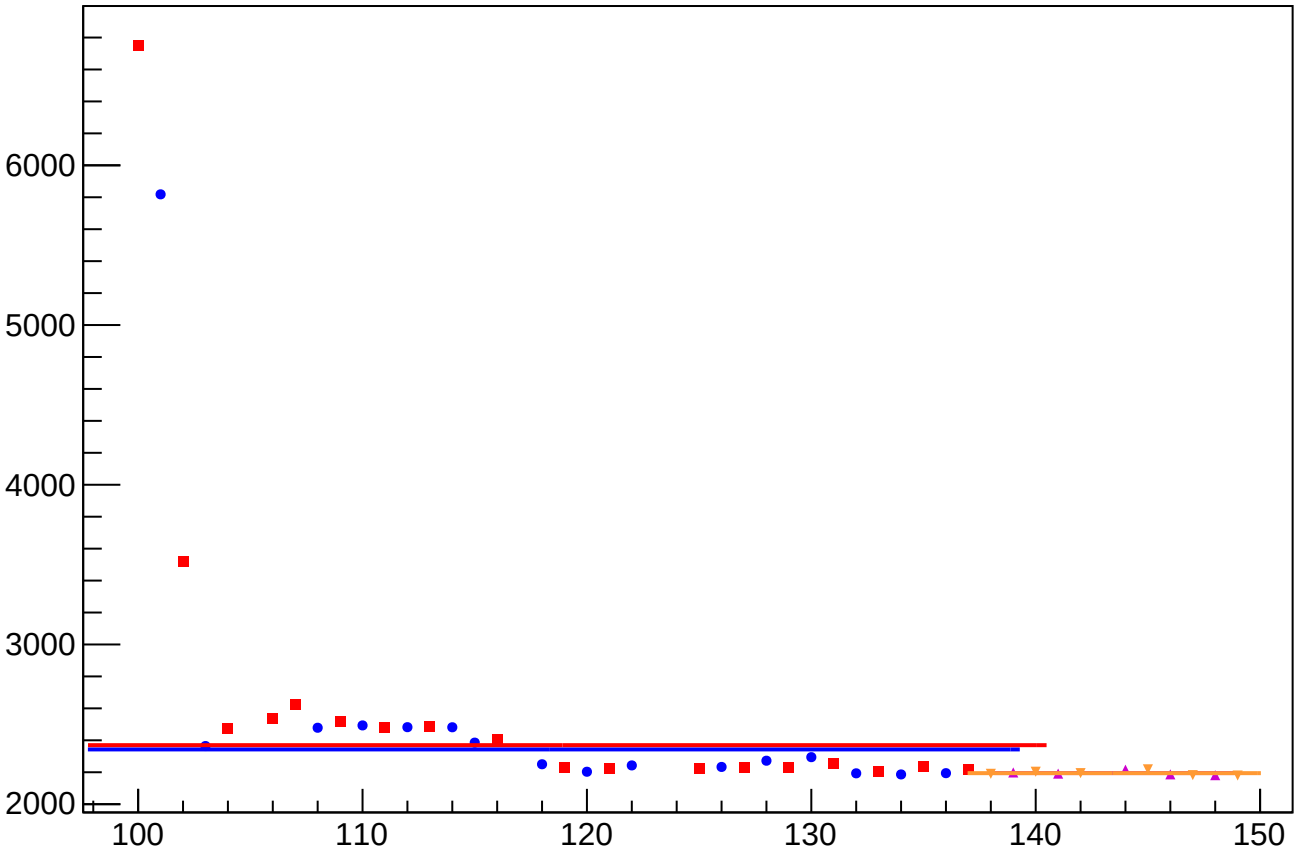
Left: 4064.218+/-735.088 χ^2/NDF: 15.4/10

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4580.445+/-677.052 χ^2/NDF:25.6/20

Out: 3752.315+/-673.589 χ^2/NDF:18.3/23

All: 4164.257+/-477.519 χ^2/NDF: 44.6/44


eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected
6000
5000
4000
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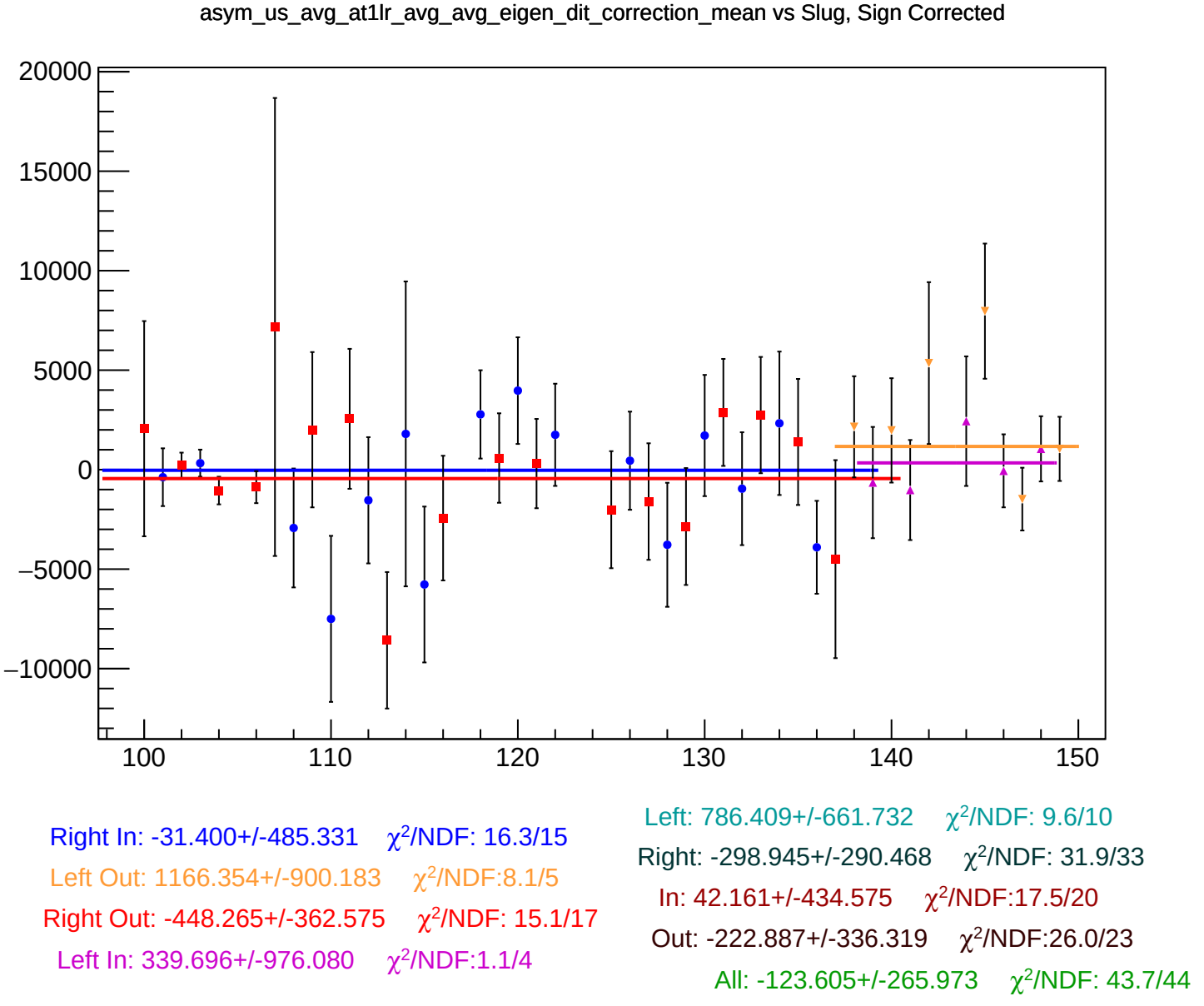
2000
100
110
120
130
140
150
Right In: 2342.913+/-0.627 χ²/NDF: 502866.3/15
Left Out: 2194.342+/-0.728 χ²/NDF:353.6/5
Right Out: 2369.572+/-0.630 χ²/NDF: 210146.5/17
Left In: 2195.019+/-0.742 χ²/NDF:261.9/4
Left: 2194.674+/-0.520 χ²/NDF: 616.0/10
Right: 2356.177+/-0.444 χ²/NDF: 713913.5/33
In: 2281.365+/-0.479 χ²/NDF:526315.4/20
Out: 2294.616+/-0.476 χ²/NDF:243631.1/23
All: 2288.025+/-0.338 χ²/NDF: 770331.6/44


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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−5000
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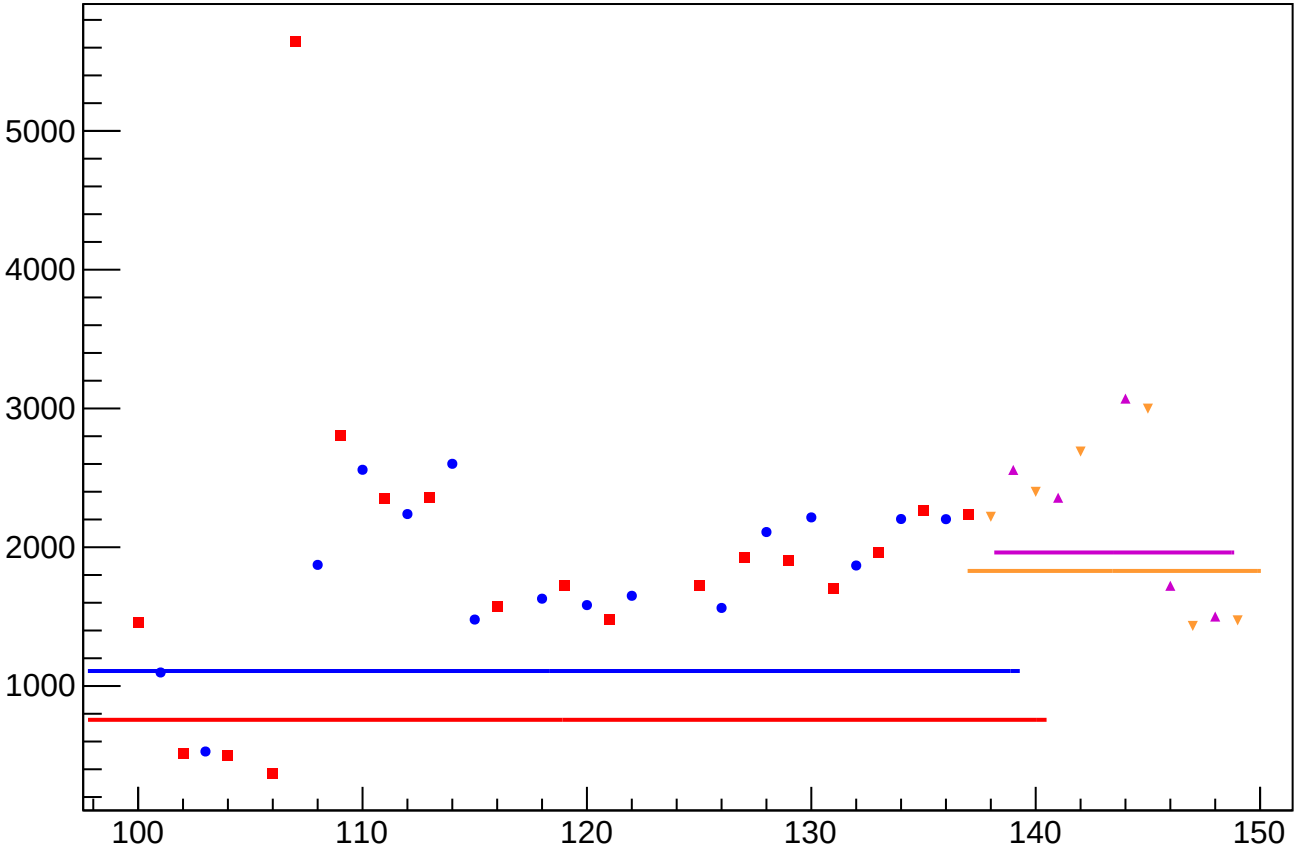
100
110
120
130
140
150
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: 1166.354+/-900.183 χ²/NDF:8.1/5
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 339.696+/-976.080 χ²/NDF:1.1/4
Left: 786.409+/-661.732 χ²/NDF: 9.6/10
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 42.161+/-434.575 χ²/NDF:17.5/20
Out: -222.887+/-336.319 χ²/NDF:26.0/23
All: -123.605+/-265.973 χ²/NDF: 43.7/44

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1829.318+/-0.637 χ^2/NDF:691989.3/5

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1962.241+/-0.690 χ^2/NDF:564630.6/4

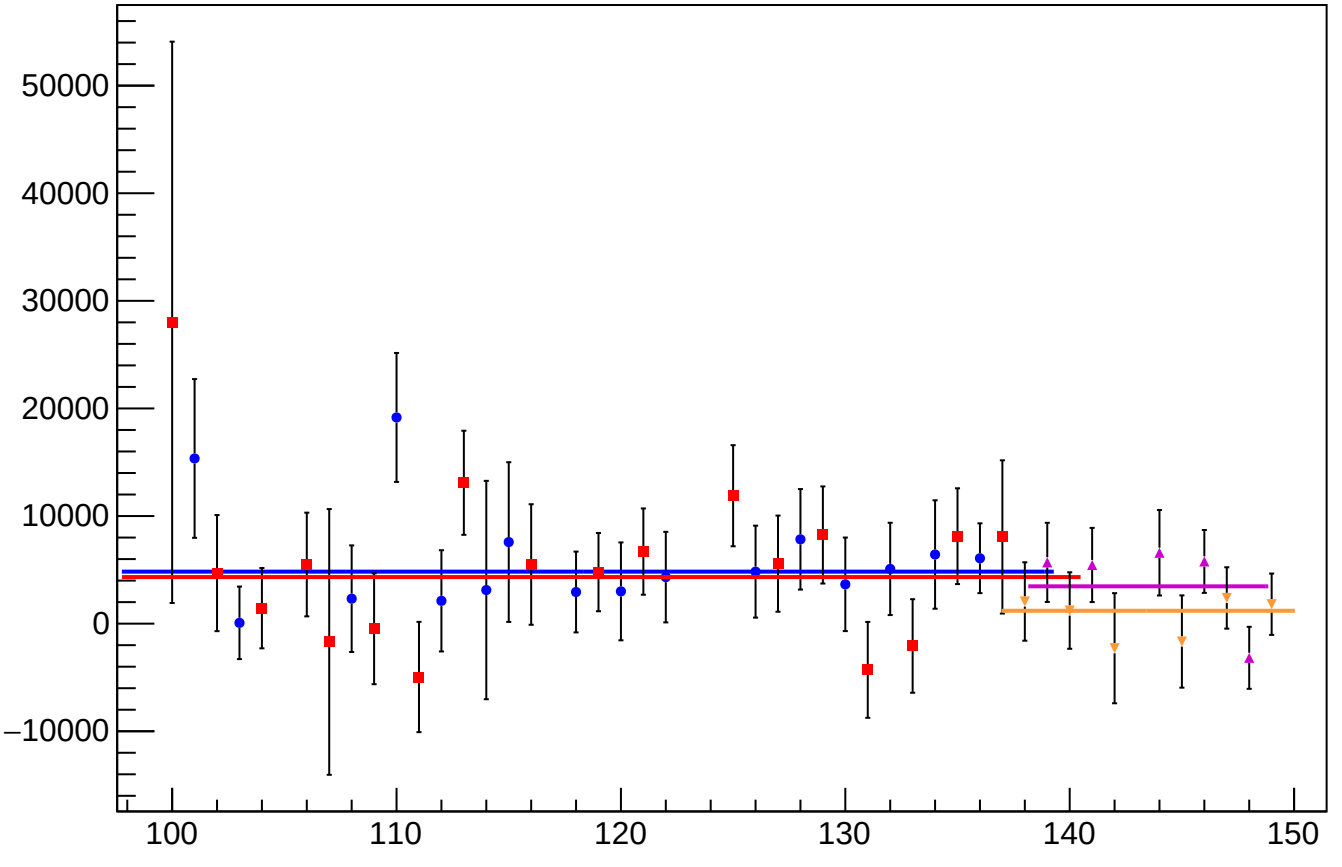
Left: 1890.412+/-0.468 χ^2/NDF: 1276663.1/10

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1277.452+/-0.307 χ^2/NDF:5538816.1/20

Out: 906.193+/-0.238 χ^2/NDF:8739537.4/23

All: 1045.260+/-0.188 χ^2/NDF: 15191256.1/4



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 1195.674+/-1424.075 χ^2/NDF:1.2/5

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3468.152+/-1476.021 χ^2/NDF:7.3/4

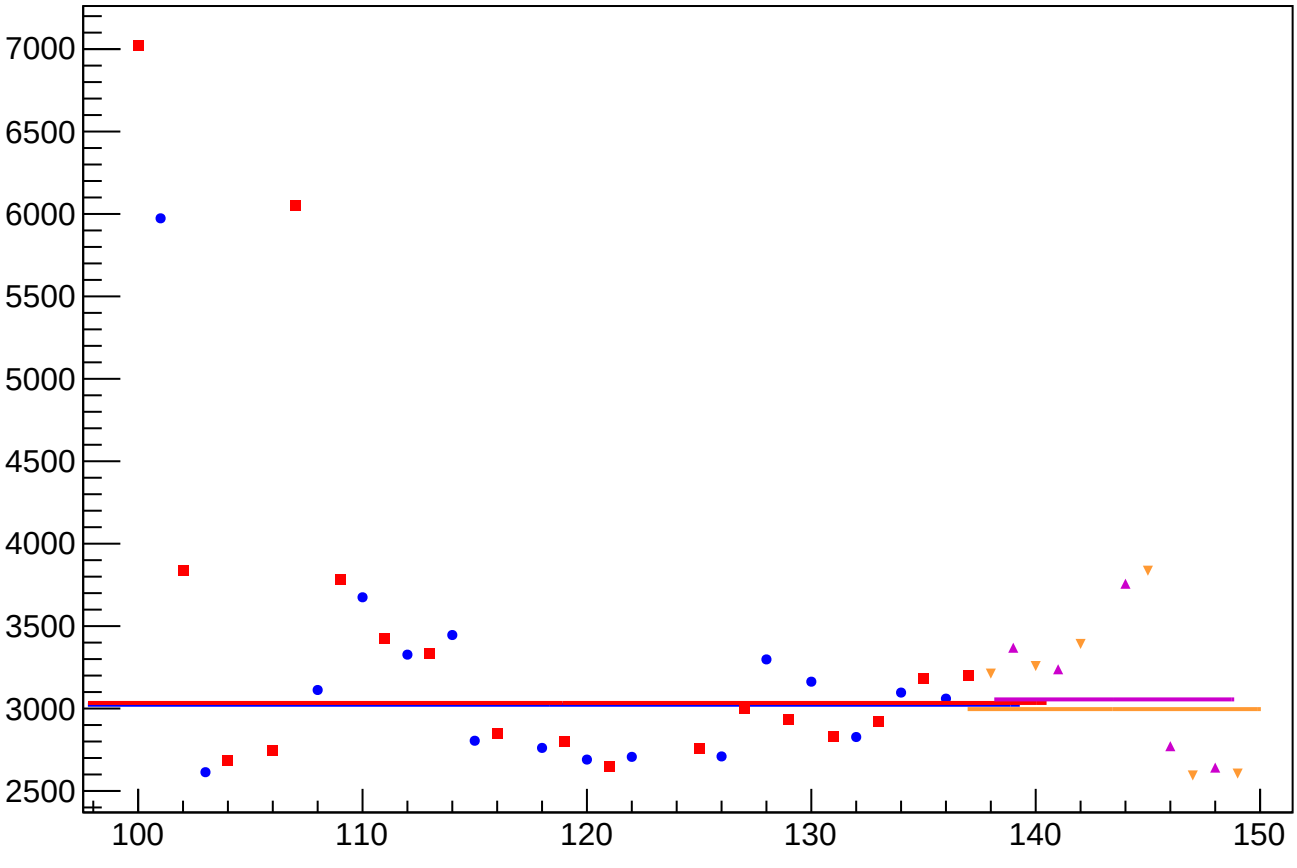
Left: 2291.221+/-1024.846 χ^2/NDF: 9.7/10

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4322.126+/-903.486 χ^2/NDF:19.5/20

Out: 3099.092+/-892.120 χ^2/NDF:24.0/23

All: 3702.868+/-634.805 χ^2/NDF: 44.4/44



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 2996.514+/-1.007 χ^2/NDF:183858.5/5

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3055.383+/-1.044 χ^2/NDF:142640.4/4

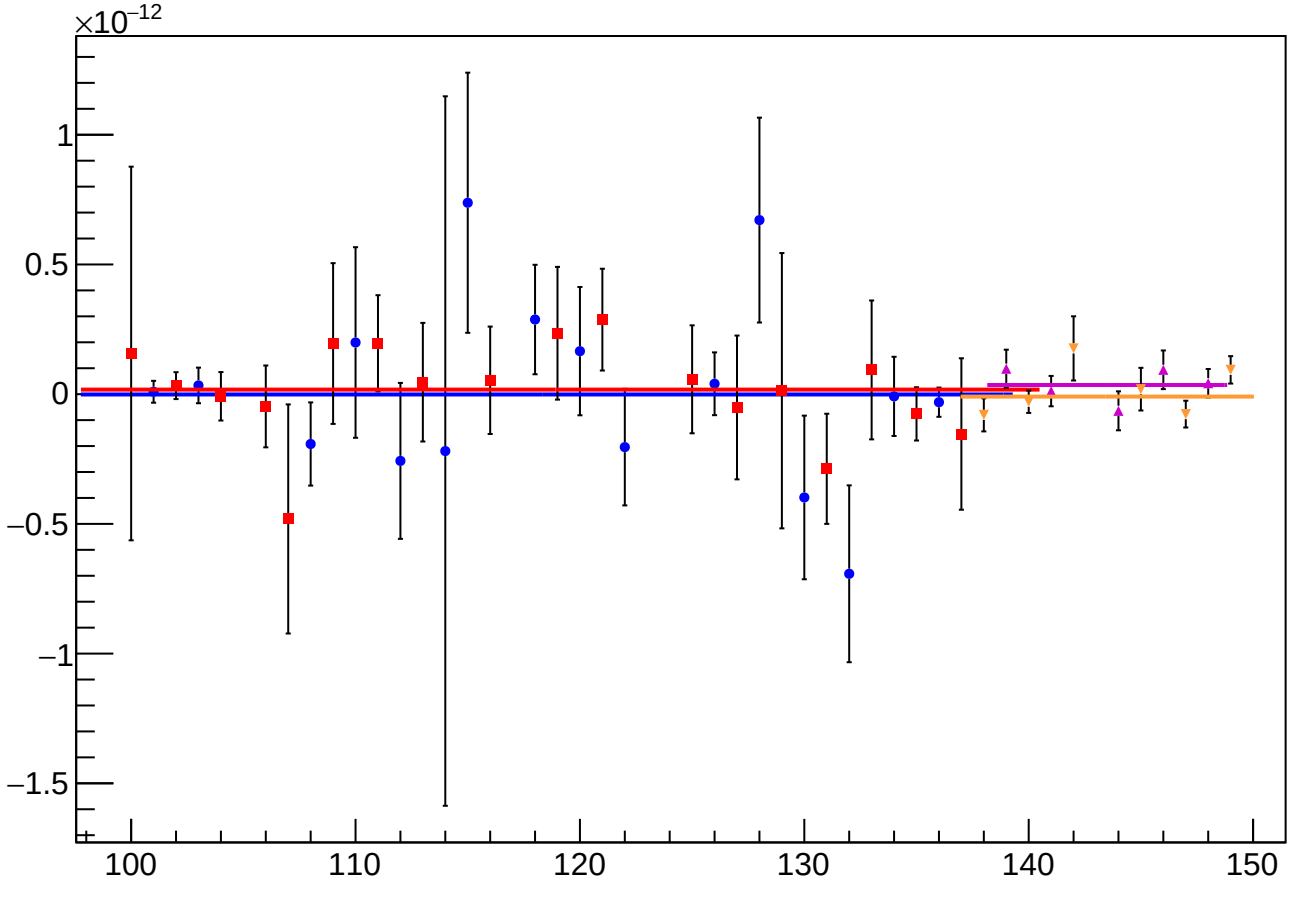
Left: 3024.894+/-0.725 χ^2/NDF: 328146.6/10

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3035.176+/-0.639 χ^2/NDF:586945.6/20

Out: 3019.209+/-0.631 χ^2/NDF:527369.3/23

All: 3027.091+/-0.449 χ^2/NDF: 1114631.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/4

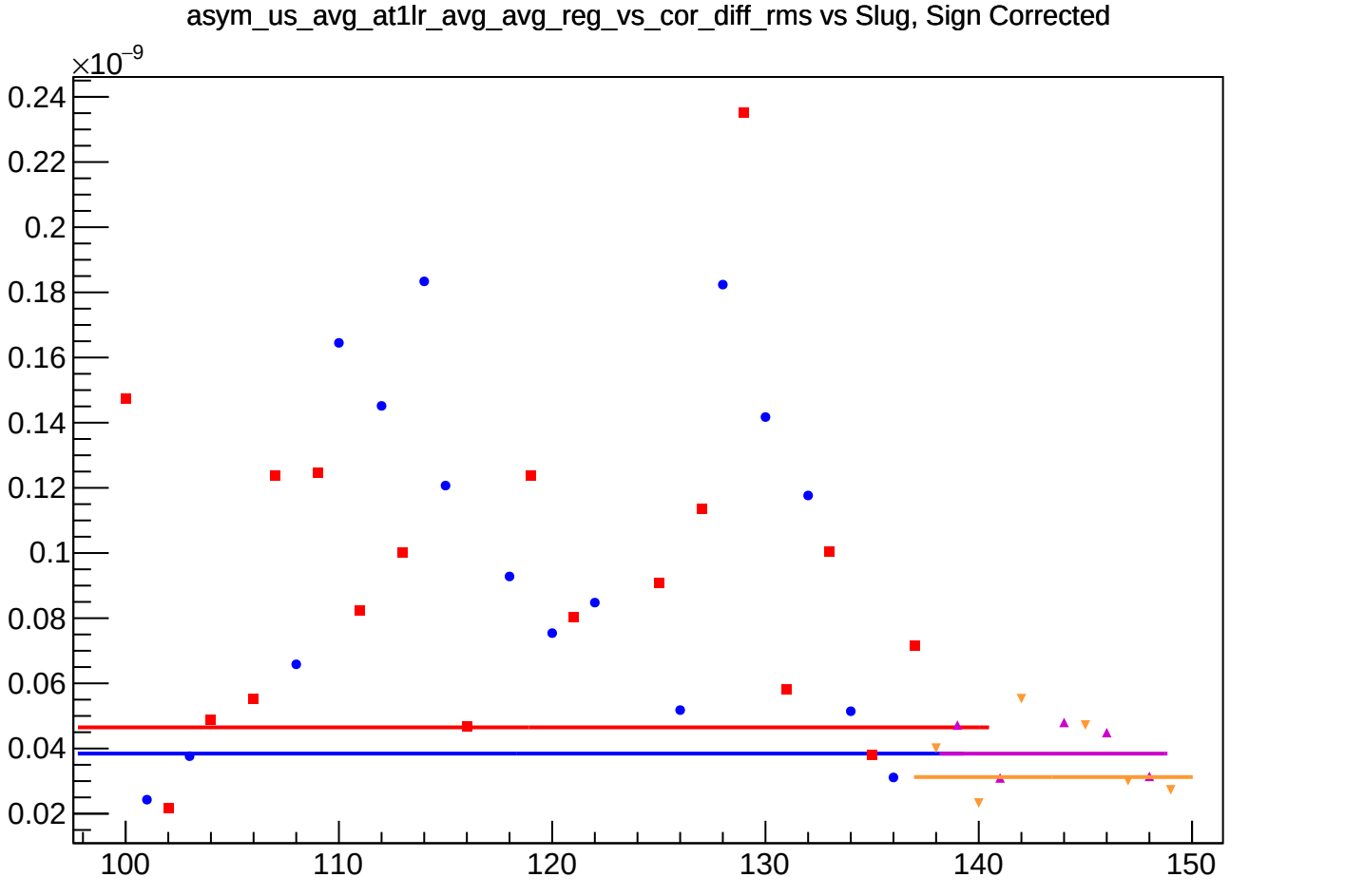
Left: 0.000+/-0.000 χ^2/NDF: 14.0/10

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

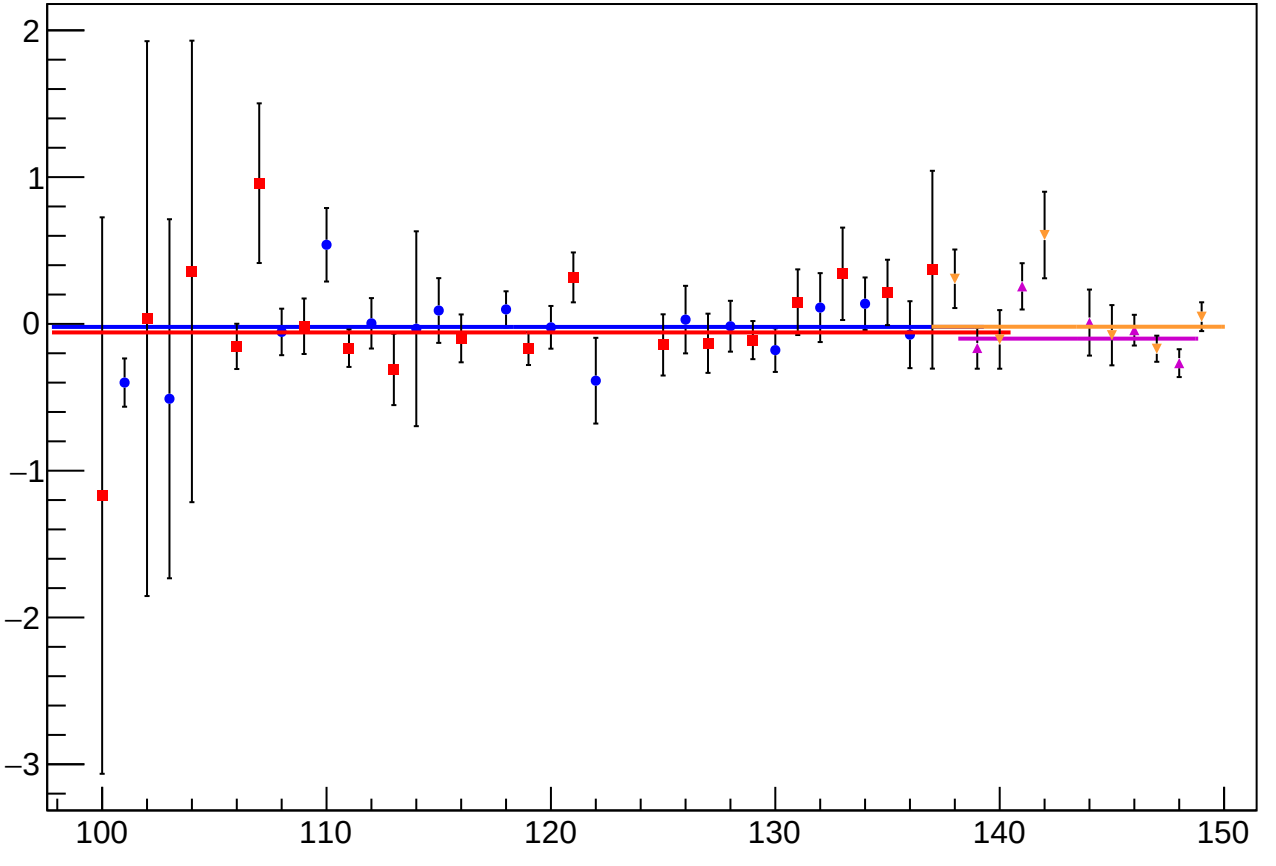
In: 0.000+/-0.000 χ^2/NDF:21.2/20

Out: -0.000+/-0.000 χ^2/NDF:18.7/23

All: 0.000+/-0.000 χ^2/NDF: 40.3/44


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:270024.3/5
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: 482876.7/10
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:2230087.7/23
All: 0.000+/-0.000 χ²/NDF: 4154784.7/44

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: -0.019+/-0.056 χ^2/NDF:10.8/5

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: -0.060+/-0.040 χ^2/NDF: 20.7/10

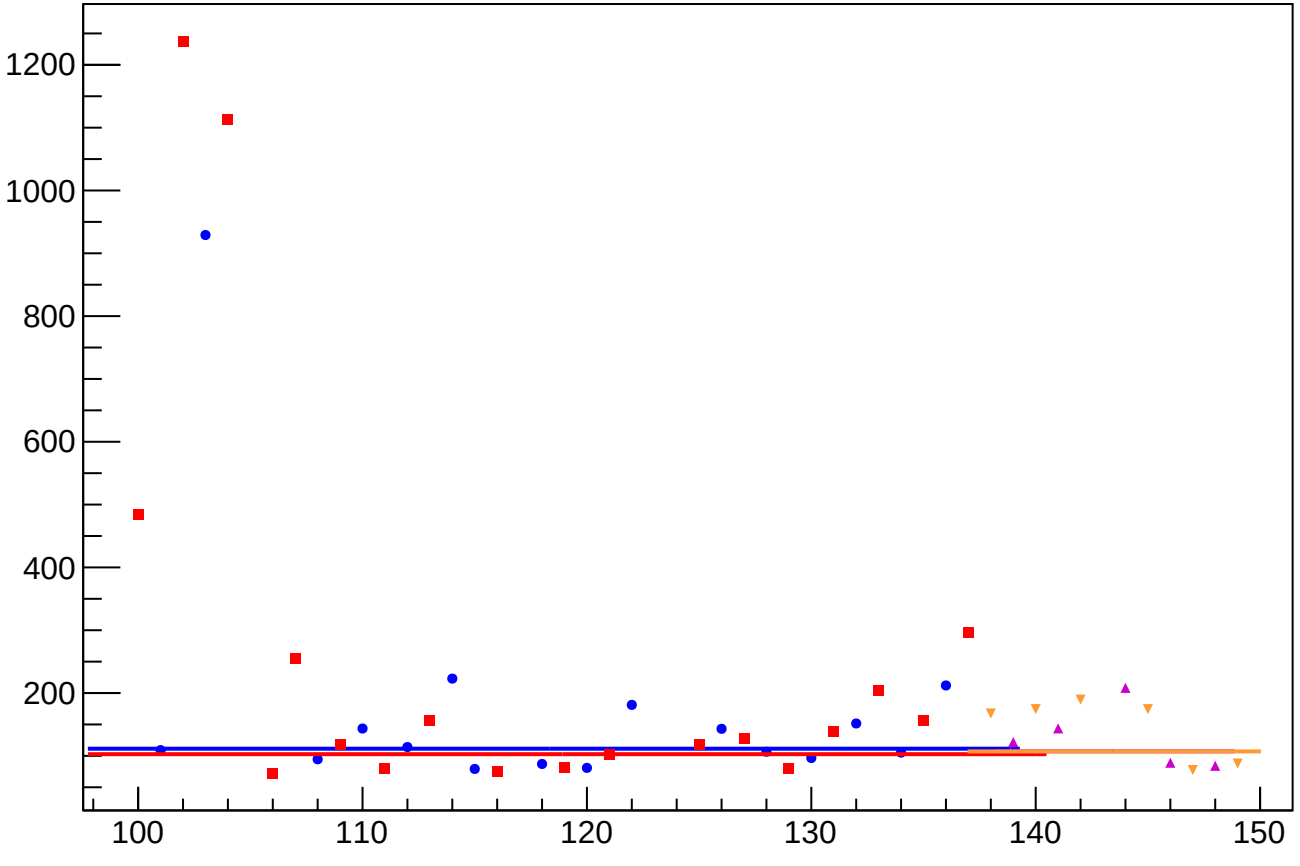
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.042+/-0.036 χ^2/NDF:27.9/23

All: -0.048+/-0.026 χ^2/NDF: 53.7/44

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: 107.067+/-0.040 χ^2/NDF:1081398.1/5

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: 107.137+/-0.028 χ^2/NDF: 1792458.8/10

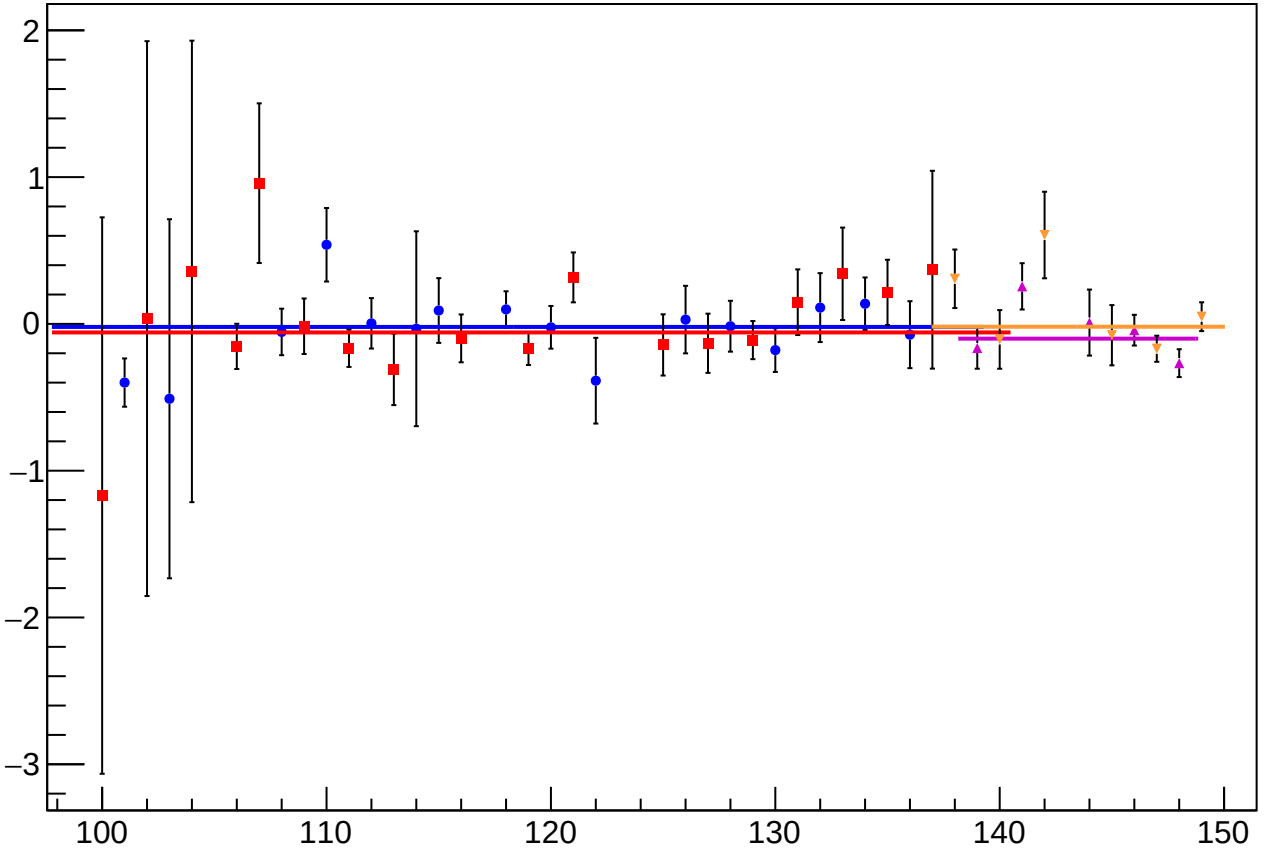
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 109.664+/-0.026 χ^2/NDF:2556866.3/20

Out: 104.451+/-0.025 χ^2/NDF:3915508.3/23

All: 107.012+/-0.018 χ^2/NDF: 6493207.7/44

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: -0.019+/-0.056 χ^2/NDF:10.8/5

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: -0.060+/-0.040 χ^2/NDF: 20.7/10

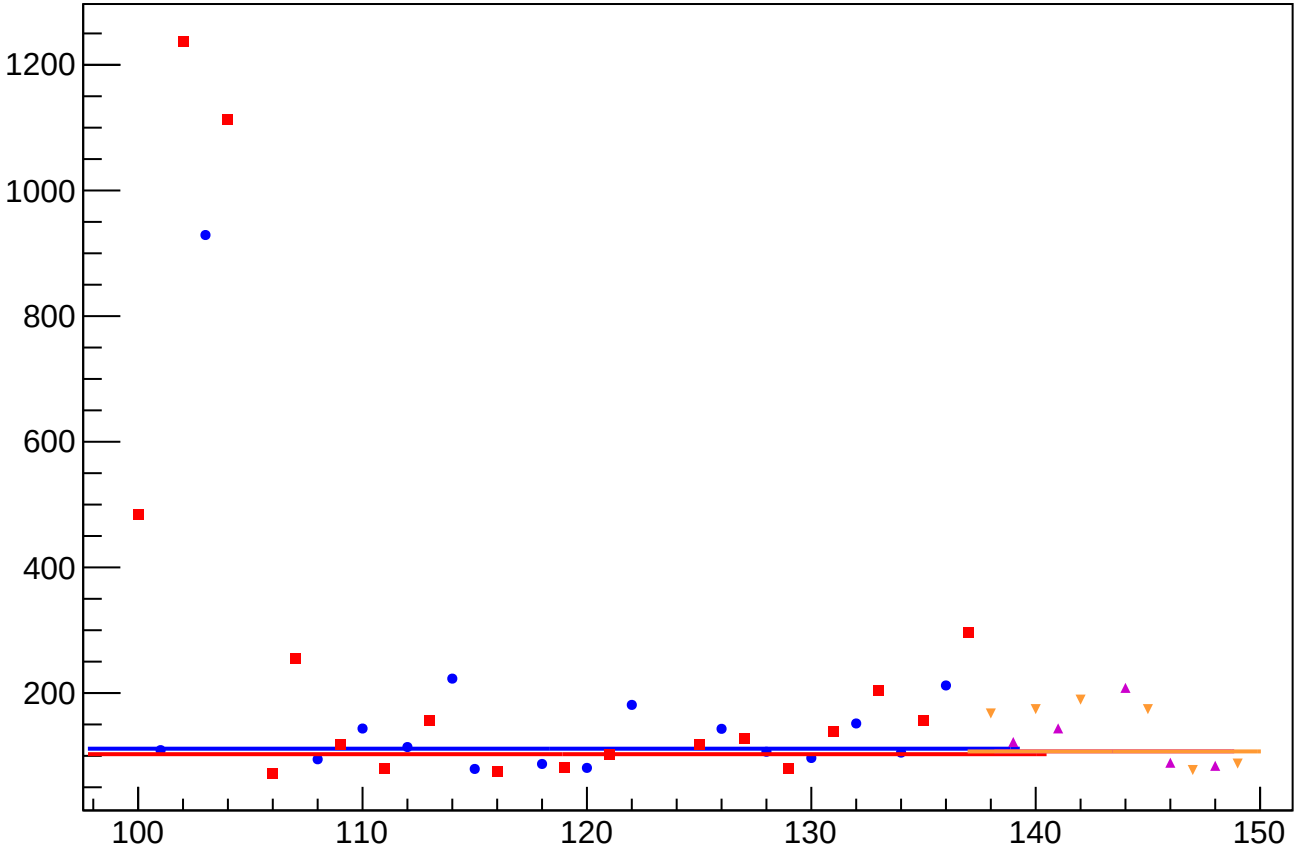
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.042+/-0.036 χ^2/NDF:27.9/23

All: -0.048+/-0.026 χ^2/NDF: 53.7/44

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: 107.067+/-0.040 χ^2/NDF:1081398.1/5

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 107.207+/-0.040 χ^2/NDF:711054.6/4

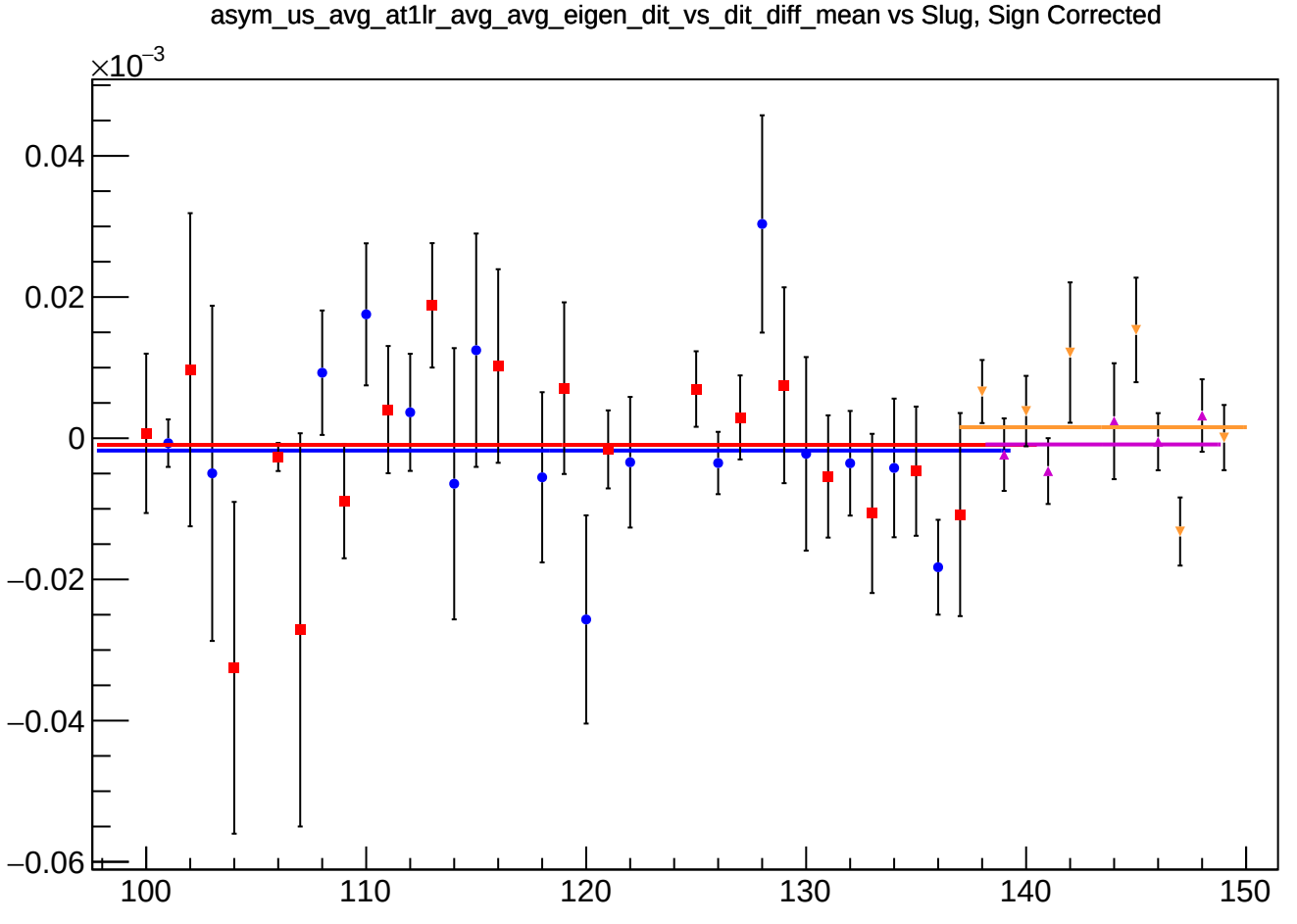
Left: 107.137+/-0.028 χ^2/NDF: 1792458.8/10

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 109.664+/-0.026 χ^2/NDF:2556866.3/20

Out: 104.451+/-0.025 χ^2/NDF:3915508.3/23

All: 107.012+/-0.018 χ^2/NDF: 6493207.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:1.5/4

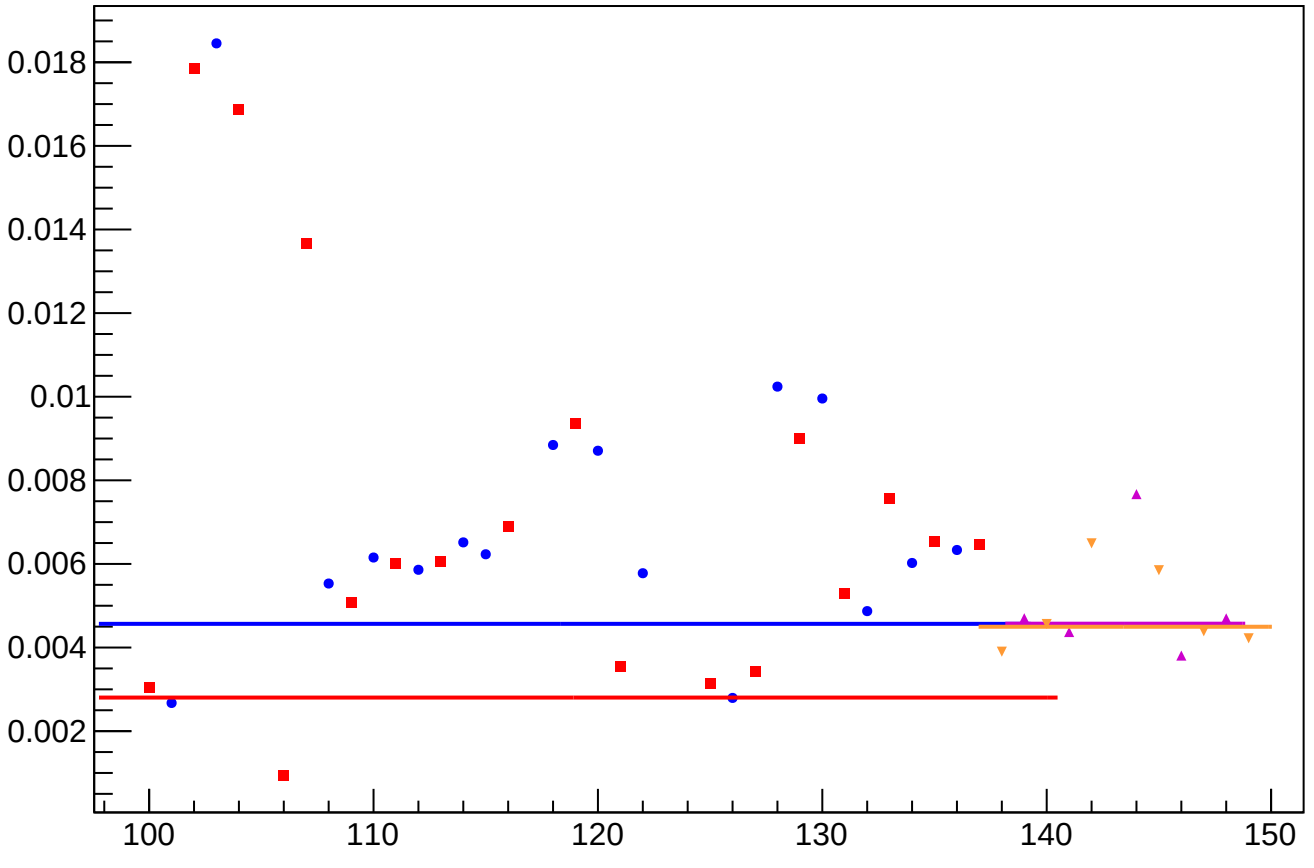
Left: 0.000+/-0.000 χ^2/NDF: 17.7/10

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

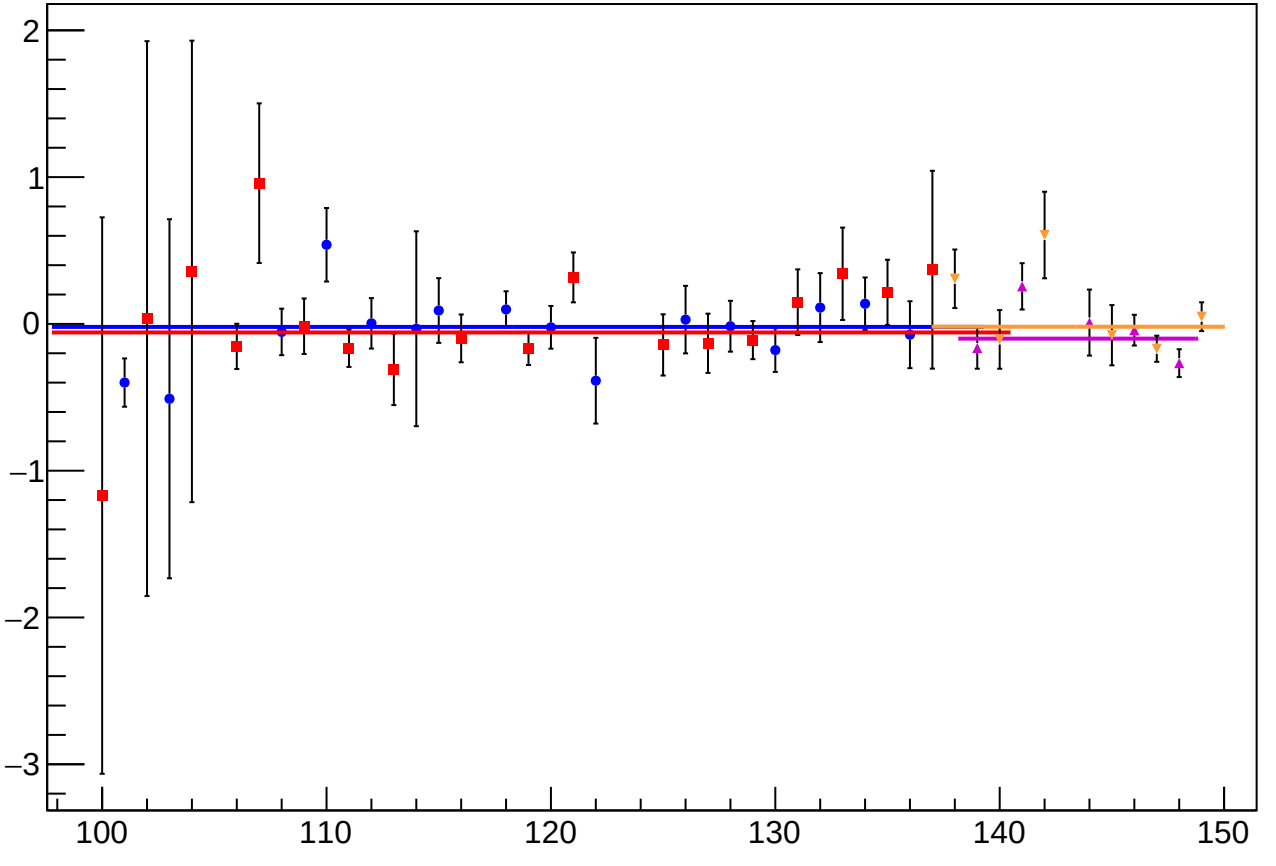
In: -0.000+/-0.000 χ^2/NDF:21.7/20

Out: -0.000+/-0.000 χ^2/NDF:32.2/23

All: -0.000+/-0.000 χ^2/NDF: 54.3/44


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:191403.8/5
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:362191.3/4
Left: 0.005+/-0.000 χ²/NDF: 554686.8/10
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3374452.2/20
Out: 0.003+/-0.000 χ²/NDF:7623143.0/23
All: 0.004+/-0.000 χ²/NDF: 11834334.0/44

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: -0.019+/-0.056 χ^2/NDF:10.8/5

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: -0.060+/-0.040 χ^2/NDF: 20.7/10

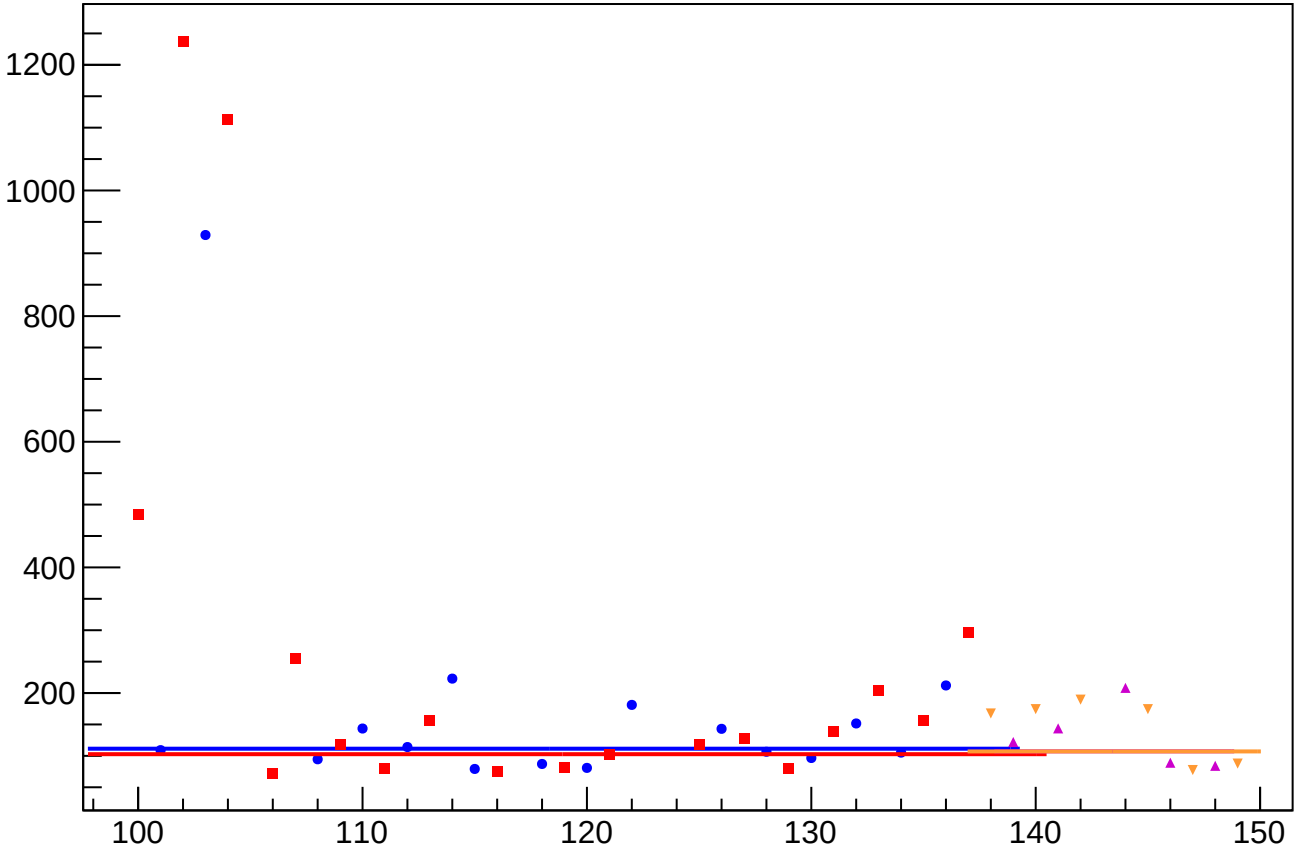
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.042+/-0.036 χ^2/NDF:27.9/23

All: -0.048+/-0.026 χ^2/NDF: 53.7/44

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: 107.068+/-0.040 χ^2/NDF:1081368.9/5

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: 107.137+/-0.028 χ^2/NDF: 1792431.6/10

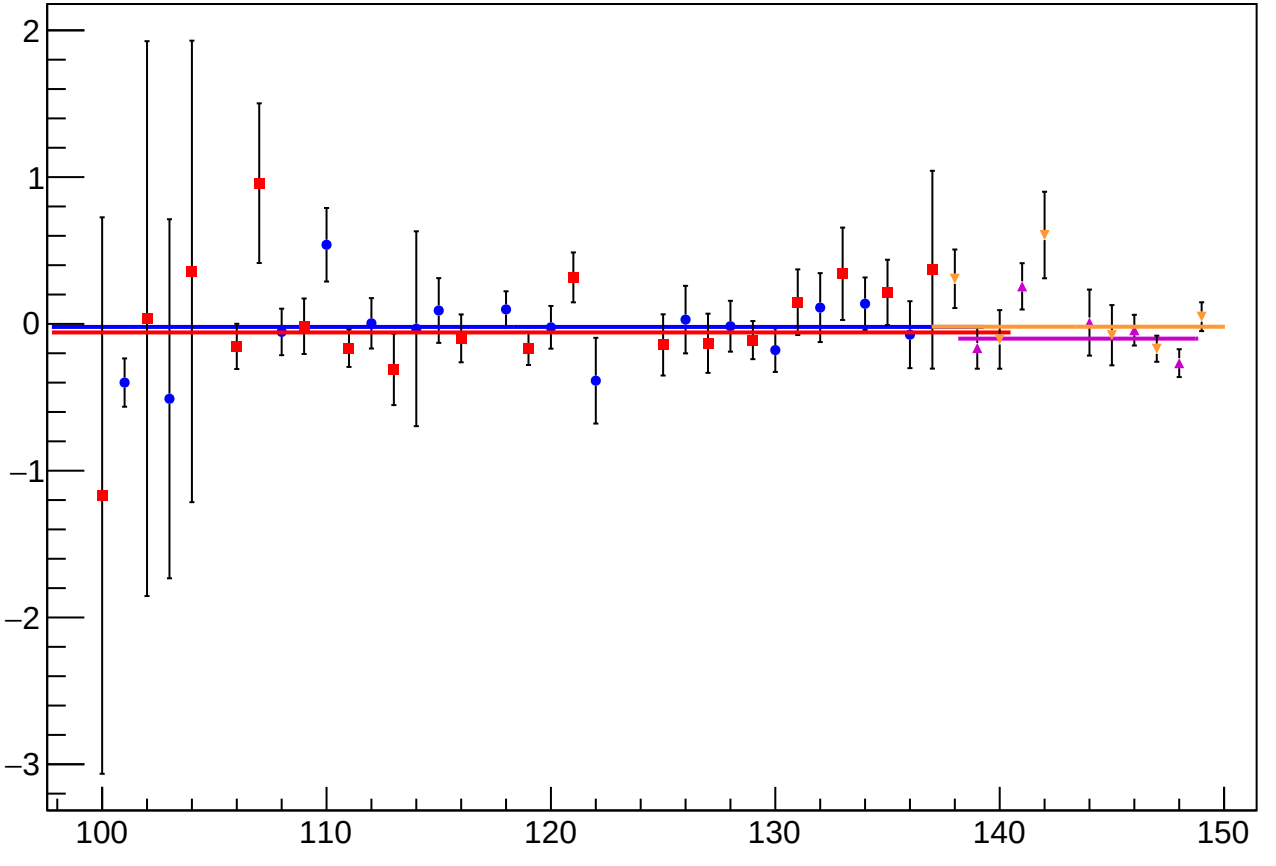
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 109.663+/-0.026 χ^2/NDF:2556905.7/20

Out: 104.450+/-0.025 χ^2/NDF:3915482.6/23

All: 107.011+/-0.018 χ^2/NDF: 6493215.3/44

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: -0.019+/-0.056 χ^2/NDF:10.8/5

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: -0.060+/-0.040 χ^2/NDF: 20.7/10

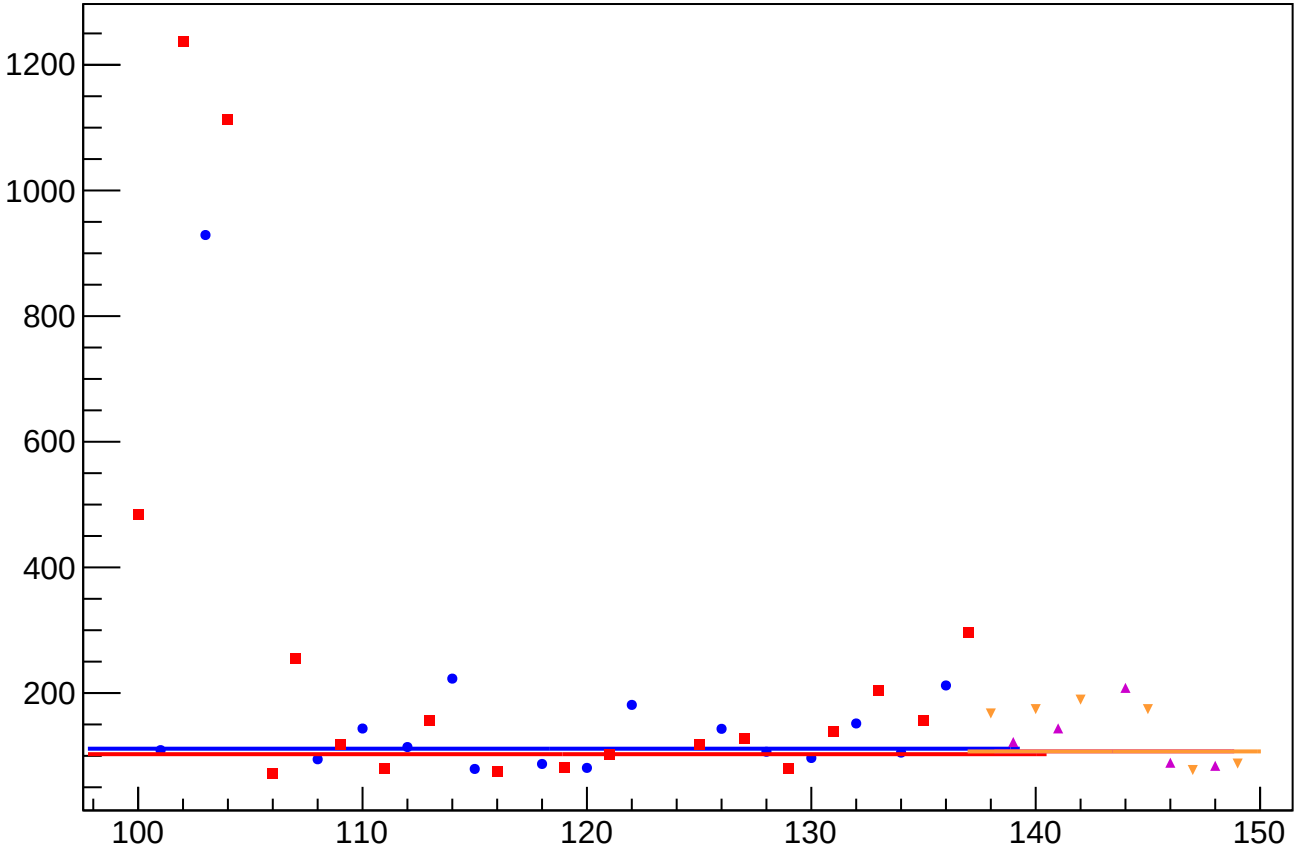
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.054+/-0.036 χ^2/NDF:25.7/20

Out: -0.042+/-0.036 χ^2/NDF:27.9/23

All: -0.048+/-0.026 χ^2/NDF: 53.7/44

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: 107.068+/-0.040 χ^2/NDF:1081368.9/5

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 107.207+/-0.040 χ^2/NDF:711056.6/4

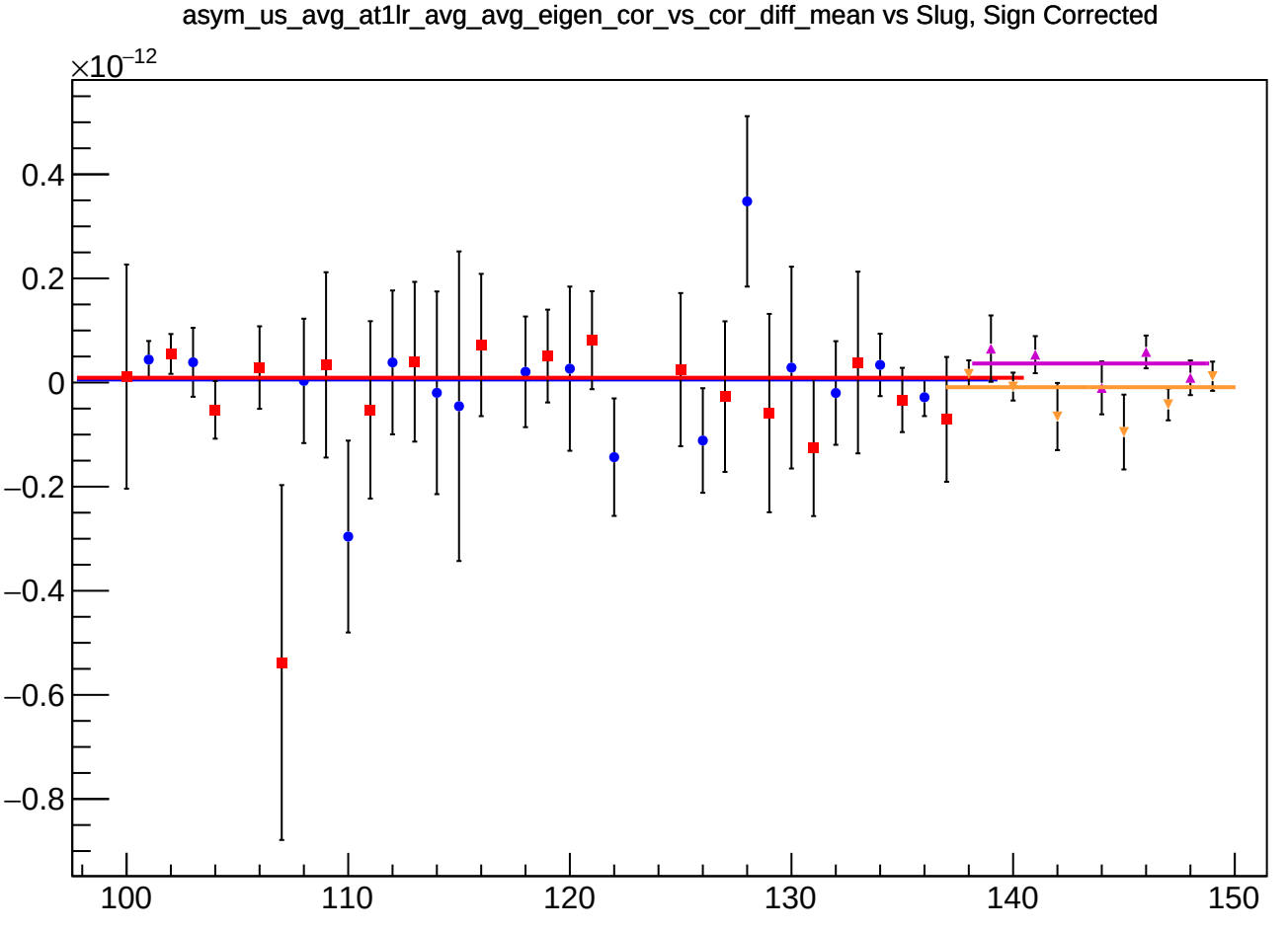
Left: 107.137+/-0.028 χ^2/NDF: 1792431.6/10

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 109.663+/-0.026 χ^2/NDF:2556905.7/20

Out: 104.450+/-0.025 χ^2/NDF:3915482.6/23

All: 107.011+/-0.018 χ^2/NDF: 6493215.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2.5/4

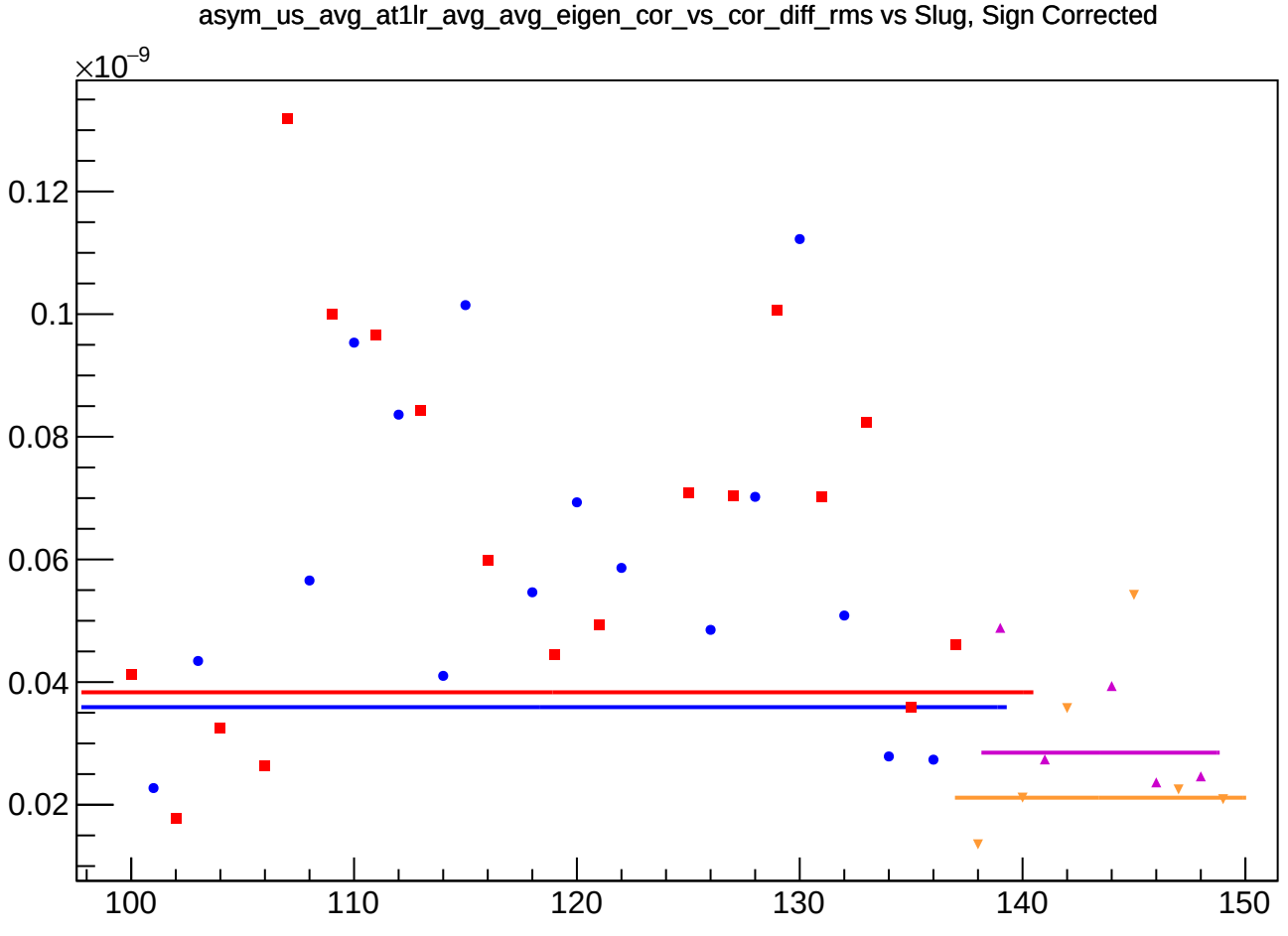
Left: 0.000+/-0.000 χ^2/NDF: 11.7/10

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:14.1/23

All: 0.000+/-0.000 χ^2/NDF: 33.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:697990.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:371877.5/4

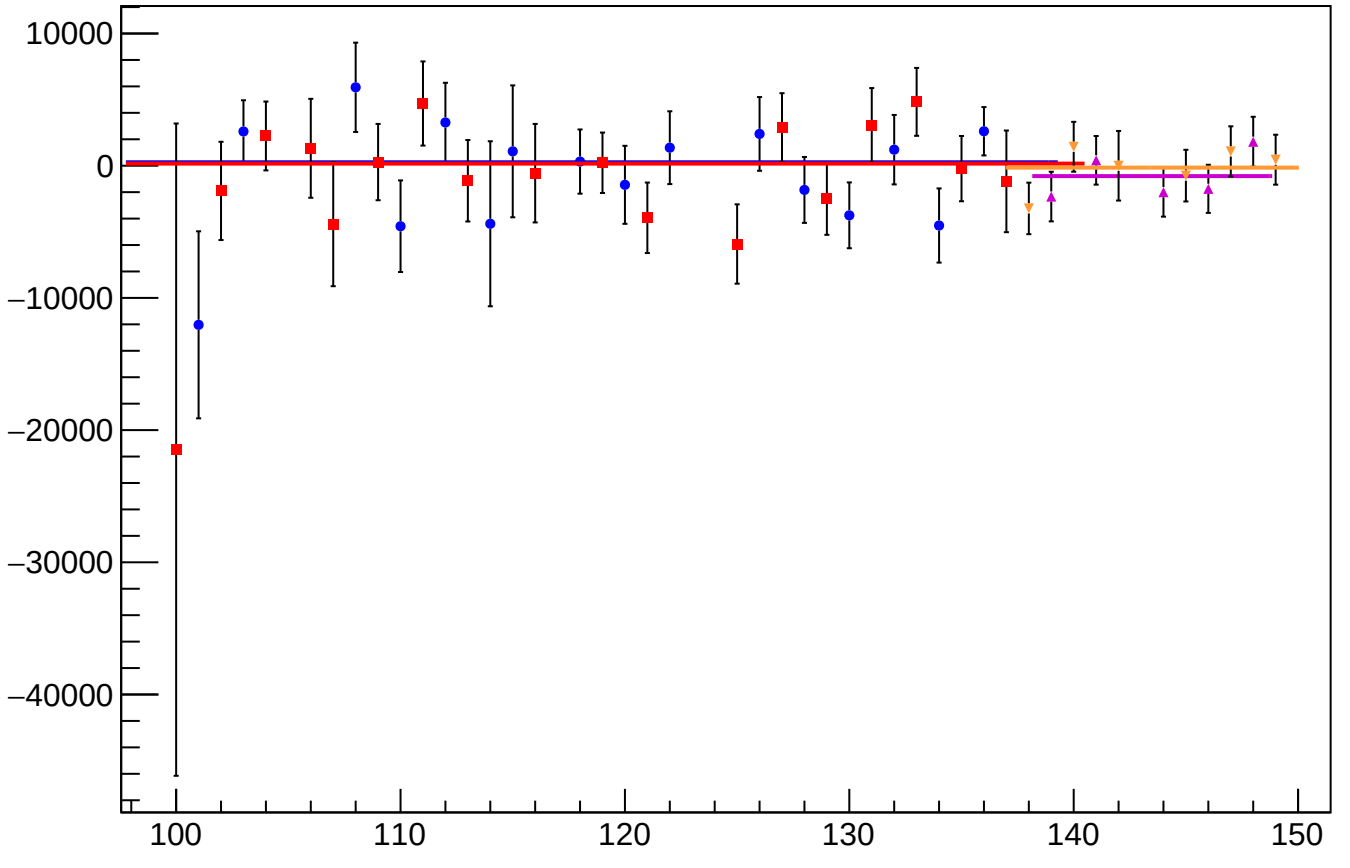
Left: 0.000+/-0.000 χ^2/NDF: 1295389.7/10

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:3815777.5/23

All: 0.000+/-0.000 χ^2/NDF: 6350485.4/44



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -144.725+/-814.496 χ^2/NDF:3.8/5

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -786.091+/-829.336 χ^2/NDF:3.7/4

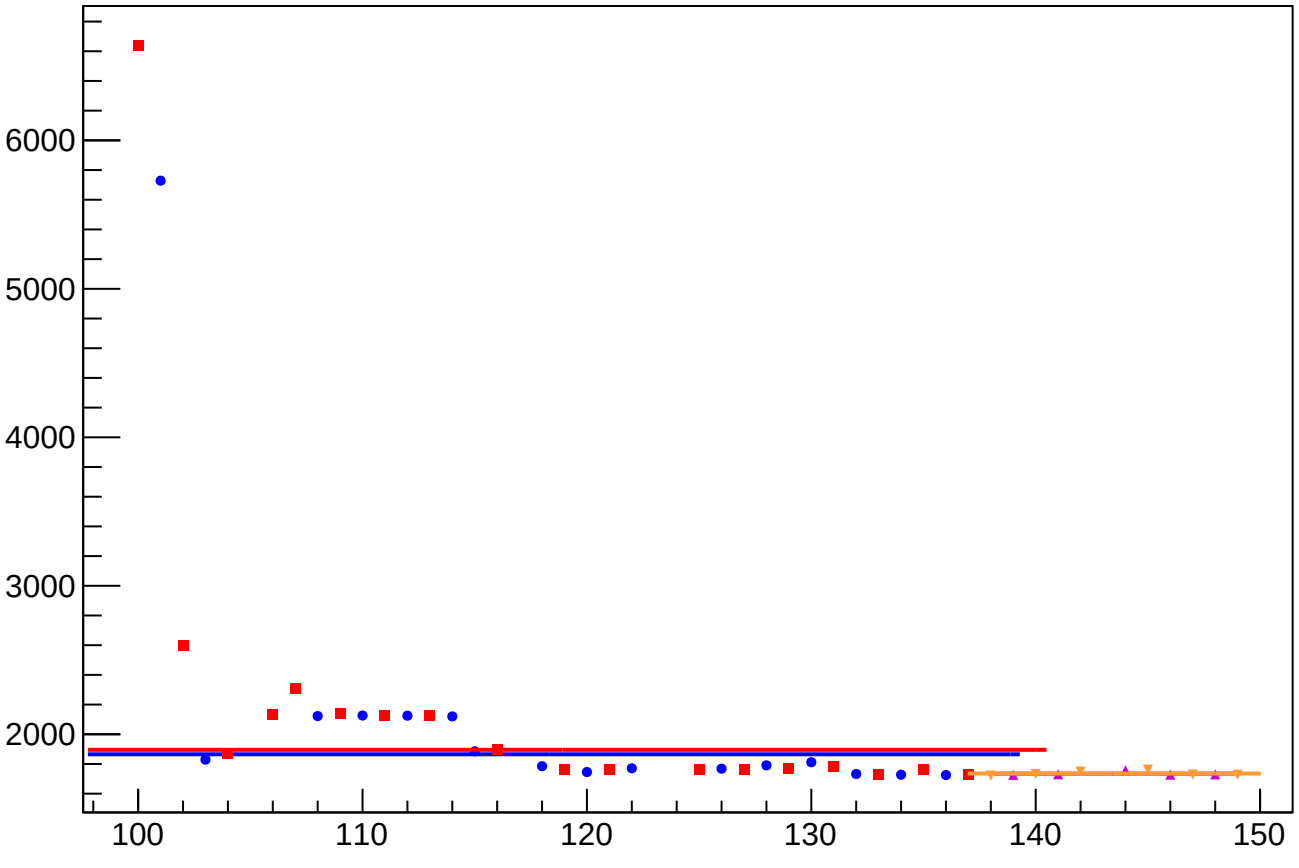
Left: -459.618+/-581.111 χ^2/NDF: 7.8/10

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -182.504+/-539.216 χ^2/NDF:24.1/20

Out: 27.561+/-536.192 χ^2/NDF:22.0/23

All: -76.881+/-380.210 χ^2/NDF: 46.1/44



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.558+/-0.576 χ^2/NDF:580.4/5

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: 1735.147+/-0.411 χ^2/NDF: 981.3/10

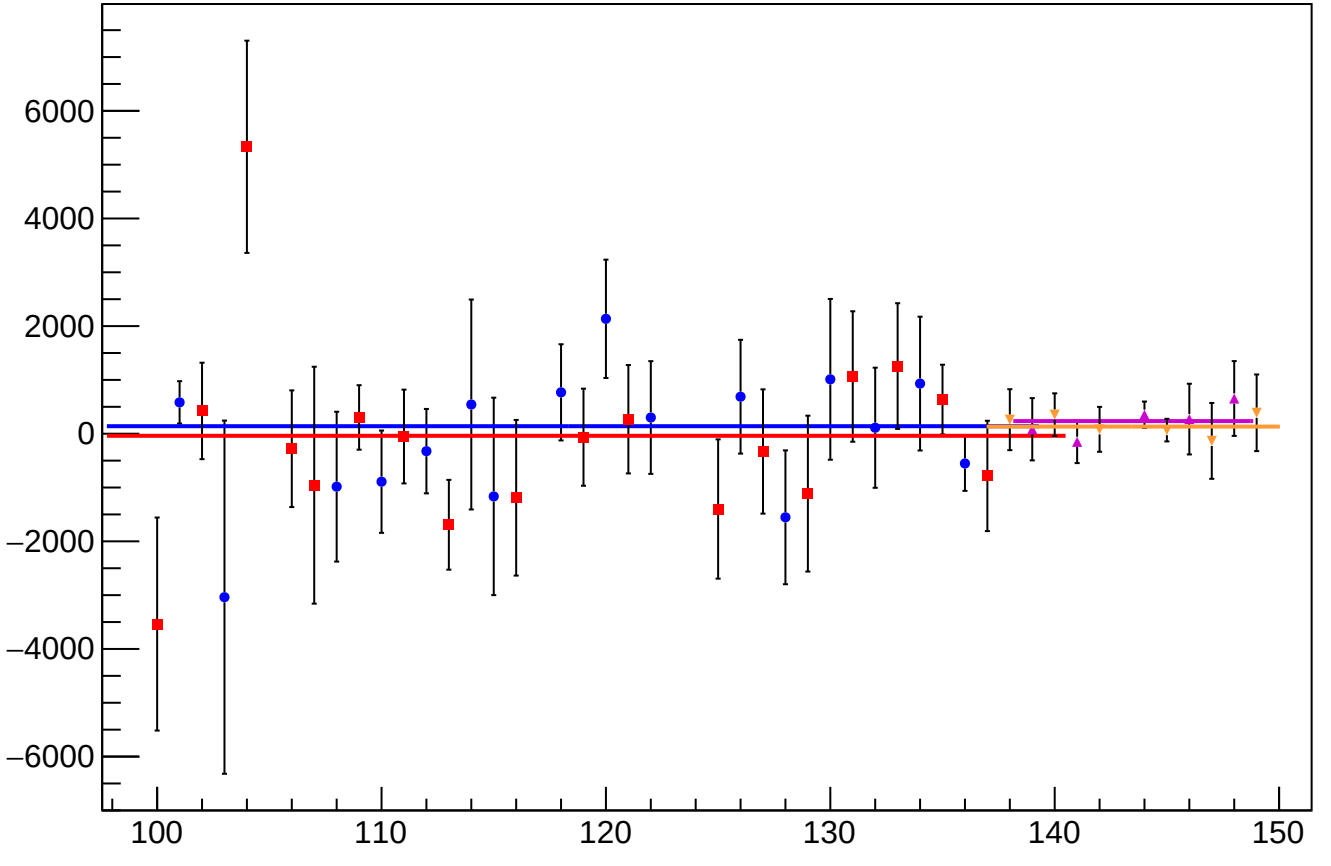
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1810.025+/-0.381 χ^2/NDF:701689.5/20

Out: 1826.044+/-0.379 χ^2/NDF:294949.8/23

All: 1818.079+/-0.269 χ^2/NDF: 997526.7/44

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 132.548+/-154.441 χ^2/NDF:0.8/5

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 234.756+/-181.283 χ^2/NDF:1.6/4

Left: 175.532+/-117.562 χ^2/NDF: 2.6/10

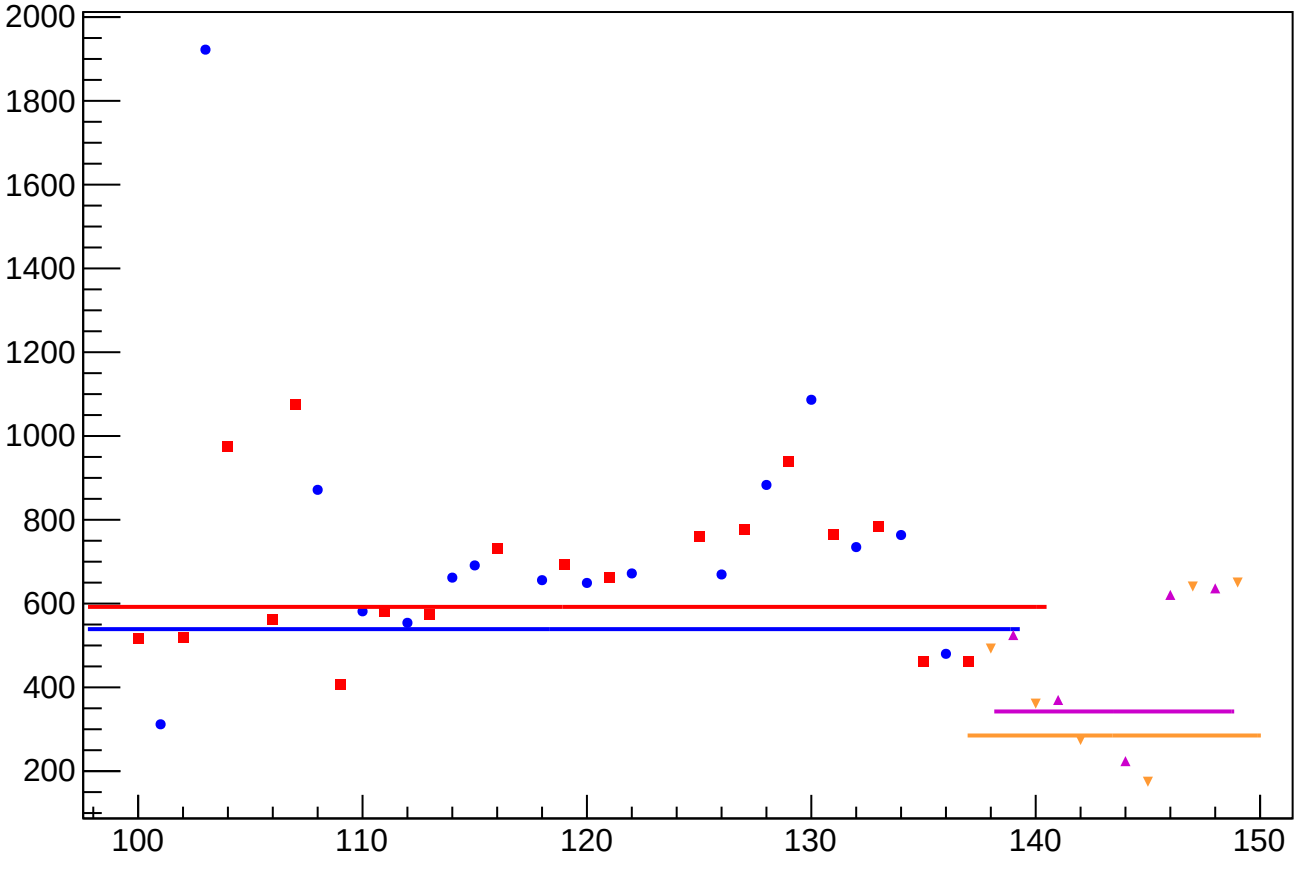
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 196.375+/-139.930 χ^2/NDF:15.2/20

Out: 81.902+/-129.595 χ^2/NDF:22.5/23

All: 134.756+/-95.082 χ^2/NDF: 38.1/44

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: 285.120+/-0.109 χ^2/NDF:1930449.1/5

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: 309.237+/-0.083 χ^2/NDF: 3439473.4/10

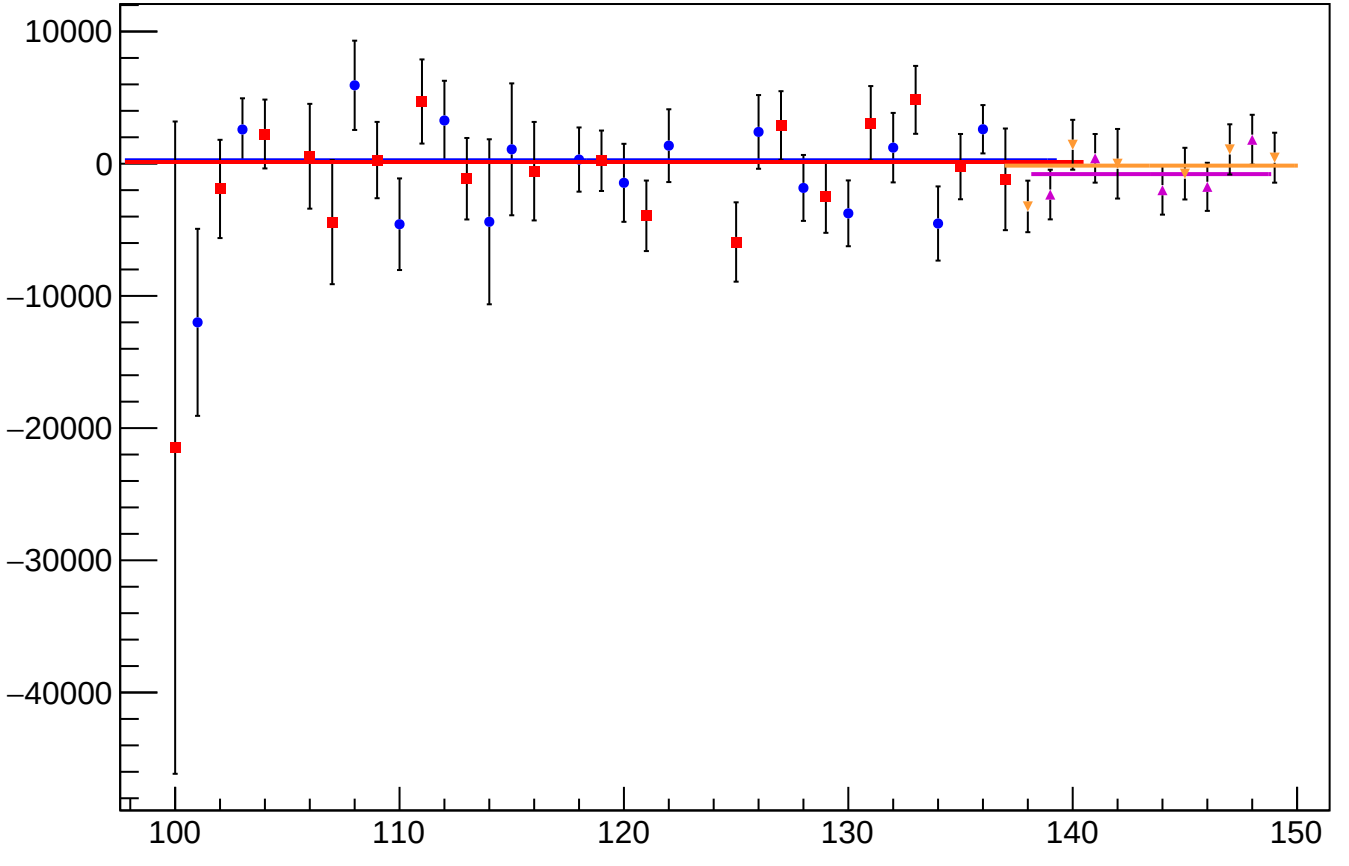
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 421.908+/-0.099 χ^2/NDF:4197915.3/20

Out: 375.947+/-0.092 χ^2/NDF:5111422.2/23

All: 397.168+/-0.067 χ^2/NDF: 9425485.3/44

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -144.541+/-814.496 χ^2/NDF:3.8/5

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -786.233+/-829.336 χ^2/NDF:3.7/4

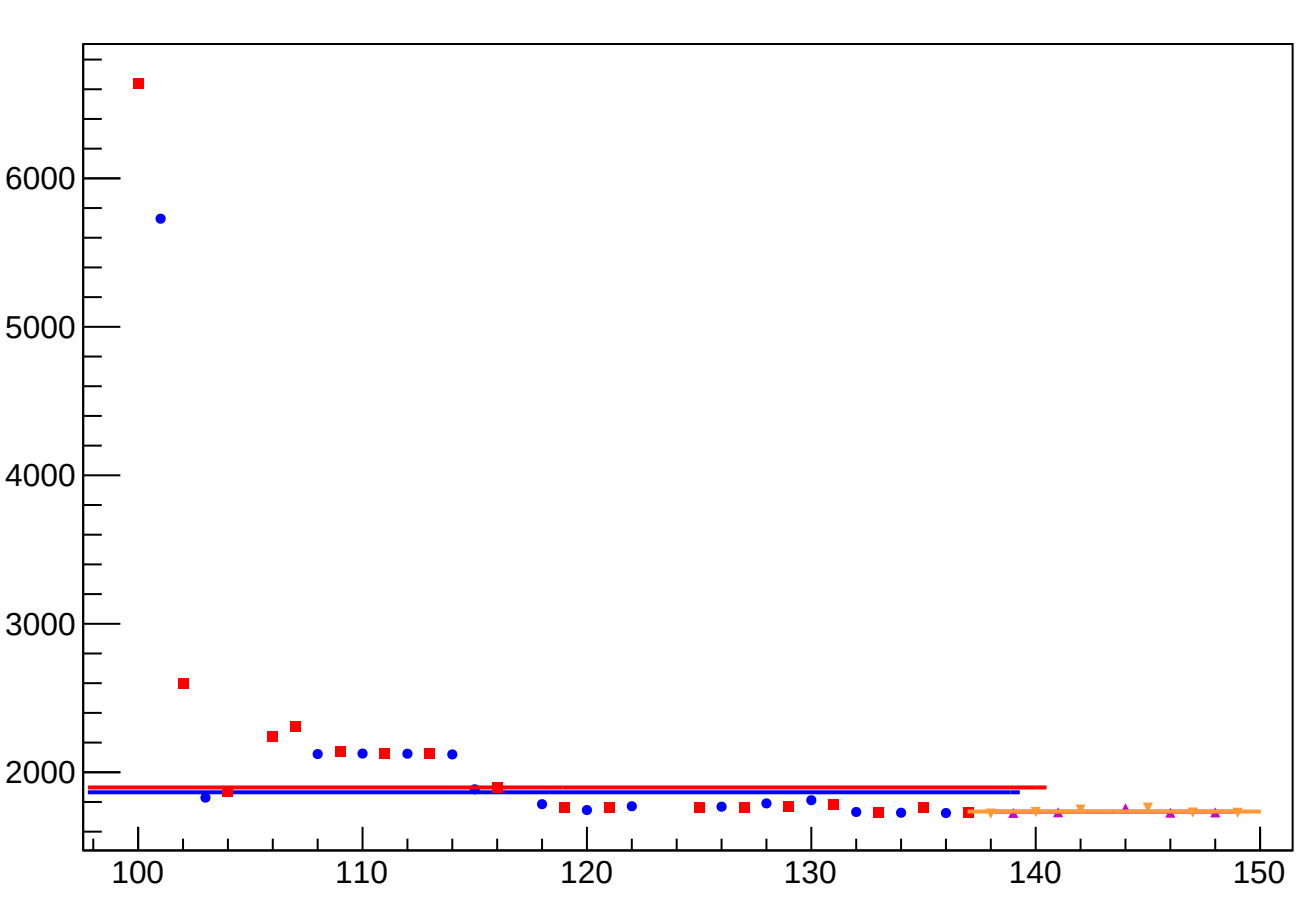
Left: -459.594+/-581.111 χ^2/NDF: 7.8/10

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -182.456+/-539.217 χ^2/NDF:24.0/20

Out: 10.782+/-536.792 χ^2/NDF:21.9/23

All: -85.401+/-380.424 χ^2/NDF: 46.0/44



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.558+/-0.576 χ^2/NDF:580.4/5

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.721+/-0.586 χ^2/NDF:399.9/4

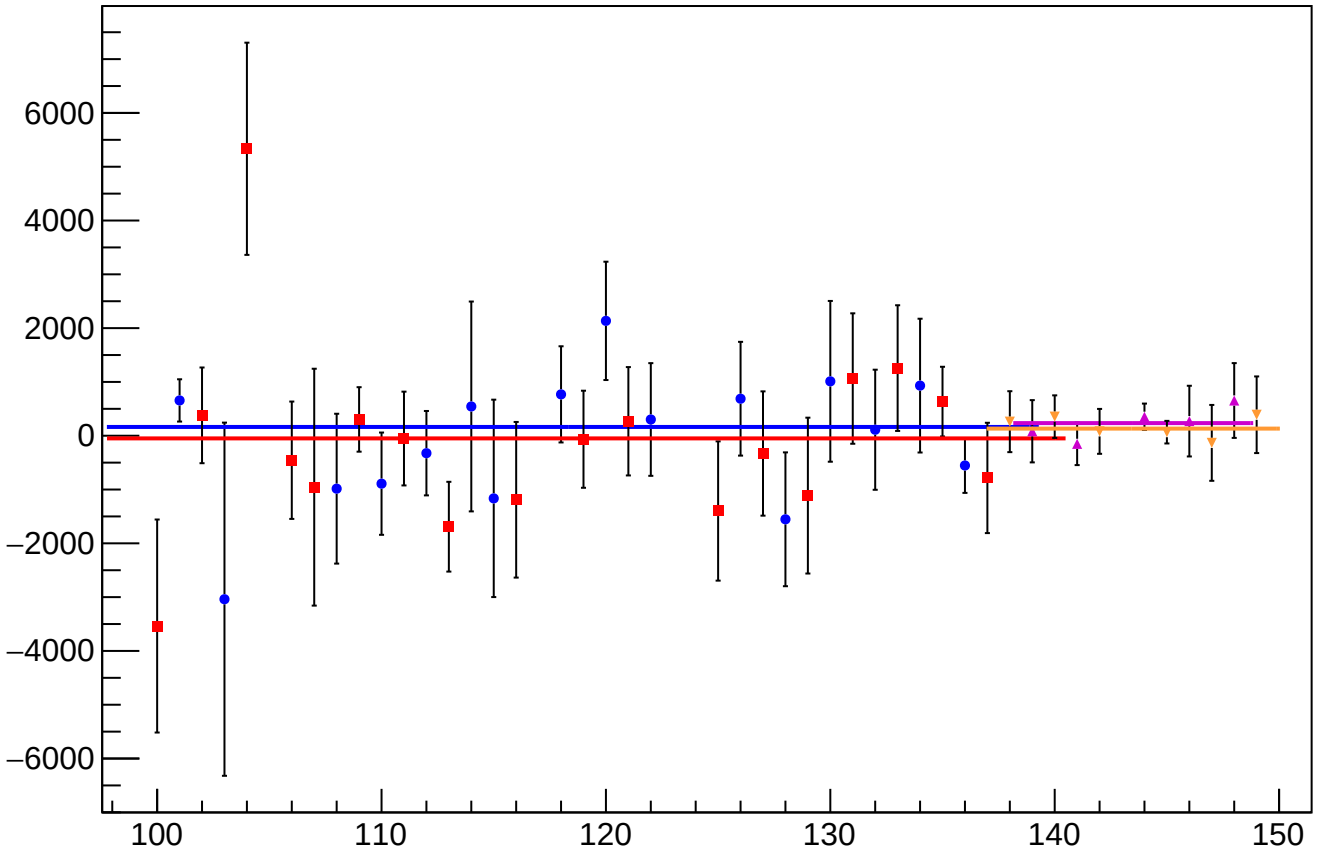
Left: 1735.147+/-0.411 χ^2/NDF: 981.3/10

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1810.025+/-0.381 χ^2/NDF:701689.4/20

Out: 1827.275+/-0.380 χ^2/NDF:303148.5/23

All: 1818.689+/-0.269 χ^2/NDF: 1005865.9/44



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 132.410+/-154.445 χ^2/NDF:0.8/5

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: 175.442+/-117.564 χ^2/NDF: 2.6/10

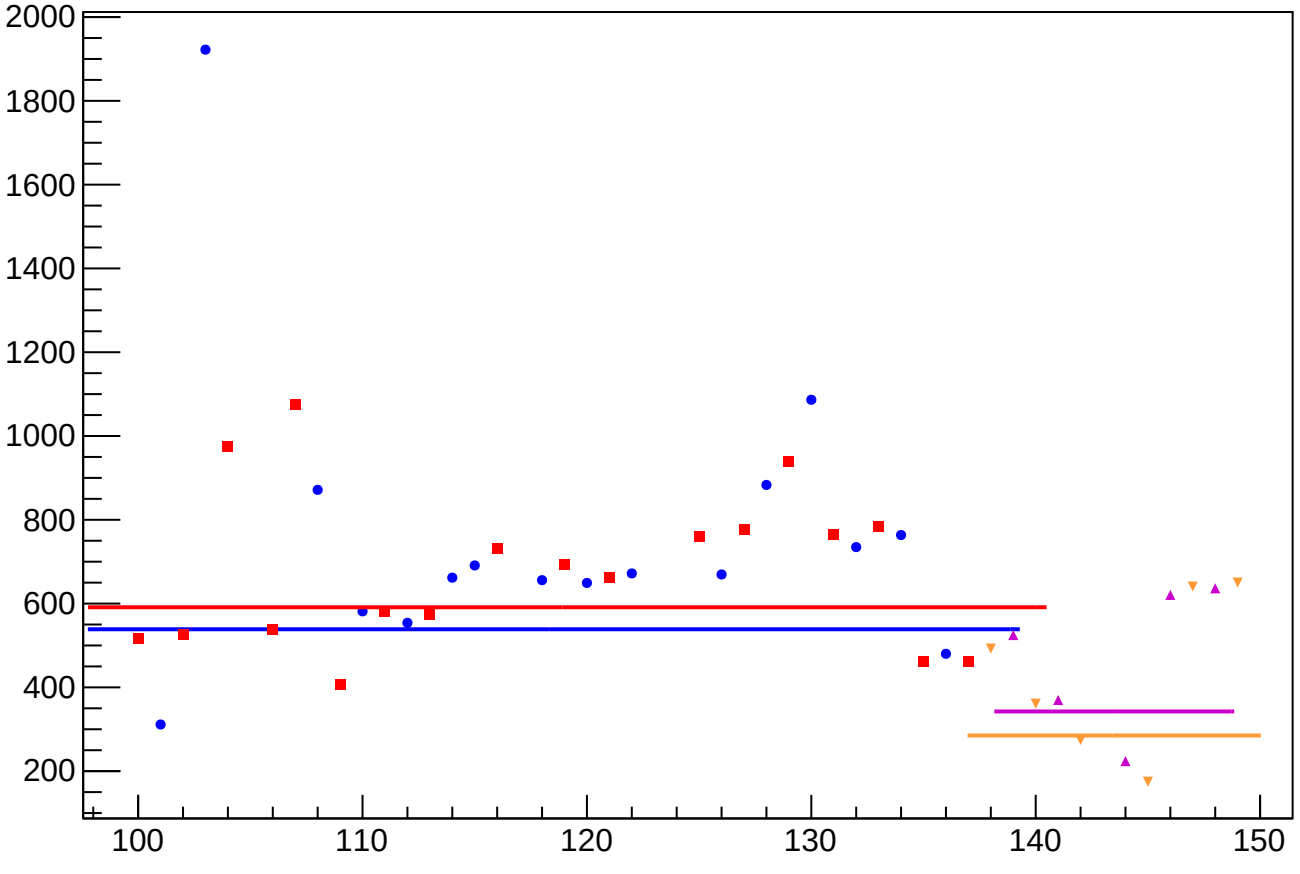
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 205.786+/-139.911 χ^2/NDF:15.6/20

Out: 78.534+/-129.588 χ^2/NDF:22.6/23

All: 137.293+/-95.073 χ^2/NDF: 38.6/44

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: 285.127+/-0.109 χ^2/NDF:1930413.8/5

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

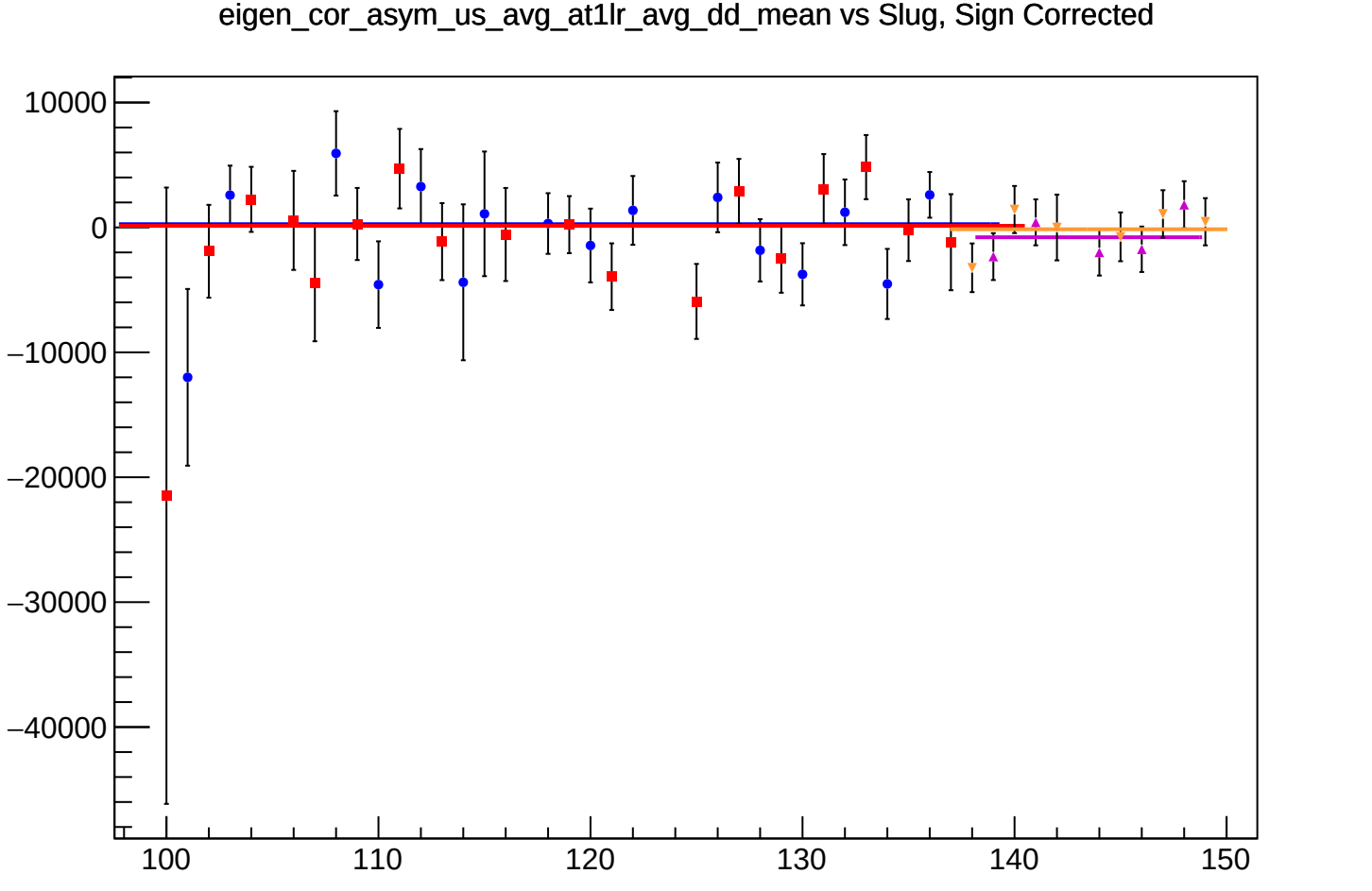
Left: 309.245+/-0.083 χ^2/NDF: 3439302.6/10

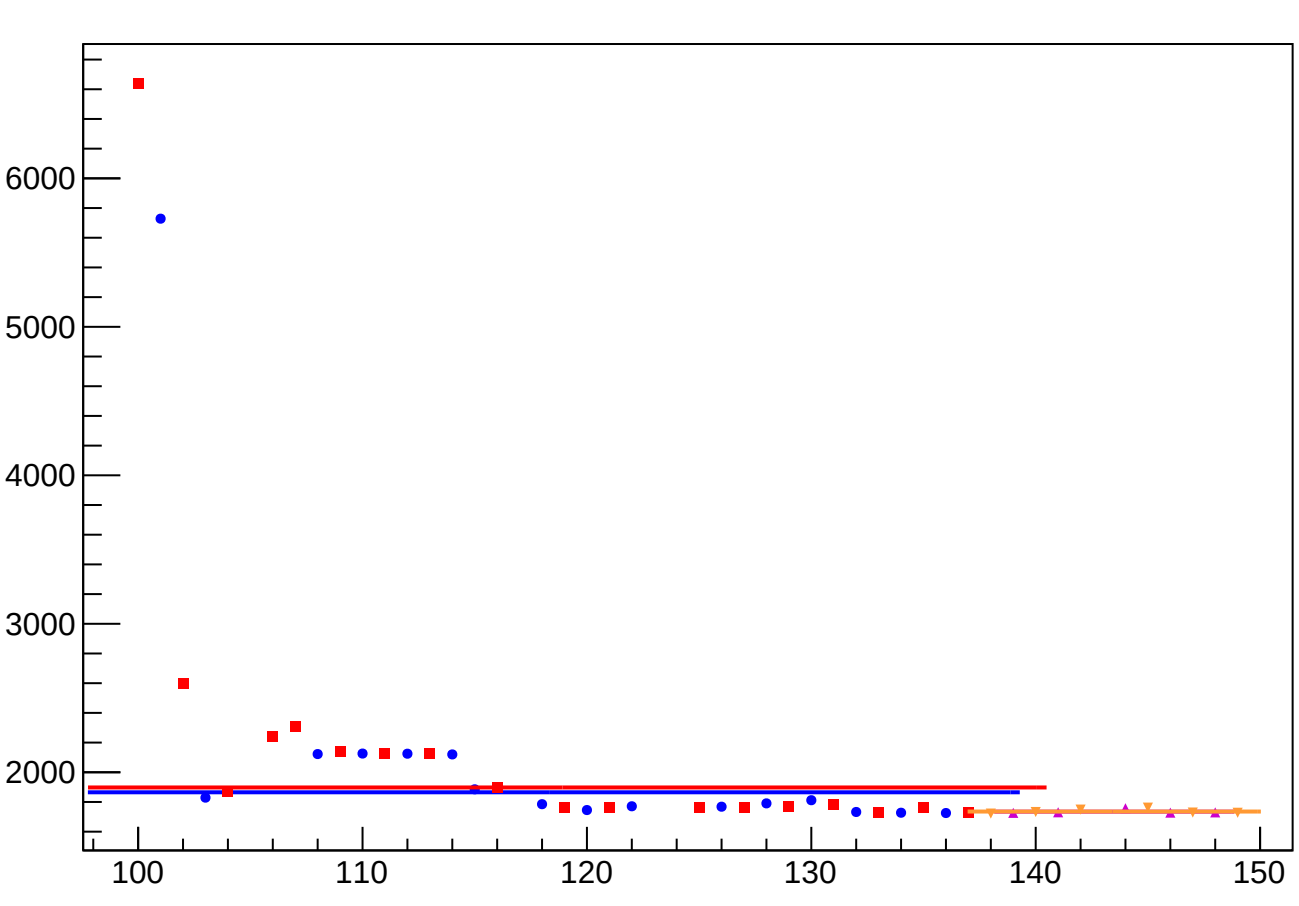
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 421.821+/-0.099 χ^2/NDF:4199352.8/20

Out: 375.730+/-0.092 χ^2/NDF:5100412.9/23

All: 397.013+/-0.067 χ^2/NDF: 9416594.3/44


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: -144.541+/-814.496 χ²/NDF:3.8/5
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -786.233+/-829.336 χ²/NDF:3.7/4
Left: -459.594+/-581.111 χ²/NDF: 7.8/10
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -182.456+/-539.217 χ²/NDF:24.0/20
Out: 10.782+/-536.792 χ²/NDF:21.9/23
All: -85.401+/-380.424 χ²/NDF: 46.0/44



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.558+/-0.576 χ^2/NDF:580.4/5

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: 1735.147+/-0.411 χ^2/NDF: 981.3/10

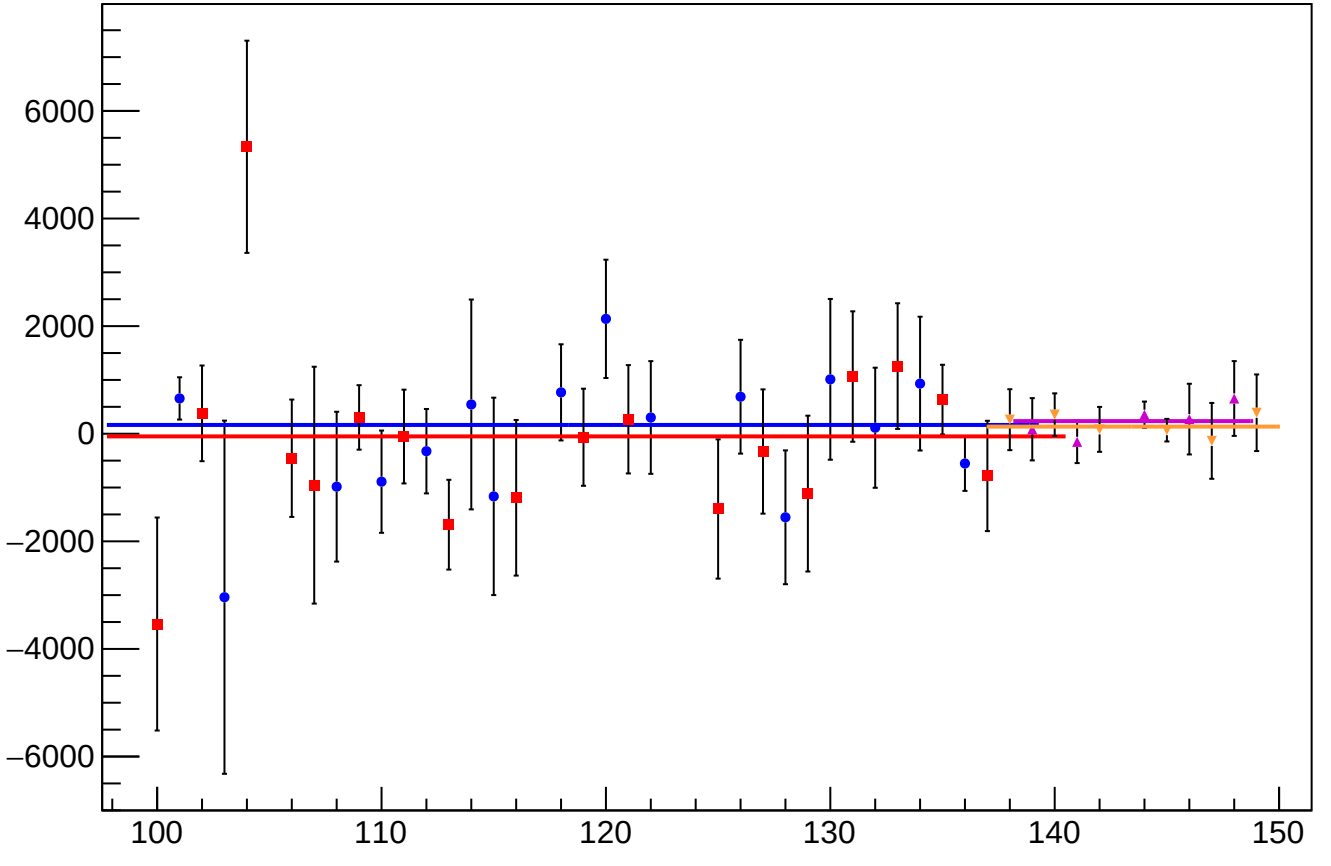
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1810.025+/-0.381 χ^2/NDF:701689.4/20

Out: 1827.275+/-0.380 χ^2/NDF:303148.5/23

All: 1818.689+/-0.269 χ^2/NDF: 1005865.9/44

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 132.410+/-154.445 χ^2/NDF:0.8/5

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: 175.442+/-117.564 χ^2/NDF: 2.6/10

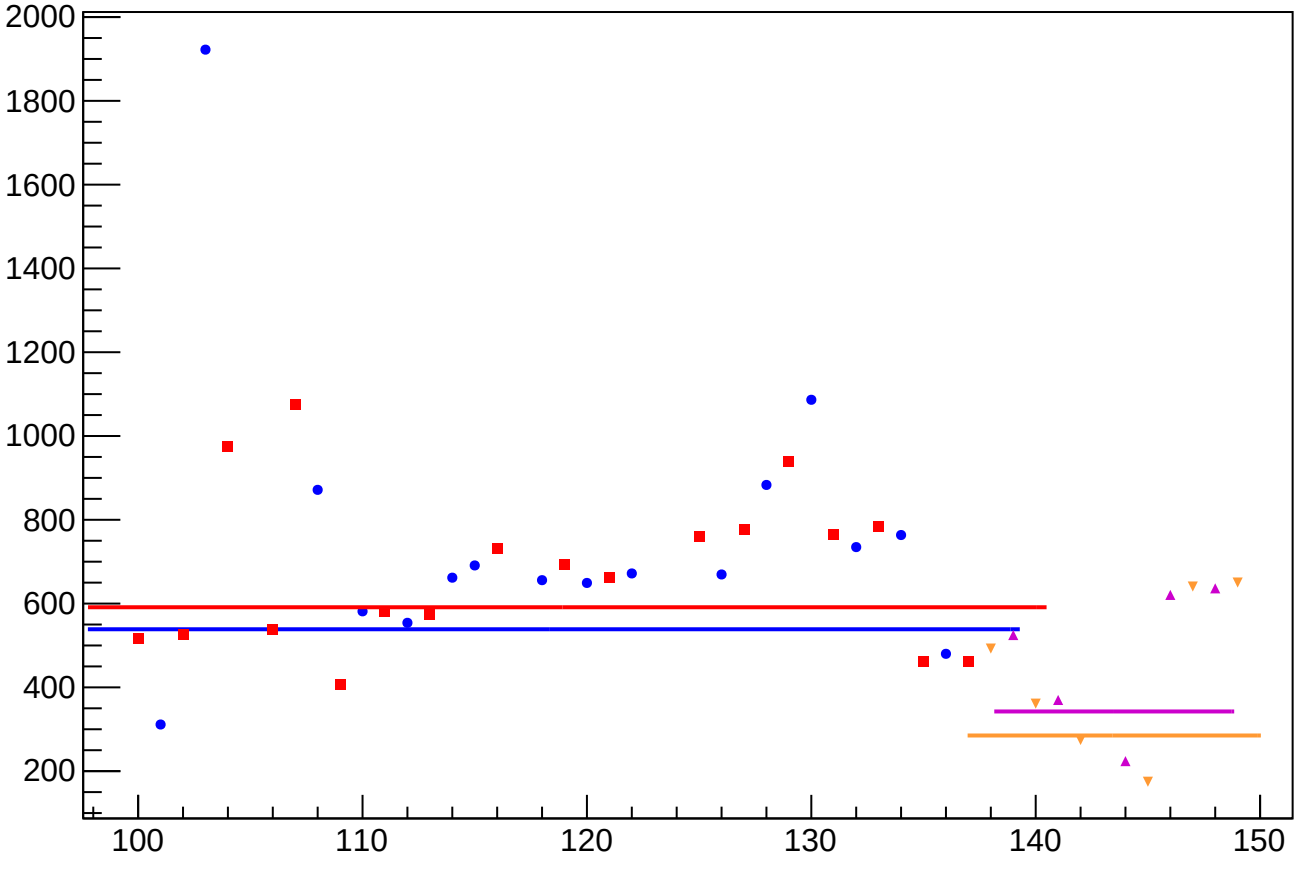
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 205.786+/-139.911 χ^2/NDF:15.6/20

Out: 78.534+/-129.588 χ^2/NDF:22.6/23

All: 137.293+/-95.073 χ^2/NDF: 38.6/44

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: 285.127+/-0.109 χ^2/NDF:1930413.8/5

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 342.475+/-0.128 χ^2/NDF:1392917.6/4

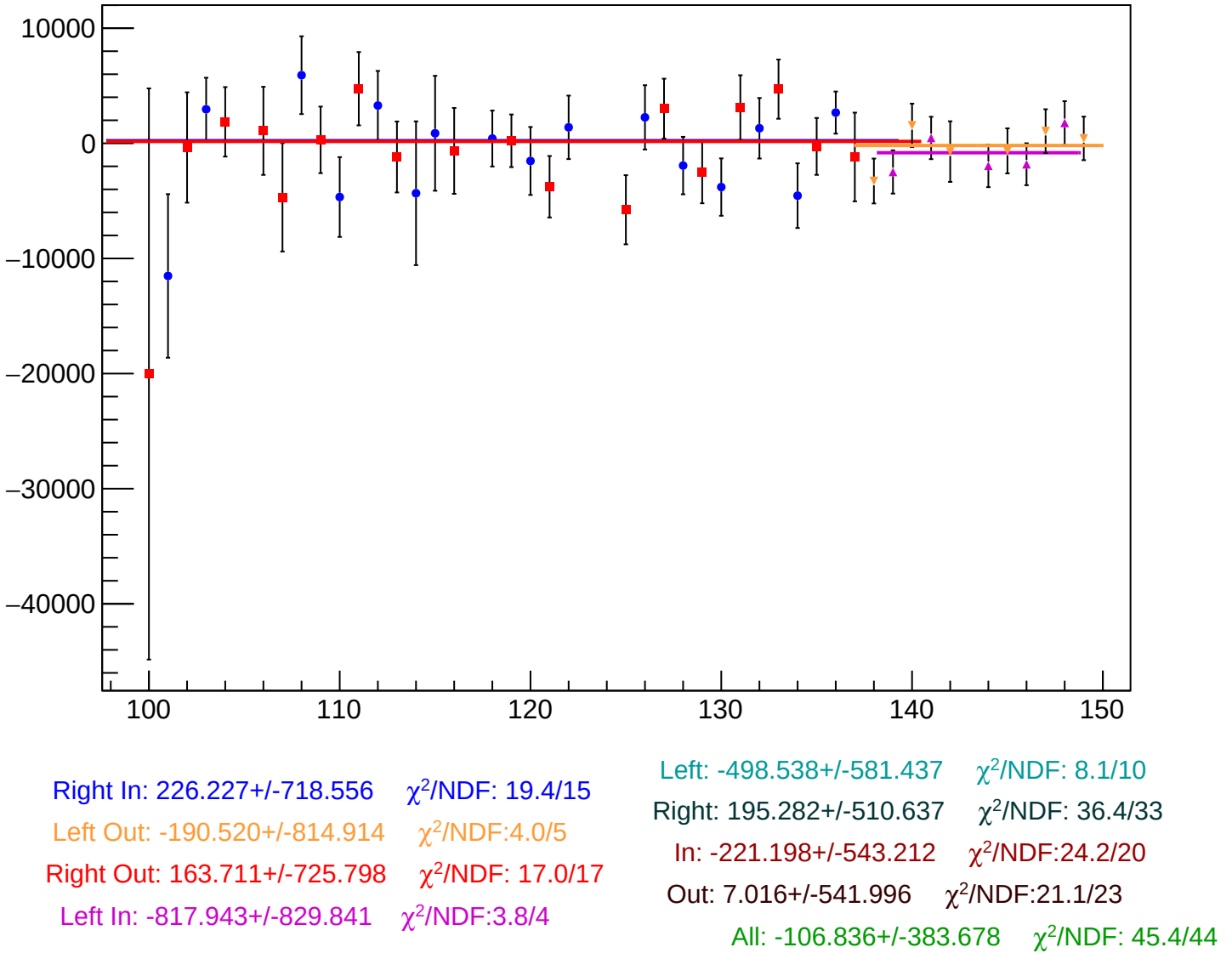
Left: 309.245+/-0.083 χ^2/NDF: 3439302.6/10

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

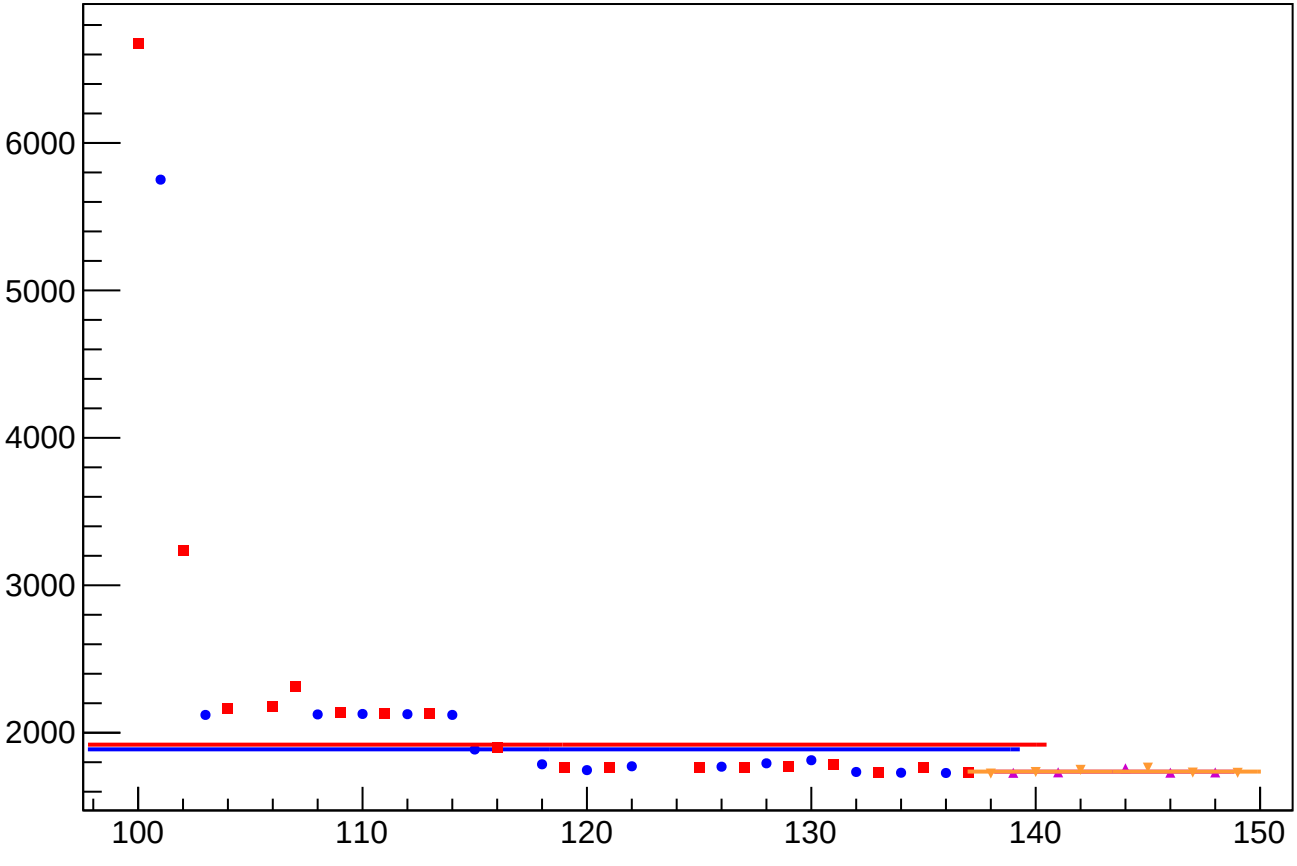
In: 421.821+/-0.099 χ^2/NDF:4199352.8/20

Out: 375.730+/-0.092 χ^2/NDF:5100412.9/23

All: 397.013+/-0.067 χ^2/NDF: 9416594.3/44


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: -190.520+/-814.914 χ²/NDF:4.0/5
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -817.943+/-829.841 χ²/NDF:3.8/4
Left: -498.538+/-581.437 χ²/NDF: 8.1/10
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -221.198+/-543.212 χ²/NDF:24.2/20
Out: 7.016+/-541.996 χ²/NDF:21.1/23
All: -106.836+/-383.678 χ²/NDF: 45.4/44

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1736.445+/-0.576 χ^2/NDF:577.4/5

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.772+/-0.587 χ^2/NDF:391.1/4

Left: 1736.115+/-0.411 χ^2/NDF: 969.2/10

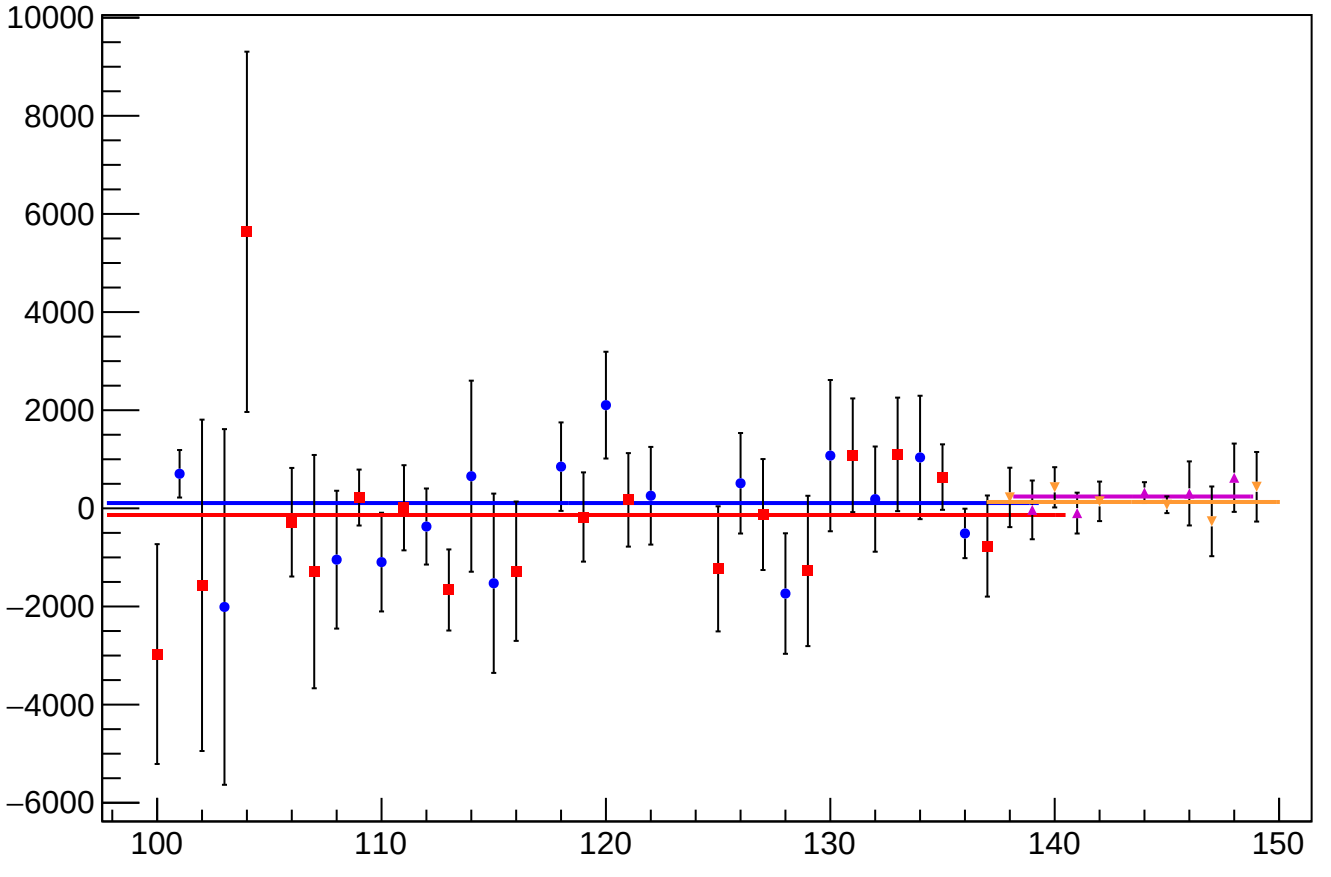
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1822.376+/-0.384 χ^2/NDF:727949.1/20

Out: 1838.338+/-0.383 χ^2/NDF:409215.2/23

All: 1830.375+/-0.271 χ^2/NDF: 1138029.6/44

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: 129.640+/-136.997 χ^2/NDF:1.2/5

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 241.196+/-168.644 χ^2/NDF:1.3/4

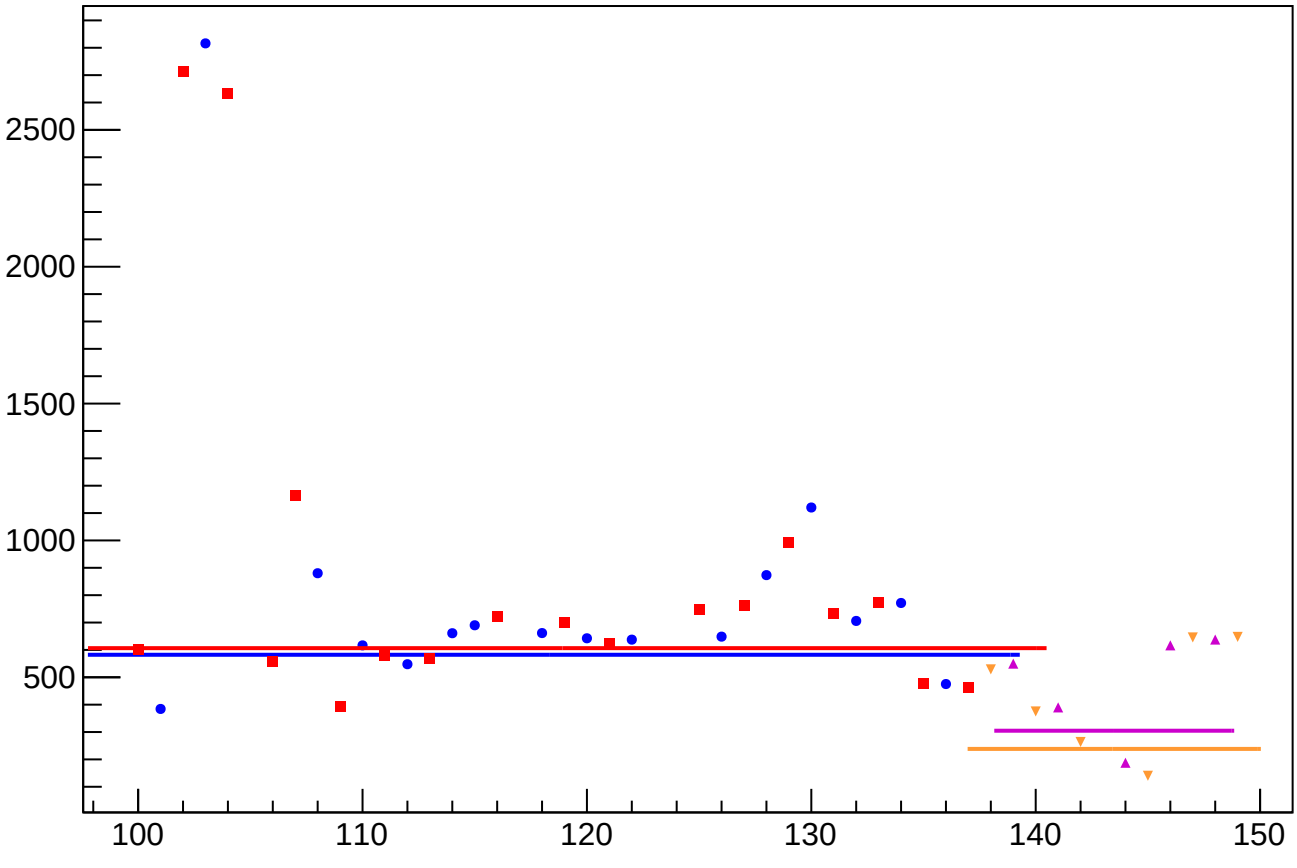
Left: 173.989+/-106.333 χ^2/NDF: 2.7/10

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 195.117+/-136.353 χ^2/NDF:15.7/20

Out: 66.884+/-119.681 χ^2/NDF:16.4/23

All: 122.686+/-89.947 χ^2/NDF: 32.6/44



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 238.337+/-0.097 χ^2/NDF:2678578.6/5

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 304.789+/-0.119 χ^2/NDF:1941189.2/4

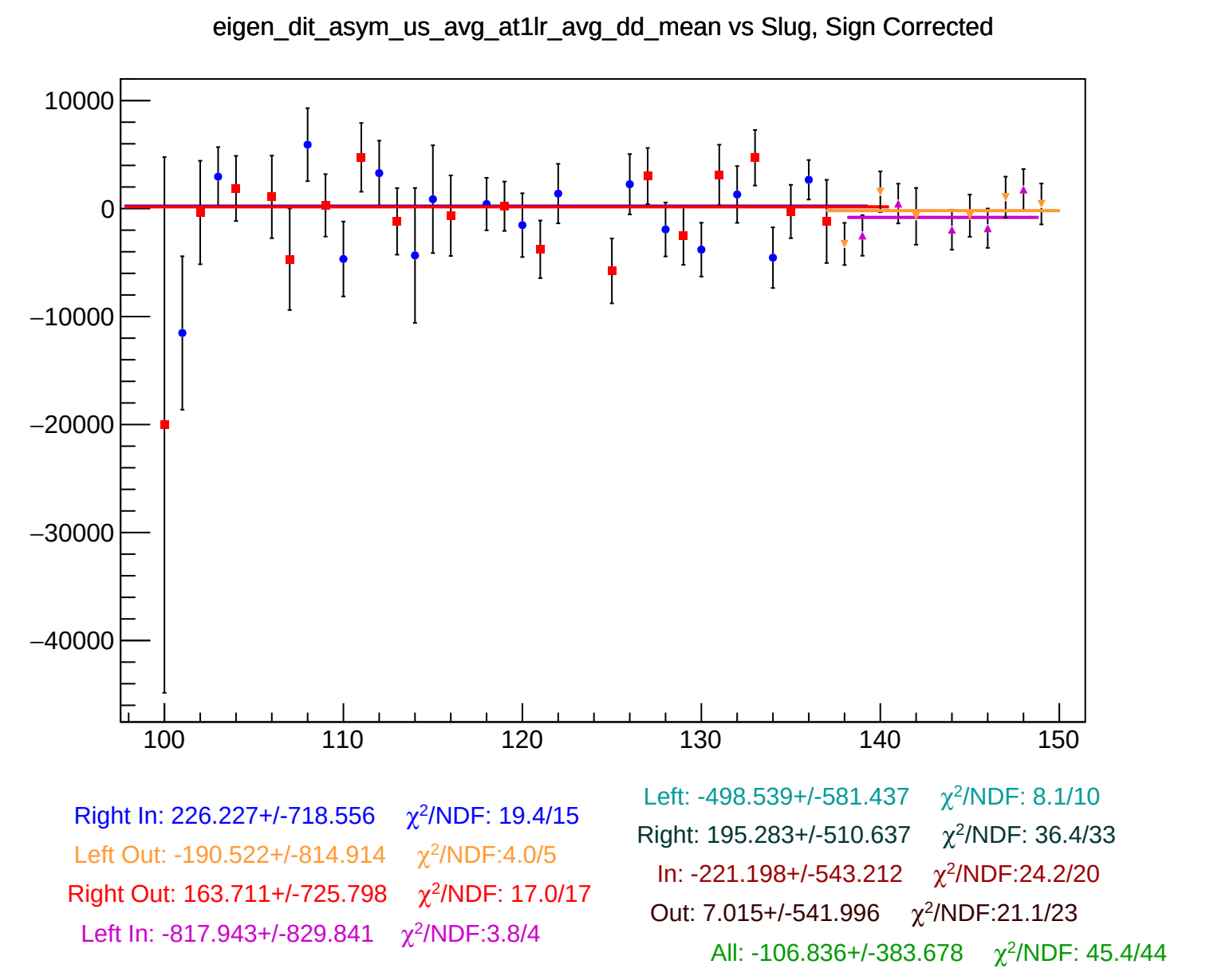
Left: 264.755+/-0.075 χ^2/NDF: 4806844.4/10

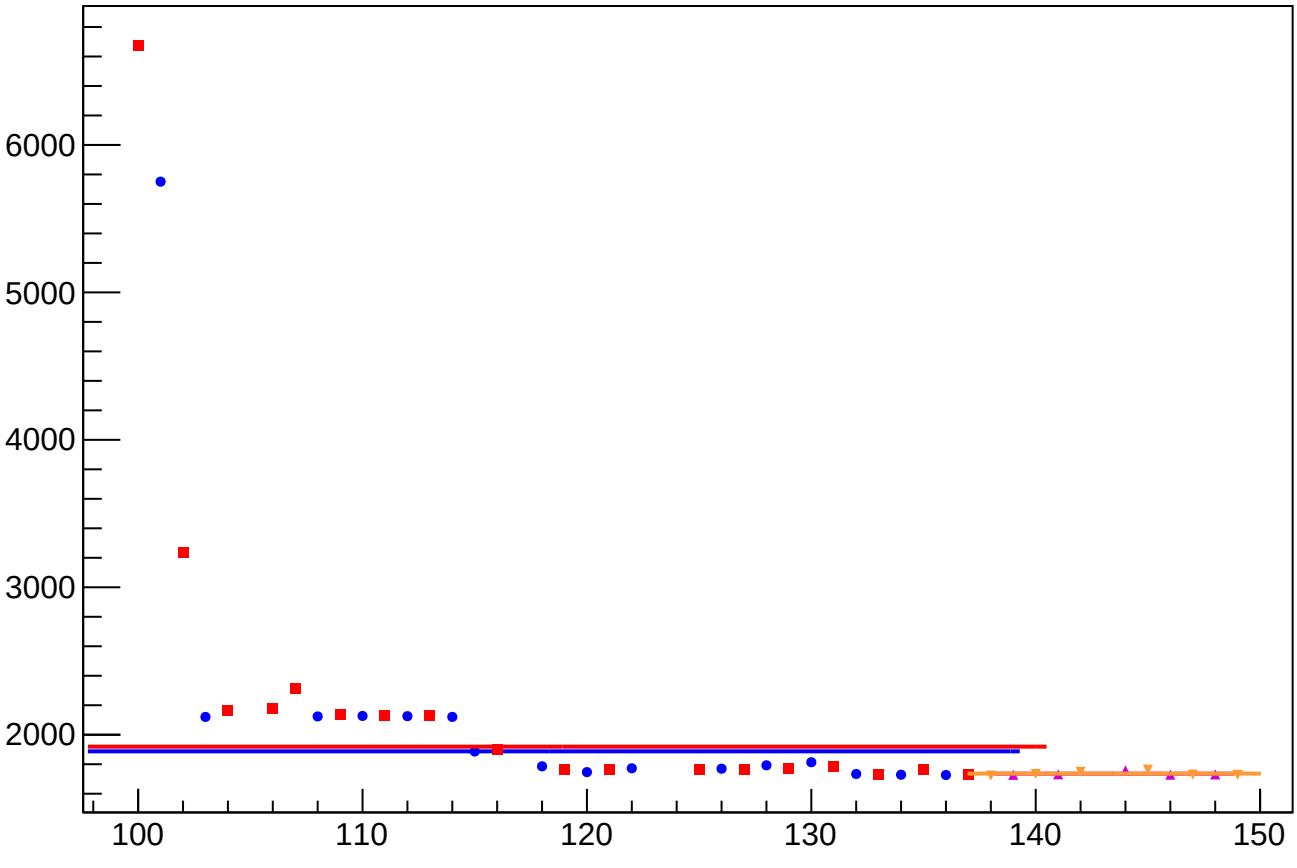
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 400.877+/-0.096 χ^2/NDF:5570449.6/20

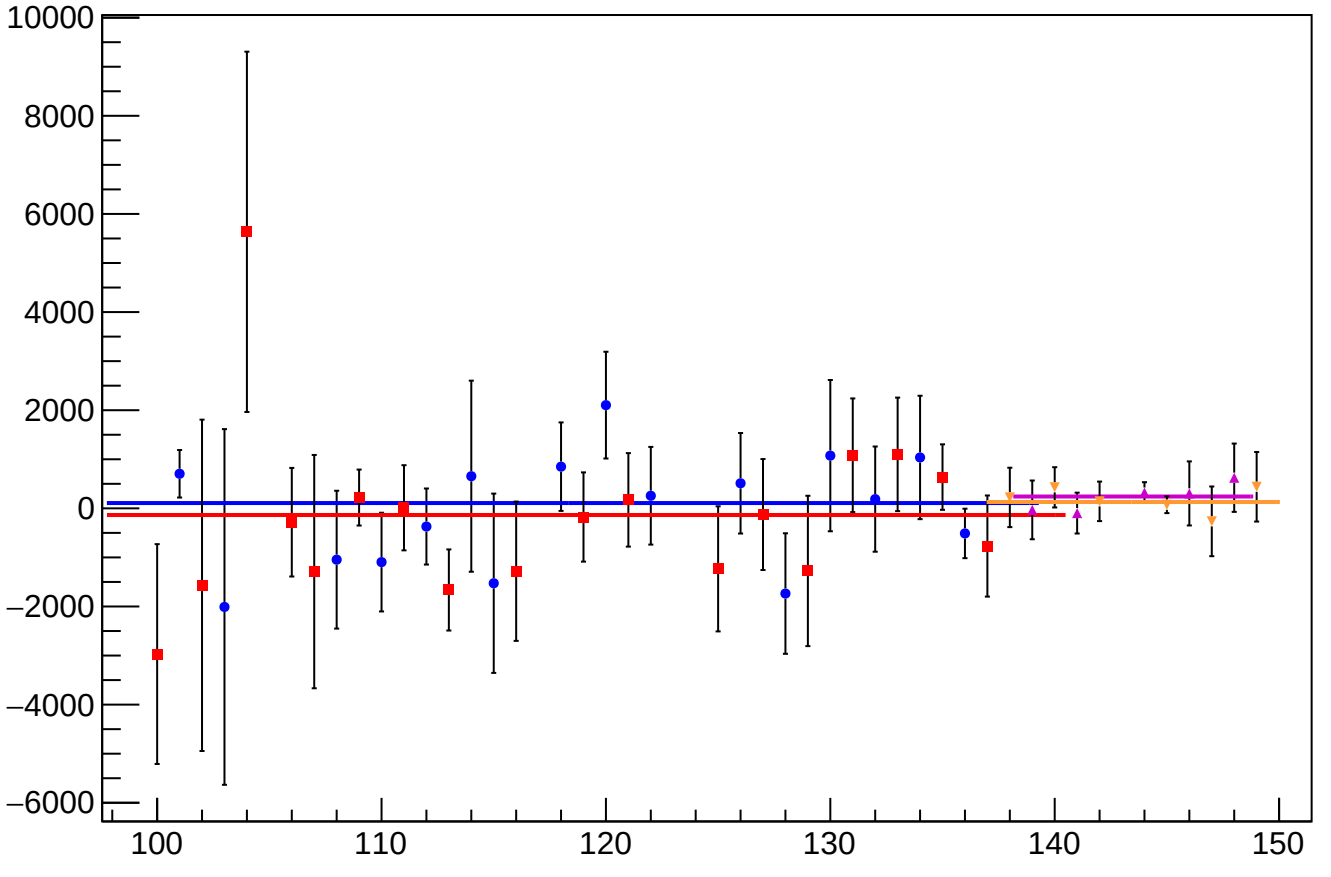
Out: 325.513+/-0.085 χ^2/NDF:8296680.6/23

All: 358.308+/-0.064 χ^2/NDF: 14212242.9/44


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: -190.522+/-814.914 χ²/NDF:4.0/5
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -817.943+/-829.841 χ²/NDF:3.8/4
Left: -498.539+/-581.437 χ²/NDF: 8.1/10
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -221.198+/-543.212 χ²/NDF:24.2/20
Out: 7.015+/-541.996 χ²/NDF:21.1/23
All: -106.836+/-383.678 χ²/NDF: 45.4/44


eigen_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: 689442.4/15
Left Out: 1736.445+/-0.576 χ²/NDF:577.4/5
Right Out: 1919.164+/-0.513 χ²/NDF: 352566.4/17
Left In: 1735.772+/-0.587 χ²/NDF:391.1/4
Left: 1736.115+/-0.411 χ²/NDF: 969.2/10
Right: 1903.077+/-0.361 χ²/NDF: 1043954.3/33
In: 1822.376+/-0.384 χ²/NDF:727948.7/20
Out: 1838.338+/-0.383 χ²/NDF:409214.4/23
All: 1830.375+/-0.271 χ²/NDF: 1138028.4/44

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: 129.638+/-136.997 χ^2/NDF:1.2/5

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: 173.988+/-106.334 χ^2/NDF: 2.7/10

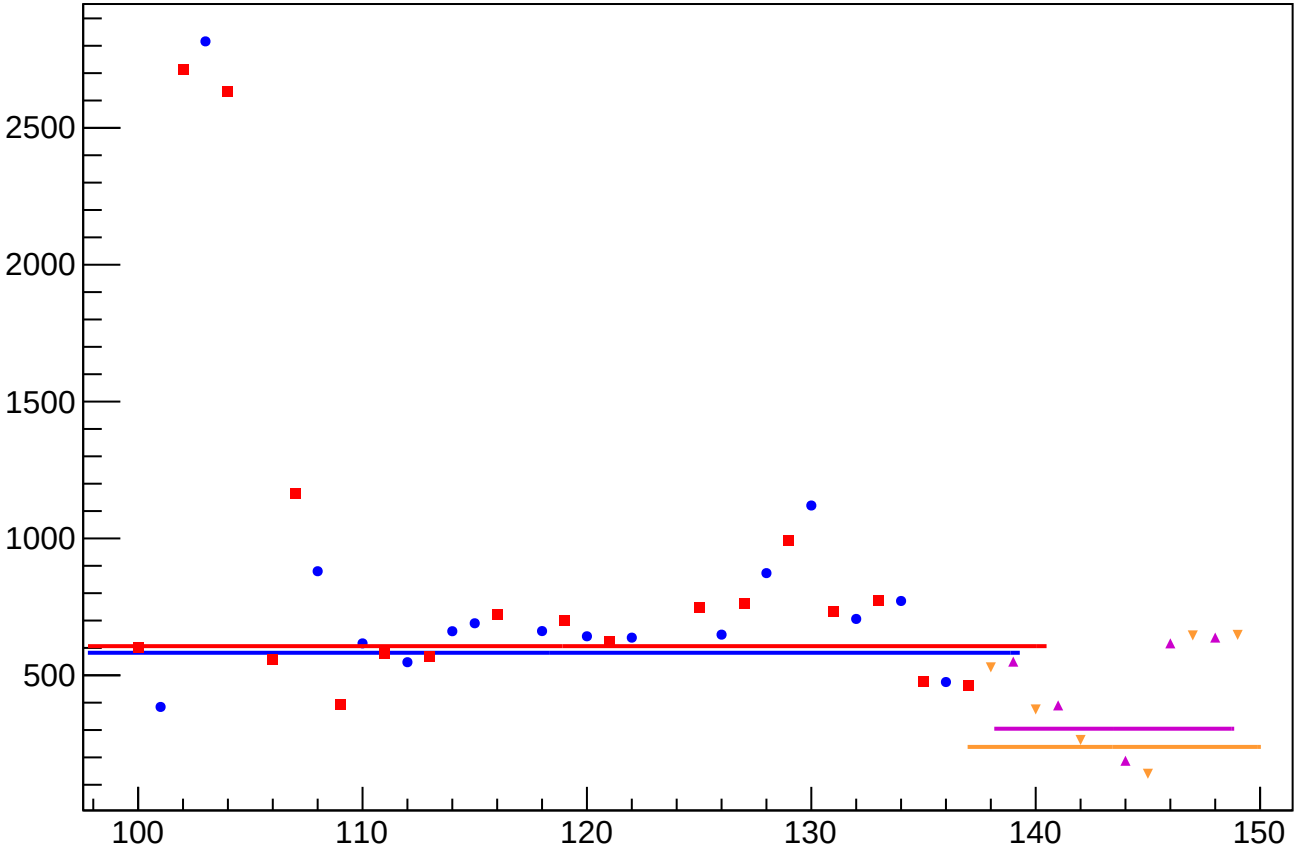
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 195.116+/-136.353 χ^2/NDF:15.7/20

Out: 66.882+/-119.681 χ^2/NDF:16.4/23

All: 122.684+/-89.947 χ^2/NDF: 32.6/44

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: 238.337+/-0.097 χ^2/NDF:2678594.0/5

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 304.789+/-0.119 χ^2/NDF:1941198.7/4

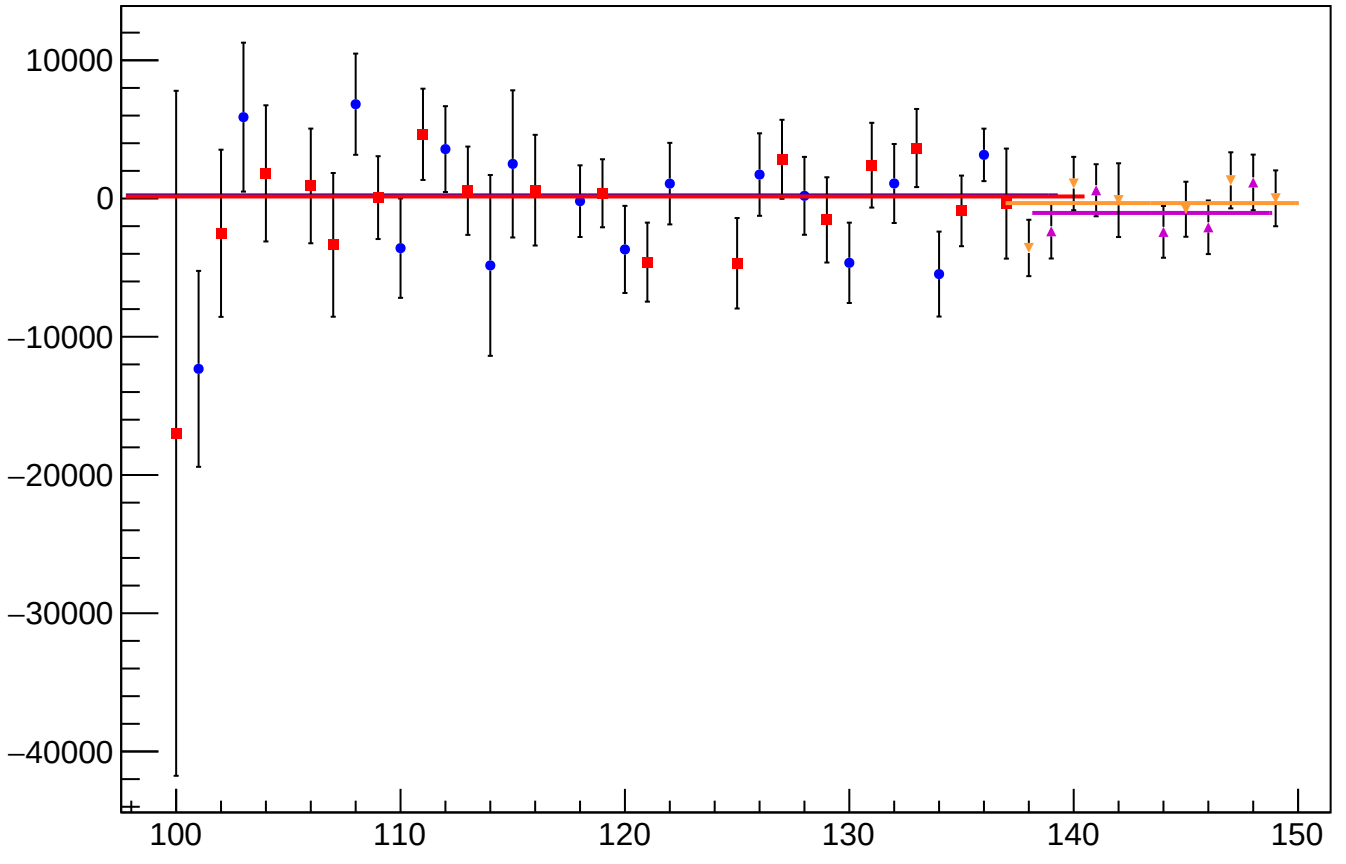
Left: 264.755+/-0.075 χ^2/NDF: 4806870.9/10

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 400.877+/-0.096 χ^2/NDF:5570426.3/20

Out: 325.513+/-0.085 χ^2/NDF:8296671.4/23

All: 358.308+/-0.064 χ^2/NDF: 14212214.1/44



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -329.421+/-848.141 χ^2/NDF:3.8/5

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -1042.474+/-864.645 χ^2/NDF:3.2/4

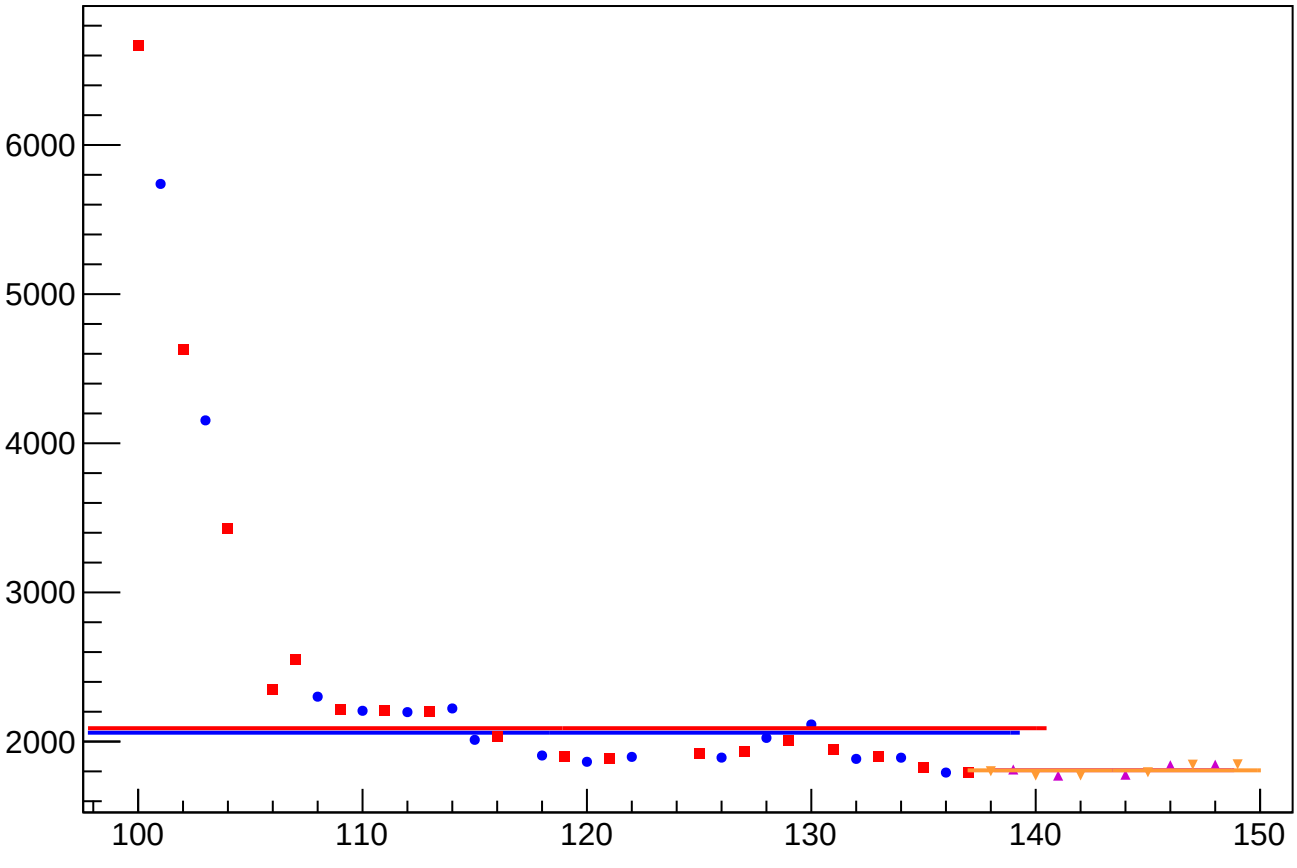
Left: -679.078+/-605.477 χ^2/NDF: 7.4/10

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -353.269+/-583.896 χ^2/NDF:25.6/20

Out: -75.055+/-579.709 χ^2/NDF:15.6/23

All: -213.161+/-411.388 χ^2/NDF: 41.3/44



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1806.998+/-0.600 χ^2/NDF:2592.0/5

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1808.321+/-0.611 χ^2/NDF:2534.6/4

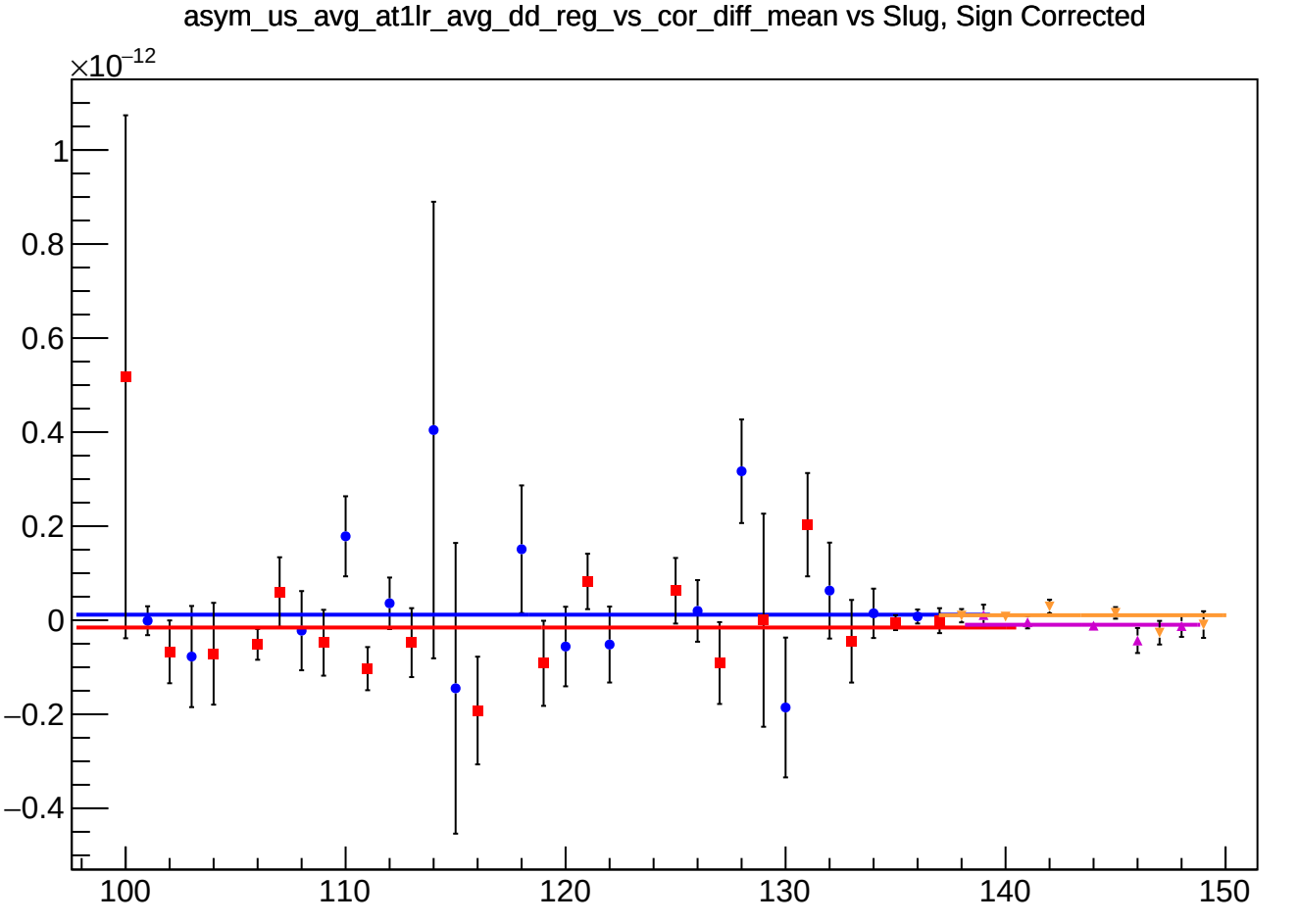
Left: 1807.647+/-0.428 χ^2/NDF: 5129.1/10

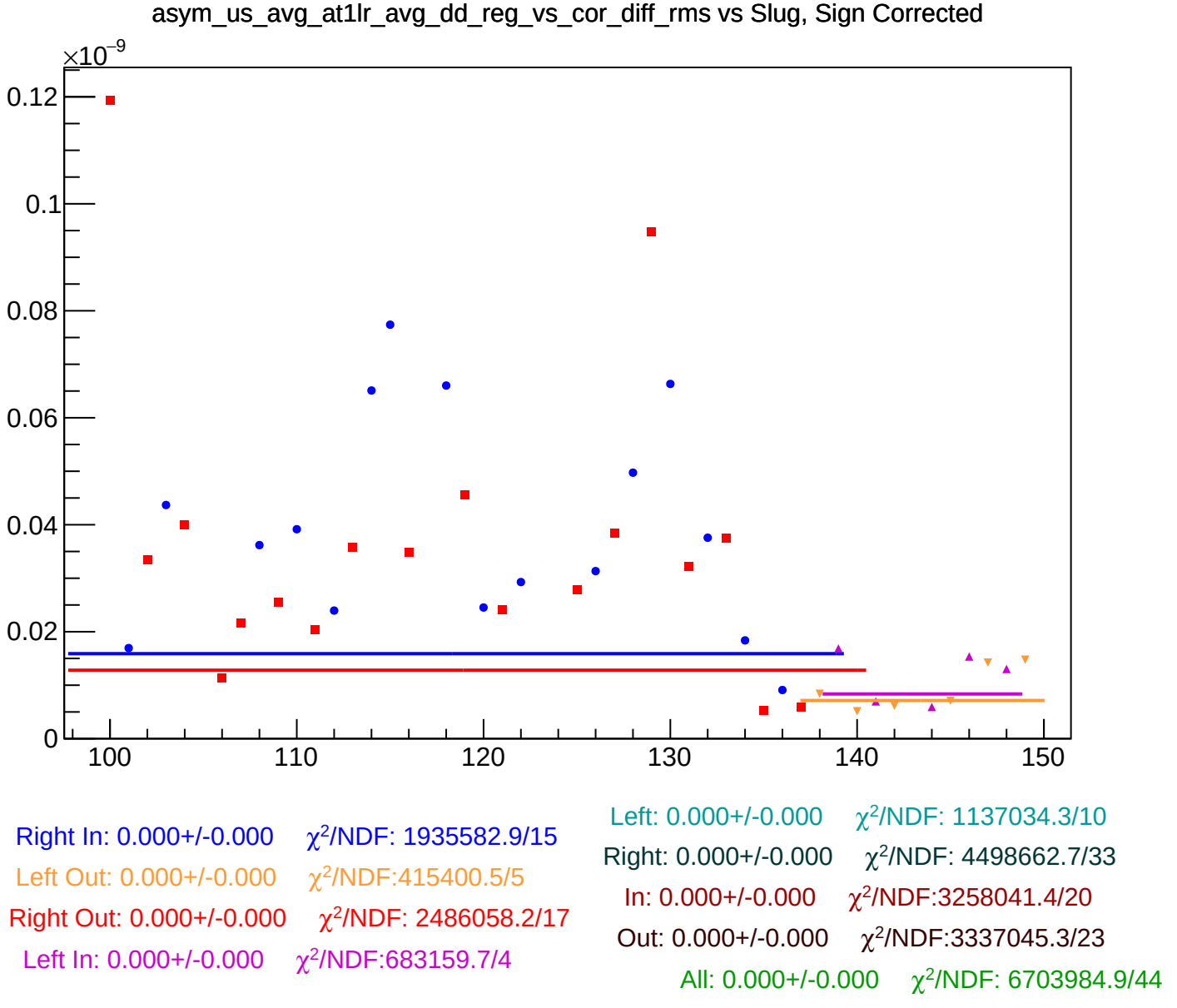
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1944.952+/-0.413 χ^2/NDF:1034216.6/20

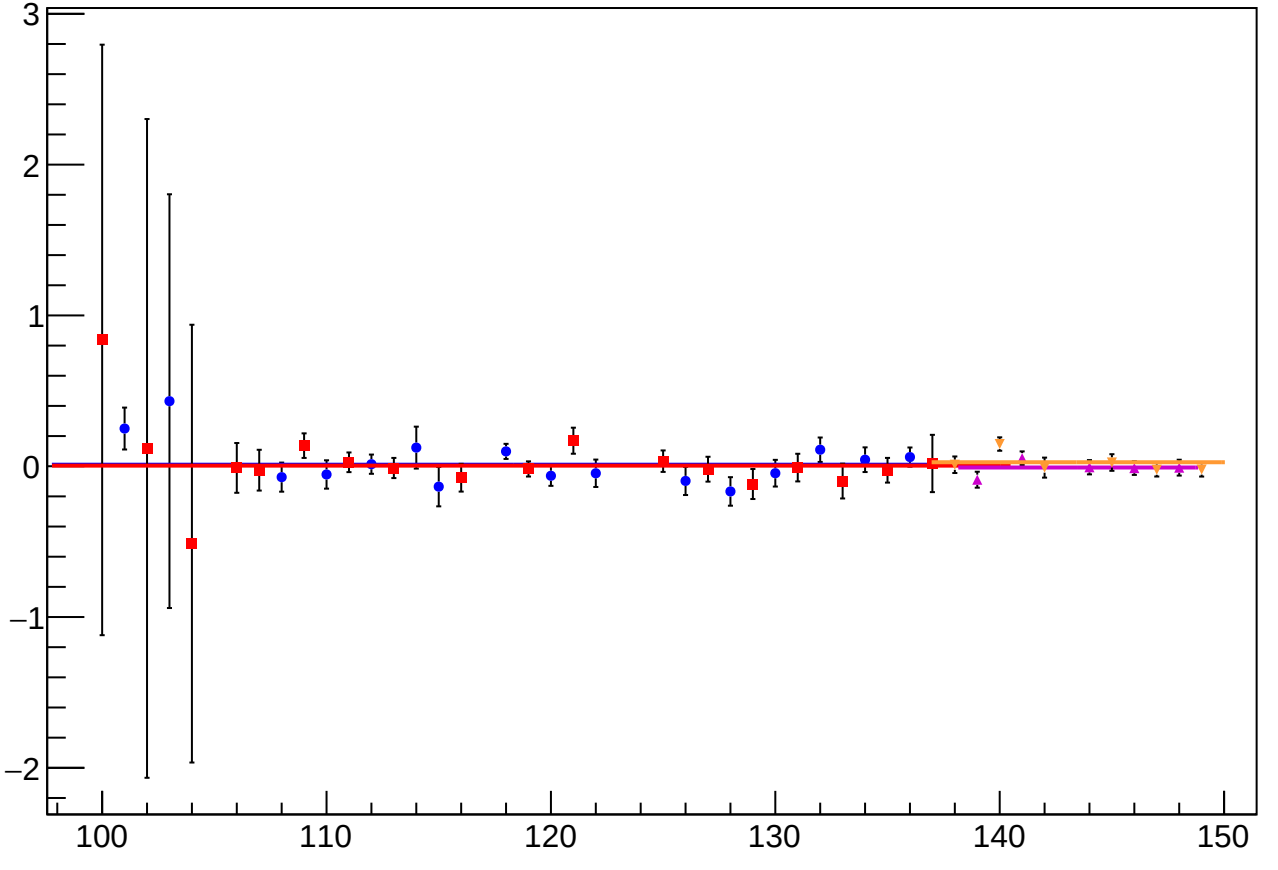
Out: 1957.509+/-0.410 χ^2/NDF:802266.1/23

All: 1951.276+/-0.291 χ^2/NDF: 1836948.5/44


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:4.6/5
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: 12.6/10
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:29.9/23
All: 0.000+/-0.000 χ²/NDF: 54.7/44


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:415400.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:683159.7/4
Left: 0.000+/-0.000 χ²/NDF: 1137034.3/10
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:3258041.4/20
Out: 0.000+/-0.000 χ²/NDF:3337045.3/23
All: 0.000+/-0.000 χ²/NDF: 6703984.9/44

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: 0.026+/-0.021 χ^2/NDF:10.0/5

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: 0.010+/-0.015 χ^2/NDF: 15.6/10

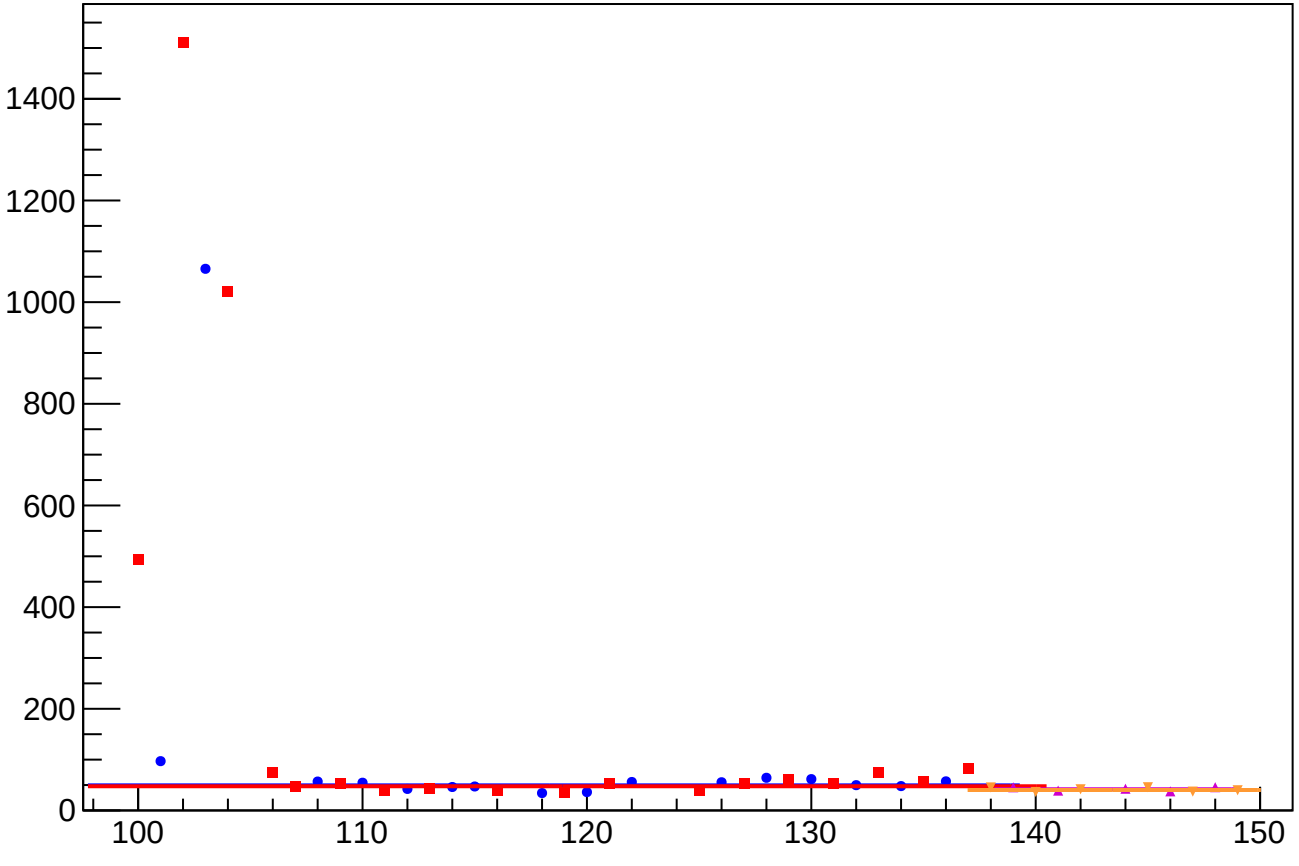
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.016+/-0.015 χ^2/NDF:21.1/23

All: 0.008+/-0.011 χ^2/NDF: 44.6/44

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: 40.239+/-0.015 χ^2/NDF:62375.4/5

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: 40.950+/-0.011 χ^2/NDF: 114373.9/10

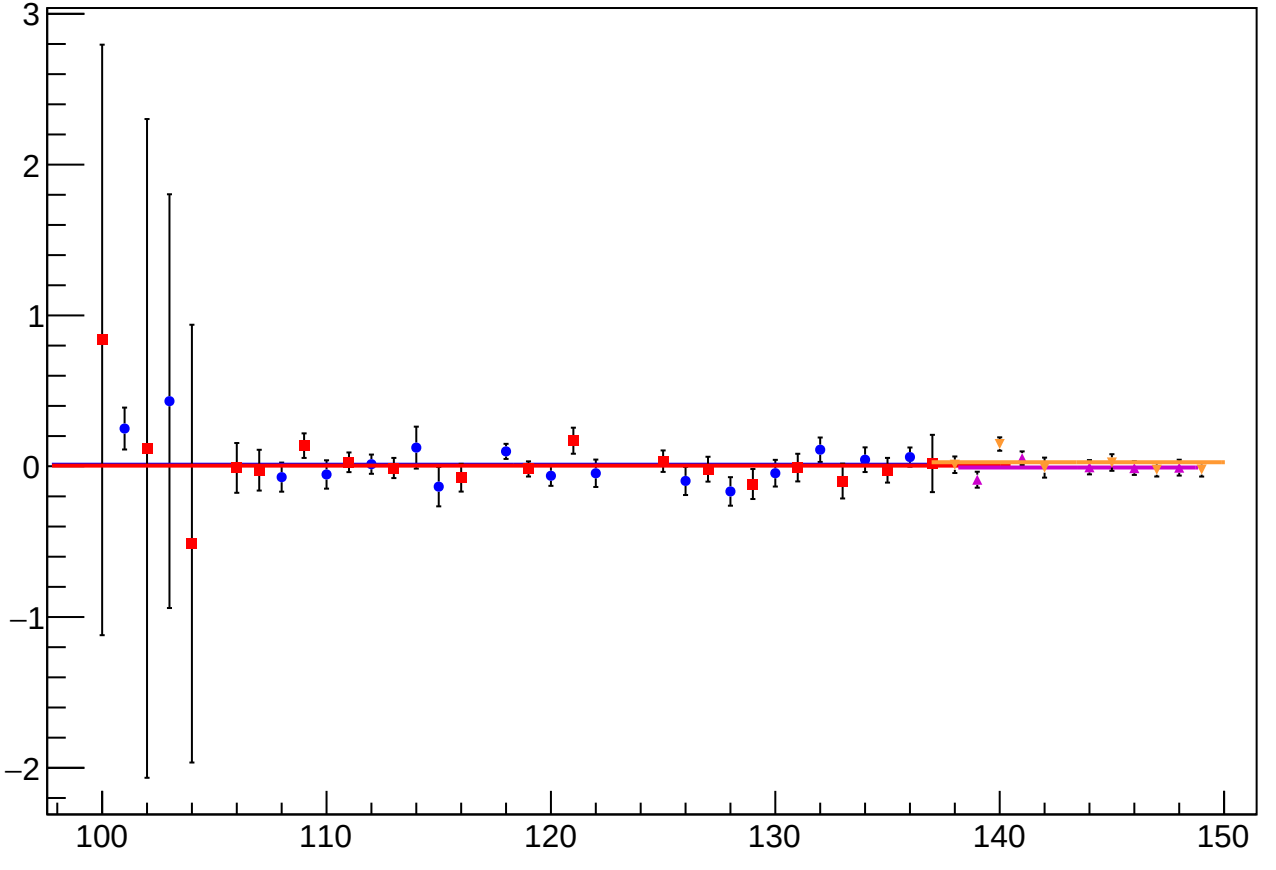
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.643+/-0.011 χ^2/NDF:1951867.6/20

Out: 43.773+/-0.011 χ^2/NDF:2602543.1/23

All: 44.699+/-0.007 χ^2/NDF: 4570018.7/44

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: 0.026+/-0.021 χ^2/NDF:10.0/5

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: 0.010+/-0.015 χ^2/NDF: 15.6/10

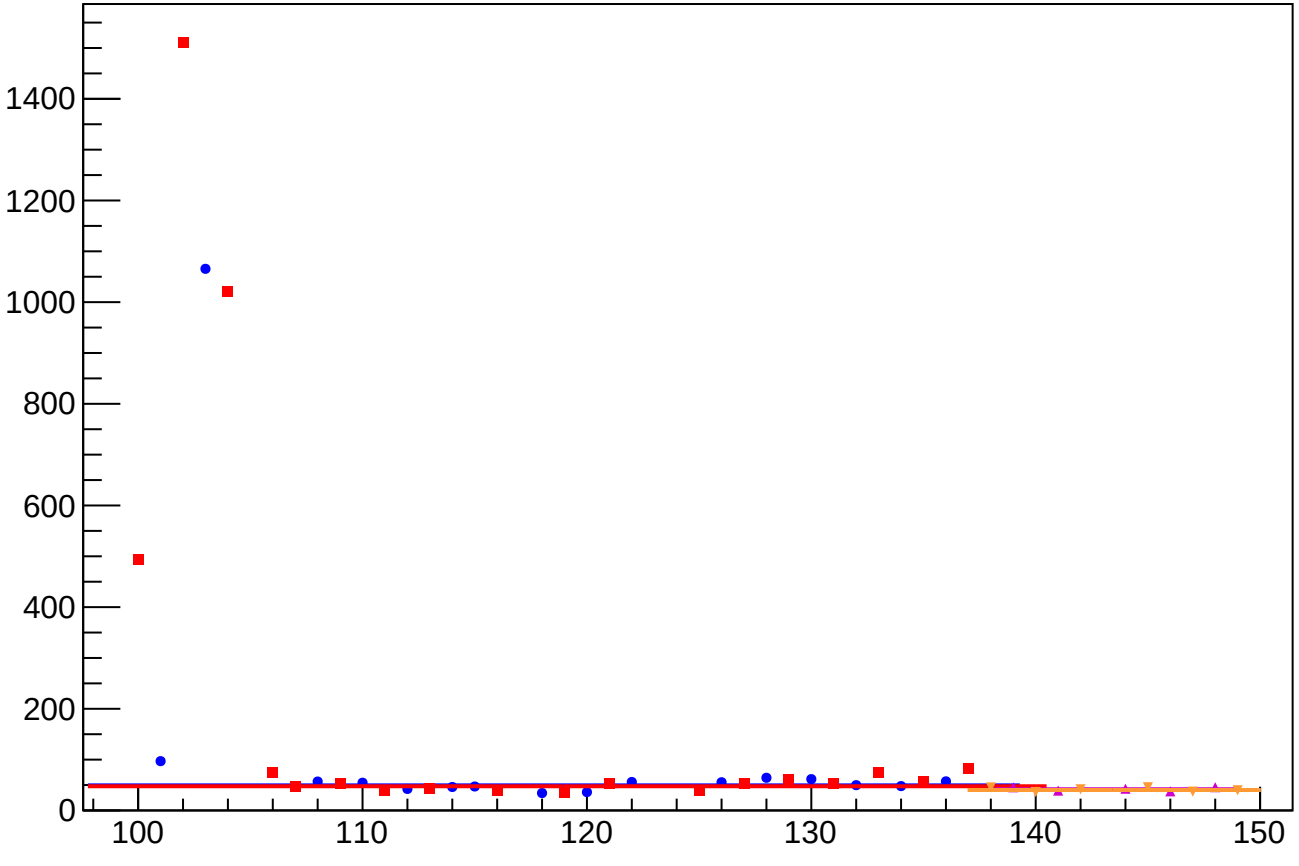
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.016+/-0.015 χ^2/NDF:21.1/23

All: 0.008+/-0.011 χ^2/NDF: 44.6/44

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: 40.239+/-0.015 χ^2/NDF:62375.4/5

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 41.726+/-0.015 χ^2/NDF:47045.9/4

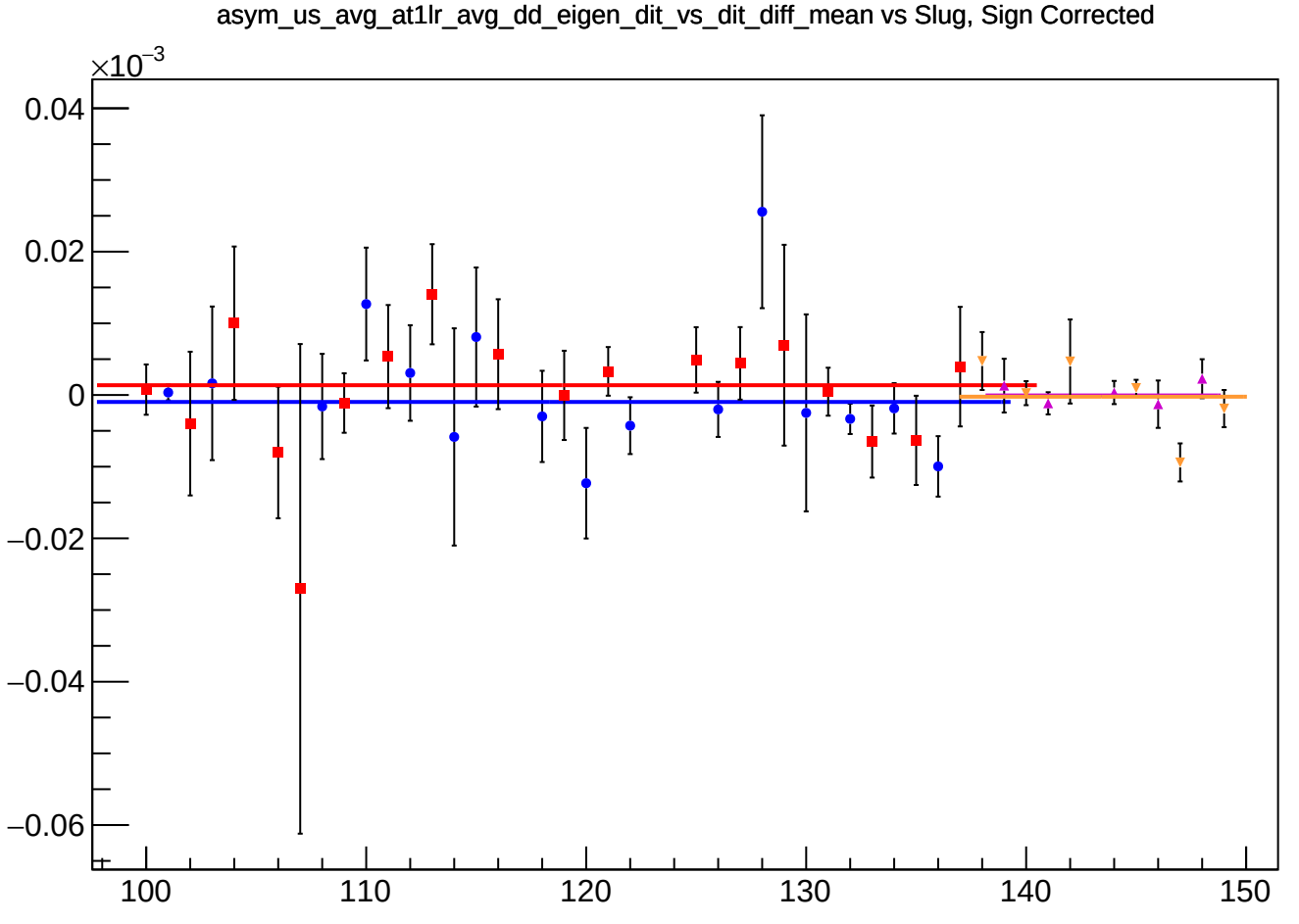
Left: 40.950+/-0.011 χ^2/NDF: 114373.9/10

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.643+/-0.011 χ^2/NDF:1951867.6/20

Out: 43.773+/-0.011 χ^2/NDF:2602543.1/23

All: 44.699+/-0.007 χ^2/NDF: 4570018.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/5

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: 17.3/10

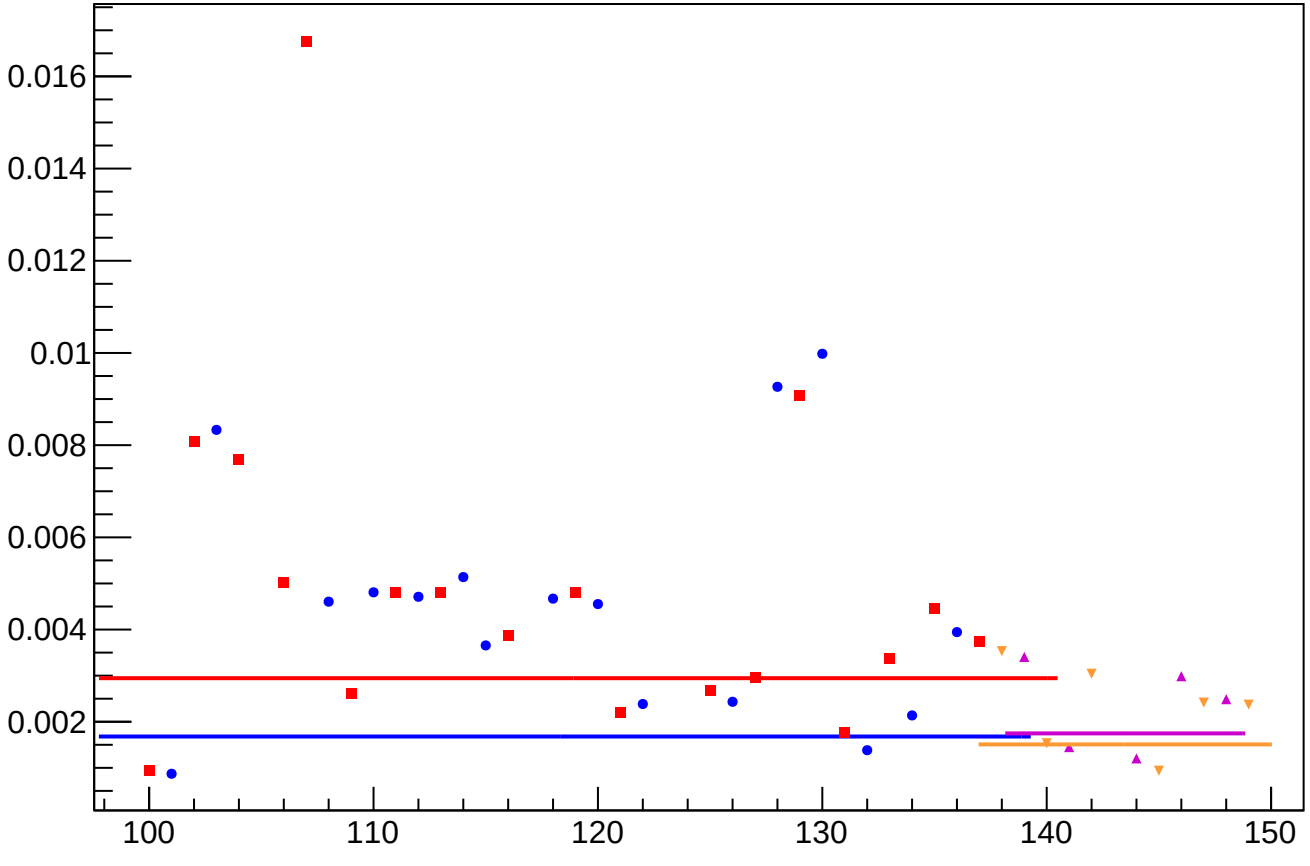
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:20.7/20

Out: 0.000+/-0.000 χ^2/NDF:29.5/23

All: -0.000+/-0.000 χ^2/NDF: 51.0/44

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:1587079.4/5

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: 2781135.9/10

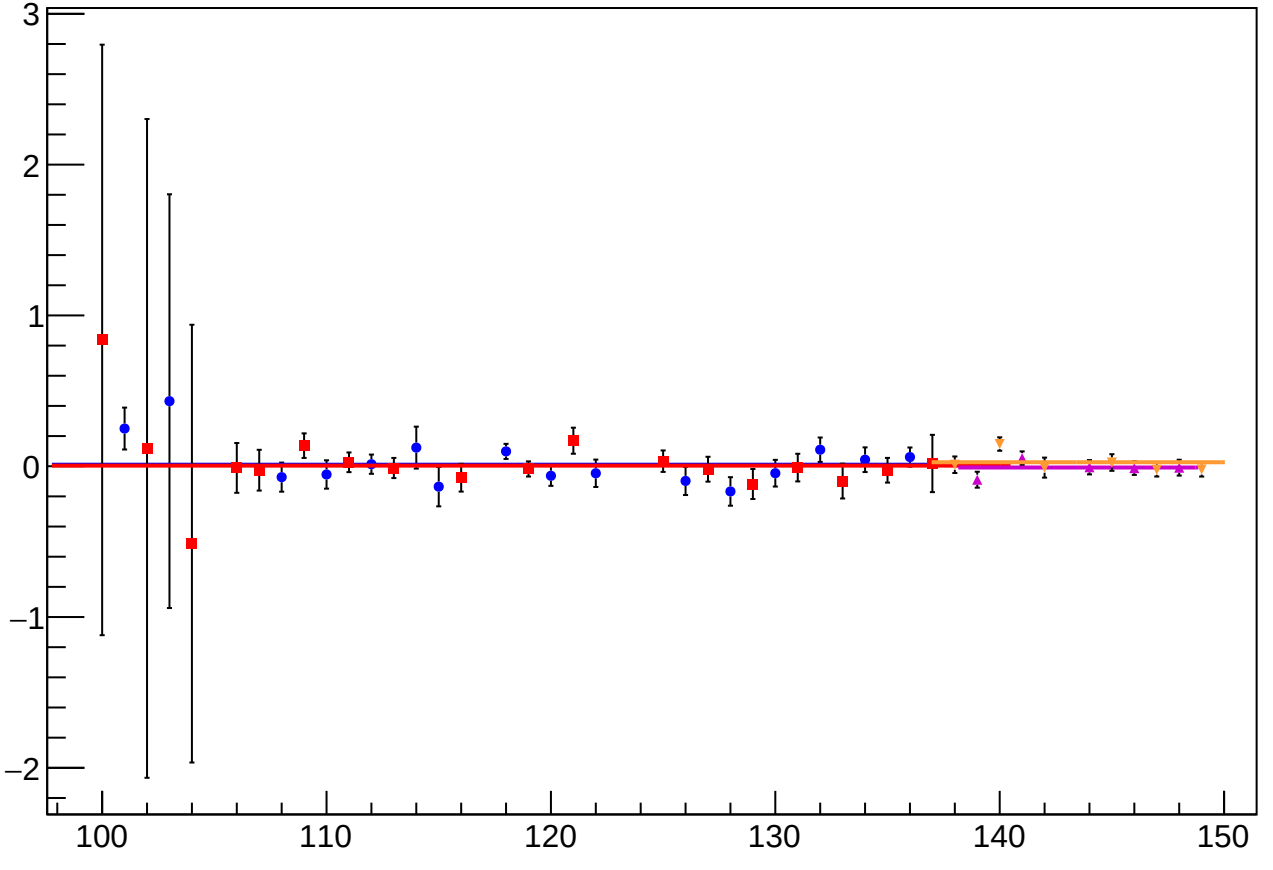
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:7087457.4/20

Out: 0.002+/-0.000 χ^2/NDF:6739117.4/23

All: 0.002+/-0.000 χ^2/NDF: 13929076.0/44

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: 0.026+/-0.021 χ^2/NDF:10.0/5

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: 0.010+/-0.015 χ^2/NDF: 15.6/10

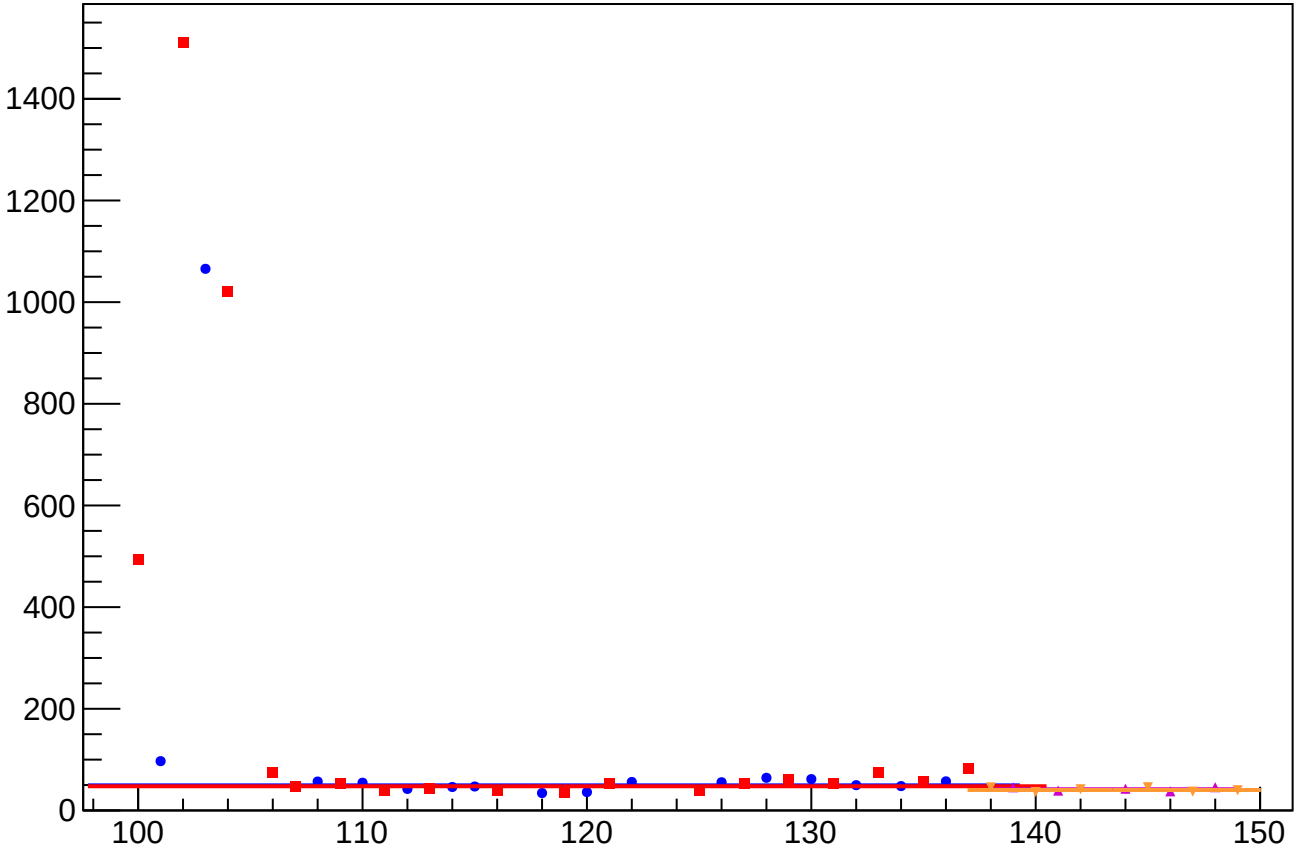
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.016+/-0.015 χ^2/NDF:21.1/23

All: 0.008+/-0.011 χ^2/NDF: 44.6/44

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: 40.240+/-0.015 χ^2/NDF:62383.9/5

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: 40.950+/-0.011 χ^2/NDF: 114387.8/10

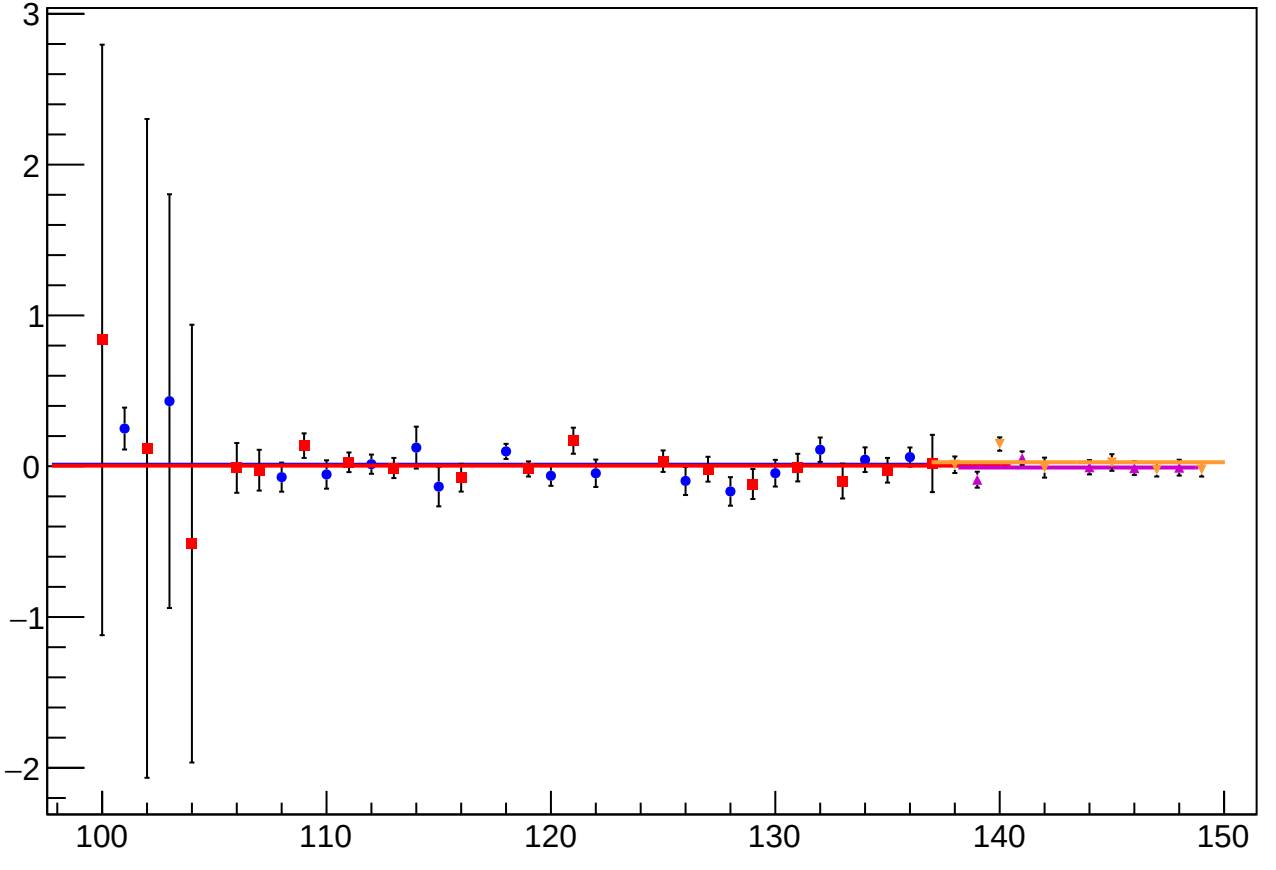
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.643+/-0.011 χ^2/NDF:1951846.0/20

Out: 43.773+/-0.011 χ^2/NDF:2602550.2/23

All: 44.699+/-0.007 χ^2/NDF: 4570004.3/44

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: 0.026+/-0.021 χ^2/NDF:10.0/5

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: 0.010+/-0.015 χ^2/NDF: 15.6/10

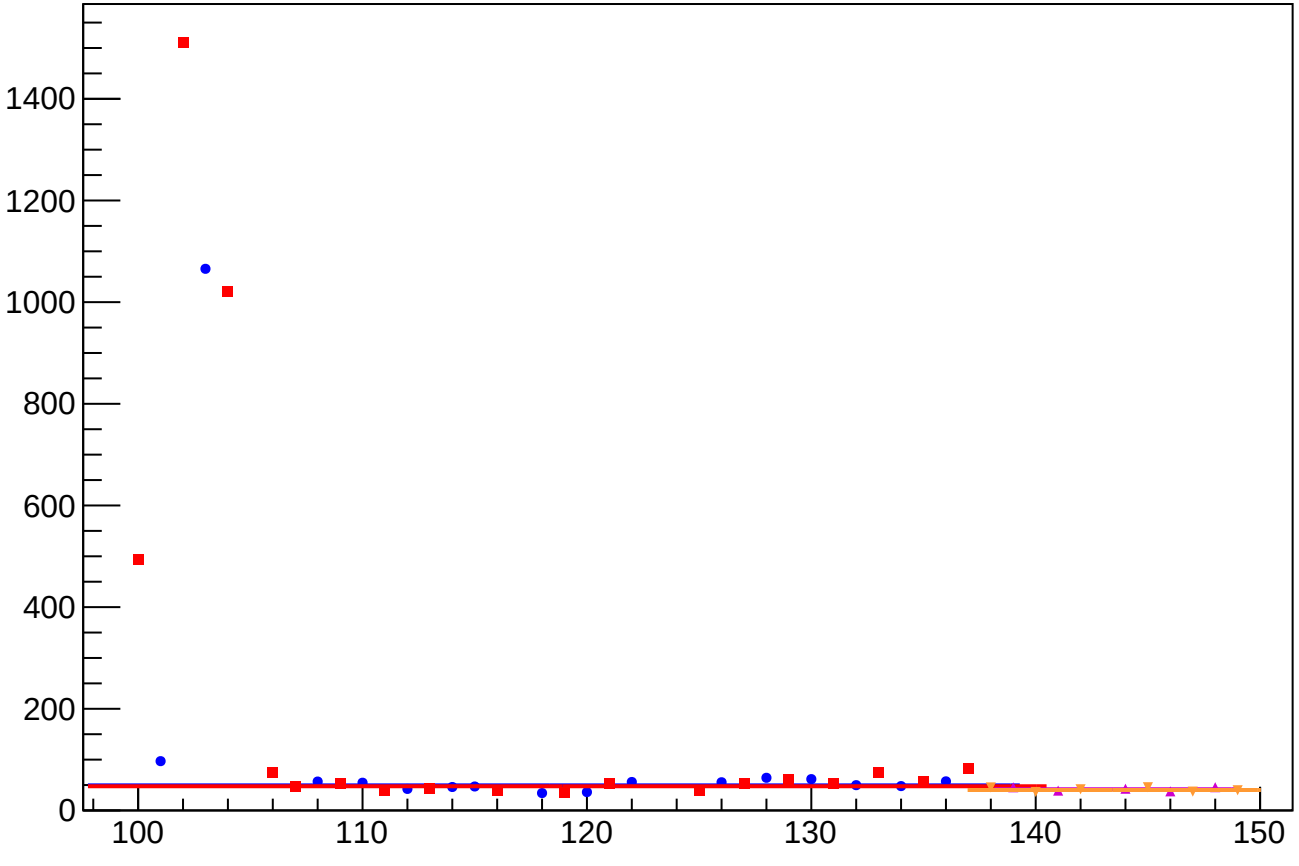
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.001+/-0.015 χ^2/NDF:23.0/20

Out: 0.016+/-0.015 χ^2/NDF:21.1/23

All: 0.008+/-0.011 χ^2/NDF: 44.6/44

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: 40.240+/-0.015 χ^2/NDF:62383.9/5

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 41.725+/-0.015 χ^2/NDF:47057.9/4

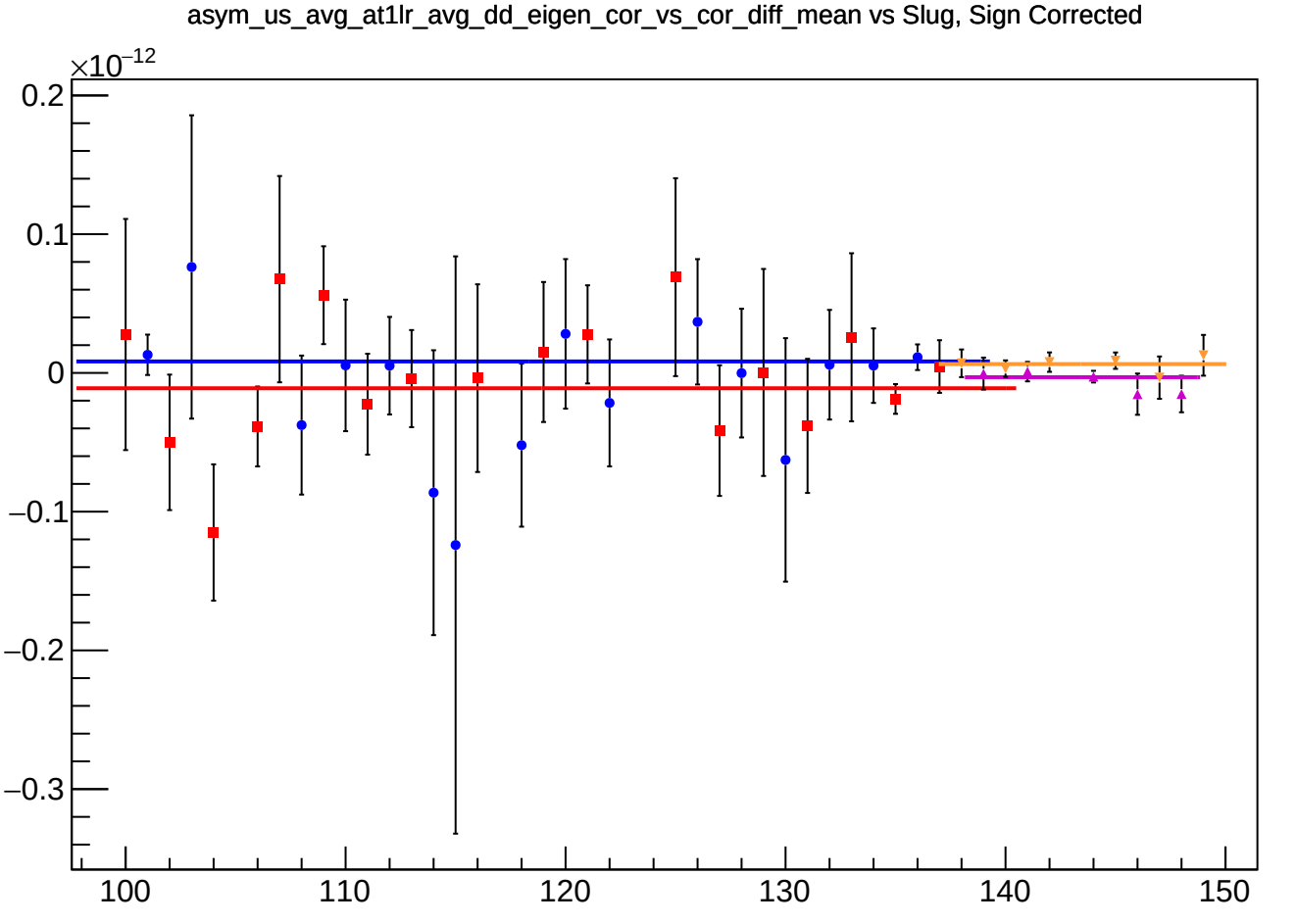
Left: 40.950+/-0.011 χ^2/NDF: 114387.8/10

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

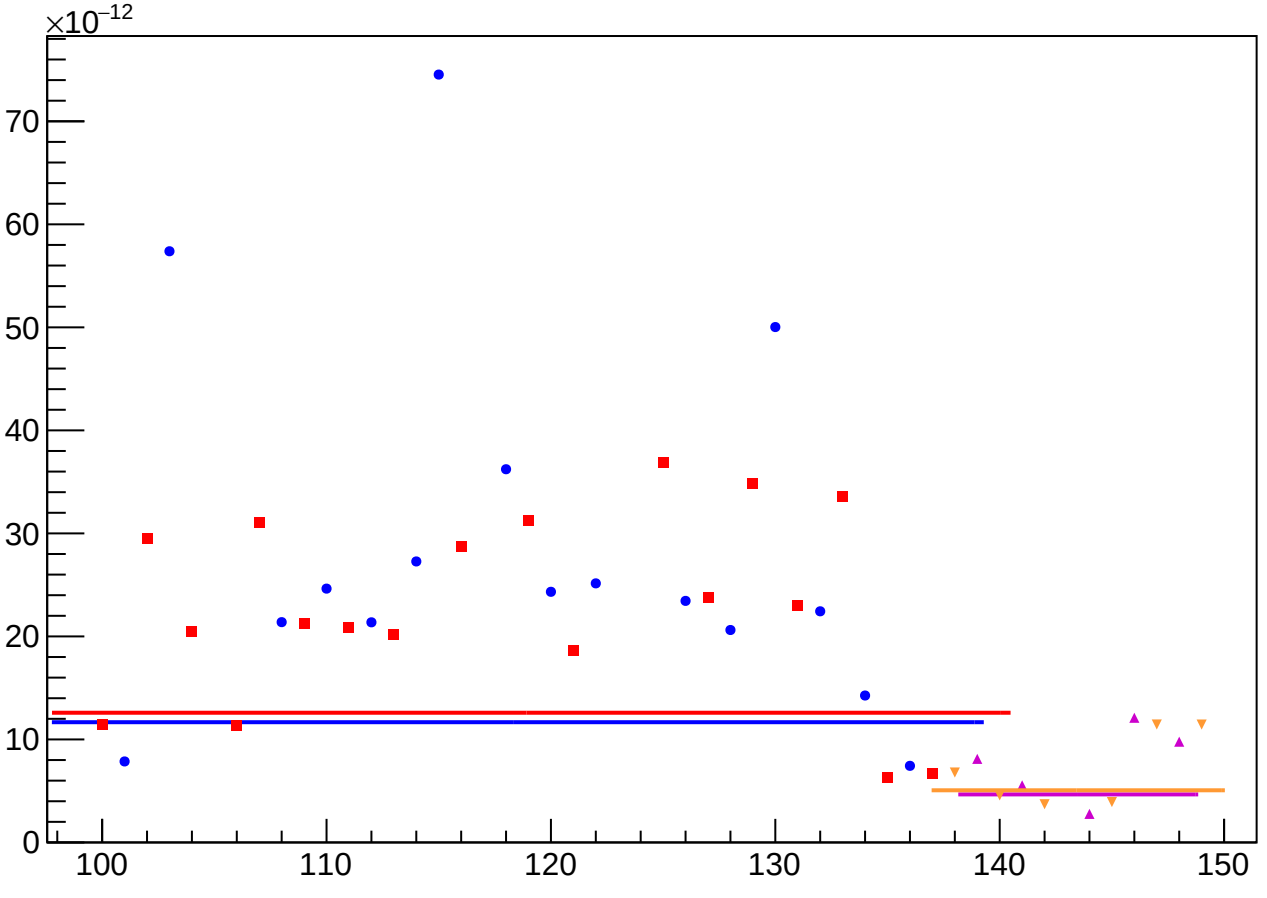
In: 45.643+/-0.011 χ^2/NDF:1951846.0/20

Out: 43.773+/-0.011 χ^2/NDF:2602550.2/23

All: 44.699+/-0.007 χ^2/NDF: 4570004.3/44


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1.1/5
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:1.9/4
Left: 0.000+/-0.000 χ²/NDF: 7.3/10
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:9.7/20
Out: 0.000+/-0.000 χ²/NDF:22.2/23
All: 0.000+/-0.000 χ²/NDF: 33.0/44

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:951865.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1416706.4/4

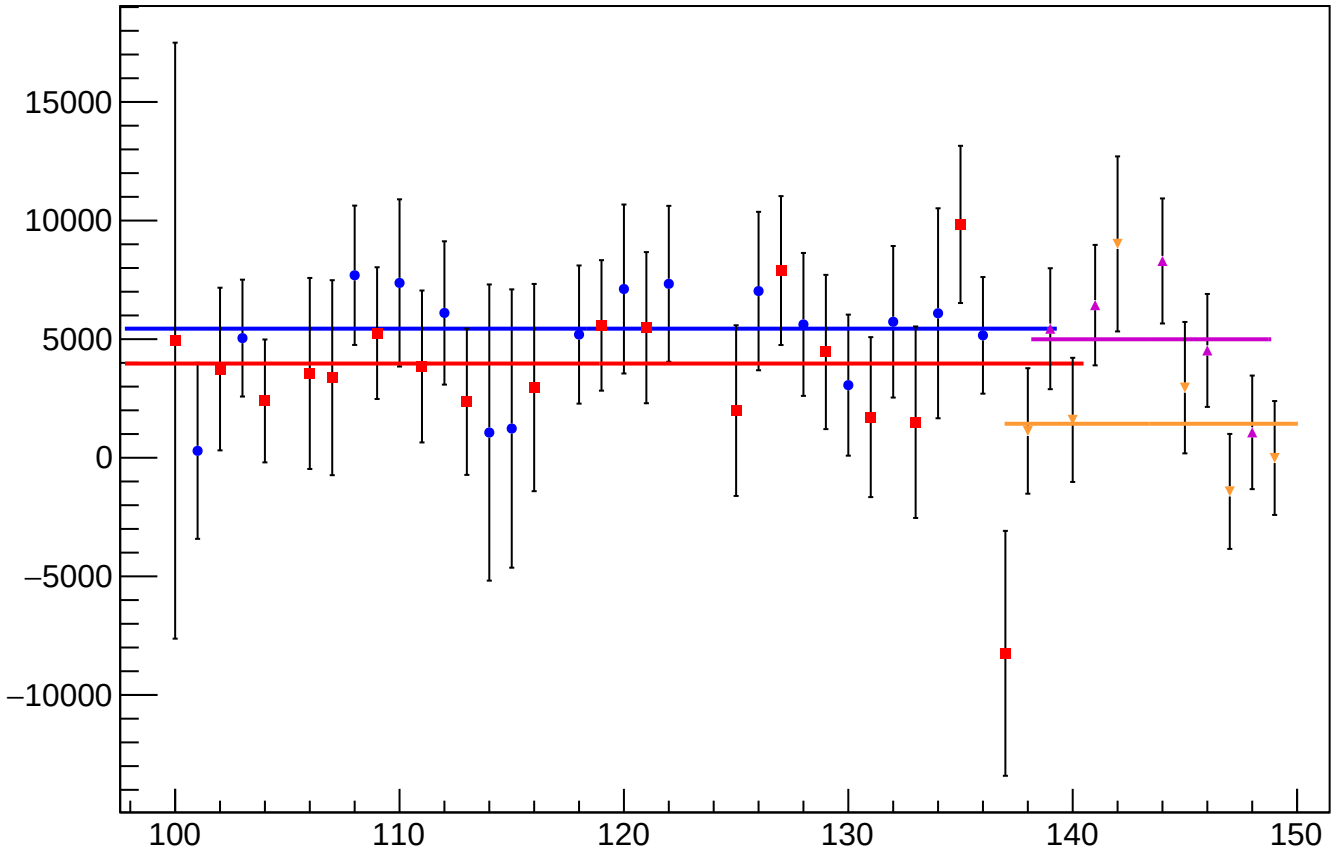
Left: 0.000+/-0.000 χ^2/NDF: 2383747.4/10

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:6106951.7/20

Out: 0.000+/-0.000 χ^2/NDF:5685241.8/23

All: 0.000+/-0.000 χ^2/NDF: 11802682.5/44



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1433.561+/-1093.470 χ^2/NDF:6.3/5

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 4994.829+/-1115.426 χ^2/NDF:4.6/4

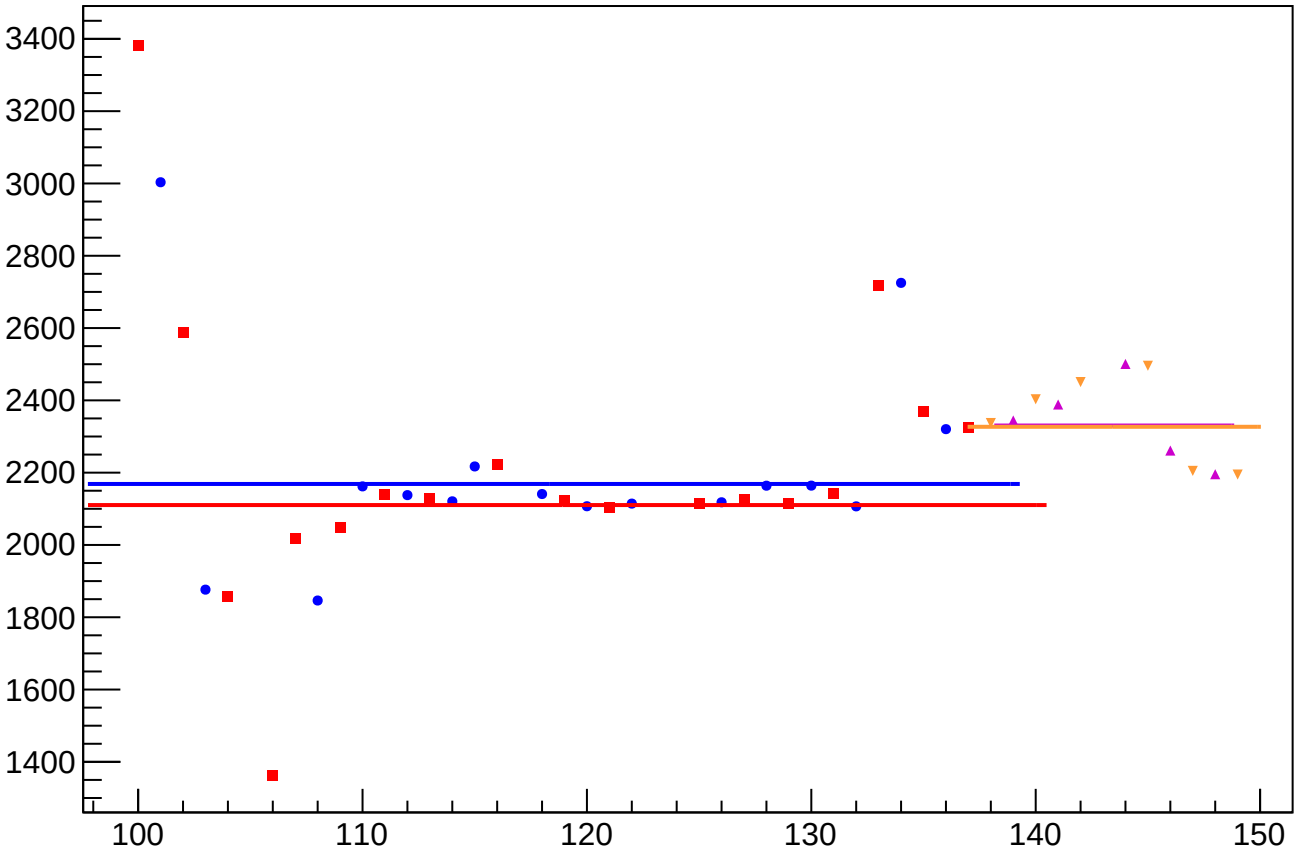
Left: 3178.800+/-780.847 χ^2/NDF: 16.1/10

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5287.195+/-656.757 χ^2/NDF:10.1/20

Out: 3073.835+/-650.368 χ^2/NDF:22.7/23

All: 4169.697+/-462.122 χ^2/NDF: 38.6/44



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2326.882+/-0.773 χ^2/NDF:22524.6/5

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: 2328.589+/-0.552 χ^2/NDF: 40024.7/10

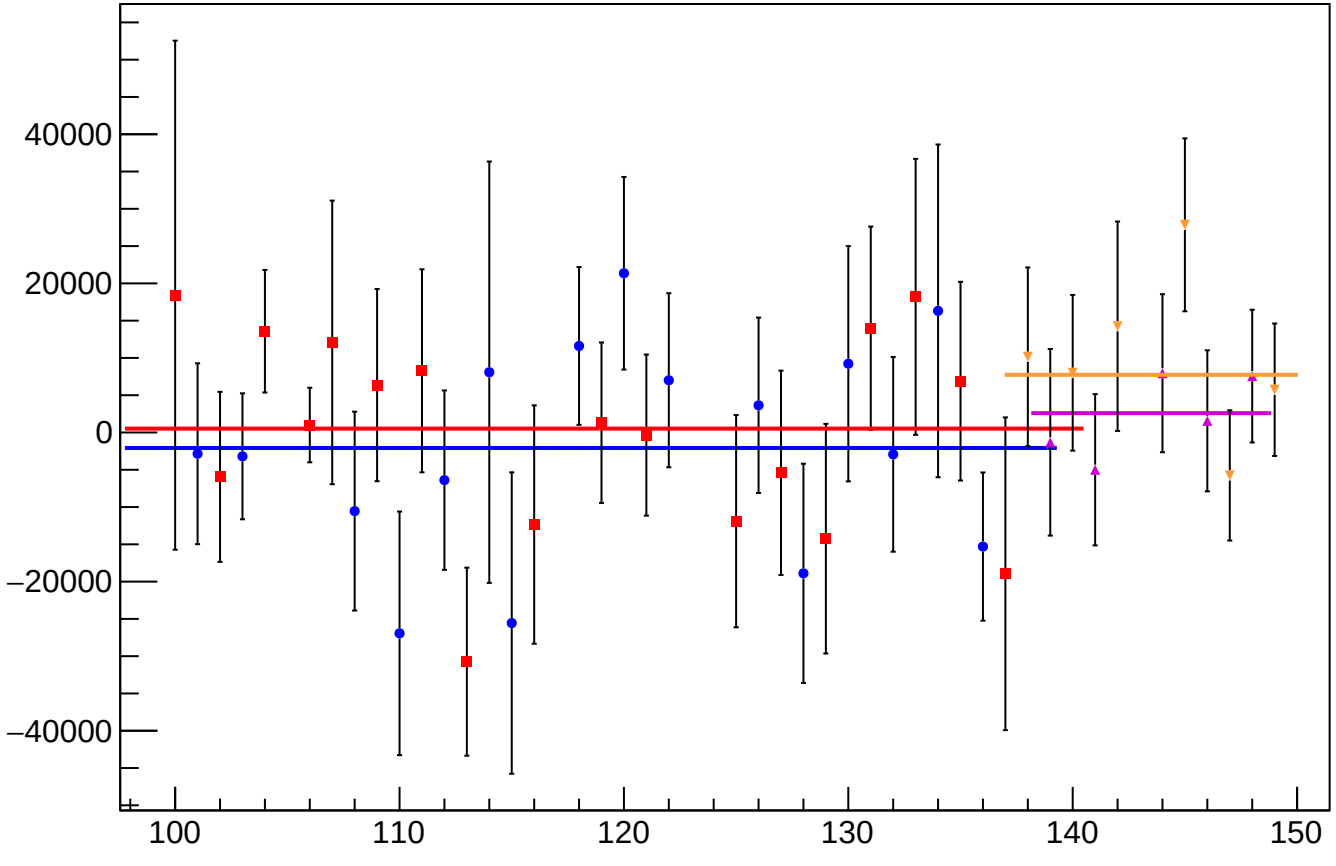
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2224.756+/-0.464 χ^2/NDF:240592.5/20

Out: 2185.382+/-0.455 χ^2/NDF:341184.5/23

All: 2204.672+/-0.325 χ^2/NDF: 585443.9/44

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: 7732.369+/-4286.829 χ^2/NDF:5.7/5

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: 5304.459+/-3112.542 χ^2/NDF: 7.6/10

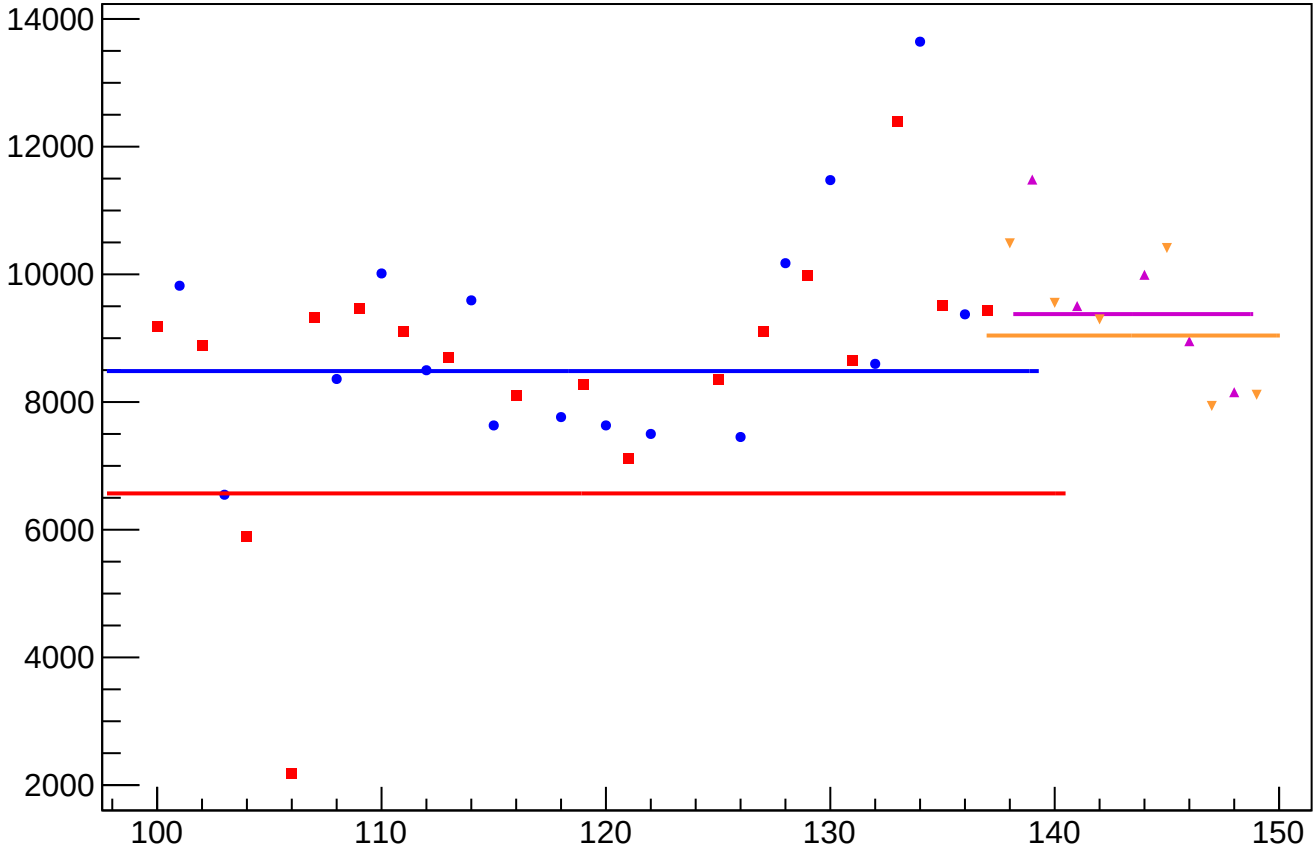
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -510.067+/-2619.565 χ^2/NDF:16.4/20

Out: 2586.446+/-2294.036 χ^2/NDF:23.4/23

All: 1242.439+/-1725.812 χ^2/NDF: 40.6/44

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9041.793+/-3.031 χ^2/NDF:116140.3/5

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9377.491+/-3.201 χ^2/NDF:105572.7/4

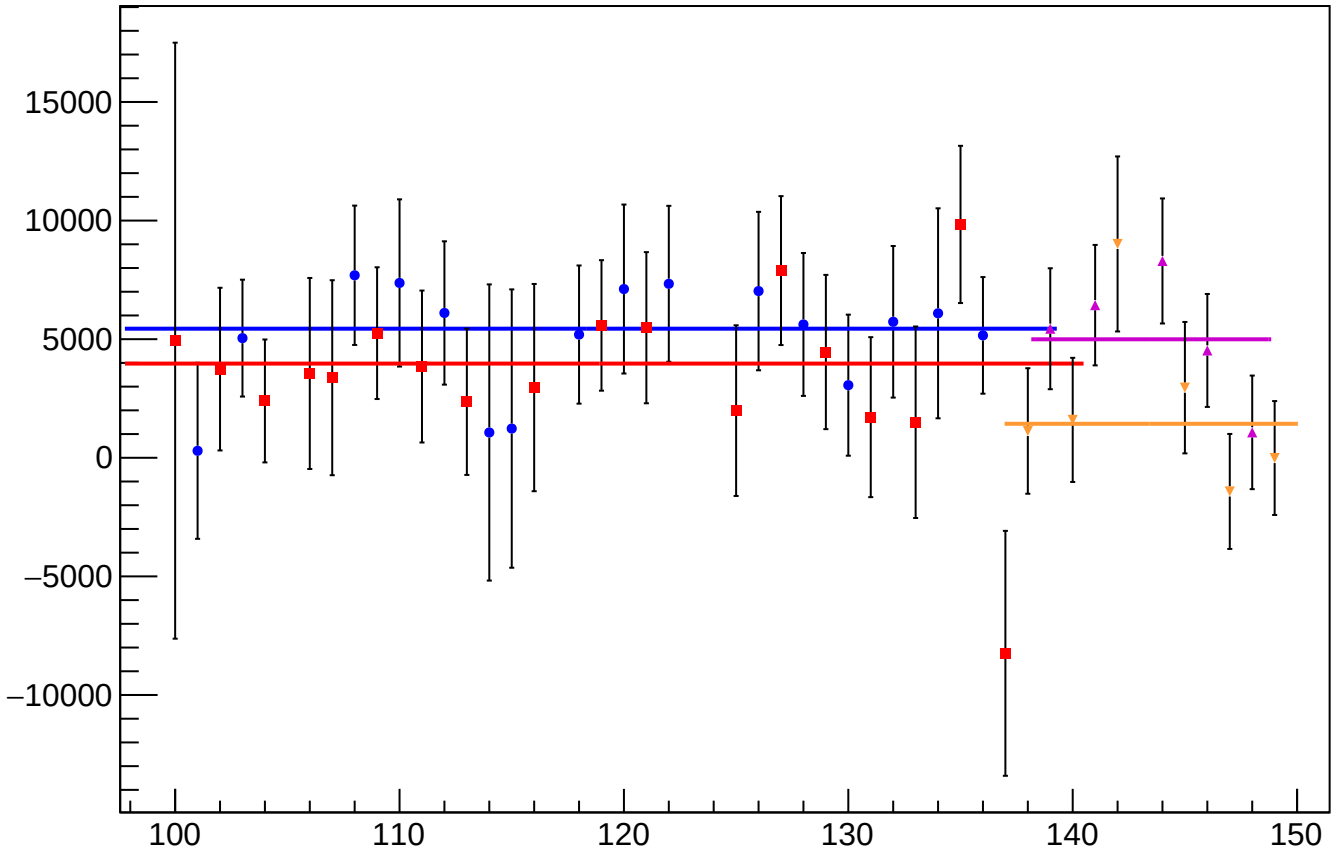
Left: 9200.518+/-2.201 χ^2/NDF: 227511.9/10

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8783.902+/-1.852 χ^2/NDF:579990.2/20

Out: 7276.928+/-1.622 χ^2/NDF:3160042.6/23

All: 7931.013+/-1.220 χ^2/NDF: 4114634.4/44



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1433.566+/-1093.470 χ^2/NDF:6.3/5

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 4995.173+/-1115.426 χ^2/NDF:4.6/4

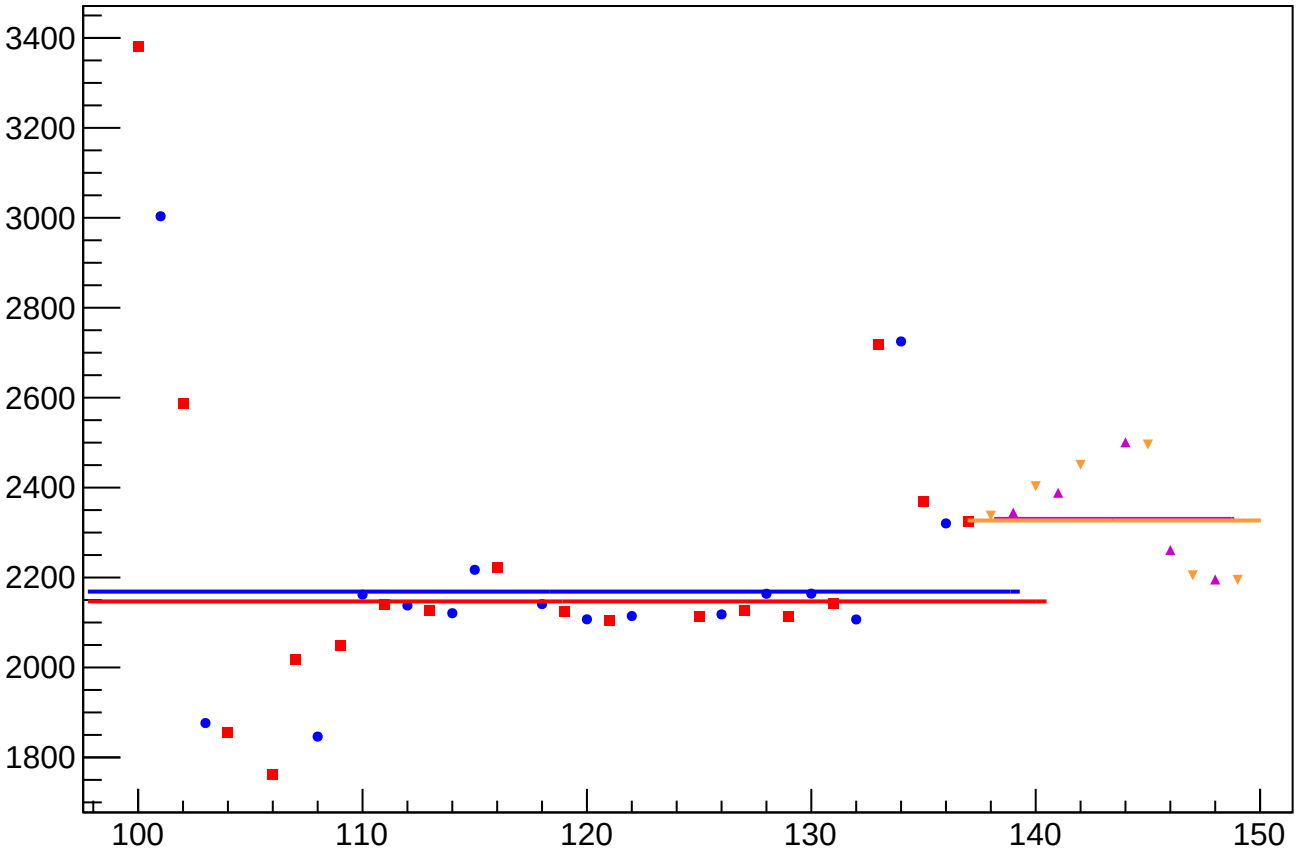
Left: 3178.971+/-780.847 χ^2/NDF: 16.1/10

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5287.407+/-656.757 χ^2/NDF:10.1/20

Out: 3073.670+/-650.368 χ^2/NDF:22.7/23

All: 4169.718+/-462.122 χ^2/NDF: 38.6/44



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2326.882+/-0.773 χ^2/NDF:22524.6/5

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: 2328.589+/-0.552 χ^2/NDF: 40024.7/10

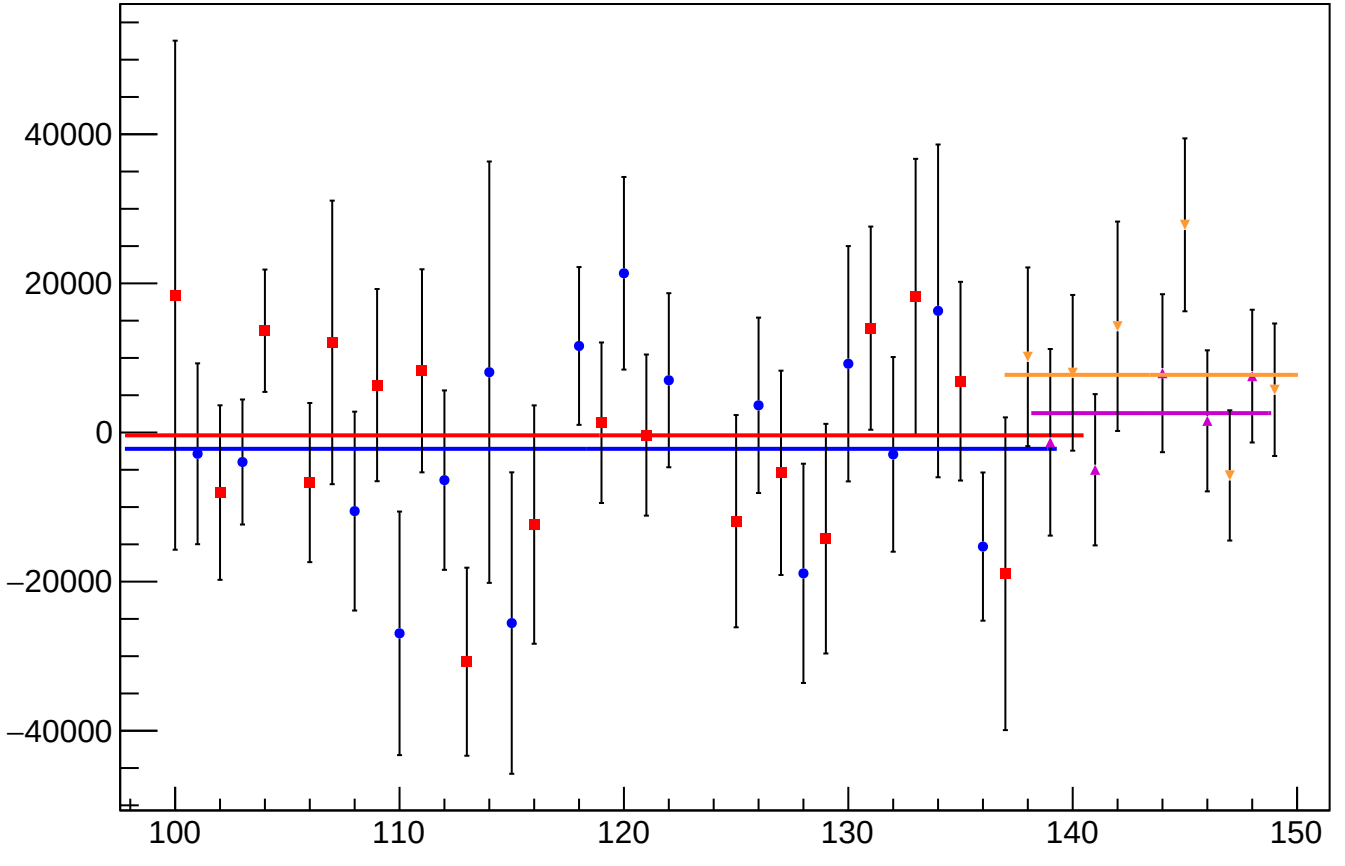
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.756+/-0.464 χ^2/NDF:240592.9/20

Out: 2210.153+/-0.458 χ^2/NDF:215419.4/23

All: 2217.360+/-0.326 χ^2/NDF: 456513.1/44

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: 7732.414+/-4286.822 χ^2/NDF:5.7/5

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2597.487+/-4526.543 χ^2/NDF:1.2/4

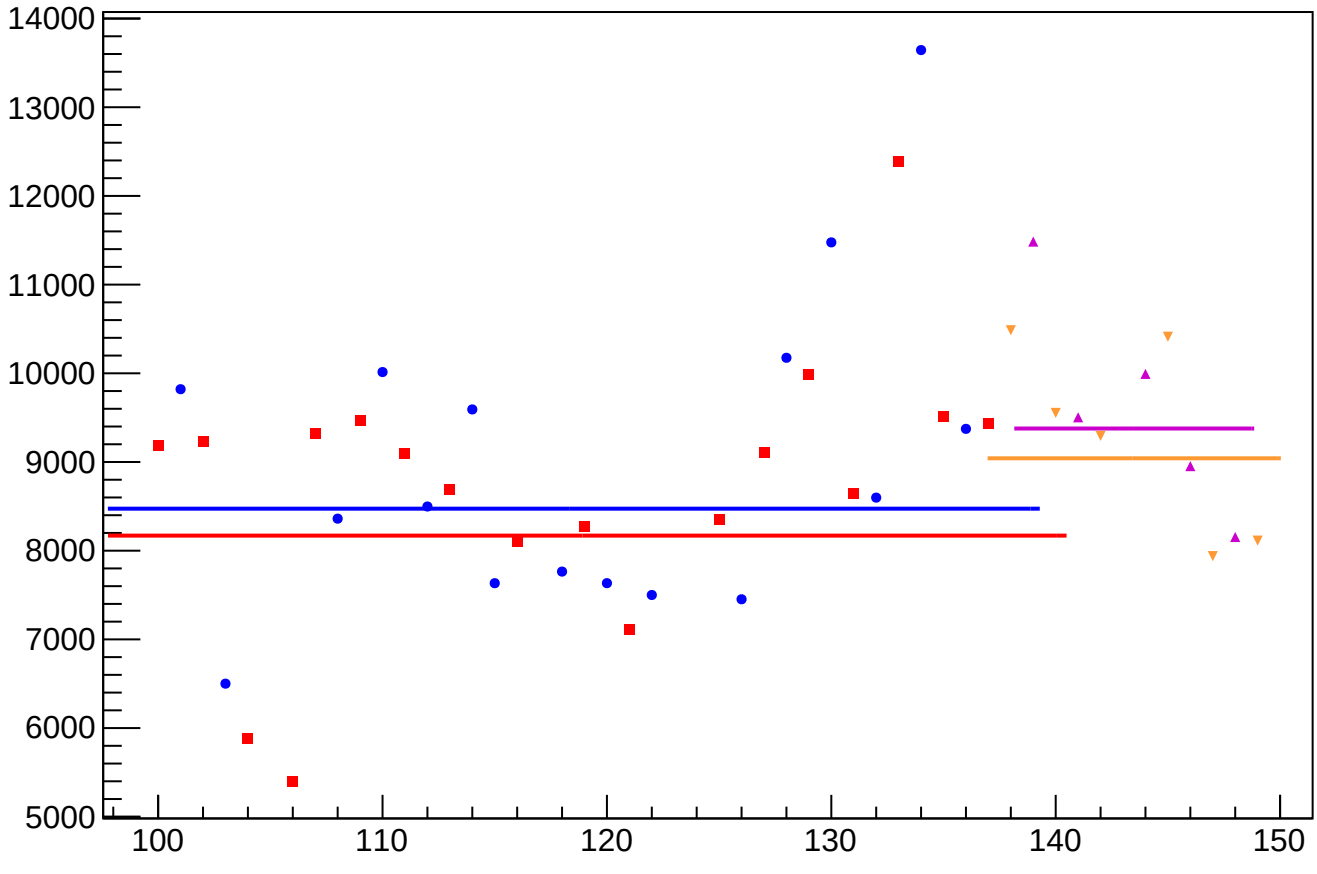
Left: 5304.516+/-3112.539 χ^2/NDF: 7.6/10

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -588.510+/-2617.628 χ^2/NDF:16.4/20

Out: 2406.052+/-2511.978 χ^2/NDF:24.4/23

All: 970.421+/-1812.436 χ^2/NDF: 41.5/44



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9041.776+/-3.031 χ^2/NDF:116140.4/5

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

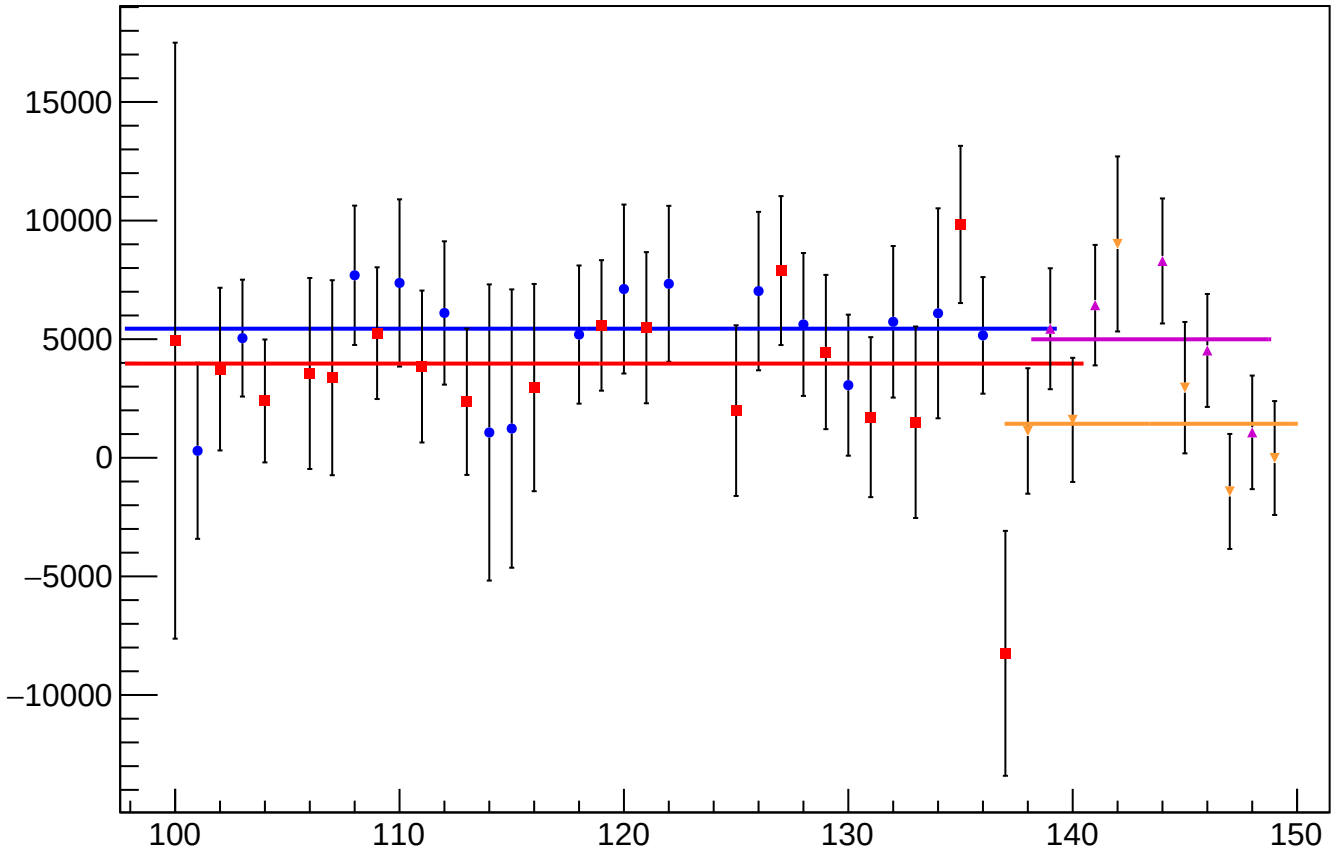
Left: 9200.507+/-2.201 χ^2/NDF: 227512.1/10

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8775.966+/-1.851 χ^2/NDF:588182.6/20

Out: 8469.359+/-1.776 χ^2/NDF:710374.2/23

All: 8616.350+/-1.282 χ^2/NDF: 1312841.5/44



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1433.566+/-1093.470 χ^2/NDF:6.3/5

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 4995.173+/-1115.426 χ^2/NDF:4.6/4

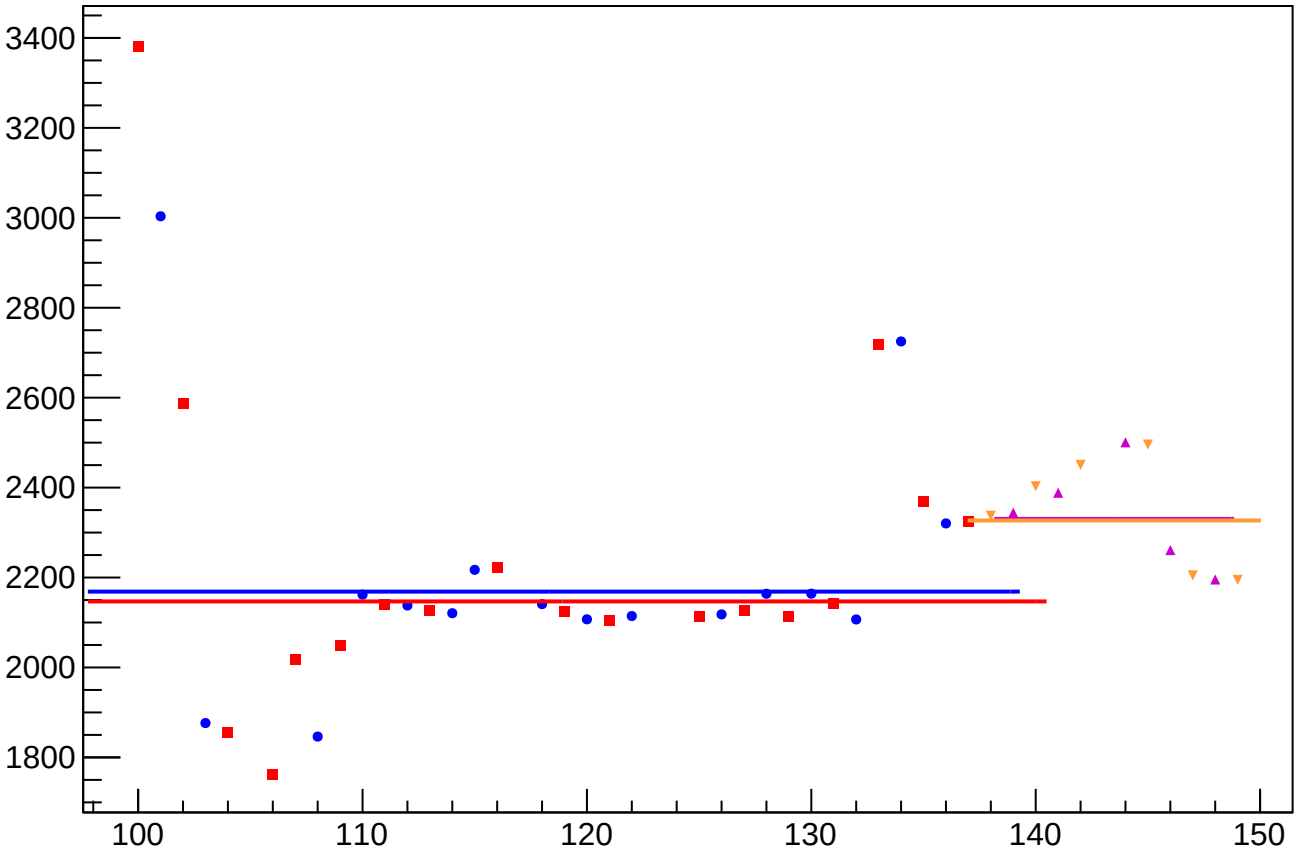
Left: 3178.971+/-780.847 χ^2/NDF: 16.1/10

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5287.407+/-656.757 χ^2/NDF:10.1/20

Out: 3073.670+/-650.368 χ^2/NDF:22.7/23

All: 4169.718+/-462.122 χ^2/NDF: 38.6/44



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2326.882+/-0.773 χ^2/NDF:22524.6/5

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: 2328.589+/-0.552 χ^2/NDF: 40024.7/10

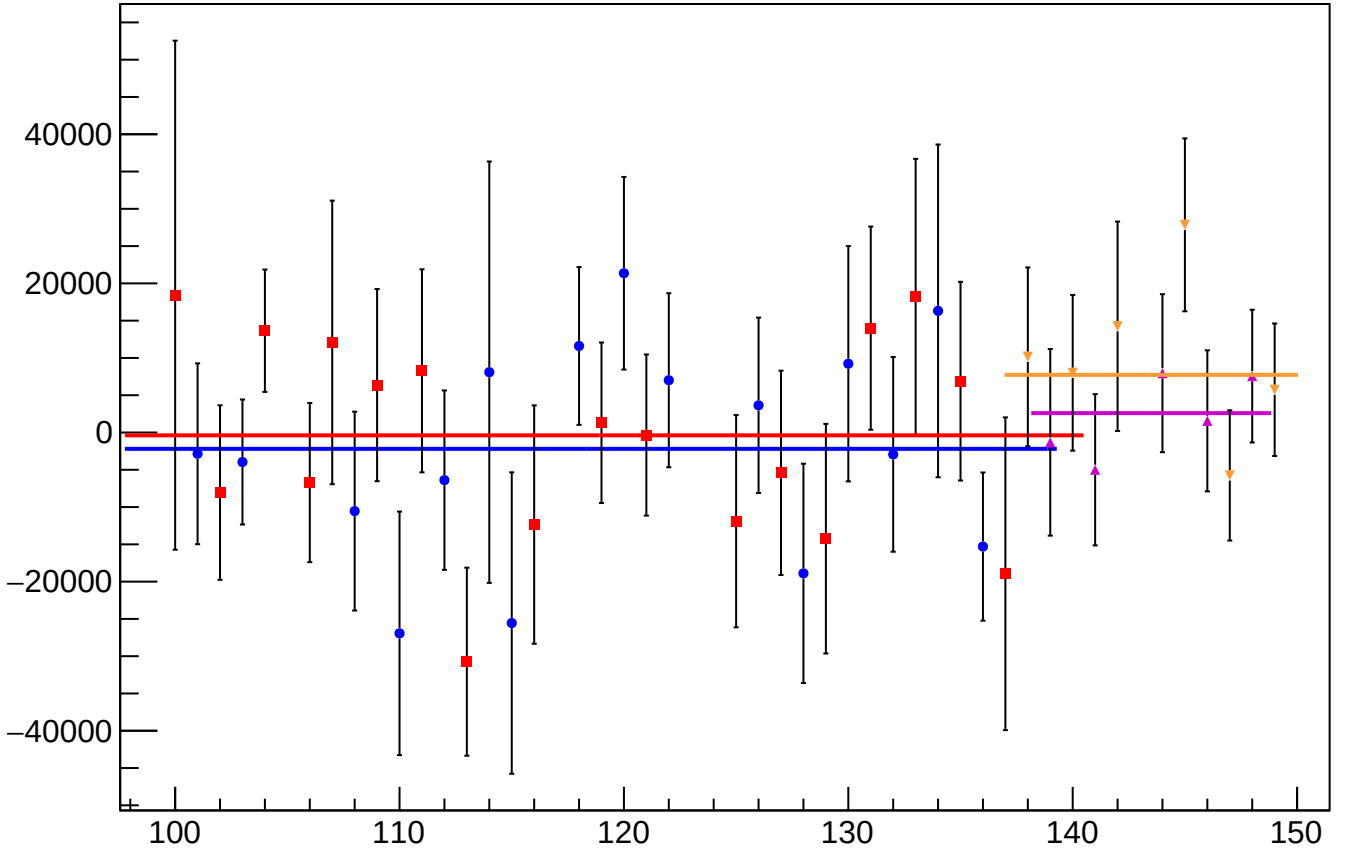
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.756+/-0.464 χ^2/NDF:240592.9/20

Out: 2210.153+/-0.458 χ^2/NDF:215419.4/23

All: 2217.360+/-0.326 χ^2/NDF: 456513.1/44

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: 7732.414+/-4286.822 χ^2/NDF:5.7/5

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2597.487+/-4526.543 χ^2/NDF:1.2/4

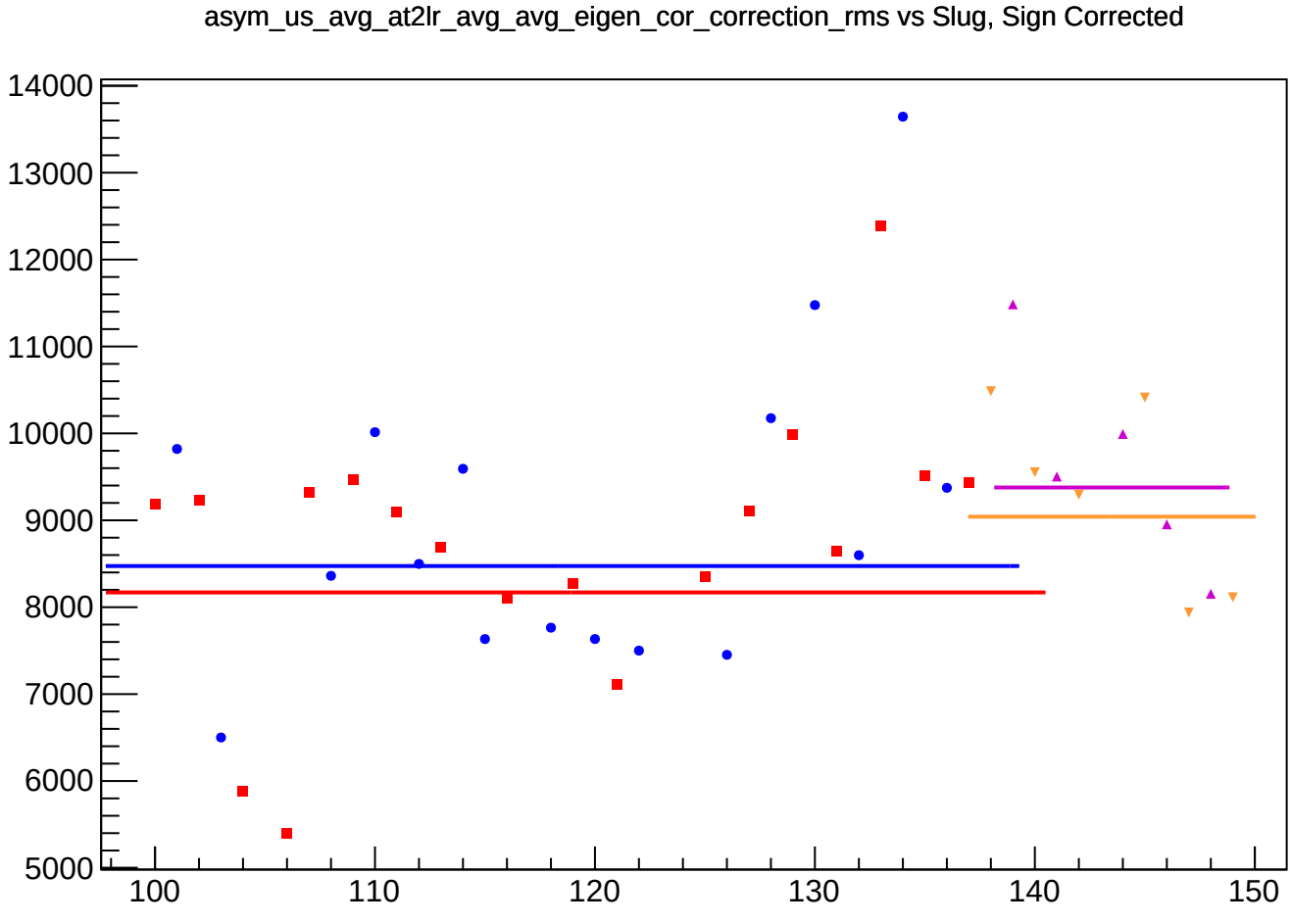
Left: 5304.516+/-3112.539 χ^2/NDF: 7.6/10

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -588.510+/-2617.628 χ^2/NDF:16.4/20

Out: 2406.052+/-2511.978 χ^2/NDF:24.4/23

All: 970.421+/-1812.436 χ^2/NDF: 41.5/44



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9041.776+/-3.031 χ^2/NDF:116140.4/5

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9377.486+/-3.201 χ^2/NDF:105572.3/4

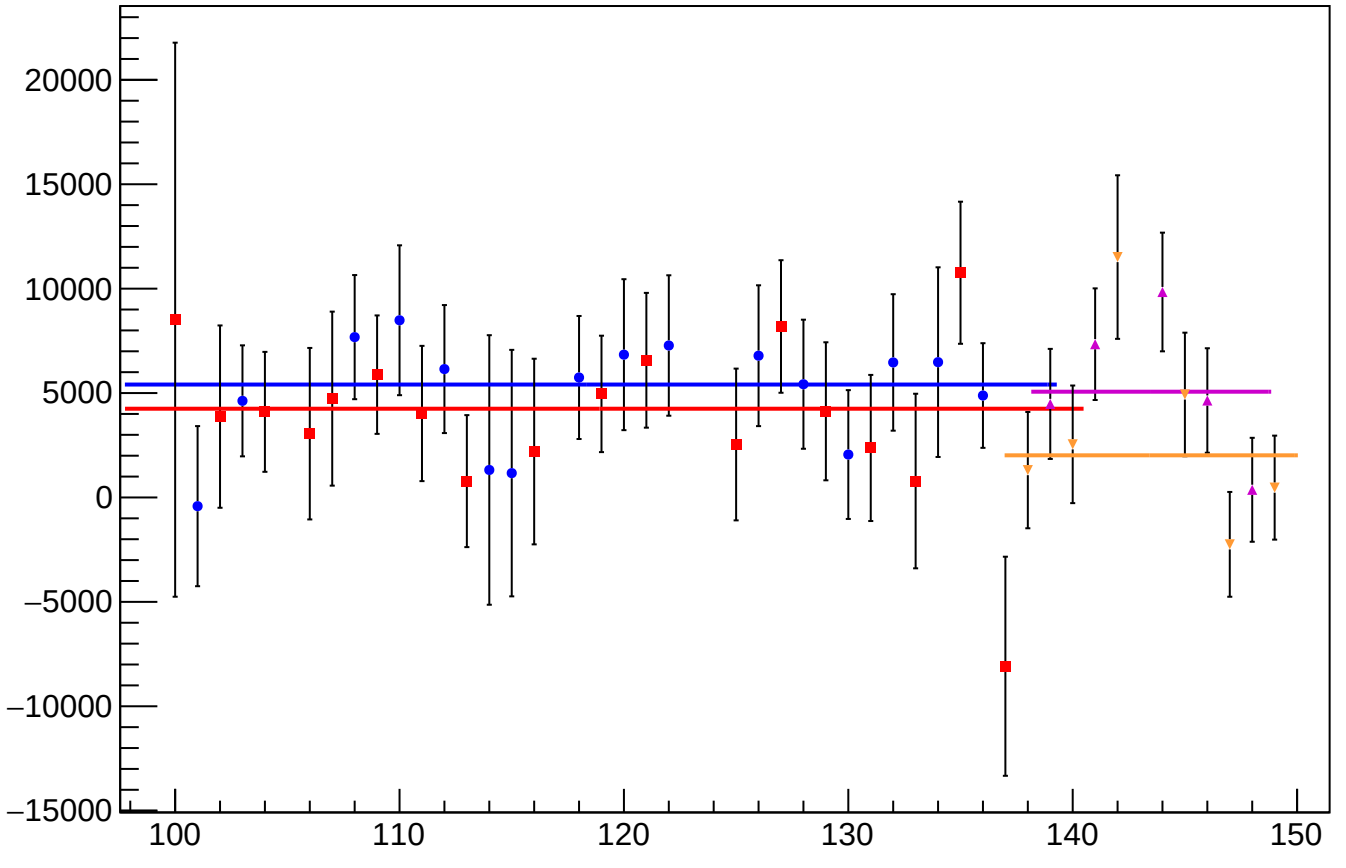
Left: 9200.507+/-2.201 χ^2/NDF: 227512.1/10

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8775.966+/-1.851 χ^2/NDF:588182.6/20

Out: 8469.359+/-1.776 χ^2/NDF:710374.2/23

All: 8616.350+/-1.282 χ^2/NDF: 1312841.5/44



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2018.331+/-1151.326 χ^2/NDF:10.2/5

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5064.798+/-1171.332 χ^2/NDF:7.2/4

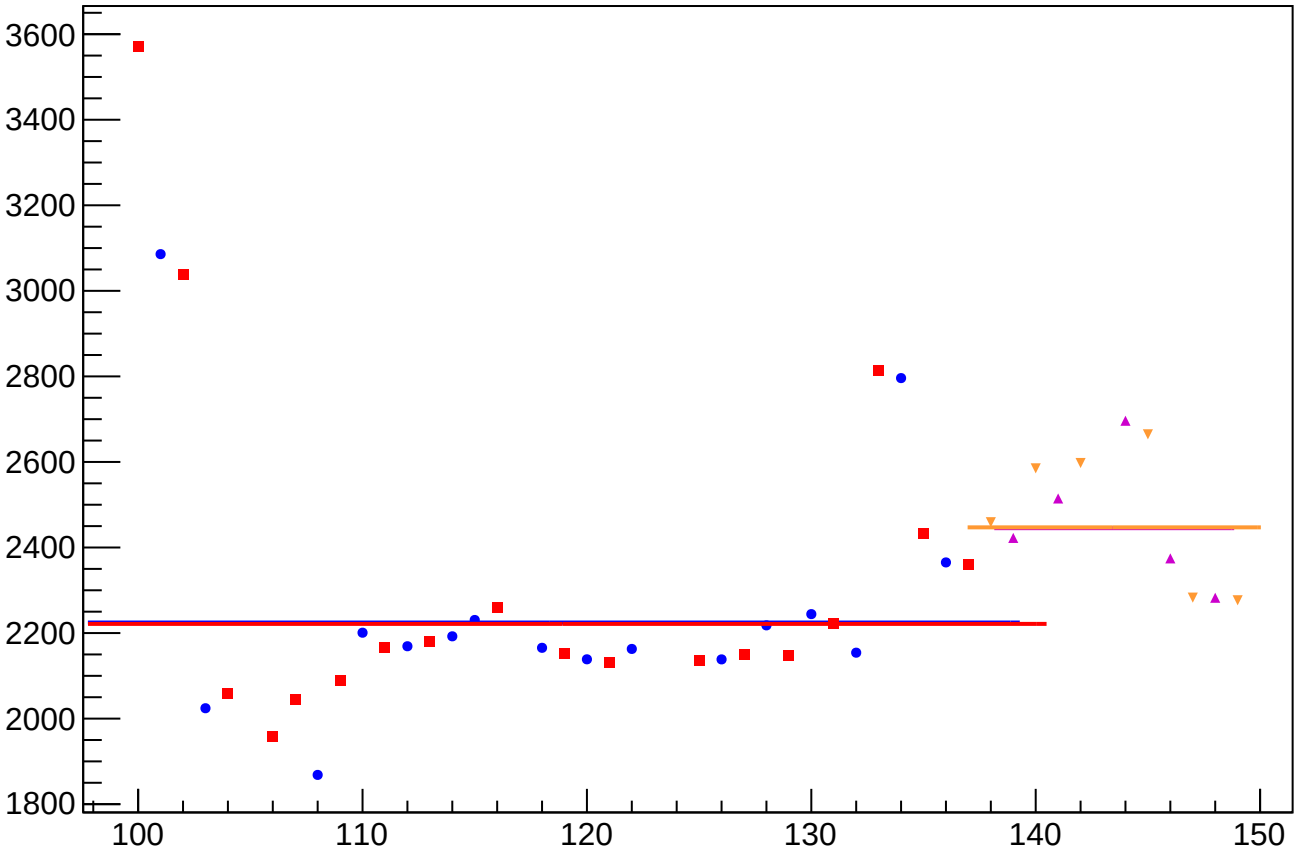
Left: 3515.327+/-821.092 χ^2/NDF: 20.8/10

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5292.512+/-679.216 χ^2/NDF:14.0/20

Out: 3475.477+/-678.238 χ^2/NDF:27.1/23

All: 4382.686+/-479.932 χ^2/NDF: 44.7/44



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2447.100+/-0.814 χ^2/NDF:36528.0/5

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.207+/-0.828 χ^2/NDF:27249.2/4

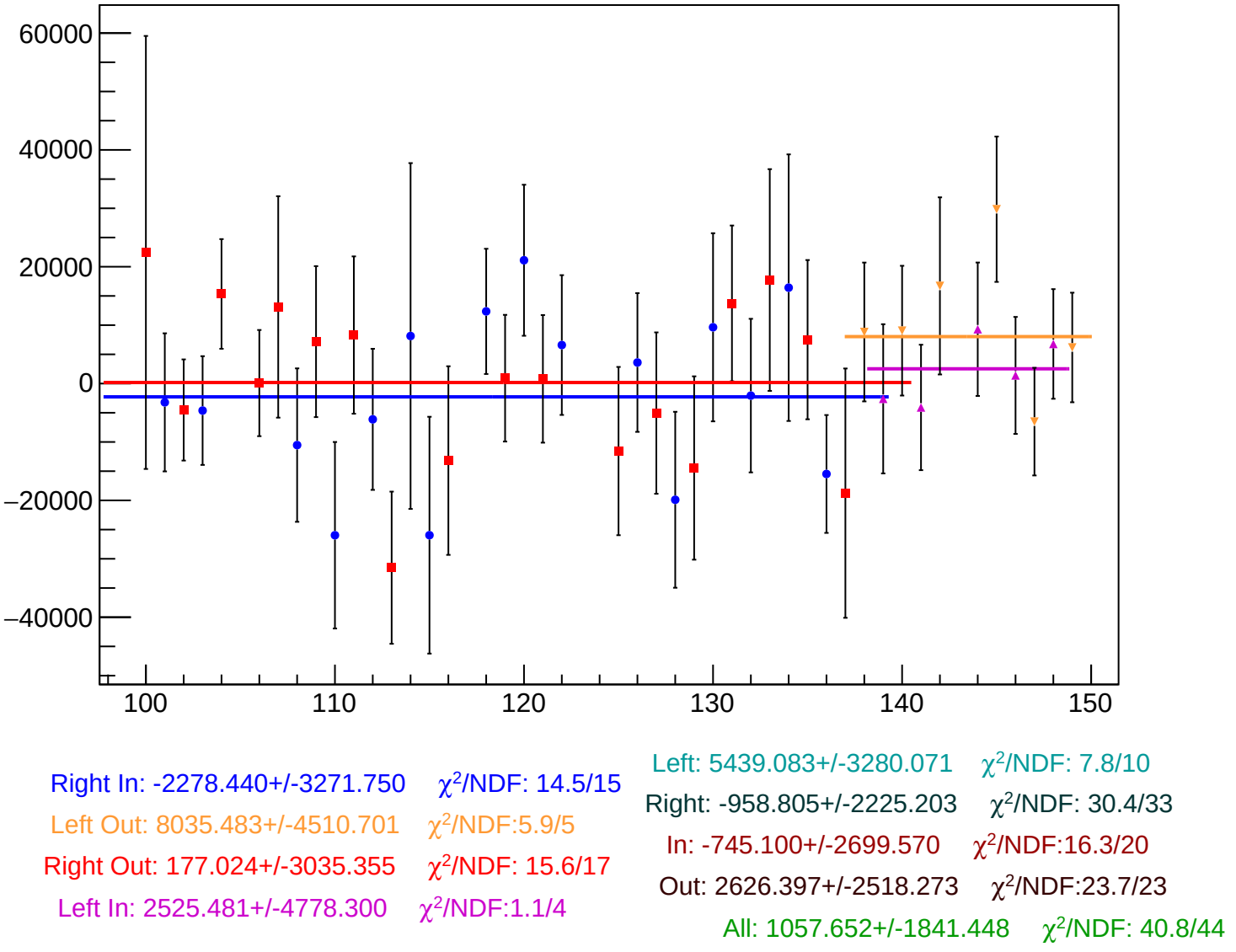
Left: 2446.169+/-0.581 χ^2/NDF: 63779.8/10

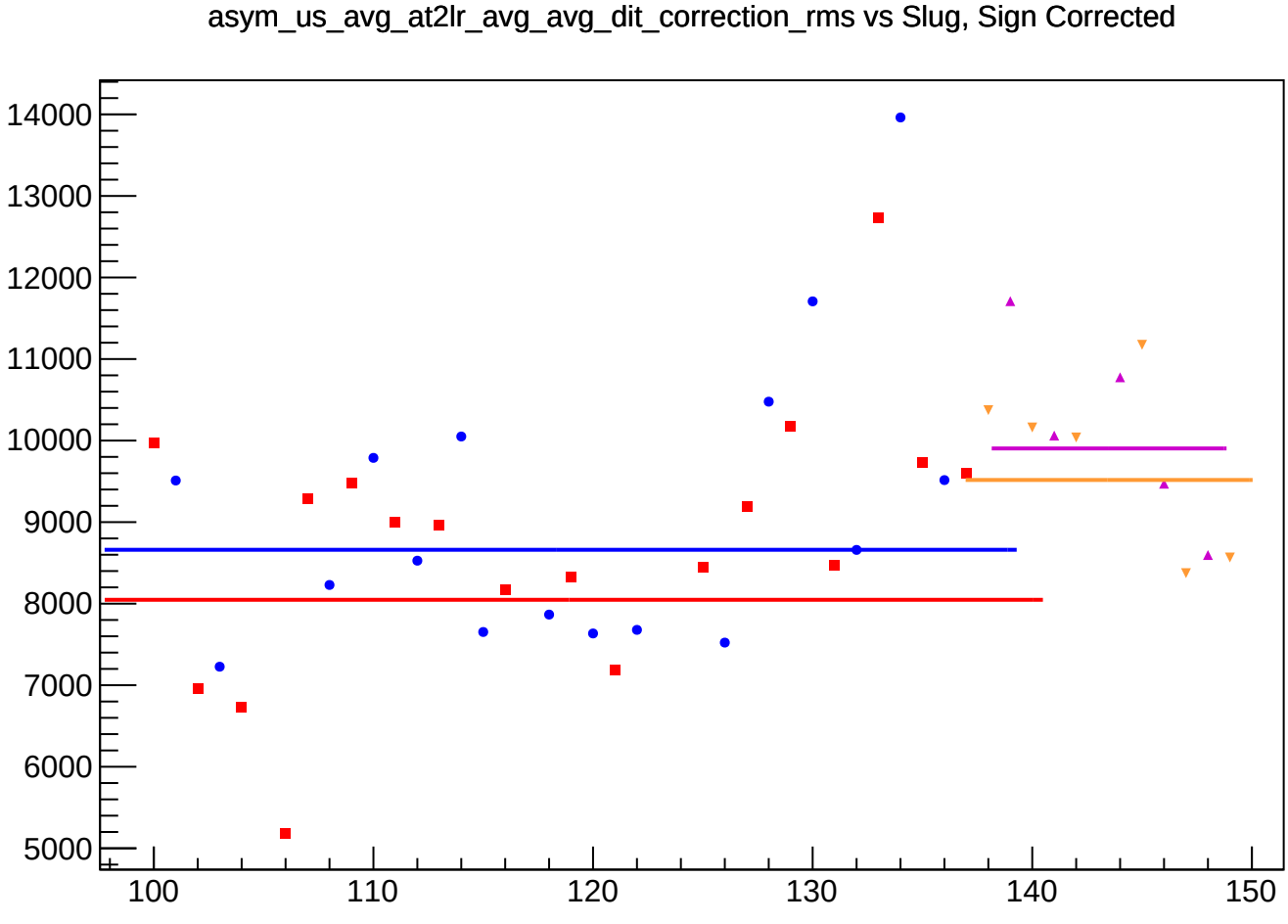
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2298.787+/-0.480 χ^2/NDF:259011.7/20

Out: 2299.678+/-0.479 χ^2/NDF:256669.2/23

All: 2299.233+/-0.339 χ^2/NDF: 515682.6/44


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: 8035.483+/-4510.701 χ²/NDF:5.9/5
Right Out: 177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: 2525.481+/-4778.300 χ²/NDF:1.1/4
Left: 5439.083+/-3280.071 χ²/NDF: 7.8/10
Right: -958.805+/-2225.203 χ²/NDF: 30.4/33
In: -745.100+/-2699.570 χ²/NDF:16.3/20
Out: 2626.397+/-2518.273 χ²/NDF:23.7/23
All: 1057.652+/-1841.448 χ²/NDF: 40.8/44



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 9516.829+/-3.190 χ^2/NDF:106308.8/5

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9903.419+/-3.379 χ^2/NDF:94637.0/4

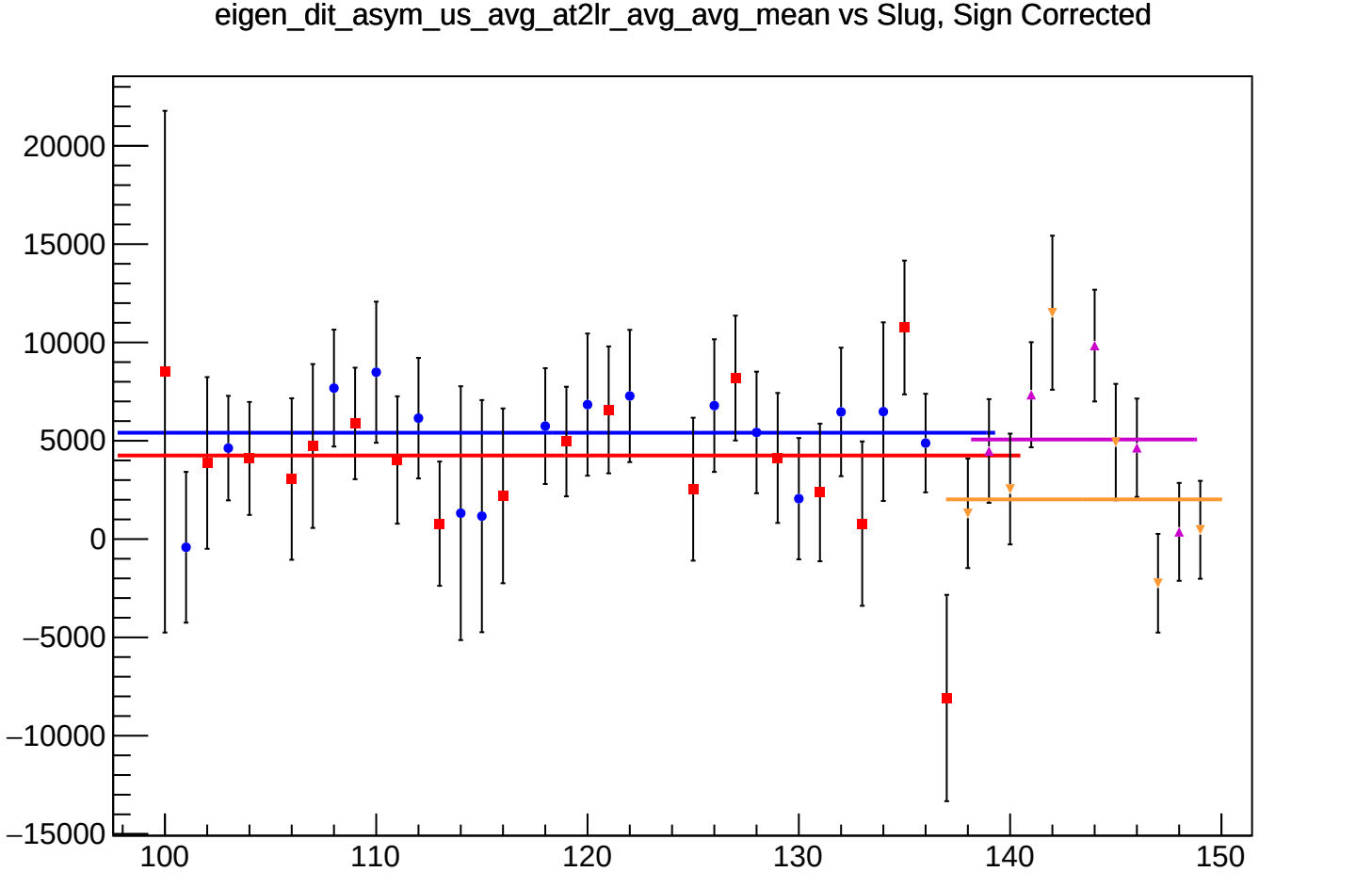
Left: 9698.996+/-2.319 χ^2/NDF: 207868.3/10

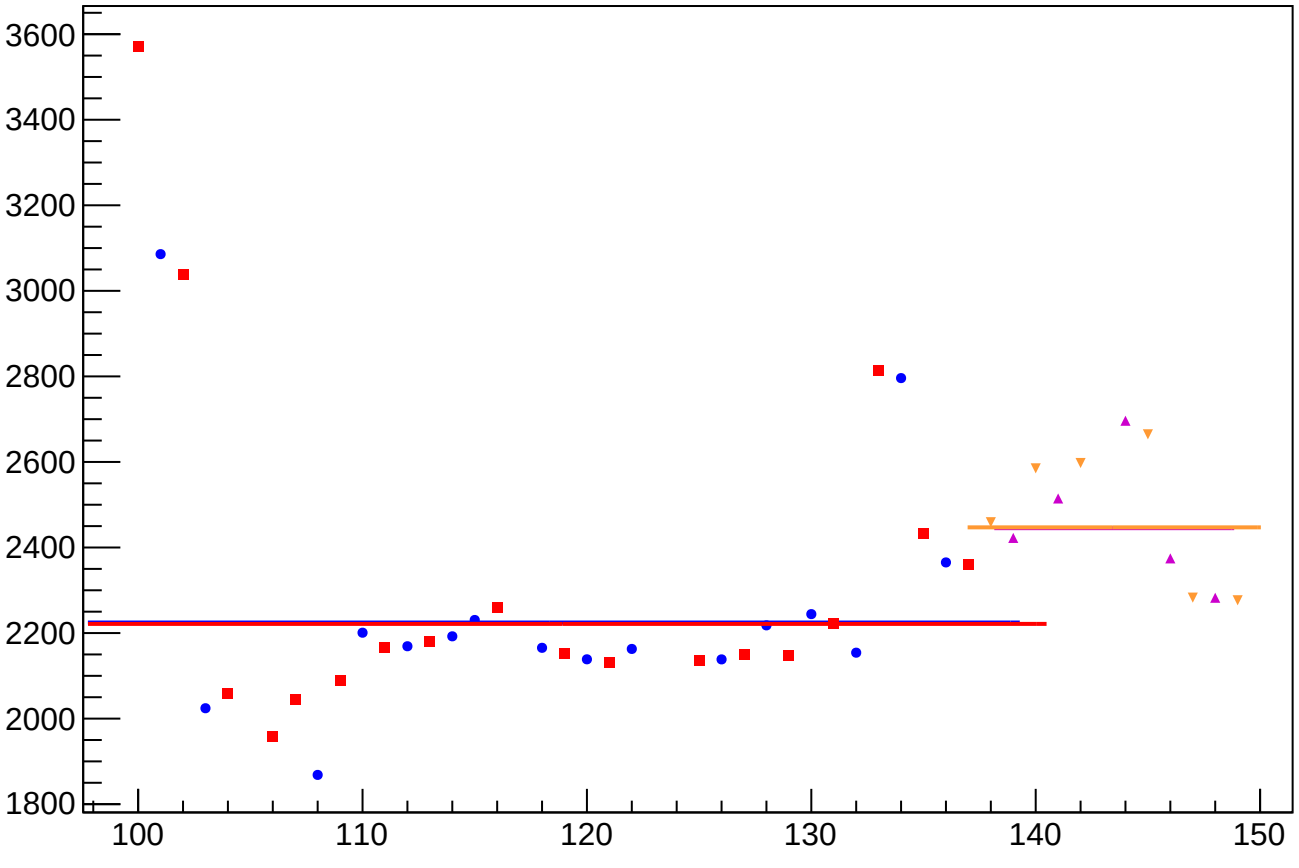
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9057.379+/-1.909 χ^2/NDF:544693.7/20

Out: 8505.442+/-1.781 χ^2/NDF:810948.2/23

All: 8762.256+/-1.302 χ^2/NDF: 1400344.6/44


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 2018.344+/-1151.327 χ²/NDF:10.2/5
Right Out: 4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: 5064.790+/-1171.333 χ²/NDF:7.2/4
Left: 3515.328+/-821.093 χ²/NDF: 20.8/10
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5292.510+/-679.216 χ²/NDF:14.0/20
Out: 3475.485+/-678.238 χ²/NDF:27.1/23
All: 4382.689+/-479.932 χ²/NDF: 44.7/44



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2447.102+/-0.814 χ^2/NDF:36528.6/5

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2445.210+/-0.828 χ^2/NDF:27249.4/4

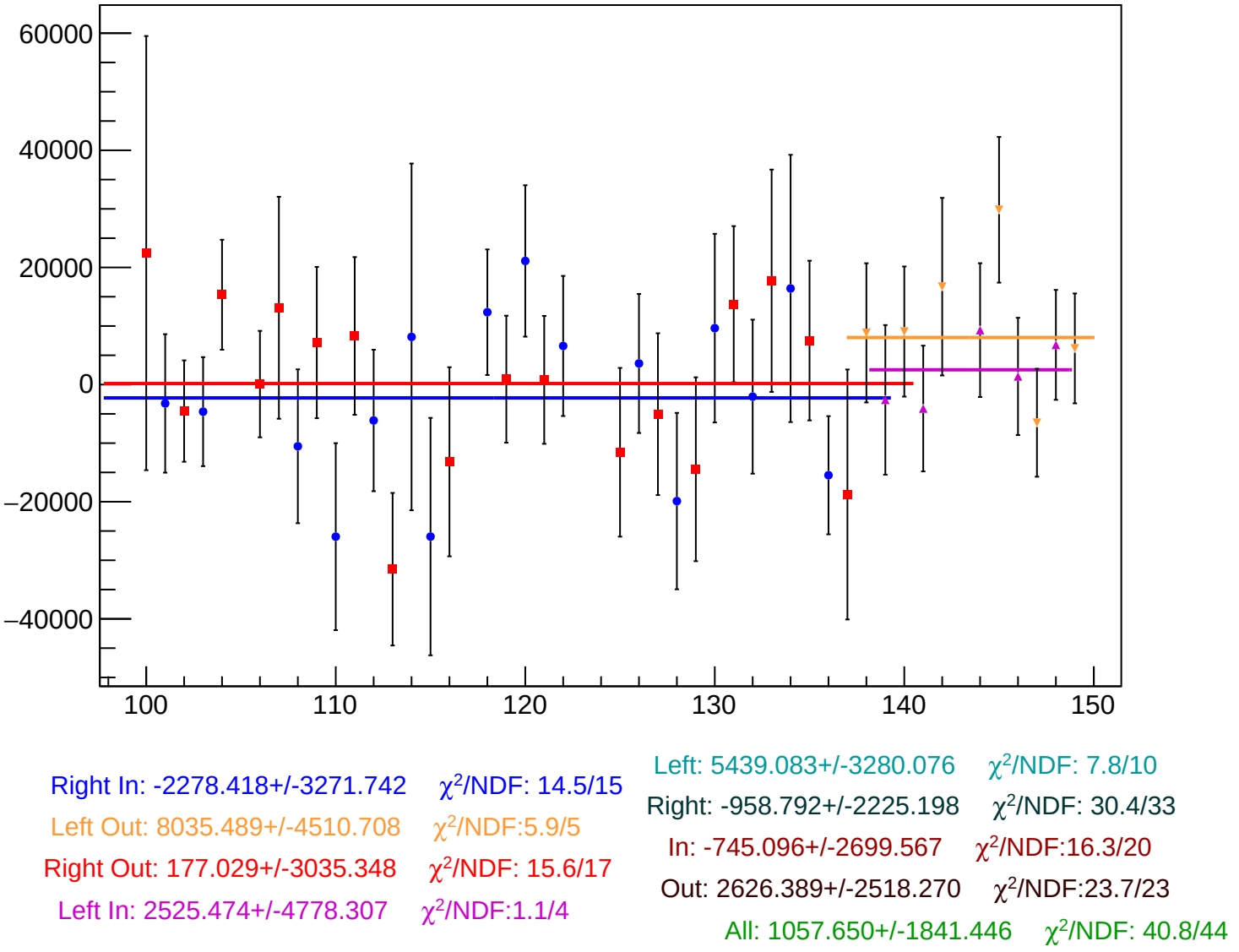
Left: 2446.172+/-0.581 χ^2/NDF: 63780.6/10

Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

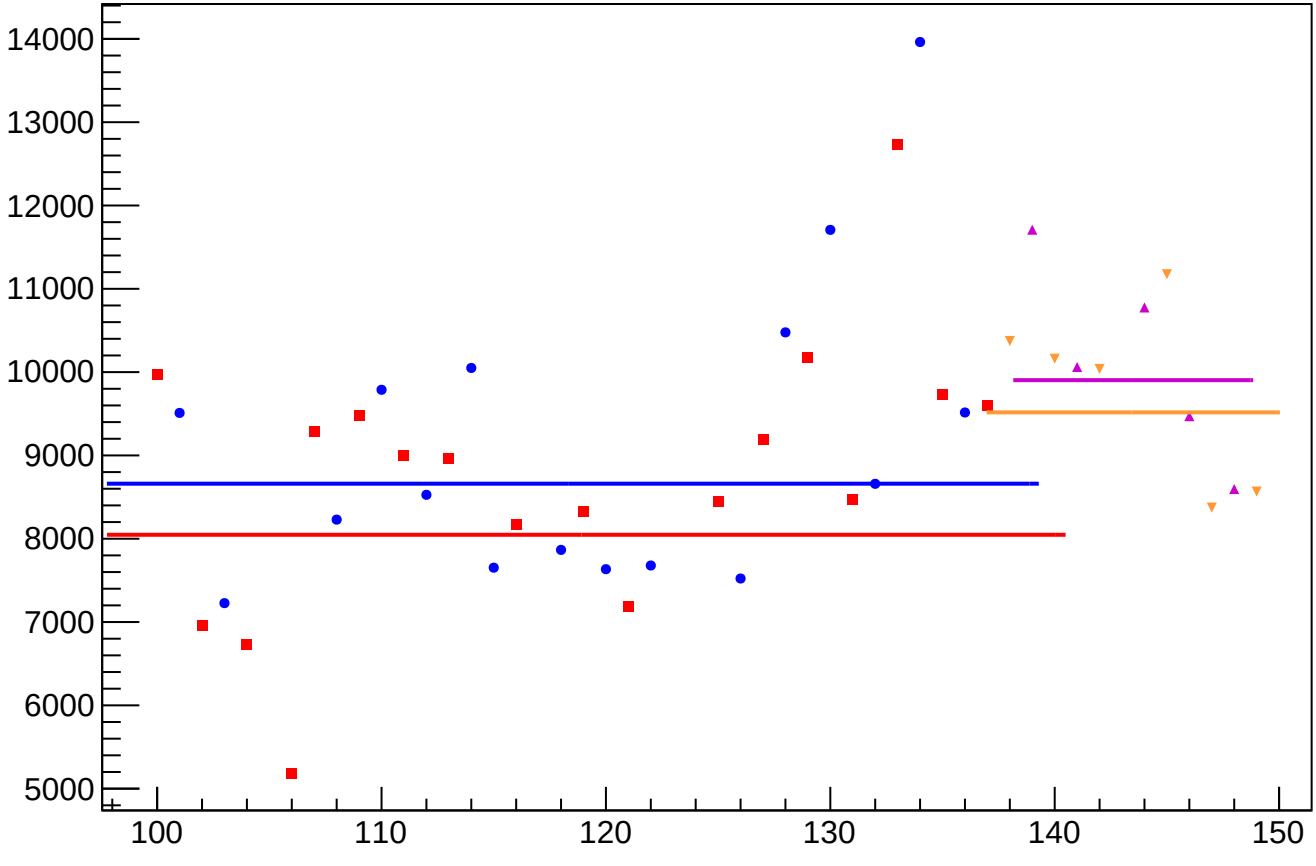
In: 2298.787+/-0.480 χ^2/NDF:259013.7/20

Out: 2299.678+/-0.479 χ^2/NDF:256671.1/23

All: 2299.234+/-0.339 χ^2/NDF: 515686.5/44


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: 8035.489+/-4510.708 χ²/NDF:5.9/5
Right Out: 177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: 2525.474+/-4778.307 χ²/NDF:1.1/4
Left: 5439.083+/-3280.076 χ²/NDF: 7.8/10
Right: -958.792+/-2225.198 χ²/NDF: 30.4/33
In: -745.096+/-2699.567 χ²/NDF:16.3/20
Out: 2626.389+/-2518.270 χ²/NDF:23.7/23
All: 1057.650+/-1841.446 χ²/NDF: 40.8/44

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: 9516.842+/-3.190 χ^2/NDF:106310.0/5

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 9903.433+/-3.379 χ^2/NDF:94637.8/4

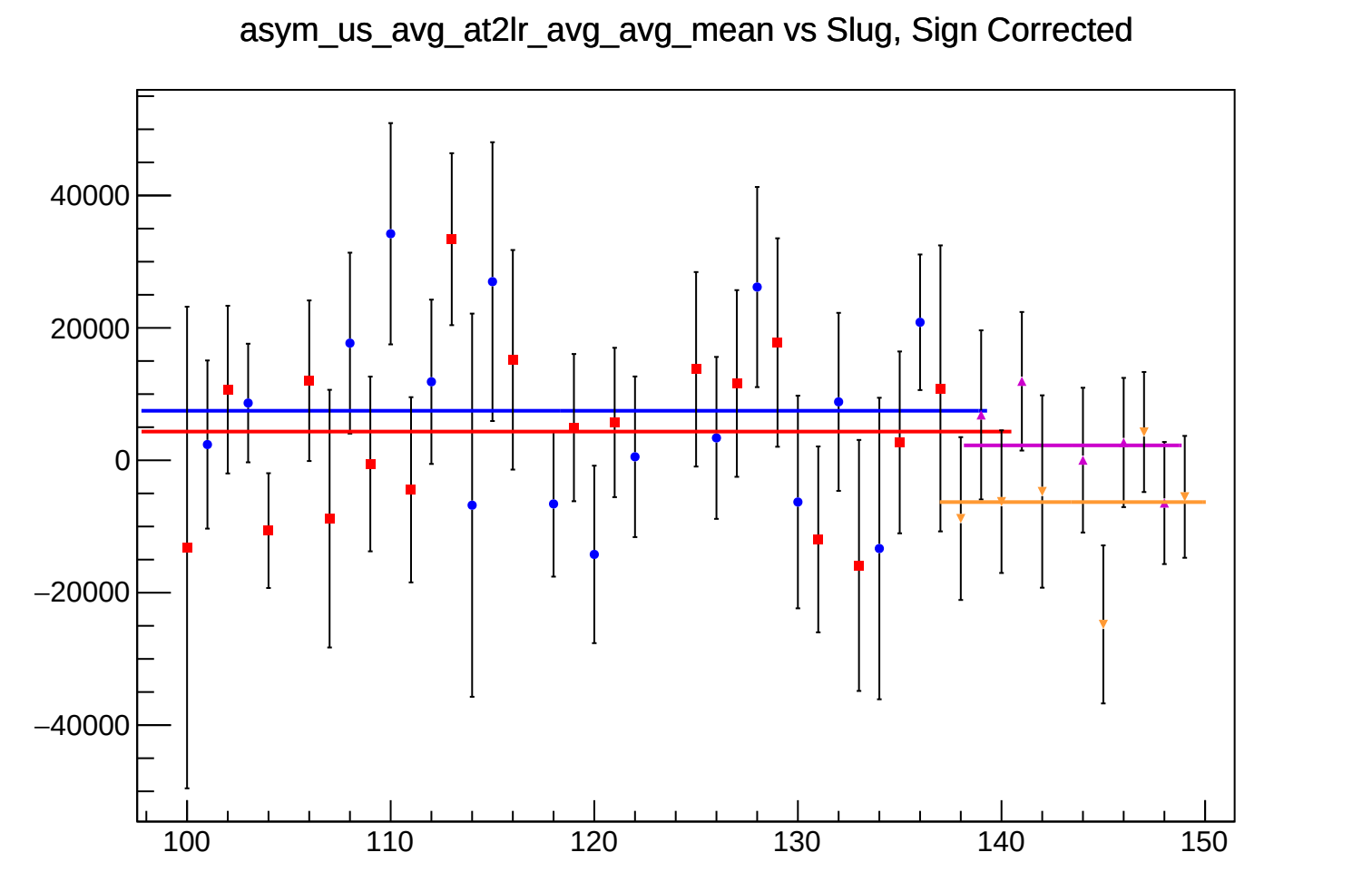
Left: 9699.010+/-2.319 χ^2/NDF: 207870.3/10

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9057.367+/-1.909 χ^2/NDF:544702.0/20

Out: 8505.431+/-1.781 χ^2/NDF:810953.7/23

All: 8762.245+/-1.302 χ^2/NDF: 1400358.3/44



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -6309.829+/-4430.247 χ^2/NDF:3.8/5

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2256.707+/-4668.695 χ^2/NDF:1.9/4

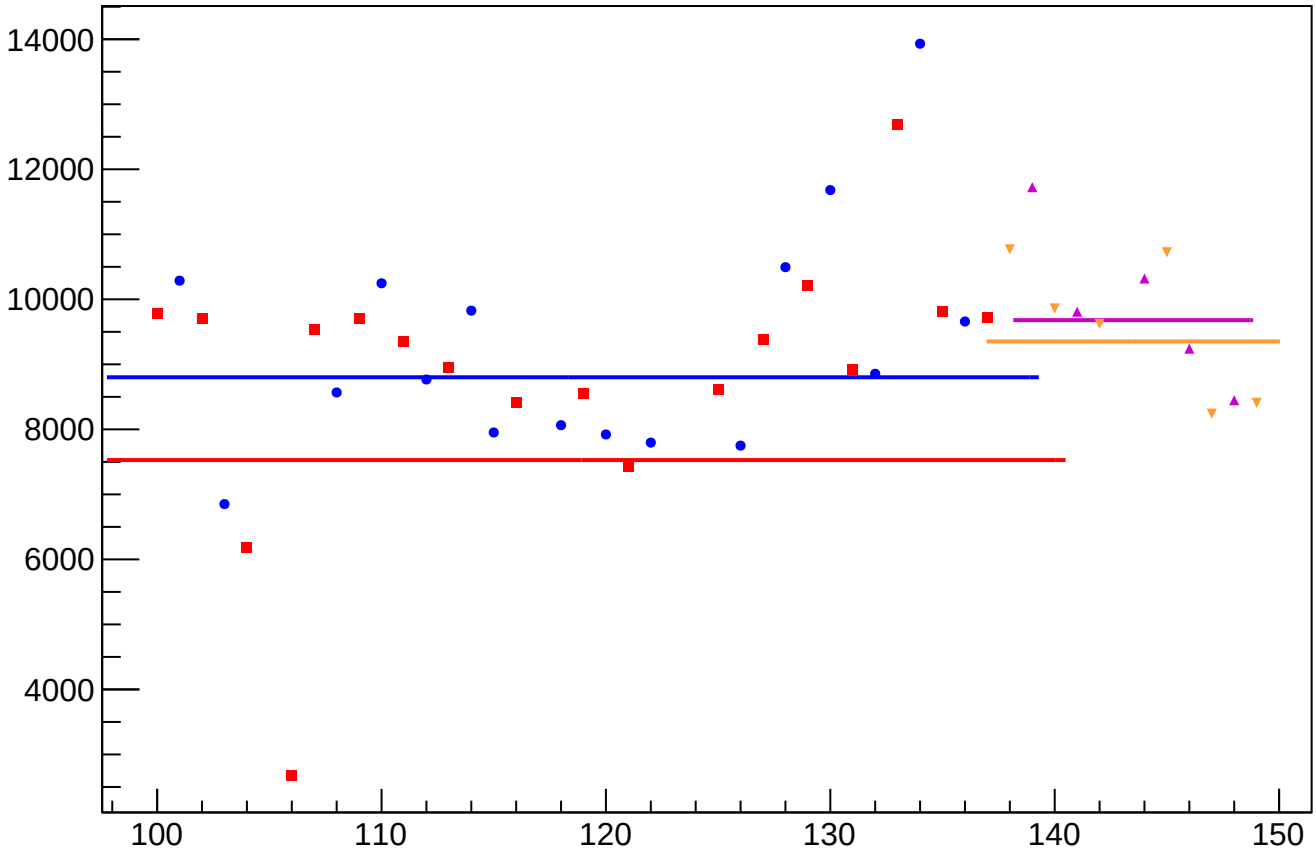
Left: -2250.903+/-3213.649 χ^2/NDF: 7.5/10

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5719.257+/-2711.539 χ^2/NDF:16.8/20

Out: 623.731+/-2616.618 χ^2/NDF:21.9/23

All: 3080.746+/-1882.891 χ^2/NDF: 40.5/44



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9351.871+/-3.133 χ^2/NDF:109090.5/5

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9679.796+/-3.301 χ^2/NDF:98151.9/4

Left: 9507.246+/-2.272 χ^2/NDF: 212434.4/10

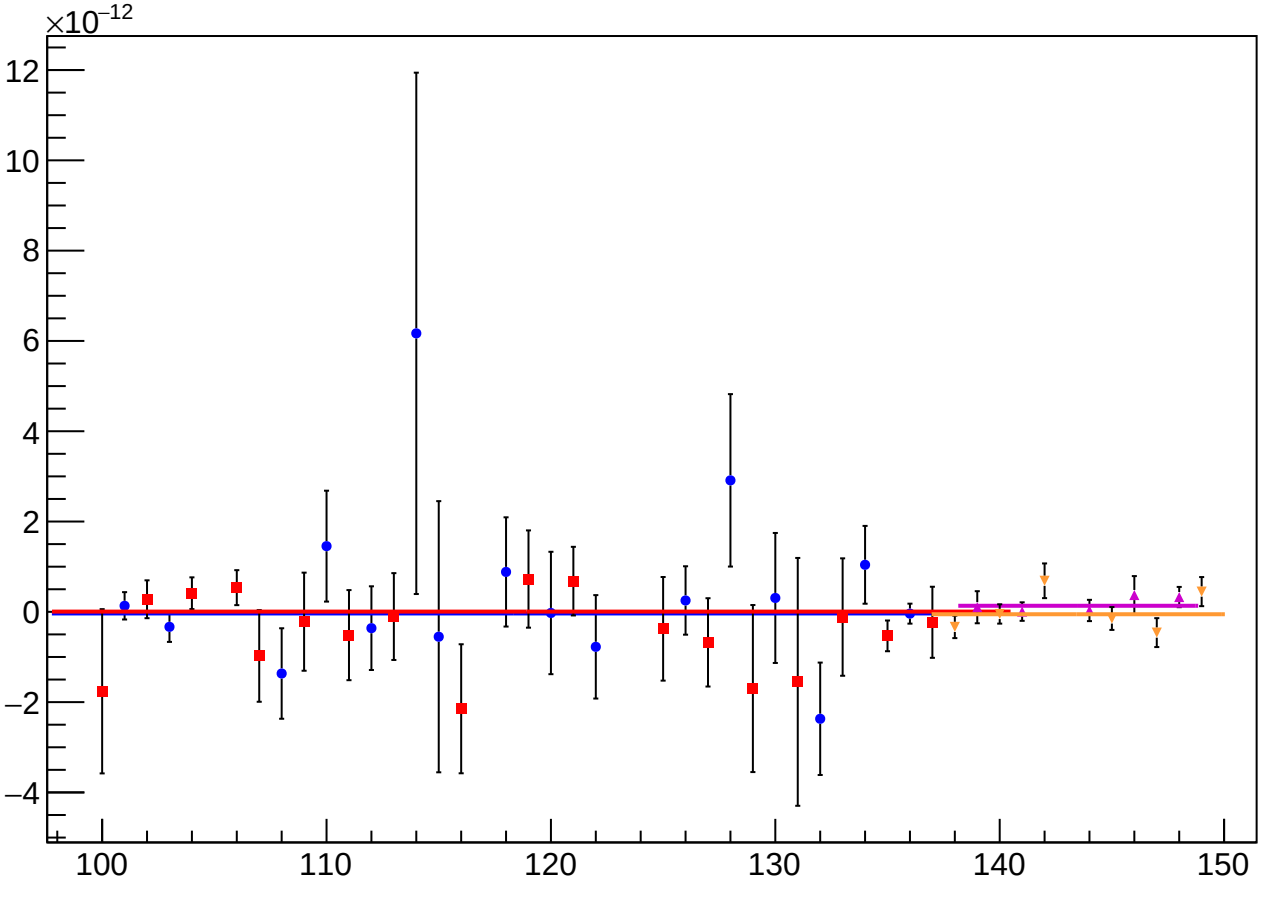
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9097.479+/-1.917 χ^2/NDF:539678.5/20

Out: 8103.862+/-1.760 χ^2/NDF:1998360.7/23

All: 8558.366+/-1.297 χ^2/NDF: 2683754.3/44

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:9.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

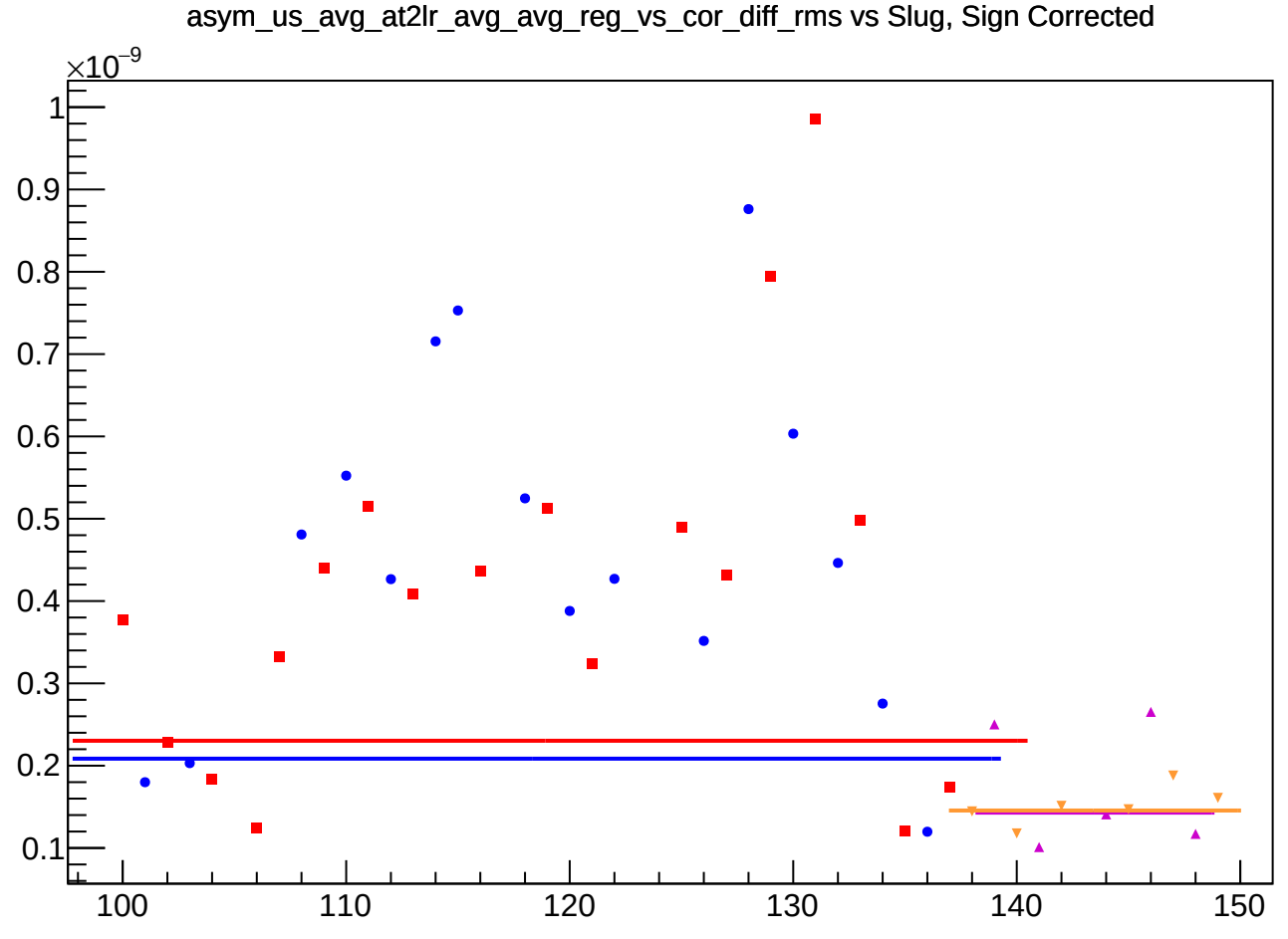
Left: 0.000+/-0.000 χ^2/NDF: 12.2/10

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

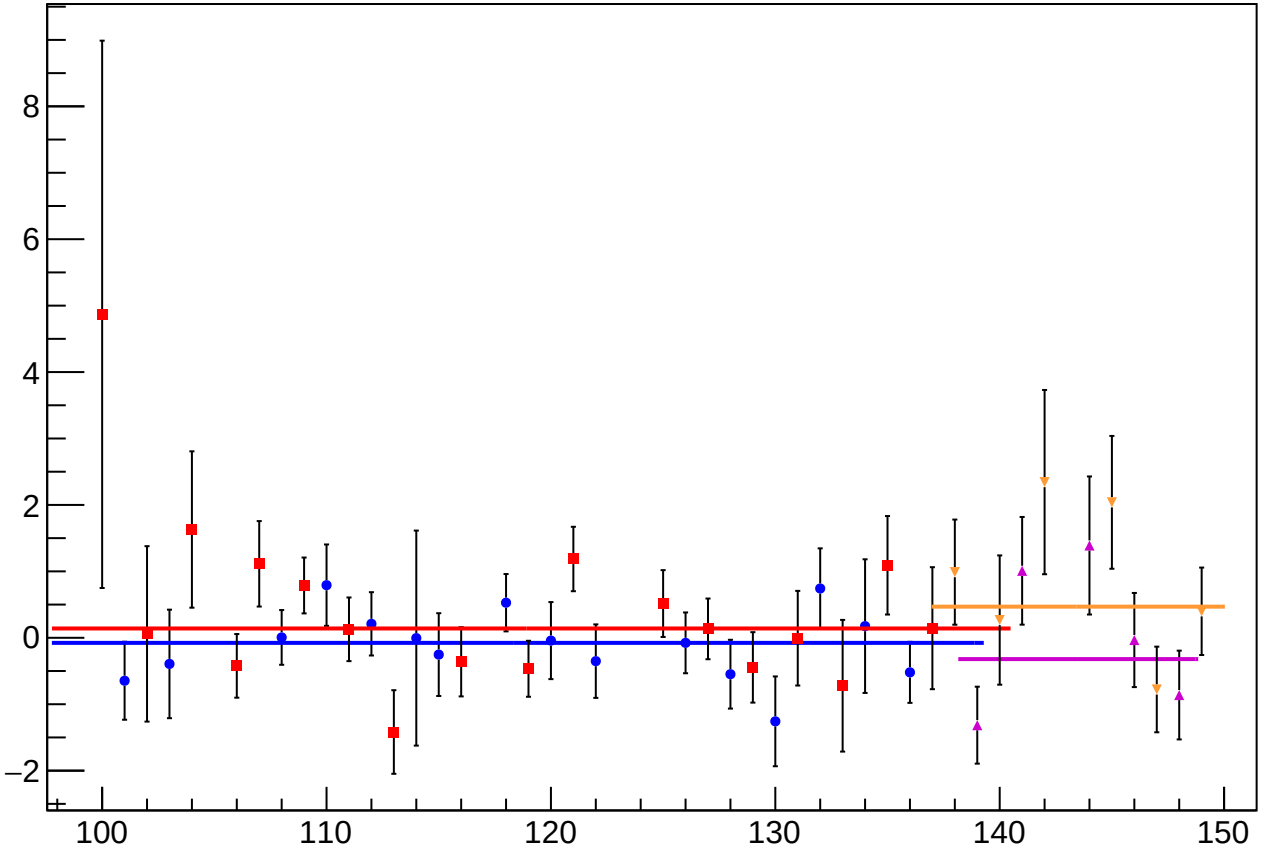
In: 0.000+/-0.000 χ^2/NDF:16.8/20

Out: -0.000+/-0.000 χ^2/NDF:23.0/23

All: 0.000+/-0.000 χ^2/NDF: 40.4/44


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.9
0.8
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: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:74190.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:462159.0/4
Left: 0.000+/-0.000 χ²/NDF: 536871.4/10
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:2352124.4/20
Out: 0.000+/-0.000 χ²/NDF:2023655.5/23
All: 0.000+/-0.000 χ²/NDF: 4379052.6/44

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: 0.469+/-0.335 χ^2/NDF:8.5/5

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.321+/-0.322 χ^2/NDF:9.2/4

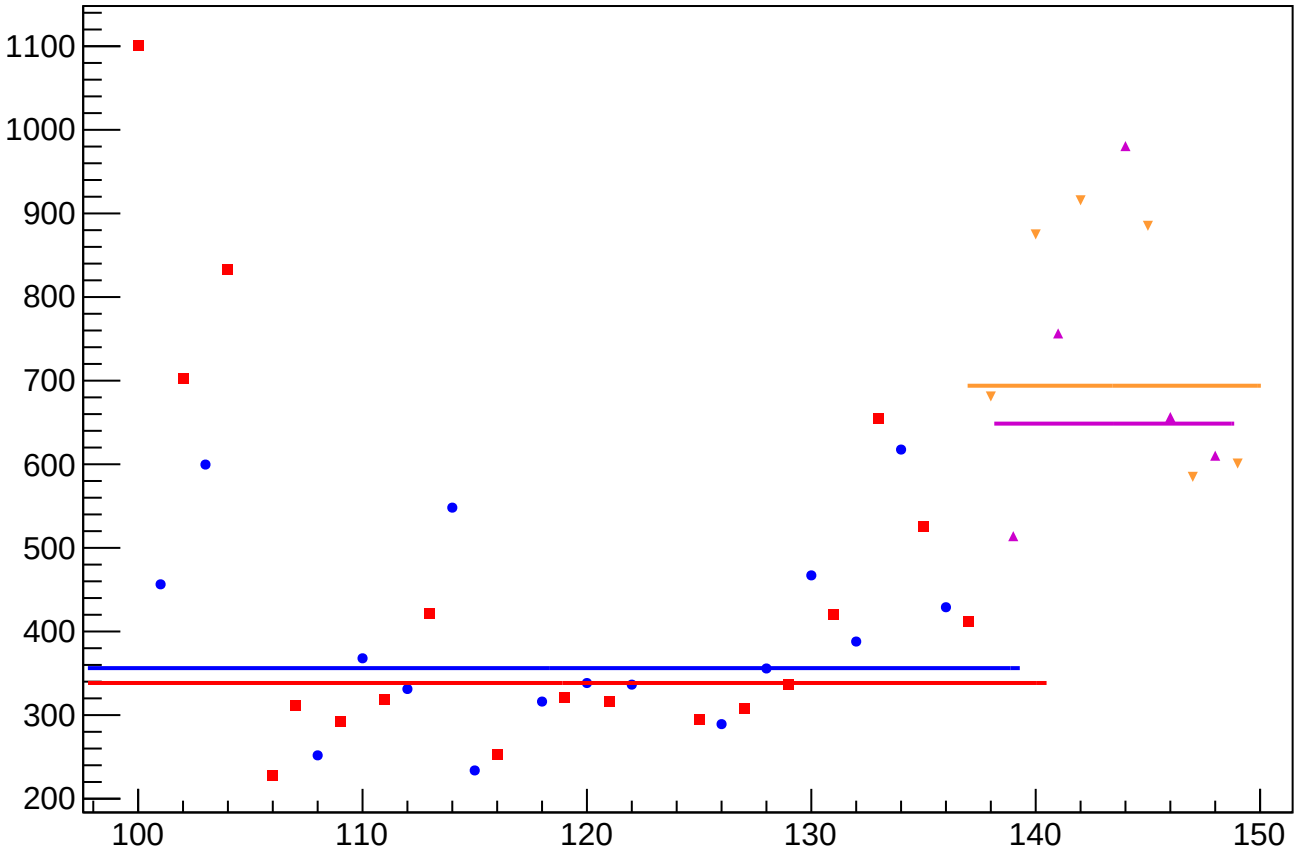
Left: 0.058+/-0.232 χ^2/NDF: 20.6/10

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

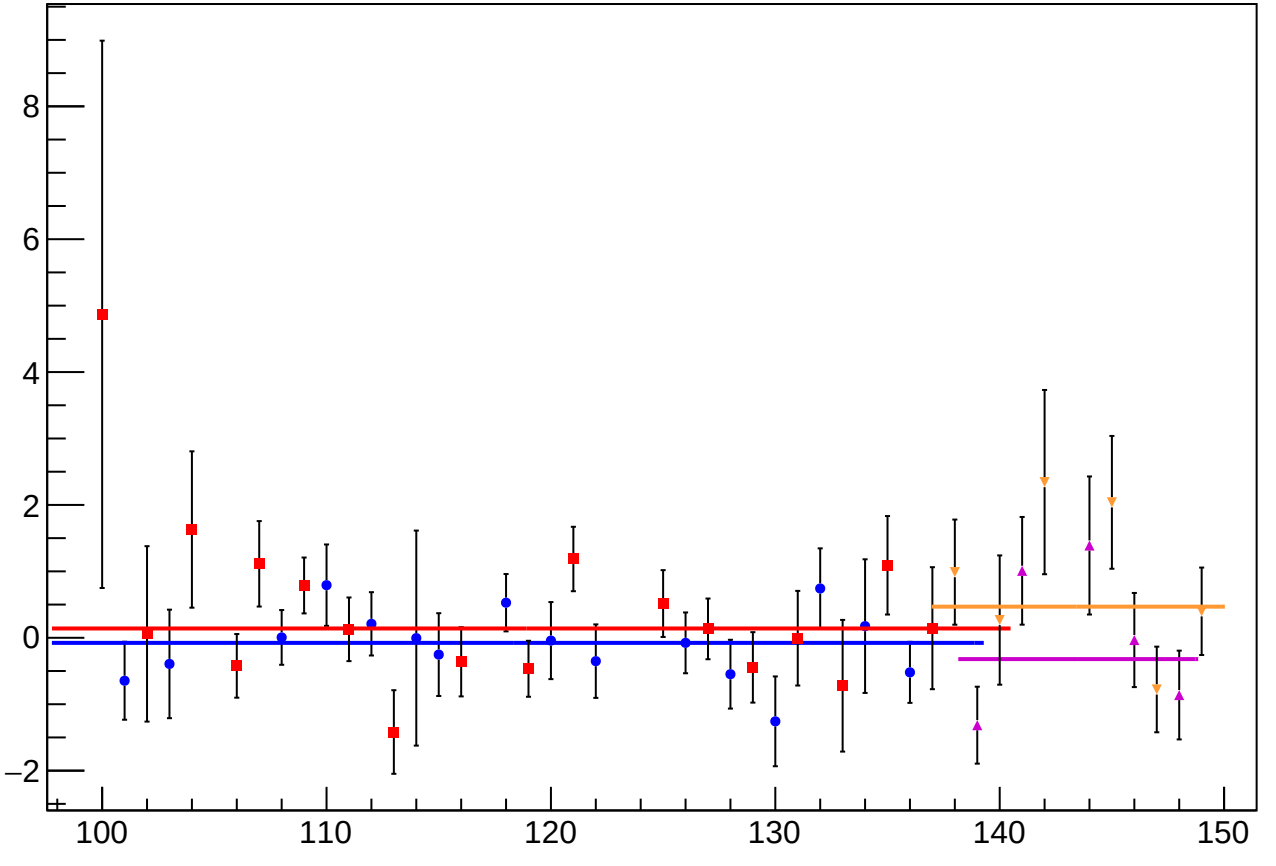
In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.188+/-0.128 χ^2/NDF:36.3/23

All: 0.037+/-0.090 χ^2/NDF: 61.3/44


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 693.946+/-0.237 χ²/NDF:291277.1/5
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 648.617+/-0.228 χ²/NDF:354404.9/4
Left: 670.340+/-0.164 χ²/NDF: 664707.8/10
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 402.689+/-0.091 χ²/NDF:2529005.8/20
Out: 389.871+/-0.090 χ²/NDF:3416824.0/23
All: 396.245+/-0.064 χ²/NDF: 5955866.3/44

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: 0.469+/-0.335 χ^2/NDF:8.5/5

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.321+/-0.322 χ^2/NDF:9.2/4

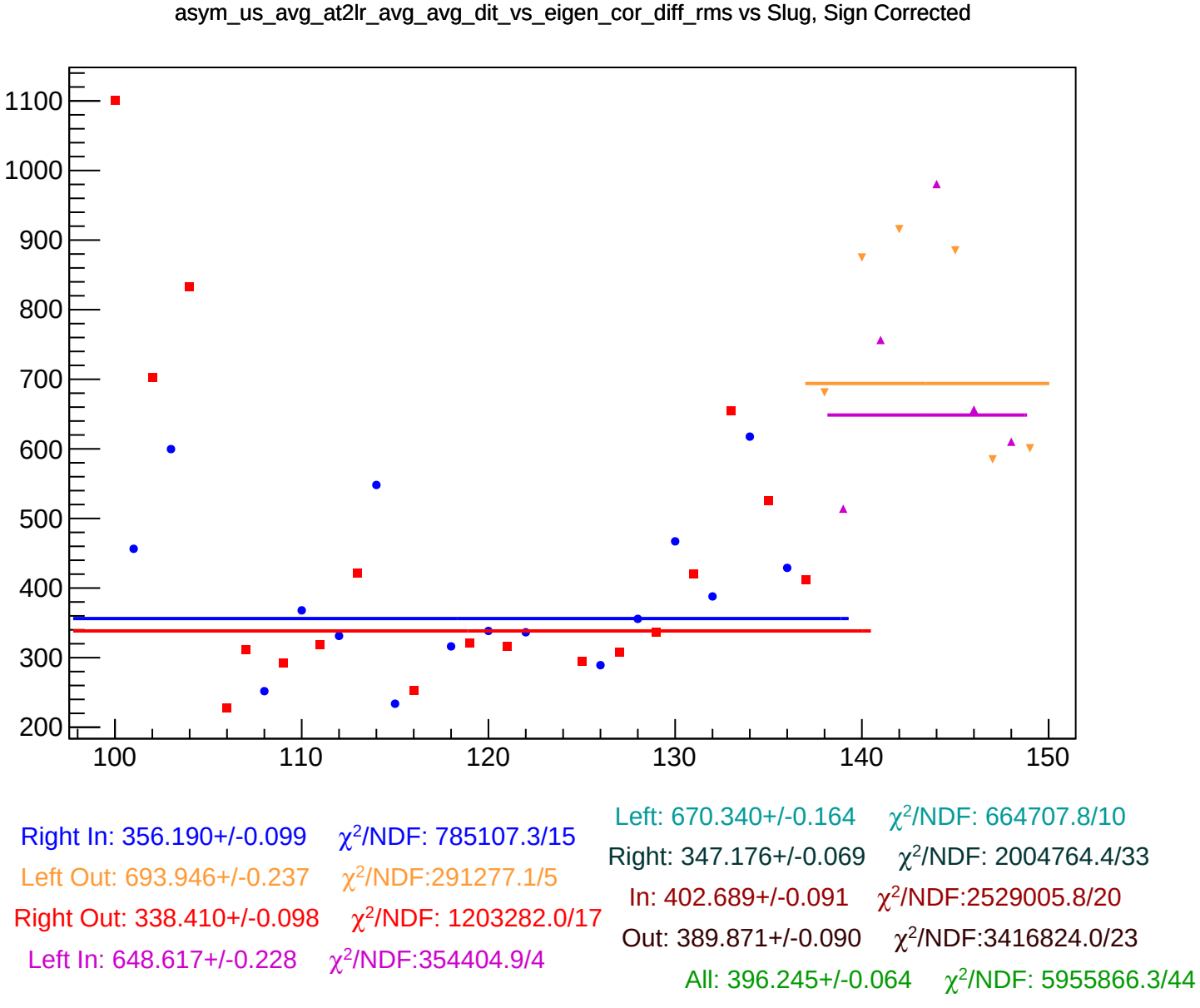
Left: 0.058+/-0.232 χ^2/NDF: 20.6/10

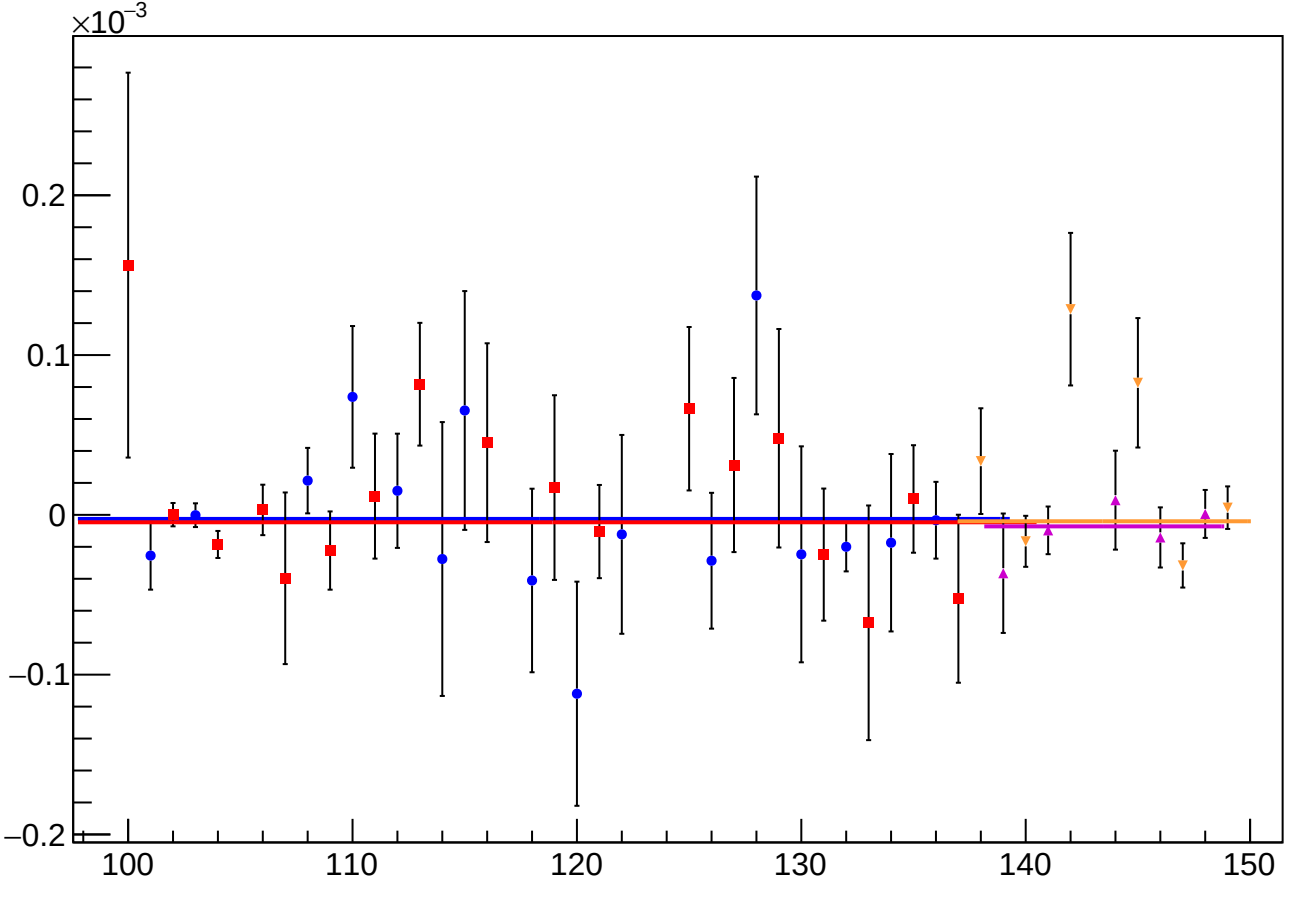
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.188+/-0.128 χ^2/NDF:36.3/23

All: 0.037+/-0.090 χ^2/NDF: 61.3/44


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 693.946+/-0.237 χ²/NDF:291277.1/5
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 648.617+/-0.228 χ²/NDF:354404.9/4
Left: 670.340+/-0.164 χ²/NDF: 664707.8/10
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 402.689+/-0.091 χ²/NDF:2529005.8/20
Out: 389.871+/-0.090 χ²/NDF:3416824.0/23
All: 396.245+/-0.064 χ²/NDF: 5955866.3/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

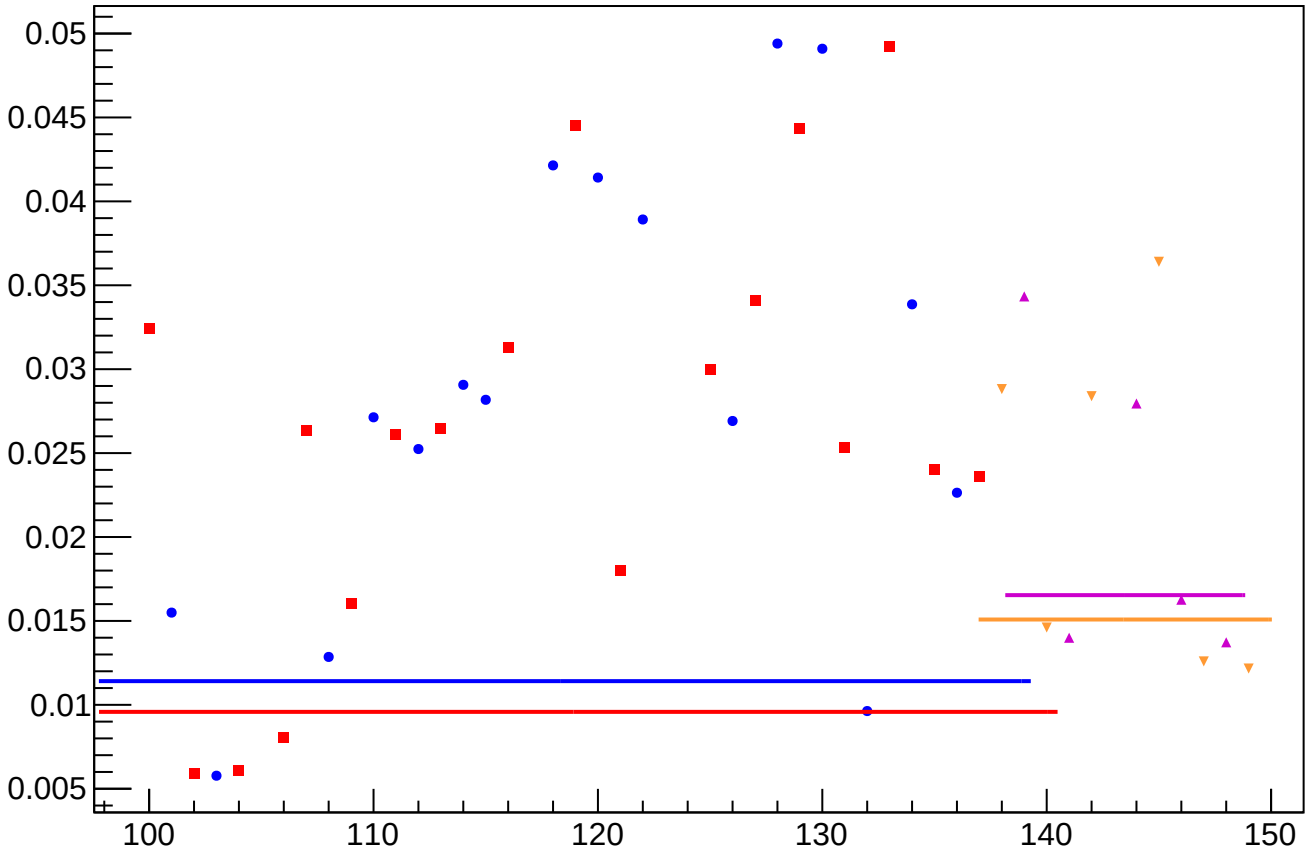
Left: -0.000+/-0.000 χ^2/NDF: 20.0/10

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:16.6/20

Out: -0.000+/-0.000 χ^2/NDF:35.7/23

All: -0.000+/-0.000 χ^2/NDF: 52.3/44



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:1216969.3/5

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.017+/-0.000 χ^2/NDF:854467.2/4

Left: 0.016+/-0.000 χ^2/NDF: 2102997.2/10

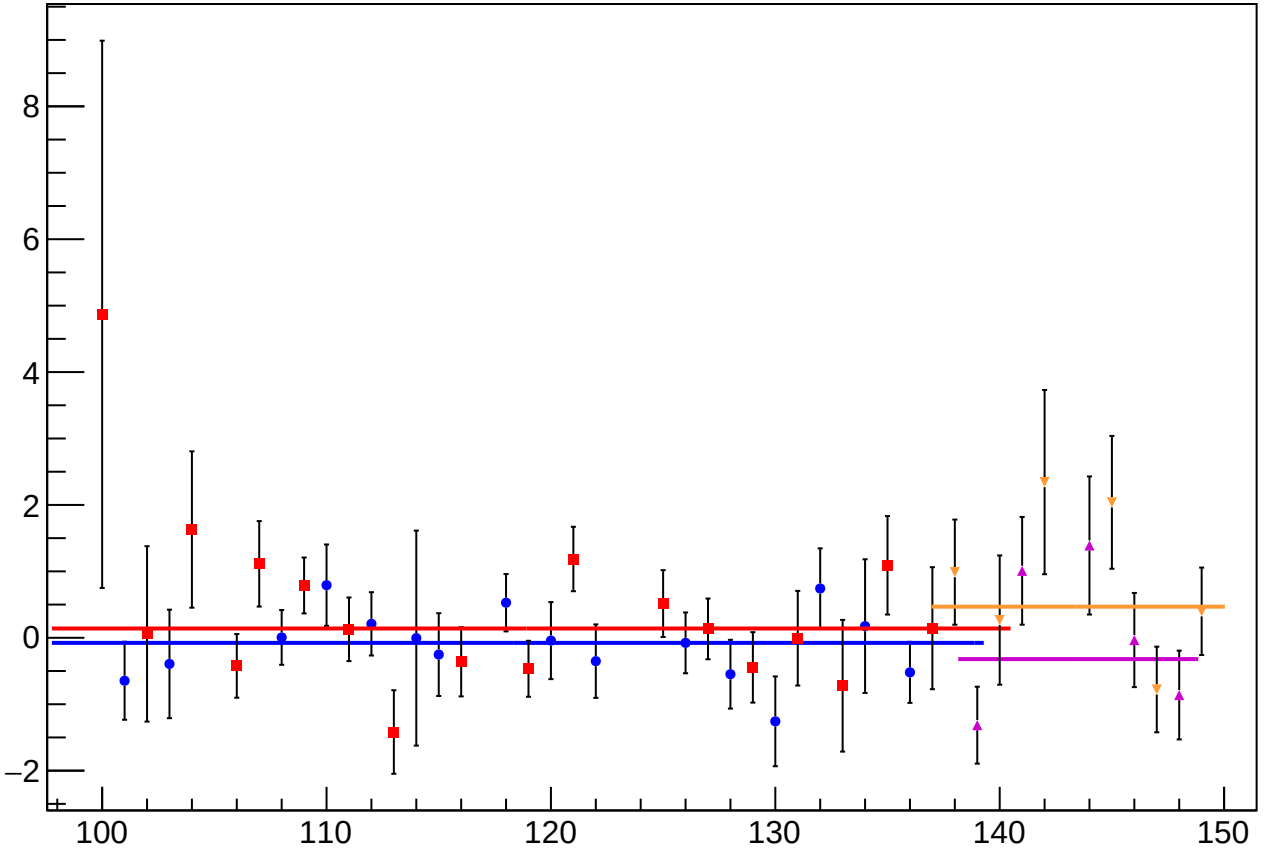
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:6855714.7/20

Out: 0.011+/-0.000 χ^2/NDF:7743006.8/23

All: 0.012+/-0.000 χ^2/NDF: 14777764.5/44

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: 0.469+/-0.335 χ^2/NDF:8.5/5

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: 0.058+/-0.232 χ^2/NDF: 20.6/10

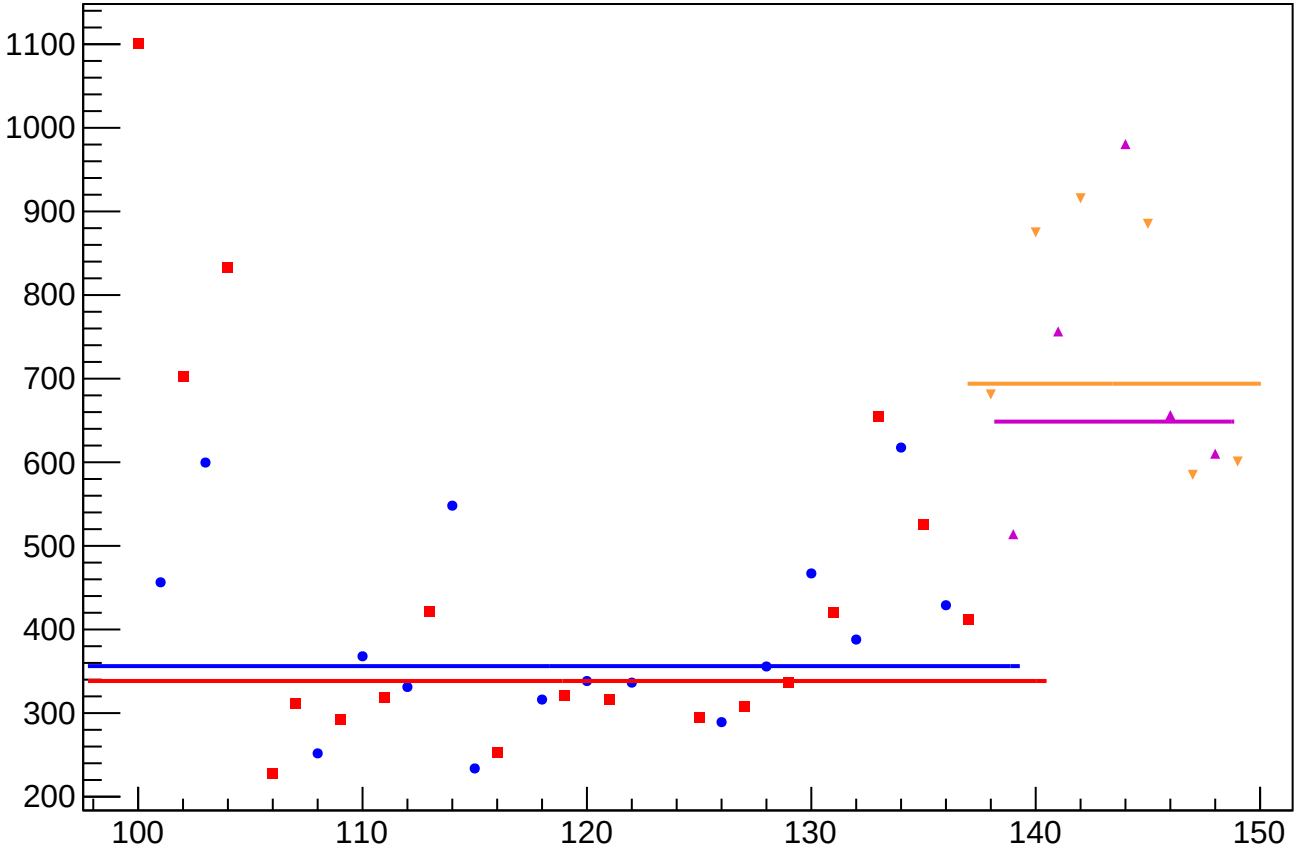
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.188+/-0.128 χ^2/NDF:36.3/23

All: 0.037+/-0.090 χ^2/NDF: 61.3/44

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: 693.953+/-0.237 χ^2/NDF:291281.9/5

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: 670.349+/-0.164 χ^2/NDF: 664697.8/10

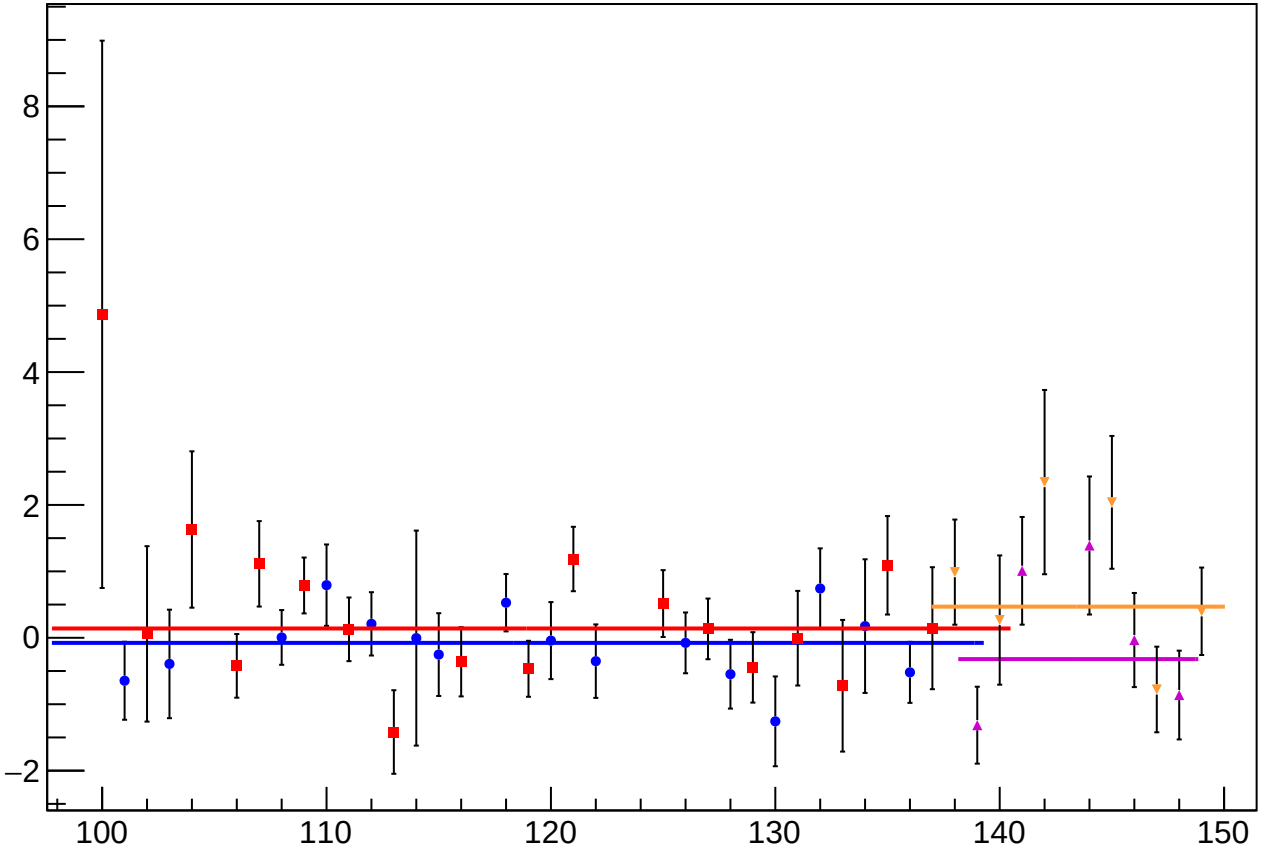
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 402.688+/-0.091 χ^2/NDF:2529035.6/20

Out: 389.869+/-0.090 χ^2/NDF:3416879.6/23

All: 396.243+/-0.064 χ^2/NDF: 5955953.3/44

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: 0.469+/-0.335 χ^2/NDF:8.5/5

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: 0.058+/-0.232 χ^2/NDF: 20.6/10

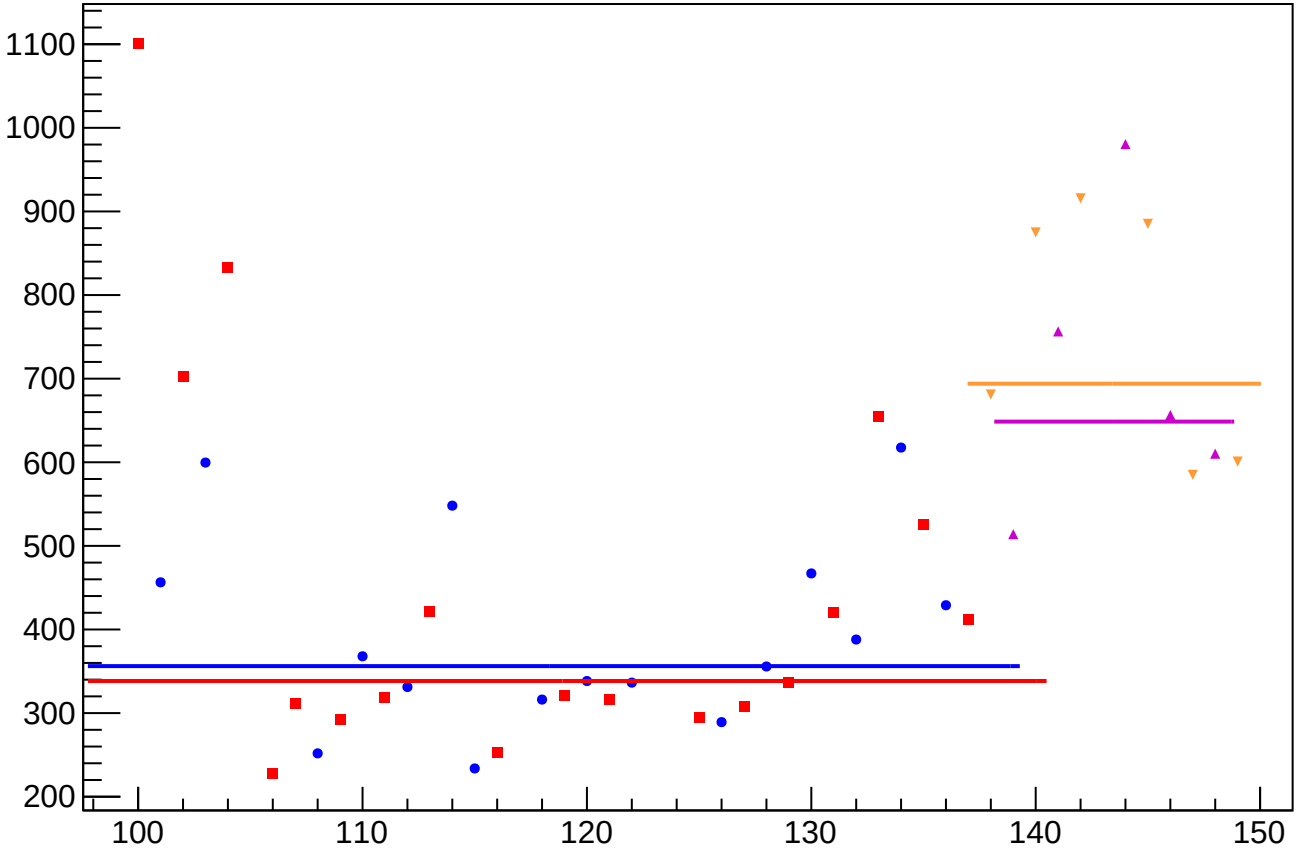
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.115+/-0.128 χ^2/NDF:22.2/20

Out: 0.188+/-0.128 χ^2/NDF:36.3/23

All: 0.037+/-0.090 χ^2/NDF: 61.3/44

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: 693.953+/-0.237 χ^2/NDF:291281.9/5

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: 670.349+/-0.164 χ^2/NDF: 664697.8/10

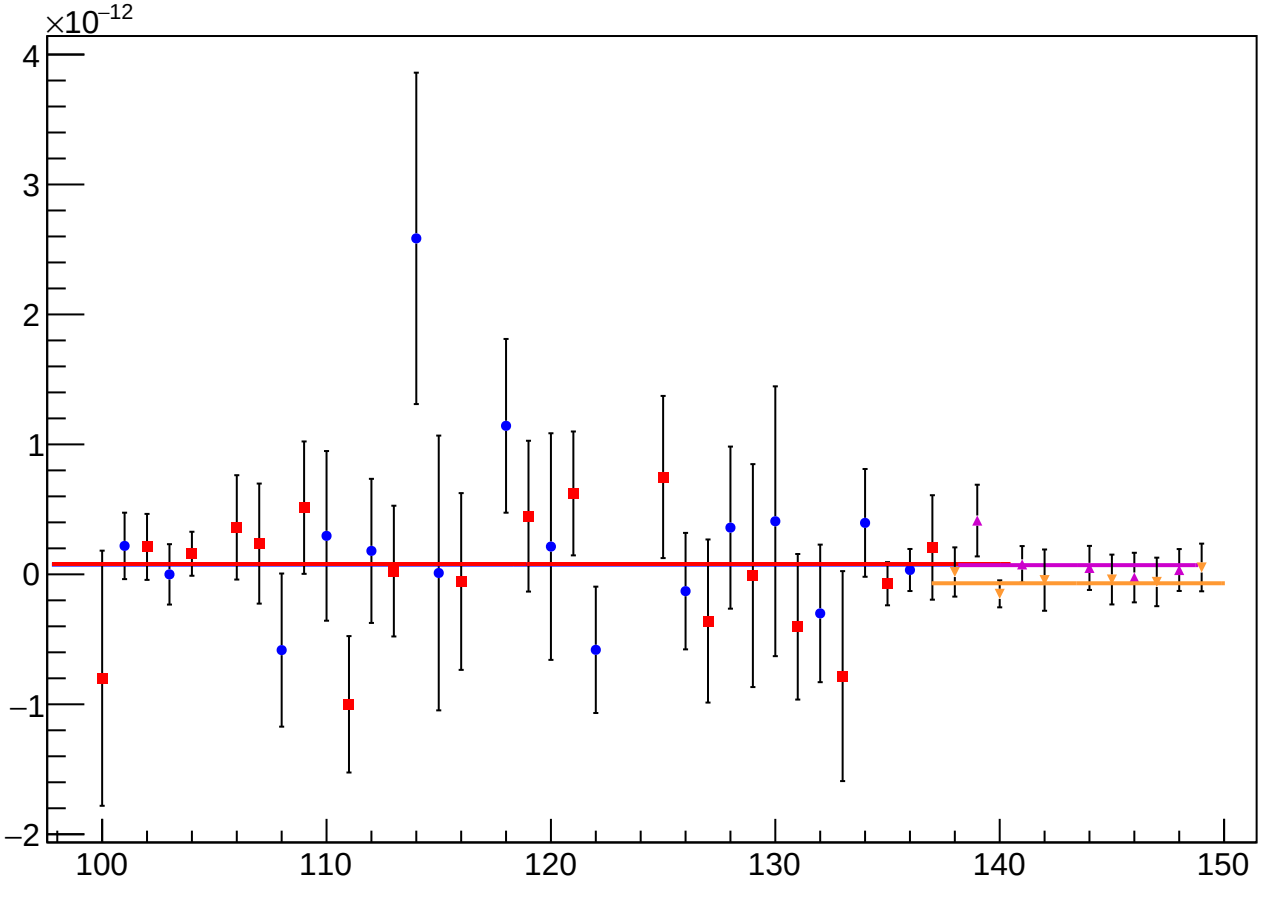
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 402.688+/-0.091 χ^2/NDF:2529035.6/20

Out: 389.869+/-0.090 χ^2/NDF:3416879.6/23

All: 396.243+/-0.064 χ^2/NDF: 5955953.3/44

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

Left: -0.000+/-0.000 χ^2/NDF: 5.0/10

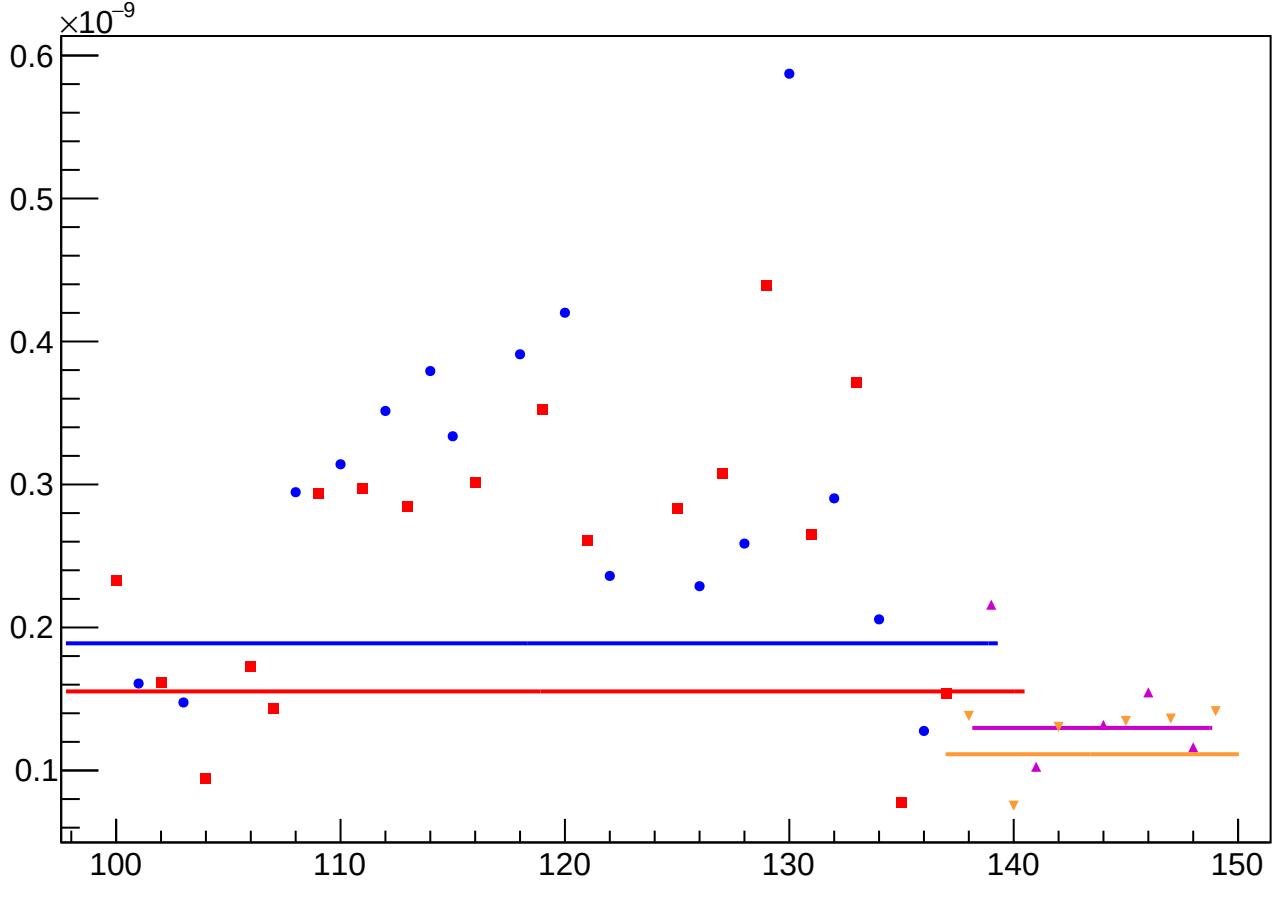
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:13.7/20

Out: -0.000+/-0.000 χ^2/NDF:16.2/23

All: 0.000+/-0.000 χ^2/NDF: 31.0/44

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:412036.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:318056.7/4

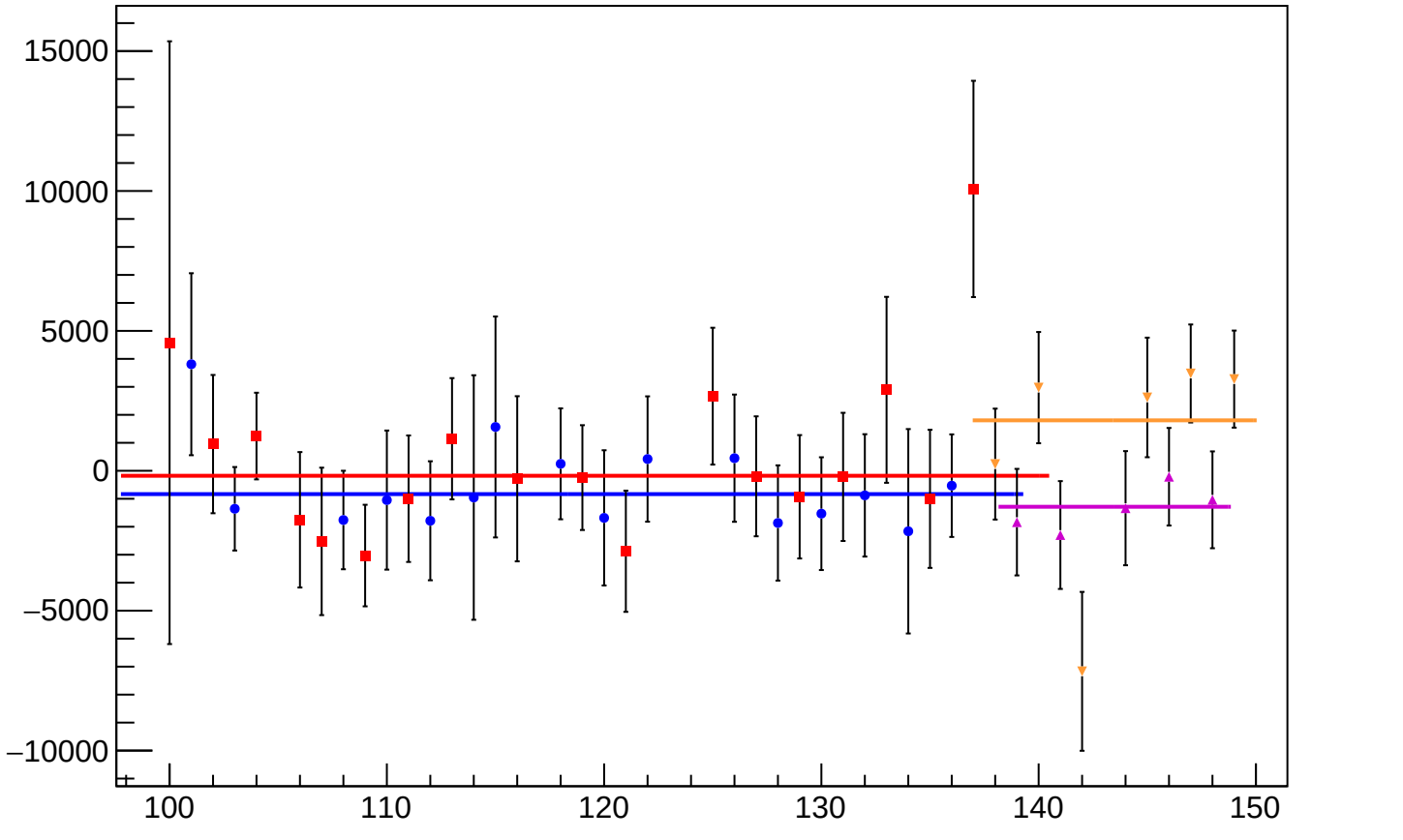
Left: 0.000+/-0.000 χ^2/NDF: 794320.2/10

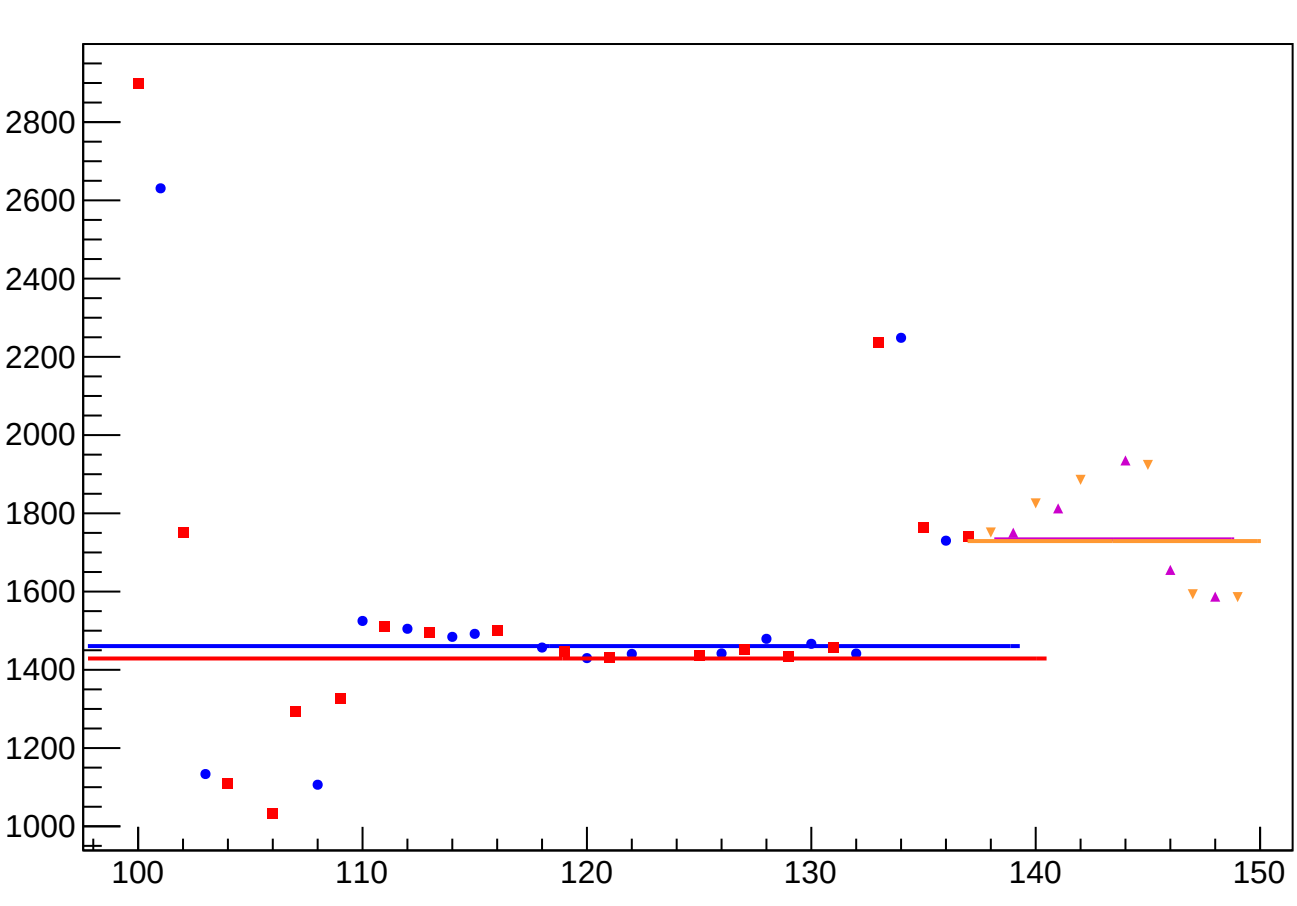
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2293954.3/20

Out: 0.000+/-0.000 χ^2/NDF:2940780.5/23

All: 0.000+/-0.000 χ^2/NDF: 5431173.9/44


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: 1802.779+/-814.089 χ²/NDF:12.7/5
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1286.075+/-830.917 χ²/NDF:0.8/4
Left: 289.946+/-581.506 χ²/NDF: 20.5/10
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -973.049+/-461.421 χ²/NDF:5.6/20
Out: 439.186+/-454.499 χ²/NDF:33.3/23
All: -256.259+/-323.799 χ²/NDF: 43.6/44



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1729.094+/-0.576 χ^2/NDF:53309.5/5

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: 1731.230+/-0.411 χ^2/NDF: 94766.0/10

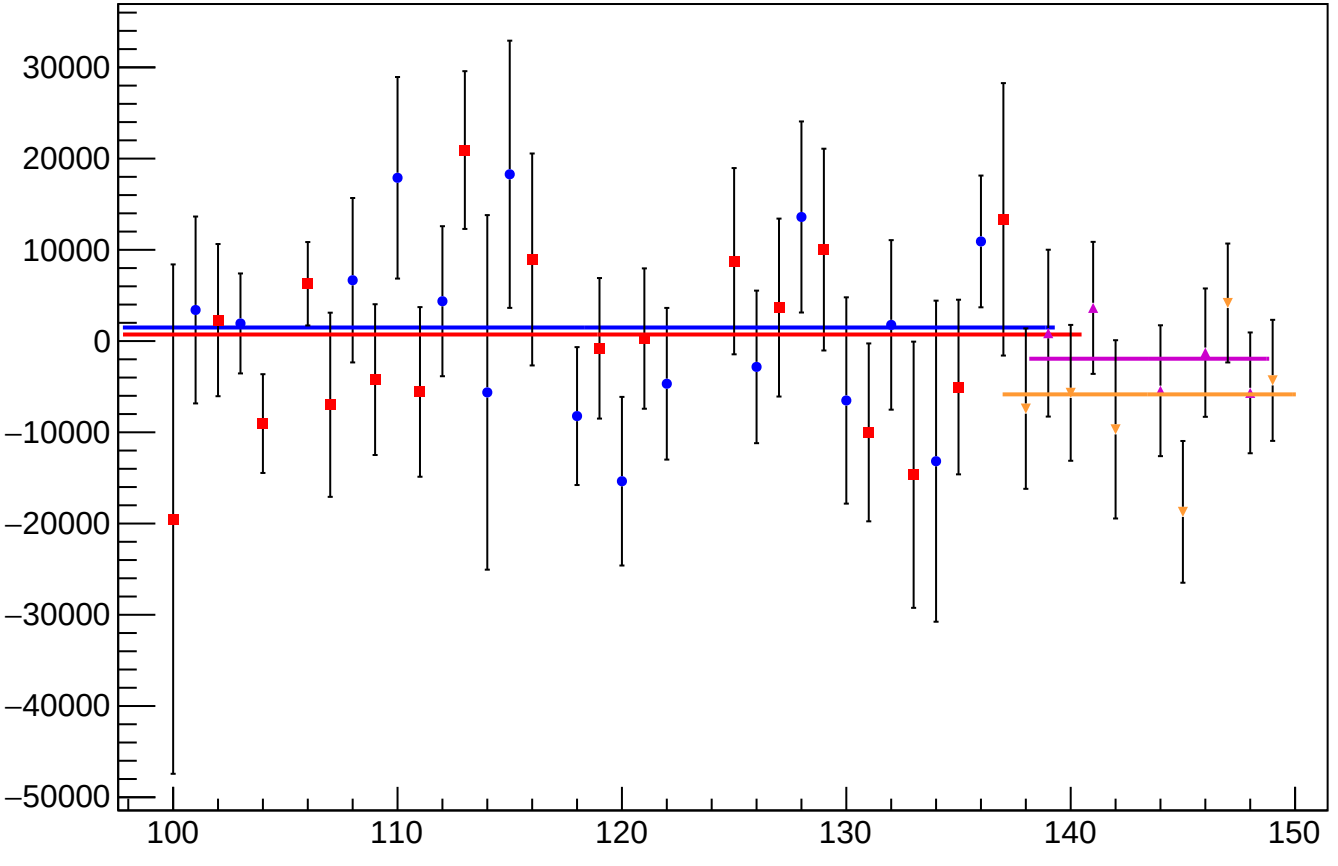
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1544.779+/-0.326 χ^2/NDF:766265.3/20

Out: 1521.544+/-0.320 χ^2/NDF:652584.0/23

All: 1532.926+/-0.228 χ^2/NDF: 1421436.2/44

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: -5842.006+/-3096.496 χ^2/NDF:5.3/5

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: -3995.208+/-2248.345 χ^2/NDF: 7.4/10

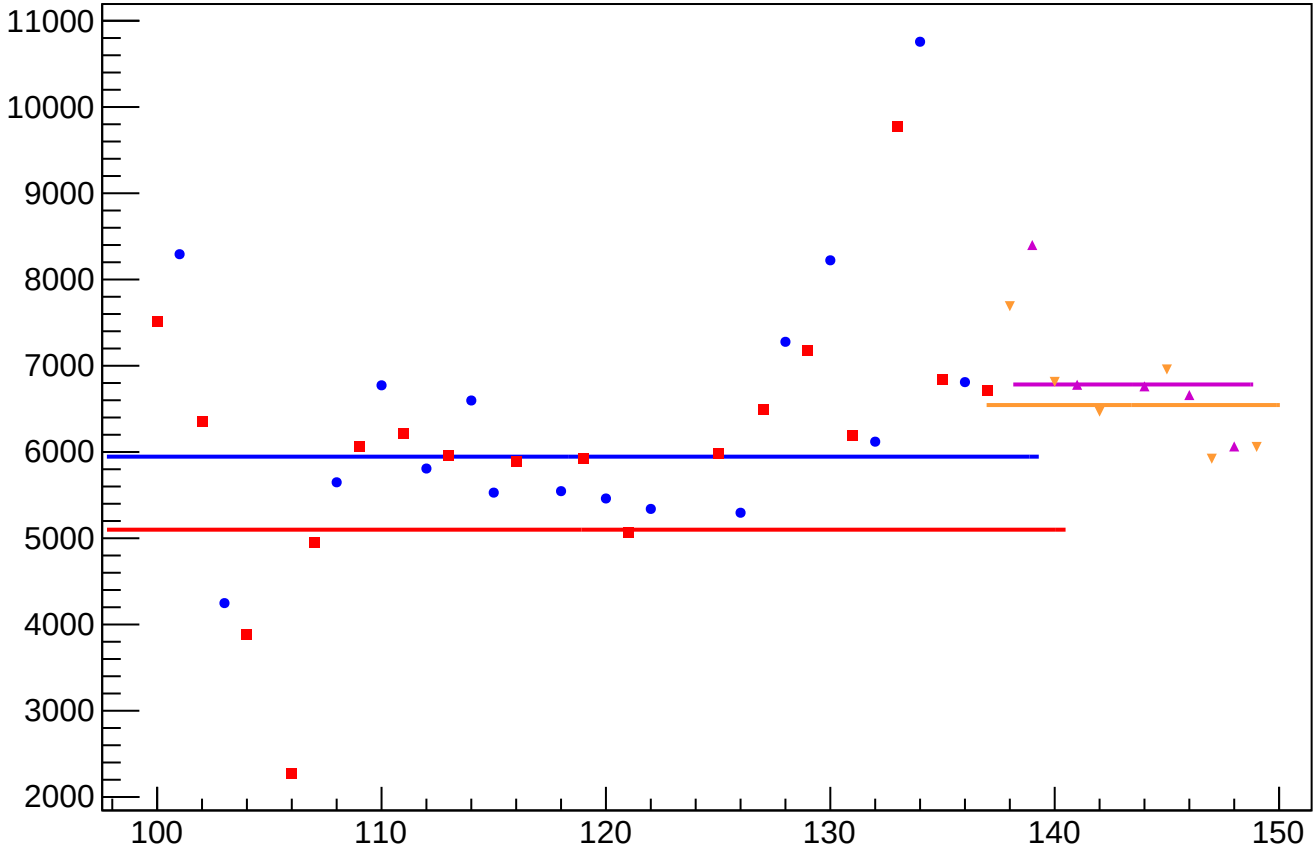
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 375.468+/-1863.614 χ^2/NDF:16.2/20

Out: -1227.295+/-1686.868 χ^2/NDF:26.0/23

All: -505.503+/-1250.625 χ^2/NDF: 42.6/44

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6544.488+/-2.190 χ^2/NDF:71293.9/5

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6782.990+/-2.312 χ^2/NDF:86722.1/4

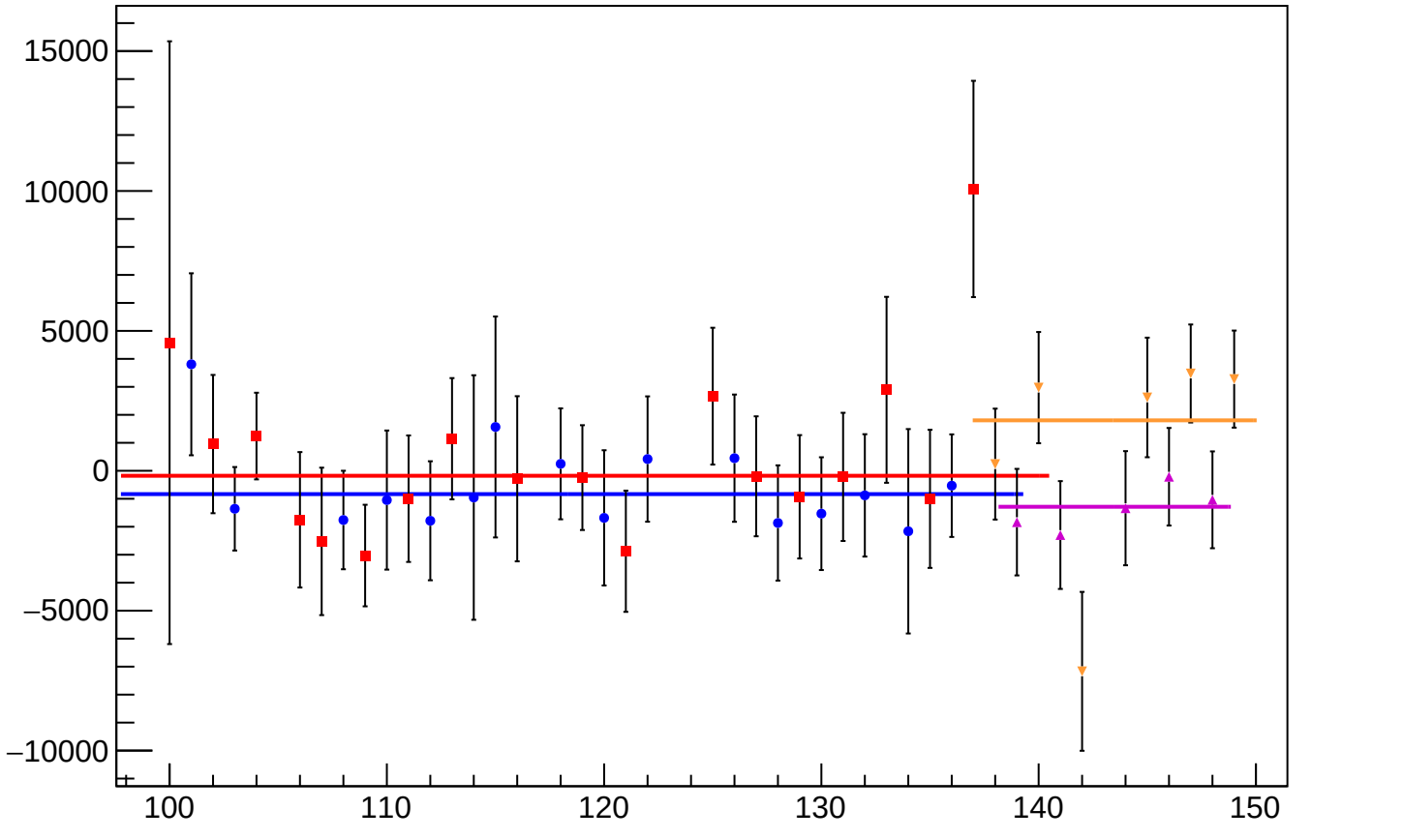
Left: 6657.249+/-1.590 χ^2/NDF: 163625.7/10

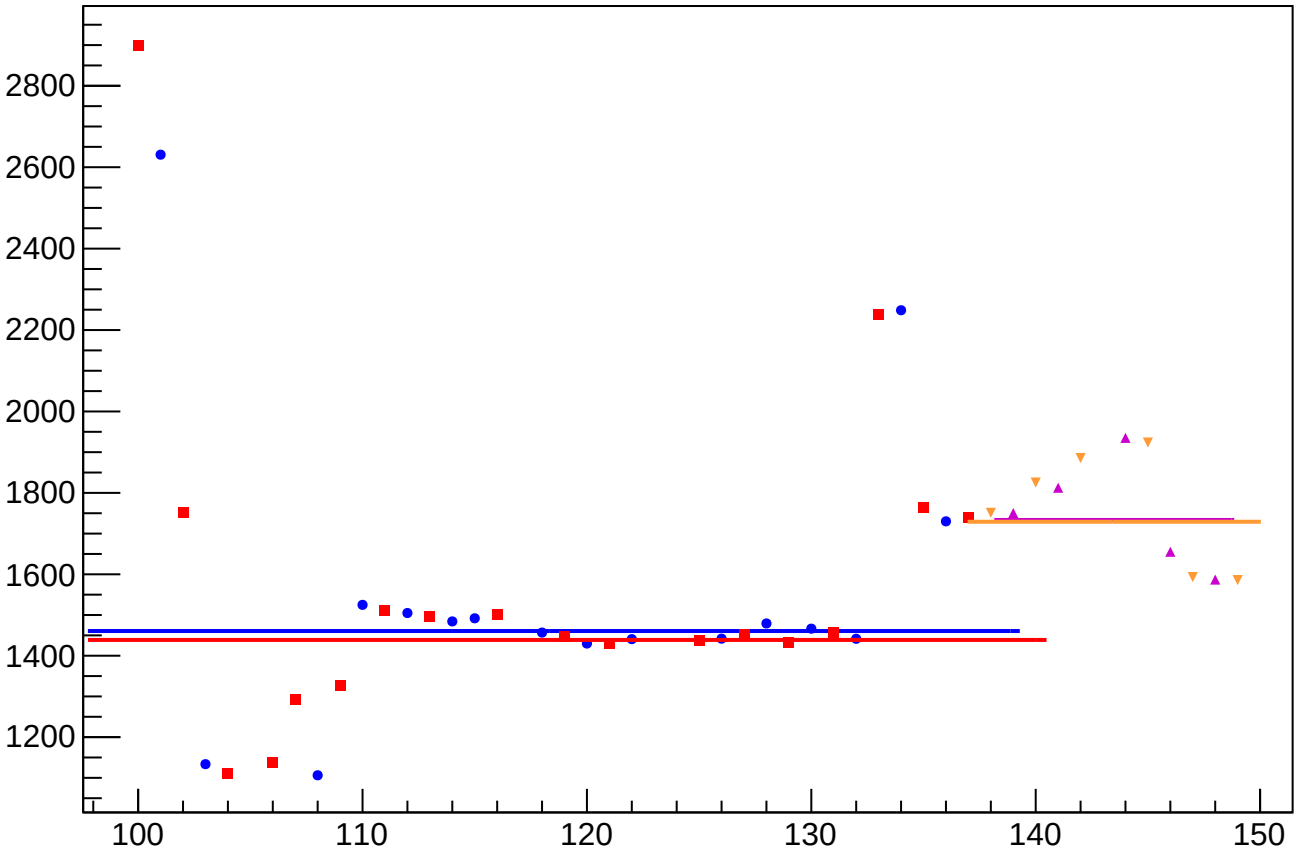
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6217.931+/-1.318 χ^2/NDF:816312.8/20

Out: 5528.242+/-1.193 χ^2/NDF:1857991.4/23

All: 5838.838+/-0.884 χ^2/NDF: 2824866.8/44


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: 1802.711+/-814.089 χ²/NDF:12.7/5
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1286.238+/-830.917 χ²/NDF:0.8/4
Left: 289.832+/-581.506 χ²/NDF: 20.5/10
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -973.142+/-461.421 χ²/NDF:5.6/20
Out: 439.275+/-454.499 χ²/NDF:33.3/23
All: -256.260+/-323.799 χ²/NDF: 43.6/44



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1729.094+/-0.576 χ^2/NDF:53309.5/5

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

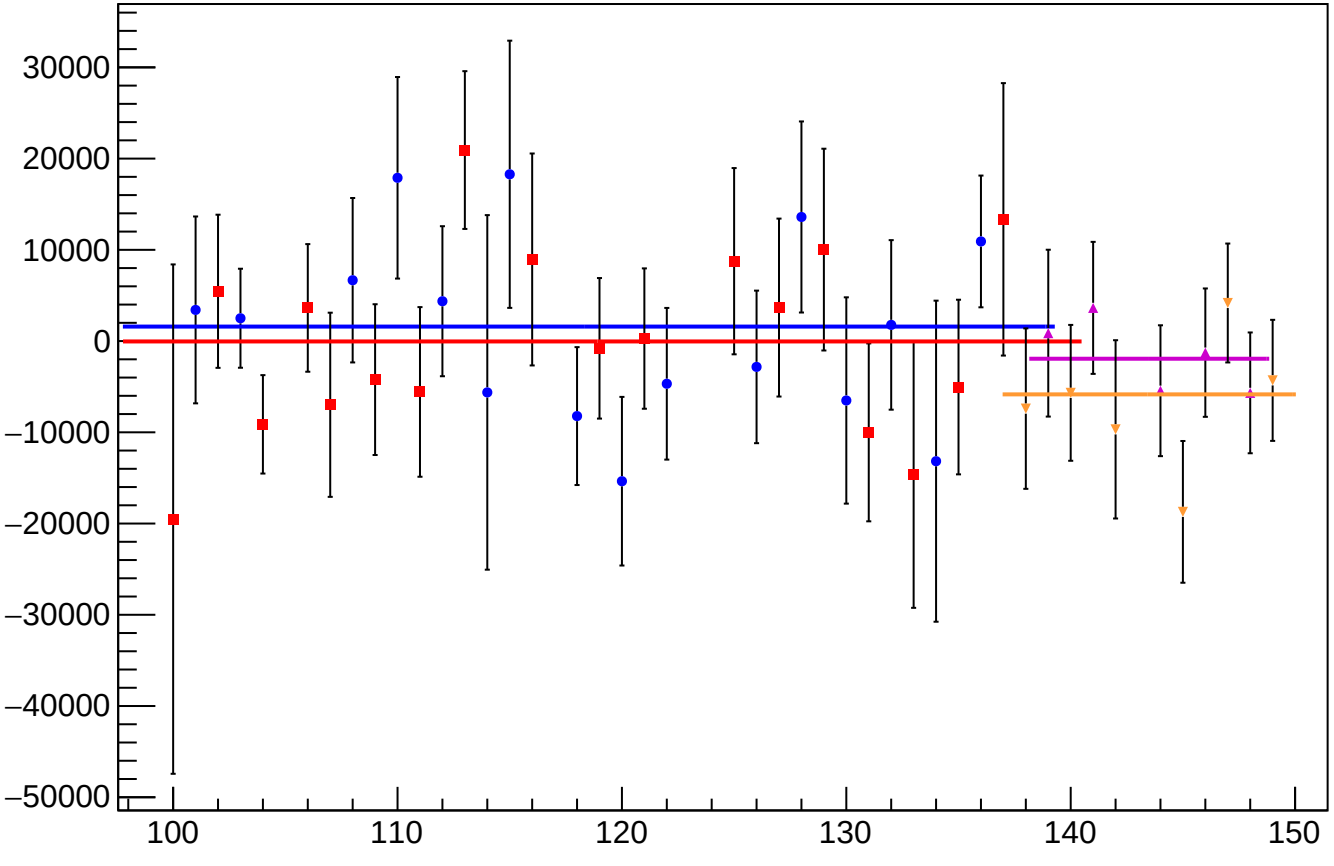
Left: 1731.230+/-0.411 χ^2/NDF: 94766.0/10

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1544.779+/-0.326 χ^2/NDF:766265.7/20

Out: 1528.972+/-0.321 χ^2/NDF:602022.4/23

All: 1536.743+/-0.229 χ^2/NDF: 1369481.2/44



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -5842.038+/-3096.492 χ^2/NDF:5.4/5

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1935.832+/-3269.860 χ^2/NDF:1.3/4

Left: -3995.229+/-2248.343 χ^2/NDF: 7.4/10

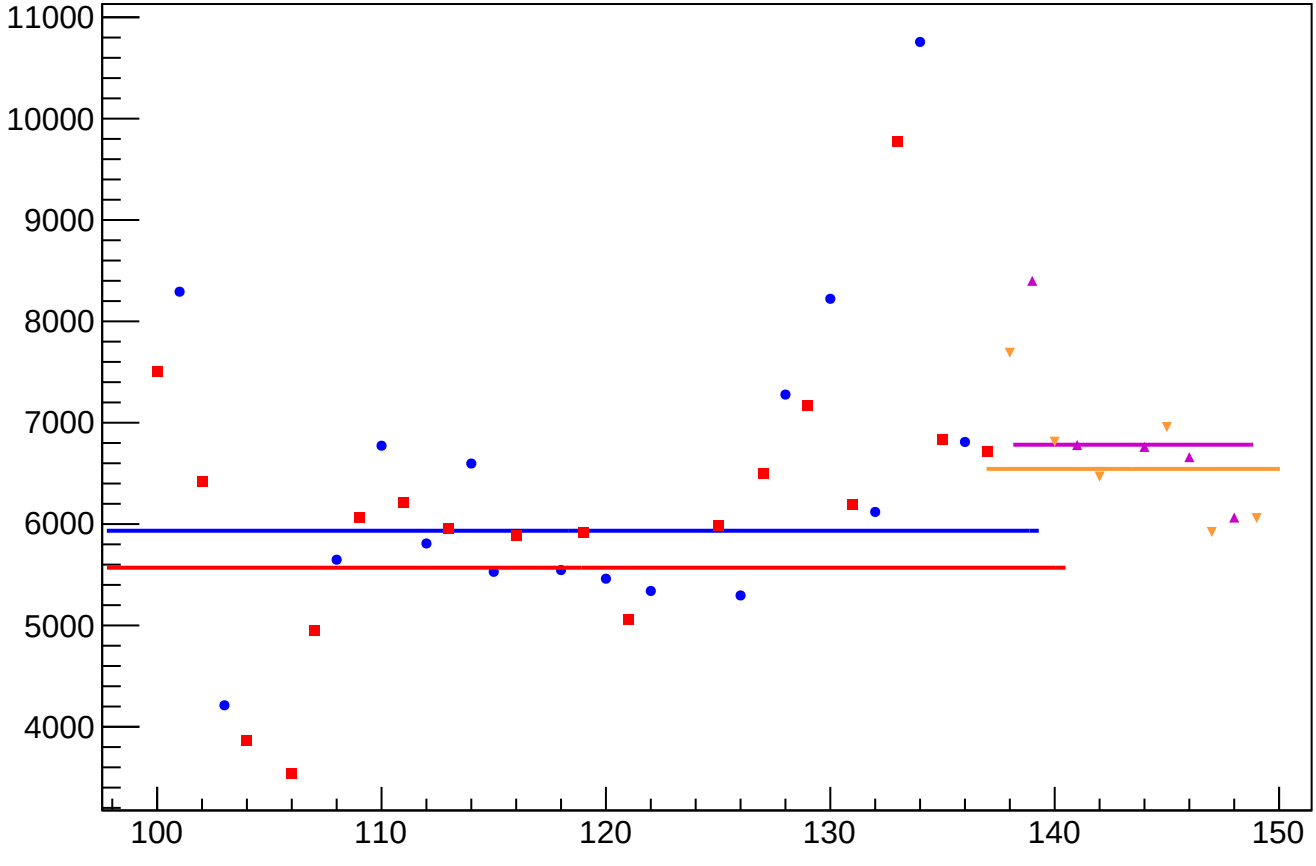
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 446.372+/-1861.521 χ^2/NDF:16.2/20

Out: -1907.617+/-1756.600 χ^2/NDF:24.2/23

All: -798.827+/-1277.586 χ^2/NDF: 41.3/44

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: 6544.481+/-2.190 χ^2/NDF:71293.2/5

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

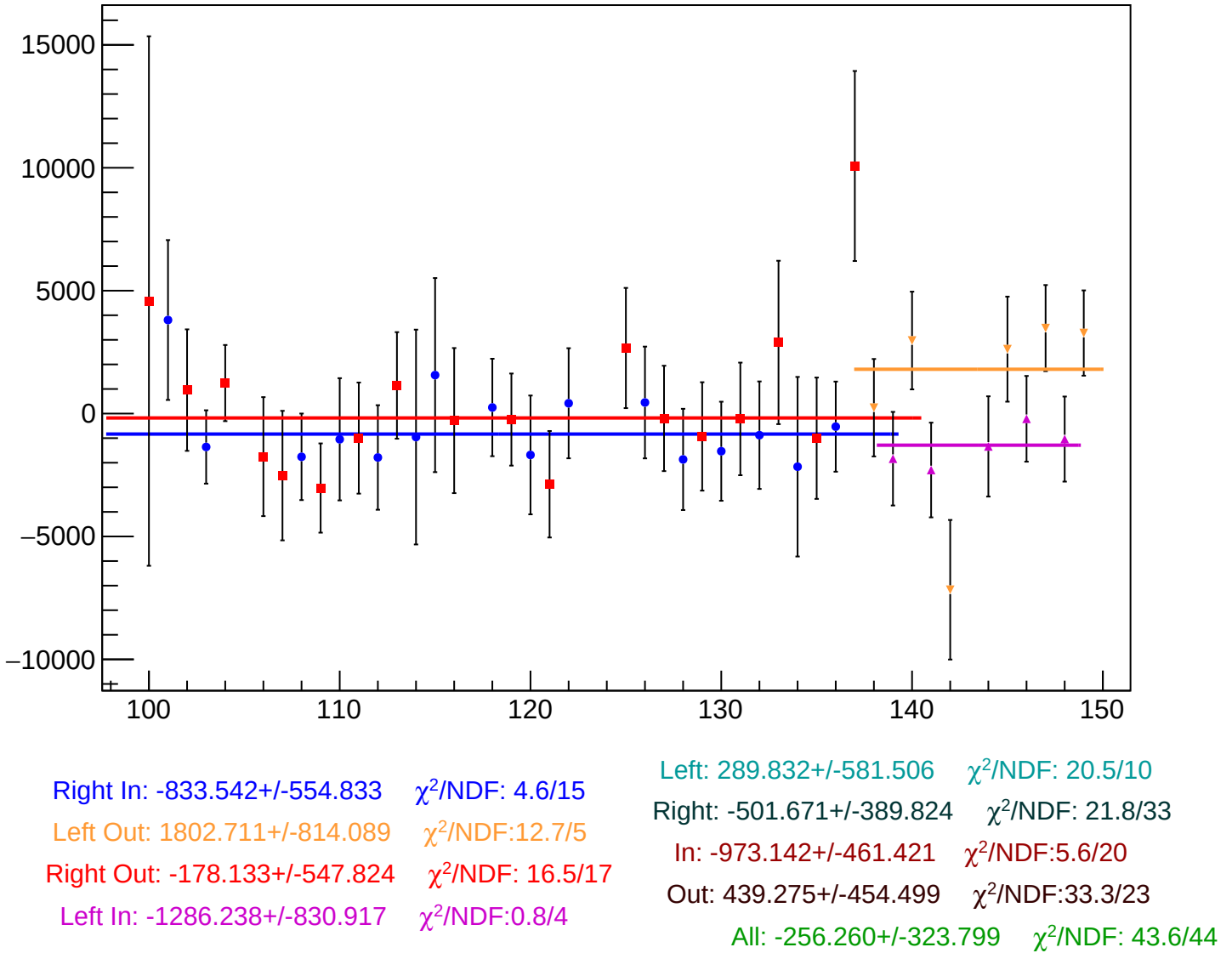
Left: 6657.242+/-1.590 χ^2/NDF: 163625.1/10

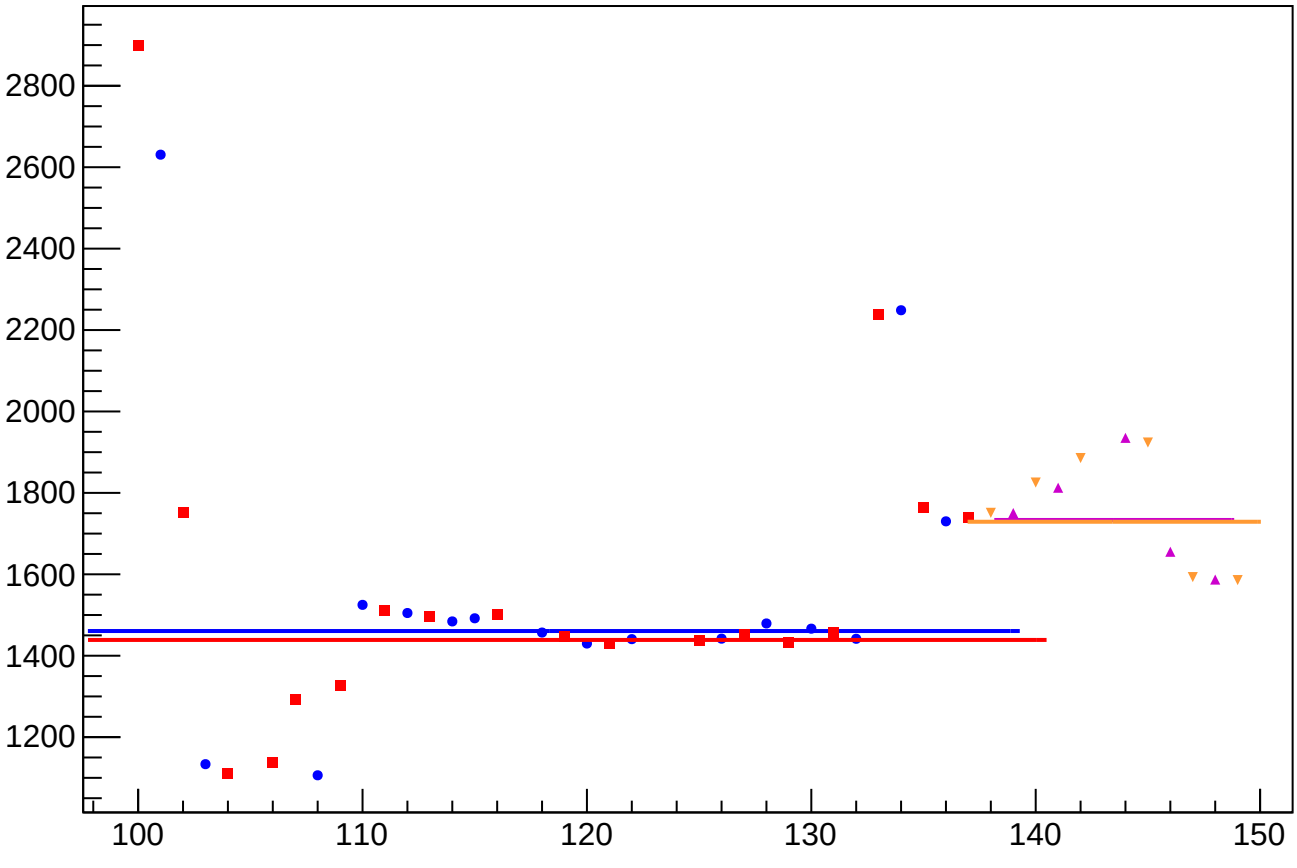
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6209.296+/-1.316 χ^2/NDF:830888.6/20

Out: 5883.335+/-1.242 χ^2/NDF:929784.3/23

All: 6036.871+/-0.903 χ^2/NDF: 1793111.3/44


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: 1802.711+/-814.089 χ²/NDF:12.7/5
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1286.238+/-830.917 χ²/NDF:0.8/4
Left: 289.832+/-581.506 χ²/NDF: 20.5/10
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -973.142+/-461.421 χ²/NDF:5.6/20
Out: 439.275+/-454.499 χ²/NDF:33.3/23
All: -256.260+/-323.799 χ²/NDF: 43.6/44



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1729.094+/-0.576 χ^2/NDF:53309.5/5

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1733.455+/-0.588 χ^2/NDF:41428.4/4

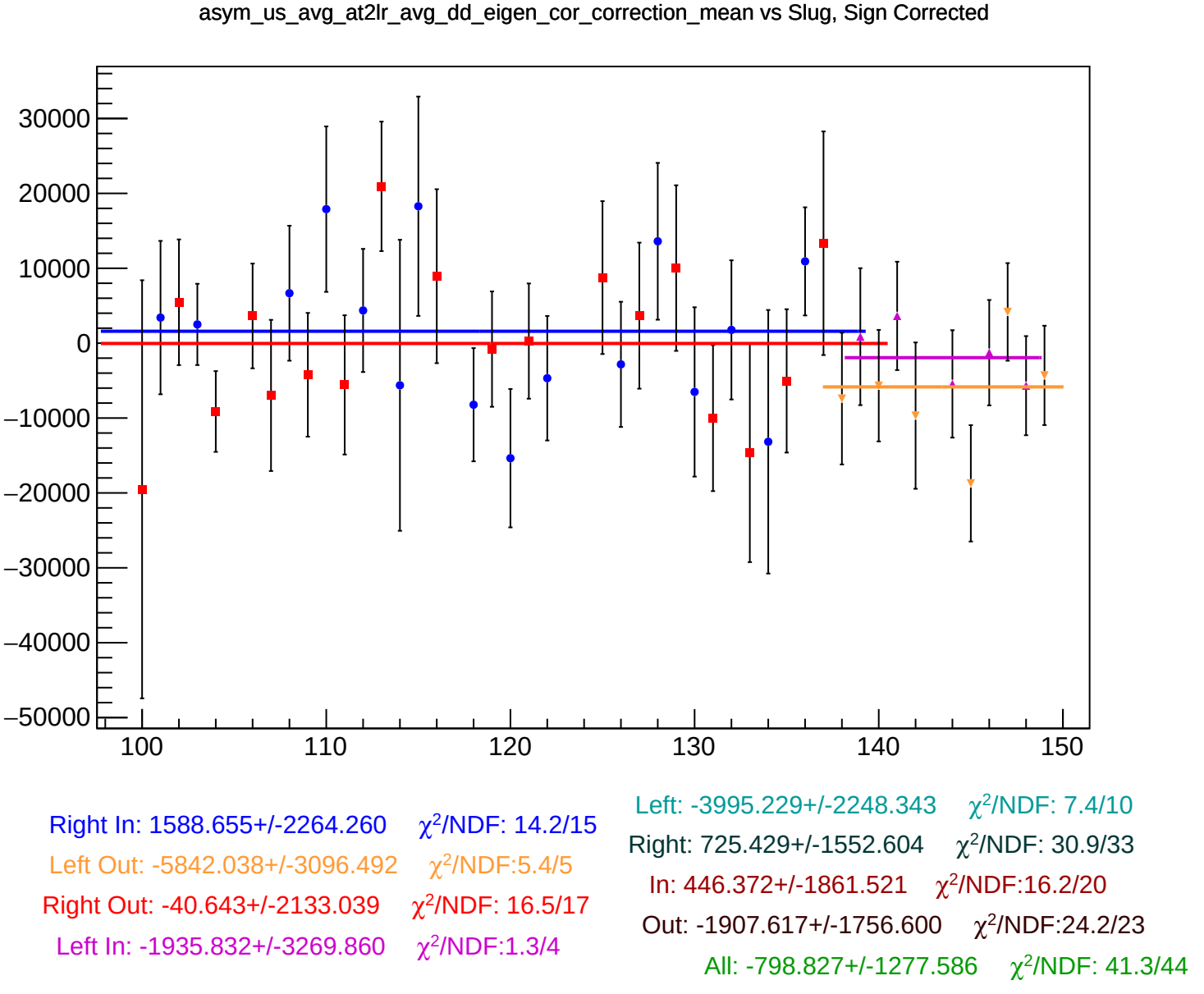
Left: 1731.230+/-0.411 χ^2/NDF: 94766.0/10

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

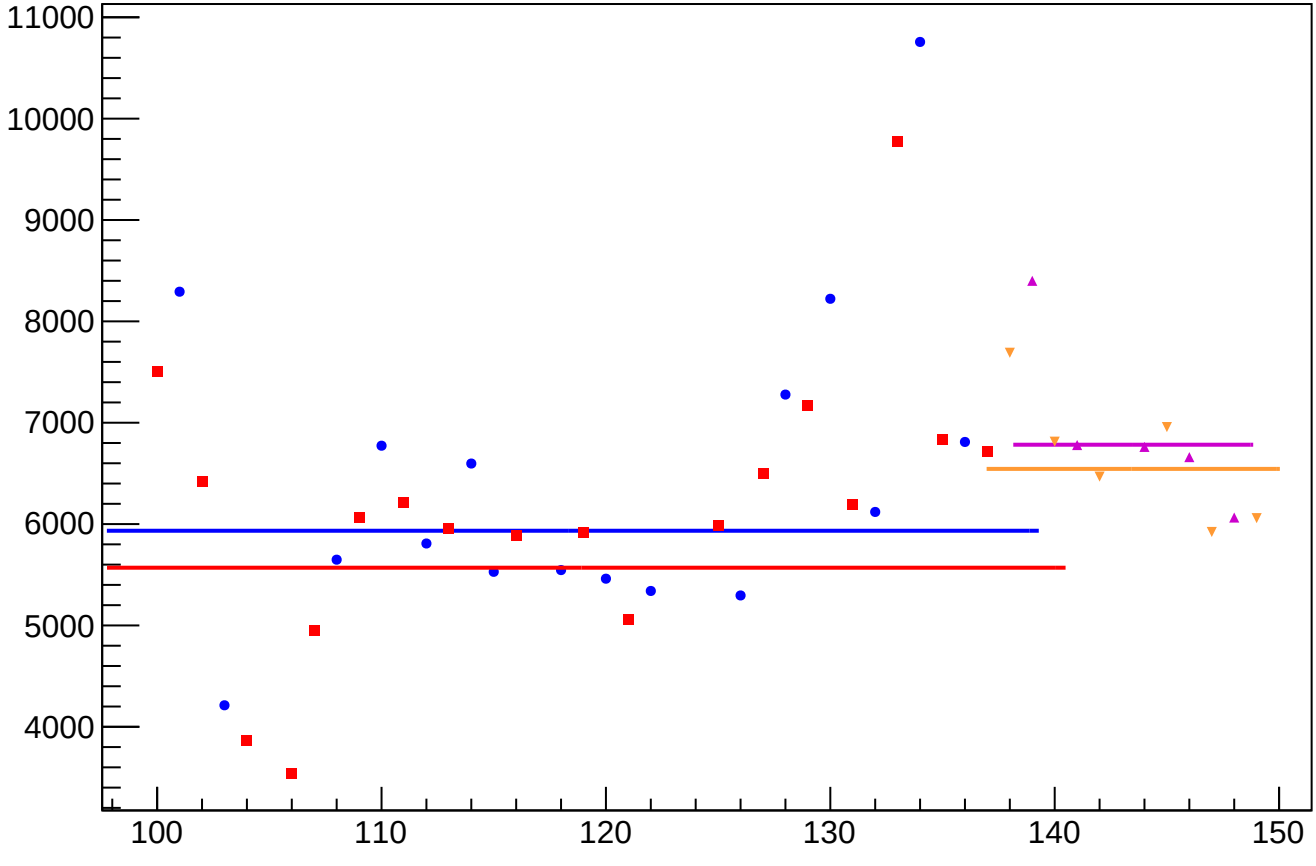
In: 1544.779+/-0.326 χ^2/NDF:766265.7/20

Out: 1528.972+/-0.321 χ^2/NDF:602022.4/23

All: 1536.743+/-0.229 χ^2/NDF: 1369481.2/44


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: -5842.038+/-3096.492 χ²/NDF:5.4/5
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1935.832+/-3269.860 χ²/NDF:1.3/4
Left: -3995.229+/-2248.343 χ²/NDF: 7.4/10
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 446.372+/-1861.521 χ²/NDF:16.2/20
Out: -1907.617+/-1756.600 χ²/NDF:24.2/23
All: -798.827+/-1277.586 χ²/NDF: 41.3/44

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: 6544.481+/-2.190 χ^2/NDF:71293.2/5

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6782.984+/-2.312 χ^2/NDF:86722.1/4

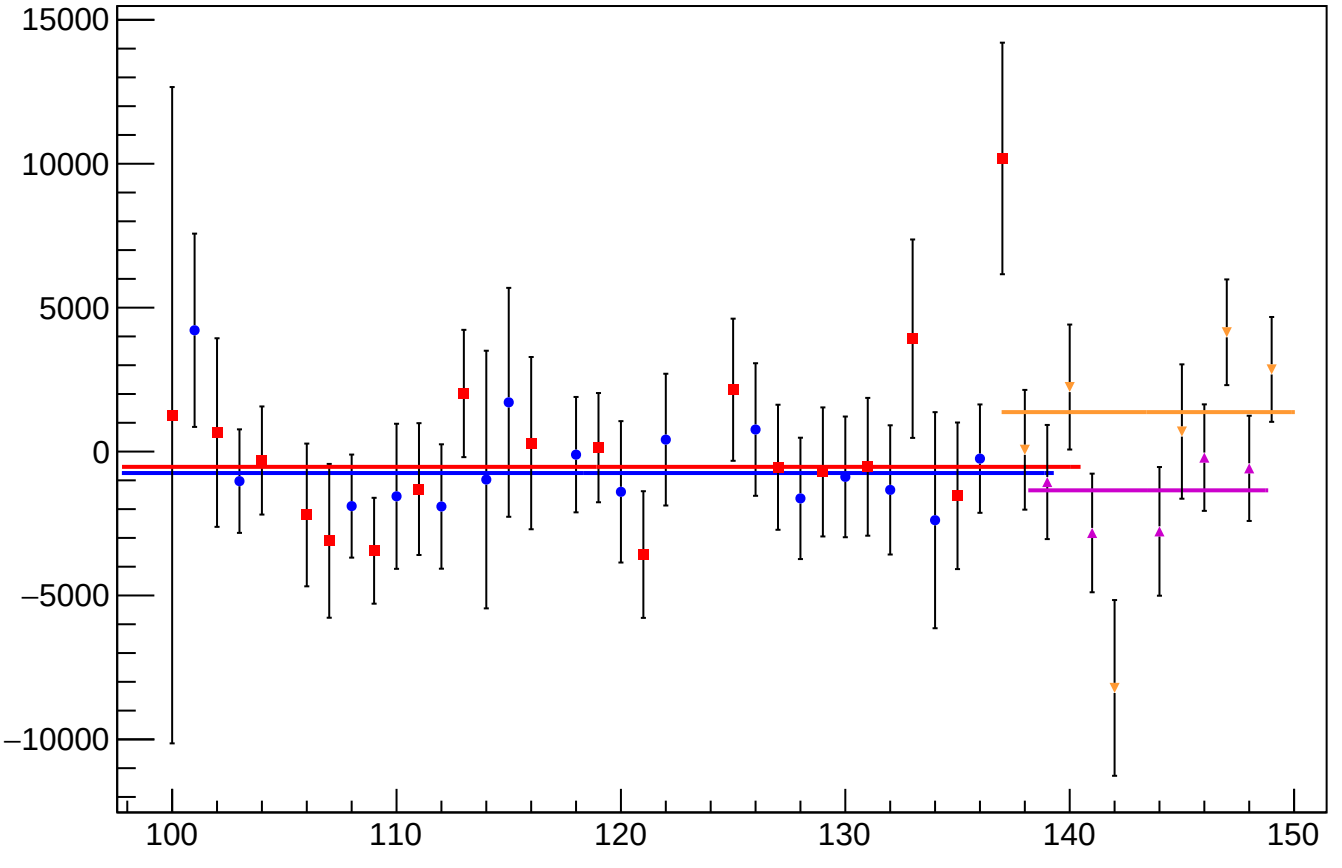
Left: 6657.242+/-1.590 χ^2/NDF: 163625.1/10

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6209.296+/-1.316 χ^2/NDF:830888.6/20

Out: 5883.335+/-1.242 χ^2/NDF:929784.3/23

All: 6036.871+/-0.903 χ^2/NDF: 1793111.3/44



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1370.821+/-866.461 χ^2/NDF:13.4/5

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1346.803+/-883.415 χ^2/NDF:1.5/4

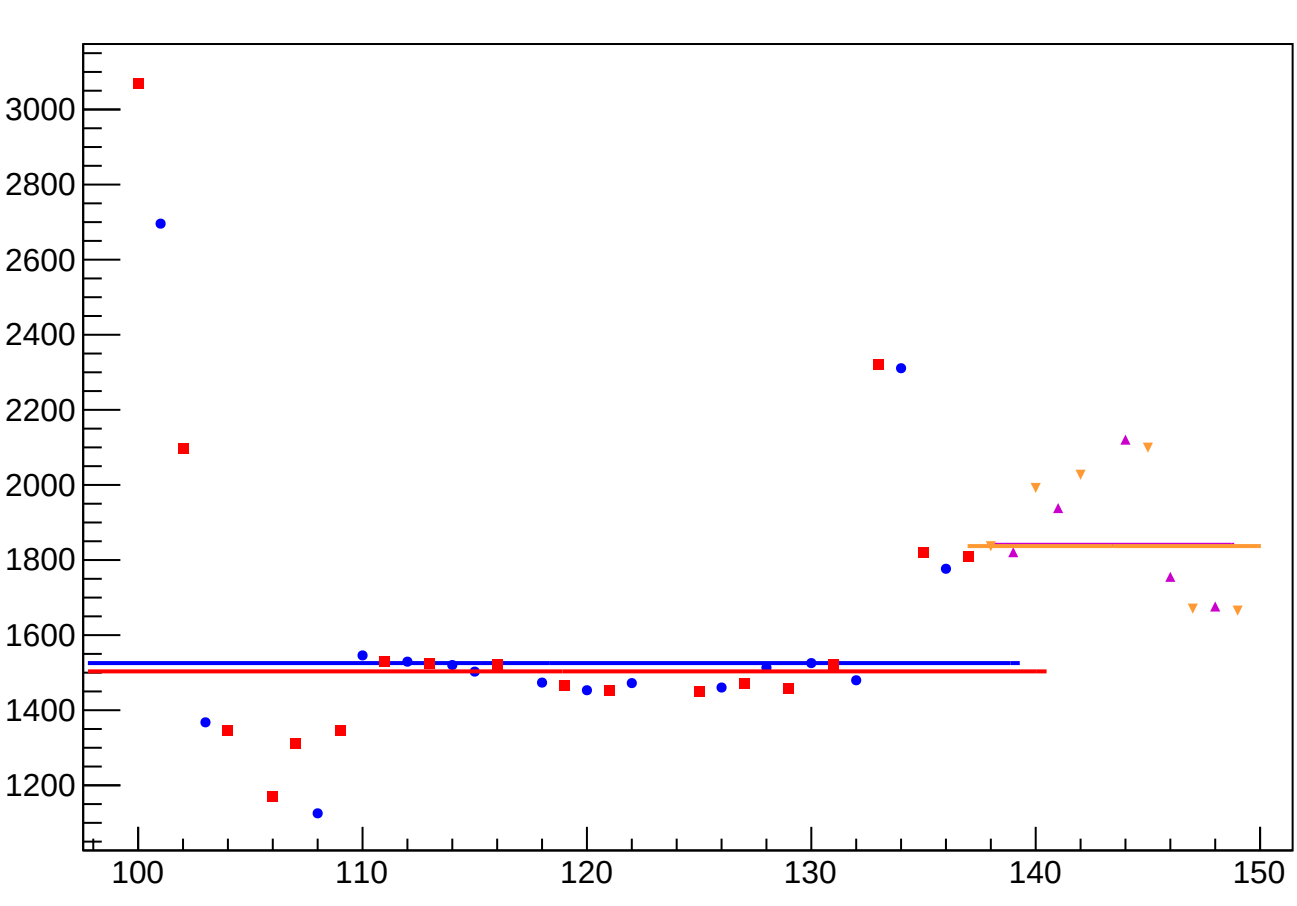
Left: 38.336+/-618.588 χ^2/NDF: 19.8/10

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -926.067+/-483.714 χ^2/NDF:6.6/20

Out: 50.428+/-479.168 χ^2/NDF:34.5/23

All: -433.210+/-340.419 χ^2/NDF: 43.1/44



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1837.185+/-0.613 χ^2/NDF:77425.2/5

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: 1838.858+/-0.437 χ^2/NDF: 133950.7/10

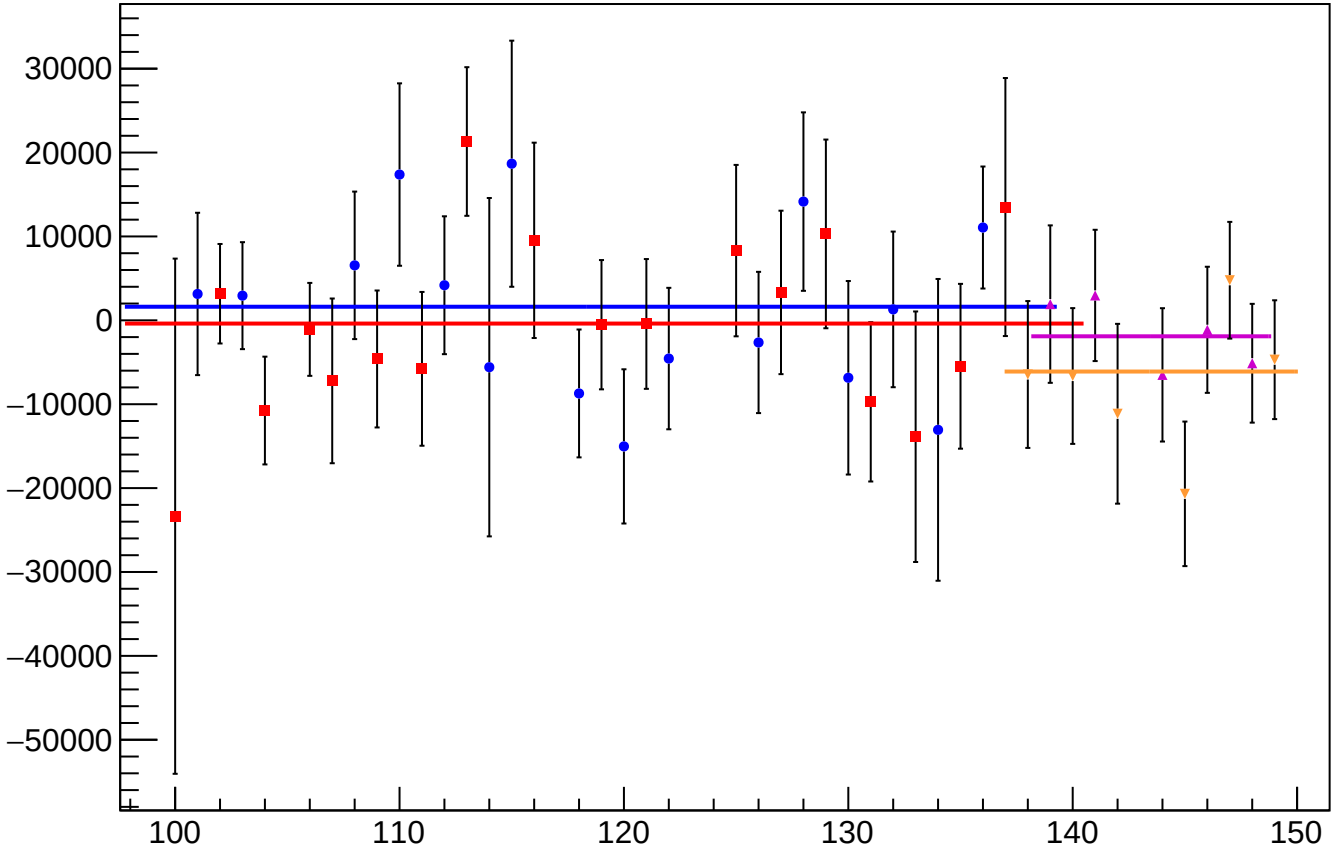
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1619.995+/-0.342 χ^2/NDF:722955.3/20

Out: 1605.464+/-0.339 χ^2/NDF:621958.1/23

All: 1612.659+/-0.241 χ^2/NDF: 1345824.5/44

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -6104.845+/-3313.275 χ^2/NDF:5.6/5

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: -4125.545+/-2409.403 χ^2/NDF: 7.4/10

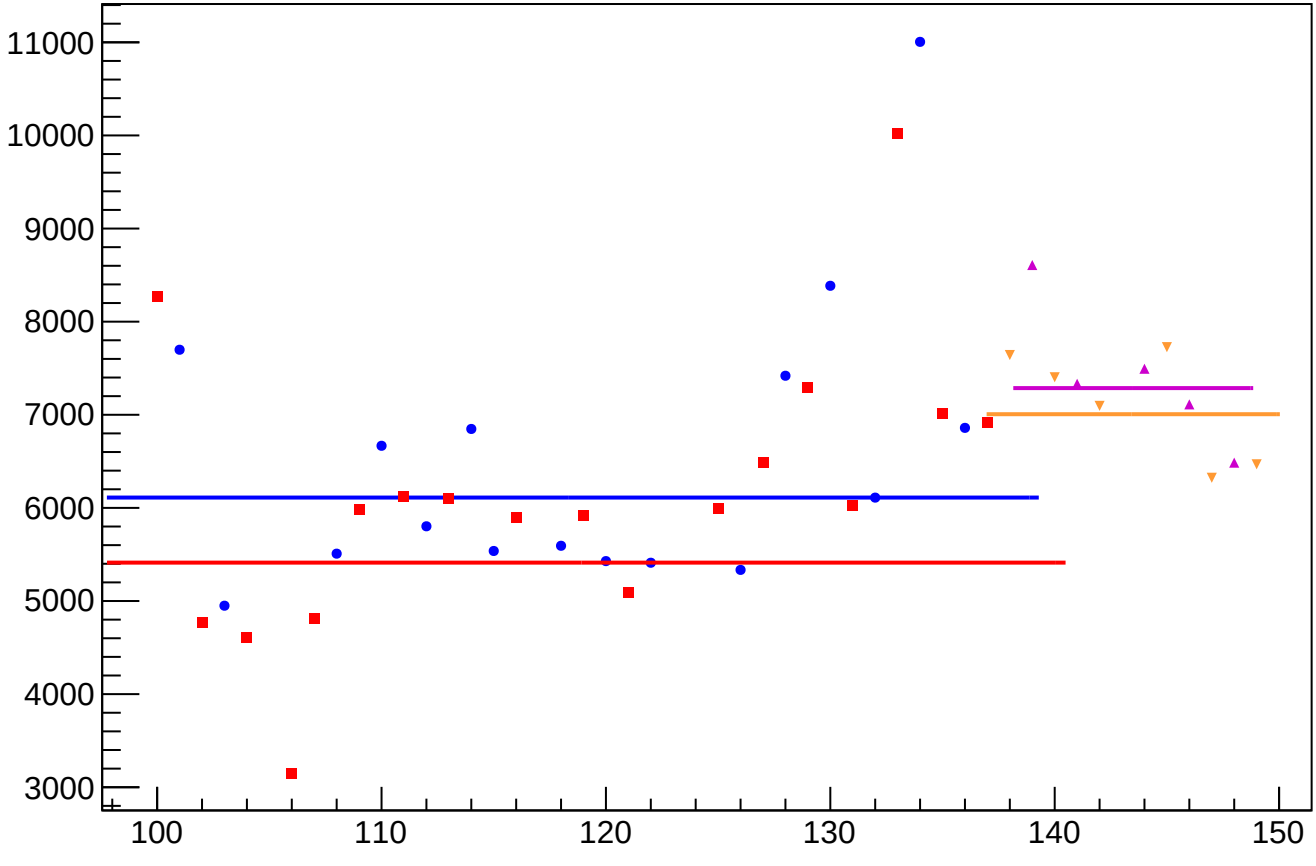
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 548.532+/-1935.459 χ^2/NDF:16.1/20

Out: -1981.294+/-1749.965 χ^2/NDF:23.7/23

All: -843.390+/-1298.050 χ^2/NDF: 40.7/44

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: 7006.172+/-2.343 χ^2/NDF:60248.1/5

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7286.528+/-2.482 χ^2/NDF:67769.9/4

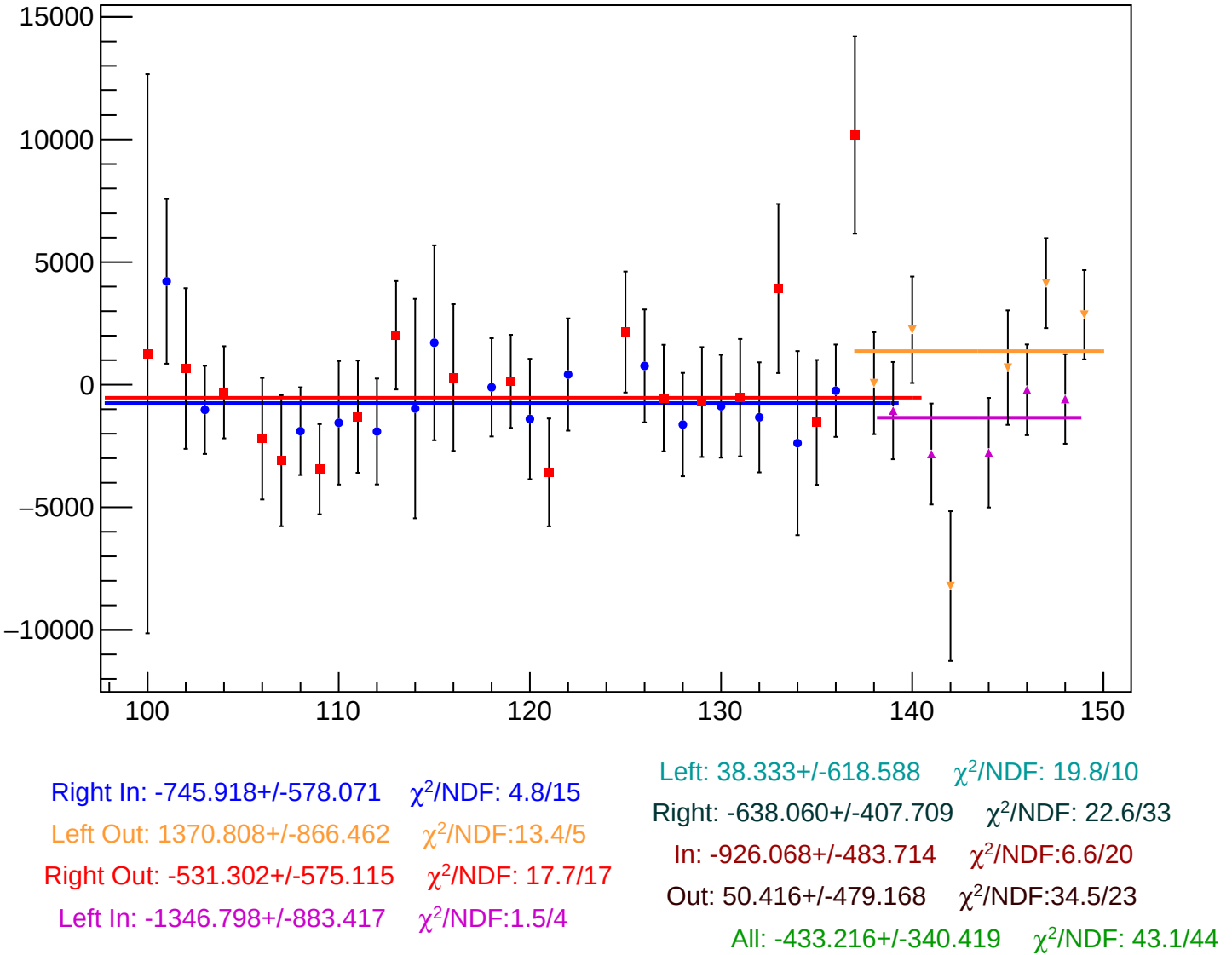
Left: 7138.271+/-1.704 χ^2/NDF: 134765.2/10

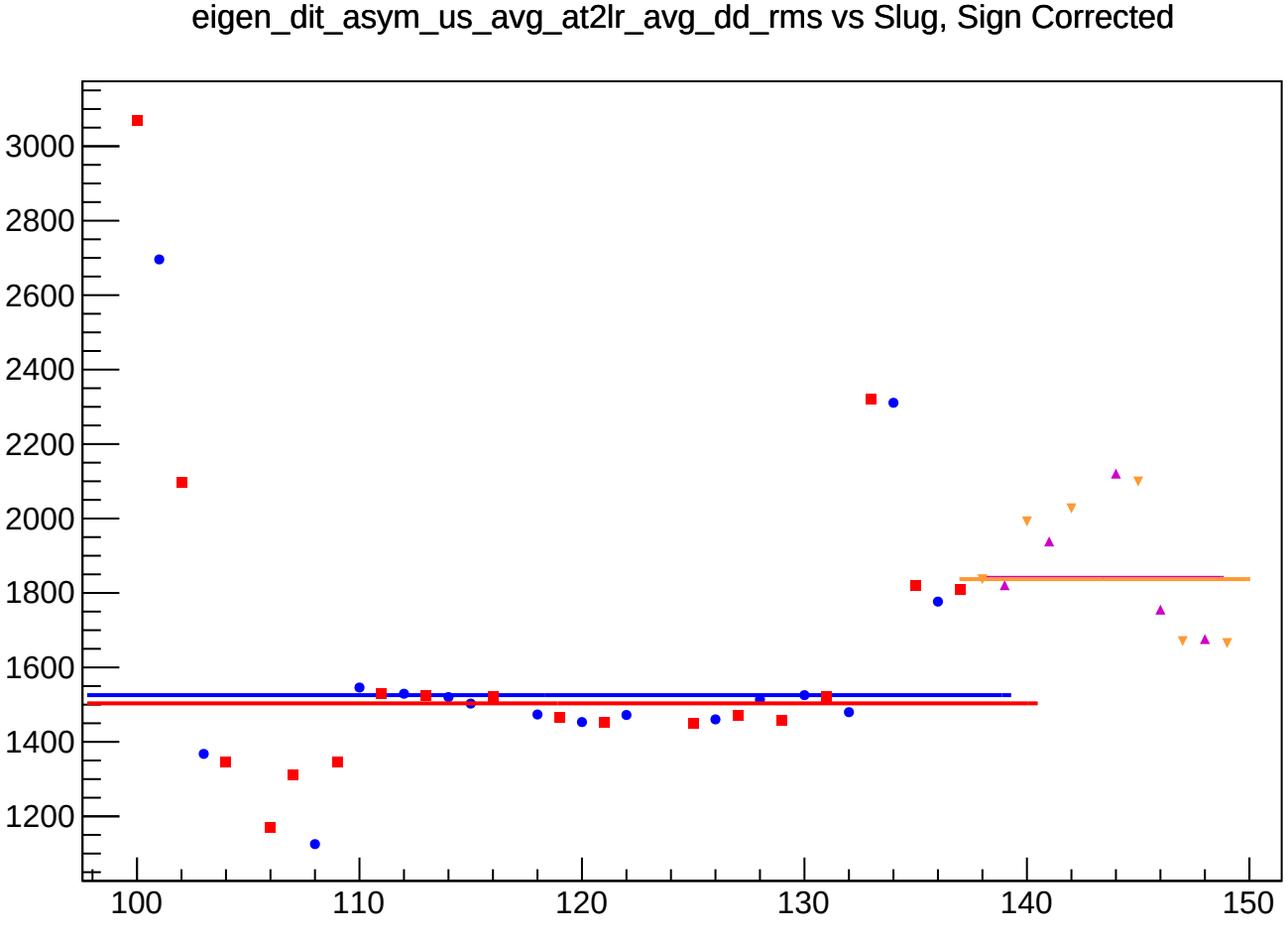
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6468.441+/-1.369 χ^2/NDF:695537.8/20

Out: 5856.911+/-1.237 χ^2/NDF:1215507.1/23

All: 6131.974+/-0.918 χ^2/NDF: 2020900.3/44


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: 1370.808+/-866.462 χ²/NDF:13.4/5
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1346.798+/-883.417 χ²/NDF:1.5/4
Left: 38.333+/-618.588 χ²/NDF: 19.8/10
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -926.068+/-483.714 χ²/NDF:6.6/20
Out: 50.416+/-479.168 χ²/NDF:34.5/23
All: -433.216+/-340.419 χ²/NDF: 43.1/44



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1837.187+/-0.613 χ^2/NDF:77426.1/5

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1840.599+/-0.625 χ^2/NDF:56510.3/4

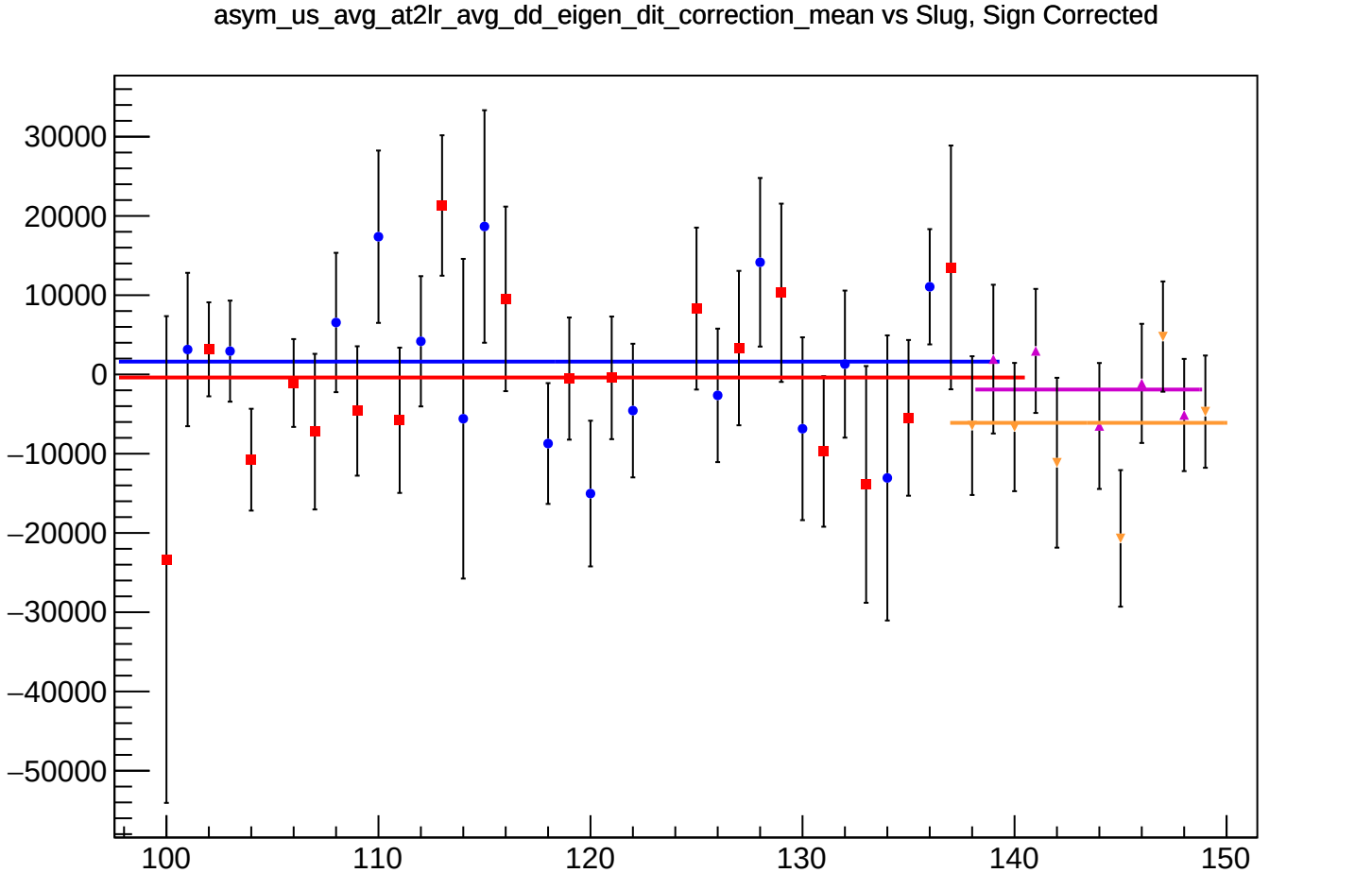
Left: 1838.860+/-0.437 χ^2/NDF: 133951.6/10

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1619.995+/-0.342 χ^2/NDF:722957.4/20

Out: 1605.464+/-0.339 χ^2/NDF:621961.1/23

All: 1612.660+/-0.241 χ^2/NDF: 1345829.6/44



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -6104.855+/-3313.280 χ^2/NDF:5.6/5

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: -4125.547+/-2409.407 χ^2/NDF: 7.4/10

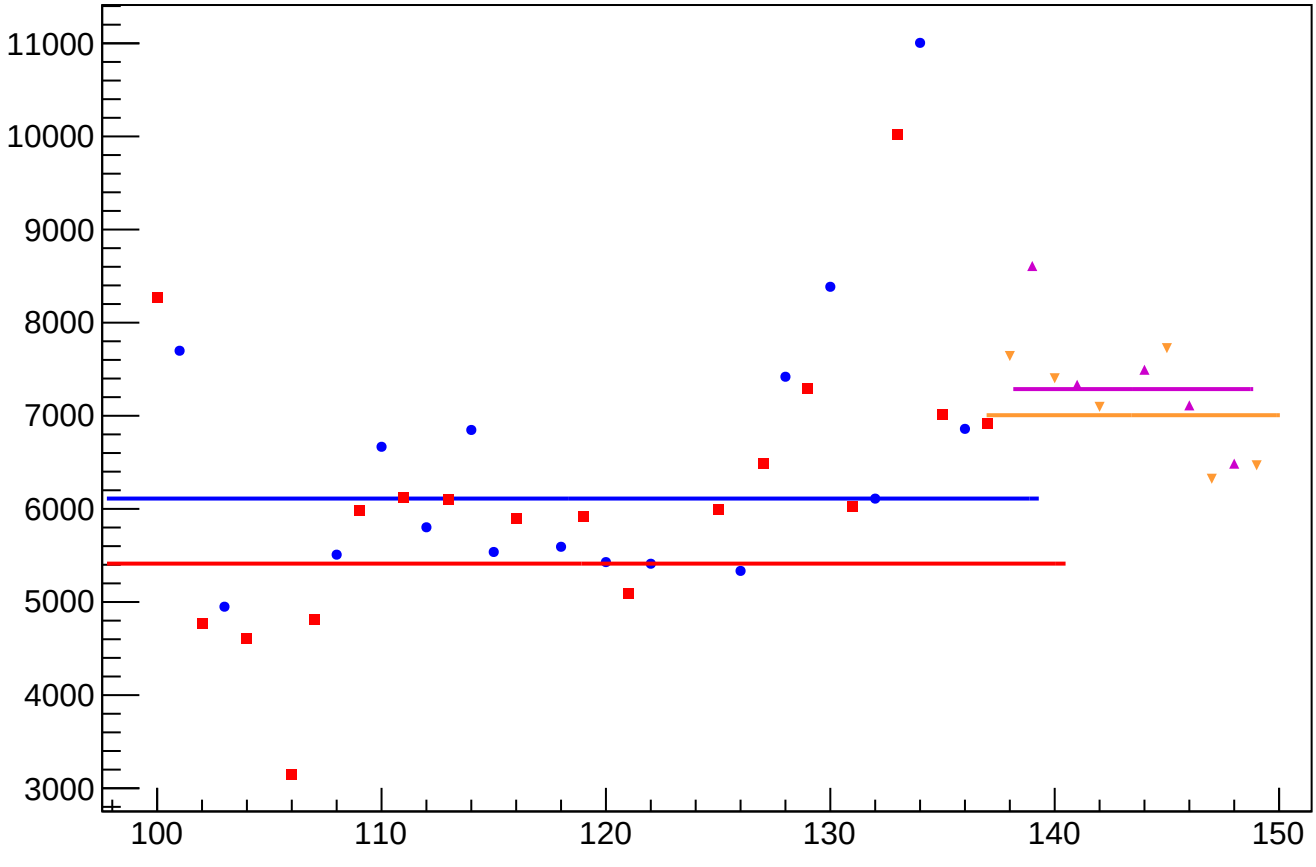
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 548.525+/-1935.457 χ^2/NDF:16.1/20

Out: -1981.293+/-1749.963 χ^2/NDF:23.7/23

All: -843.393+/-1298.049 χ^2/NDF: 40.7/44

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: 7006.181+/-2.343 χ^2/NDF:60249.0/5

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7286.537+/-2.482 χ^2/NDF:67770.8/4

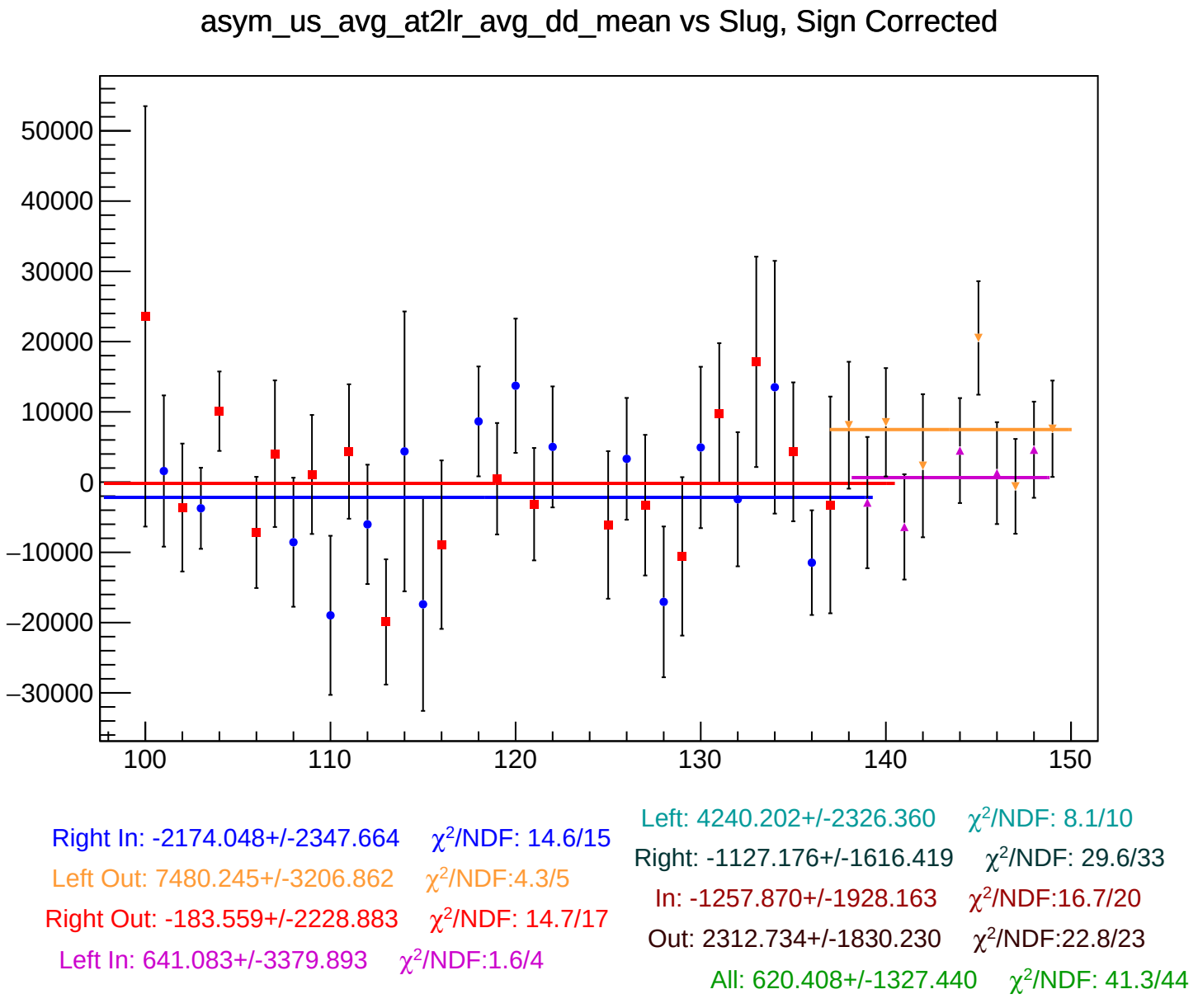
Left: 7138.281+/-1.704 χ^2/NDF: 134766.9/10

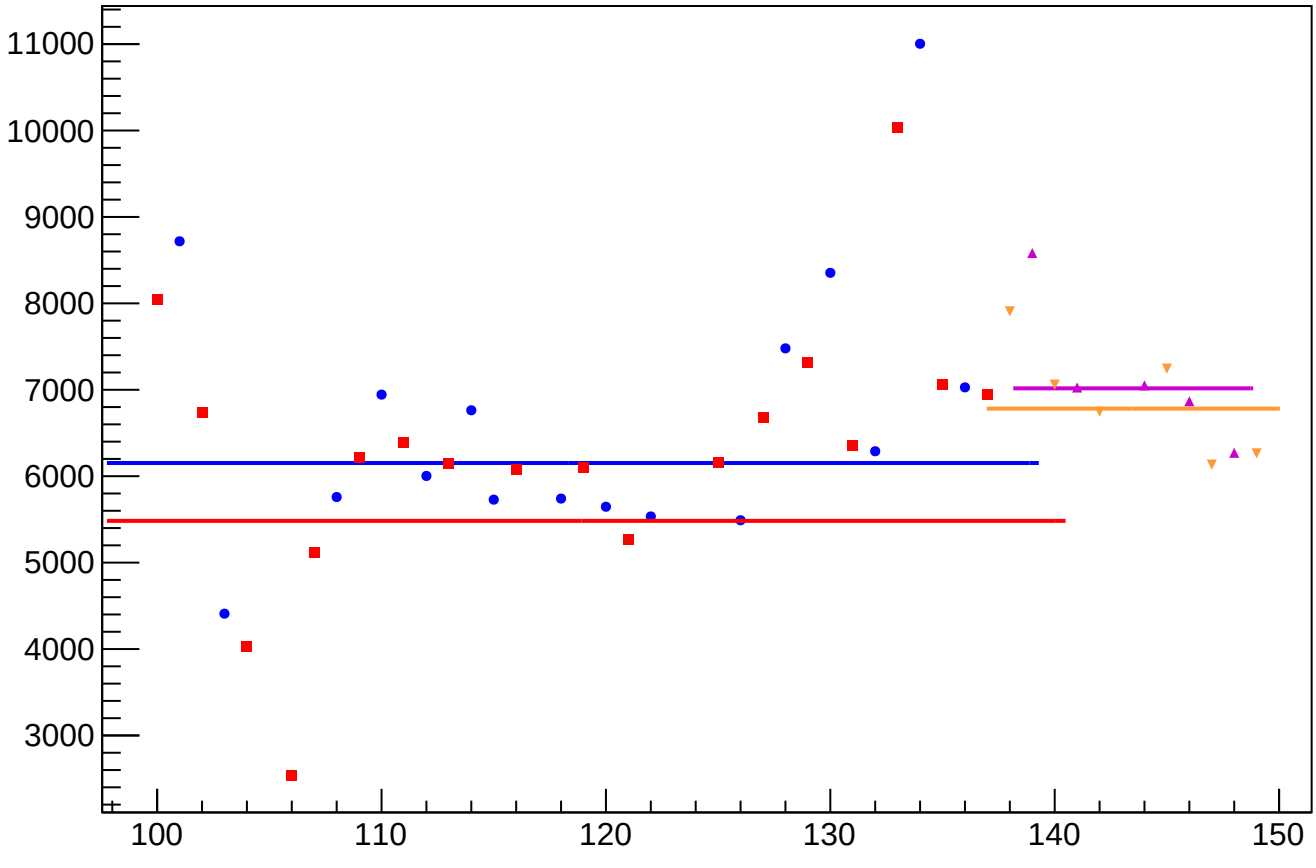
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6468.433+/-1.369 χ^2/NDF:695546.9/20

Out: 5856.903+/-1.237 χ^2/NDF:1215516.5/23

All: 6131.966+/-0.918 χ^2/NDF: 2020918.8/44


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 7480.245+/-3206.862 χ²/NDF:4.3/5
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 641.083+/-3379.893 χ²/NDF:1.6/4
Left: 4240.202+/-2326.360 χ²/NDF: 8.1/10
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1257.870+/-1928.163 χ²/NDF:16.7/20
Out: 2312.734+/-1830.230 χ²/NDF:22.8/23
All: 620.408+/-1327.440 χ²/NDF: 41.3/44



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6781.916+/-2.268 χ^2/NDF:70040.3/5

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7016.561+/-2.390 χ^2/NDF:80813.3/4

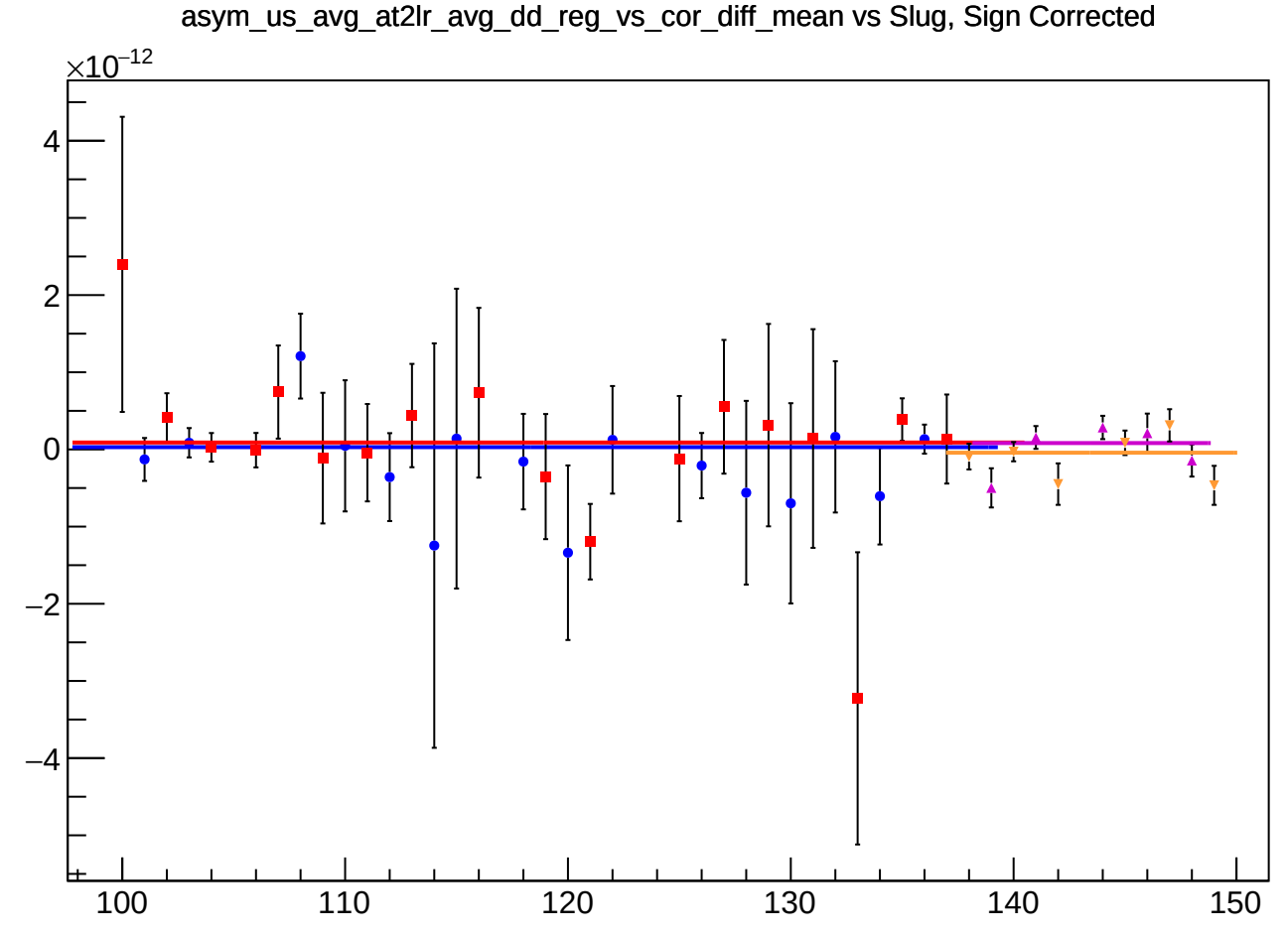
Left: 6893.079+/-1.645 χ^2/NDF: 155926.3/10

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6433.833+/-1.363 χ^2/NDF:792973.1/20

Out: 5885.727+/-1.262 χ^2/NDF:1445080.7/23

All: 6138.700+/-0.926 χ^2/NDF: 2325075.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:8.7/4

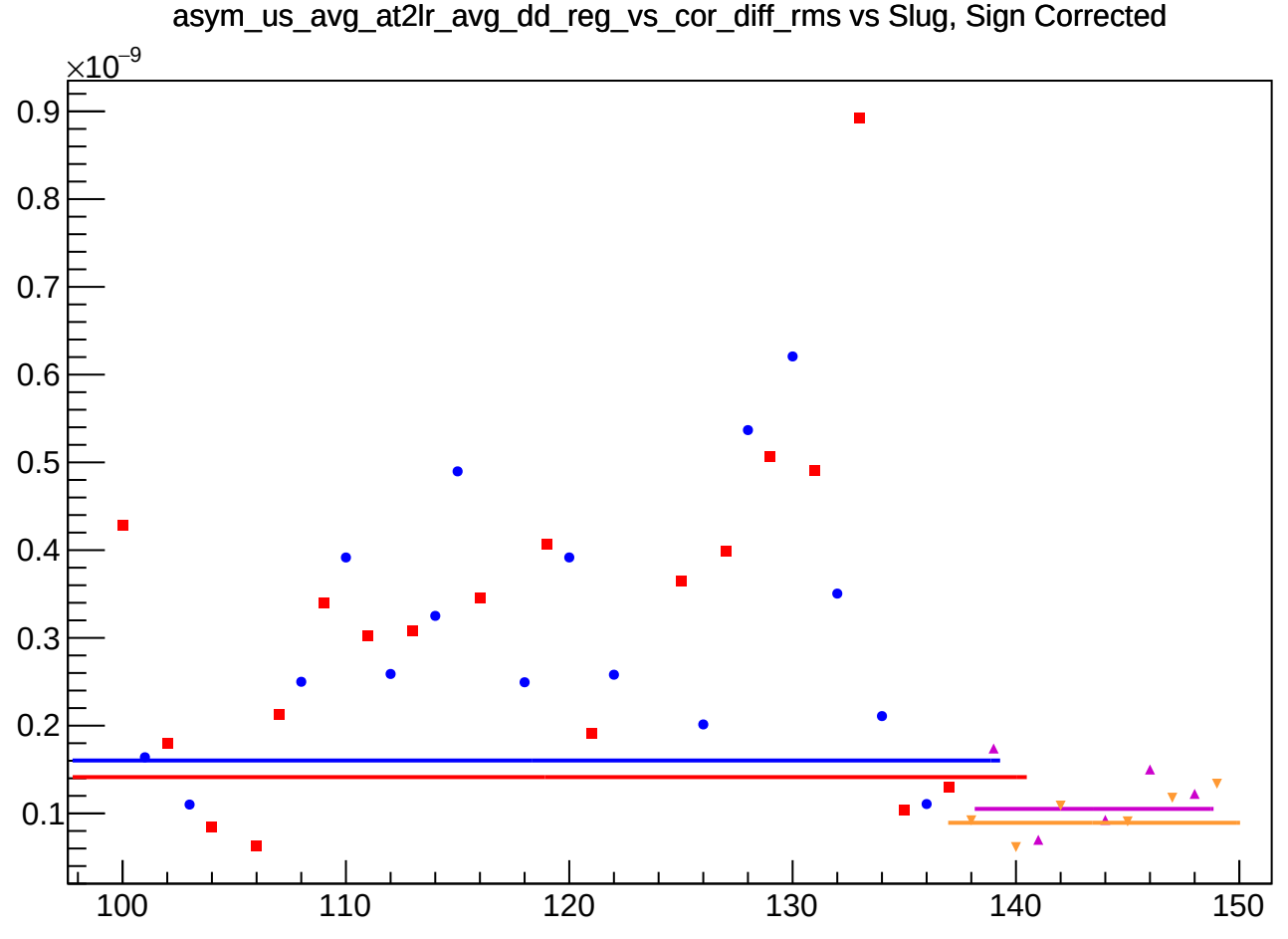
Left: 0.000+/-0.000 χ^2/NDF: 18.7/10

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:18.4/20

Out: 0.000+/-0.000 χ^2/NDF:26.3/23

All: 0.000+/-0.000 χ^2/NDF: 45.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:209213.7/5

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: 601188.3/10

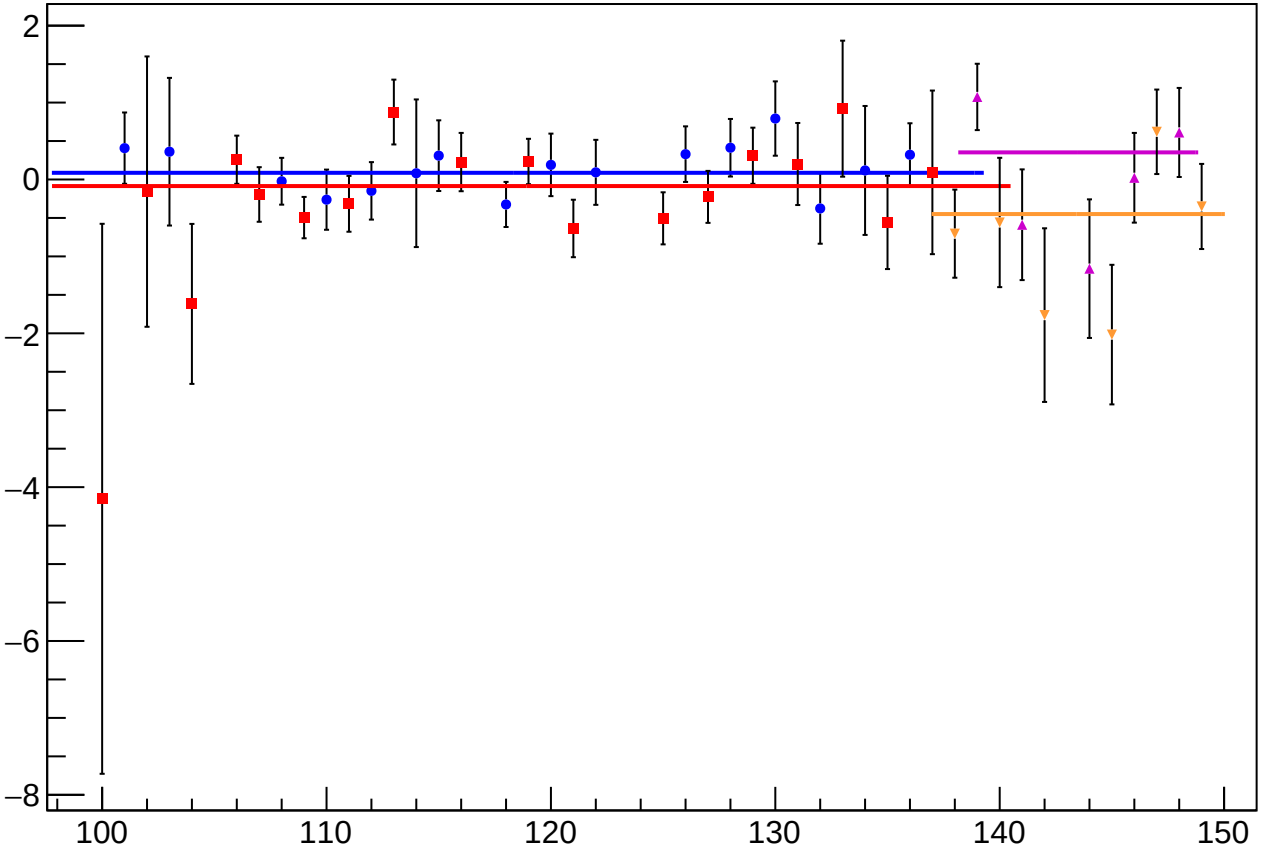
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2024030.4/20

Out: 0.000+/-0.000 χ^2/NDF:2719651.2/23

All: 0.000+/-0.000 χ^2/NDF: 4850536.6/44

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.449+/-0.277 χ^2/NDF:8.4/5

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.352+/-0.263 χ^2/NDF:7.8/4

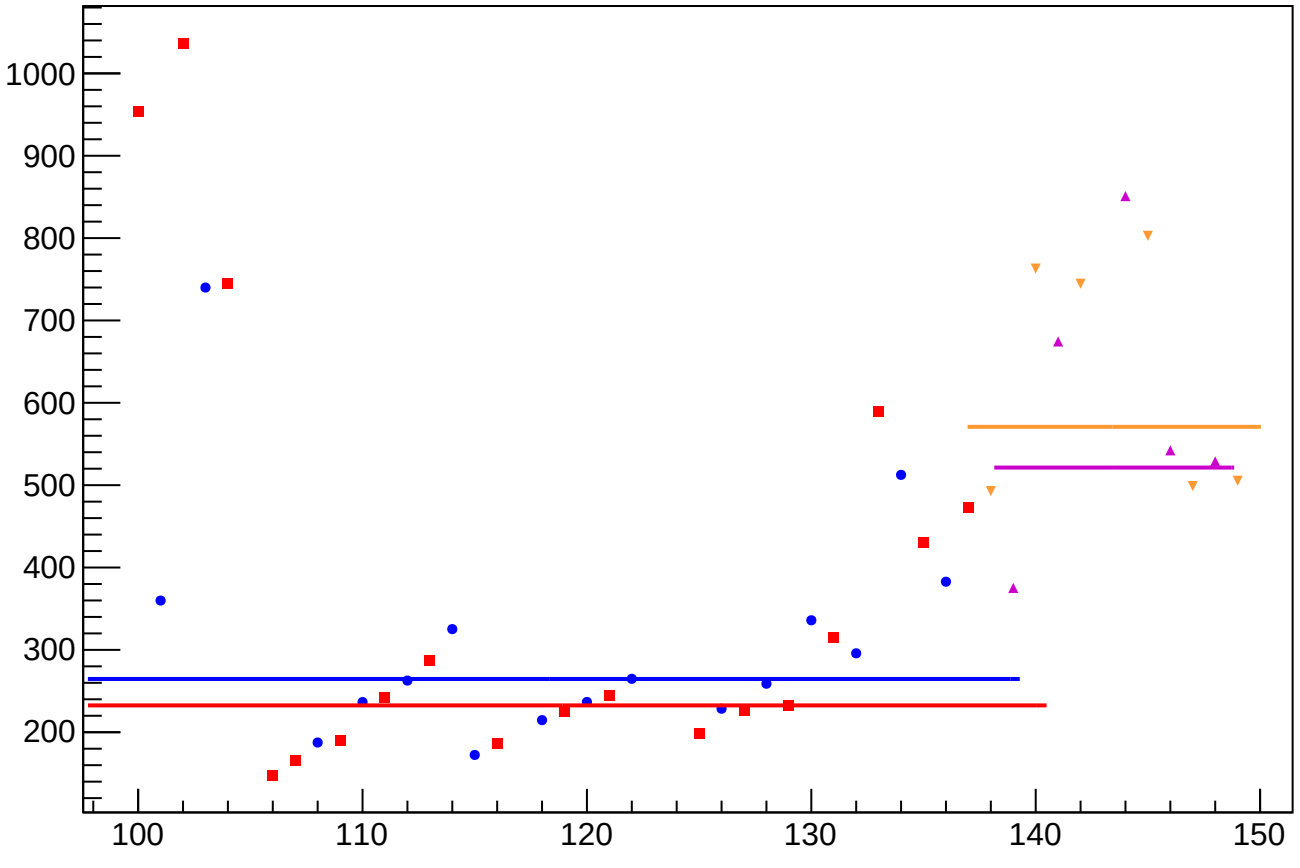
Left: -0.028+/-0.191 χ^2/NDF: 20.6/10

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.126+/-0.092 χ^2/NDF:31.7/23

All: -0.009+/-0.067 χ^2/NDF: 52.8/44



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 570.823+/-0.196 χ^2/NDF:382016.2/5

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: 544.826+/-0.135 χ^2/NDF: 1006290.6/10

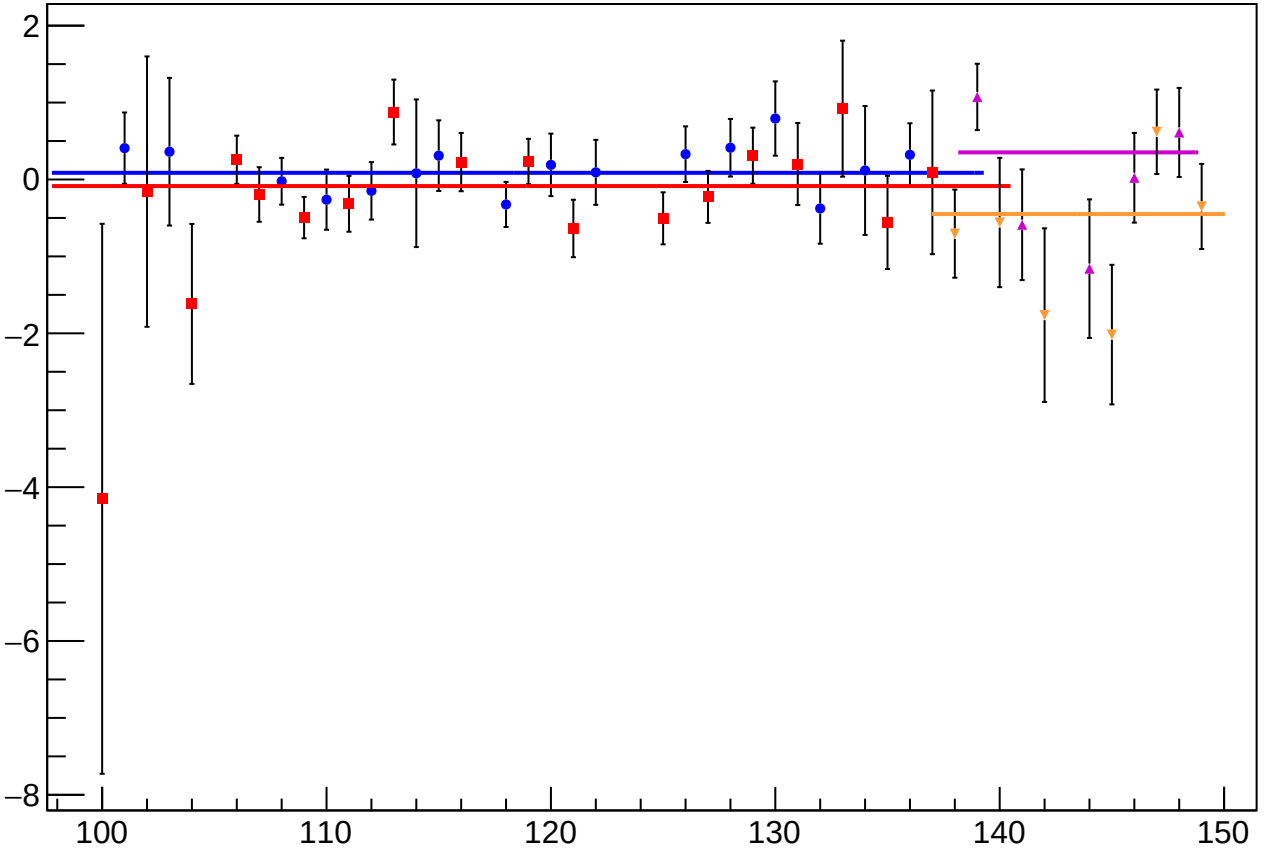
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 300.016+/-0.069 χ^2/NDF:3518435.7/20

Out: 269.798+/-0.065 χ^2/NDF:5070843.9/23

All: 283.991+/-0.047 χ^2/NDF: 8690997.7/44

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: -0.449+/-0.277 χ^2/NDF:8.4/5

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.352+/-0.263 χ^2/NDF:7.8/4

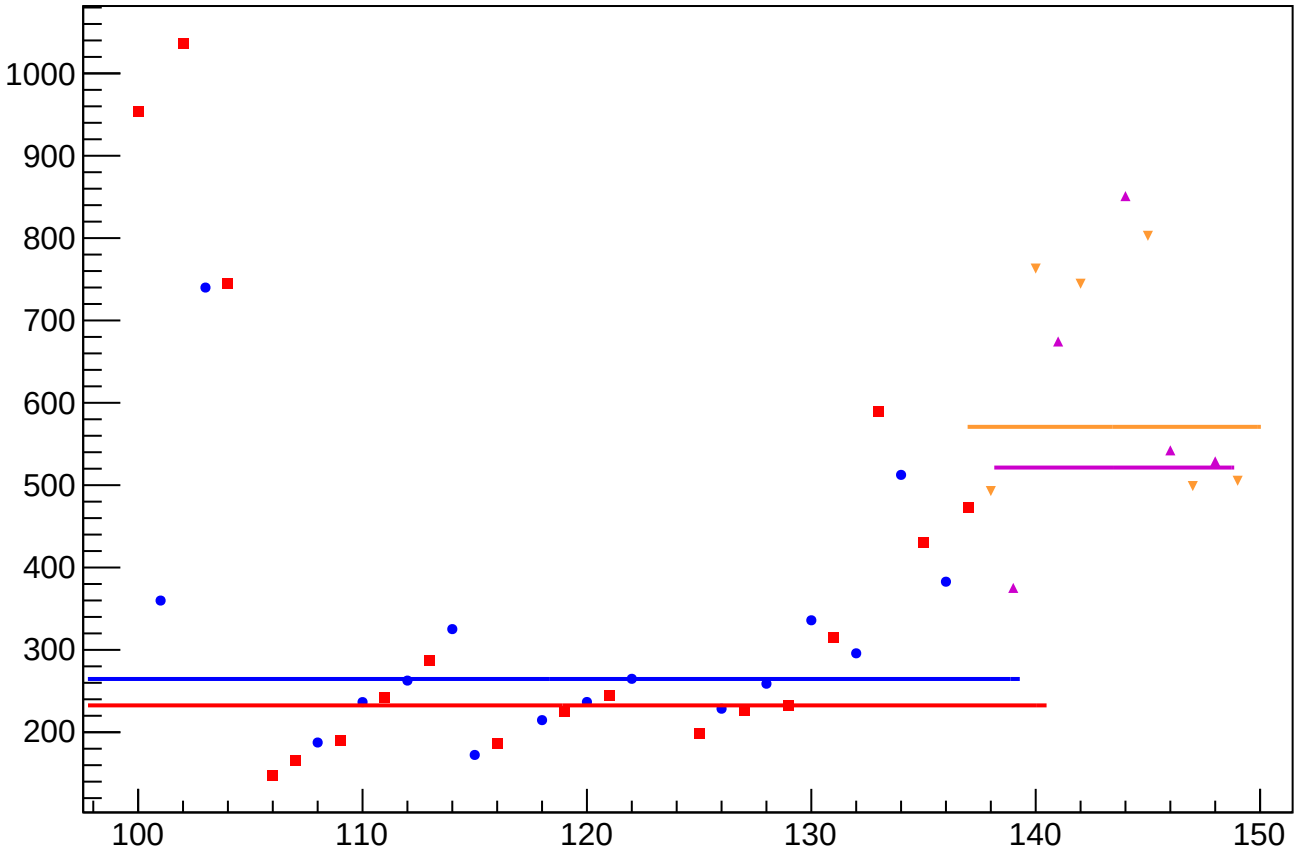
Left: -0.028+/-0.191 χ^2/NDF: 20.6/10

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.126+/-0.092 χ^2/NDF:31.7/23

All: -0.009+/-0.067 χ^2/NDF: 52.8/44



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 570.823+/-0.196 χ^2/NDF:382016.2/5

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: 544.826+/-0.135 χ^2/NDF: 1006290.6/10

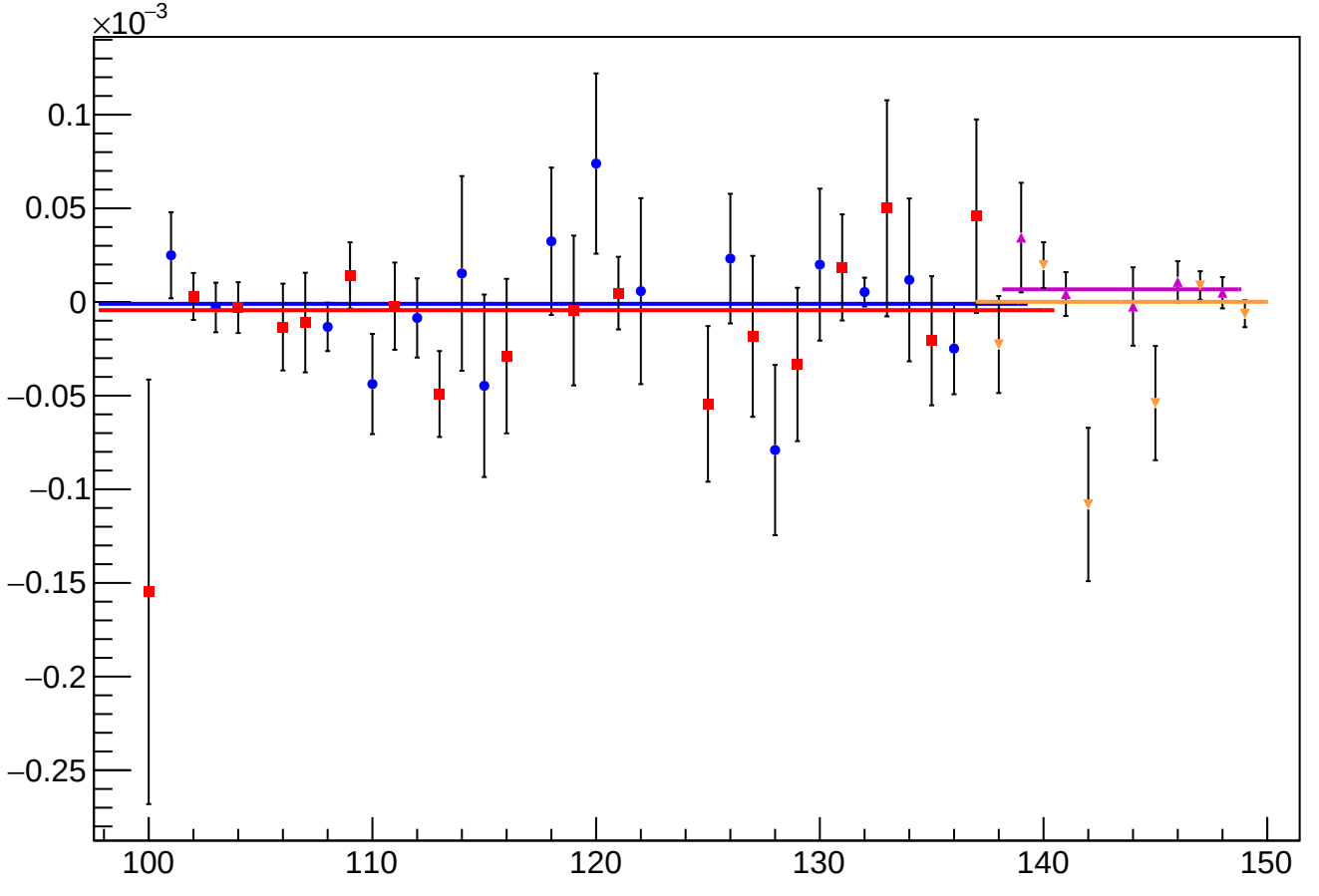
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 300.016+/-0.069 χ^2/NDF:3518435.7/20

Out: 269.798+/-0.065 χ^2/NDF:5070843.9/23

All: 283.991+/-0.047 χ^2/NDF: 8690997.7/44

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

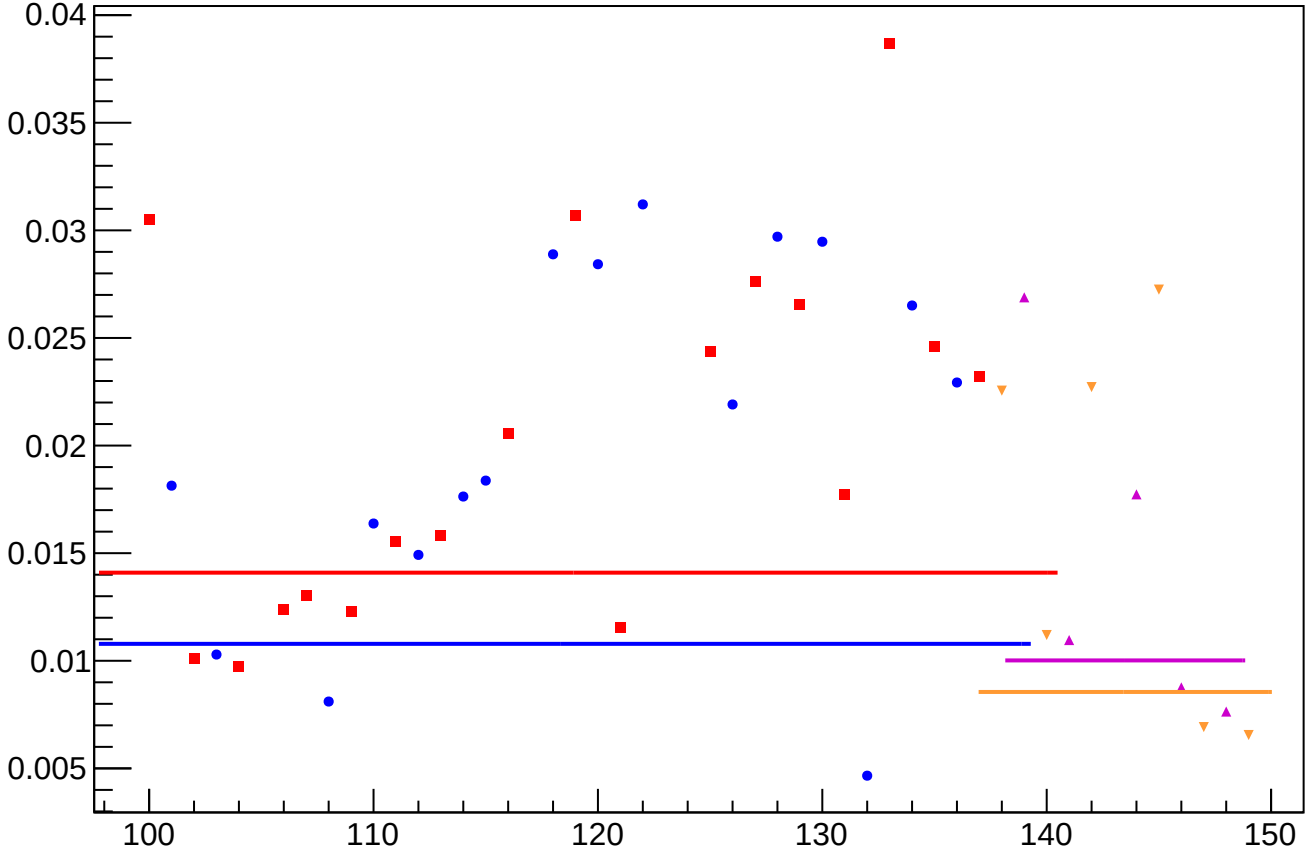
Left: 0.000+/-0.000 χ^2/NDF: 17.7/10

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:28.5/23

All: 0.000+/-0.000 χ^2/NDF: 45.9/44



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1916406.0/5

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:1137559.5/4

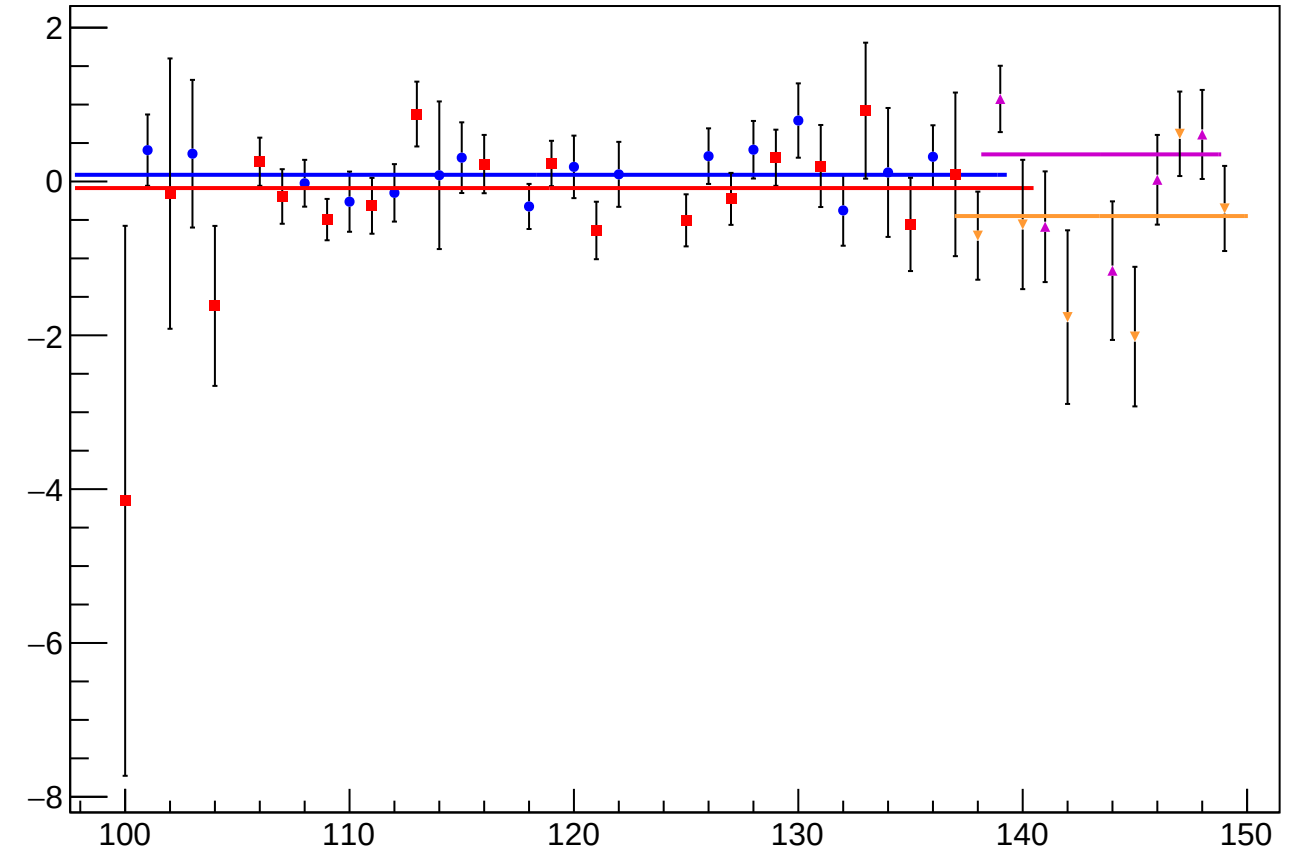
Left: 0.009+/-0.000 χ^2/NDF: 3137302.5/10

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:5739304.5/20

Out: 0.011+/-0.000 χ^2/NDF:5132774.3/23

All: 0.011+/-0.000 χ^2/NDF: 10879058.5/44



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.449+/-0.277 χ^2/NDF:8.4/5

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: -0.028+/-0.191 χ^2/NDF: 20.6/10

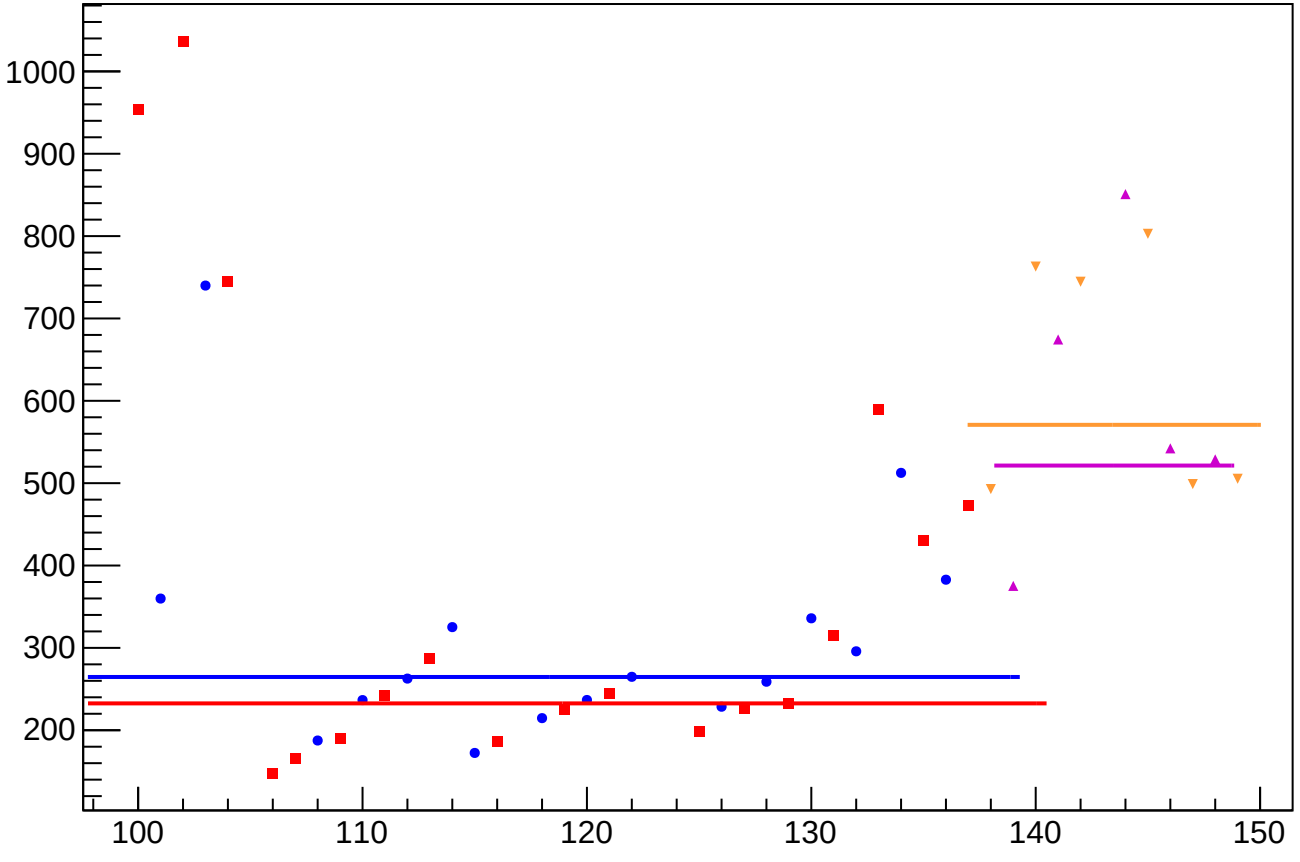
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.126+/-0.092 χ^2/NDF:31.7/23

All: -0.009+/-0.067 χ^2/NDF: 52.8/44

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 570.829+/-0.196 χ^2/NDF:382019.7/5

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: 544.833+/-0.135 χ^2/NDF: 1006267.2/10

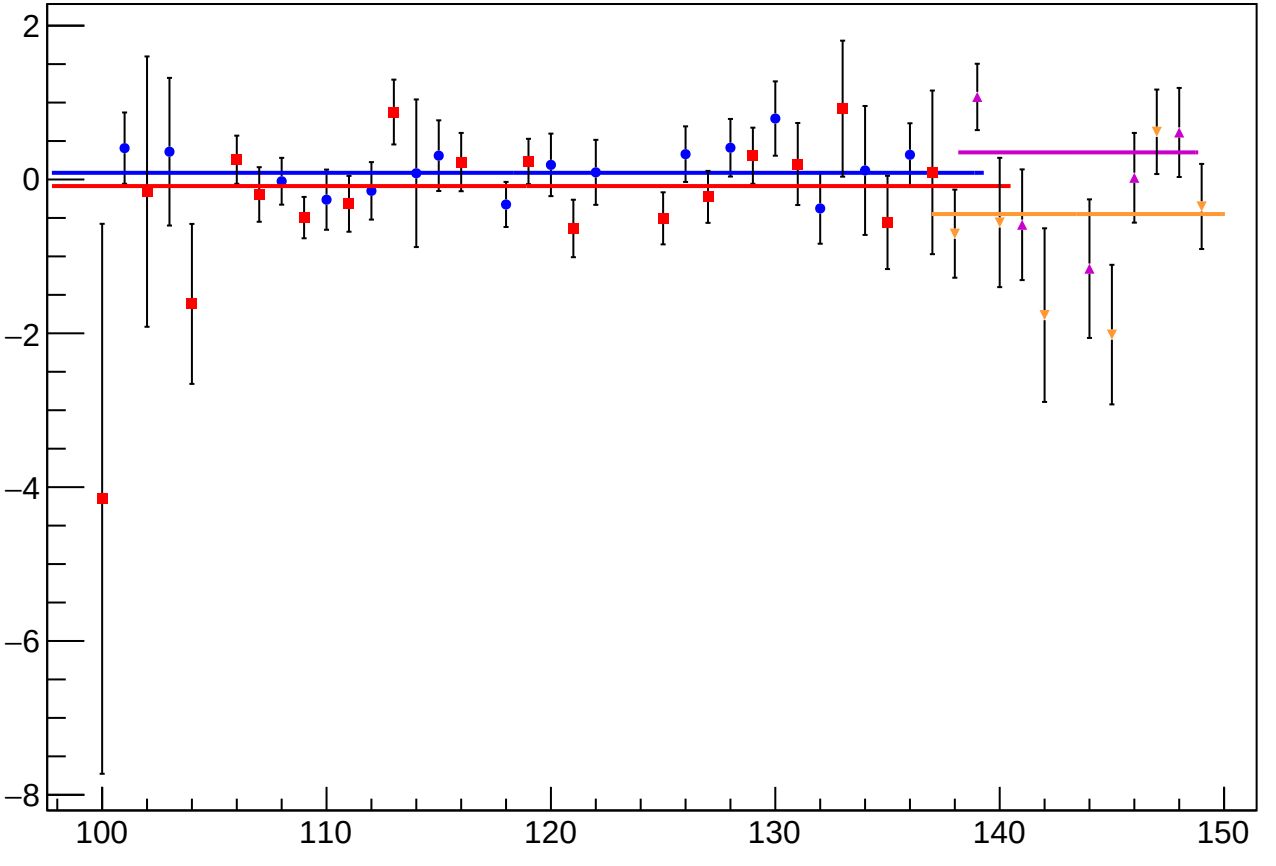
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 300.015+/-0.069 χ^2/NDF:3518450.8/20

Out: 269.799+/-0.065 χ^2/NDF:5070872.2/23

All: 283.991+/-0.047 χ^2/NDF: 8691036.1/44

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: -0.449+/-0.277 χ^2/NDF:8.4/5

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: -0.028+/-0.191 χ^2/NDF: 20.6/10

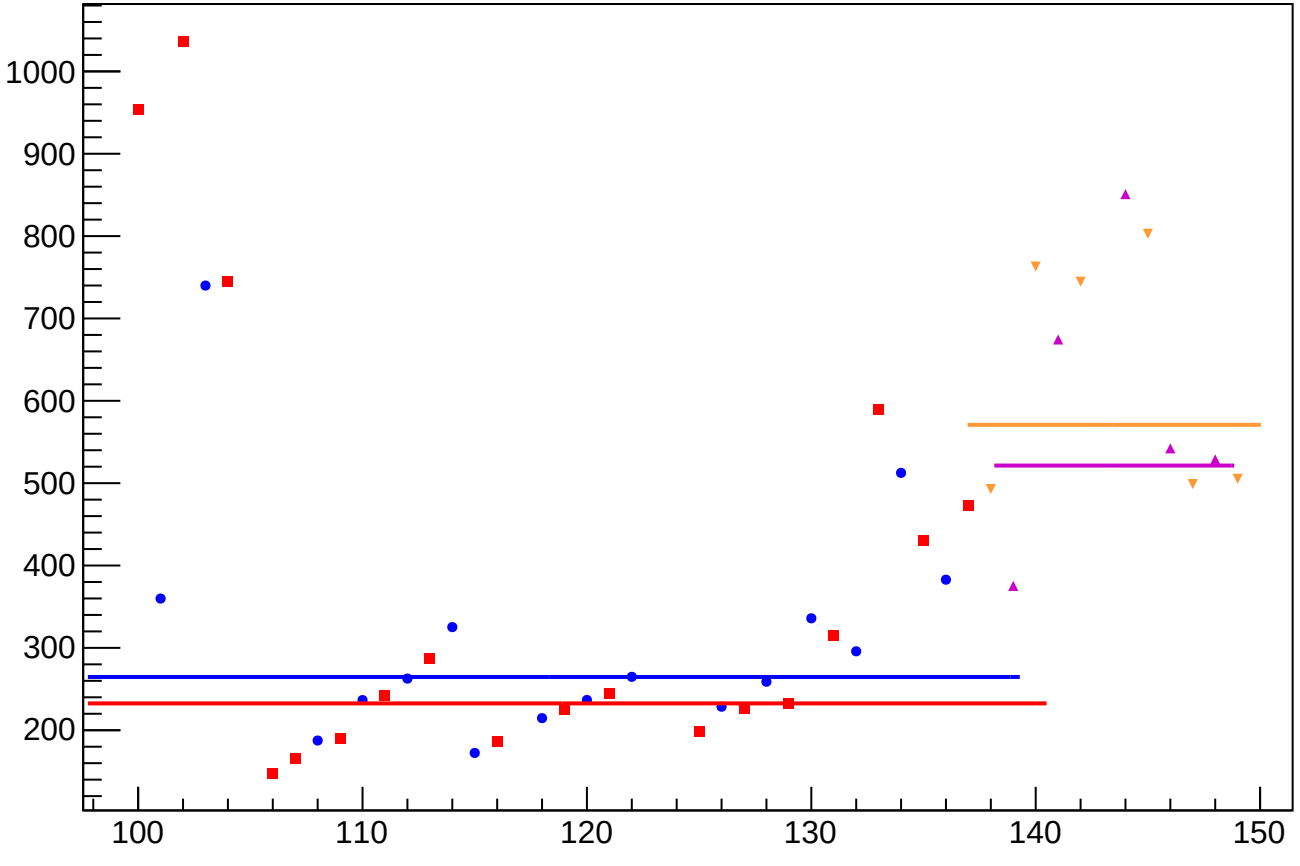
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.123+/-0.098 χ^2/NDF:17.6/20

Out: -0.126+/-0.092 χ^2/NDF:31.7/23

All: -0.009+/-0.067 χ^2/NDF: 52.8/44

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 570.829+/-0.196 χ^2/NDF:382019.7/5

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 521.386+/-0.186 χ^2/NDF:590717.4/4

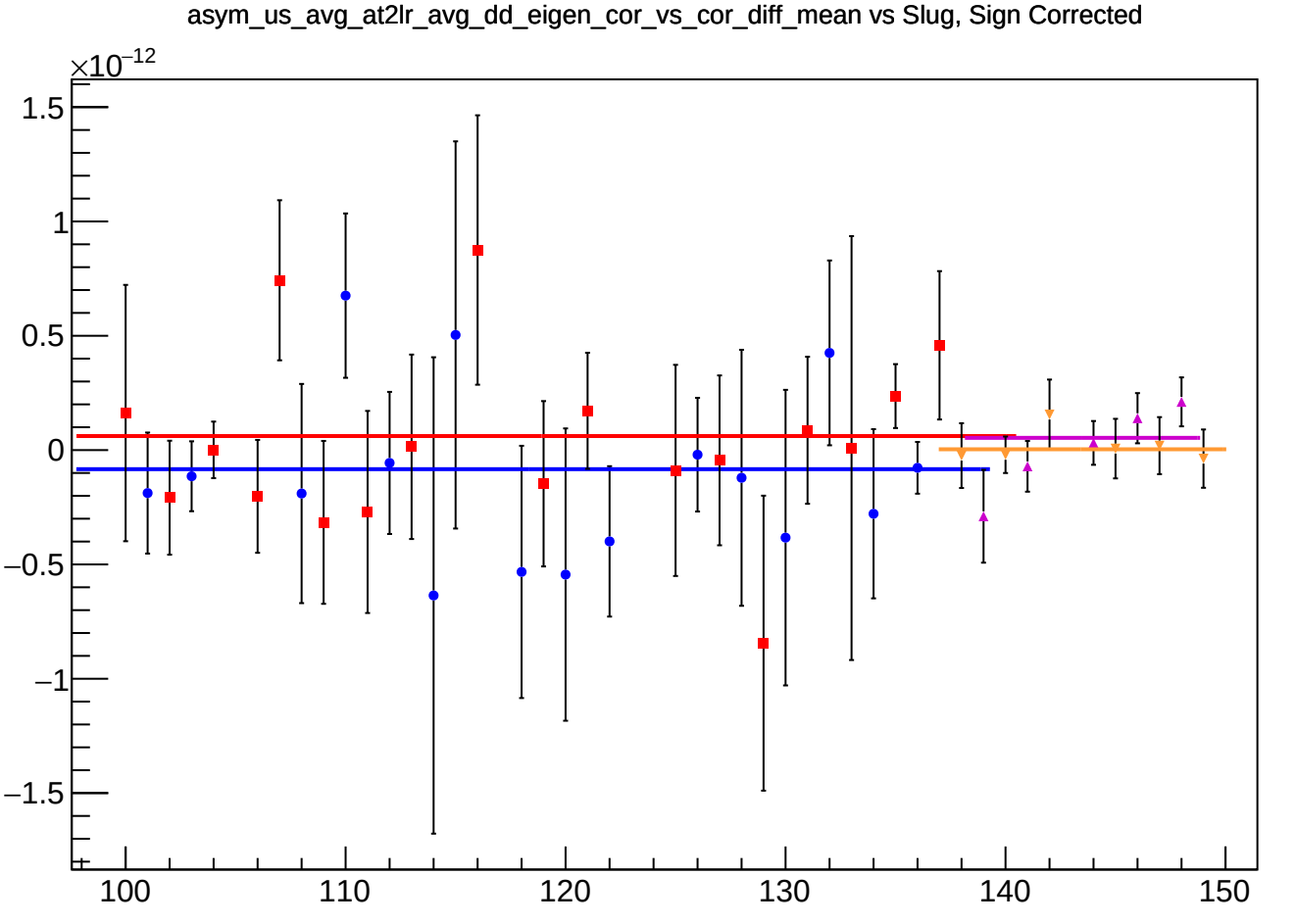
Left: 544.833+/-0.135 χ^2/NDF: 1006267.2/10

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 300.015+/-0.069 χ^2/NDF:3518450.8/20

Out: 269.799+/-0.065 χ^2/NDF:5070872.2/23

All: 283.991+/-0.047 χ^2/NDF: 8691036.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/4

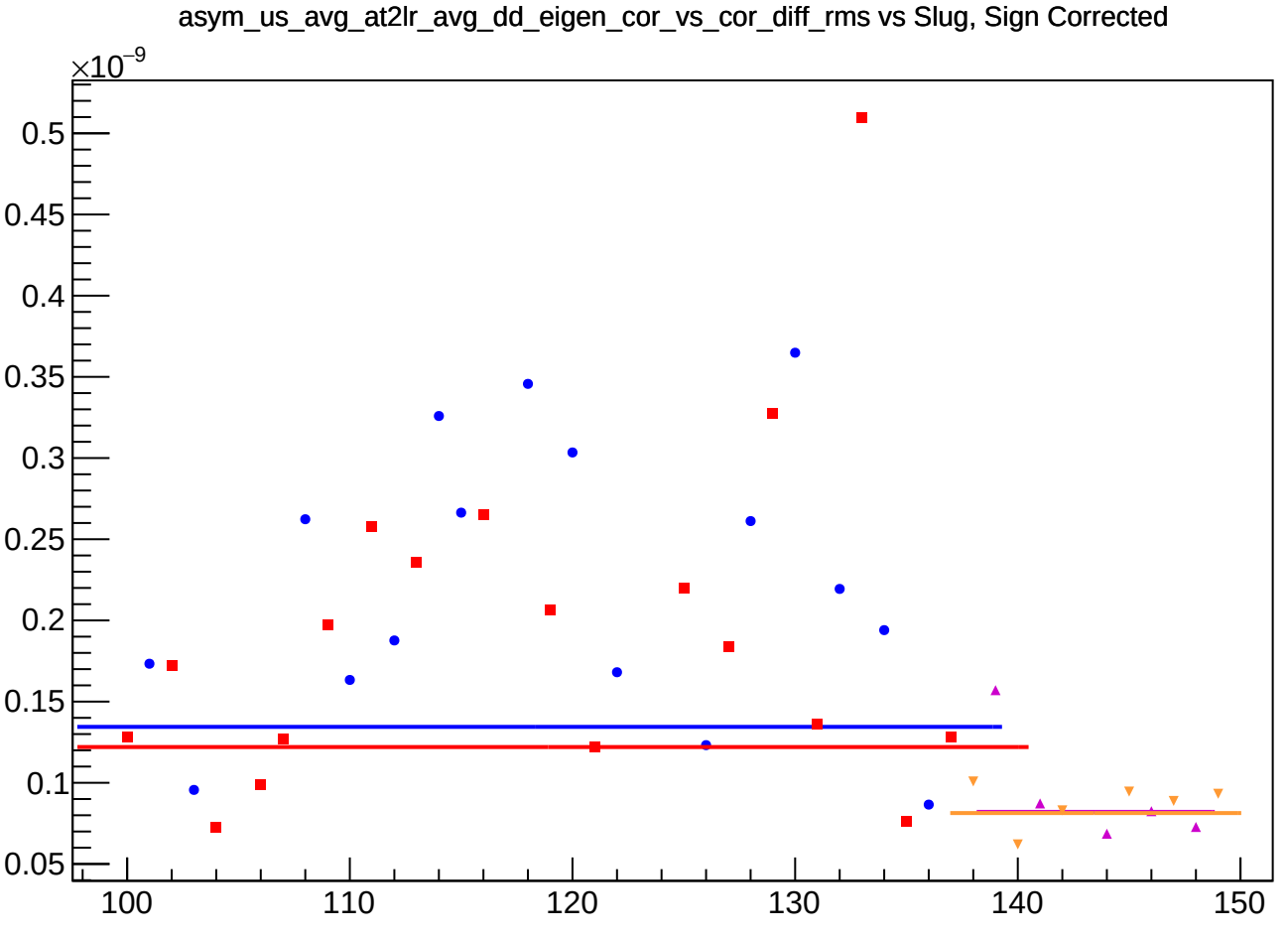
Left: 0.000+/-0.000 χ^2/NDF: 8.7/10

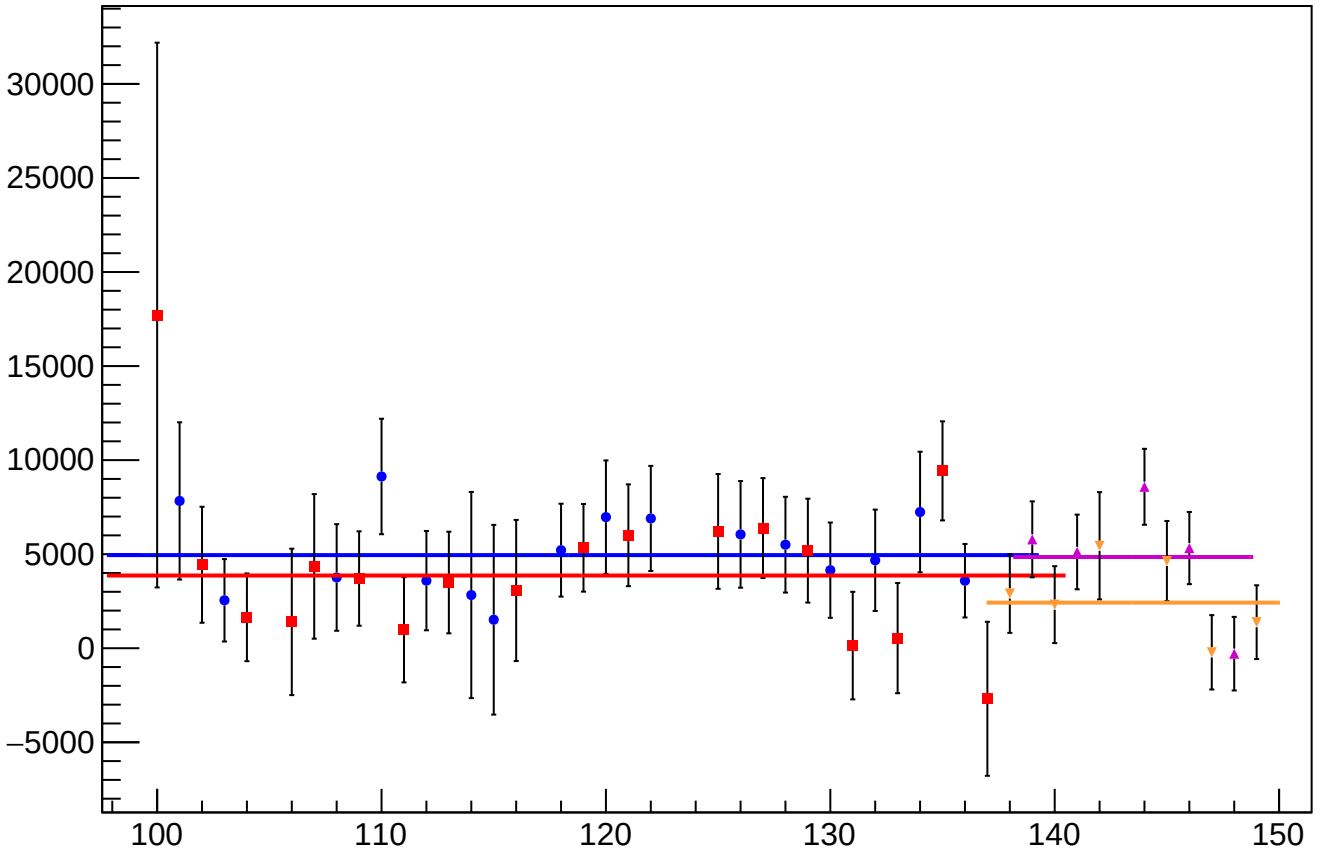
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:19.2/20

Out: 0.000+/-0.000 χ^2/NDF:17.5/23

All: 0.000+/-0.000 χ^2/NDF: 36.8/44


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:200010.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:331759.0/4
Left: 0.000+/-0.000 χ²/NDF: 531987.2/10
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:2891517.9/20
Out: 0.000+/-0.000 χ²/NDF:2714977.7/23
All: 0.000+/-0.000 χ²/NDF: 5620604.2/44



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2424.072+/-867.954 χ^2/NDF:4.3/5

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4850.330+/-884.702 χ^2/NDF:10.6/4

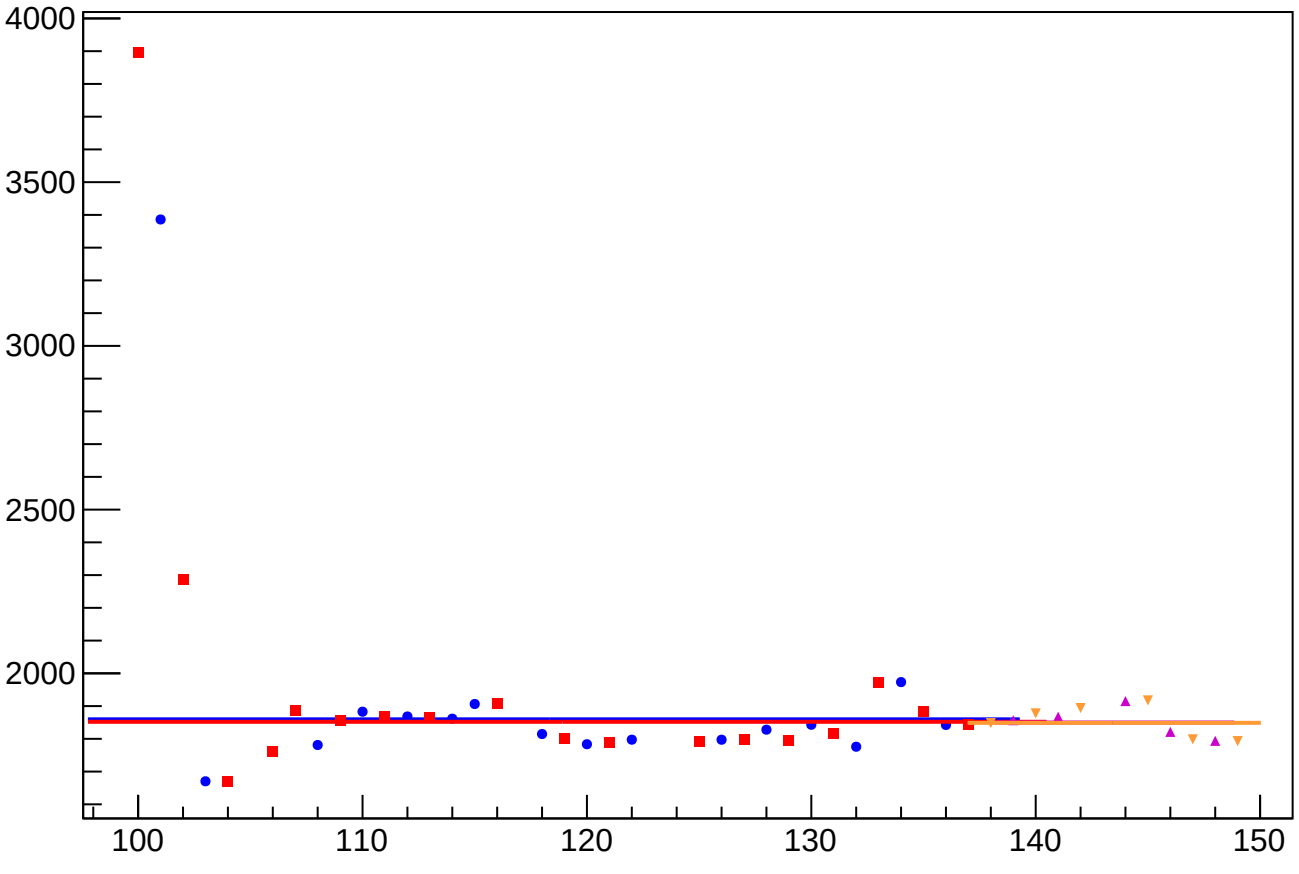
Left: 3614.019+/-619.573 χ^2/NDF: 18.8/10

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4911.896+/-548.436 χ^2/NDF:17.5/20

Out: 3301.375+/-542.881 χ^2/NDF:22.2/23

All: 4098.437+/-385.824 χ^2/NDF: 44.0/44



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1848.850+/-0.614 χ^2/NDF:5896.9/5

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: 1849.319+/-0.438 χ^2/NDF: 10261.9/10

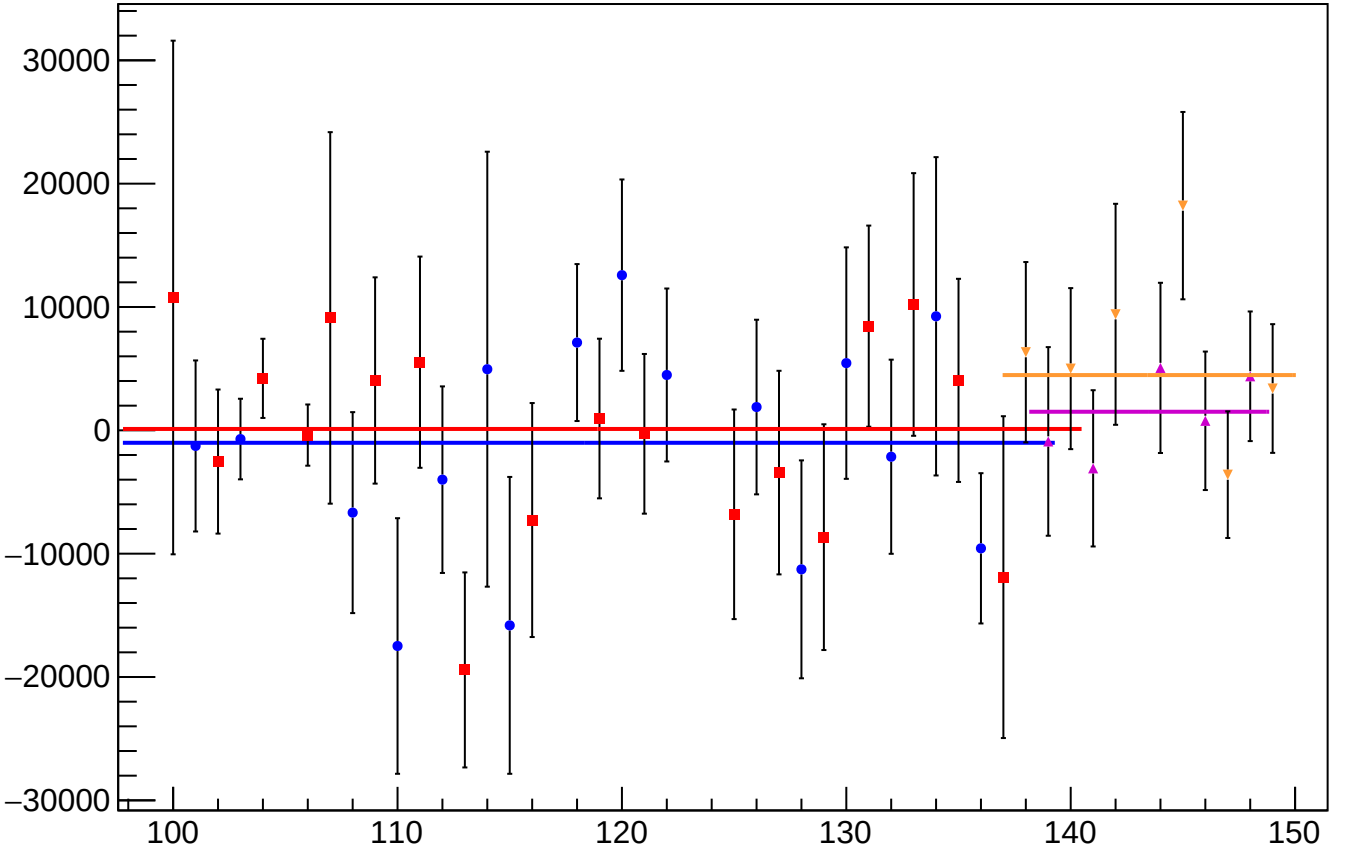
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1855.781+/-0.388 χ^2/NDF:296846.5/20

Out: 1850.812+/-0.383 χ^2/NDF:108126.2/23

All: 1853.266+/-0.273 χ^2/NDF: 405055.7/44

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4480.012+/-2611.465 χ^2/NDF:6.2/5

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1506.761+/-2763.288 χ^2/NDF:1.2/4

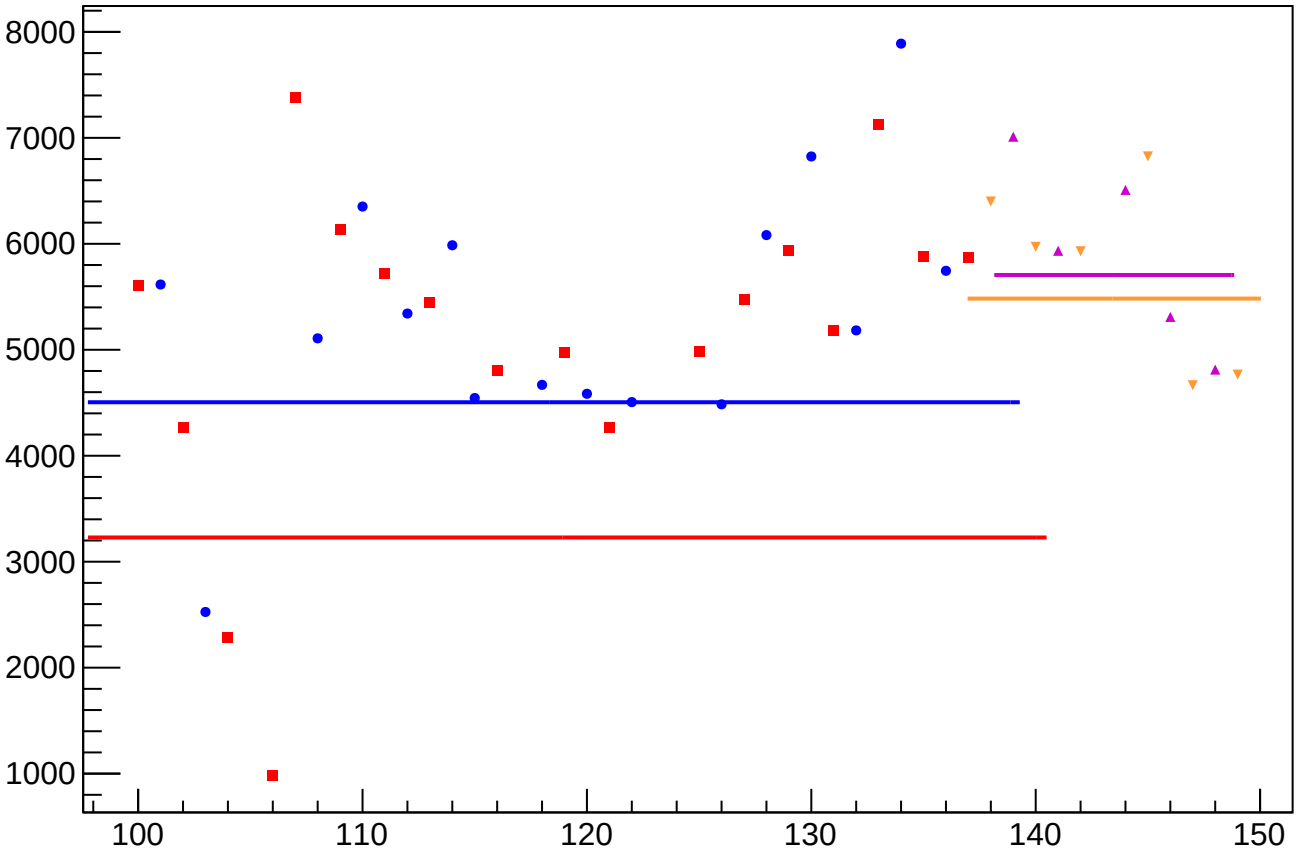
Left: 3077.306+/-1897.989 χ^2/NDF: 8.0/10

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -281.424+/-1486.974 χ^2/NDF:16.5/20

Out: 1128.281+/-1259.999 χ^2/NDF:22.9/23

All: 539.118+/-961.295 χ^2/NDF: 40.0/44



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5483.146+/-1.847 χ^2/NDF:198560.8/5

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5705.856+/-1.954 χ^2/NDF:155621.7/4

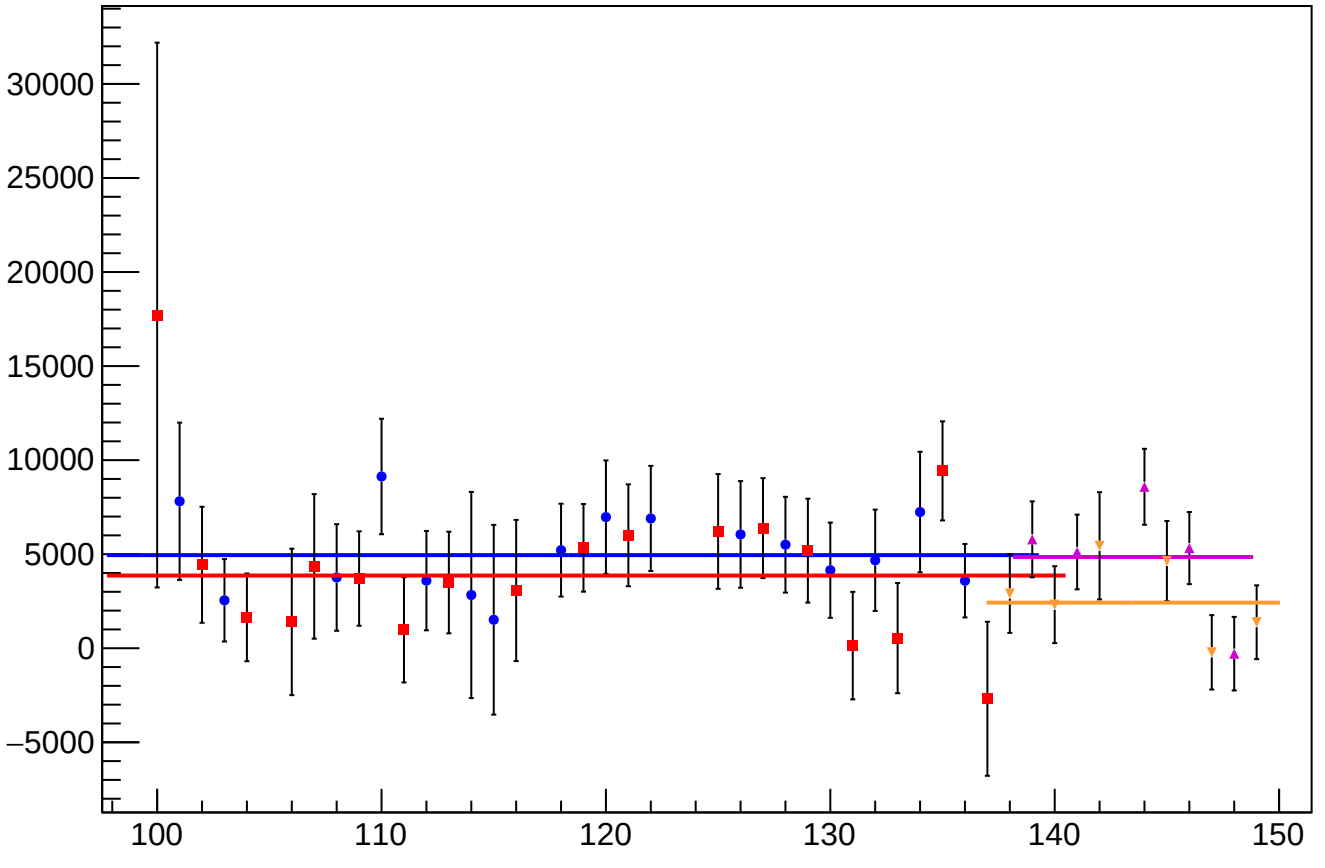
Left: 5588.215+/-1.342 χ^2/NDF: 361044.8/10

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4852.582+/-1.051 χ^2/NDF:1745158.0/20

Out: 3753.449+/-0.891 χ^2/NDF:5298599.1/23

All: 4212.813+/-0.680 χ^2/NDF: 7679814.7/44



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2423.948+/-867.954 χ^2/NDF:4.3/5

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4850.656+/-884.702 χ^2/NDF:10.6/4

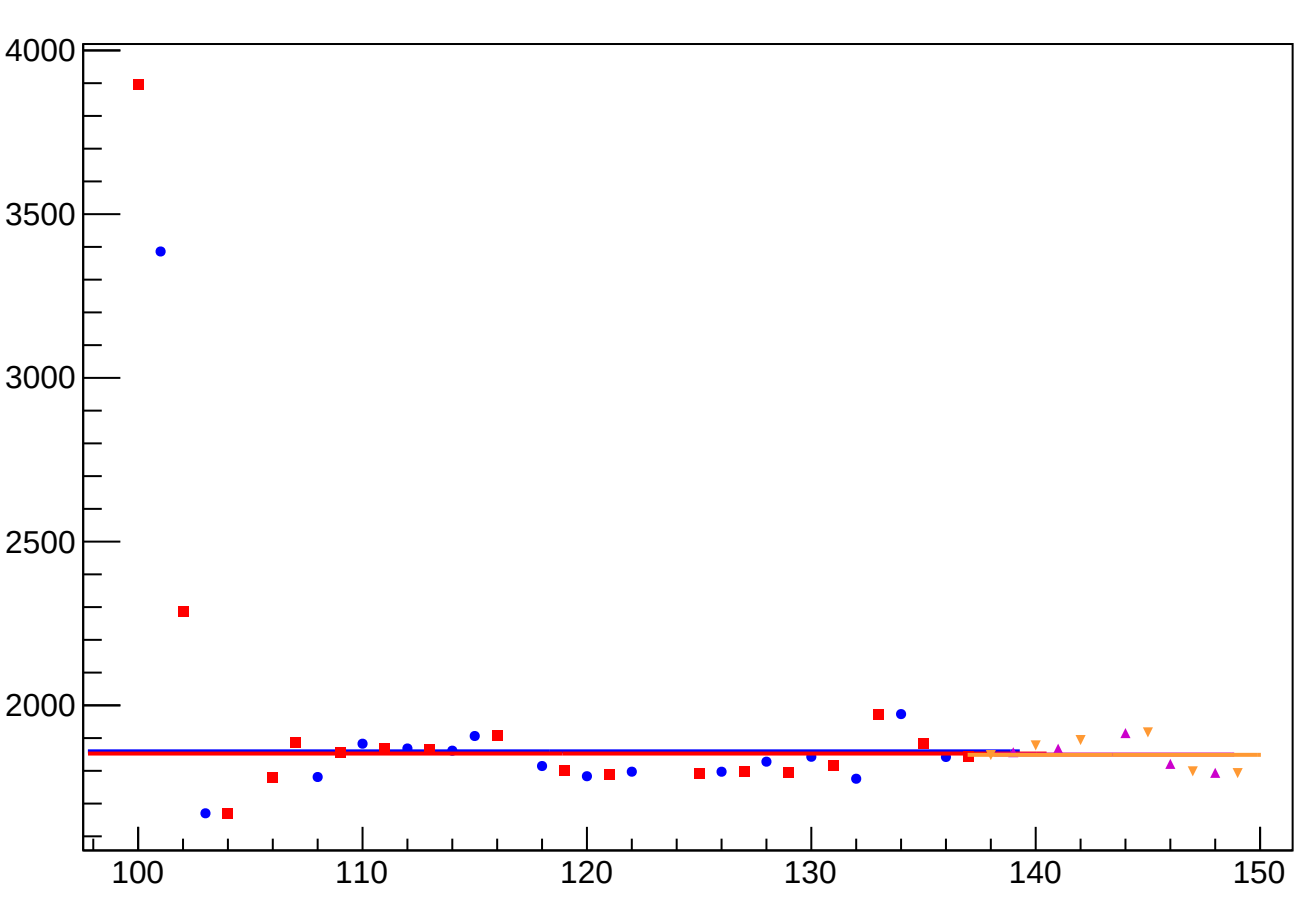
Left: 3614.116+/-619.573 χ^2/NDF: 18.8/10

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4911.724+/-548.436 χ^2/NDF:17.5/20

Out: 3301.196+/-542.881 χ^2/NDF:22.2/23

All: 4098.261+/-385.824 χ^2/NDF: 44.0/44



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1848.850+/-0.614 χ^2/NDF:5896.9/5

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: 1849.319+/-0.438 χ^2/NDF: 10261.9/10

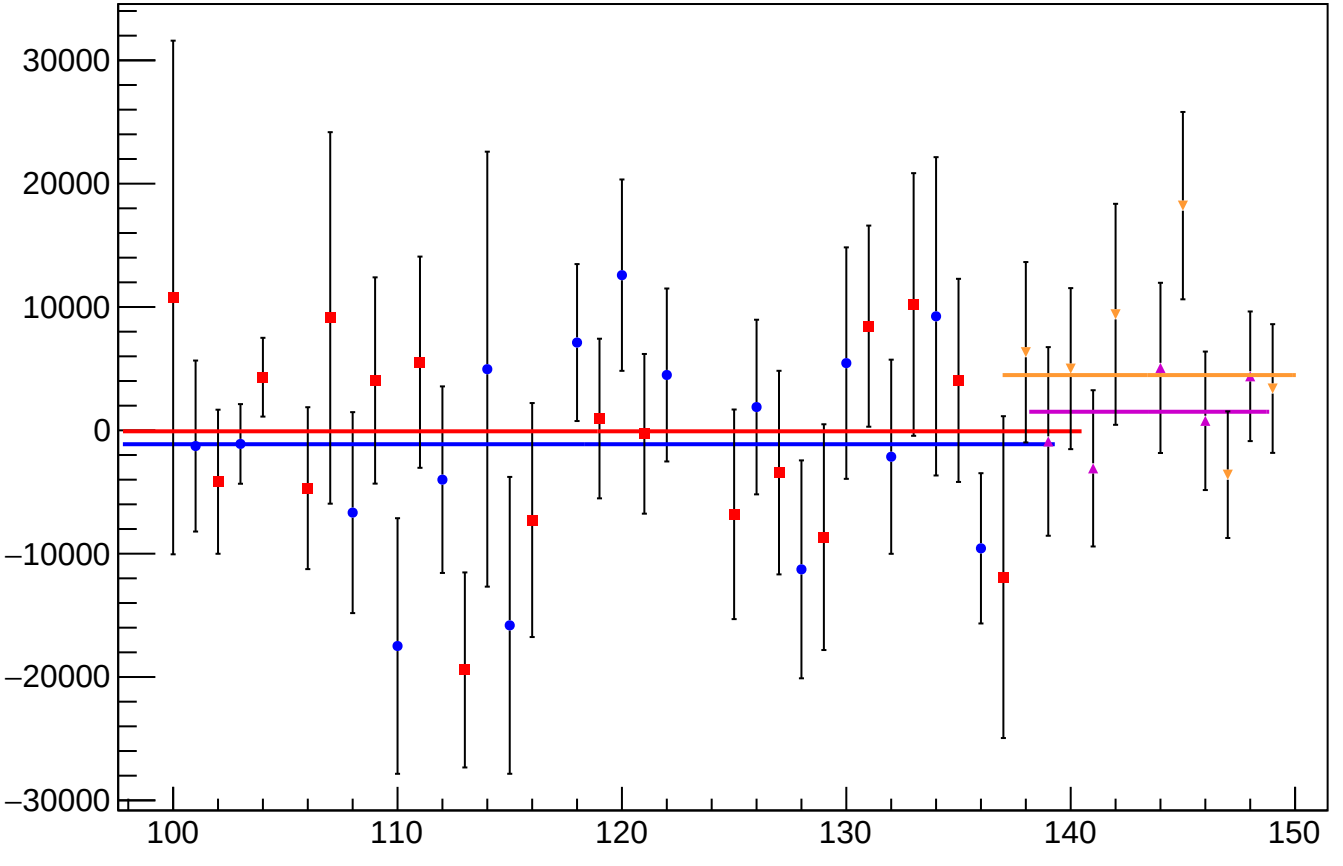
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1855.781+/-0.388 χ^2/NDF:296848.4/20

Out: 1851.242+/-0.383 χ^2/NDF:107672.3/23

All: 1853.484+/-0.273 χ^2/NDF: 404590.0/44

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4479.893+/-2611.460 χ^2/NDF:6.2/5

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: 3077.275+/-1897.986 χ^2/NDF: 8.0/10

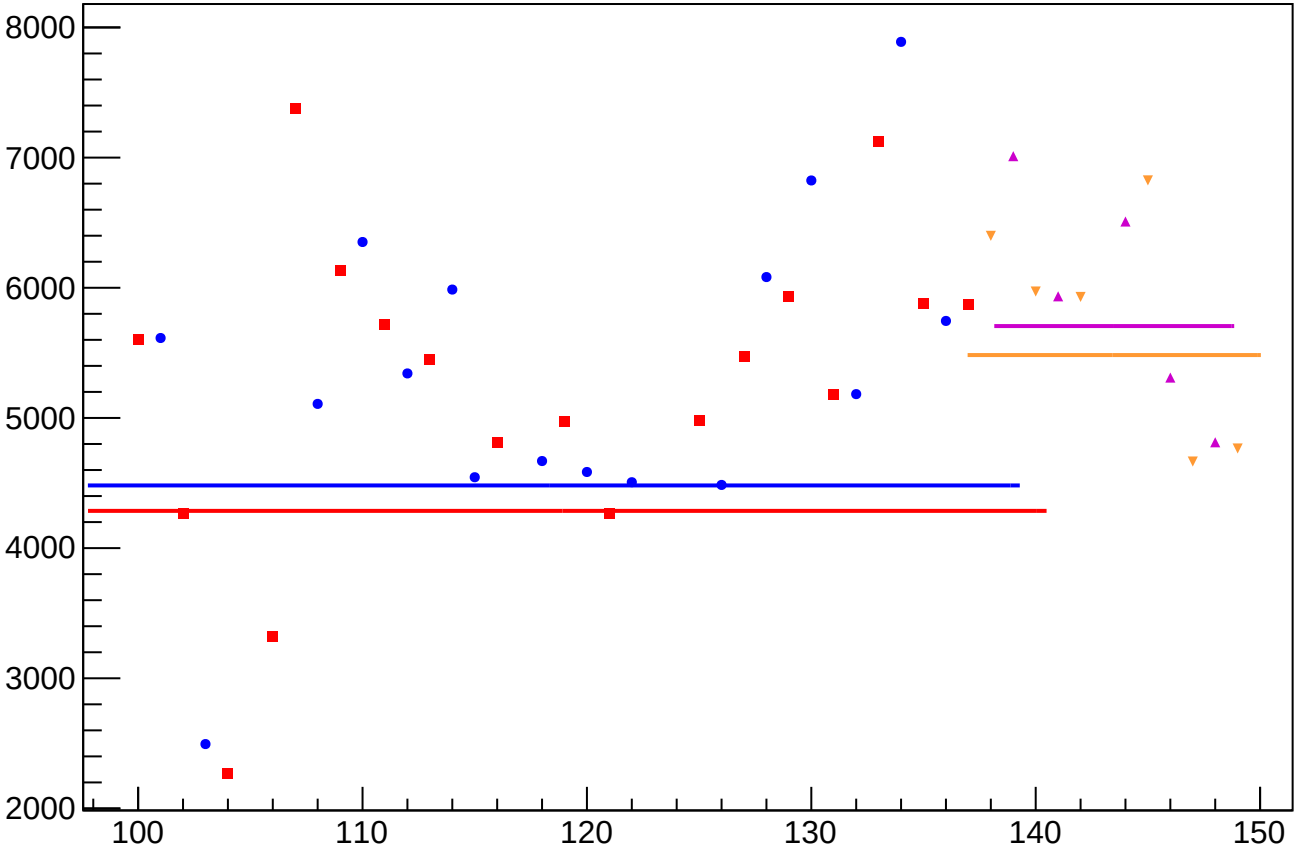
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -367.174+/-1483.193 χ^2/NDF:16.6/20

Out: 1281.160+/-1426.155 χ^2/NDF:23.8/23

All: 489.296+/-1028.017 χ^2/NDF: 41.1/44

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5483.134+/-1.847 χ^2/NDF:198560.7/5

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

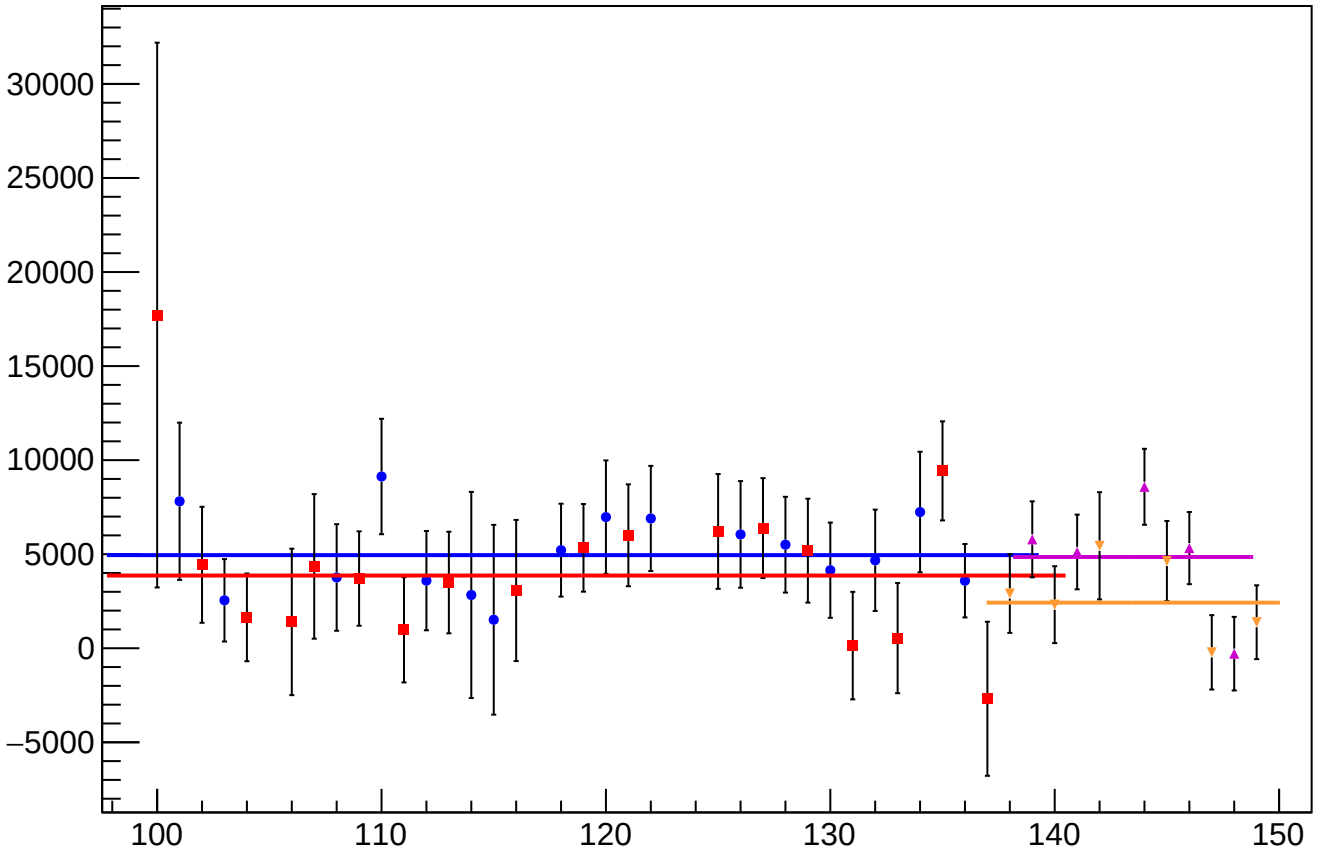
Left: 5588.206+/-1.342 χ^2/NDF: 361046.9/10

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4834.249+/-1.049 χ^2/NDF:1797387.4/20

Out: 4643.122+/-1.008 χ^2/NDF:2043294.1/23

All: 4734.940+/-0.727 χ^2/NDF: 3857937.6/44



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2423.948+/-867.954 χ^2/NDF:4.3/5

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4850.656+/-884.702 χ^2/NDF:10.6/4

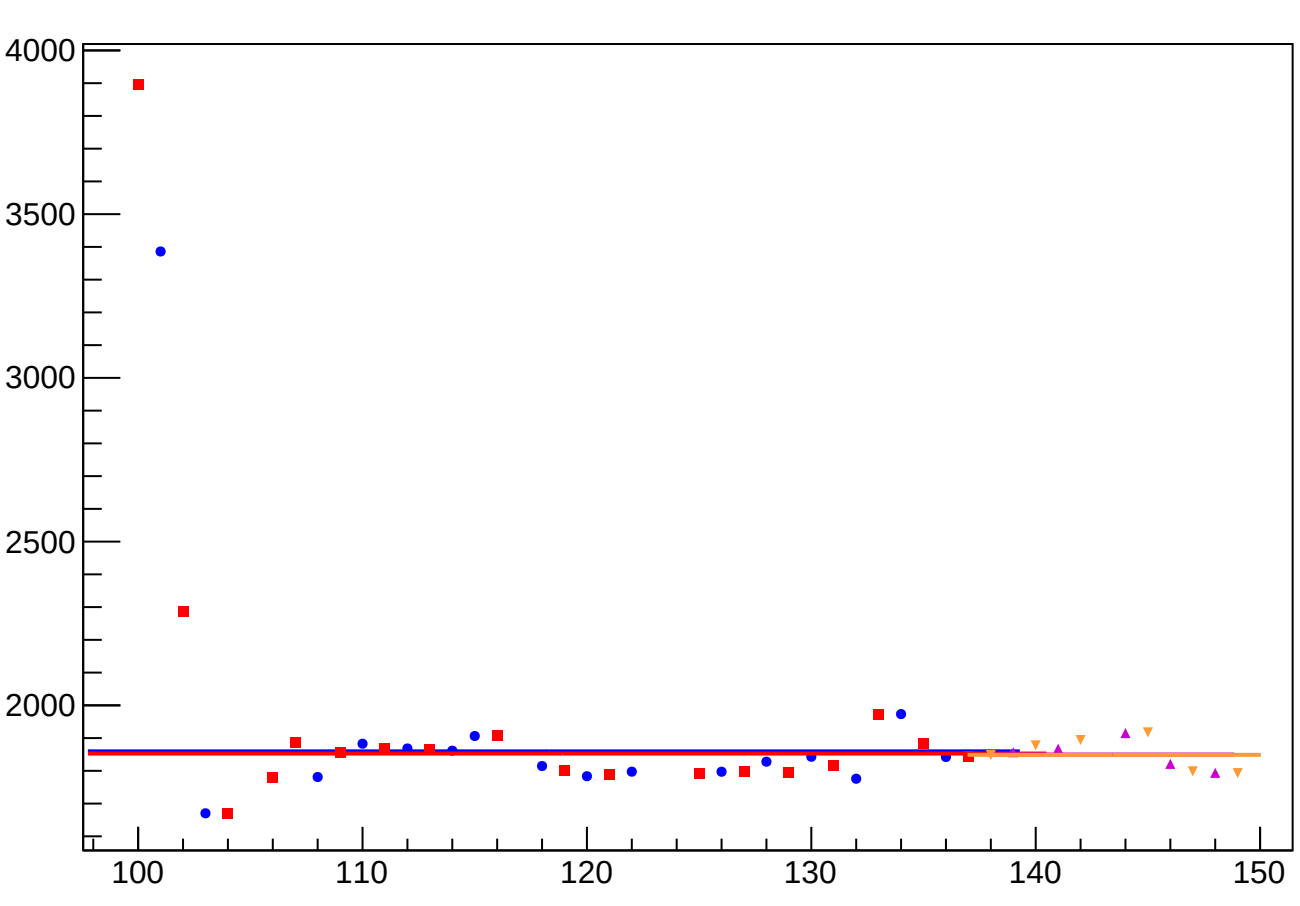
Left: 3614.116+/-619.573 χ^2/NDF: 18.8/10

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4911.724+/-548.436 χ^2/NDF:17.5/20

Out: 3301.196+/-542.881 χ^2/NDF:22.2/23

All: 4098.261+/-385.824 χ^2/NDF: 44.0/44



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1848.850+/-0.614 χ^2/NDF:5896.9/5

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: 1849.319+/-0.438 χ^2/NDF: 10261.9/10

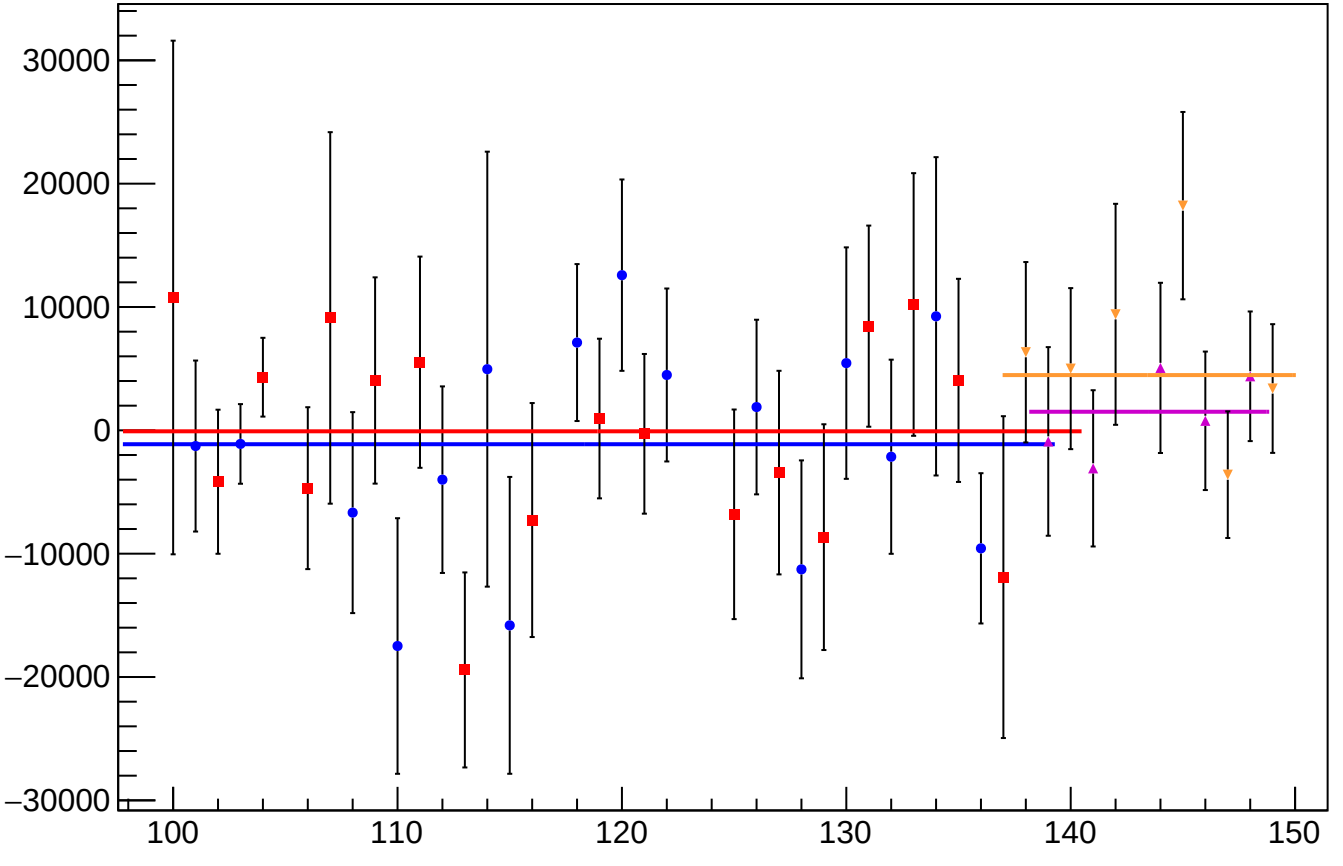
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1855.781+/-0.388 χ^2/NDF:296848.4/20

Out: 1851.242+/-0.383 χ^2/NDF:107672.3/23

All: 1853.484+/-0.273 χ^2/NDF: 404590.0/44

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4479.893+/-2611.460 χ^2/NDF:6.2/5

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: 3077.275+/-1897.986 χ^2/NDF: 8.0/10

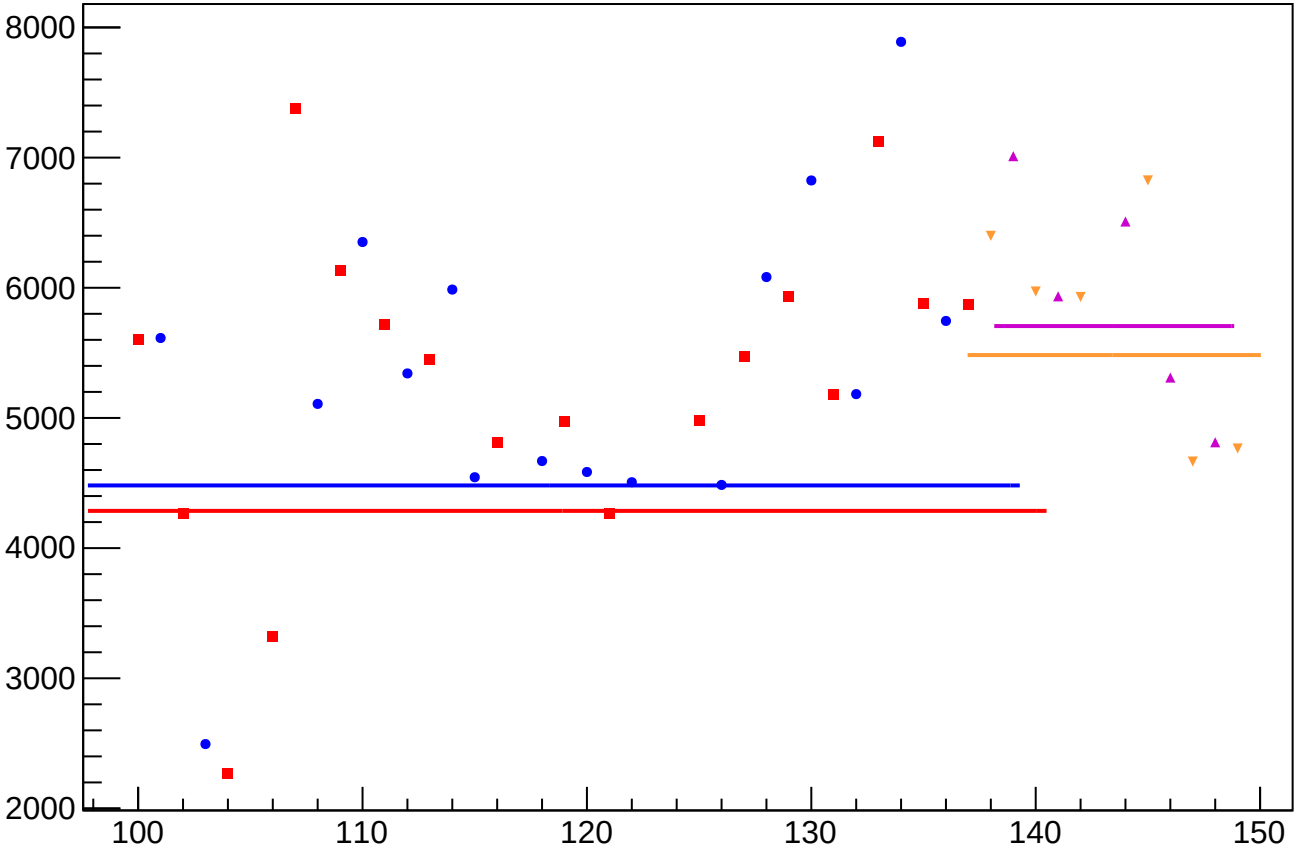
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -367.174+/-1483.193 χ^2/NDF:16.6/20

Out: 1281.160+/-1426.155 χ^2/NDF:23.8/23

All: 489.296+/-1028.017 χ^2/NDF: 41.1/44

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: 5483.134+/-1.847 χ^2/NDF:198560.7/5

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5705.850+/-1.954 χ^2/NDF:155623.5/4

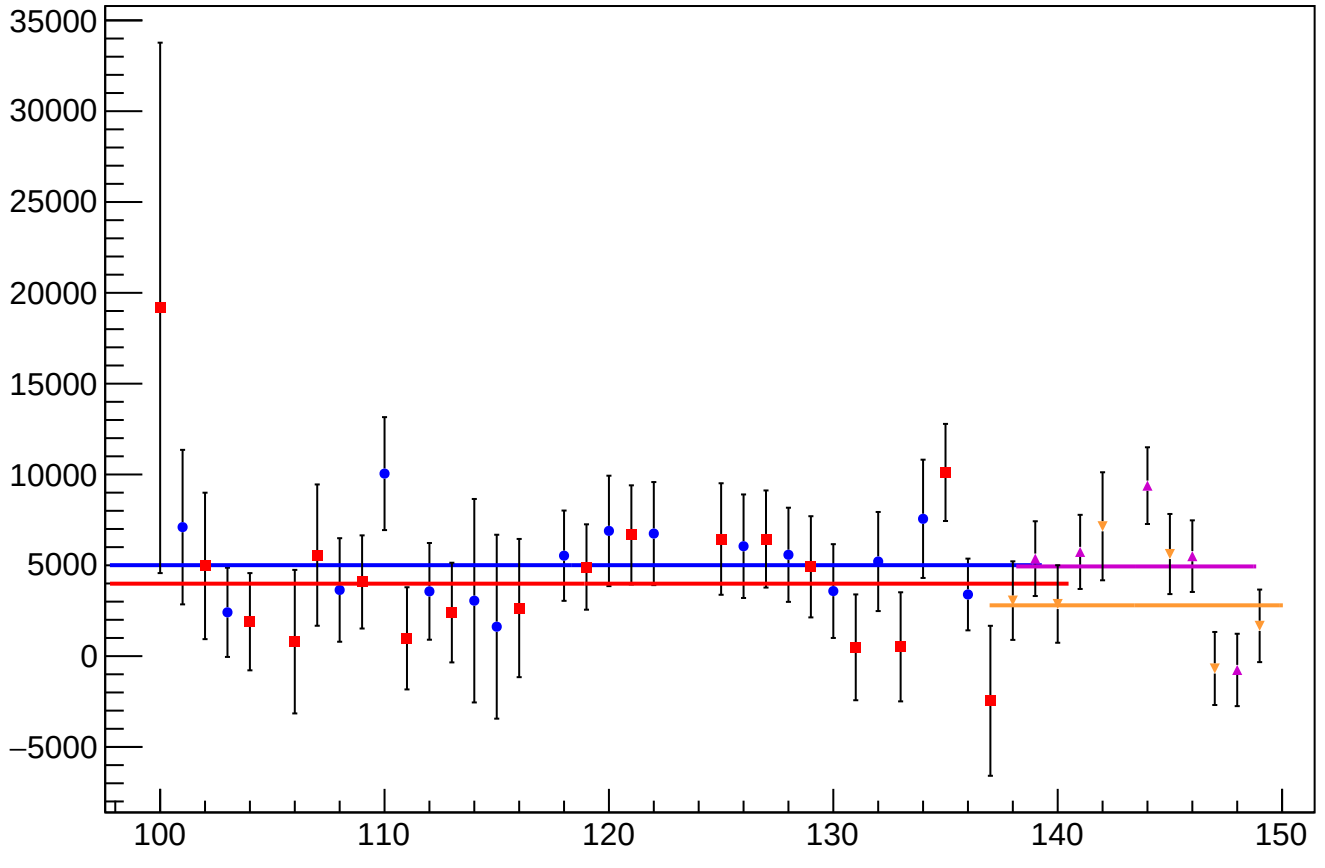
Left: 5588.206+/-1.342 χ^2/NDF: 361046.9/10

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4834.249+/-1.049 χ^2/NDF:1797387.4/20

Out: 4643.122+/-1.008 χ^2/NDF:2043294.1/23

All: 4734.940+/-0.727 χ^2/NDF: 3857937.6/44



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2797.506+/-894.269 χ^2/NDF:7.1/5

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: 3850.017+/-637.562 χ^2/NDF: 22.8/10

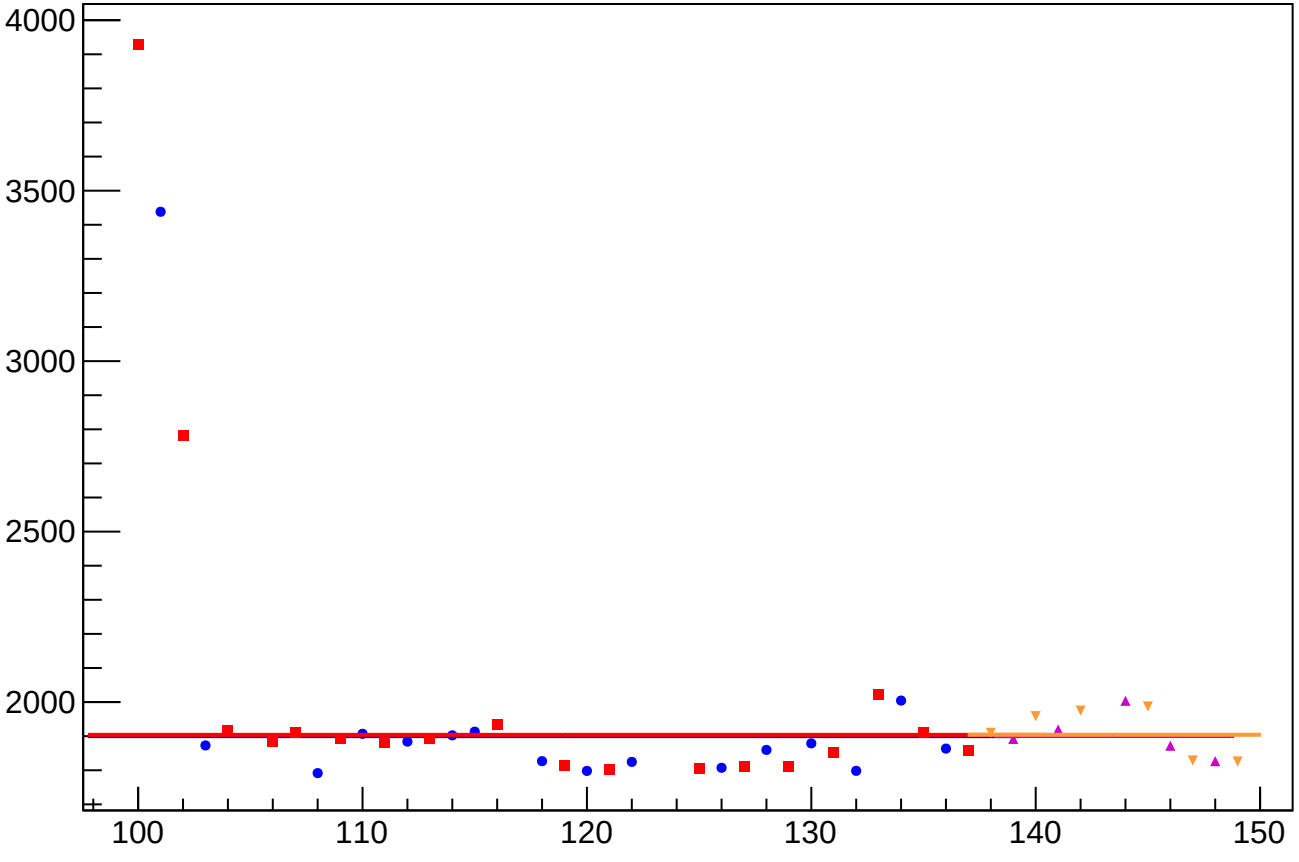
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4980.871+/-561.576 χ^2/NDF:20.6/20

Out: 3521.288+/-560.359 χ^2/NDF:25.6/23

All: 4249.497+/-396.663 χ^2/NDF: 49.5/44

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: 1904.116+/-0.632 χ^2/NDF:11183.0/5

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: 1902.274+/-0.451 χ^2/NDF: 19351.8/10

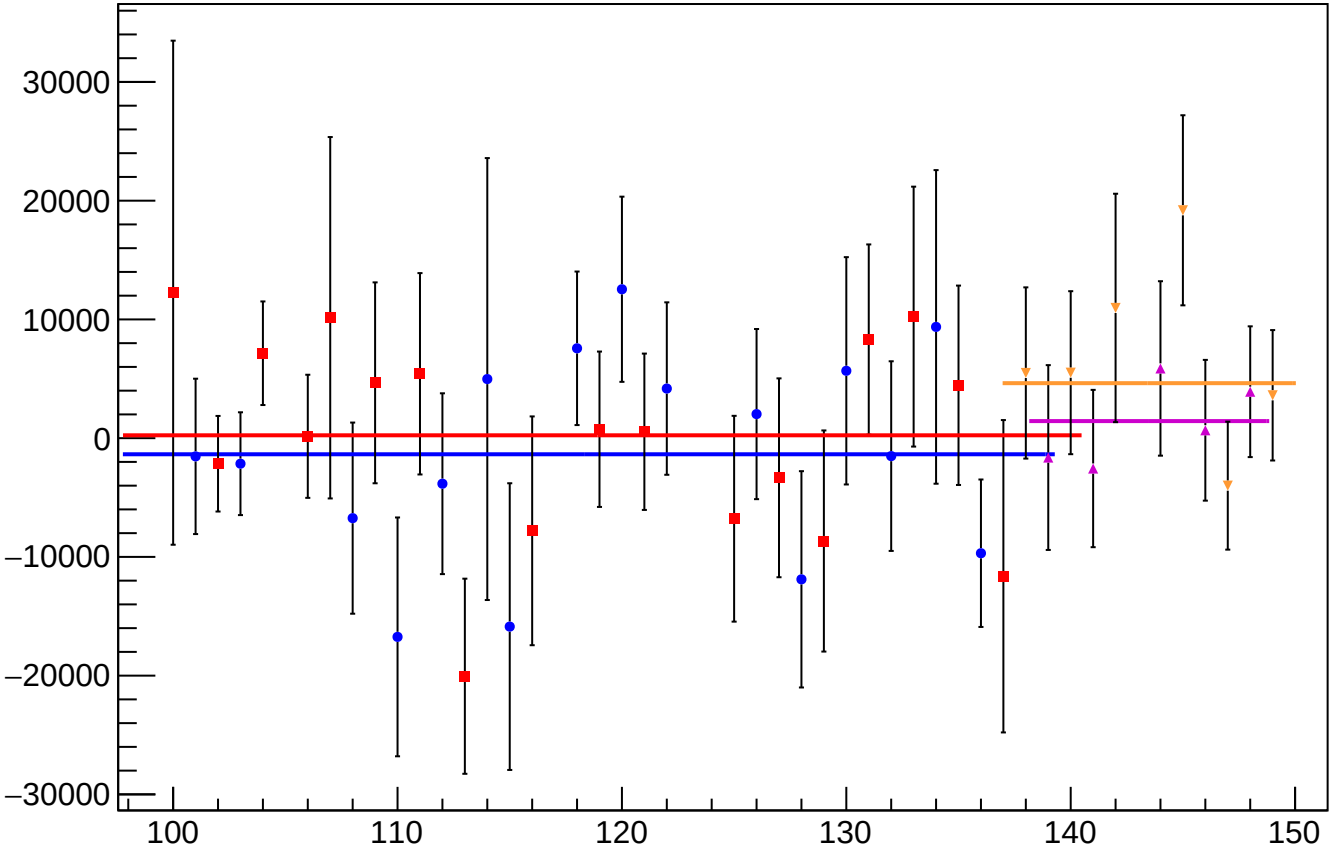
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1900.210+/-0.397 χ^2/NDF:286599.8/20

Out: 1903.940+/-0.396 χ^2/NDF:161299.0/23

All: 1902.080+/-0.280 χ^2/NDF: 447943.0/44

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 4631.402+/-2727.044 χ^2/NDF:6.4/5

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1437.634+/-2895.500 χ^2/NDF:1.1/4

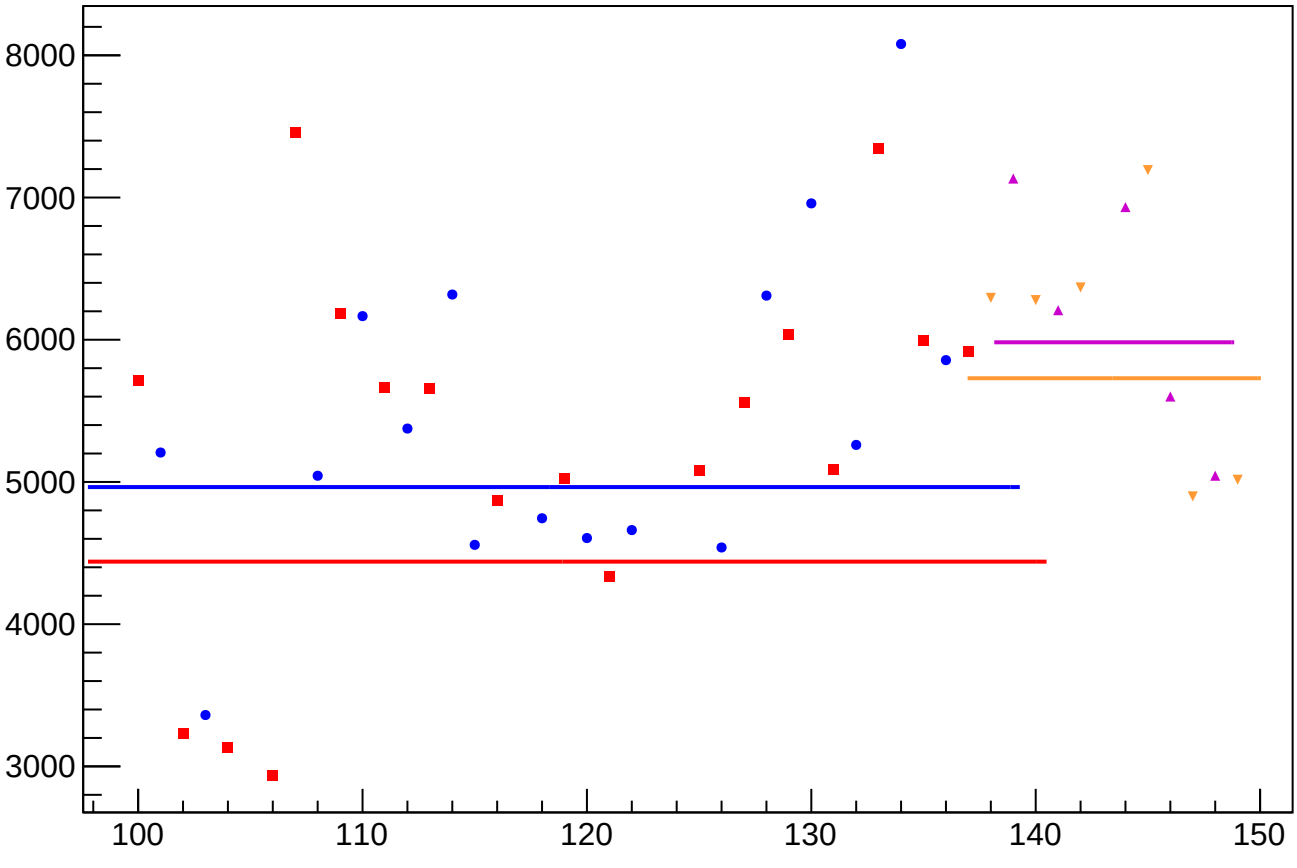
Left: 3130.120+/-1985.194 χ^2/NDF: 8.1/10

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -518.067+/-1586.188 χ^2/NDF:16.5/20

Out: 1482.981+/-1450.368 χ^2/NDF:24.0/23

All: 571.782+/-1070.367 χ^2/NDF: 41.3/44



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5729.289+/-1.928 χ^2/NDF:182075.1/5

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5981.986+/-2.047 χ^2/NDF:145931.0/4

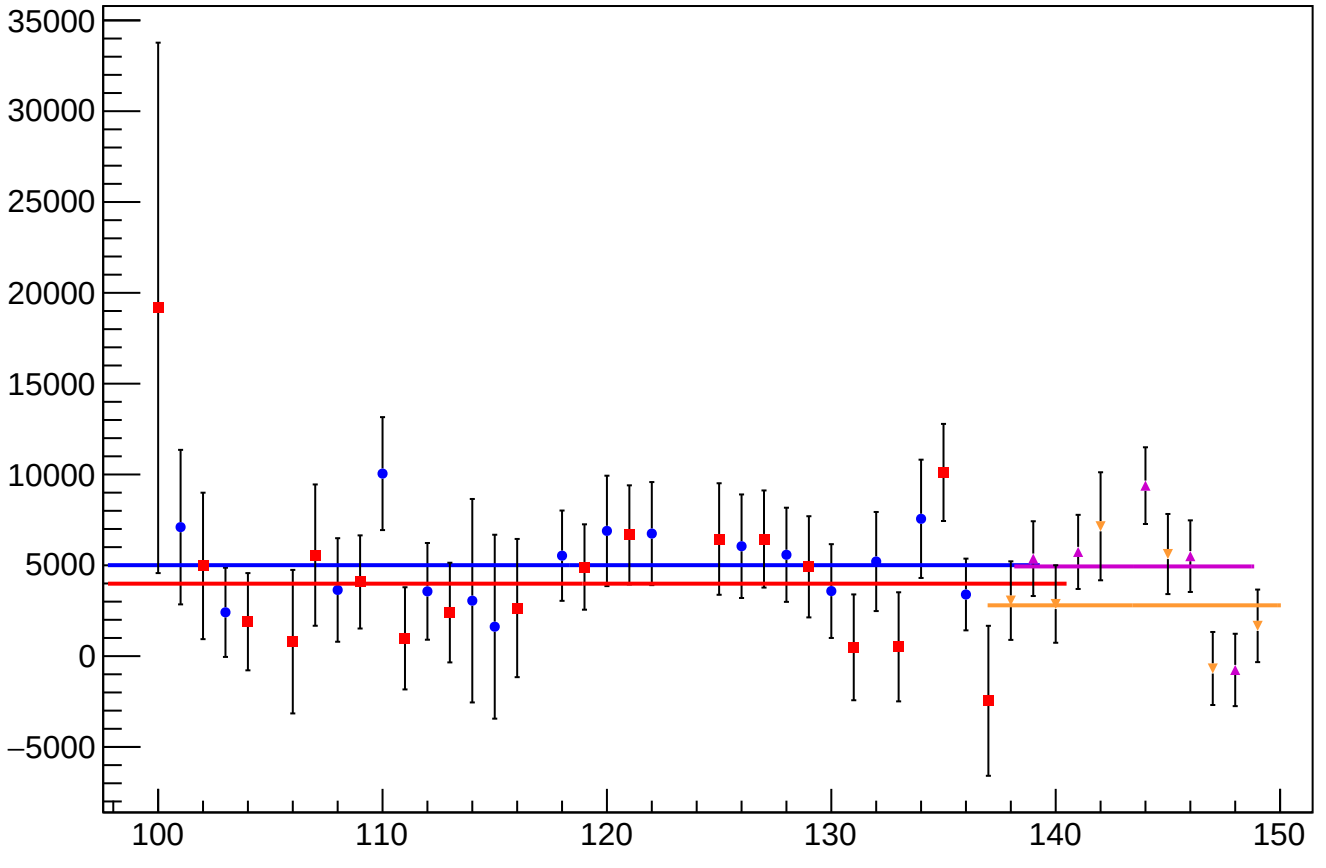
Left: 5848.073+/-1.404 χ^2/NDF: 336078.6/10

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5269.494+/-1.122 χ^2/NDF:946331.8/20

Out: 4804.456+/-1.026 χ^2/NDF:1661337.1/23

All: 5016.216+/-0.757 χ^2/NDF: 2701297.2/44



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2797.516+/-894.270 χ^2/NDF:7.1/5

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4937.993+/-909.214 χ^2/NDF:12.9/4

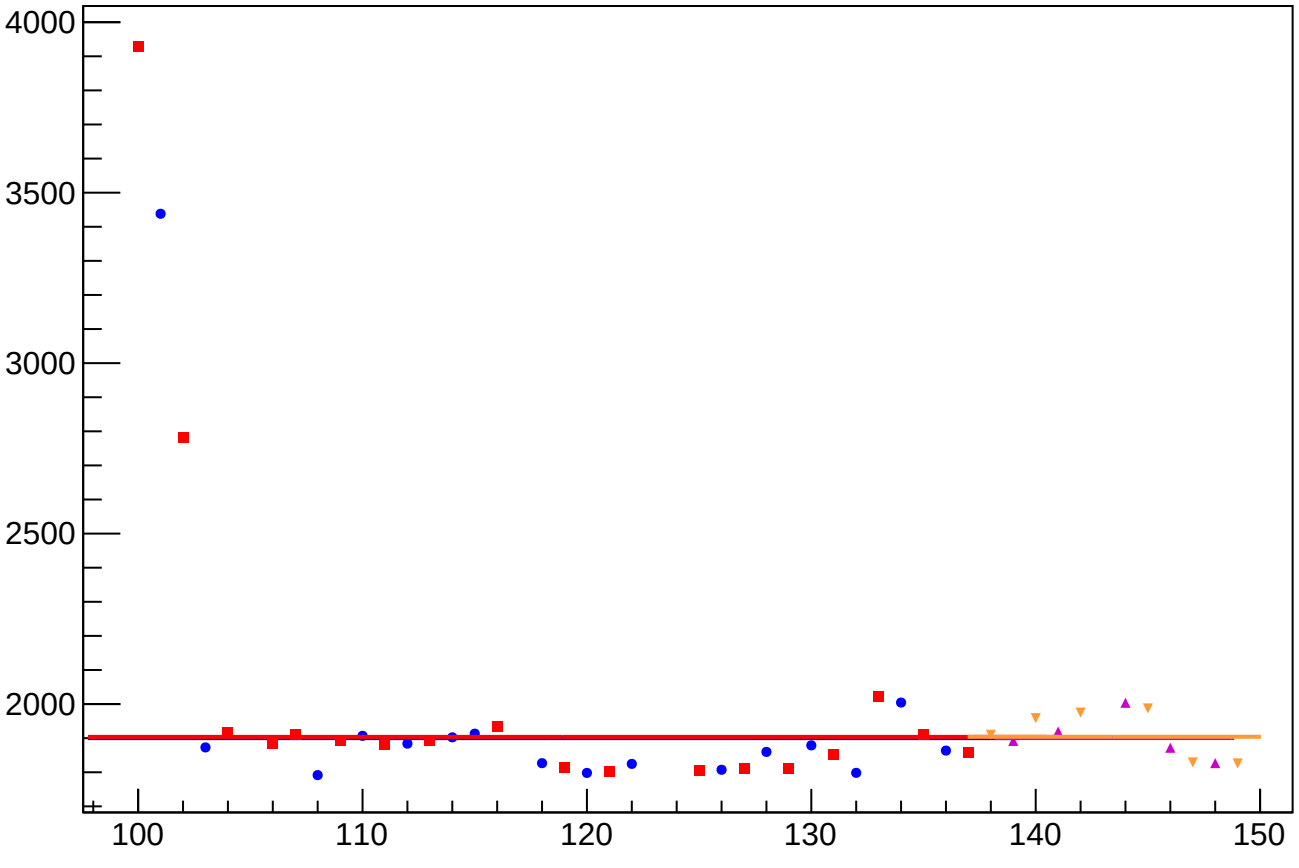
Left: 3850.020+/-637.562 χ^2/NDF: 22.8/10

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4980.868+/-561.576 χ^2/NDF:20.6/20

Out: 3521.292+/-560.359 χ^2/NDF:25.6/23

All: 4249.497+/-396.663 χ^2/NDF: 49.5/44



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1904.117+/-0.632 χ^2/NDF:11183.2/5

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1900.371+/-0.643 χ^2/NDF:8151.6/4

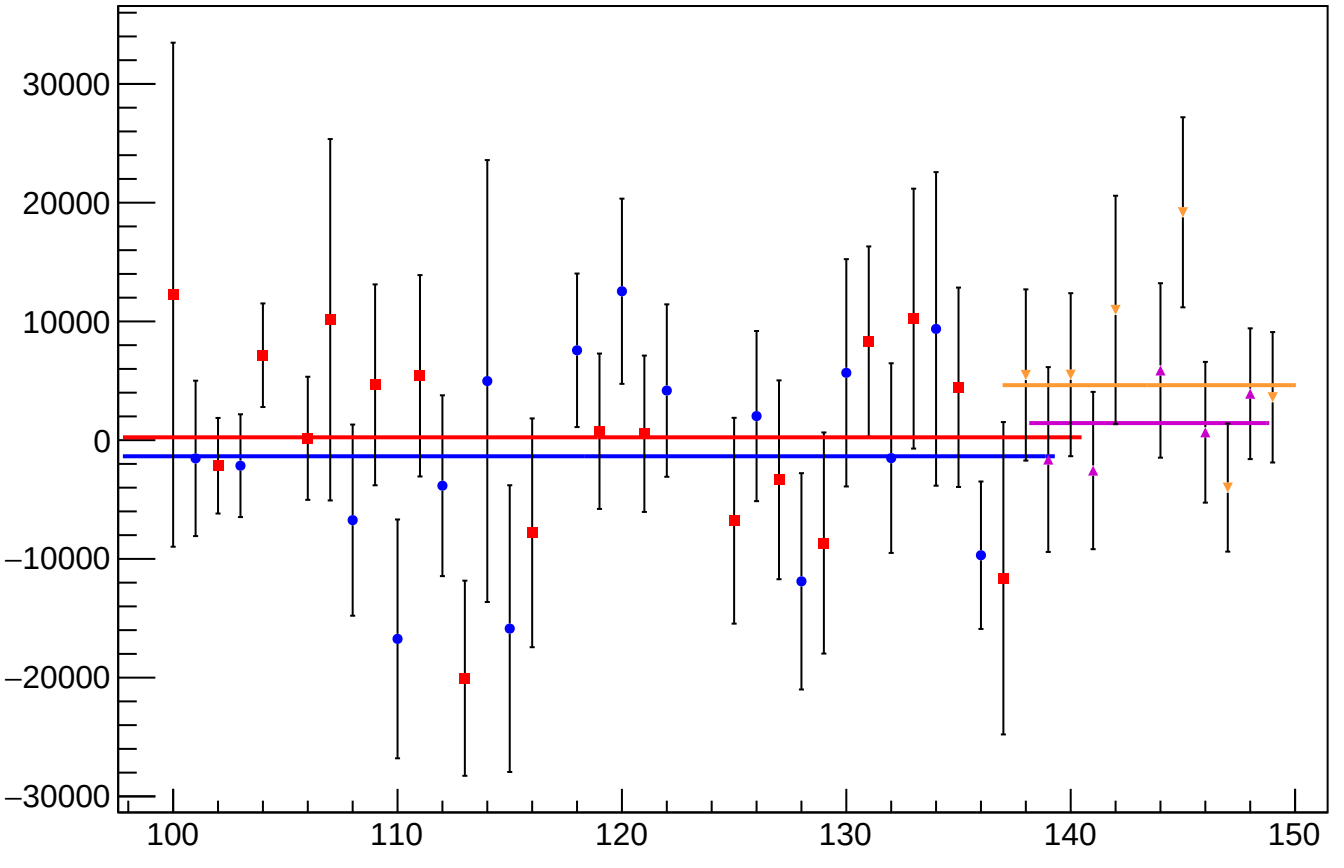
Left: 1902.275+/-0.451 χ^2/NDF: 19352.1/10

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1900.210+/-0.397 χ^2/NDF:286600.1/20

Out: 1903.940+/-0.396 χ^2/NDF:161298.5/23

All: 1902.080+/-0.280 χ^2/NDF: 447942.9/44



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 4631.404+/-2727.048 χ^2/NDF:6.4/5

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 1437.629+/-2895.504 χ^2/NDF:1.1/4

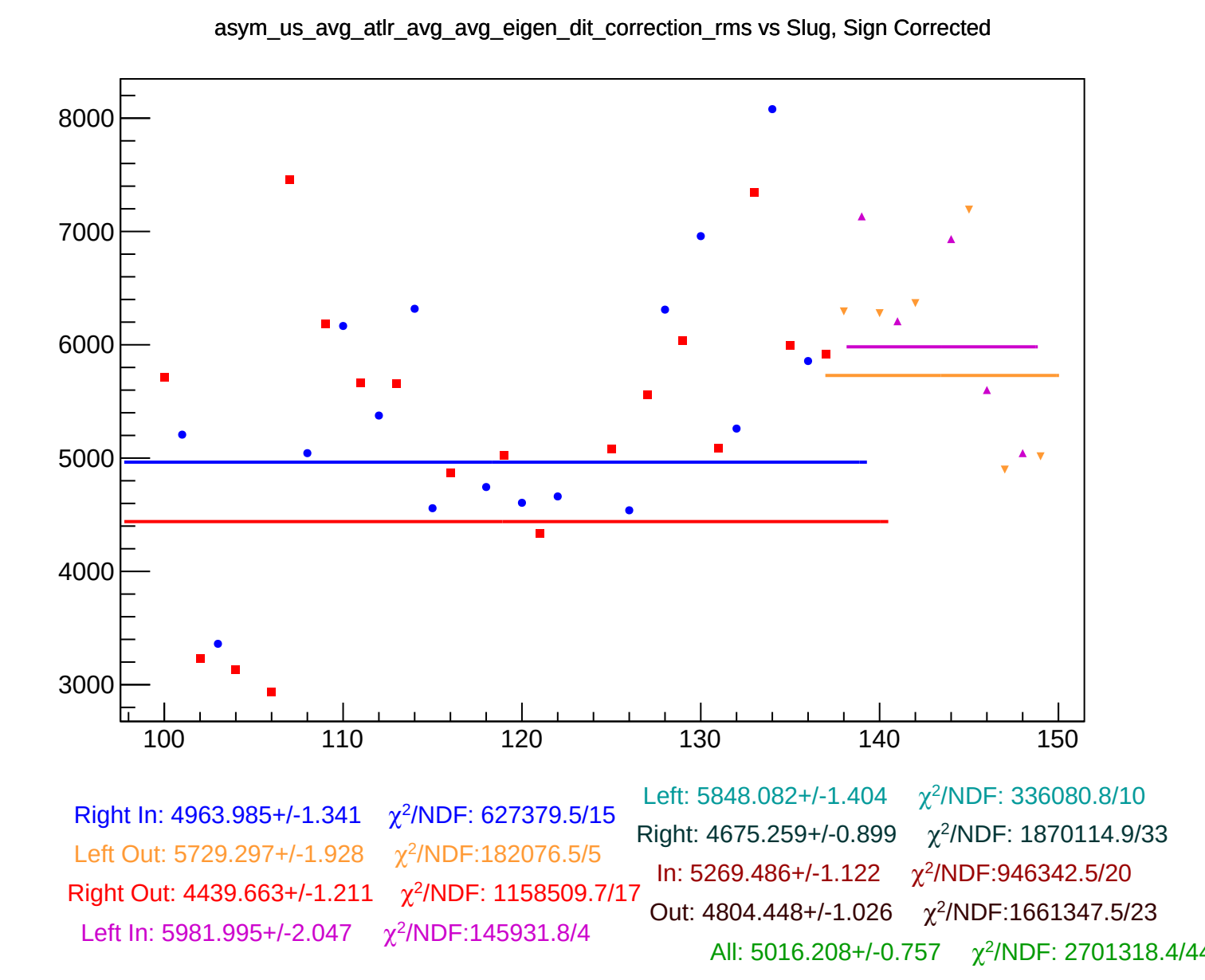
Left: 3130.119+/-1985.197 χ^2/NDF: 8.1/10

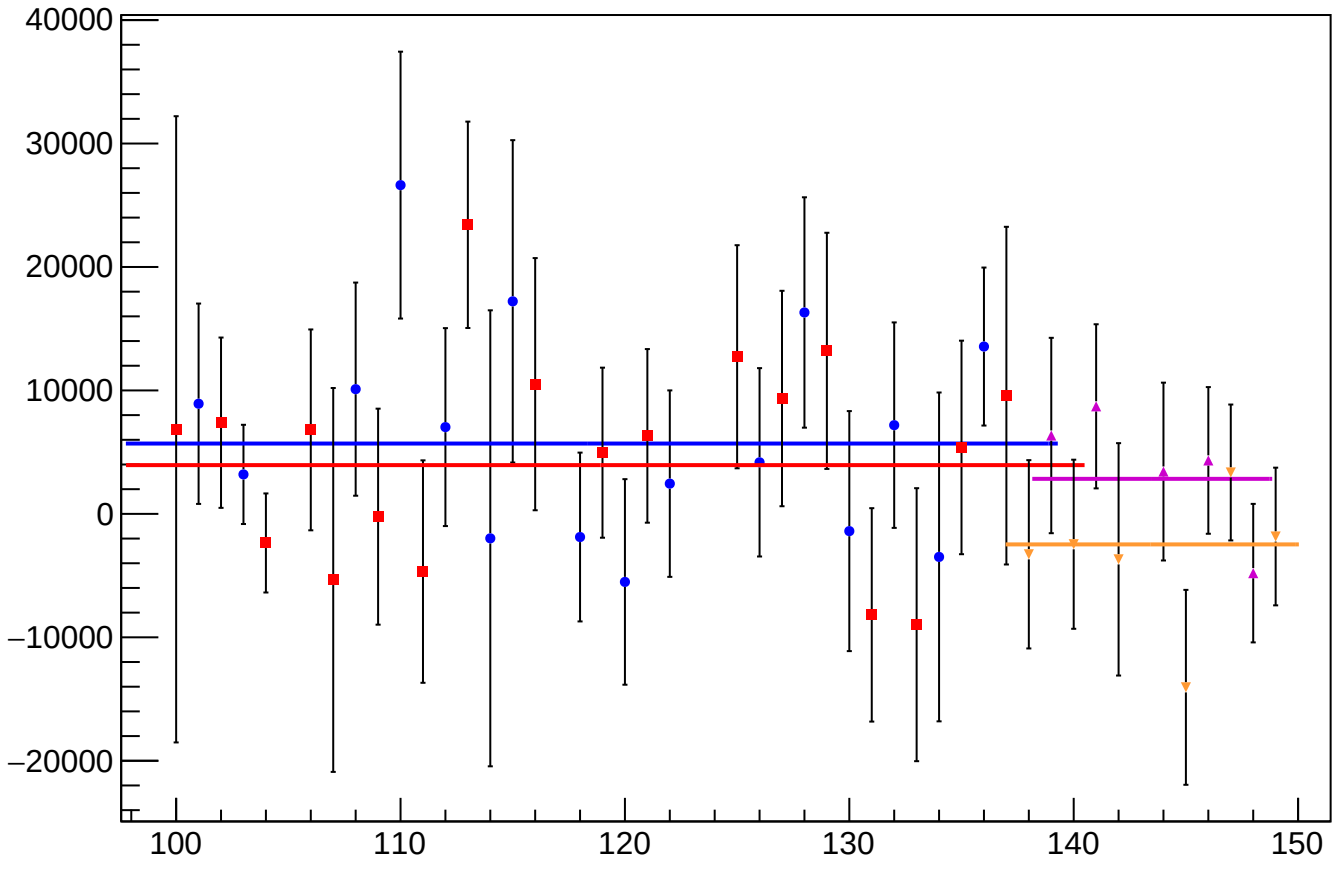
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -518.066+/-1586.186 χ^2/NDF:16.5/20

Out: 1482.976+/-1450.366 χ^2/NDF:24.0/23

All: 571.779+/-1070.365 χ^2/NDF: 41.3/44


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: 5729.297+/-1.928 χ²/NDF:182076.5/5
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 5981.995+/-2.047 χ²/NDF:145931.8/4
Left: 5848.082+/-1.404 χ²/NDF: 336080.8/10
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5269.486+/-1.122 χ²/NDF:946342.5/20
Out: 4804.448+/-1.026 χ²/NDF:1661347.5/23
All: 5016.208+/-0.757 χ²/NDF: 2701318.4/44



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -2473.054+/-2762.750 χ^2/NDF:3.3/5

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2837.479+/-2911.301 χ^2/NDF:2.9/4

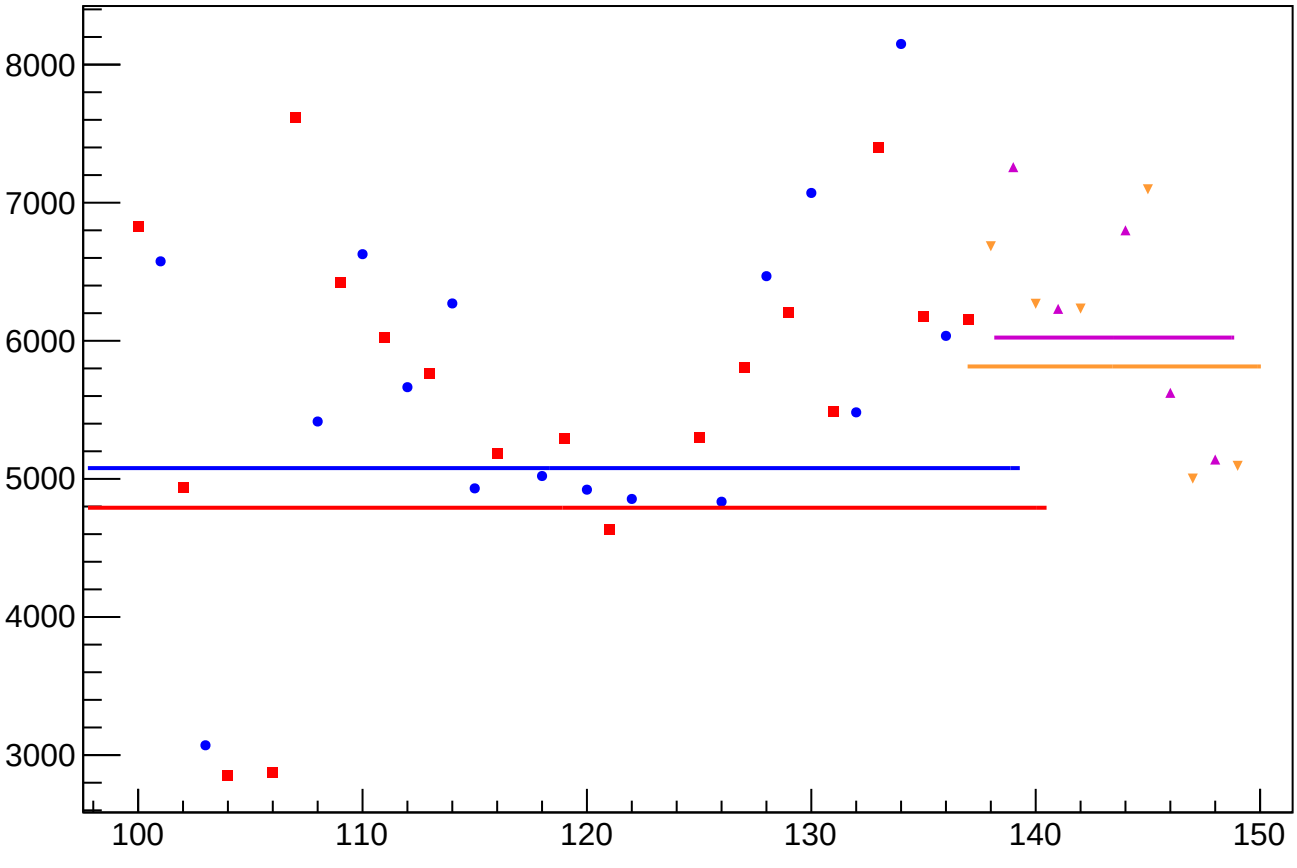
Left: 43.275+/-2004.018 χ^2/NDF: 8.0/10

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4805.794+/-1625.421 χ^2/NDF:16.2/20

Out: 1856.895+/-1576.972 χ^2/NDF:23.1/23

All: 3286.740+/-1131.828 χ^2/NDF: 41.0/44



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 5814.183+/-1.954 χ^2/NDF:168433.6/5

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6023.381+/-2.059 χ^2/NDF:132489.1/4

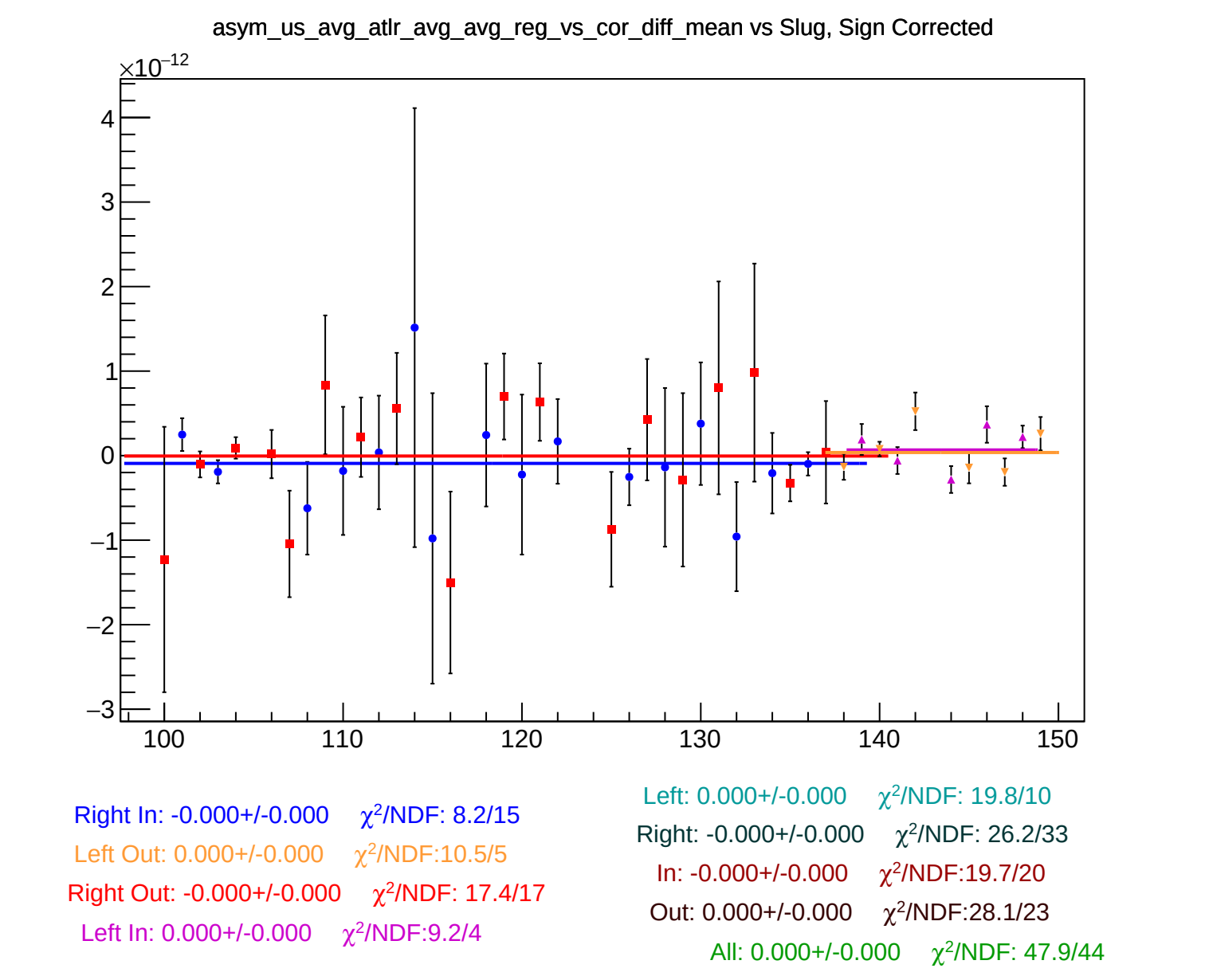
Left: 5913.309+/-1.417 χ^2/NDF: 306356.3/10

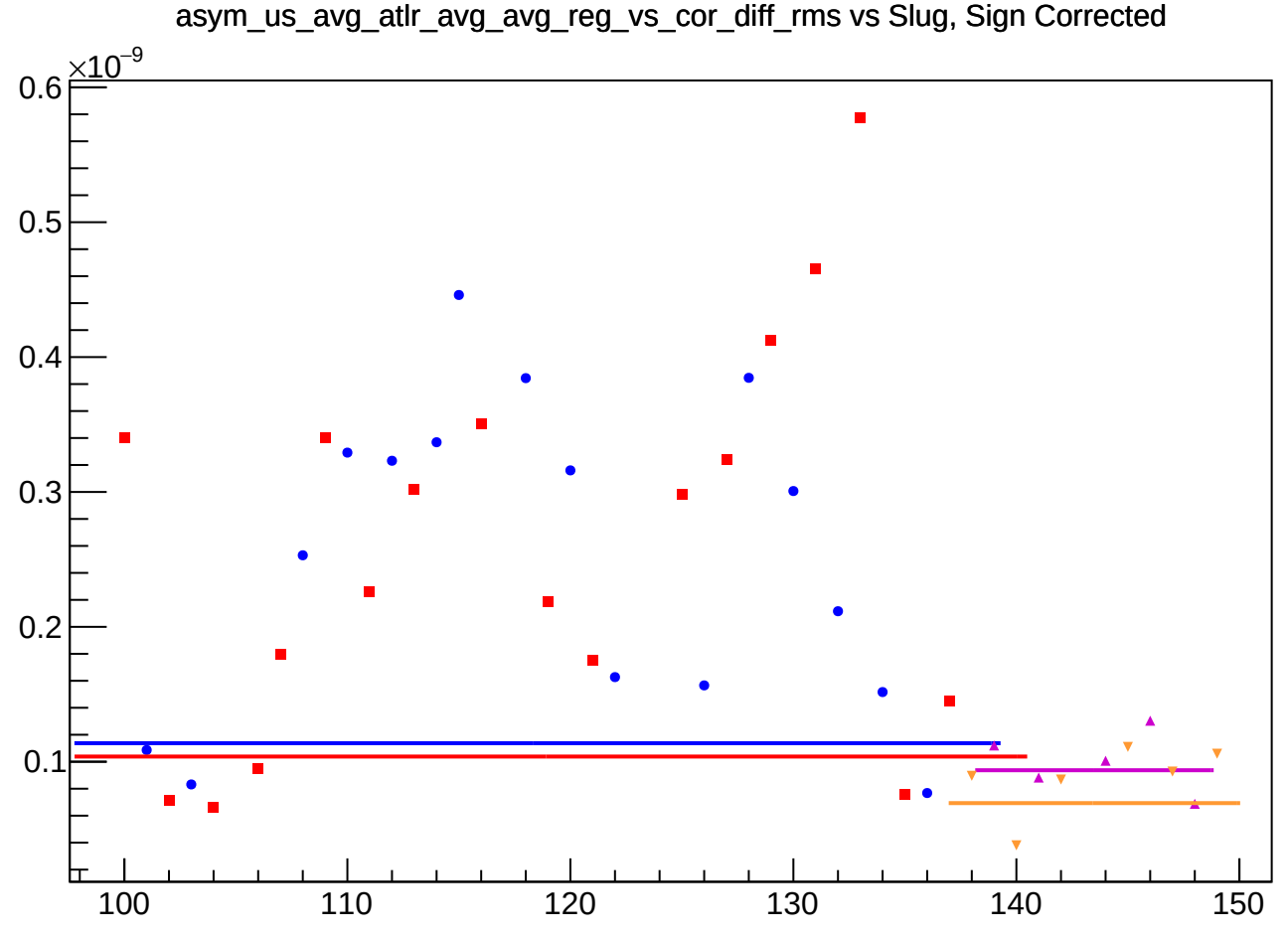
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5372.791+/-1.149 χ^2/NDF:1196809.0/20

Out: 5115.389+/-1.100 χ^2/NDF:1518209.0/23

All: 5238.423+/-0.795 χ^2/NDF: 2741200.7/44


asym_us_avg_atlr_avg_avg_reg_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: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:9.2/4
Left: 0.000+/-0.000 χ²/NDF: 19.8/10
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:19.7/20
Out: 0.000+/-0.000 χ²/NDF:28.1/23
All: 0.000+/-0.000 χ²/NDF: 47.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:524560.3/5

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: 813446.7/10

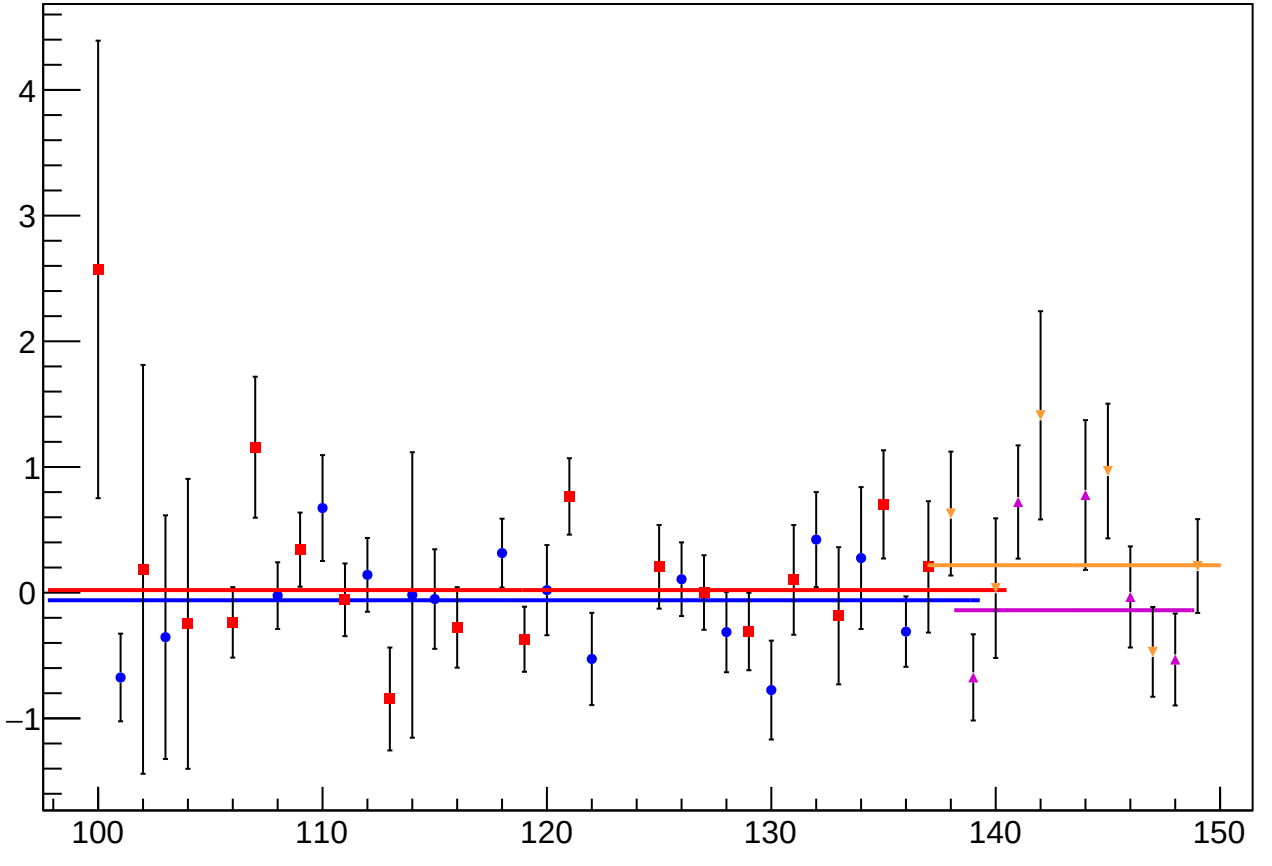
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1749065.4/20

Out: 0.000+/-0.000 χ^2/NDF:2866007.7/23

All: 0.000+/-0.000 χ^2/NDF: 4793511.2/44

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.218+/-0.191 χ^2/NDF:8.6/5

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.140+/-0.183 χ^2/NDF:9.7/4

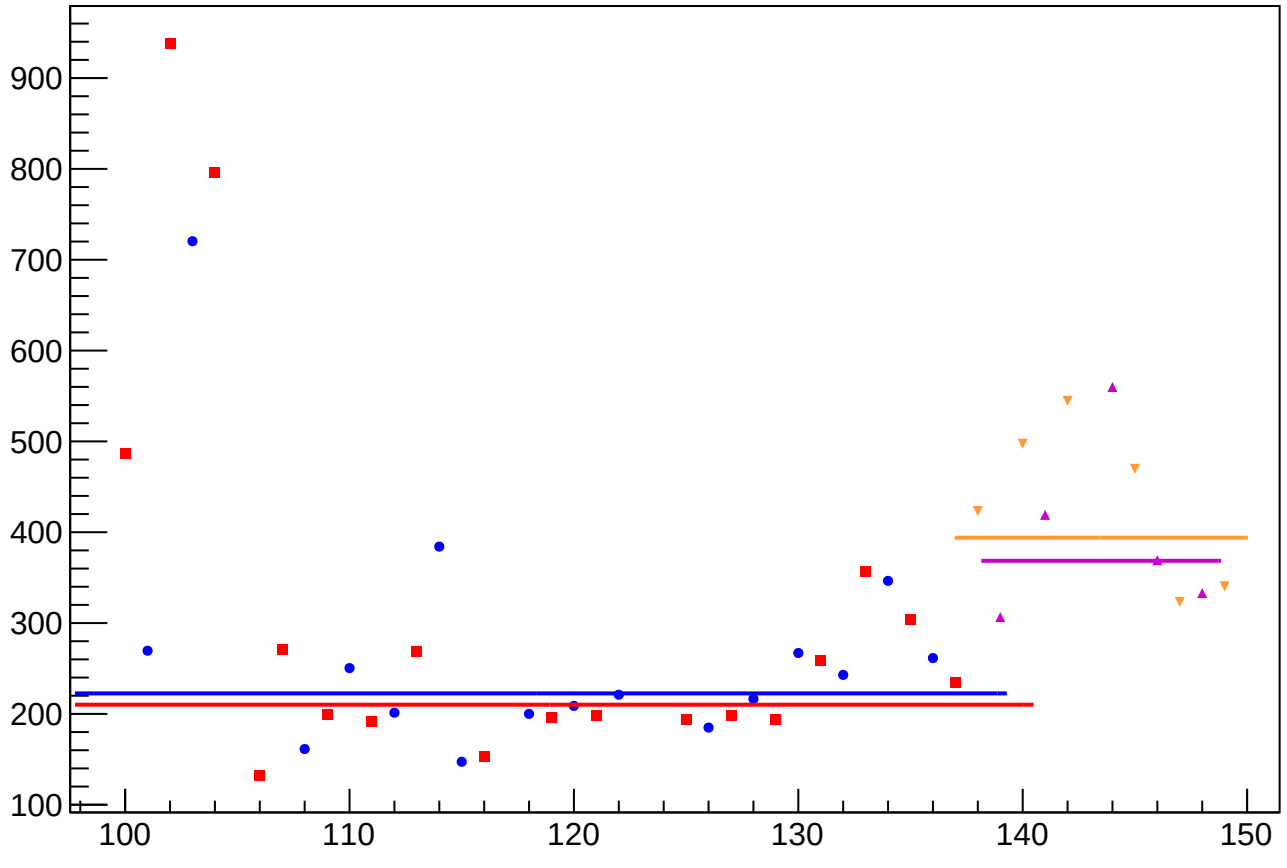
Left: 0.031+/-0.132 χ^2/NDF: 20.1/10

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.055+/-0.080 χ^2/NDF:35.6/23

All: -0.010+/-0.056 χ^2/NDF: 64.0/44



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.958+/-0.135 χ^2/NDF:302136.8/5

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: 380.683+/-0.093 χ^2/NDF: 636189.1/10

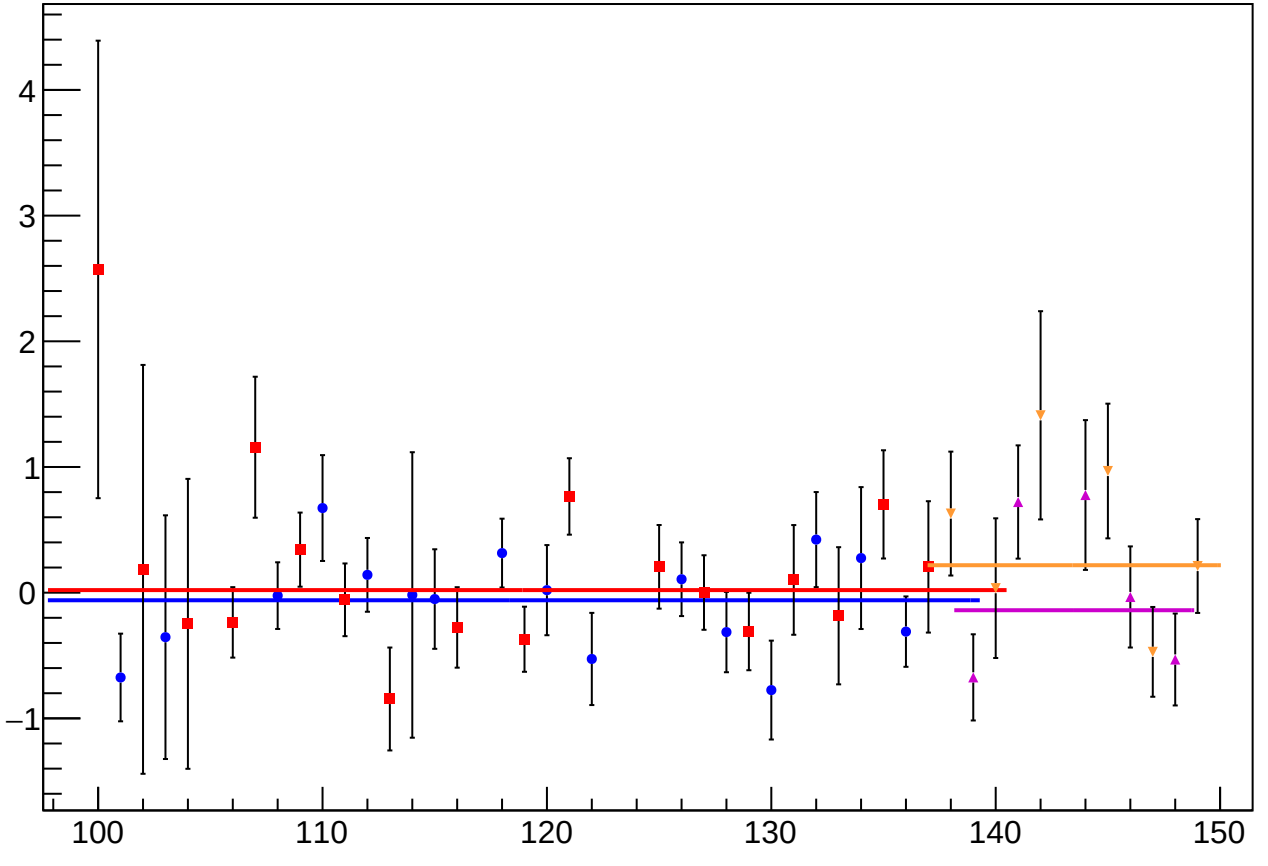
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 250.354+/-0.056 χ^2/NDF:2366538.1/20

Out: 241.872+/-0.056 χ^2/NDF:3377778.1/23

All: 246.099+/-0.040 χ^2/NDF: 5755657.1/44

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: 0.218+/-0.191 χ^2/NDF:8.6/5

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.140+/-0.183 χ^2/NDF:9.7/4

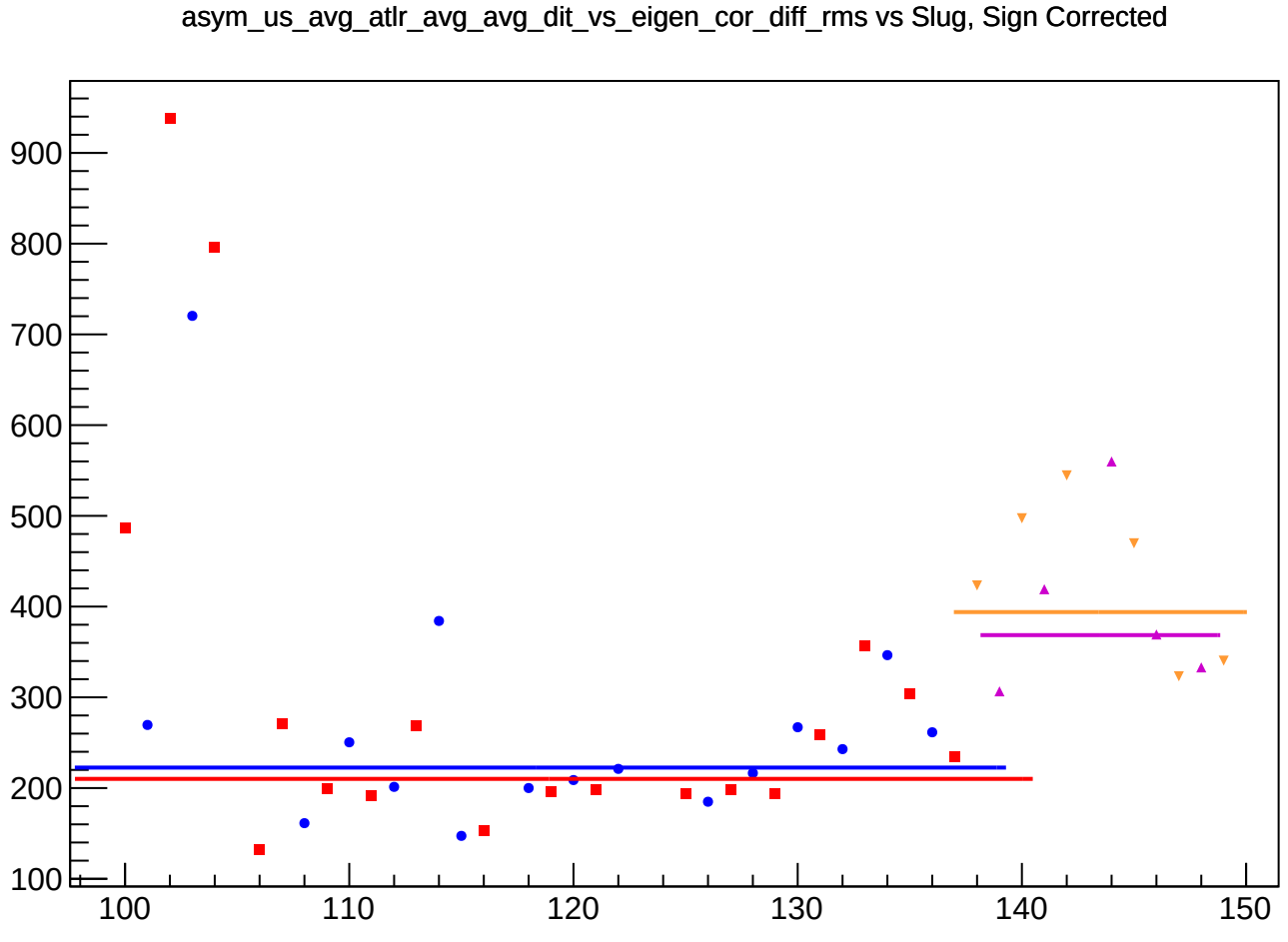
Left: 0.031+/-0.132 χ^2/NDF: 20.1/10

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.055+/-0.080 χ^2/NDF:35.6/23

All: -0.010+/-0.056 χ^2/NDF: 64.0/44



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.958+/-0.135 χ^2/NDF:302136.8/5

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 368.560+/-0.129 χ^2/NDF:315635.8/4

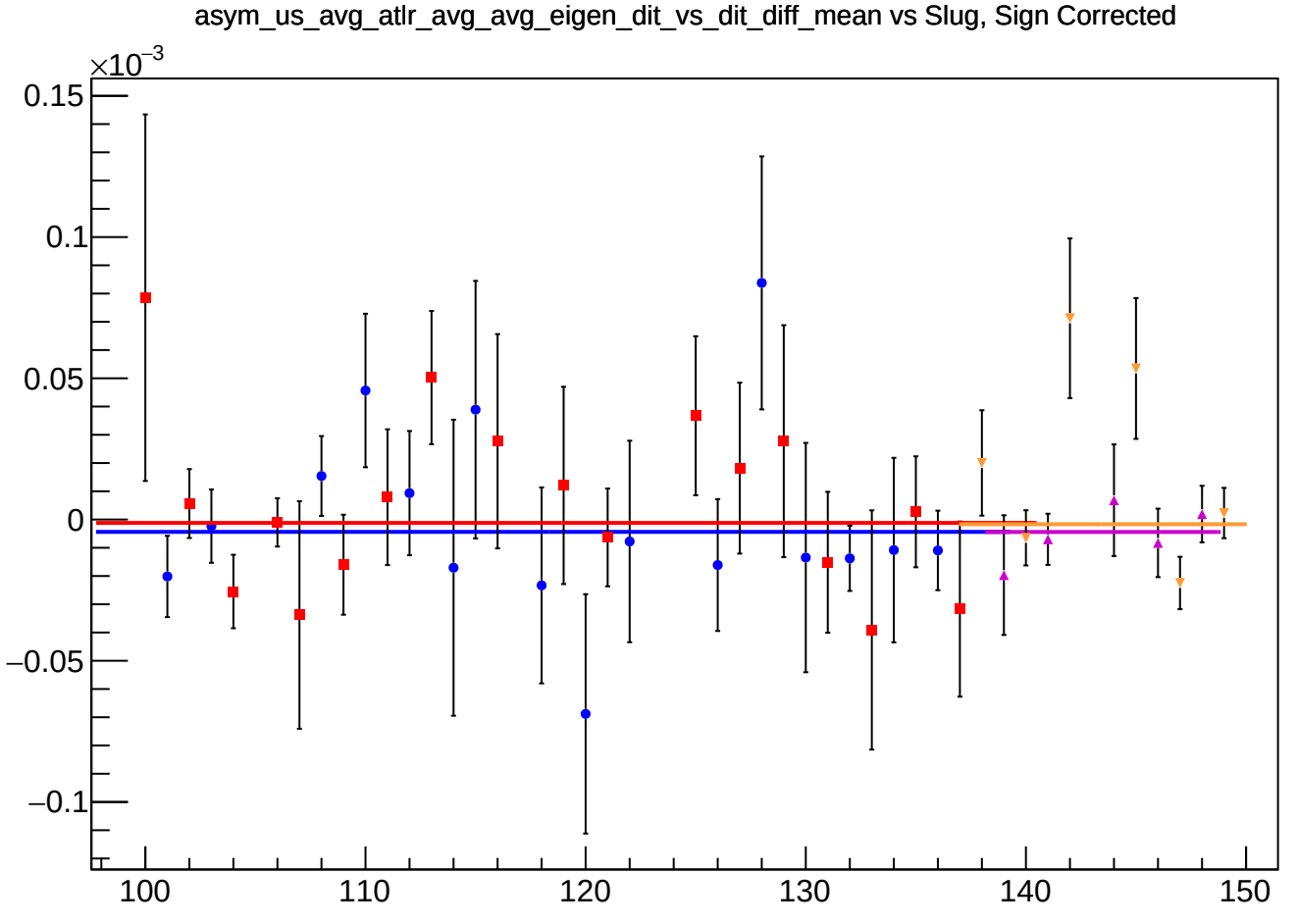
Left: 380.683+/-0.093 χ^2/NDF: 636189.1/10

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 250.354+/-0.056 χ^2/NDF:2366538.1/20

Out: 241.872+/-0.056 χ^2/NDF:3377778.1/23

All: 246.099+/-0.040 χ^2/NDF: 5755657.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/4

Left: -0.000+/-0.000 χ^2/NDF: 19.9/10

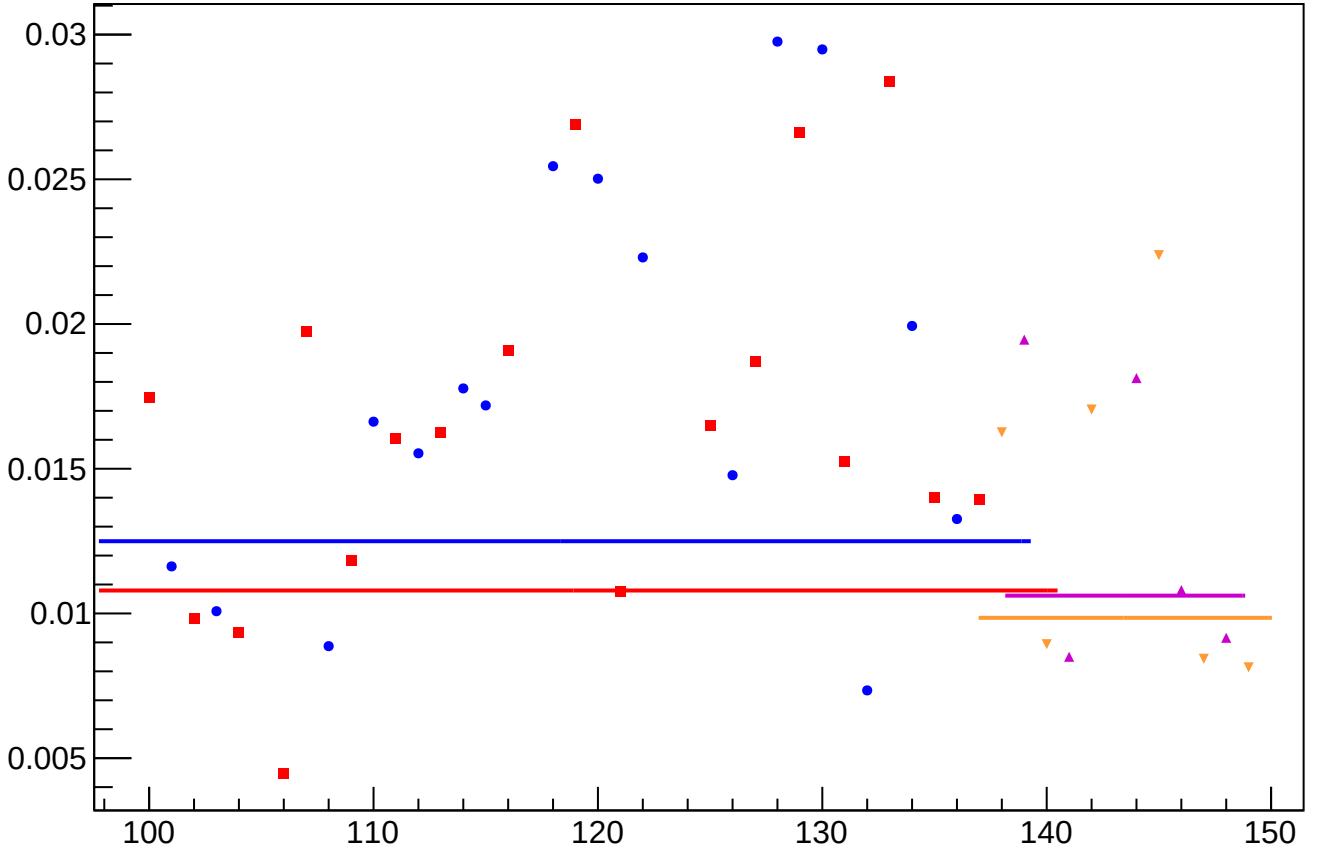
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:17.1/20

Out: -0.000+/-0.000 χ^2/NDF:35.6/23

All: -0.000+/-0.000 χ^2/NDF: 53.0/44

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1008739.6/5

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: 0.010+/-0.000 χ^2/NDF: 1819561.0/10

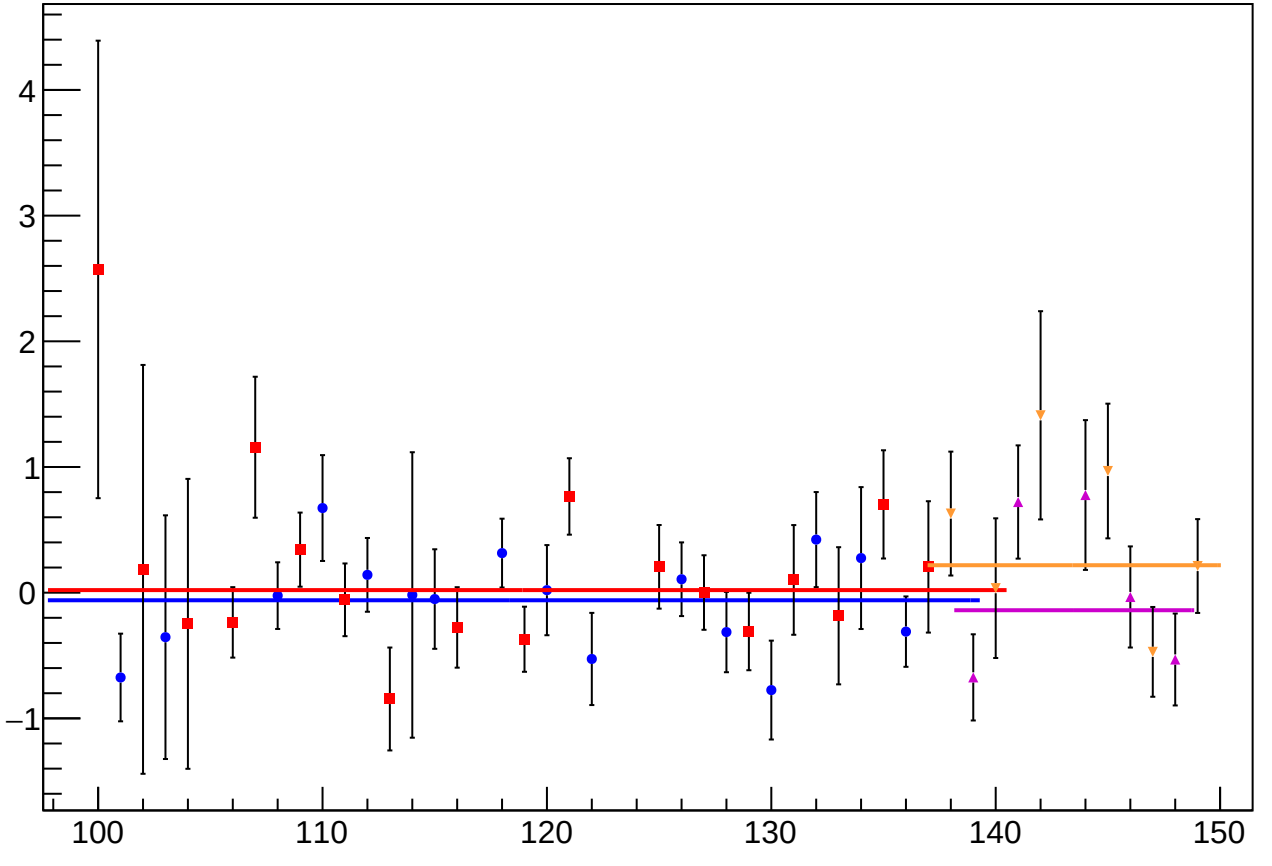
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:3031640.3/20

Out: 0.010+/-0.000 χ^2/NDF:4035537.7/23

All: 0.011+/-0.000 χ^2/NDF: 7193412.8/44

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: 0.218+/-0.191 χ^2/NDF:8.6/5

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.140+/-0.183 χ^2/NDF:9.7/4

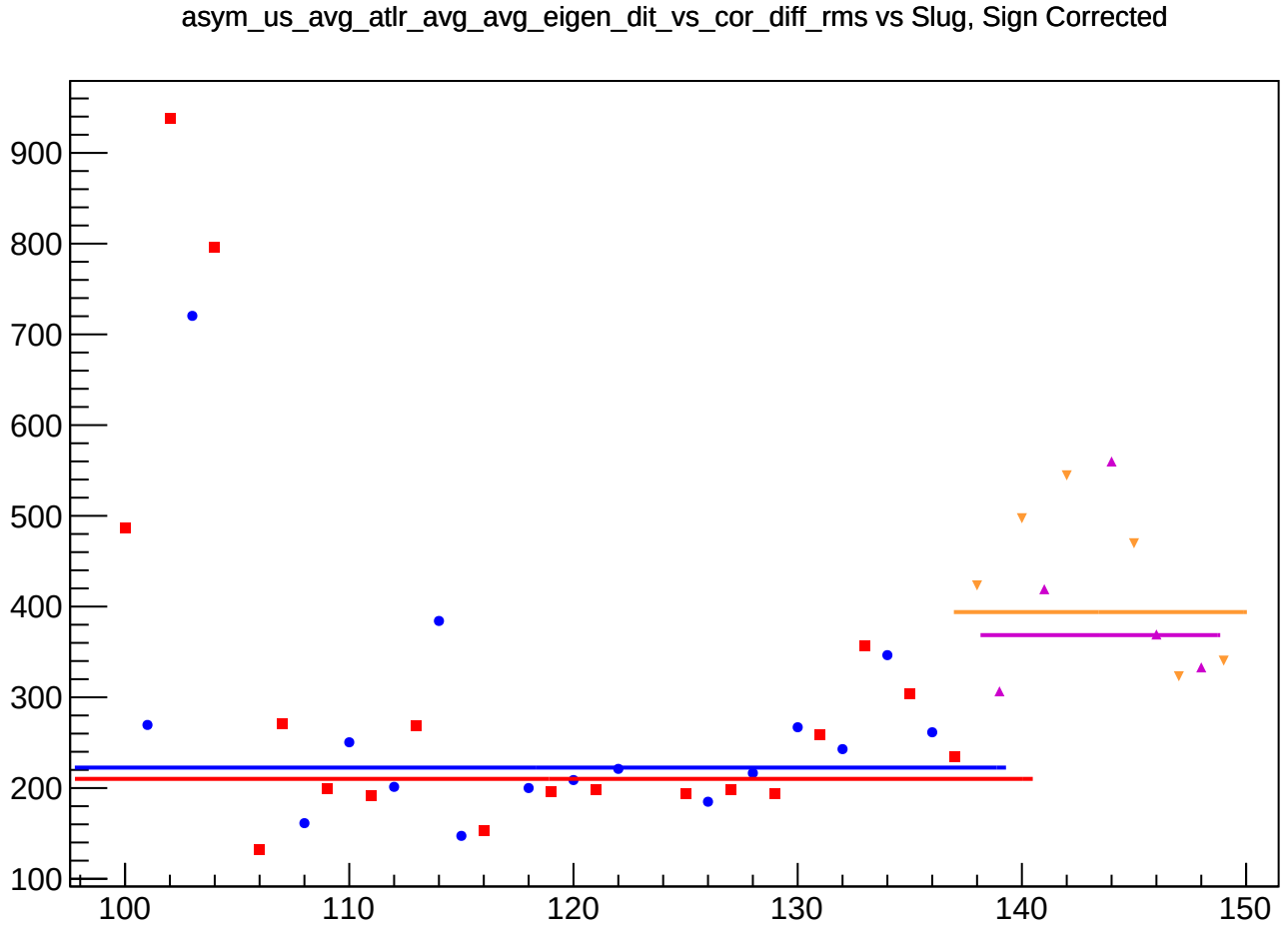
Left: 0.031+/-0.132 χ^2/NDF: 20.1/10

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.055+/-0.080 χ^2/NDF:35.6/23

All: -0.010+/-0.056 χ^2/NDF: 64.0/44



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.963+/-0.135 χ^2/NDF:302136.9/5

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: 380.688+/-0.093 χ^2/NDF: 636177.8/10

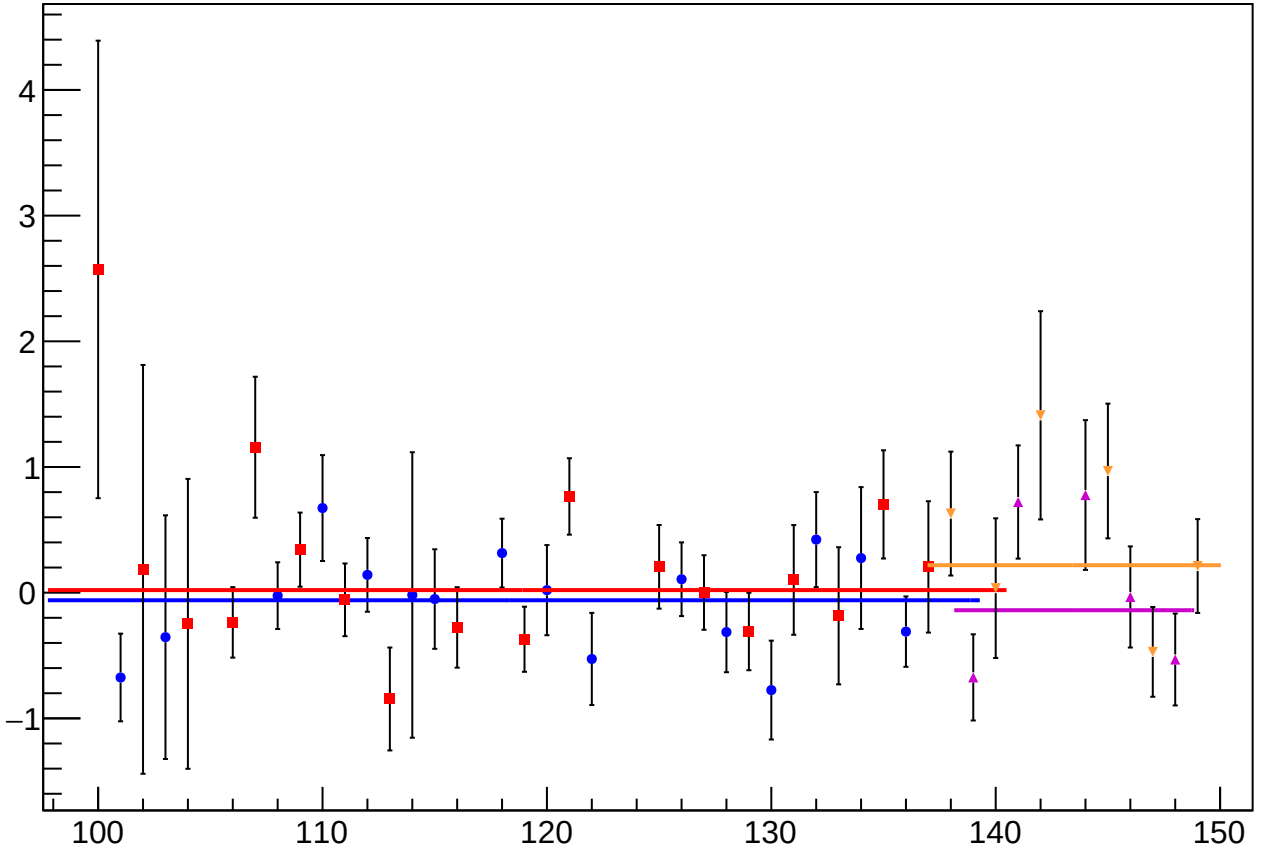
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 250.352+/-0.056 χ^2/NDF:2366596.8/20

Out: 241.869+/-0.056 χ^2/NDF:3377852.9/23

All: 246.097+/-0.040 χ^2/NDF: 5755793.9/44

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: 0.218+/-0.191 χ^2/NDF:8.6/5

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: 0.031+/-0.132 χ^2/NDF: 20.1/10

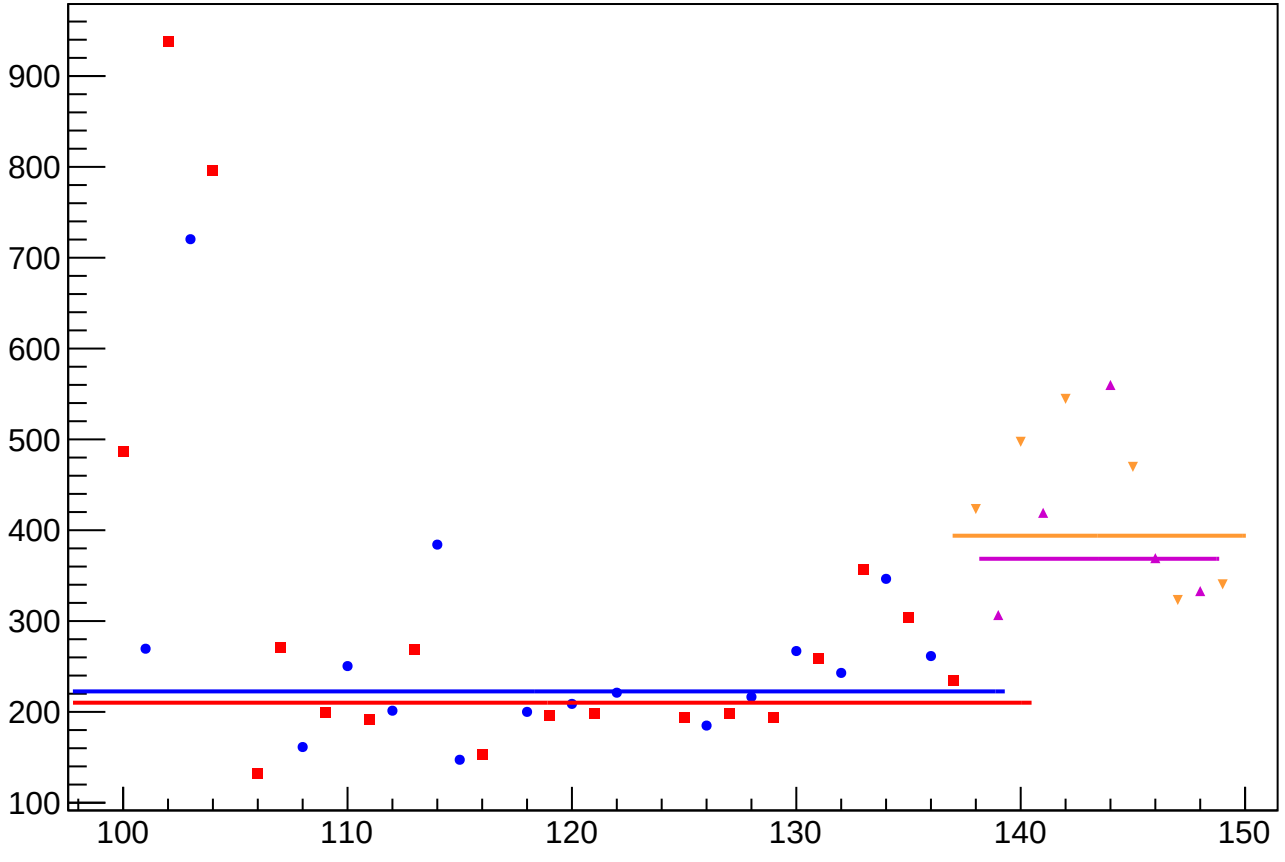
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.080 χ^2/NDF:27.1/20

Out: 0.055+/-0.080 χ^2/NDF:35.6/23

All: -0.010+/-0.056 χ^2/NDF: 64.0/44

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: 393.963+/-0.135 χ^2/NDF:302136.9/5

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 368.565+/-0.129 χ^2/NDF:315626.7/4

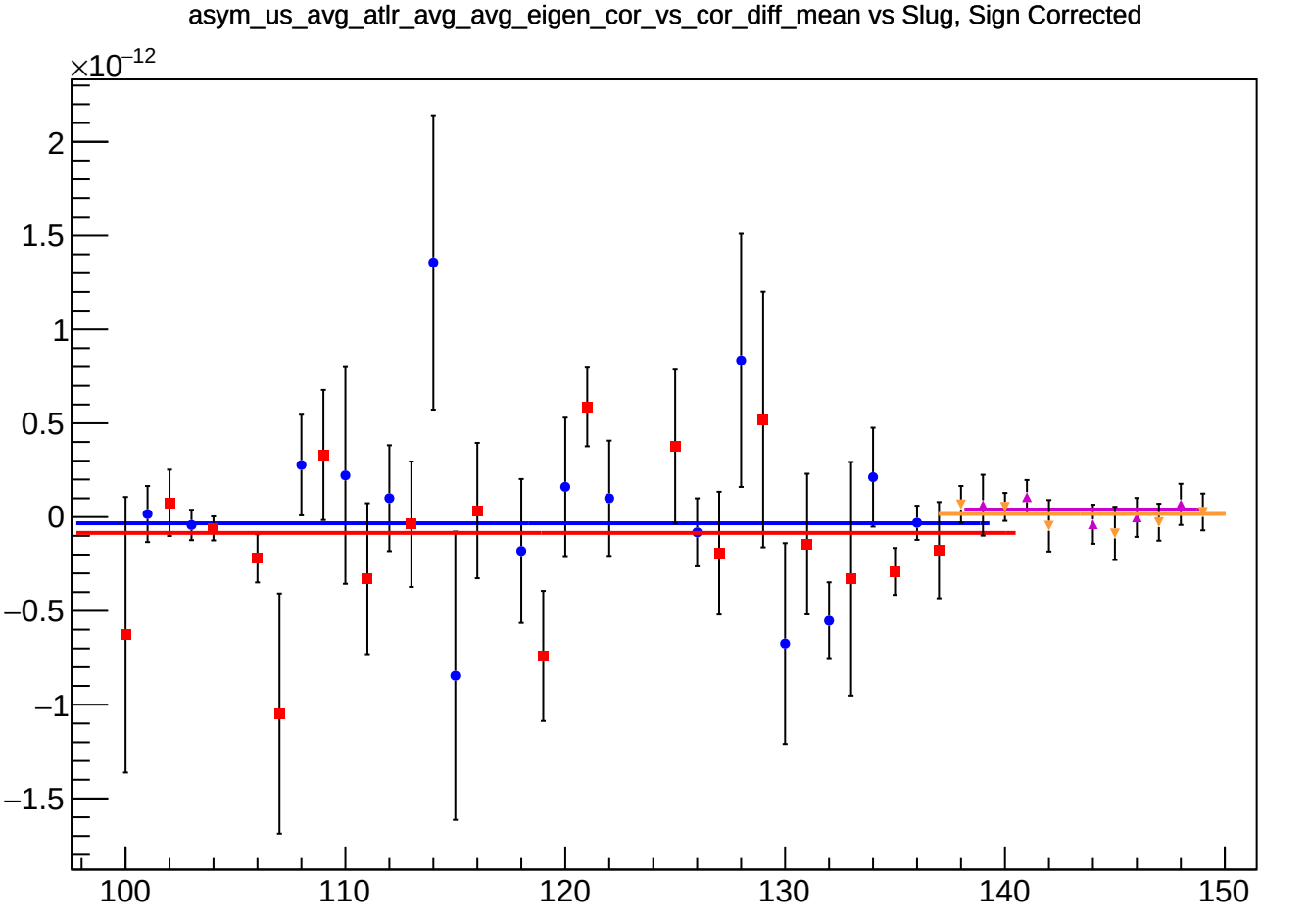
Left: 380.688+/-0.093 χ^2/NDF: 636177.8/10

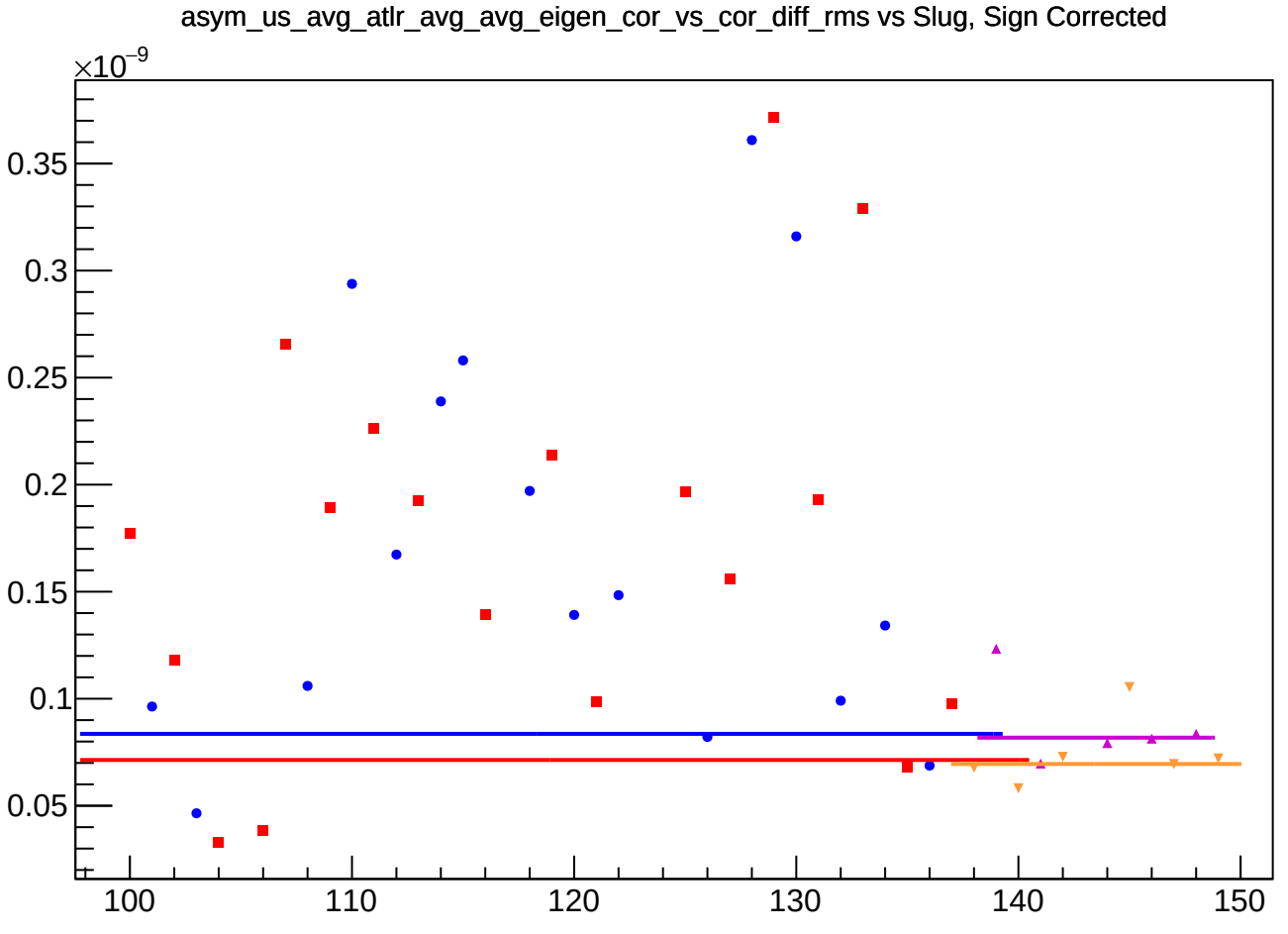
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

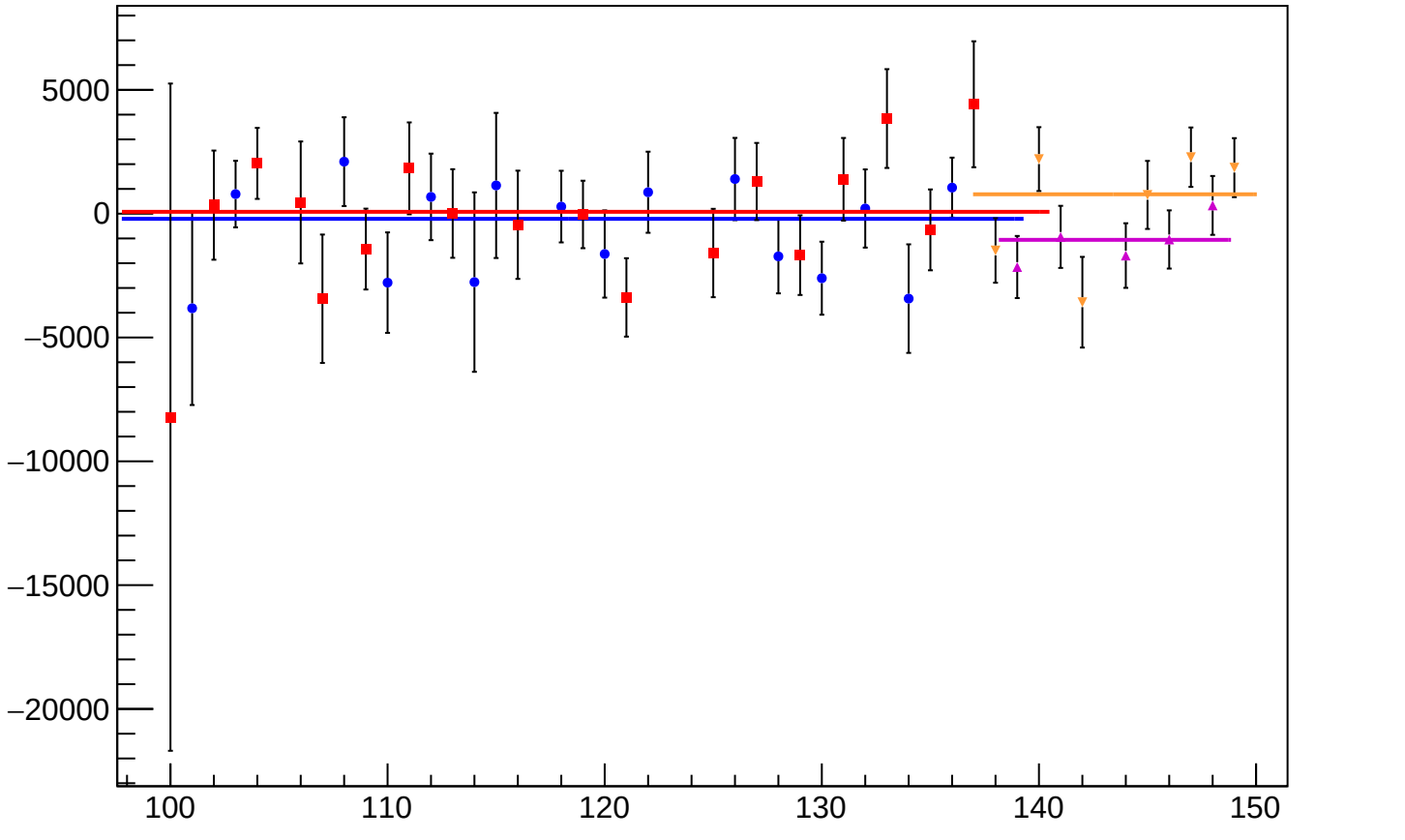
In: 250.352+/-0.056 χ^2/NDF:2366596.8/20

Out: 241.869+/-0.056 χ^2/NDF:3377852.9/23

All: 246.097+/-0.040 χ^2/NDF: 5755793.9/44


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:1.3/4
Left: 0.000+/-0.000 χ²/NDF: 3.0/10
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: 0.000+/-0.000 χ²/NDF:19.7/20
Out: -0.000+/-0.000 χ²/NDF:30.1/23
All: -0.000+/-0.000 χ²/NDF: 50.4/44


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:177998.7/5
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: 421452.1/10
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:3925113.9/23
All: 0.000+/-0.000 χ²/NDF: 6479355.0/44



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 783.570+/-540.891 χ^2/NDF:12.3/5

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -1056.222+/-551.221 χ^2/NDF:2.4/4

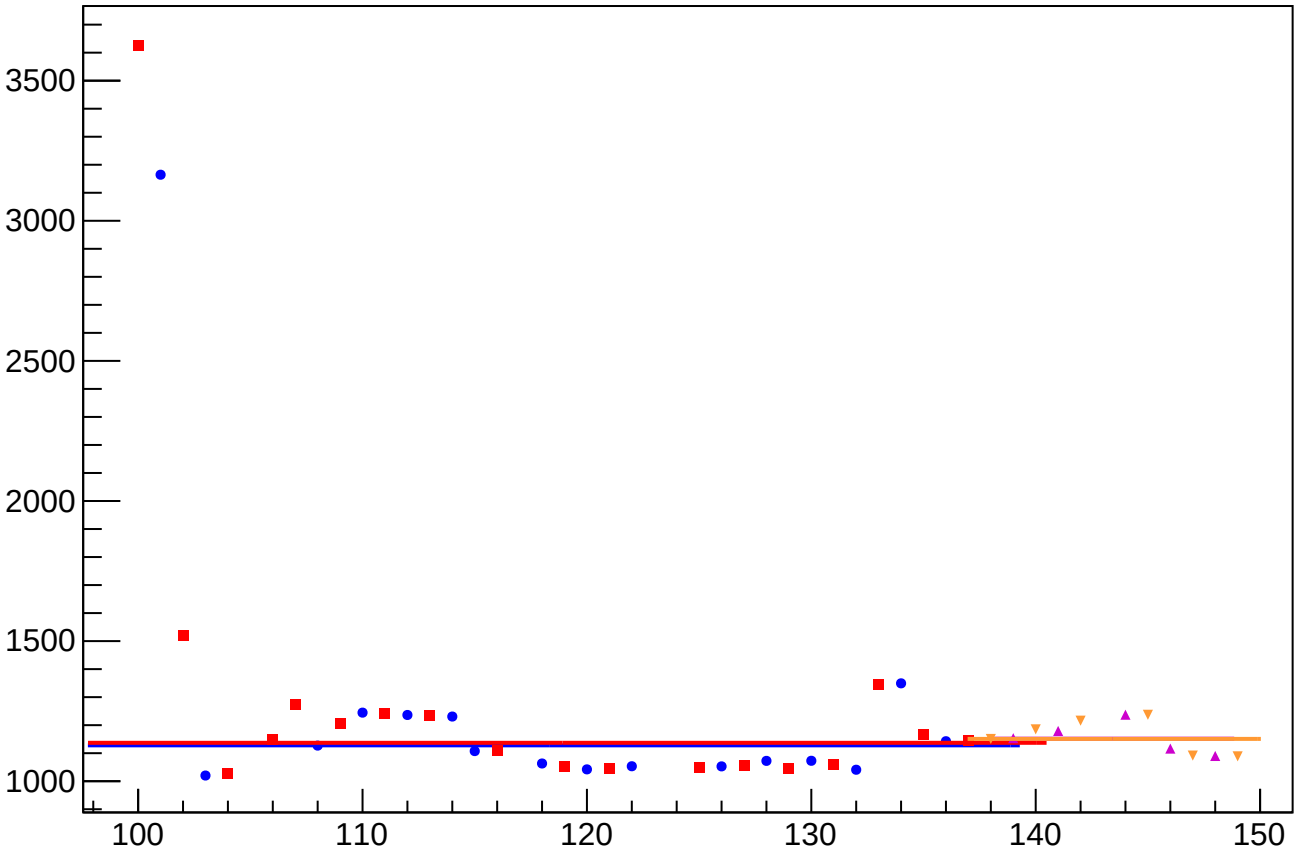
Left: -118.926+/-386.068 χ^2/NDF: 20.3/10

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -528.322+/-338.627 χ^2/NDF:18.6/20

Out: 350.368+/-336.960 χ^2/NDF:34.0/23

All: -86.808+/-238.854 χ^2/NDF: 56.0/44



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1151.002+/-0.382 χ^2/NDF:22168.4/5

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: 1151.351+/-0.273 χ^2/NDF: 38945.0/10

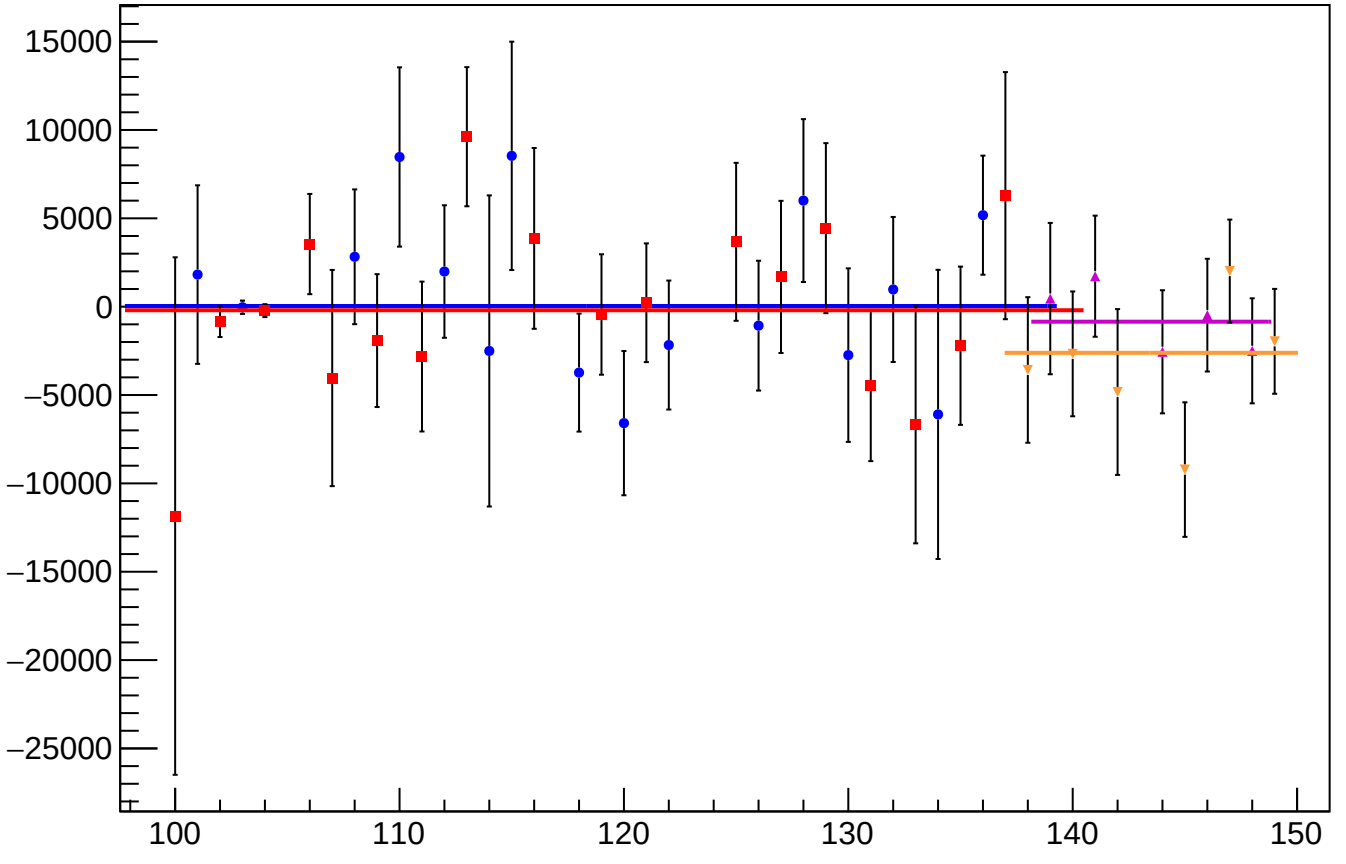
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1136.954+/-0.239 χ^2/NDF:640472.6/20

Out: 1142.447+/-0.238 χ^2/NDF:243070.9/23

All: 1139.717+/-0.169 χ^2/NDF: 883808.2/44

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -2611.359+/-1436.162 χ^2/NDF:5.9/5

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -849.877+/-1518.736 χ^2/NDF:1.2/4

Left: -1779.804+/-1043.491 χ^2/NDF: 7.8/10

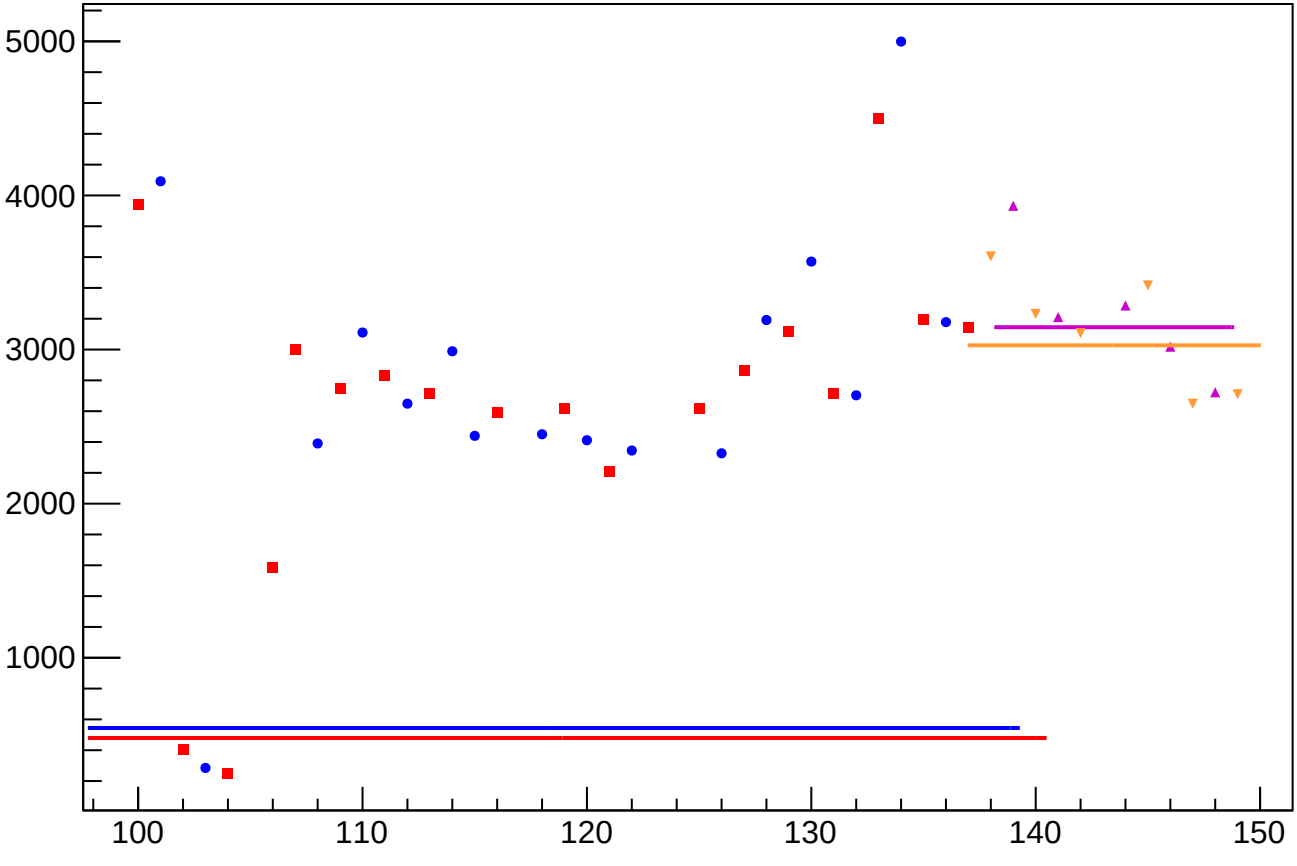
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -8.367+/-348.129 χ^2/NDF:16.4/20

Out: -317.351+/-314.706 χ^2/NDF:24.2/23

All: -178.400+/-233.455 χ^2/NDF: 41.0/44

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3027.451+/-1.016 χ^2/NDF:124034.4/5

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3144.973+/-1.074 χ^2/NDF:115214.1/4

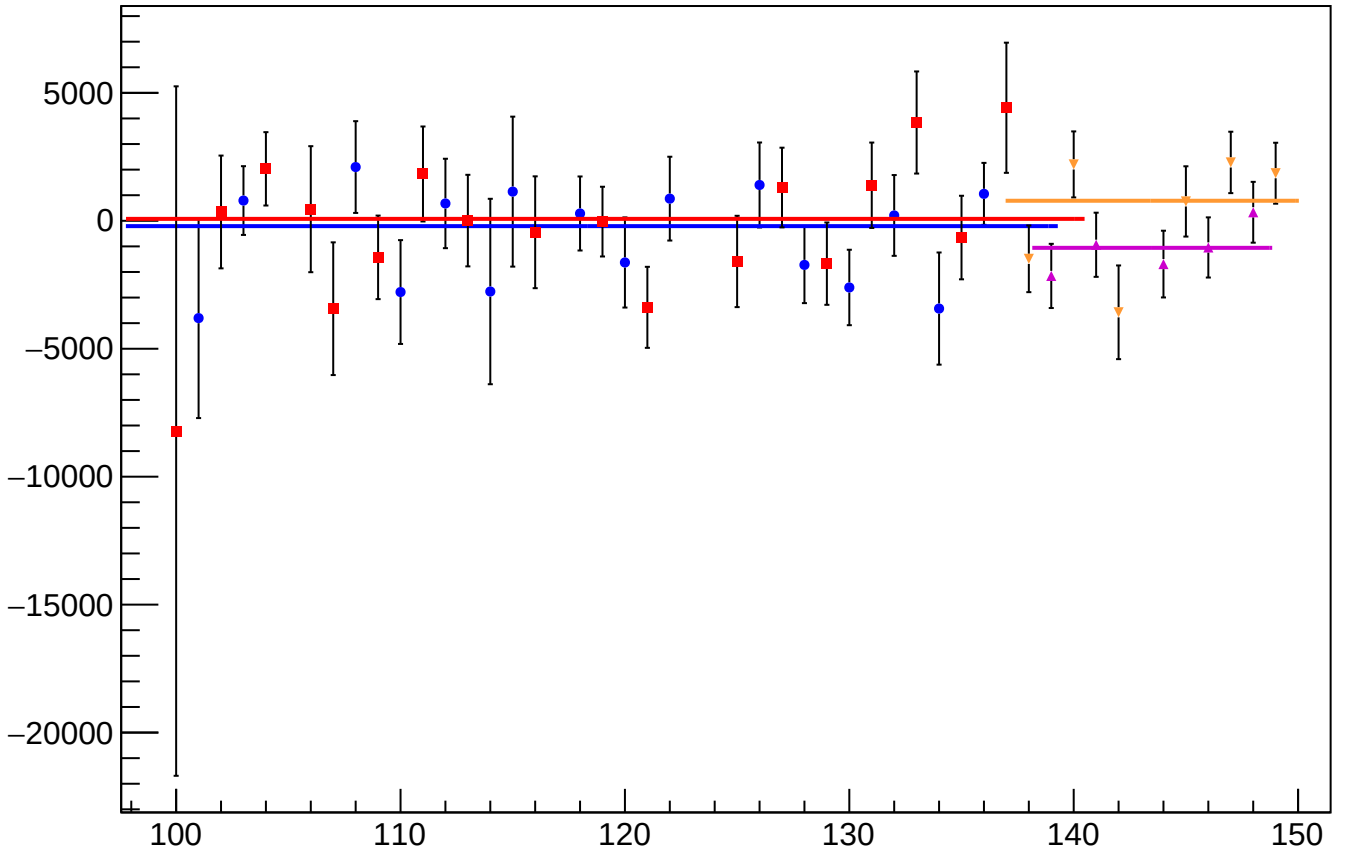
Left: 3082.930+/-0.738 χ^2/NDF: 245570.8/10

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 680.981+/-0.246 χ^2/NDF:15354465.2/20

Out: 601.611+/-0.223 χ^2/NDF:15306040.9/23

All: 637.304+/-0.165 χ^2/NDF: 30717713.7/44



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 783.647+/-540.891 χ^2/NDF:12.3/5

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1056.375+/-551.221 χ^2/NDF:2.4/4

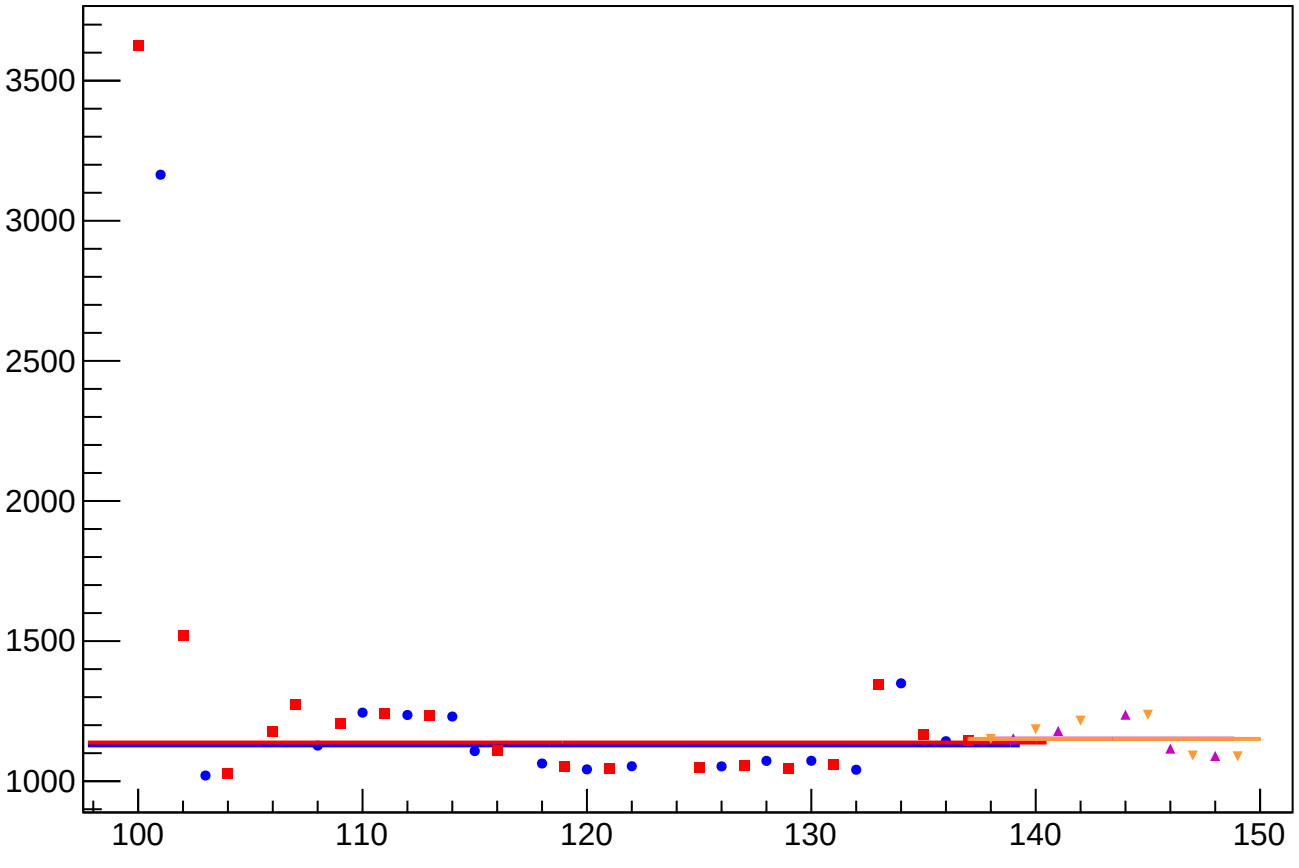
Left: -118.961+/-386.068 χ^2/NDF: 20.3/10

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -528.238+/-338.627 χ^2/NDF:18.6/20

Out: 350.487+/-336.960 χ^2/NDF:34.0/23

All: -86.707+/-238.854 χ^2/NDF: 56.0/44



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1151.002+/-0.382 χ^2/NDF:22168.4/5

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: 1151.351+/-0.273 χ^2/NDF: 38945.0/10

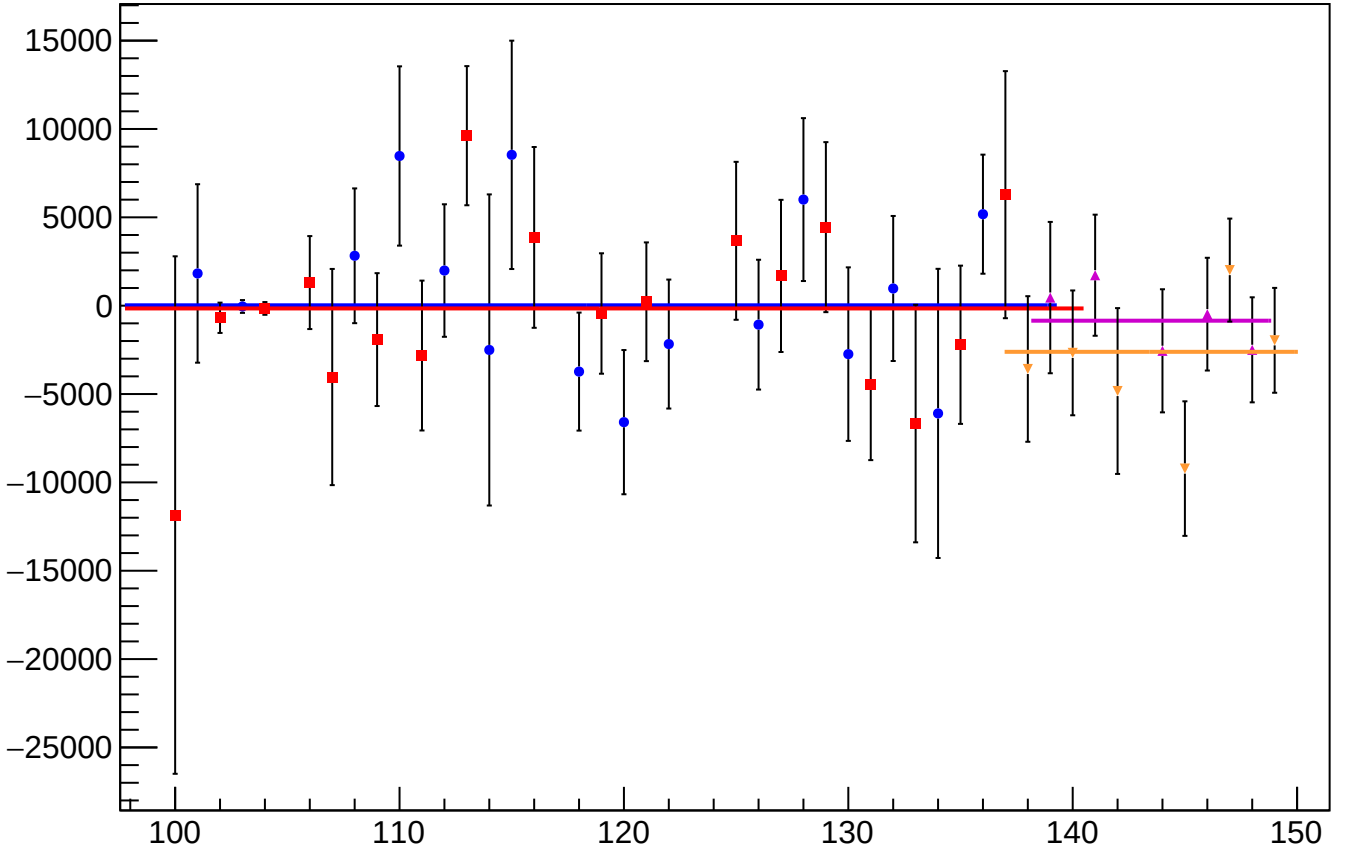
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1136.954+/-0.239 χ^2/NDF:640473.7/20

Out: 1143.042+/-0.238 χ^2/NDF:243500.3/23

All: 1140.014+/-0.169 χ^2/NDF: 884299.0/44

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -2611.246+/-1436.161 χ^2/NDF:5.9/5

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -849.886+/-1518.734 χ^2/NDF:1.2/4

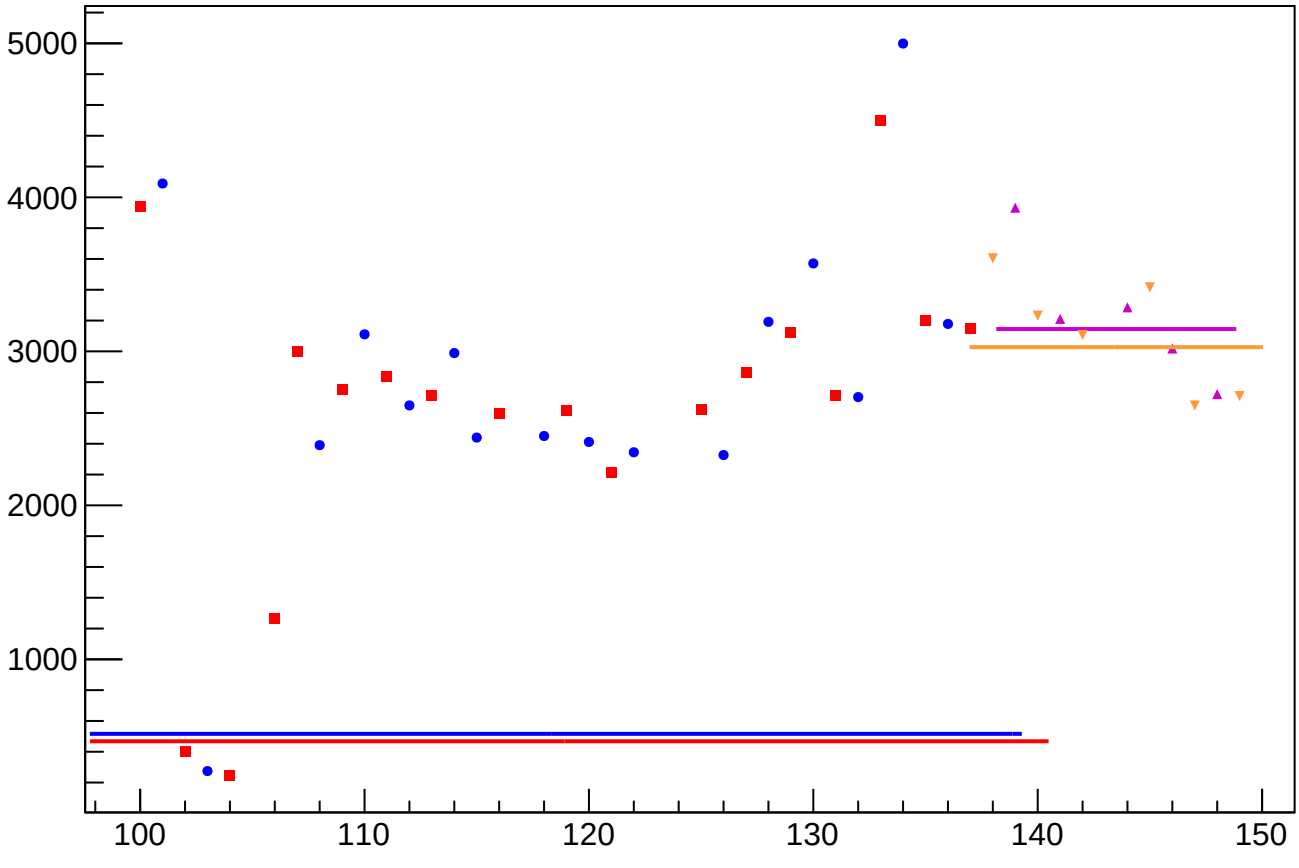
Left: -1779.748+/-1043.490 χ^2/NDF: 7.8/10

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -21.010+/-335.989 χ^2/NDF:16.4/20

Out: -270.536+/-309.891 χ^2/NDF:22.6/23

All: -155.839+/-227.794 χ^2/NDF: 39.3/44



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3027.449+/-1.016 χ^2/NDF:124032.4/5

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

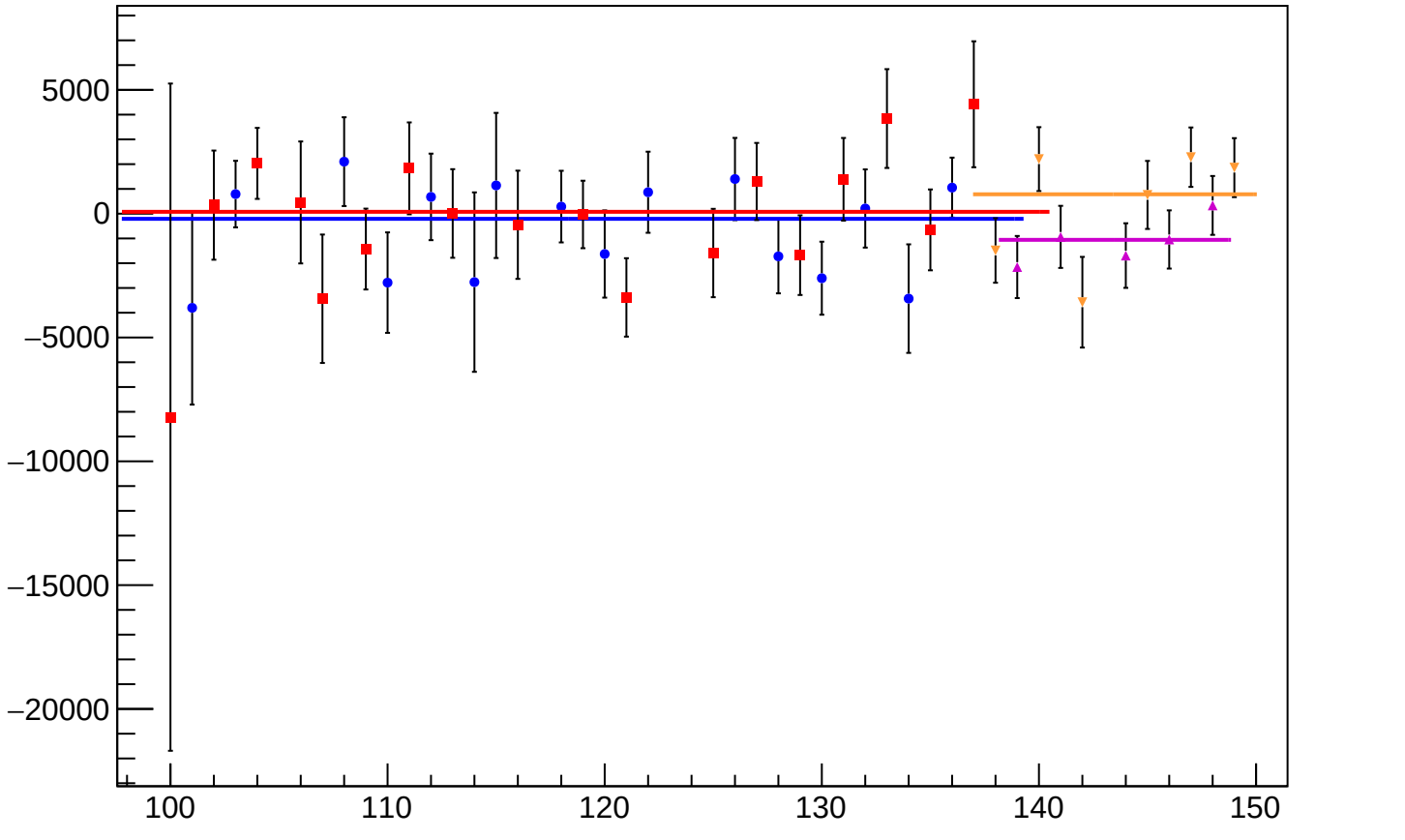
Left: 3082.926+/-0.738 χ^2/NDF: 245572.8/10

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 644.950+/-0.238 χ^2/NDF:15648192.3/20

Out: 587.224+/-0.219 χ^2/NDF:15291307.7/23

All: 613.759+/-0.161 χ^2/NDF: 30971400.1/44



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 783.647+/-540.891 χ^2/NDF:12.3/5

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1056.375+/-551.221 χ^2/NDF:2.4/4

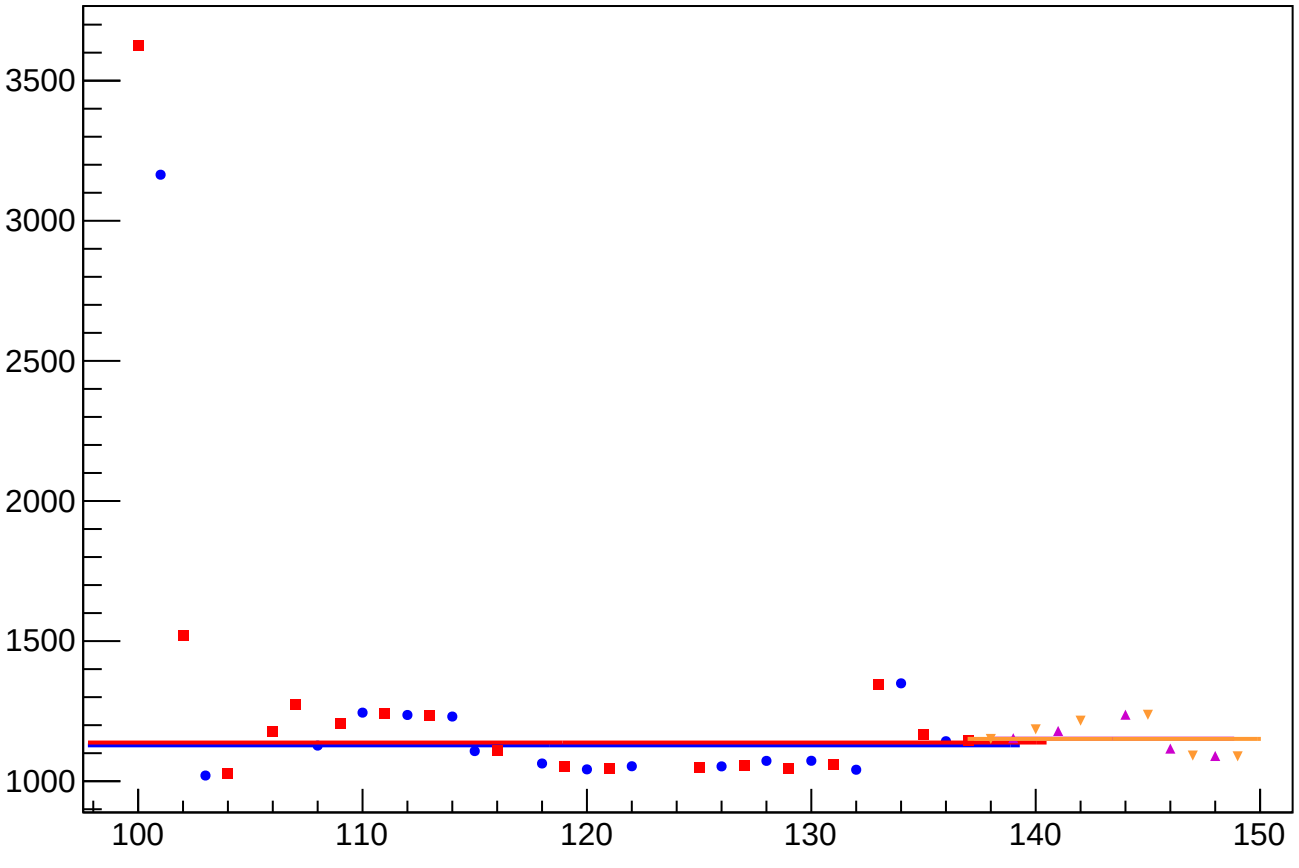
Left: -118.961+/-386.068 χ^2/NDF: 20.3/10

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -528.238+/-338.627 χ^2/NDF:18.6/20

Out: 350.487+/-336.960 χ^2/NDF:34.0/23

All: -86.707+/-238.854 χ^2/NDF: 56.0/44



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1151.002+/-0.382 χ^2/NDF:22168.4/5

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: 1151.351+/-0.273 χ^2/NDF: 38945.0/10

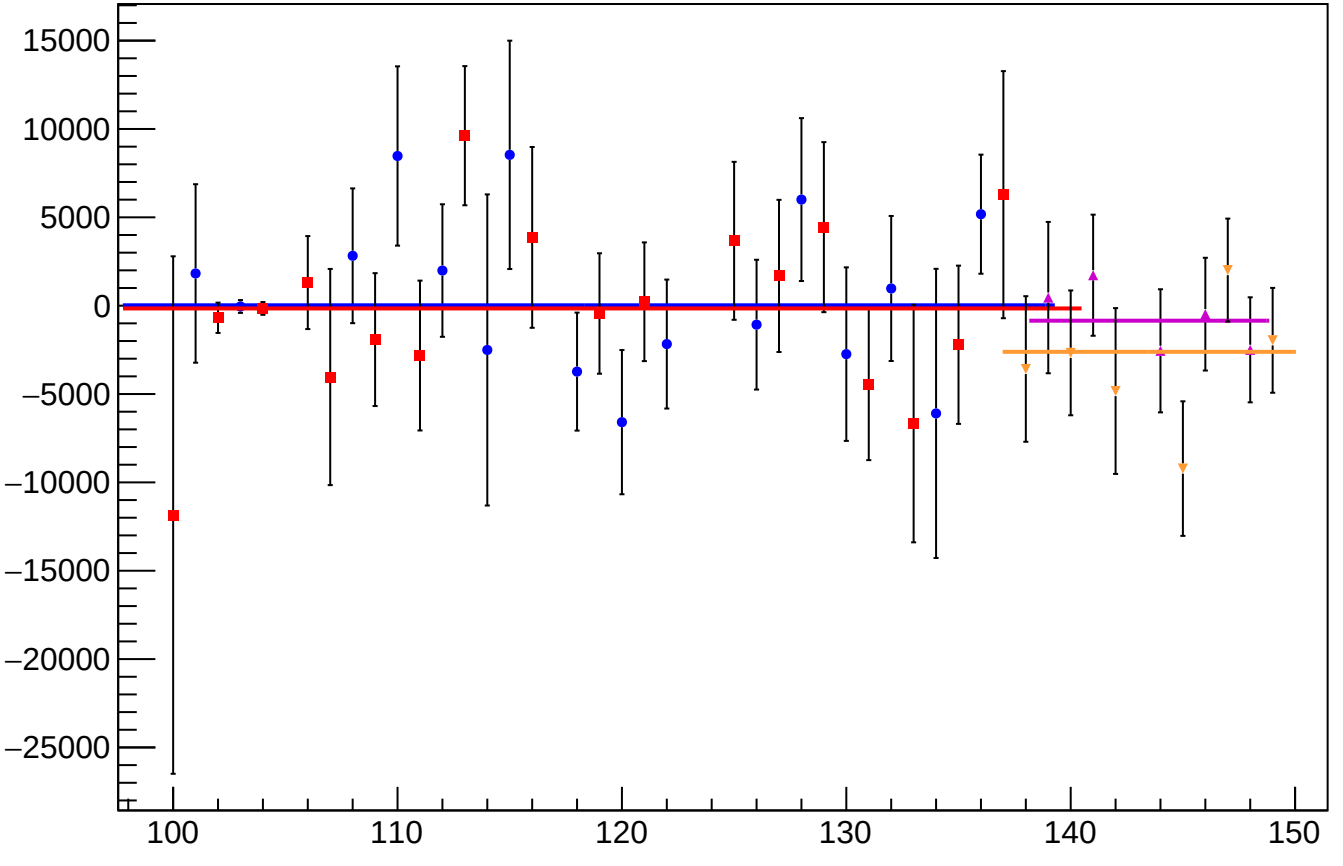
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1136.954+/-0.239 χ^2/NDF:640473.7/20

Out: 1143.042+/-0.238 χ^2/NDF:243500.3/23

All: 1140.014+/-0.169 χ^2/NDF: 884299.0/44

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -2611.246+/-1436.161 χ^2/NDF:5.9/5

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -849.886+/-1518.734 χ^2/NDF:1.2/4

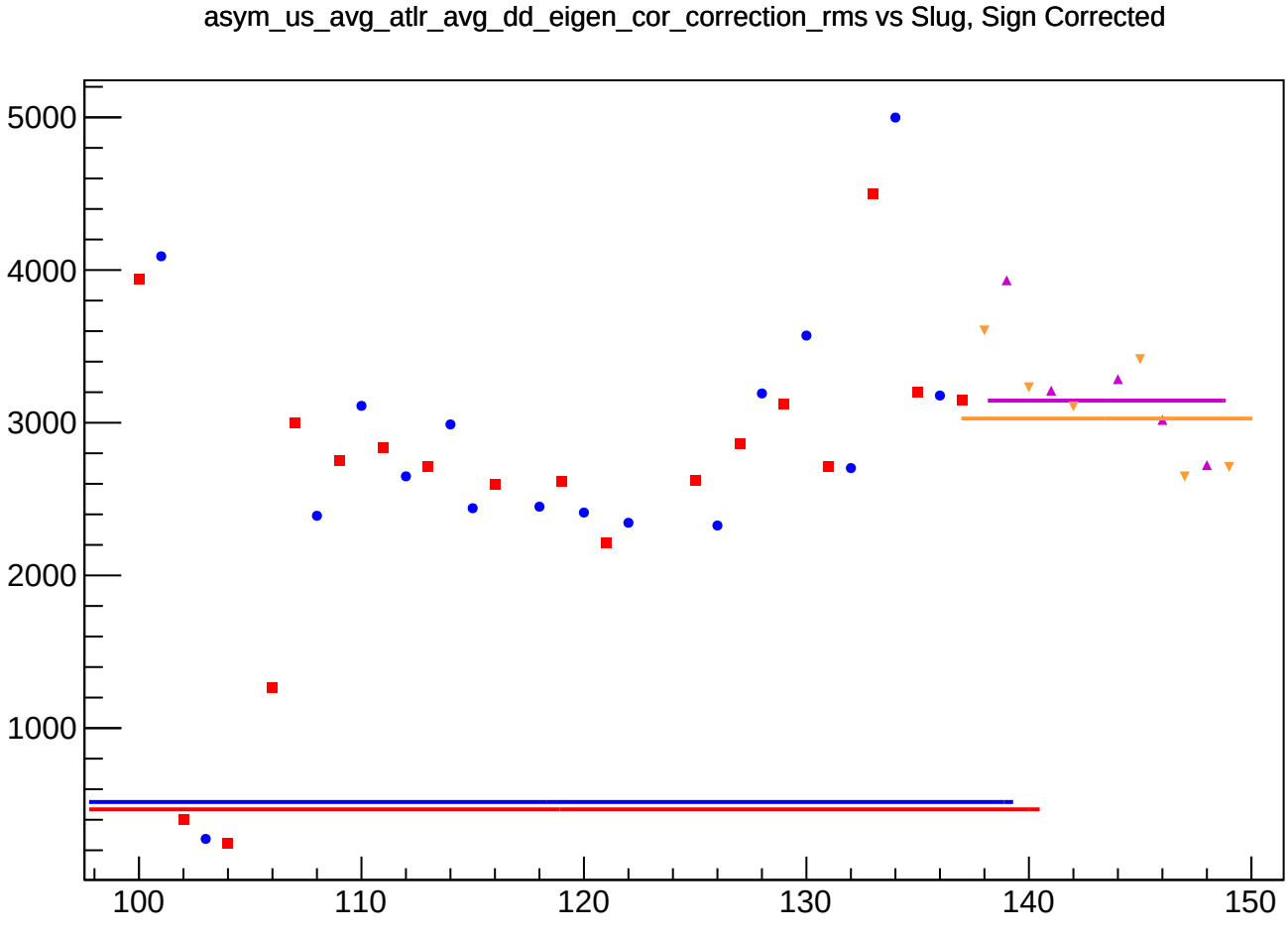
Left: -1779.748+/-1043.490 χ^2/NDF: 7.8/10

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -21.010+/-335.989 χ^2/NDF:16.4/20

Out: -270.536+/-309.891 χ^2/NDF:22.6/23

All: -155.839+/-227.794 χ^2/NDF: 39.3/44



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3027.449+/-1.016 χ^2/NDF:124032.4/5

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3144.967+/-1.074 χ^2/NDF:115218.5/4

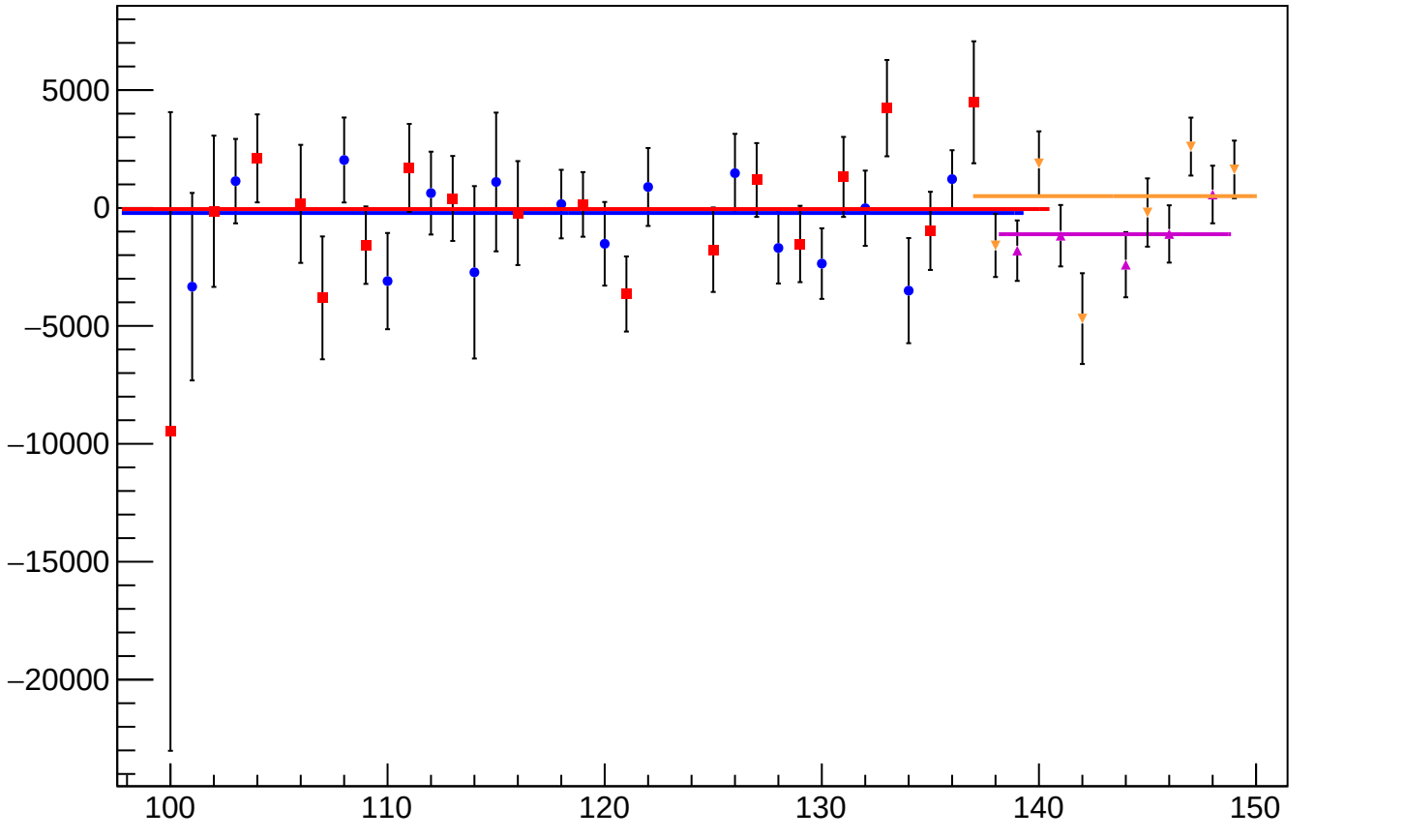
Left: 3082.926+/-0.738 χ^2/NDF: 245572.8/10

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 644.950+/-0.238 χ^2/NDF:15648192.3/20

Out: 587.224+/-0.219 χ^2/NDF:15291307.7/23

All: 613.759+/-0.161 χ^2/NDF: 30971400.1/44



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 502.141+/-560.795 χ^2/NDF:14.8/5

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -1112.858+/-570.885 χ^2/NDF:3.1/4

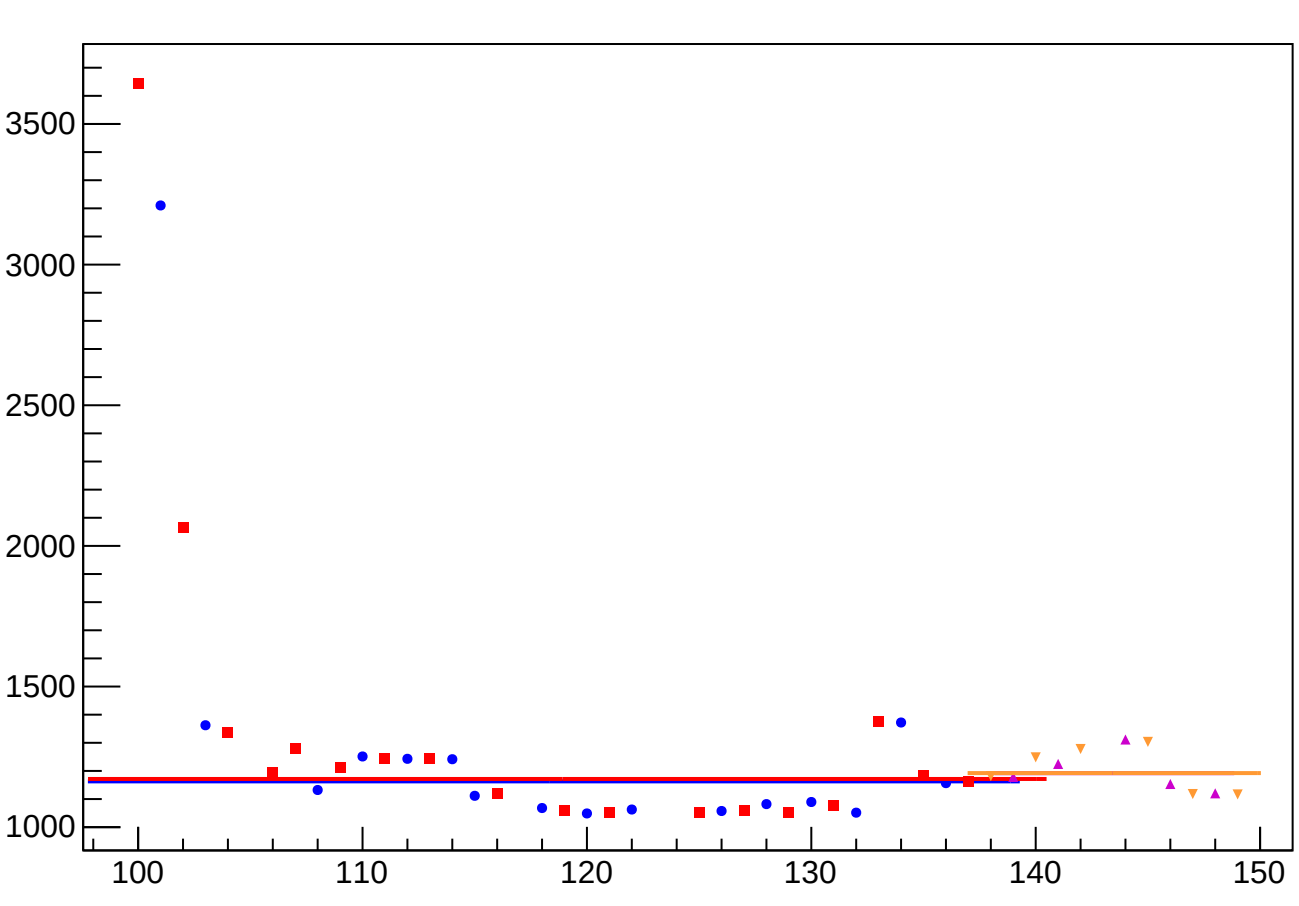
Left: -290.961+/-400.062 χ^2/NDF: 21.9/10

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -550.953+/-349.830 χ^2/NDF:19.0/20

Out: 167.369+/-349.651 χ^2/NDF:37.0/23

All: -191.607+/-247.304 χ^2/NDF: 58.1/44



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1192.316+/-0.397 χ^2/NDF:34287.0/5

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1191.997+/-0.404 χ^2/NDF:25363.6/4

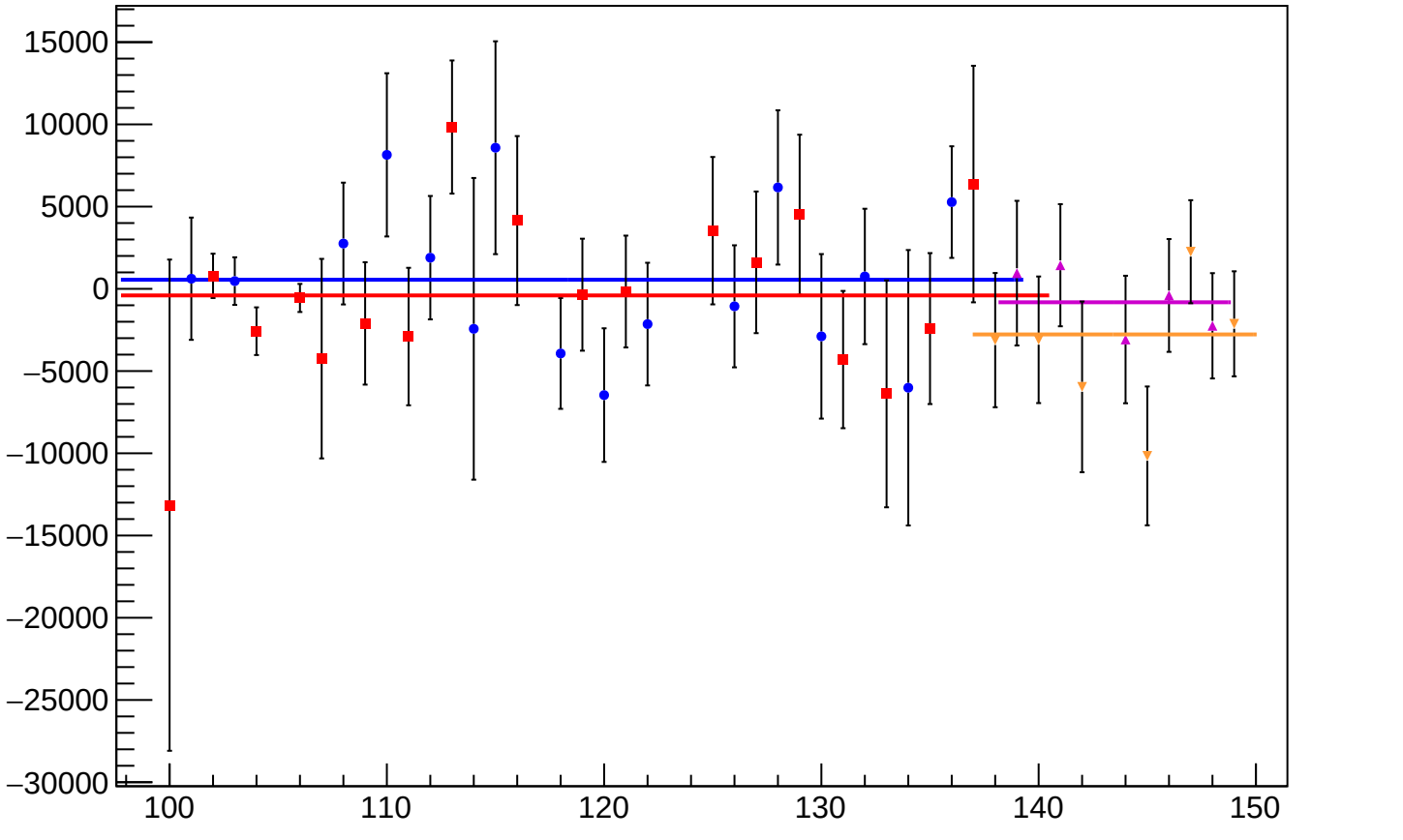
Left: 1192.159+/-0.283 χ^2/NDF: 59650.9/10

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1173.796+/-0.247 χ^2/NDF:663972.4/20

Out: 1179.539+/-0.247 χ^2/NDF:367625.7/23

All: 1176.670+/-0.175 χ^2/NDF: 1031867.8/44



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -2772.559+/-1541.712 χ^2/NDF:6.1/5

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -817.049+/-1636.633 χ^2/NDF:1.1/4

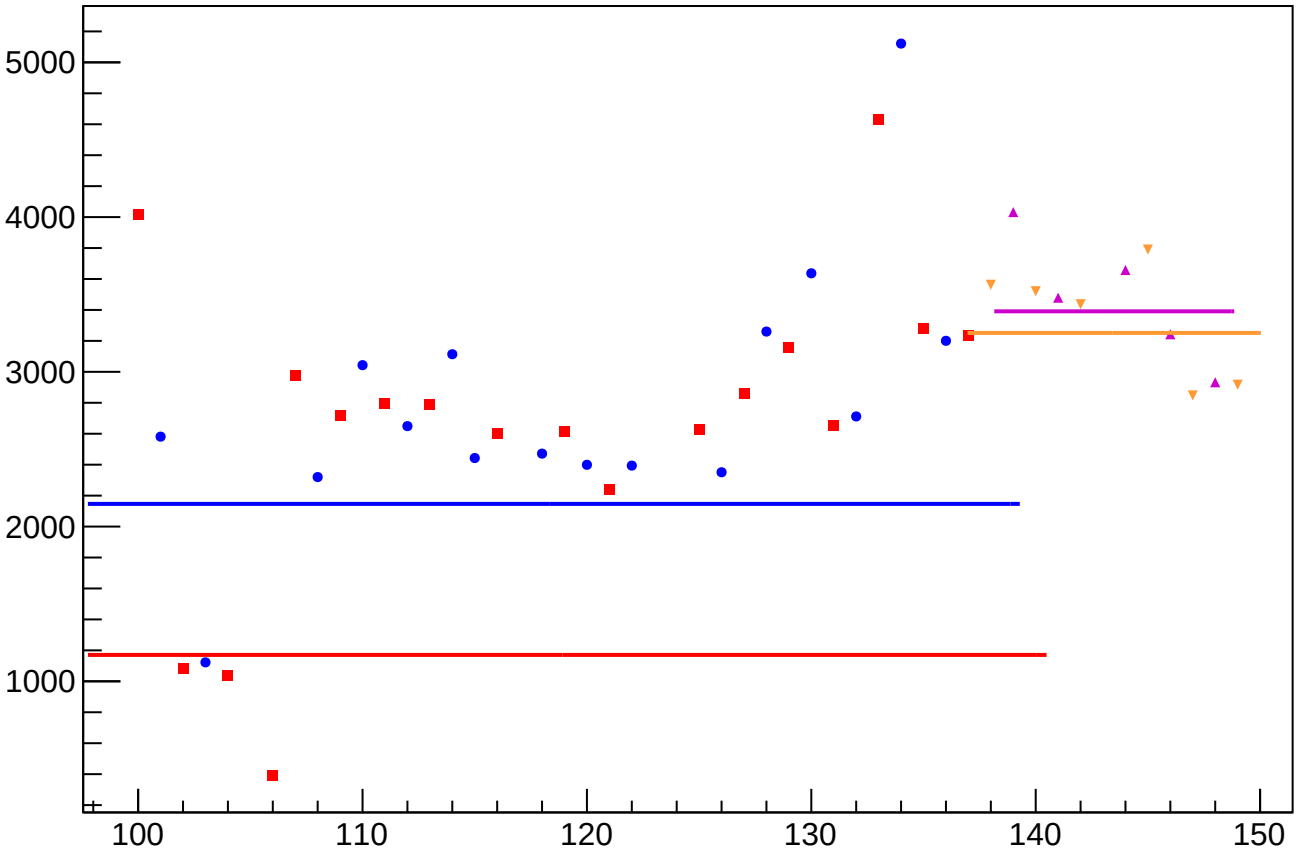
Left: -1853.152+/-1122.212 χ^2/NDF: 7.9/10

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 248.542+/-771.043 χ^2/NDF:16.0/20

Out: -682.061+/-531.218 χ^2/NDF:24.8/23

All: -382.518+/-437.448 χ^2/NDF: 41.8/44



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3251.499+/-1.090 χ^2/NDF:111783.3/5

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3391.033+/-1.157 χ^2/NDF:97903.8/4

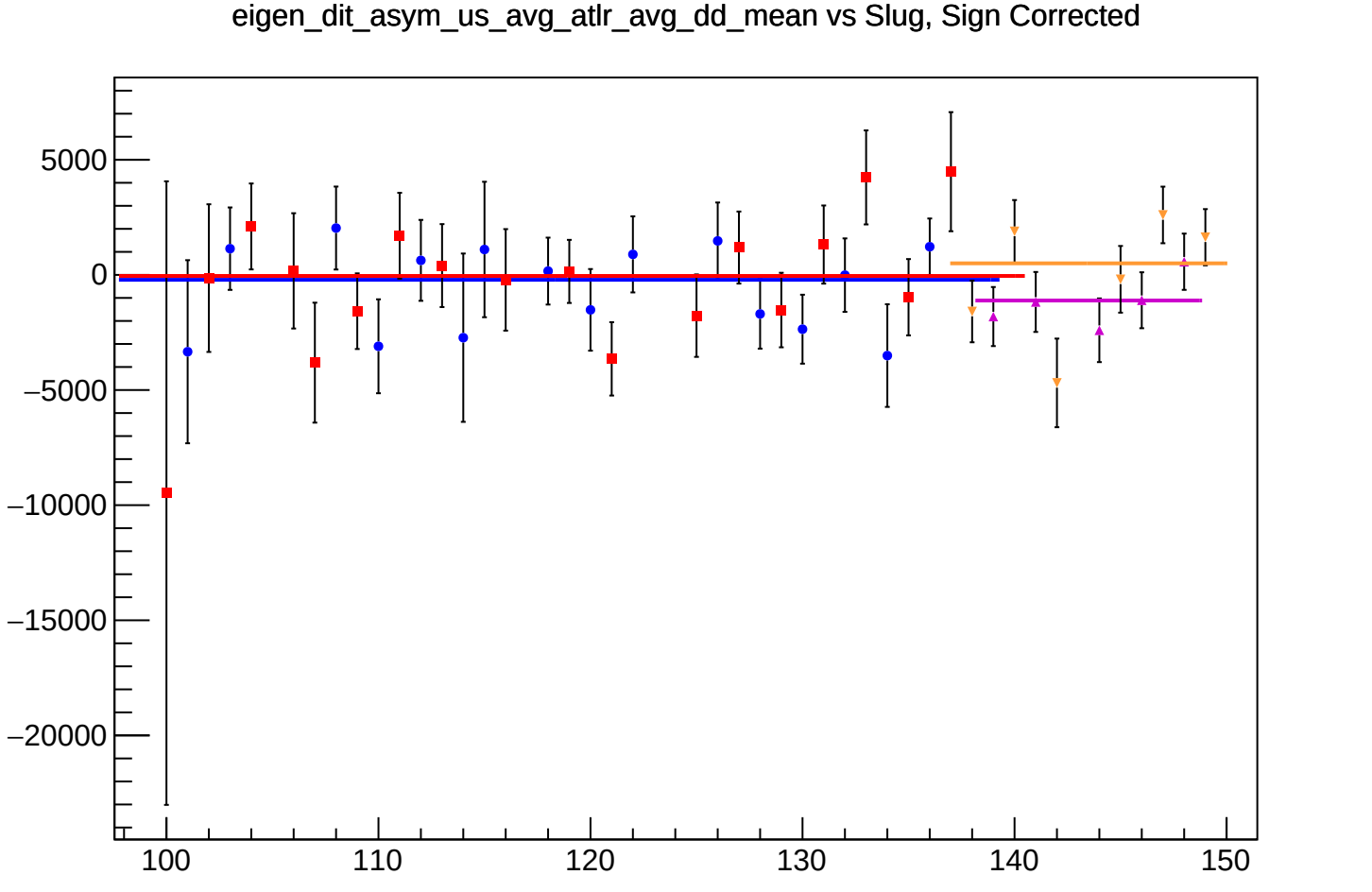
Left: 3317.102+/-0.794 χ^2/NDF: 217389.6/10

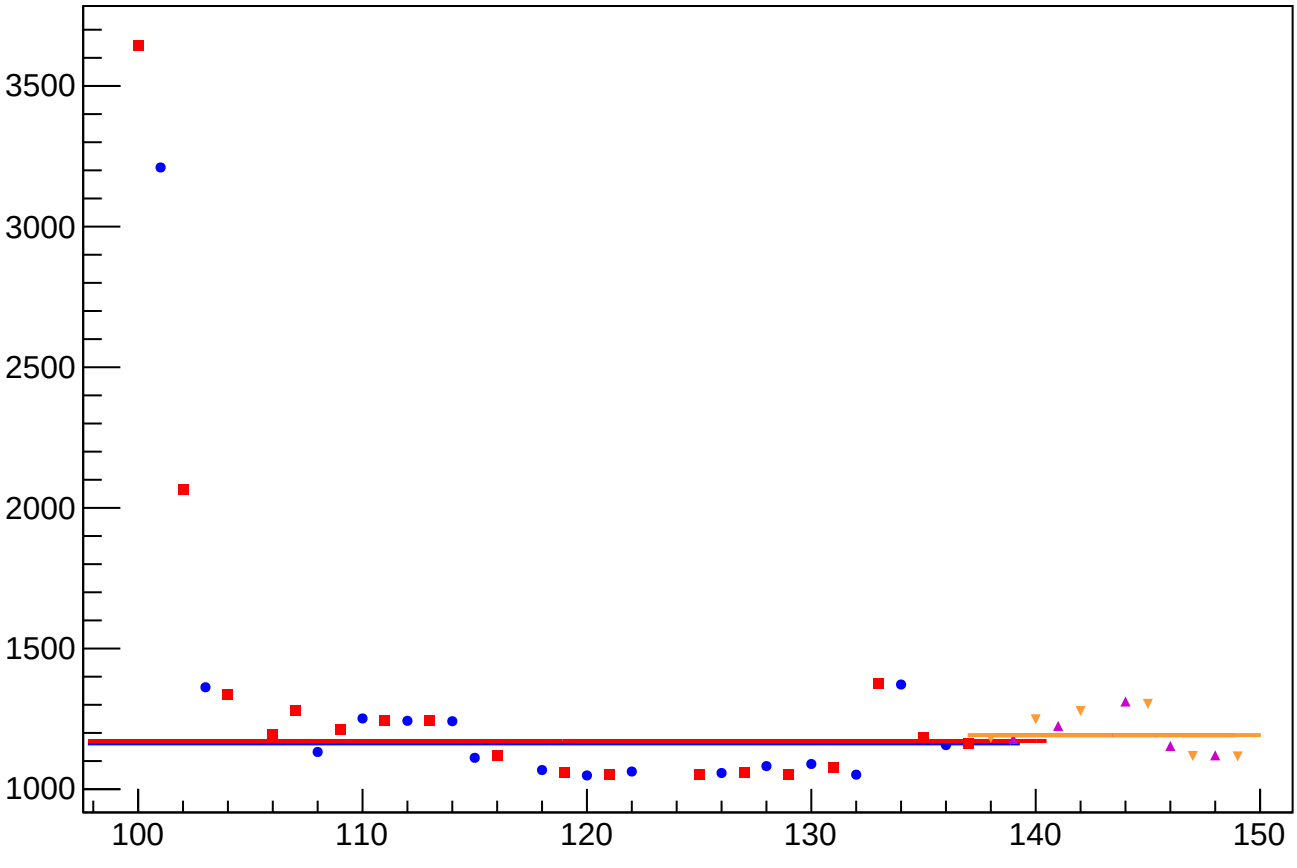
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2422.814+/-0.545 χ^2/NDF:2972263.7/20

Out: 1417.630+/-0.376 χ^2/NDF:9140318.6/23

All: 1741.179+/-0.309 χ^2/NDF: 14417578.8/4


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: 502.132+/-560.796 χ²/NDF:14.8/5
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -1112.855+/-570.885 χ²/NDF:3.1/4
Left: -290.964+/-400.062 χ²/NDF: 21.9/10
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -550.953+/-349.831 χ²/NDF:19.0/20
Out: 167.363+/-349.651 χ²/NDF:37.0/23
All: -191.610+/-247.304 χ²/NDF: 58.1/44



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1192.317+/-0.397 χ^2/NDF:34287.4/5

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1191.998+/-0.404 χ^2/NDF:25363.6/4

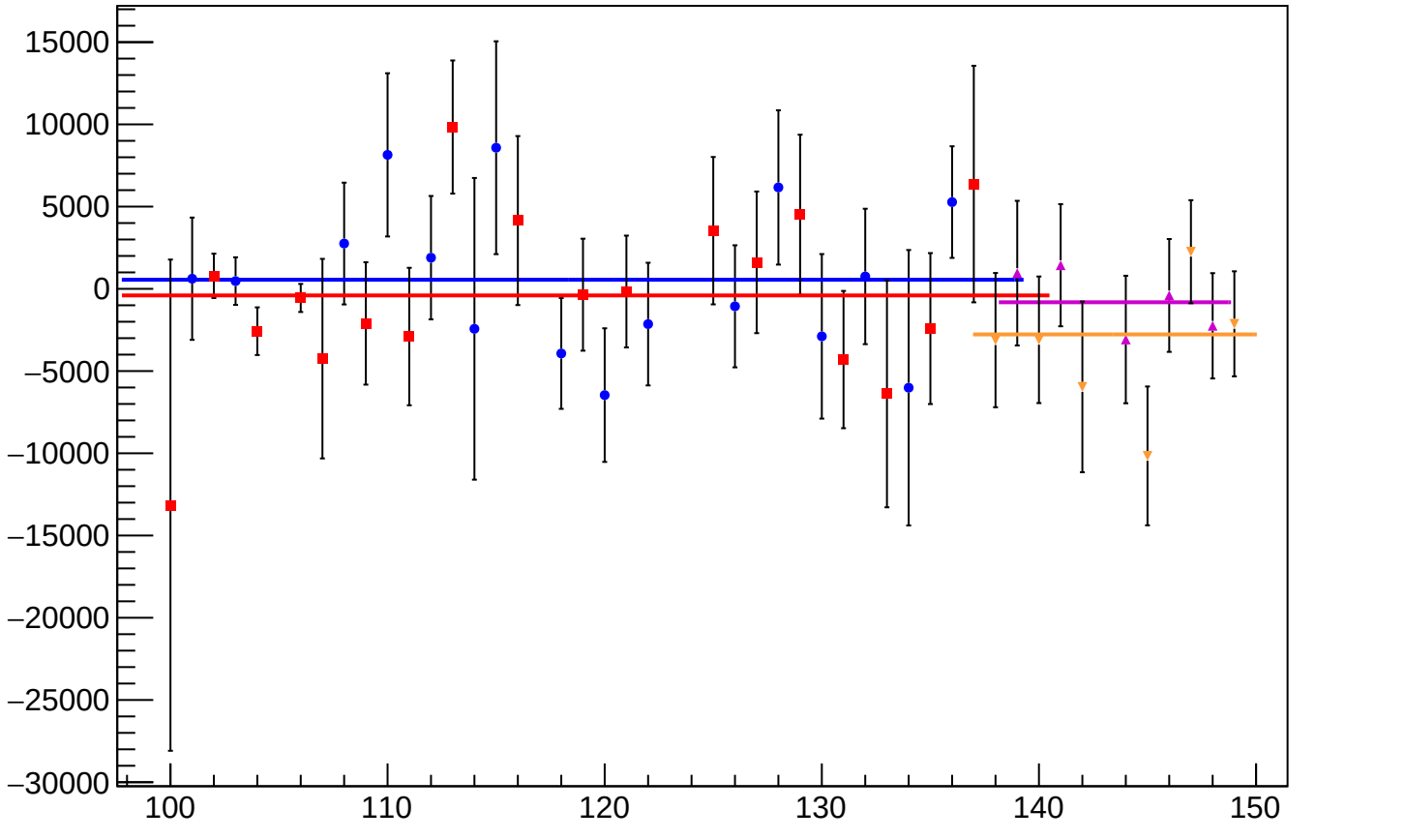
Left: 1192.160+/-0.283 χ^2/NDF: 59651.4/10

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1173.796+/-0.247 χ^2/NDF:663972.8/20

Out: 1179.539+/-0.247 χ^2/NDF:367625.9/23

All: 1176.670+/-0.175 χ^2/NDF: 1031868.5/44



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -2772.565+/-1541.714 χ^2/NDF:6.1/5

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -817.045+/-1636.635 χ^2/NDF:1.1/4

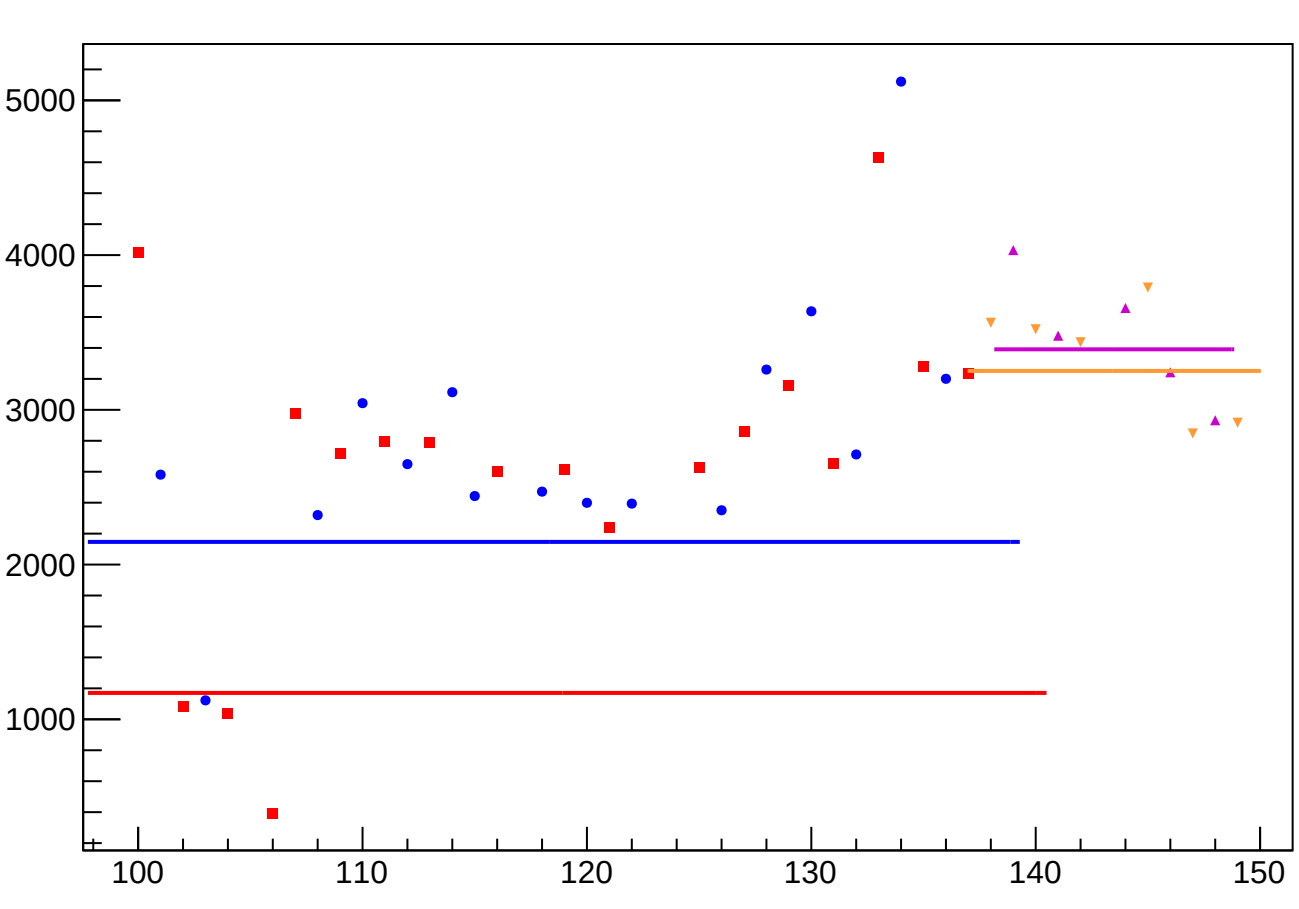
Left: -1853.154+/-1122.213 χ^2/NDF: 7.9/10

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 248.539+/-771.042 χ^2/NDF:16.0/20

Out: -682.056+/-531.213 χ^2/NDF:24.8/23

All: -382.519+/-437.445 χ^2/NDF: 41.8/44



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3251.502+/-1.090 χ^2/NDF:111784.4/5

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3391.037+/-1.157 χ^2/NDF:97904.7/4

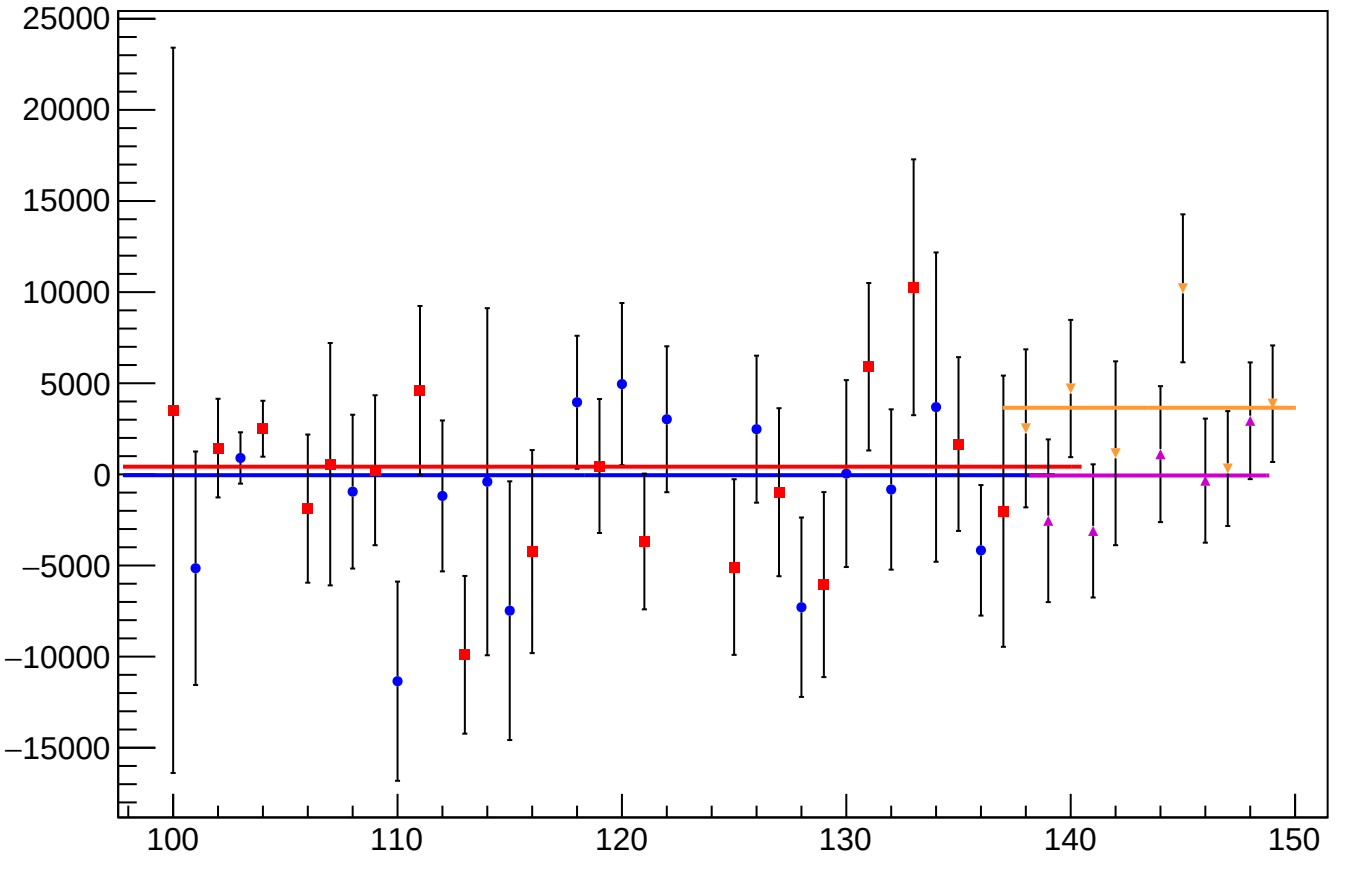
Left: 3317.106+/-0.794 χ^2/NDF: 217391.6/10

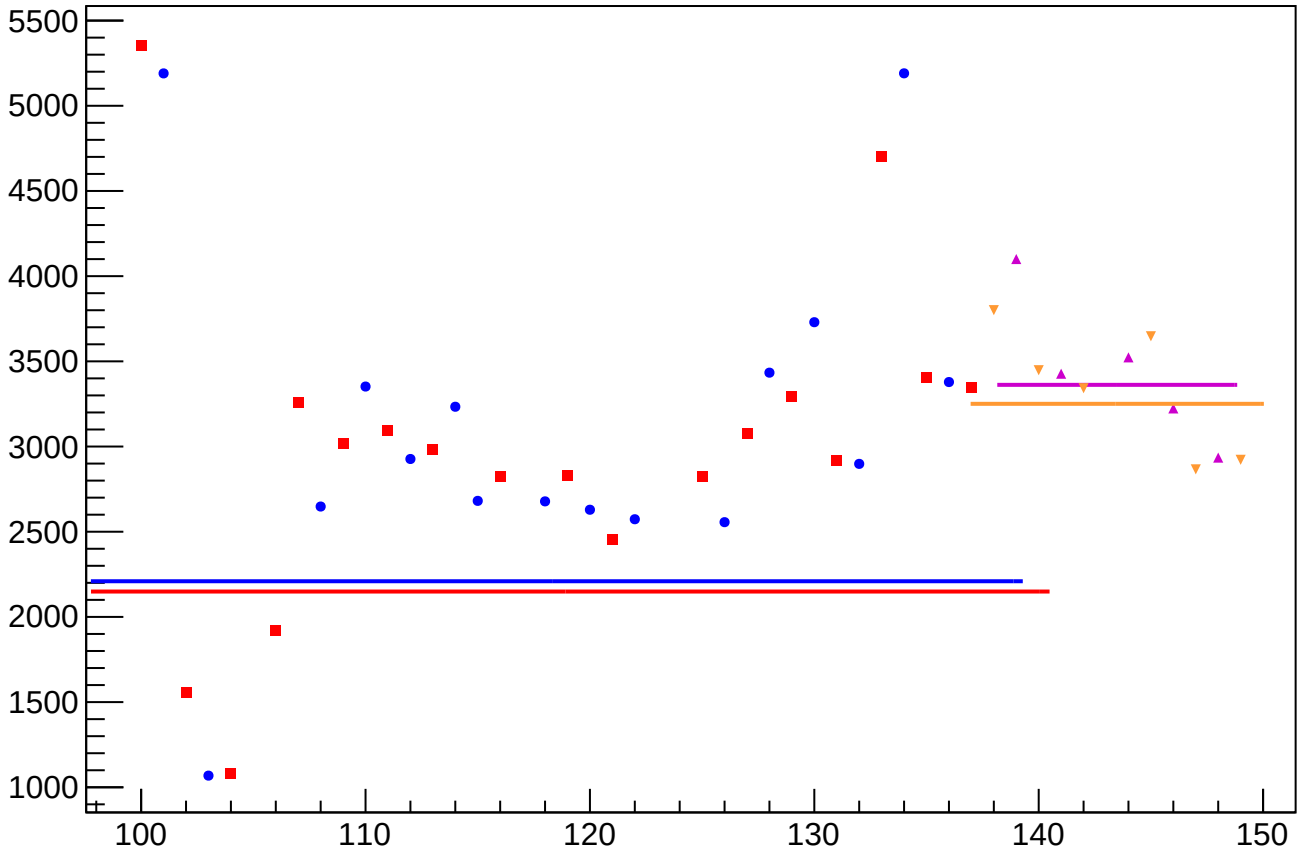
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2422.812+/-0.545 χ^2/NDF:2972269.4/20

Out: 1417.604+/-0.376 χ^2/NDF:9140531.5/23

All: 1741.157+/-0.309 χ^2/NDF: 14417921.4/4


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: 3654.857+/-1539.352 χ²/NDF:4.1/5
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: -60.512+/-1620.740 χ²/NDF:2.0/4
Left: 1892.798+/-1116.150 χ²/NDF: 8.9/10
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -48.690+/-800.570 χ²/NDF:15.7/20
Out: 1242.215+/-774.848 χ²/NDF:24.8/23
All: 617.833+/-556.772 χ²/NDF: 41.8/44



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3250.657+/-1.088 χ^2/NDF:108228.3/5

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3362.048+/-1.146 χ^2/NDF:97965.9/4

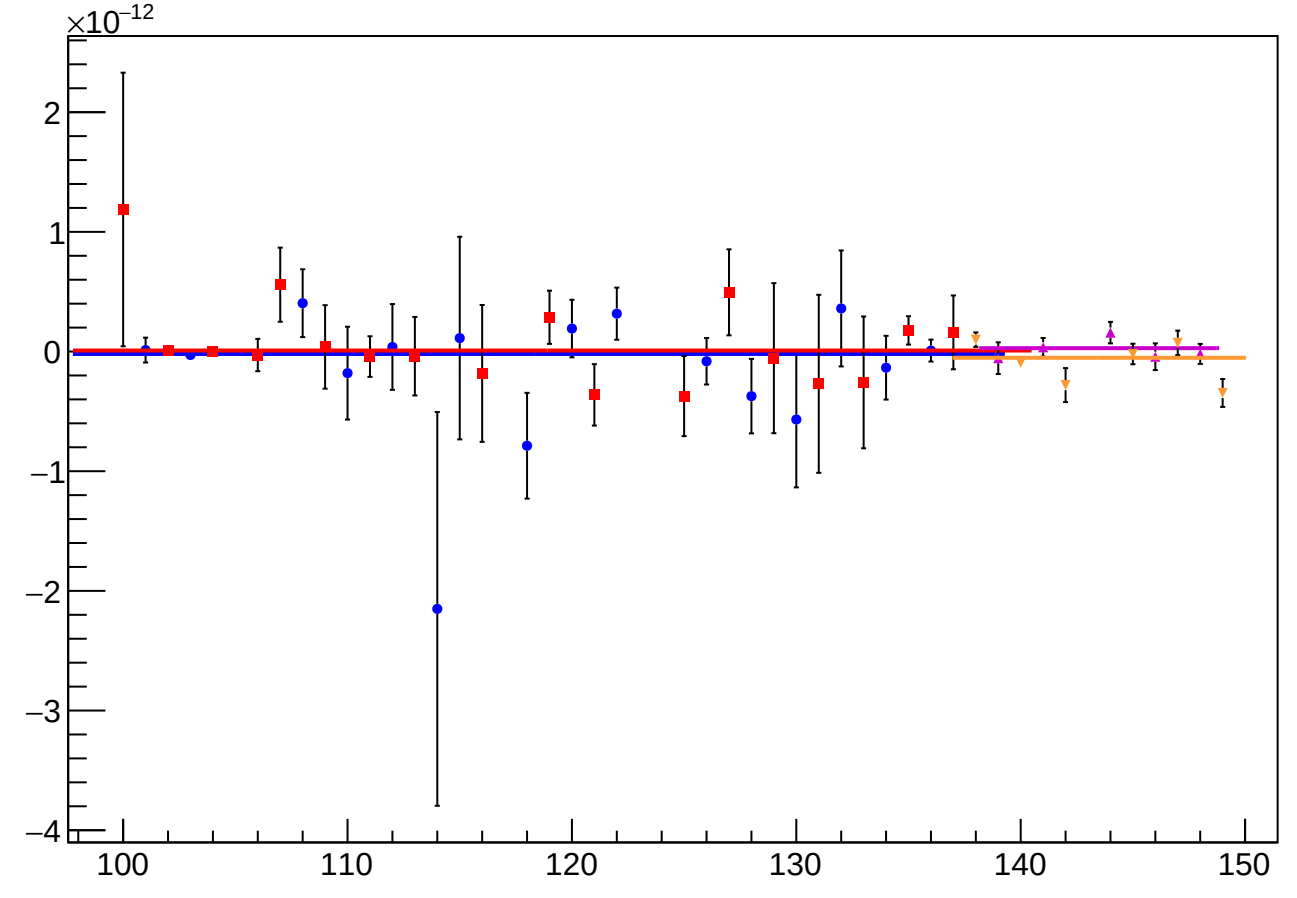
Left: 3303.486+/-0.789 χ^2/NDF: 211160.9/10

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2490.595+/-0.566 χ^2/NDF:3699669.0/20

Out: 2427.092+/-0.547 χ^2/NDF:3143694.1/23

All: 2457.750+/-0.393 χ^2/NDF: 6849871.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/4

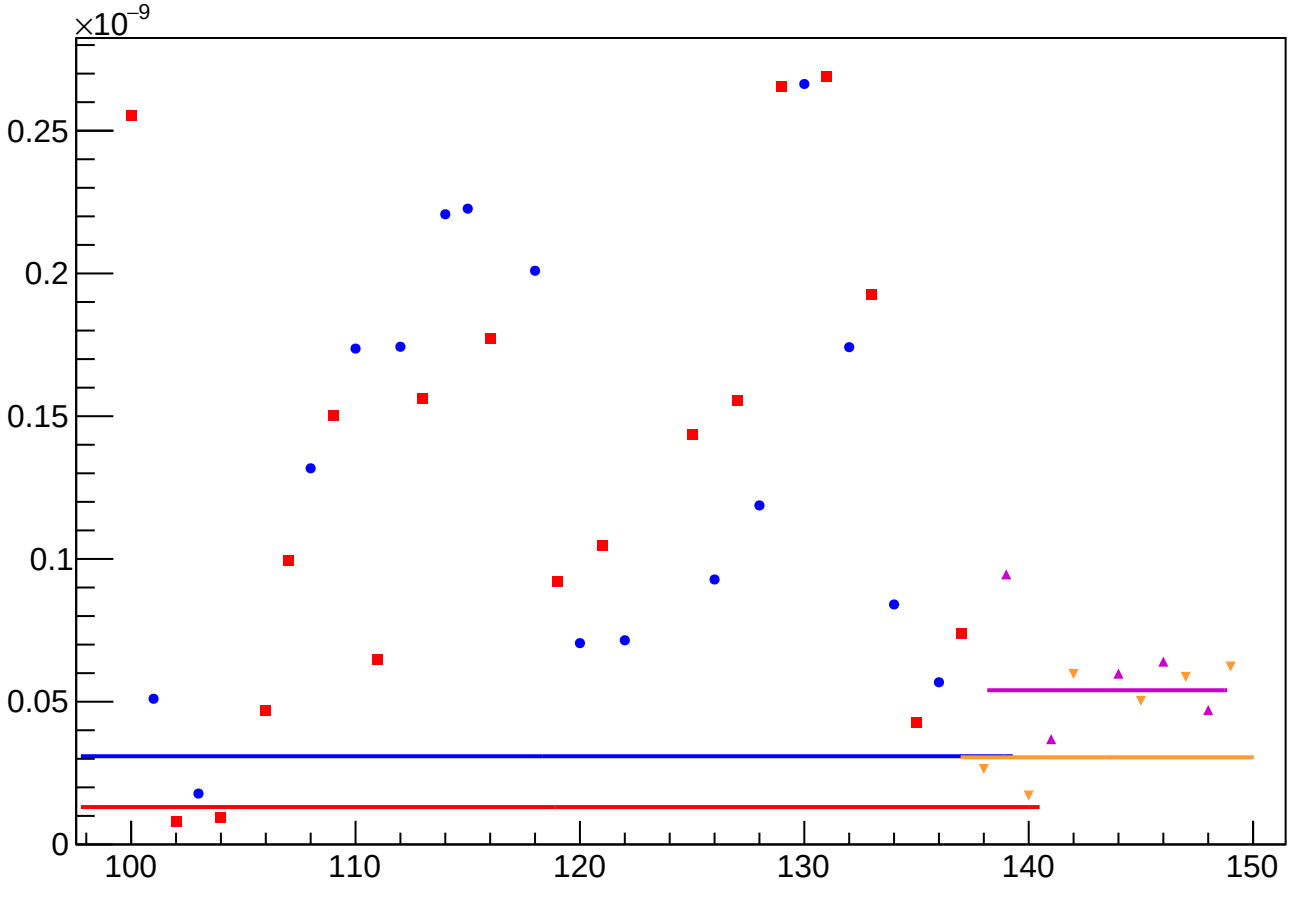
Left: -0.000+/-0.000 χ^2/NDF: 23.6/10

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: -0.000+/-0.000 χ^2/NDF:17.9/20

Out: -0.000+/-0.000 χ^2/NDF:35.4/23

All: -0.000+/-0.000 χ^2/NDF: 53.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:715515.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:323524.6/4

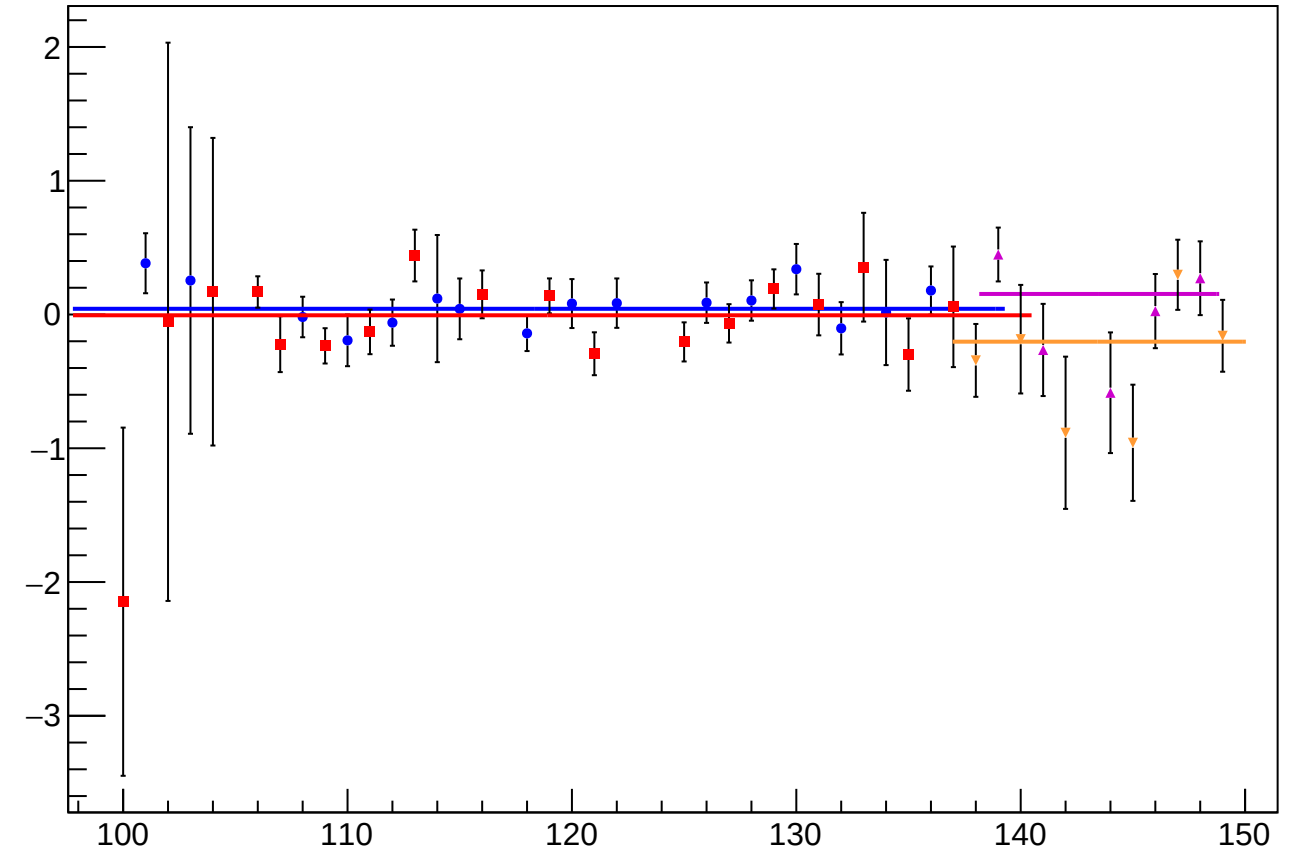
Left: 0.000+/-0.000 χ^2/NDF: 1468312.4/10

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:4961182.0/23

All: 0.000+/-0.000 χ^2/NDF: 9999754.1/44



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.203+/-0.133 χ^2/NDF:8.4/5

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.154+/-0.125 χ^2/NDF:6.7/4

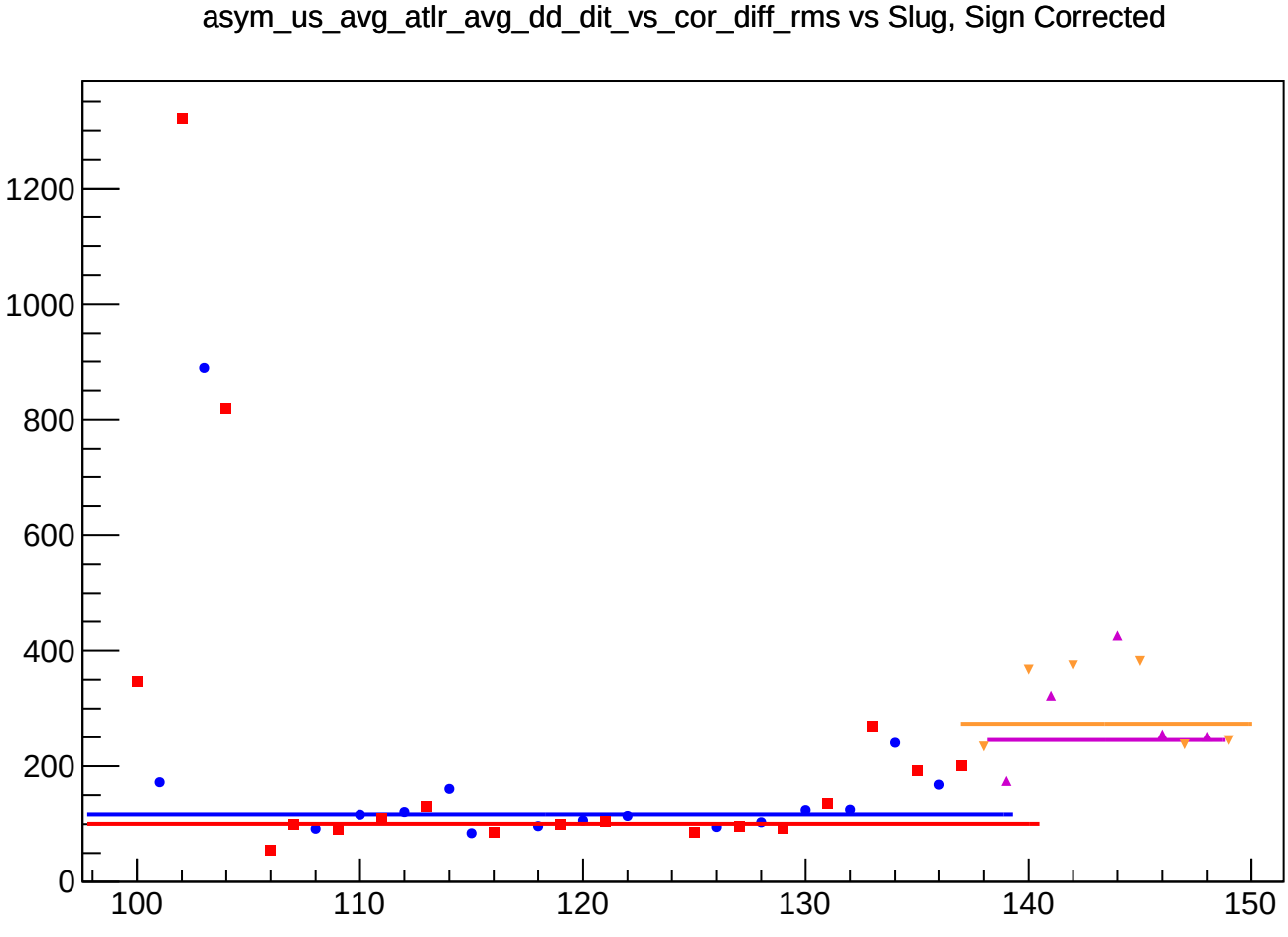
Left: -0.013+/-0.091 χ^2/NDF: 18.9/10

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.6/20

Out: -0.025+/-0.041 χ^2/NDF:36.4/23

All: 0.013+/-0.030 χ^2/NDF: 55.9/44



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 273.722+/-0.094 χ^2/NDF:397404.7/5

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: 258.652+/-0.064 χ^2/NDF: 1117290.9/10

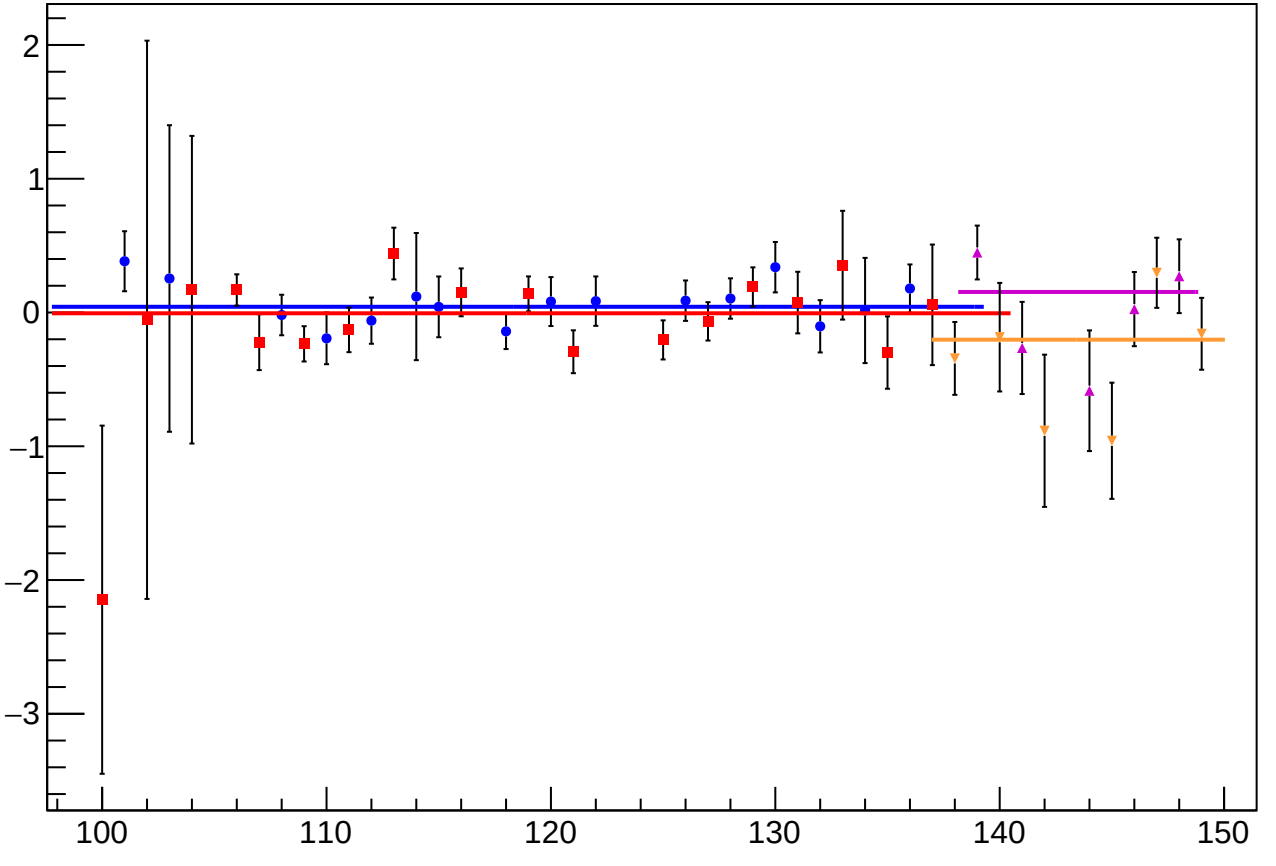
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 133.082+/-0.031 χ^2/NDF:4146303.1/20

Out: 117.149+/-0.029 χ^2/NDF:6117659.6/23

All: 124.536+/-0.021 χ^2/NDF: 10402311.5/44

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: -0.203+/-0.133 χ^2/NDF:8.4/5

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.154+/-0.125 χ^2/NDF:6.7/4

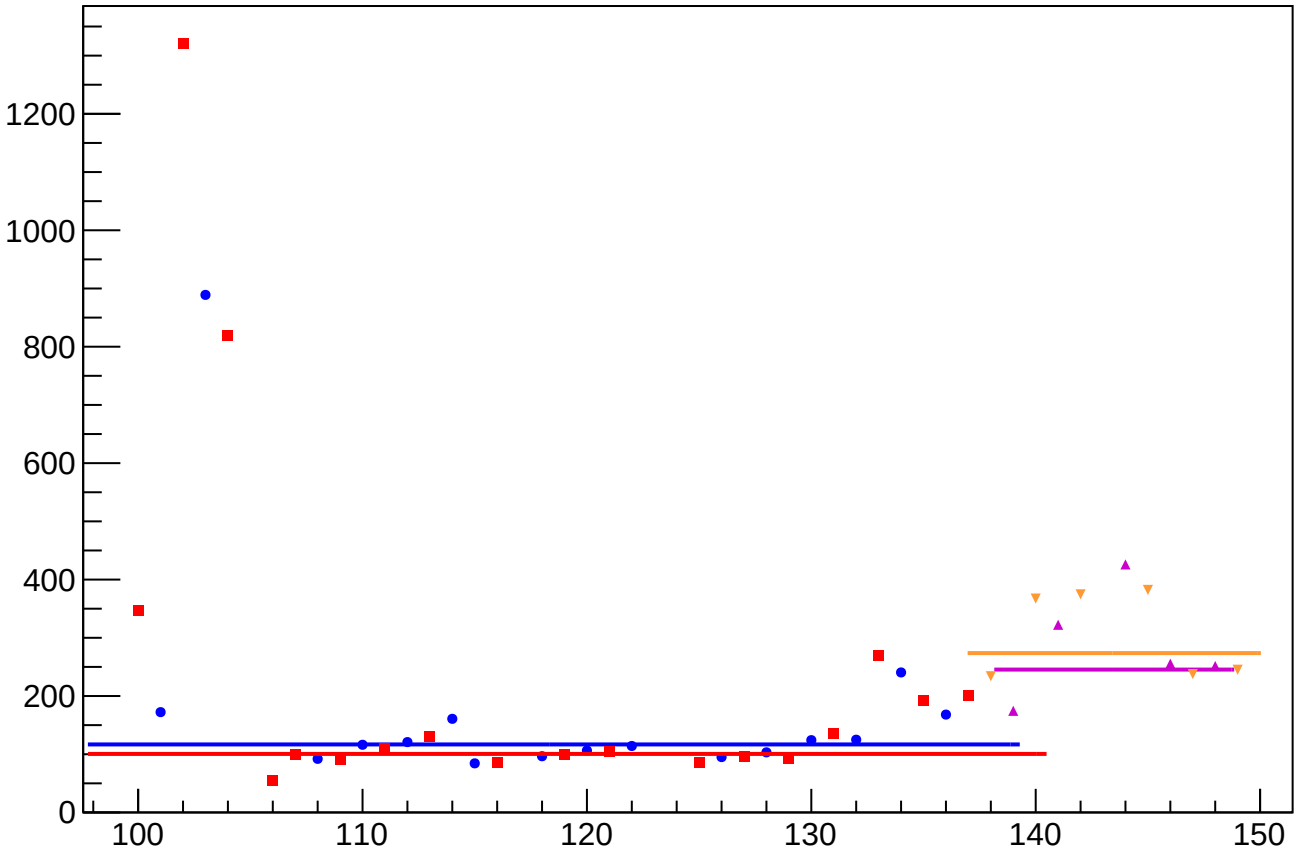
Left: -0.013+/-0.091 χ^2/NDF: 18.9/10

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.6/20

Out: -0.025+/-0.041 χ^2/NDF:36.4/23

All: 0.013+/-0.030 χ^2/NDF: 55.9/44



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 273.722+/-0.094 χ^2/NDF:397404.7/5

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: 258.652+/-0.064 χ^2/NDF: 1117290.9/10

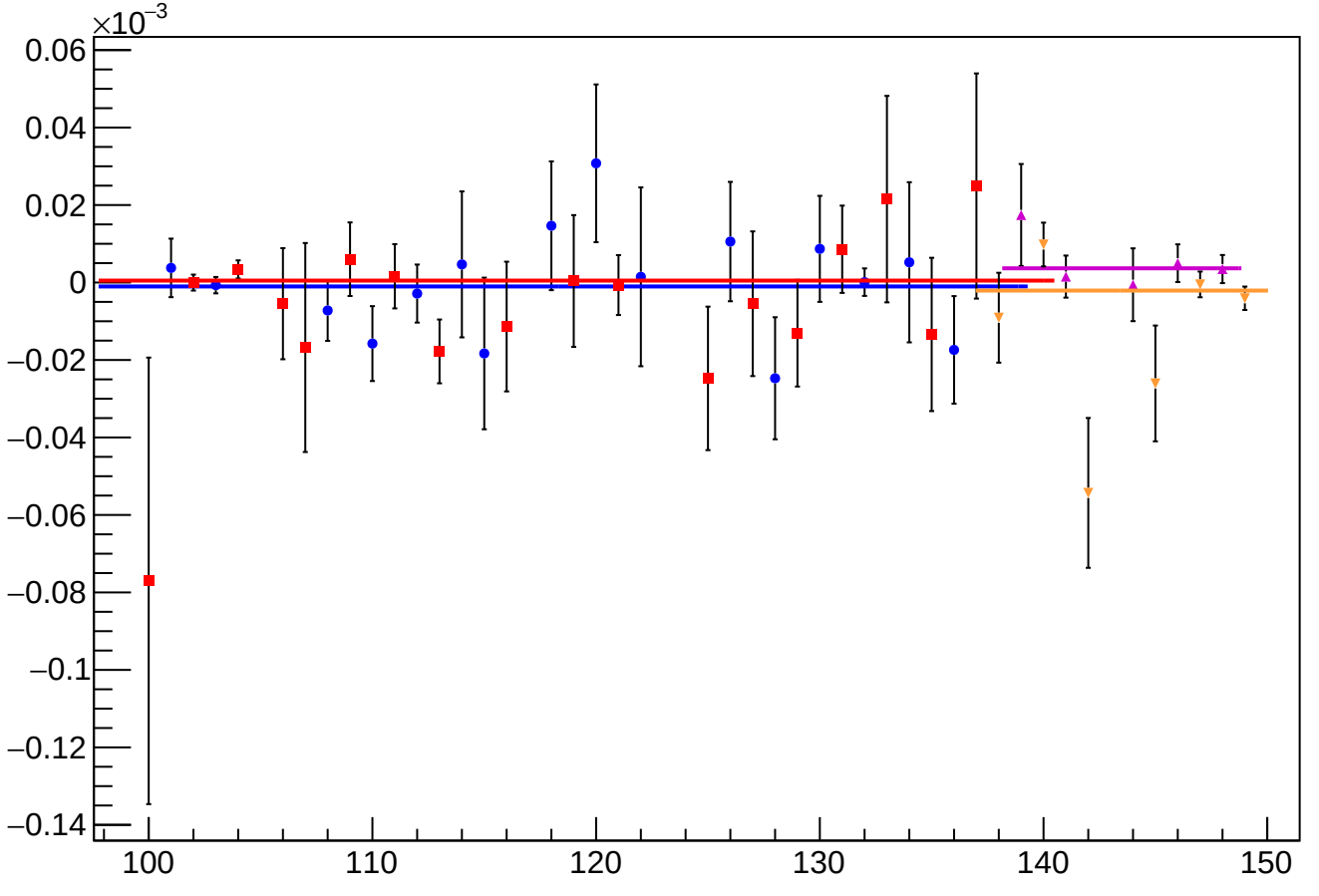
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 133.082+/-0.031 χ^2/NDF:4146303.1/20

Out: 117.149+/-0.029 χ^2/NDF:6117659.6/23

All: 124.536+/-0.021 χ^2/NDF: 10402311.5/44

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

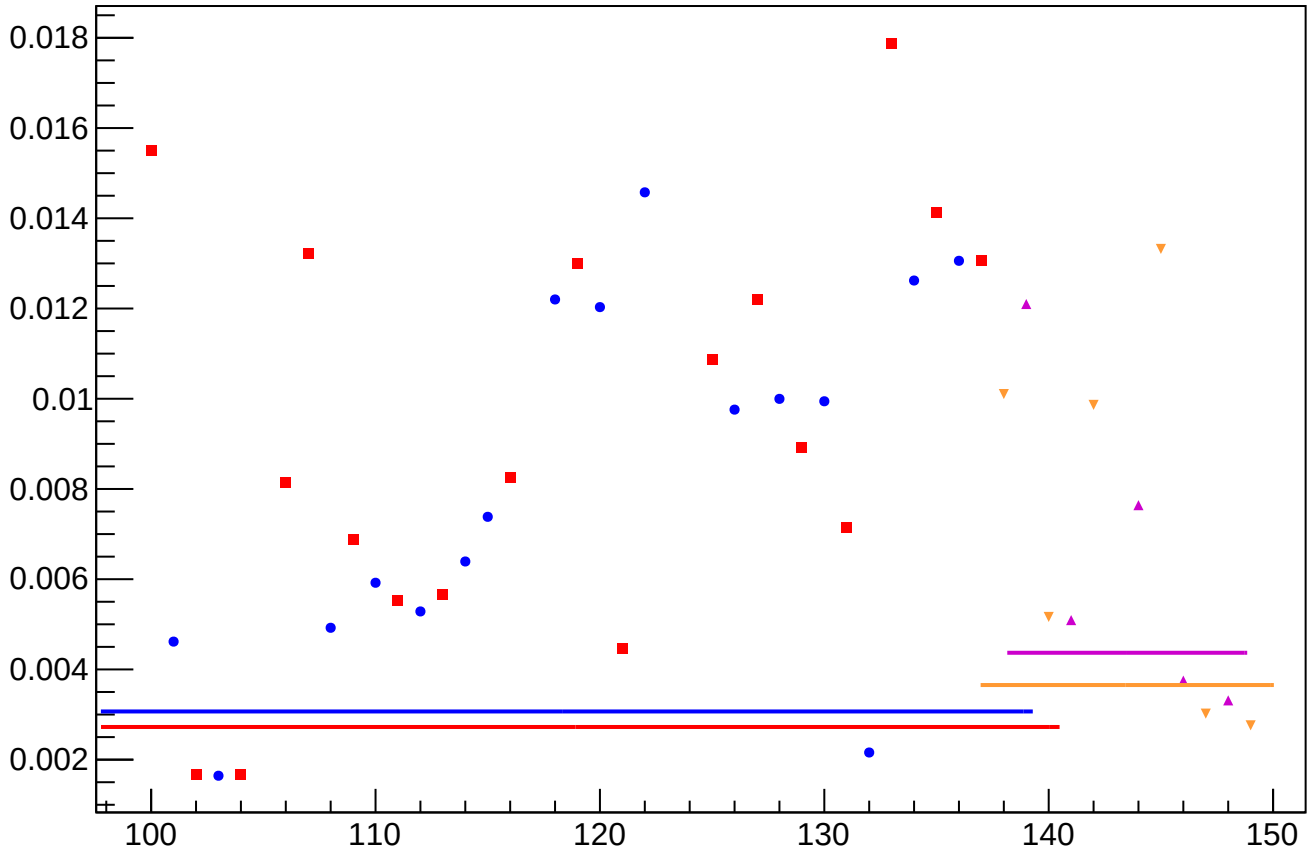
Left: 0.000+/-0.000 χ^2/NDF: 20.2/10

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:31.5/23

All: -0.000+/-0.000 χ^2/NDF: 48.4/44



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2051306.8/5

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1168796.1/4

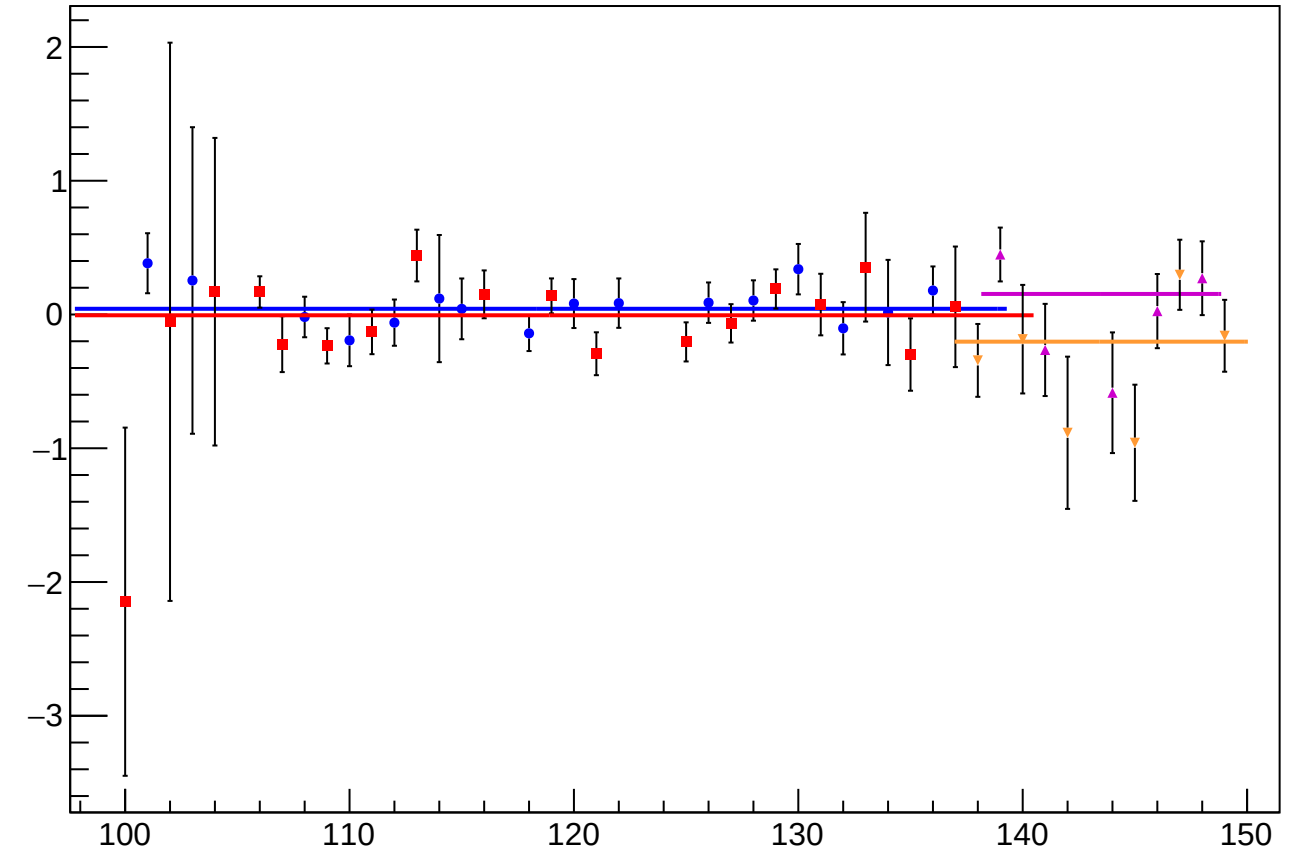
Left: 0.004+/-0.000 χ^2/NDF: 3322621.9/10

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:9052431.9/23

All: 0.003+/-0.000 χ^2/NDF: 16707824.2/44



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.203+/-0.133 χ^2/NDF:8.4/5

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.154+/-0.125 χ^2/NDF:6.7/4

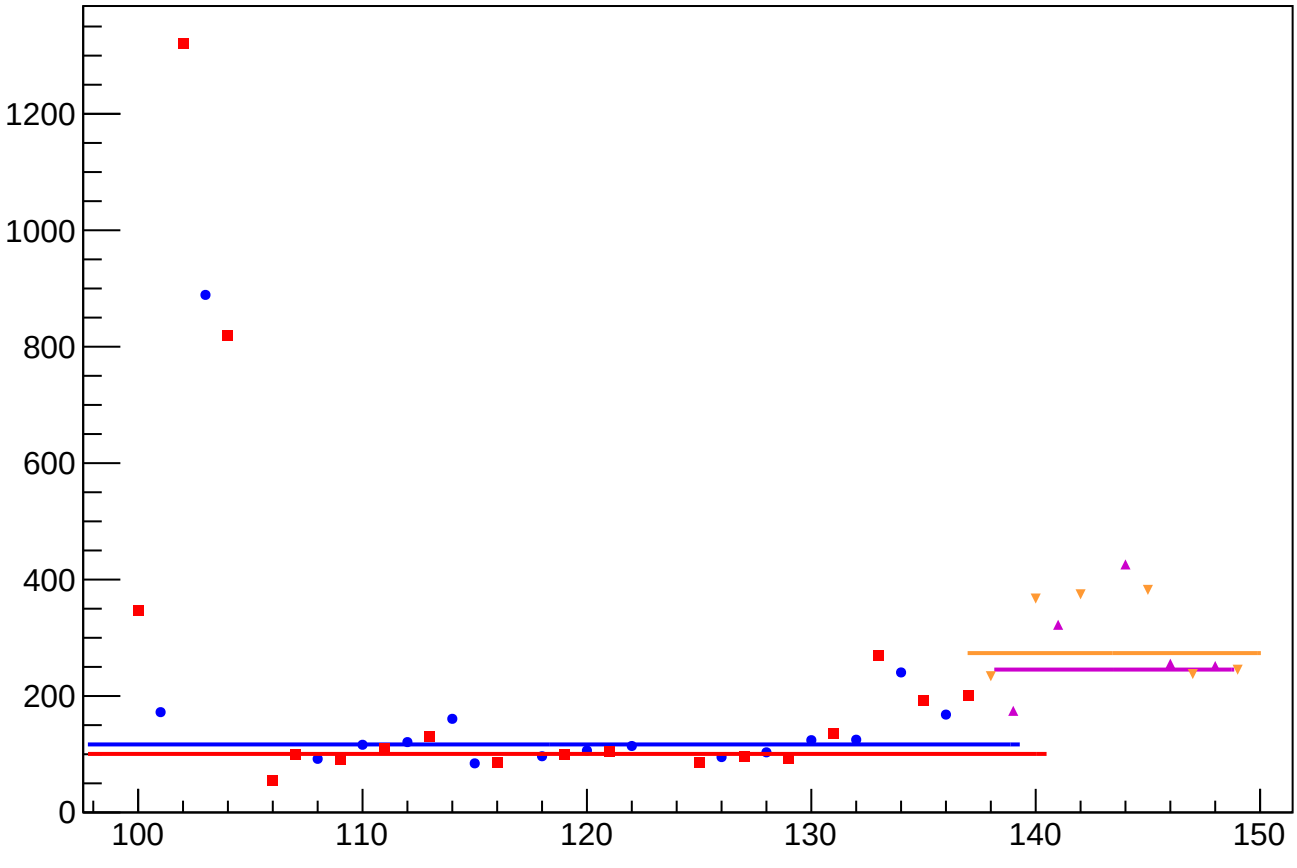
Left: -0.013+/-0.091 χ^2/NDF: 18.9/10

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.7/20

Out: -0.025+/-0.041 χ^2/NDF:36.4/23

All: 0.013+/-0.030 χ^2/NDF: 55.9/44



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 273.725+/-0.094 χ^2/NDF:397407.1/5

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: 258.655+/-0.064 χ^2/NDF: 1117258.5/10

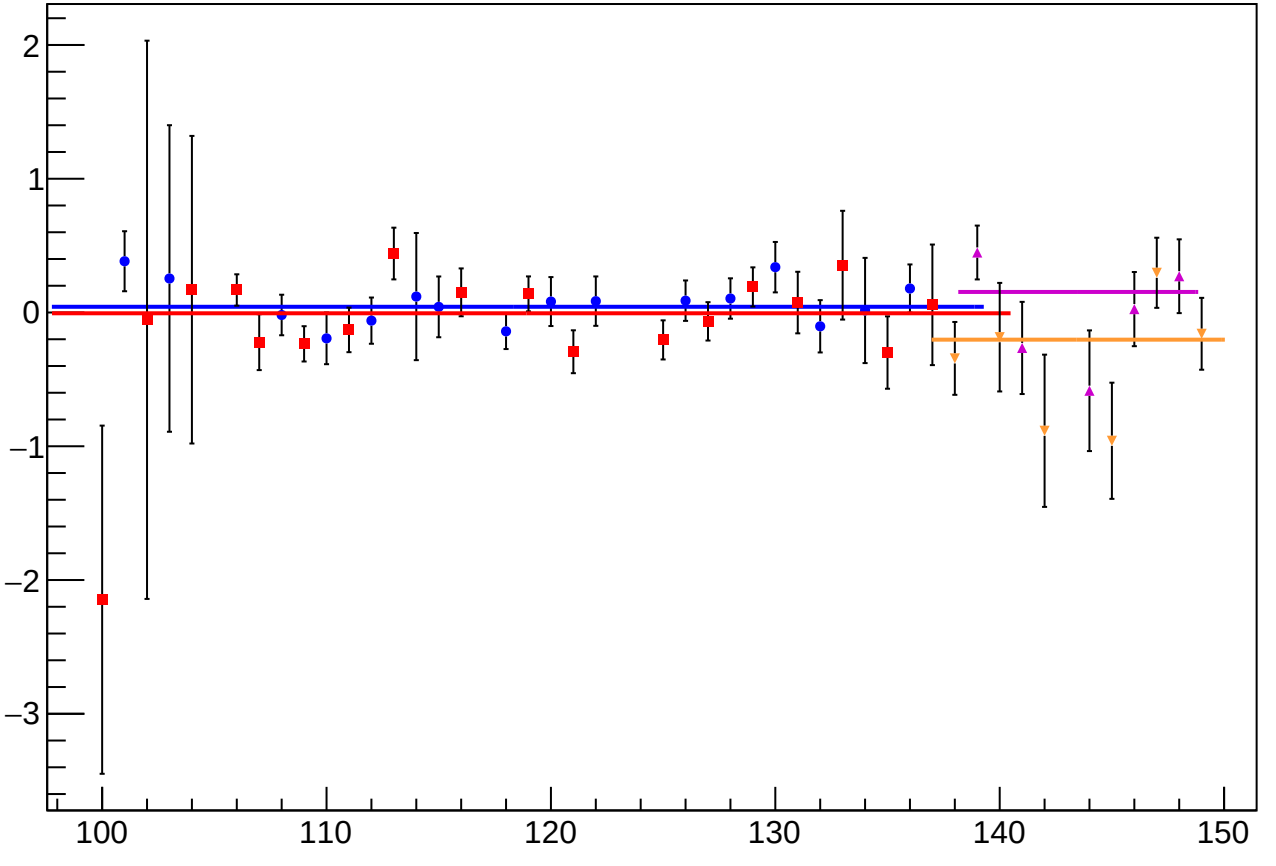
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 133.082+/-0.031 χ^2/NDF:4146348.2/20

Out: 117.148+/-0.029 χ^2/NDF:6117819.5/23

All: 124.535+/-0.021 χ^2/NDF: 10402535.5/44

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.203+/-0.133 χ^2/NDF:8.4/5

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: -0.013+/-0.091 χ^2/NDF: 18.9/10

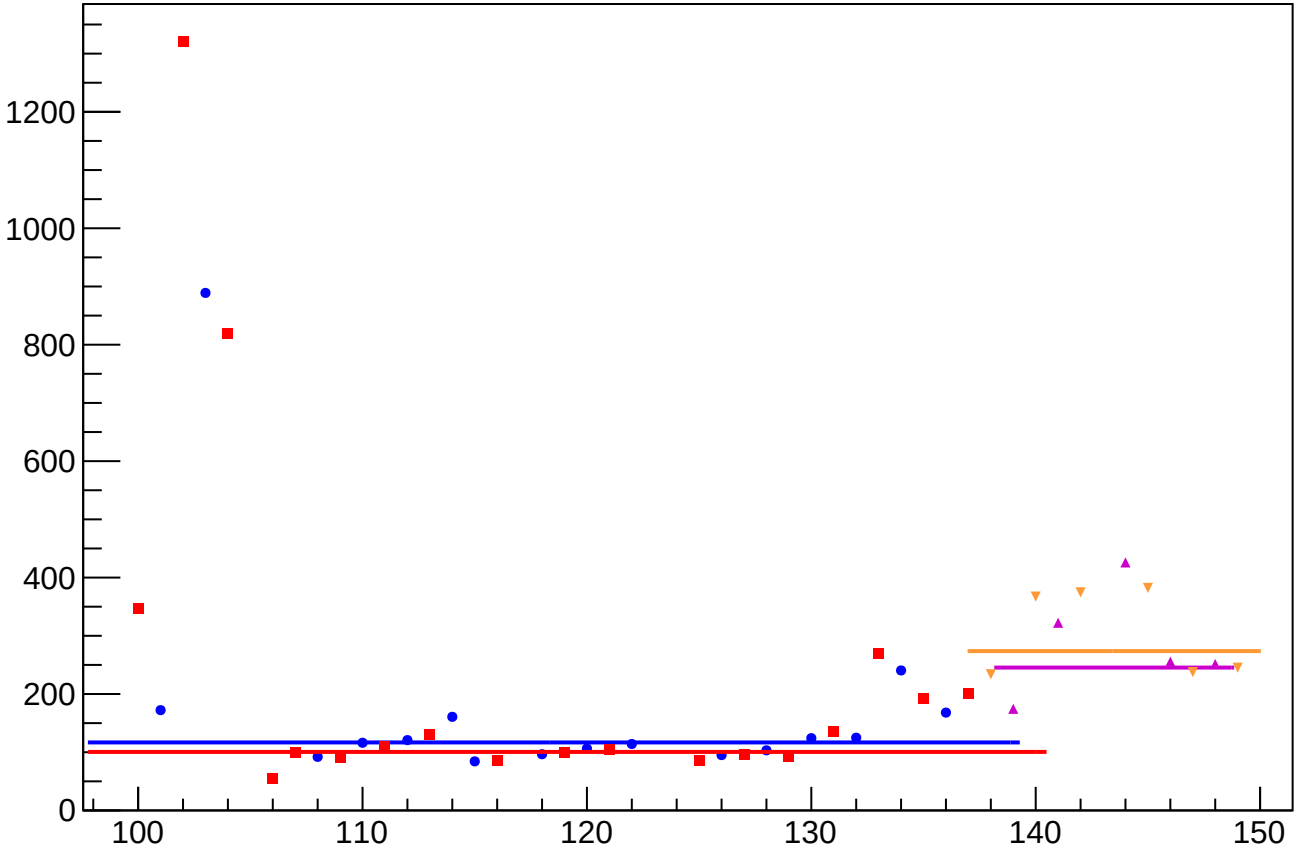
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.044 χ^2/NDF:17.7/20

Out: -0.025+/-0.041 χ^2/NDF:36.4/23

All: 0.013+/-0.030 χ^2/NDF: 55.9/44

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: 273.725+/-0.094 χ^2/NDF:397407.1/5

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 245.421+/-0.088 χ^2/NDF:671779.1/4

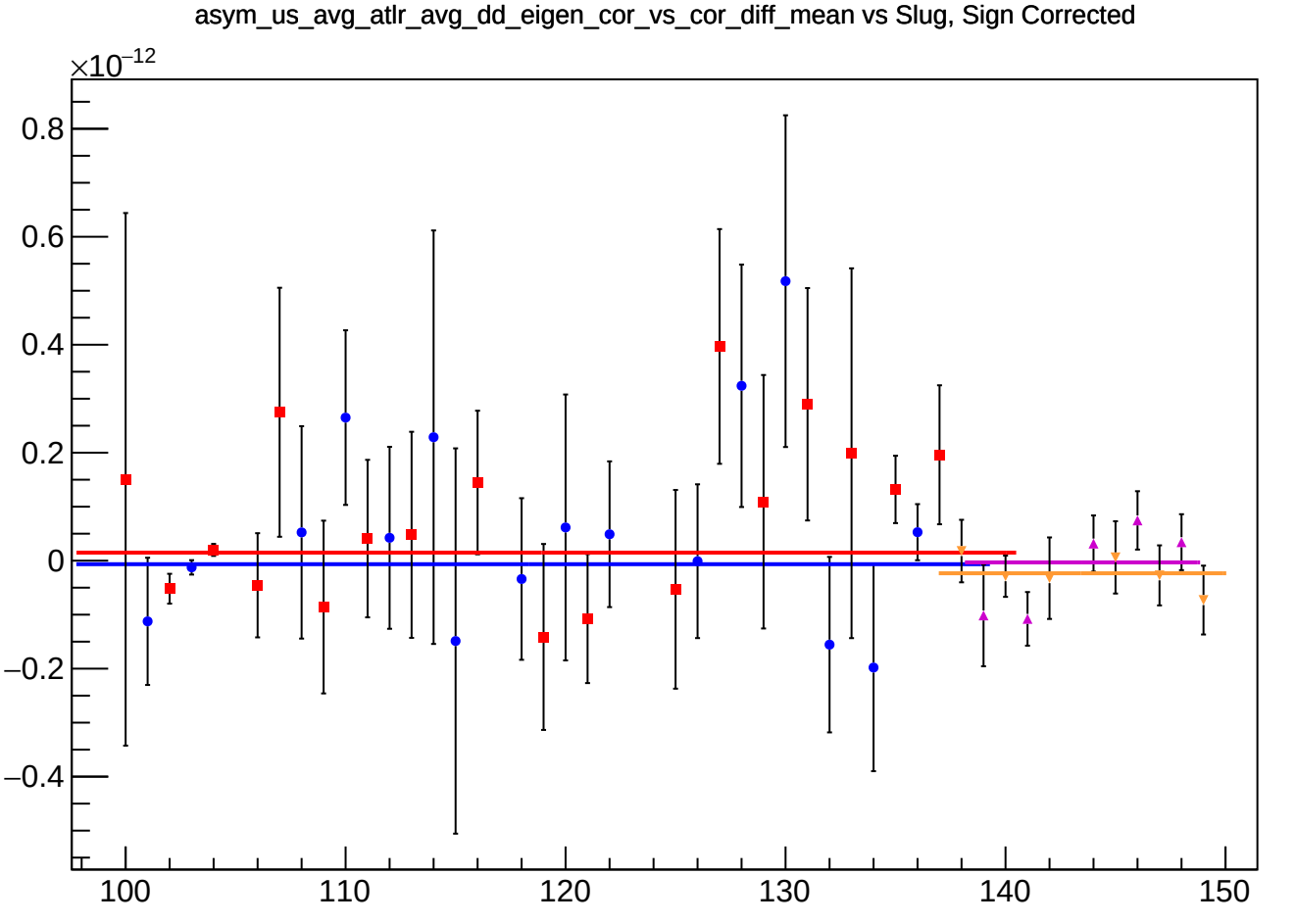
Left: 258.655+/-0.064 χ^2/NDF: 1117258.5/10

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 133.082+/-0.031 χ^2/NDF:4146348.2/20

Out: 117.148+/-0.029 χ^2/NDF:6117819.5/23

All: 124.535+/-0.021 χ^2/NDF: 10402535.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/4

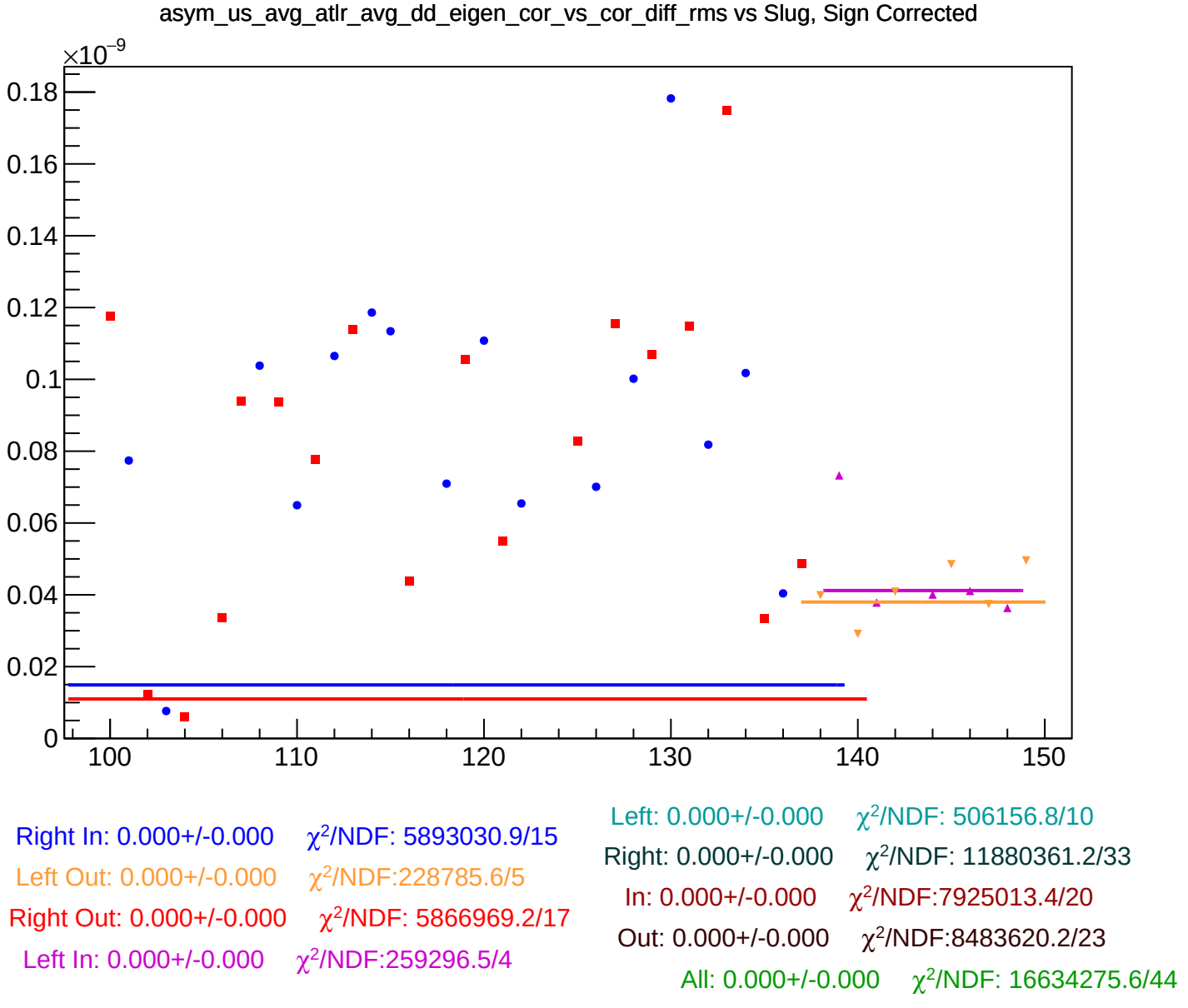
Left: -0.000+/-0.000 χ^2/NDF: 10.3/10

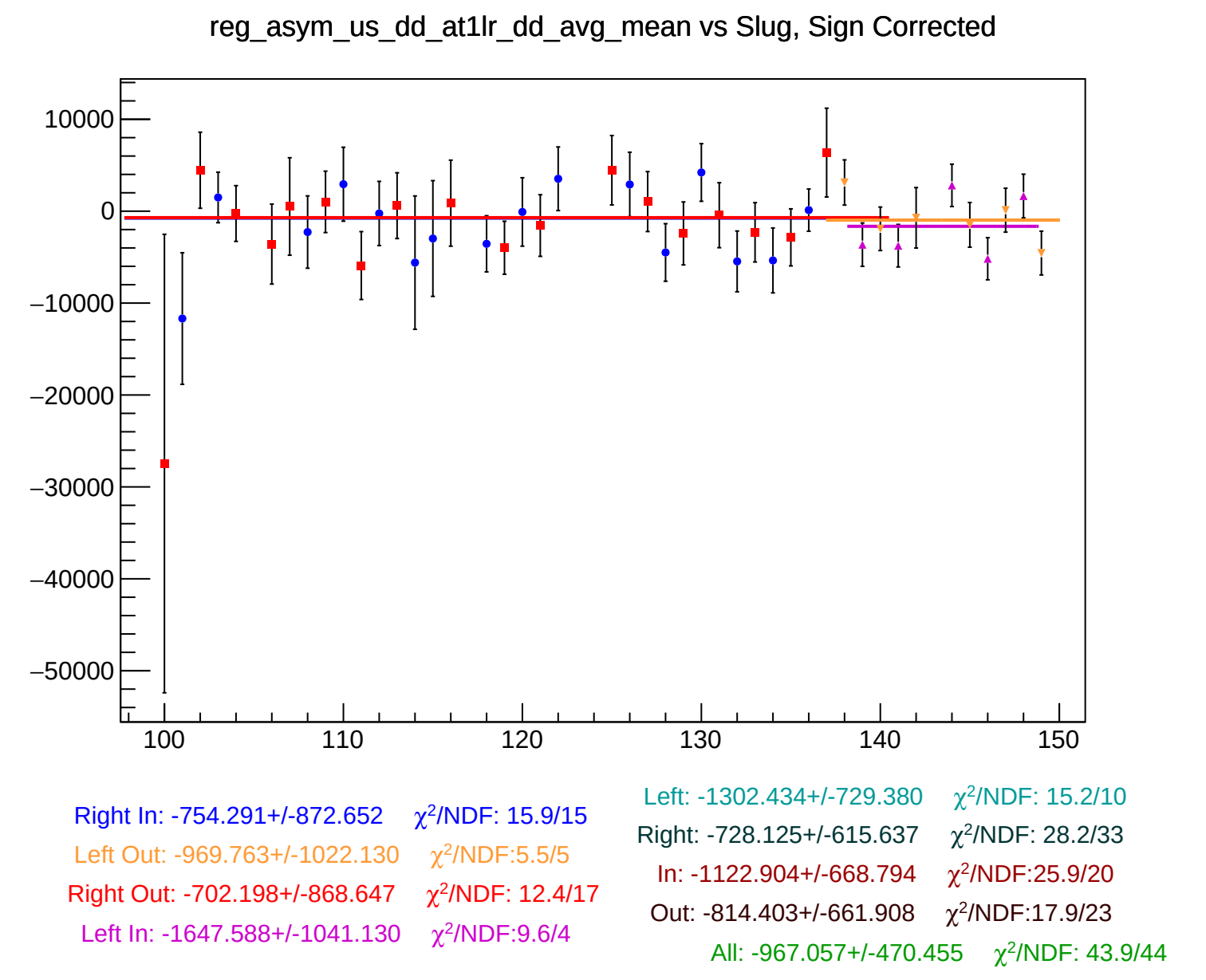
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

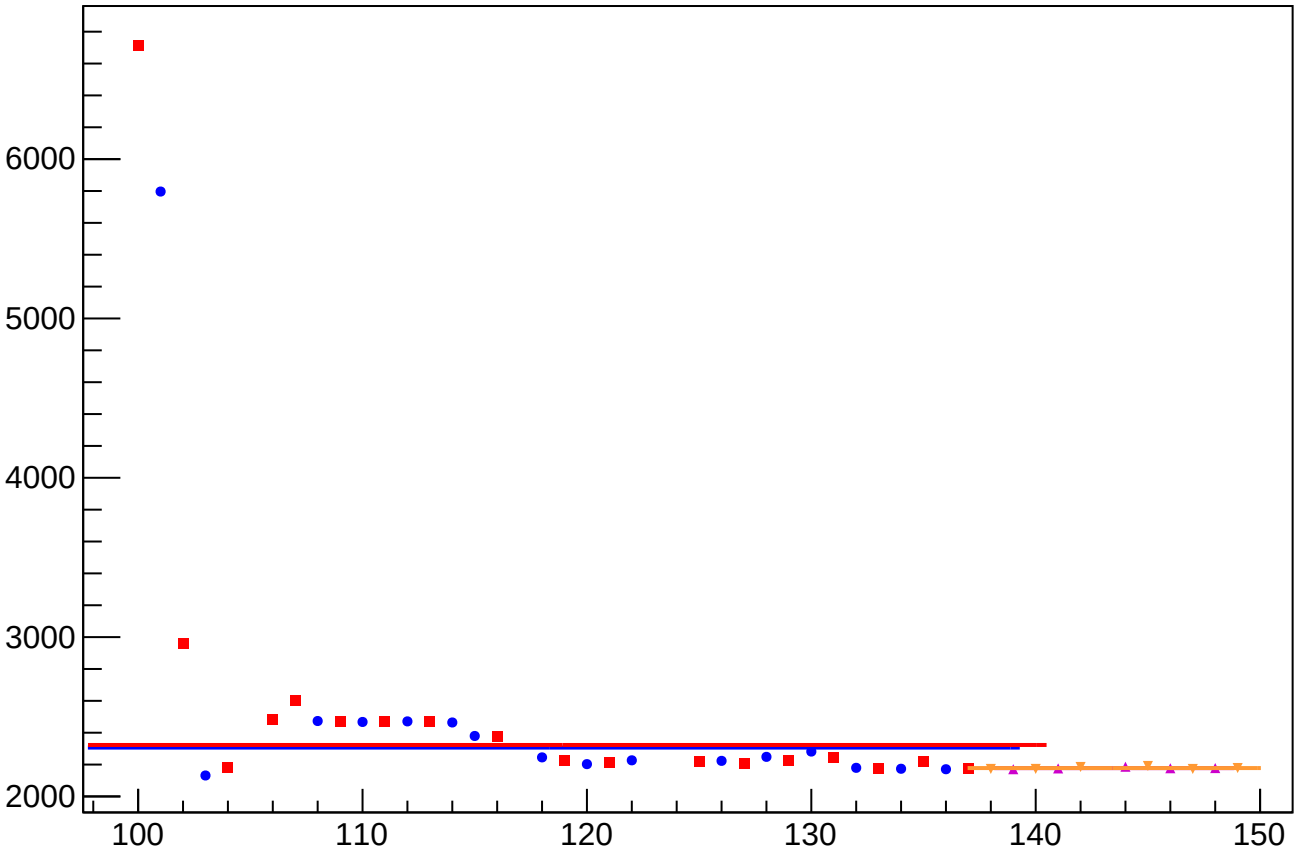
In: -0.000+/-0.000 χ^2/NDF:21.6/20

Out: 0.000+/-0.000 χ^2/NDF:25.6/23

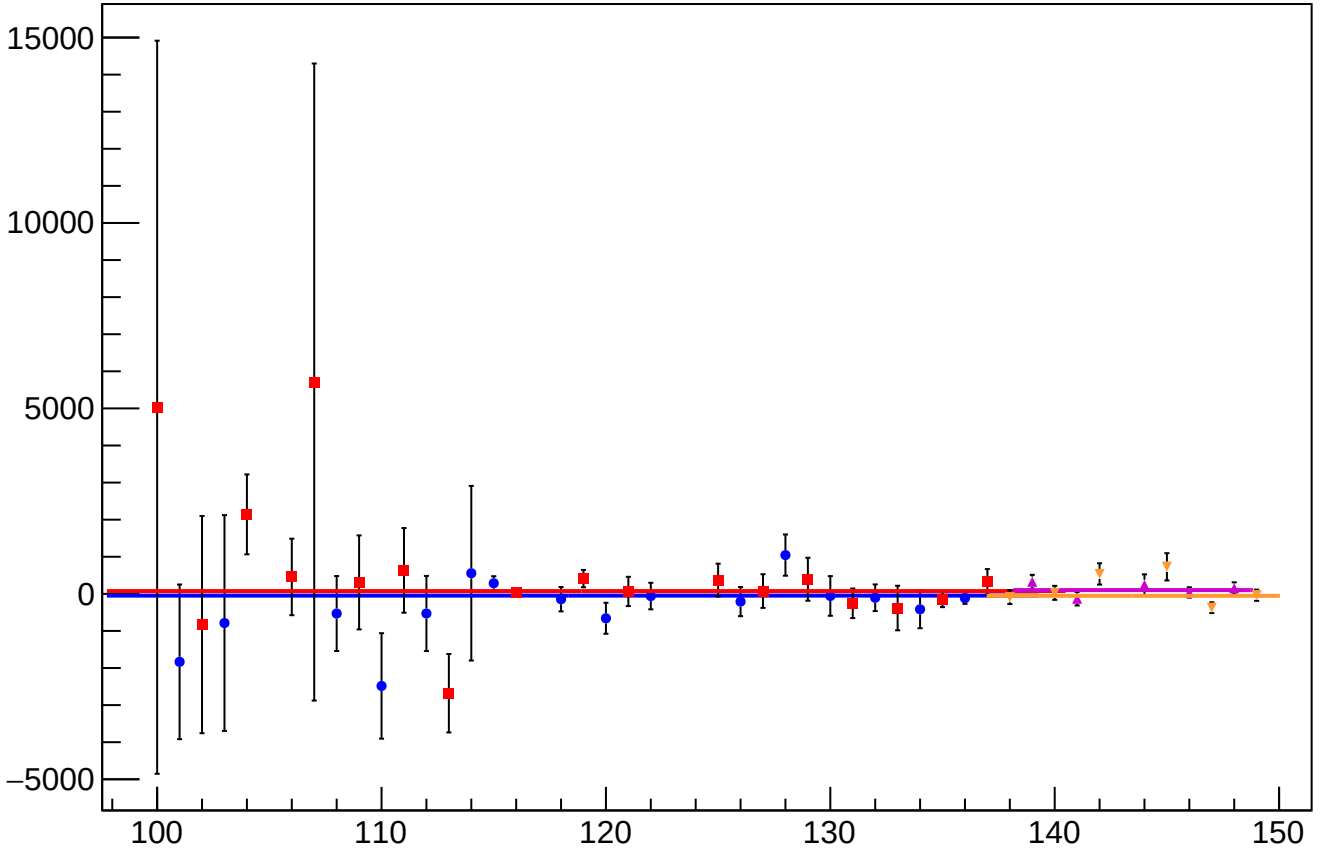
All: 0.000+/-0.000 χ^2/NDF: 48.3/44


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:228785.6/5
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: 506156.8/10
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:8483620.2/23
All: 0.000+/-0.000 χ²/NDF: 16634275.6/44


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: -969.763+/-1022.130 χ²/NDF:5.5/5
Right Out: -702.198+/-868.647 χ²/NDF: 12.4/17
Left In: -1647.588+/-1041.130 χ²/NDF:9.6/4
Left: -1302.434+/-729.380 χ²/NDF: 15.2/10
Right: -728.125+/-615.637 χ²/NDF: 28.2/33
In: -1122.904+/-668.794 χ²/NDF:25.9/20
Out: -814.403+/-661.908 χ²/NDF:17.9/23
All: -967.057+/-470.455 χ²/NDF: 43.9/44


reg_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: 514150.3/15
Left Out: 2178.062+/-0.723 χ²/NDF:97.9/5
Right Out: 2323.010+/-0.614 χ²/NDF: 151787.1/17
Left In: 2177.800+/-0.736 χ²/NDF:47.3/4
Left: 2177.934+/-0.516 χ²/NDF: 145.2/10
Right: 2314.864+/-0.435 χ²/NDF: 666290.7/33
In: 2253.477+/-0.473 χ²/NDF:532188.2/20
Out: 2262.225+/-0.468 χ²/NDF:175238.5/23
All: 2257.897+/-0.333 χ²/NDF: 707599.6/44

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: -53.767+/-77.508 χ^2/NDF:13.7/5

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: 22.300+/-55.226 χ^2/NDF: 19.3/10

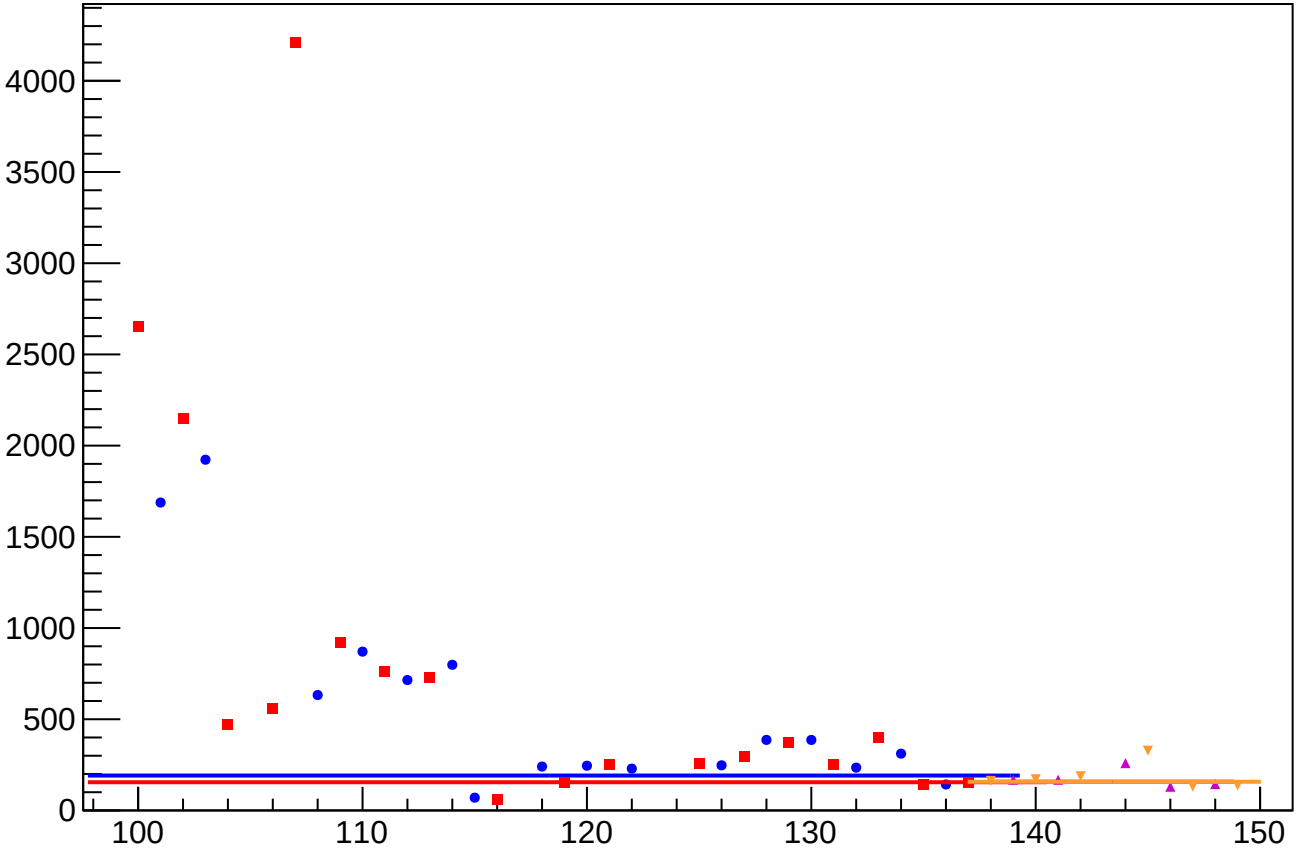
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 37.051+/-59.506 χ^2/NDF:19.5/20

Out: 6.317+/-56.451 χ^2/NDF:32.7/23

All: 20.875+/-40.955 χ^2/NDF: 52.3/44

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: 157.249+/-0.055 χ^2/NDF:568785.4/5

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 157.655+/-0.056 χ^2/NDF:364202.9/4

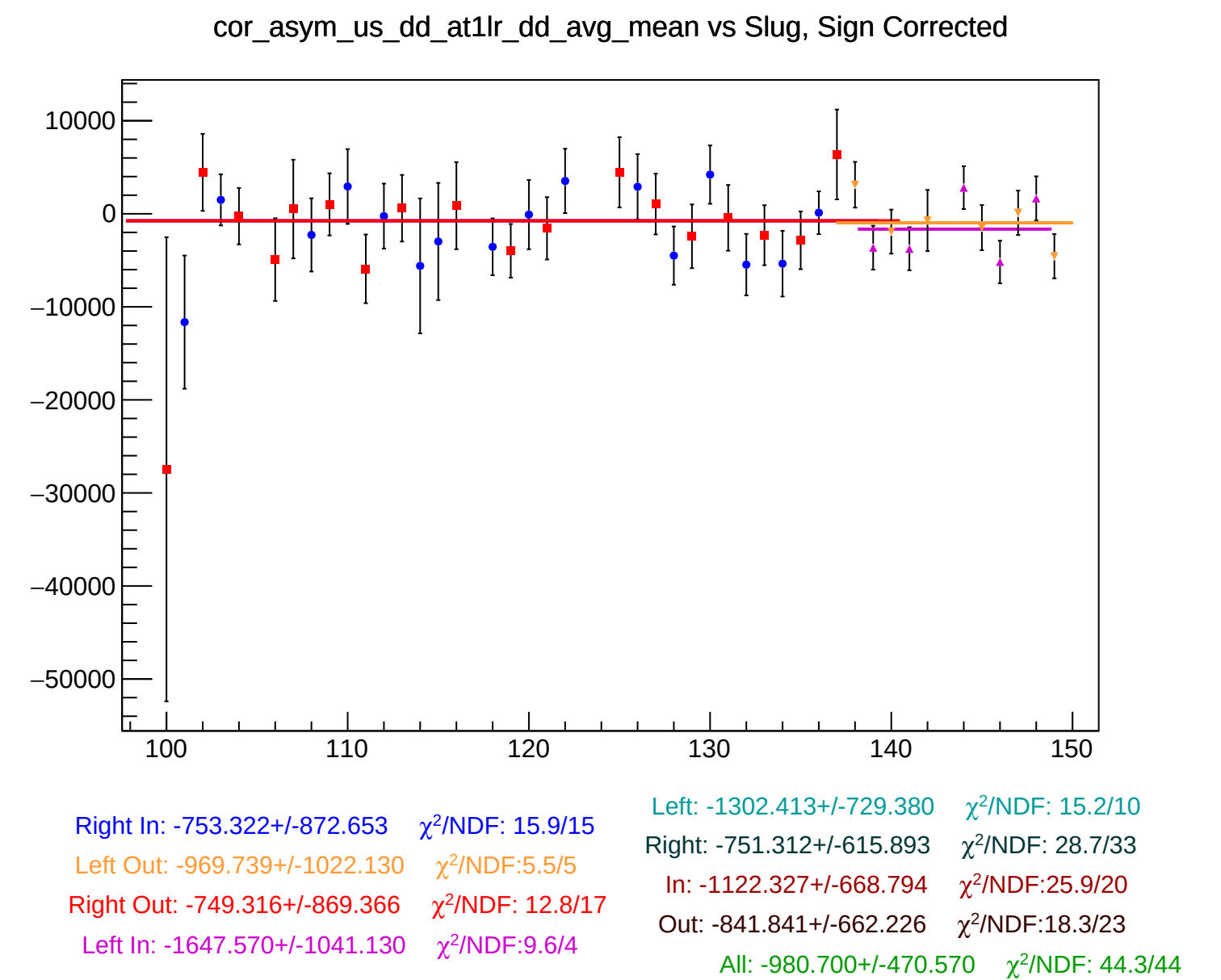
Left: 157.449+/-0.039 χ^2/NDF: 933015.4/10

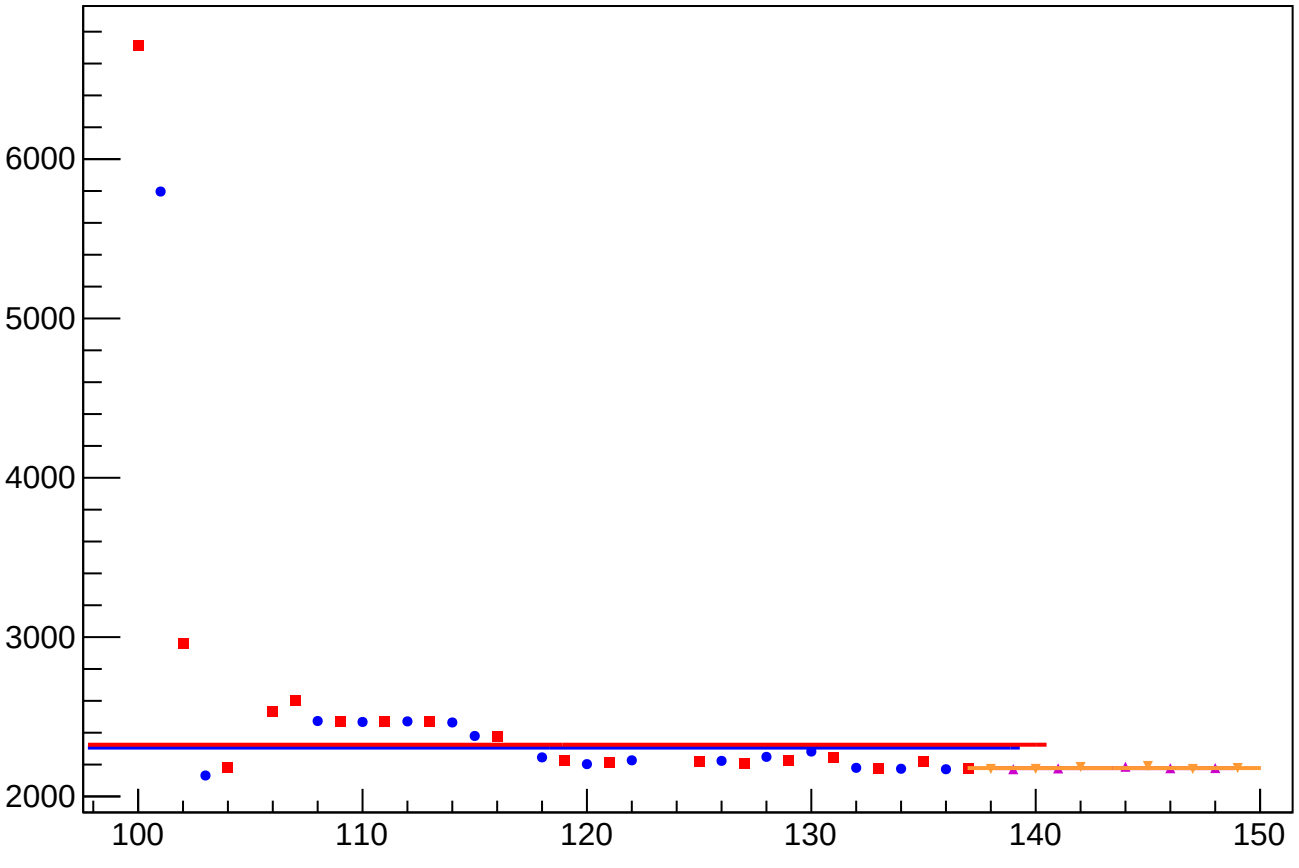
Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 172.104+/-0.042 χ^2/NDF:5586263.0/20

Out: 156.041+/-0.040 χ^2/NDF:6724105.8/23

All: 163.650+/-0.029 χ^2/NDF: 12387065.4/44


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: -969.739+/-1022.130 χ²/NDF:5.5/5
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -1647.570+/-1041.130 χ²/NDF:9.6/4
Left: -1302.413+/-729.380 χ²/NDF: 15.2/10
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -1122.327+/-668.794 χ²/NDF:25.9/20
Out: -841.841+/-662.226 χ²/NDF:18.3/23
All: -980.700+/-470.570 χ²/NDF: 44.3/44



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.062+/-0.723 χ^2/NDF:97.9/5

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: 2177.934+/-0.516 χ^2/NDF: 145.2/10

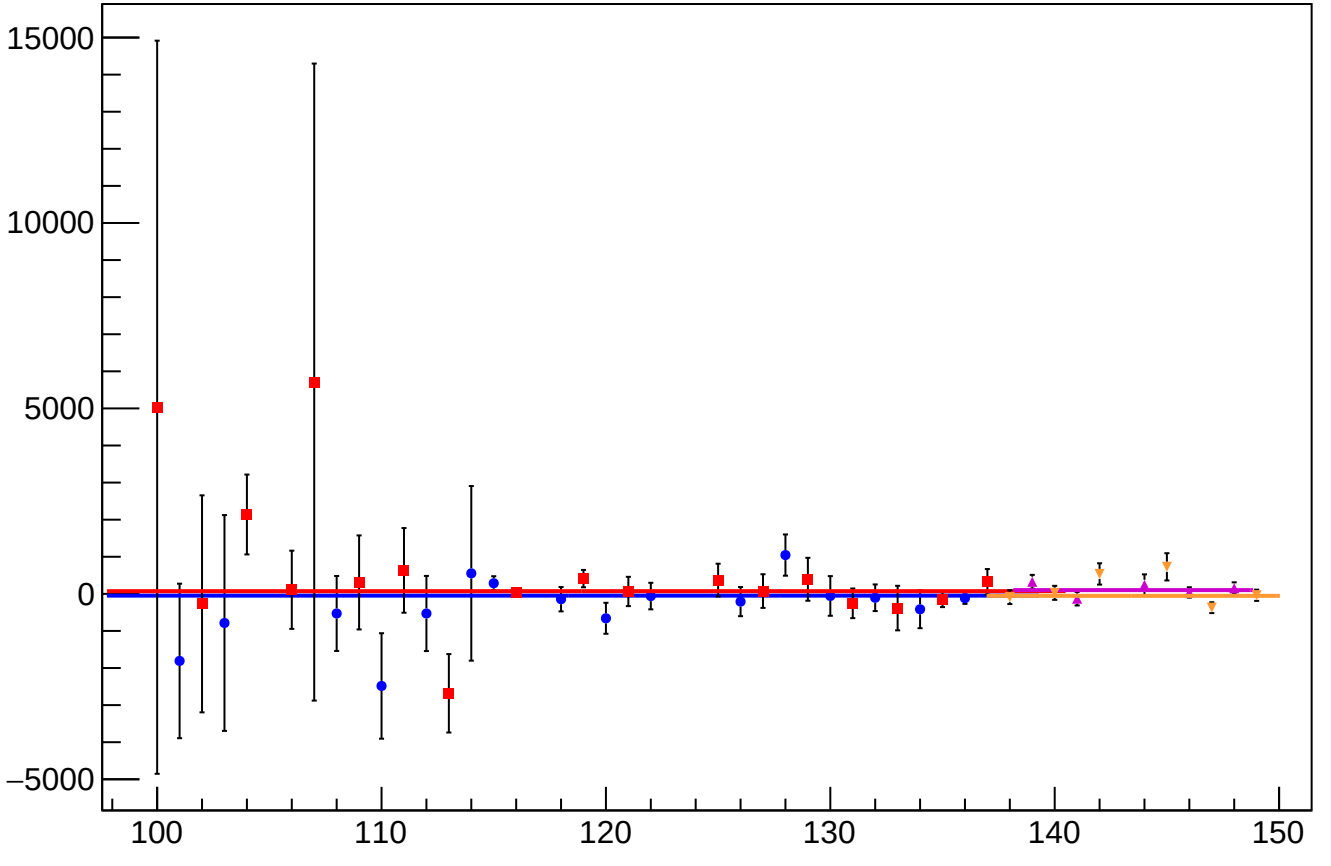
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2253.477+/-0.473 χ^2/NDF:532188.5/20

Out: 2263.139+/-0.468 χ^2/NDF:177556.0/23

All: 2258.356+/-0.333 χ^2/NDF: 709955.2/44

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: -53.887+/-77.508 χ^2/NDF:13.7/5

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 100.986+/-78.714 χ^2/NDF:3.6/4

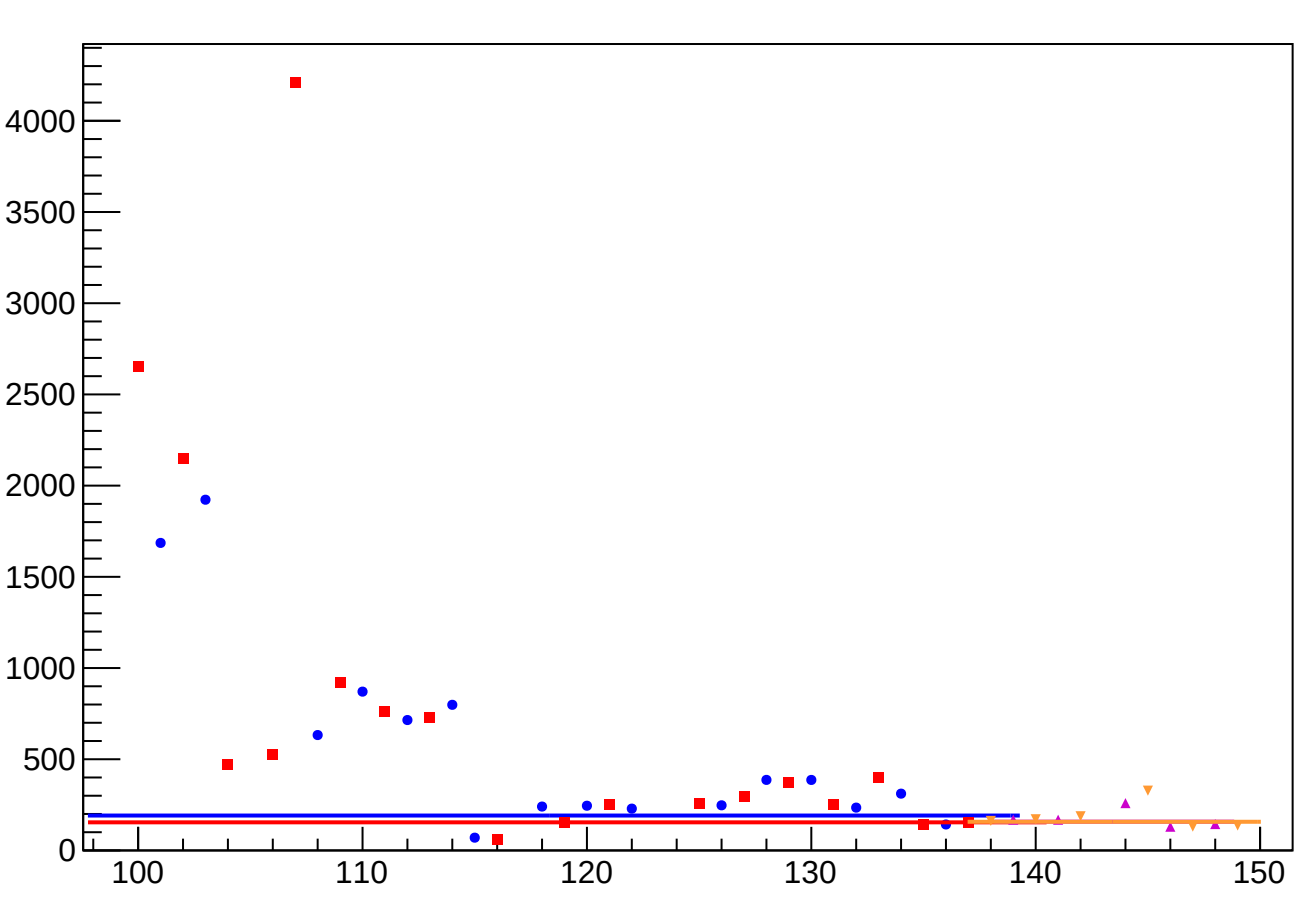
Left: 22.353+/-55.228 χ^2/NDF: 19.3/10

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.174+/-59.510 χ^2/NDF:19.5/20

Out: 5.361+/-56.432 χ^2/NDF:32.4/23

All: 20.424+/-40.948 χ^2/NDF: 52.0/44



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 157.248+/-0.055 χ^2/NDF:568892.2/5

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

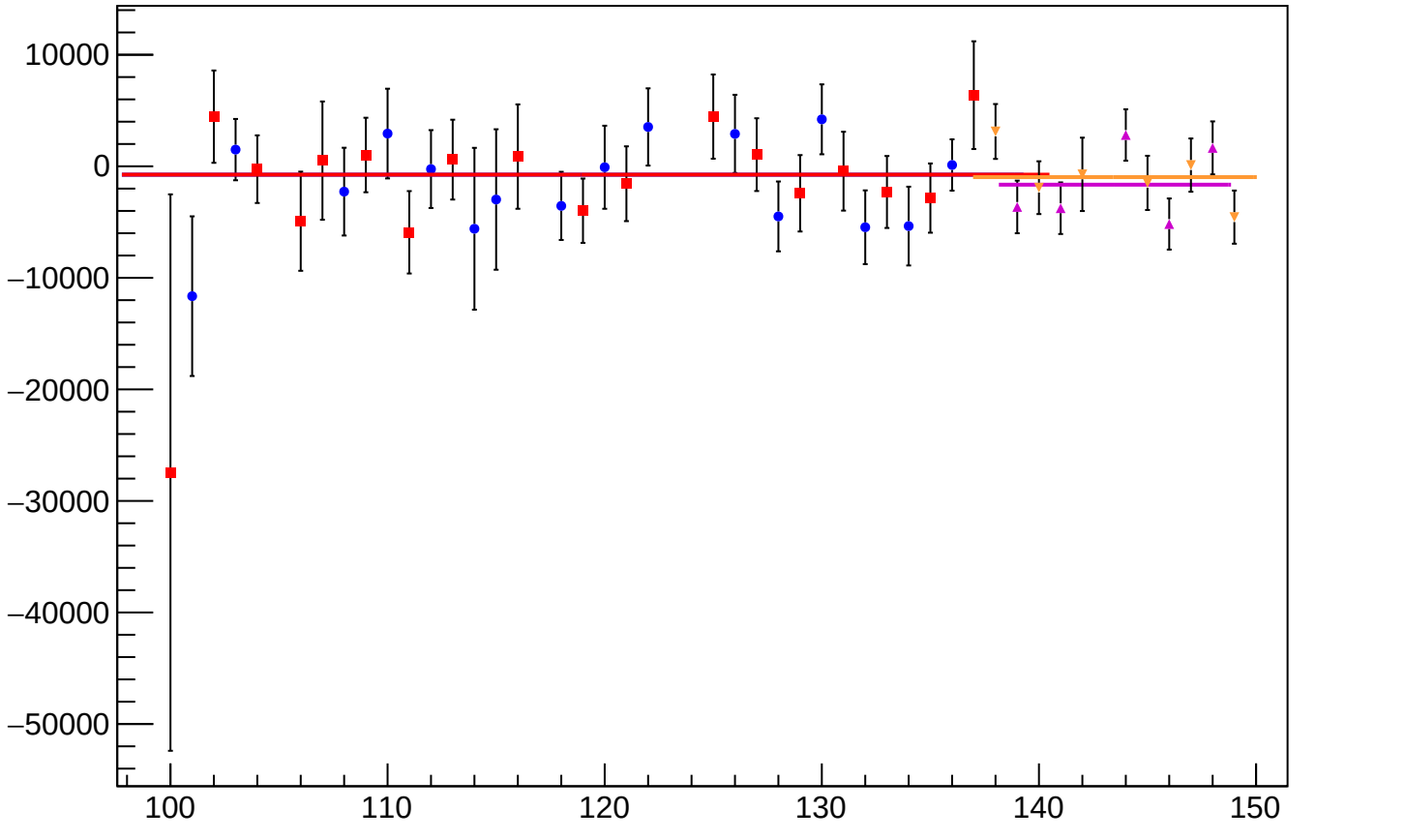
Left: 157.455+/-0.039 χ^2/NDF: 933029.5/10

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 172.122+/-0.042 χ^2/NDF:5585102.1/20

Out: 155.779+/-0.040 χ^2/NDF:6679086.5/23

All: 163.517+/-0.029 χ^2/NDF: 12343615.4/44



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -969.739+/-1022.130 χ^2/NDF:5.5/5

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1647.570+/-1041.130 χ^2/NDF:9.6/4

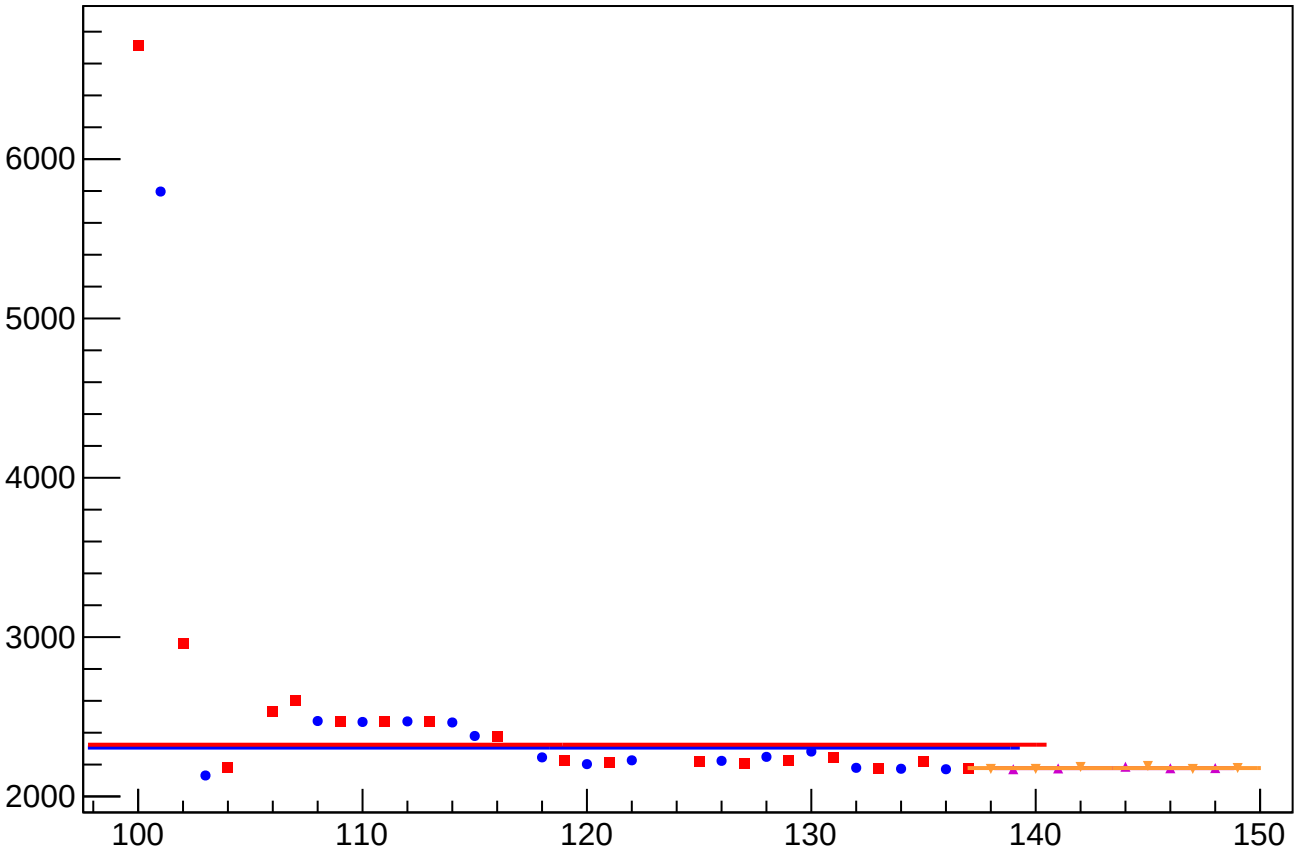
Left: -1302.413+/-729.380 χ^2/NDF: 15.2/10

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1122.327+/-668.794 χ^2/NDF:25.9/20

Out: -841.841+/-662.226 χ^2/NDF:18.3/23

All: -980.700+/-470.570 χ^2/NDF: 44.3/44



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.062+/-0.723 χ^2/NDF:97.9/5

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: 2177.934+/-0.516 χ^2/NDF: 145.2/10

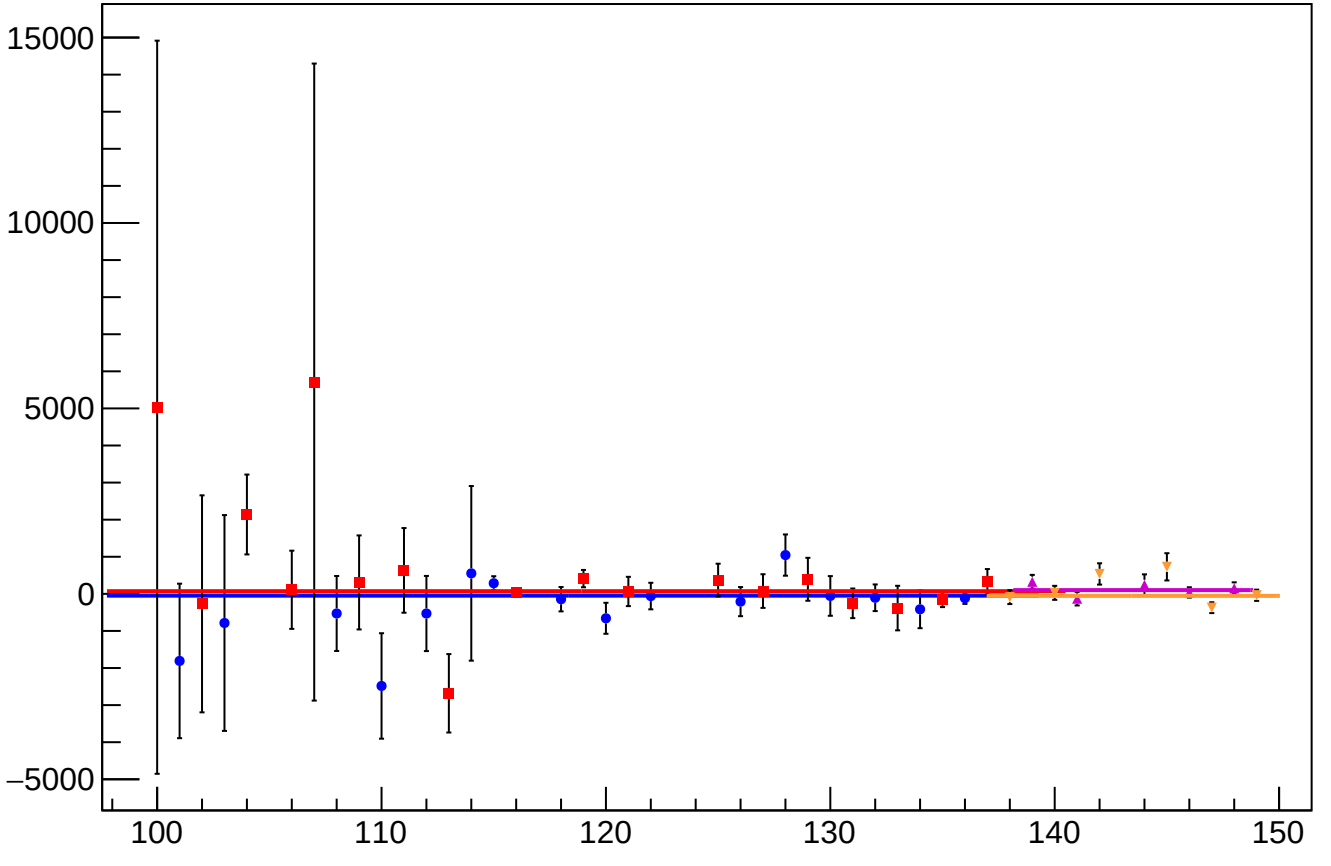
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2253.477+/-0.473 χ^2/NDF:532188.5/20

Out: 2263.139+/-0.468 χ^2/NDF:177556.0/23

All: 2258.356+/-0.333 χ^2/NDF: 709955.2/44

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: -53.887+/-77.508 χ^2/NDF:13.7/5

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: 22.353+/-55.228 χ^2/NDF: 19.3/10

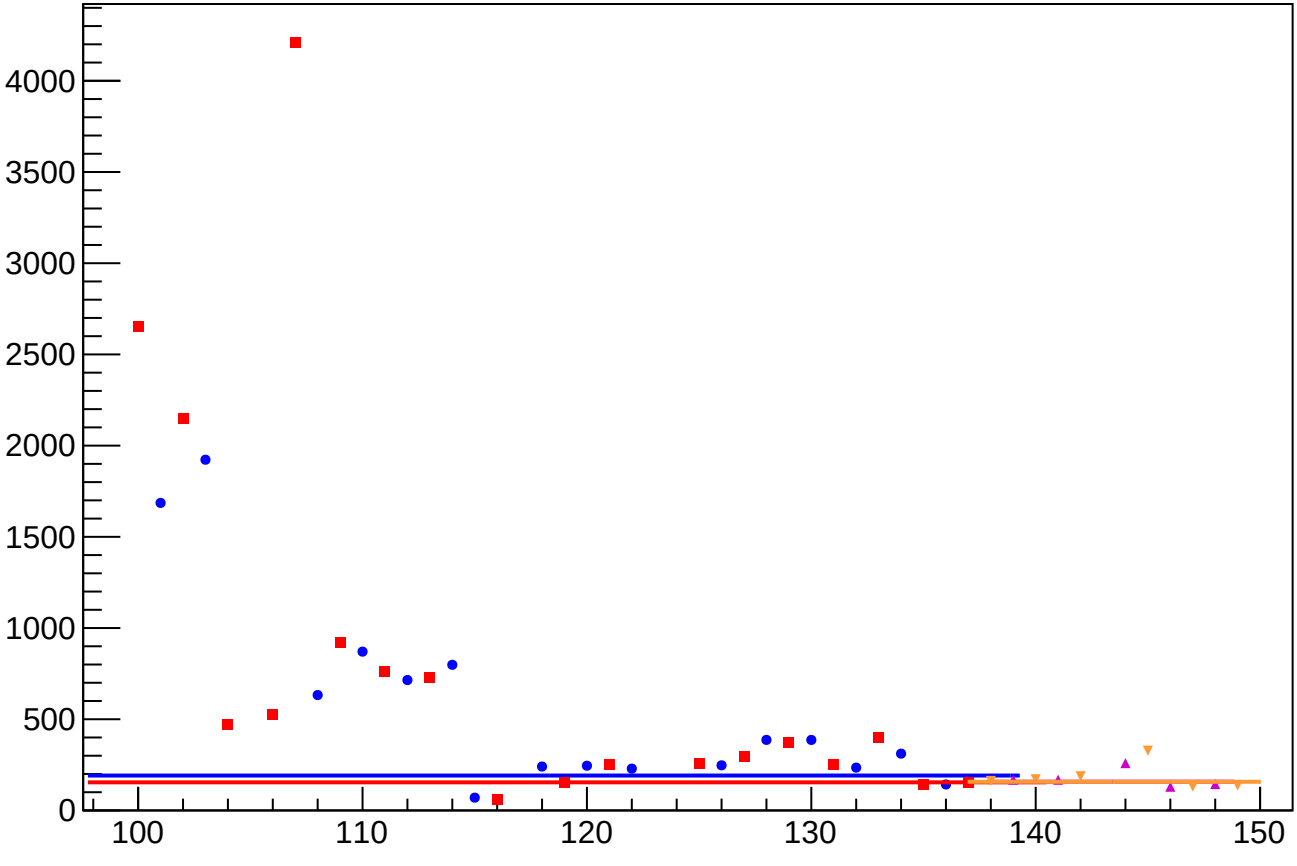
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.174+/-59.510 χ^2/NDF:19.5/20

Out: 5.361+/-56.432 χ^2/NDF:32.4/23

All: 20.424+/-40.948 χ^2/NDF: 52.0/44

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: 157.248+/-0.055 χ^2/NDF:568892.2/5

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 157.669+/-0.056 χ^2/NDF:364108.3/4

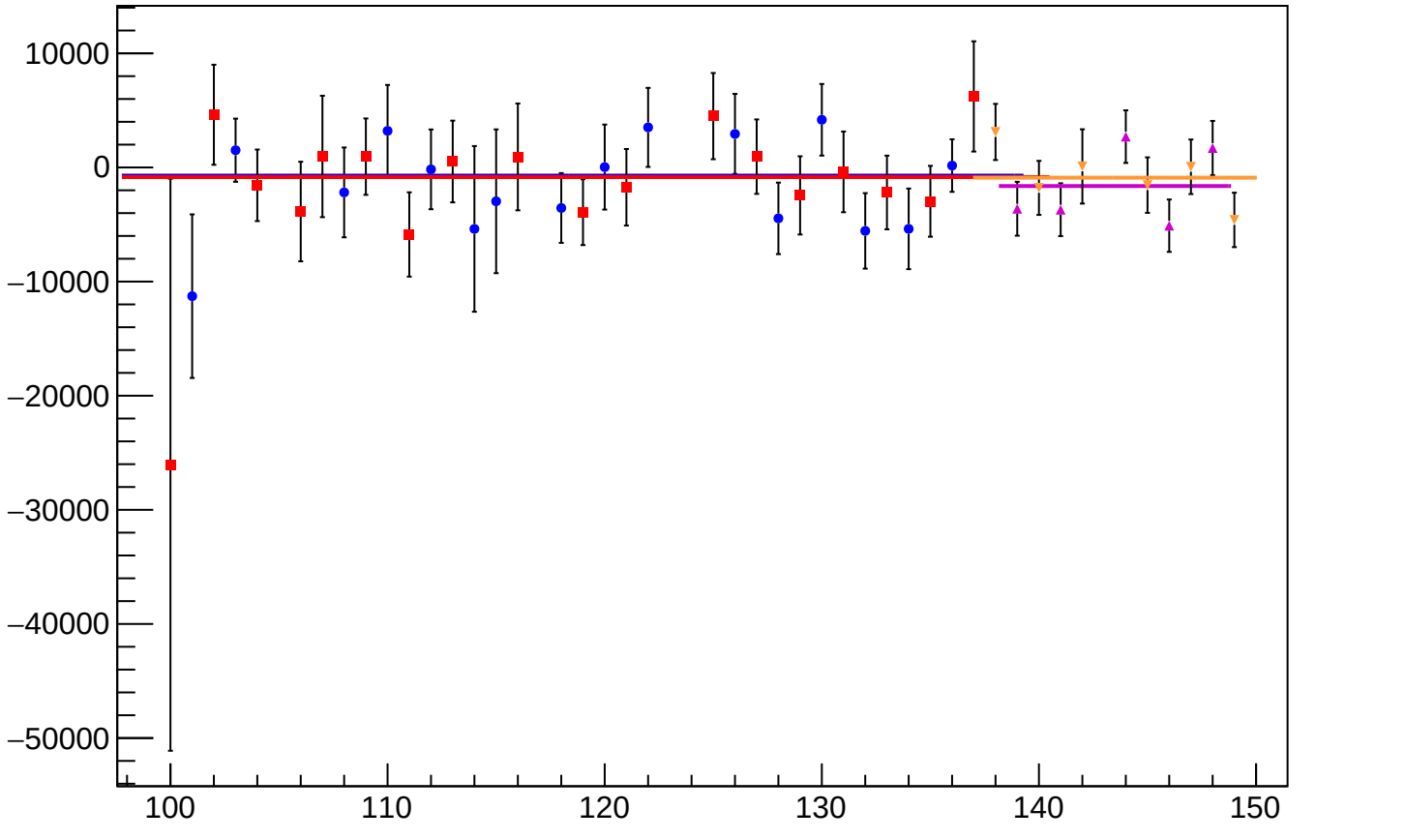
Left: 157.455+/-0.039 χ^2/NDF: 933029.5/10

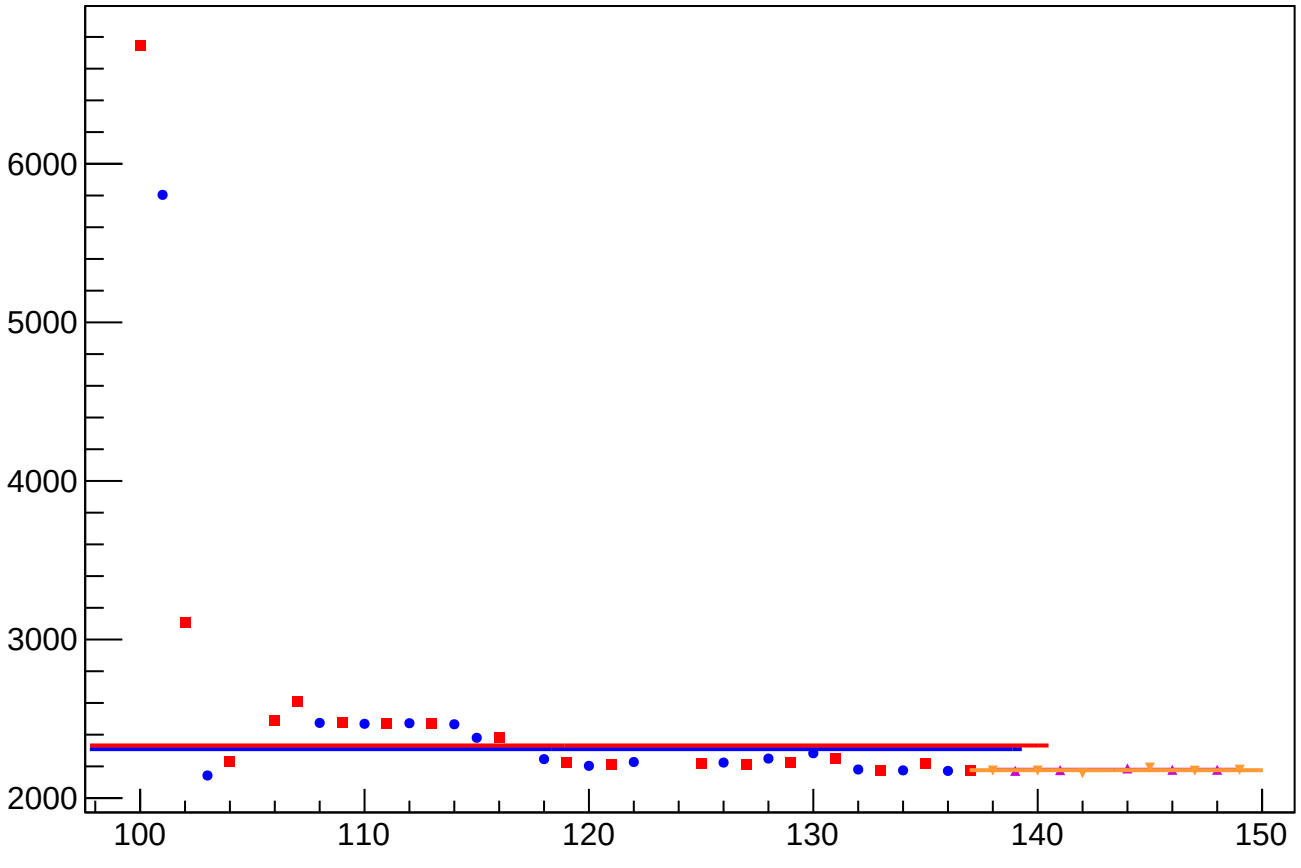
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

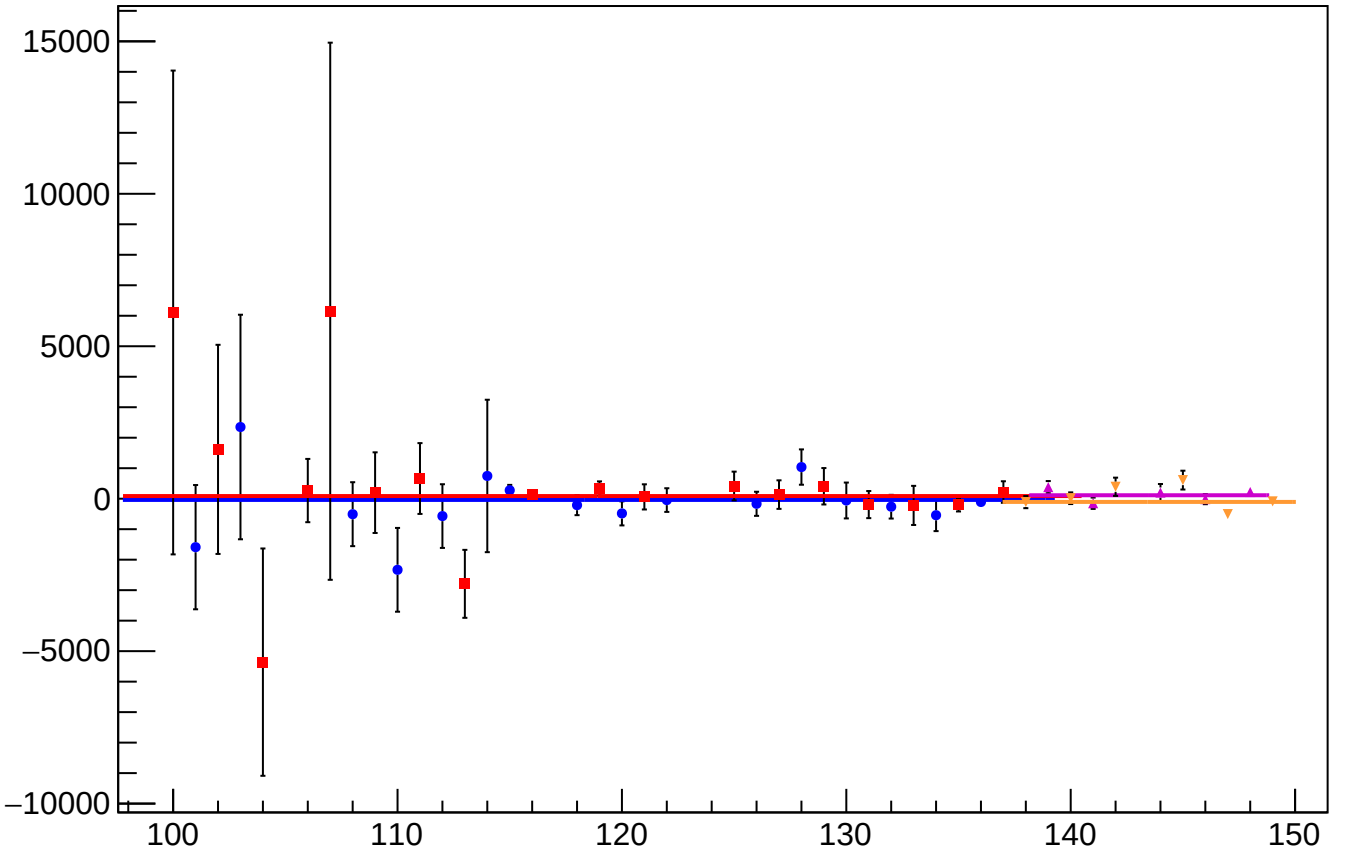
In: 172.122+/-0.042 χ^2/NDF:5585102.1/20

Out: 155.779+/-0.040 χ^2/NDF:6679086.5/23

All: 163.517+/-0.029 χ^2/NDF: 12343615.4/44


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: -894.515+/-1021.433 χ²/NDF:5.5/5
Right Out: -842.157+/-873.586 χ²/NDF: 12.2/17
Left In: -1627.674+/-1041.552 χ²/NDF:9.3/4
Left: -1253.945+/-729.271 χ²/NDF: 15.1/10
Right: -779.643+/-617.702 χ²/NDF: 28.0/33
In: -1093.133+/-669.305 χ²/NDF:25.6/20
Out: -864.276+/-663.895 χ²/NDF:17.7/23
All: -977.776+/-471.346 χ²/NDF: 43.4/44


dit_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2308.739+/-0.618 χ²/NDF: 513742.2/15
Left Out: 2176.013+/-0.722 χ²/NDF:173.6/5
Right Out: 2331.849+/-0.618 χ²/NDF: 167321.7/17
Left In: 2178.682+/-0.736 χ²/NDF:45.5/4
Left: 2177.321+/-0.516 χ²/NDF: 225.8/10
Right: 2320.294+/-0.437 χ²/NDF: 681763.7/33
In: 2255.034+/-0.473 χ²/NDF:532094.8/20
Out: 2266.016+/-0.469 χ²/NDF:194381.9/23
All: 2260.569+/-0.333 χ²/NDF: 726748.1/44



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -105.569+/-78.817 χ^2/NDF:15.3/5

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: -2.619+/-57.337 χ^2/NDF: 23.9/10

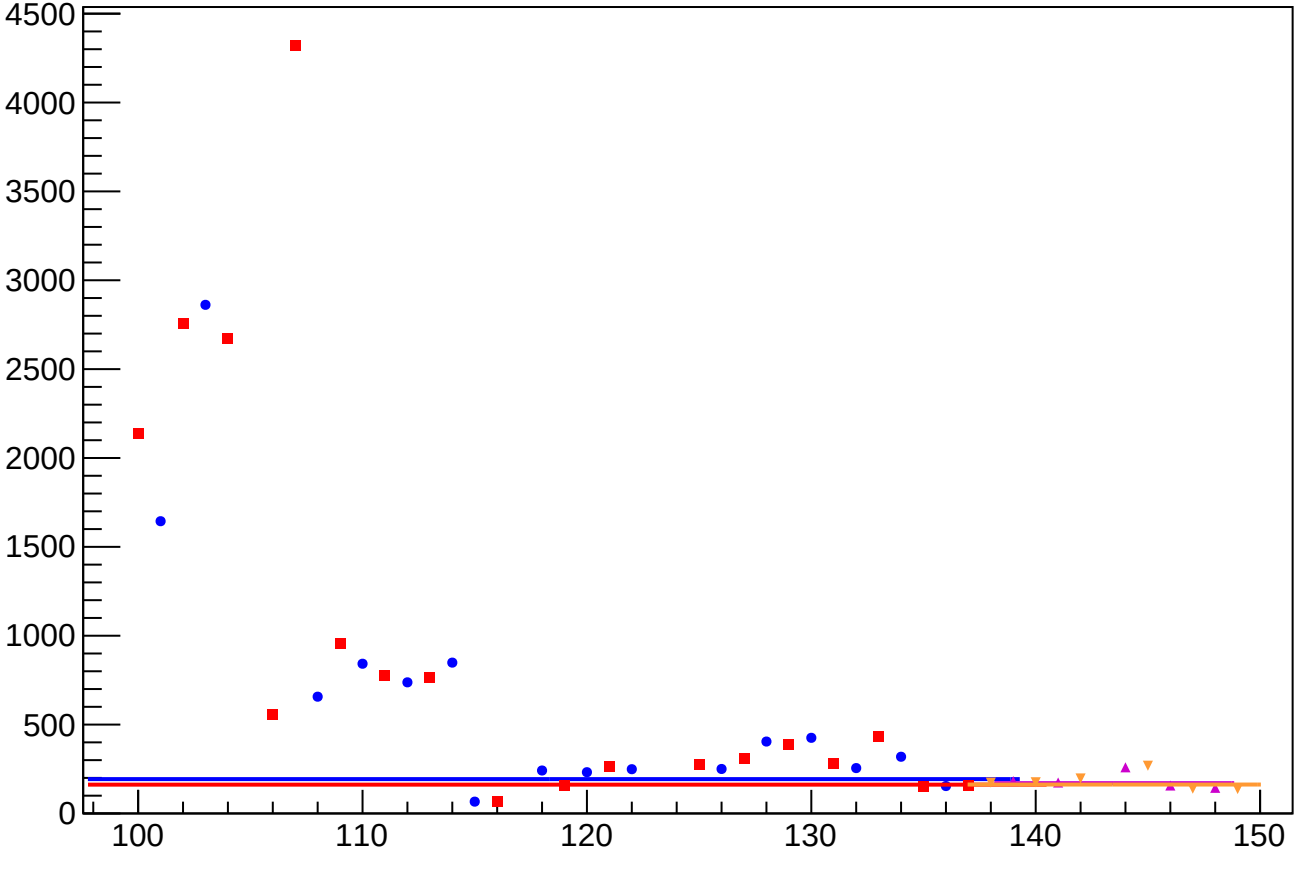
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 44.176+/-61.980 χ^2/NDF:20.5/20

Out: -18.042+/-58.133 χ^2/NDF:33.0/23

All: 11.076+/-42.401 χ^2/NDF: 54.0/44

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: 162.695+/-0.056 χ^2/NDF:379256.2/5

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 170.531+/-0.059 χ^2/NDF:277921.8/4

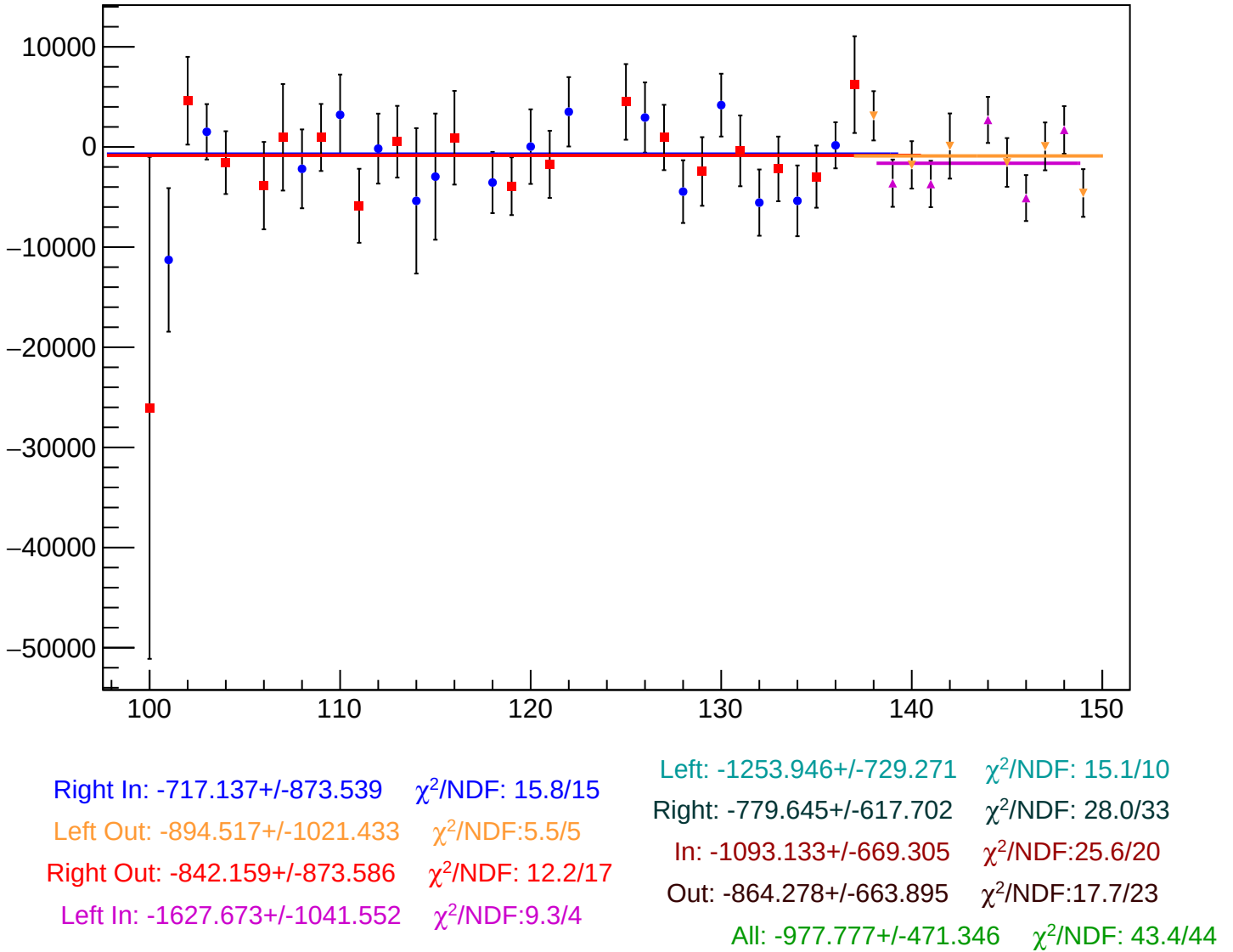
Left: 166.384+/-0.041 χ^2/NDF: 666485.6/10

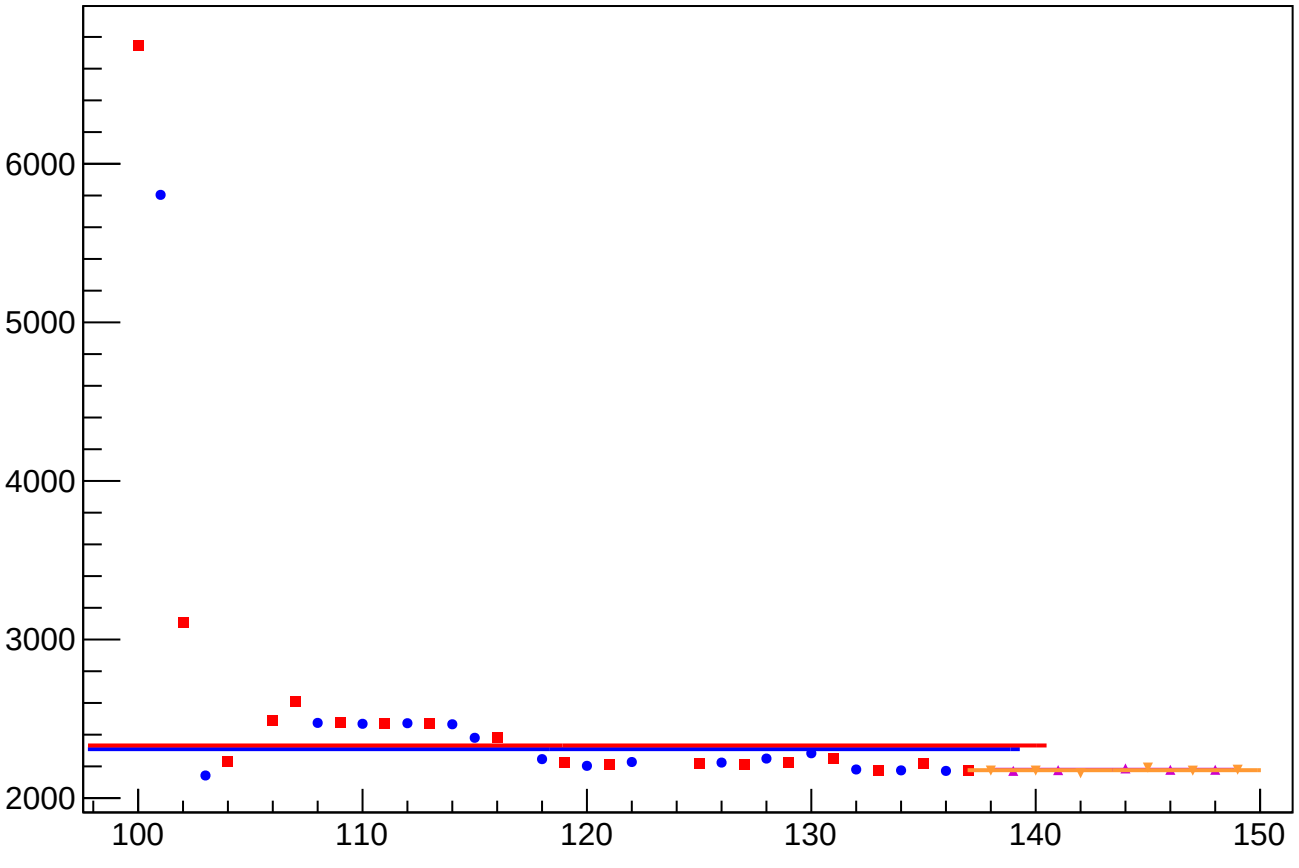
Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 180.754+/-0.044 χ^2/NDF:5962302.7/20

Out: 162.430+/-0.041 χ^2/NDF:7449794.8/23

All: 171.006+/-0.030 χ^2/NDF: 13505094.4/44


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: -894.517+/-1021.433 χ²/NDF:5.5/5
Right Out: -842.159+/-873.586 χ²/NDF: 12.2/17
Left In: -1627.673+/-1041.552 χ²/NDF:9.3/4
Left: -1253.946+/-729.271 χ²/NDF: 15.1/10
Right: -779.645+/-617.702 χ²/NDF: 28.0/33
In: -1093.133+/-669.305 χ²/NDF:25.6/20
Out: -864.278+/-663.895 χ²/NDF:17.7/23
All: -977.777+/-471.346 χ²/NDF: 43.4/44



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.013+/-0.722 χ^2/NDF:173.6/5

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.682+/-0.736 χ^2/NDF:45.5/4

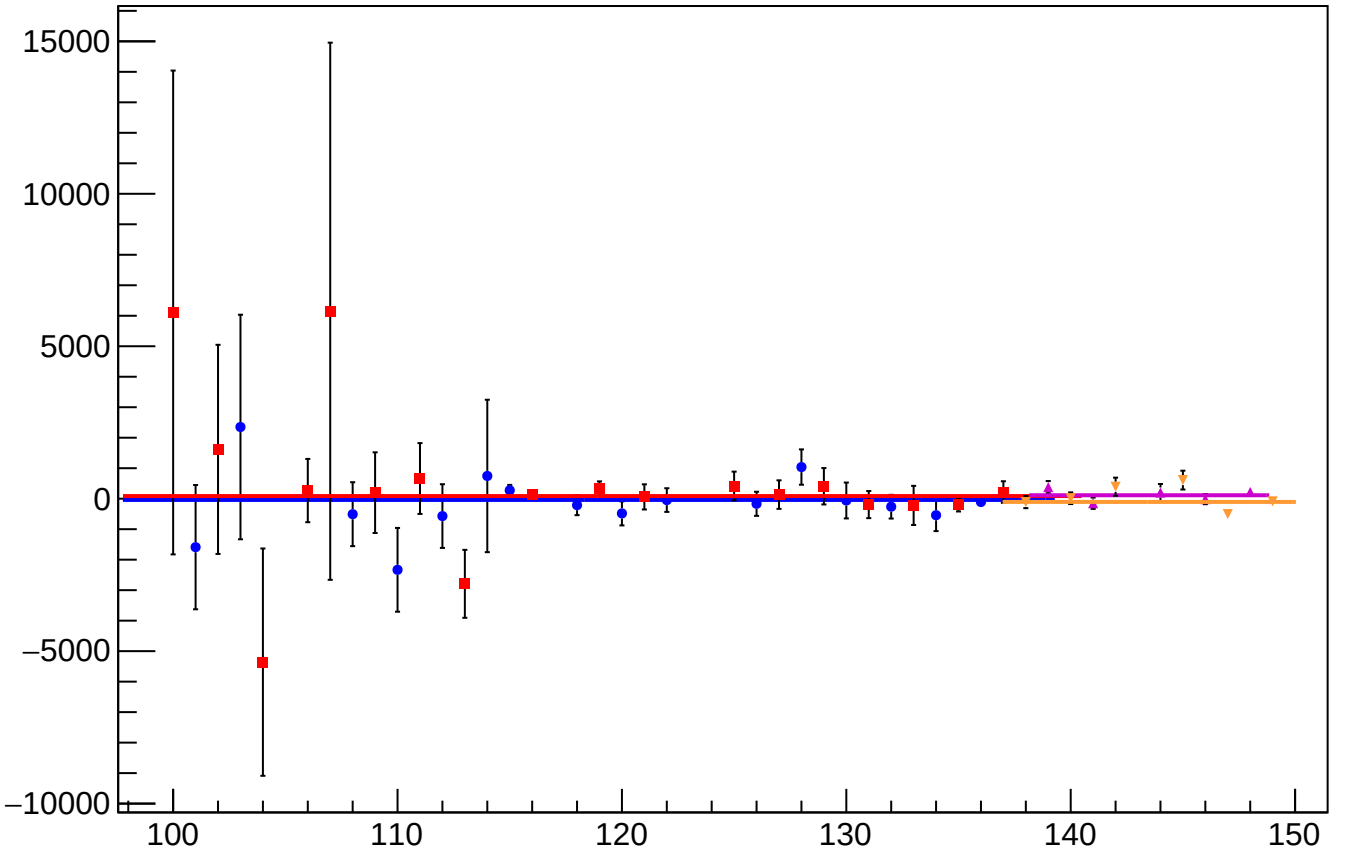
Left: 2177.321+/-0.516 χ^2/NDF: 225.8/10

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2255.034+/-0.473 χ^2/NDF:532094.8/20

Out: 2266.016+/-0.469 χ^2/NDF:194381.8/23

All: 2260.569+/-0.333 χ^2/NDF: 726748.0/44



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -105.569+/-78.817 χ^2/NDF:15.3/5

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: -2.619+/-57.337 χ^2/NDF: 23.9/10

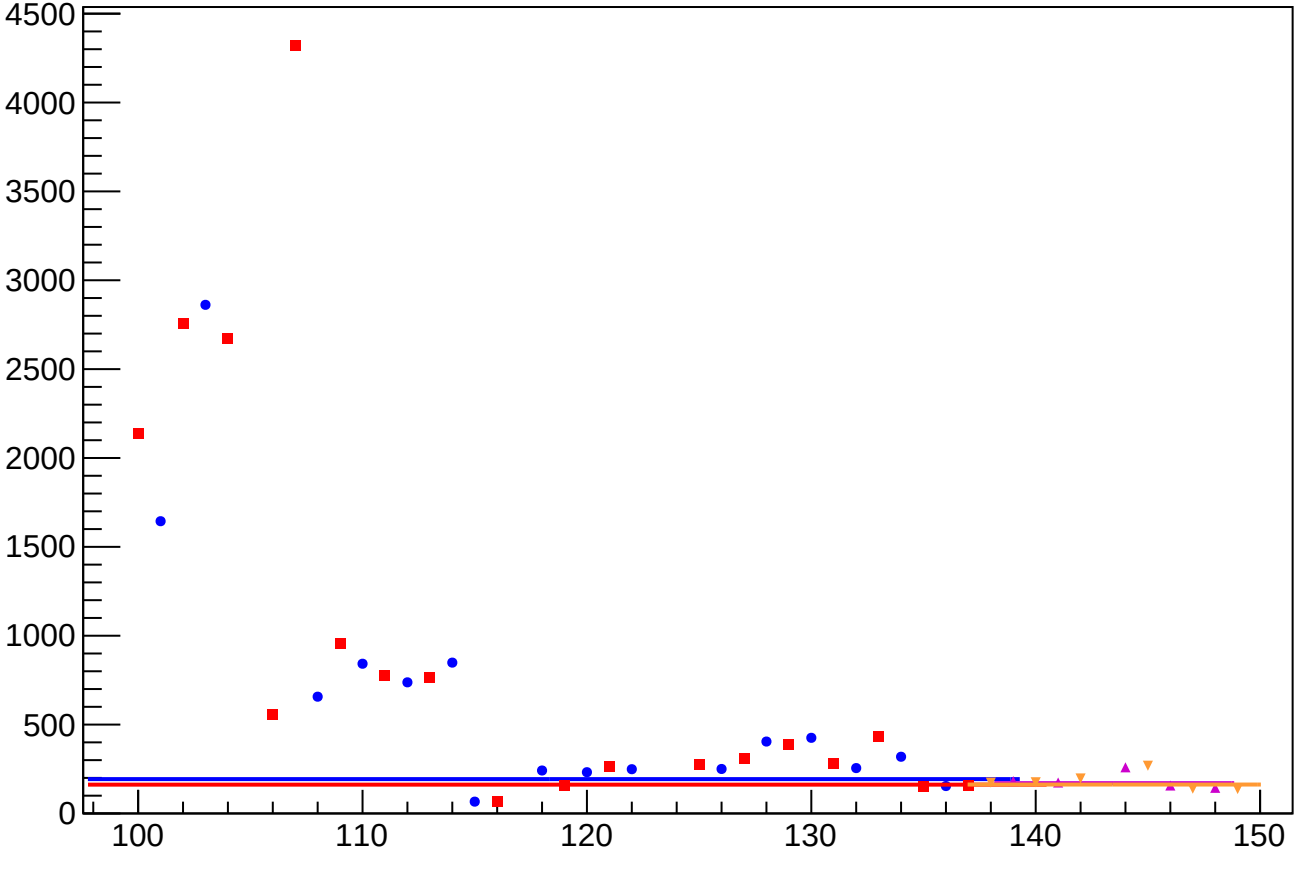
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 44.176+/-61.980 χ^2/NDF:20.5/20

Out: -18.040+/-58.133 χ^2/NDF:33.0/23

All: 11.077+/-42.401 χ^2/NDF: 54.0/44

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: 162.696+/-0.056 χ^2/NDF:379246.5/5

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 170.532+/-0.059 χ^2/NDF:277915.4/4

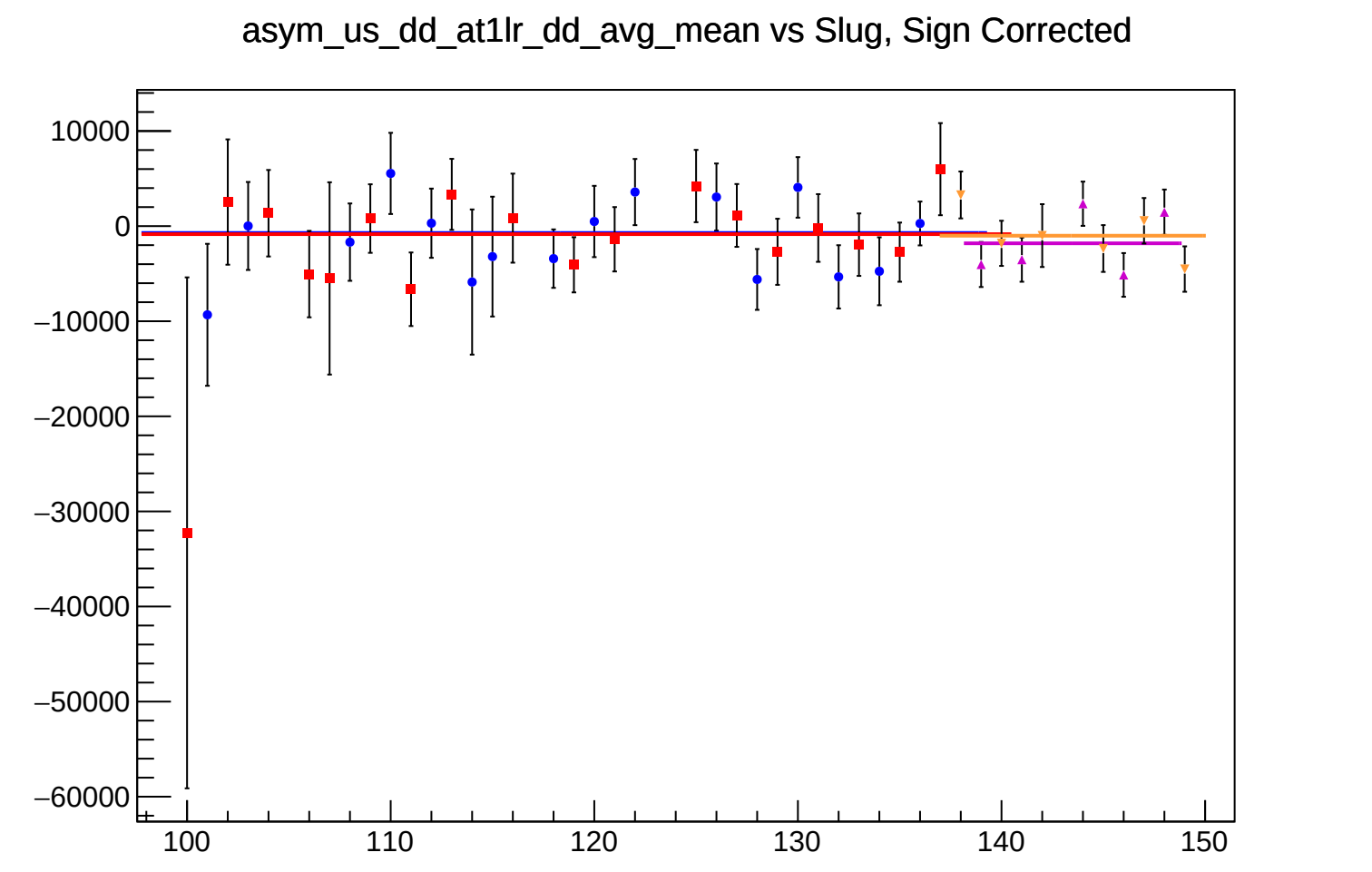
Left: 166.385+/-0.041 χ^2/NDF: 666469.0/10

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 180.754+/-0.044 χ^2/NDF:5962315.4/20

Out: 162.430+/-0.041 χ^2/NDF:7449844.5/23

All: 171.005+/-0.030 χ^2/NDF: 13505157.6/44



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -1008.332+/-1026.840 χ^2/NDF:6.0/5

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1808.032+/-1045.613 χ^2/NDF:8.6/4

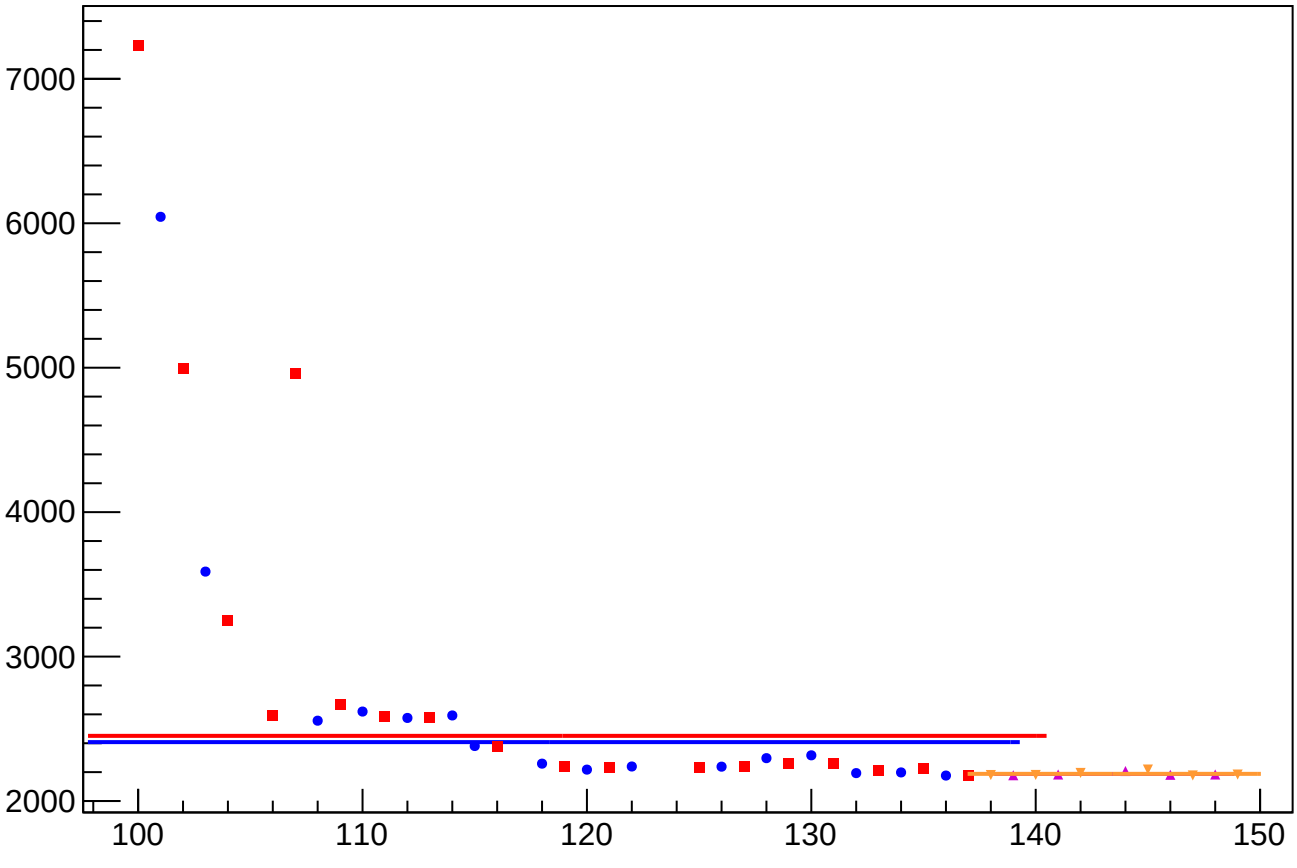
Left: -1400.939+/-732.633 χ^2/NDF: 14.9/10

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1192.324+/-689.102 χ^2/NDF:25.0/20

Out: -918.385+/-688.781 χ^2/NDF:19.0/23

All: -1055.291+/-487.155 χ^2/NDF: 44.1/44



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.062+/-0.726 χ^2/NDF:394.8/5

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.150+/-0.739 χ^2/NDF:203.4/4

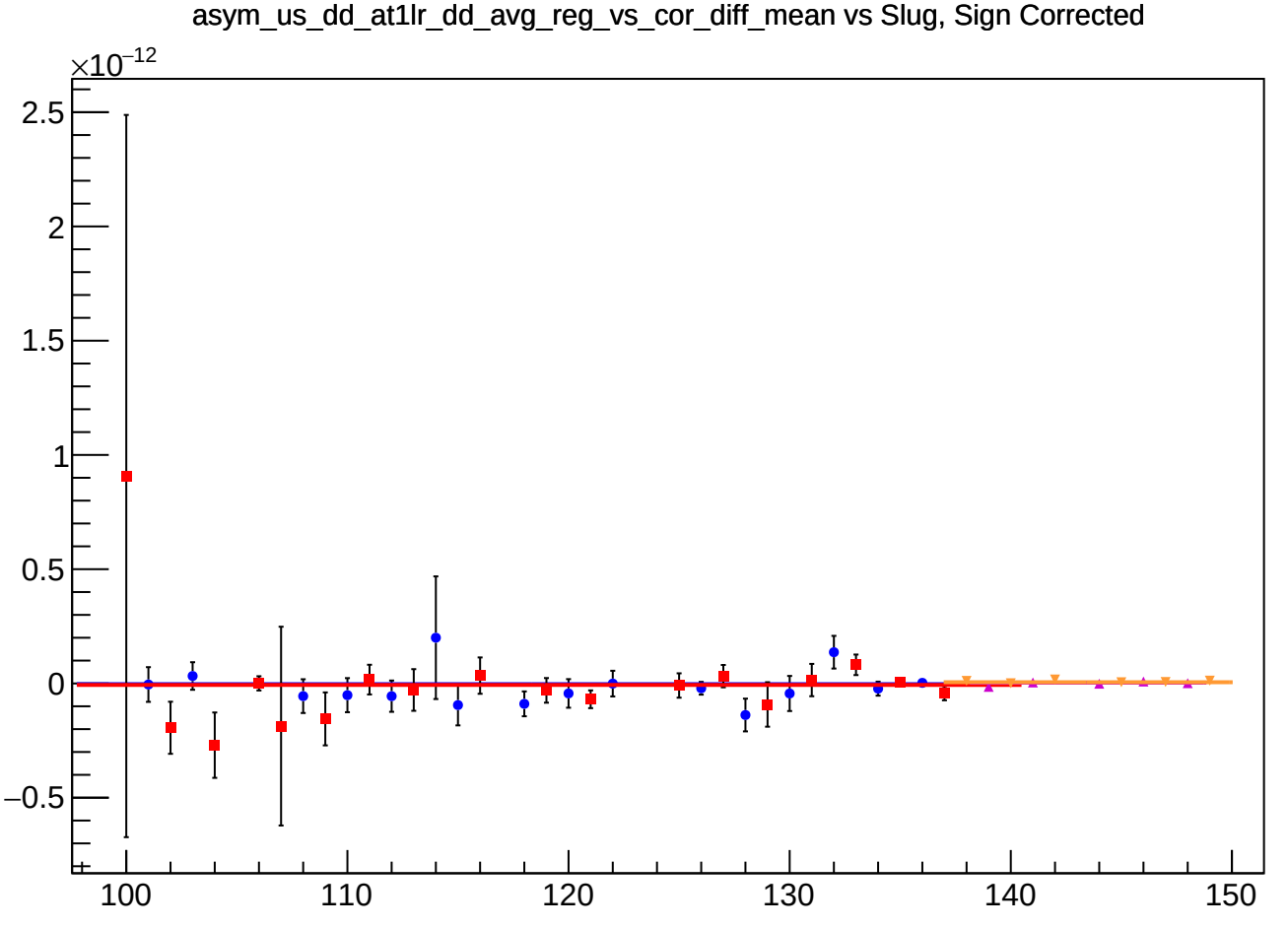
Left: 2187.614+/-0.518 χ^2/NDF: 598.9/10

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2311.961+/-0.487 χ^2/NDF:727472.1/20

Out: 2332.798+/-0.487 χ^2/NDF:706232.4/23

All: 2322.384+/-0.344 χ^2/NDF: 1434619.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

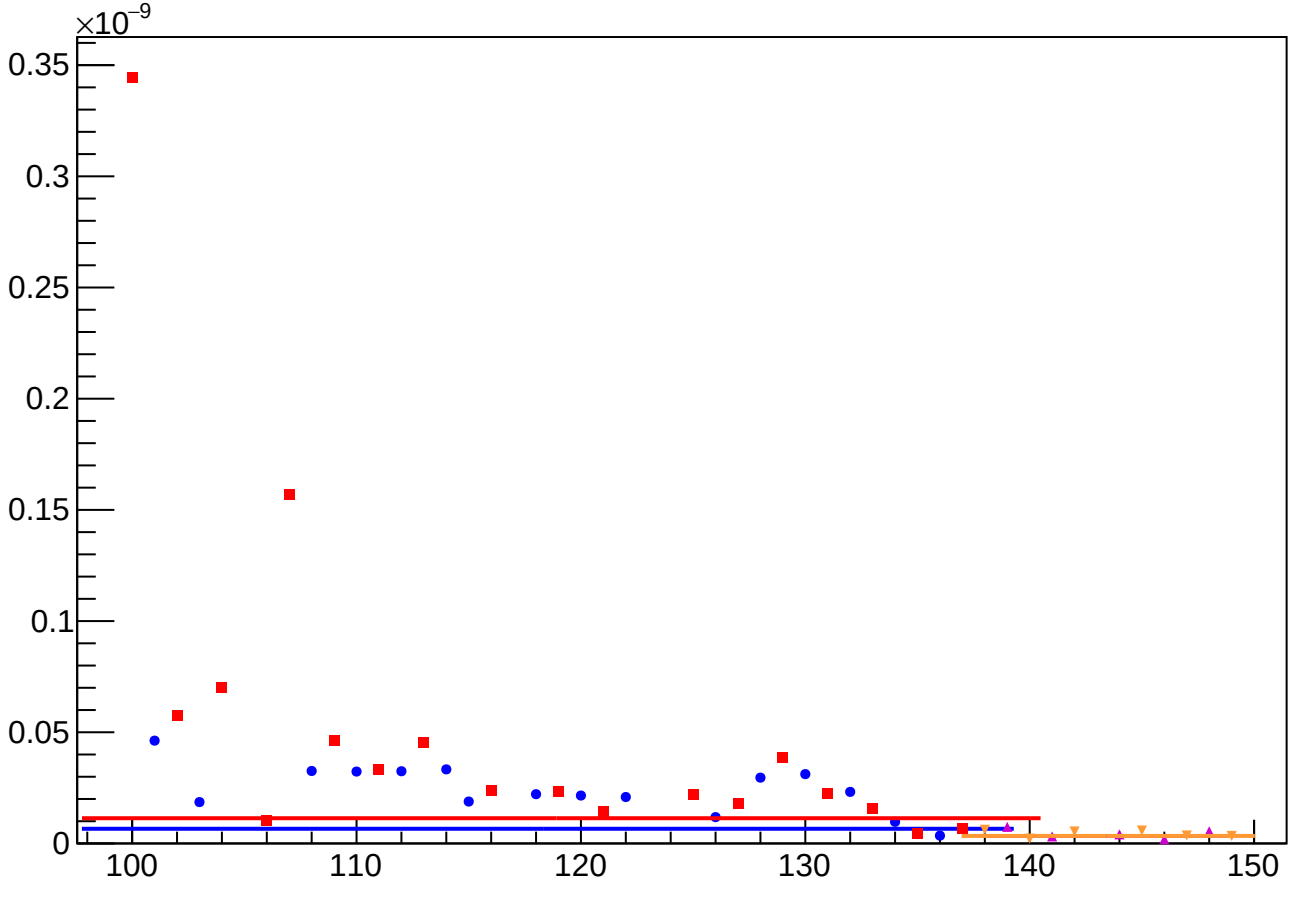
Left: 0.000+/-0.000 χ^2/NDF: 7.4/10

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:23.5/23

All: 0.000+/-0.000 χ^2/NDF: 44.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:510465.4/5

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: 1018627.0/10

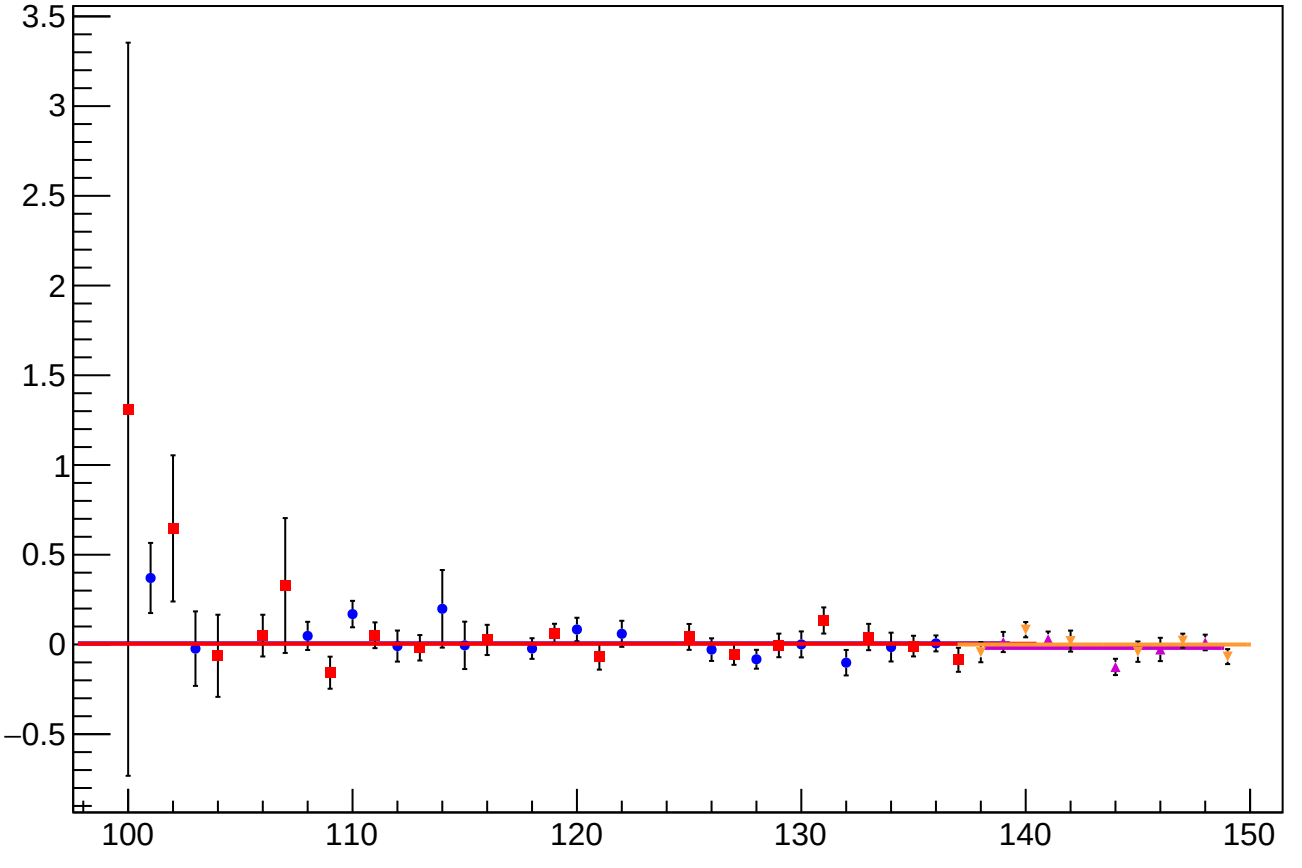
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:3791864.1/20

Out: 0.000+/-0.000 χ^2/NDF:4434077.5/23

All: 0.000+/-0.000 χ^2/NDF: 8225960.2/44

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: -0.000+/-0.019 χ^2/NDF:7.9/5

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: -0.009+/-0.014 χ^2/NDF: 15.9/10

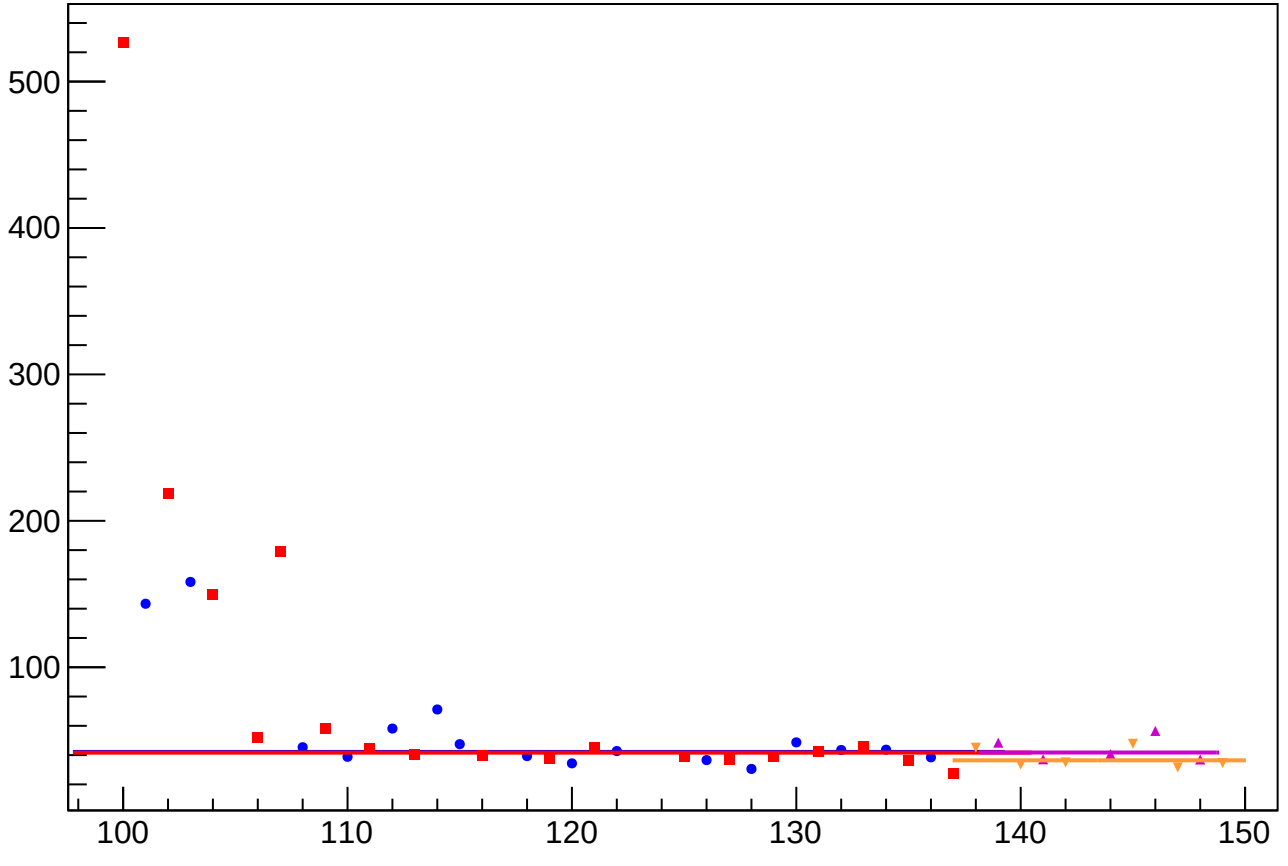
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.002+/-0.013 χ^2/NDF:24.2/23

All: -0.001+/-0.010 χ^2/NDF: 49.9/44

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: 36.440+/-0.014 χ^2/NDF:171532.7/5

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: 38.788+/-0.010 χ^2/NDF: 419636.6/10

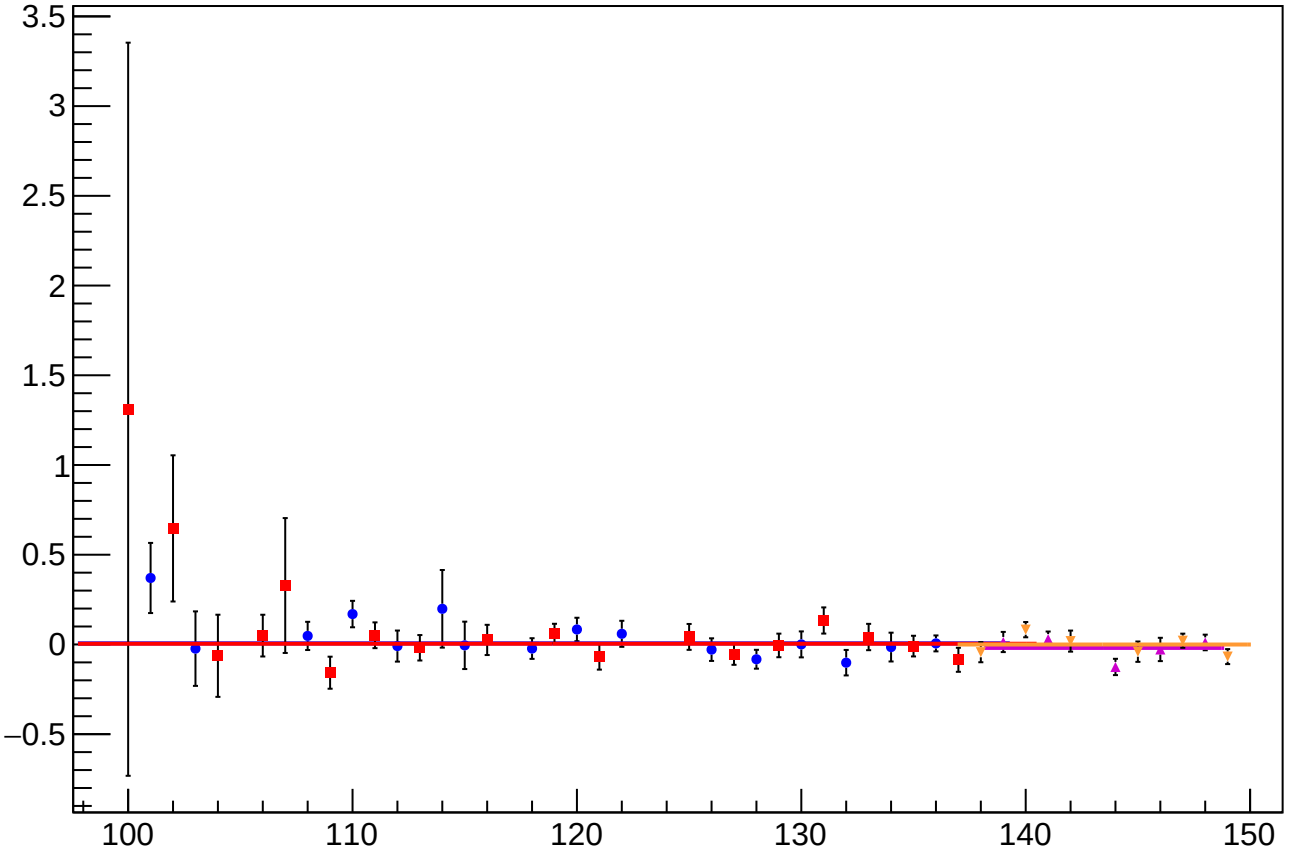
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.001+/-0.010 χ^2/NDF:1635598.4/20

Out: 39.162+/-0.009 χ^2/NDF:1689635.2/23

All: 40.520+/-0.007 χ^2/NDF: 3368269.8/44

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: -0.000+/-0.019 χ^2/NDF:7.9/5

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: -0.009+/-0.014 χ^2/NDF: 15.9/10

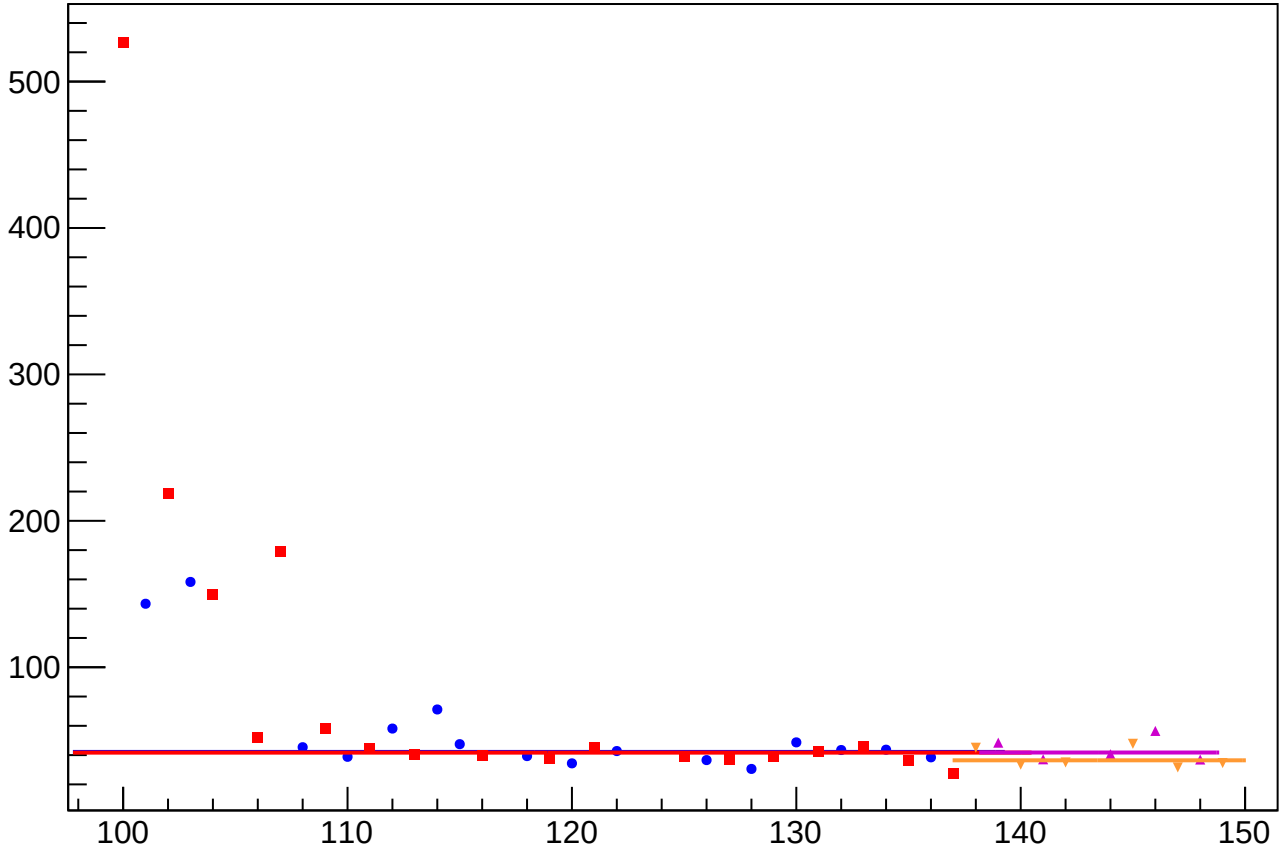
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.002+/-0.013 χ^2/NDF:24.2/23

All: -0.001+/-0.010 χ^2/NDF: 49.9/44

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: 36.440+/-0.014 χ^2/NDF:171532.7/5

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: 38.788+/-0.010 χ^2/NDF: 419636.6/10

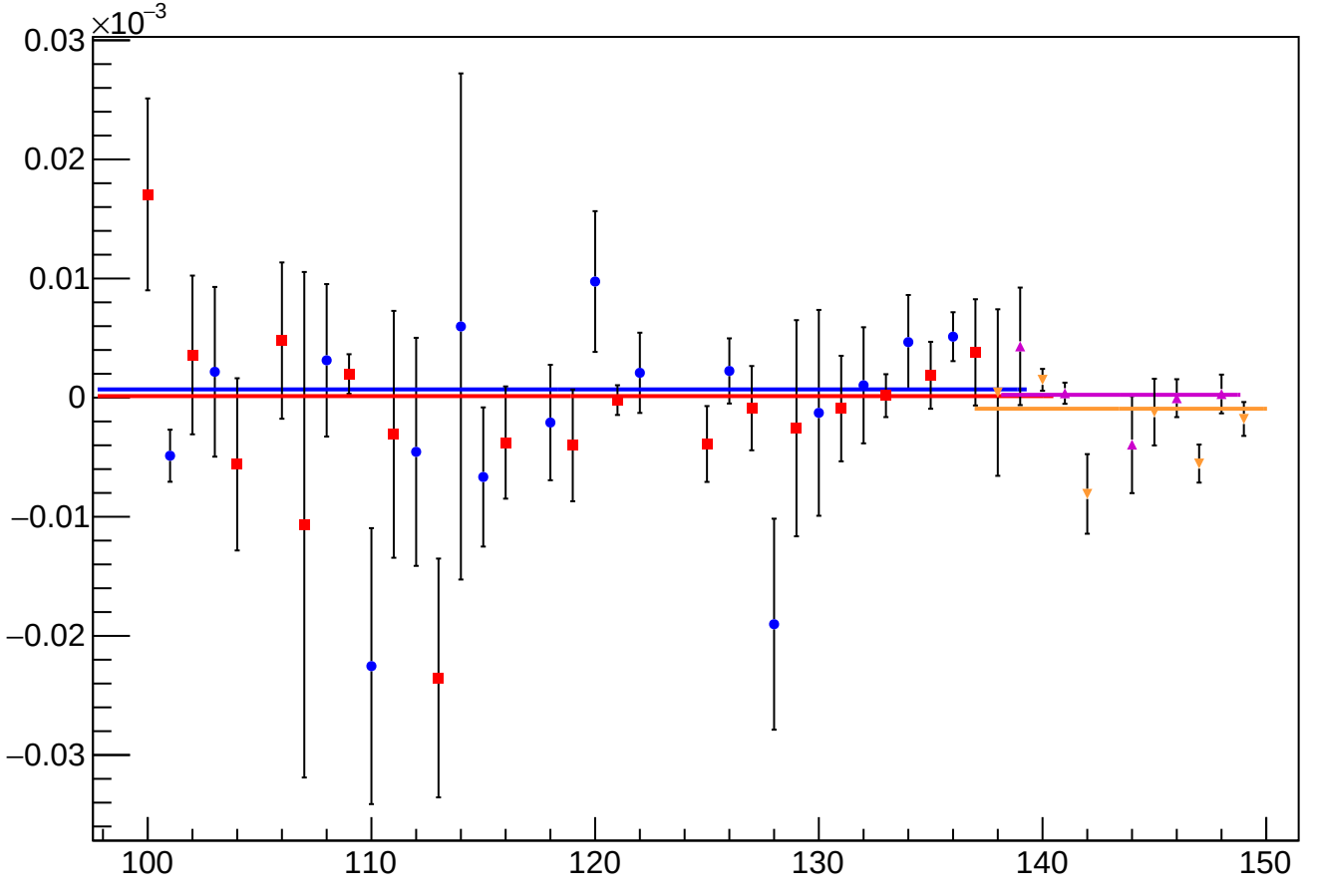
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.001+/-0.010 χ^2/NDF:1635598.4/20

Out: 39.162+/-0.009 χ^2/NDF:1689635.2/23

All: 40.520+/-0.007 χ^2/NDF: 3368269.8/44

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:20.3/5

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: 23.6/10

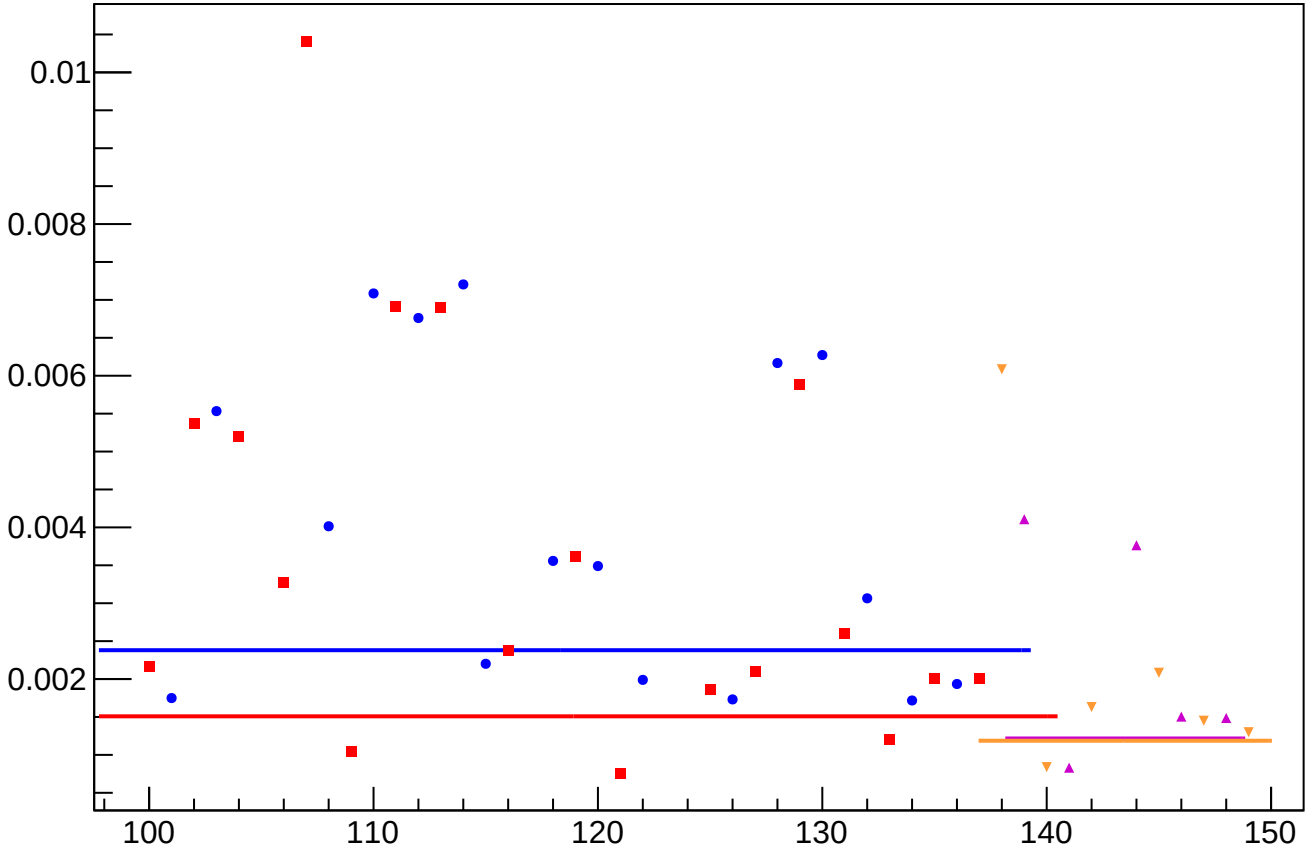
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:28.4/20

Out: -0.000+/-0.000 χ^2/NDF:38.9/23

All: -0.000+/-0.000 χ^2/NDF: 68.6/44

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:1577457.6/5

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: 3544769.4/10

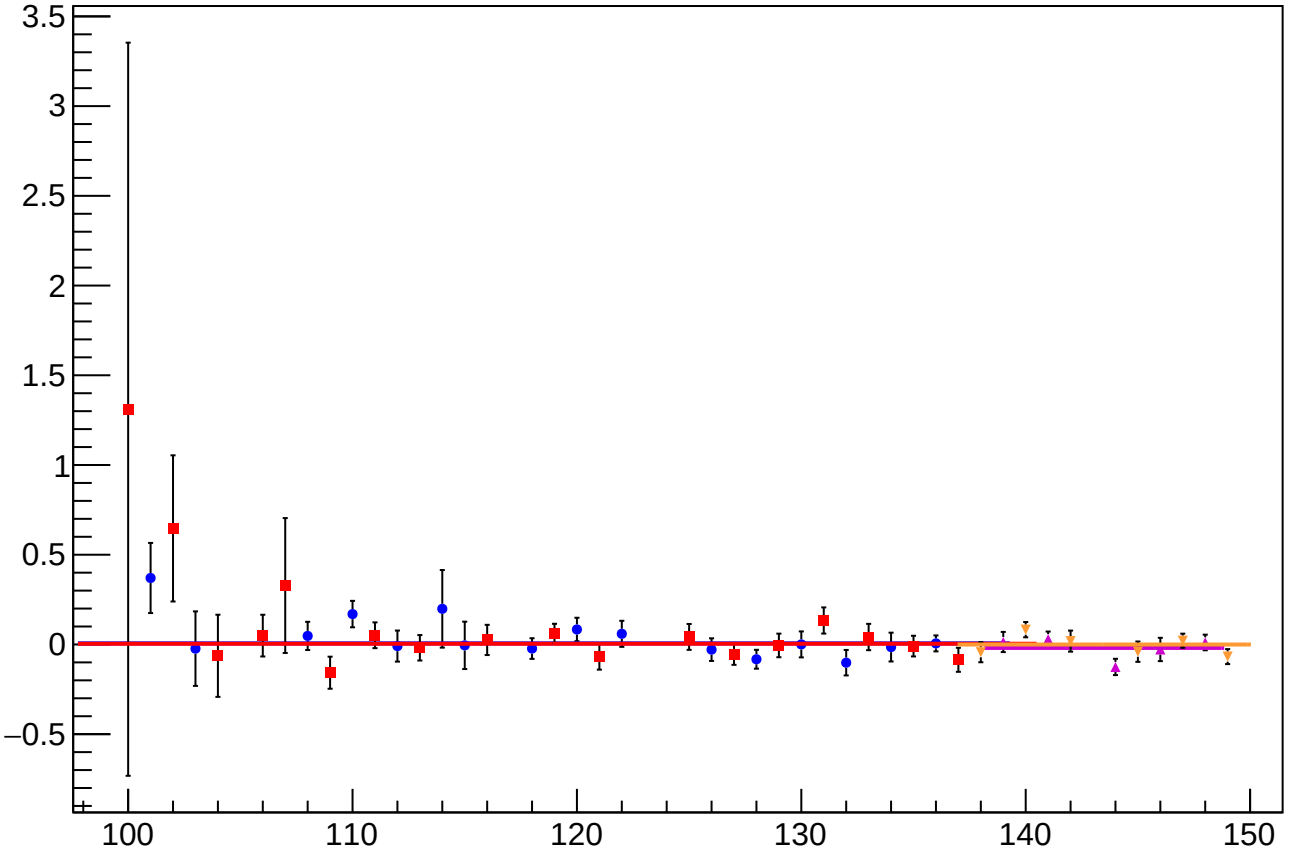
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6602868.2/20

Out: 0.001+/-0.000 χ^2/NDF:6796682.4/23

All: 0.001+/-0.000 χ^2/NDF: 13615017.2/44

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: -0.000+/-0.019 χ^2/NDF:7.9/5

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: -0.009+/-0.014 χ^2/NDF: 15.9/10

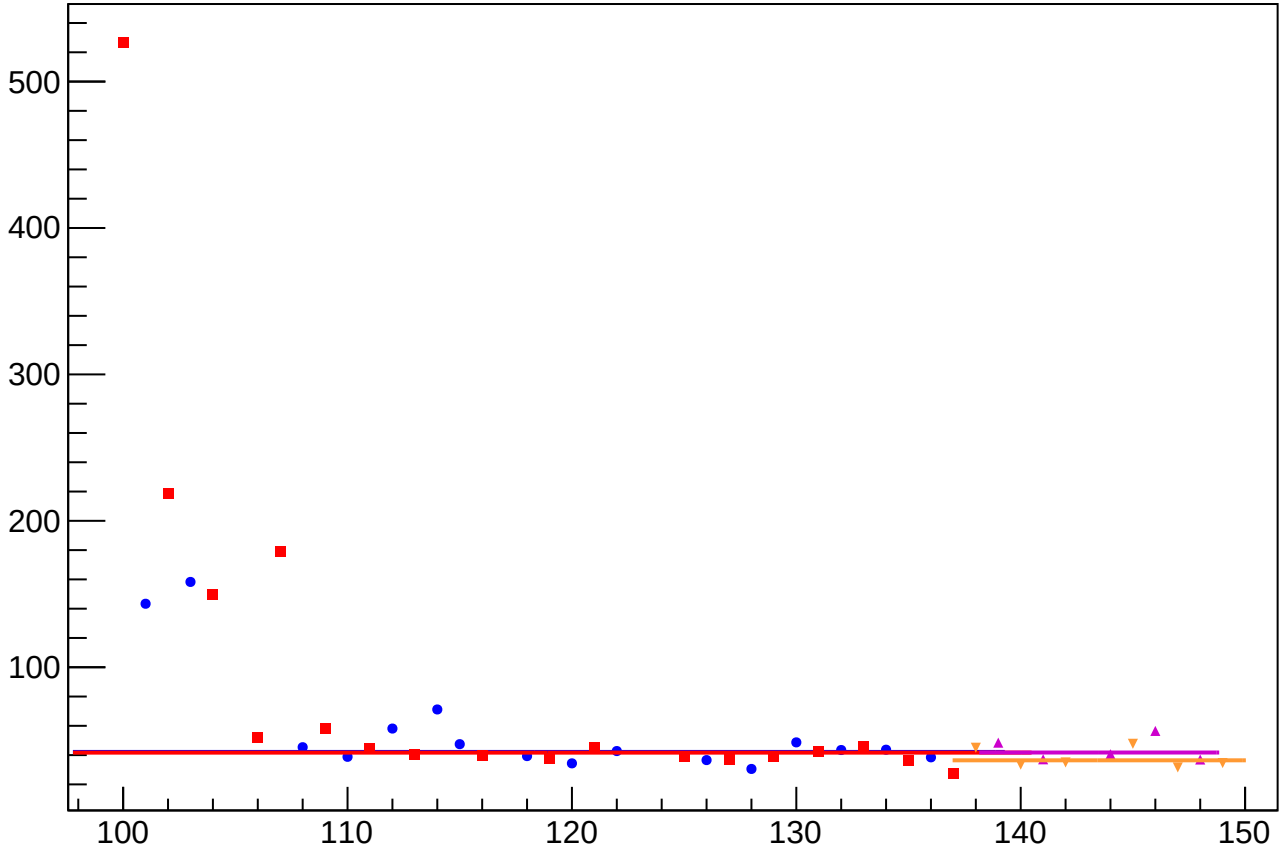
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.002+/-0.013 χ^2/NDF:24.2/23

All: -0.001+/-0.010 χ^2/NDF: 49.9/44

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.441+/-0.014 χ^2/NDF:171515.3/5

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: 38.788+/-0.010 χ^2/NDF: 419630.9/10

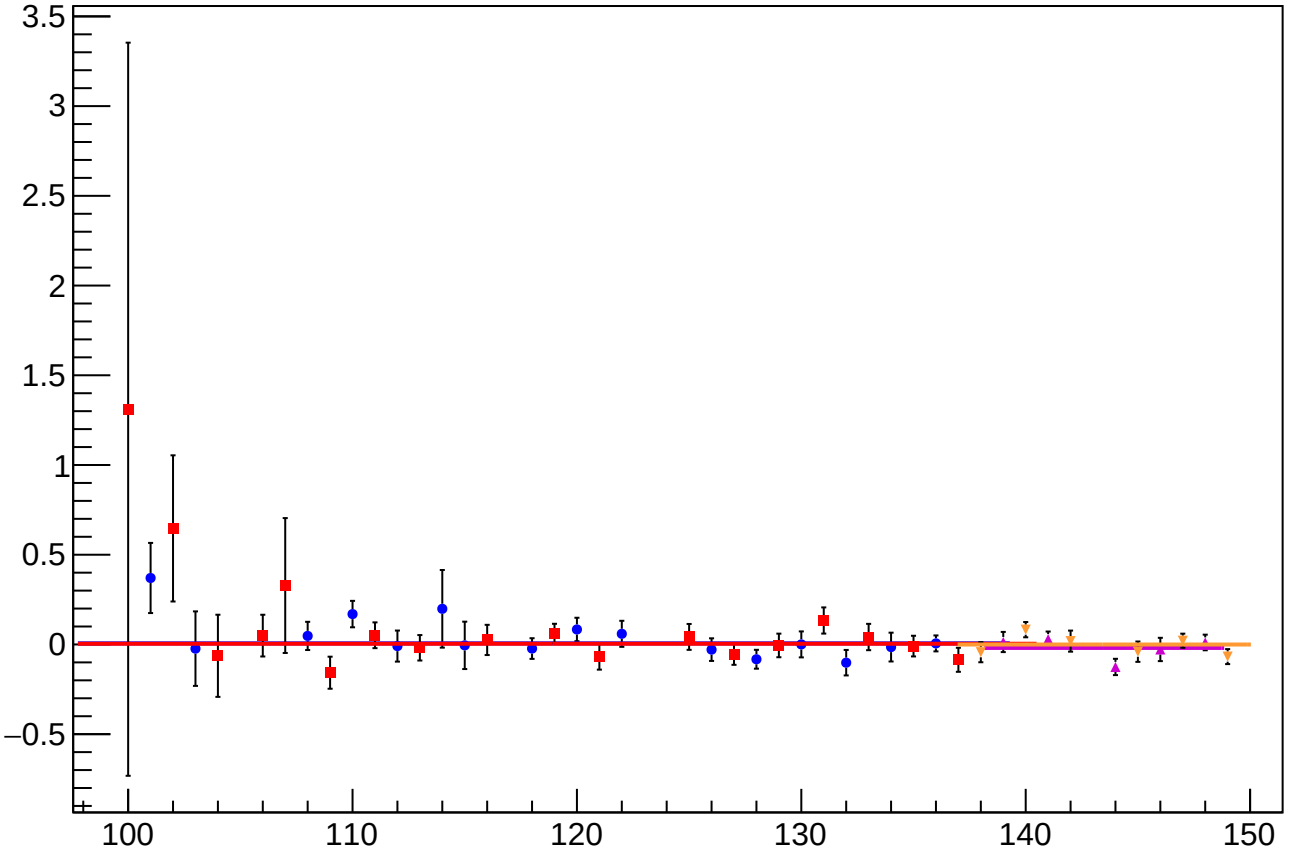
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.999+/-0.010 χ^2/NDF:1635816.5/20

Out: 39.163+/-0.009 χ^2/NDF:1689607.7/23

All: 40.519+/-0.007 χ^2/NDF: 3368412.2/44

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: -0.000+/-0.019 χ^2/NDF:7.9/5

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: -0.009+/-0.014 χ^2/NDF: 15.9/10

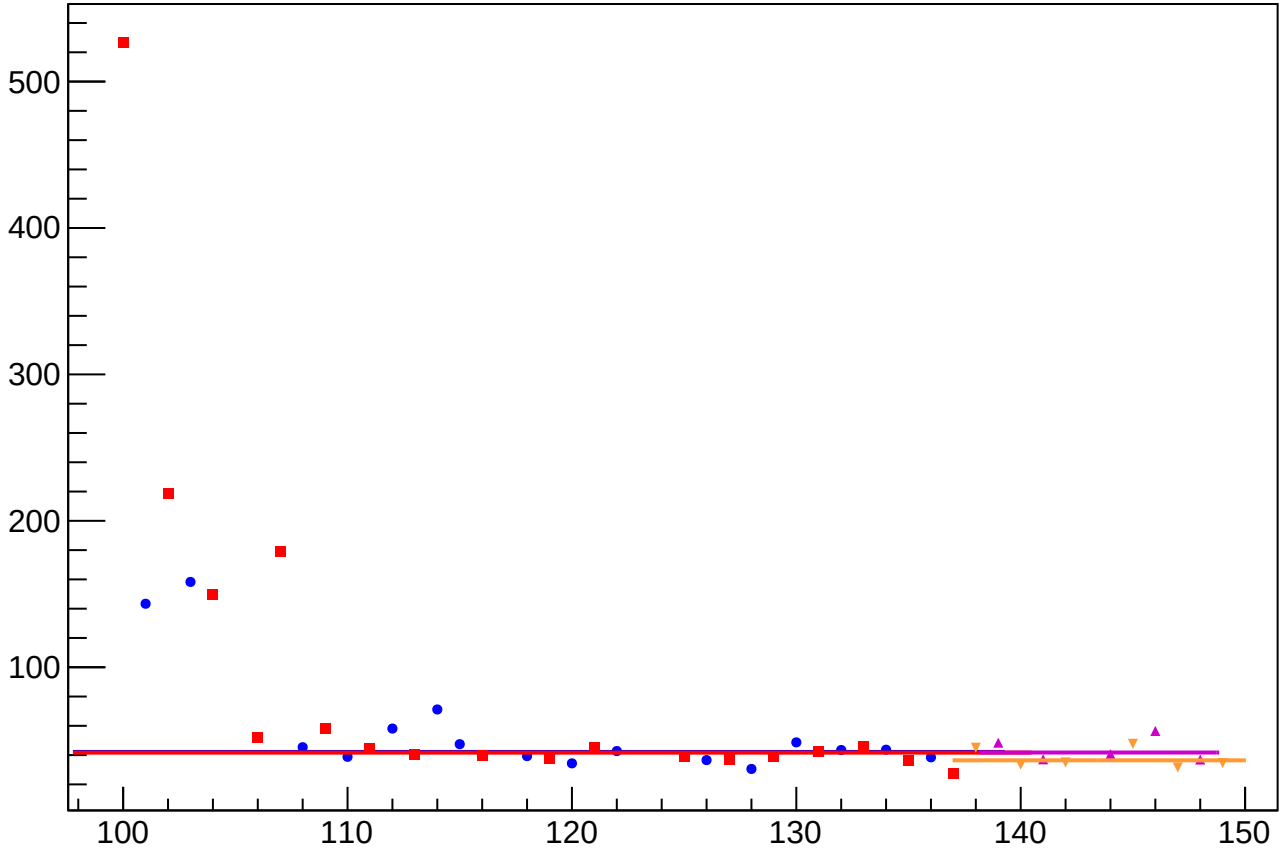
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.004+/-0.014 χ^2/NDF:25.7/20

Out: 0.002+/-0.013 χ^2/NDF:24.2/23

All: -0.001+/-0.010 χ^2/NDF: 49.9/44

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: 36.441+/-0.014 χ^2/NDF:171515.3/5

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: 38.788+/-0.010 χ^2/NDF: 419630.9/10

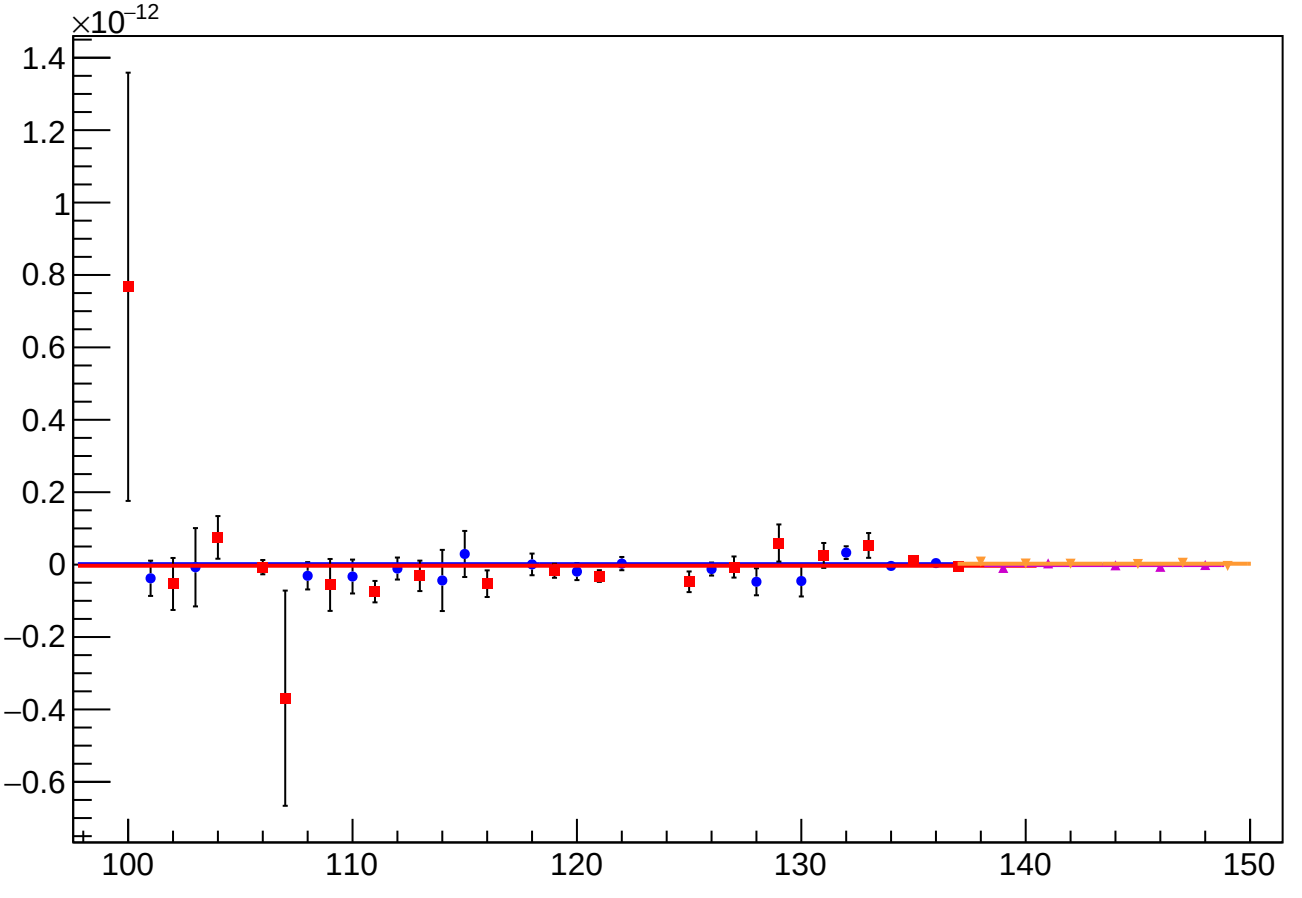
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.999+/-0.010 χ^2/NDF:1635816.5/20

Out: 39.163+/-0.009 χ^2/NDF:1689607.7/23

All: 40.519+/-0.007 χ^2/NDF: 3368412.2/44

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:4.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/4

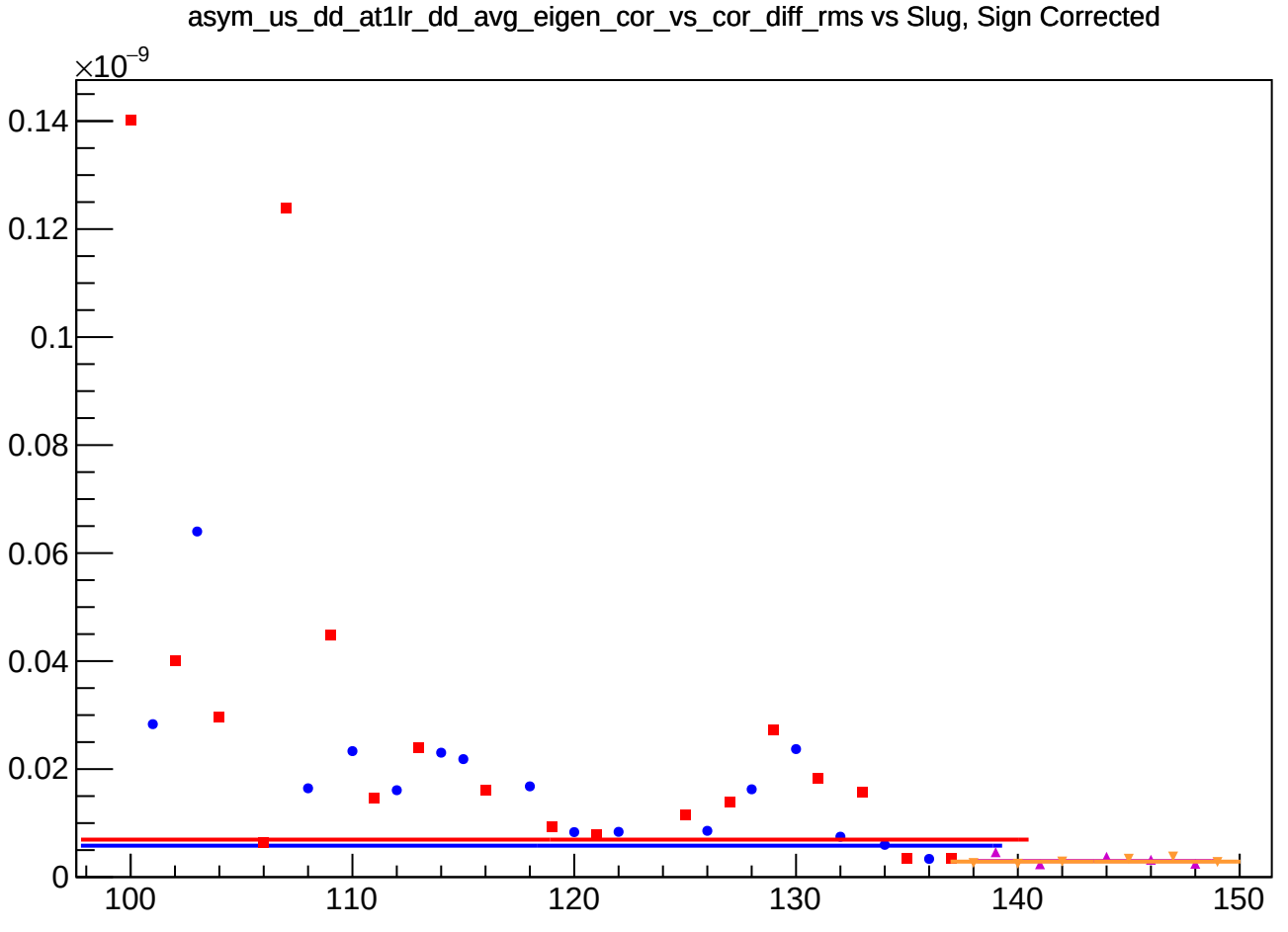
Left: 0.000+/-0.000 χ^2/NDF: 10.1/10

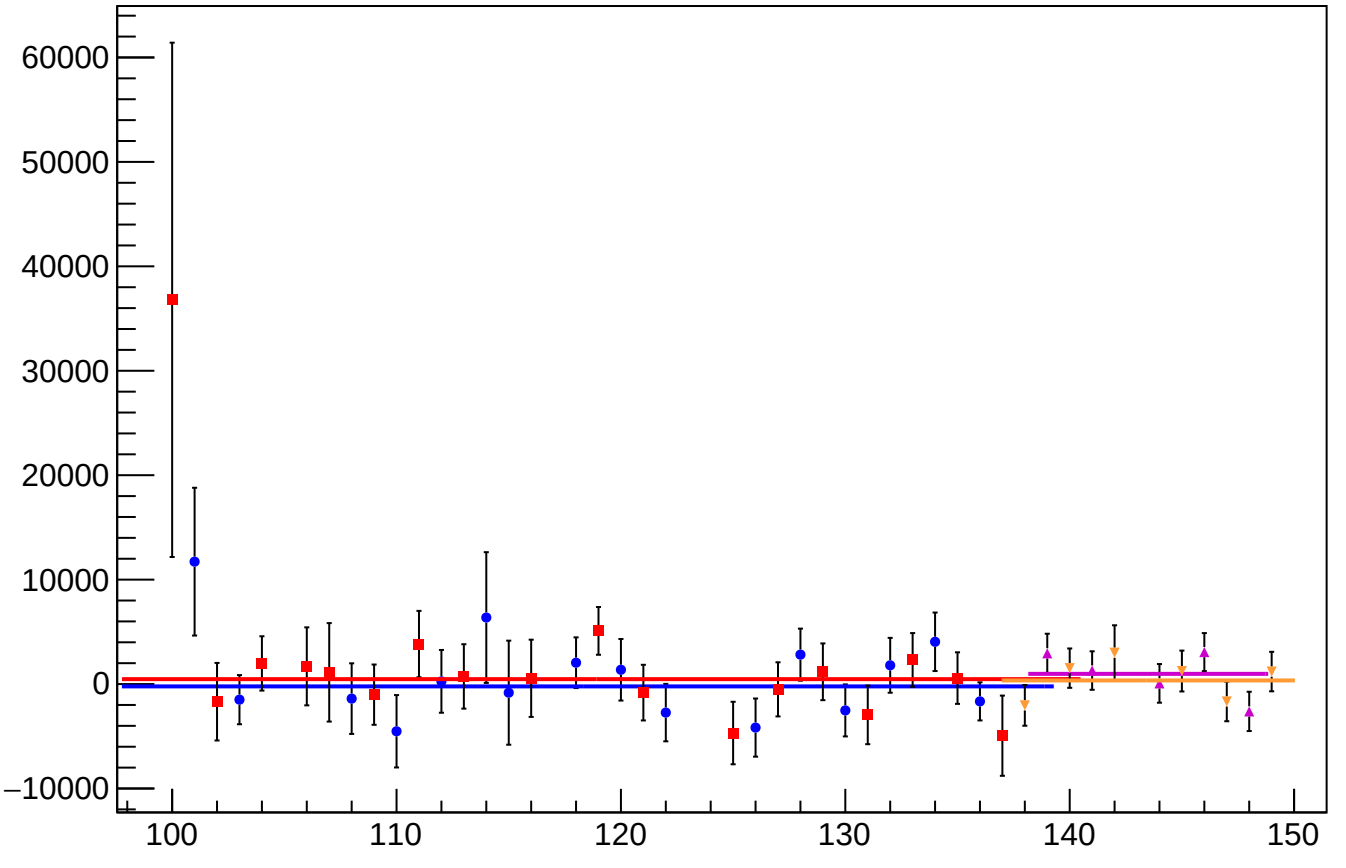
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:15.1/20

Out: 0.000+/-0.000 χ^2/NDF:34.0/23

All: 0.000+/-0.000 χ^2/NDF: 50.1/44


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:115686.3/5
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: 375407.2/10
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:5191673.8/23
All: 0.000+/-0.000 χ²/NDF: 9588691.3/44



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 348.566+/-814.000 χ^2/NDF:4.5/5

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 978.168+/-828.959 χ^2/NDF:6.3/4

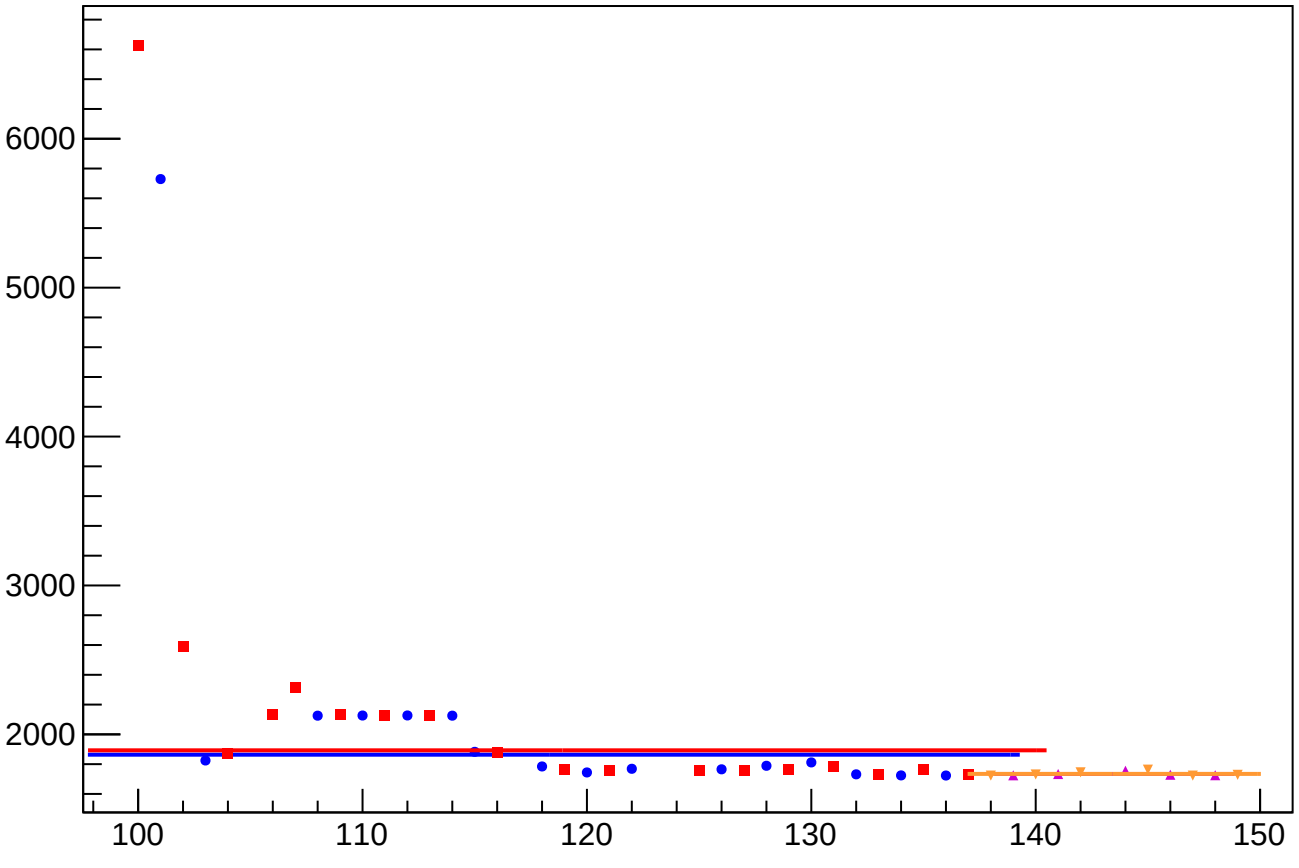
Left: 657.635+/-580.802 χ^2/NDF: 11.1/10

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 284.597+/-538.872 χ^2/NDF:23.4/20

Out: 418.774+/-535.693 χ^2/NDF:20.3/23

All: 352.083+/-379.911 χ^2/NDF: 43.7/44



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1734.493+/-0.576 χ^2/NDF:627.1/5

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: 1734.225+/-0.411 χ^2/NDF: 1006.3/10

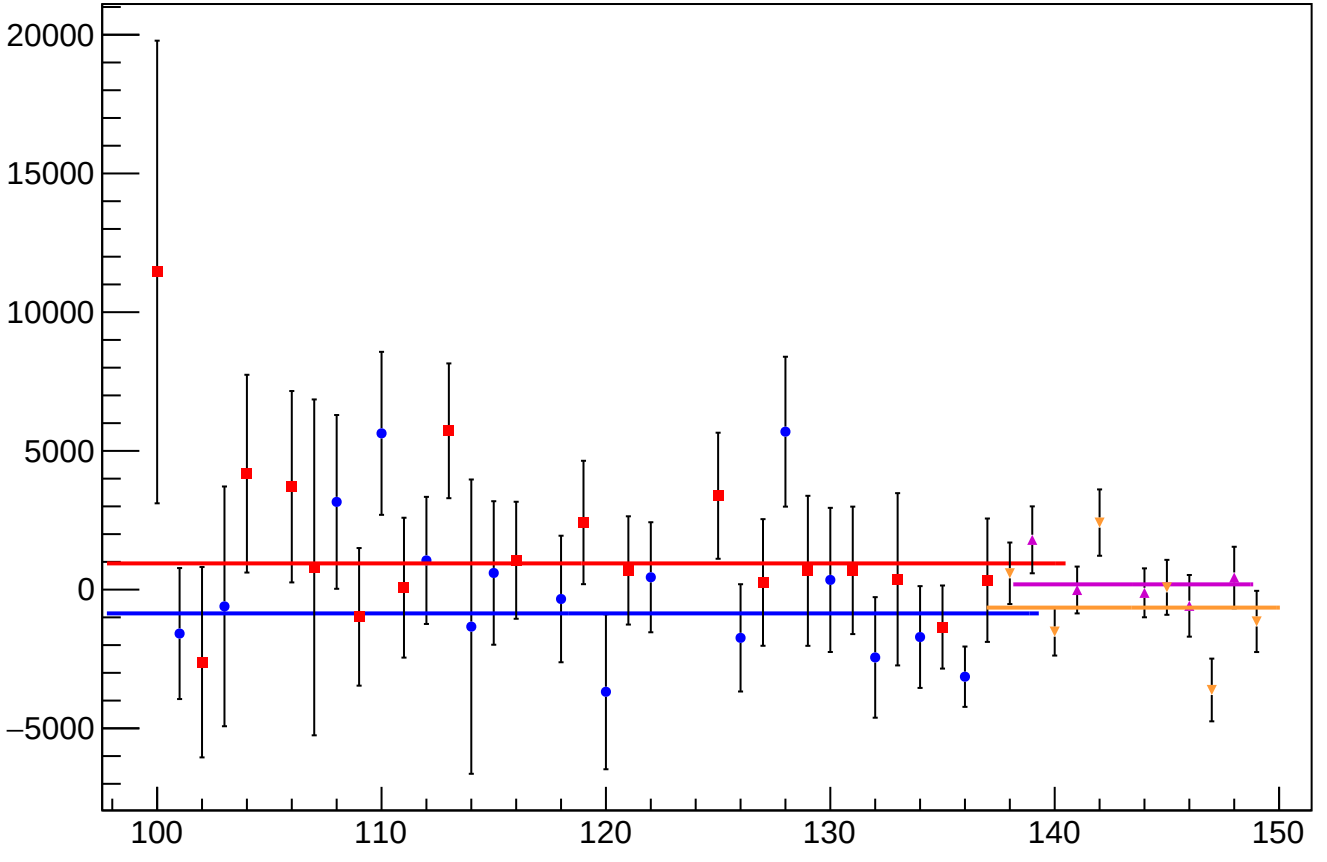
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1808.801+/-0.381 χ^2/NDF:703286.2/20

Out: 1824.276+/-0.379 χ^2/NDF:295059.3/23

All: 1816.584+/-0.269 χ^2/NDF: 999175.1/44

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: -648.581+/-427.239 χ^2/NDF:16.5/5

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 189.517+/-447.158 χ^2/NDF:2.5/4

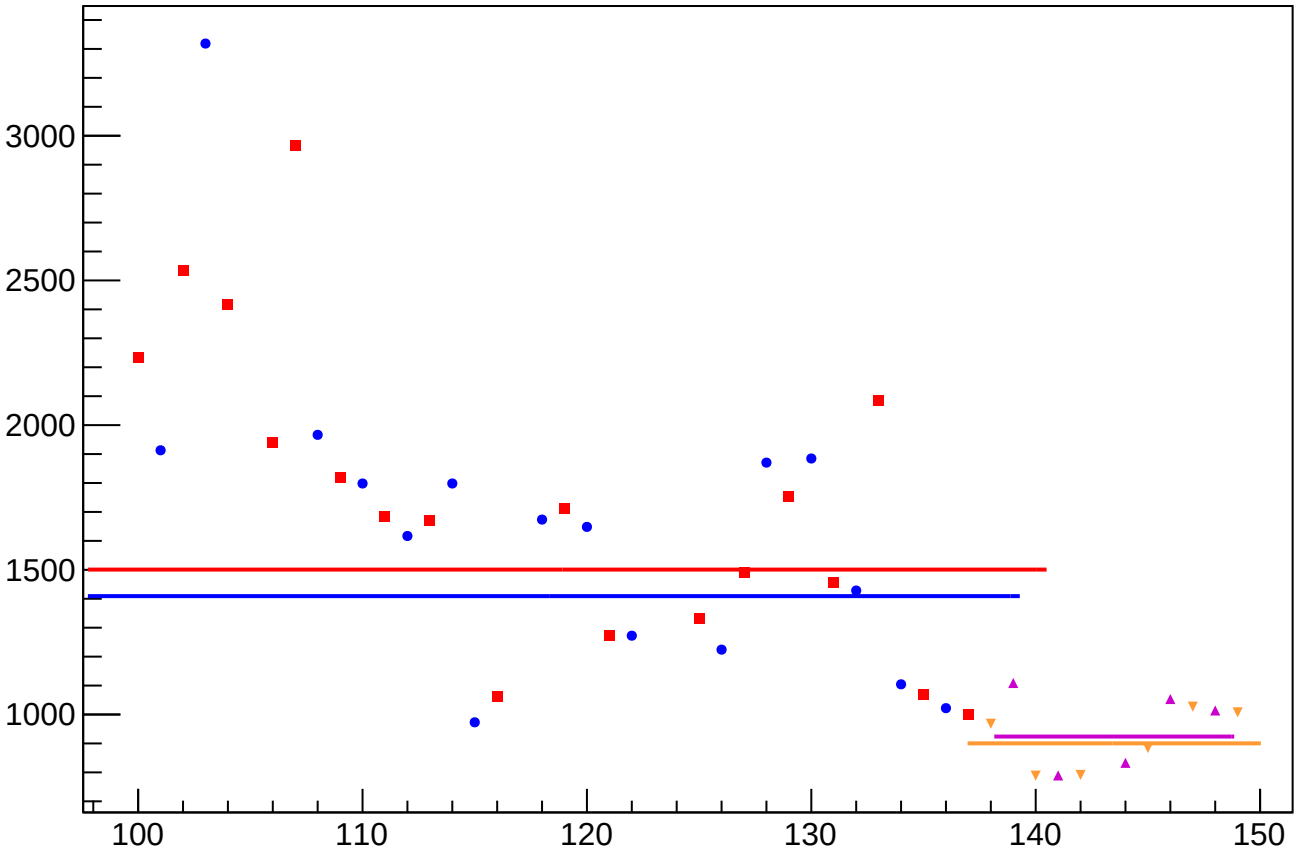
Left: -248.615+/-308.906 χ^2/NDF: 20.8/10

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -227.253+/-346.906 χ^2/NDF:25.3/20

Out: -93.087+/-344.810 χ^2/NDF:34.2/23

All: -159.763+/-244.555 χ^2/NDF: 59.6/44



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 900.314+/-0.302 χ^2/NDF:102089.7/5

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 923.868+/-0.316 χ^2/NDF:159437.5/4

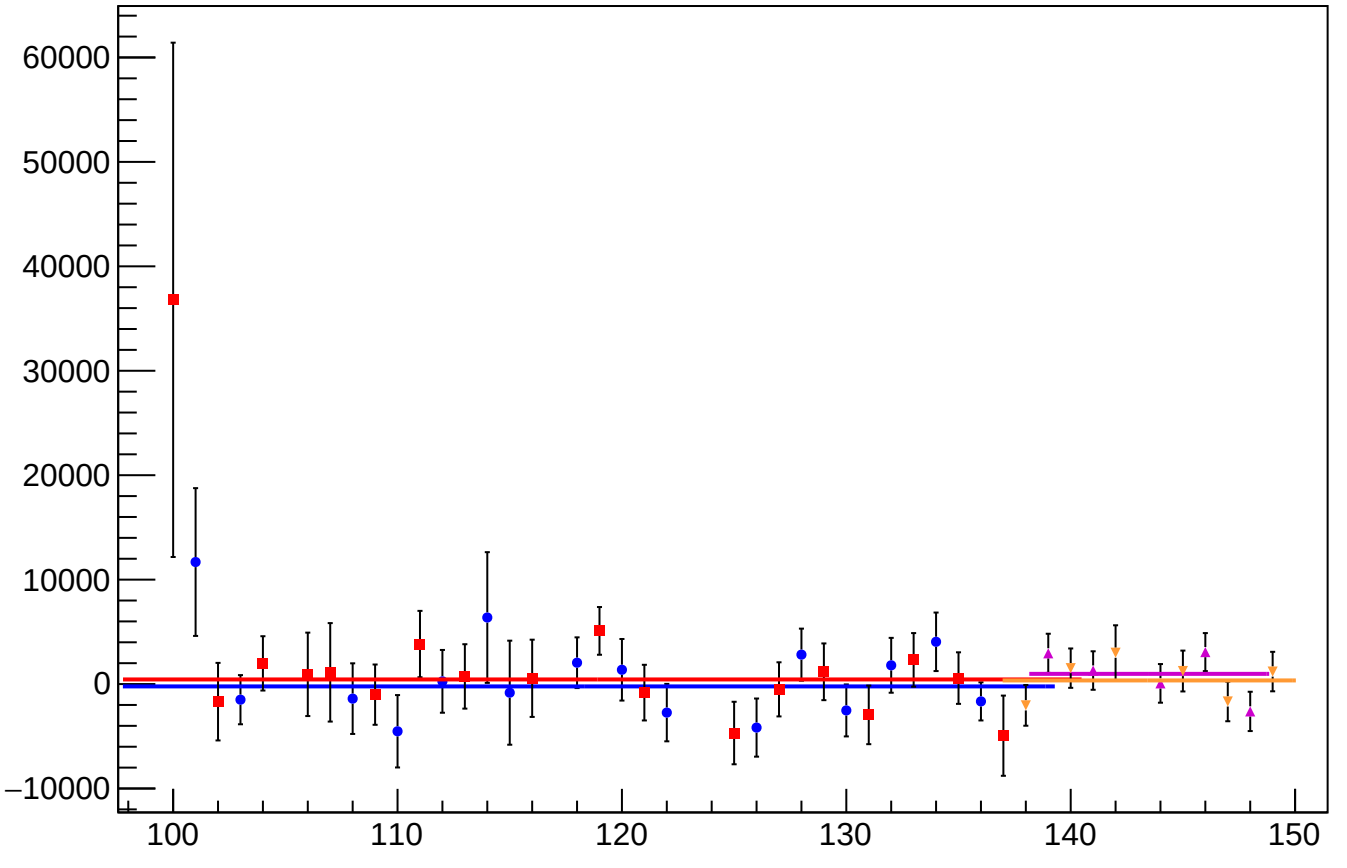
Left: 911.554+/-0.218 χ^2/NDF: 264428.3/10

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1117.053+/-0.245 χ^2/NDF:2264763.3/20

Out: 1109.670+/-0.244 χ^2/NDF:2510316.9/23

All: 1113.339+/-0.173 χ^2/NDF: 4775535.9/44



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 348.636+/-814.000 χ^2/NDF:4.4/5

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 978.061+/-828.959 χ^2/NDF:6.3/4

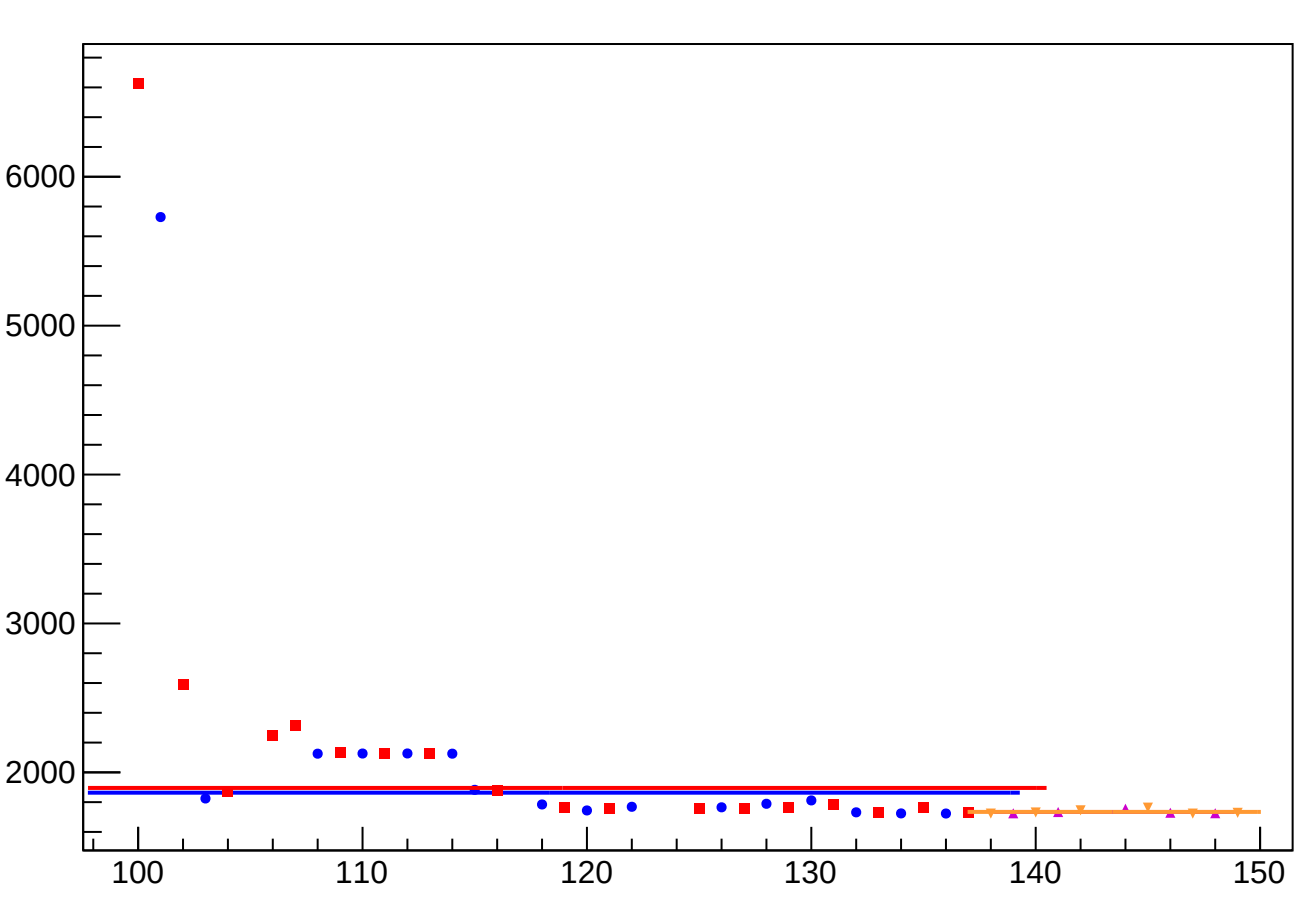
Left: 657.618+/-580.802 χ^2/NDF: 11.1/10

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 284.105+/-538.872 χ^2/NDF:23.4/20

Out: 402.038+/-536.384 χ^2/NDF:20.2/23

All: 343.344+/-380.157 χ^2/NDF: 43.6/44



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1734.493+/-0.576 χ^2/NDF:627.1/5

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: 1734.225+/-0.411 χ^2/NDF: 1006.3/10

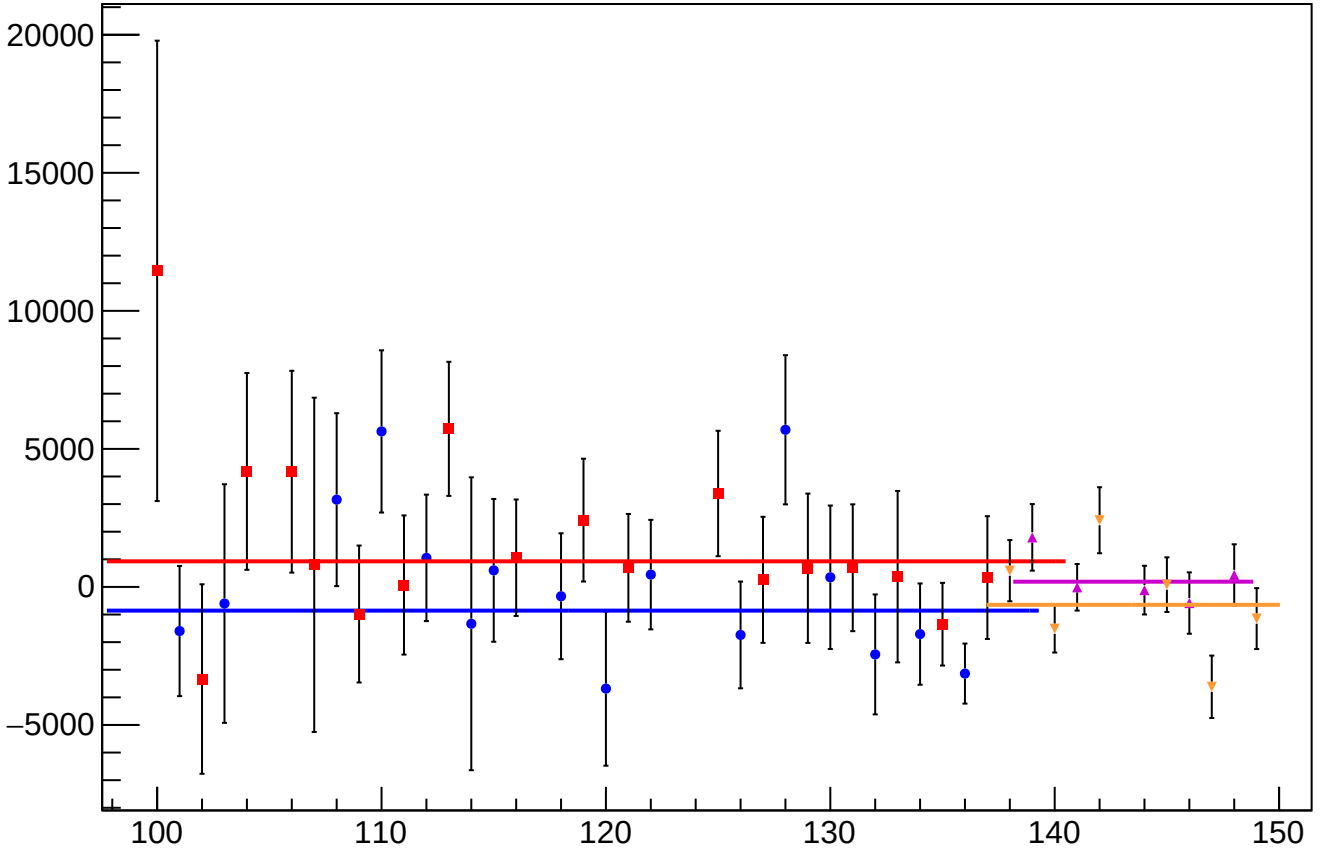
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1808.801+/-0.381 χ^2/NDF:703286.1/20

Out: 1825.584+/-0.379 χ^2/NDF:304065.4/23

All: 1817.231+/-0.269 χ^2/NDF: 1008326.1/44

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: -648.595+/-427.241 χ^2/NDF:16.5/5

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 189.580+/-447.154 χ^2/NDF:2.5/4

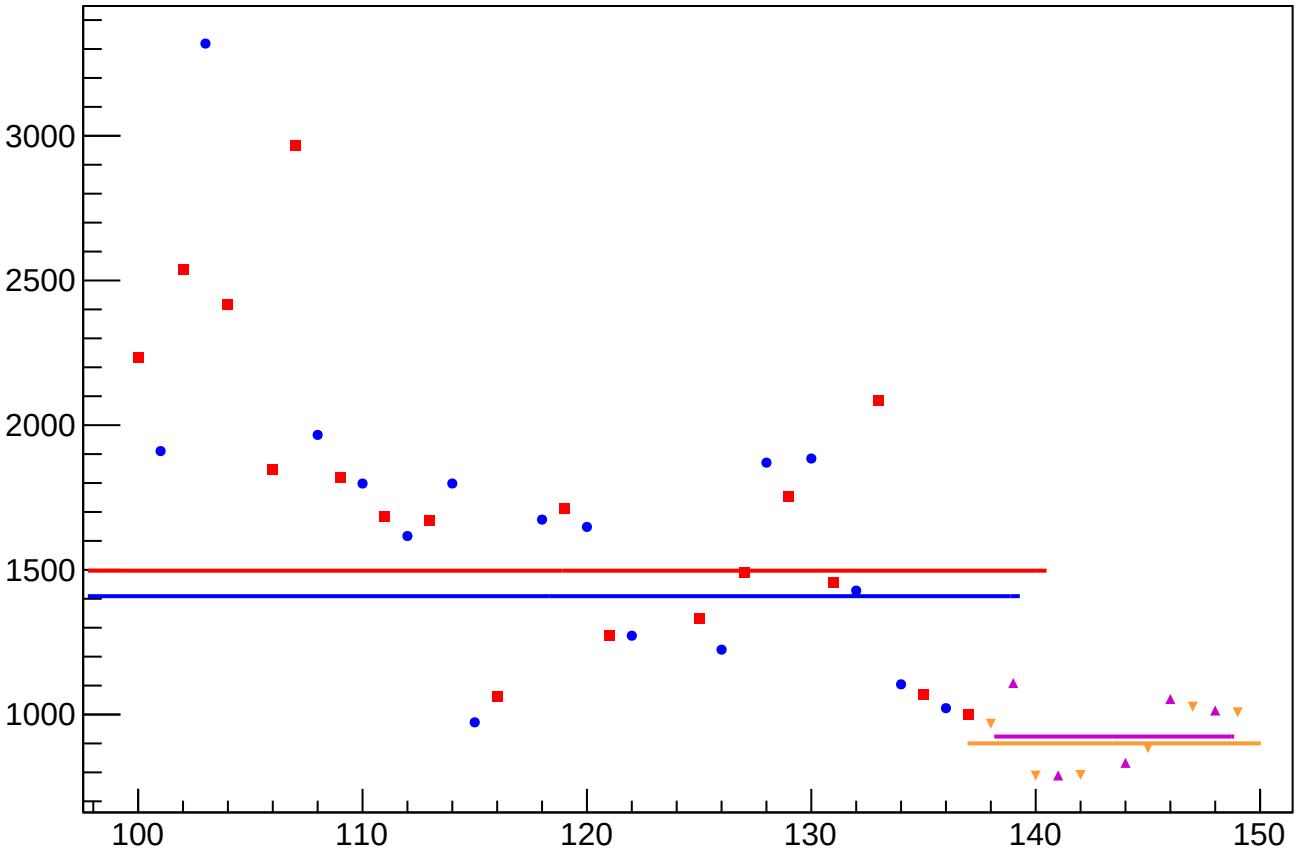
Left: -248.586+/-308.905 χ^2/NDF: 20.8/10

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -227.577+/-346.893 χ^2/NDF:25.3/20

Out: -100.328+/-345.000 χ^2/NDF:34.7/23

All: -163.604+/-244.618 χ^2/NDF: 60.1/44



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 900.319+/-0.302 χ^2/NDF:102069.2/5

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

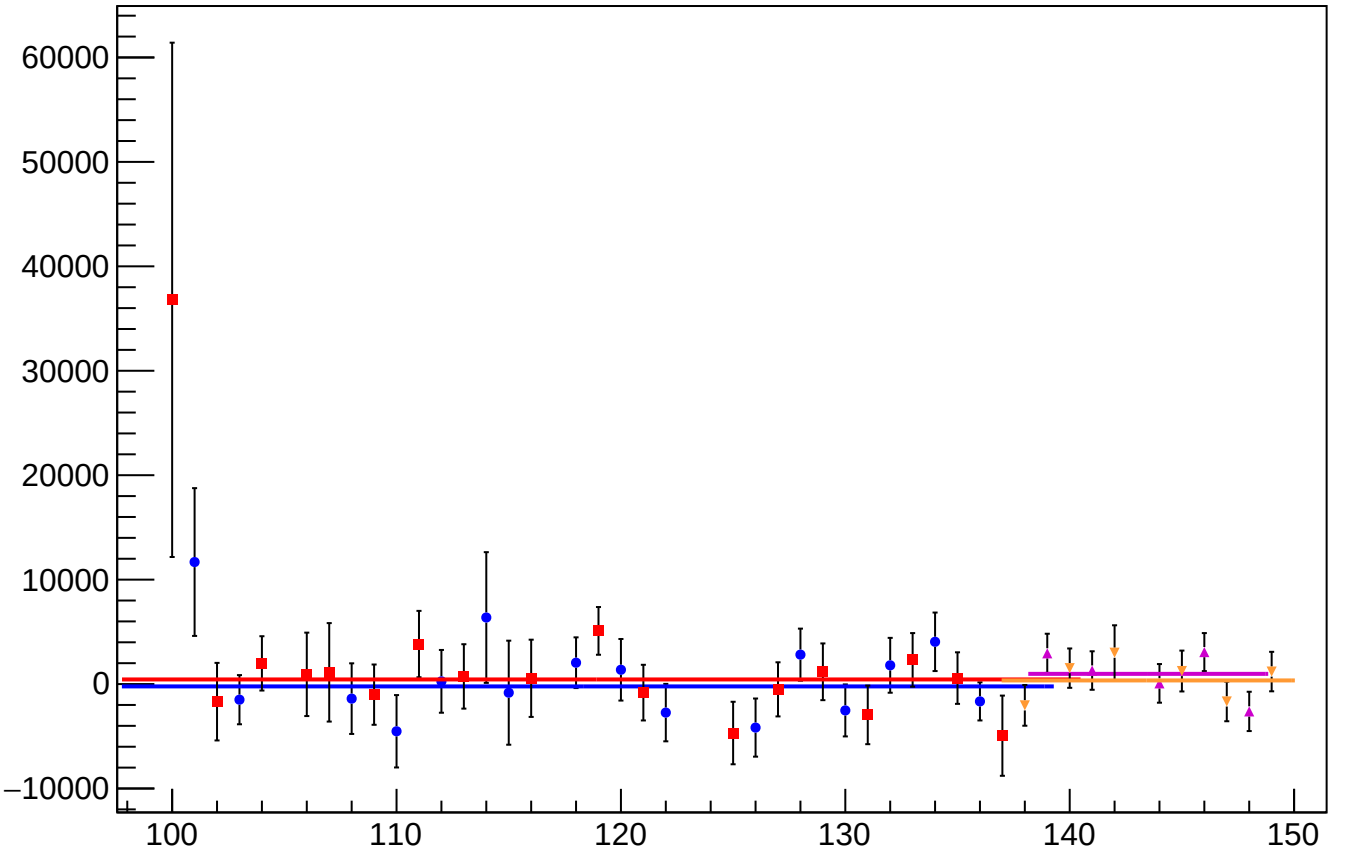
Left: 911.553+/-0.218 χ^2/NDF: 264413.2/10

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1117.033+/-0.245 χ^2/NDF:2263959.5/20

Out: 1107.975+/-0.244 χ^2/NDF:2478134.6/23

All: 1112.479+/-0.173 χ^2/NDF: 4742779.6/44



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 348.636+/-814.000 χ^2/NDF:4.4/5

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 978.061+/-828.959 χ^2/NDF:6.3/4

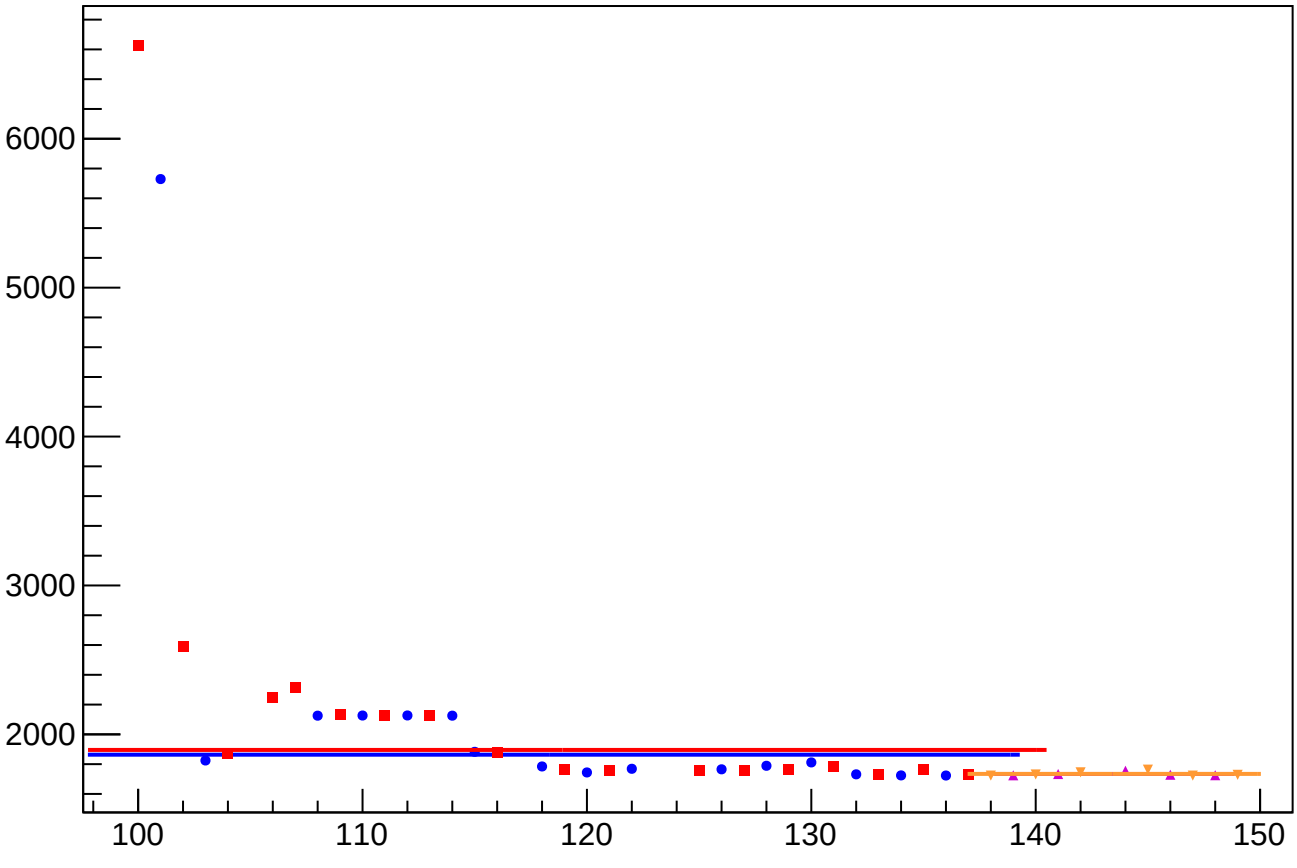
Left: 657.618+/-580.802 χ^2/NDF: 11.1/10

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 284.105+/-538.872 χ^2/NDF:23.4/20

Out: 402.038+/-536.384 χ^2/NDF:20.2/23

All: 343.344+/-380.157 χ^2/NDF: 43.6/44



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1734.493+/-0.576 χ^2/NDF:627.1/5

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.947+/-0.586 χ^2/NDF:378.7/4

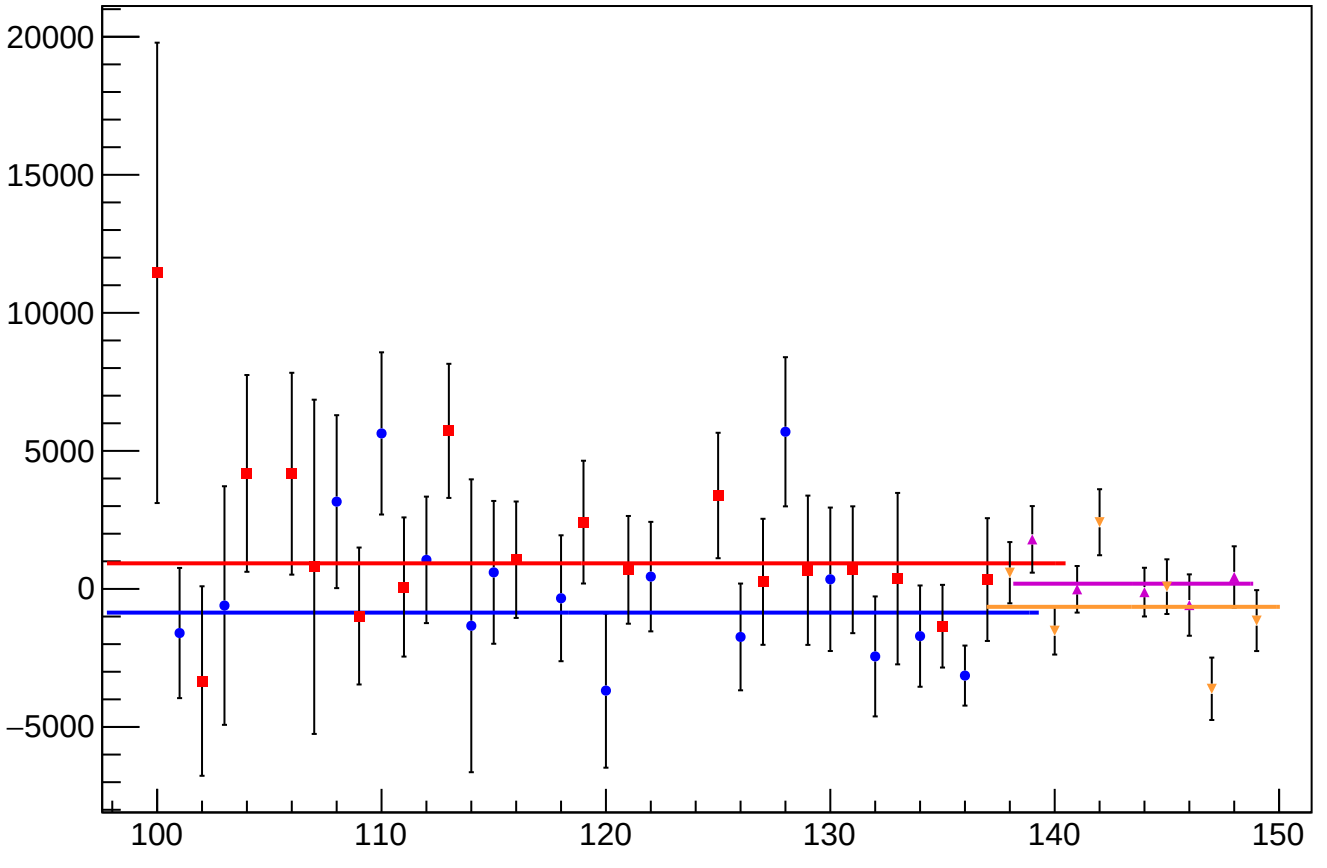
Left: 1734.225+/-0.411 χ^2/NDF: 1006.3/10

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1808.801+/-0.381 χ^2/NDF:703286.1/20

Out: 1825.584+/-0.379 χ^2/NDF:304065.4/23

All: 1817.231+/-0.269 χ^2/NDF: 1008326.1/44



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -648.595+/-427.241 χ^2/NDF:16.5/5

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: -248.586+/-308.905 χ^2/NDF: 20.8/10

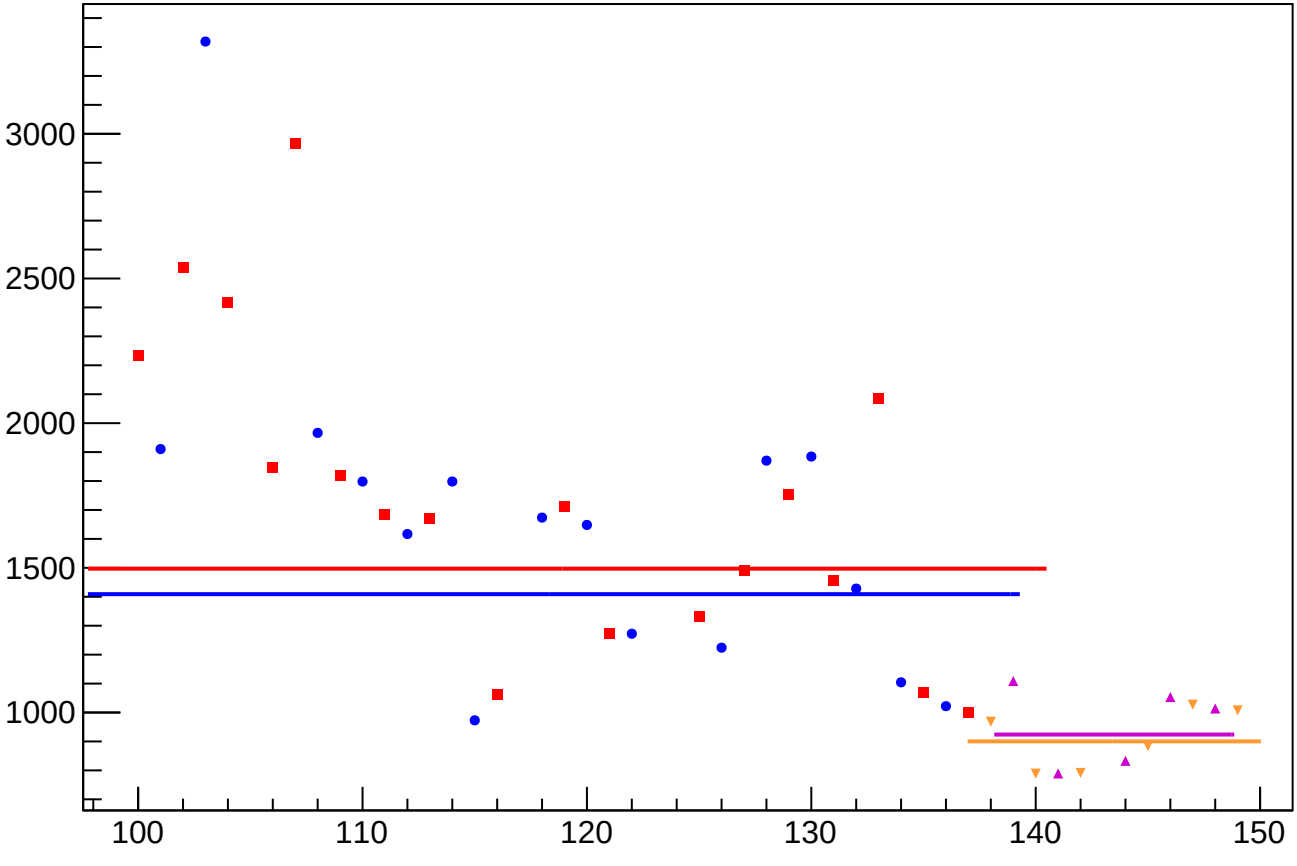
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -227.577+/-346.893 χ^2/NDF:25.3/20

Out: -100.328+/-345.000 χ^2/NDF:34.7/23

All: -163.604+/-244.618 χ^2/NDF: 60.1/44

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 900.319+/-0.302 χ^2/NDF:102069.2/5

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 923.859+/-0.316 χ^2/NDF:159446.3/4

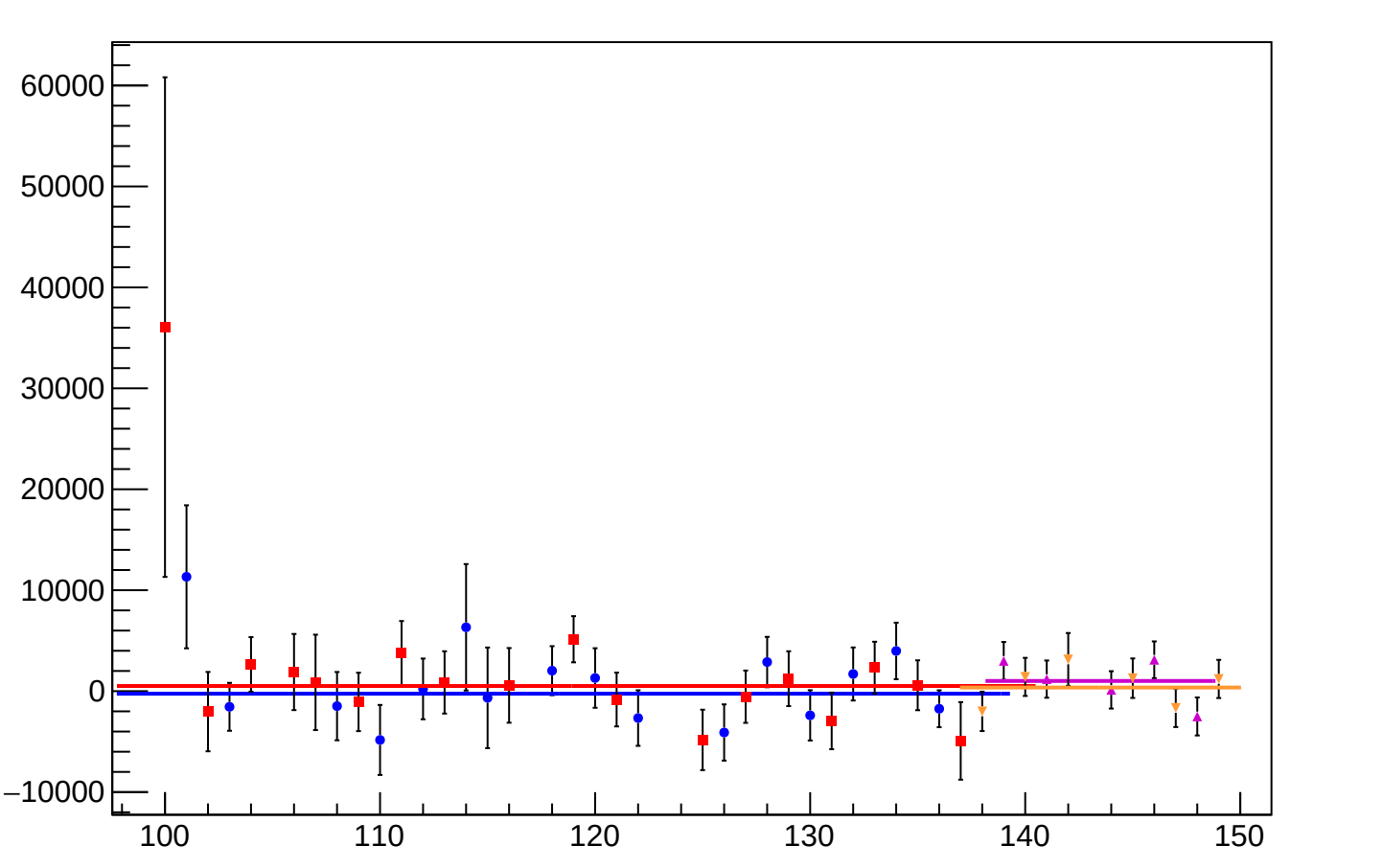
Left: 911.553+/-0.218 χ^2/NDF: 264413.2/10

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1117.033+/-0.245 χ^2/NDF:2263959.5/20

Out: 1107.975+/-0.244 χ^2/NDF:2478134.6/23

All: 1112.479+/-0.173 χ^2/NDF: 4742779.6/44



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 360.065+/-814.103 χ^2/NDF:4.5/5

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1010.706+/-829.364 χ^2/NDF:6.2/4

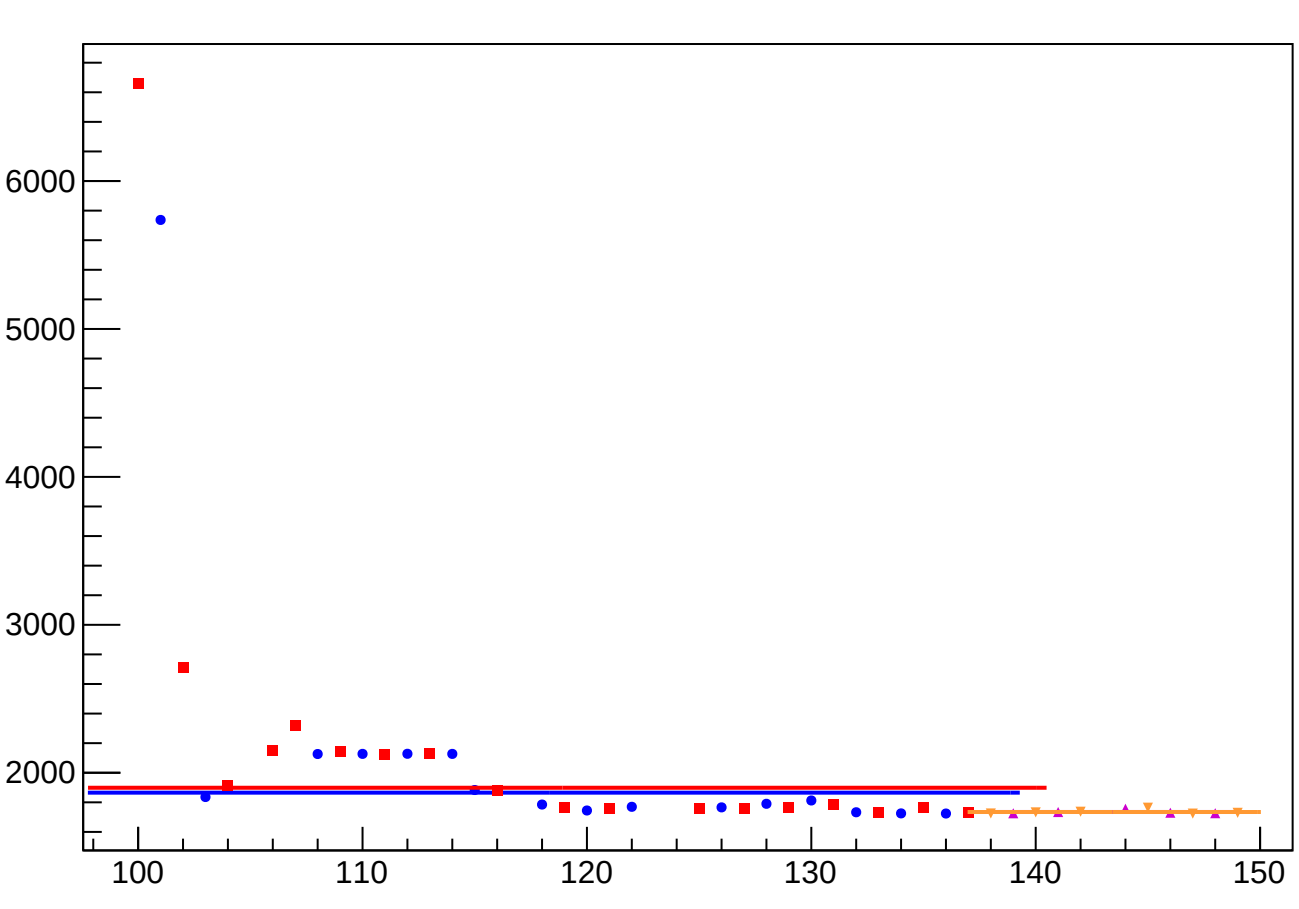
Left: 679.344+/-580.978 χ^2/NDF: 11.0/10

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 281.989+/-539.344 χ^2/NDF:23.2/20

Out: 444.730+/-537.409 χ^2/NDF:20.9/23

All: 363.652+/-380.688 χ^2/NDF: 44.1/44



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.607+/-0.576 χ^2/NDF:581.1/5

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

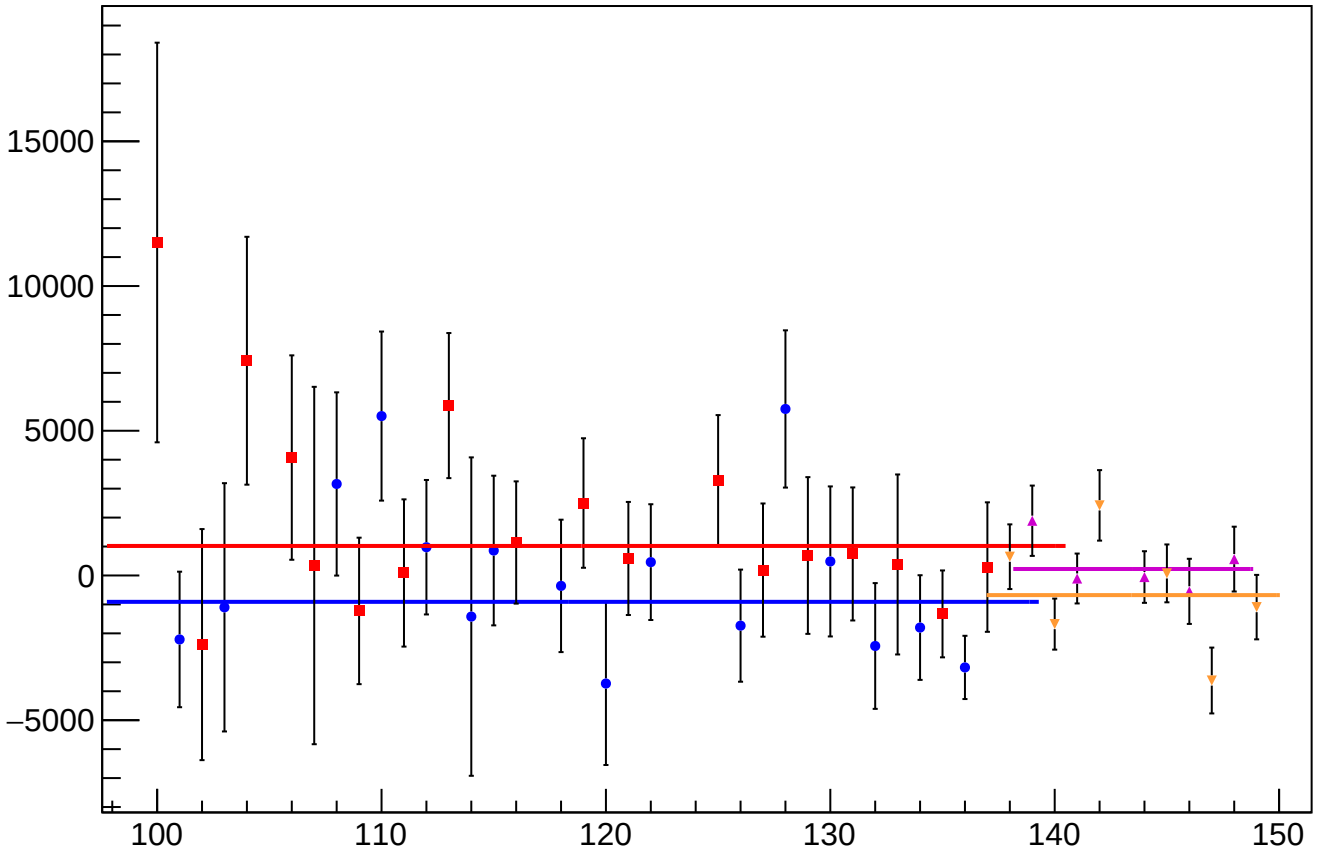
Left: 1734.699+/-0.411 χ^2/NDF: 959.6/10

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1810.189+/-0.381 χ^2/NDF:704008.3/20

Out: 1827.140+/-0.380 χ^2/NDF:315483.9/23

All: 1818.695+/-0.269 χ^2/NDF: 1020483.4/44



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -678.329+/-432.743 χ^2/NDF:16.6/5

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 224.060+/-453.176 χ^2/NDF:2.7/4

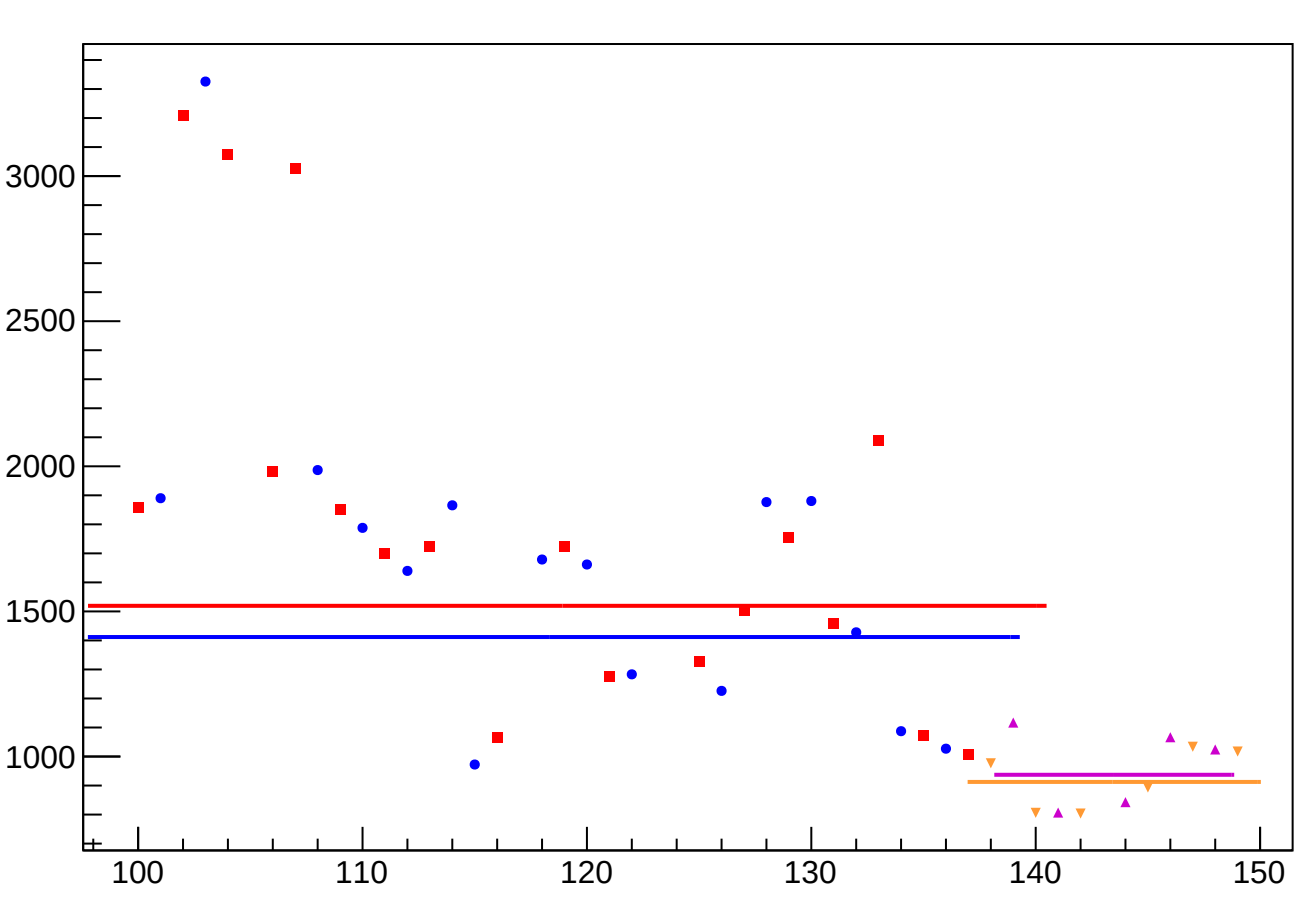
Left: -247.937+/-312.970 χ^2/NDF: 21.4/10

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -234.080+/-349.962 χ^2/NDF:26.2/20

Out: -86.316+/-349.275 χ^2/NDF:36.9/23

All: -160.053+/-247.217 χ^2/NDF: 63.2/44



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 912.485+/-0.306 χ^2/NDF:92873.7/5

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 937.096+/-0.320 χ^2/NDF:150439.8/4

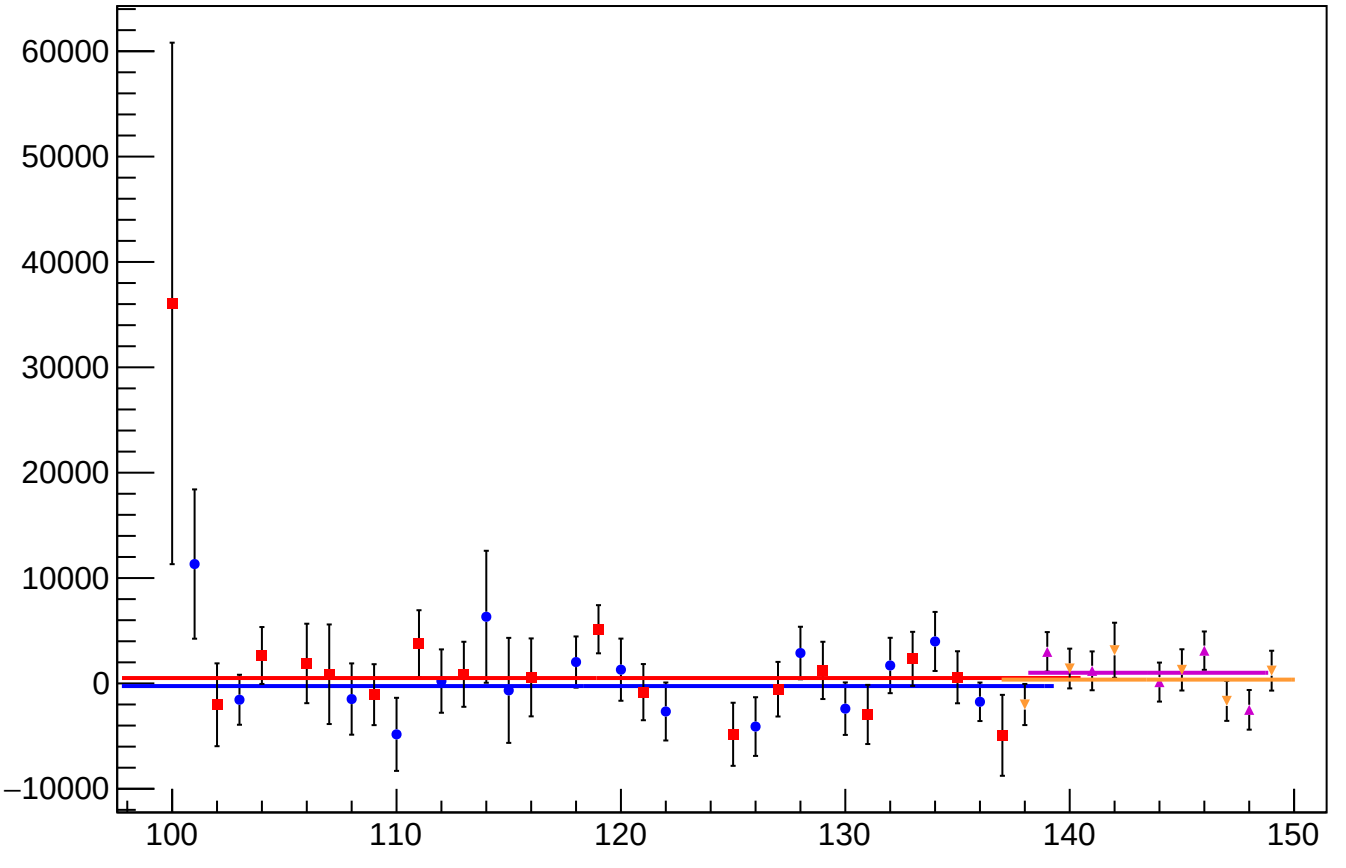
Left: 924.223+/-0.221 χ^2/NDF: 246398.7/10

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1128.686+/-0.247 χ^2/NDF:2213796.3/20

Out: 1123.999+/-0.247 χ^2/NDF:2823797.8/23

All: 1126.337+/-0.175 χ^2/NDF: 5037773.8/44



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 360.063+/-814.103 χ^2/NDF:4.5/5

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1010.708+/-829.364 χ^2/NDF:6.2/4

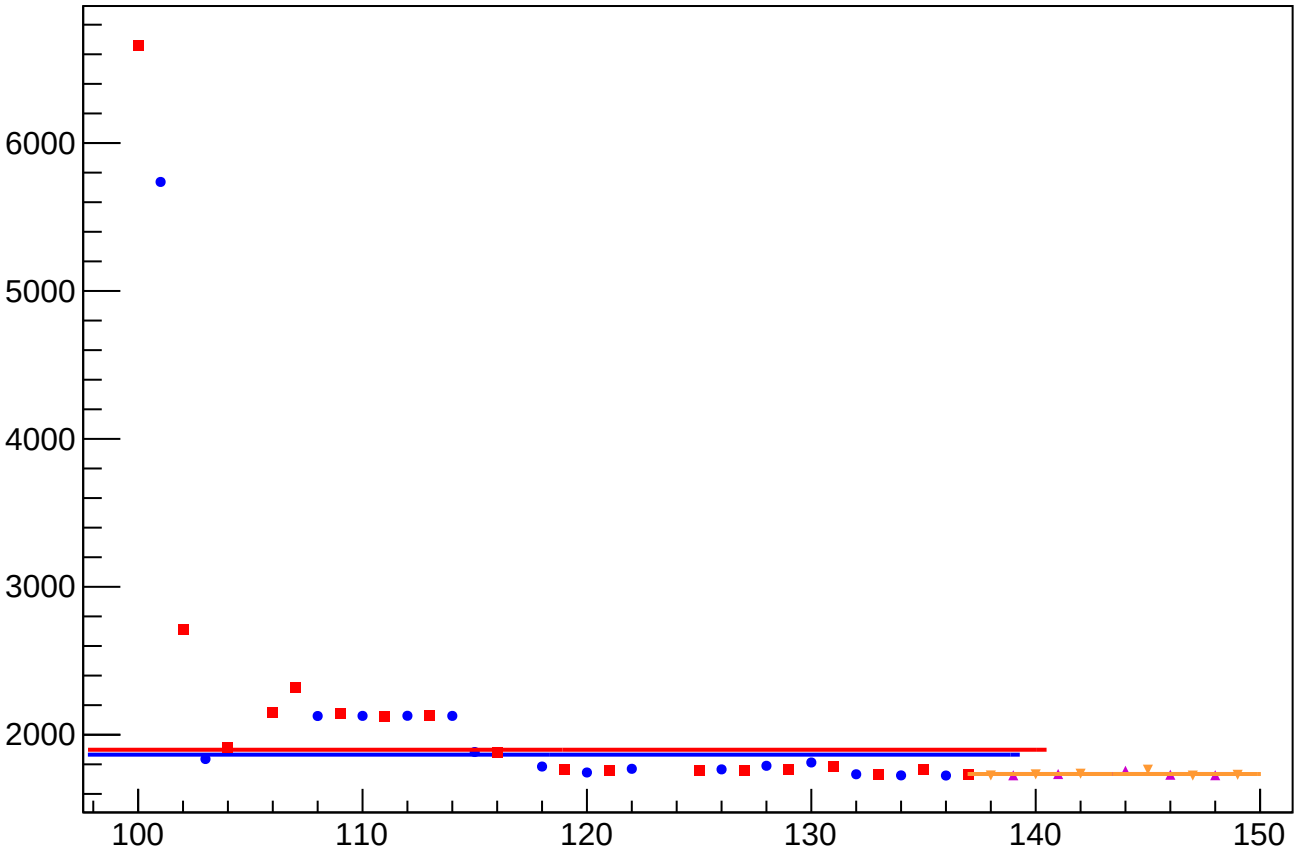
Left: 679.344+/-580.978 χ^2/NDF: 11.0/10

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 281.990+/-539.344 χ^2/NDF:23.2/20

Out: 444.729+/-537.409 χ^2/NDF:20.9/23

All: 363.652+/-380.688 χ^2/NDF: 44.1/44



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.607+/-0.576 χ^2/NDF:581.1/5

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.794+/-0.586 χ^2/NDF:378.4/4

Left: 1734.699+/-0.411 χ^2/NDF: 959.6/10

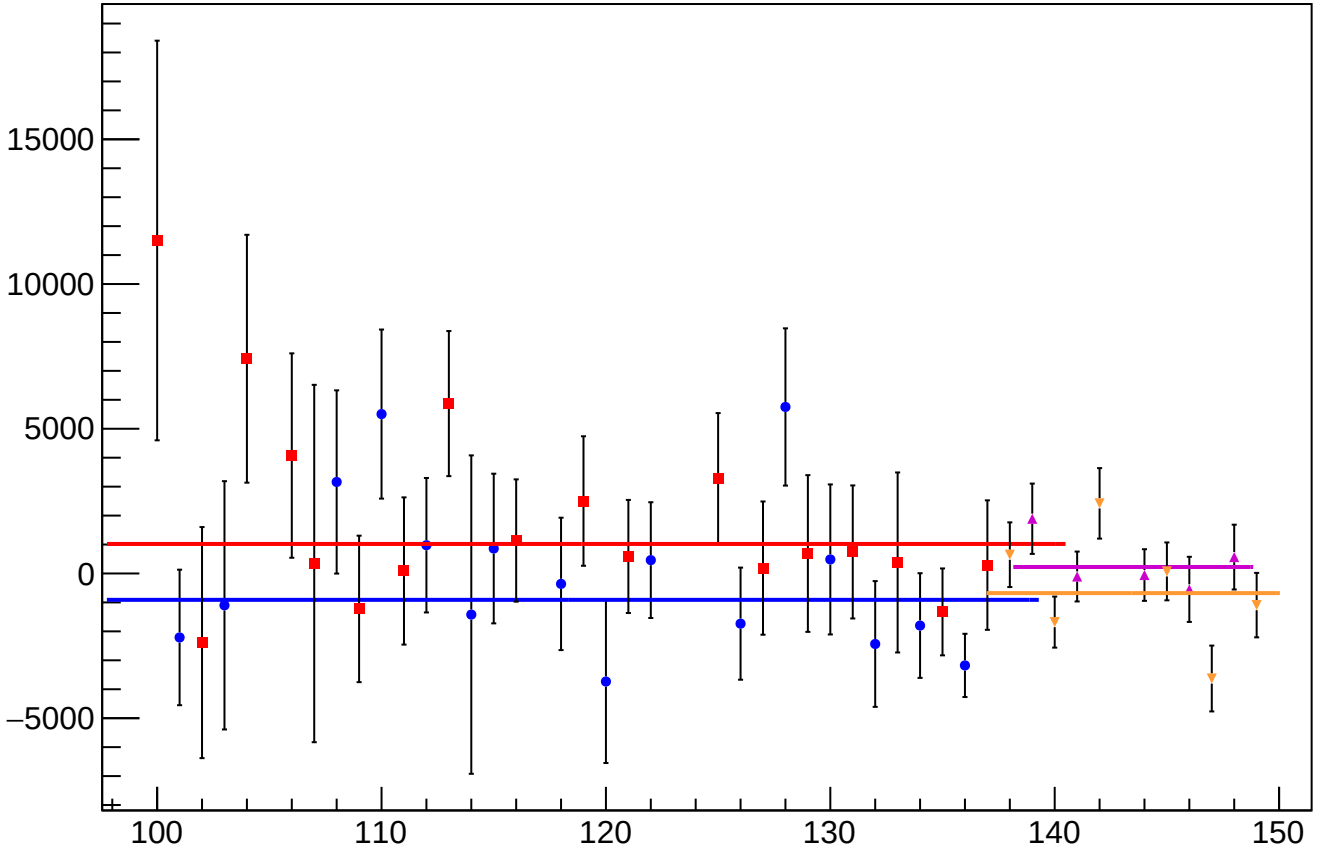
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1810.189+/-0.381 χ^2/NDF:704008.3/20

Out: 1827.140+/-0.380 χ^2/NDF:315483.6/23

All: 1818.695+/-0.269 χ^2/NDF: 1020483.2/44

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -678.330+/-432.743 χ^2/NDF:16.6/5

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 224.059+/-453.176 χ^2/NDF:2.7/4

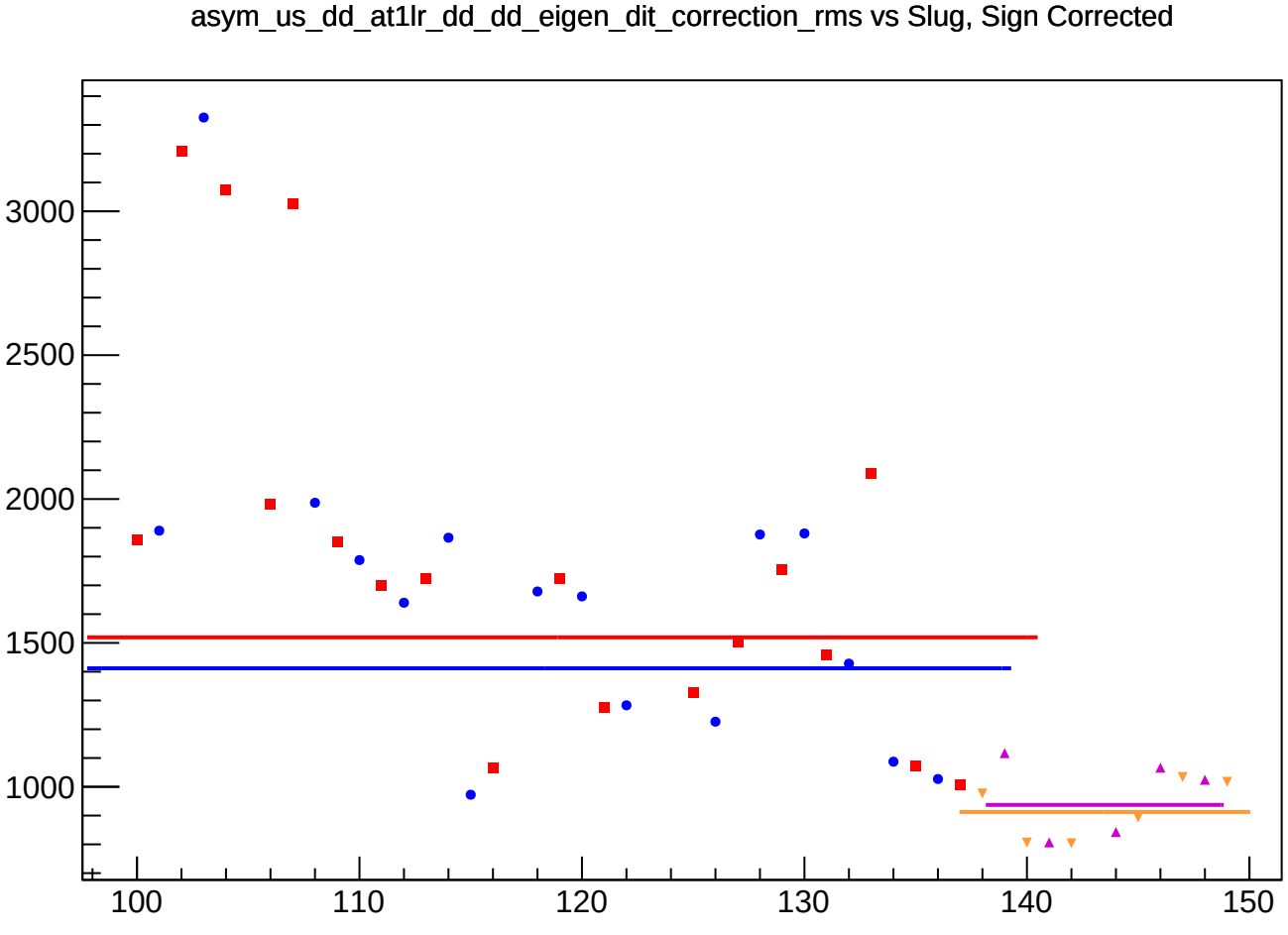
Left: -247.938+/-312.970 χ^2/NDF: 21.4/10

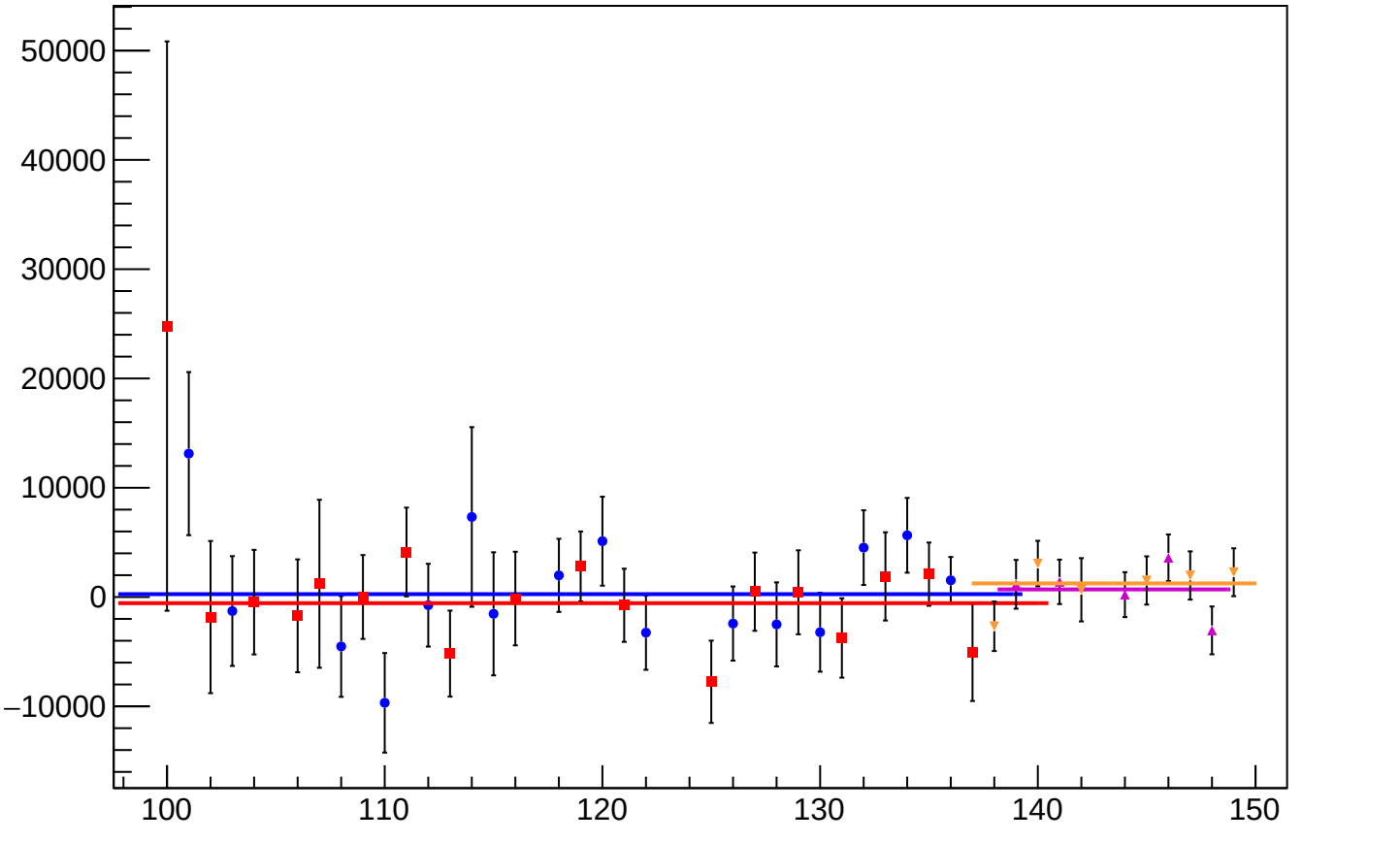
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -234.080+/-349.961 χ^2/NDF:26.2/20

Out: -86.317+/-349.274 χ^2/NDF:36.9/23

All: -160.053+/-247.217 χ^2/NDF: 63.2/44


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 912.484+/-0.306 χ²/NDF:92877.3/5
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 937.095+/-0.320 χ²/NDF:150443.9/4
Left: 924.222+/-0.221 χ²/NDF: 246406.5/10
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1128.684+/-0.247 χ²/NDF:2213794.6/20
Out: 1123.997+/-0.247 χ²/NDF:2823804.4/23
All: 1126.336+/-0.175 χ²/NDF: 5037778.7/44



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1248.303+/-926.620 χ^2/NDF:4.2/5

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 697.752+/-950.249 χ^2/NDF:5.0/4

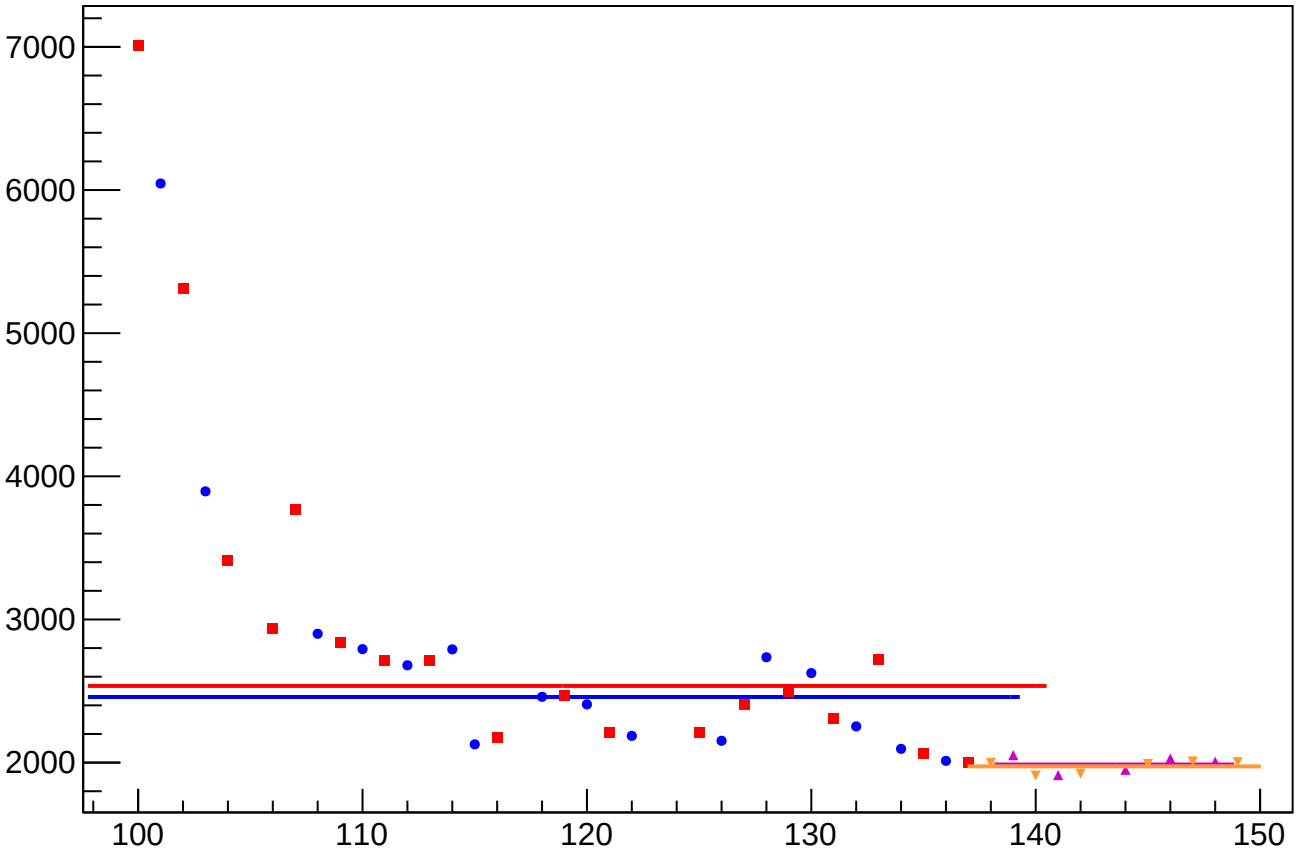
Left: 979.958+/-663.416 χ^2/NDF: 9.3/10

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 479.173+/-668.985 χ^2/NDF:24.1/20

Out: 378.437+/-667.691 χ^2/NDF:17.7/23

All: 428.708+/-472.586 χ^2/NDF: 41.9/44



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1973.717+/-0.655 χ^2/NDF:3742.9/5

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1986.726+/-0.672 χ^2/NDF:5965.5/4

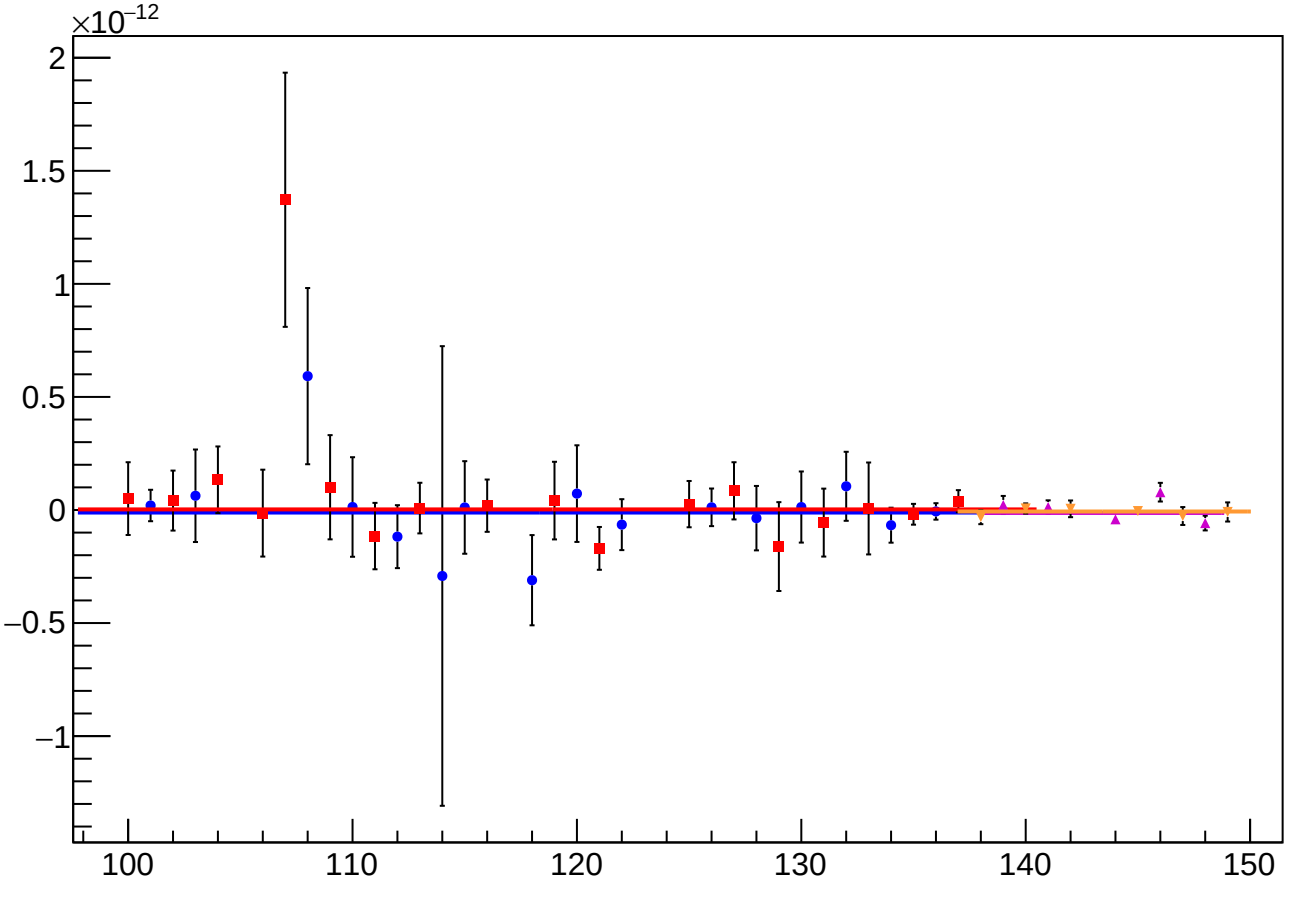
Left: 1980.058+/-0.469 χ^2/NDF: 9900.5/10

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2224.590+/-0.473 χ^2/NDF:1087317.9/20

Out: 2243.950+/-0.472 χ^2/NDF:1030875.3/23

All: 2234.289+/-0.334 χ^2/NDF: 2119032.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/4

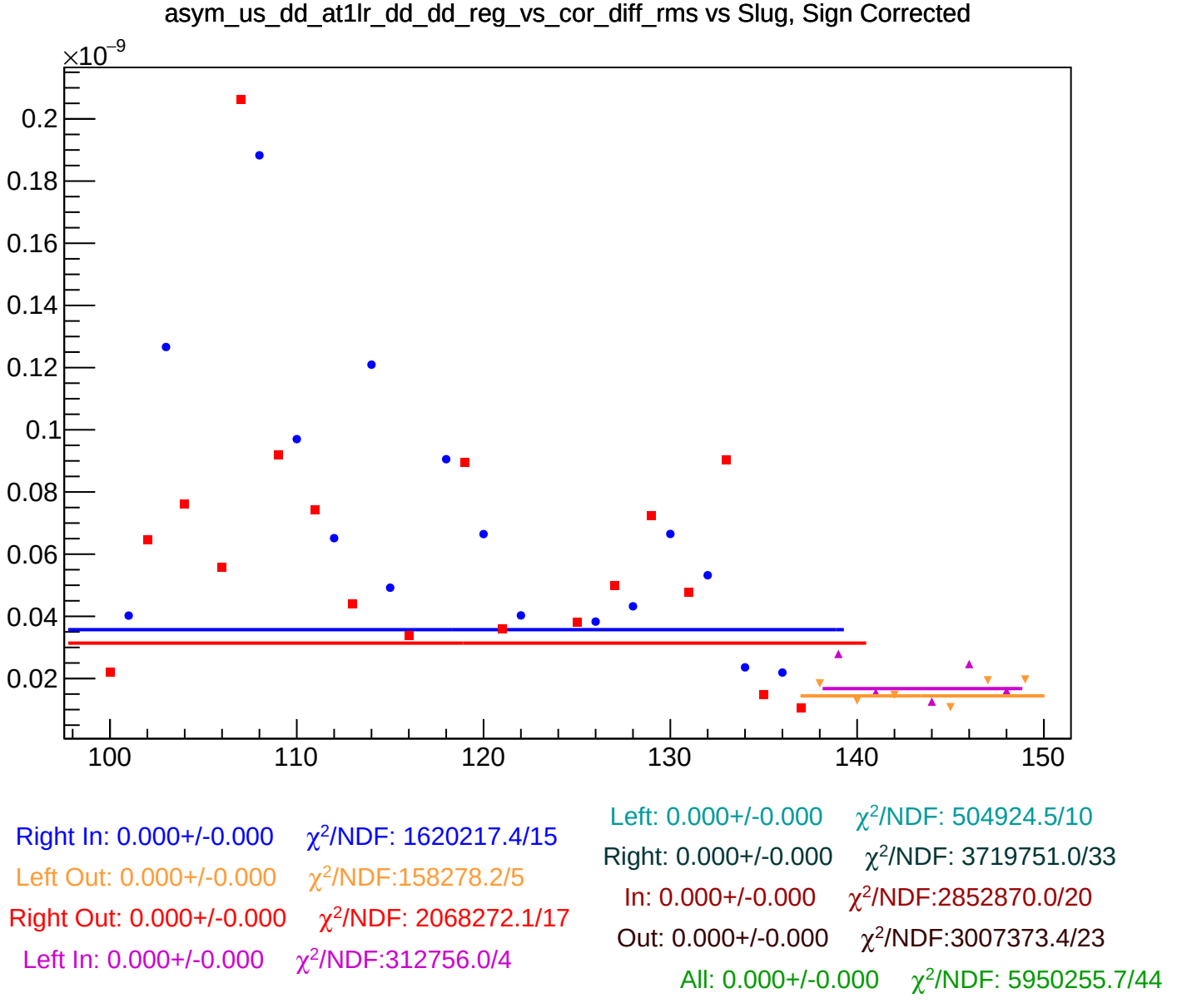
Left: -0.000+/-0.000 χ^2/NDF: 11.7/10

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

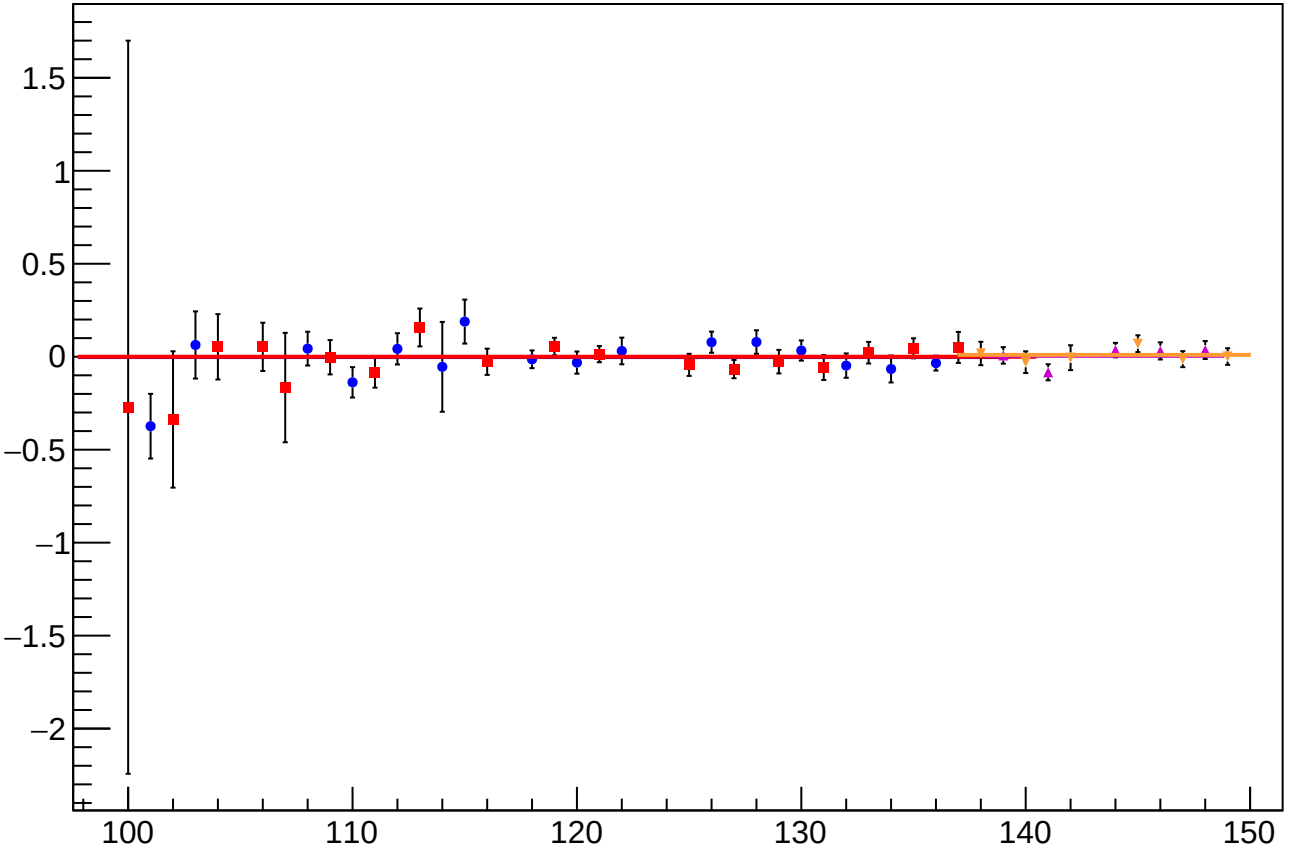
In: -0.000+/-0.000 χ^2/NDF:17.5/20

Out: -0.000+/-0.000 χ^2/NDF:14.7/23

All: -0.000+/-0.000 χ^2/NDF: 32.4/44


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:158278.2/5
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: 504924.5/10
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:3007373.4/23
All: 0.000+/-0.000 χ²/NDF: 5950255.7/44

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: 0.010+/-0.021 χ^2/NDF:2.6/5

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.020 χ^2/NDF:5.5/4

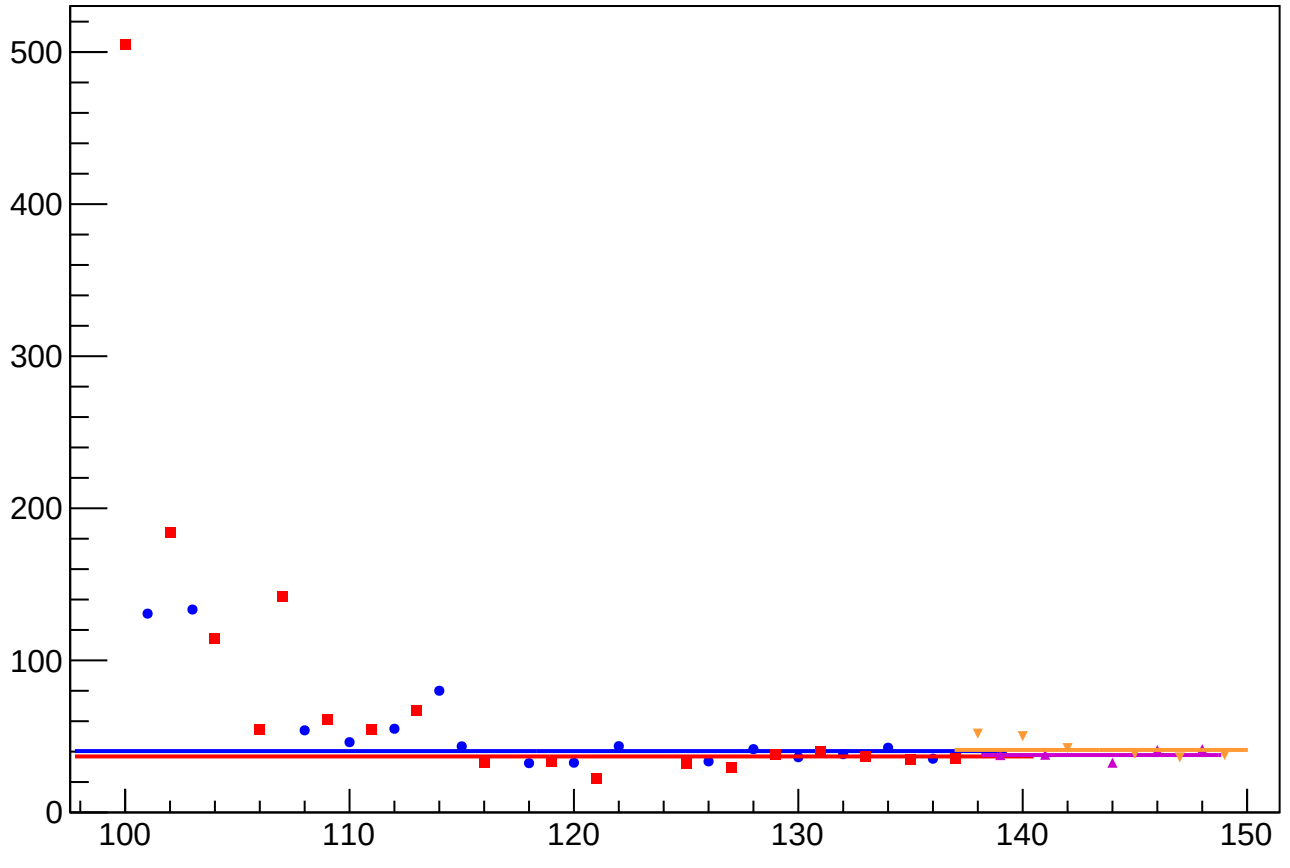
Left: 0.007+/-0.014 χ^2/NDF: 8.2/10

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+/-0.013 χ^2/NDF:13.7/23

All: 0.002+/-0.009 χ^2/NDF: 36.4/44



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.115+/-0.015 χ^2/NDF:150437.5/5

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: 39.329+/-0.010 χ^2/NDF: 234377.5/10

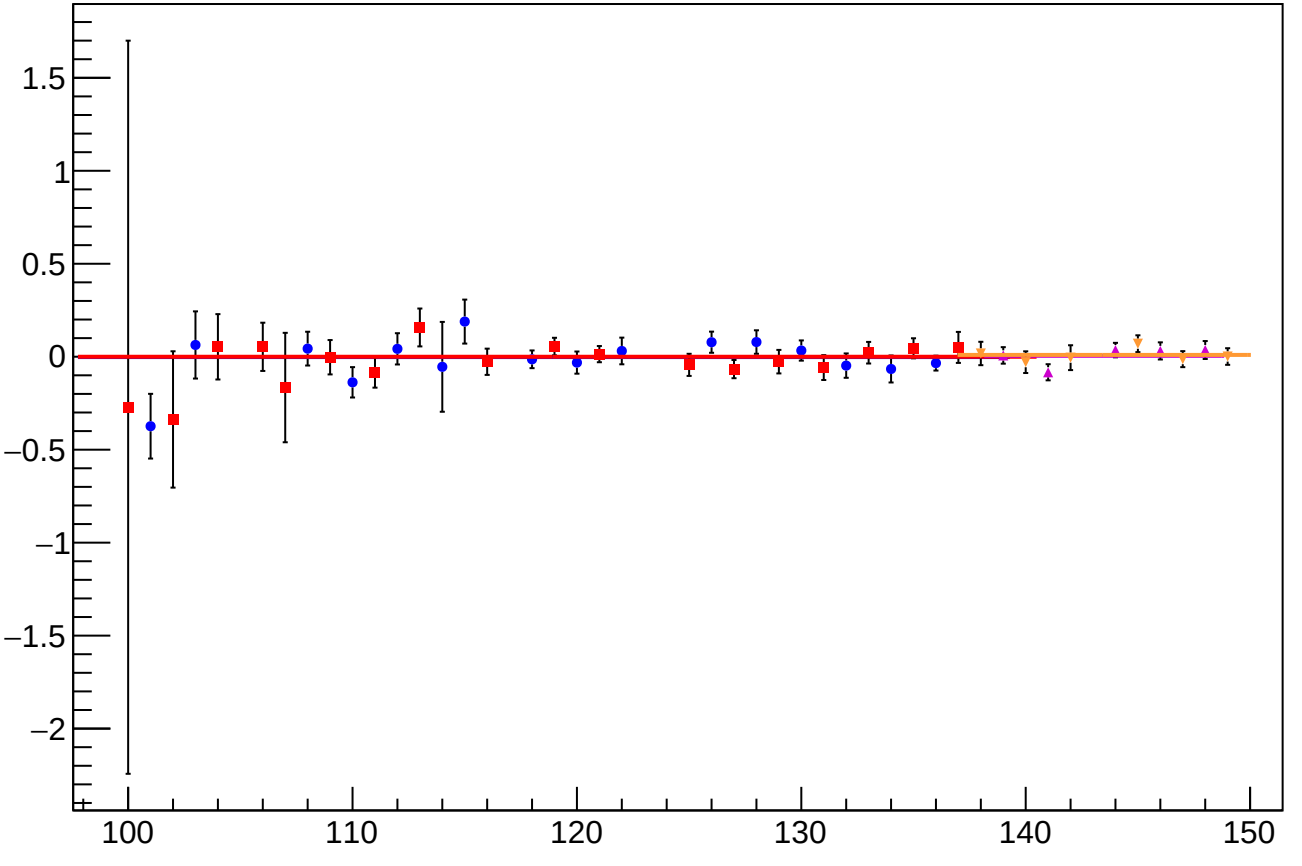
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.228+/-0.009 χ^2/NDF:1486439.7/20

Out: 38.498+/-0.009 χ^2/NDF:2039249.3/23

All: 38.867+/-0.006 χ^2/NDF: 3528867.0/44

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: 0.010+/-0.021 χ^2/NDF:2.6/5

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: 0.007+/-0.014 χ^2/NDF: 8.2/10

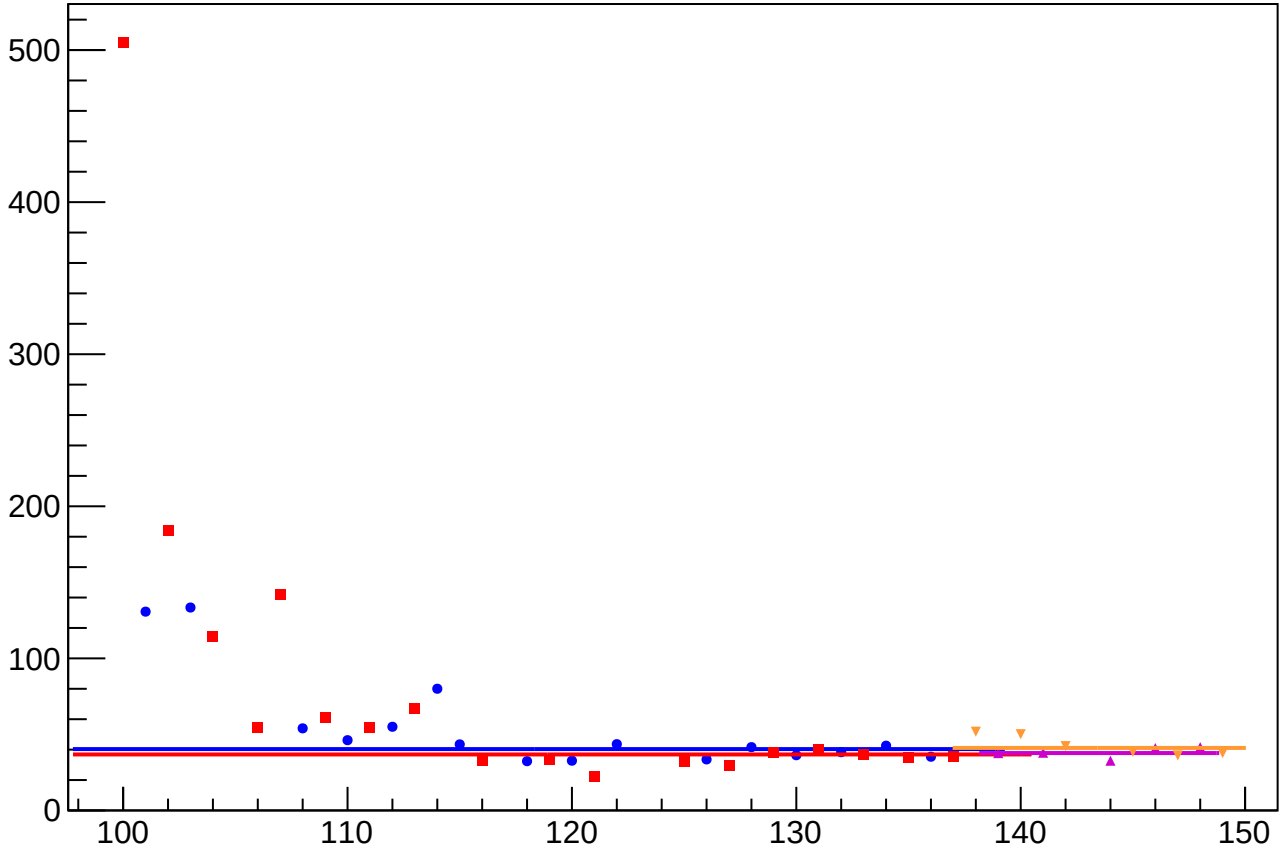
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.013 χ^2/NDF:13.7/23

All: 0.002+/-0.009 χ^2/NDF: 36.4/44

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: 41.115+/-0.015 χ^2/NDF:150437.5/5

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.746+/-0.014 χ^2/NDF:56233.0/4

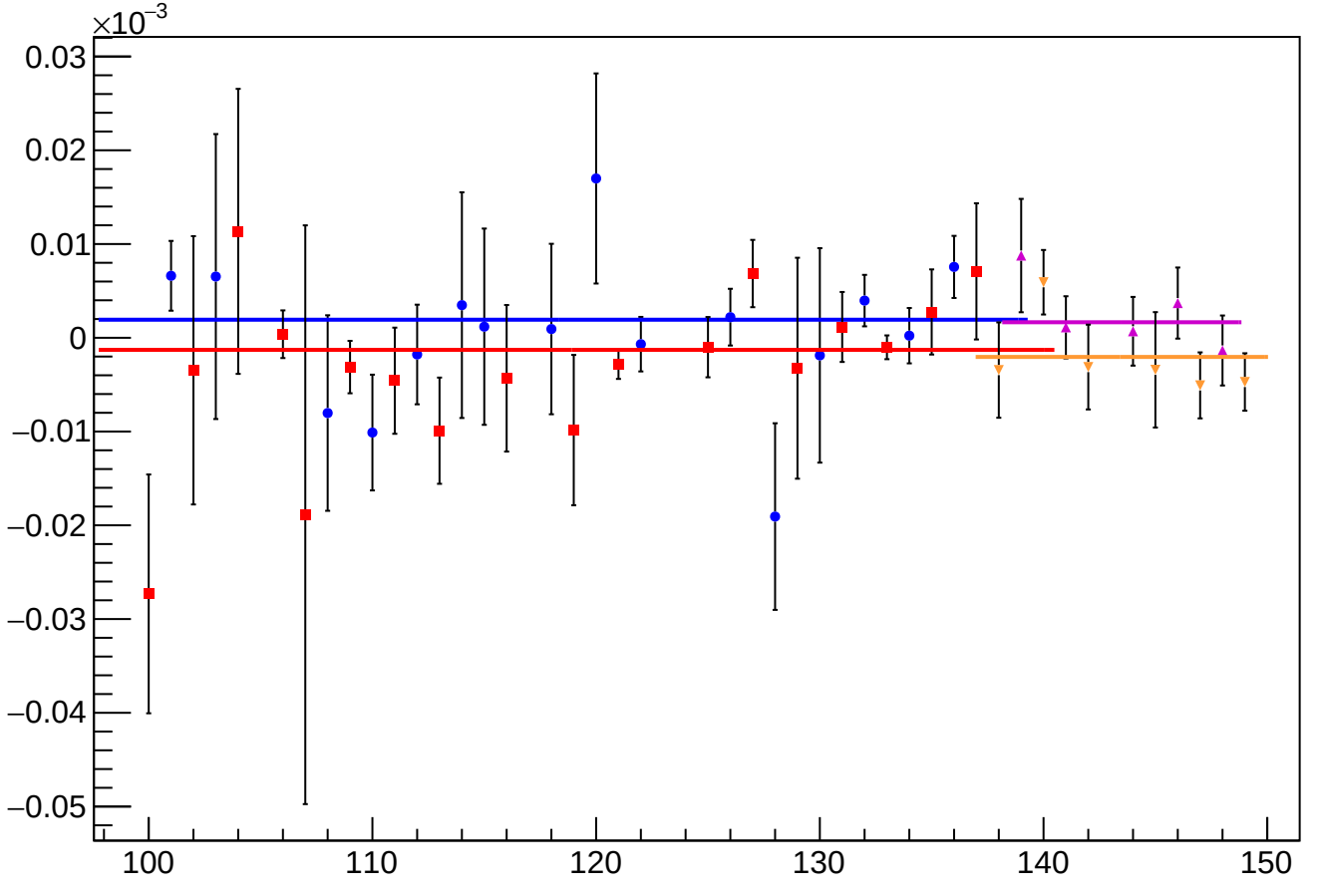
Left: 39.329+/-0.010 χ^2/NDF: 234377.5/10

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.228+/-0.009 χ^2/NDF:1486439.7/20

Out: 38.498+/-0.009 χ^2/NDF:2039249.3/23

All: 38.867+/-0.006 χ^2/NDF: 3528867.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/5

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: 11.9/10

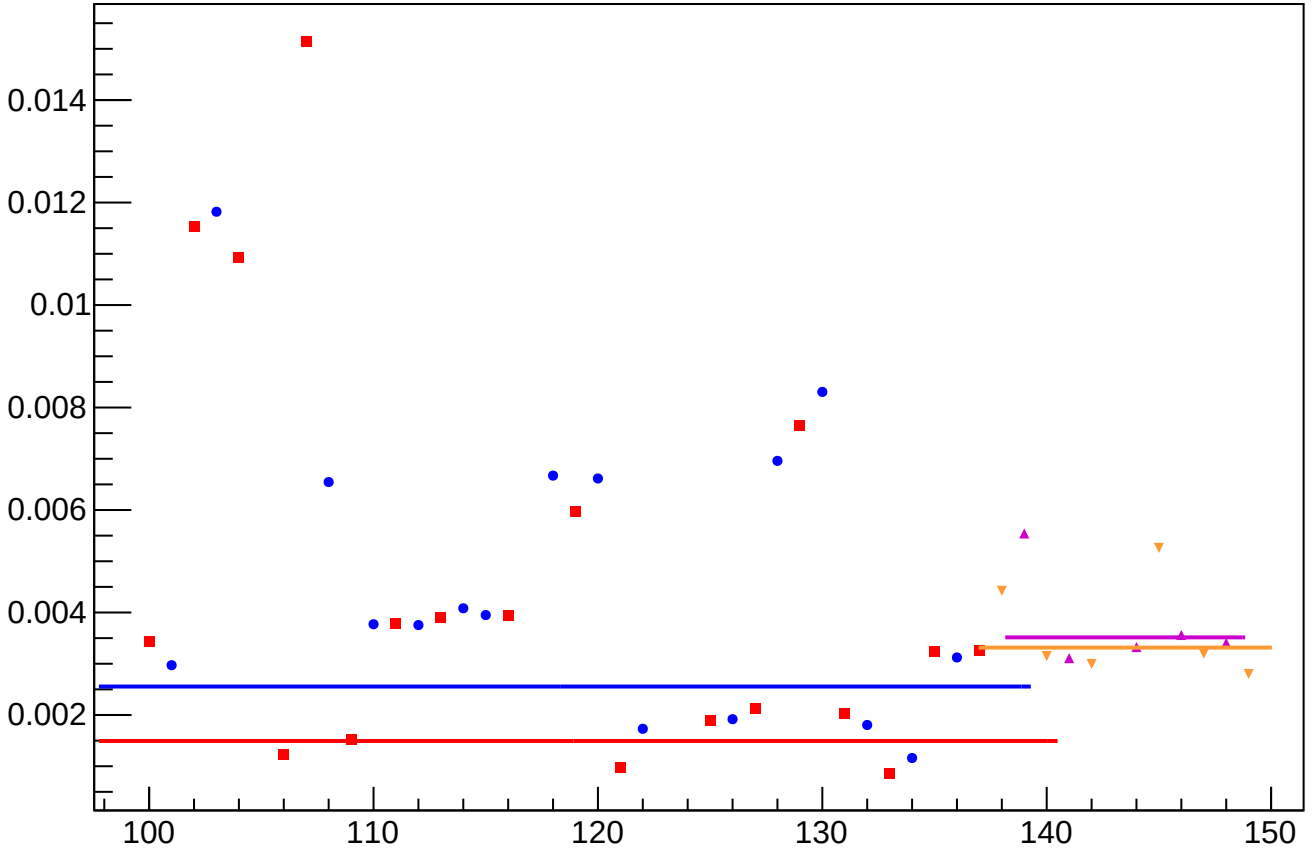
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:20.3/20

Out: -0.000+/-0.000 χ^2/NDF:26.1/23

All: -0.000+/-0.000 χ^2/NDF: 54.2/44

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:368641.3/5

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: 0.003+/-0.000 χ^2/NDF: 645112.2/10

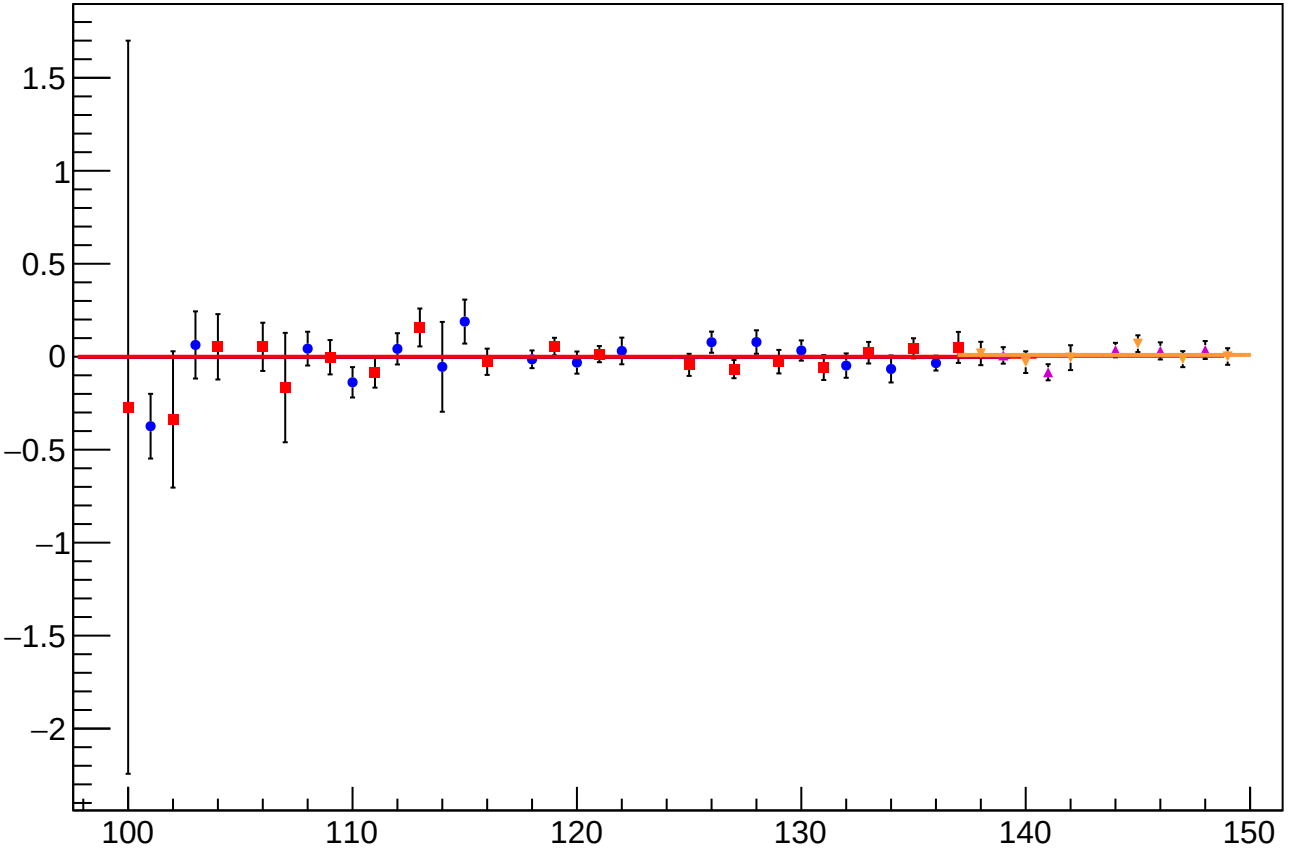
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4473134.9/20

Out: 0.002+/-0.000 χ^2/NDF:8034835.3/23

All: 0.002+/-0.000 χ^2/NDF: 14047950.3/44

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: 0.010+/-0.021 χ^2/NDF:2.6/5

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: 0.007+/-0.014 χ^2/NDF: 8.2/10

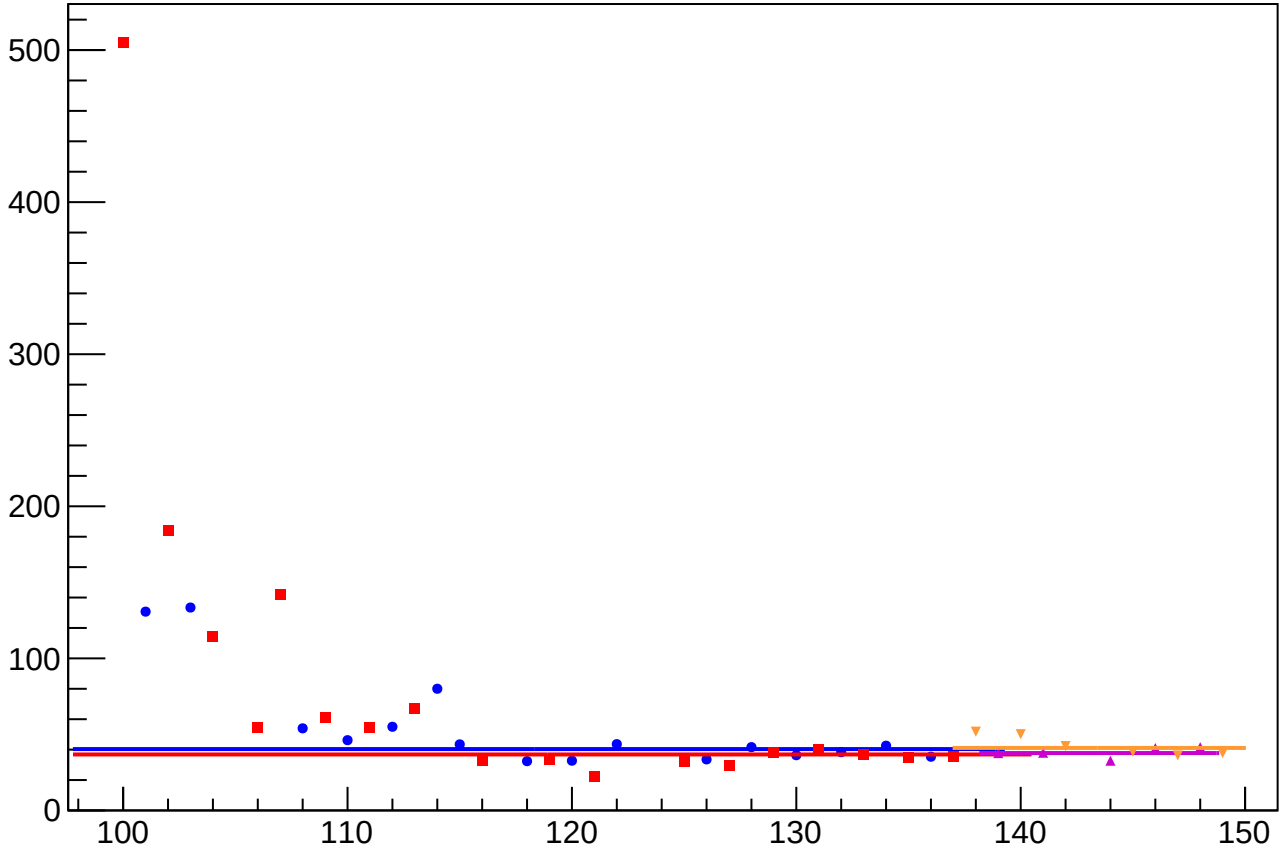
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.013 χ^2/NDF:13.7/23

All: 0.002+/-0.009 χ^2/NDF: 36.4/44

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: 41.114+/-0.015 χ^2/NDF:150451.4/5

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: 39.328+/-0.010 χ^2/NDF: 234380.0/10

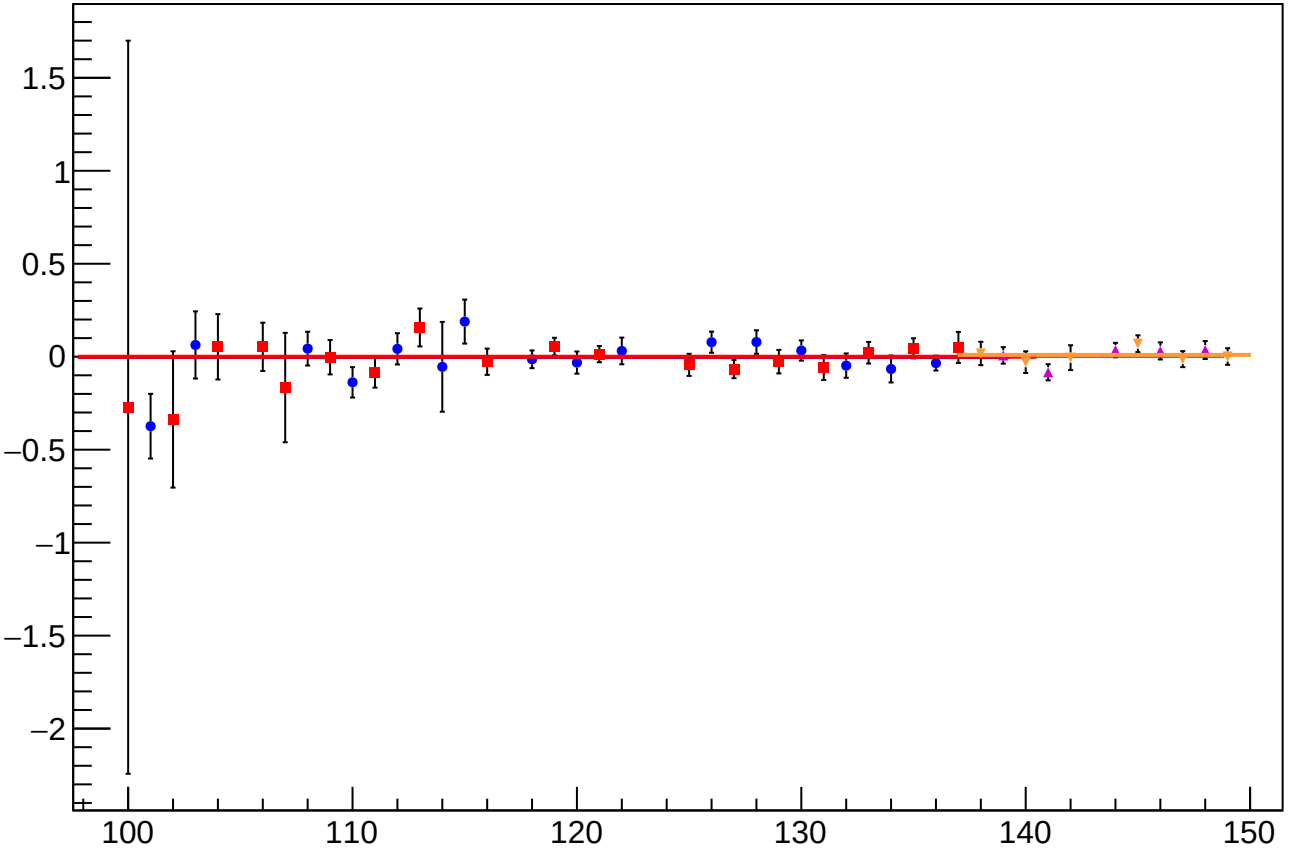
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.228+/-0.009 χ^2/NDF:1486343.8/20

Out: 38.497+/-0.009 χ^2/NDF:2039267.8/23

All: 38.867+/-0.006 χ^2/NDF: 3528797.9/44

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: 0.010+/-0.021 χ^2/NDF:2.6/5

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: 0.007+/-0.014 χ^2/NDF: 8.2/10

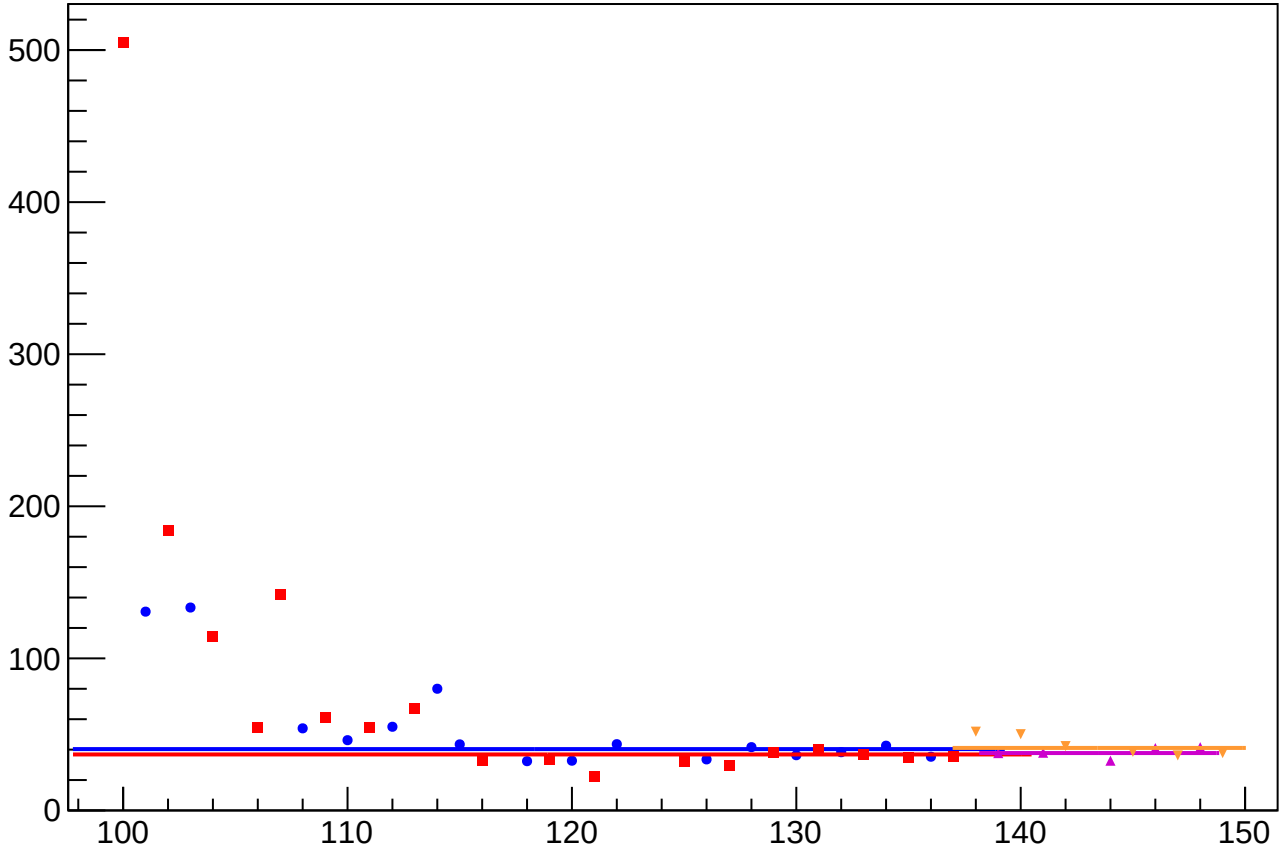
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.013 χ^2/NDF:22.7/20

Out: 0.004+/-0.013 χ^2/NDF:13.7/23

All: 0.002+/-0.009 χ^2/NDF: 36.4/44

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: 41.114+/-0.015 χ^2/NDF:150451.4/5

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.746+/-0.014 χ^2/NDF:56226.2/4

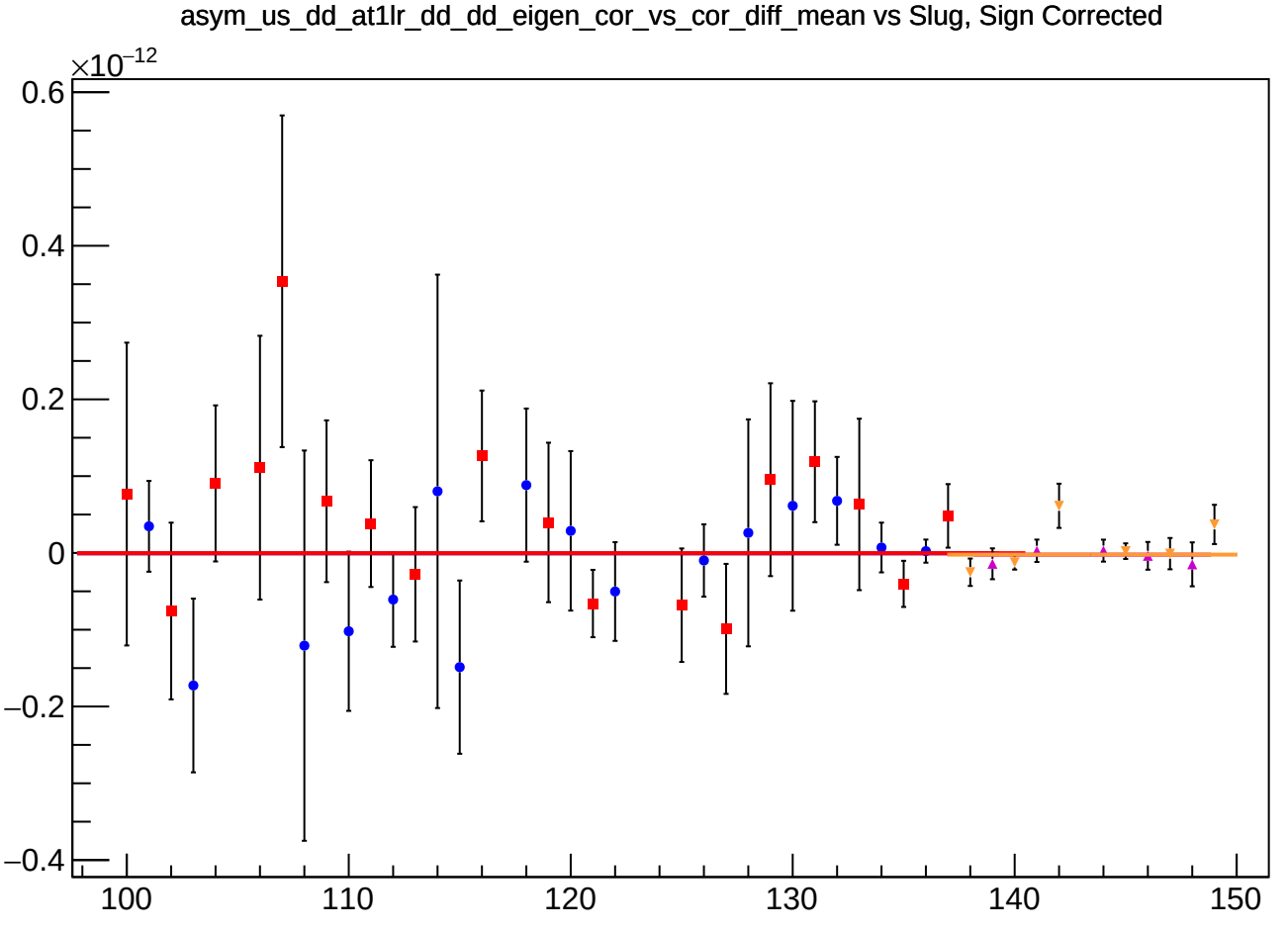
Left: 39.328+/-0.010 χ^2/NDF: 234380.0/10

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.228+/-0.009 χ^2/NDF:1486343.8/20

Out: 38.497+/-0.009 χ^2/NDF:2039267.8/23

All: 38.867+/-0.006 χ^2/NDF: 3528797.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.8/4

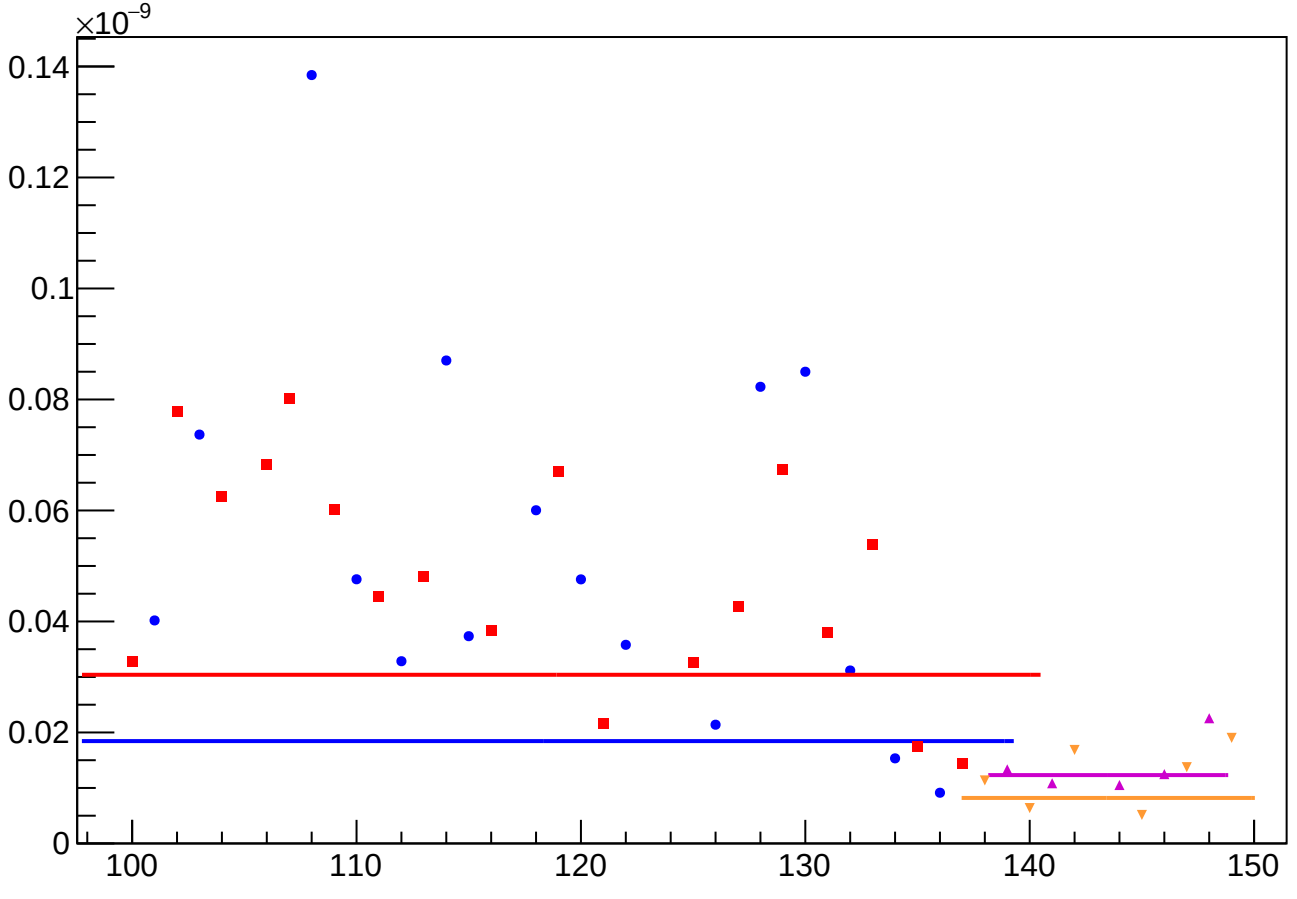
Left: -0.000+/-0.000 χ^2/NDF: 11.0/10

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:28.6/23

All: -0.000+/-0.000 χ^2/NDF: 39.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1005574.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:313461.7/4

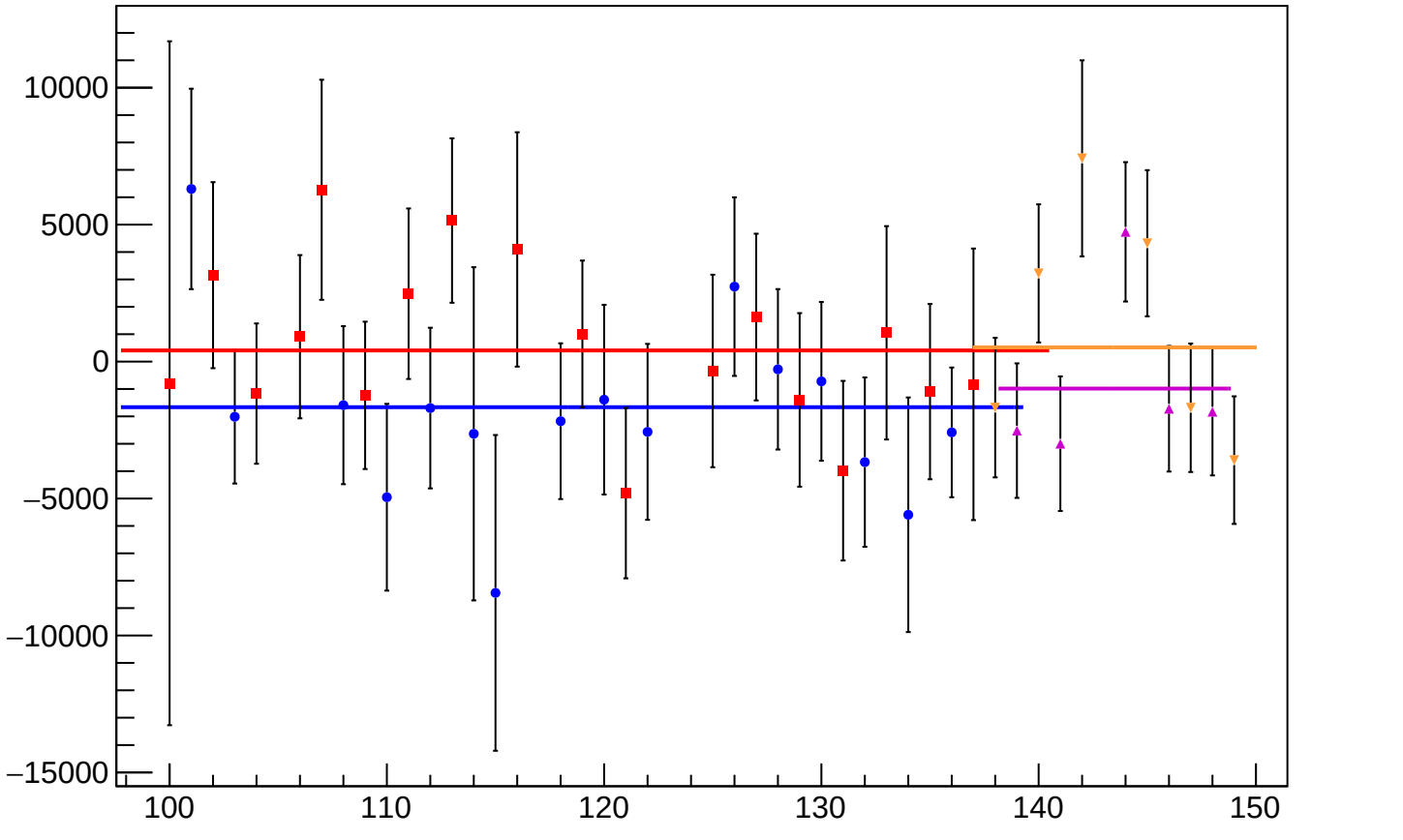
Left: 0.000+/-0.000 χ^2/NDF: 1674152.6/10

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:6619014.5/23

All: 0.000+/-0.000 χ^2/NDF: 11688630.2/44



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 518.807+/-1056.482 χ^2/NDF:11.6/5

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -985.306+/-1077.721 χ^2/NDF:6.4/4

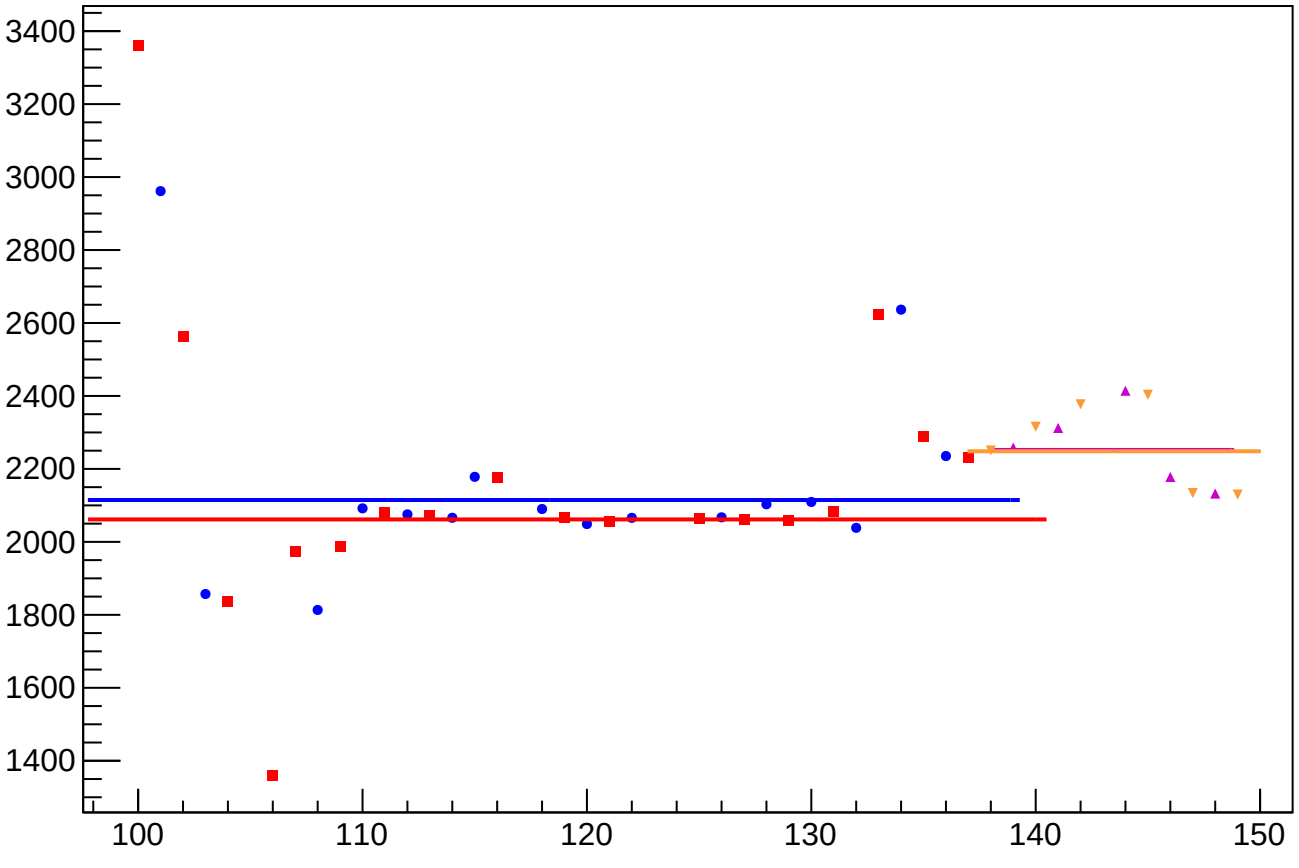
Left: -218.282+/-754.443 χ^2/NDF: 19.0/10

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1426.135+/-638.286 χ^2/NDF:17.4/20

Out: 446.158+/-626.024 χ^2/NDF:24.4/23

All: -471.831+/-446.938 χ^2/NDF: 46.2/44



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2248.368+/-0.747 χ^2/NDF:20712.7/5

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

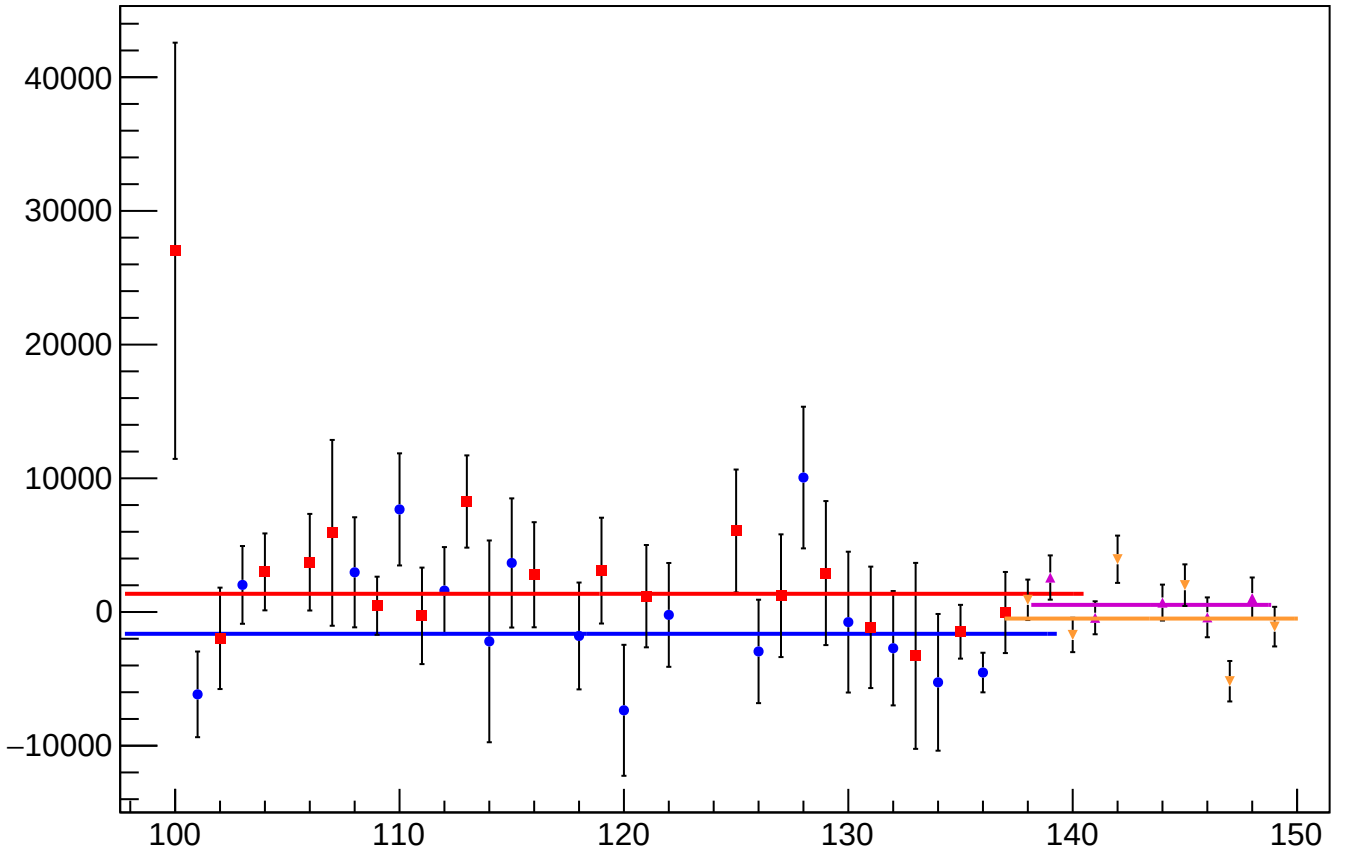
Left: 2250.117+/-0.533 χ^2/NDF: 37446.7/10

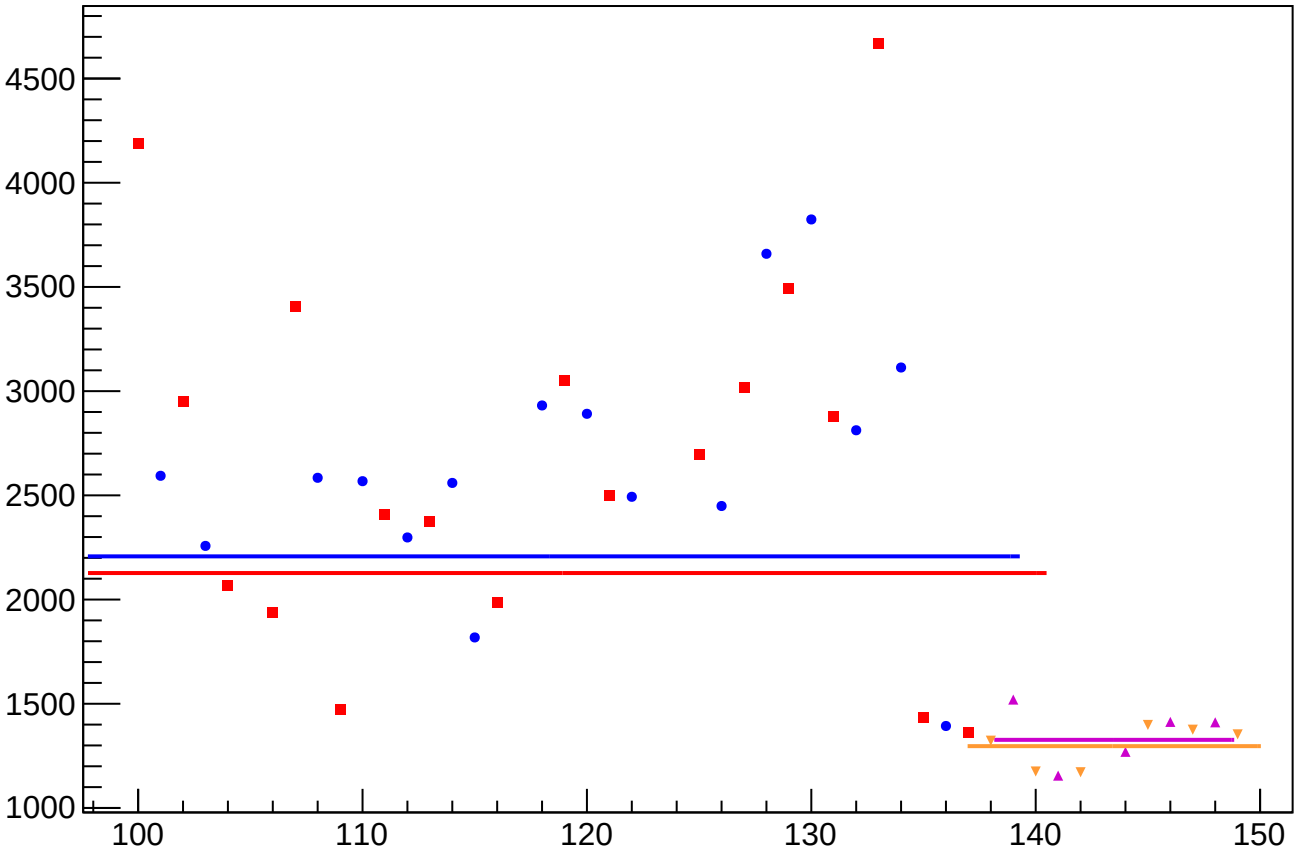
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2162.874+/-0.451 χ^2/NDF:227681.7/20

Out: 2127.152+/-0.443 χ^2/NDF:310474.7/23

All: 2144.666+/-0.316 χ^2/NDF: 541349.2/44


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1630.474+/-862.417 χ²/NDF: 22.9/15
Left Out: -491.018+/-612.317 χ²/NDF:20.4/5
Right Out: 1361.841+/-840.417 χ²/NDF: 13.5/17
Left In: 533.193+/-639.310 χ²/NDF:2.7/4
Left: -0.991+/-442.208 χ²/NDF: 24.4/10
Right: -95.664+/-601.892 χ²/NDF: 42.5/33
In: -234.132+/-513.584 χ²/NDF:29.6/20
Out: 151.485+/-494.893 χ²/NDF:37.0/23
All: -34.179+/-356.367 χ²/NDF: 66.9/44



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1296.607+/-0.433 χ^2/NDF:45427.7/5

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1326.875+/-0.452 χ^2/NDF:82286.1/4

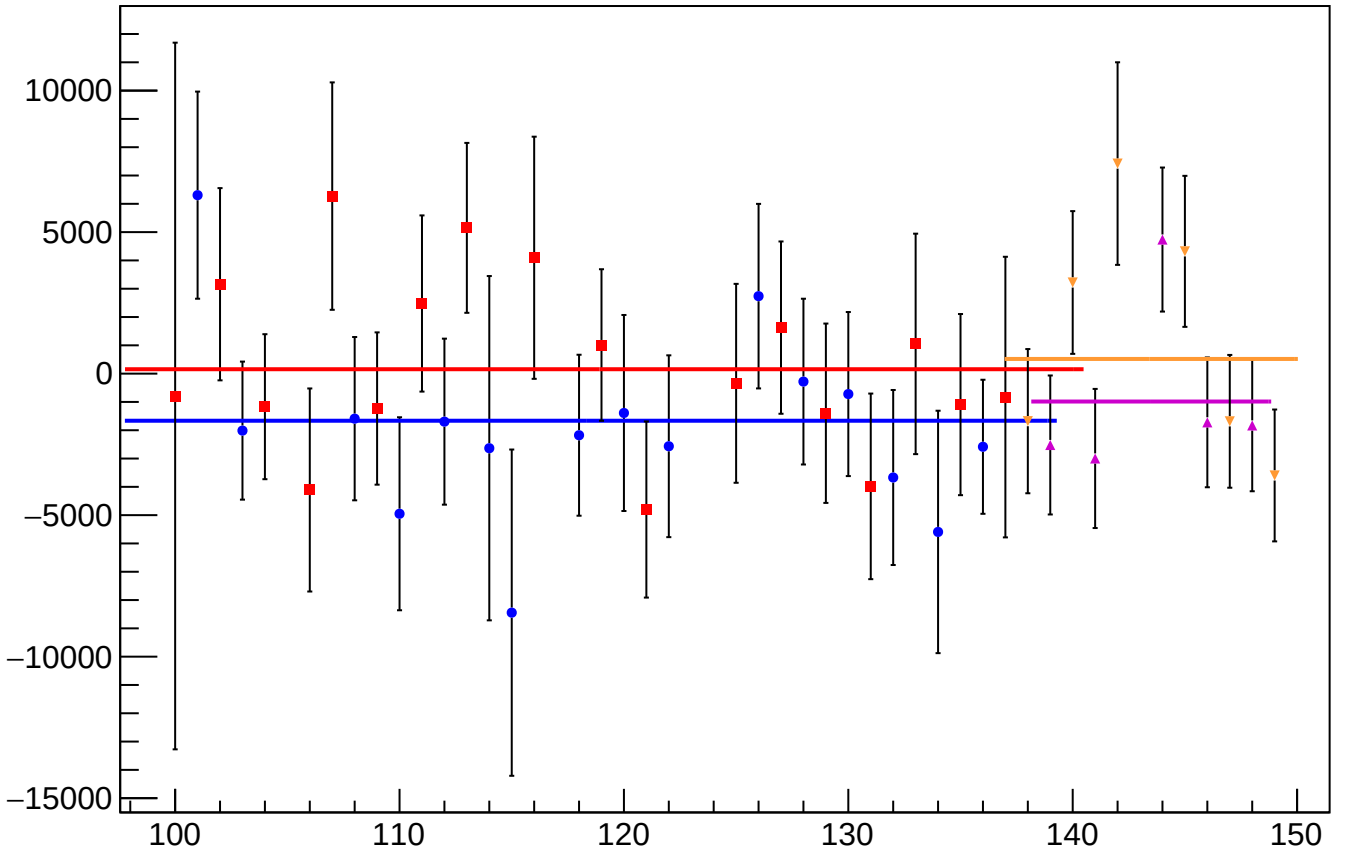
Left: 1311.089+/-0.313 χ^2/NDF: 130051.9/10

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1639.094+/-0.363 χ^2/NDF:2676594.2/20

Out: 1584.635+/-0.350 χ^2/NDF:2779654.7/23

All: 1610.855+/-0.252 χ^2/NDF: 5467909.4/44



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 518.931+/-1056.482 χ^2/NDF:11.6/5

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -985.531+/-1077.721 χ^2/NDF:6.4/4

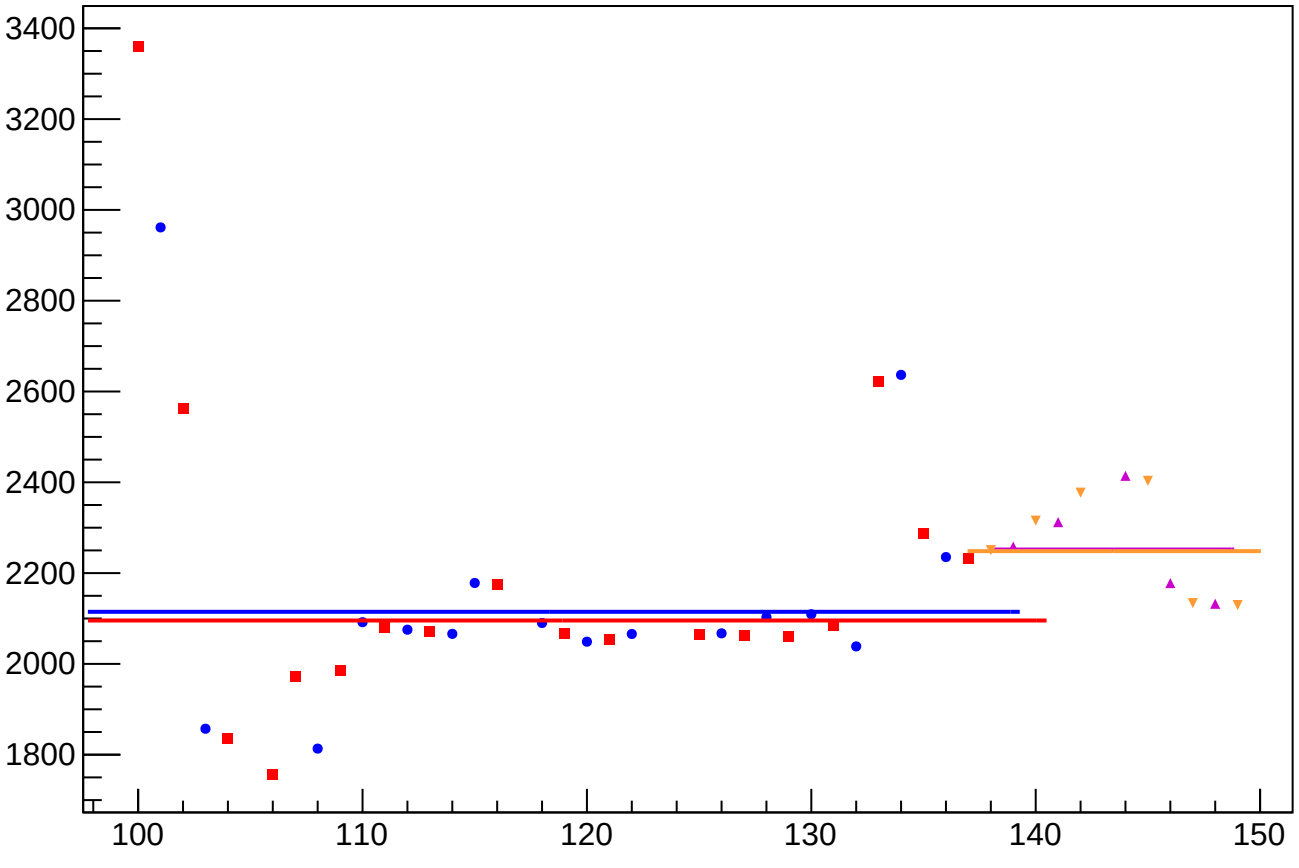
Left: -218.329+/-754.443 χ^2/NDF: 19.0/10

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1426.166+/-638.286 χ^2/NDF:17.4/20

Out: 285.055+/-630.350 χ^2/NDF:25.9/23

All: -559.851+/-448.504 χ^2/NDF: 47.0/44



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2248.368+/-0.747 χ^2/NDF:20712.7/5

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

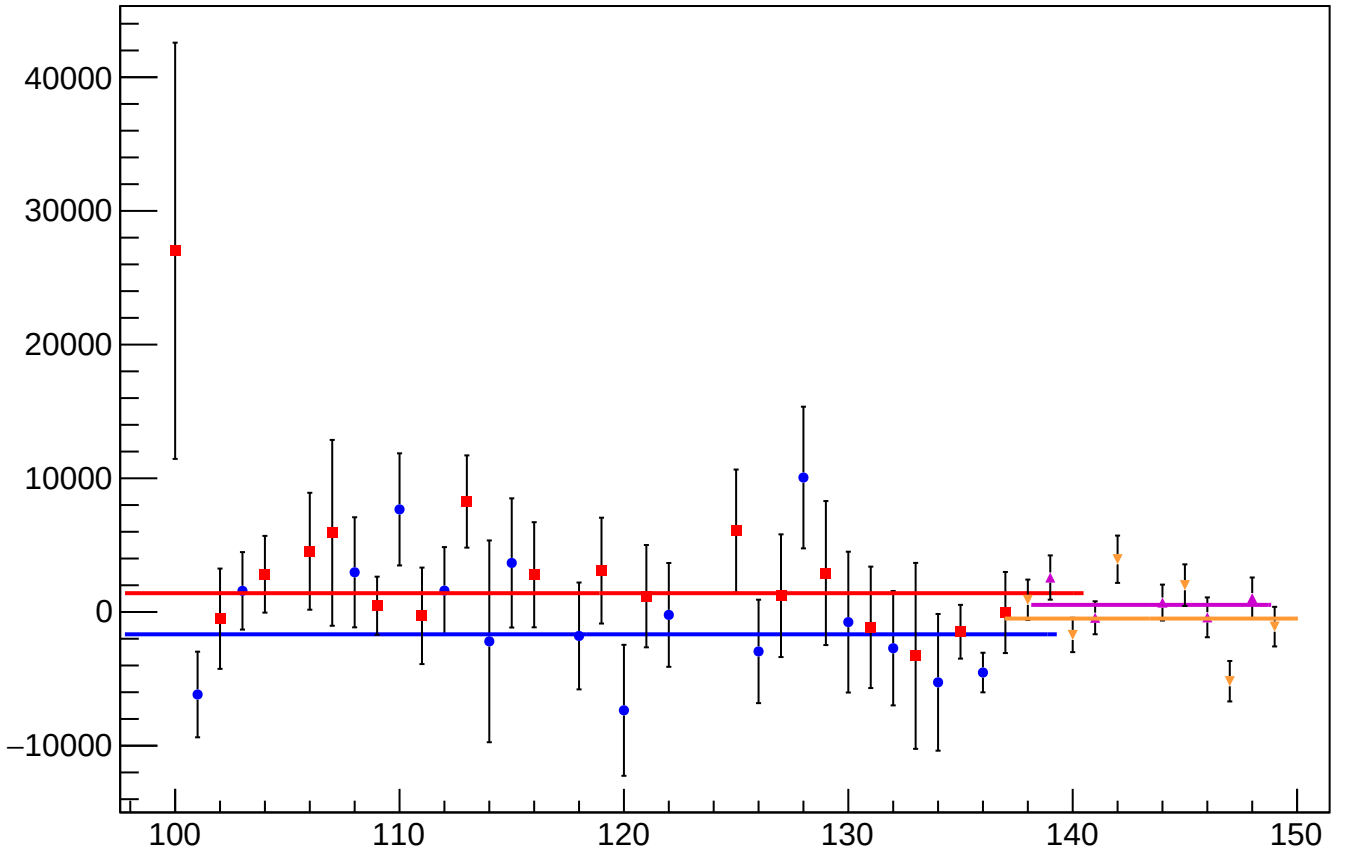
Left: 2250.117+/-0.533 χ^2/NDF: 37446.7/10

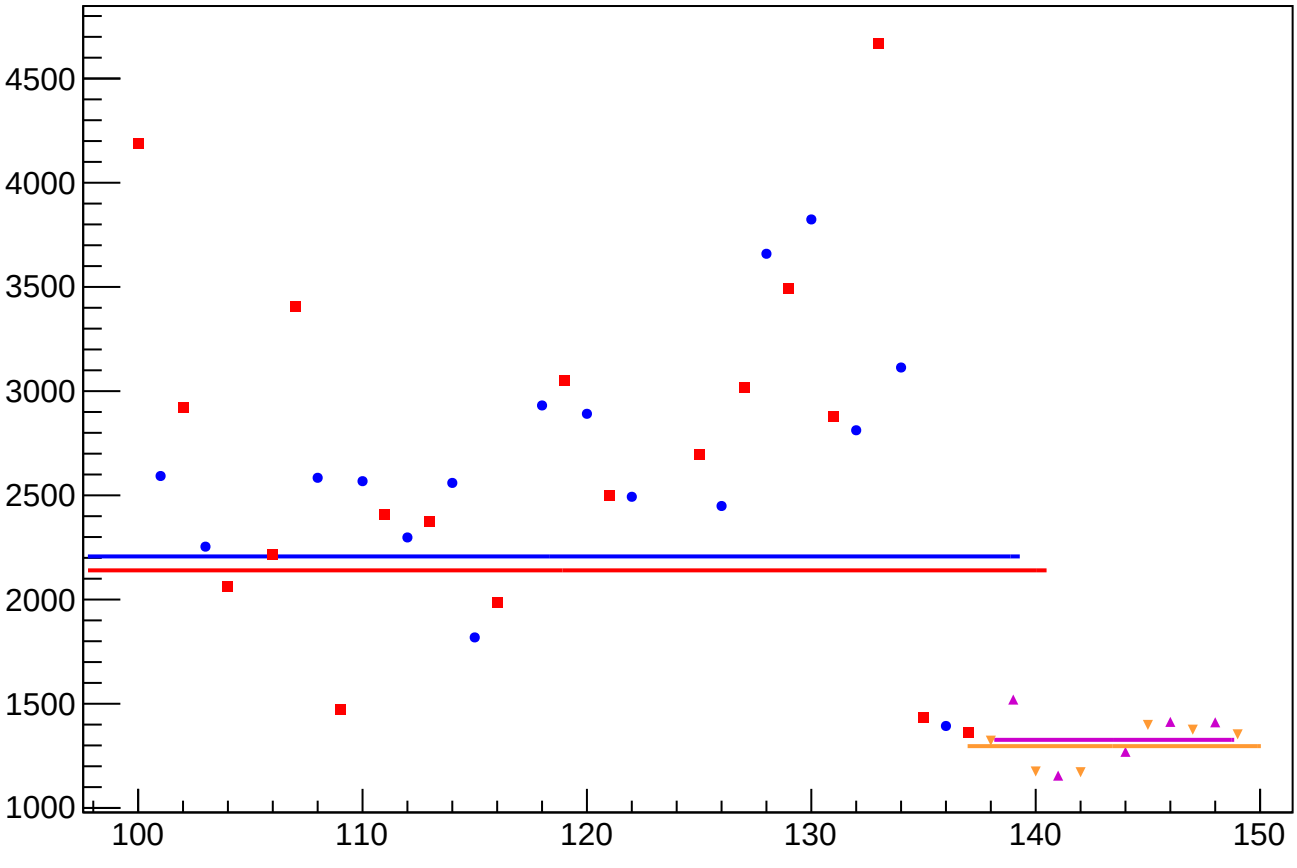
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.874+/-0.451 χ^2/NDF:227682.0/20

Out: 2149.982+/-0.446 χ^2/NDF:197006.1/23

All: 2156.347+/-0.317 χ^2/NDF: 425101.2/44


asym_us_dd_at2lr_dd_avg_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: -491.107+/-612.326 χ²/NDF:20.4/5
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 533.119+/-639.306 χ²/NDF:2.7/4
Left: -1.062+/-442.210 χ²/NDF: 24.4/10
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -247.995+/-513.521 χ²/NDF:29.4/20
Out: 160.672+/-496.246 χ²/NDF:36.7/23
All: -36.672+/-356.850 χ²/NDF: 66.4/44



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1296.628+/-0.433 χ^2/NDF:45409.6/5

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

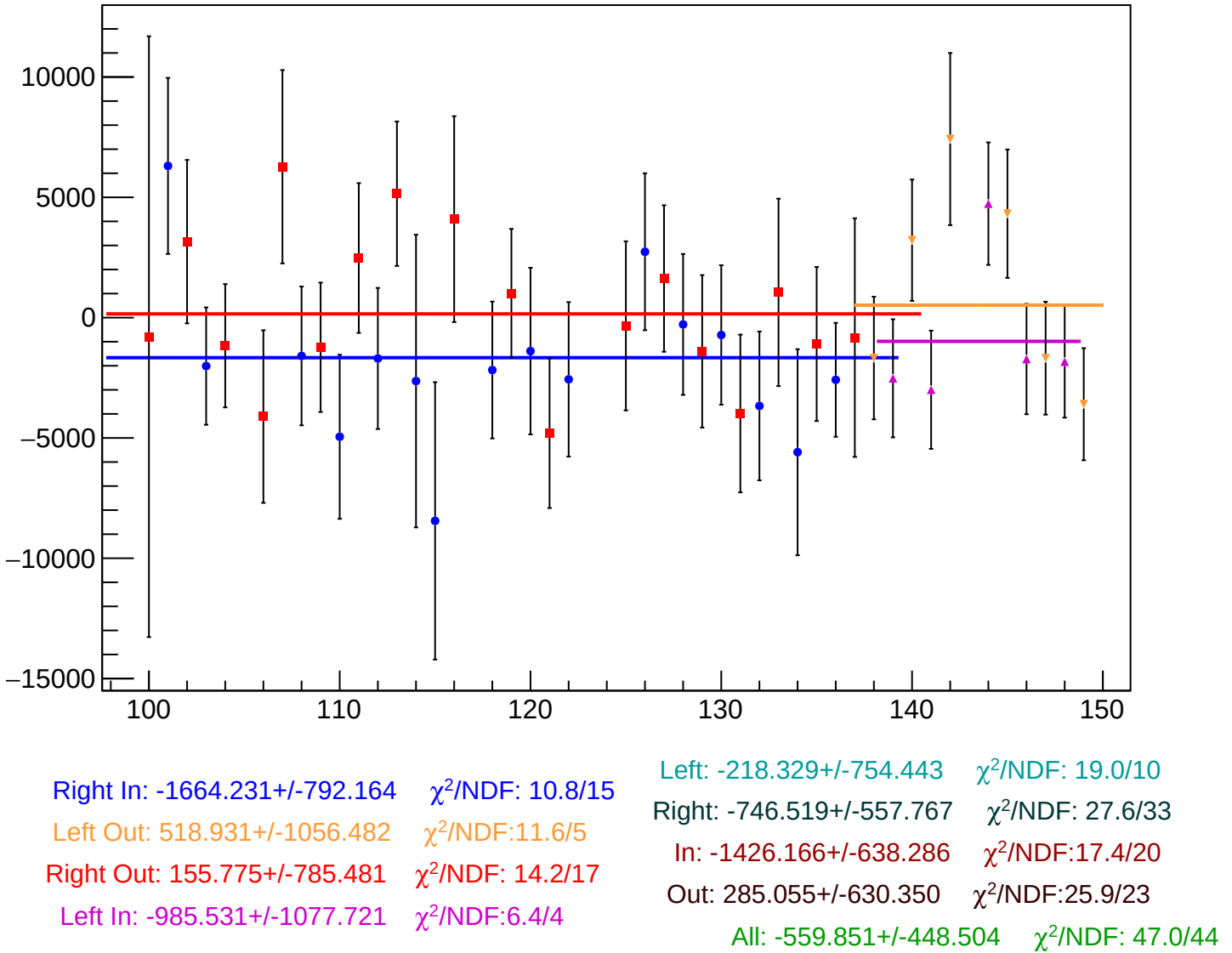
Left: 1311.096+/-0.313 χ^2/NDF: 130051.5/10

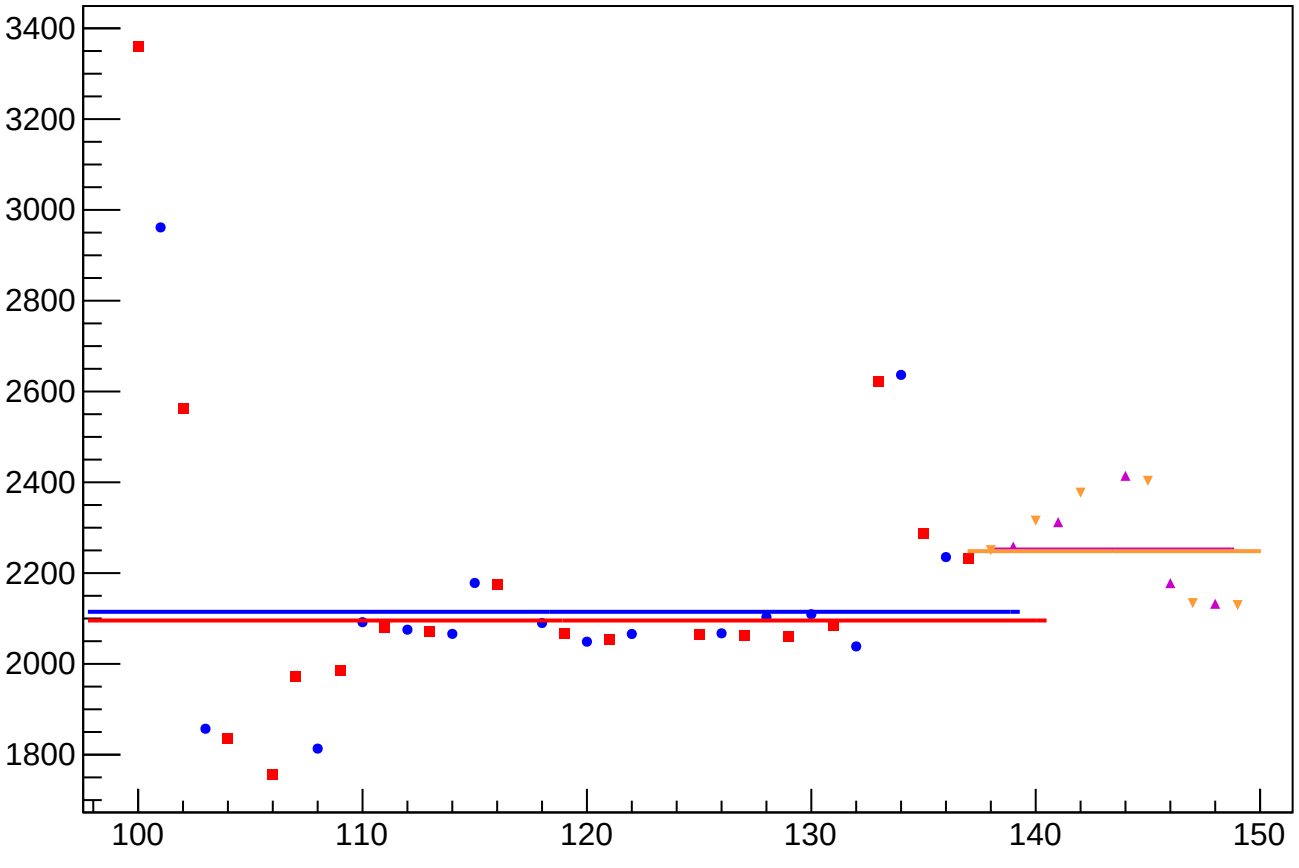
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1639.103+/-0.363 χ^2/NDF:2675965.6/20

Out: 1586.100+/-0.351 χ^2/NDF:2796105.8/23

All: 1611.695+/-0.252 χ^2/NDF: 5483088.9/44


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: 518.931+/-1056.482 χ²/NDF:11.6/5
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -985.531+/-1077.721 χ²/NDF:6.4/4
Left: -218.329+/-754.443 χ²/NDF: 19.0/10
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1426.166+/-638.286 χ²/NDF:17.4/20
Out: 285.055+/-630.350 χ²/NDF:25.9/23
All: -559.851+/-448.504 χ²/NDF: 47.0/44



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2248.368+/-0.747 χ^2/NDF:20712.7/5

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2251.937+/-0.762 χ^2/NDF:16722.8/4

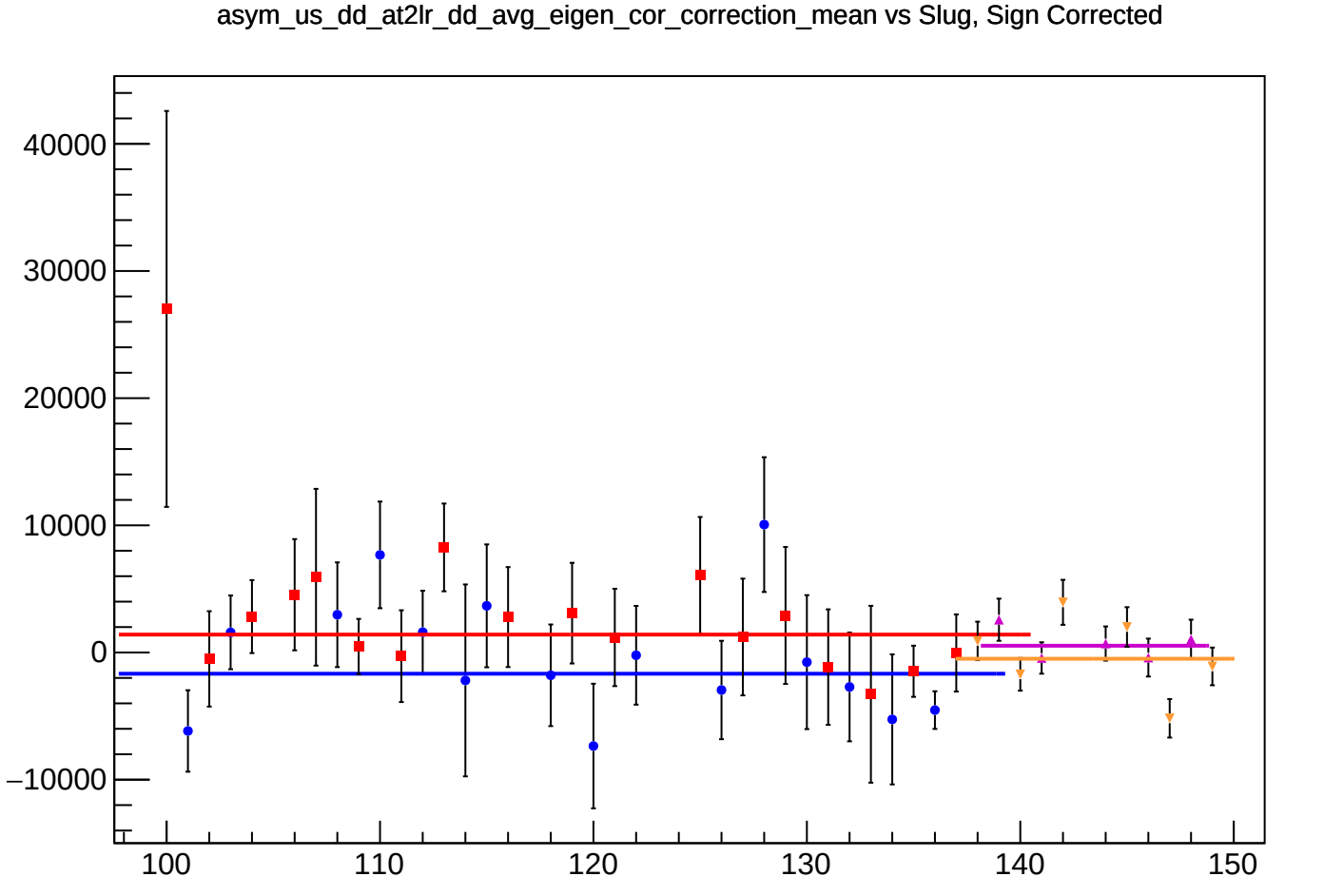
Left: 2250.117+/-0.533 χ^2/NDF: 37446.7/10

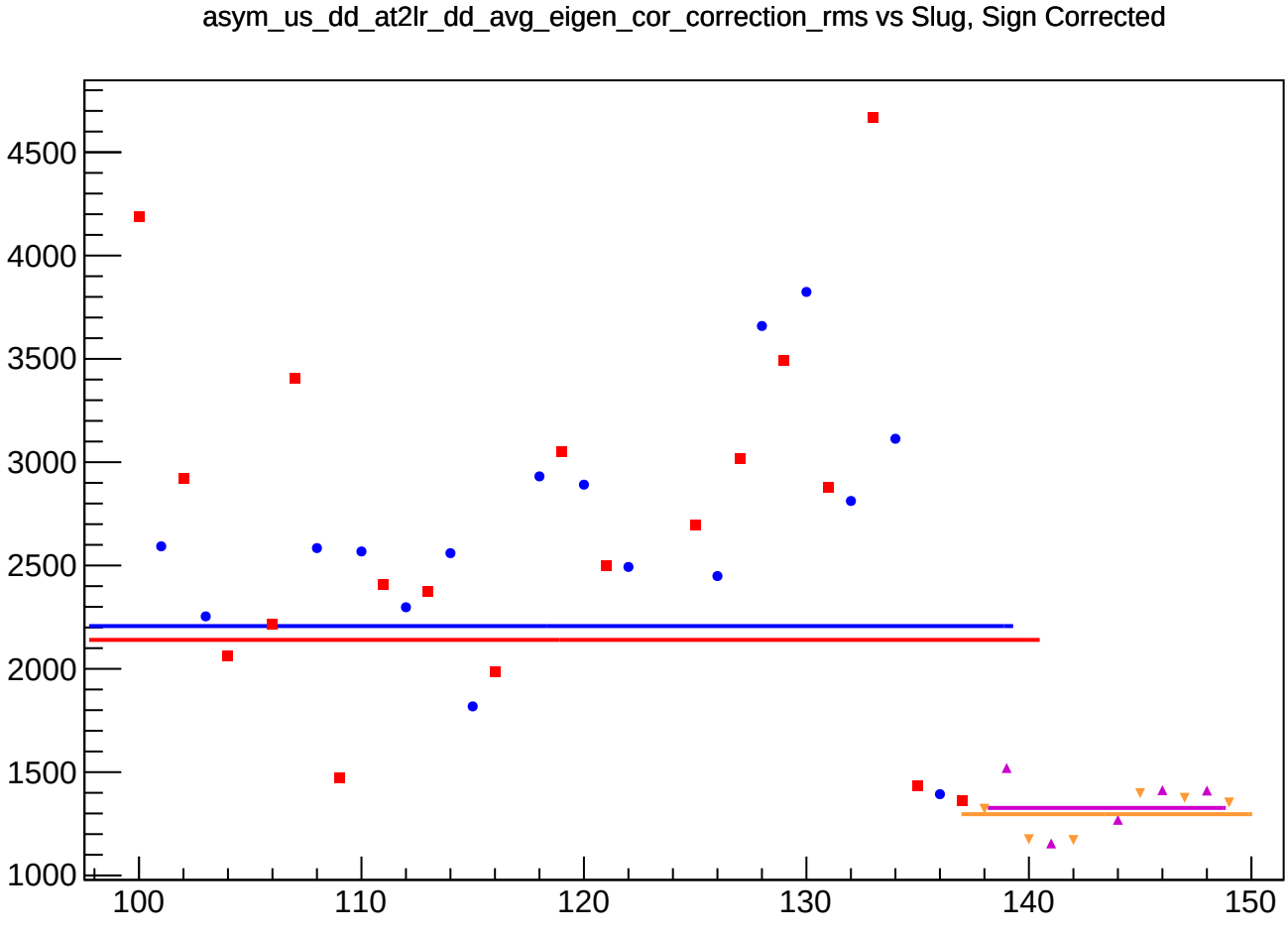
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2162.874+/-0.451 χ^2/NDF:227682.0/20

Out: 2149.982+/-0.446 χ^2/NDF:197006.1/23

All: 2156.347+/-0.317 χ^2/NDF: 425101.2/44


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: -491.107+/-612.326 χ²/NDF:20.4/5
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 533.119+/-639.306 χ²/NDF:2.7/4
Left: -1.062+/-442.210 χ²/NDF: 24.4/10
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -247.995+/-513.521 χ²/NDF:29.4/20
Out: 160.672+/-496.246 χ²/NDF:36.7/23
All: -36.672+/-356.850 χ²/NDF: 66.4/44



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1296.628+/-0.433 χ^2/NDF:45409.6/5

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1326.866+/-0.452 χ^2/NDF:82308.5/4

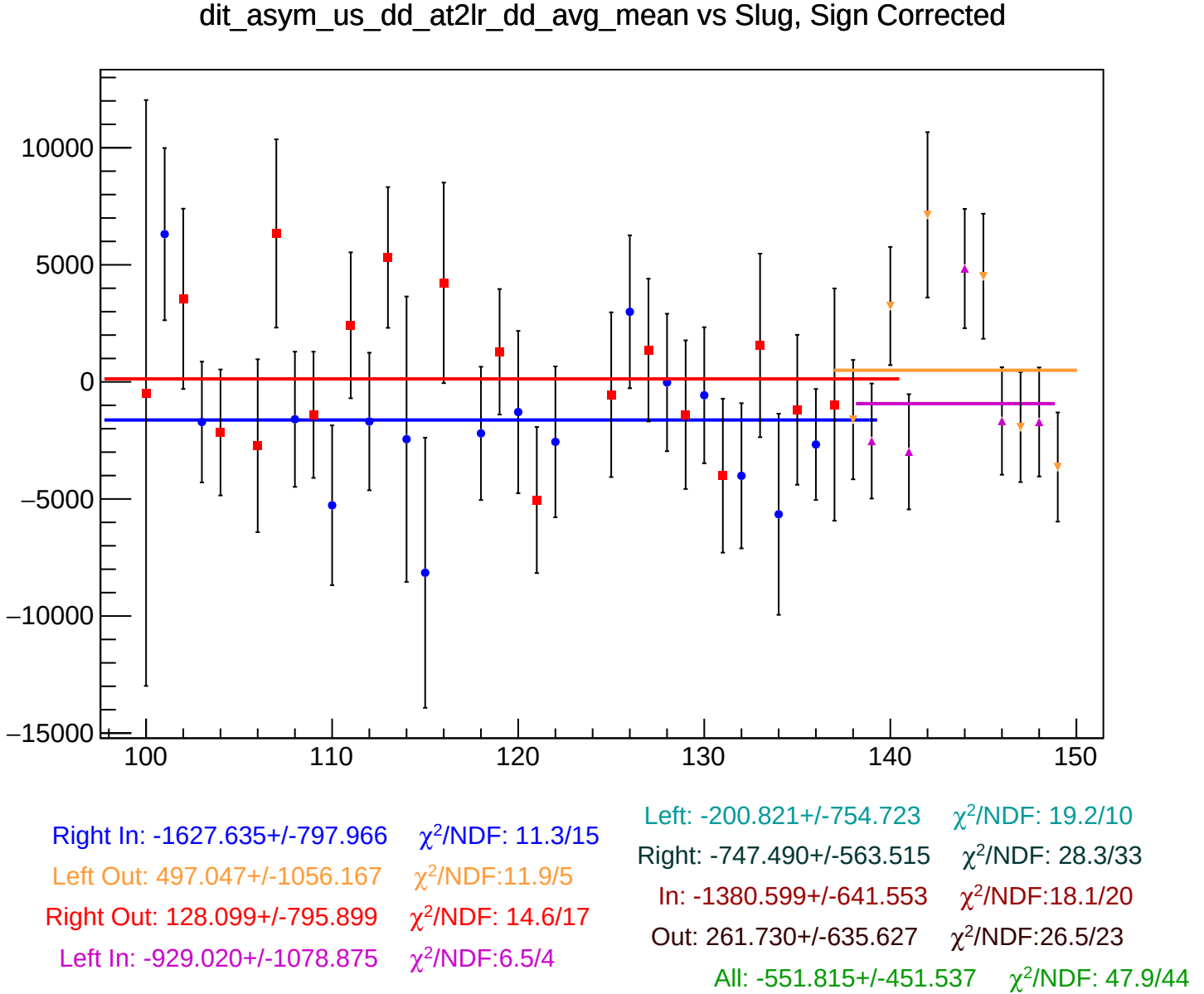
Left: 1311.096+/-0.313 χ^2/NDF: 130051.5/10

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1639.103+/-0.363 χ^2/NDF:2675965.6/20

Out: 1586.100+/-0.351 χ^2/NDF:2796105.8/23

All: 1611.695+/-0.252 χ^2/NDF: 5483088.9/44


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
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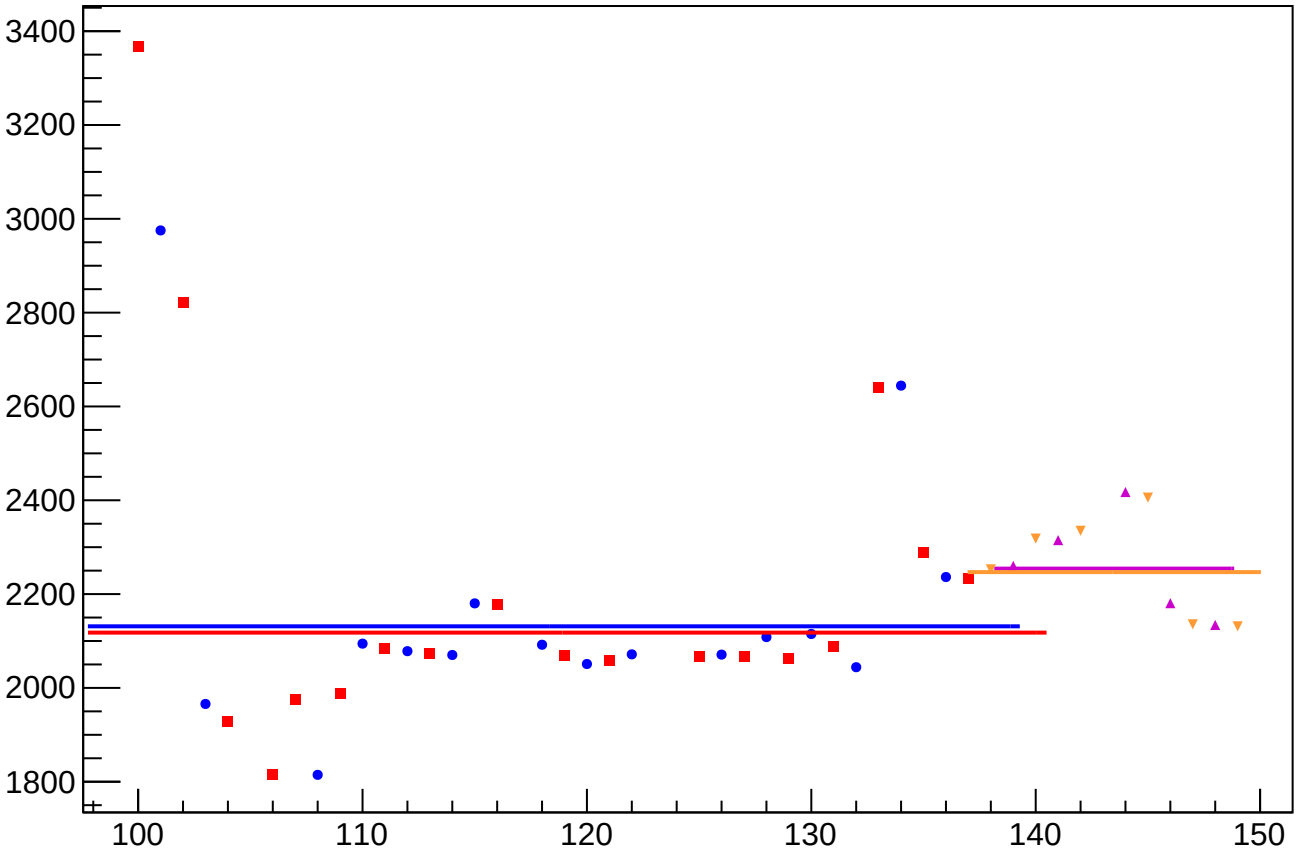
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: 497.047+/-1056.167 χ²/NDF:11.9/5
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -929.020+/-1078.875 χ²/NDF:6.5/4
Left: -200.821+/-754.723 χ²/NDF: 19.2/10
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1380.599+/-641.553 χ²/NDF:18.1/20
Out: 261.730+/-635.627 χ²/NDF:26.5/23
All: -551.815+/-451.537 χ²/NDF: 47.9/44



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2246.869+/-0.747 χ^2/NDF:19349.4/5

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: 2250.516+/-0.534 χ^2/NDF: 36232.5/10

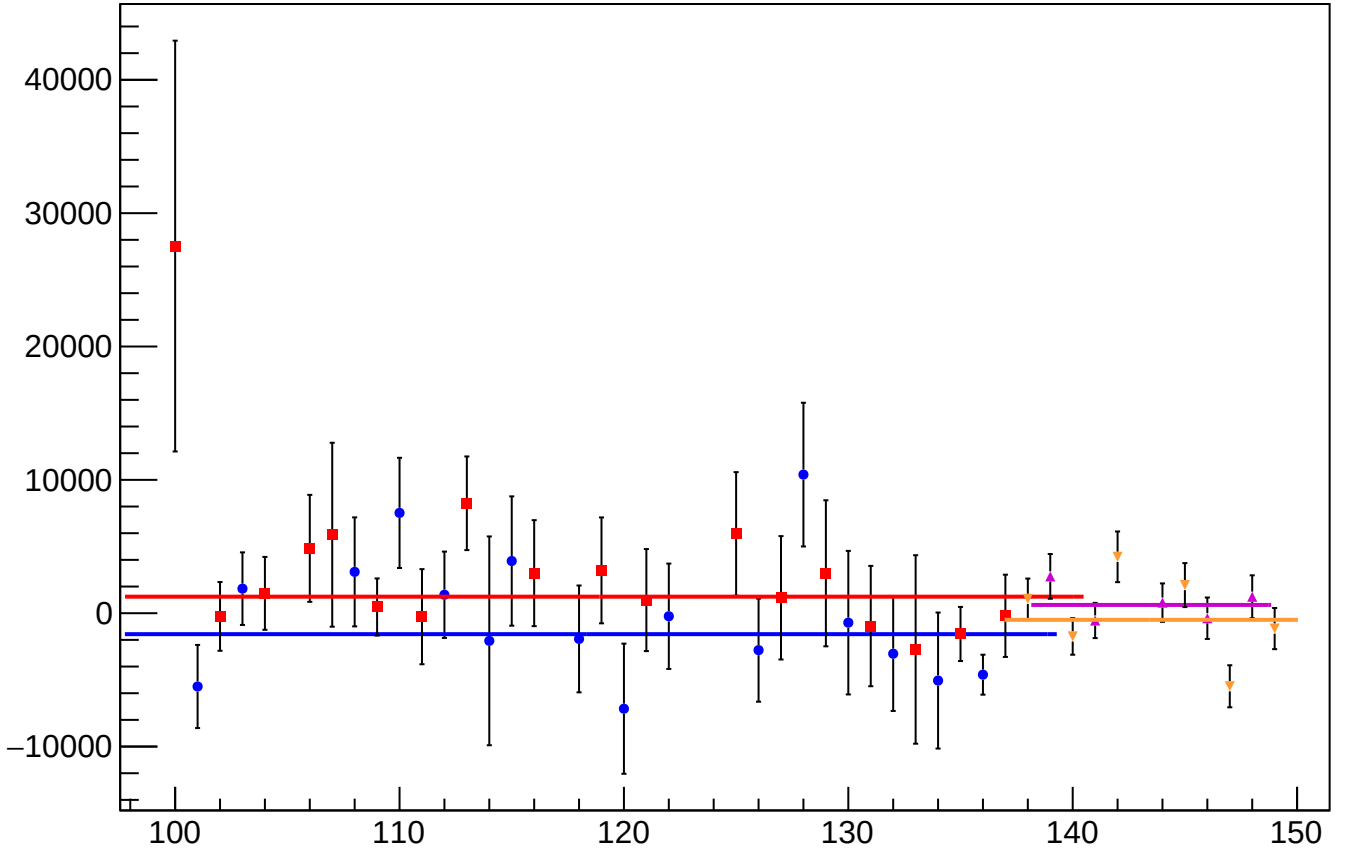
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2174.800+/-0.454 χ^2/NDF:209587.2/20

Out: 2164.591+/-0.449 χ^2/NDF:202002.5/23

All: 2169.648+/-0.319 χ^2/NDF: 411845.3/44

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: -495.435+/-641.696 χ^2/NDF:20.7/5

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 620.795+/-671.993 χ^2/NDF:3.0/4

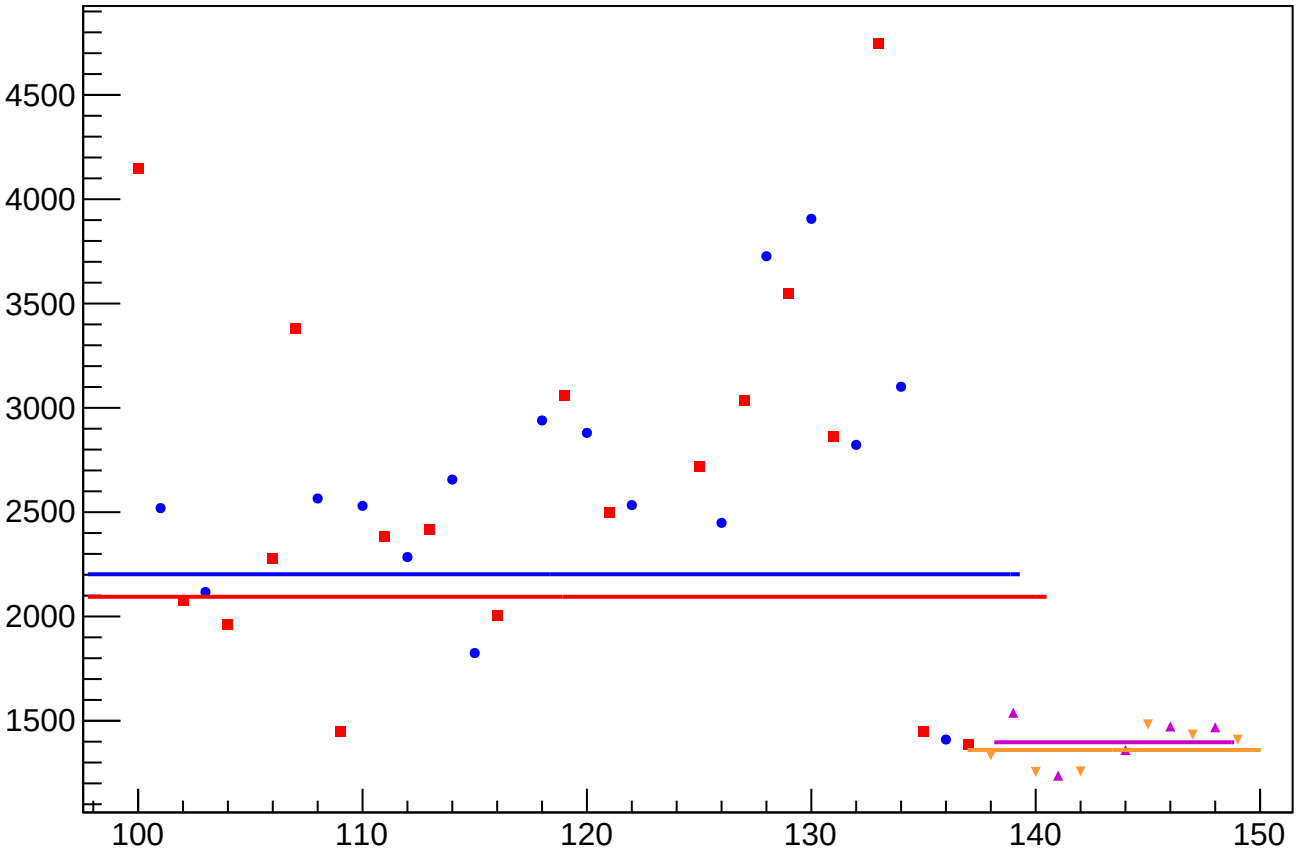
Left: 36.950+/-464.089 χ^2/NDF: 25.2/10

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -210.439+/-529.454 χ^2/NDF:29.6/20

Out: 164.298+/-505.299 χ^2/NDF:36.6/23

All: -14.328+/-365.542 χ^2/NDF: 66.5/44



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1360.024+/-0.454 χ^2/NDF:35580.7/5

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1397.140+/-0.475 χ^2/NDF:53608.5/4

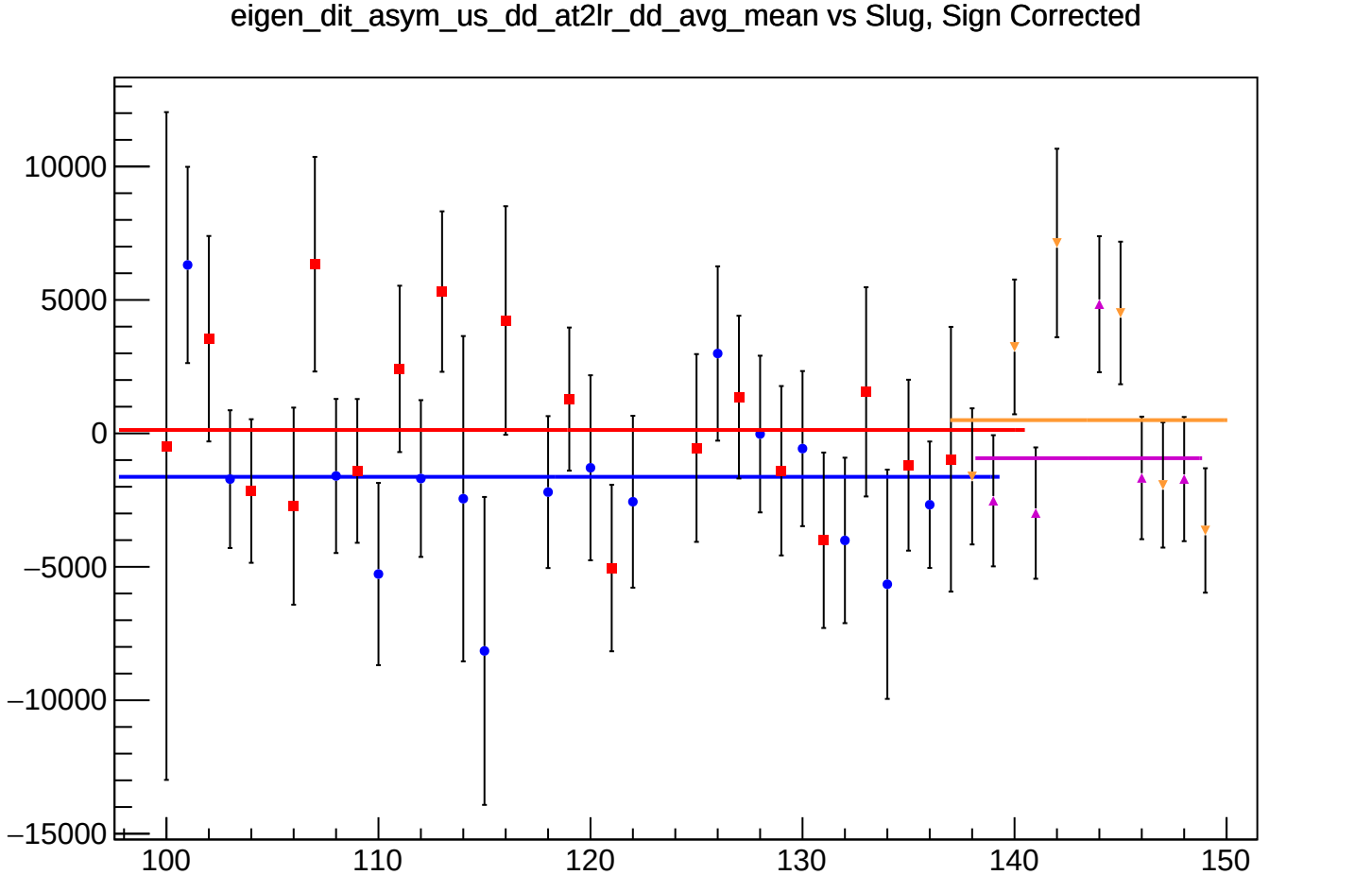
Left: 1377.727+/-0.328 χ^2/NDF: 92380.5/10

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1702.515+/-0.374 χ^2/NDF:2365647.8/20

Out: 1639.055+/-0.357 χ^2/NDF:2404591.3/23

All: 1669.305+/-0.258 χ^2/NDF: 4785275.6/44


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
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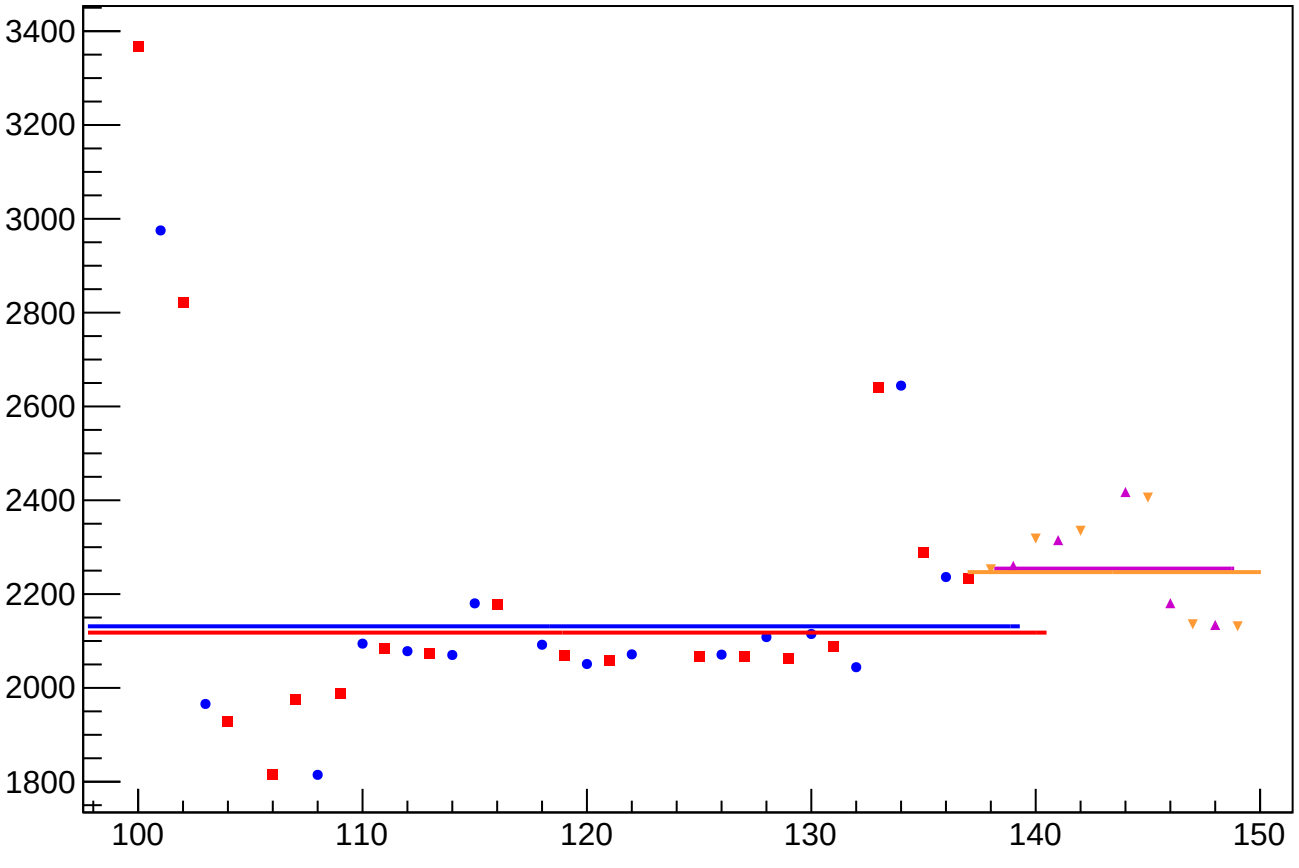
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 497.050+/-1056.167 χ²/NDF:11.9/5
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -929.011+/-1078.875 χ²/NDF:6.5/4
Left: -200.814+/-754.723 χ²/NDF: 19.2/10
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1380.597+/-641.553 χ²/NDF:18.1/20
Out: 261.727+/-635.627 χ²/NDF:26.5/23
All: -551.815+/-451.537 χ²/NDF: 47.9/44



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2246.870+/-0.747 χ^2/NDF:19349.4/5

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: 2250.516+/-0.534 χ^2/NDF: 36232.6/10

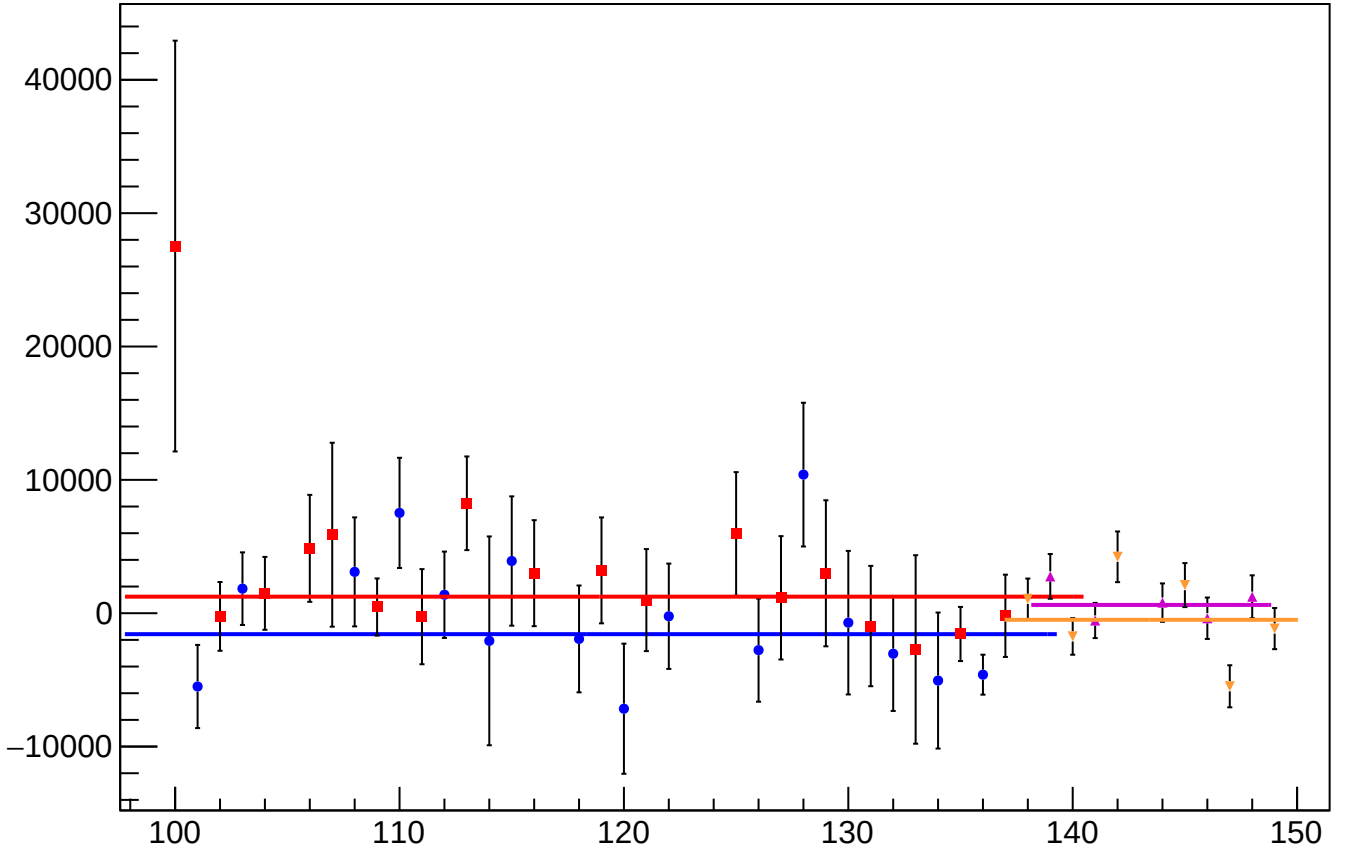
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2174.800+/-0.454 χ^2/NDF:209587.2/20

Out: 2164.591+/-0.449 χ^2/NDF:202002.5/23

All: 2169.648+/-0.319 χ^2/NDF: 411845.3/44

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: -495.444+/-641.699 χ^2/NDF:20.7/5

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: 36.945+/-464.090 χ^2/NDF: 25.2/10

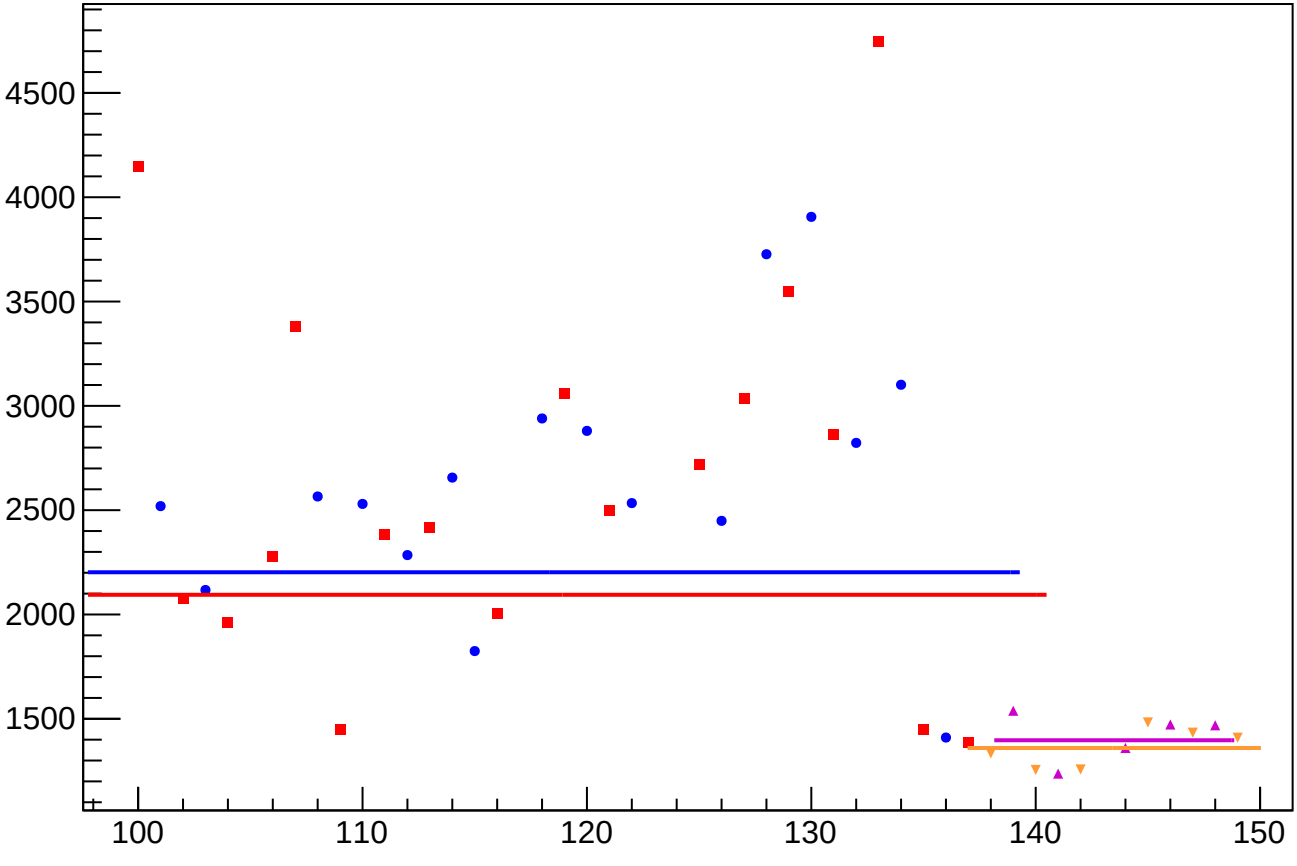
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -210.434+/-529.455 χ^2/NDF:29.6/20

Out: 164.298+/-505.301 χ^2/NDF:36.6/23

All: -14.325+/-365.543 χ^2/NDF: 66.5/44

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: 1360.030+/-0.454 χ^2/NDF:35577.5/5

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1397.142+/-0.475 χ^2/NDF:53610.0/4

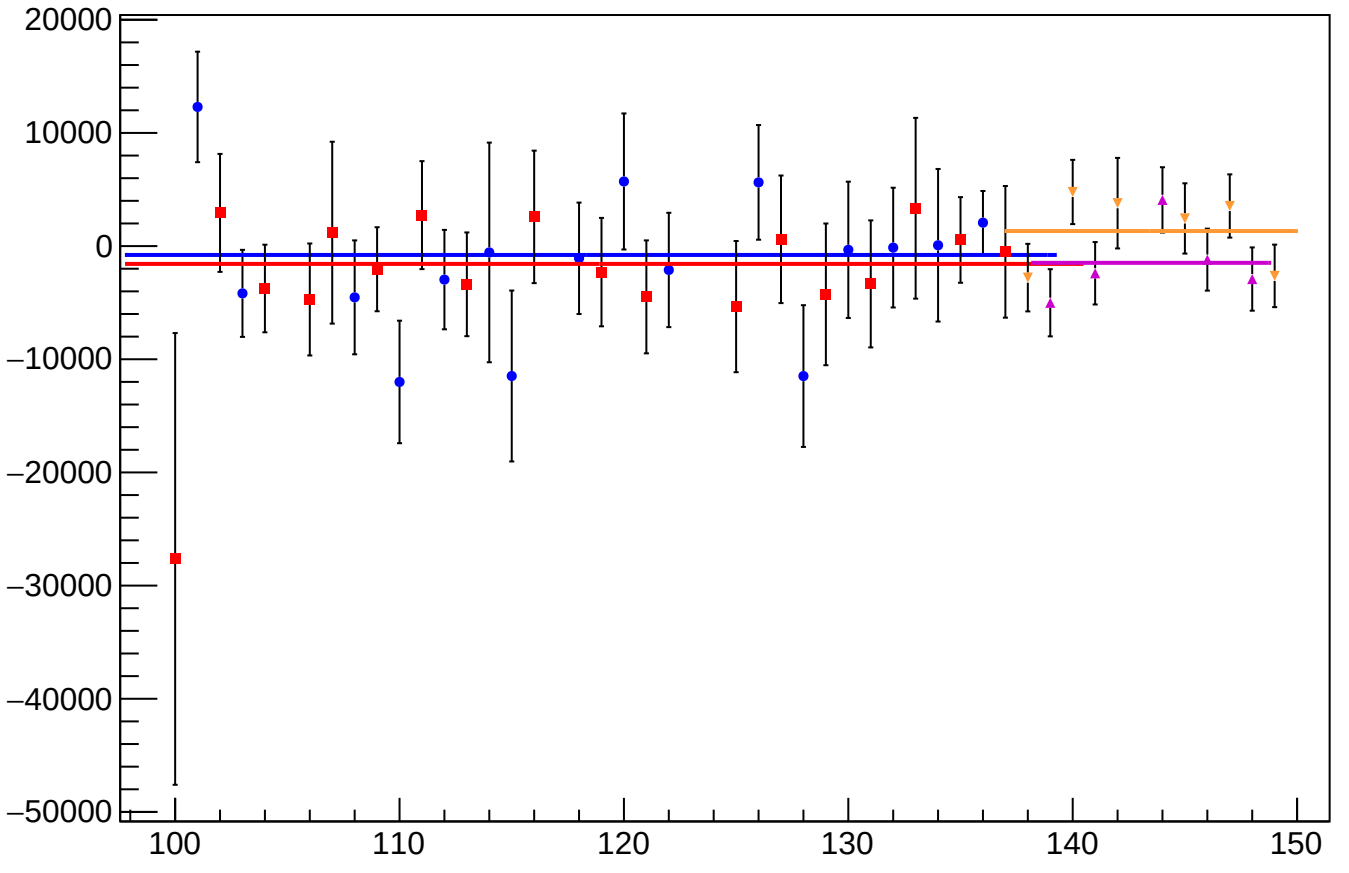
Left: 1377.731+/-0.328 χ^2/NDF: 92377.9/10

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1702.520+/-0.374 χ^2/NDF:2365614.4/20

Out: 1639.064+/-0.357 χ^2/NDF:2404549.5/23

All: 1669.311+/-0.258 χ^2/NDF: 4785198.4/44



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1330.360+/-1229.326 χ^2/NDF:6.6/5

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1479.016+/-1263.464 χ^2/NDF:5.5/4

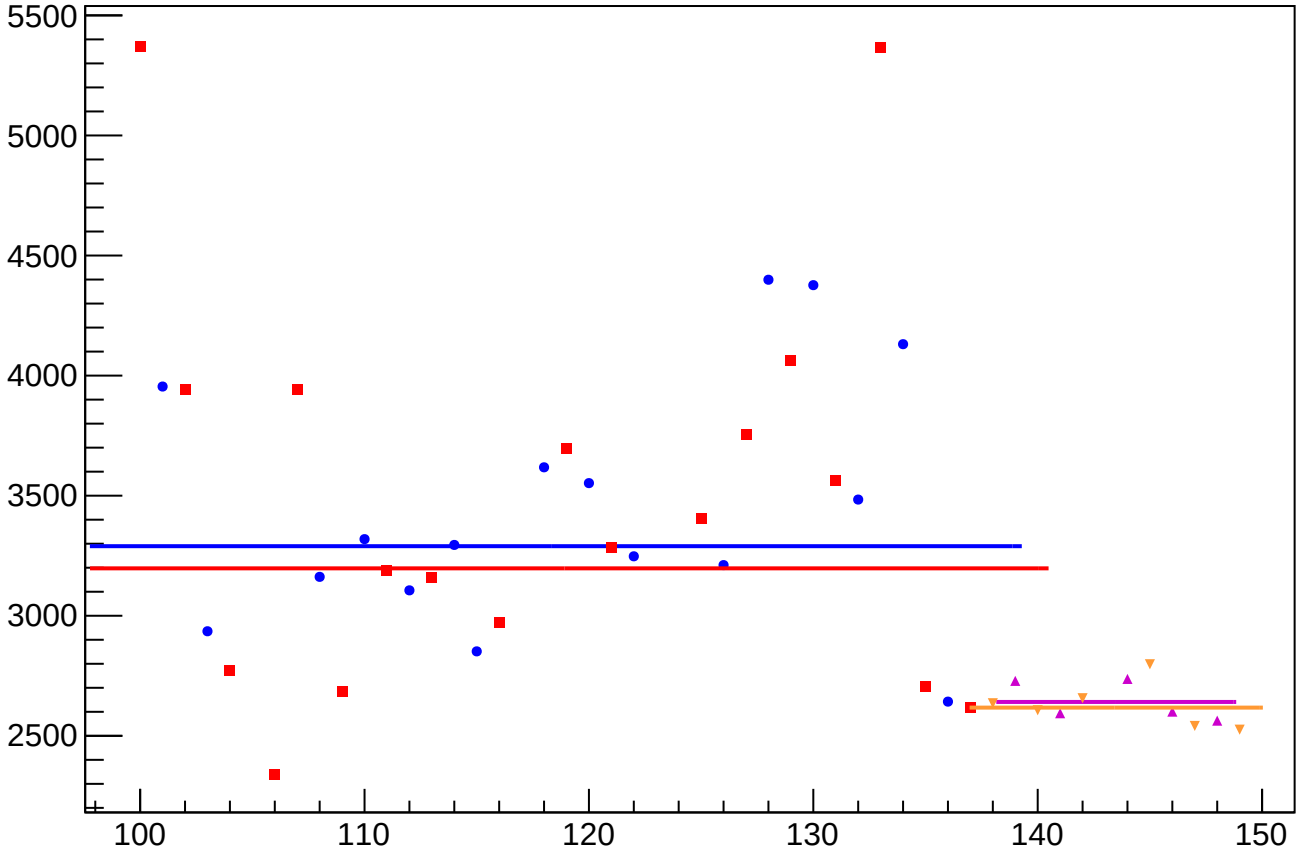
Left: -35.862+/-881.087 χ^2/NDF: 14.6/10

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1124.262+/-885.613 χ^2/NDF:27.6/20

Out: -134.456+/-865.577 χ^2/NDF:16.1/23

All: -618.036+/-619.018 χ^2/NDF: 44.3/44



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2617.501+/-0.869 χ^2/NDF:10759.9/5

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2641.056+/-0.893 χ^2/NDF:6525.2/4

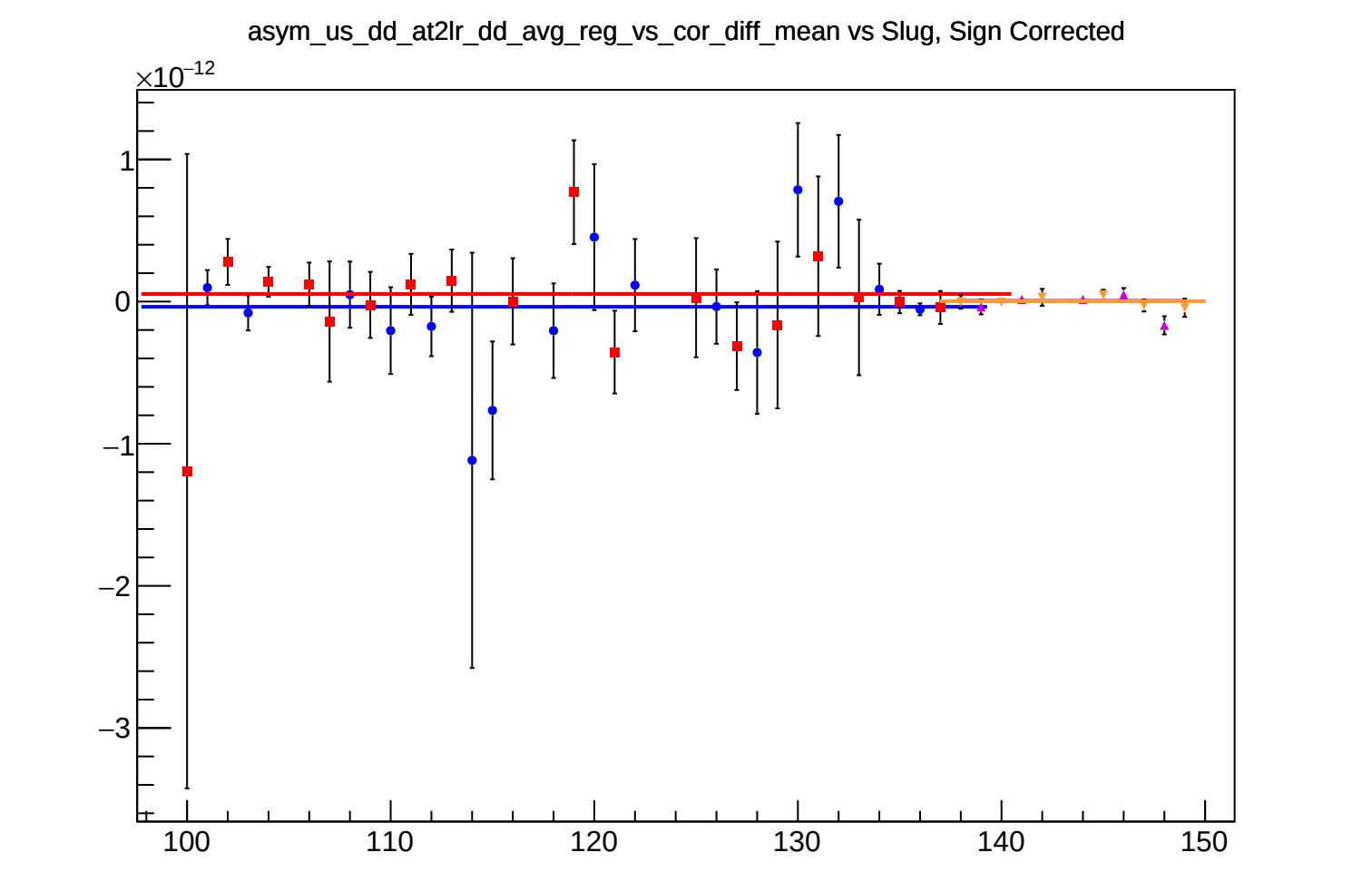
Left: 2628.956+/-0.623 χ^2/NDF: 17642.1/10

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2971.005+/-0.626 χ^2/NDF:622251.9/20

Out: 2909.898+/-0.612 χ^2/NDF:735082.6/23

All: 2939.752+/-0.438 χ^2/NDF: 1362204.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.1/4

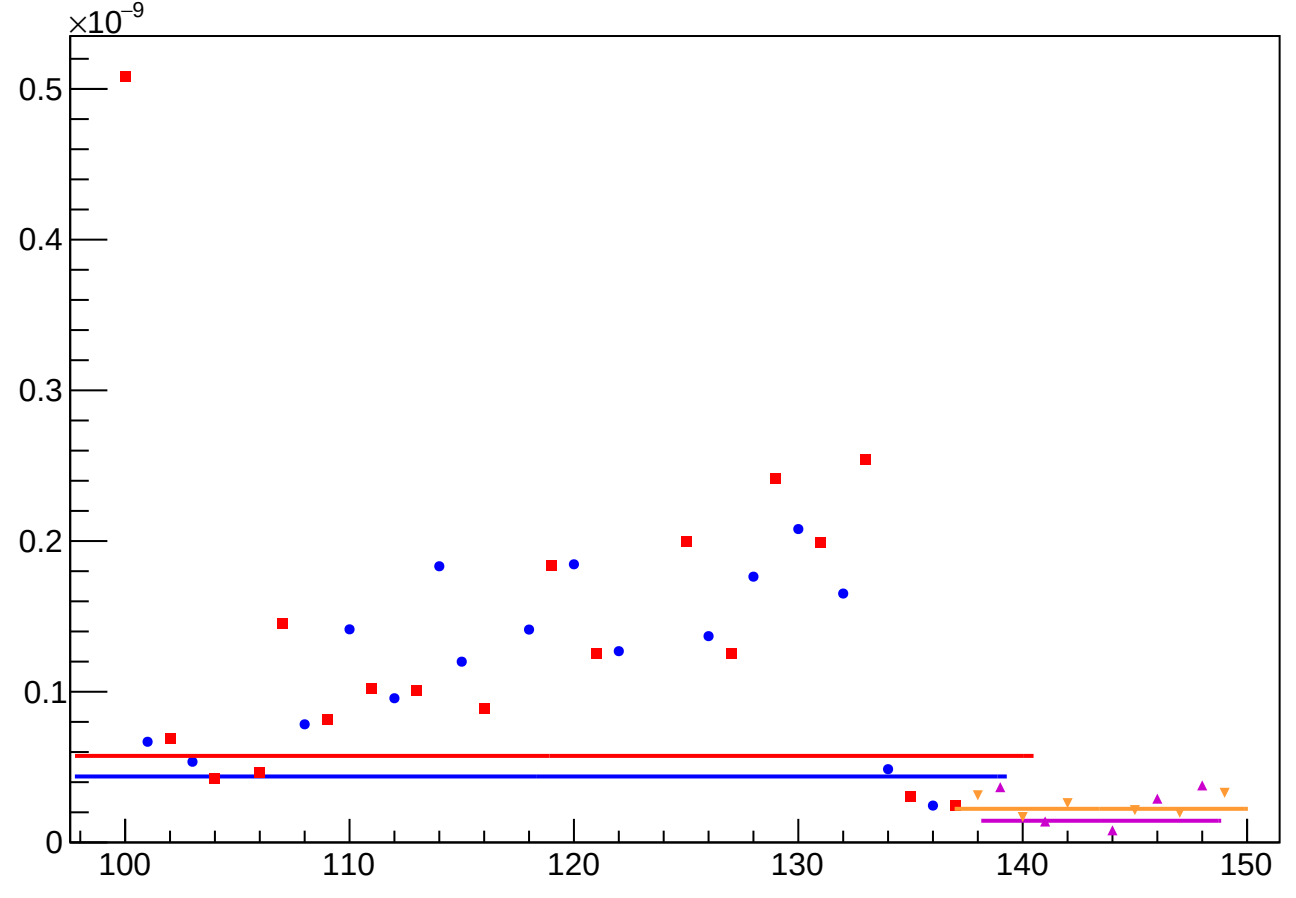
Left: 0.000+/-0.000 χ^2/NDF: 11.9/10

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:16.5/23

All: 0.000+/-0.000 χ^2/NDF: 40.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:205969.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1062020.5/4

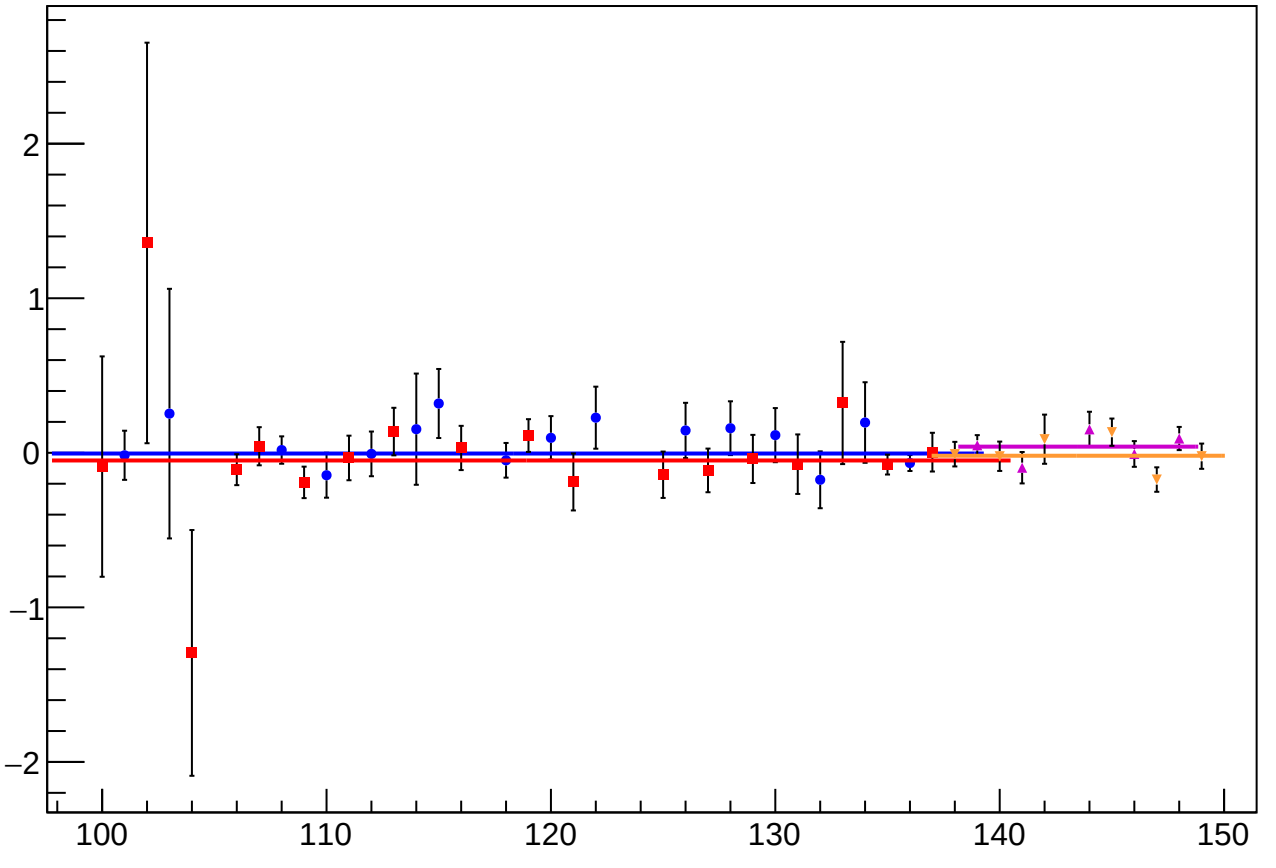
Left: 0.000+/-0.000 χ^2/NDF: 1524686.9/10

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:3422773.4/23

All: 0.000+/-0.000 χ^2/NDF: 8336717.0/44



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.019+/-0.037 χ^2/NDF:7.2/5

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: 0.010+/-0.026 χ^2/NDF: 12.1/10

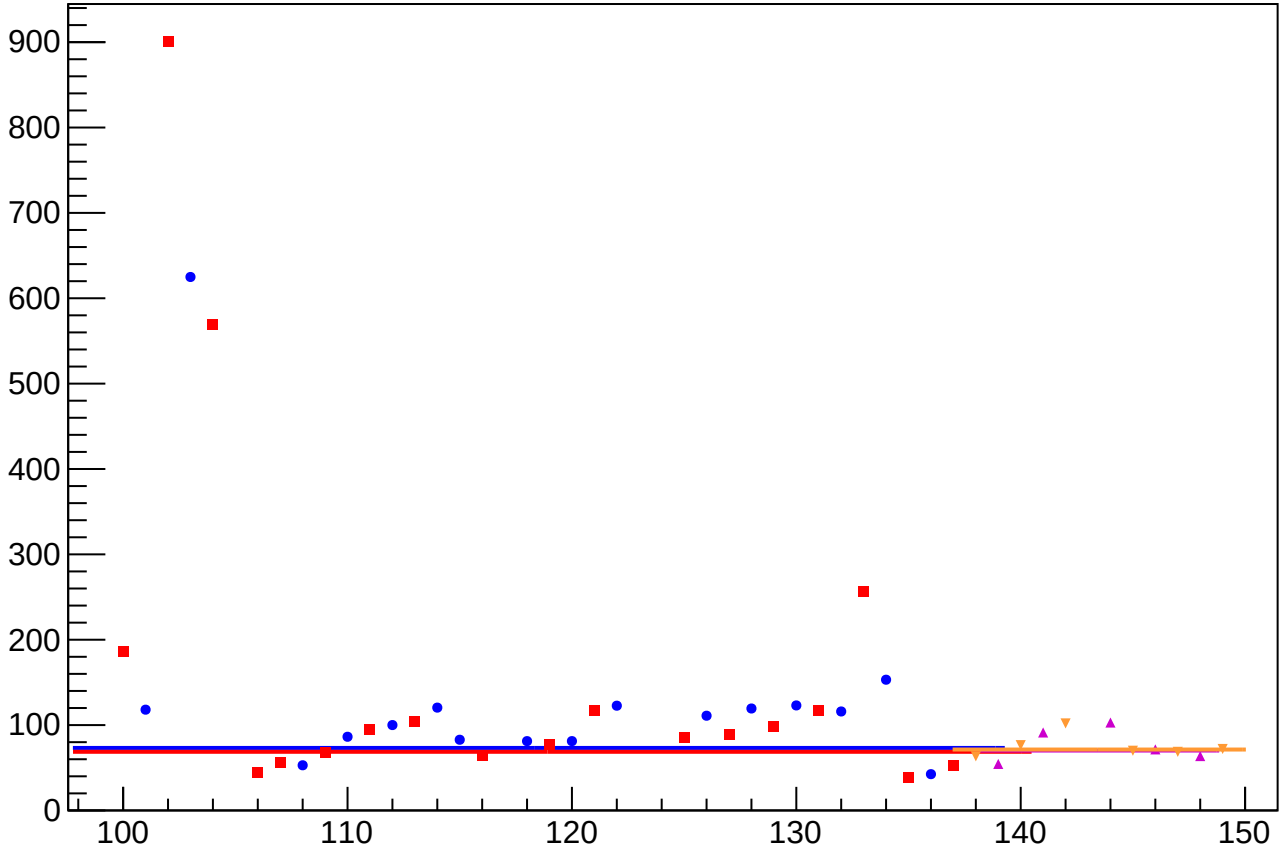
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.036+/-0.024 χ^2/NDF:20.7/23

All: -0.011+/-0.017 χ^2/NDF: 37.7/44

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: 71.361+/-0.026 χ^2/NDF:102947.6/5

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: 70.782+/-0.018 χ^2/NDF: 486352.2/10

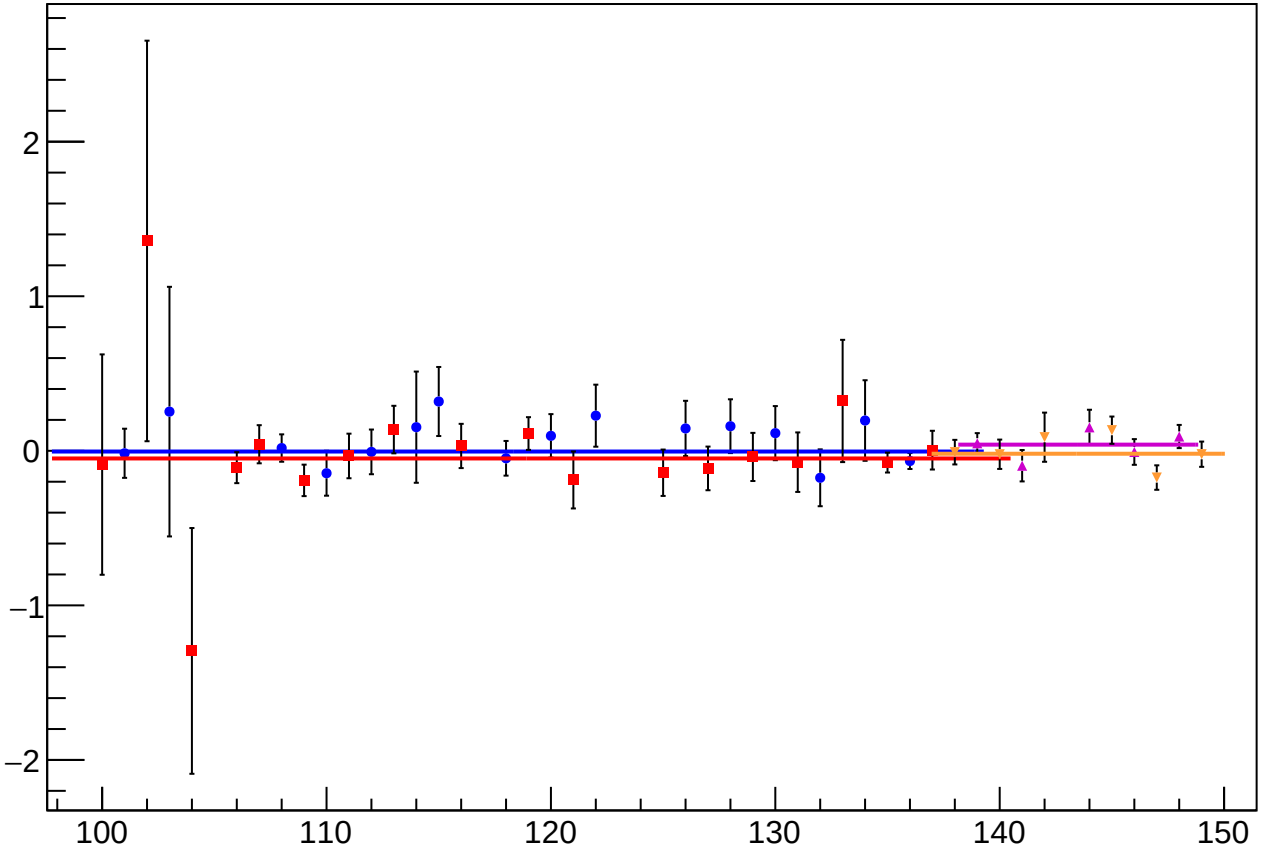
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.922+/-0.017 χ^2/NDF:3244689.0/20

Out: 69.853+/-0.017 χ^2/NDF:3440632.2/23

All: 70.872+/-0.012 χ^2/NDF: 6692675.8/44

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: -0.019+/-0.037 χ^2/NDF:7.2/5

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: 0.010+/-0.026 χ^2/NDF: 12.1/10

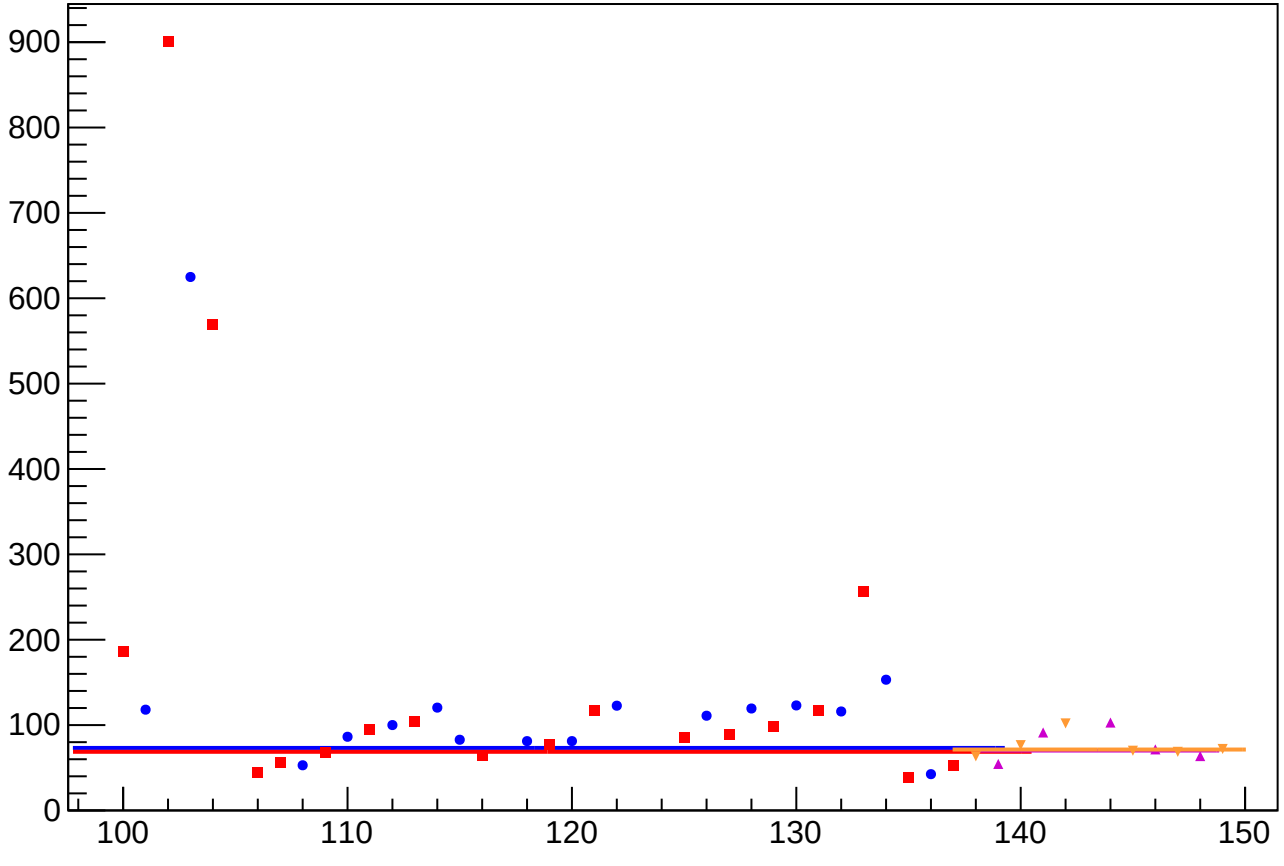
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.036+/-0.024 χ^2/NDF:20.7/23

All: -0.011+/-0.017 χ^2/NDF: 37.7/44

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: 71.361+/-0.026 χ^2/NDF:102947.6/5

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.188+/-0.026 χ^2/NDF:382388.7/4

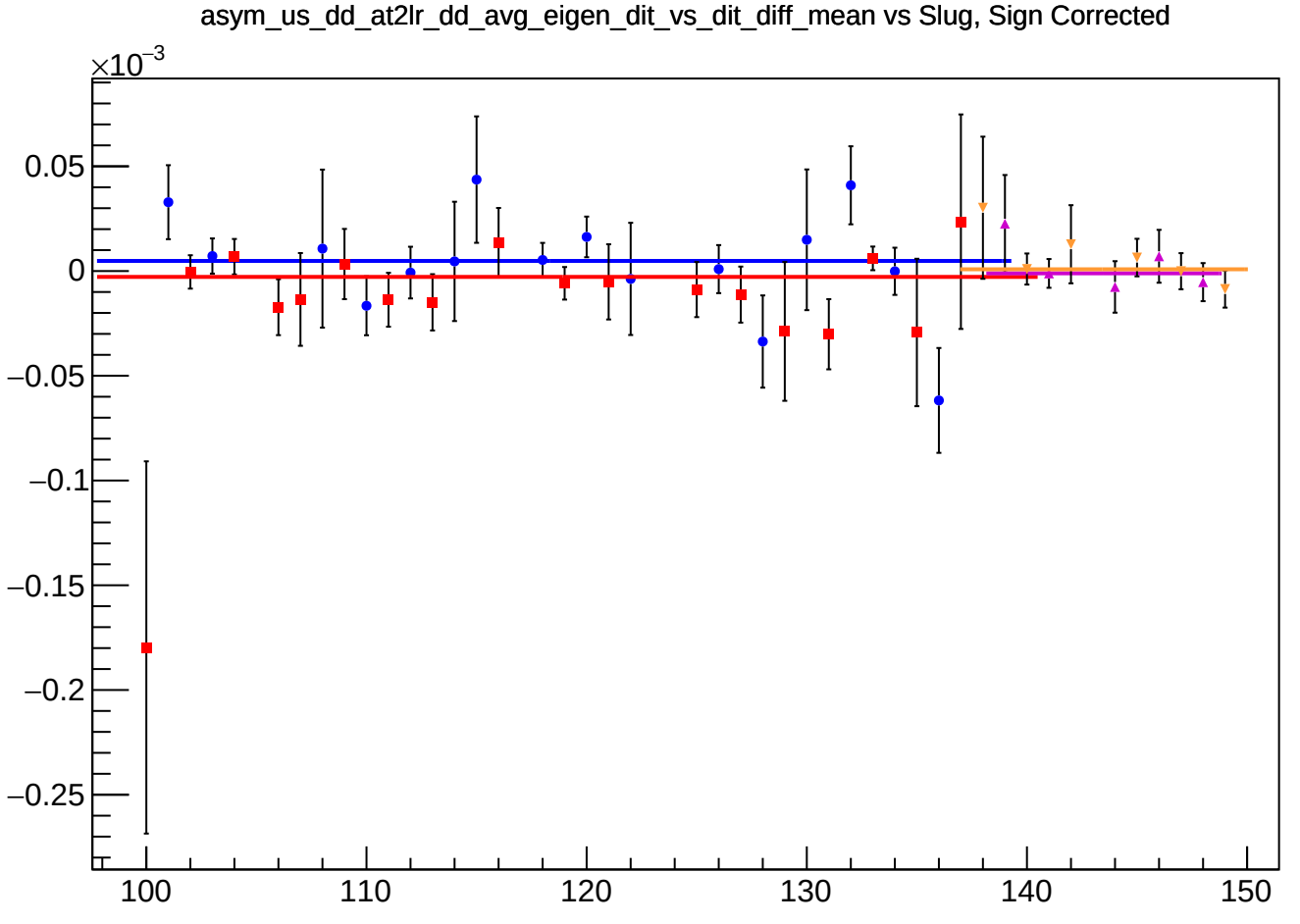
Left: 70.782+/-0.018 χ^2/NDF: 486352.2/10

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.922+/-0.017 χ^2/NDF:3244689.0/20

Out: 69.853+/-0.017 χ^2/NDF:3440632.2/23

All: 70.872+/-0.012 χ^2/NDF: 6692675.8/44



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: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

Left: -0.000+/-0.000 χ^2/NDF: 4.7/10

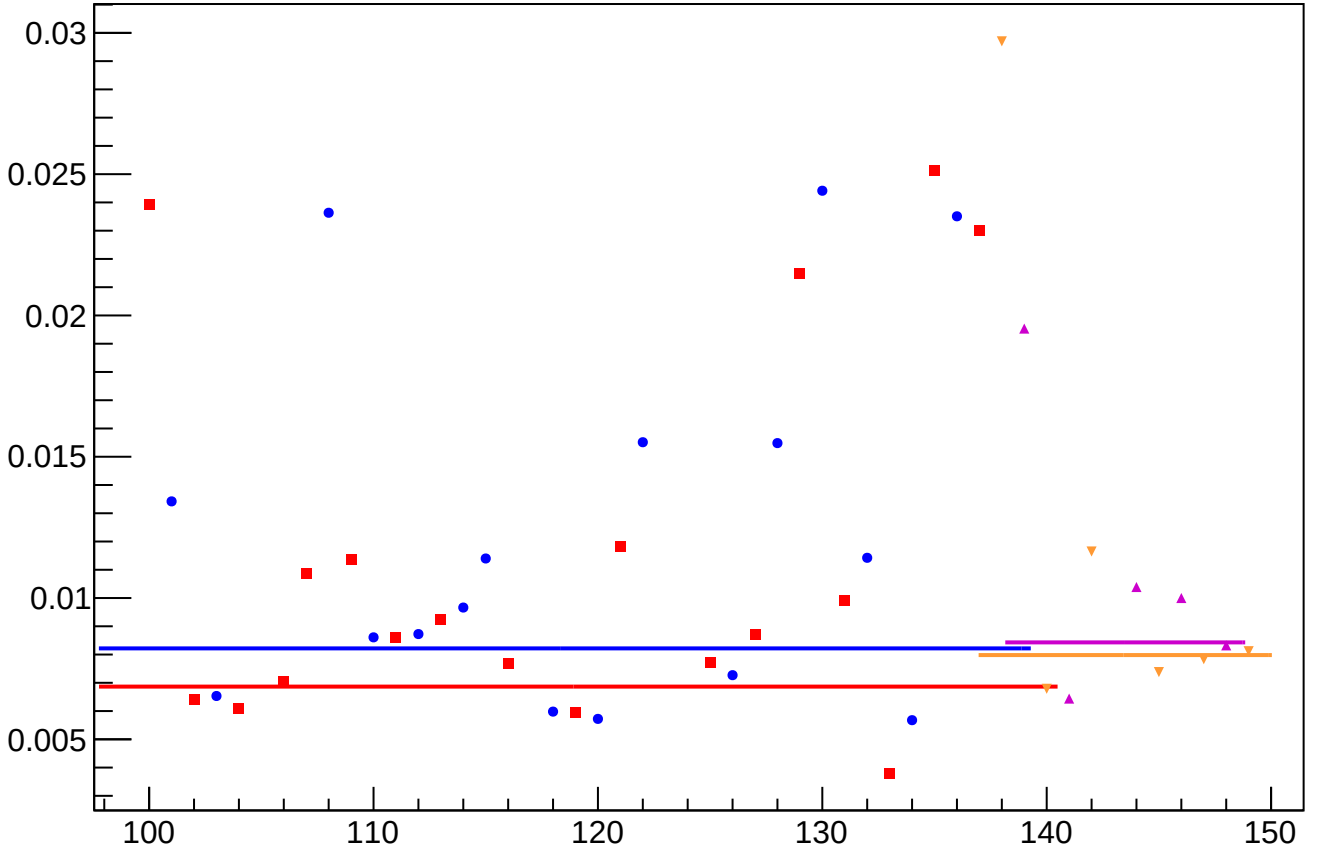
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:25.6/20

Out: -0.000+/-0.000 χ^2/NDF:20.0/23

All: 0.000+/-0.000 χ^2/NDF: 47.0/44

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:958336.9/5

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: 1675585.3/10

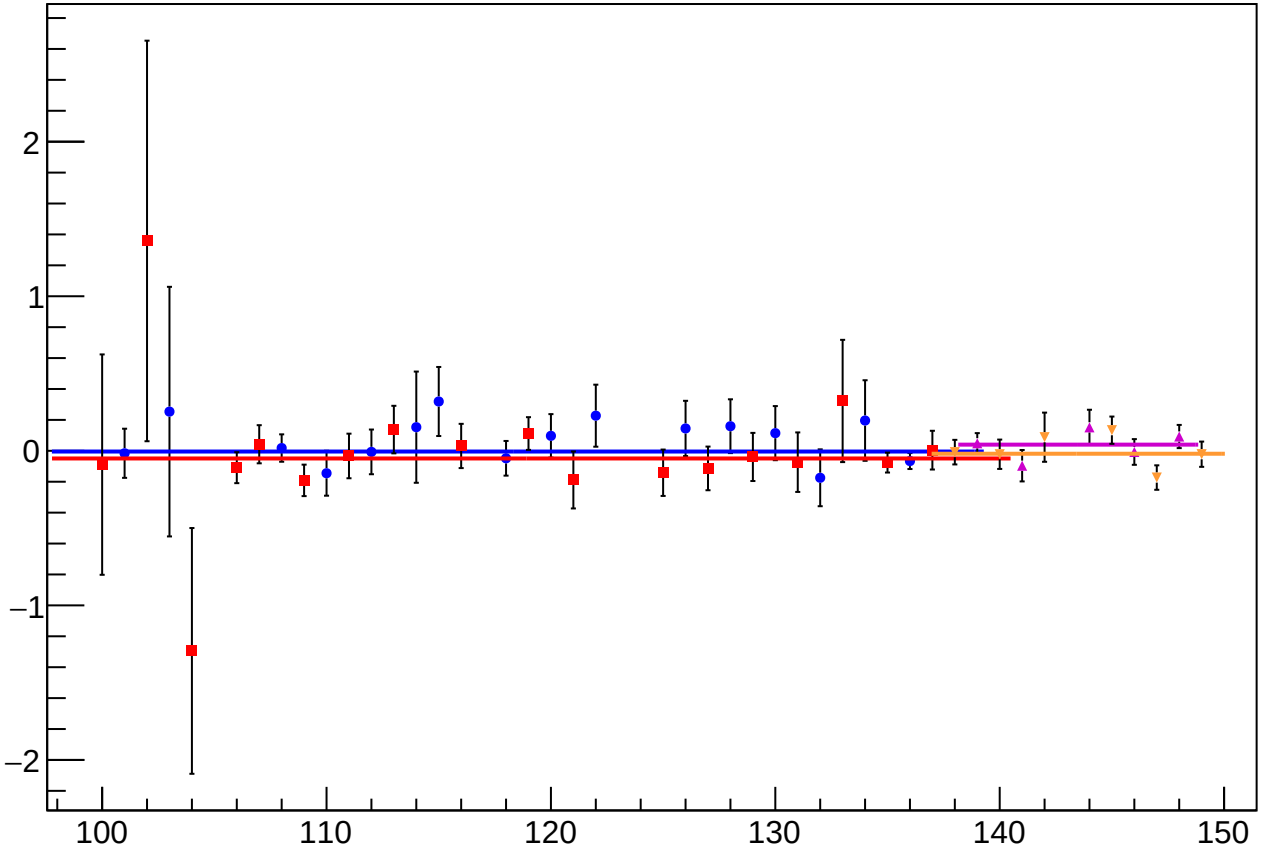
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3365372.9/20

Out: 0.007+/-0.000 χ^2/NDF:3486090.8/23

All: 0.008+/-0.000 χ^2/NDF: 7024908.6/44

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: -0.019+/-0.037 χ^2/NDF:7.2/5

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: 0.010+/-0.026 χ^2/NDF: 12.1/10

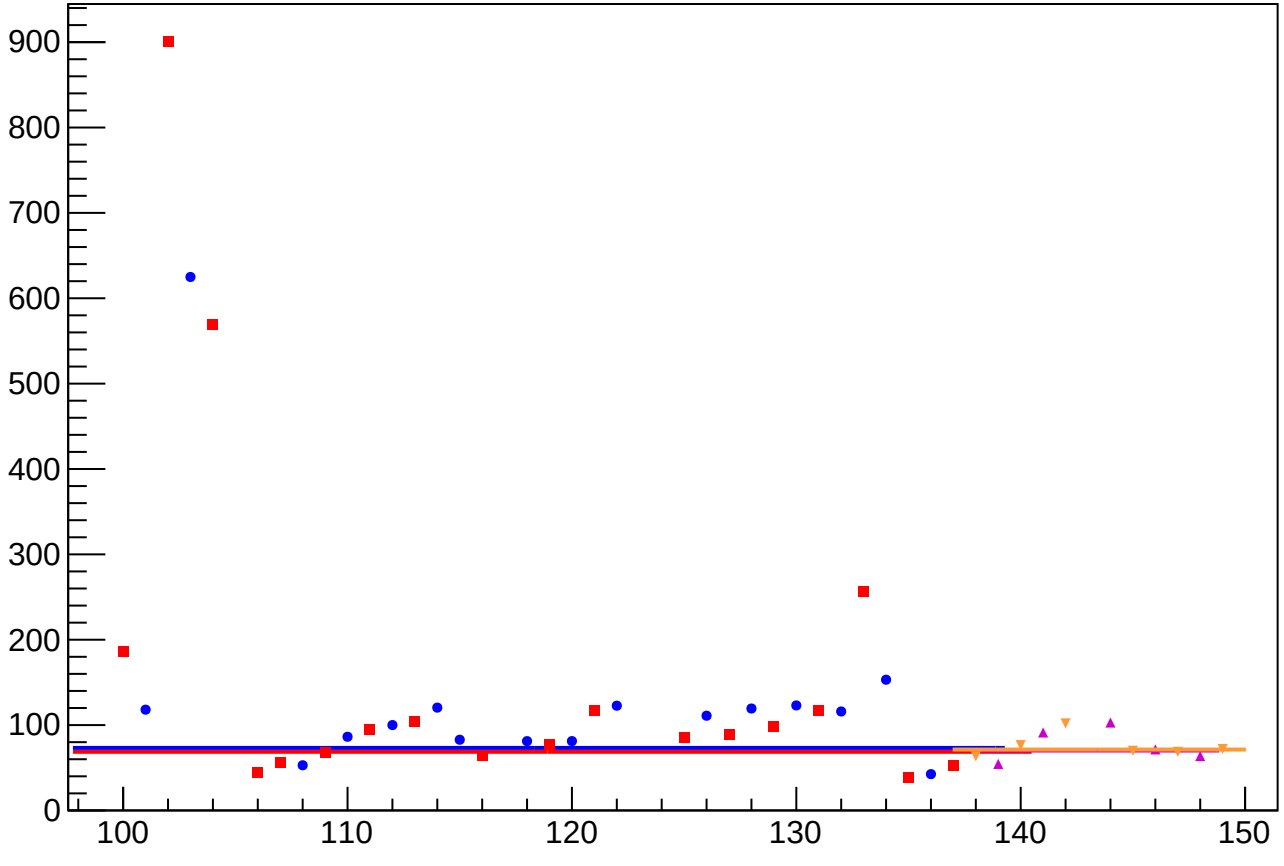
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.036+/-0.024 χ^2/NDF:20.7/23

All: -0.011+/-0.017 χ^2/NDF: 37.7/44

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: 71.362+/-0.026 χ^2/NDF:102949.5/5

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: 70.784+/-0.018 χ^2/NDF: 486132.9/10

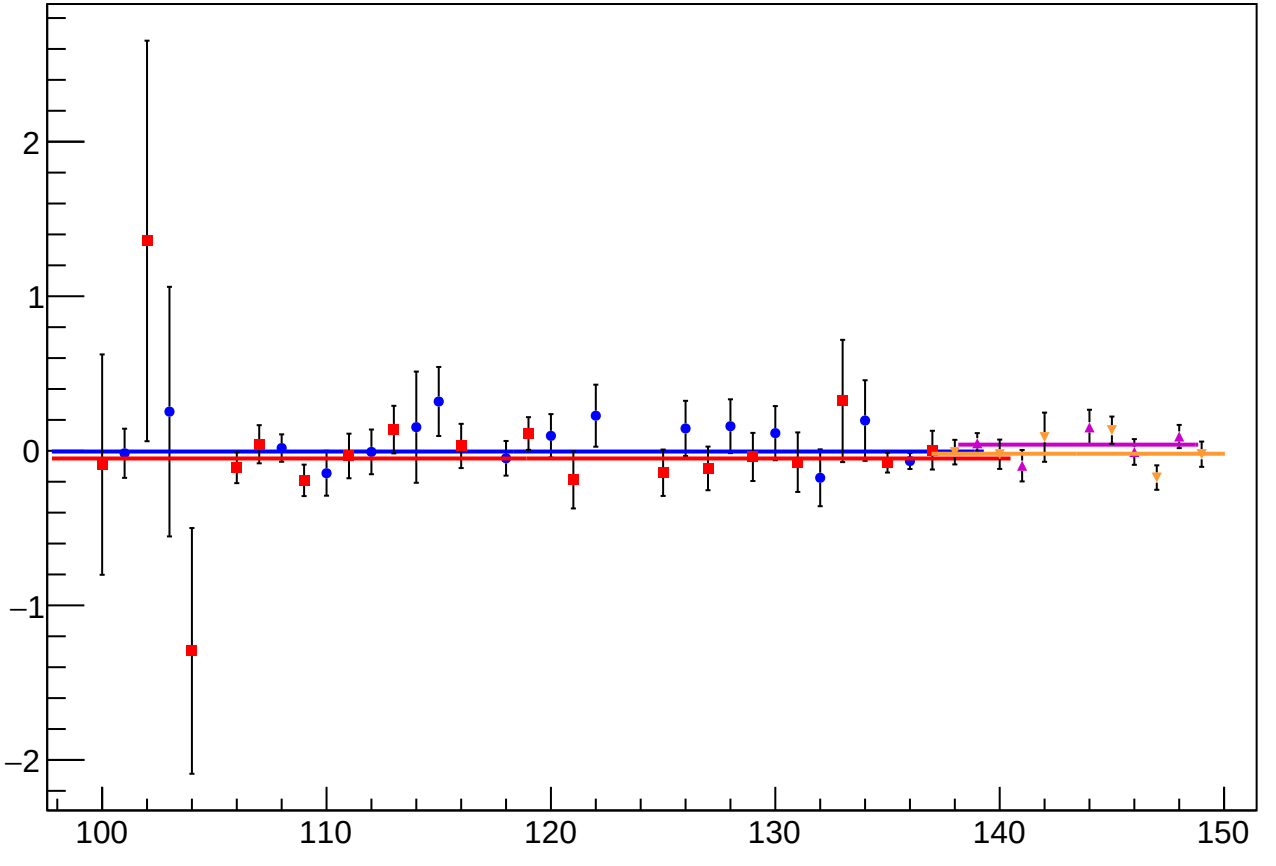
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.938+/-0.017 χ^2/NDF:3242284.1/20

Out: 69.847+/-0.017 χ^2/NDF:3441690.0/23

All: 70.876+/-0.012 χ^2/NDF: 6691484.1/44

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: -0.019+/-0.037 χ^2/NDF:7.2/5

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: 0.010+/-0.026 χ^2/NDF: 12.1/10

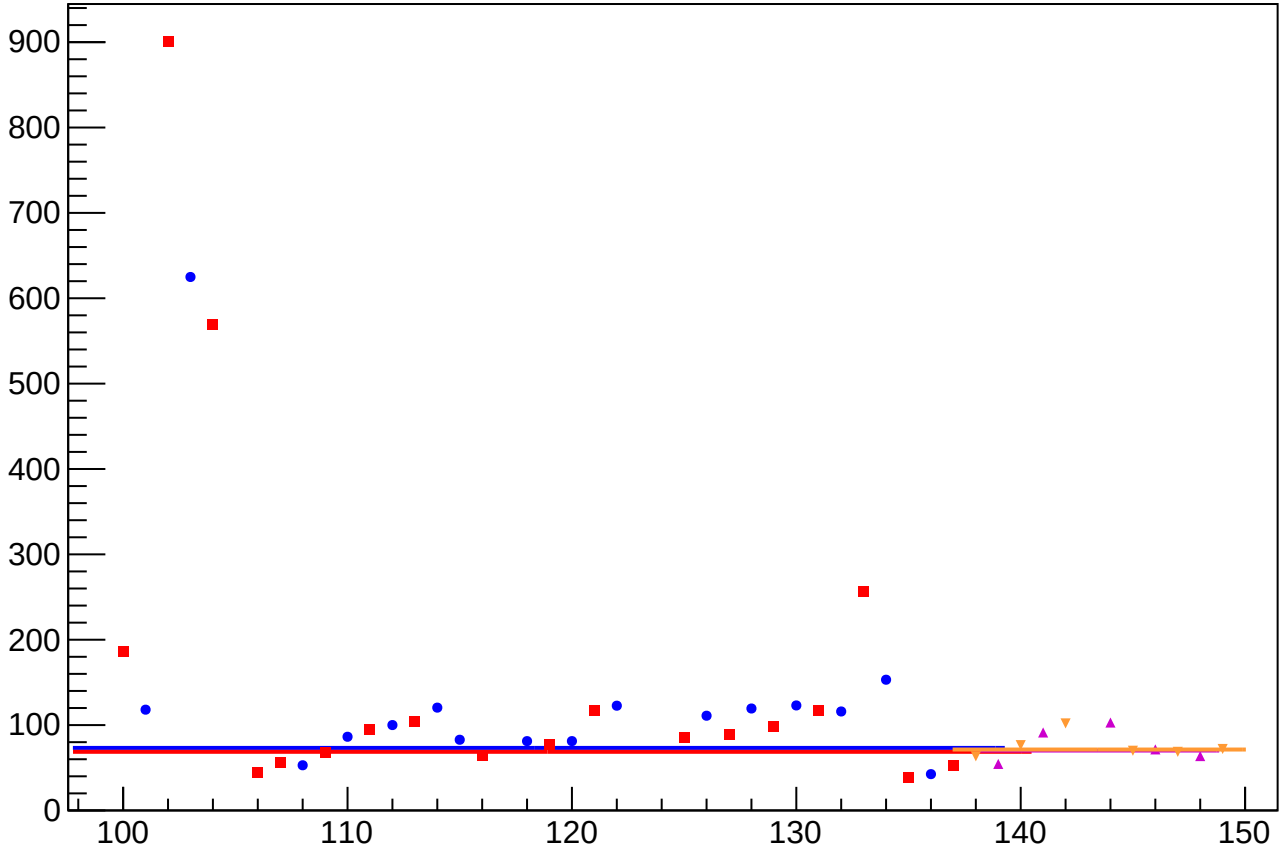
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.015+/-0.024 χ^2/NDF:14.7/20

Out: -0.036+/-0.024 χ^2/NDF:20.7/23

All: -0.011+/-0.017 χ^2/NDF: 37.7/44

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: 71.362+/-0.026 χ^2/NDF:102949.5/5

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.191+/-0.026 χ^2/NDF:382172.5/4

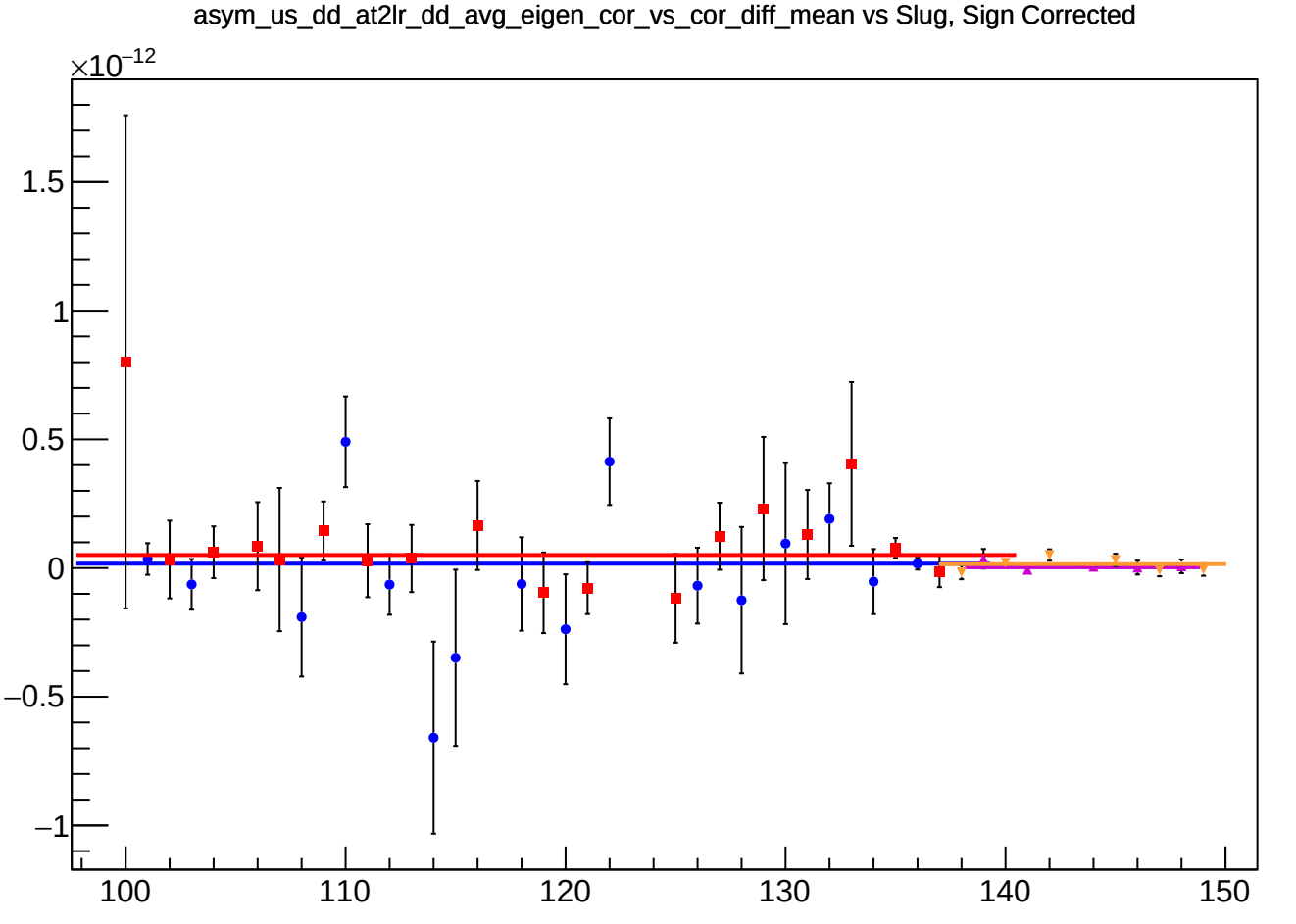
Left: 70.784+/-0.018 χ^2/NDF: 486132.9/10

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.938+/-0.017 χ^2/NDF:3242284.1/20

Out: 69.847+/-0.017 χ^2/NDF:3441690.0/23

All: 70.876+/-0.012 χ^2/NDF: 6691484.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

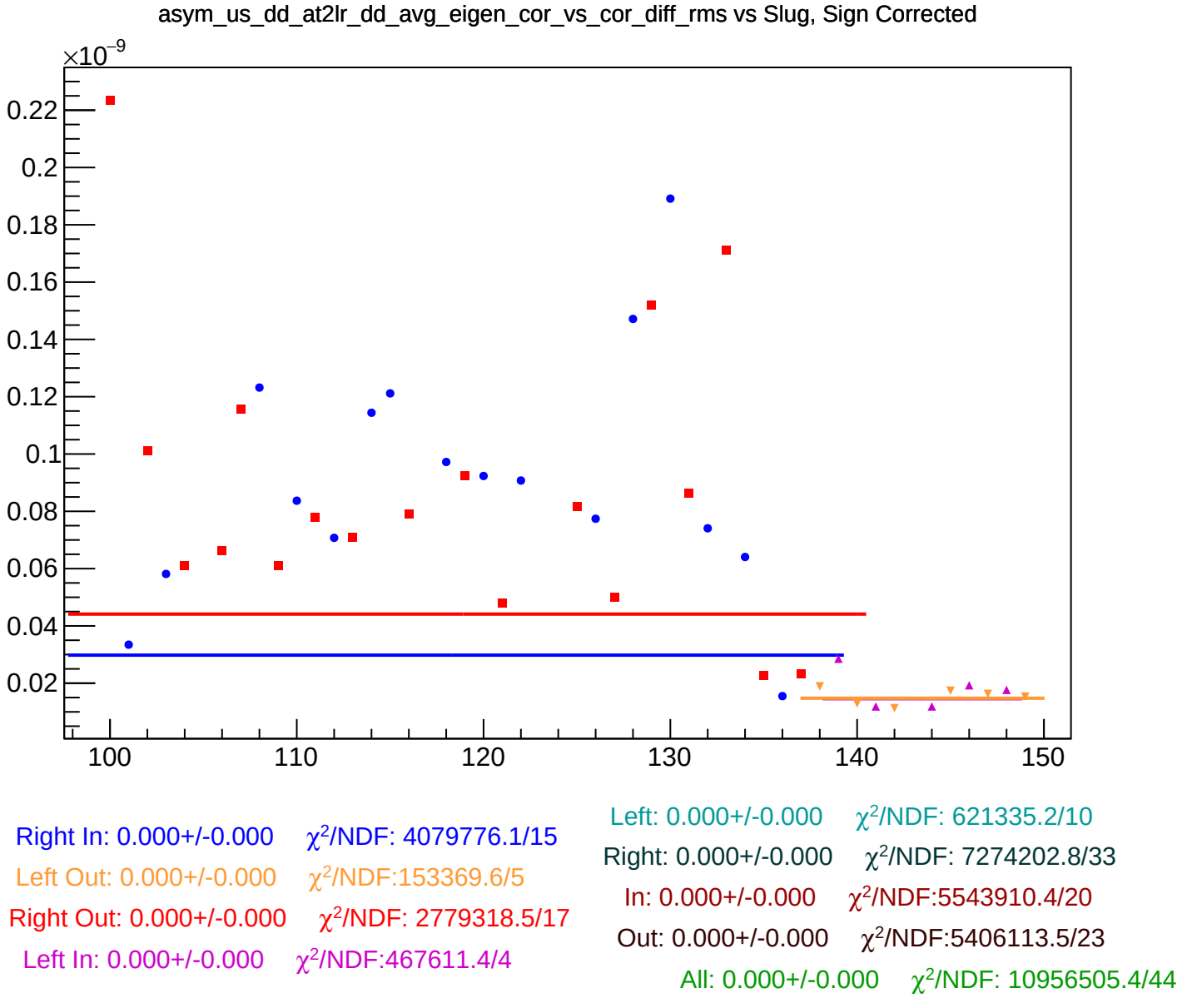
Left: 0.000+/-0.000 χ^2/NDF: 8.2/10

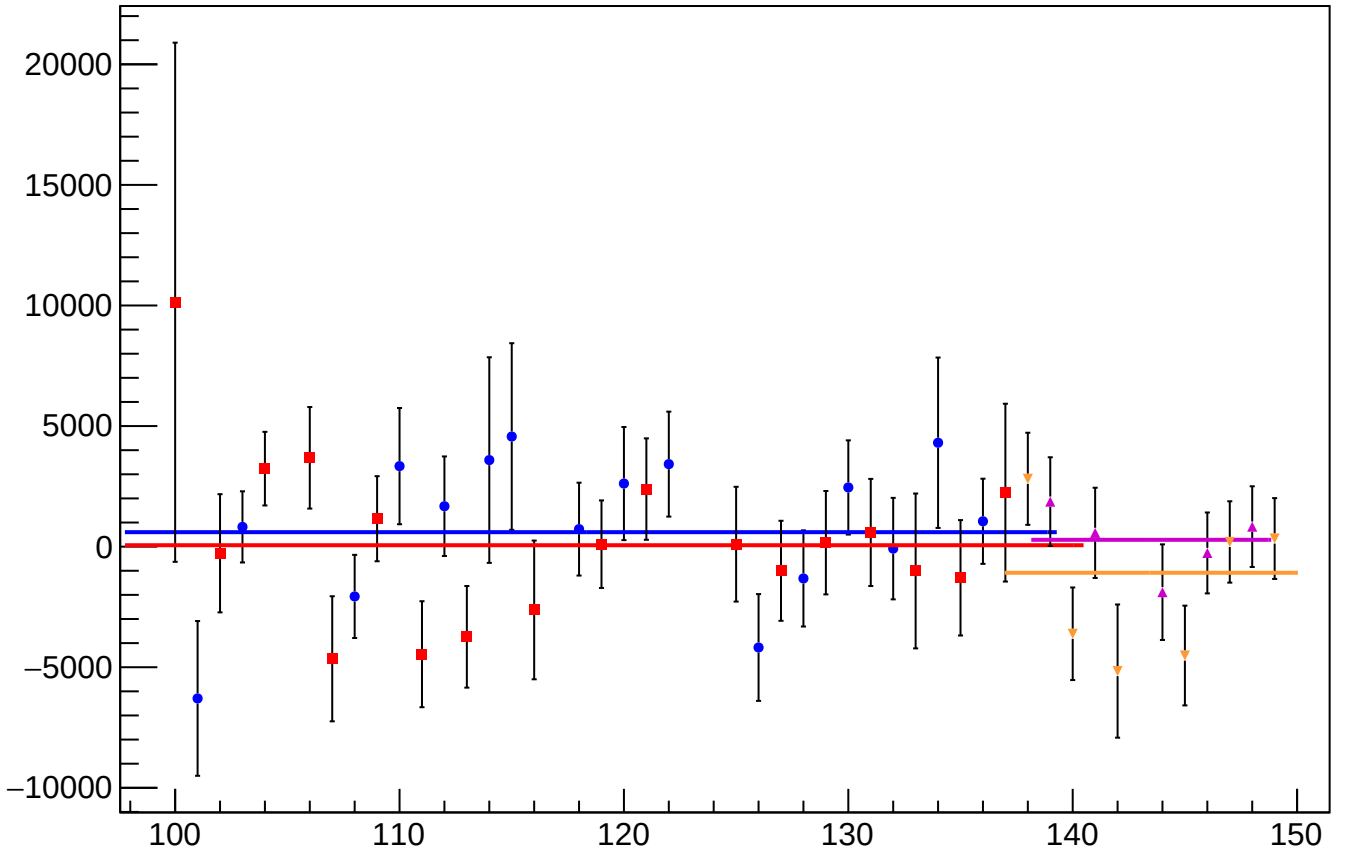
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

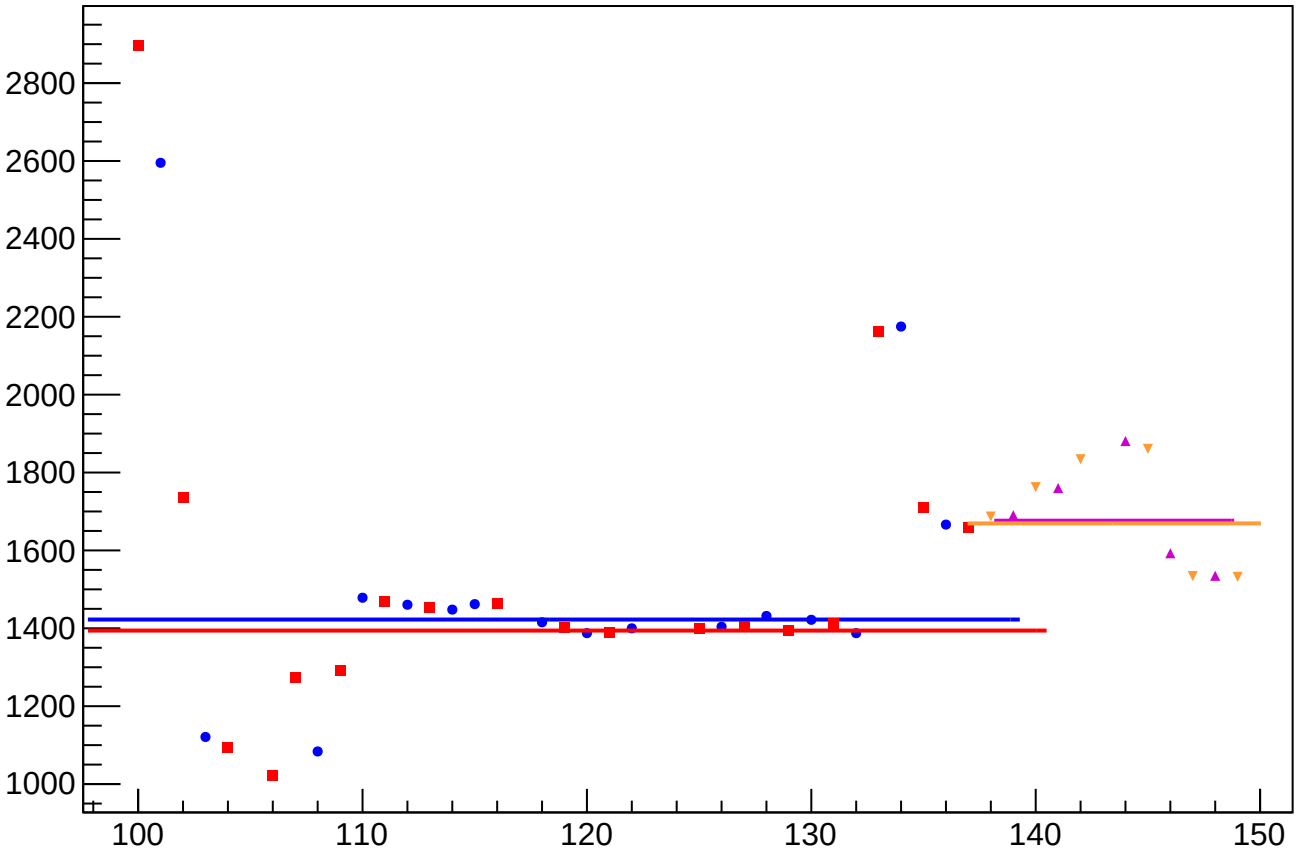
In: 0.000+/-0.000 χ^2/NDF:24.9/20

Out: 0.000+/-0.000 χ^2/NDF:17.0/23

All: 0.000+/-0.000 χ^2/NDF: 43.3/44


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:153369.6/5
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: 621335.2/10
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:5406113.5/23
All: 0.000+/-0.000 χ²/NDF: 10956505.4/44


reg_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: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: -1083.211+/-786.099 χ²/NDF:12.1/5
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: 283.498+/-803.644 χ²/NDF:2.2/4
Left: -414.939+/-561.956 χ²/NDF: 15.8/10
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 501.637+/-448.244 χ²/NDF:22.6/20
Out: -298.081+/-439.567 χ²/NDF:36.1/23
All: 93.963+/-313.844 χ²/NDF: 60.3/44



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1669.362+/-0.556 χ^2/NDF:55404.6/5

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: 1672.757+/-0.397 χ^2/NDF: 100169.9/10

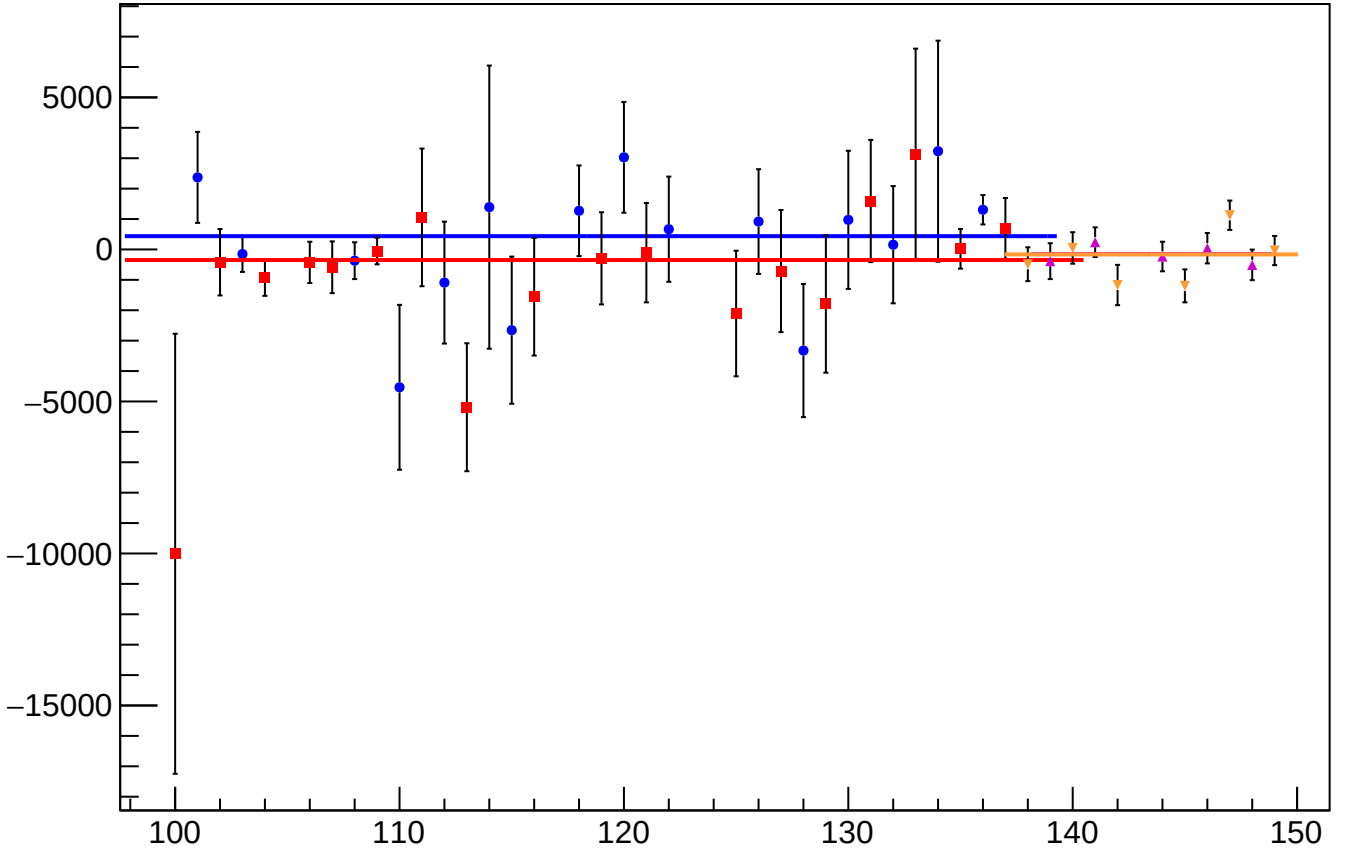
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1501.469+/-0.317 χ^2/NDF:742354.8/20

Out: 1480.216+/-0.311 χ^2/NDF:617534.9/23

All: 1490.635+/-0.222 χ^2/NDF: 1362181.6/44

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -162.711+/-216.846 χ^2/NDF:13.6/5

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: -157.849+/-157.073 χ^2/NDF: 15.1/10

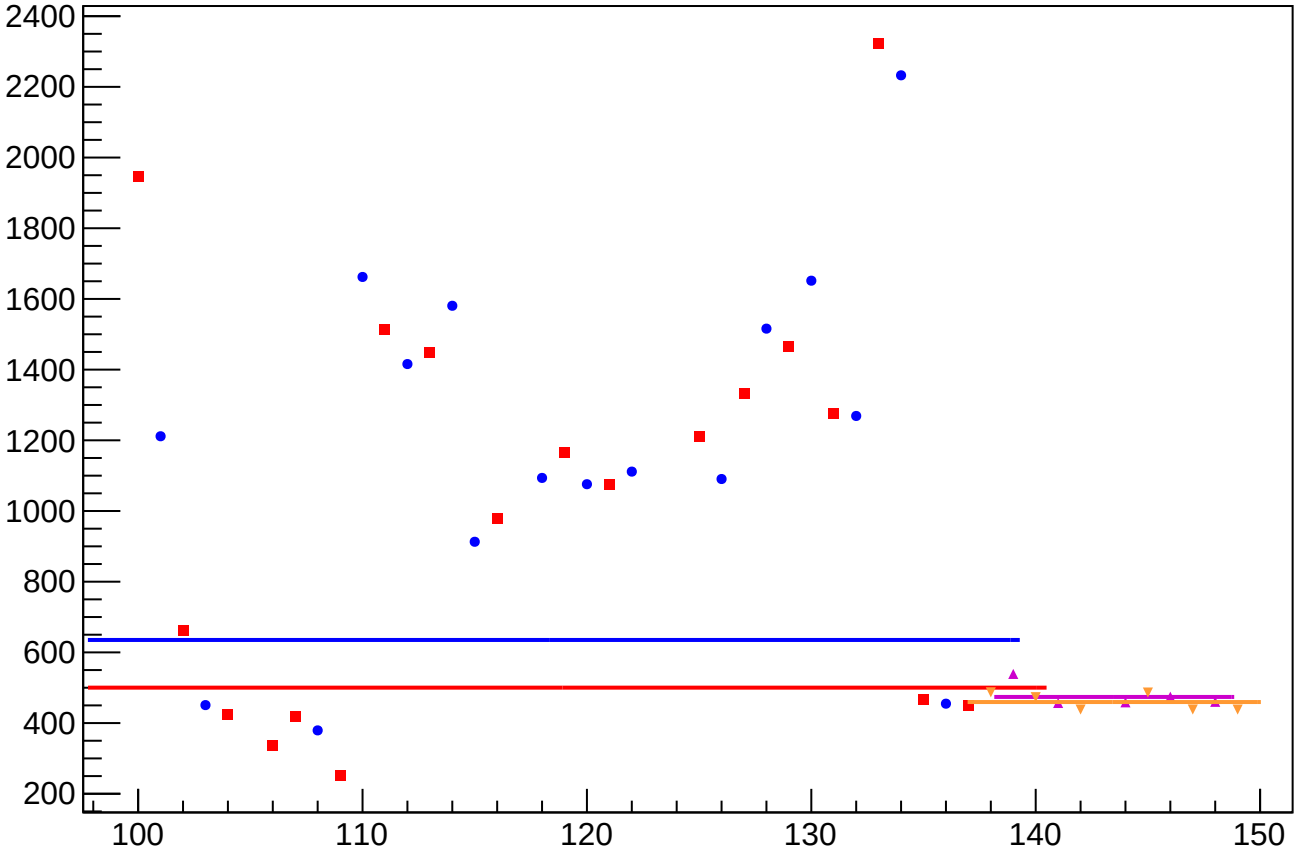
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 86.299+/-175.680 χ^2/NDF:23.5/20

Out: -248.679+/-158.972 χ^2/NDF:27.9/23

All: -97.873+/-117.876 χ^2/NDF: 53.4/44

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: 459.515+/-0.153 χ^2/NDF:20992.9/5

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 473.929+/-0.161 χ^2/NDF:30326.5/4

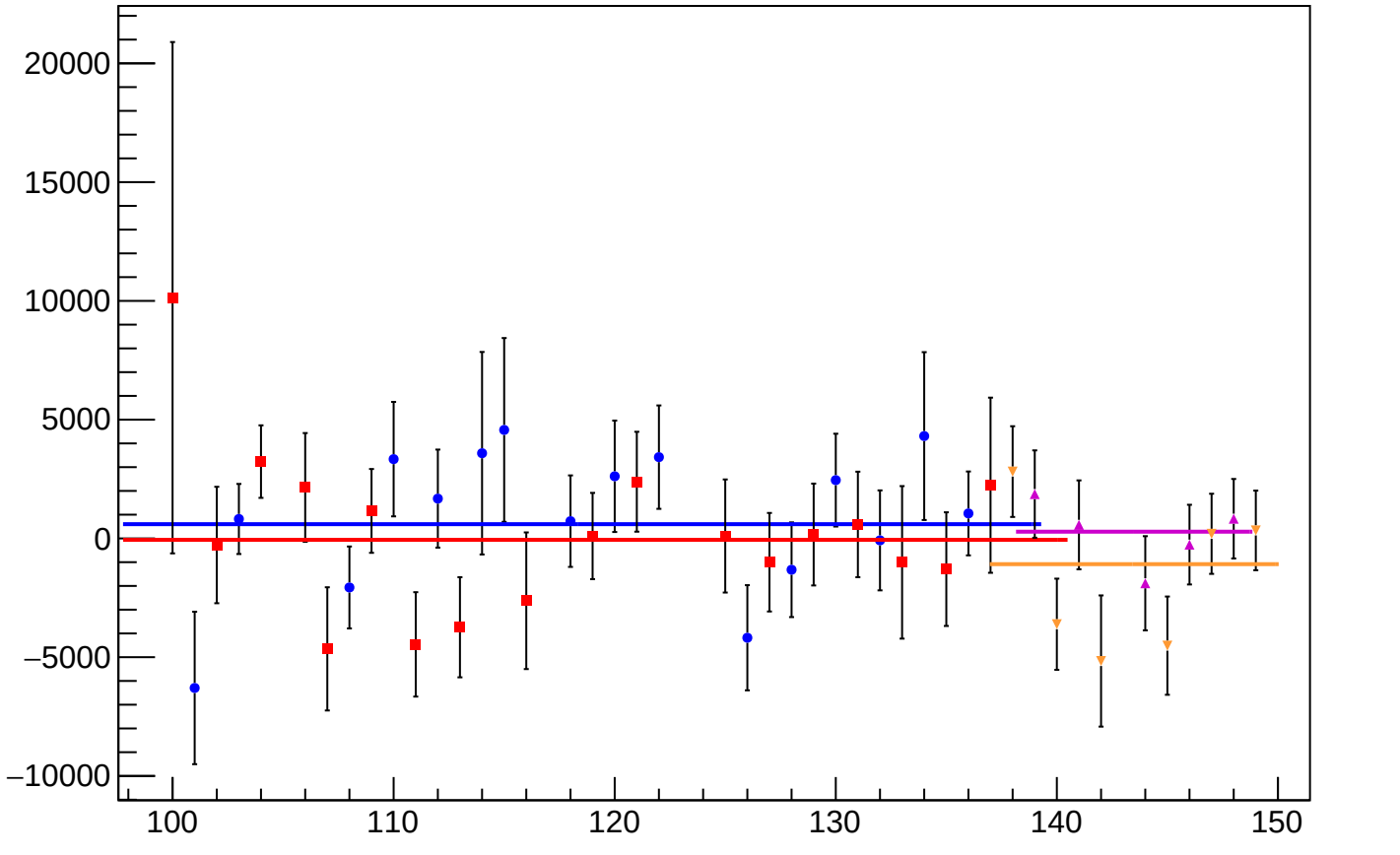
Left: 466.366+/-0.111 χ^2/NDF: 55519.4/10

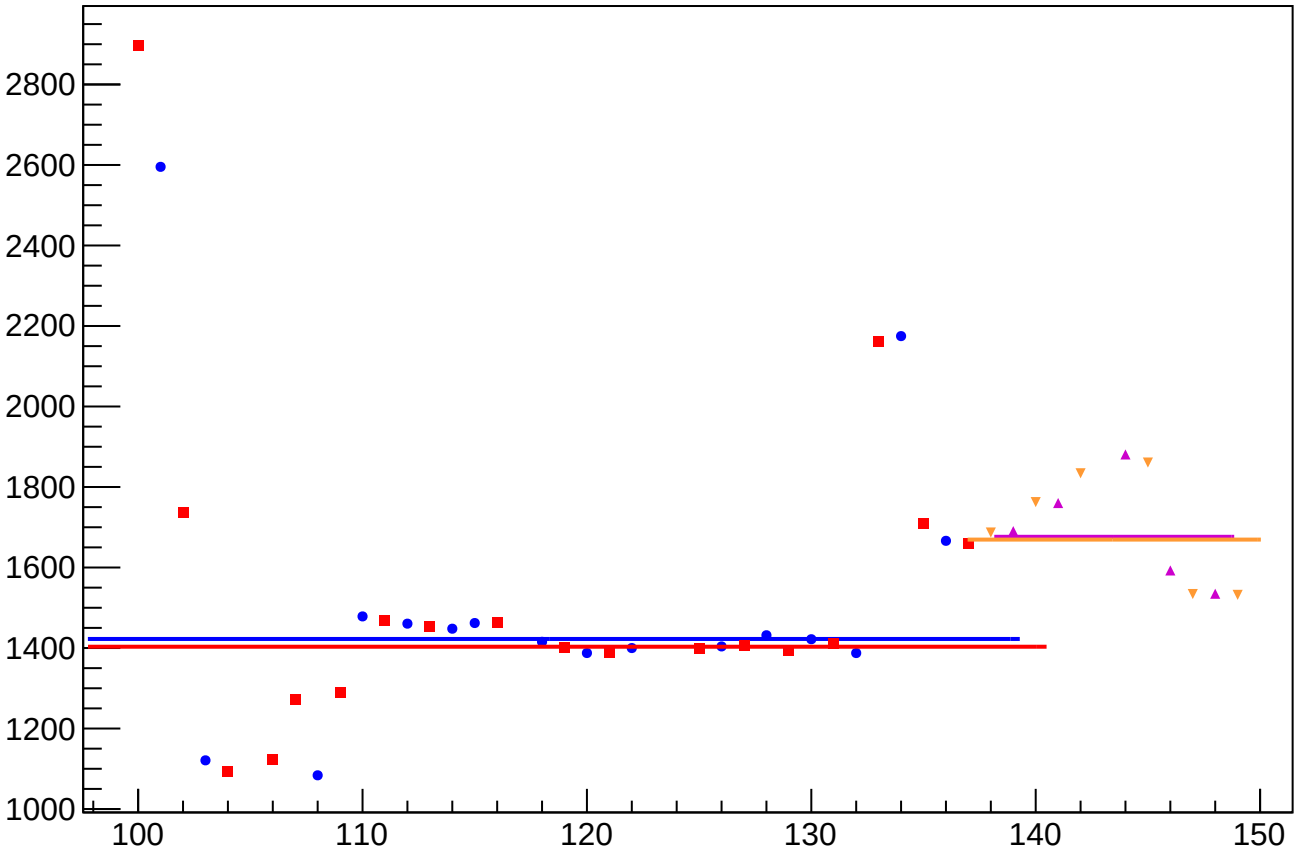
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 539.283+/-0.124 χ^2/NDF:4188846.2/20

Out: 478.349+/-0.112 χ^2/NDF:4362700.7/23

All: 505.781+/-0.083 χ^2/NDF: 8683832.0/44


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: -1083.241+/-786.099 χ²/NDF:12.1/5
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 283.648+/-803.644 χ²/NDF:2.2/4
Left: -414.880+/-561.956 χ²/NDF: 15.8/10
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 501.596+/-448.244 χ²/NDF:22.6/20
Out: -382.363+/-441.057 χ²/NDF:33.7/23
All: 52.473+/-314.384 χ²/NDF: 58.2/44



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1669.362+/-0.556 χ^2/NDF:55404.6/5

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1676.305+/-0.568 χ^2/NDF:44689.0/4

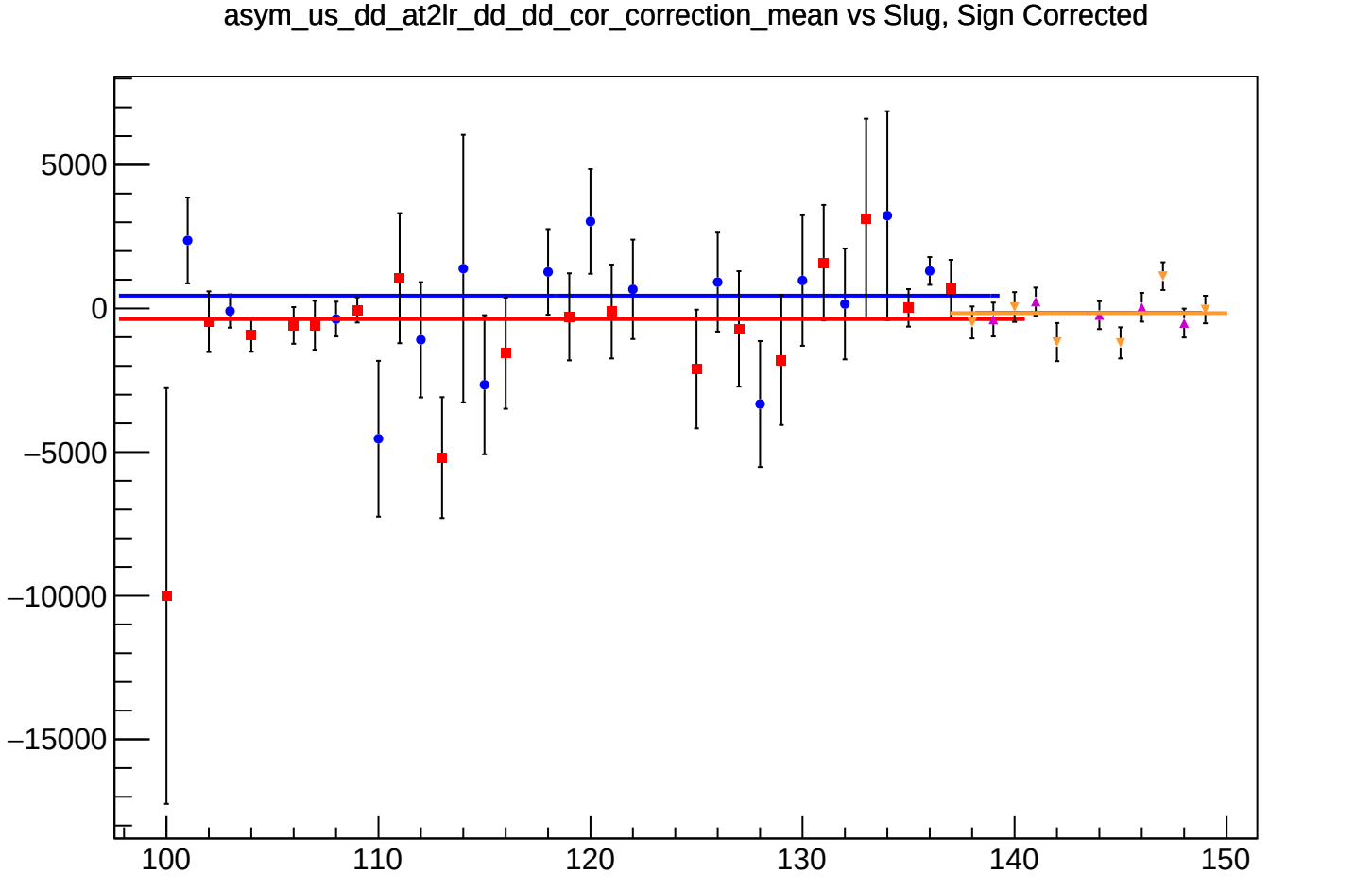
Left: 1672.757+/-0.397 χ^2/NDF: 100169.9/10

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1501.469+/-0.317 χ^2/NDF:742355.1/20

Out: 1487.001+/-0.312 χ^2/NDF:571598.9/23

All: 1494.118+/-0.222 χ^2/NDF: 1315012.6/44



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -162.719+/-216.853 χ^2/NDF:13.6/5

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: -157.883+/-157.075 χ^2/NDF: 15.1/10

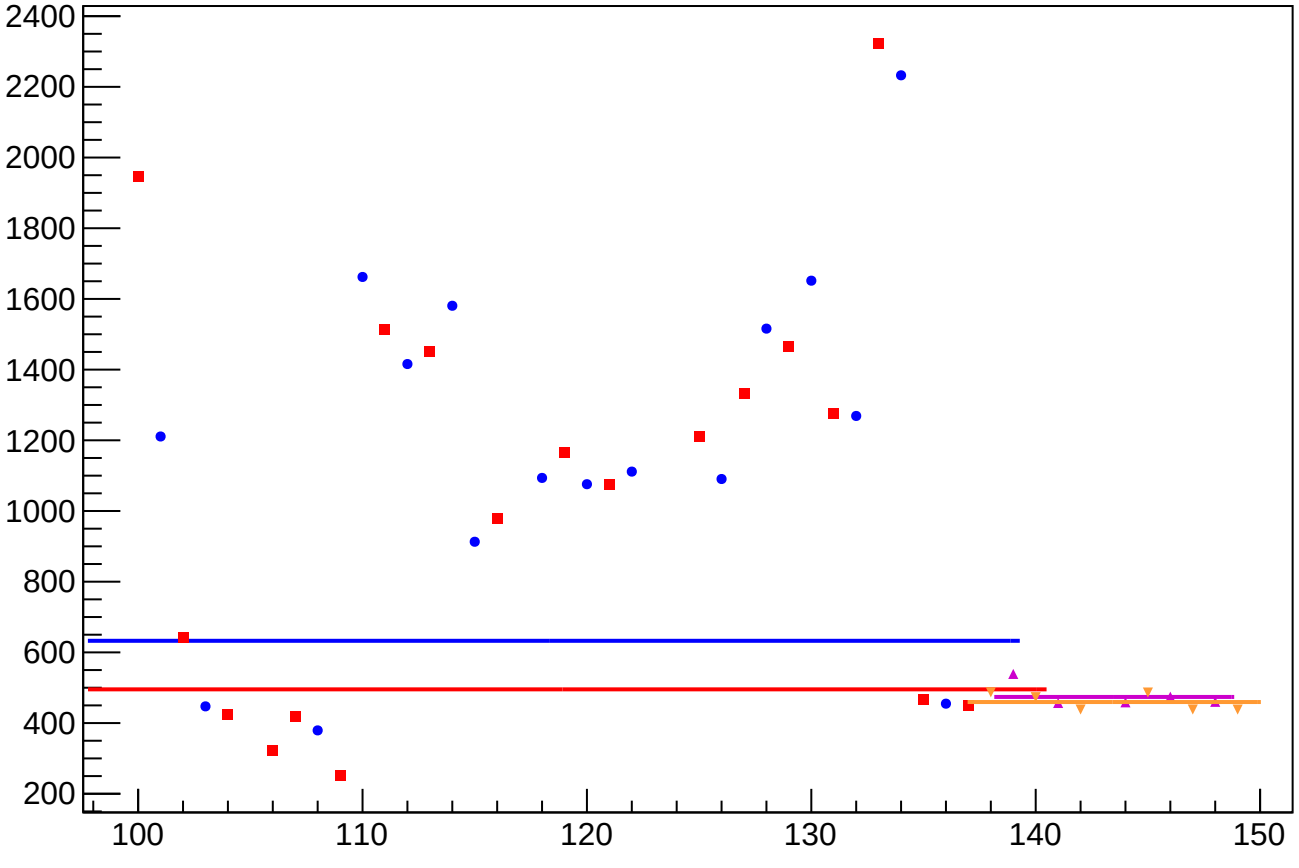
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 90.984+/-175.373 χ^2/NDF:23.5/20

Out: -260.848+/-158.216 χ^2/NDF:28.1/23

All: -102.980+/-117.474 χ^2/NDF: 53.8/44

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: 459.529+/-0.153 χ^2/NDF:20990.7/5

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

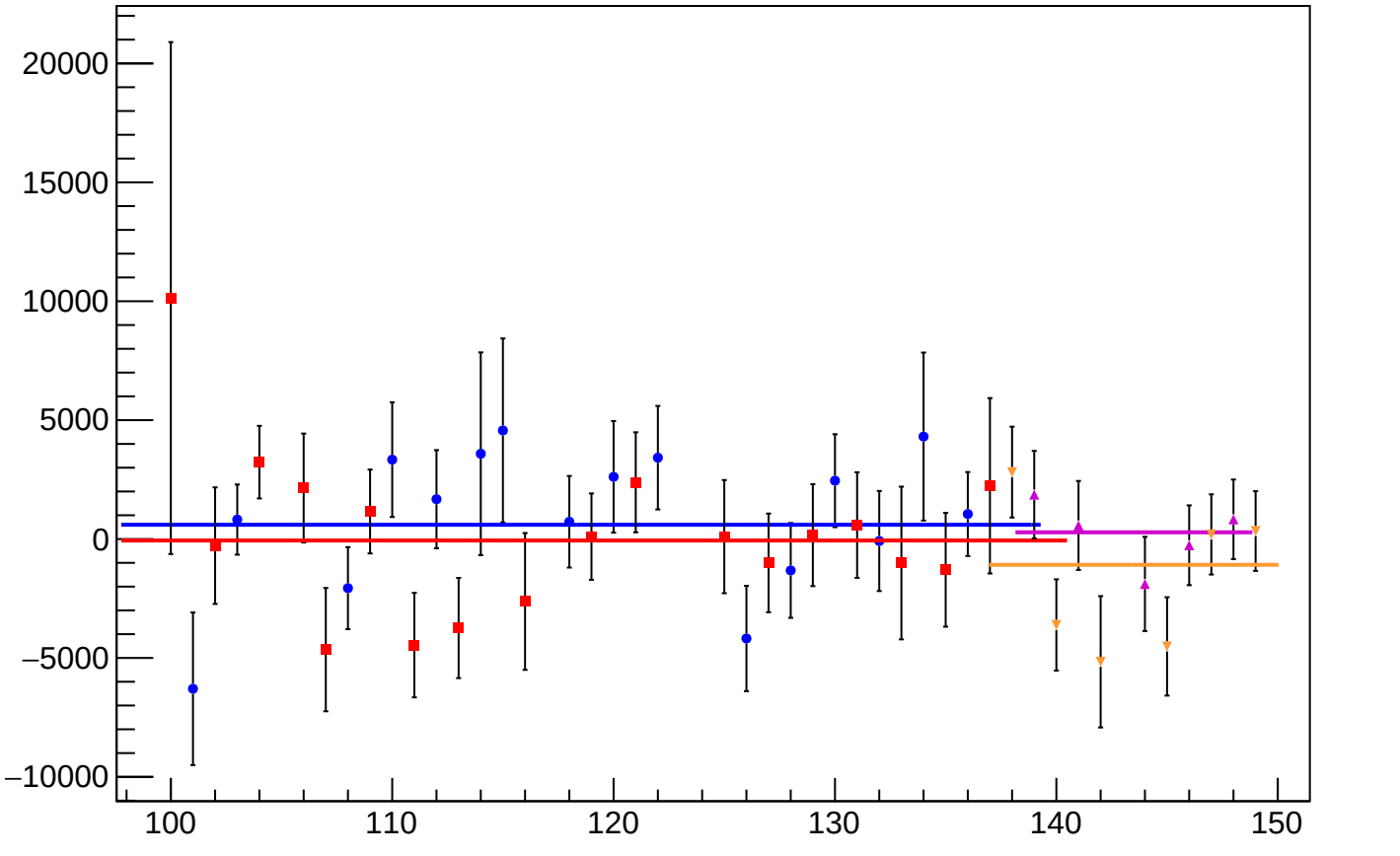
Left: 466.371+/-0.111 χ^2/NDF: 55505.8/10

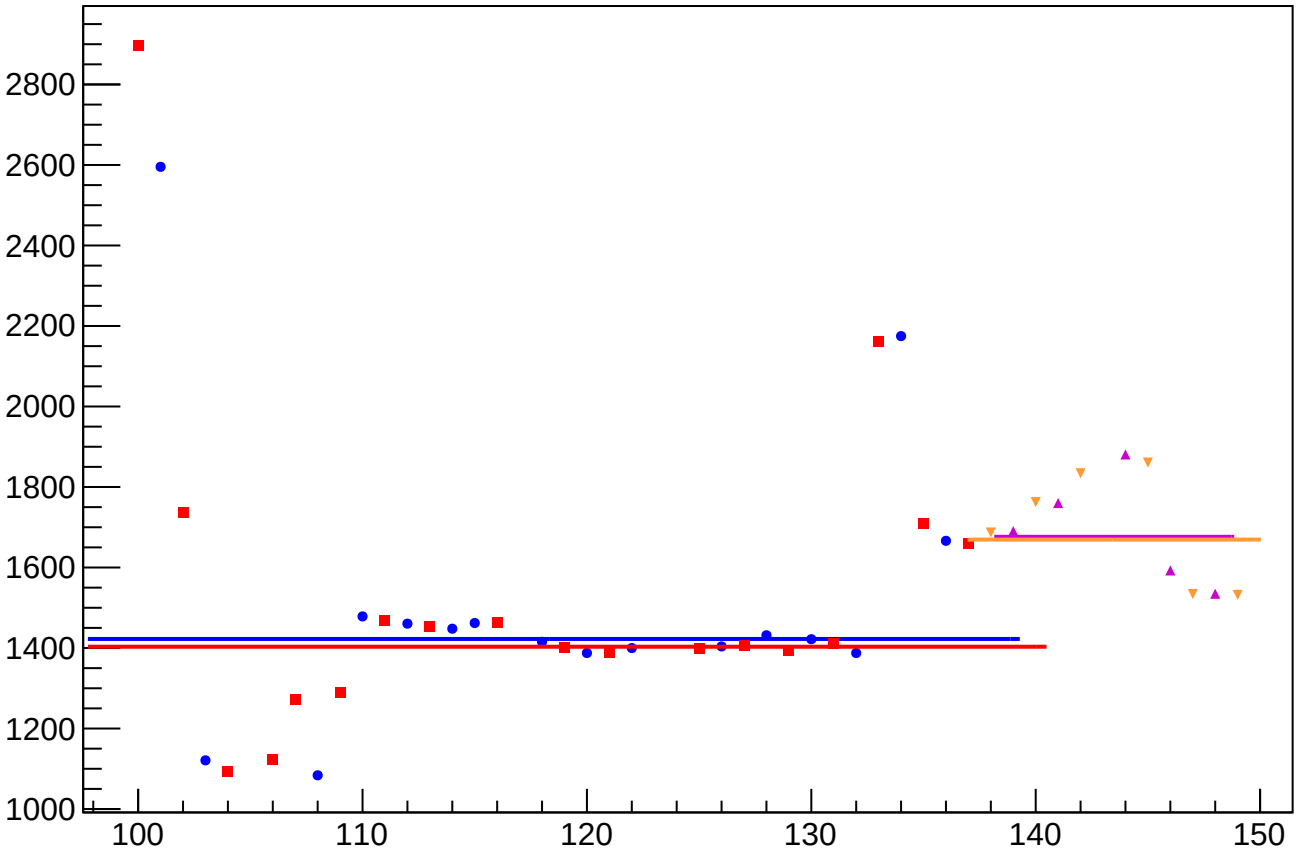
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.641+/-0.124 χ^2/NDF:4194126.7/20

Out: 476.296+/-0.112 χ^2/NDF:4384040.3/23

All: 504.271+/-0.083 χ^2/NDF: 8717511.7/44


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: -1083.241+/-786.099 χ²/NDF:12.1/5
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 283.648+/-803.644 χ²/NDF:2.2/4
Left: -414.880+/-561.956 χ²/NDF: 15.8/10
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 501.596+/-448.244 χ²/NDF:22.6/20
Out: -382.363+/-441.057 χ²/NDF:33.7/23
All: 52.473+/-314.384 χ²/NDF: 58.2/44



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1669.362+/-0.556 χ^2/NDF:55404.6/5

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: 1672.757+/-0.397 χ^2/NDF: 100169.9/10

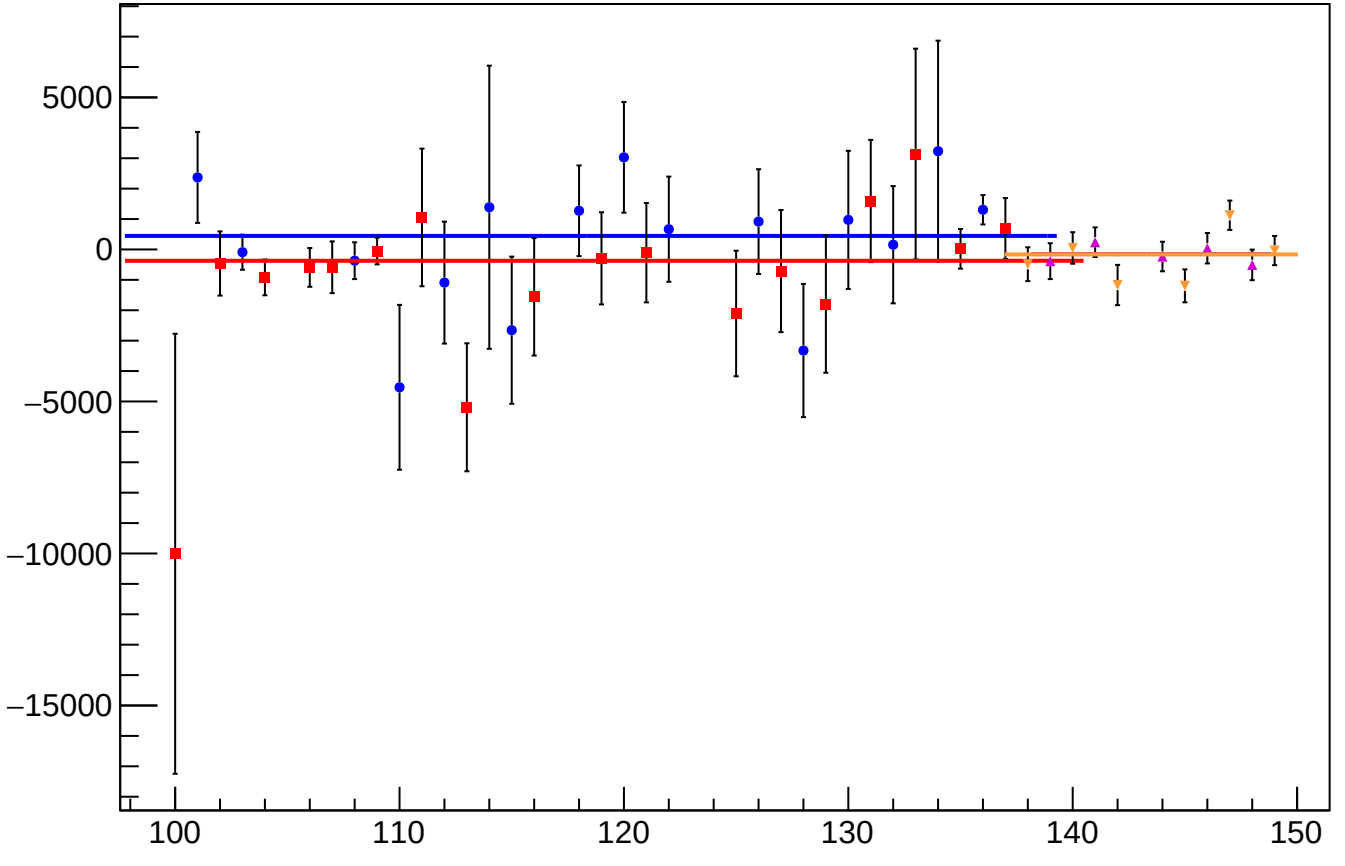
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1501.469+/-0.317 χ^2/NDF:742355.1/20

Out: 1487.001+/-0.312 χ^2/NDF:571598.9/23

All: 1494.118+/-0.222 χ^2/NDF: 1315012.6/44

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: -162.719+/-216.853 χ^2/NDF:13.6/5

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: -157.883+/-157.075 χ^2/NDF: 15.1/10

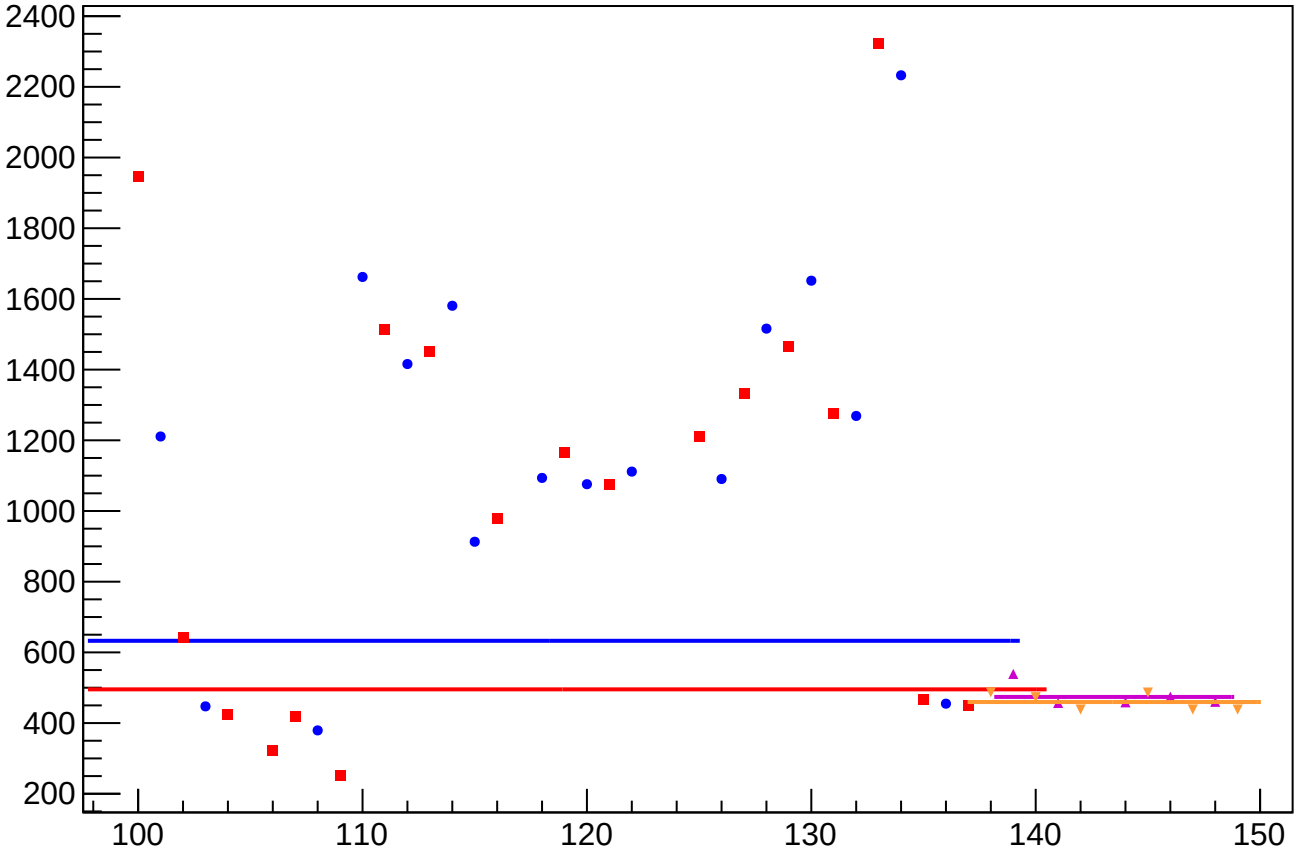
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 90.984+/-175.373 χ^2/NDF:23.5/20

Out: -260.848+/-158.216 χ^2/NDF:28.1/23

All: -102.980+/-117.474 χ^2/NDF: 53.8/44

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: 459.529+/-0.153 χ^2/NDF:20990.7/5

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 473.923+/-0.161 χ^2/NDF:30326.7/4

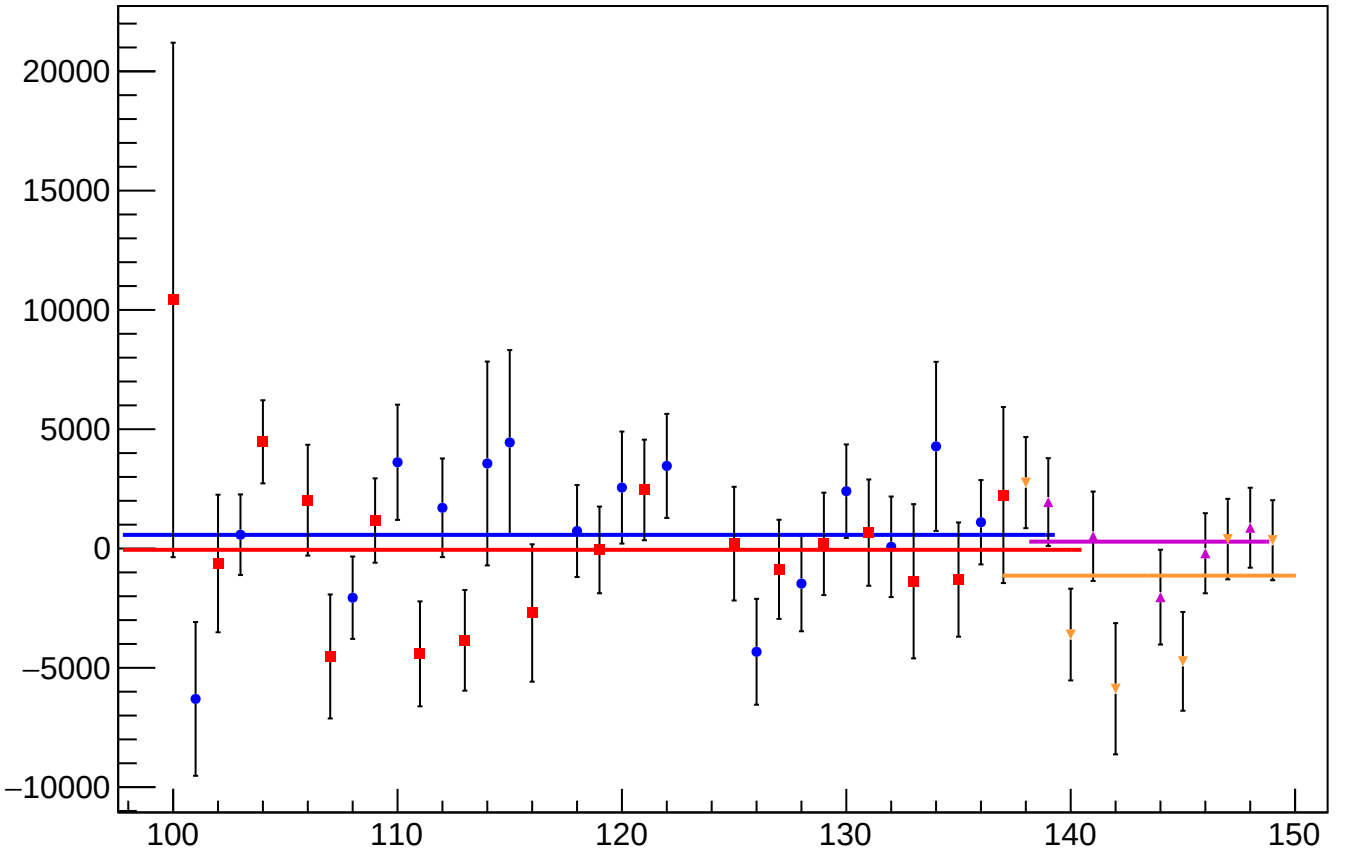
Left: 466.371+/-0.111 χ^2/NDF: 55505.8/10

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.641+/-0.124 χ^2/NDF:4194126.7/20

Out: 476.296+/-0.112 χ^2/NDF:4384040.3/23

All: 504.271+/-0.083 χ^2/NDF: 8717511.7/44



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1135.376+/-786.554 χ^2/NDF:13.4/5

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 288.417+/-804.634 χ^2/NDF:2.4/4

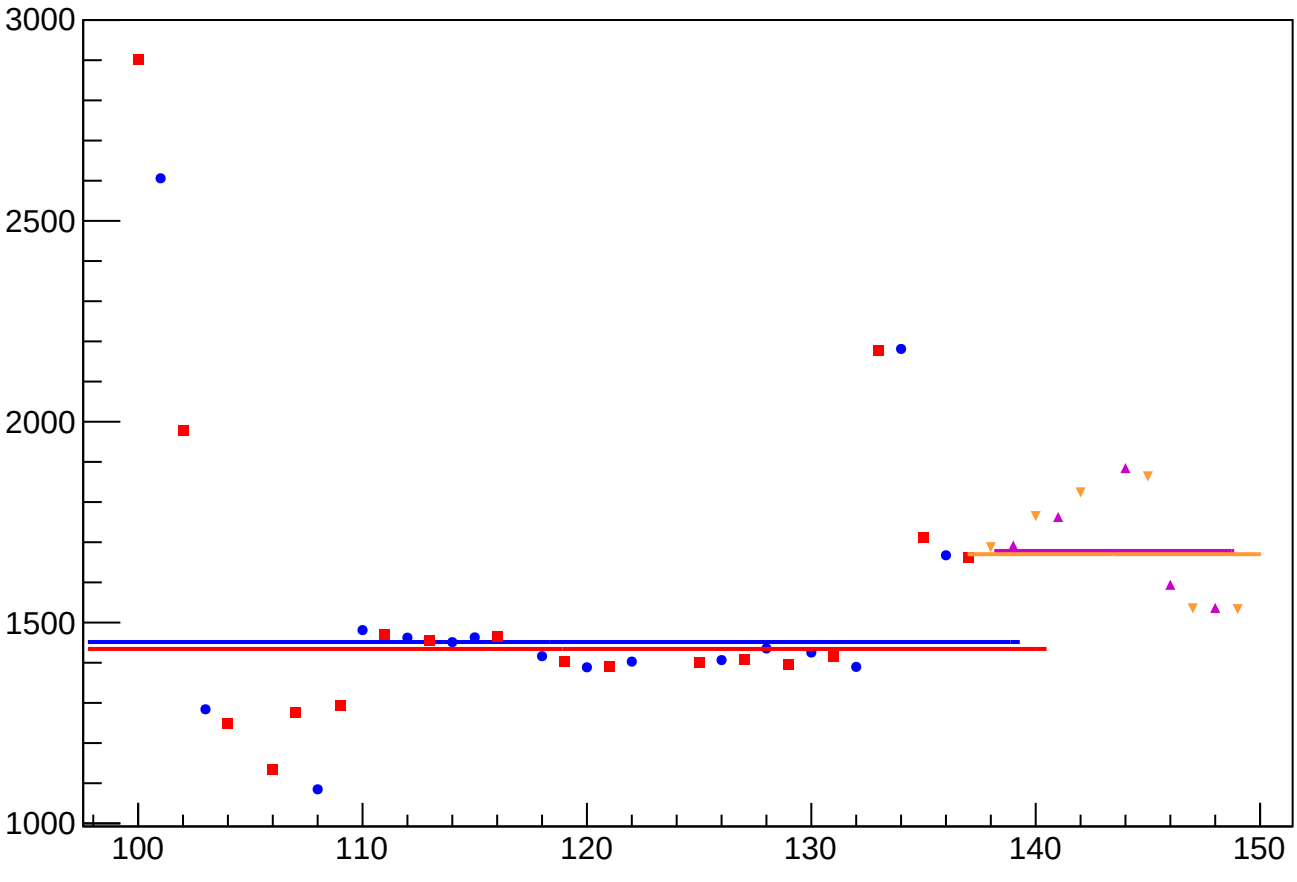
Left: -439.655+/-562.461 χ^2/NDF: 17.4/10

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 481.973+/-453.857 χ^2/NDF:23.3/20

Out: -404.909+/-448.167 χ^2/NDF:37.2/23

All: 32.938+/-318.895 χ^2/NDF: 62.4/44



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1670.182+/-0.556 χ^2/NDF:54819.2/5

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.4/4

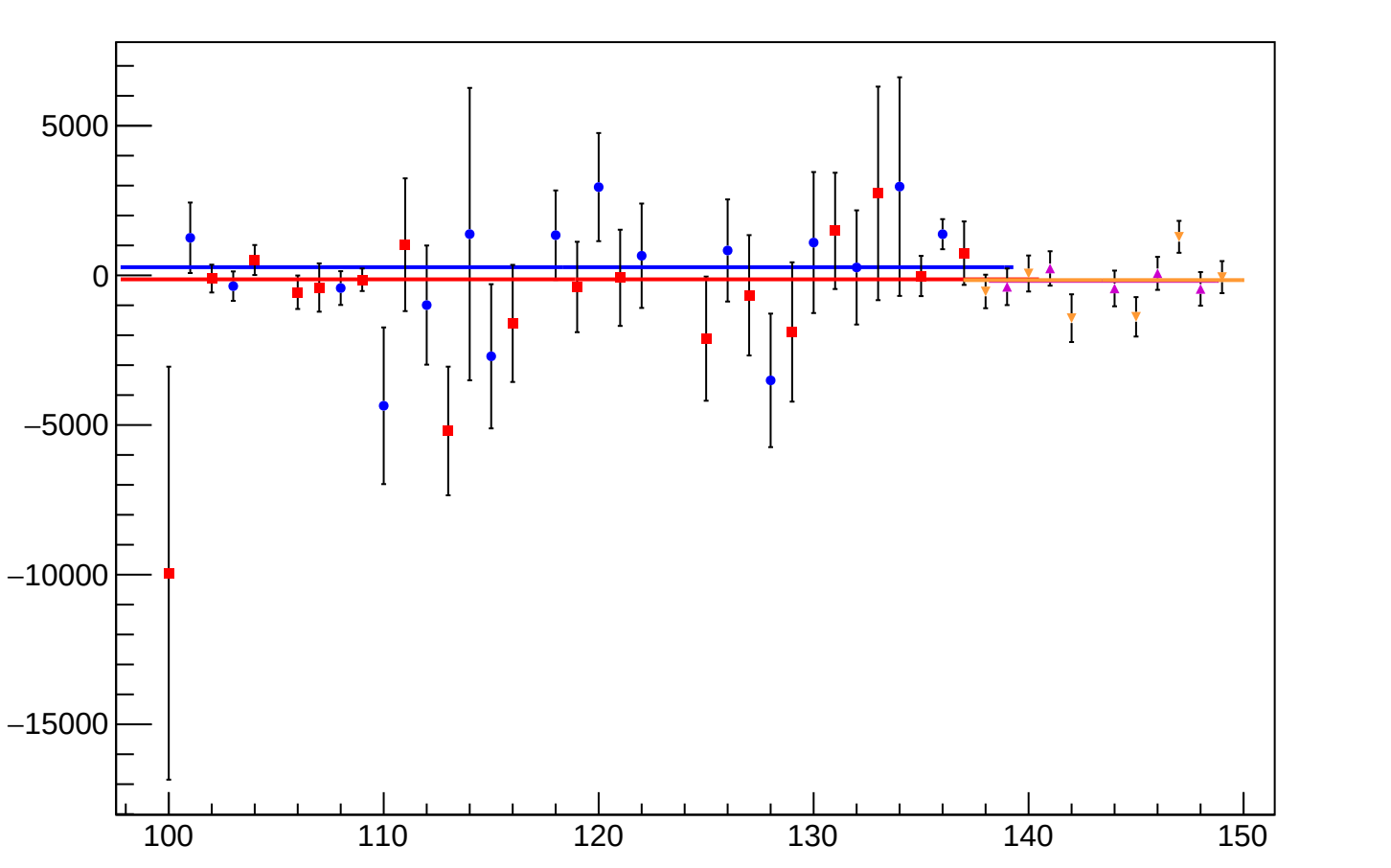
Left: 1674.153+/-0.398 χ^2/NDF: 100023.9/10

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1523.714+/-0.321 χ^2/NDF:641212.9/20

Out: 1510.895+/-0.317 χ^2/NDF:504863.5/23

All: 1517.224+/-0.225 χ^2/NDF: 1146884.3/44



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -158.197+/-243.765 χ^2/NDF:14.0/5

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: -170.733+/-177.302 χ^2/NDF: 15.2/10

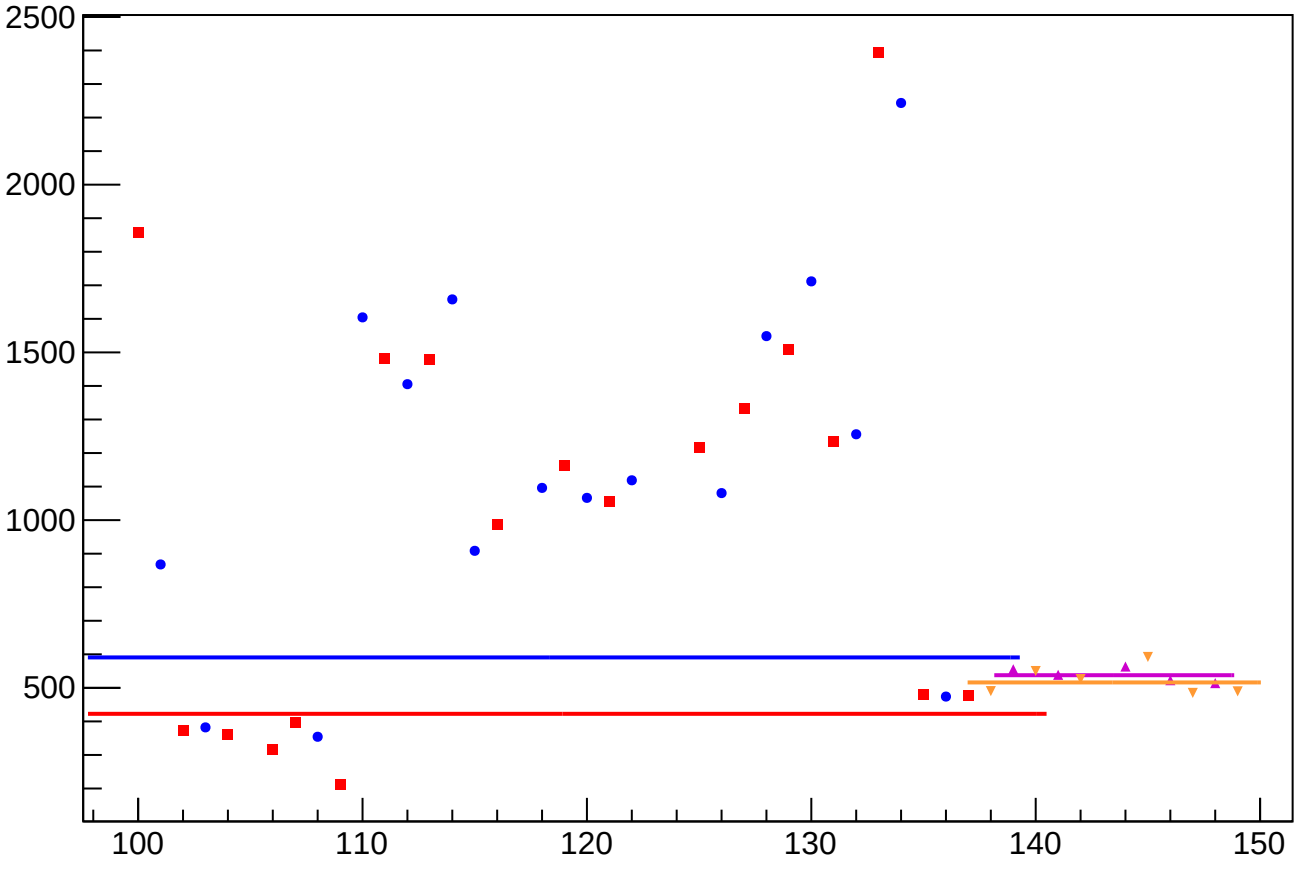
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 42.387+/-183.452 χ^2/NDF:23.0/20

Out: -142.630+/-152.716 χ^2/NDF:28.4/23

All: -66.897+/-117.370 χ^2/NDF: 52.0/44

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: 516.181+/-0.172 χ^2/NDF:49370.3/5

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 537.745+/-0.183 χ^2/NDF:10435.3/4

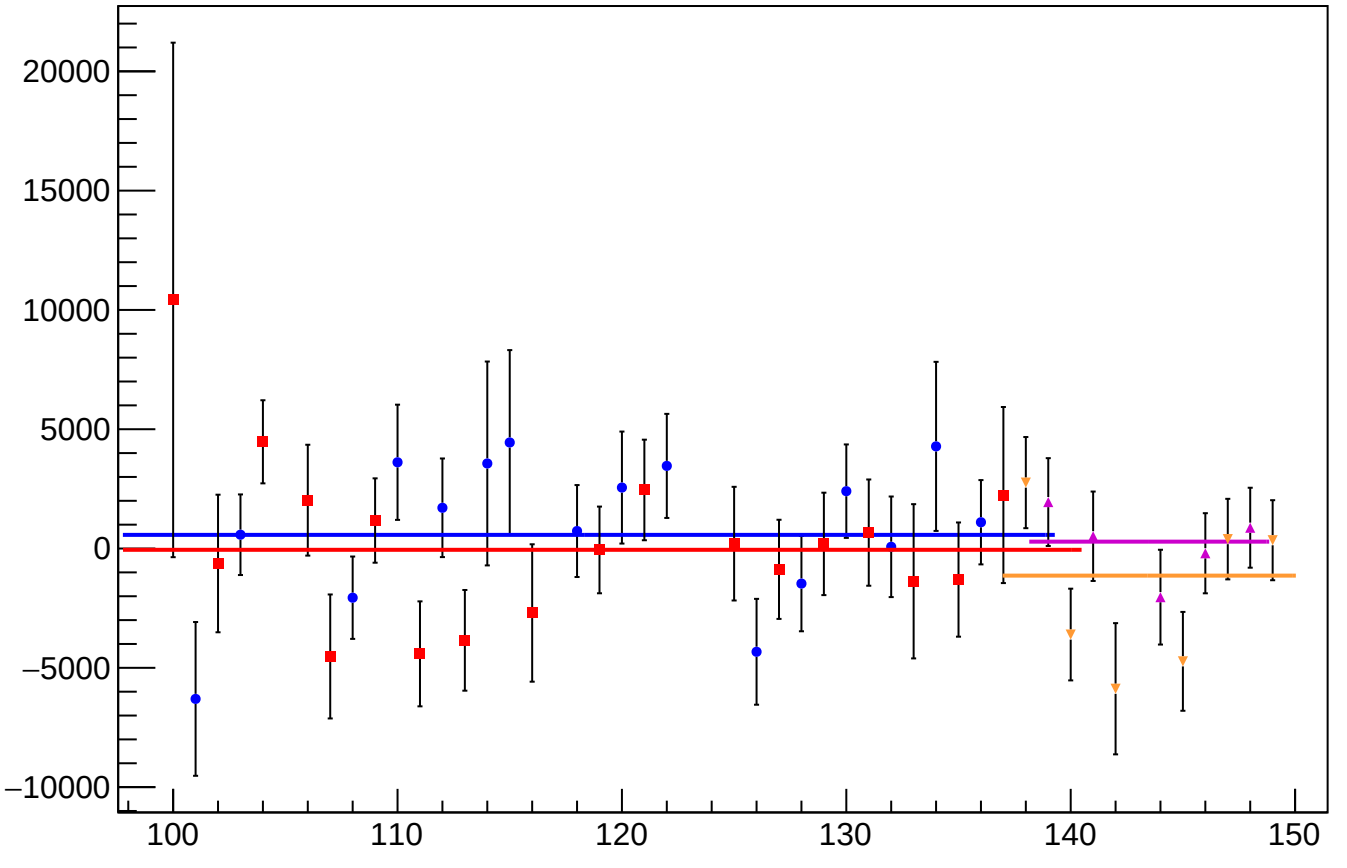
Left: 526.337+/-0.125 χ^2/NDF: 67176.9/10

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 564.024+/-0.130 χ^2/NDF:3937673.9/20

Out: 459.347+/-0.108 χ^2/NDF:5086341.5/23

All: 502.194+/-0.083 χ^2/NDF: 9408640.2/44



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1135.385+/-786.554 χ^2/NDF:13.4/5

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 288.411+/-804.634 χ^2/NDF:2.4/4

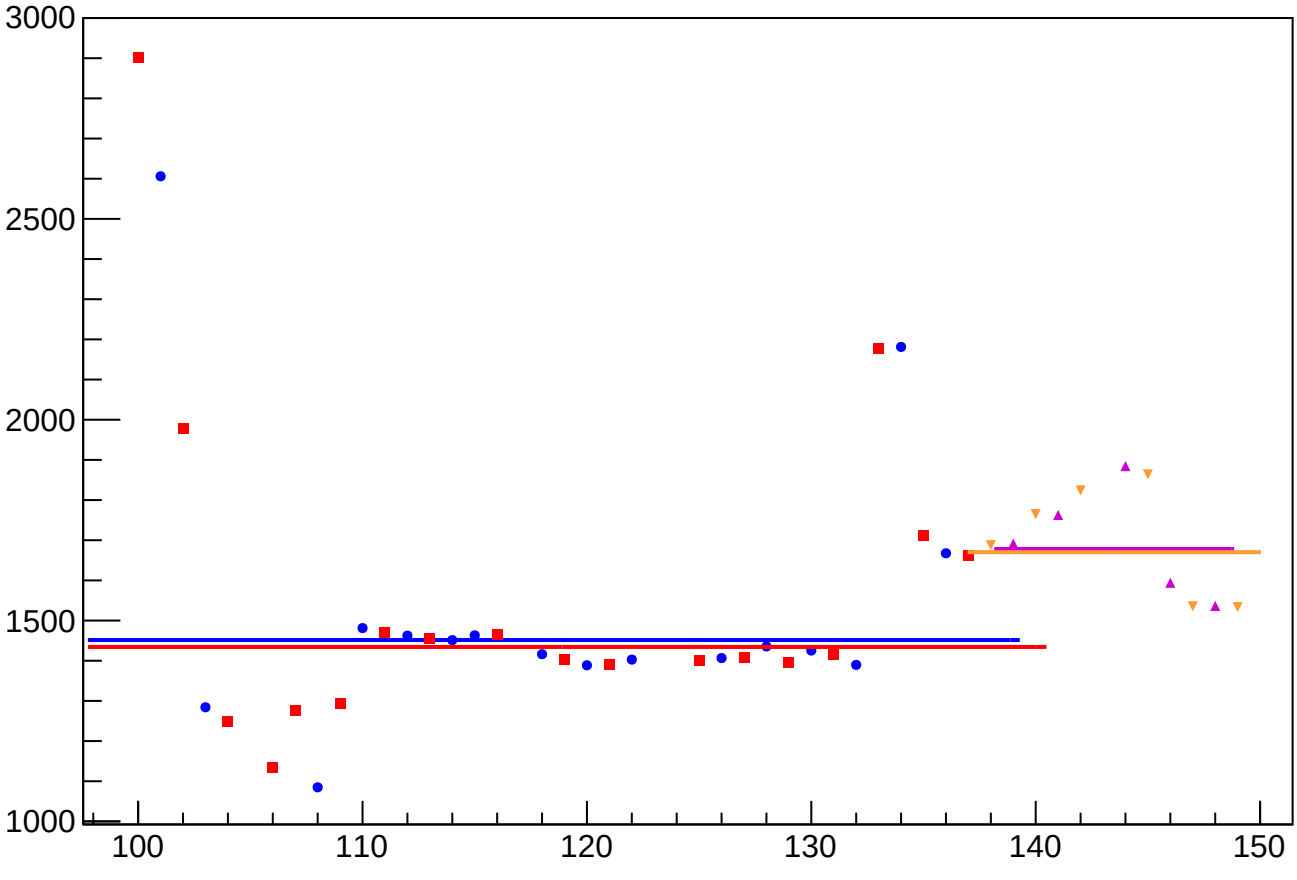
Left: -439.663+/-562.461 χ^2/NDF: 17.4/10

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 481.972+/-453.857 χ^2/NDF:23.3/20

Out: -404.910+/-448.167 χ^2/NDF:37.2/23

All: 32.937+/-318.895 χ^2/NDF: 62.4/44



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1670.182+/-0.556 χ^2/NDF:54819.4/5

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1678.308+/-0.569 χ^2/NDF:45100.6/4

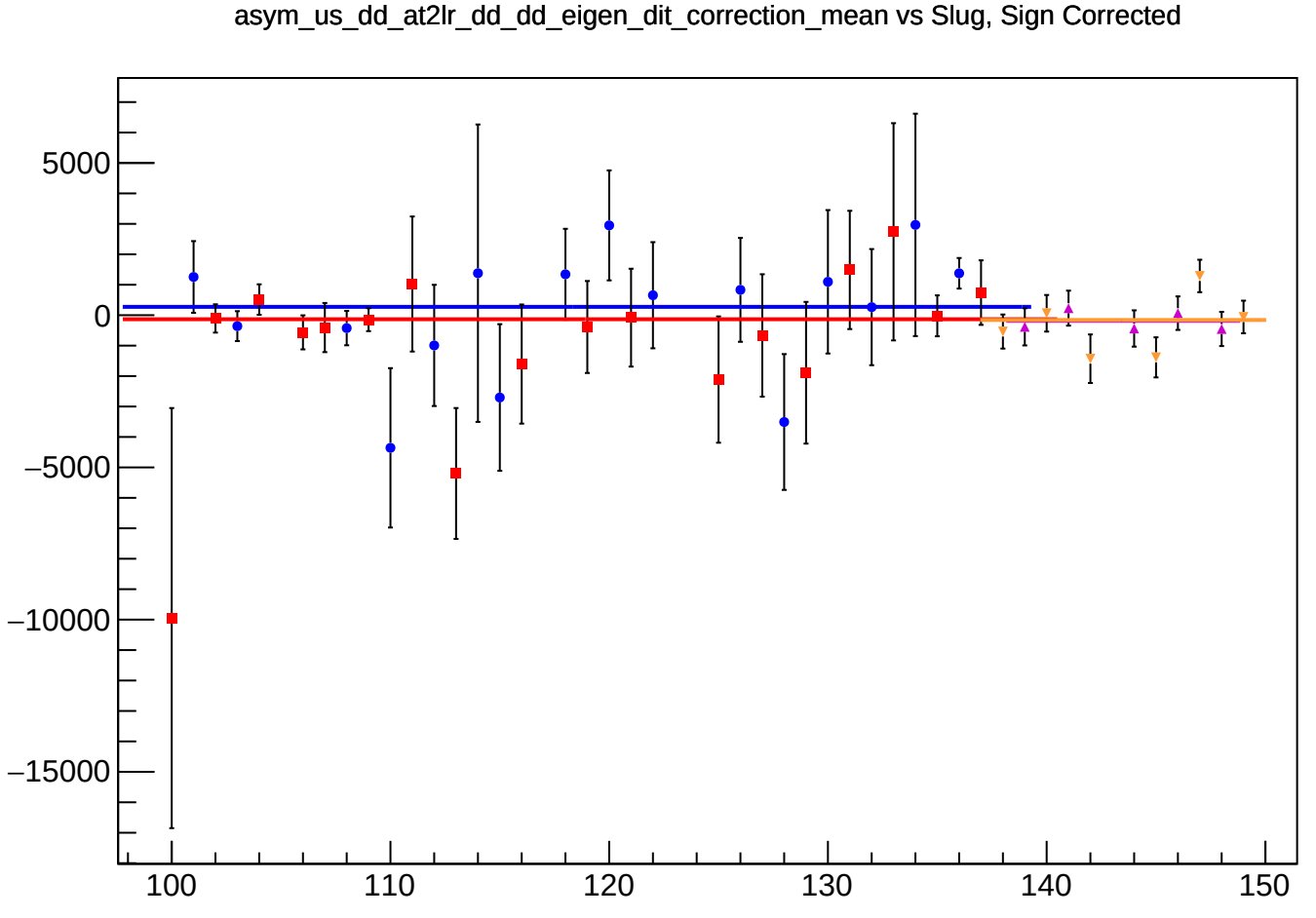
Left: 1674.153+/-0.398 χ^2/NDF: 100024.3/10

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1523.714+/-0.321 χ^2/NDF:641212.6/20

Out: 1510.895+/-0.317 χ^2/NDF:504863.9/23

All: 1517.224+/-0.225 χ^2/NDF: 1146884.3/44



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -158.188+/-243.767 χ^2/NDF:14.0/5

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: -170.731+/-177.303 χ^2/NDF: 15.2/10

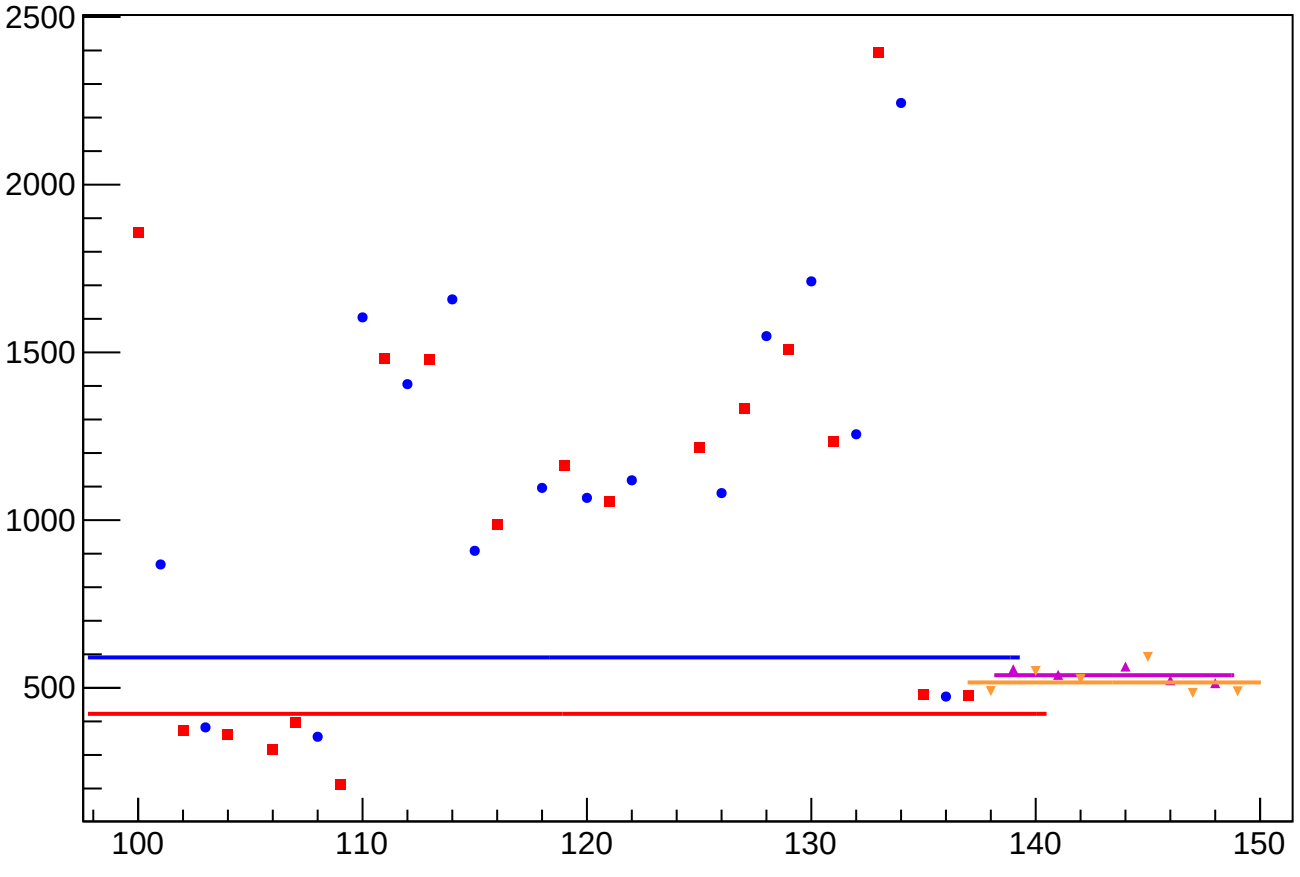
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 42.380+/-183.452 χ^2/NDF:23.0/20

Out: -142.623+/-152.718 χ^2/NDF:28.4/23

All: -66.895+/-117.371 χ^2/NDF: 52.0/44

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: 516.185+/-0.172 χ^2/NDF:49373.0/5

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 537.747+/-0.183 χ^2/NDF:10444.9/4

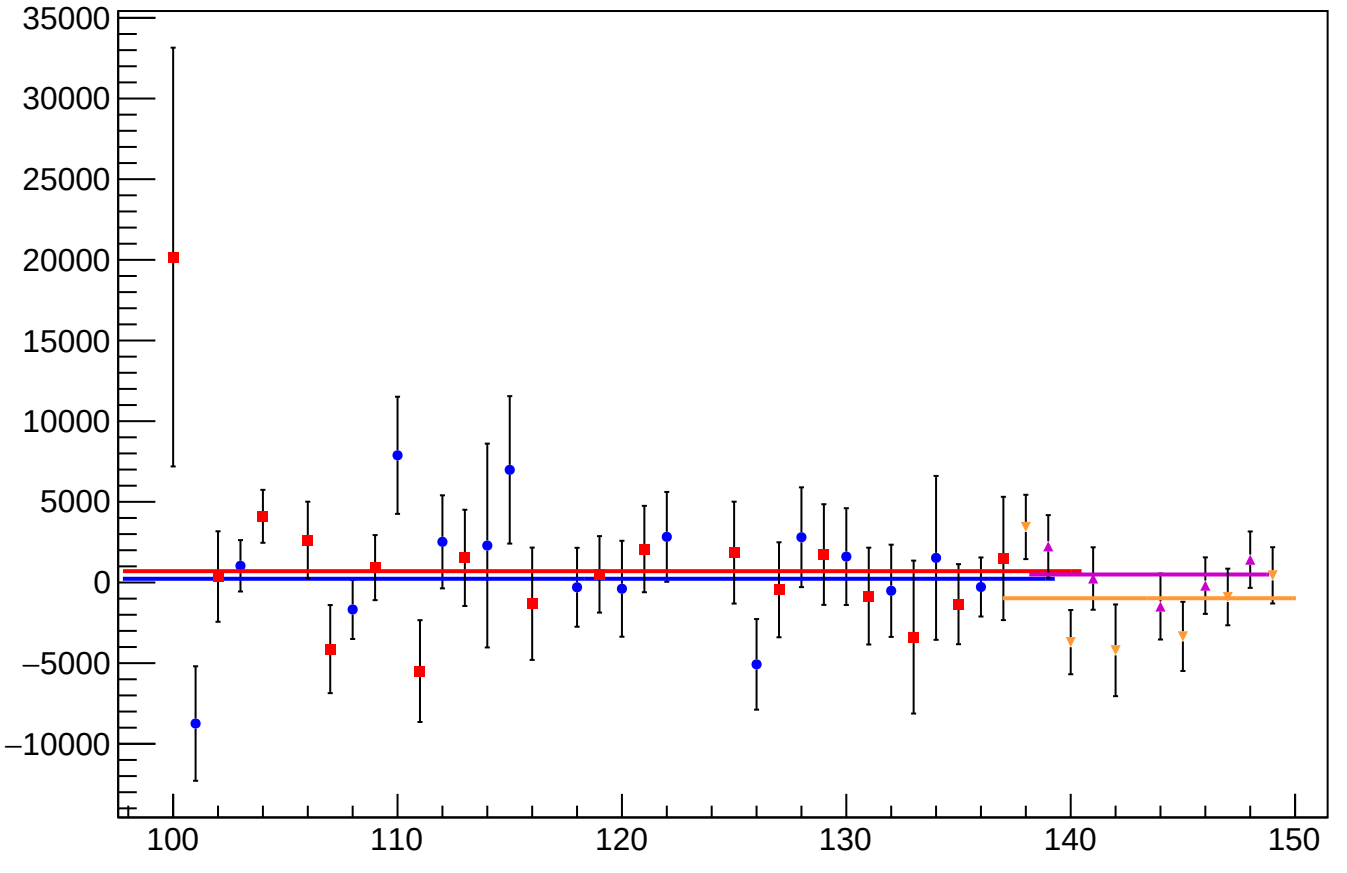
Left: 526.340+/-0.125 χ^2/NDF: 67187.6/10

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 564.024+/-0.130 χ^2/NDF:3937705.4/20

Out: 459.352+/-0.108 χ^2/NDF:5086255.1/23

All: 502.198+/-0.083 χ^2/NDF: 9408547.5/44



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -974.874+/-816.902 χ^2/NDF:9.9/5

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: -257.767+/-584.711 χ^2/NDF: 13.7/10

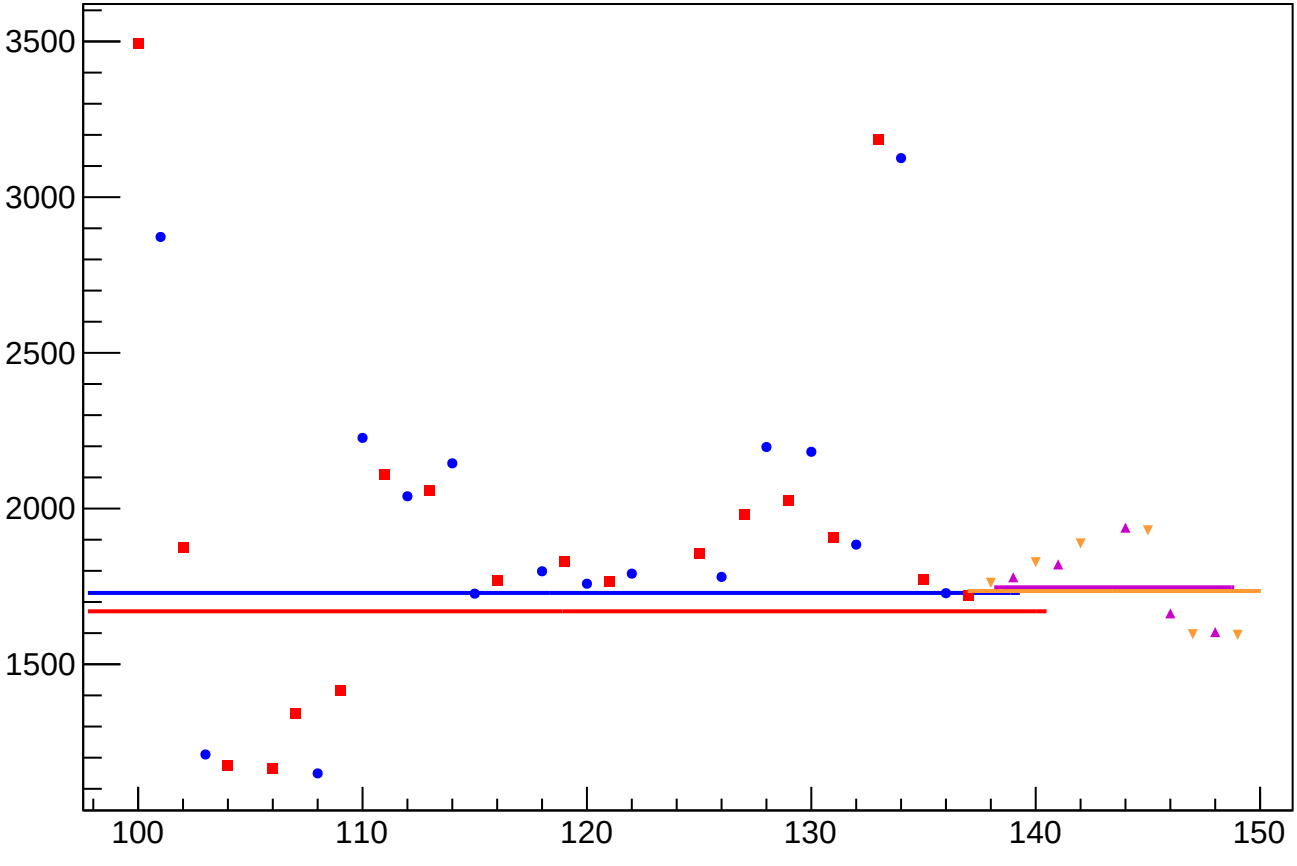
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 333.427+/-521.335 χ^2/NDF:23.0/20

Out: 54.142+/-507.826 χ^2/NDF:29.6/23

All: 190.119+/-363.769 χ^2/NDF: 52.7/44

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: 1735.211+/-0.578 χ^2/NDF:52463.3/5

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: 1740.981+/-0.413 χ^2/NDF: 91755.6/10

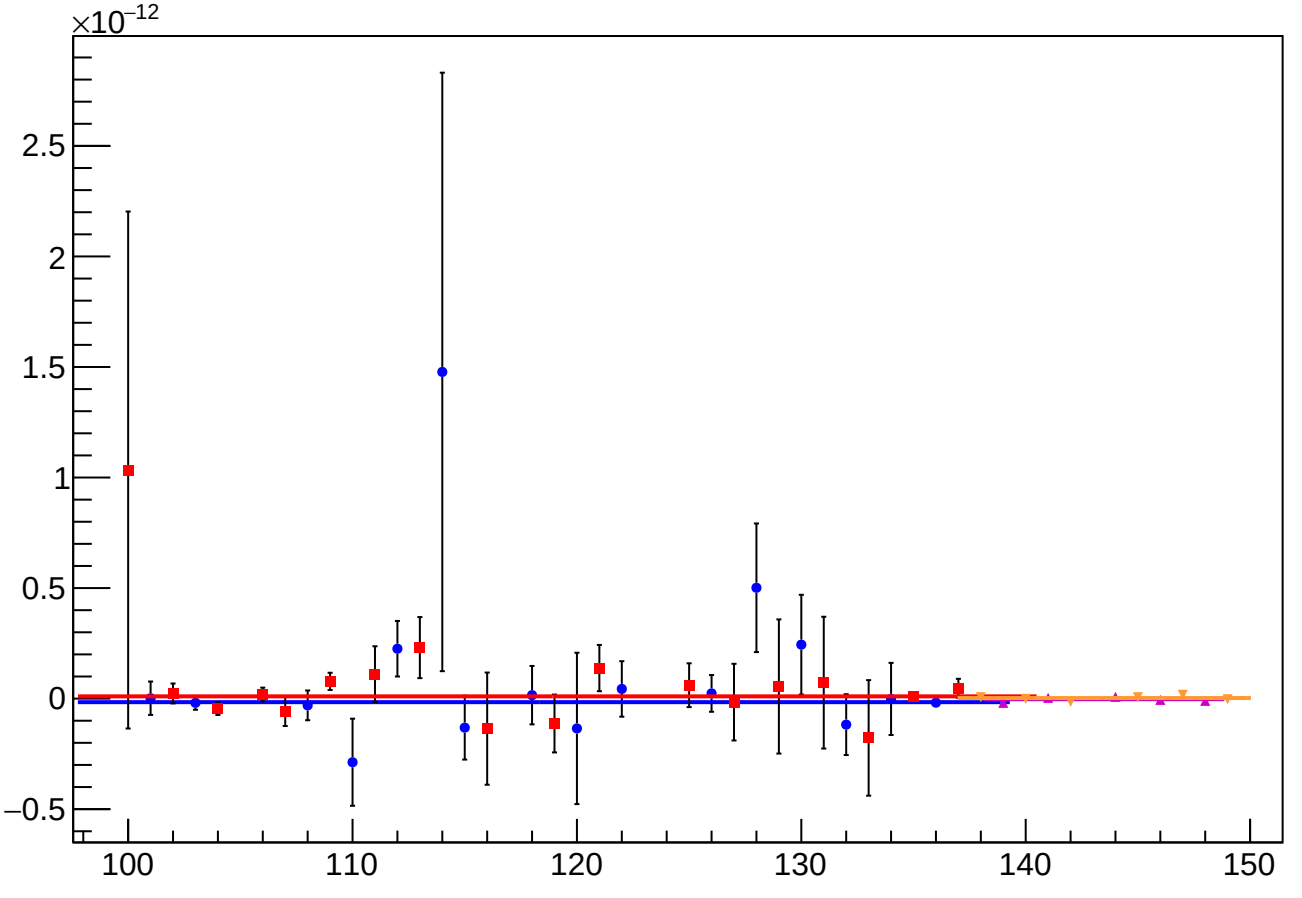
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1736.025+/-0.369 χ^2/NDF:981732.3/20

Out: 1695.235+/-0.359 χ^2/NDF:804721.5/23

All: 1715.095+/-0.257 χ^2/NDF: 1792736.3/44

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/4

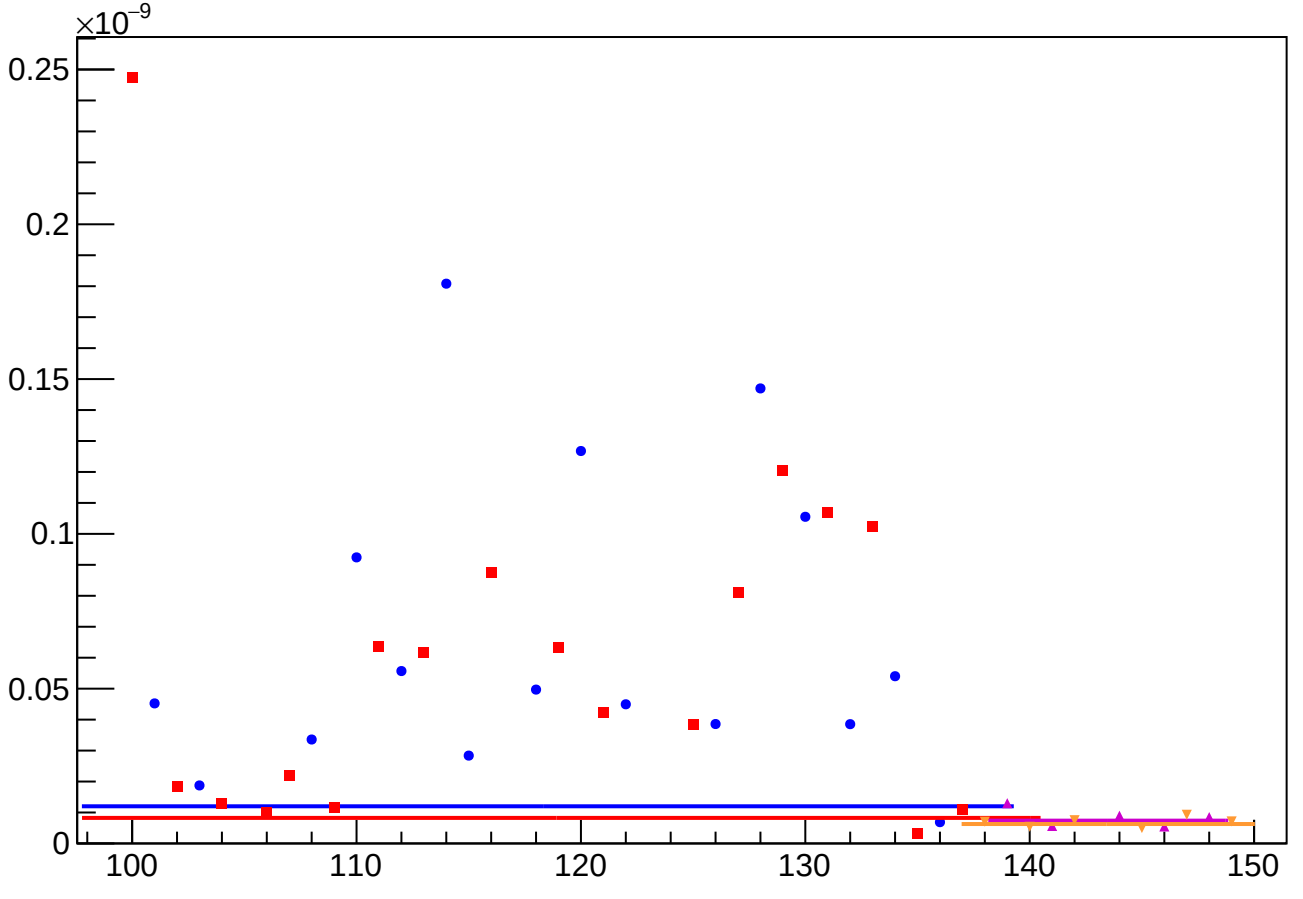
Left: 0.000+/-0.000 χ^2/NDF: 5.1/10

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:19.4/23

All: 0.000+/-0.000 χ^2/NDF: 38.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:147805.7/5

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: 562435.0/10

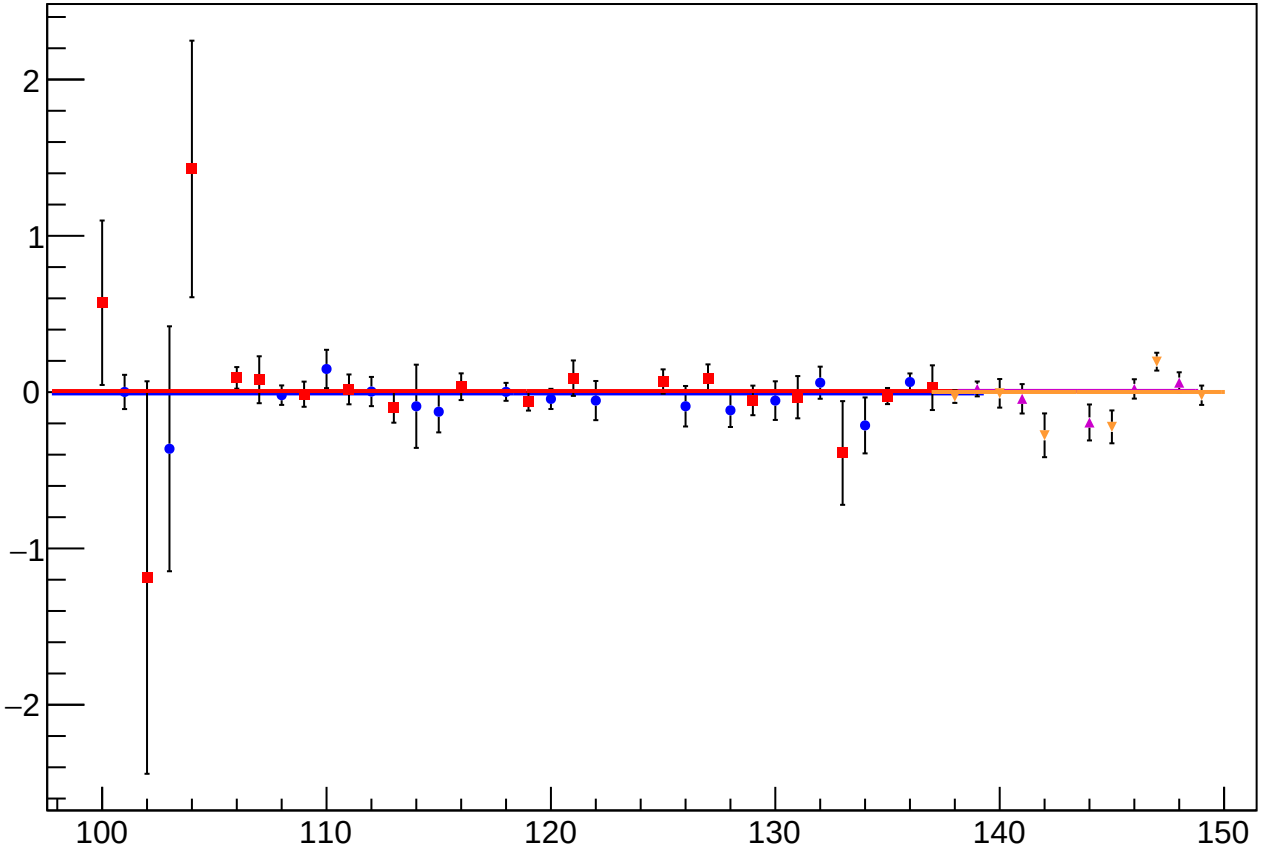
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4113928.0/20

Out: 0.000+/-0.000 χ^2/NDF:3736072.5/23

All: 0.000+/-0.000 χ^2/NDF: 7979162.2/44

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: 0.001+/-0.026 χ^2/NDF:20.7/5

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: 0.004+/-0.020 χ^2/NDF: 24.8/10

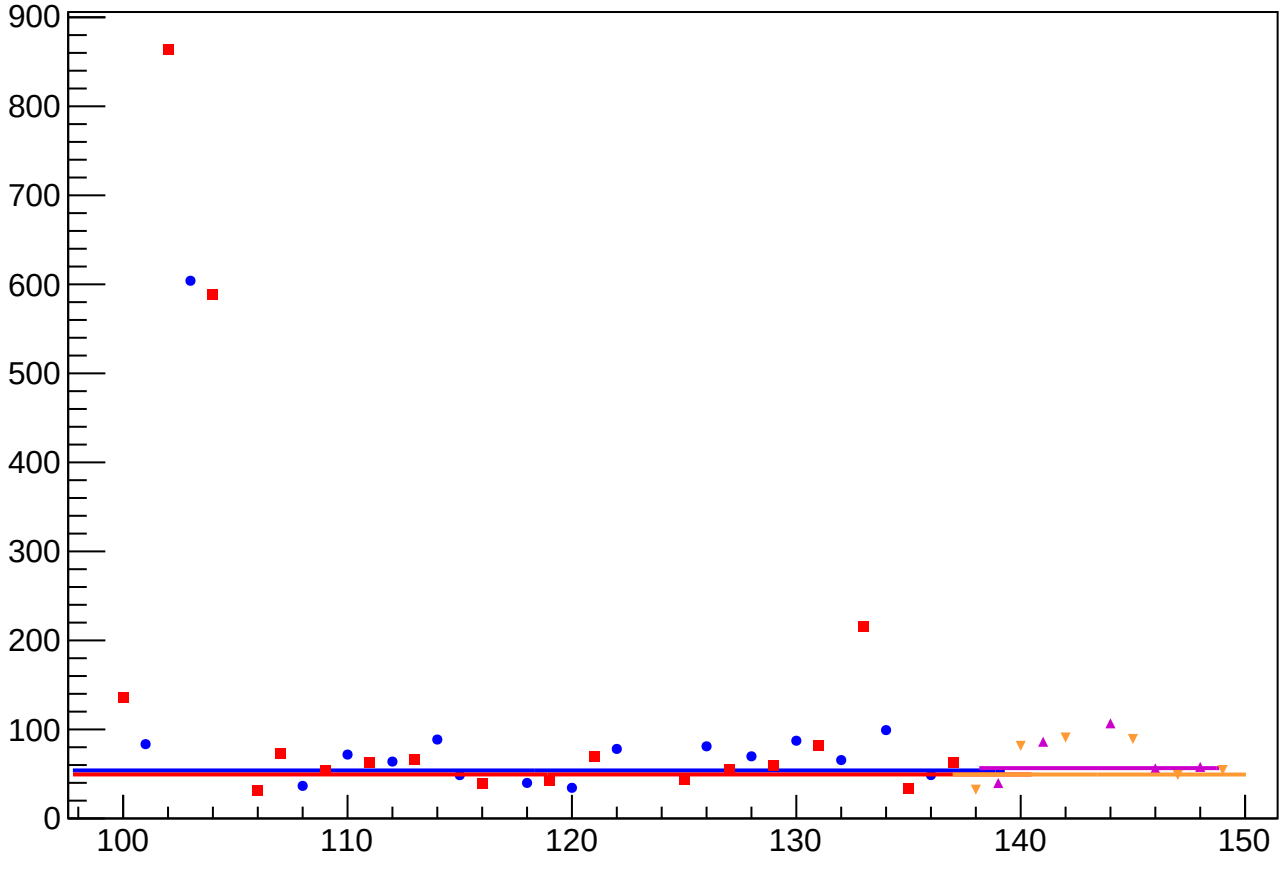
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.005+/-0.017 χ^2/NDF:34.4/23

All: 0.001+/-0.012 χ^2/NDF: 47.1/44

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.347+/-0.019 χ^2/NDF:1090829.4/5

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: 52.472+/-0.014 χ^2/NDF: 1986322.3/10

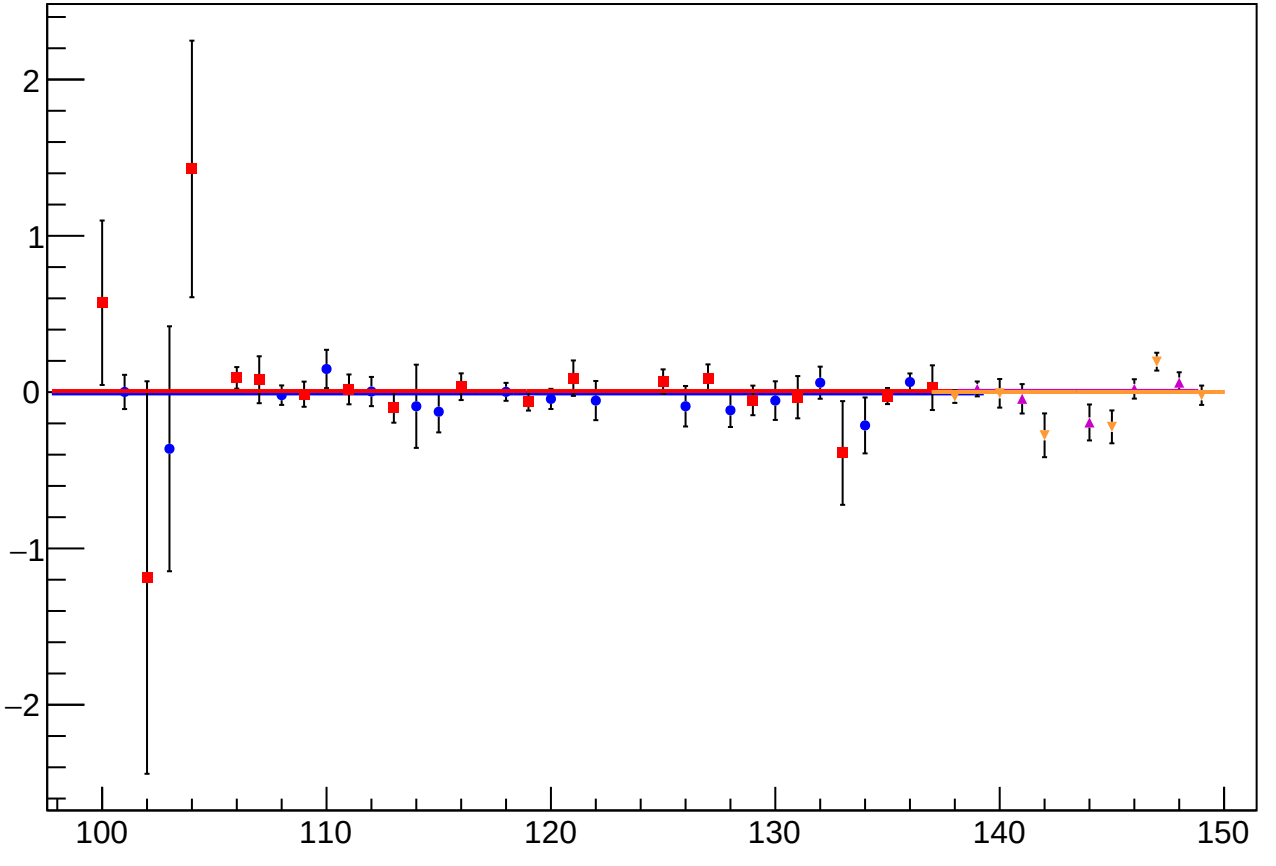
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.904+/-0.013 χ^2/NDF:3053915.4/20

Out: 49.389+/-0.012 χ^2/NDF:4108557.6/23

All: 51.938+/-0.009 χ^2/NDF: 7260343.5/44

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: 0.001+/-0.026 χ^2/NDF:20.7/5

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: 0.004+/-0.020 χ^2/NDF: 24.8/10

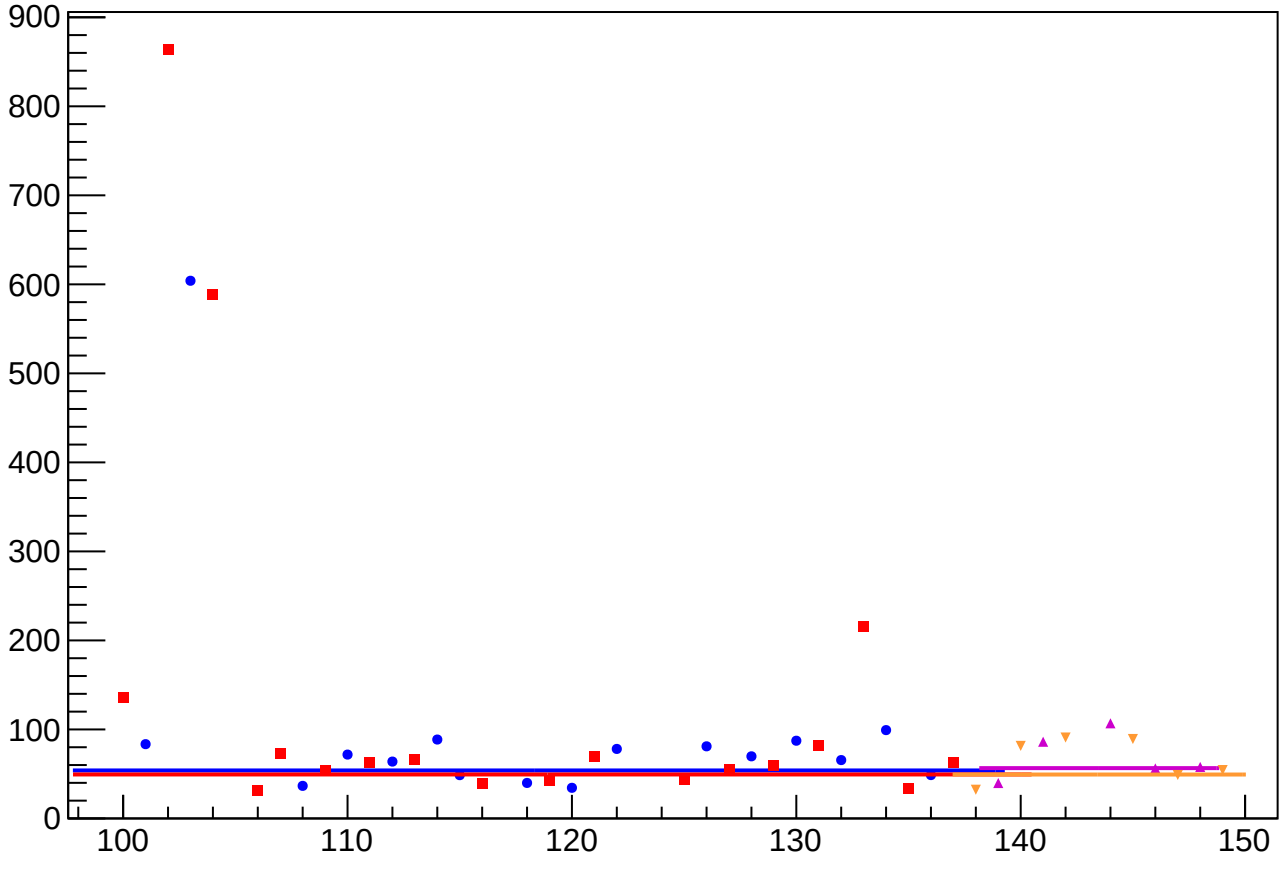
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.005+/-0.017 χ^2/NDF:34.4/23

All: 0.001+/-0.012 χ^2/NDF: 47.1/44

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: 49.347+/-0.019 χ^2/NDF:1090829.4/5

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.542+/-0.021 χ^2/NDF:829981.2/4

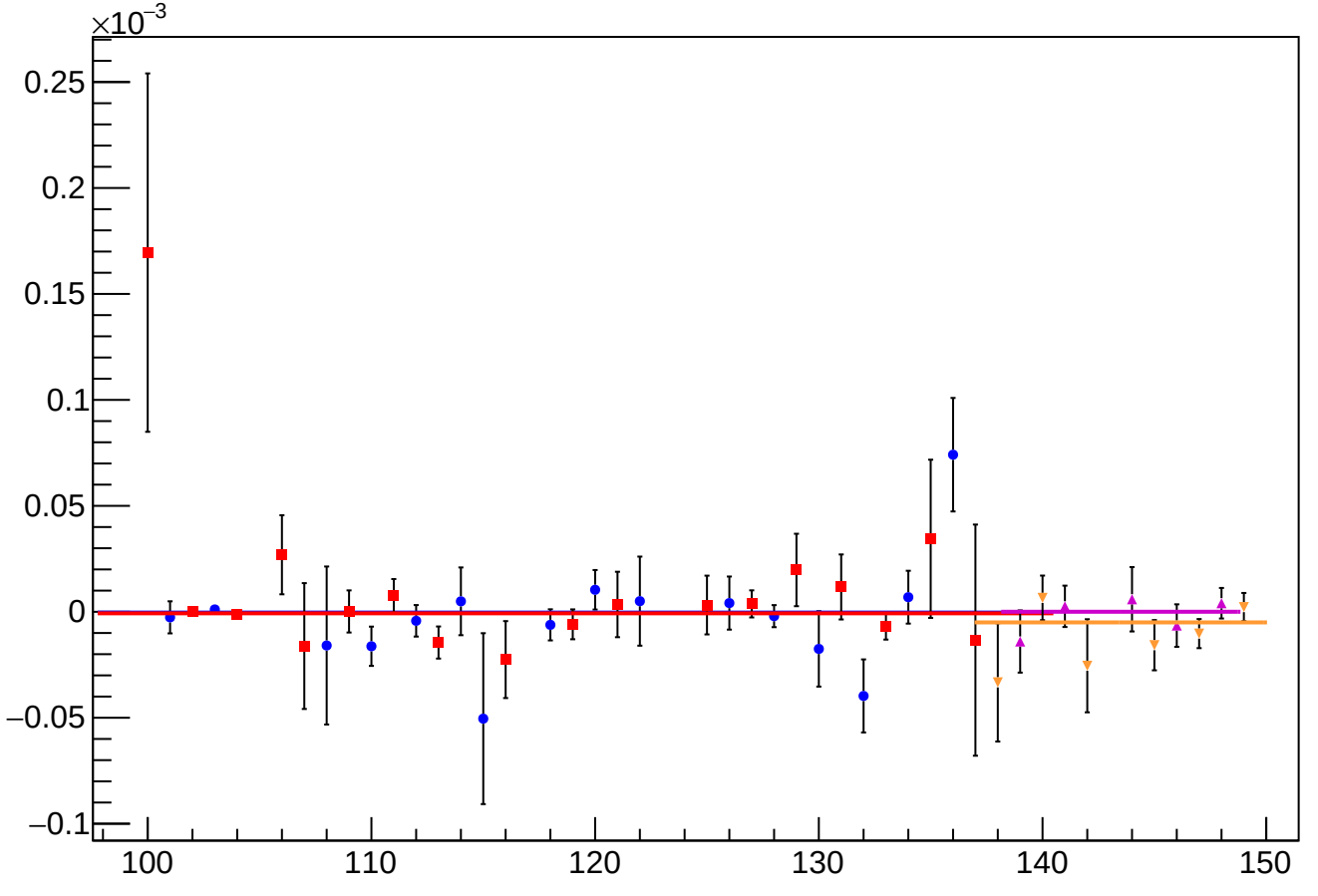
Left: 52.472+/-0.014 χ^2/NDF: 1986322.3/10

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.904+/-0.013 χ^2/NDF:3053915.4/20

Out: 49.389+/-0.012 χ^2/NDF:4108557.6/23

All: 51.938+/-0.009 χ^2/NDF: 7260343.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

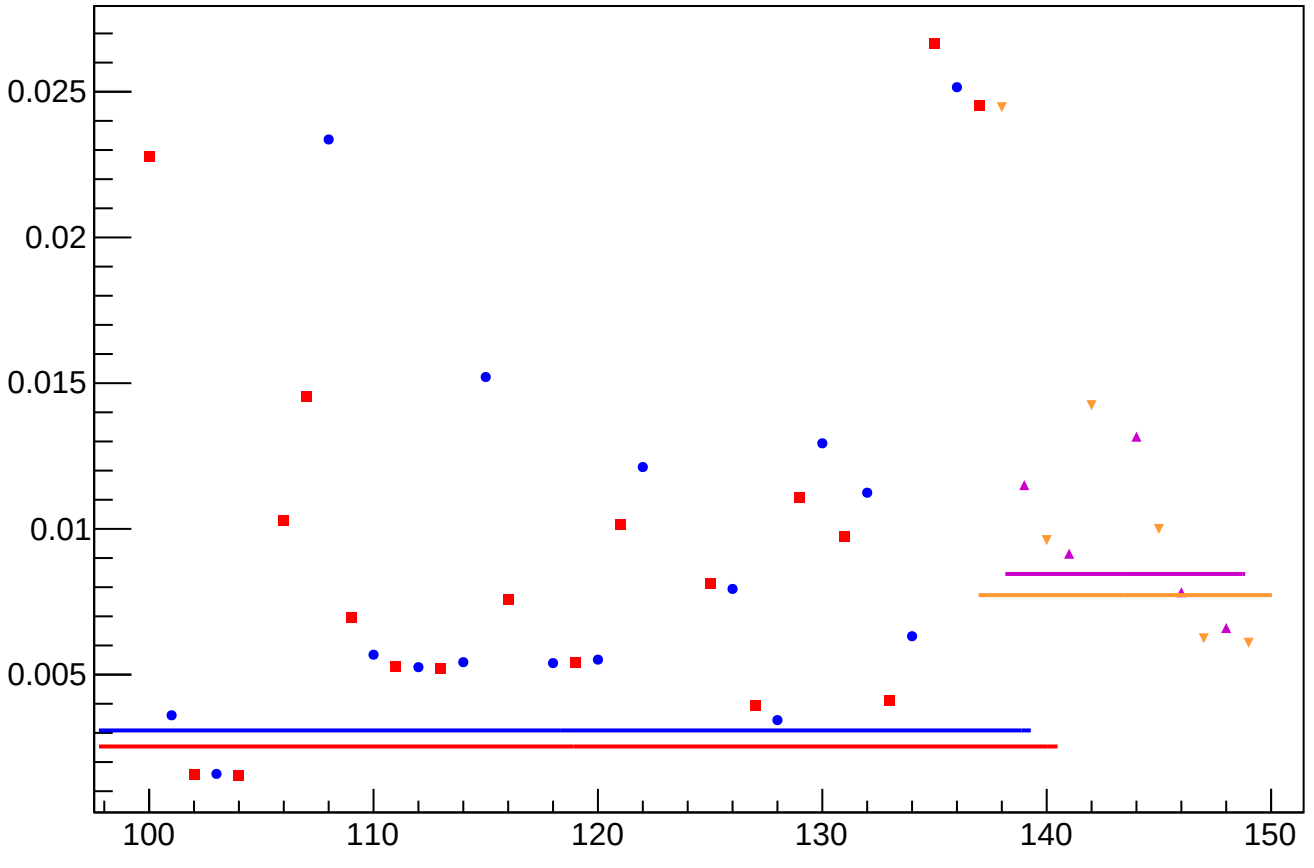
Left: -0.000+/-0.000 χ^2/NDF: 8.3/10

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:24.6/23

All: -0.000+/-0.000 χ^2/NDF: 48.7/44



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1245872.0/5

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: 0.008+/-0.000 χ^2/NDF: 1703962.5/10

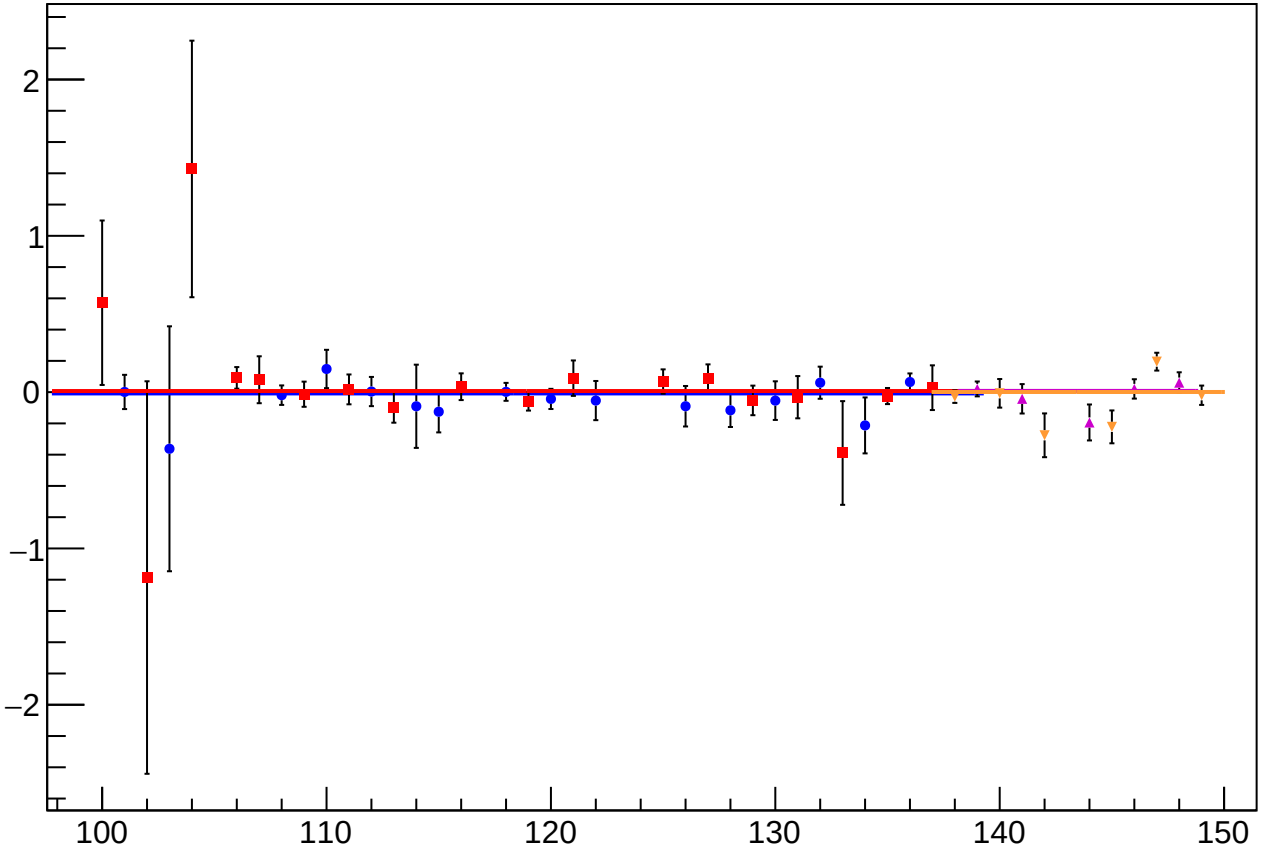
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:8695856.7/20

Out: 0.003+/-0.000 χ^2/NDF:10576609.5/23

All: 0.003+/-0.000 χ^2/NDF: 19515853.8/44

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: 0.001+/-0.026 χ^2/NDF:20.7/5

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: 0.004+/-0.020 χ^2/NDF: 24.8/10

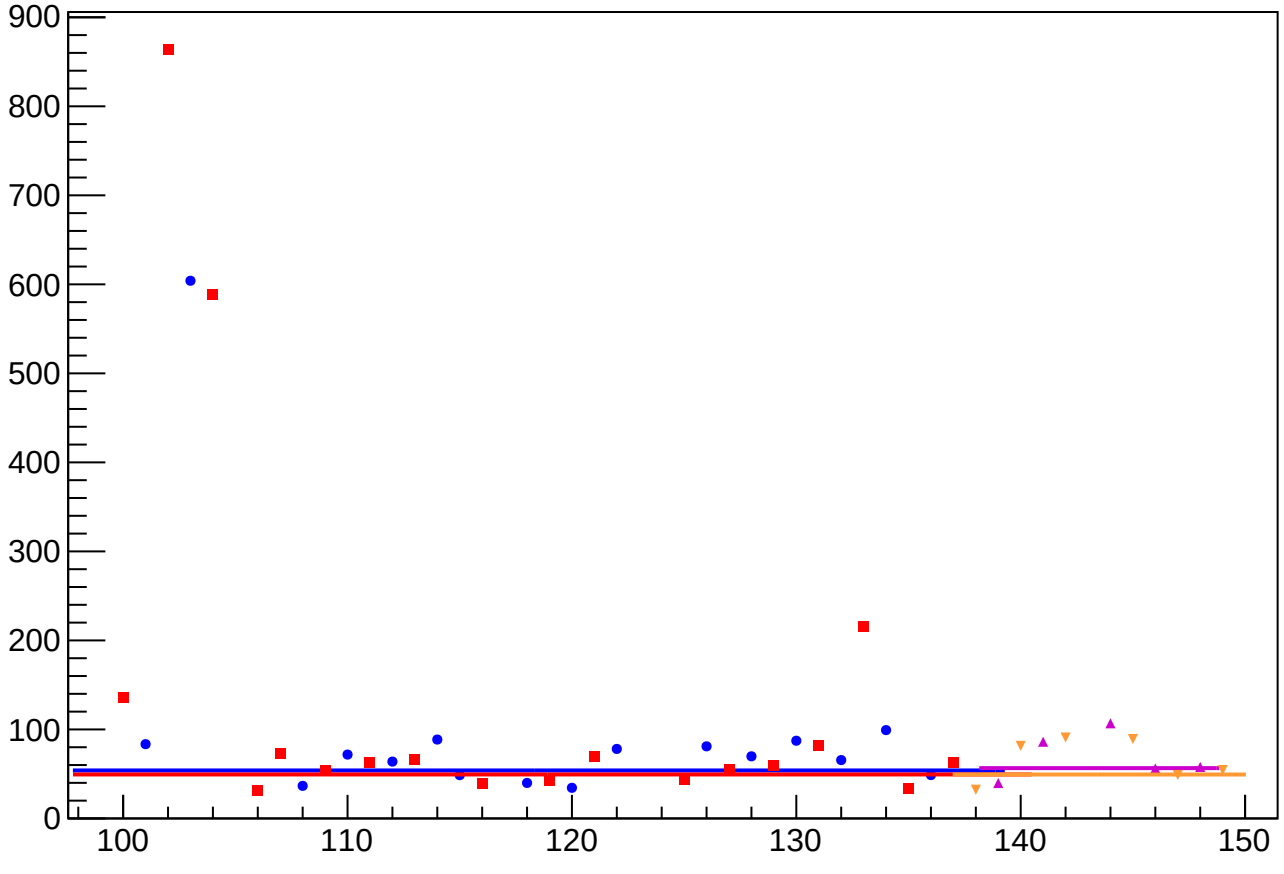
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.005+/-0.017 χ^2/NDF:34.4/23

All: 0.001+/-0.012 χ^2/NDF: 47.1/44

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: 49.351+/-0.019 χ^2/NDF:1090283.4/5

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: 52.474+/-0.014 χ^2/NDF: 1985682.3/10

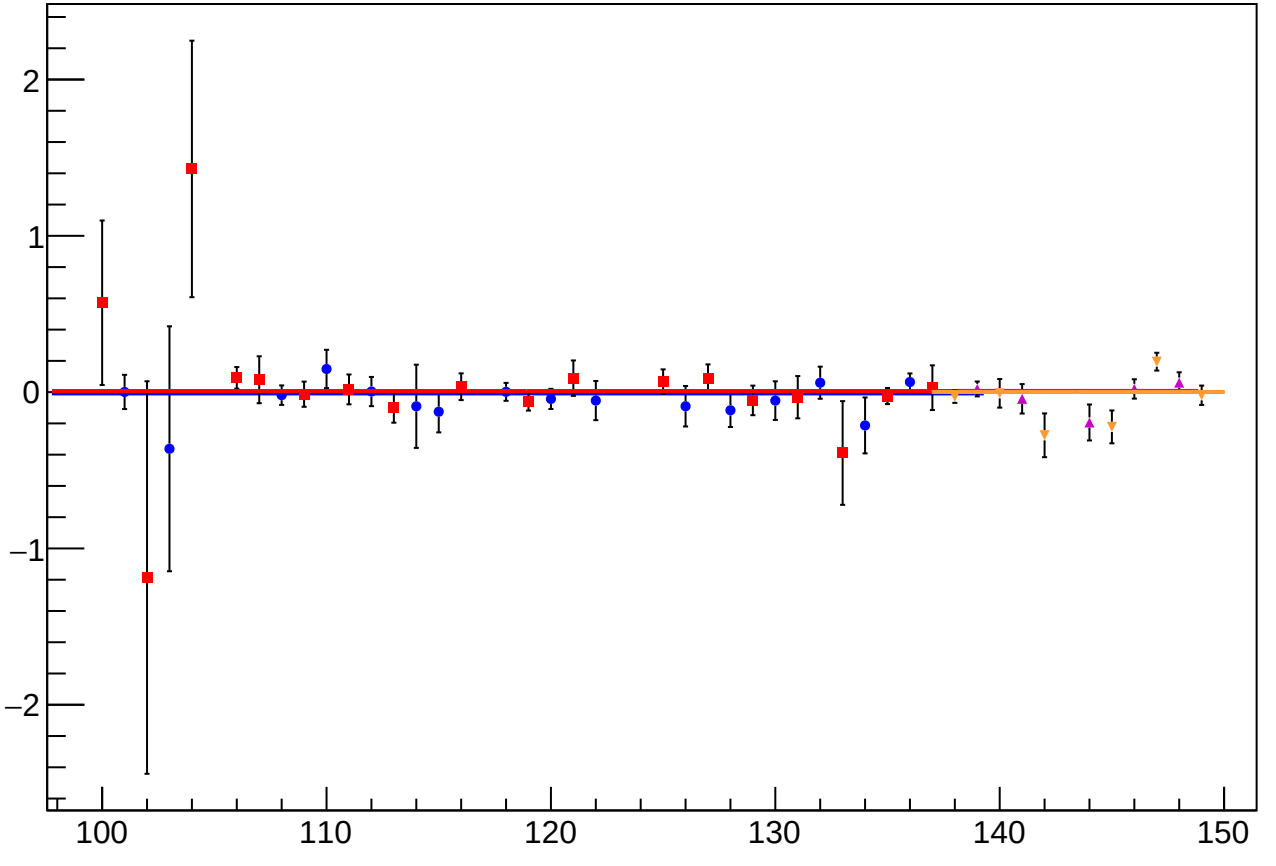
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.906+/-0.013 χ^2/NDF:3053487.9/20

Out: 49.392+/-0.012 χ^2/NDF:4107732.1/23

All: 51.940+/-0.009 χ^2/NDF: 7259044.6/44

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: 0.001+/-0.026 χ^2/NDF:20.7/5

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.030 χ^2/NDF:4.1/4

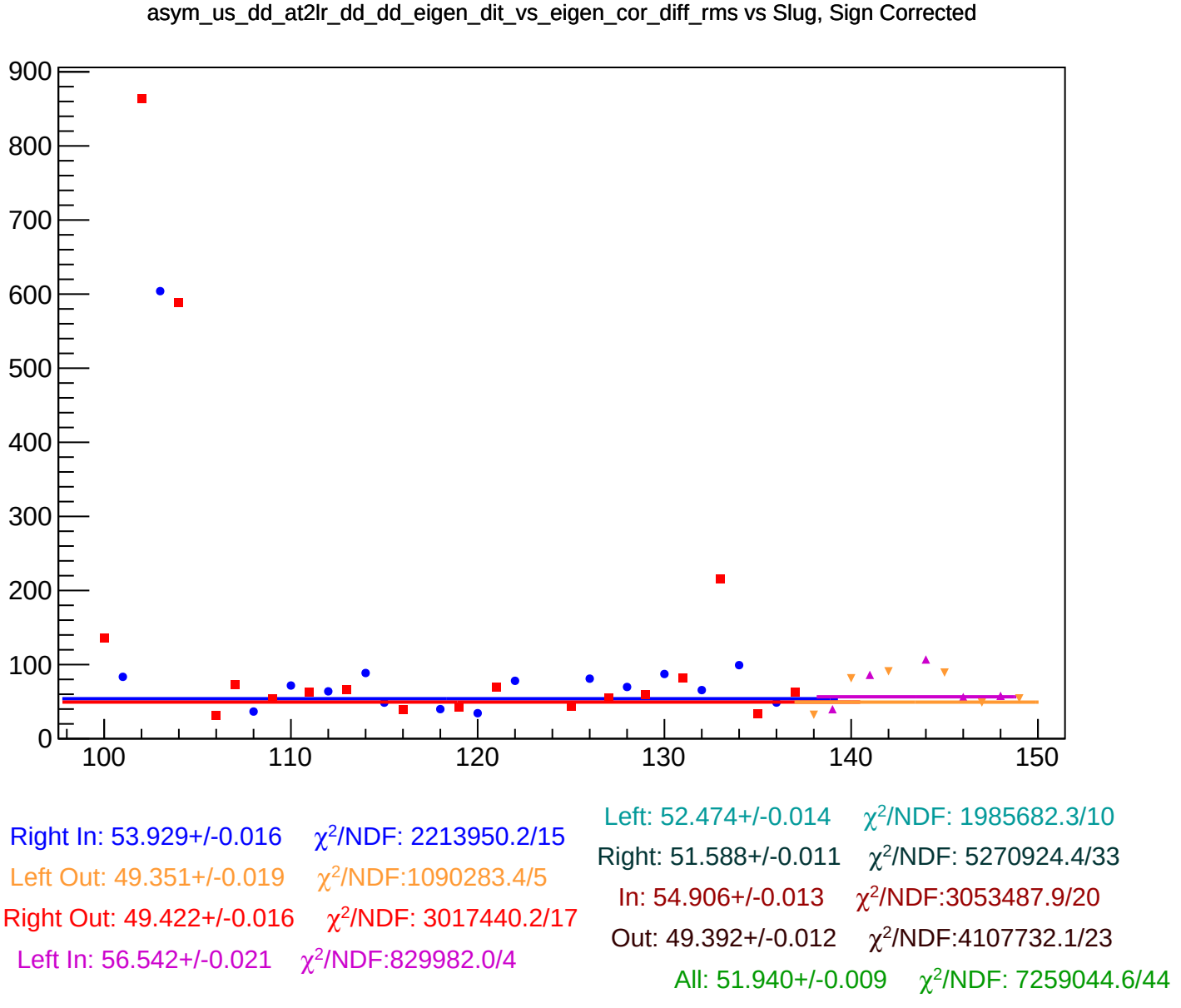
Left: 0.004+/-0.020 χ^2/NDF: 24.8/10

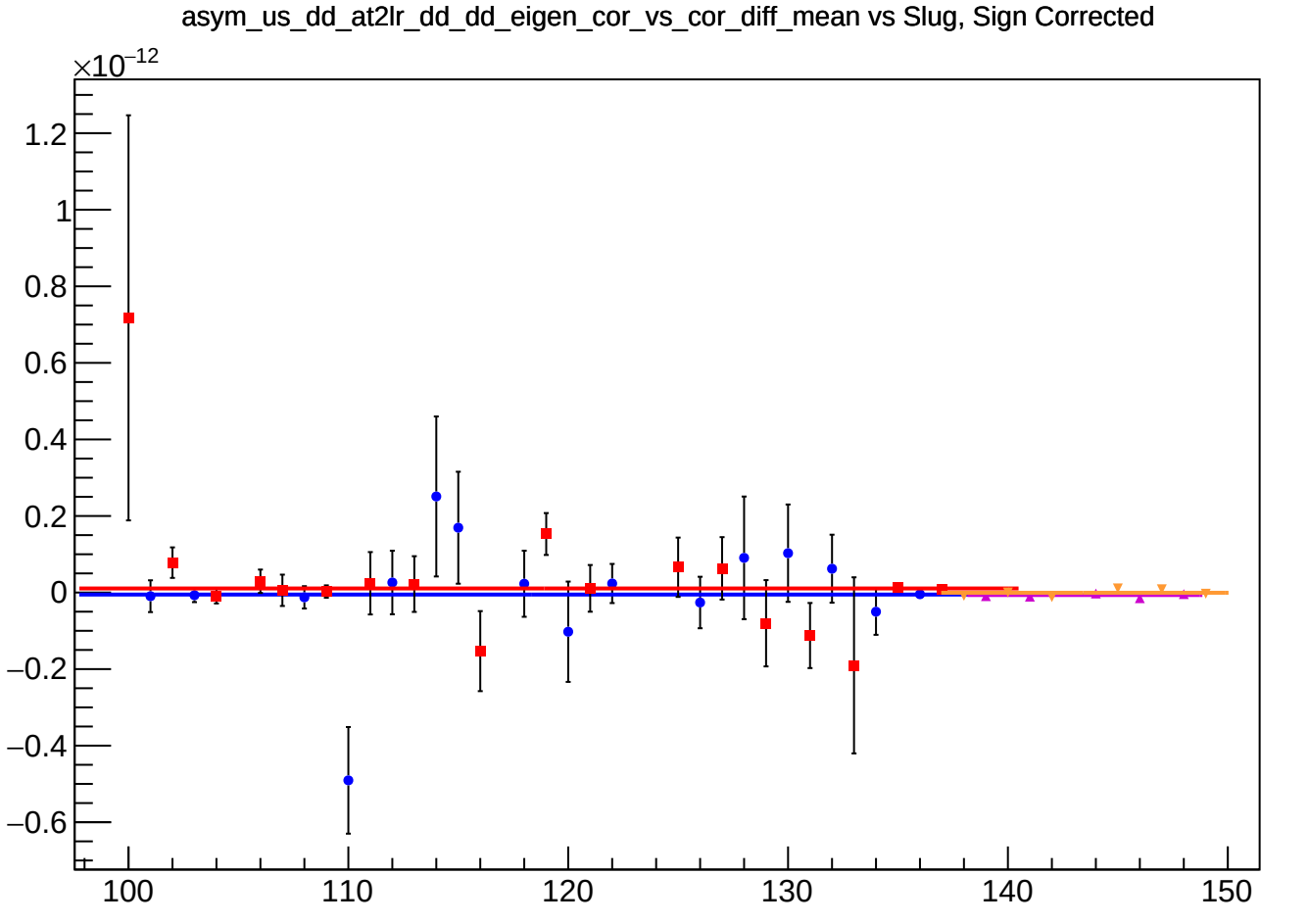
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

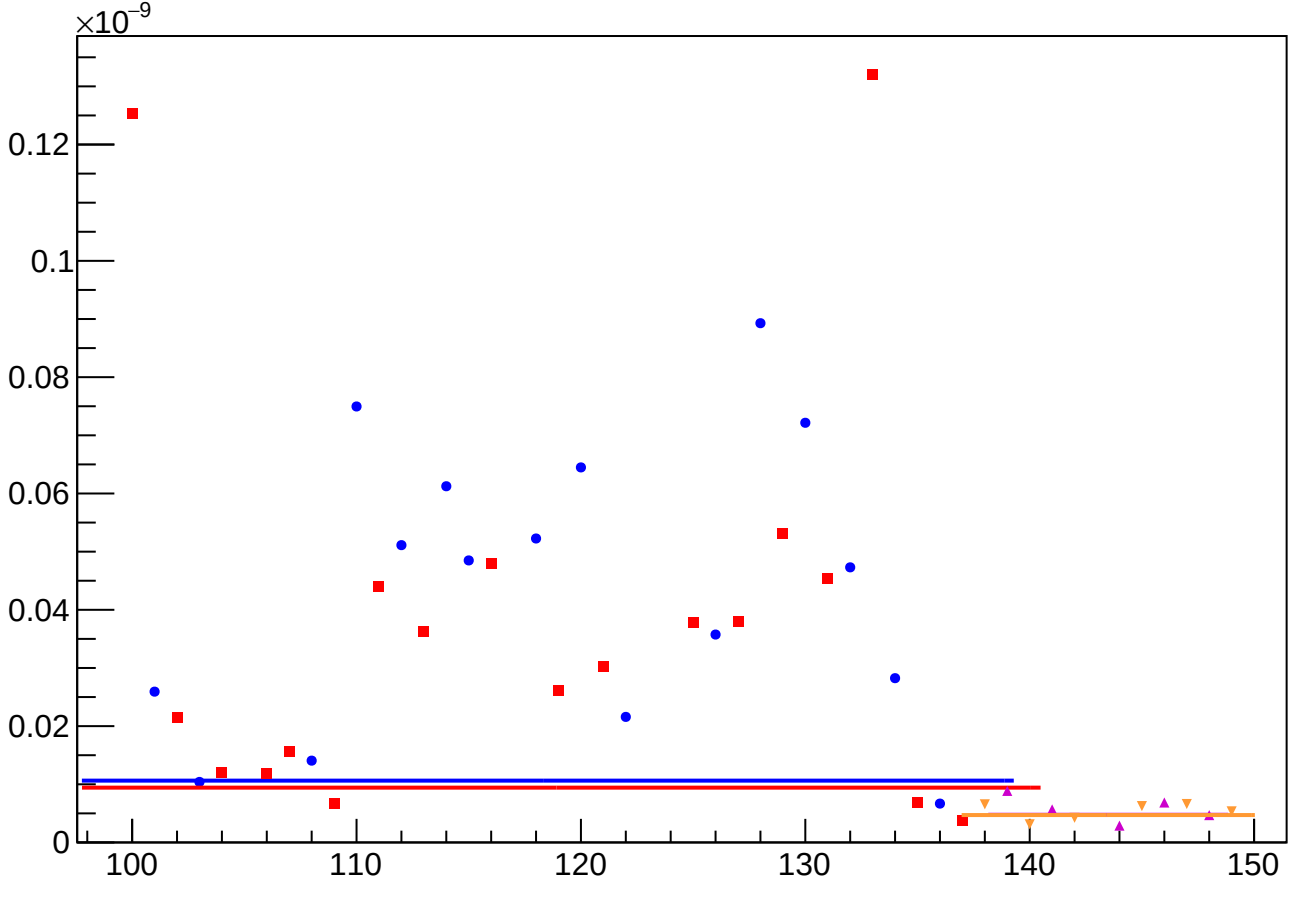
In: -0.002+/-0.018 χ^2/NDF:12.6/20

Out: 0.005+/-0.017 χ^2/NDF:34.4/23

All: 0.001+/-0.012 χ^2/NDF: 47.1/44


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 53.929+/-0.016 χ2/NDF: 2213950.2/15
Left Out: 49.351+/-0.019 χ2/NDF:1090283.4/5
Right Out: 49.422+/-0.016 χ2/NDF: 3017440.2/17
Left In: 56.542+/-0.021 χ2/NDF:829982.0/4
Left: 52.474+/-0.014 χ2/NDF: 1985682.3/10
Right: 51.588+/-0.011 χ2/NDF: 5270924.4/33
In: 54.906+/-0.013 χ2/NDF:3053487.9/20
Out: 49.392+/-0.012 χ2/NDF:4107732.1/23
All: 51.940+/-0.009 χ2/NDF: 7259044.6/44


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:5.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:2.1/4
Left: -0.000+/-0.000 χ²/NDF: 9.9/10
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:20.7/20
Out: 0.000+/-0.000 χ²/NDF:28.4/23
All: -0.000+/-0.000 χ²/NDF: 53.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:508867.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:711127.3/4

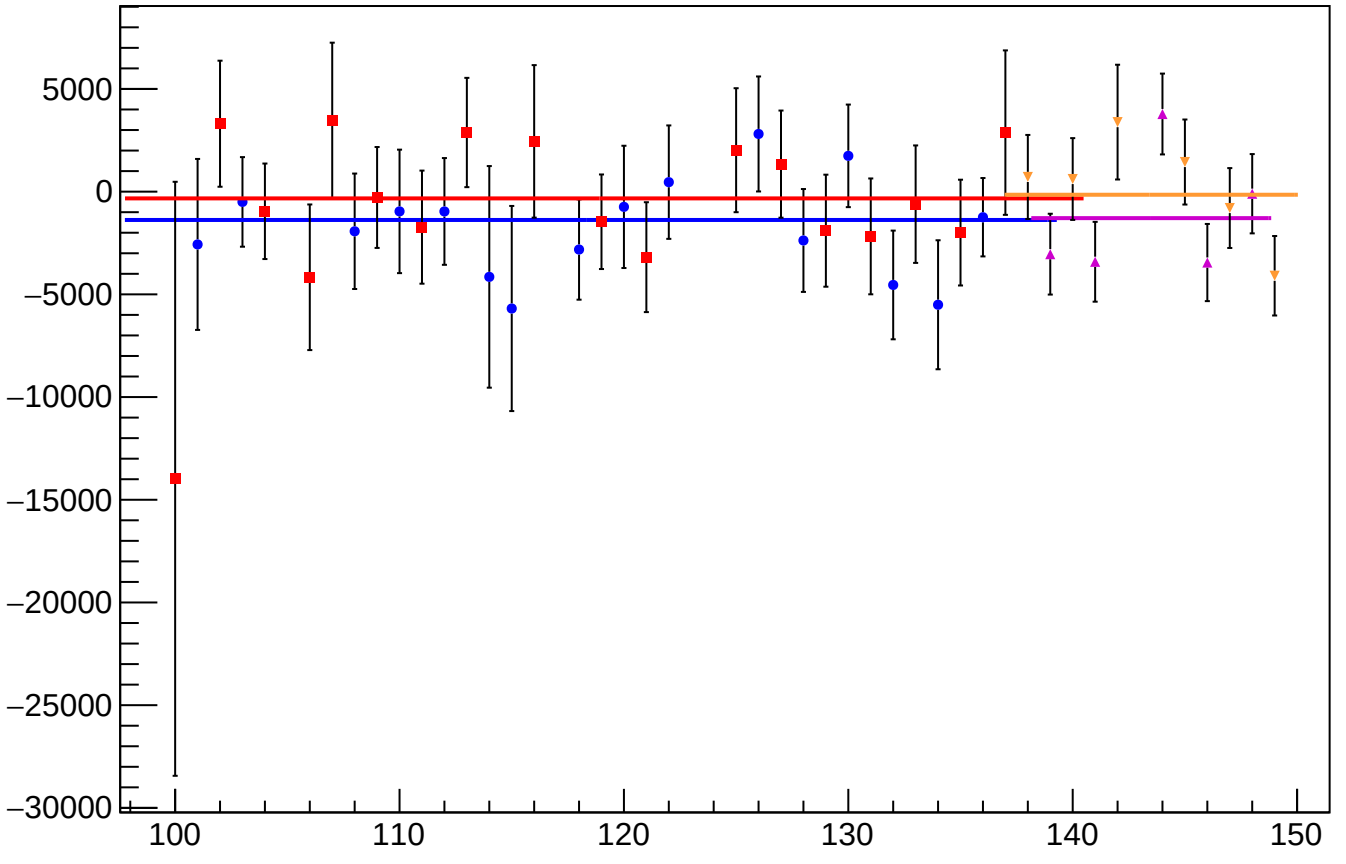
Left: 0.000+/-0.000 χ^2/NDF: 1220282.8/10

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:5427089.9/23

All: 0.000+/-0.000 χ^2/NDF: 11922908.2/44



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -150.685+/-849.882 χ^2/NDF:6.8/5

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1289.448+/-866.032 χ^2/NDF:10.3/4

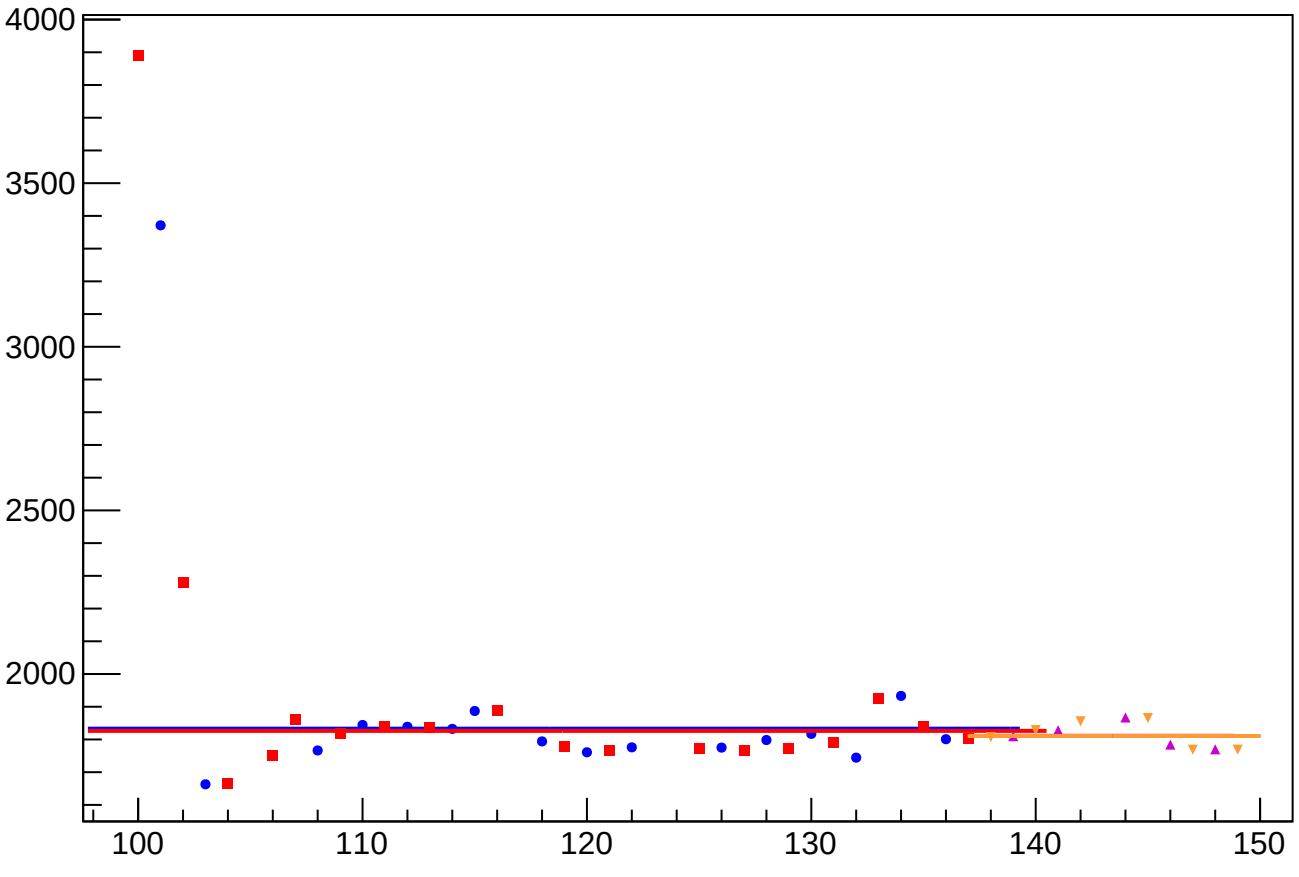
Left: -709.349+/-606.587 χ^2/NDF: 18.0/10

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1344.139+/-539.193 χ^2/NDF:19.6/20

Out: -258.777+/-532.807 χ^2/NDF:17.9/23

All: -794.993+/-378.989 χ^2/NDF: 39.5/44



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1810.580+/-0.601 χ^2/NDF:3954.4/5

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: 1810.863+/-0.429 χ^2/NDF: 7054.9/10

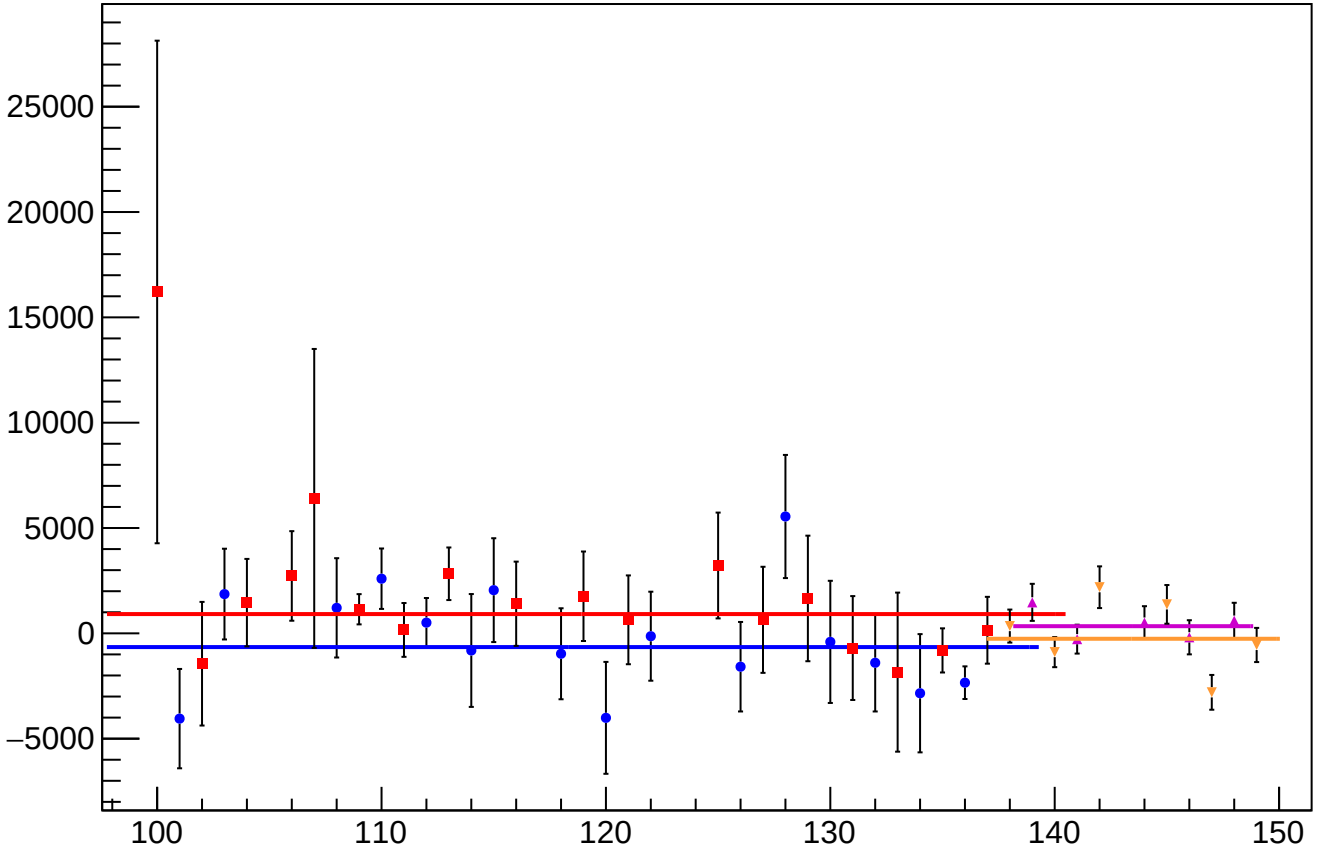
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1824.500+/-0.381 χ^2/NDF:299314.8/20

Out: 1820.066+/-0.377 χ^2/NDF:107371.4/23

All: 1822.256+/-0.268 χ^2/NDF: 406754.7/44

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -257.567+/-337.604 χ^2/NDF:20.3/5

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: 26.944+/-244.314 χ^2/NDF: 24.8/10

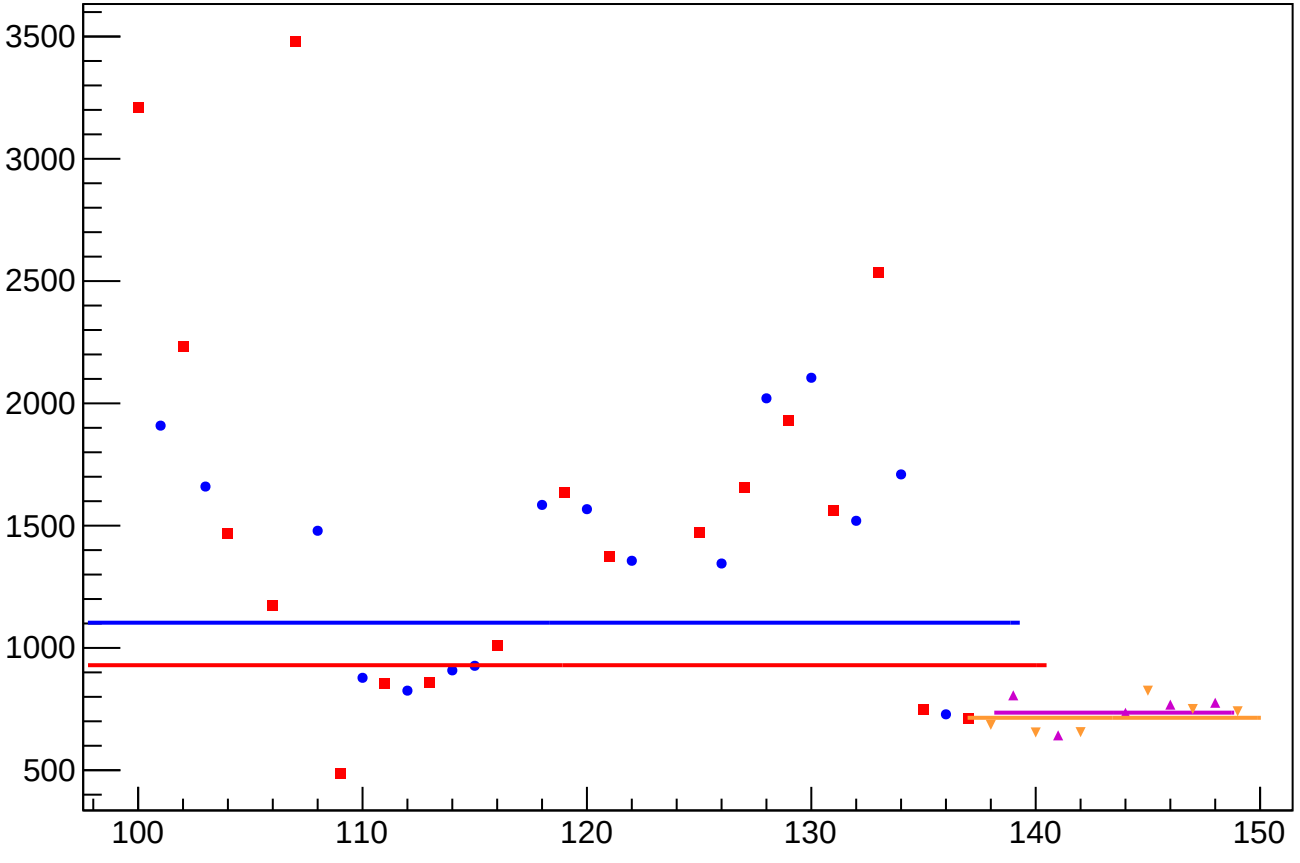
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -47.636+/-276.340 χ^2/NDF:29.3/20

Out: 239.584+/-256.204 χ^2/NDF:36.9/23

All: 106.819+/-187.879 χ^2/NDF: 66.8/44

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: 714.348+/-0.239 χ^2/NDF:58870.9/5

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 735.369+/-0.250 χ^2/NDF:57405.0/4

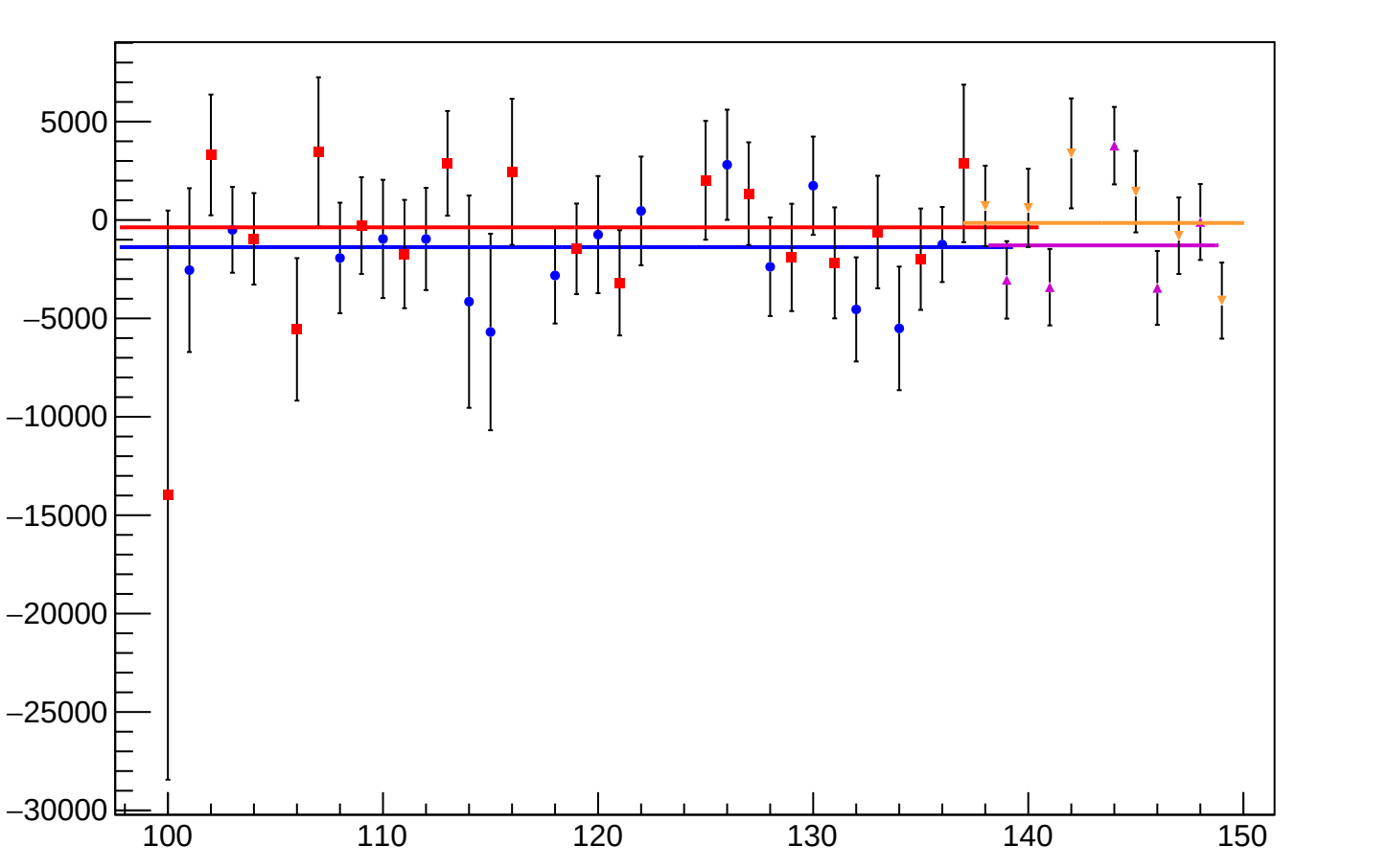
Left: 724.361+/-0.173 χ^2/NDF: 119969.0/10

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 879.052+/-0.195 χ^2/NDF:2779016.5/20

Out: 805.531+/-0.181 χ^2/NDF:3456980.2/23

All: 839.515+/-0.133 χ^2/NDF: 6312126.4/44



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -150.608+/-849.882 χ^2/NDF:6.8/5

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1289.543+/-866.032 χ^2/NDF:10.3/4

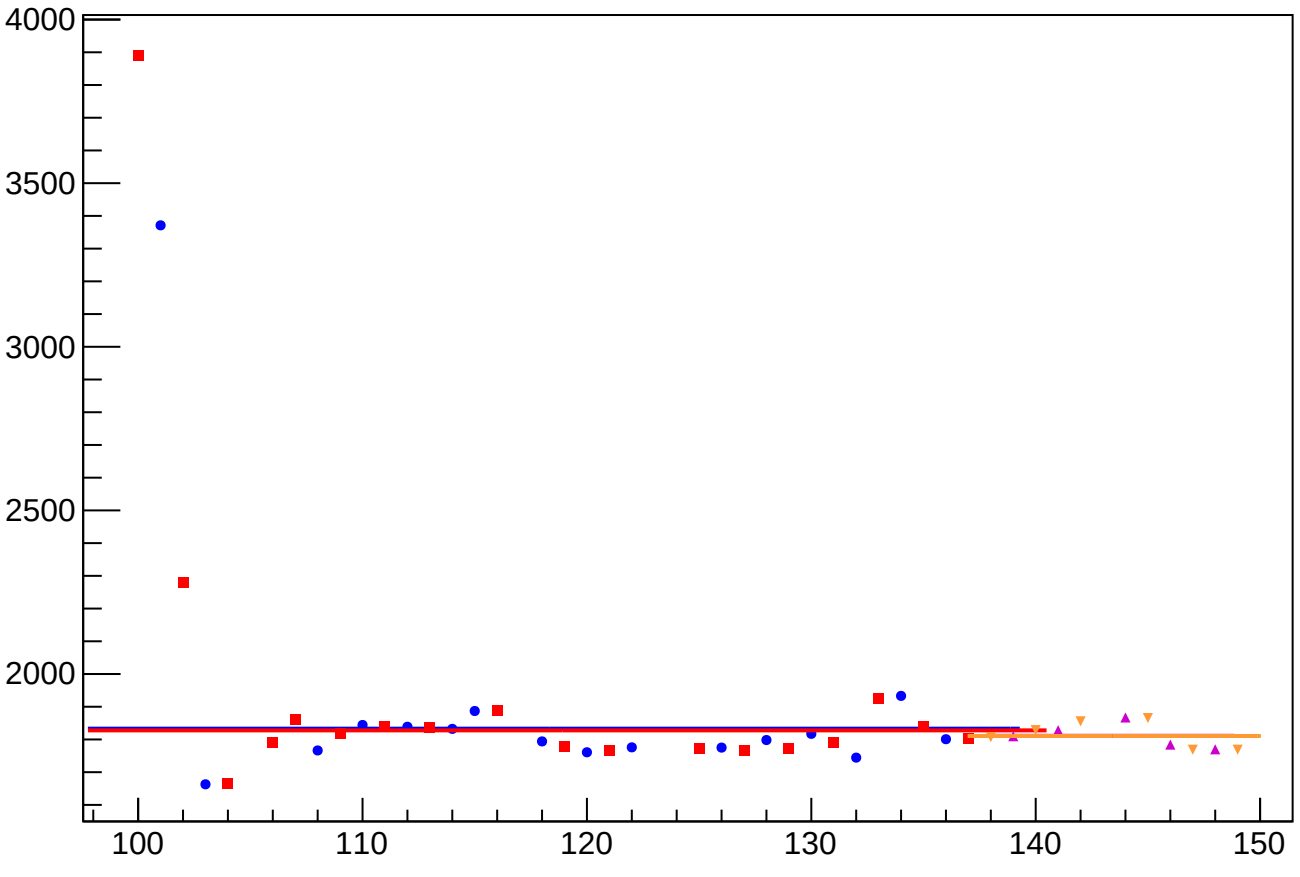
Left: -709.357+/-606.587 χ^2/NDF: 18.0/10

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1343.793+/-539.193 χ^2/NDF:19.6/20

Out: -285.230+/-533.053 χ^2/NDF:18.8/23

All: -808.450+/-379.077 χ^2/NDF: 40.4/44



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1810.580+/-0.601 χ^2/NDF:3954.4/5

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

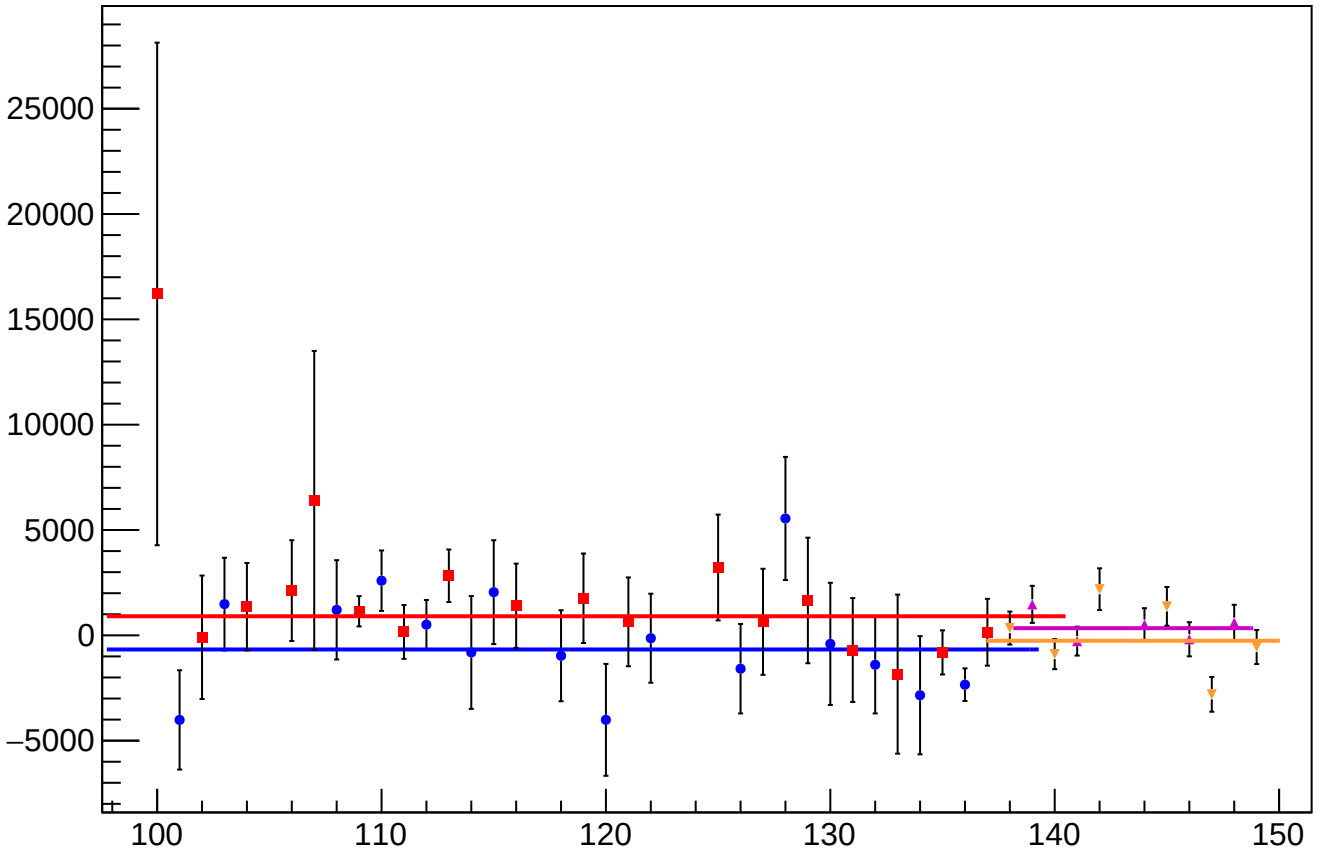
Left: 1810.863+/-0.429 χ^2/NDF: 7054.9/10

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1824.500+/-0.381 χ^2/NDF:299316.6/20

Out: 1821.017+/-0.377 χ^2/NDF:106721.9/23

All: 1822.738+/-0.268 χ^2/NDF: 406080.7/44



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -257.678+/-337.608 χ^2/NDF:20.3/5

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 339.722+/-354.002 χ^2/NDF:3.0/4

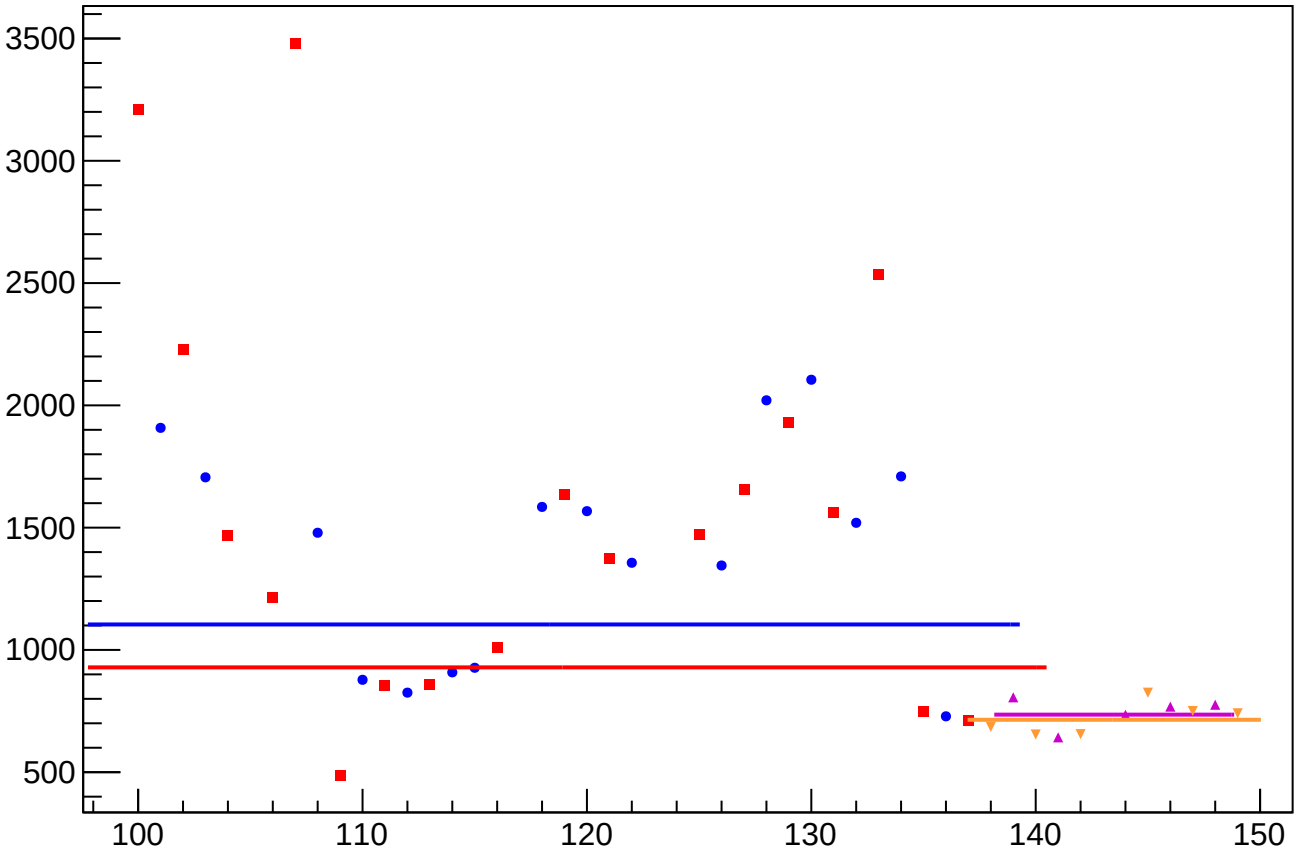
Left: 26.869+/-244.315 χ^2/NDF: 24.8/10

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -54.523+/-276.430 χ^2/NDF:29.0/20

Out: 233.769+/-256.589 χ^2/NDF:35.8/23

All: 100.339+/-188.059 χ^2/NDF: 65.3/44



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 714.357+/-0.239 χ^2/NDF:58866.8/5

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

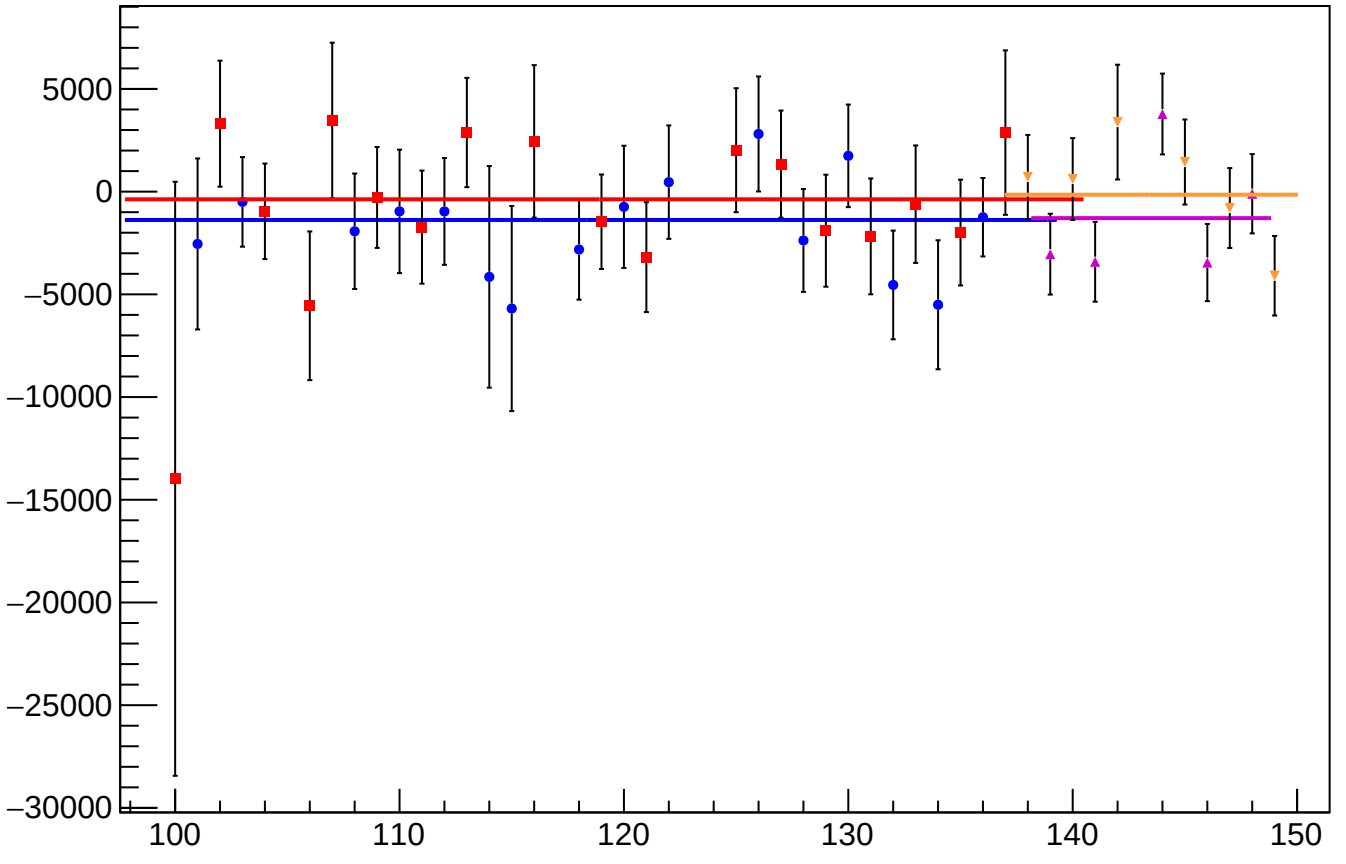
Left: 724.365+/-0.173 χ^2/NDF: 119985.0/10

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 879.263+/-0.195 χ^2/NDF:2798707.6/20

Out: 804.859+/-0.181 χ^2/NDF:3453519.2/23

All: 839.295+/-0.133 χ^2/NDF: 6330061.7/44



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -150.608+/-849.882 χ^2/NDF:6.8/5

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1289.543+/-866.032 χ^2/NDF:10.3/4

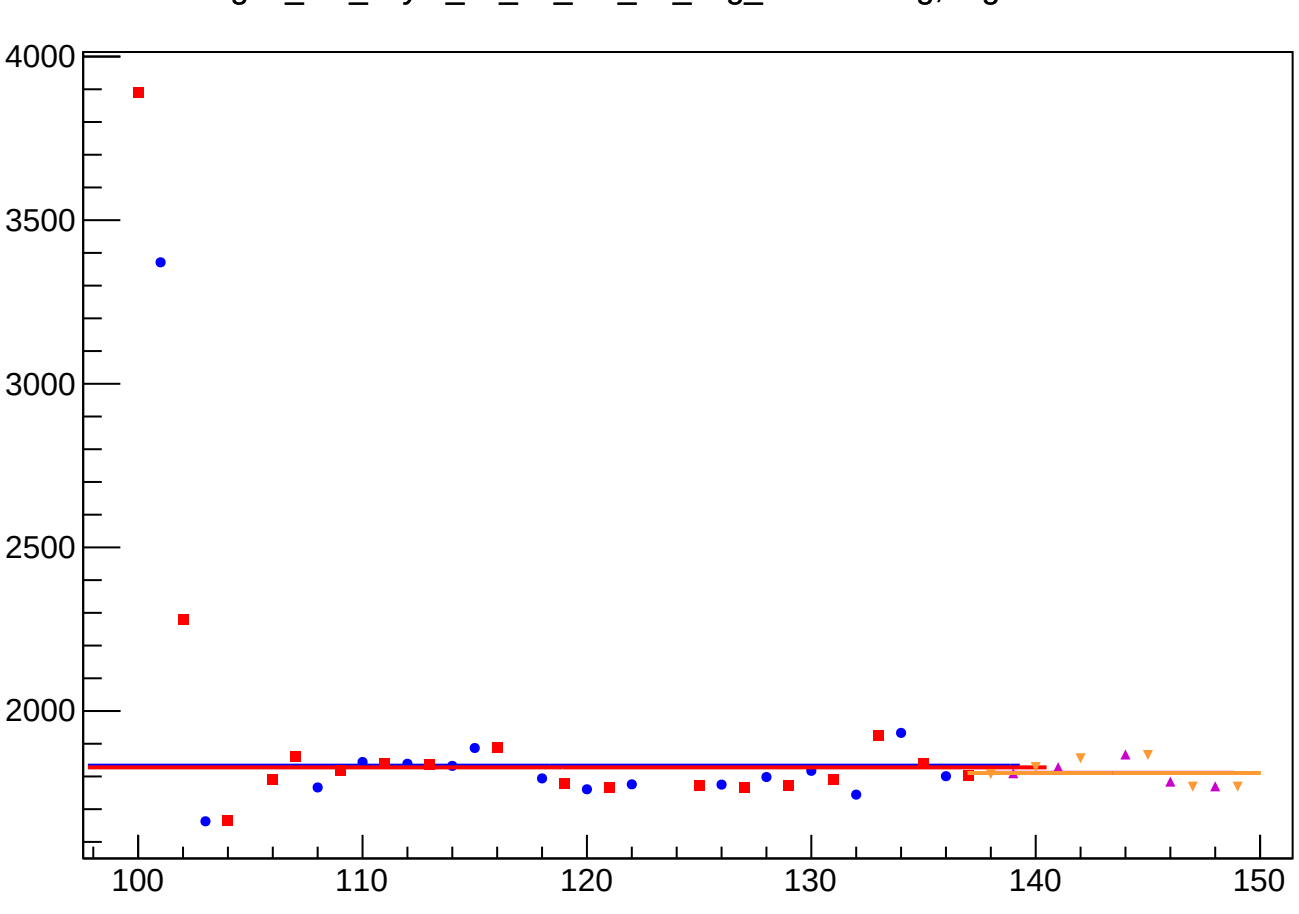
Left: -709.357+/-606.587 χ^2/NDF: 18.0/10

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1343.793+/-539.193 χ^2/NDF:19.6/20

Out: -285.230+/-533.053 χ^2/NDF:18.8/23

All: -808.450+/-379.077 χ^2/NDF: 40.4/44



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1810.580+/-0.601 χ^2/NDF:3954.4/5

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1811.156+/-0.612 χ^2/NDF:3100.0/4

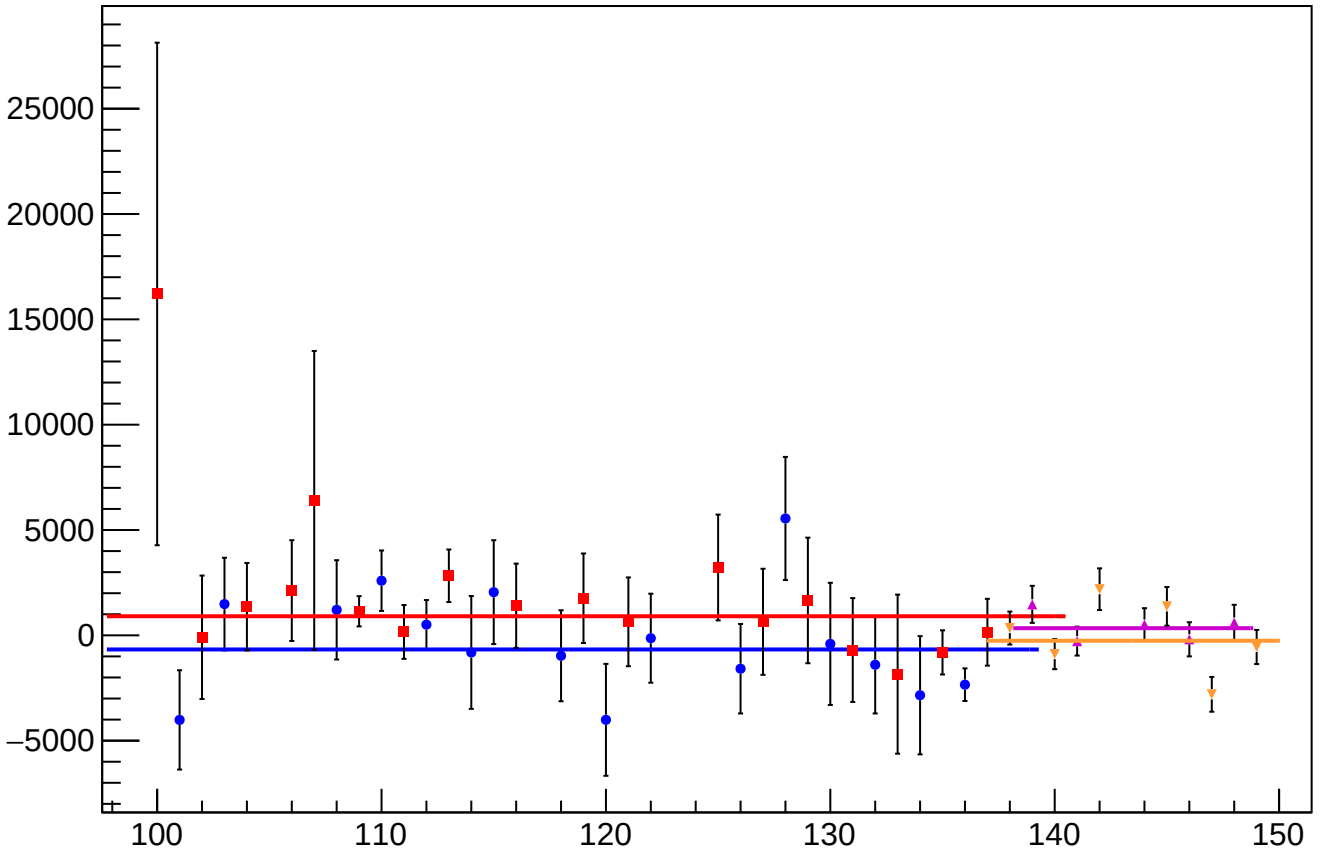
Left: 1810.863+/-0.429 χ^2/NDF: 7054.9/10

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1824.500+/-0.381 χ^2/NDF:299316.6/20

Out: 1821.017+/-0.377 χ^2/NDF:106721.9/23

All: 1822.738+/-0.268 χ^2/NDF: 406080.7/44



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -257.678+/-337.608 χ^2/NDF:20.3/5

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: 26.869+/-244.315 χ^2/NDF: 24.8/10

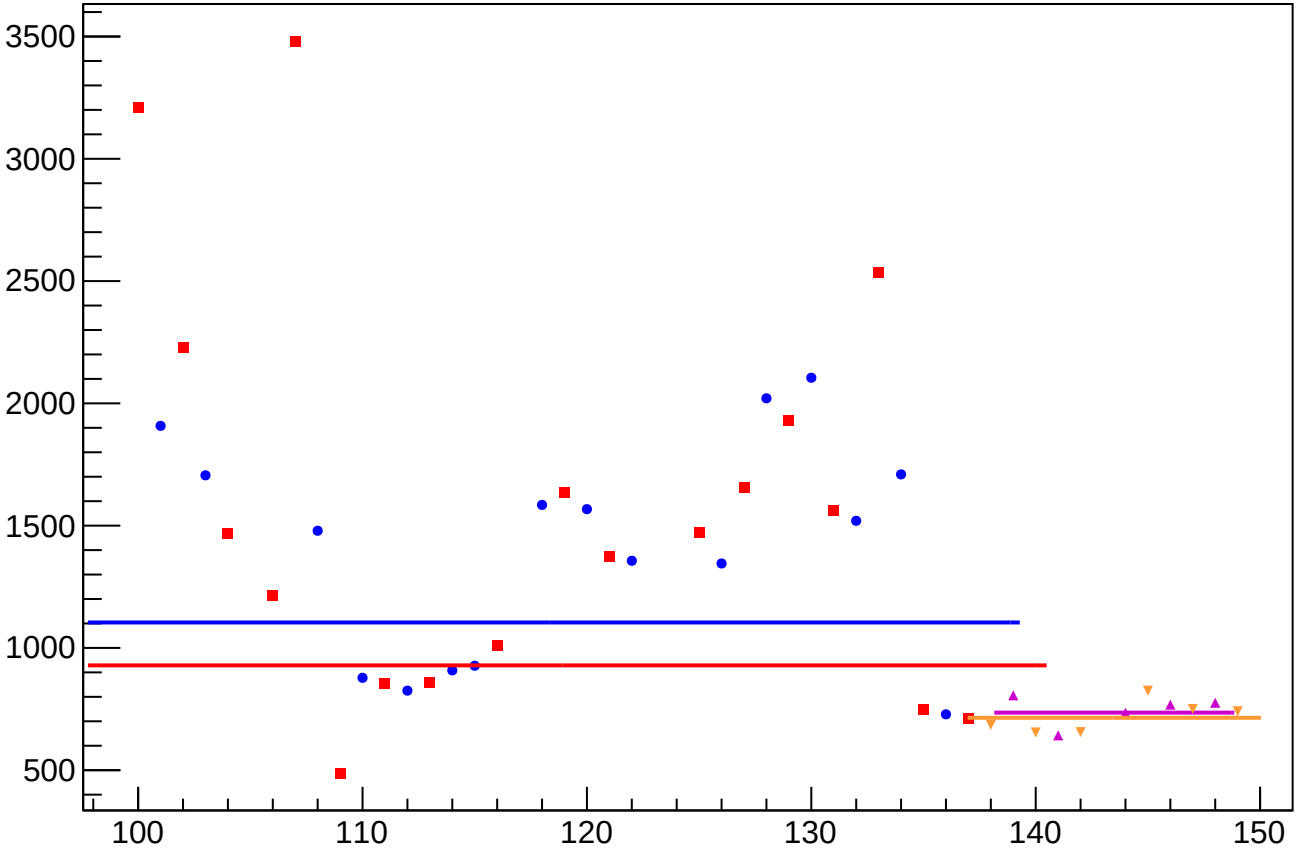
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -54.523+/-276.430 χ^2/NDF:29.0/20

Out: 233.769+/-256.589 χ^2/NDF:35.8/23

All: 100.339+/-188.059 χ^2/NDF: 65.3/44

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: 714.357+/-0.239 χ^2/NDF:58866.8/5

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.368+/-0.250 χ^2/NDF:57428.6/4

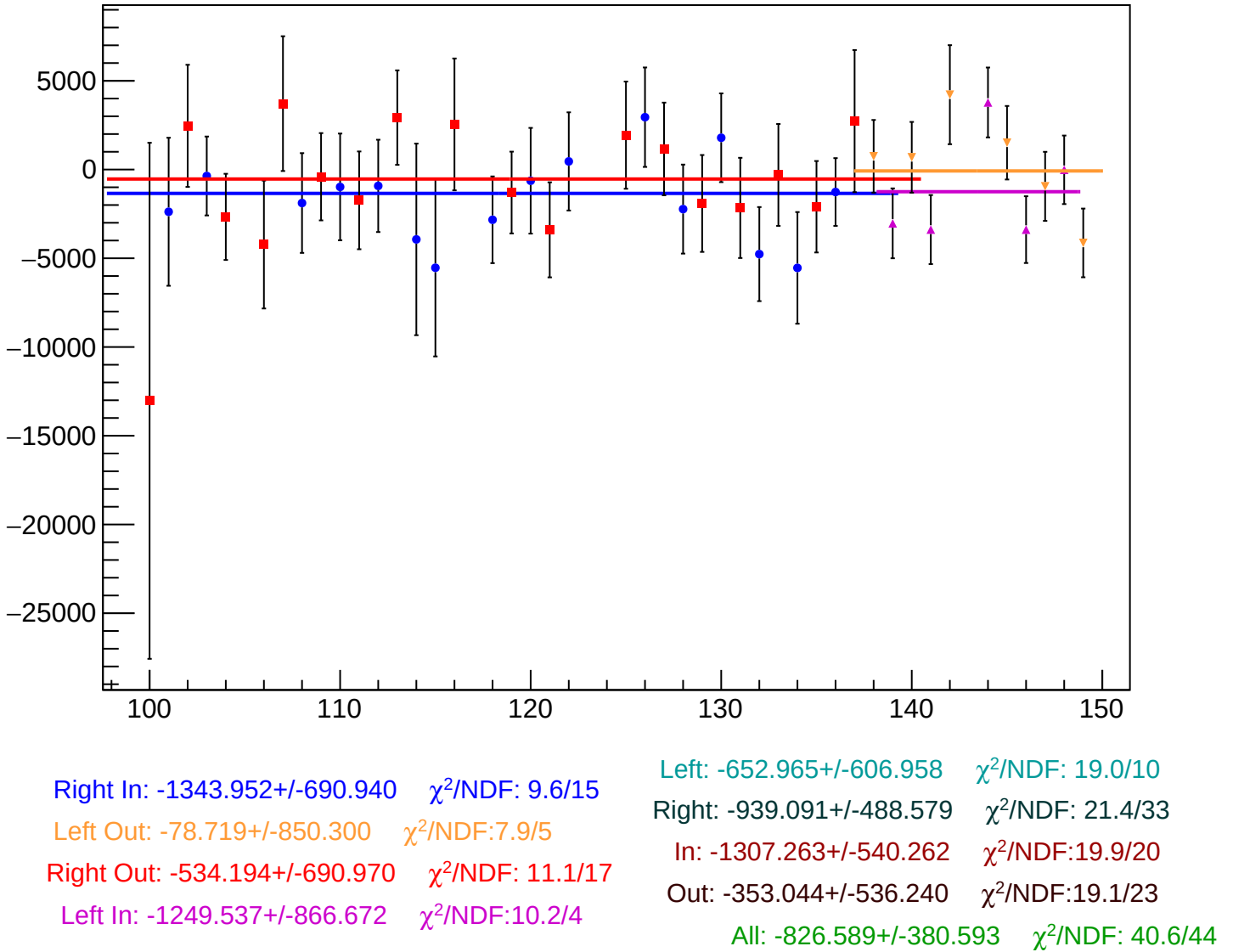
Left: 724.365+/-0.173 χ^2/NDF: 119985.0/10

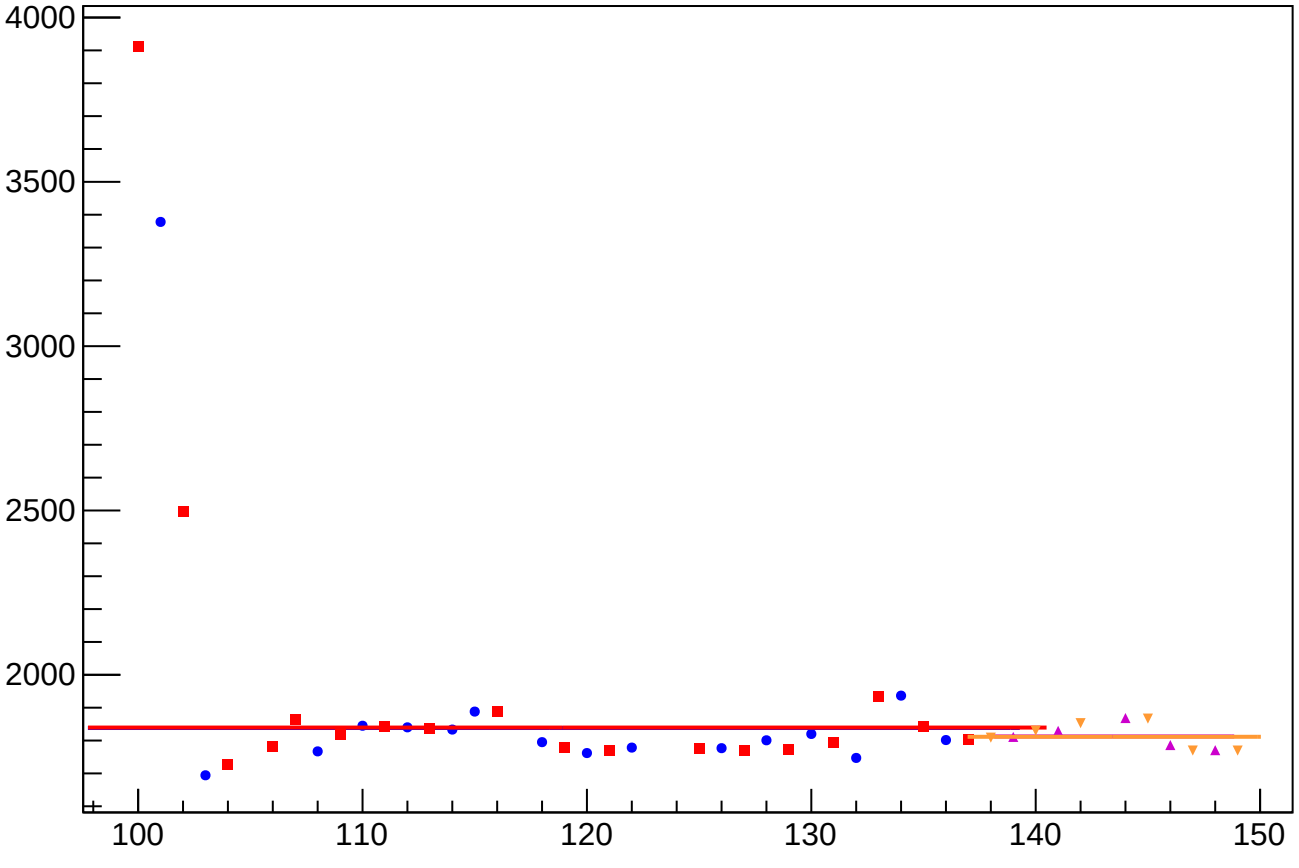
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 879.263+/-0.195 χ^2/NDF:2798707.6/20

Out: 804.859+/-0.181 χ^2/NDF:3453519.2/23

All: 839.295+/-0.133 χ^2/NDF: 6330061.7/44


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: -78.719+/-850.300 χ²/NDF:7.9/5
Right Out: -534.194+/-690.970 χ²/NDF: 11.1/17
Left In: -1249.537+/-866.672 χ²/NDF:10.2/4
Left: -652.965+/-606.958 χ²/NDF: 19.0/10
Right: -939.091+/-488.579 χ²/NDF: 21.4/33
In: -1307.263+/-540.262 χ²/NDF:19.9/20
Out: -353.044+/-536.240 χ²/NDF:19.1/23
All: -826.589+/-380.593 χ²/NDF: 40.6/44



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1811.442+/-0.601 χ^2/NDF:3905.2/5

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1812.492+/-0.613 χ^2/NDF:3094.8/4

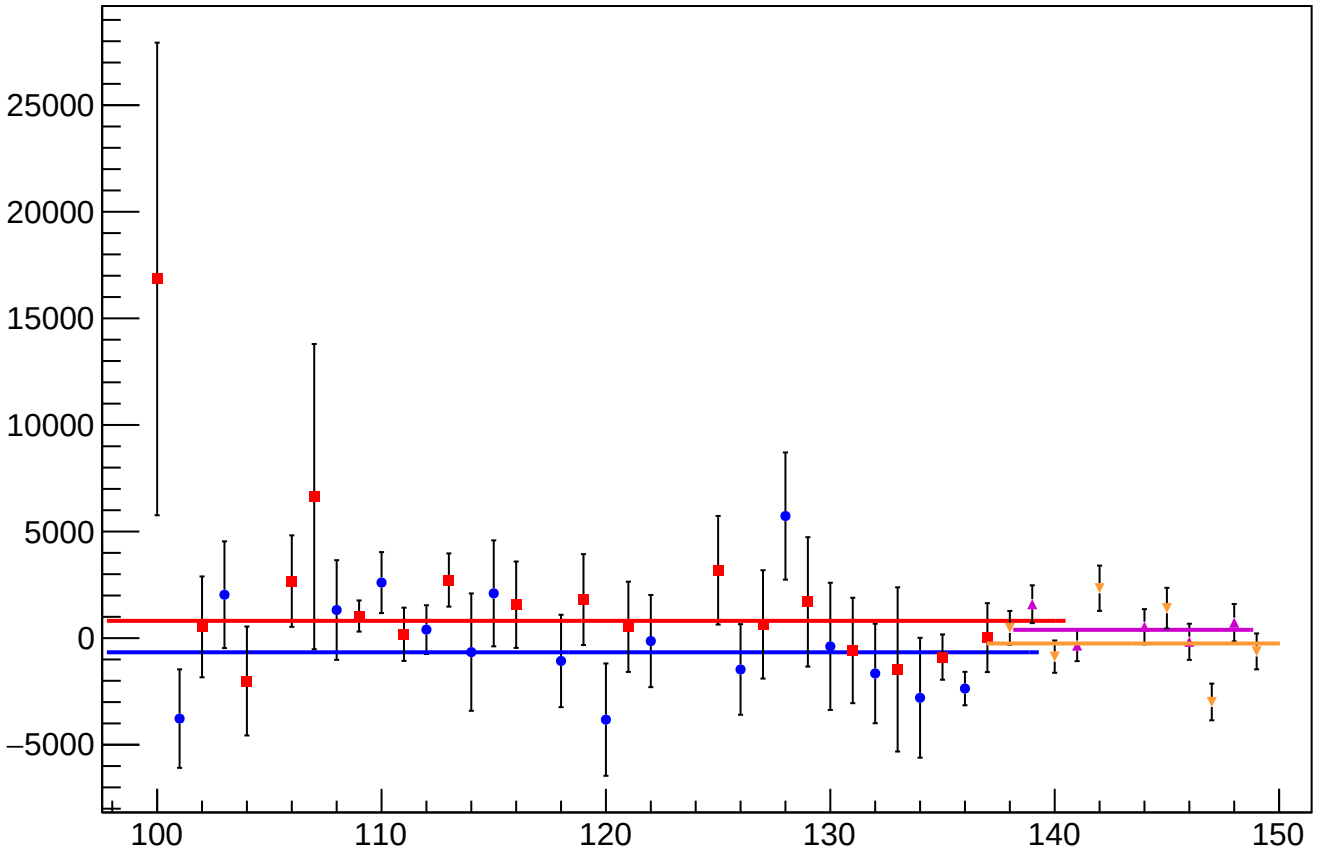
Left: 1811.957+/-0.429 χ^2/NDF: 7001.6/10

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1828.185+/-0.382 χ^2/NDF:296151.3/20

Out: 1828.351+/-0.379 χ^2/NDF:133472.0/23

All: 1828.269+/-0.269 χ^2/NDF: 429623.4/44



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -251.689+/-351.823 χ^2/NDF:20.8/5

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 389.920+/-369.643 χ^2/NDF:3.5/4

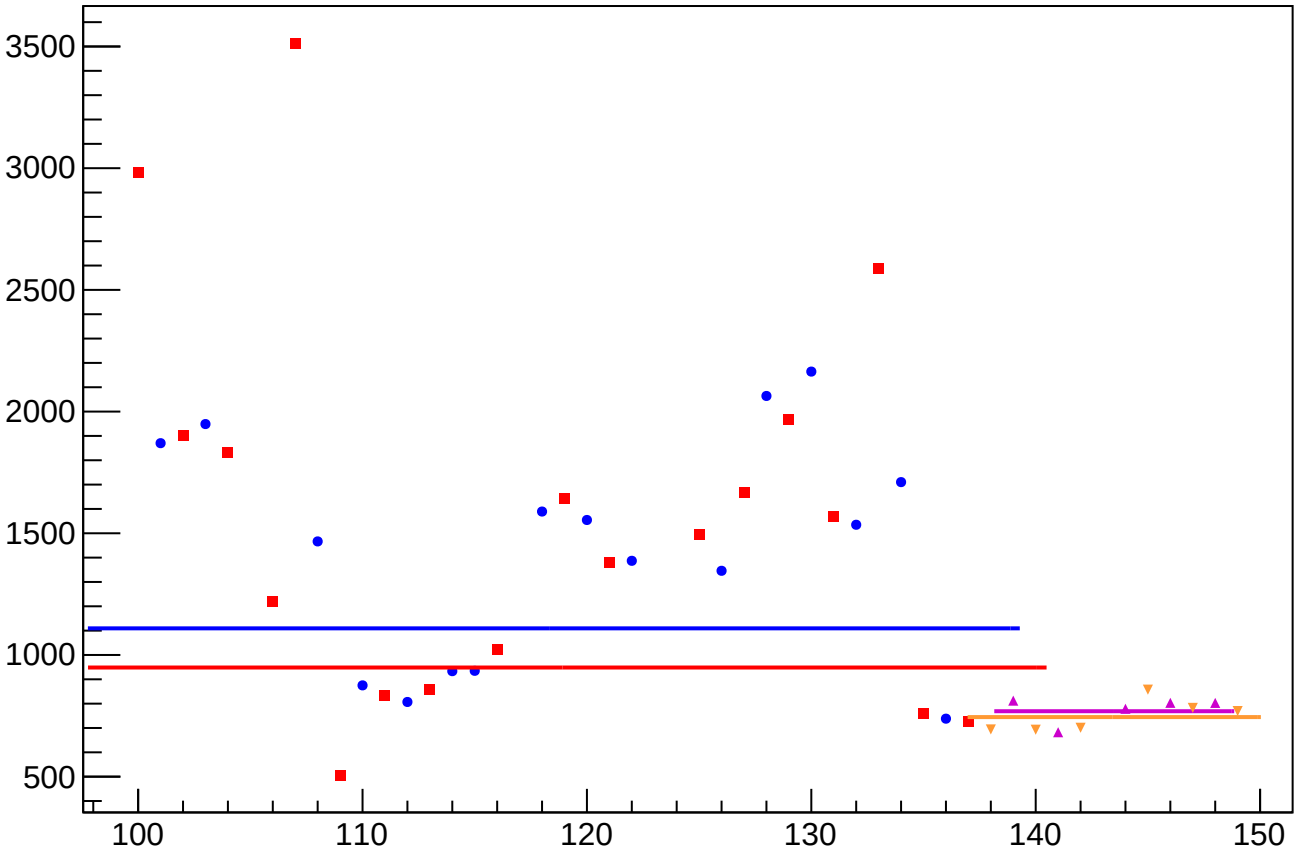
Left: 53.278+/-254.843 χ^2/NDF: 25.9/10

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -39.135+/-284.576 χ^2/NDF:29.6/20

Out: 216.050+/-263.361 χ^2/NDF:37.1/23

All: 98.323+/-193.290 χ^2/NDF: 67.1/44



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 744.762+/-0.249 χ^2/NDF:54531.9/5

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 768.875+/-0.261 χ^2/NDF:39568.7/4

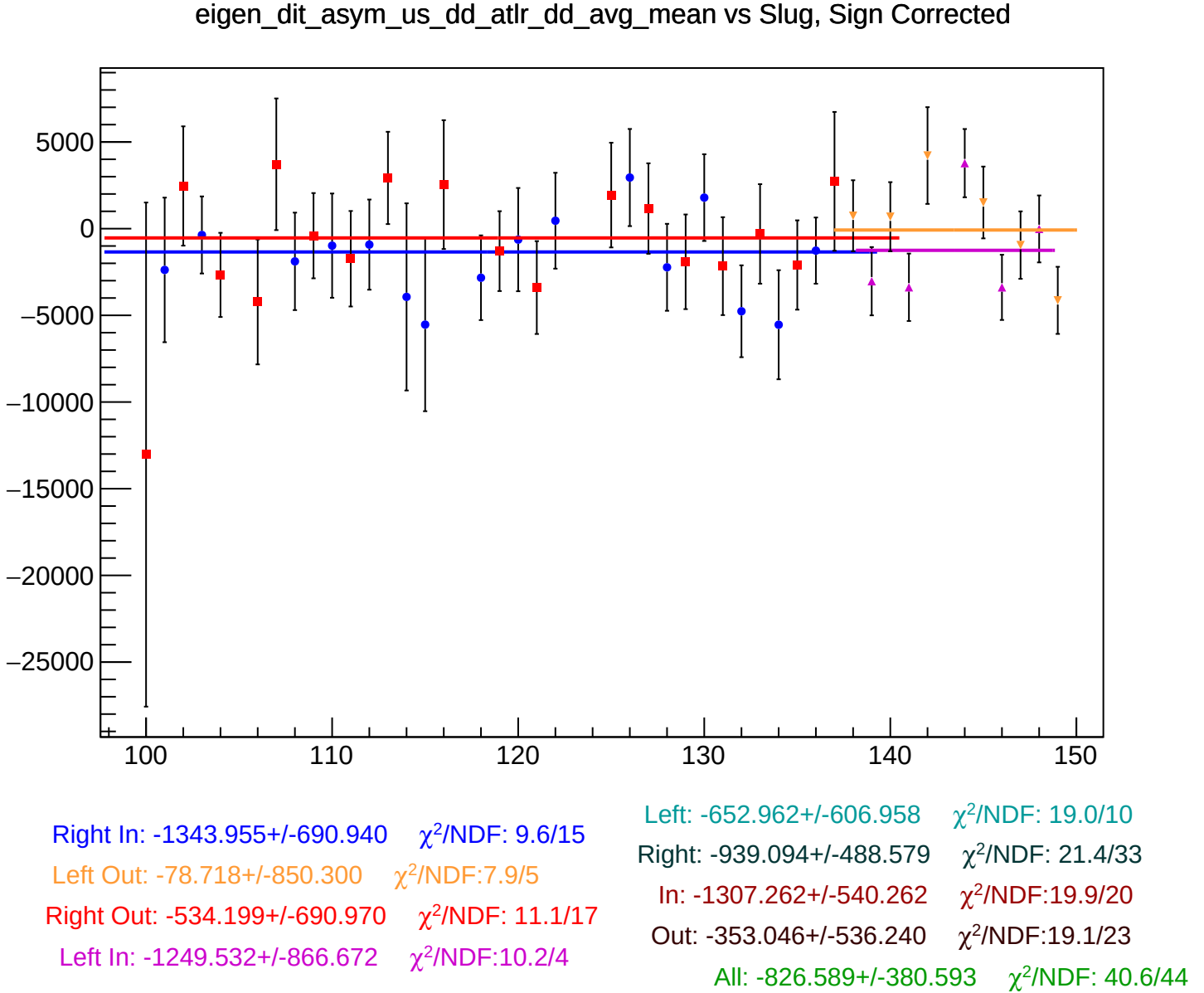
Left: 756.223+/-0.180 χ^2/NDF: 98565.8/10

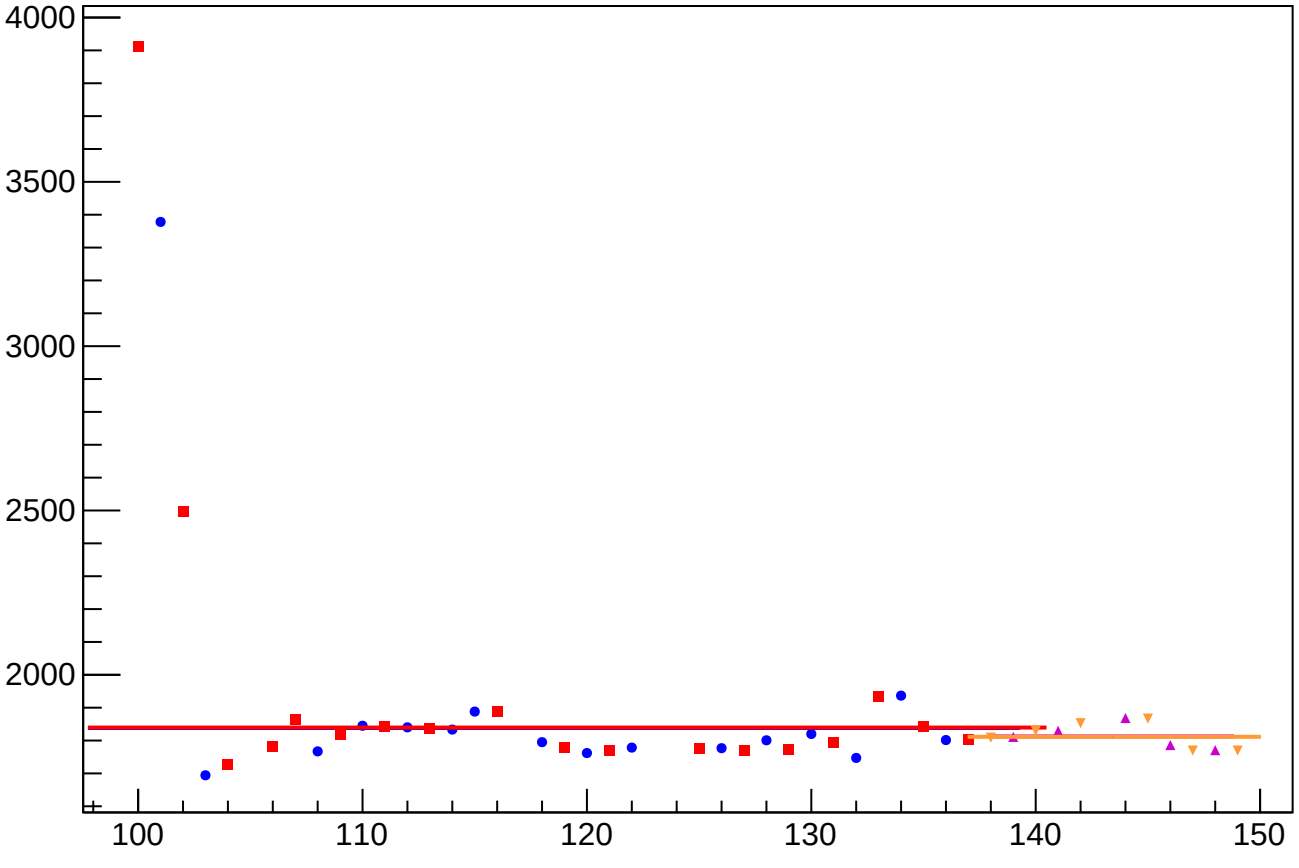
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 907.556+/-0.201 χ^2/NDF:2704100.0/20

Out: 834.310+/-0.186 χ^2/NDF:3402898.6/23

All: 868.101+/-0.137 χ^2/NDF: 6178368.9/44


eigen_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: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -78.718+/-850.300 χ²/NDF:7.9/5
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -1249.532+/-866.672 χ²/NDF:10.2/4
Left: -652.962+/-606.958 χ²/NDF: 19.0/10
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1307.262+/-540.262 χ²/NDF:19.9/20
Out: -353.046+/-536.240 χ²/NDF:19.1/23
All: -826.589+/-380.593 χ²/NDF: 40.6/44



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1811.442+/-0.601 χ^2/NDF:3905.2/5

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: 1811.957+/-0.429 χ^2/NDF: 7001.6/10

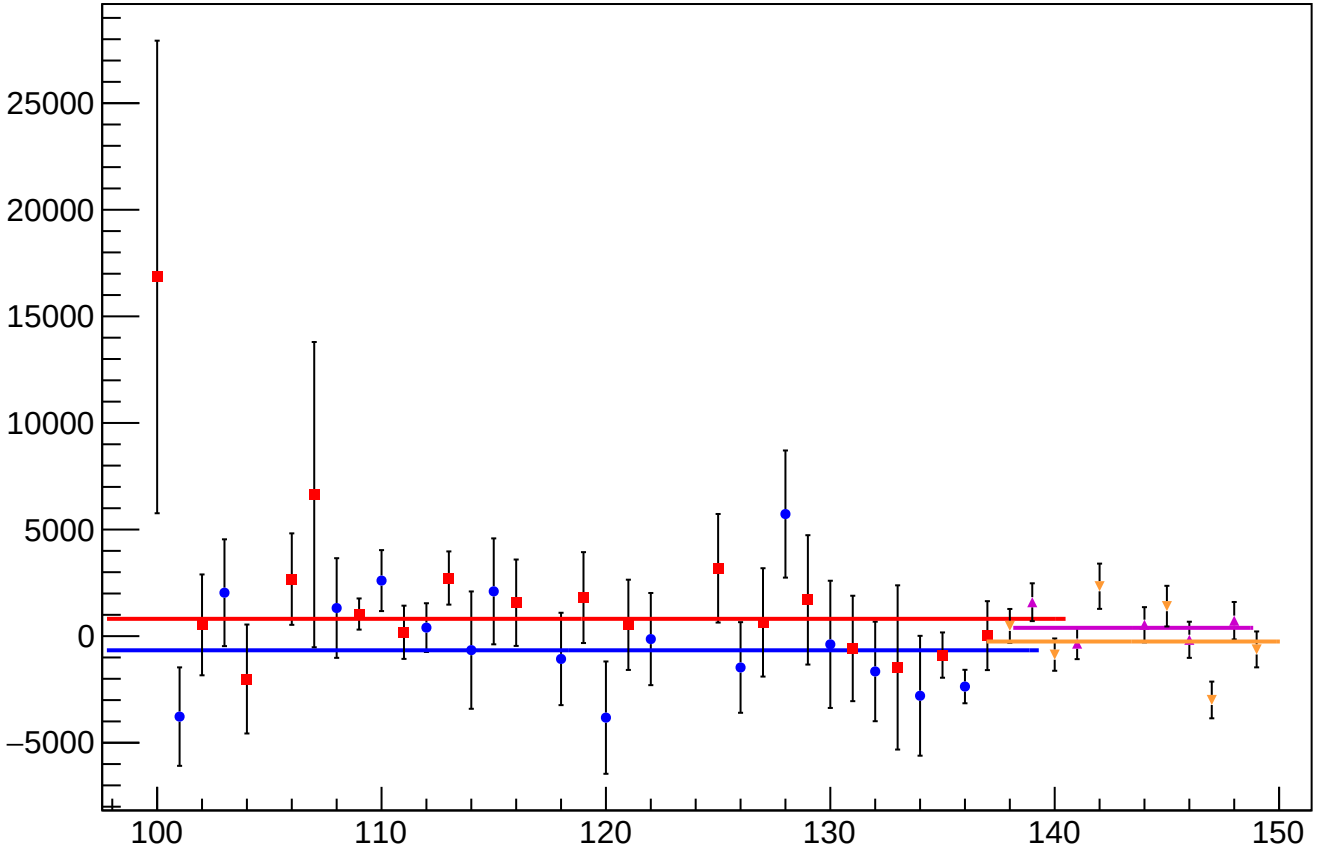
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1828.185+/-0.382 χ^2/NDF:296151.3/20

Out: 1828.351+/-0.379 χ^2/NDF:133472.0/23

All: 1828.269+/-0.269 χ^2/NDF: 429623.4/44

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -251.695+/-351.824 χ^2/NDF:20.8/5

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: 53.274+/-254.844 χ^2/NDF: 25.9/10

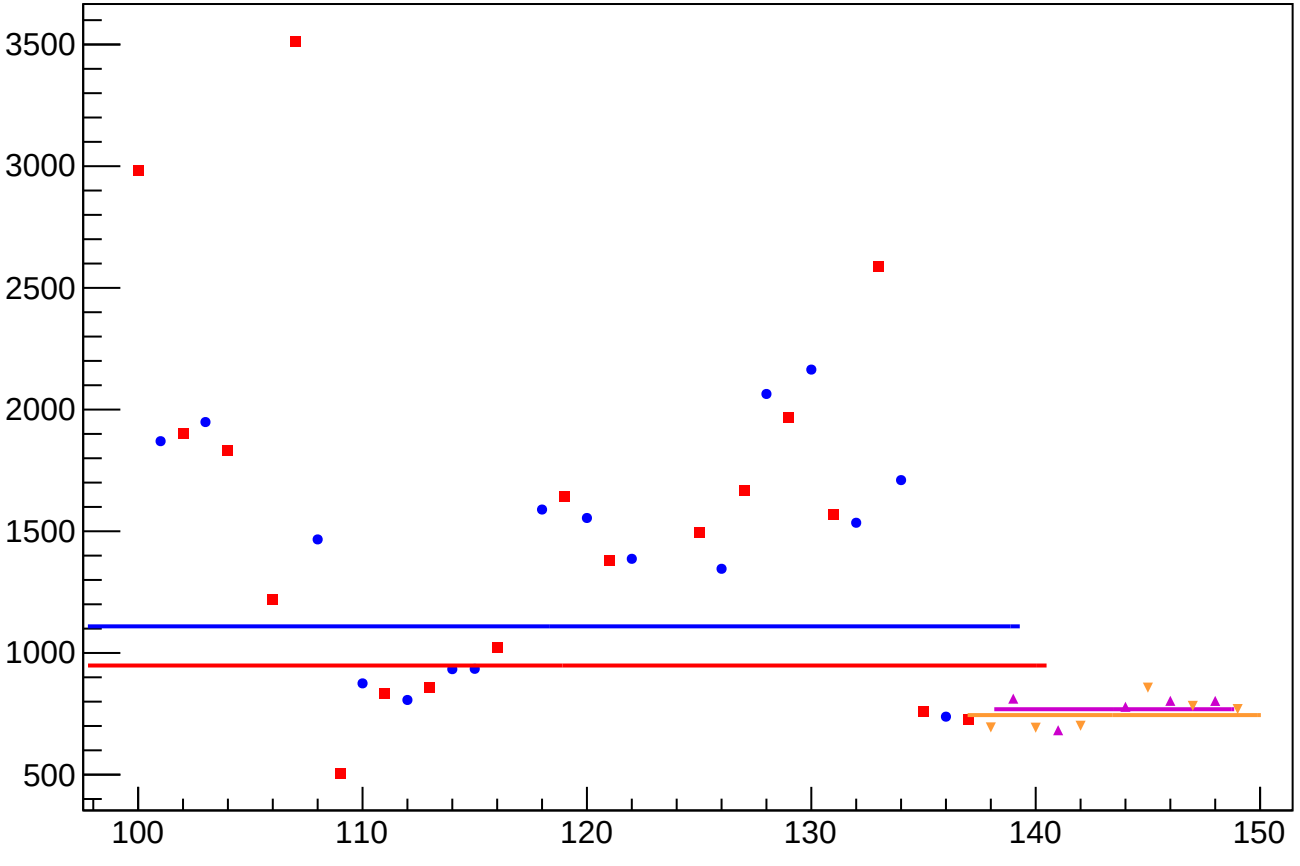
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -39.132+/-284.577 χ^2/NDF:29.6/20

Out: 216.052+/-263.362 χ^2/NDF:37.1/23

All: 98.325+/-193.290 χ^2/NDF: 67.1/44

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: 744.766+/-0.249 χ^2/NDF:54524.6/5

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 768.876+/-0.261 χ^2/NDF:39569.1/4

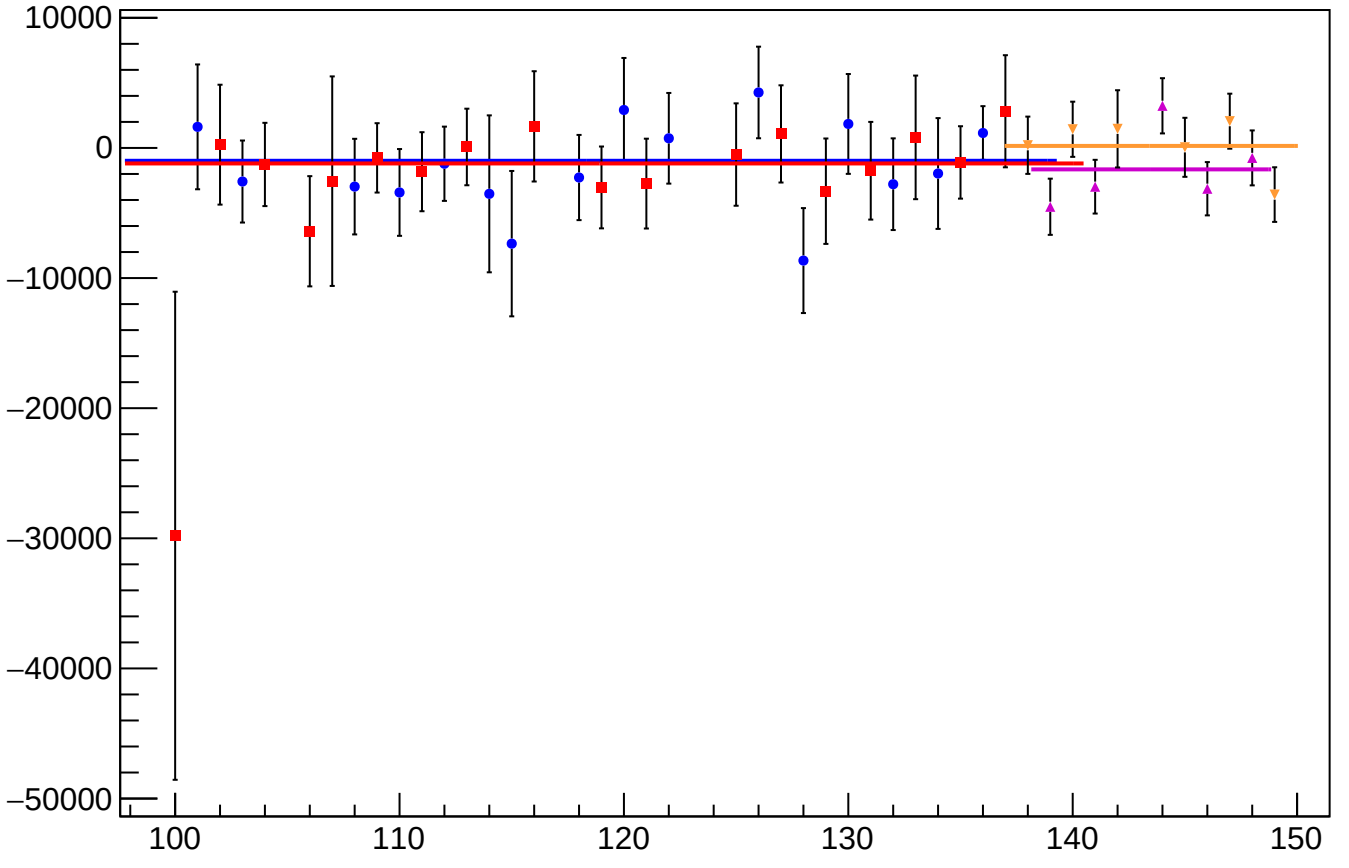
Left: 756.226+/-0.180 χ^2/NDF: 98558.0/10

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 907.558+/-0.201 χ^2/NDF:2704064.6/20

Out: 834.313+/-0.186 χ^2/NDF:3402858.4/23

All: 868.104+/-0.137 χ^2/NDF: 6178289.9/44



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 155.503+/-917.578 χ^2/NDF:4.5/5

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1647.566+/-939.001 χ^2/NDF:8.2/4

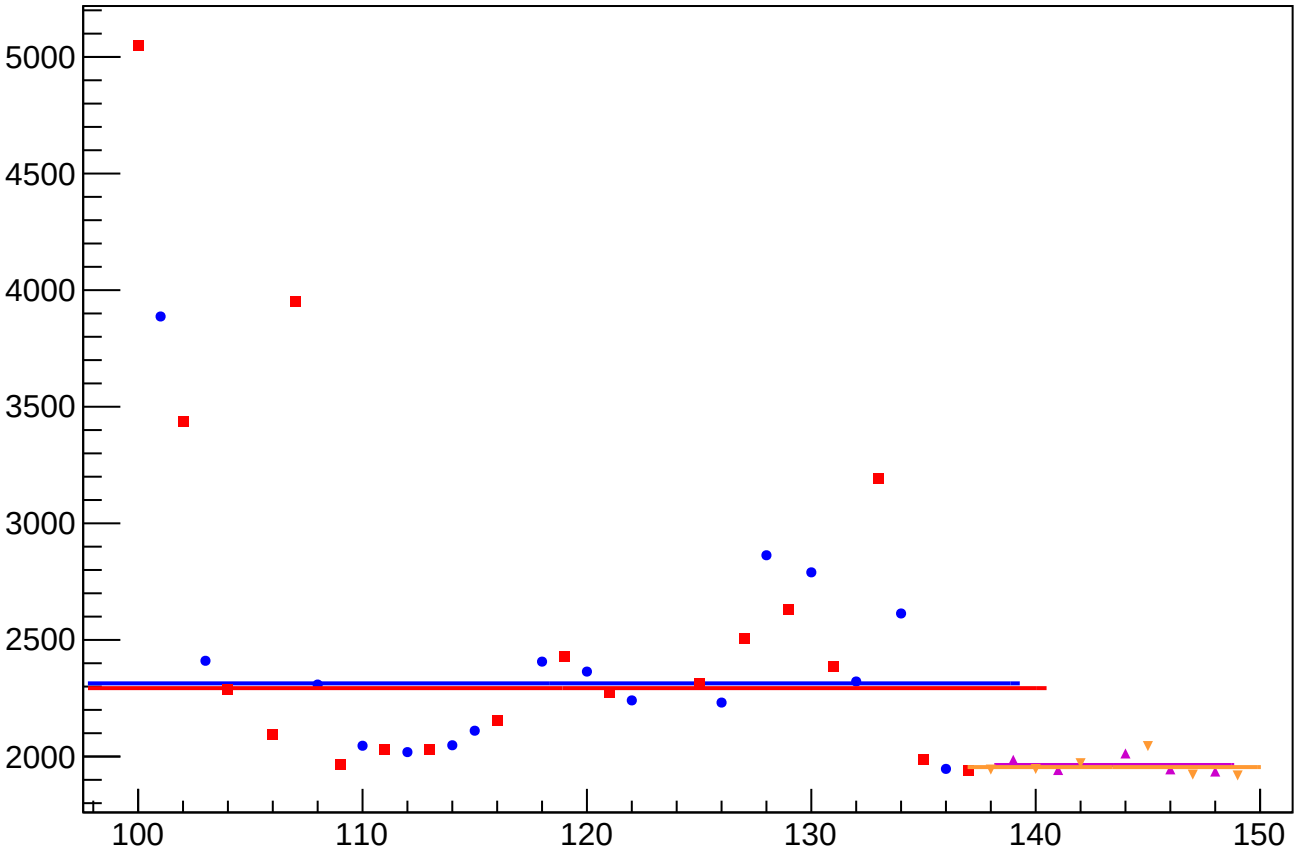
Left: -725.228+/-656.269 χ^2/NDF: 14.6/10

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1293.855+/-639.695 χ^2/NDF:20.4/20

Out: -553.845+/-631.498 χ^2/NDF:12.6/23

All: -919.078+/-449.407 χ^2/NDF: 33.8/44



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1954.698+/-0.649 χ^2/NDF:4331.5/5

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.707+/-0.664 χ^2/NDF:2034.3/4

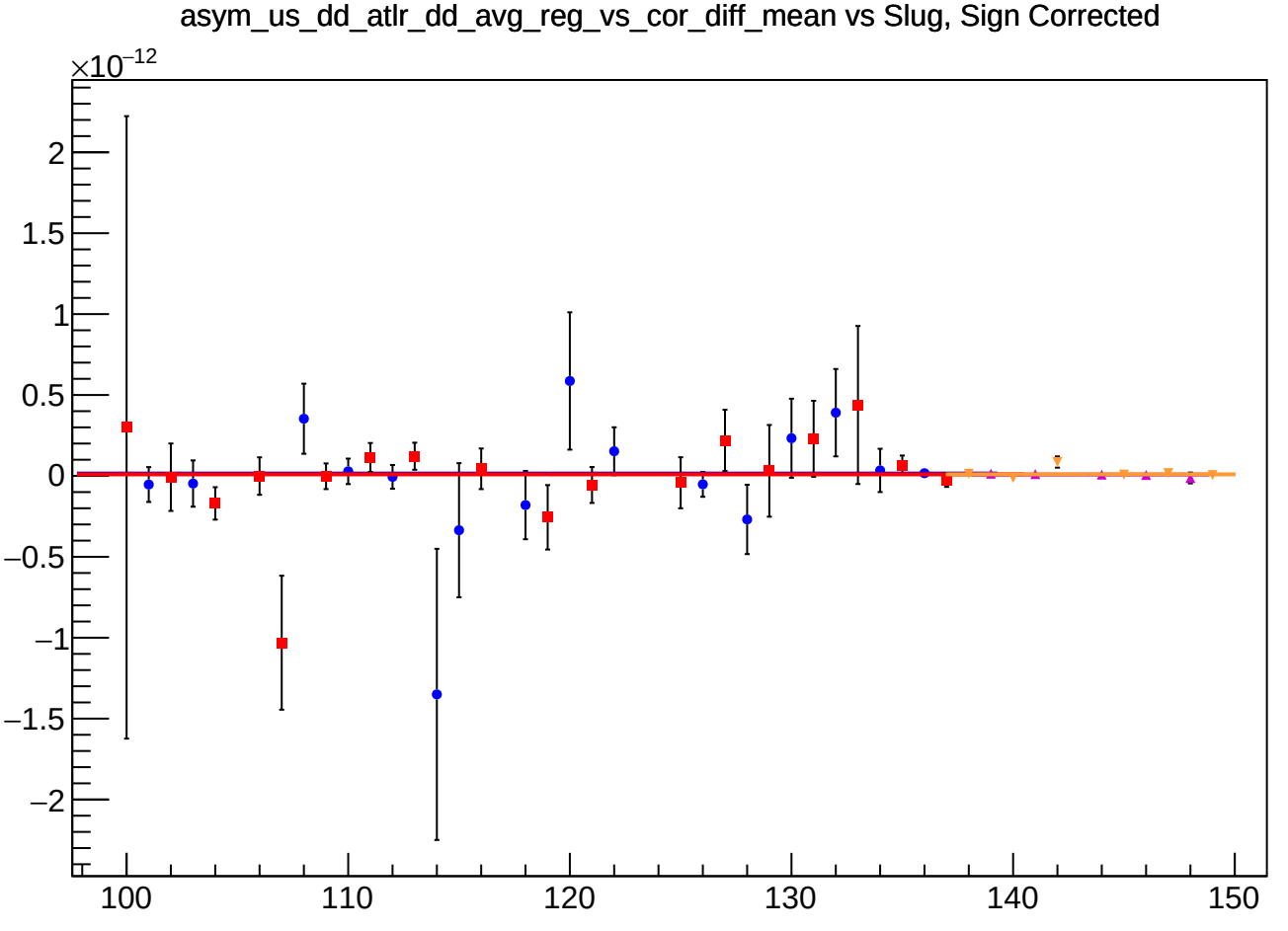
Left: 1959.098+/-0.464 χ^2/NDF: 6459.9/10

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2151.290+/-0.452 χ^2/NDF:553727.3/20

Out: 2132.908+/-0.447 χ^2/NDF:600862.2/23

All: 2141.980+/-0.318 χ^2/NDF: 1155425.8/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/4

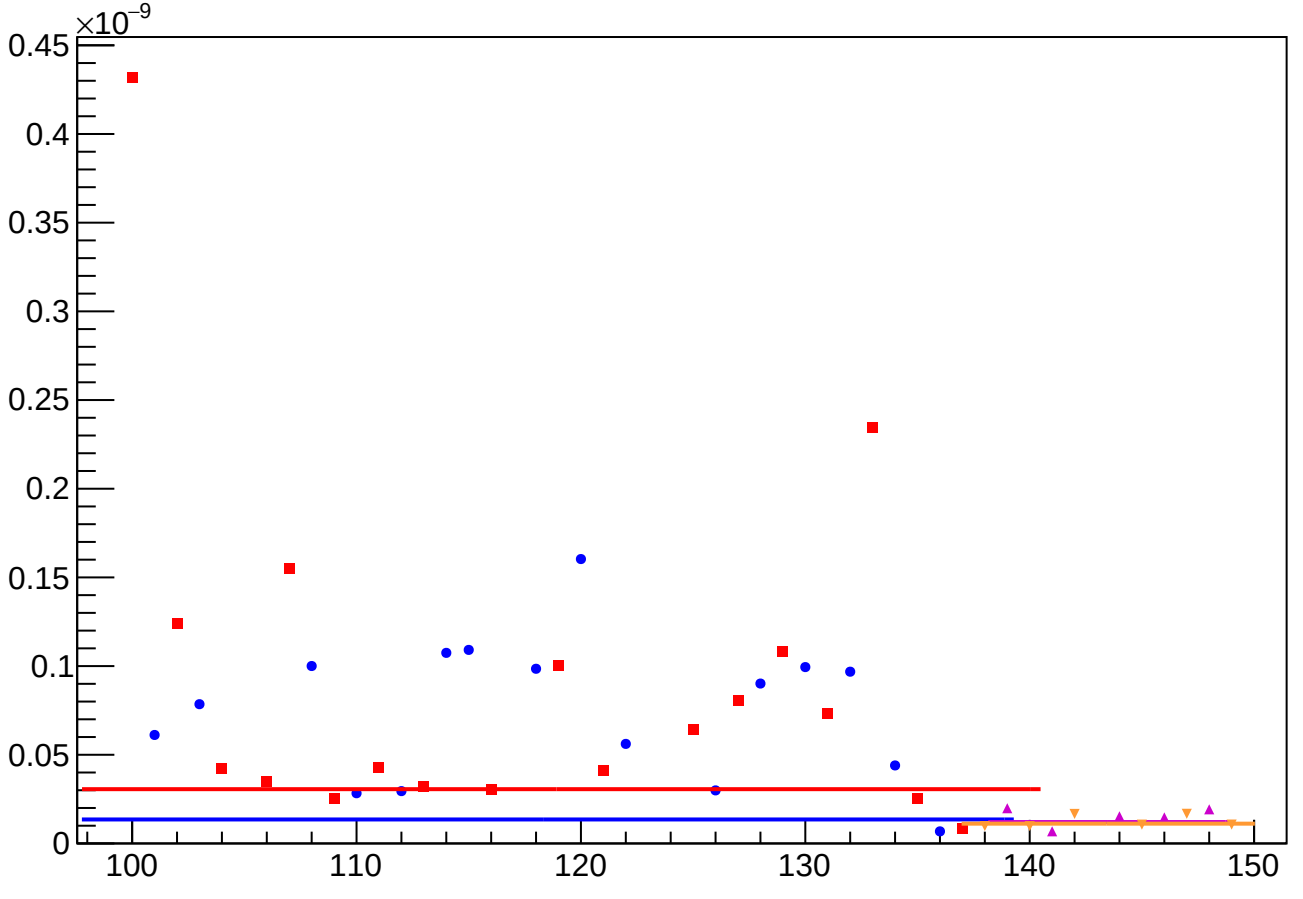
Left: 0.000+/-0.000 χ^2/NDF: 7.0/10

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:26.1/23

All: 0.000+/-0.000 χ^2/NDF: 41.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:143158.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:549587.1/4

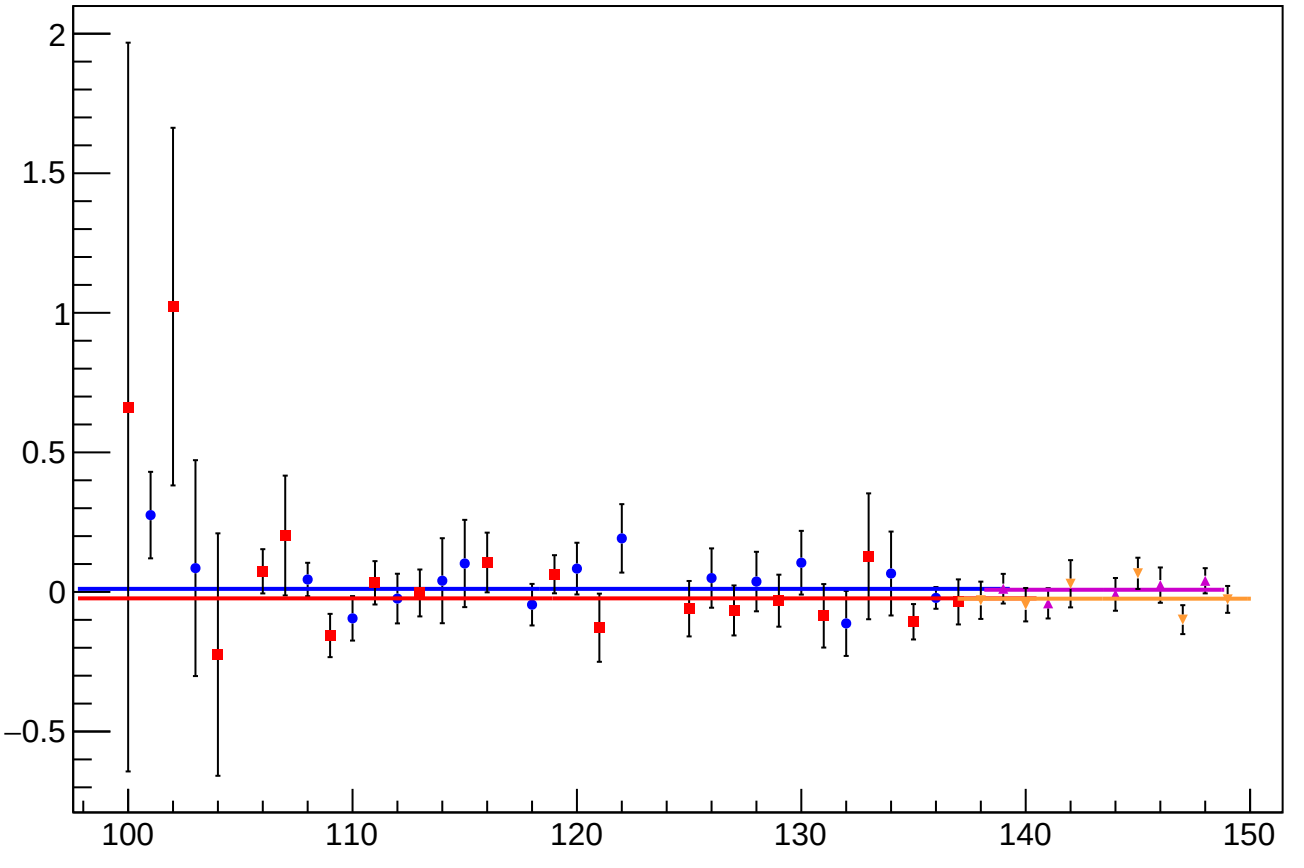
Left: 0.000+/-0.000 χ^2/NDF: 702153.1/10

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:3635190.7/23

All: 0.000+/-0.000 χ^2/NDF: 7629686.7/44



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.024 χ^2/NDF:5.3/5

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: -0.008+/-0.017 χ^2/NDF: 7.6/10

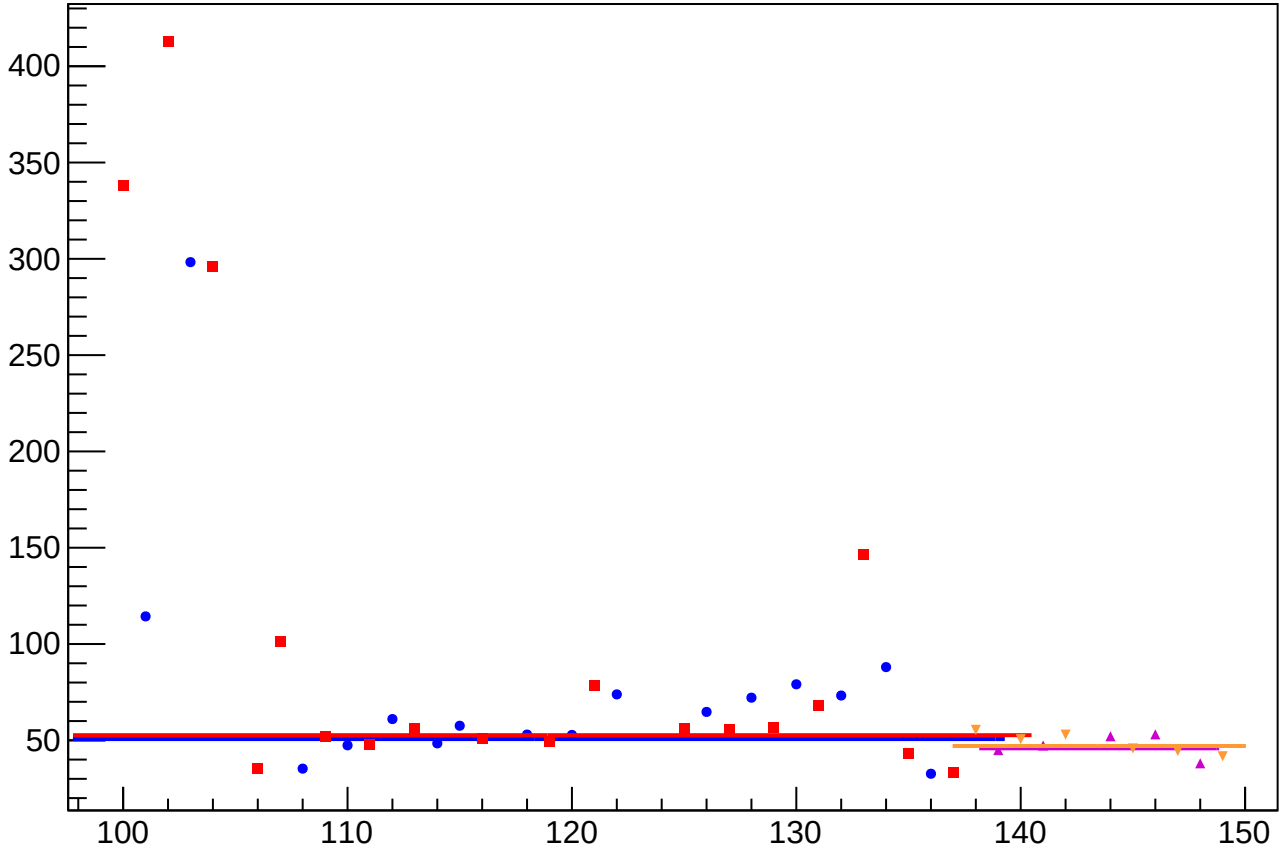
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.024+/-0.017 χ^2/NDF:21.2/23

All: -0.007+/-0.012 χ^2/NDF: 36.5/44

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: 47.066+/-0.017 χ^2/NDF:78598.4/5

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: 46.463+/-0.012 χ^2/NDF: 191477.5/10

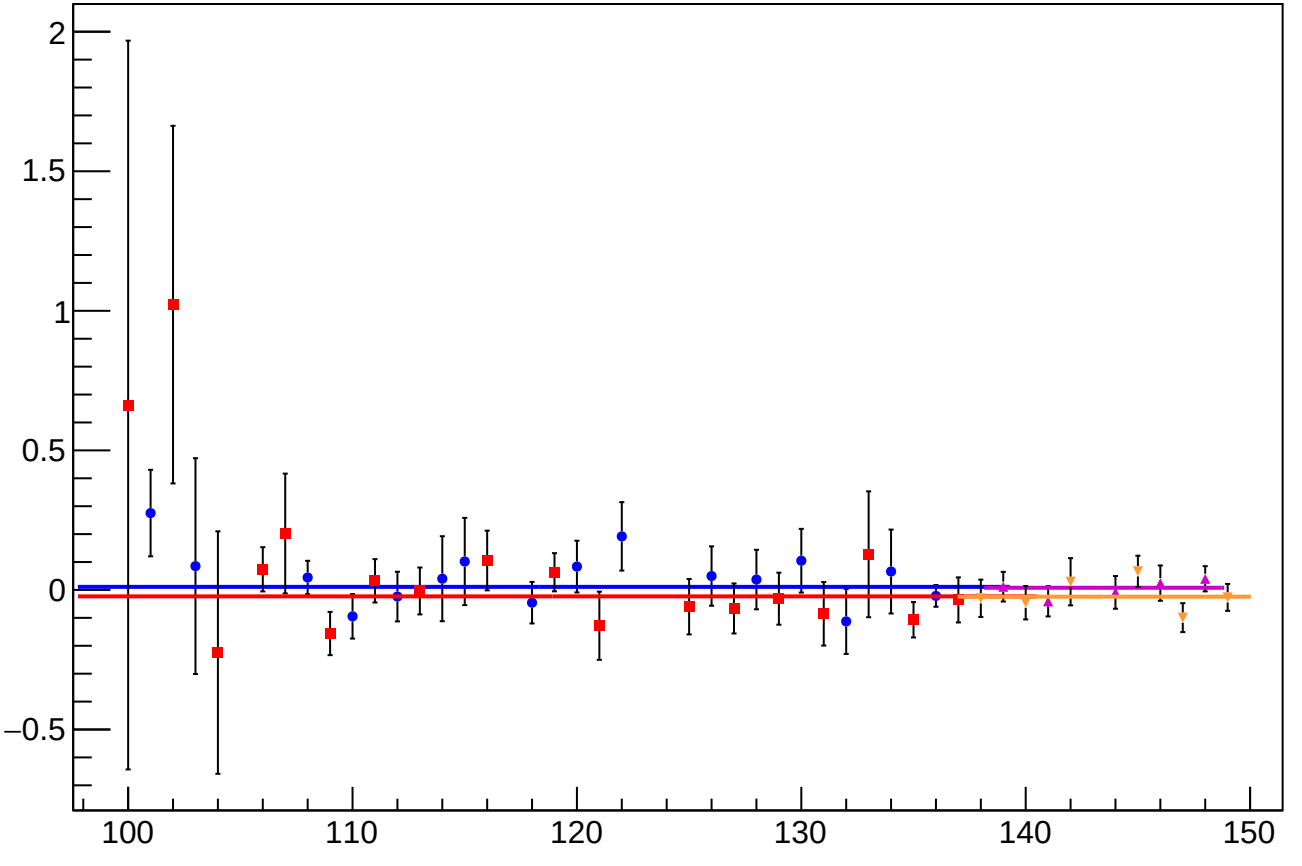
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.476+/-0.011 χ^2/NDF:2420248.8/20

Out: 49.949+/-0.012 χ^2/NDF:2347513.1/23

All: 49.195+/-0.008 χ^2/NDF: 4775836.3/44

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.024 χ^2/NDF:5.3/5

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: -0.008+/-0.017 χ^2/NDF: 7.6/10

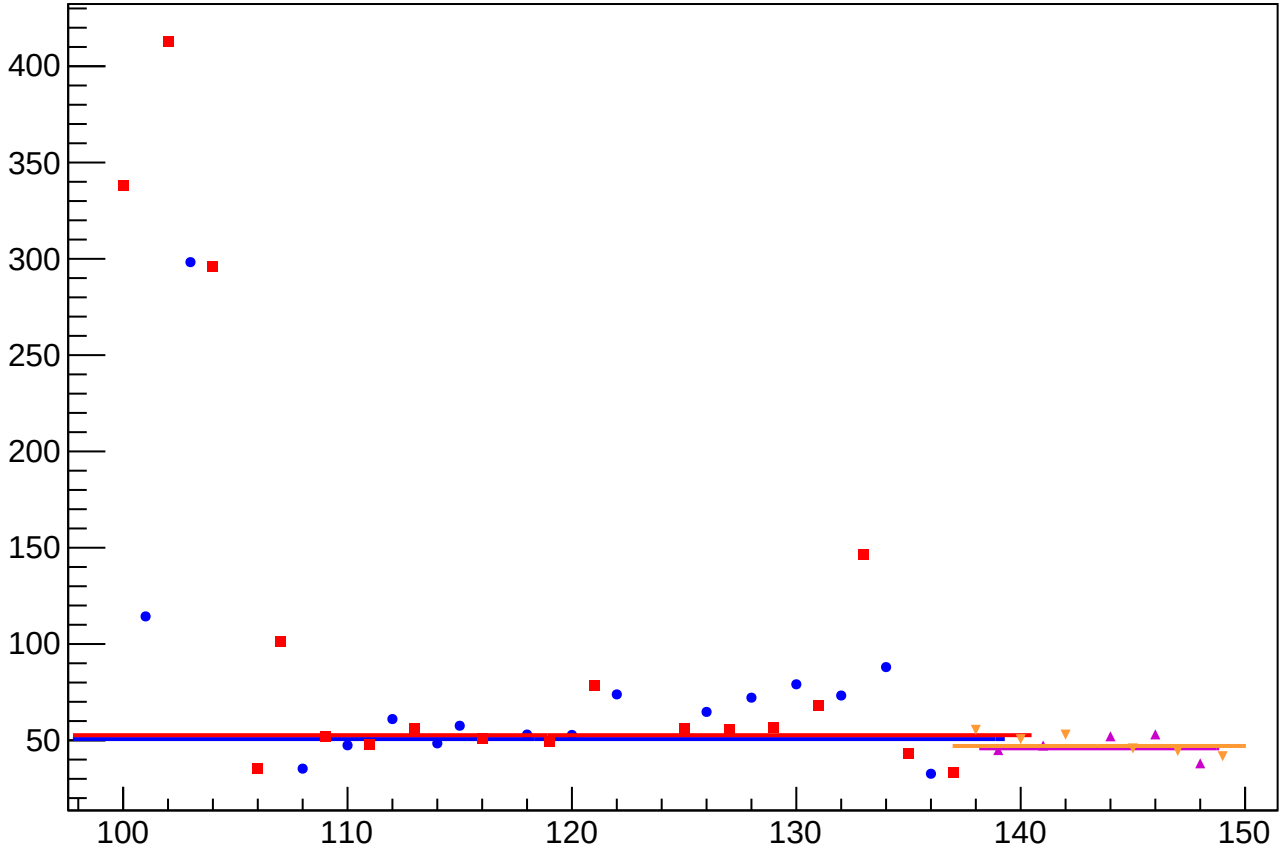
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.024+/-0.017 χ^2/NDF:21.2/23

All: -0.007+/-0.012 χ^2/NDF: 36.5/44

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: 47.066+/-0.017 χ^2/NDF:78598.4/5

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.846+/-0.017 χ^2/NDF:110285.5/4

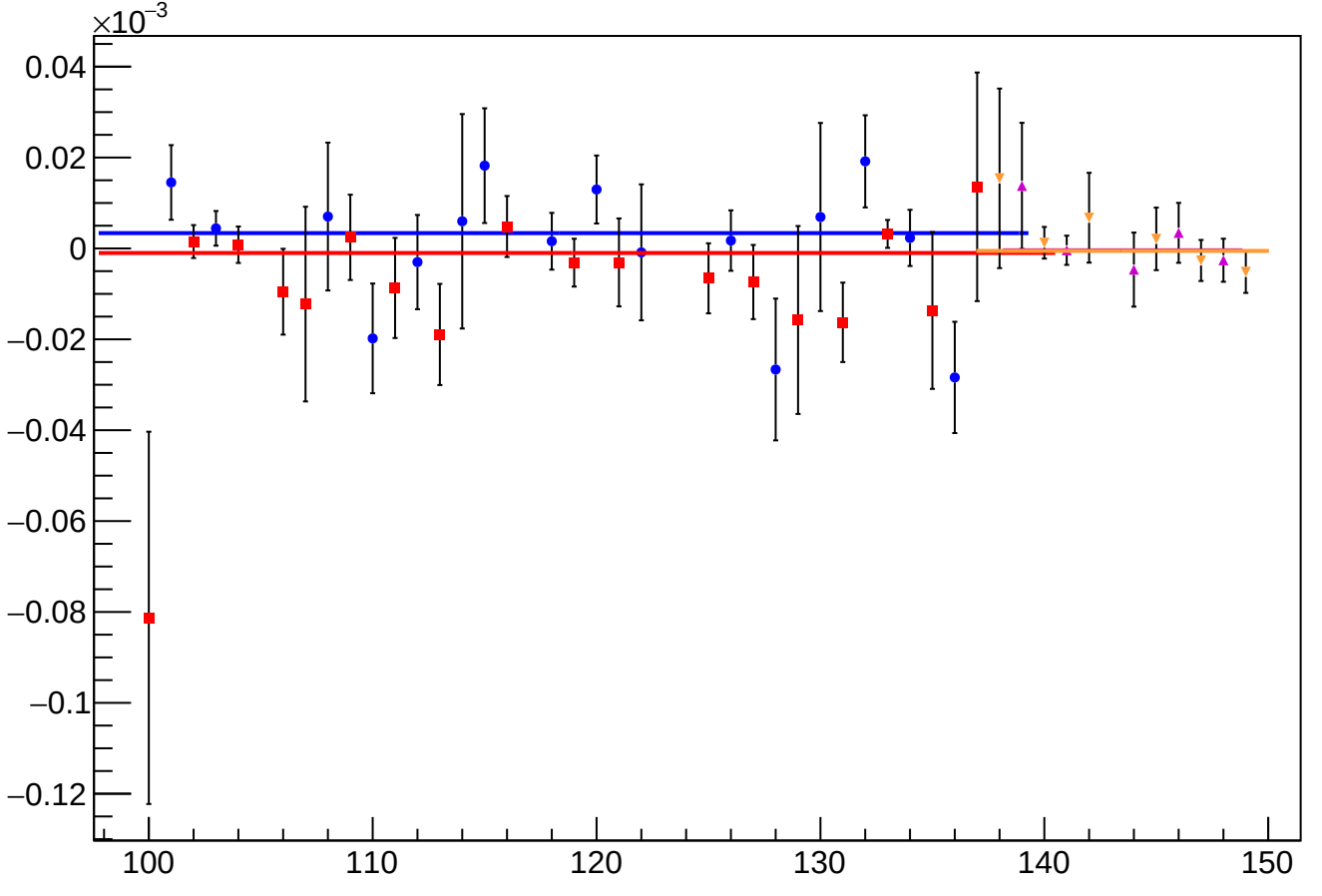
Left: 46.463+/-0.012 χ^2/NDF: 191477.5/10

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.476+/-0.011 χ^2/NDF:2420248.8/20

Out: 49.949+/-0.012 χ^2/NDF:2347513.1/23

All: 49.195+/-0.008 χ^2/NDF: 4775836.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

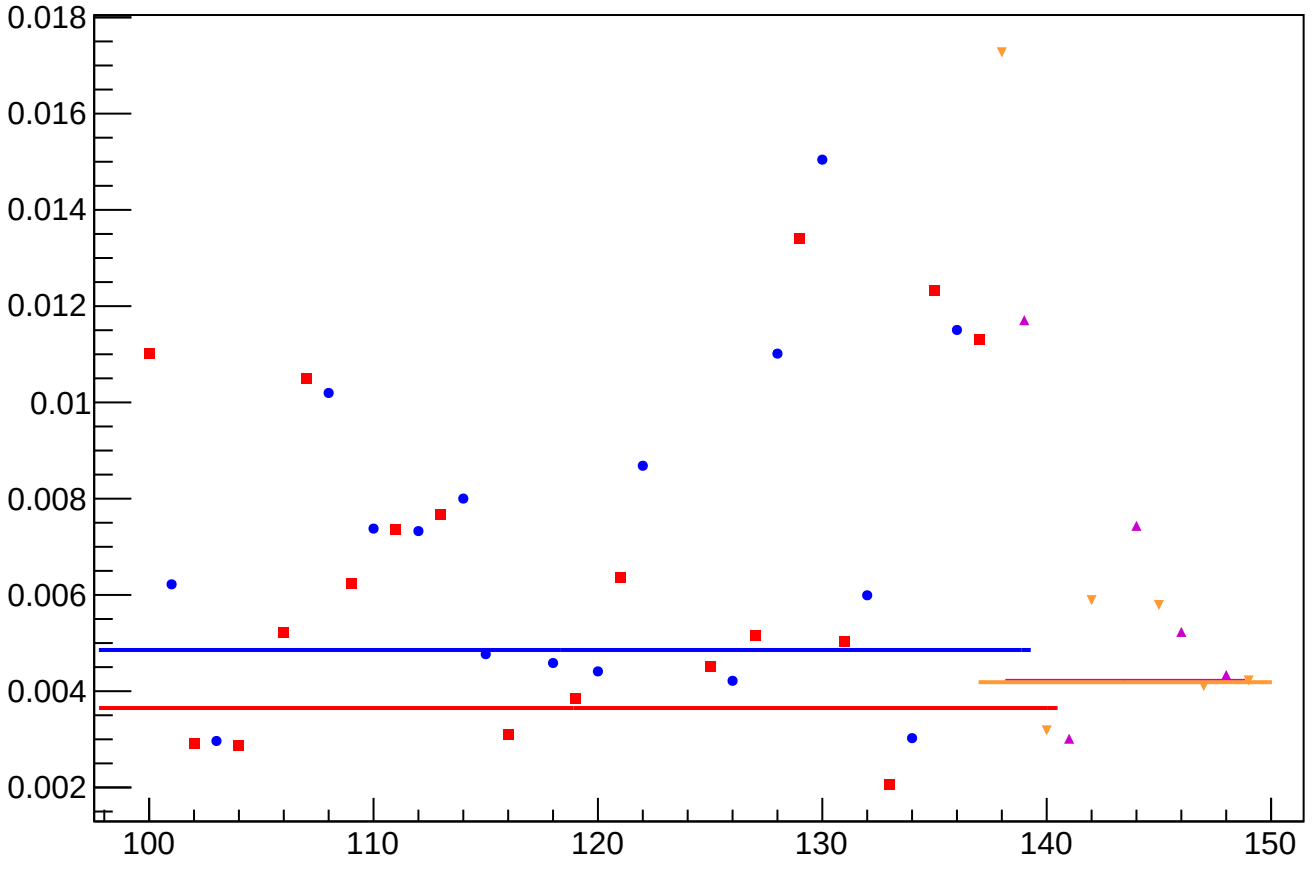
Left: -0.000+/-0.000 χ^2/NDF: 4.7/10

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:20.1/23

All: 0.000+/-0.000 χ^2/NDF: 47.2/44



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211970.5/5

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: 2436536.2/10

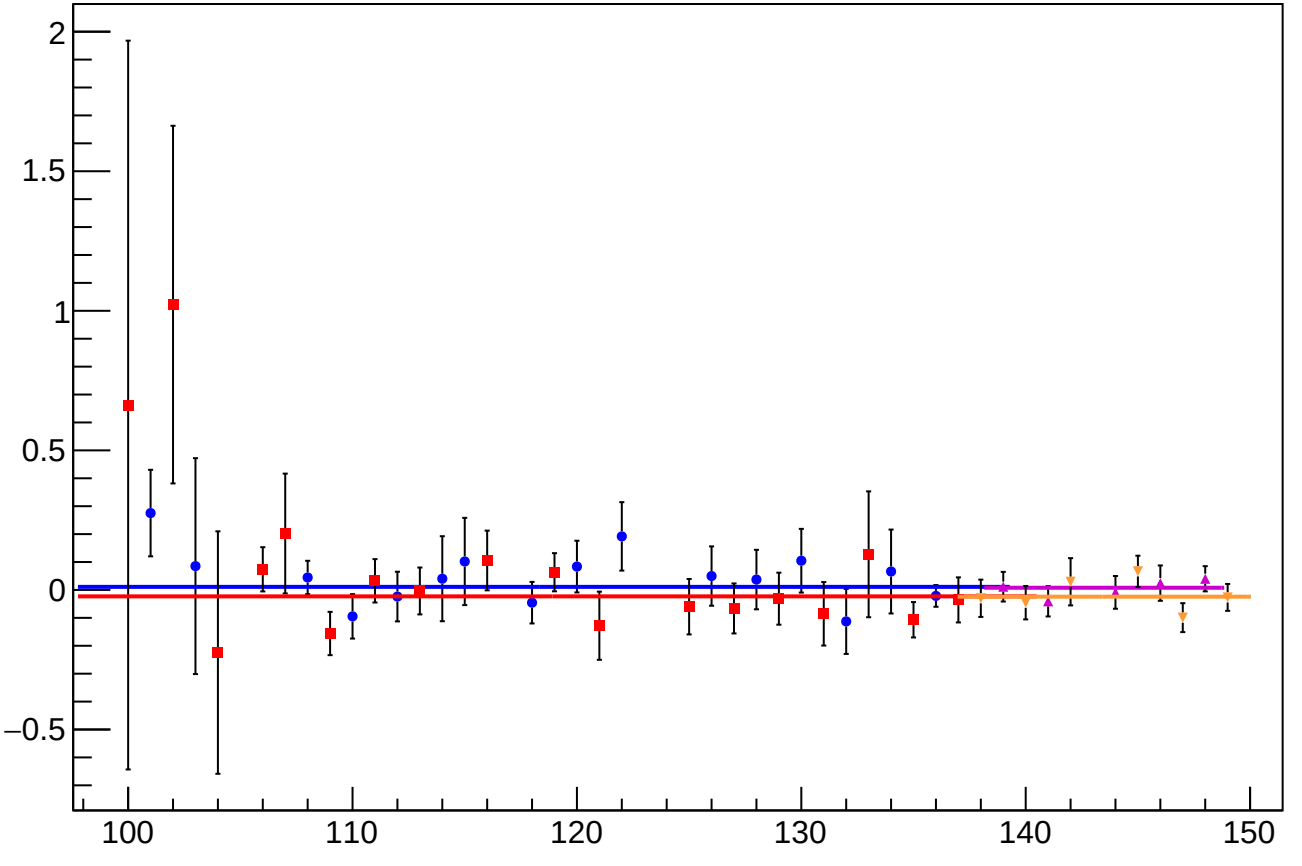
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:4054010.5/20

Out: 0.004+/-0.000 χ^2/NDF:4401201.1/23

All: 0.004+/-0.000 χ^2/NDF: 8725659.7/44

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.024 χ^2/NDF:5.3/5

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: -0.008+/-0.017 χ^2/NDF: 7.6/10

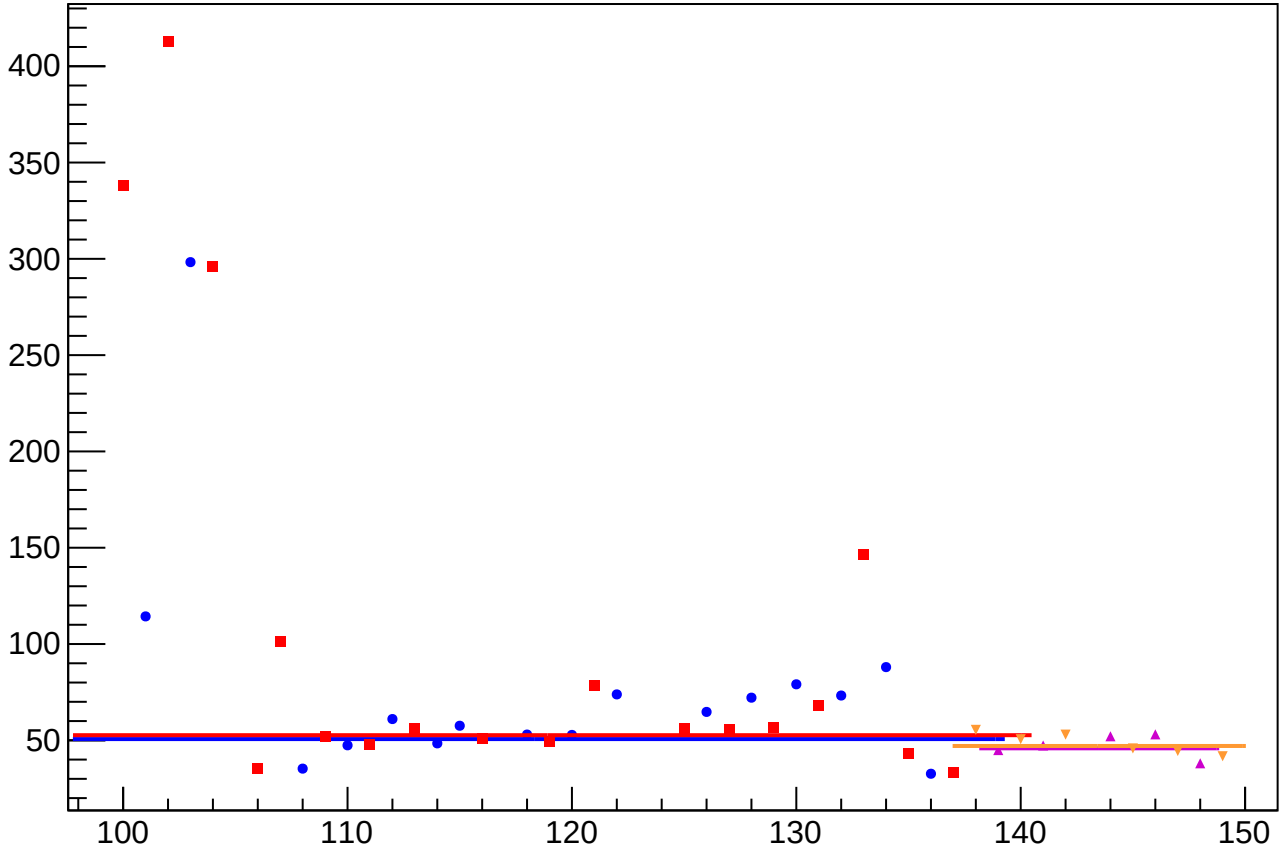
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.024+/-0.017 χ^2/NDF:21.2/23

All: -0.007+/-0.012 χ^2/NDF: 36.5/44

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: 47.066+/-0.017 χ^2/NDF:78627.1/5

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: 46.464+/-0.012 χ^2/NDF: 191479.7/10

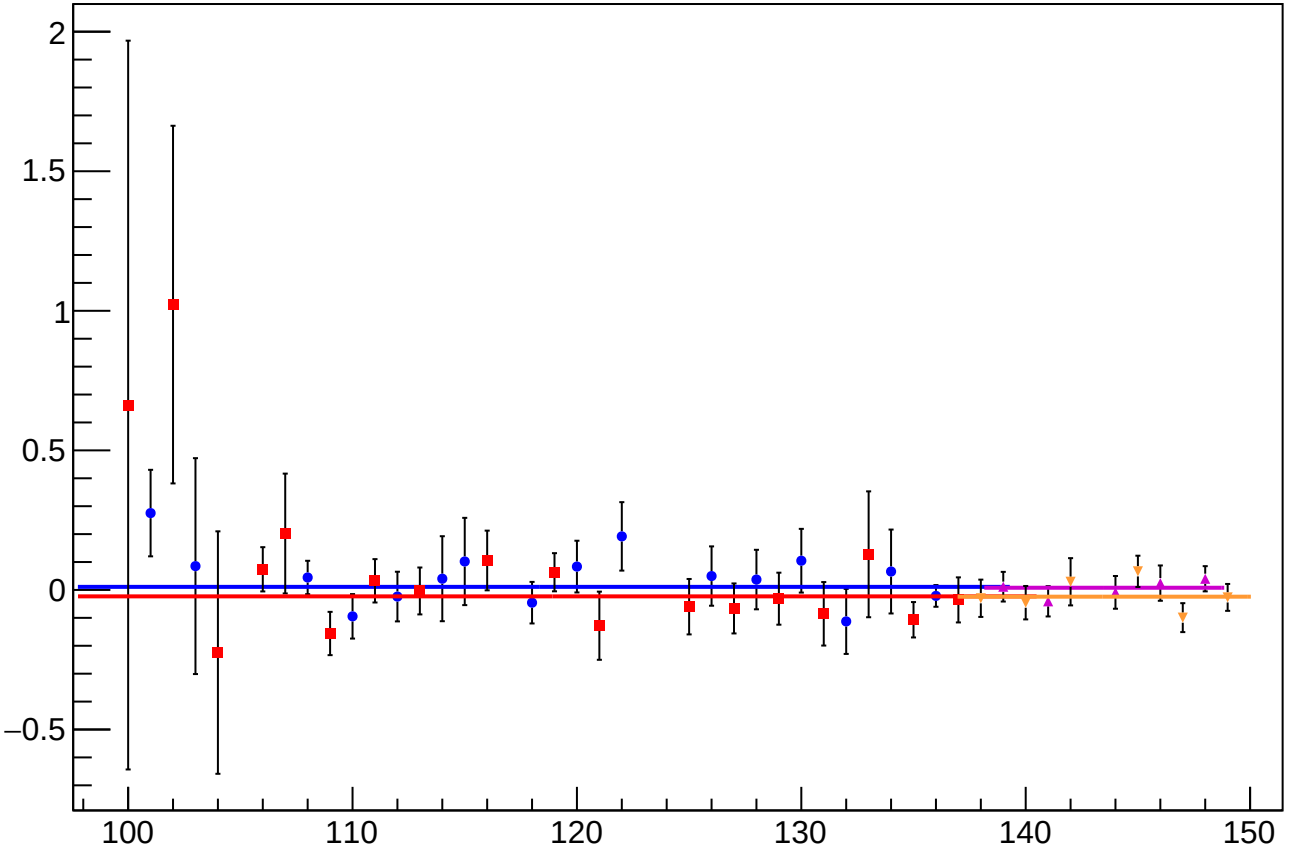
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.477+/-0.011 χ^2/NDF:2420118.1/20

Out: 49.950+/-0.012 χ^2/NDF:2347429.0/23

All: 49.196+/-0.008 χ^2/NDF: 4775621.7/44

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.024+/-0.024 χ^2/NDF:5.3/5

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: -0.008+/-0.017 χ^2/NDF: 7.6/10

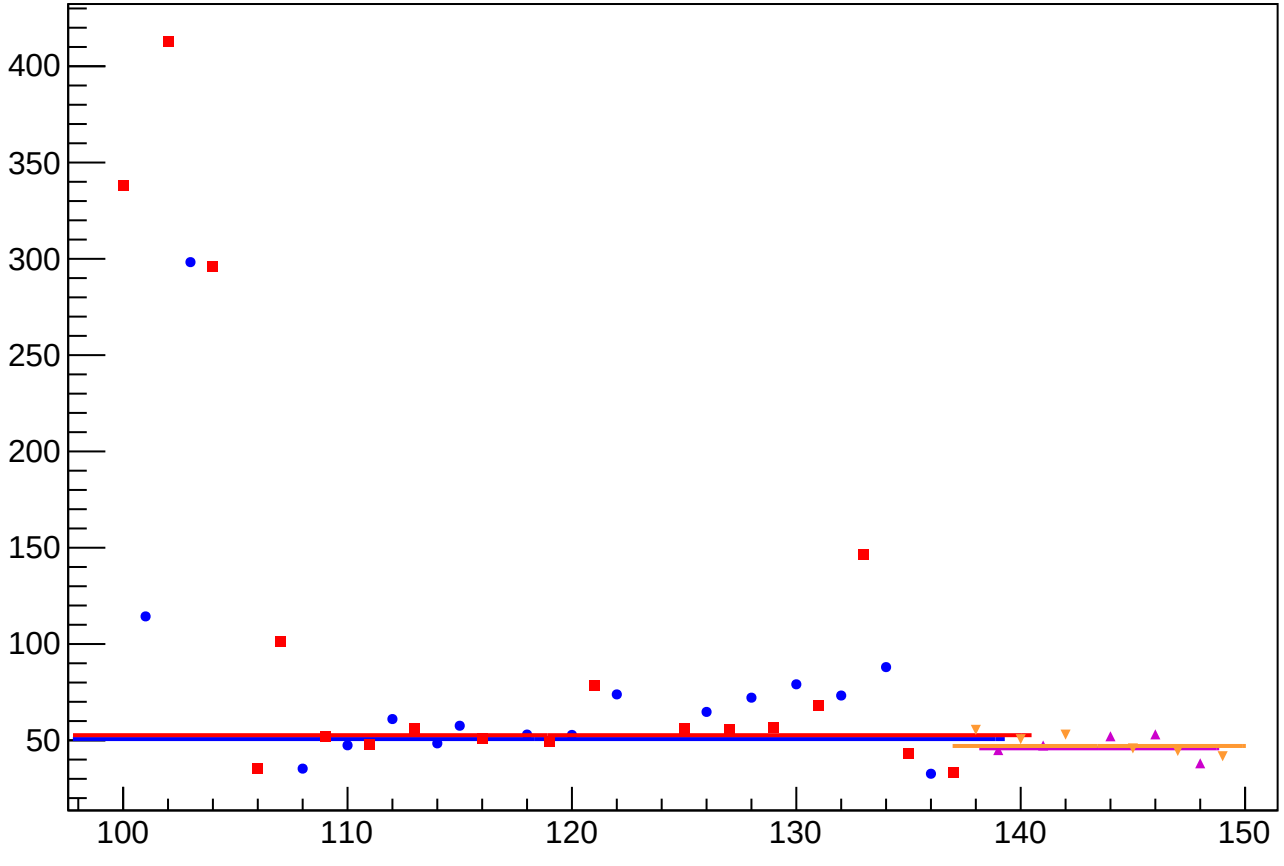
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.010+/-0.016 χ^2/NDF:13.2/20

Out: -0.024+/-0.017 χ^2/NDF:21.2/23

All: -0.007+/-0.012 χ^2/NDF: 36.5/44

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: 47.066+/-0.017 χ^2/NDF:78627.1/5

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.847+/-0.017 χ^2/NDF:110260.4/4

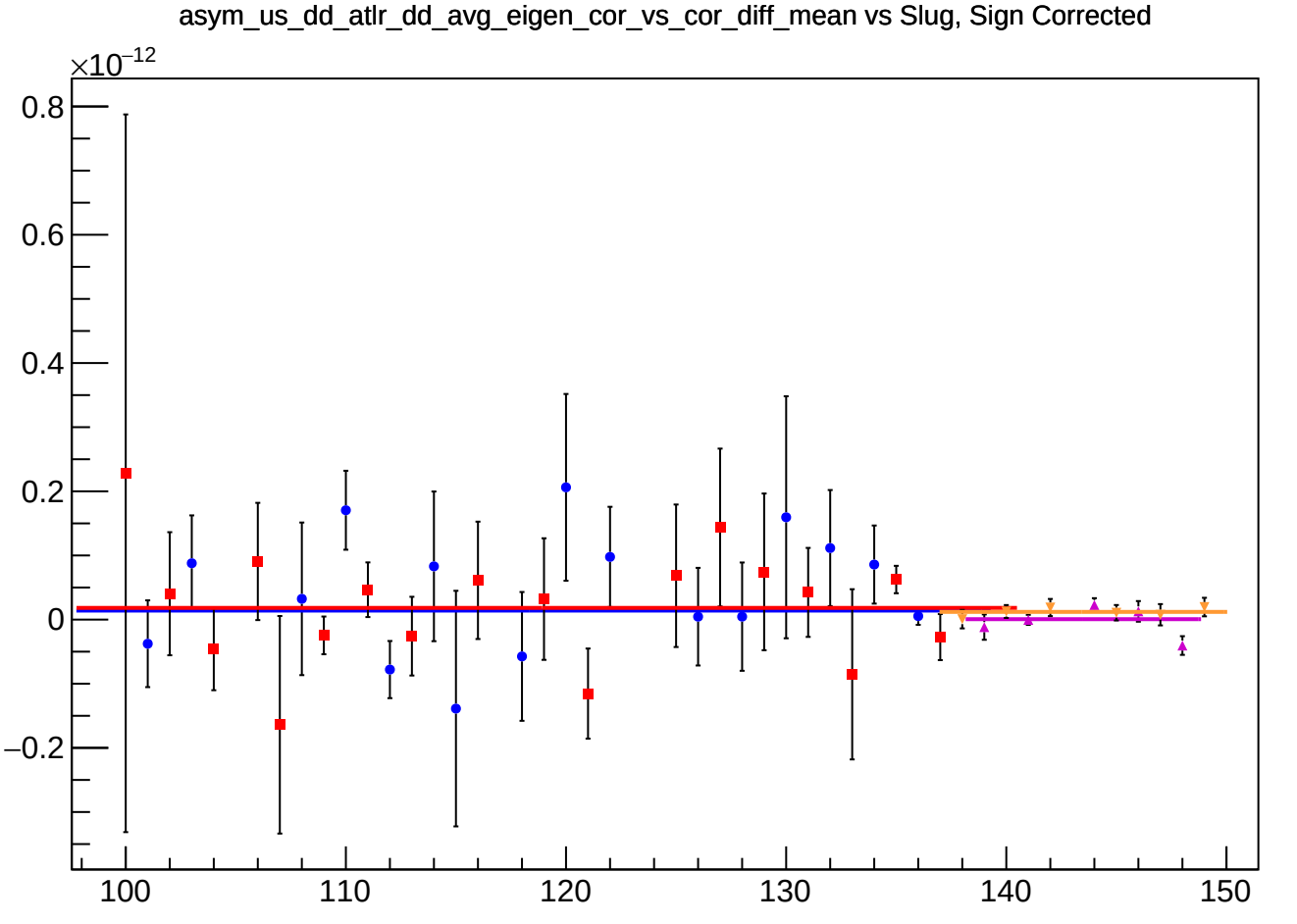
Left: 46.464+/-0.012 χ^2/NDF: 191479.7/10

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.477+/-0.011 χ^2/NDF:2420118.1/20

Out: 49.950+/-0.012 χ^2/NDF:2347429.0/23

All: 49.196+/-0.008 χ^2/NDF: 4775621.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.3/4

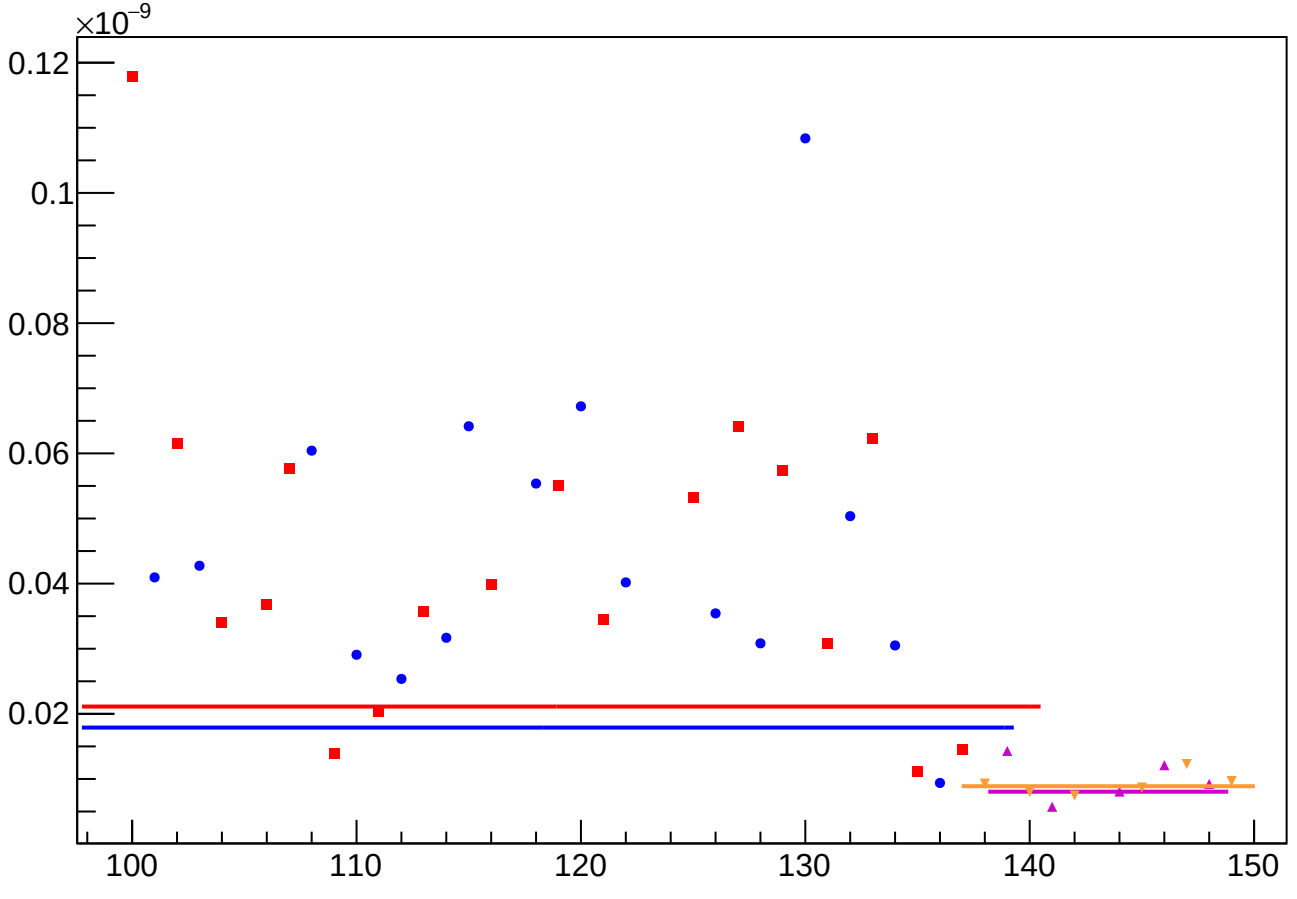
Left: 0.000+/-0.000 χ^2/NDF: 16.8/10

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:19.5/23

All: 0.000+/-0.000 χ^2/NDF: 56.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:129958.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:516063.0/4

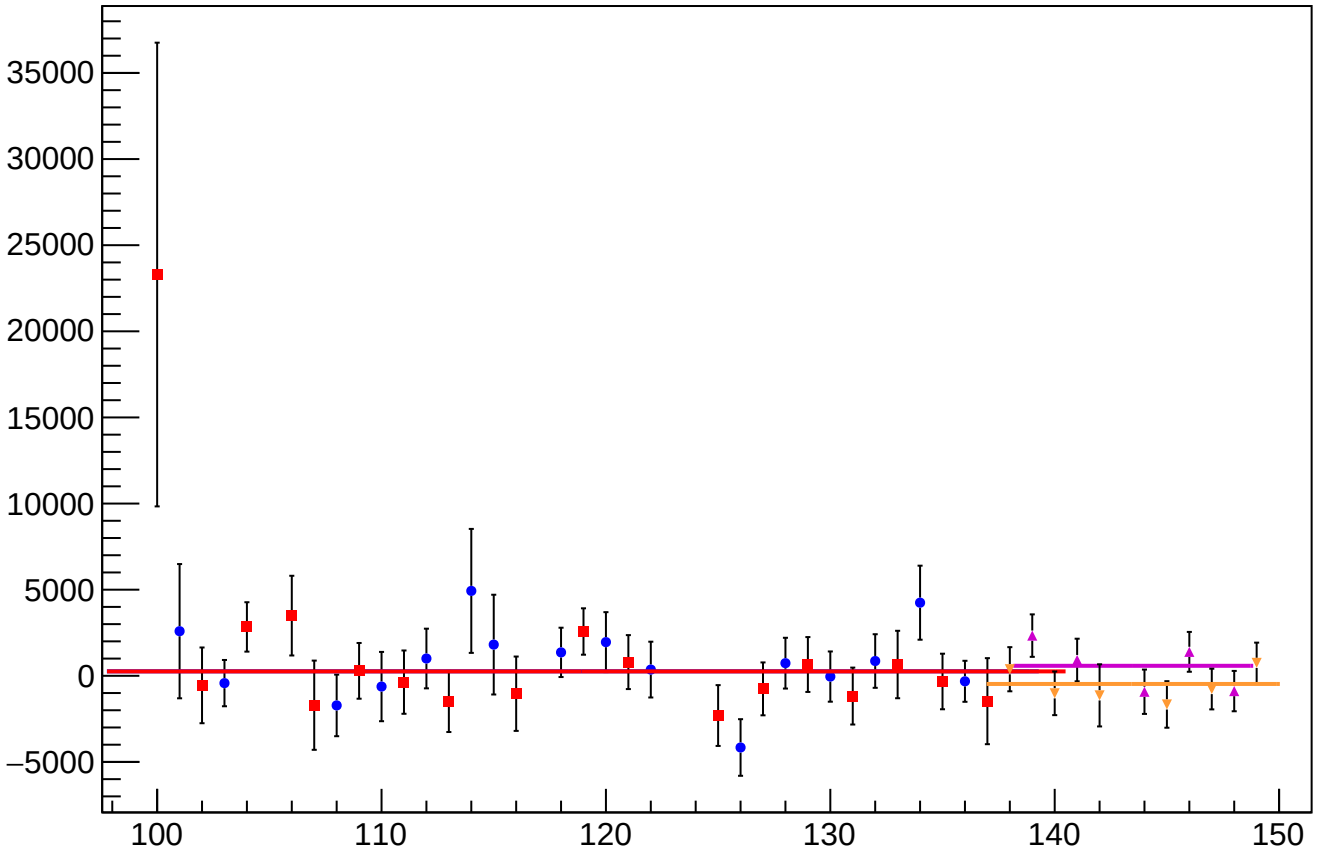
Left: 0.000+/-0.000 χ^2/NDF: 671438.6/10

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:4368547.1/23

All: 0.000+/-0.000 χ^2/NDF: 9567443.2/44



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -473.400+/-532.366 χ^2/NDF:2.7/5

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 580.770+/-542.960 χ^2/NDF:5.5/4

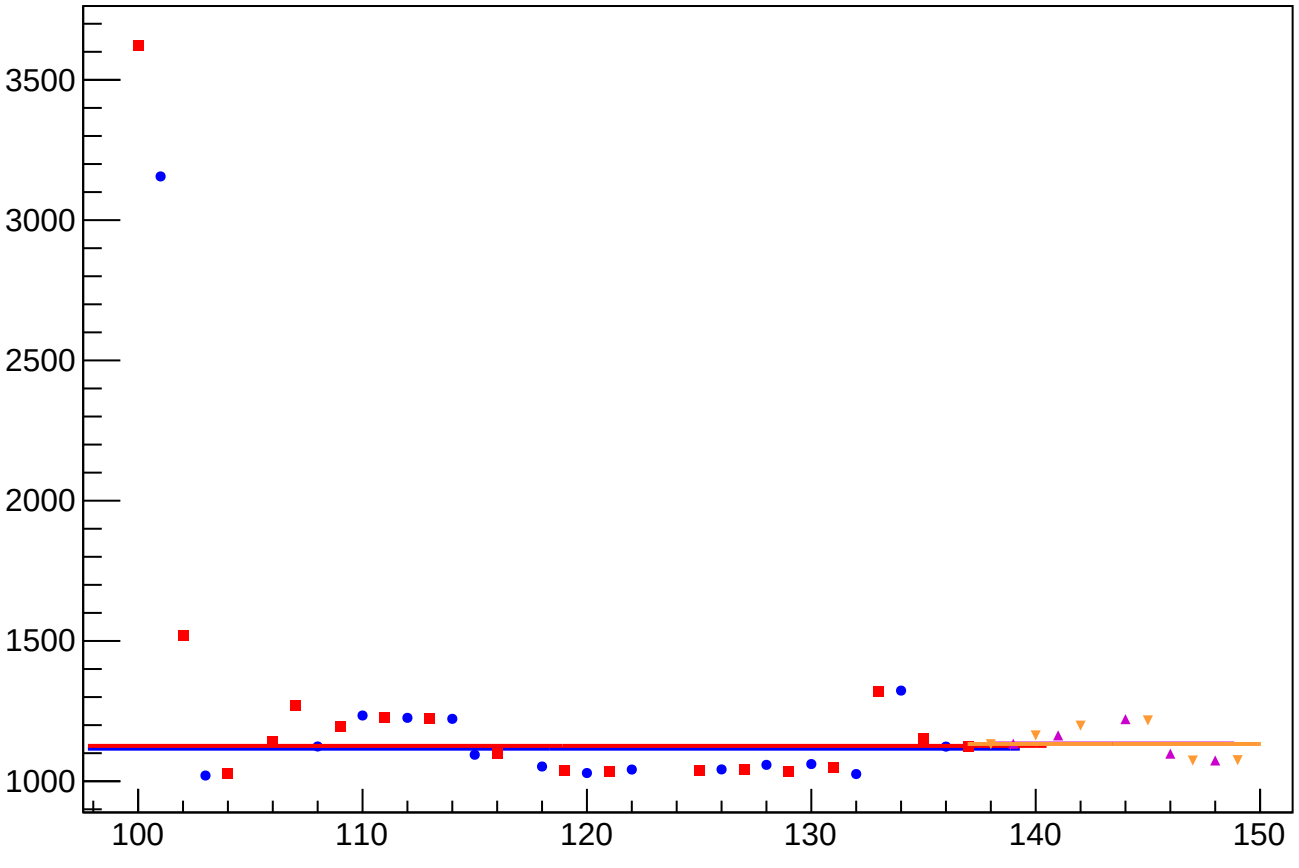
Left: 43.300+/-380.130 χ^2/NDF: 10.1/10

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 382.239+/-334.500 χ^2/NDF:22.7/20

Out: -28.596+/-332.515 χ^2/NDF:21.2/23

All: 175.599+/-235.822 χ^2/NDF: 44.6/44



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1132.899+/-0.376 χ^2/NDF:21342.5/5

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

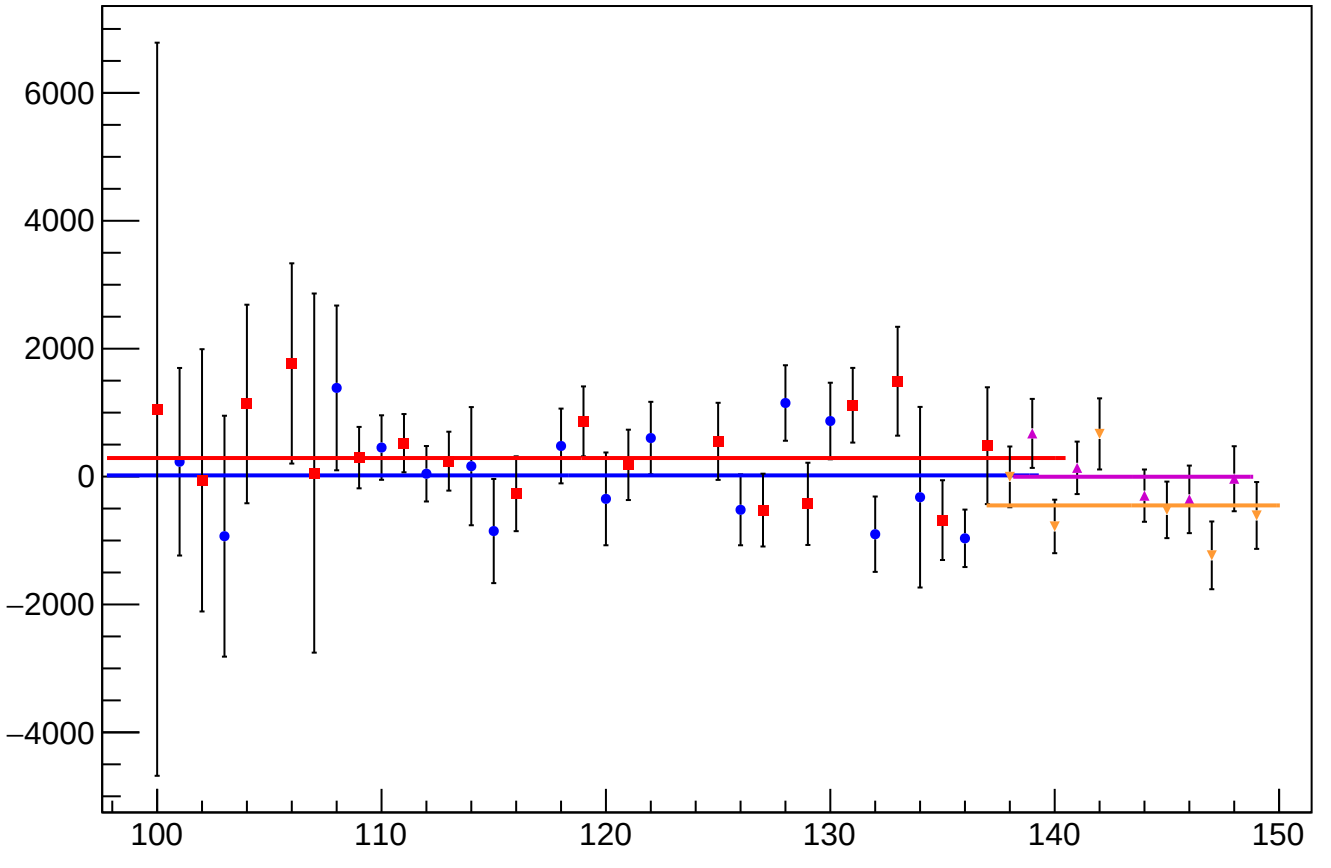
Left: 1133.657+/-0.269 χ^2/NDF: 38838.3/10

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1123.056+/-0.237 χ^2/NDF:642296.6/20

Out: 1128.701+/-0.235 χ^2/NDF:243652.4/23

All: 1125.895+/-0.167 χ^2/NDF: 886235.5/44



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -451.030+/-197.183 χ^2/NDF:7.8/5

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: -240.314+/-143.547 χ^2/NDF: 12.9/10

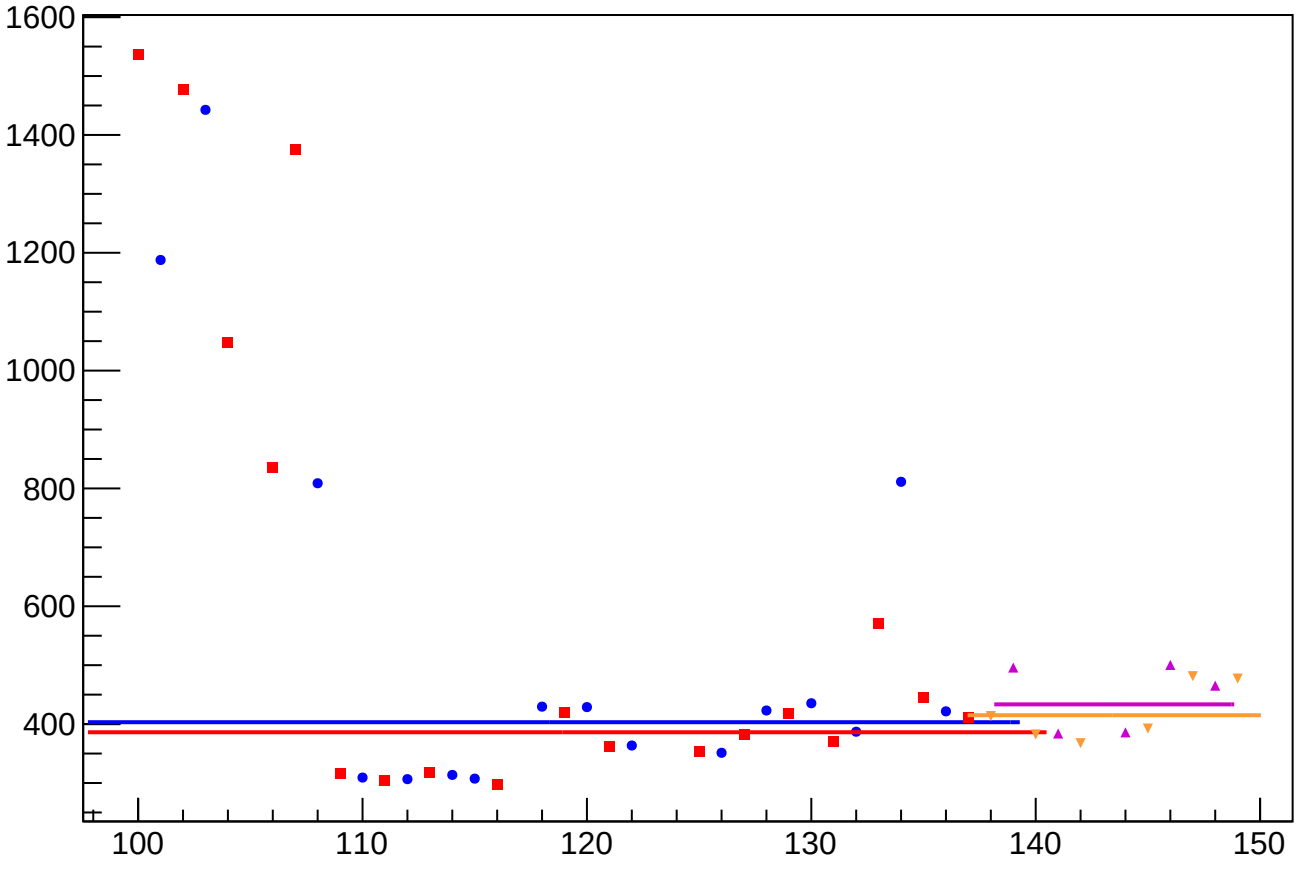
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 10.578+/-127.748 χ^2/NDF:21.9/20

Out: 4.277+/-122.433 χ^2/NDF:30.0/23

All: 7.293+/-88.393 χ^2/NDF: 51.9/44

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 415.062+/-0.139 χ^2/NDF:91601.1/5

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 433.470+/-0.148 χ^2/NDF:122780.1/4

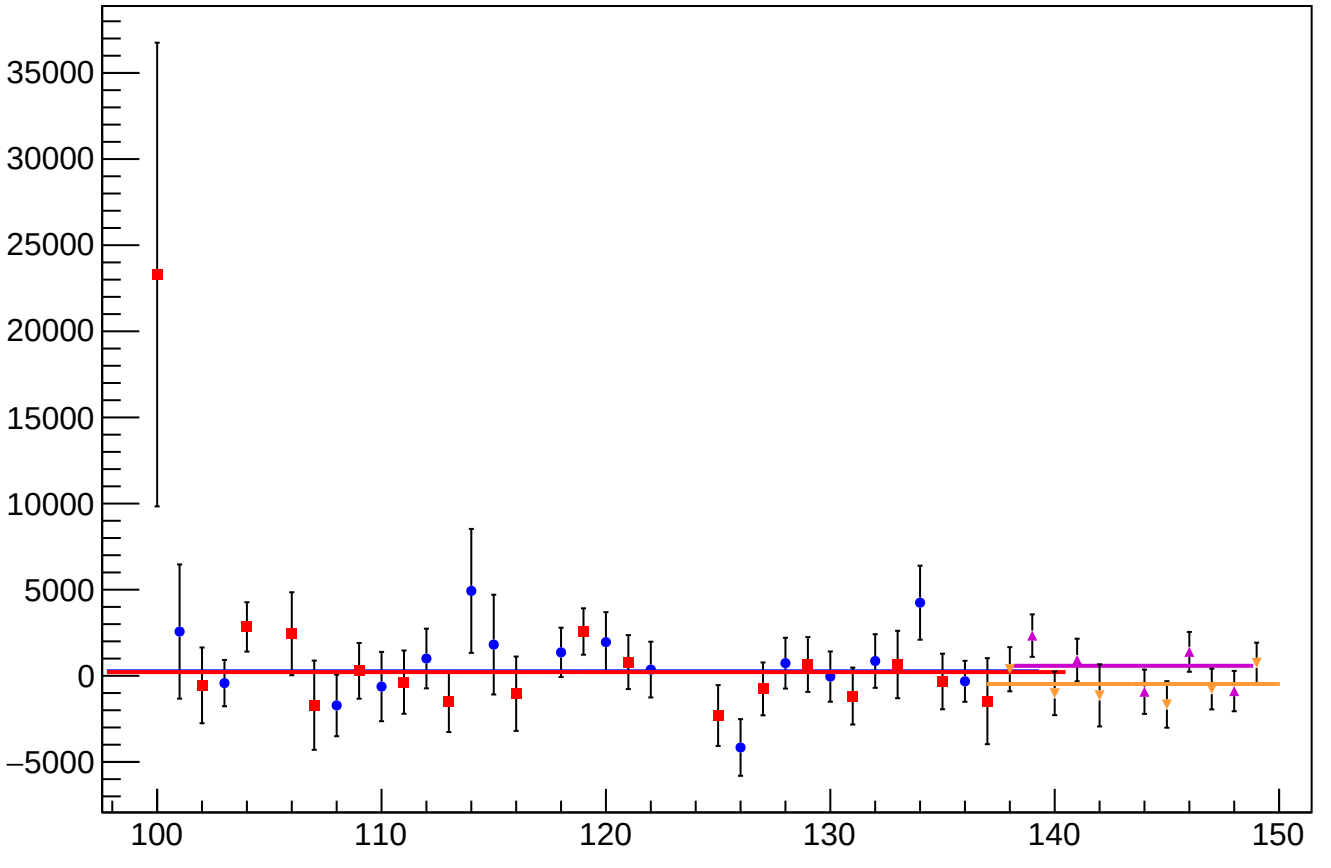
Left: 423.714+/-0.102 χ^2/NDF: 222573.9/10

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 414.464+/-0.090 χ^2/NDF:1957462.2/20

Out: 397.294+/-0.087 χ^2/NDF:1877142.3/23

All: 405.515+/-0.063 χ^2/NDF: 3853437.4/44



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -473.387+/-532.366 χ^2/NDF:2.7/5

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 580.779+/-542.960 χ^2/NDF:5.5/4

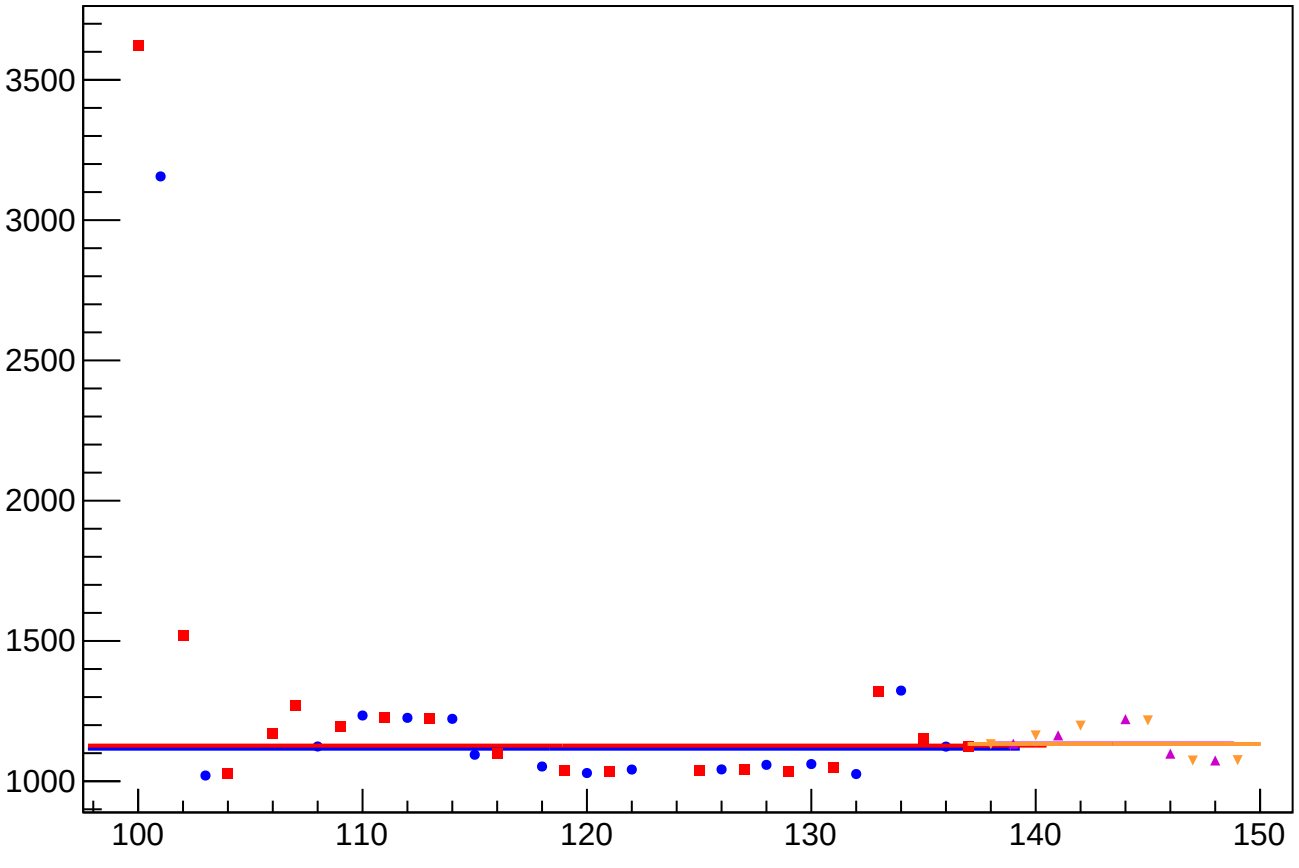
Left: 43.311+/-380.130 χ^2/NDF: 10.1/10

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 382.005+/-334.500 χ^2/NDF:22.7/20

Out: -54.288+/-332.780 χ^2/NDF:19.9/23

All: 162.734+/-235.917 χ^2/NDF: 43.5/44



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1132.899+/-0.376 χ^2/NDF:21342.5/5

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1134.445+/-0.384 χ^2/NDF:17487.5/4

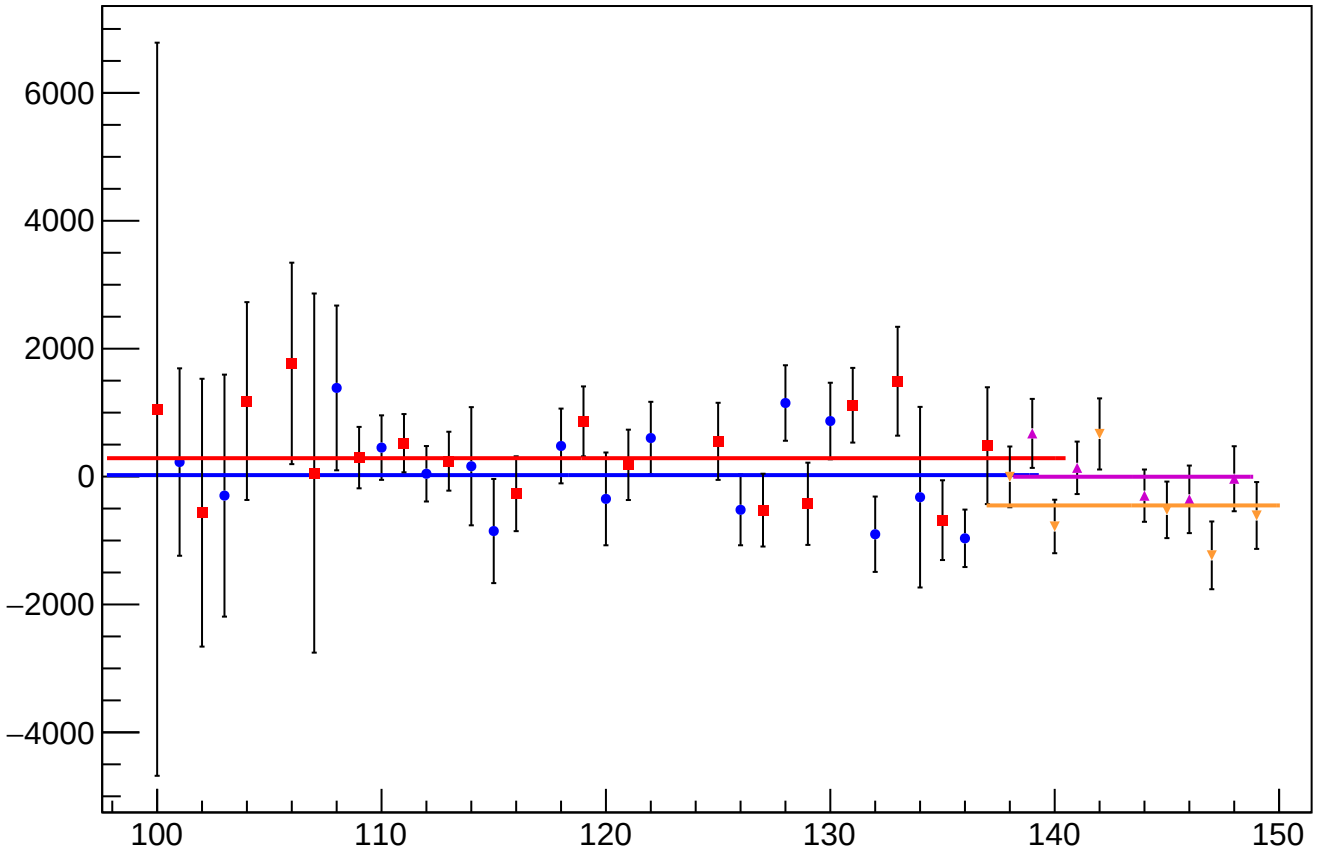
Left: 1133.657+/-0.269 χ^2/NDF: 38838.3/10

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1123.056+/-0.237 χ^2/NDF:642297.6/20

Out: 1129.281+/-0.235 χ^2/NDF:244234.3/23

All: 1126.184+/-0.167 χ^2/NDF: 886880.1/44



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -451.176+/-197.182 χ^2/NDF:7.8/5

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: -240.332+/-143.547 χ^2/NDF: 12.9/10

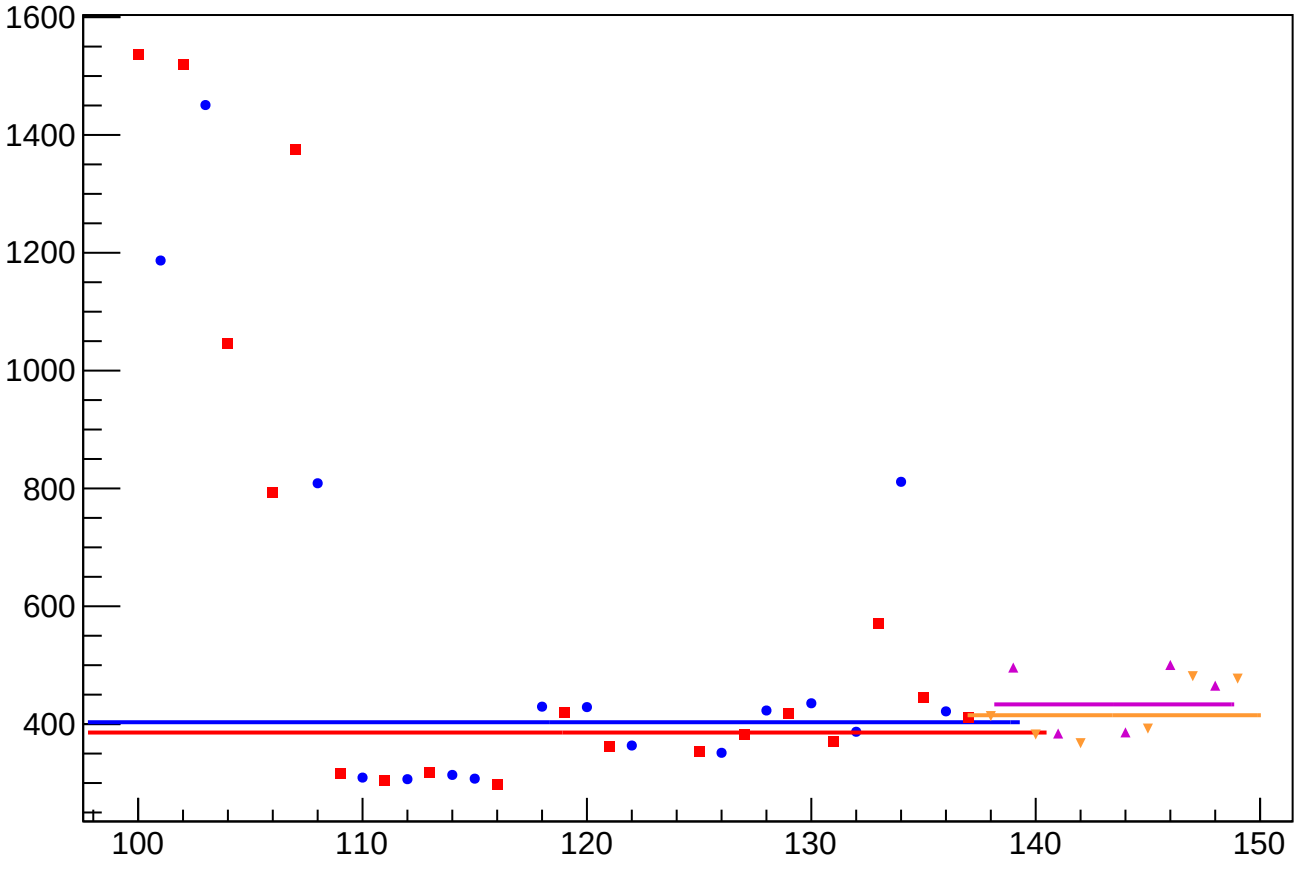
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 13.421+/-127.749 χ^2/NDF:21.6/20

Out: 2.733+/-122.444 χ^2/NDF:30.1/23

All: 7.851+/-88.397 χ^2/NDF: 51.7/44

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: 415.059+/-0.139 χ^2/NDF:91596.9/5

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

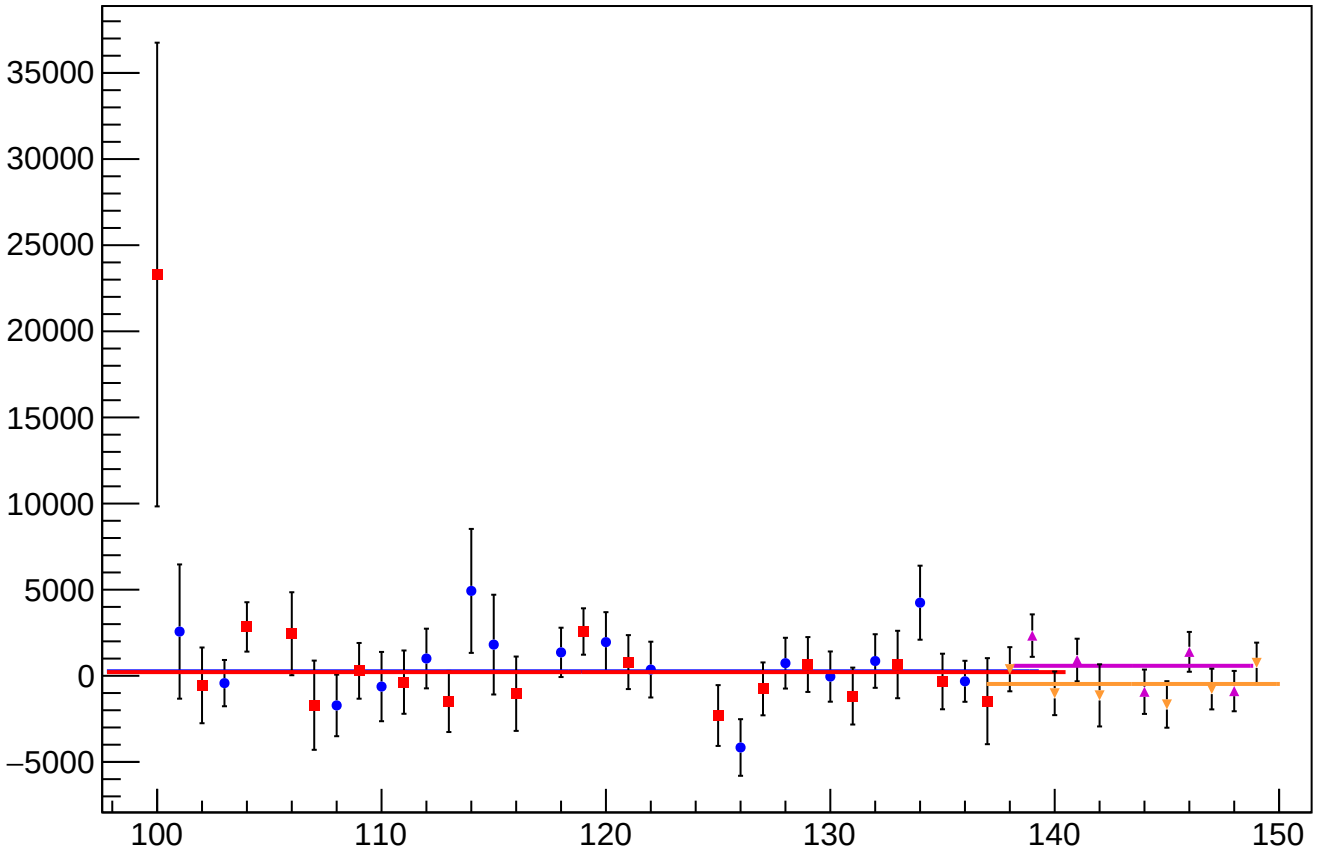
Left: 423.711+/-0.102 χ^2/NDF: 222547.3/10

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 414.456+/-0.090 χ^2/NDF:1961134.9/20

Out: 397.010+/-0.087 χ^2/NDF:1866024.6/23

All: 405.363+/-0.063 χ^2/NDF: 3846601.4/44



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -473.387+/-532.366 χ^2/NDF:2.7/5

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 580.779+/-542.960 χ^2/NDF:5.5/4

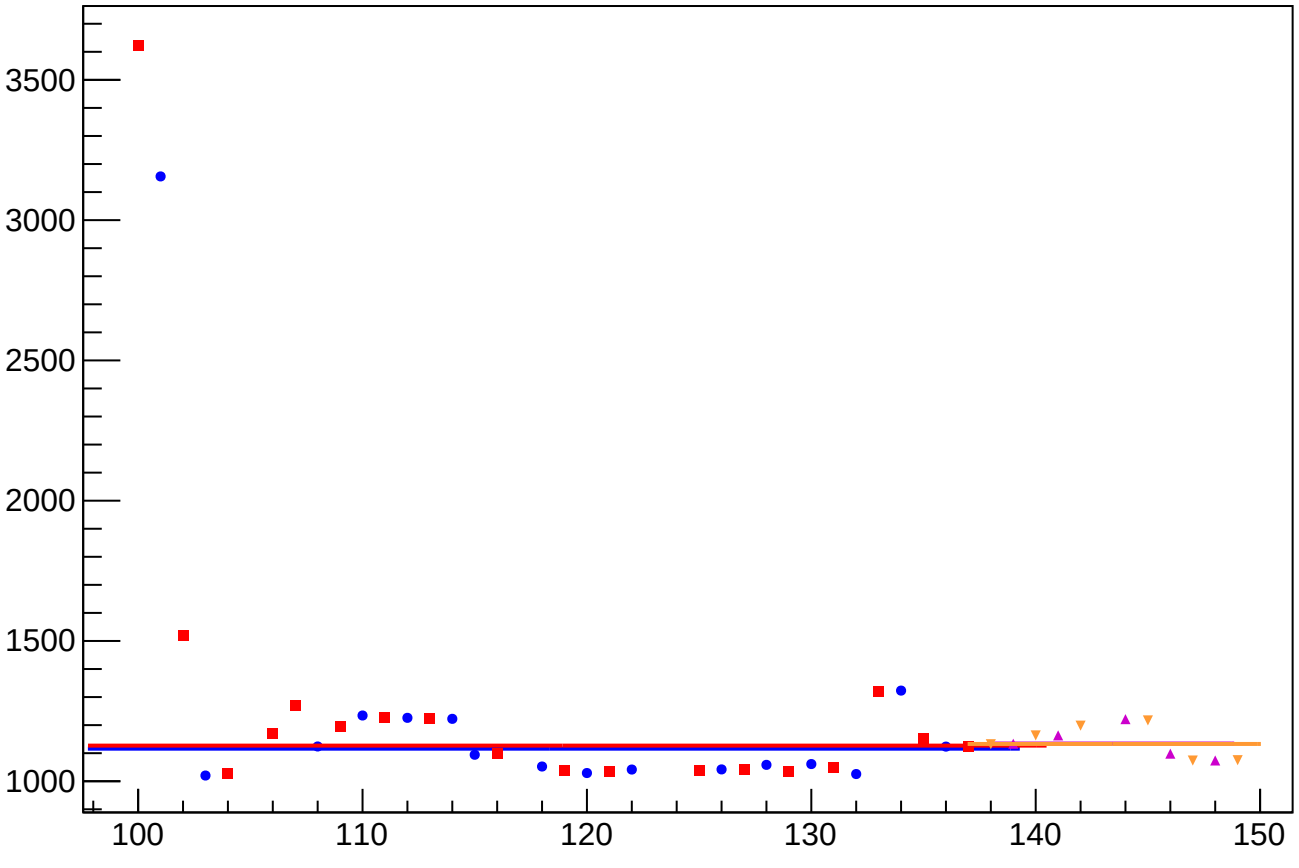
Left: 43.311+/-380.130 χ^2/NDF: 10.1/10

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 382.005+/-334.500 χ^2/NDF:22.7/20

Out: -54.288+/-332.780 χ^2/NDF:19.9/23

All: 162.734+/-235.917 χ^2/NDF: 43.5/44



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1132.899+/-0.376 χ^2/NDF:21342.5/5

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: 1133.657+/-0.269 χ^2/NDF: 38838.3/10

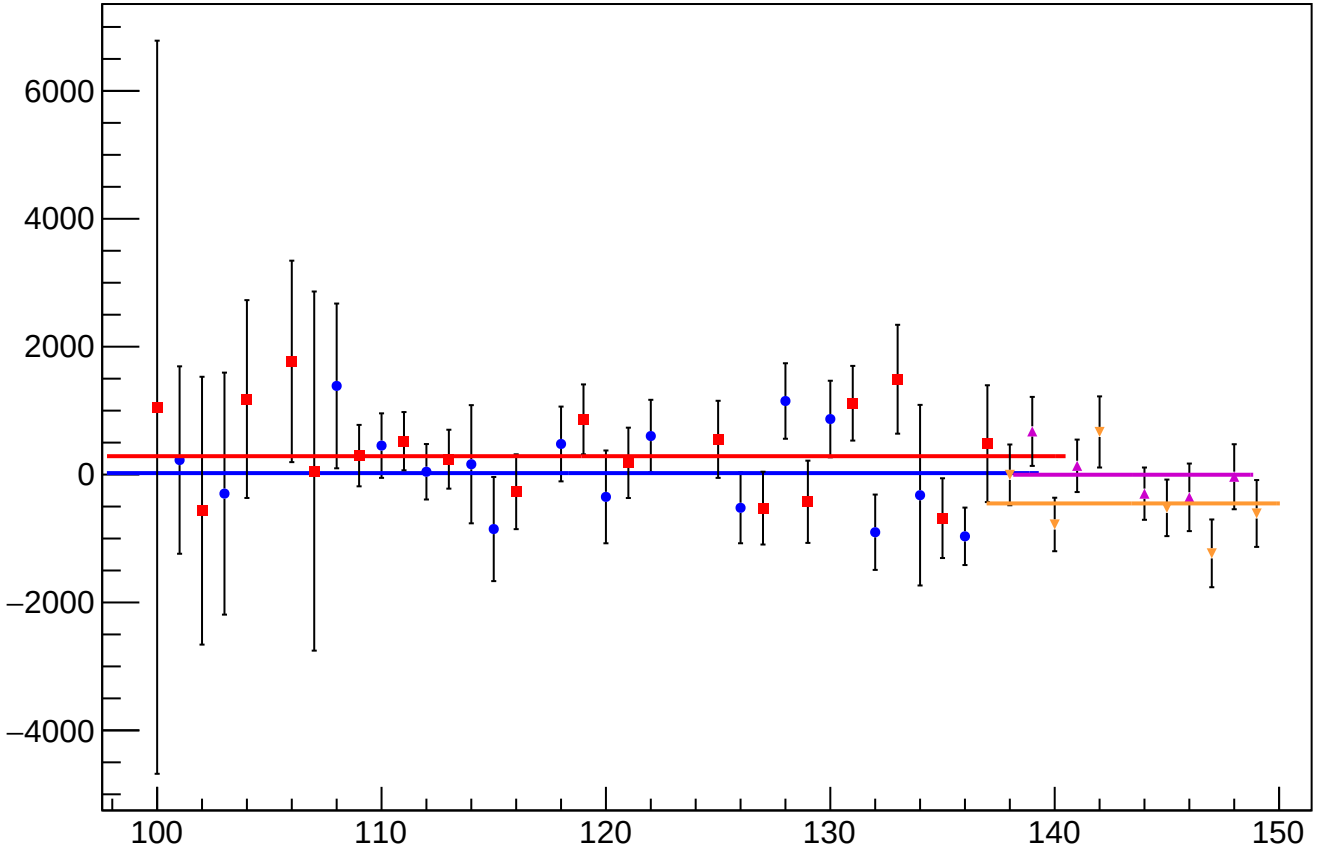
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1123.056+/-0.237 χ^2/NDF:642297.6/20

Out: 1129.281+/-0.235 χ^2/NDF:244234.3/23

All: 1126.184+/-0.167 χ^2/NDF: 886880.1/44

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: -451.176+/-197.182 χ^2/NDF:7.8/5

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: -240.332+/-143.547 χ^2/NDF: 12.9/10

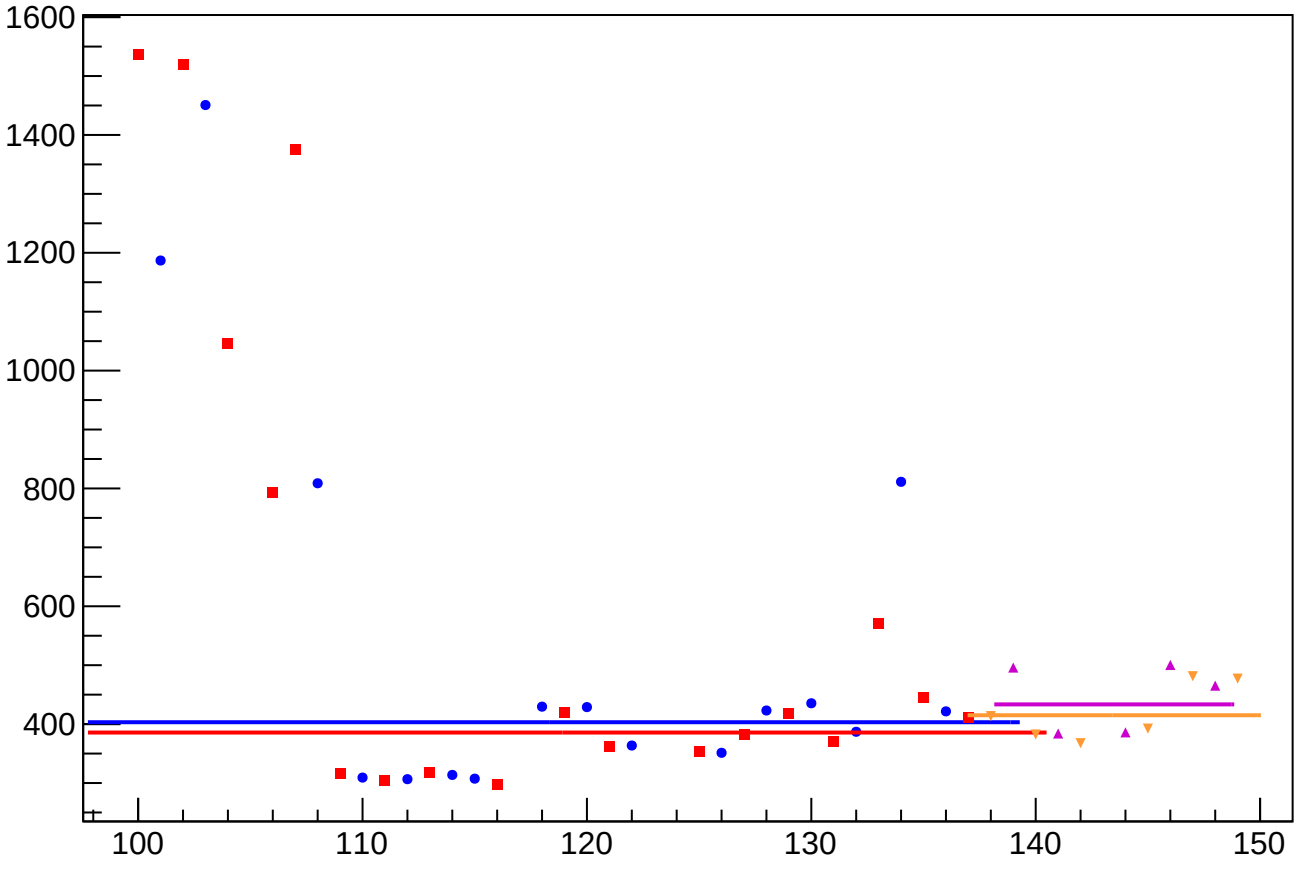
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 13.421+/-127.749 χ^2/NDF:21.6/20

Out: 2.733+/-122.444 χ^2/NDF:30.1/23

All: 7.851+/-88.397 χ^2/NDF: 51.7/44

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: 415.059+/-0.139 χ^2/NDF:91596.9/5

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 433.467+/-0.148 χ^2/NDF:122757.5/4

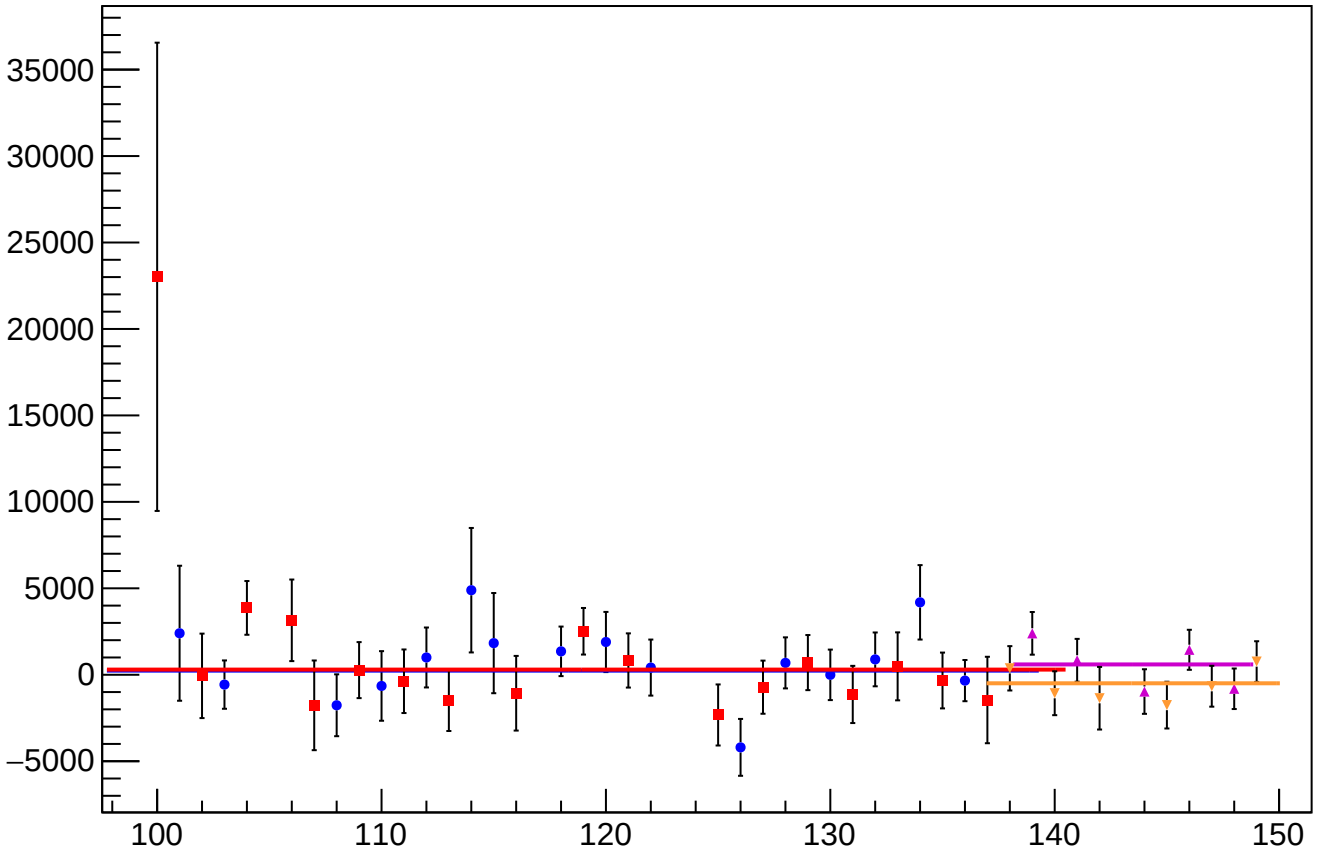
Left: 423.711+/-0.102 χ^2/NDF: 222547.3/10

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 414.456+/-0.090 χ^2/NDF:1961134.9/20

Out: 397.010+/-0.087 χ^2/NDF:1866024.6/23

All: 405.363+/-0.063 χ^2/NDF: 3846601.4/44



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -492.683+/-532.974 χ^2/NDF:2.9/5

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 597.960+/-543.492 χ^2/NDF:5.6/4

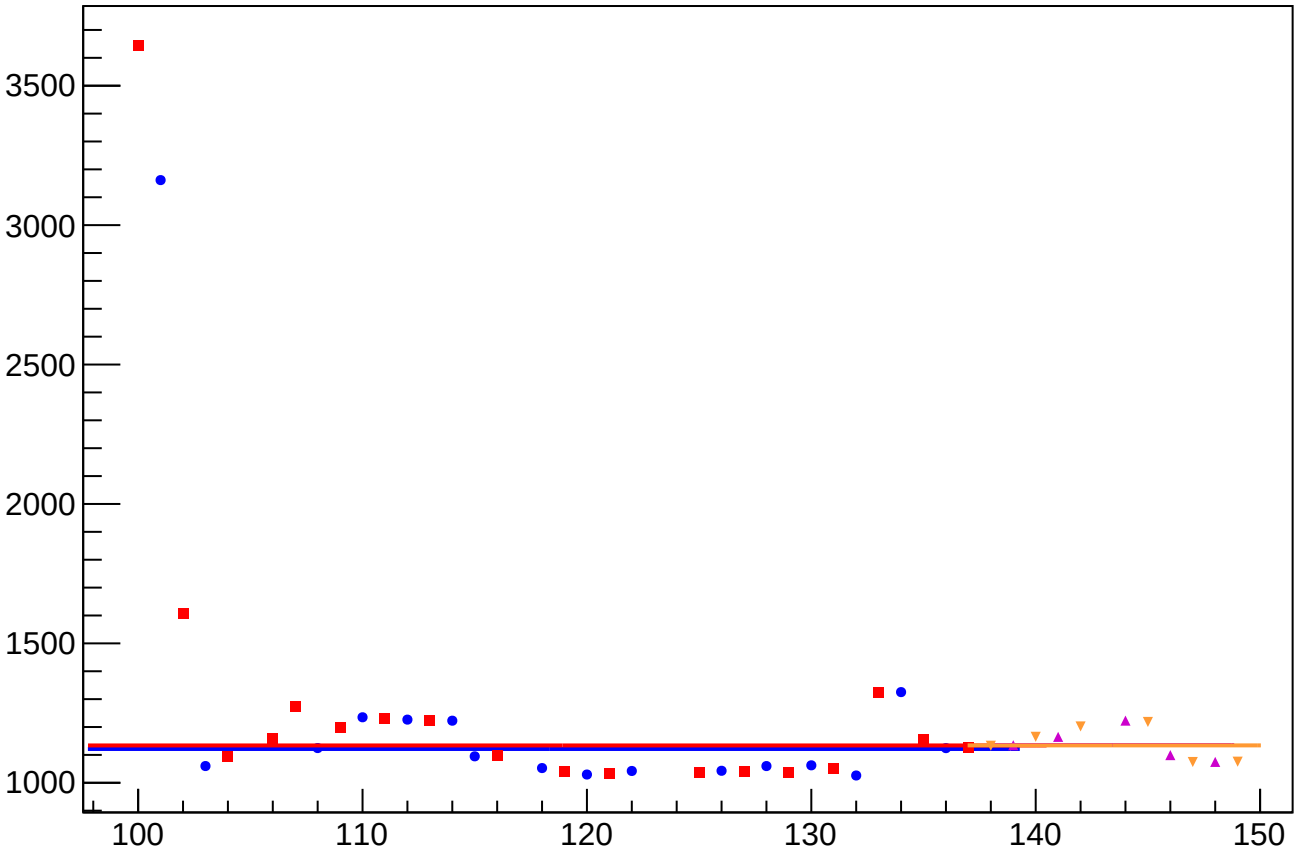
Left: 41.983+/-380.534 χ^2/NDF: 10.6/10

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 376.973+/-335.568 χ^2/NDF:22.8/20

Out: -13.863+/-335.023 χ^2/NDF:22.9/23

All: 181.237+/-237.090 χ^2/NDF: 46.5/44



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1134.151+/-0.377 χ^2/NDF:21747.9/5

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.8/4

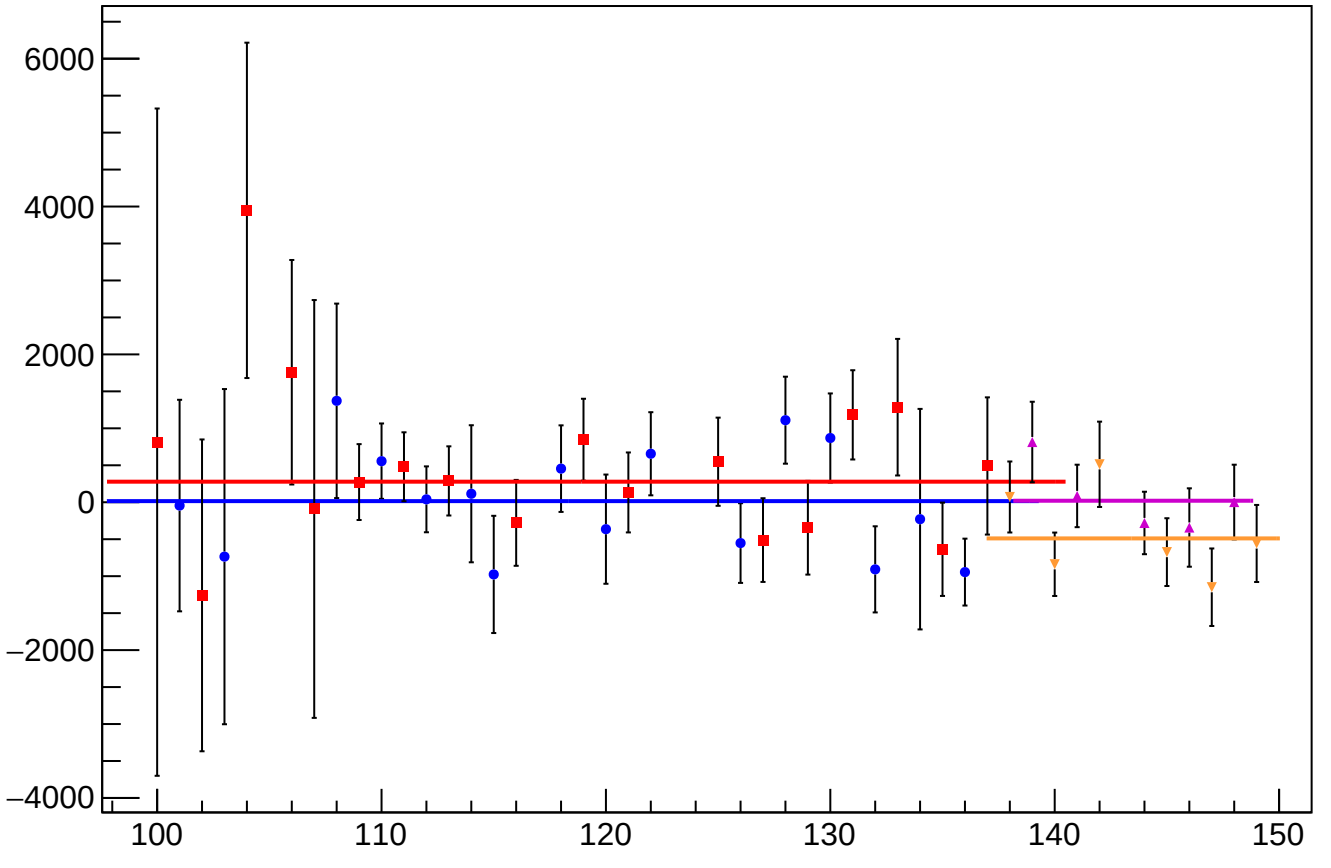
Left: 1134.832+/-0.269 χ^2/NDF: 39384.3/10

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

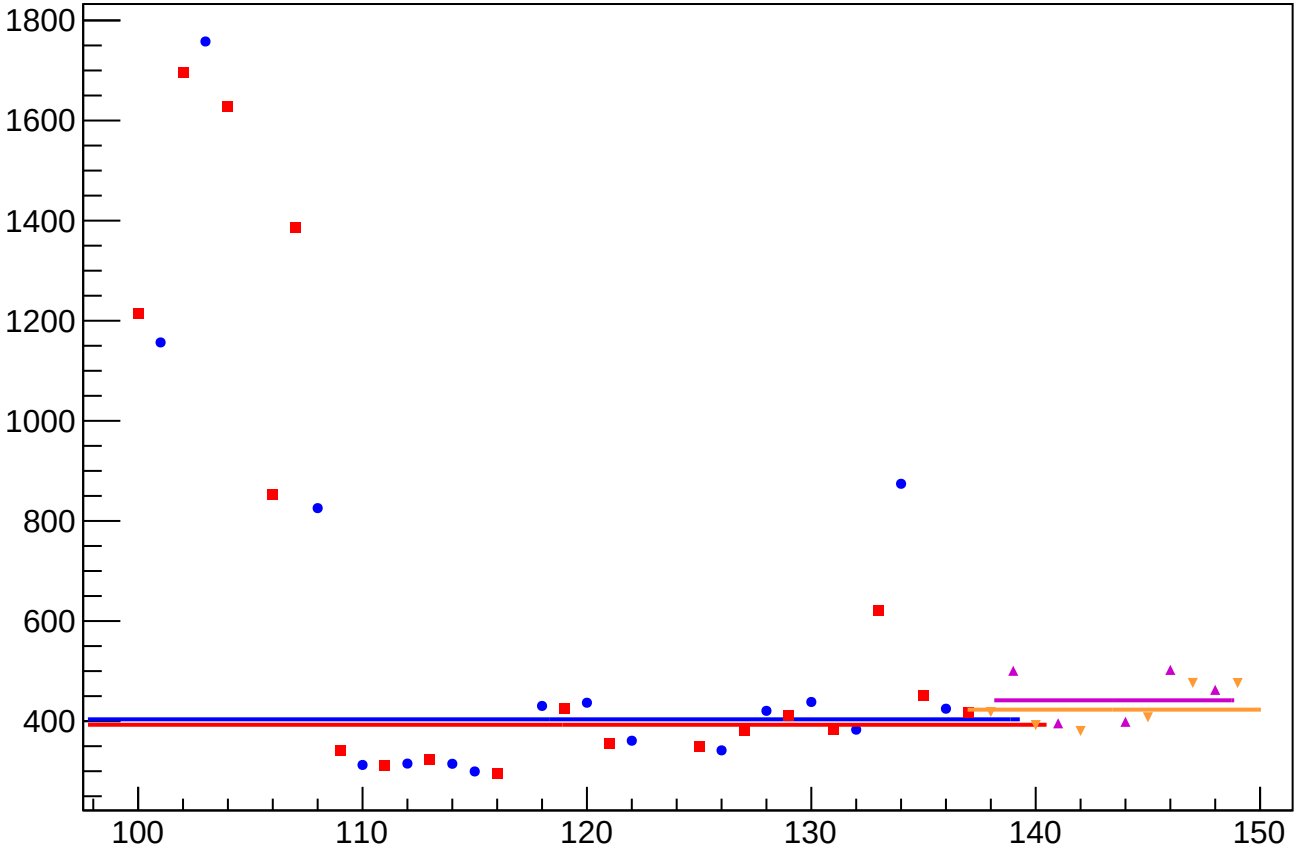
In: 1126.725+/-0.237 χ^2/NDF:635508.4/20

Out: 1134.017+/-0.237 χ^2/NDF:249205.2/23

All: 1130.377+/-0.168 χ^2/NDF: 885186.5/44


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -489.093+/-200.581 χ²/NDF:6.8/5
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: 20.419+/-212.952 χ²/NDF:3.1/4
Left: -249.566+/-146.010 χ²/NDF: 13.0/10
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: 17.169+/-128.855 χ²/NDF:22.7/20
Out: -17.464+/-124.518 χ²/NDF:30.9/23
All: -0.740+/-89.541 χ²/NDF: 53.7/44

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: 423.000+/-0.142 χ^2/NDF:65174.9/5

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 441.630+/-0.151 χ^2/NDF:97481.3/4

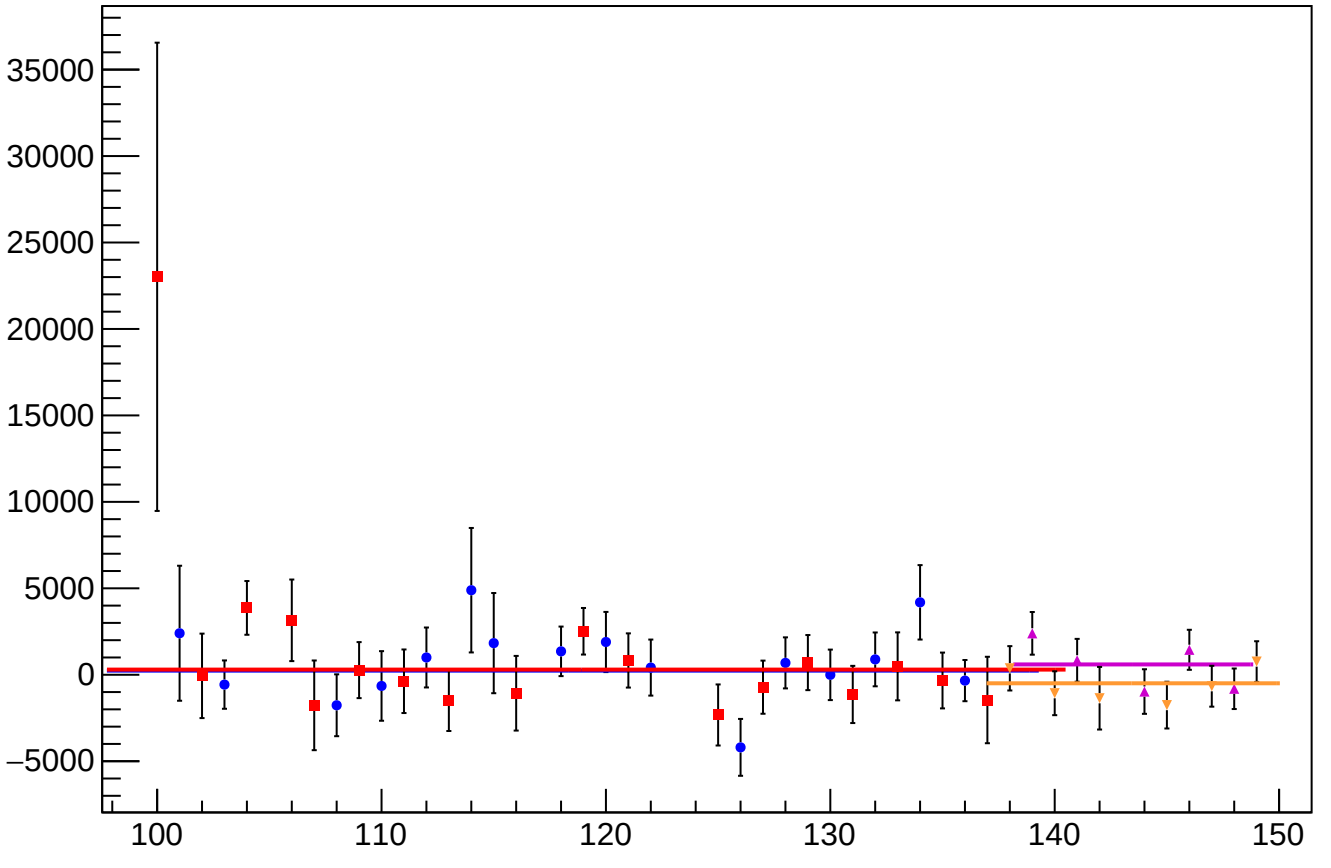
Left: 431.758+/-0.103 χ^2/NDF: 170766.9/10

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 417.559+/-0.091 χ^2/NDF:2067390.7/20

Out: 404.451+/-0.088 χ^2/NDF:2296459.2/23

All: 410.781+/-0.063 χ^2/NDF: 4374552.8/44



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -492.689+/-532.974 χ^2/NDF:2.9/5

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 597.958+/-543.492 χ^2/NDF:5.6/4

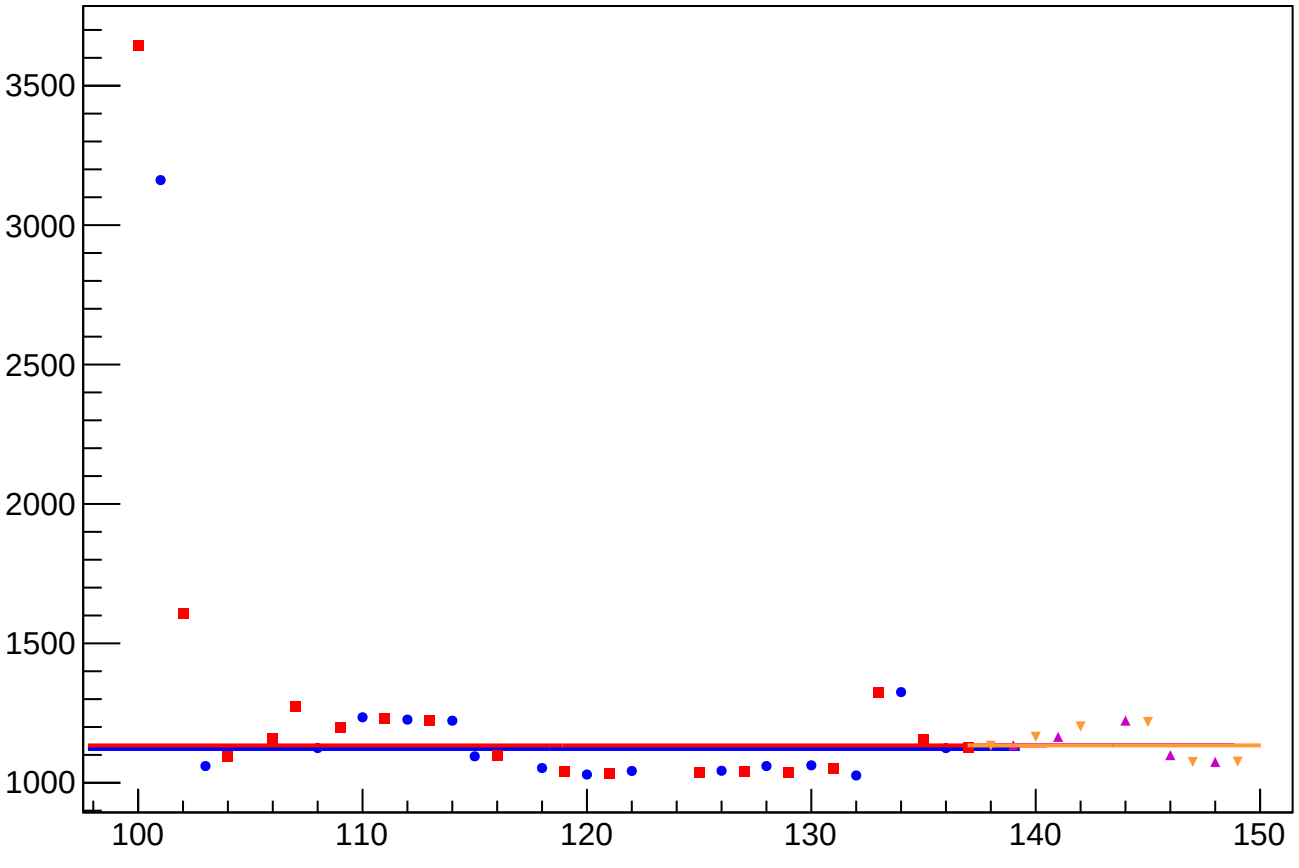
Left: 41.979+/-380.534 χ^2/NDF: 10.6/10

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 376.974+/-335.568 χ^2/NDF:22.8/20

Out: -13.865+/-335.023 χ^2/NDF:22.9/23

All: 181.236+/-237.090 χ^2/NDF: 46.5/44



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1134.151+/-0.377 χ^2/NDF:21748.0/5

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1135.539+/-0.384 χ^2/NDF:17629.9/4

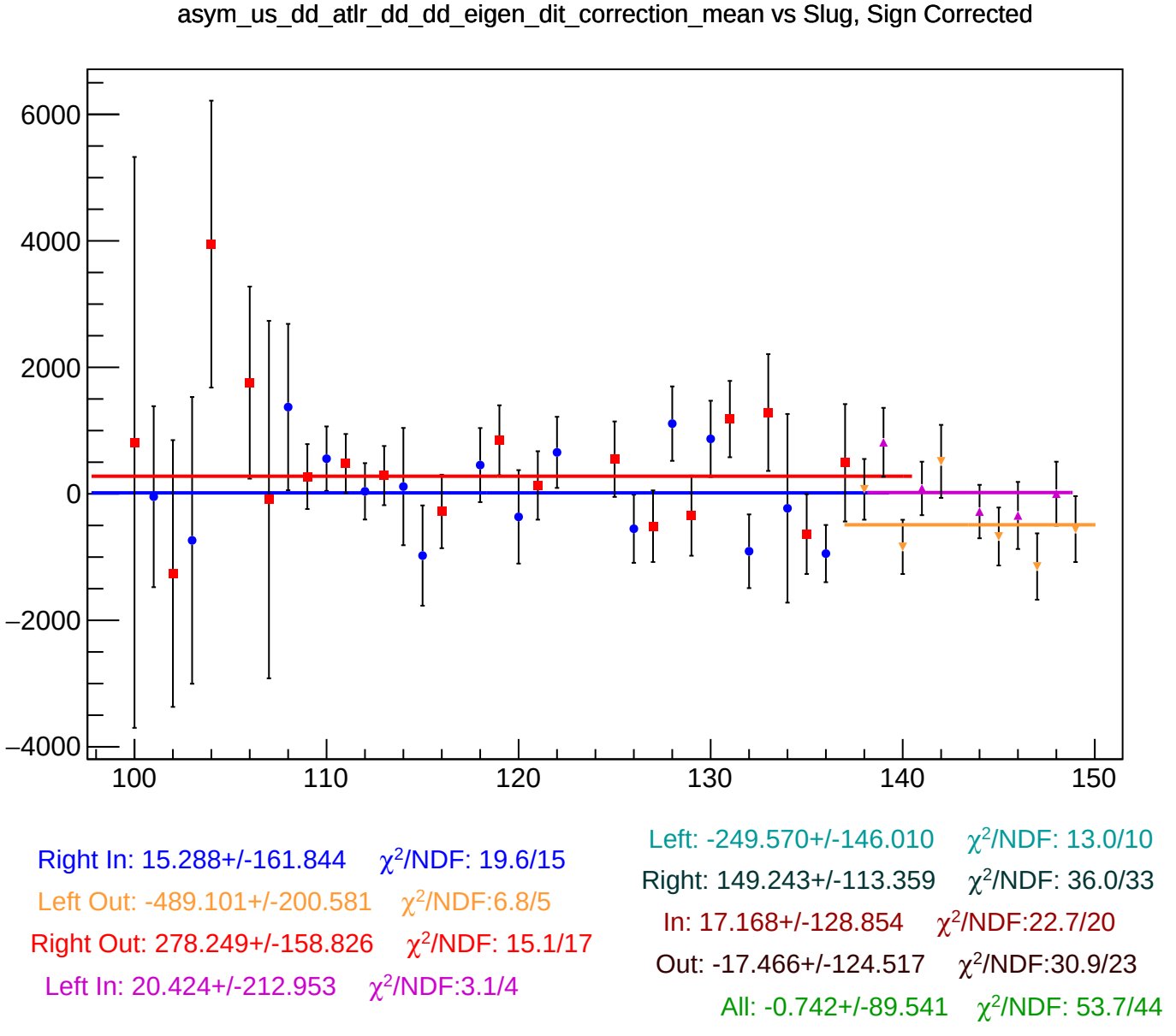
Left: 1134.832+/-0.269 χ^2/NDF: 39384.5/10

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1126.725+/-0.237 χ^2/NDF:635508.5/20

Out: 1134.017+/-0.237 χ^2/NDF:249205.3/23

All: 1130.377+/-0.168 χ^2/NDF: 885186.8/44


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
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−2000
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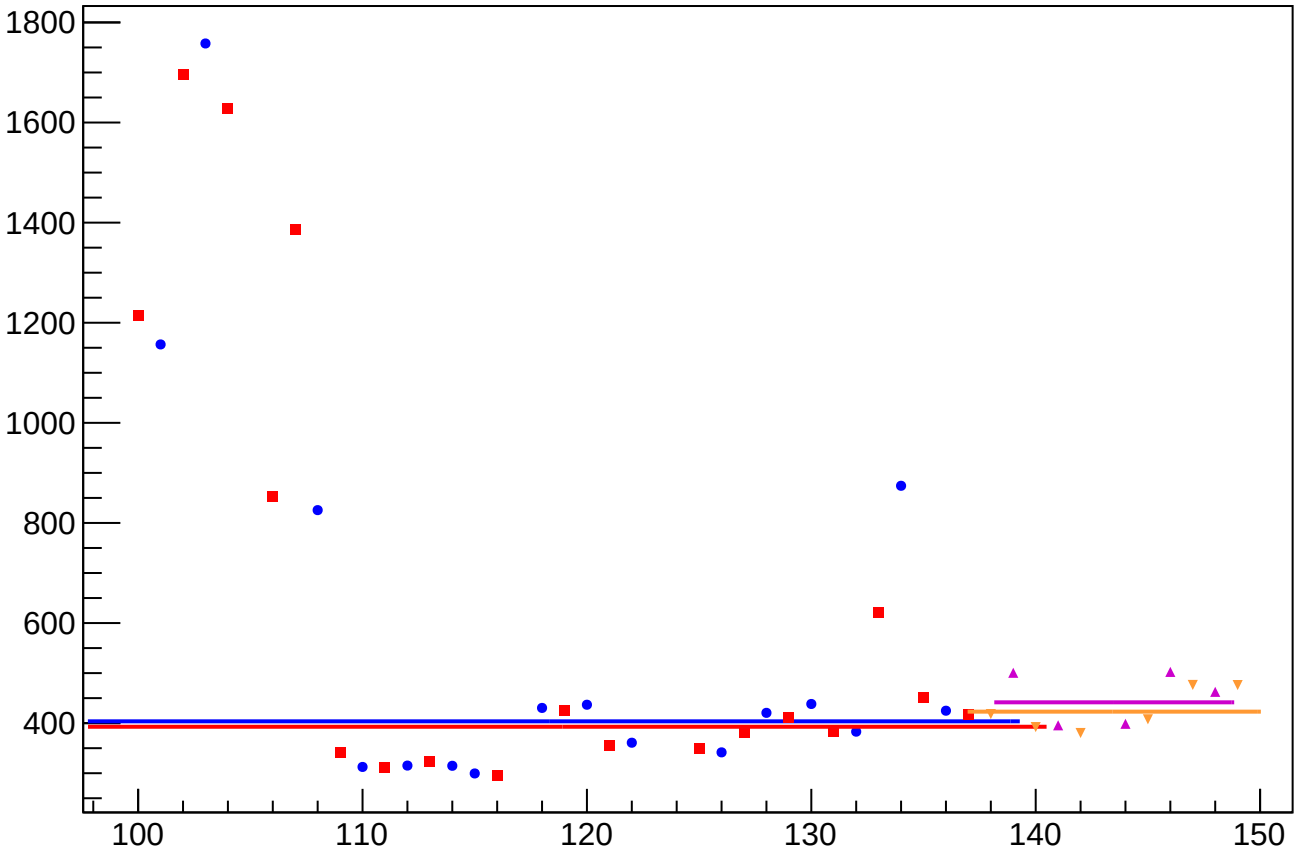
150
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -489.101+/-200.581 χ²/NDF:6.8/5
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 20.424+/-212.953 χ²/NDF:3.1/4
Left: -249.570+/-146.010 χ²/NDF: 13.0/10
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 17.168+/-128.854 χ²/NDF:22.7/20
Out: -17.466+/-124.517 χ²/NDF:30.9/23
All: -0.742+/-89.541 χ²/NDF: 53.7/44



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 423.000+/-0.142 χ^2/NDF:65172.1/5

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 441.631+/-0.151 χ^2/NDF:97478.1/4

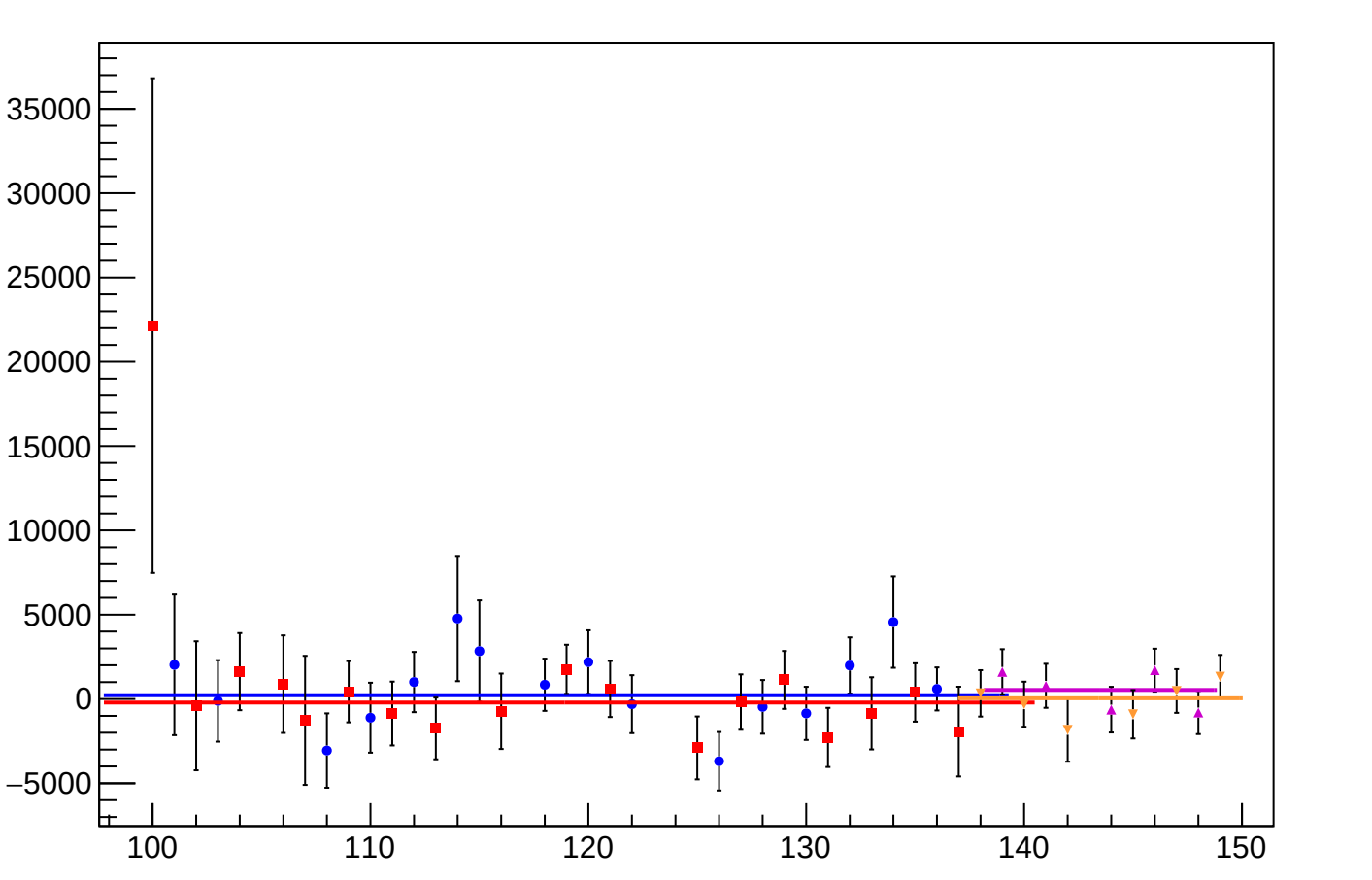
Left: 431.759+/-0.103 χ^2/NDF: 170762.7/10

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 417.558+/-0.091 χ^2/NDF:2067394.6/20

Out: 404.449+/-0.088 χ^2/NDF:2296468.7/23

All: 410.779+/-0.063 χ^2/NDF: 4374567.4/44



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 43.511+/-572.291 χ^2/NDF:2.6/5

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 536.916+/-585.887 χ^2/NDF:3.4/4

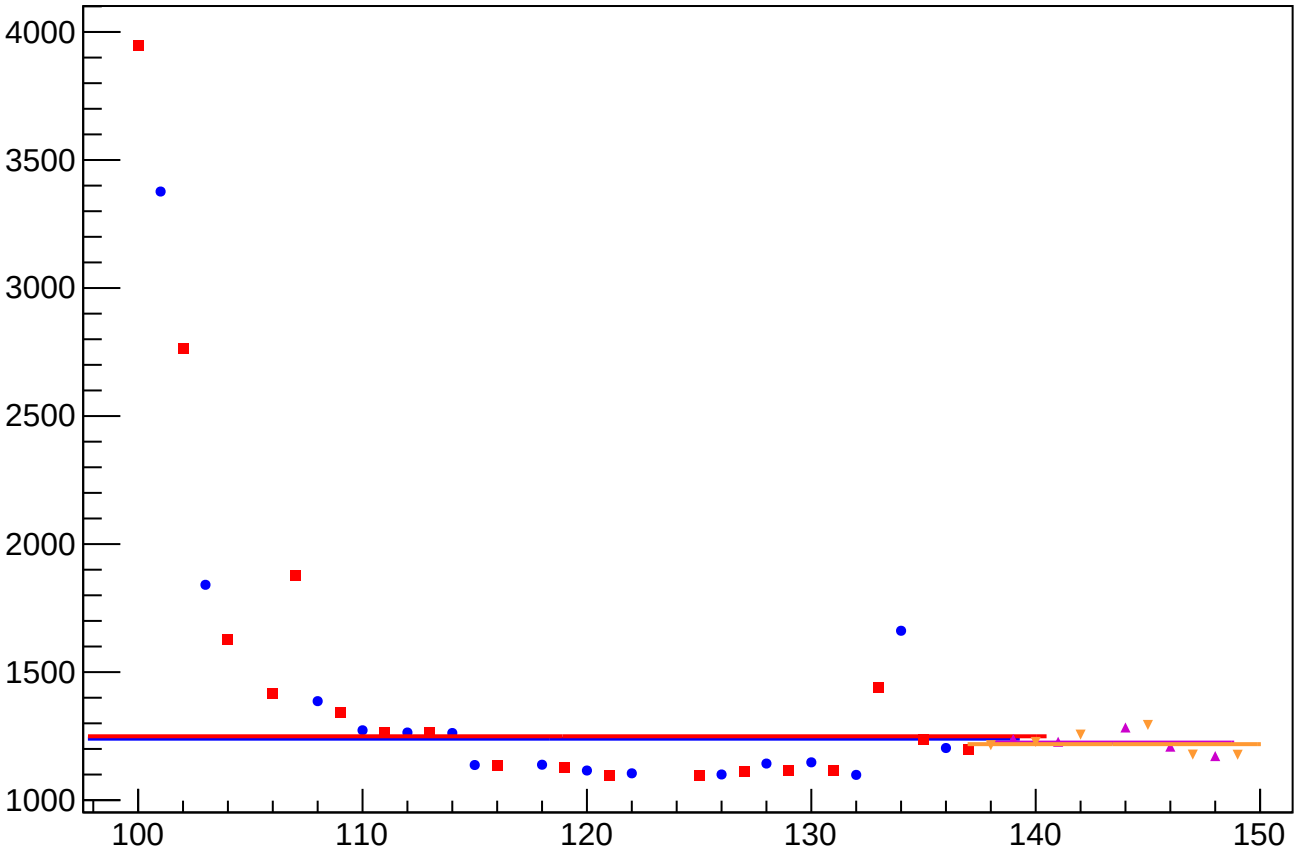
Left: 284.422+/-409.393 χ^2/NDF: 6.4/10

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 348.459+/-368.765 χ^2/NDF:19.7/20

Out: -105.721+/-366.784 χ^2/NDF:13.7/23

All: 120.145+/-260.053 χ^2/NDF: 34.1/44



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1218.713+/-0.405 χ^2/NDF:10384.2/5

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1224.794+/-0.414 χ^2/NDF:7742.5/4

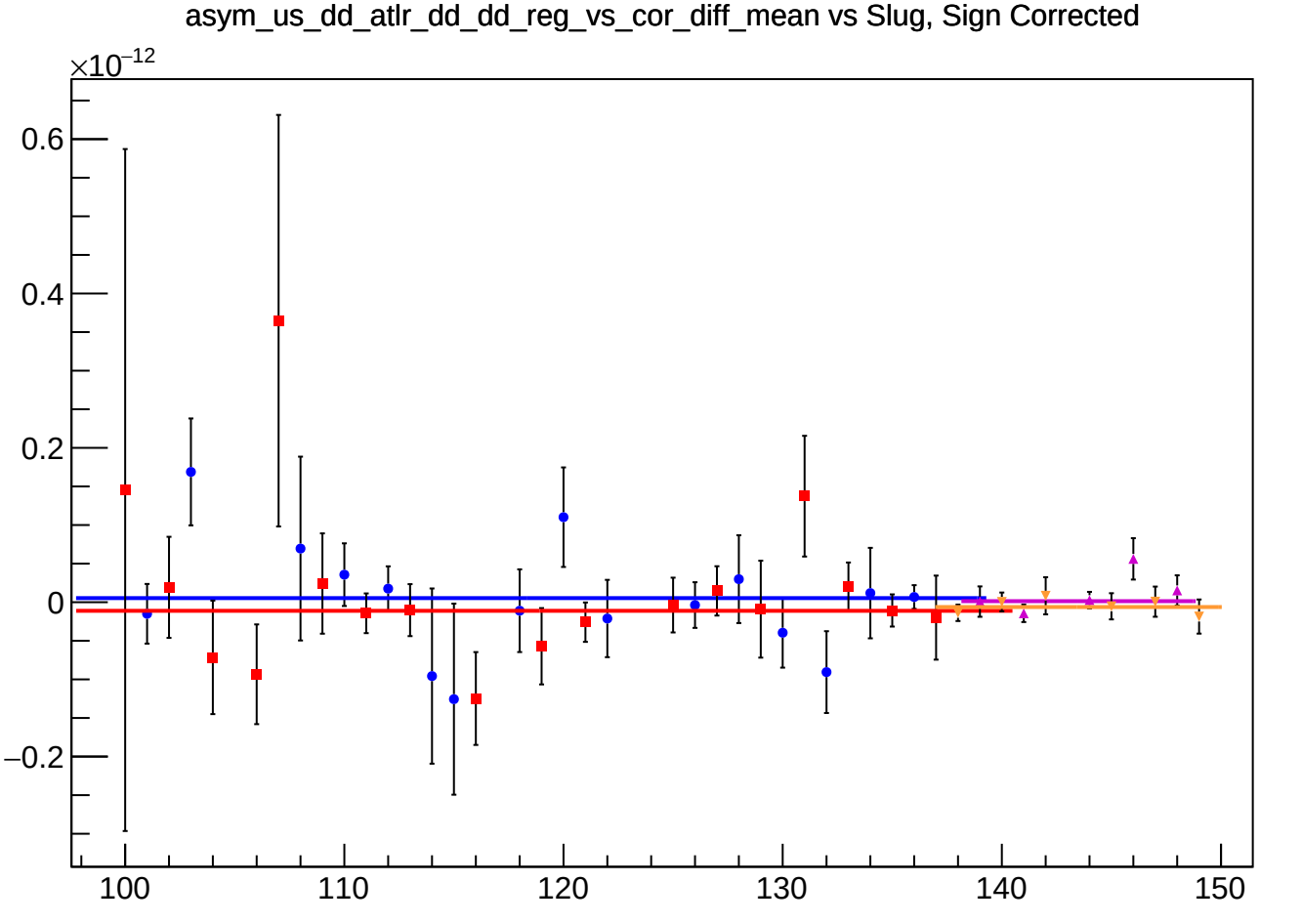
Left: 1221.682+/-0.289 χ^2/NDF: 18236.9/10

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1234.060+/-0.261 χ^2/NDF:791250.8/20

Out: 1236.801+/-0.259 χ^2/NDF:619874.0/23

All: 1235.438+/-0.184 χ^2/NDF: 1411180.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

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: 8.9/10

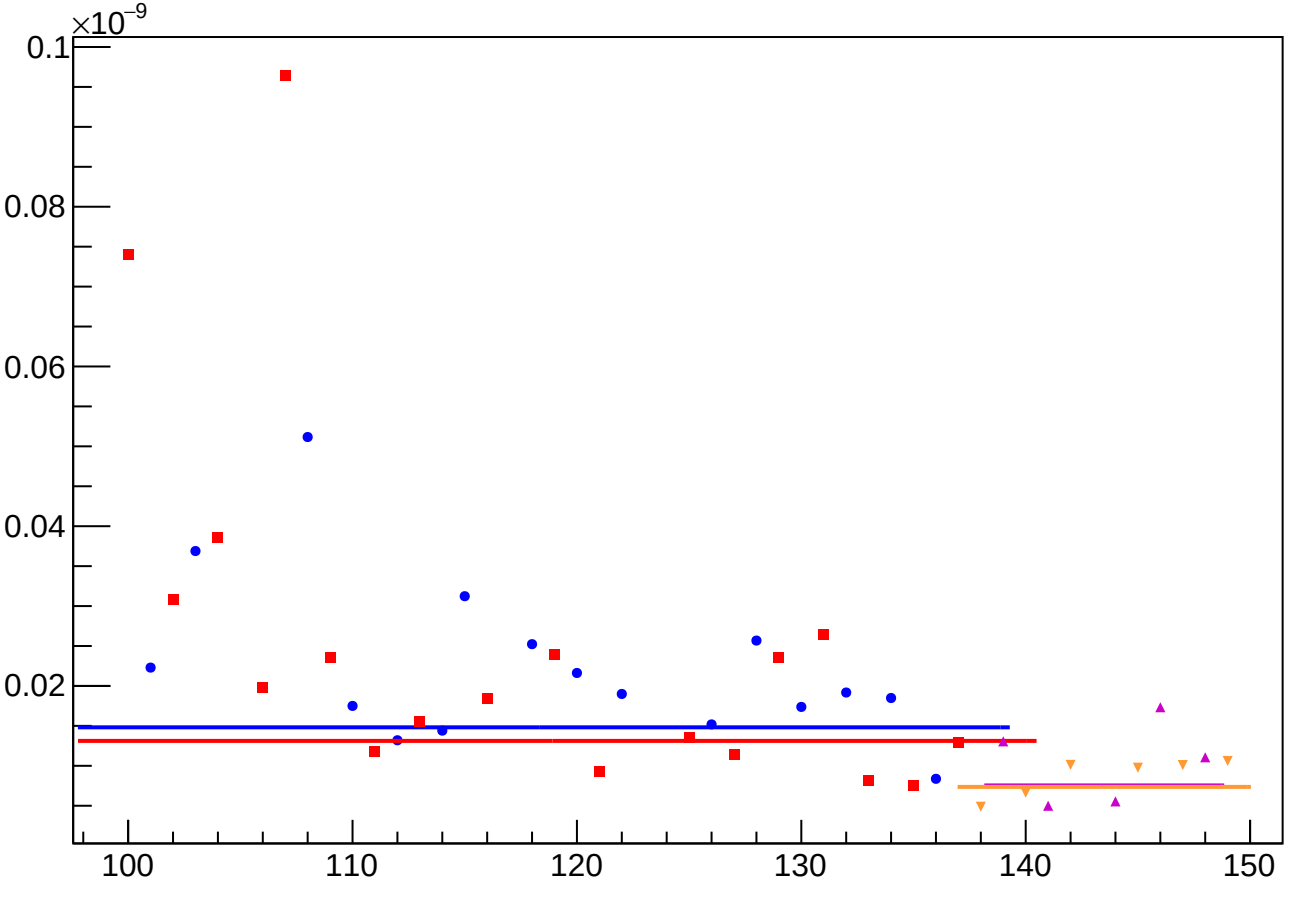
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:23.1/20

Out: -0.000+/-0.000 χ^2/NDF:16.8/23

All: -0.000+/-0.000 χ^2/NDF: 41.8/44

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:264895.6/5

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: 924732.5/10

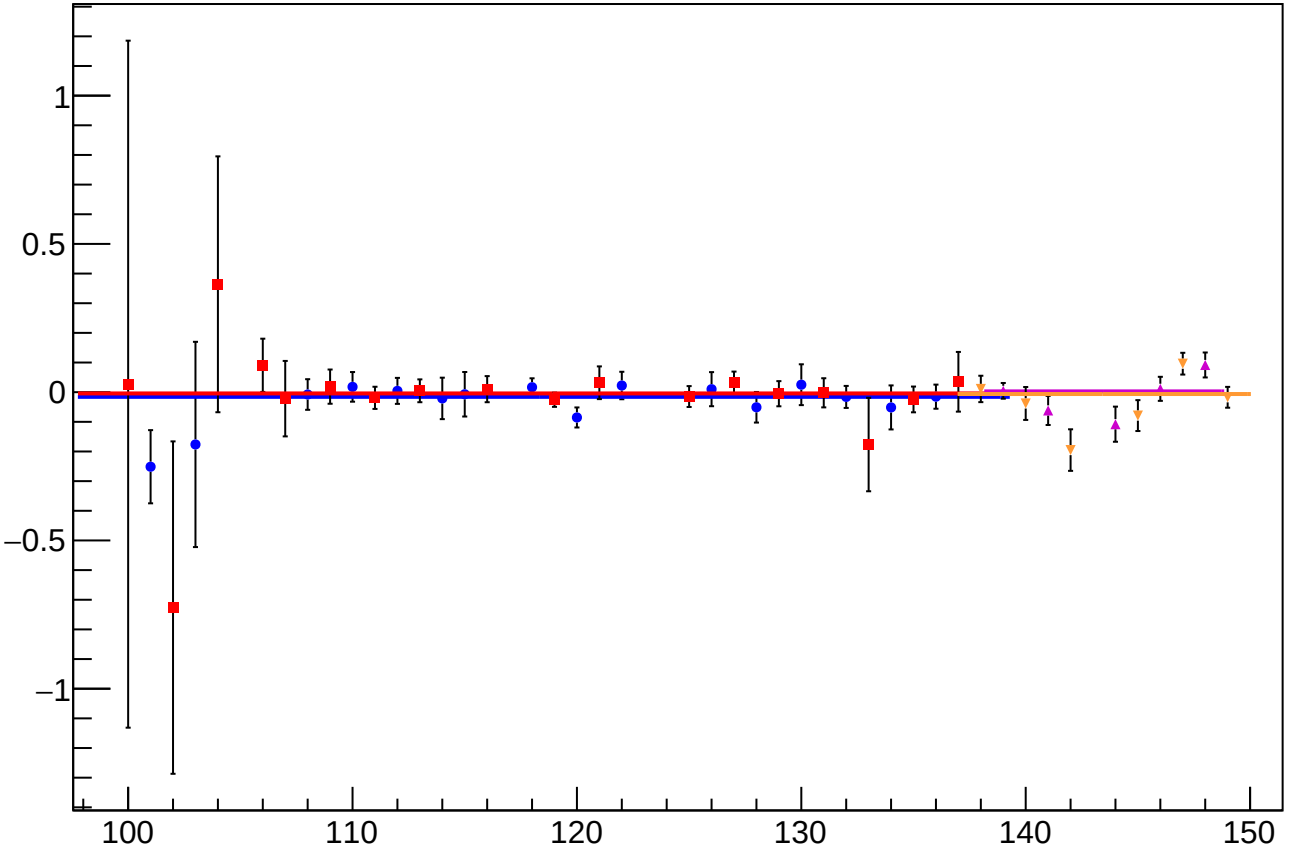
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2514971.6/20

Out: 0.000+/-0.000 χ^2/NDF:1968944.0/23

All: 0.000+/-0.000 χ^2/NDF: 4502076.7/44

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: -0.006+/-0.018 χ^2/NDF:17.6/5

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: -0.002+/-0.013 χ^2/NDF: 27.4/10

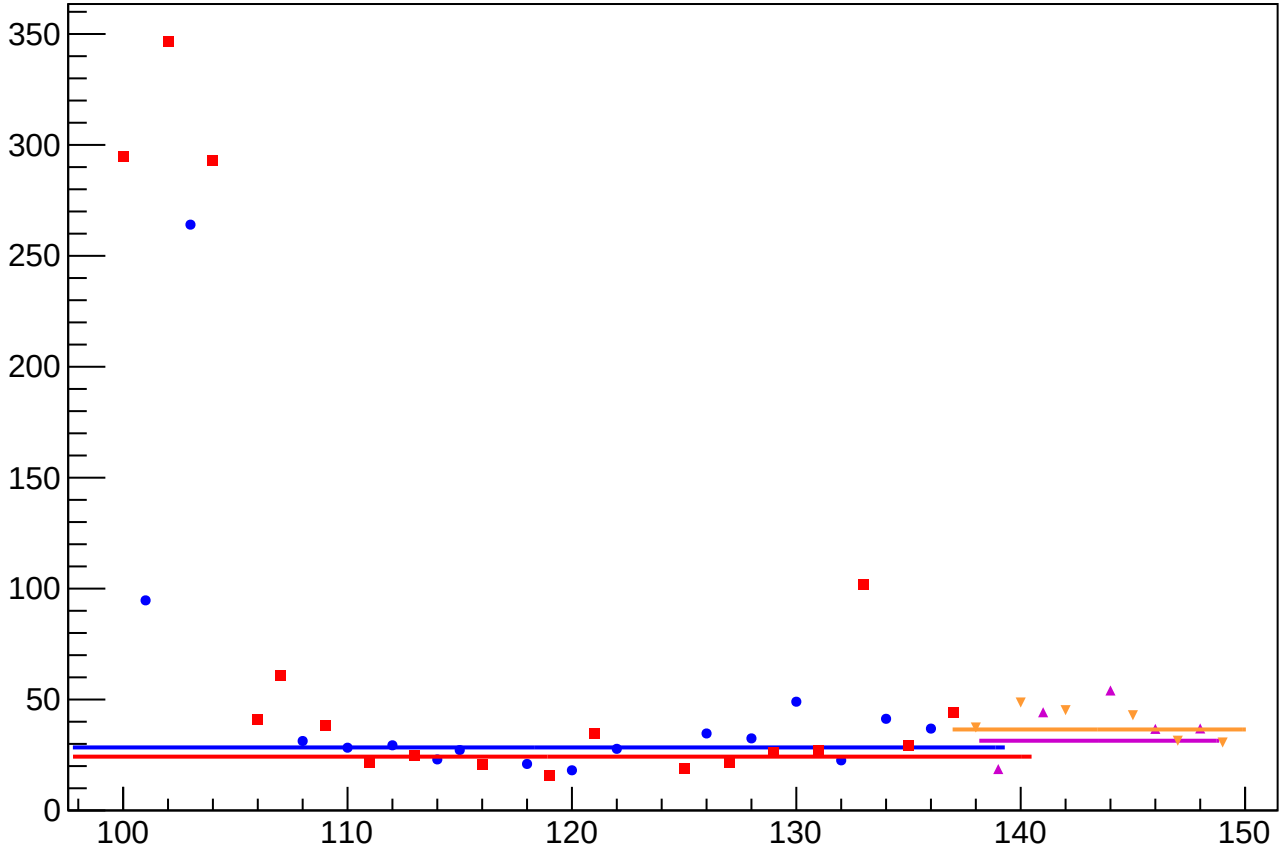
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.005+/-0.010 χ^2/NDF:25.4/23

All: -0.007+/-0.007 χ^2/NDF: 47.9/44

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.506+/-0.013 χ^2/NDF:251751.7/5

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: 33.829+/-0.009 χ^2/NDF: 1294500.4/10

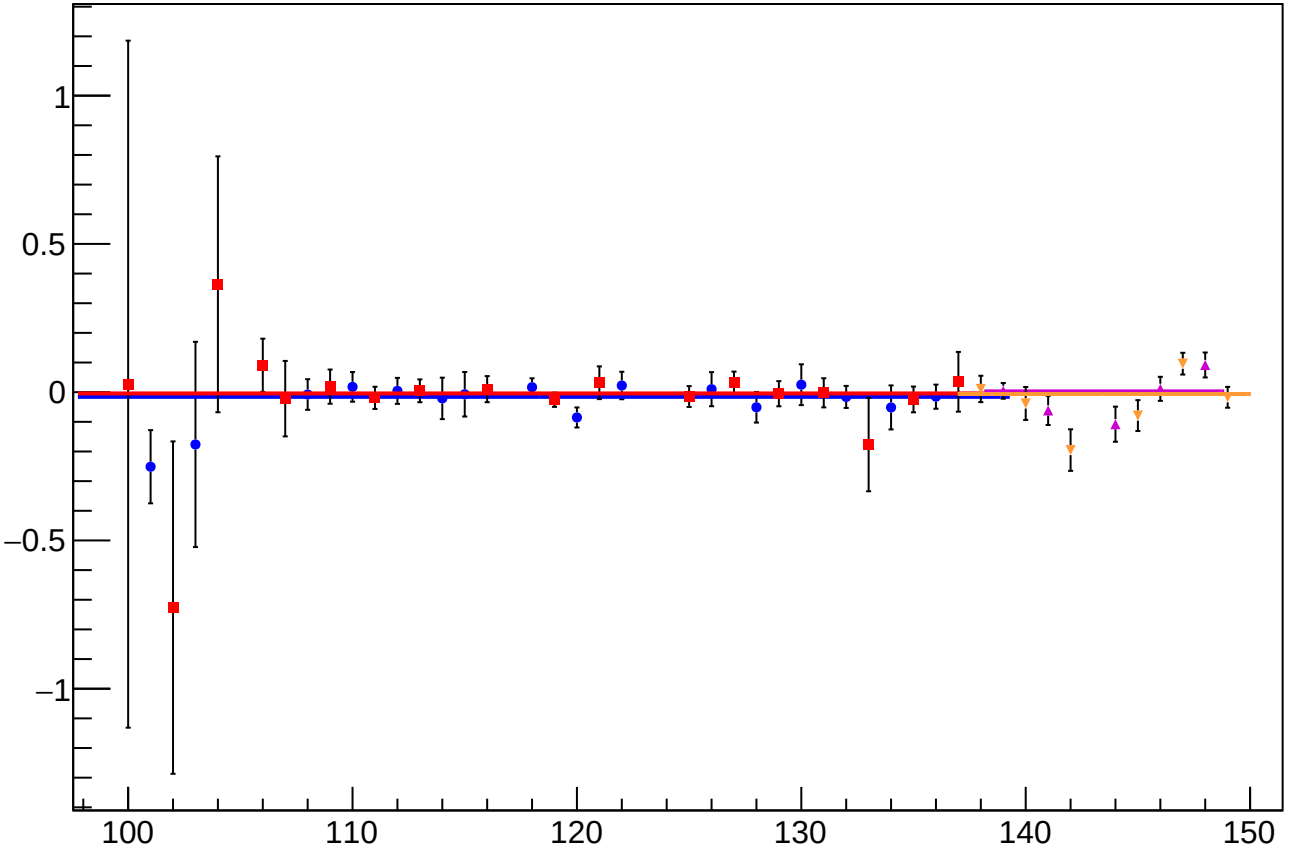
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 29.417+/-0.007 χ^2/NDF:3248229.2/20

Out: 27.670+/-0.007 χ^2/NDF:3804711.0/23

All: 28.514+/-0.005 χ^2/NDF: 7084178.4/44

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: -0.006+/-0.018 χ^2/NDF:17.6/5

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: -0.002+/-0.013 χ^2/NDF: 27.4/10

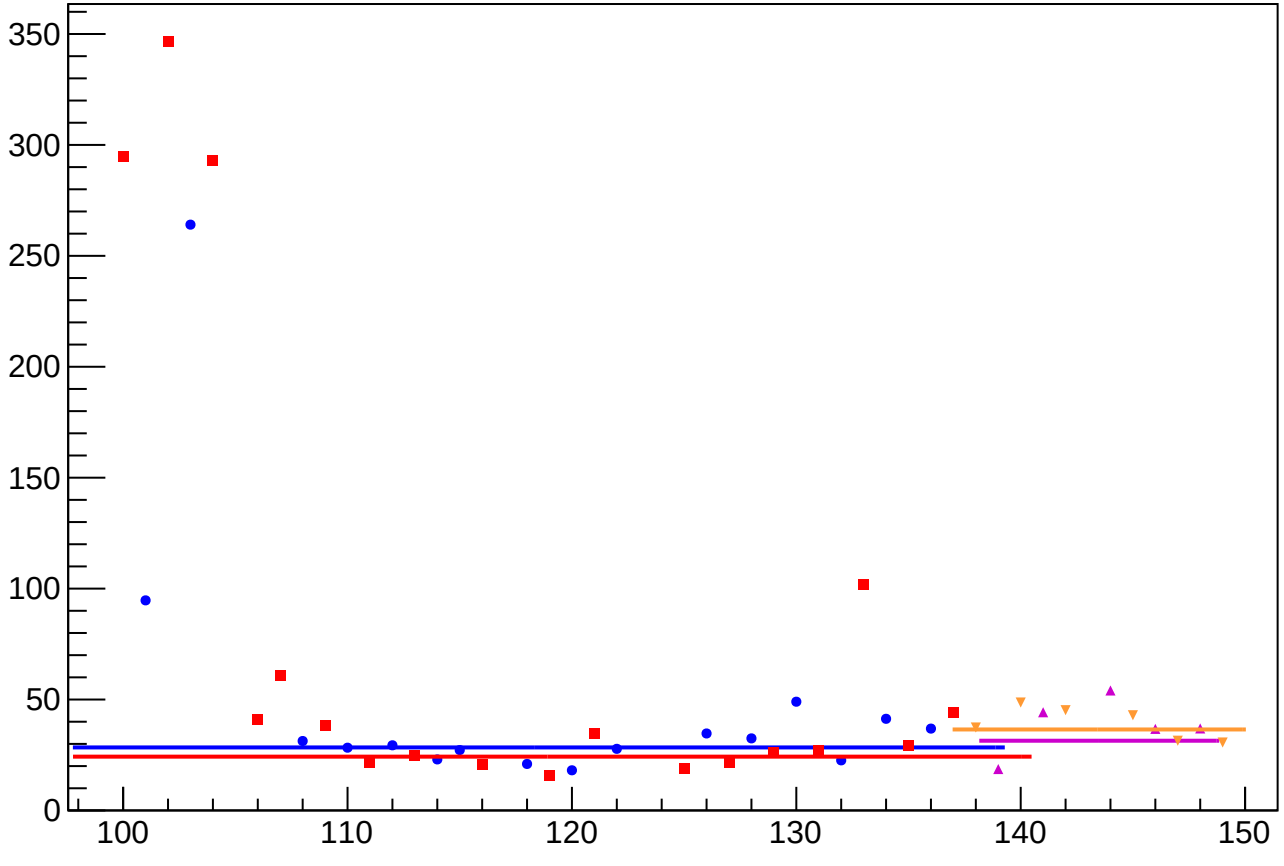
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.005+/-0.010 χ^2/NDF:25.4/23

All: -0.007+/-0.007 χ^2/NDF: 47.9/44

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: 36.506+/-0.013 χ^2/NDF:251751.7/5

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: 33.829+/-0.009 χ^2/NDF: 1294500.4/10

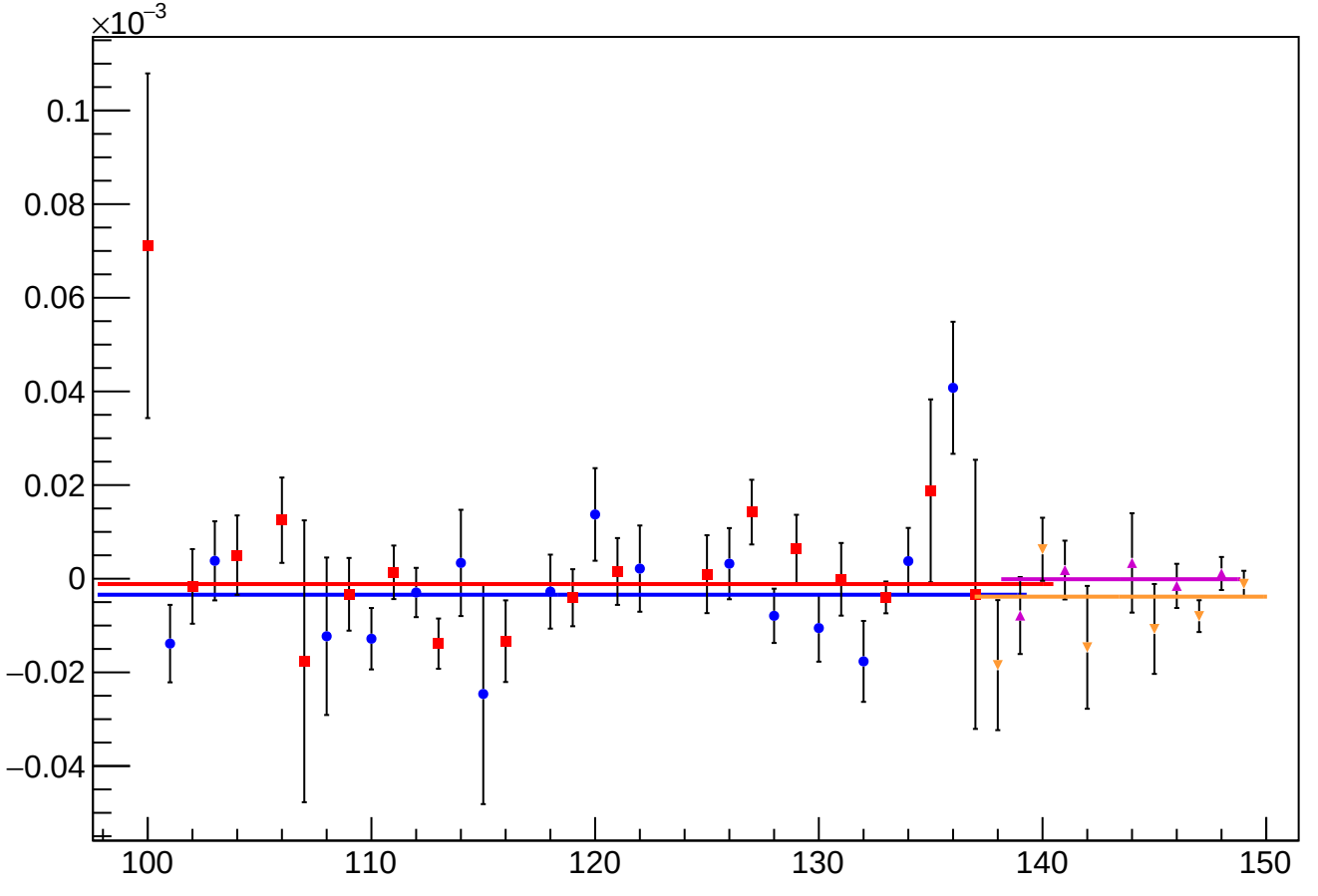
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 29.417+/-0.007 χ^2/NDF:3248229.2/20

Out: 27.670+/-0.007 χ^2/NDF:3804711.0/23

All: 28.514+/-0.005 χ^2/NDF: 7084178.4/44

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

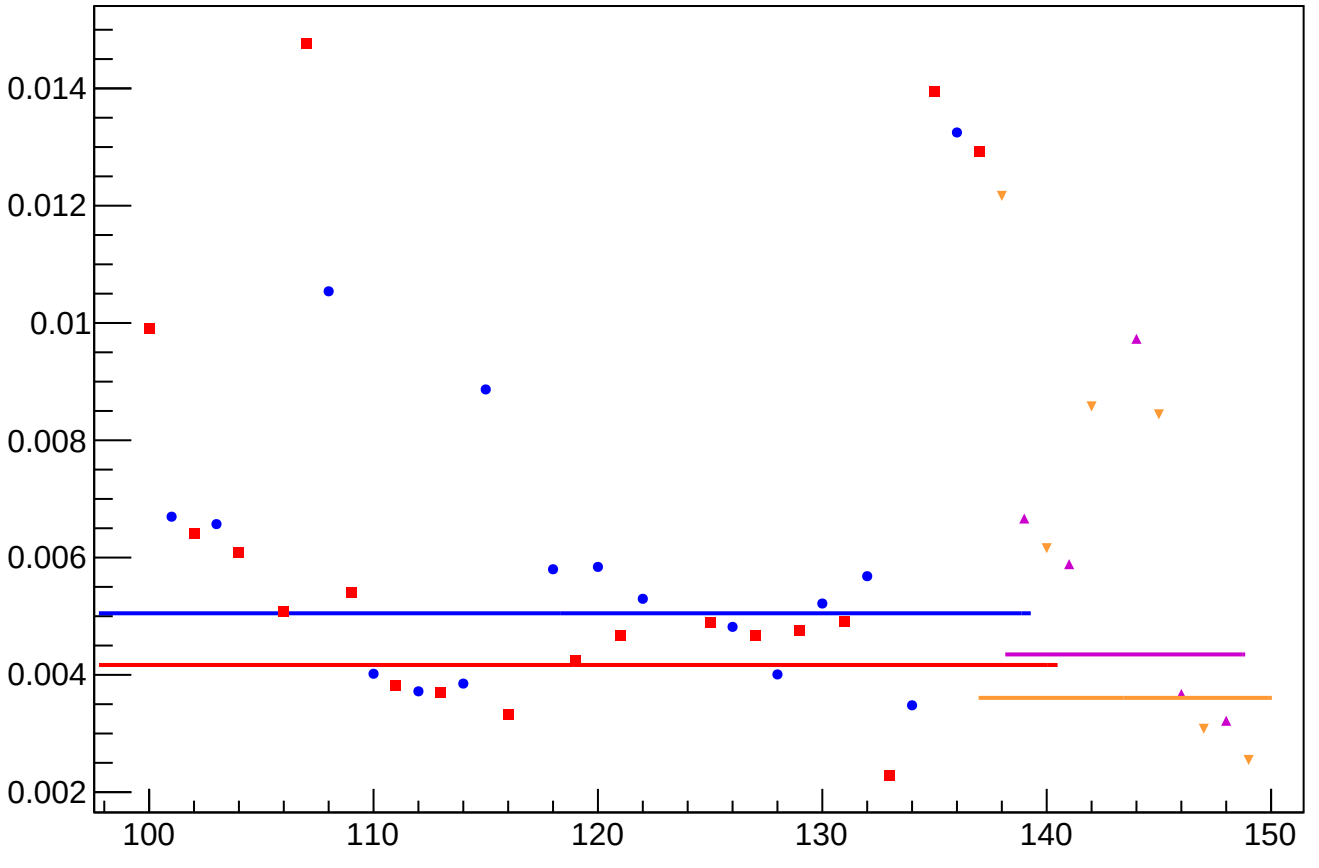
Left: -0.000+/-0.000 χ^2/NDF: 9.8/10

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:31.1/23

All: -0.000+/-0.000 χ^2/NDF: 58.6/44



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2177929.1/5

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: 3332682.9/10

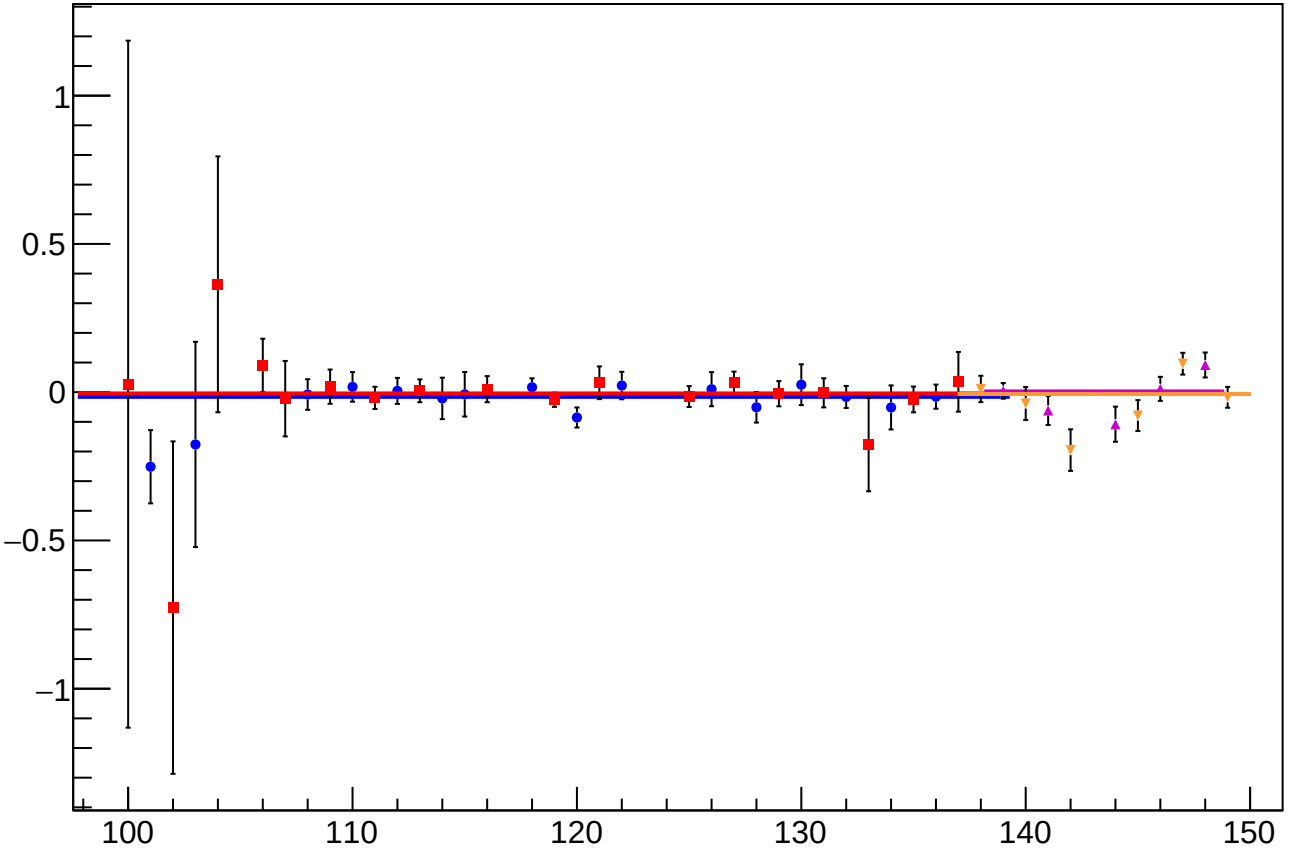
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:2634647.9/20

Out: 0.004+/-0.000 χ^2/NDF:4313180.9/23

All: 0.004+/-0.000 χ^2/NDF: 7287975.9/44

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: -0.006+/-0.018 χ^2/NDF:17.6/5

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: -0.002+/-0.013 χ^2/NDF: 27.4/10

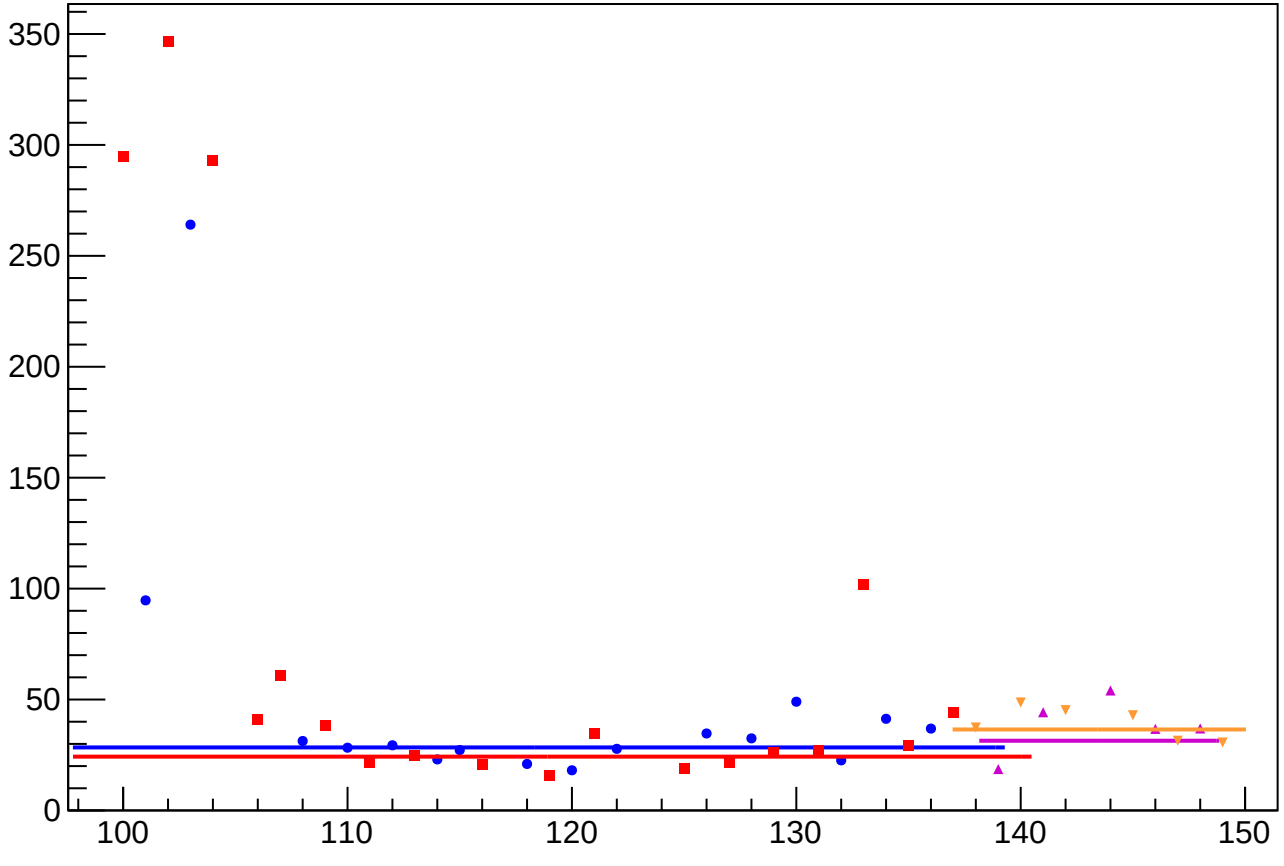
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.005+/-0.010 χ^2/NDF:25.4/23

All: -0.007+/-0.007 χ^2/NDF: 47.9/44

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: 36.504+/-0.013 χ^2/NDF:251857.5/5

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: 33.826+/-0.009 χ^2/NDF: 1294930.7/10

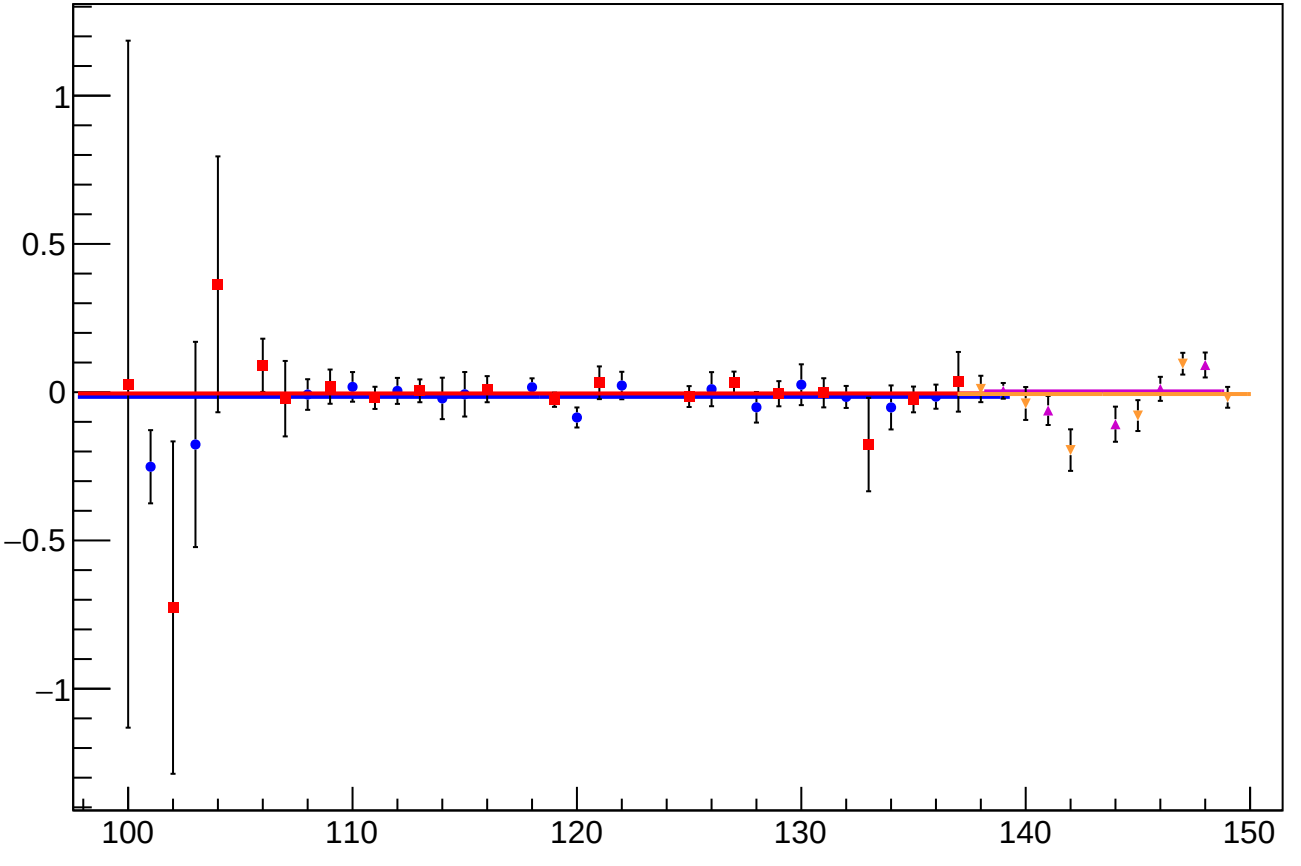
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 29.416+/-0.007 χ^2/NDF:3248454.7/20

Out: 27.668+/-0.007 χ^2/NDF:3805107.9/23

All: 28.513+/-0.005 χ^2/NDF: 7084830.3/44

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: -0.006+/-0.018 χ^2/NDF:17.6/5

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.003+/-0.017 χ^2/NDF:9.7/4

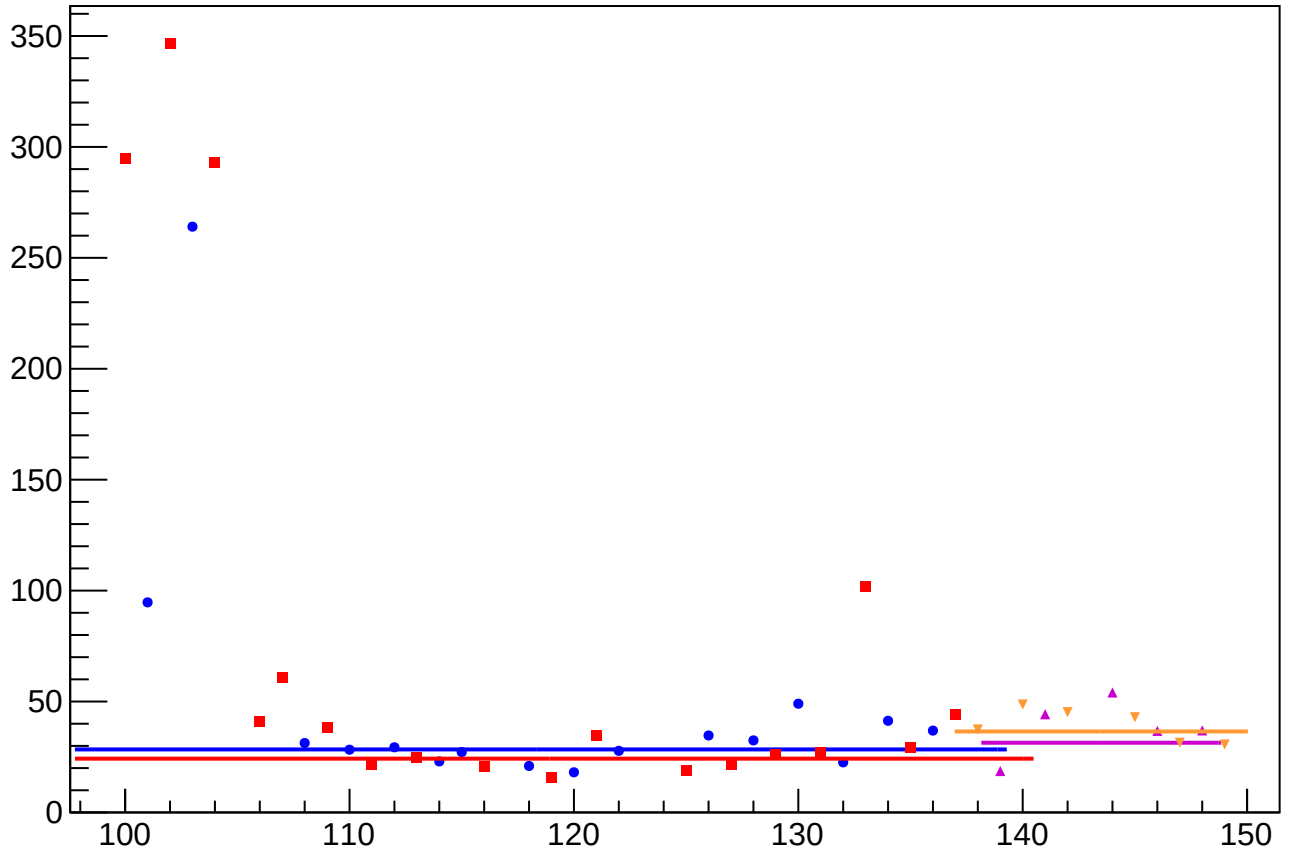
Left: -0.002+/-0.013 χ^2/NDF: 27.4/10

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/20

Out: -0.005+/-0.010 χ^2/NDF:25.4/23

All: -0.007+/-0.007 χ^2/NDF: 47.9/44



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 36.504+/-0.013 χ^2/NDF:251857.5/5

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 31.428+/-0.012 χ^2/NDF:962753.8/4

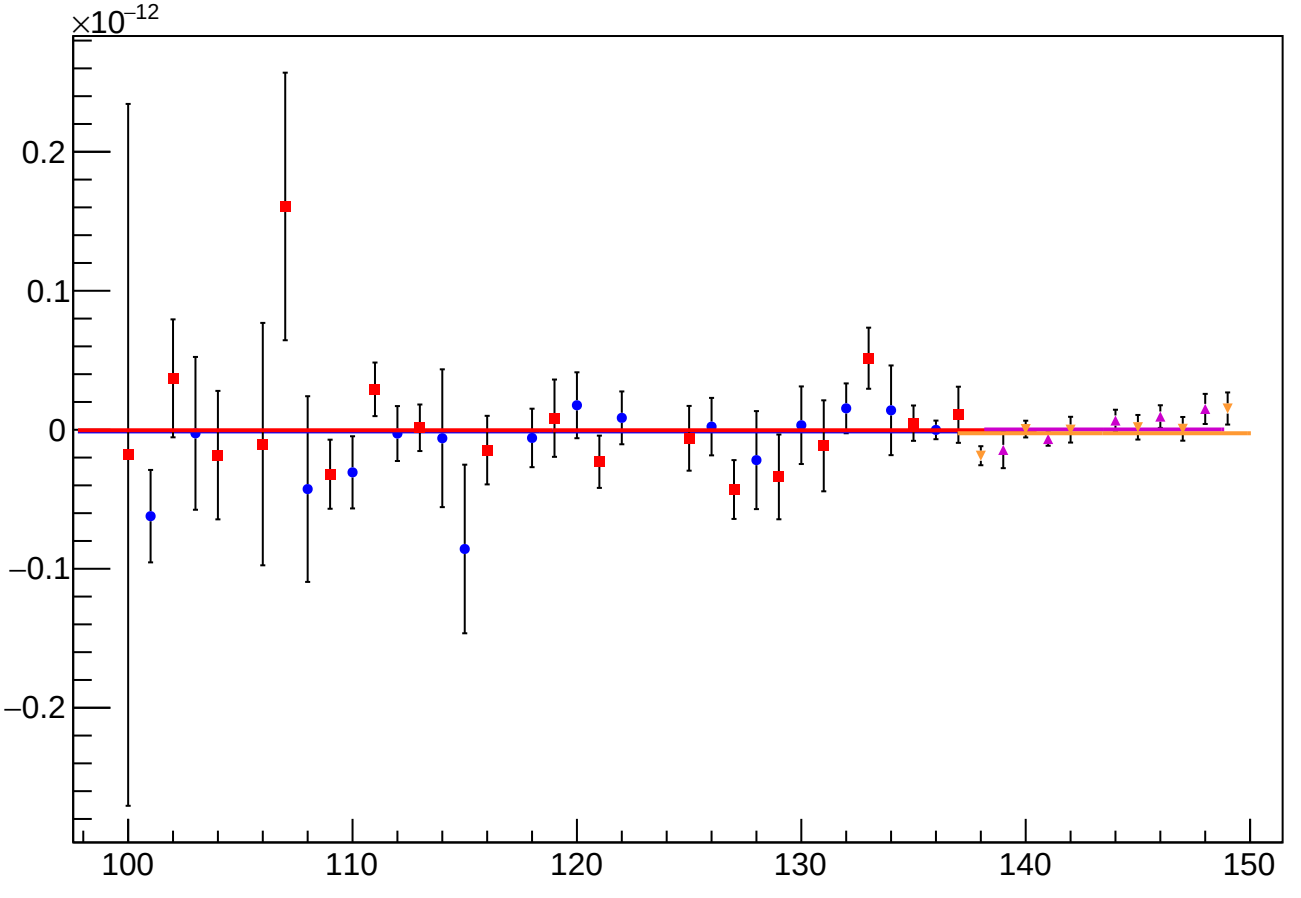
Left: 33.826+/-0.009 χ^2/NDF: 1294930.7/10

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 29.416+/-0.007 χ^2/NDF:3248454.7/20

Out: 27.668+/-0.007 χ^2/NDF:3805107.9/23

All: 28.513+/-0.005 χ^2/NDF: 7084830.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/4

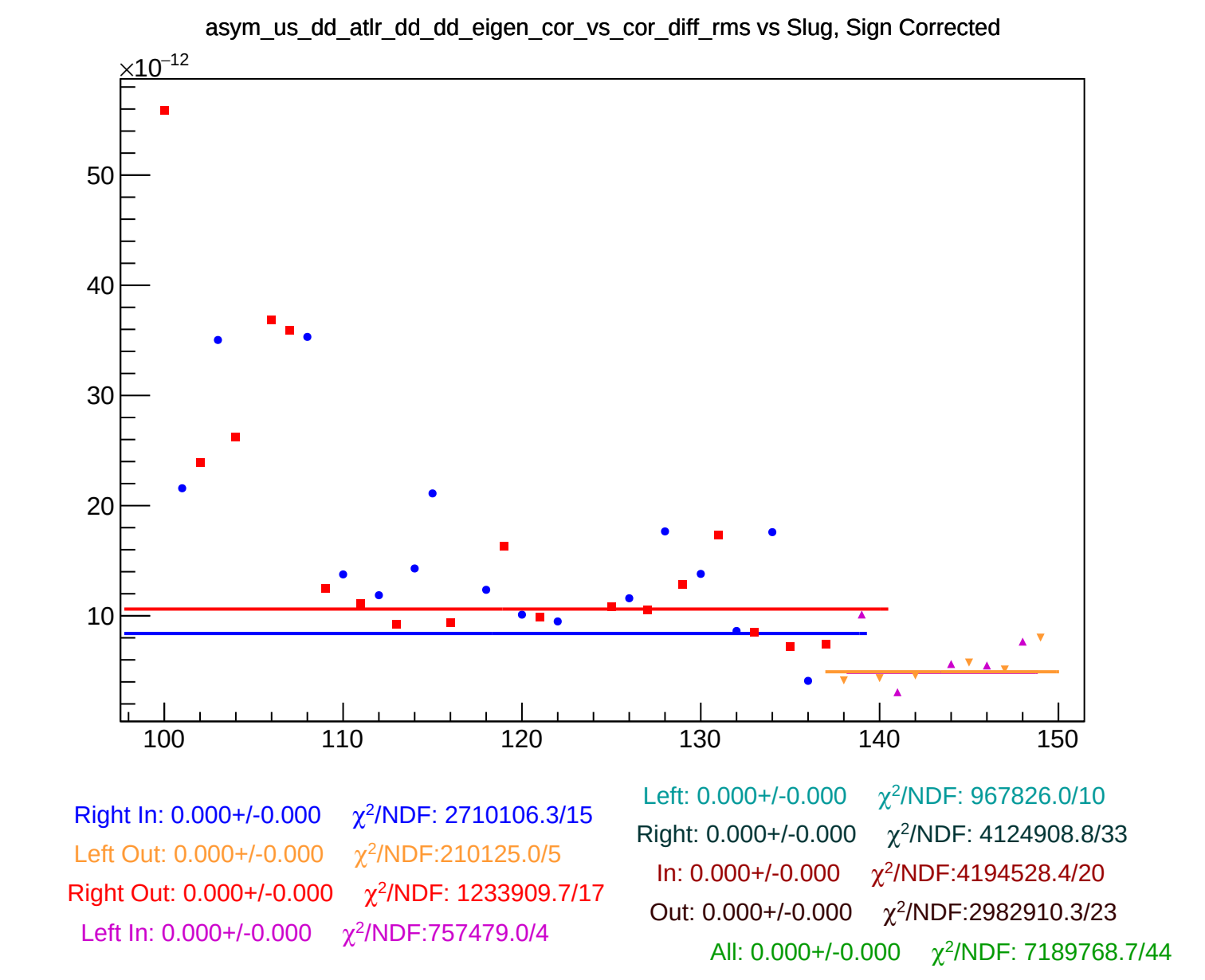
Left: -0.000+/-0.000 χ^2/NDF: 16.1/10

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

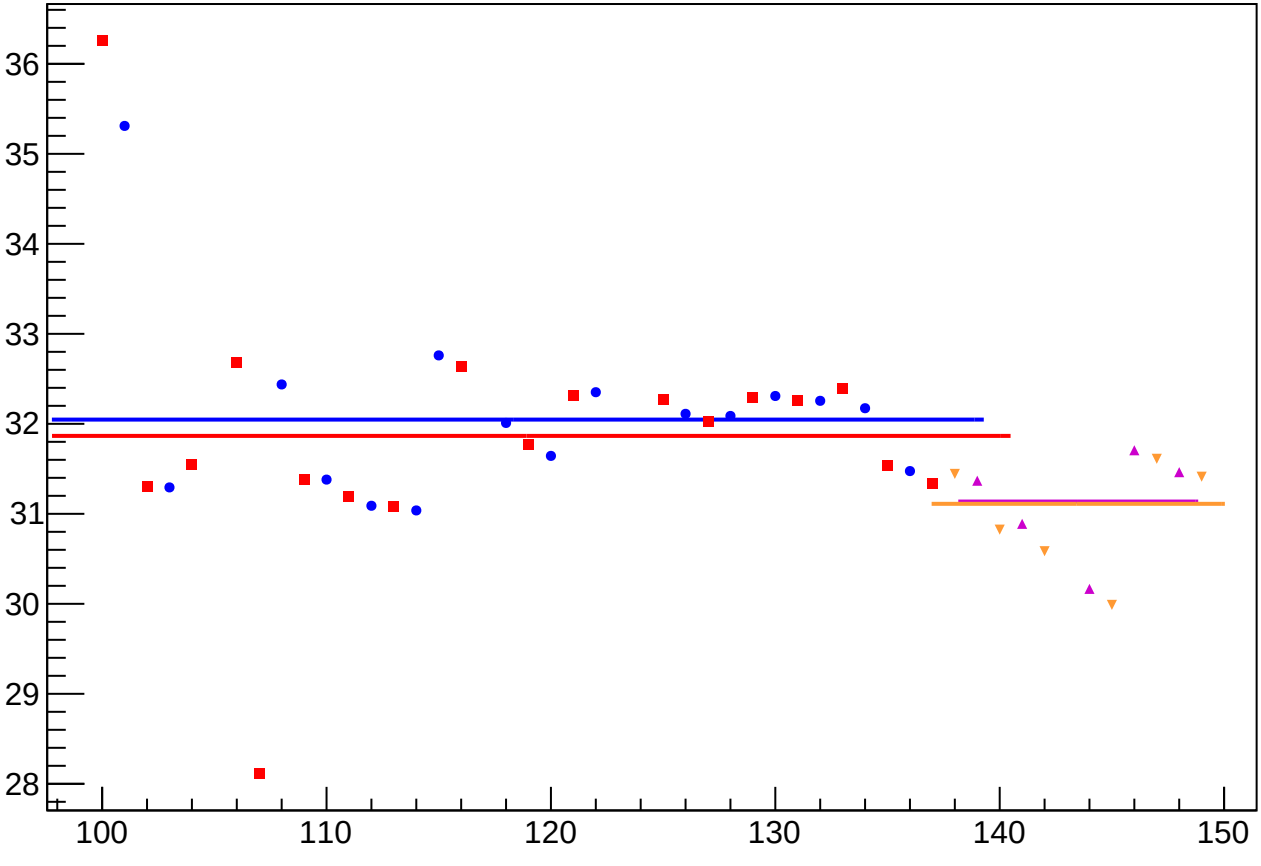
In: -0.000+/-0.000 χ^2/NDF:16.6/20

Out: -0.000+/-0.000 χ^2/NDF:29.8/23

All: -0.000+/-0.000 χ^2/NDF: 46.6/44


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:210125.0/5
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: 967826.0/10
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:2982910.3/23
All: 0.000+/-0.000 χ²/NDF: 7189768.7/44

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.111+/-0.000 χ^2/NDF:177868750.2/5

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: 31.123+/-0.000 χ^2/NDF: 344083934.5/10

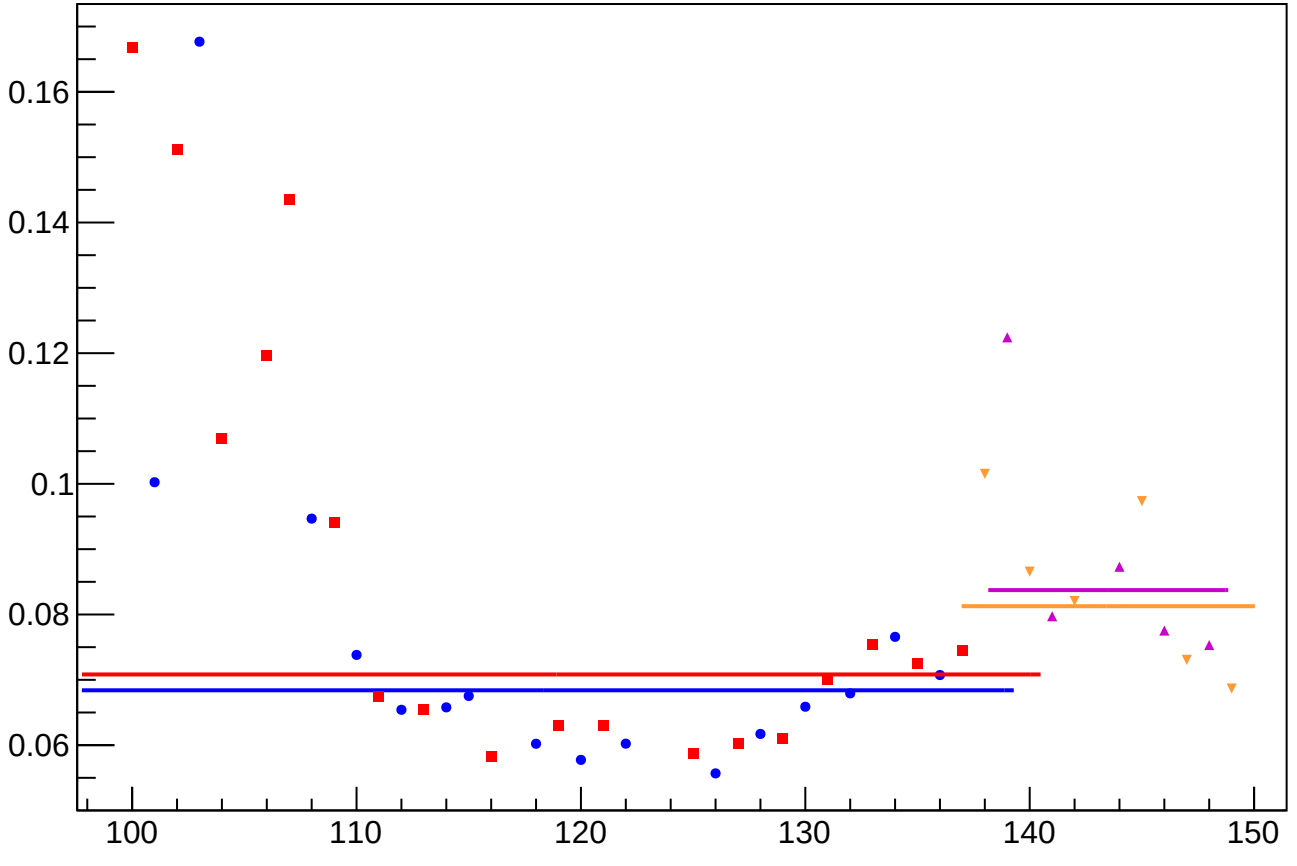
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.785+/-0.000 χ^2/NDF:1383756534.4/20

Out: 31.620+/-0.000 χ^2/NDF:894130949.0/23

All: 31.703+/-0.000 χ^2/NDF: 2303188969.0/4

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:173511.8/5

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: 0.082+/-0.000 χ^2/NDF: 369589.3/10

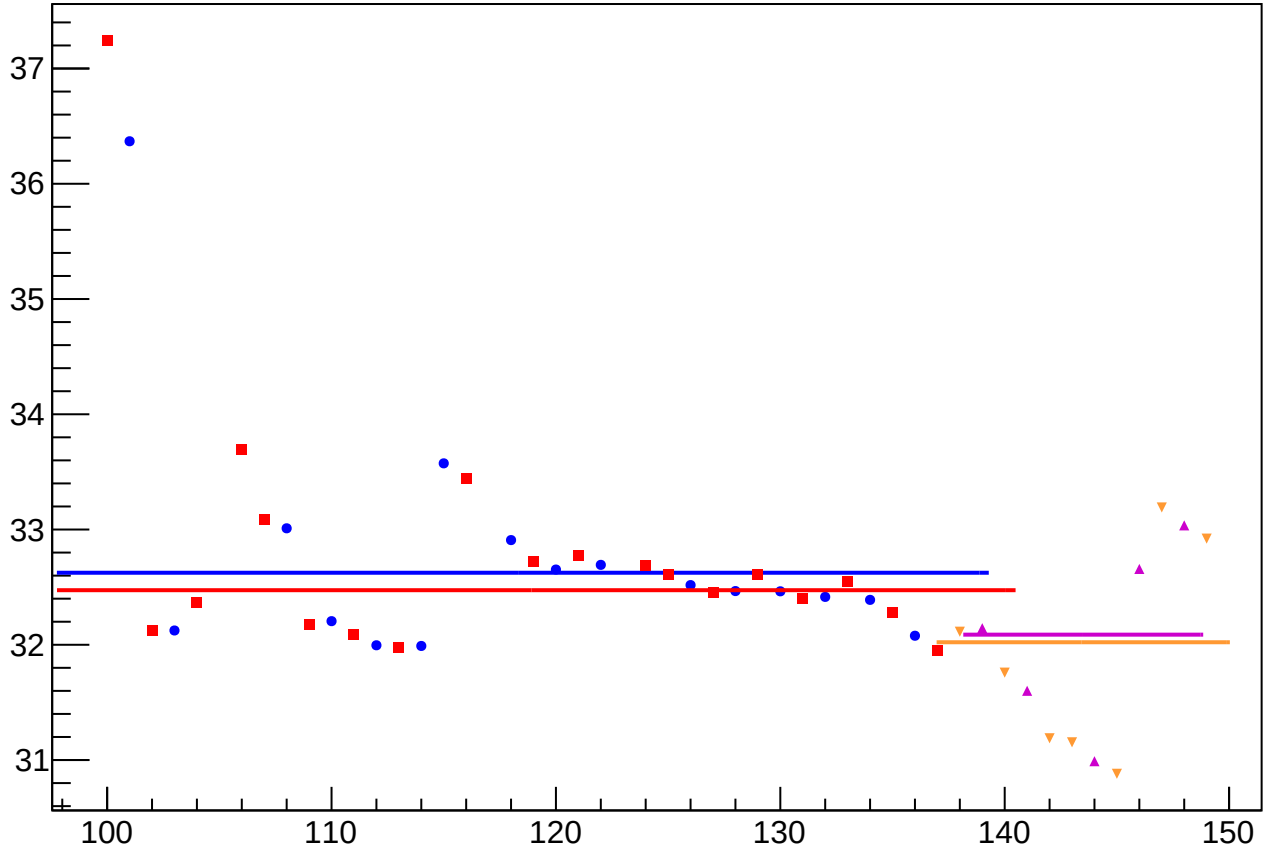
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1076898.2/20

Out: 0.074+/-0.000 χ^2/NDF:1129955.0/23

All: 0.074+/-0.000 χ^2/NDF: 2210577.9/44

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.022+/-0.000 χ^2/NDF:608628863.5/6

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: 32.051+/-0.000 χ^2/NDF: 991162255.1/11

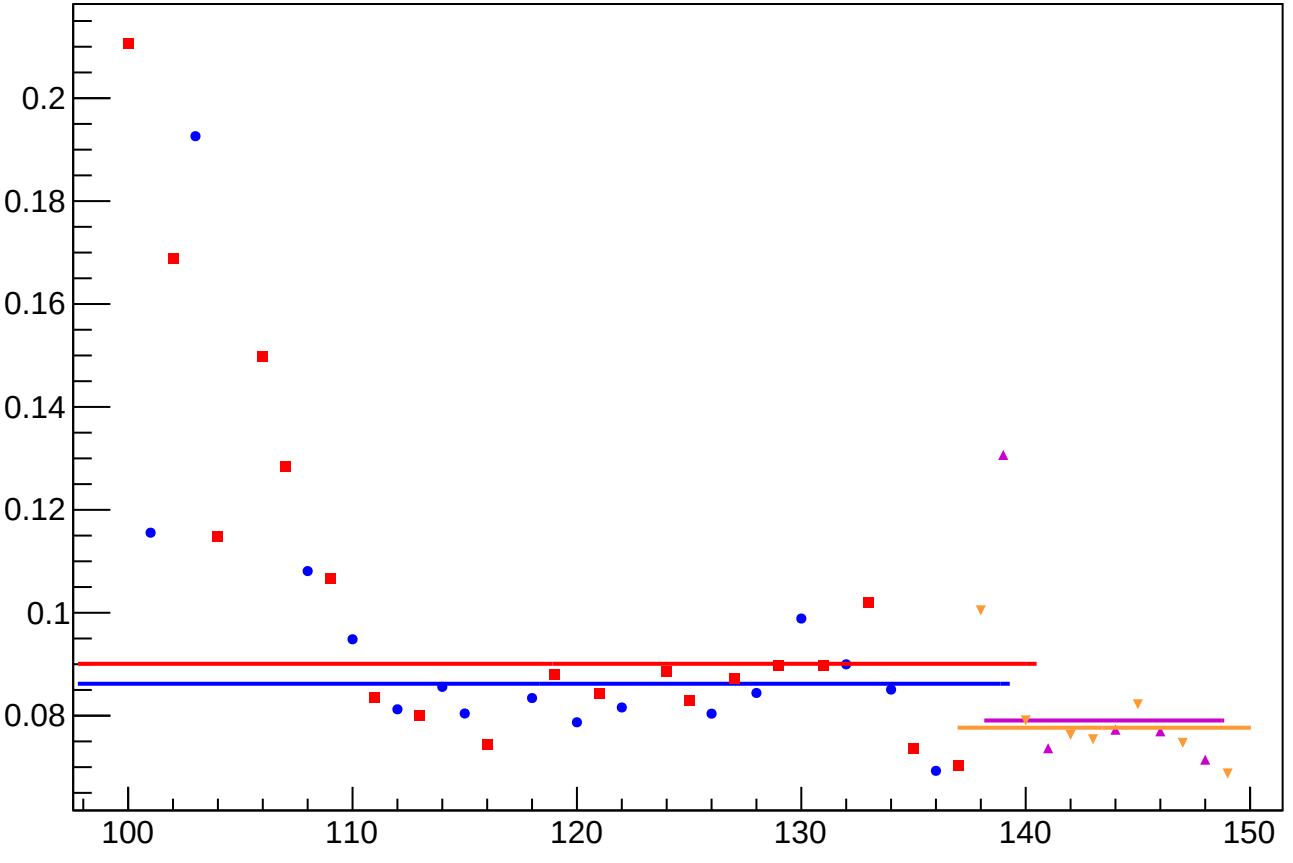
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.398+/-0.000 χ^2/NDF:1223291481.6/20

Out: 32.249+/-0.000 χ^2/NDF:845853195.5/25

All: 32.321+/-0.000 χ^2/NDF: 2085874652.2/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:108844.4/6

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: 0.078+/-0.000 χ^2/NDF: 393022.3/11

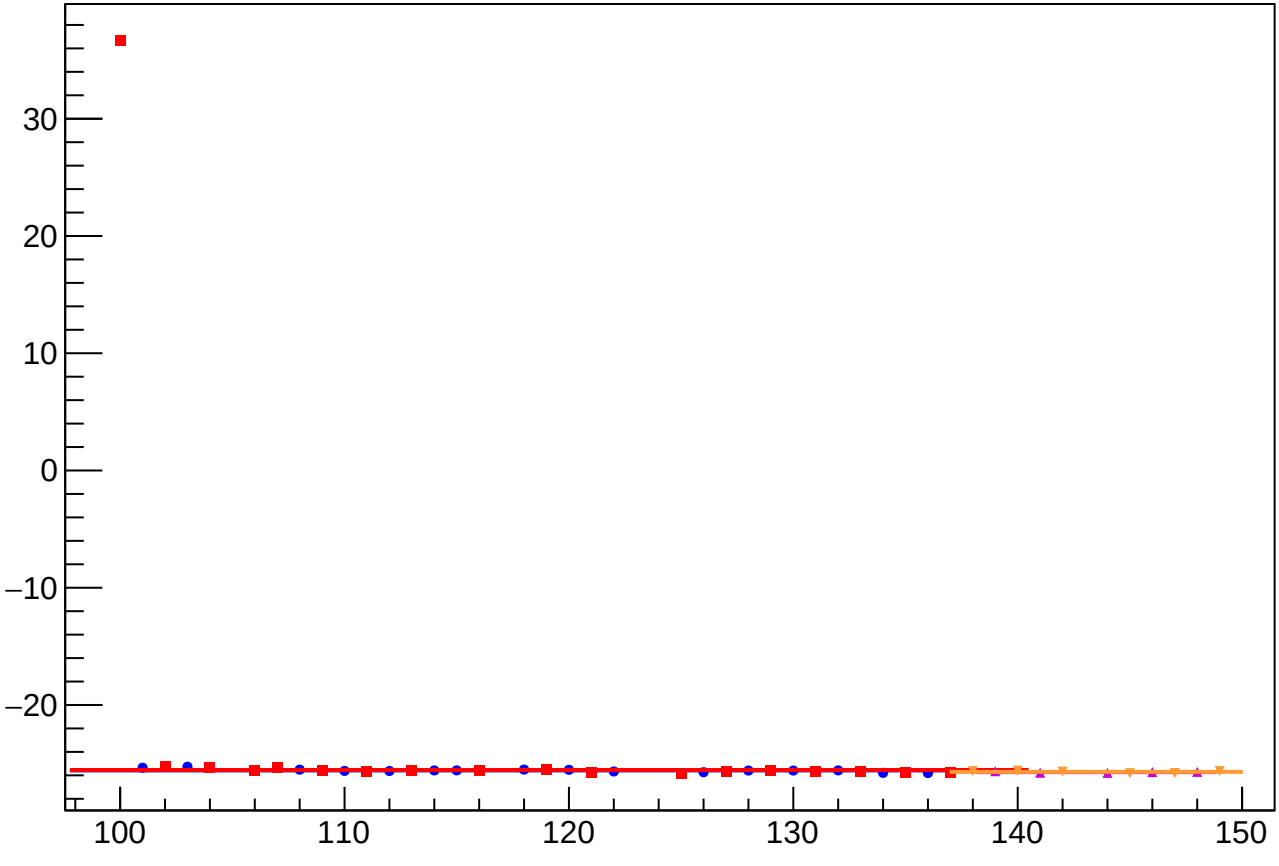
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.083+/-0.000 χ^2/NDF:917979.7/20

Out: 0.084+/-0.000 χ^2/NDF:852379.8/25

All: 0.084+/-0.000 χ^2/NDF: 1771170.7/46

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.702+/-0.000 χ^2/NDF:17814472.5/5

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: -25.714+/-0.000 χ^2/NDF: 24222016.8/10

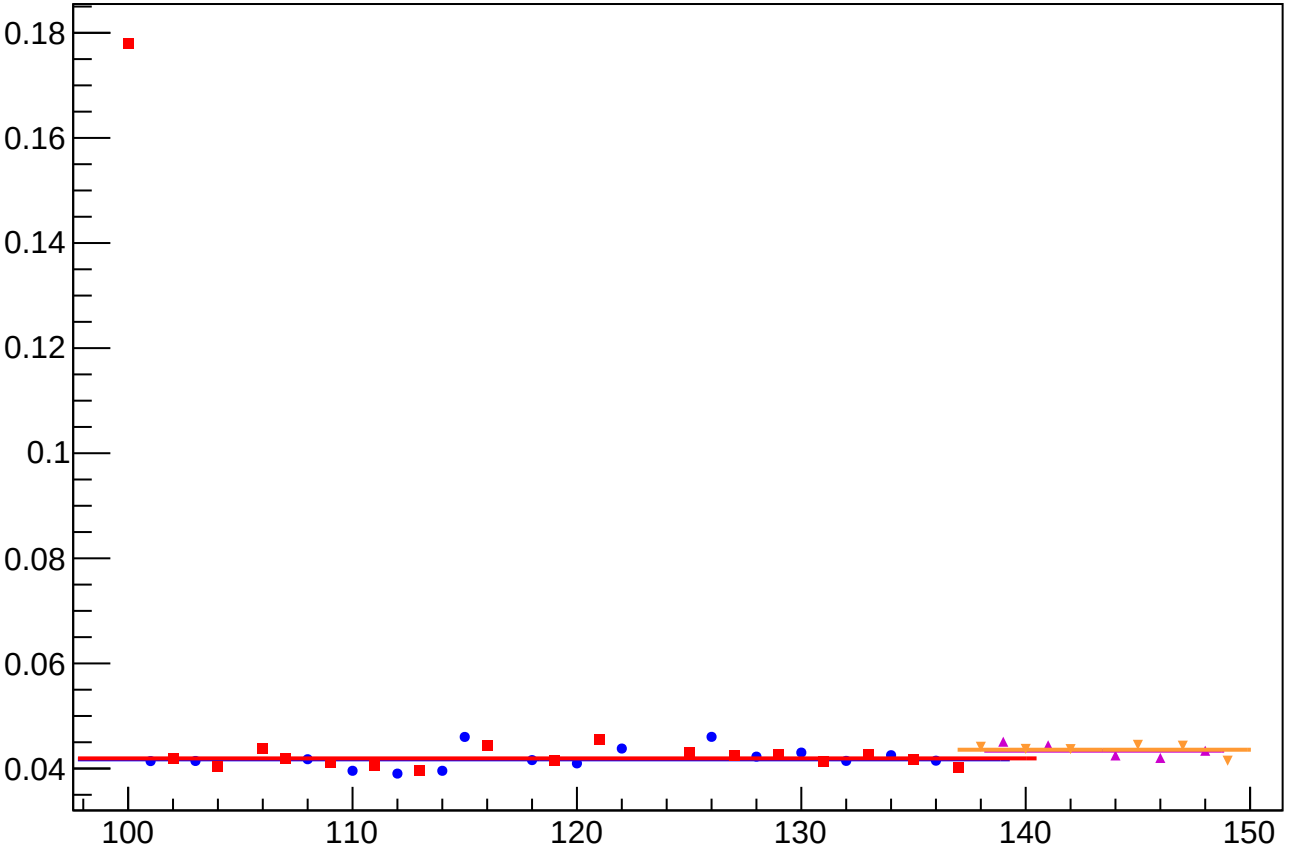
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.632+/-0.000 χ^2/NDF:136027925.4/20

Out: -25.601+/-0.000 χ^2/NDF:8962705837.6/23

All: -25.616+/-0.000 χ^2/NDF: 9101722325.5/

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:5660.9/5

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: 0.043+/-0.000 χ^2/NDF: 11772.5/10

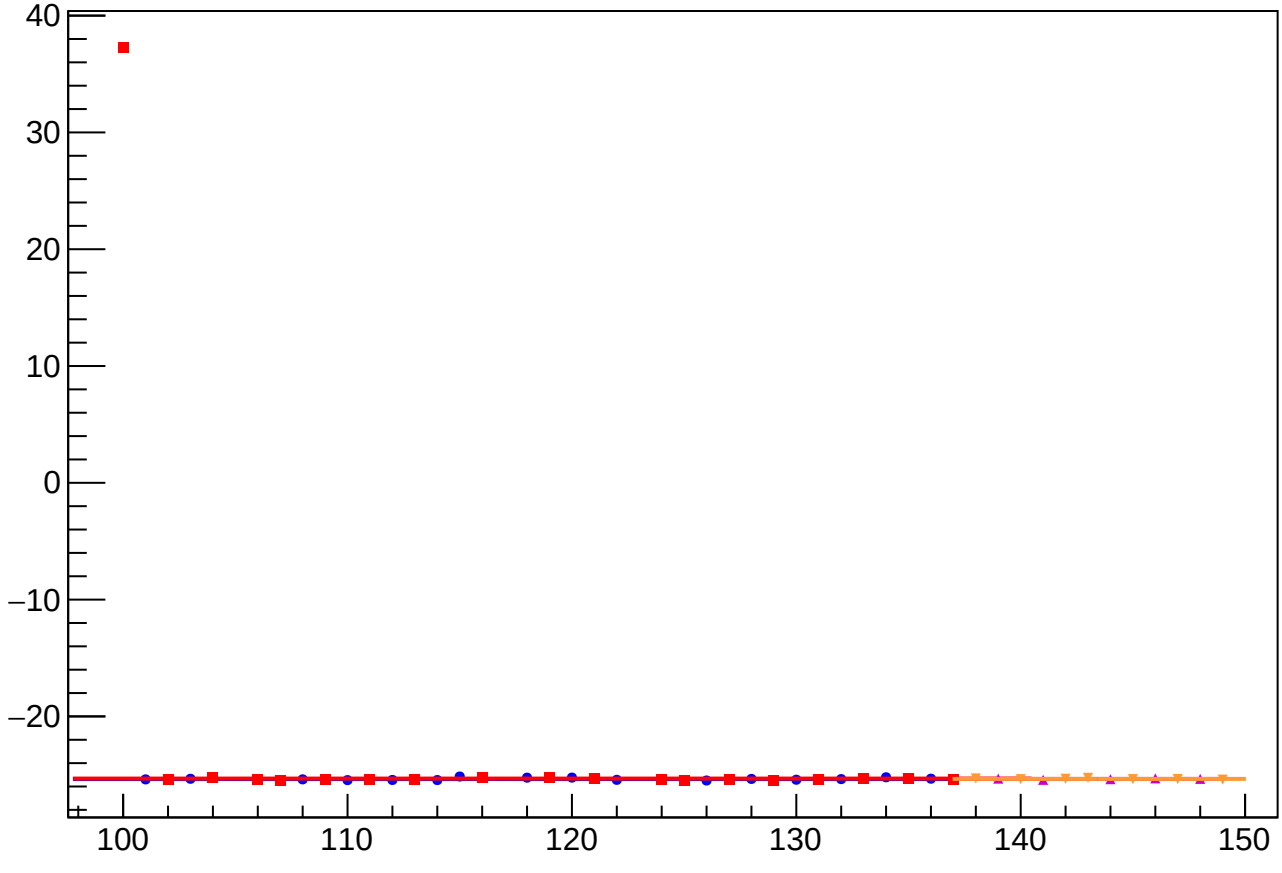
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:34773.4/20

Out: 0.043+/-0.000 χ^2/NDF:113980.8/23

All: 0.042+/-0.000 χ^2/NDF: 148989.9/44

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.349+/-0.000 χ^2/NDF:3510787.0/6

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: -25.351+/-0.000 χ^2/NDF: 5739579.5/11

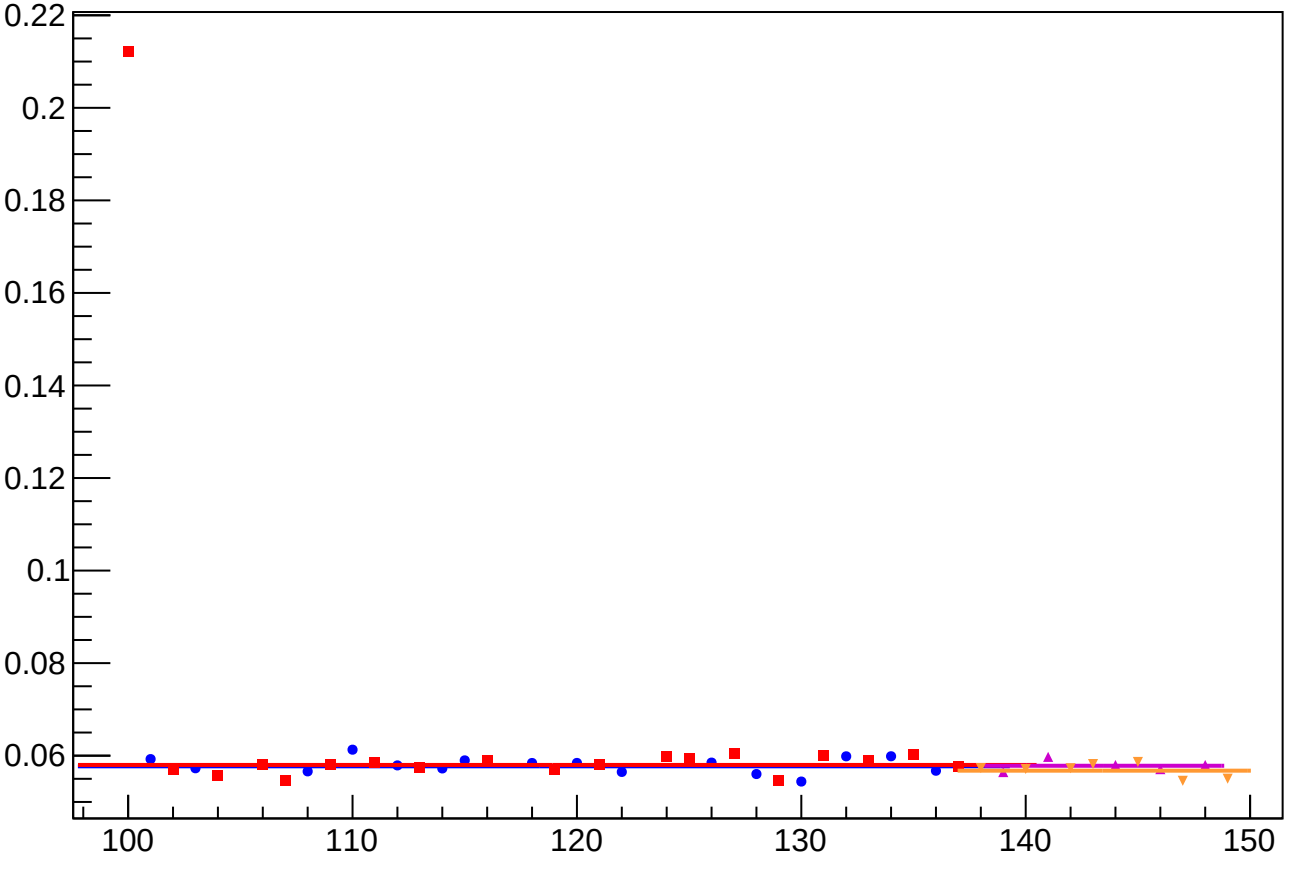
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.358+/-0.000 χ^2/NDF:15535920.8/20

Out: -25.334+/-0.000 χ^2/NDF:6319102852.7/25

All: -25.345+/-0.000 χ^2/NDF: 6335659980.0/

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:6983.8/6

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3029.8/4

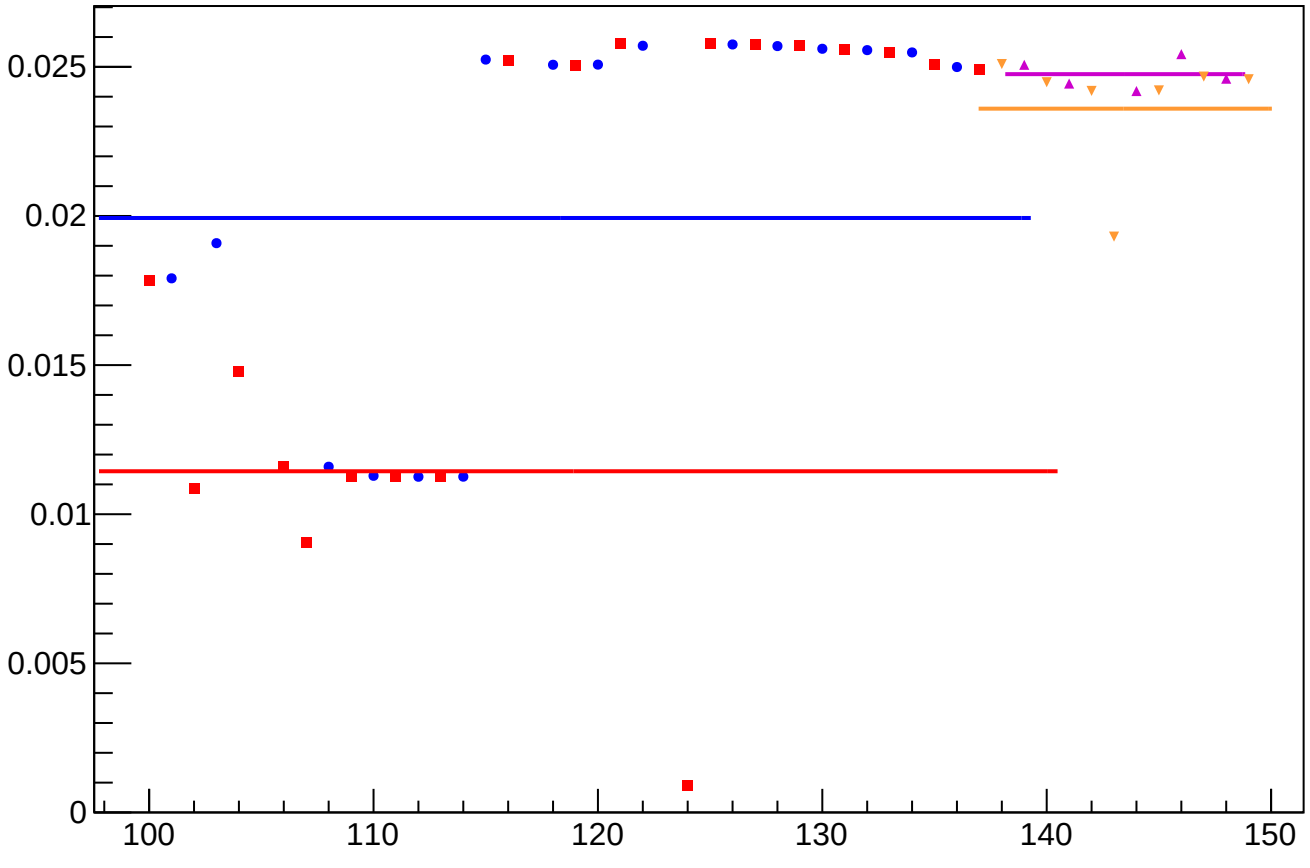
Left: 0.057+/-0.000 χ^2/NDF: 11599.1/11

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14815.9/20

Out: 0.057+/-0.000 χ^2/NDF:98471.3/25

All: 0.058+/-0.000 χ^2/NDF: 113557.8/46



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4116299379.1/6

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: 4817761928.0/11

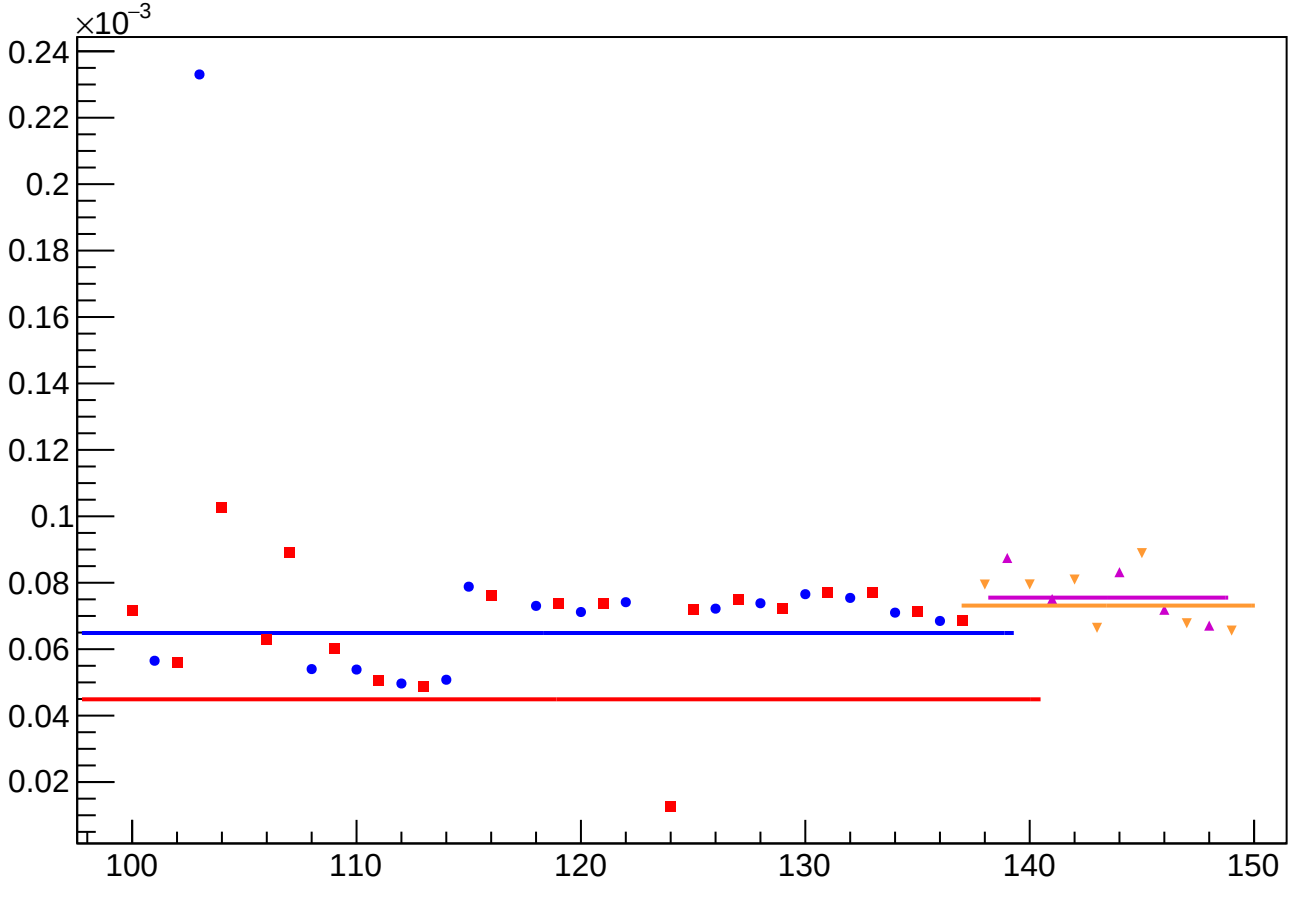
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.021+/-0.000 χ^2/NDF:74203785098.2/20

Out: 0.015+/-0.000 χ^2/NDF:360381253776.5/25

All: 0.017+/-0.000 χ^2/NDF: 496488853835.4

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:124661.5/6

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: 204723.8/11

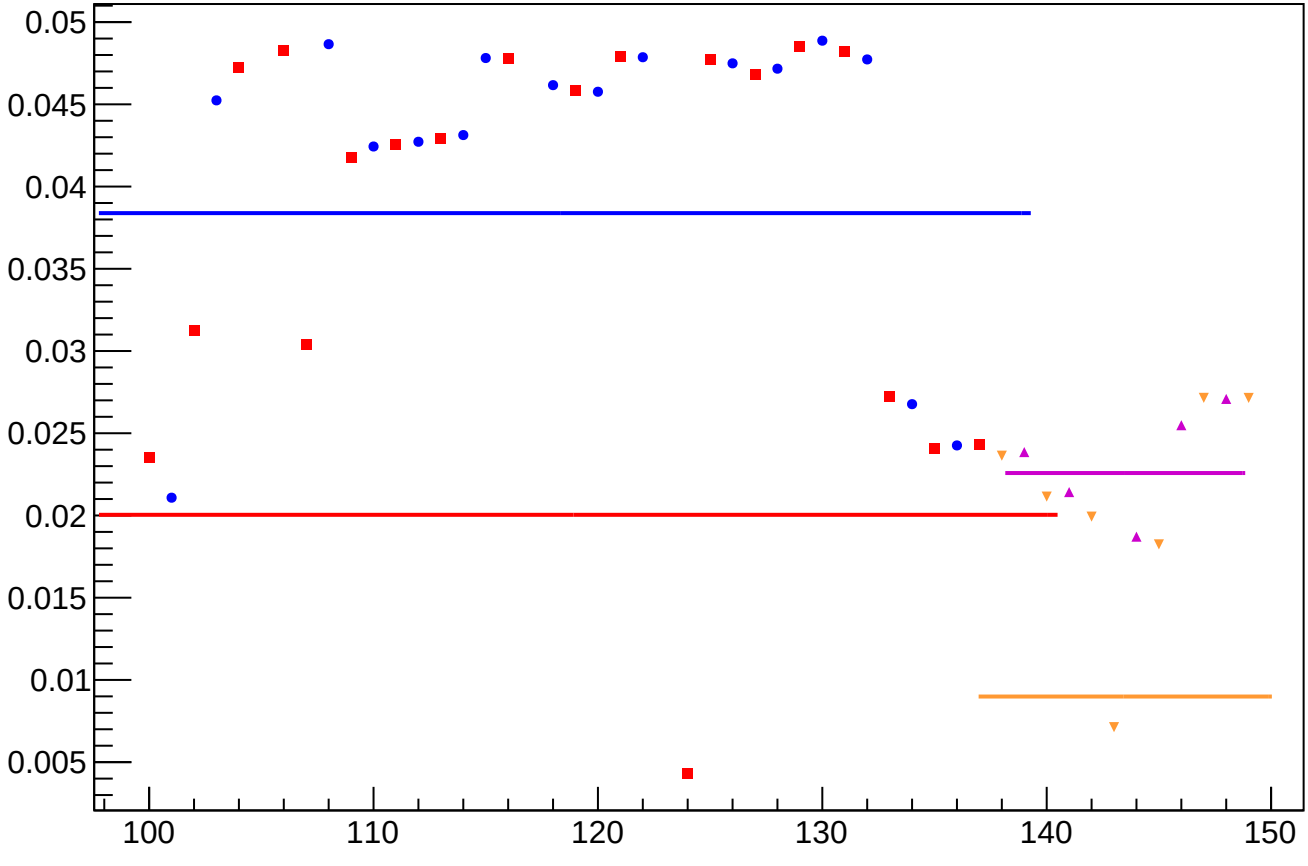
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1005184.8/20

Out: 0.000+/-0.000 χ^2/NDF:4998222.2/25

All: 0.000+/-0.000 χ^2/NDF: 6677261.4/46

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:13537768418.8/6

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: 22637842773.5/11

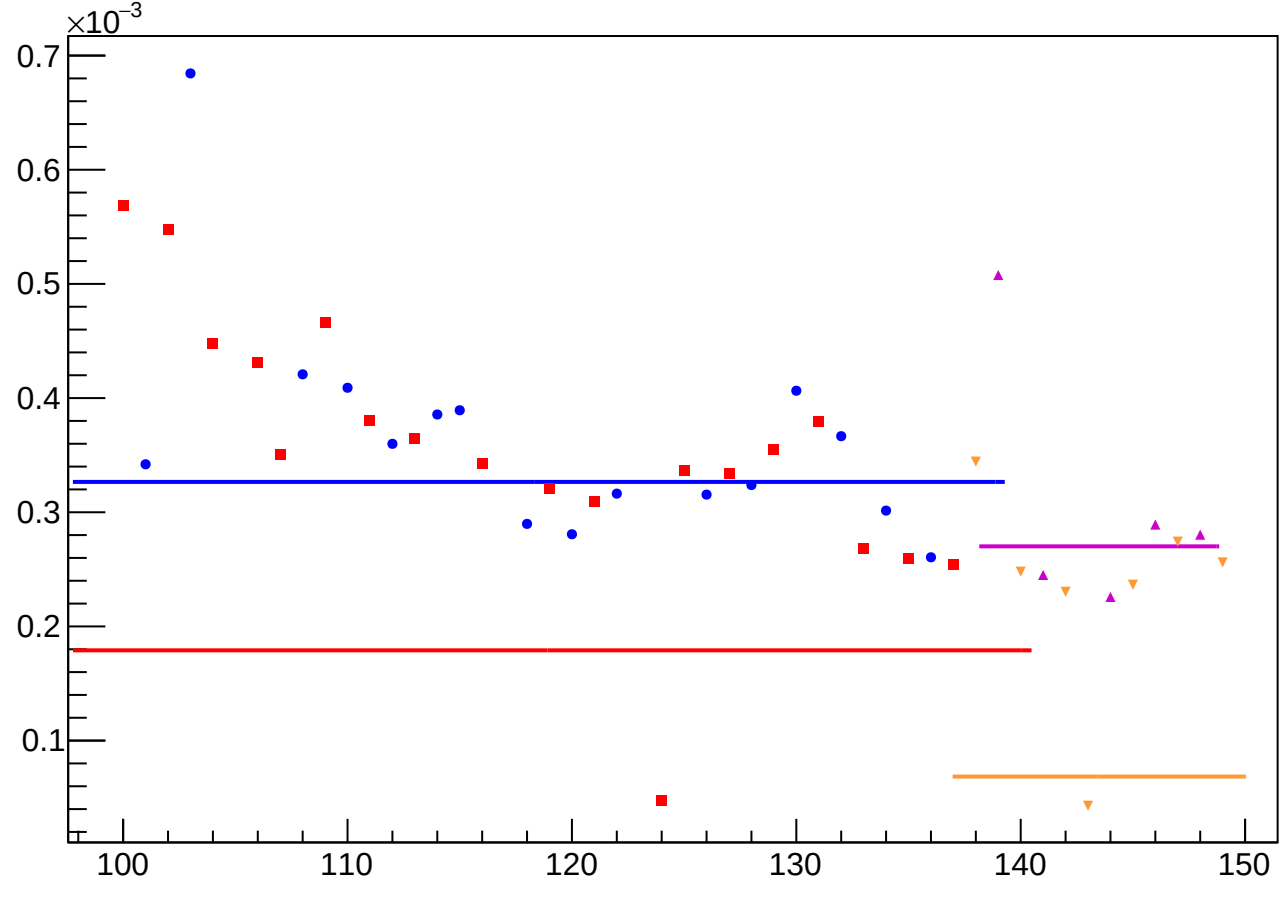
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.031+/-0.000 χ^2/NDF:14472192271.7/20

Out: 0.011+/-0.000 χ^2/NDF:67672366070.5/25

All: 0.014+/-0.000 χ^2/NDF: 119128264618.3

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4929221.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:438011.1/4

Left: 0.000+/-0.000 χ^2/NDF: 9136880.9/11

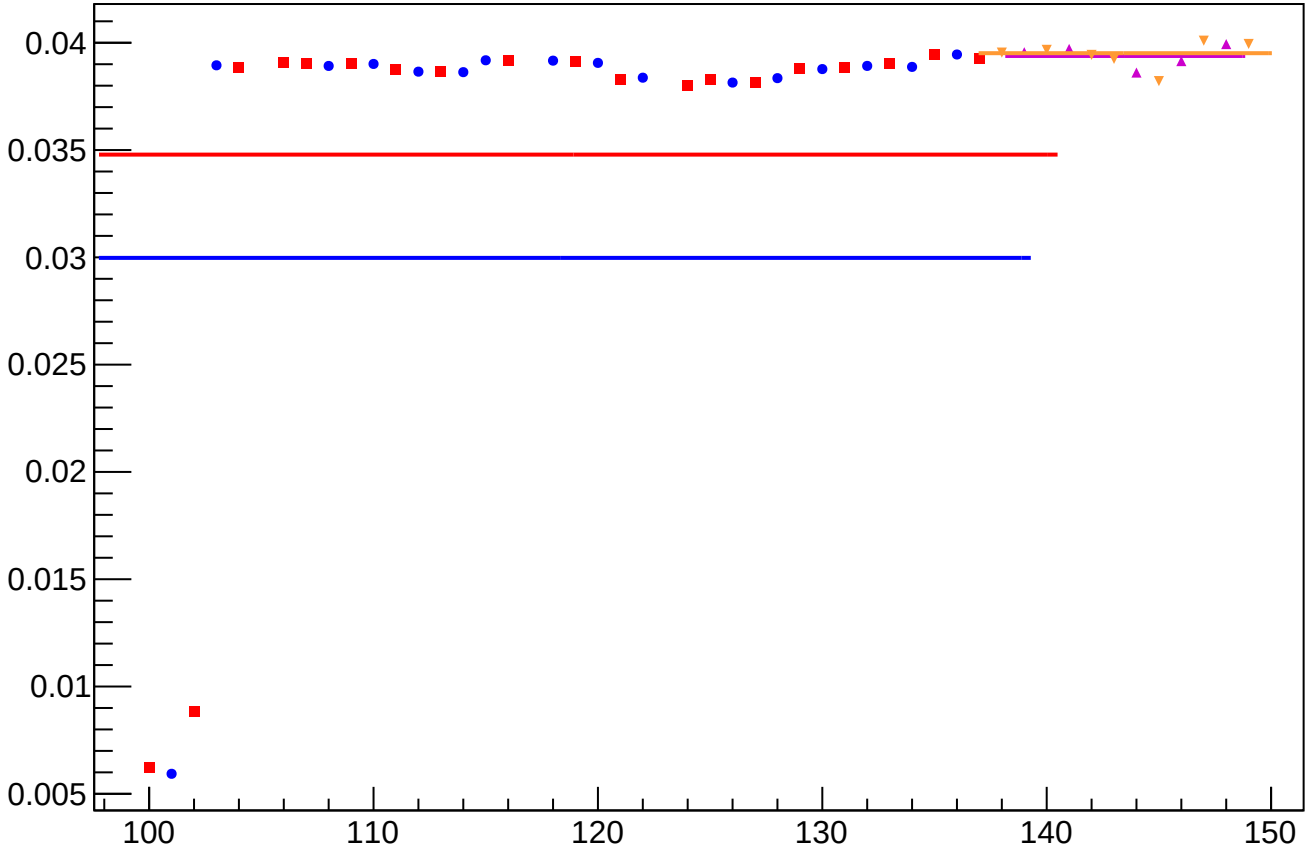
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1194257.4/20

Out: 0.000+/-0.000 χ^2/NDF:12983283.2/25

All: 0.000+/-0.000 χ^2/NDF: 22433786.5/46

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:86678882.8/6

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: 135866595.0/11

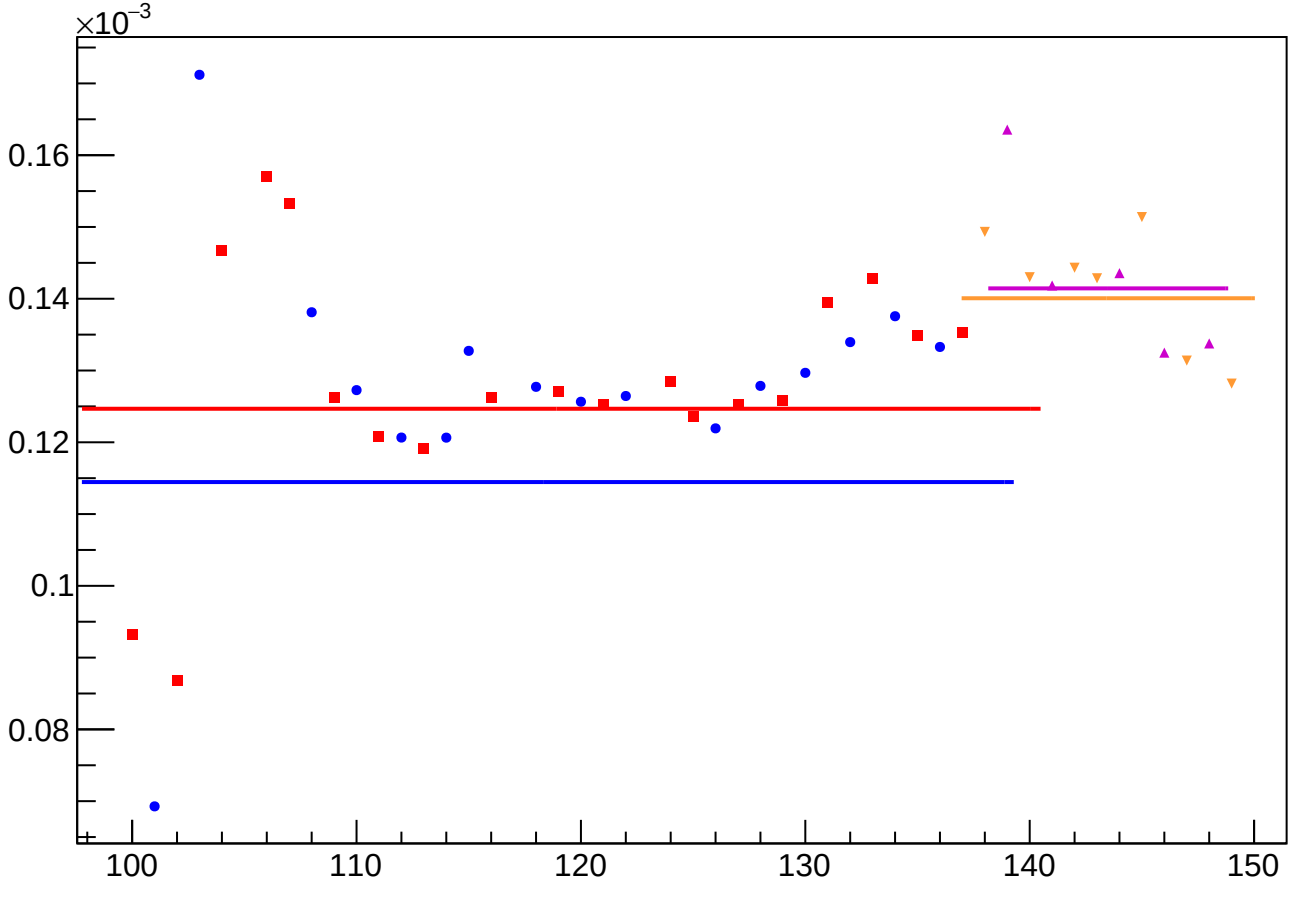
Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.033+/-0.000 χ^2/NDF:121428270700.8/20

Out: 0.037+/-0.000 χ^2/NDF:51027797037.6/25

All: 0.035+/-0.000 χ^2/NDF: 177626153814.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:37706.9/6

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: 81959.2/11

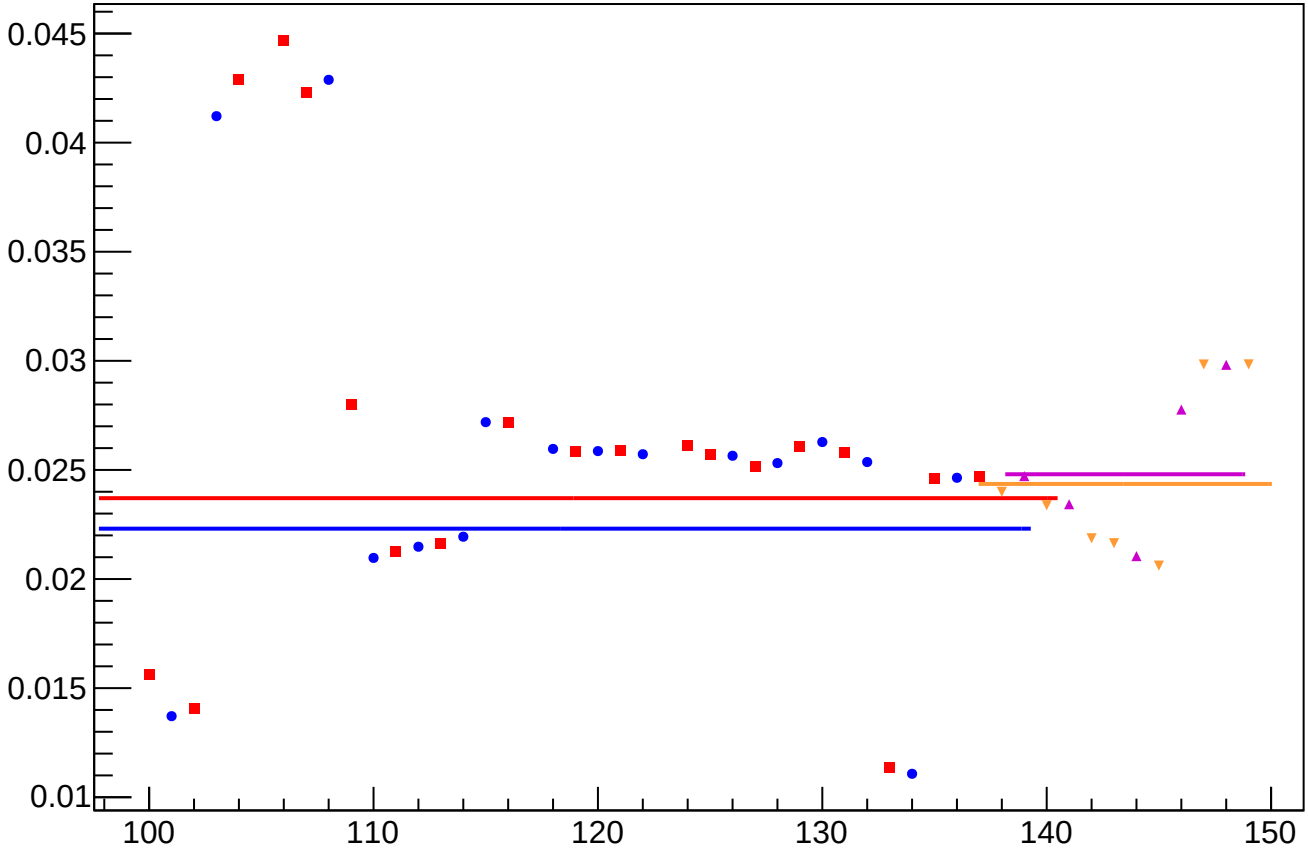
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1112520.1/20

Out: 0.000+/-0.000 χ^2/NDF:376146.8/25

All: 0.000+/-0.000 χ^2/NDF: 1534475.0/46

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.024+/-0.000 χ^2/NDF:1032121136.3/6

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: 0.025+/-0.000 χ^2/NDF: 1660810340.9/11

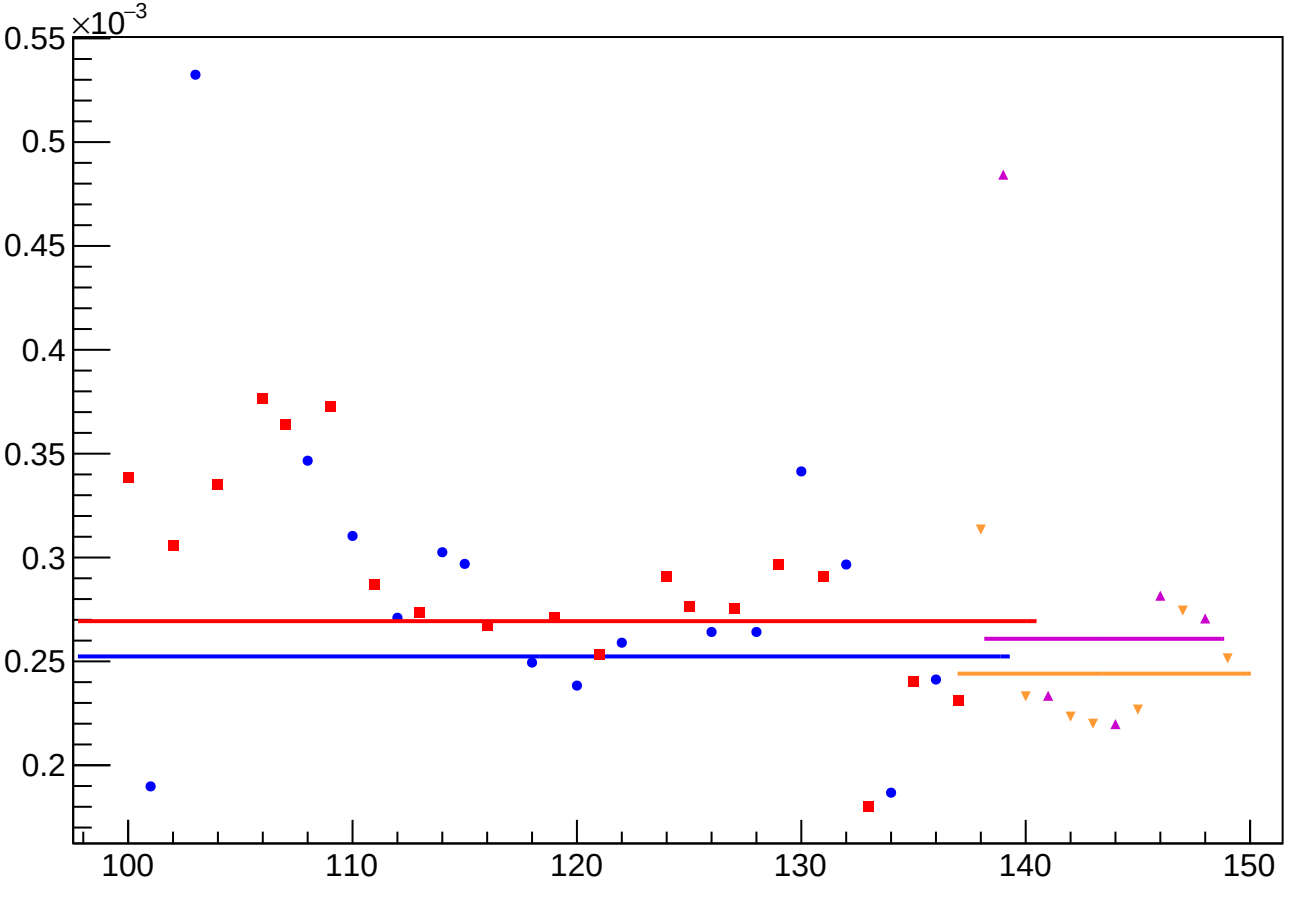
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.023+/-0.000 χ^2/NDF:5855574093.0/20

Out: 0.024+/-0.000 χ^2/NDF:6631613920.6/25

All: 0.024+/-0.000 χ^2/NDF: 12538230772.9/4

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:120582.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:435062.1/4

Left: 0.000+/-0.000 χ^2/NDF: 573856.5/11

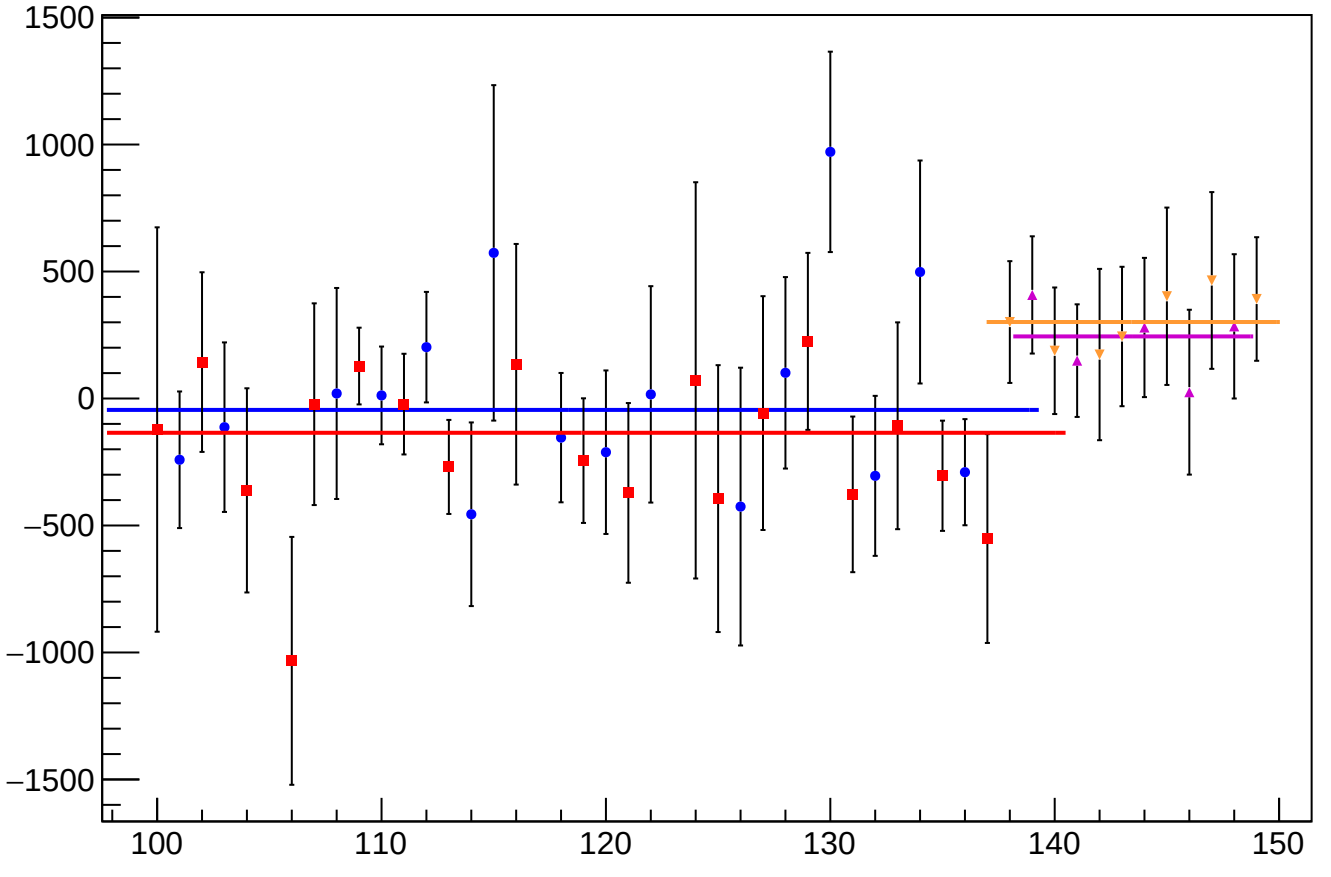
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1148039.4/20

Out: 0.000+/-0.000 χ^2/NDF:619875.0/25

All: 0.000+/-0.000 χ^2/NDF: 1768671.8/46

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: 301.223+/-106.045 χ^2/NDF:0.8/6

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: 275.389+/-78.271 χ^2/NDF: 2.1/11

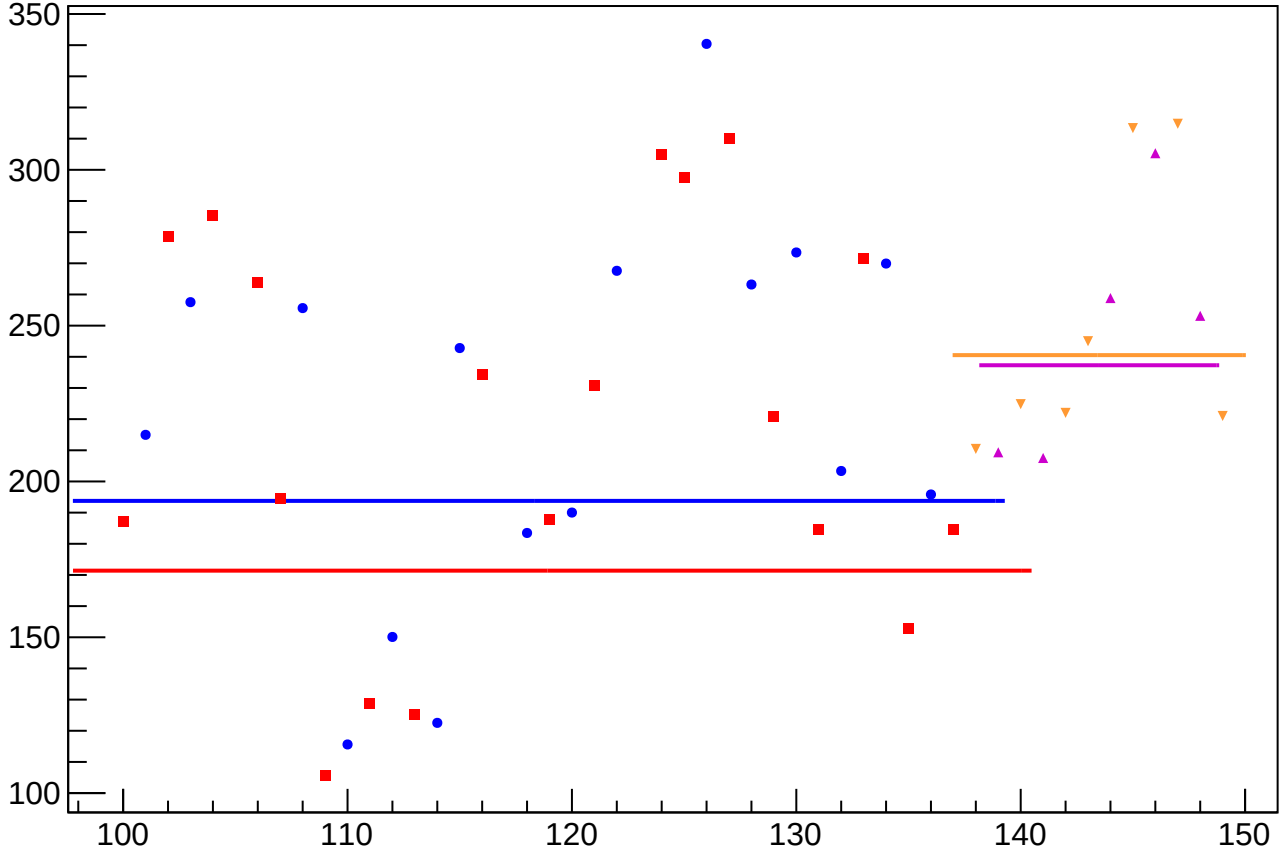
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 42.303+/-63.688 χ^2/NDF:21.0/20

Out: -7.728+/-57.279 χ^2/NDF:25.7/25

All: 14.644+/-42.589 χ^2/NDF: 47.1/46

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: 240.539+/-0.075 χ^2/NDF:237015.3/6

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

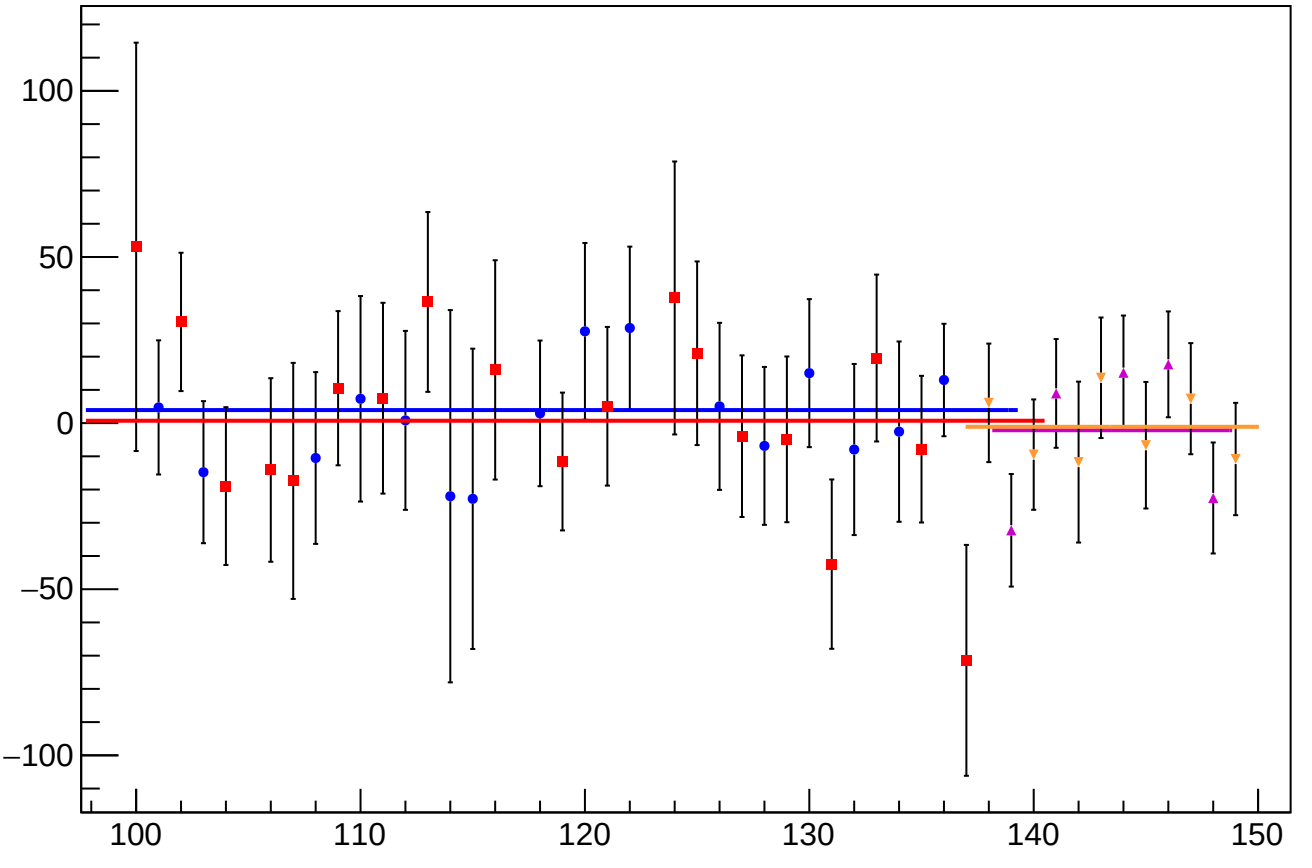
Left: 239.060+/-0.055 χ^2/NDF: 409658.4/11

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 206.885+/-0.045 χ^2/NDF:1416541.2/20

Out: 191.559+/-0.041 χ^2/NDF:2497530.1/25

All: 198.412+/-0.030 χ^2/NDF: 3978102.5/46



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -1.107+/-6.845 χ^2/NDF:1.9/6

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: -1.584+/-5.034 χ^2/NDF: 9.6/11

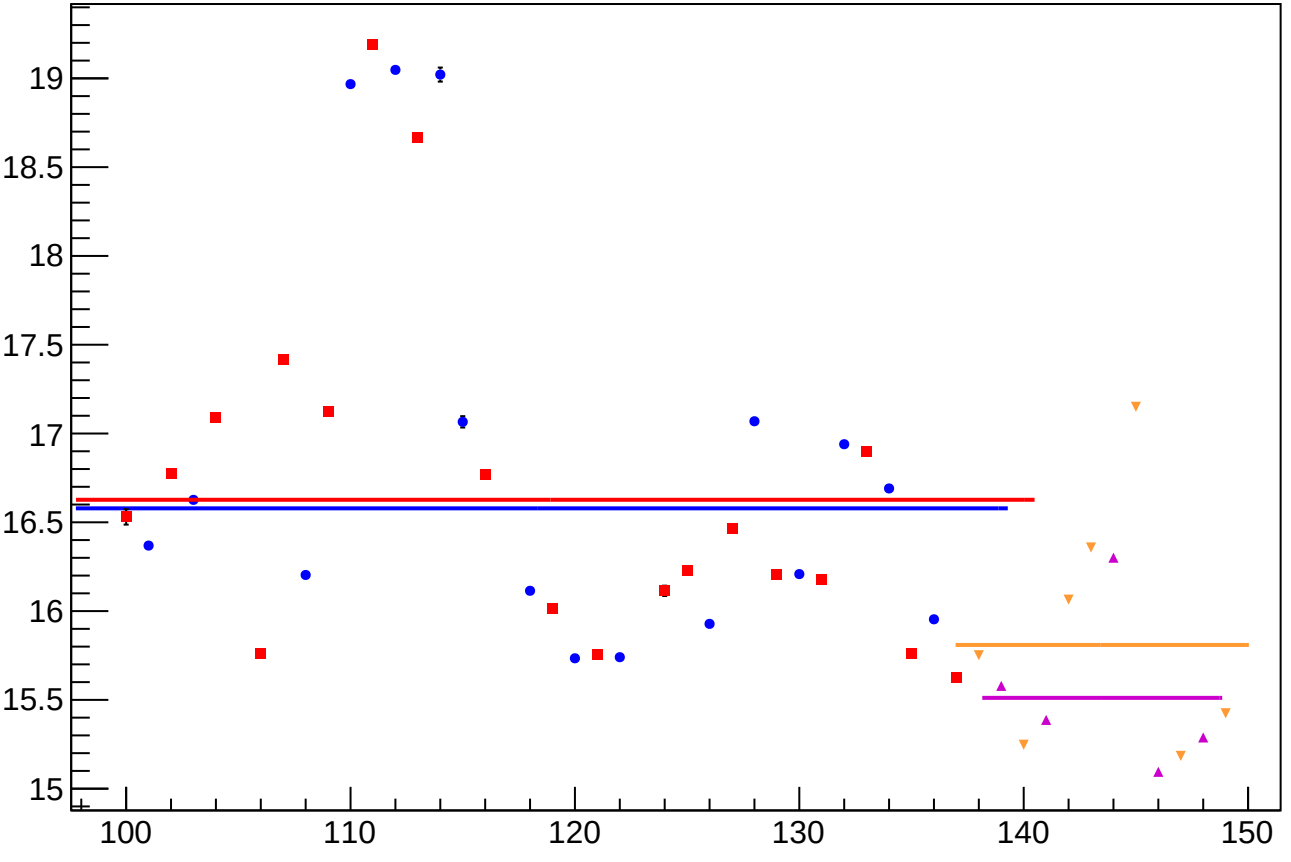
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.445+/-4.747 χ^2/NDF:12.6/20

Out: -0.089+/-4.544 χ^2/NDF:17.9/25

All: 0.645+/-3.283 χ^2/NDF: 30.5/46

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: 15.809+/-0.005 χ^2/NDF:18102.4/6

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.511+/-0.005 χ^2/NDF:6078.3/4

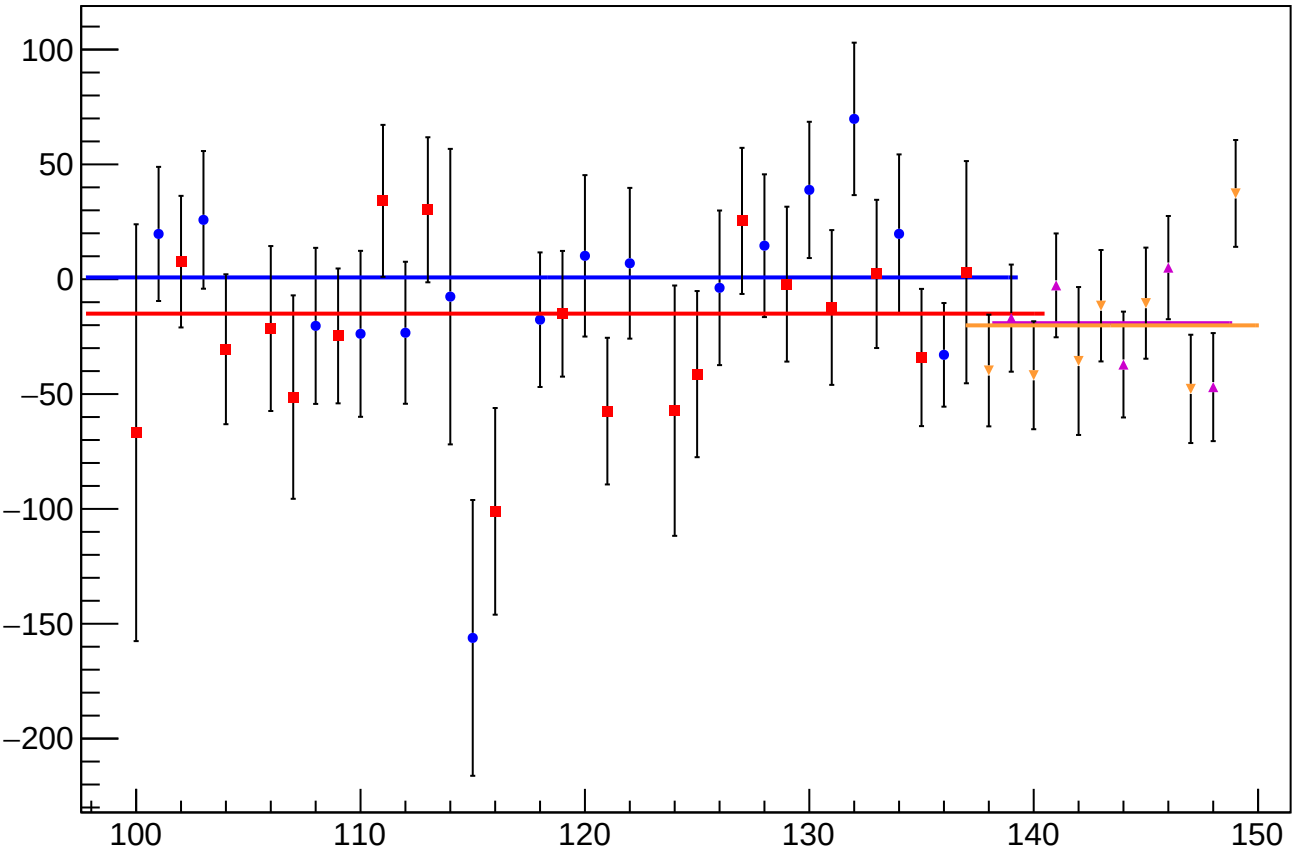
Left: 15.673+/-0.004 χ^2/NDF: 25920.0/11

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.143+/-0.003 χ^2/NDF:75072.0/20

Out: 16.267+/-0.003 χ^2/NDF:77520.3/25

All: 16.207+/-0.002 χ^2/NDF: 153300.9/46



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -20.089+/-9.316 χ^2/NDF:9.5/6

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: -19.662+/-6.902 χ^2/NDF: 13.2/11

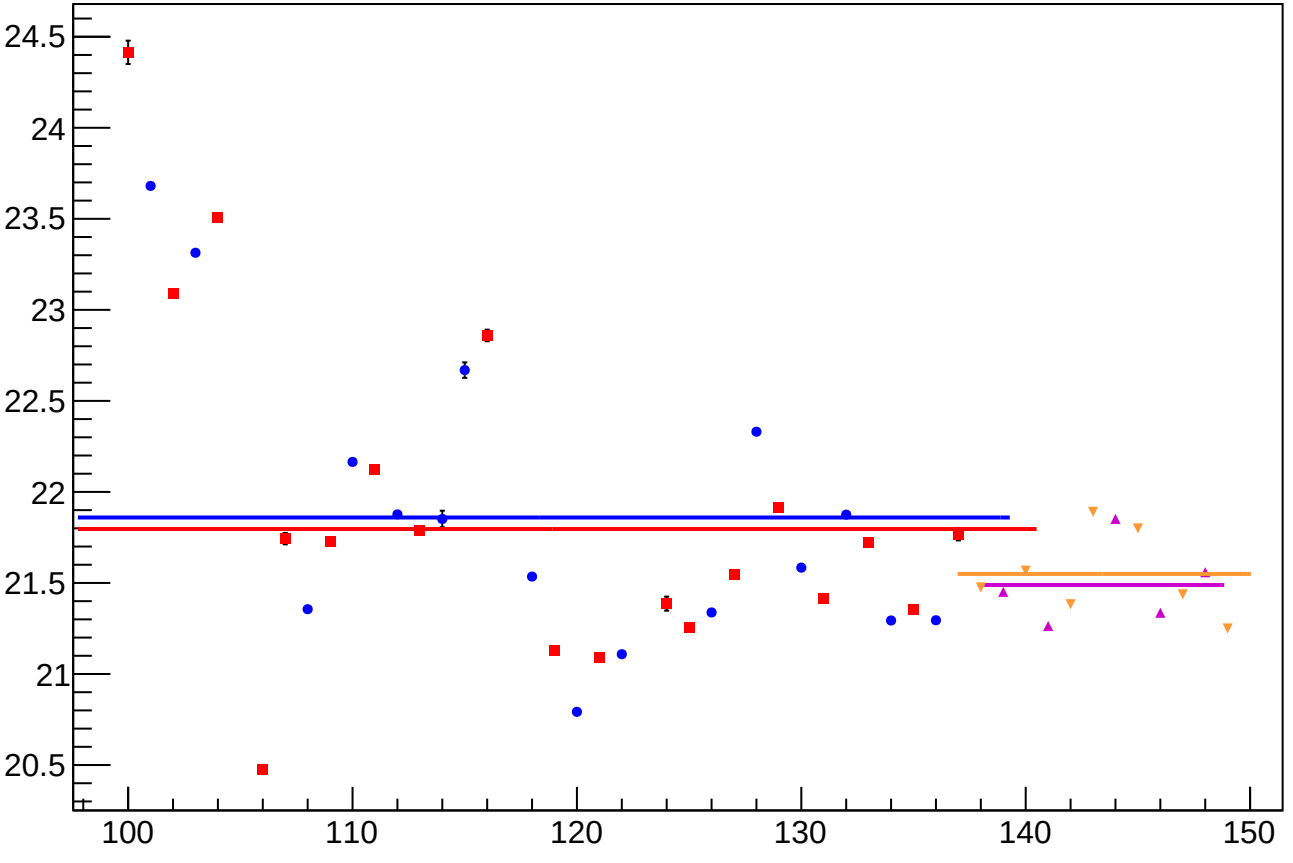
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -6.876+/-6.374 χ^2/NDF:24.7/20

Out: -17.135+/-6.049 χ^2/NDF:25.1/25

All: -12.273+/-4.387 χ^2/NDF: 51.1/46

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: 21.549+/-0.007 χ^2/NDF:1059.5/6

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: 21.522+/-0.005 χ^2/NDF: 1908.1/11

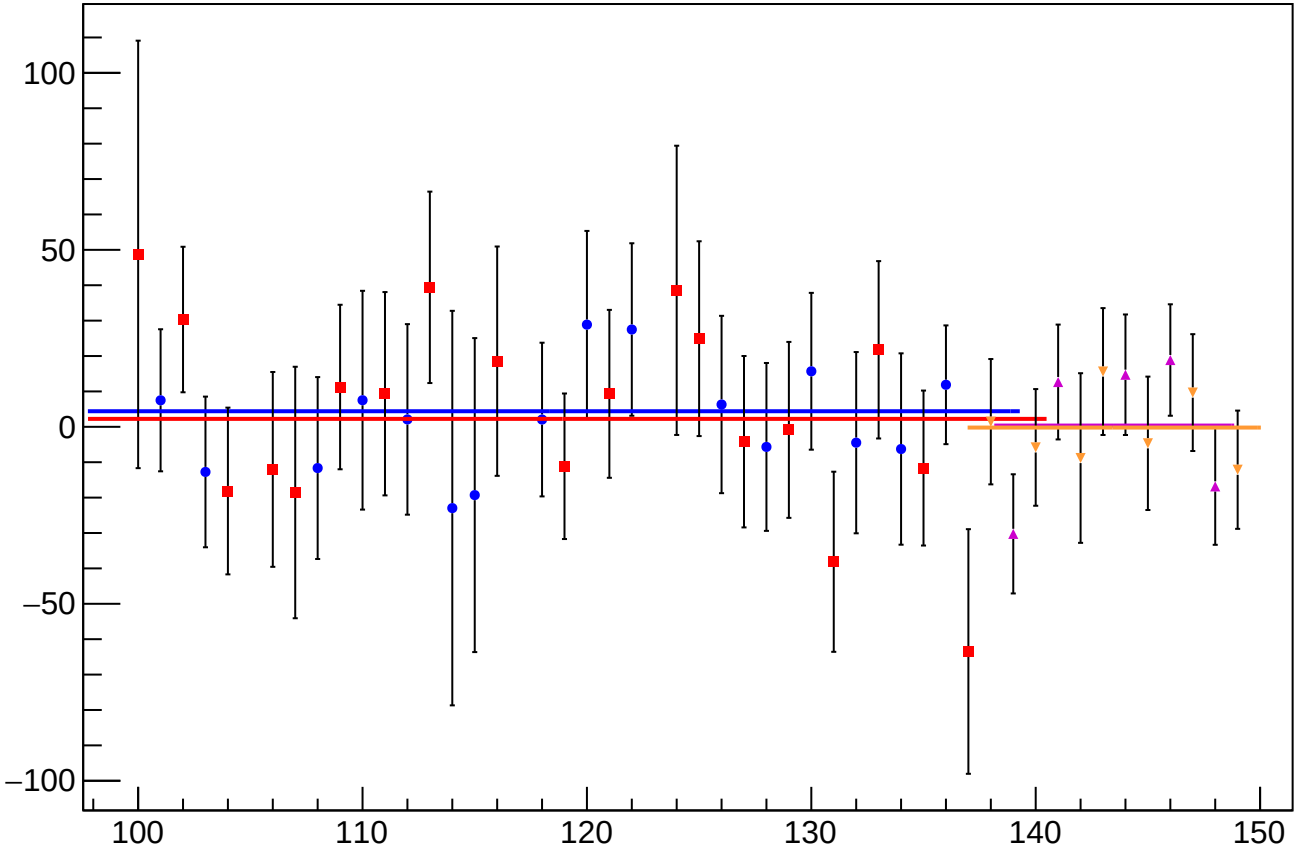
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.717+/-0.005 χ^2/NDF:21880.4/20

Out: 21.692+/-0.004 χ^2/NDF:20732.5/25

All: 21.704+/-0.003 χ^2/NDF: 42628.7/46

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: -0.211+/-6.774 χ^2/NDF:2.0/6

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: 0.048+/-4.983 χ^2/NDF: 9.0/11

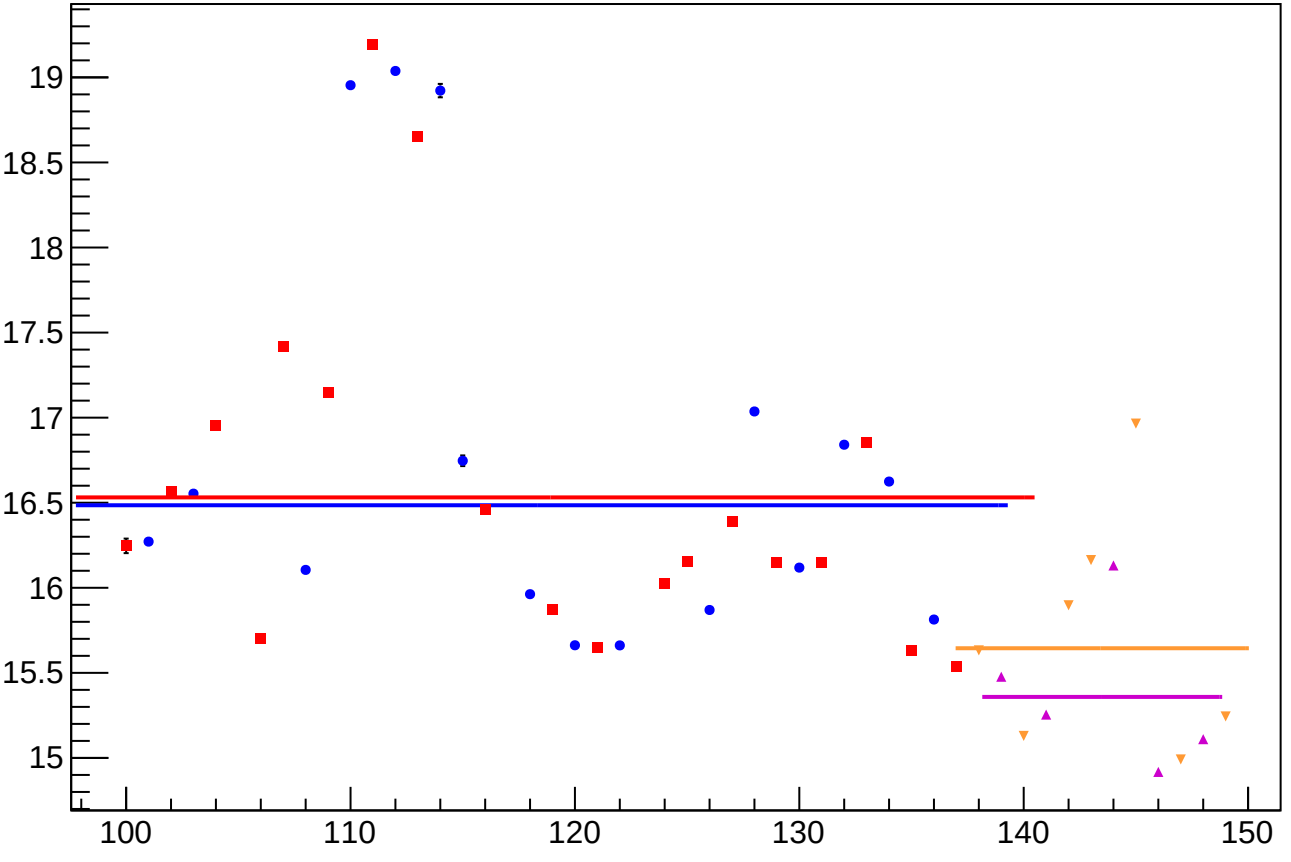
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.742+/-4.712 χ^2/NDF:11.5/20

Out: 1.156+/-4.509 χ^2/NDF:17.4/25

All: 1.914+/-3.258 χ^2/NDF: 29.0/46

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: 15.645+/-0.005 χ^2/NDF:17957.3/6

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.359+/-0.005 χ^2/NDF:6318.8/4

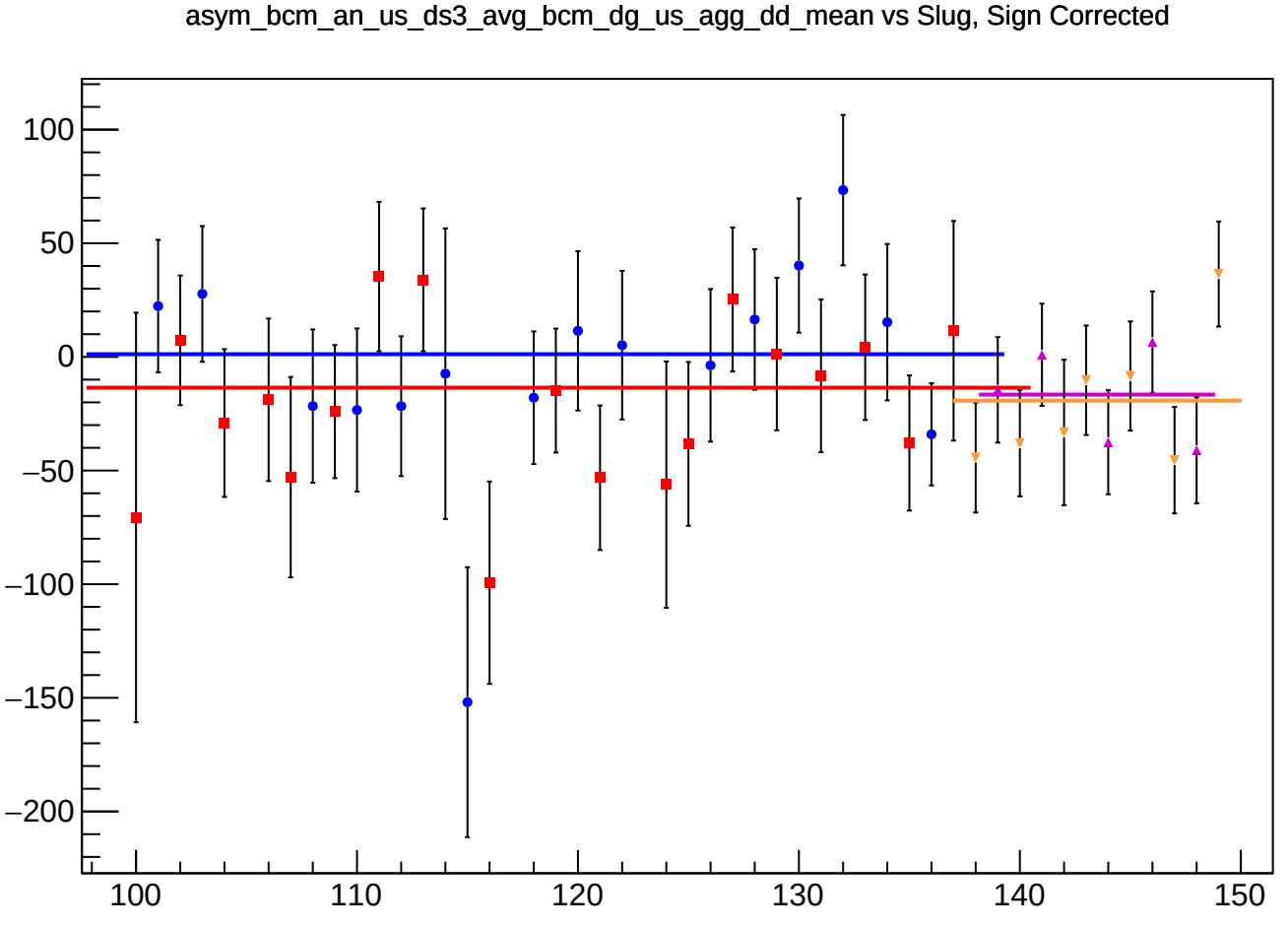
Left: 15.513+/-0.004 χ^2/NDF: 25912.7/11

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

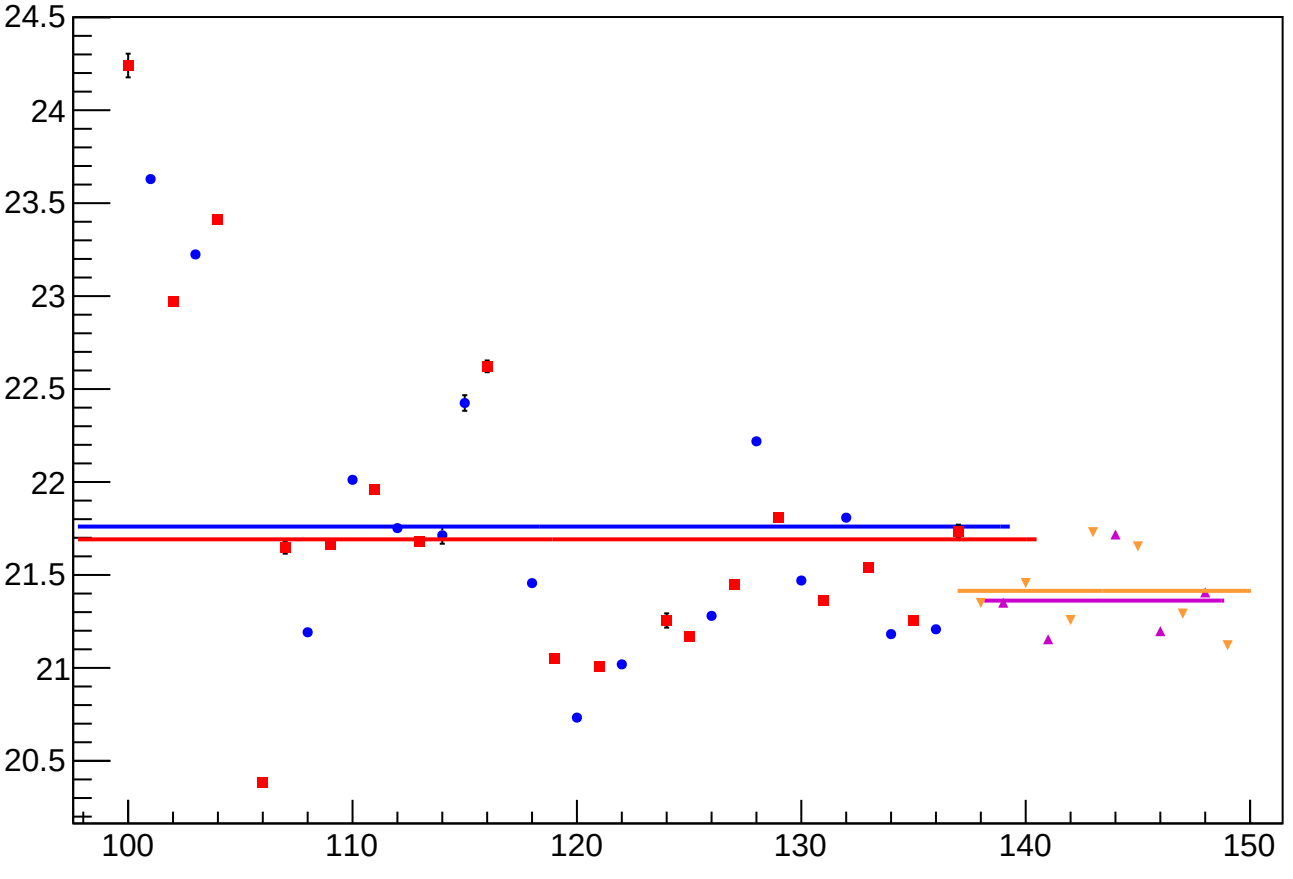
In: 16.023+/-0.003 χ^2/NDF:81157.5/20

Out: 16.138+/-0.003 χ^2/NDF:83513.3/25

All: 16.083+/-0.002 χ^2/NDF: 165299.0/46


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: -19.246+/-9.257 χ²/NDF:9.3/6
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -16.580+/-10.217 χ²/NDF:3.6/4
Left: -18.044+/-6.860 χ²/NDF: 13.0/11
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -5.659+/-6.341 χ²/NDF:24.9/20
Out: -15.955+/-6.016 χ²/NDF:25.5/25
All: -11.078+/-4.364 χ²/NDF: 51.7/46

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: 21.414+/-0.007 χ^2/NDF:985.6/6

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.362+/-0.007 χ^2/NDF:769.9/4

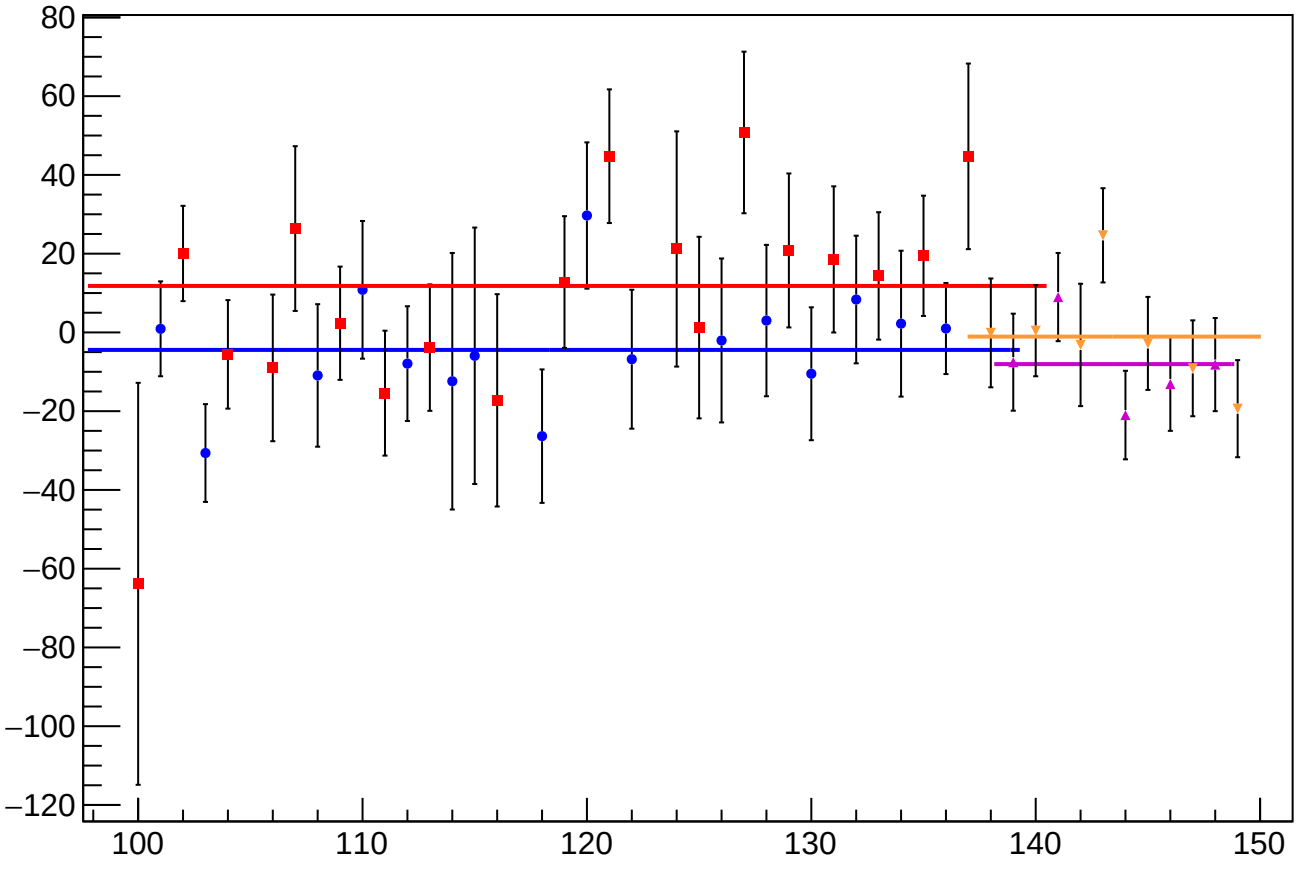
Left: 21.391+/-0.005 χ^2/NDF: 1784.5/11

Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.607+/-0.004 χ^2/NDF:22384.2/20

Out: 21.575+/-0.004 χ^2/NDF:20351.9/25

All: 21.590+/-0.003 χ^2/NDF: 42763.3/46



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -1.063+/-4.751 χ^2/NDF:7.3/6

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: -4.226+/-3.514 χ^2/NDF: 12.1/11

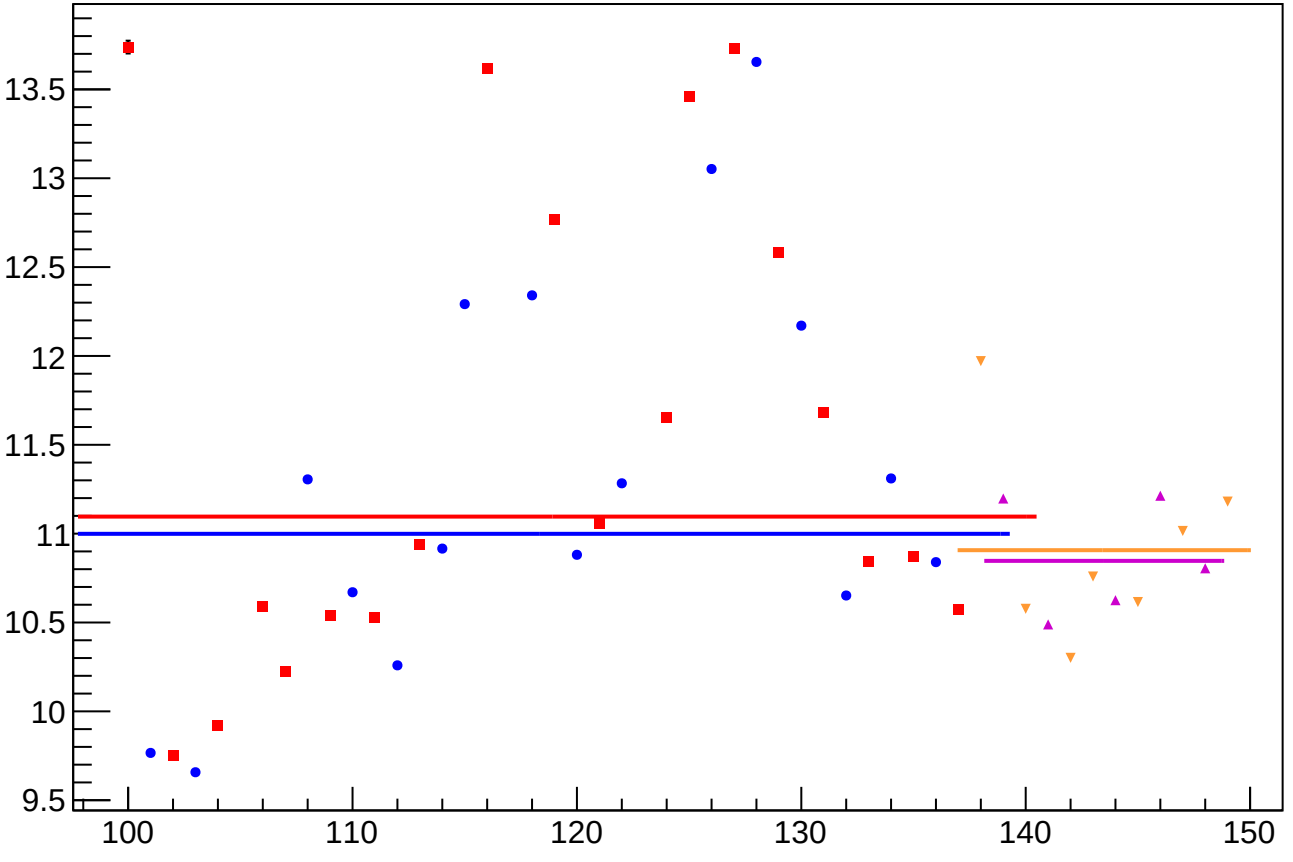
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -5.828+/-3.240 χ^2/NDF:16.1/20

Out: 6.317+/-3.103 χ^2/NDF:33.3/25

All: 0.506+/-2.241 χ^2/NDF: 56.7/46

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: 10.907+/-0.003 χ^2/NDF:19182.3/6

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: 10.880+/-0.002 χ^2/NDF: 25684.8/11

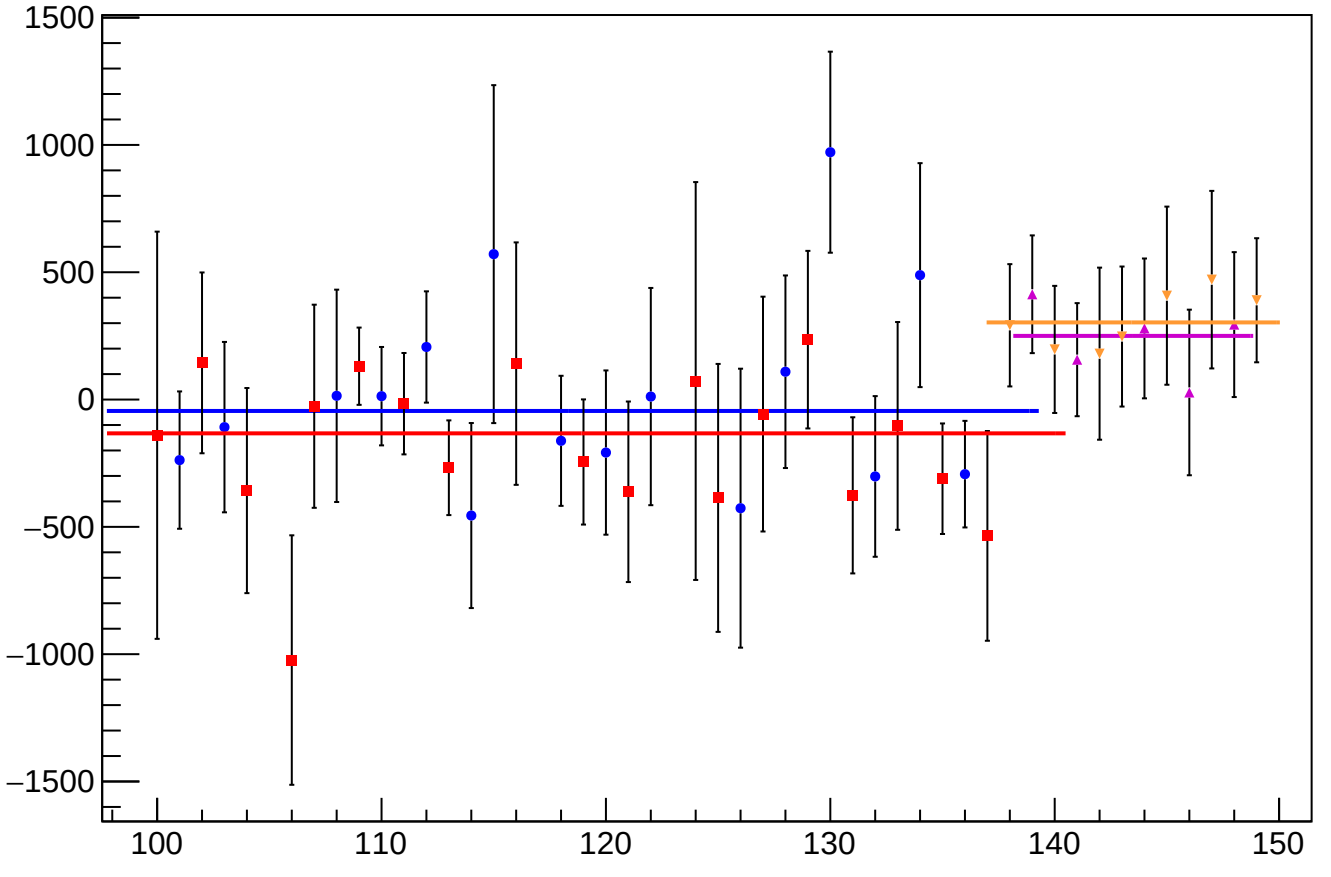
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.940+/-0.002 χ^2/NDF:143561.7/20

Out: 11.015+/-0.002 χ^2/NDF:183906.5/25

All: 10.980+/-0.002 χ^2/NDF: 328025.3/46

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: 302.935+/-106.226 χ^2/NDF:0.8/6

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: 278.848+/-78.405 χ^2/NDF: 2.1/11

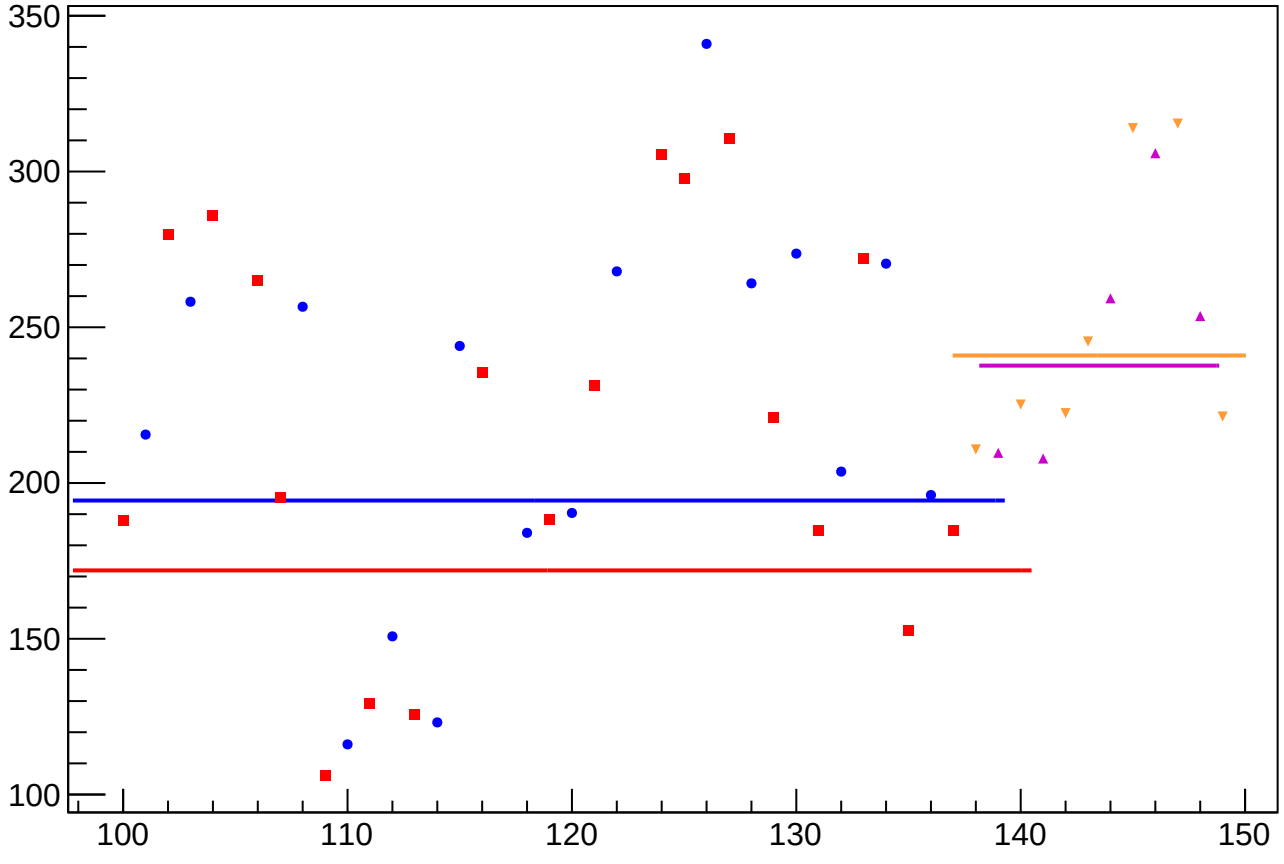
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 44.215+/-63.853 χ^2/NDF:21.1/20

Out: -5.382+/-57.431 χ^2/NDF:25.6/25

All: 16.798+/-42.700 χ^2/NDF: 47.0/46

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: 240.946+/-0.075 χ^2/NDF:237241.1/6

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: 239.464+/-0.055 χ^2/NDF: 410080.1/11

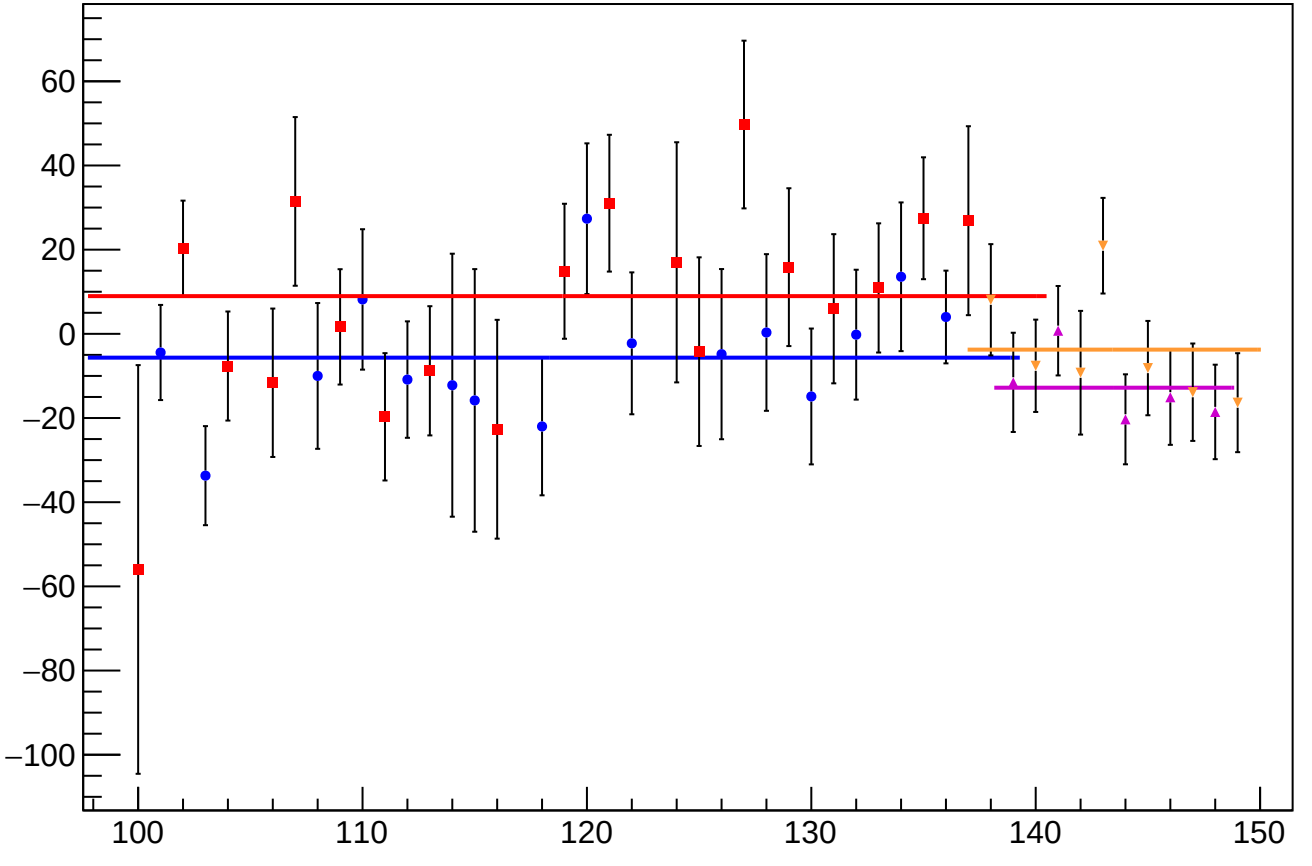
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 207.460+/-0.045 χ^2/NDF:1407885.8/20

Out: 192.117+/-0.041 χ^2/NDF:2485729.0/25

All: 198.978+/-0.030 χ^2/NDF: 3957443.5/46

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.751+/-4.514 χ^2/NDF:7.9/6

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: -7.844+/-3.340 χ^2/NDF: 12.1/11

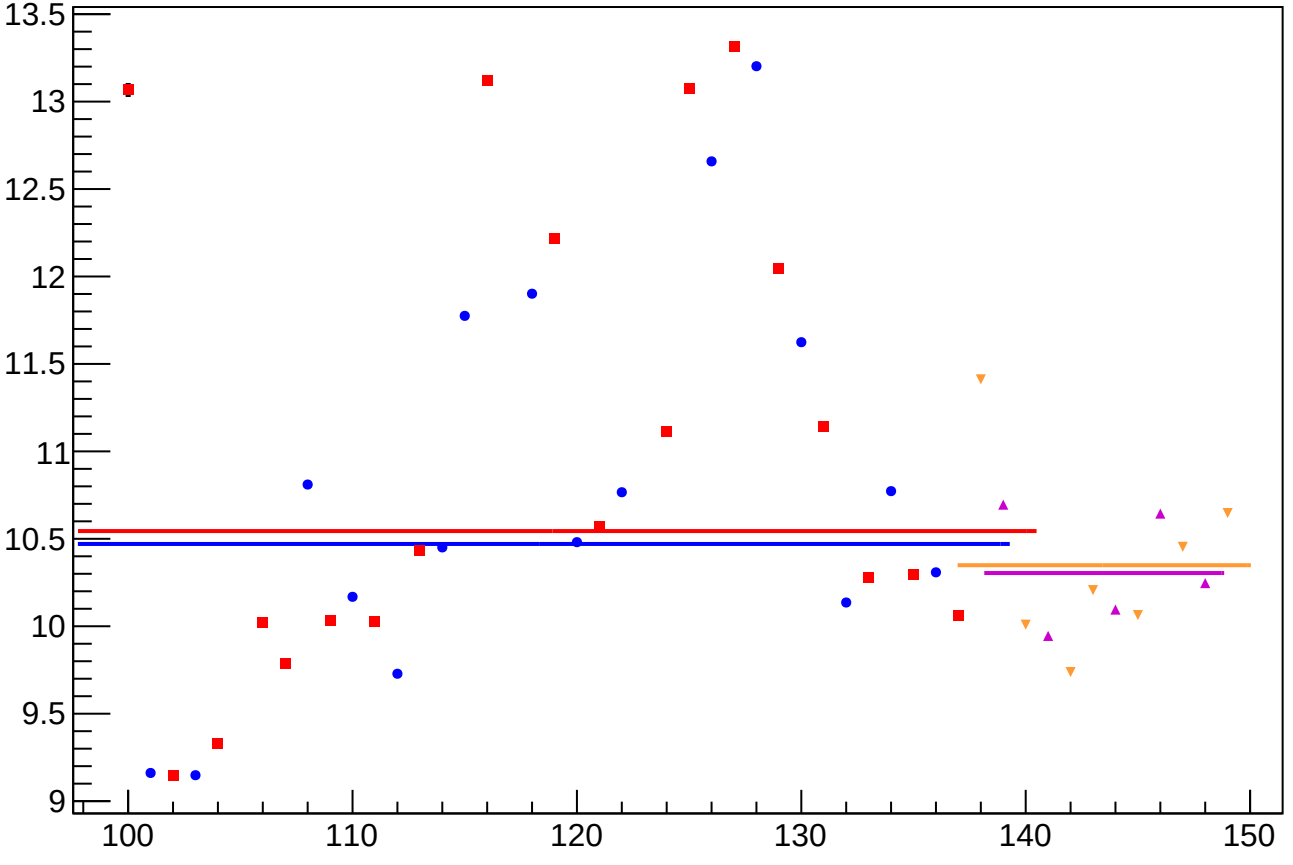
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.415+/-3.086 χ^2/NDF:17.4/20

Out: 3.525+/-2.951 χ^2/NDF:35.2/25

All: -2.179+/-2.133 χ^2/NDF: 60.4/46

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: 10.349+/-0.003 χ^2/NDF:21377.8/6

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: 10.329+/-0.002 χ^2/NDF: 28579.9/11

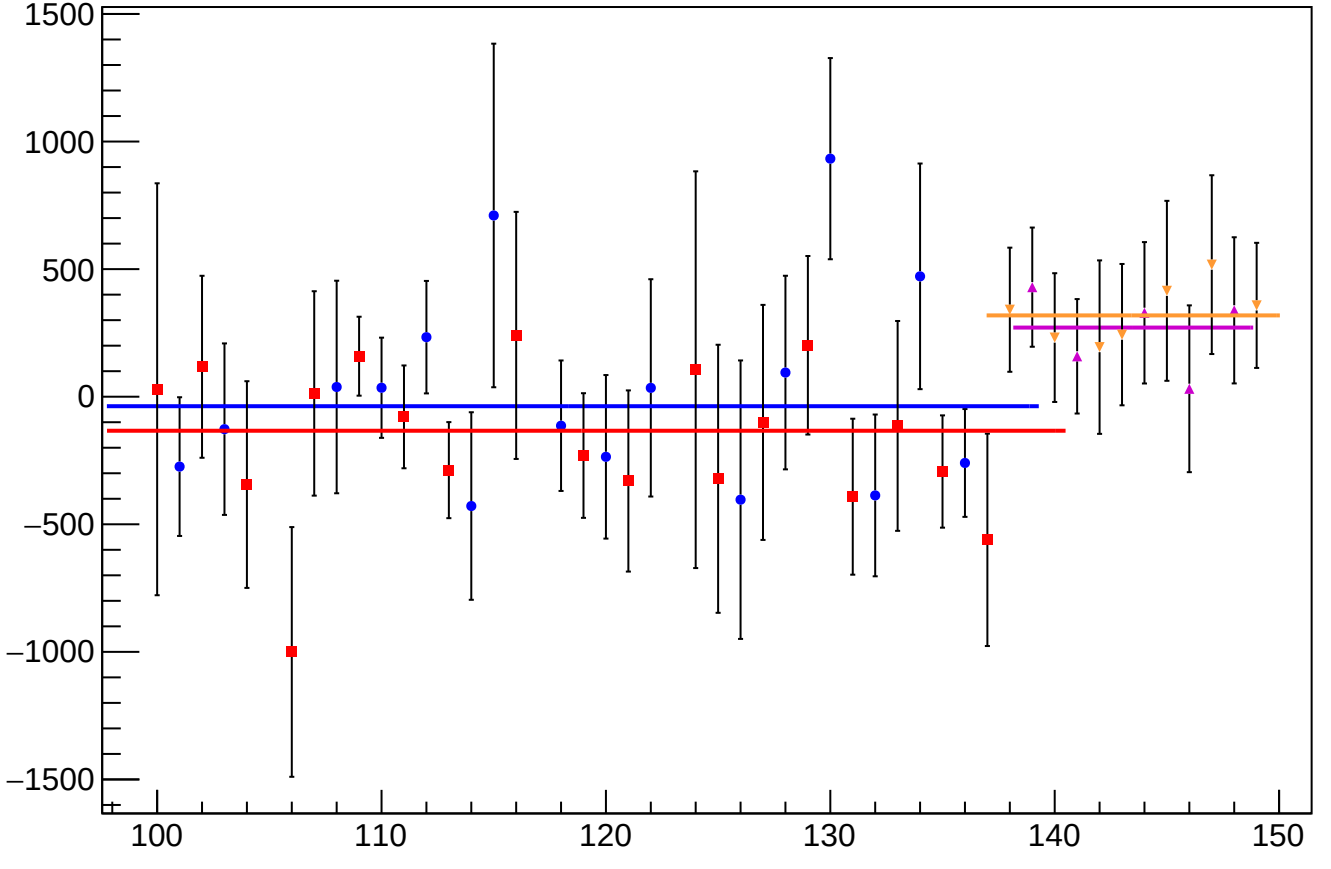
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.406+/-0.002 χ^2/NDF:165855.6/20

Out: 10.461+/-0.002 χ^2/NDF:210303.0/25

All: 10.435+/-0.002 χ^2/NDF: 376483.9/46

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 318.643+/-107.129 χ^2/NDF:0.8/6

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: 296.925+/-79.076 χ^2/NDF: 2.2/11

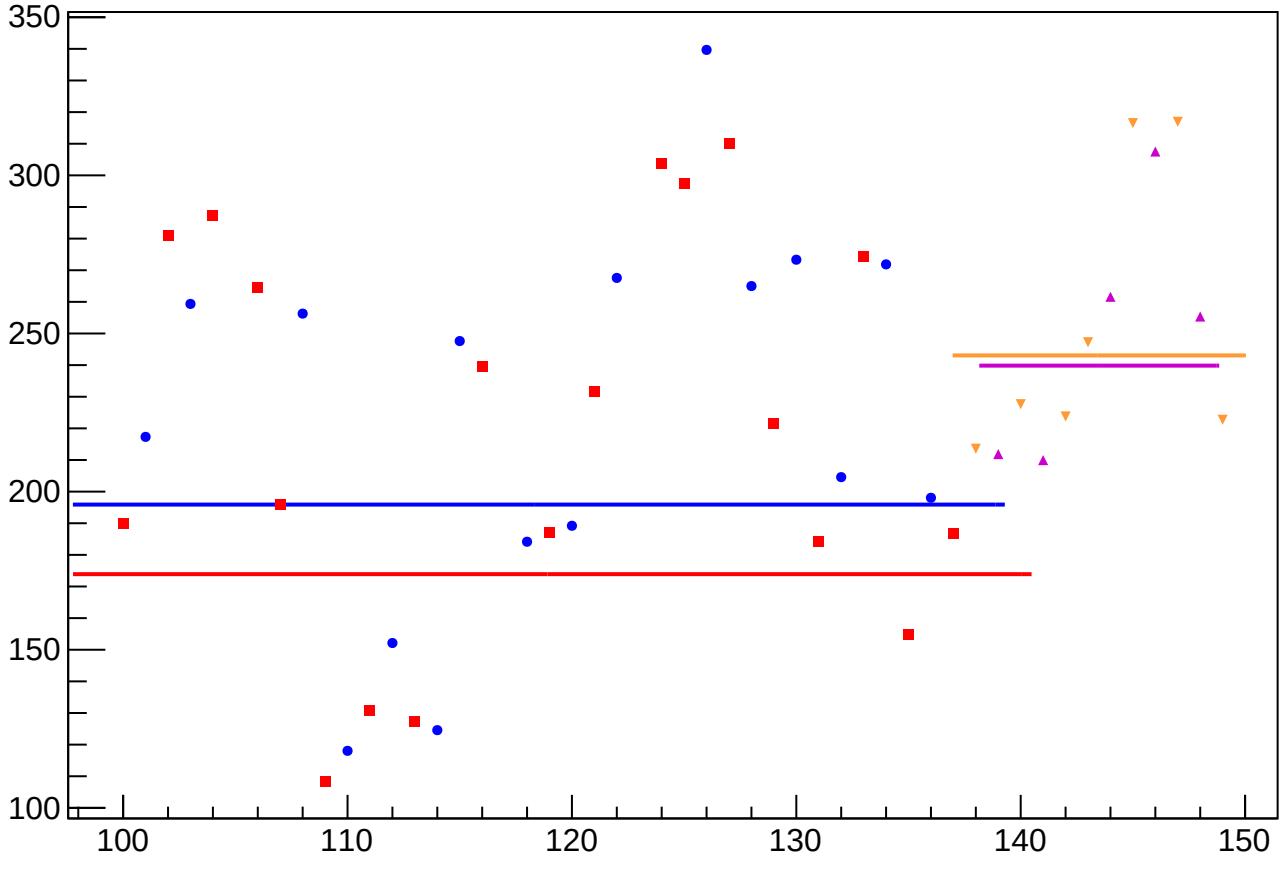
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 55.520+/-64.305 χ^2/NDF:21.8/20

Out: -1.160+/-57.941 χ^2/NDF:26.3/25

All: 24.237+/-43.045 χ^2/NDF: 48.5/46

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 243.066+/-0.076 χ^2/NDF:233263.8/6

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: 241.598+/-0.056 χ^2/NDF: 402309.6/11

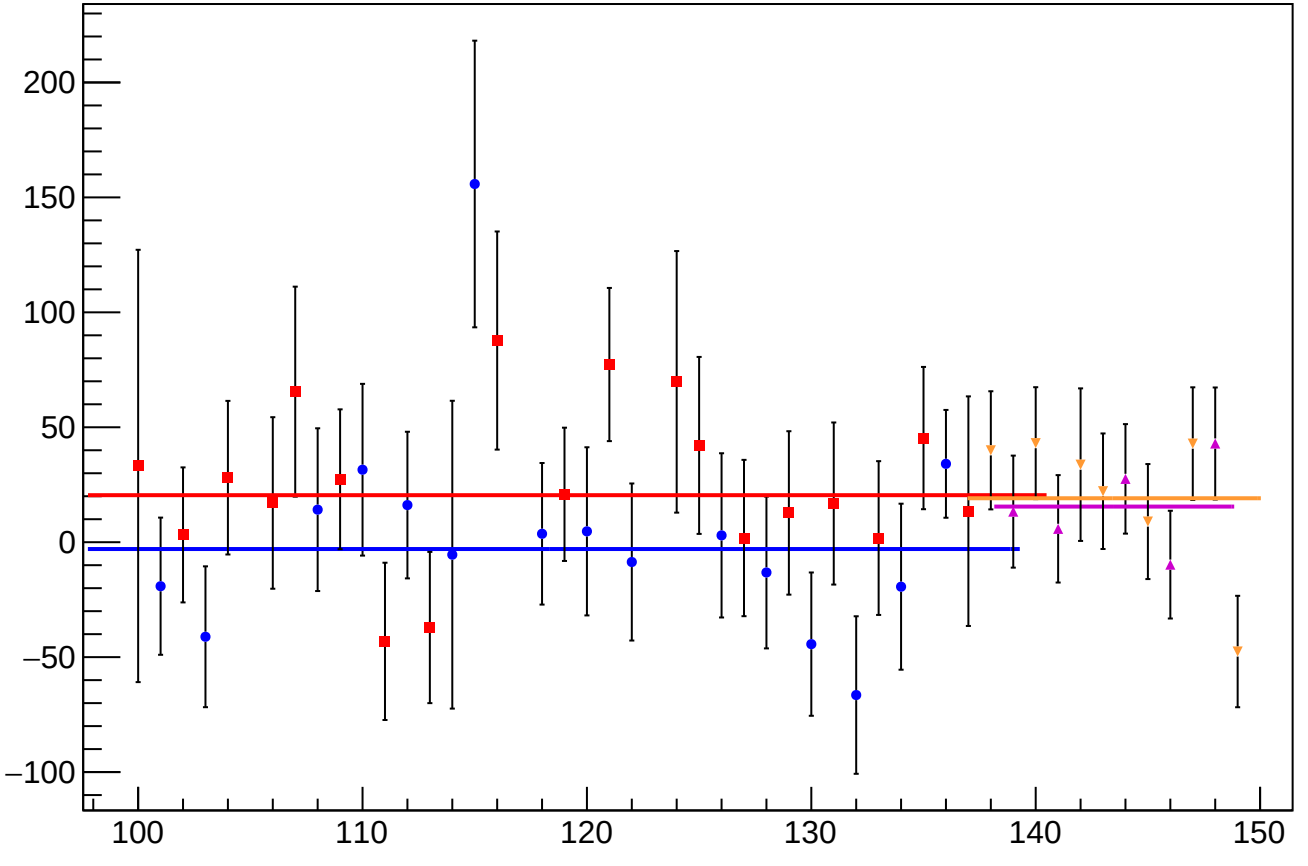
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 209.126+/-0.045 χ^2/NDF:1375704.5/20

Out: 194.133+/-0.041 χ^2/NDF:2422663.0/25

All: 200.851+/-0.030 χ^2/NDF: 3858368.6/46

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: 19.120+/-9.686 χ^2/NDF:10.5/6

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: 17.484+/-7.172 χ^2/NDF: 13.4/11

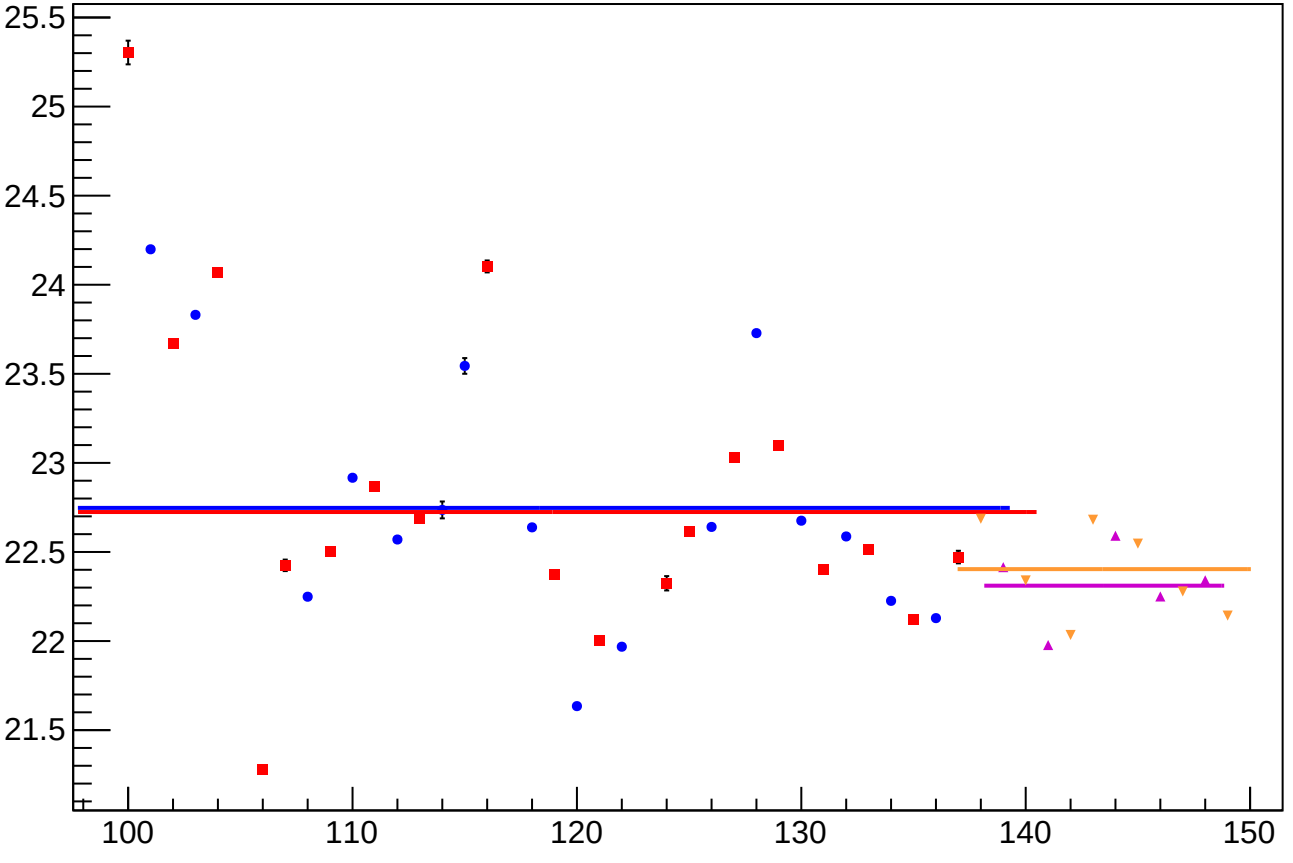
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.154+/-6.626 χ^2/NDF:22.6/20

Out: 19.891+/-6.299 χ^2/NDF:25.8/25

All: 12.421+/-4.565 χ^2/NDF: 51.4/46

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: 22.404+/-0.007 χ^2/NDF:1096.5/6

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: 22.362+/-0.005 χ^2/NDF: 1916.1/11

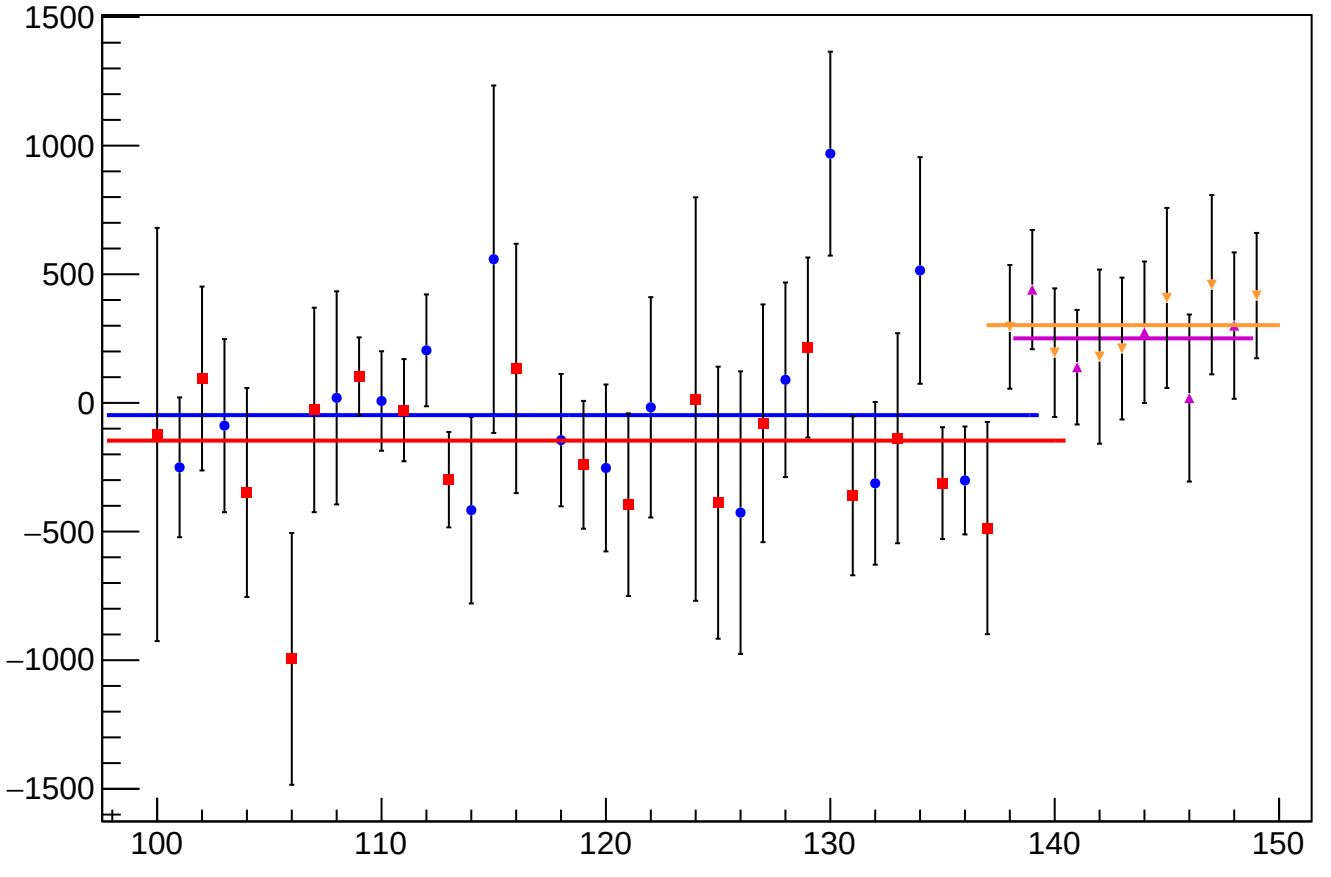
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.579+/-0.005 χ^2/NDF:17416.9/20

Out: 22.589+/-0.004 χ^2/NDF:16851.2/25

All: 22.584+/-0.003 χ^2/NDF: 34270.3/46

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 302.272+/-106.312 χ^2/NDF:0.9/6

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 250.863+/-116.343 χ^2/NDF:1.5/4

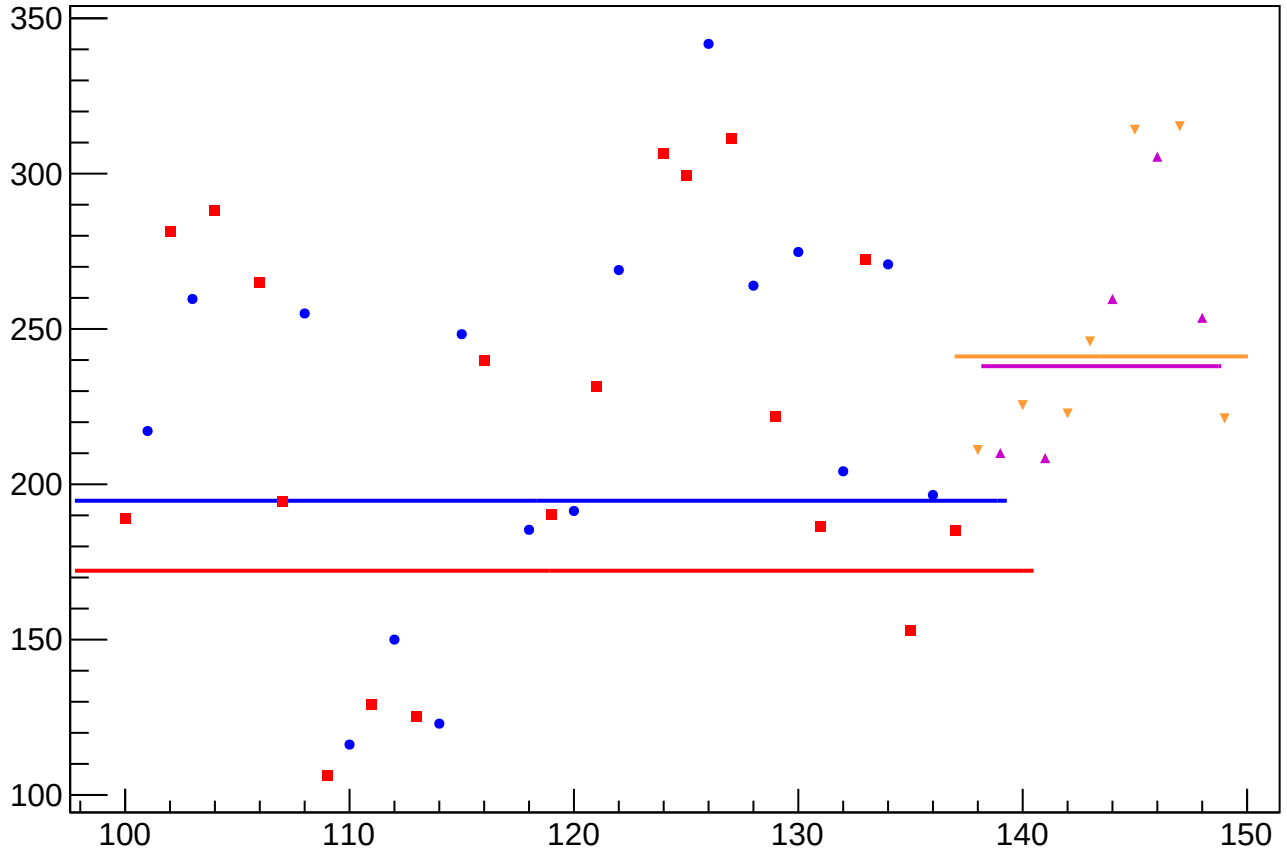
Left: 278.879+/-78.481 χ^2/NDF: 2.5/11

Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 42.661+/-63.961 χ^2/NDF:21.5/20

Out: -15.174+/-57.521 χ^2/NDF:25.1/25

All: 10.686+/-42.770 χ^2/NDF: 47.0/46



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 241.154+/-0.075 χ^2/NDF:236457.1/6

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

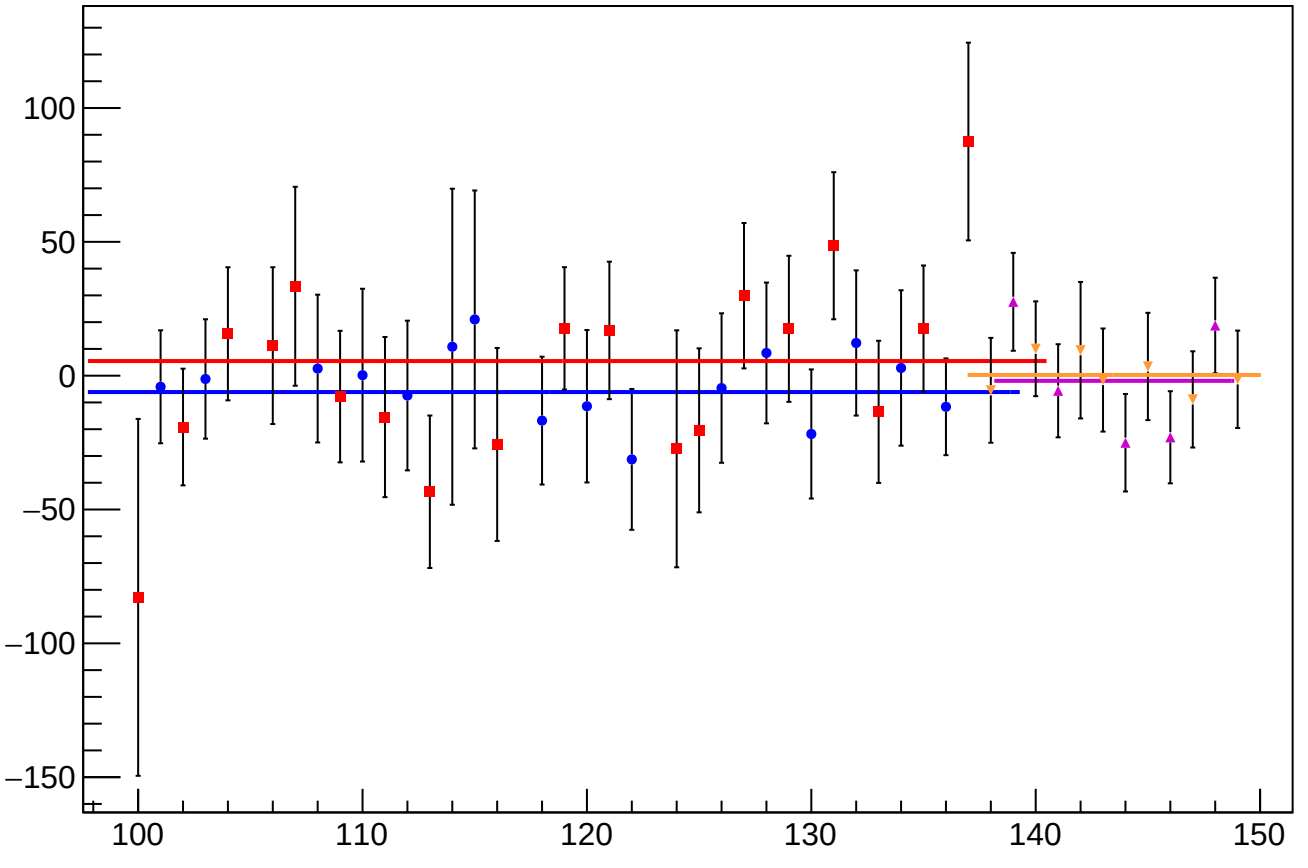
Left: 239.728+/-0.055 χ^2/NDF: 406344.4/11

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 207.799+/-0.045 χ^2/NDF:1414802.5/20

Out: 192.376+/-0.041 χ^2/NDF:2502821.0/25

All: 199.272+/-0.030 χ^2/NDF: 3981911.3/46



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 0.274+/-7.326 χ^2/NDF:0.8/6

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -1.928+/-7.949 χ^2/NDF:7.1/4

Left: -0.737+/-5.387 χ^2/NDF: 8.0/11

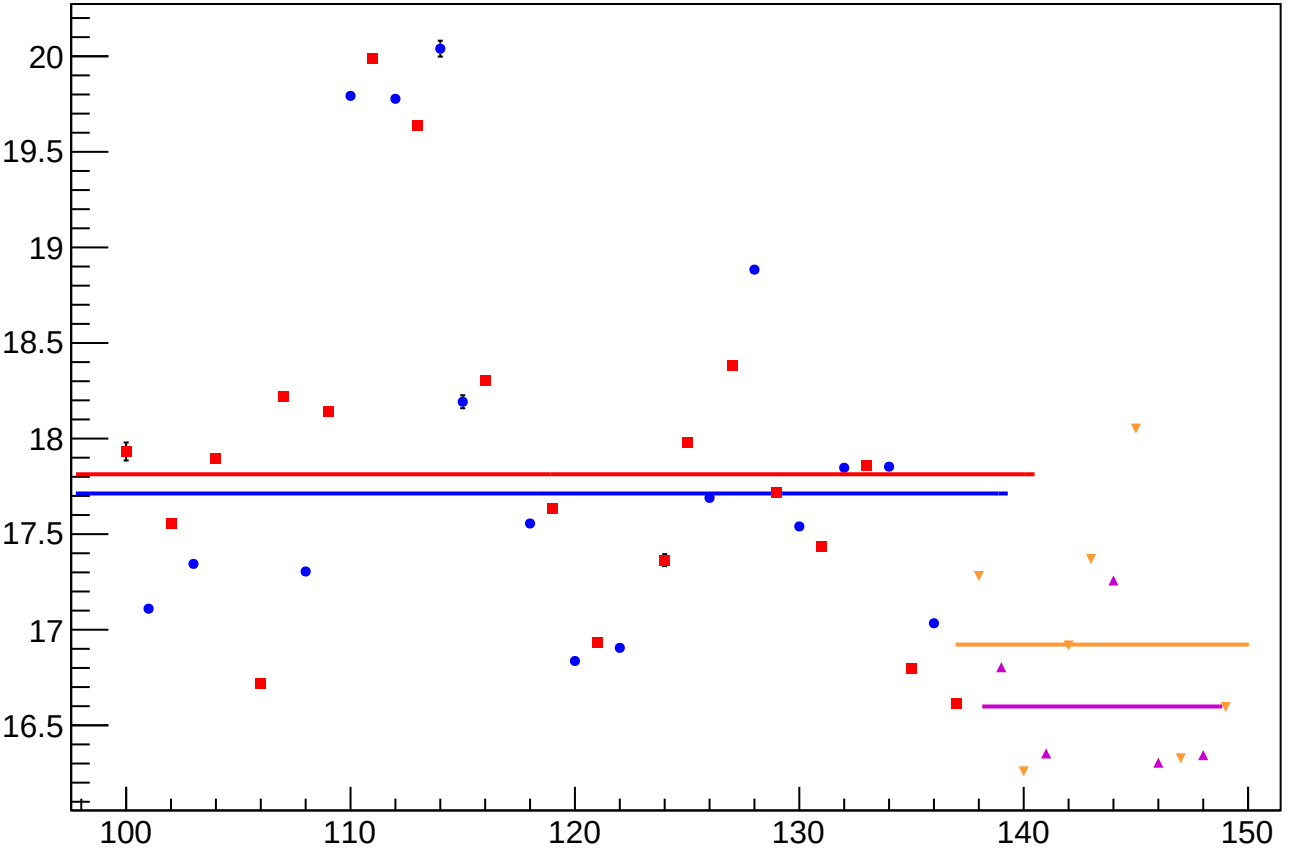
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -4.411+/-5.074 χ^2/NDF:10.4/20

Out: 3.178+/-4.866 χ^2/NDF:20.3/25

All: -0.458+/-3.512 χ^2/NDF: 31.9/46

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: 16.922+/-0.005 χ^2/NDF:13743.0/6

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

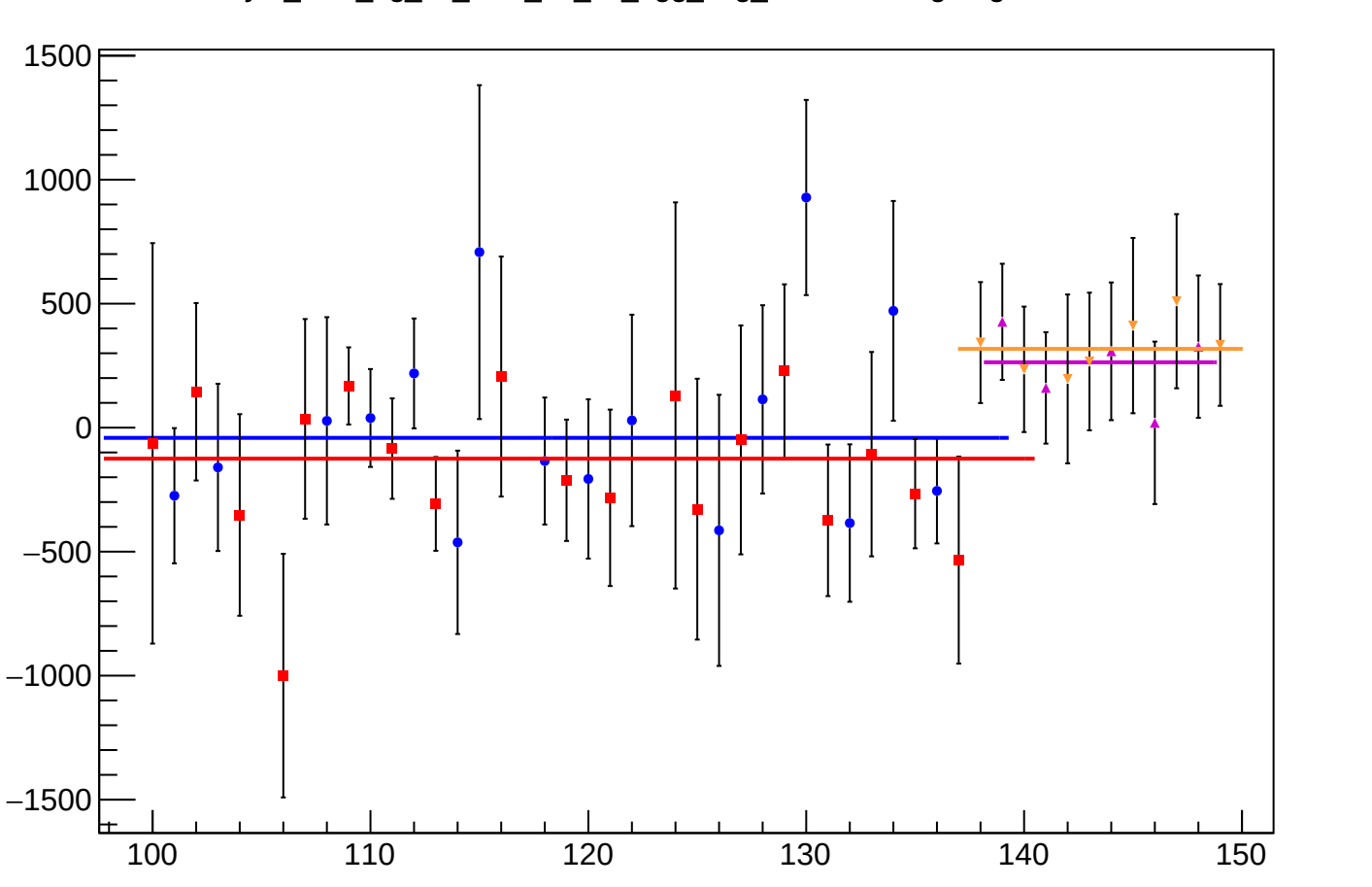
Left: 16.774+/-0.004 χ^2/NDF: 19800.5/11

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.259+/-0.004 χ^2/NDF:63527.6/20

Out: 17.420+/-0.003 χ^2/NDF:62986.7/25

All: 17.343+/-0.002 χ^2/NDF: 127571.4/46



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 317.733+/-107.357 χ^2/NDF:0.7/6

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: 293.087+/-79.247 χ^2/NDF: 2.1/11

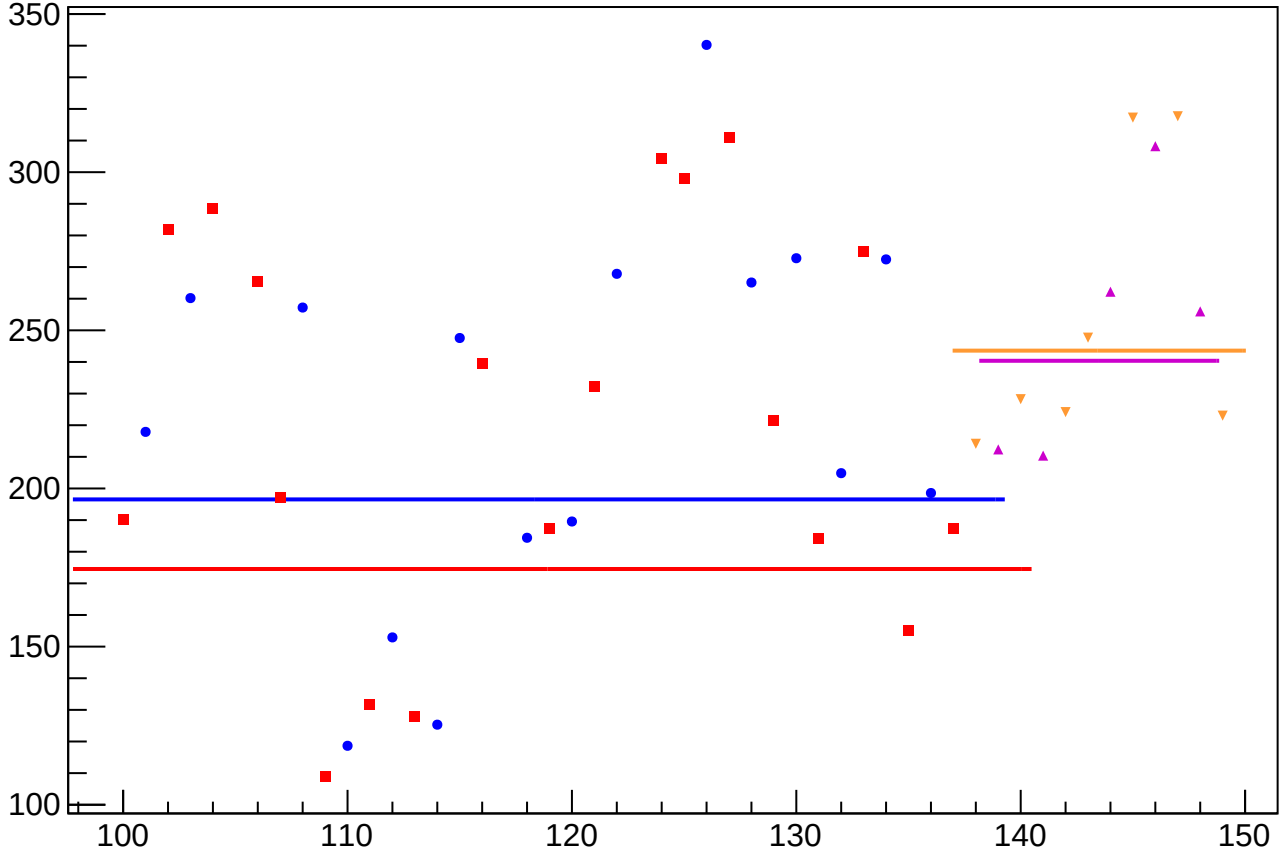
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 50.690+/-64.479 χ^2/NDF:21.6/20

Out: 4.801+/-58.110 χ^2/NDF:25.5/25

All: 25.368+/-43.166 χ^2/NDF: 47.5/46

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: 243.581+/-0.076 χ^2/NDF:233445.3/6

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: 242.120+/-0.056 χ^2/NDF: 402603.1/11

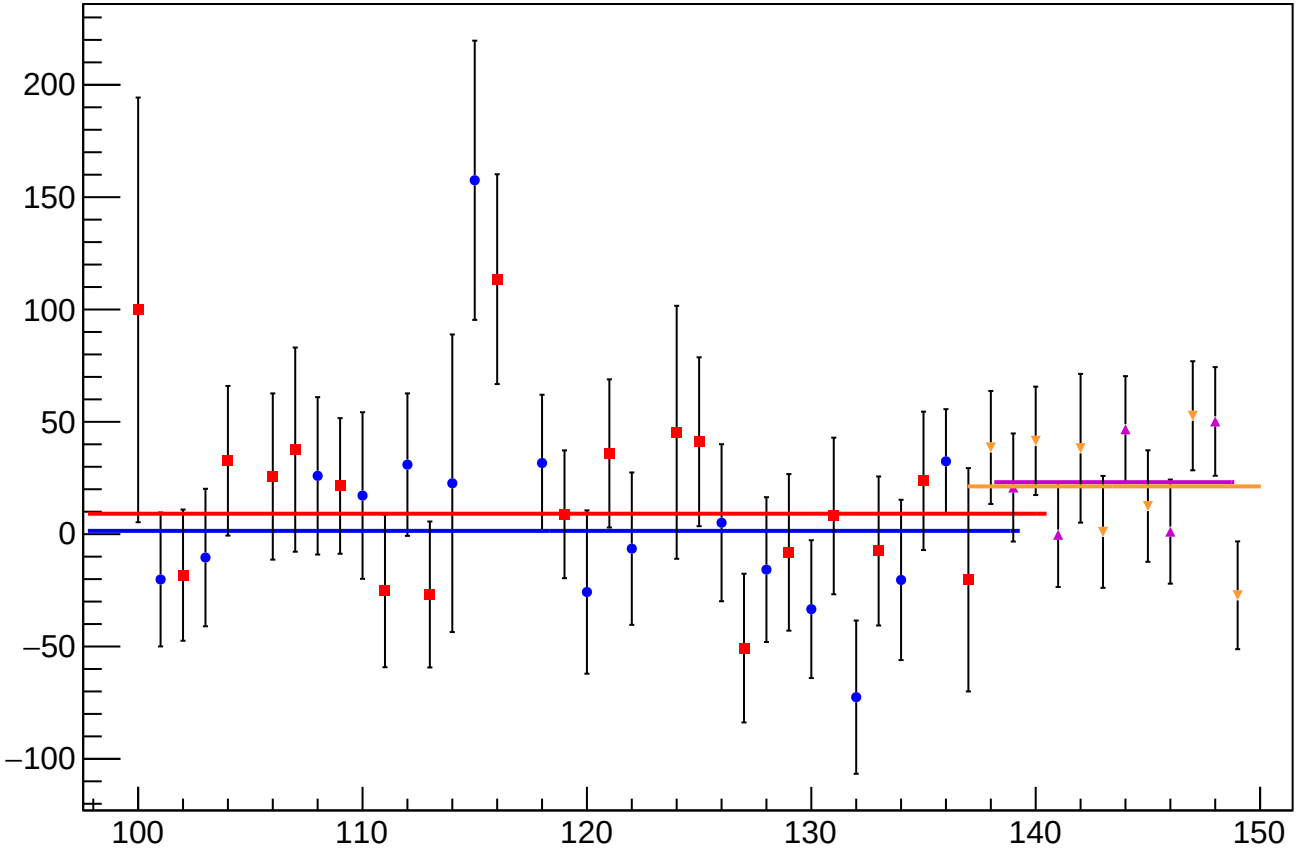
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 209.748+/-0.046 χ^2/NDF:1363647.5/20

Out: 194.767+/-0.041 χ^2/NDF:2406984.4/25

All: 201.481+/-0.031 χ^2/NDF: 3830201.7/46

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.272+/-9.586 χ^2/NDF:8.0/6

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: 22.116+/-7.103 χ^2/NDF: 12.2/11

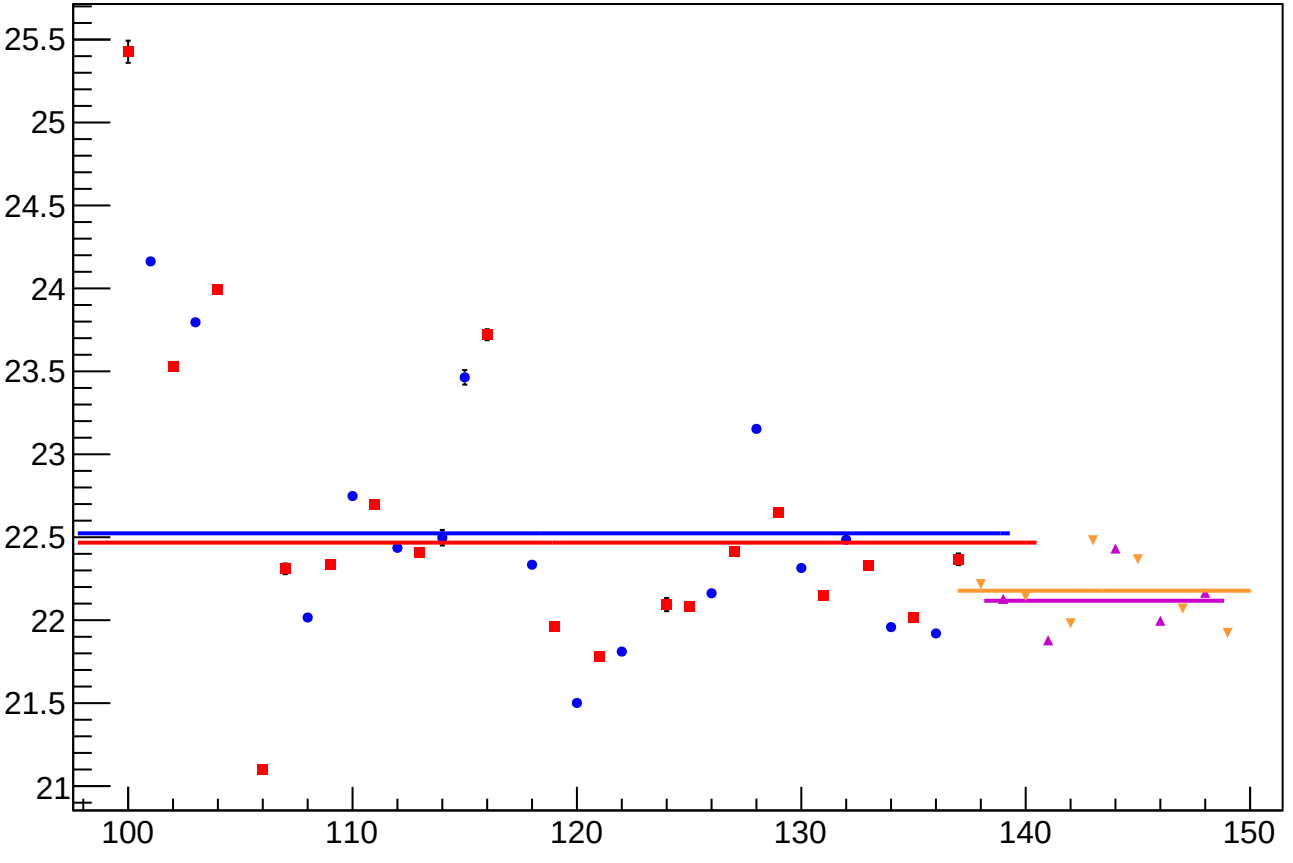
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 9.819+/-6.564 χ^2/NDF:25.4/20

Out: 14.249+/-6.230 χ^2/NDF:25.4/25

All: 12.149+/-4.519 χ^2/NDF: 51.0/46

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: 22.178+/-0.007 χ^2/NDF:757.4/6

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

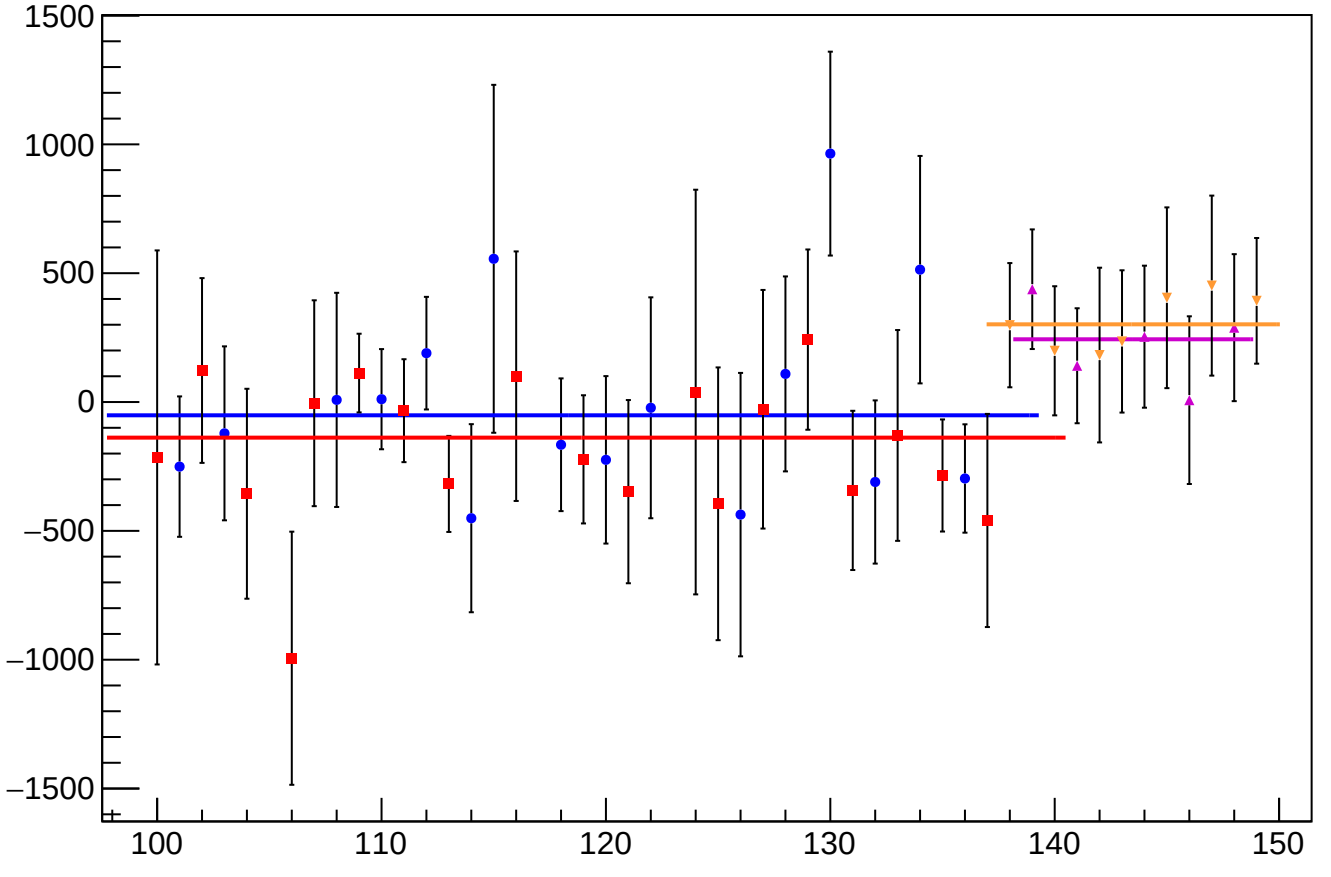
Left: 22.150+/-0.005 χ^2/NDF: 1419.6/11

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.367+/-0.005 χ^2/NDF:18389.0/20

Out: 22.345+/-0.004 χ^2/NDF:17440.4/25

All: 22.356+/-0.003 χ^2/NDF: 35841.3/46



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 301.565+/-106.540 χ^2/NDF:0.8/6

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: 275.143+/-78.653 χ^2/NDF: 2.4/11

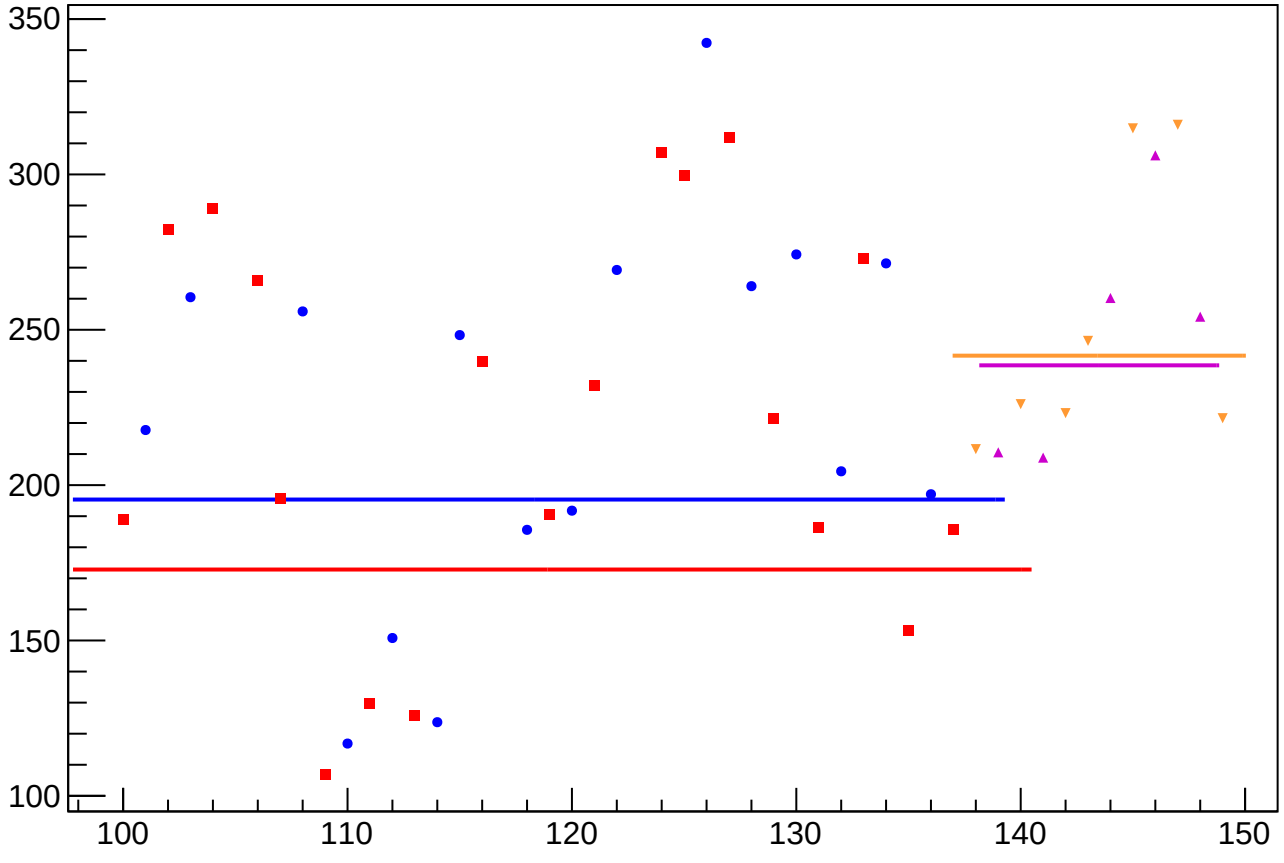
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 37.754+/-64.137 χ^2/NDF:21.3/20

Out: -9.236+/-57.692 χ^2/NDF:24.4/25

All: 11.781+/-42.893 χ^2/NDF: 46.0/46

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: 241.670+/-0.075 χ^2/NDF:236615.2/6

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: 240.253+/-0.056 χ^2/NDF: 406601.8/11

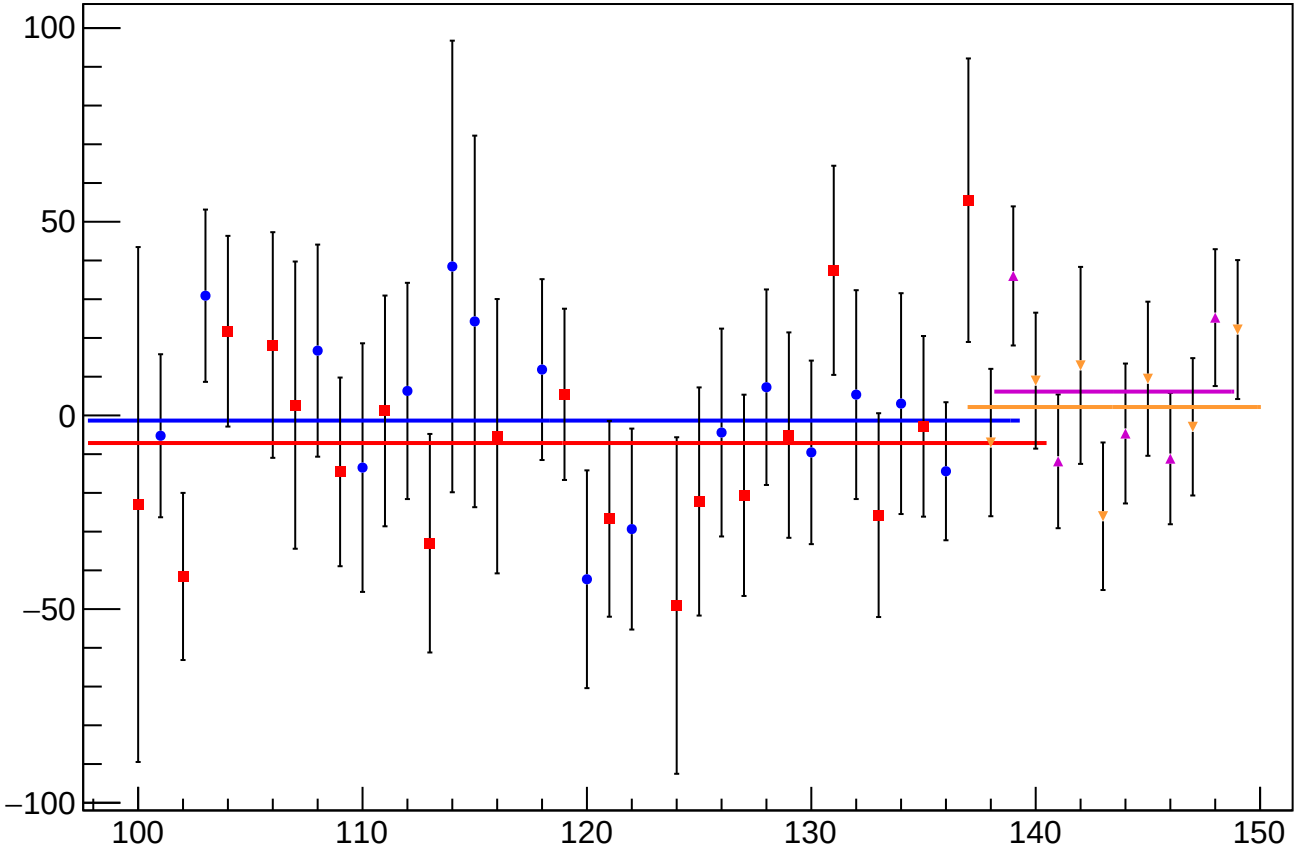
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 208.429+/-0.045 χ^2/NDF:1402056.3/20

Out: 193.021+/-0.041 χ^2/NDF:2486079.5/25

All: 199.912+/-0.030 χ^2/NDF: 3951938.8/46

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: 2.169+/-7.230 χ^2/NDF:4.2/6

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: 3.995+/-5.320 χ^2/NDF: 10.8/11

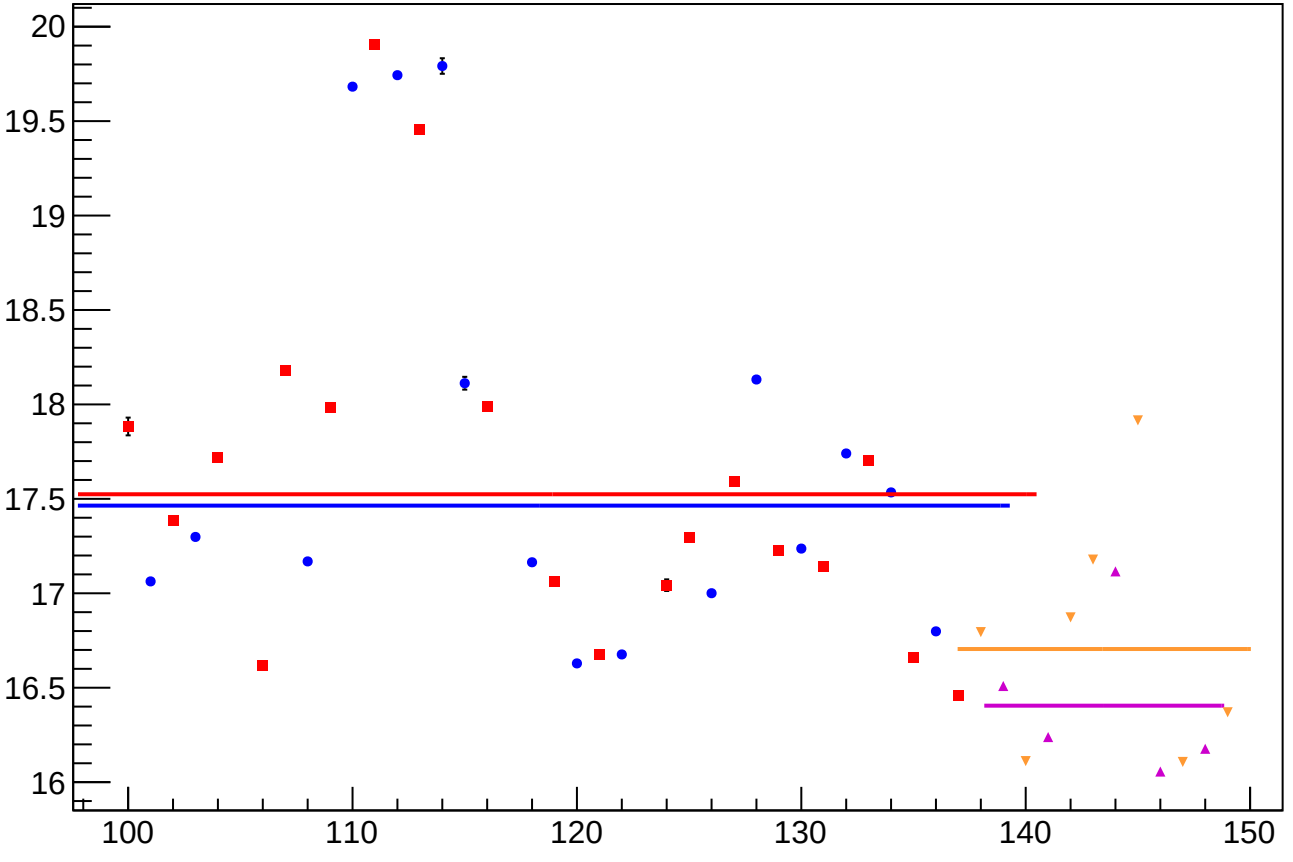
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.709+/-5.007 χ^2/NDF:15.0/20

Out: -3.041+/-4.793 χ^2/NDF:19.6/25

All: -0.770+/-3.462 χ^2/NDF: 35.0/46

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: 16.705+/-0.005 χ^2/NDF:14032.3/6

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: 16.567+/-0.004 χ^2/NDF: 20144.7/11

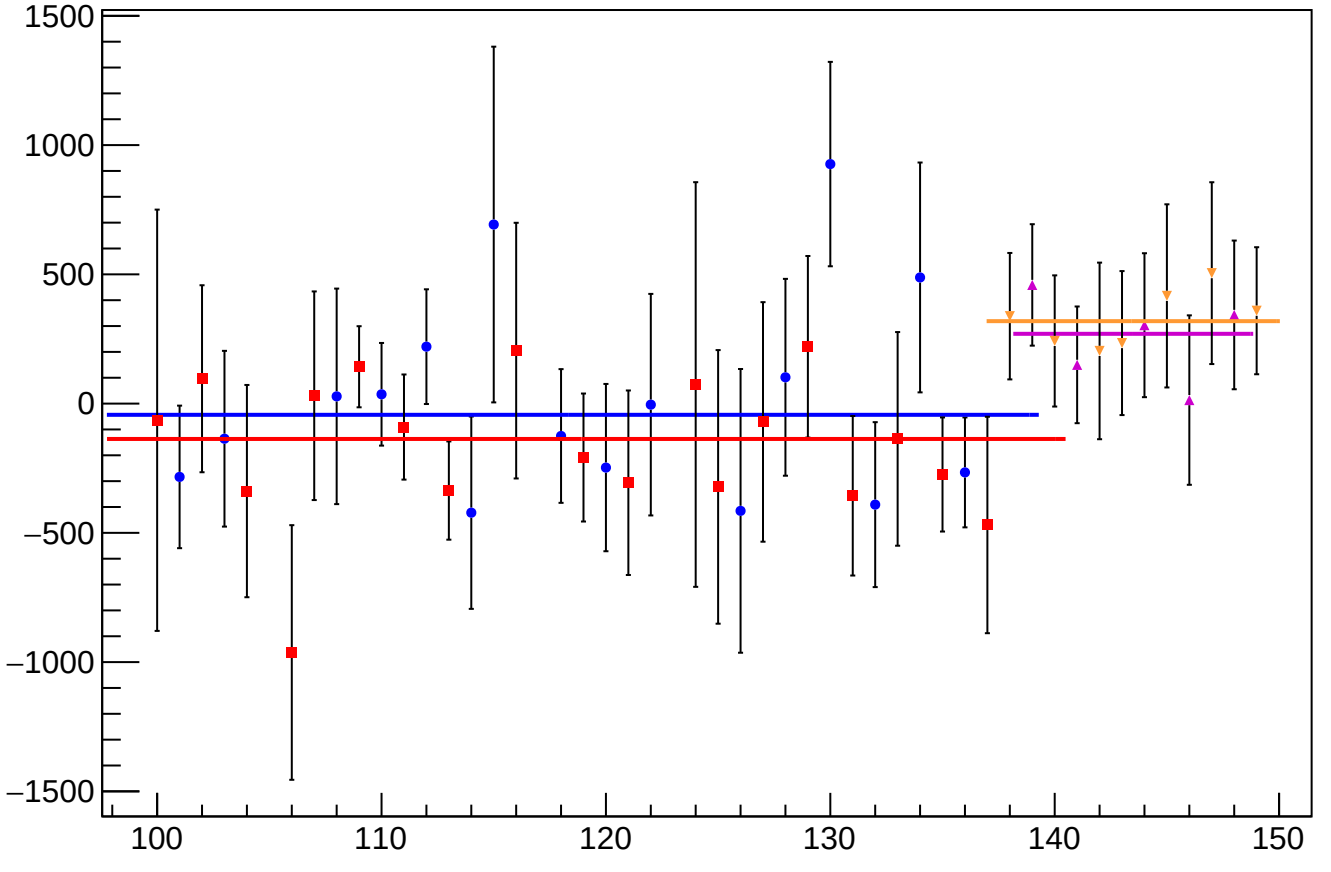
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.034+/-0.004 χ^2/NDF:62774.6/20

Out: 17.164+/-0.003 χ^2/NDF:63157.9/25

All: 17.102+/-0.002 χ^2/NDF: 126640.8/46

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 318.934+/-107.626 χ^2/NDF:0.7/6

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: 296.650+/-79.460 χ^2/NDF: 2.4/11

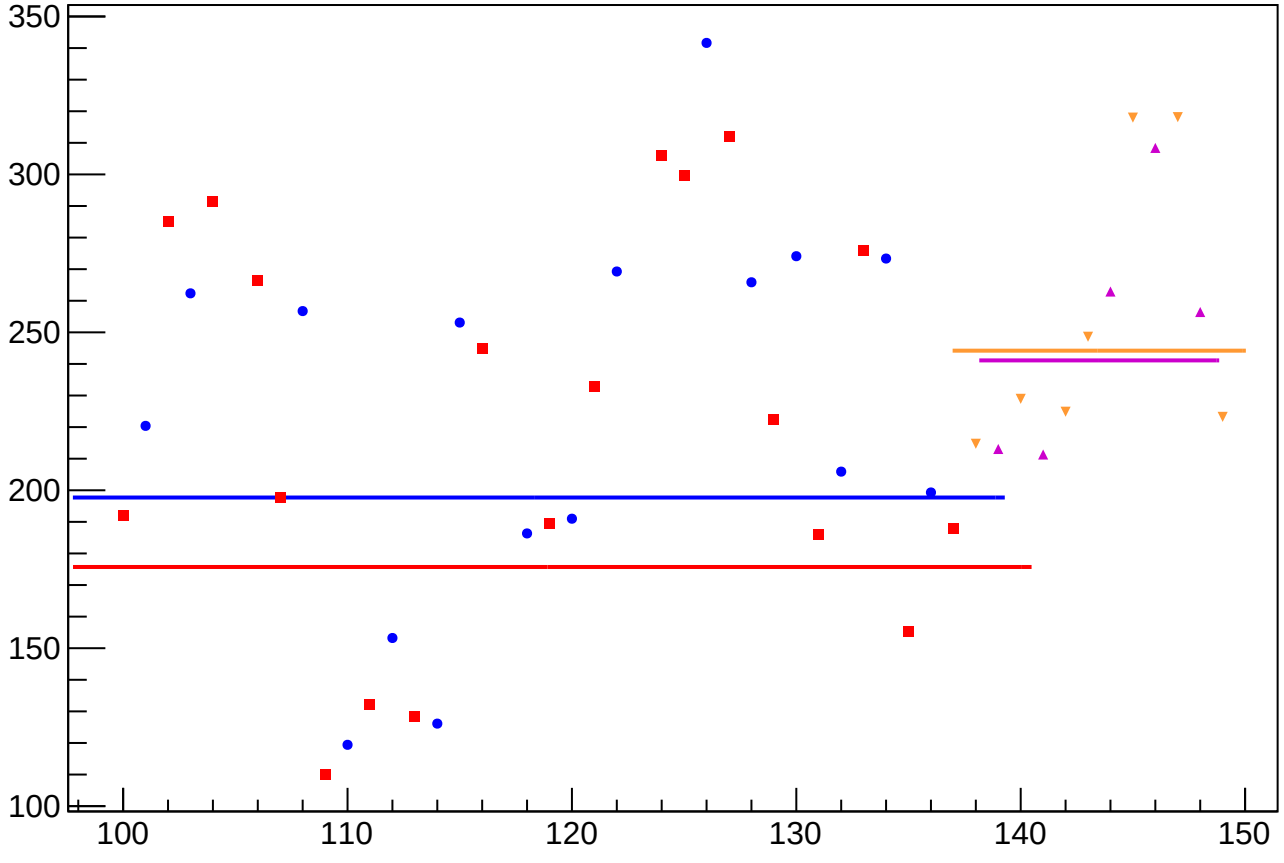
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 51.401+/-64.795 χ^2/NDF:22.0/20

Out: -2.515+/-58.418 χ^2/NDF:24.9/25

All: 21.660+/-43.388 χ^2/NDF: 47.3/46

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 244.201+/-0.076 χ^2/NDF:232874.6/6

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: 242.798+/-0.056 χ^2/NDF: 399173.3/11

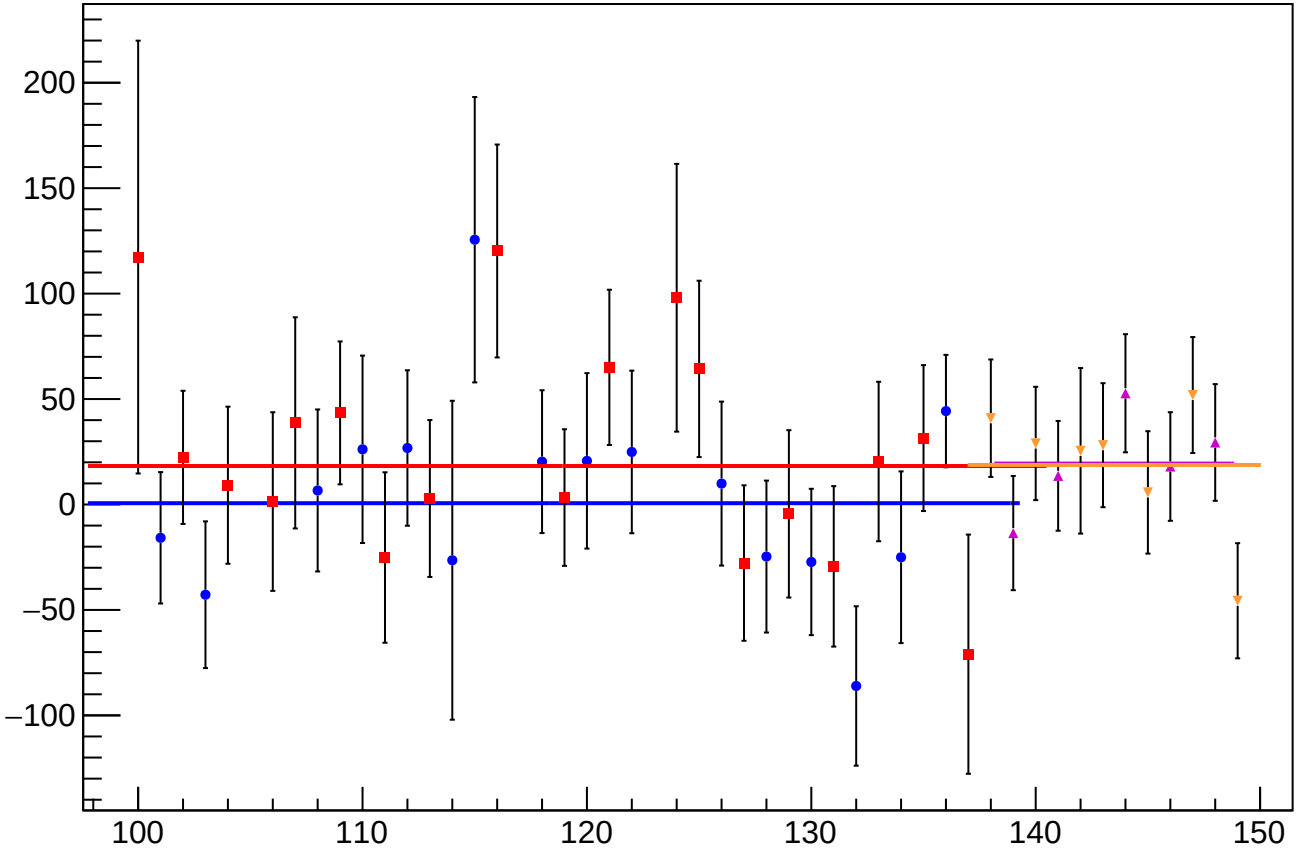
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 210.839+/-0.046 χ^2/NDF:1355289.6/20

Out: 195.893+/-0.041 χ^2/NDF:2394661.7/25

All: 202.595+/-0.031 χ^2/NDF: 3808653.1/46

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: 18.744+/-10.954 χ^2/NDF:8.1/6

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 19.404+/-12.014 χ^2/NDF:3.1/4

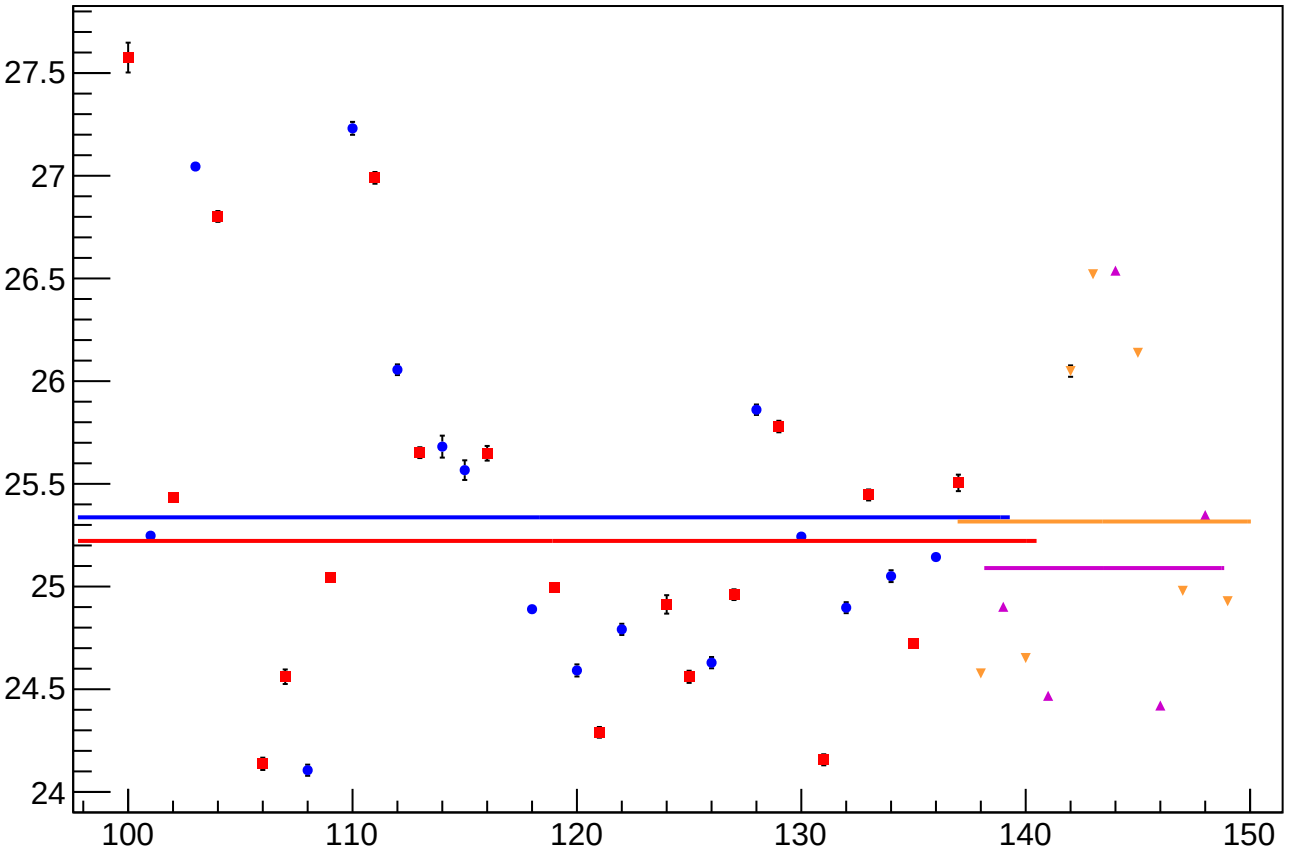
Left: 19.044+/-8.095 χ^2/NDF: 11.2/11

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 7.772+/-7.414 χ^2/NDF:21.3/20

Out: 18.453+/-7.049 χ^2/NDF:26.1/25

All: 13.382+/-5.108 χ^2/NDF: 48.5/46



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.317+/-0.008 χ^2/NDF:8992.4/6

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

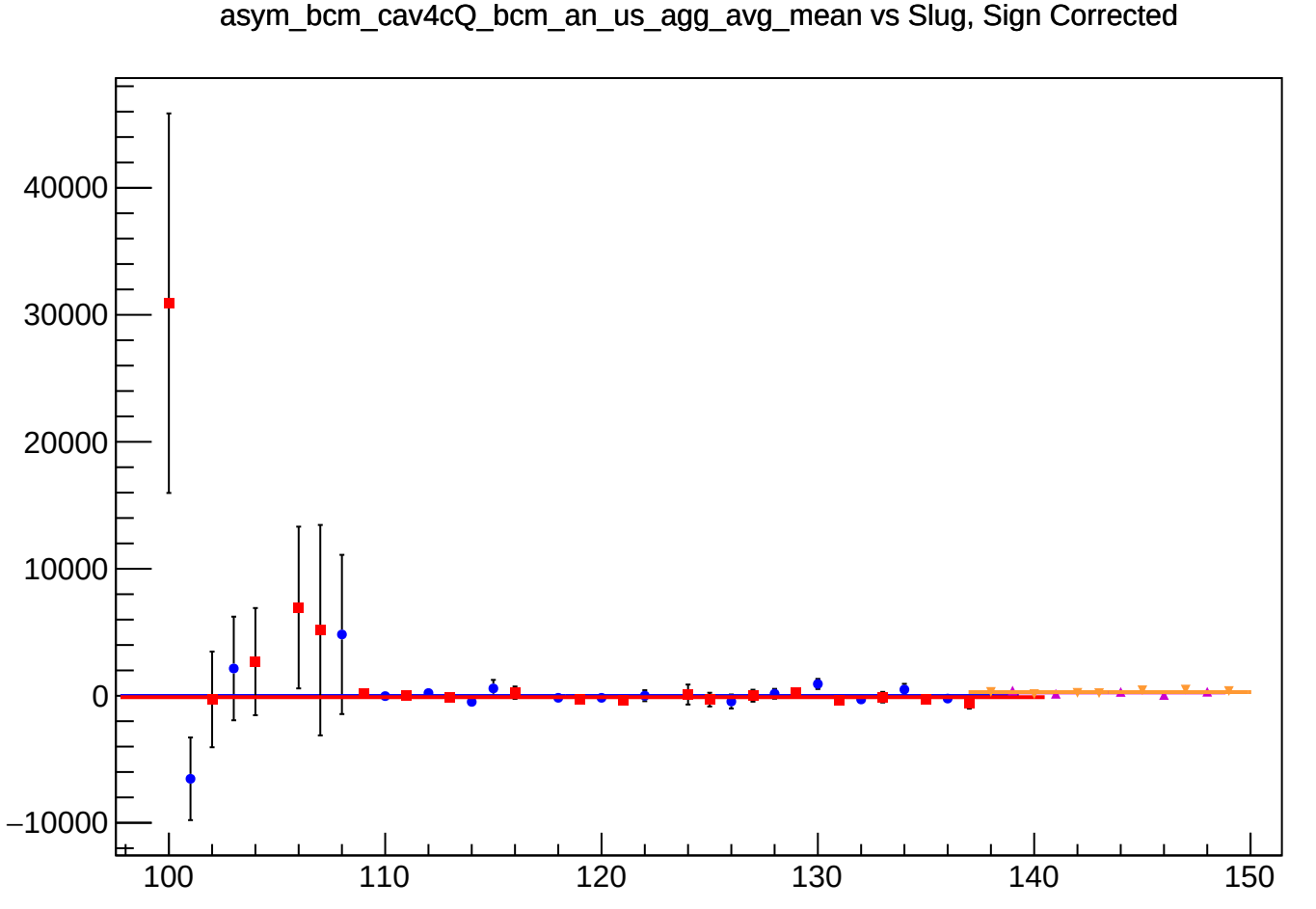
Left: 25.214+/-0.006 χ^2/NDF: 17490.1/11

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.243+/-0.005 χ^2/NDF:22947.6/20

Out: 25.261+/-0.005 χ^2/NDF:24304.1/25

All: 25.253+/-0.004 χ^2/NDF: 47258.1/46



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 291.971+/-109.082 χ^2/NDF:1.1/6

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: 279.804+/-80.114 χ^2/NDF: 2.2/11

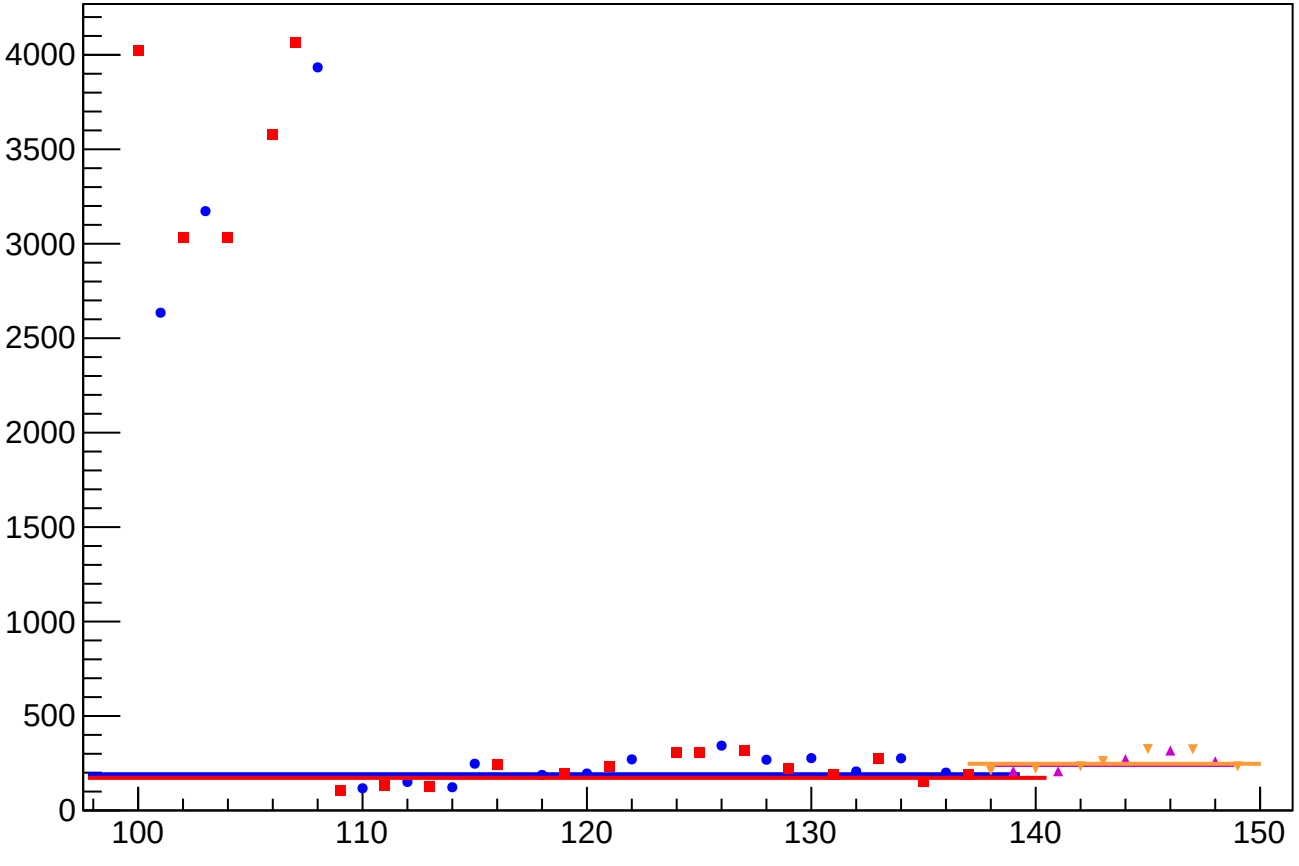
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 80.056+/-68.818 χ^2/NDF:23.1/20

Out: 26.999+/-63.501 χ^2/NDF:24.1/25

All: 51.399+/-46.669 χ^2/NDF: 47.5/46

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: 247.126+/-0.077 χ^2/NDF:262129.8/6

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: 244.211+/-0.057 χ^2/NDF: 482779.5/11

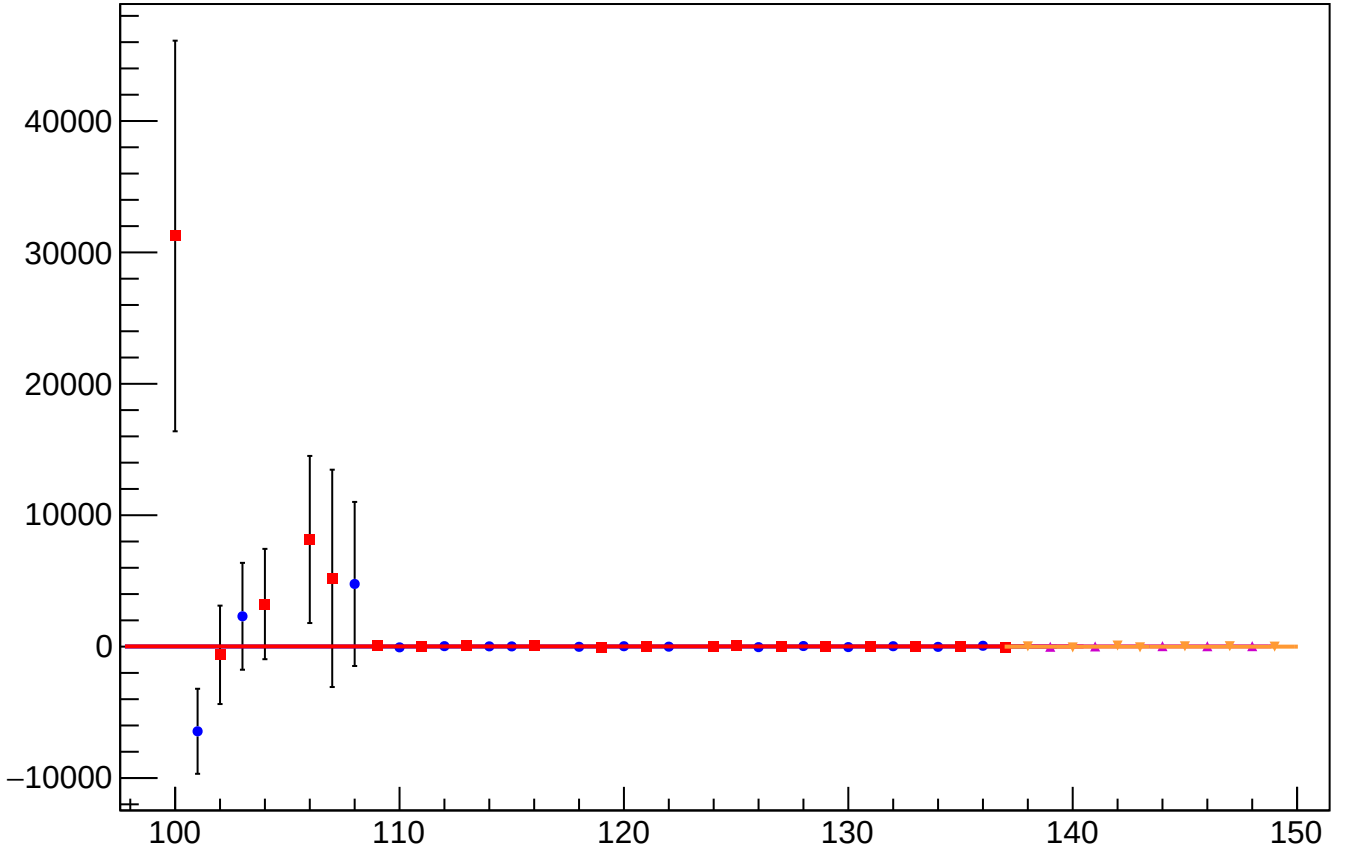
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 208.411+/-0.049 χ^2/NDF:4267422.4/20

Out: 197.765+/-0.045 χ^2/NDF:5184728.4/25

All: 202.661+/-0.033 χ^2/NDF: 9478000.3/46

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -0.234+/-12.836 χ^2/NDF:11.0/6

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: 10.274+/-9.419 χ^2/NDF: 14.2/11

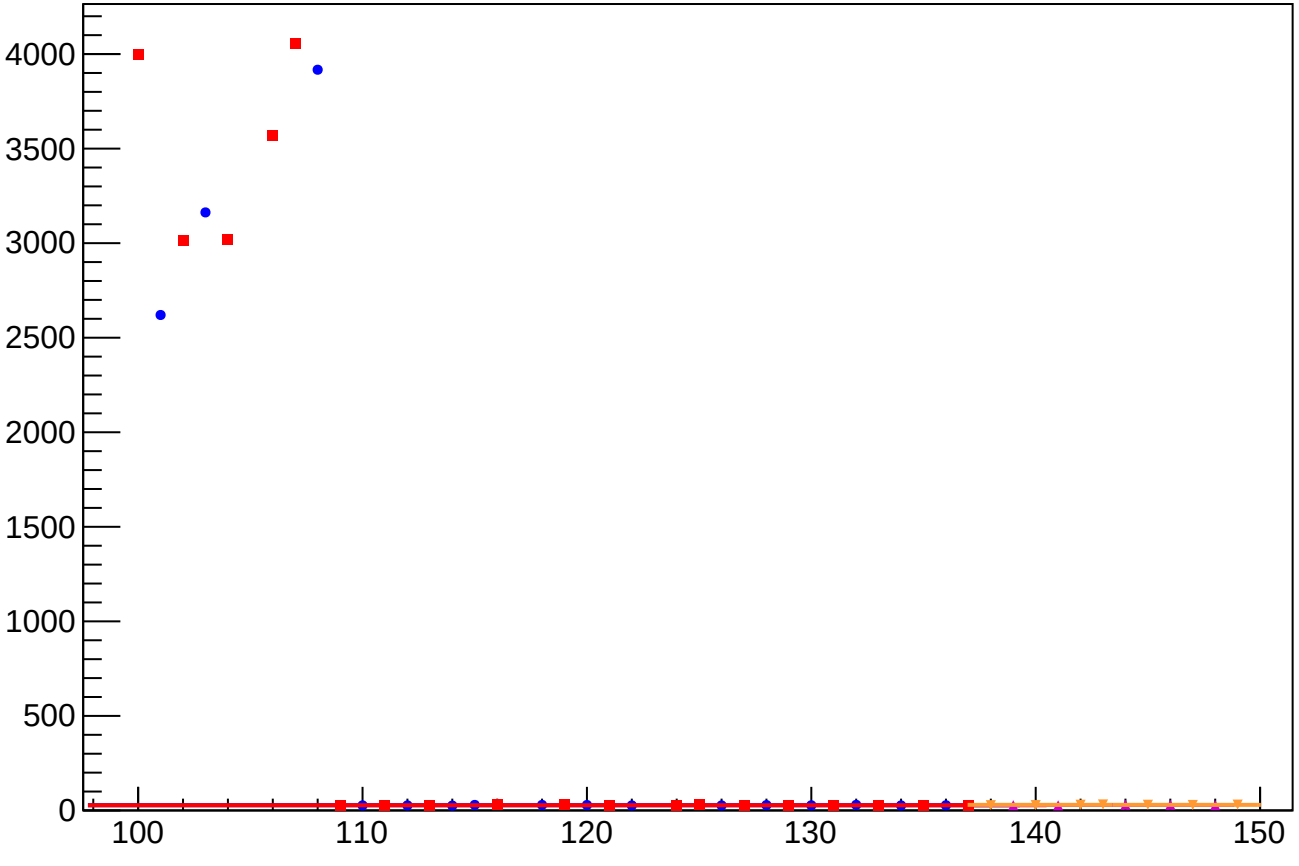
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 14.957+/-8.935 χ^2/NDF:18.2/20

Out: 9.702+/-8.689 χ^2/NDF:36.9/25

All: 12.256+/-6.229 χ^2/NDF: 55.3/46

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: 29.568+/-0.009 χ^2/NDF:21598.4/6

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: 29.263+/-0.007 χ^2/NDF: 47573.4/11

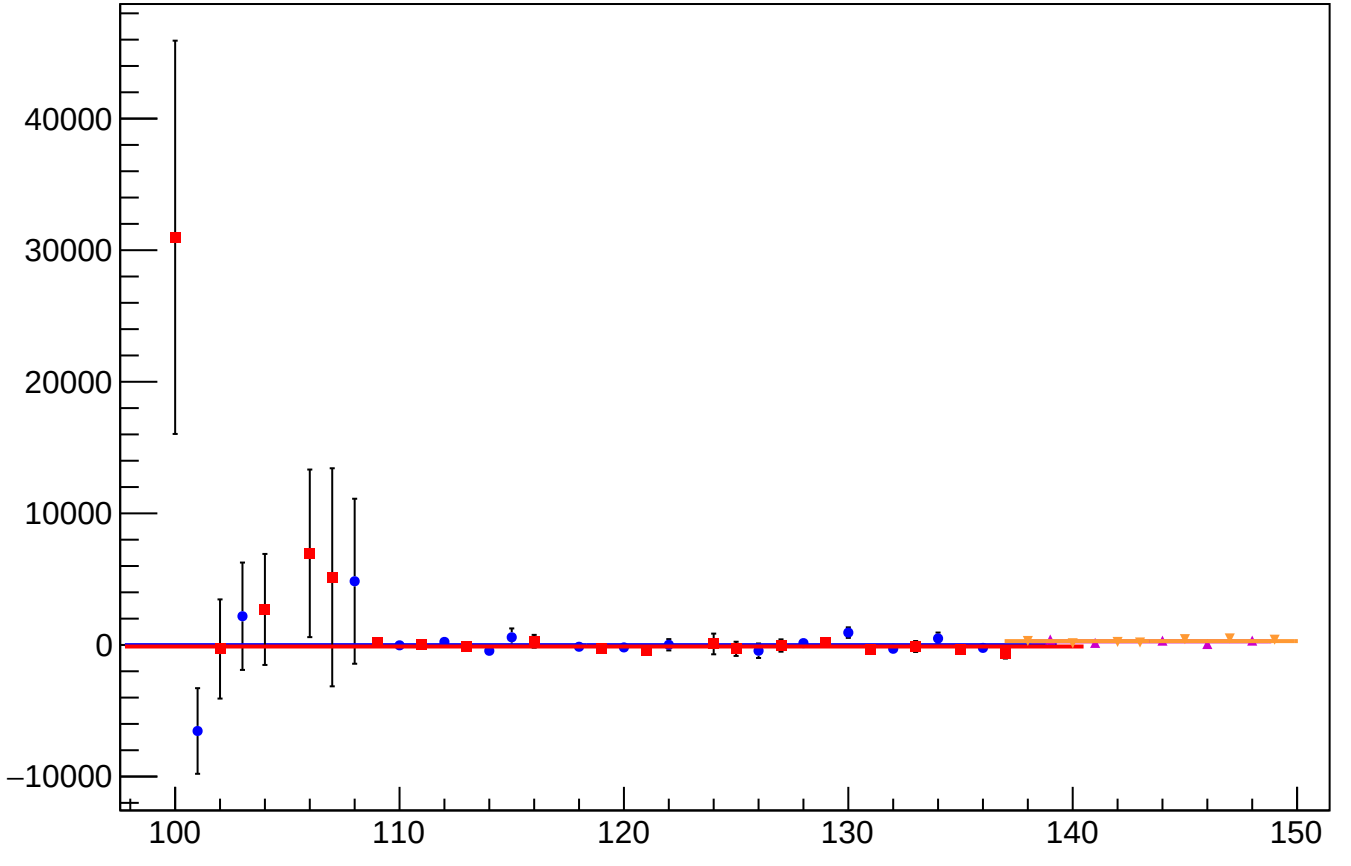
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.167+/-0.006 χ^2/NDF:3298761.1/20

Out: 28.466+/-0.006 χ^2/NDF:3604011.0/25

All: 28.321+/-0.004 χ^2/NDF: 6903924.8/46

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: 292.663+/-108.851 χ^2/NDF:1.3/6

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: 283.477+/-79.941 χ^2/NDF: 2.4/11

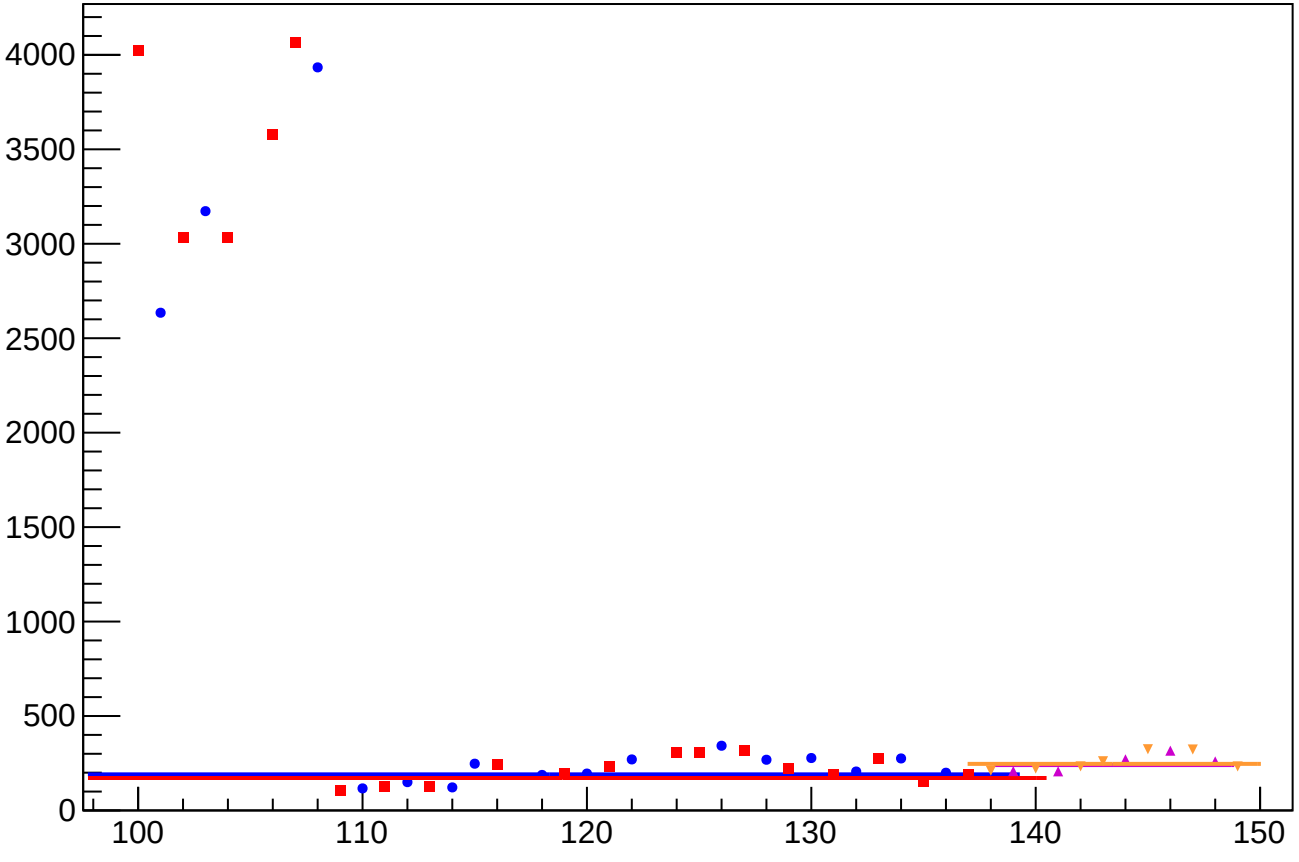
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 83.910+/-68.634 χ^2/NDF:23.3/20

Out: 20.959+/-63.329 χ^2/NDF:25.1/25

All: 49.908+/-46.543 χ^2/NDF: 48.9/46

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: 246.599+/-0.077 χ^2/NDF:262345.8/6

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: 243.683+/-0.057 χ^2/NDF: 482986.9/11

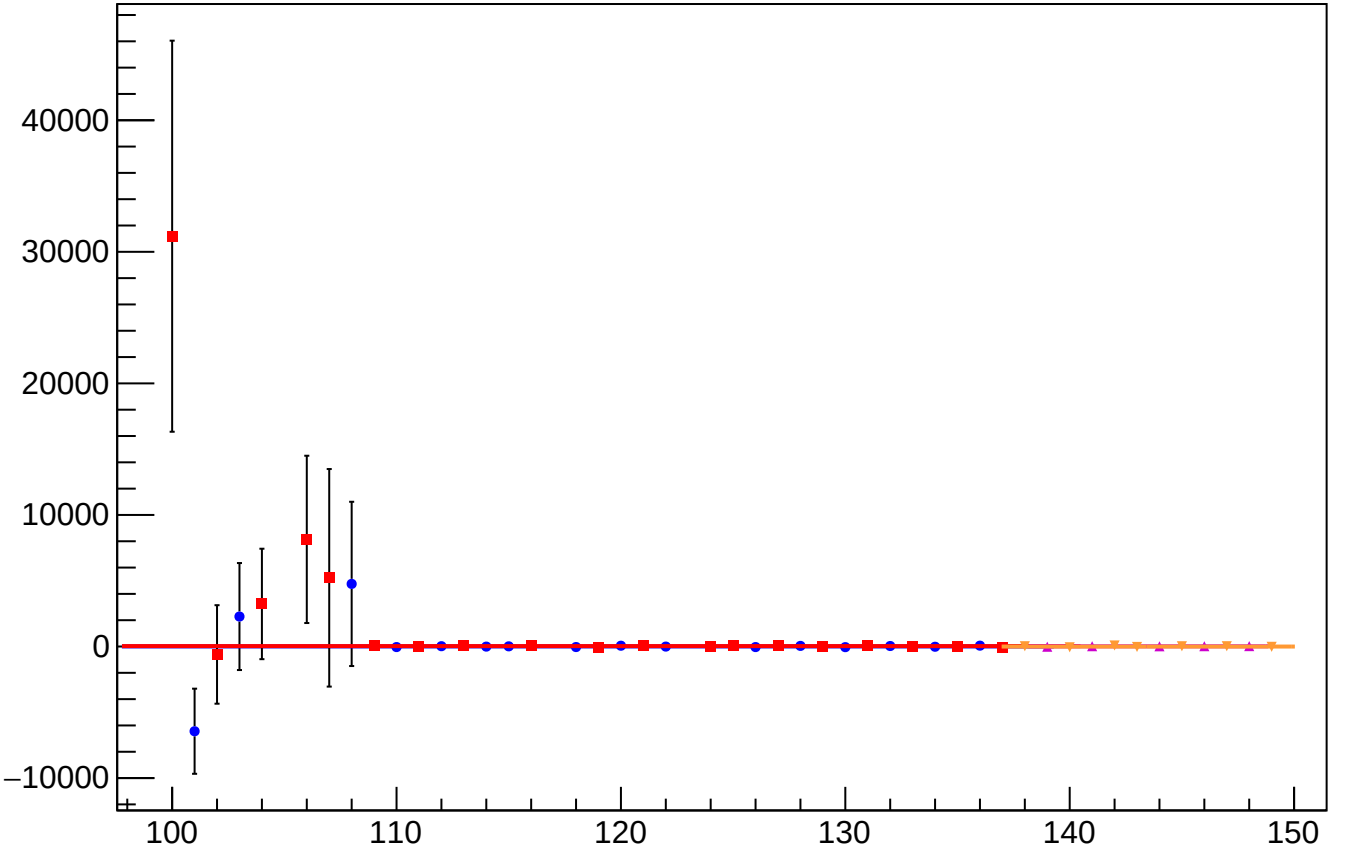
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 207.775+/-0.049 χ^2/NDF:4281931.7/20

Out: 197.141+/-0.045 χ^2/NDF:5201225.3/25

All: 202.031+/-0.033 χ^2/NDF: 9509088.3/46

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: -2.719+/-12.927 χ^2/NDF:9.0/6

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: 5.978+/-9.482 χ^2/NDF: 11.4/11

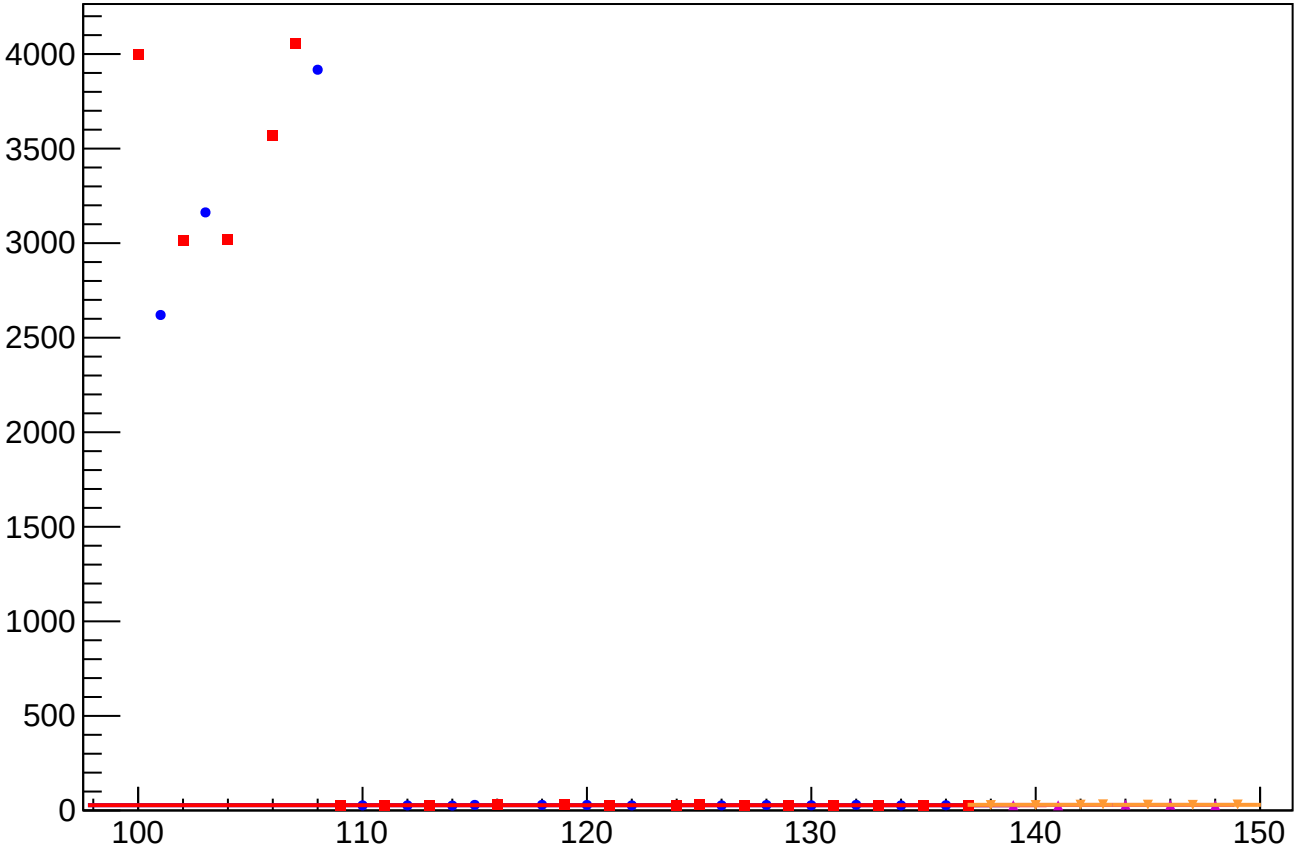
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.487+/-8.993 χ^2/NDF:20.0/20

Out: 15.510+/-8.756 χ^2/NDF:32.6/25

All: 13.065+/-6.273 χ^2/NDF: 52.7/46

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: 29.773+/-0.009 χ^2/NDF:22212.7/6

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

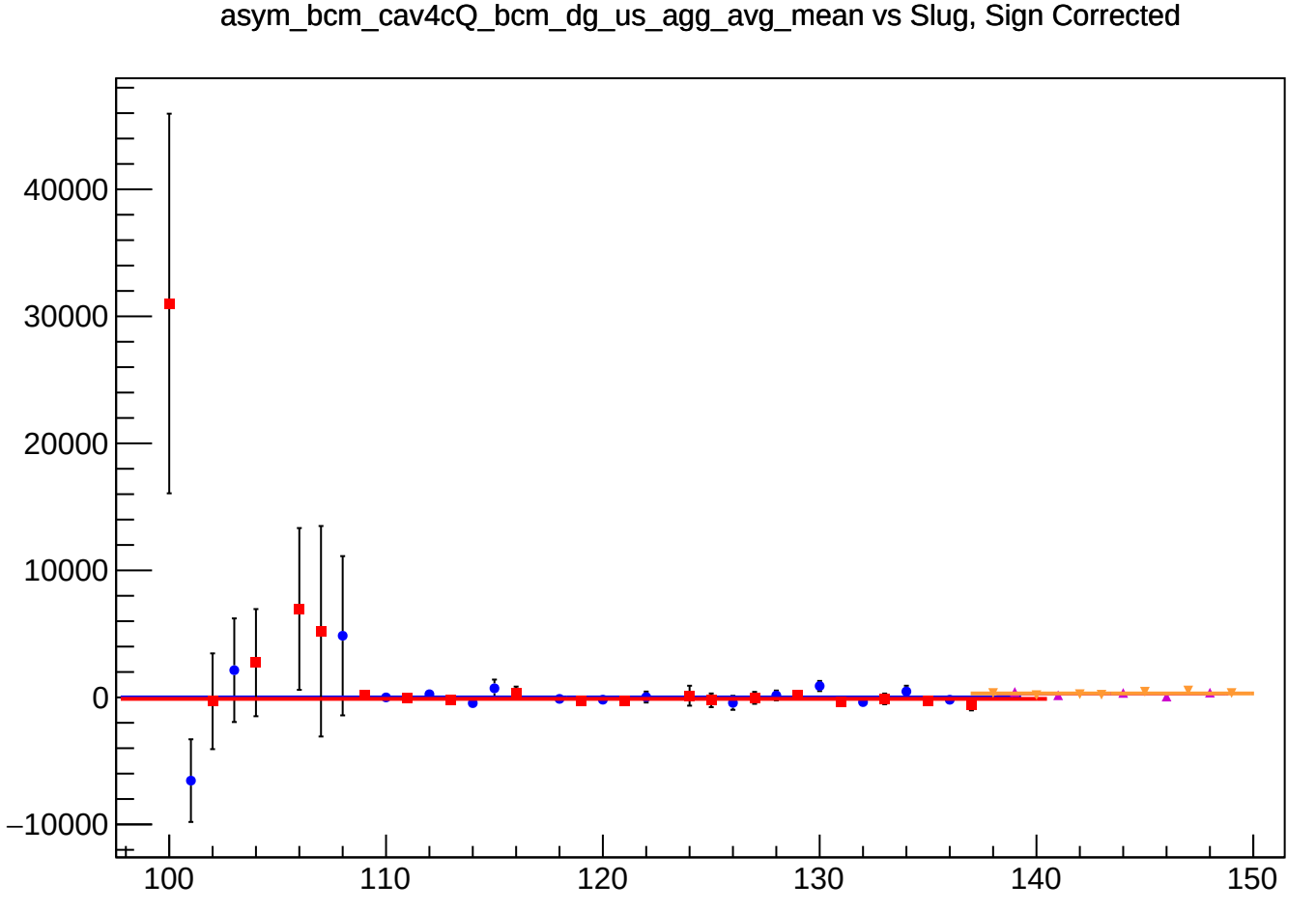
Left: 29.453+/-0.007 χ^2/NDF: 50591.7/11

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.346+/-0.006 χ^2/NDF:3301069.7/20

Out: 28.680+/-0.006 χ^2/NDF:3607310.5/25

All: 28.518+/-0.004 χ^2/NDF: 6909794.4/46



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 310.306+/-110.168 χ^2/NDF:1.0/6

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: 301.539+/-80.916 χ^2/NDF: 2.3/11

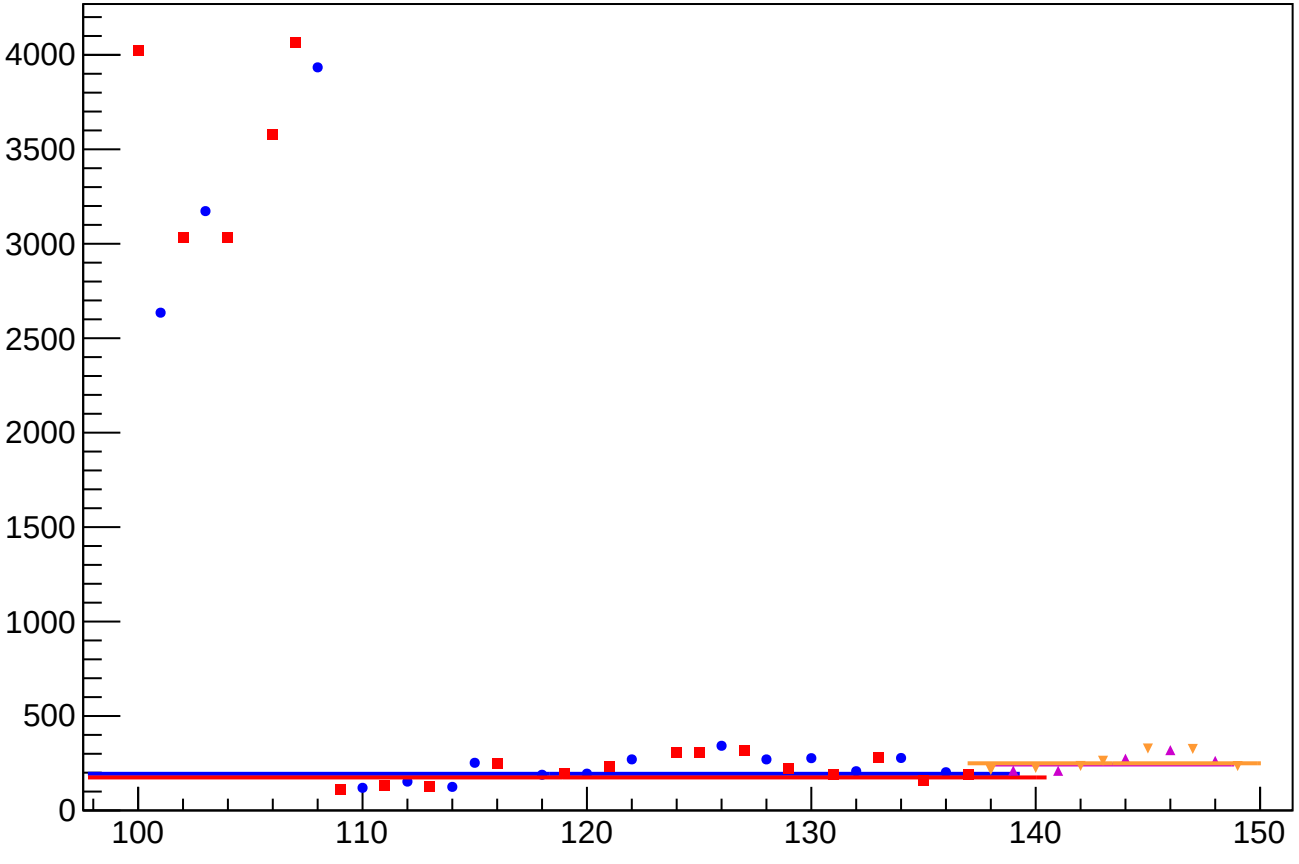
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 97.078+/-69.486 χ^2/NDF:23.5/20

Out: 28.817+/-64.174 χ^2/NDF:24.7/25

All: 60.239+/-47.144 χ^2/NDF: 48.7/46

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: 249.670+/-0.078 χ^2/NDF:256957.4/6

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: 246.749+/-0.057 χ^2/NDF: 473297.6/11

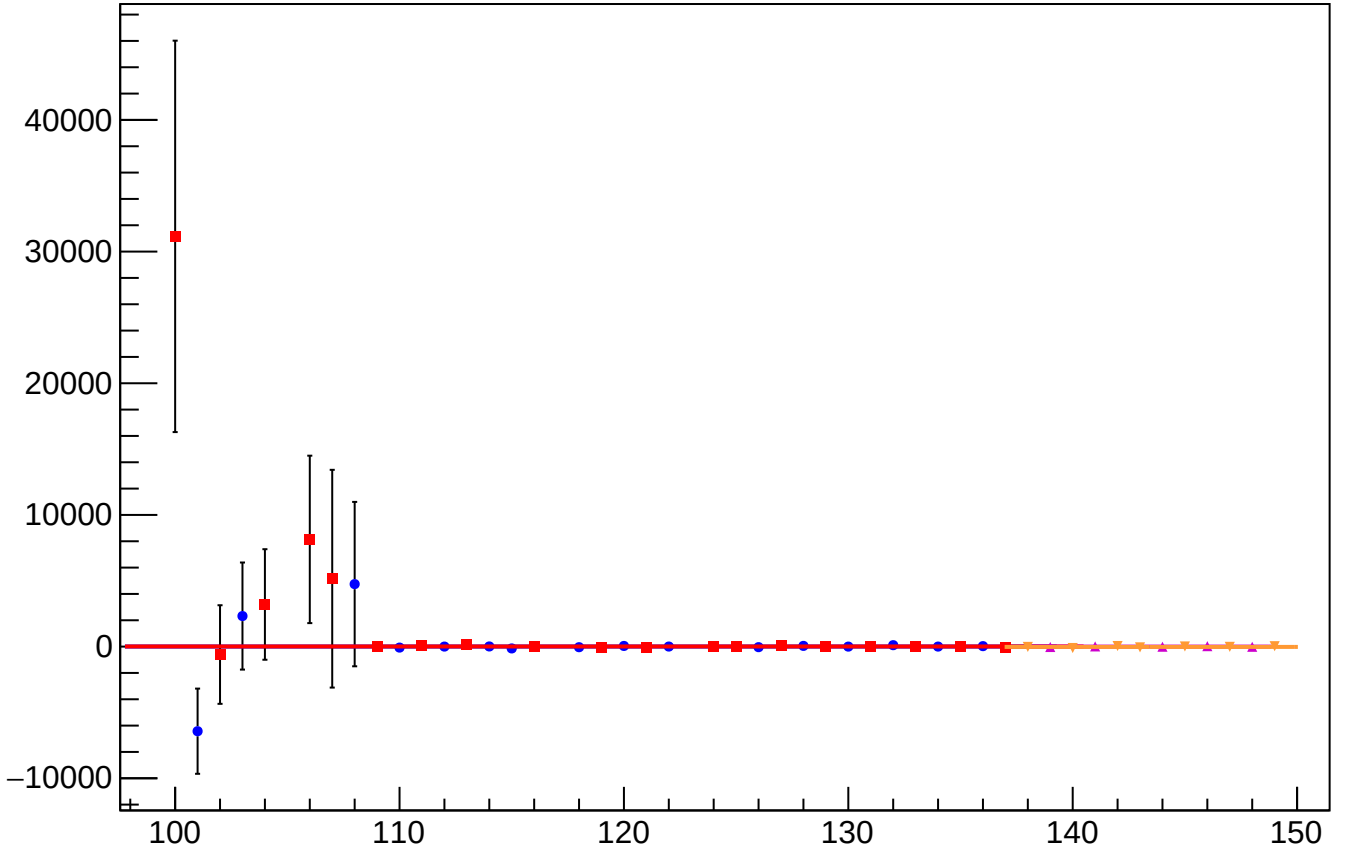
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 210.718+/-0.049 χ^2/NDF:4224307.0/20

Out: 200.191+/-0.045 χ^2/NDF:5126883.3/25

All: 205.037+/-0.033 χ^2/NDF: 9375962.5/46

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: -23.530+/-15.233 χ^2/NDF:9.7/6

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: -12.725+/-11.215 χ^2/NDF: 12.6/11

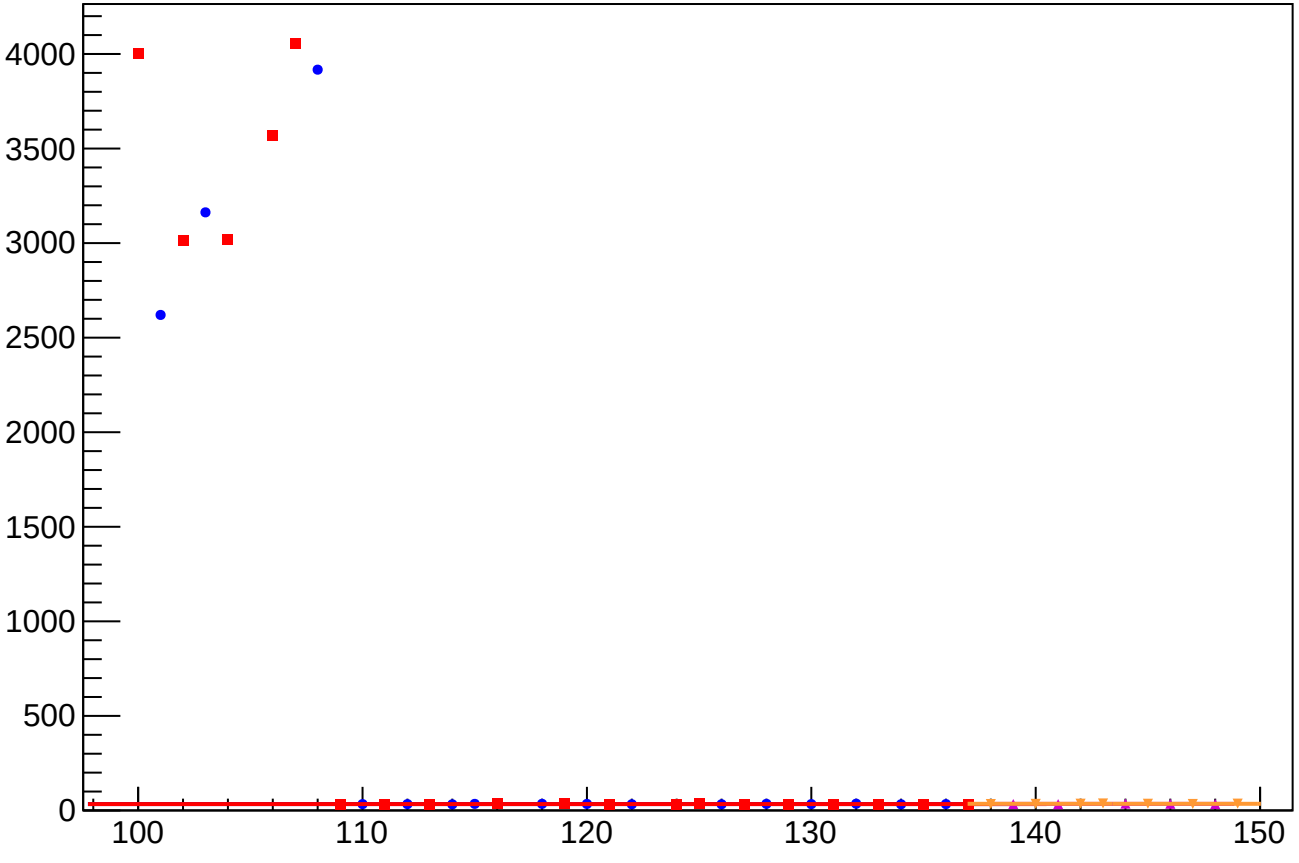
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 3.270+/-10.829 χ^2/NDF:19.3/20

Out: -5.860+/-10.477 χ^2/NDF:35.7/25

All: -1.446+/-7.530 χ^2/NDF: 55.4/46

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: 35.161+/-0.011 χ^2/NDF:8334.0/6

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: 34.908+/-0.008 χ^2/NDF: 17034.8/11

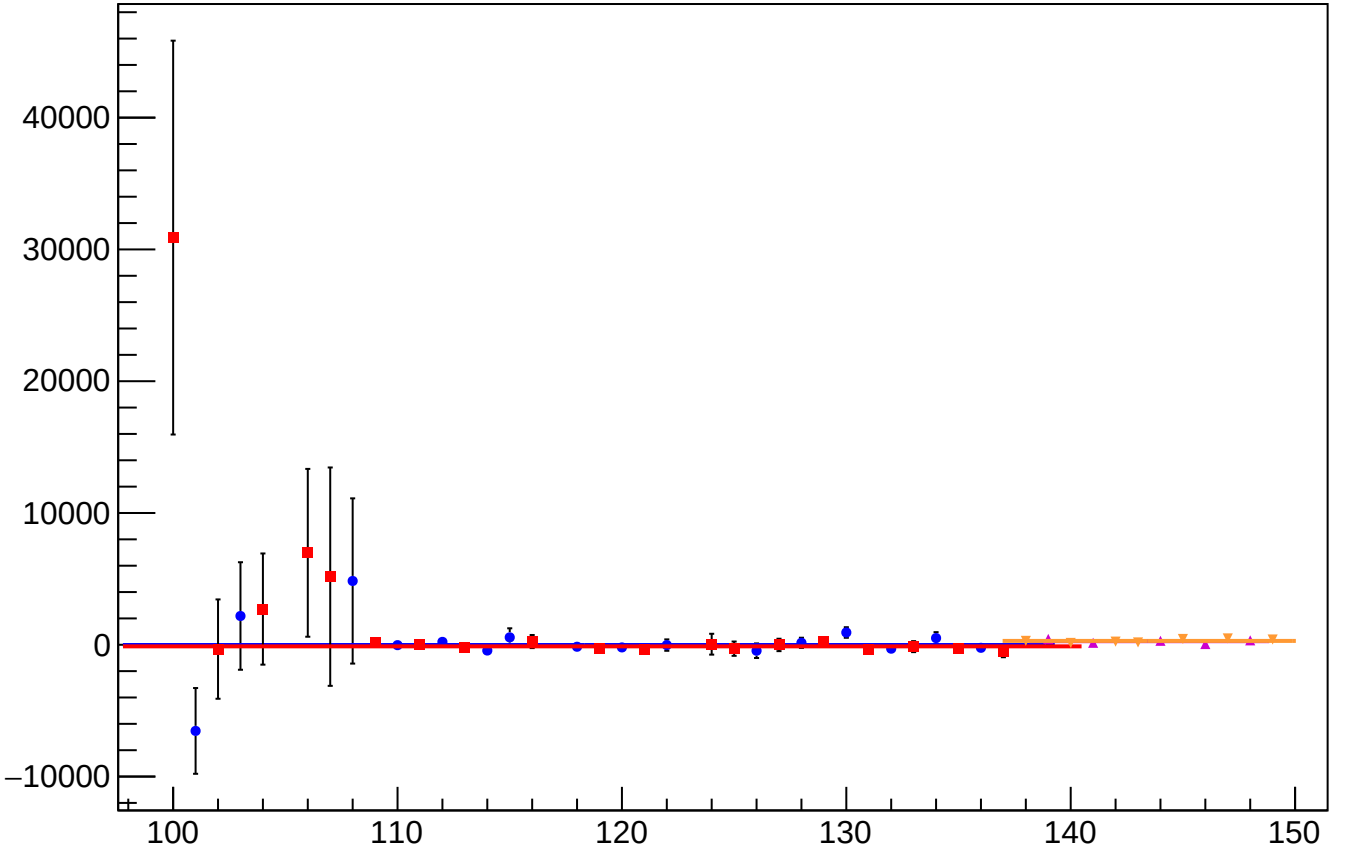
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.202+/-0.008 χ^2/NDF:3253979.6/20

Out: 34.405+/-0.007 χ^2/NDF:3544146.9/25

All: 34.307+/-0.005 χ^2/NDF: 6798487.5/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 292.961+/-109.331 χ^2/NDF:1.2/6

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 272.689+/-118.366 χ^2/NDF:1.3/4

Left: 283.628+/-80.313 χ^2/NDF: 2.5/11

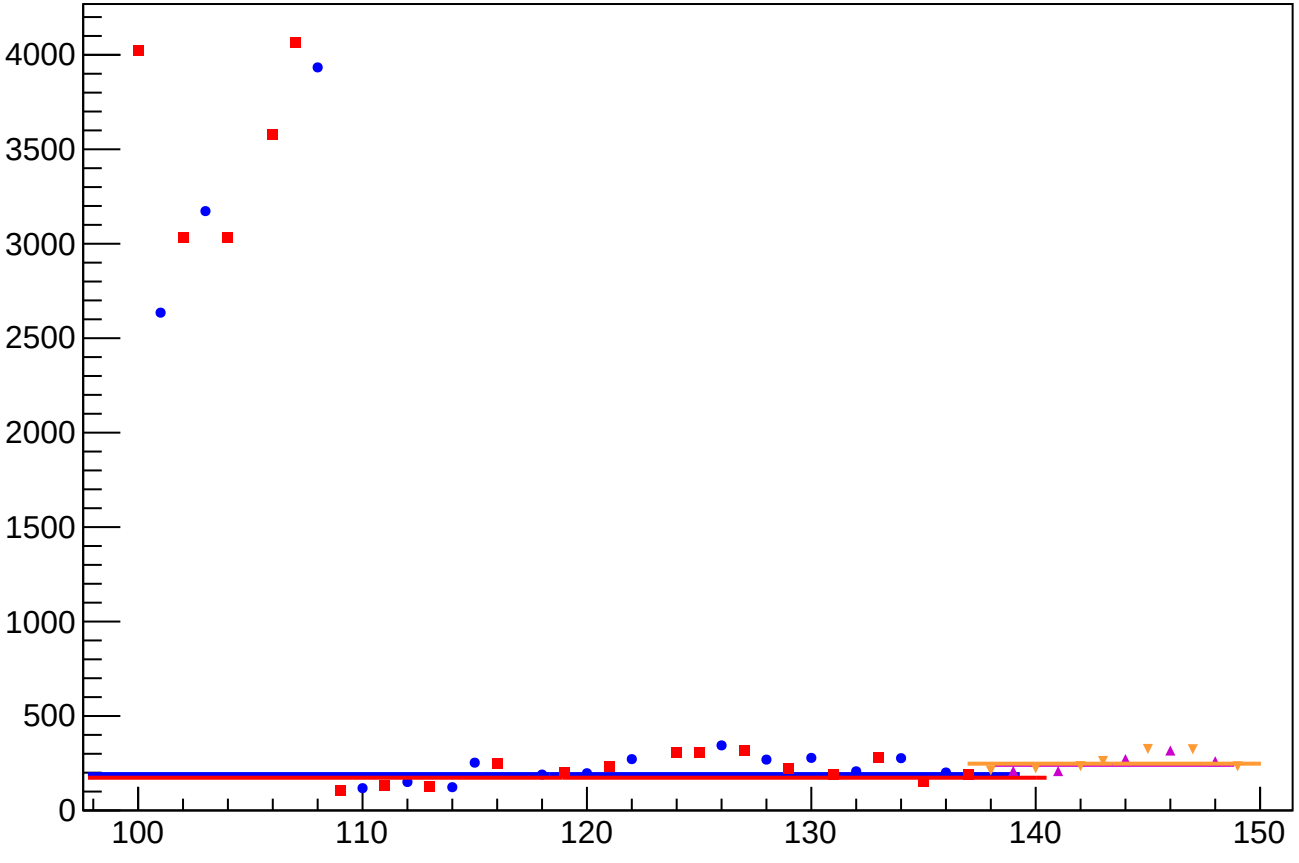
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 79.994+/-69.076 χ^2/NDF:23.5/20

Out: 20.419+/-63.742 χ^2/NDF:23.9/25

All: 47.818+/-46.845 χ^2/NDF: 47.8/46

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: 247.700+/-0.077 χ^2/NDF:261633.0/6

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

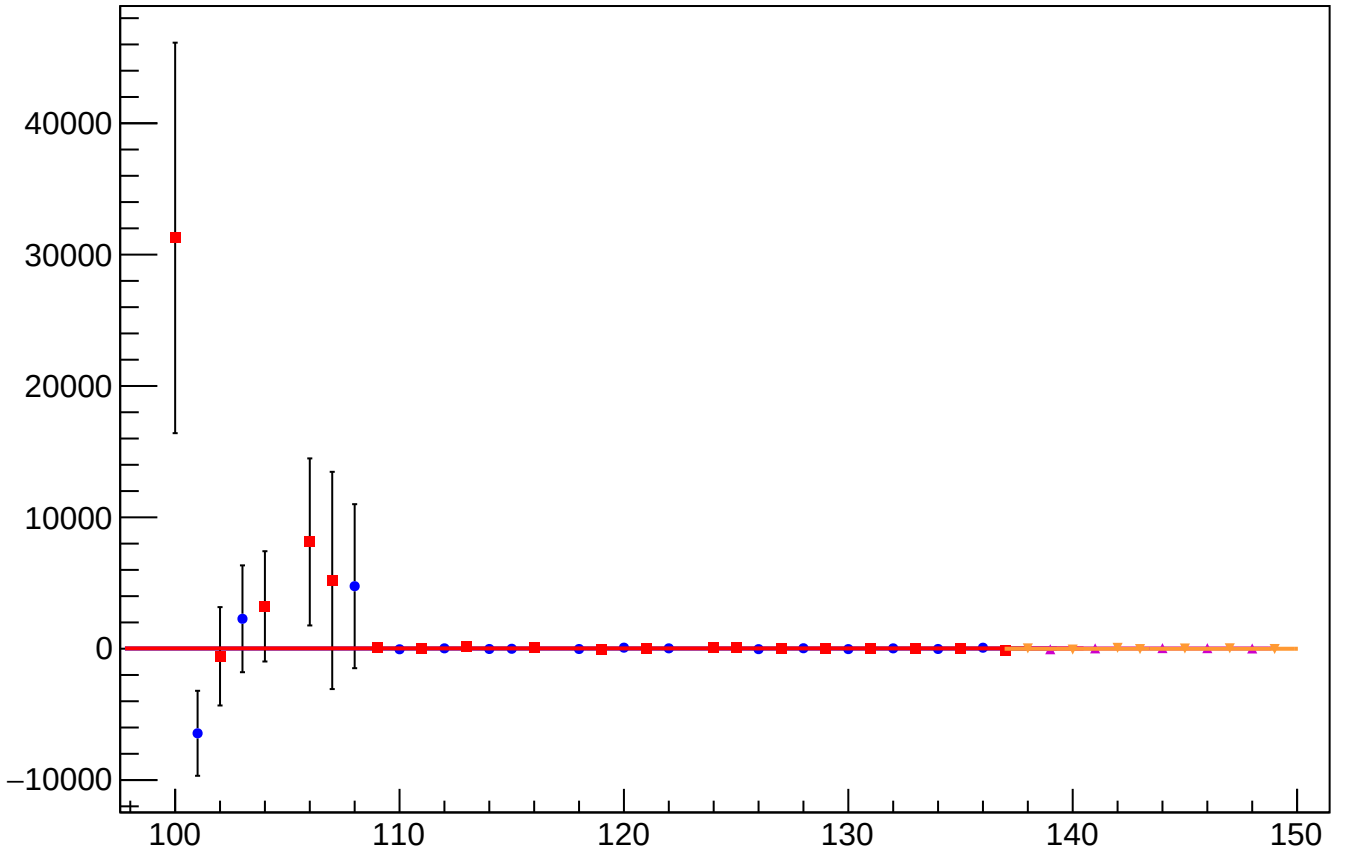
Left: 244.848+/-0.057 χ^2/NDF: 479209.2/11

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 209.229+/-0.049 χ^2/NDF:4262929.2/20

Out: 198.555+/-0.045 χ^2/NDF:5181240.1/25

All: 203.464+/-0.033 χ^2/NDF: 9469963.0/46



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -3.630+/-14.043 χ^2/NDF:7.8/6

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: 6.668+/-10.303 χ^2/NDF: 13.3/11

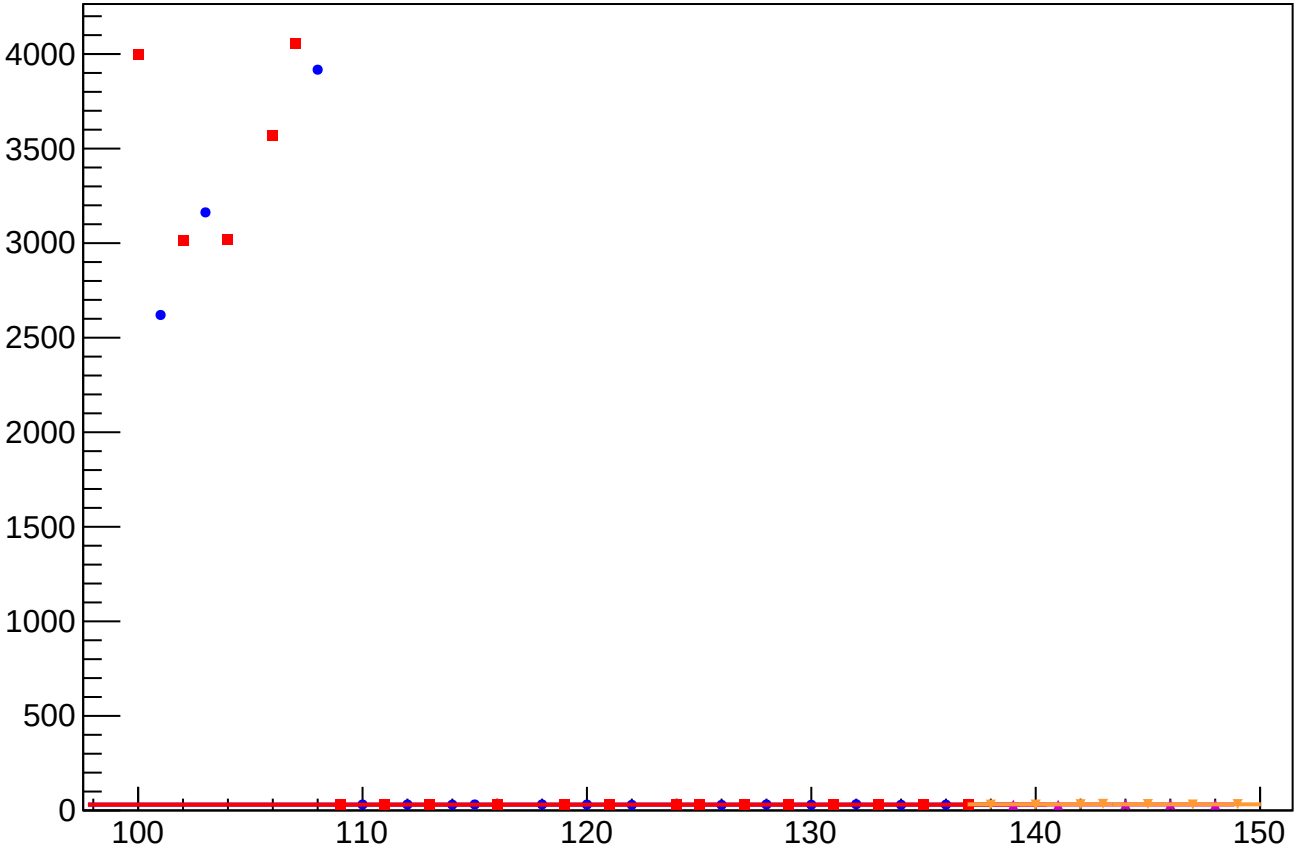
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 15.824+/-9.896 χ^2/NDF:19.8/20

Out: 10.650+/-9.611 χ^2/NDF:38.4/25

All: 13.162+/-6.894 χ^2/NDF: 58.4/46

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: 32.370+/-0.010 χ^2/NDF:20961.2/6

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: 32.031+/-0.007 χ^2/NDF: 42036.3/11

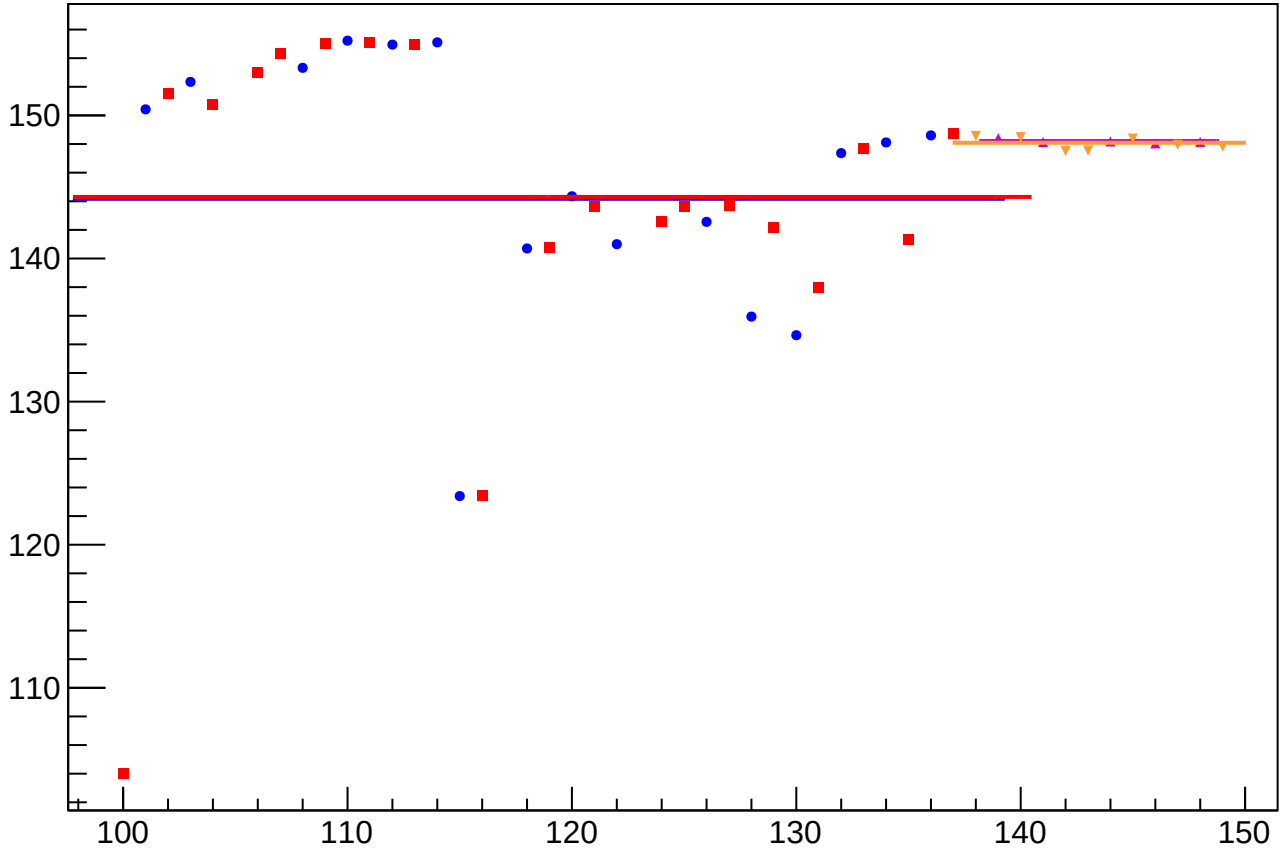
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.229+/-0.007 χ^2/NDF:3273635.6/20

Out: 31.523+/-0.007 χ^2/NDF:3570884.8/25

All: 31.380+/-0.005 χ^2/NDF: 6845429.2/46

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.090+/-0.000 χ^2/NDF:8331348.1/6

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: 148.140+/-0.000 χ^2/NDF: 9046050.6/11

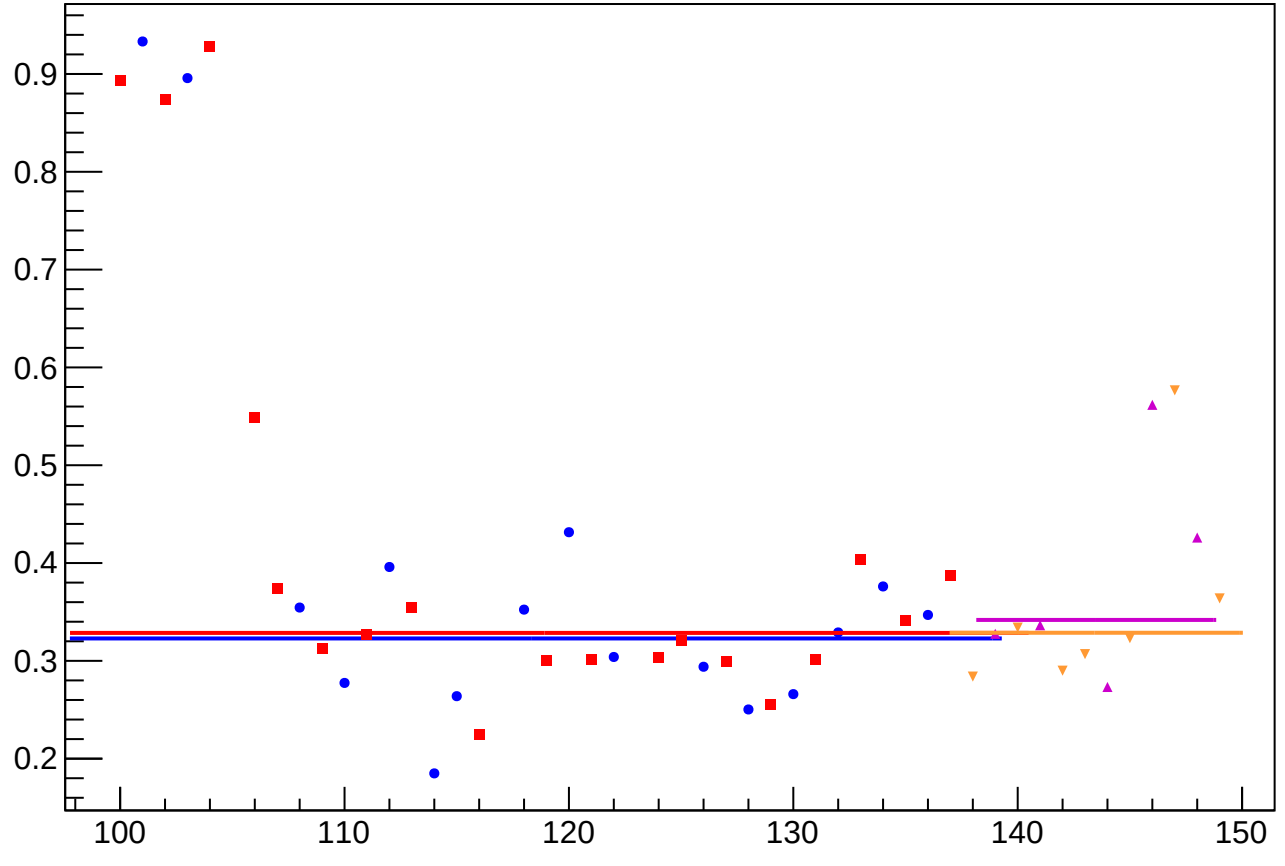
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.670+/-0.000 χ^2/NDF:4068968679.9/20

Out: 145.995+/-0.000 χ^2/NDF:4634129497.8/25

All: 145.842+/-0.000 χ^2/NDF: 8708167807.9

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.329+/-0.000 χ^2/NDF:361016.1/6

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.342+/-0.000 χ^2/NDF:430636.3/4

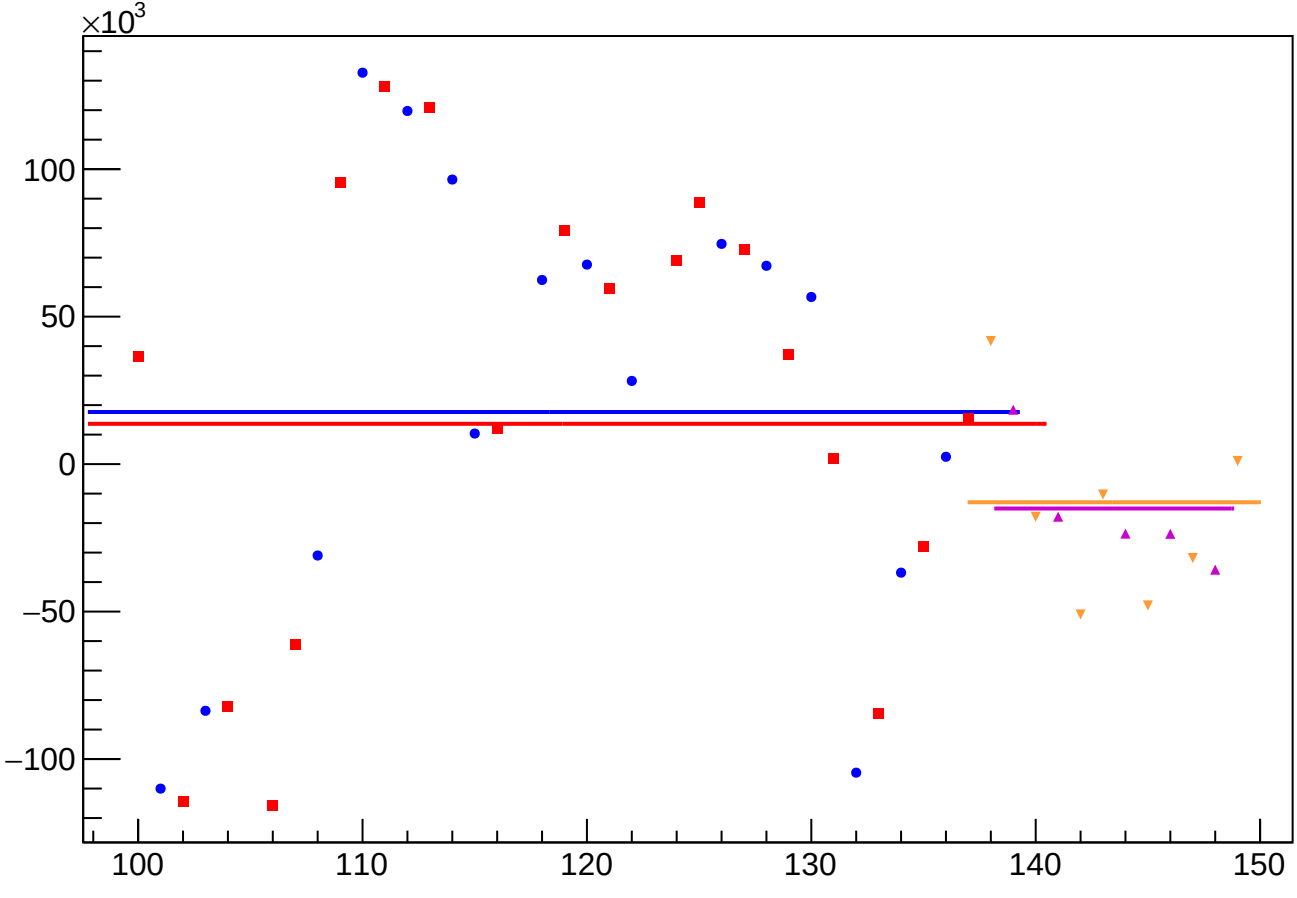
Left: 0.334+/-0.000 χ^2/NDF: 798305.9/11

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.330+/-0.000 χ^2/NDF:1841843.5/20

Out: 0.329+/-0.000 χ^2/NDF:1665166.0/25

All: 0.329+/-0.000 χ^2/NDF: 3507164.9/46



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -12940.563+/-2.241 χ^2/NDF:184536672.8/6

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: -13872.689+/-1.676 χ^2/NDF: 241350516.2/11

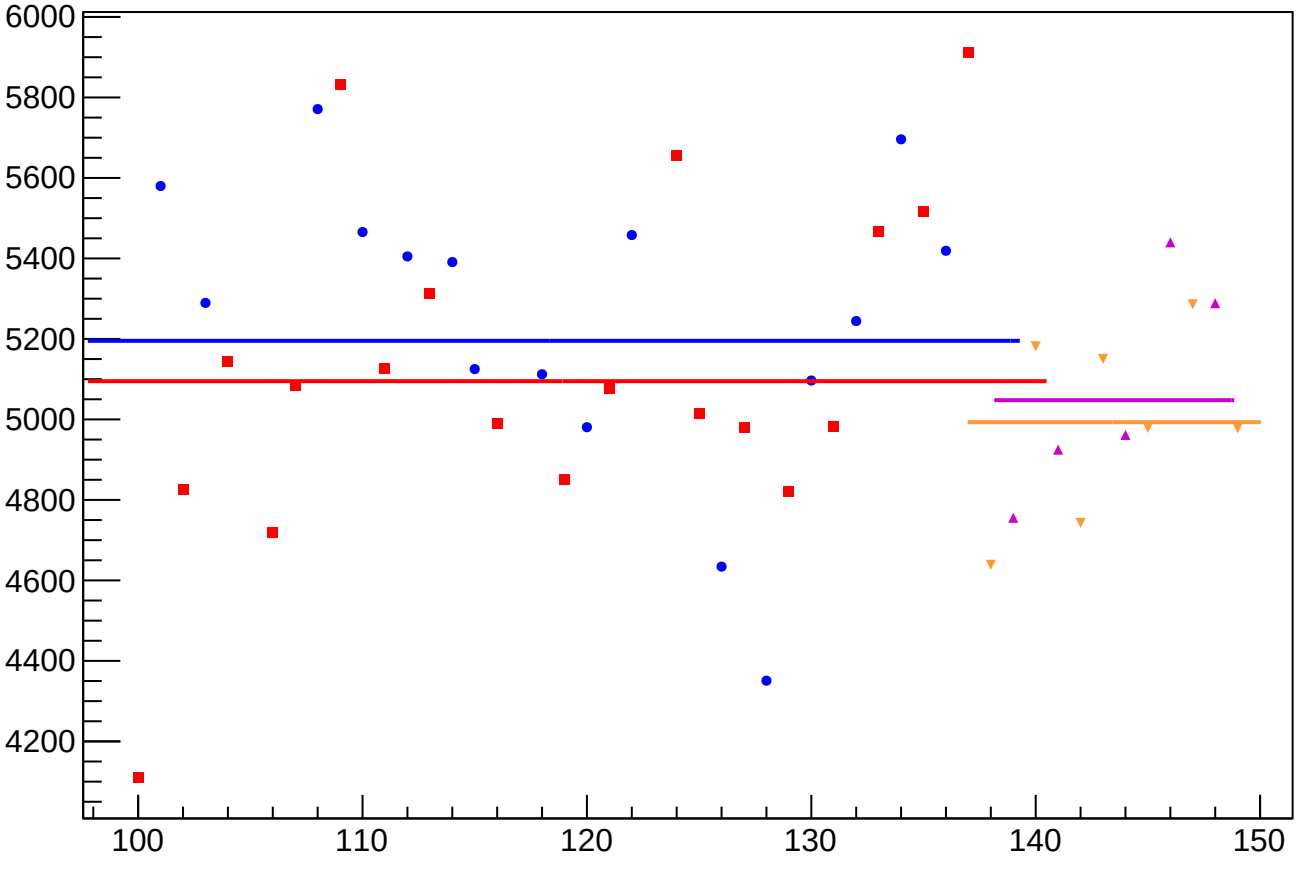
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 4996.825+/-1.570 χ^2/NDF:1558200143.5/20

Out: 2370.130+/-1.460 χ^2/NDF:2122614645.1/25

All: 3588.410+/-1.069 χ^2/NDF: 3682315621.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4993.122+/-1.585 χ^2/NDF:19209.7/6

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 5047.796+/-1.784 χ^2/NDF:19091.3/4

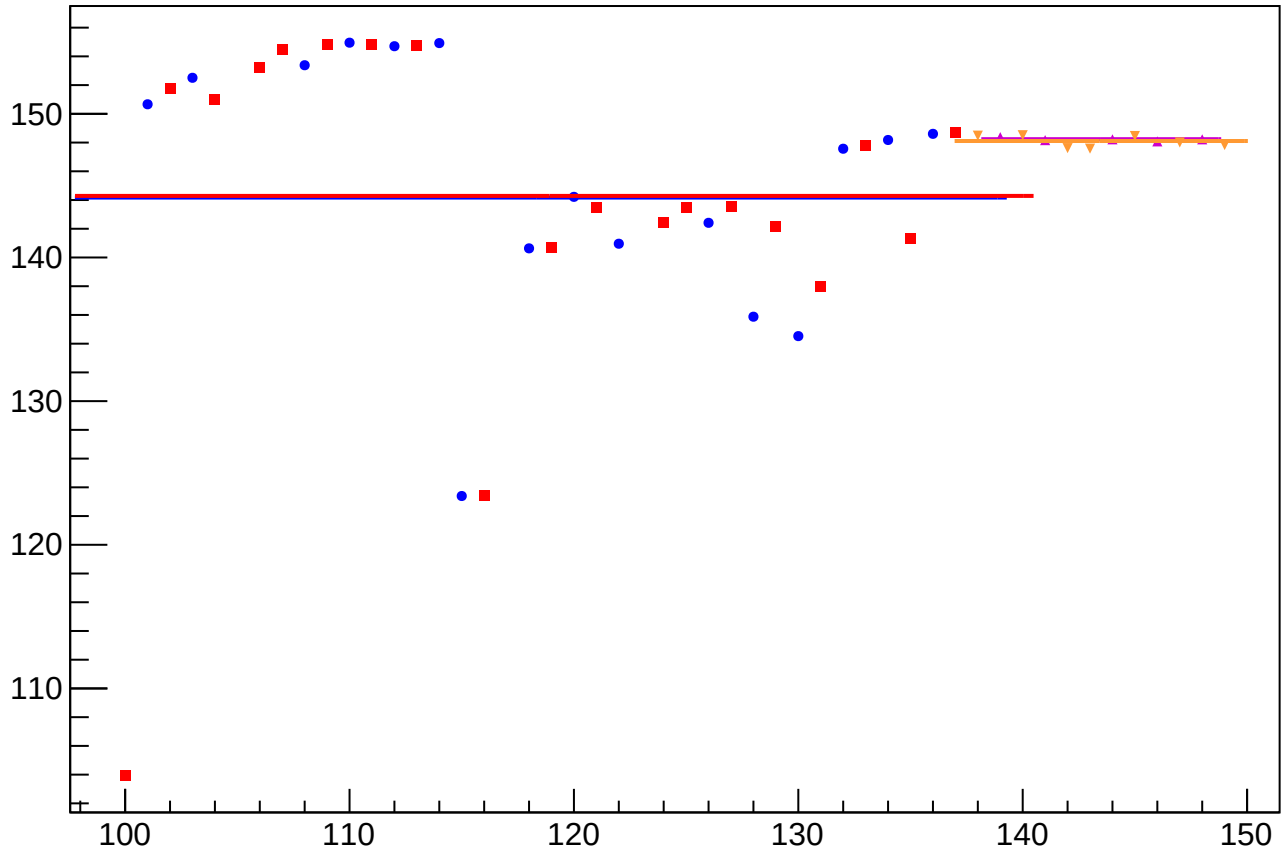
Left: 5017.231+/-1.185 χ^2/NDF: 38825.9/11

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5138.192+/-1.110 χ^2/NDF:100445.7/20

Out: 5051.774+/-1.033 χ^2/NDF:80702.4/25

All: 5091.855+/-0.756 χ^2/NDF: 184397.1/46



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.109+/-0.000 χ^2/NDF:7482375.8/6

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: 148.163+/-0.000 χ^2/NDF: 8052913.0/11

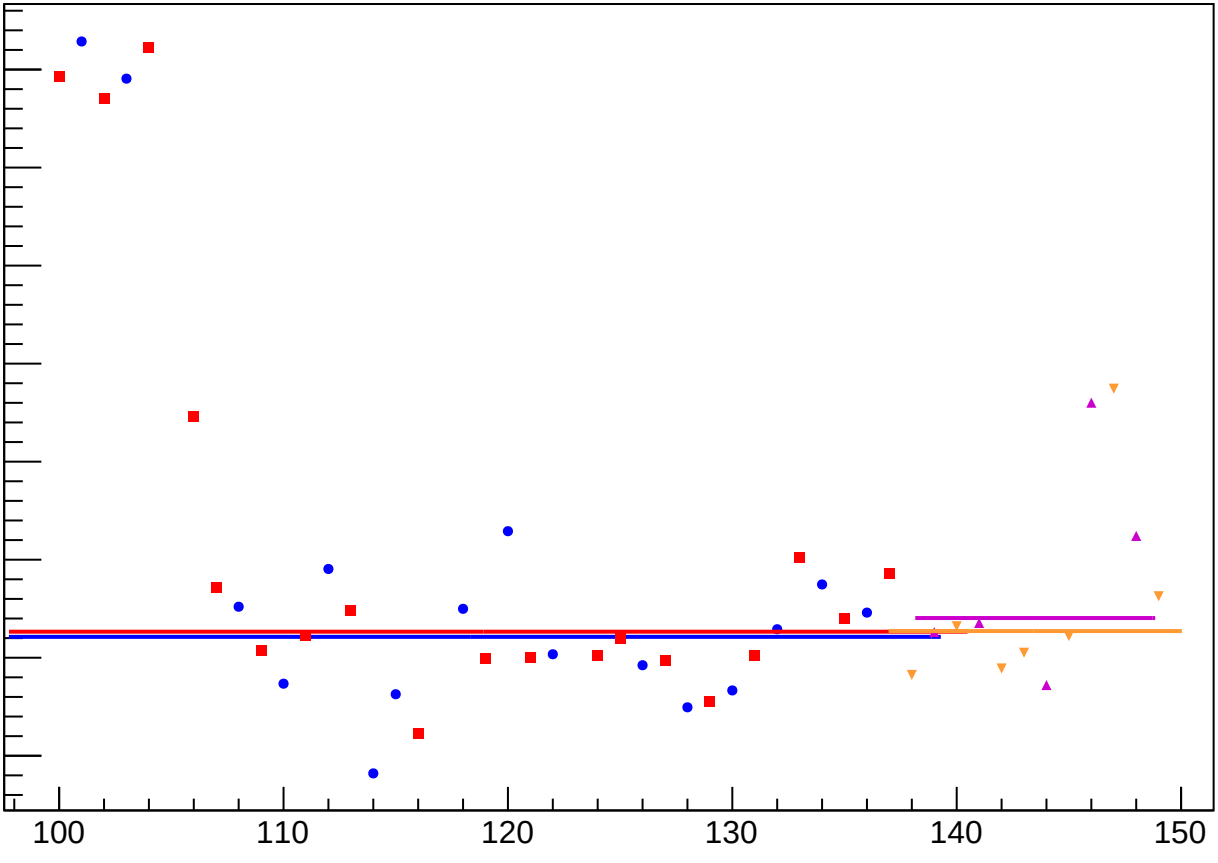
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.675+/-0.000 χ^2/NDF:4117253031.3/20

Out: 145.991+/-0.000 χ^2/NDF:4669950978.3/25

All: 145.842+/-0.000 χ^2/NDF: 8792043685.9

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.327+/-0.000 χ^2/NDF:362291.5/6

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: 0.333+/-0.000 χ^2/NDF: 800773.1/11

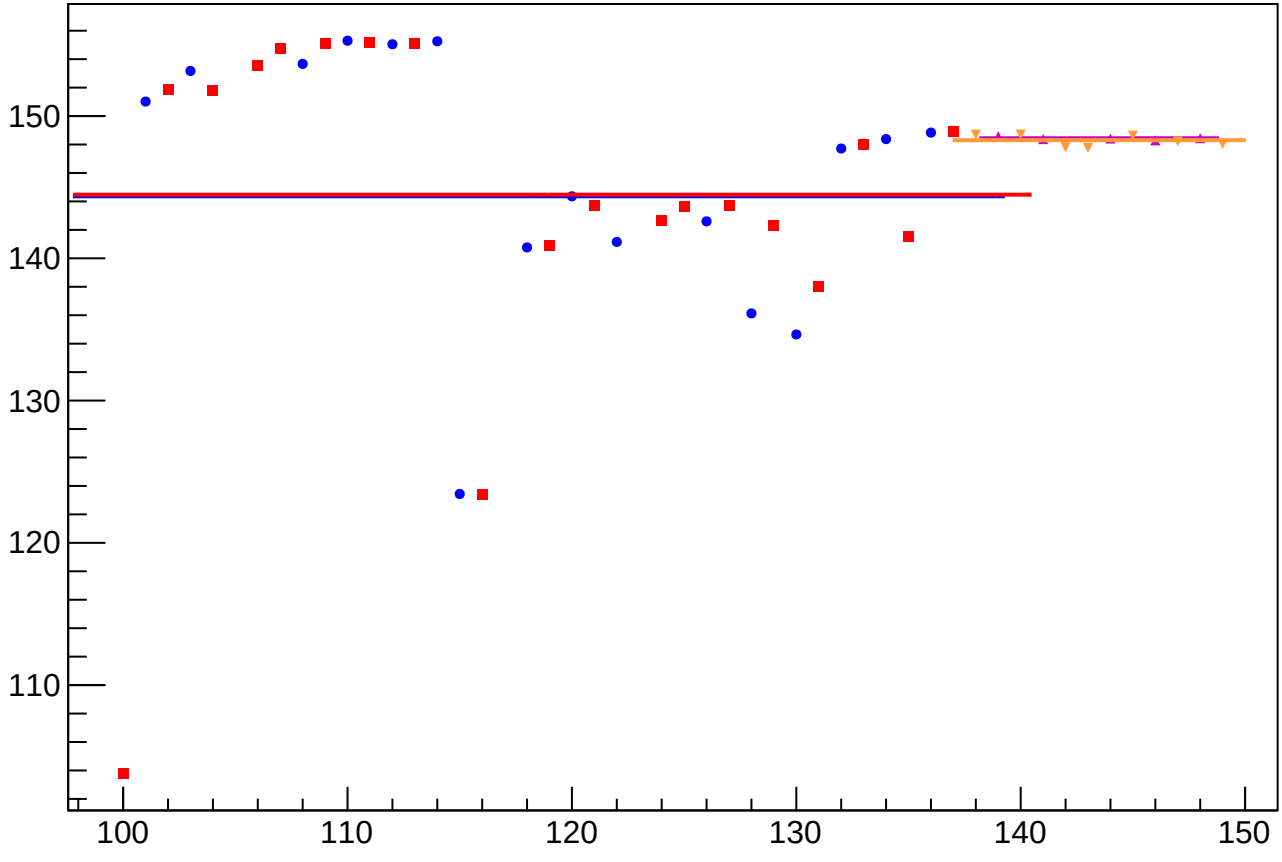
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.328+/-0.000 χ^2/NDF:1843562.4/20

Out: 0.327+/-0.000 χ^2/NDF:1665044.6/25

All: 0.328+/-0.000 χ^2/NDF: 3508840.0/46

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.305+/-0.000 χ^2/NDF:7415384.4/6

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: 148.363+/-0.000 χ^2/NDF: 8013731.3/11

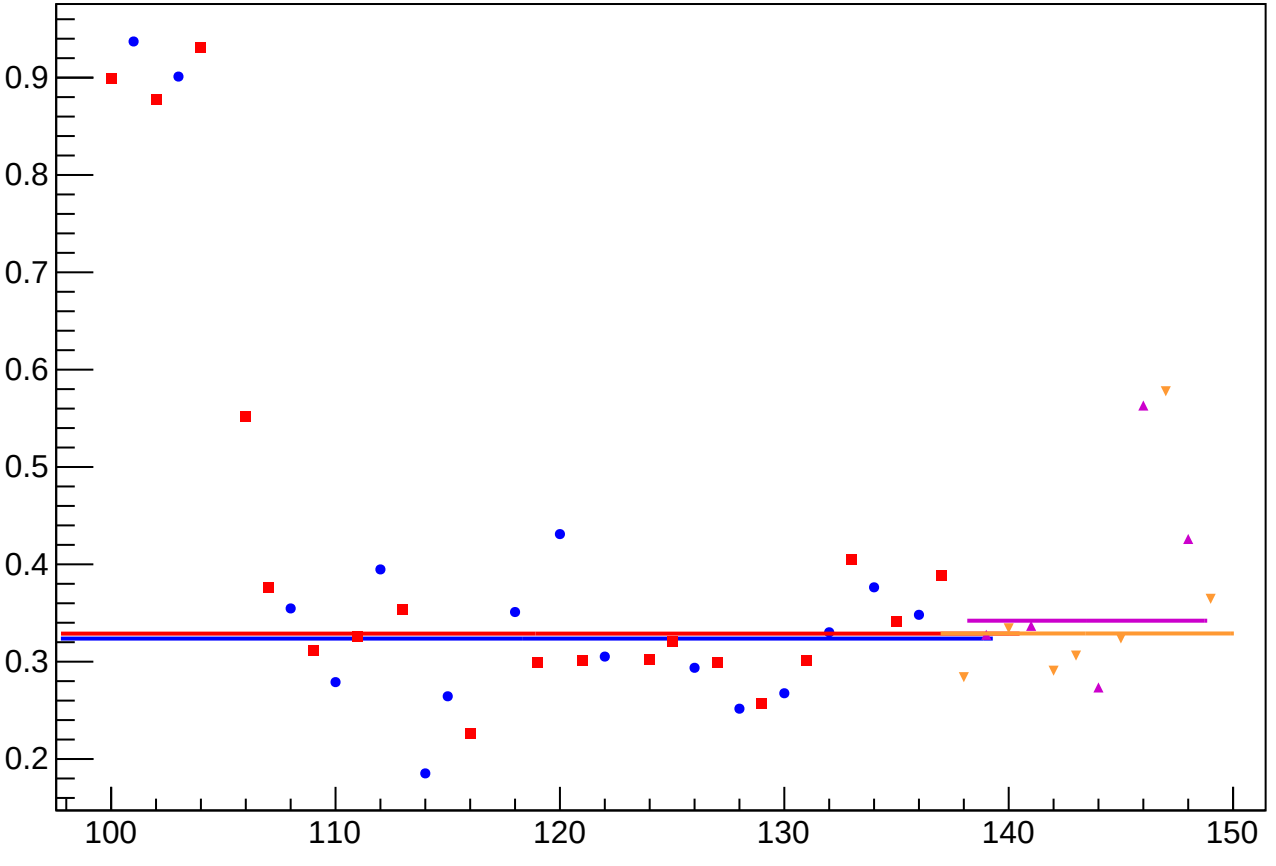
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.874+/-0.000 χ^2/NDF:4109746325.9/20

Out: 146.185+/-0.000 χ^2/NDF:4658687766.7/25

All: 146.039+/-0.000 χ^2/NDF: 8773057656.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.329+/-0.000 χ^2/NDF:362677.1/6

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: 0.335+/-0.000 χ^2/NDF: 800777.6/11

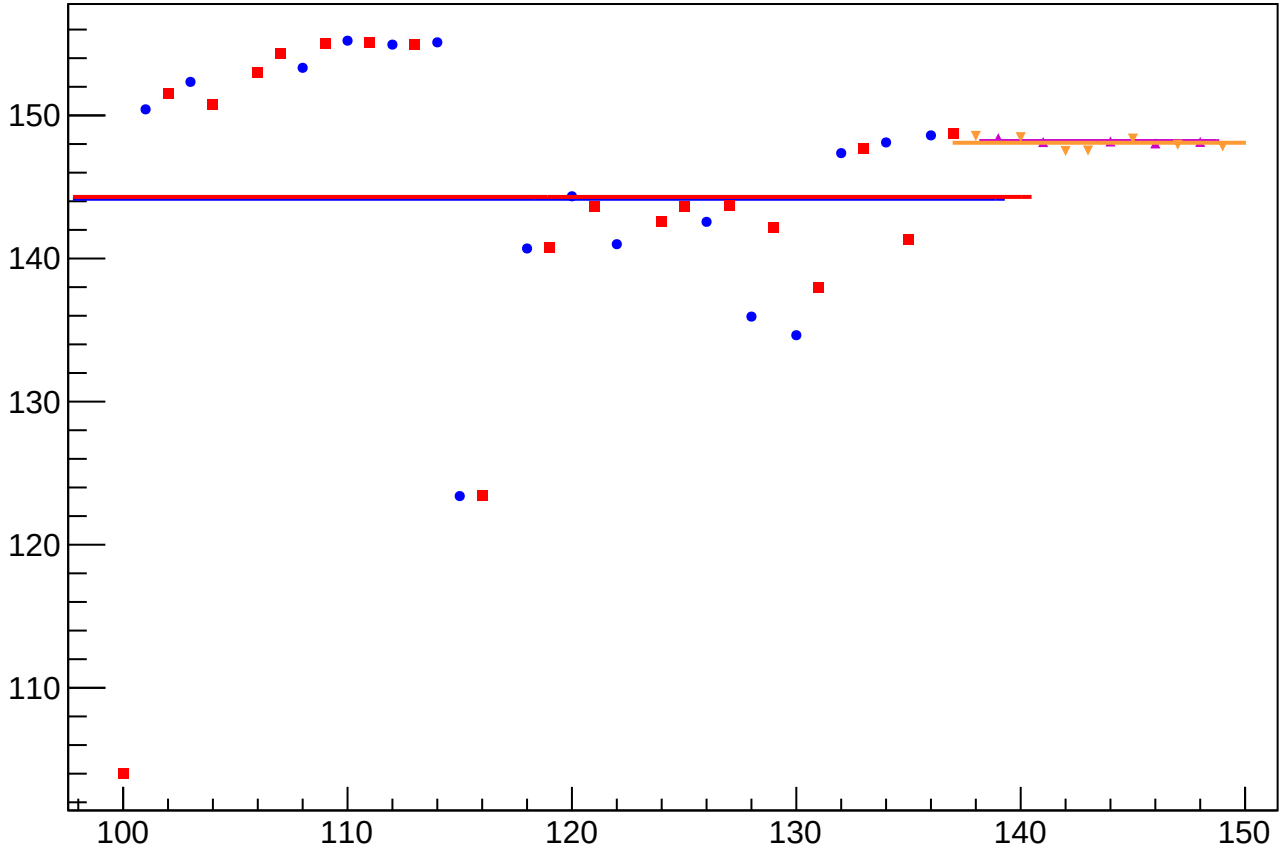
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.331+/-0.000 χ^2/NDF:1838062.0/20

Out: 0.329+/-0.000 χ^2/NDF:1665900.3/25

All: 0.330+/-0.000 χ^2/NDF: 3504221.7/46

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.090+/-0.000 χ^2/NDF:8331348.1/6

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: 148.140+/-0.000 χ^2/NDF: 9046050.6/11

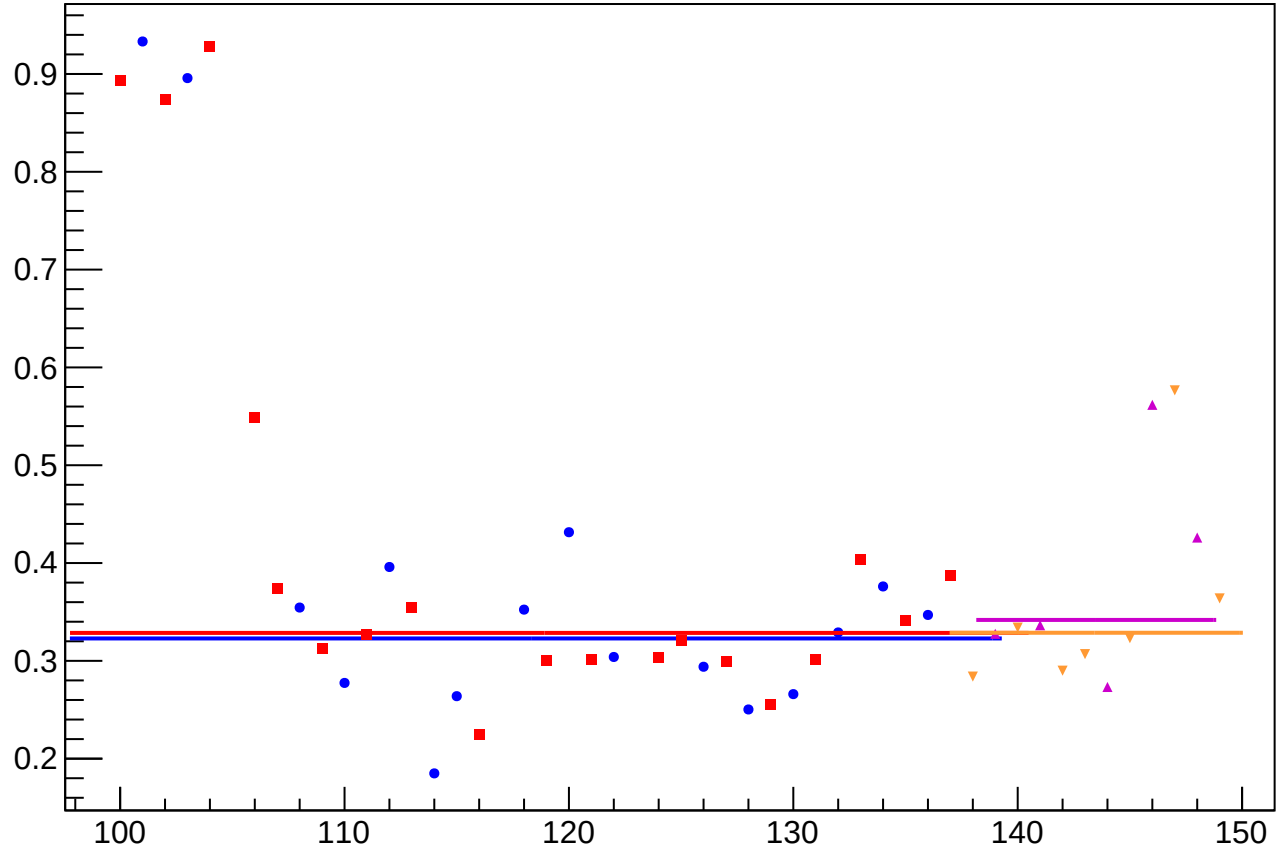
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.670+/-0.000 χ^2/NDF:4068968679.9/20

Out: 145.995+/-0.000 χ^2/NDF:4634129497.8/25

All: 145.842+/-0.000 χ^2/NDF: 8708167807.9

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.329+/-0.000 χ^2/NDF:361016.1/6

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: 0.334+/-0.000 χ^2/NDF: 798305.9/11

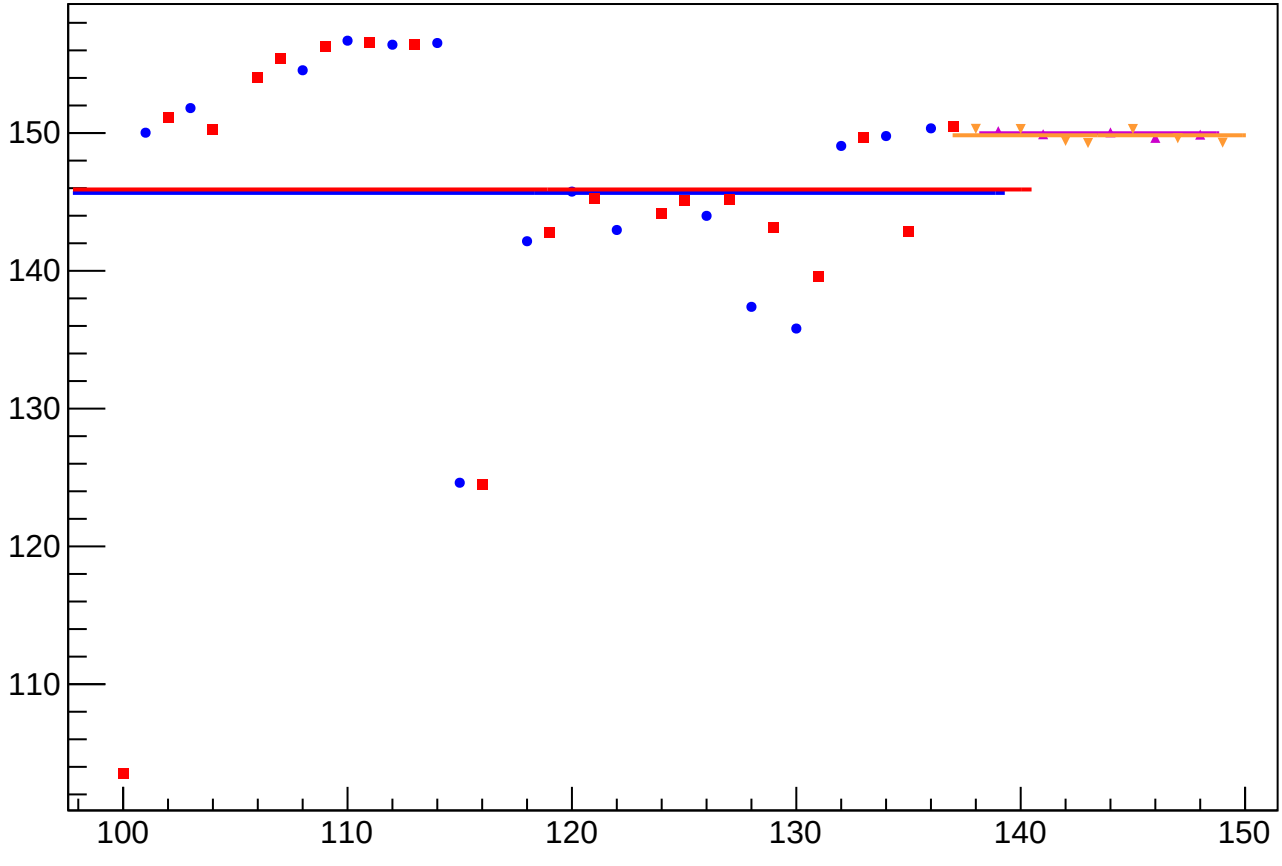
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.330+/-0.000 χ^2/NDF:1841843.5/20

Out: 0.329+/-0.000 χ^2/NDF:1665166.0/25

All: 0.329+/-0.000 χ^2/NDF: 3507164.9/46

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.838+/-0.000 χ^2/NDF:8942416.5/6

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: 149.900+/-0.000 χ^2/NDF: 9819719.0/11

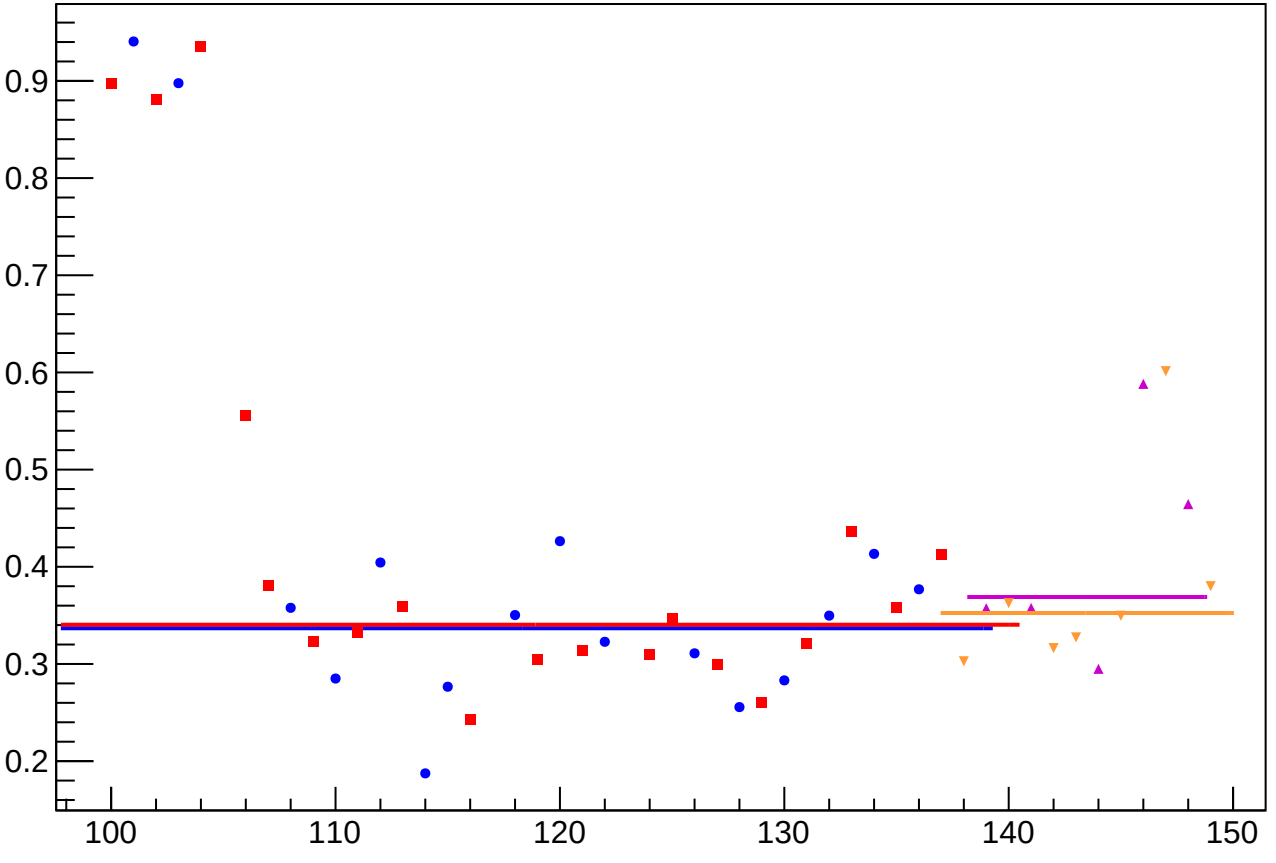
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.193+/-0.000 χ^2/NDF:3830653549.4/20

Out: 147.589+/-0.000 χ^2/NDF:4220447178.4/25

All: 147.403+/-0.000 χ^2/NDF: 8057880927.2

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.352+/-0.000 χ^2/NDF:332678.9/6

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: 0.359+/-0.000 χ^2/NDF: 752459.8/11

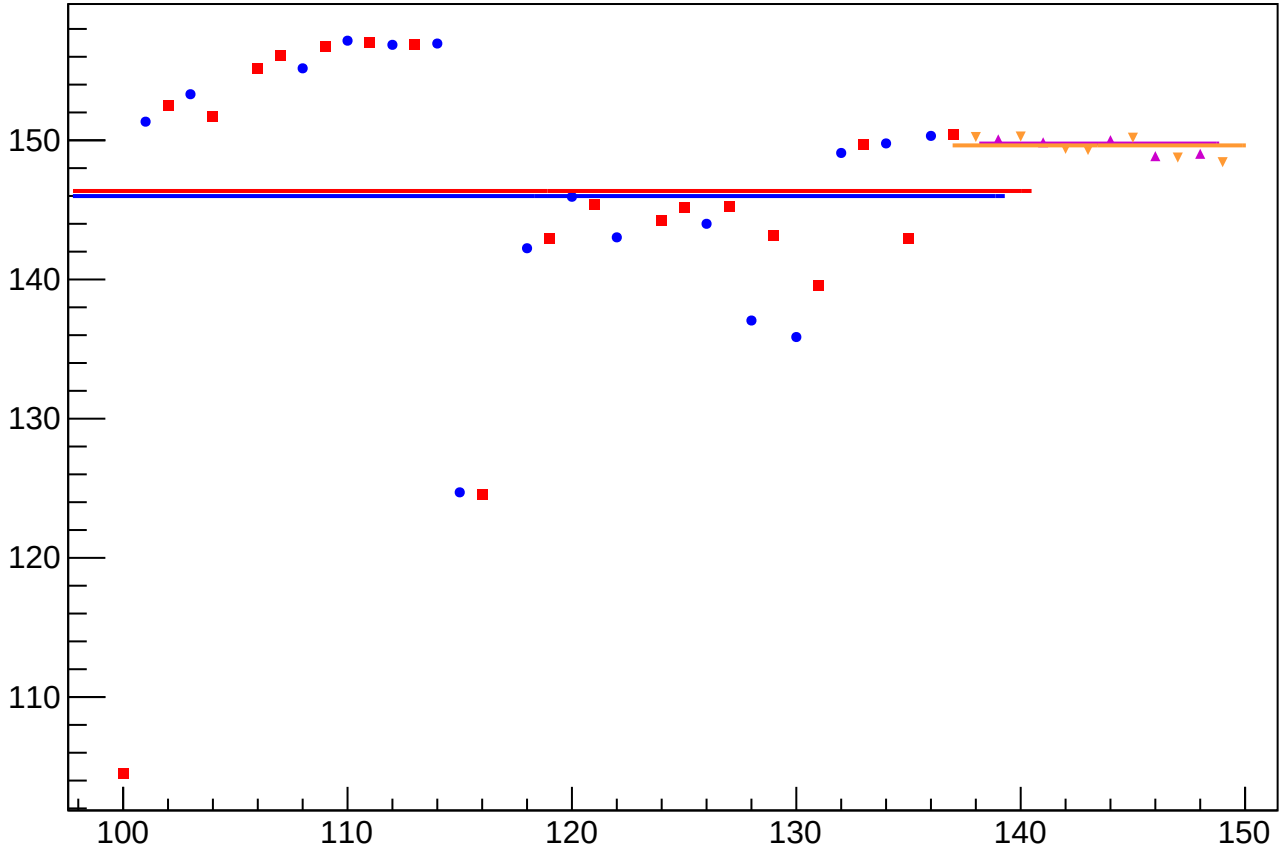
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.348+/-0.000 χ^2/NDF:1819755.7/20

Out: 0.346+/-0.000 χ^2/NDF:1613941.4/25

All: 0.347+/-0.000 χ^2/NDF: 3434285.9/46

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.633+/-0.000 χ^2/NDF:18306913.9/6

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: 149.689+/-0.000 χ^2/NDF: 23716458.9/11

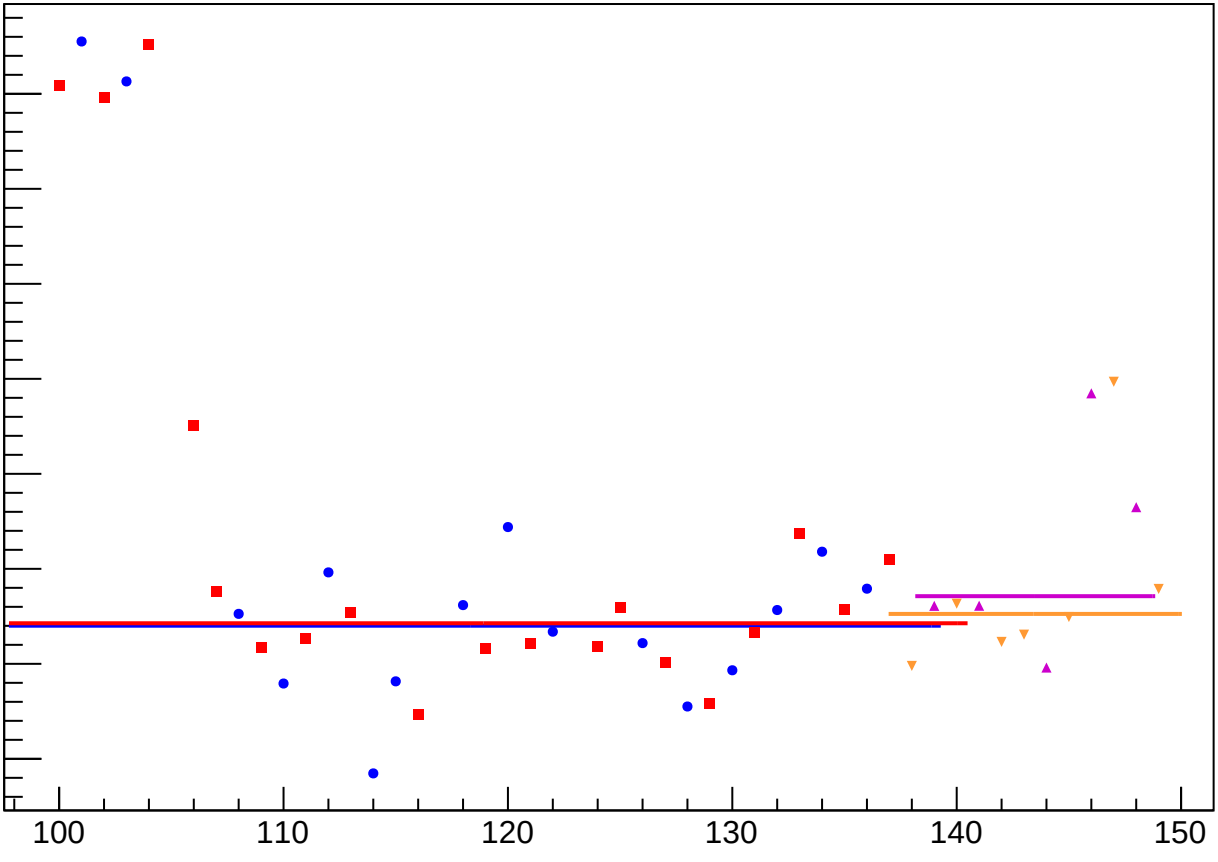
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.339+/-0.000 χ^2/NDF:3886972260.8/20

Out: 147.771+/-0.000 χ^2/NDF:4220734719.9/25

All: 147.569+/-0.000 χ^2/NDF: 8115612584.6

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.353+/-0.000 χ^2/NDF:329513.8/6

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: 0.360+/-0.000 χ^2/NDF: 740253.6/11

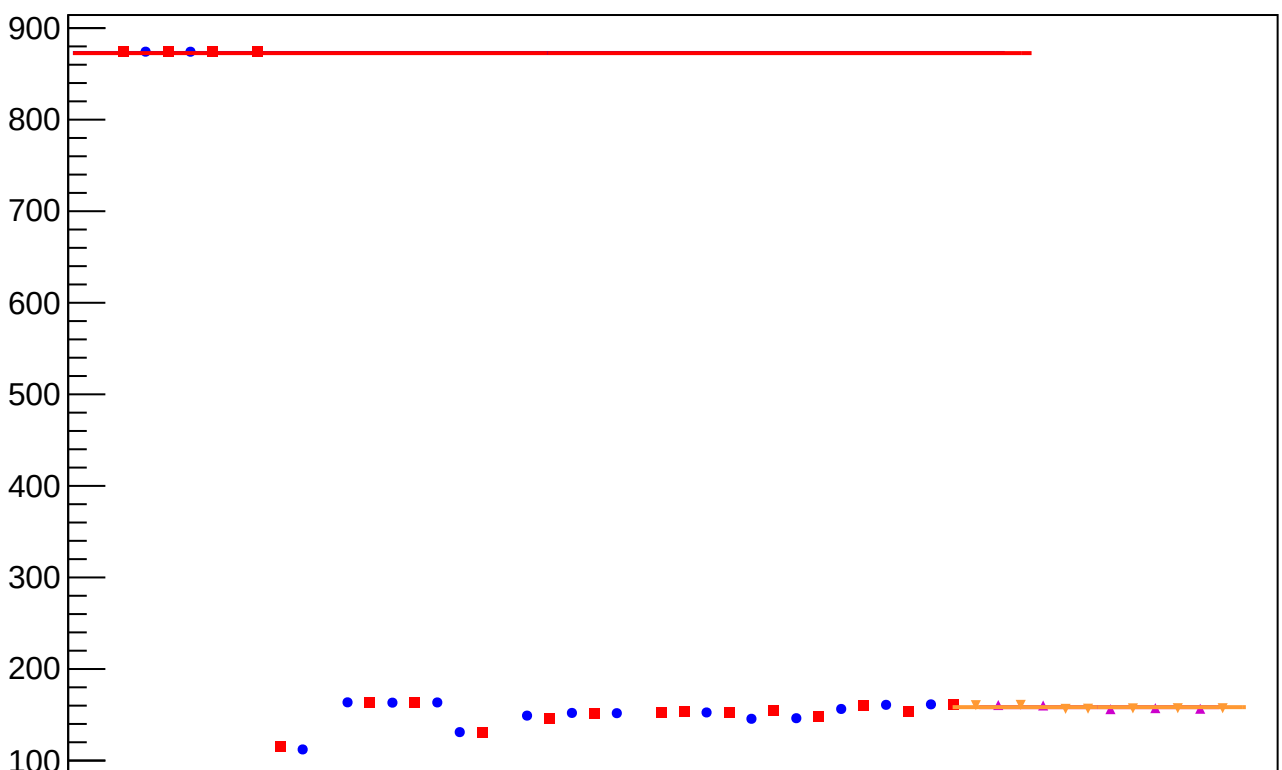
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.351+/-0.000 χ^2/NDF:1827760.2/20

Out: 0.347+/-0.000 χ^2/NDF:1604556.1/25

All: 0.349+/-0.000 χ^2/NDF: 3433883.0/46

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.342+/-0.000 χ^2/NDF:28927201.7/6

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: 158.355+/-0.000 χ^2/NDF: 54979492.4/11

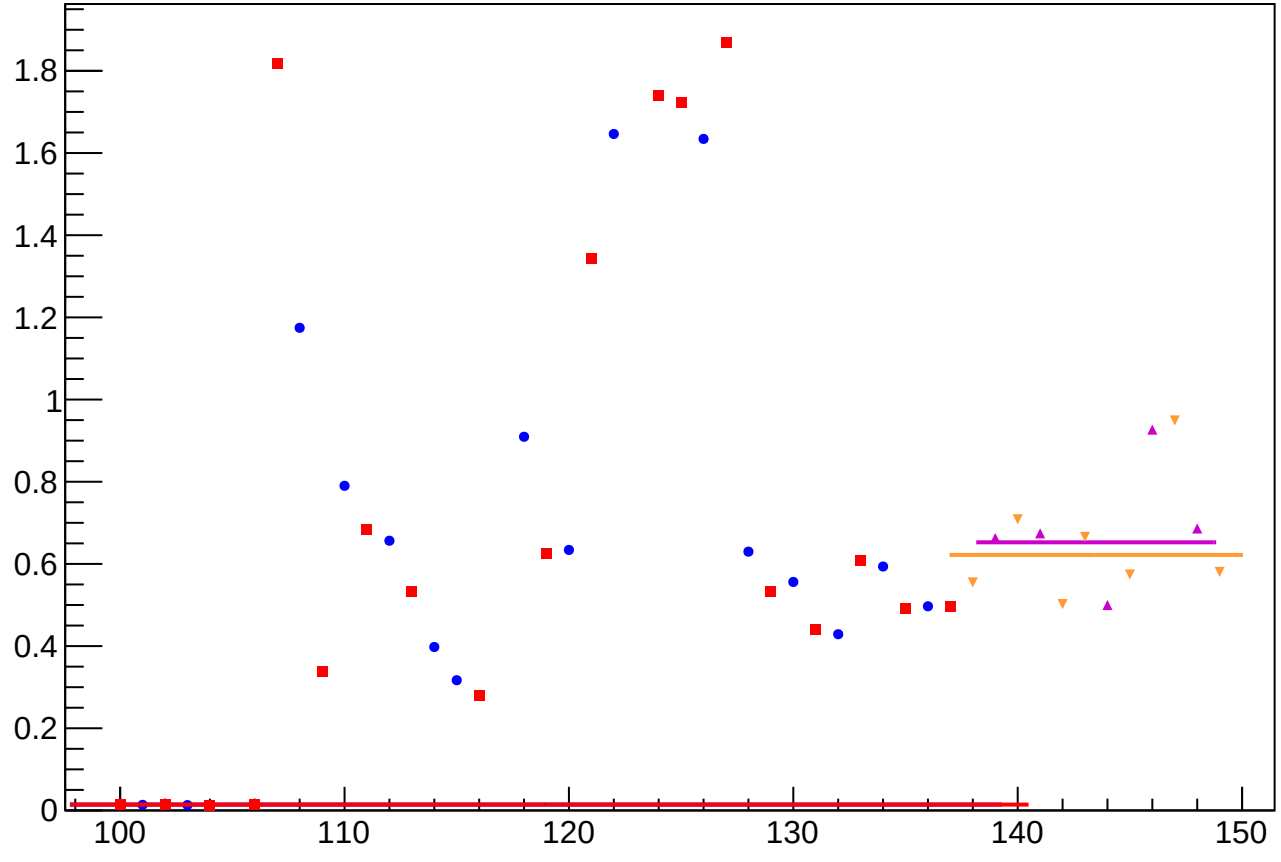
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.155+/-0.000 χ^2/NDF:10584245783809.8/2

Out: 871.913+/-0.000 χ^2/NDF:13638394349470.2

All: 872.026+/-0.000 χ^2/NDF: 24222863883

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.622+/-0.000 χ^2/NDF:211108.1/6

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: 0.635+/-0.000 χ^2/NDF: 408605.4/11

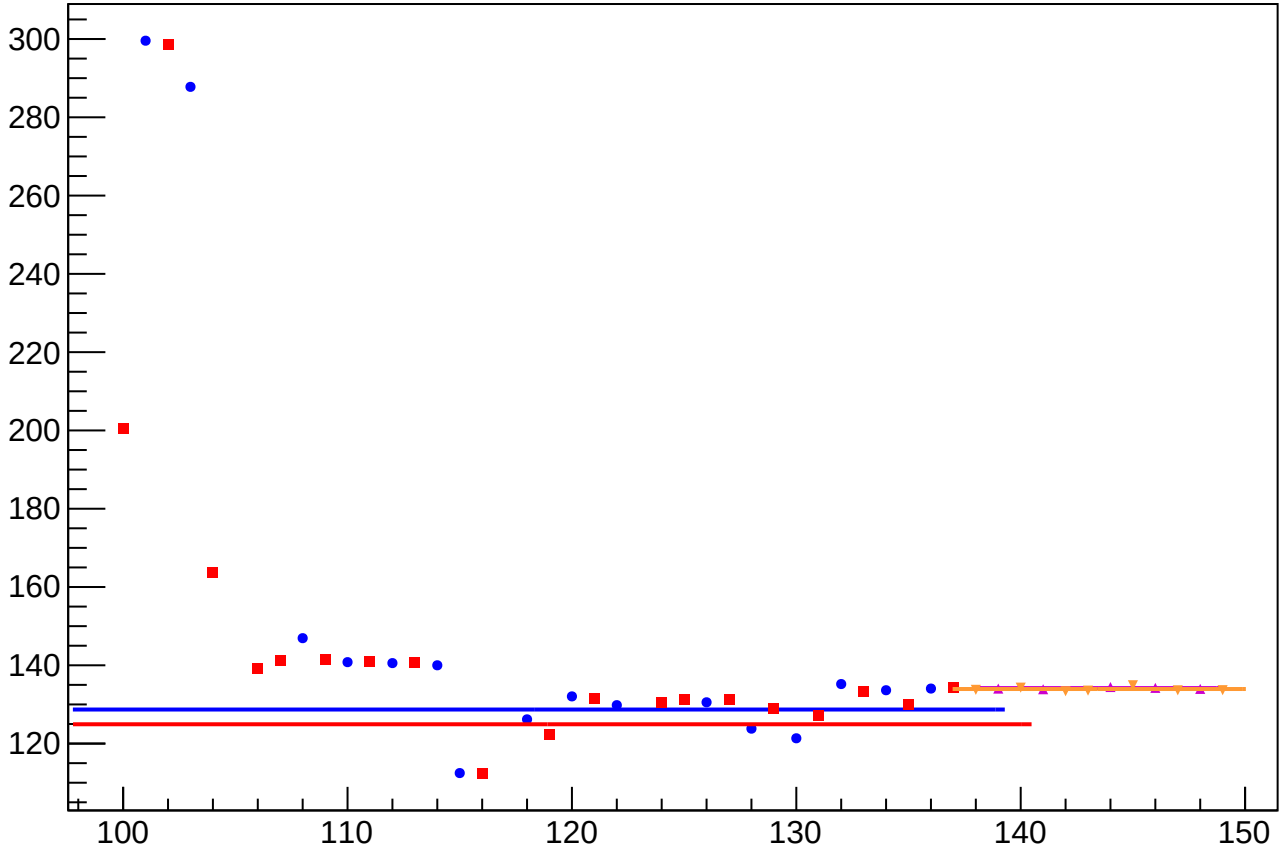
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:15226641.9/20

Out: 0.015+/-0.000 χ^2/NDF:16092103.2/25

All: 0.015+/-0.000 χ^2/NDF: 31318803.8/46

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.942+/-0.000 χ^2/NDF:6537242.5/6

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: 134.040+/-0.000 χ^2/NDF: 7734471.8/11

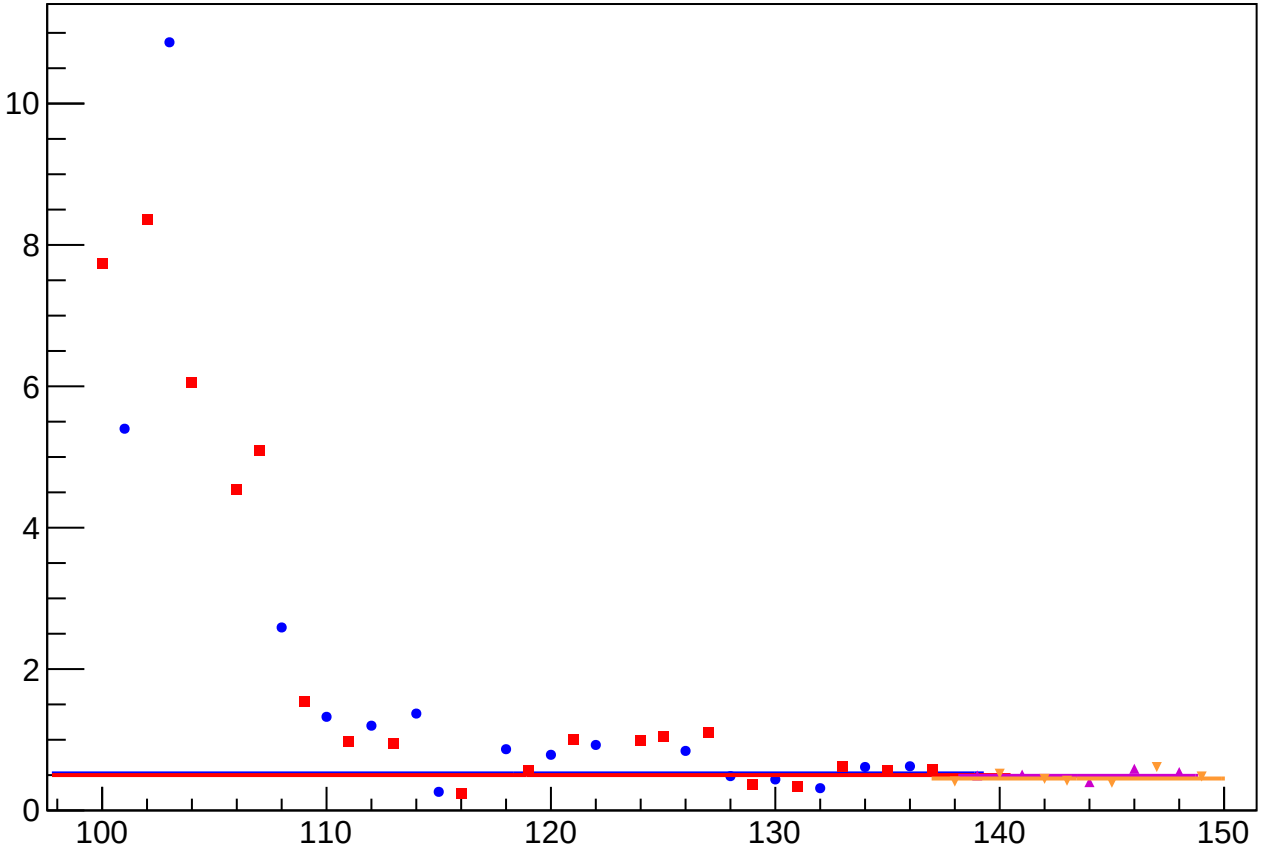
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.508+/-0.000 χ^2/NDF:1862684884.1/20

Out: 130.296+/-0.000 χ^2/NDF:2081840113.2/25

All: 130.831+/-0.000 χ^2/NDF: 3967018314.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.452+/-0.000 χ^2/NDF:180223.9/6

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: 0.467+/-0.000 χ^2/NDF: 345129.4/11

Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.506+/-0.000 χ^2/NDF:4296047.3/20

Out: 0.472+/-0.000 χ^2/NDF:5103779.3/25

All: 0.487+/-0.000 χ^2/NDF: 9436794.2/46

yield_cav4dQ_mean vs Slug, Sign Corrected

Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.263+/-0.000 χ^2/NDF:14113675.7/6

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: 137.318+/-0.000 χ^2/NDF: 15856125.1/11

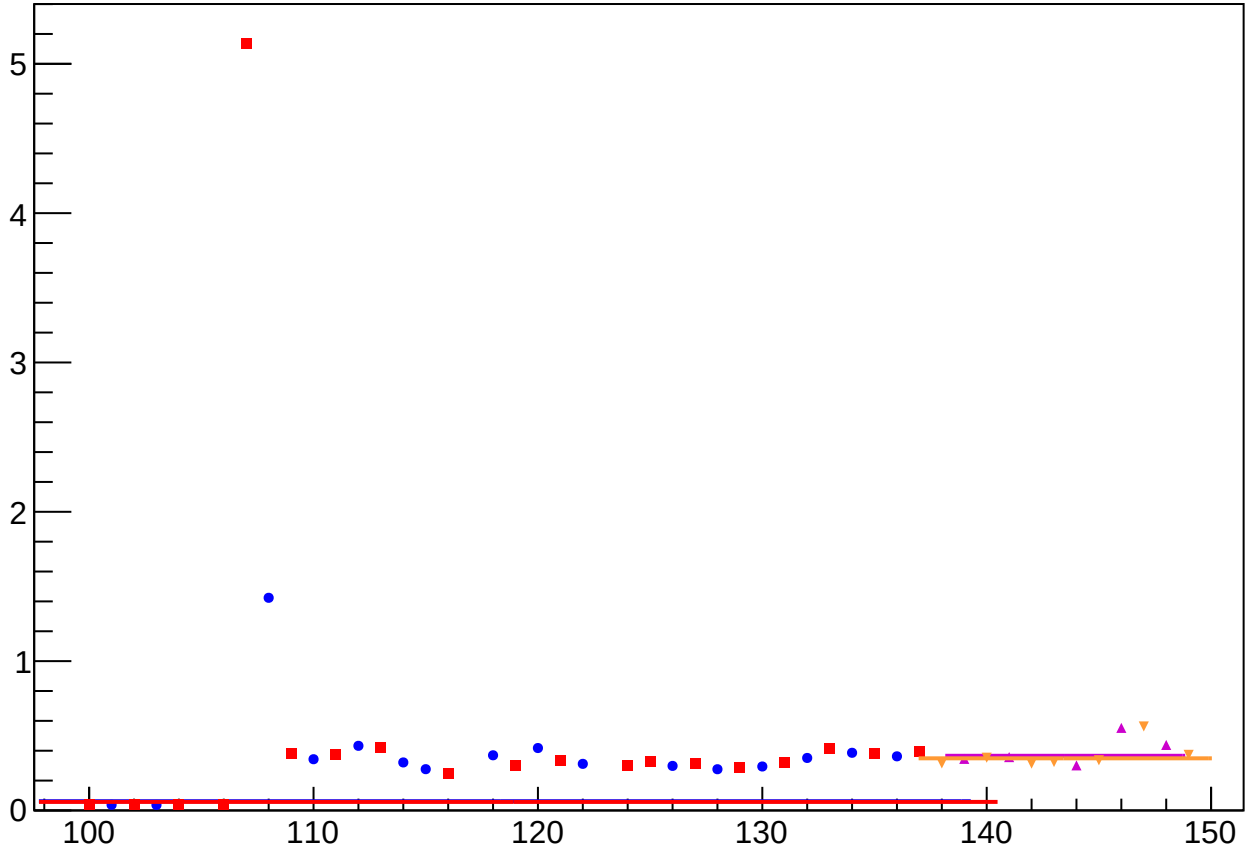
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1754.956+/-0.000 χ^2/NDF:228274989092131.

Out: 1765.672+/-0.000 χ^2/NDF:25822971595486

All: 1760.751+/-0.000 χ^2/NDF: 4865419798

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.349+/-0.000 χ^2/NDF:268796.9/6

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: 0.356+/-0.000 χ^2/NDF: 600824.2/11

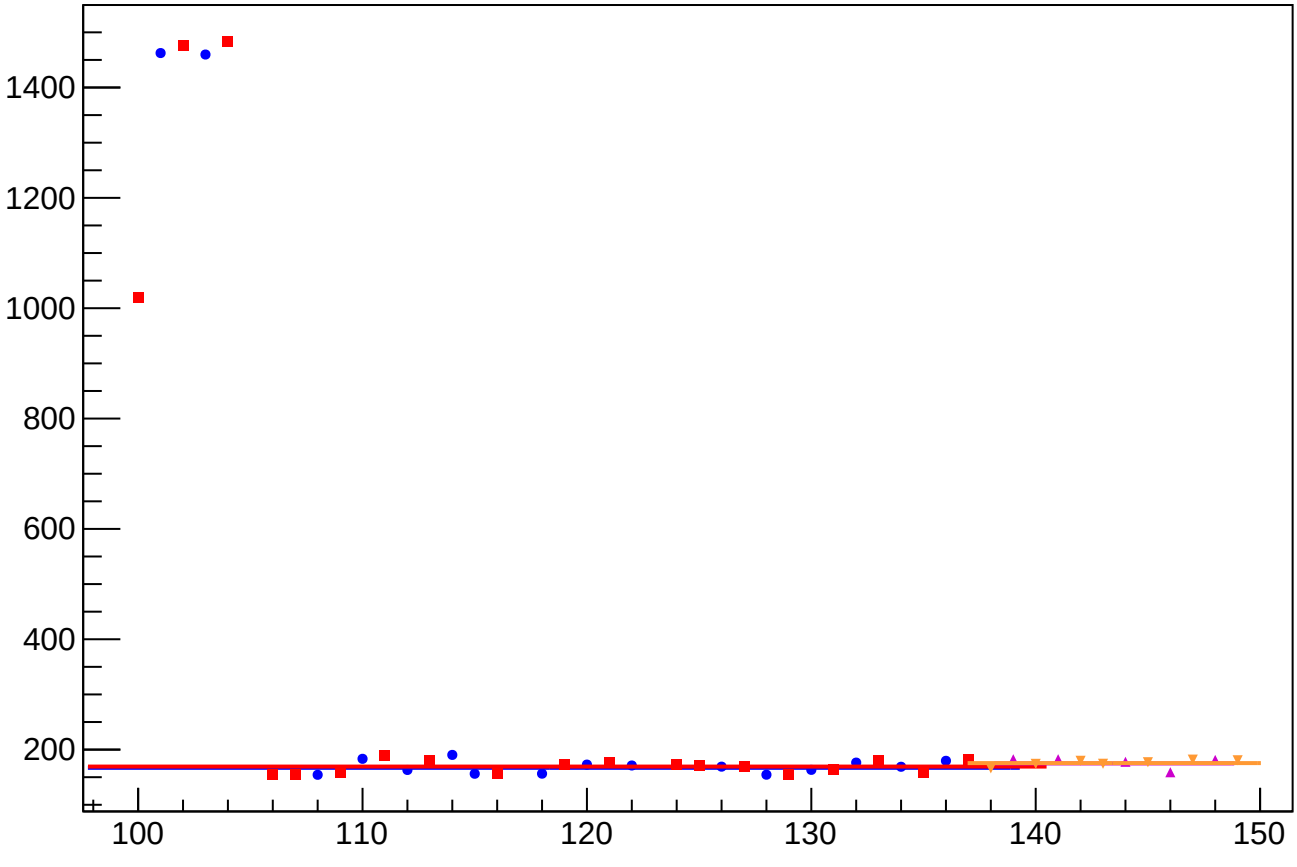
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.077+/-0.000 χ^2/NDF:13757260.4/20

Out: 0.074+/-0.000 χ^2/NDF:14590417.6/25

All: 0.075+/-0.000 χ^2/NDF: 28352466.3/46

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 175.555+/-0.000 χ^2/NDF:132547962.0/6

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: 175.282+/-0.000 χ^2/NDF: 485198008.3/11

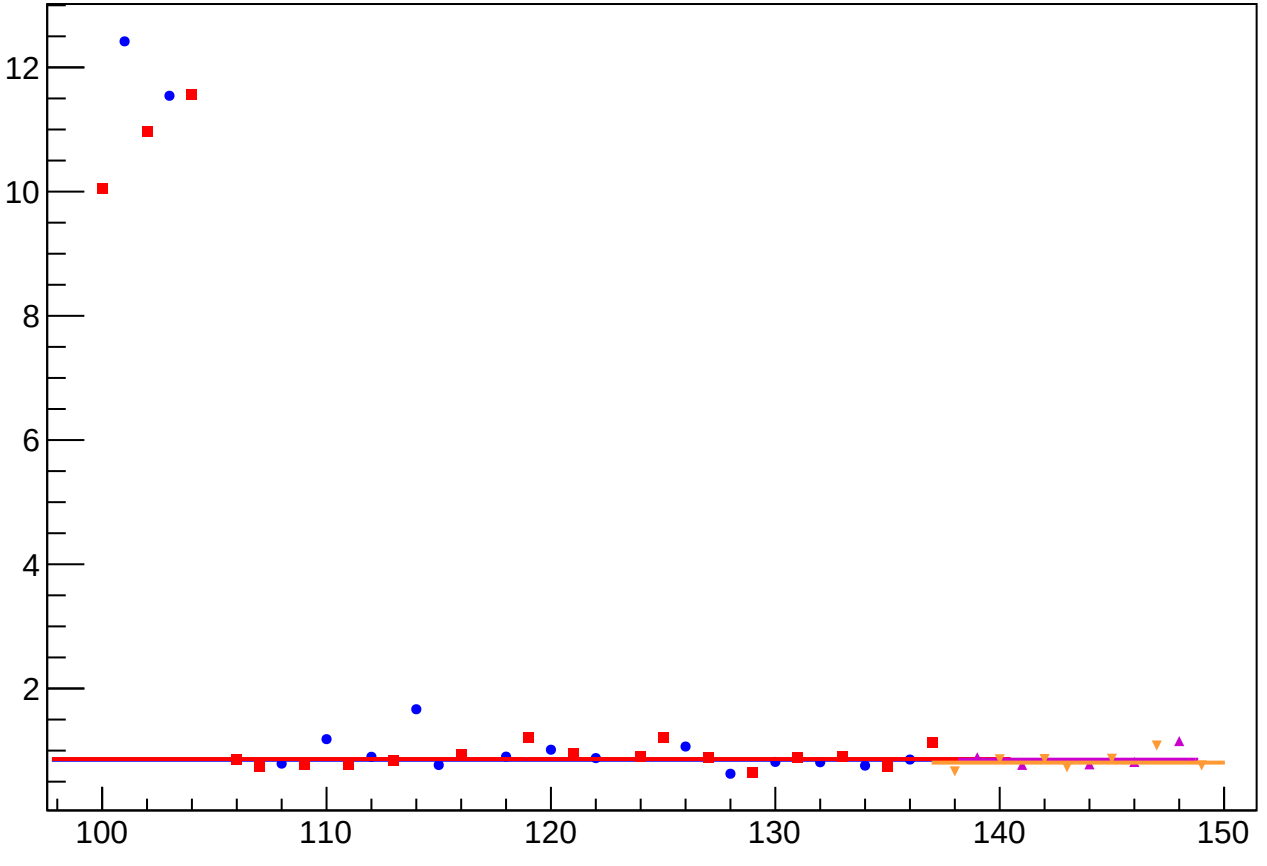
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 170.202+/-0.000 χ^2/NDF:15100370830.7/20

Out: 172.128+/-0.000 χ^2/NDF:16548624058.6/25

All: 171.224+/-0.000 χ^2/NDF: 31666446273.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.807+/-0.000 χ^2/NDF:134191.1/6

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.854+/-0.000 χ^2/NDF:105844.6/4

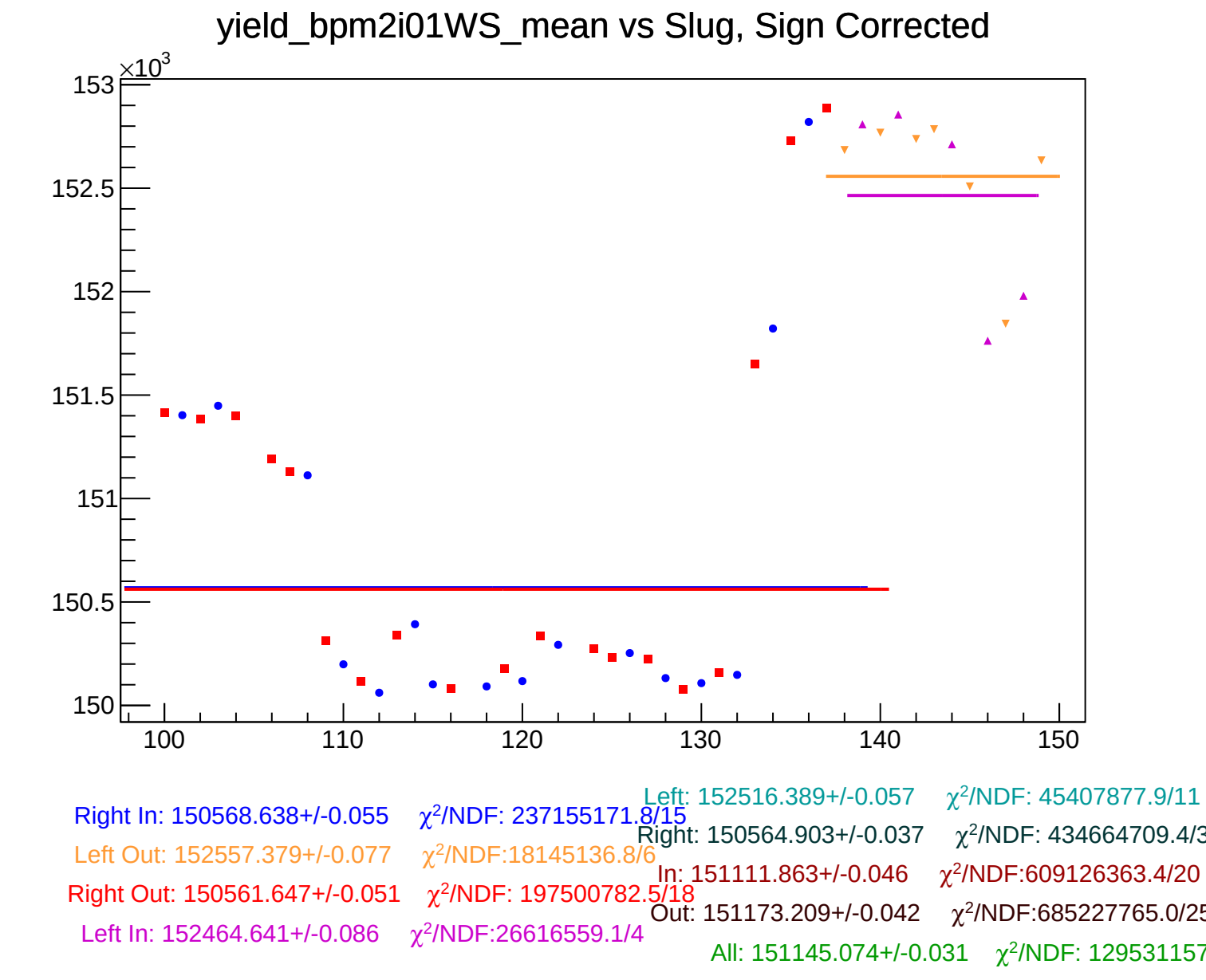
Left: 0.827+/-0.000 χ^2/NDF: 248889.0/11

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

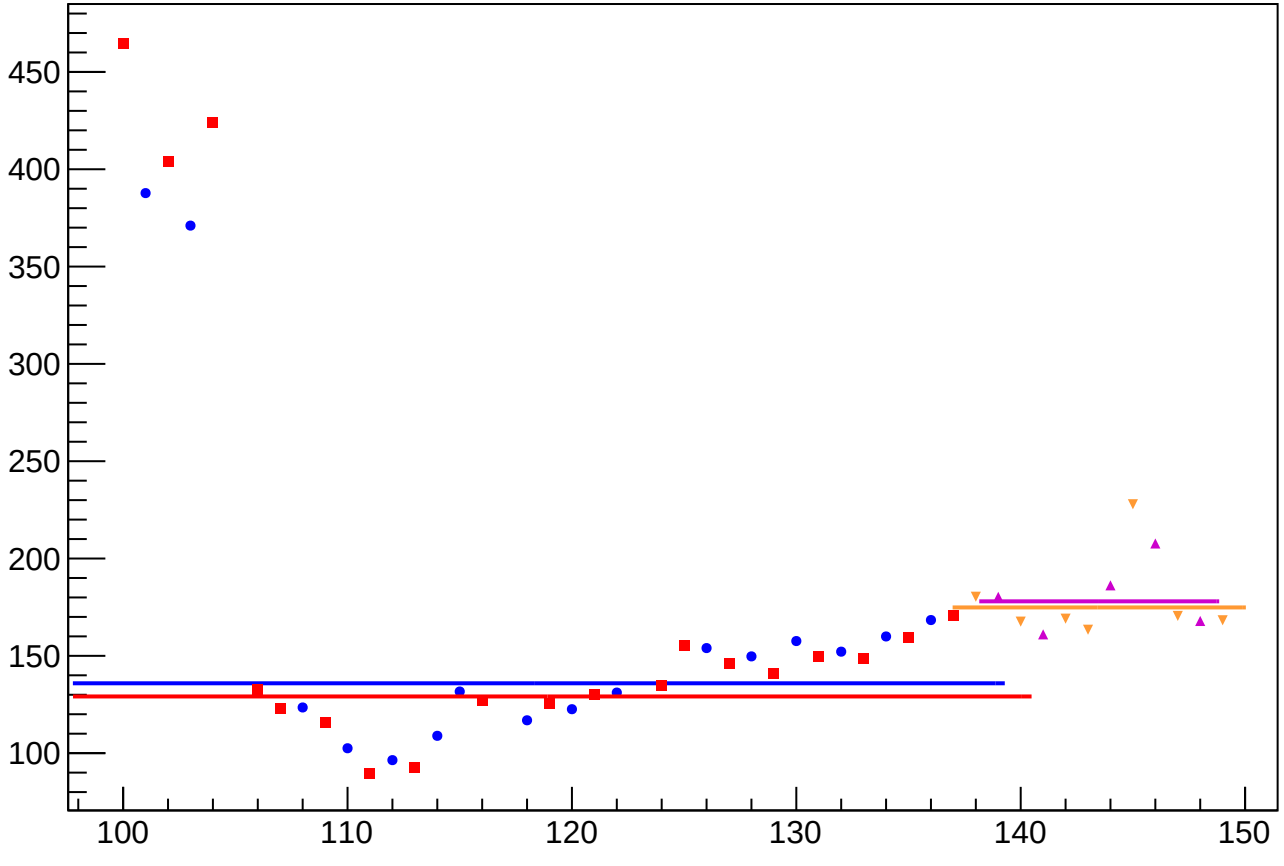
In: 0.853+/-0.000 χ^2/NDF:2408144.4/20

Out: 0.838+/-0.000 χ^2/NDF:2359883.1/25

All: 0.845+/-0.000 χ^2/NDF: 4770209.0/46


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
150
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152557.379+/-0.077 χ²/NDF:18145136.8/6
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152464.641+/-0.086 χ²/NDF:26616559.1/4
Left: 152516.389+/-0.057 χ²/NDF: 45407877.9/11
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 151111.863+/-0.046 χ²/NDF:609126363.4/20
Out: 151173.209+/-0.042 χ²/NDF:685227765.0/25
All: 151145.074+/-0.031 χ²/NDF: 12953115

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.869+/-0.054 χ^2/NDF:104214.5/6

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

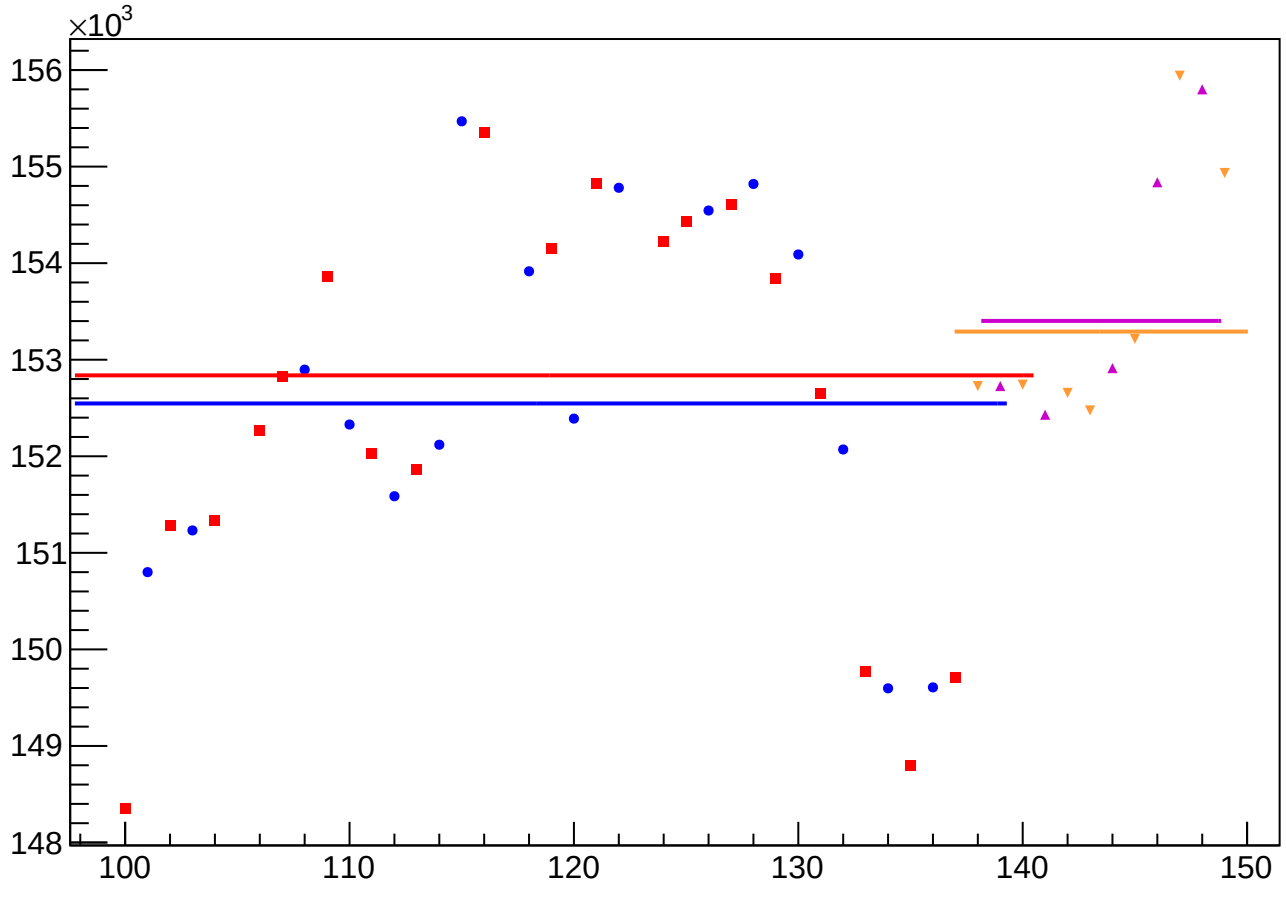
Left: 176.254+/-0.041 χ^2/NDF: 170411.4/11

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 147.960+/-0.033 χ^2/NDF:1821723.3/20

Out: 143.146+/-0.030 χ^2/NDF:2211808.2/25

All: 145.354+/-0.022 χ^2/NDF: 4045324.1/46



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153291.482+/-0.086 χ^2/NDF:163004599.2/6

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: 153339.137+/-0.065 χ^2/NDF: 310593509.8/11

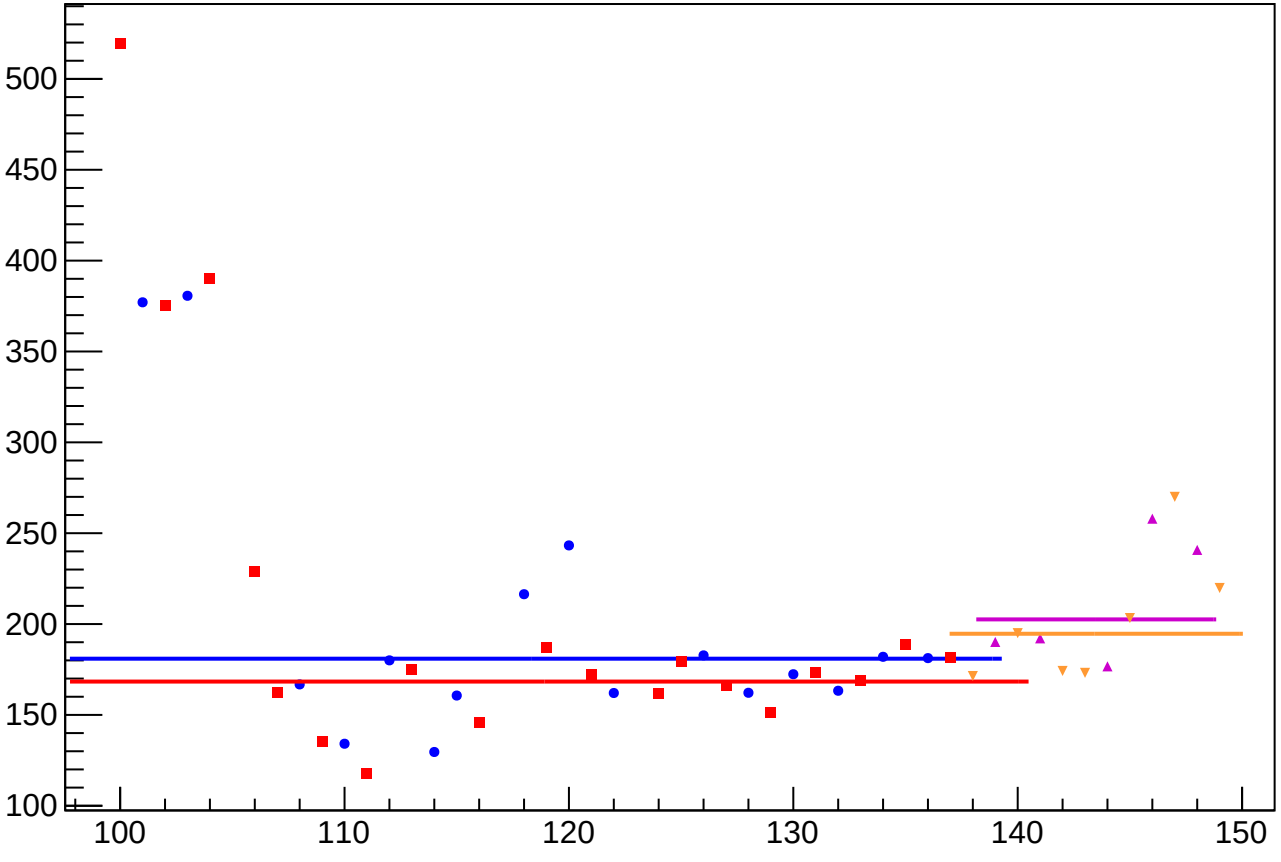
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152846.108+/-0.059 χ^2/NDF:849939827.1/20

Out: 153007.612+/-0.053 χ^2/NDF:917236920.1/25

All: 152935.274+/-0.039 χ^2/NDF: 17713791

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 194.661+/-0.061 χ^2/NDF:216131.5/6

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

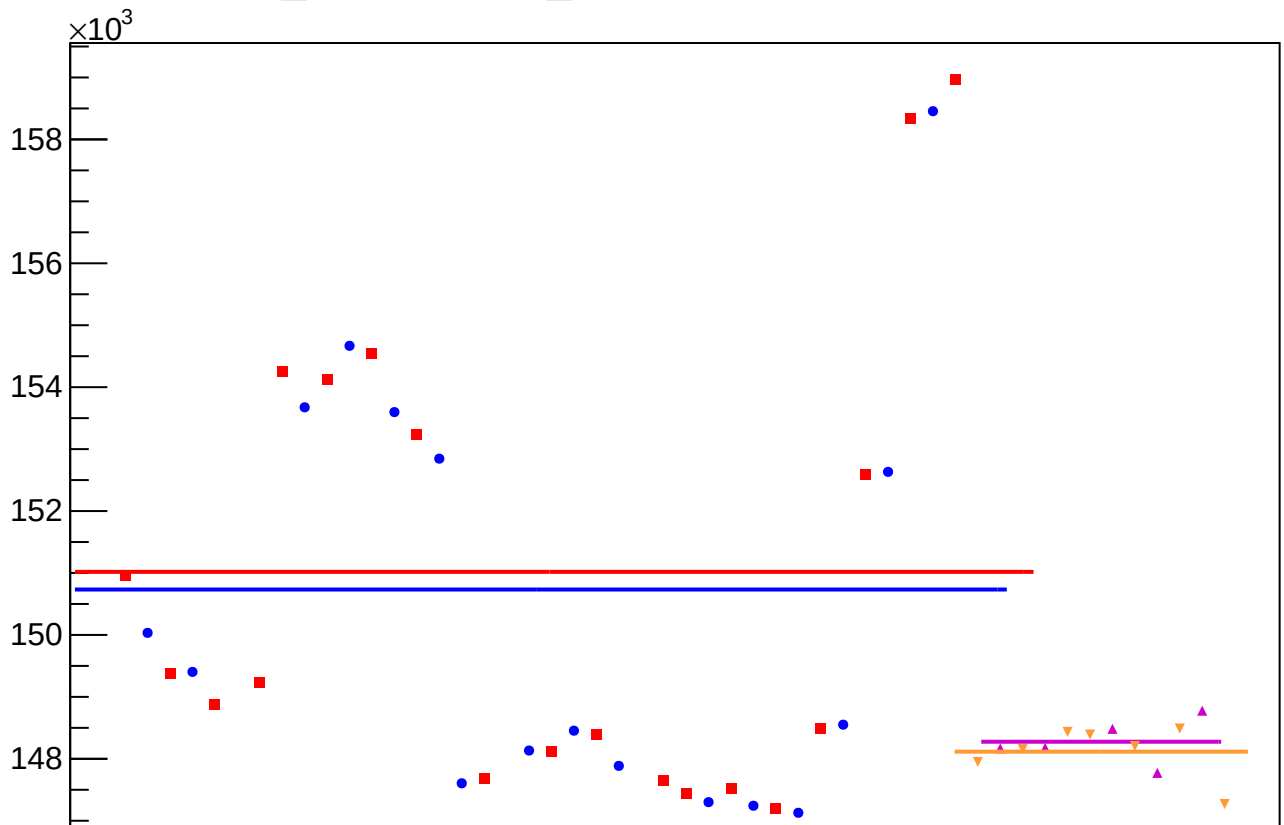
Left: 198.070+/-0.046 χ^2/NDF: 395115.6/11

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 188.506+/-0.041 χ^2/NDF:1141558.6/20

Out: 178.194+/-0.037 χ^2/NDF:1421814.6/25

All: 182.813+/-0.028 χ^2/NDF: 2597622.5/46



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148115.576+/-0.085 χ^2/NDF:19822202.3/6

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: 148186.023+/-0.064 χ^2/NDF: 30643547.7/11

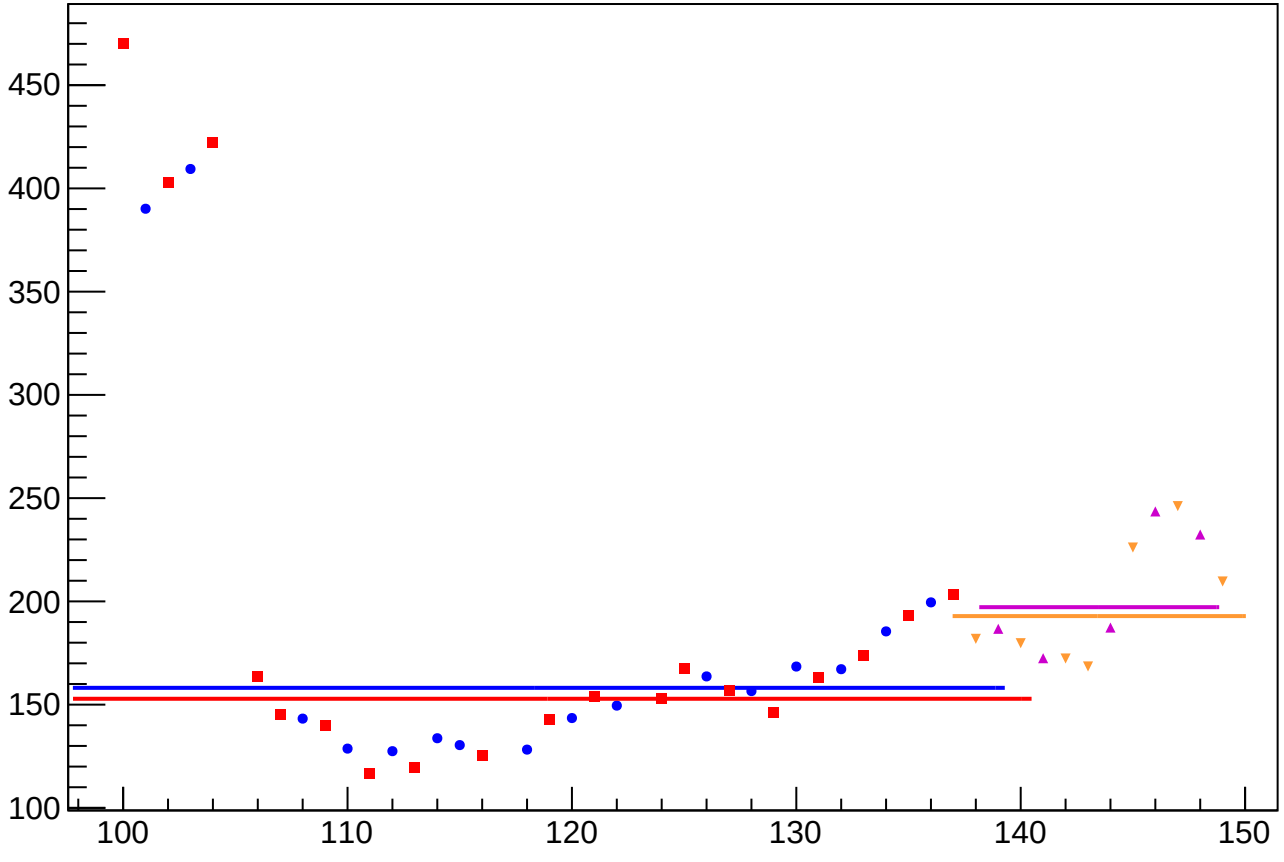
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 149993.779+/-0.053 χ^2/NDF:3752474100.6/20

Out: 150050.717+/-0.049 χ^2/NDF:4084896258.4/2

All: 150024.238+/-0.036 χ^2/NDF: 78379974

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 192.877+/-0.060 χ^2/NDF:181817.8/6

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.200+/-0.068 χ^2/NDF:147804.3/4

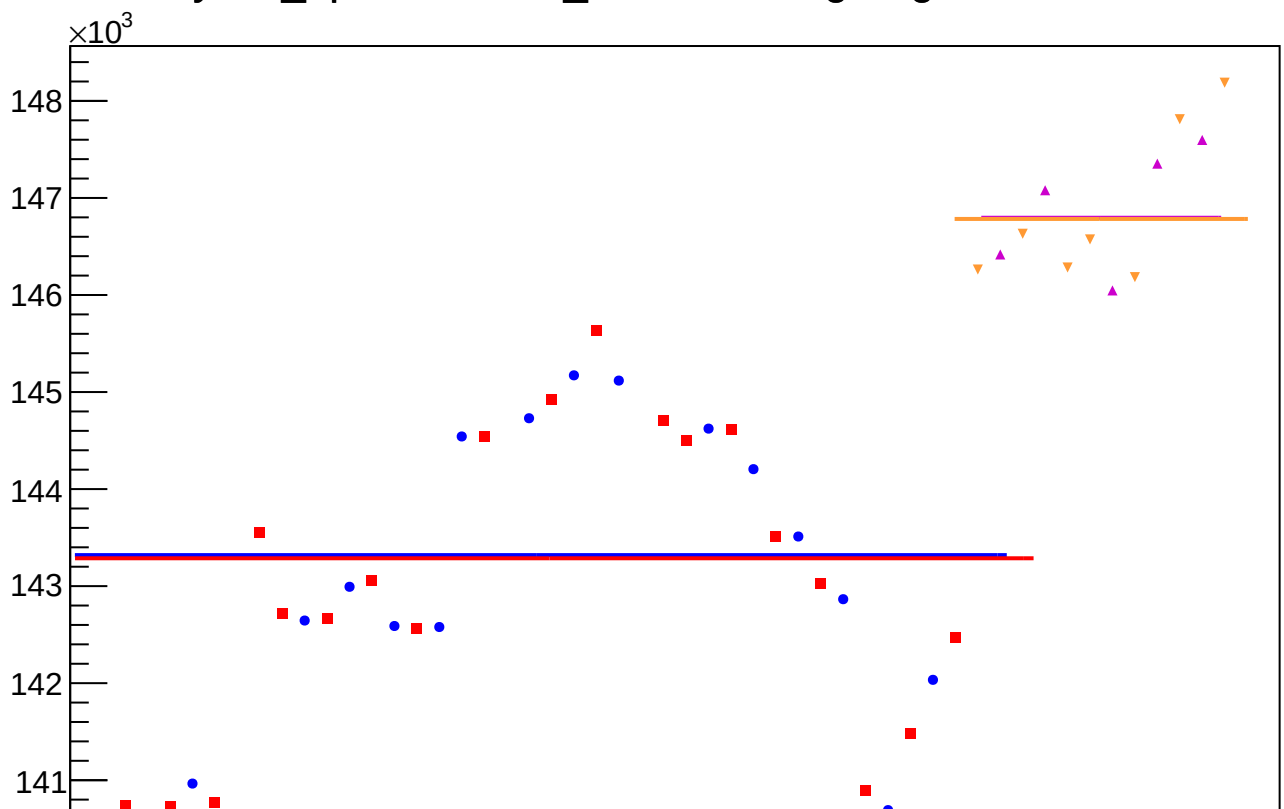
Left: 194.778+/-0.045 χ^2/NDF: 331900.7/11

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 169.893+/-0.037 χ^2/NDF:1575630.1/20

Out: 166.188+/-0.035 χ^2/NDF:1742380.5/25

All: 167.911+/-0.025 χ^2/NDF: 3323318.5/46



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146783.811+/-0.085 χ^2/NDF:66921214.3/6

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146796.011+/-0.095 χ^2/NDF:34674418.0/4

Left: 146789.197+/-0.063 χ^2/NDF: 101604795.9/11

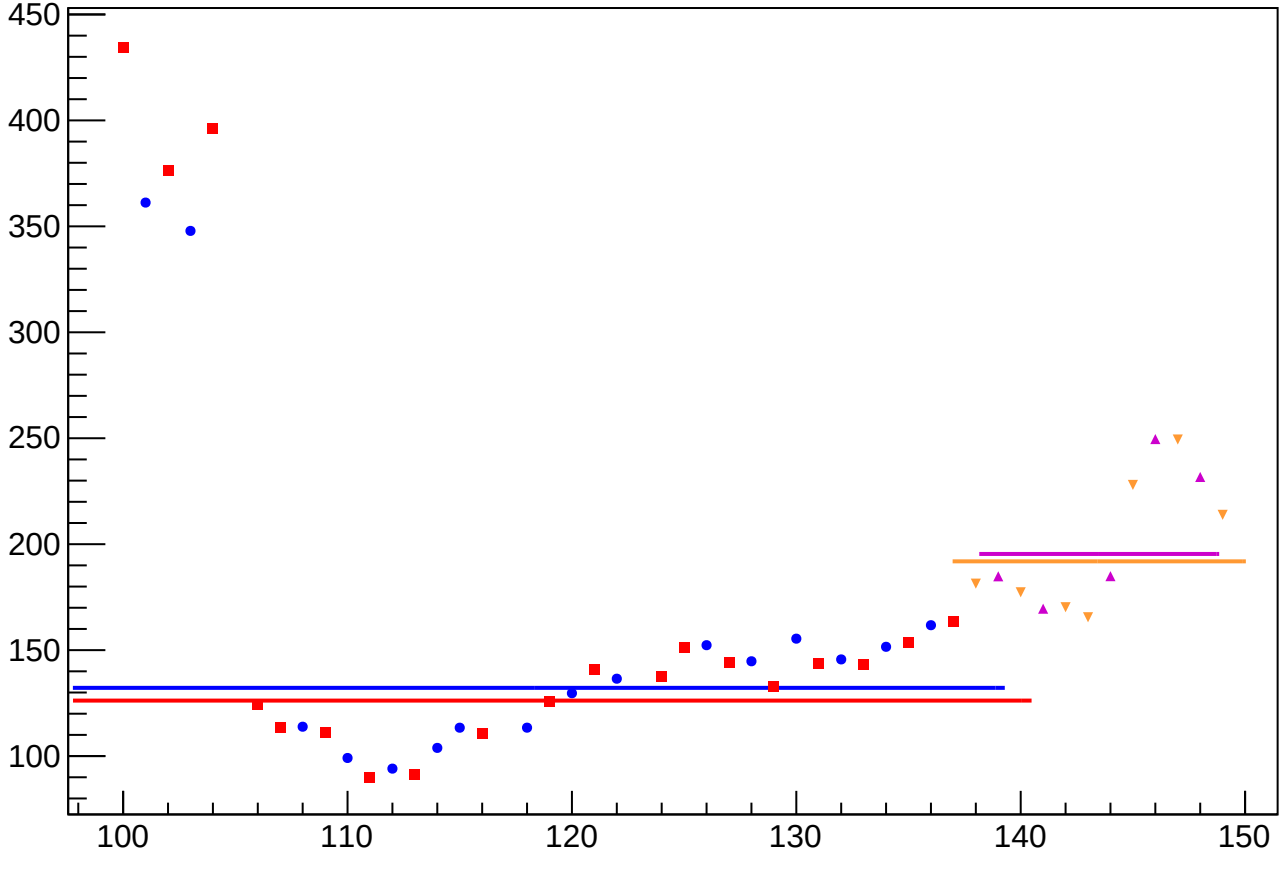
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144144.489+/-0.046 χ^2/NDF:1610007388.7/20

Out: 144183.058+/-0.043 χ^2/NDF:1955679825.9/2

All: 144165.296+/-0.031 χ^2/NDF: 356606001

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 191.902+/-0.060 χ^2/NDF:214737.4/6

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.391+/-0.067 χ^2/NDF:174697.8/4

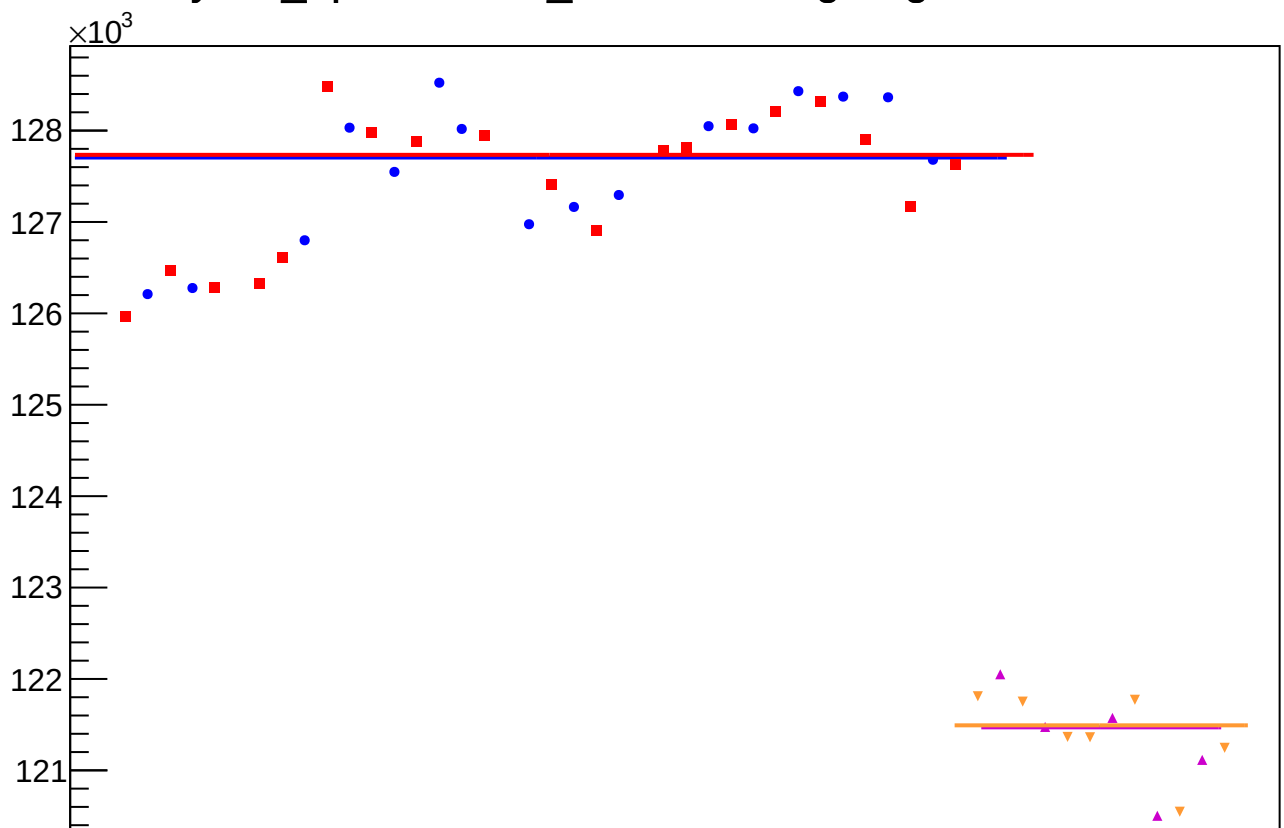
Left: 193.442+/-0.045 χ^2/NDF: 390934.4/11

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 147.197+/-0.033 χ^2/NDF:2225203.8/20

Out: 143.030+/-0.030 χ^2/NDF:2655435.7/25

All: 144.949+/-0.022 χ^2/NDF: 4889341.0/46



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121492.502+/-0.074 χ^2/NDF:20385807.2/6

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: 121482.798+/-0.055 χ^2/NDF: 50710361.7/11

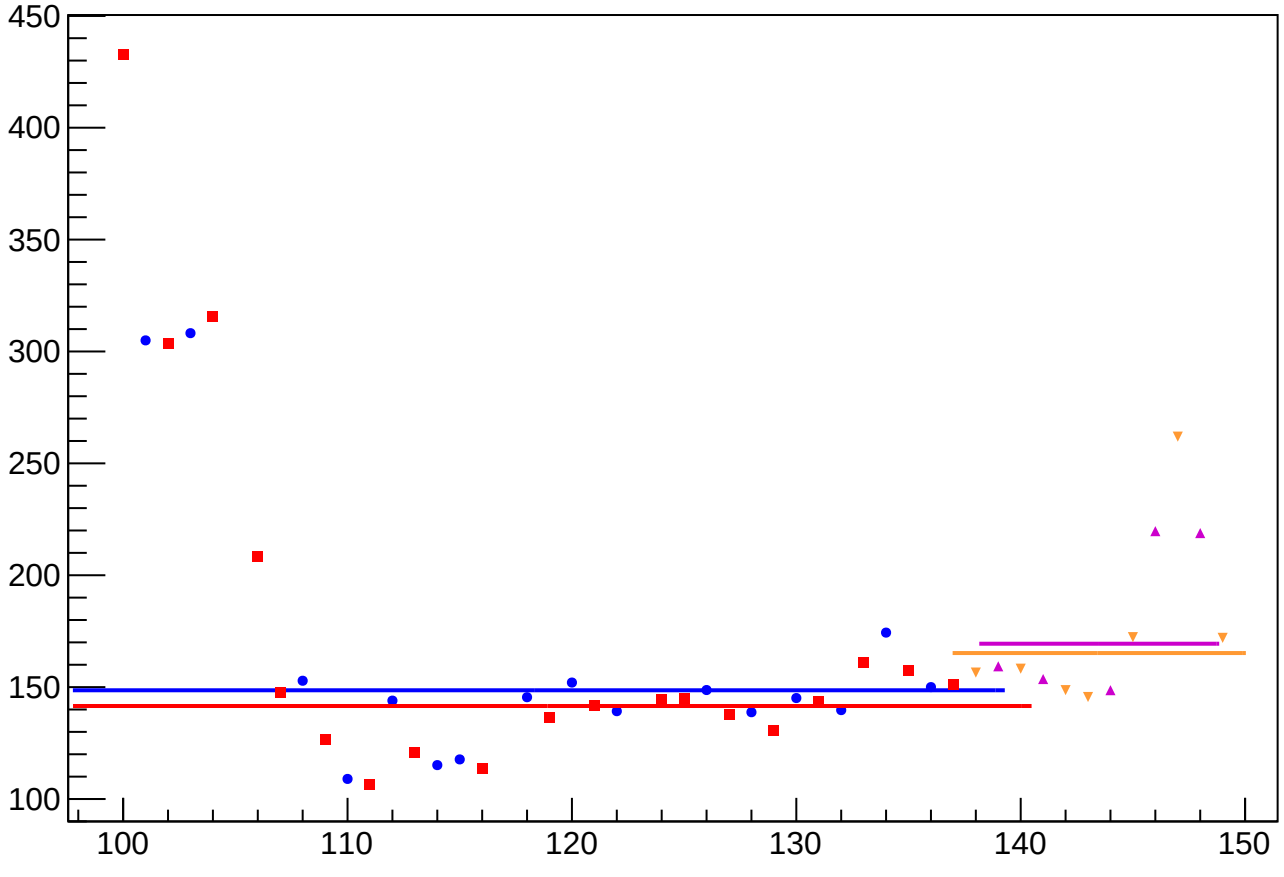
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 125656.231+/-0.048 χ^2/NDF:3878395822.8/20

Out: 125517.852+/-0.044 χ^2/NDF:4718432599.3/2

All: 125581.383+/-0.032 χ^2/NDF: 86013493

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 165.232+/-0.052 χ^2/NDF:273137.1/6

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.399+/-0.059 χ^2/NDF:231299.9/4

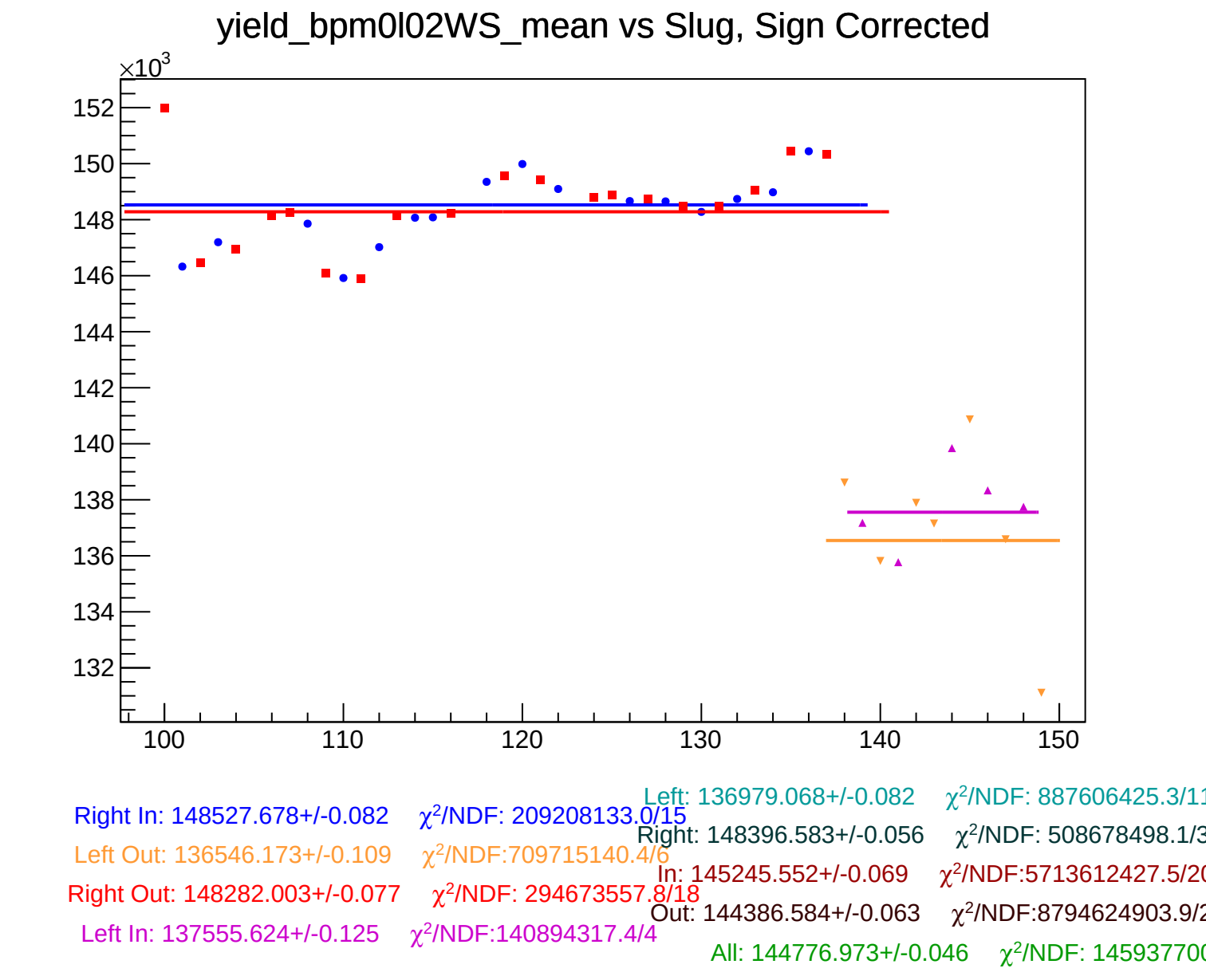
Left: 167.065+/-0.039 χ^2/NDF: 507226.1/11

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

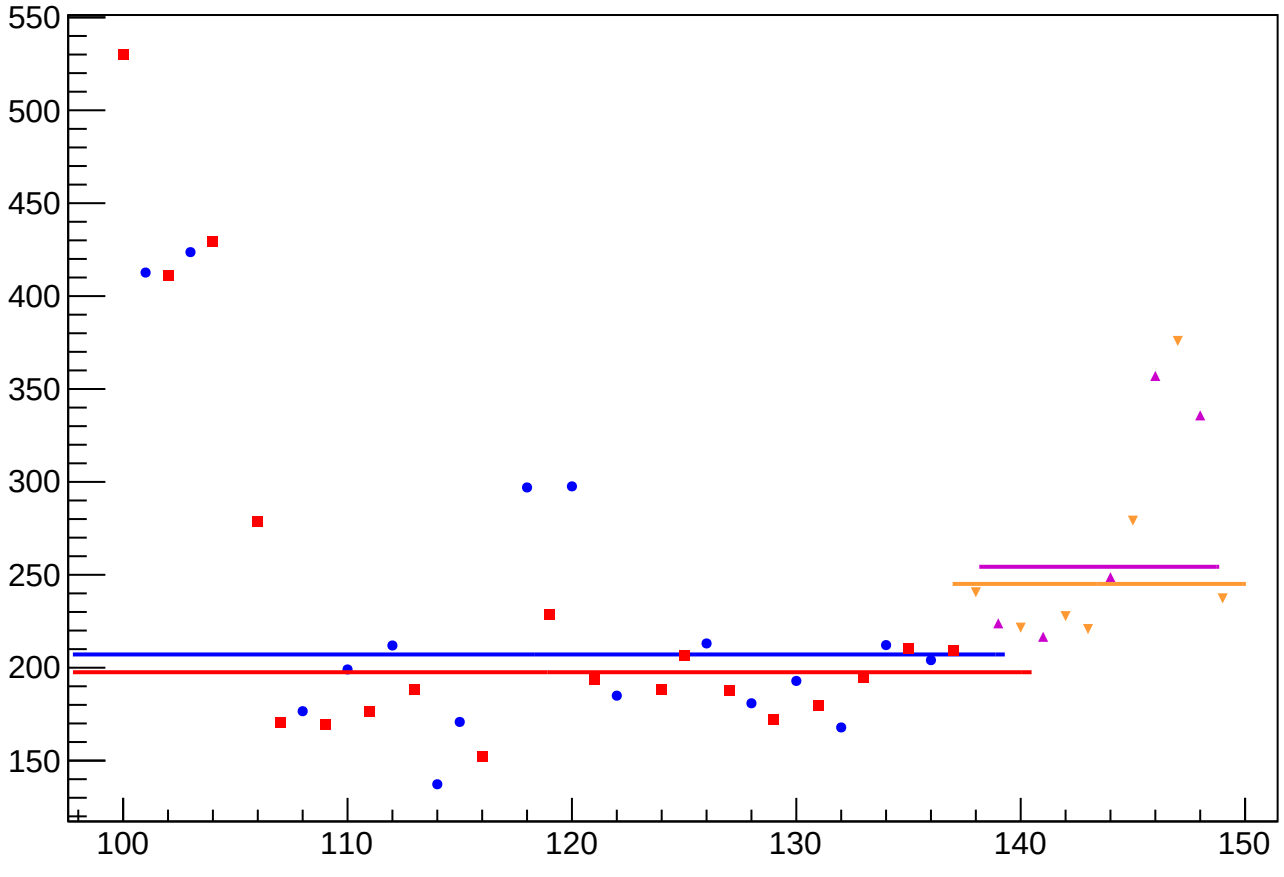
In: 155.431+/-0.034 χ^2/NDF:1142378.4/20

Out: 149.969+/-0.031 χ^2/NDF:1406317.9/25

All: 152.476+/-0.023 χ^2/NDF: 2562783.3/46


yield_bpm0l02WS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
140
138
136
134
132
100
110
120
130
140
150
Right In: 148527.678+/-0.082 χ²/NDF: 209208133.0/15
Left Out: 136546.173+/-0.109 χ²/NDF:709715140.4/6
Right Out: 148282.003+/-0.077 χ²/NDF: 294673557.8/18
Left In: 137555.624+/-0.125 χ²/NDF:140894317.4/4
Left: 136979.068+/-0.082 χ²/NDF: 887606425.3/11
Right: 148396.583+/-0.056 χ²/NDF: 508678498.1/3
In: 145245.552+/-0.069 χ²/NDF:5713612427.5/20
Out: 144386.584+/-0.063 χ²/NDF:8794624903.9/2
All: 144776.973+/-0.046 χ²/NDF: 14593770

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 245.105+/-0.077 χ^2/NDF:265955.5/6

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 254.315+/-0.089 χ^2/NDF:324144.9/4

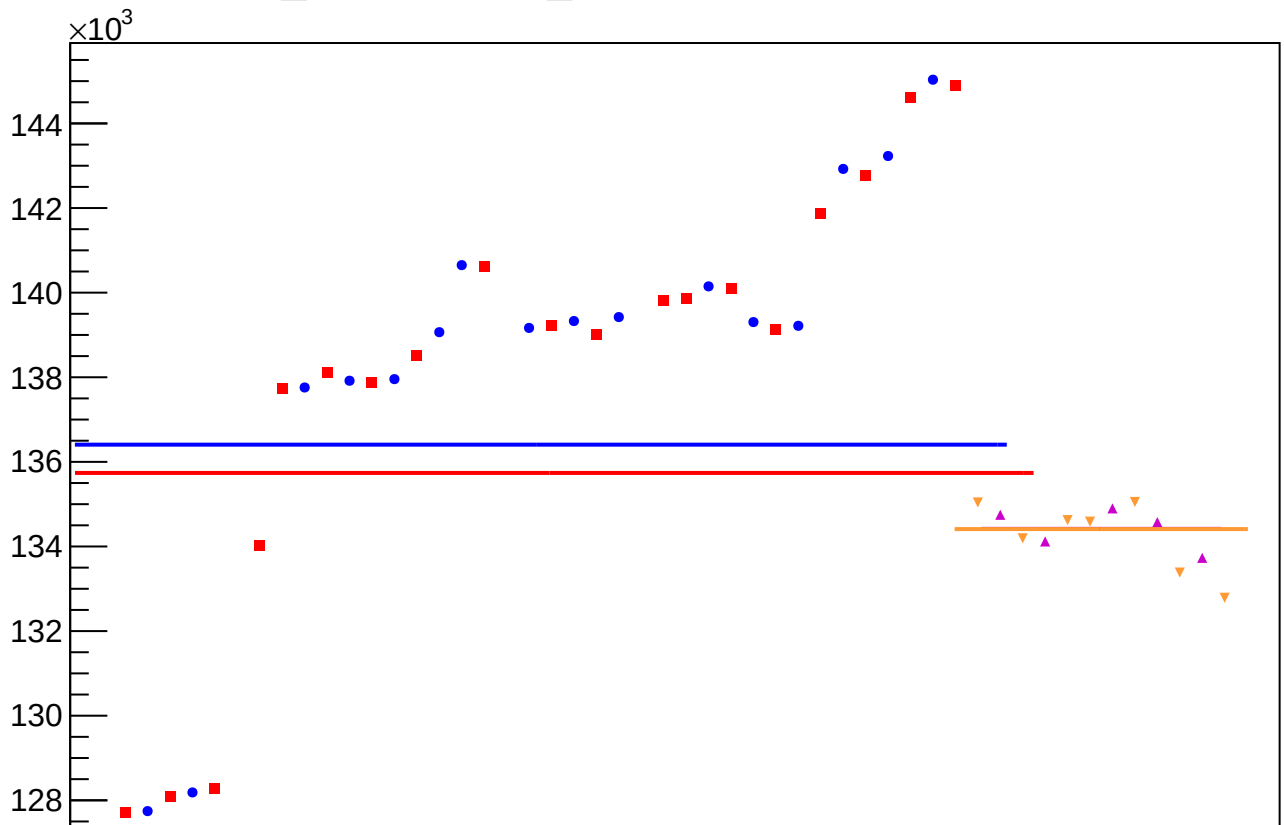
Left: 249.055+/-0.058 χ^2/NDF: 596260.9/11

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 221.248+/-0.049 χ^2/NDF:1494709.1/20

Out: 213.349+/-0.044 χ^2/NDF:1425550.3/25

All: 216.939+/-0.033 χ^2/NDF: 2934727.9/46



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134411.279+/-0.244 χ^2/NDF:9163525.0/6

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: 134413.420+/-0.185 χ^2/NDF: 11075326.7/11

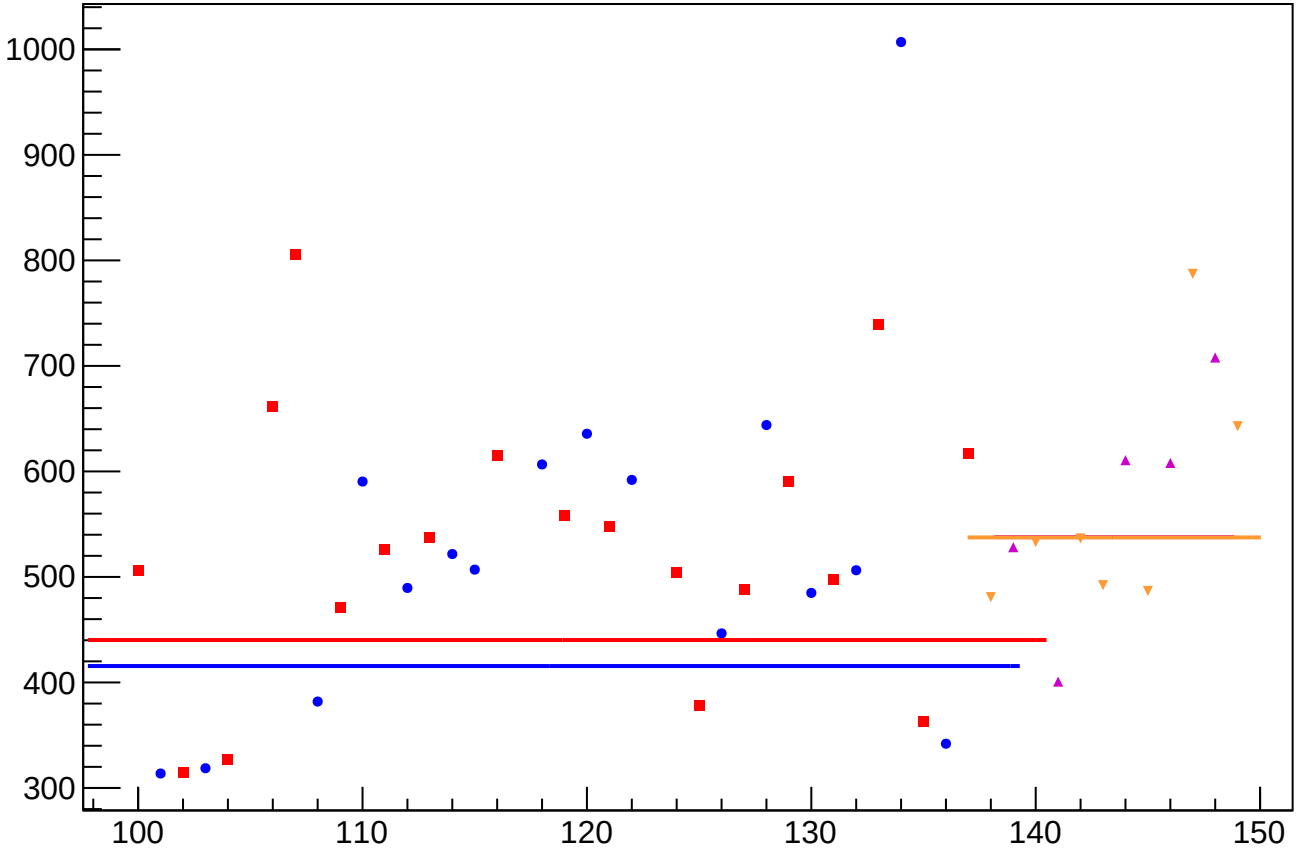
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 135886.947+/-0.145 χ^2/NDF:1615406038.5/20

Out: 135282.801+/-0.143 χ^2/NDF:1202659427.0/2

All: 135581.253+/-0.102 χ^2/NDF: 28268621

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 537.444+/-0.173 χ^2/NDF:239989.3/6

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 537.778+/-0.200 χ^2/NDF:285683.1/4

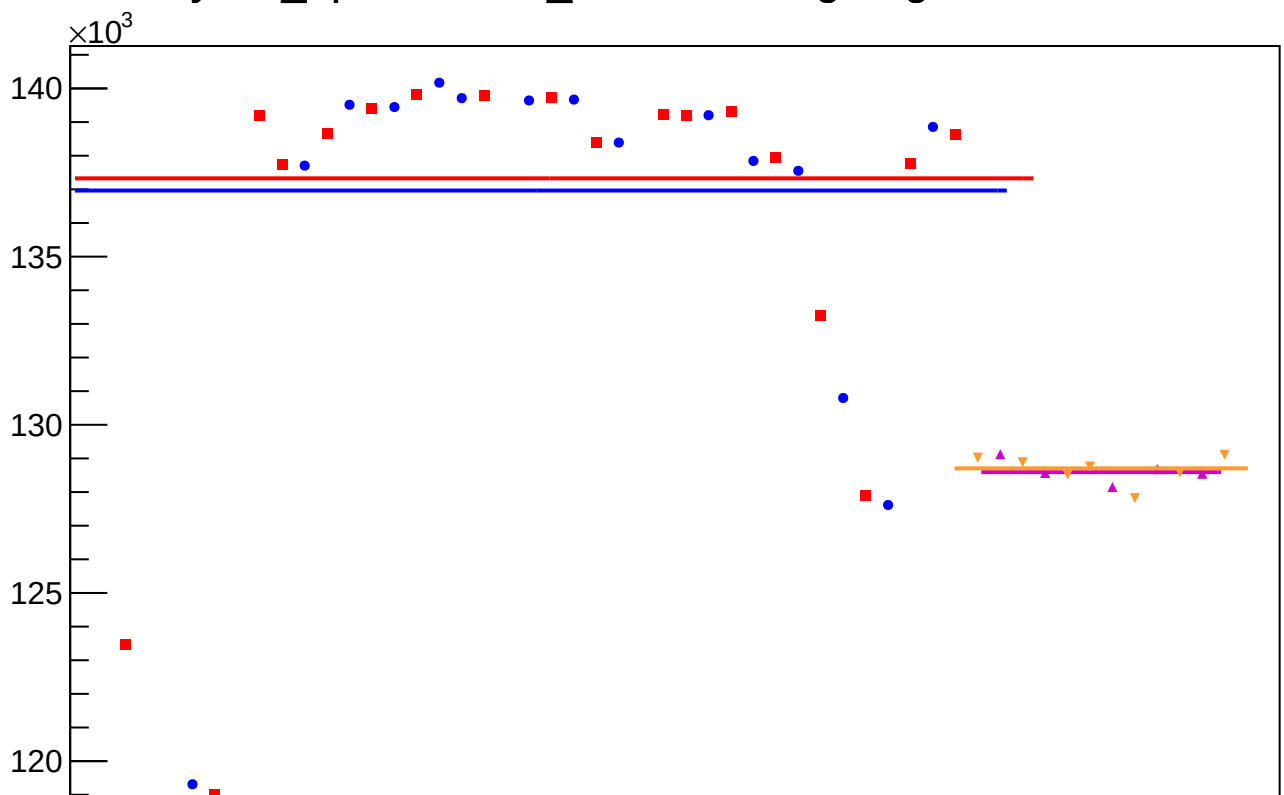
Left: 537.586+/-0.131 χ^2/NDF: 525673.9/11

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 447.476+/-0.102 χ^2/NDF:1591943.9/20

Out: 473.596+/-0.101 χ^2/NDF:1358722.5/25

All: 460.692+/-0.072 χ^2/NDF: 2983553.0/46



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128705.238+/-0.080 χ^2/NDF:25324348.8/6

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: 128655.803+/-0.060 χ^2/NDF: 40576569.6/11

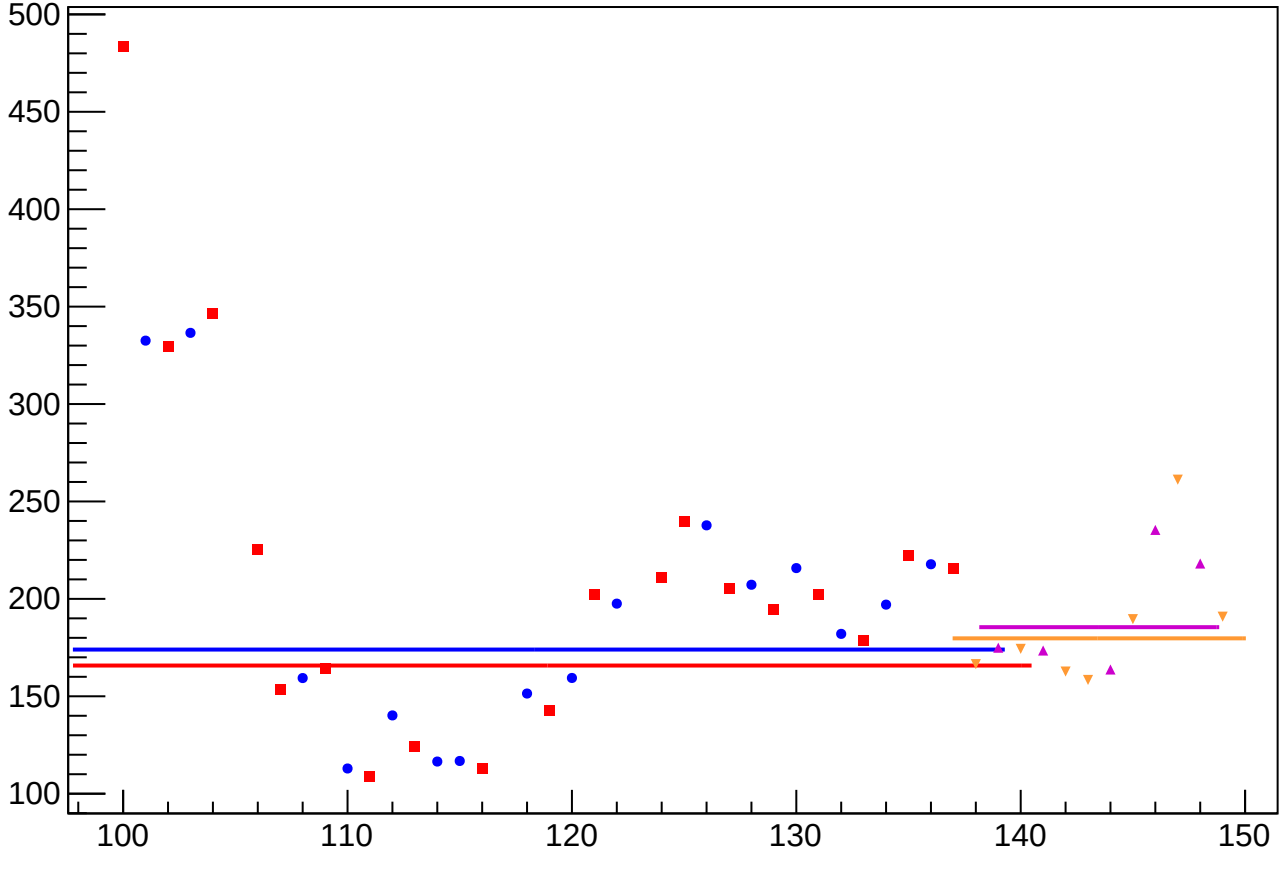
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 133846.992+/-0.055 χ^2/NDF:11191820032.1/2

Out: 133839.705+/-0.051 χ^2/NDF:12745140754.2/

All: 133843.033+/-0.037 χ^2/NDF: 2393697

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 179.736+/-0.056 χ^2/NDF:218320.8/6

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.473+/-0.064 χ^2/NDF:160814.9/4

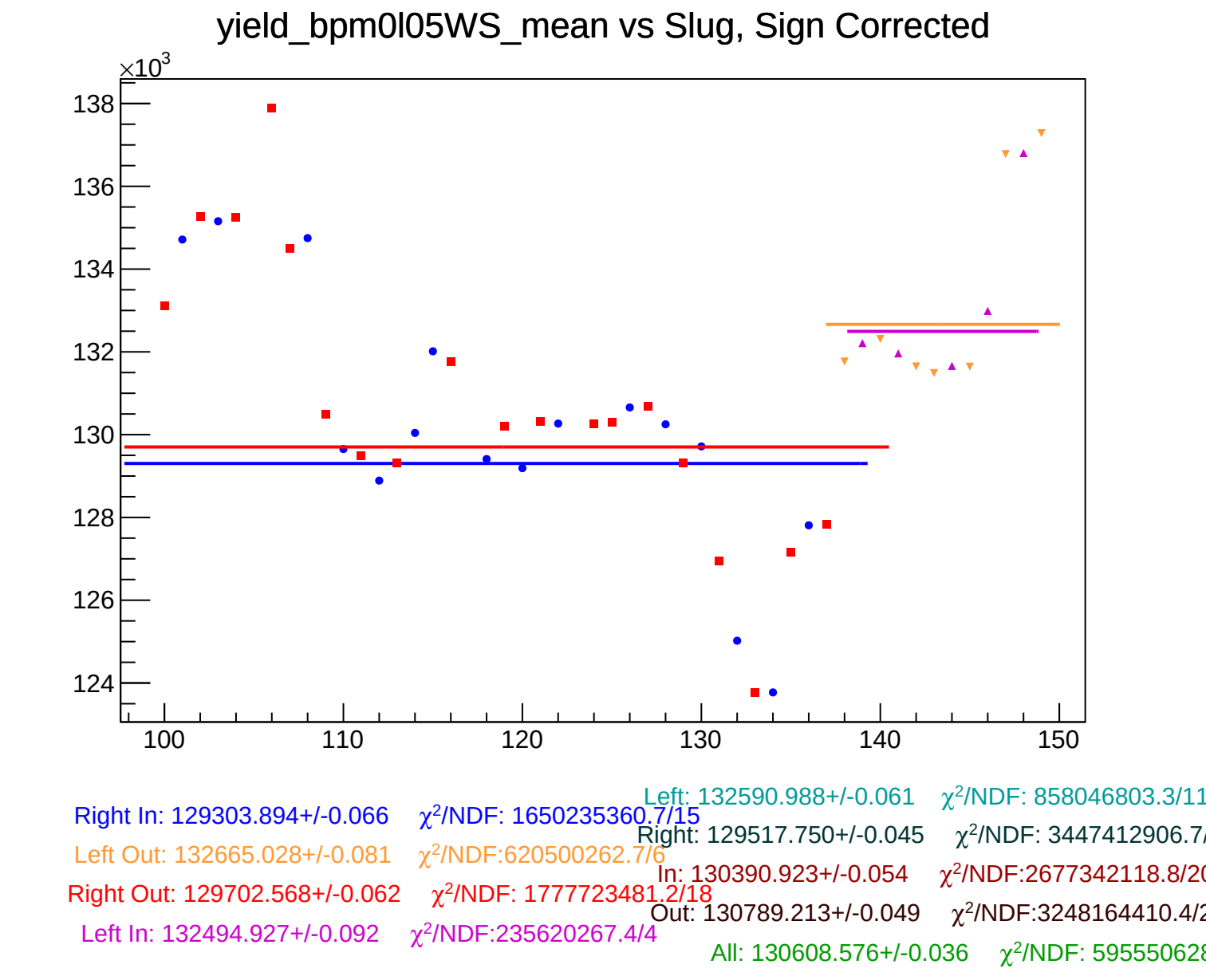
Left: 182.239+/-0.042 χ^2/NDF: 383664.3/11

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

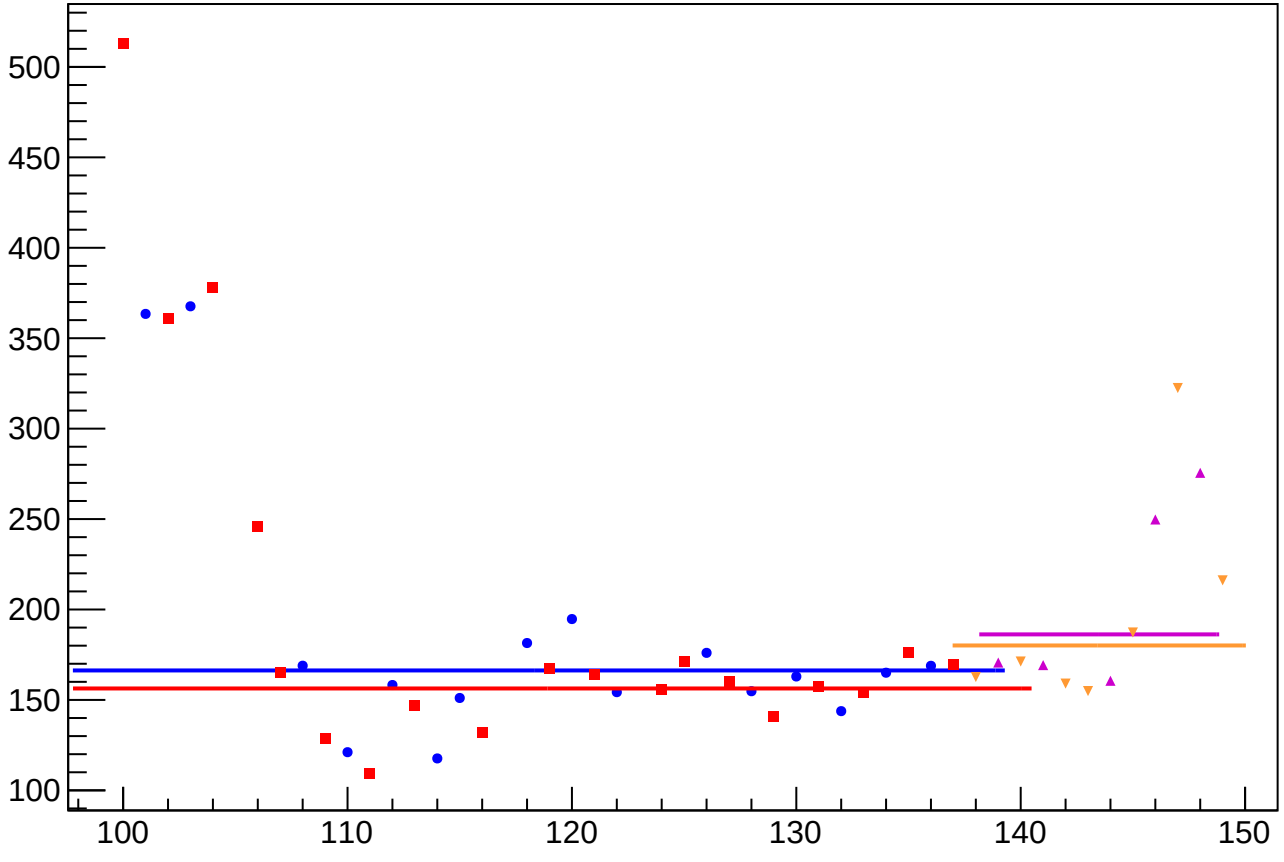
In: 178.261+/-0.039 χ^2/NDF:1369536.4/20

Out: 171.426+/-0.036 χ^2/NDF:1688067.4/25

All: 174.547+/-0.026 χ^2/NDF: 3074241.4/46


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
138
136
134
132
130
128
126
124
100
110
120
130
140
150
Right In: 129303.894+/-0.066 χ²/NDF: 1650235360.7/15
Left Out: 132665.028+/-0.081 χ²/NDF:620500262.7/6
Right Out: 129702.568+/-0.062 χ²/NDF: 1777723481.2/18
Left In: 132494.927+/-0.092 χ²/NDF:235620267.4/4
Left: 132590.988+/-0.061 χ²/NDF: 858046803.3/11
Right: 129517.750+/-0.045 χ²/NDF: 3447412906.7/
In: 130390.923+/-0.054 χ²/NDF:2677342118.8/20
Out: 130789.213+/-0.049 χ²/NDF:3248164410.4/2
All: 130608.576+/-0.036 χ²/NDF: 595550628

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 180.112+/-0.057 χ^2/NDF:444398.9/6

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.240+/-0.065 χ^2/NDF:359120.2/4

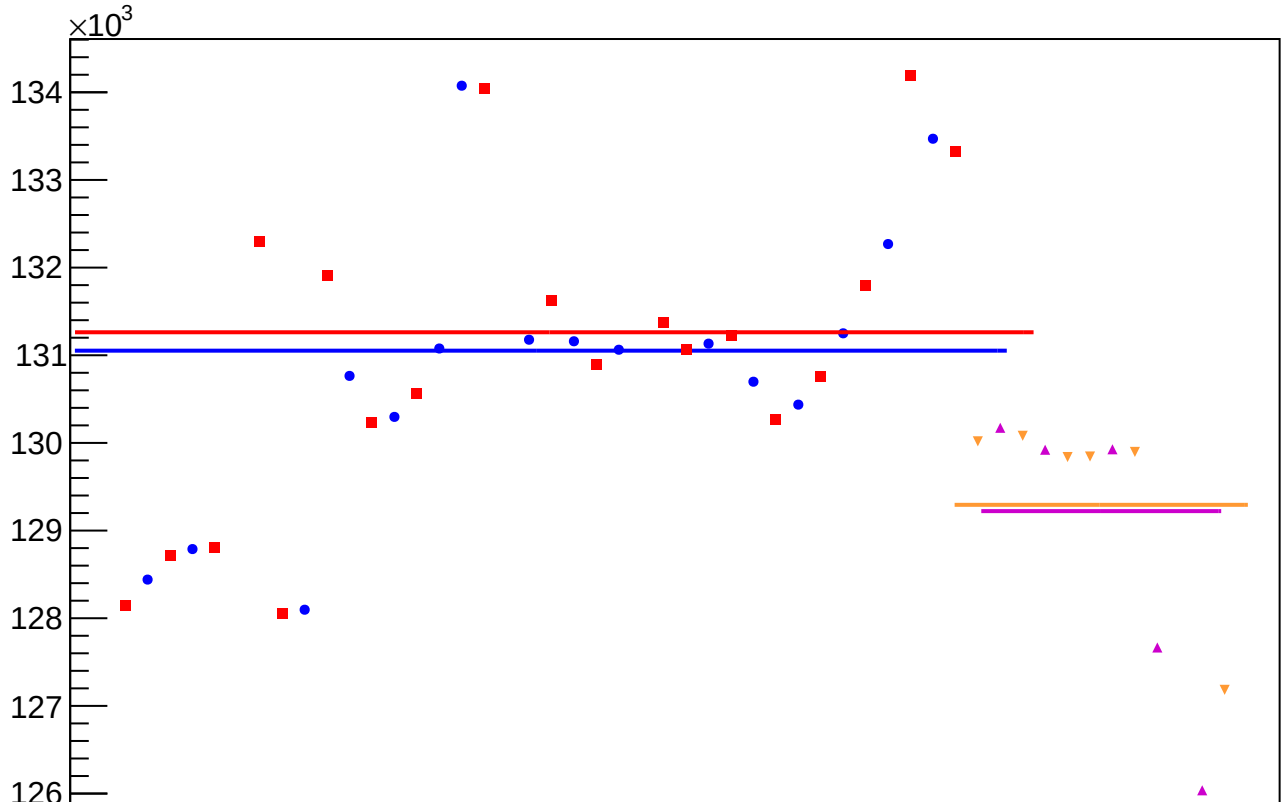
Left: 182.779+/-0.043 χ^2/NDF: 808518.6/11

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 173.094+/-0.038 χ^2/NDF:1358861.4/20

Out: 165.056+/-0.035 χ^2/NDF:1726745.4/25

All: 168.701+/-0.026 χ^2/NDF: 3110044.4/46



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129293.803+/-0.076 χ^2/NDF:303781087.3/6

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: 129262.749+/-0.057 χ^2/NDF: 572959774.9/1

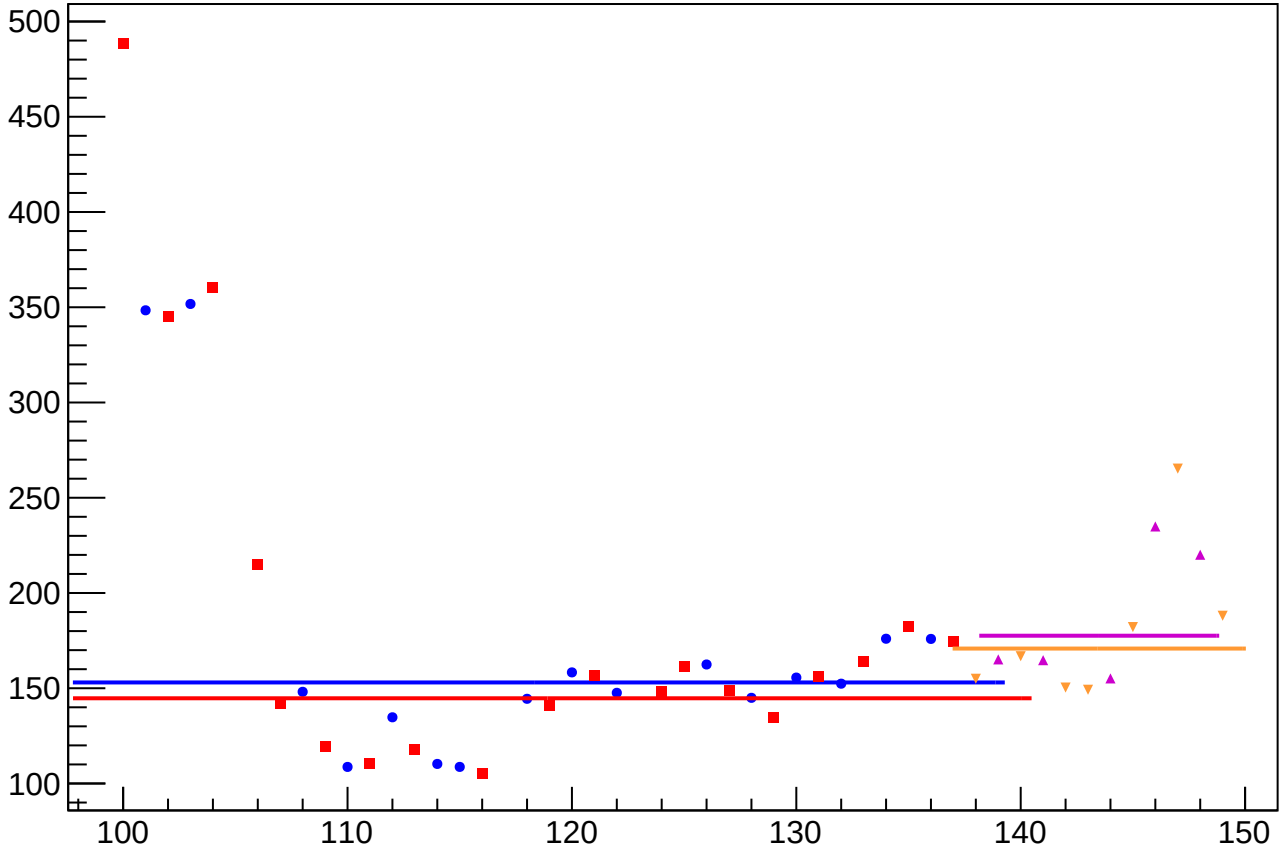
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130453.950+/-0.050 χ^2/NDF:1090415140.6/2

Out: 130557.691+/-0.045 χ^2/NDF:1339985286.6/2

All: 130510.547+/-0.034 χ^2/NDF: 24327727

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 170.832+/-0.054 χ^2/NDF:293525.5/6

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 177.574+/-0.062 χ^2/NDF:221526.8/4

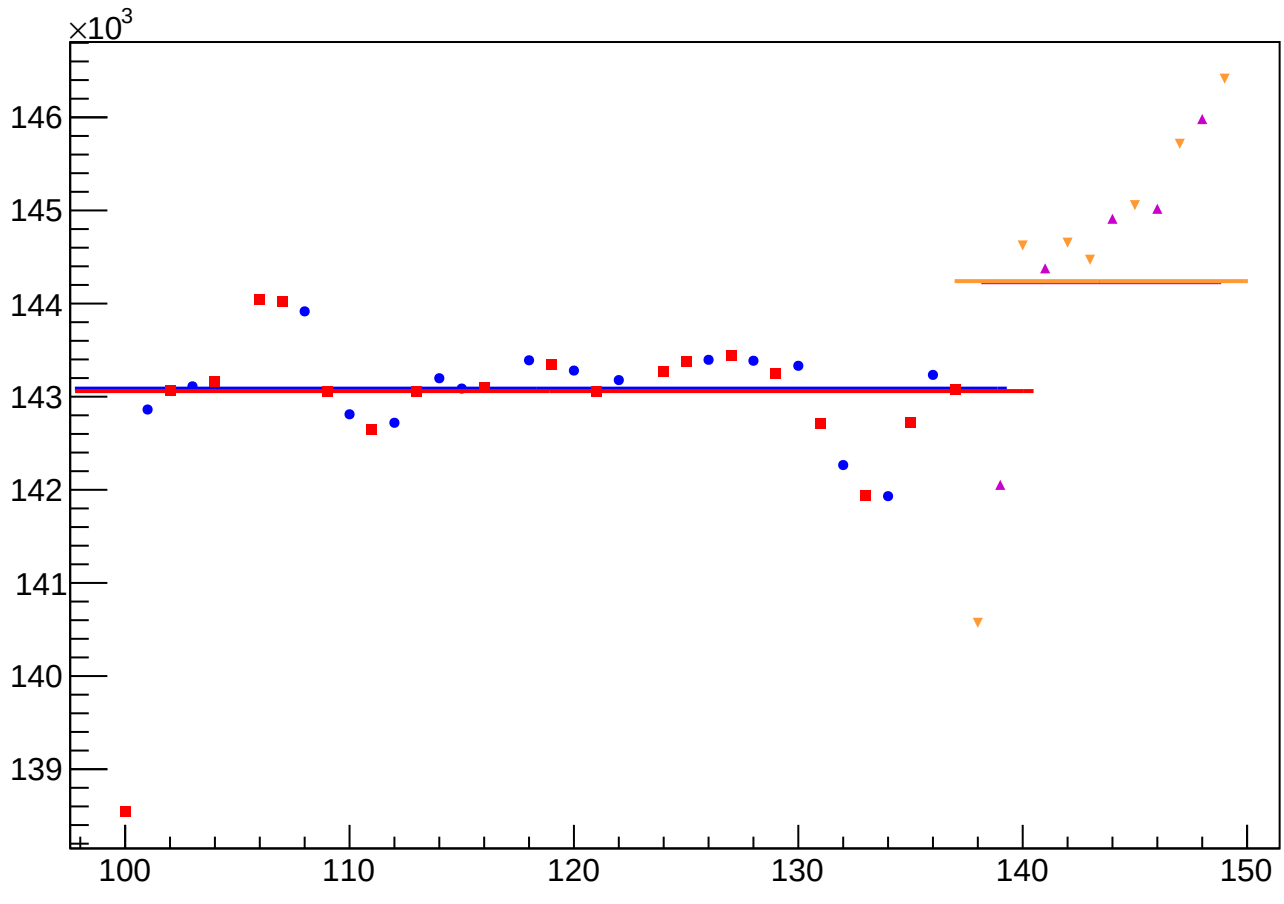
Left: 173.746+/-0.040 χ^2/NDF: 521872.7/11

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 161.063+/-0.035 χ^2/NDF:1388012.6/20

Out: 154.073+/-0.032 χ^2/NDF:1708841.2/25

All: 157.250+/-0.024 χ^2/NDF: 3118396.1/46



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144240.891+/-0.090 χ^2/NDF:435868235.5/6

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144229.339+/-0.102 χ^2/NDF:166669714.7/4

Left: 144235.863+/-0.067 χ^2/NDF: 602545188.4/1

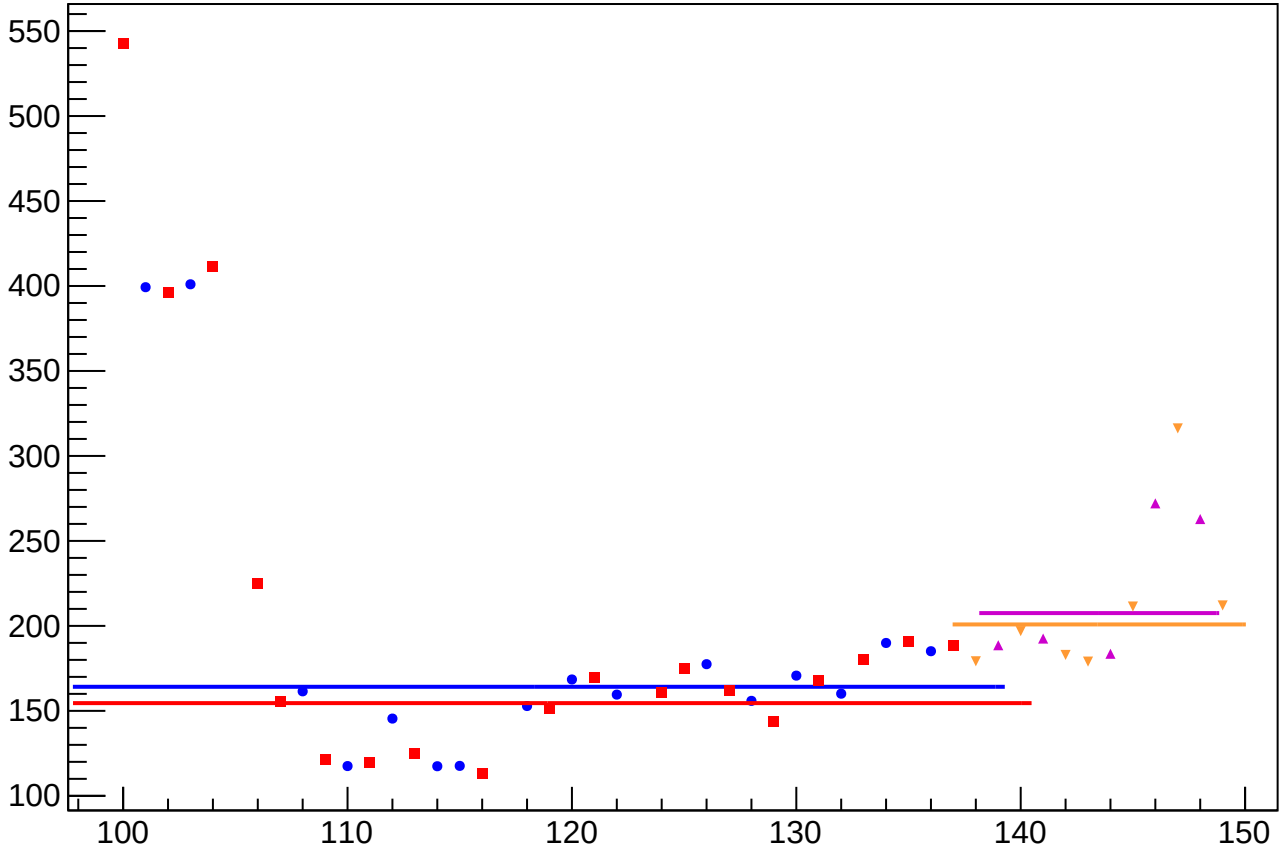
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143416.956+/-0.055 χ^2/NDF:302561710.6/20

Out: 143431.370+/-0.050 χ^2/NDF:606671468.6/25

All: 143424.799+/-0.037 χ^2/NDF: 90927072

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 200.855+/-0.063 χ^2/NDF:280974.9/6

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.531+/-0.072 χ^2/NDF:227081.5/4

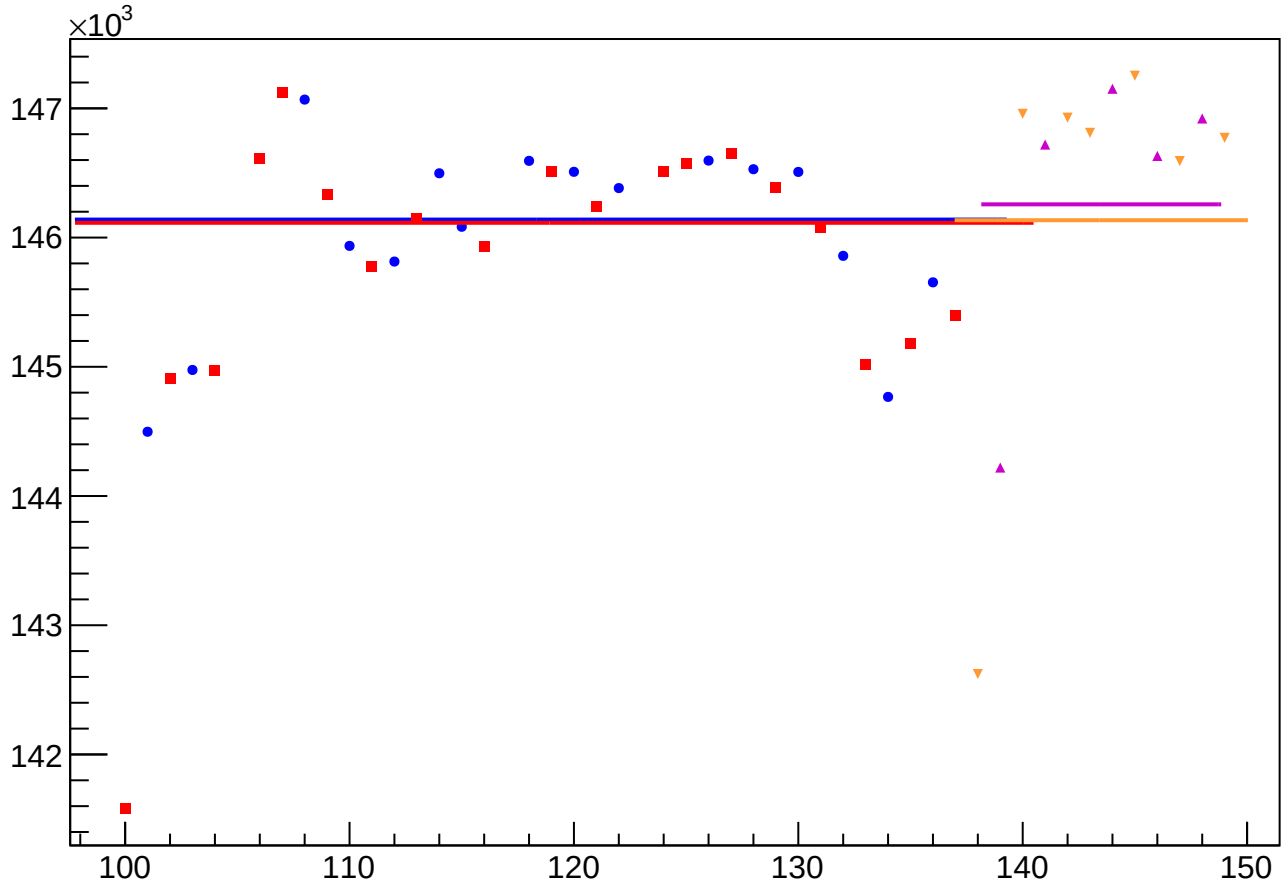
Left: 203.761+/-0.048 χ^2/NDF: 512890.2/11

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 176.706+/-0.039 χ^2/NDF:1613591.4/20

Out: 169.110+/-0.036 χ^2/NDF:2014063.1/25

All: 172.573+/-0.026 χ^2/NDF: 3648507.0/46



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146134.356+/-0.088 χ^2/NDF:354057769.2/6

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: 146187.390+/-0.066 χ^2/NDF: 486401354.3/11

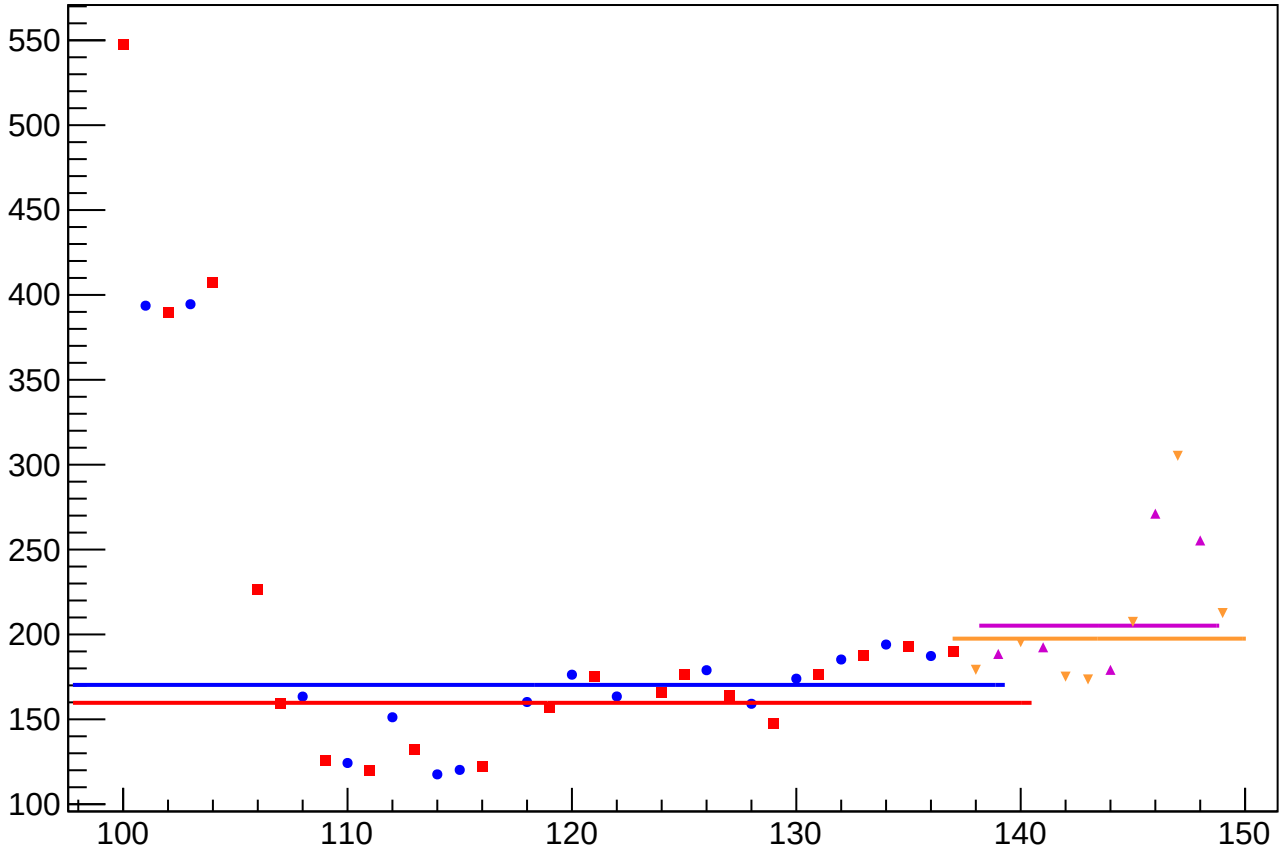
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146175.628+/-0.056 χ^2/NDF:204168276.4/20

Out: 146121.132+/-0.051 χ^2/NDF:427193853.2/25

All: 146145.787+/-0.038 χ^2/NDF: 63188002

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 197.530+/-0.062 χ^2/NDF:276075.0/6

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.173+/-0.071 χ^2/NDF:222923.7/4

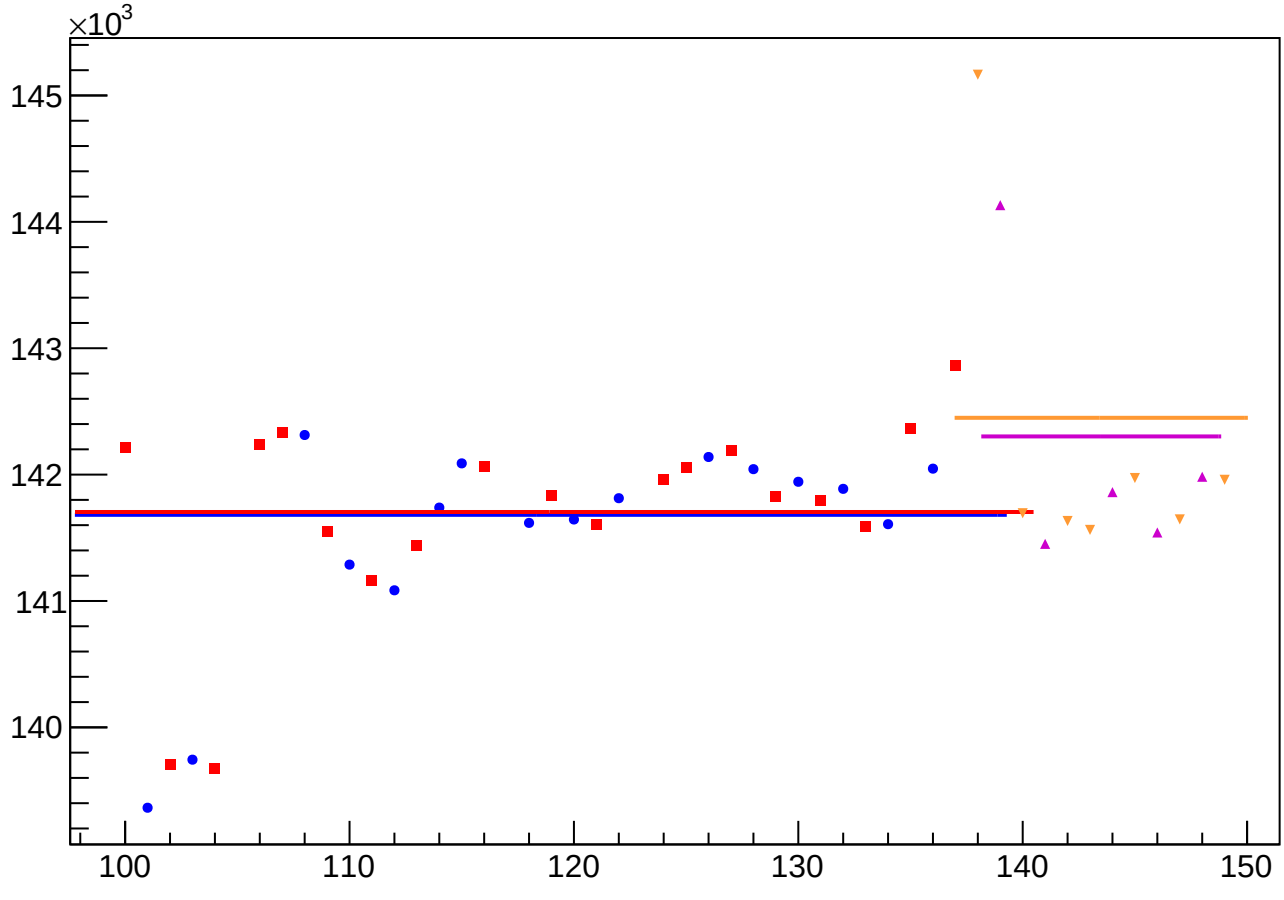
Left: 200.831+/-0.047 χ^2/NDF: 505522.5/11

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 181.048+/-0.040 χ^2/NDF:1446035.5/20

Out: 172.404+/-0.036 χ^2/NDF:1812970.7/25

All: 176.315+/-0.027 χ^2/NDF: 3285063.2/46



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142449.482+/-0.096 χ^2/NDF:204851920.5/6

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142302.098+/-0.110 χ^2/NDF:92690511.0/4

Left: 142385.544+/-0.072 χ^2/NDF: 298561234.5/11

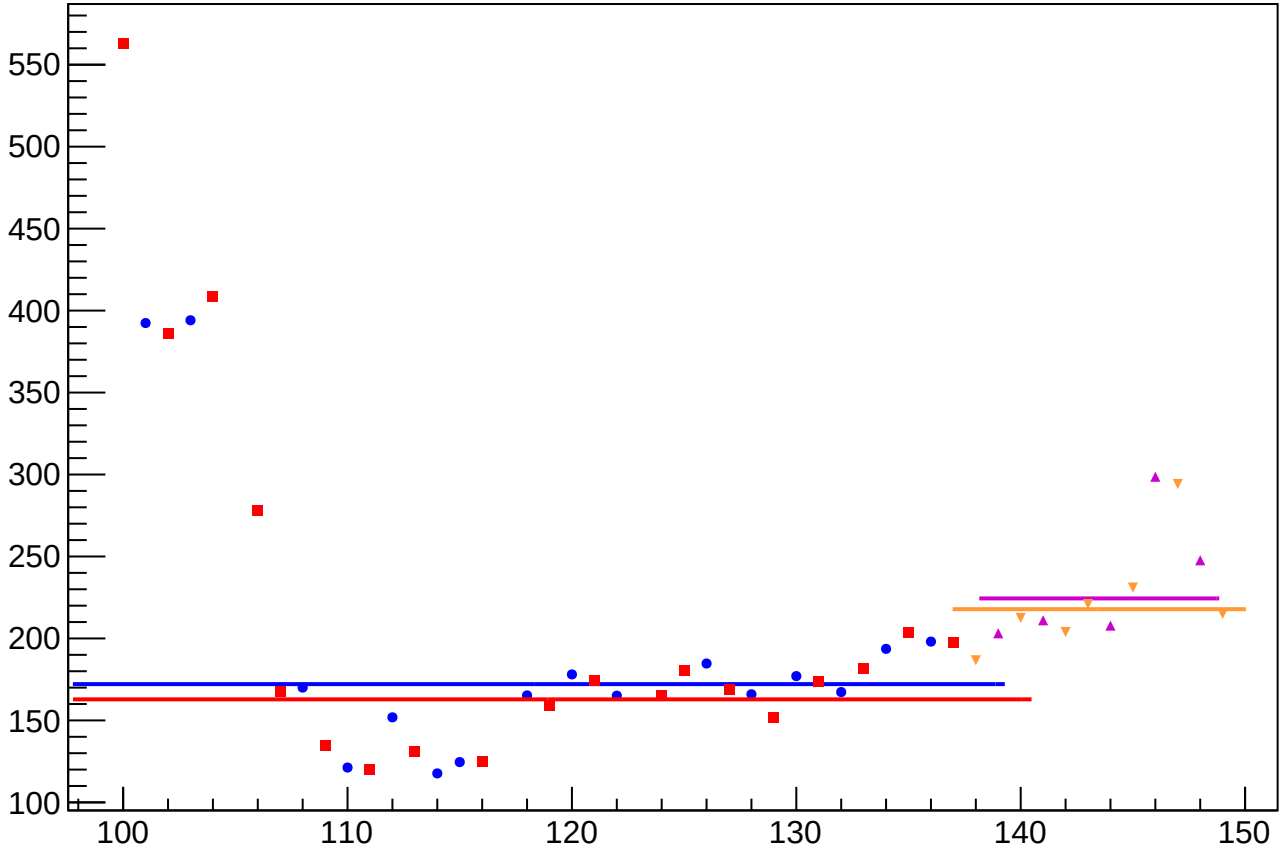
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141854.616+/-0.058 χ^2/NDF:179975558.6/20

Out: 141931.906+/-0.053 χ^2/NDF:312082956.5/25

All: 141896.610+/-0.039 χ^2/NDF: 49302380

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.858+/-0.068 χ^2/NDF:163805.7/6

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.421+/-0.078 χ^2/NDF:158015.5/4

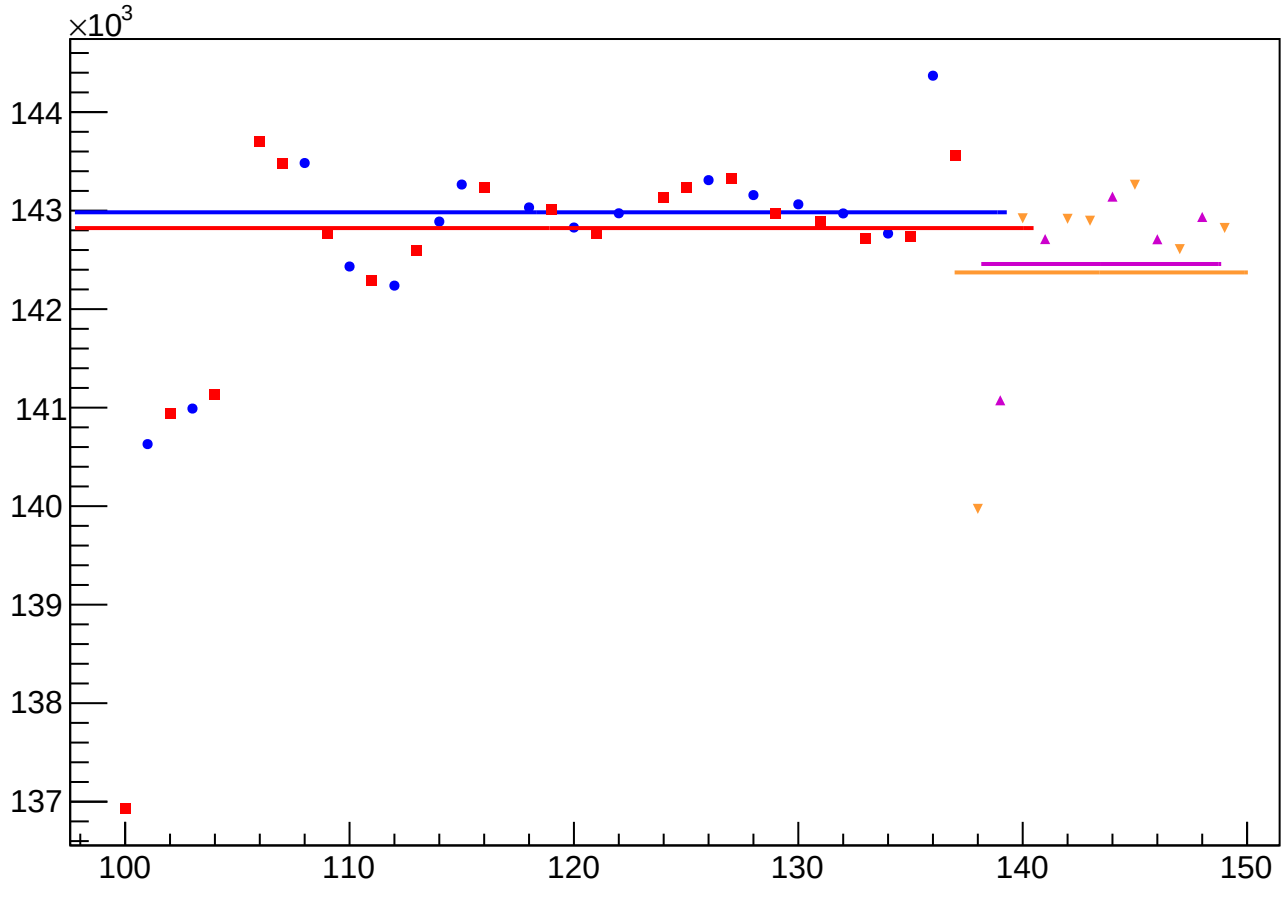
Left: 220.705+/-0.051 χ^2/NDF: 325862.2/11

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 186.702+/-0.041 χ^2/NDF:1553325.9/20

Out: 179.654+/-0.038 χ^2/NDF:1924105.2/25

All: 182.872+/-0.028 χ^2/NDF: 3493486.1/46



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142372.543+/-0.086 χ^2/NDF:185016597.7/6

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: 142409.593+/-0.065 χ^2/NDF: 251866599.9/11

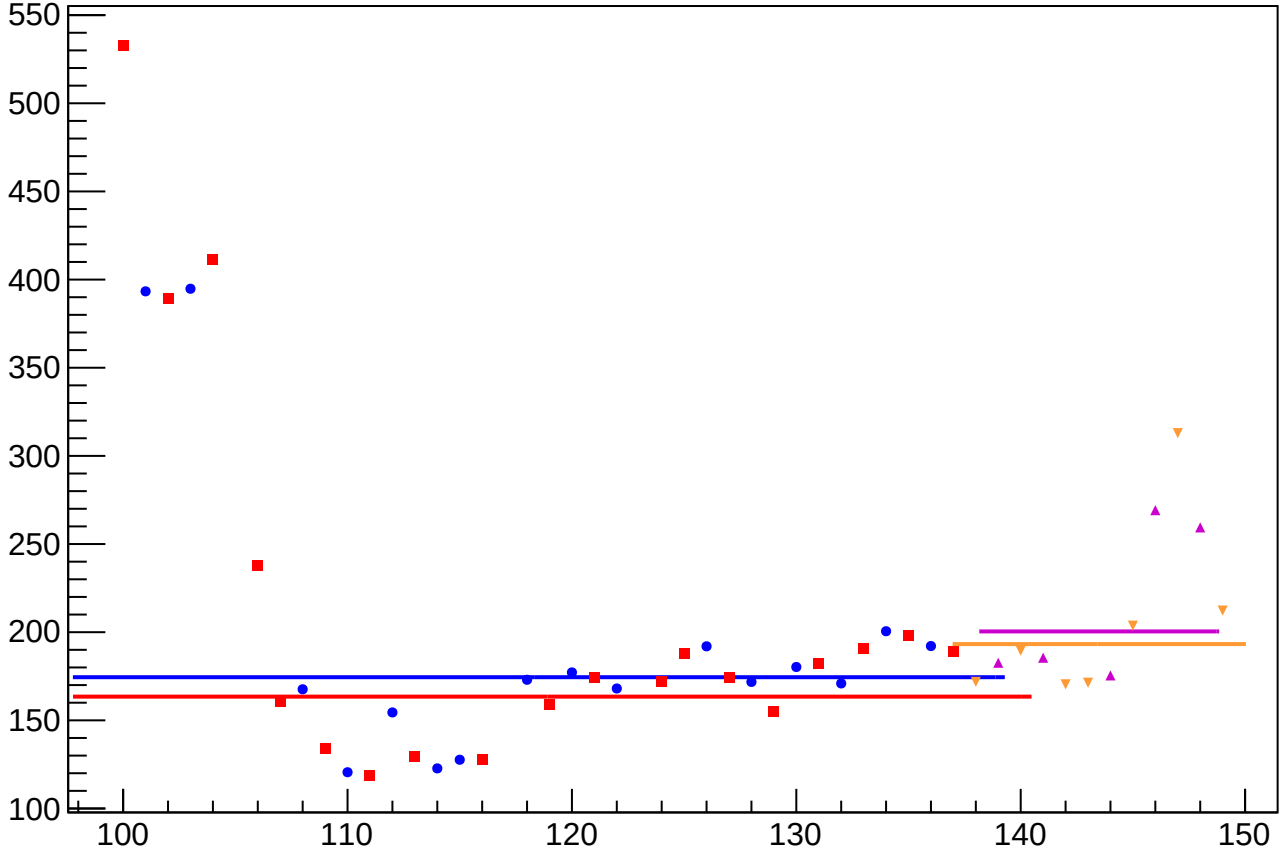
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142810.191+/-0.057 χ^2/NDF:193105464.2/20

Out: 142662.373+/-0.051 χ^2/NDF:266204319.0/25

All: 142729.152+/-0.038 χ^2/NDF: 46304929

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 193.258+/-0.061 χ^2/NDF:322384.1/6

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.433+/-0.070 χ^2/NDF:259886.2/4

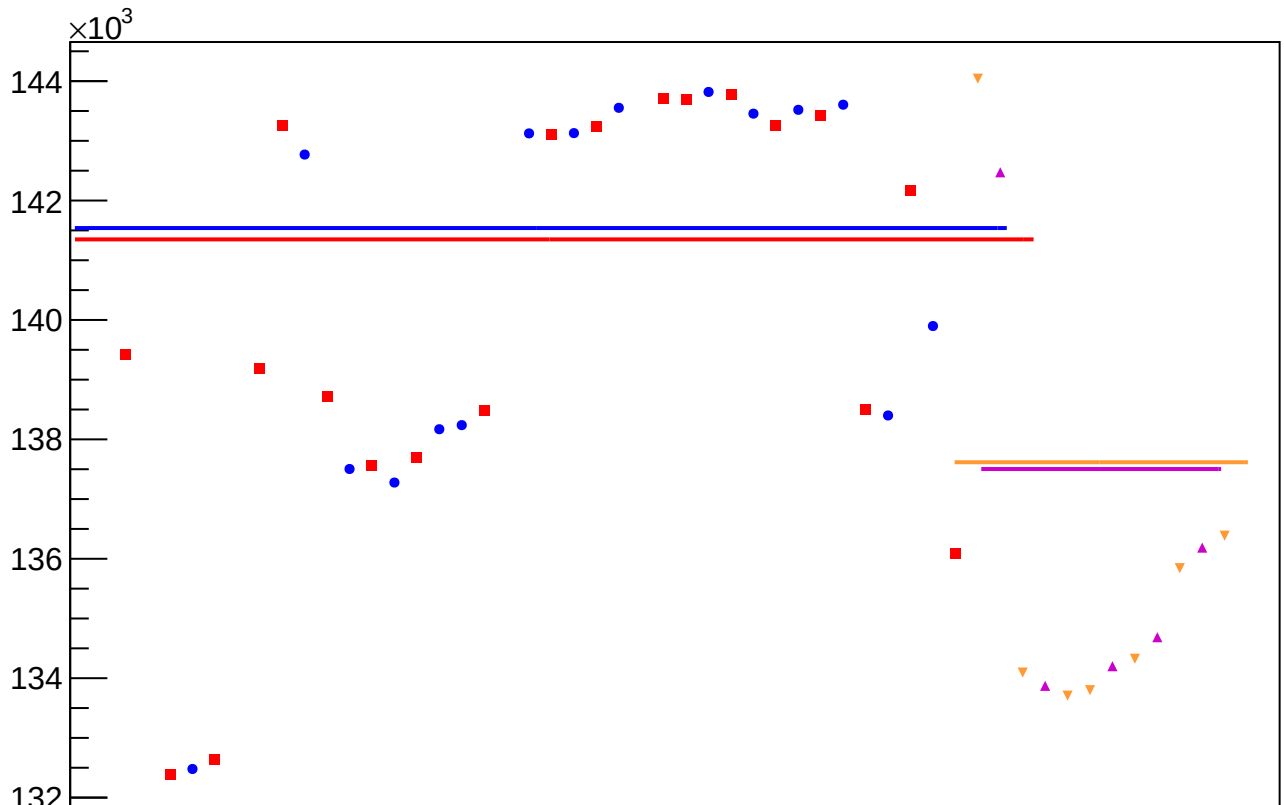
Left: 196.360+/-0.046 χ^2/NDF: 588278.0/11

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 183.018+/-0.040 χ^2/NDF:1401985.6/20

Out: 174.066+/-0.036 χ^2/NDF:1759274.9/25

All: 178.110+/-0.027 χ^2/NDF: 3188687.6/46



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137616.966+/-0.135 χ^2/NDF:1065285075.6/6

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: 137566.837+/-0.101 χ^2/NDF: 1709948308.4/1

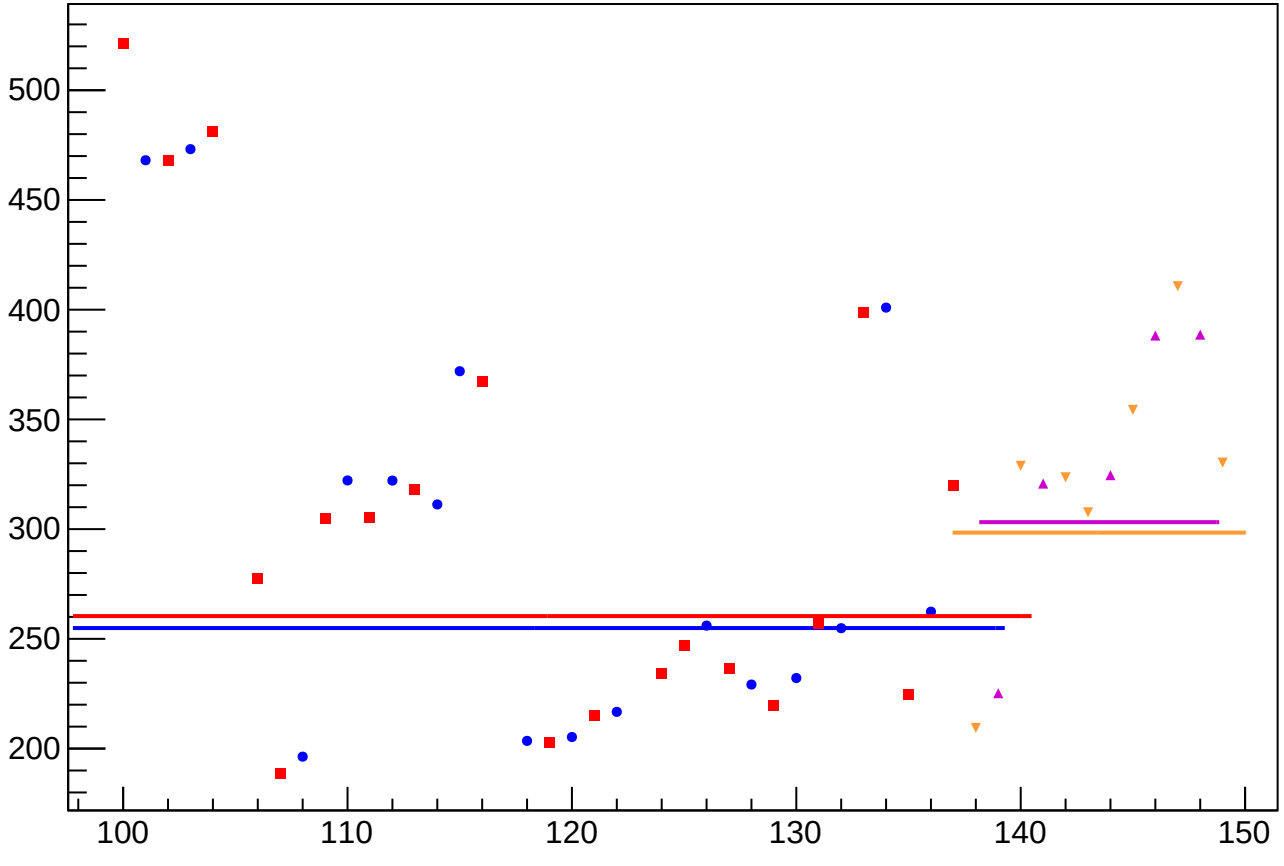
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140308.236+/-0.084 χ^2/NDF:2081089020.8/20

Out: 140010.098+/-0.081 χ^2/NDF:2481500489.4/2

All: 140153.525+/-0.058 χ^2/NDF: 45691203

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 298.408+/-0.096 χ^2/NDF:465836.9/6

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.178+/-0.108 χ^2/NDF:363935.9/4

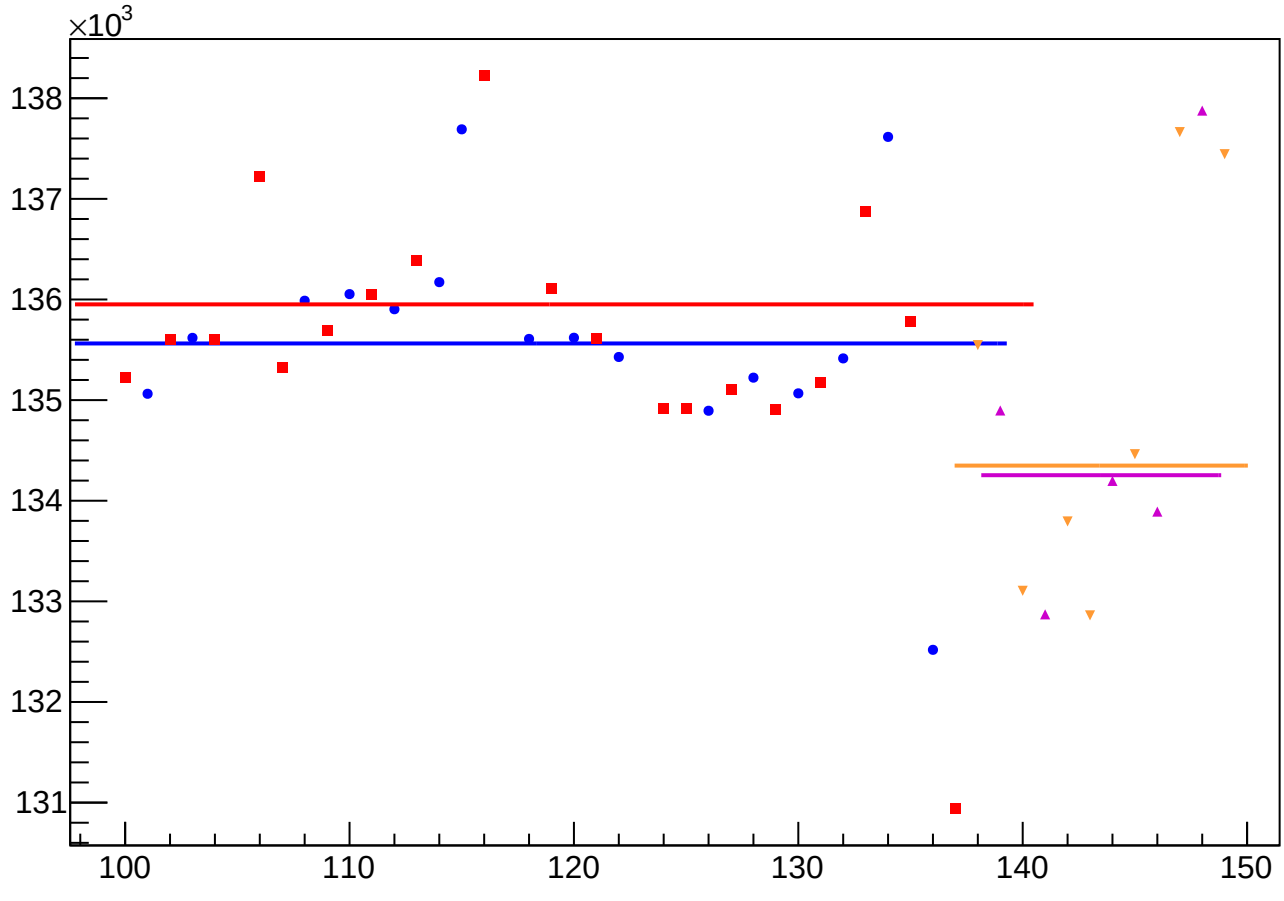
Left: 300.510+/-0.071 χ^2/NDF: 830871.8/11

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 269.640+/-0.059 χ^2/NDF:1453696.5/20

Out: 274.019+/-0.057 χ^2/NDF:1560831.7/25

All: 271.912+/-0.041 χ^2/NDF: 3017345.6/46



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134349.220+/-0.097 χ^2/NDF:232189623.5/6

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: 134306.687+/-0.072 χ^2/NDF: 361007775.2/11

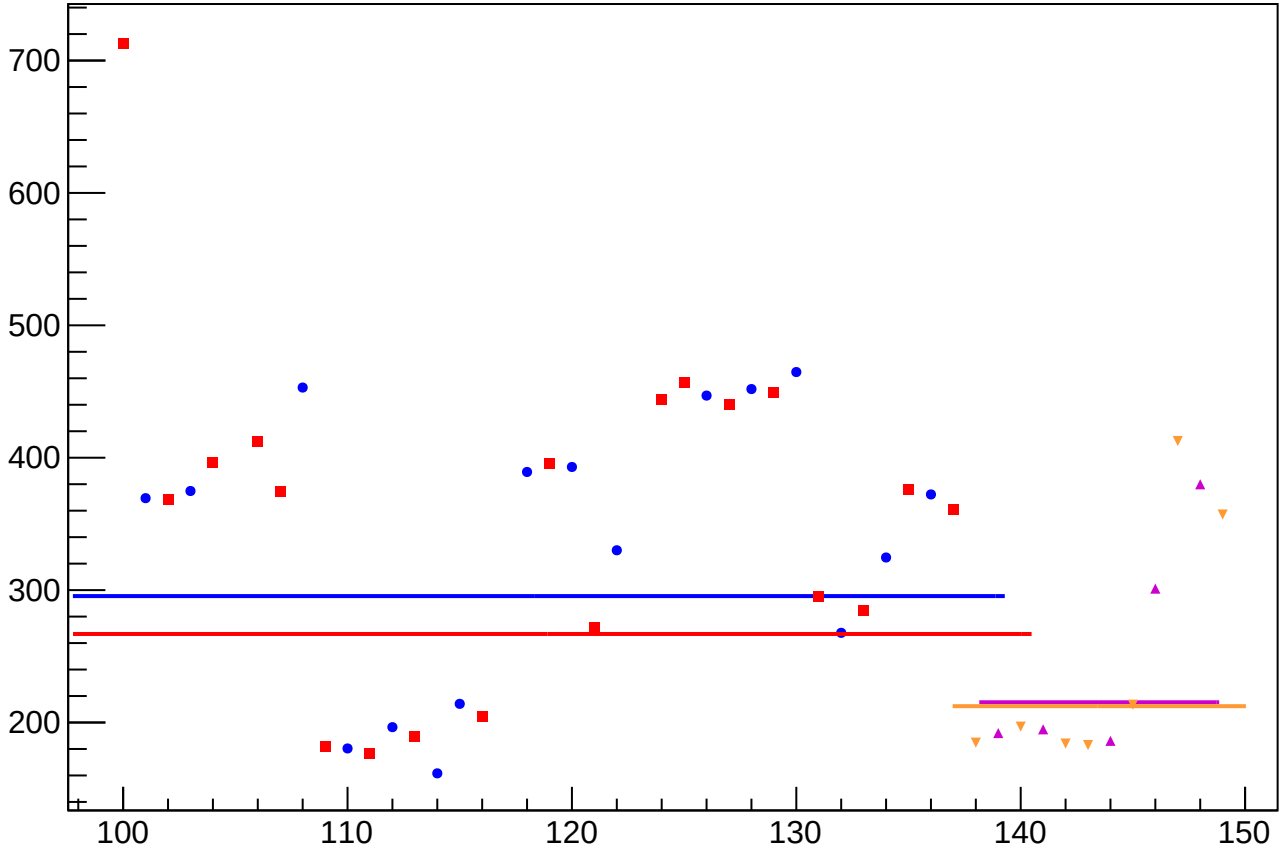
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134851.783+/-0.080 χ^2/NDF:289041927.6/20

Out: 135079.168+/-0.072 χ^2/NDF:447333893.4/25

All: 134977.729+/-0.053 χ^2/NDF: 74085198

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 212.316+/-0.069 χ^2/NDF:764399.7/6

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 215.280+/-0.077 χ^2/NDF:529542.9/4

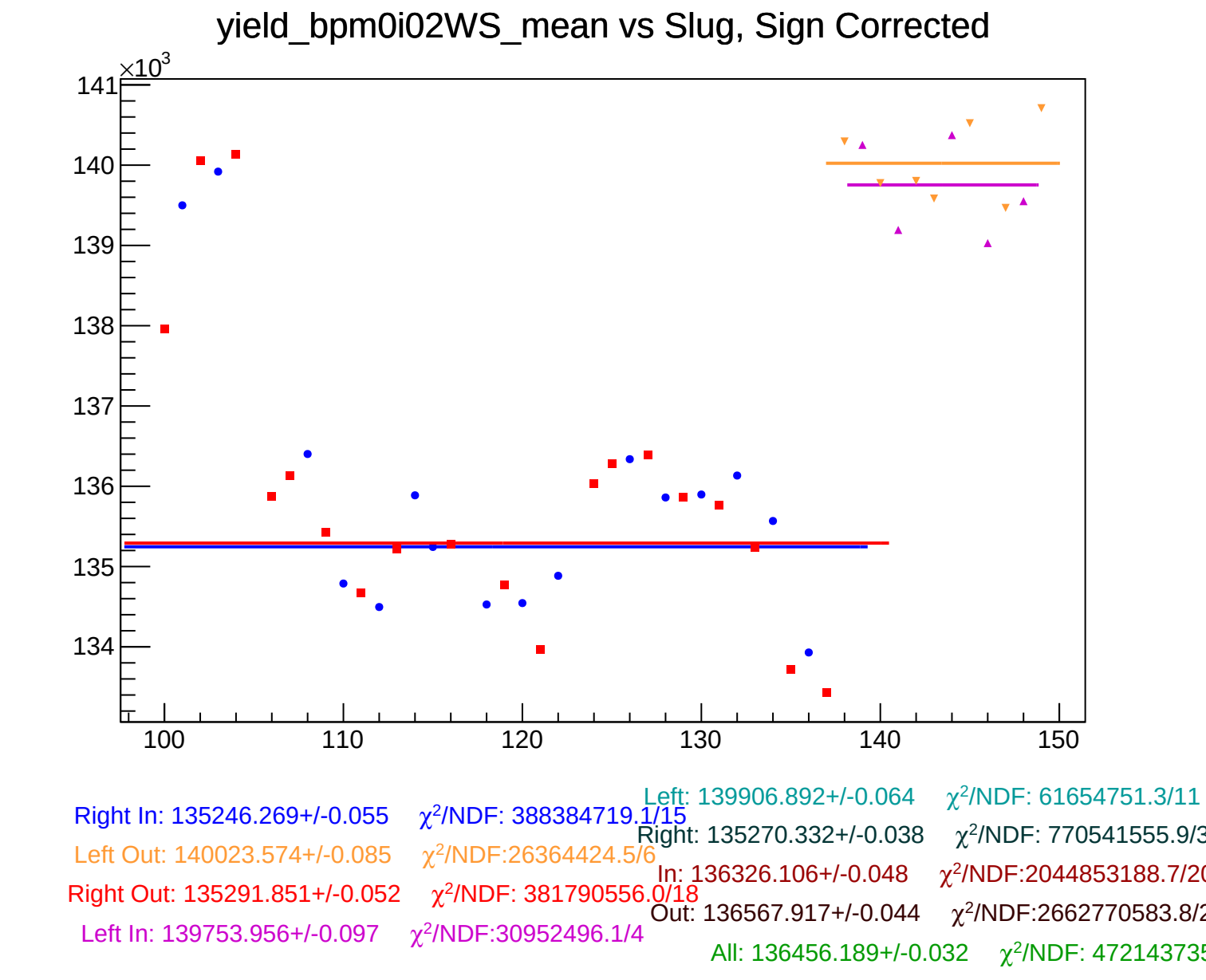
Left: 213.636+/-0.051 χ^2/NDF: 1294770.0/11

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

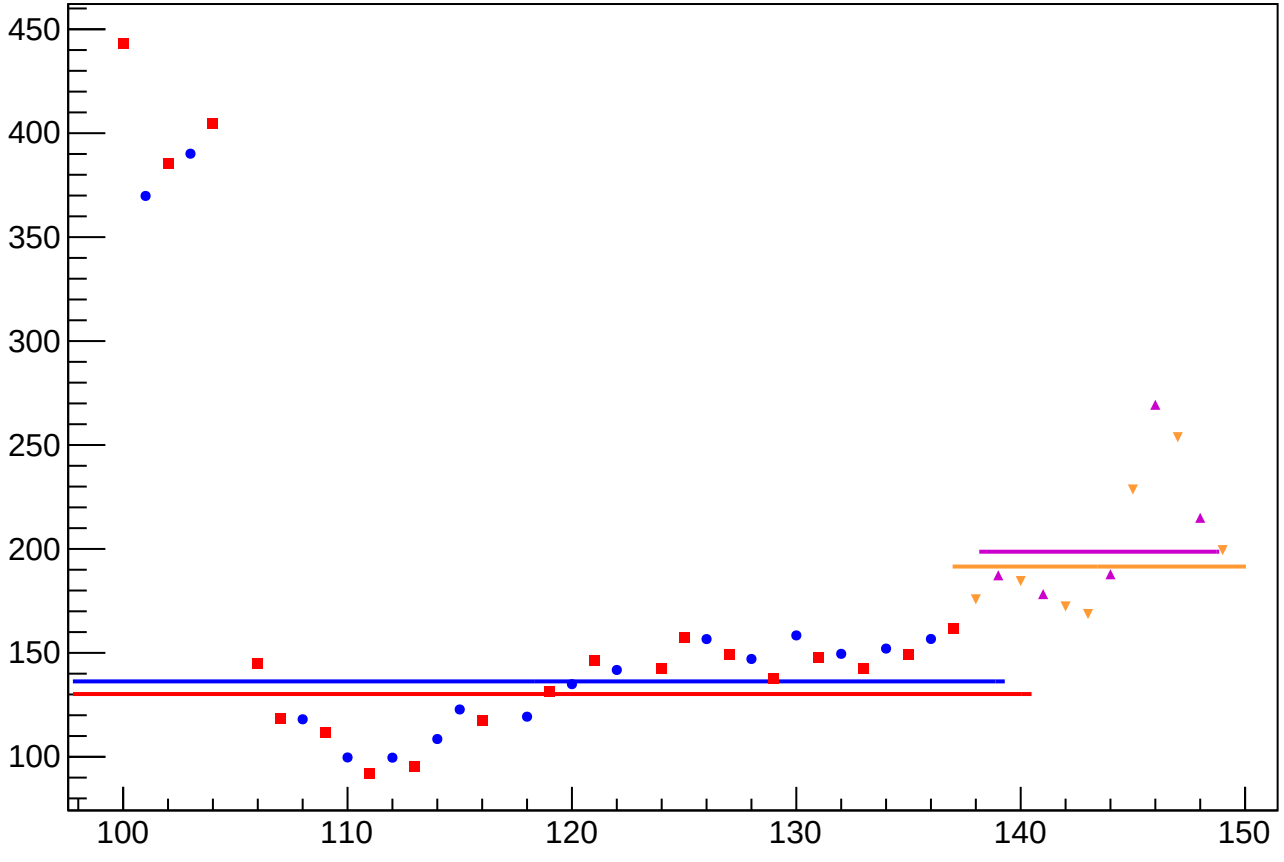
In: 251.912+/-0.057 χ^2/NDF:2470992.3/20

Out: 237.166+/-0.051 χ^2/NDF:2728909.0/25

All: 243.744+/-0.038 χ^2/NDF: 5237548.7/46


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
141
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: 140023.574+/-0.085 χ²/NDF:26364424.5/6
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 139753.956+/-0.097 χ²/NDF:30952496.1/4
Left: 139906.892+/-0.064 χ²/NDF: 61654751.3/11
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 136326.106+/-0.048 χ²/NDF:2044853188.7/20
Out: 136567.917+/-0.044 χ²/NDF:2662770583.8/2
All: 136456.189+/-0.032 χ²/NDF: 47214373

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 191.525+/-0.060 χ^2/NDF:191490.0/6

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 198.669+/-0.069 χ^2/NDF:159664.7/4

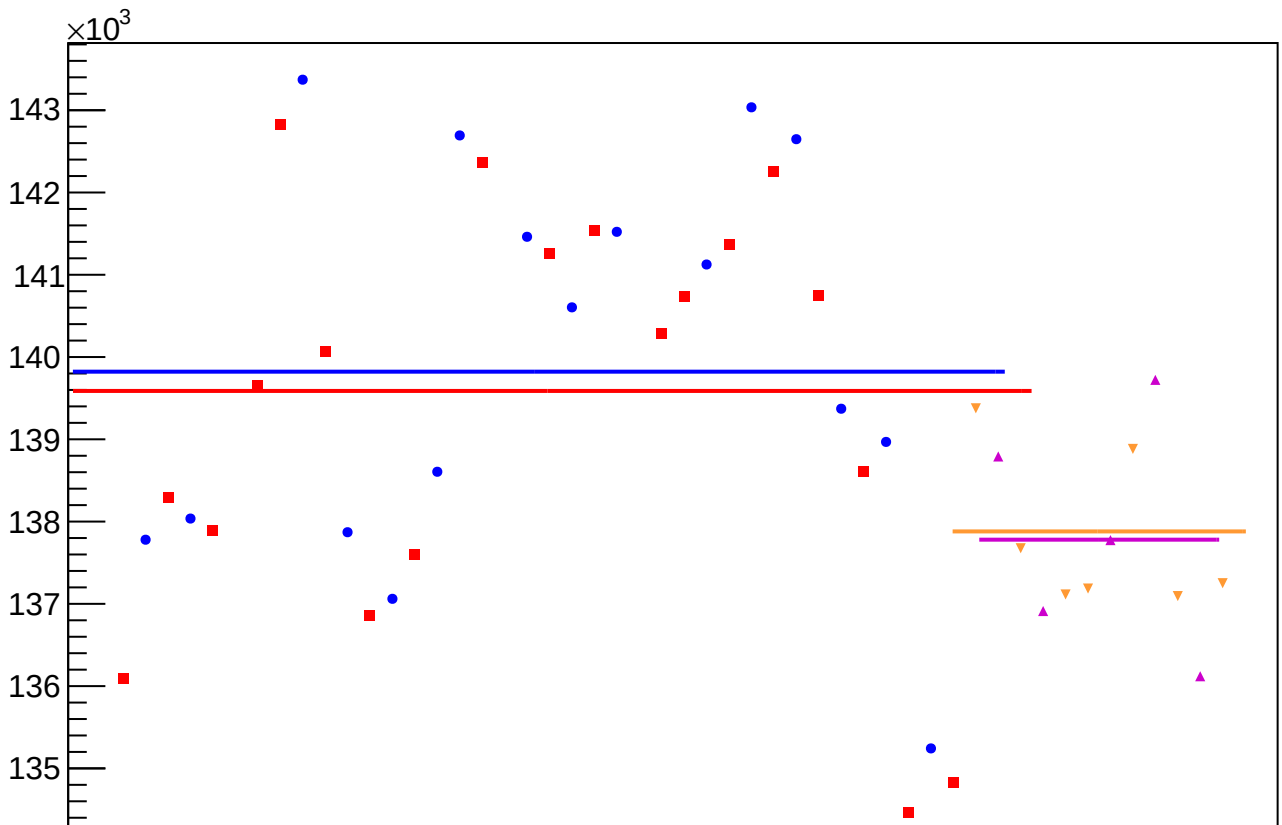
Left: 194.617+/-0.045 χ^2/NDF: 357245.8/11

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 151.229+/-0.034 χ^2/NDF:2166392.1/20

Out: 146.743+/-0.031 χ^2/NDF:2469605.9/25

All: 148.816+/-0.023 χ^2/NDF: 4645509.9/46



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137880.332+/-0.085 χ^2/NDF:111441743.9/6

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: 137836.956+/-0.064 χ^2/NDF: 245072755.7/1

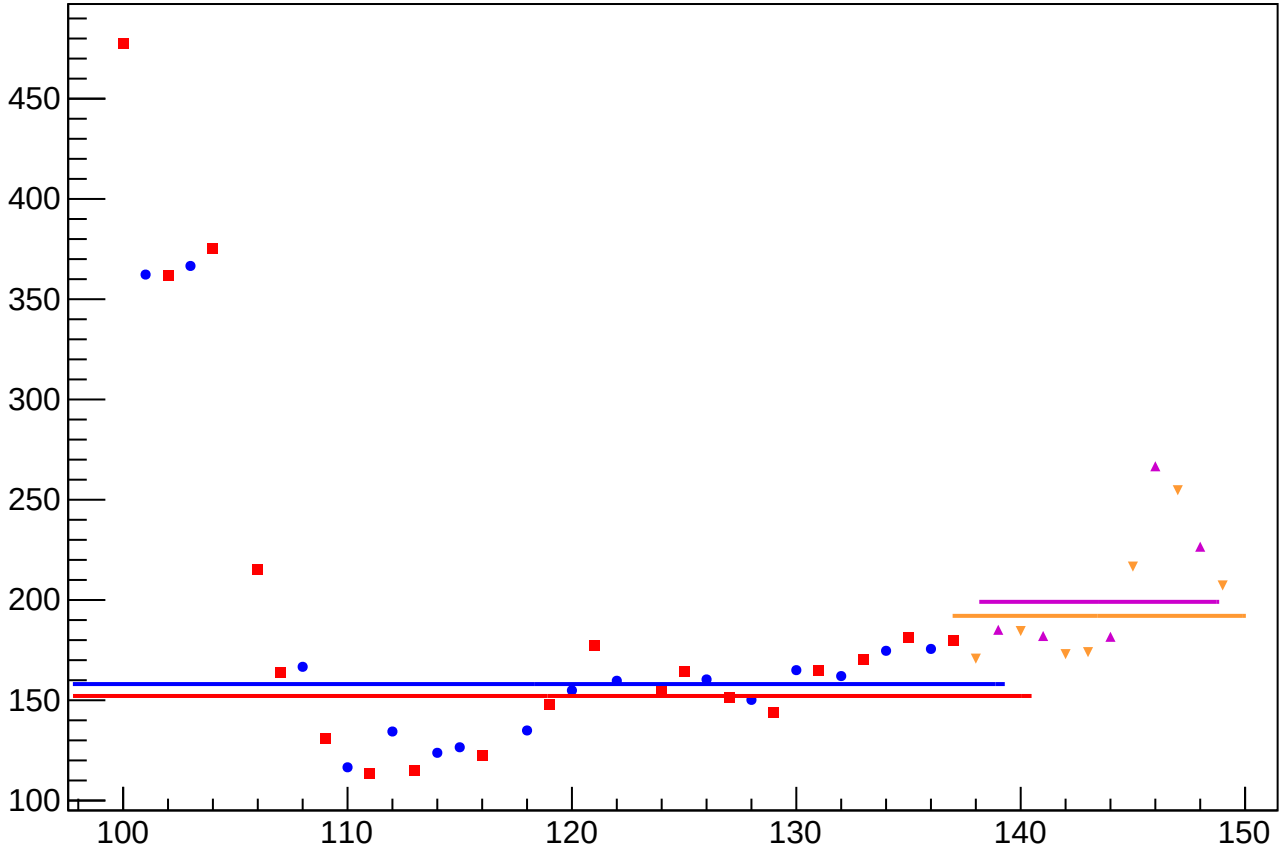
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139228.508+/-0.053 χ^2/NDF:2105835821.4/2

Out: 139026.429+/-0.049 χ^2/NDF:1863125959.2/2

All: 139119.957+/-0.036 χ^2/NDF: 39768554

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.096+/-0.060 χ^2/NDF:179564.2/6

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 199.087+/-0.069 χ^2/NDF:175375.8/4

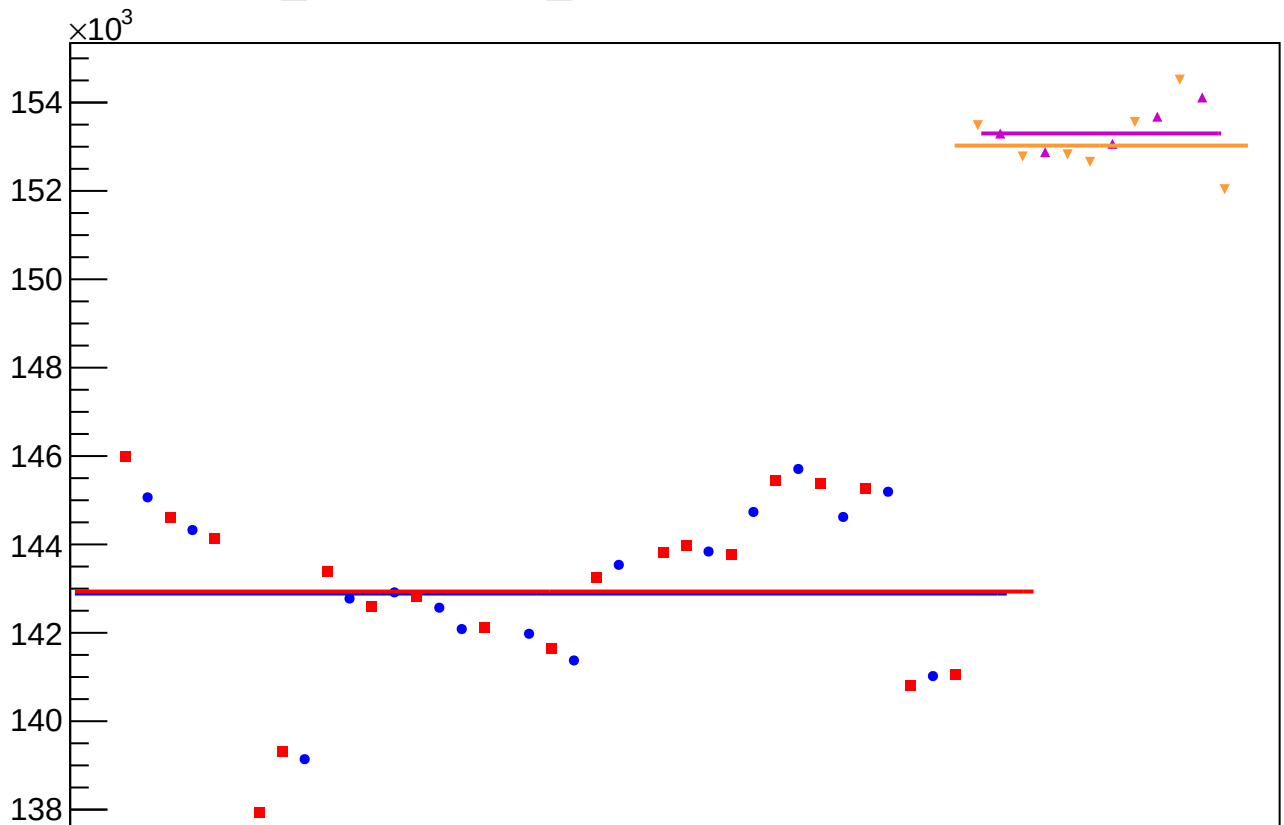
Left: 195.119+/-0.045 χ^2/NDF: 360742.9/11

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 170.000+/-0.037 χ^2/NDF:1442849.2/20

Out: 165.277+/-0.035 χ^2/NDF:1702945.2/25

All: 167.463+/-0.025 χ^2/NDF: 3154416.7/46



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153025.416+/-0.086 χ^2/NDF:61840214.5/6

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: 153144.132+/-0.065 χ^2/NDF: 83511365.6/11

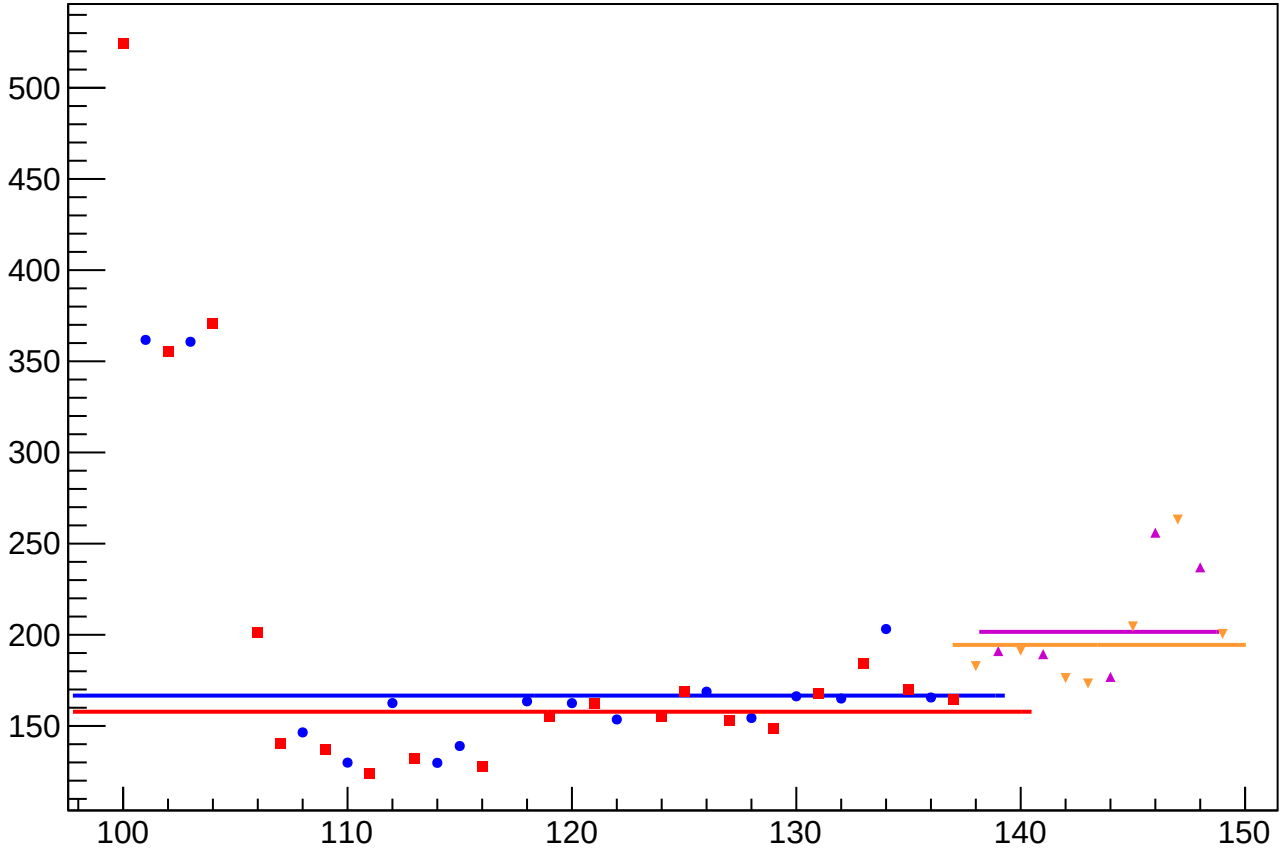
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 146087.203+/-0.055 χ^2/NDF:8496686030.6/20

Out: 146345.462+/-0.050 χ^2/NDF:9940864646.4/2

All: 146227.671+/-0.037 χ^2/NDF: 18449686

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.459+/-0.061 χ^2/NDF:155626.6/6

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.620+/-0.070 χ^2/NDF:161230.0/4

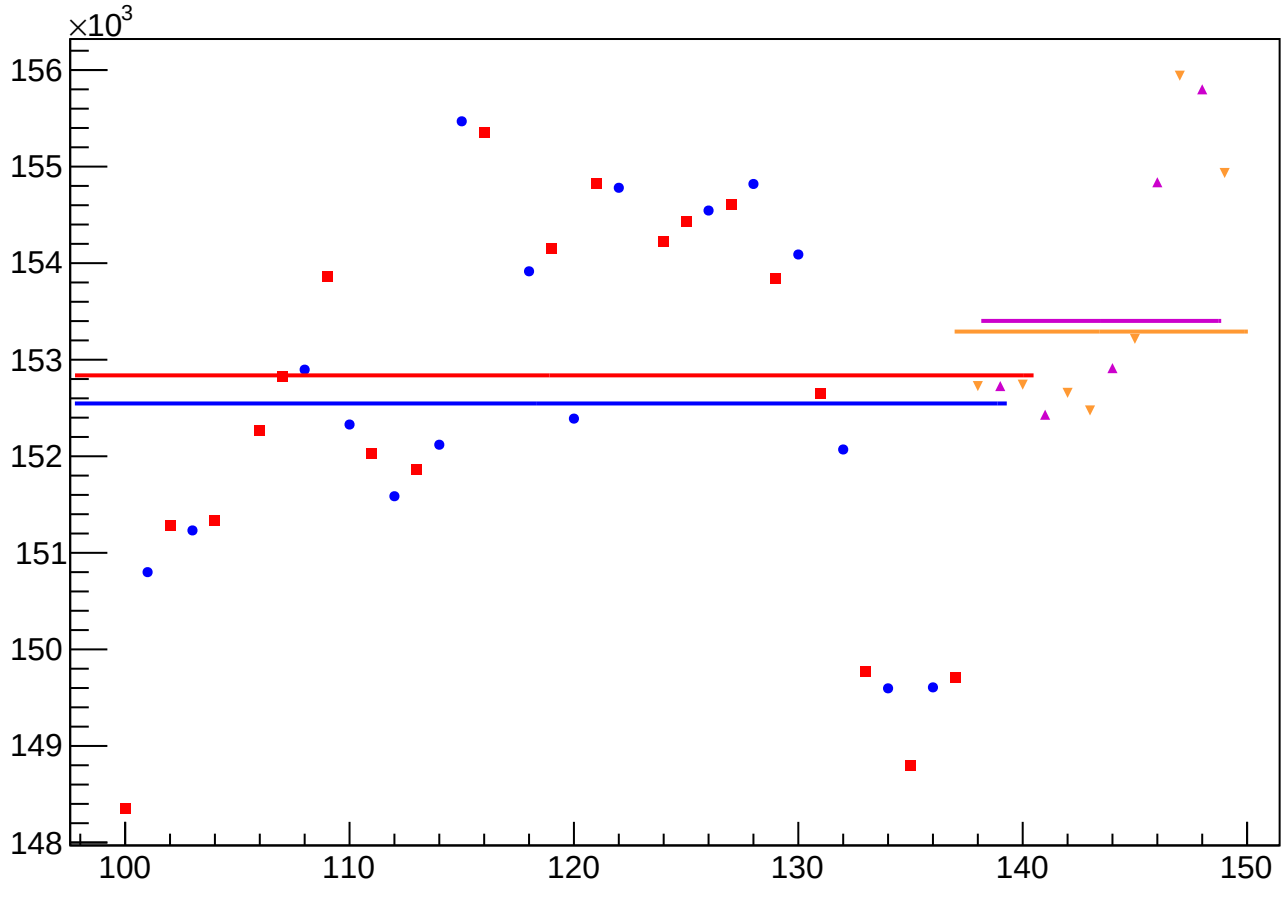
Left: 197.555+/-0.046 χ^2/NDF: 322839.1/11

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 177.396+/-0.039 χ^2/NDF:1198871.1/20

Out: 170.199+/-0.035 χ^2/NDF:1417784.6/25

All: 173.482+/-0.026 χ^2/NDF: 2635507.2/46



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153291.482+/-0.086 χ^2/NDF:163004599.2/6

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: 153339.137+/-0.065 χ^2/NDF: 310593509.8/11

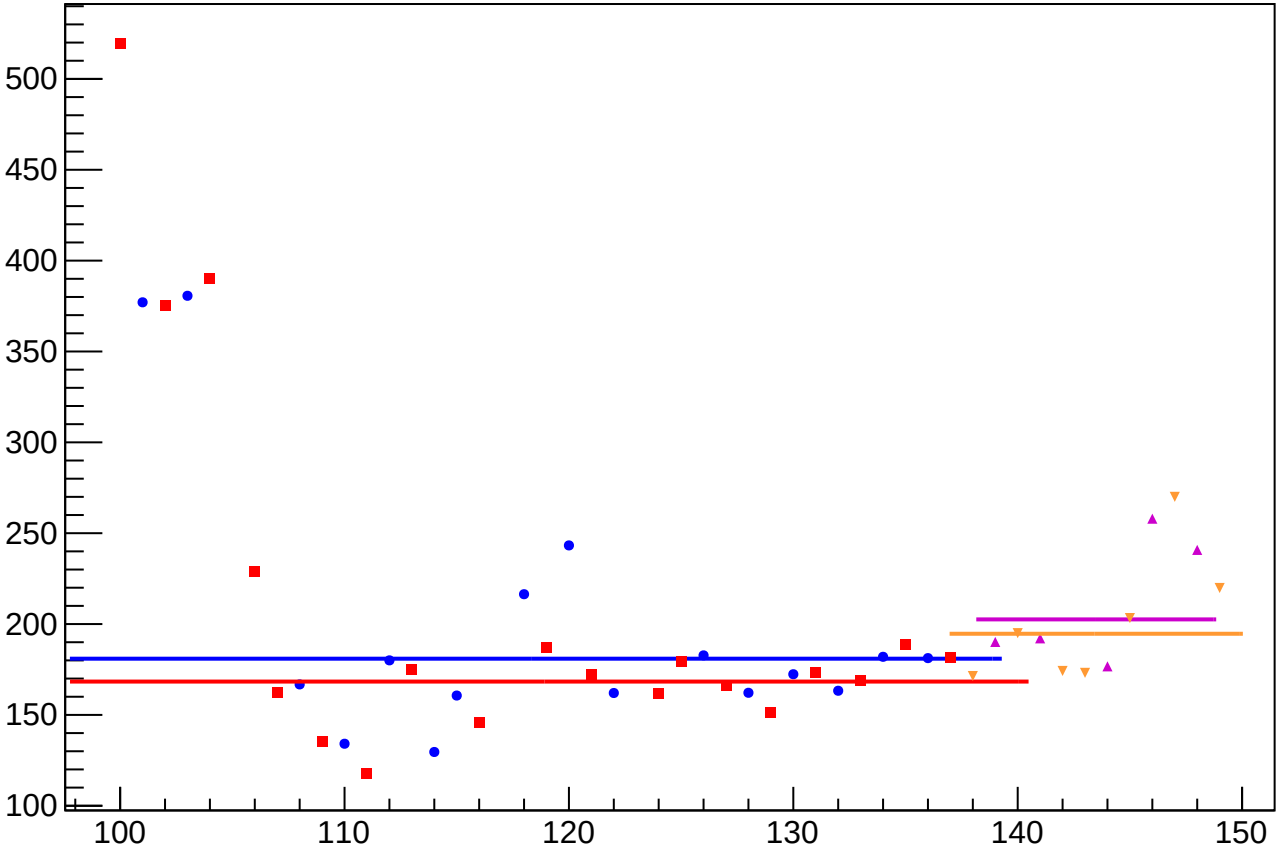
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152846.108+/-0.059 χ^2/NDF:849939827.1/20

Out: 153007.612+/-0.053 χ^2/NDF:917236920.1/25

All: 152935.274+/-0.039 χ^2/NDF: 17713791

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 194.661+/-0.061 χ^2/NDF:216131.5/6

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.563+/-0.070 χ^2/NDF:171734.6/4

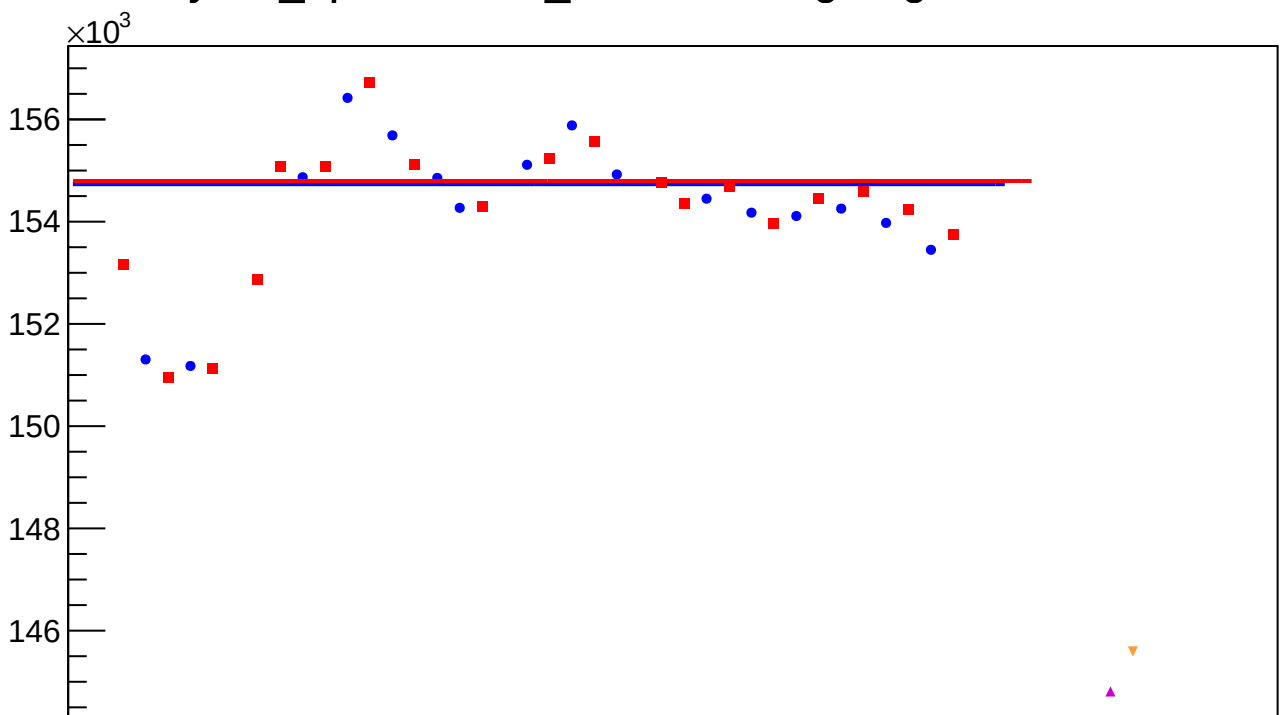
Left: 198.070+/-0.046 χ^2/NDF: 395115.6/11

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 188.506+/-0.041 χ^2/NDF:1141558.6/20

Out: 178.194+/-0.037 χ^2/NDF:1421814.6/25

All: 182.813+/-0.028 χ^2/NDF: 2597622.5/46



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143858.826+/-0.078 χ^2/NDF:73382383.9/6

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: 143642.234+/-0.058 χ^2/NDF: 206191288.3/11

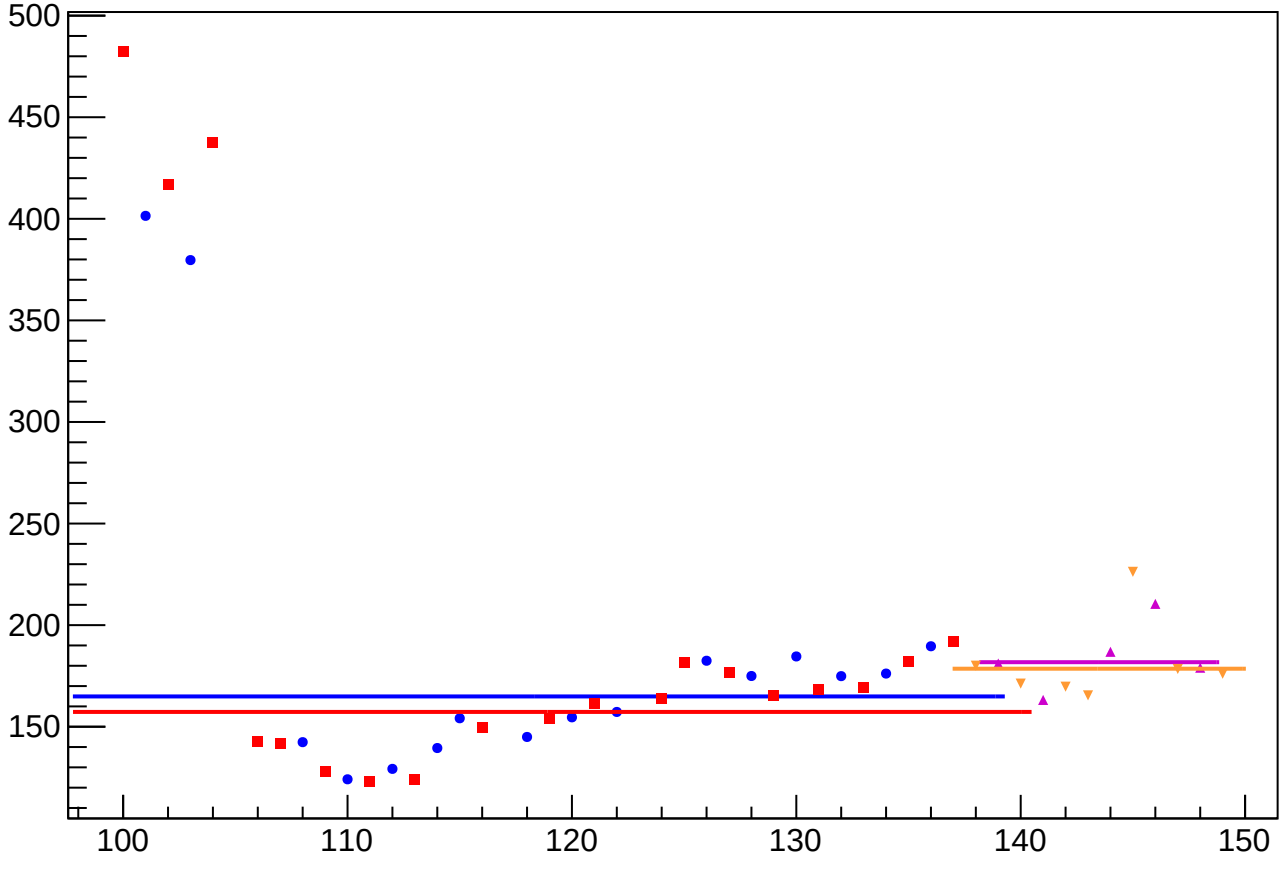
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 150699.028+/-0.052 χ^2/NDF:11175854444.7/2

Out: 150655.480+/-0.048 χ^2/NDF:12521467159.1

All: 150675.428+/-0.035 χ^2/NDF: 23697696

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 178.555+/-0.055 χ^2/NDF:87379.4/6

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 181.764+/-0.062 χ^2/NDF:56909.1/4

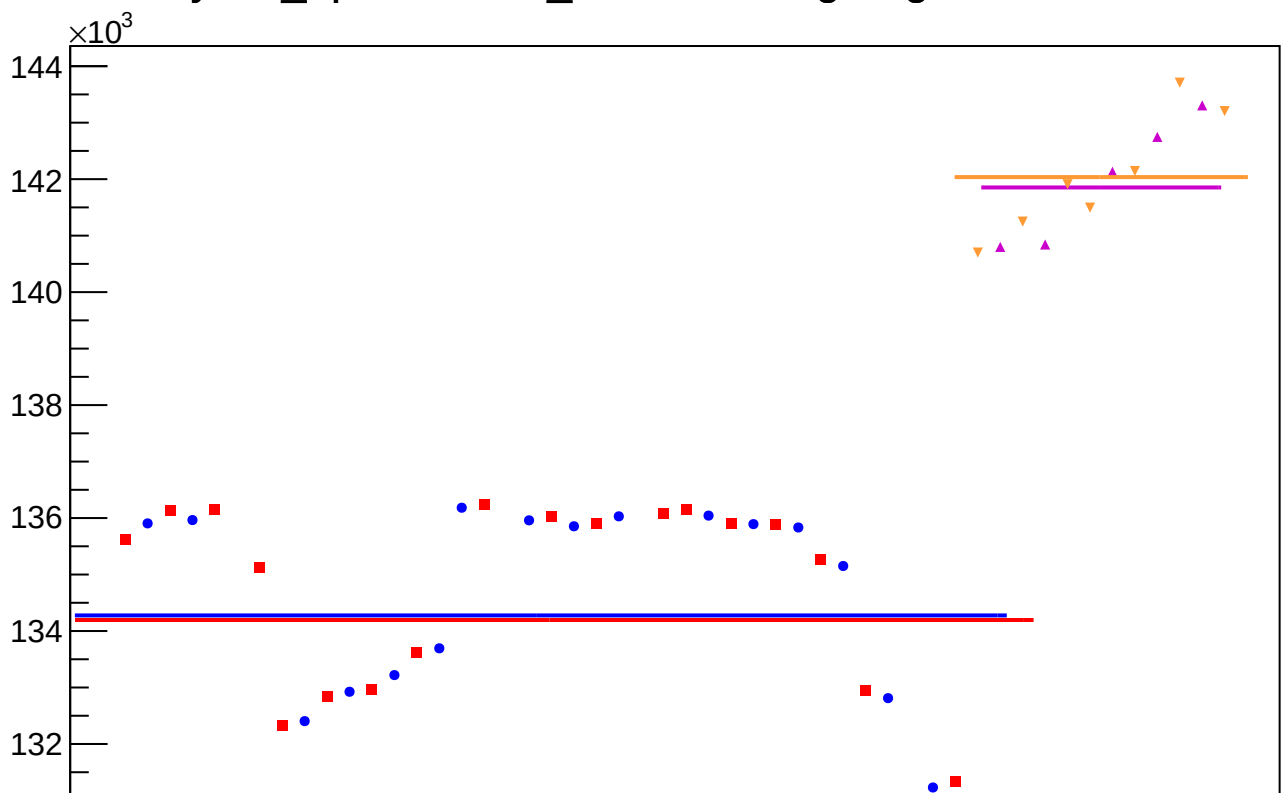
Left: 179.974+/-0.041 χ^2/NDF: 145775.8/11

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 170.891+/-0.037 χ^2/NDF:1177108.4/20

Out: 165.336+/-0.034 χ^2/NDF:1434091.4/25

All: 167.880+/-0.025 χ^2/NDF: 2623397.7/46



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 142036.527+/-0.077 χ^2/NDF:178332372.4/6

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: 141955.193+/-0.058 χ^2/NDF: 318656978.0/11

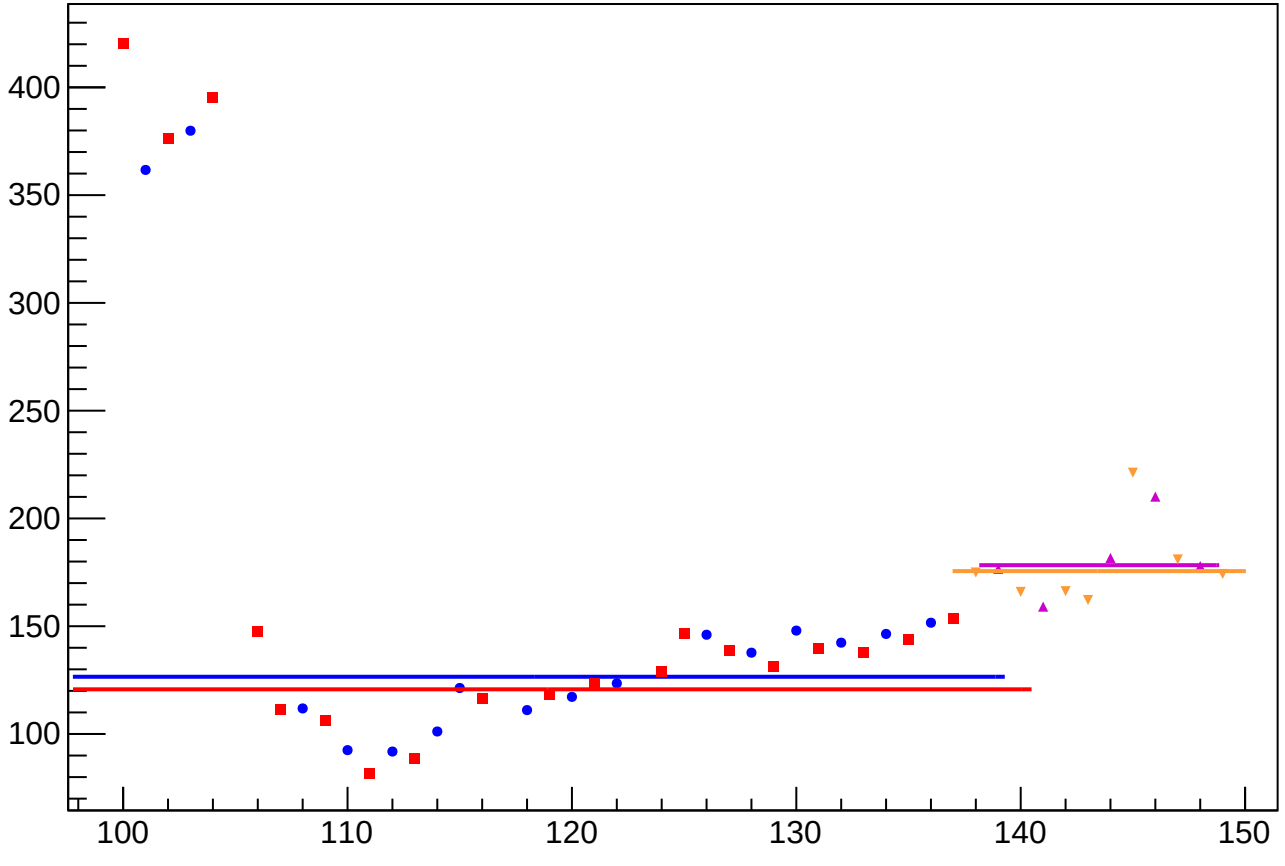
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 136223.773+/-0.044 χ^2/NDF:6993442112.4/20

Out: 136385.010+/-0.041 χ^2/NDF:8844322767.5/2

All: 136310.258+/-0.030 χ^2/NDF: 15845030

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.569+/-0.054 χ^2/NDF:89215.6/6

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: 176.789+/-0.041 χ^2/NDF: 156534.9/11

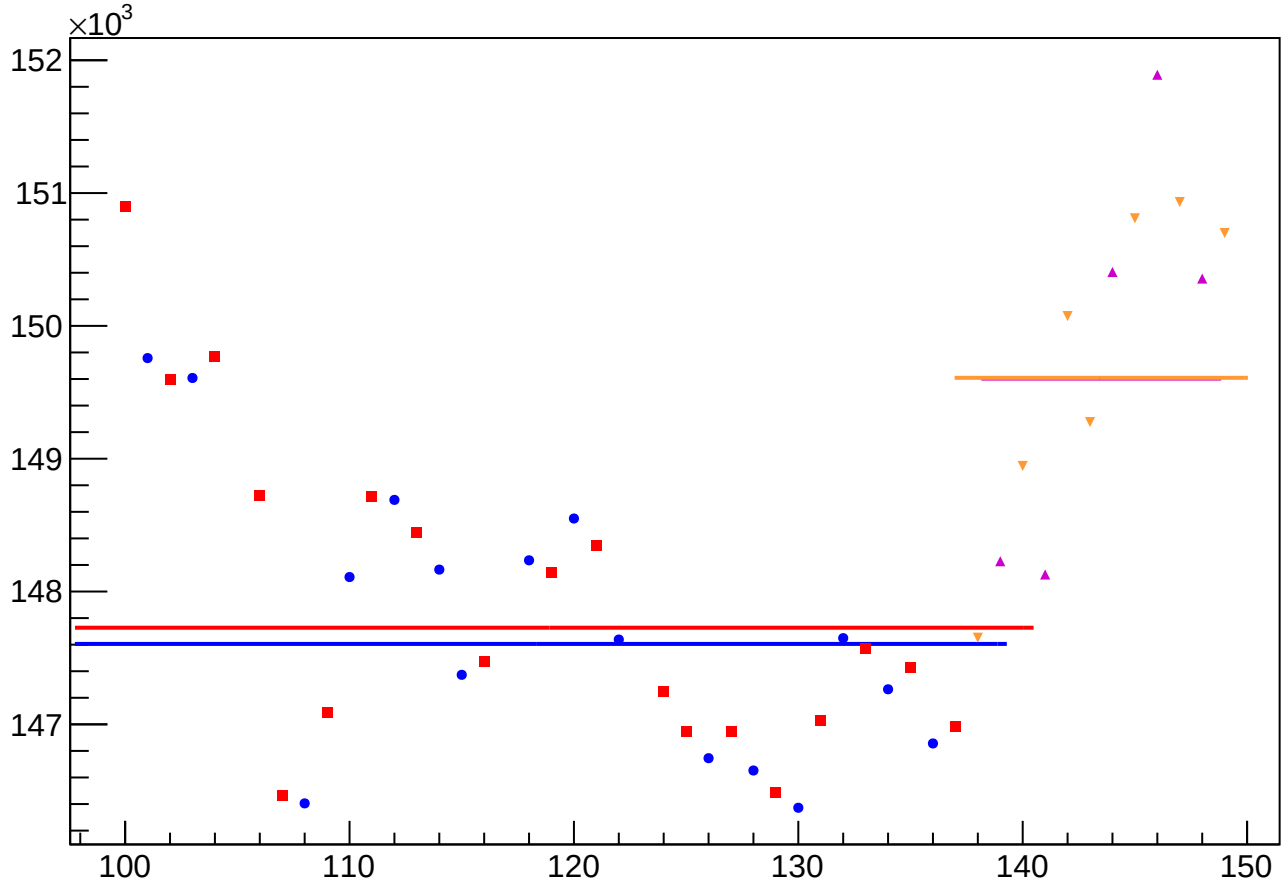
Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 139.859+/-0.031 χ^2/NDF:2077036.3/20

Out: 136.039+/-0.029 χ^2/NDF:2451927.0/25

All: 137.810+/-0.021 χ^2/NDF: 4537117.8/46

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 149609.009+/-0.094 χ^2/NDF:144835436.7/6

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 149603.105+/-0.107 χ^2/NDF:172786997.6/4

Left: 149606.413+/-0.071 χ^2/NDF: 317624155.1/11

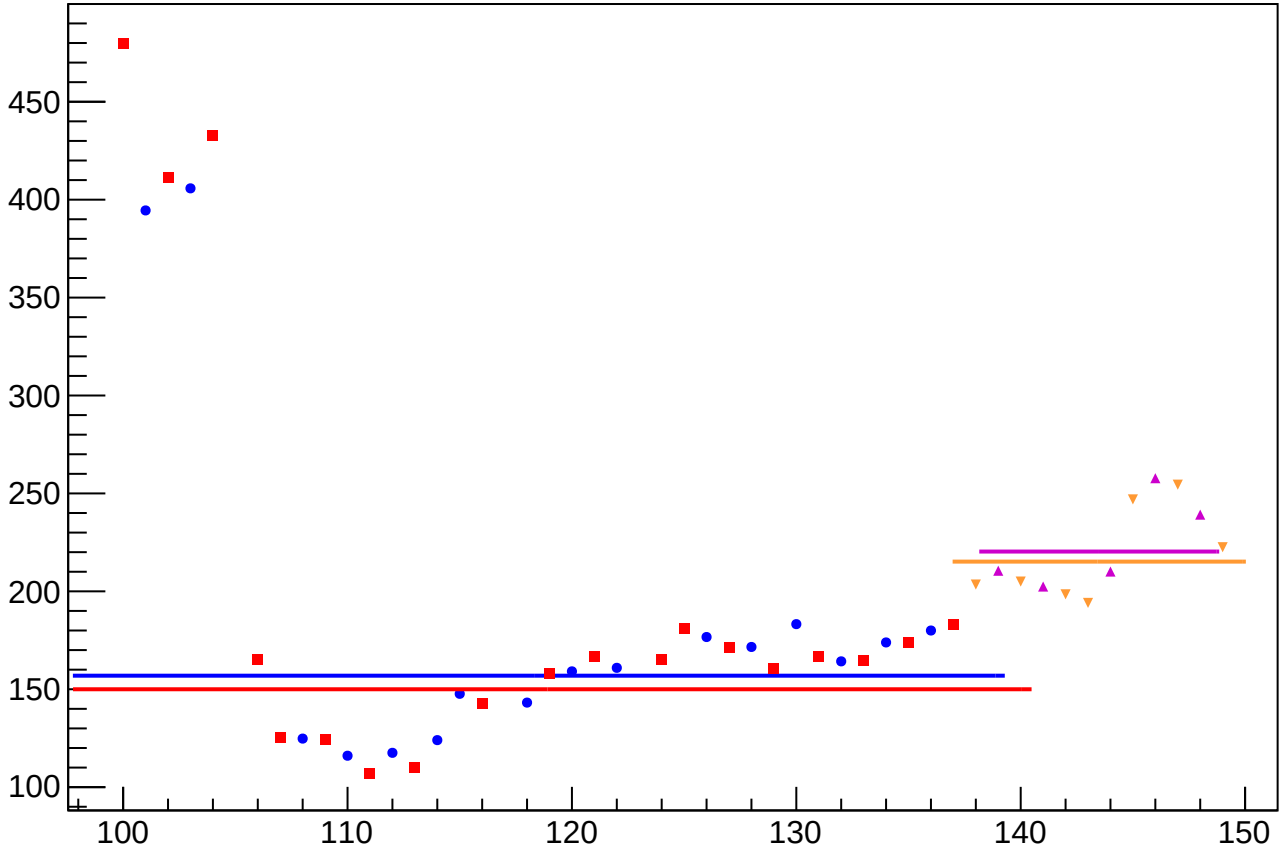
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 148116.697+/-0.054 χ^2/NDF:634869935.0/20

Out: 148255.489+/-0.050 χ^2/NDF:625605434.4/25

All: 148191.305+/-0.037 χ^2/NDF: 12640406

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 215.179+/-0.067 χ^2/NDF:101420.3/6

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 220.317+/-0.075 χ^2/NDF:69002.6/4

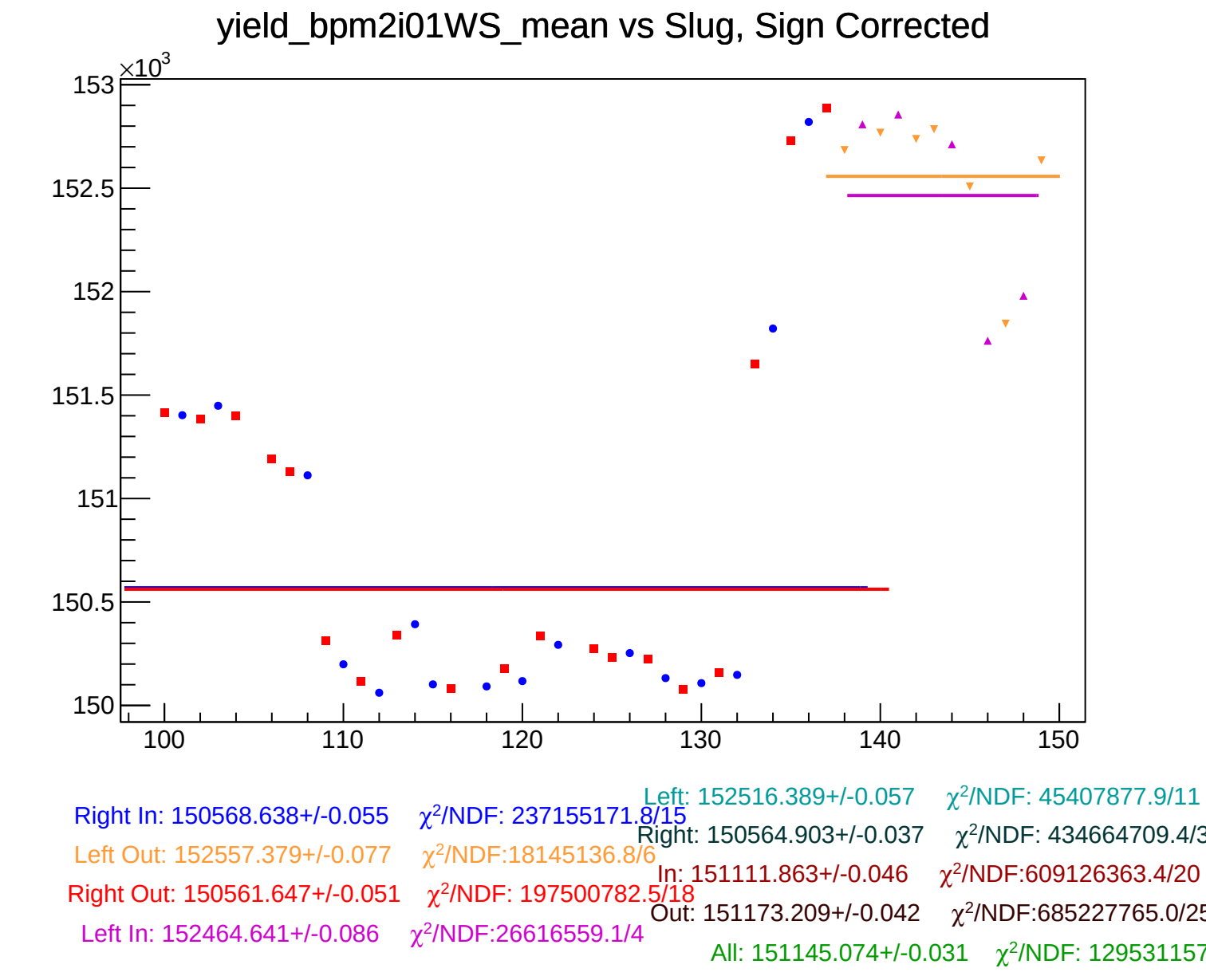
Left: 217.437+/-0.050 χ^2/NDF: 173029.3/11

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

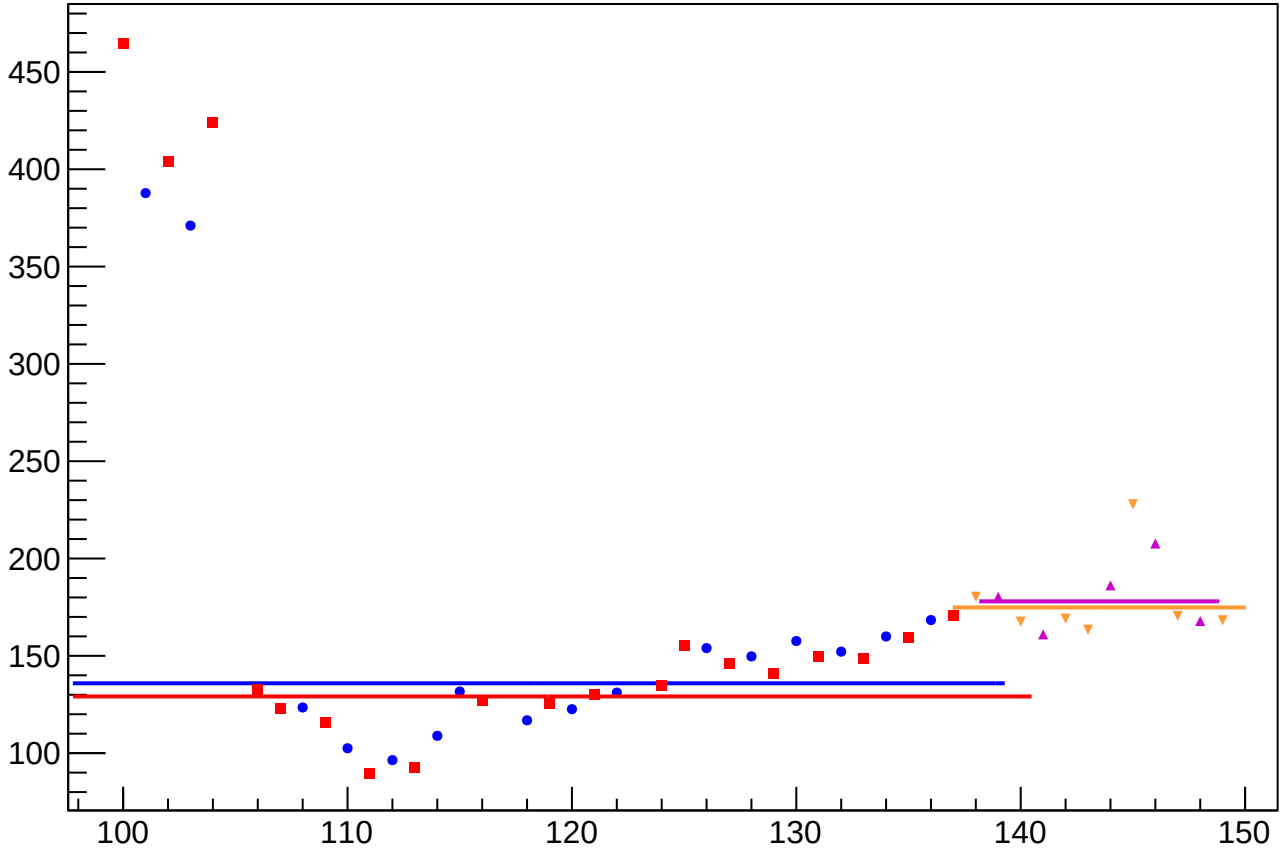
In: 173.146+/-0.038 χ^2/NDF:1861609.0/20

Out: 168.284+/-0.035 χ^2/NDF:2241900.5/25

All: 170.532+/-0.026 χ^2/NDF: 4112262.2/46


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
150
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152557.379+/-0.077 χ²/NDF:18145136.8/6
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152464.641+/-0.086 χ²/NDF:26616559.1/4
Left: 152516.389+/-0.057 χ²/NDF: 45407877.9/11
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 151111.863+/-0.046 χ²/NDF:609126363.4/20
Out: 151173.209+/-0.042 χ²/NDF:685227765.0/25
All: 151145.074+/-0.031 χ²/NDF: 12953115

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.869+/-0.054 χ^2/NDF:104214.5/6

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 178.004+/-0.061 χ^2/NDF:64720.2/4

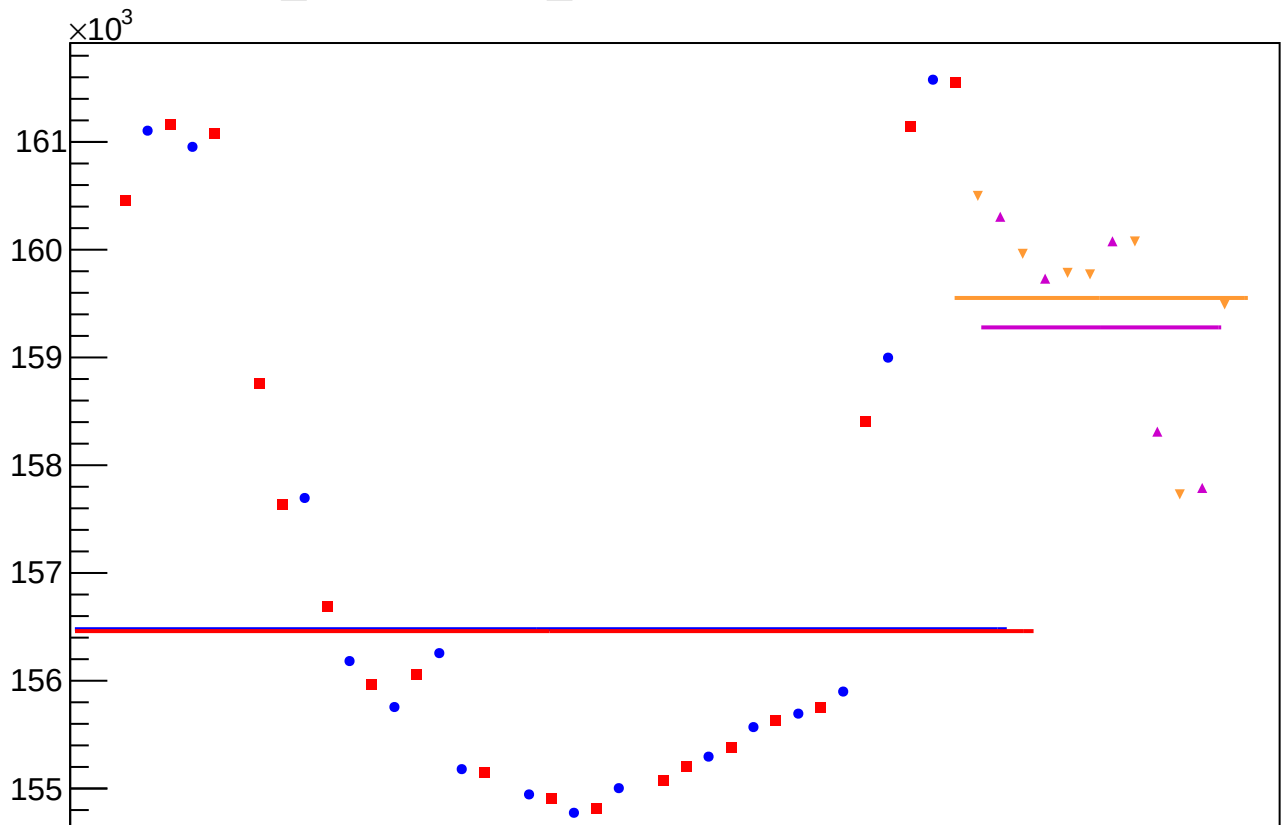
Left: 176.254+/-0.041 χ^2/NDF: 170411.4/11

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 147.960+/-0.033 χ^2/NDF:1821723.3/20

Out: 143.146+/-0.030 χ^2/NDF:2211808.2/25

All: 145.354+/-0.022 χ^2/NDF: 4045324.1/46



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 159552.200+/-0.080 χ^2/NDF:116072329.2/6

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: 159430.837+/-0.060 χ^2/NDF: 245935132.6/11

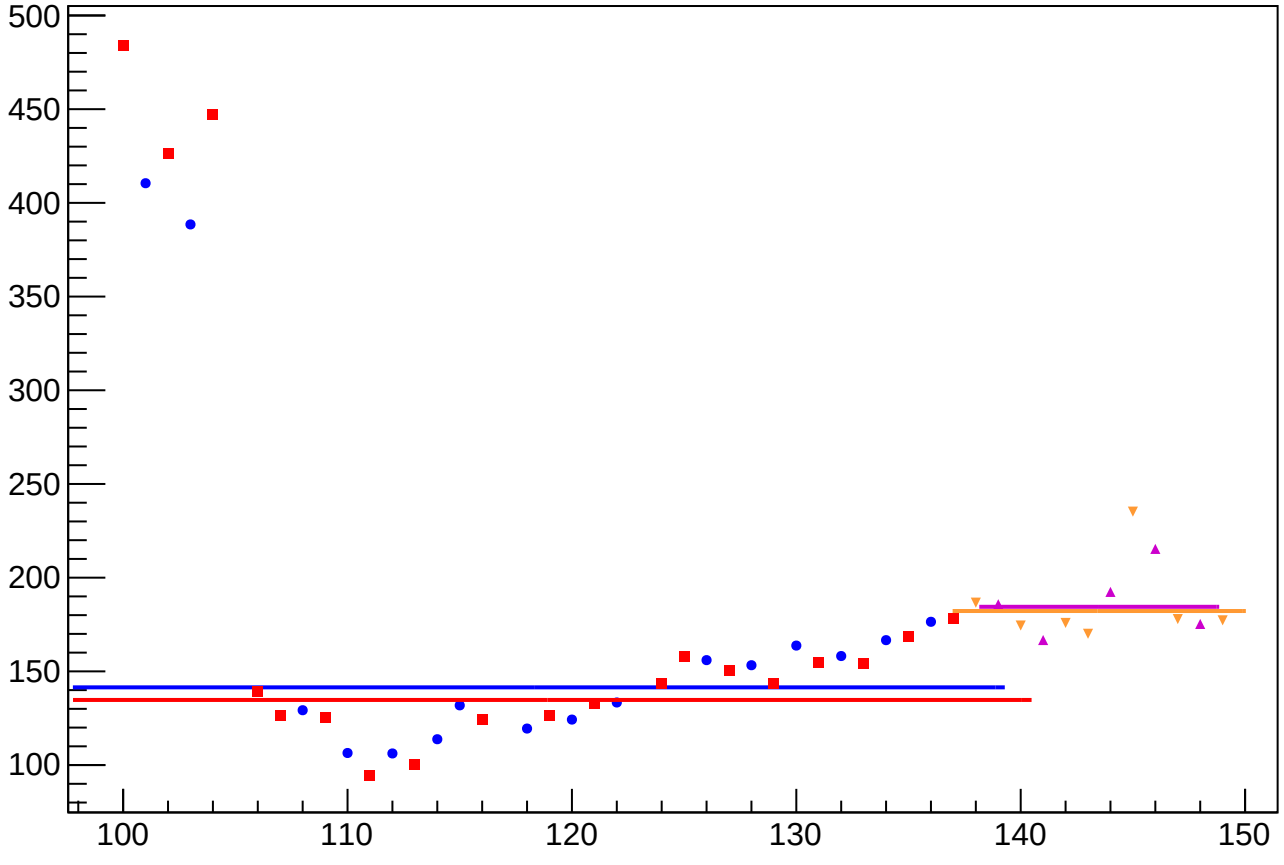
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 157285.308+/-0.048 χ^2/NDF:2114327116.2/20

Out: 157409.103+/-0.044 χ^2/NDF:2255644715.3/2

All: 157352.172+/-0.033 χ^2/NDF: 43735741

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 182.204+/-0.056 χ^2/NDF:97575.9/6

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: 183.204+/-0.042 χ^2/NDF: 161546.1/11

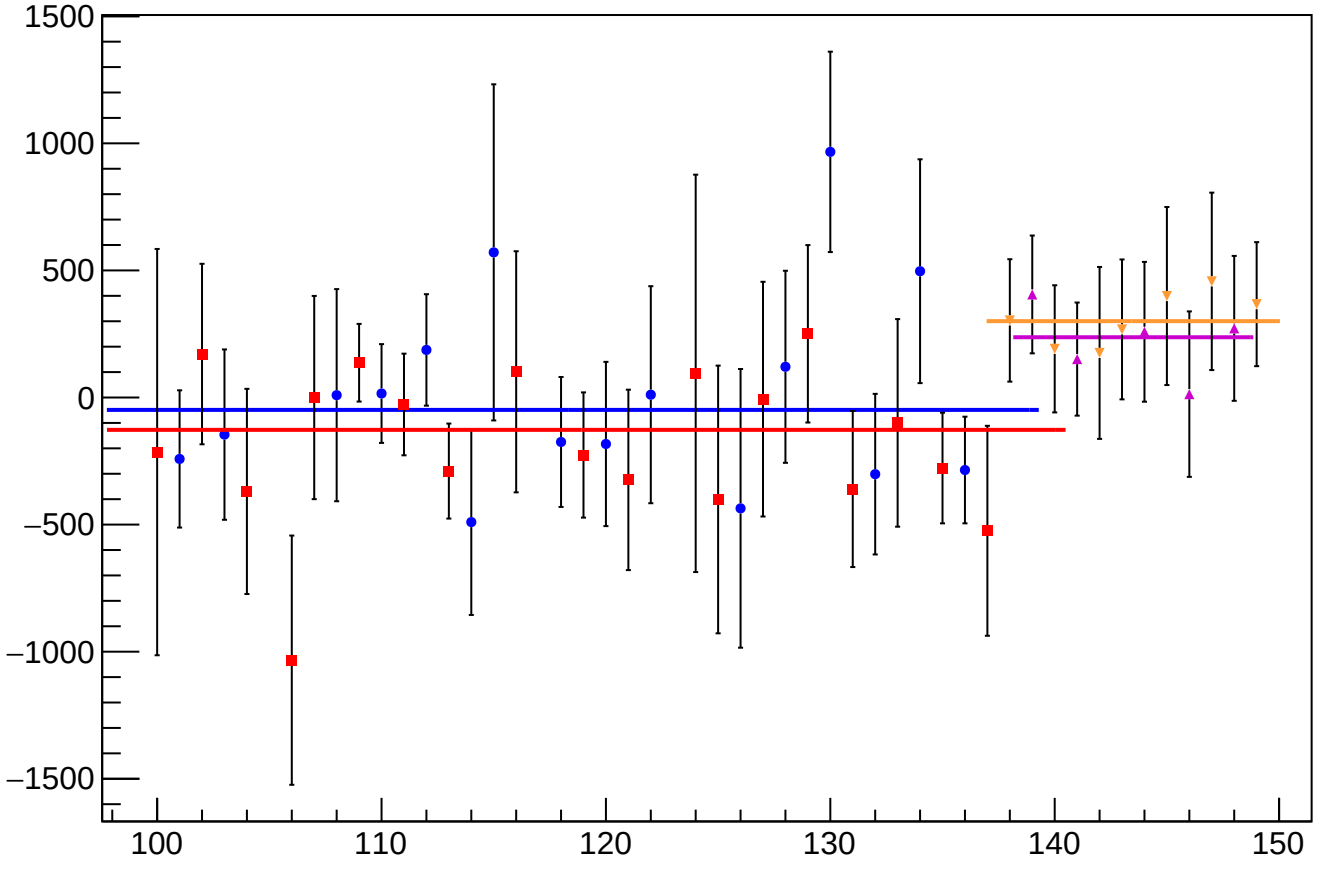
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 153.855+/-0.034 χ^2/NDF:1785070.0/20

Out: 149.306+/-0.031 χ^2/NDF:2166276.6/25

All: 151.398+/-0.023 χ^2/NDF: 3961075.6/46

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 300.436+/-106.400 χ^2/NDF:0.7/6

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: 271.610+/-78.536 χ^2/NDF: 2.0/11

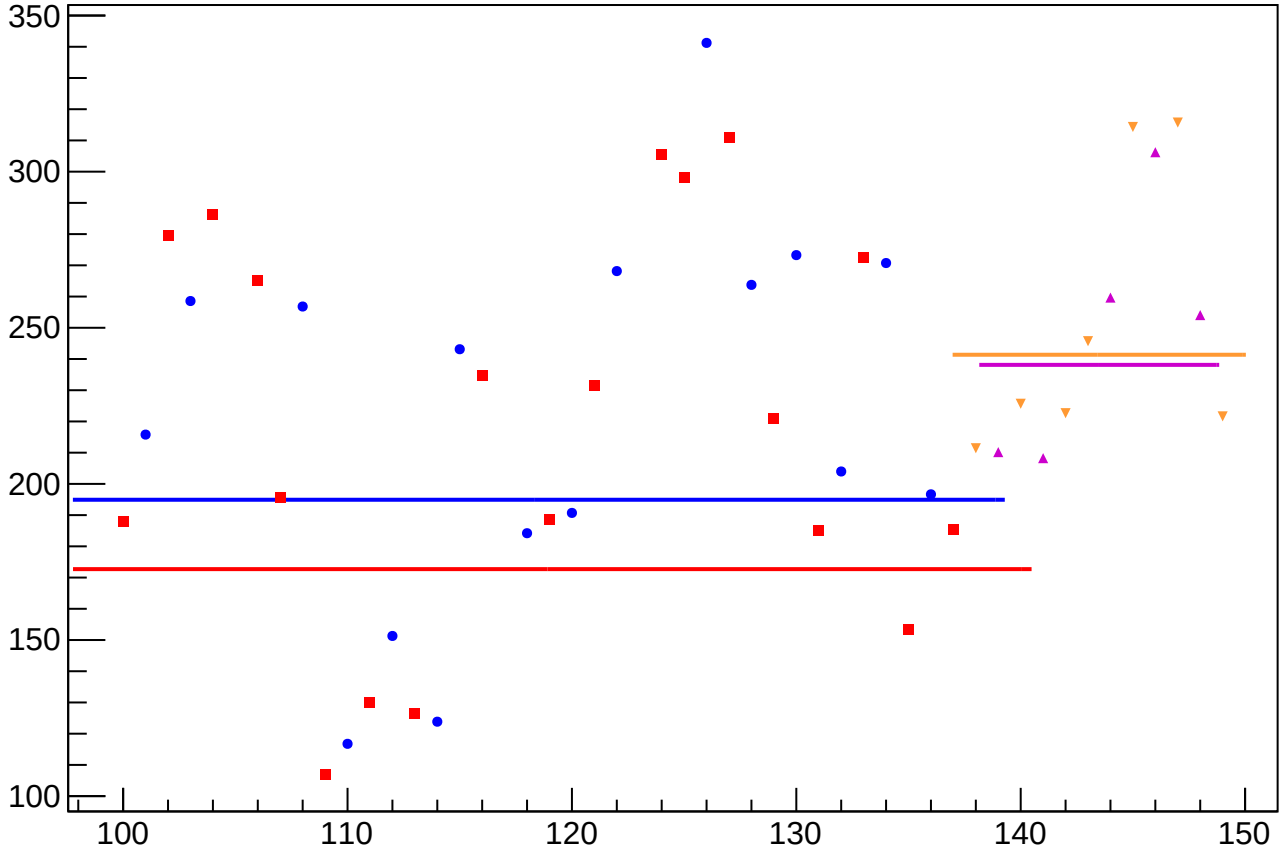
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 37.615+/-63.984 χ^2/NDF:20.8/20

Out: -1.912+/-57.600 χ^2/NDF:25.0/25

All: 15.782+/-42.809 χ^2/NDF: 46.0/46

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 241.363+/-0.075 χ^2/NDF:236095.6/6

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

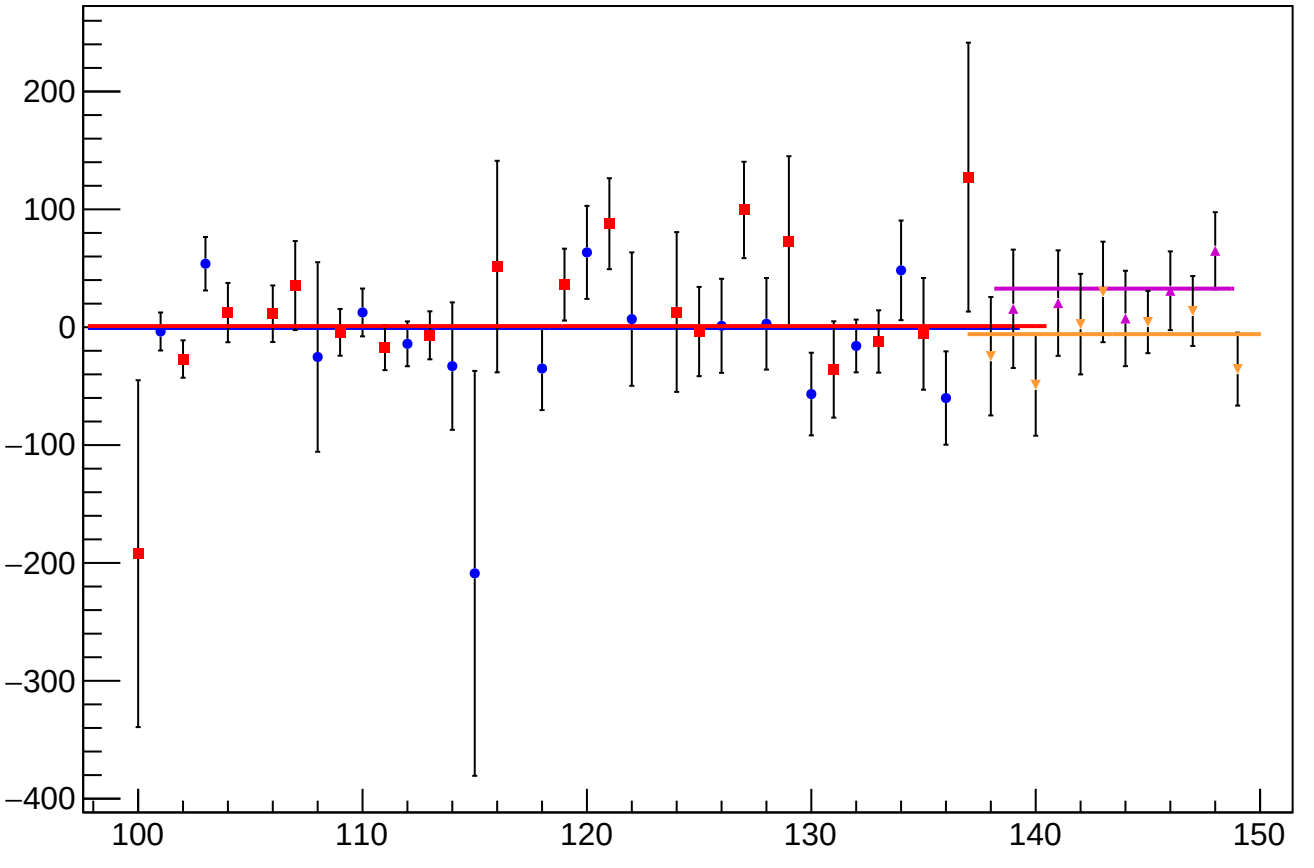
Left: 239.888+/-0.056 χ^2/NDF: 408177.4/11

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 207.974+/-0.045 χ^2/NDF:1392356.3/20

Out: 192.825+/-0.041 χ^2/NDF:2456190.9/25

All: 199.606+/-0.030 χ^2/NDF: 3910473.9/46



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -5.871+/-13.308 χ^2/NDF:3.4/6

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: 8.468+/-10.551 χ^2/NDF: 8.1/11

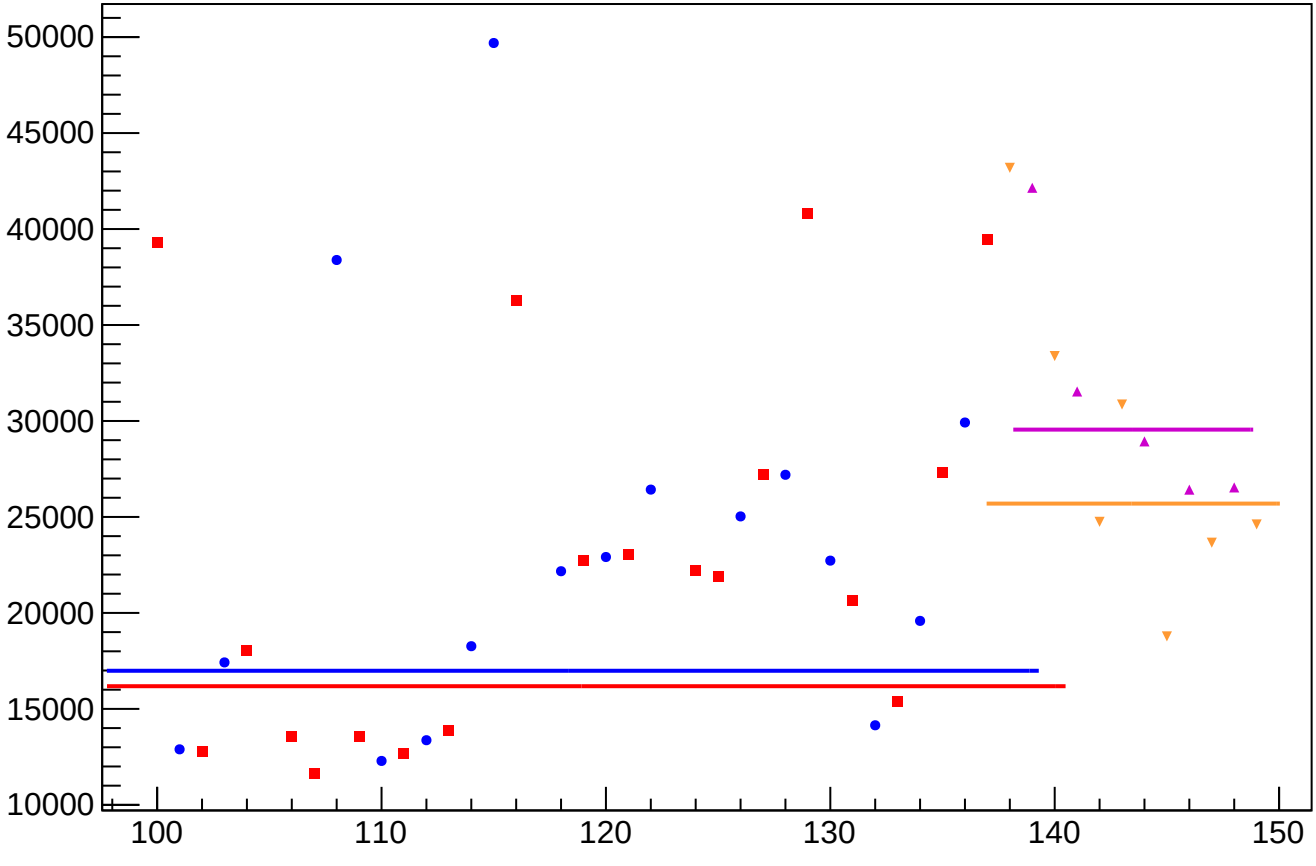
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 4.459+/-6.758 χ^2/NDF:23.6/20

Out: -0.461+/-6.032 χ^2/NDF:26.6/25

All: 1.720+/-4.500 χ^2/NDF: 50.5/46

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25695.724+/-9.410 χ^2/NDF:485318.1/6

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 29550.203+/-12.244 χ^2/NDF:164702.7/4

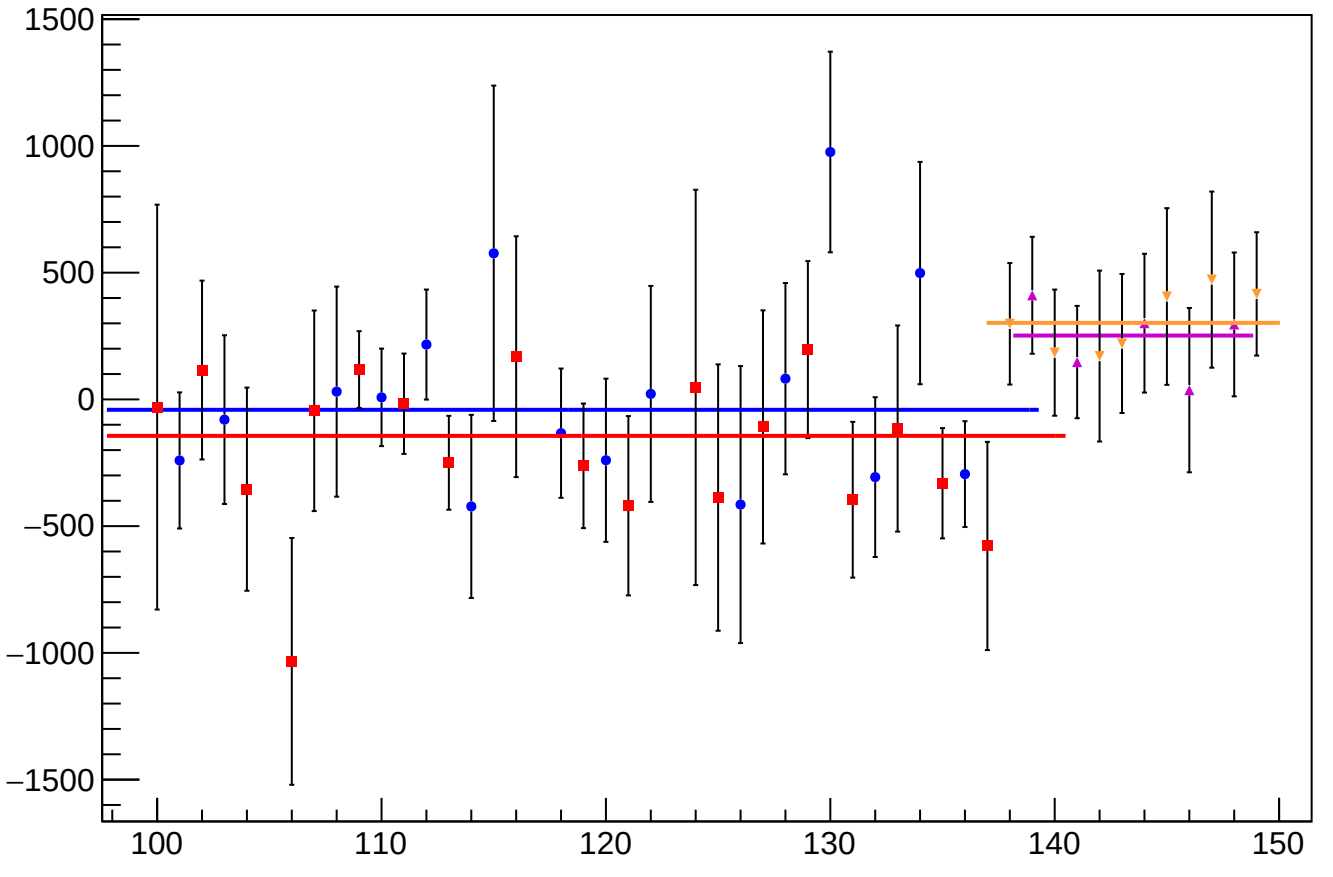
Left: 27127.047+/-7.461 χ^2/NDF: 712325.8/11

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 18900.292+/-4.779 χ^2/NDF:2251369.2/20

Out: 18136.536+/-4.265 χ^2/NDF:2548986.4/25

All: 18475.191+/-3.182 χ^2/NDF: 4814573.2/4



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 301.939+/-105.961 χ^2/NDF:1.0/6

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: 279.148+/-78.204 χ^2/NDF: 2.3/11

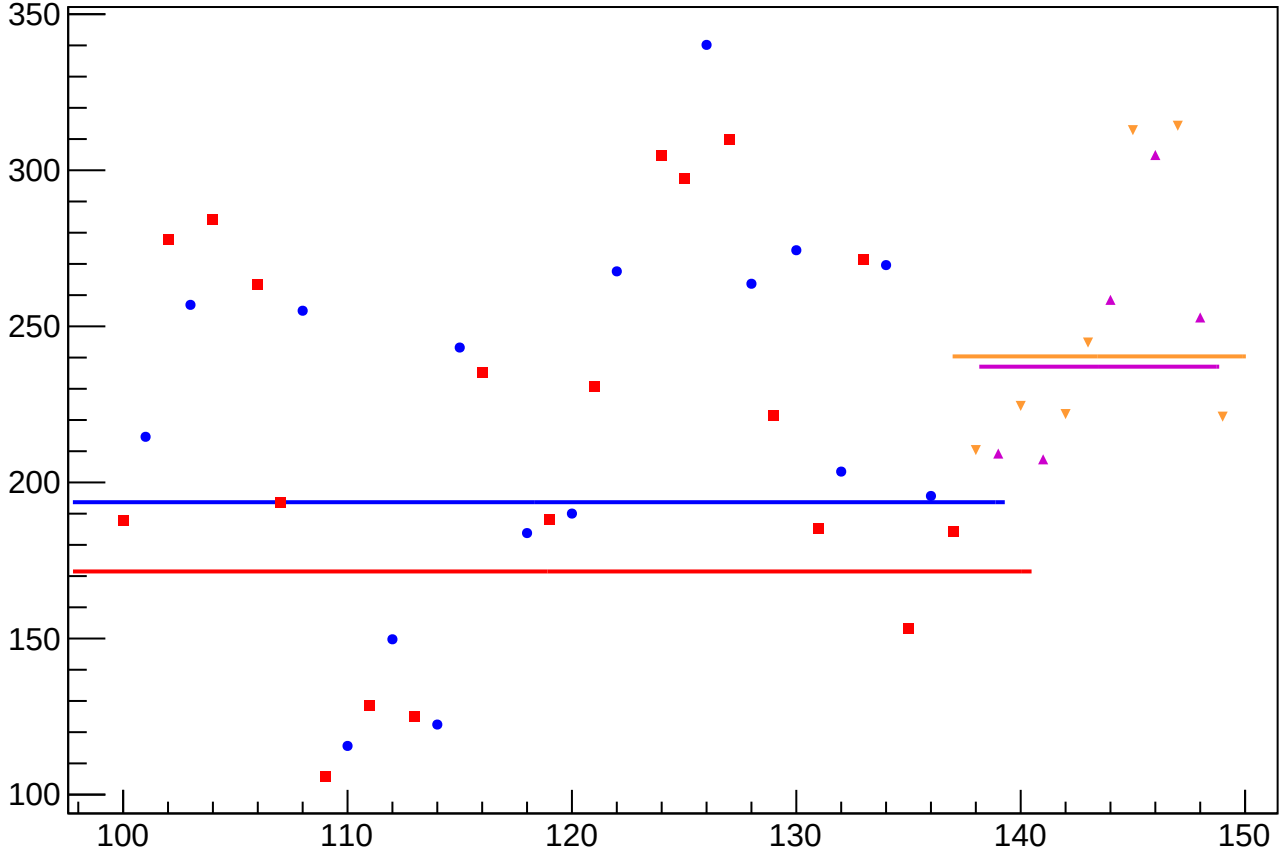
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 47.289+/-63.646 χ^2/NDF:21.1/20

Out: -13.575+/-57.277 χ^2/NDF:26.5/25

All: 13.660+/-42.575 χ^2/NDF: 48.2/46

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 240.374+/-0.075 χ^2/NDF:235540.2/6

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 237.083+/-0.082 χ^2/NDF:170934.5/4

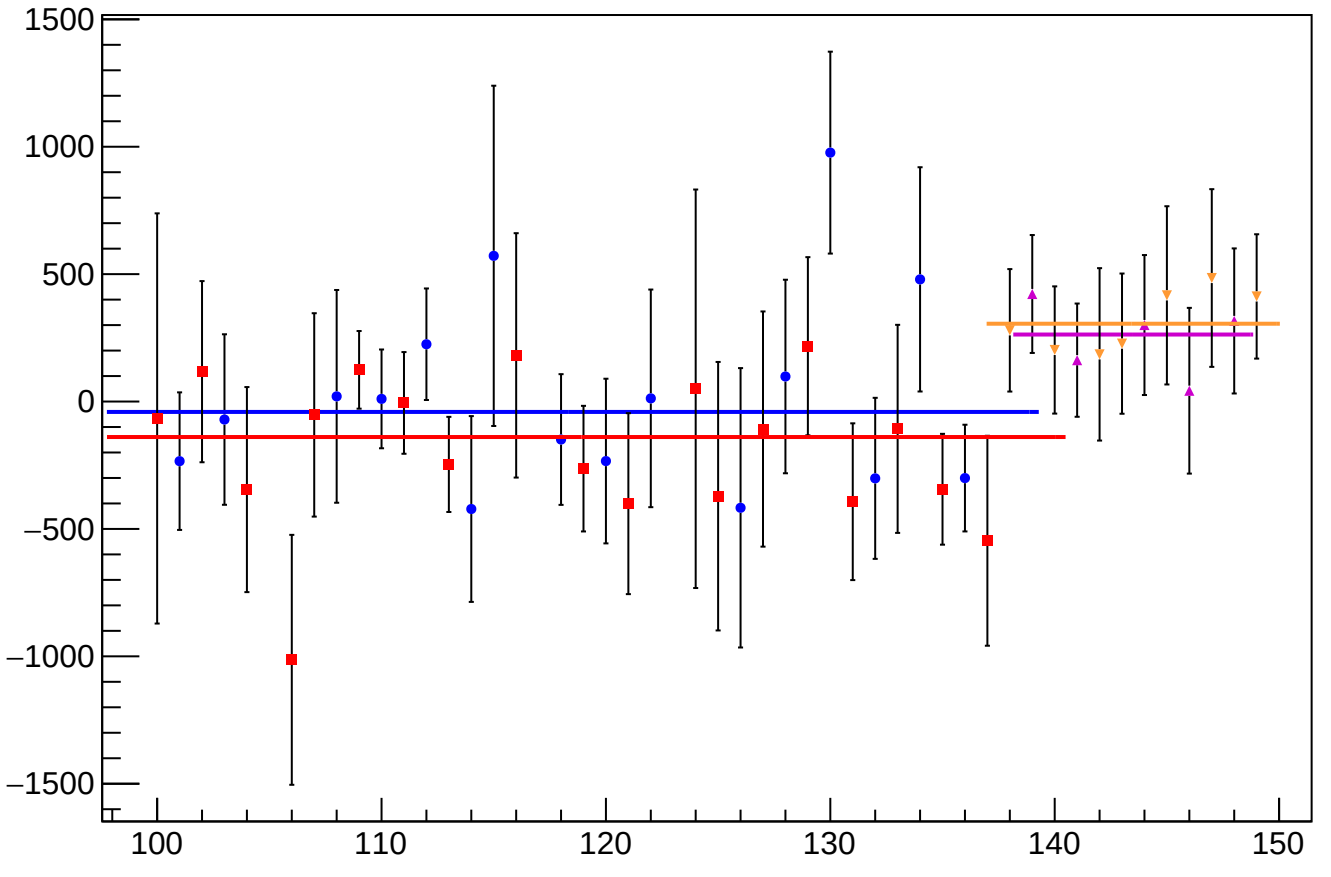
Left: 238.876+/-0.055 χ^2/NDF: 407352.9/11

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 206.762+/-0.045 χ^2/NDF:1416698.7/20

Out: 191.613+/-0.041 χ^2/NDF:2486897.2/25

All: 198.392+/-0.030 χ^2/NDF: 3966204.9/46



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 305.387+/-106.302 χ^2/NDF:0.9/6

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: 286.081+/-78.454 χ^2/NDF: 2.2/11

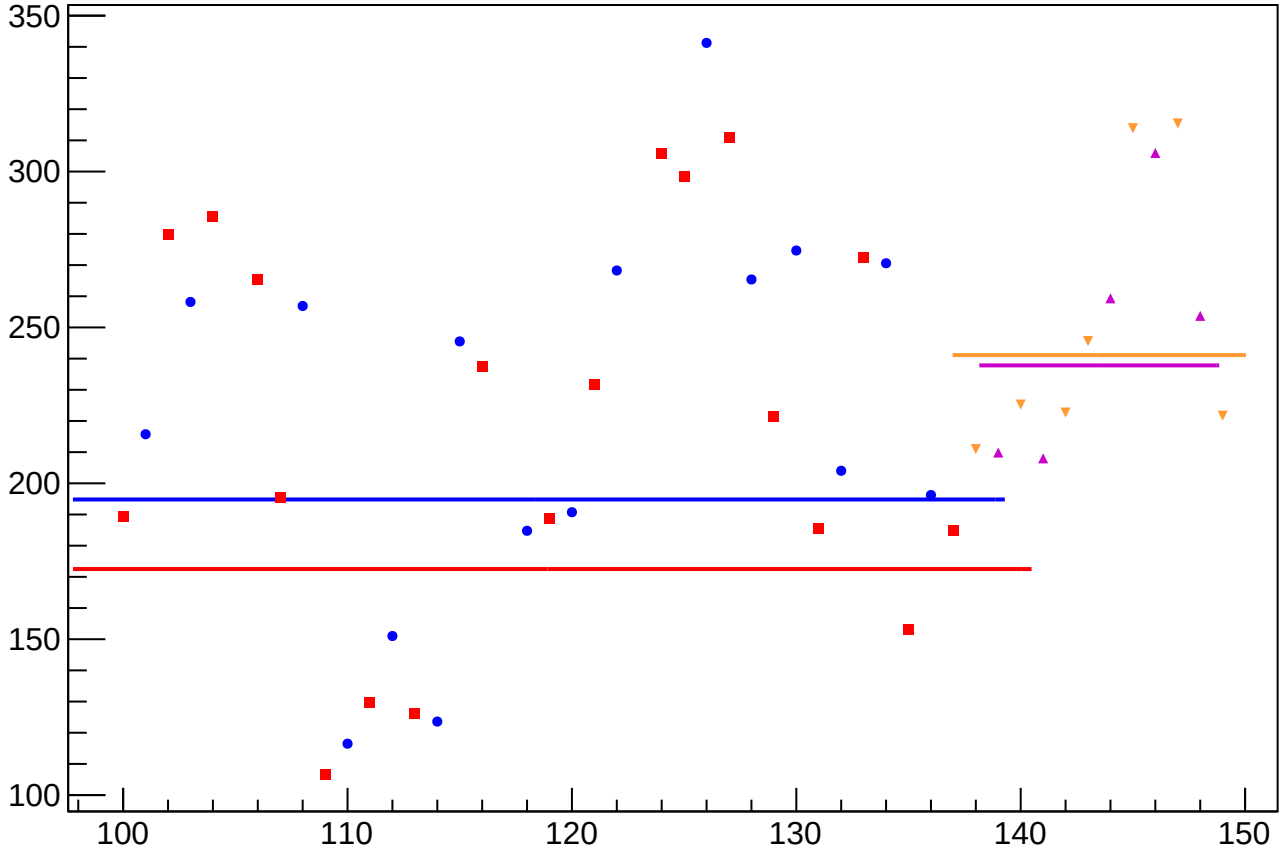
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 51.111+/-63.954 χ^2/NDF:21.3/20

Out: -8.929+/-57.556 χ^2/NDF:26.2/25

All: 17.939+/-42.782 χ^2/NDF: 48.0/46

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 241.136+/-0.075 χ^2/NDF:236150.1/6

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: 239.630+/-0.055 χ^2/NDF: 408456.9/11

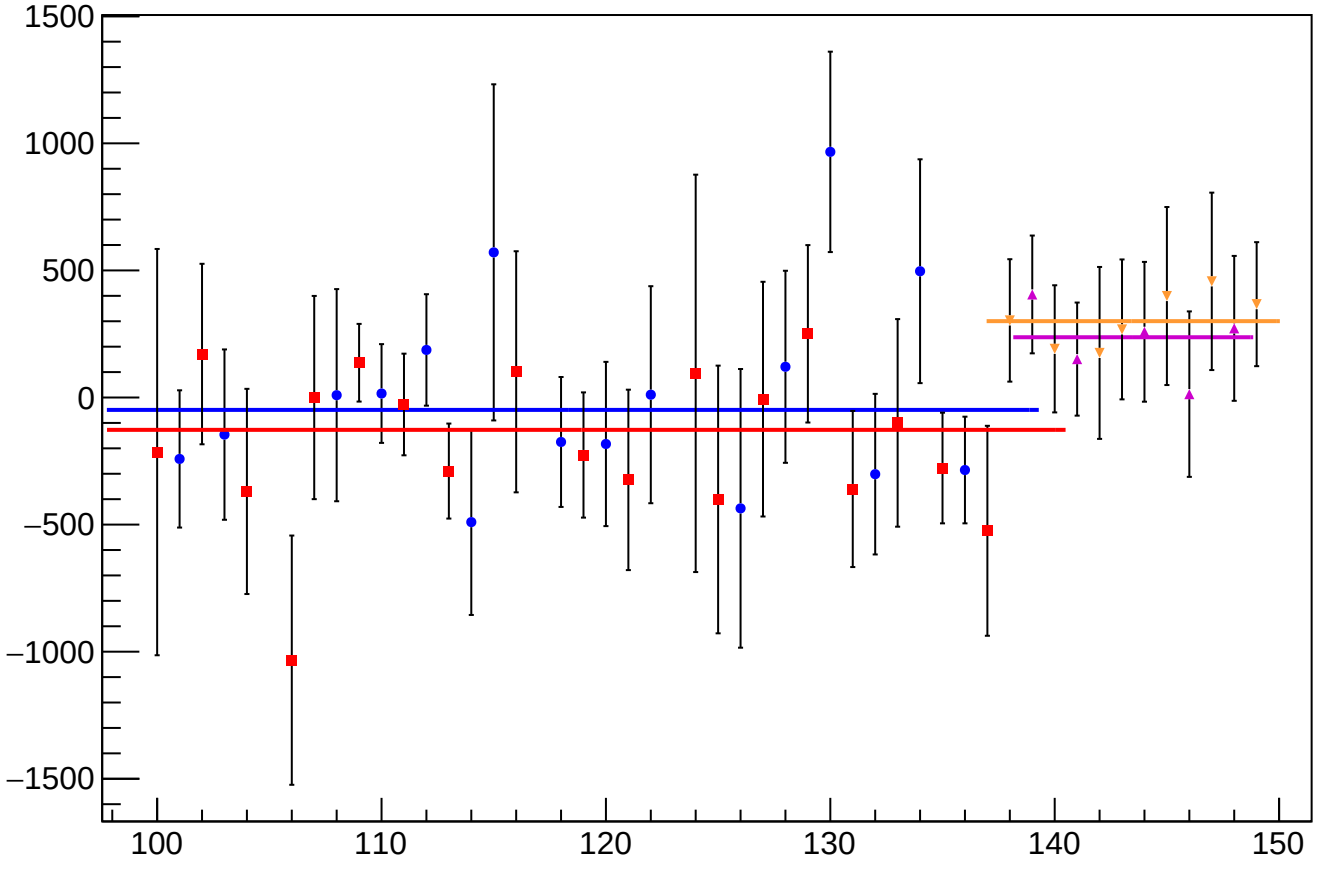
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 207.832+/-0.045 χ^2/NDF:1401390.9/20

Out: 192.626+/-0.041 χ^2/NDF:2467440.1/25

All: 199.431+/-0.030 χ^2/NDF: 3931299.0/46

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 300.436+/-106.400 χ^2/NDF:0.7/6

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: 271.610+/-78.536 χ^2/NDF: 2.0/11

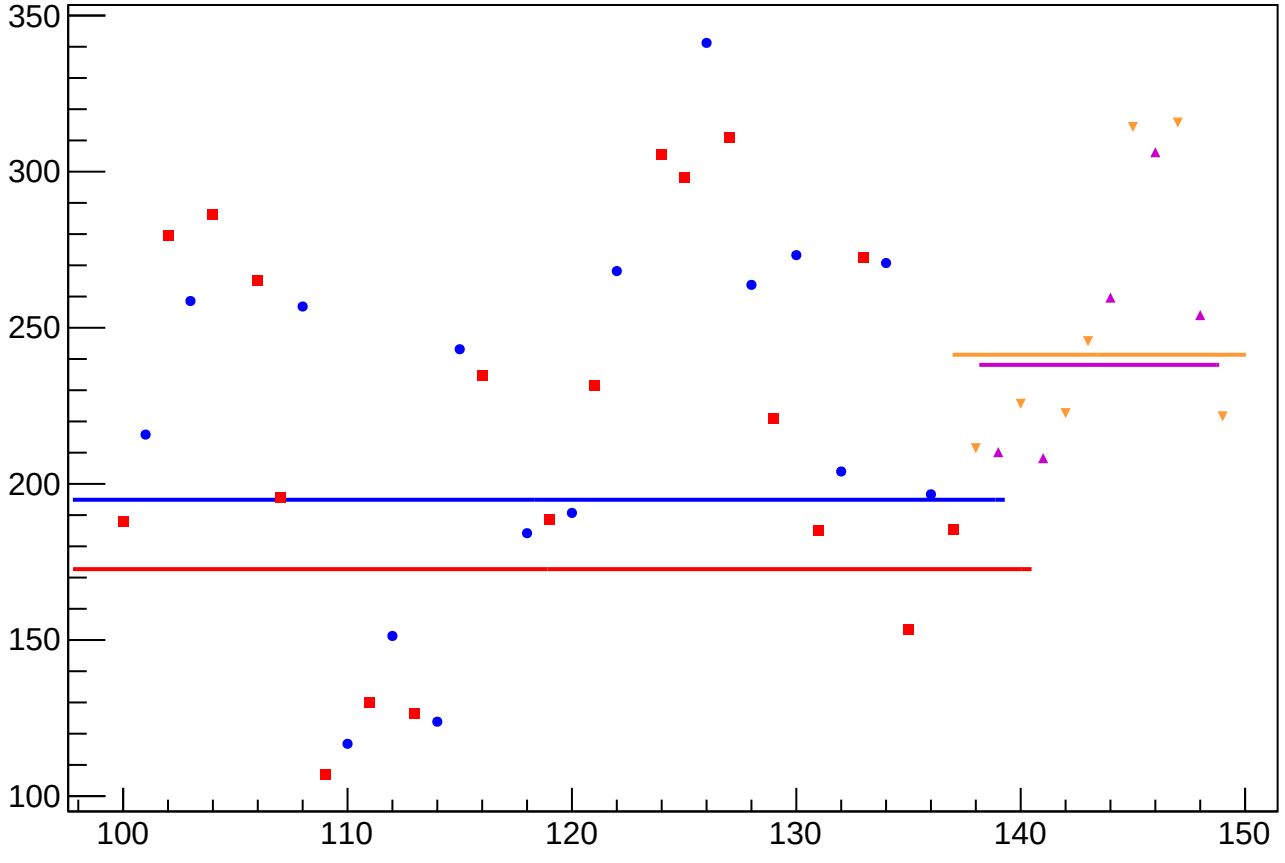
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 37.615+/-63.984 χ^2/NDF:20.8/20

Out: -1.912+/-57.600 χ^2/NDF:25.0/25

All: 15.782+/-42.809 χ^2/NDF: 46.0/46

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 241.363+/-0.075 χ^2/NDF:236095.6/6

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 238.121+/-0.082 χ^2/NDF:171236.7/4

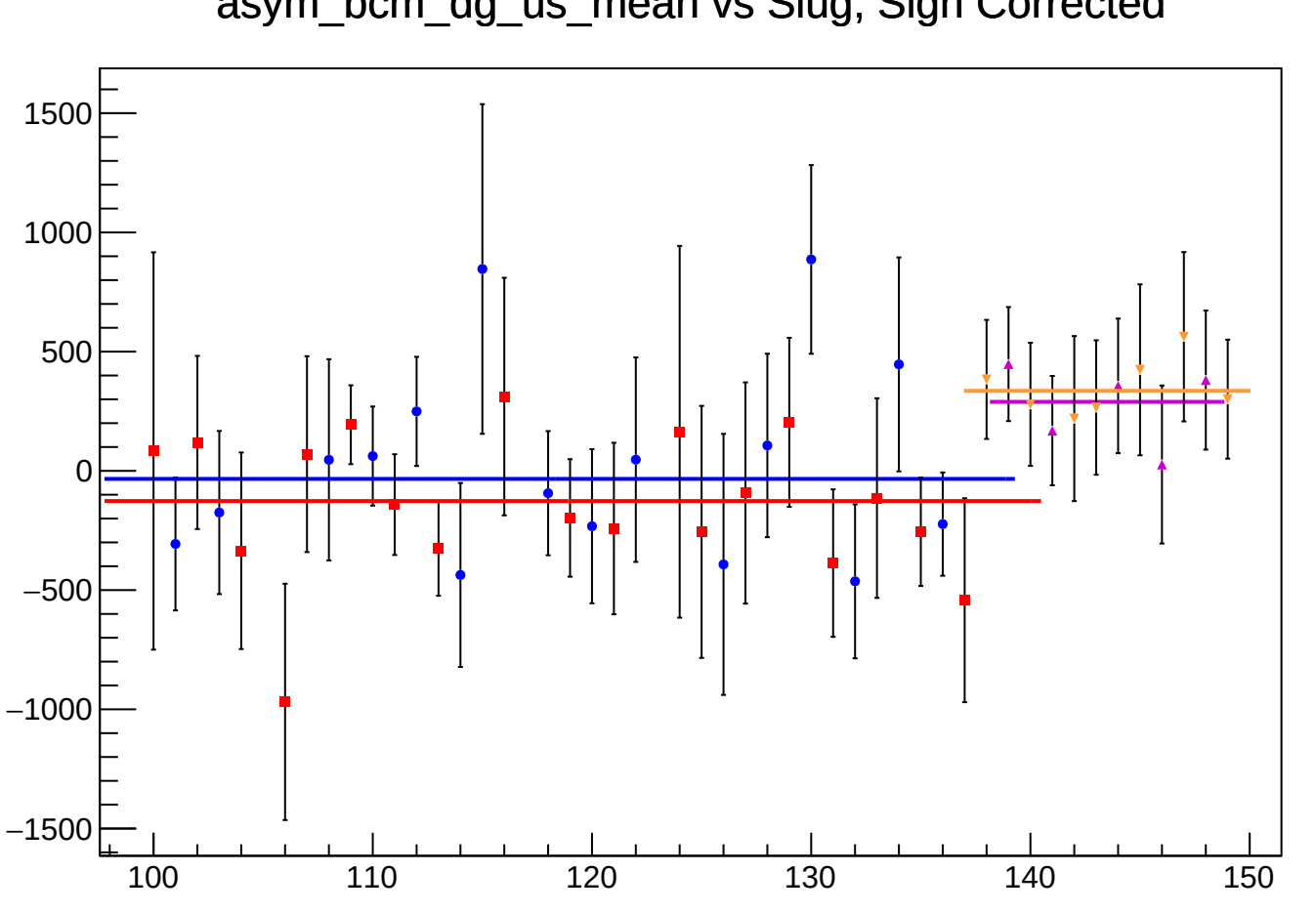
Left: 239.888+/-0.056 χ^2/NDF: 408177.4/11

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 207.974+/-0.045 χ^2/NDF:1392356.3/20

Out: 192.825+/-0.041 χ^2/NDF:2456190.9/25

All: 199.606+/-0.030 χ^2/NDF: 3910473.9/46



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 335.564+/-109.248 χ^2/NDF:0.7/6

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: 314.581+/-80.660 χ^2/NDF: 2.3/11

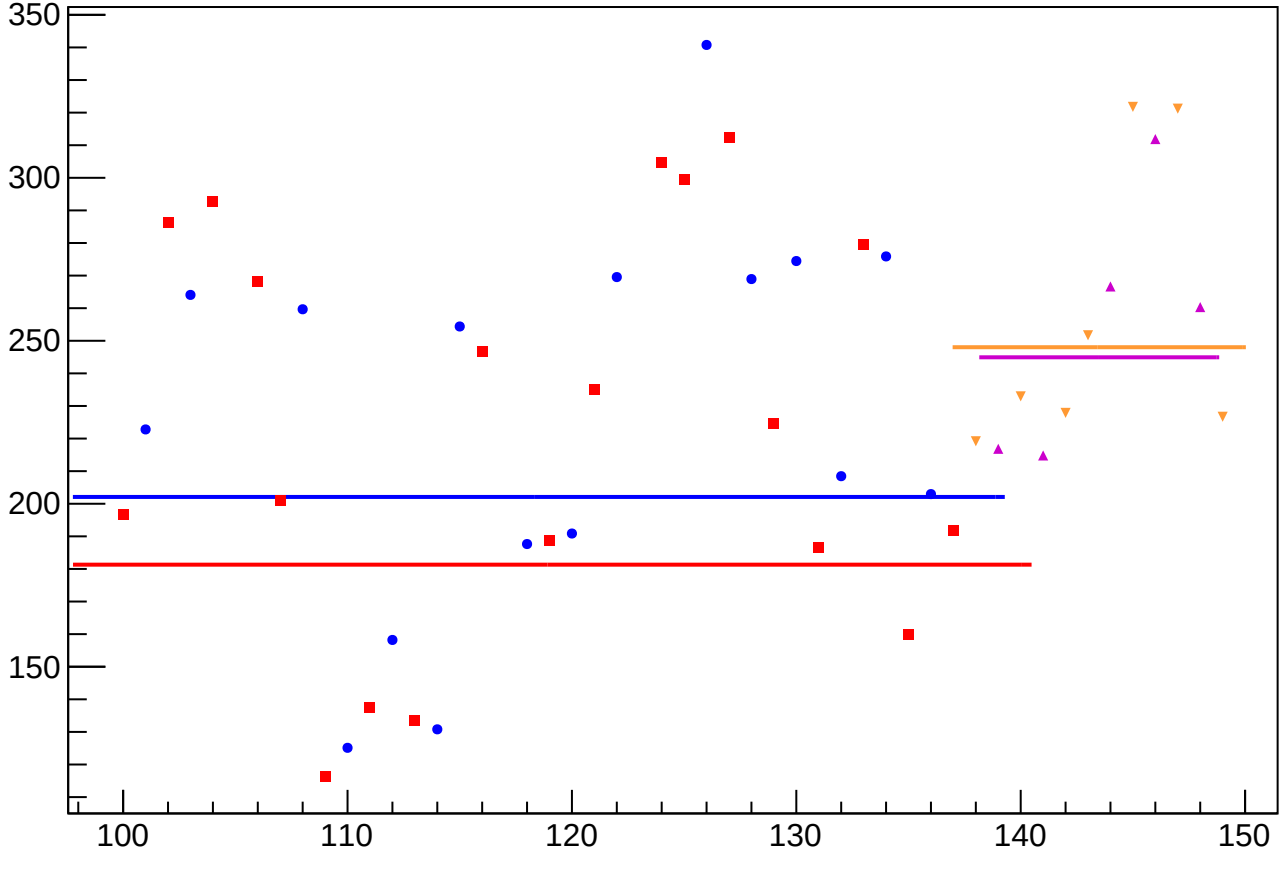
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 64.436+/-65.915 χ^2/NDF:22.3/20

Out: 11.503+/-59.714 χ^2/NDF:26.0/25

All: 35.363+/-44.254 χ^2/NDF: 48.7/46

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 248.025+/-0.077 χ^2/NDF:224966.2/6

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 244.931+/-0.085 χ^2/NDF:161129.9/4

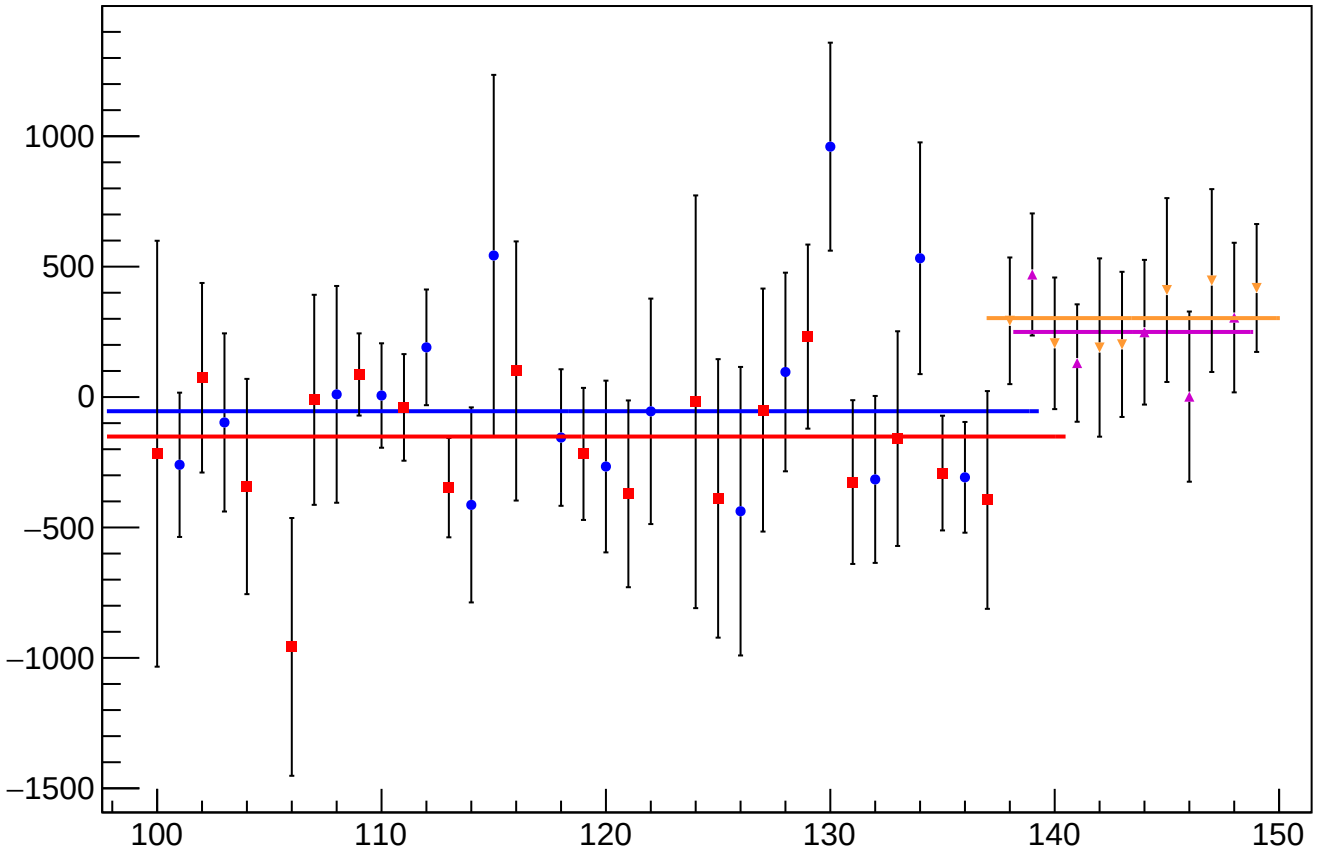
Left: 246.618+/-0.057 χ^2/NDF: 386825.6/11

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 215.104+/-0.047 χ^2/NDF:1250073.4/20

Out: 201.244+/-0.042 χ^2/NDF:2188935.1/25

All: 207.491+/-0.031 χ^2/NDF: 3487579.0/46



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 302.691+/-107.230 χ^2/NDF:0.9/6

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: 278.546+/-79.178 χ^2/NDF: 2.8/11

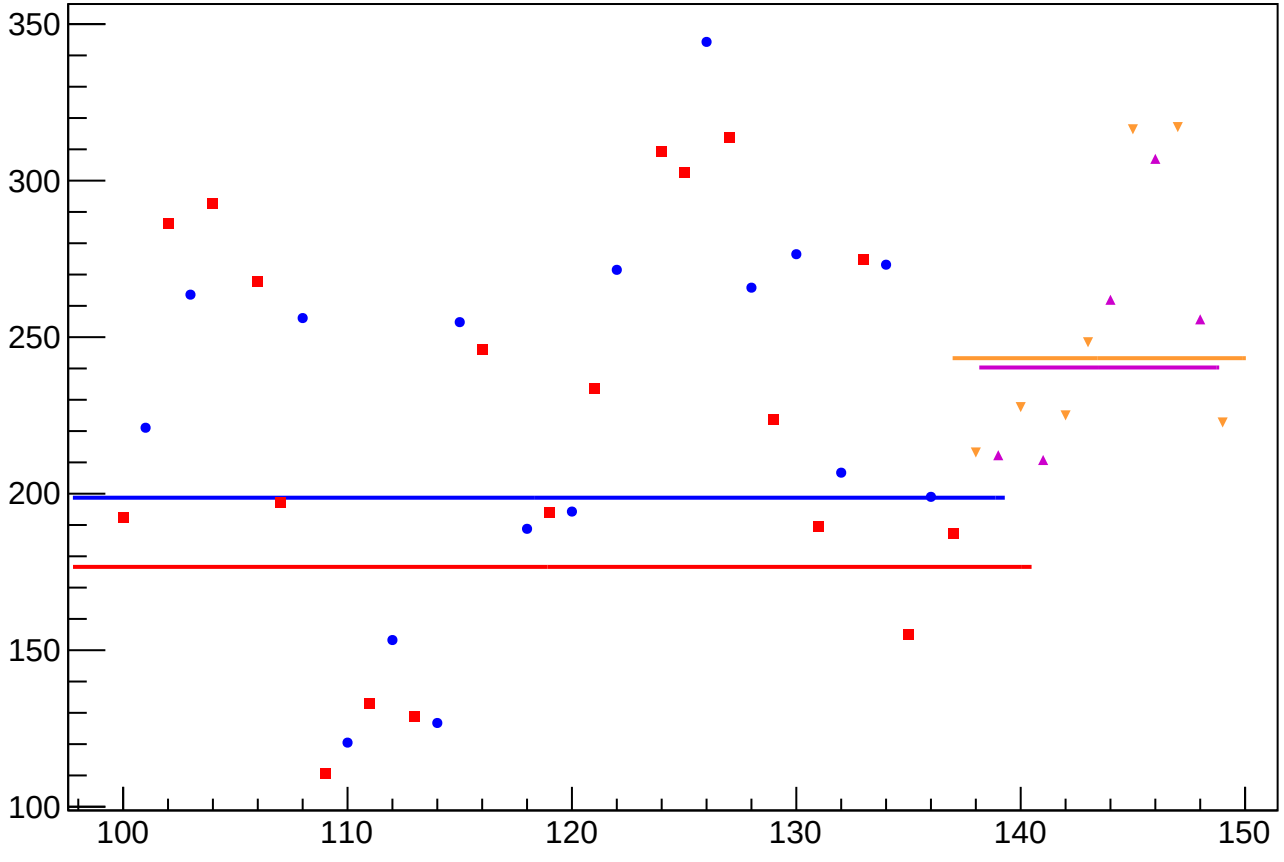
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 38.696+/-64.939 χ^2/NDF:21.5/20

Out: -15.949+/-58.558 χ^2/NDF:23.7/25

All: 8.558+/-43.488 χ^2/NDF: 45.6/46

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 243.287+/-0.076 χ^2/NDF:233601.5/6

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: 241.934+/-0.056 χ^2/NDF: 398828.3/11

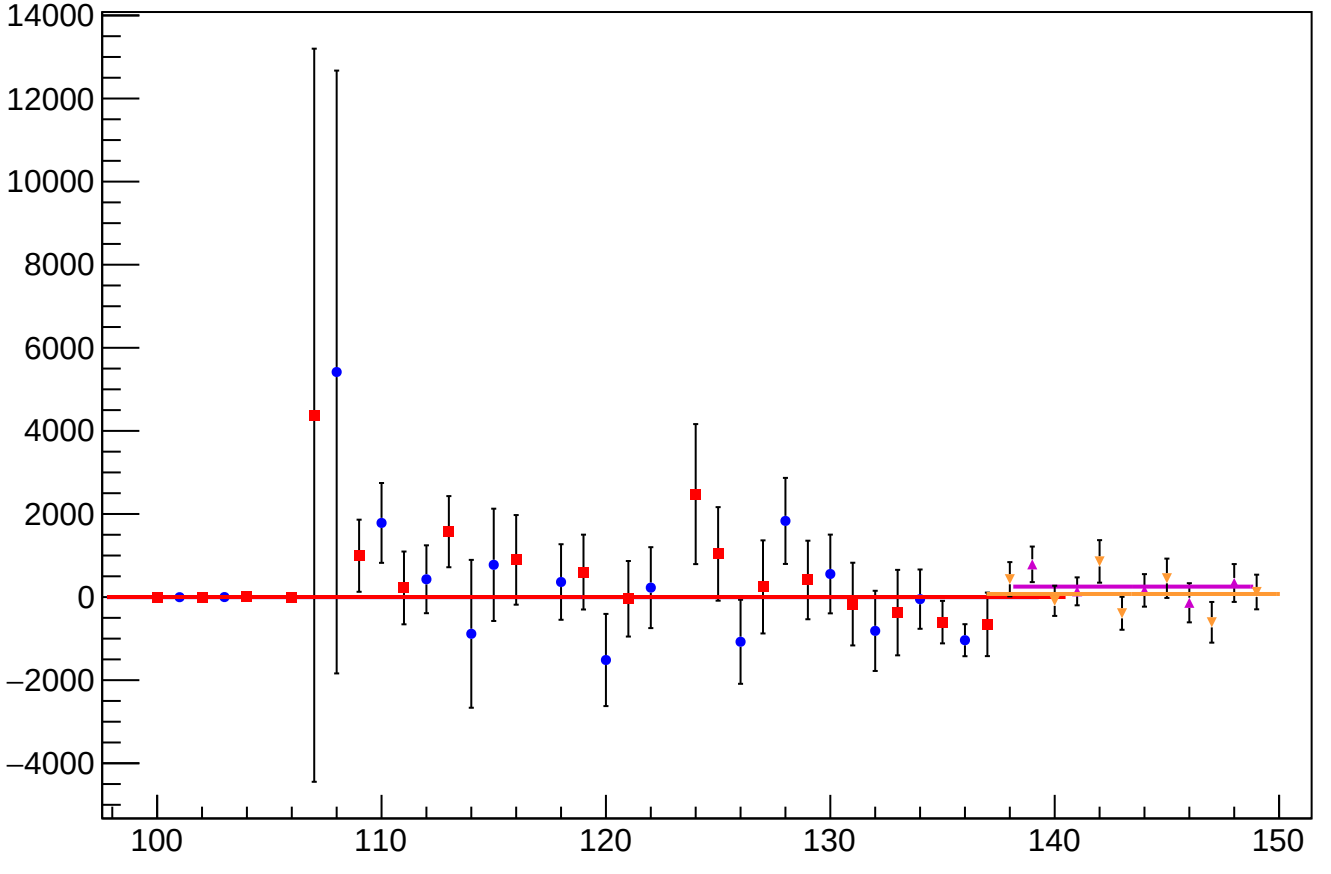
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 211.442+/-0.046 χ^2/NDF:1332802.8/20

Out: 196.503+/-0.041 χ^2/NDF:2371818.7/25

All: 203.203+/-0.031 χ^2/NDF: 3762997.9/46

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 74.447+/-162.179 χ^2/NDF:7.3/6

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: 152.814+/-121.121 χ^2/NDF: 10.2/11

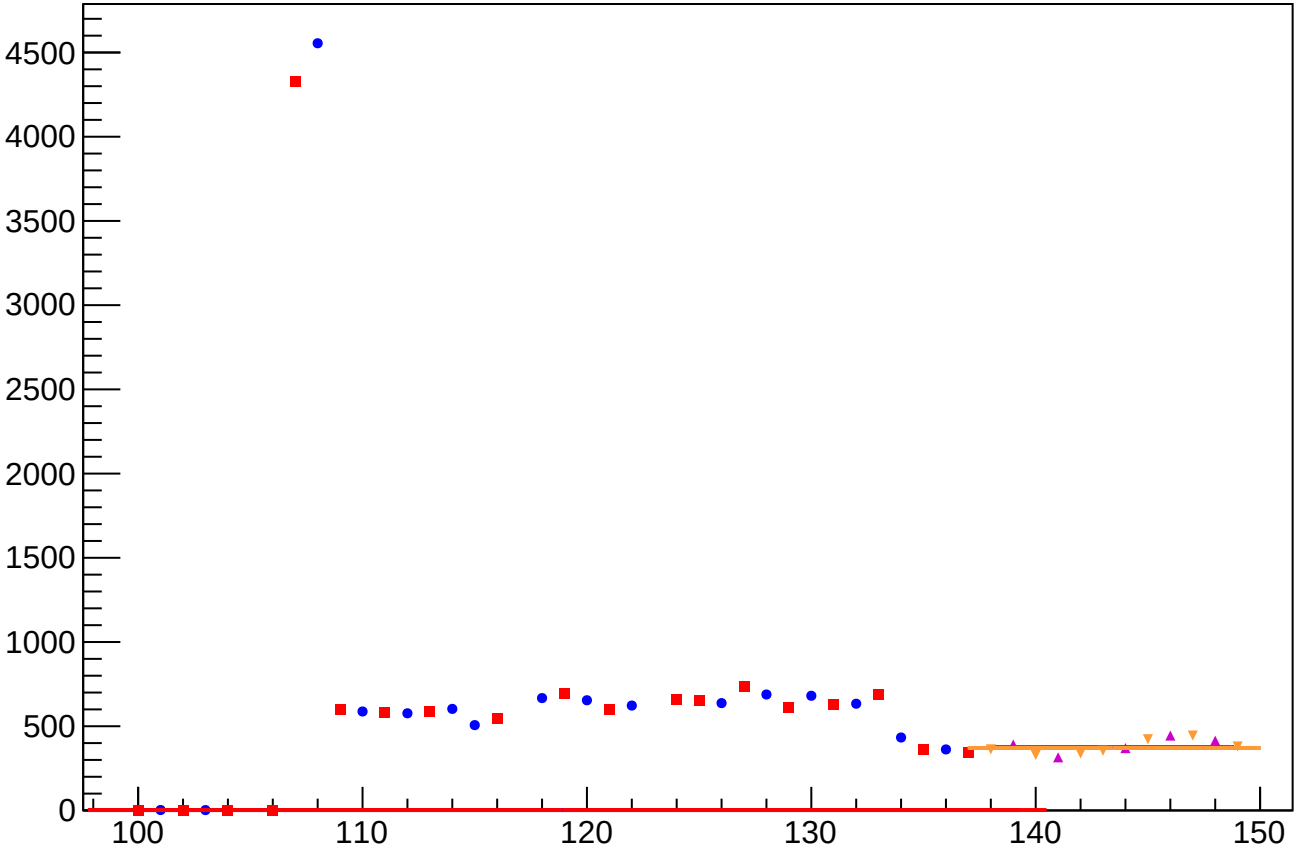
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.203+/-2.171 χ^2/NDF:24.3/20

Out: 1.389+/-2.022 χ^2/NDF:24.3/25

All: 0.185+/-1.480 χ^2/NDF: 49.4/46

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 370.879+/-0.115 χ^2/NDF:108448.1/6

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: 373.257+/-0.086 χ^2/NDF: 233797.7/11

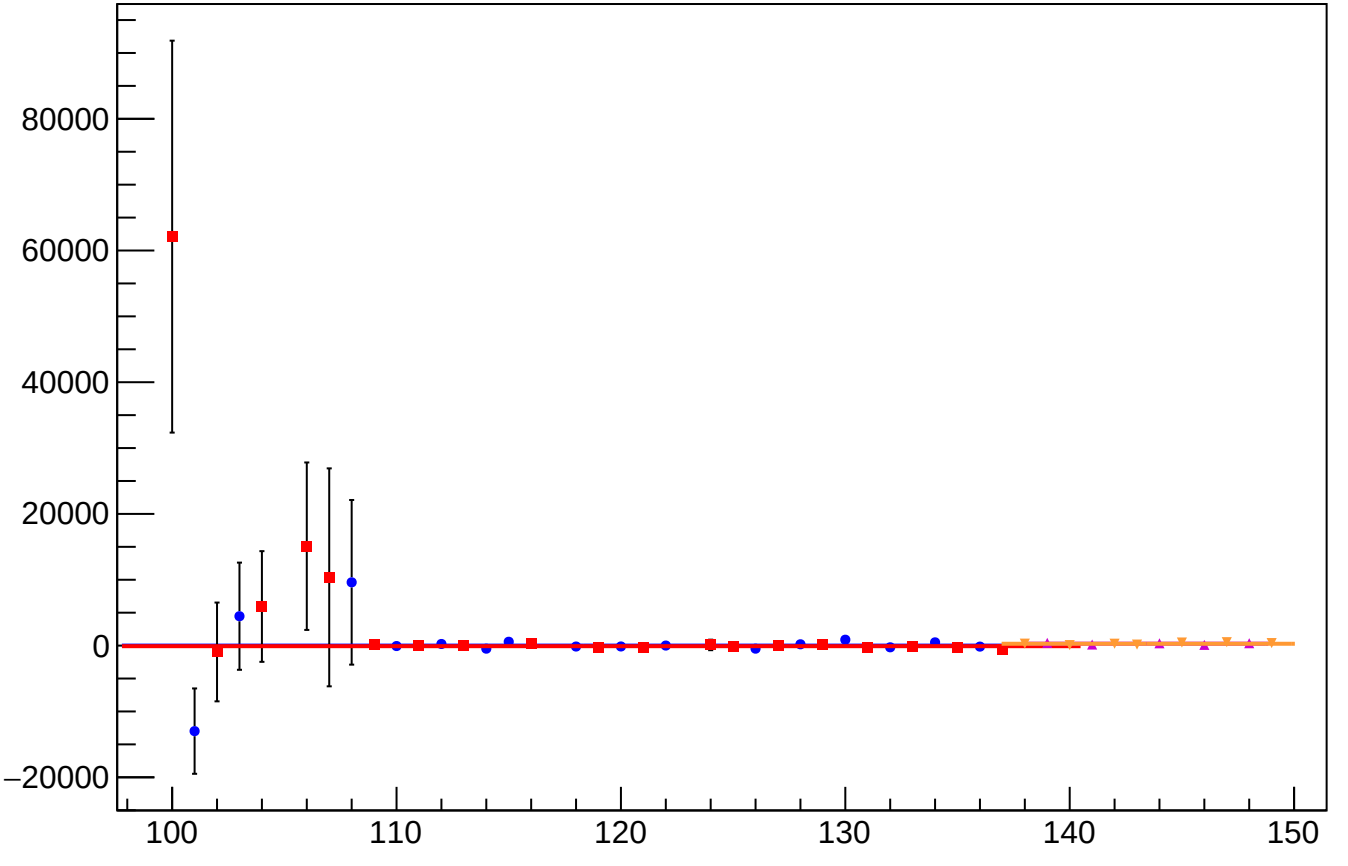
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.530+/-0.002 χ^2/NDF:20172589.5/20

Out: 2.519+/-0.001 χ^2/NDF:21973198.3/25

All: 2.524+/-0.001 χ^2/NDF: 42145812.1/46

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 280.291+/-112.779 χ^2/NDF:1.7/6

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: 284.771+/-82.492 χ^2/NDF: 2.6/11

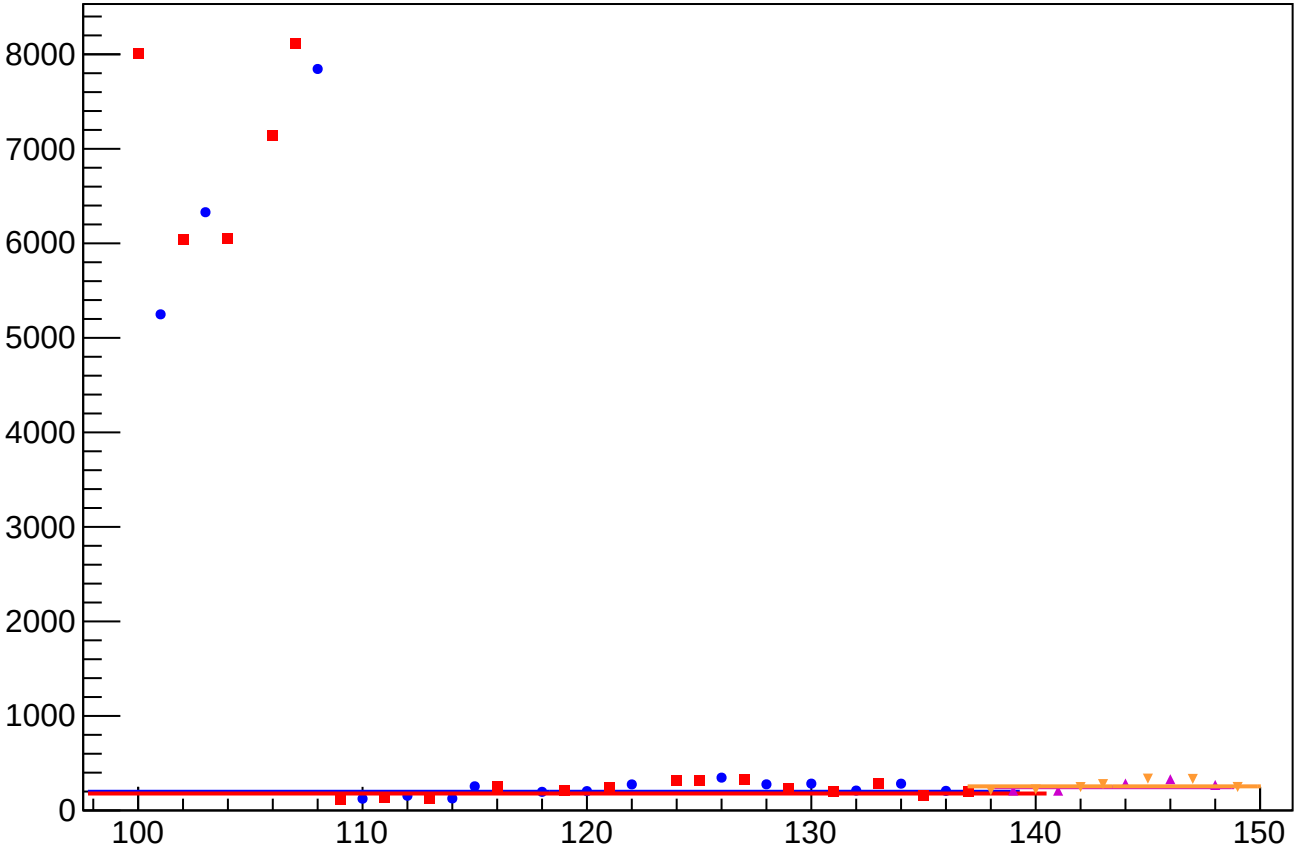
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 100.439+/-71.070 χ^2/NDF:21.6/20

Out: 38.504+/-66.113 χ^2/NDF:23.5/25

All: 67.237+/-48.406 χ^2/NDF: 45.5/46

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 255.009+/-0.080 χ^2/NDF:294436.7/6

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 246.067+/-0.086 χ^2/NDF:261310.5/4

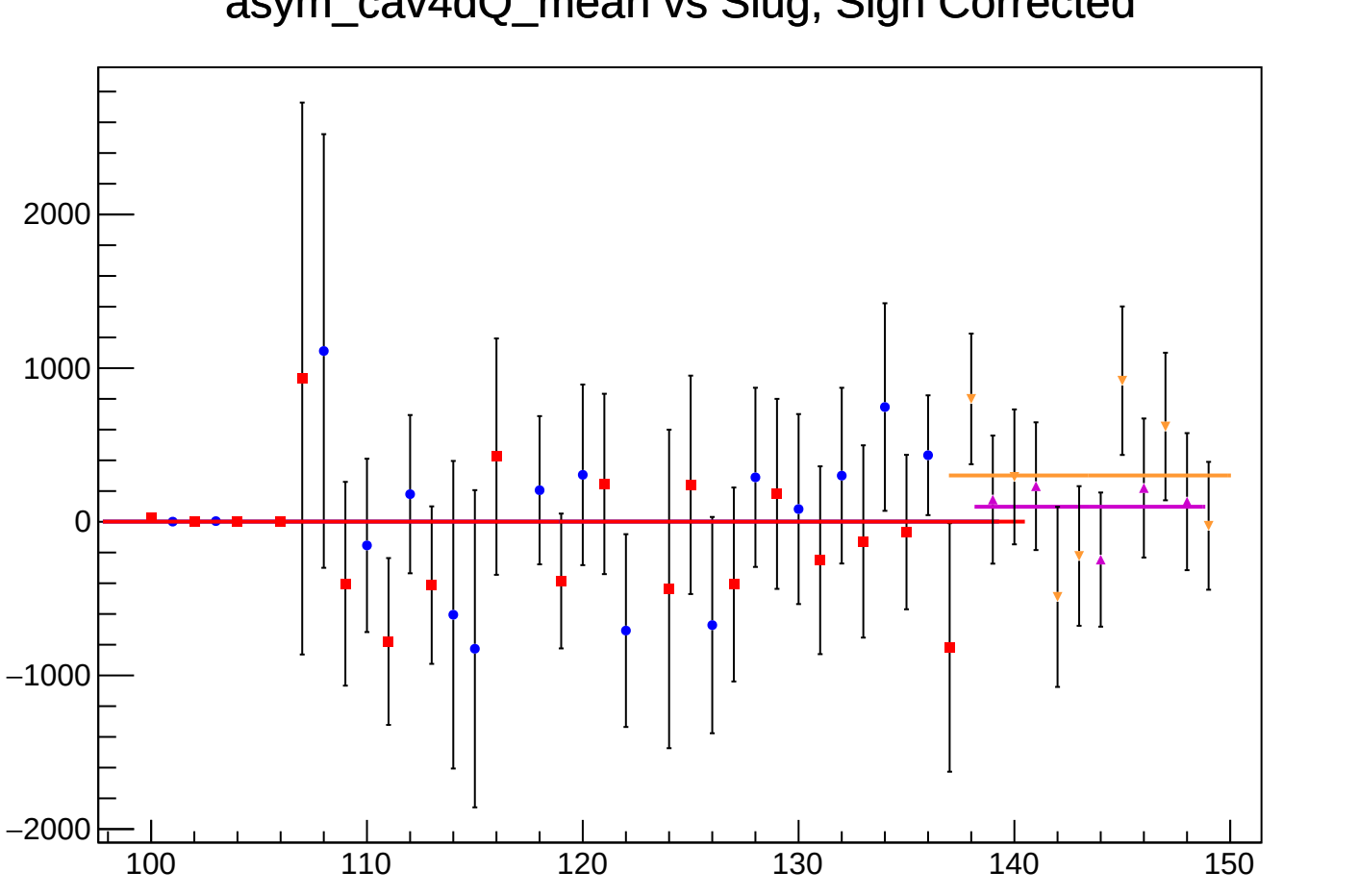
Left: 250.851+/-0.058 χ^2/NDF: 561593.5/11

Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 214.340+/-0.050 χ^2/NDF:4428560.0/20

Out: 205.284+/-0.047 χ^2/NDF:5305211.8/25

All: 209.485+/-0.034 χ^2/NDF: 9751181.0/46



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 301.554+/-174.411 χ^2/NDF:7.2/6

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: 210.260+/-129.558 χ^2/NDF: 8.6/11

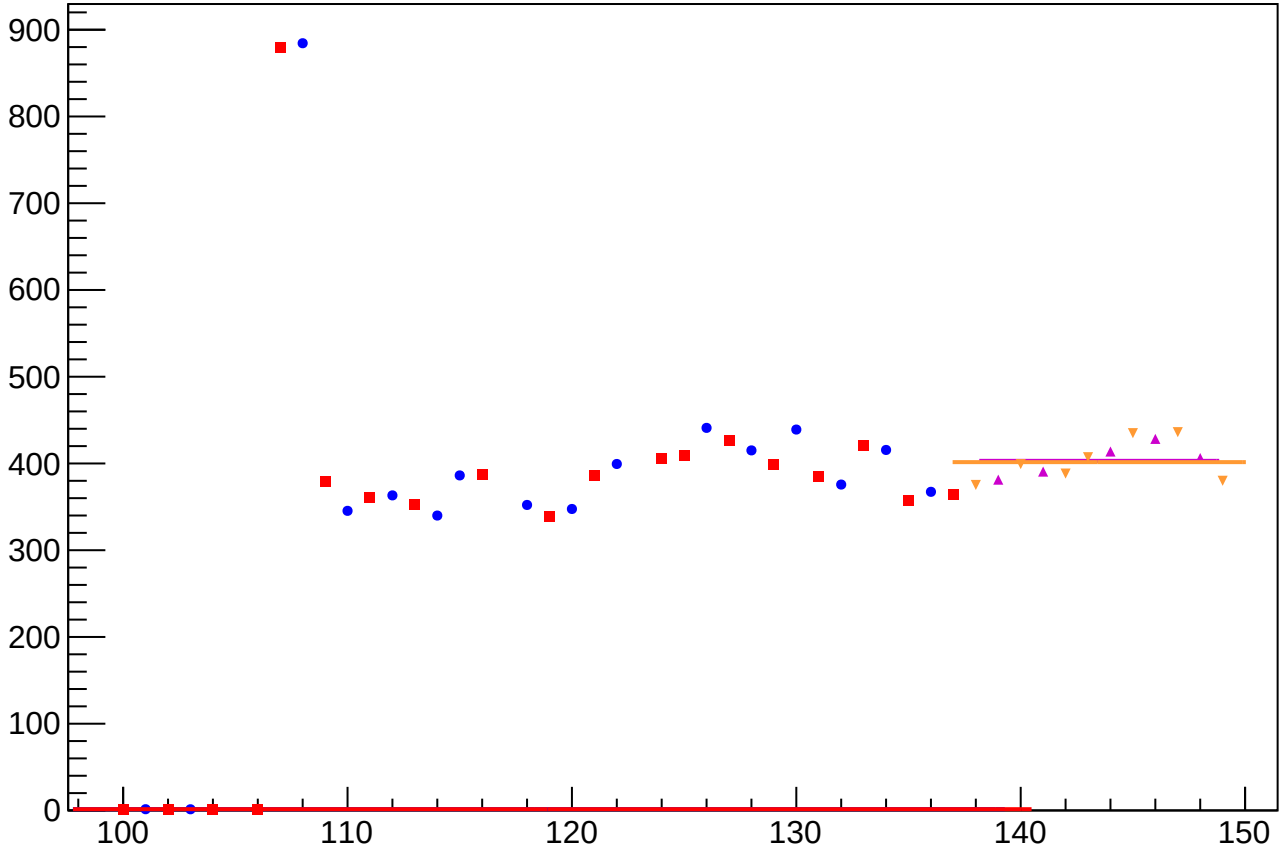
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.463+/-1.660 χ^2/NDF:8.9/20

Out: 1.117+/-1.528 χ^2/NDF:19.3/25

All: 1.275+/-1.124 χ^2/NDF: 28.3/46

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 401.541+/-0.123 χ^2/NDF:34261.2/6

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: 402.205+/-0.092 χ^2/NDF: 49084.9/11

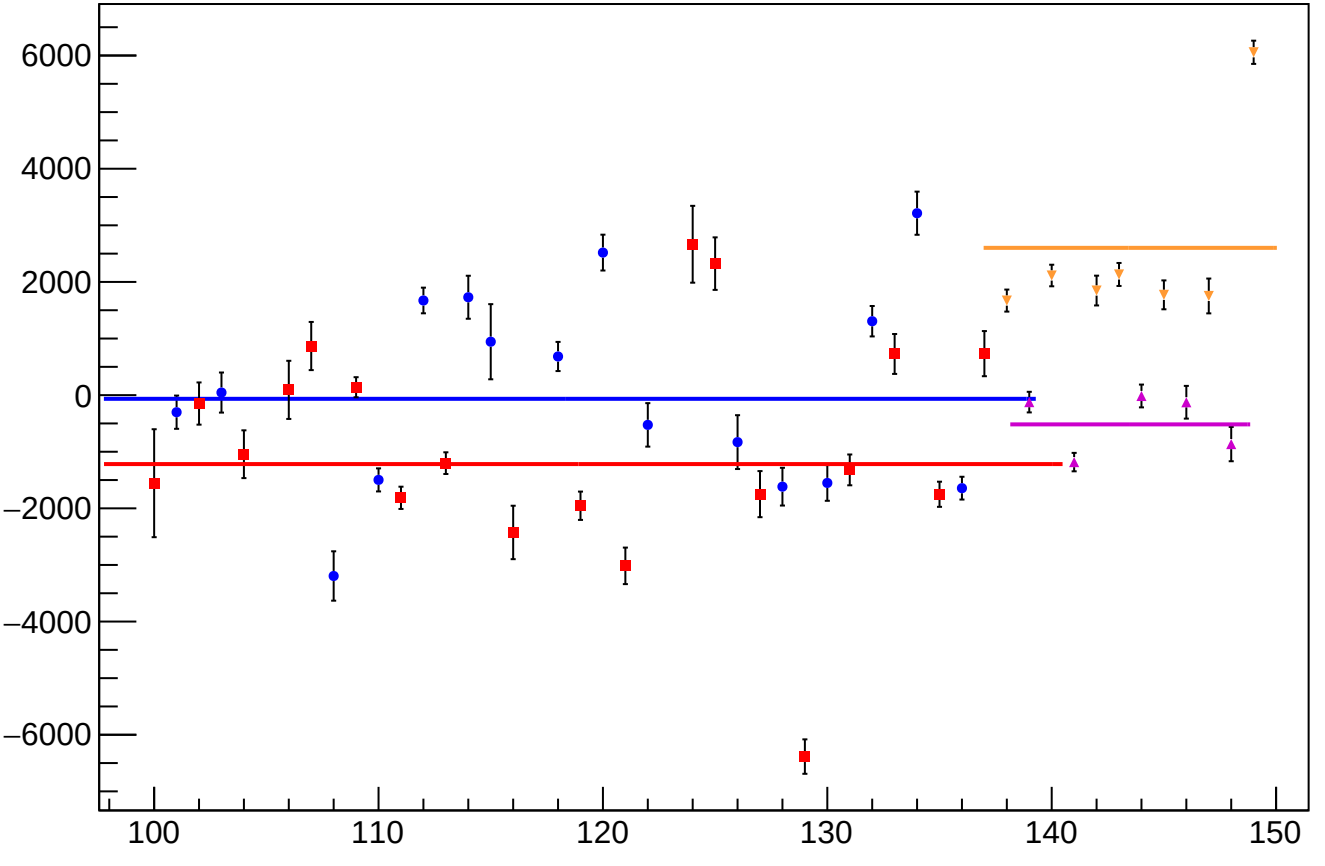
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.500+/-0.001 χ^2/NDF:20360587.3/20

Out: 1.498+/-0.001 χ^2/NDF:21827485.2/25

All: 1.499+/-0.001 χ^2/NDF: 42188073.9/46

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 2602.120+/-83.826 χ^2/NDF:344.9/6

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: 1205.624+/-62.292 χ^2/NDF: 995.5/11

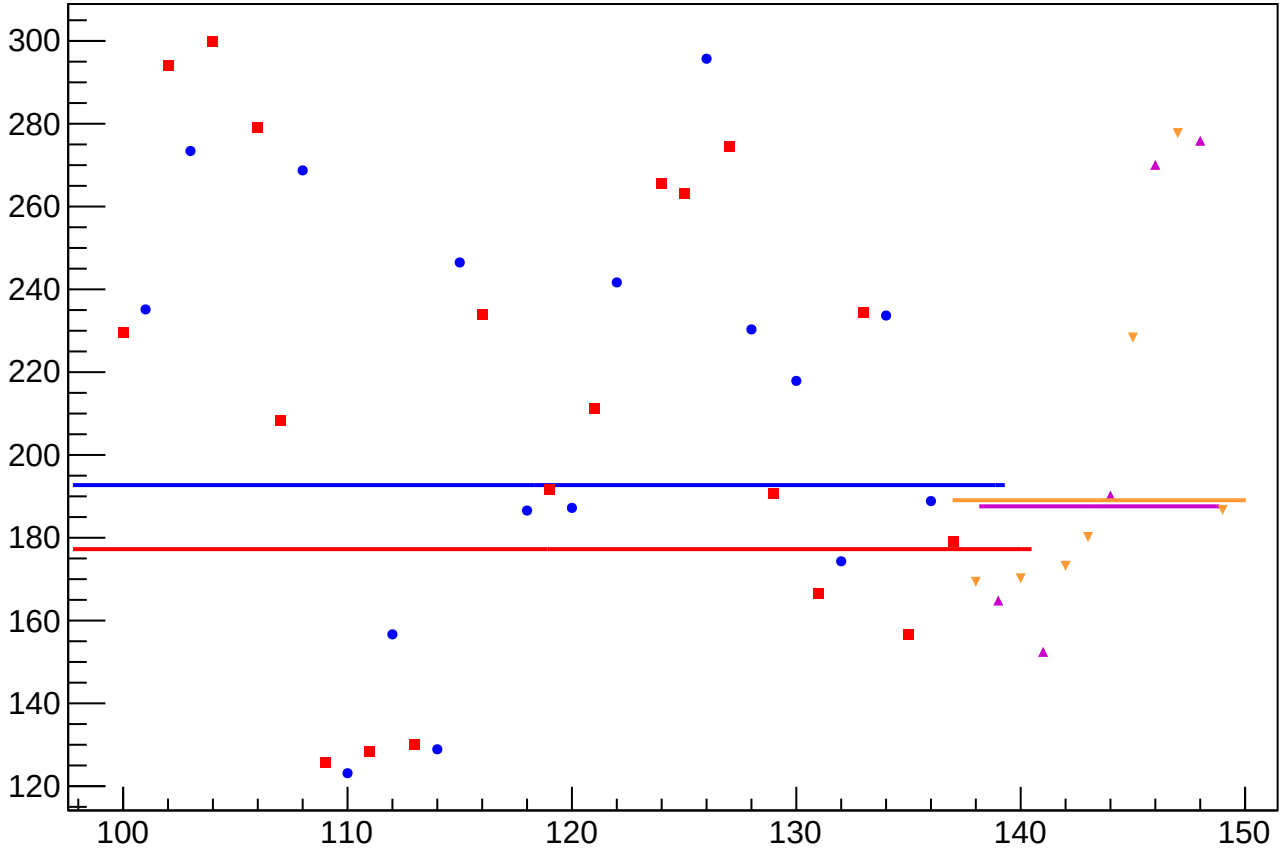
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -242.447+/-58.354 χ^2/NDF:514.5/20

Out: 325.605+/-53.284 χ^2/NDF:2177.1/25

All: 67.323+/-39.348 χ^2/NDF: 2743.3/46

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 189.060+/-0.059 χ^2/NDF:265087.1/6

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: 188.400+/-0.044 χ^2/NDF: 722643.6/11

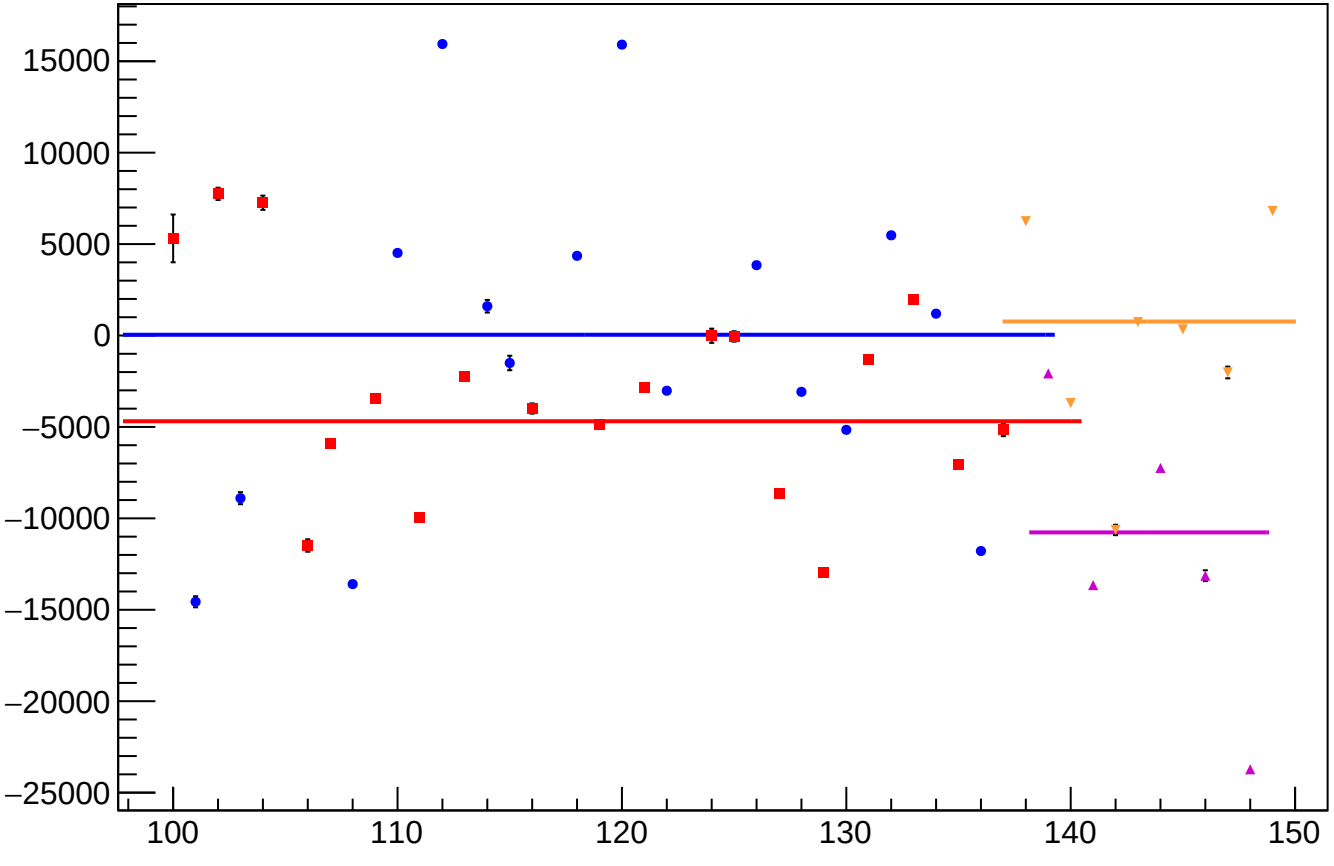
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 190.702+/-0.041 χ^2/NDF:1220118.0/20

Out: 182.023+/-0.038 χ^2/NDF:1514921.0/25

All: 185.969+/-0.028 χ^2/NDF: 2759166.6/46

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 764.615+/-89.854 χ^2/NDF:3645.4/6

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: -4470.736+/-66.397 χ^2/NDF: 16555.6/11

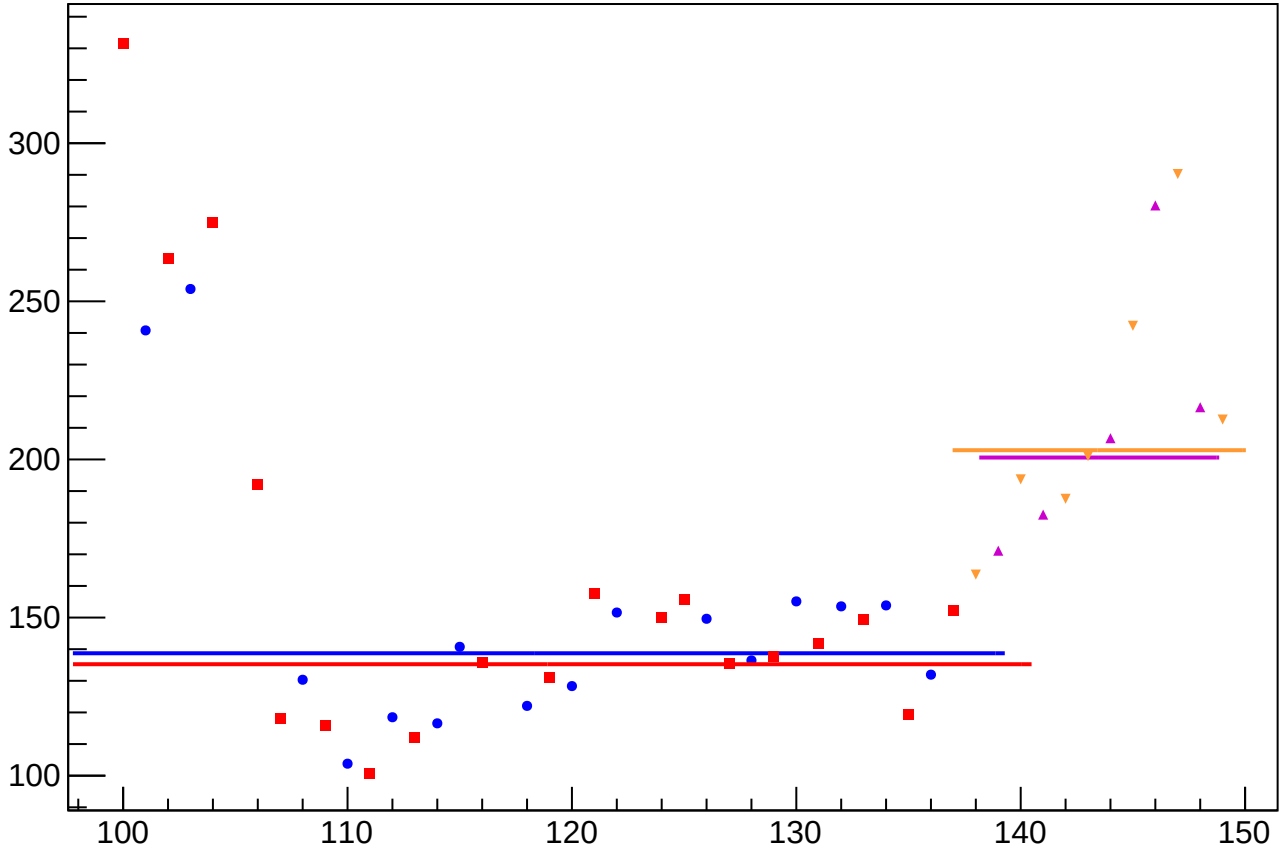
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -2469.290+/-47.490 χ^2/NDF:45454.9/20

Out: -3317.532+/-45.068 χ^2/NDF:14198.8/25

All: -2915.591+/-32.691 χ^2/NDF: 59821.5/46

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 202.921+/-0.064 χ^2/NDF:292889.2/6

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: 201.869+/-0.047 χ^2/NDF: 513906.6/11

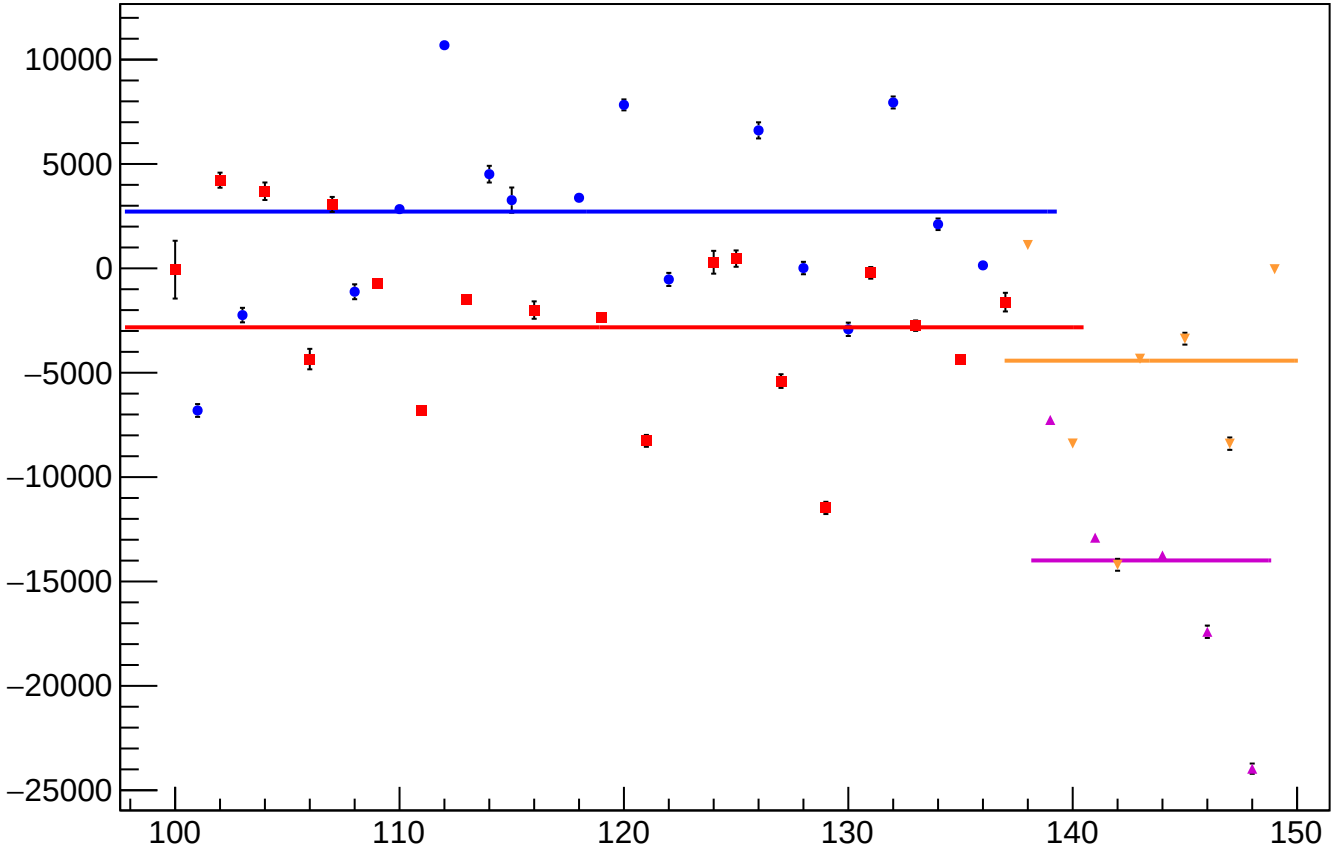
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 153.085+/-0.034 χ^2/NDF:1483892.7/20

Out: 152.271+/-0.032 χ^2/NDF:2032033.3/25

All: 152.657+/-0.023 χ^2/NDF: 3516235.7/46

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4422.078+/-90.045 χ^2/NDF:2867.6/6

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: -8719.652+/-66.834 χ^2/NDF: 10897.3/11

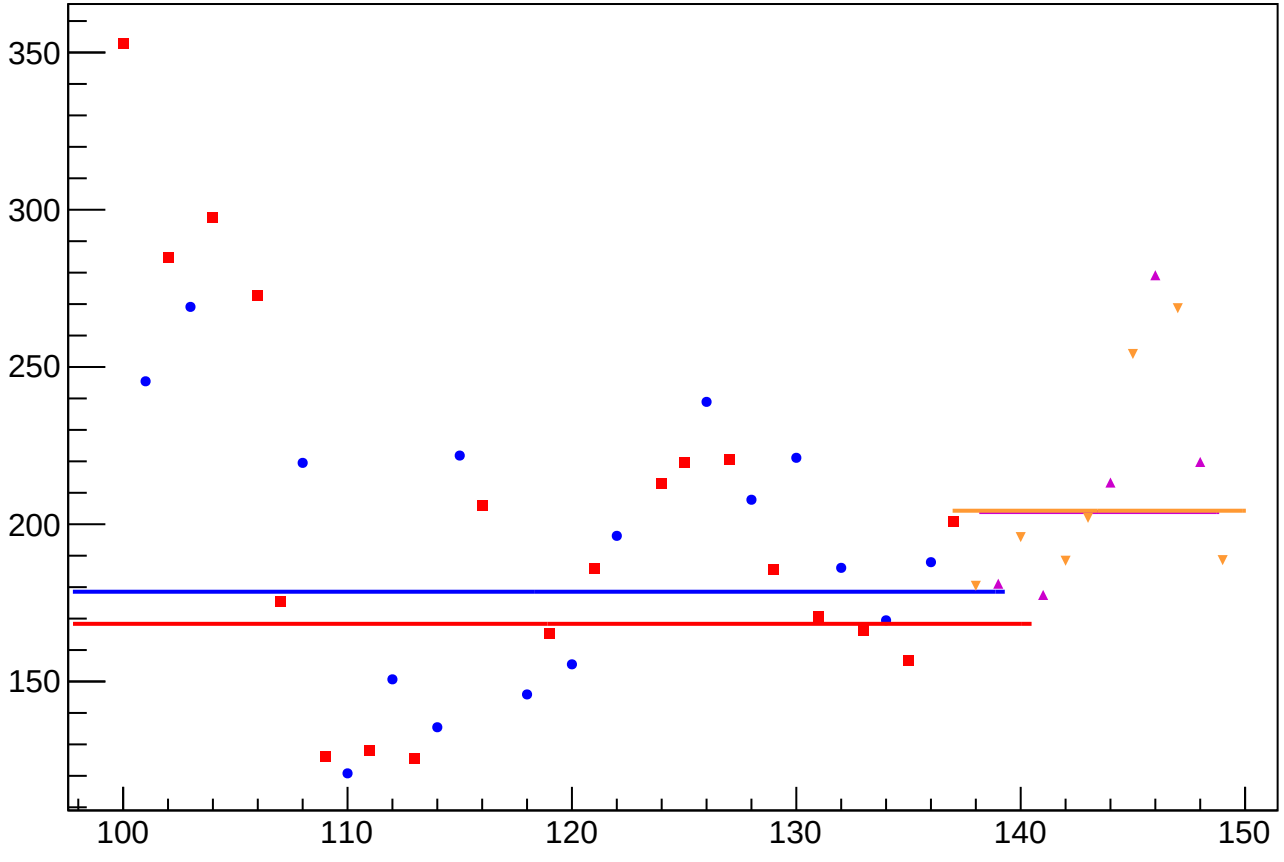
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -2716.016+/-56.880 χ^2/NDF:26031.4/20

Out: -3369.591+/-52.623 χ^2/NDF:6137.9/25

All: -3068.175+/-38.628 χ^2/NDF: 32240.5/46

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 204.301+/-0.064 χ^2/NDF:203307.6/6

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: 204.109+/-0.047 χ^2/NDF: 409109.5/11

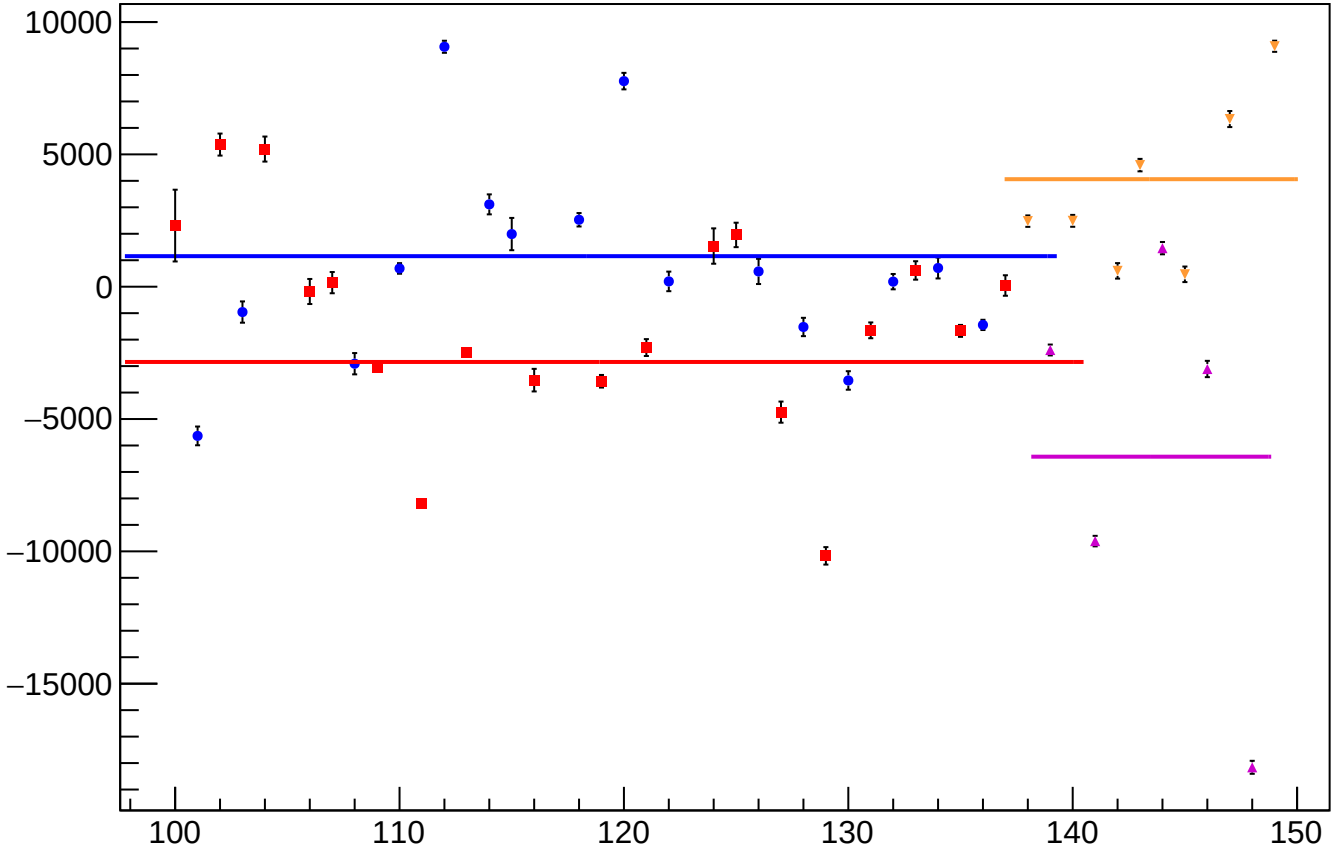
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 186.781+/-0.040 χ^2/NDF:967410.2/20

Out: 180.619+/-0.037 χ^2/NDF:1392904.3/25

All: 183.461+/-0.027 χ^2/NDF: 2372963.2/46

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 4062.480+/-92.926 χ^2/NDF:1020.2/6

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: -651.269+/-68.944 χ^2/NDF: 10933.5/11

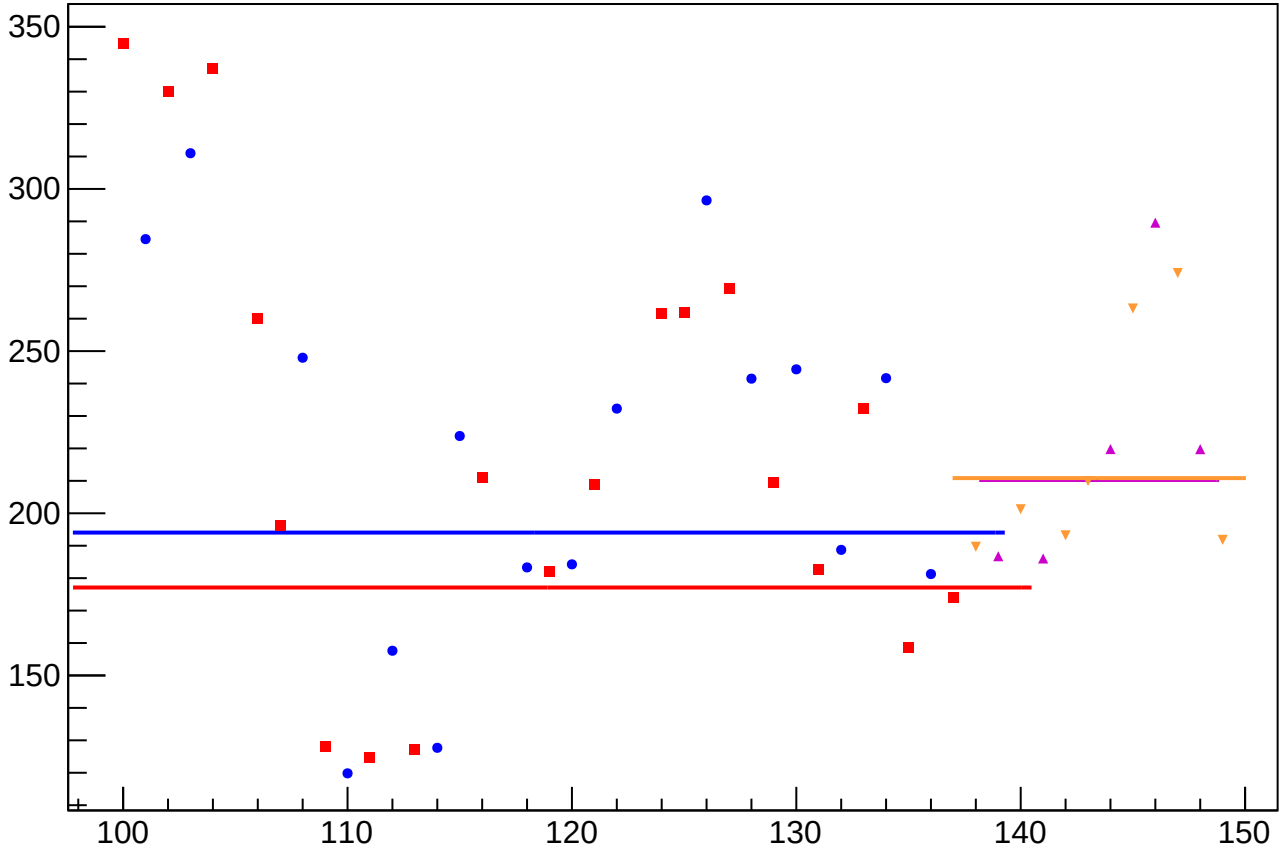
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1520.970+/-61.095 χ^2/NDF:10357.7/20

Out: -383.021+/-55.470 χ^2/NDF:7028.7/25

All: -897.206+/-41.068 χ^2/NDF: 17576.6/46

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 210.847+/-0.066 χ^2/NDF:196634.9/6

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

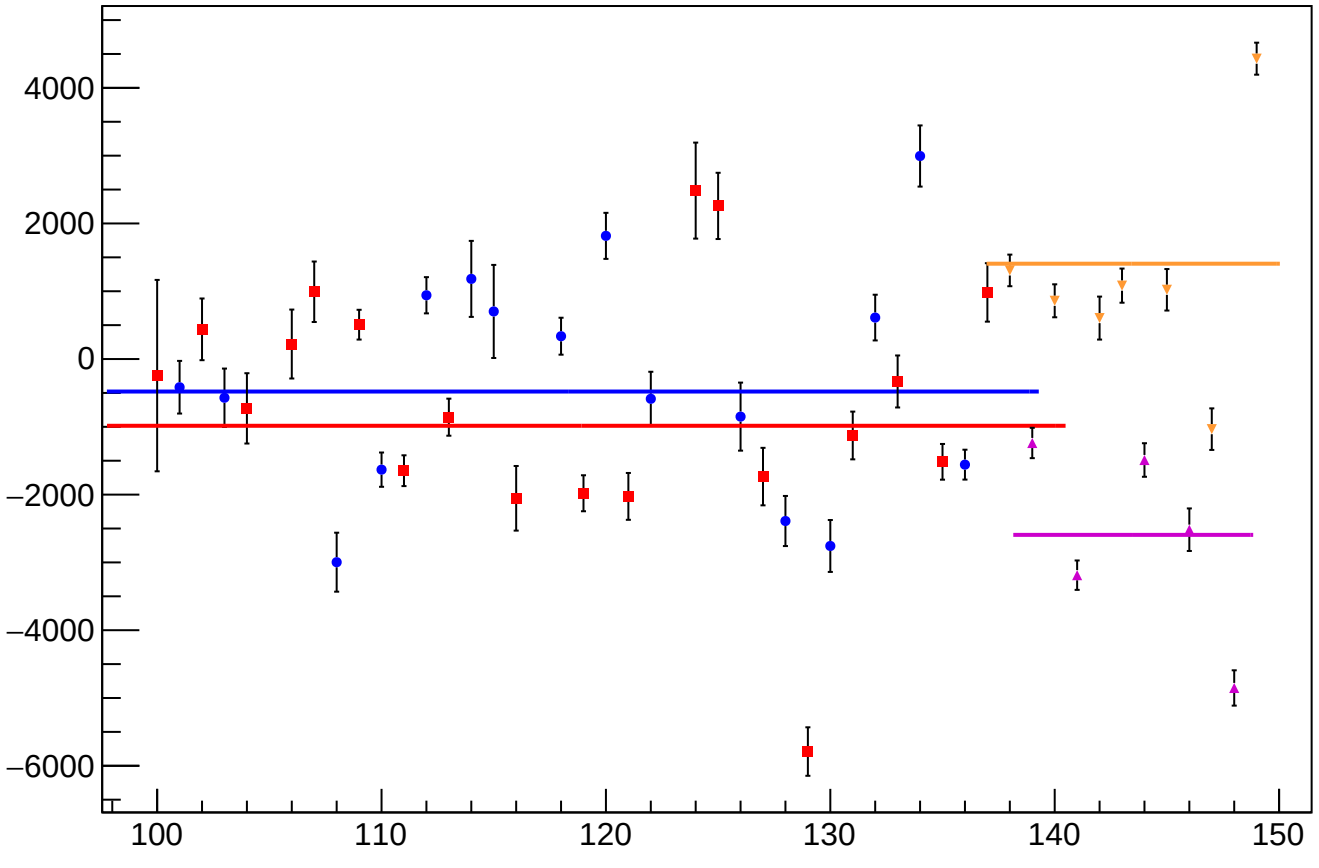
Left: 210.588+/-0.049 χ^2/NDF: 391499.1/11

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.778+/-0.043 χ^2/NDF:1192800.2/20

Out: 189.134+/-0.039 χ^2/NDF:1725614.7/25

All: 193.944+/-0.029 χ^2/NDF: 2951687.1/46



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1406.365+/-99.862 χ^2/NDF:242.3/6

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: -398.875+/-73.972 χ^2/NDF: 1105.8/11

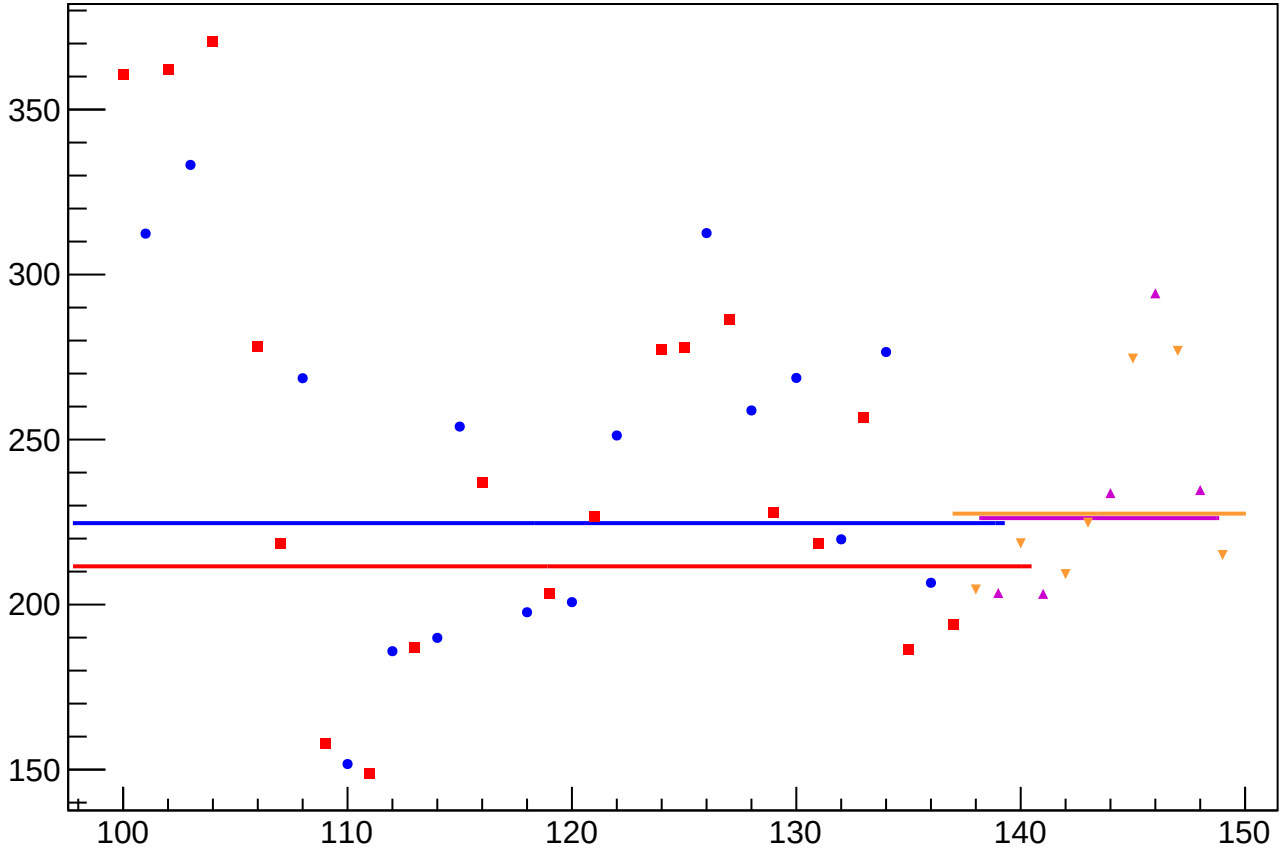
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1288.332+/-68.112 χ^2/NDF:672.4/20

Out: -36.496+/-62.882 χ^2/NDF:986.4/25

All: -612.518+/-46.203 χ^2/NDF: 1841.2/46

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 227.560+/-0.071 χ^2/NDF:133624.6/6

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: 226.946+/-0.052 χ^2/NDF: 275039.5/11

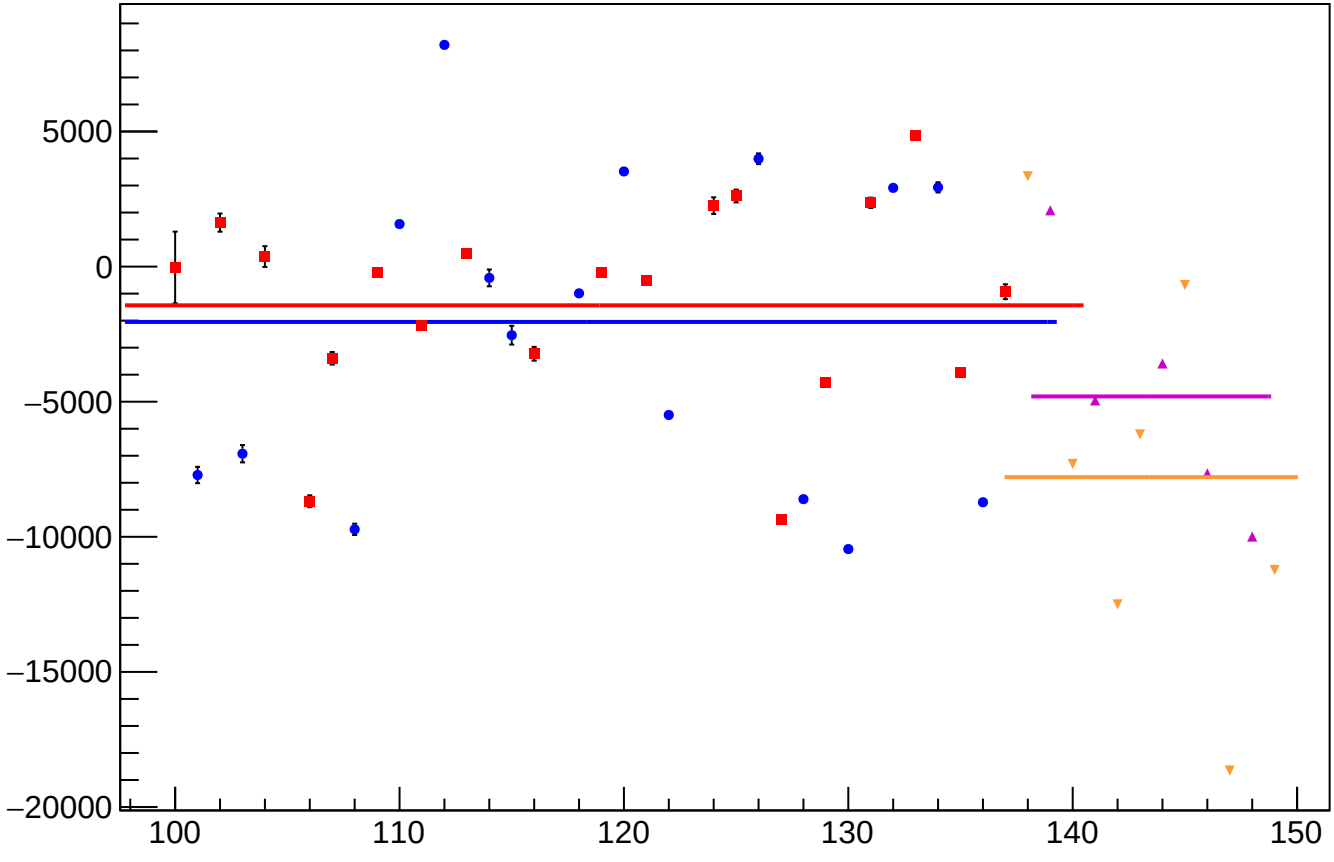
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.263+/-0.048 χ^2/NDF:794675.4/20

Out: 217.925+/-0.044 χ^2/NDF:1097374.8/25

All: 221.302+/-0.033 χ^2/NDF: 1904582.5/46

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7792.158+/-48.936 χ^2/NDF:19956.2/6

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: -6471.123+/-36.546 χ^2/NDF: 26945.9/11

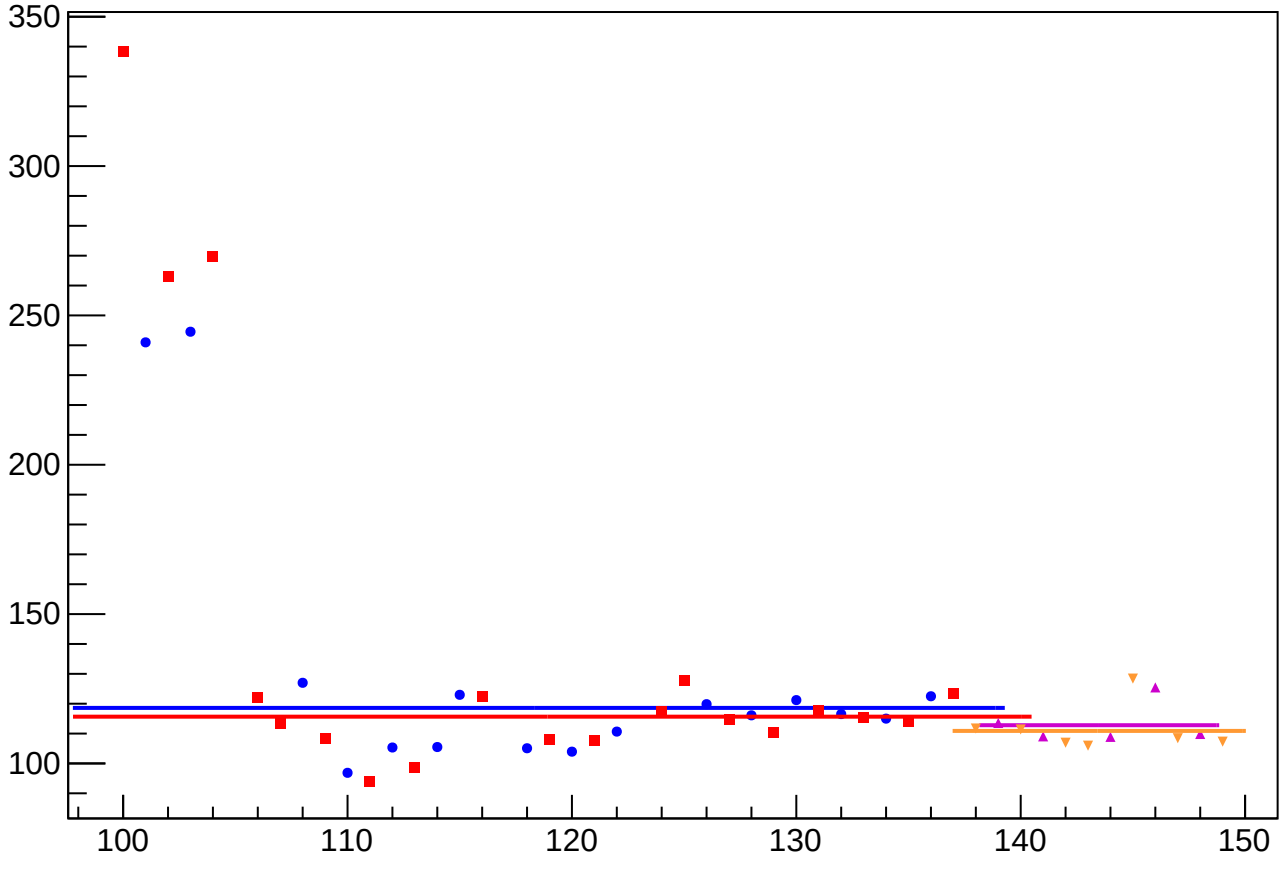
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3204.397+/-35.596 χ^2/NDF:23513.0/20

Out: -4327.490+/-33.015 χ^2/NDF:35544.5/25

All: -3808.119+/-24.206 χ^2/NDF: 59592.6/46

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 110.891+/-0.035 χ^2/NDF:36512.9/6

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: 111.735+/-0.026 χ^2/NDF: 61204.6/11

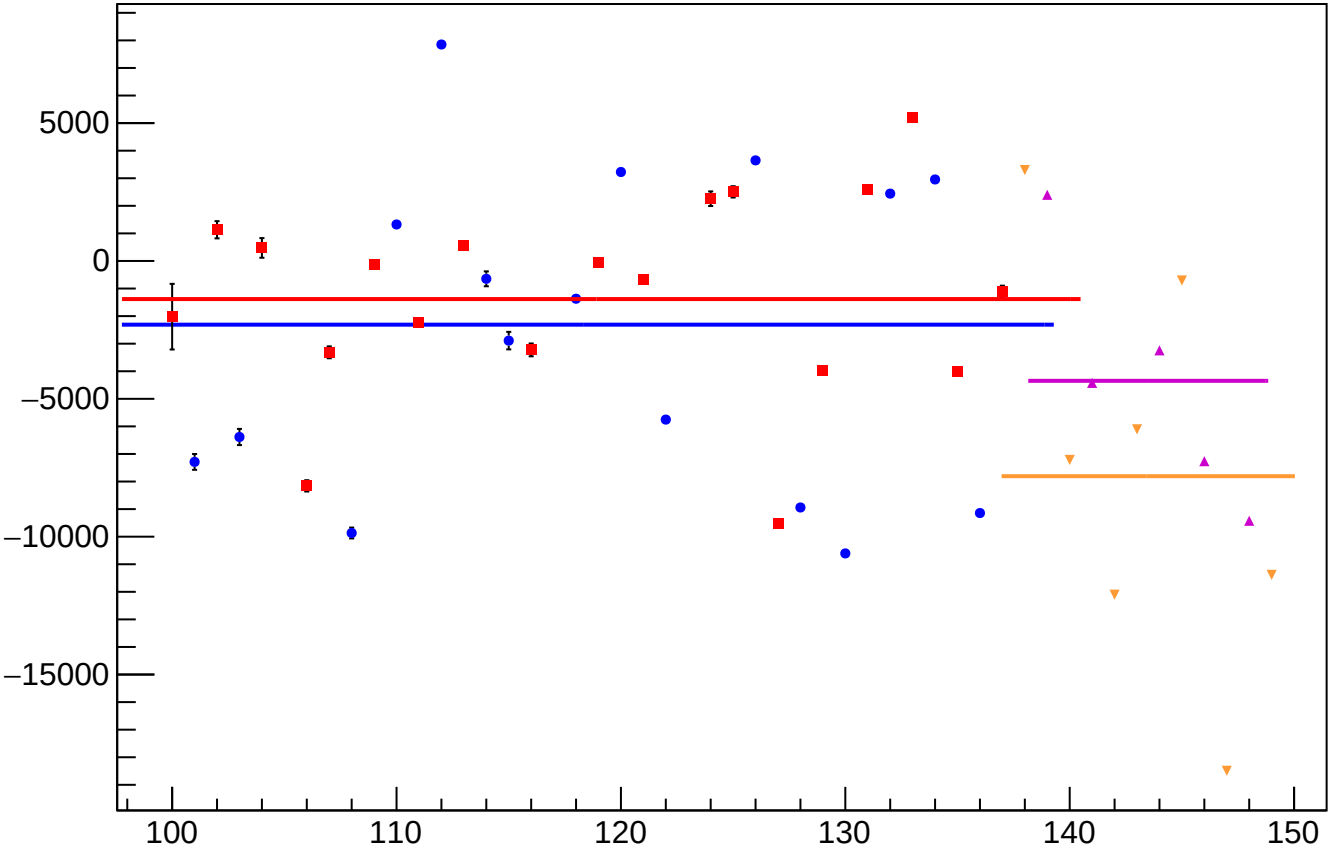
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.164+/-0.025 χ^2/NDF:770423.1/20

Out: 113.489+/-0.023 χ^2/NDF:911064.7/25

All: 114.726+/-0.017 χ^2/NDF: 1687557.3/46

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -7806.247+/-45.001 χ^2/NDF:23232.8/6

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: -6253.496+/-33.406 χ^2/NDF: 32231.9/11

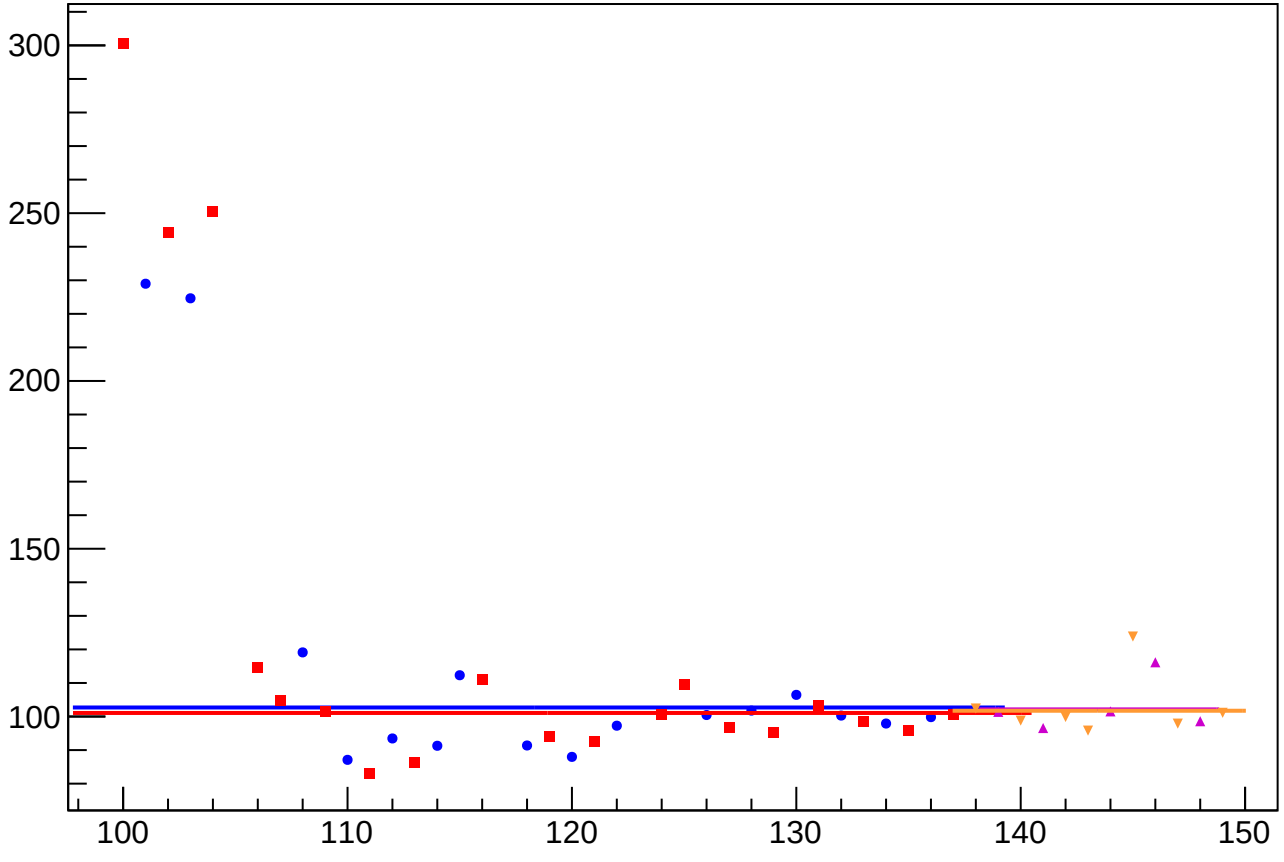
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3125.933+/-31.545 χ^2/NDF:29027.4/20

Out: -4165.117+/-29.619 χ^2/NDF:43362.3/25

All: -3678.217+/-21.592 χ^2/NDF: 72966.4/46

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.725+/-0.032 χ^2/NDF:60267.1/6

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: 101.907+/-0.024 χ^2/NDF: 93838.6/11

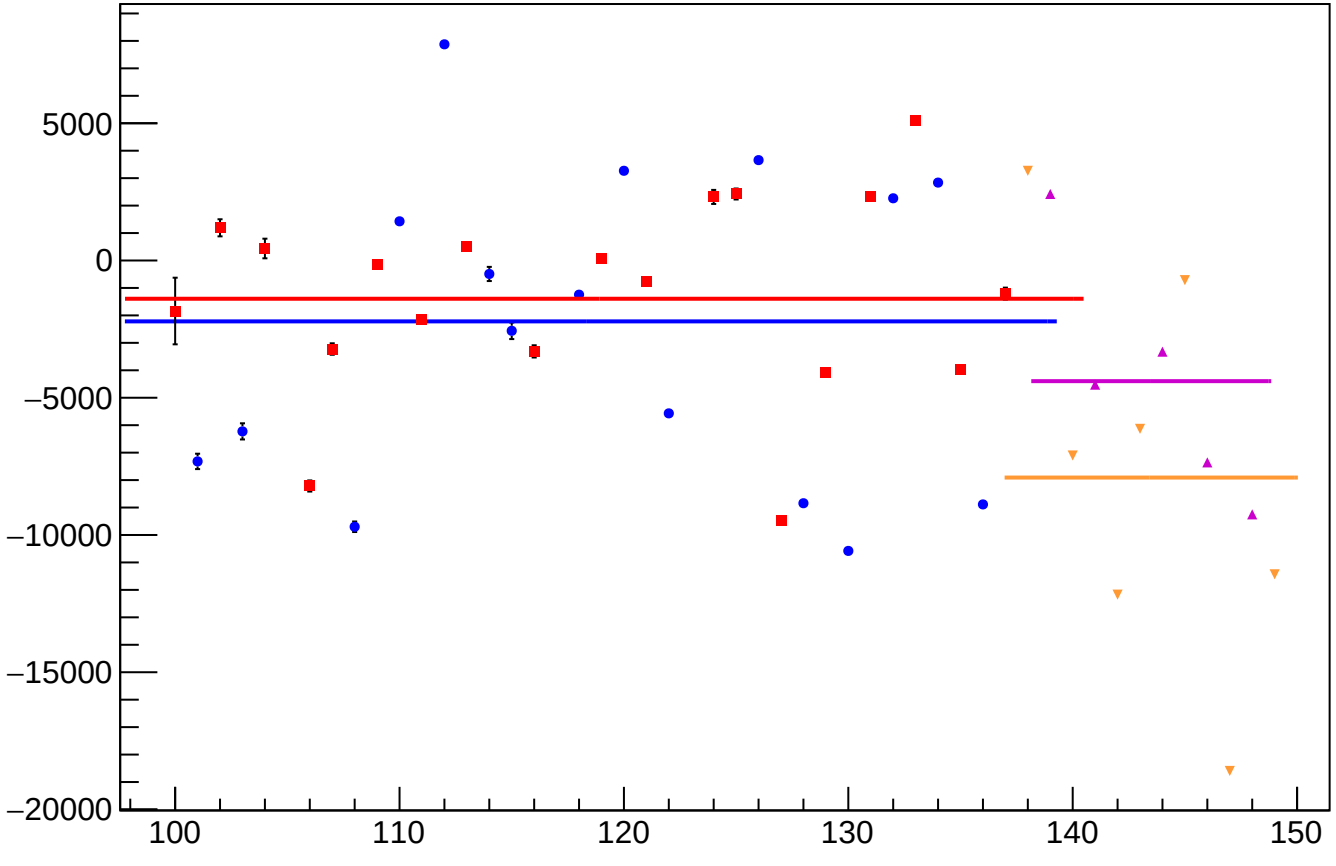
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.468+/-0.022 χ^2/NDF:859453.6/20

Out: 101.350+/-0.021 χ^2/NDF:990970.2/25

All: 101.874+/-0.015 χ^2/NDF: 1851759.3/46

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -7907.760+/-43.571 χ^2/NDF:25380.4/6

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: -6326.658+/-32.308 χ^2/NDF: 35007.7/11

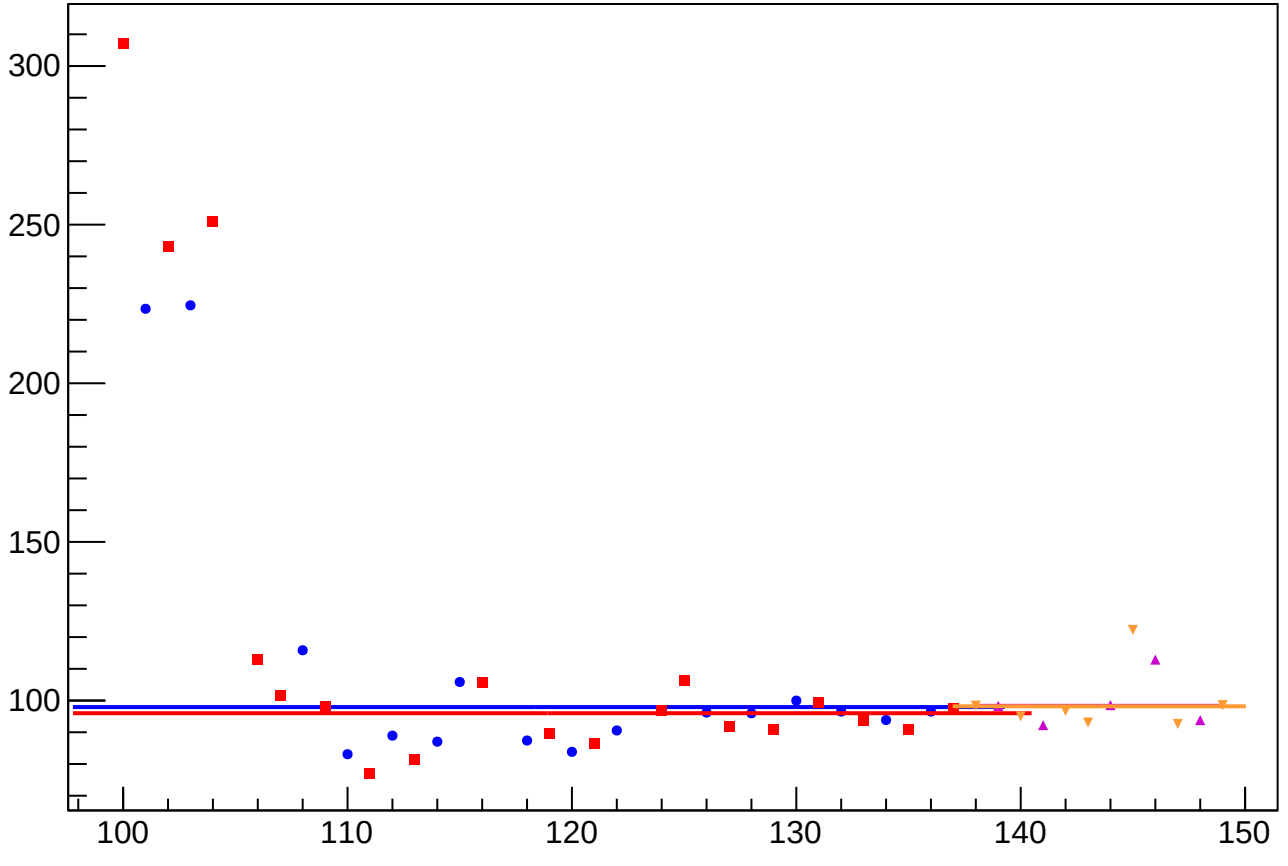
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3081.607+/-30.325 χ^2/NDF:30976.7/20

Out: -4172.326+/-28.457 χ^2/NDF:47350.1/25

All: -3661.588+/-20.751 χ^2/NDF: 79014.6/46

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.184+/-0.031 χ^2/NDF:72984.5/6

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: 98.248+/-0.023 χ^2/NDF: 113150.0/11

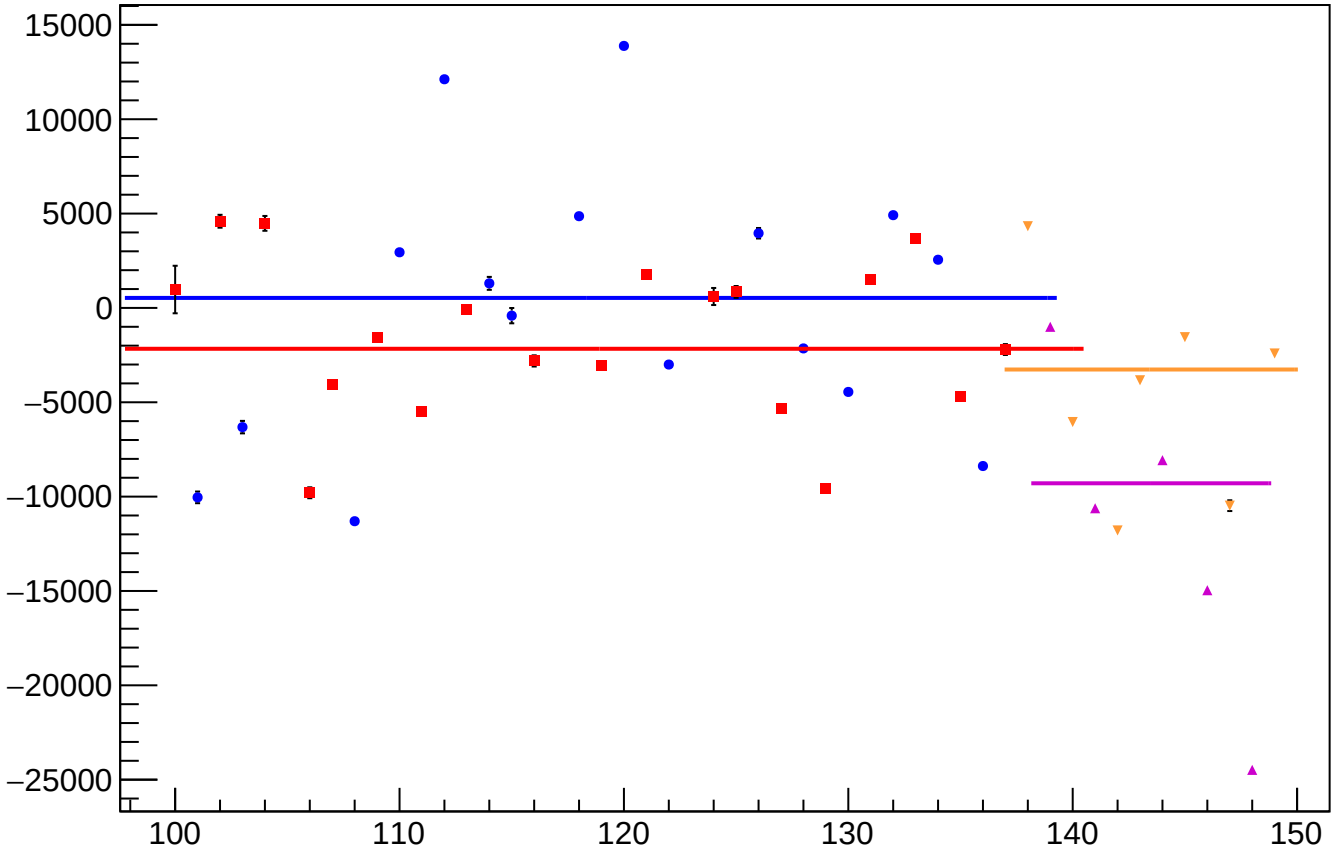
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.096+/-0.021 χ^2/NDF:908380.7/20

Out: 96.934+/-0.020 χ^2/NDF:1088140.6/25

All: 97.478+/-0.015 χ^2/NDF: 1998081.1/46

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3263.882+/-74.098 χ^2/NDF:4744.0/6

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: -5964.900+/-55.055 χ^2/NDF: 14511.6/11

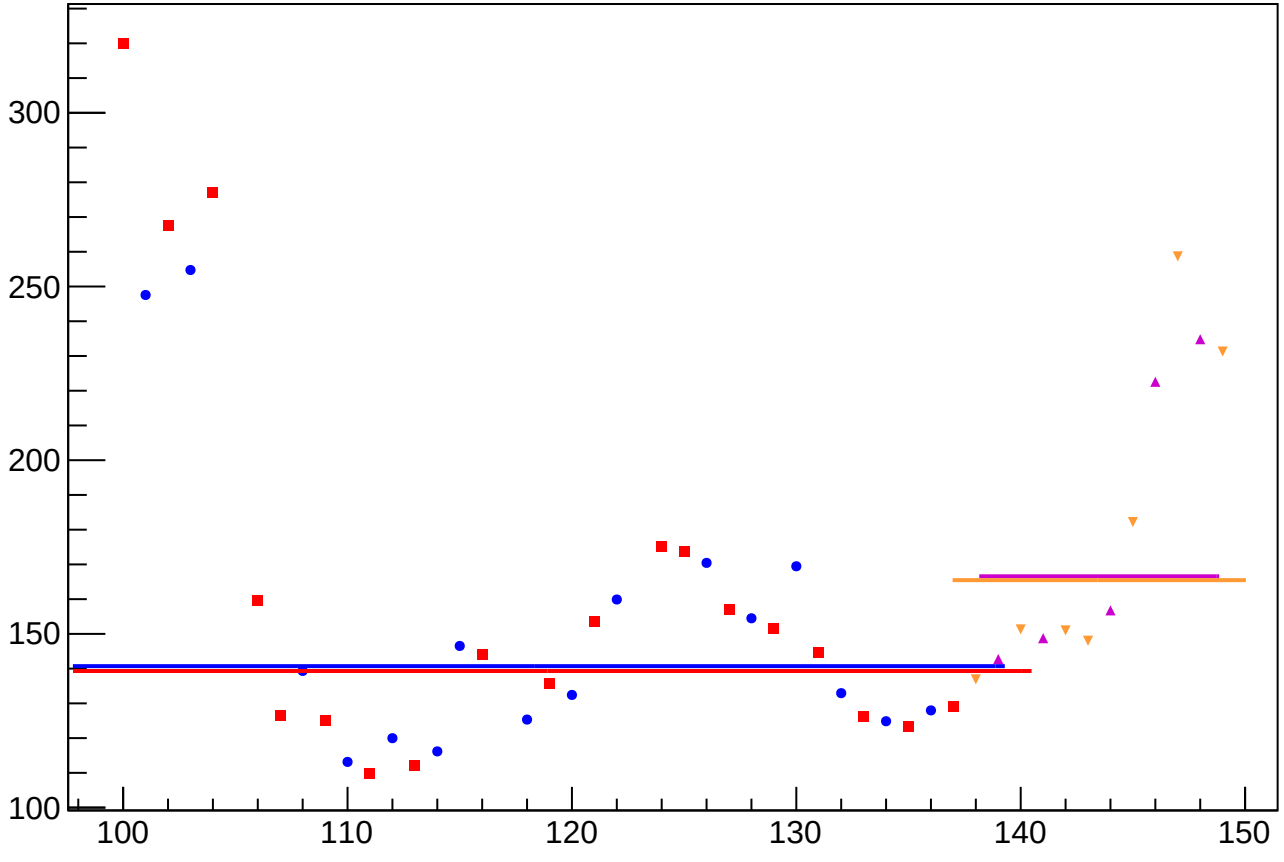
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -2493.437+/-45.638 χ^2/NDF:35261.9/20

Out: -2541.164+/-43.353 χ^2/NDF:9855.8/25

All: -2518.525+/-31.432 χ^2/NDF: 45118.3/46

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 165.471+/-0.052 χ^2/NDF:471756.1/6

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: 165.967+/-0.039 χ^2/NDF: 797746.3/11

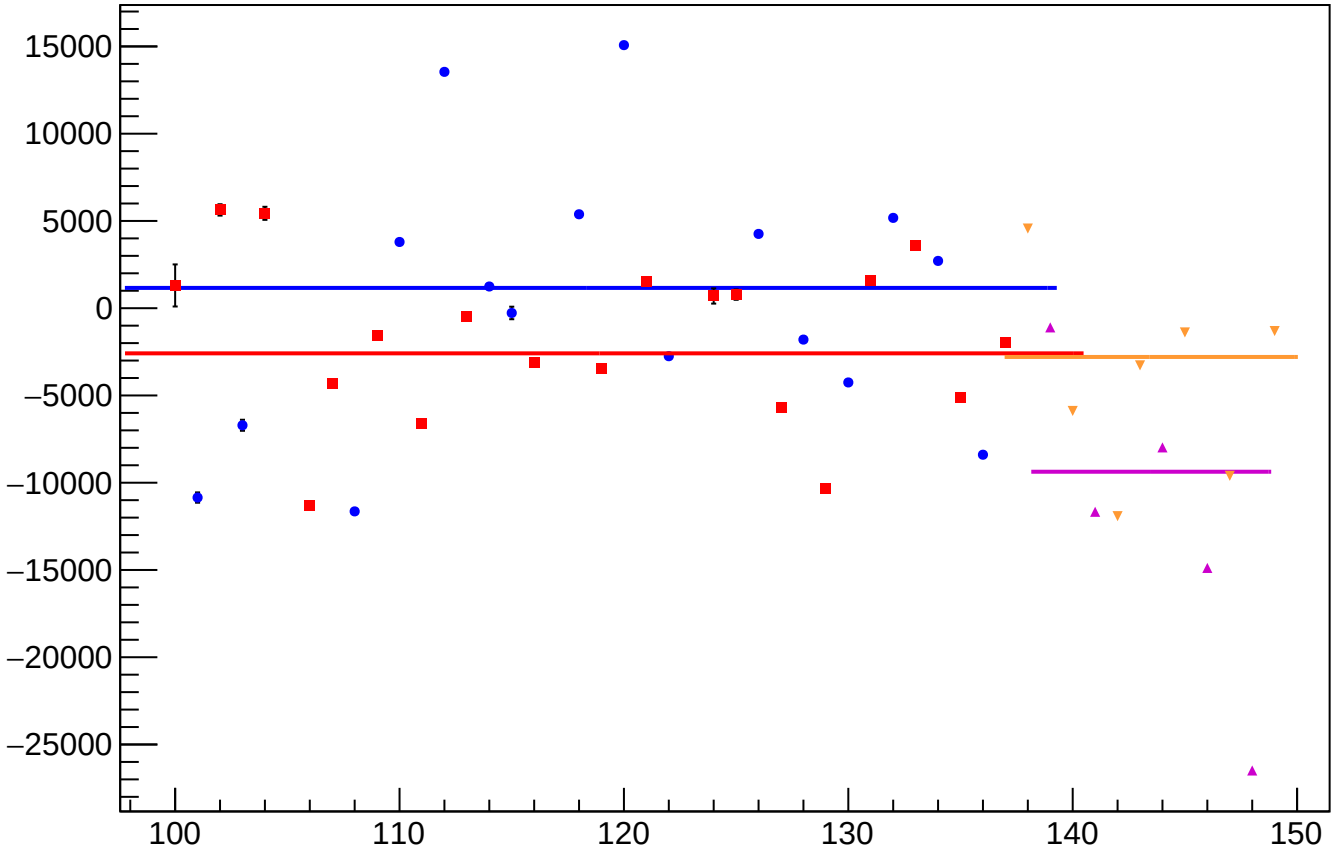
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.676+/-0.032 χ^2/NDF:1138259.6/20

Out: 148.270+/-0.031 χ^2/NDF:1437949.9/25

All: 148.463+/-0.022 χ^2/NDF: 2576292.8/46

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2793.783+/-66.531 χ^2/NDF:6132.1/6

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: -5758.316+/-49.307 χ^2/NDF: 19952.3/11

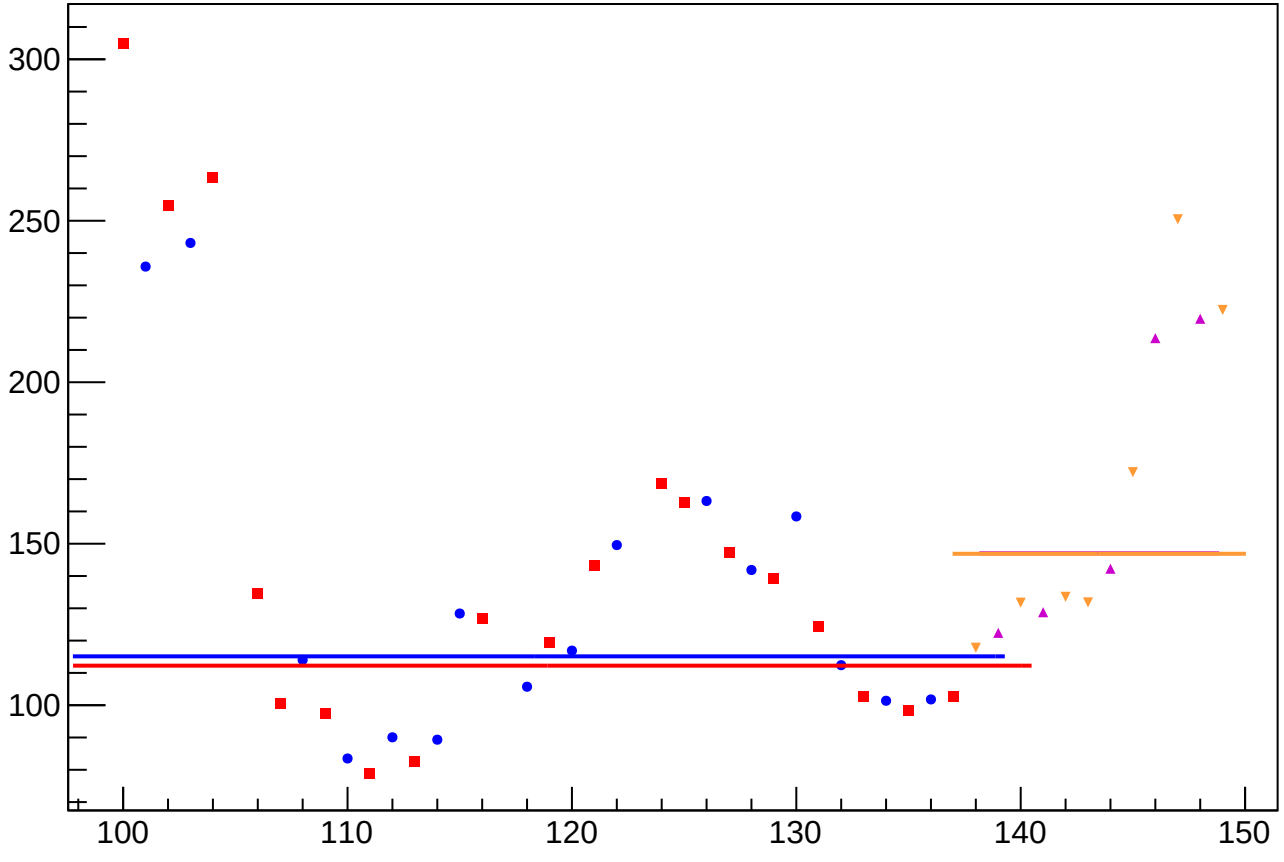
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -1798.599+/-38.942 χ^2/NDF:54957.7/20

Out: -2650.262+/-36.848 χ^2/NDF:14238.5/25

All: -2247.935+/-26.765 χ^2/NDF: 69448.6/46

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 146.884+/-0.047 χ^2/NDF:649059.6/6

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: 146.949+/-0.035 χ^2/NDF: 1096777.7/11

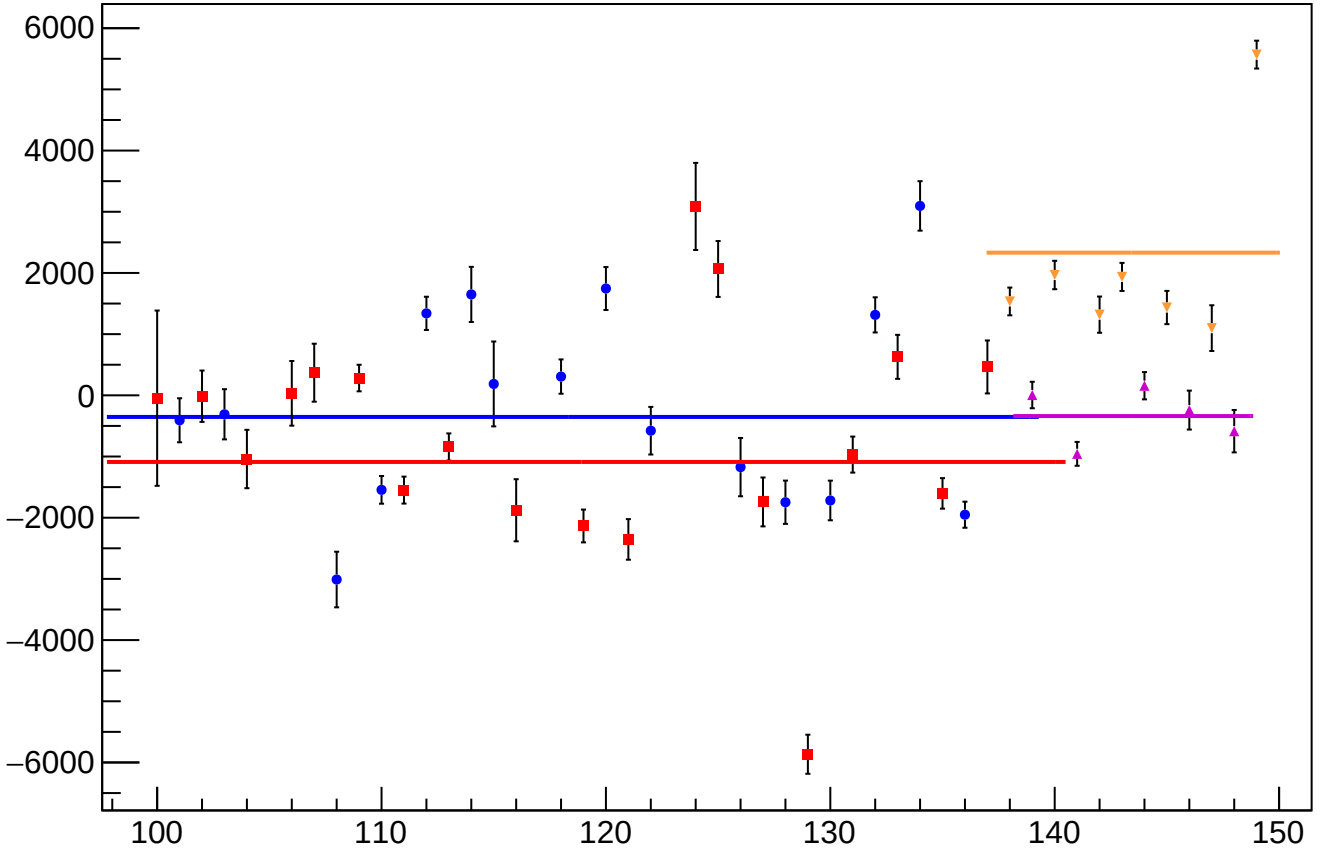
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 124.095+/-0.028 χ^2/NDF:1831976.8/20

Out: 122.868+/-0.026 χ^2/NDF:2353144.3/25

All: 123.448+/-0.019 χ^2/NDF: 4186168.0/46

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 2331.890+/-96.030 χ^2/NDF:253.3/6

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: 1150.649+/-71.714 χ^2/NDF: 613.5/11

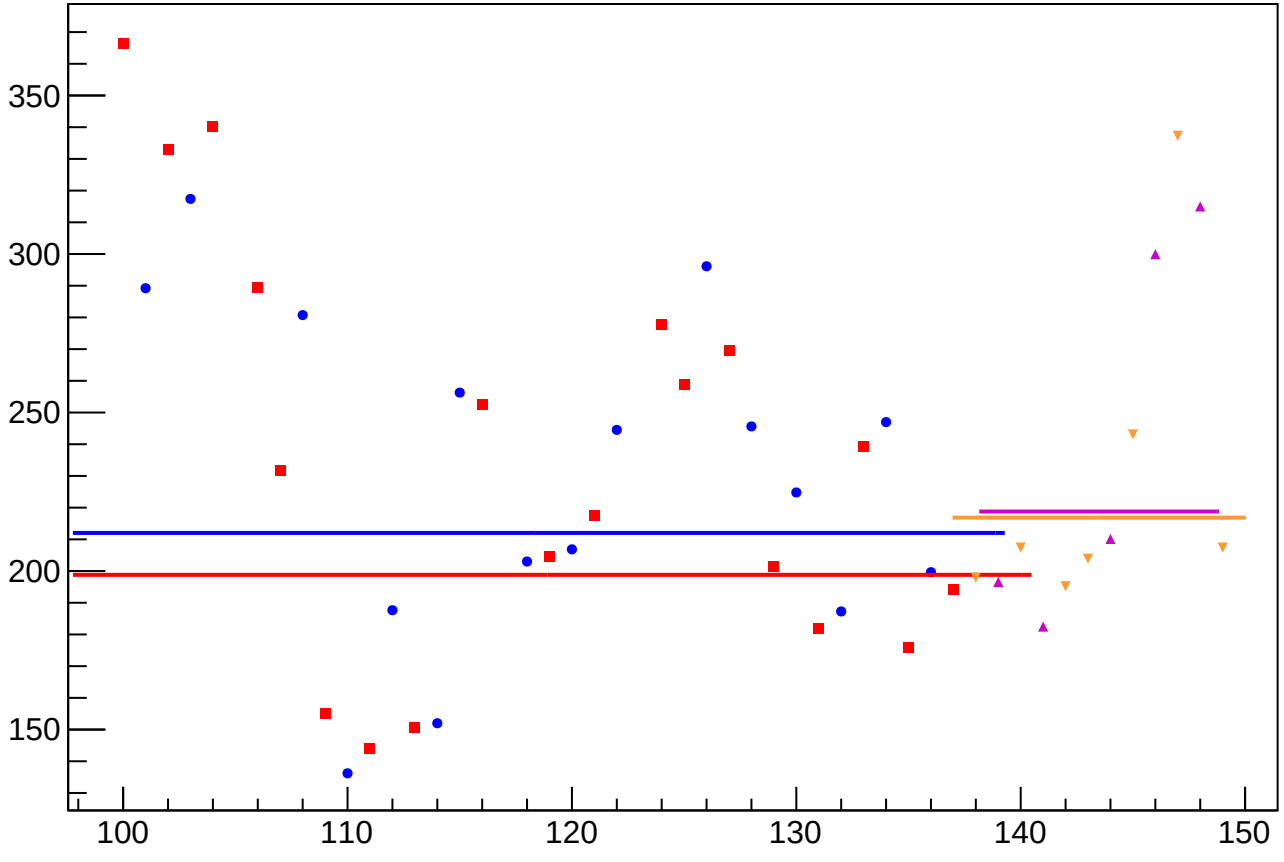
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -347.837+/-65.339 χ^2/NDF:379.9/20

Out: 238.067+/-59.808 χ^2/NDF:1477.1/25

All: -29.039+/-44.117 χ^2/NDF: 1900.8/46

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 216.848+/-0.068 χ^2/NDF:264286.4/6

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: 217.703+/-0.051 χ^2/NDF: 642406.2/11

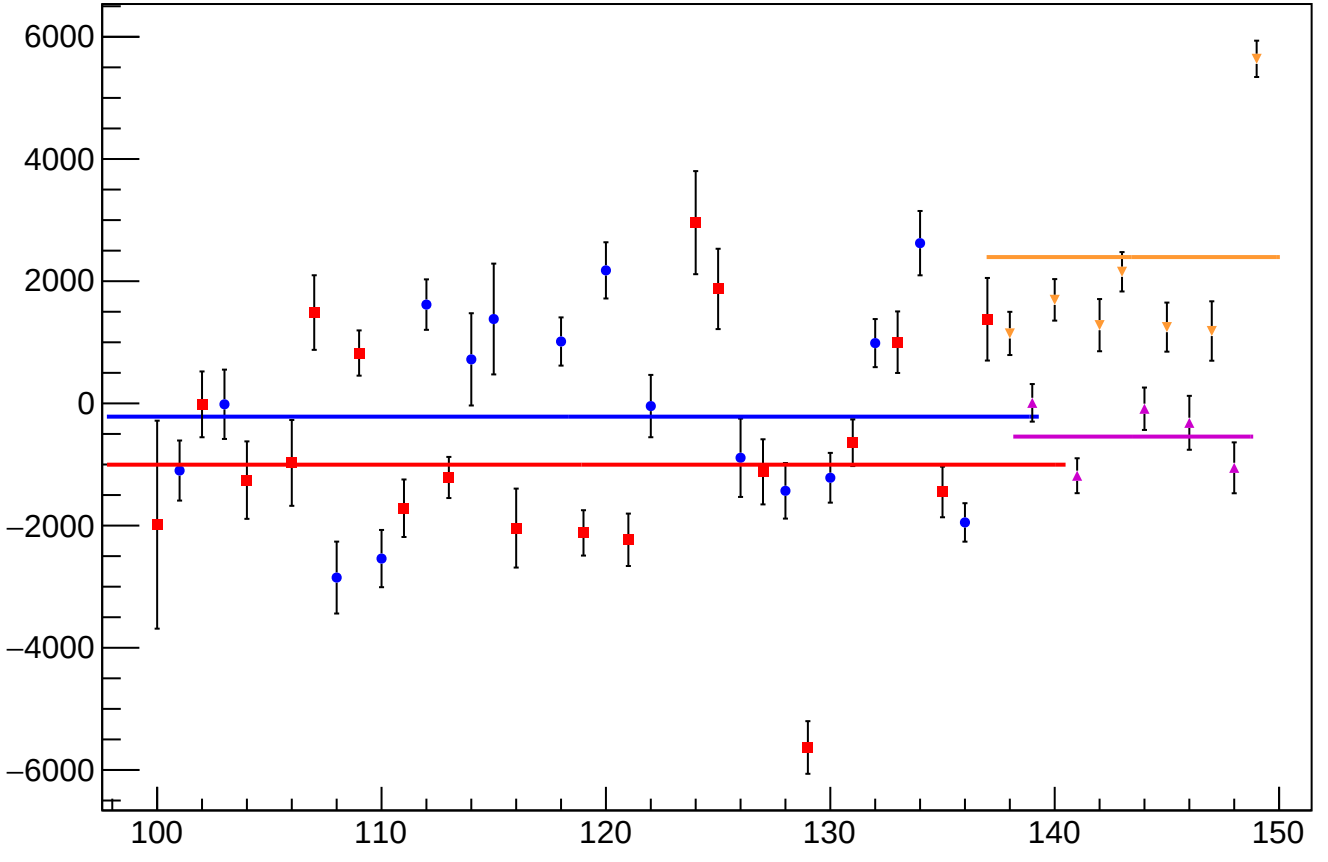
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 214.508+/-0.046 χ^2/NDF:1073085.6/20

Out: 205.806+/-0.042 χ^2/NDF:1282410.1/25

All: 209.773+/-0.031 χ^2/NDF: 2374796.1/46

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 2394.941+/-136.726 χ^2/NDF:157.5/6

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: 1102.222+/-102.322 χ^2/NDF: 372.5/11

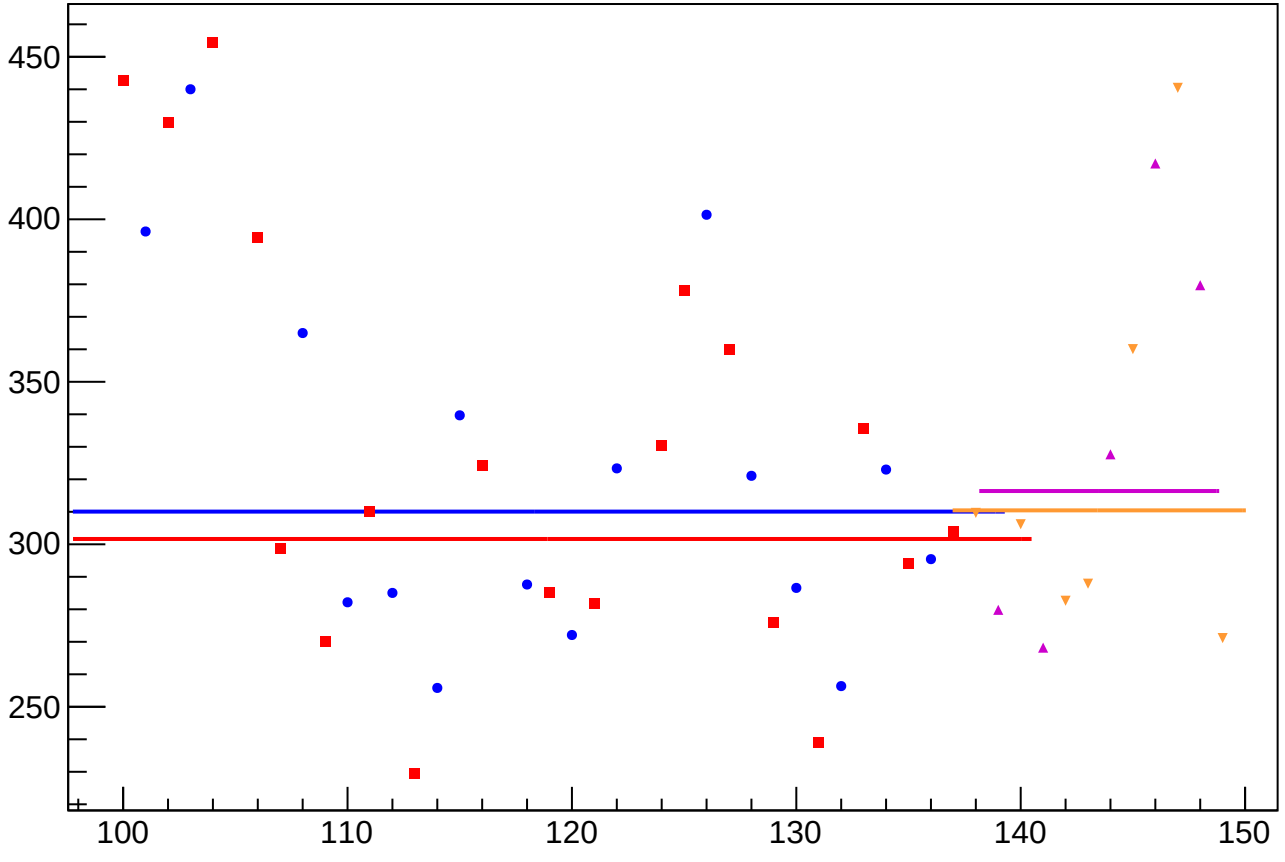
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -337.322+/-93.668 χ^2/NDF:206.7/20

Out: 377.604+/-87.153 χ^2/NDF:778.5/25

All: 45.868+/-63.806 χ^2/NDF: 1016.5/46

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 310.441+/-0.097 χ^2/NDF:226977.1/6

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: 313.060+/-0.072 χ^2/NDF: 466454.1/11

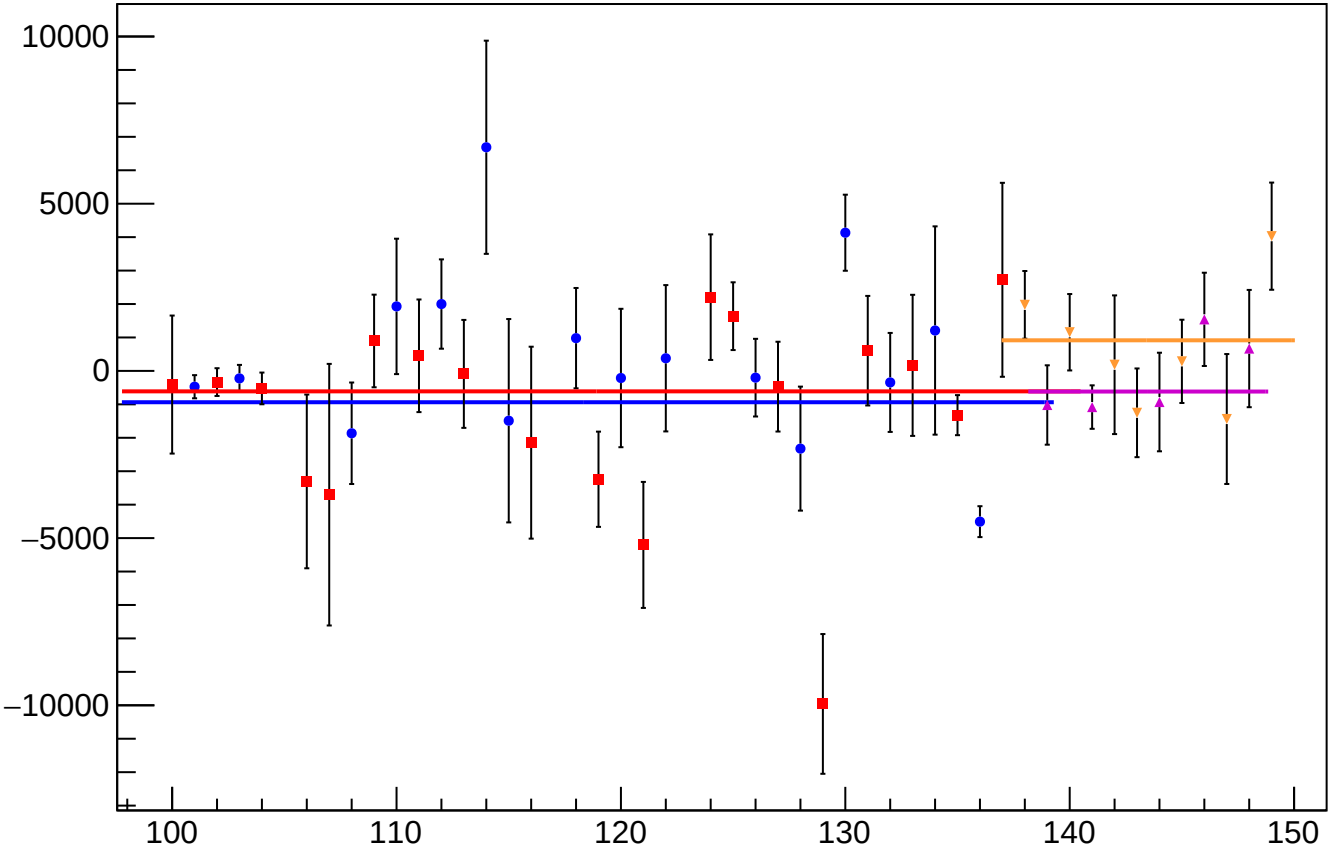
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 312.396+/-0.066 χ^2/NDF:563219.8/20

Out: 305.214+/-0.062 χ^2/NDF:751789.5/25

All: 308.547+/-0.045 χ^2/NDF: 1321310.9/46

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 915.029+/-510.151 χ^2/NDF:9.4/6

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: 99.061+/-348.825 χ^2/NDF: 17.8/11

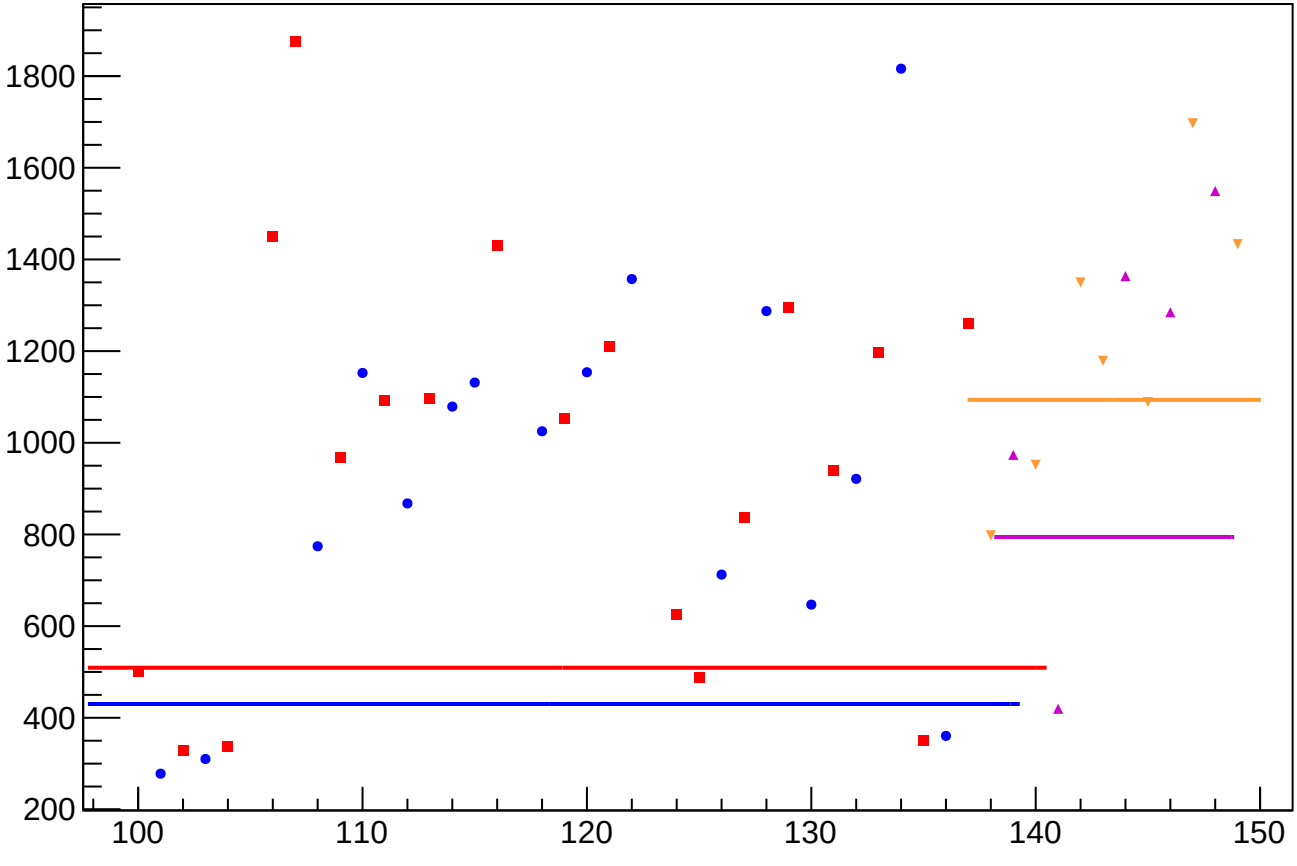
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -887.431+/-188.187 χ^2/NDF:105.2/20

Out: -347.896+/-212.050 χ^2/NDF:61.0/25

All: -649.717+/-140.752 χ^2/NDF: 169.8/46

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1093.683+/-0.361 χ^2/NDF:522887.6/6

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: 934.336+/-0.247 χ^2/NDF: 2515669.7/11

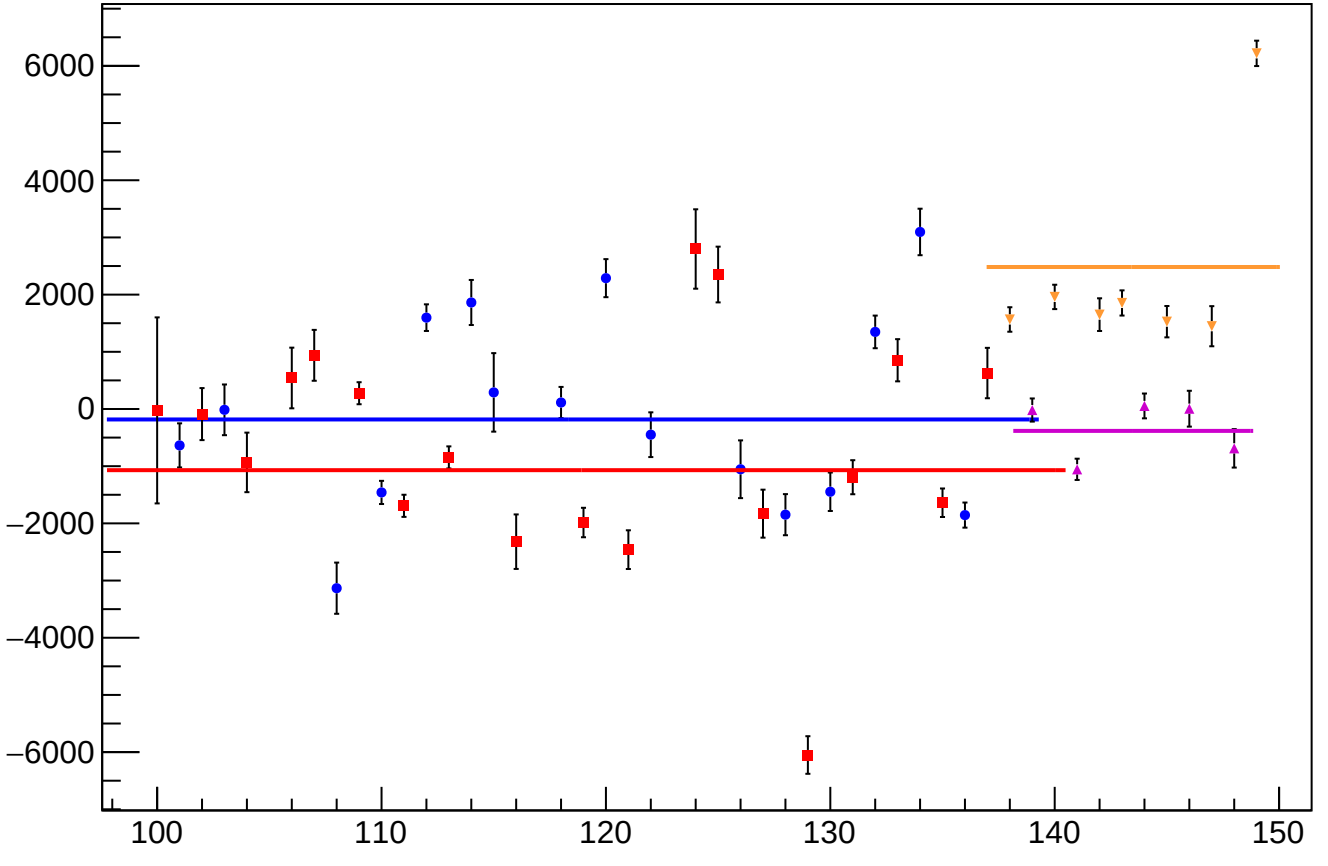
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 486.567+/-0.133 χ^2/NDF:6129724.5/20

Out: 610.213+/-0.150 χ^2/NDF:6367749.6/25

All: 541.044+/-0.100 χ^2/NDF: 12877874.0/46

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 2482.878+/-91.880 χ^2/NDF:345.2/6

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: 1217.865+/-68.670 χ^2/NDF: 797.4/11

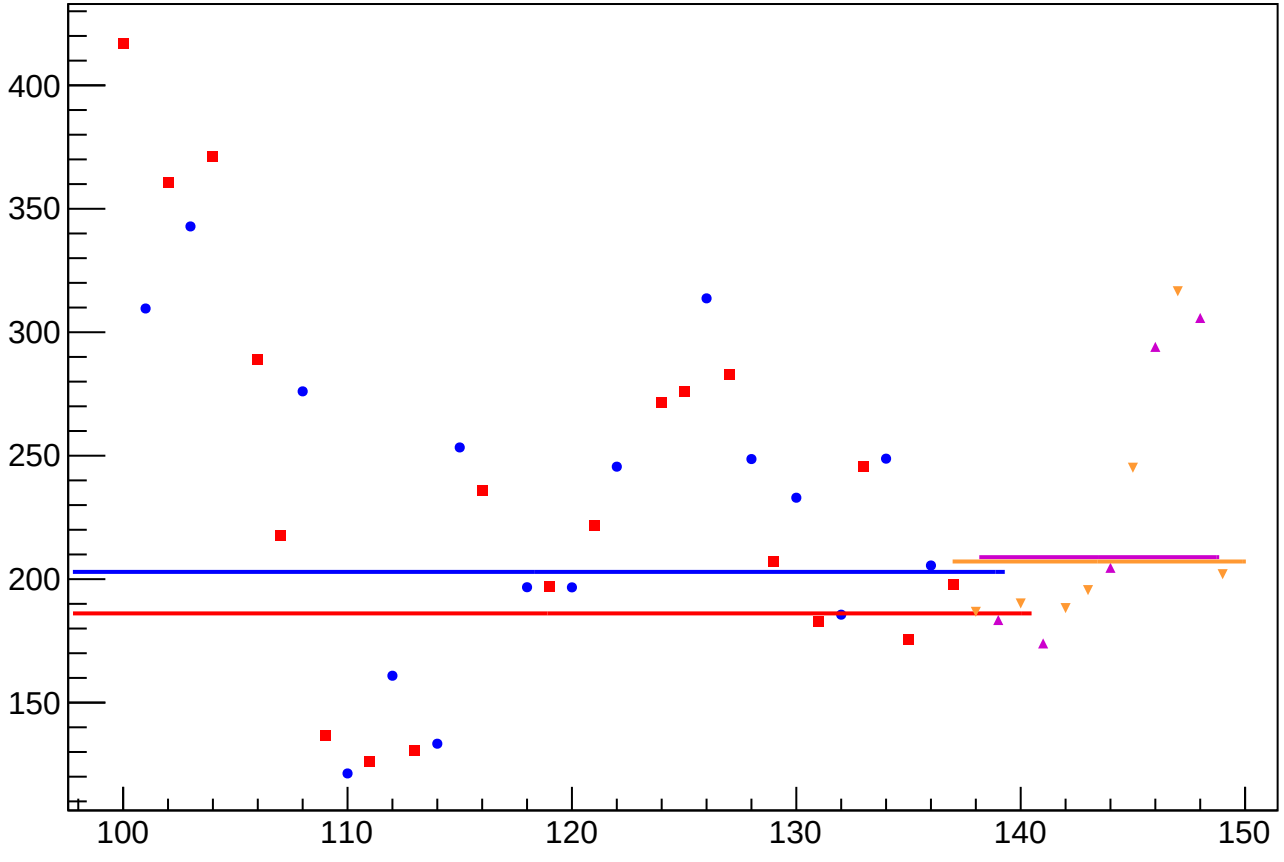
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -257.754+/-63.196 χ^2/NDF:442.8/20

Out: 306.439+/-57.185 χ^2/NDF:1753.4/25

All: 52.442+/-42.402 χ^2/NDF: 2240.0/46

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 207.152+/-0.065 χ^2/NDF:279250.1/6

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: 207.924+/-0.049 χ^2/NDF: 696246.6/11

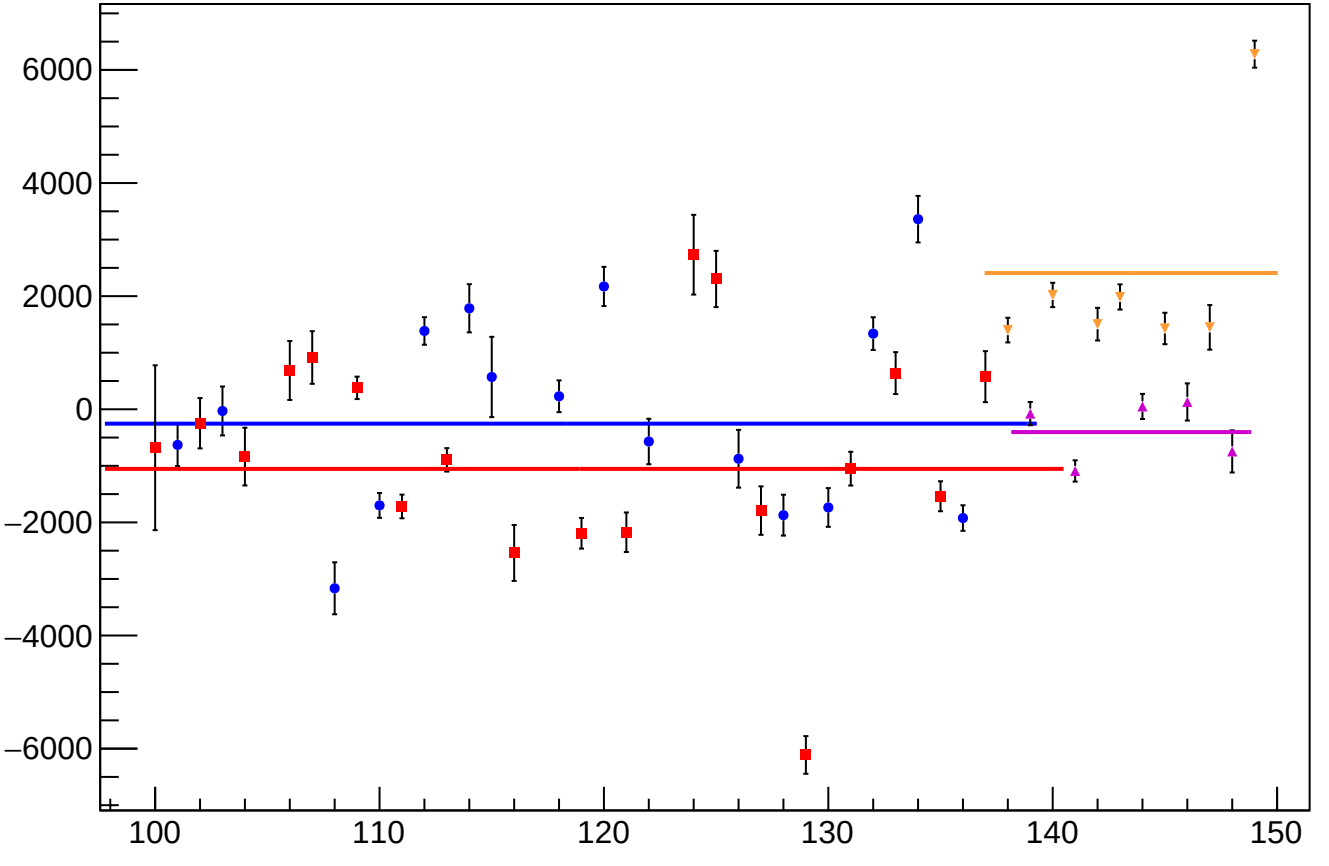
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 205.170+/-0.045 χ^2/NDF:1492700.3/20

Out: 194.272+/-0.040 χ^2/NDF:1825059.3/25

All: 199.178+/-0.030 χ^2/NDF: 3350455.9/46

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 2409.183+/-94.650 χ^2/NDF:319.0/6

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: 1164.165+/-70.658 χ^2/NDF: 733.3/11

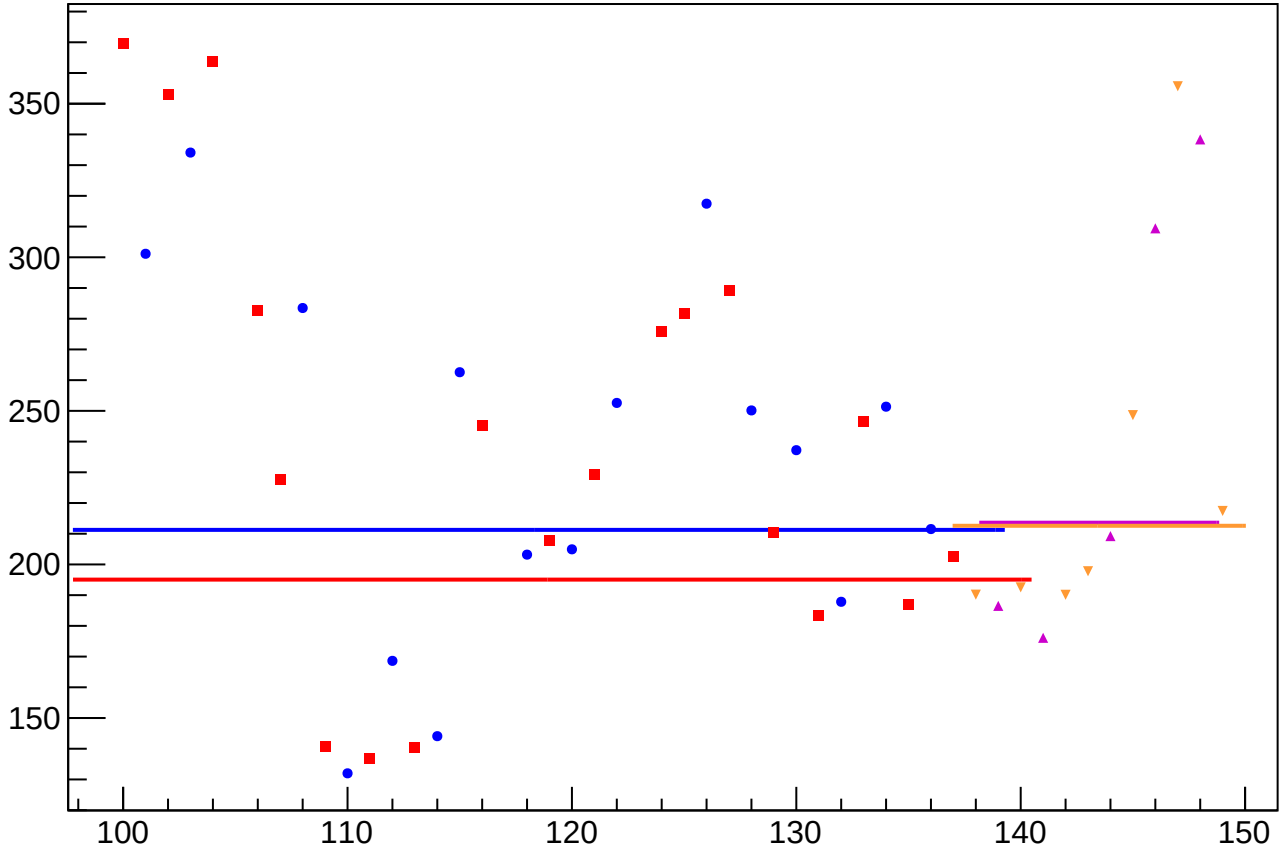
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -310.401+/-65.145 χ^2/NDF:434.0/20

Out: 303.066+/-59.246 χ^2/NDF:1610.7/25

All: 25.361+/-43.831 χ^2/NDF: 2093.3/46

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 212.587+/-0.067 χ^2/NDF:357296.3/6

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: 213.030+/-0.050 χ^2/NDF: 866711.8/11

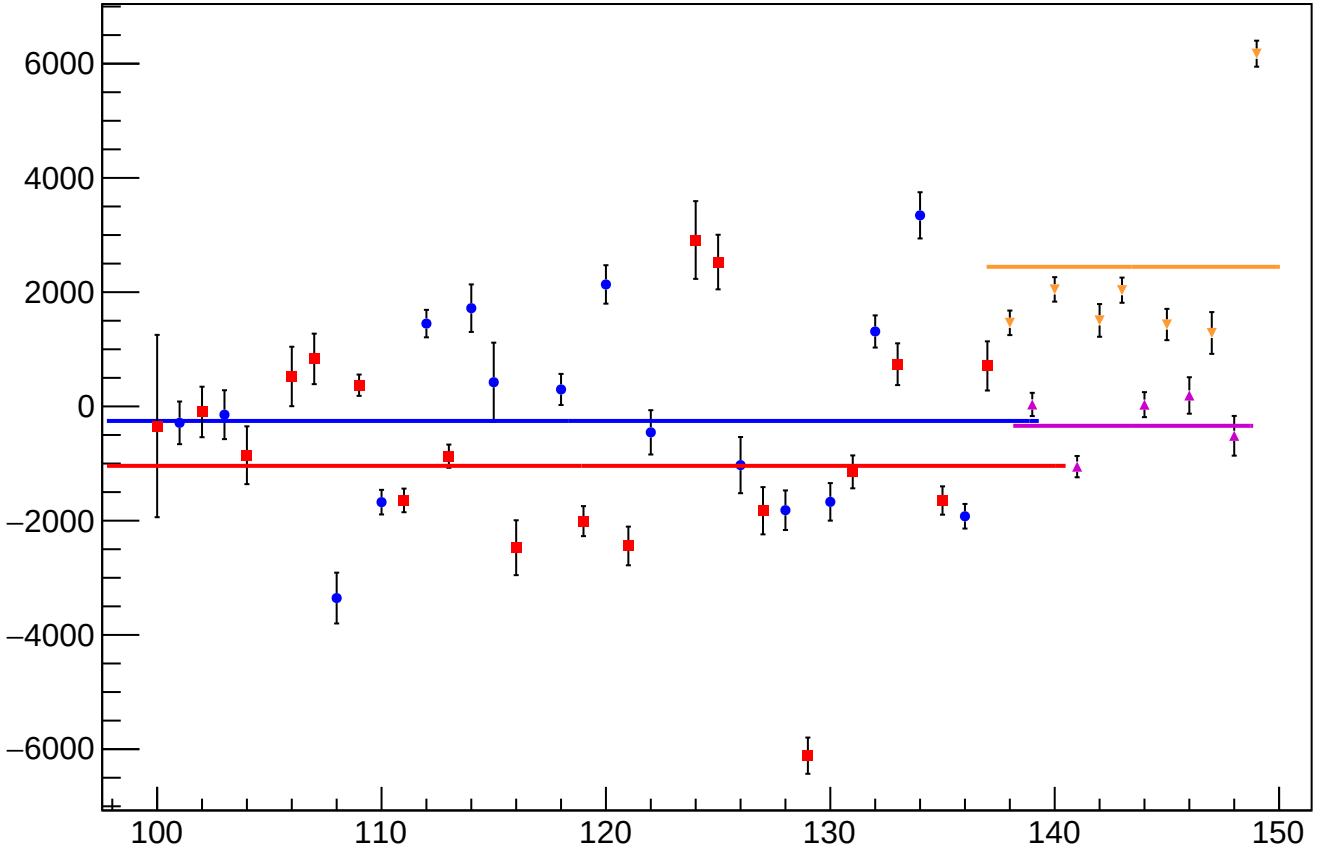
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 212.132+/-0.046 χ^2/NDF:1394283.0/20

Out: 201.928+/-0.042 χ^2/NDF:1683880.5/25

All: 206.547+/-0.031 χ^2/NDF: 3105021.5/46

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 2443.795+/-92.724 χ^2/NDF:330.1/6

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: 1215.304+/-69.303 χ^2/NDF: 751.8/11

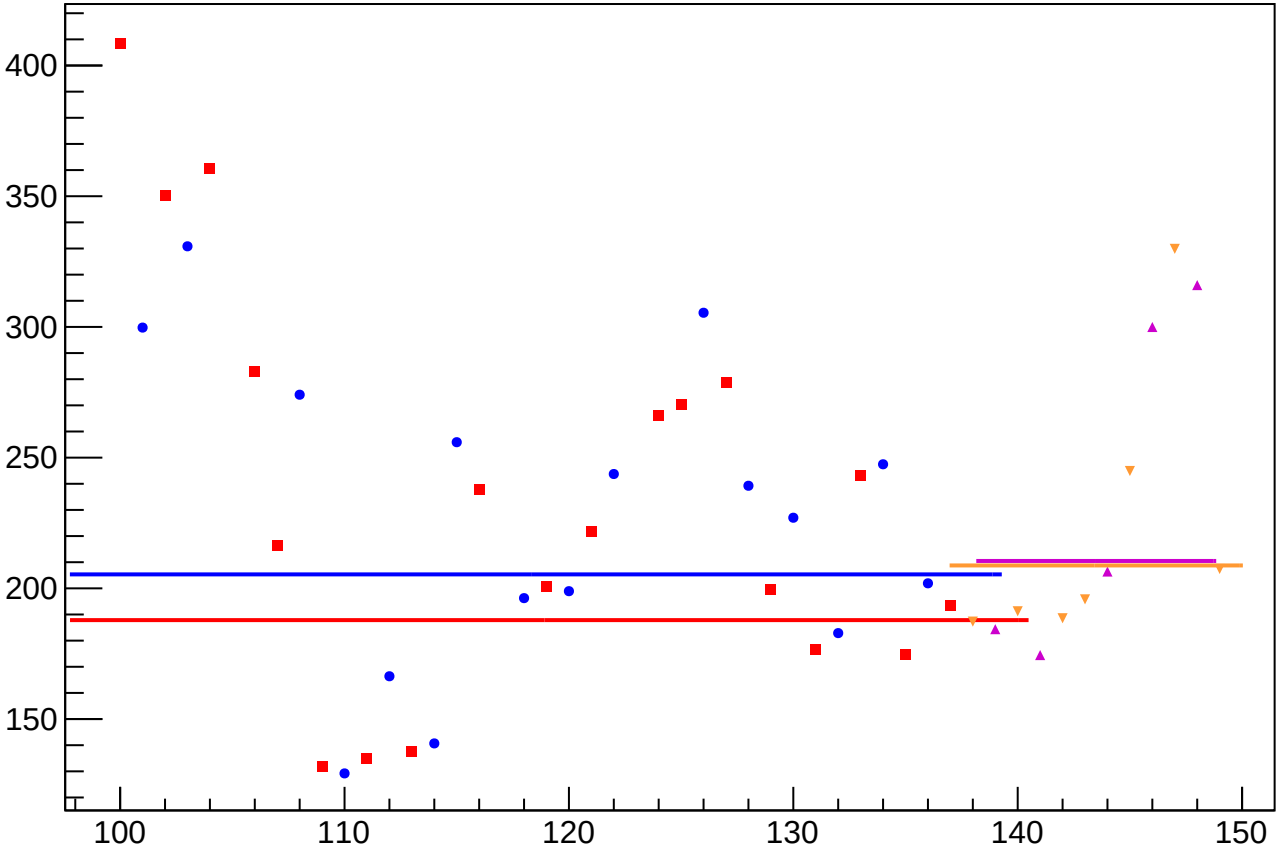
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -285.831+/-63.592 χ^2/NDF:456.5/20

Out: 301.013+/-57.533 χ^2/NDF:1731.9/25

All: 36.875+/-42.664 χ^2/NDF: 2235.2/46

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 208.762+/-0.066 χ^2/NDF:304637.7/6

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: 209.519+/-0.049 χ^2/NDF: 754476.0/11

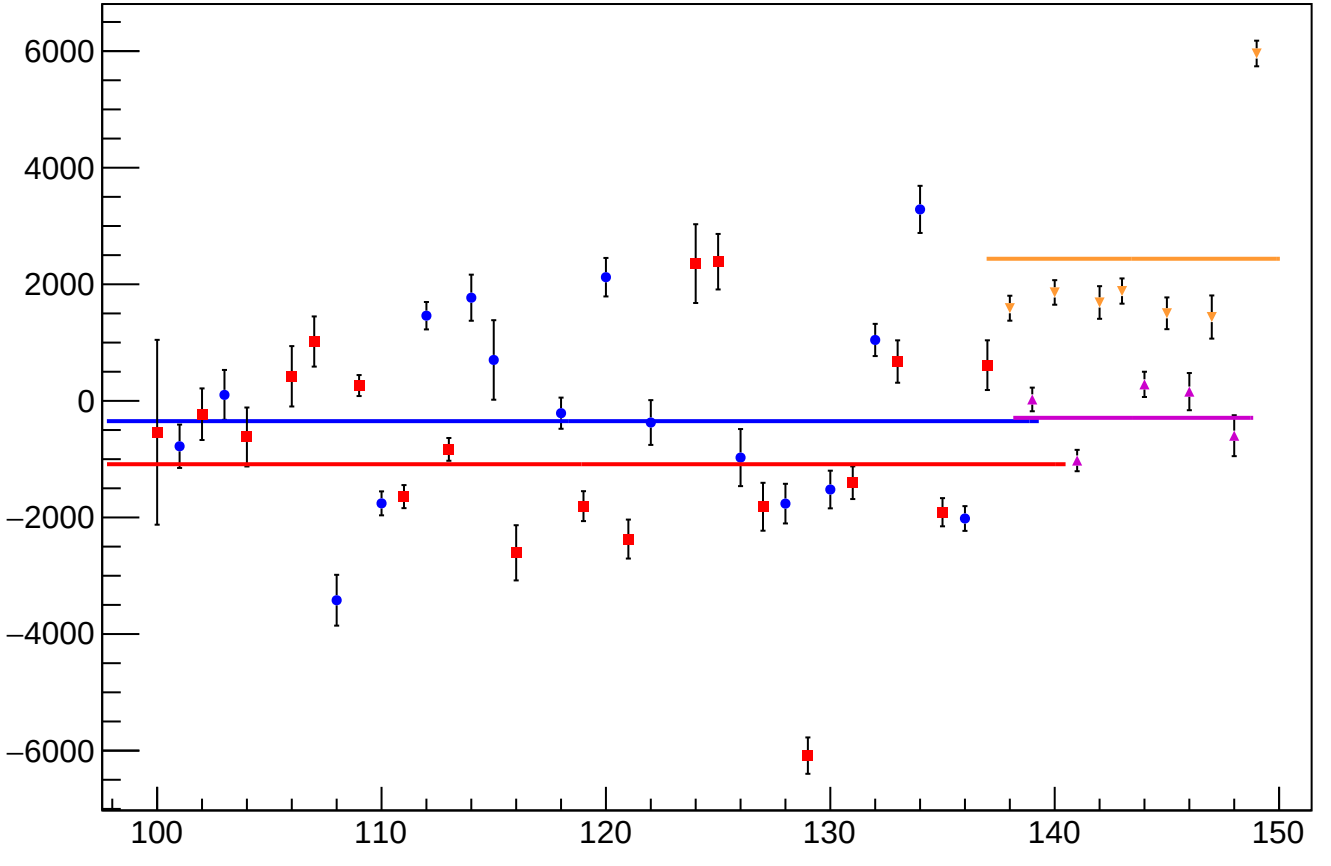
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 207.250+/-0.045 χ^2/NDF:1329981.5/20

Out: 195.900+/-0.041 χ^2/NDF:1704262.4/25

All: 201.009+/-0.030 χ^2/NDF: 3069277.9/46

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 2437.996+/-91.340 χ^2/NDF:312.4/6

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: 1243.271+/-68.485 χ^2/NDF: 731.4/11

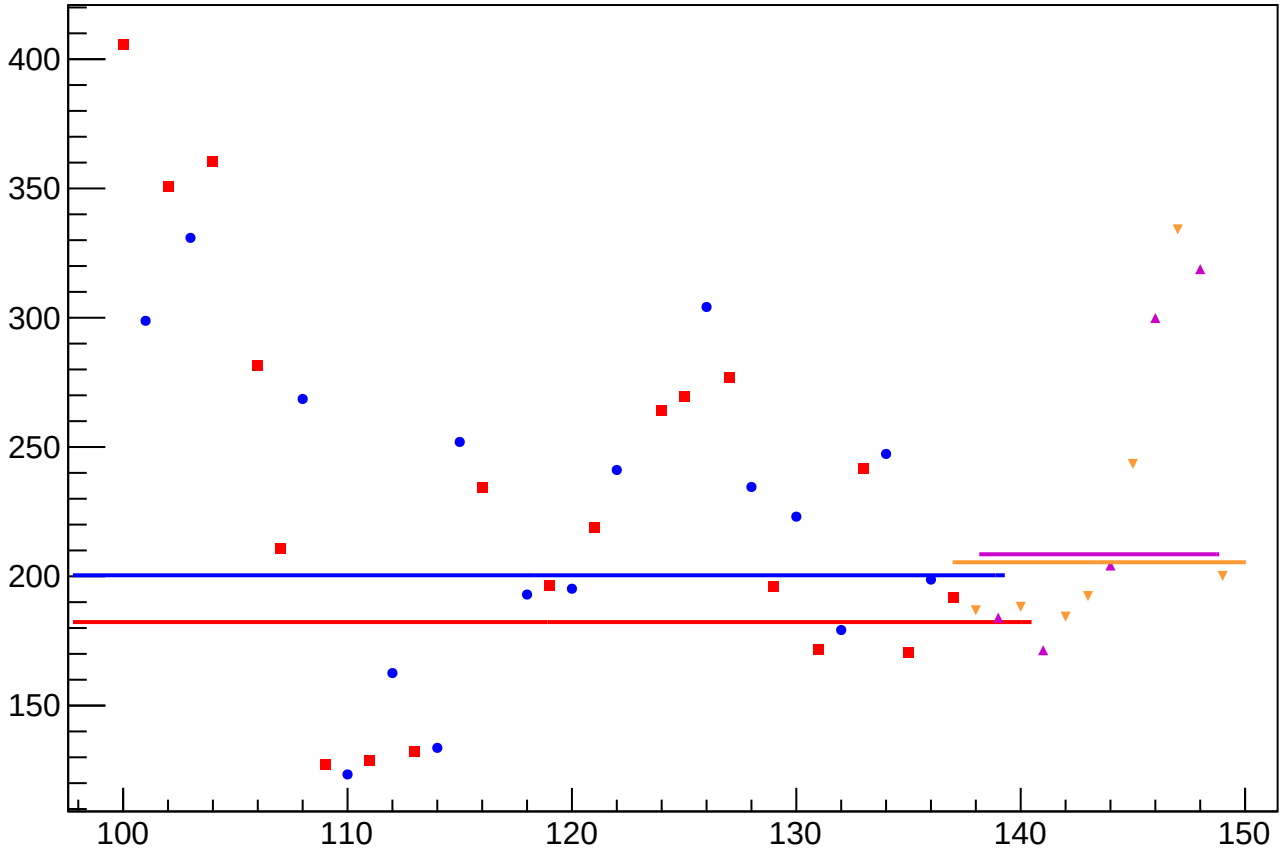
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -326.885+/-62.580 χ^2/NDF:474.2/20

Out: 253.440+/-56.321 χ^2/NDF:1762.5/25

All: -6.257+/-41.863 χ^2/NDF: 2284.2/46

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 205.436+/-0.065 χ^2/NDF:328947.8/6

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 208.519+/-0.073 χ^2/NDF:473655.0/4

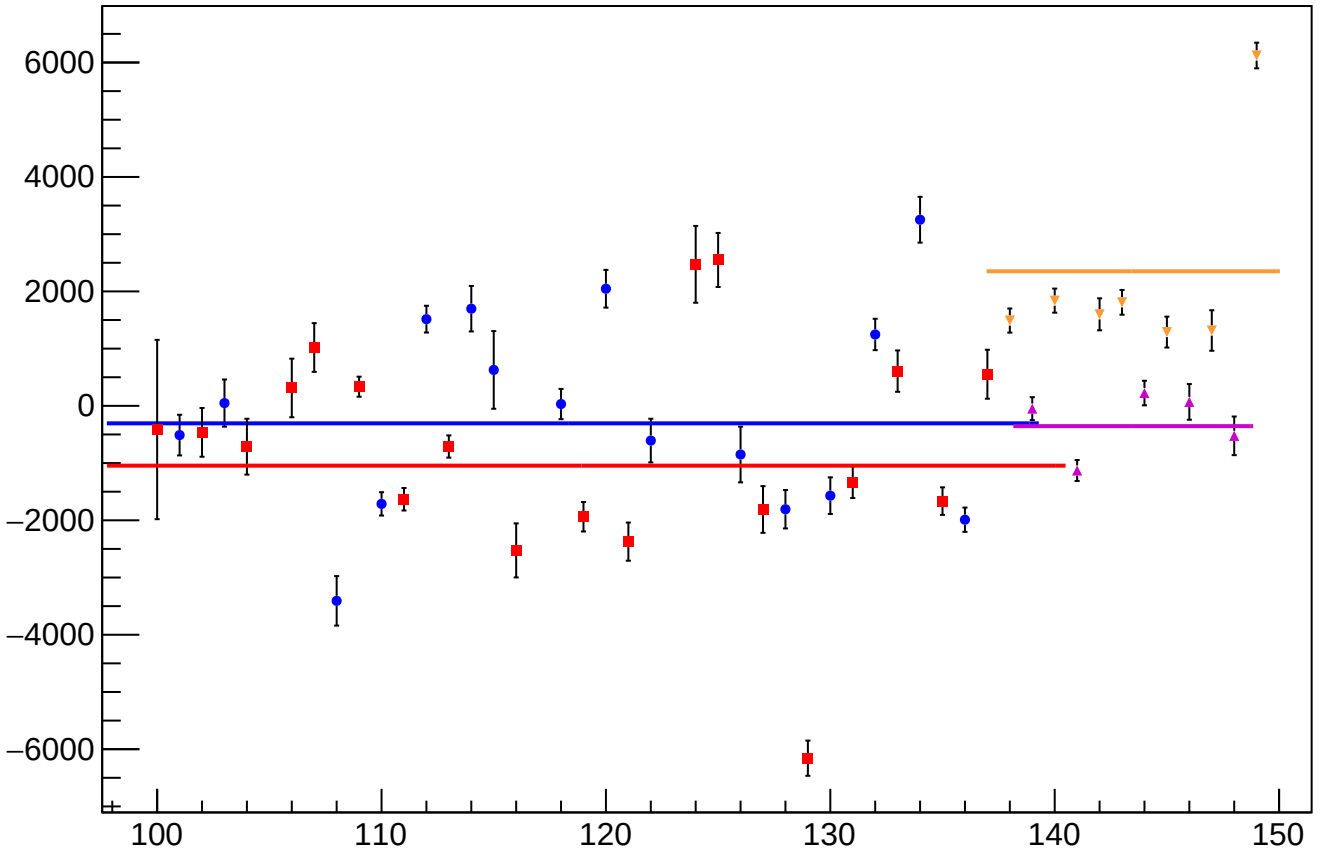
Left: 206.786+/-0.048 χ^2/NDF: 803600.3/11

Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 203.367+/-0.044 χ^2/NDF:1440466.5/20

Out: 191.098+/-0.040 χ^2/NDF:1855668.1/25

All: 196.588+/-0.030 χ^2/NDF: 3338613.4/46



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 2351.337+/-90.984 χ^2/NDF:342.8/6

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: 1155.245+/-67.961 χ^2/NDF: 763.4/11

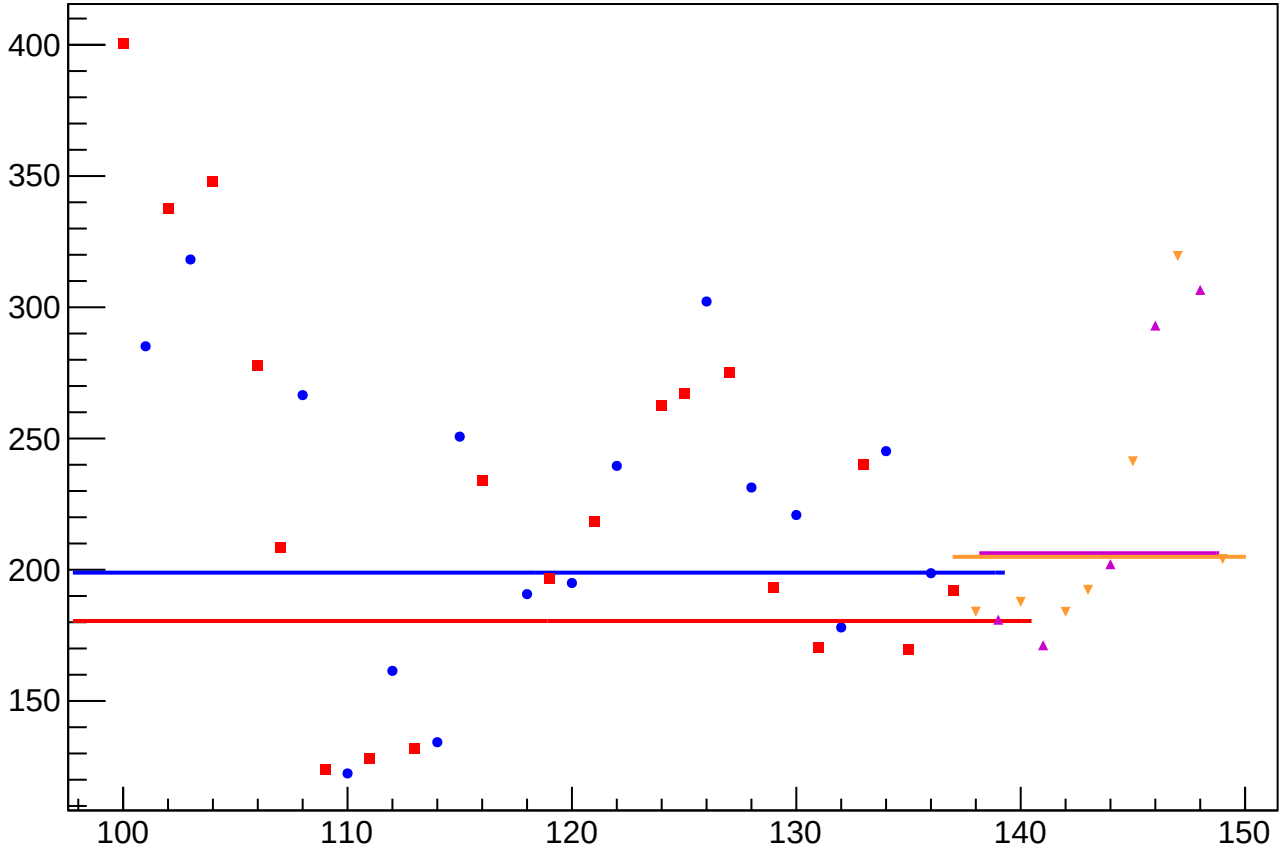
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -323.563+/-61.942 χ^2/NDF:481.6/20

Out: 236.377+/-55.887 χ^2/NDF:1762.7/25

All: -14.896+/-41.494 χ^2/NDF: 2289.4/46

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 204.923+/-0.064 χ^2/NDF:296724.1/6

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: 205.530+/-0.048 χ^2/NDF: 734377.7/11

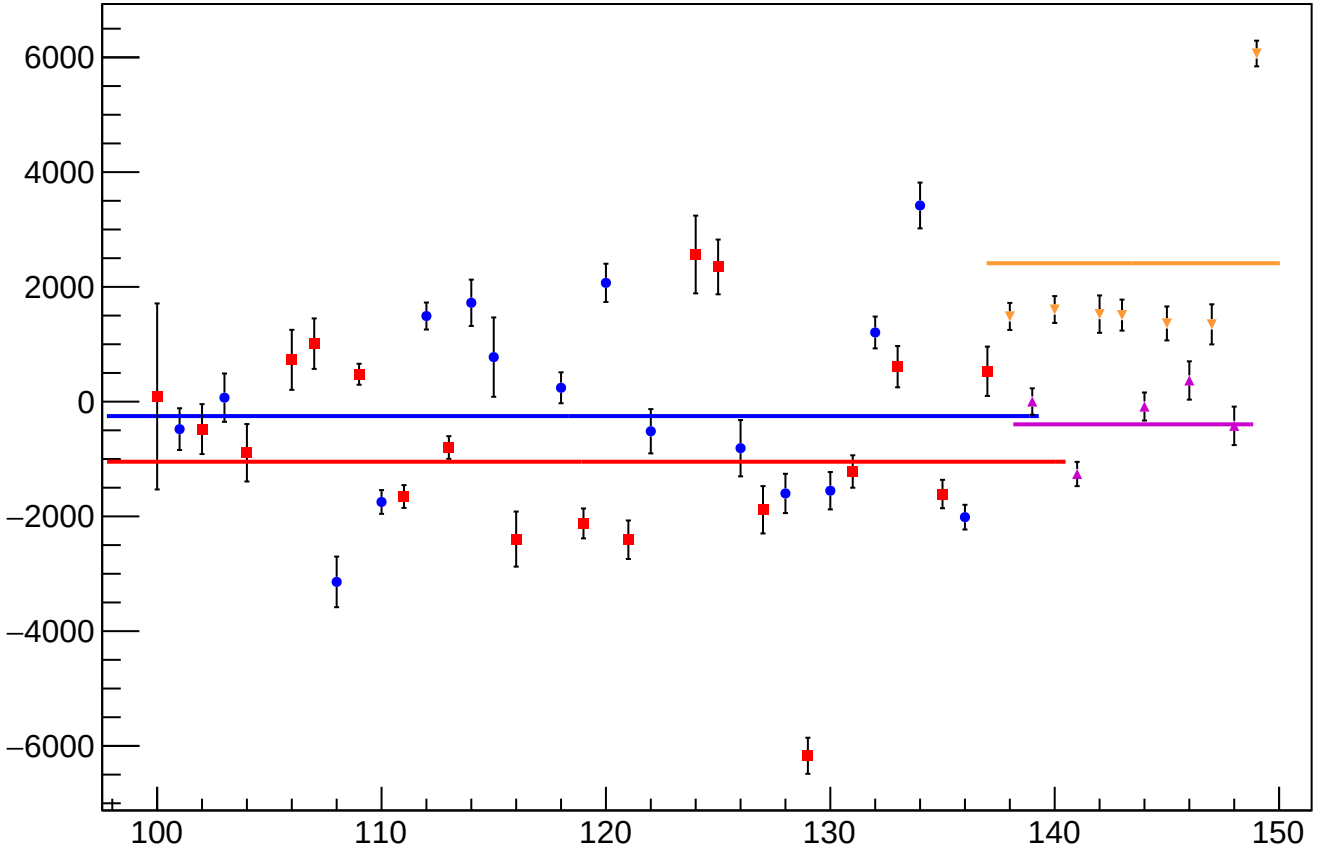
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 201.617+/-0.044 χ^2/NDF:1356837.7/20

Out: 189.698+/-0.040 χ^2/NDF:1821099.7/25

All: 195.047+/-0.029 χ^2/NDF: 3218760.5/46

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 2412.625+/-100.525 χ^2/NDF:334.4/6

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: 1194.578+/-75.645 χ^2/NDF: 699.4/11

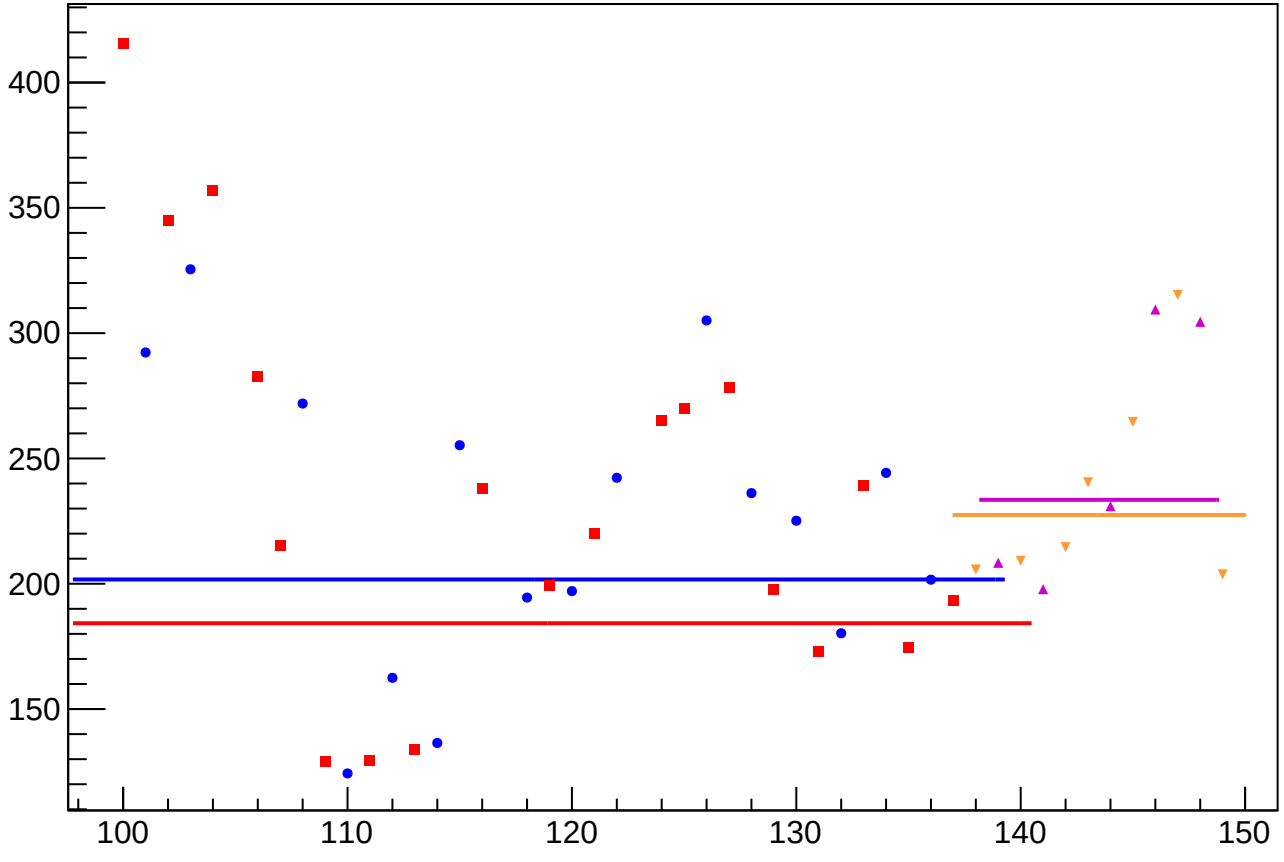
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -297.952+/-65.076 χ^2/NDF:468.9/20

Out: 130.023+/-58.637 χ^2/NDF:1662.6/25

All: -61.749+/-43.561 χ^2/NDF: 2155.3/46

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 227.450+/-0.071 χ^2/NDF:217163.5/6

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: 230.073+/-0.053 χ^2/NDF: 494396.1/11

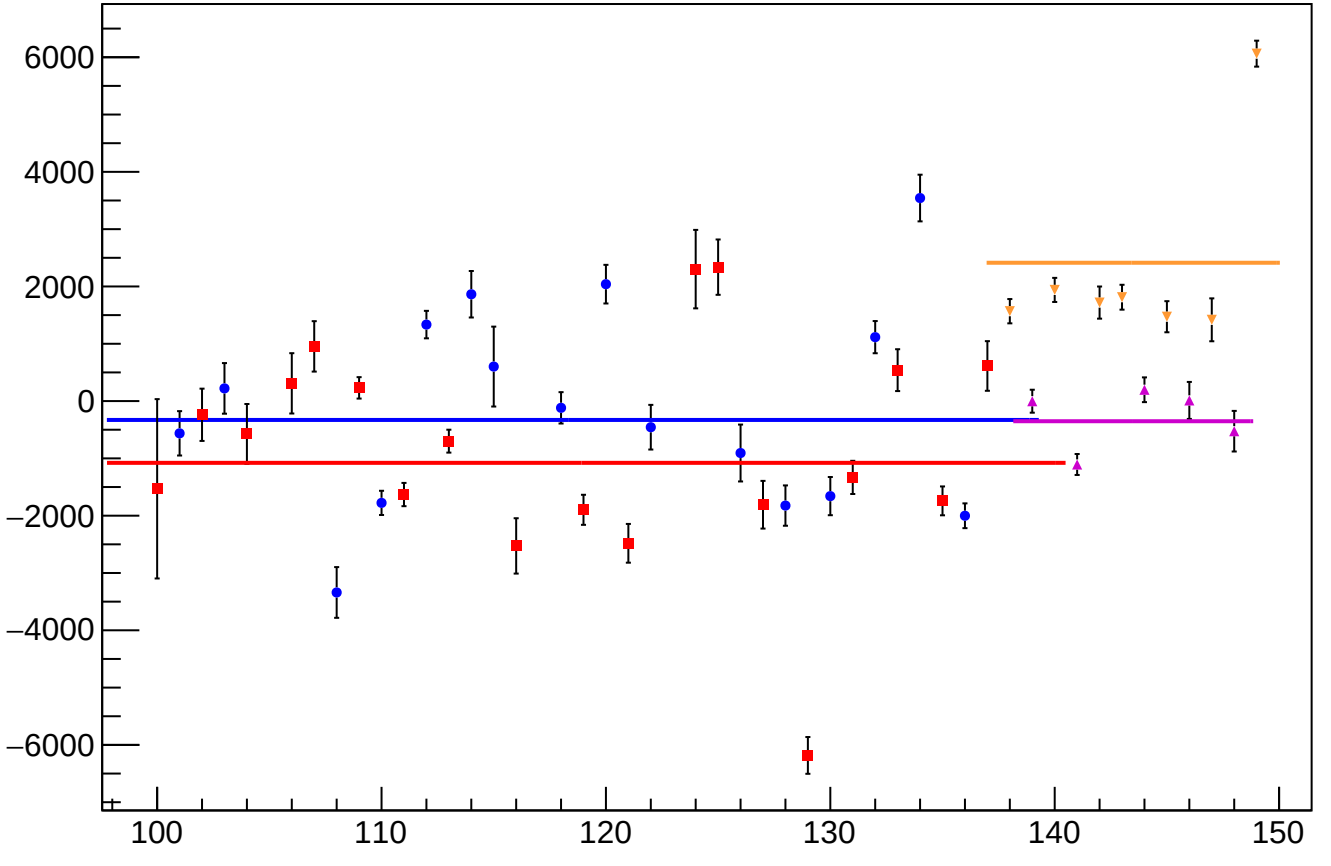
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 211.916+/-0.046 χ^2/NDF:1302293.6/20

Out: 198.944+/-0.041 χ^2/NDF:1864678.6/25

All: 204.757+/-0.031 χ^2/NDF: 3210833.2/46

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 2413.843+/-91.664 χ^2/NDF:313.2/6

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: 1194.539+/-68.540 χ^2/NDF: 742.6/11

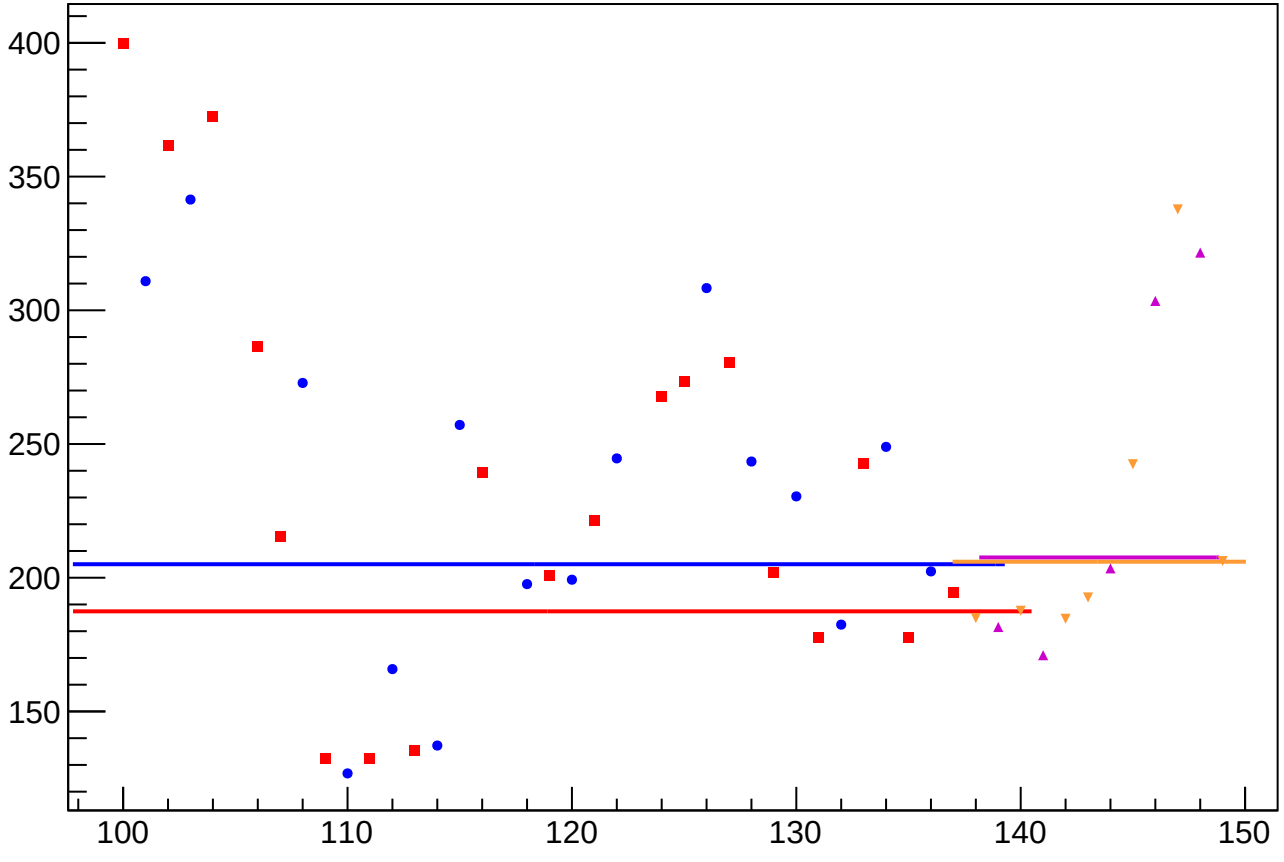
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -337.795+/-63.414 χ^2/NDF:464.5/20

Out: 286.404+/-57.297 χ^2/NDF:1699.3/25

All: 5.853+/-42.513 χ^2/NDF: 2217.1/46

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 205.989+/-0.065 χ^2/NDF:337988.7/6

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: 206.689+/-0.048 χ^2/NDF: 836220.9/11

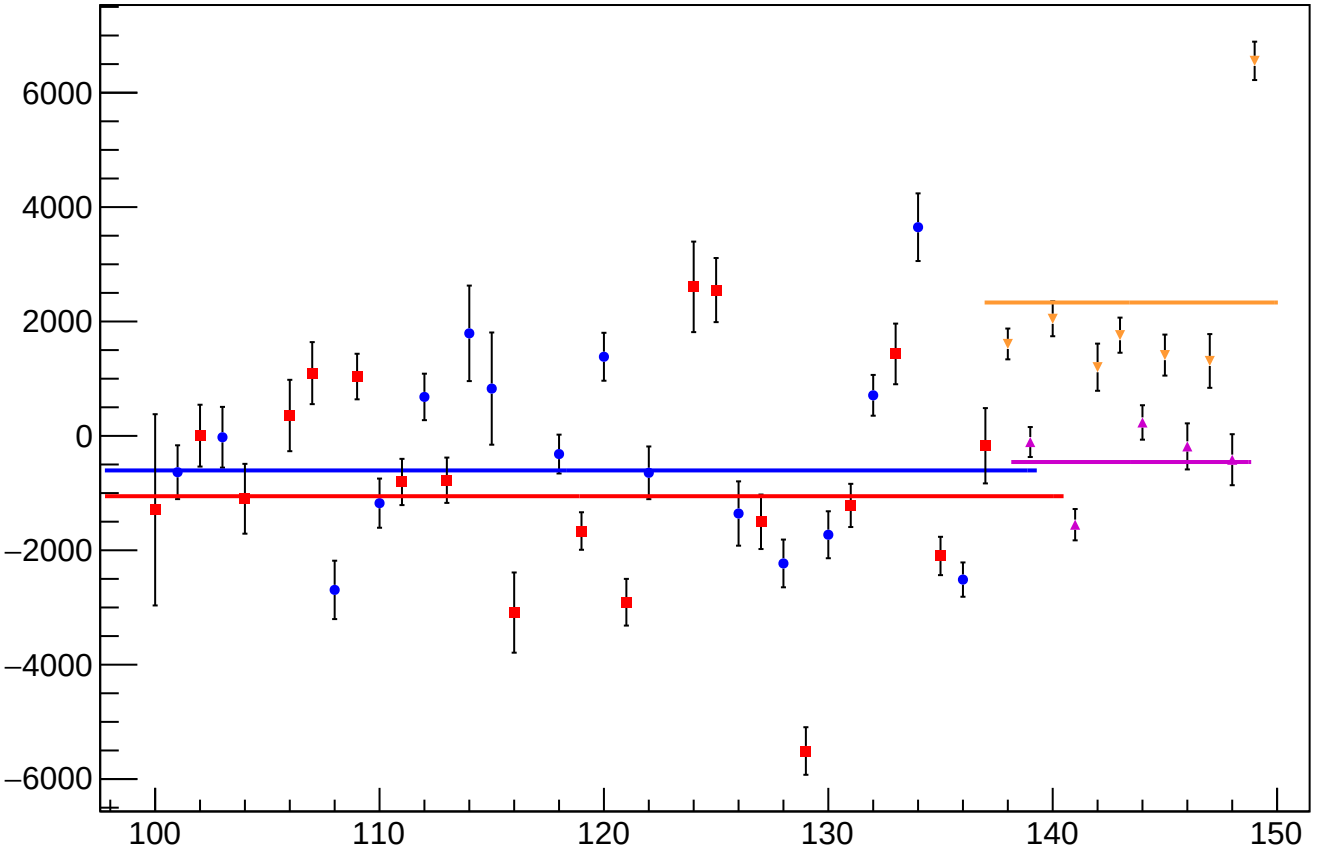
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 206.005+/-0.045 χ^2/NDF:1461763.9/20

Out: 194.682+/-0.041 χ^2/NDF:1798738.1/25

All: 199.771+/-0.030 χ^2/NDF: 3295606.2/46

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 2331.976+/-126.759 χ^2/NDF:189.1/6

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: 1088.130+/-94.346 χ^2/NDF: 428.5/11

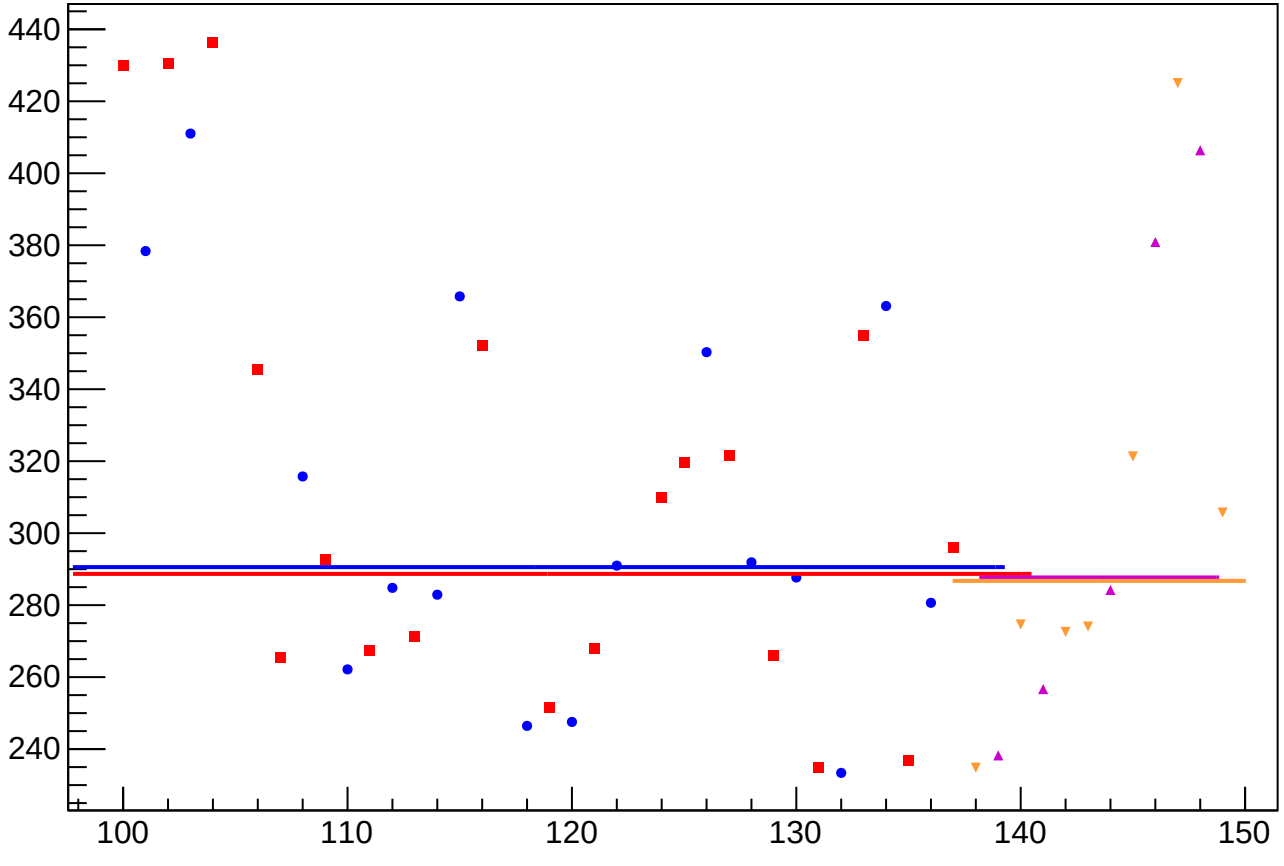
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -547.906+/-87.131 χ^2/NDF:217.7/20

Out: 373.842+/-82.324 χ^2/NDF:899.4/25

All: -60.906+/-59.839 χ^2/NDF: 1176.3/46

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 286.740+/-0.090 χ^2/NDF:281590.3/6

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: 287.166+/-0.067 χ^2/NDF: 627481.7/11

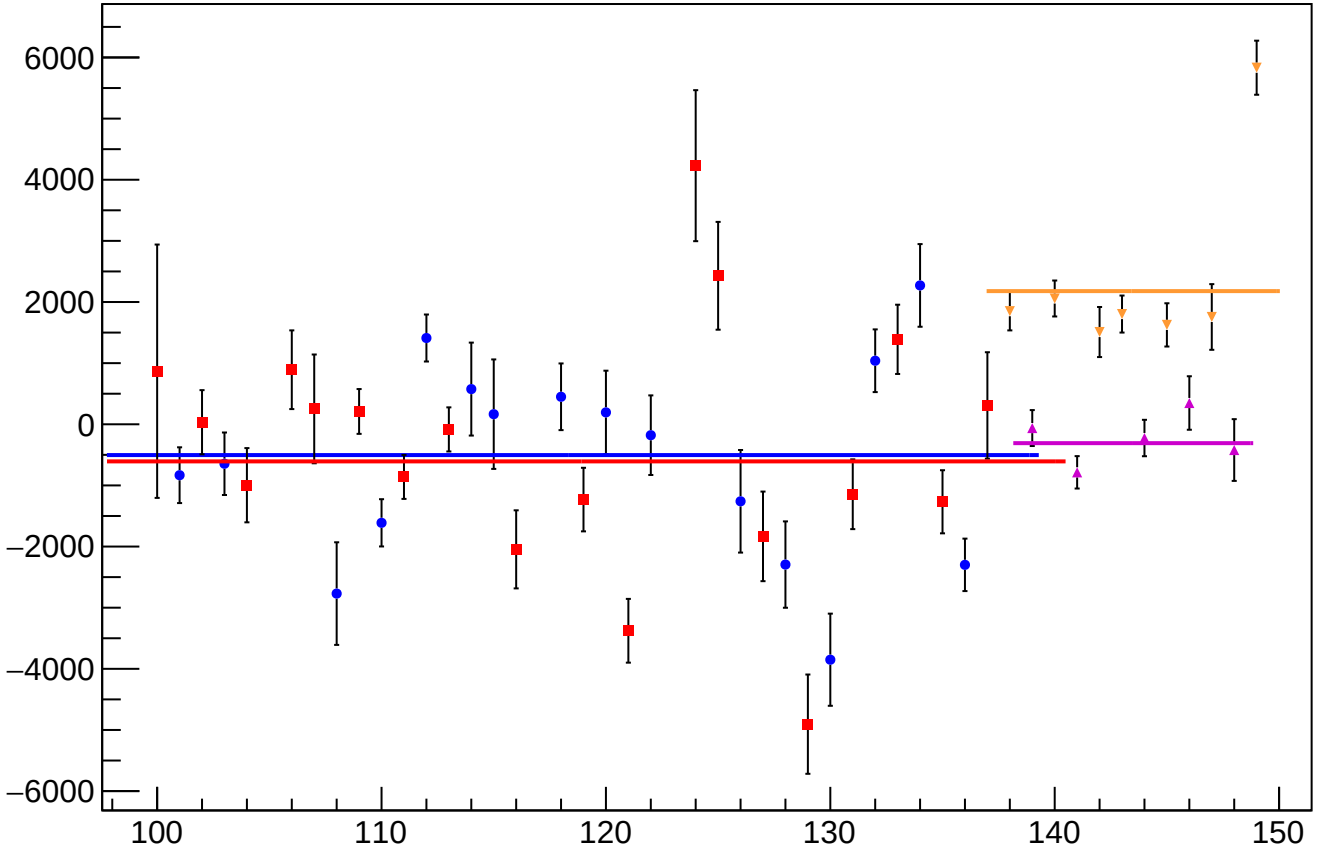
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 289.474+/-0.062 χ^2/NDF:706159.9/20

Out: 287.865+/-0.058 χ^2/NDF:770957.7/25

All: 288.624+/-0.042 χ^2/NDF: 1477477.9/46

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 2178.210+/-134.688 χ^2/NDF:76.8/6

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: 1043.751+/-99.324 χ^2/NDF: 238.6/11

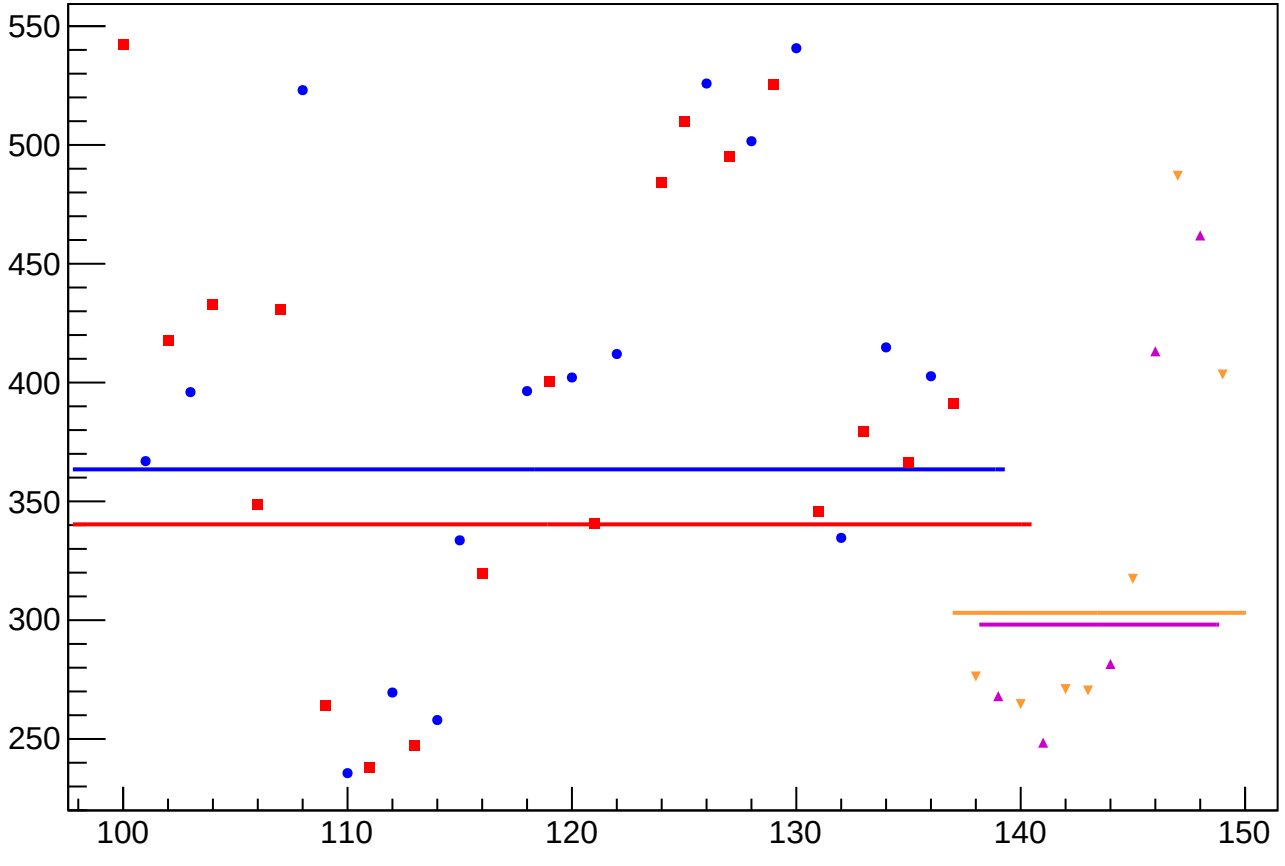
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -410.910+/-101.420 χ^2/NDF:125.5/20

Out: 732.160+/-93.391 χ^2/NDF:423.9/25

All: 207.655+/-68.701 χ^2/NDF: 618.2/46

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 303.091+/-0.095 χ^2/NDF:424916.3/6

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: 300.833+/-0.070 χ^2/NDF: 872208.8/11

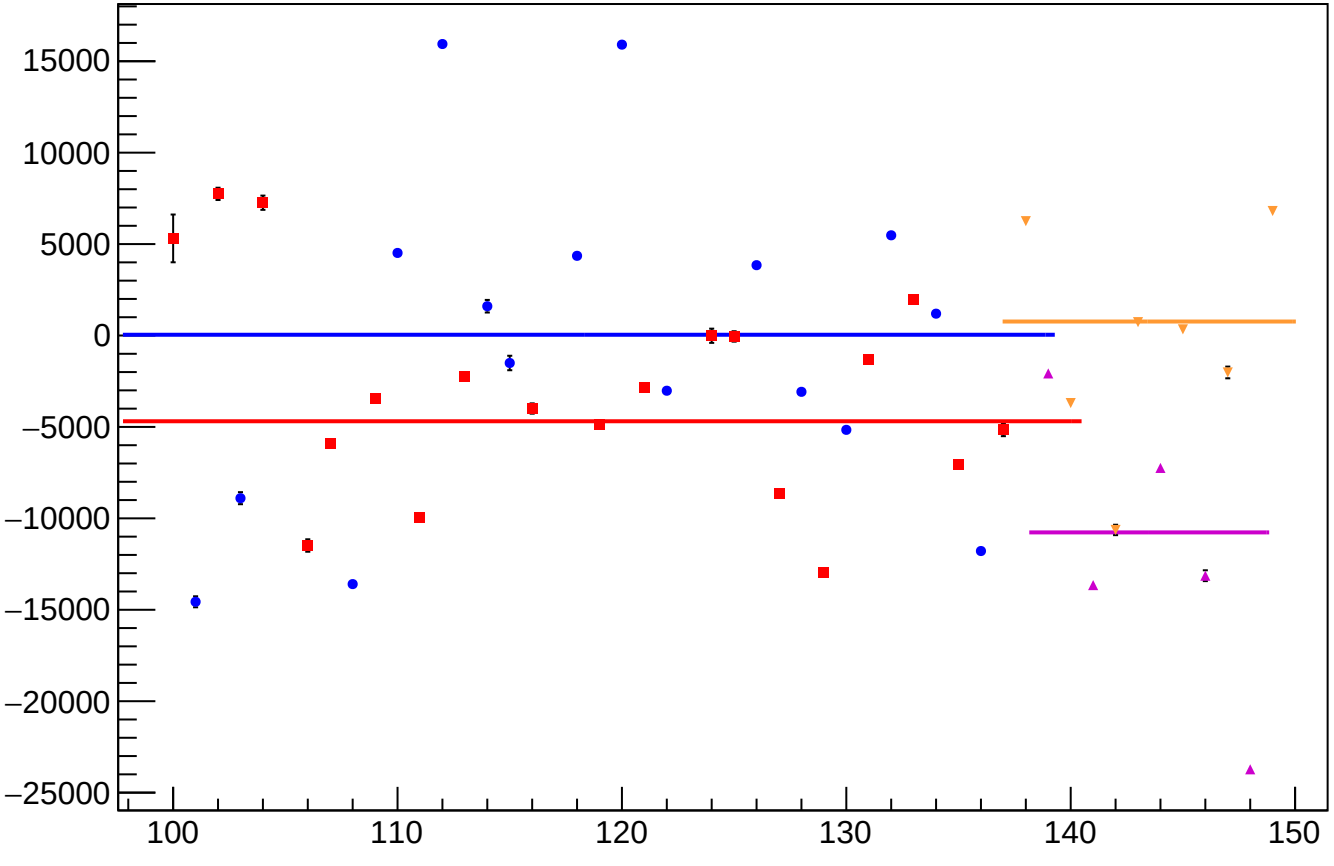
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 332.398+/-0.072 χ^2/NDF:1433929.8/20

Out: 322.427+/-0.066 χ^2/NDF:1360534.3/25

All: 327.002+/-0.049 χ^2/NDF: 2804923.6/46

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 764.615+/-89.854 χ^2/NDF:3645.4/6

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: -4470.736+/-66.397 χ^2/NDF: 16555.6/11

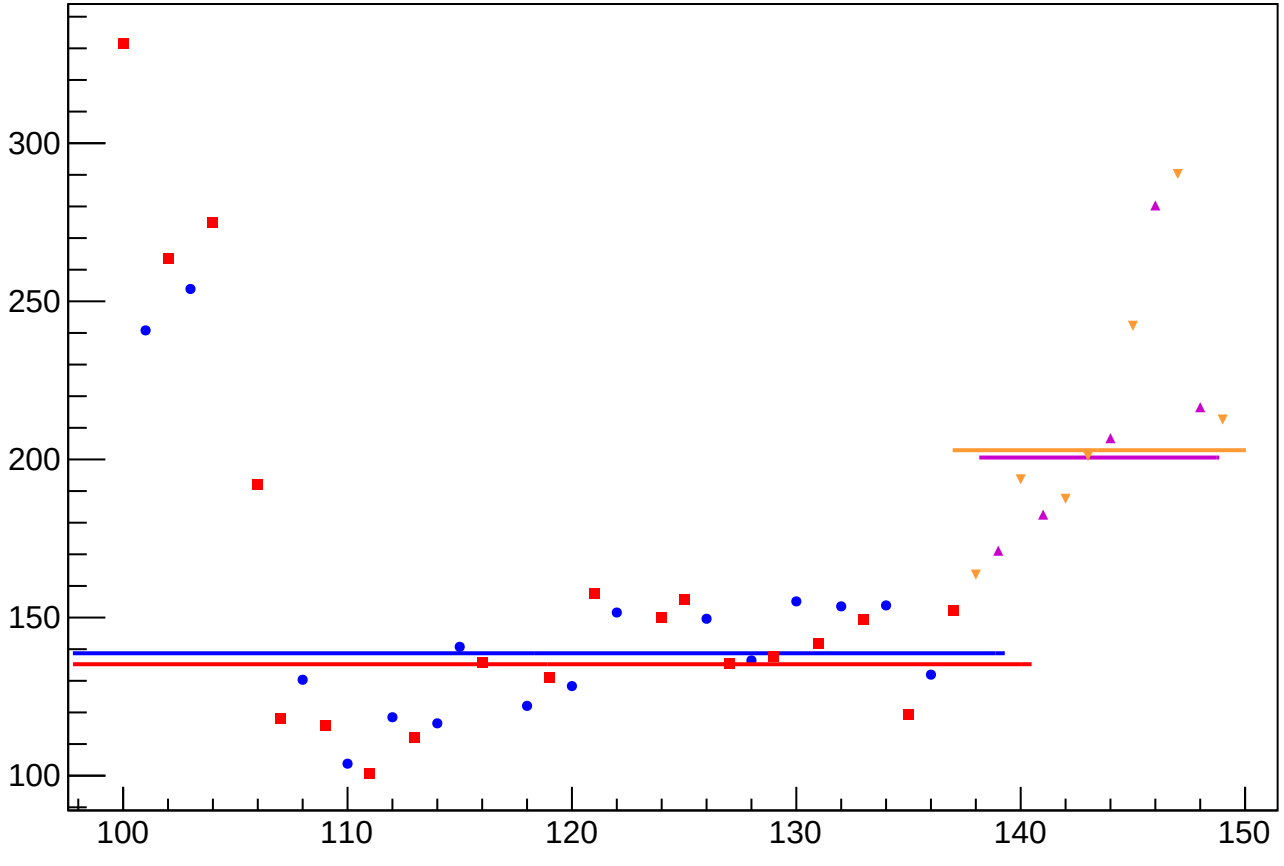
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -2469.290+/-47.490 χ^2/NDF:45454.9/20

Out: -3317.532+/-45.068 χ^2/NDF:14198.8/25

All: -2915.591+/-32.691 χ^2/NDF: 59821.5/46

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 202.921+/-0.064 χ^2/NDF:292889.2/6

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: 201.869+/-0.047 χ^2/NDF: 513906.6/11

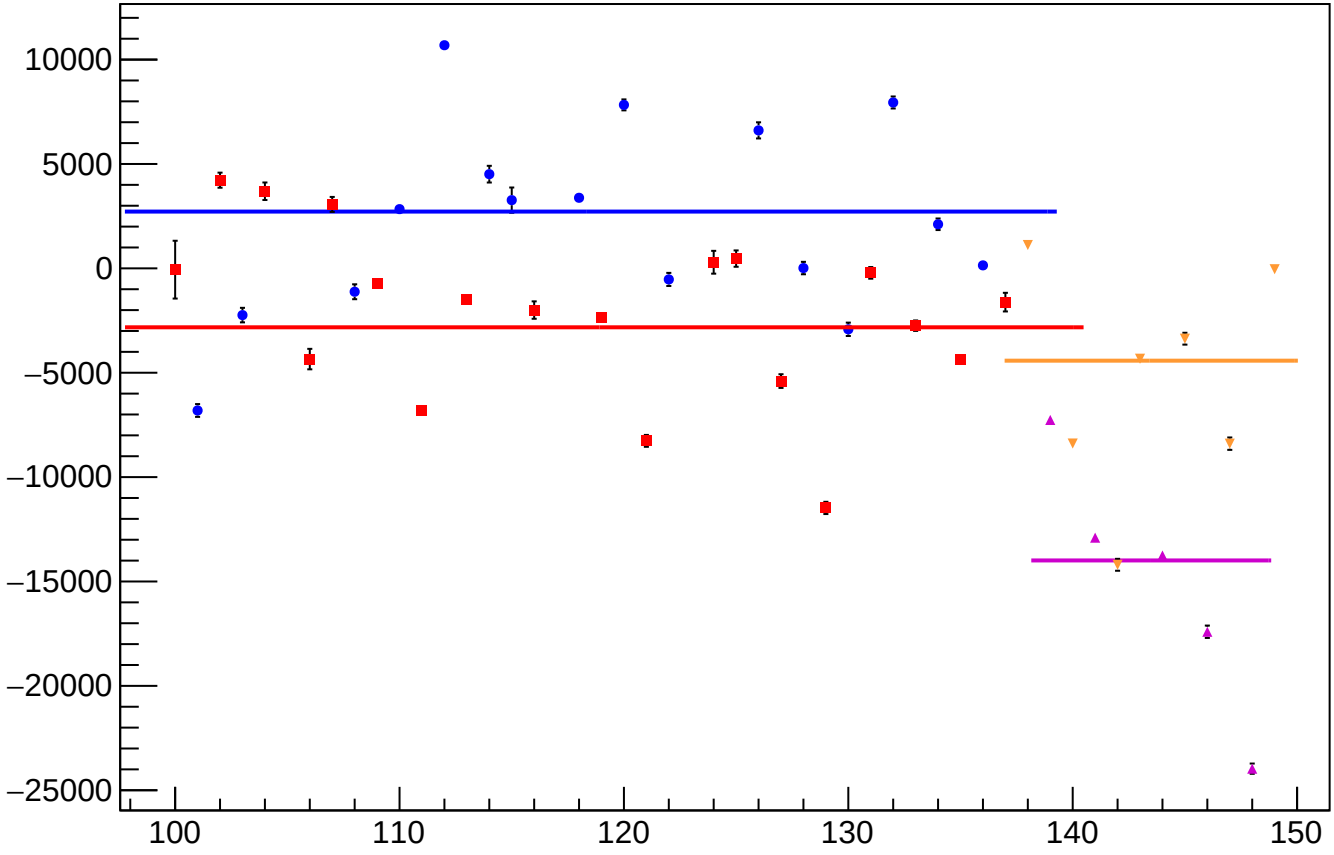
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 153.085+/-0.034 χ^2/NDF:1483892.7/20

Out: 152.271+/-0.032 χ^2/NDF:2032033.3/25

All: 152.657+/-0.023 χ^2/NDF: 3516235.7/46

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4422.078+/-90.045 χ^2/NDF:2867.6/6

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: -8719.652+/-66.834 χ^2/NDF: 10897.3/11

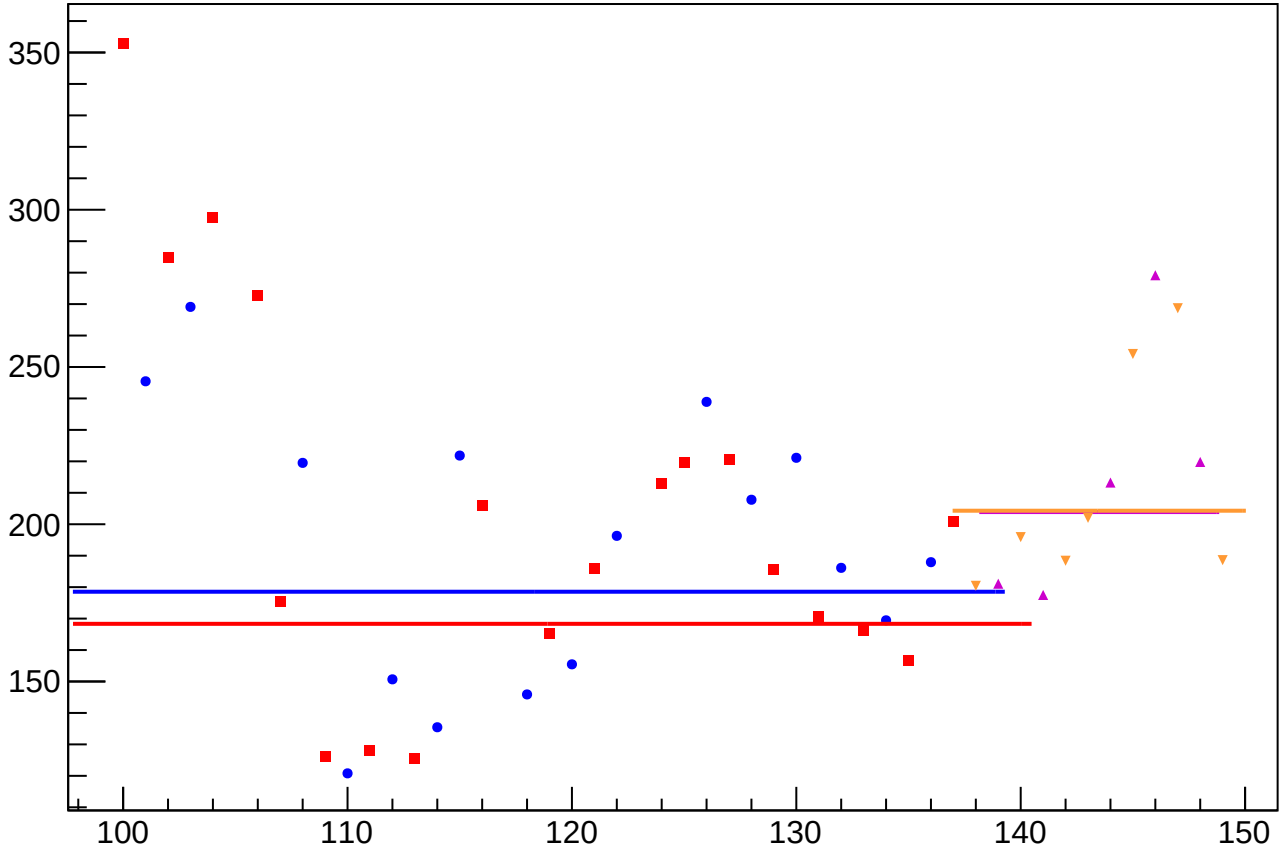
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -2716.016+/-56.880 χ^2/NDF:26031.4/20

Out: -3369.591+/-52.623 χ^2/NDF:6137.9/25

All: -3068.175+/-38.628 χ^2/NDF: 32240.5/46

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 204.301+/-0.064 χ^2/NDF:203307.6/6

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: 204.109+/-0.047 χ^2/NDF: 409109.5/11

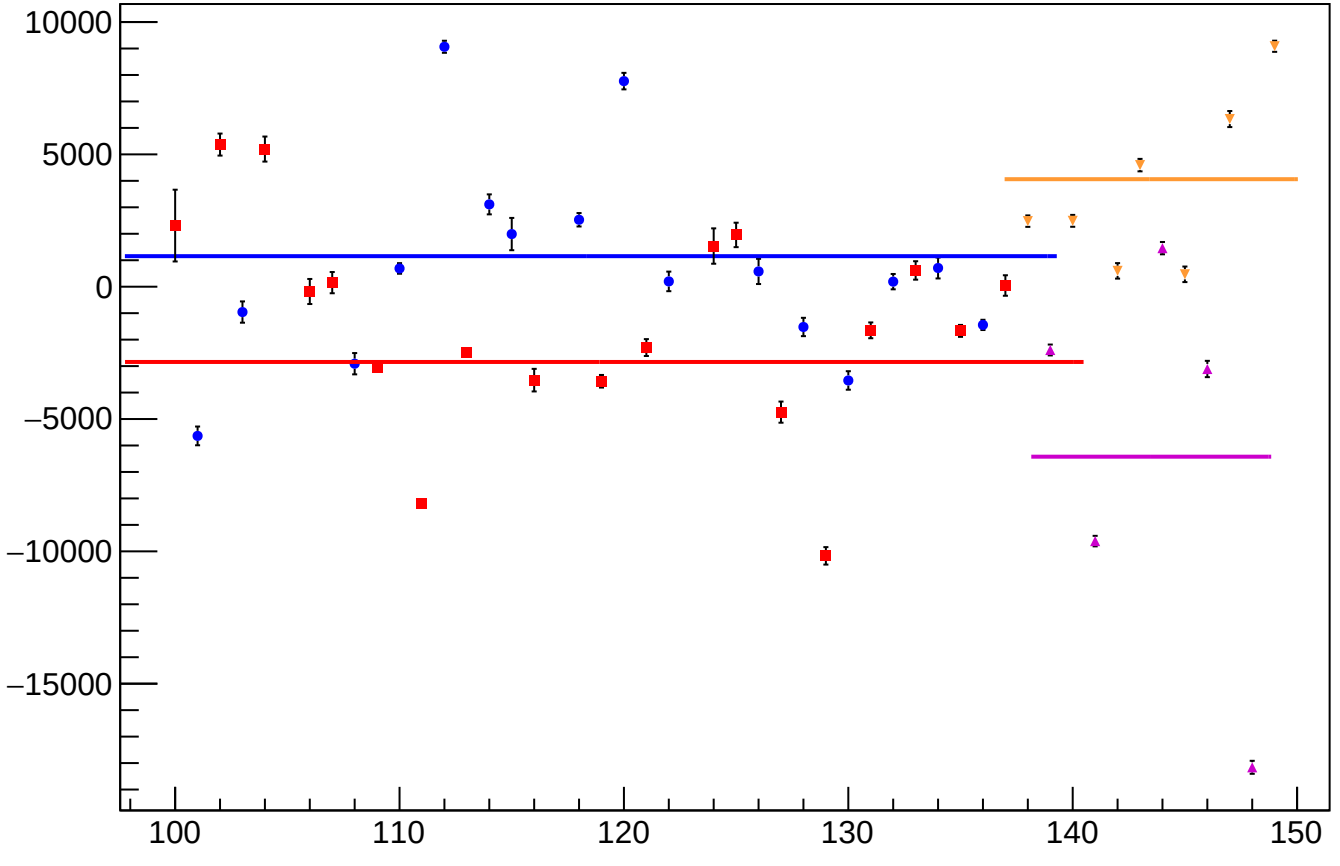
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 186.781+/-0.040 χ^2/NDF:967410.2/20

Out: 180.619+/-0.037 χ^2/NDF:1392904.3/25

All: 183.461+/-0.027 χ^2/NDF: 2372963.2/46

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 4062.480+/-92.926 χ^2/NDF:1020.2/6

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: -651.269+/-68.944 χ^2/NDF: 10933.5/11

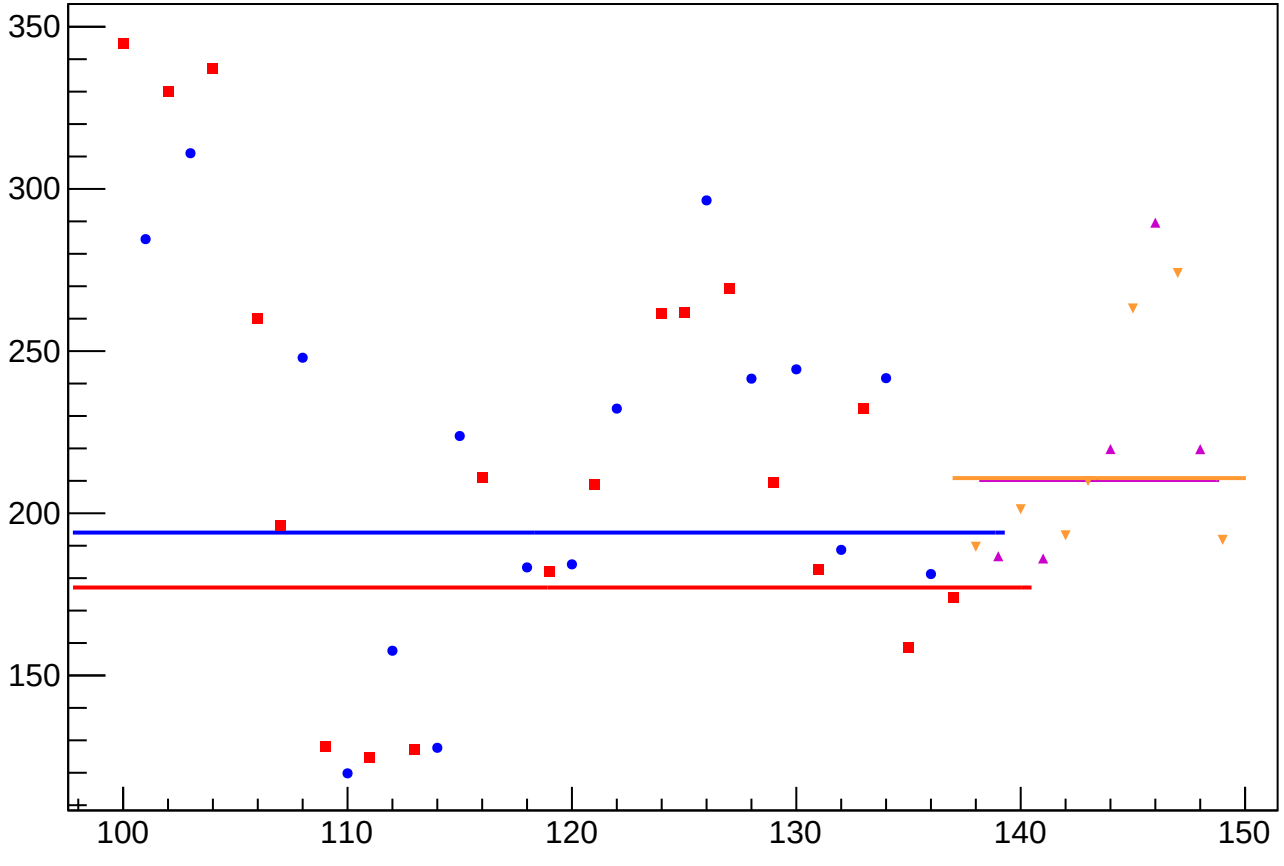
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1520.970+/-61.095 χ^2/NDF:10357.7/20

Out: -383.021+/-55.470 χ^2/NDF:7028.7/25

All: -897.206+/-41.068 χ^2/NDF: 17576.6/46

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 210.847+/-0.066 χ^2/NDF:196634.9/6

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 210.270+/-0.073 χ^2/NDF:194829.5/4

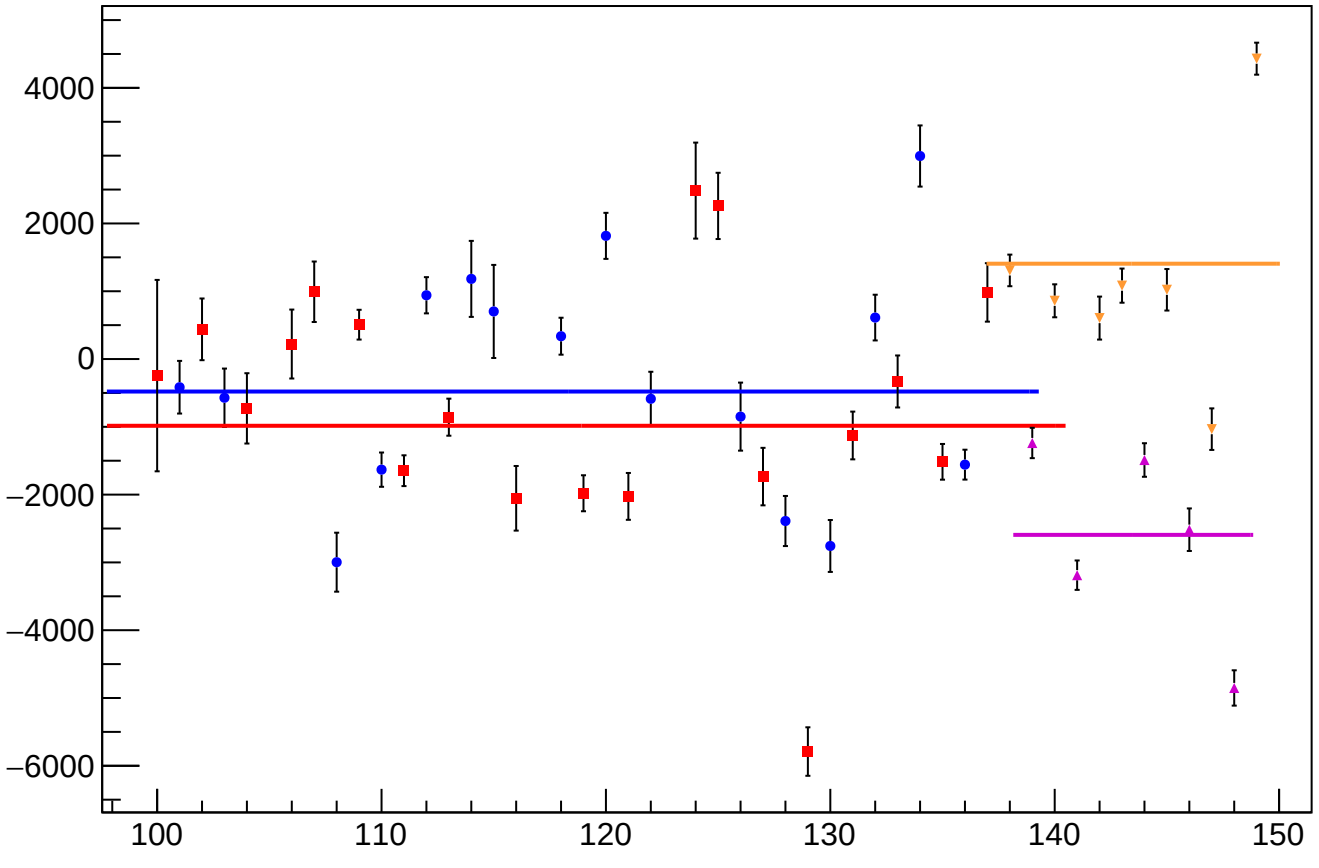
Left: 210.588+/-0.049 χ^2/NDF: 391499.1/11

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.778+/-0.043 χ^2/NDF:1192800.2/20

Out: 189.134+/-0.039 χ^2/NDF:1725614.7/25

All: 193.944+/-0.029 χ^2/NDF: 2951687.1/46



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1406.365+/-99.862 χ^2/NDF:242.3/6

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: -398.875+/-73.972 χ^2/NDF: 1105.8/11

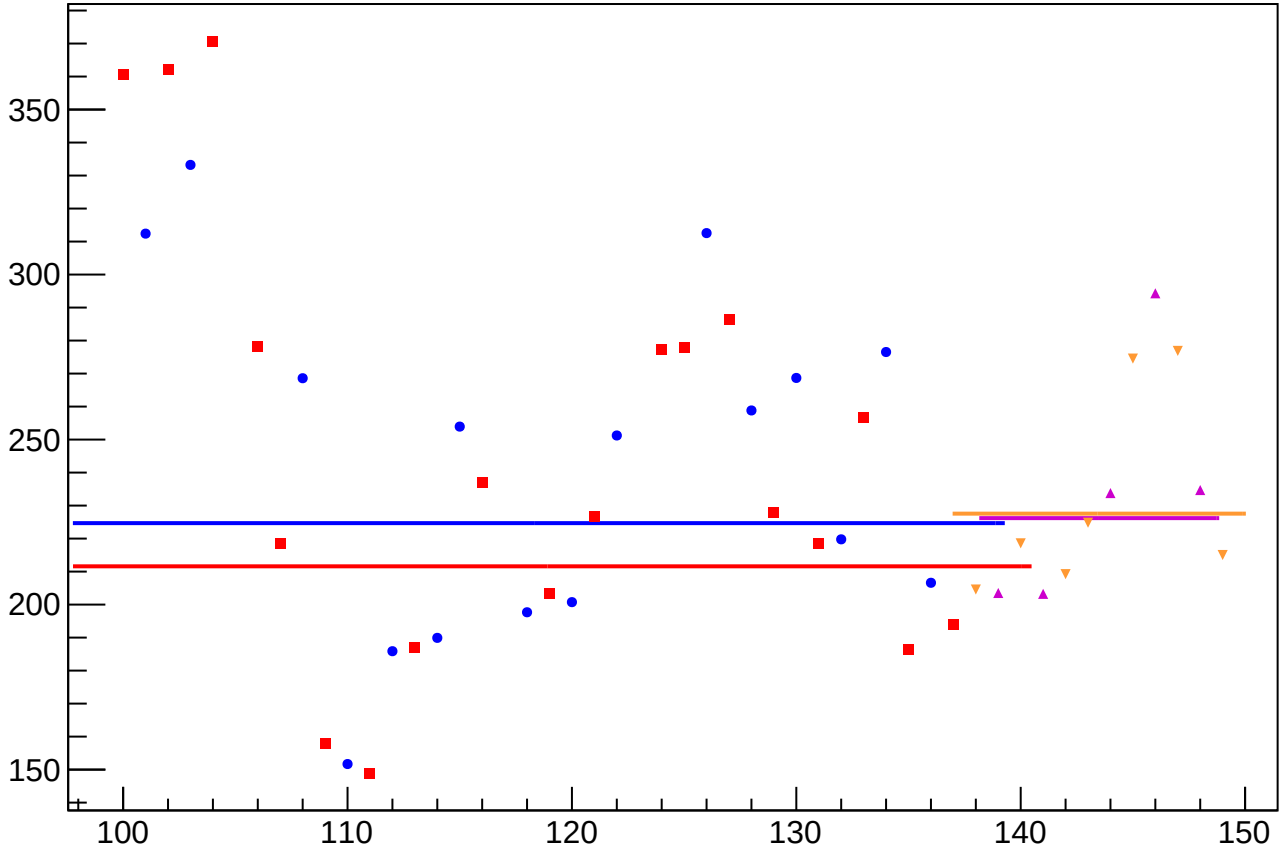
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1288.332+/-68.112 χ^2/NDF:672.4/20

Out: -36.496+/-62.882 χ^2/NDF:986.4/25

All: -612.518+/-46.203 χ^2/NDF: 1841.2/46

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 227.560+/-0.071 χ^2/NDF:133624.6/6

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: 226.946+/-0.052 χ^2/NDF: 275039.5/11

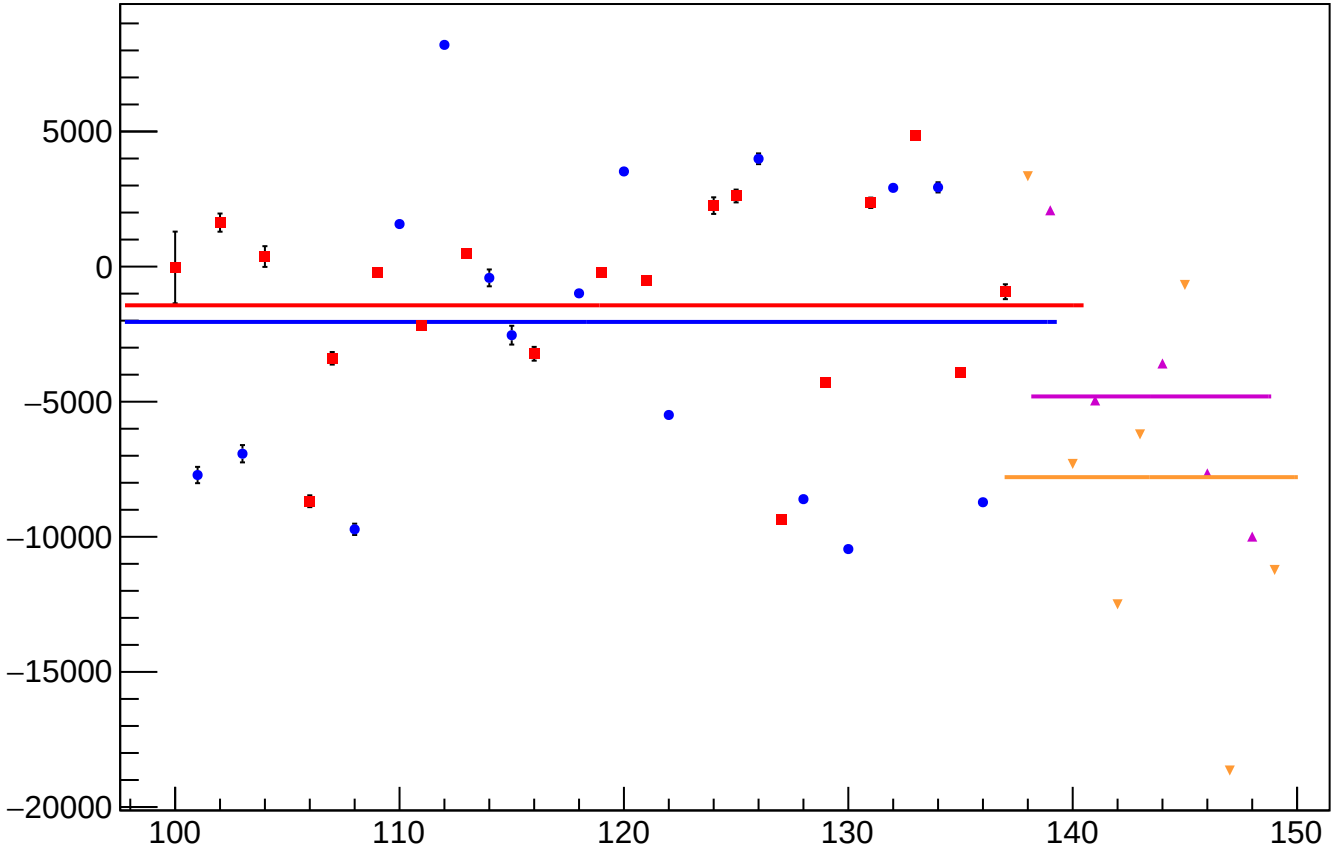
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.263+/-0.048 χ^2/NDF:794675.4/20

Out: 217.925+/-0.044 χ^2/NDF:1097374.8/25

All: 221.302+/-0.033 χ^2/NDF: 1904582.5/46

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7792.158+/-48.936 χ^2/NDF:19956.2/6

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: -6471.123+/-36.546 χ^2/NDF: 26945.9/11

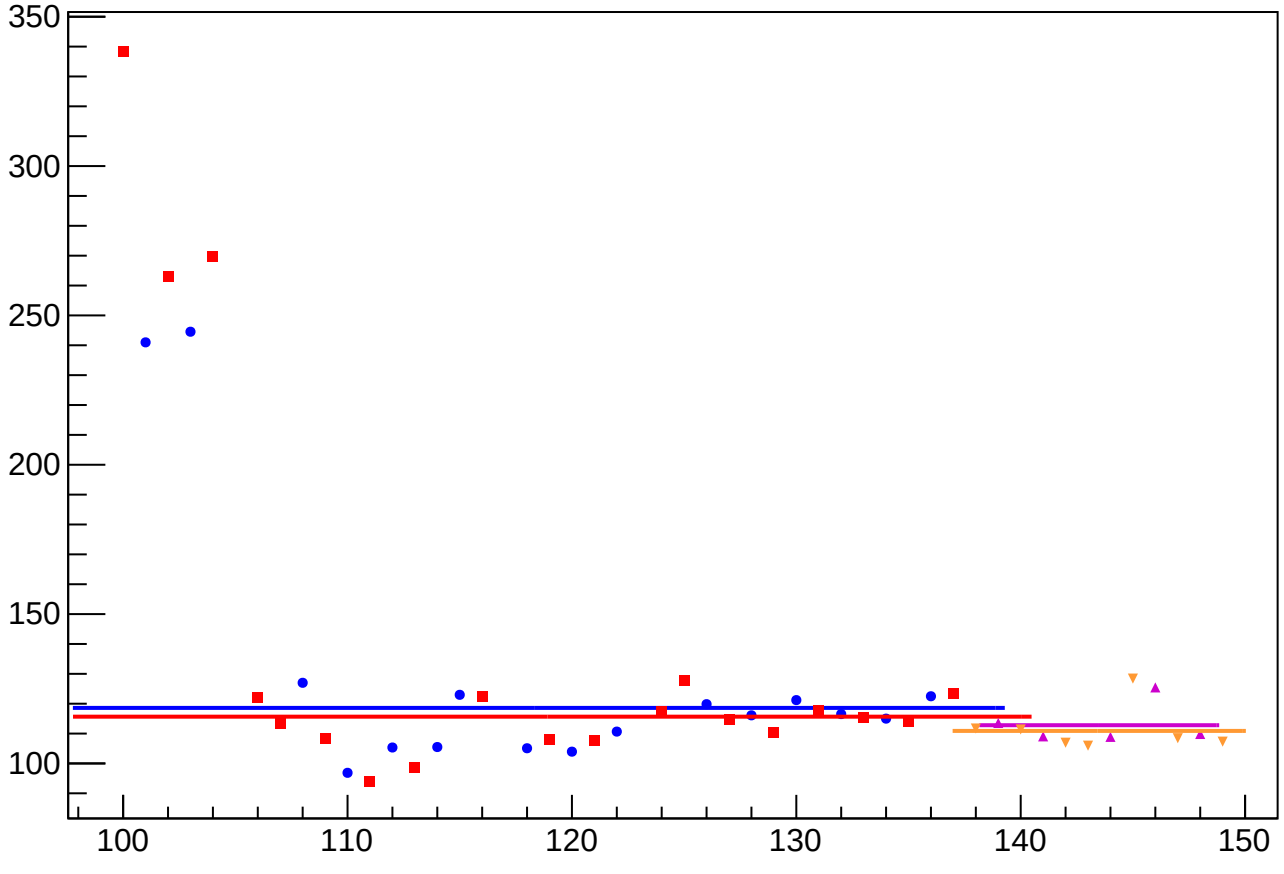
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3204.397+/-35.596 χ^2/NDF:23513.0/20

Out: -4327.490+/-33.015 χ^2/NDF:35544.5/25

All: -3808.119+/-24.206 χ^2/NDF: 59592.6/46

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 110.891+/-0.035 χ^2/NDF:36512.9/6

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: 111.735+/-0.026 χ^2/NDF: 61204.6/11

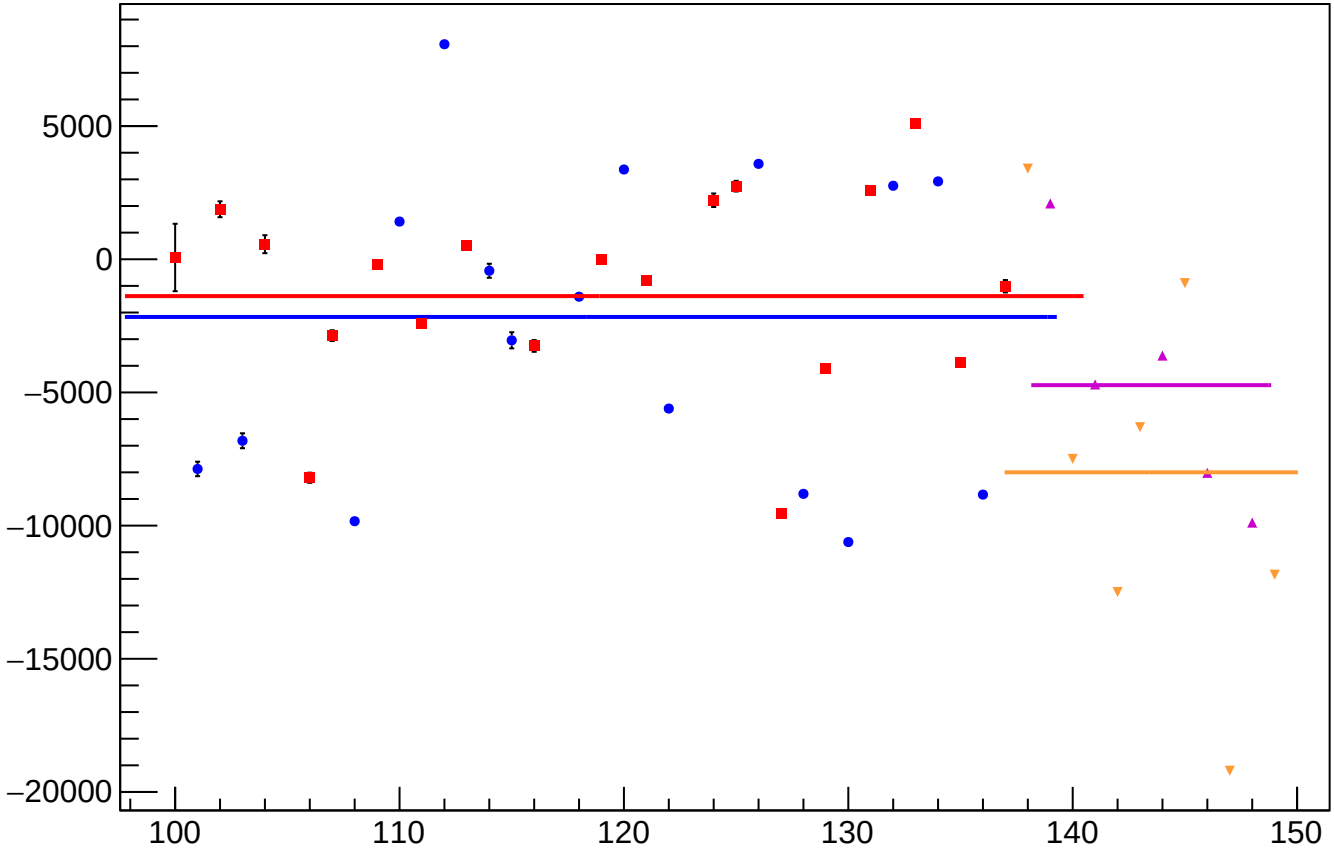
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.164+/-0.025 χ^2/NDF:770423.1/20

Out: 113.489+/-0.023 χ^2/NDF:911064.7/25

All: 114.726+/-0.017 χ^2/NDF: 1687557.3/46

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -7999.042+/-45.368 χ^2/NDF:23893.1/6

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: -6560.977+/-33.968 χ^2/NDF: 32405.8/11

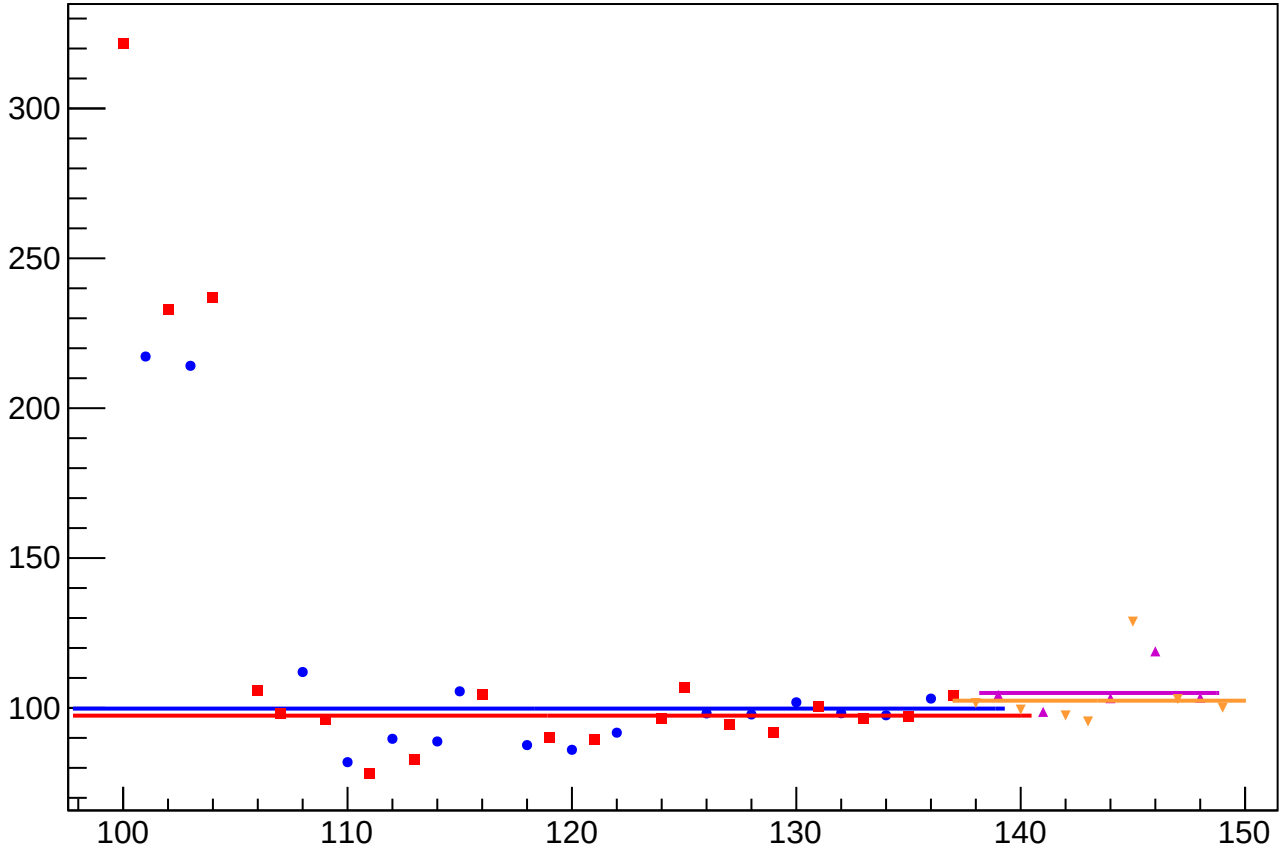
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3124.272+/-31.350 χ^2/NDF:30663.4/20

Out: -4108.811+/-29.120 χ^2/NDF:45546.0/25

All: -3652.785+/-21.336 χ^2/NDF: 76738.9/46

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.415+/-0.032 χ^2/NDF:78670.1/6

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: 103.547+/-0.024 χ^2/NDF: 113410.8/11

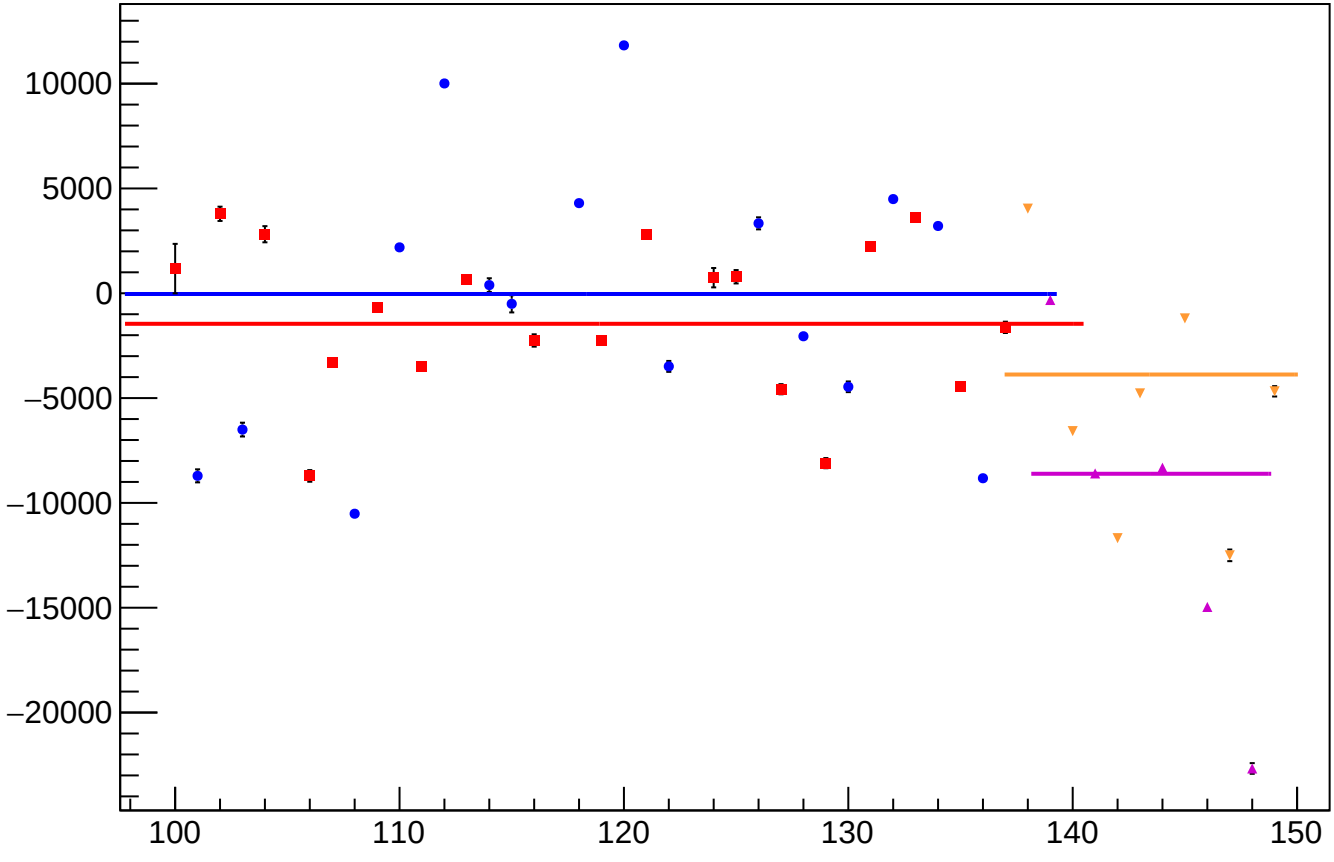
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 101.727+/-0.022 χ^2/NDF:854030.6/20

Out: 99.482+/-0.021 χ^2/NDF:1018931.8/25

All: 100.522+/-0.015 χ^2/NDF: 1878466.9/46

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3875.585+/-74.380 χ^2/NDF:5139.2/6

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: -5983.272+/-55.405 χ^2/NDF: 13482.2/11

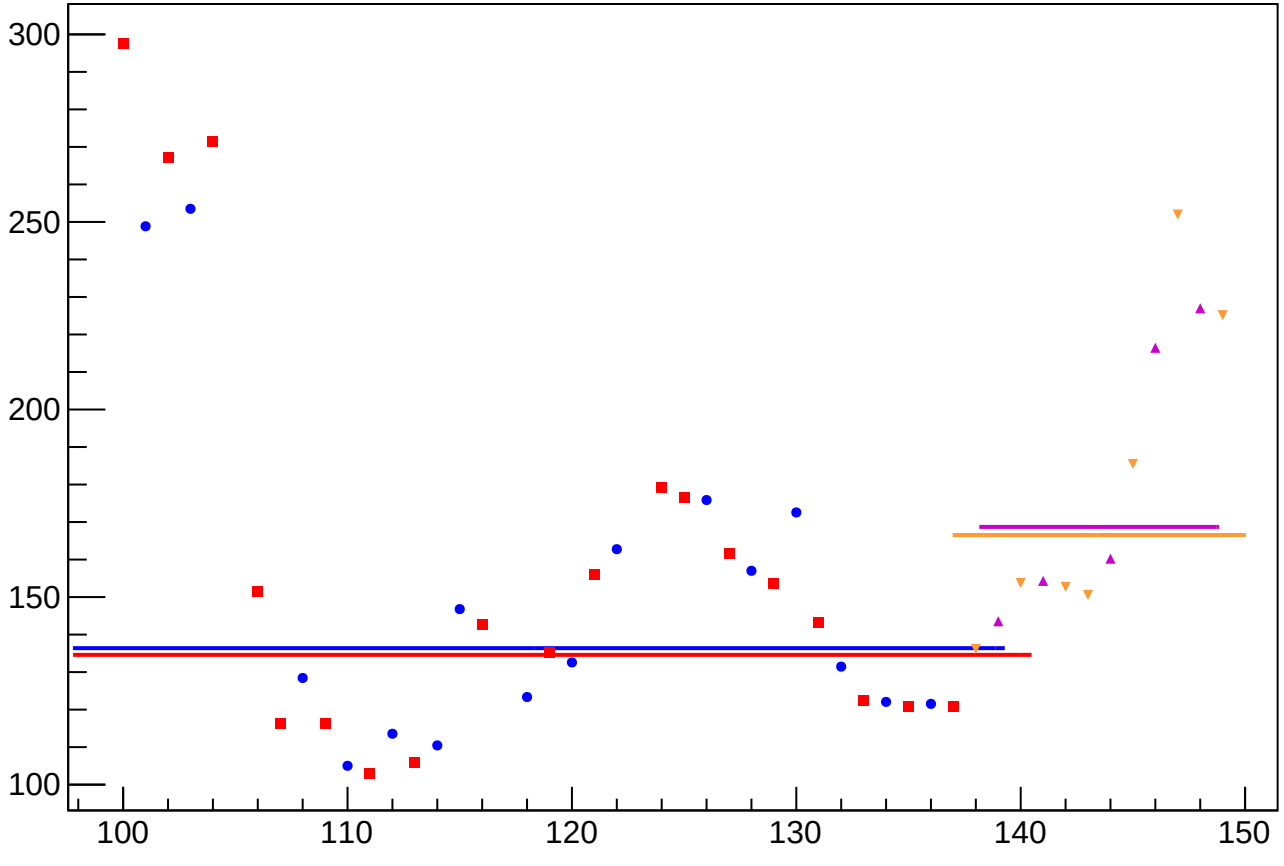
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -2547.743+/-44.954 χ^2/NDF:30881.3/20

Out: -2249.680+/-42.588 χ^2/NDF:9967.1/25

All: -2390.661+/-30.917 χ^2/NDF: 40871.6/46

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 166.544+/-0.053 χ^2/NDF:430397.4/6

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 168.706+/-0.059 χ^2/NDF:261868.9/4

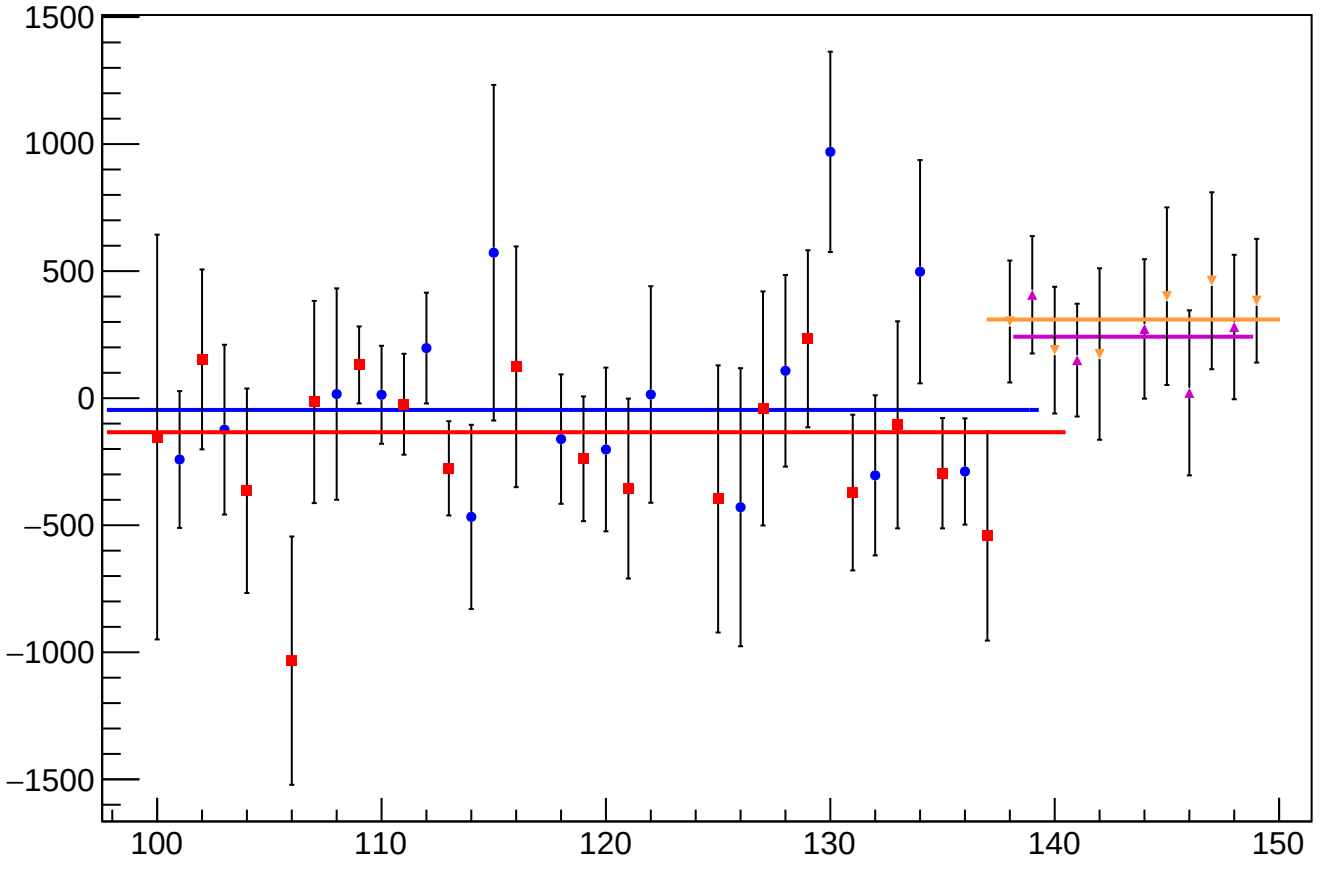
Left: 167.506+/-0.039 χ^2/NDF: 693018.4/11

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 145.855+/-0.032 χ^2/NDF:1272922.4/20

Out: 145.071+/-0.030 χ^2/NDF:1597974.5/25

All: 145.442+/-0.022 χ^2/NDF: 2871217.3/46



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 309.524+/-115.059 χ^2/NDF:0.7/5

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 241.989+/-116.099 χ^2/NDF:1.2/4

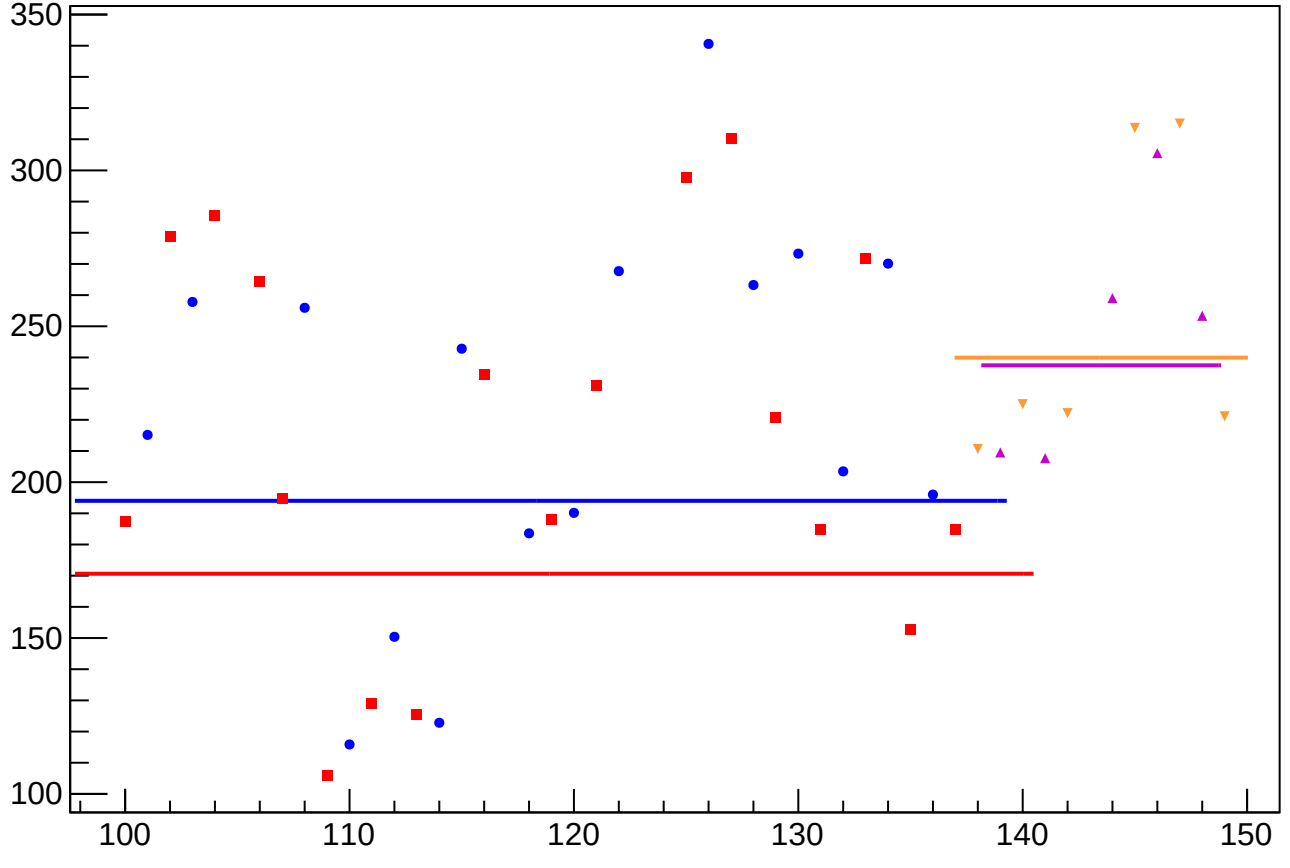
Left: 276.060+/-81.724 χ^2/NDF: 2.1/10

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 40.701+/-63.753 χ^2/NDF:20.9/20

Out: -18.088+/-58.804 χ^2/NDF:24.6/23

All: 8.936+/-43.224 χ^2/NDF: 46.0/44



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 239.938+/-0.081 χ^2/NDF:236359.2/5

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 237.475+/-0.082 χ^2/NDF:171760.2/4

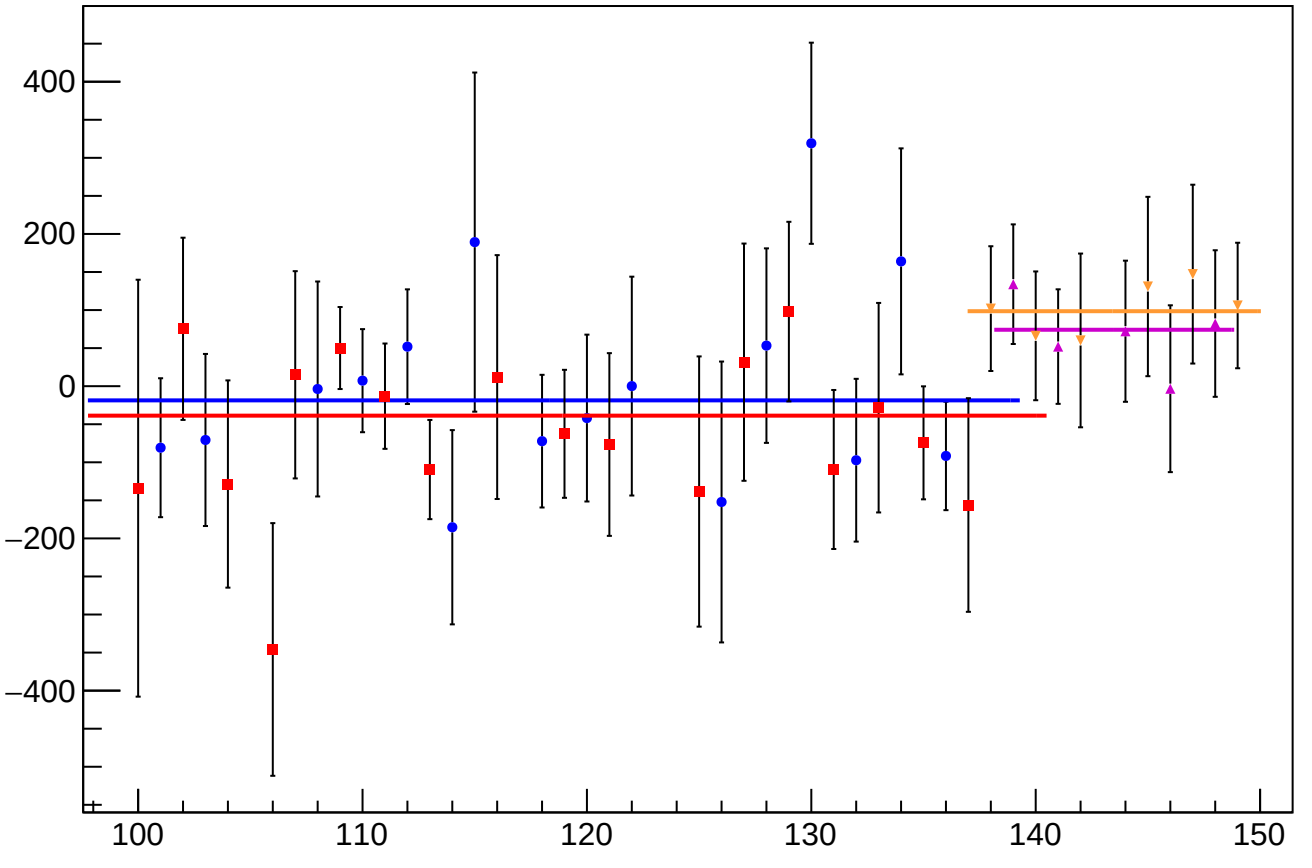
Left: 238.717+/-0.058 χ^2/NDF: 408573.5/10

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 207.121+/-0.045 χ^2/NDF:1411077.2/20

Out: 188.728+/-0.042 χ^2/NDF:2366336.4/23

All: 197.183+/-0.031 χ^2/NDF: 3867357.3/44



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 98.510+/-39.014 χ^2/NDF:0.5/5

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 74.126+/-39.344 χ^2/NDF:1.2/4

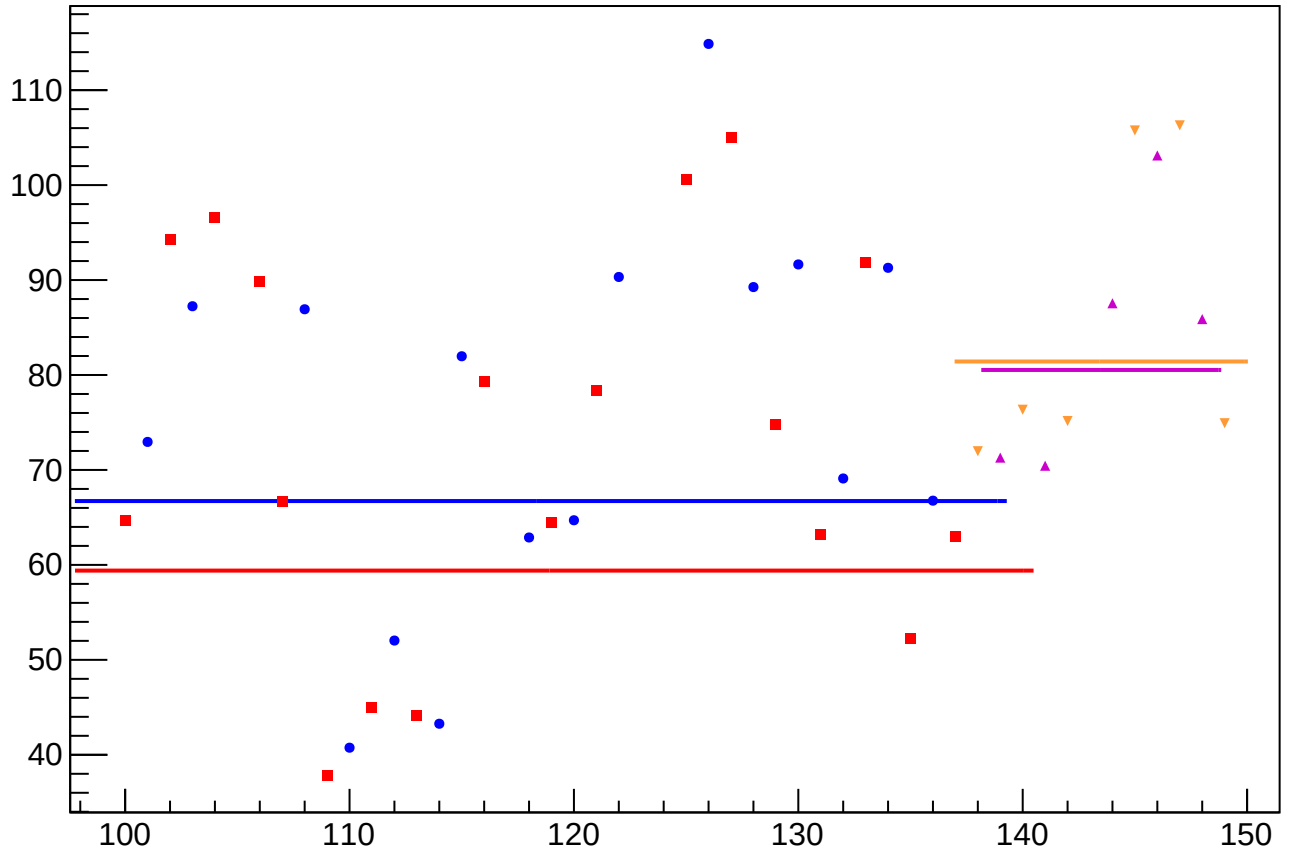
Left: 86.421+/-27.703 χ^2/NDF: 1.9/10

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 9.739+/-21.762 χ^2/NDF:20.2/20

Out: -1.837+/-20.225 χ^2/NDF:22.2/23

All: 3.528+/-14.815 χ^2/NDF: 42.6/44



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 81.421+/-0.028 χ^2/NDF:227219.9/5

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 80.530+/-0.028 χ^2/NDF:166161.0/4

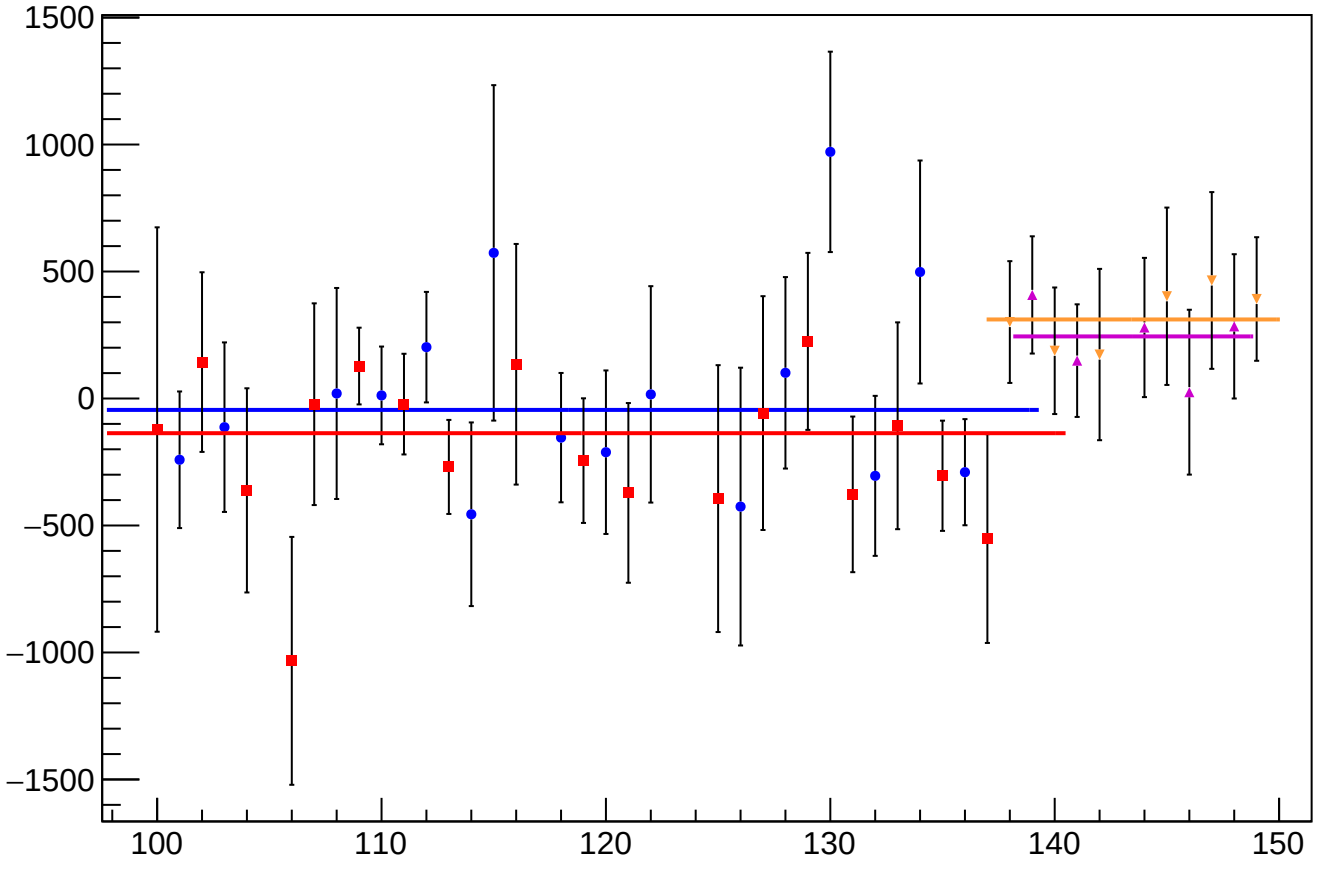
Left: 80.979+/-0.020 χ^2/NDF: 393898.0/10

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 70.948+/-0.015 χ^2/NDF:1284109.7/20

Out: 65.318+/-0.014 χ^2/NDF:2138485.3/23

All: 67.927+/-0.010 χ^2/NDF: 3494409.9/44



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 311.239+/-114.972 χ^2/NDF:0.8/5

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 244.472+/-116.010 χ^2/NDF:1.2/4

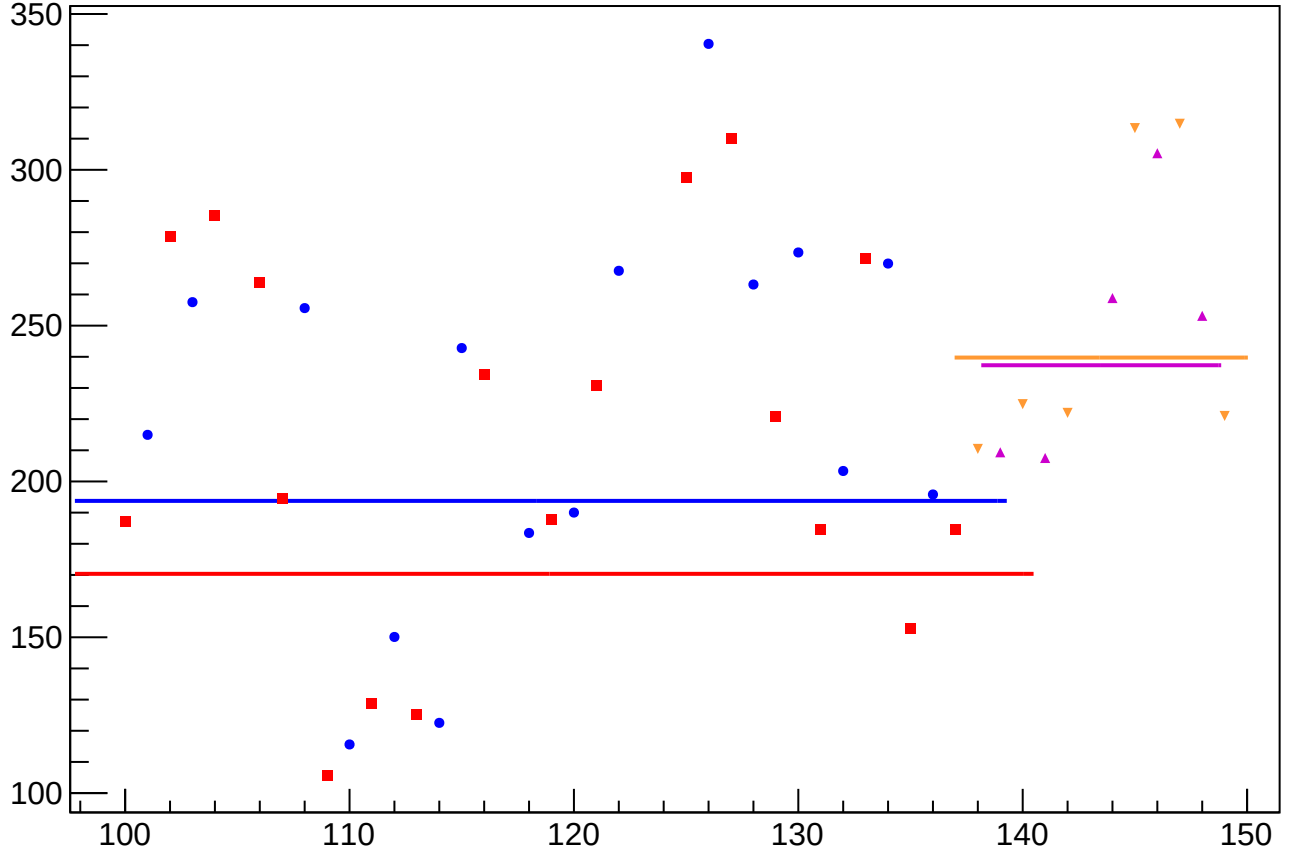
Left: 278.155+/-81.662 χ^2/NDF: 2.1/10

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 42.303+/-63.688 χ^2/NDF:21.0/20

Out: -19.710+/-58.734 χ^2/NDF:24.9/23

All: 8.791+/-43.177 χ^2/NDF: 46.4/44



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 239.756+/-0.081 χ^2/NDF:236394.2/5

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 237.291+/-0.082 χ^2/NDF:171788.9/4

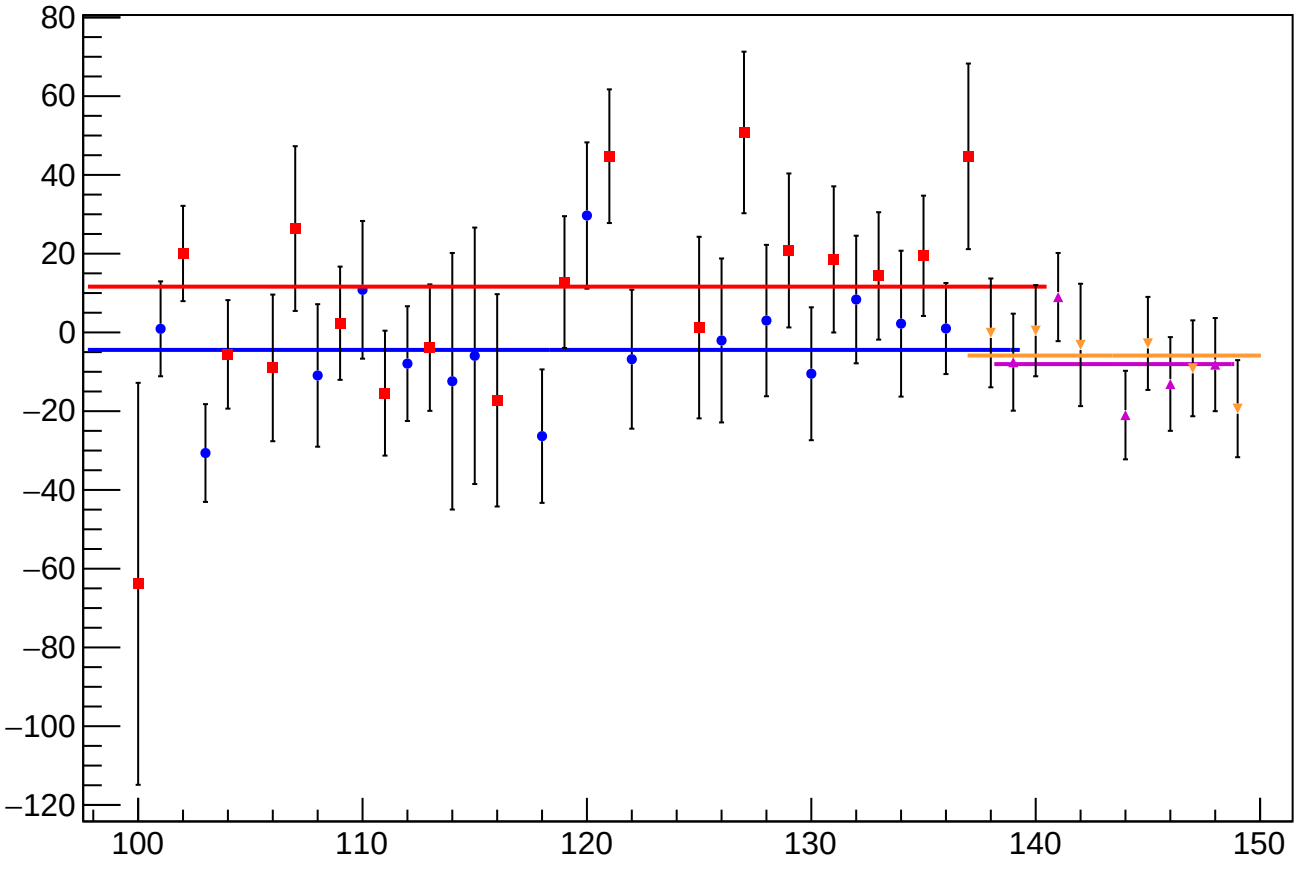
Left: 238.534+/-0.058 χ^2/NDF: 408638.7/10

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 206.885+/-0.045 χ^2/NDF:1416541.2/20

Out: 188.469+/-0.042 χ^2/NDF:2373938.2/23

All: 196.933+/-0.031 χ^2/NDF: 3880851.0/44



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -5.876+/-5.176 χ^2/NDF:1.8/5

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -8.046+/-5.221 χ^2/NDF:3.8/4

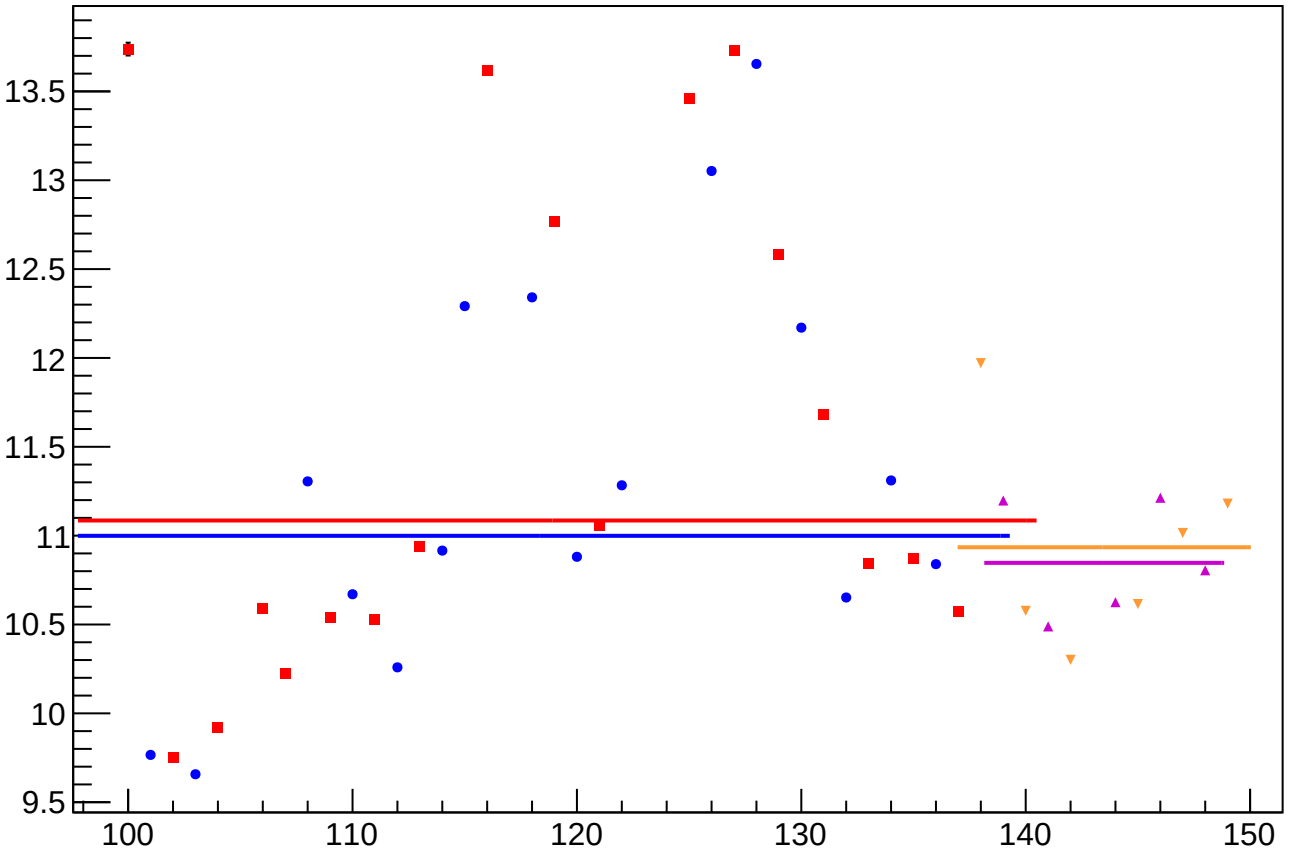
Left: -6.951+/-3.676 χ^2/NDF: 5.7/10

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -5.828+/-3.240 χ^2/NDF:16.1/20

Out: 4.805+/-3.231 χ^2/NDF:30.5/23

All: -0.498+/-2.288 χ^2/NDF: 51.9/44



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.935+/-0.004 χ^2/NDF:18817.8/5

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.847+/-0.004 χ^2/NDF:6357.7/4

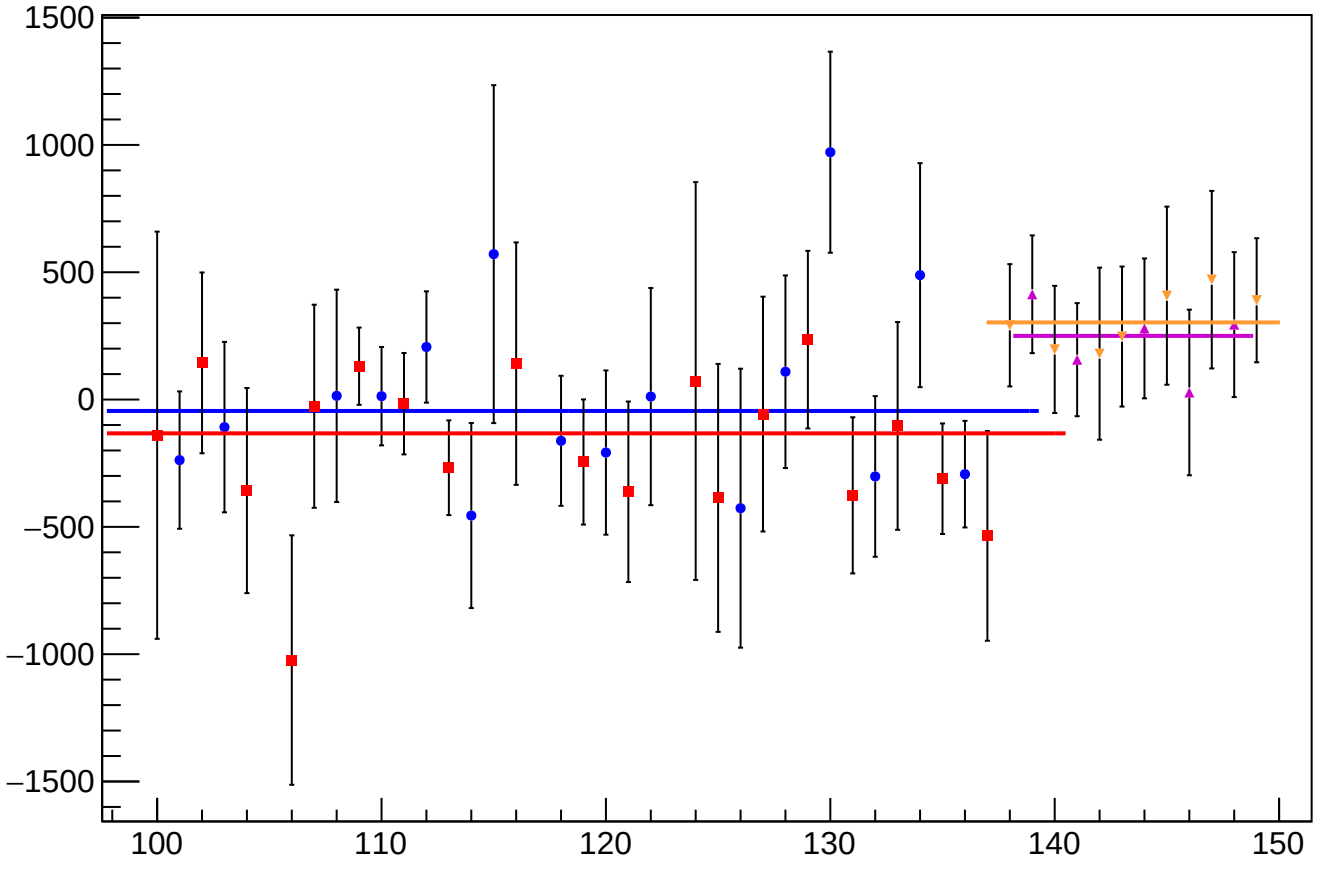
Left: 10.891+/-0.003 χ^2/NDF: 25460.8/10

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.940+/-0.002 χ^2/NDF:143561.7/20

Out: 11.027+/-0.002 χ^2/NDF:182055.6/23

All: 10.984+/-0.002 χ^2/NDF: 326326.1/44



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 302.935+/-106.226 χ^2/NDF:0.8/6

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 250.023+/-116.207 χ^2/NDF:1.2/4

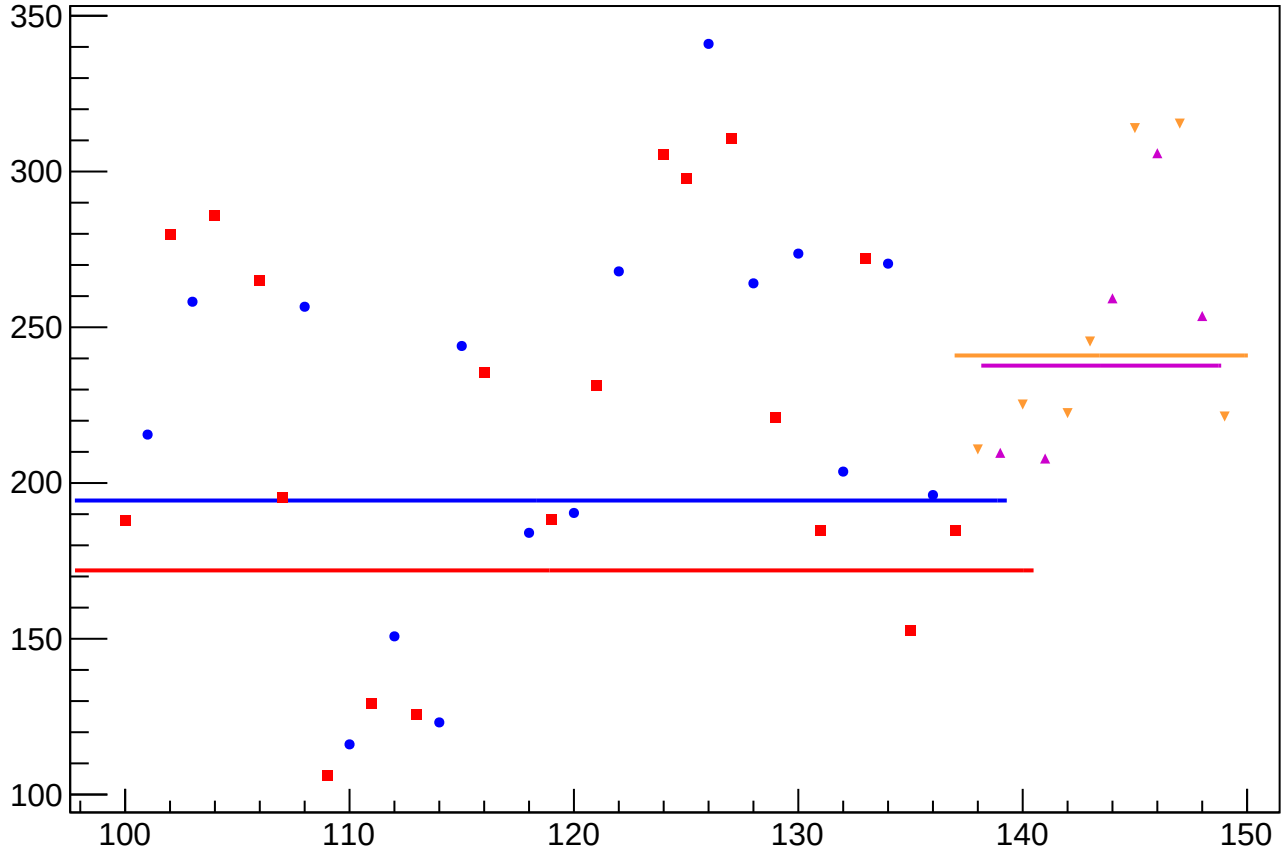
Left: 278.848+/-78.405 χ^2/NDF: 2.1/11

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 44.215+/-63.853 χ^2/NDF:21.1/20

Out: -5.382+/-57.431 χ^2/NDF:25.6/25

All: 16.798+/-42.700 χ^2/NDF: 47.0/46



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 240.946+/-0.075 χ^2/NDF:237241.1/6

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 237.689+/-0.082 χ^2/NDF:171983.2/4

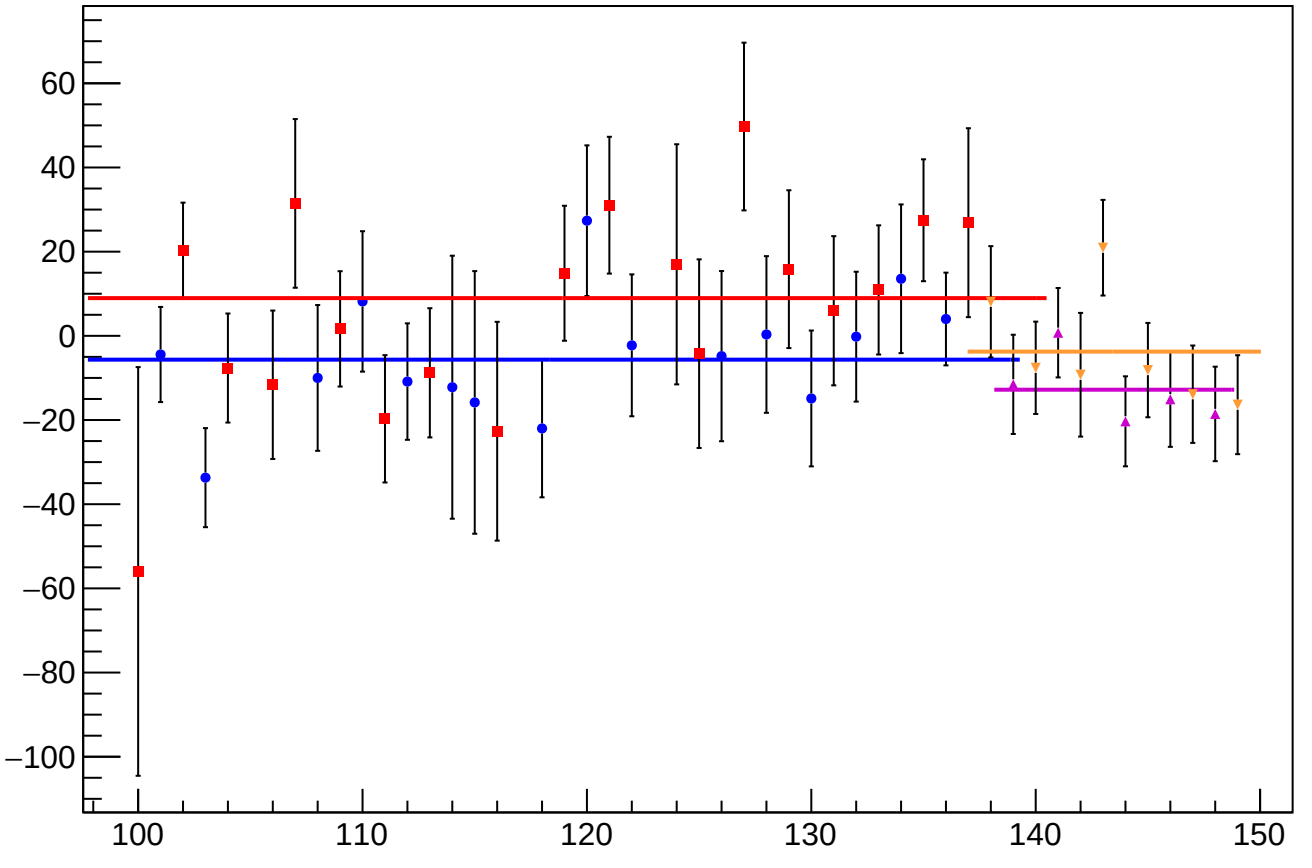
Left: 239.464+/-0.055 χ^2/NDF: 410080.1/11

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 207.460+/-0.045 χ^2/NDF:1407885.8/20

Out: 192.117+/-0.041 χ^2/NDF:2485729.0/25

All: 198.978+/-0.030 χ^2/NDF: 3957443.5/46



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.751+/-4.514 χ^2/NDF:7.9/6

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -12.798+/-4.966 χ^2/NDF:2.4/4

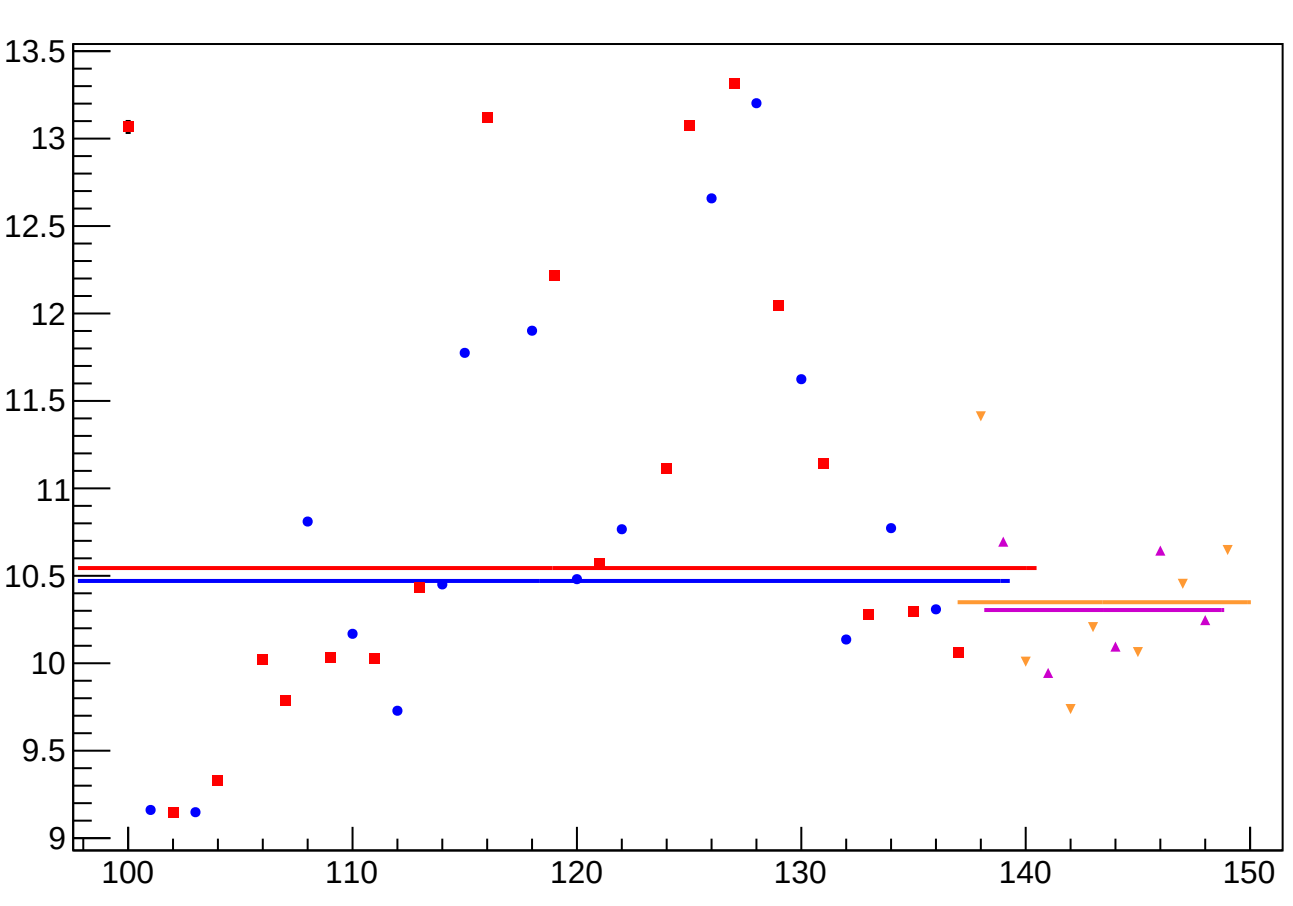
Left: -7.844+/-3.340 χ^2/NDF: 12.1/11

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.415+/-3.086 χ^2/NDF:17.4/20

Out: 3.525+/-2.951 χ^2/NDF:35.2/25

All: -2.179+/-2.133 χ^2/NDF: 60.4/46



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.349+/-0.003 χ^2/NDF:21377.8/6

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.304+/-0.004 χ^2/NDF:7113.4/4

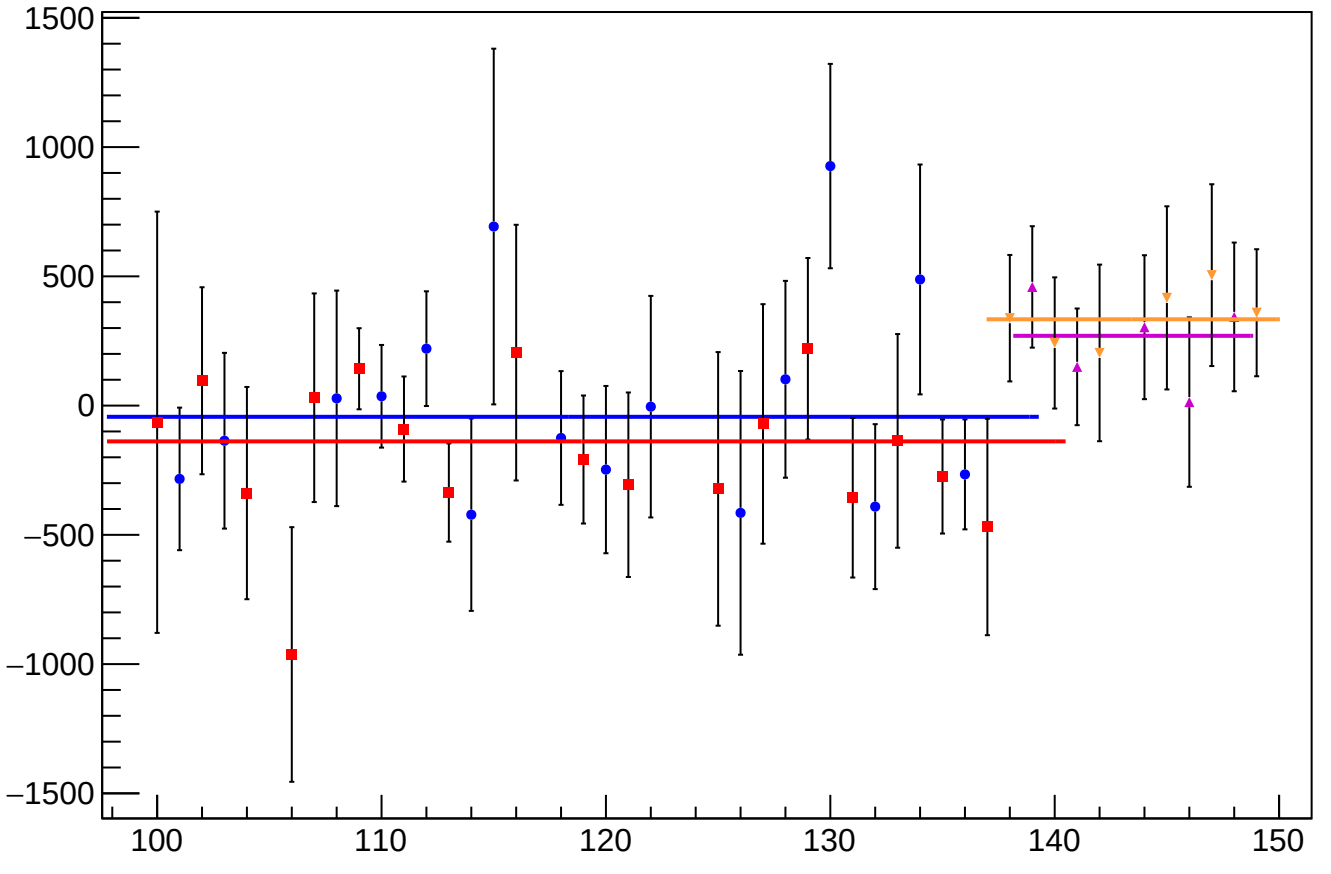
Left: 10.329+/-0.002 χ^2/NDF: 28579.9/11

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.406+/-0.002 χ^2/NDF:165855.6/20

Out: 10.461+/-0.002 χ^2/NDF:210303.0/25

All: 10.435+/-0.002 χ^2/NDF: 376483.9/46



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 333.823+/-116.692 χ^2/NDF:0.6/5

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 269.950+/-117.808 χ^2/NDF:1.6/4

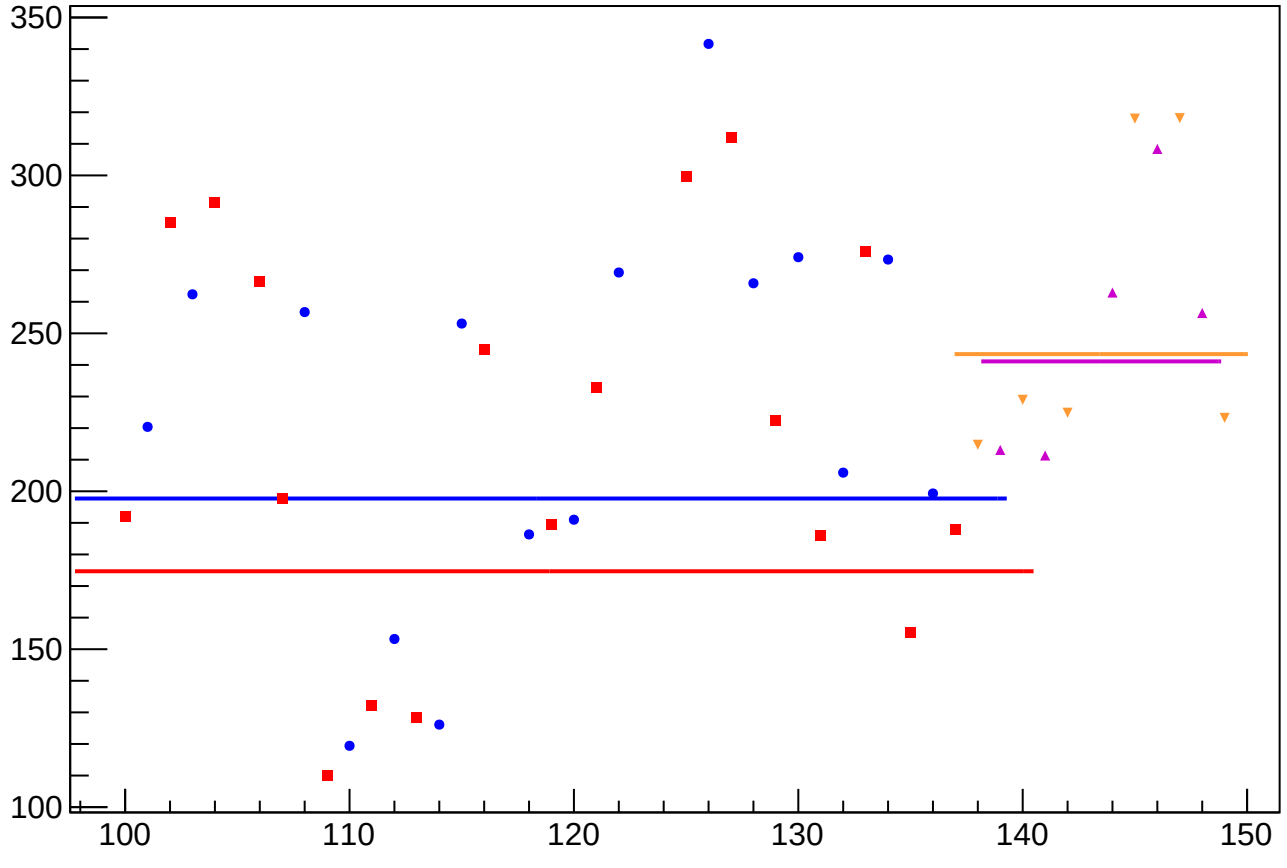
Left: 302.191+/-82.905 χ^2/NDF: 2.3/10

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 51.401+/-64.795 χ^2/NDF:22.0/20

Out: -13.918+/-59.923 χ^2/NDF:24.1/23

All: 16.194+/-43.993 χ^2/NDF: 46.7/44



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 243.427+/-0.083 χ^2/NDF:232285.9/5

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 241.118+/-0.083 χ^2/NDF:165552.2/4

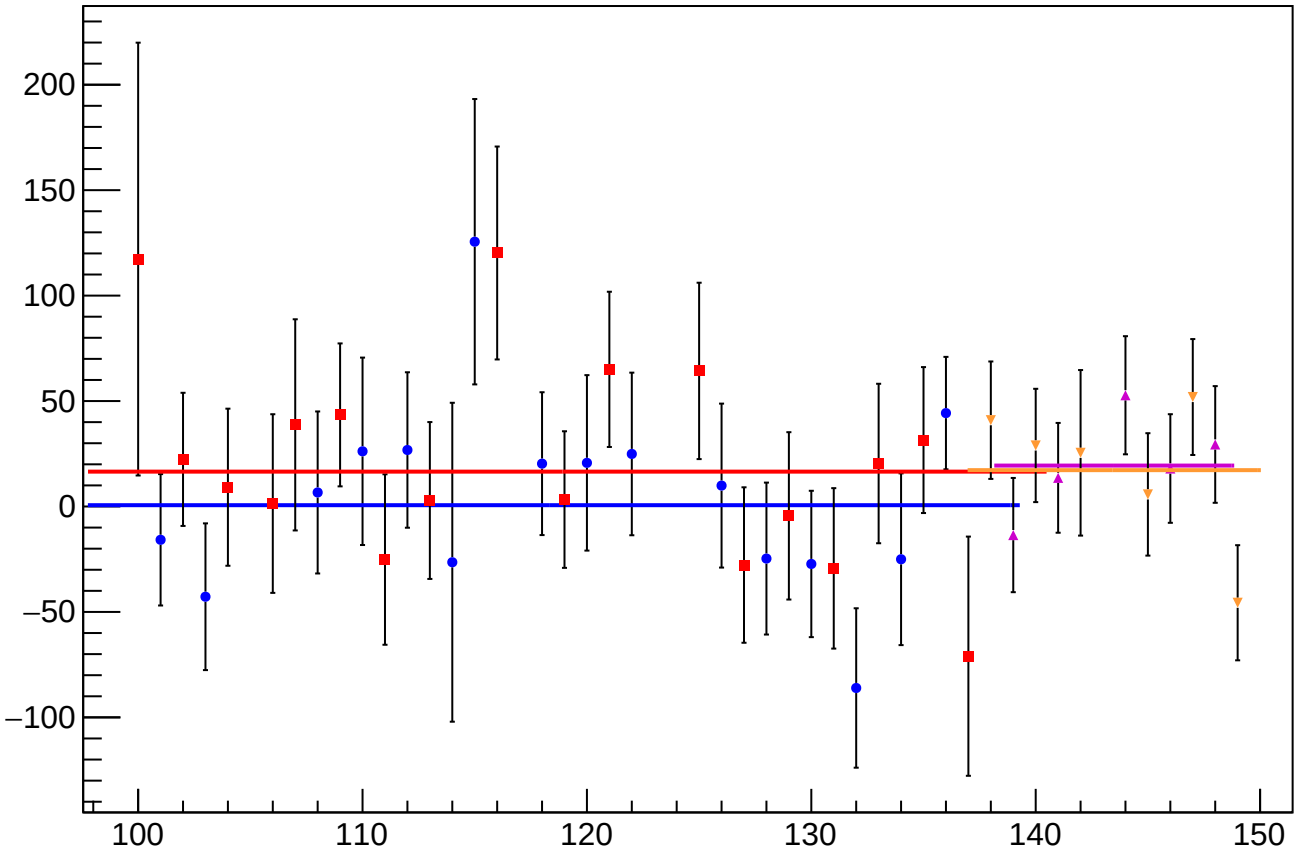
Left: 242.283+/-0.059 χ^2/NDF: 398226.0/10

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 210.839+/-0.046 χ^2/NDF:1355289.6/20

Out: 192.807+/-0.042 χ^2/NDF:2278165.9/23

All: 201.120+/-0.031 χ^2/NDF: 3716942.2/44



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 17.232+/-11.804 χ^2/NDF:8.0/5

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: 18.299+/-8.420 χ^2/NDF: 11.1/10

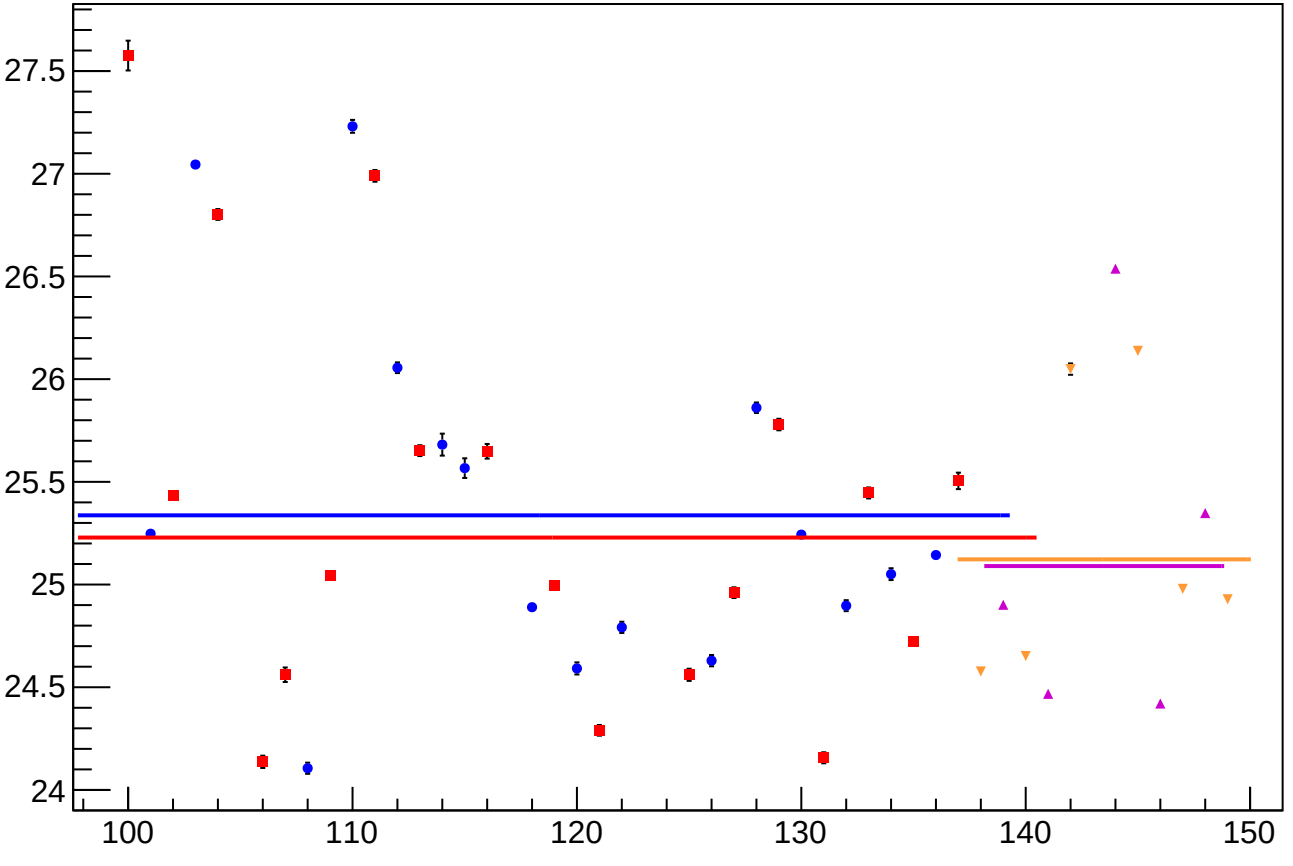
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 7.772+/-7.414 χ^2/NDF:21.3/20

Out: 16.802+/-7.308 χ^2/NDF:24.4/23

All: 12.351+/-5.205 χ^2/NDF: 46.5/44

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: 25.123+/-0.008 χ^2/NDF:5098.8/5

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.090+/-0.008 χ^2/NDF:8109.0/4

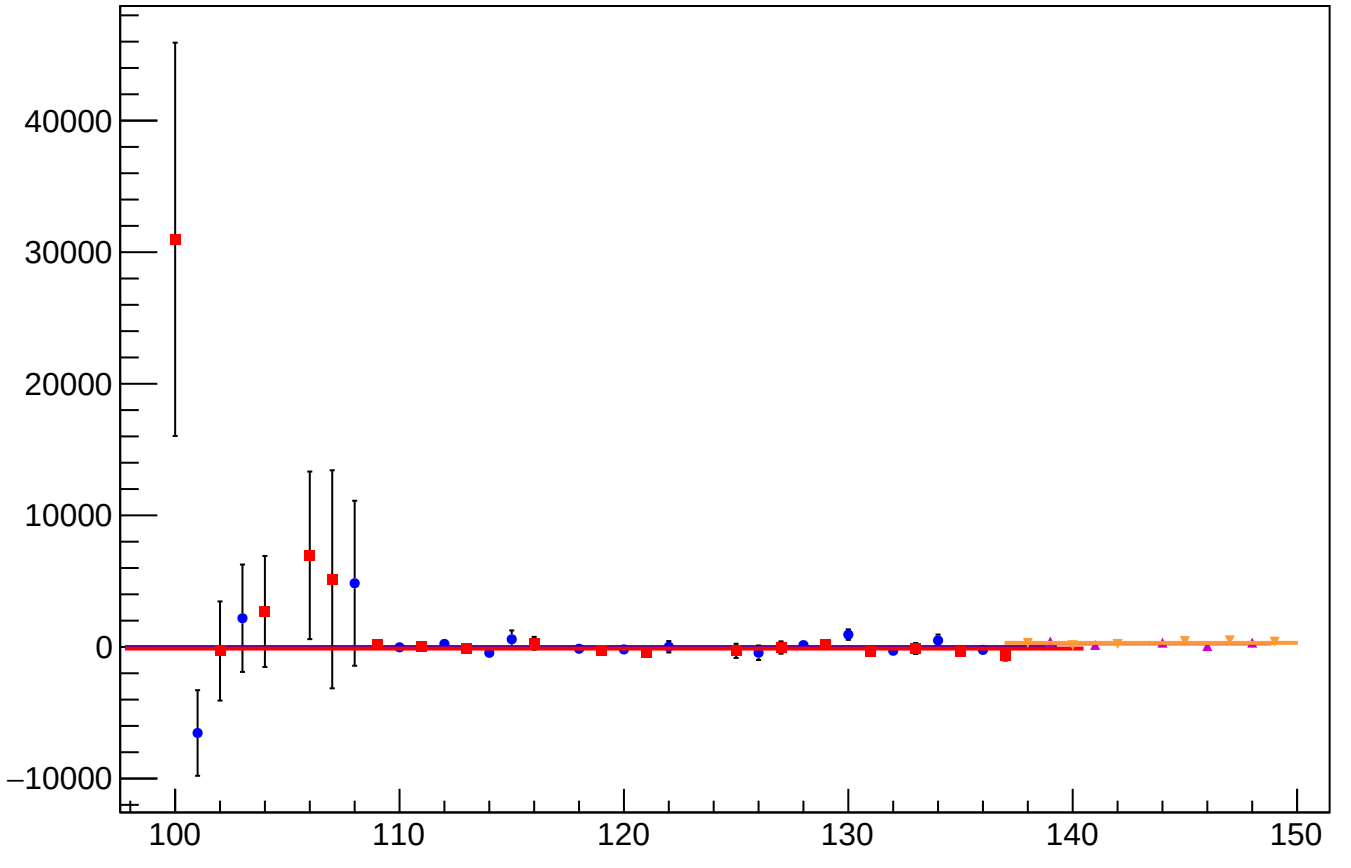
Left: 25.107+/-0.006 χ^2/NDF: 13215.3/10

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.243+/-0.005 χ^2/NDF:22947.6/20

Out: 25.188+/-0.005 χ^2/NDF:20374.6/23

All: 25.215+/-0.004 χ^2/NDF: 43377.7/44



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 309.924+/-117.326 χ^2/NDF:1.1/5

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: 291.395+/-83.124 χ^2/NDF: 2.2/10

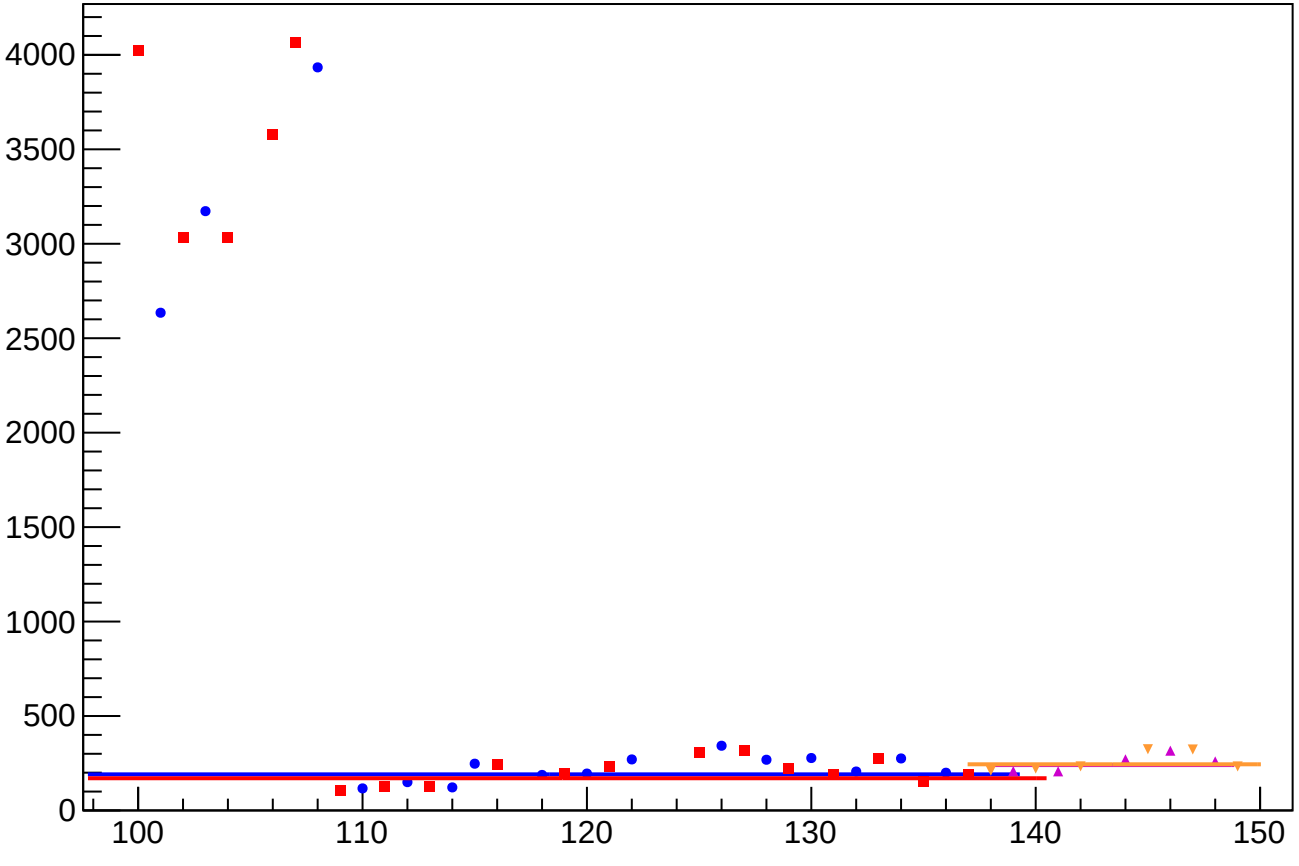
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 83.910+/-68.634 χ^2/NDF:23.3/20

Out: 12.365+/-65.098 χ^2/NDF:24.8/23

All: 46.247+/-47.232 χ^2/NDF: 48.7/44

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: 244.366+/-0.083 χ^2/NDF:257143.9/5

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 240.268+/-0.083 χ^2/NDF:217524.3/4

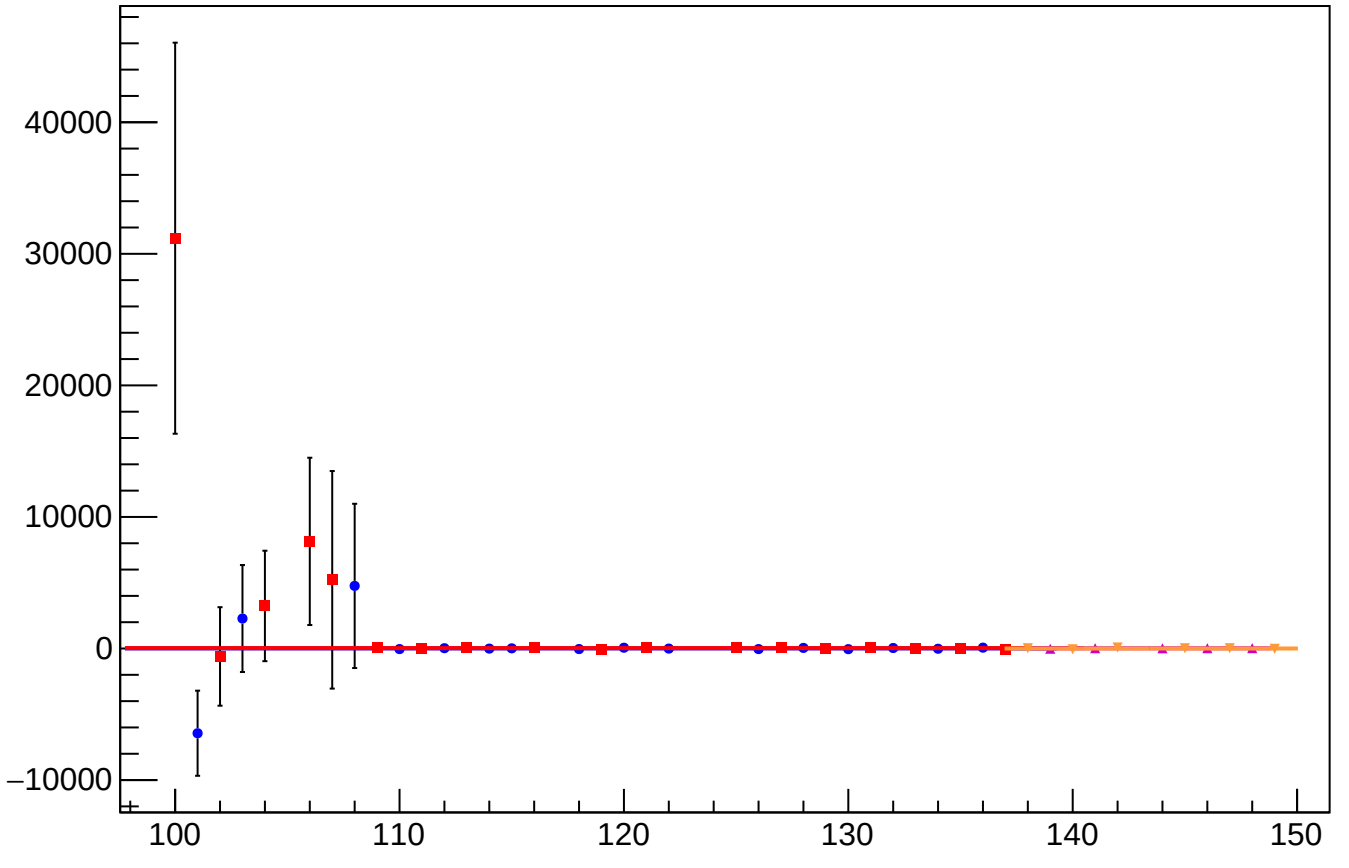
Left: 242.325+/-0.059 χ^2/NDF: 475883.7/10

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 207.775+/-0.049 χ^2/NDF:4281931.7/20

Out: 193.236+/-0.046 χ^2/NDF:5060754.7/23

All: 200.121+/-0.033 χ^2/NDF: 9389932.6/44



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 1.921+/-13.866 χ^2/NDF:8.2/5

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 16.107+/-13.950 χ^2/NDF:1.4/4

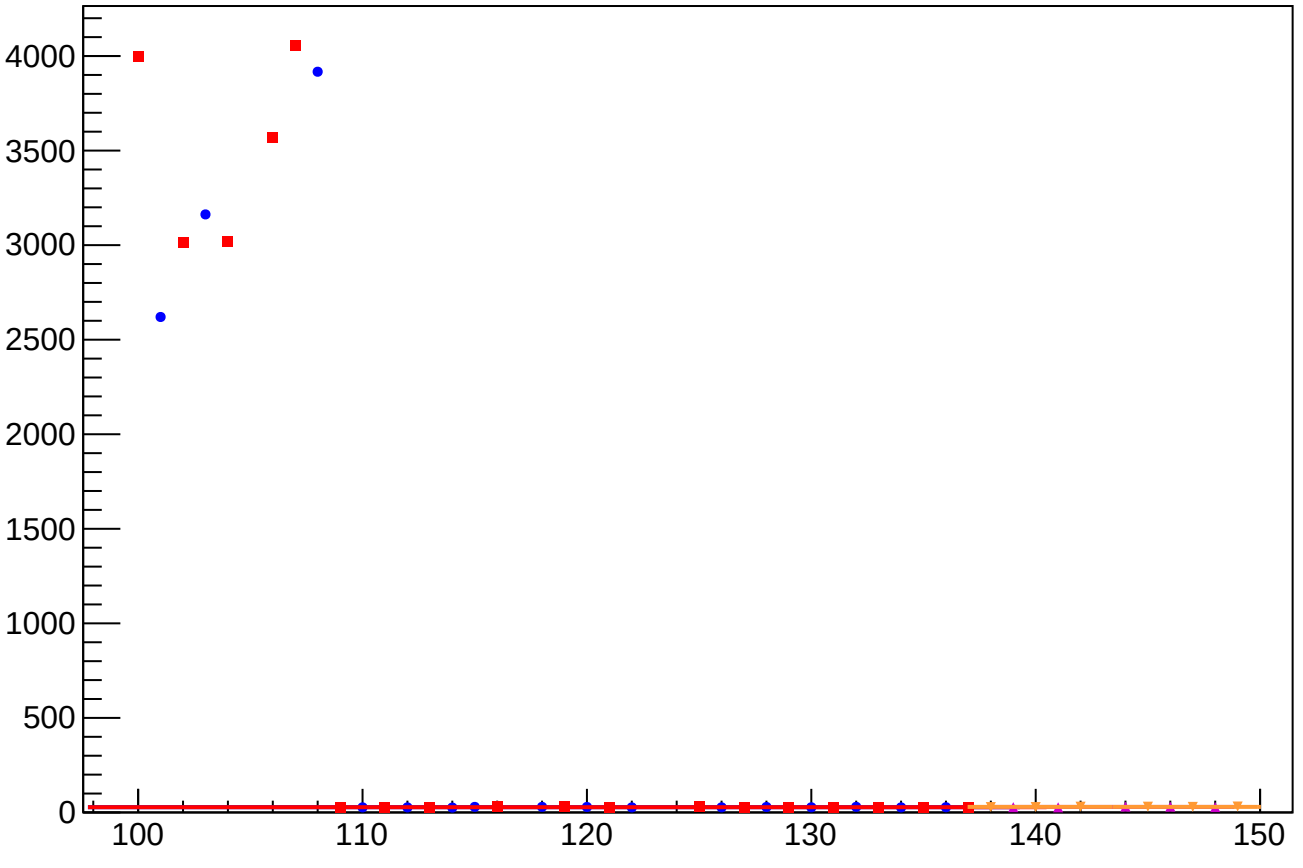
Left: 8.971+/-9.834 χ^2/NDF: 10.1/10

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 10.487+/-8.993 χ^2/NDF:20.0/20

Out: 18.300+/-9.110 χ^2/NDF:30.5/23

All: 14.343+/-6.400 χ^2/NDF: 50.9/44



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.434+/-0.010 χ^2/NDF:13051.0/5

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.080+/-0.010 χ^2/NDF:25719.1/4

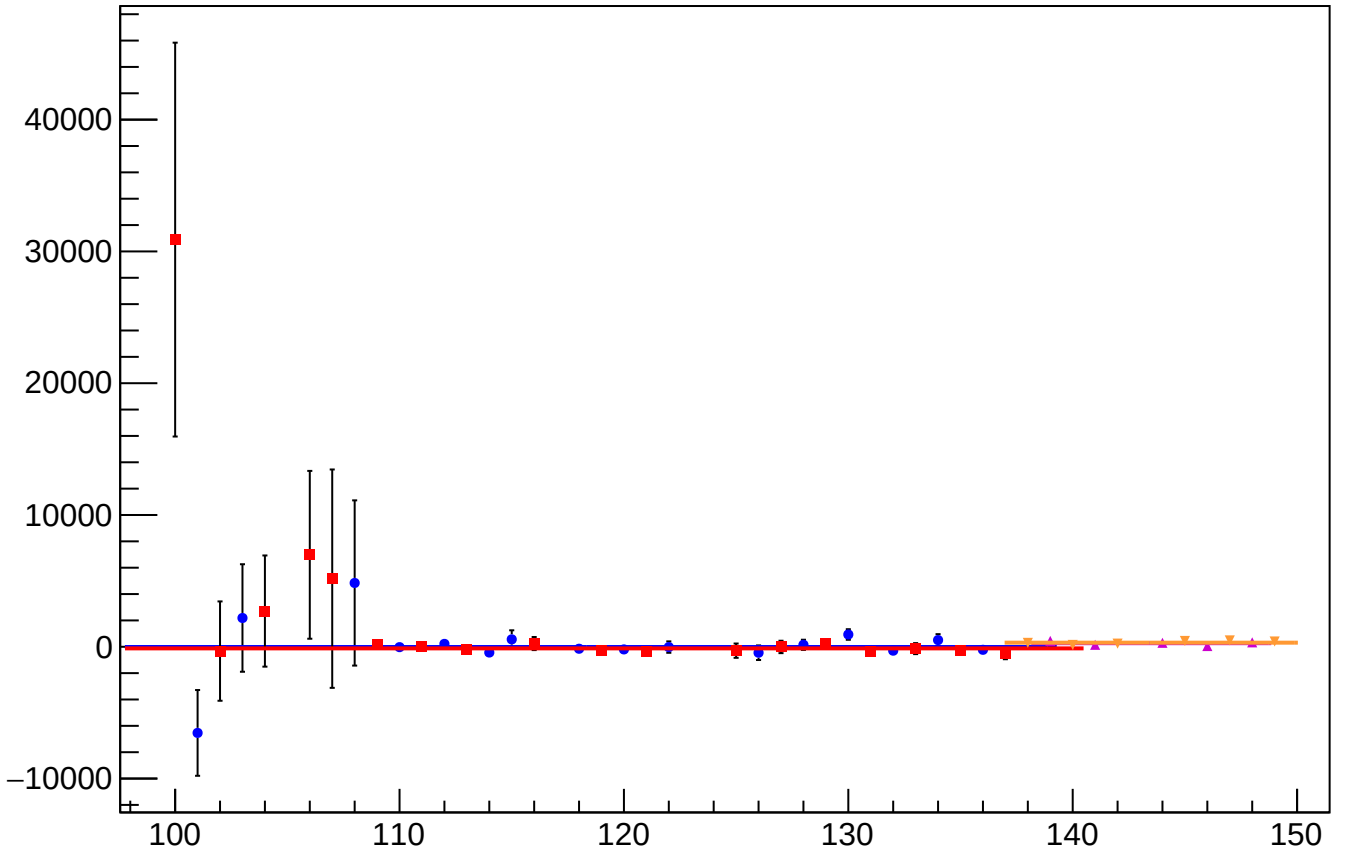
Left: 29.258+/-0.007 χ^2/NDF: 39418.1/10

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.346+/-0.006 χ^2/NDF:3301069.7/20

Out: 28.493+/-0.006 χ^2/NDF:3587650.5/23

All: 28.419+/-0.005 χ^2/NDF: 6888982.0/44



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 311.663+/-117.825 χ^2/NDF:1.0/5

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 272.689+/-118.366 χ^2/NDF:1.3/4

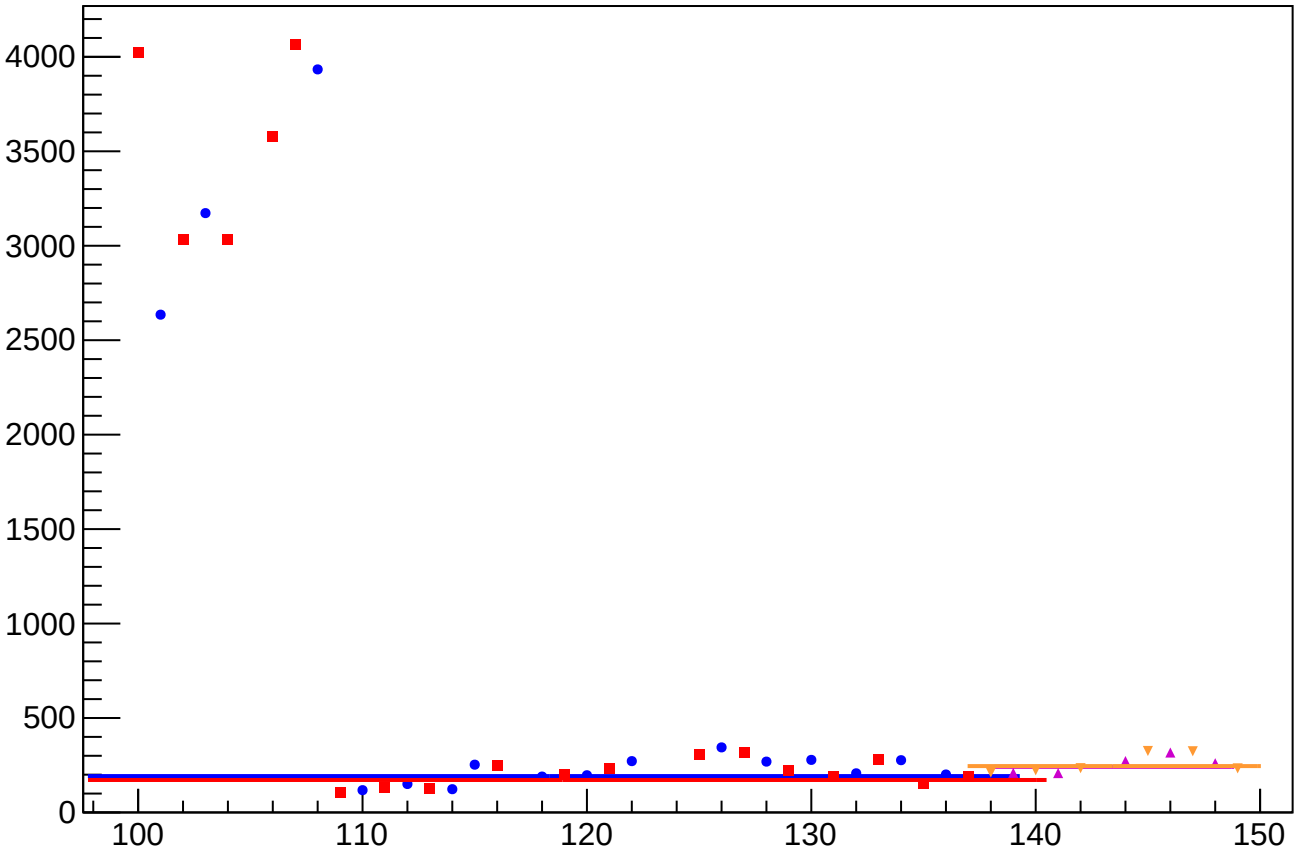
Left: 292.265+/-83.506 χ^2/NDF: 2.4/10

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 79.994+/-69.076 χ^2/NDF:23.5/20

Out: 12.440+/-65.527 χ^2/NDF:23.6/23

All: 44.437+/-47.540 χ^2/NDF: 47.6/44



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 245.421+/-0.083 χ^2/NDF:256251.9/5

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 241.506+/-0.084 χ^2/NDF:214621.4/4

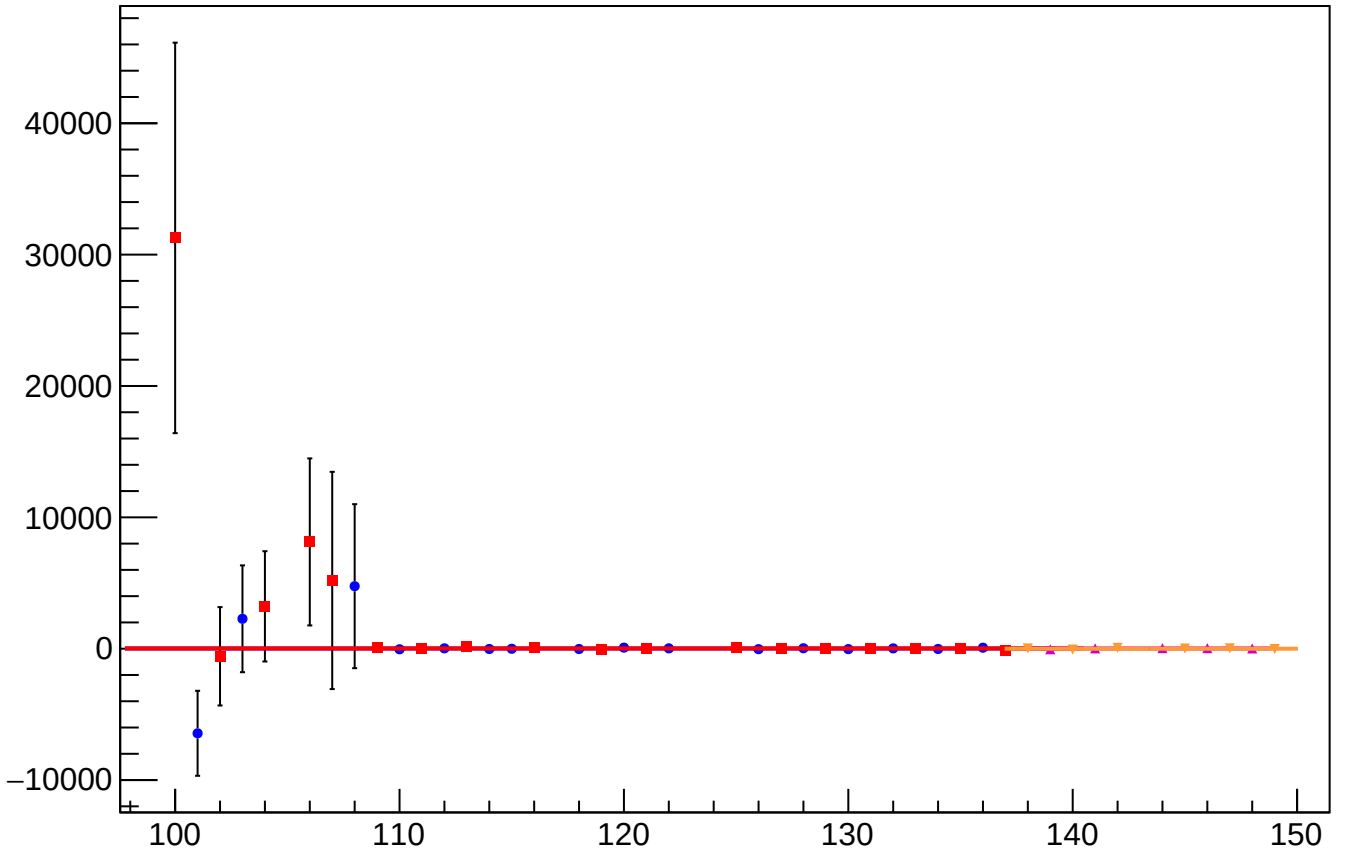
Left: 243.473+/-0.059 χ^2/NDF: 471972.3/10

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 209.229+/-0.049 χ^2/NDF:4262929.2/20

Out: 194.638+/-0.046 χ^2/NDF:5041940.8/23

All: 201.549+/-0.034 χ^2/NDF: 9351841.5/44



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.342+/-15.074 χ^2/NDF:7.3/5

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 18.669+/-15.161 χ^2/NDF:4.3/4

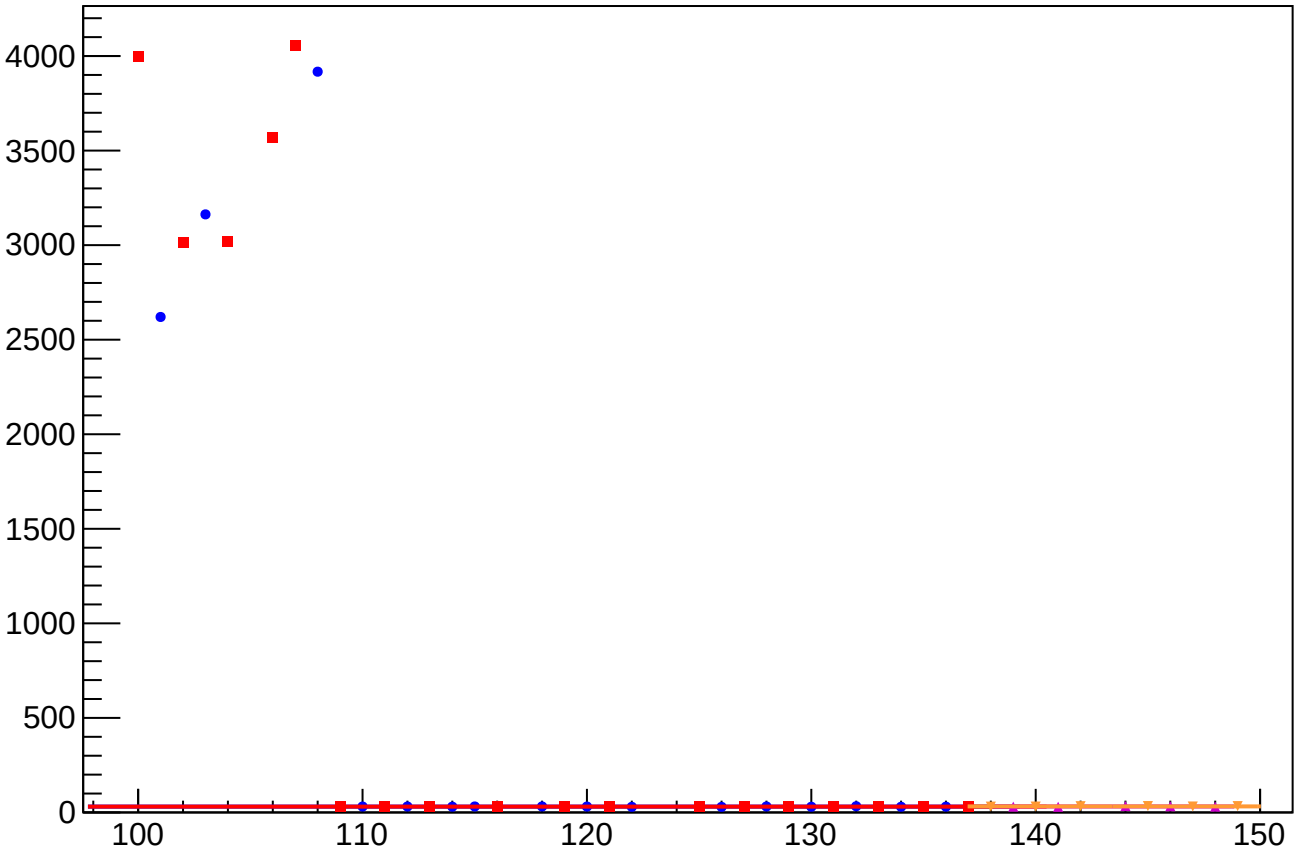
Left: 9.453+/-10.689 χ^2/NDF: 12.3/10

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 15.824+/-9.896 χ^2/NDF:19.8/20

Out: 12.401+/-10.008 χ^2/NDF:36.8/23

All: 14.132+/-7.037 χ^2/NDF: 56.7/44



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.017+/-0.011 χ^2/NDF:12633.1/5

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: 31.827+/-0.008 χ^2/NDF: 31811.7/10

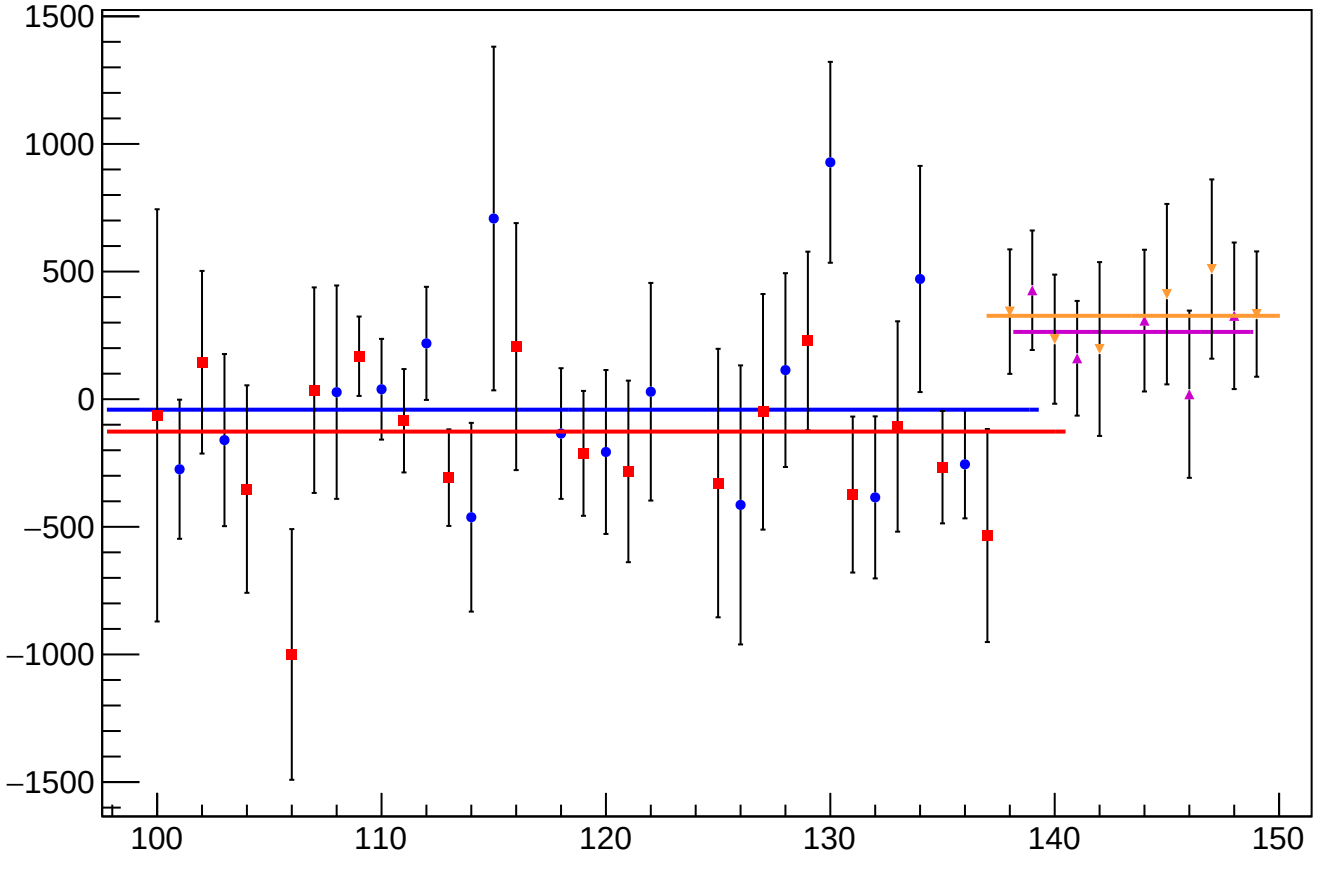
Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.229+/-0.007 χ^2/NDF:3273635.6/20

Out: 31.339+/-0.007 χ^2/NDF:3555833.0/23

All: 31.283+/-0.005 χ^2/NDF: 6829589.6/44

asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 326.698+/-116.425 χ^2/NDF:0.6/5

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 263.580+/-117.468 χ^2/NDF:1.3/4

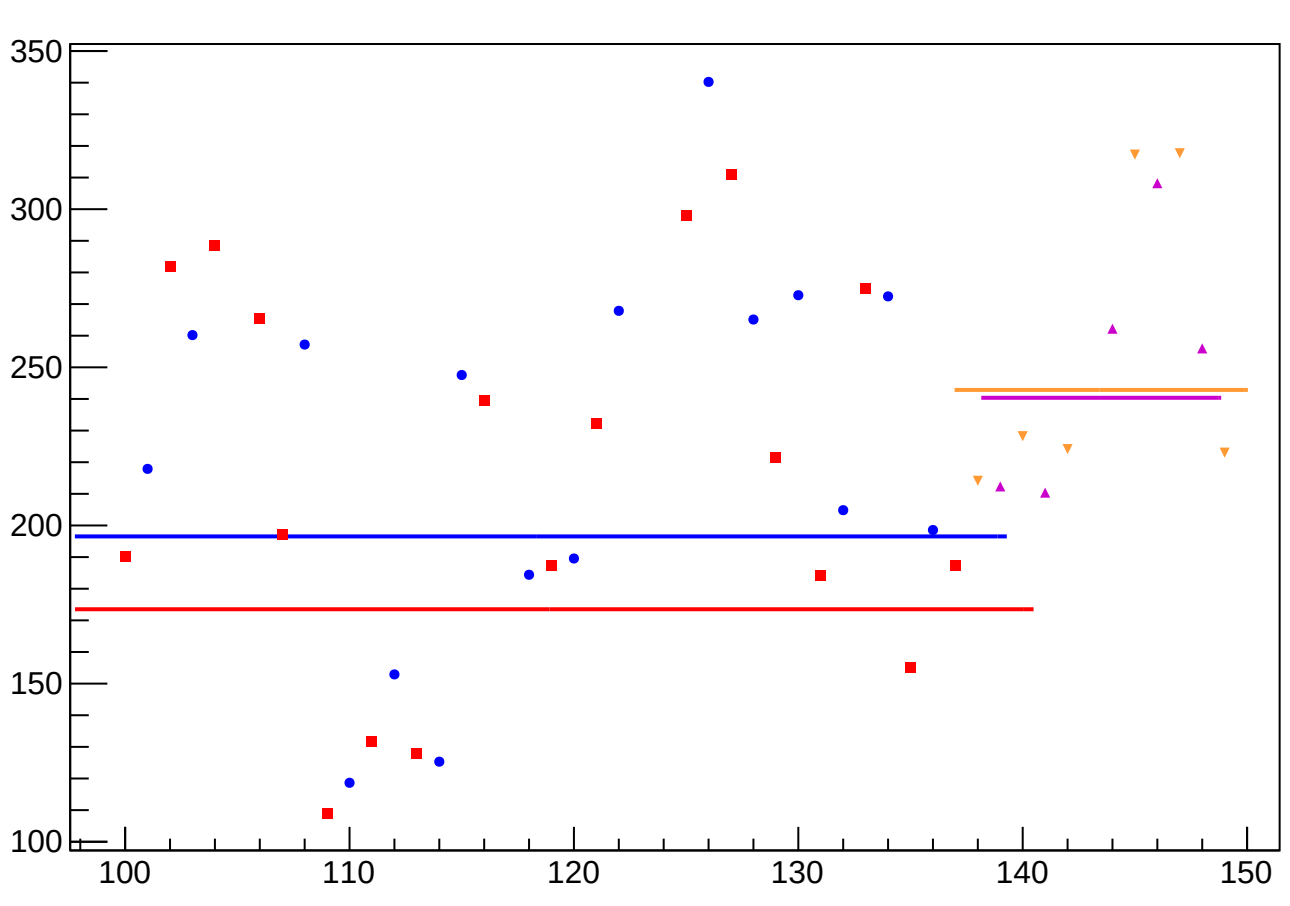
Left: 295.420+/-82.691 χ^2/NDF: 2.1/10

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 50.690+/-64.479 χ^2/NDF:21.6/20

Out: -8.021+/-59.601 χ^2/NDF:24.6/23

All: 19.030+/-43.768 χ^2/NDF: 46.7/44



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 242.858+/-0.082 χ^2/NDF:232930.5/5

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 240.371+/-0.083 χ^2/NDF:168343.8/4

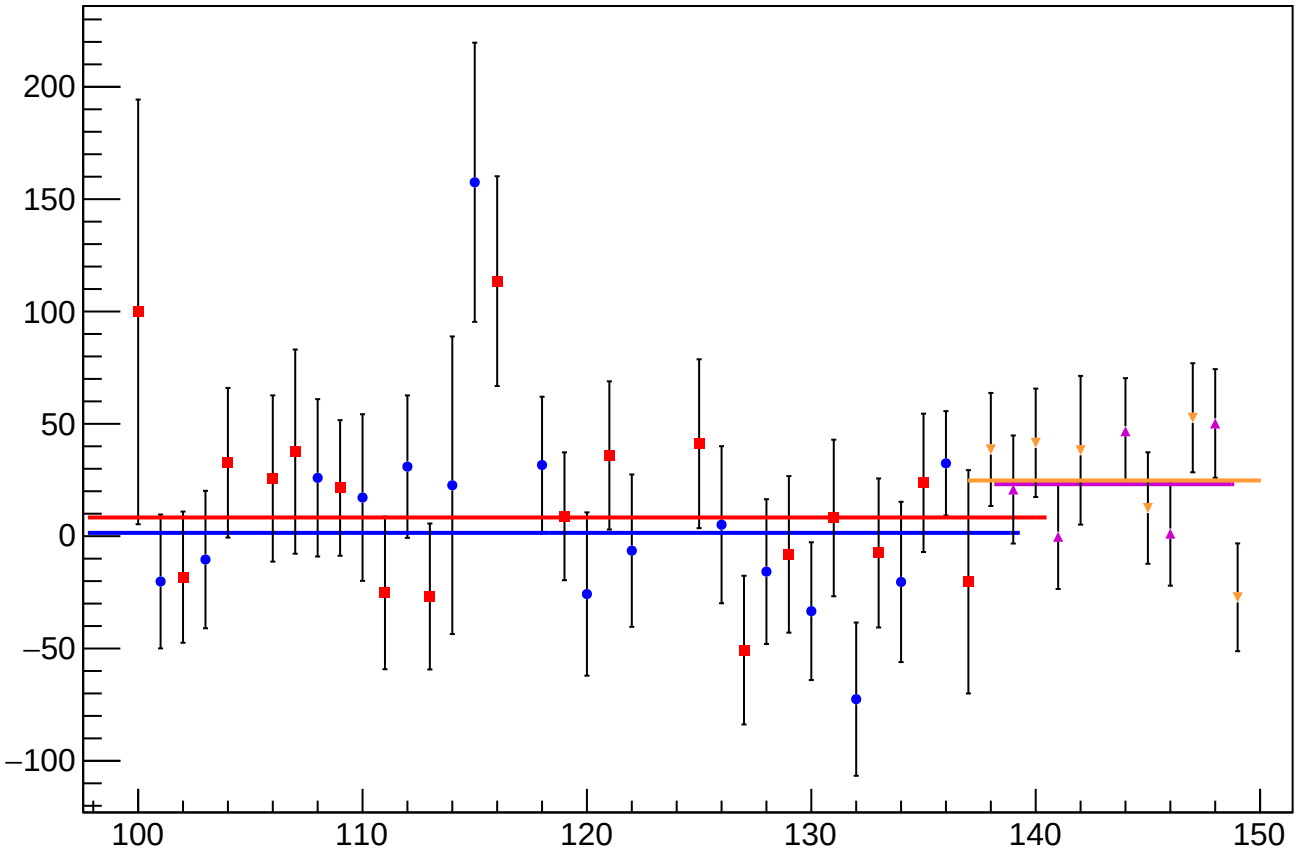
Left: 241.626+/-0.058 χ^2/NDF: 401726.8/10

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 209.748+/-0.046 χ^2/NDF:1363647.5/20

Out: 191.684+/-0.042 χ^2/NDF:2289292.8/23

All: 200.007+/-0.031 χ^2/NDF: 3737586.6/44



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.793+/-10.387 χ^2/NDF:7.2/5

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: 23.983+/-7.411 χ^2/NDF: 11.4/10

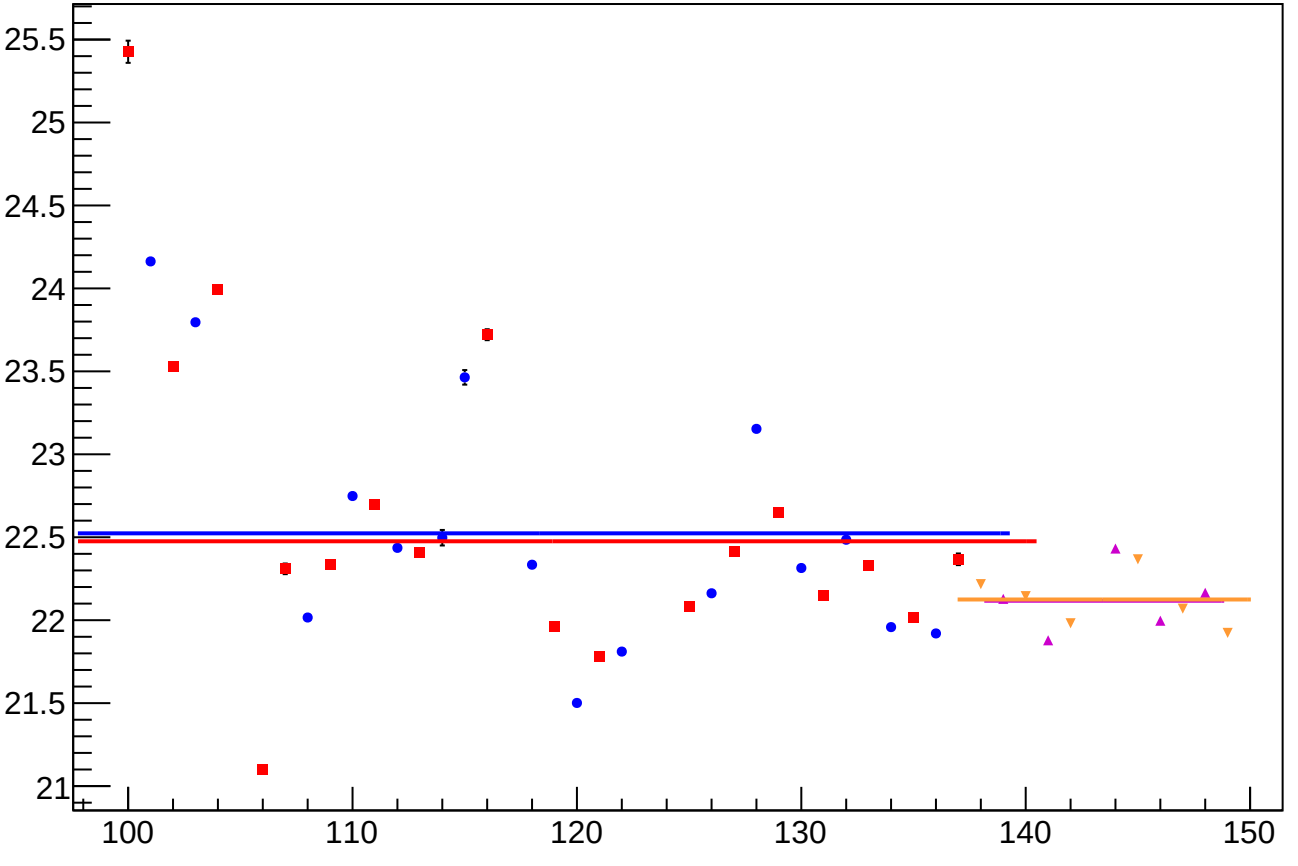
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 9.819+/-6.564 χ^2/NDF:25.4/20

Out: 14.731+/-6.477 χ^2/NDF:24.8/23

All: 12.308+/-4.610 χ^2/NDF: 50.5/44

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: 22.125+/-0.007 χ^2/NDF:407.5/5

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.117+/-0.007 χ^2/NDF:626.4/4

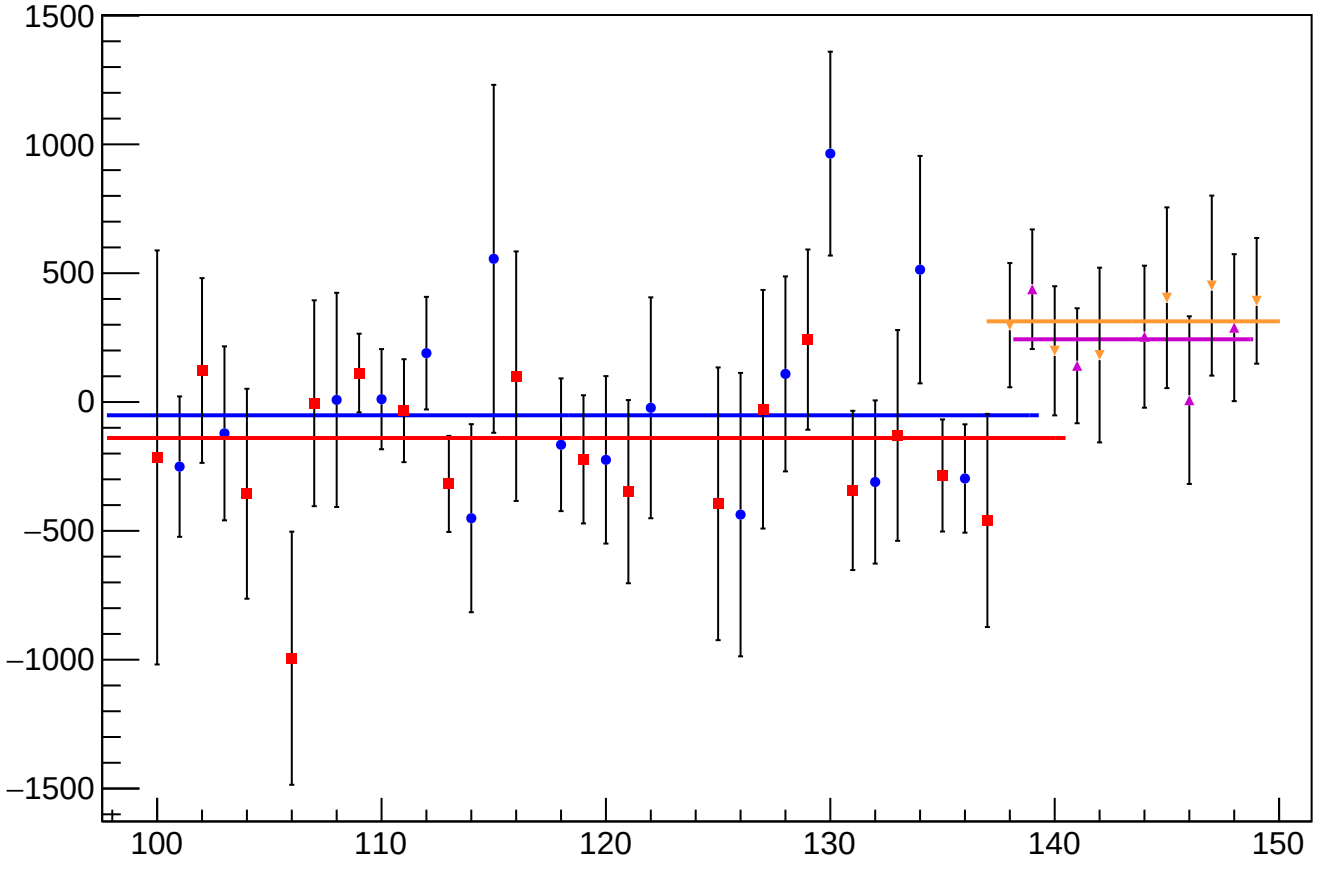
Left: 22.121+/-0.005 χ^2/NDF: 1034.4/10

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.367+/-0.005 χ^2/NDF:18389.0/20

Out: 22.339+/-0.005 χ^2/NDF:17338.9/23

All: 22.353+/-0.003 χ^2/NDF: 35746.2/44



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 313.183+/-115.486 χ^2/NDF:0.7/5

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 243.494+/-116.604 χ^2/NDF:1.5/4

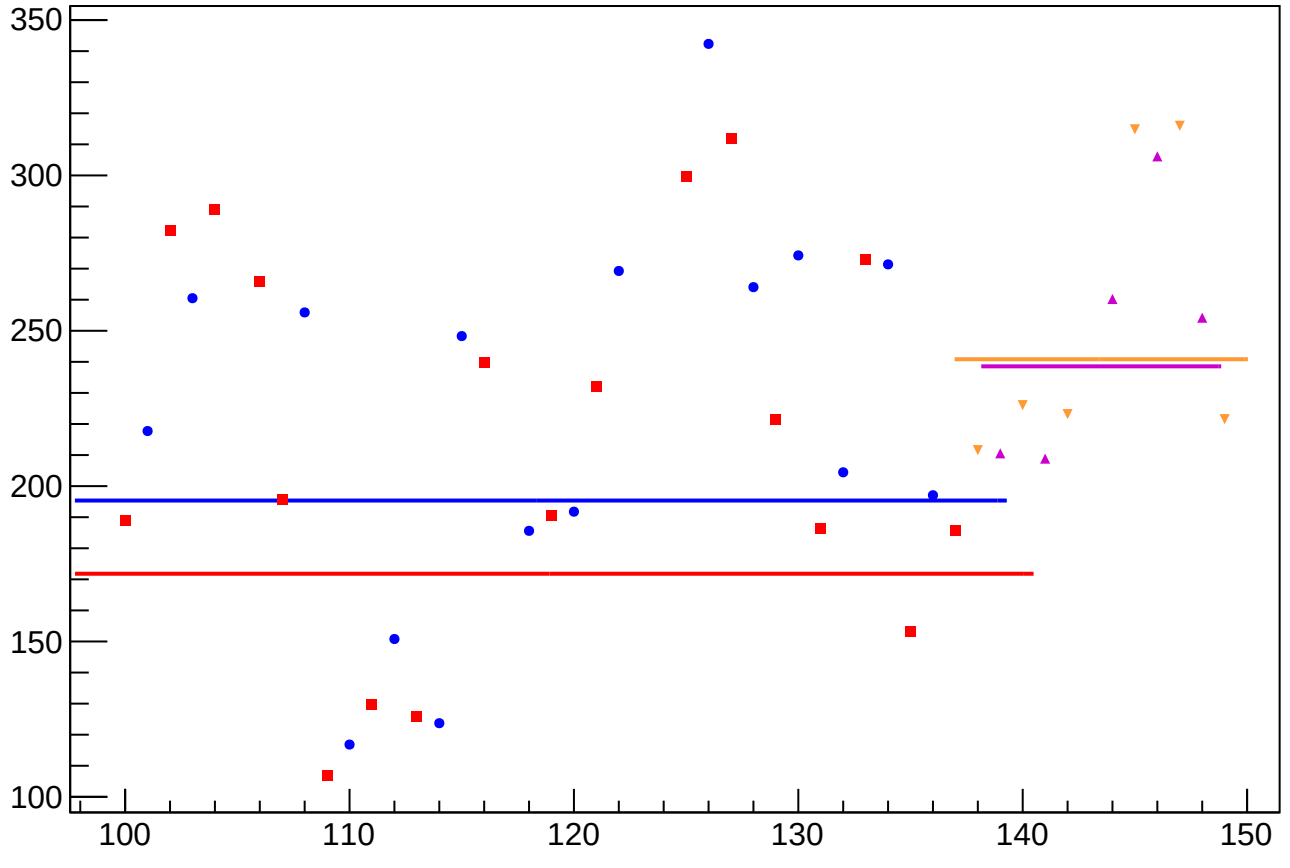
Left: 278.674+/-82.054 χ^2/NDF: 2.3/10

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 37.754+/-64.137 χ^2/NDF:21.3/20

Out: -20.732+/-59.162 χ^2/NDF:23.6/23

All: 6.155+/-43.486 χ^2/NDF: 45.3/44



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 240.837+/-0.082 χ^2/NDF:235917.0/5

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 238.555+/-0.082 χ^2/NDF:169208.8/4

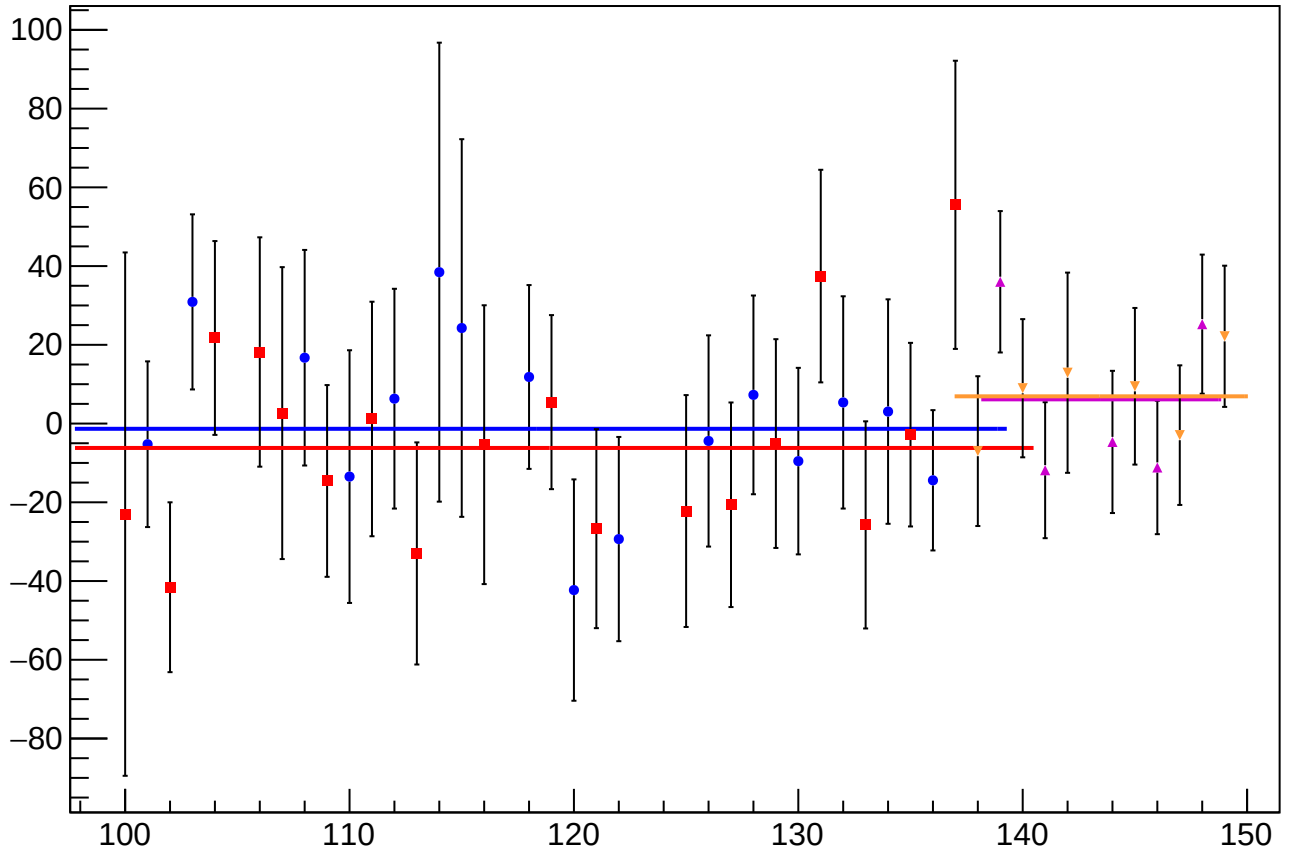
Left: 239.707+/-0.058 χ^2/NDF: 405512.5/10

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 208.429+/-0.045 χ^2/NDF:1402056.3/20

Out: 189.922+/-0.042 χ^2/NDF:2363657.1/23

All: 198.430+/-0.031 χ^2/NDF: 3855689.3/44



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 6.917+/-7.815 χ^2/NDF:1.7/5

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: 6.536+/-5.540 χ^2/NDF: 8.1/10

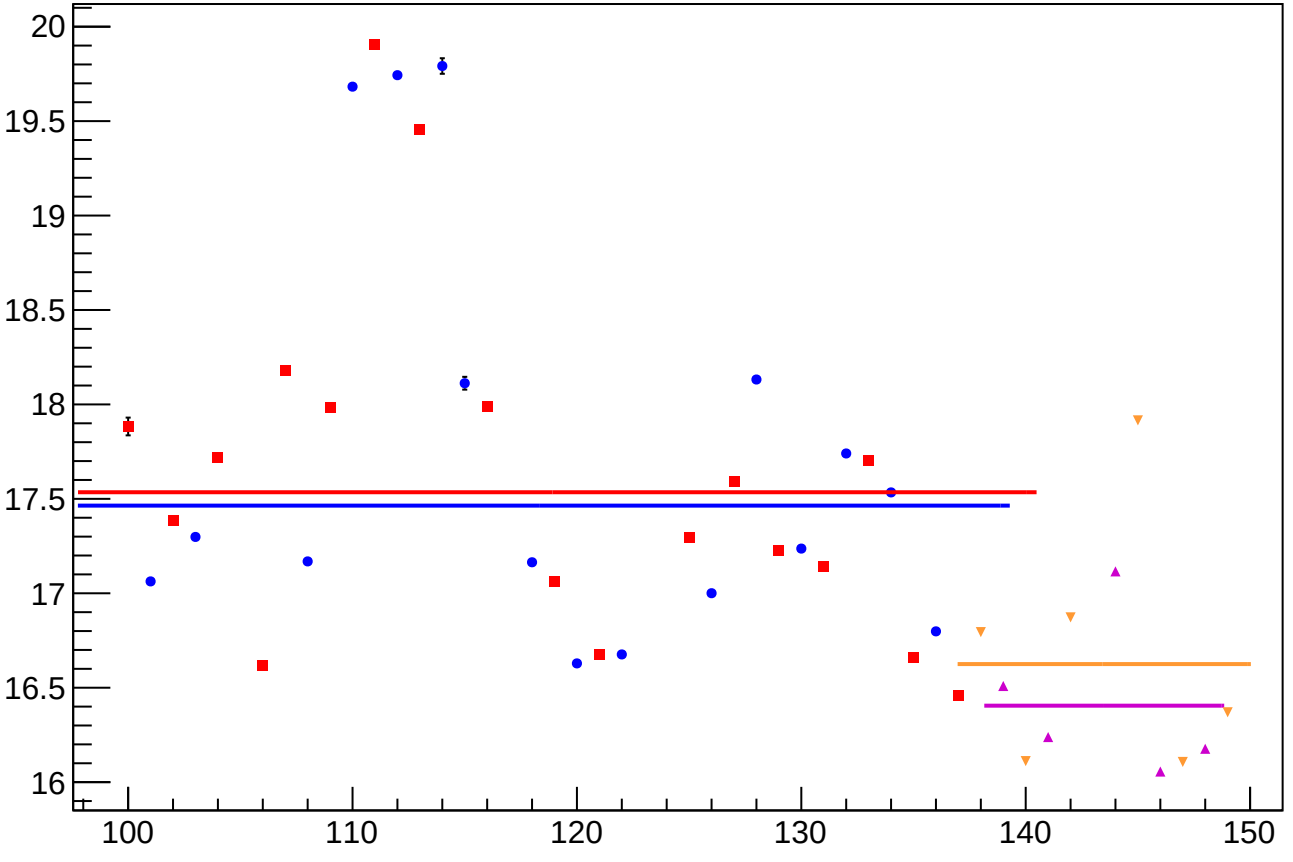
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.709+/-5.007 χ^2/NDF:15.0/20

Out: -0.860+/-4.985 χ^2/NDF:16.8/23

All: 0.419+/-3.533 χ^2/NDF: 31.9/44

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: 16.625+/-0.006 χ^2/NDF:12587.8/5

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.405+/-0.006 χ^2/NDF:4533.6/4

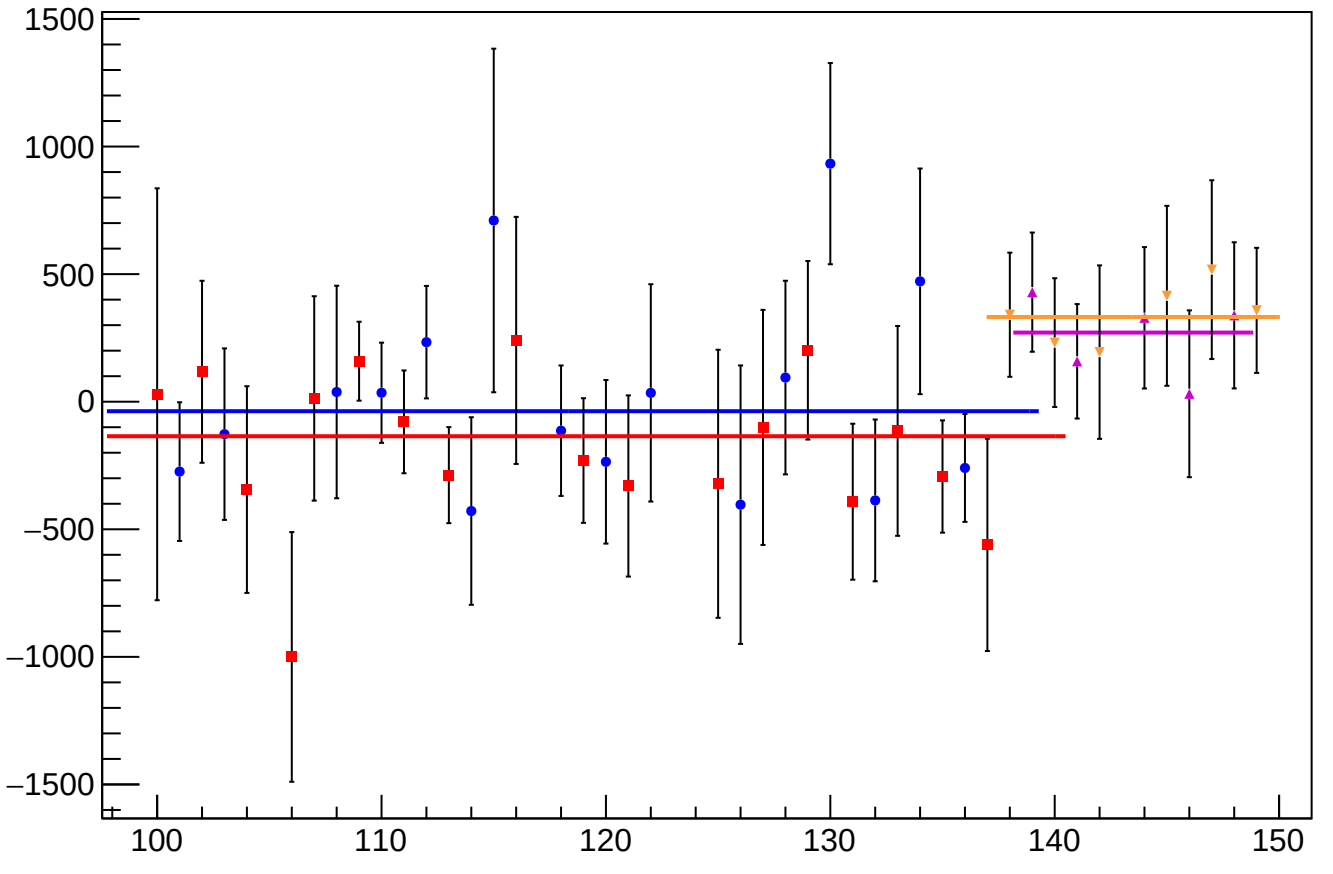
Left: 16.516+/-0.004 χ^2/NDF: 17911.4/10

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.034+/-0.004 χ^2/NDF:62774.6/20

Out: 17.165+/-0.004 χ^2/NDF:63141.2/23

All: 17.100+/-0.002 χ^2/NDF: 126604.0/44



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 331.907+/-116.172 χ^2/NDF:0.7/5

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 270.929+/-117.209 χ^2/NDF:1.3/4

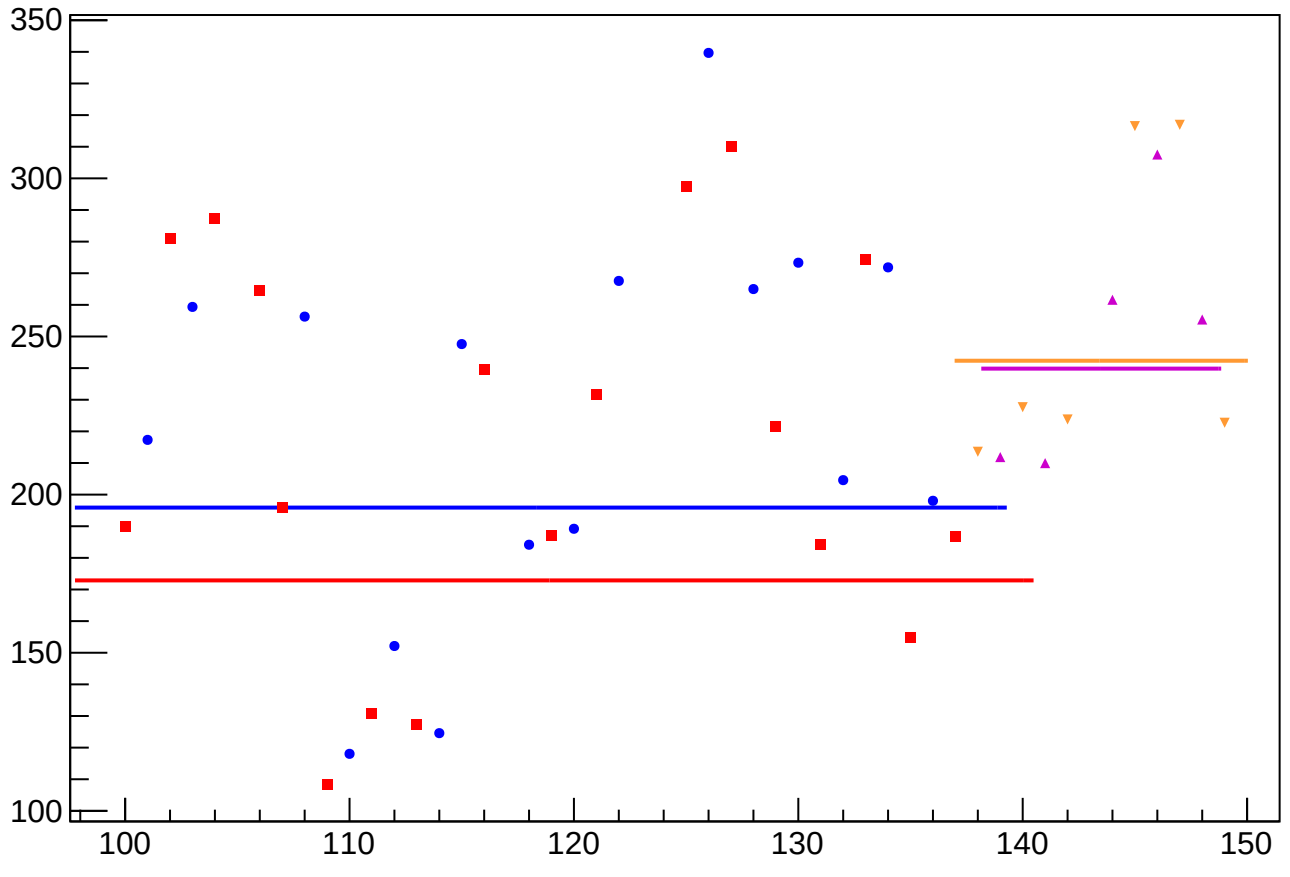
Left: 301.689+/-82.510 χ^2/NDF: 2.2/10

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 55.520+/-64.305 χ^2/NDF:21.8/20

Out: -13.037+/-59.425 χ^2/NDF:25.4/23

All: 18.541+/-43.643 χ^2/NDF: 47.9/44



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 242.334+/-0.082 χ^2/NDF:232732.7/5

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 239.839+/-0.083 χ^2/NDF:168220.0/4

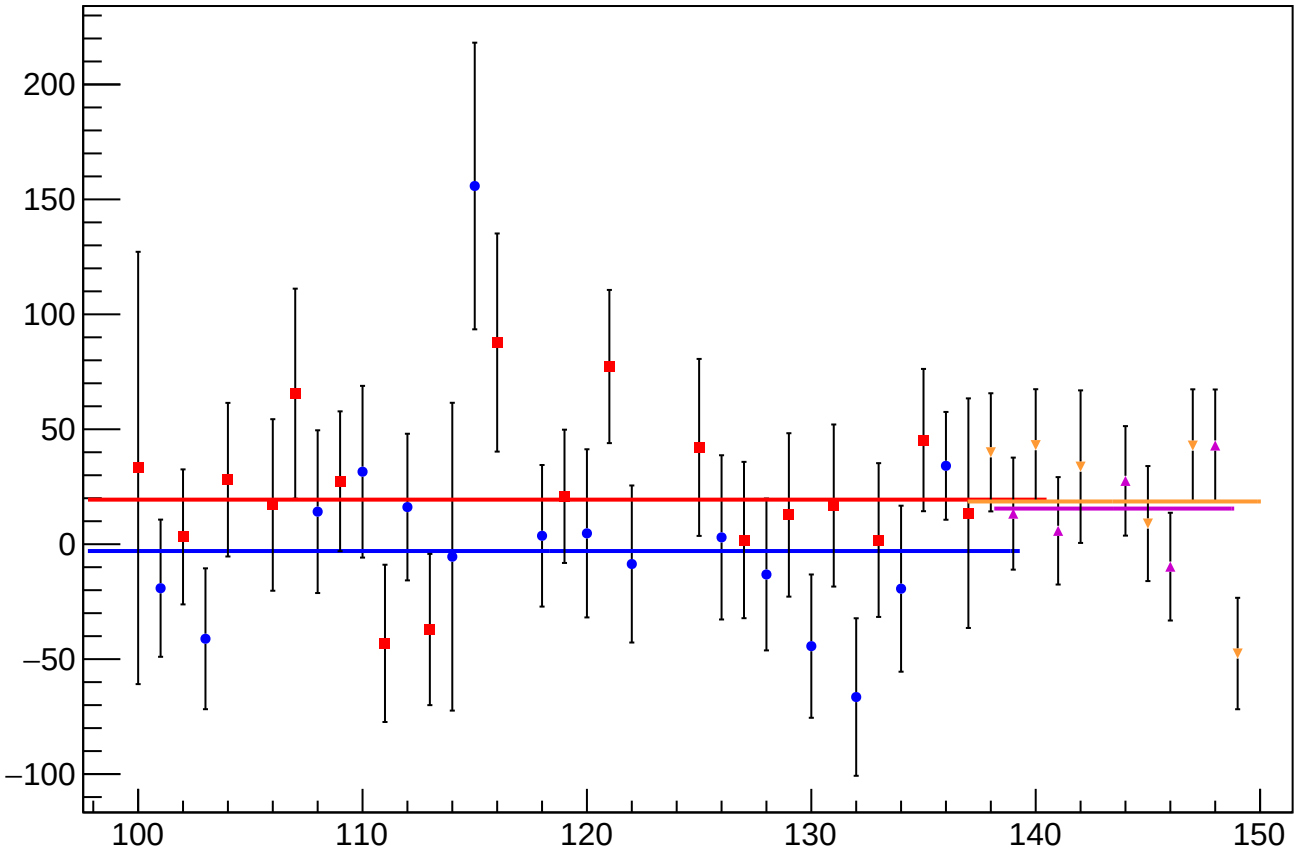
Left: 241.098+/-0.058 χ^2/NDF: 401409.7/10

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 209.126+/-0.045 χ^2/NDF:1375704.5/20

Out: 191.048+/-0.042 χ^2/NDF:2303908.9/23

All: 199.375+/-0.031 χ^2/NDF: 3764871.5/44



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 18.587+/-10.497 χ^2/NDF:10.5/5

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: 17.068+/-7.483 χ^2/NDF: 13.4/10

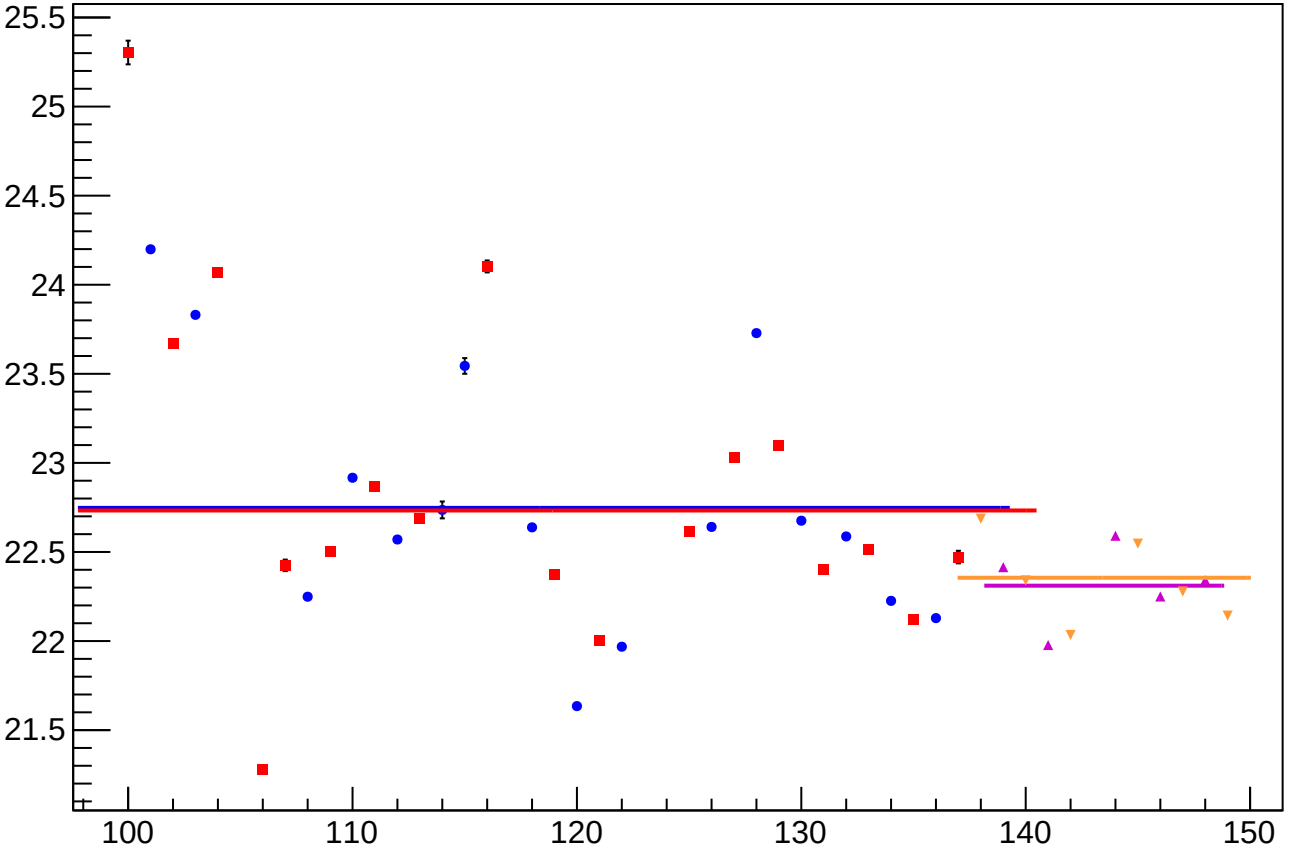
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.154+/-6.626 χ^2/NDF:22.6/20

Out: 19.075+/-6.550 χ^2/NDF:25.0/23

All: 11.702+/-4.658 χ^2/NDF: 50.2/44

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: 22.355+/-0.007 χ^2/NDF:810.8/5

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.311+/-0.008 χ^2/NDF:736.4/4

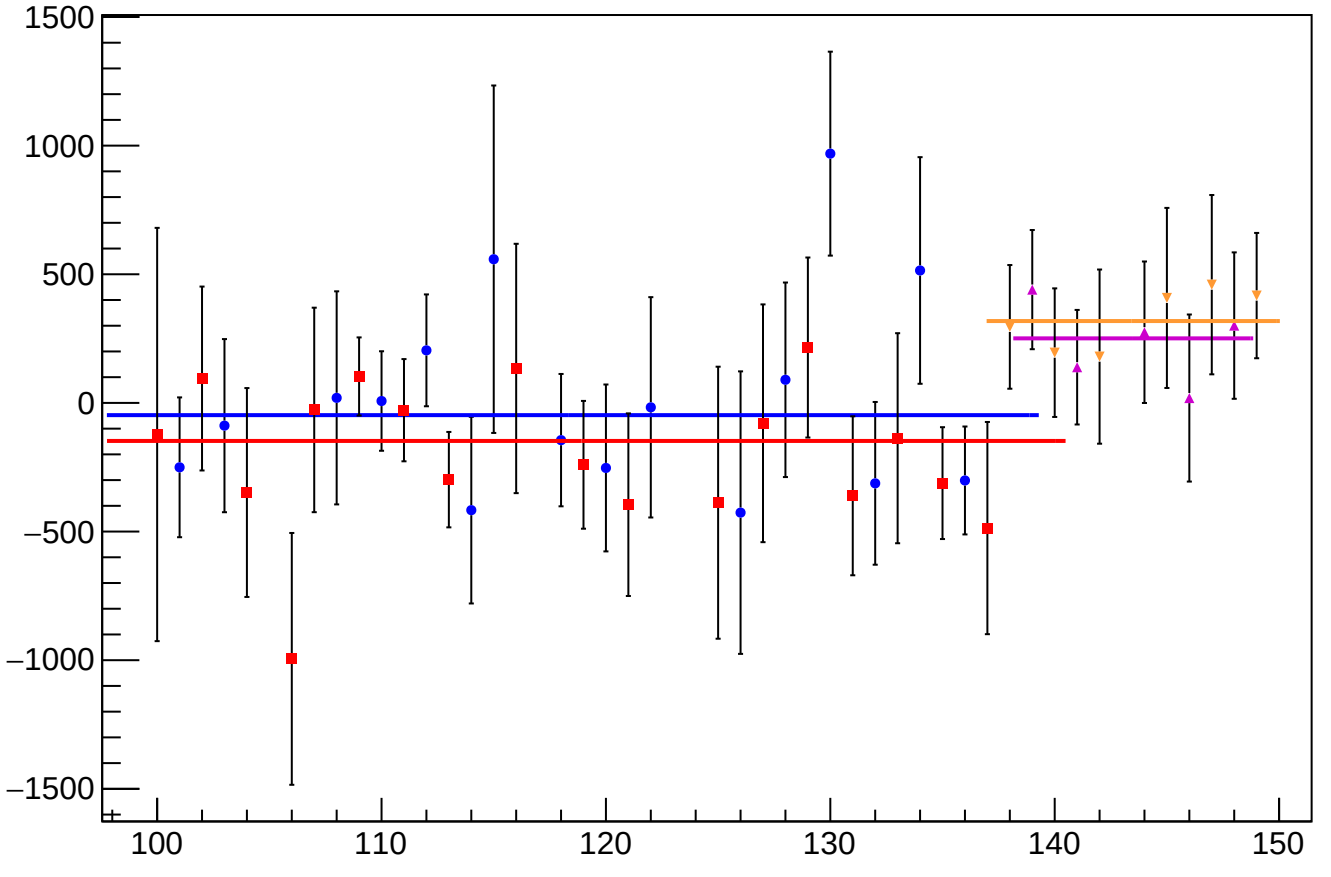
Left: 22.333+/-0.005 χ^2/NDF: 1565.0/10

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.579+/-0.005 χ^2/NDF:17416.9/20

Out: 22.586+/-0.005 χ^2/NDF:16780.7/23

All: 22.583+/-0.003 χ^2/NDF: 34198.6/44



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 318.176+/-115.233 χ^2/NDF:0.8/5

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 250.863+/-116.343 χ^2/NDF:1.5/4

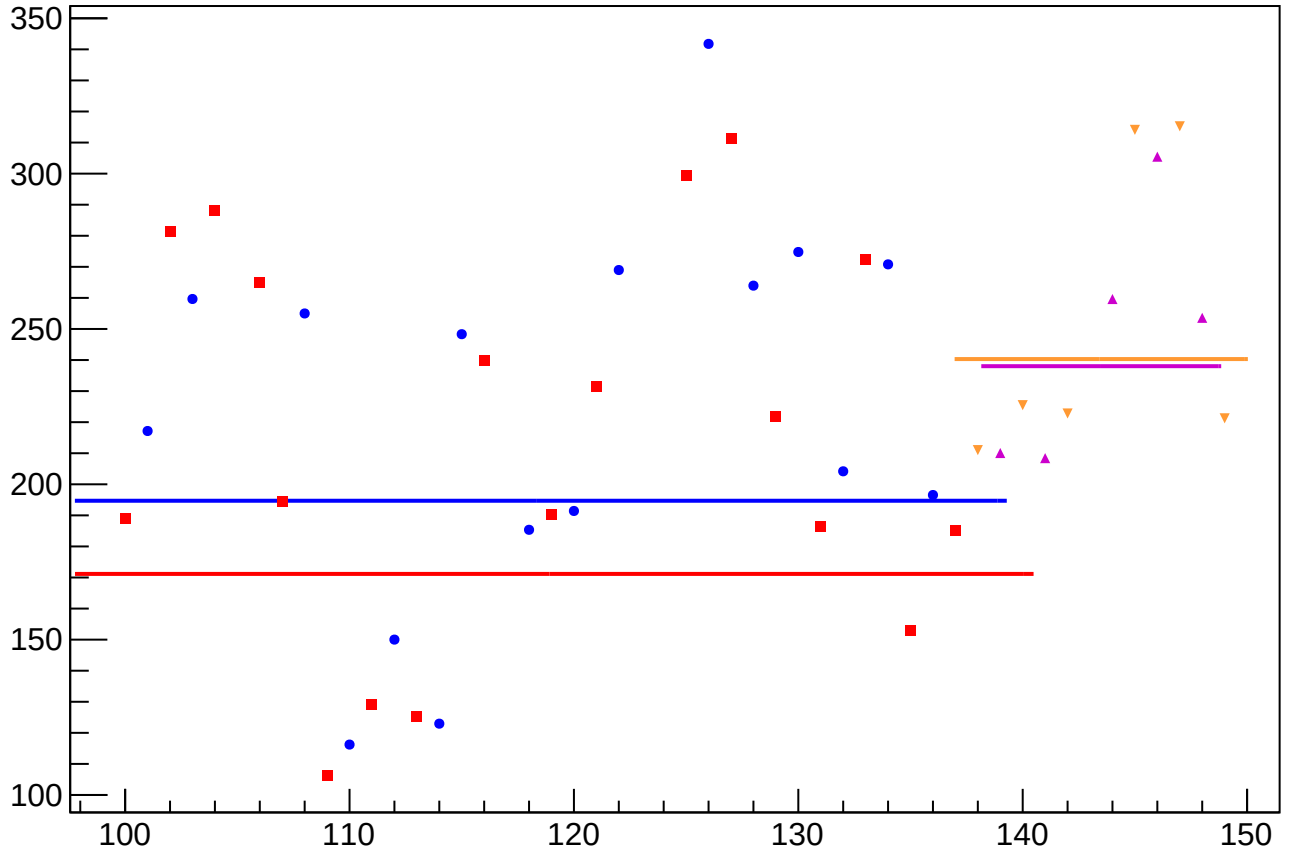
Left: 284.842+/-81.872 χ^2/NDF: 2.5/10

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 42.661+/-63.961 χ^2/NDF:21.5/20

Out: -25.723+/-58.983 χ^2/NDF:24.4/23

All: 5.705+/-43.361 χ^2/NDF: 46.5/44



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 240.312+/-0.081 χ^2/NDF:235739.5/5

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 238.021+/-0.082 χ^2/NDF:169097.2/4

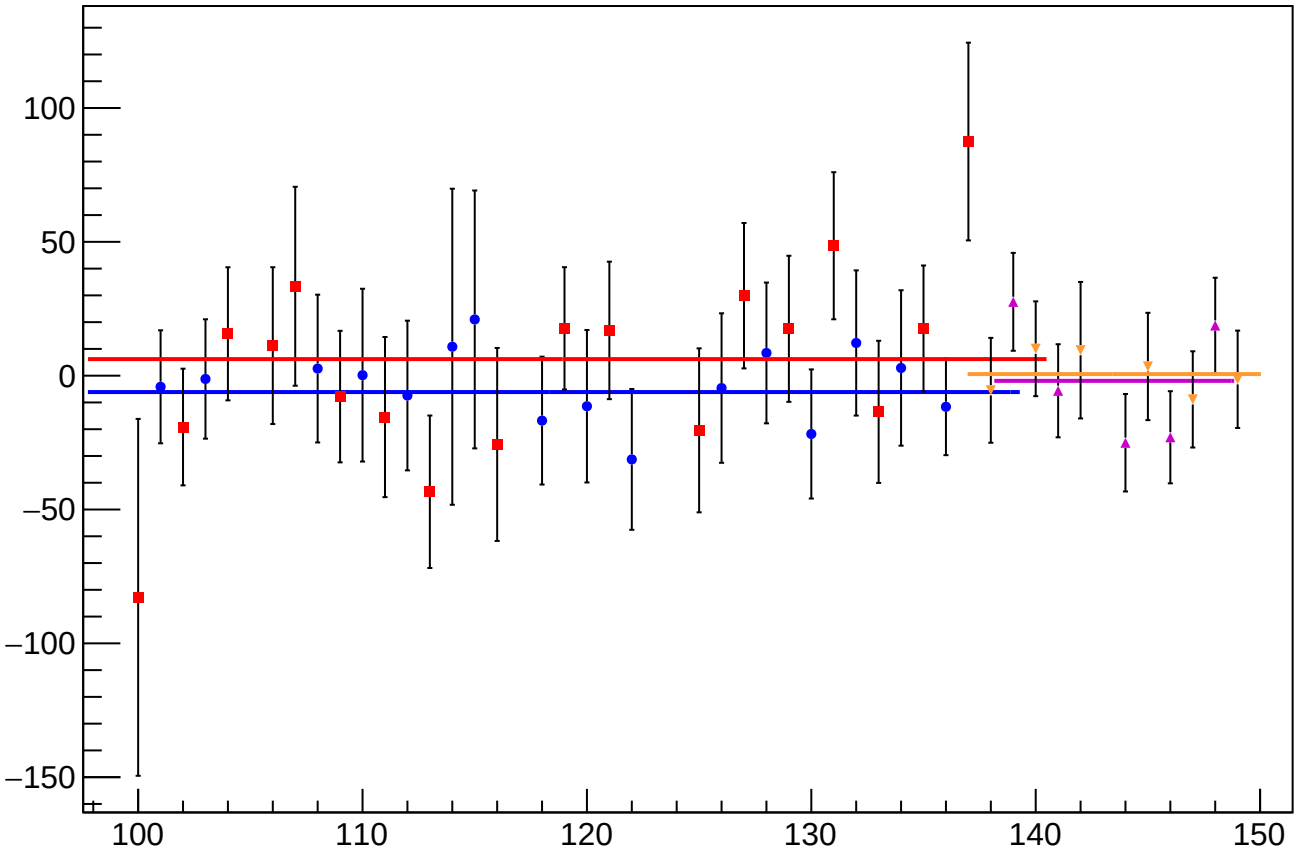
Left: 239.177+/-0.058 χ^2/NDF: 405228.0/10

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 207.799+/-0.045 χ^2/NDF:1414802.5/20

Out: 189.275+/-0.042 χ^2/NDF:2379271.4/23

All: 197.788+/-0.031 χ^2/NDF: 3884729.0/44



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 0.597+/-7.922 χ^2/NDF:0.8/5

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: -0.661+/-5.611 χ^2/NDF: 8.0/10

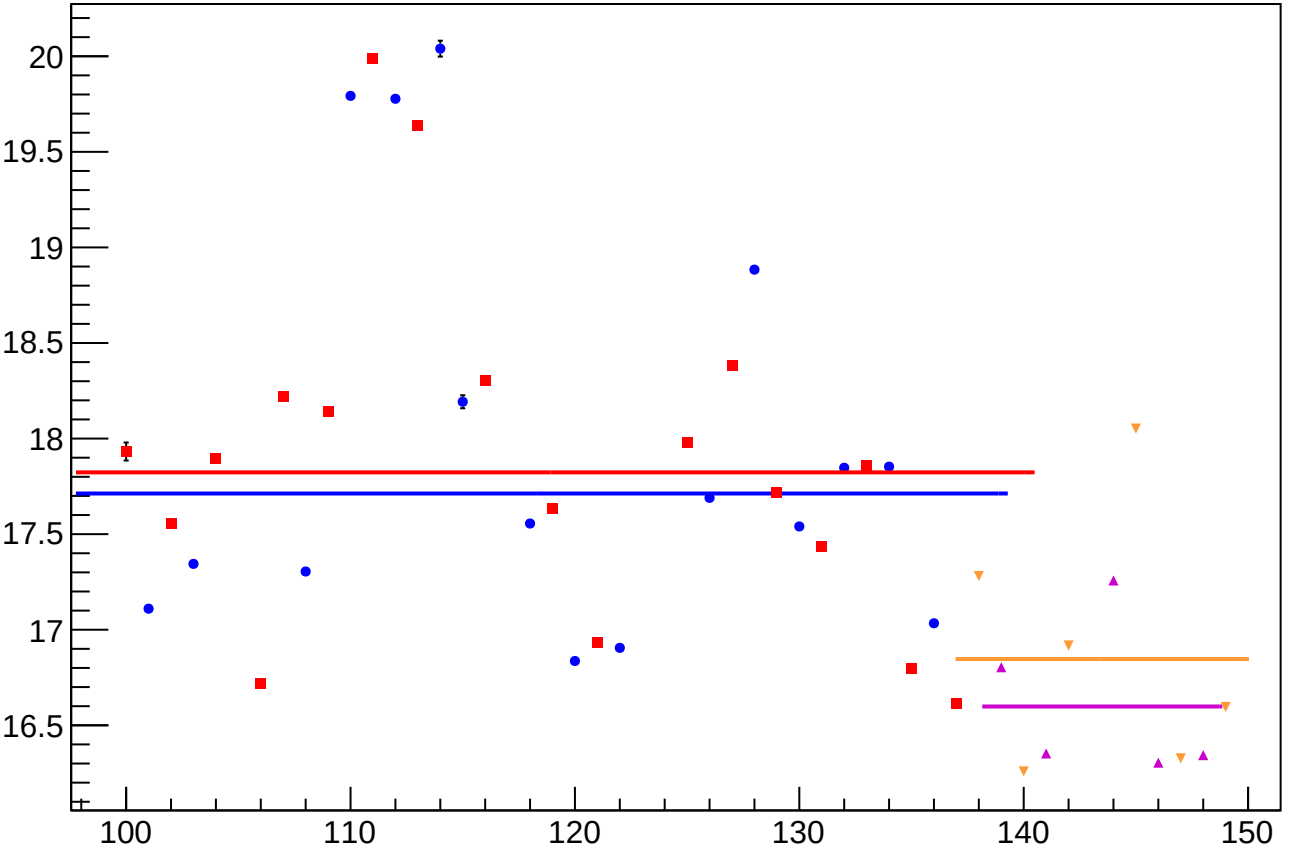
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -4.411+/-5.074 χ^2/NDF:10.4/20

Out: 3.909+/-5.062 χ^2/NDF:19.7/23

All: -0.241+/-3.584 χ^2/NDF: 31.5/44

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: 16.847+/-0.006 χ^2/NDF:12481.5/5

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.598+/-0.006 χ^2/NDF:4261.5/4

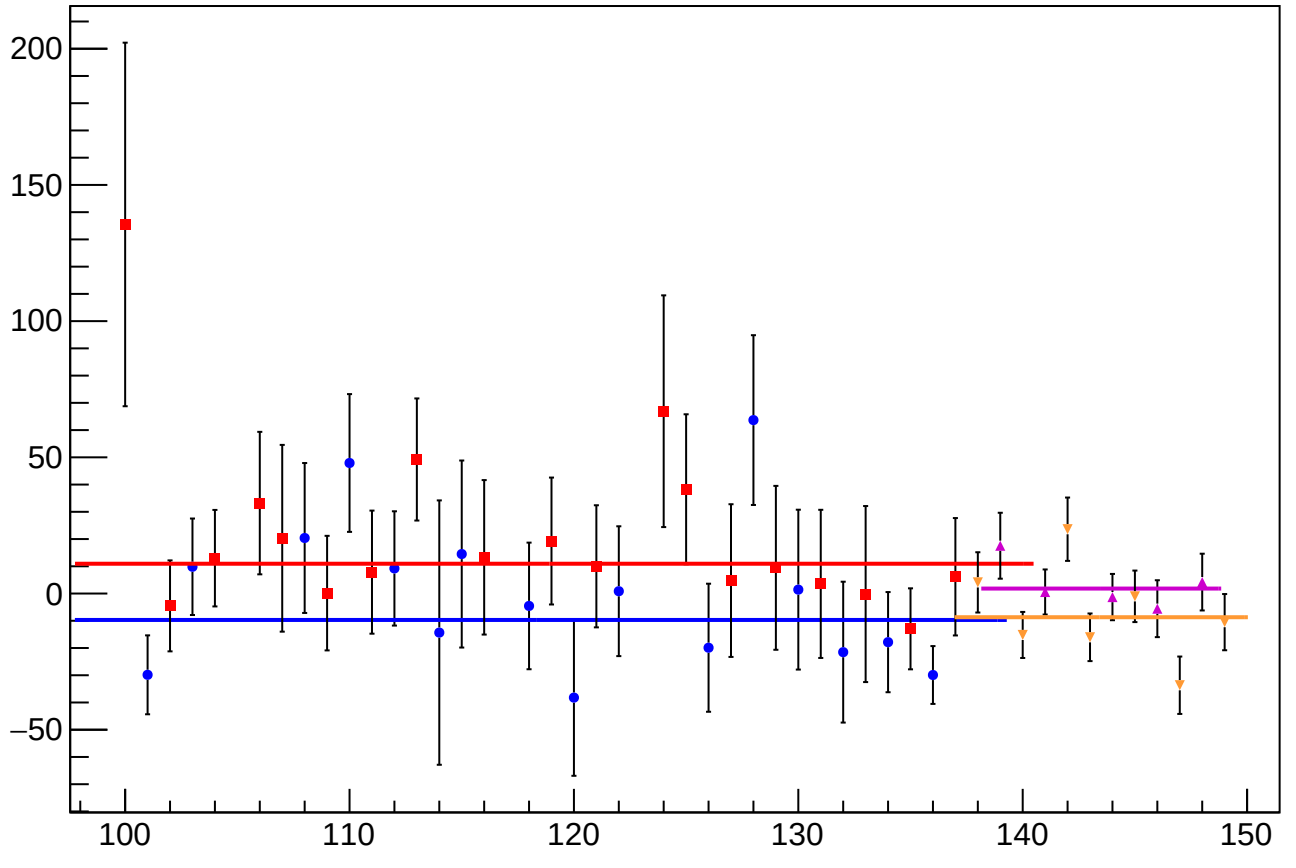
Left: 16.723+/-0.004 χ^2/NDF: 17721.7/10

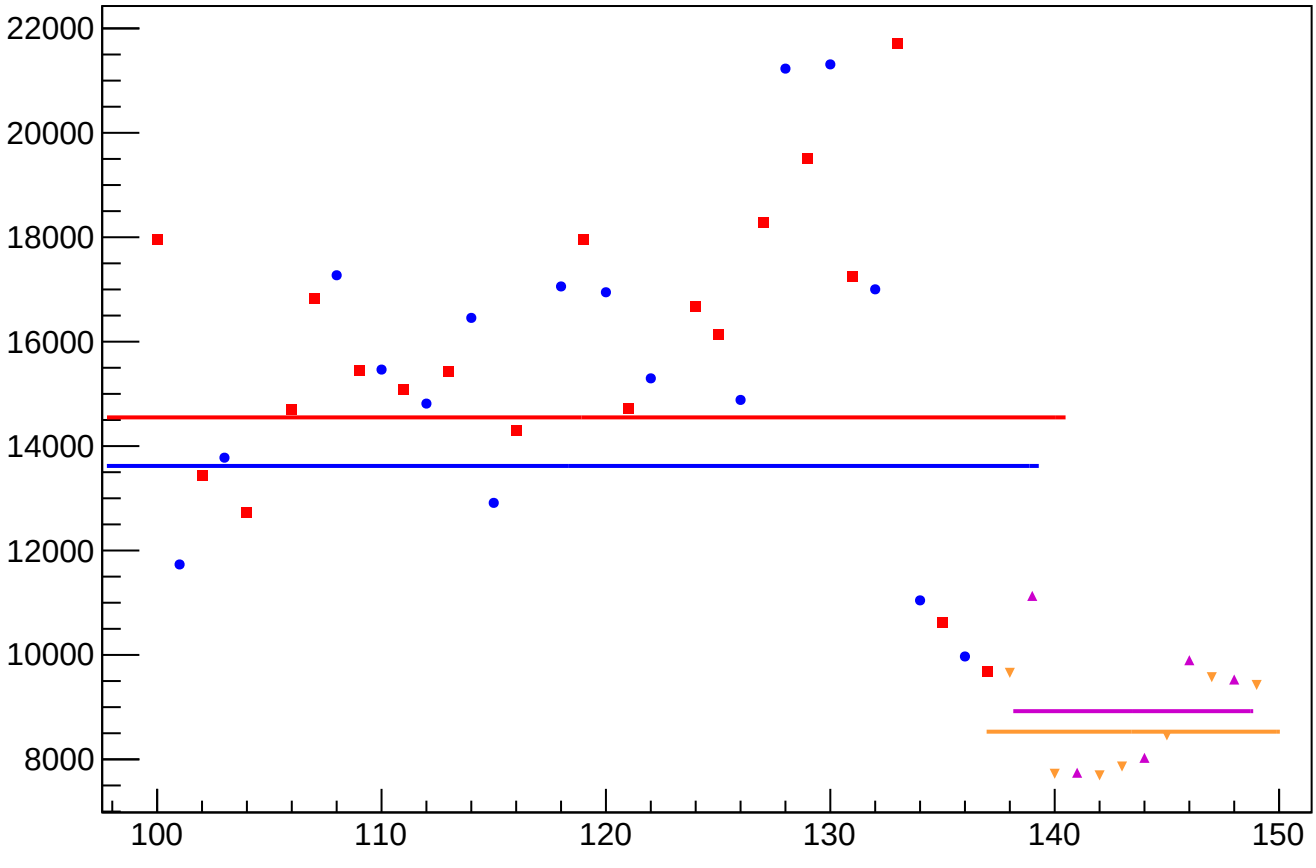
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.259+/-0.004 χ^2/NDF:63527.6/20

Out: 17.424+/-0.004 χ^2/NDF:62968.3/23

All: 17.342+/-0.003 χ^2/NDF: 127566.9/44


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -8.700+/-3.721 χ²/NDF:16.7/6
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 1.821+/-4.316 χ²/NDF:2.4/4
Left: -4.215+/-2.818 χ²/NDF: 22.5/11
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -2.846+/-3.329 χ²/NDF:27.3/20
Out: -2.435+/-3.070 χ²/NDF:39.6/25
All: -2.624+/-2.257 χ²/NDF: 66.9/46



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8530.136+/-2.631 χ^2/NDF:95719.4/6

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8923.031+/-3.052 χ^2/NDF:153548.4/4

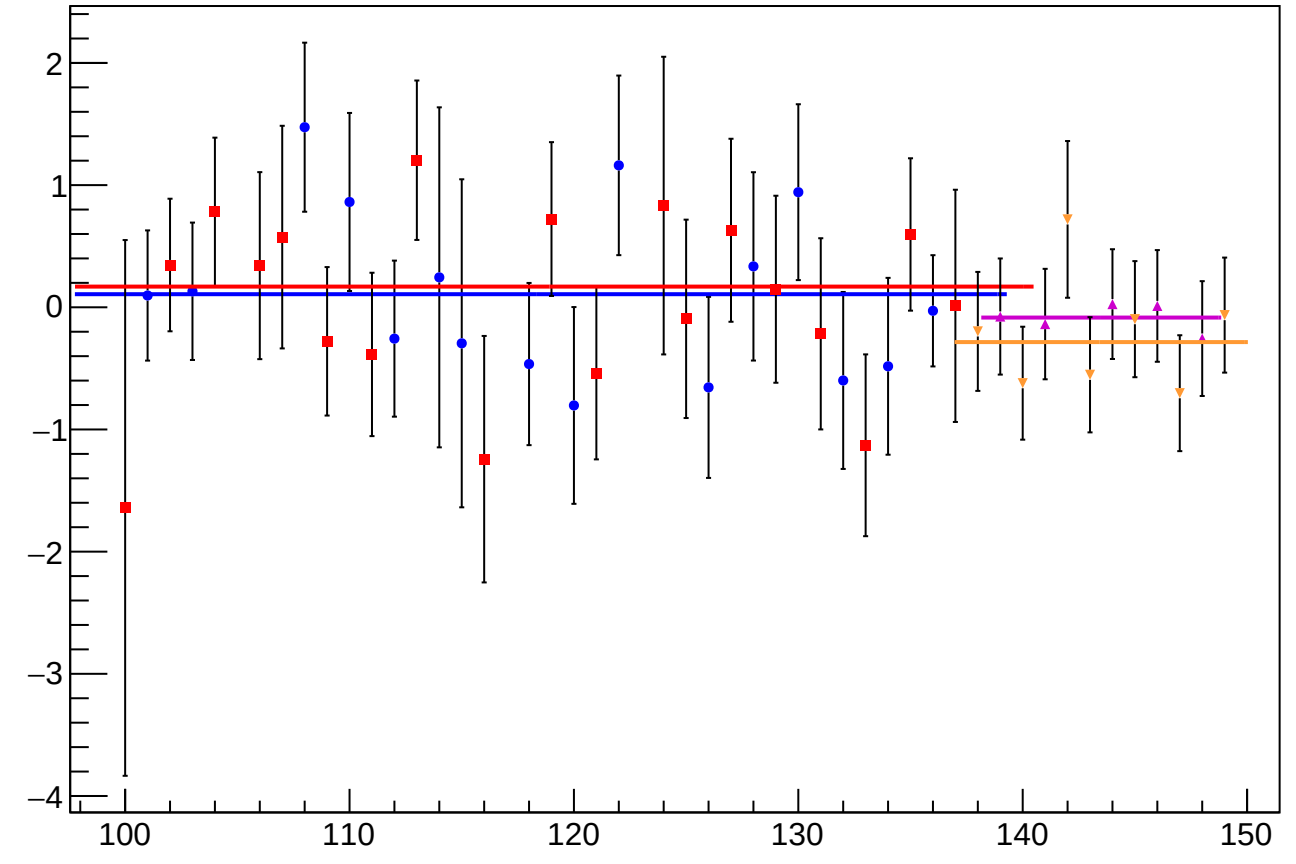
Left: 8697.634+/-1.993 χ^2/NDF: 258775.1/11

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10825.303+/-2.354 χ^2/NDF:1859733.4/20

Out: 10450.445+/-2.171 χ^2/NDF:2321566.8/25

All: 10622.736+/-1.596 χ^2/NDF: 4195001.4/4



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.285+/-0.185 χ^2/NDF:4.5/6

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.084+/-0.206 χ^2/NDF:0.3/4

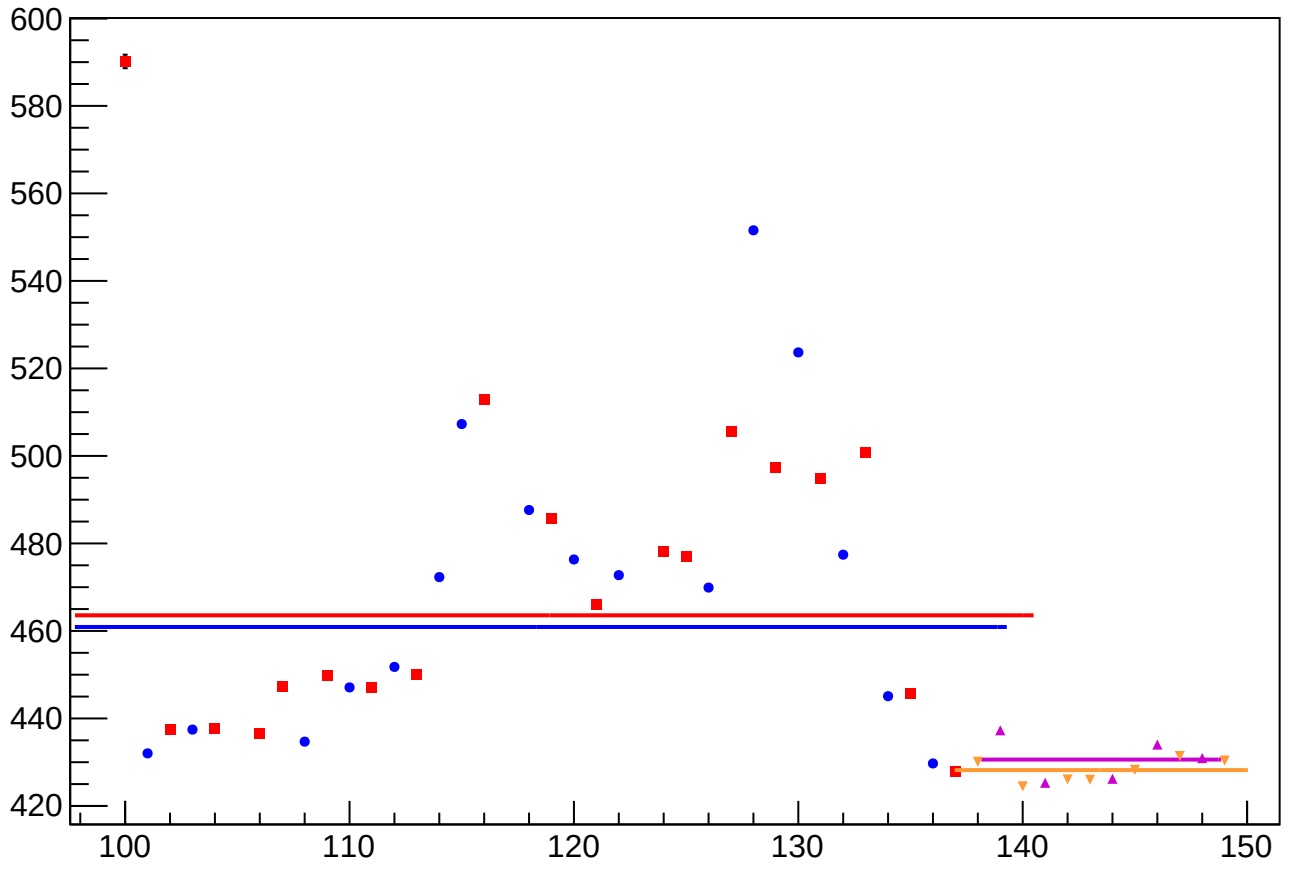
Left: -0.195+/-0.138 χ^2/NDF: 5.3/11

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.029+/-0.132 χ^2/NDF:14.4/20

Out: -0.038+/-0.125 χ^2/NDF:21.9/25

All: -0.006+/-0.091 χ^2/NDF: 36.4/46



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 428.195+/-0.131 χ^2/NDF:360.3/6

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.602+/-0.146 χ^2/NDF:976.0/4

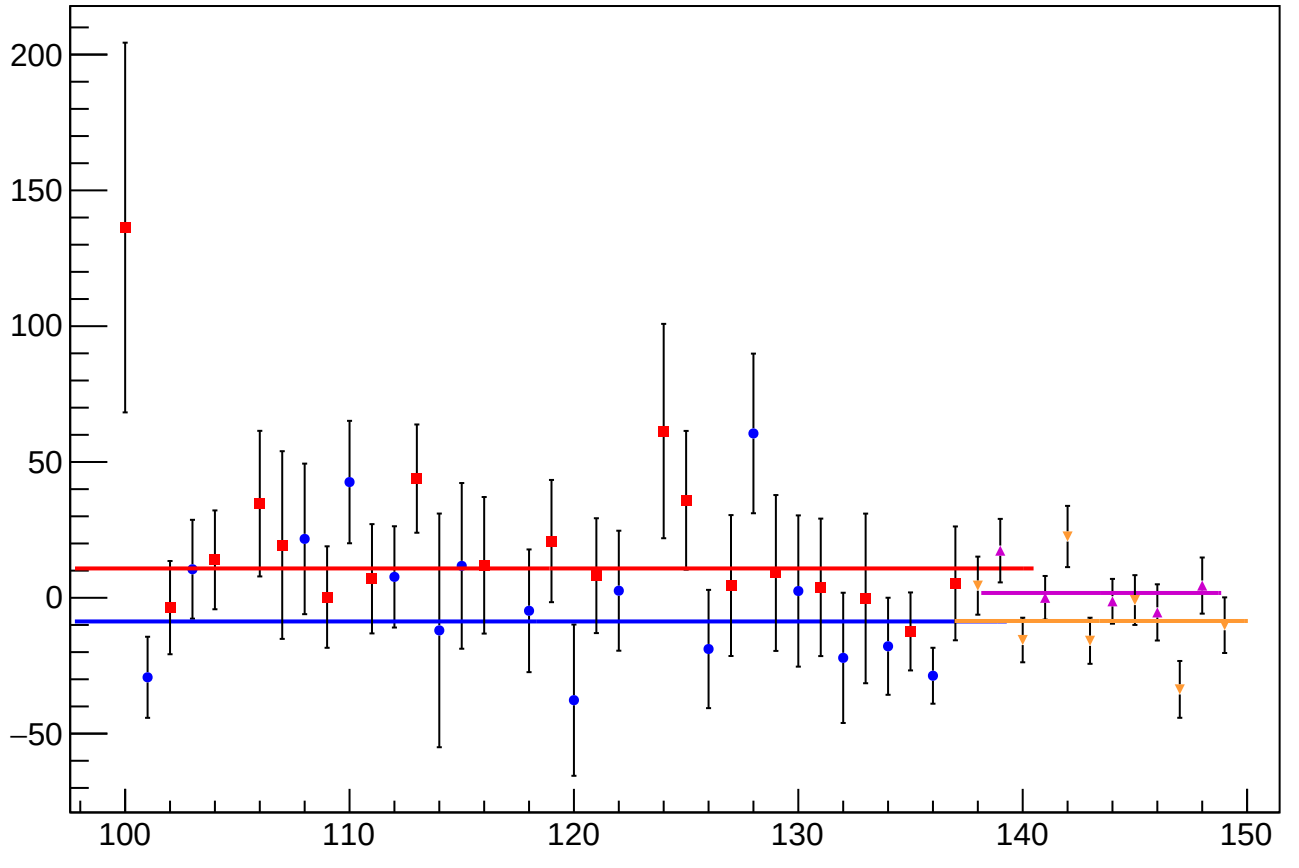
Left: 429.270+/-0.097 χ^2/NDF: 1487.5/11

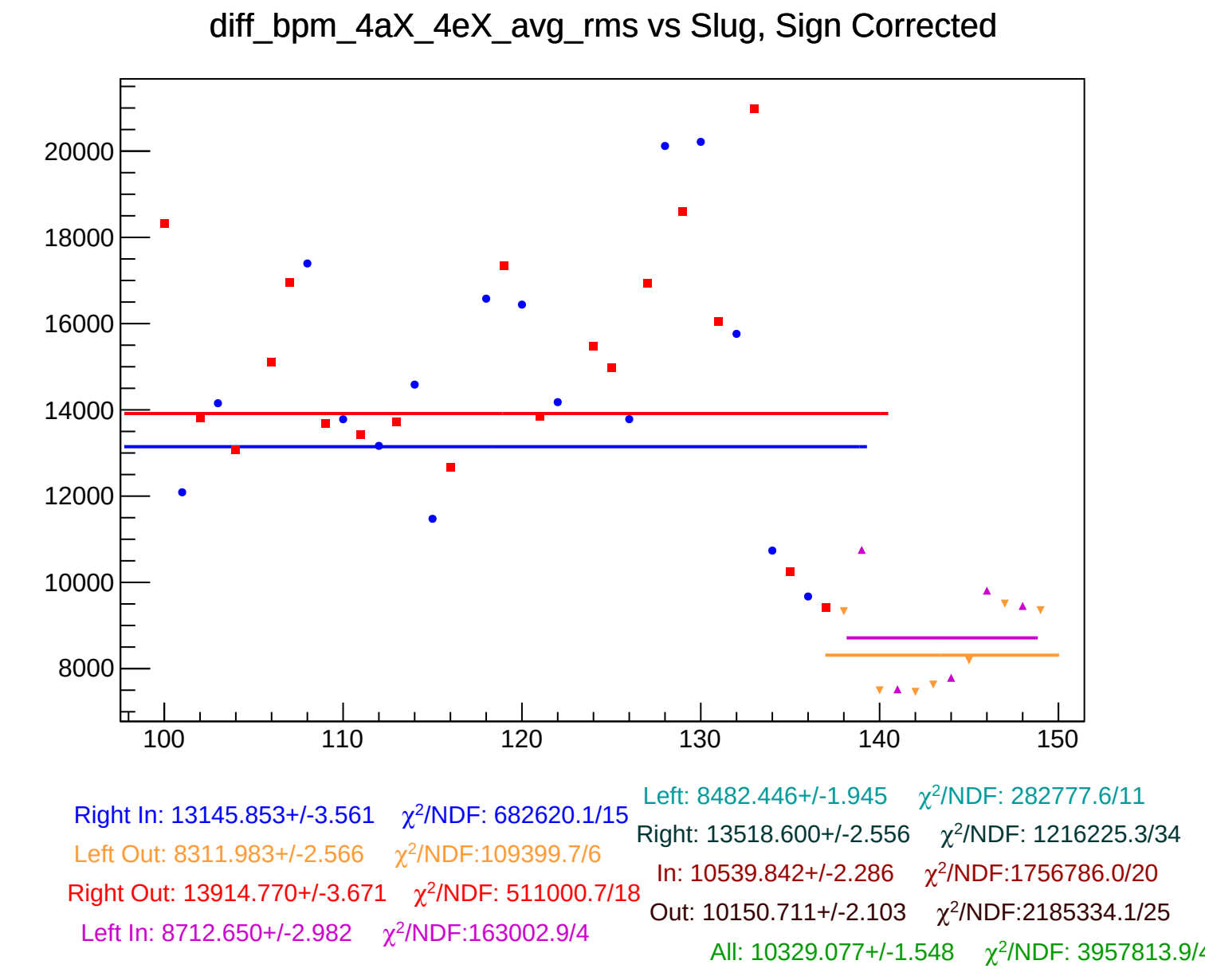
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 448.474+/-0.093 χ^2/NDF:101462.8/20

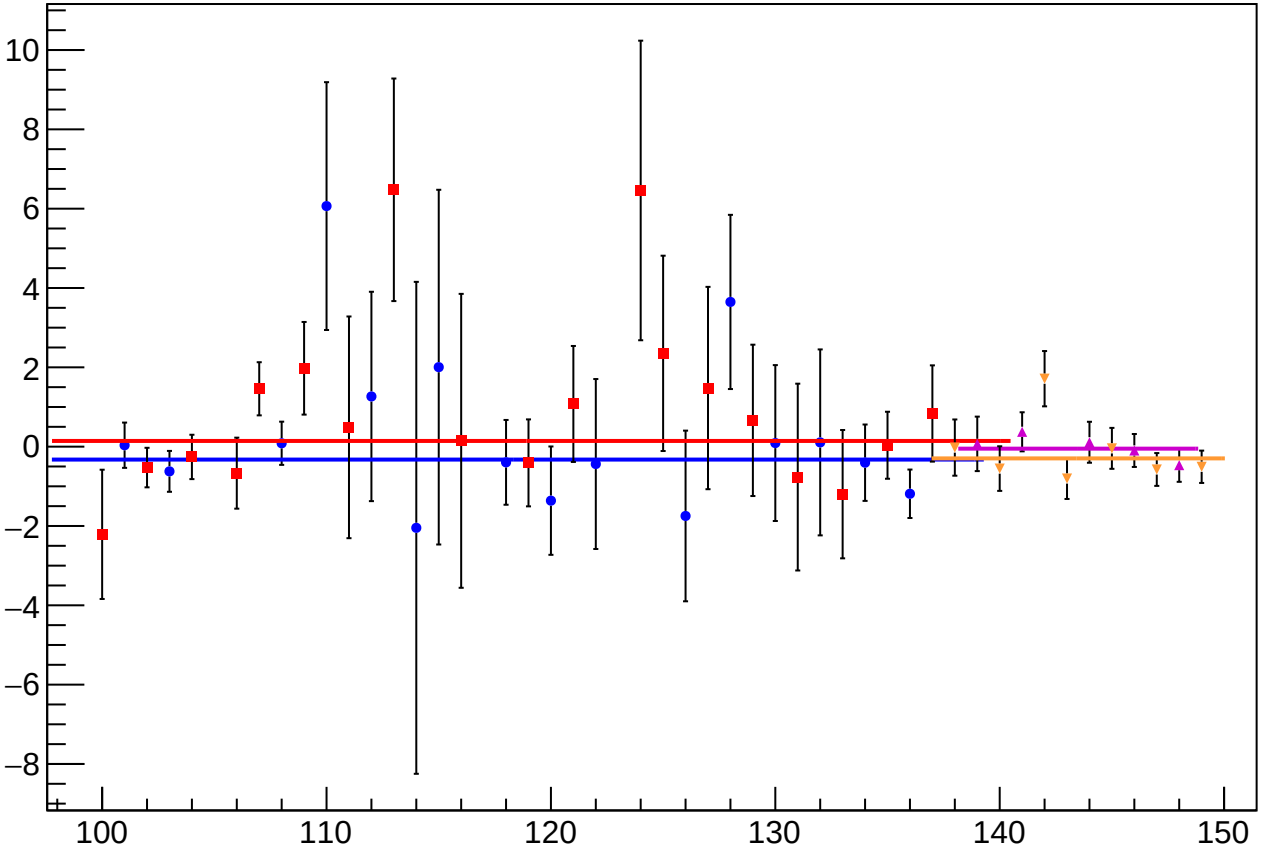
Out: 447.436+/-0.088 χ^2/NDF:92308.1/25

All: 447.927+/-0.064 χ^2/NDF: 193836.2/46


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -8.534+/-3.629 χ²/NDF:17.1/6
Right Out: 10.807+/-5.192 χ²/NDF: 13.9/18
Left In: 1.781+/-4.217 χ²/NDF:2.5/4
Left: -4.146+/-2.750 χ²/NDF: 23.0/11
Right: 0.753+/-3.615 χ²/NDF: 43.4/34
In: -2.542+/-3.233 χ²/NDF:27.3/20
Out: -2.187+/-2.974 χ²/NDF:40.3/25
All: -2.350+/-2.189 χ²/NDF: 67.6/46


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: 8311.983+/-2.566 χ²/NDF:109399.7/6
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8712.650+/-2.982 χ²/NDF:163002.9/4
Left: 8482.446+/-1.945 χ²/NDF: 282777.6/11
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10539.842+/-2.286 χ²/NDF:1756786.0/20
Out: 10150.711+/-2.103 χ²/NDF:2185334.1/25
All: 10329.077+/-1.548 χ²/NDF: 3957813.9/4

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.296+/-0.194 χ^2/NDF:10.6/6

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: -0.186+/-0.144 χ^2/NDF: 13.2/11

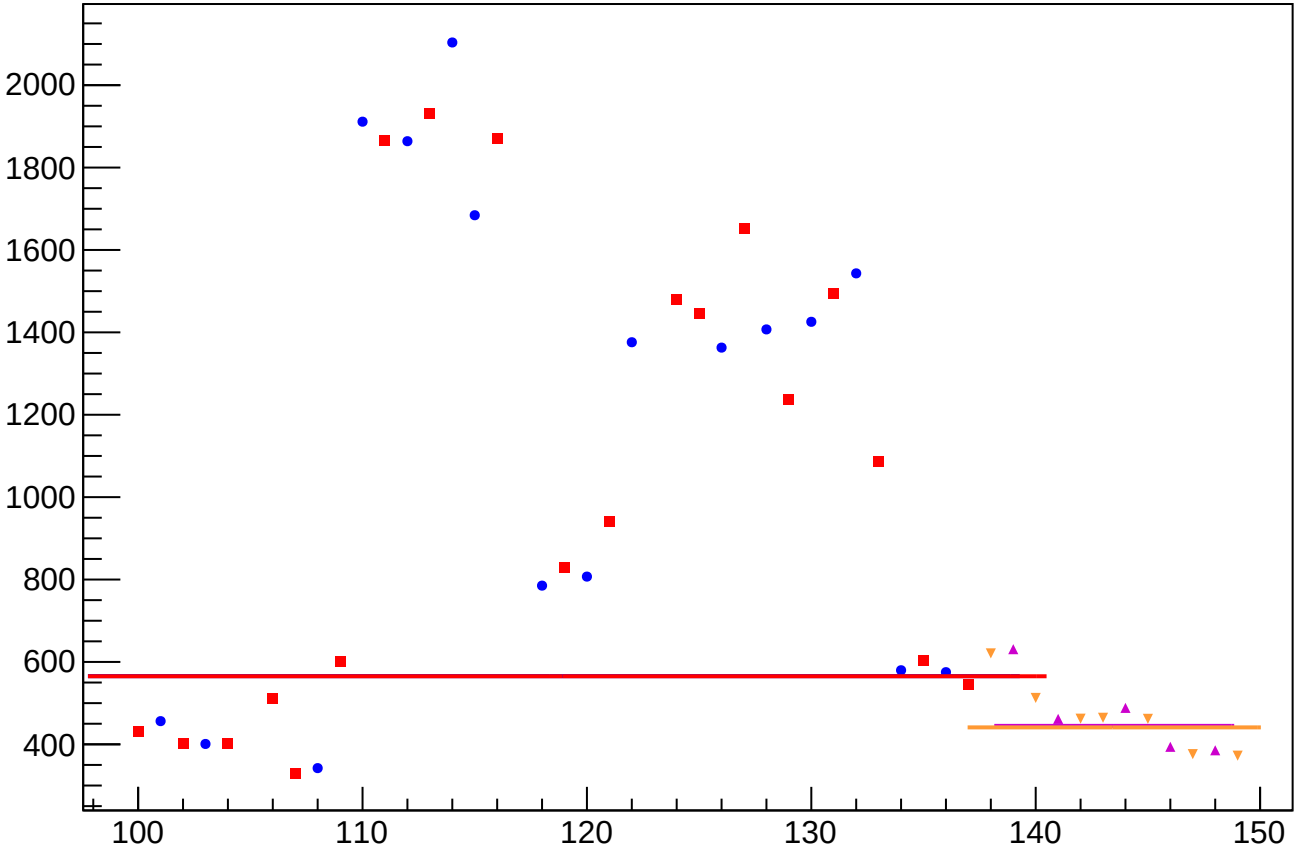
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.171+/-0.162 χ^2/NDF:15.1/20

Out: -0.126+/-0.152 χ^2/NDF:35.0/25

All: -0.147+/-0.111 χ^2/NDF: 50.2/46

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 441.120+/-0.137 χ^2/NDF:276006.5/6

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 444.807+/-0.153 χ^2/NDF:233221.4/4

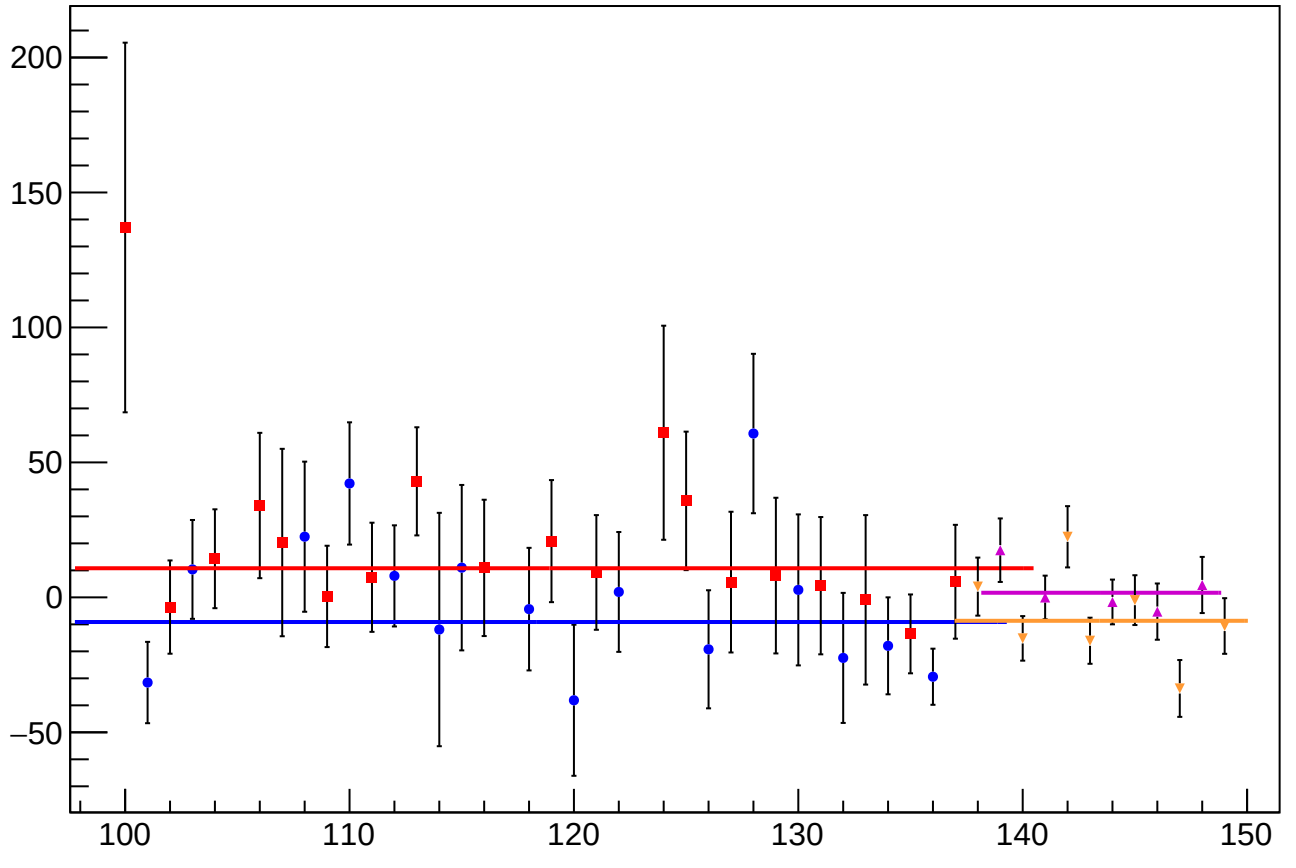
Left: 442.765+/-0.102 χ^2/NDF: 509550.7/11

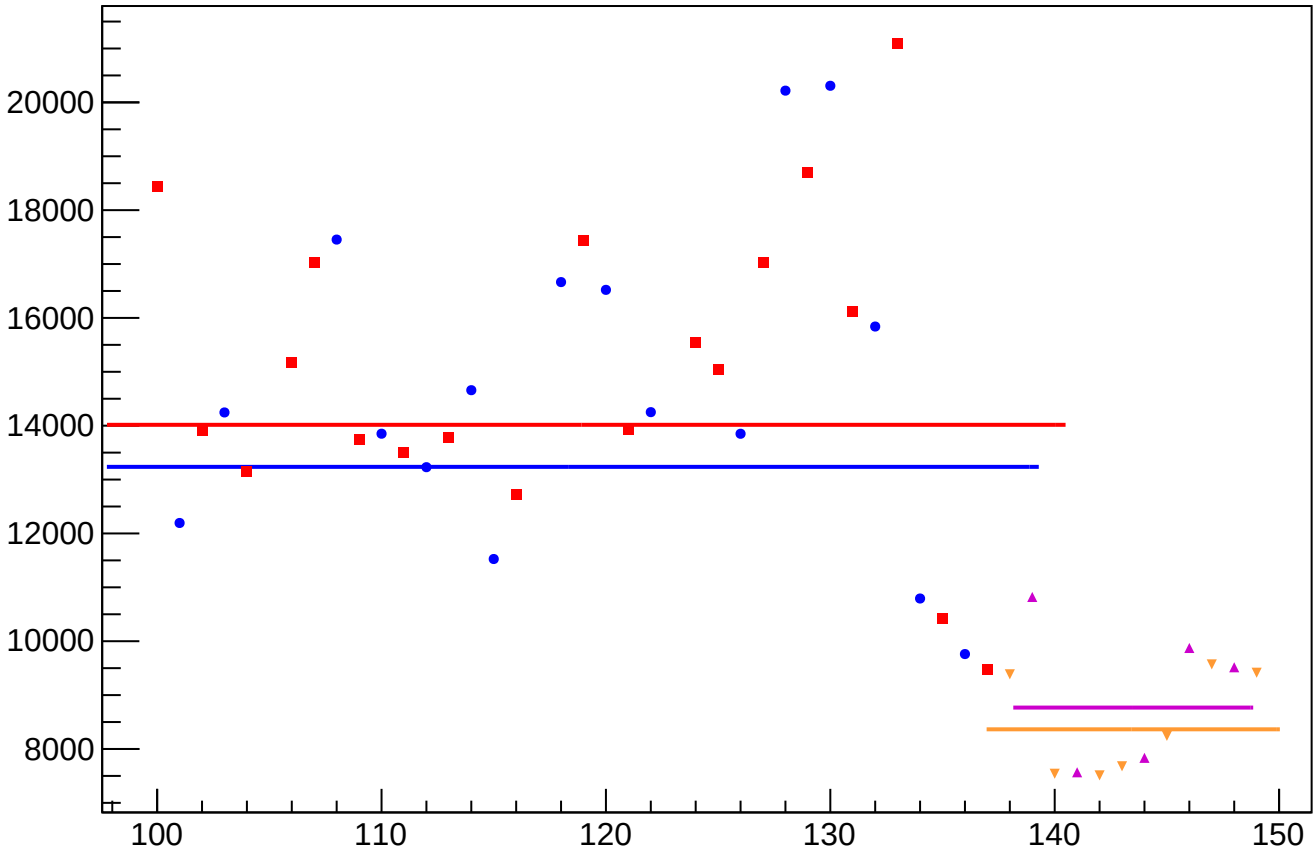
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 497.815+/-0.114 χ^2/NDF:3958094.2/20

Out: 489.069+/-0.107 χ^2/NDF:4164157.9/25

All: 493.167+/-0.078 χ^2/NDF: 8125358.7/46


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: -8.681+/-3.652 χ²/NDF:16.7/6
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 1.705+/-4.244 χ²/NDF:2.5/4
Left: -4.263+/-2.768 χ²/NDF: 22.6/11
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.759+/-3.254 χ²/NDF:28.0/20
Out: -2.297+/-2.994 χ²/NDF:39.7/25
All: -2.509+/-2.203 χ²/NDF: 67.7/46



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8364.804+/-2.582 χ^2/NDF:109538.6/6

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8768.272+/-3.001 χ^2/NDF:163240.2/4

Left: 8536.453+/-1.957 χ^2/NDF: 283166.3/11

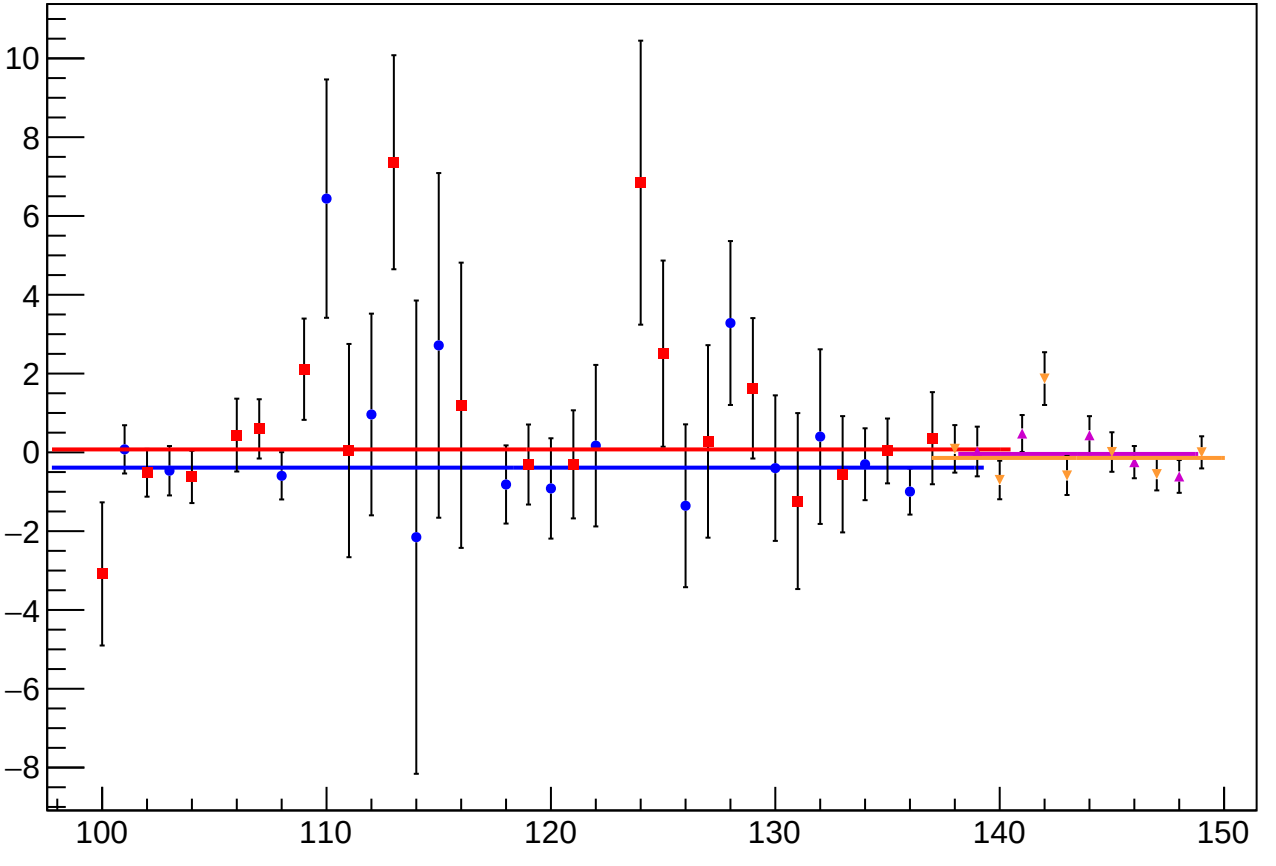
Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 10609.071+/-2.301 χ^2/NDF:1750465.4/20

Out: 10218.089+/-2.117 χ^2/NDF:2179027.4/25

All: 10397.311+/-1.558 χ^2/NDF: 3945131.7/4

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.141+/-0.185 χ^2/NDF:12.5/6

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.040+/-0.208 χ^2/NDF:4.3/4

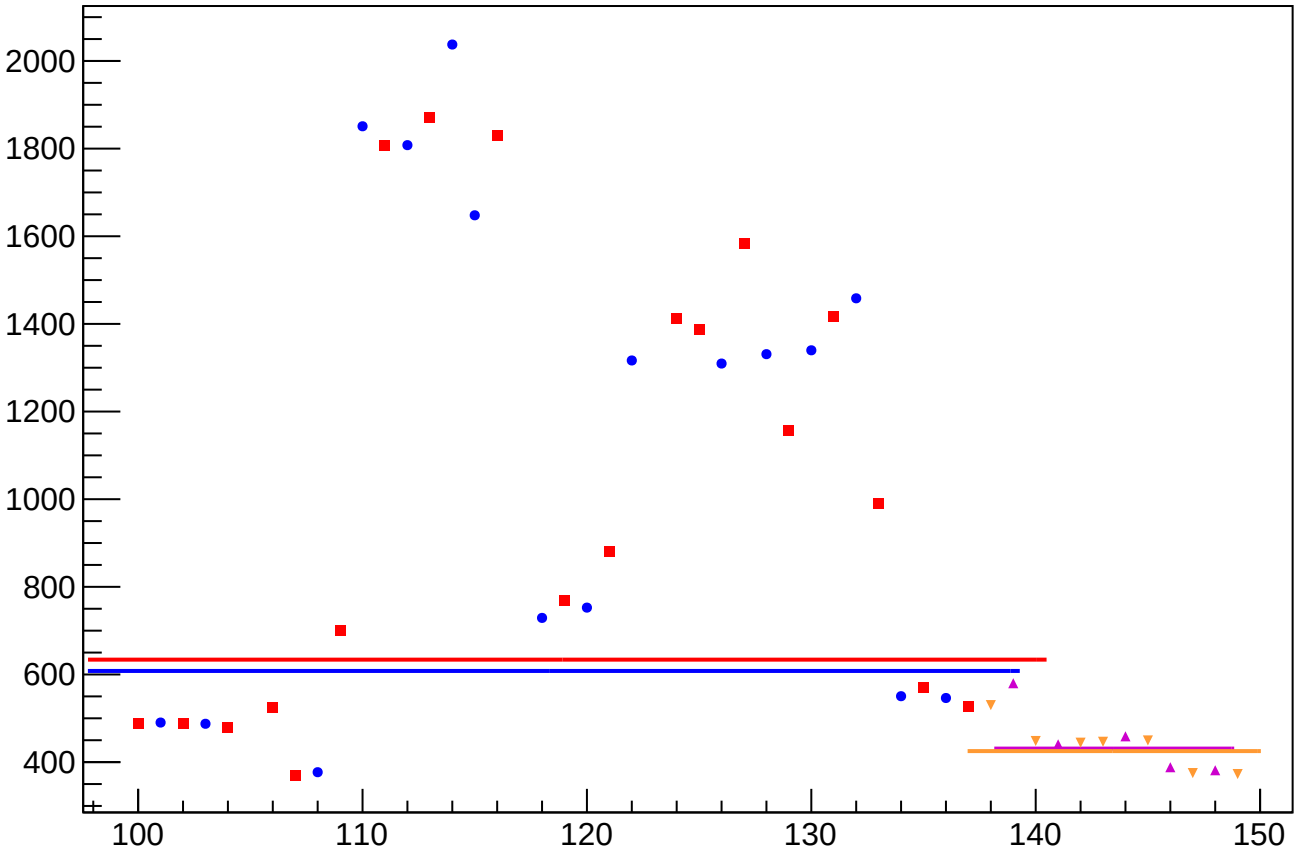
Left: -0.097+/-0.138 χ^2/NDF: 17.0/11

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.179+/-0.161 χ^2/NDF:17.1/20

Out: -0.070+/-0.152 χ^2/NDF:34.6/25

All: -0.121+/-0.111 χ^2/NDF: 52.0/46



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 425.195+/-0.131 χ^2/NDF:137533.5/6

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 430.888+/-0.147 χ^2/NDF:169185.1/4

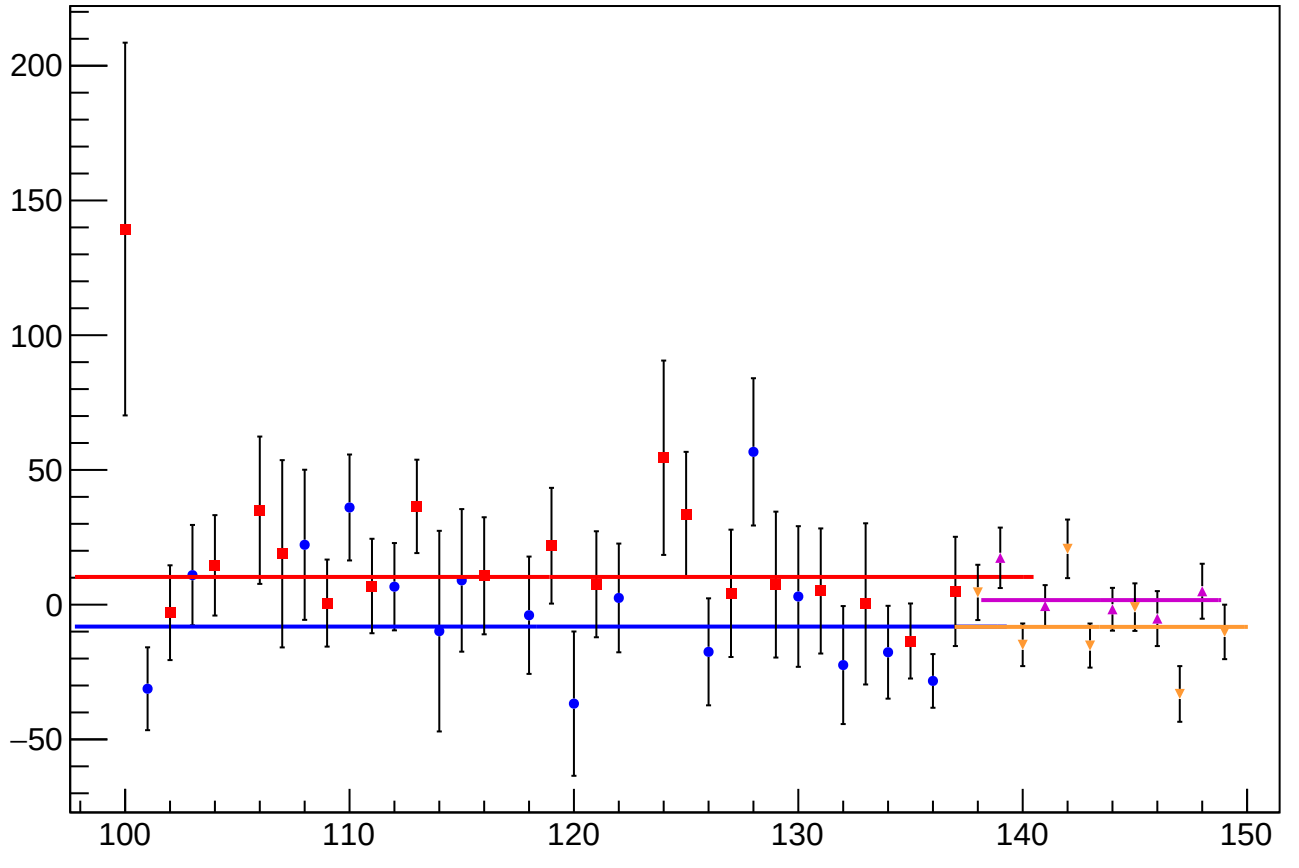
Left: 427.712+/-0.098 χ^2/NDF: 307552.5/11

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 501.527+/-0.114 χ^2/NDF:3599284.5/20

Out: 493.929+/-0.107 χ^2/NDF:3760805.4/25

All: 497.494+/-0.078 χ^2/NDF: 7362441.0/46



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -8.249+/-3.516 χ^2/NDF:16.6/6

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.694+/-4.094 χ^2/NDF:2.8/4

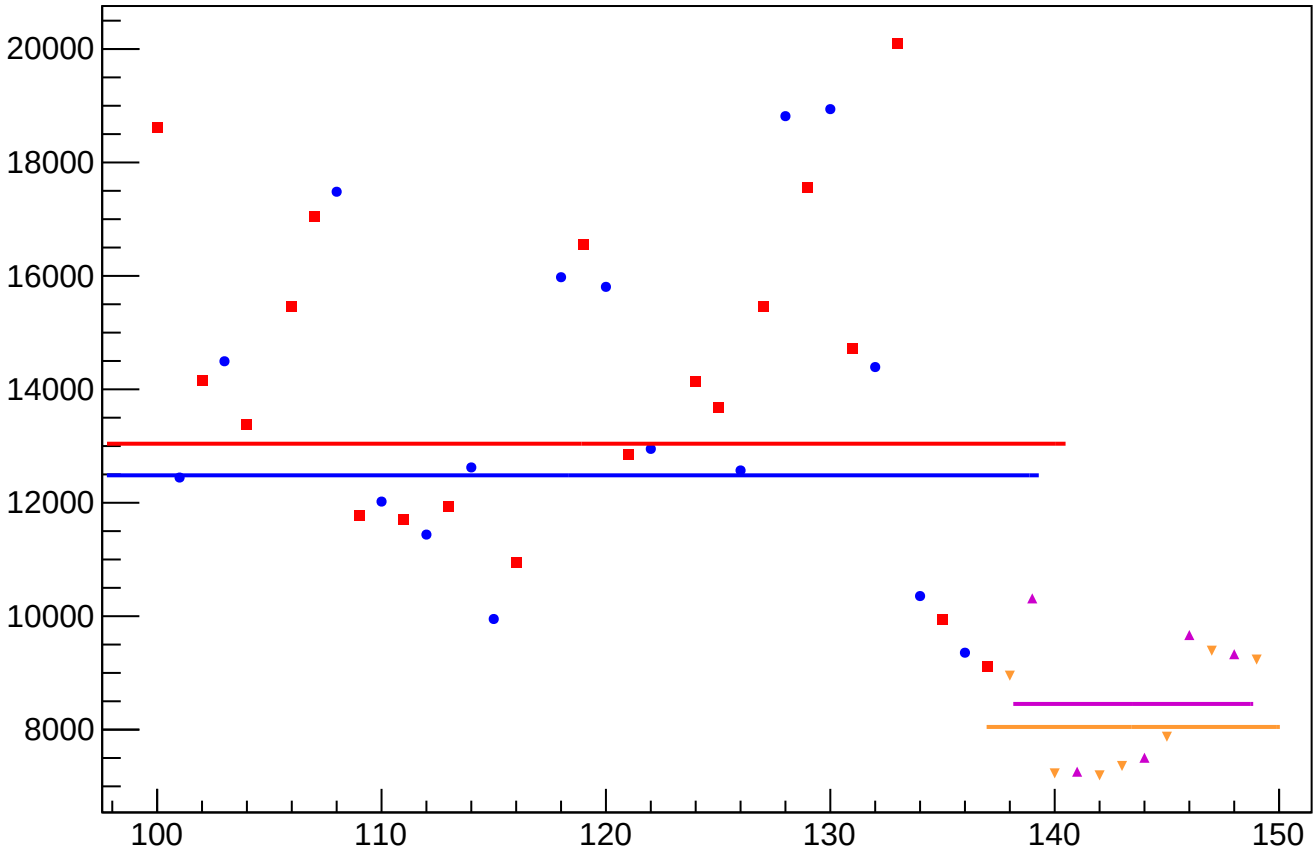
Left: -4.028+/-2.667 χ^2/NDF: 22.8/11

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -2.465+/-3.109 χ^2/NDF:28.3/20

Out: -1.903+/-2.852 χ^2/NDF:39.8/25

All: -2.160+/-2.101 χ^2/NDF: 68.2/46



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8047.415+/-2.486 χ^2/NDF:125673.1/6

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8453.151+/-2.895 χ^2/NDF:174249.2/4

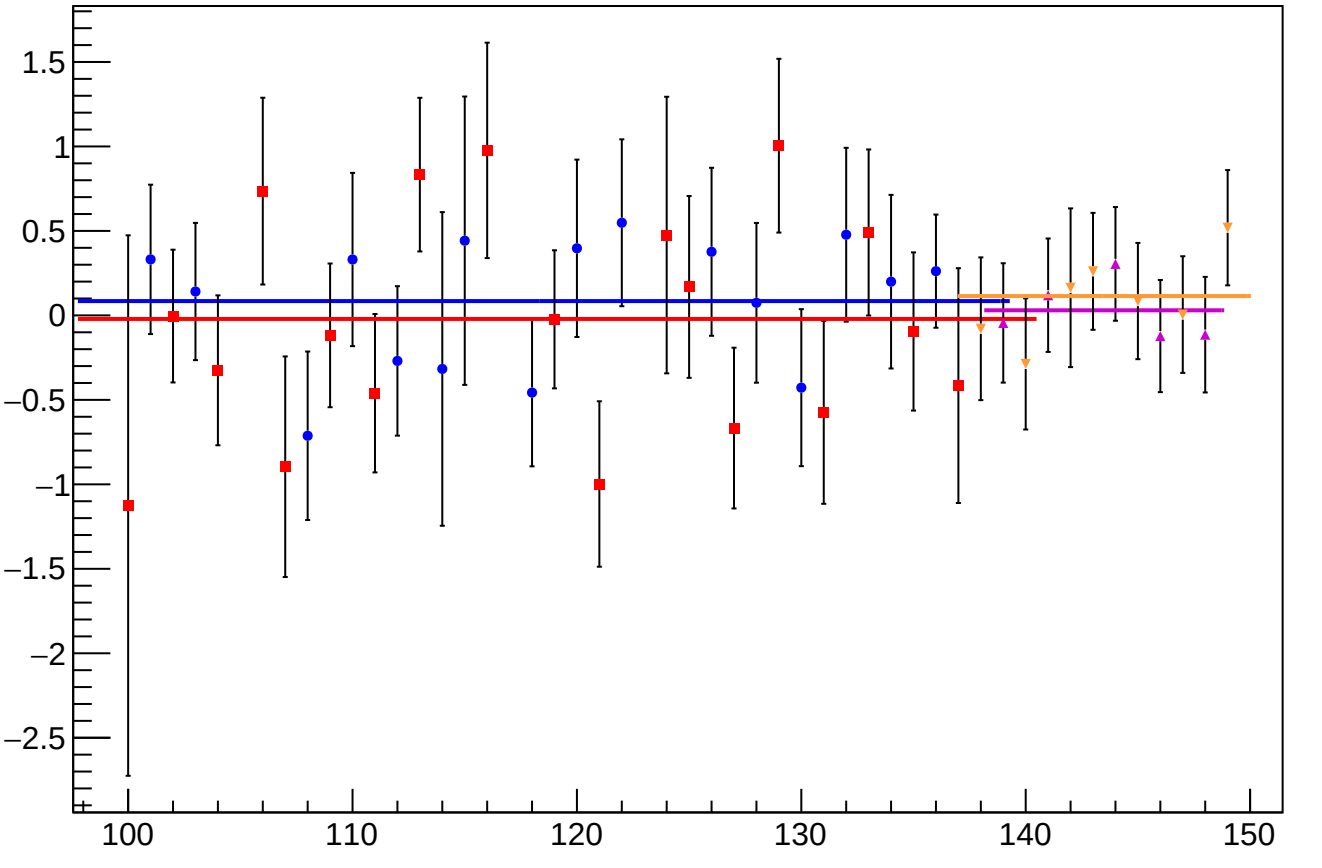
Left: 8219.677+/-1.886 χ^2/NDF: 311228.0/11

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10159.002+/-2.198 χ^2/NDF:1666436.2/20

Out: 9757.123+/-2.016 χ^2/NDF:2051240.4/25

All: 9940.735+/-1.486 χ^2/NDF: 3735826.5/46



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.115+/-0.141 χ^2/NDF:3.0/6

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: 0.076+/-0.103 χ^2/NDF: 4.3/11

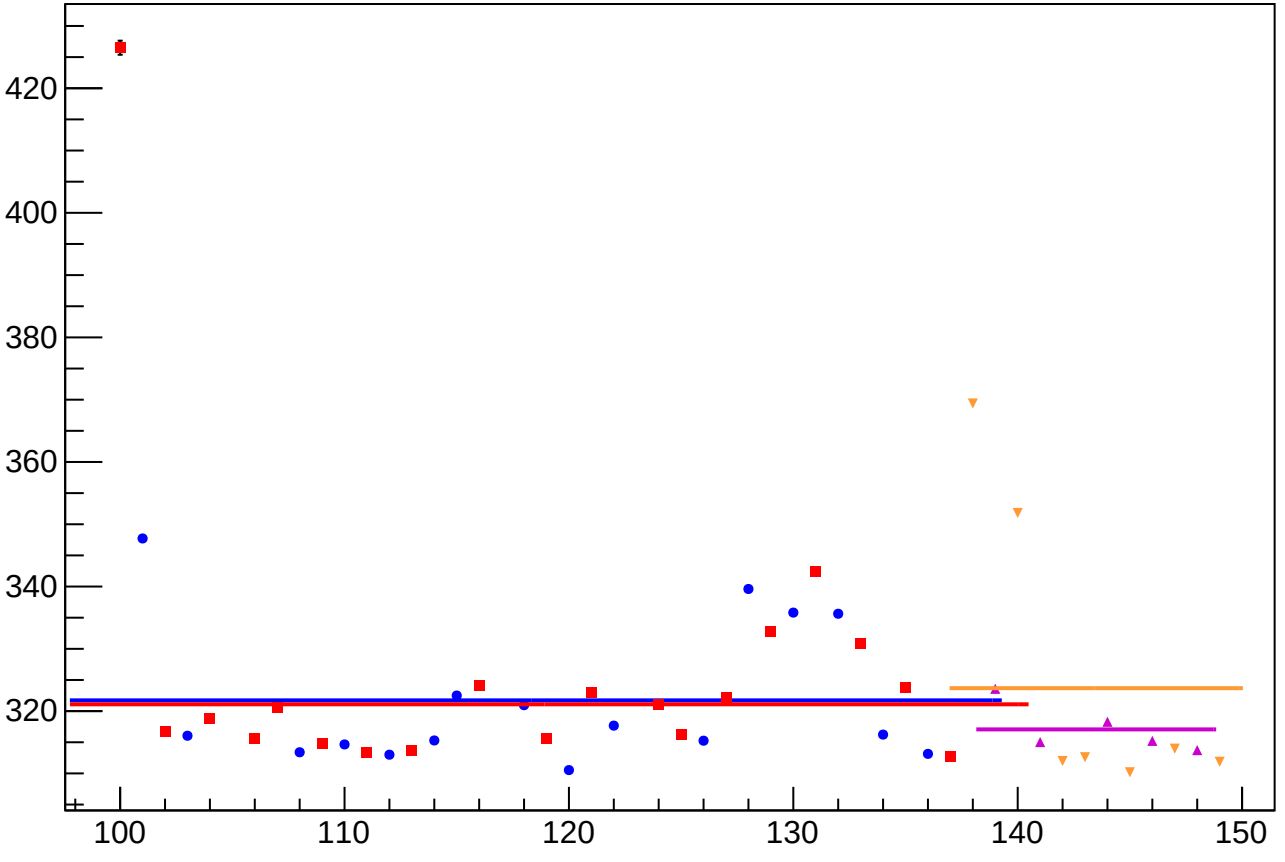
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.064+/-0.094 χ^2/NDF:10.6/20

Out: 0.035+/-0.090 χ^2/NDF:27.8/25

All: 0.049+/-0.065 χ^2/NDF: 38.5/46

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 323.685+/-0.099 χ^2/NDF:44265.3/6

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 317.065+/-0.107 χ^2/NDF:1030.5/4

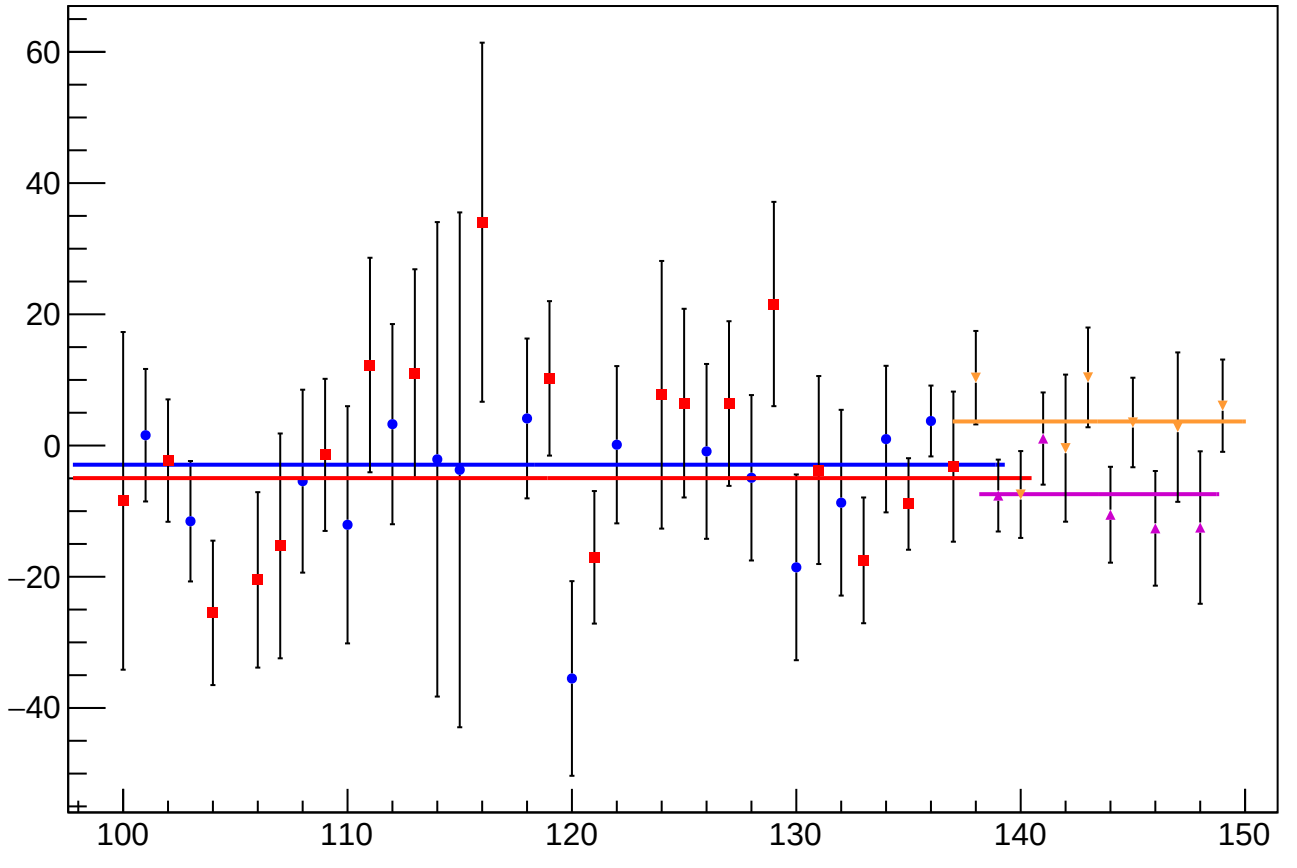
Left: 320.629+/-0.073 χ^2/NDF: 47340.8/11

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.933+/-0.067 χ^2/NDF:20404.1/20

Out: 322.158+/-0.064 χ^2/NDF:61244.7/25

All: 321.095+/-0.046 χ^2/NDF: 82230.8/46



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.669+/-2.921 χ^2/NDF:4.7/6

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -7.412+/-3.283 χ^2/NDF:2.2/4

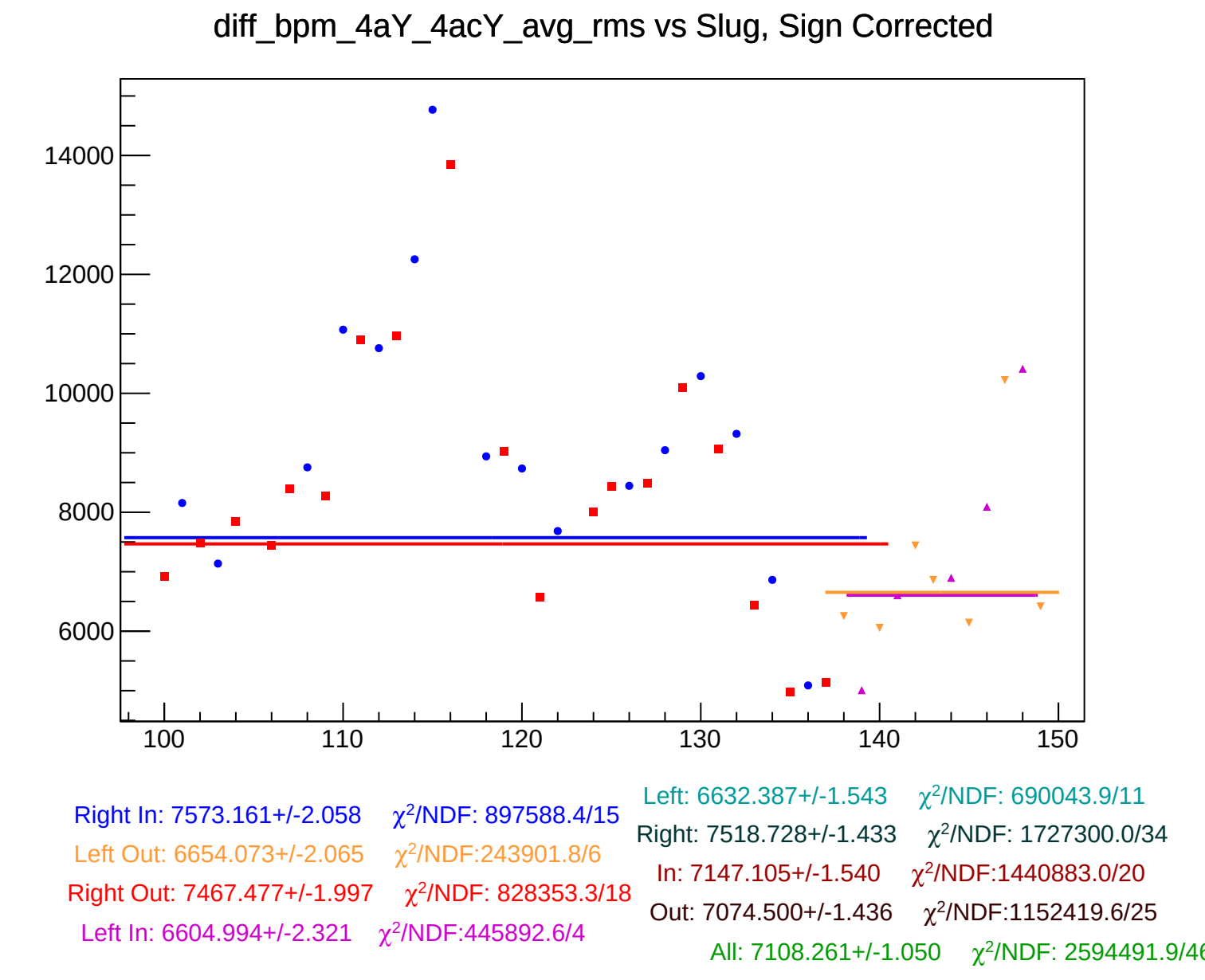
Left: -1.227+/-2.182 χ^2/NDF: 13.3/11

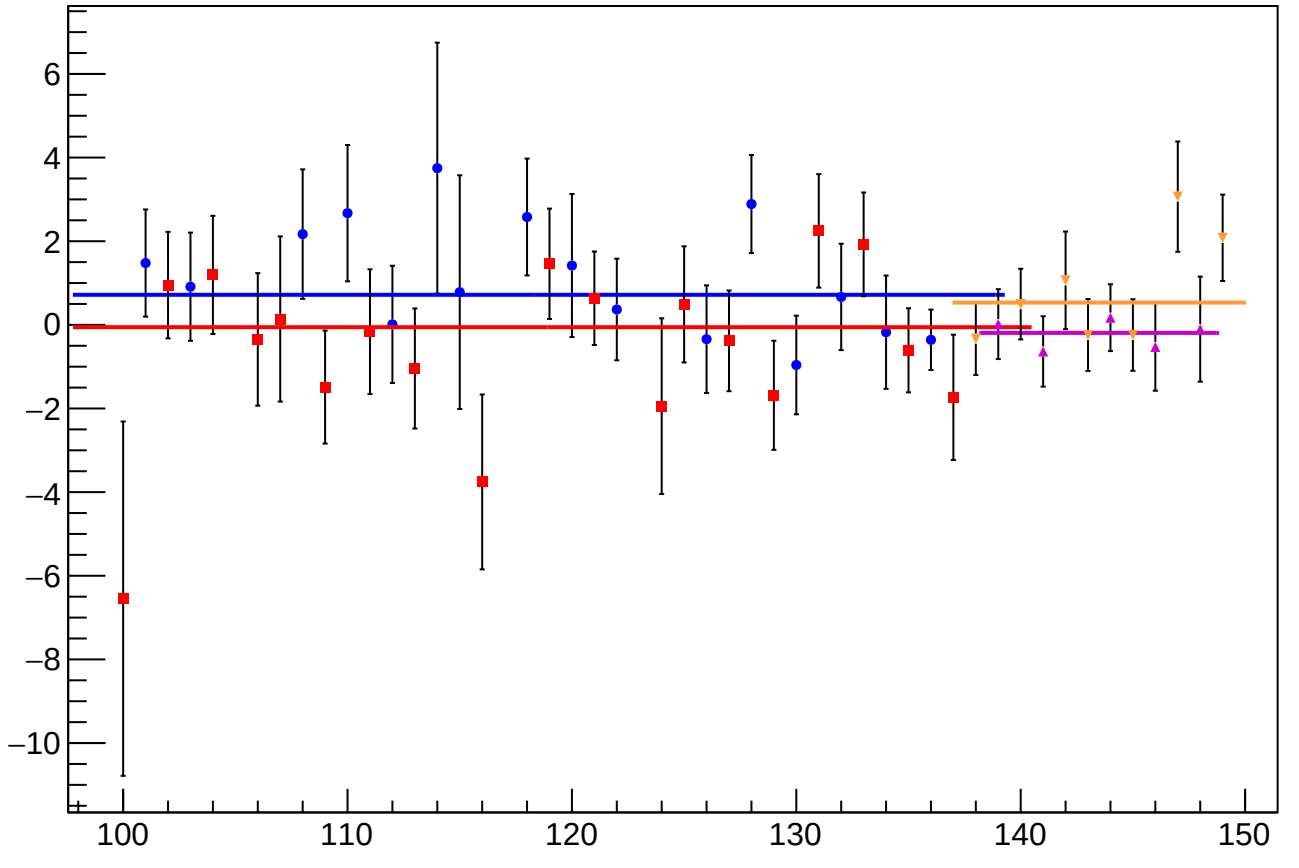
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

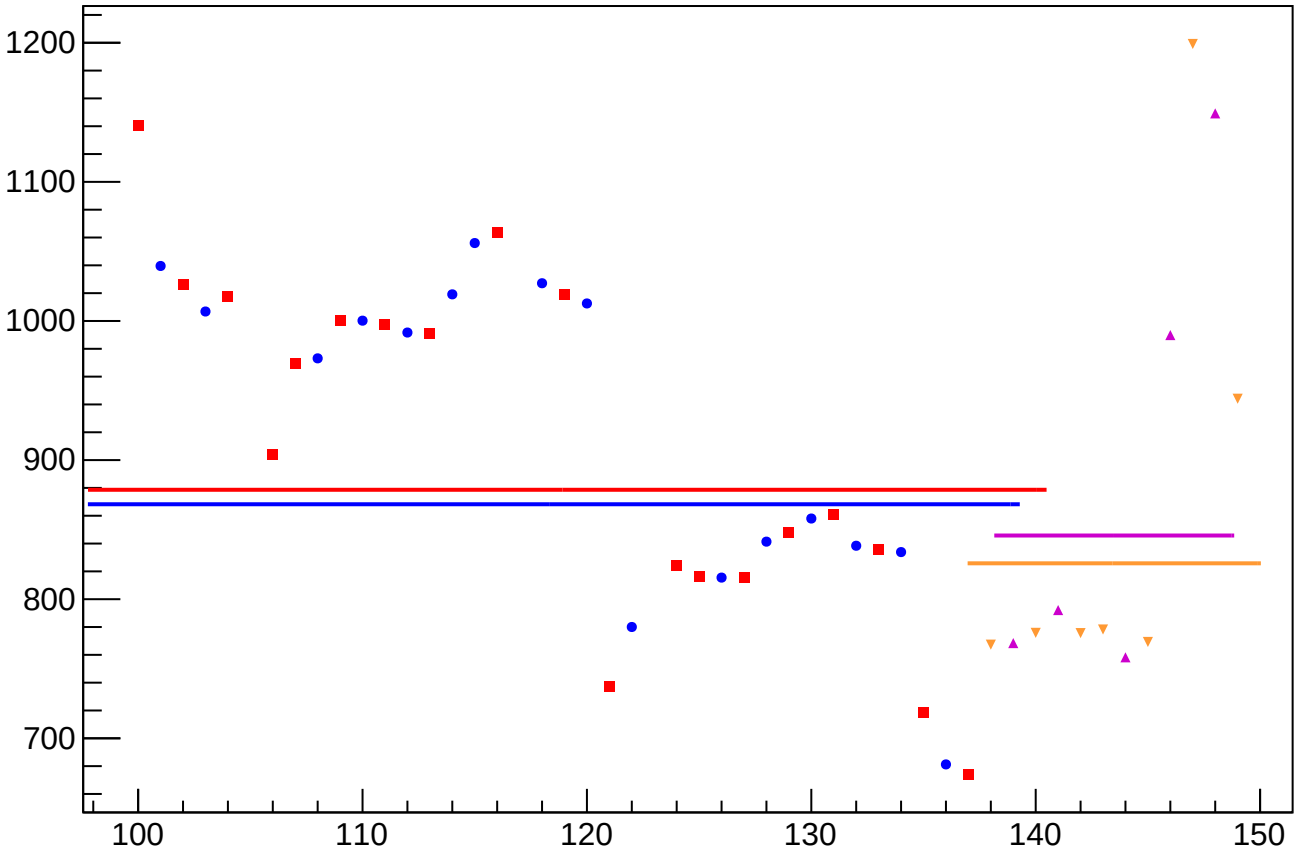
In: -4.898+/-2.178 χ^2/NDF:13.1/20

Out: -0.794+/-2.030 χ^2/NDF:28.7/25

All: -2.702+/-1.485 χ^2/NDF: 43.7/46


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: 6654.073+/-2.065 χ²/NDF:243901.8/6
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6604.994+/-2.321 χ²/NDF:445892.6/4
Left: 6632.387+/-1.543 χ²/NDF: 690043.9/11
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7147.105+/-1.540 χ²/NDF:1440883.0/20
Out: 7074.500+/-1.436 χ²/NDF:1152419.6/25
All: 7108.261+/-1.050 χ²/NDF: 2594491.9/46


diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
−10
100
110
120
130
140
150
Right In: 0.719+/-0.326 χ²/NDF: 14.8/15
Left Out: 0.533+/-0.361 χ²/NDF:8.8/6
Right Out: -0.056+/-0.323 χ²/NDF: 19.8/18
Left In: -0.193+/-0.410 χ²/NDF:0.7/4
Left: 0.216+/-0.271 χ²/NDF: 11.2/11
Right: 0.329+/-0.230 χ²/NDF: 37.4/34
In: 0.366+/-0.255 χ²/NDF:18.5/20
Out: 0.207+/-0.241 χ²/NDF:30.0/25
All: 0.282+/-0.175 χ²/NDF: 48.7/46



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 825.797+/-0.255 χ^2/NDF:221072.2/6

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 845.784+/-0.290 χ^2/NDF:203847.9/4

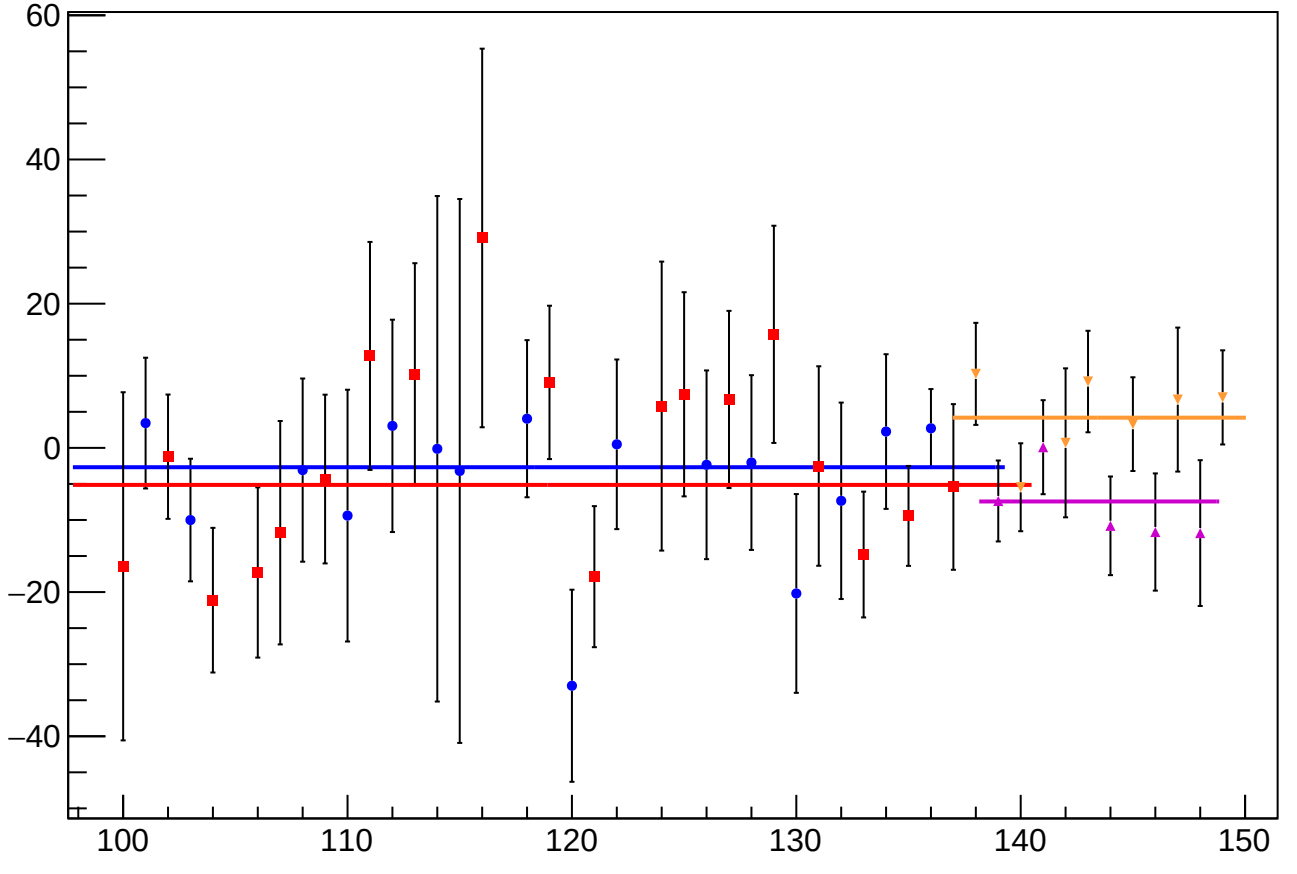
Left: 834.523+/-0.191 χ^2/NDF: 427600.5/11

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 859.547+/-0.180 χ^2/NDF:509940.3/20

Out: 855.107+/-0.170 χ^2/NDF:517414.7/25

All: 857.199+/-0.124 χ^2/NDF: 1027675.4/46



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.190+/-2.736 χ^2/NDF:4.1/6

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -7.433+/-3.138 χ^2/NDF:2.0/4

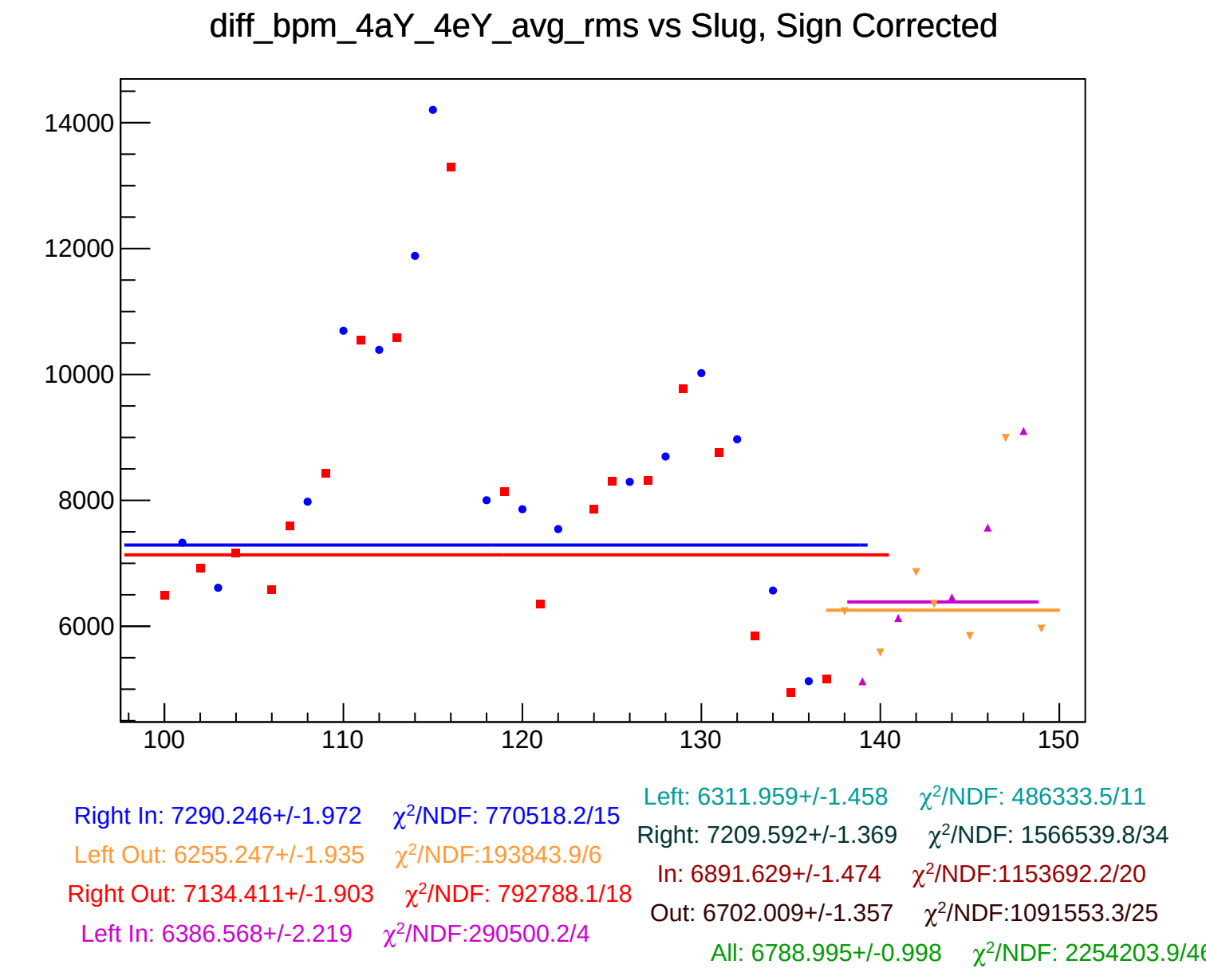
Left: -0.830+/-2.062 χ^2/NDF: 14.0/11

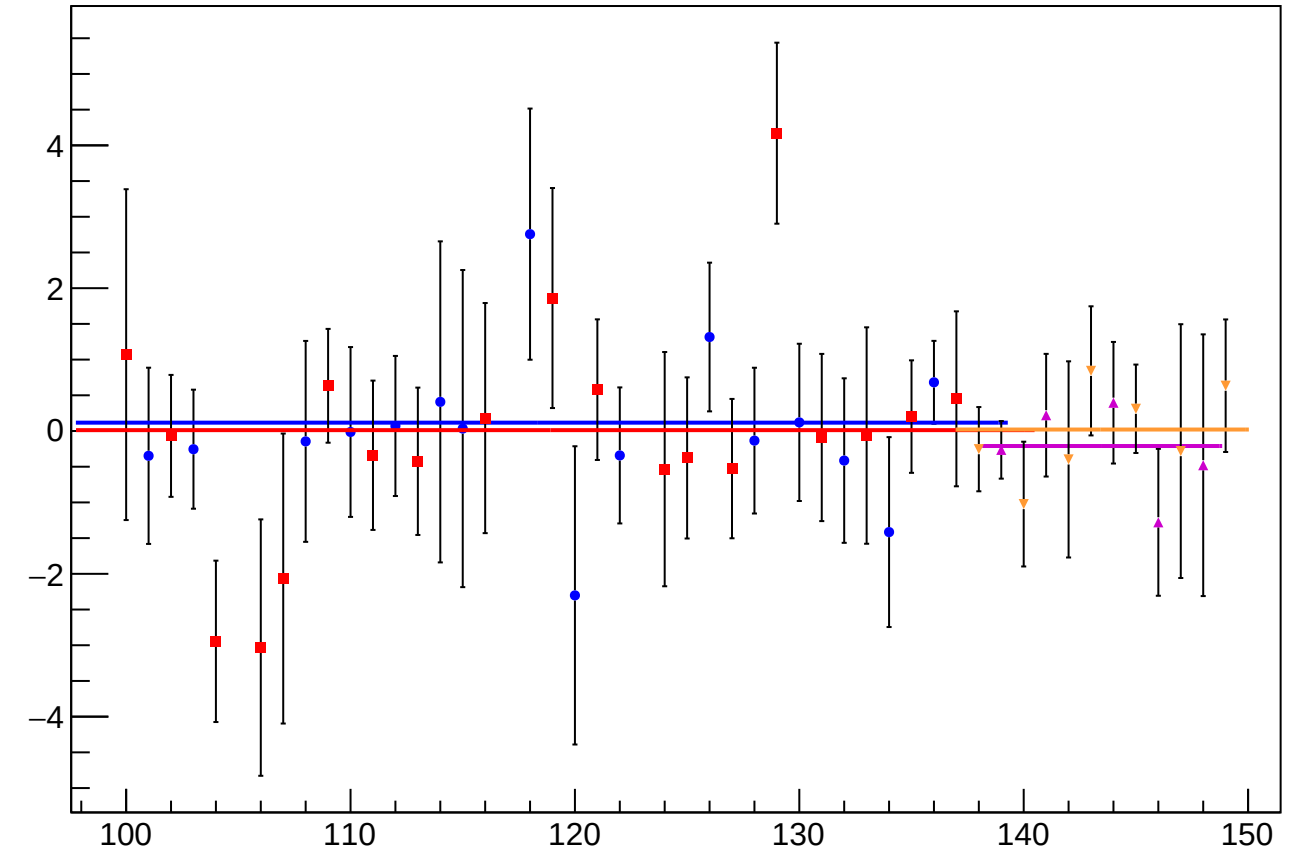
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -4.778+/-2.084 χ^2/NDF:13.4/20

Out: -0.549+/-1.919 χ^2/NDF:27.3/25

All: -2.489+/-1.412 χ^2/NDF: 42.9/46


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6255.247+/-1.935 χ²/NDF:193843.9/6
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6386.568+/-2.219 χ²/NDF:290500.2/4
Left: 6311.959+/-1.458 χ²/NDF: 486333.5/11
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6891.629+/-1.474 χ²/NDF:1153692.2/20
Out: 6702.009+/-1.357 χ²/NDF:1091553.3/25
All: 6788.995+/-0.998 χ²/NDF: 2254203.9/46



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.021+/-0.316 χ^2/NDF:3.3/6

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: -0.095+/-0.223 χ^2/NDF: 5.4/11

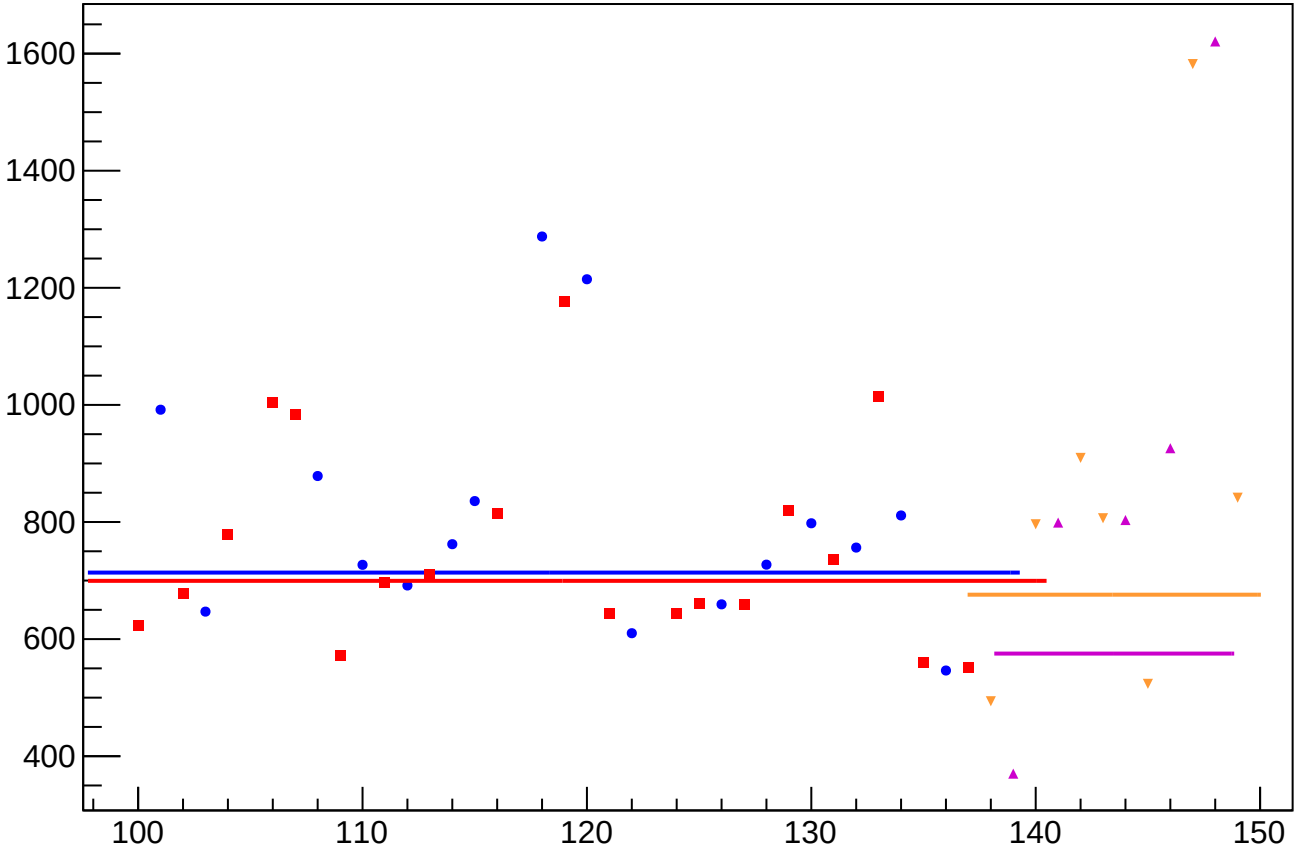
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: -0.024+/-0.206 χ^2/NDF:10.6/20

Out: 0.016+/-0.202 χ^2/NDF:28.4/25

All: -0.004+/-0.144 χ^2/NDF: 39.0/46

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 675.853+/-0.223 χ^2/NDF:1032874.4/6

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 575.273+/-0.222 χ^2/NDF:1680035.8/4

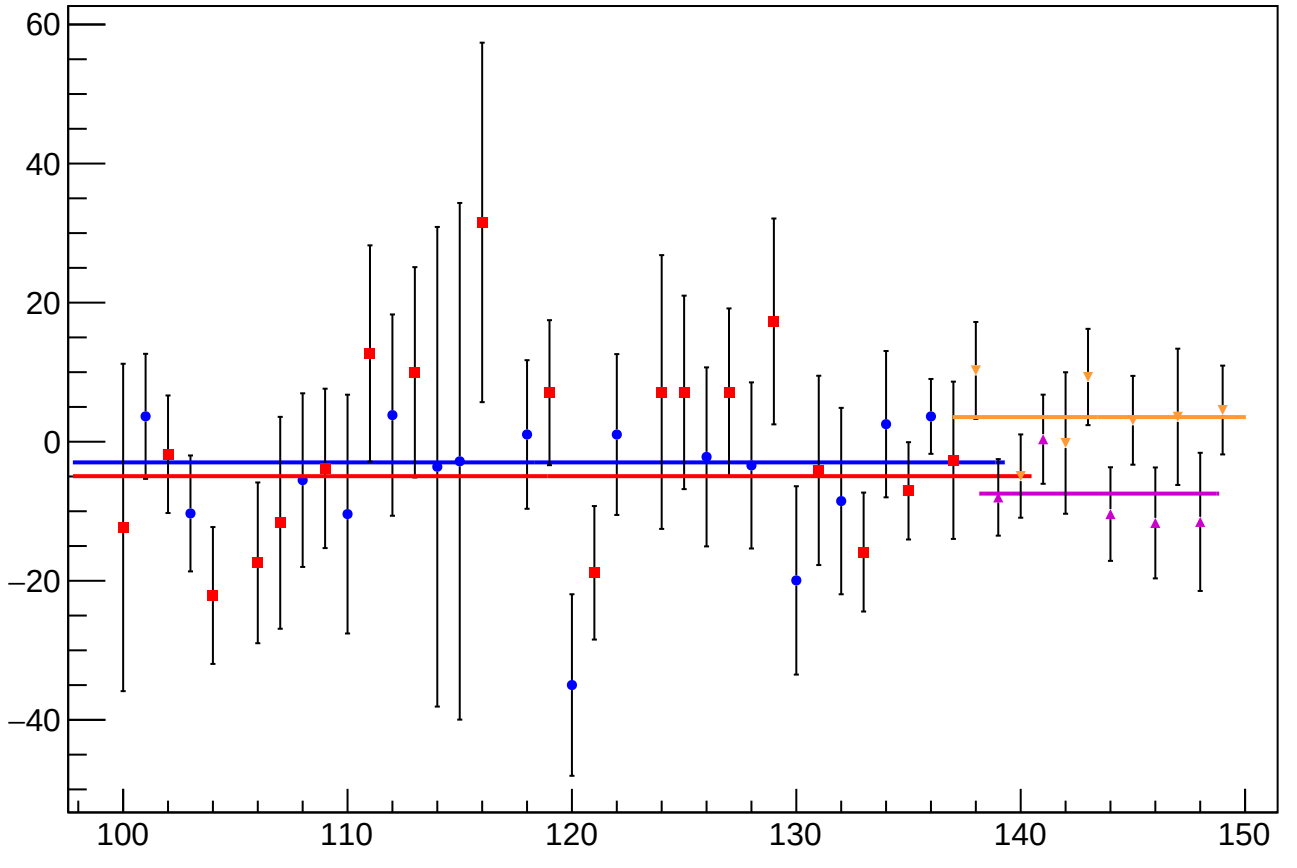
Left: 625.309+/-0.158 χ^2/NDF: 2814841.8/11

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 654.078+/-0.146 χ^2/NDF:2600169.9/20

Out: 689.809+/-0.143 χ^2/NDF:1615252.2/25

All: 672.290+/-0.102 χ^2/NDF: 4246045.3/46



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.541+/-2.688 χ^2/NDF:3.8/6

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -7.462+/-3.082 χ^2/NDF:2.1/4

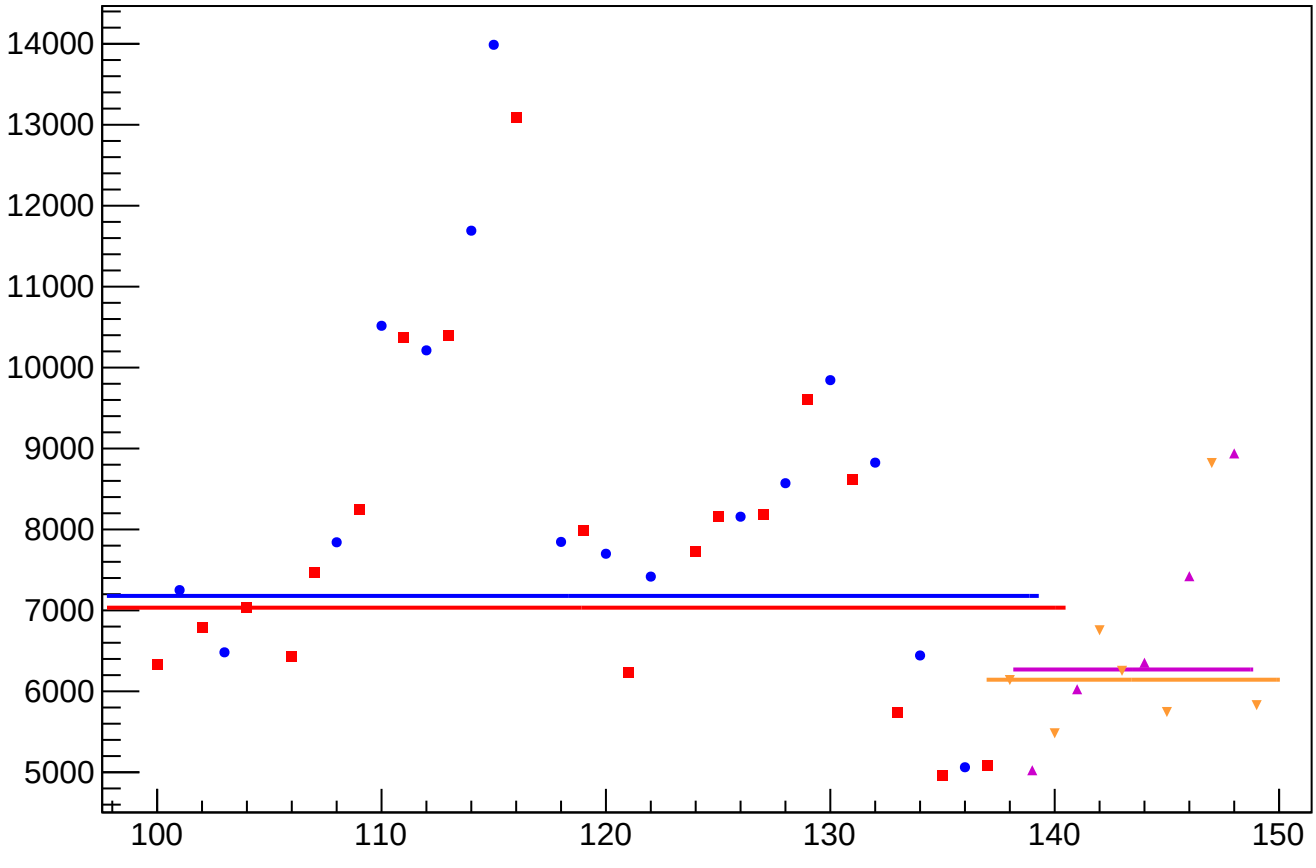
Left: -1.212+/-2.026 χ^2/NDF: 13.2/11

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -4.960+/-2.050 χ^2/NDF:14.9/20

Out: -0.762+/-1.888 χ^2/NDF:27.3/25

All: -2.688+/-1.389 χ^2/NDF: 44.5/46



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6143.519+/-1.900 χ^2/NDF:194072.6/6

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6269.737+/-2.179 χ^2/NDF:291685.4/4

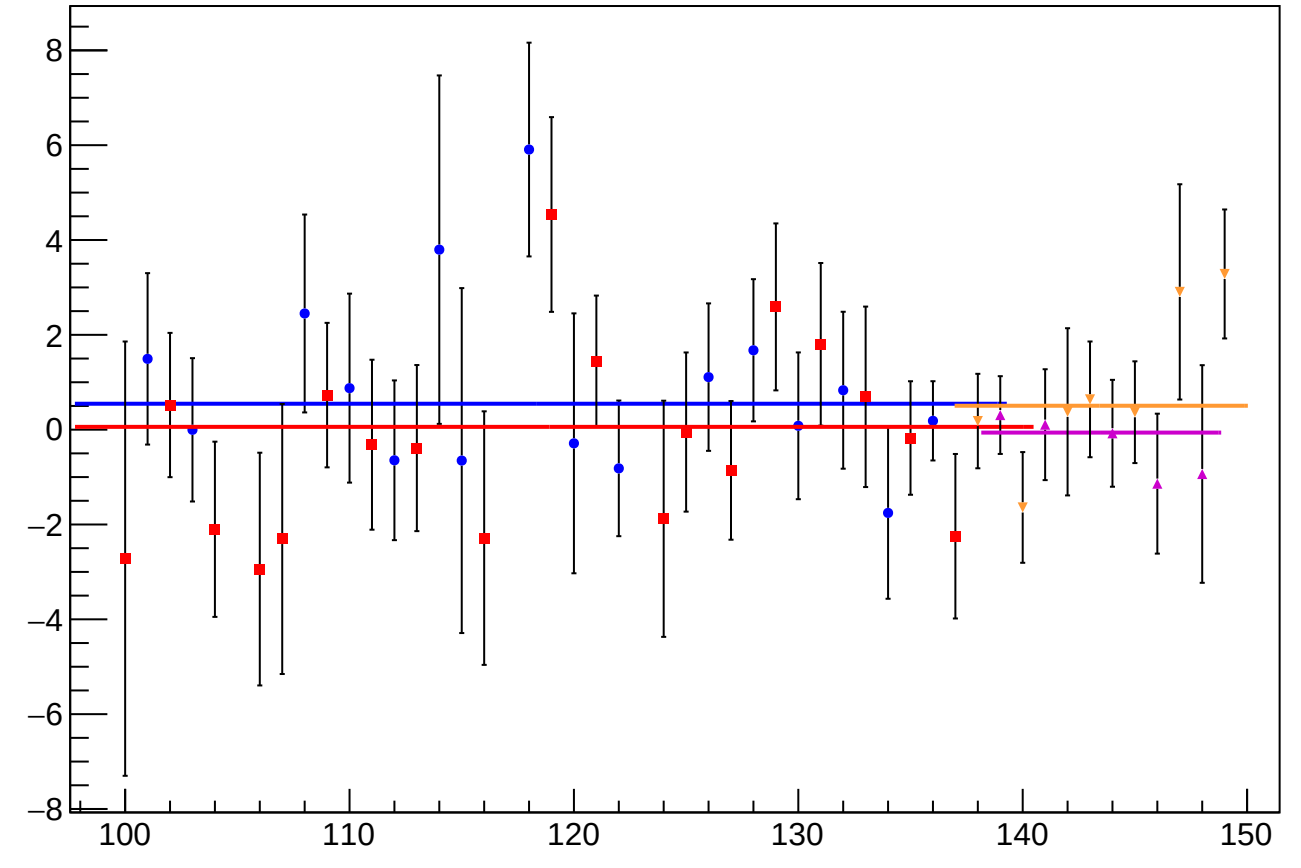
Left: 6198.040+/-1.432 χ^2/NDF: 487663.3/11

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6776.569+/-1.450 χ^2/NDF:1150645.3/20

Out: 6594.268+/-1.335 χ^2/NDF:1071538.5/25

All: 6677.926+/-0.982 χ^2/NDF: 2230739.5/46



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.505+/-0.480 χ^2/NDF:8.8/6

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.062+/-0.523 χ^2/NDF:0.9/4

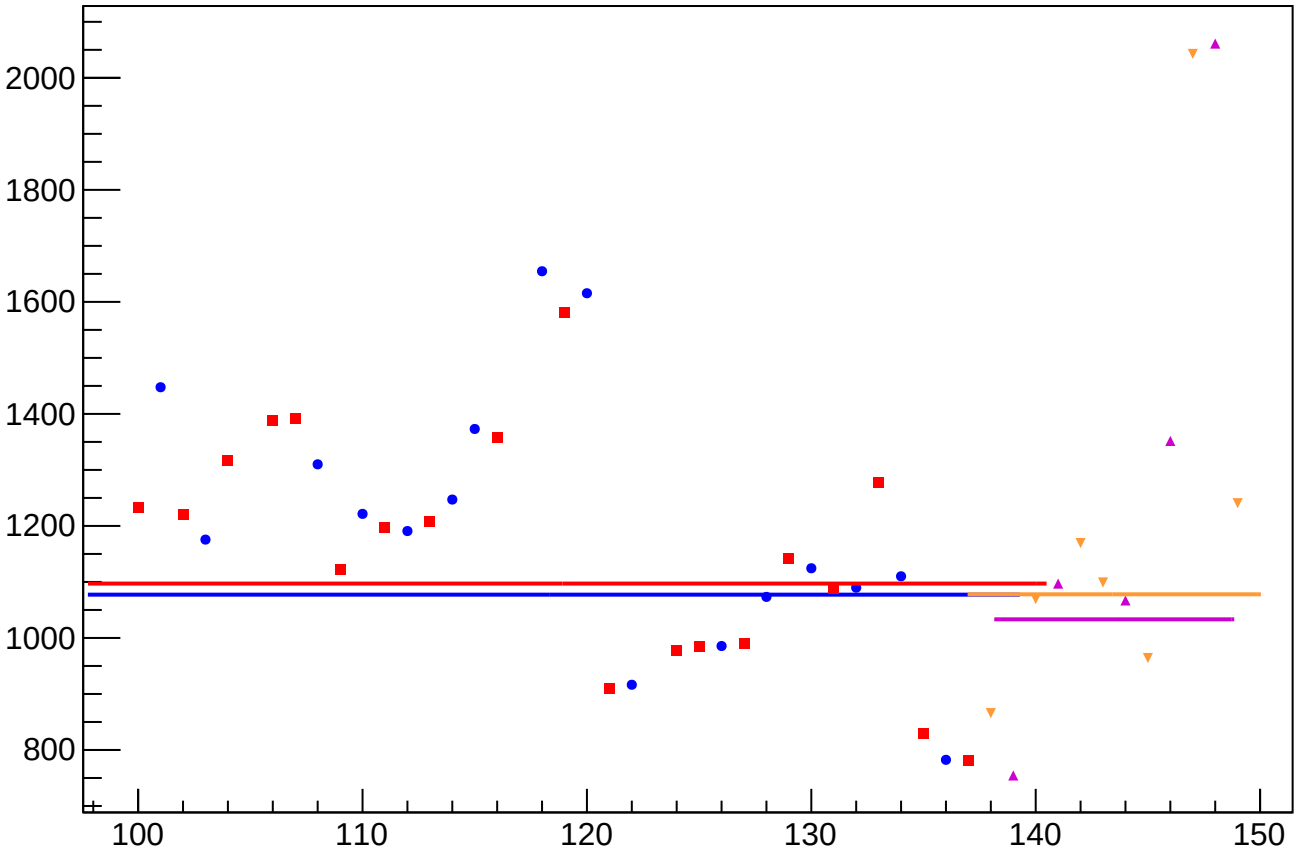
Left: 0.246+/-0.354 χ^2/NDF: 10.3/11

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.315+/-0.323 χ^2/NDF:13.7/20

Out: 0.246+/-0.311 χ^2/NDF:26.2/25

All: 0.279+/-0.224 χ^2/NDF: 39.9/46



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1077.925+/-0.340 χ^2/NDF:509058.3/6

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1033.264+/-0.370 χ^2/NDF:733230.1/4

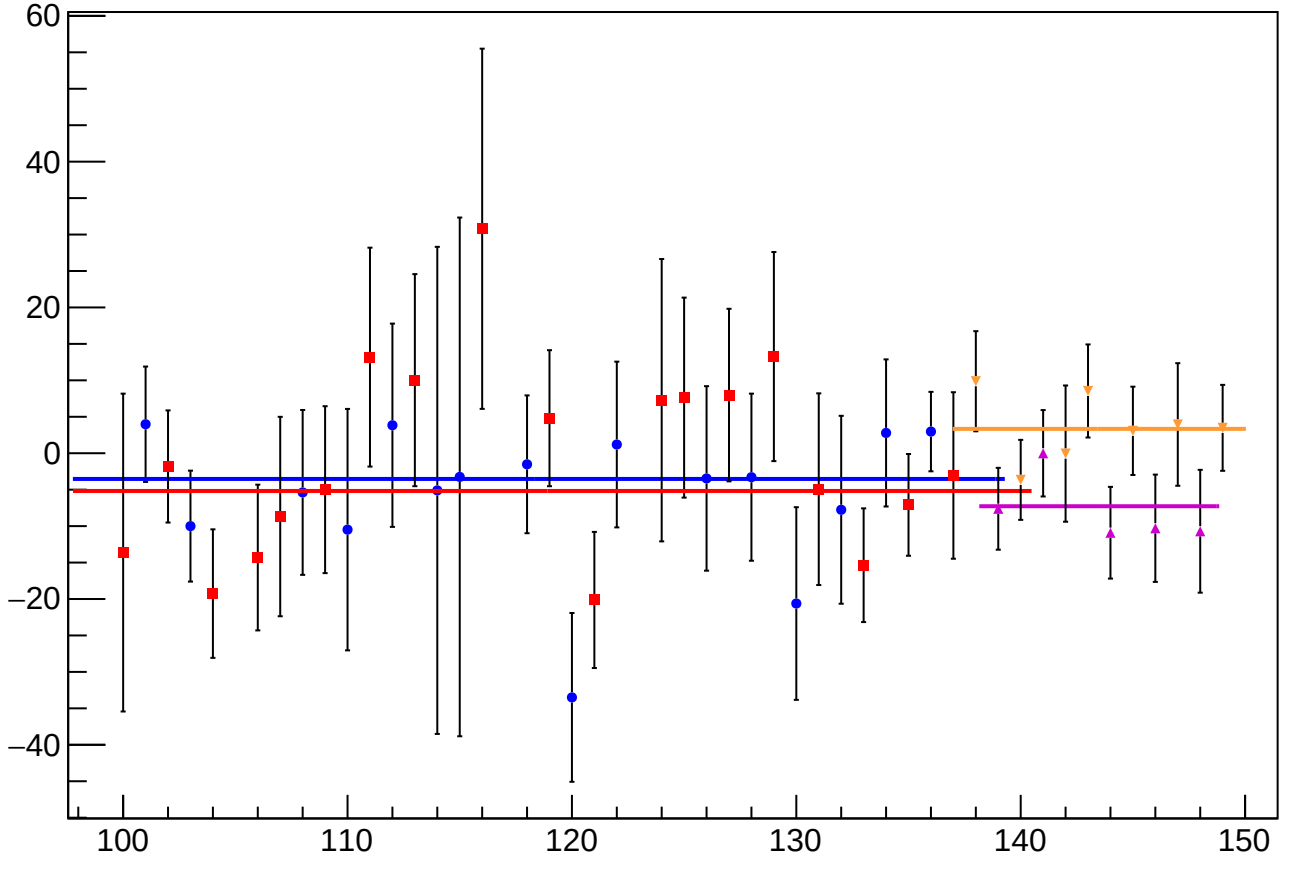
Left: 1057.502+/-0.250 χ^2/NDF: 1250200.5/11

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1060.501+/-0.228 χ^2/NDF:1388519.8/20

Out: 1089.045+/-0.220 χ^2/NDF:995279.5/25

All: 1075.305+/-0.159 χ^2/NDF: 2391894.3/46



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.343+/-2.496 χ^2/NDF:3.3/6

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -7.272+/-2.911 χ^2/NDF:2.2/4

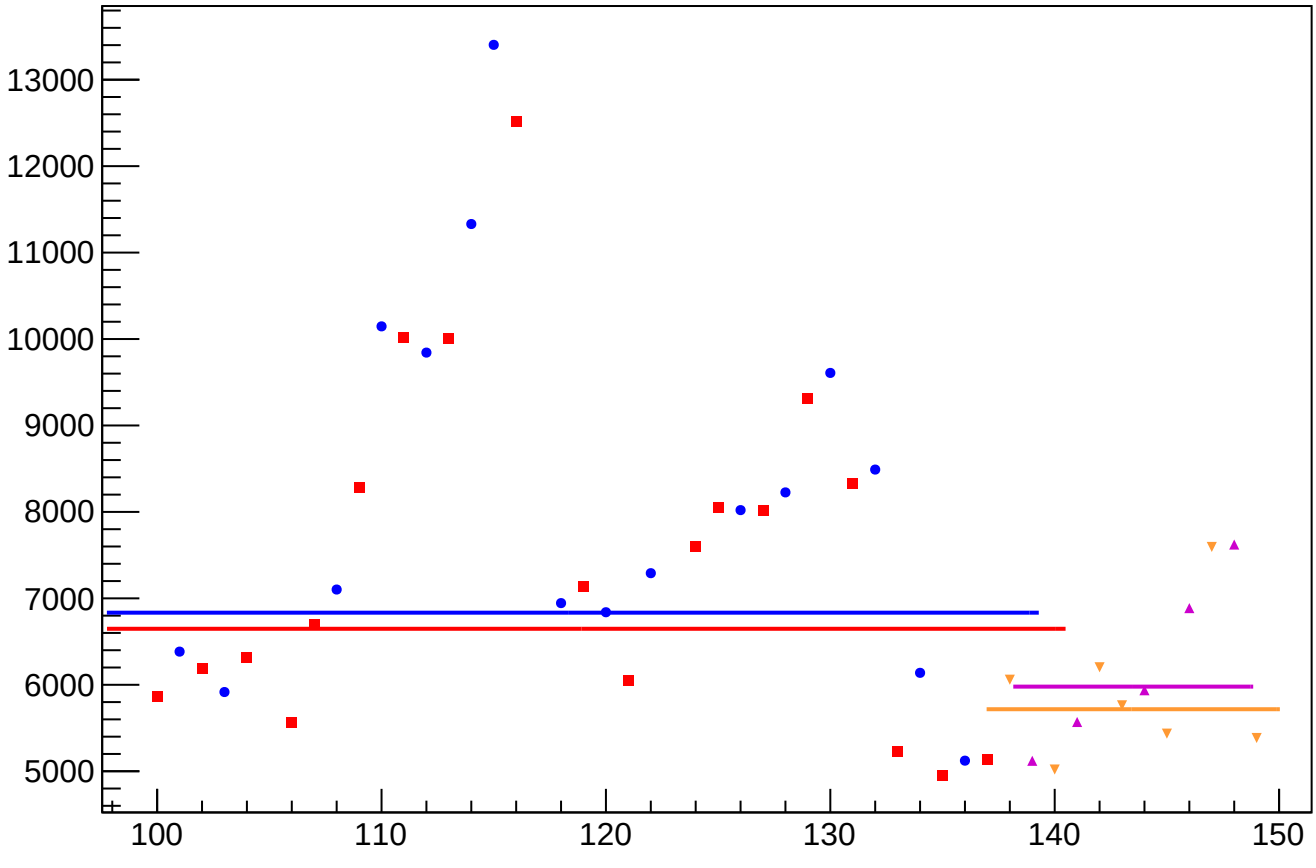
Left: -1.153+/-1.895 χ^2/NDF: 13.2/11

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -5.195+/-1.943 χ^2/NDF:15.7/20

Out: -0.896+/-1.769 χ^2/NDF:27.3/25

All: -2.844+/-1.308 χ^2/NDF: 45.7/46



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5717.424+/-1.765 χ^2/NDF:153135.6/6

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5978.891+/-2.058 χ^2/NDF:162884.4/4

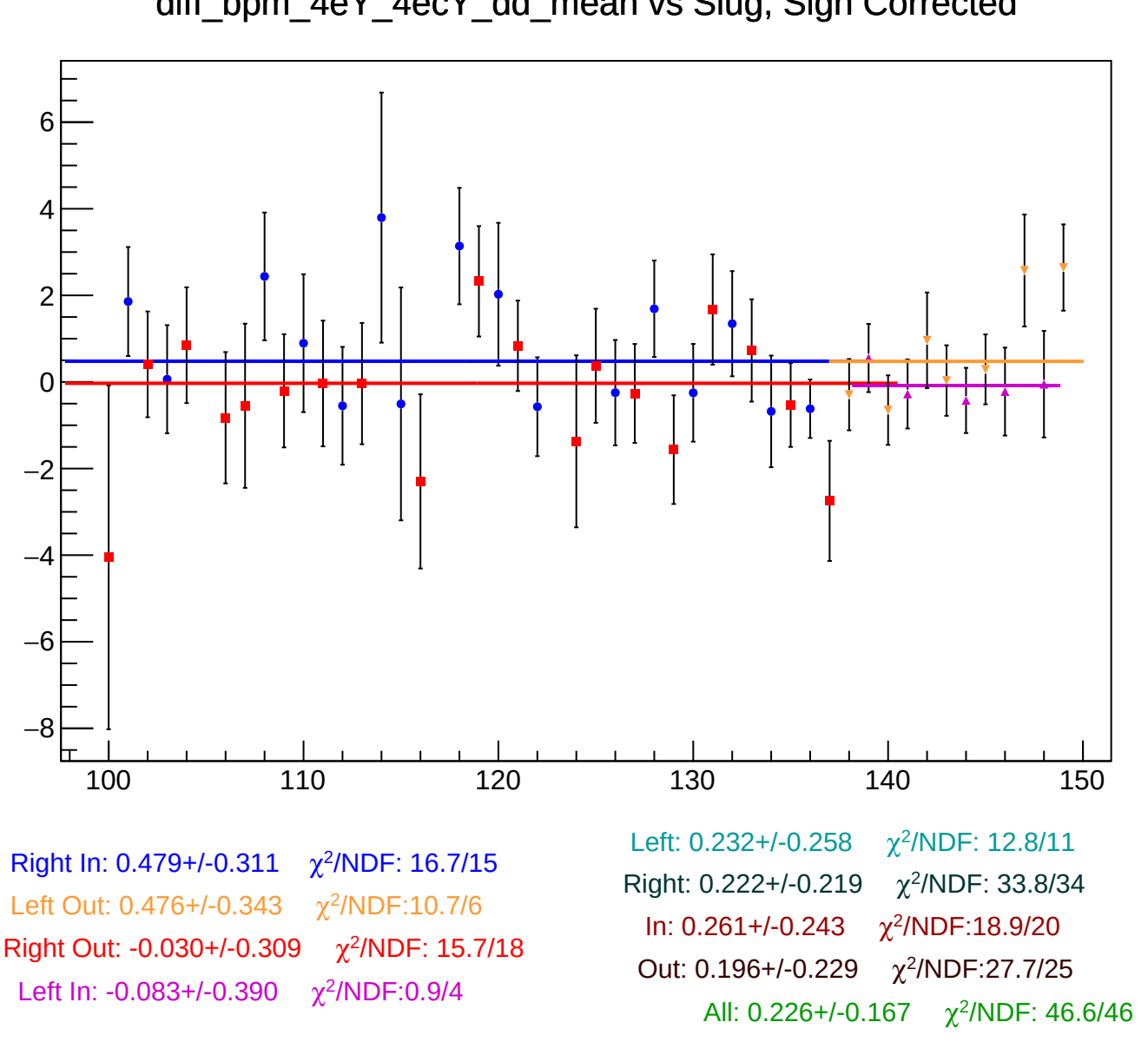
Left: 5828.182+/-1.340 χ^2/NDF: 325319.6/11

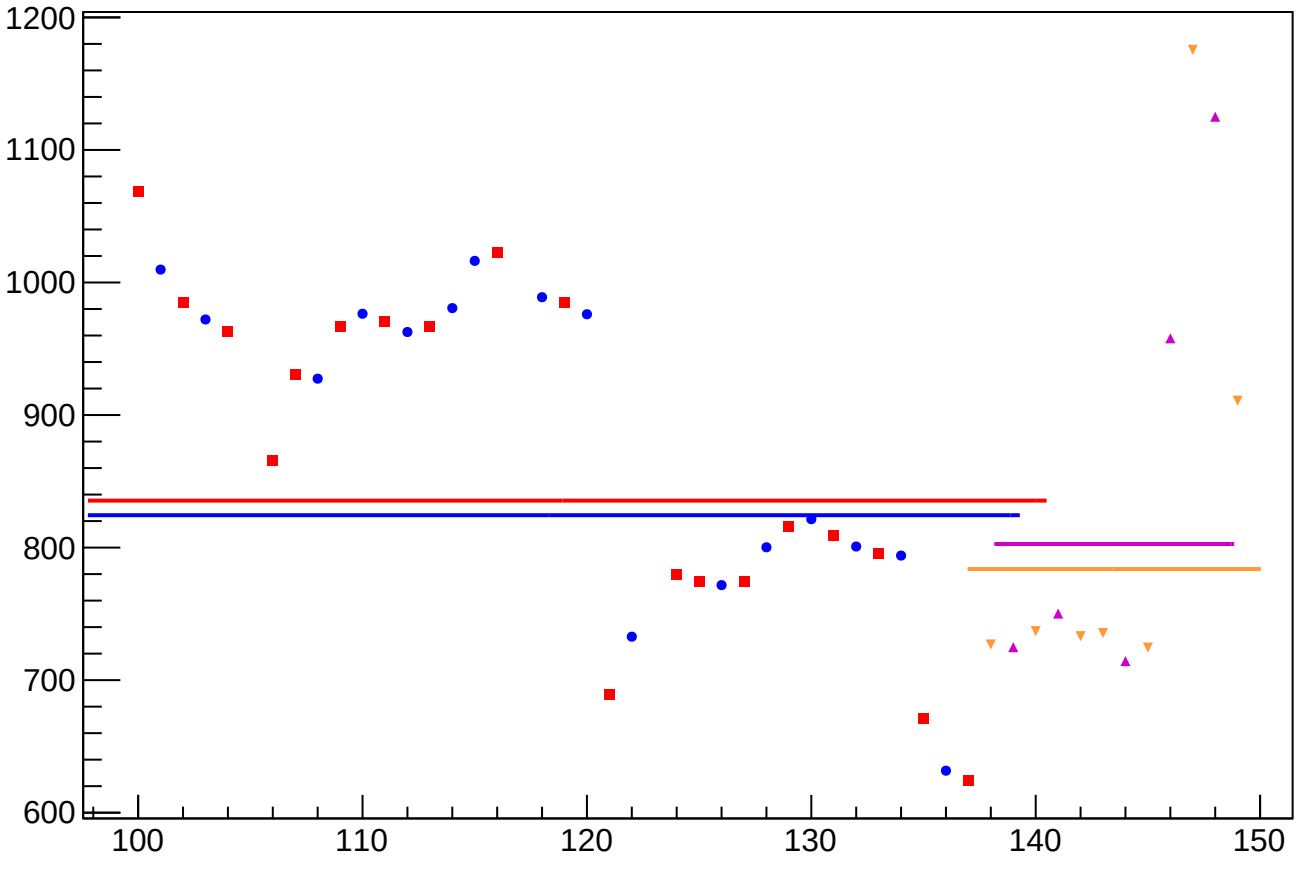
Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6453.438+/-1.374 χ^2/NDF:951410.7/20

Out: 6180.418+/-1.251 χ^2/NDF:1076593.2/25

All: 6304.190+/-0.925 χ^2/NDF: 2049600.3/46


diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.479+/-0.311 χ²/NDF: 16.7/15
Left Out: 0.476+/-0.343 χ²/NDF:10.7/6
Right Out: -0.030+/-0.309 χ²/NDF: 15.7/18
Left In: -0.083+/-0.390 χ²/NDF:0.9/4
Left: 0.232+/-0.258 χ²/NDF: 12.8/11
Right: 0.222+/-0.219 χ²/NDF: 33.8/34
In: 0.261+/-0.243 χ²/NDF:18.9/20
Out: 0.196+/-0.229 χ²/NDF:27.7/25
All: 0.226+/-0.167 χ²/NDF: 46.6/46



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 783.820+/-0.243 χ^2/NDF:254443.2/6

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 802.712+/-0.276 χ^2/NDF:239908.8/4

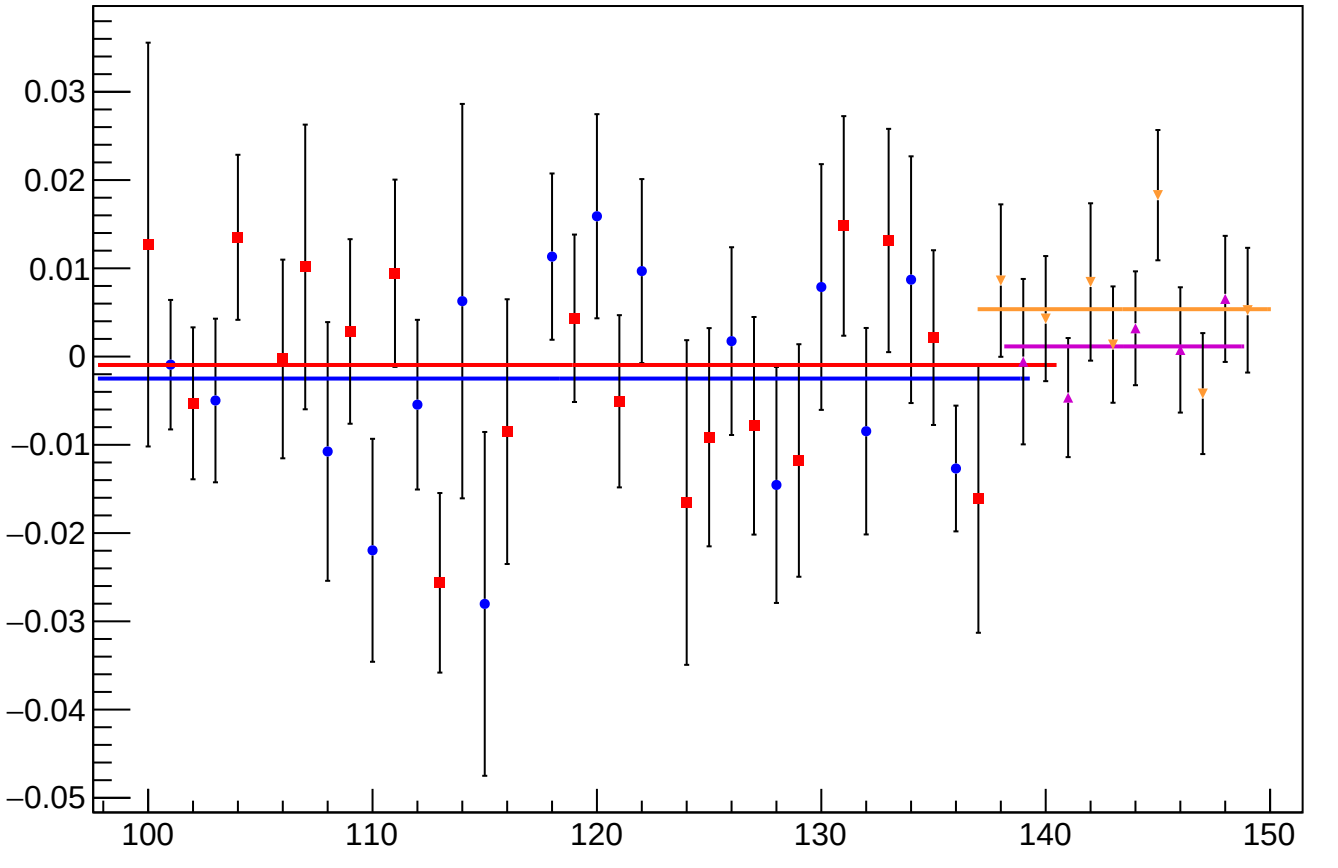
Left: 792.064+/-0.182 χ^2/NDF: 496999.1/11

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 815.991+/-0.172 χ^2/NDF:609165.7/20

Out: 812.353+/-0.162 χ^2/NDF:598777.8/25

All: 814.067+/-0.118 χ^2/NDF: 1208180.7/46



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.003 χ^2/NDF:5.7/6

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: 0.004+/-0.002 χ^2/NDF: 8.1/11

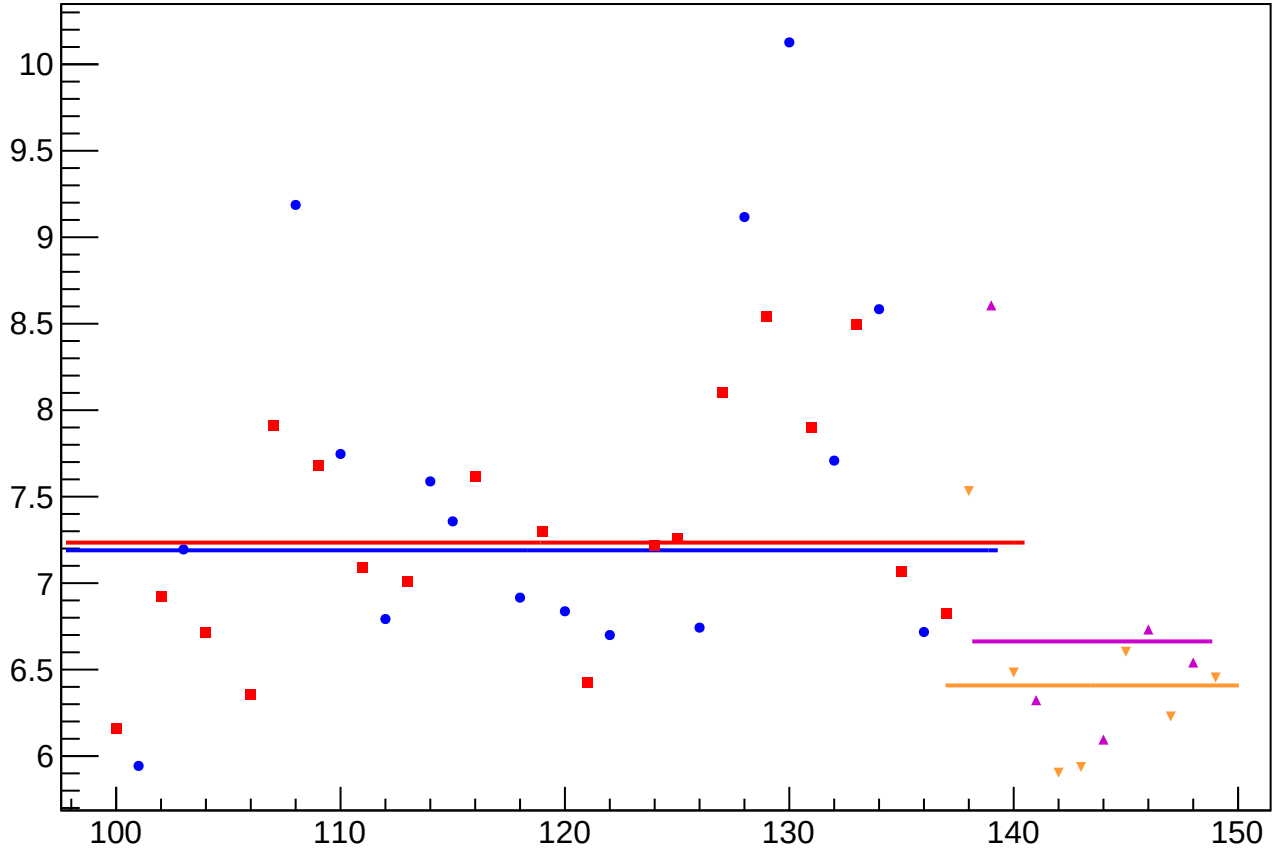
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:17.5/20

Out: 0.002+/-0.002 χ^2/NDF:25.6/25

All: 0.001+/-0.001 χ^2/NDF: 44.3/46

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.408+/-0.002 χ^2/NDF:53566.3/6

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.663+/-0.002 χ^2/NDF:107305.6/4

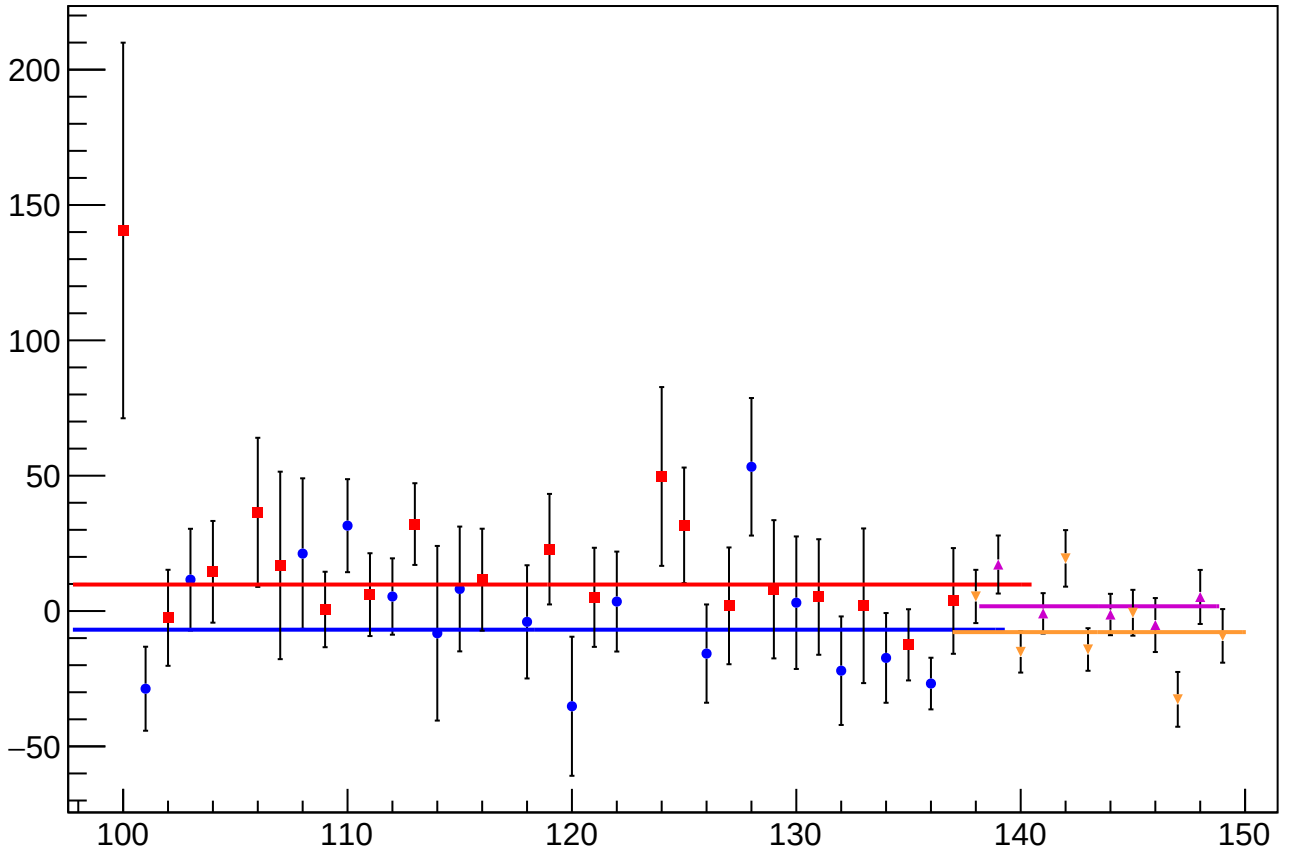
Left: 6.518+/-0.001 χ^2/NDF: 168032.3/11

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 6.971+/-0.001 χ^2/NDF:416357.1/20

Out: 6.841+/-0.001 χ^2/NDF:251738.5/25

All: 6.901+/-0.001 χ^2/NDF: 672316.8/46



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -7.787+/-3.396 χ^2/NDF:16.9/6

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.760+/-3.956 χ^2/NDF:3.0/4

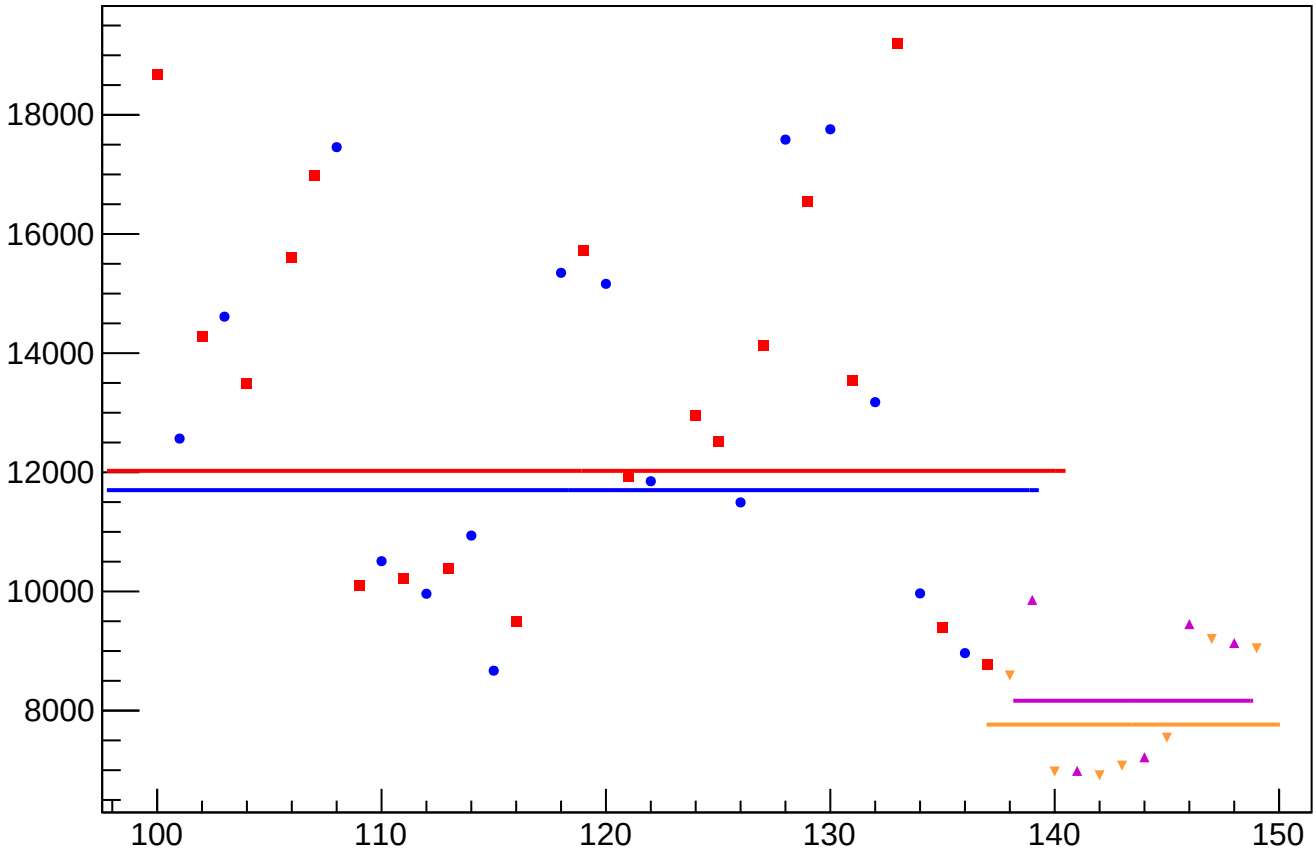
Left: -3.738+/-2.577 χ^2/NDF: 23.2/11

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.022+/-2.968 χ^2/NDF:28.1/20

Out: -1.441+/-2.714 χ^2/NDF:40.6/25

All: -1.706+/-2.003 χ^2/NDF: 68.7/46



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7765.686+/-2.401 χ^2/NDF:139057.5/6

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8165.789+/-2.797 χ^2/NDF:182638.4/4

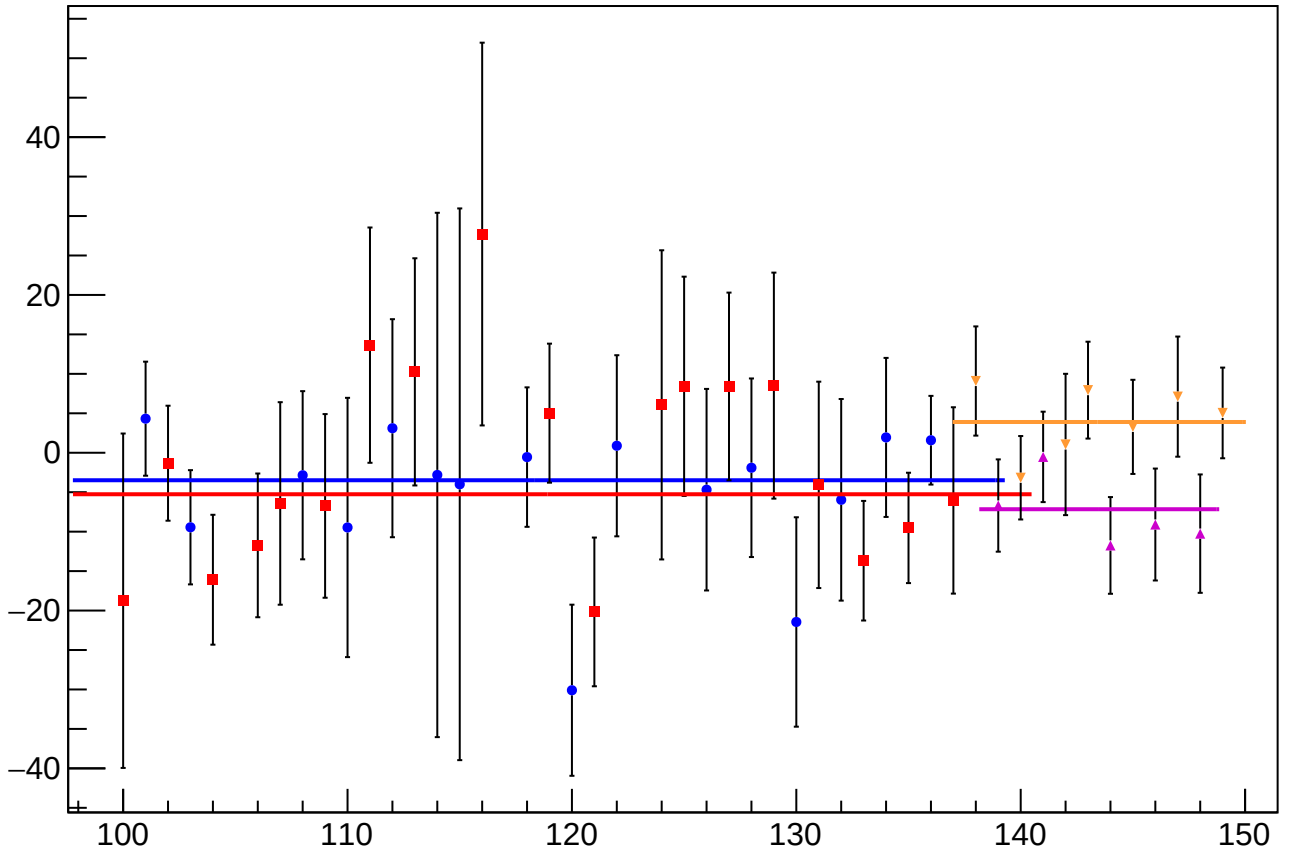
Left: 7935.402+/-1.822 χ^2/NDF: 333474.6/11

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9711.340+/-2.099 χ^2/NDF:1620932.8/20

Out: 9303.144+/-1.919 χ^2/NDF:1959568.0/25

All: 9489.061+/-1.416 χ^2/NDF: 3601102.8/46



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.898+/-2.416 χ^2/NDF:3.1/6

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -7.157+/-2.840 χ^2/NDF:2.2/4

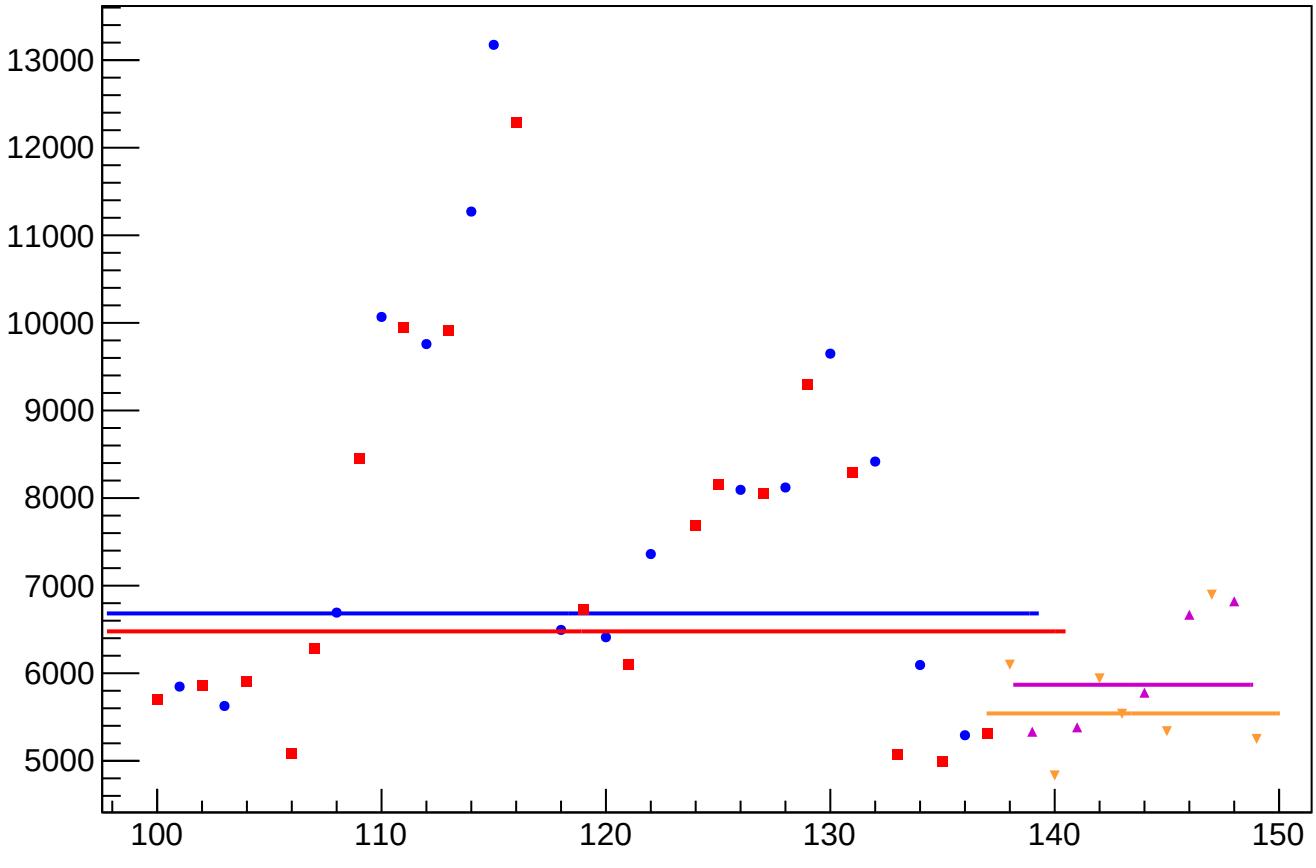
Left: -0.743+/-1.840 χ^2/NDF: 14.1/11

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -5.124+/-1.897 χ^2/NDF:14.6/20

Out: -0.624+/-1.719 χ^2/NDF:26.8/25

All: -2.652+/-1.274 χ^2/NDF: 44.5/46



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5541.323+/-1.708 χ^2/NDF:123653.2/6

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: 5678.646+/-1.301 χ^2/NDF: 228337.1/11

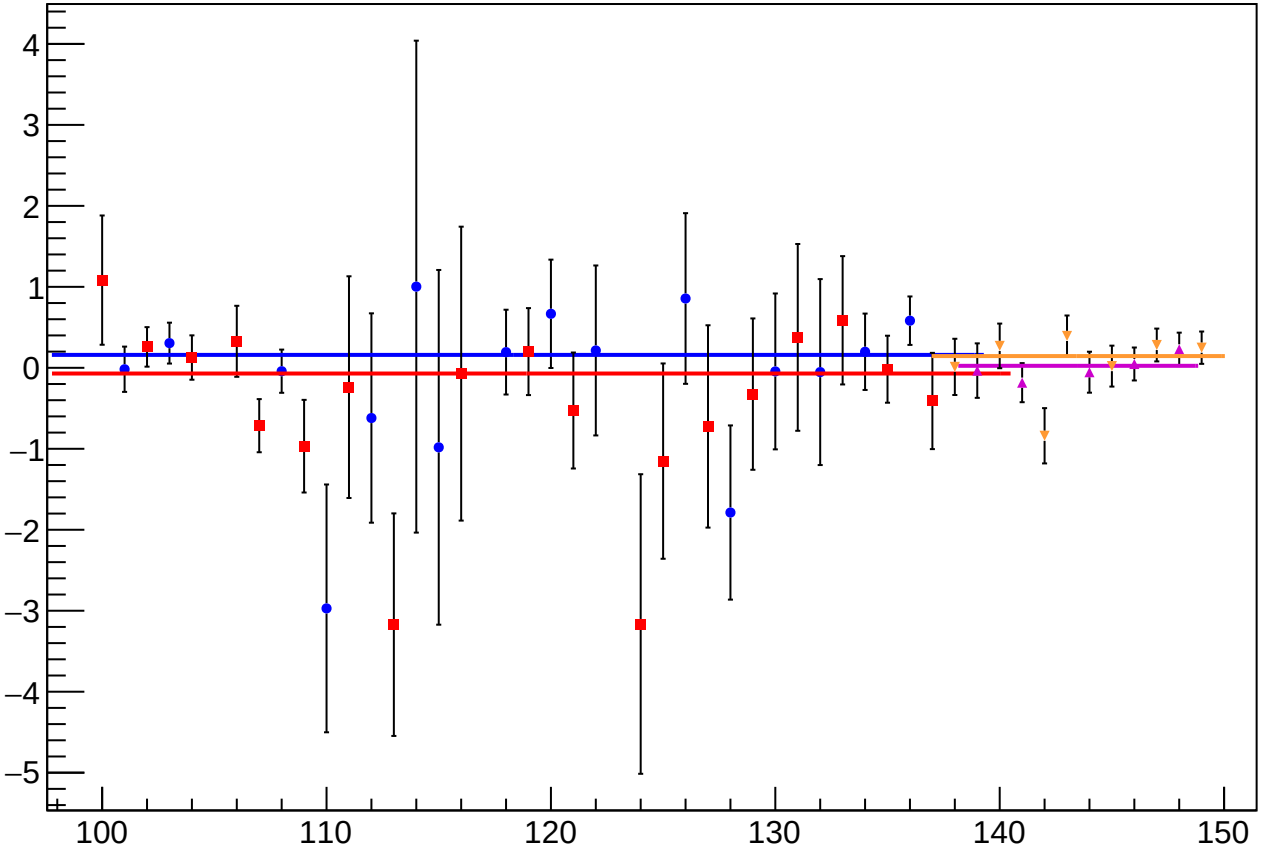
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6319.462+/-1.342 χ^2/NDF:872602.6/20

Out: 6003.900+/-1.216 χ^2/NDF:1111348.3/25

All: 6146.165+/-0.901 χ^2/NDF: 2014335.0/46

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.145+/-0.095 χ^2/NDF:10.6/6

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: 0.091+/-0.071 χ^2/NDF: 13.2/11

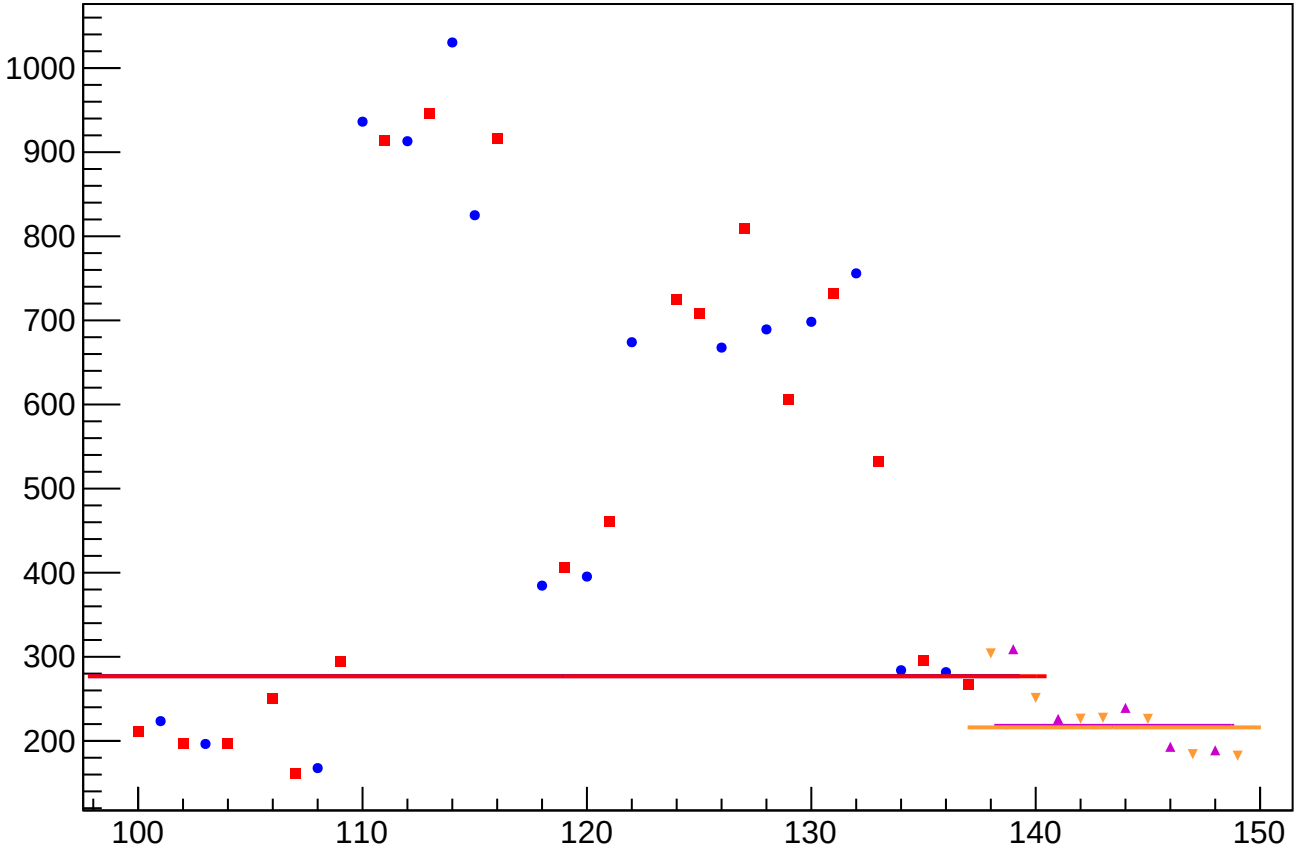
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.084+/-0.079 χ^2/NDF:15.1/20

Out: 0.062+/-0.074 χ^2/NDF:35.0/25

All: 0.072+/-0.054 χ^2/NDF: 50.2/46

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 216.076+/-0.067 χ^2/NDF:276006.5/6

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 217.882+/-0.075 χ^2/NDF:233221.4/4

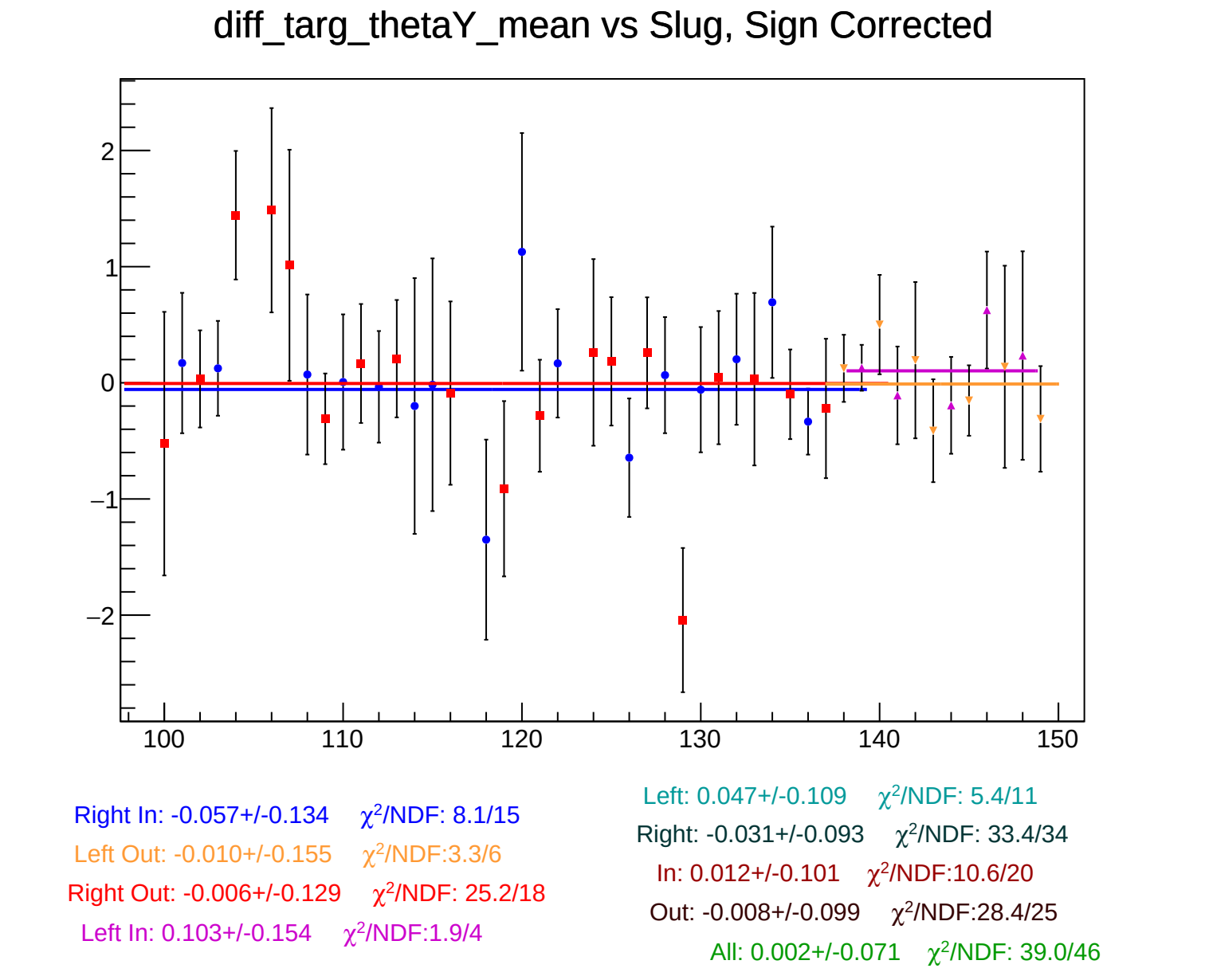
Left: 216.882+/-0.050 χ^2/NDF: 509550.7/11

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

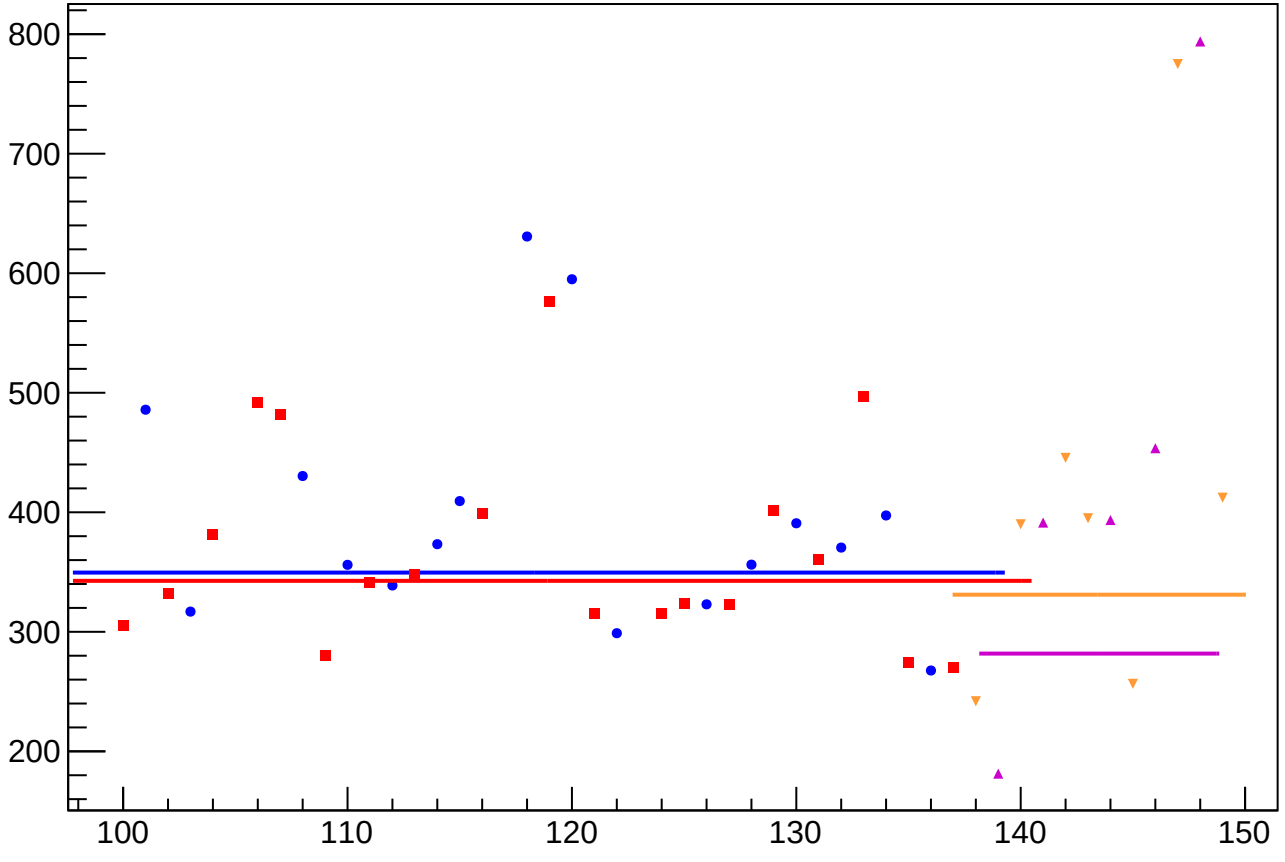
In: 243.848+/-0.056 χ^2/NDF:3958094.2/20

Out: 239.564+/-0.053 χ^2/NDF:4164157.9/25

All: 241.571+/-0.038 χ^2/NDF: 8125358.7/46


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: -0.010+/-0.155 χ²/NDF:3.3/6
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.103+/-0.154 χ²/NDF:1.9/4
Left: 0.047+/-0.109 χ²/NDF: 5.4/11
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: 0.012+/-0.101 χ²/NDF:10.6/20
Out: -0.008+/-0.099 χ²/NDF:28.4/25
All: 0.002+/-0.071 χ²/NDF: 39.0/46

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 331.057+/-0.109 χ^2/NDF:1032874.4/6

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 281.789+/-0.109 χ^2/NDF:1680035.8/4

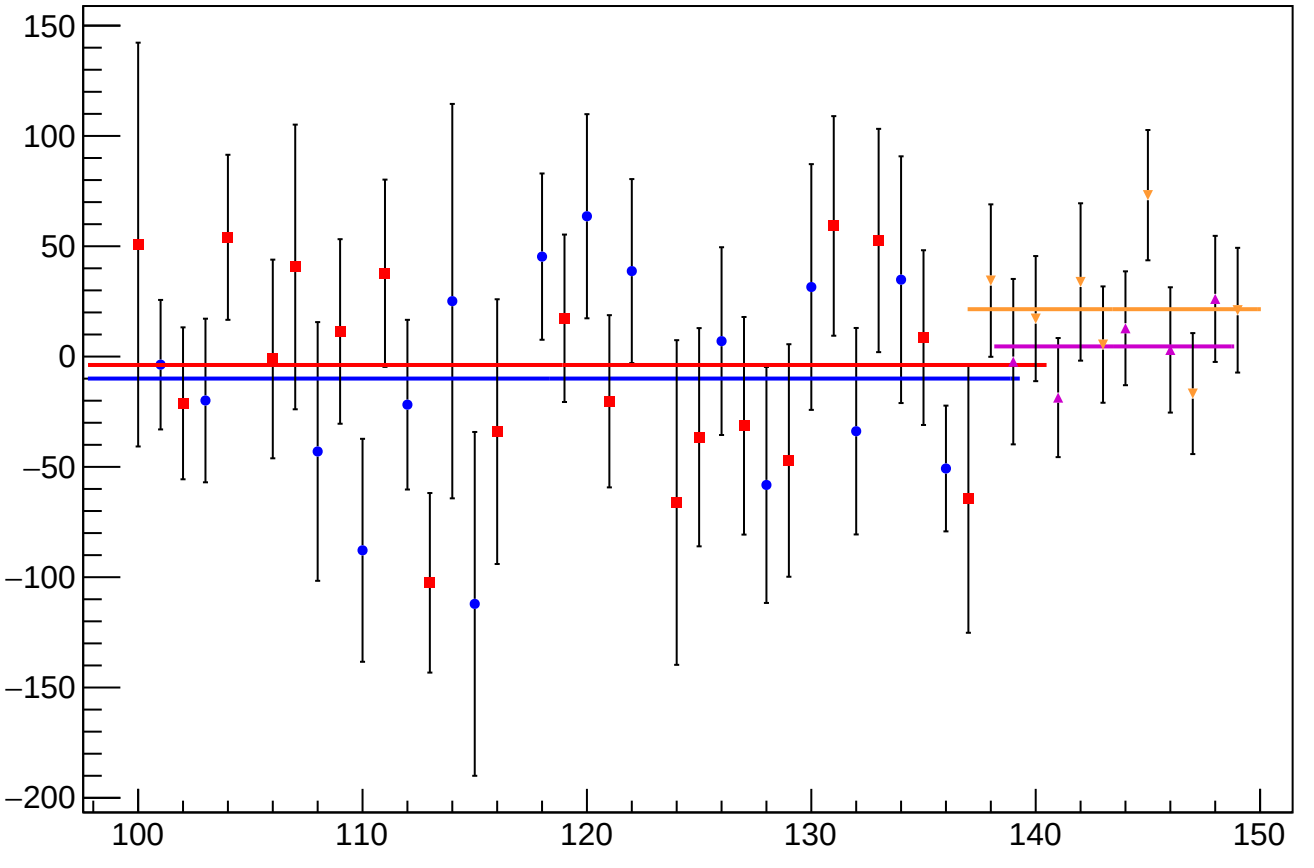
Left: 306.299+/-0.077 χ^2/NDF: 2814841.8/11

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 320.391+/-0.071 χ^2/NDF:2600169.9/20

Out: 337.893+/-0.070 χ^2/NDF:1615252.2/25

All: 329.312+/-0.050 χ^2/NDF: 4246045.3/46



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.473+/-11.156 χ^2/NDF:5.7/6

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: 14.226+/-8.426 χ^2/NDF: 8.1/11

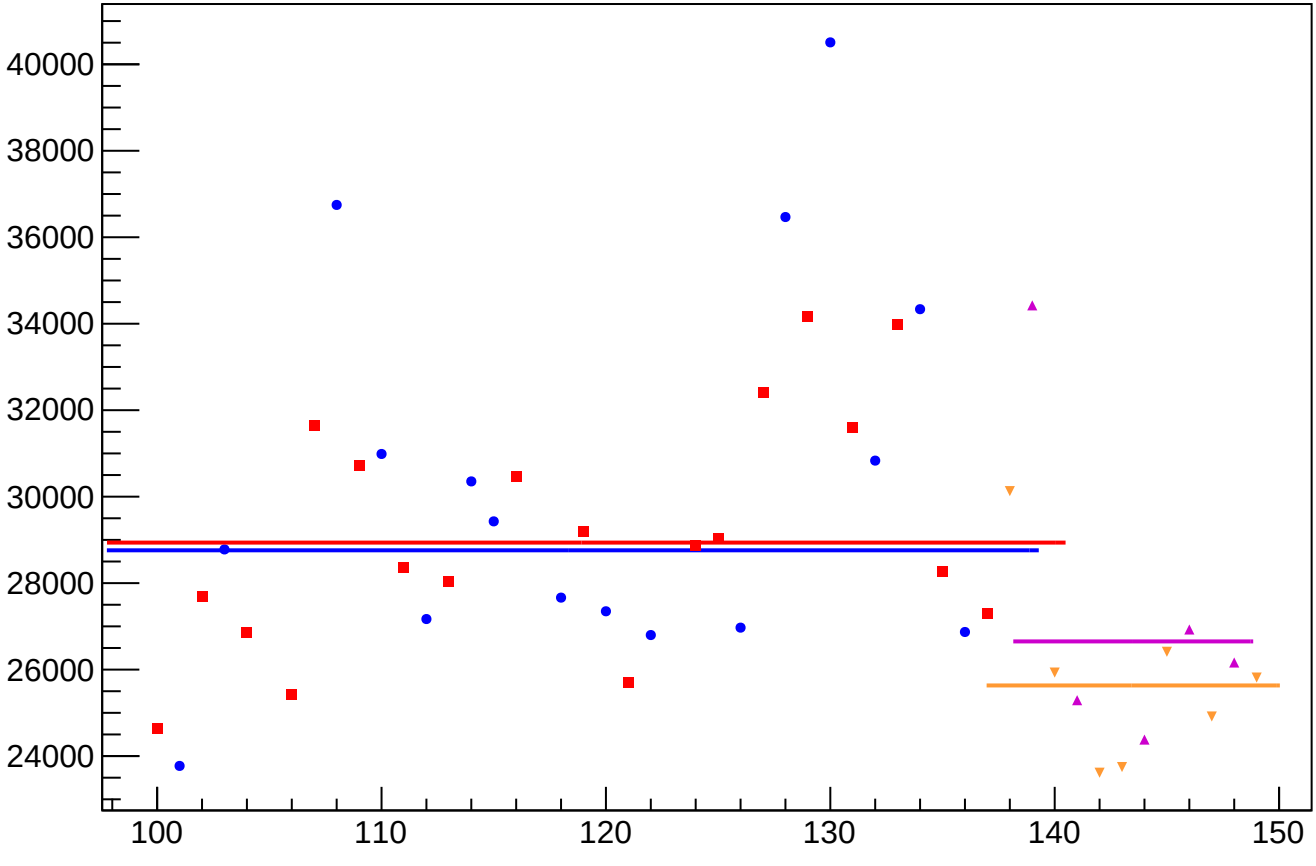
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.917+/-8.286 χ^2/NDF:17.5/20

Out: 8.228+/-7.698 χ^2/NDF:25.6/25

All: 2.601+/-5.640 χ^2/NDF: 44.3/46

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25633.497+/-7.888 χ^2/NDF:53566.3/6

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: 26070.963+/-5.958 χ^2/NDF: 168032.3/11

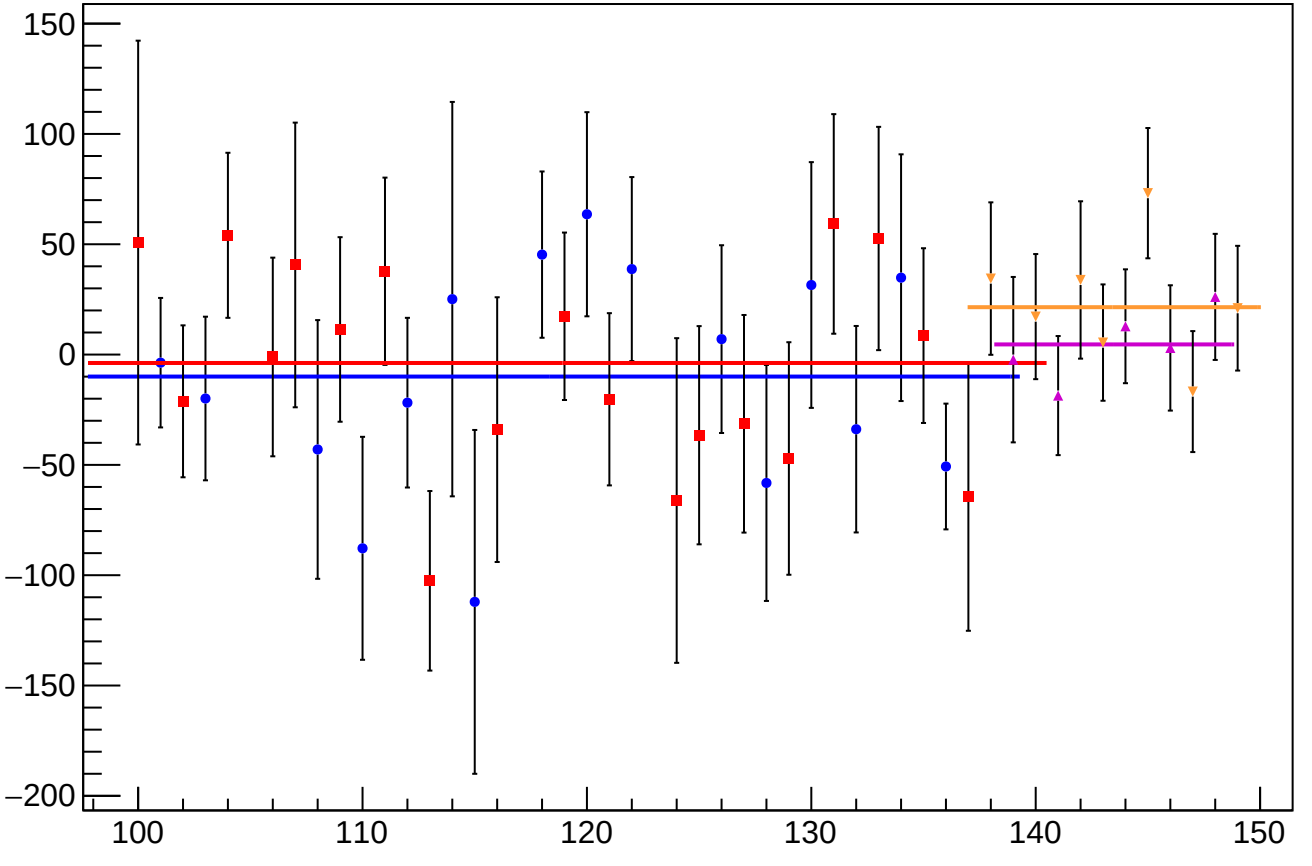
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 27883.849+/-5.859 χ^2/NDF:416357.1/20

Out: 27364.259+/-5.443 χ^2/NDF:251738.5/25

All: 27604.980+/-3.988 χ^2/NDF: 672316.8/46

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.473+/-11.156 χ^2/NDF:5.7/6

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: 14.226+/-8.426 χ^2/NDF: 8.1/11

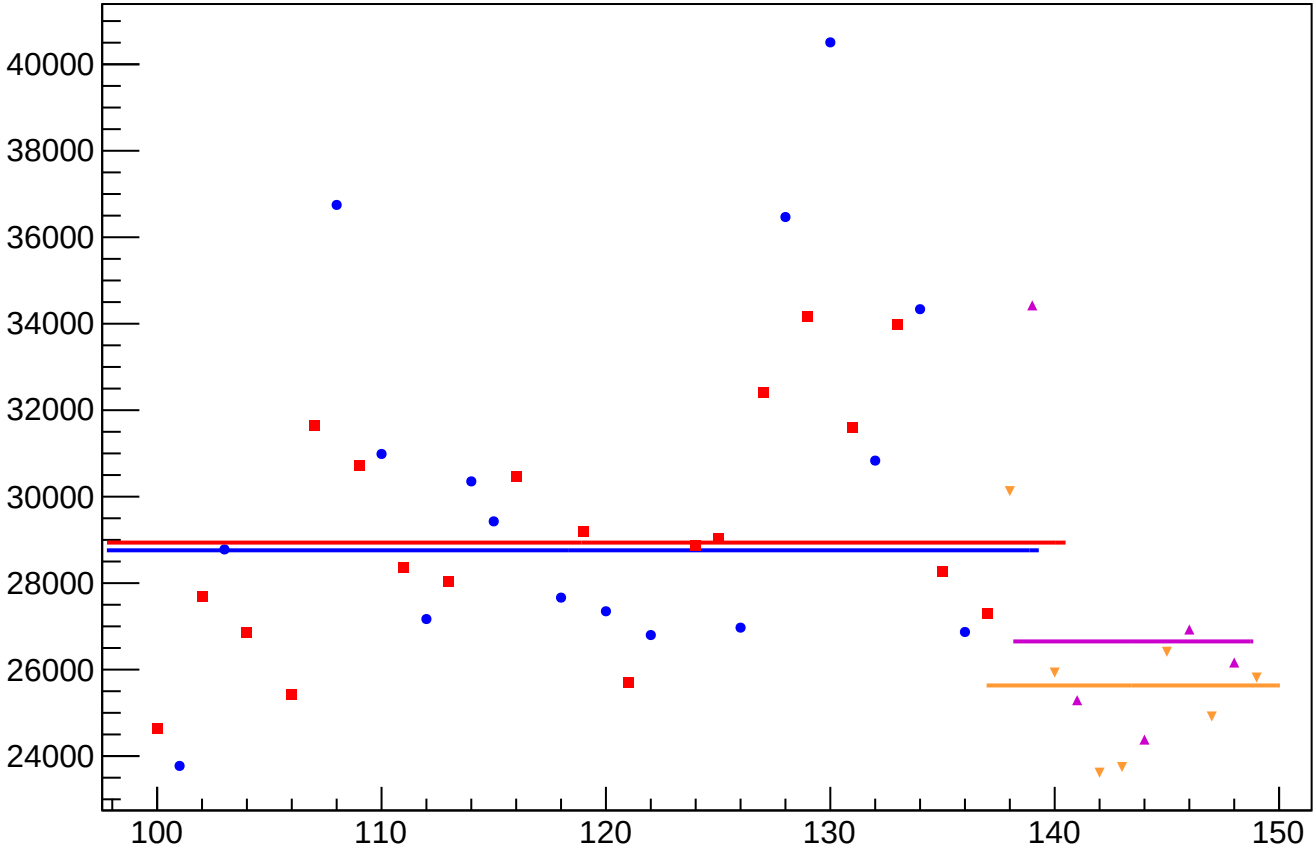
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.917+/-8.286 χ^2/NDF:17.5/20

Out: 8.228+/-7.698 χ^2/NDF:25.6/25

All: 2.601+/-5.640 χ^2/NDF: 44.3/46

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25633.497+/-7.888 χ^2/NDF:53566.3/6

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26651.955+/-9.091 χ^2/NDF:107305.6/4

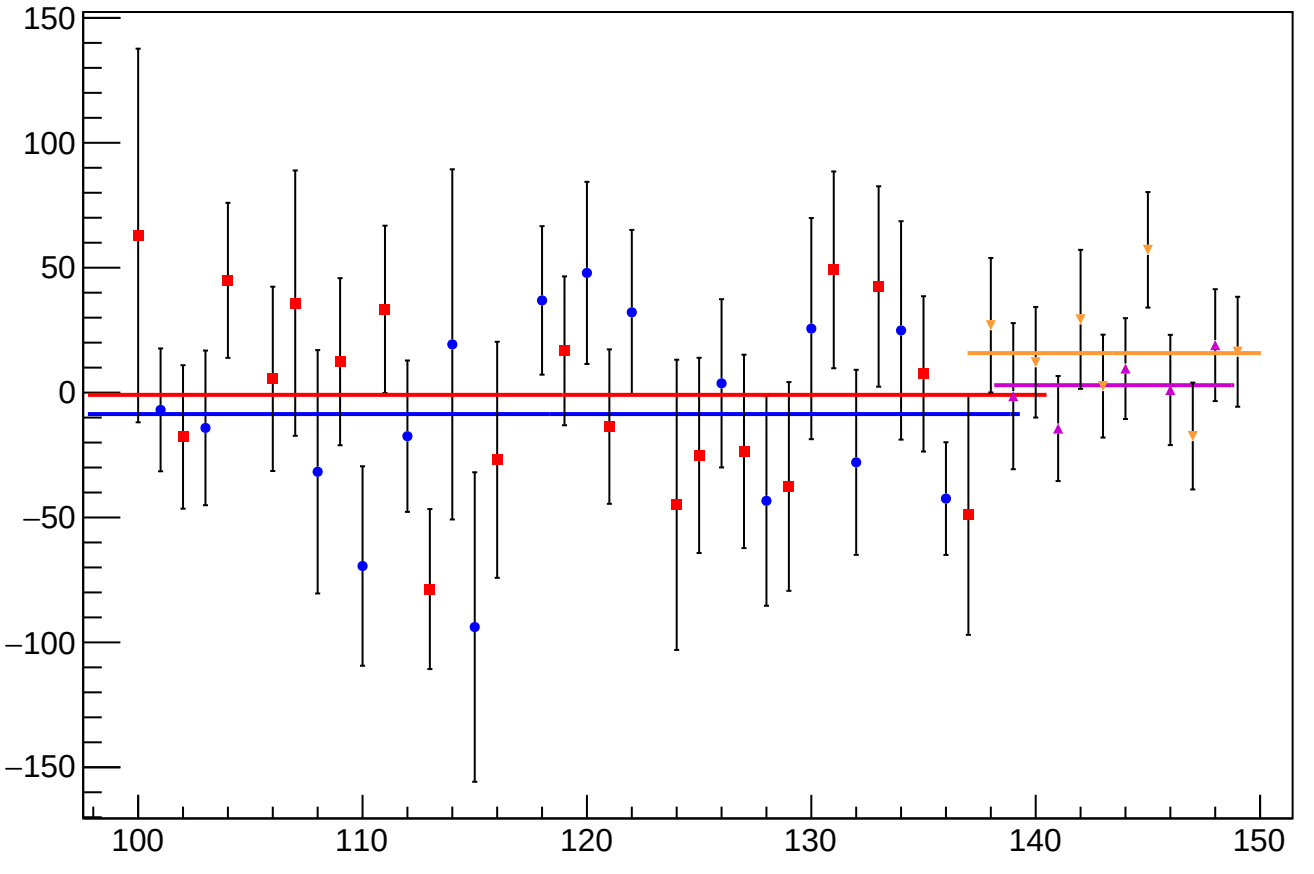
Left: 26070.963+/-5.958 χ^2/NDF: 168032.3/11

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

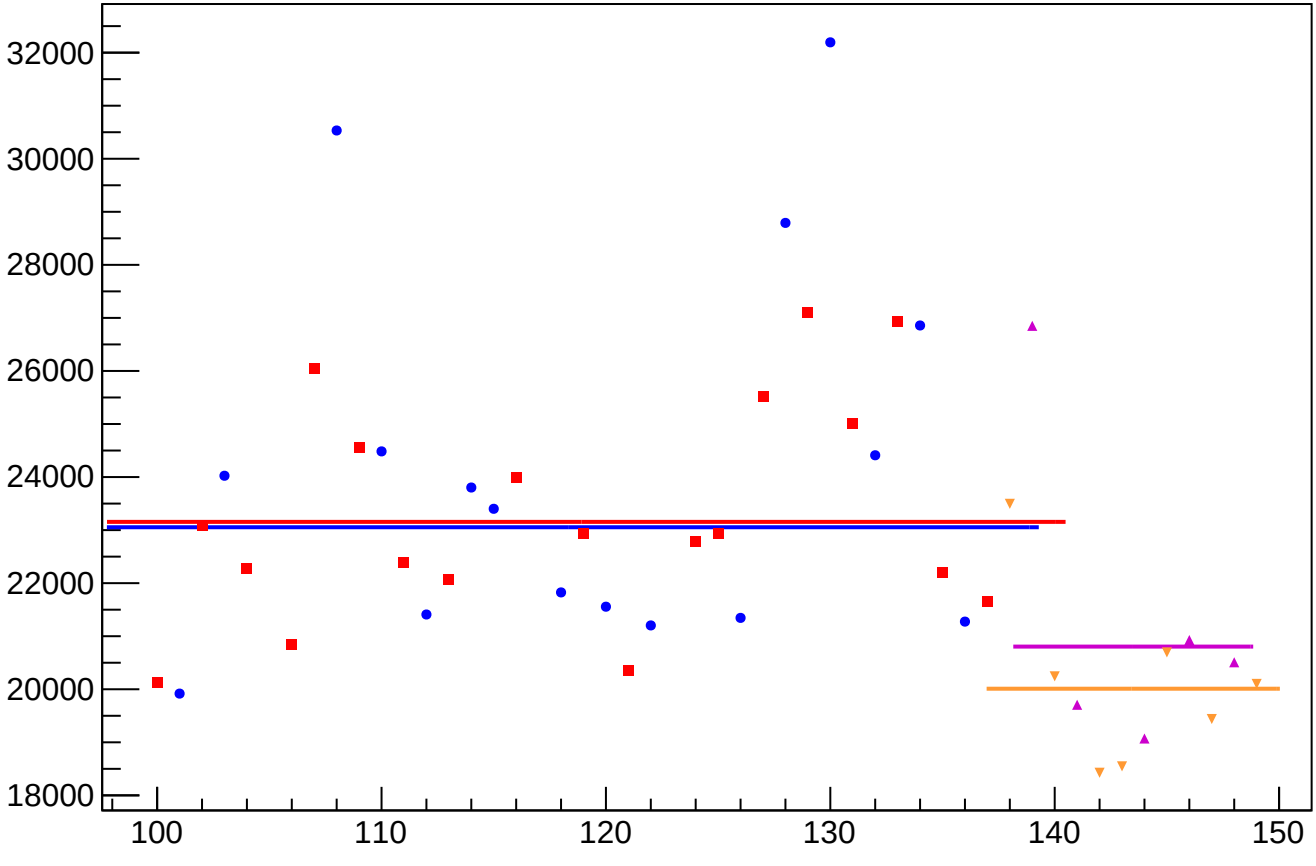
In: 27883.849+/-5.859 χ^2/NDF:416357.1/20

Out: 27364.259+/-5.443 χ^2/NDF:251738.5/25

All: 27604.980+/-3.988 χ^2/NDF: 672316.8/46


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: 15.813+/-8.707 χ²/NDF:6.5/6
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 2.964+/-10.035 χ²/NDF:1.3/4
Left: 10.294+/-6.577 χ²/NDF: 8.7/11
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -3.651+/-6.564 χ²/NDF:17.6/20
Out: 7.259+/-6.084 χ²/NDF:25.9/25
All: 2.217+/-4.462 χ²/NDF: 45.0/46

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20010.334+/-6.157 χ^2/NDF:53512.1/6

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20804.367+/-7.096 χ^2/NDF:106033.3/4

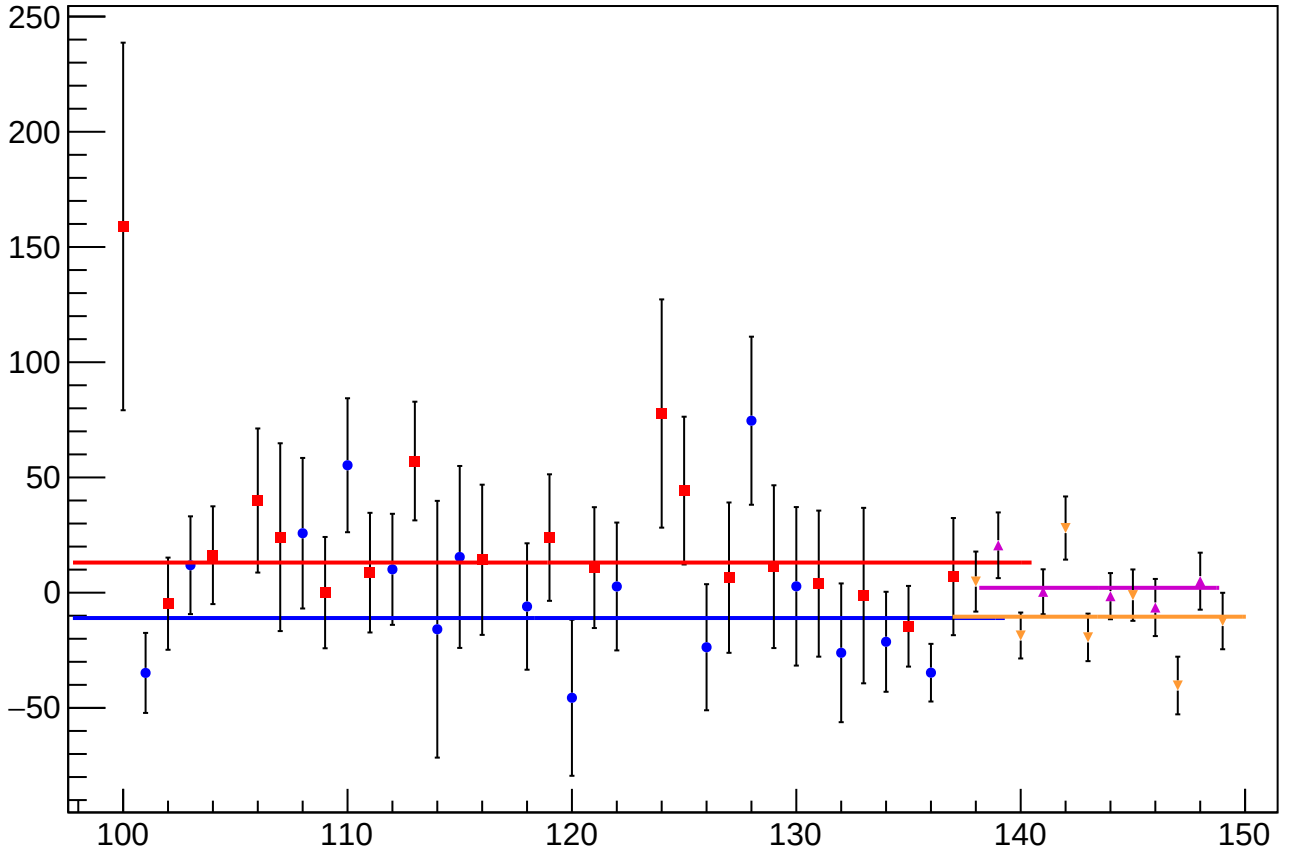
Left: 20351.391+/-4.650 χ^2/NDF: 166689.4/11

Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

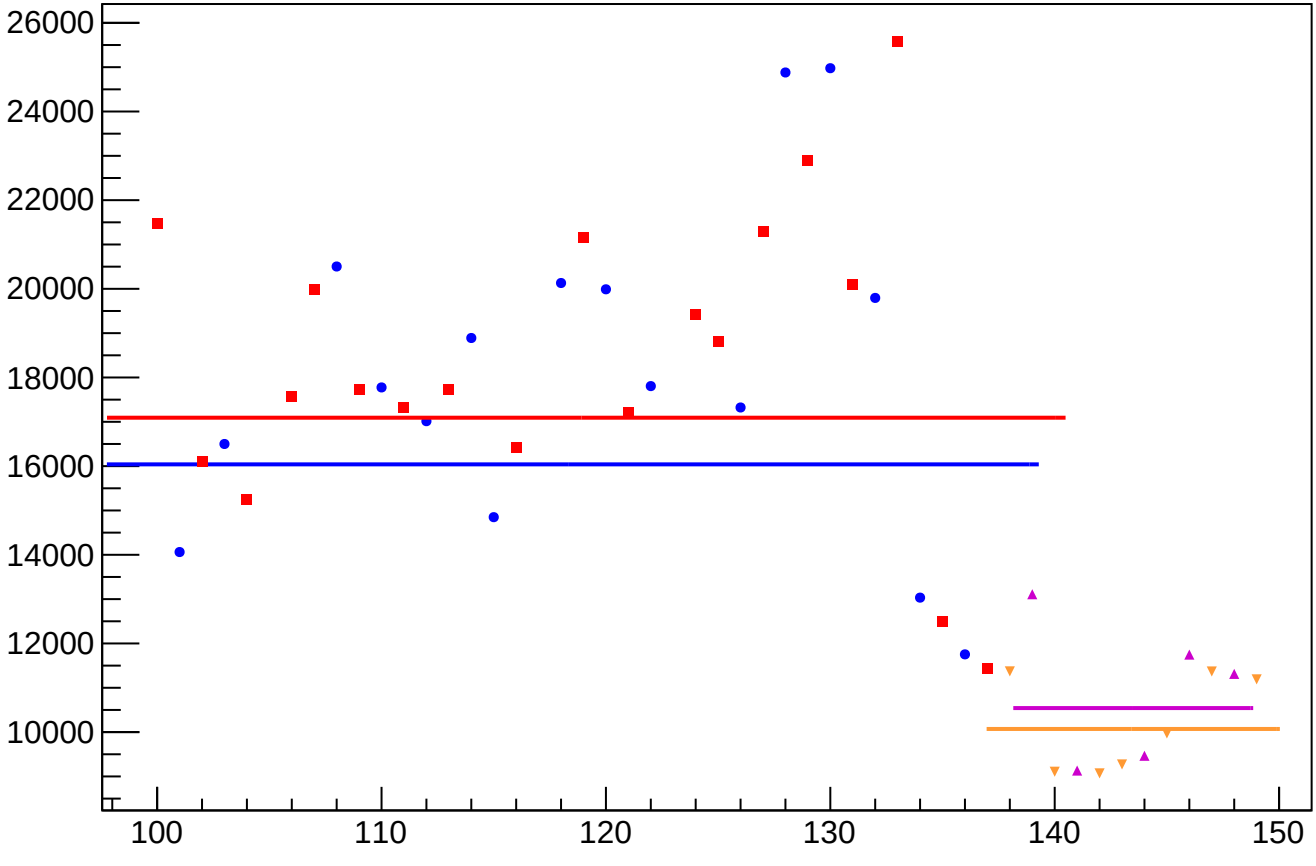
In: 22091.324+/-4.642 χ^2/NDF:424979.9/20

Out: 21619.577+/-4.302 χ^2/NDF:280912.6/25

All: 21837.588+/-3.155 χ^2/NDF: 711448.6/46


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -10.426+/-4.394 χ²/NDF:17.1/6
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 2.106+/-5.100 χ²/NDF:2.4/4
Left: -5.087+/-3.329 χ²/NDF: 22.9/11
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -3.230+/-3.927 χ²/NDF:27.1/20
Out: -2.869+/-3.619 χ²/NDF:40.2/25
All: -3.035+/-2.661 χ²/NDF: 67.3/46

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10071.104+/-3.107 χ^2/NDF:99717.0/6

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: 10271.811+/-2.354 χ^2/NDF: 265989.3/11

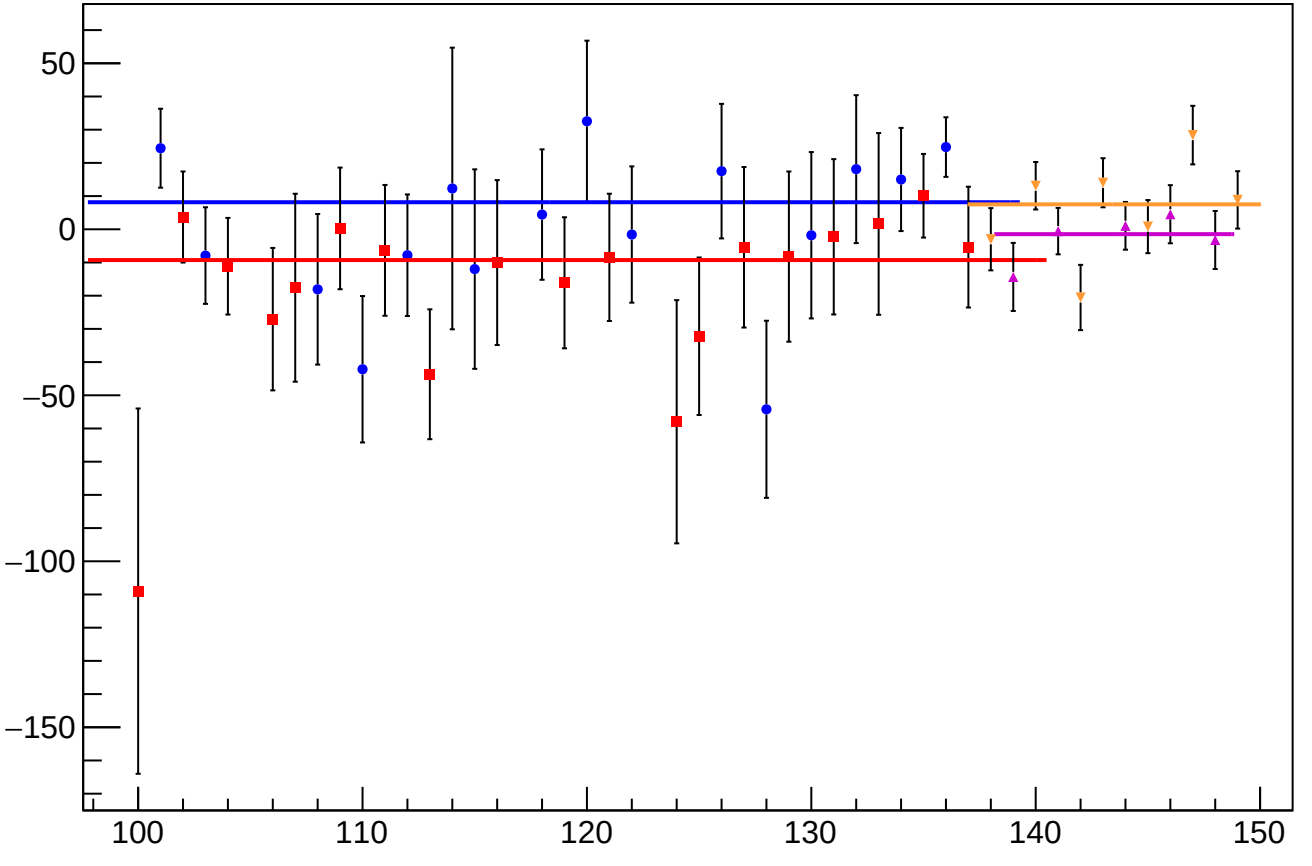
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12780.464+/-2.777 χ^2/NDF:1825267.2/20

Out: 12329.186+/-2.559 χ^2/NDF:2277609.9/25

All: 12536.435+/-1.882 χ^2/NDF: 4117158.1/4

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.513+/-3.139 χ^2/NDF:17.1/6

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.465+/-3.639 χ^2/NDF:2.2/4

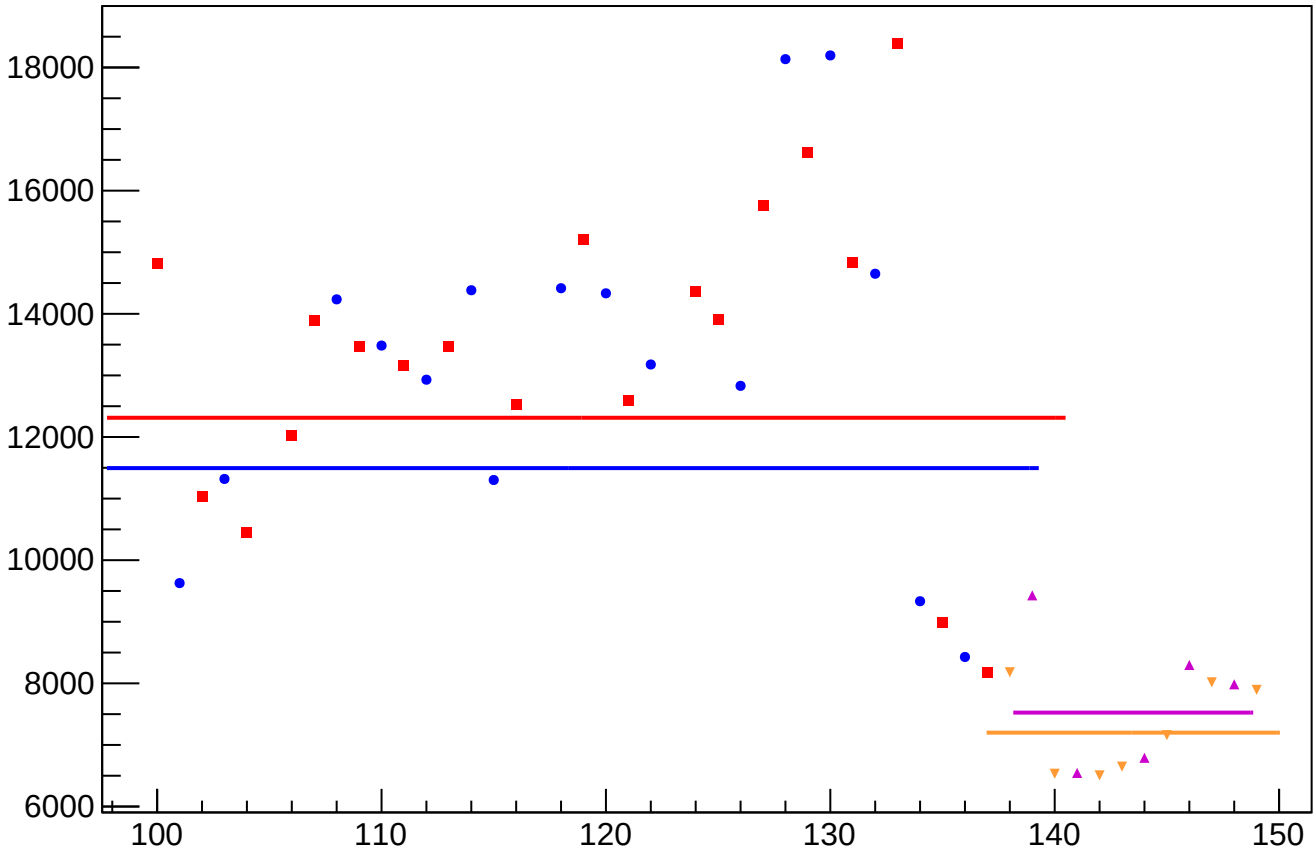
Left: 3.682+/-2.377 χ^2/NDF: 22.8/11

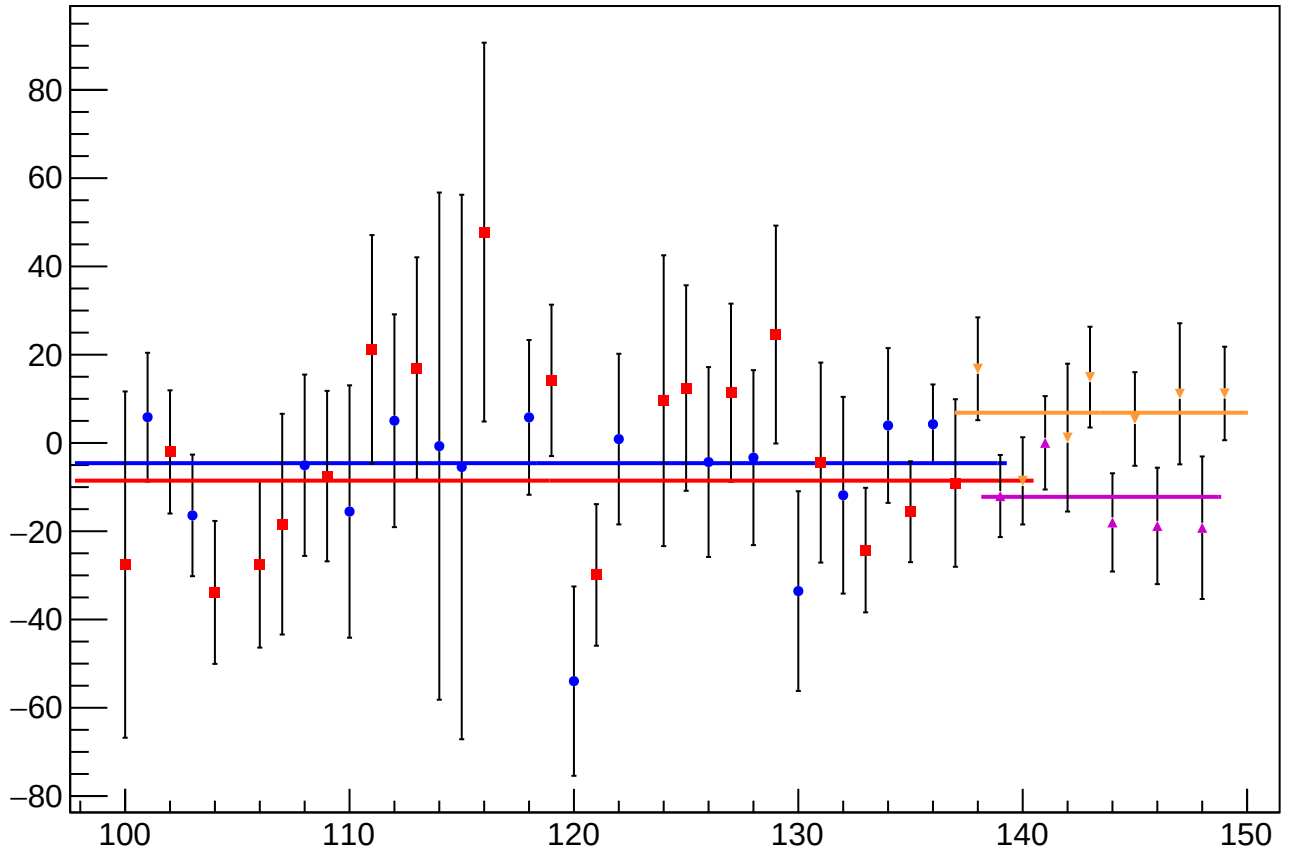
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 2.417+/-2.810 χ^2/NDF:26.8/20

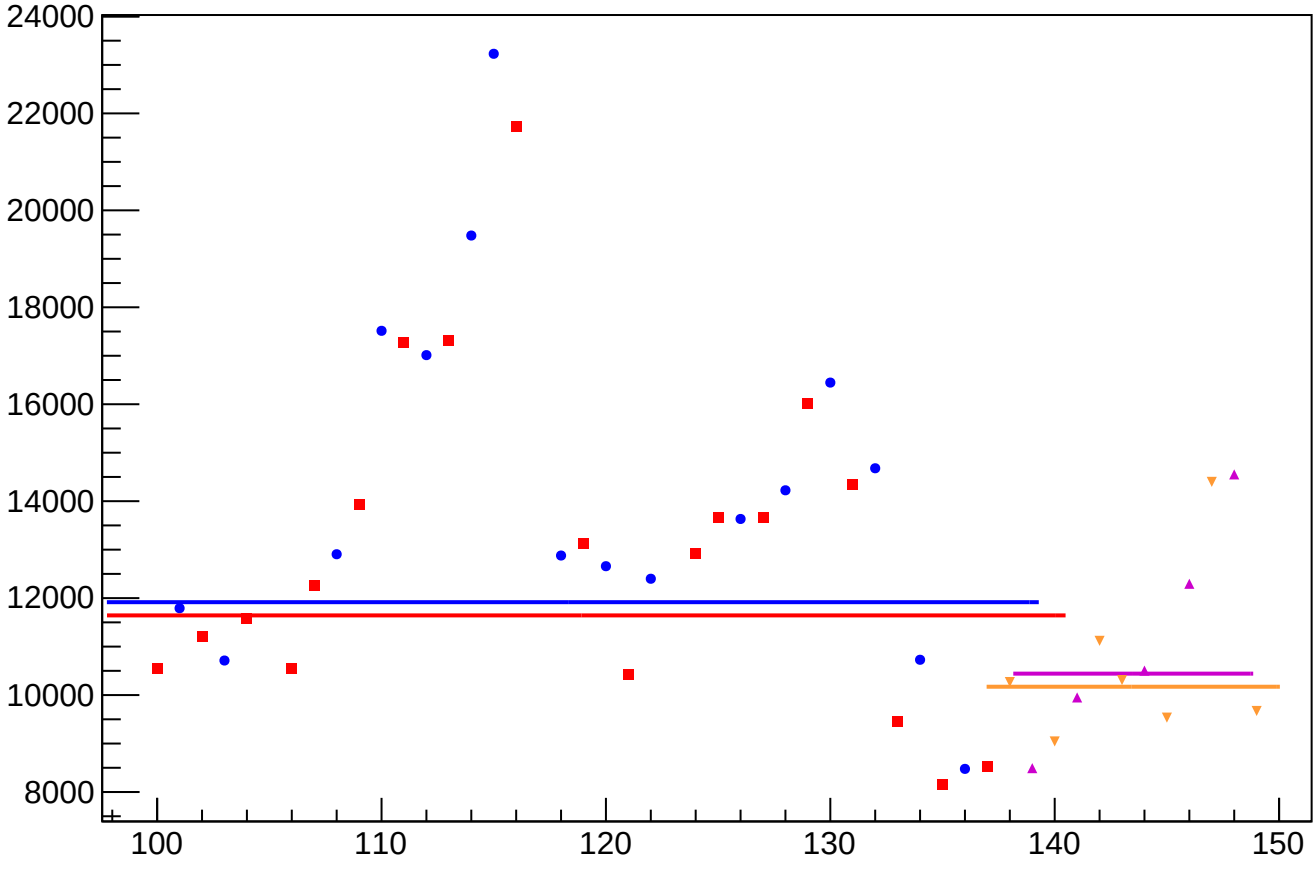
Out: 2.191+/-2.594 χ^2/NDF:40.0/25

All: 2.295+/-1.906 χ^2/NDF: 66.9/46


diff_bpm4aediffX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 11494.969+/-3.127 χ²/NDF: 789990.1/15
Left Out: 7199.486+/-2.220 χ²/NDF:90508.9/6
Right Out: 12312.550+/-3.258 χ²/NDF: 598755.3/18
Left In: 7525.040+/-2.573 χ²/NDF:150215.4/4
Left: 7338.385+/-1.681 χ²/NDF: 249900.3/11
Right: 11887.075+/-2.256 χ²/NDF: 1421522.1/34
In: 9127.785+/-1.987 χ²/NDF:1901030.9/20
Out: 8820.792+/-1.834 χ²/NDF:2371490.1/25
All: 8962.045+/-1.348 χ²/NDF: 4285406.5/46


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: 6.856+/-4.447 χ²/NDF:4.0/6
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -12.207+/-5.120 χ²/NDF:2.0/4
Left: -1.341+/-3.358 χ²/NDF: 14.0/11
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -7.948+/-3.403 χ²/NDF:13.5/20
Out: -0.936+/-3.125 χ²/NDF:27.3/25
All: -4.144+/-2.302 χ²/NDF: 43.1/46

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10172.112+/-3.145 χ^2/NDF:184458.3/6

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10442.173+/-3.621 χ^2/NDF:261304.9/4

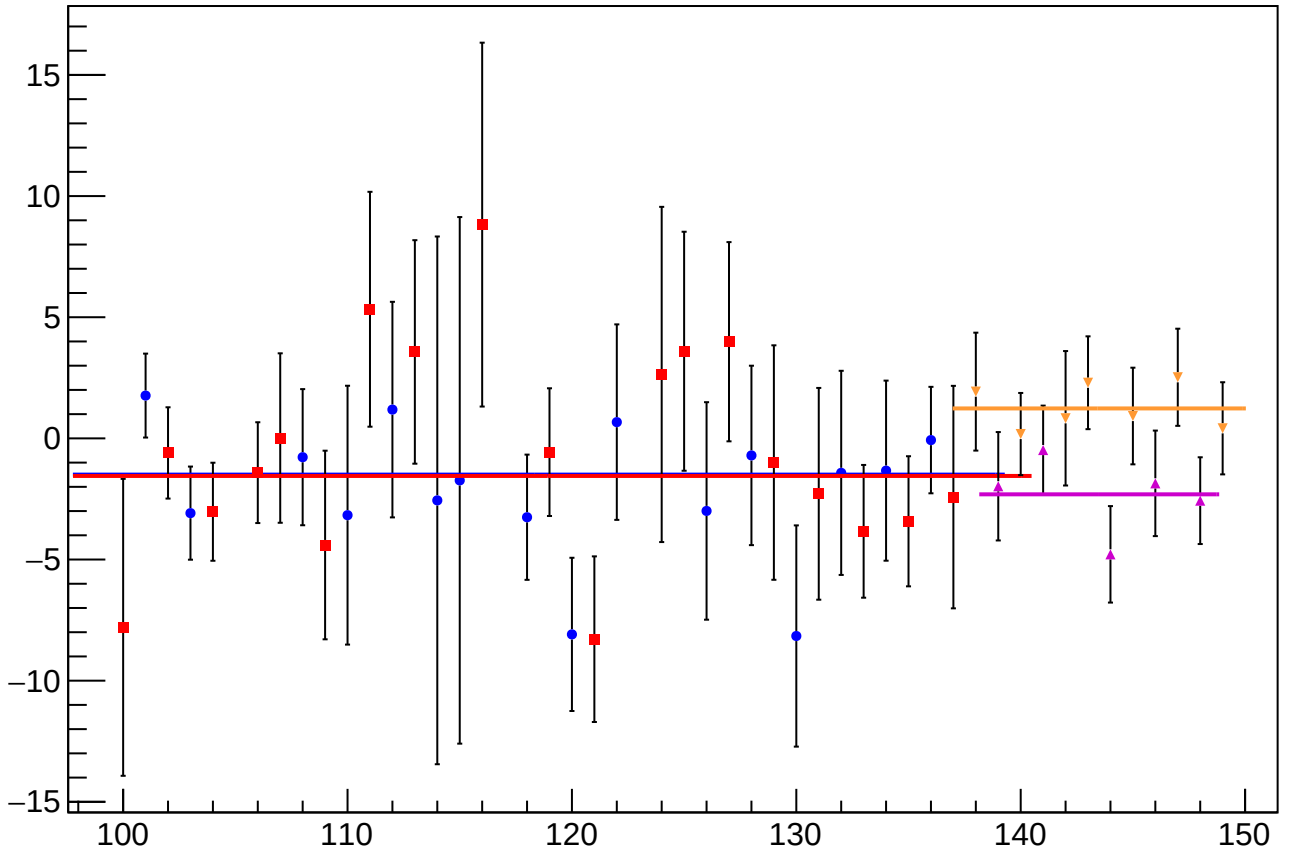
Left: 10288.229+/-2.374 χ^2/NDF: 448934.5/11

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11265.276+/-2.406 χ^2/NDF:1103639.1/20

Out: 10916.985+/-2.210 χ^2/NDF:1085666.2/25

All: 11076.330+/-1.628 χ^2/NDF: 2200671.3/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.236+/-0.768 χ^2/NDF:1.4/6

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -2.309+/-0.886 χ^2/NDF:2.6/4

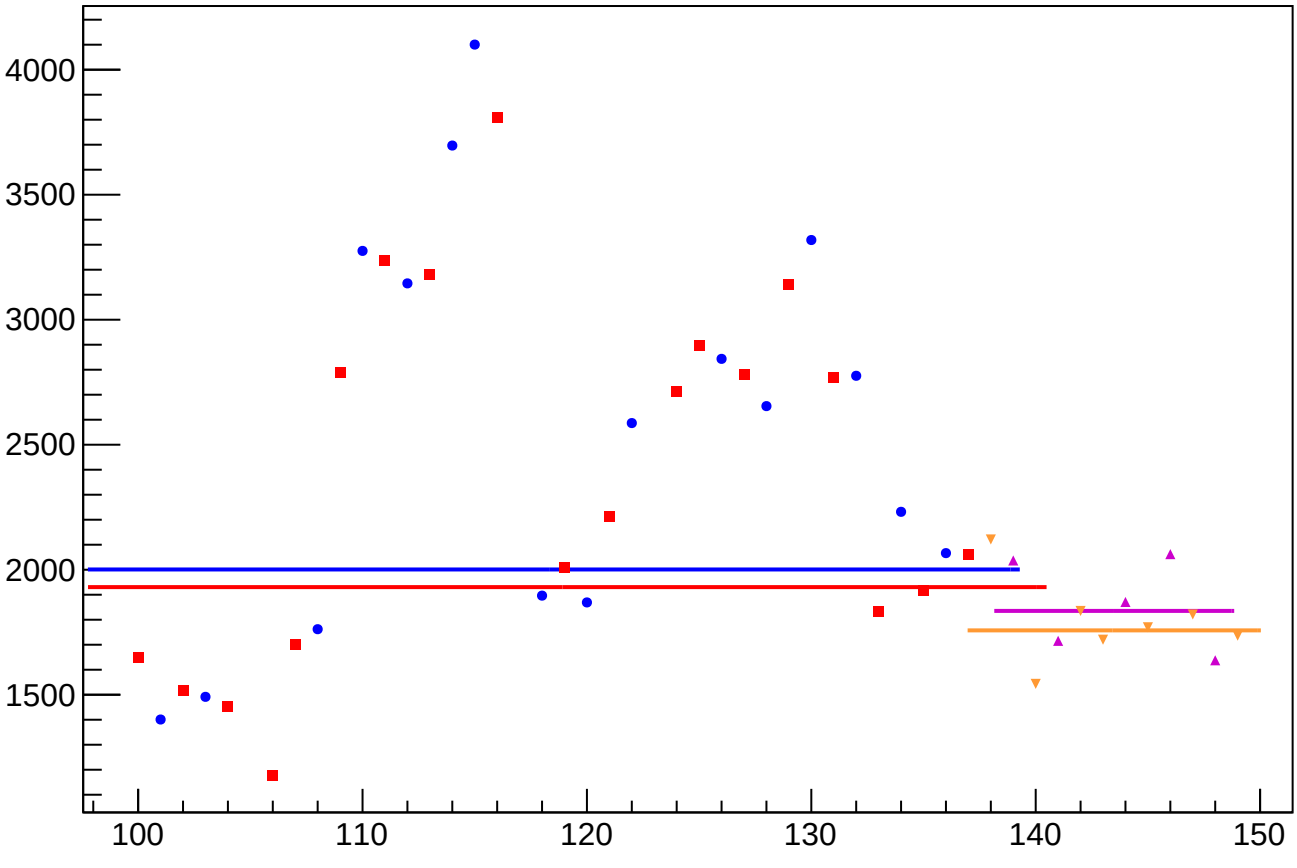
Left: -0.284+/-0.580 χ^2/NDF: 13.2/11

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.850+/-0.585 χ^2/NDF:15.7/20

Out: -0.200+/-0.535 χ^2/NDF:24.5/25

All: -0.951+/-0.395 χ^2/NDF: 44.5/46



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1757.365+/-0.543 χ^2/NDF:81179.6/6

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1835.282+/-0.627 χ^2/NDF:71529.7/4

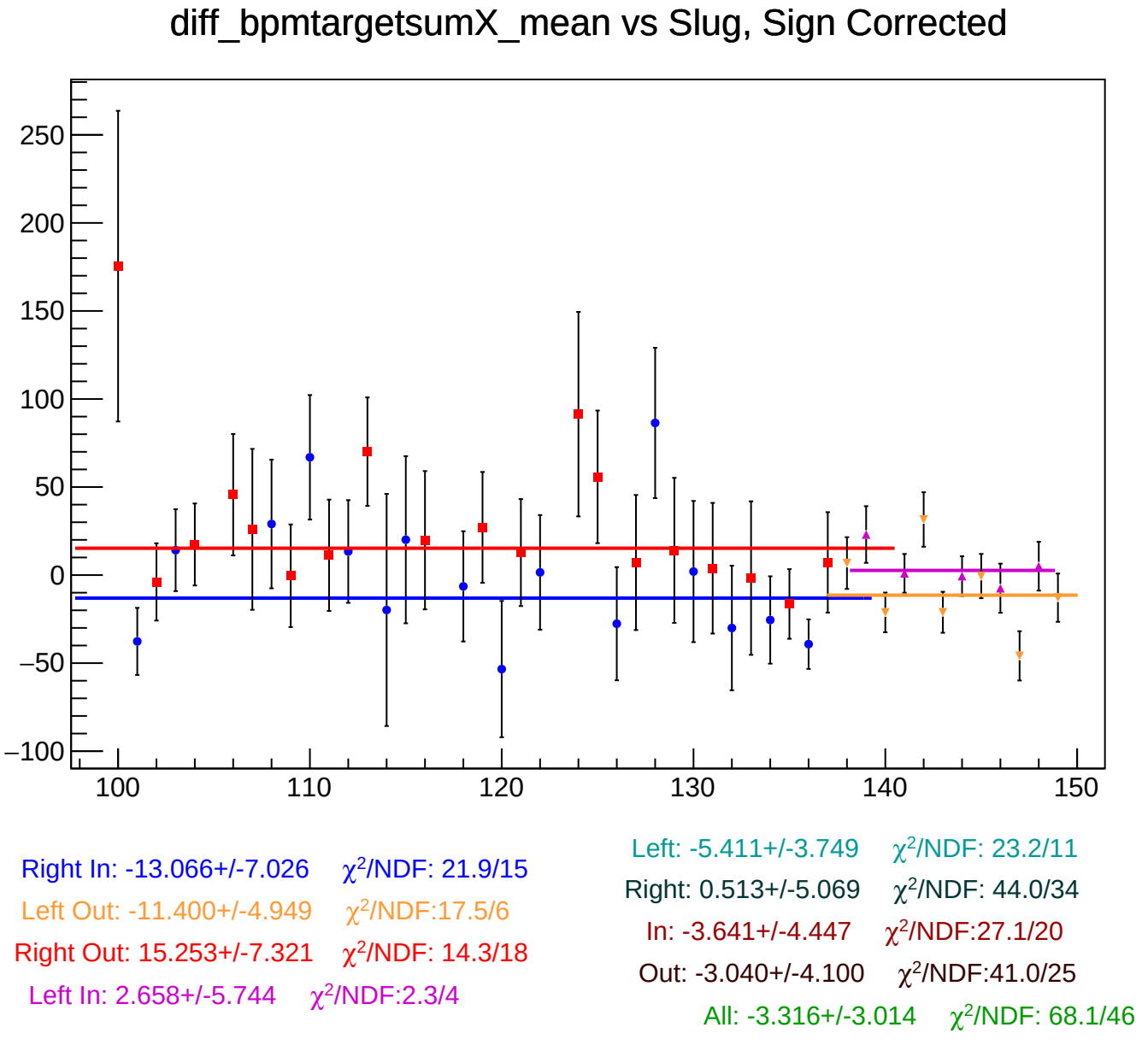
Left: 1790.769+/-0.410 χ^2/NDF: 161537.2/11

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

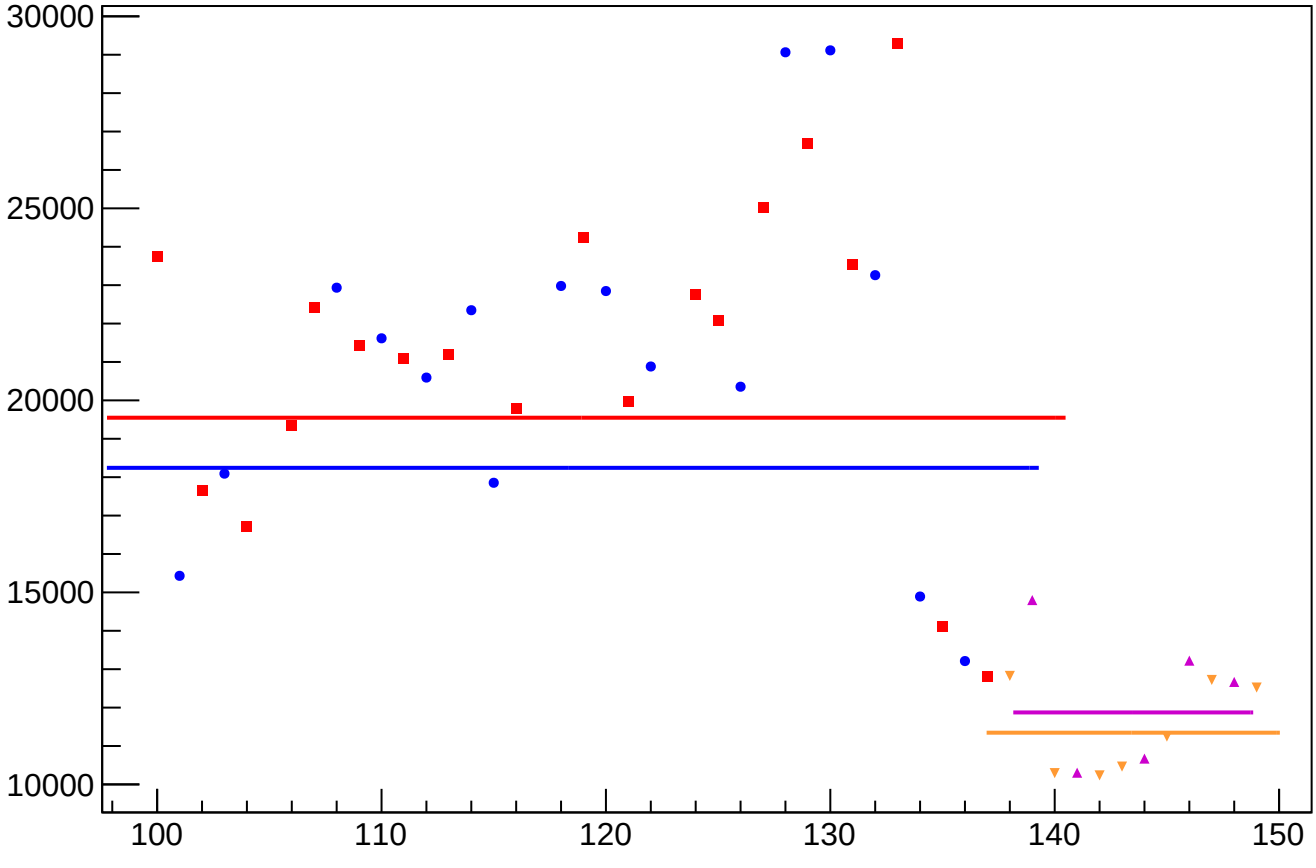
In: 1928.866+/-0.414 χ^2/NDF:1300787.4/20

Out: 1846.573+/-0.378 χ^2/NDF:1537098.6/25

All: 1884.029+/-0.279 χ^2/NDF: 2859462.2/46


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -11.400+/-4.949 χ²/NDF:17.5/6
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 2.658+/-5.744 χ²/NDF:2.3/4
Left: -5.411+/-3.749 χ²/NDF: 23.2/11
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -3.641+/-4.447 χ²/NDF:27.1/20
Out: -3.040+/-4.100 χ²/NDF:41.0/25
All: -3.316+/-3.014 χ²/NDF: 68.1/46

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11346.765+/-3.499 χ^2/NDF:93658.5/6

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: 11571.406+/-2.651 χ^2/NDF: 258009.0/11

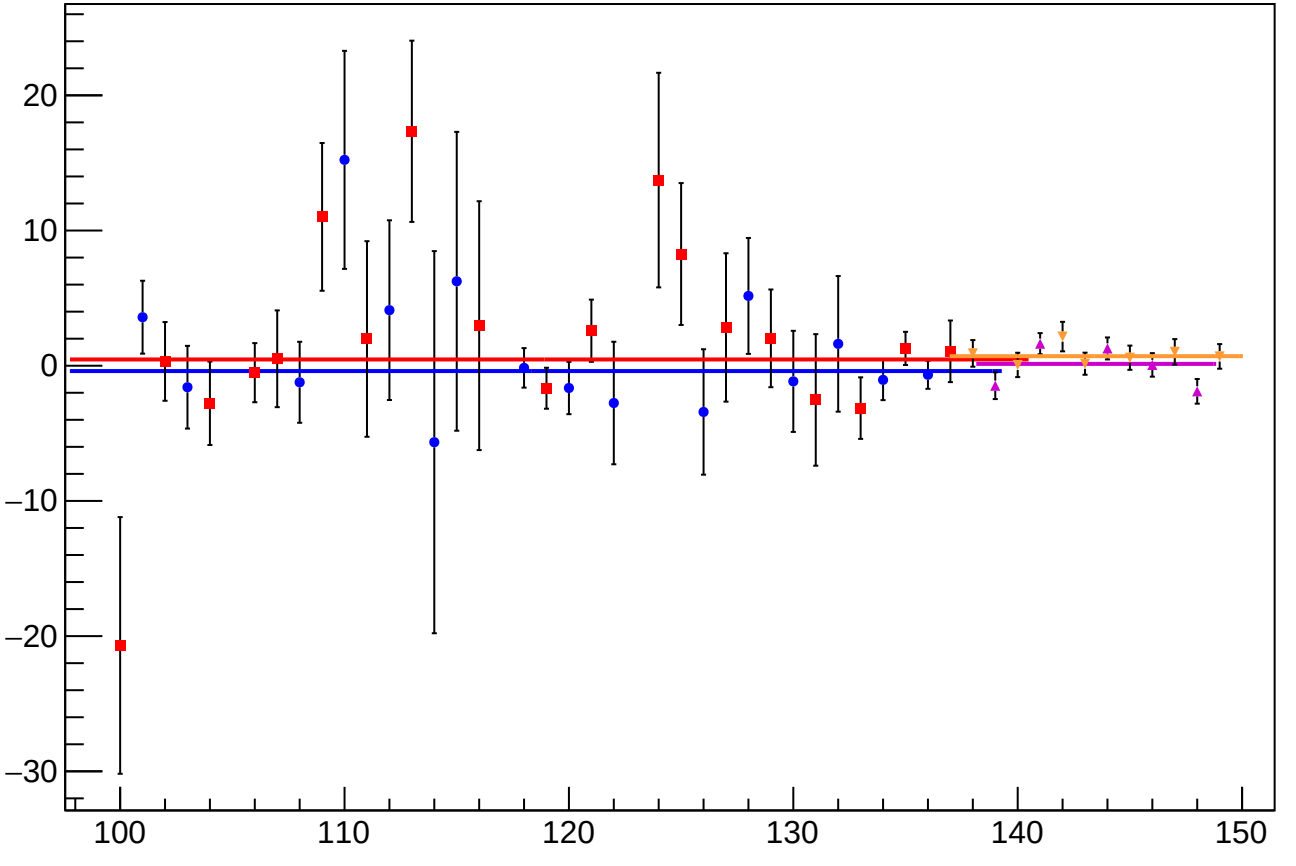
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14425.612+/-3.145 χ^2/NDF:1959567.6/20

Out: 13919.320+/-2.899 χ^2/NDF:2438309.3/25

All: 14151.931+/-2.132 χ^2/NDF: 4411888.8/4

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.706+/-0.349 χ^2/NDF:2.9/6

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: 0.449+/-0.259 χ^2/NDF: 17.4/11

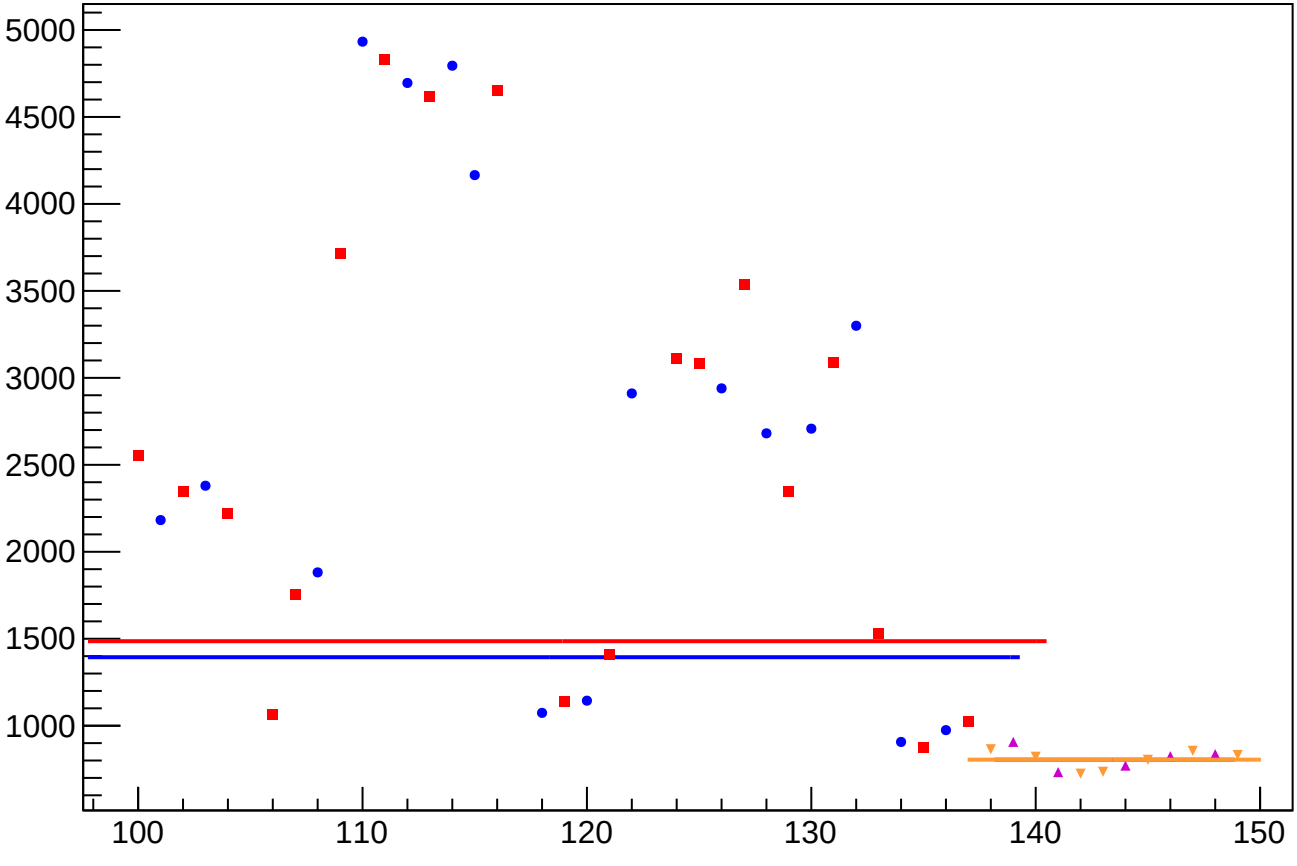
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.020+/-0.325 χ^2/NDF:24.2/20

Out: 0.650+/-0.306 χ^2/NDF:31.1/25

All: 0.335+/-0.223 χ^2/NDF: 57.5/46

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 804.900+/-0.247 χ^2/NDF:41098.7/6

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: 804.876+/-0.183 χ^2/NDF: 86262.7/11

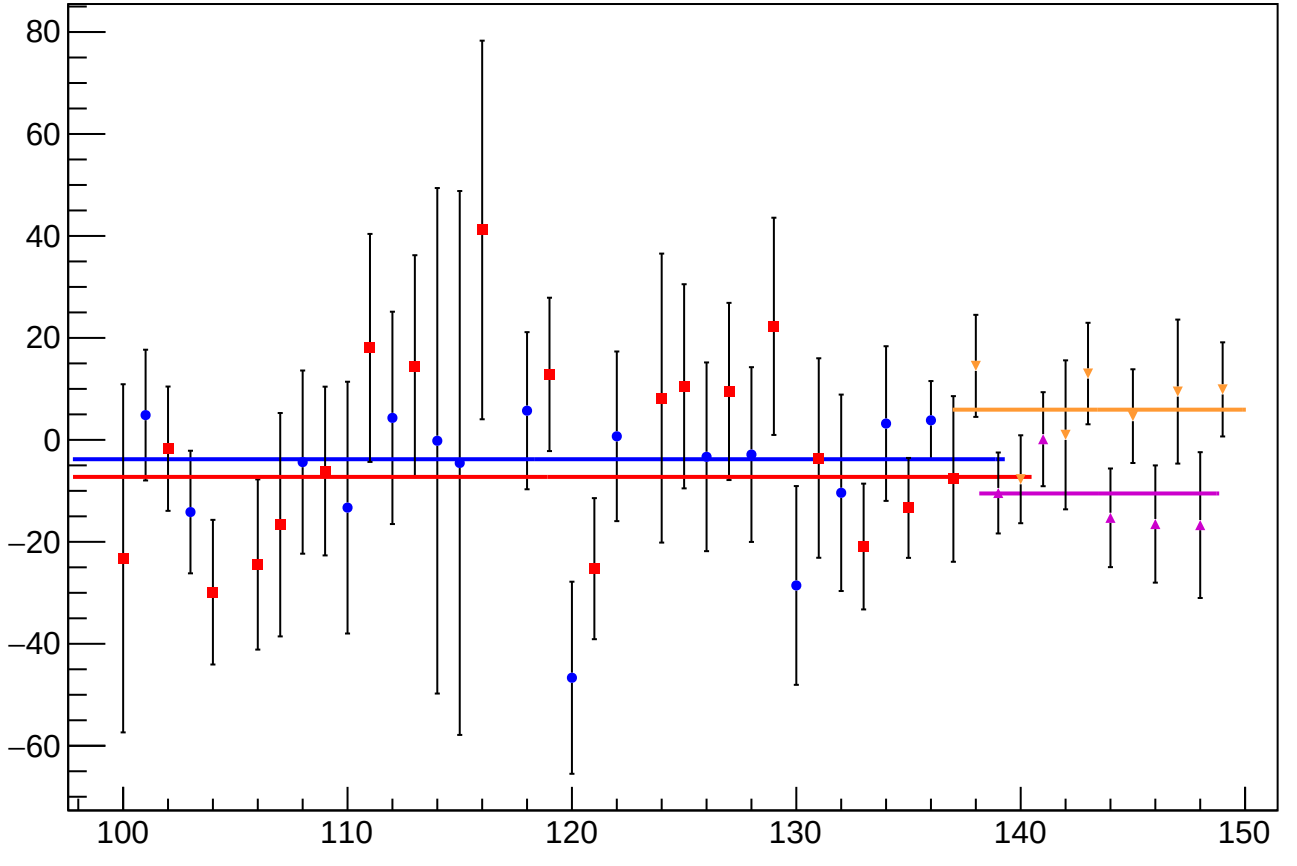
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 977.597+/-0.230 χ^2/NDF:4787993.6/20

Out: 963.656+/-0.216 χ^2/NDF:5210633.3/25

All: 970.208+/-0.158 χ^2/NDF: 10000577.5/46

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.925+/-3.870 χ^2/NDF:4.1/6

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -10.512+/-4.438 χ^2/NDF:2.0/4

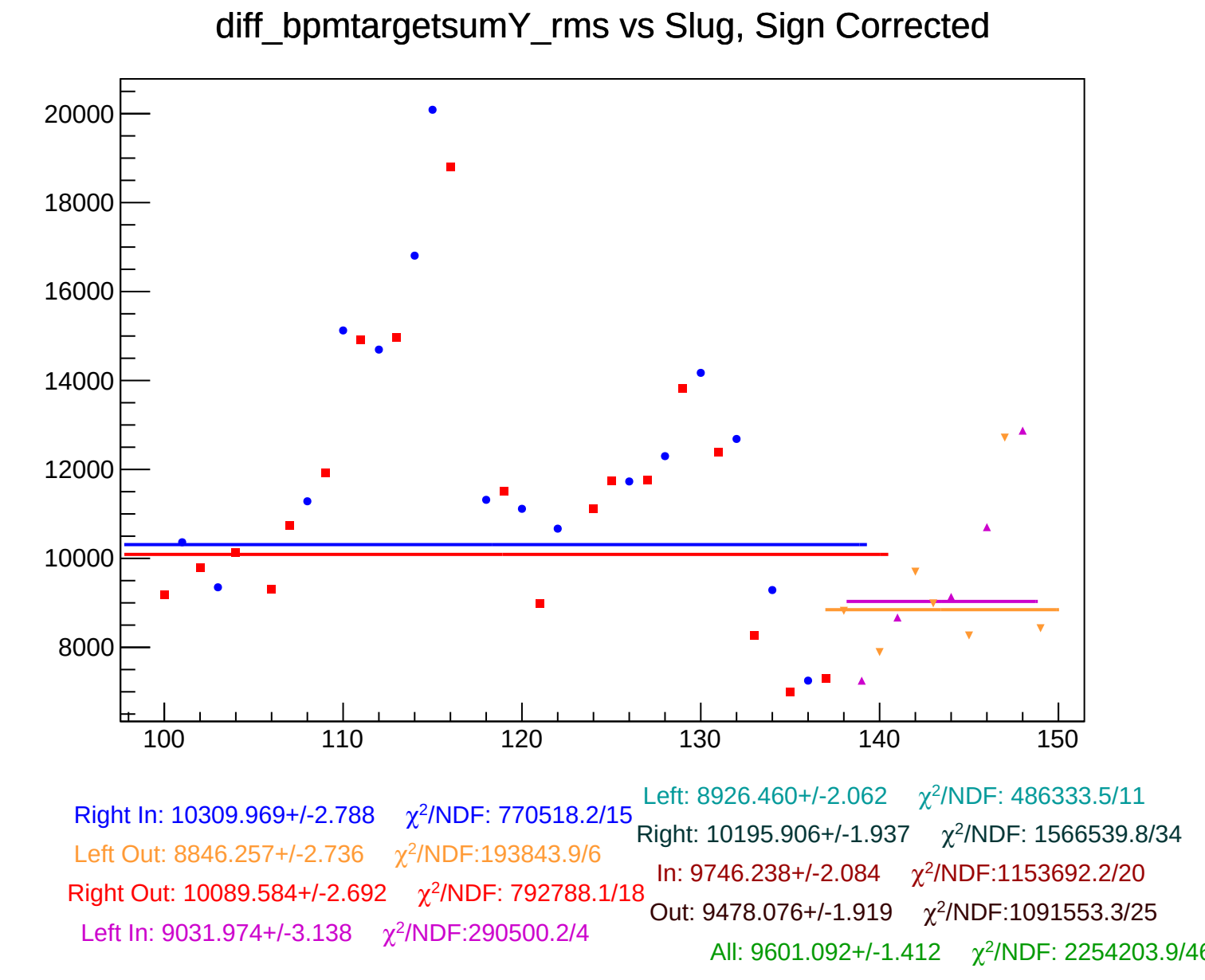
Left: -1.173+/-2.917 χ^2/NDF: 14.0/11

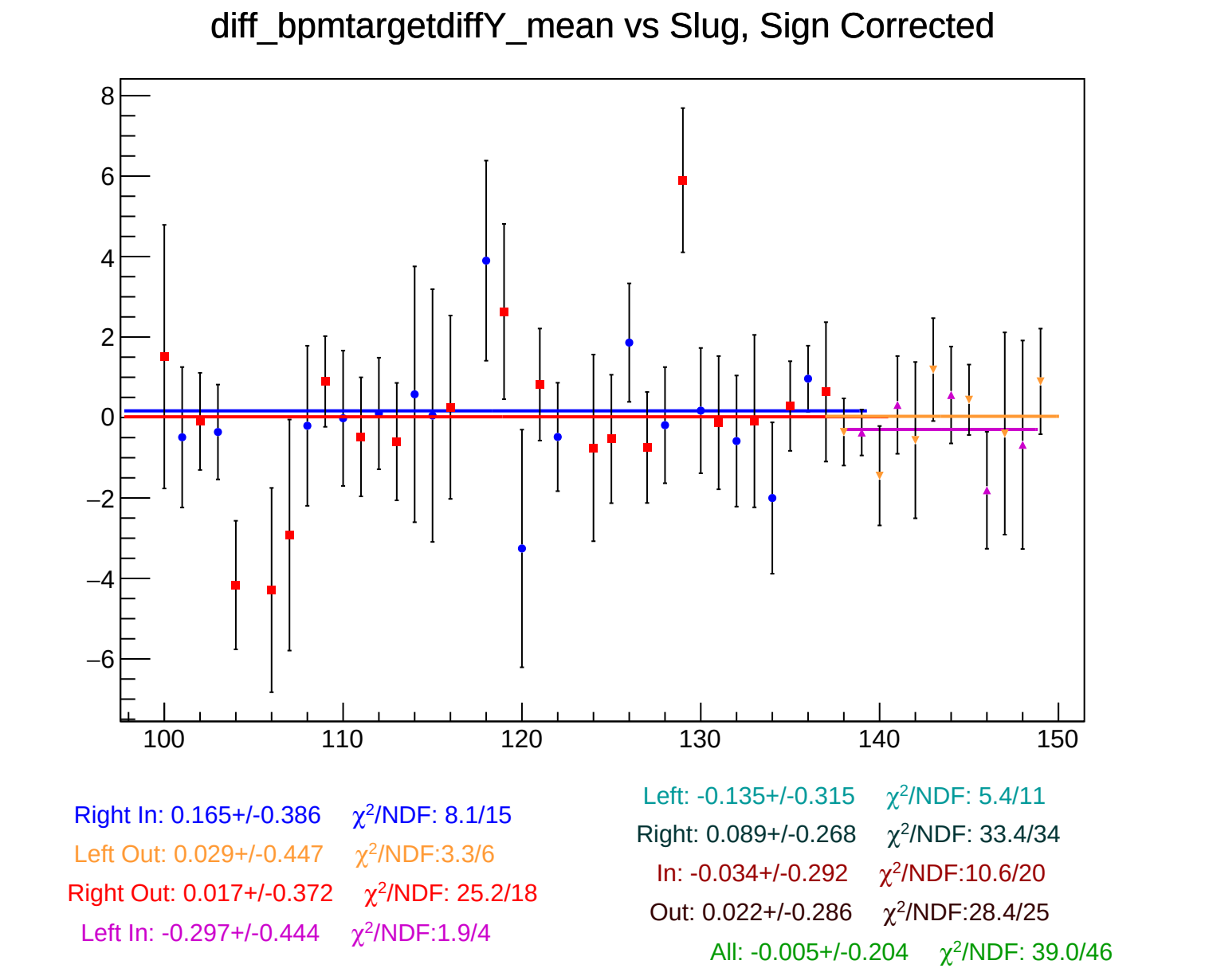
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

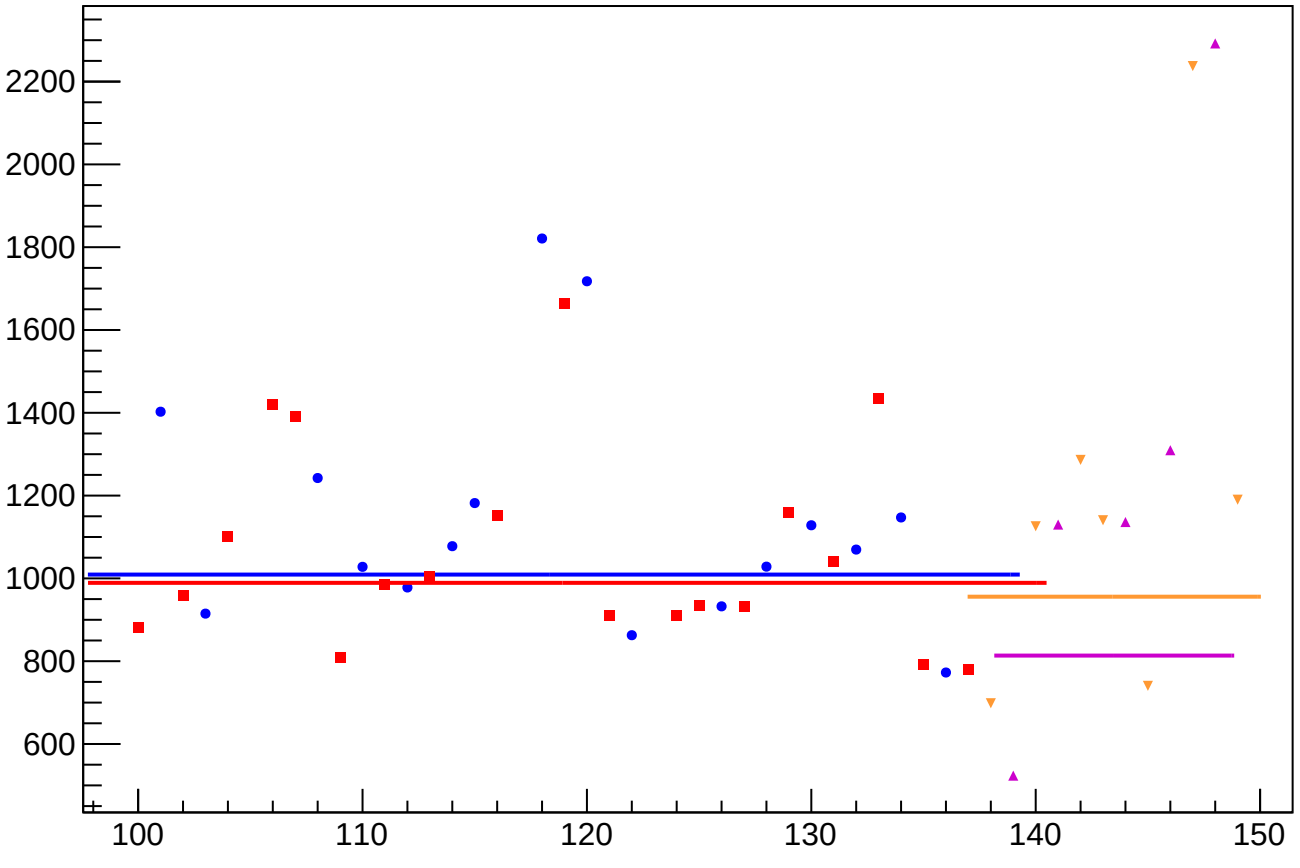
In: -6.758+/-2.948 χ^2/NDF:13.4/20

Out: -0.777+/-2.714 χ^2/NDF:27.3/25

All: -3.521+/-1.997 χ^2/NDF: 42.9/46


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 8846.257+/-2.736 χ²/NDF:193843.9/6
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9031.974+/-3.138 χ²/NDF:290500.2/4
Left: 8926.460+/-2.062 χ²/NDF: 486333.5/11
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9746.238+/-2.084 χ²/NDF:1153692.2/20
Out: 9478.076+/-1.919 χ²/NDF:1091553.3/25
All: 9601.092+/-1.412 χ²/NDF: 2254203.9/46


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: 0.029+/-0.447 χ²/NDF:3.3/6
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: -0.297+/-0.444 χ²/NDF:1.9/4
Left: -0.135+/-0.315 χ²/NDF: 5.4/11
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: -0.034+/-0.292 χ²/NDF:10.6/20
Out: 0.022+/-0.286 χ²/NDF:28.4/25
All: -0.005+/-0.204 χ²/NDF: 39.0/46



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 955.801+/-0.316 χ^2/NDF:1032874.4/6

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 813.559+/-0.314 χ^2/NDF:1680035.8/4

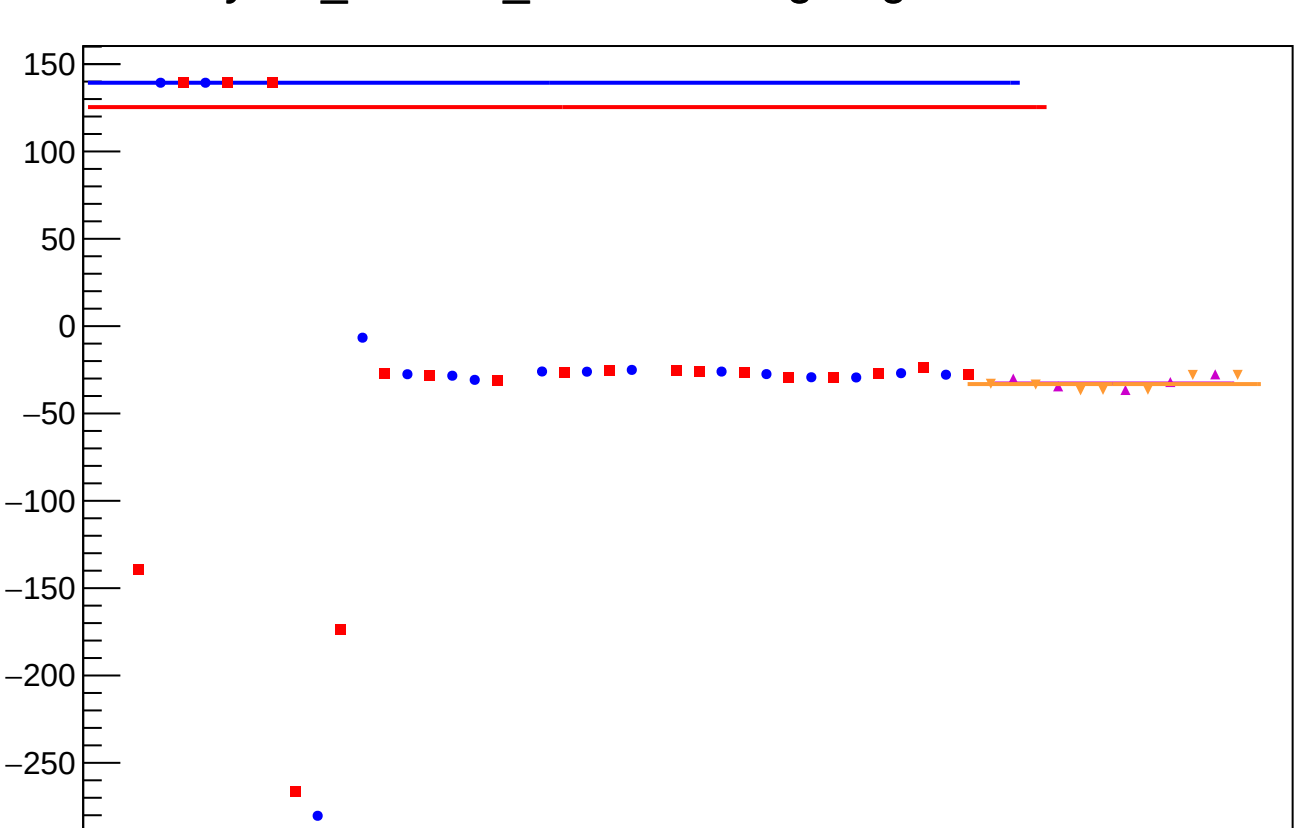
Left: 884.321+/-0.223 χ^2/NDF: 2814841.8/11

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 925.006+/-0.206 χ^2/NDF:2600169.9/20

Out: 975.538+/-0.202 χ^2/NDF:1615252.2/25

All: 950.762+/-0.144 χ^2/NDF: 4246045.3/46



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -33.168+/-0.001 χ^2/NDF:40944153.1/6

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: -33.032+/-0.000 χ^2/NDF: 62995381.1/11

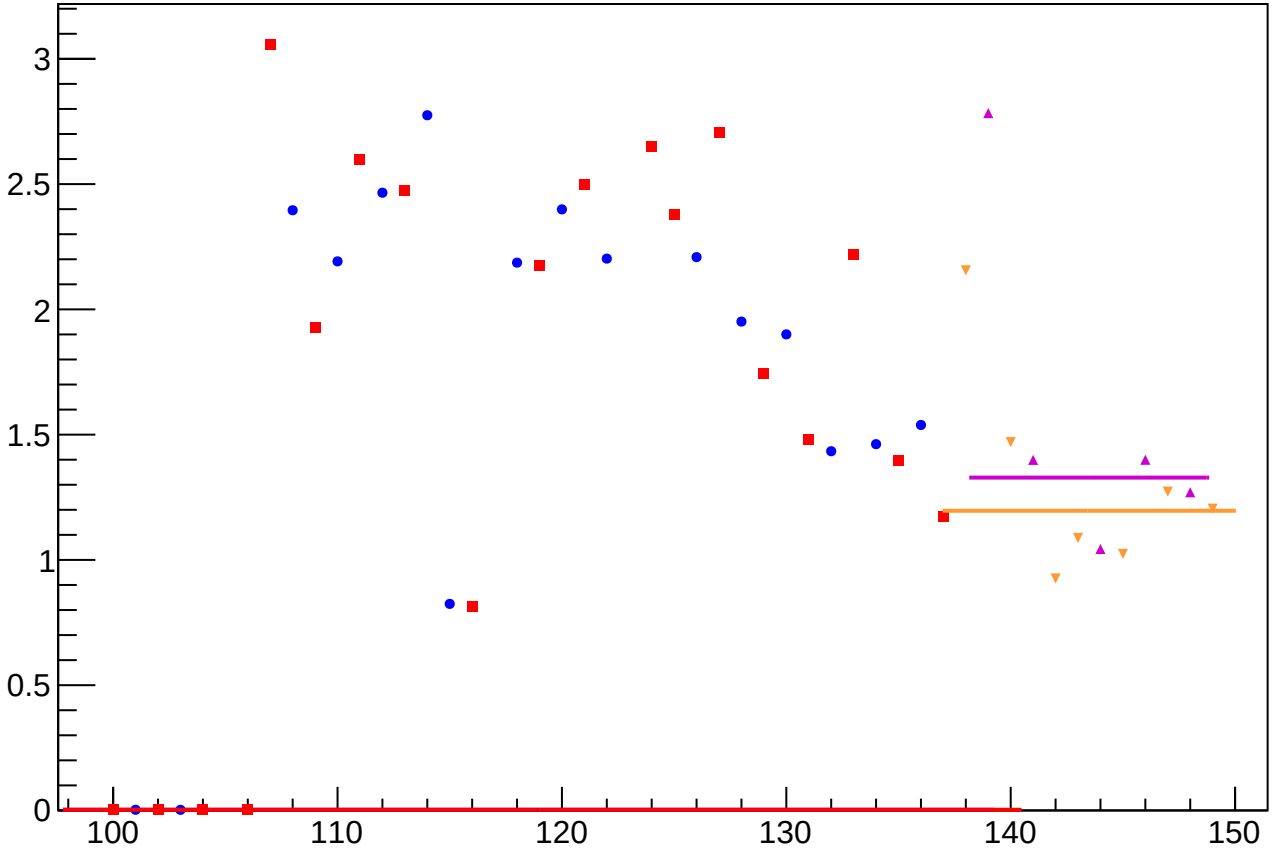
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.335+/-0.000 χ^2/NDF:100979902235.2/20

Out: 125.390+/-0.000 χ^2/NDF:774241462521640.

All: 131.816+/-0.000 χ^2/NDF: 79312828044

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.196+/-0.000 χ^2/NDF:399367.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.329+/-0.001 χ^2/NDF:558562.0/4

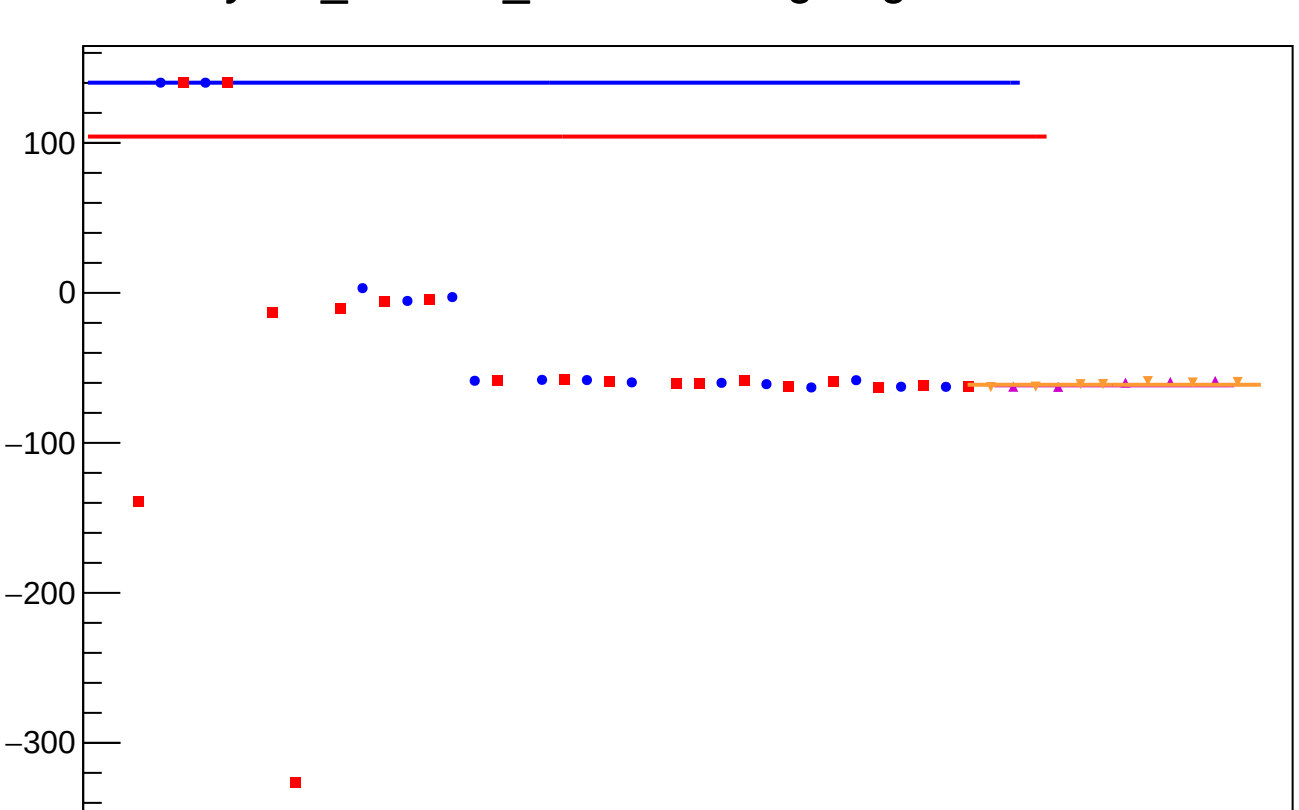
Left: 1.249+/-0.000 χ^2/NDF: 996012.9/11

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:17875355.5/25

All: 0.003+/-0.000 χ^2/NDF: 34389884.0/46



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -61.249+/-0.000 χ^2/NDF:18036337.1/6

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: -61.421+/-0.000 χ^2/NDF: 30467398.1/11

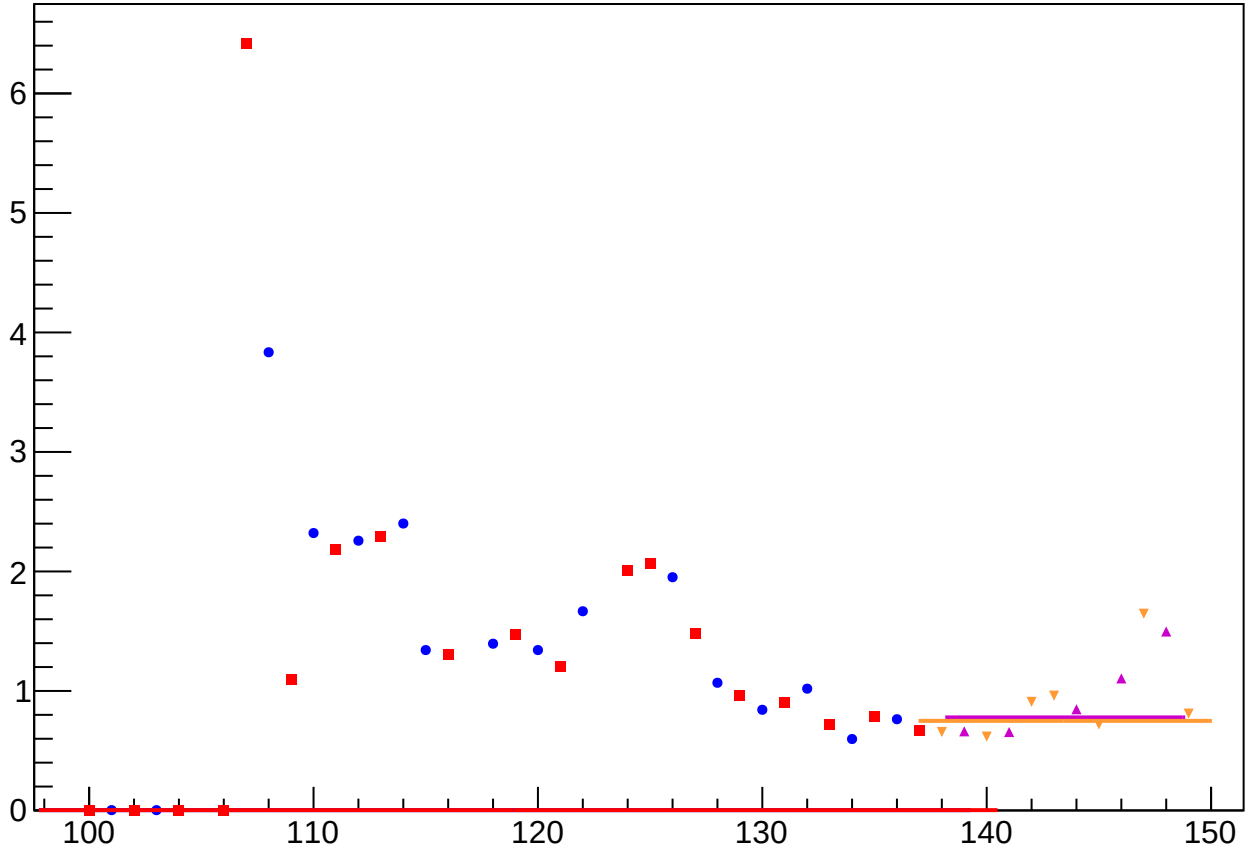
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.137+/-0.000 χ^2/NDF:411822746893.0/20

Out: 104.219+/-0.000 χ^2/NDF:125759512481027

All: 120.826+/-0.000 χ^2/NDF: 13813131522

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.750+/-0.000 χ^2/NDF:608792.2/6

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: 0.762+/-0.000 χ^2/NDF: 1165307.2/11

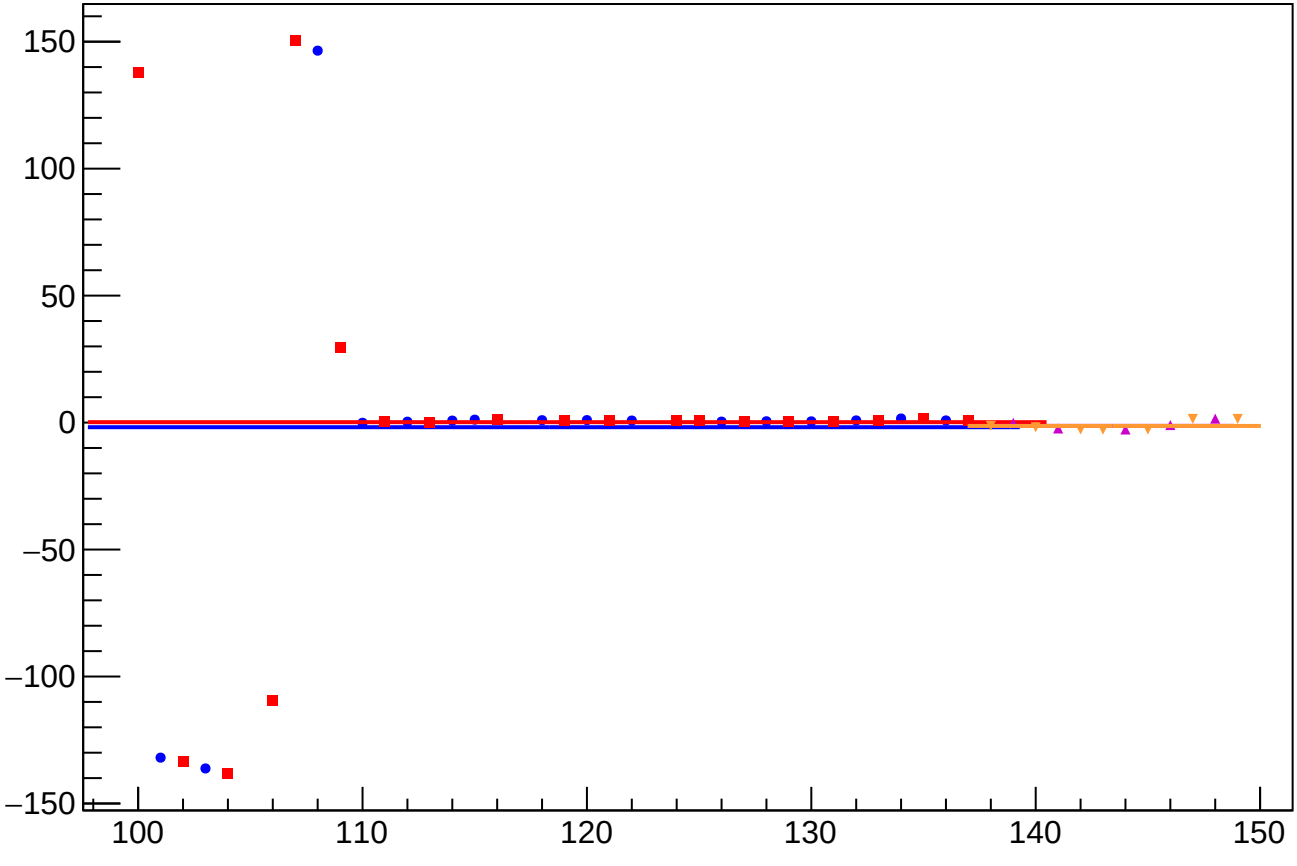
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:17763554.8/20

Out: 0.003+/-0.000 χ^2/NDF:18752425.5/25

All: 0.003+/-0.000 χ^2/NDF: 36516169.2/46

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.322+/-0.000 χ^2/NDF:49522520.9/6

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: -1.309+/-0.000 χ^2/NDF: 76958595.8/11

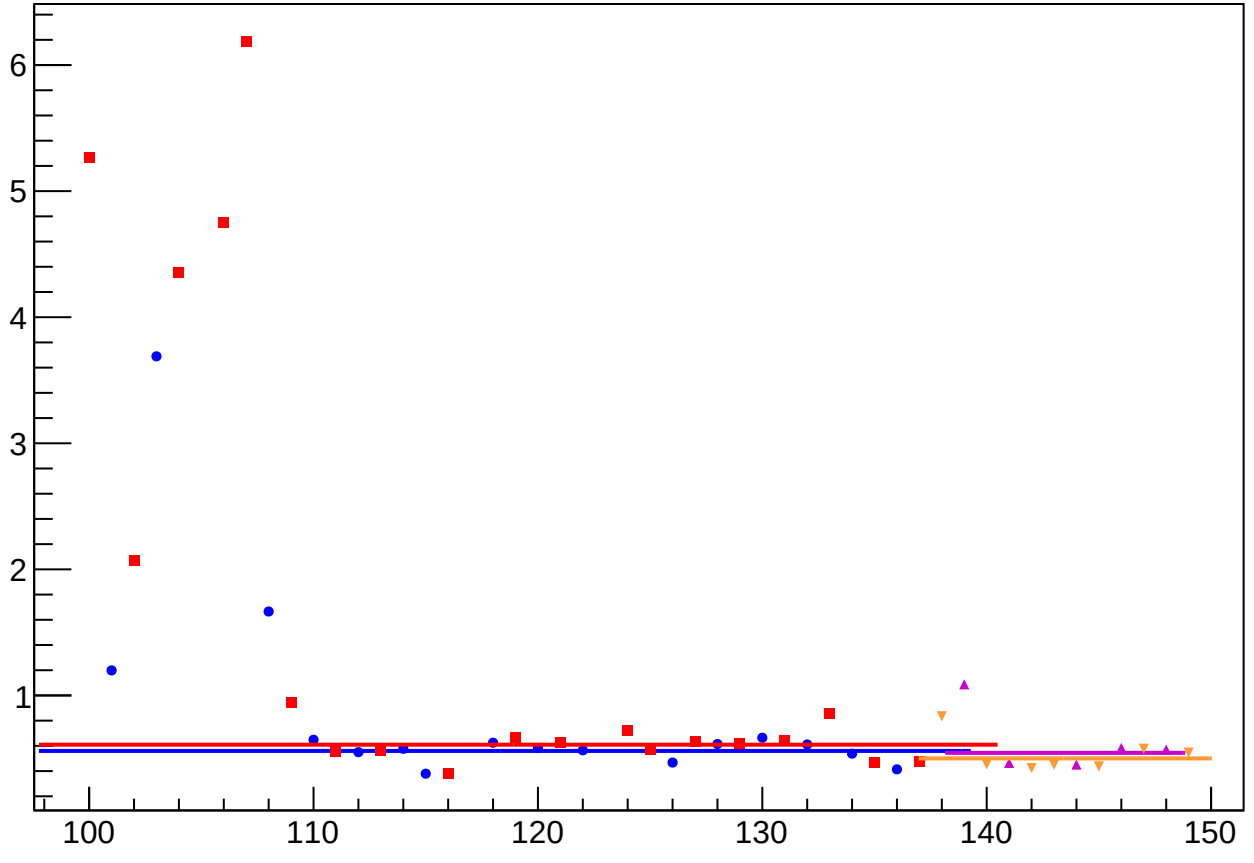
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.605+/-0.000 χ^2/NDF:9916415888.2/20

Out: -0.635+/-0.000 χ^2/NDF:3676686324.2/25

All: -1.104+/-0.000 χ^2/NDF: 13606262762.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.500+/-0.000 χ^2/NDF:317824.2/6

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: 0.519+/-0.000 χ^2/NDF: 863069.2/11

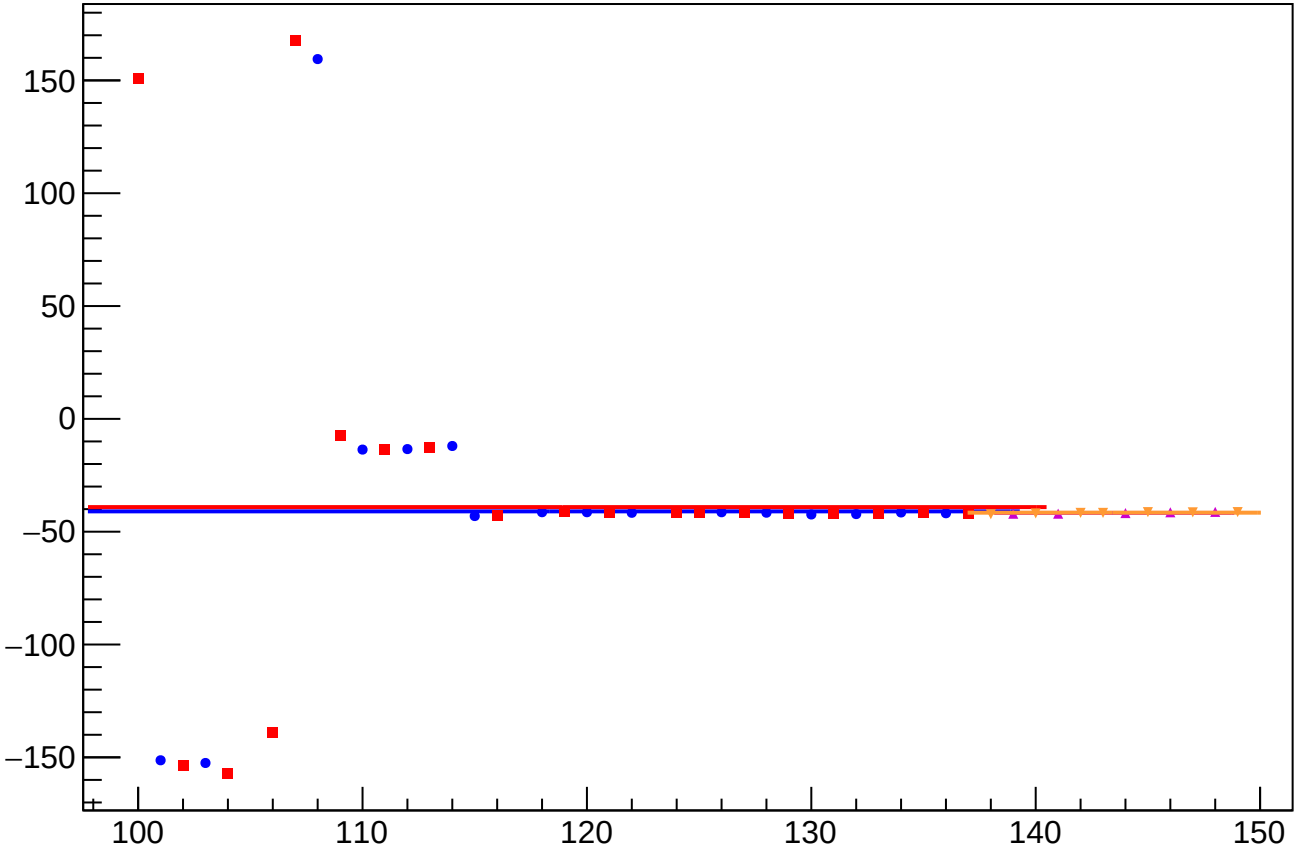
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.554+/-0.000 χ^2/NDF:2121868.8/20

Out: 0.551+/-0.000 χ^2/NDF:2964429.8/25

All: 0.552+/-0.000 χ^2/NDF: 5086523.1/46

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.570+/-0.000 χ^2/NDF:2965863.6/6

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: -41.618+/-0.000 χ^2/NDF: 5039980.4/11

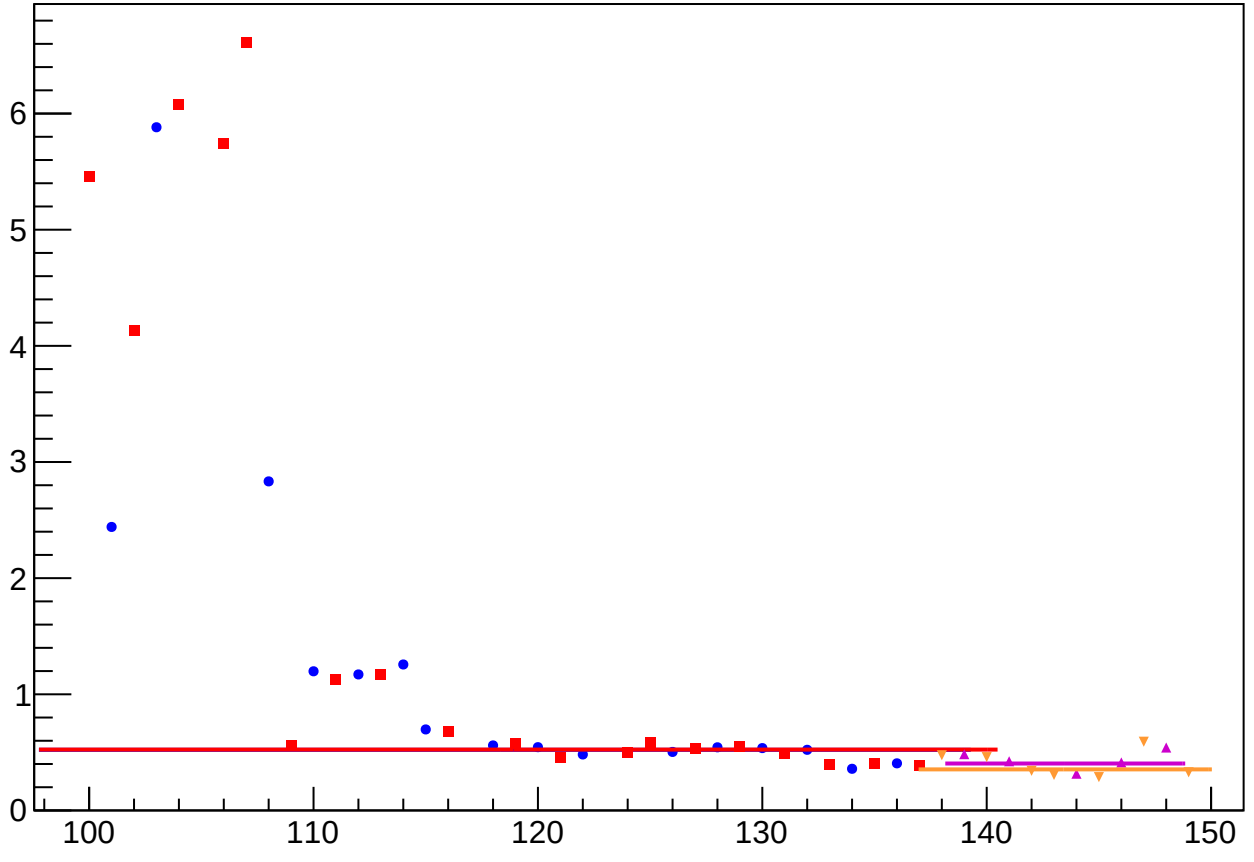
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.384+/-0.000 χ^2/NDF:3456649221.3/20

Out: -40.777+/-0.000 χ^2/NDF:2557194531.6/25

All: -41.037+/-0.000 χ^2/NDF: 6022650221.9/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.354+/-0.000 χ^2/NDF:558483.6/6

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.404+/-0.000 χ^2/NDF:279508.2/4

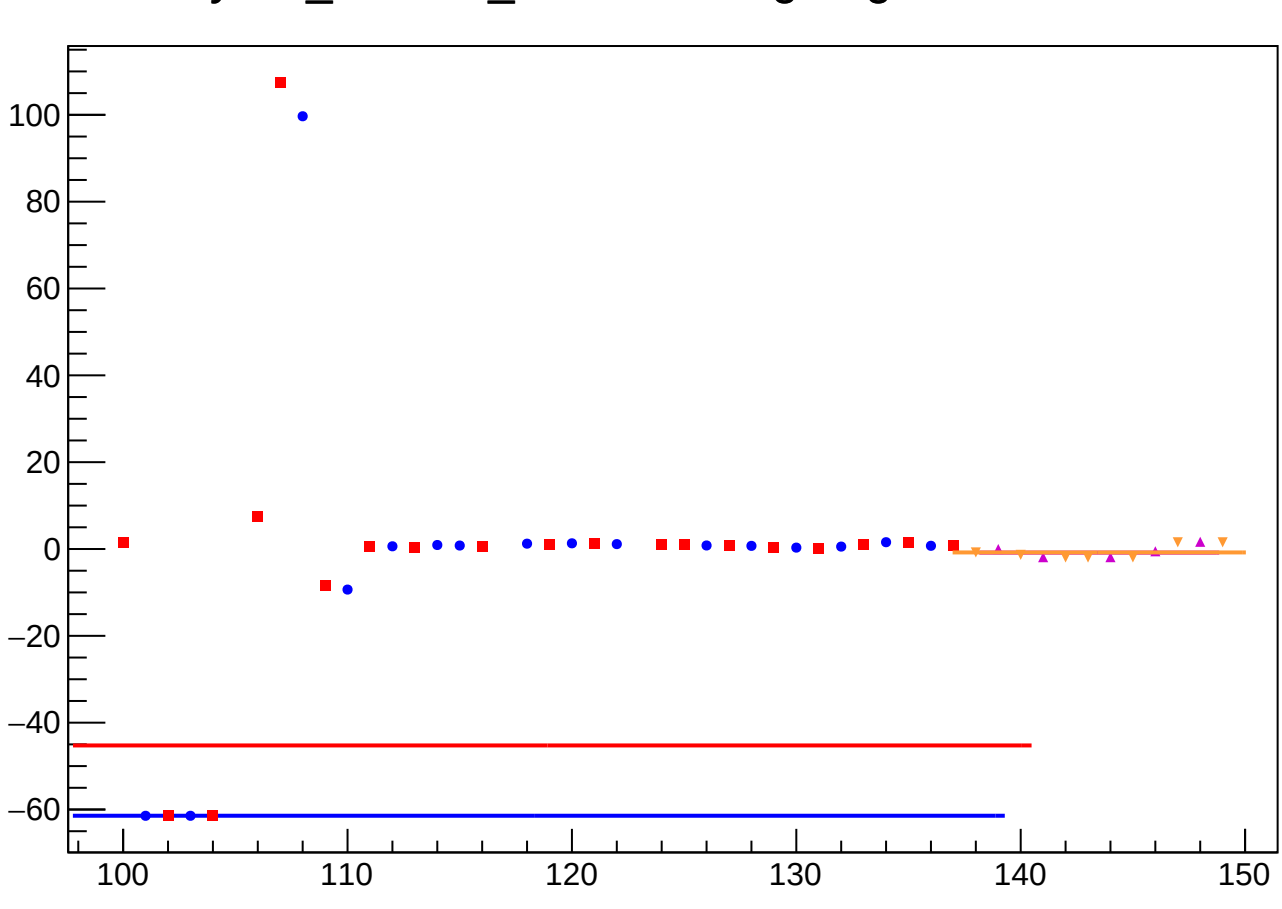
Left: 0.373+/-0.000 χ^2/NDF: 912181.6/11

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

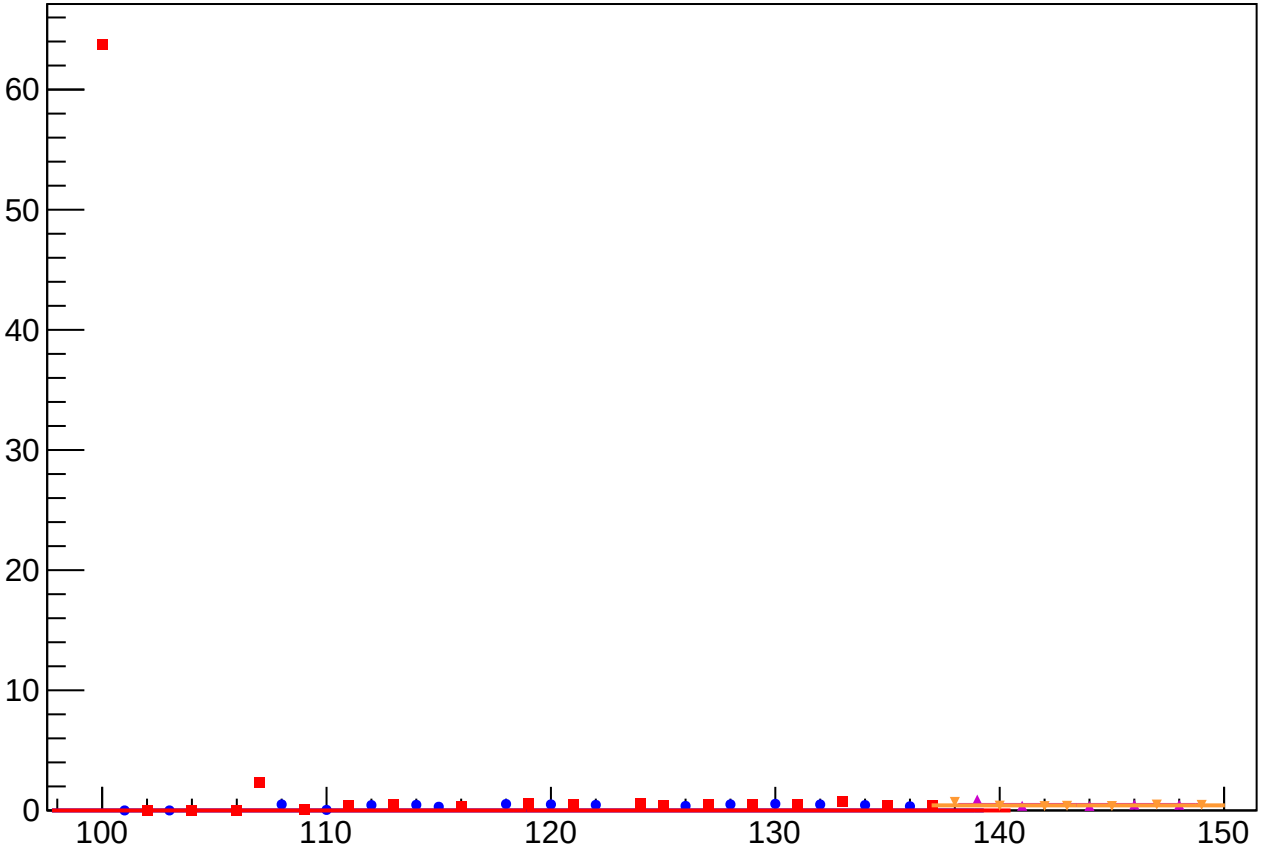
In: 0.456+/-0.000 χ^2/NDF:3516114.1/20

Out: 0.408+/-0.000 χ^2/NDF:4528877.6/25

All: 0.429+/-0.000 χ^2/NDF: 8153809.7/46


yield_cav4dX_mean vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: -61.436+/-0.000 χ²/NDF: 273496278670.9/15
Left Out: -0.789+/-0.000 χ²/NDF:49303447.8/6
Right Out: -45.245+/-0.000 χ²/NDF: 357870328061478.0/18
Left In: -0.835+/-0.000 χ²/NDF:28621607.8/4
Left: -0.808+/-0.000 χ²/NDF: 77944421.2/11
Right: -52.749+/-0.000 χ²/NDF: 409121918007227
In: -61.433+/-0.000 χ²/NDF:330546768991.5/20
Out: -45.243+/-0.000 χ²/NDF:357913519563215.1
All: -52.747+/-0.000 χ²/NDF: 409222777716

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.424+/-0.000 χ^2/NDF:317589.7/6

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: 0.438+/-0.000 χ^2/NDF: 852508.3/11

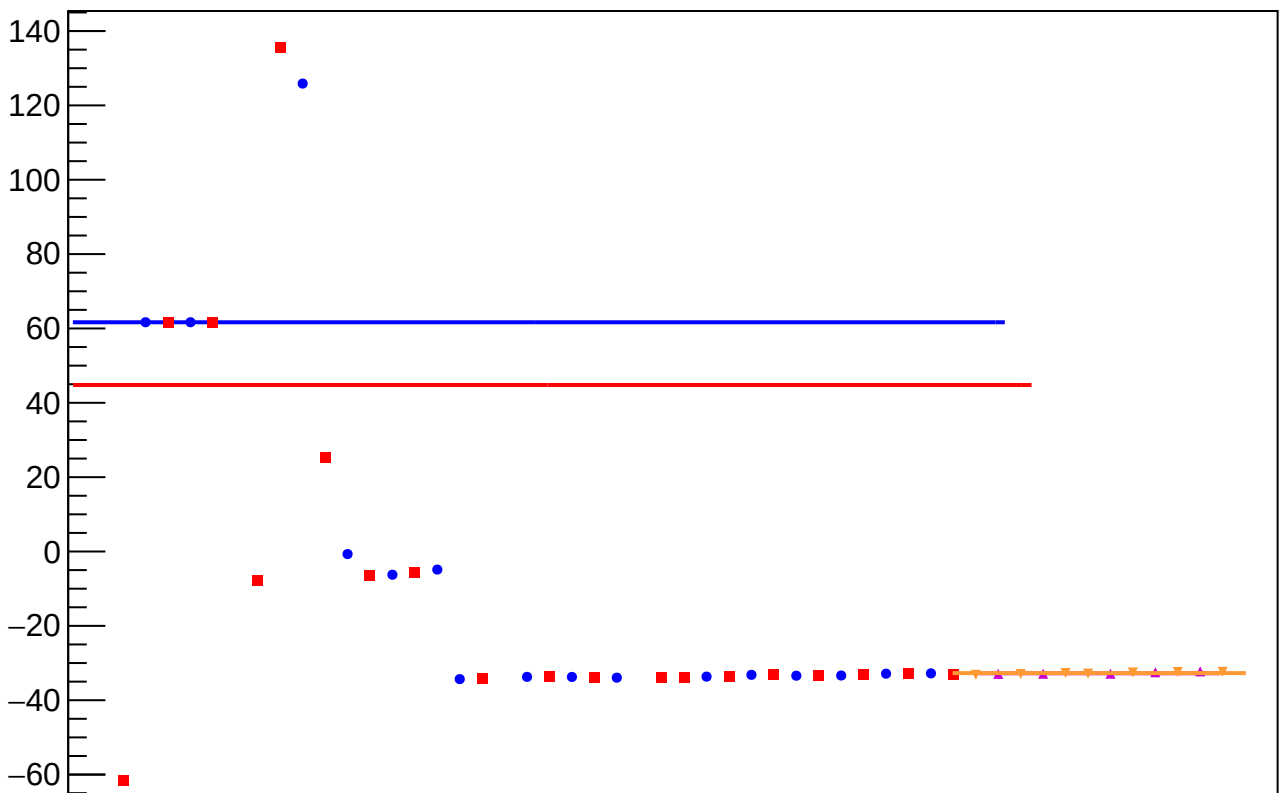
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:16129105.3/20

Out: 0.001+/-0.000 χ^2/NDF:17464142.2/25

All: 0.001+/-0.000 χ^2/NDF: 33593247.6/46

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.705+/-0.000 χ^2/NDF:3949590.4/6

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: -32.726+/-0.000 χ^2/NDF: 6006762.8/11

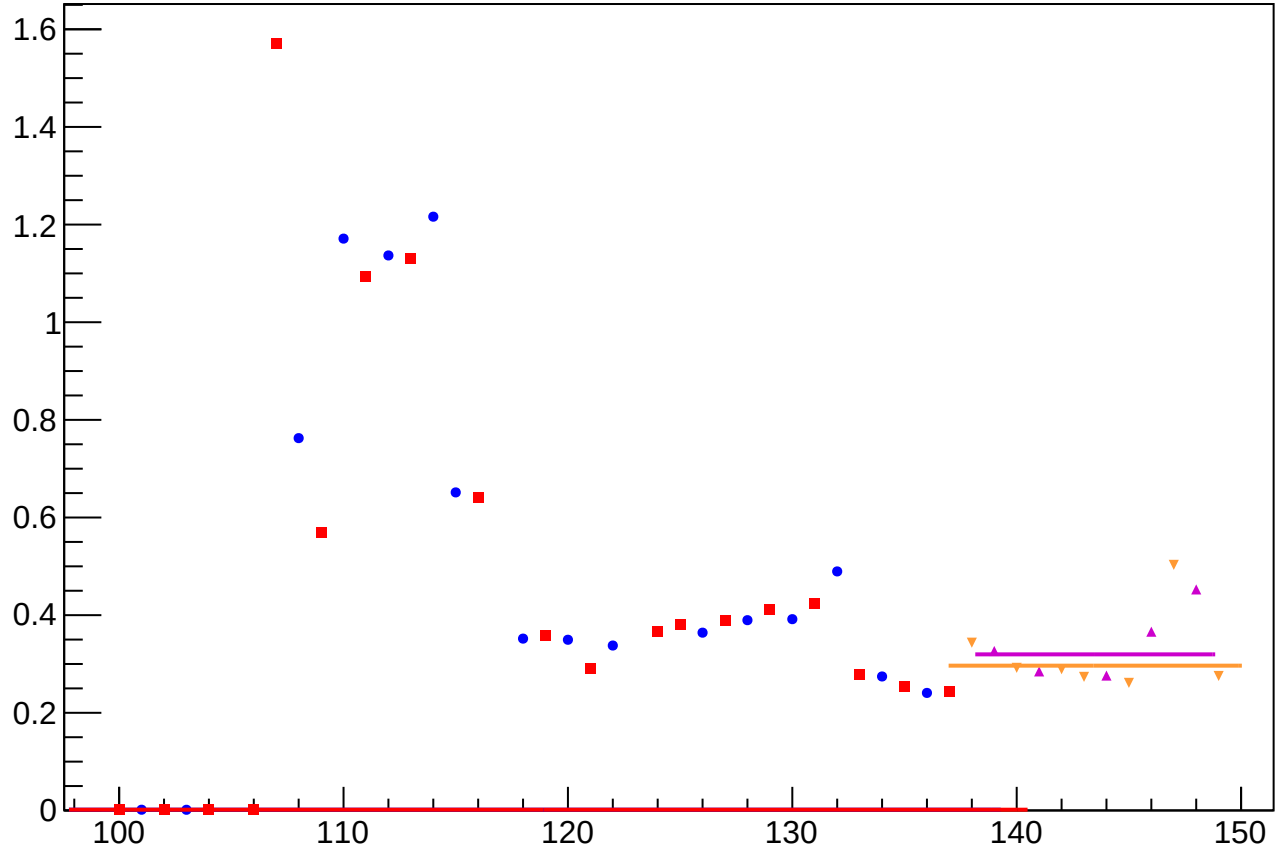
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.651+/-0.000 χ^2/NDF:719577241922.1/20

Out: 44.774+/-0.000 χ^2/NDF:366433698951924.2

All: 52.677+/-0.000 χ^2/NDF: 418266385629

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:347949.3/6

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: 0.306+/-0.000 χ^2/NDF: 603845.6/11

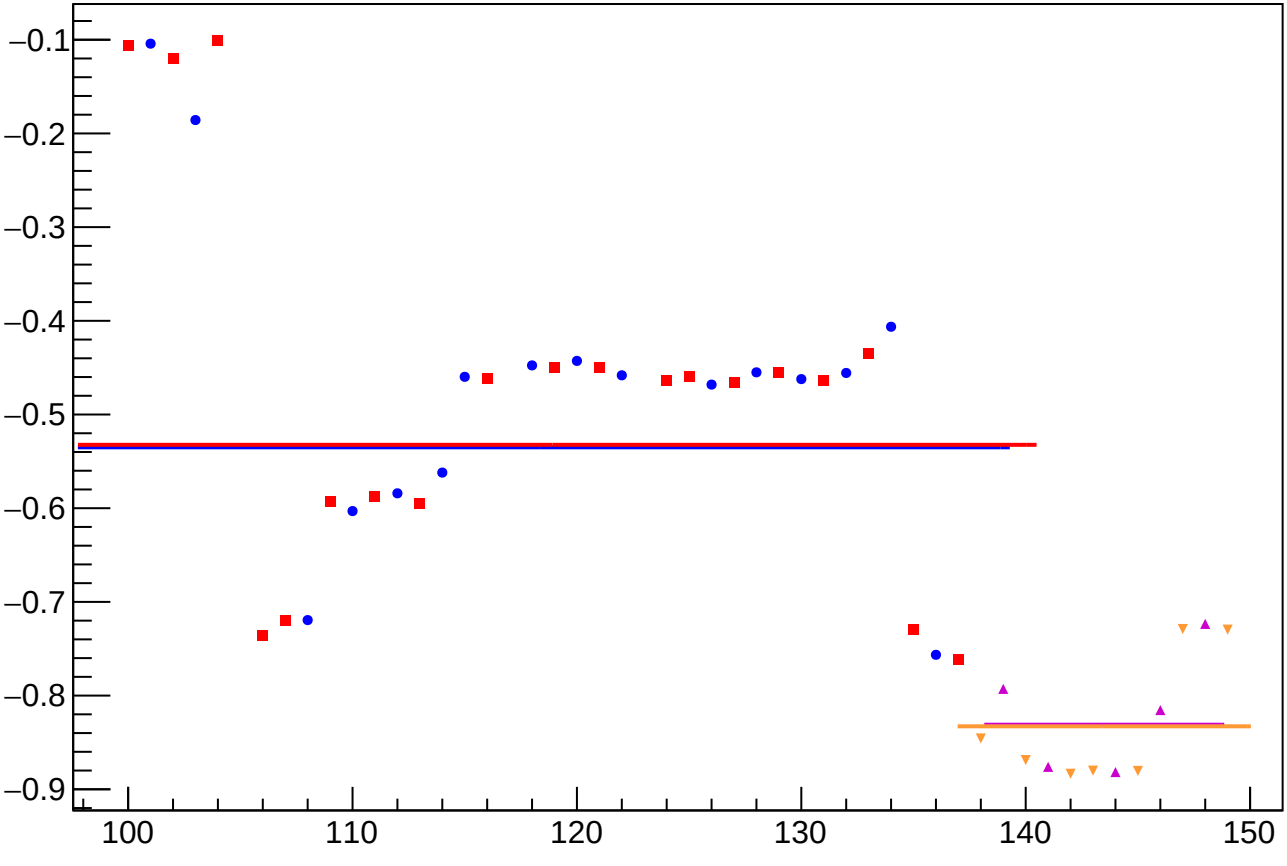
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:19208378.0/20

Out: 0.002+/-0.000 χ^2/NDF:20732676.2/25

All: 0.002+/-0.000 χ^2/NDF: 39941284.4/46

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.833+/-0.000 χ^2/NDF:51816129.7/6

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: -0.832+/-0.000 χ^2/NDF: 81710216.7/11

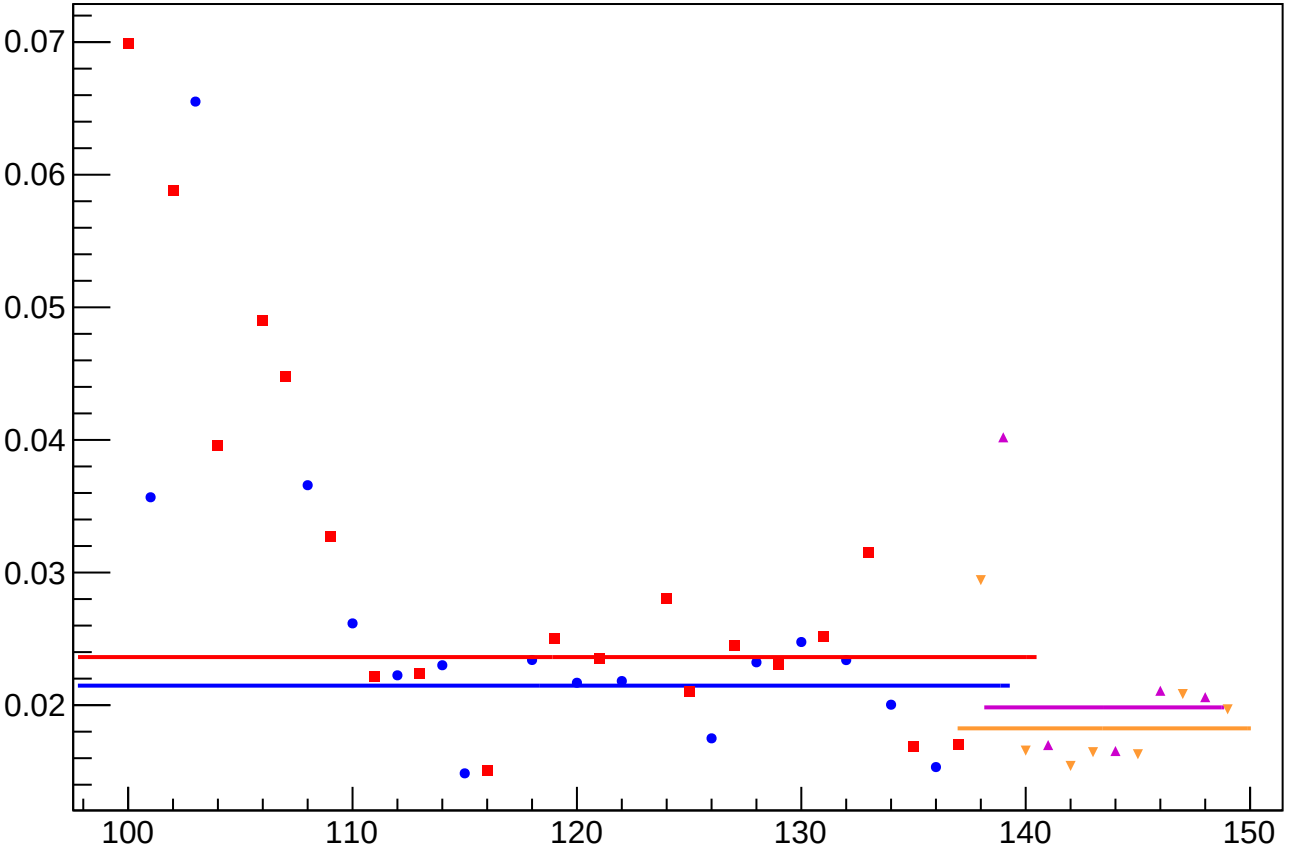
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.658+/-0.000 χ^2/NDF:752904147.0/20

Out: -0.694+/-0.000 χ^2/NDF:752586219.0/25

All: -0.677+/-0.000 χ^2/NDF: 1519506183.0/4

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:276956.3/6

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: 825782.4/11

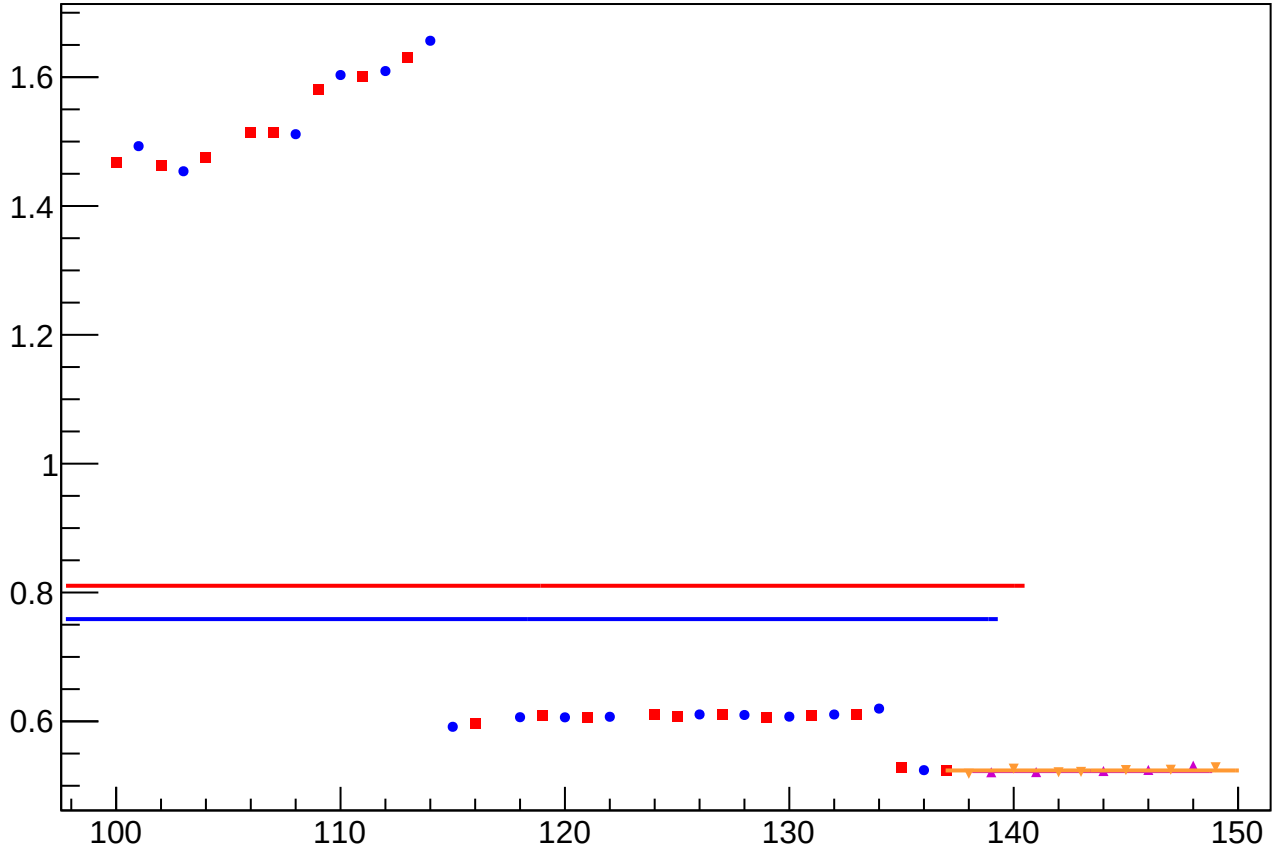
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704549.8/20

Out: 0.021+/-0.000 χ^2/NDF:1865732.1/25

All: 0.021+/-0.000 χ^2/NDF: 3570373.4/46

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.524+/-0.000 χ^2/NDF:384205.4/6

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: 562893.3/11

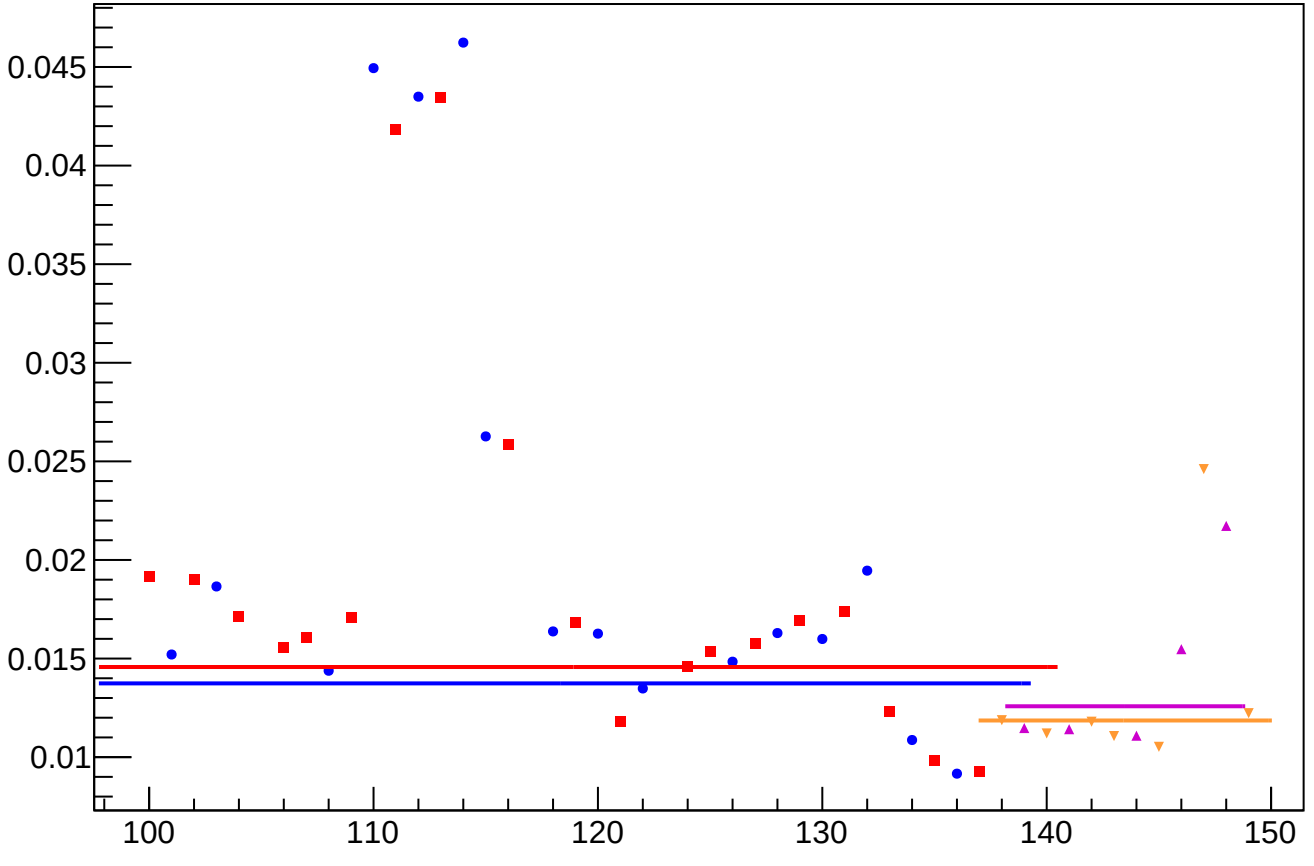
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.655+/-0.000 χ^2/NDF:5077928680.2/20

Out: 0.654+/-0.000 χ^2/NDF:6084151831.3/25

All: 0.655+/-0.000 χ^2/NDF: 11162083405.7/4

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:468761.3/6

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: 882678.6/11

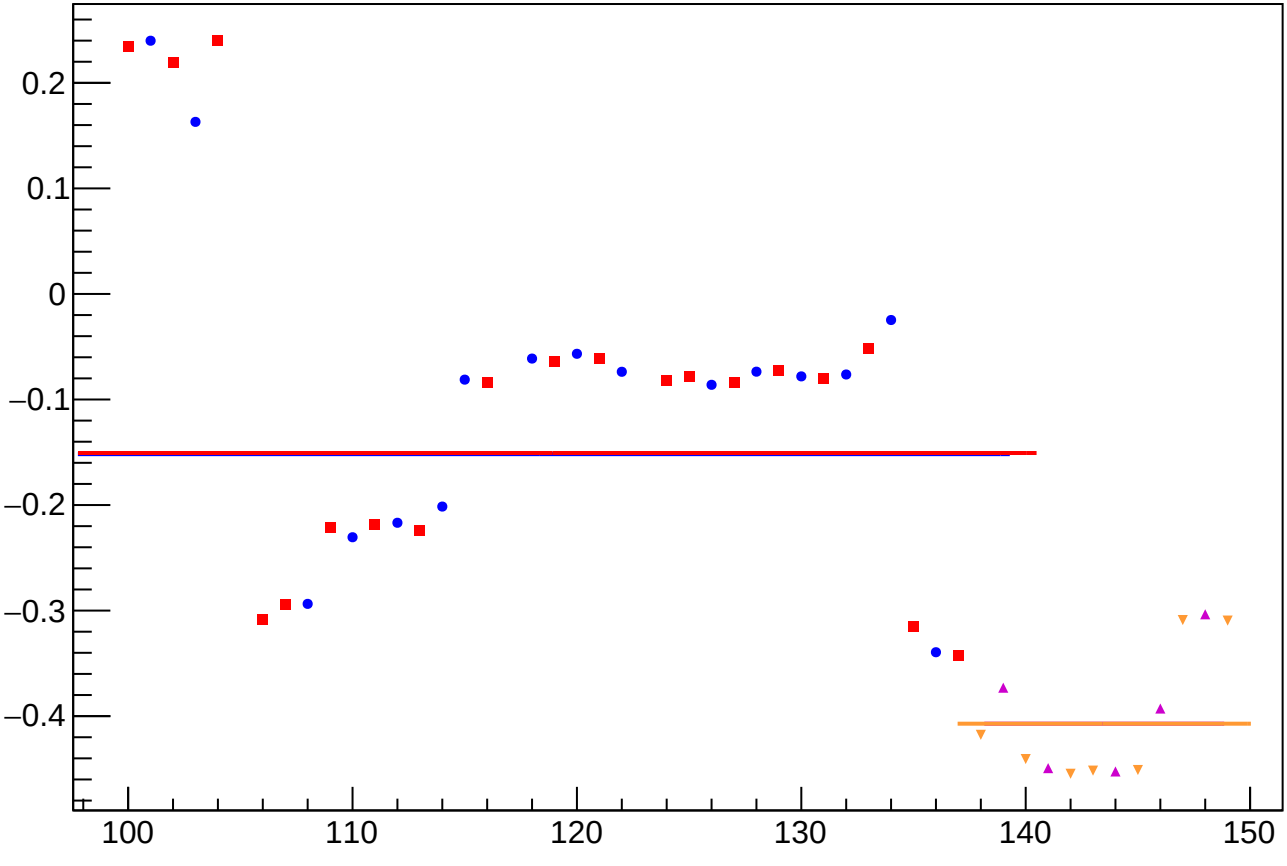
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2085961.4/20

Out: 0.013+/-0.000 χ^2/NDF:2159069.2/25

All: 0.013+/-0.000 χ^2/NDF: 4246112.5/46

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.407+/-0.000 χ^2/NDF:50724620.1/6

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: -0.407+/-0.000 χ^2/NDF: 80373329.1/11

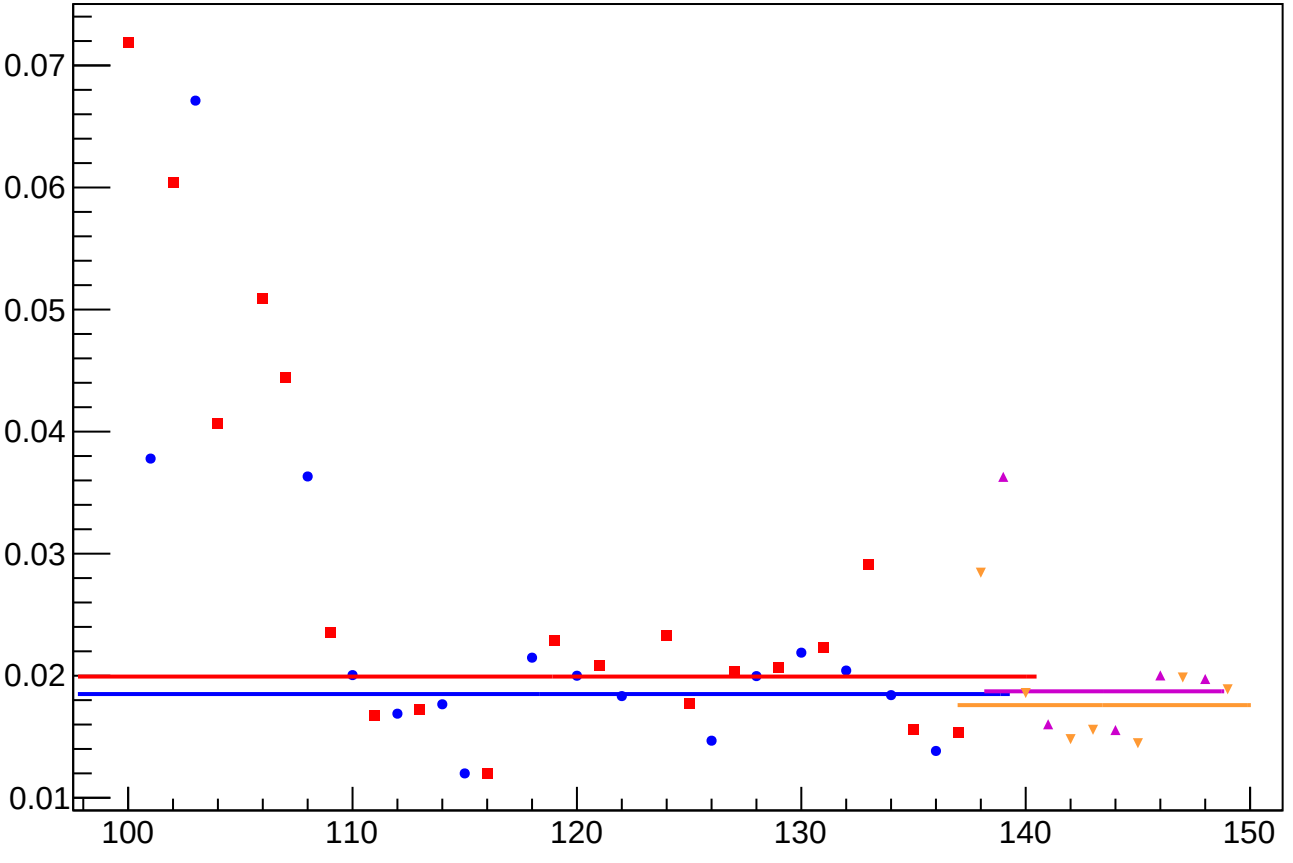
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.248+/-0.000 χ^2/NDF:685928627.5/20

Out: -0.275+/-0.000 χ^2/NDF:686422684.5/25

All: -0.262+/-0.000 χ^2/NDF: 1381409619.2/4

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:316912.1/6

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: 825204.0/11

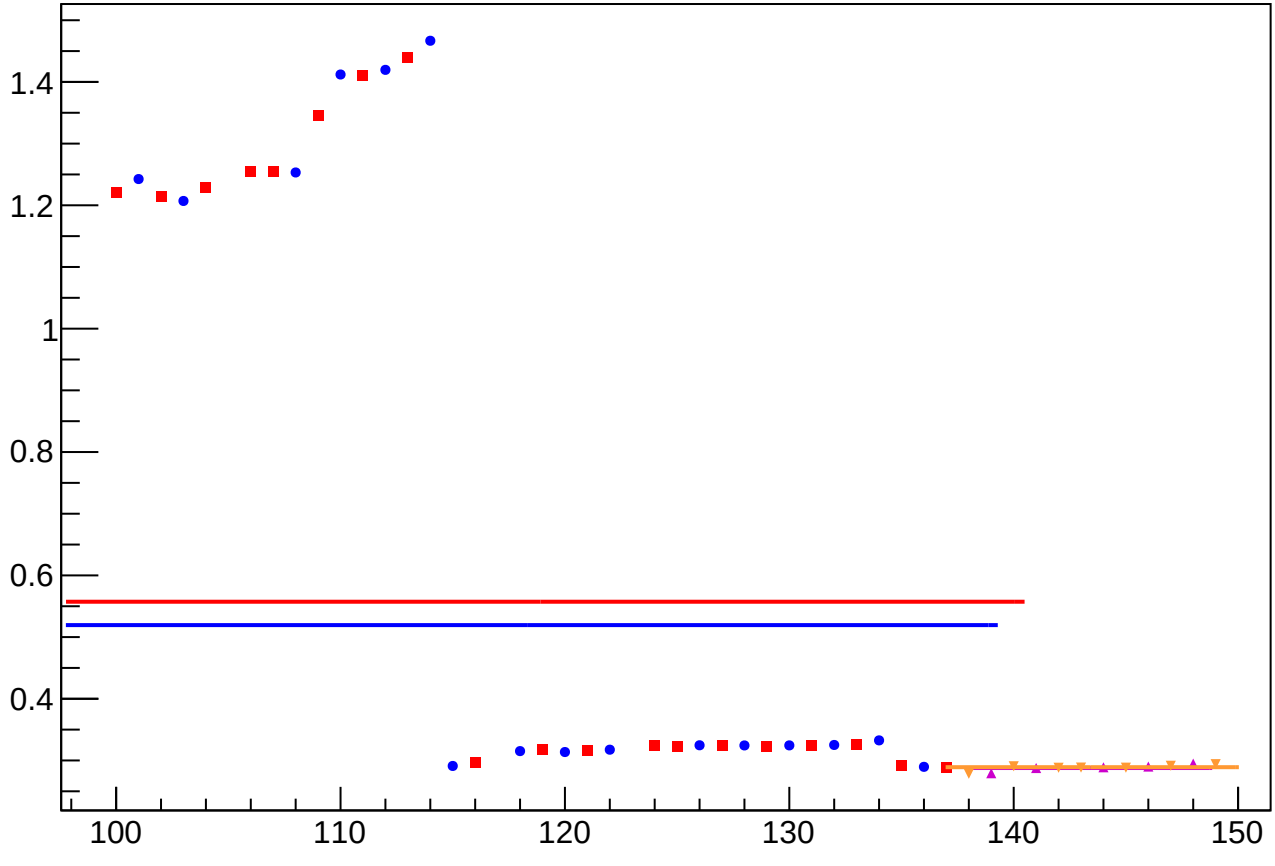
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1867392.0/20

Out: 0.019+/-0.000 χ^2/NDF:1937116.8/25

All: 0.019+/-0.000 χ^2/NDF: 3805705.0/46

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.289+/-0.000 χ^2/NDF:714501.2/6

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: 0.289+/-0.000 χ^2/NDF: 1334122.4/11

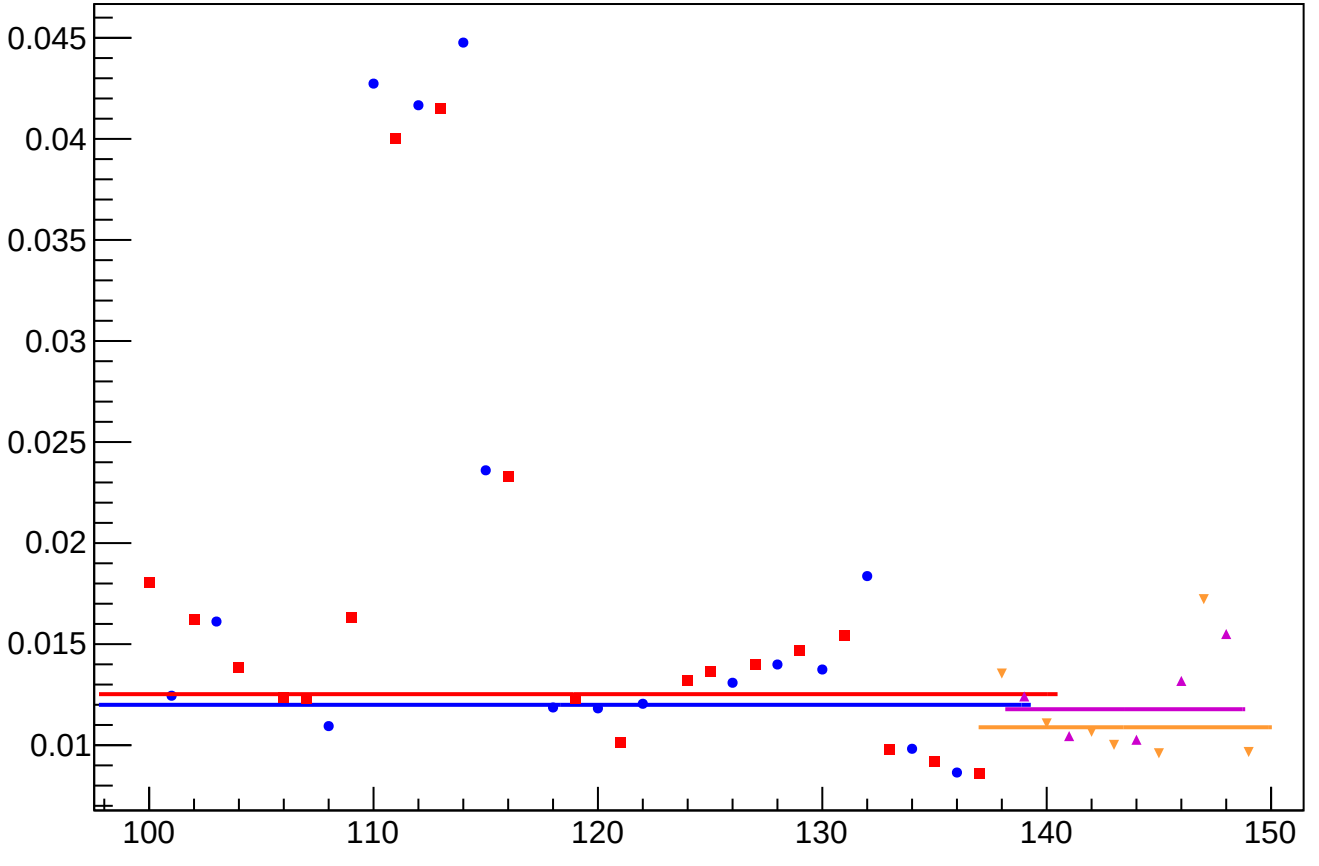
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.424+/-0.000 χ^2/NDF:7237187060.6/20

Out: 0.418+/-0.000 χ^2/NDF:8200874648.0/25

All: 0.421+/-0.000 χ^2/NDF: 15439142237.1/4

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:341746.7/6

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: 547239.4/11

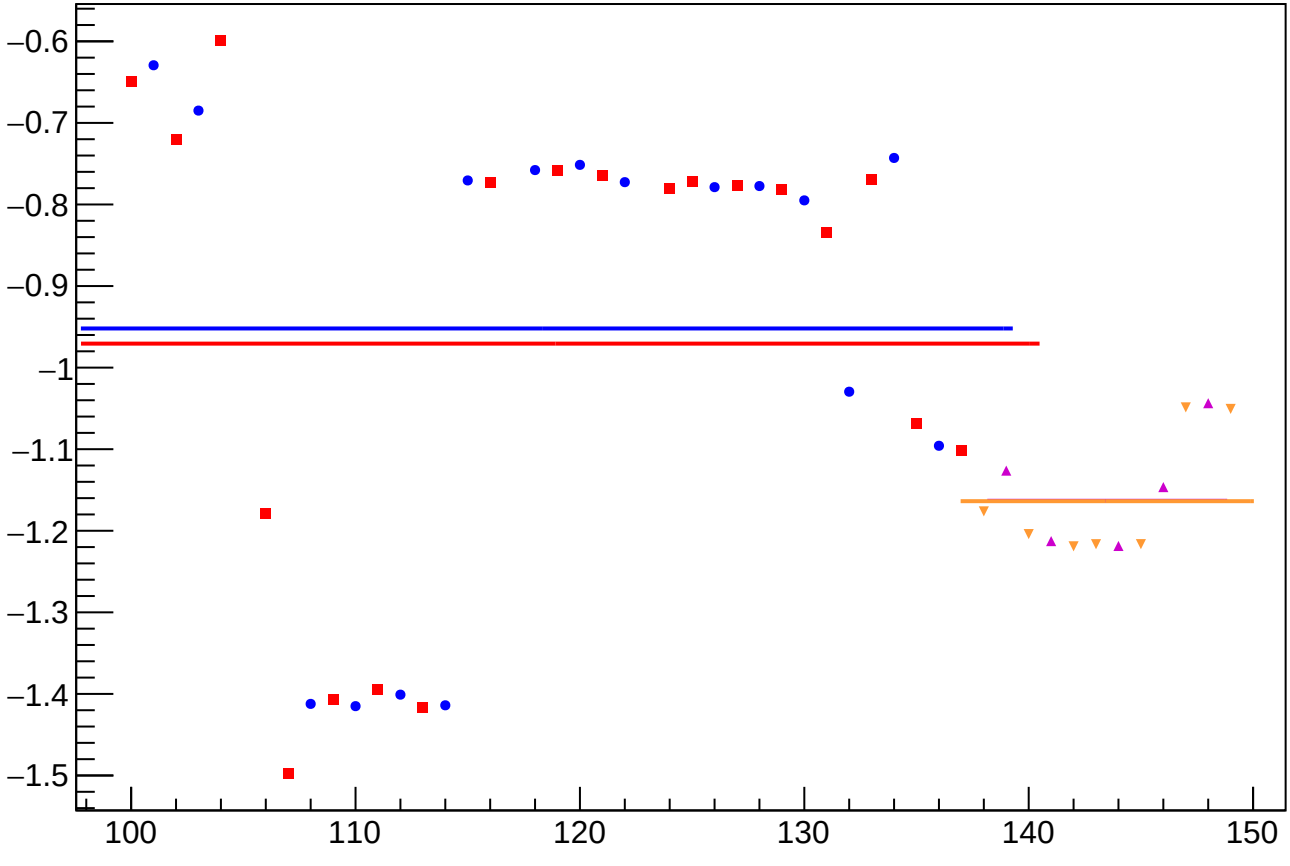
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1671331.9/20

Out: 0.012+/-0.000 χ^2/NDF:1884446.7/25

All: 0.012+/-0.000 χ^2/NDF: 3559779.8/46

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.164+/-0.000 χ^2/NDF:66202087.5/6

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: -1.164+/-0.000 χ^2/NDF: 104372917.3/11

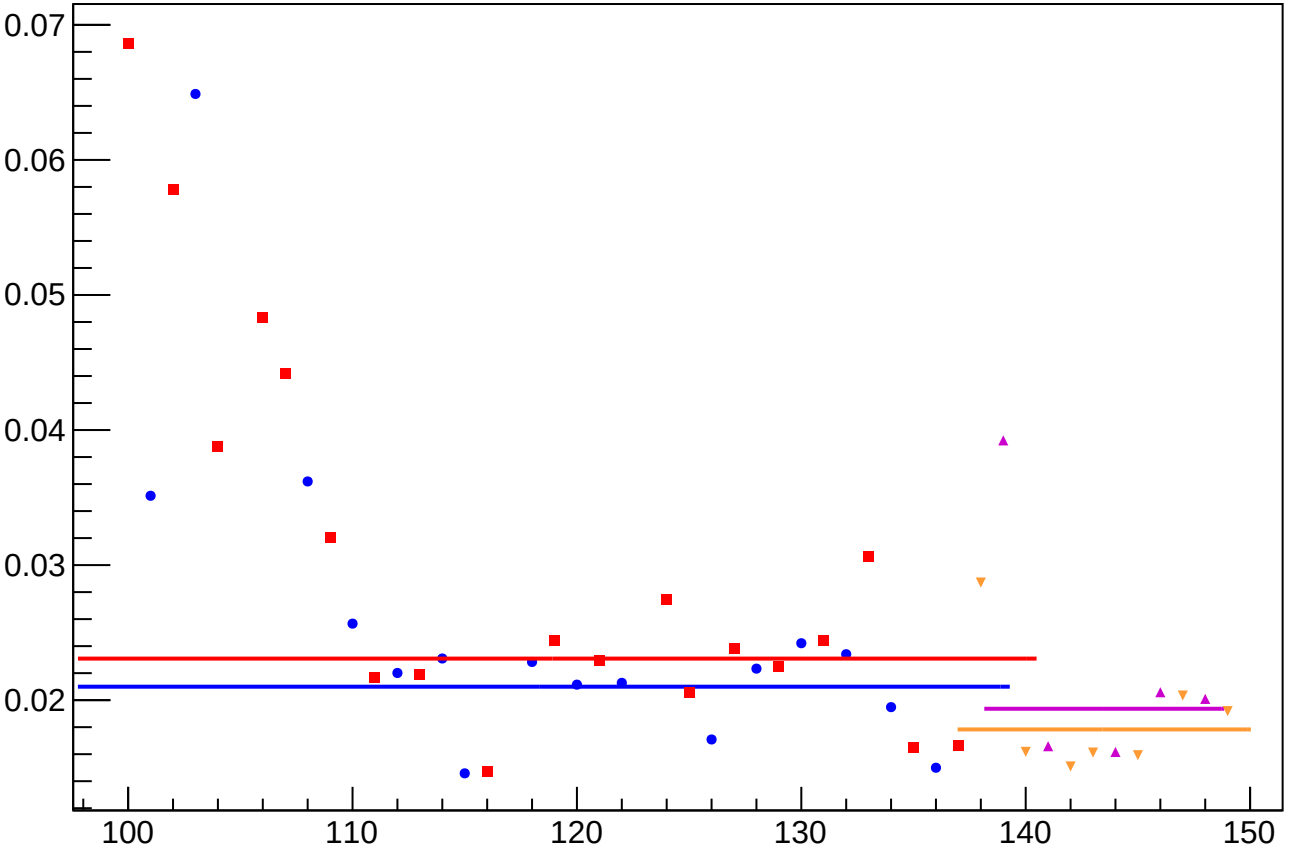
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.040+/-0.000 χ^2/NDF:962733528.7/20

Out: -1.075+/-0.000 χ^2/NDF:991145492.5/25

All: -1.058+/-0.000 χ^2/NDF: 1967310262.2/4

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:274550.3/6

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: 822111.0/11

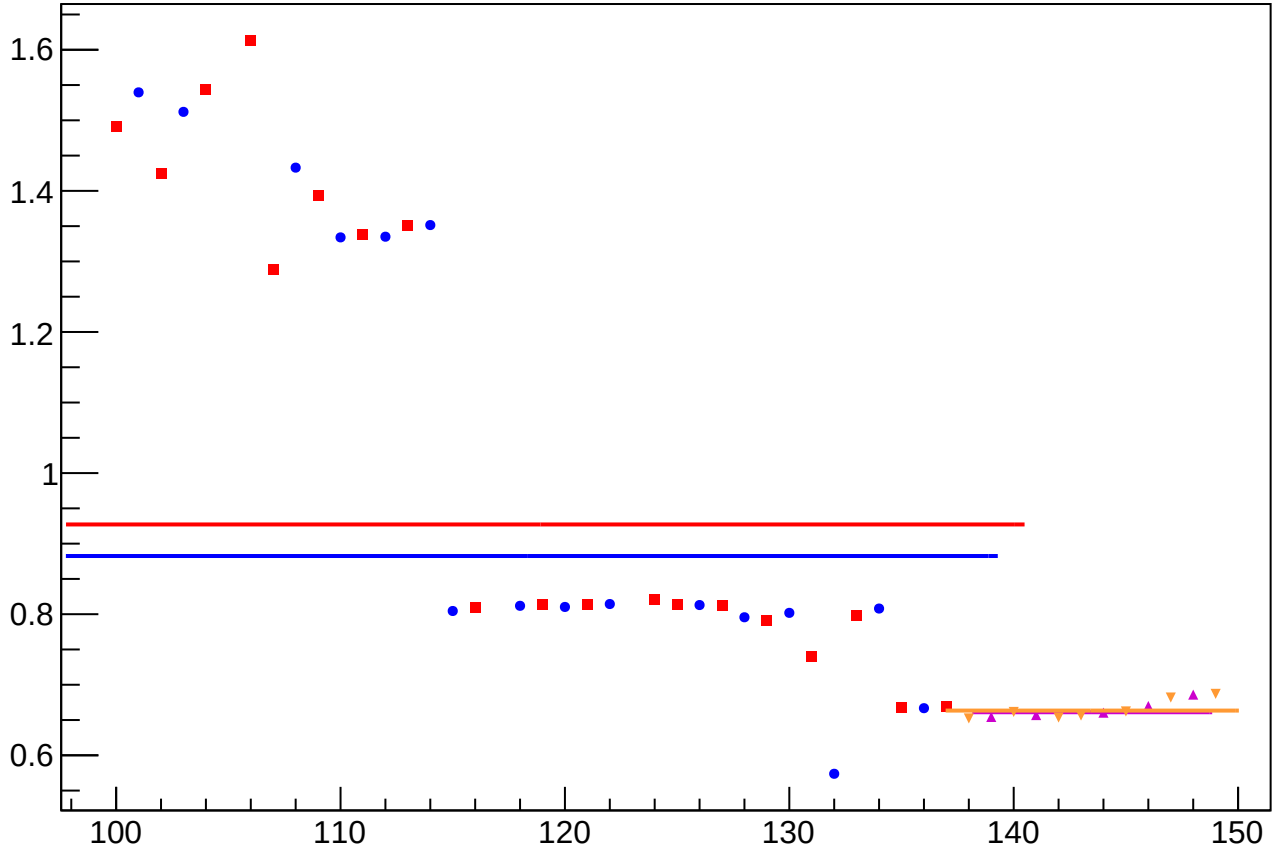
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717706.3/20

Out: 0.020+/-0.000 χ^2/NDF:1866320.7/25

All: 0.020+/-0.000 χ^2/NDF: 3584153.1/46

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.663+/-0.000 χ^2/NDF:4827800.3/6

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: 0.662+/-0.000 χ^2/NDF: 6592808.3/11

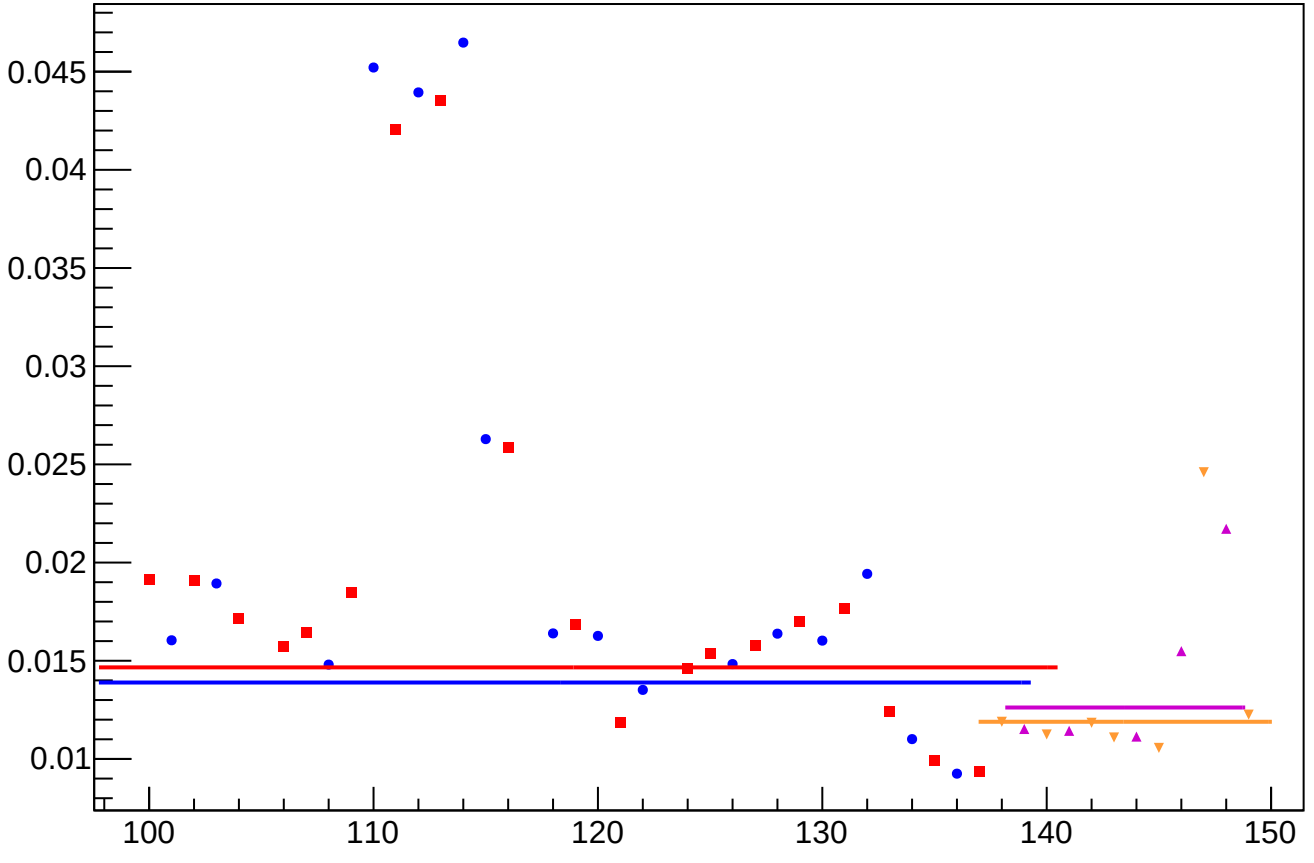
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.784+/-0.000 χ^2/NDF:3457232255.8/20

Out: 0.783+/-0.000 χ^2/NDF:3867151269.9/25

All: 0.783+/-0.000 χ^2/NDF: 7324409971.7/46

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:465240.5/6

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: 875062.0/11

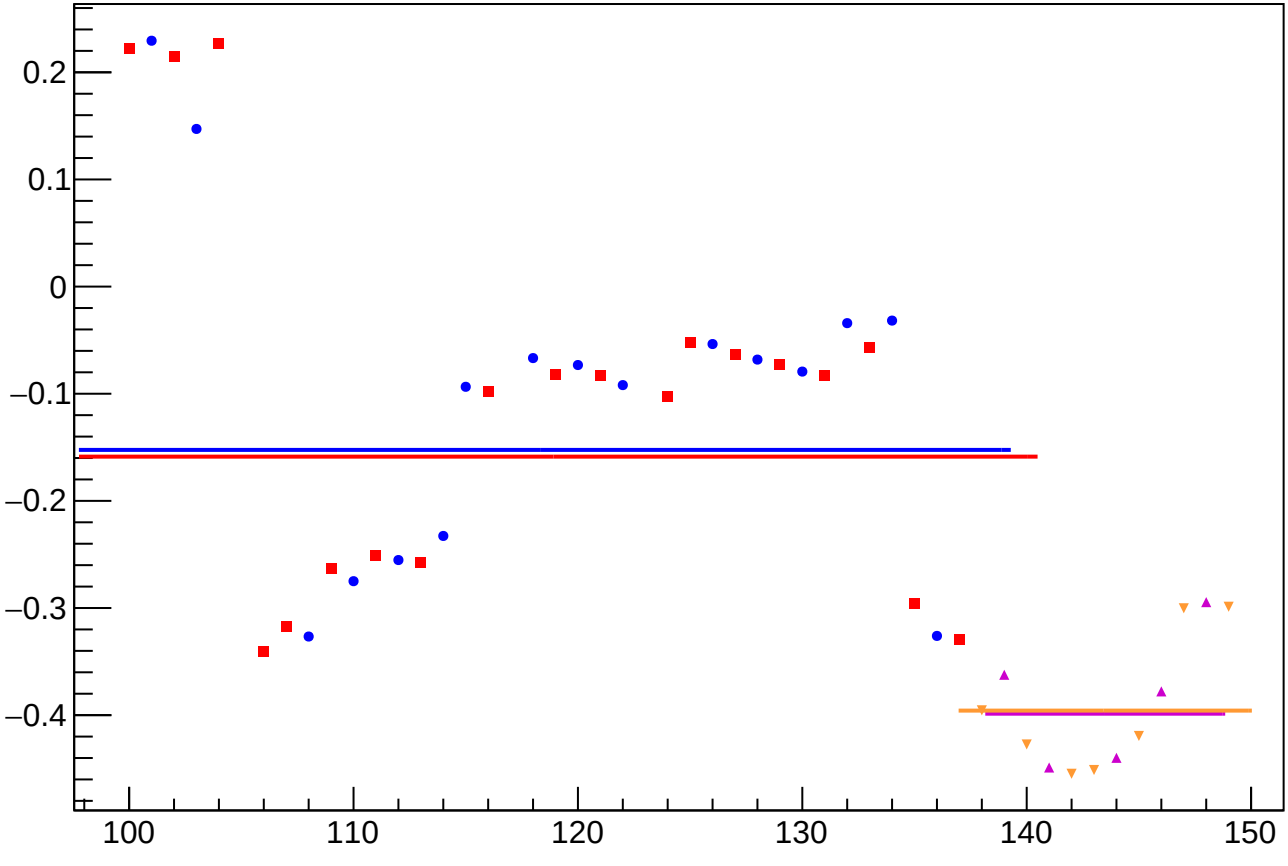
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2085597.7/20

Out: 0.013+/-0.000 χ^2/NDF:2174664.7/25

All: 0.013+/-0.000 χ^2/NDF: 4262135.2/46

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.396+/-0.000 χ^2/NDF:48997529.3/6

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: -0.397+/-0.000 χ^2/NDF: 79707609.8/11

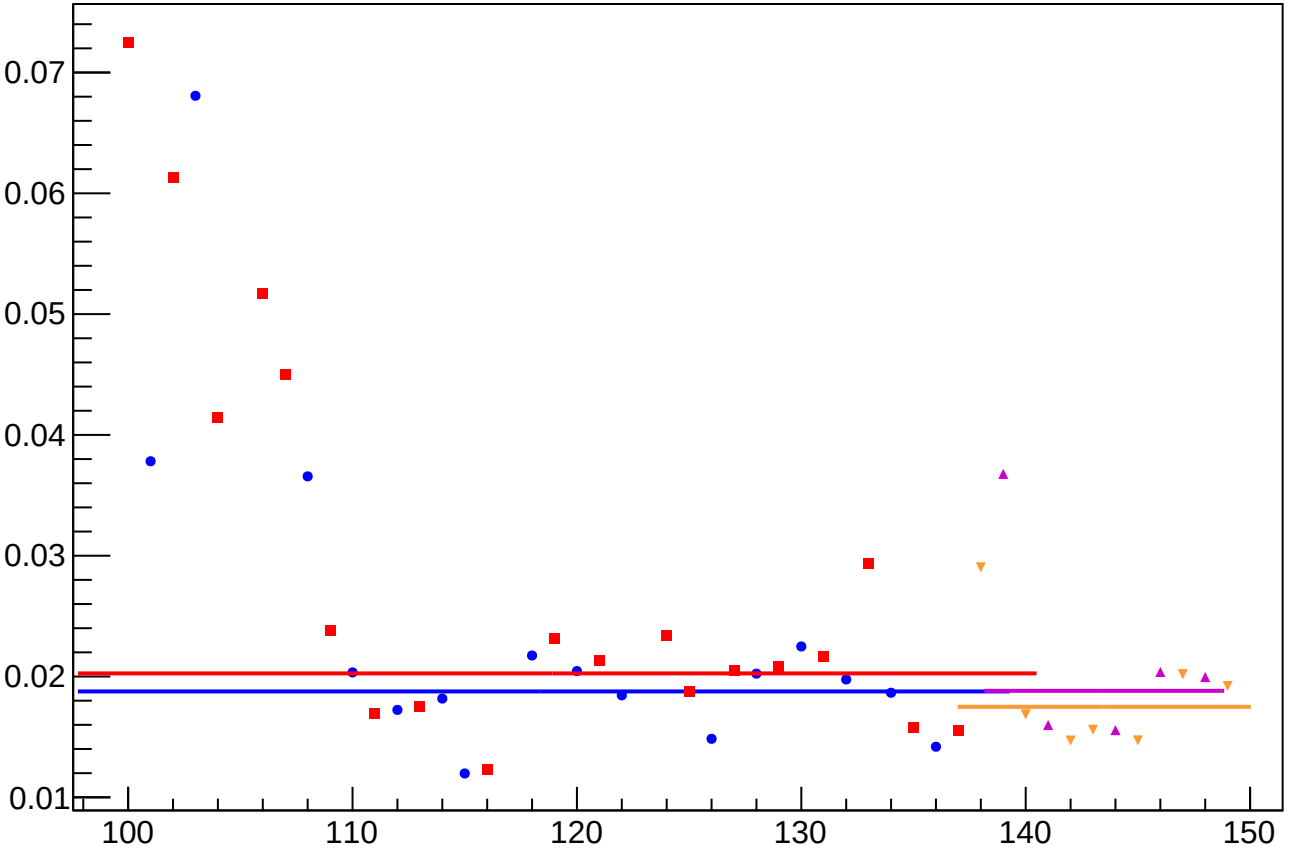
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.246+/-0.000 χ^2/NDF:651013384.3/20

Out: -0.275+/-0.000 χ^2/NDF:611722819.3/25

All: -0.261+/-0.000 χ^2/NDF: 1273506807.7/4

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:331354.5/6

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: 860249.5/11

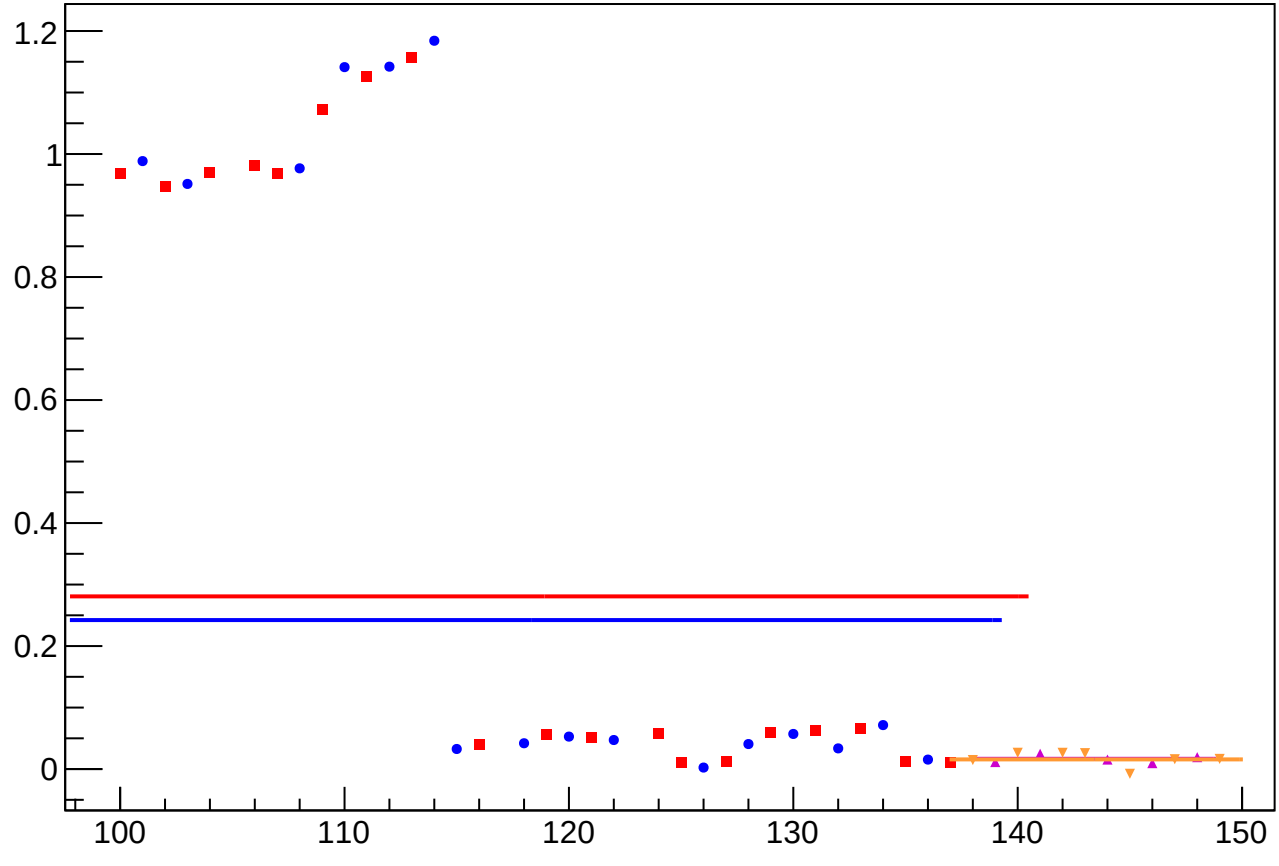
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1859500.9/20

Out: 0.019+/-0.000 χ^2/NDF:1960965.7/25

All: 0.019+/-0.000 χ^2/NDF: 3820776.2/46

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:6780480.4/6

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: 7772980.9/11

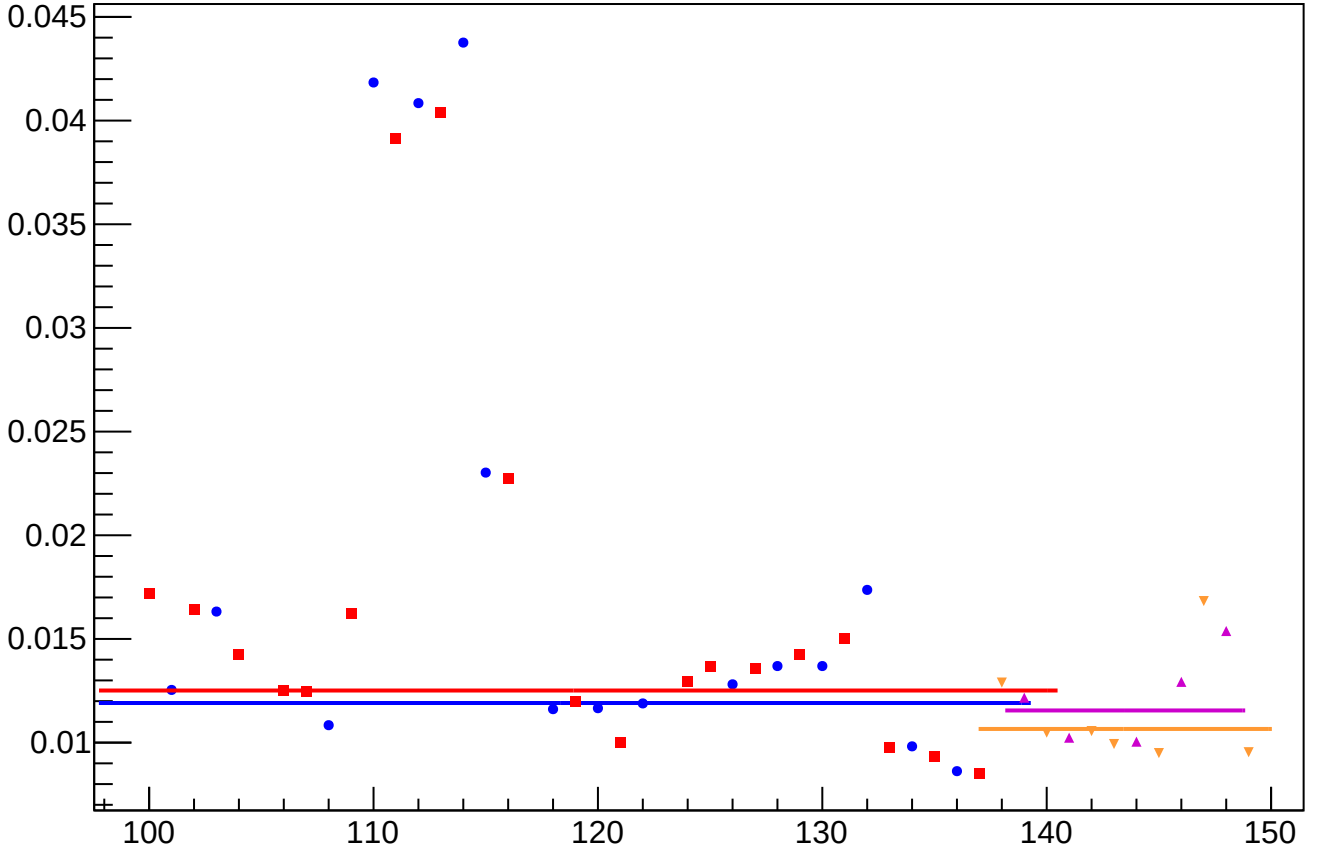
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.148+/-0.000 χ^2/NDF:7403995254.9/20

Out: 0.141+/-0.000 χ^2/NDF:8216205574.1/25

All: 0.144+/-0.000 χ^2/NDF: 15622099423.4/4

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:315348.1/6

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: 531260.7/11

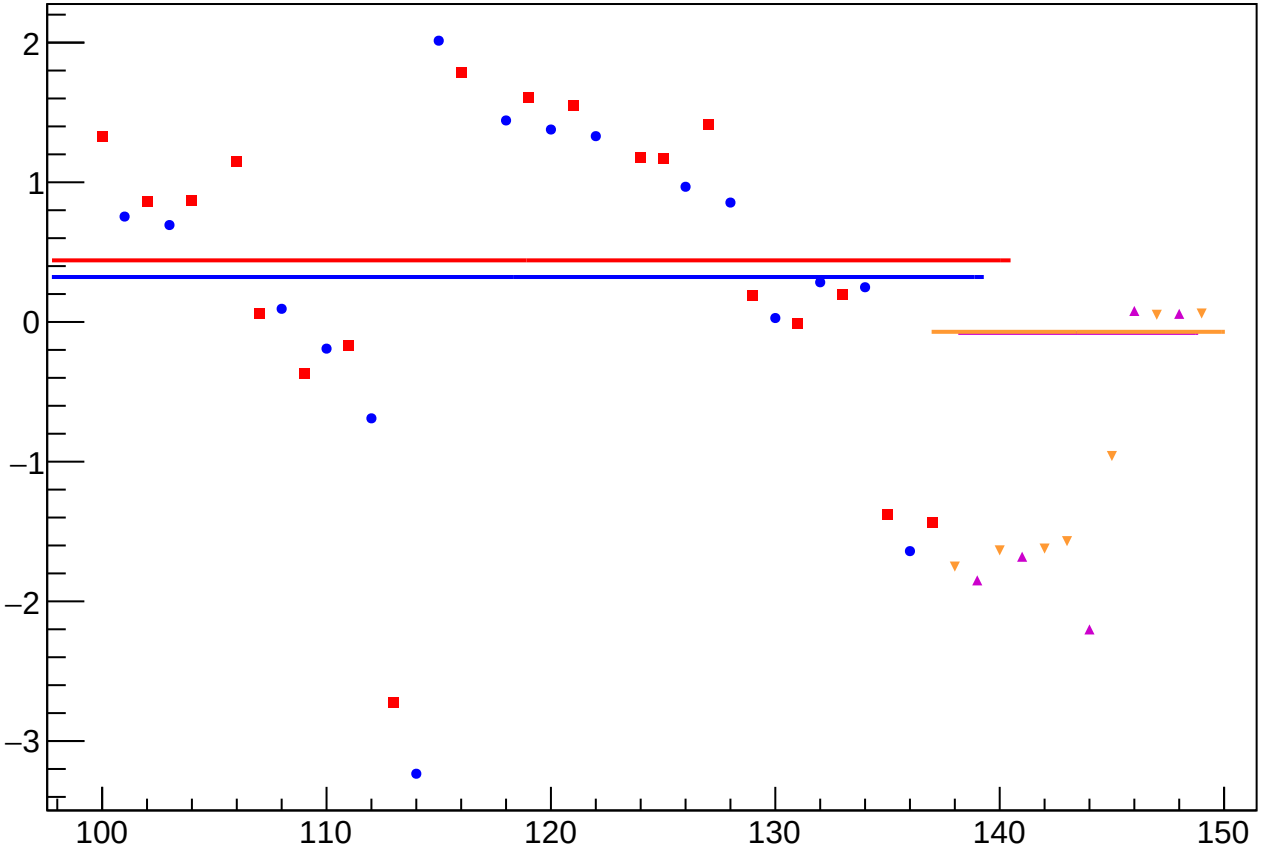
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1651415.0/20

Out: 0.012+/-0.000 χ^2/NDF:1849863.2/25

All: 0.012+/-0.000 χ^2/NDF: 3505207.2/46

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -0.070+/-0.000 χ^2/NDF:1088852285.3/6

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: -0.074+/-0.000 χ^2/NDF: 2686887754.3/11

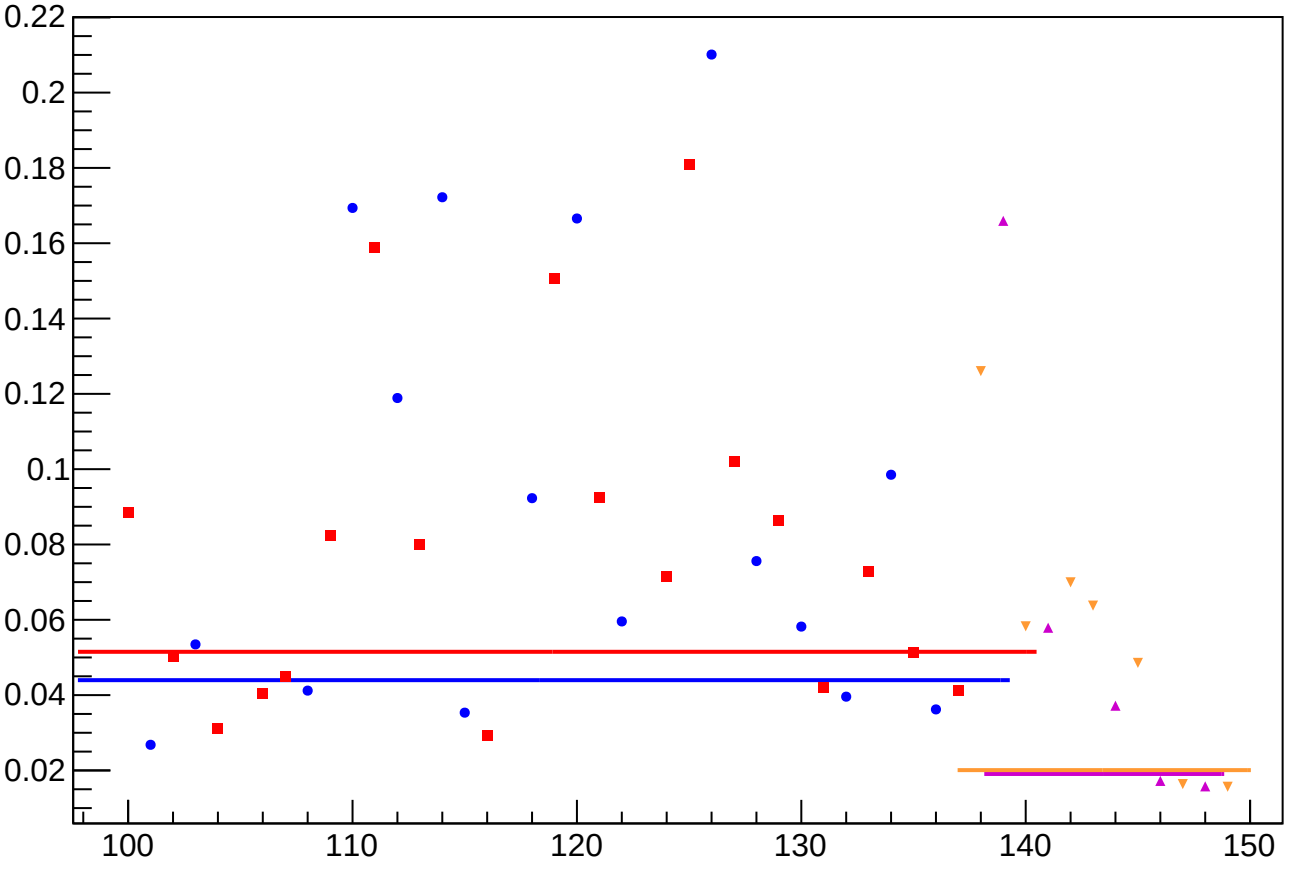
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.026+/-0.000 χ^2/NDF:3497467340.0/20

Out: 0.036+/-0.000 χ^2/NDF:3226998804.1/25

All: 0.031+/-0.000 χ^2/NDF: 6724795594.3/46

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:2563594.5/6

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: 0.020+/-0.000 χ^2/NDF: 4445569.9/11

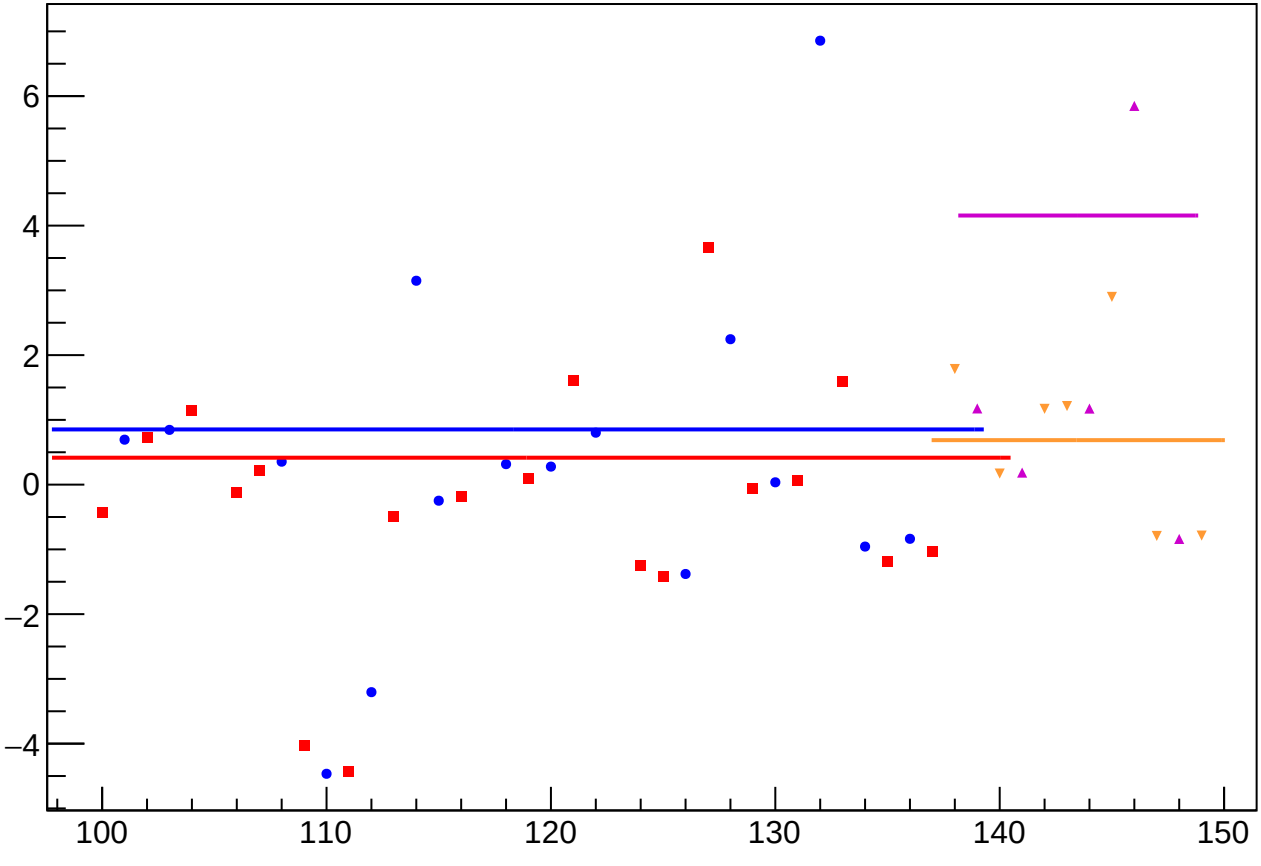
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.026+/-0.000 χ^2/NDF:6482818.8/20

Out: 0.027+/-0.000 χ^2/NDF:7507583.1/25

All: 0.026+/-0.000 χ^2/NDF: 13998544.8/46

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.687+/-0.000 χ^2/NDF:27763094834.4/6

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: 2.077+/-0.000 χ^2/NDF: 118107853356.3/11

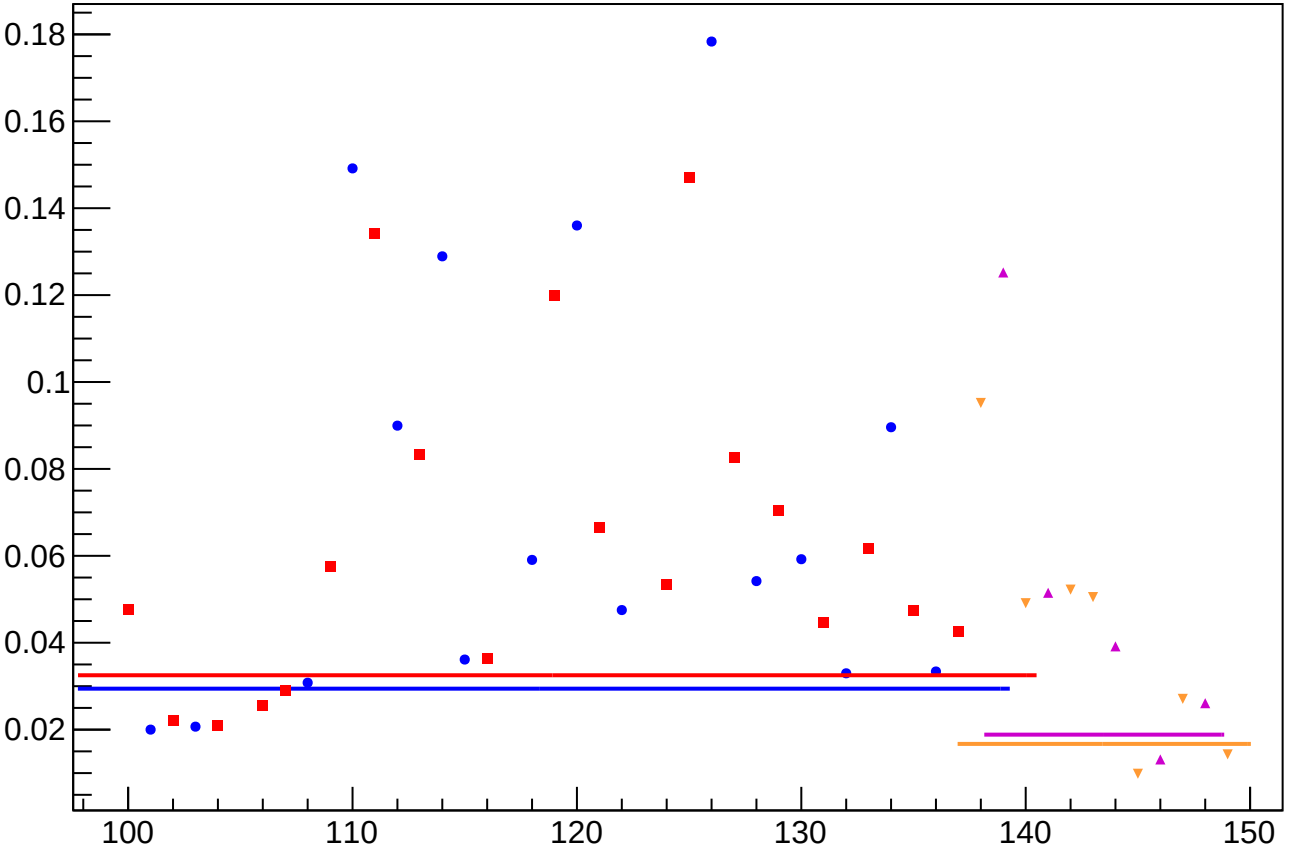
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 2.787+/-0.000 χ^2/NDF:85708367586.2/20

Out: 0.605+/-0.000 χ^2/NDF:33085011135.4/25

All: 1.572+/-0.000 χ^2/NDF: 146053378874.9

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:2538860.5/6

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: 0.018+/-0.000 χ^2/NDF: 4709122.9/11

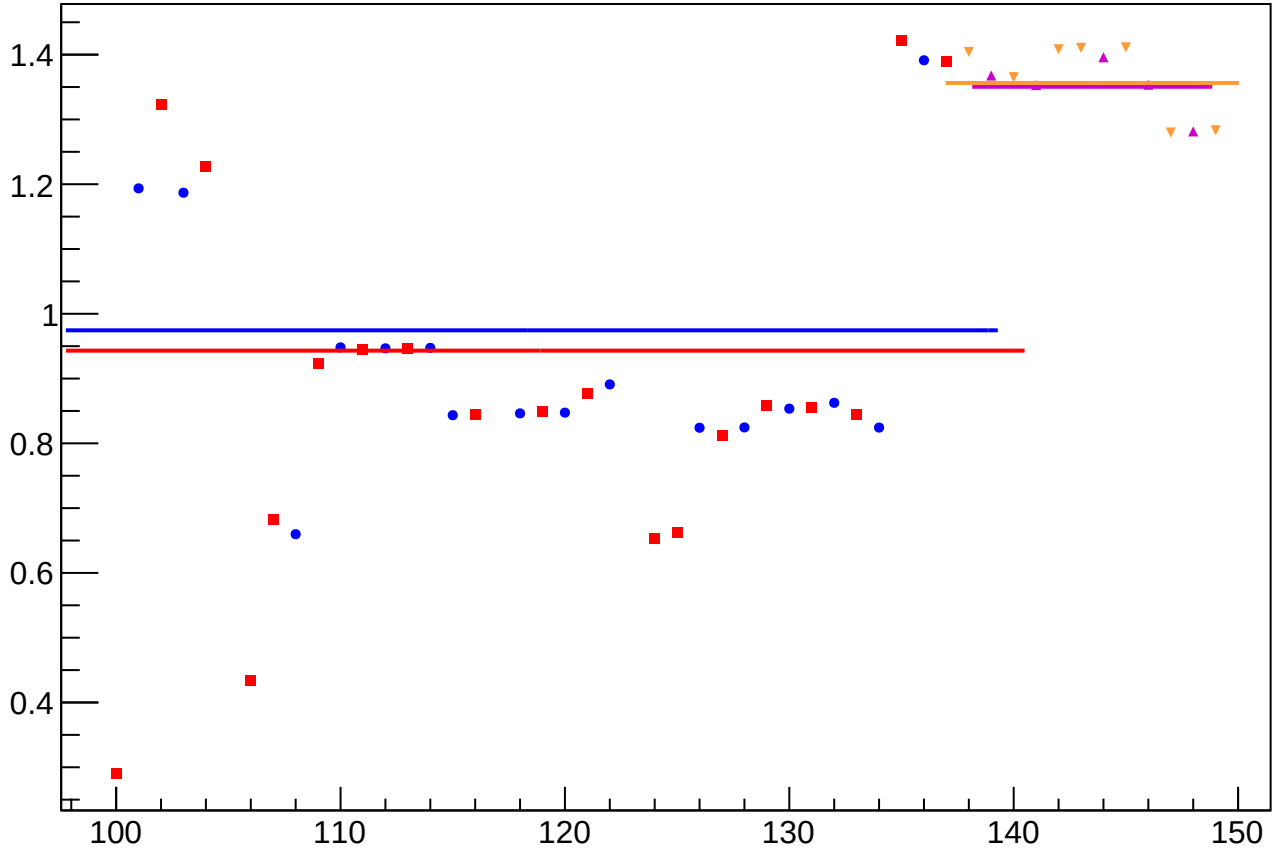
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.023+/-0.000 χ^2/NDF:5888302.3/20

Out: 0.021+/-0.000 χ^2/NDF:7213786.0/25

All: 0.022+/-0.000 χ^2/NDF: 13136812.4/46

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.356+/-0.000 χ^2/NDF:102161495.1/6

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: 1.354+/-0.000 χ^2/NDF: 137972493.4/11

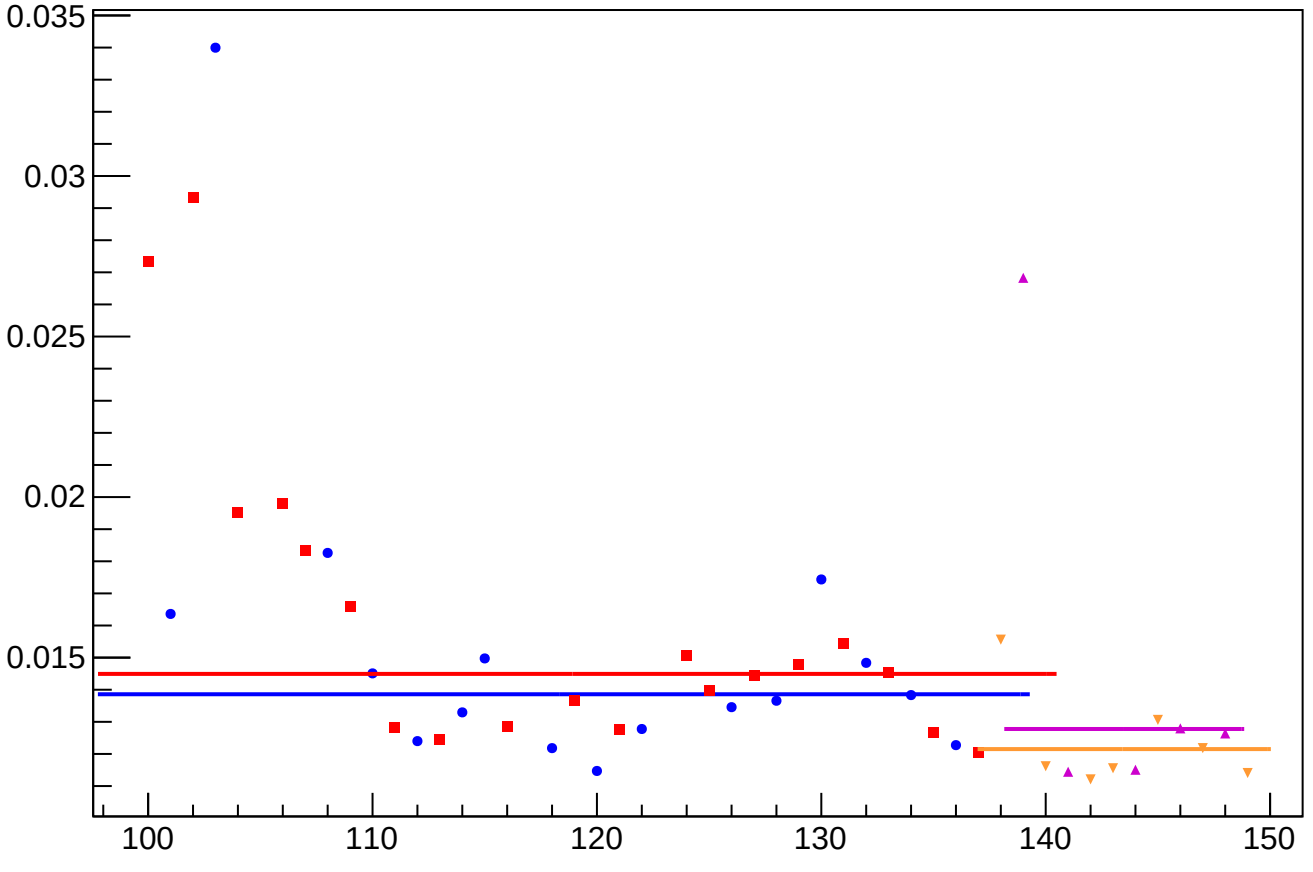
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.128+/-0.000 χ^2/NDF:3364263670.5/20

Out: 1.149+/-0.000 χ^2/NDF:4369554950.9/25

All: 1.139+/-0.000 χ^2/NDF: 7746324656.6/46

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:85600.4/6

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: 0.012+/-0.000 χ^2/NDF: 579322.2/11

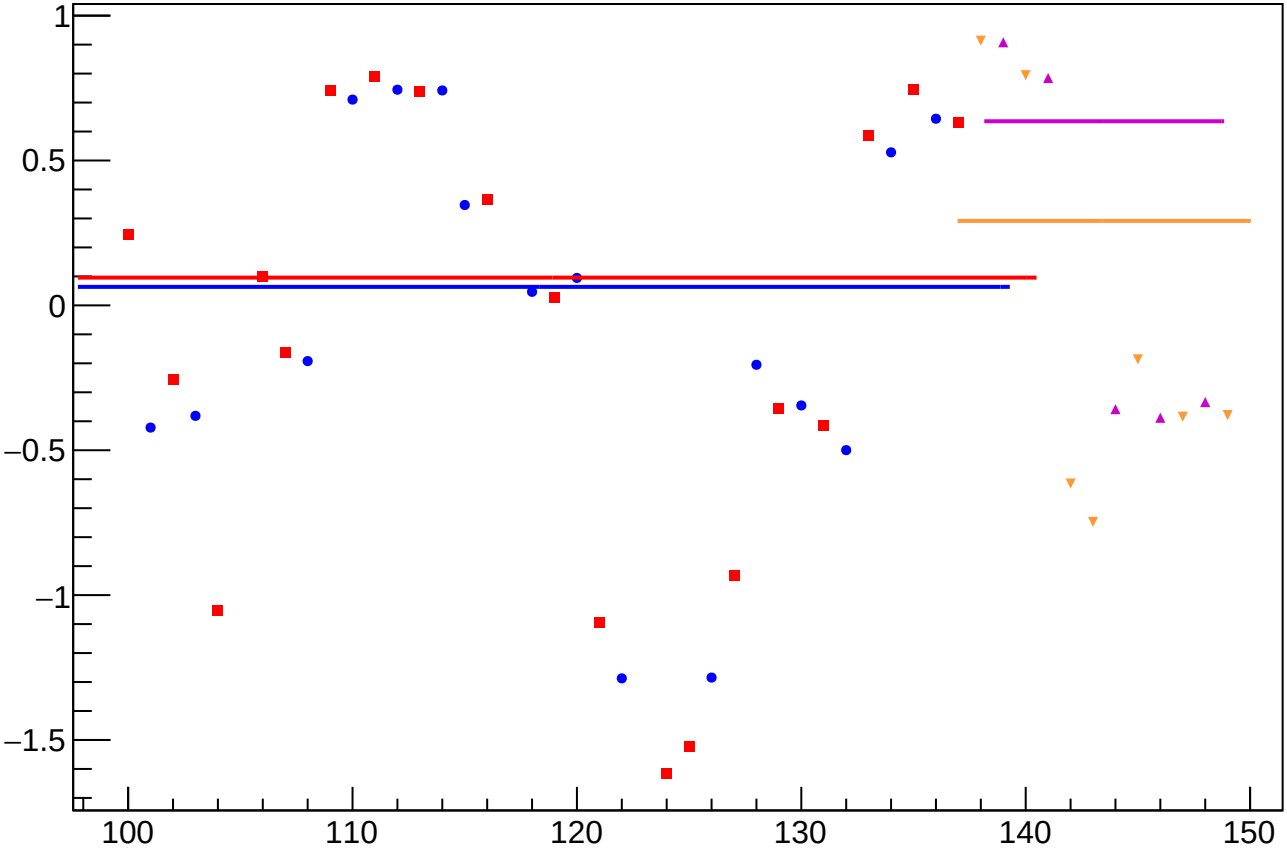
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1114567.3/20

Out: 0.013+/-0.000 χ^2/NDF:796746.6/25

All: 0.013+/-0.000 χ^2/NDF: 1911788.0/46

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.292+/-0.000 χ^2/NDF:19233609537.3/6

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: 0.458+/-0.000 χ^2/NDF: 32357504151.7/11

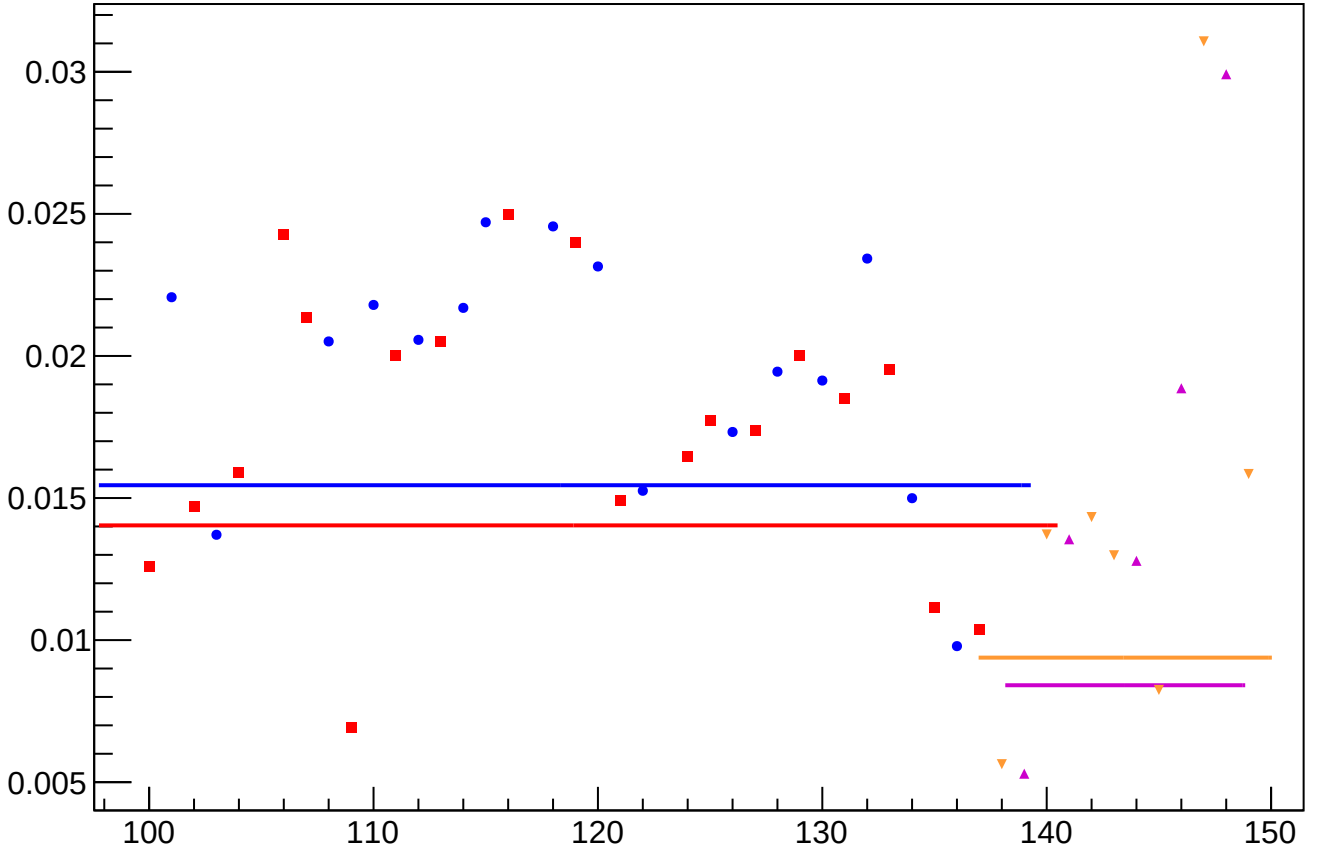
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.419+/-0.000 χ^2/NDF:26743800920.9/20

Out: 0.213+/-0.000 χ^2/NDF:37700167378.6/25

All: 0.310+/-0.000 χ^2/NDF: 65932287111.2/4

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:1997131.6/6

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: 4320209.6/11

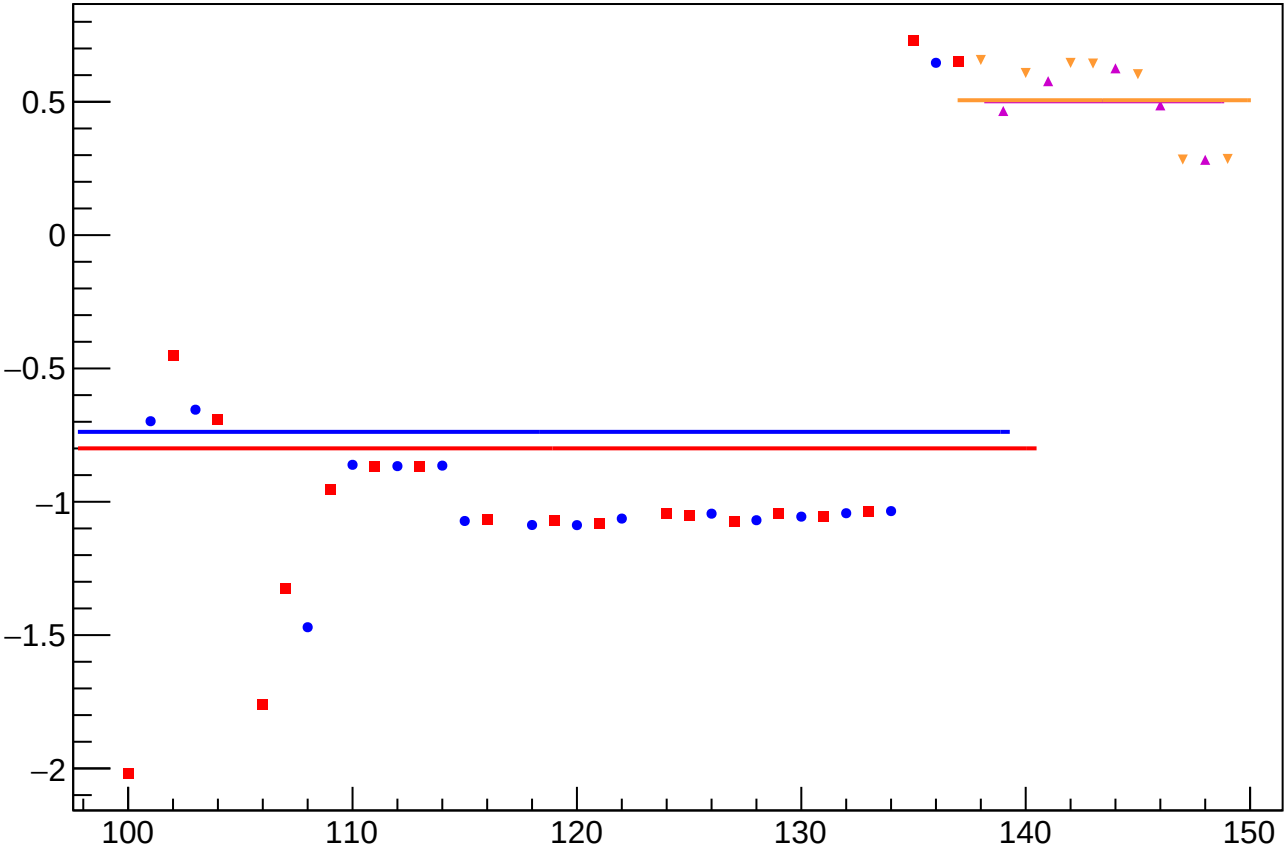
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:5125324.4/20

Out: 0.011+/-0.000 χ^2/NDF:4454823.1/25

All: 0.011+/-0.000 χ^2/NDF: 9582452.4/46

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.506+/-0.000 χ^2/NDF:127078285.0/6

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: 0.504+/-0.000 χ^2/NDF: 182189196.1/11

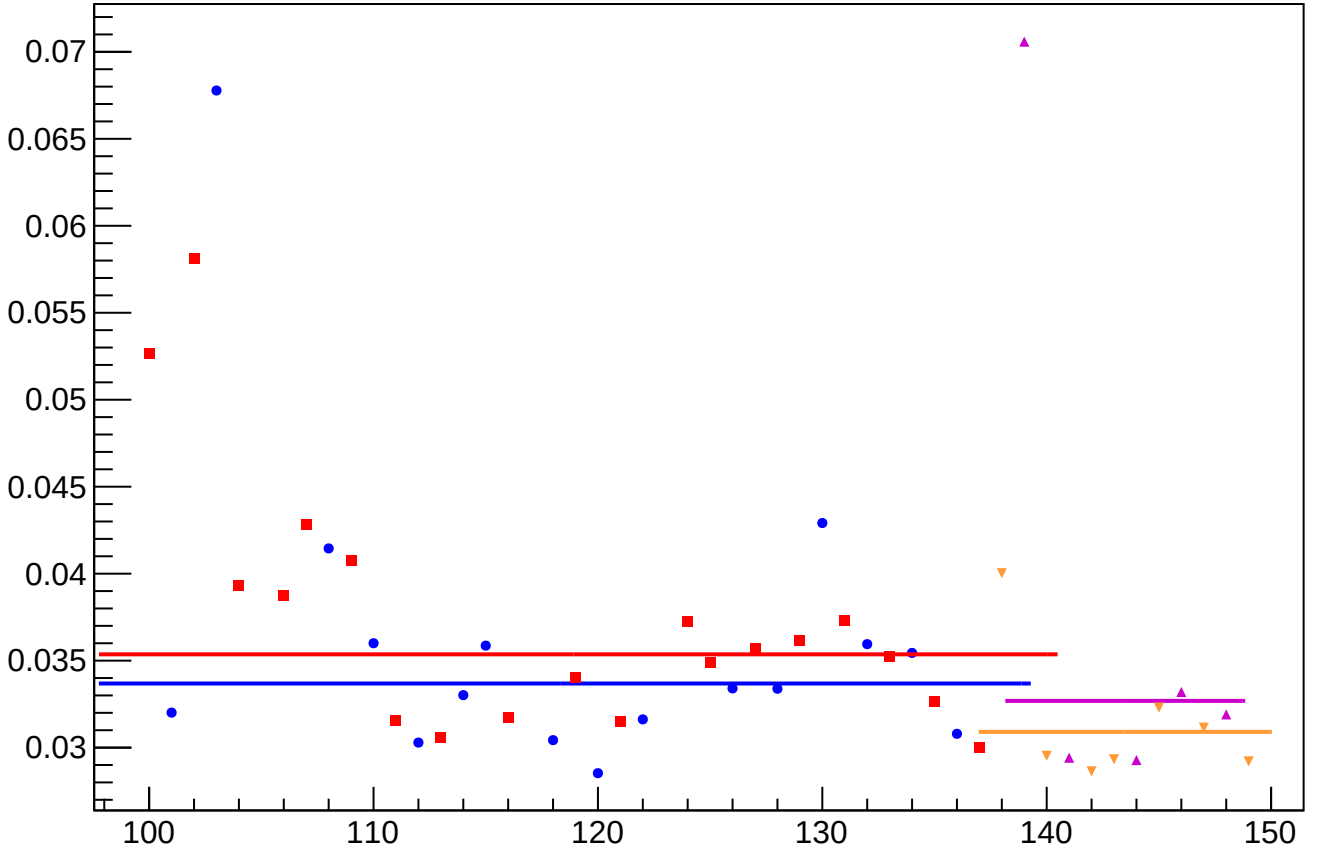
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.267+/-0.000 χ^2/NDF:5368397355.0/20

Out: -0.181+/-0.000 χ^2/NDF:6184588694.6/25

All: -0.222+/-0.000 χ^2/NDF: 11587400078.3/

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:85612.3/6

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: 604626.8/11

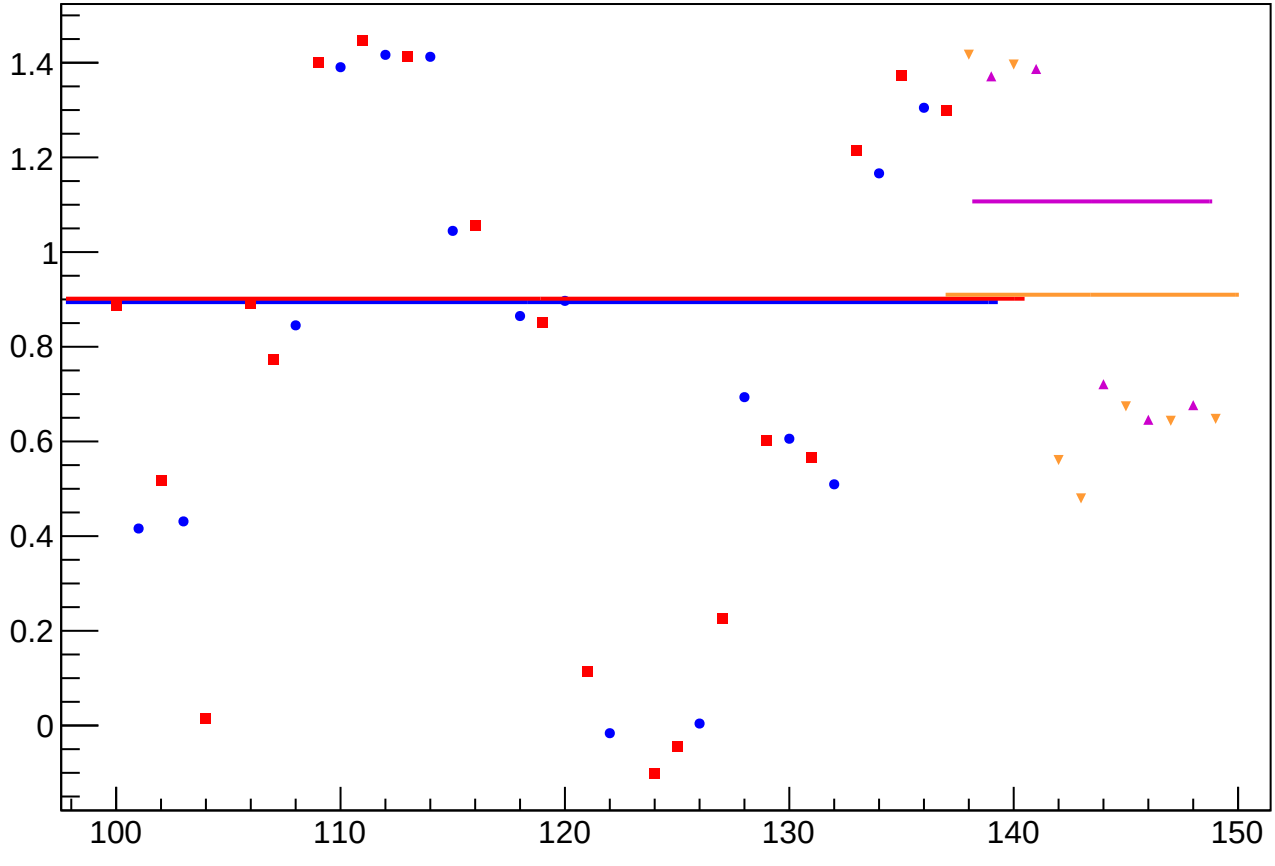
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:931002.0/20

Out: 0.033+/-0.000 χ^2/NDF:479152.6/25

All: 0.033+/-0.000 χ^2/NDF: 1410181.4/46

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.910+/-0.000 χ^2/NDF:9992446330.3/6

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: 0.994+/-0.000 χ^2/NDF: 16376392036.0/11

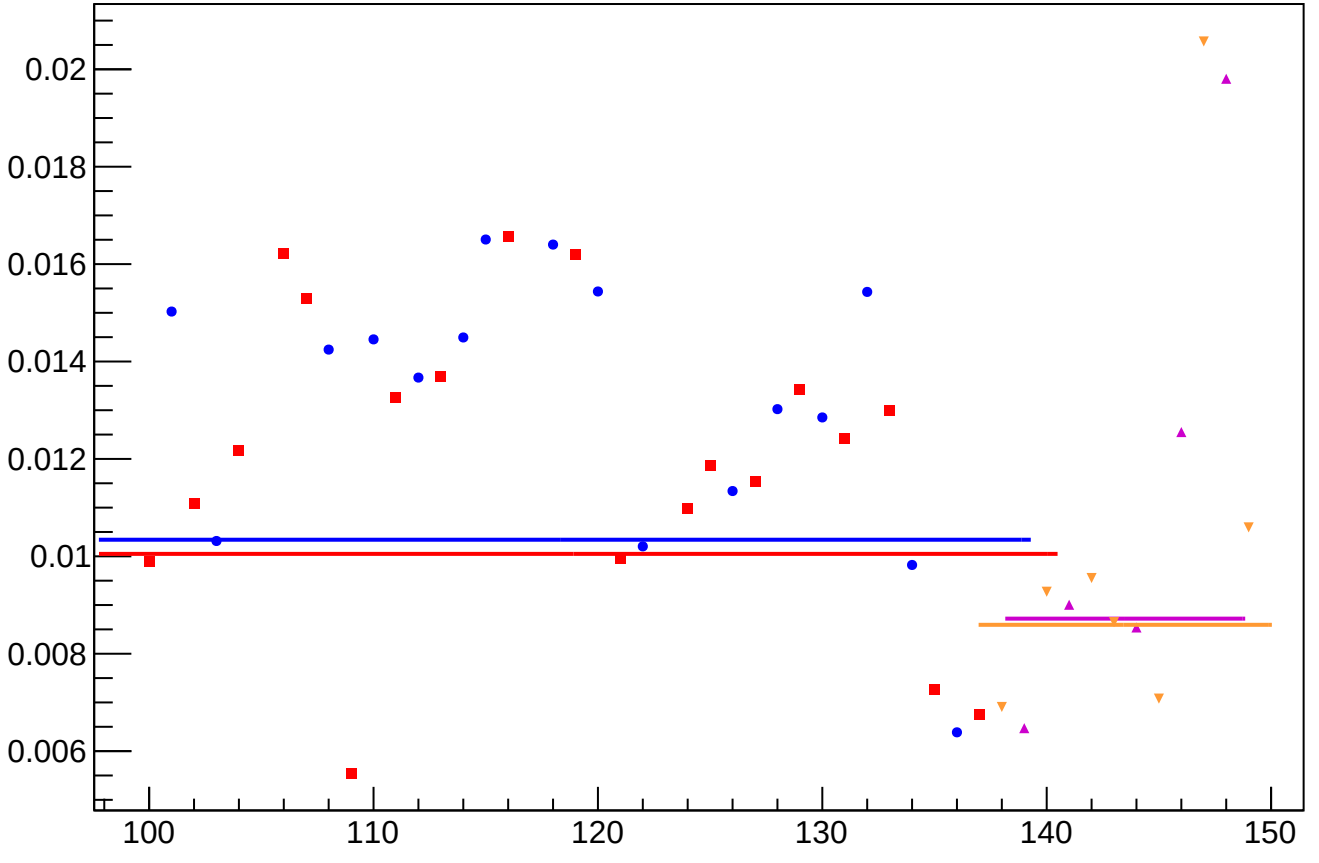
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 0.993+/-0.000 χ^2/NDF:19237535362.1/20

Out: 0.906+/-0.000 χ^2/NDF:27887673322.2/25

All: 0.945+/-0.000 χ^2/NDF: 47549183797.8/4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:775068.3/6

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: 1605564.0/11

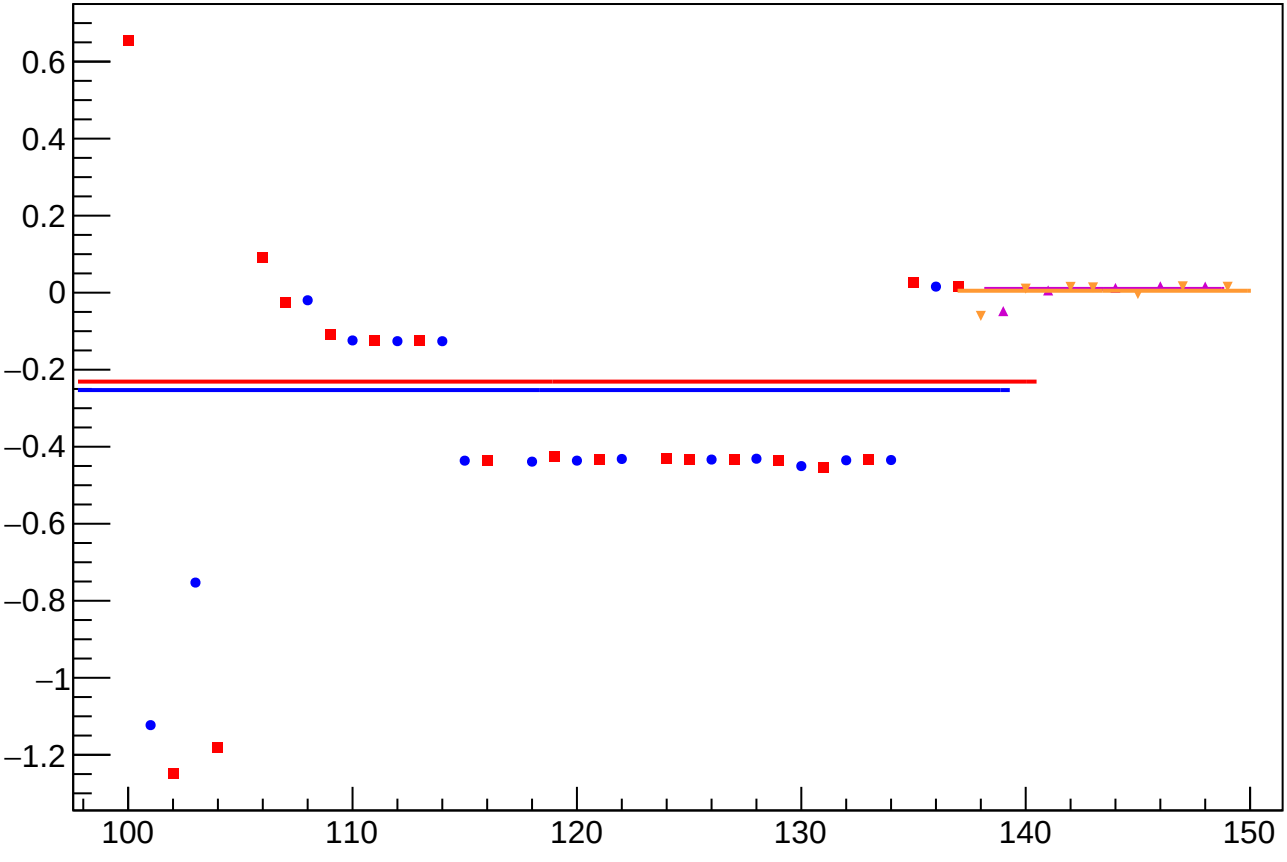
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2315282.4/20

Out: 0.009+/-0.000 χ^2/NDF:2243302.5/25

All: 0.009+/-0.000 χ^2/NDF: 4568134.0/46

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:19082269.2/6

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: 0.007+/-0.000 χ^2/NDF: 24100066.3/11

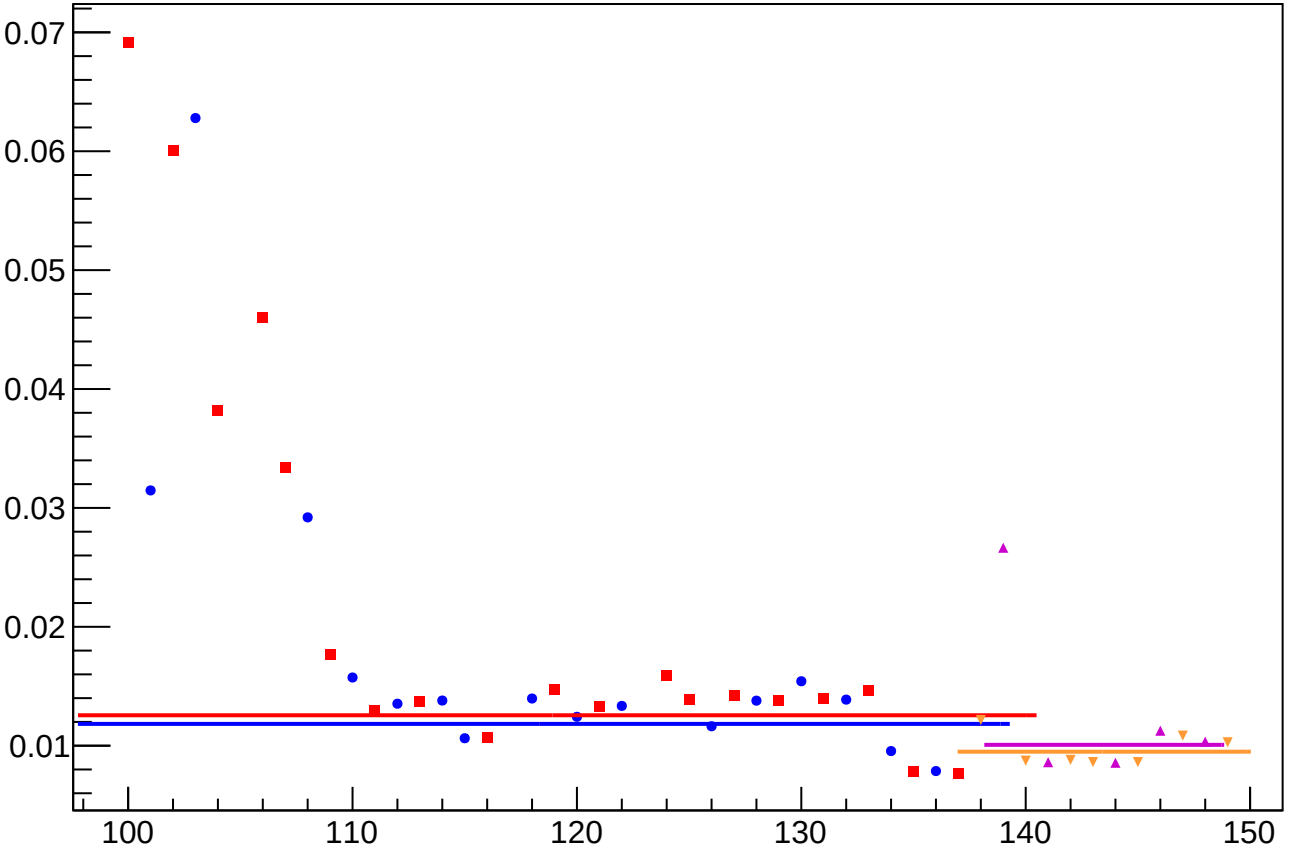
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.128+/-0.000 χ^2/NDF:3192020377.3/20

Out: -0.091+/-0.000 χ^2/NDF:2872968230.5/25

All: -0.109+/-0.000 χ^2/NDF: 6114229368.7/4

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:121805.5/6

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: 877836.9/11

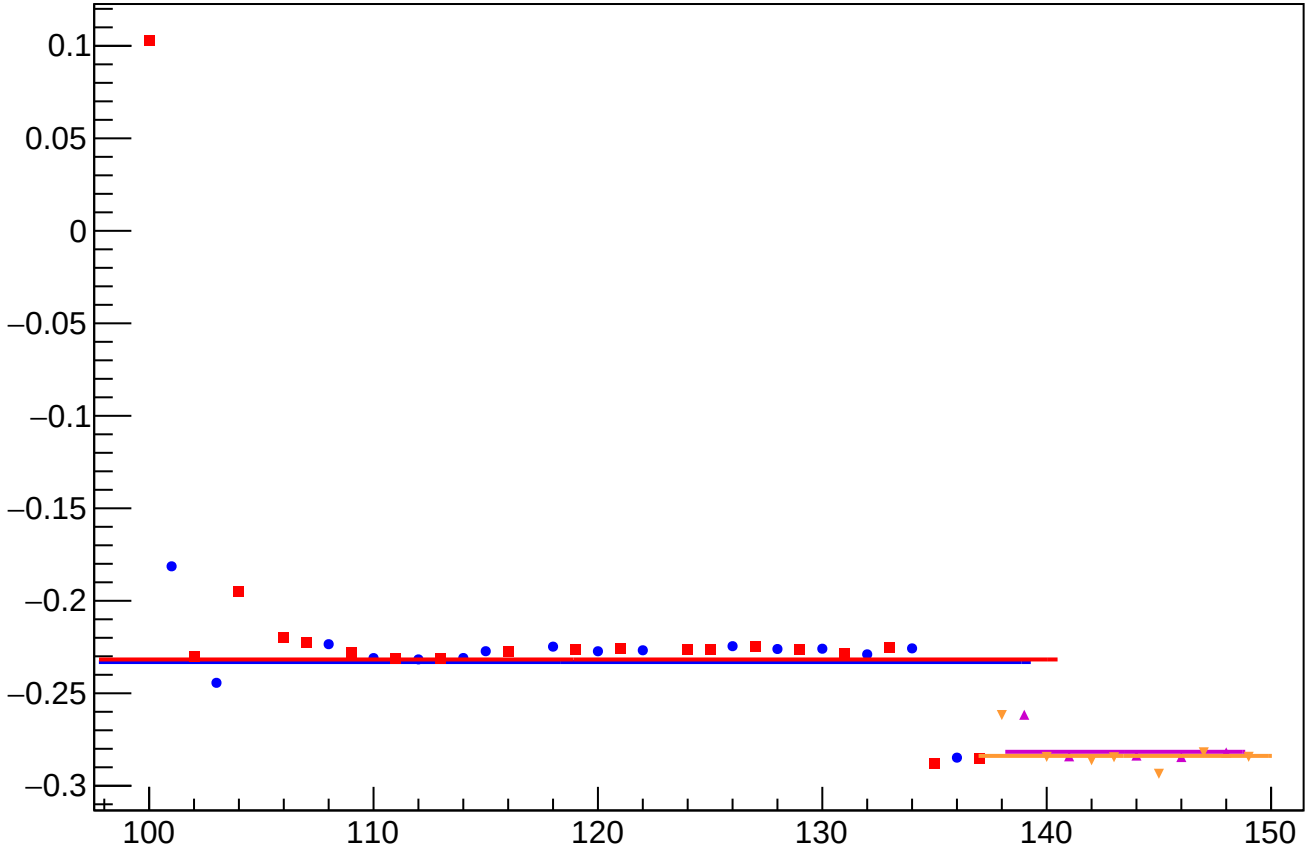
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2790743.7/20

Out: 0.011+/-0.000 χ^2/NDF:2691698.4/25

All: 0.011+/-0.000 χ^2/NDF: 5486958.0/46

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:14462855.5/6

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: 20822227.9/11

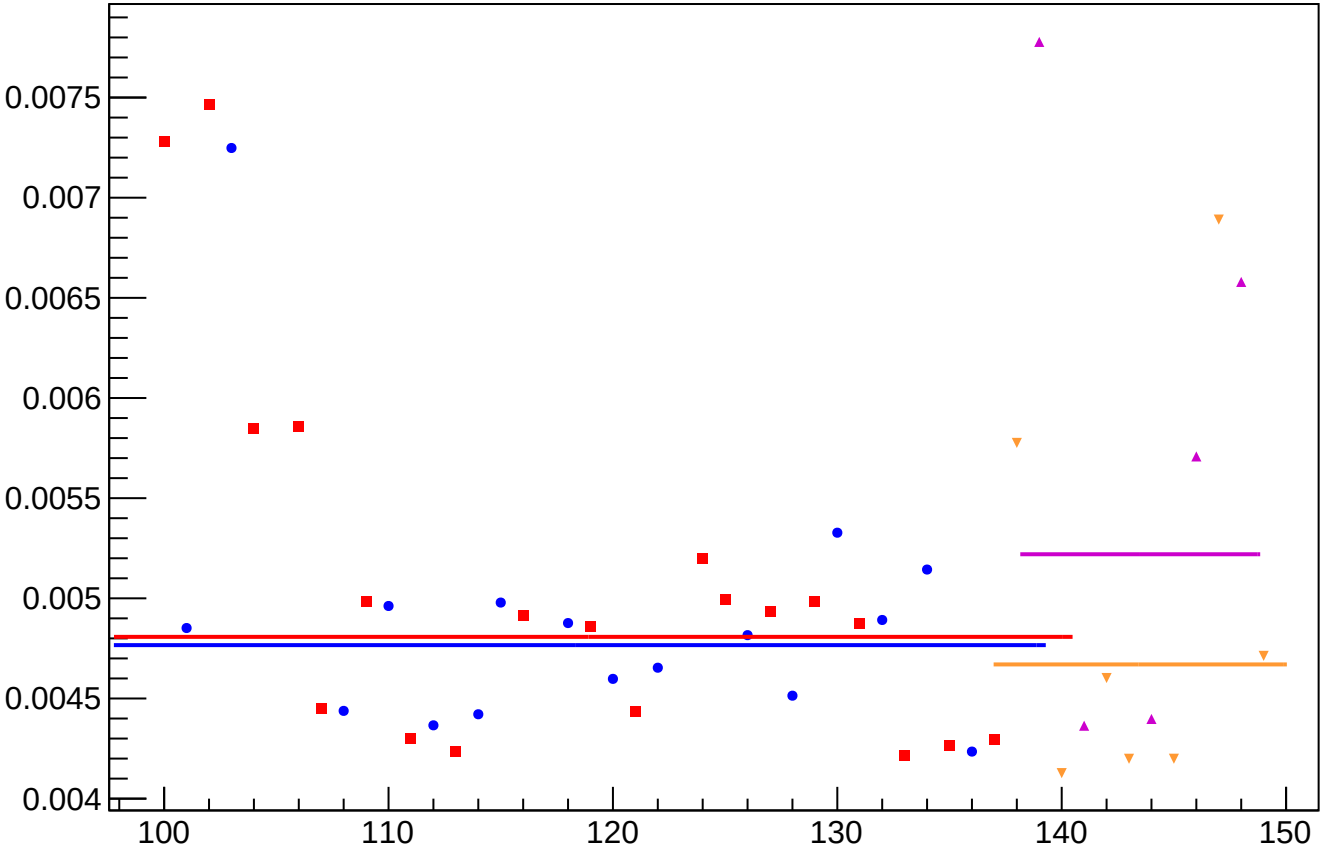
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.249+/-0.000 χ^2/NDF:426849845.6/20

Out: -0.254+/-0.000 χ^2/NDF:641514320.4/25

All: -0.252+/-0.000 χ^2/NDF: 1074044734.2/4

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:283710.1/6

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: 708168.2/11

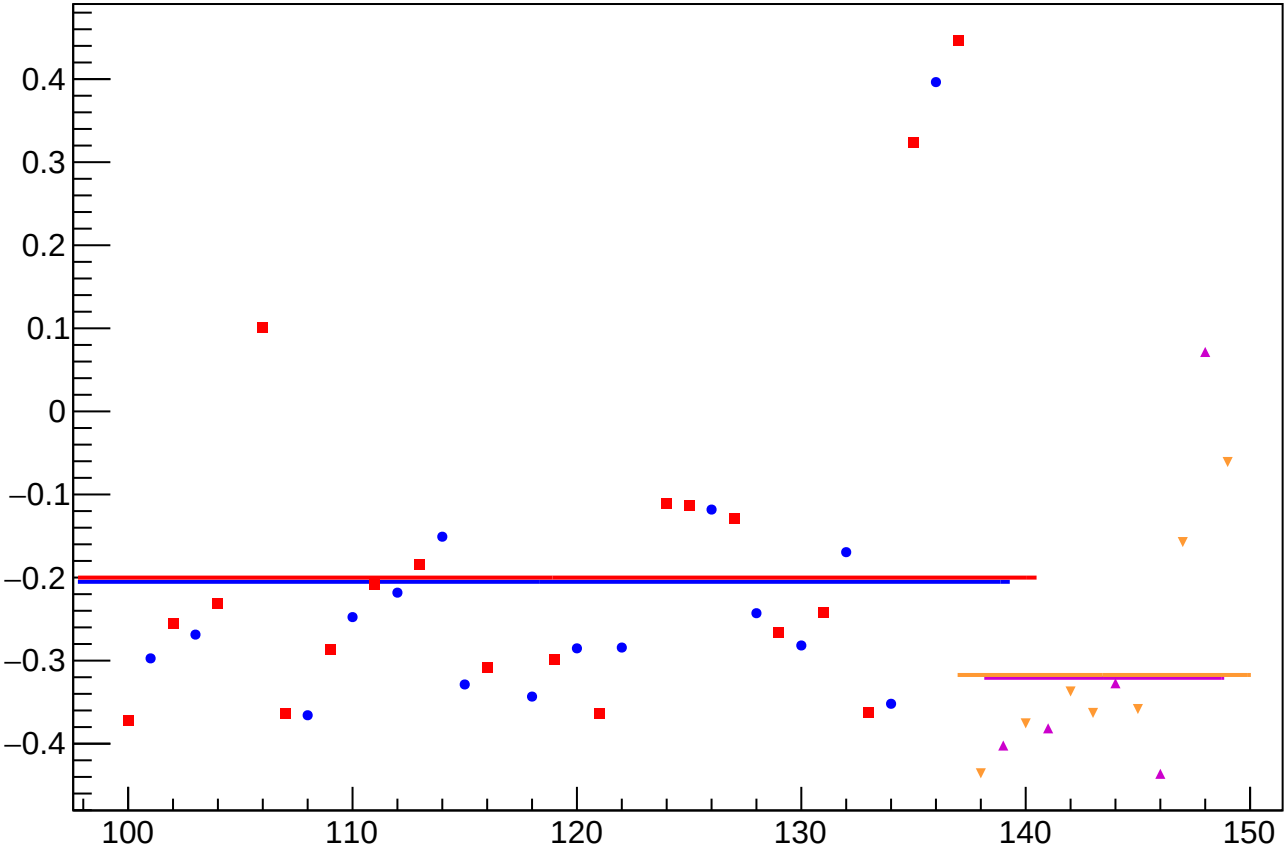
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:602993.4/20

Out: 0.005+/-0.000 χ^2/NDF:582184.7/25

All: 0.005+/-0.000 χ^2/NDF: 1198393.4/46

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.317+/-0.000 χ^2/NDF:2413328266.8/6

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: -0.319+/-0.000 χ^2/NDF: 5549164381.5/11

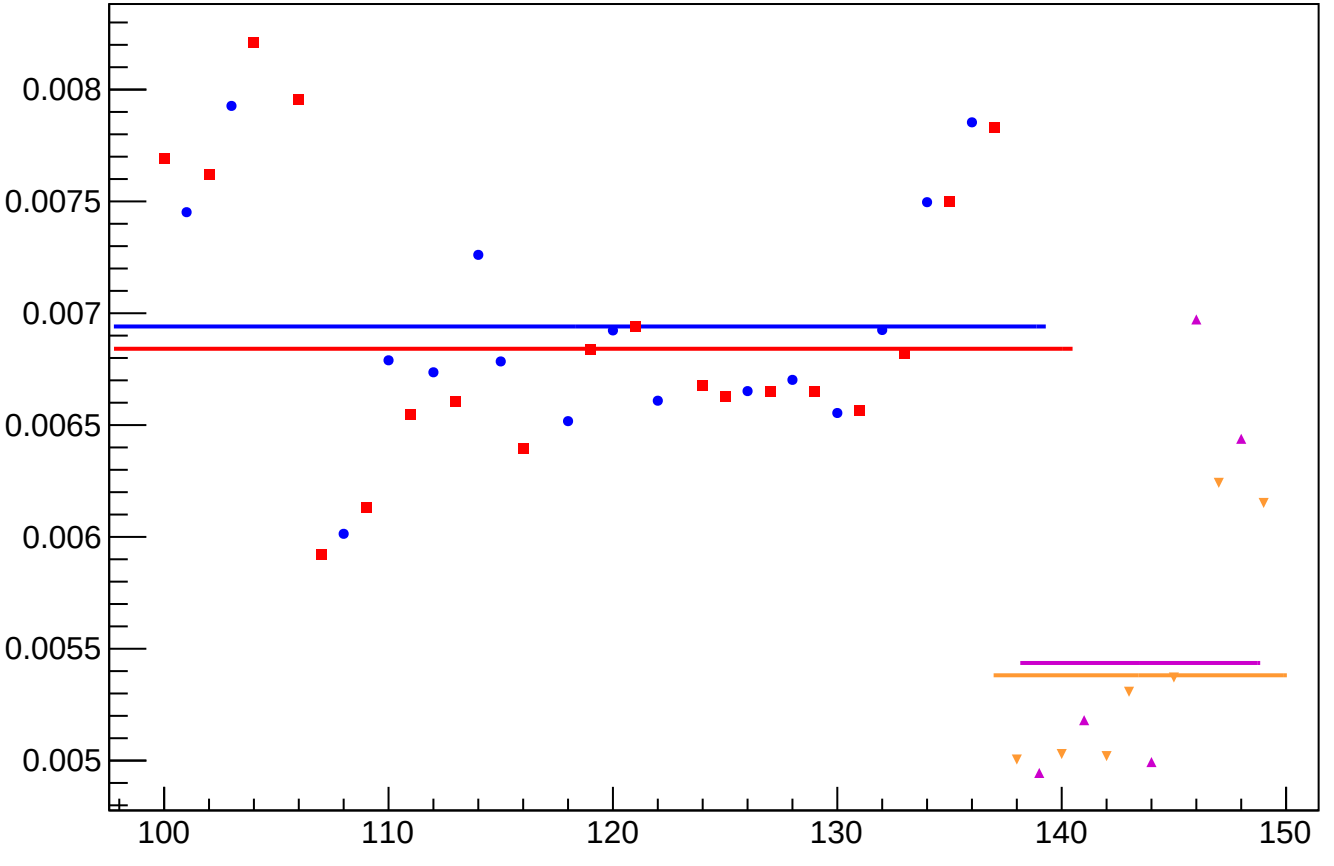
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.260+/-0.000 χ^2/NDF:10246833276.4/20

Out: -0.261+/-0.000 χ^2/NDF:8771459215.9/25

All: -0.261+/-0.000 χ^2/NDF: 19018668159.5/

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:71687.7/6

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: 209892.1/11

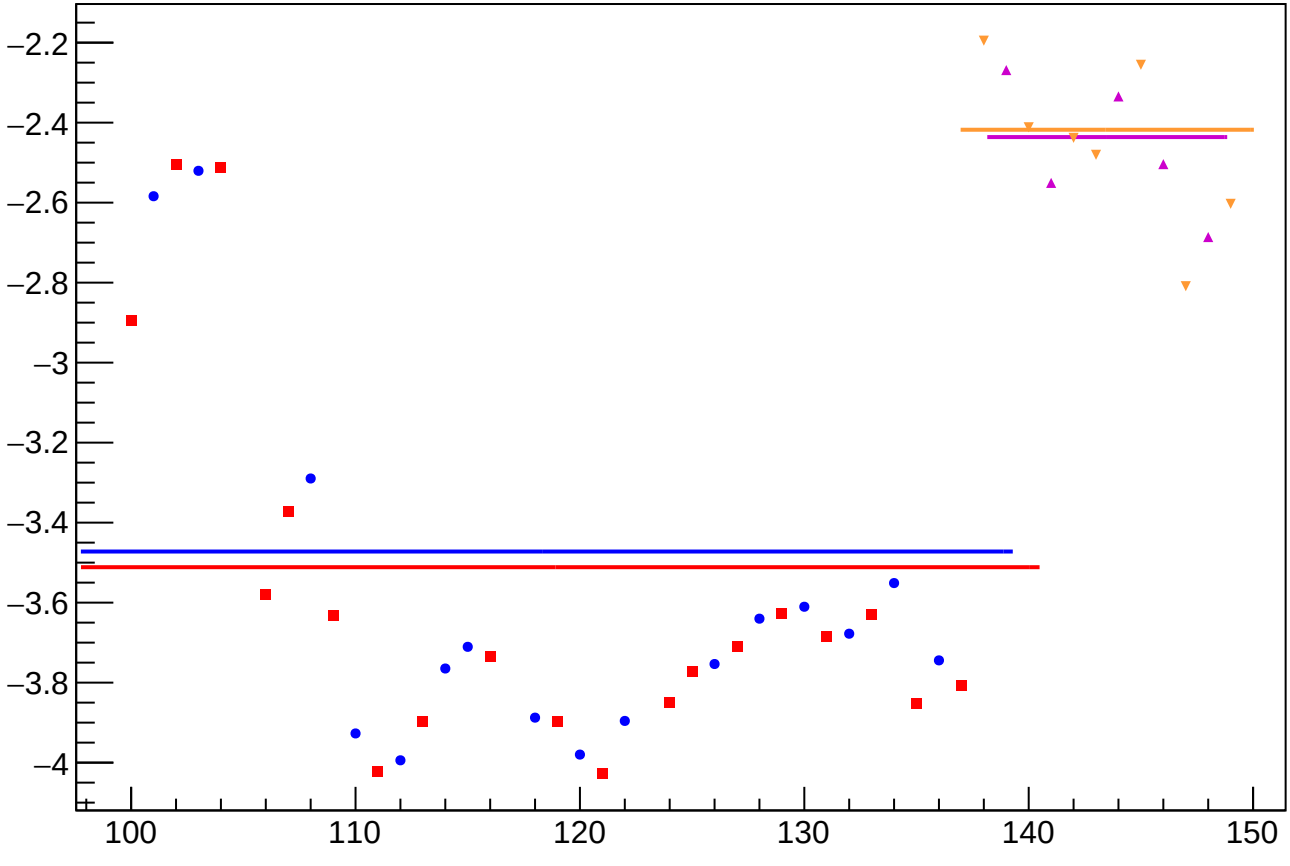
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:535693.4/20

Out: 0.006+/-0.000 χ^2/NDF:515289.3/25

All: 0.006+/-0.000 χ^2/NDF: 1057842.2/46

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.418+/-0.000 χ^2/NDF:1355372625.3/6

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.436+/-0.000 χ^2/NDF:708957569.4/4

Left: -2.426+/-0.000 χ^2/NDF: 2070340006.1/11

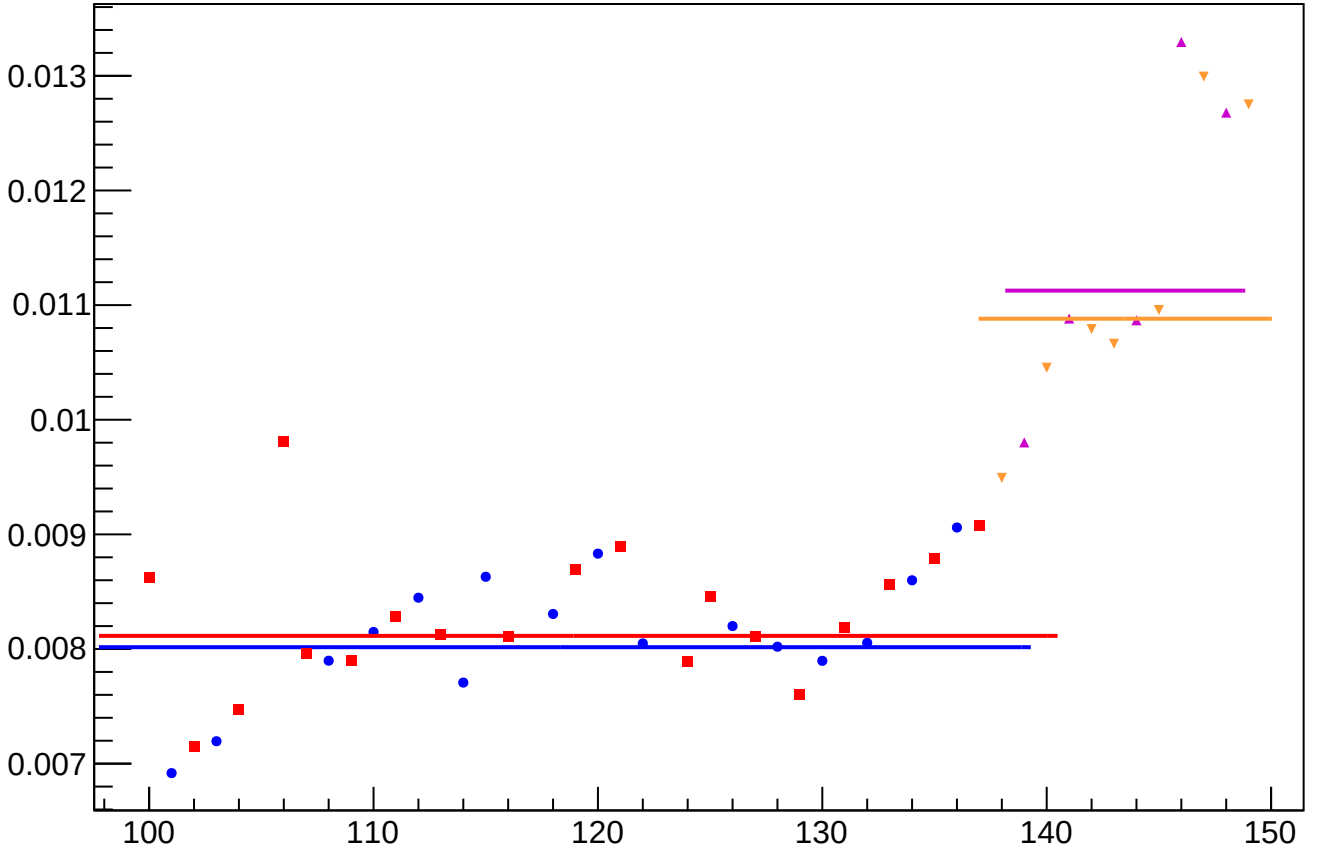
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.238+/-0.000 χ^2/NDF:56648567121.8/20

Out: -3.211+/-0.000 χ^2/NDF:66617512741.9/25

All: -3.224+/-0.000 χ^2/NDF: 123321890723.5

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:102427.4/6

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: 194708.7/11

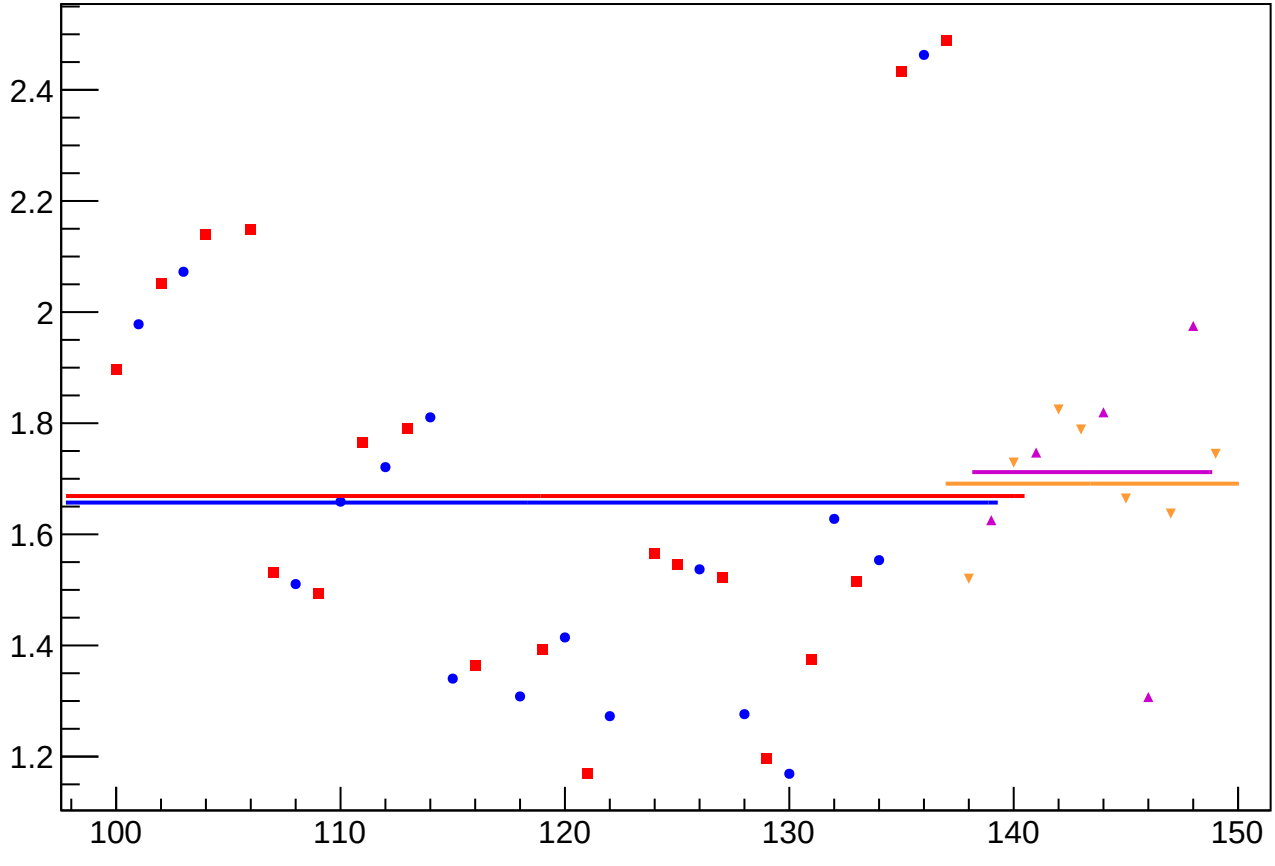
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:651201.8/20

Out: 0.009+/-0.000 χ^2/NDF:628485.1/25

All: 0.009+/-0.000 χ^2/NDF: 1283279.1/46

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.691+/-0.000 χ^2/NDF:336846204.2/6

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: 1.700+/-0.000 χ^2/NDF: 1424422777.9/11

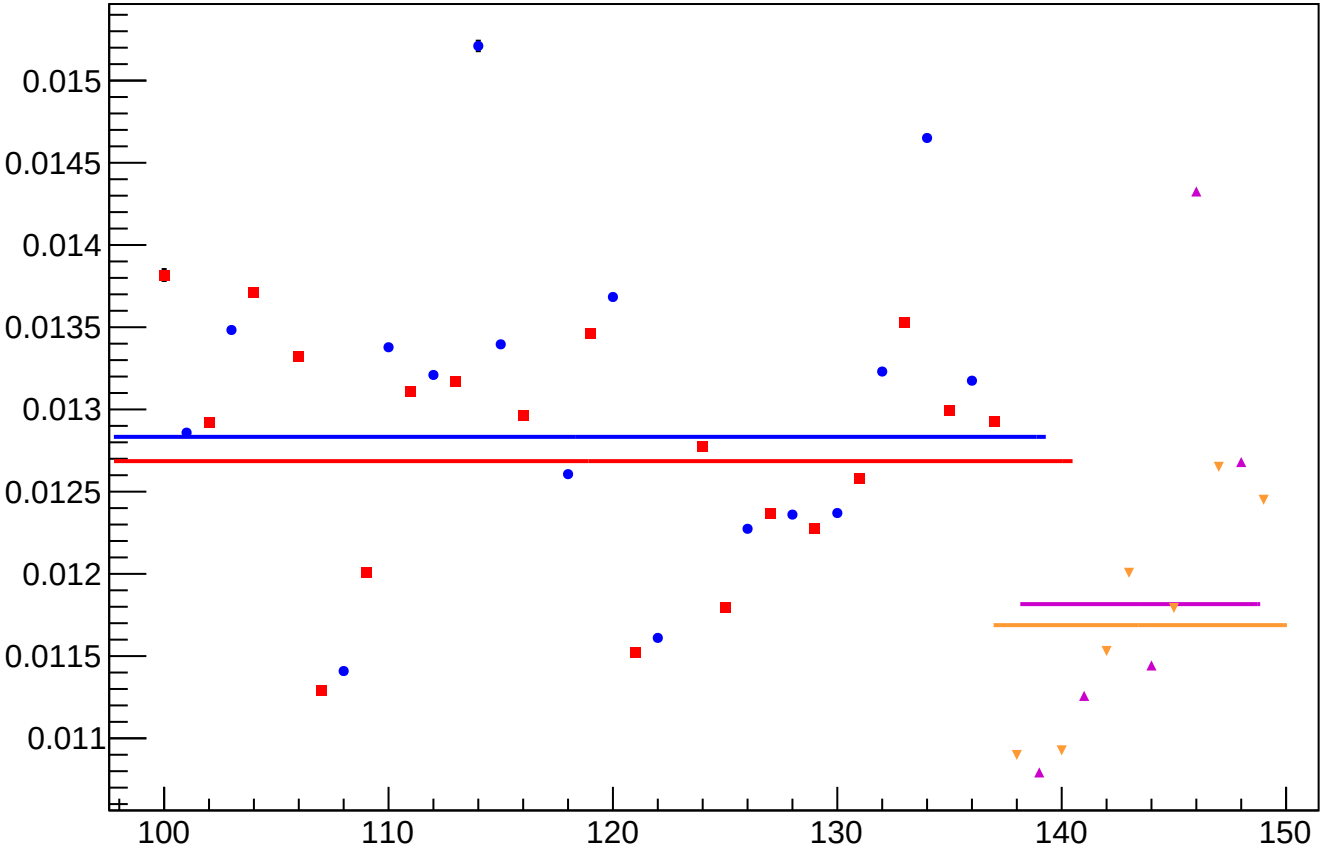
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.679+/-0.000 χ^2/NDF:7798468716.9/20

Out: 1.679+/-0.000 χ^2/NDF:6704525638.8/25

All: 1.679+/-0.000 χ^2/NDF: 14502997756.5/4

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:31991.4/6

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: 108353.9/11

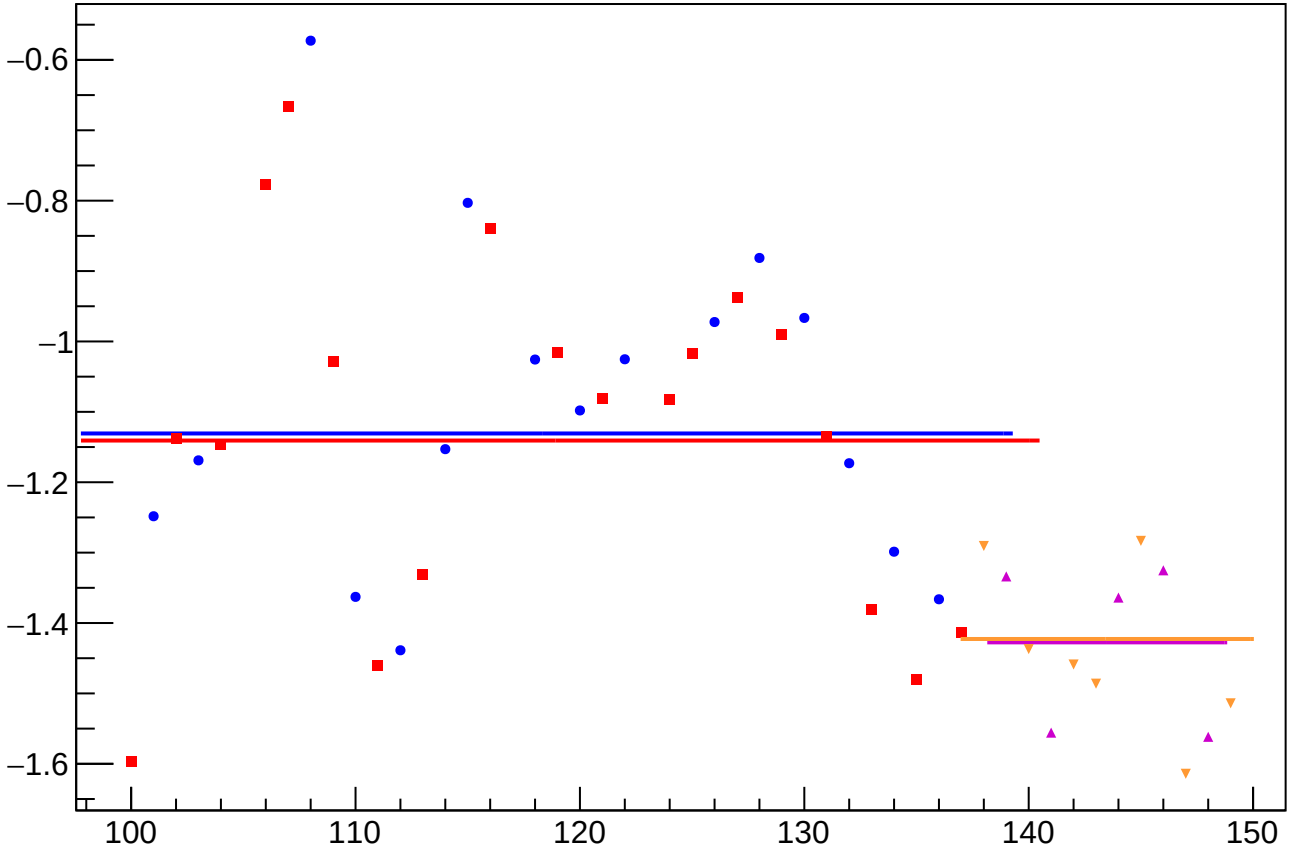
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:163980.9/20

Out: 0.012+/-0.000 χ^2/NDF:115675.1/25

All: 0.012+/-0.000 χ^2/NDF: 282365.7/46

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.423+/-0.000 χ^2/NDF:699037556.4/6

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: -1.425+/-0.000 χ^2/NDF: 1214359629.6/11

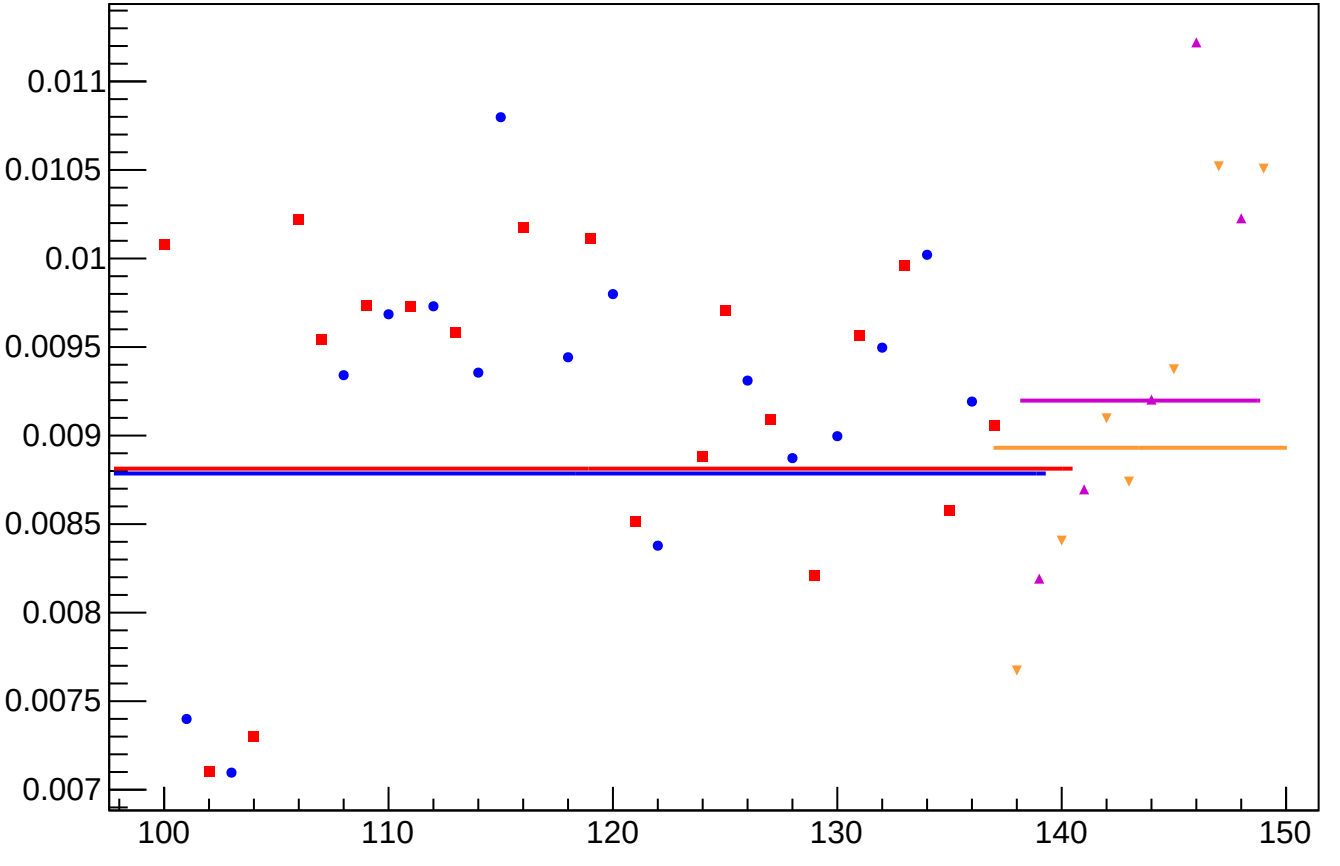
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.232+/-0.000 χ^2/NDF:6973407987.4/20

Out: -1.254+/-0.000 χ^2/NDF:7103086806.3/25

All: -1.244+/-0.000 χ^2/NDF: 14111573692.1/

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:113466.5/6

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:89916.7/4

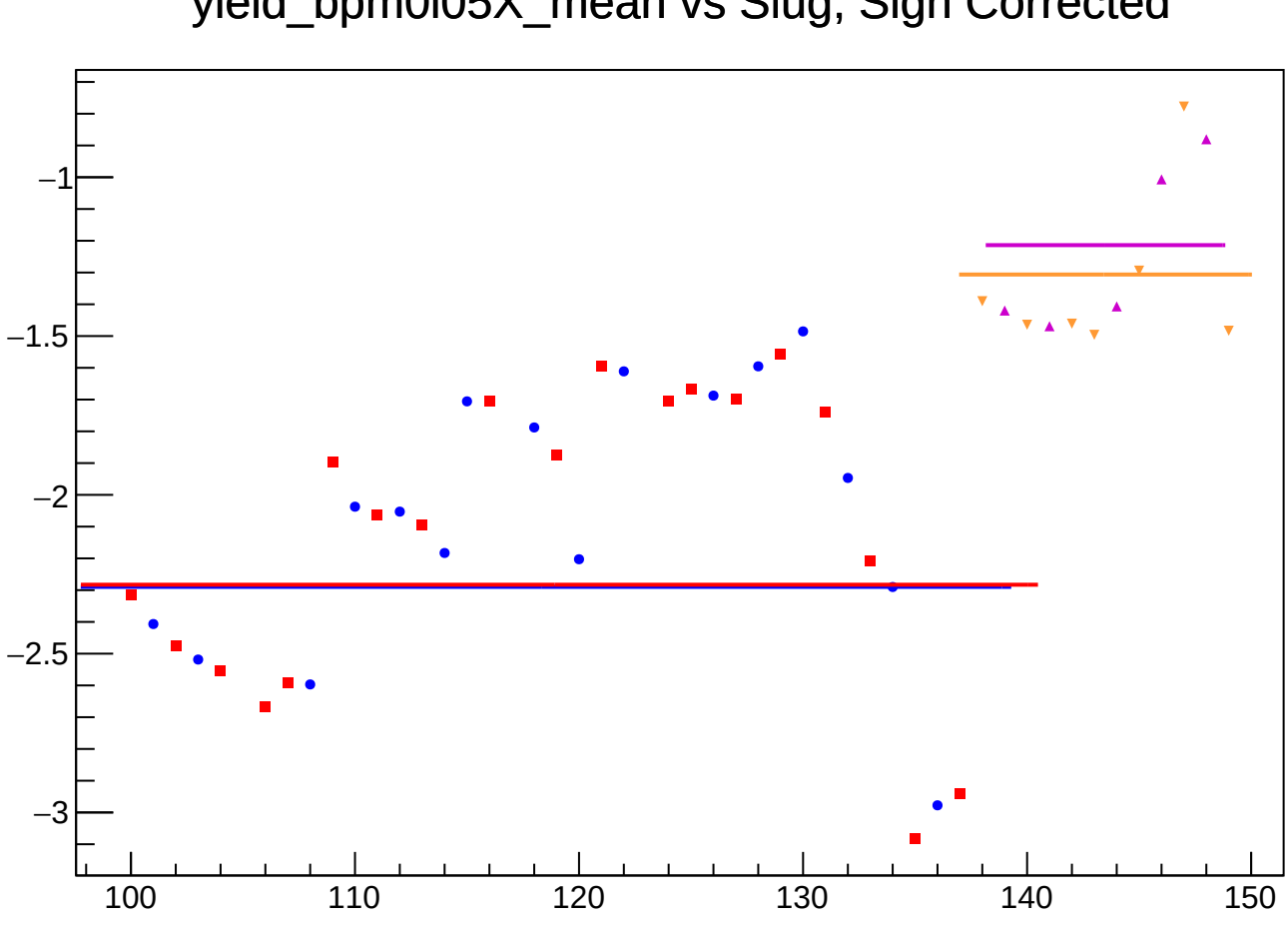
Left: 0.009+/-0.000 χ^2/NDF: 207087.2/11

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:318911.6/25

All: 0.009+/-0.000 χ^2/NDF: 593189.1/46



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.306+/-0.000 χ^2/NDF:4712173575.3/6

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: -1.265+/-0.000 χ^2/NDF: 8182618855.4/11

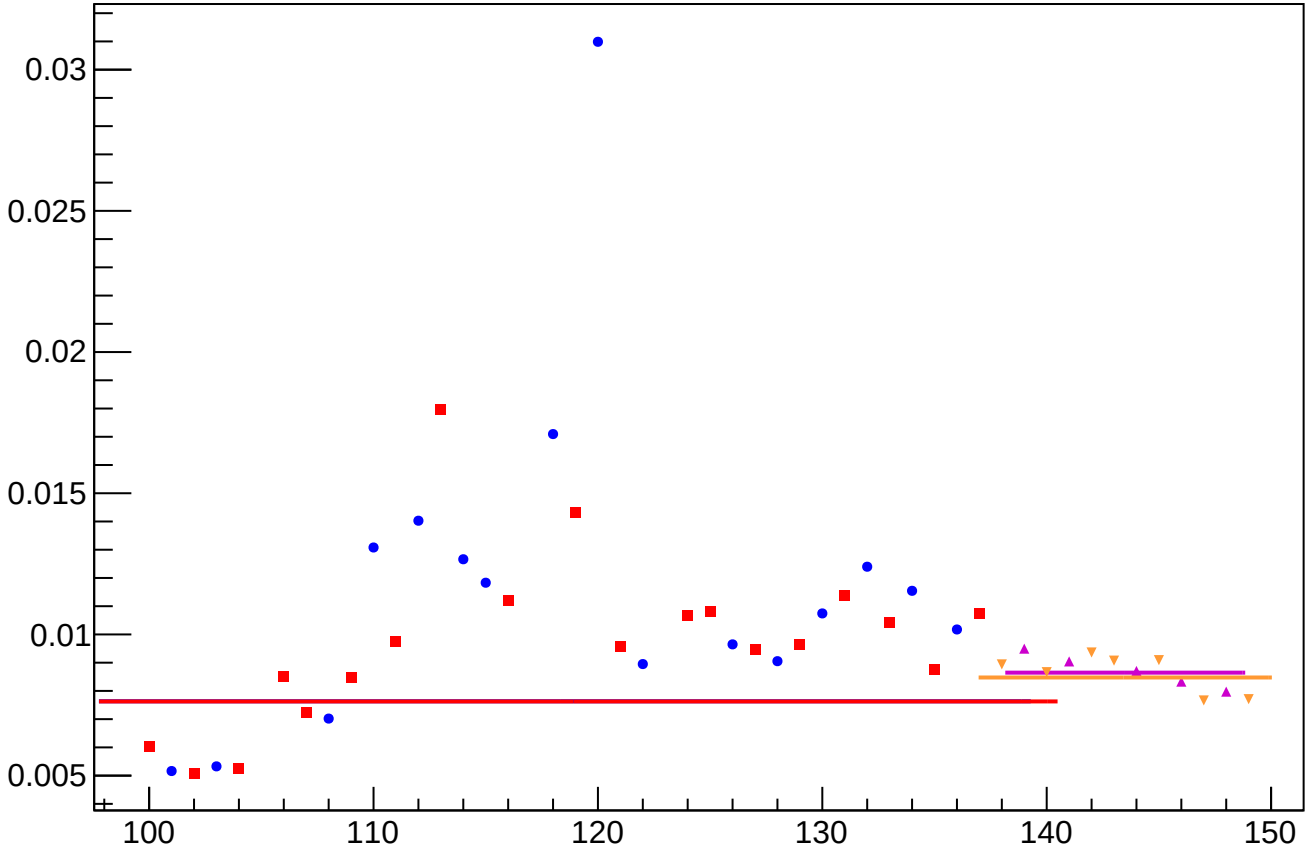
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.886+/-0.000 χ^2/NDF:56329416818.6/20

Out: -1.885+/-0.000 χ^2/NDF:58774734359.9/25

All: -1.886+/-0.000 χ^2/NDF: 115104238125.4

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:56029.7/6

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:28272.4/4

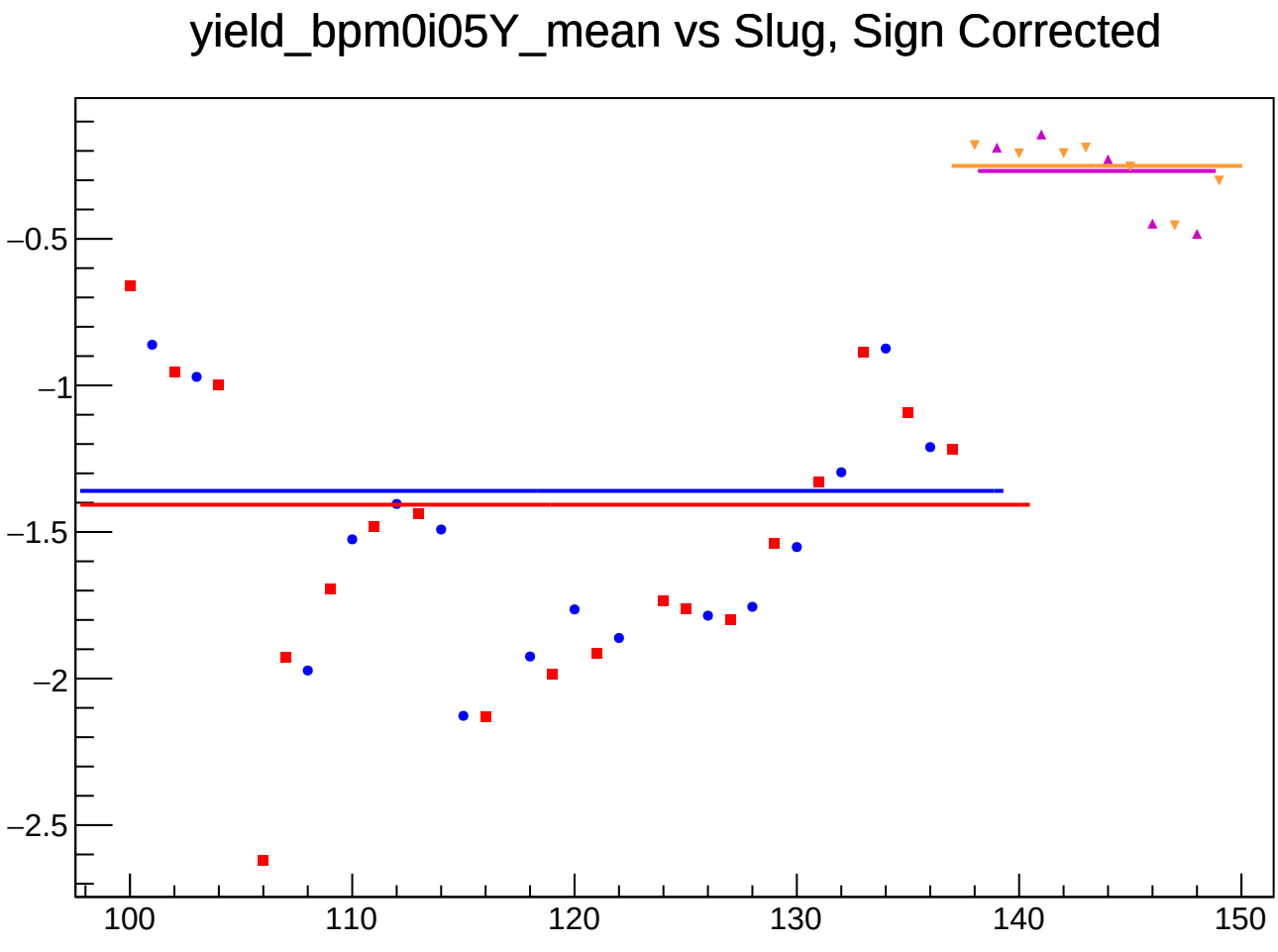
Left: 0.009+/-0.000 χ^2/NDF: 86016.5/11

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:1429562.2/25

All: 0.008+/-0.000 χ^2/NDF: 3236189.3/46



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.251+/-0.000 χ^2/NDF:1702823795.6/6

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: -0.258+/-0.000 χ^2/NDF: 4629626293.9/11

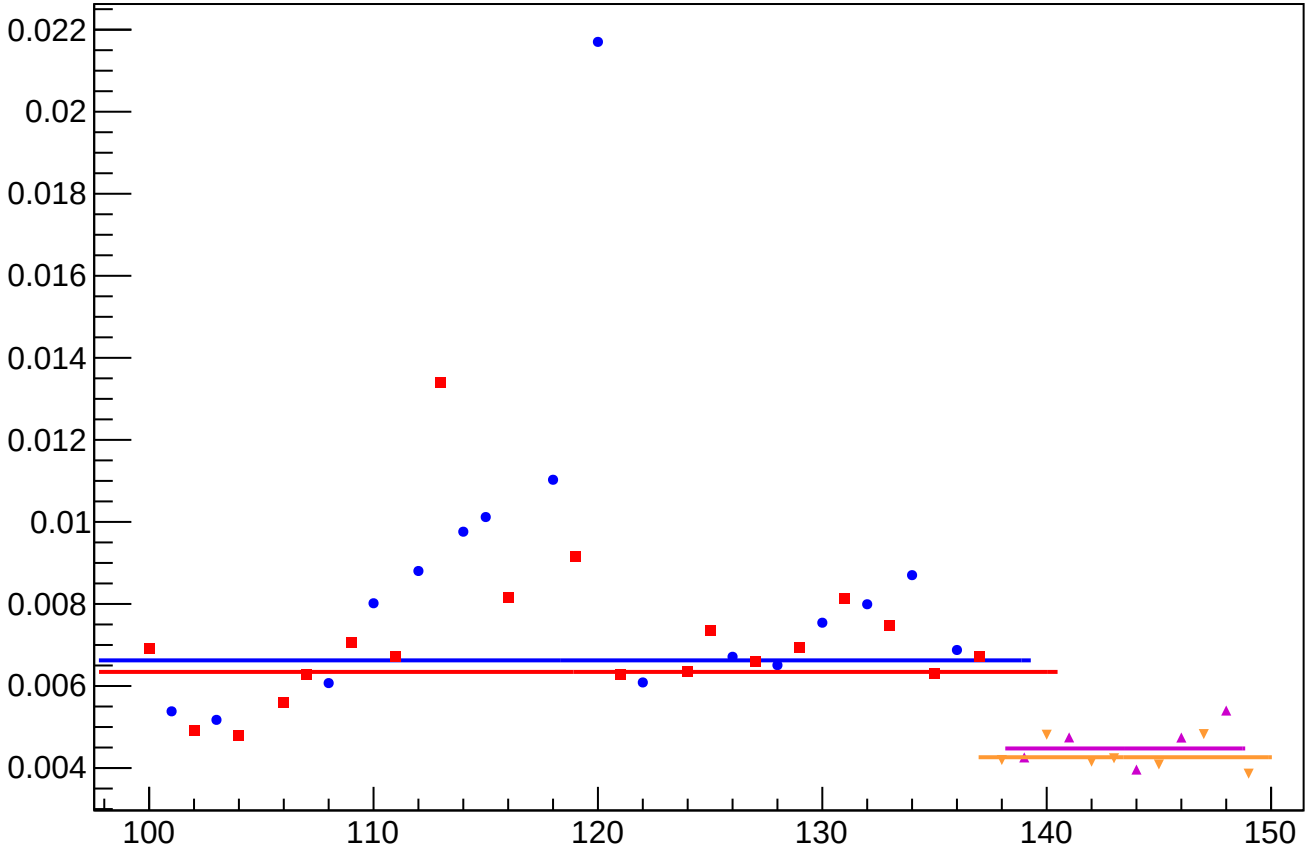
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.721+/-0.000 χ^2/NDF:116290609172.5/20

Out: -0.680+/-0.000 χ^2/NDF:159386718301.8/25

All: -0.698+/-0.000 χ^2/NDF: 275989177554.6

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:56110.7/6

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:77701.0/4

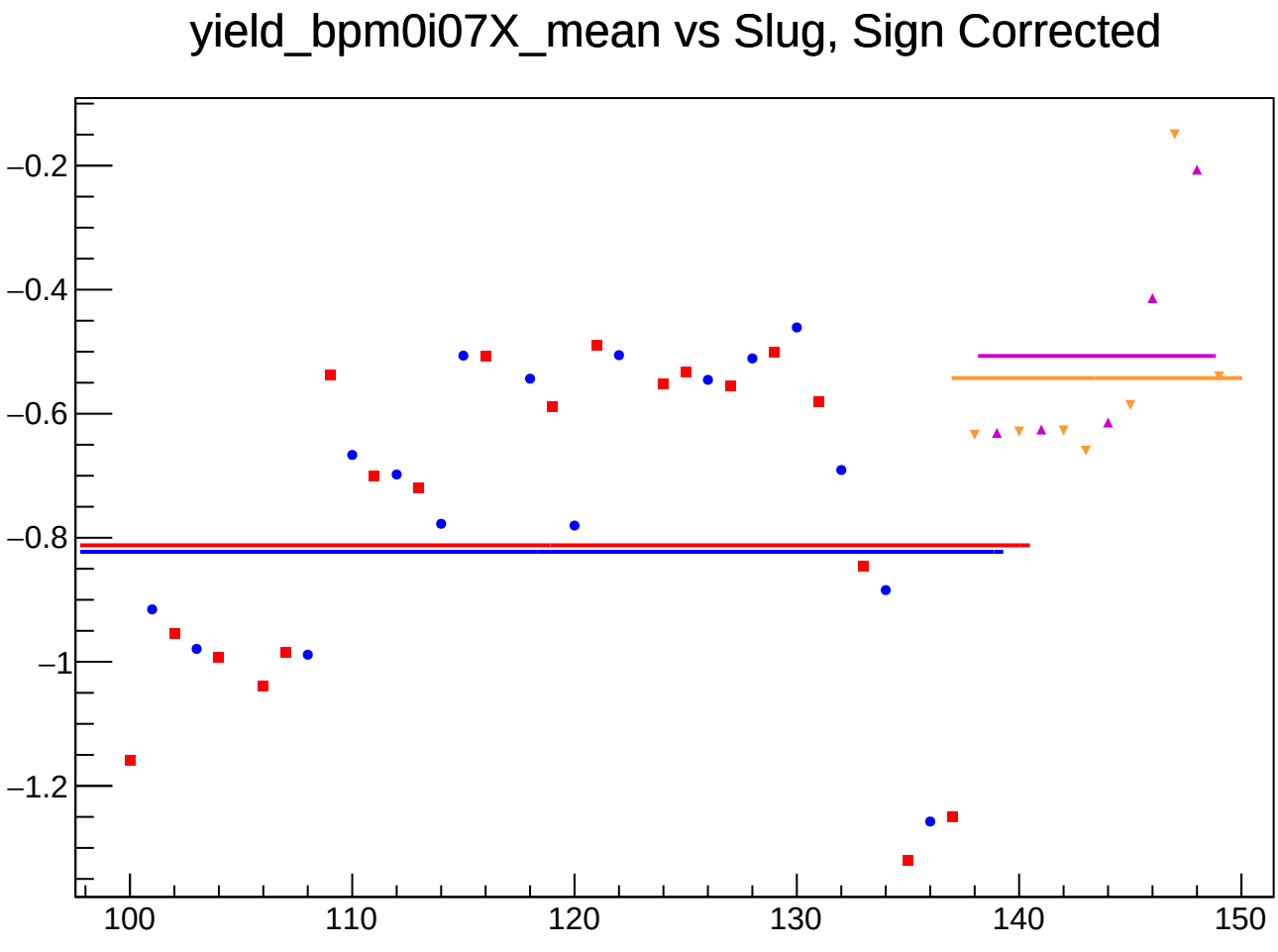
Left: 0.004+/-0.000 χ^2/NDF: 143711.2/11

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

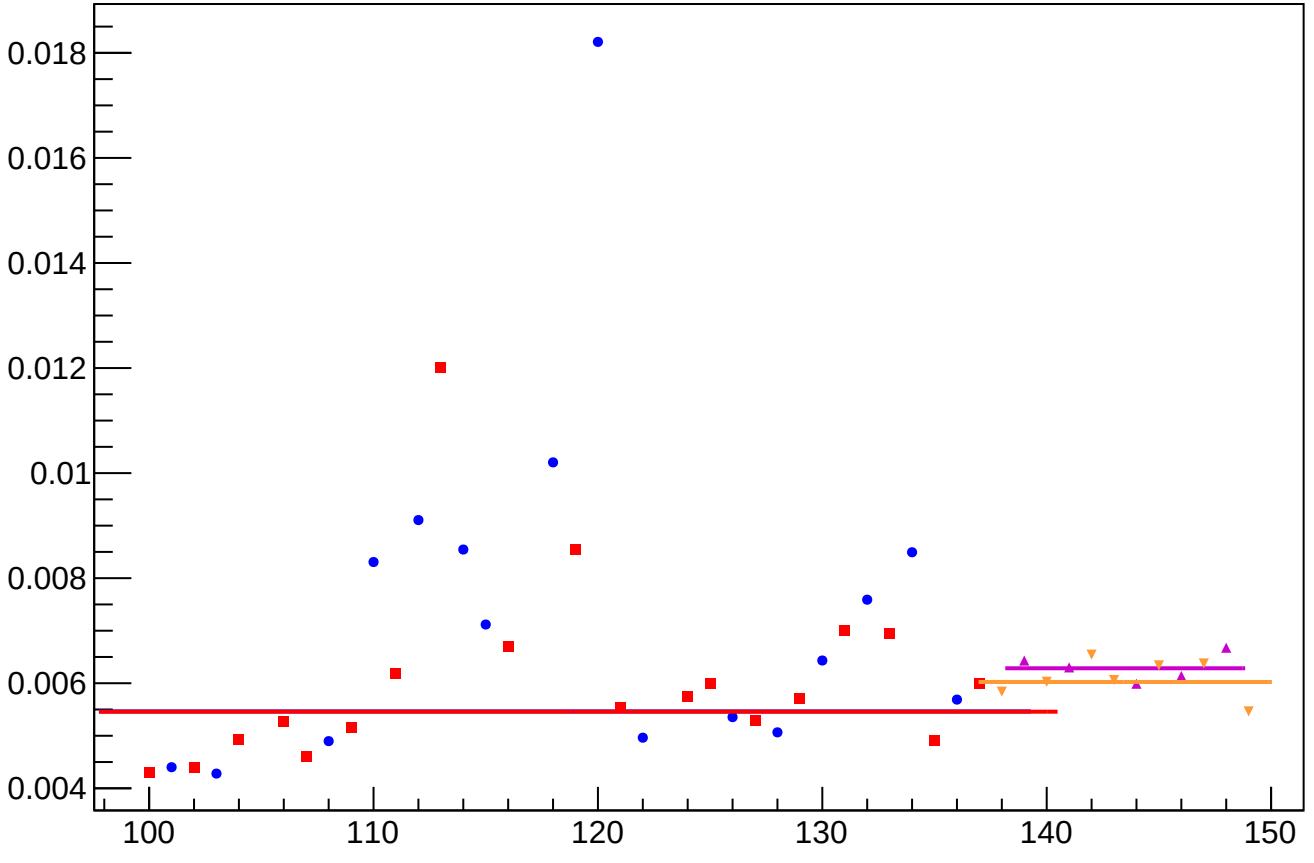
In: 0.005+/-0.000 χ^2/NDF:1483357.8/20

Out: 0.005+/-0.000 χ^2/NDF:1413478.5/25

All: 0.005+/-0.000 χ^2/NDF: 2936792.9/46


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.543+/-0.000 χ²/NDF:3479788116.3/6
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.507+/-0.000 χ²/NDF:2528295627.4/4
Left: -0.527+/-0.000 χ²/NDF: 6078591625.6/11
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.713+/-0.000 χ²/NDF:21139876215.4/20
Out: -0.707+/-0.000 χ²/NDF:24003868772.6/25
All: -0.710+/-0.000 χ²/NDF: 45149022017.8/

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:30268.2/6

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: 48554.3/11

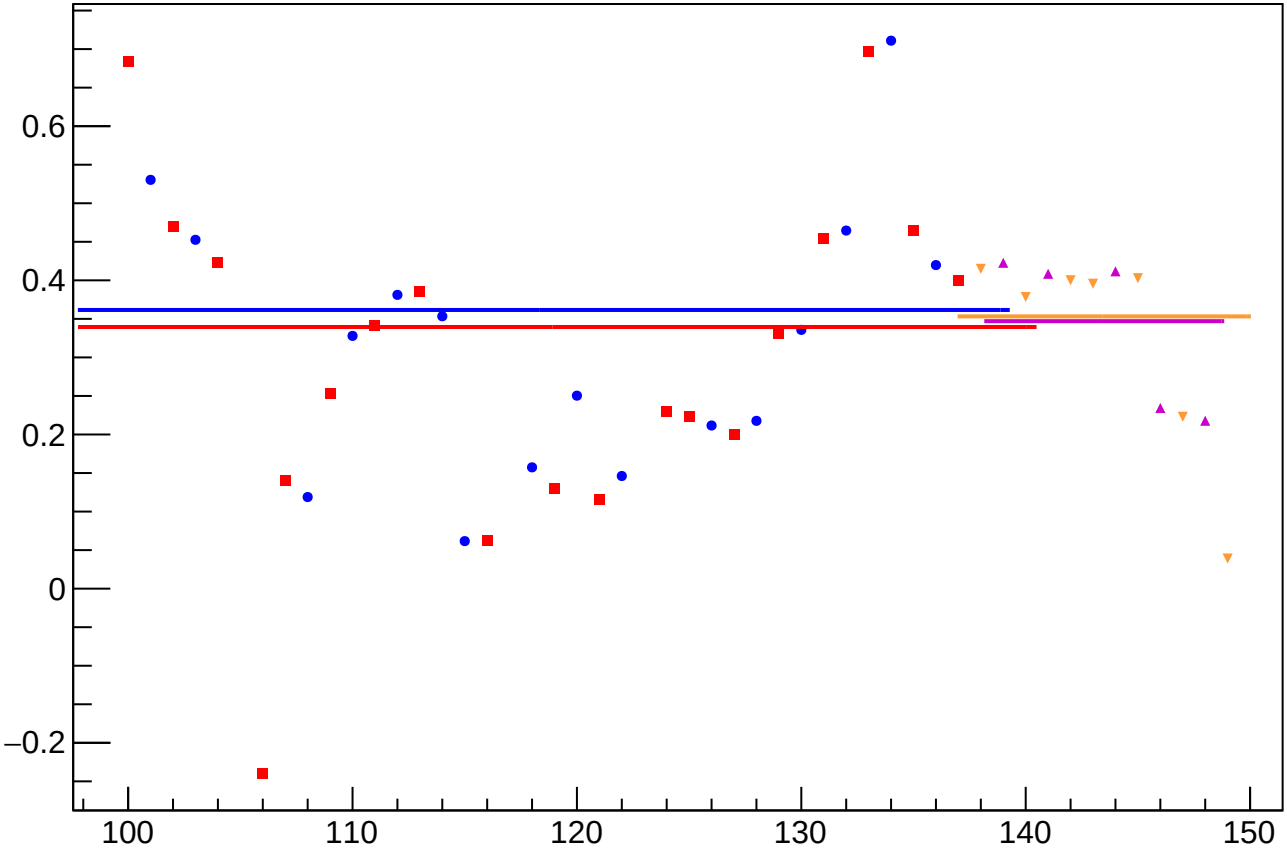
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1058601.5/20

Out: 0.006+/-0.000 χ^2/NDF:588254.8/25

All: 0.006+/-0.000 χ^2/NDF: 1648337.2/46

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.353+/-0.000 χ^2/NDF:2467164760.2/6

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: 0.350+/-0.000 χ^2/NDF: 4024734154.5/11

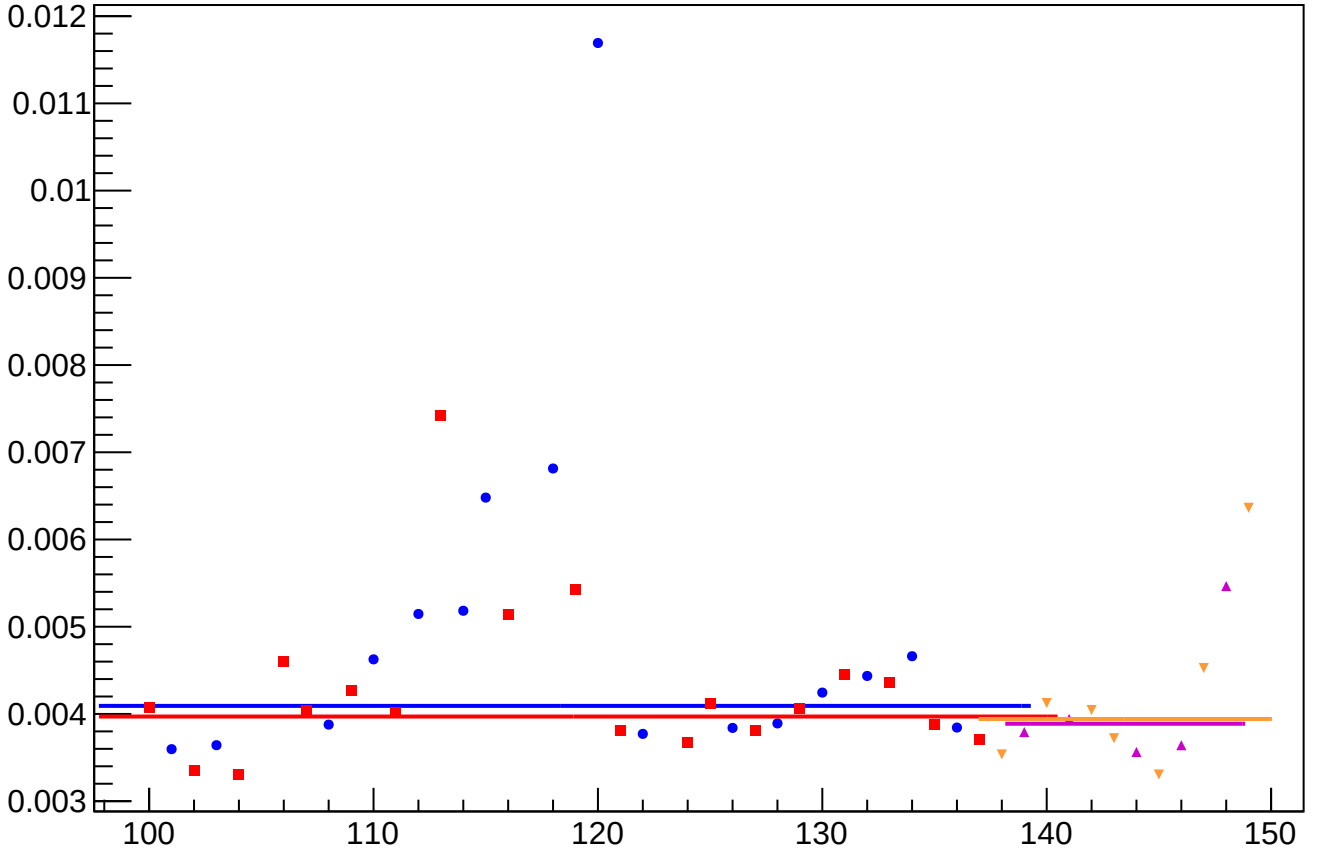
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.356+/-0.000 χ^2/NDF:10356443287.0/20

Out: 0.344+/-0.000 χ^2/NDF:14566657788.3/25

All: 0.350+/-0.000 χ^2/NDF: 24966450747.4/4

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:271479.1/6

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: 388304.6/11

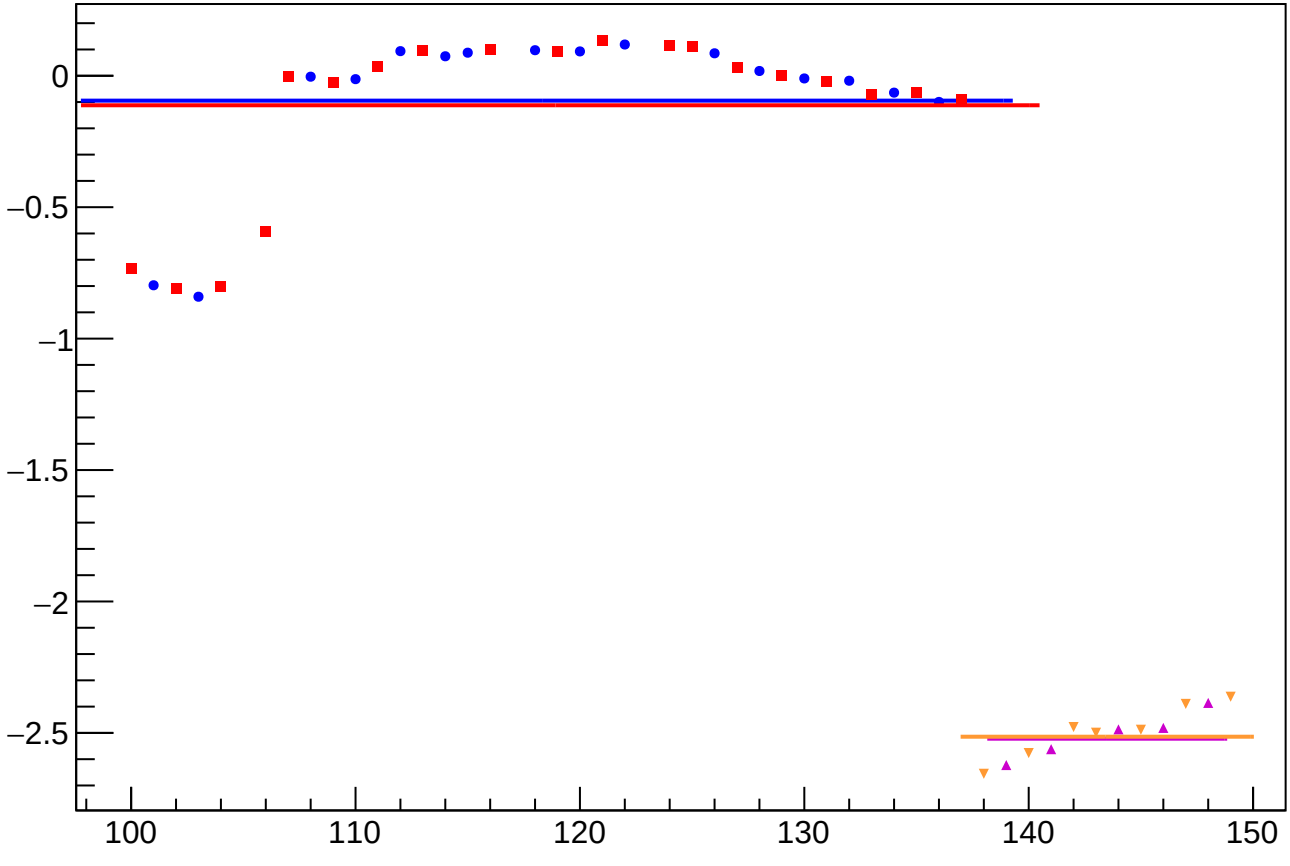
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:618657.7/20

Out: 0.004+/-0.000 χ^2/NDF:585408.5/25

All: 0.004+/-0.000 χ^2/NDF: 1206260.1/46

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.514+/-0.000 χ^2/NDF:202972500.2/6

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.522+/-0.000 χ^2/NDF:111105811.4/4

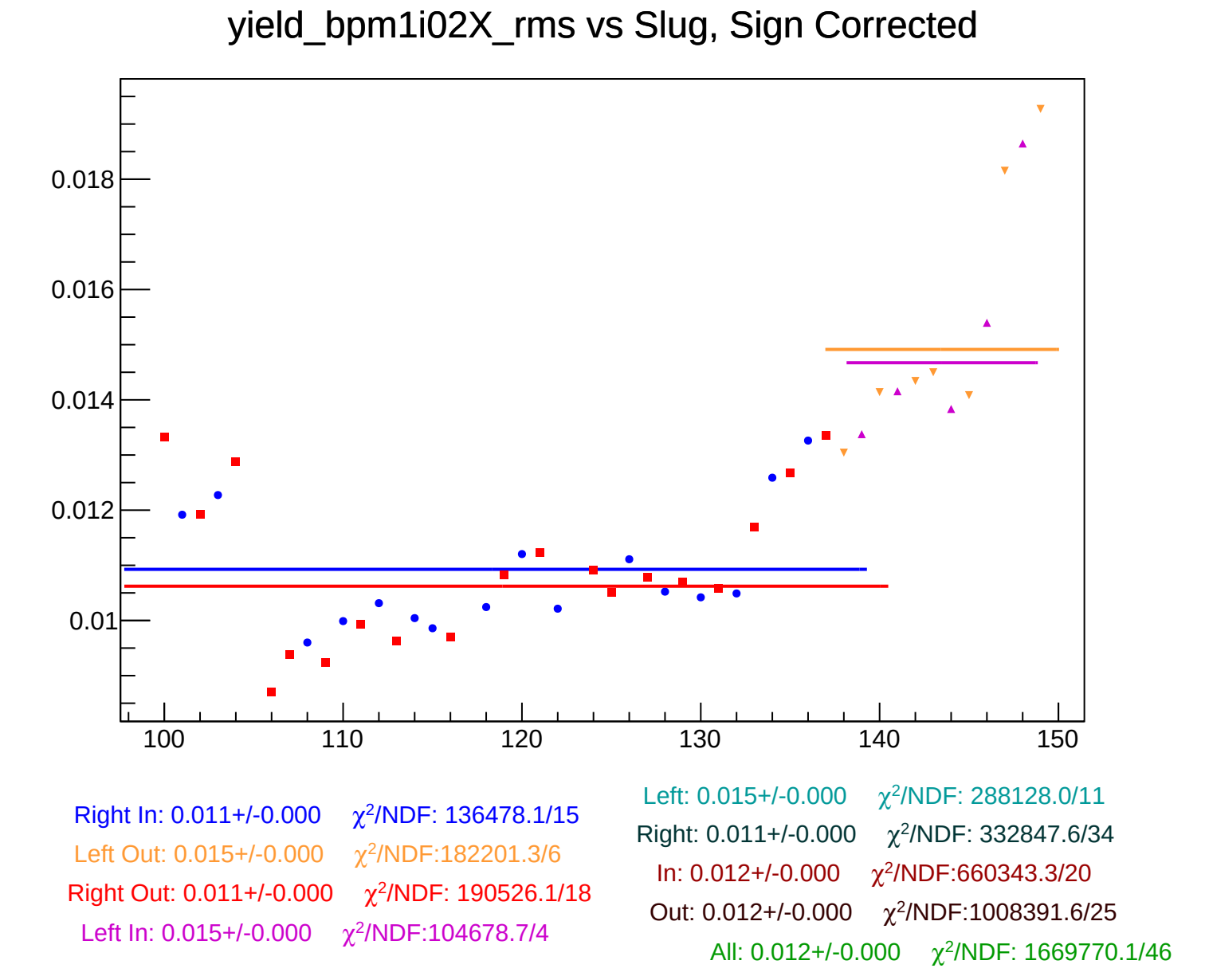
Left: -2.518+/-0.000 χ^2/NDF: 314692612.3/11

Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

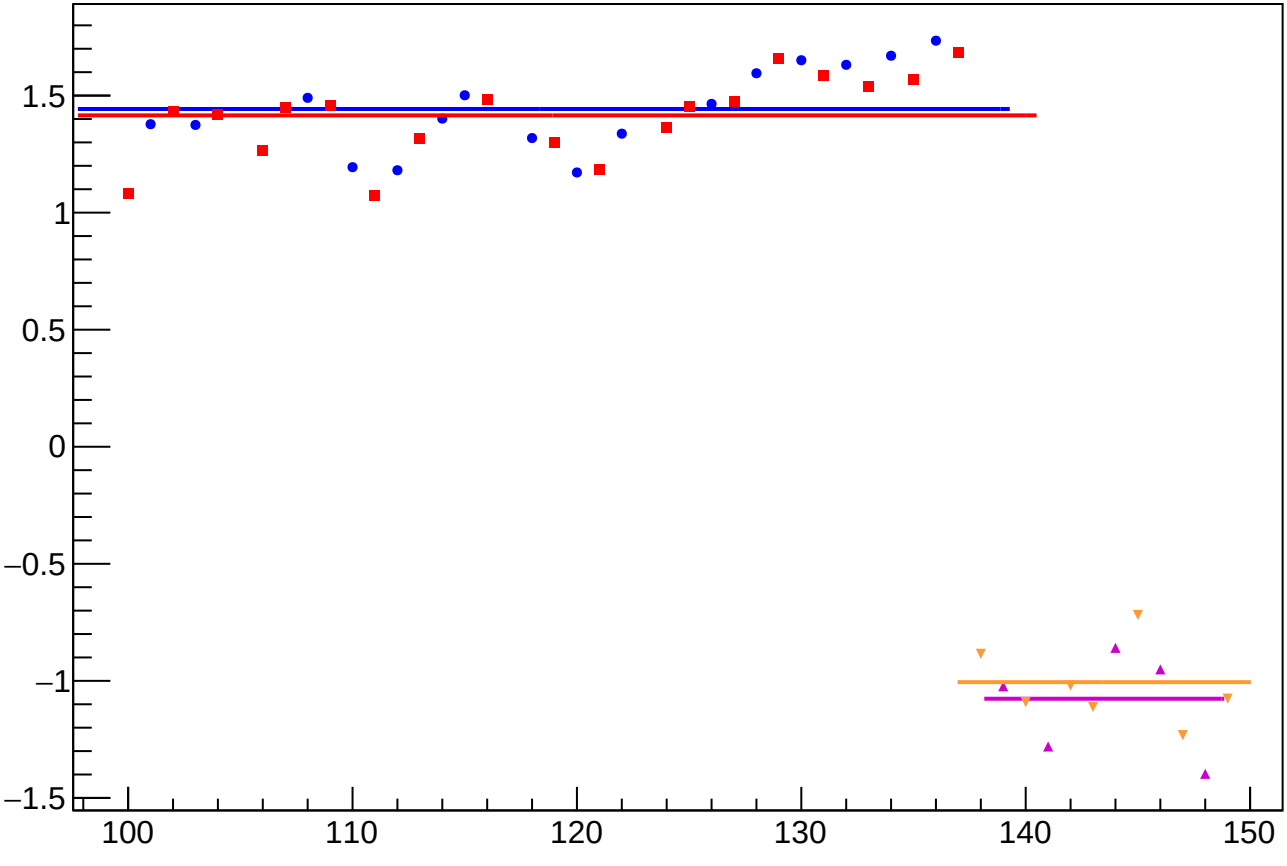
In: -0.703+/-0.000 χ^2/NDF:93619062451.8/20

Out: -0.746+/-0.000 χ^2/NDF:105929689854.9/25

All: -0.726+/-0.000 χ^2/NDF: 199629388732.2


yield_bpm1i02X_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
100
110
120
130
140
150
Right In: 0.011+/-0.000 χ²/NDF: 136478.1/15
Left Out: 0.015+/-0.000 χ²/NDF:182201.3/6
Right Out: 0.011+/-0.000 χ²/NDF: 190526.1/18
Left In: 0.015+/-0.000 χ²/NDF:104678.7/4
Left: 0.015+/-0.000 χ²/NDF: 288128.0/11
Right: 0.011+/-0.000 χ²/NDF: 332847.6/34
In: 0.012+/-0.000 χ²/NDF:660343.3/20
Out: 0.012+/-0.000 χ²/NDF:1008391.6/25
All: 0.012+/-0.000 χ²/NDF: 1669770.1/46

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.006+/-0.000 χ^2/NDF:1178071023.9/6

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: -1.038+/-0.000 χ^2/NDF: 2657892570.5/11

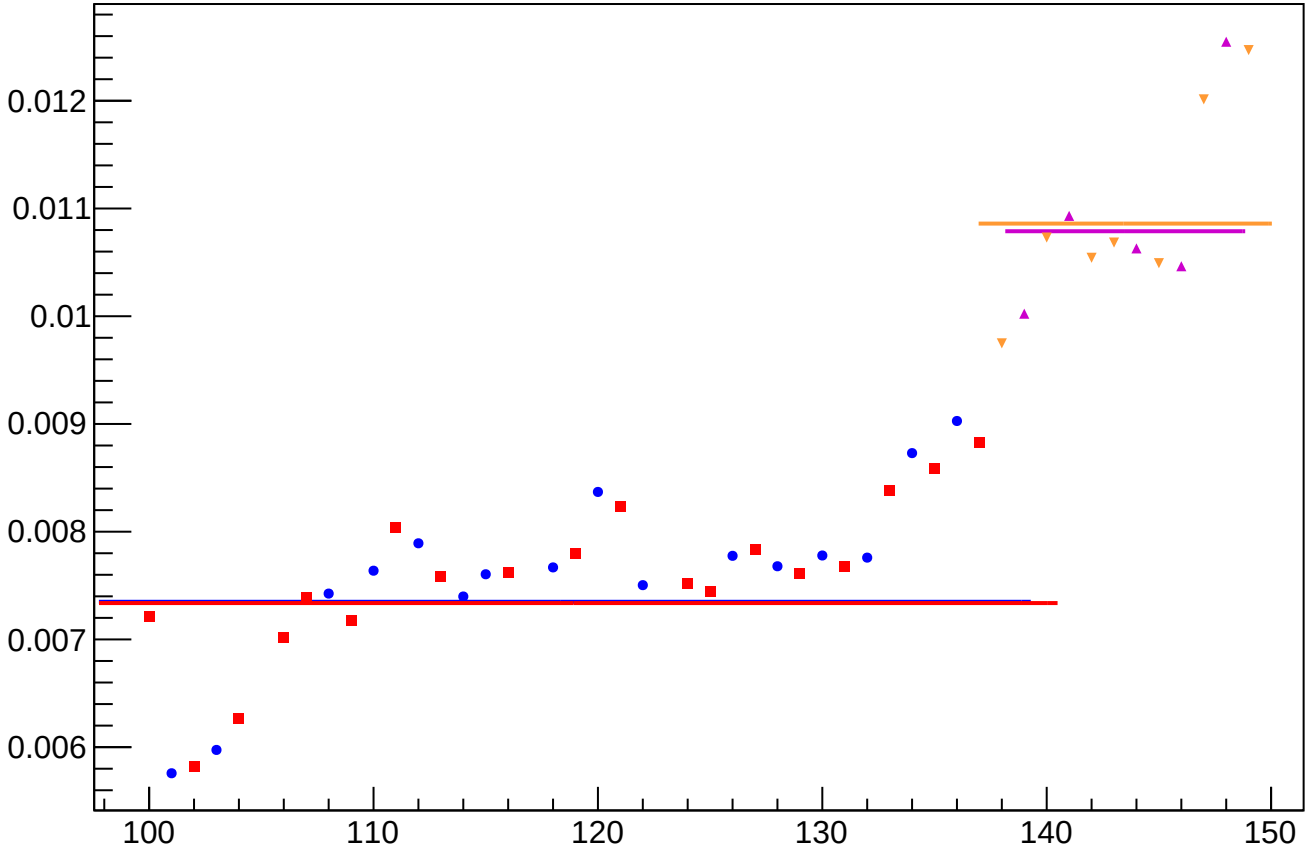
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.885+/-0.000 χ^2/NDF:188777836683.1/20

Out: 0.817+/-0.000 χ^2/NDF:202326079718.9/25

All: 0.850+/-0.000 χ^2/NDF: 391511412592.7

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:66645.7/6

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: 111833.4/11

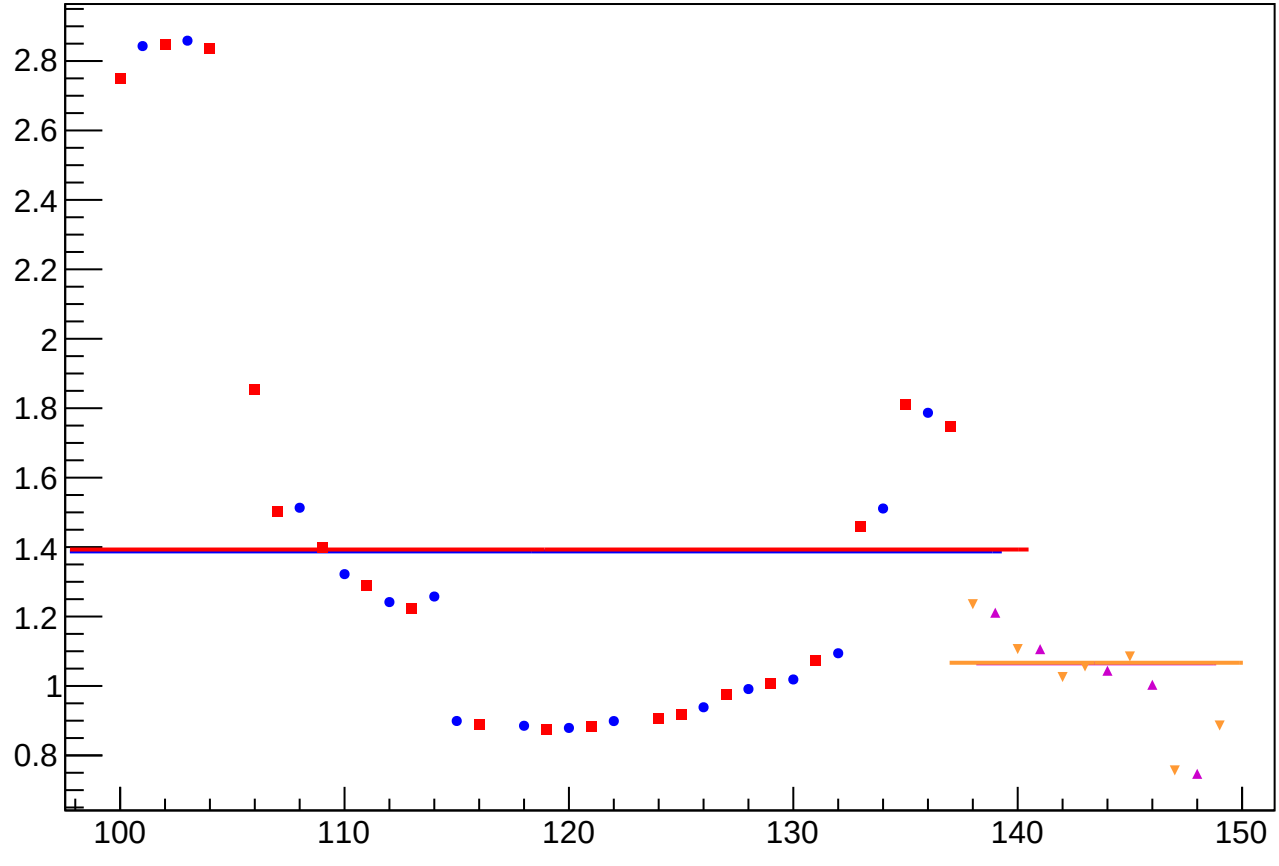
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1000656.5/20

Out: 0.008+/-0.000 χ^2/NDF:1101744.7/25

All: 0.008+/-0.000 χ^2/NDF: 2104069.3/46

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.067+/-0.000 χ^2/NDF:1116678371.5/6

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: 1.066+/-0.000 χ^2/NDF: 2069238514.5/11

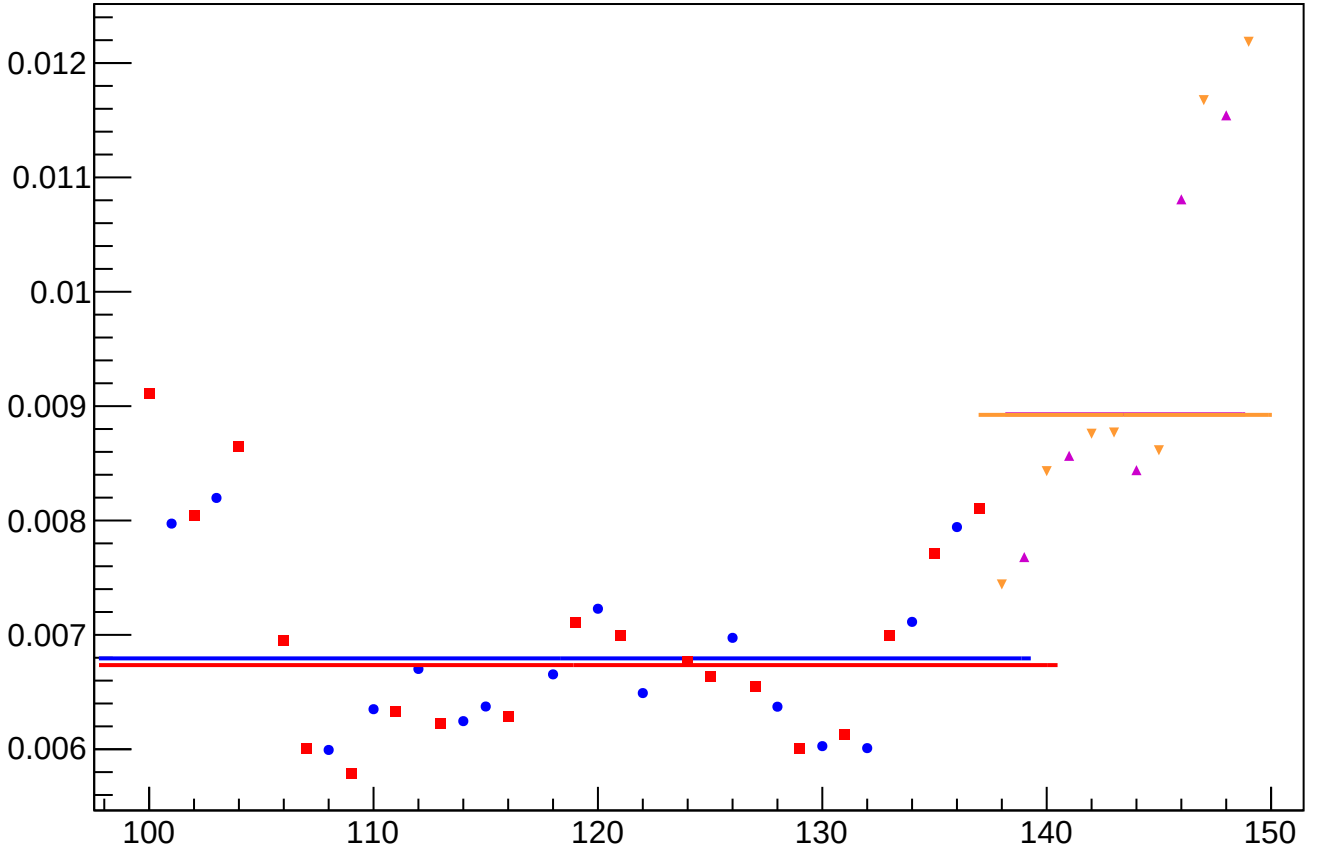
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.307+/-0.000 χ^2/NDF:63549860098.3/20

Out: 1.302+/-0.000 χ^2/NDF:61270771401.8/25

All: 1.305+/-0.000 χ^2/NDF: 124823070517.7

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:261716.1/6

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: 443312.5/11

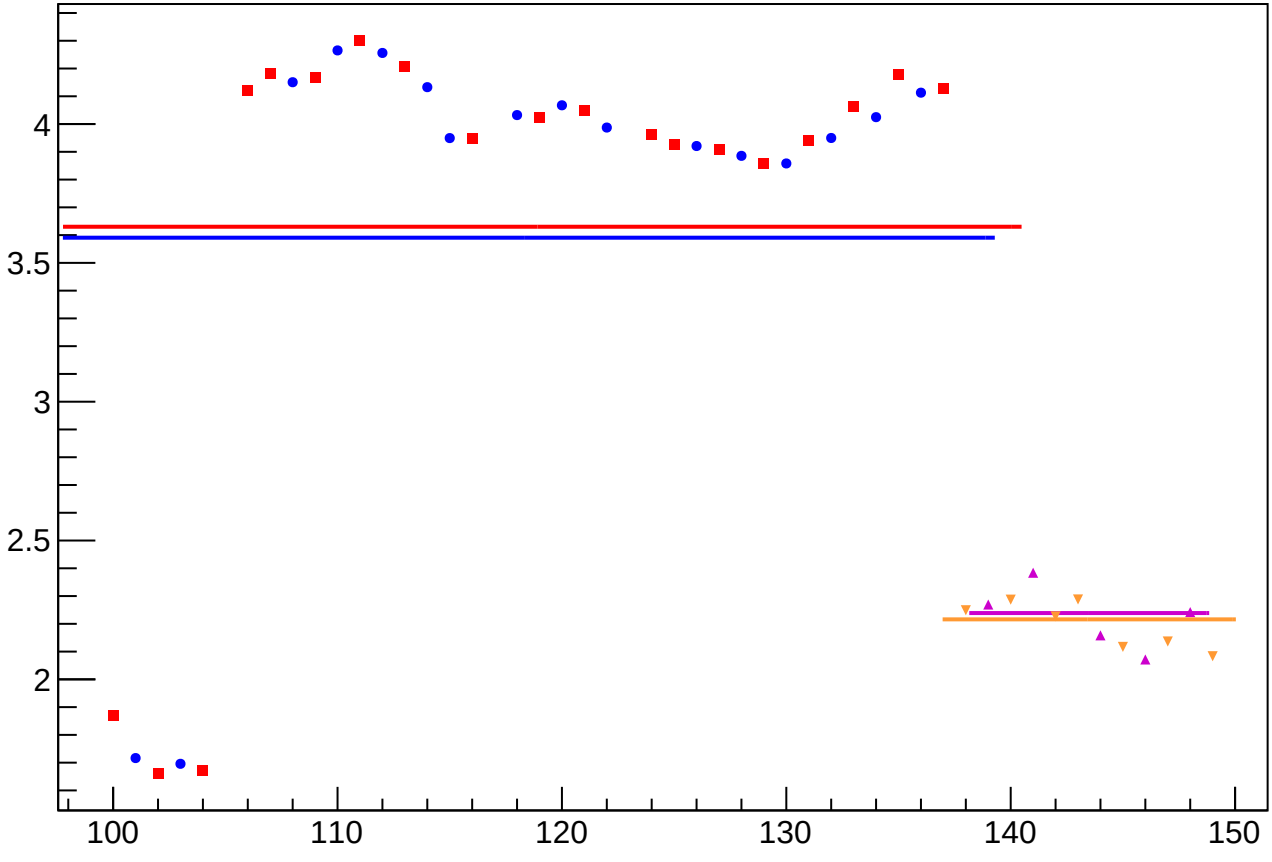
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:695417.1/20

Out: 0.007+/-0.000 χ^2/NDF:891220.9/25

All: 0.007+/-0.000 χ^2/NDF: 1586698.6/46

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.216+/-0.000 χ^2/NDF:462908050.0/6

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: 2.226+/-0.000 χ^2/NDF: 1160913759.8/11

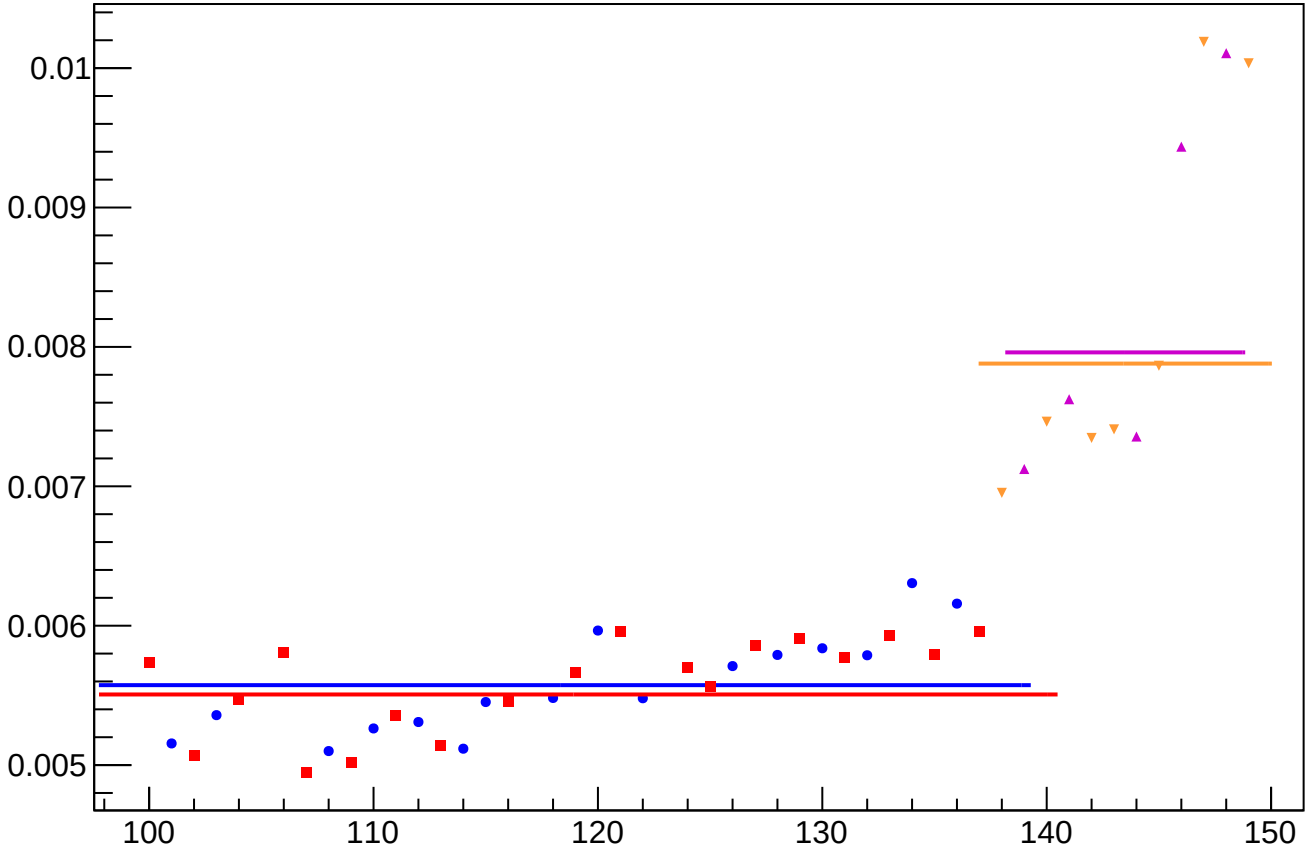
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.297+/-0.000 χ^2/NDF:294376349919.3/20

Out: 3.278+/-0.000 χ^2/NDF:332981620717.7/25

All: 3.287+/-0.000 χ^2/NDF: 627415479648.4

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:187848.3/6

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: 332938.1/11

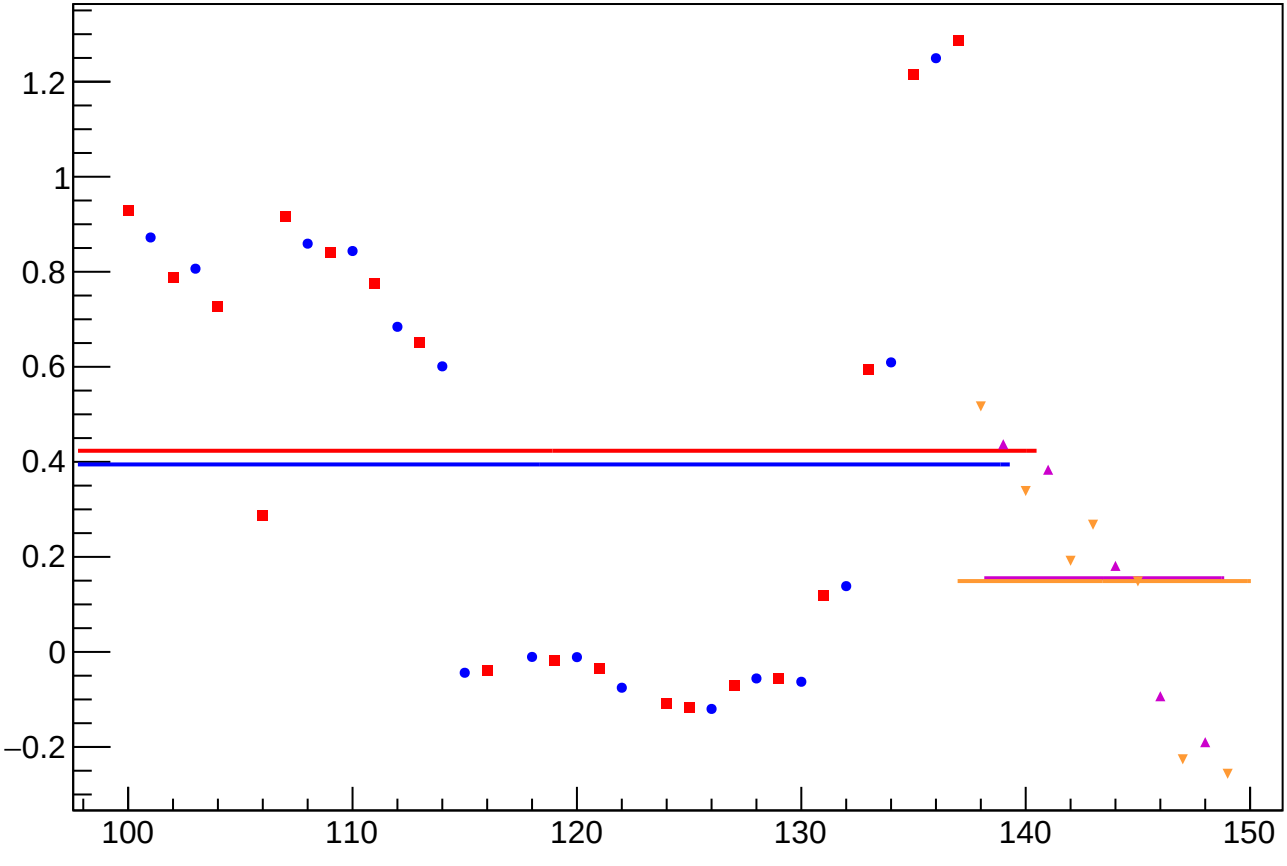
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:774460.2/20

Out: 0.006+/-0.000 χ^2/NDF:921148.4/25

All: 0.006+/-0.000 χ^2/NDF: 1695620.4/46

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.149+/-0.000 χ^2/NDF:1387829301.6/6

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: 0.152+/-0.000 χ^2/NDF: 2322735712.2/11

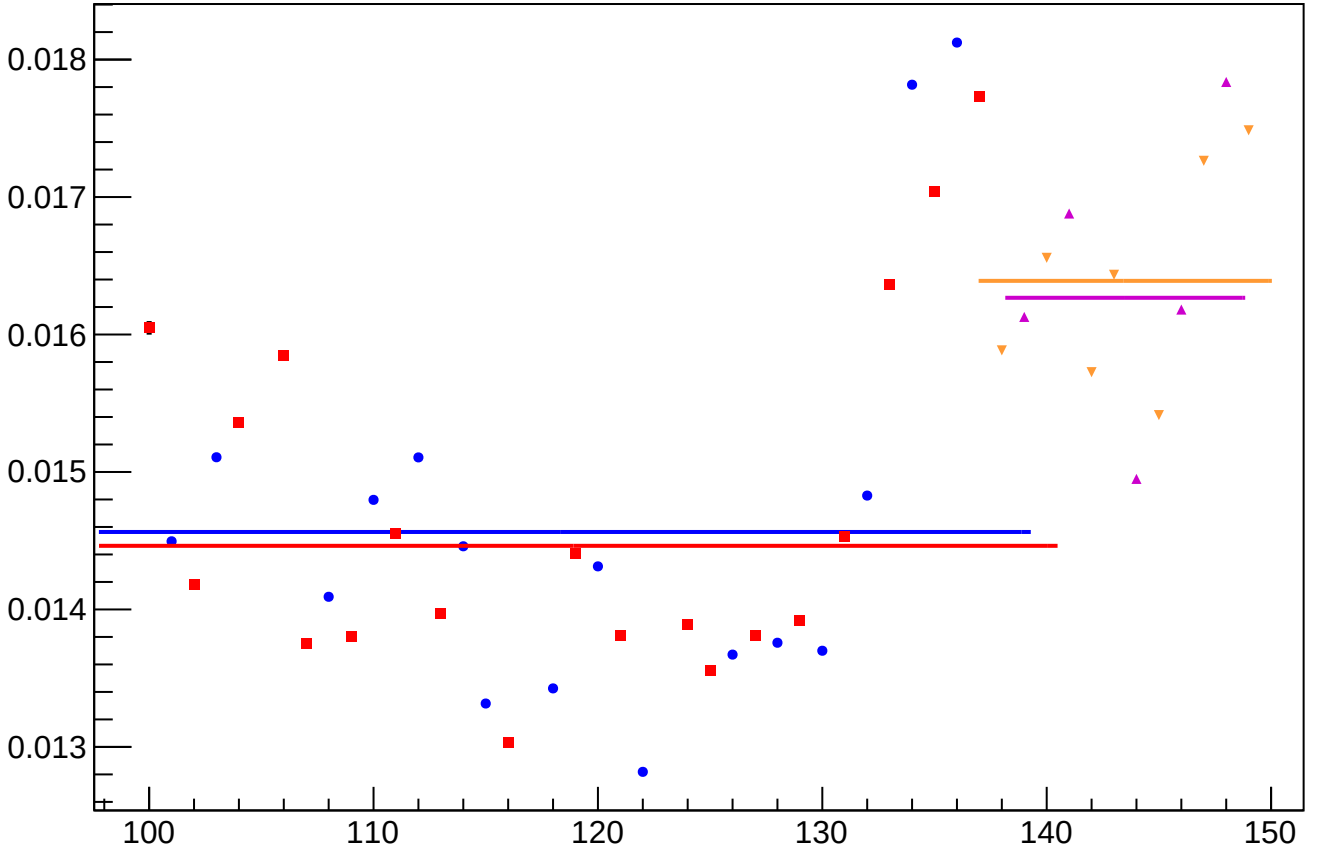
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.316+/-0.000 χ^2/NDF:8973615902.9/20

Out: 0.325+/-0.000 χ^2/NDF:9234064972.2/25

All: 0.321+/-0.000 χ^2/NDF: 18209464446.1/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:20273.0/6

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: 49654.7/11

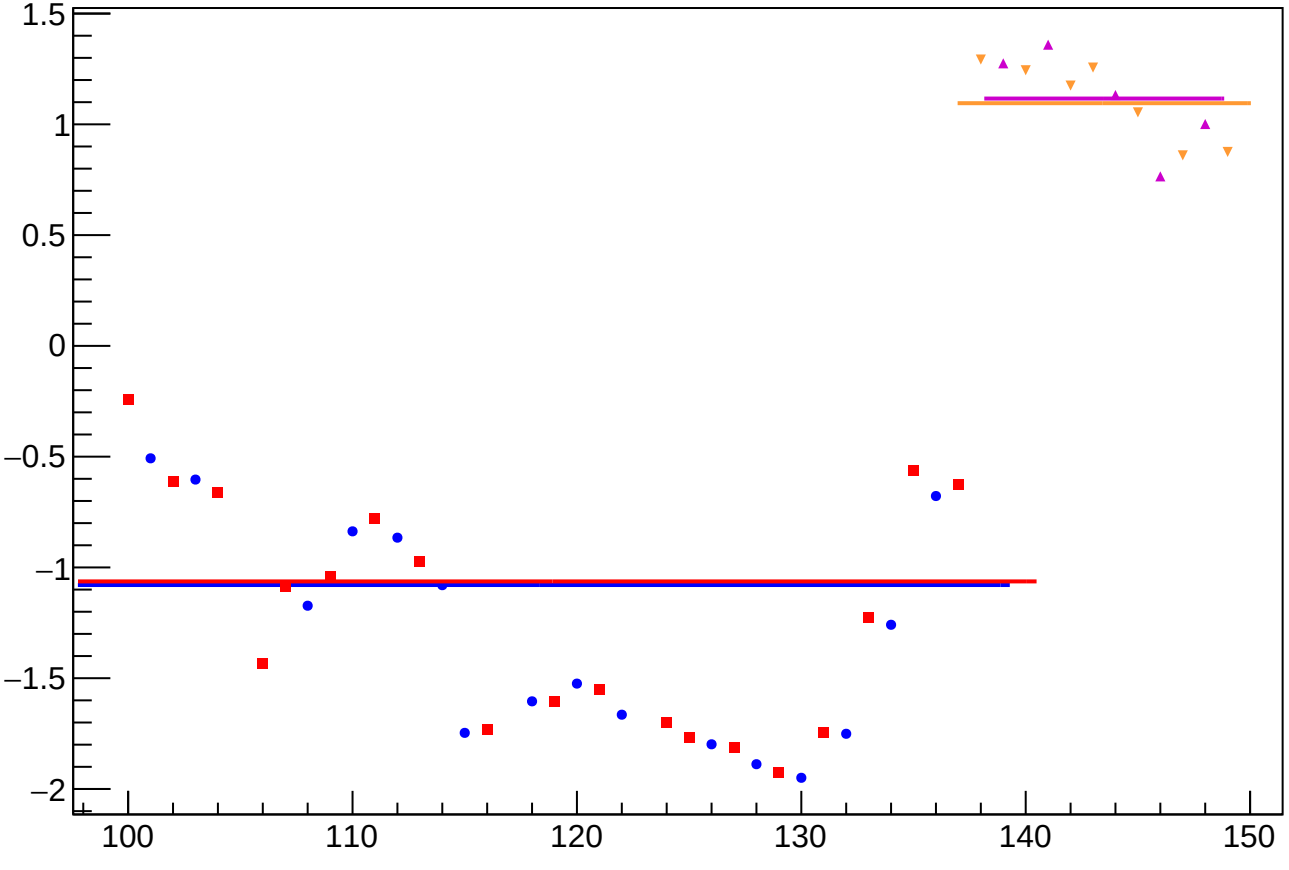
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:225633.9/20

Out: 0.015+/-0.000 χ^2/NDF:190766.3/25

All: 0.015+/-0.000 χ^2/NDF: 416469.9/46

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.095+/-0.000 χ^2/NDF:10266262056.9/6

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: 1.104+/-0.000 χ^2/NDF: 19306314525.8/11

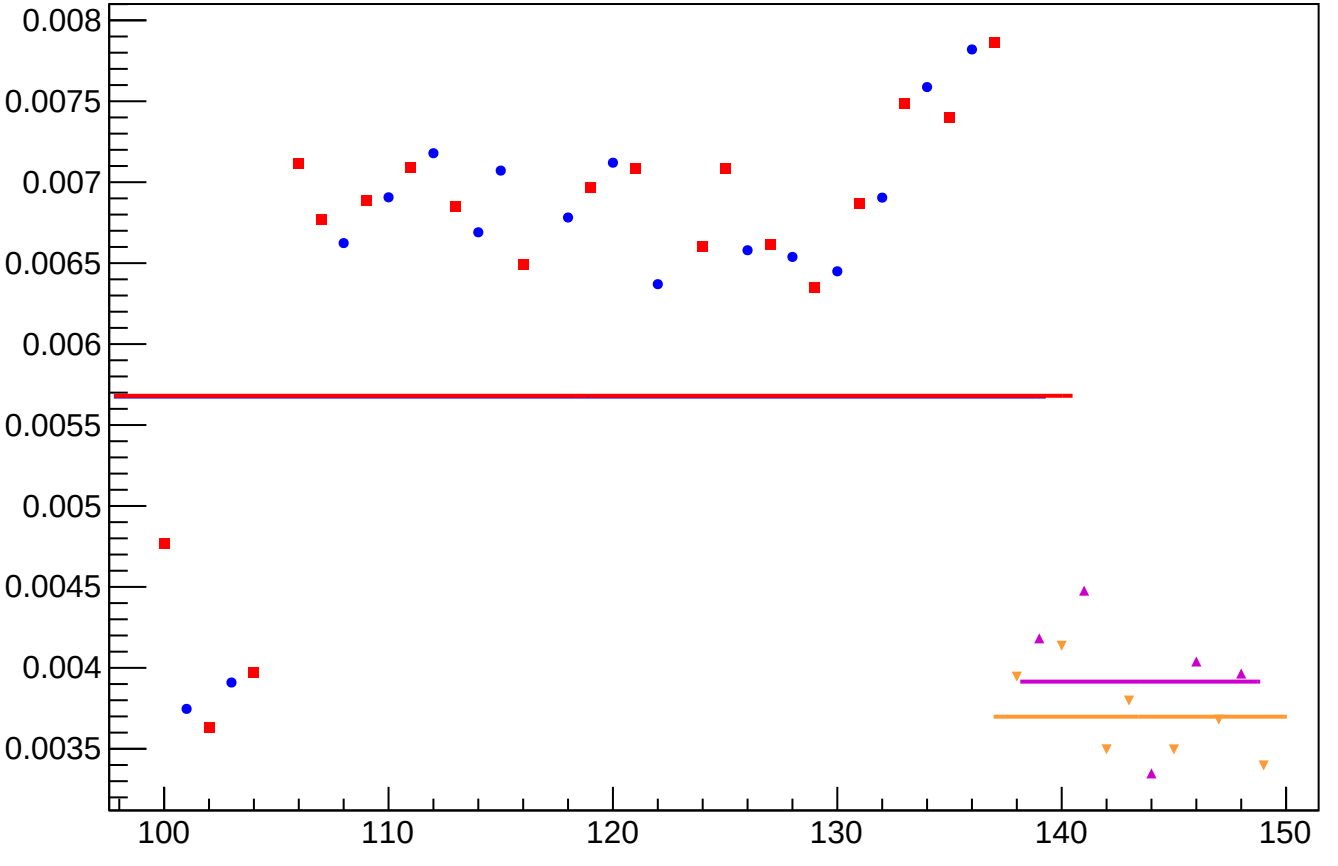
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.135+/-0.000 χ^2/NDF:595720275005.1/20

Out: 0.307+/-0.000 χ^2/NDF:651150932154.3/25

All: 0.230+/-0.000 χ^2/NDF: 1254105771642.

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:43458.4/6

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: 139377.7/11

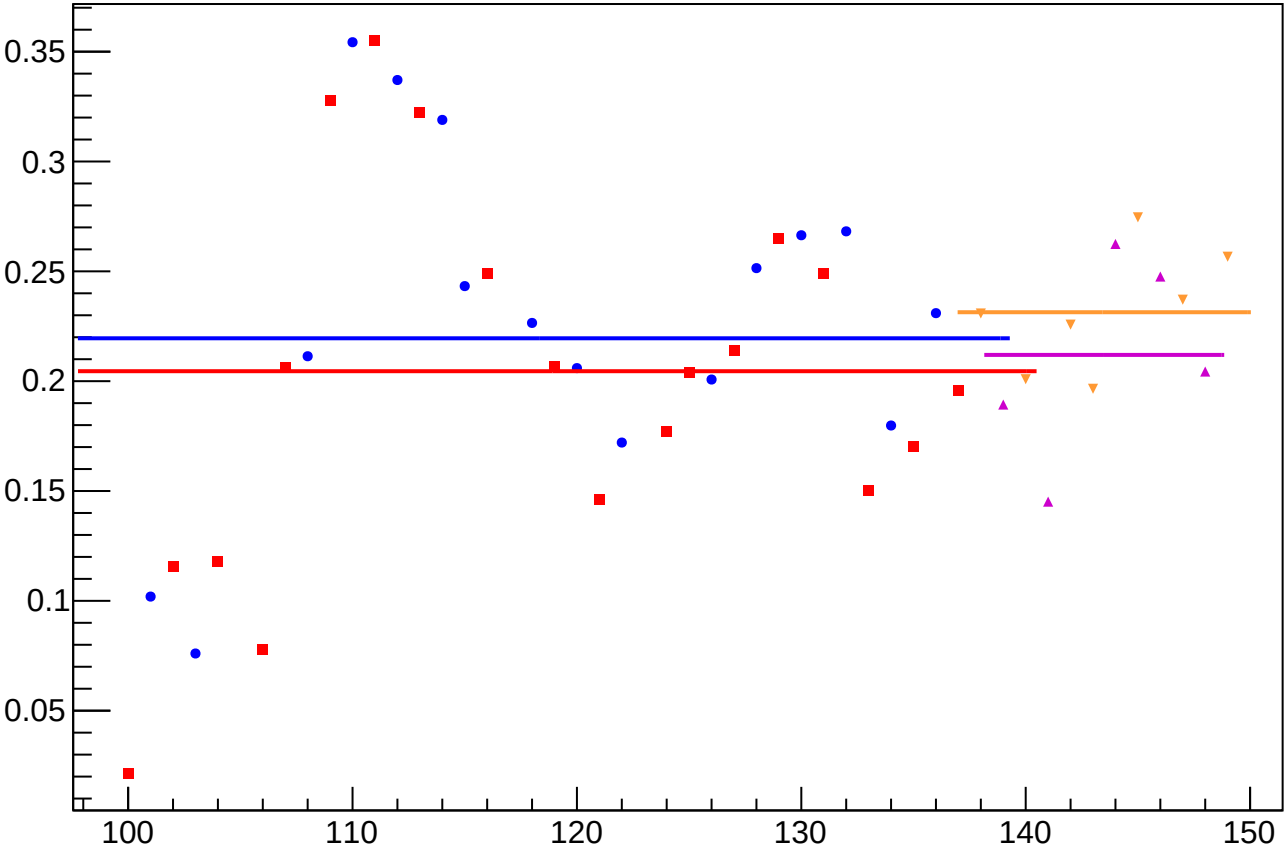
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1705244.2/20

Out: 0.004+/-0.000 χ^2/NDF:2020703.0/25

All: 0.005+/-0.000 χ^2/NDF: 3764178.8/46

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.231+/-0.000 χ^2/NDF:2002321653.3/6

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: 0.223+/-0.000 χ^2/NDF: 6545976675.3/11

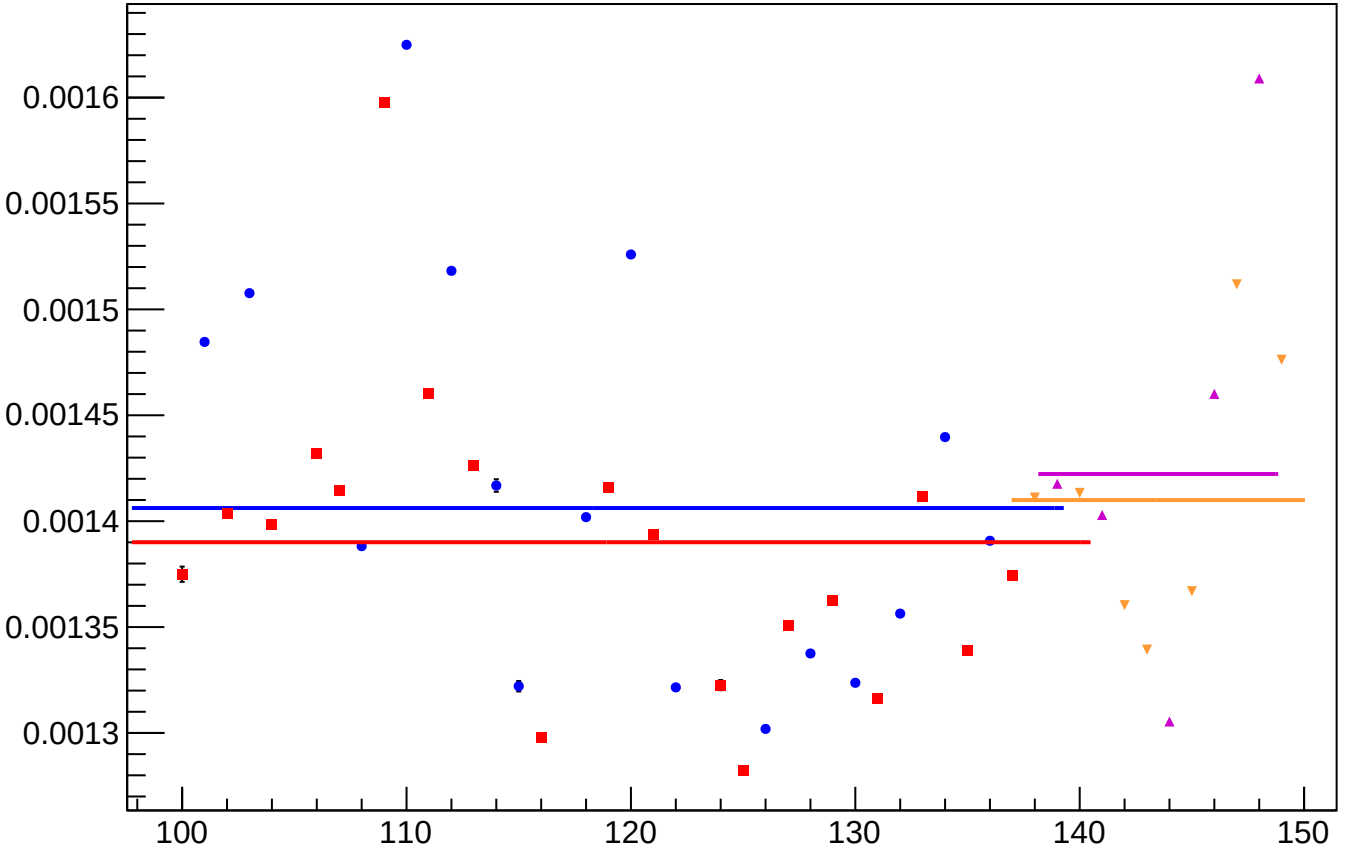
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.217+/-0.000 χ^2/NDF:20905042208.2/20

Out: 0.216+/-0.000 χ^2/NDF:25439794758.6/25

All: 0.216+/-0.000 χ^2/NDF: 46348452457.8/4

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:17809.0/6

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:36970.5/4

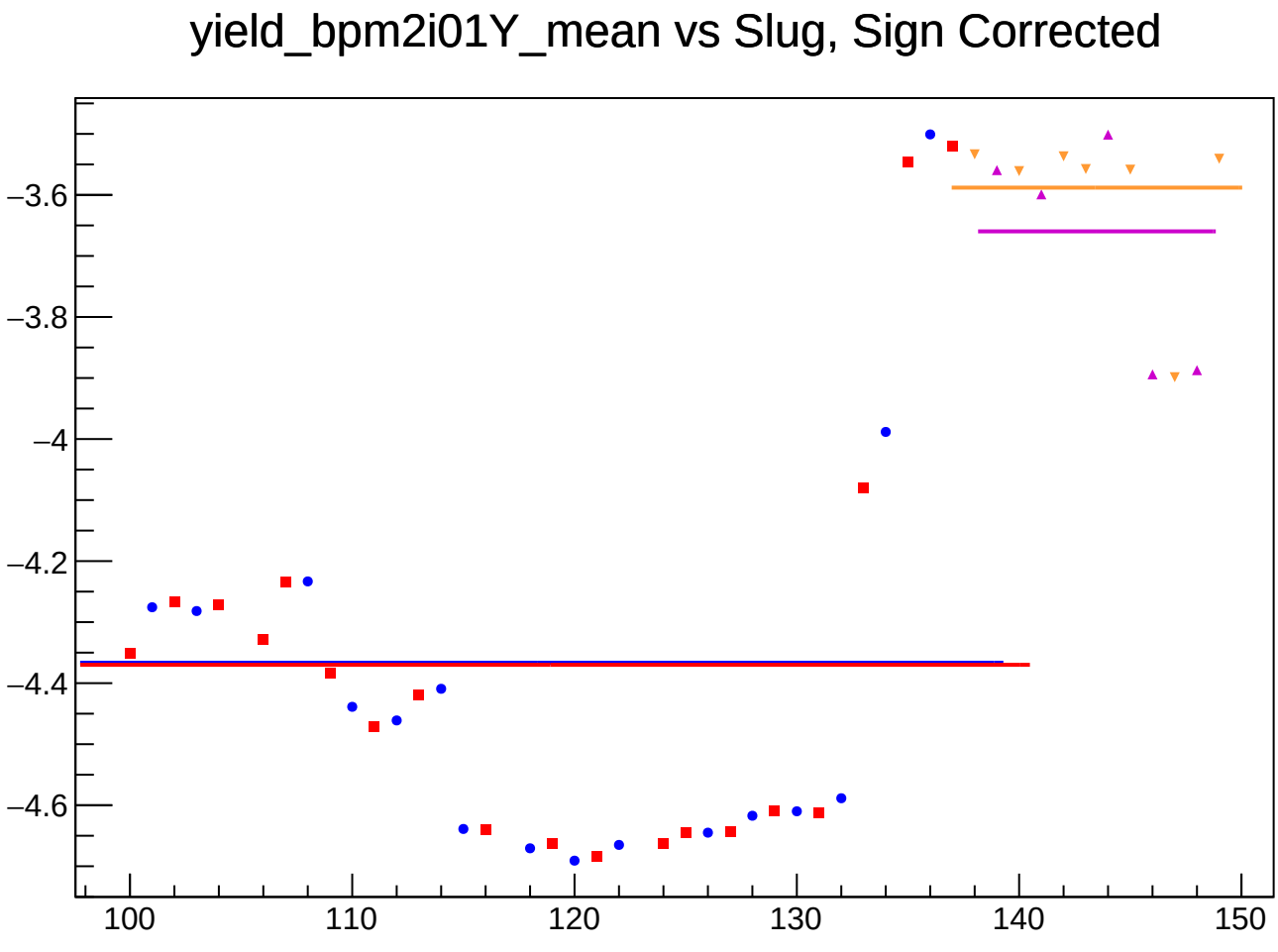
Left: 0.001+/-0.000 χ^2/NDF: 55135.4/11

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:53832.9/25

All: 0.001+/-0.000 χ^2/NDF: 140860.6/46



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.588+/-0.000 χ^2/NDF:17505232386.4/6

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: -3.620+/-0.000 χ^2/NDF: 50370076935.8/11

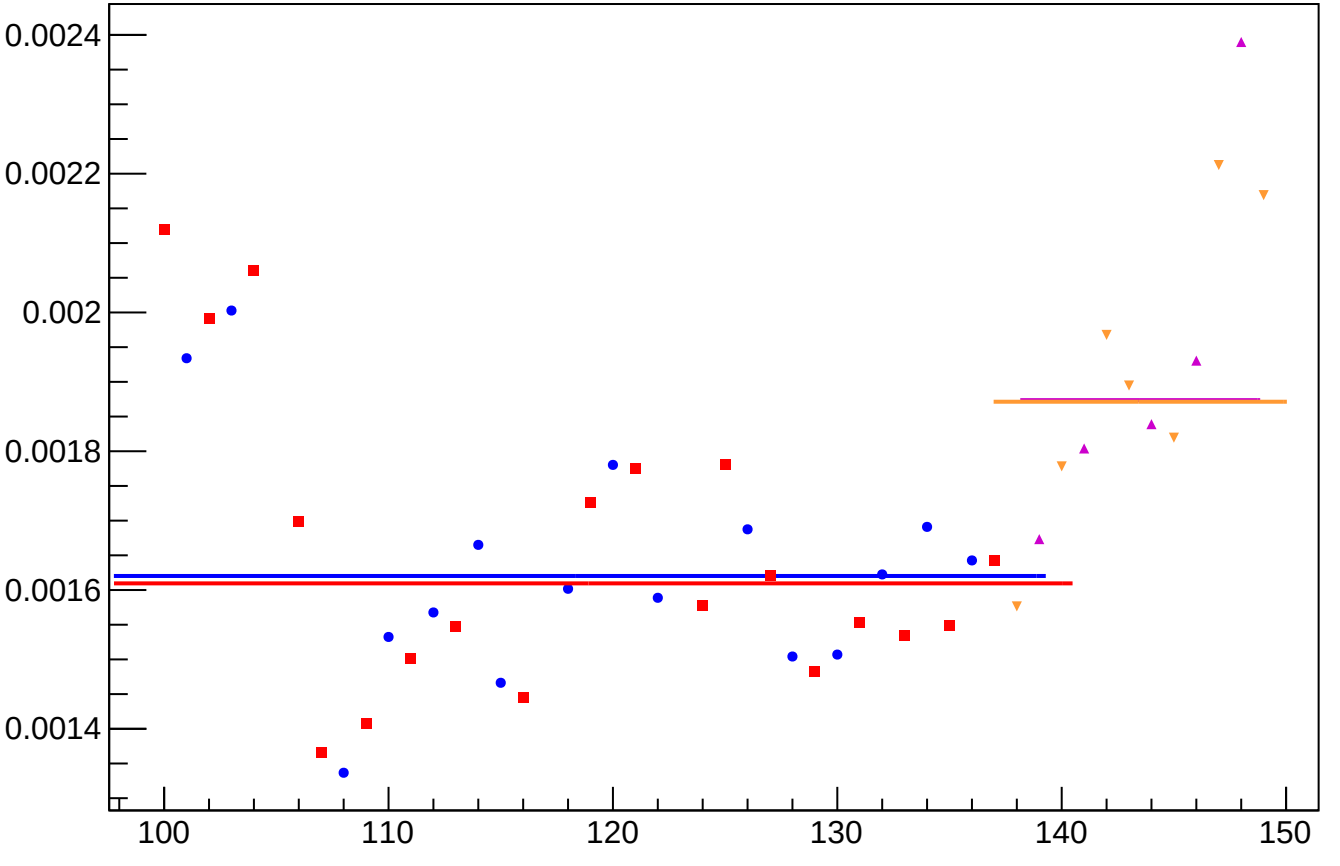
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.149+/-0.000 χ^2/NDF:784430564553.0/20

Out: -4.103+/-0.000 χ^2/NDF:886440443604.2/25

All: -4.125+/-0.000 χ^2/NDF: 1675077489128

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:126163.4/6

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: 228524.7/11

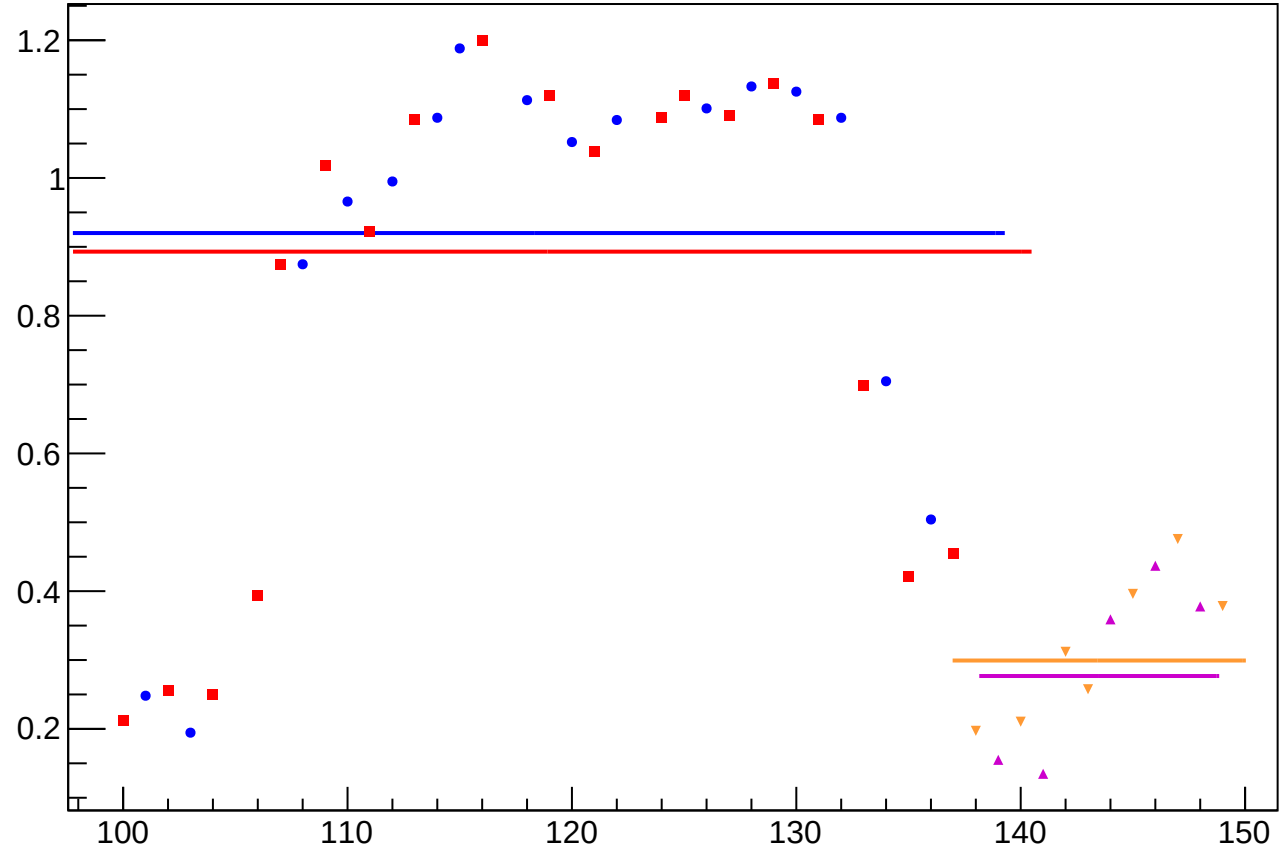
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:345905.8/20

Out: 0.002+/-0.000 χ^2/NDF:439543.3/25

All: 0.002+/-0.000 χ^2/NDF: 785451.3/46

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.299+/-0.000 χ^2/NDF:554002553.4/6

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: 0.289+/-0.000 χ^2/NDF: 1364581811.3/11

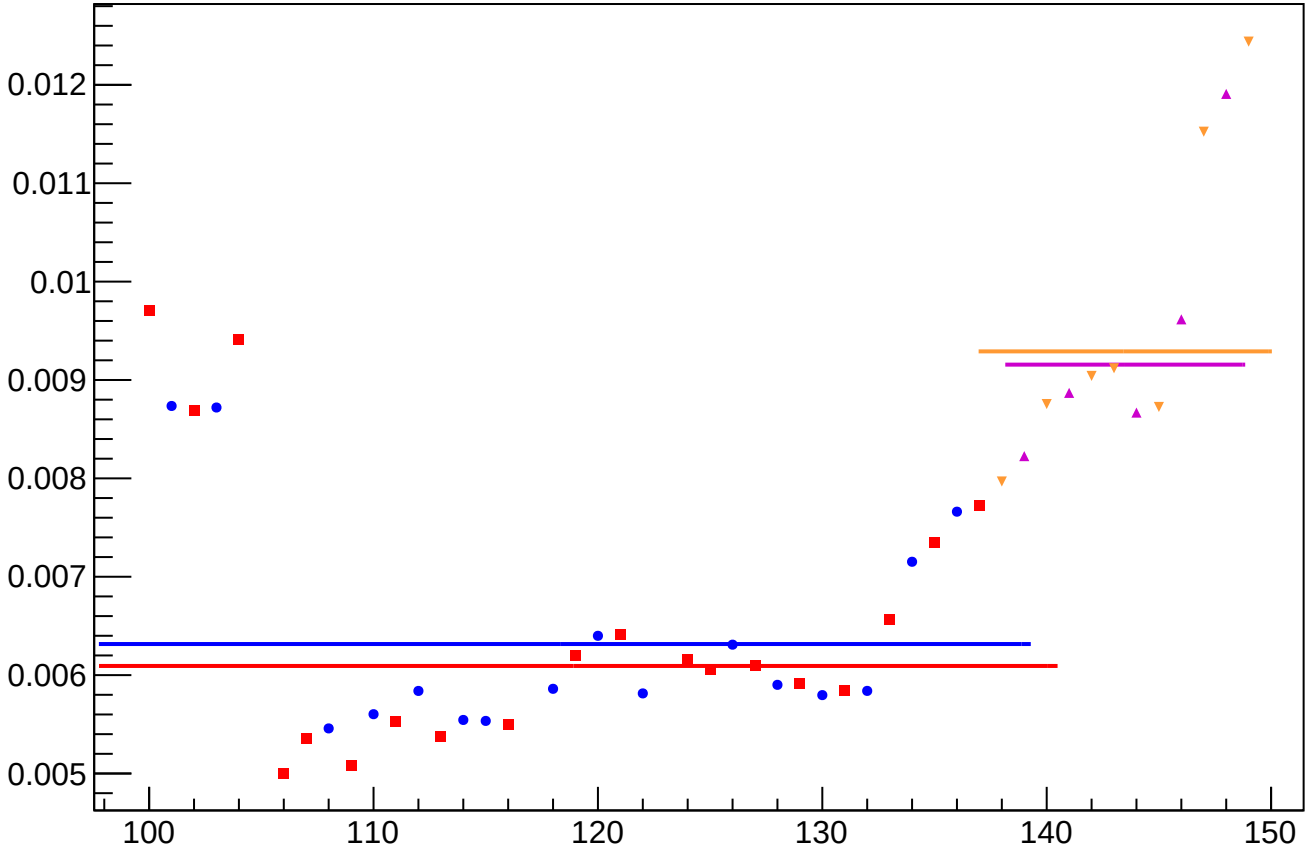
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.775+/-0.000 χ^2/NDF:31714916634.9/20

Out: 0.753+/-0.000 χ^2/NDF:34400516409.8/25

All: 0.764+/-0.000 χ^2/NDF: 66173874248.8/4

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:224496.6/6

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: 347488.6/11

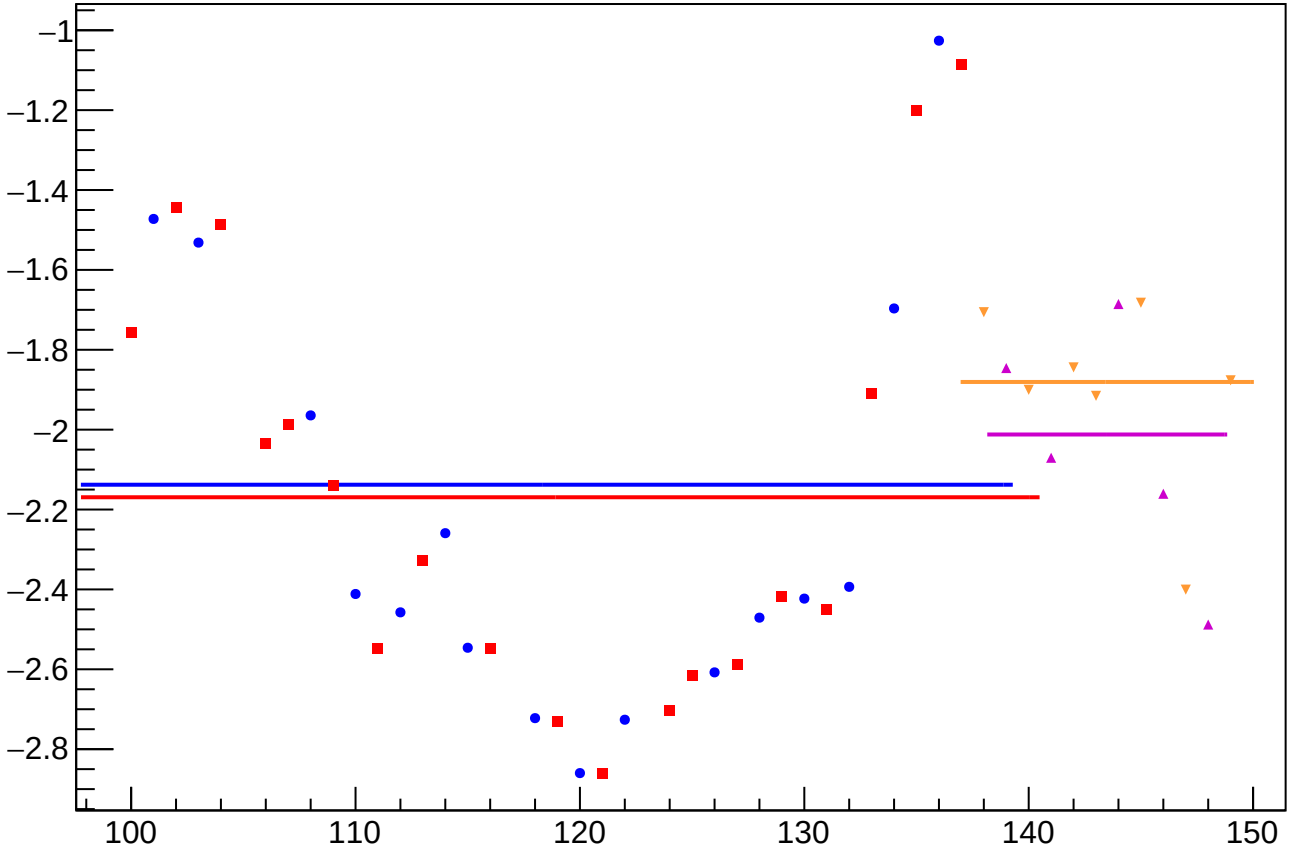
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1095248.1/20

Out: 0.007+/-0.000 χ^2/NDF:1600390.8/25

All: 0.007+/-0.000 χ^2/NDF: 2698503.8/46

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:3810247538.8/6

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: -1.940+/-0.000 χ^2/NDF: 8942128230.3/11

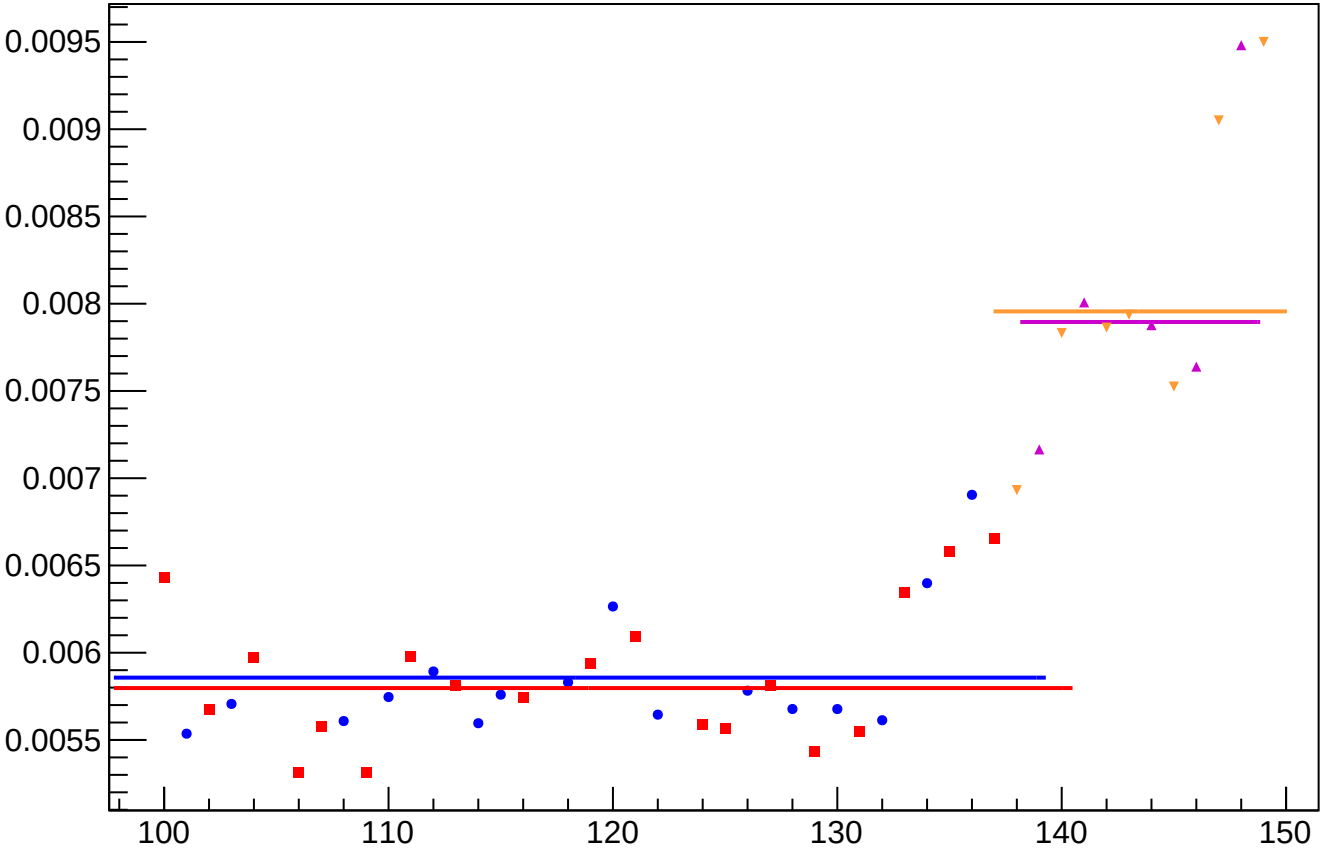
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.107+/-0.000 χ^2/NDF:70966568029.7/20

Out: -2.090+/-0.000 χ^2/NDF:66274655761.0/25

All: -2.098+/-0.000 χ^2/NDF: 137280034175.2

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:107930.3/6

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: 174598.1/11

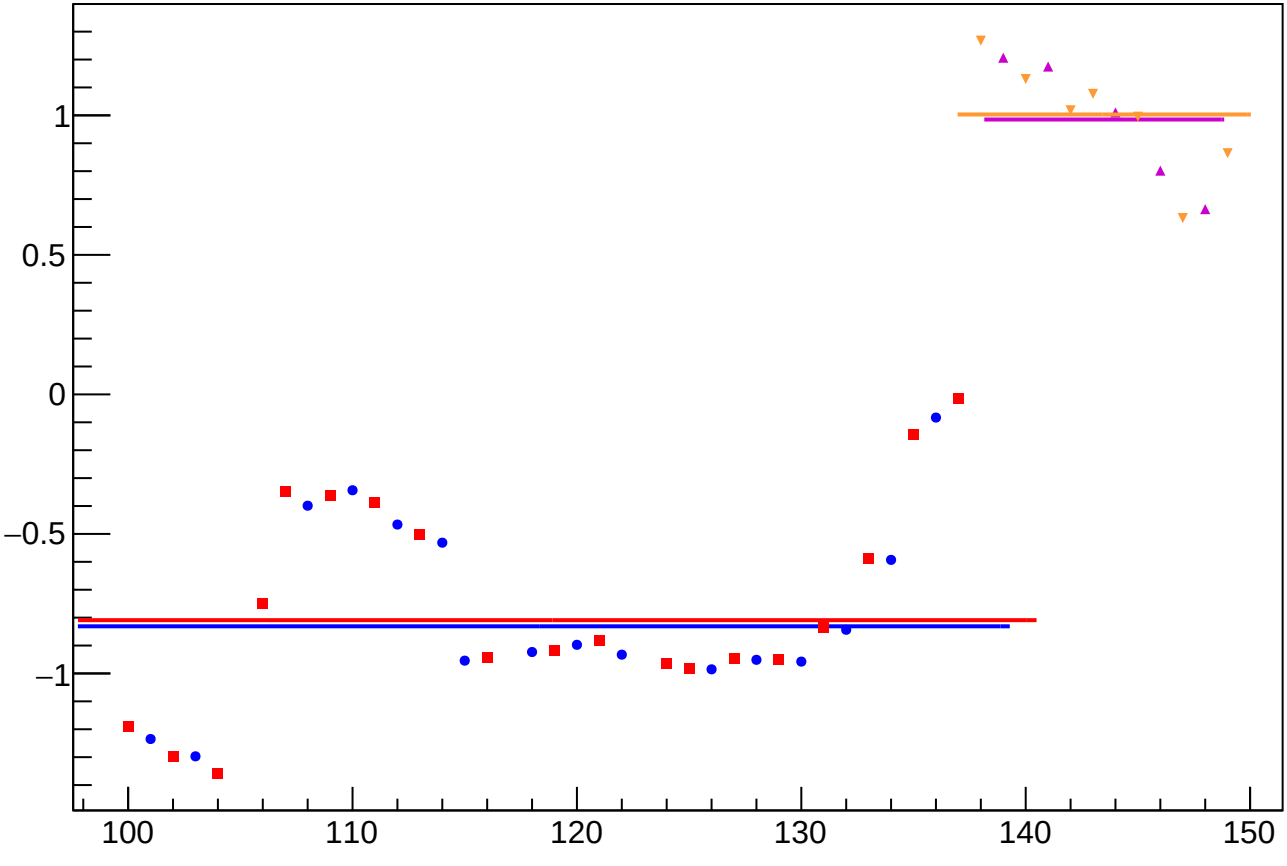
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:560814.8/20

Out: 0.006+/-0.000 χ^2/NDF:729546.3/25

All: 0.006+/-0.000 χ^2/NDF: 1290531.3/46

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.003+/-0.000 χ^2/NDF:1156025890.8/6

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: 0.995+/-0.000 χ^2/NDF: 2211742345.1/11

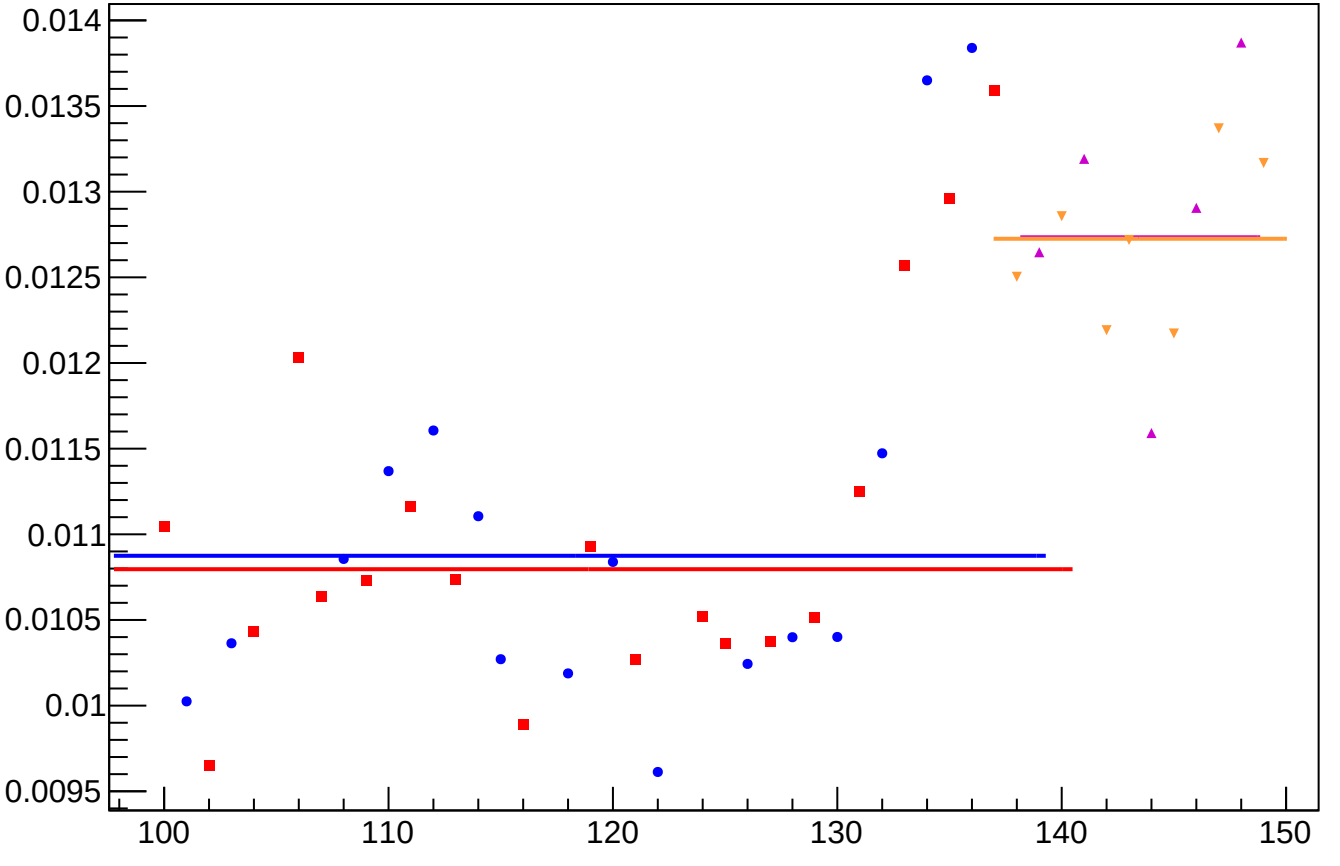
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.275+/-0.000 χ^2/NDF:68203461824.3/20

Out: -0.188+/-0.000 χ^2/NDF:79059975272.4/25

All: -0.230+/-0.000 χ^2/NDF: 147604504372.8

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:11098.2/6

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:30651.6/4

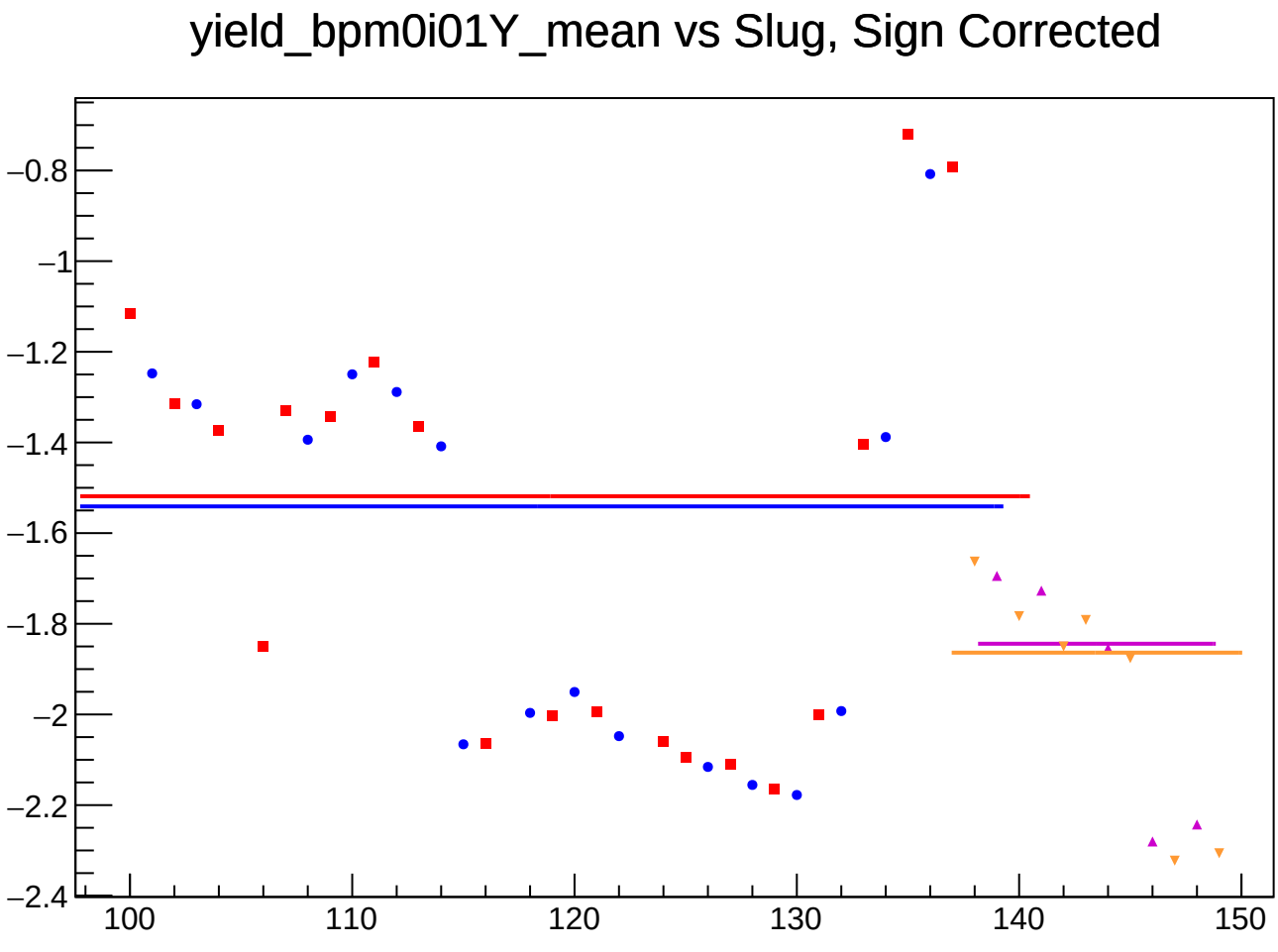
Left: 0.013+/-0.000 χ^2/NDF: 41751.9/11

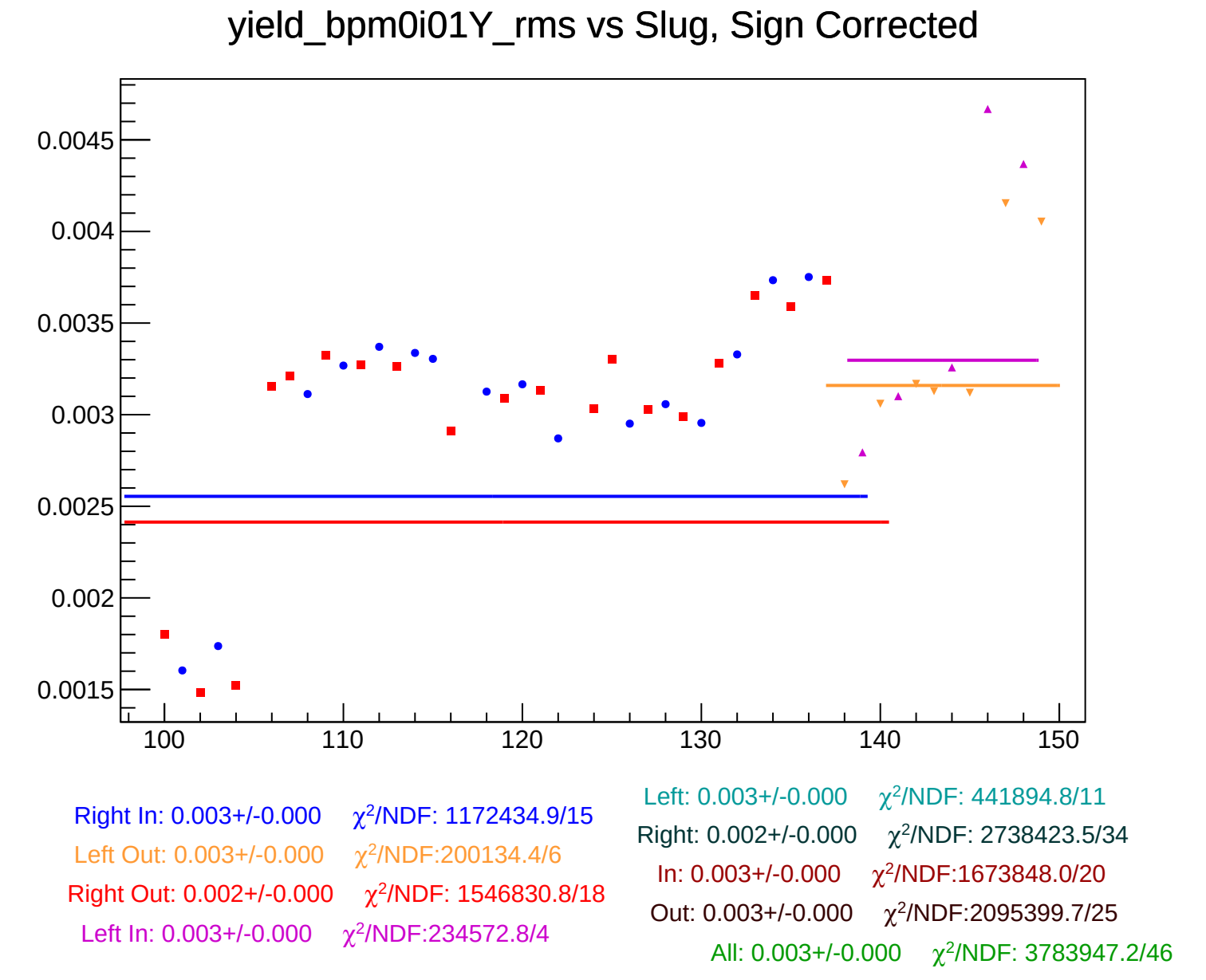
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

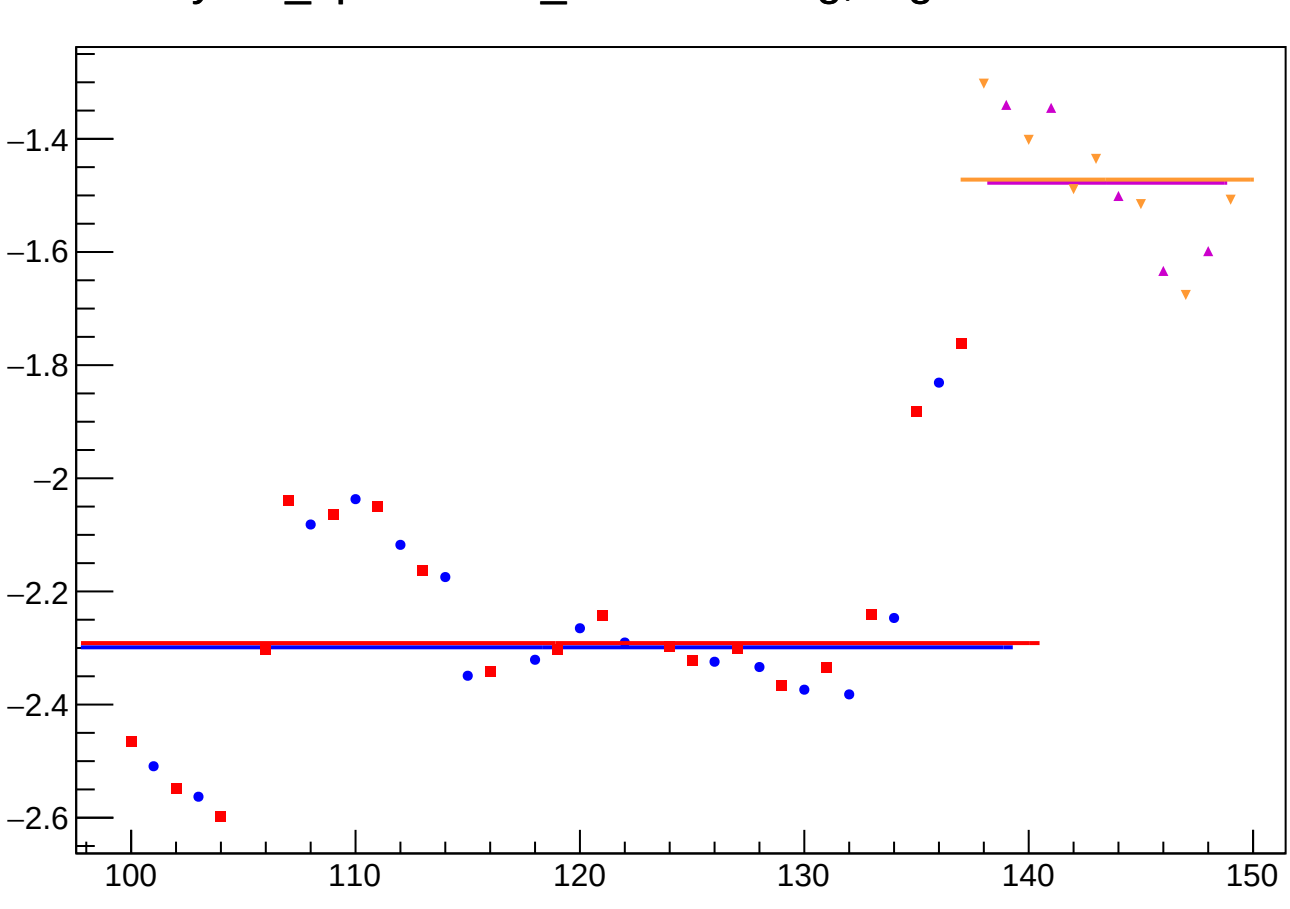
In: 0.011+/-0.000 χ^2/NDF:314085.7/20

Out: 0.011+/-0.000 χ^2/NDF:268283.8/25

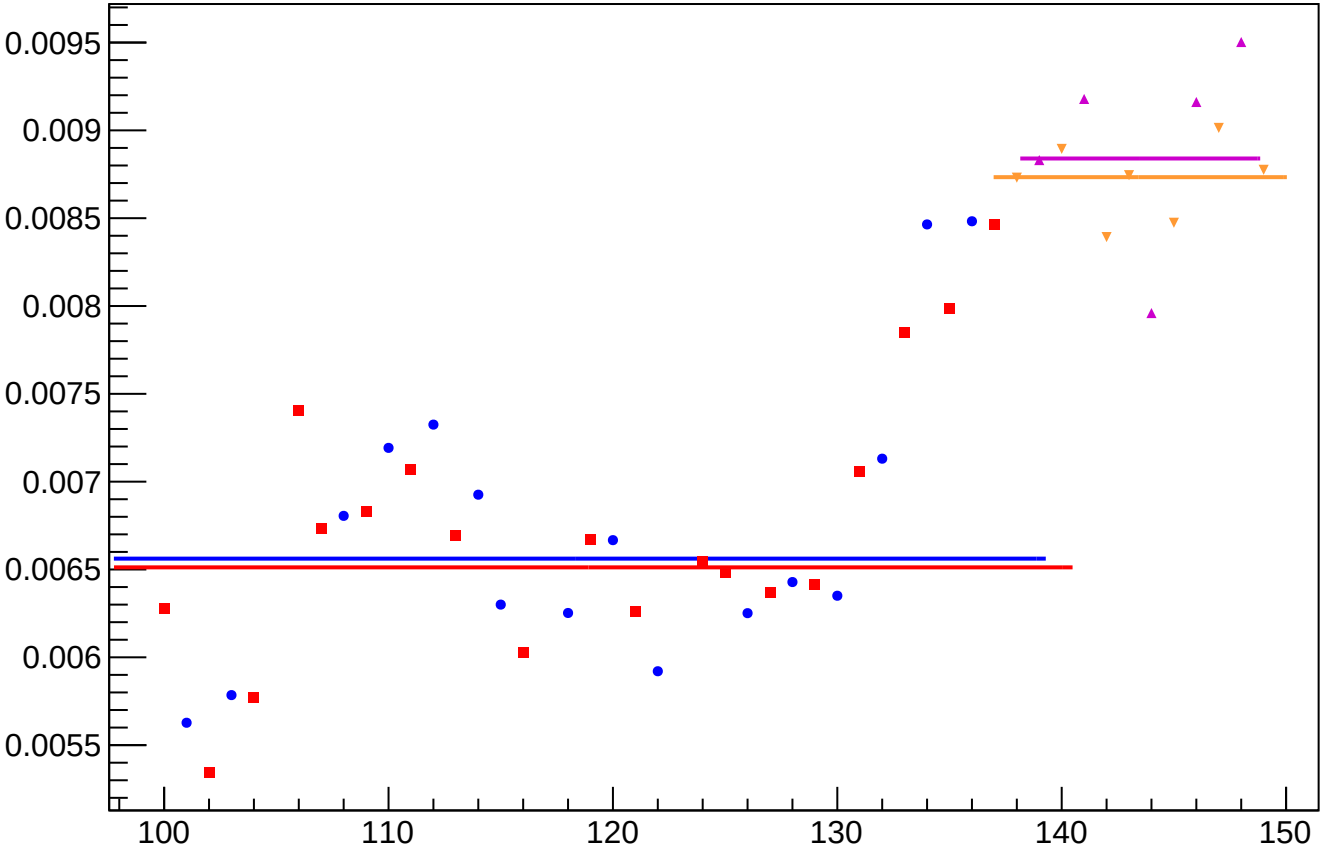
All: 0.011+/-0.000 χ^2/NDF: 582386.3/46


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: -1.864+/-0.000 χ²/NDF:20793517419.4/6
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -1.844+/-0.000 χ²/NDF:13845108038.8/4
Left: -1.855+/-0.000 χ²/NDF: 34711870229.5/11
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -1.620+/-0.000 χ²/NDF:198443896743.0/20
Out: -1.625+/-0.000 χ²/NDF:203174890362.1/25
All: -1.623+/-0.000 χ²/NDF: 401635237634.3


yield_bpm0i01Y_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:200134.4/6
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:234572.8/4
Left: 0.003+/-0.000 χ²/NDF: 441894.8/11
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.003+/-0.000 χ²/NDF:1673848.0/20
Out: 0.003+/-0.000 χ²/NDF:2095399.7/25
All: 0.003+/-0.000 χ²/NDF: 3783947.2/46


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.472+/-0.000 χ²/NDF:775087308.4/6
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.478+/-0.000 χ²/NDF:750853159.4/4
Left: -1.474+/-0.000 χ²/NDF: 1526845069.3/11
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.095+/-0.000 χ²/NDF:33815152860.5/20
Out: -2.056+/-0.000 χ²/NDF:39845977923.9/25
All: -2.075+/-0.000 χ²/NDF: 73826588973.3/

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:4890.8/6

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: 38963.2/11

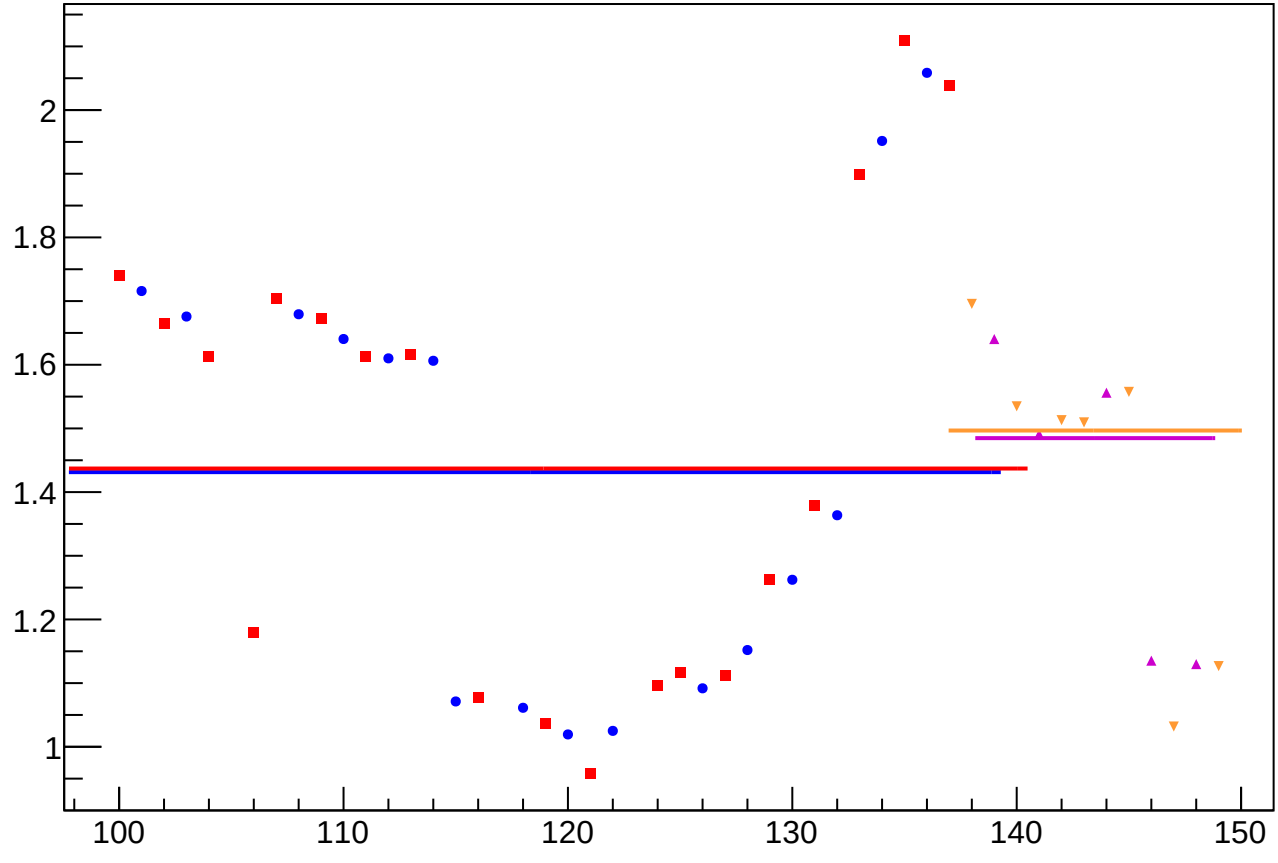
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:669795.4/20

Out: 0.007+/-0.000 χ^2/NDF:663921.9/25

All: 0.007+/-0.000 χ^2/NDF: 1333821.3/46

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.497+/-0.000 χ^2/NDF:6464006374.8/6

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: 1.492+/-0.000 χ^2/NDF: 10710044028.3/11

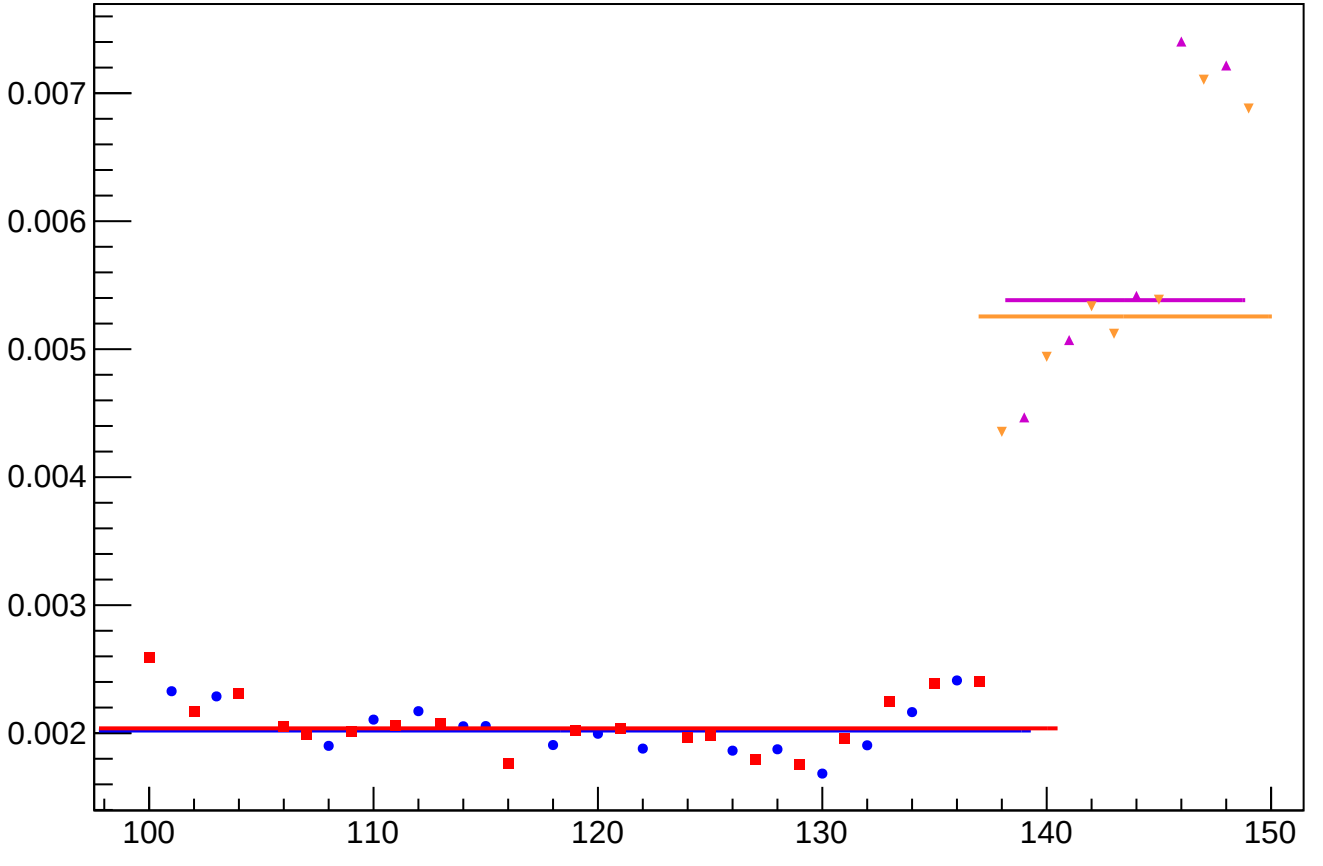
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.435+/-0.000 χ^2/NDF:193757306454.6/20

Out: 1.443+/-0.000 χ^2/NDF:189030888557.6/25

All: 1.439+/-0.000 χ^2/NDF: 382836485718.6

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:238084.5/6

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: 500138.7/11

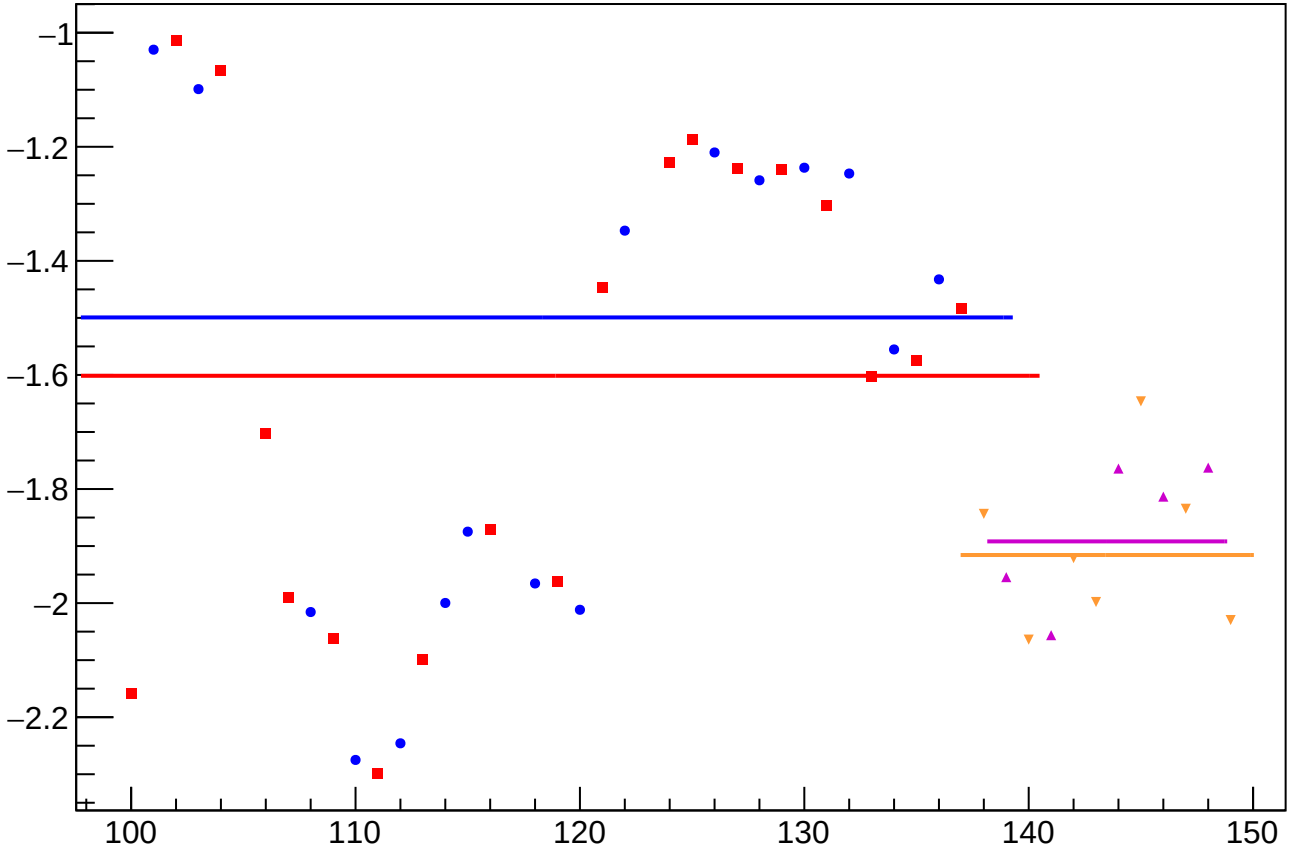
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:3117981.2/20

Out: 0.002+/-0.000 χ^2/NDF:3535543.3/25

All: 0.002+/-0.000 χ^2/NDF: 6662946.3/46

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.916+/-0.000 χ^2/NDF:2814750777.1/6

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: -1.905+/-0.000 χ^2/NDF: 4472957959.5/11

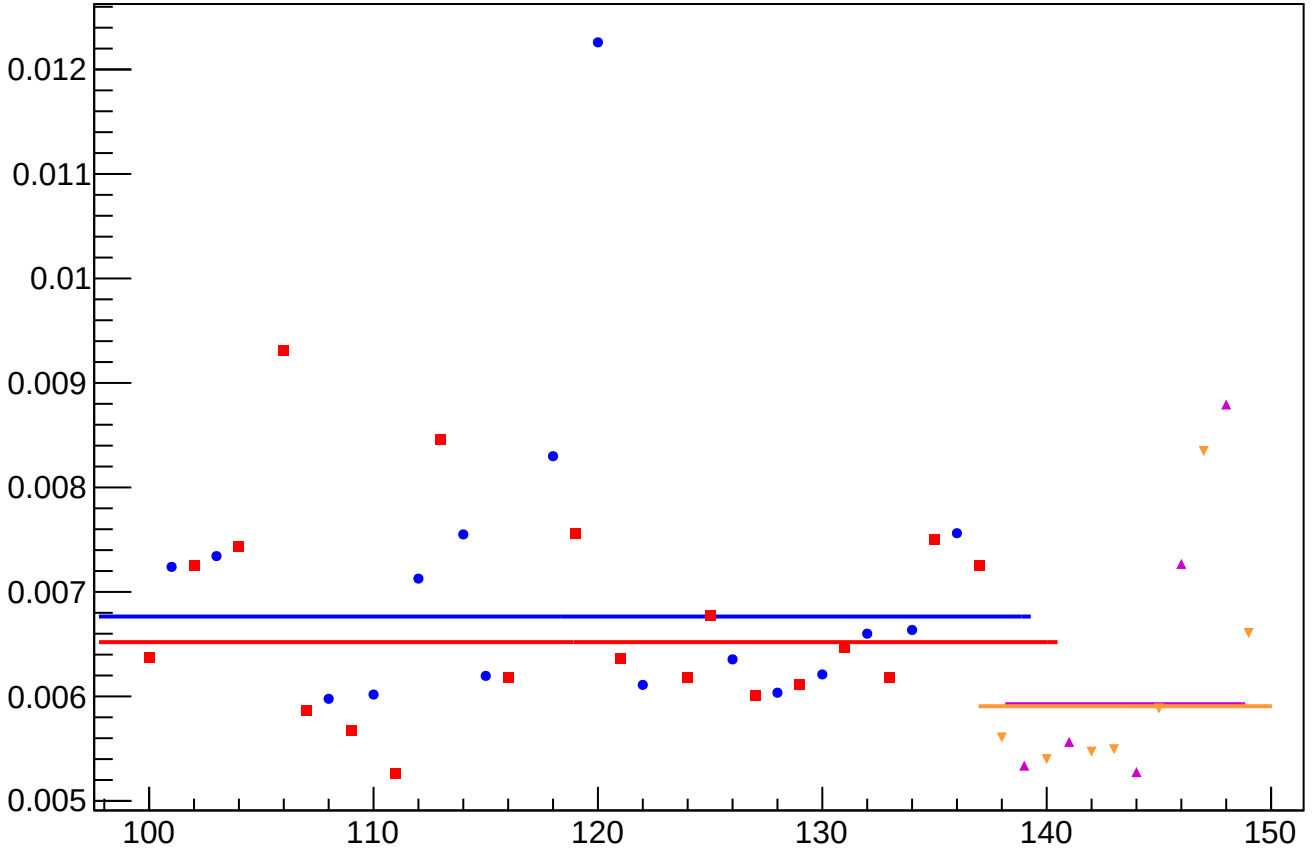
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.672+/-0.000 χ^2/NDF:34201287885.5/20

Out: -1.749+/-0.000 χ^2/NDF:38654504060.0/25

All: -1.714+/-0.000 χ^2/NDF: 73664165921.1/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:178954.7/6

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:263891.4/4

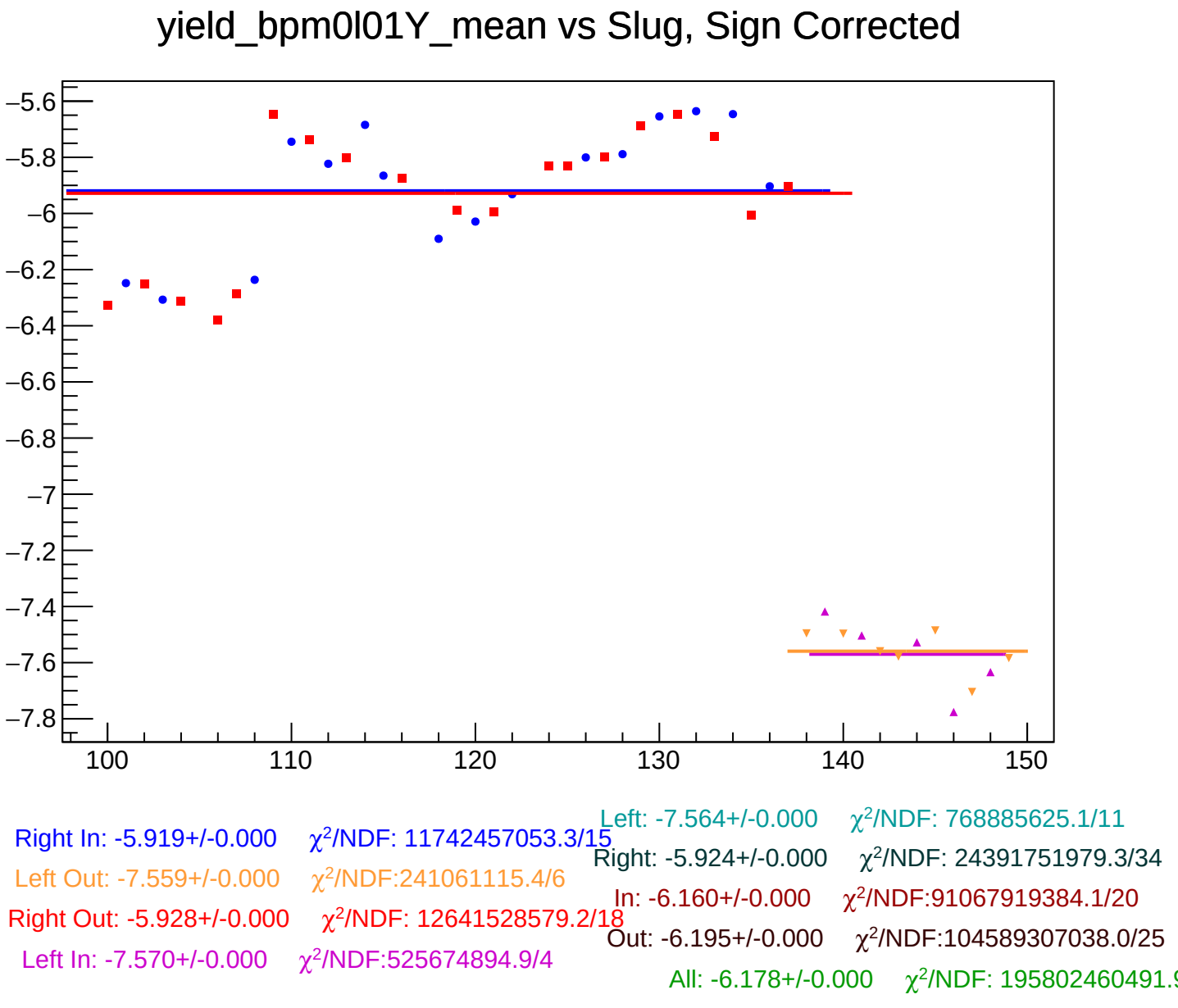
Left: 0.006+/-0.000 χ^2/NDF: 442892.9/11

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

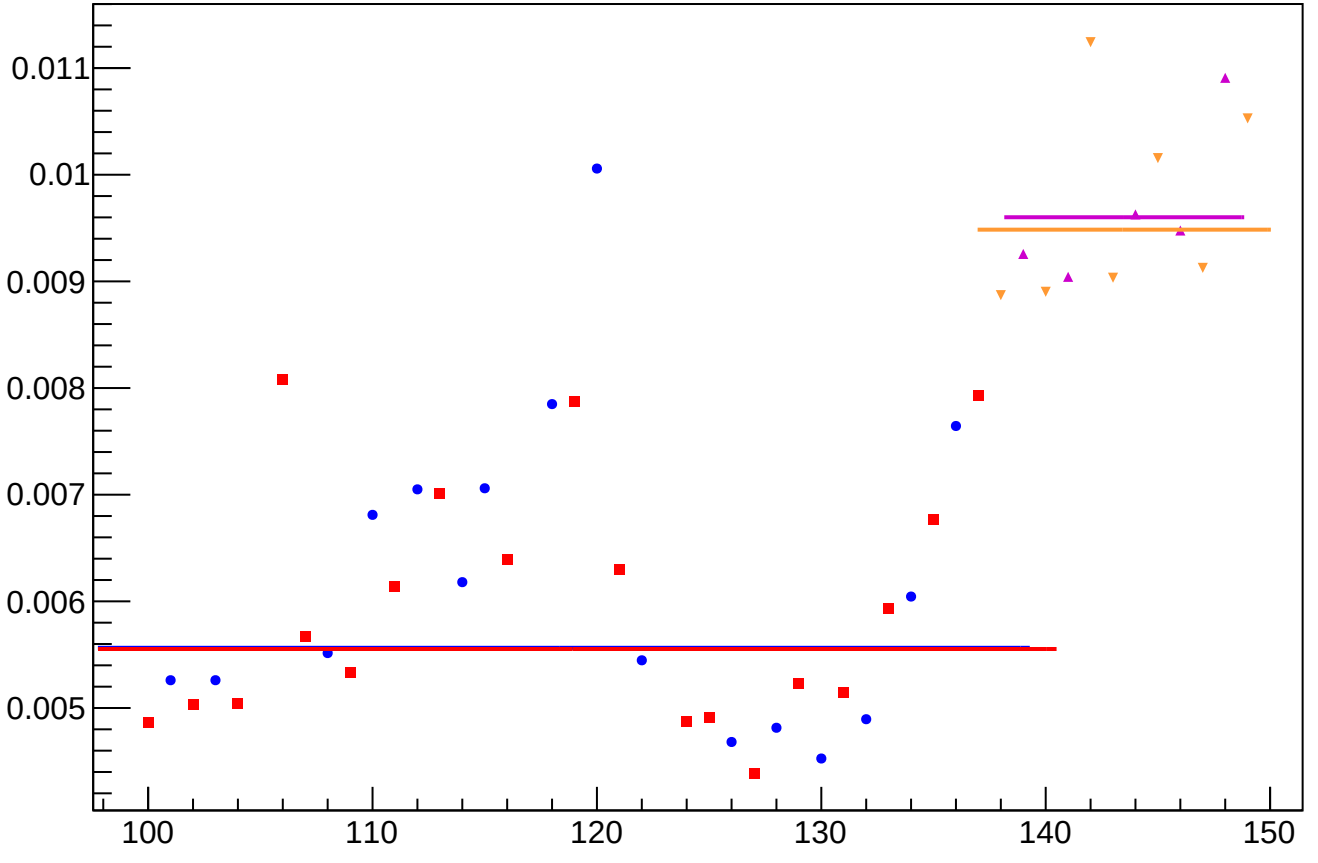
In: 0.006+/-0.000 χ^2/NDF:590589.0/20

Out: 0.006+/-0.000 χ^2/NDF:481624.1/25

All: 0.006+/-0.000 χ^2/NDF: 1079528.9/46


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.6
−5.8
−6
−6.2
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
100
110
120
130
140
150
Right In: -5.919+/-0.000 χ²/NDF: 11742457053.3/15
Left Out: -7.559+/-0.000 χ²/NDF:241061115.4/6
Right Out: -5.928+/-0.000 χ²/NDF: 12641528579.2/18
Left In: -7.570+/-0.000 χ²/NDF:525674894.9/4
Left: -7.564+/-0.000 χ²/NDF: 768885625.1/11
Right: -5.924+/-0.000 χ²/NDF: 24391751979.3/34
In: -6.160+/-0.000 χ²/NDF:91067919384.1/20
Out: -6.195+/-0.000 χ²/NDF:104589307038.0/25
All: -6.178+/-0.000 χ²/NDF: 195802460491.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:46740.8/6

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: 0.010+/-0.000 χ^2/NDF: 72334.7/11

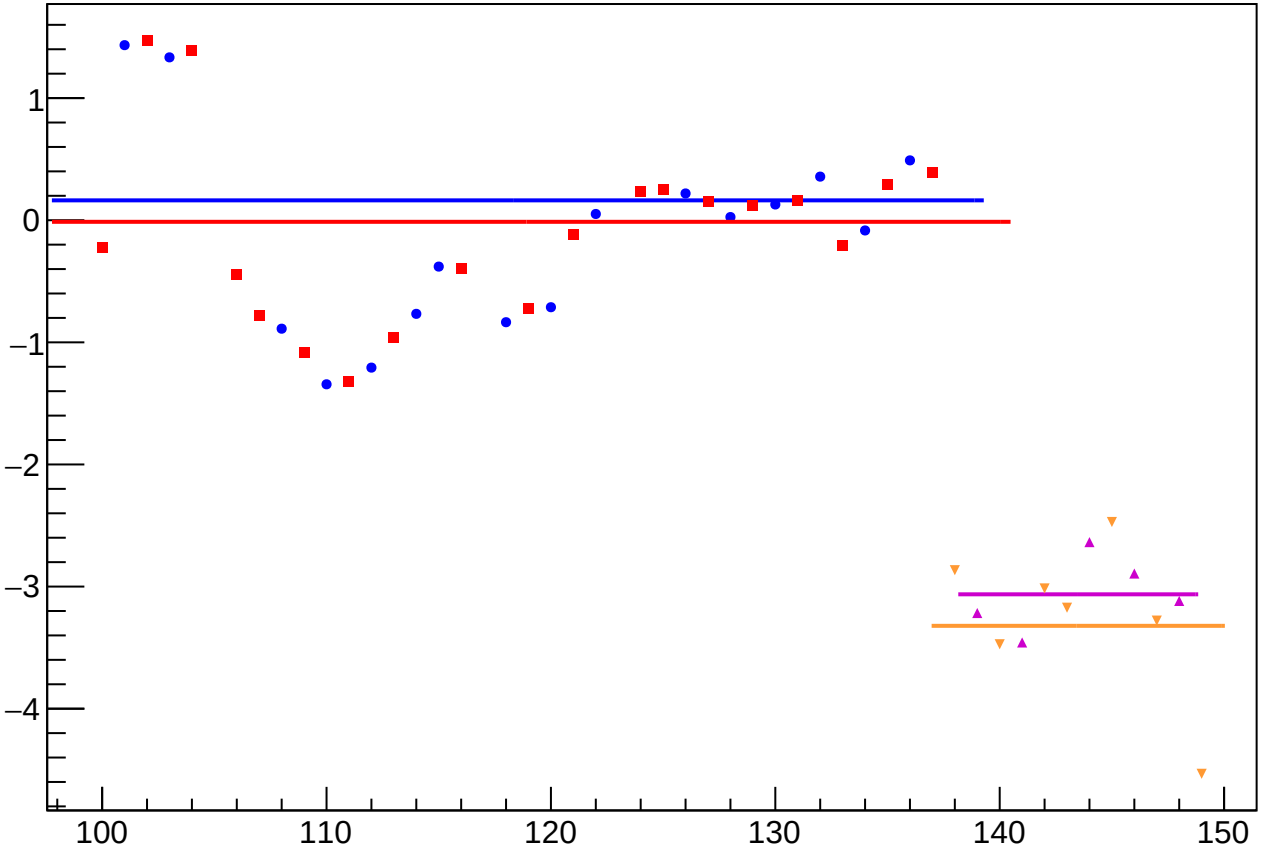
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1463315.7/20

Out: 0.006+/-0.000 χ^2/NDF:1476915.0/25

All: 0.006+/-0.000 χ^2/NDF: 2940675.9/46

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.321+/-0.000 χ^2/NDF:6167621816.2/6

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: -3.213+/-0.000 χ^2/NDF: 7598412963.4/11

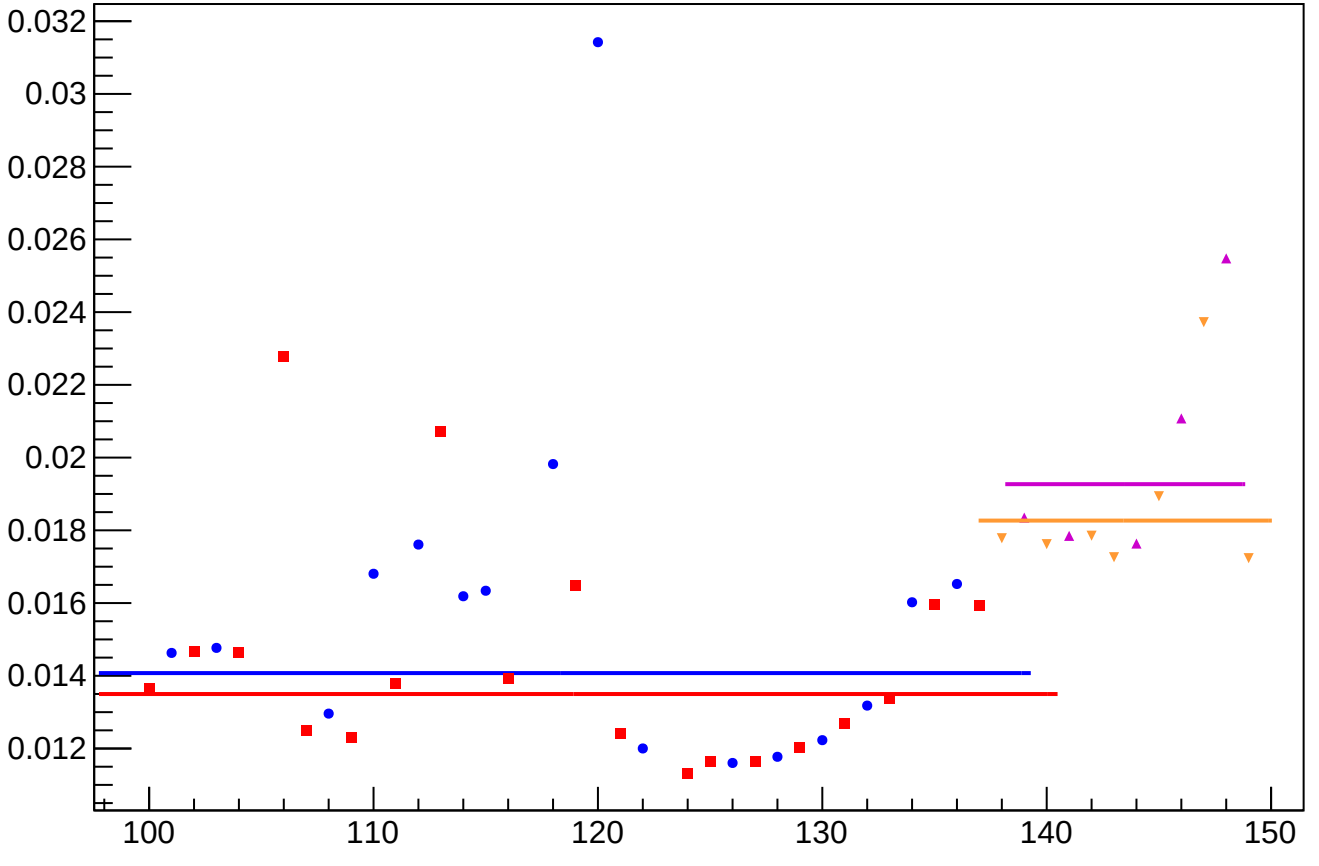
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.648+/-0.000 χ^2/NDF:102234542143.1/20

Out: -0.954+/-0.000 χ^2/NDF:144355059847.4/25

All: -0.816+/-0.000 χ^2/NDF: 248770335629.1

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:95670.7/6

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: 238179.9/11

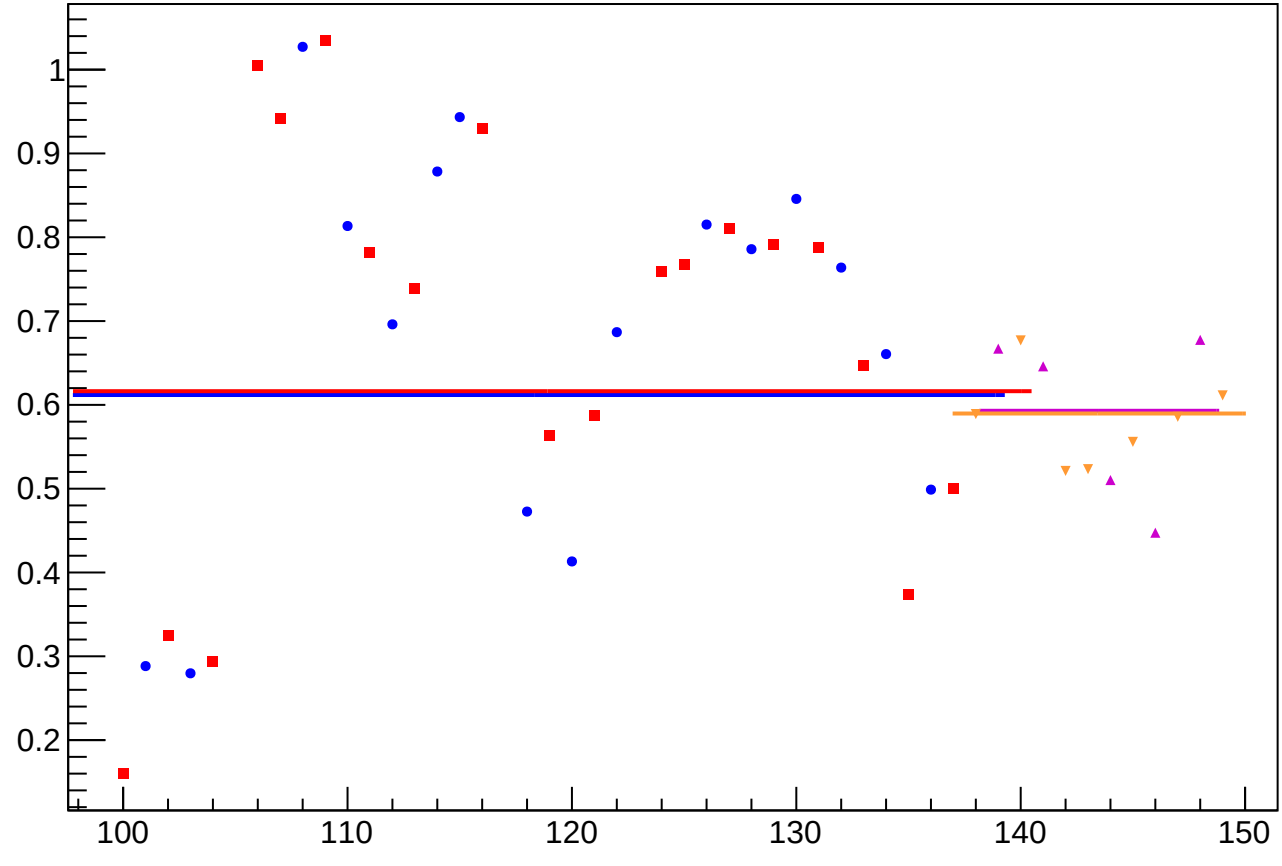
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:1027399.7/20

Out: 0.015+/-0.000 χ^2/NDF:891377.2/25

All: 0.015+/-0.000 χ^2/NDF: 1931697.6/46

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.590+/-0.000 χ^2/NDF:167724616.7/6

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: 0.591+/-0.000 χ^2/NDF: 574658647.3/11

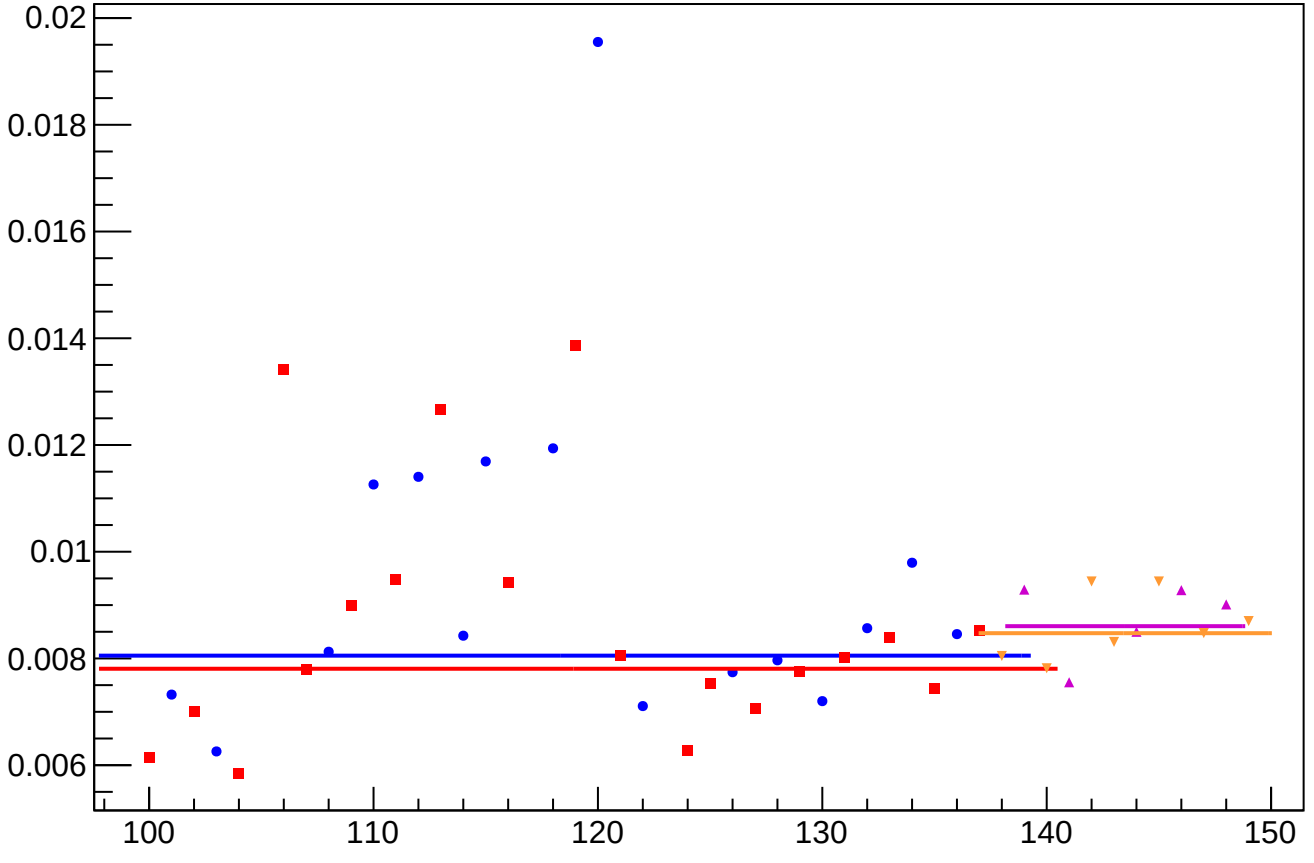
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.605+/-0.000 χ^2/NDF:6057361204.8/20

Out: 0.606+/-0.000 χ^2/NDF:6615224076.0/25

All: 0.606+/-0.000 χ^2/NDF: 12672689839.9/4

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:37460.1/6

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: 87647.3/11

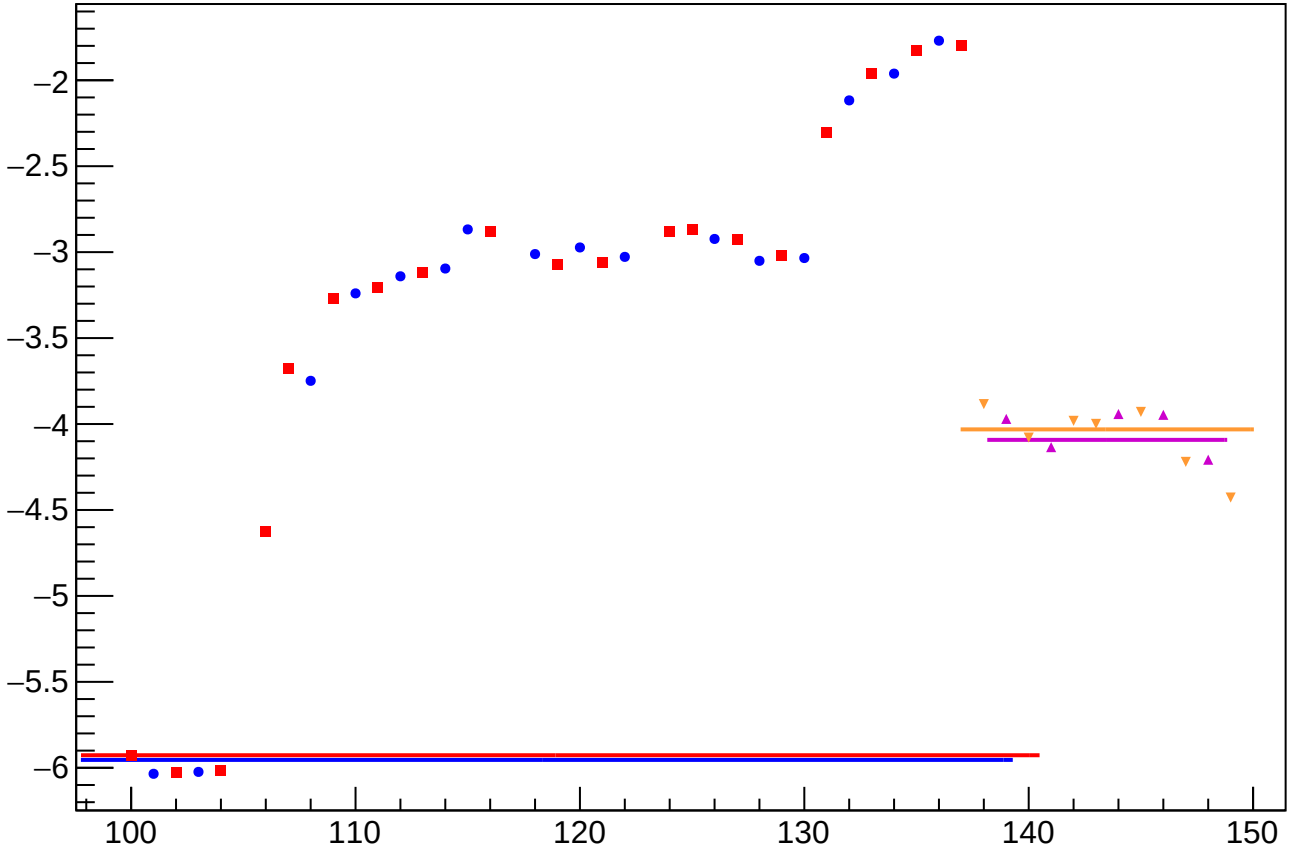
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:667660.1/20

Out: 0.008+/-0.000 χ^2/NDF:659647.0/25

All: 0.008+/-0.000 χ^2/NDF: 1332857.0/46

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.031+/-0.000 χ^2/NDF:15602107.3/6

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: -4.069+/-0.000 χ^2/NDF: 23714520.8/11

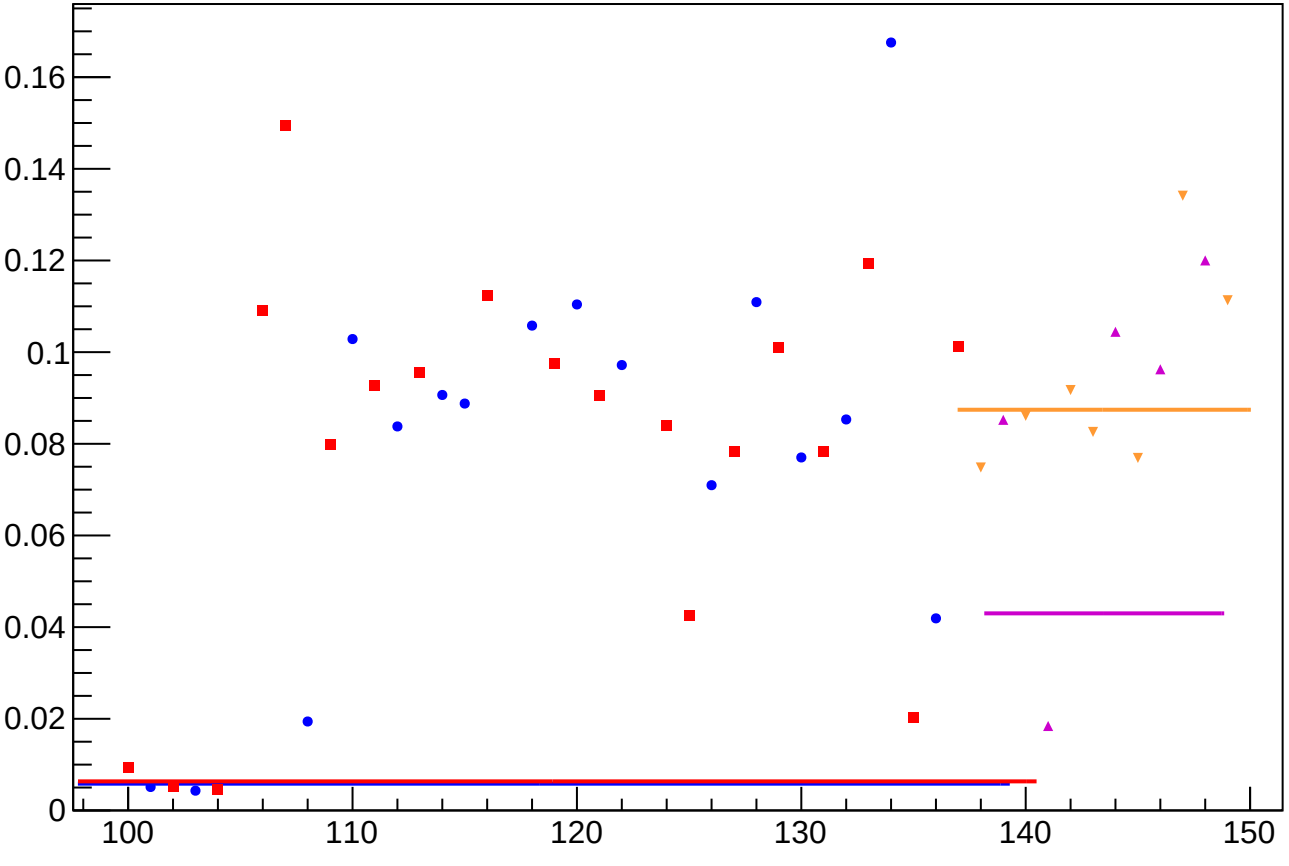
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.919+/-0.000 χ^2/NDF:16439236555.6/20

Out: -5.900+/-0.000 χ^2/NDF:16099606881.7/25

All: -5.911+/-0.000 χ^2/NDF: 32547727293.2/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.087+/-0.000 χ^2/NDF:315734.3/6

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: 0.060+/-0.000 χ^2/NDF: 4582534.5/11

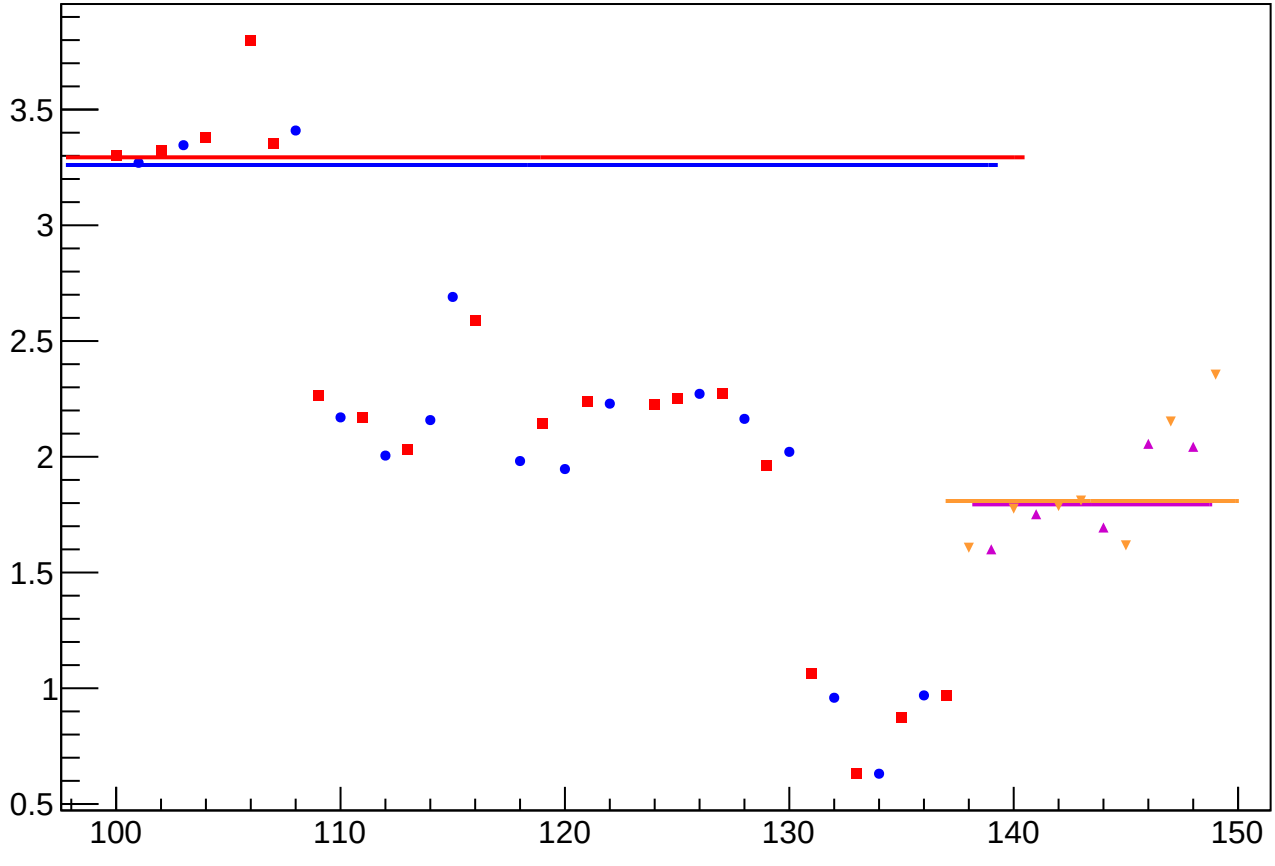
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:14138050.9/20

Out: 0.007+/-0.000 χ^2/NDF:16975592.4/25

All: 0.007+/-0.000 χ^2/NDF: 31157183.2/46

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.809+/-0.000 χ^2/NDF:29477763.5/6

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: 1.802+/-0.000 χ^2/NDF: 41554842.6/11

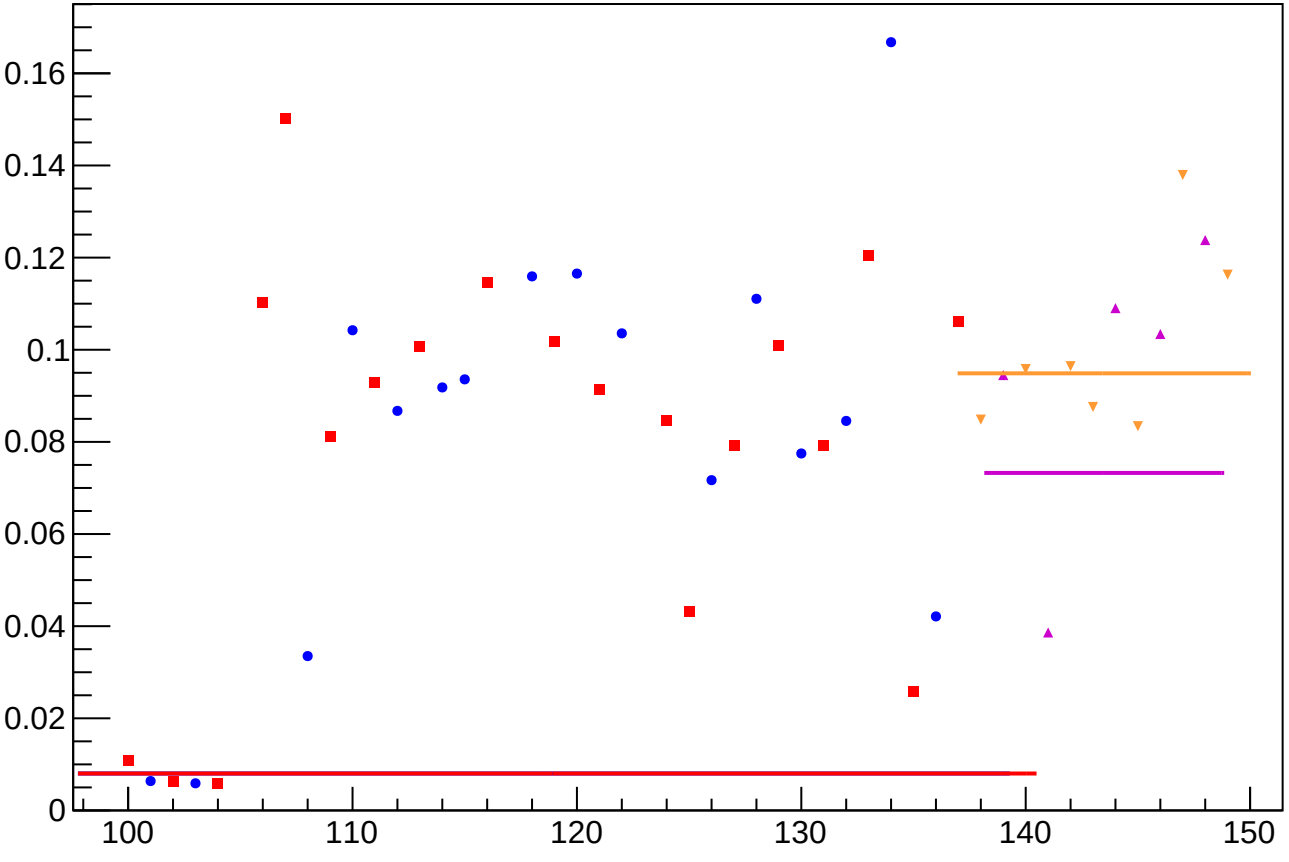
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.237+/-0.000 χ^2/NDF:4112570223.1/20

Out: 3.267+/-0.000 χ^2/NDF:4411863203.9/25

All: 3.252+/-0.000 χ^2/NDF: 8539093187.5/46

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.095+/-0.000 χ^2/NDF:248907.9/6

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: 0.084+/-0.000 χ^2/NDF: 1714864.0/11

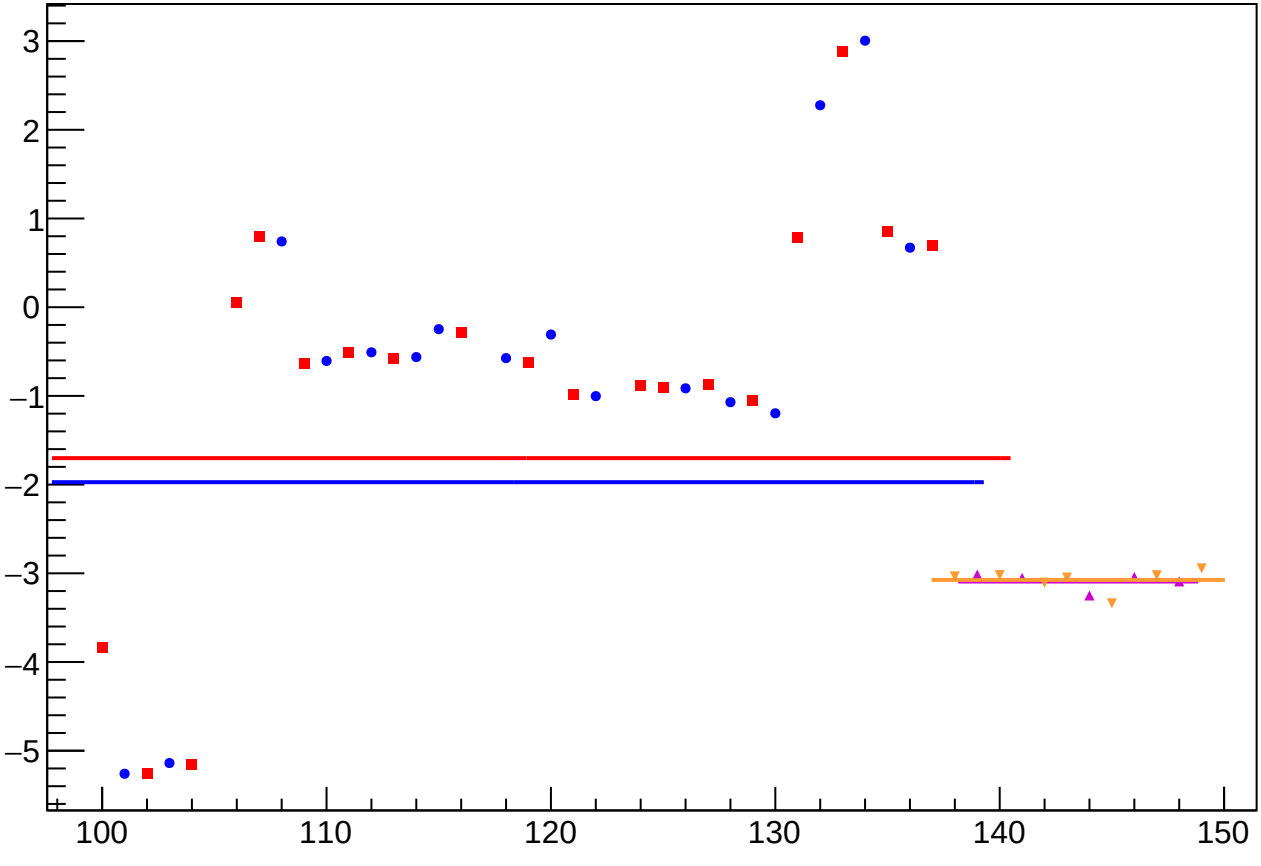
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.009+/-0.000 χ^2/NDF:13958466.9/20

Out: 0.010+/-0.000 χ^2/NDF:16585822.9/25

All: 0.009+/-0.000 χ^2/NDF: 30550854.0/46

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.075+/-0.000 χ^2/NDF:1168126449.5/6

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: -3.083+/-0.000 χ^2/NDF: 1683651528.0/11

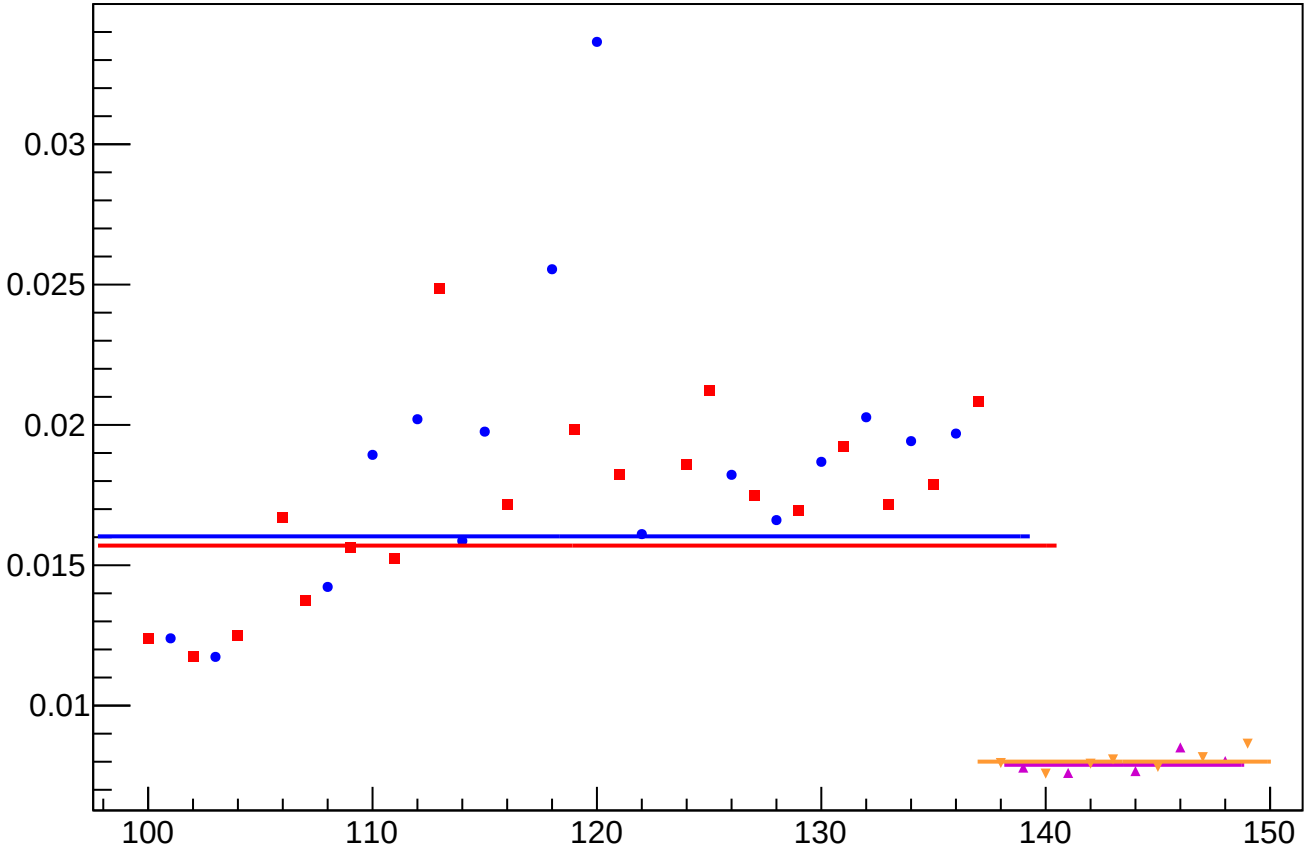
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.810+/-0.000 χ^2/NDF:183728439372.9/20

Out: -2.739+/-0.000 χ^2/NDF:206123172519.3/25

All: -2.772+/-0.000 χ^2/NDF: 390098221904.0

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:15747.5/6

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: 30488.6/11

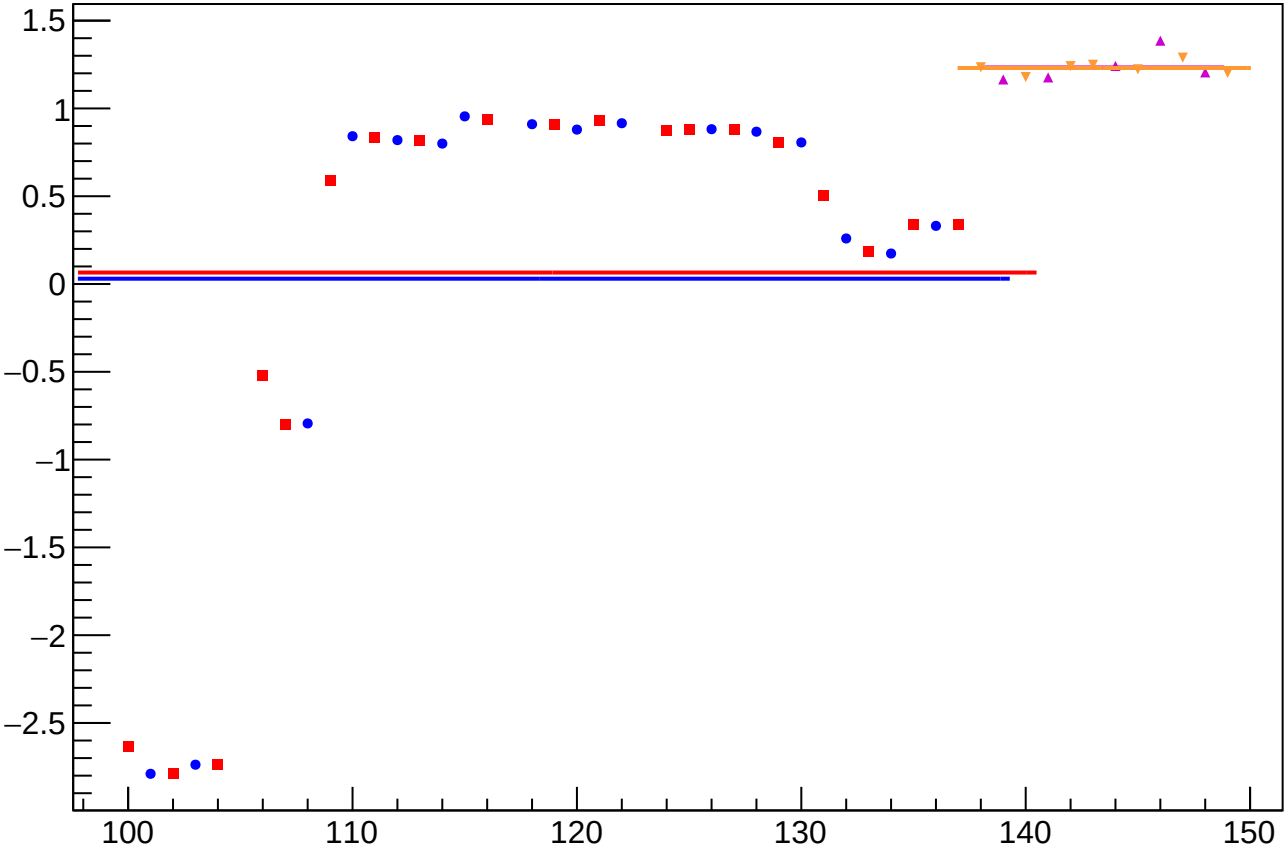
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:2995191.7/20

Out: 0.010+/-0.000 χ^2/NDF:2833477.6/25

All: 0.010+/-0.000 χ^2/NDF: 5828976.3/46

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.230+/-0.000 χ^2/NDF:82951647.9/6

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: 1.232+/-0.000 χ^2/NDF: 426051361.5/11

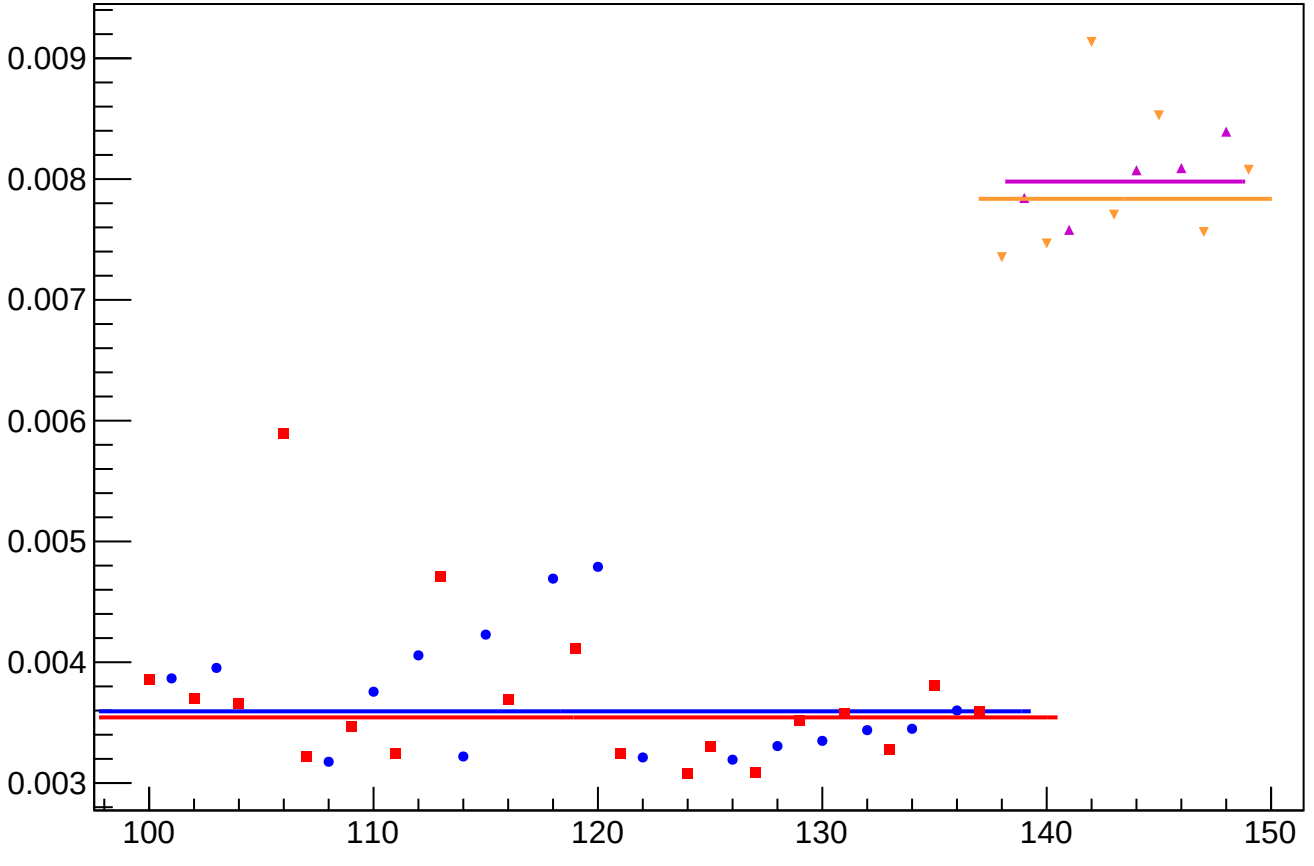
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.145+/-0.000 χ^2/NDF:923751155638.8/20

Out: 0.191+/-0.000 χ^2/NDF:1017427231796.5/25

All: 0.169+/-0.000 χ^2/NDF: 1941819304808.

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:34536.9/6

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: 43947.4/11

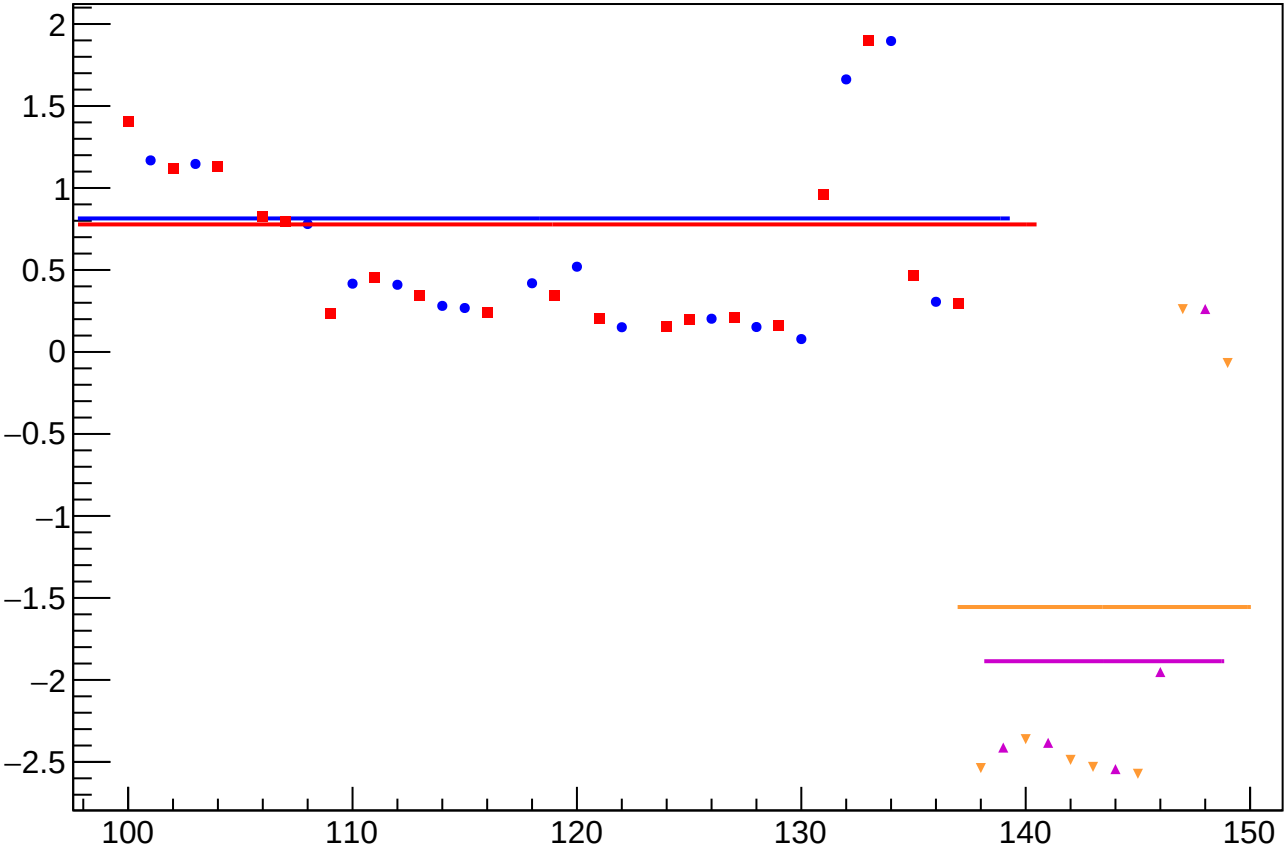
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2094990.9/20

Out: 0.004+/-0.000 χ^2/NDF:2482467.1/25

All: 0.004+/-0.000 χ^2/NDF: 4577471.8/46

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.555+/-0.000 χ^2/NDF:141057029503.6/6

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: -1.699+/-0.000 χ^2/NDF: 209757045972.3/11

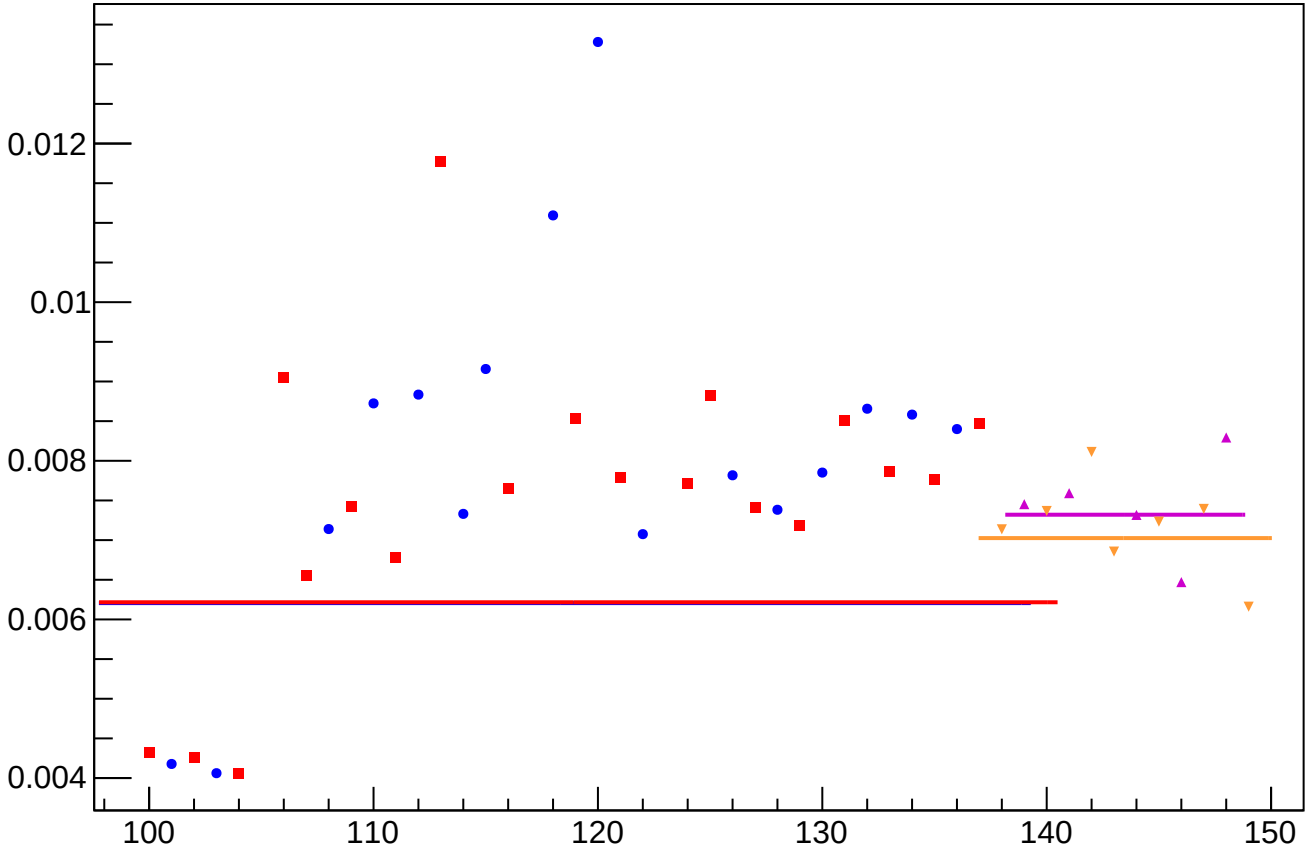
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.069+/-0.000 χ^2/NDF:443807872855.3/20

Out: -0.085+/-0.000 χ^2/NDF:488622393191.3/25

All: -0.077+/-0.000 χ^2/NDF: 932461334387.5

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:51714.2/6

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: 109322.6/11

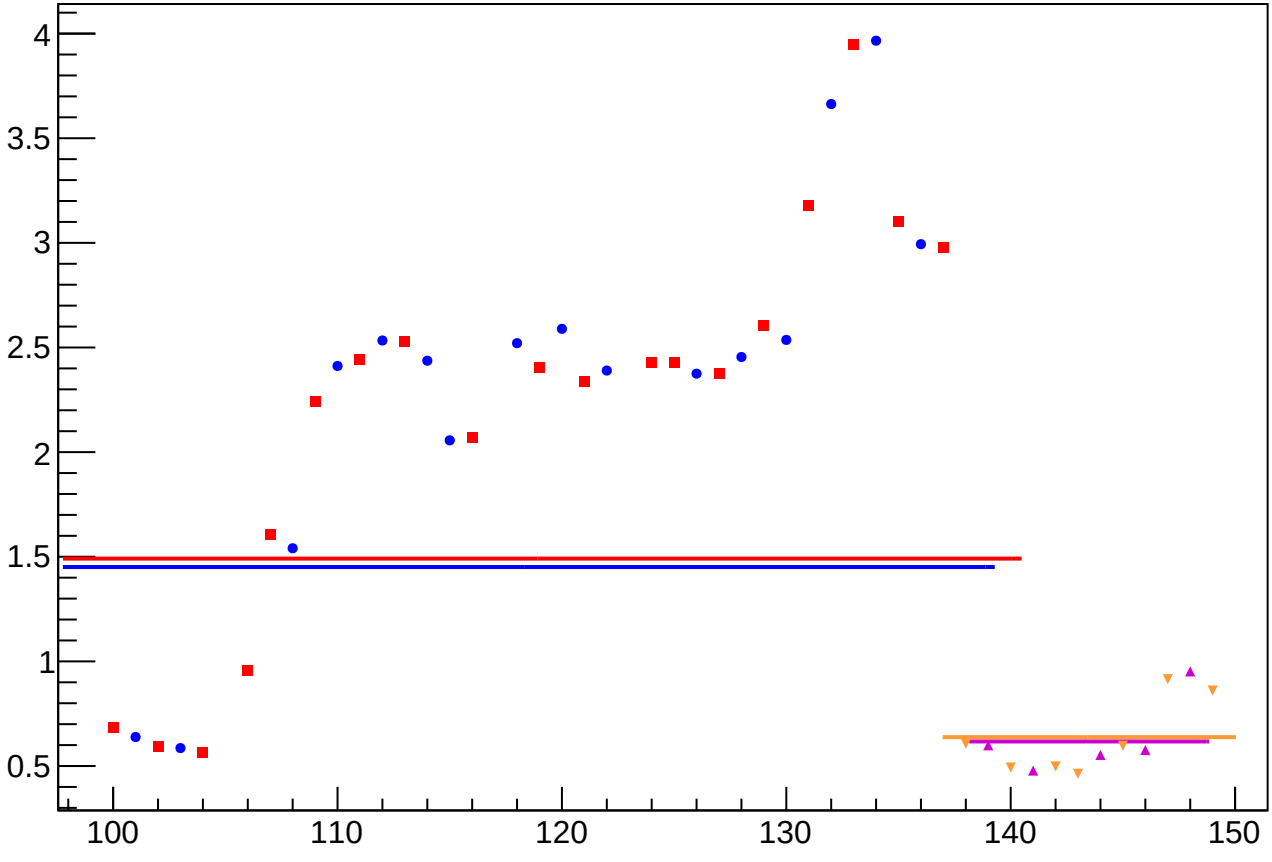
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.007+/-0.000 χ^2/NDF:1591758.3/20

Out: 0.007+/-0.000 χ^2/NDF:1288110.7/25

All: 0.007+/-0.000 χ^2/NDF: 2880556.5/46

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.638+/-0.000 χ^2/NDF:2270381588.4/6

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: 0.628+/-0.000 χ^2/NDF: 3877310355.7/11

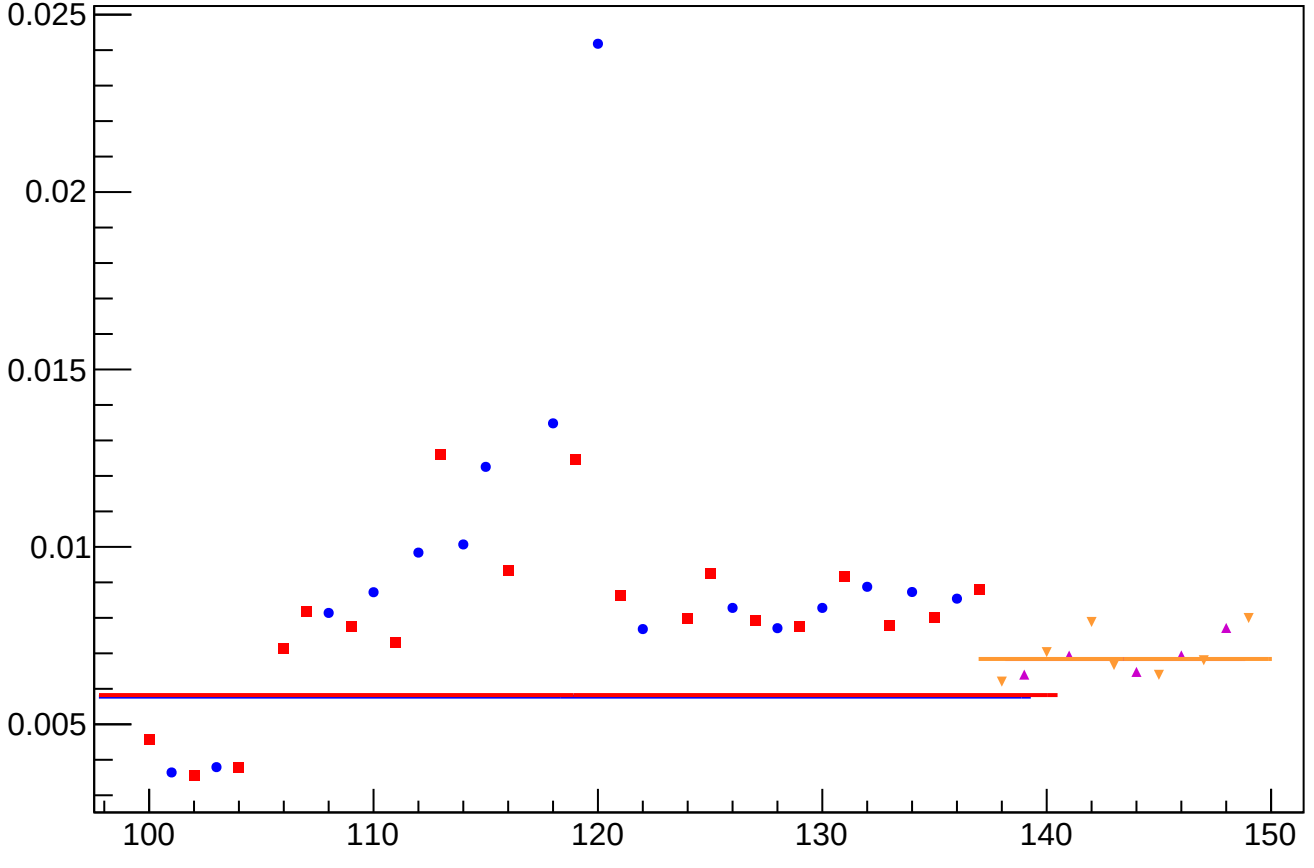
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.188+/-0.000 χ^2/NDF:204100531919.6/20

Out: 1.203+/-0.000 χ^2/NDF:228966634388.7/25

All: 1.196+/-0.000 χ^2/NDF: 433092708779.3

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:56724.1/6

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: 84227.2/11

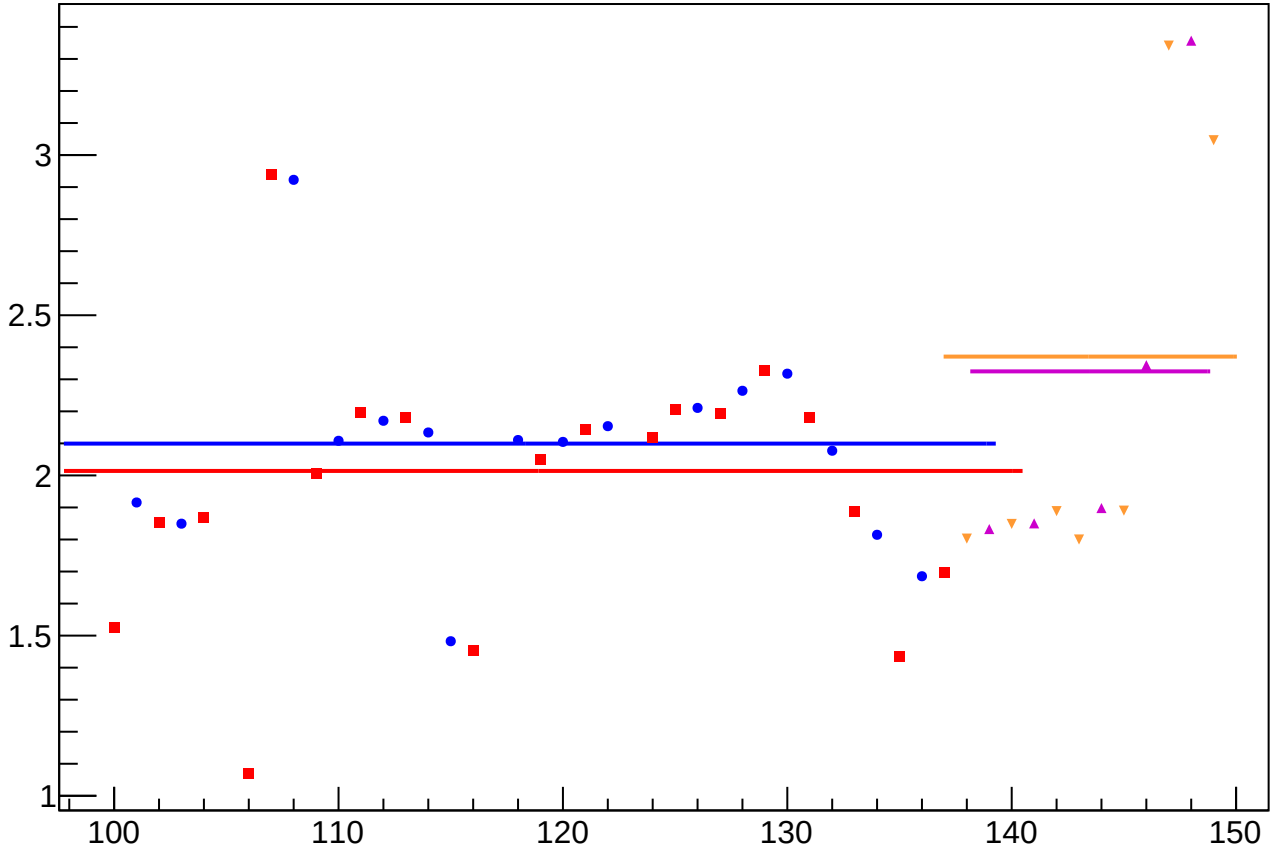
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2347578.2/20

Out: 0.006+/-0.000 χ^2/NDF:2125563.8/25

All: 0.006+/-0.000 χ^2/NDF: 4473791.3/46

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.371+/-0.000 χ^2/NDF:30513435905.7/6

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: 2.350+/-0.000 χ^2/NDF: 51078969639.8/11

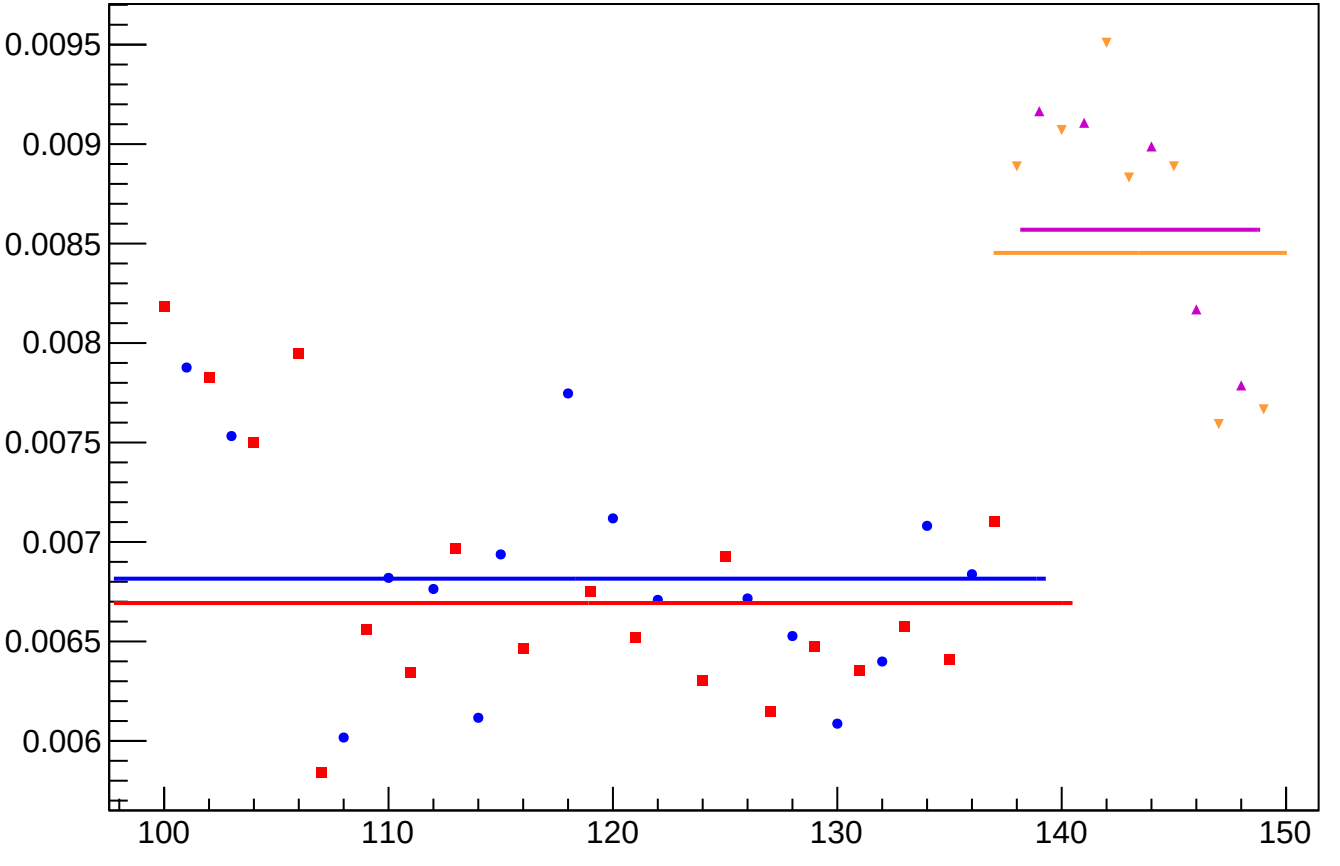
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.161+/-0.000 χ^2/NDF:36482921240.2/20

Out: 2.121+/-0.000 χ^2/NDF:56232020788.6/25

All: 2.140+/-0.000 χ^2/NDF: 92887257189.9/4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:63162.0/6

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: 100357.1/11

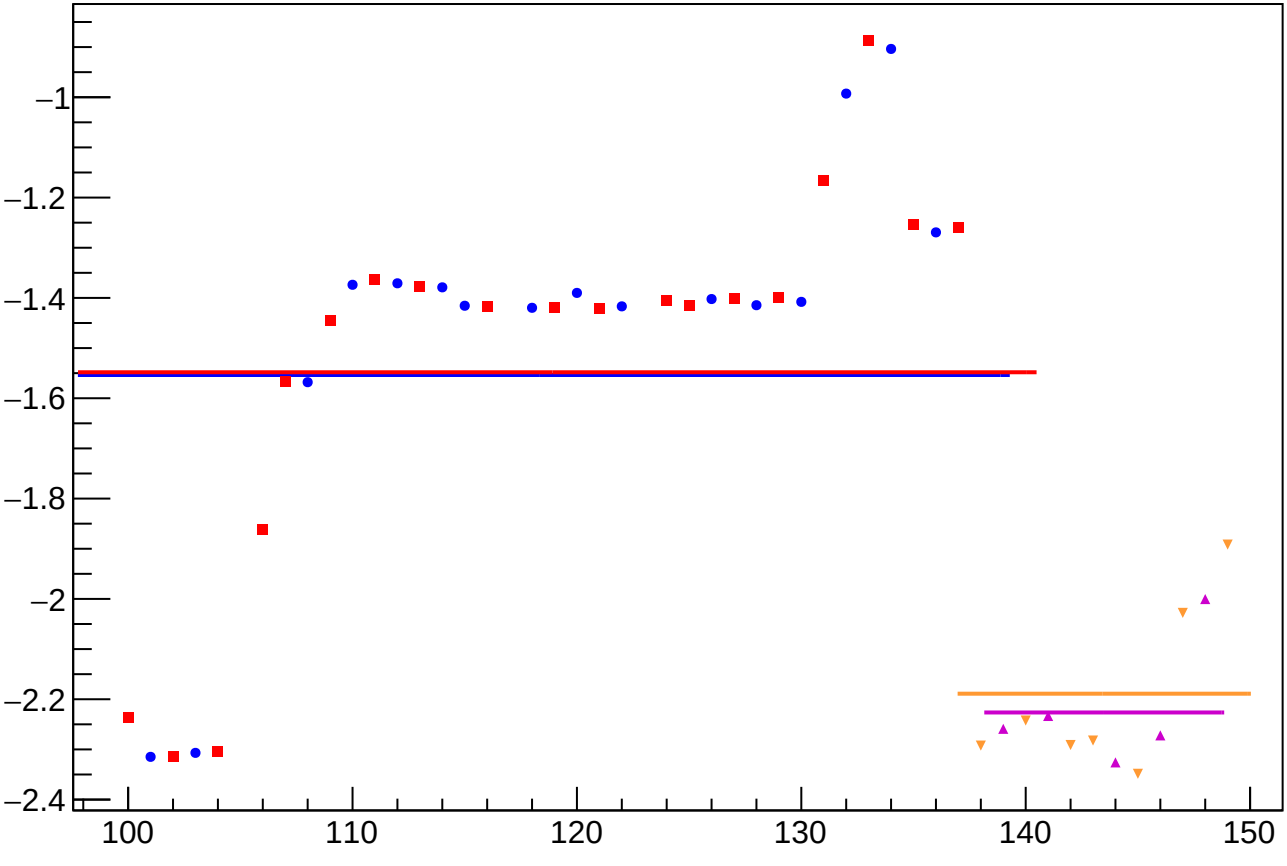
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:371891.9/20

Out: 0.007+/-0.000 χ^2/NDF:447782.7/25

All: 0.007+/-0.000 χ^2/NDF: 820911.3/46

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.189+/-0.000 χ^2/NDF:11432767693.9/6

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: -2.206+/-0.000 χ^2/NDF: 15989025088.9/11

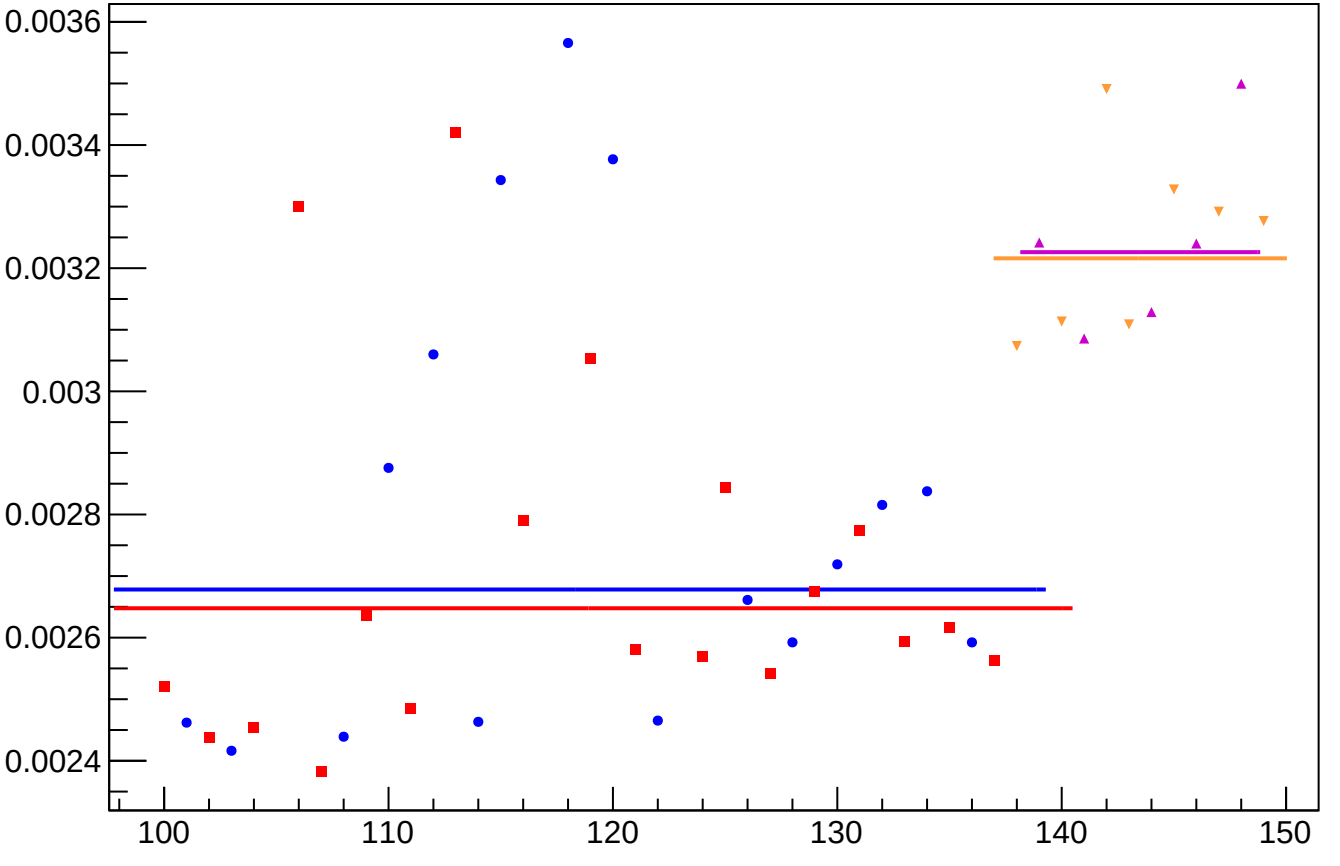
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.744+/-0.000 χ^2/NDF:299524052264.8/20

Out: -1.747+/-0.000 χ^2/NDF:313598851603.3/25

All: -1.746+/-0.000 χ^2/NDF: 613127506354.

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:13853.3/6

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: 28204.4/11

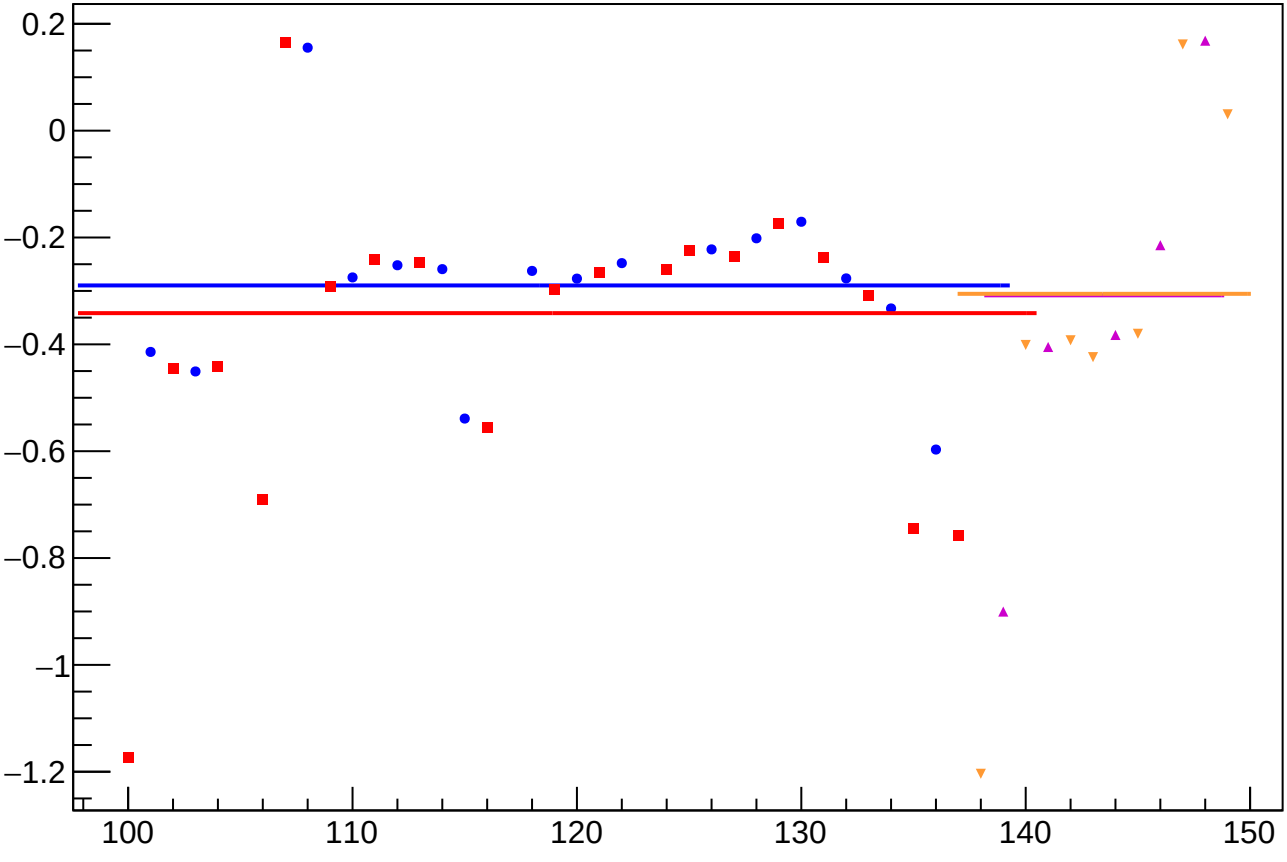
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:331470.6/20

Out: 0.003+/-0.000 χ^2/NDF:330487.4/25

All: 0.003+/-0.000 χ^2/NDF: 662083.0/46

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.305+/-0.000 χ^2/NDF:4303999503.5/6

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: -0.307+/-0.000 χ^2/NDF: 6735192315.9/11

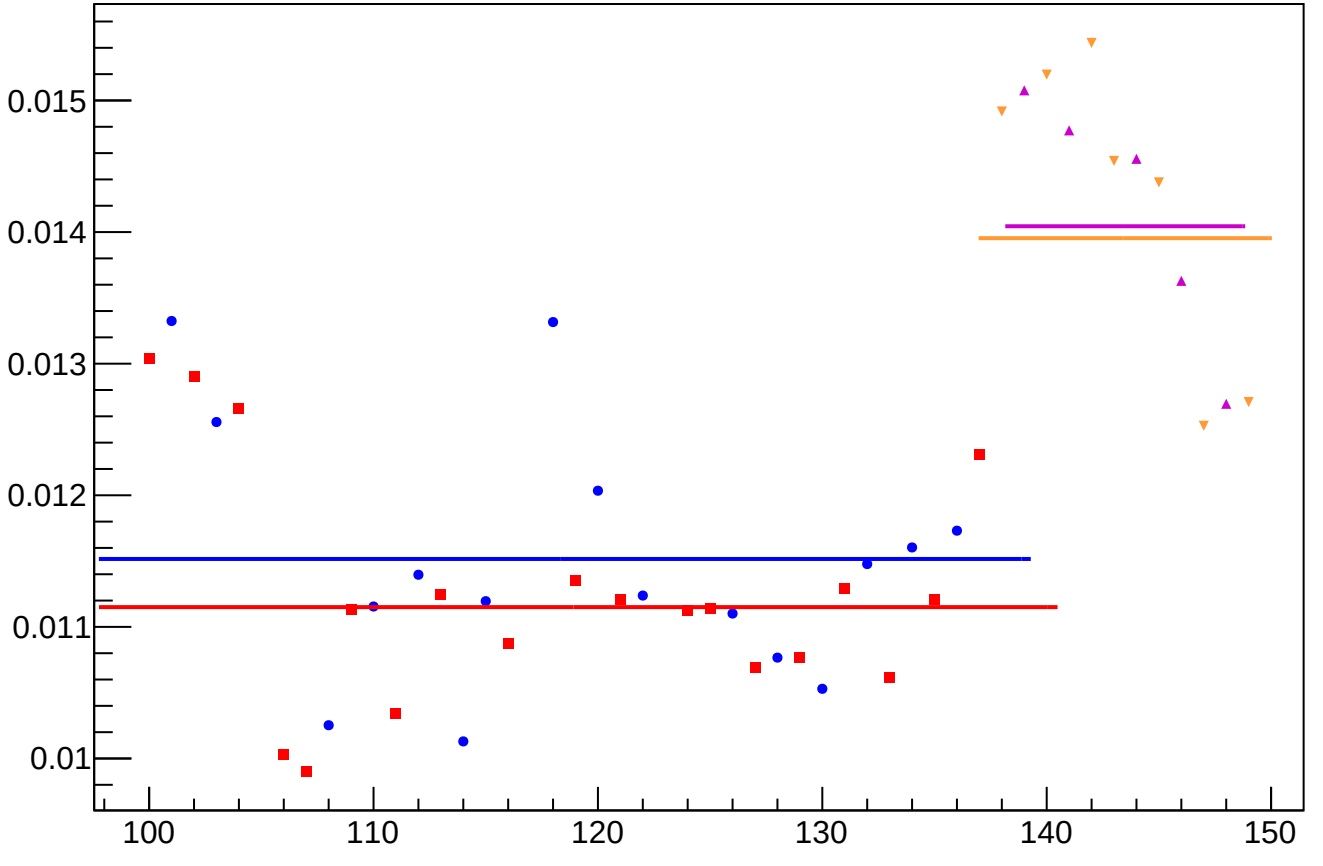
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.295+/-0.000 χ^2/NDF:4081319656.3/20

Out: -0.331+/-0.000 χ^2/NDF:6936238043.9/25

All: -0.314+/-0.000 χ^2/NDF: 11067115364.8/

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:62735.8/6

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: 95697.5/11

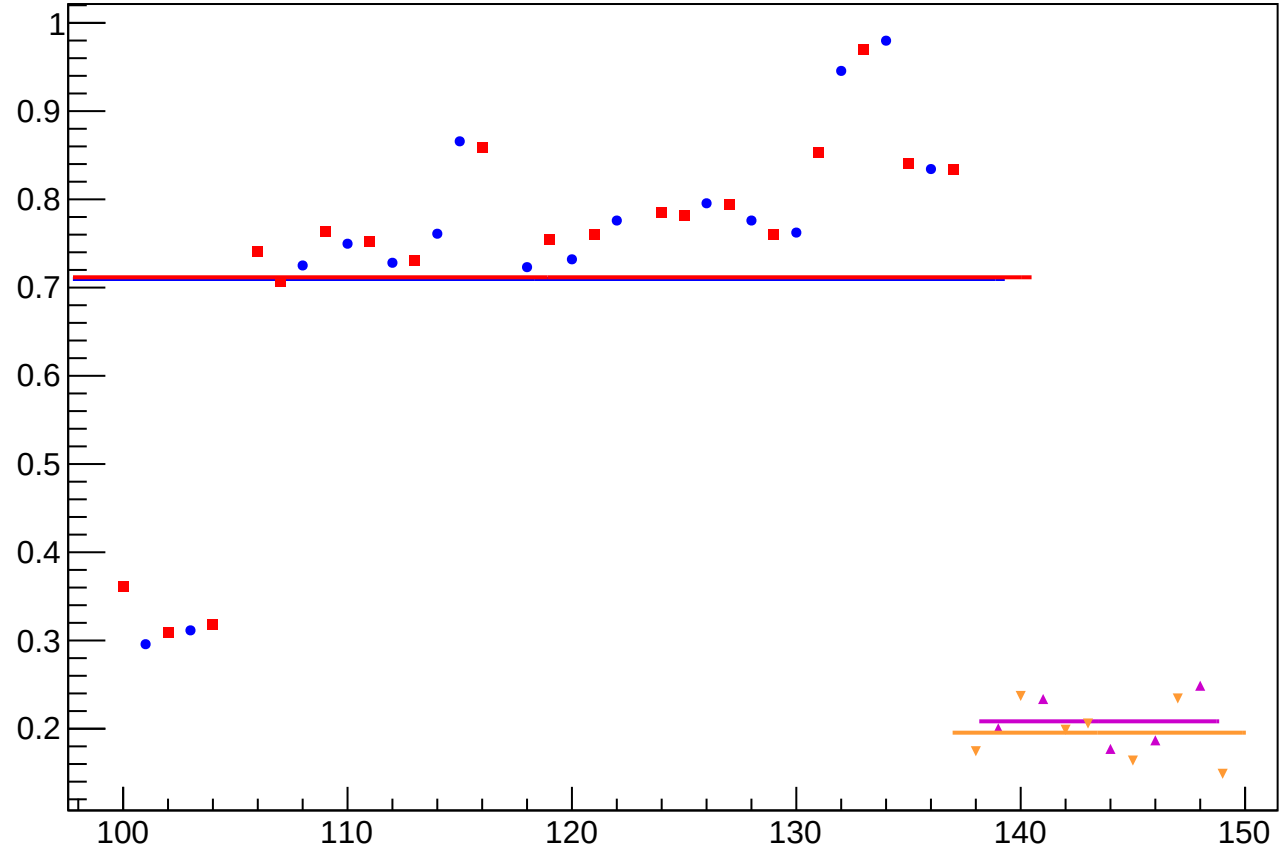
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:304971.5/20

Out: 0.012+/-0.000 χ^2/NDF:409860.0/25

All: 0.012+/-0.000 χ^2/NDF: 719071.2/46

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.196+/-0.000 χ^2/NDF:1263955138.1/6

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: 0.201+/-0.000 χ^2/NDF: 2032570965.7/11

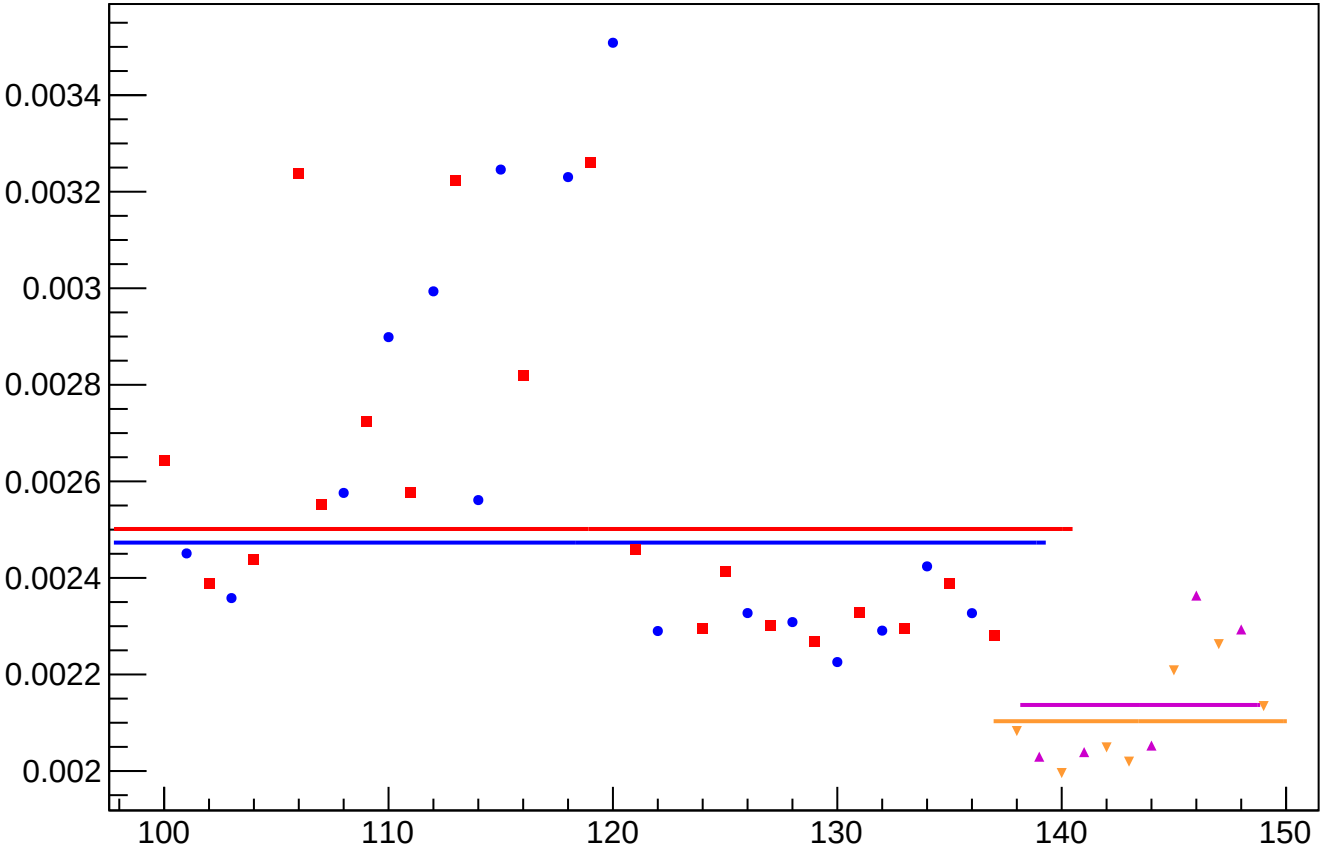
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.480+/-0.000 χ^2/NDF:177855961814.9/20

Out: 0.446+/-0.000 χ^2/NDF:199805106231.0/25

All: 0.462+/-0.000 χ^2/NDF: 378965811951.4

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:20527.8/6

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: 57304.8/11

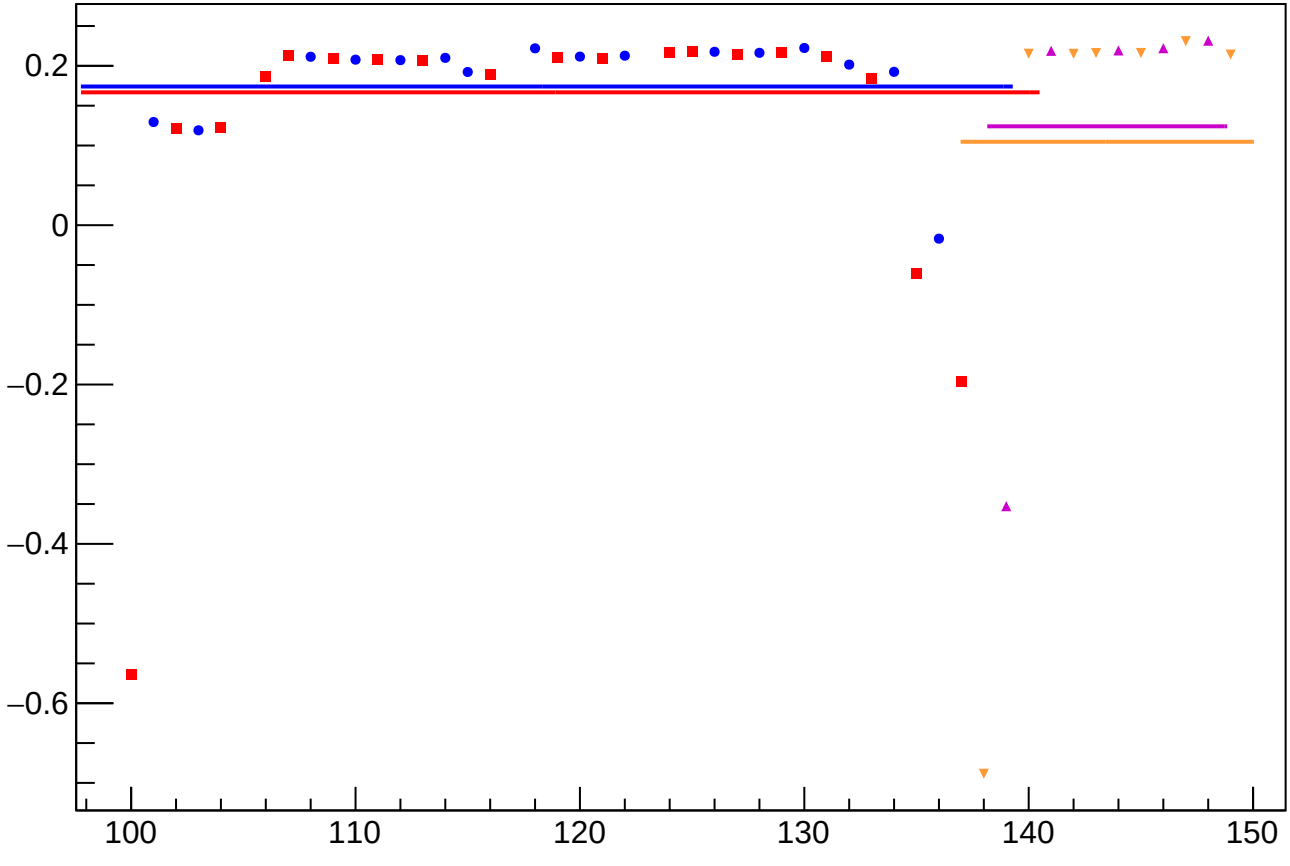
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:359049.7/20

Out: 0.002+/-0.000 χ^2/NDF:381686.0/25

All: 0.002+/-0.000 χ^2/NDF: 741895.7/46

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.105+/-0.000 χ^2/NDF:2802675194.6/6

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: 0.113+/-0.000 χ^2/NDF: 3999380413.3/11

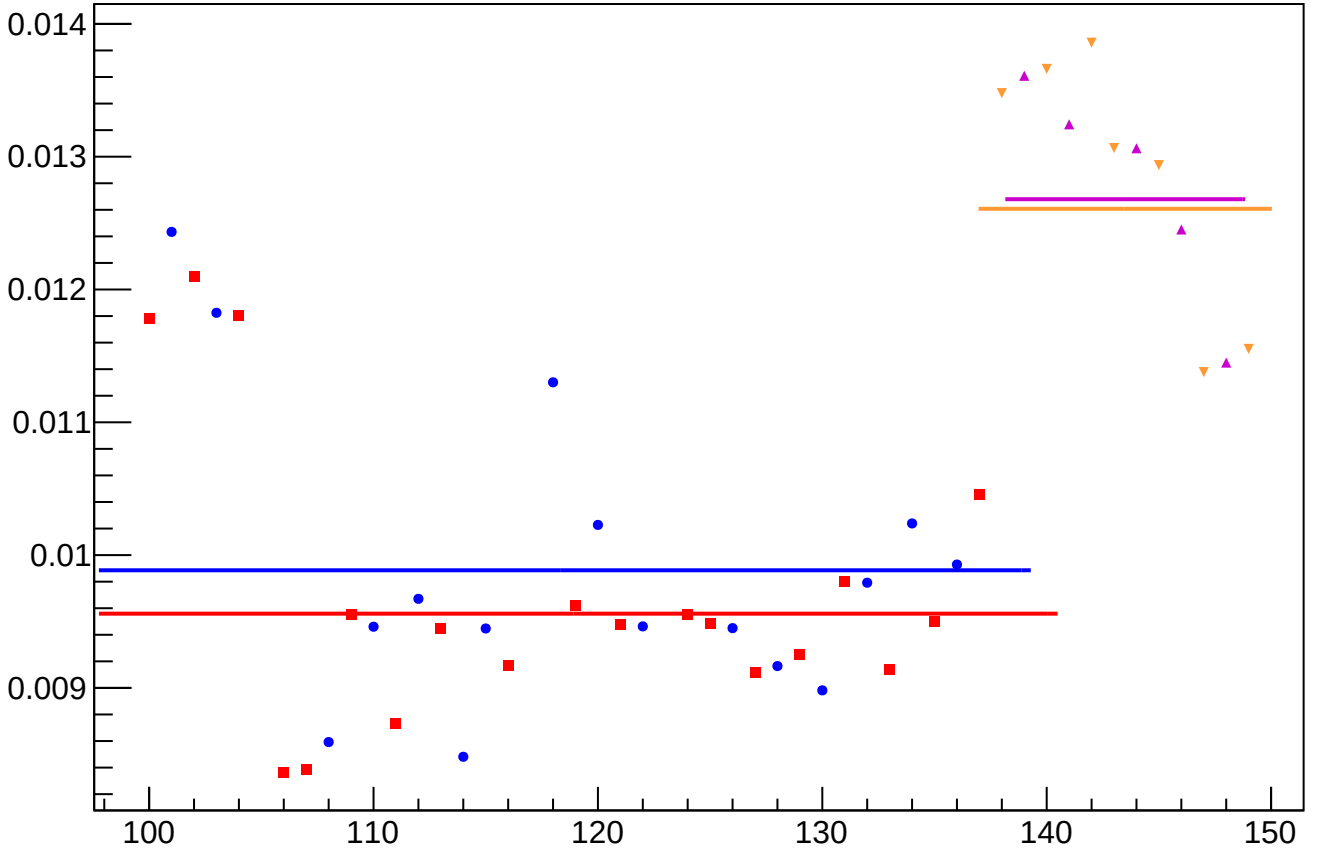
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.161+/-0.000 χ^2/NDF:1639659848.6/20

Out: 0.149+/-0.000 χ^2/NDF:3782287439.3/25

All: 0.155+/-0.000 χ^2/NDF: 5428851598.1/46

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:55987.7/6

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: 86700.0/11

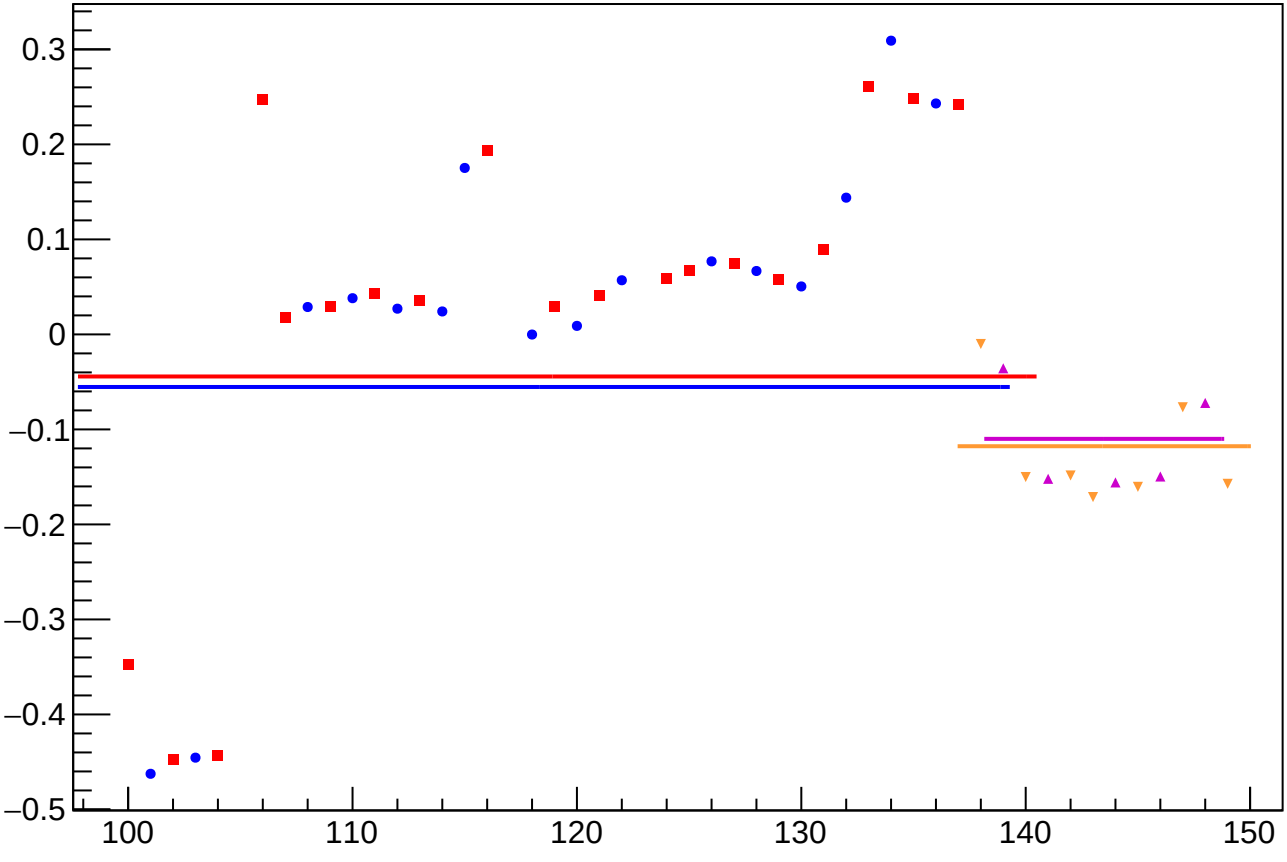
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:468132.1/20

Out: 0.010+/-0.000 χ^2/NDF:605336.8/25

All: 0.011+/-0.000 χ^2/NDF: 1077697.9/46

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.118+/-0.000 χ^2/NDF:1801183823.9/6

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.110+/-0.000 χ^2/NDF:1082547887.4/4

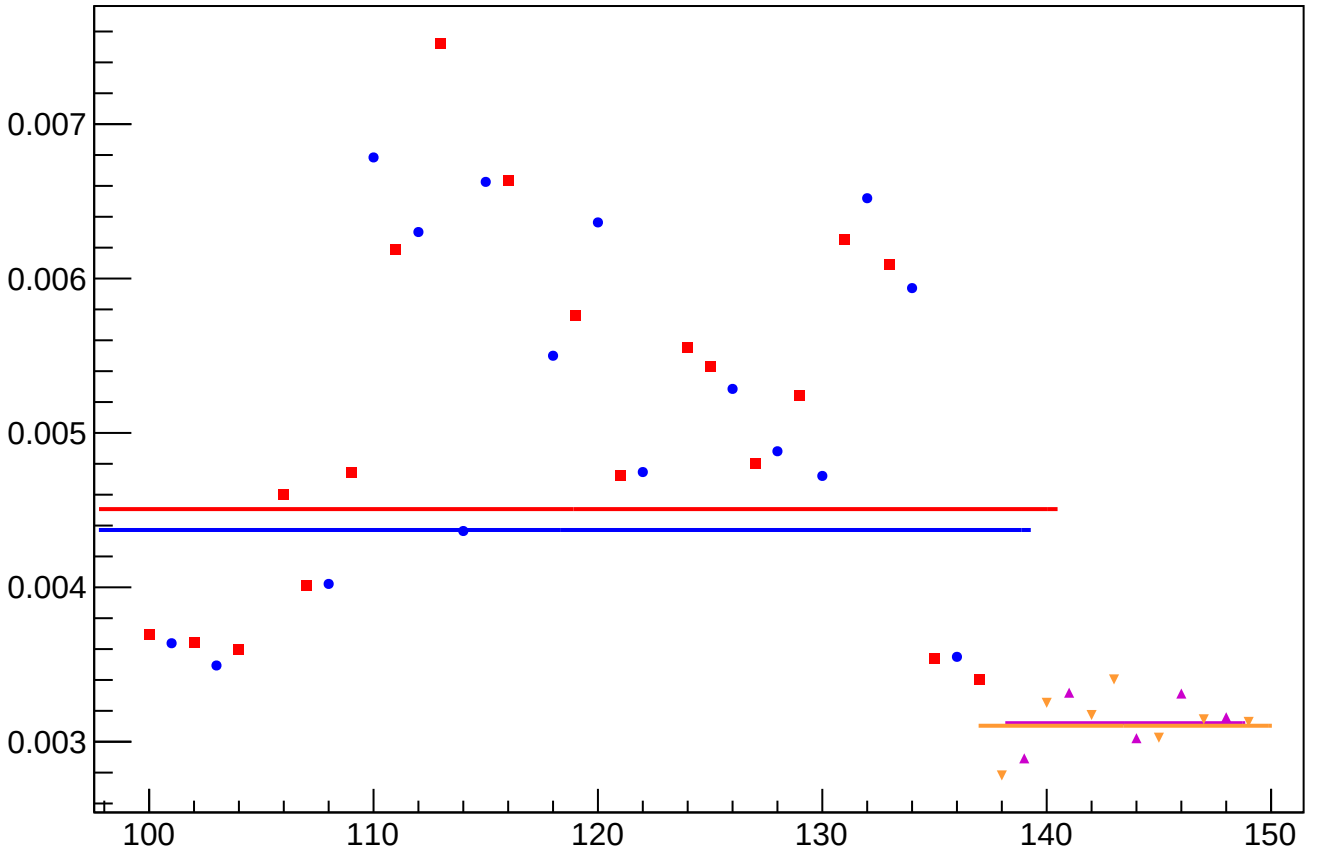
Left: -0.114+/-0.000 χ^2/NDF: 2897433644.0/11

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.086+/-0.000 χ^2/NDF:25700914458.4/20

Out: -0.090+/-0.000 χ^2/NDF:24986021916.5/25

All: -0.088+/-0.000 χ^2/NDF: 50691936722.5/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:35665.7/6

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: 58791.4/11

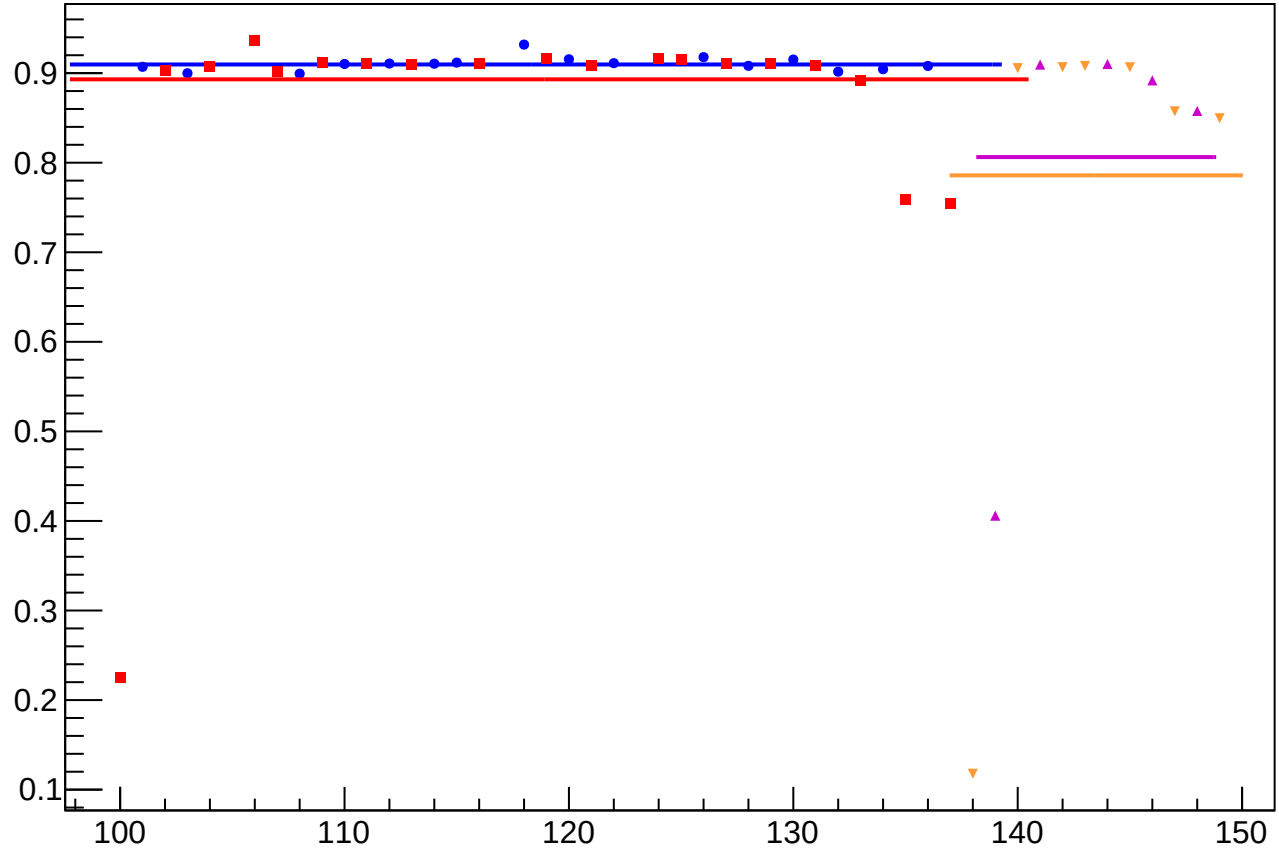
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1246770.6/20

Out: 0.004+/-0.000 χ^2/NDF:1506487.2/25

All: 0.004+/-0.000 χ^2/NDF: 2753845.8/46

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.786+/-0.000 χ^2/NDF:2185486762.6/6

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: 0.795+/-0.000 χ^2/NDF: 3115875812.1/11

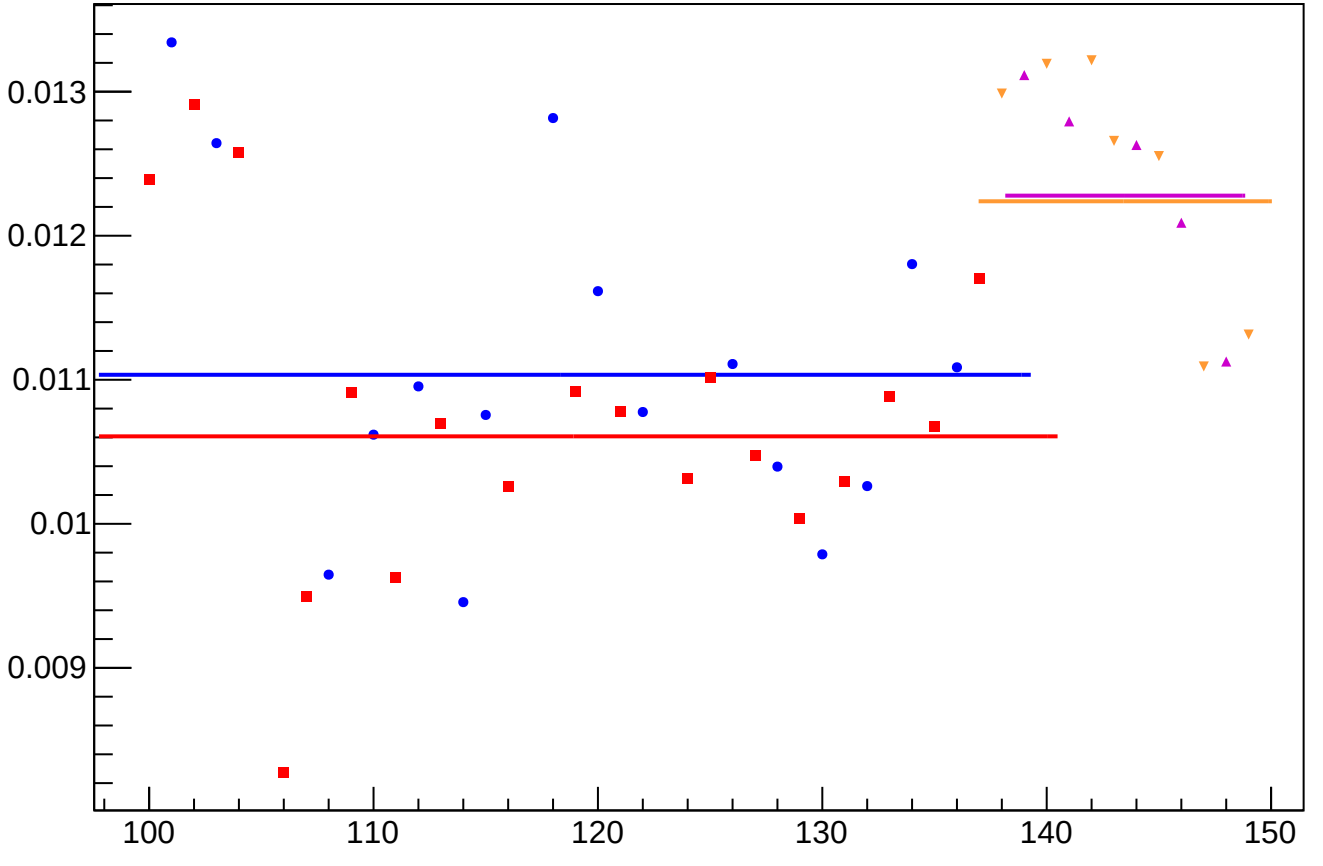
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.876+/-0.000 χ^2/NDF:1123015673.1/20

Out: 0.856+/-0.000 χ^2/NDF:2764730741.6/25

All: 0.866+/-0.000 χ^2/NDF: 3905095446.2/46

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:47476.6/6

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: 75487.1/11

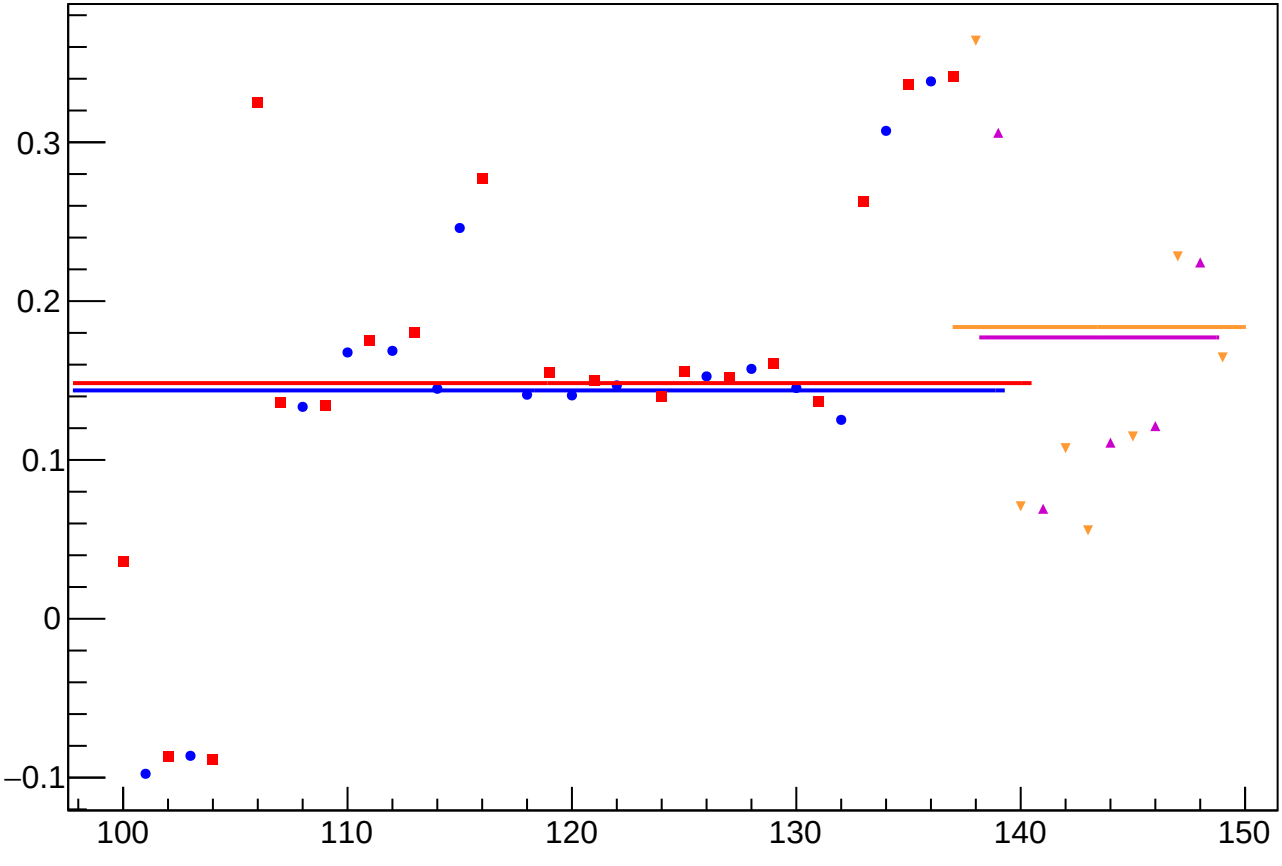
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:214919.4/20

Out: 0.011+/-0.000 χ^2/NDF:307887.4/25

All: 0.011+/-0.000 χ^2/NDF: 529530.9/46

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.184+/-0.000 χ^2/NDF:4092339162.6/6

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: 0.181+/-0.000 χ^2/NDF: 6214724050.0/11

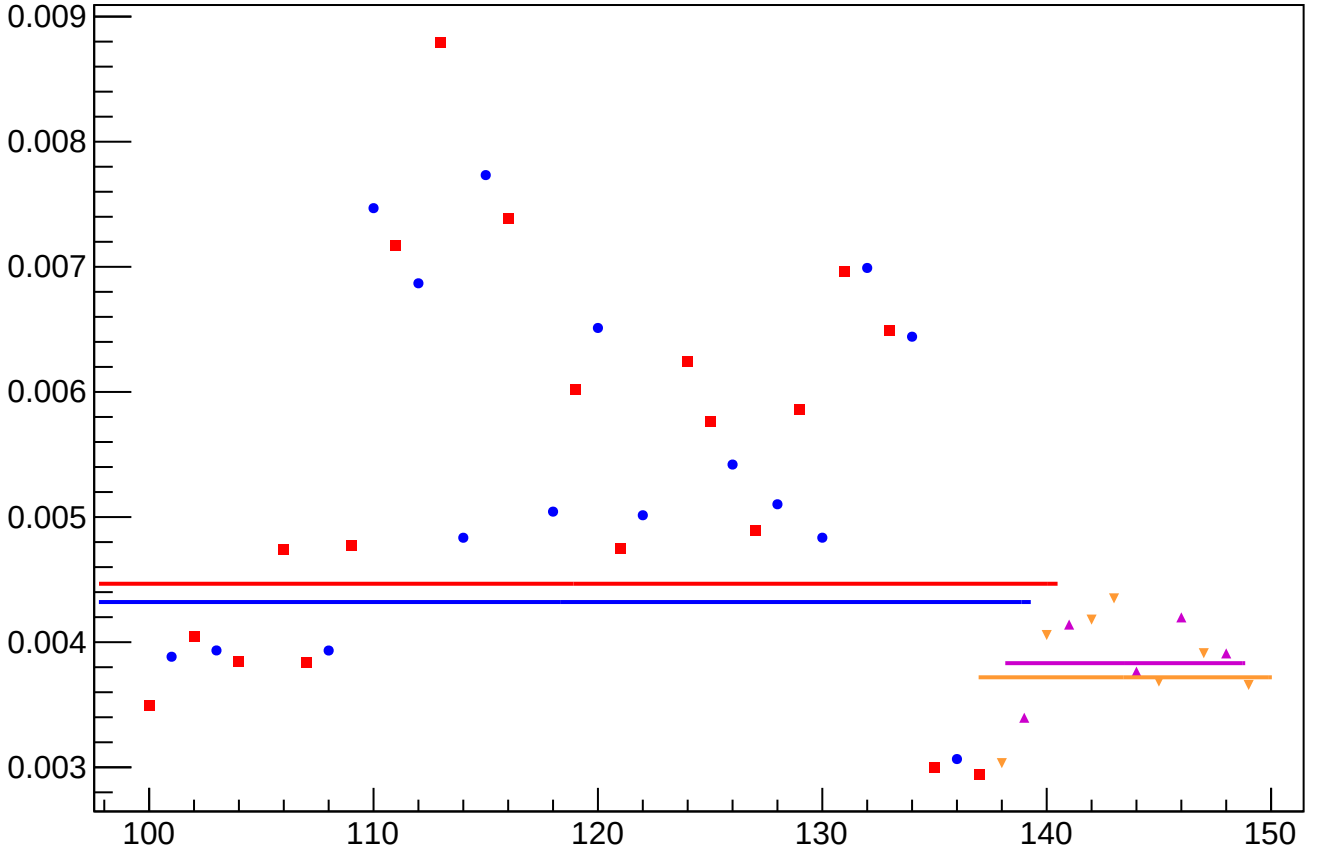
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.159+/-0.000 χ^2/NDF:10140281924.9/20

Out: 0.167+/-0.000 χ^2/NDF:11417847039.9/25

All: 0.163+/-0.000 χ^2/NDF: 21577425191.0/4

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:123673.1/6

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: 173706.4/11

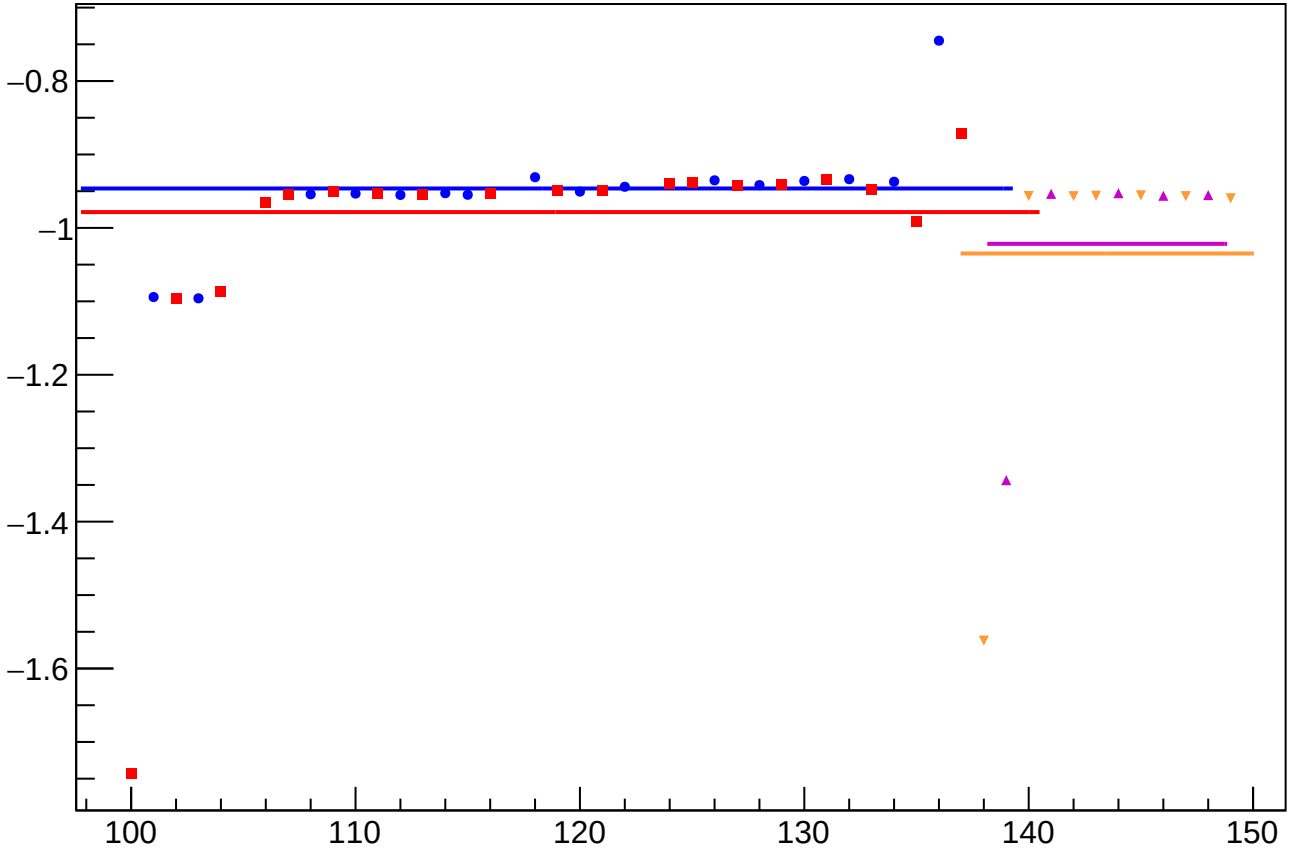
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:991892.8/20

Out: 0.004+/-0.000 χ^2/NDF:1386128.0/25

All: 0.004+/-0.000 χ^2/NDF: 2378446.6/46

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.035+/-0.000 χ^2/NDF:1740039096.8/6

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: -1.029+/-0.000 χ^2/NDF: 2494674709.5/11

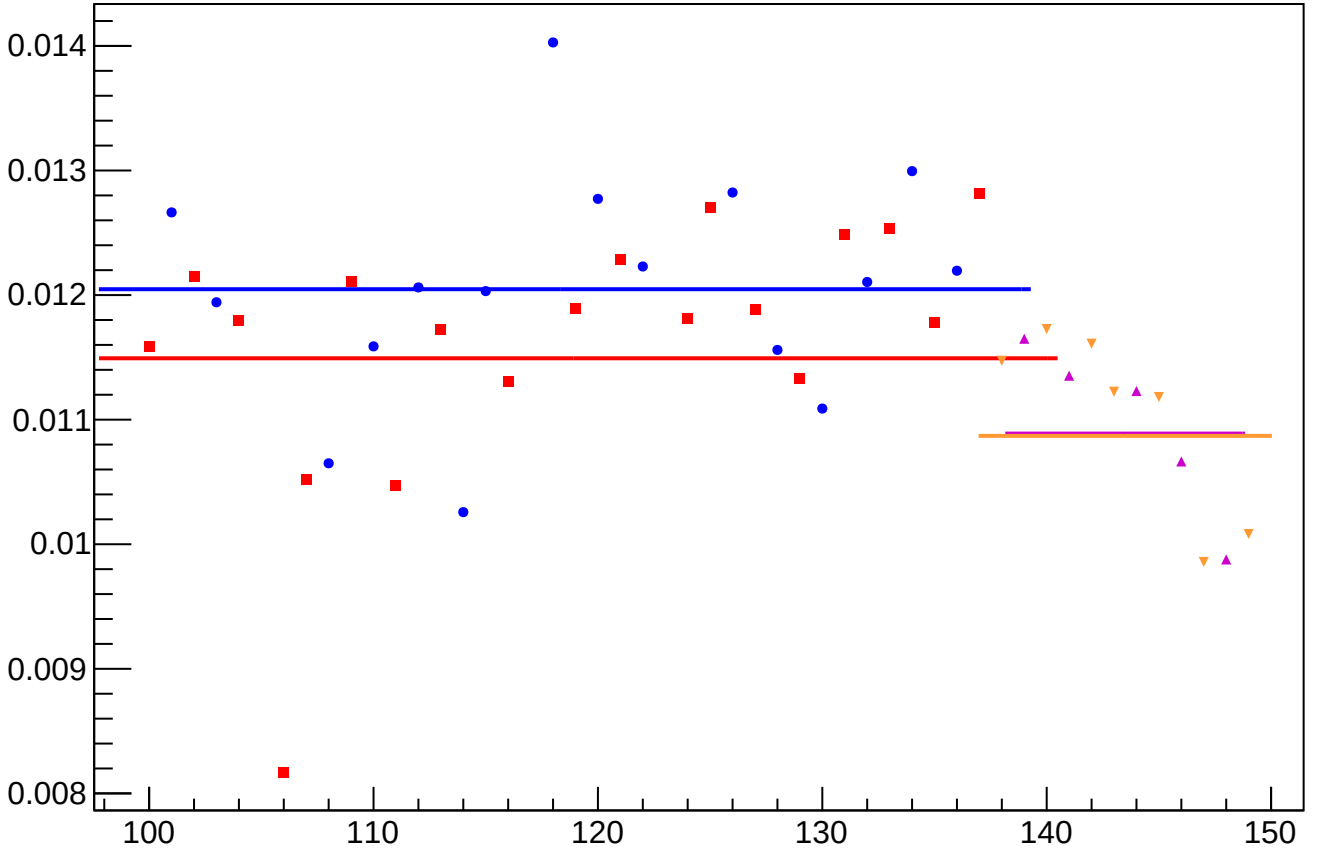
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.978+/-0.000 χ^2/NDF:1269748468.8/20

Out: -1.003+/-0.000 χ^2/NDF:2276859397.0/25

All: -0.992+/-0.000 χ^2/NDF: 3574325930.3/4

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:44882.2/6

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: 73725.1/11

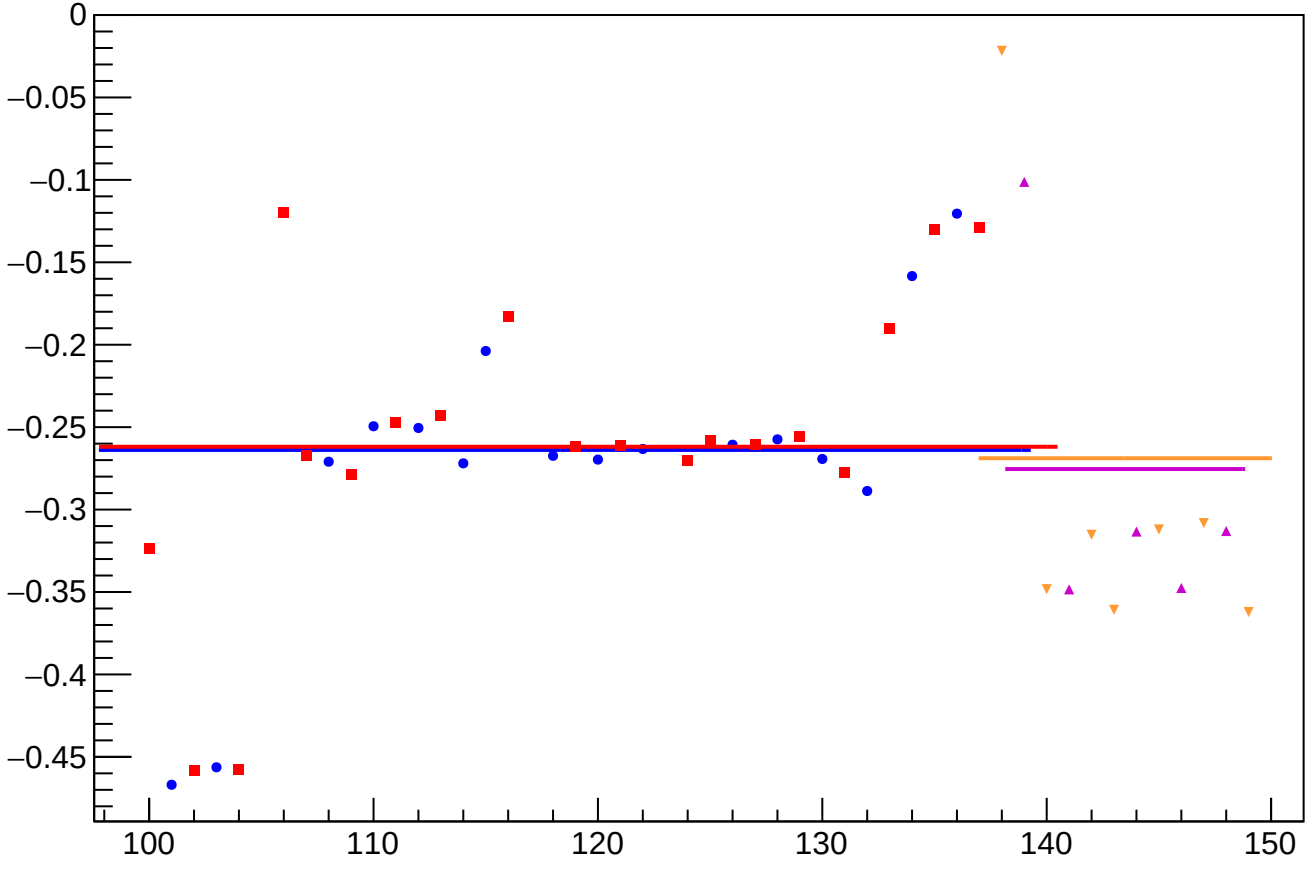
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:145167.8/20

Out: 0.011+/-0.000 χ^2/NDF:214653.4/25

All: 0.011+/-0.000 χ^2/NDF: 369915.6/46

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.269+/-0.000 χ^2/NDF:4333525332.6/6

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: -0.272+/-0.000 χ^2/NDF: 6311597311.0/11

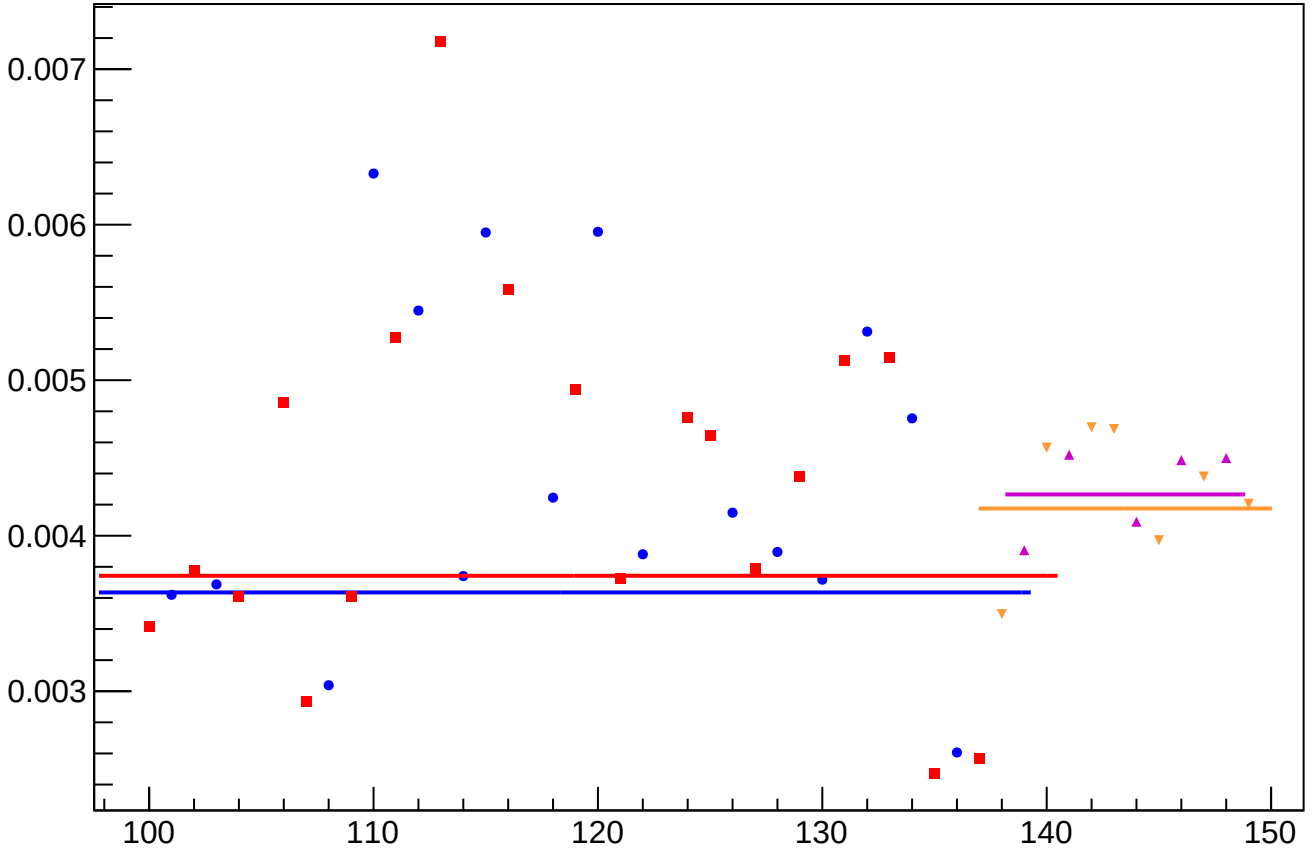
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.268+/-0.000 χ^2/NDF:8098072027.9/20

Out: -0.265+/-0.000 χ^2/NDF:9591426814.9/25

All: -0.266+/-0.000 χ^2/NDF: 17692489351.1/

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:93069.5/6

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: 122579.5/11

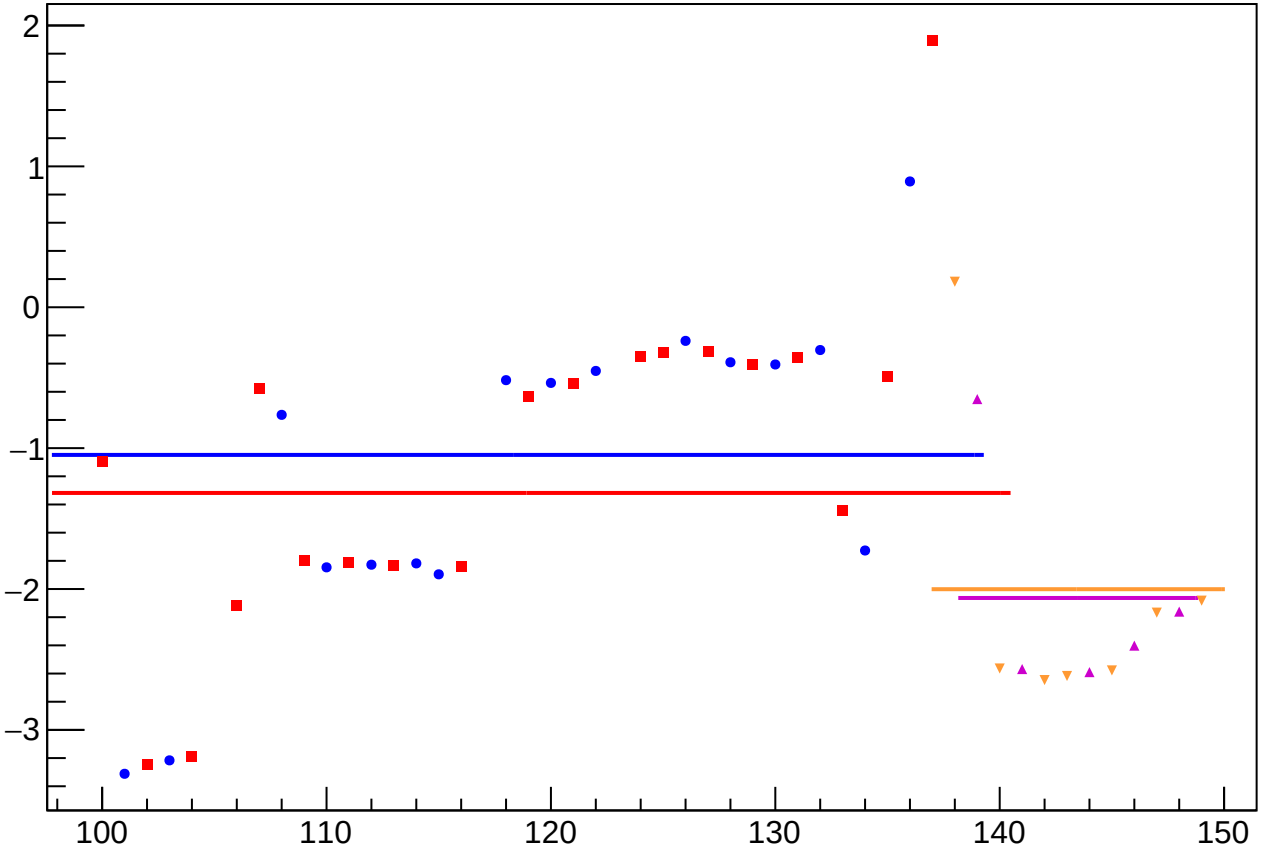
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:867157.9/20

Out: 0.004+/-0.000 χ^2/NDF:1048009.7/25

All: 0.004+/-0.000 χ^2/NDF: 1918340.9/46

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -2.001+/-0.000 χ^2/NDF:895294197.7/6

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: -2.029+/-0.000 χ^2/NDF: 1306293291.6/11

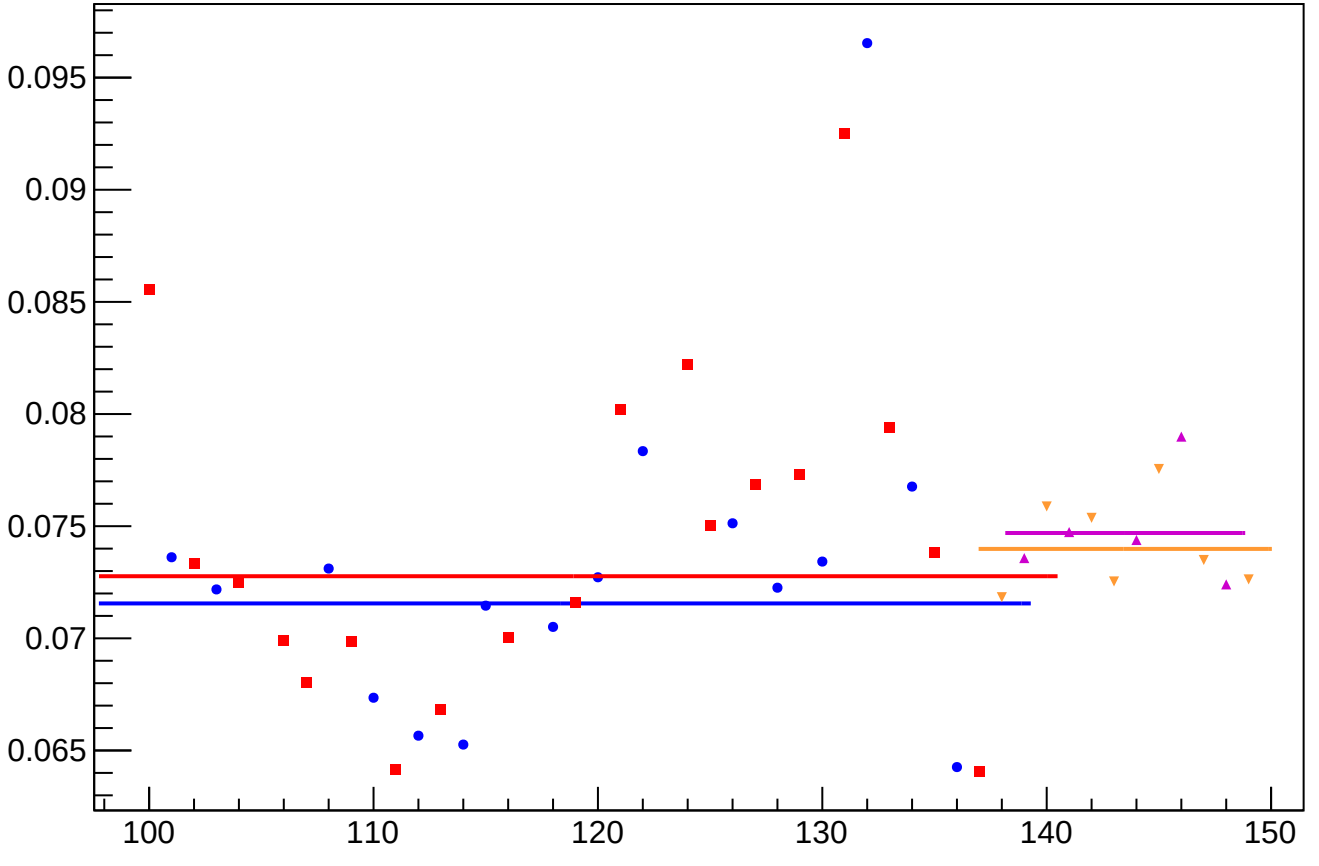
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.409+/-0.000 χ^2/NDF:3257547617.6/20

Out: -1.597+/-0.000 χ^2/NDF:3004690923.7/25

All: -1.507+/-0.000 χ^2/NDF: 6301597720.0/4

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:7234.3/6

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:6961.0/4

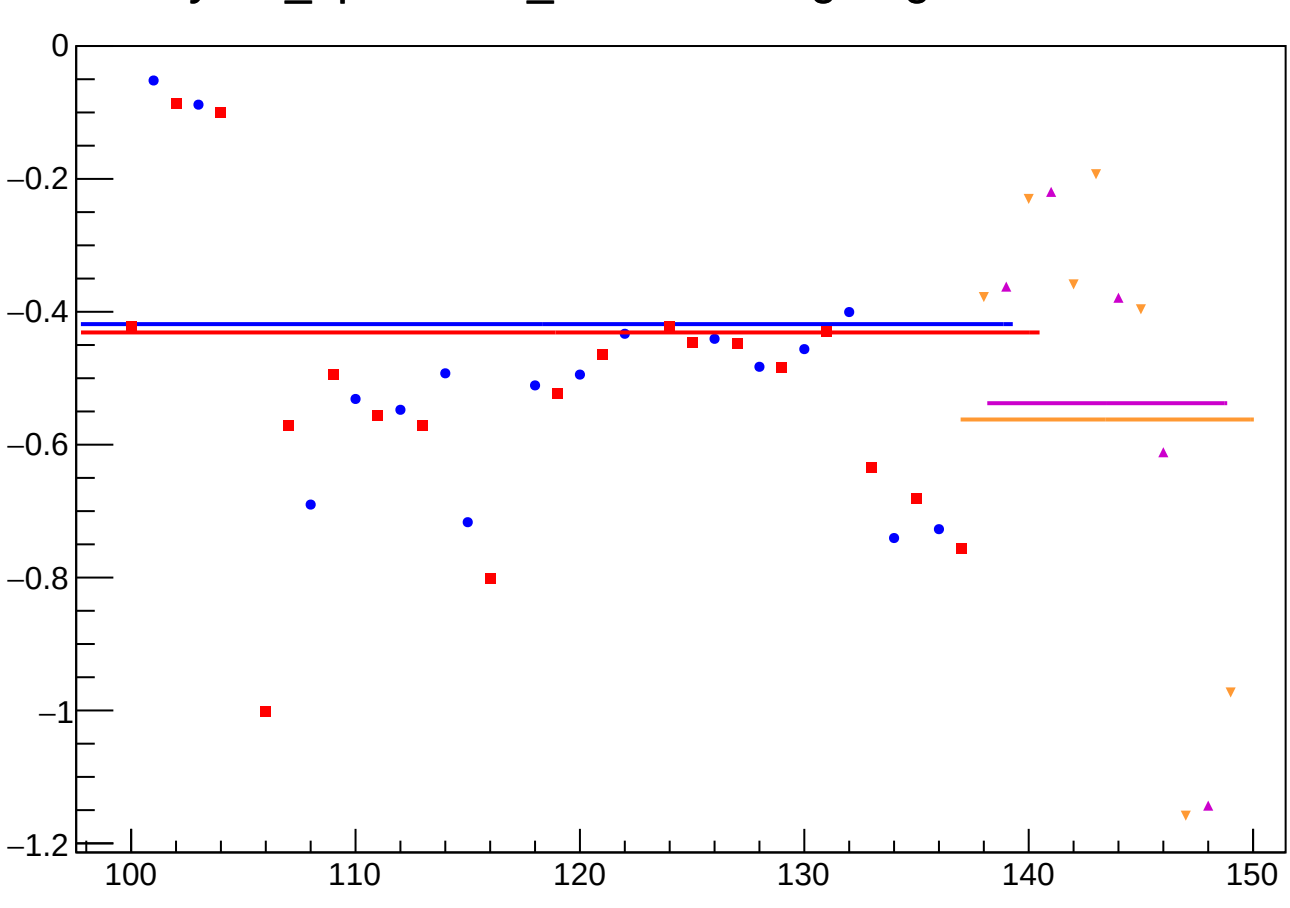
Left: 0.074+/-0.000 χ^2/NDF: 14617.3/11

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:105769.3/25

All: 0.073+/-0.000 χ^2/NDF: 224340.0/46



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.562+/-0.000 χ^2/NDF:8116068829.0/6

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: -0.551+/-0.000 χ^2/NDF: 13680904780.1/11

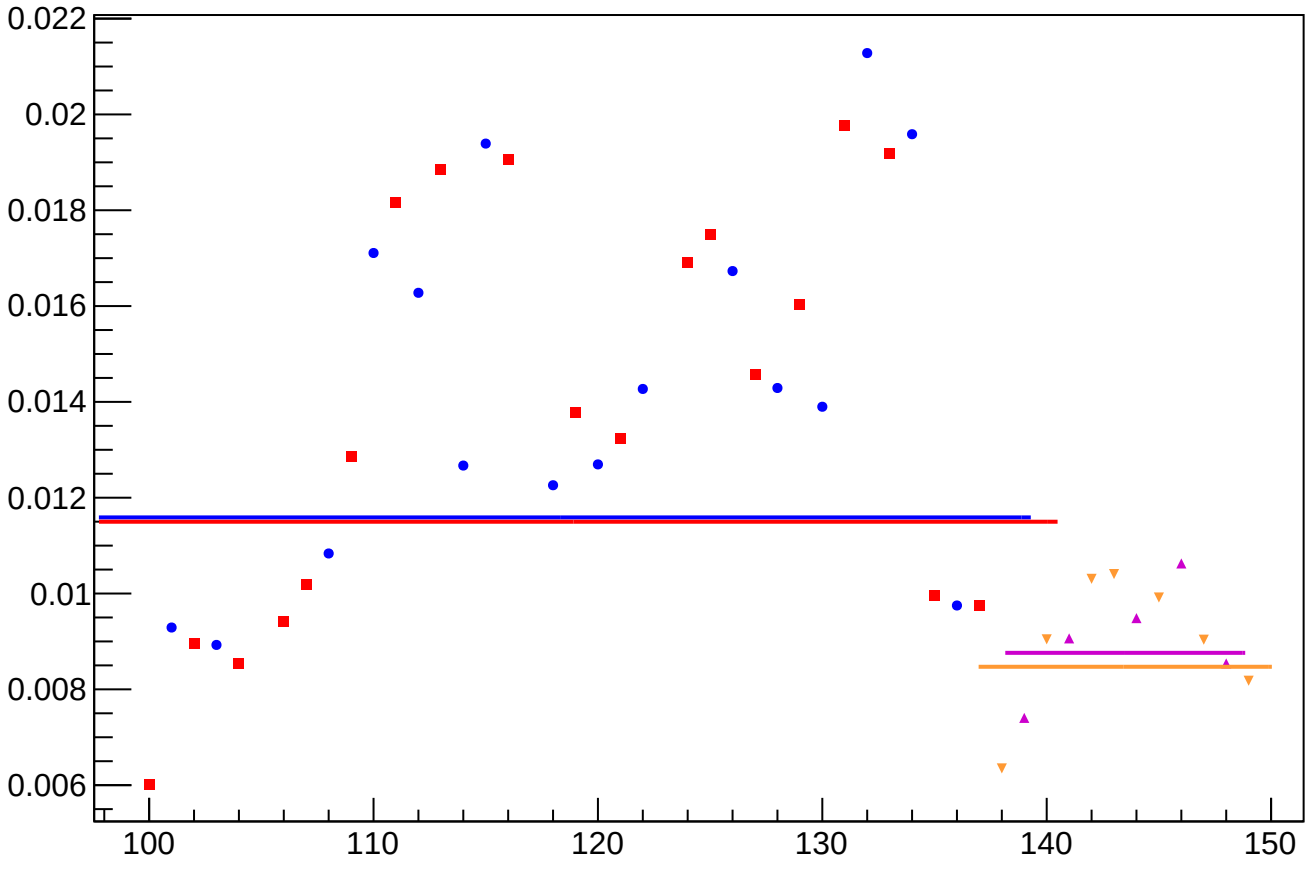
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.481+/-0.000 χ^2/NDF:8952516970.6/20

Out: -0.508+/-0.000 χ^2/NDF:11771226405.4/25

All: -0.496+/-0.000 χ^2/NDF: 20759813921.0/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:275319.2/6

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: 390083.0/11

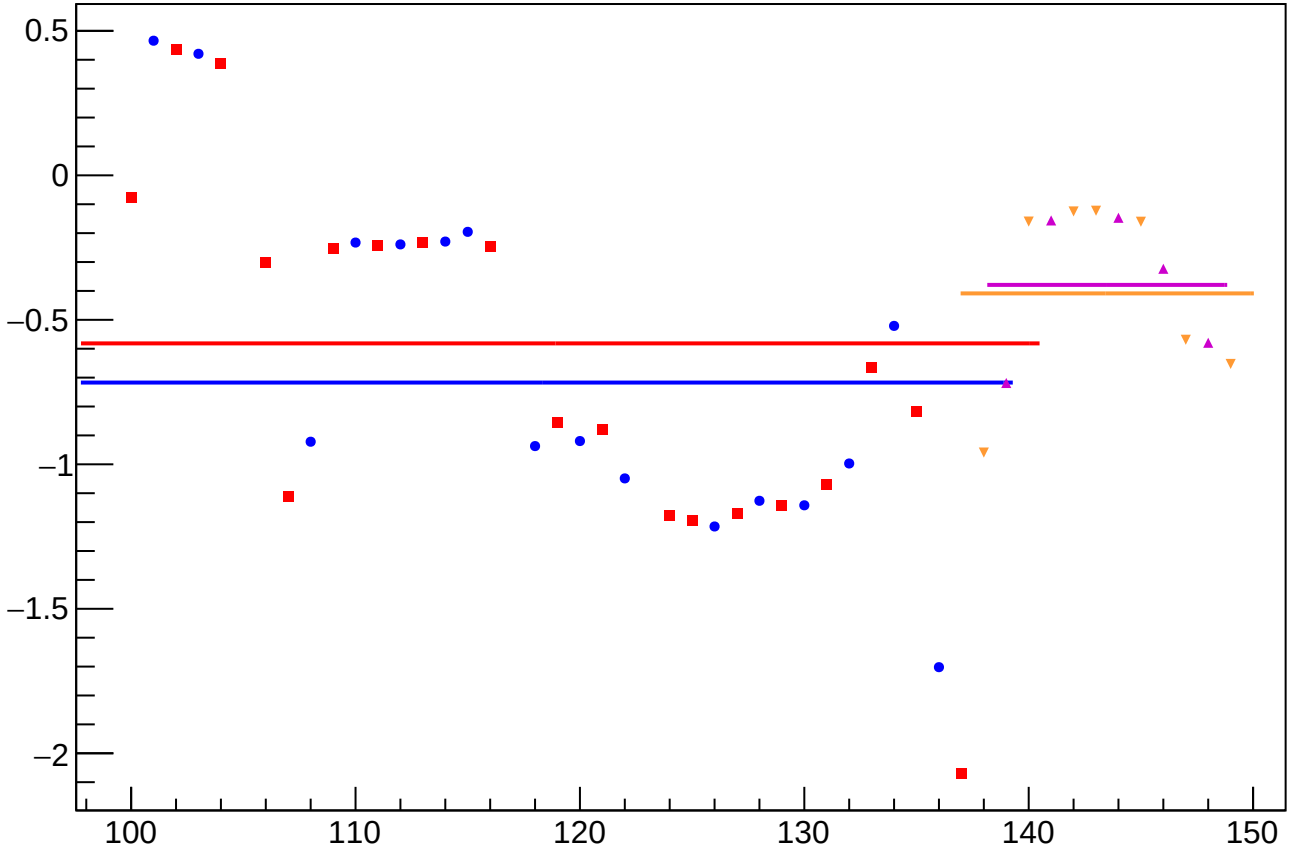
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1271374.0/20

Out: 0.010+/-0.000 χ^2/NDF:1929736.6/25

All: 0.010+/-0.000 χ^2/NDF: 3215445.0/46

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.409+/-0.000 χ^2/NDF:73711520.0/6

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: -0.395+/-0.000 χ^2/NDF: 106784796.2/11

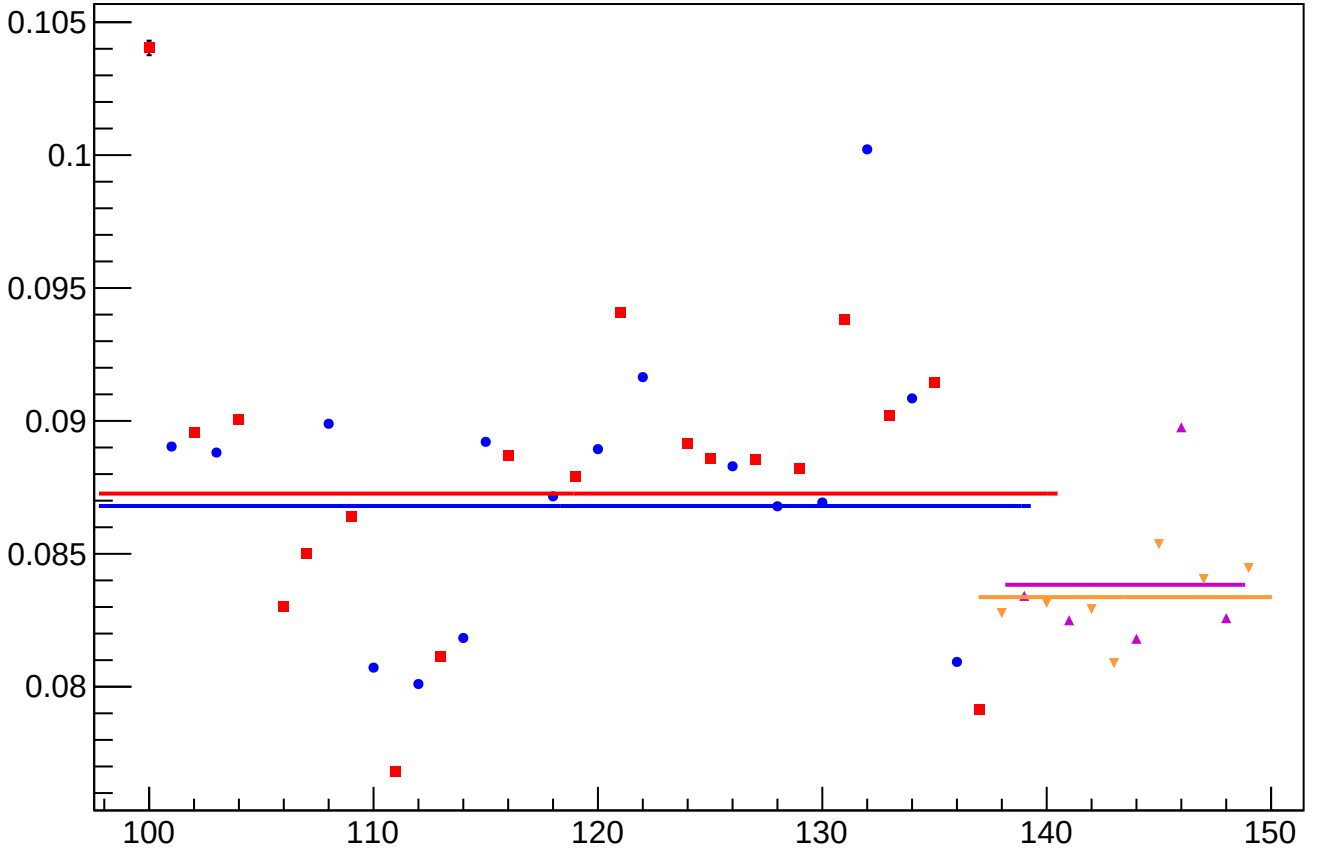
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.585+/-0.000 χ^2/NDF:512809843.1/20

Out: -0.506+/-0.000 χ^2/NDF:428586501.0/25

All: -0.543+/-0.000 χ^2/NDF: 946528986.9/46

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:2891.2/6

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: 0.084+/-0.000 χ^2/NDF: 12663.6/11

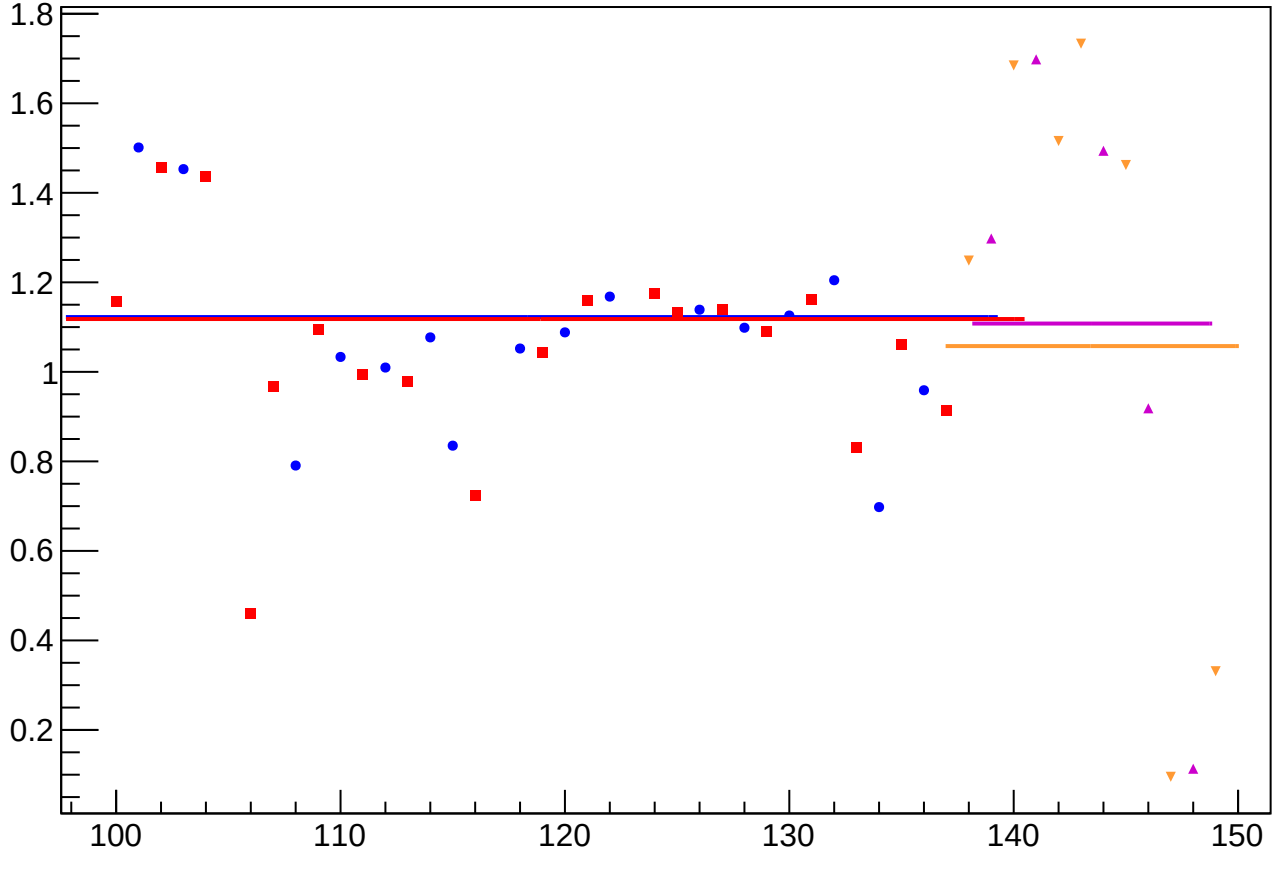
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:59751.4/20

Out: 0.086+/-0.000 χ^2/NDF:62047.9/25

All: 0.086+/-0.000 χ^2/NDF: 121809.4/46

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.058+/-0.000 χ^2/NDF:17035800579.0/6

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: 1.079+/-0.000 χ^2/NDF: 27948190608.1/11

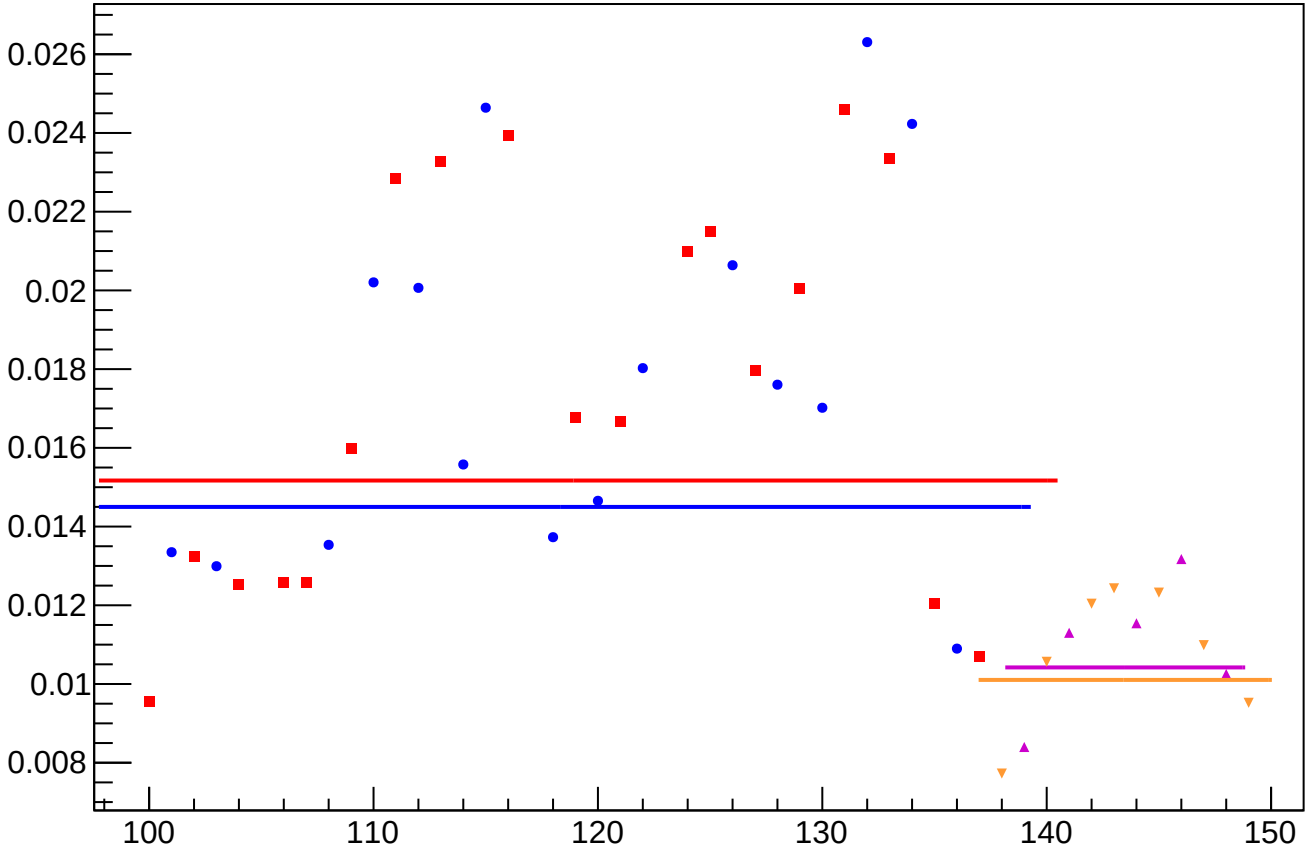
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.114+/-0.000 χ^2/NDF:12319305646.7/20

Out: 1.080+/-0.000 χ^2/NDF:18667942101.3/25

All: 1.096+/-0.000 χ^2/NDF: 31028219820.5/4

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:278248.7/6

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: 464453.2/11

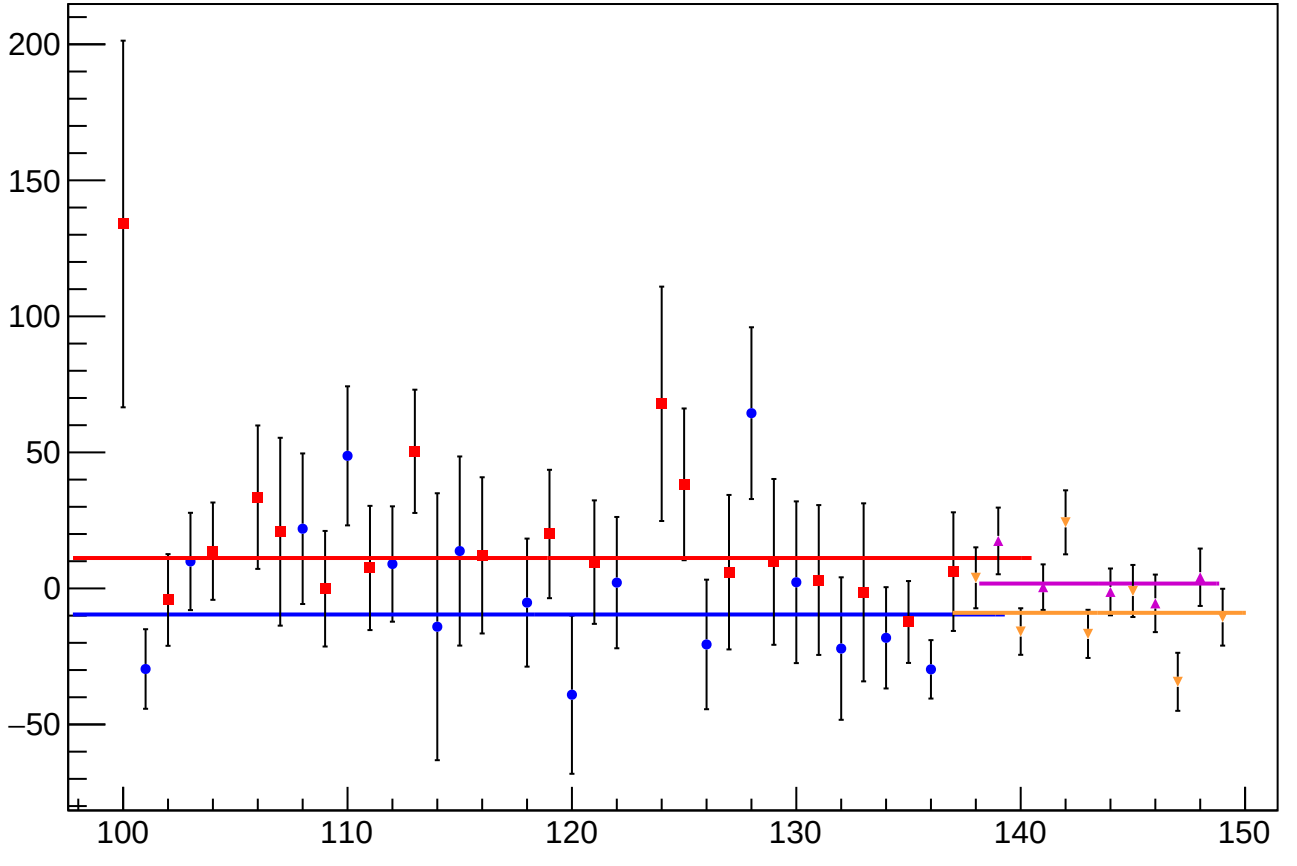
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.012+/-0.000 χ^2/NDF:1414969.4/20

Out: 0.012+/-0.000 χ^2/NDF:2011433.4/25

All: 0.012+/-0.000 χ^2/NDF: 3432110.7/46

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.969+/-3.766 χ^2/NDF:17.1/6

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.786+/-4.369 χ^2/NDF:2.3/4

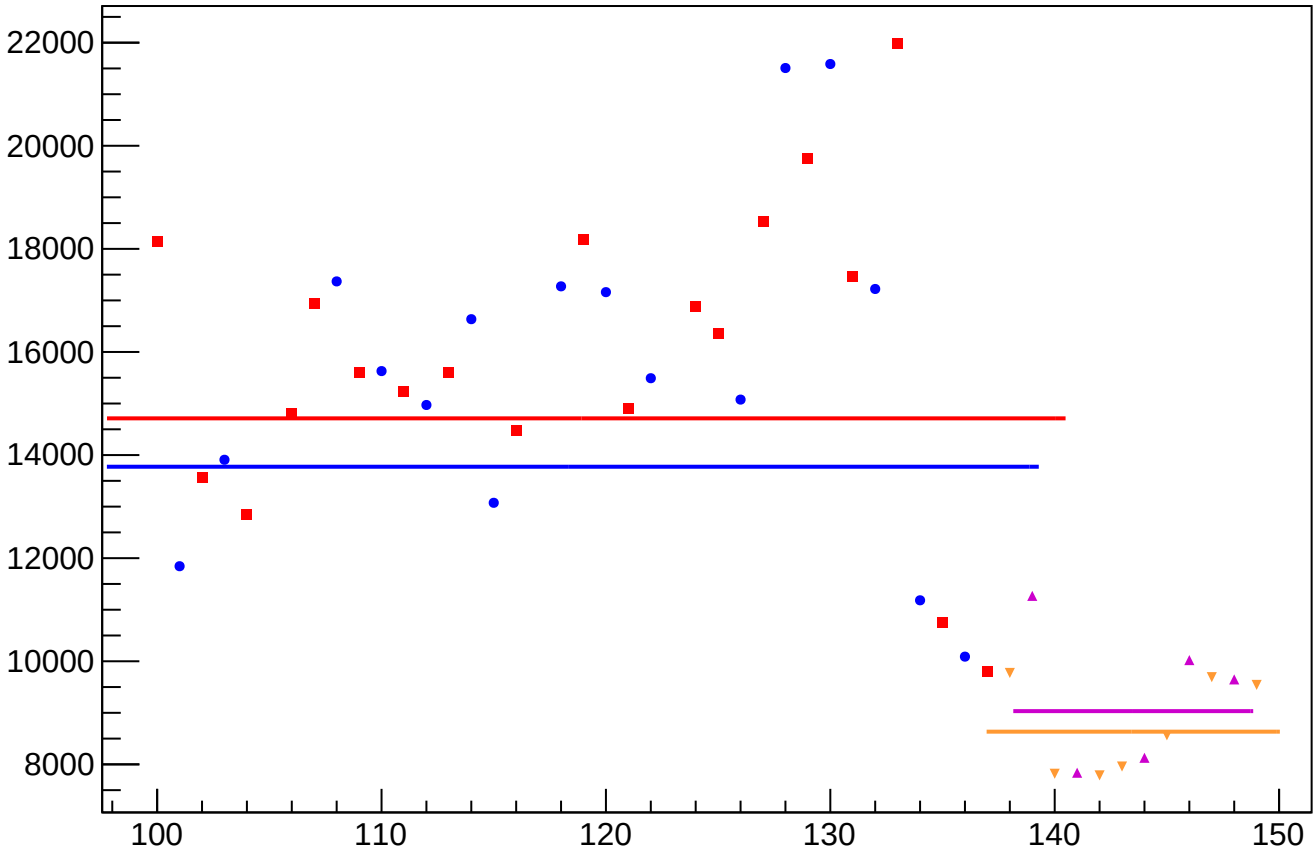
Left: -4.384+/-2.853 χ^2/NDF: 22.9/11

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

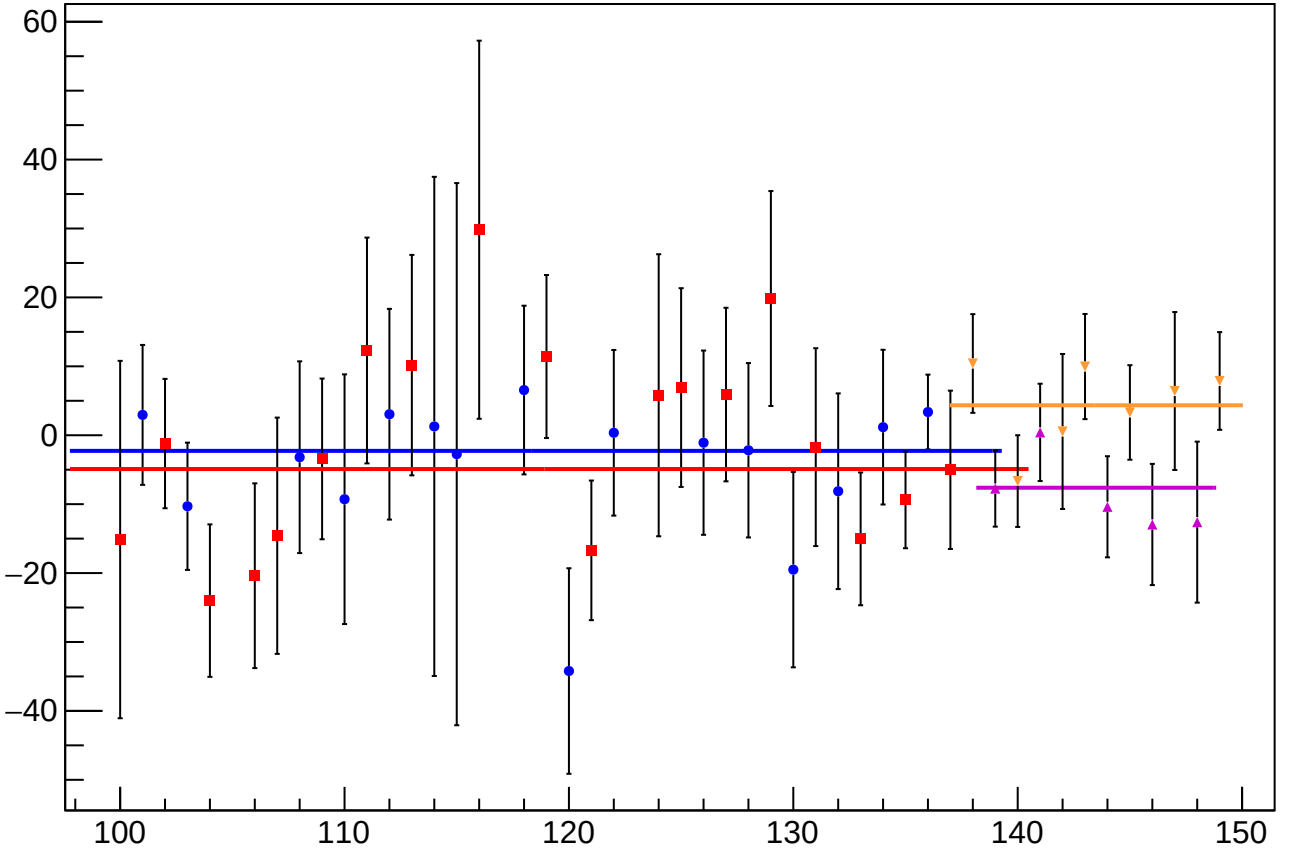
In: -2.823+/-3.369 χ^2/NDF:27.0/20

Out: -2.533+/-3.107 χ^2/NDF:40.1/25

All: -2.666+/-2.284 χ^2/NDF: 67.1/46


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: 8634.540+/-2.663 χ²/NDF:95794.9/6
Right Out: 14712.201+/-3.887 χ²/NDF: 557305.5/18
Left In: 9032.959+/-3.090 χ²/NDF:153817.2/4
Left: 8804.377+/-2.017 χ²/NDF: 259152.5/11
Right: 14225.090+/-2.695 χ²/NDF: 1335141.9/34
In: 10955.375+/-2.382 χ²/NDF:1856152.3/20
Out: 10576.110+/-2.197 χ²/NDF:2316815.1/25
All: 10750.425+/-1.615 χ²/NDF: 4186664.0/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.349+/-2.937 χ^2/NDF:4.4/6

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: -0.936+/-2.195 χ^2/NDF: 13.7/11

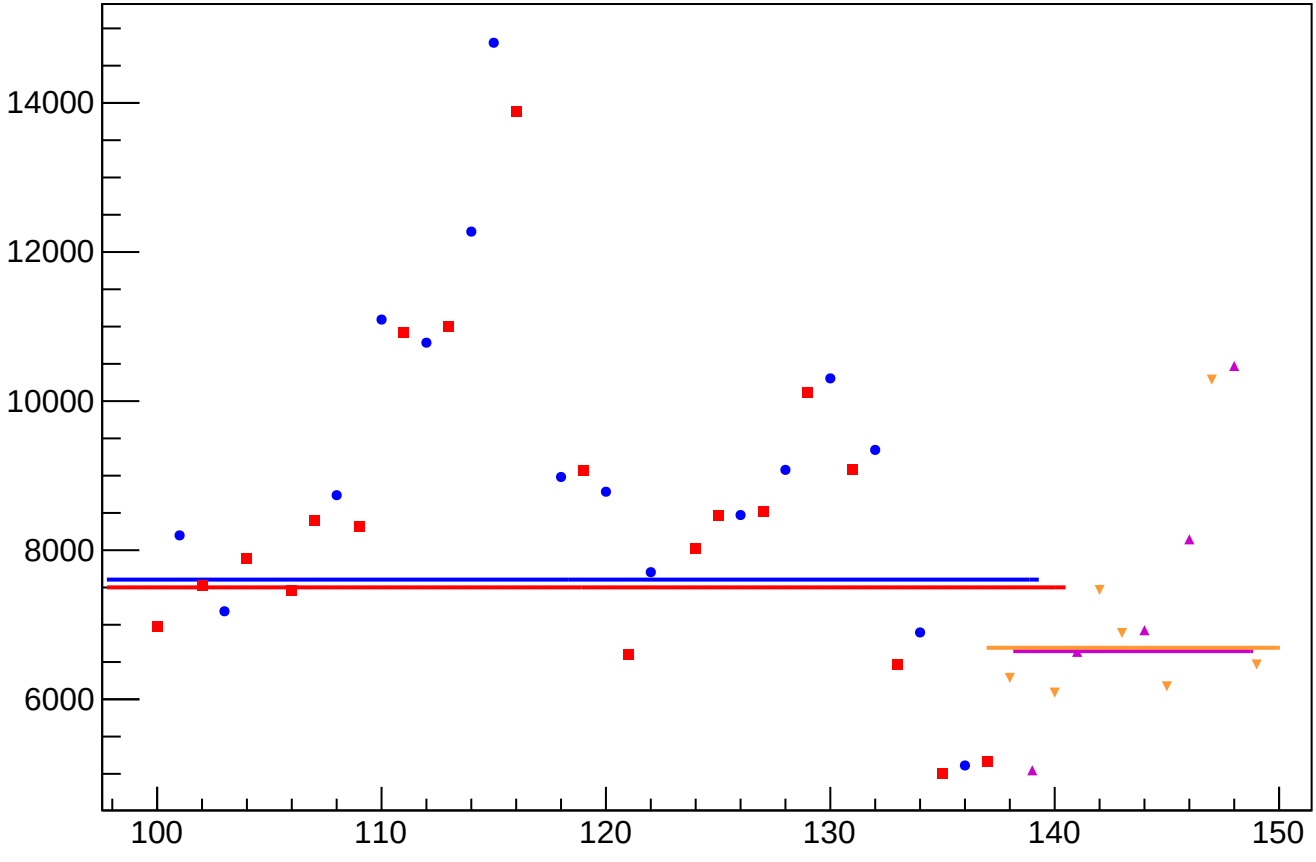
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -4.616+/-2.188 χ^2/NDF:12.8/20

Out: -0.440+/-2.040 χ^2/NDF:27.1/25

All: -2.382+/-1.492 χ^2/NDF: 41.8/46

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6691.275+/-2.077 χ^2/NDF:244026.3/6

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6646.225+/-2.335 χ^2/NDF:443220.6/4

Left: 6671.378+/-1.552 χ^2/NDF: 687454.7/11

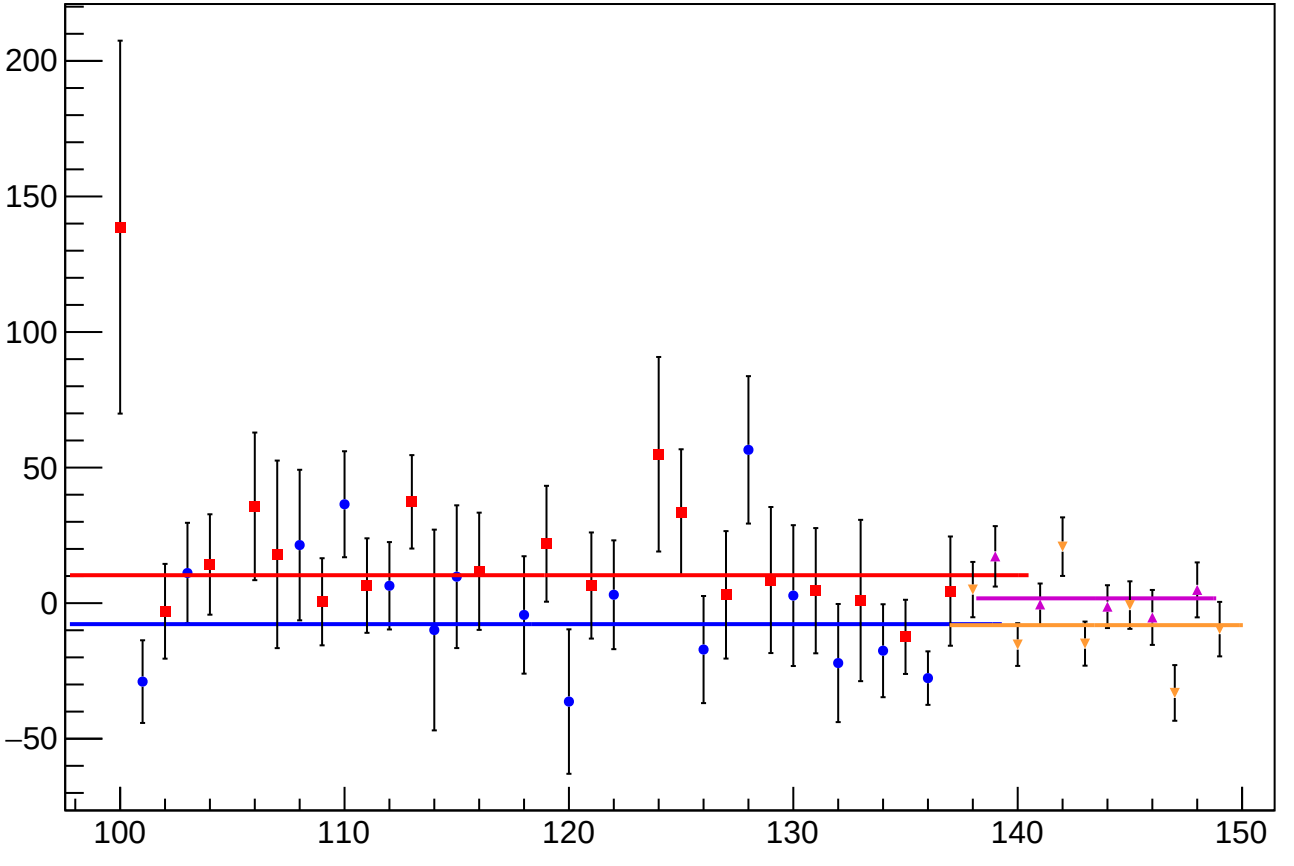
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7184.357+/-1.547 χ^2/NDF:1429409.8/20

Out: 7110.587+/-1.443 χ^2/NDF:1146353.7/25

All: 7144.889+/-1.055 χ^2/NDF: 2576979.5/46

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -8.113+/-3.497 χ^2/NDF:17.0/6

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: -3.915+/-2.652 χ^2/NDF: 23.2/11

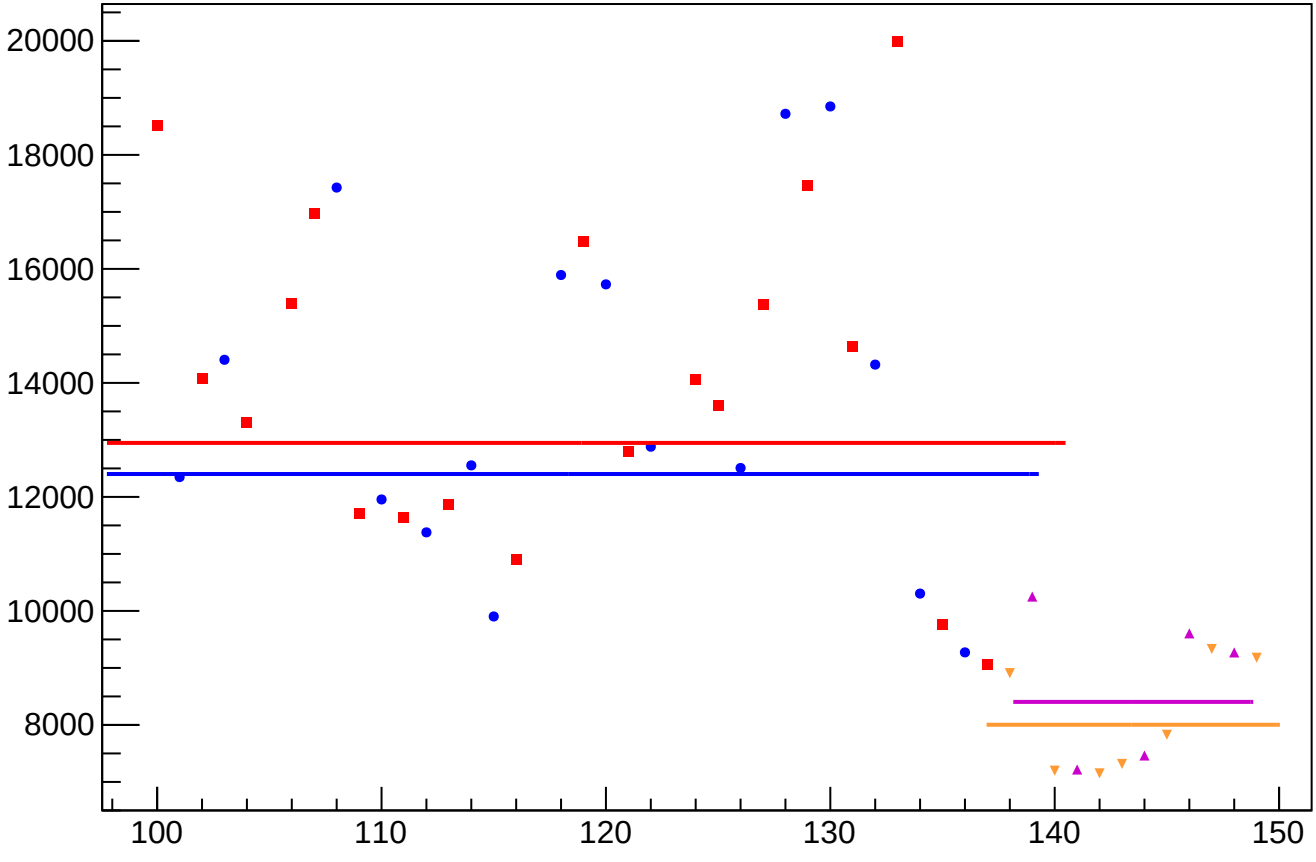
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.258+/-3.090 χ^2/NDF:27.7/20

Out: -1.795+/-2.834 χ^2/NDF:40.5/25

All: -2.006+/-2.089 χ^2/NDF: 68.2/46

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8002.913+/-2.473 χ^2/NDF:125081.4/6

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: 8173.308+/-1.875 χ^2/NDF: 309718.6/11

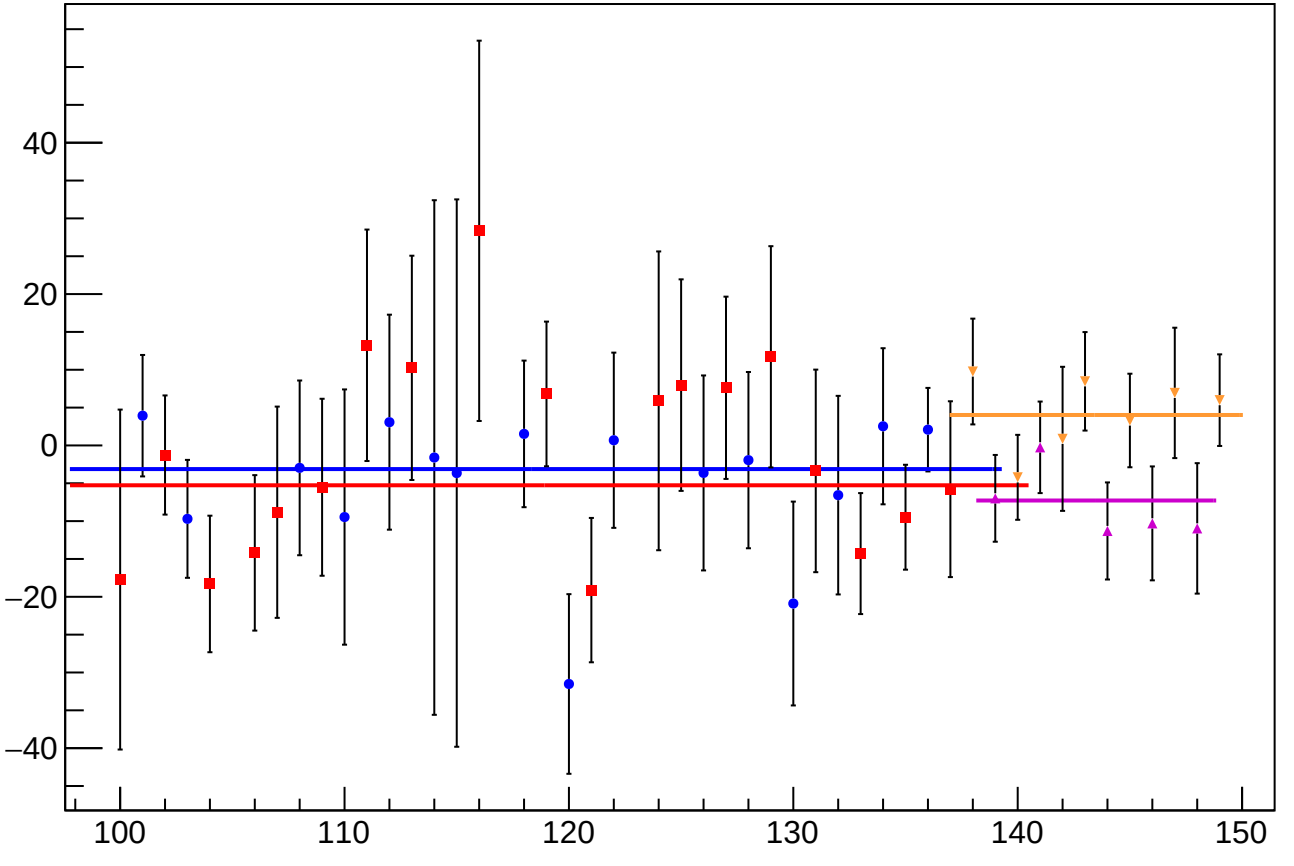
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10097.155+/-2.185 χ^2/NDF:1669064.1/20

Out: 9698.656+/-2.004 χ^2/NDF:2051778.3/25

All: 9880.739+/-1.477 χ^2/NDF: 3738907.3/46

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.024+/-2.550 χ^2/NDF:3.6/6

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: -0.766+/-1.935 χ^2/NDF: 14.1/11

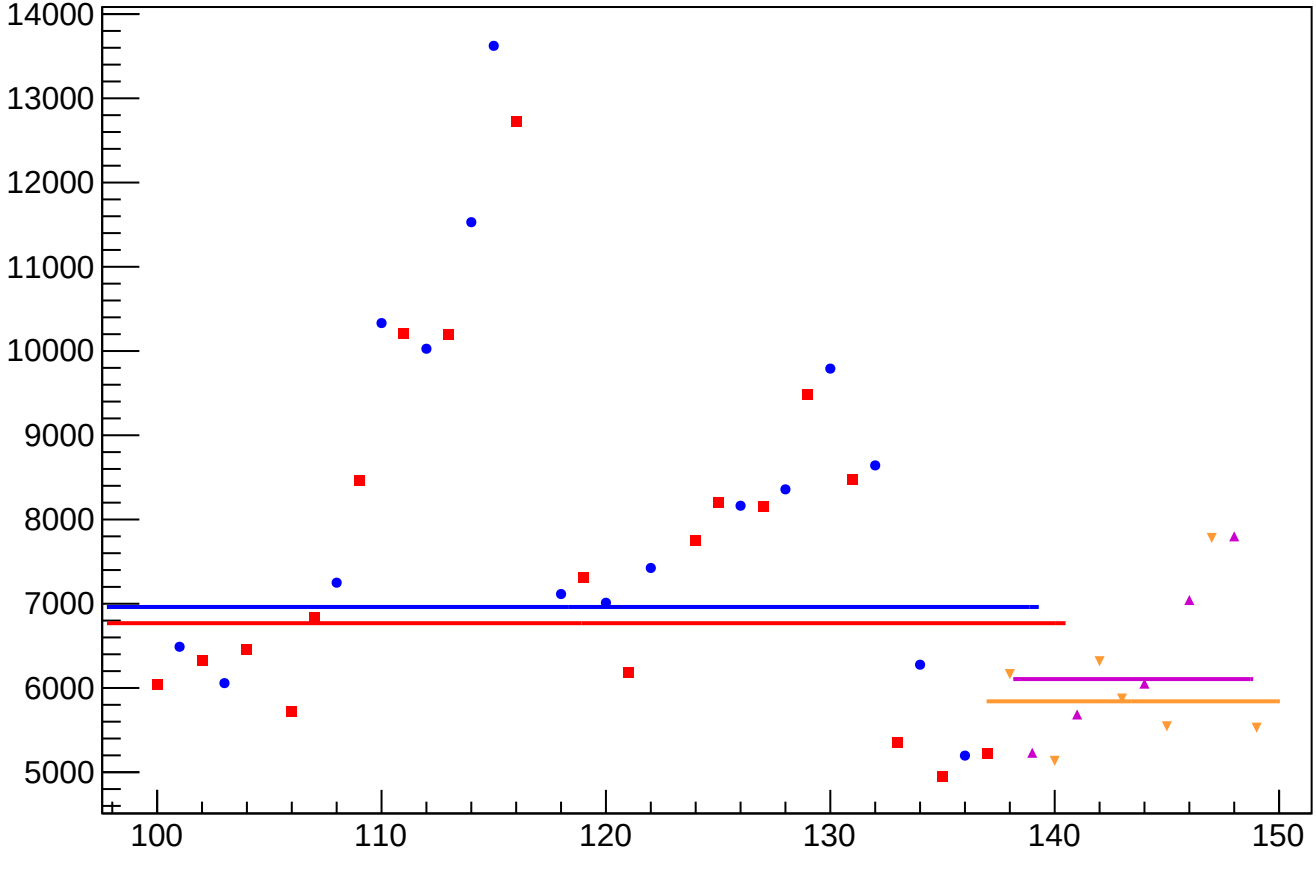
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -4.967+/-1.980 χ^2/NDF:14.1/20

Out: -0.614+/-1.804 χ^2/NDF:27.2/25

All: -2.588+/-1.334 χ^2/NDF: 43.9/46

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5841.649+/-1.803 χ^2/NDF:152418.9/6

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: 5953.530+/-1.368 χ^2/NDF: 326243.9/11

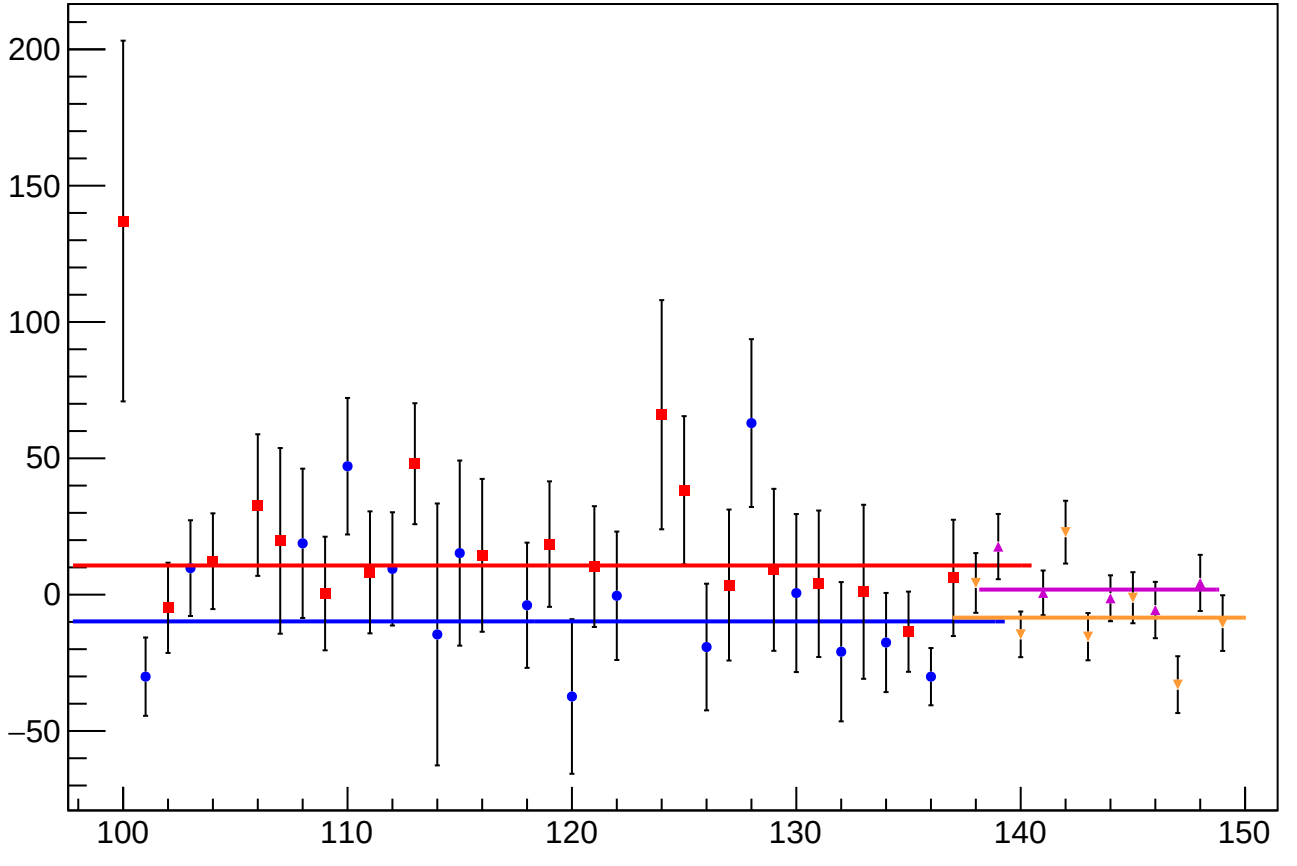
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6581.622+/-1.400 χ^2/NDF:953390.8/20

Out: 6304.686+/-1.276 χ^2/NDF:1082640.2/25

All: 6430.278+/-0.943 χ^2/NDF: 2057404.6/46

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -8.433+/-3.685 χ^2/NDF:16.1/6

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: -4.044+/-2.790 χ^2/NDF: 22.0/11

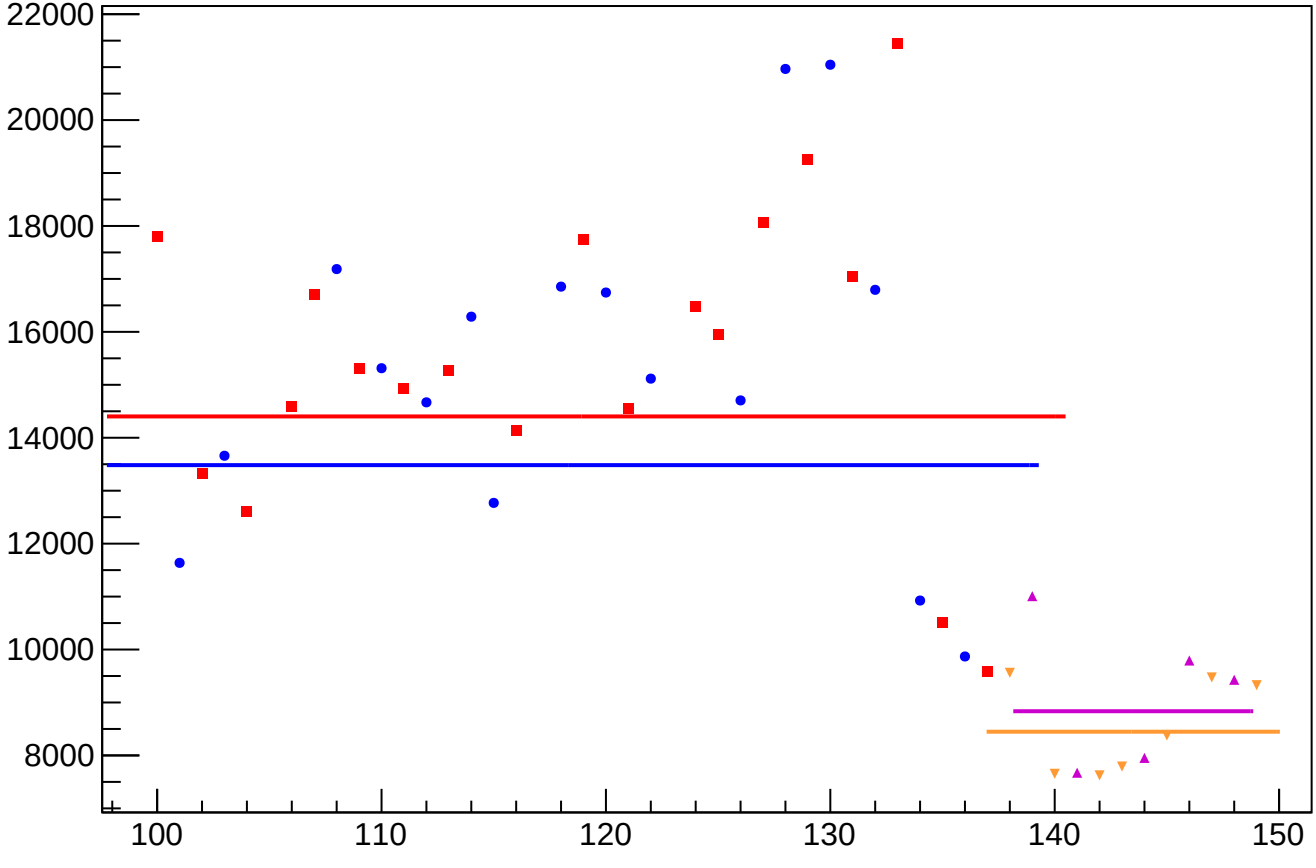
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.869+/-3.296 χ^2/NDF:27.5/20

Out: -2.324+/-3.040 χ^2/NDF:39.1/25

All: -2.574+/-2.235 χ^2/NDF: 66.6/46

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8447.990+/-2.605 χ^2/NDF:94714.7/6

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: 8613.006+/-1.973 χ^2/NDF: 256022.7/11

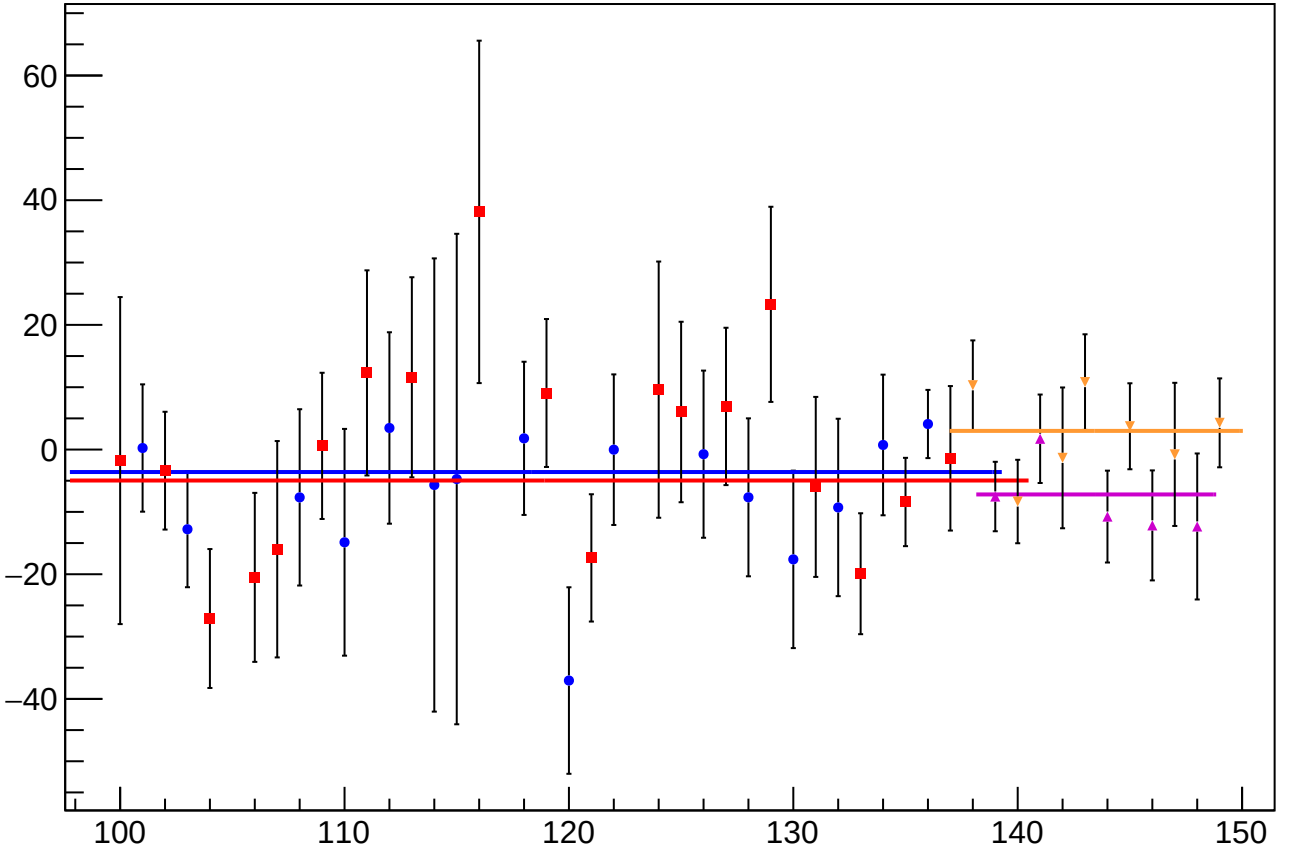
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10717.858+/-2.330 χ^2/NDF:1854243.2/20

Out: 10348.903+/-2.150 χ^2/NDF:2314730.9/25

All: 10518.515+/-1.580 χ^2/NDF: 4182516.5/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.994+/-2.952 χ^2/NDF:5.2/6

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: -1.506+/-2.206 χ^2/NDF: 12.8/11

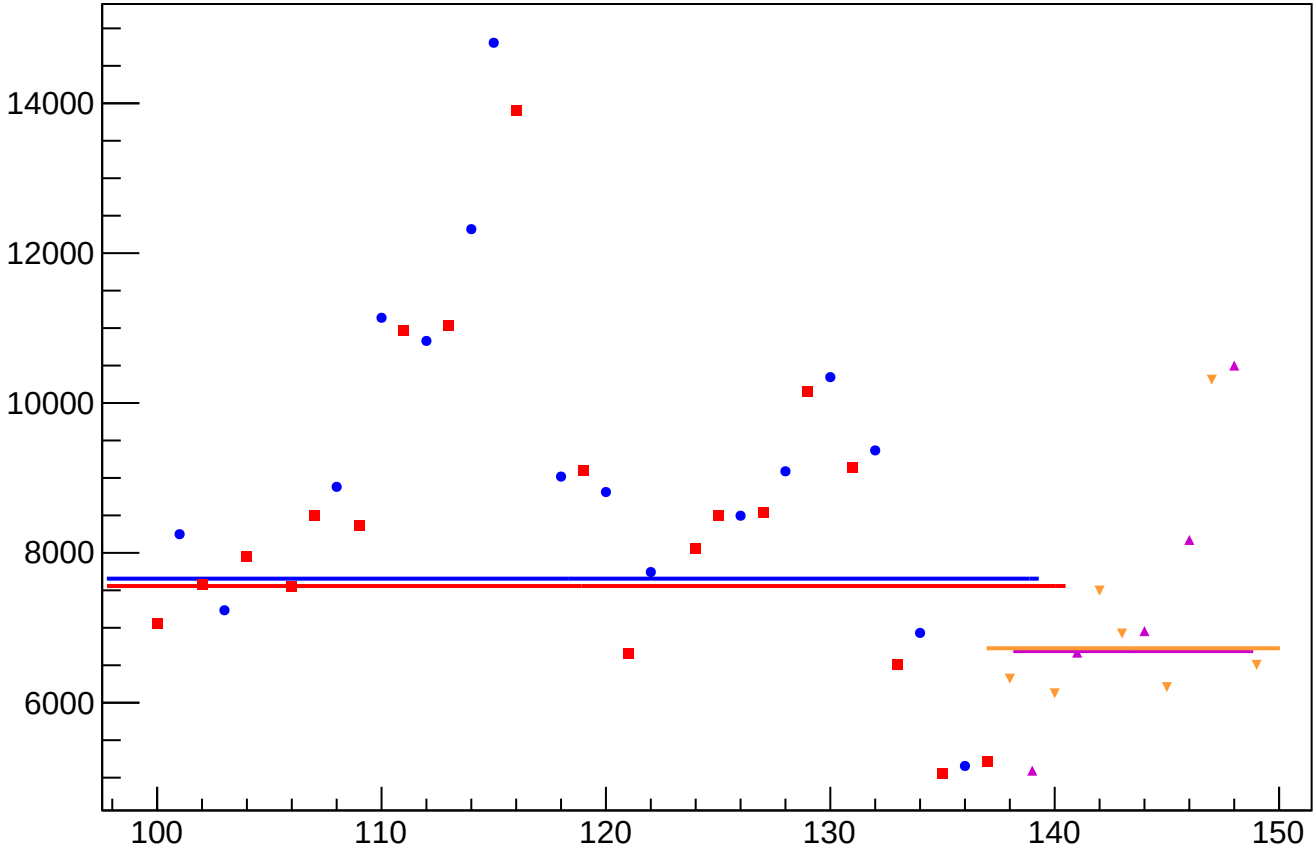
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -5.185+/-2.201 χ^2/NDF:13.5/20

Out: -1.118+/-2.052 χ^2/NDF:30.4/25

All: -3.009+/-1.501 χ^2/NDF: 45.7/46

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6726.725+/-2.087 χ^2/NDF:241274.3/6

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: 6709.967+/-1.560 χ^2/NDF: 676562.8/11

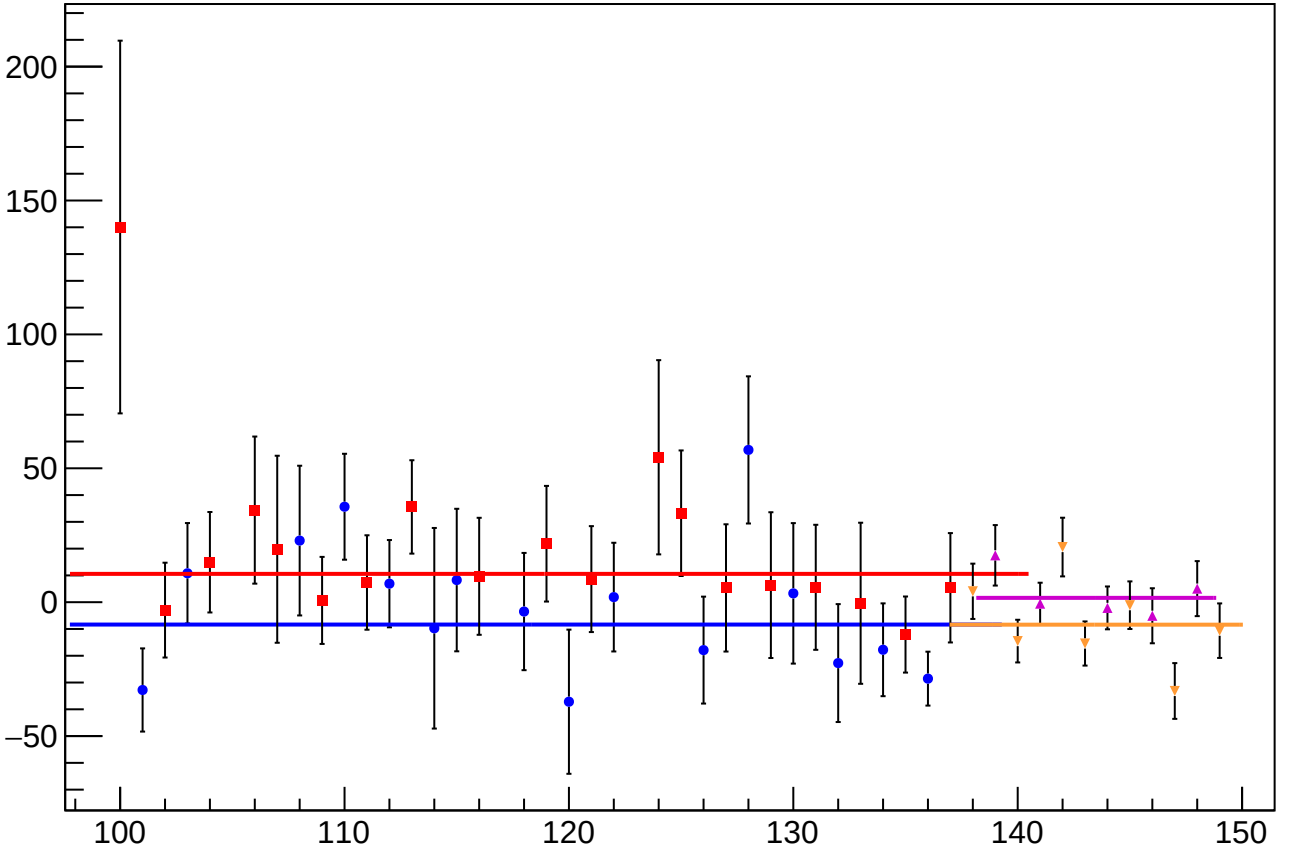
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7230.968+/-1.557 χ^2/NDF:1409992.5/20

Out: 7155.922+/-1.451 χ^2/NDF:1132969.0/25

All: 7190.820+/-1.061 χ^2/NDF: 2544205.0/46

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.395+/-3.542 χ^2/NDF:16.2/6

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: -4.144+/-2.687 χ^2/NDF: 22.4/11

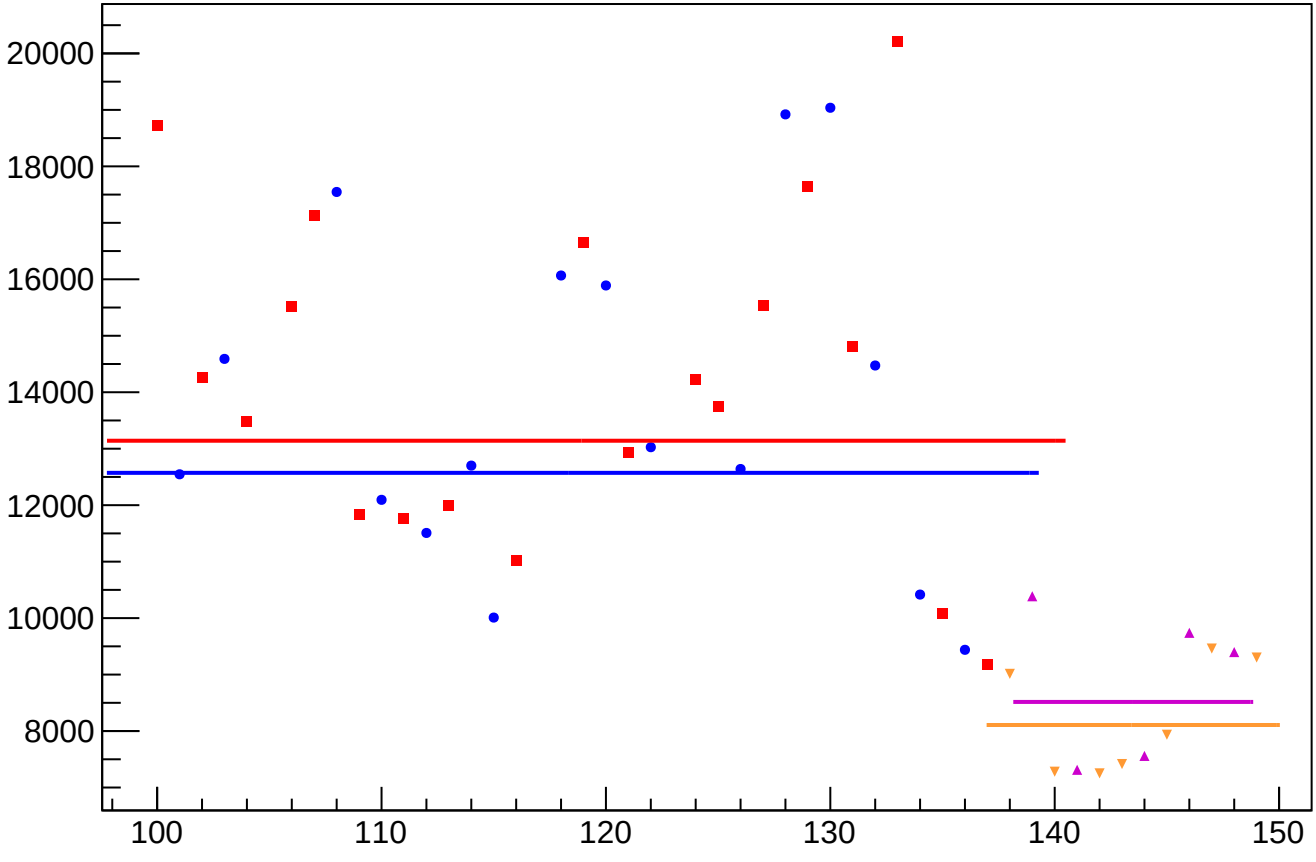
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.603+/-3.132 χ^2/NDF:28.5/20

Out: -1.903+/-2.873 χ^2/NDF:38.9/25

All: -2.223+/-2.117 χ^2/NDF: 67.4/46

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8107.249+/-2.505 χ^2/NDF:125337.4/6

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: 8280.682+/-1.900 χ^2/NDF: 310587.1/11

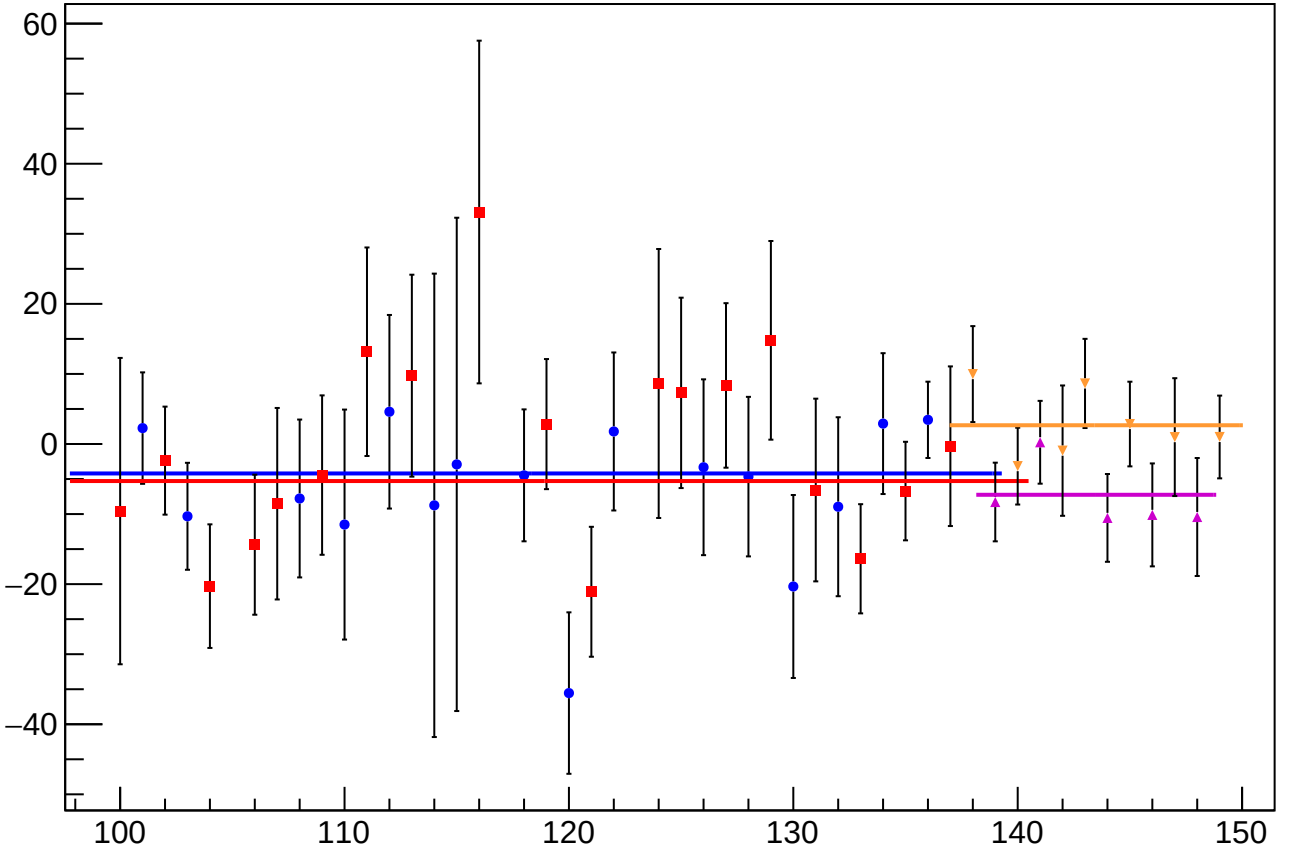
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10232.850+/-2.214 χ^2/NDF:1658242.5/20

Out: 9830.060+/-2.031 χ^2/NDF:2042358.2/25

All: 10014.124+/-1.497 χ^2/NDF: 3718565.8/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 2.676+/-2.492 χ^2/NDF:3.4/6

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: -1.531+/-1.891 χ^2/NDF: 12.4/11

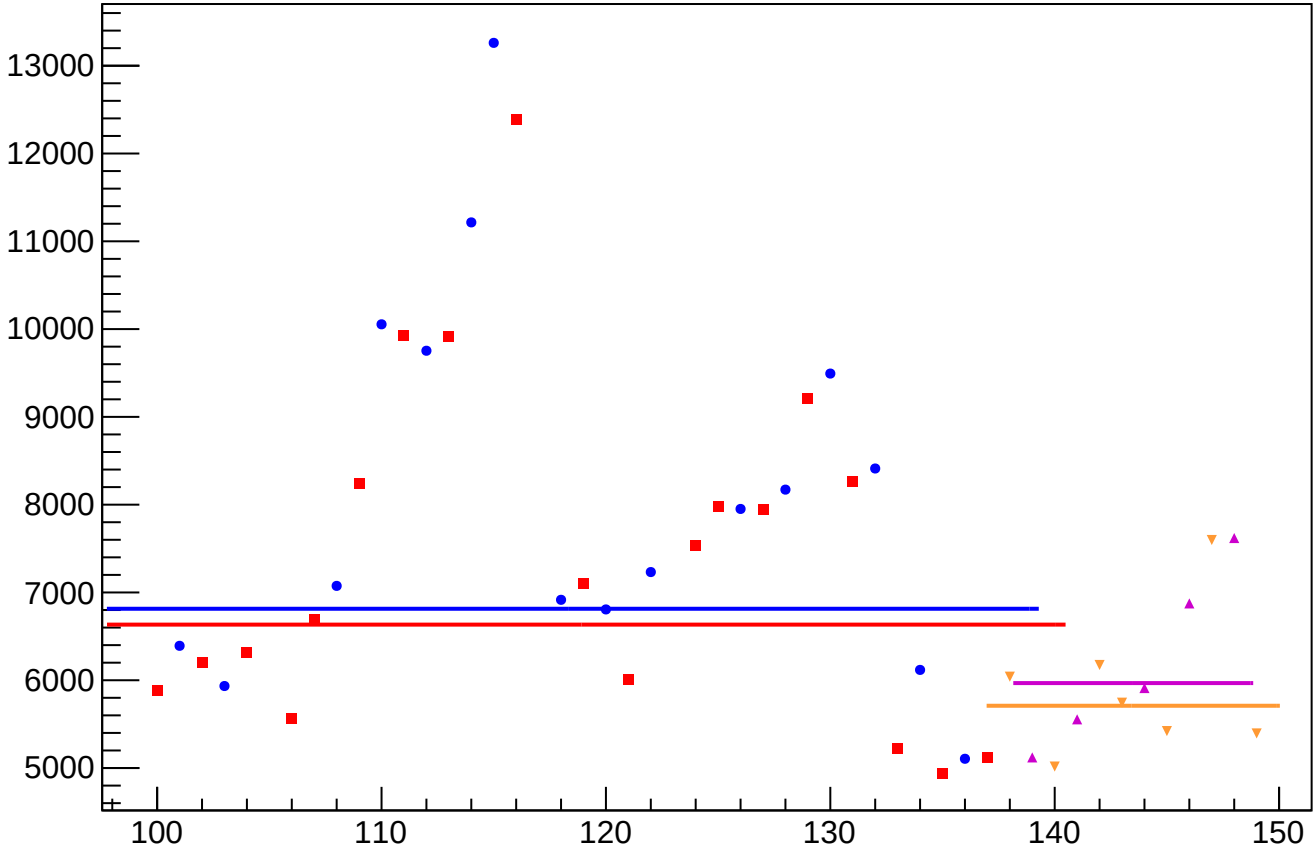
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -5.559+/-1.938 χ^2/NDF:16.7/20

Out: -1.290+/-1.766 χ^2/NDF:28.2/25

All: -3.226+/-1.305 χ^2/NDF: 47.6/46

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5709.485+/-1.762 χ^2/NDF:152678.7/6

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: 5818.929+/-1.337 χ^2/NDF: 324748.9/11

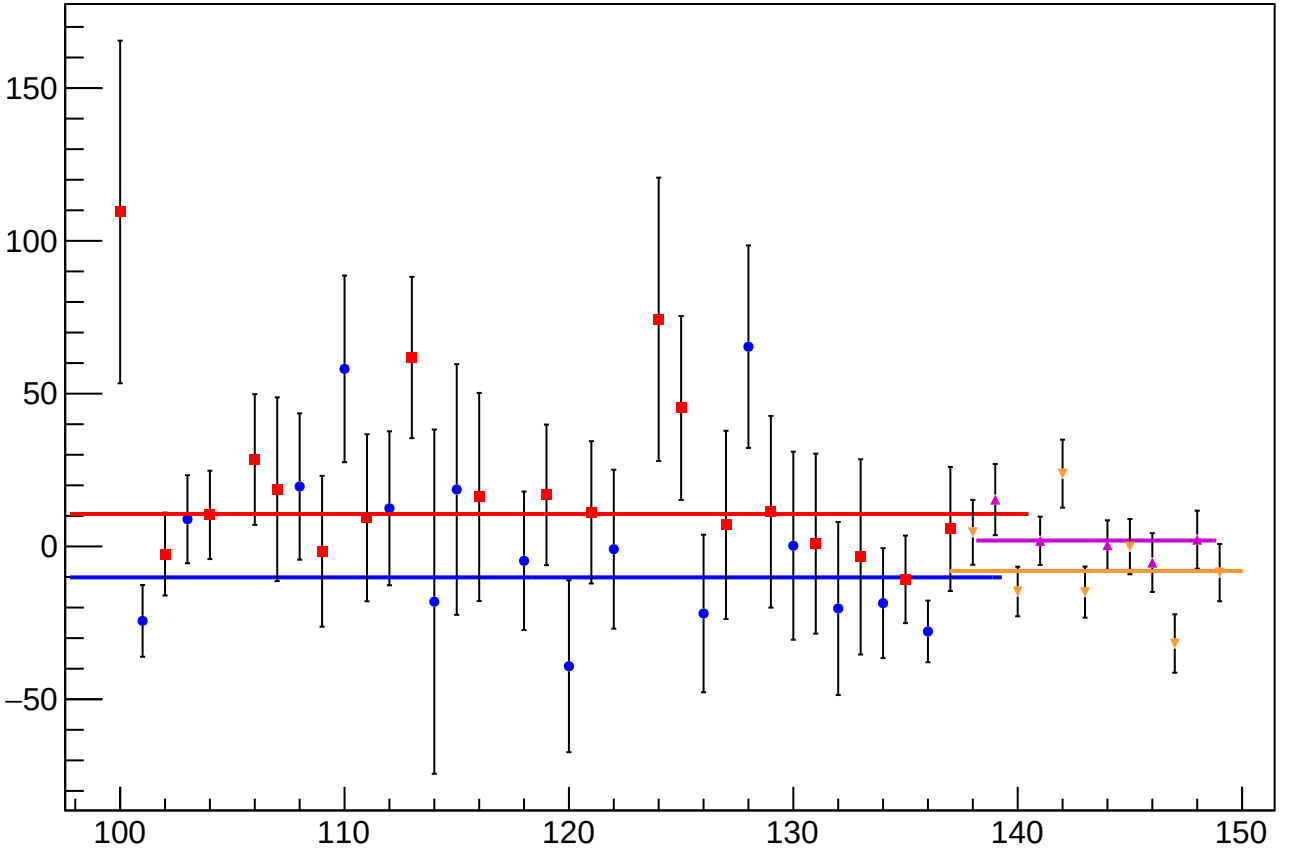
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6437.687+/-1.370 χ^2/NDF:931364.4/20

Out: 6169.713+/-1.248 χ^2/NDF:1053027.3/25

All: 6291.285+/-0.923 χ^2/NDF: 2005293.4/46

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -8.029+/-3.513 χ^2/NDF:17.9/6

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.941+/-4.065 χ^2/NDF:1.9/4

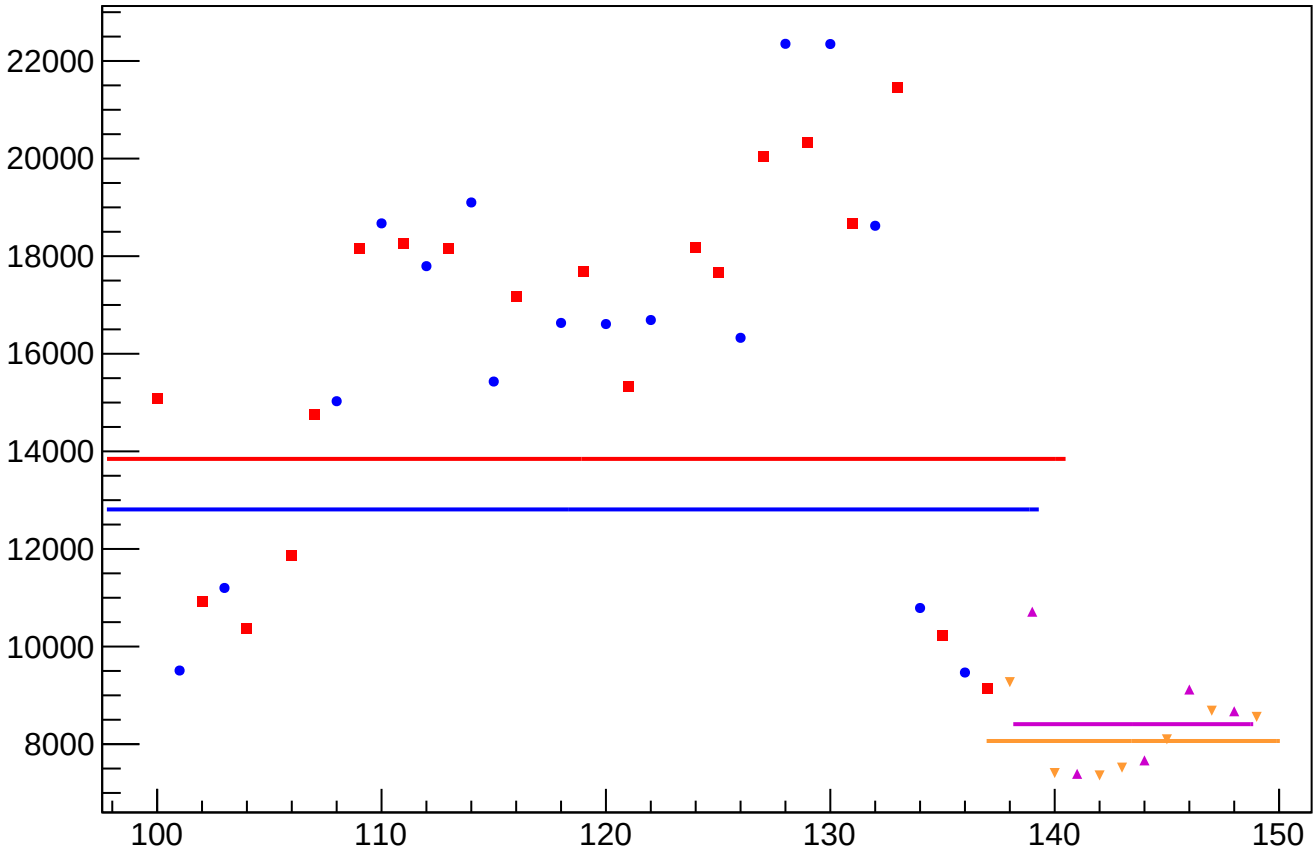
Left: -3.768+/-2.658 χ^2/NDF: 23.3/11

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.836+/-3.159 χ^2/NDF:26.7/20

Out: -2.302+/-2.924 χ^2/NDF:41.3/25

All: -2.548+/-2.146 χ^2/NDF: 68.0/46



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8064.705+/-2.484 χ^2/NDF:69522.6/6

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8409.492+/-2.875 χ^2/NDF:140666.3/4

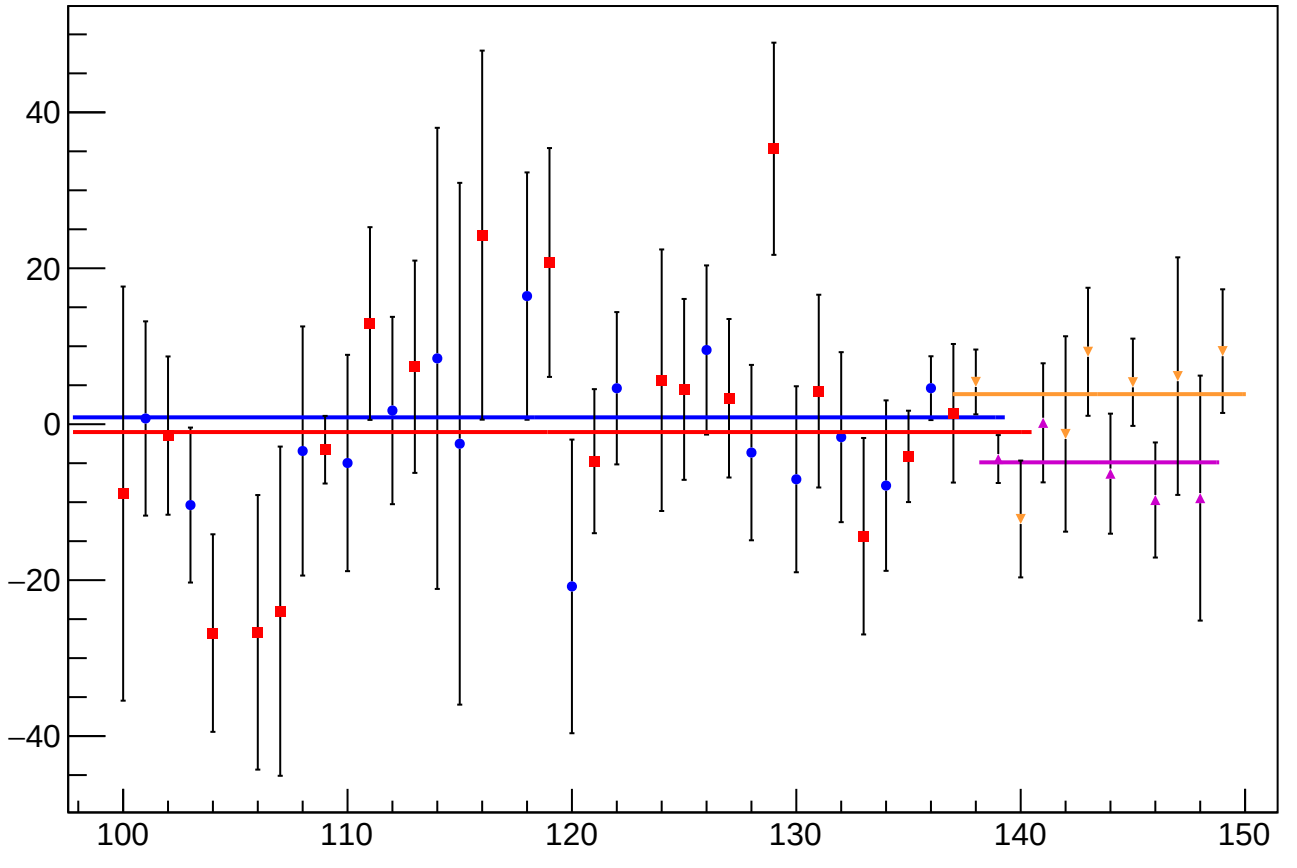
Left: 8212.080+/-1.879 χ^2/NDF: 218425.8/11

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 10153.544+/-2.233 χ^2/NDF:2317667.5/20

Out: 9839.772+/-2.068 χ^2/NDF:2829492.9/25

All: 9984.571+/-1.517 χ^2/NDF: 5157788.9/46



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.857+/-2.590 χ^2/NDF:5.9/6

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: -0.703+/-1.792 χ^2/NDF: 12.8/11

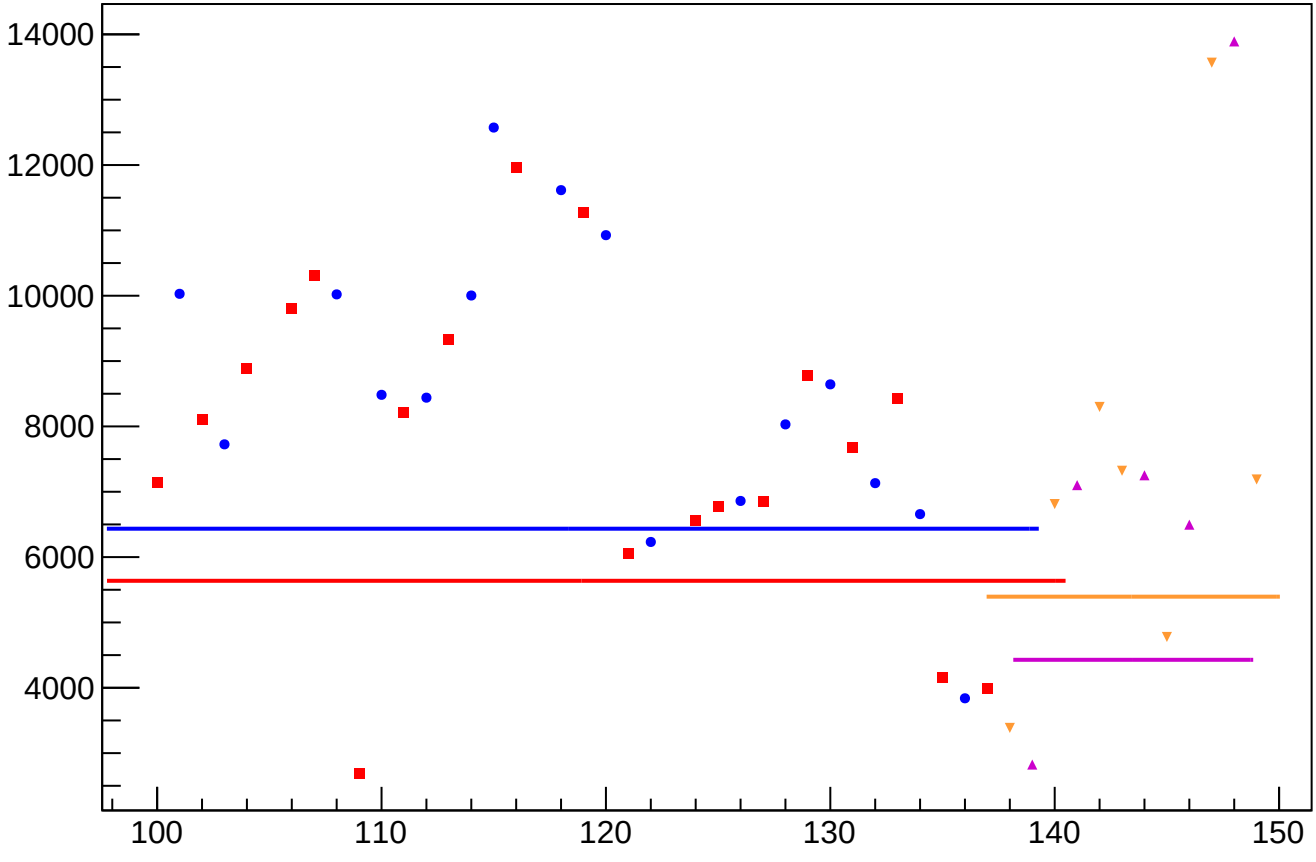
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -2.101+/-1.784 χ^2/NDF:10.4/20

Out: 1.153+/-1.726 χ^2/NDF:30.2/25

All: -0.420+/-1.240 χ^2/NDF: 42.3/46

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5394.510+/-1.831 χ^2/NDF:1458379.7/6

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4428.240+/-1.755 χ^2/NDF:1941241.4/4

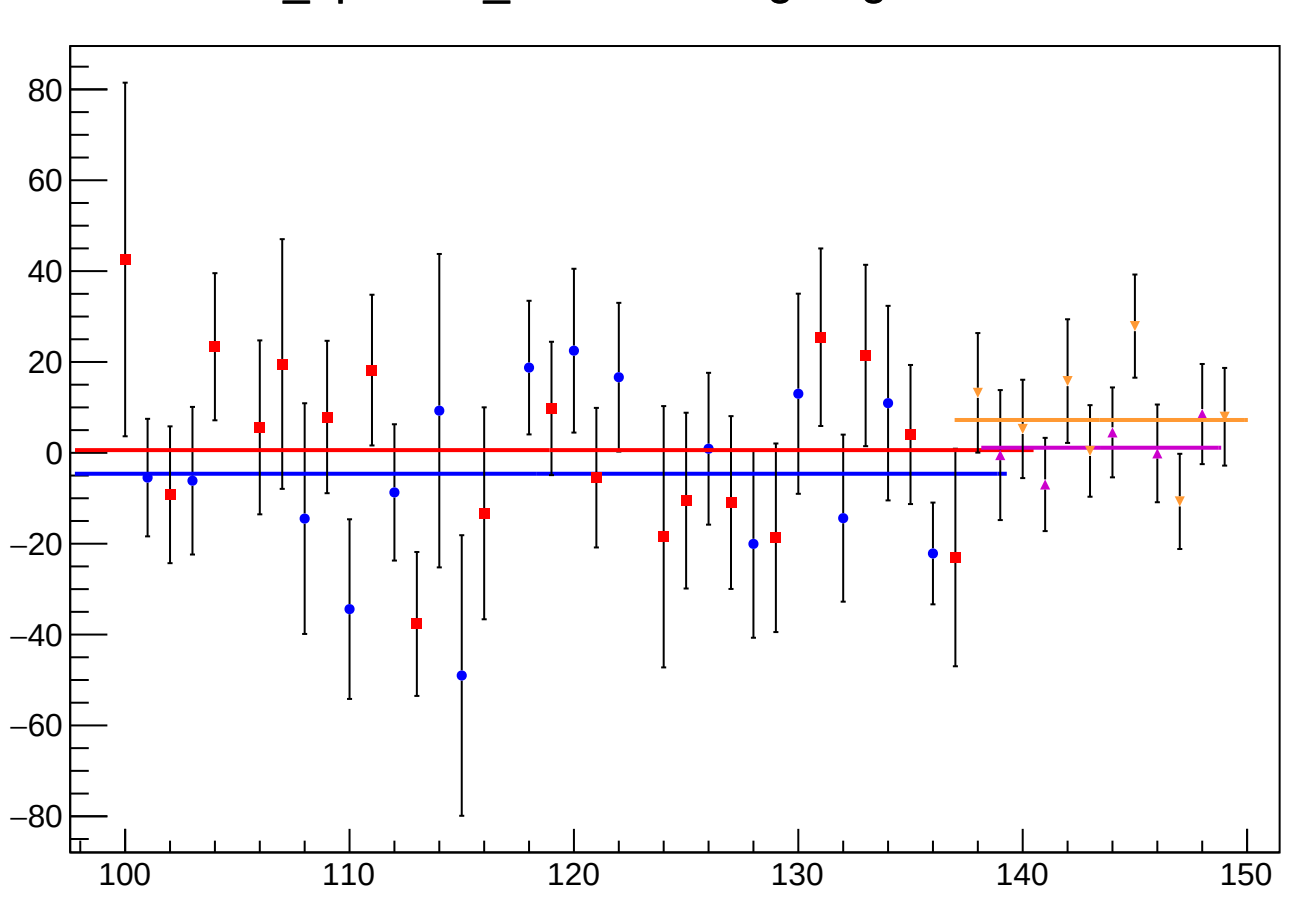
Left: 4890.795+/-1.267 χ^2/NDF: 3544752.1/11

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

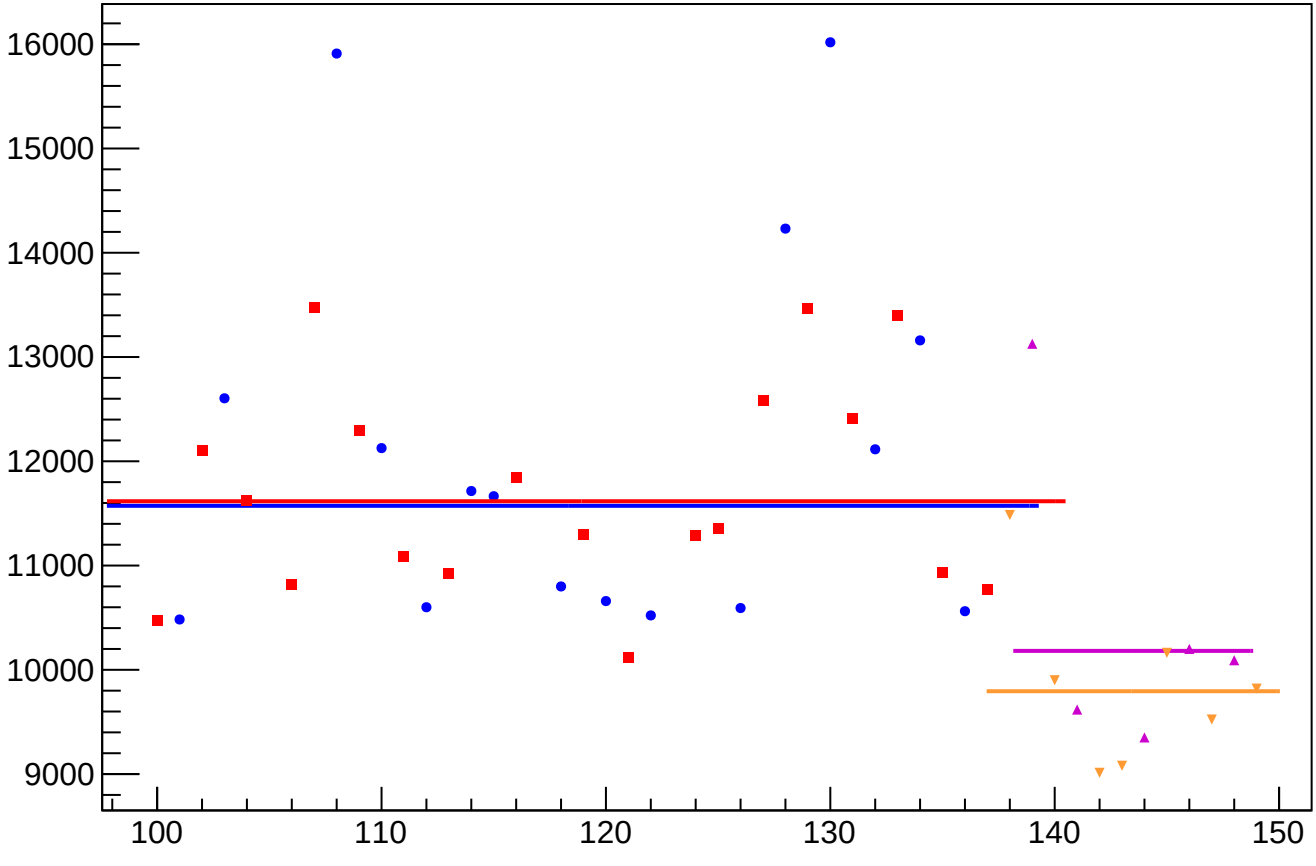
In: 5397.911+/-1.261 χ^2/NDF:4323568.9/20

Out: 5529.550+/-1.220 χ^2/NDF:4048171.2/25

All: 5465.922+/-0.877 χ^2/NDF: 8377366.5/46


diff_bpm11X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: 7.232+/-4.261 χ²/NDF:7.3/6
Right Out: 0.600+/-4.266 χ²/NDF: 17.9/18
Left In: 1.126+/-4.911 χ²/NDF:1.2/4
Left: 4.609+/-3.219 χ²/NDF: 9.4/11
Right: -1.948+/-3.048 χ²/NDF: 34.4/34
In: -2.080+/-3.258 χ²/NDF:17.8/20
Out: 3.920+/-3.015 χ²/NDF:26.4/25
All: 1.152+/-2.213 χ²/NDF: 46.0/46

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9794.707+/-3.013 χ^2/NDF:53314.8/6

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10181.539+/-3.472 χ^2/NDF:105006.8/4

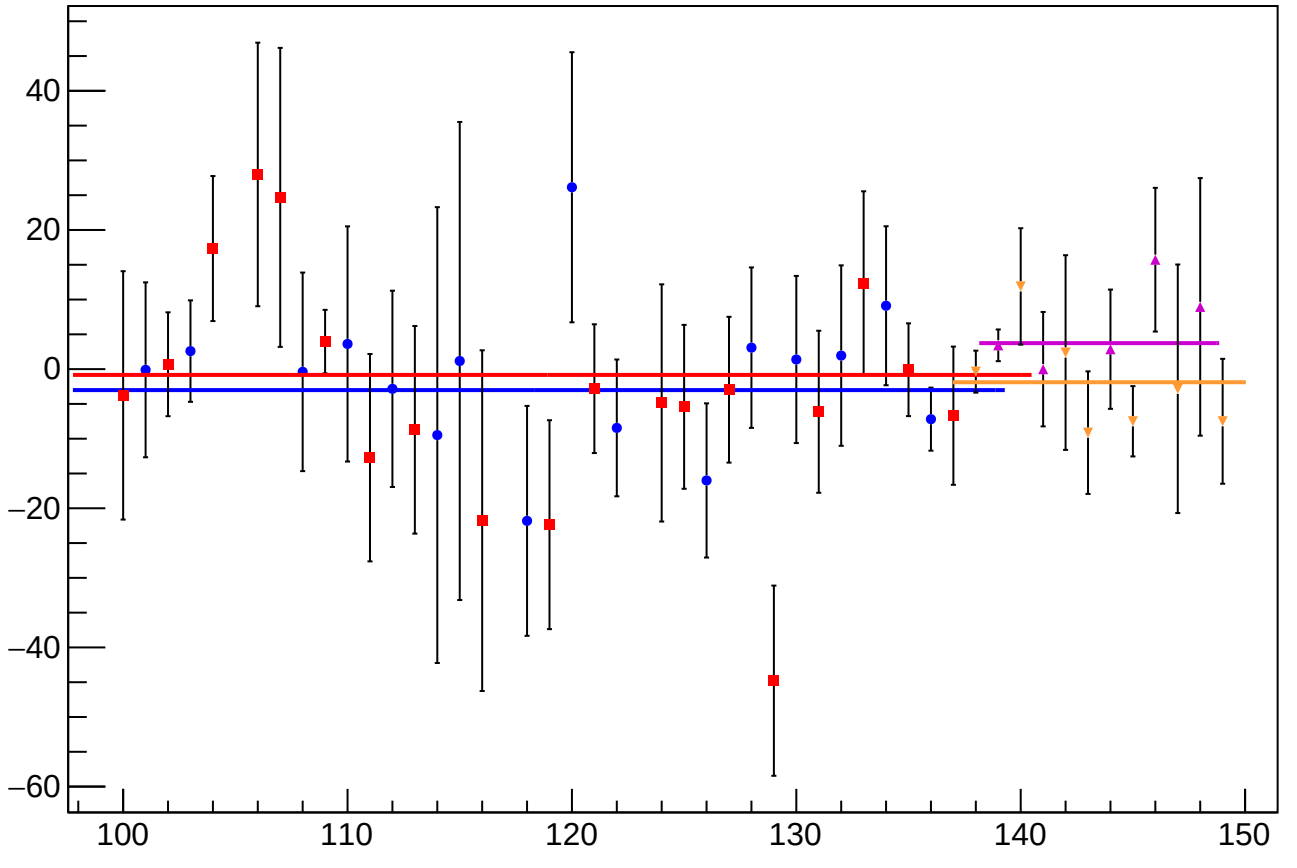
Left: 9960.875+/-2.276 χ^2/NDF: 165400.9/11

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 10960.512+/-2.304 χ^2/NDF:454972.9/20

Out: 10704.656+/-2.132 χ^2/NDF:329080.9/25

All: 10822.684+/-1.565 χ^2/NDF: 790697.6/46



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.884+/-2.254 χ^2/NDF:5.4/6

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: 1.163+/-1.525 χ^2/NDF: 10.4/11

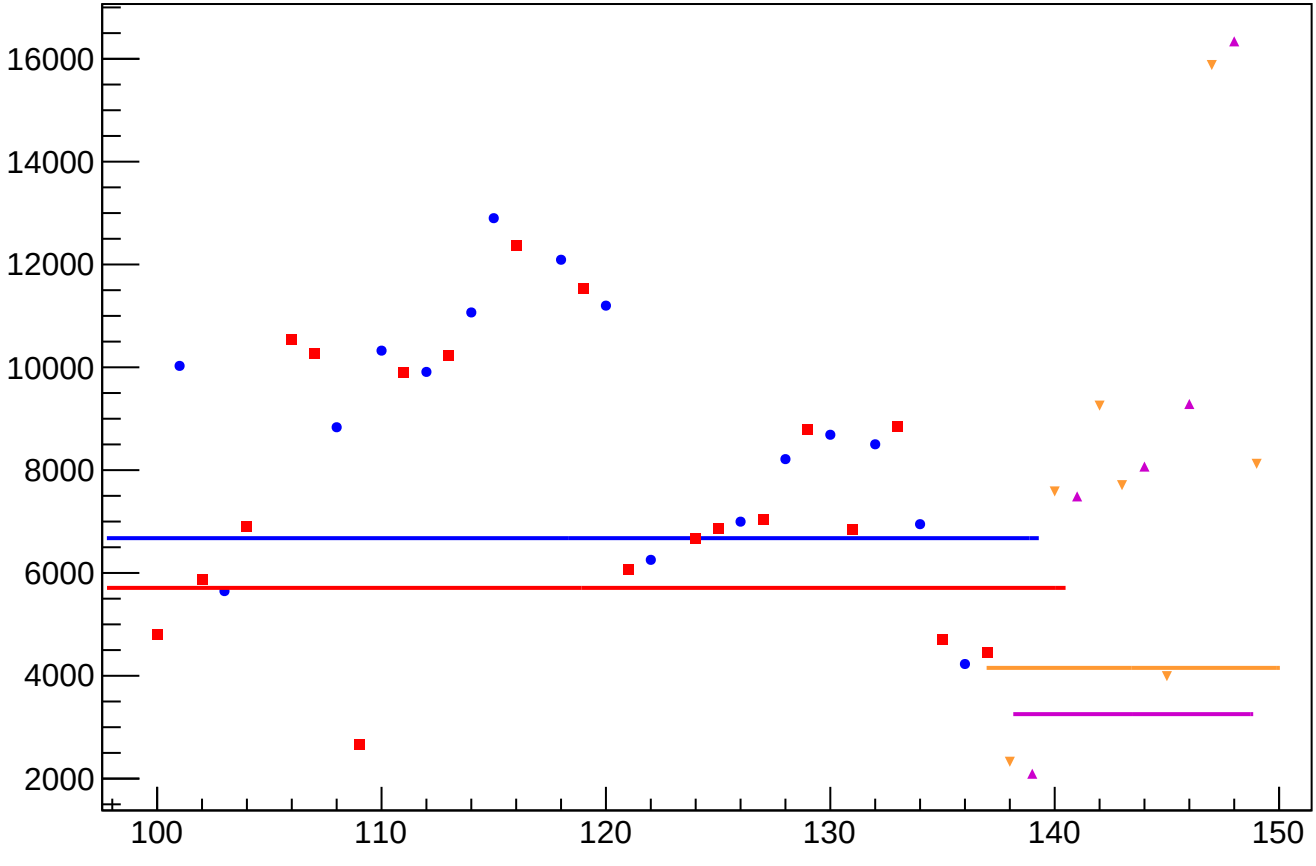
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 1.181+/-1.633 χ^2/NDF:14.3/20

Out: -1.380+/-1.627 χ^2/NDF:29.3/25

All: -0.104+/-1.153 χ^2/NDF: 44.9/46

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4153.808+/-1.594 χ^2/NDF:2914956.4/6

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: 3666.084+/-1.079 χ^2/NDF: 6447766.7/11

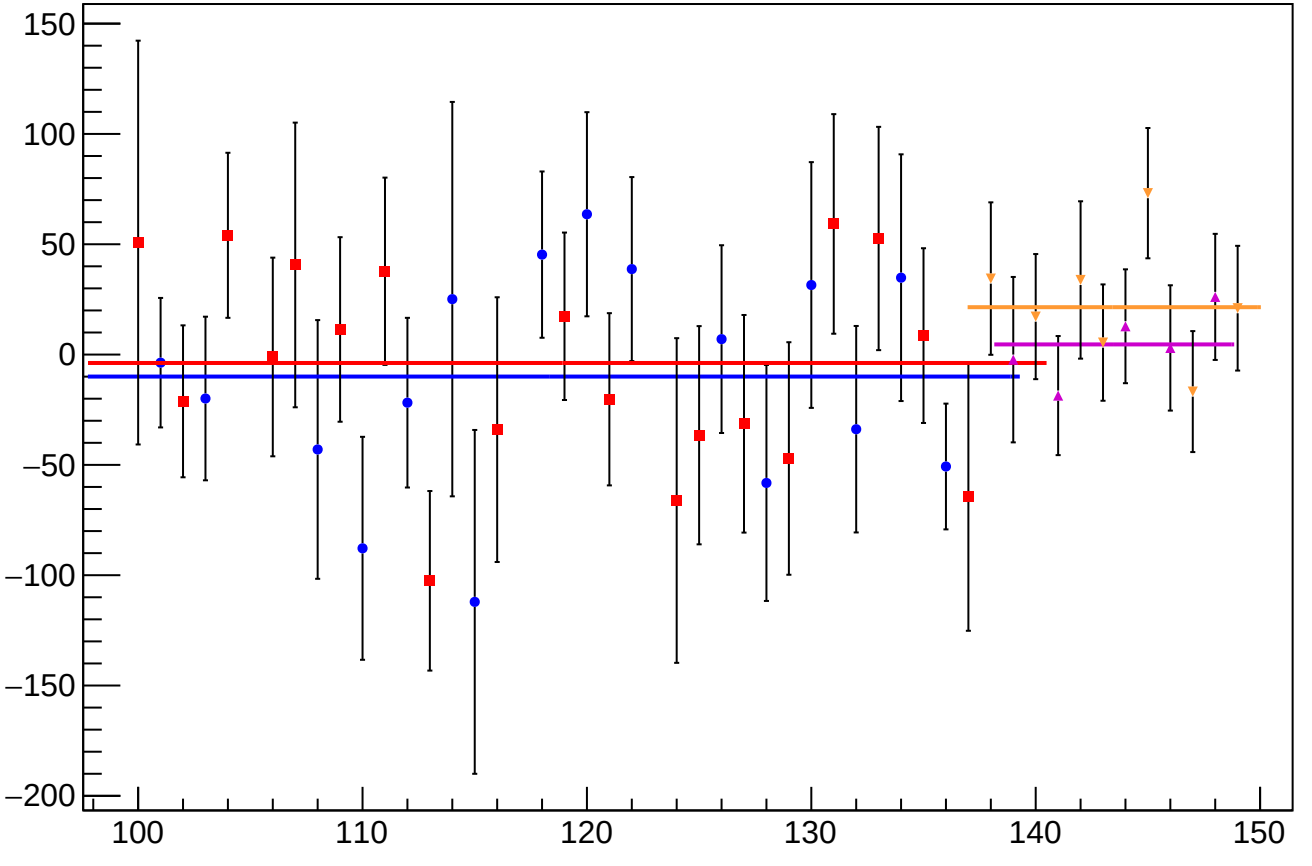
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4549.957+/-1.155 χ^2/NDF:7000114.1/20

Out: 4898.883+/-1.151 χ^2/NDF:5672348.1/25

All: 4725.028+/-0.815 χ^2/NDF: 12718279.7/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.473+/-11.156 χ^2/NDF:5.7/6

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.602+/-12.856 χ^2/NDF:1.4/4

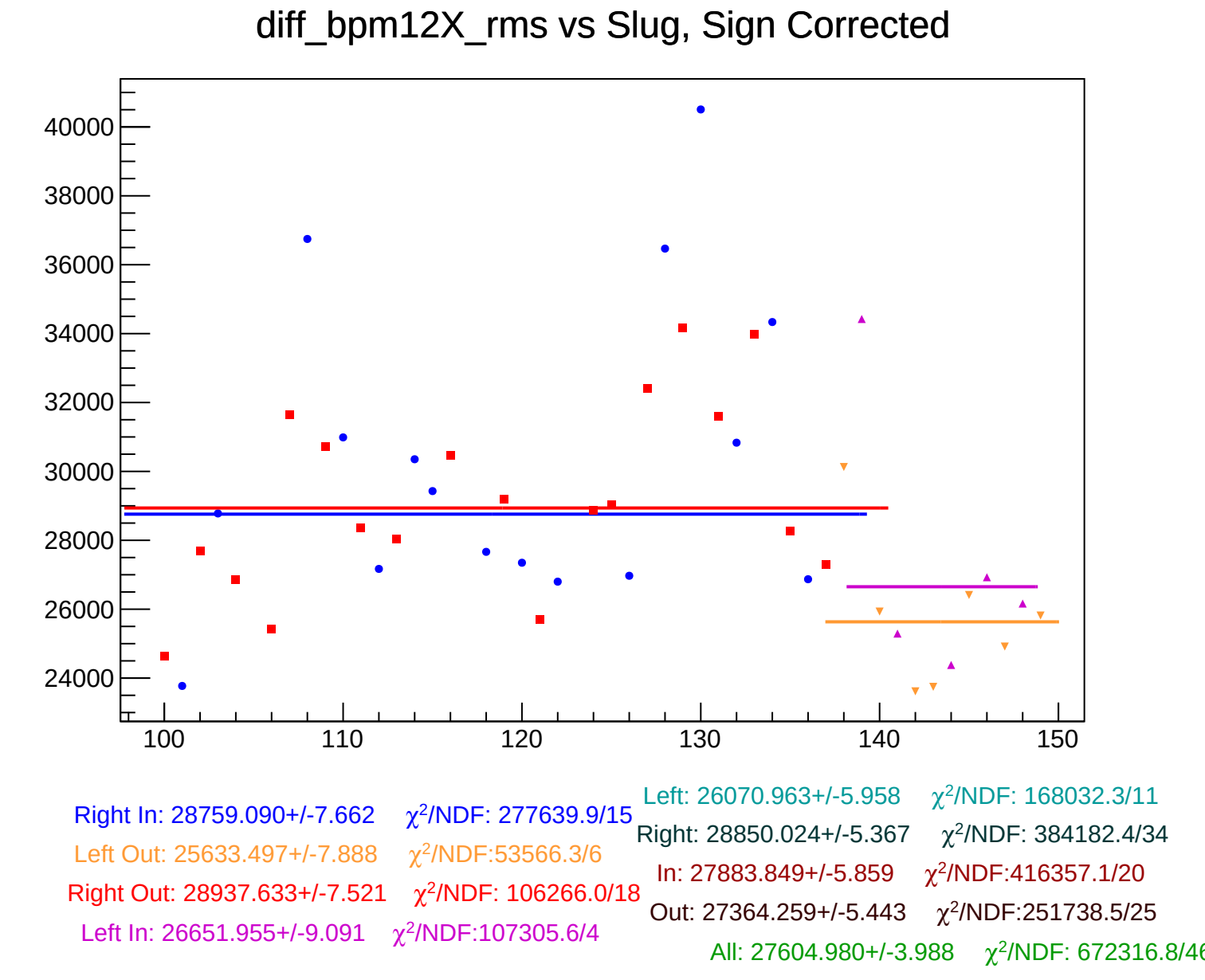
Left: 14.226+/-8.426 χ^2/NDF: 8.1/11

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

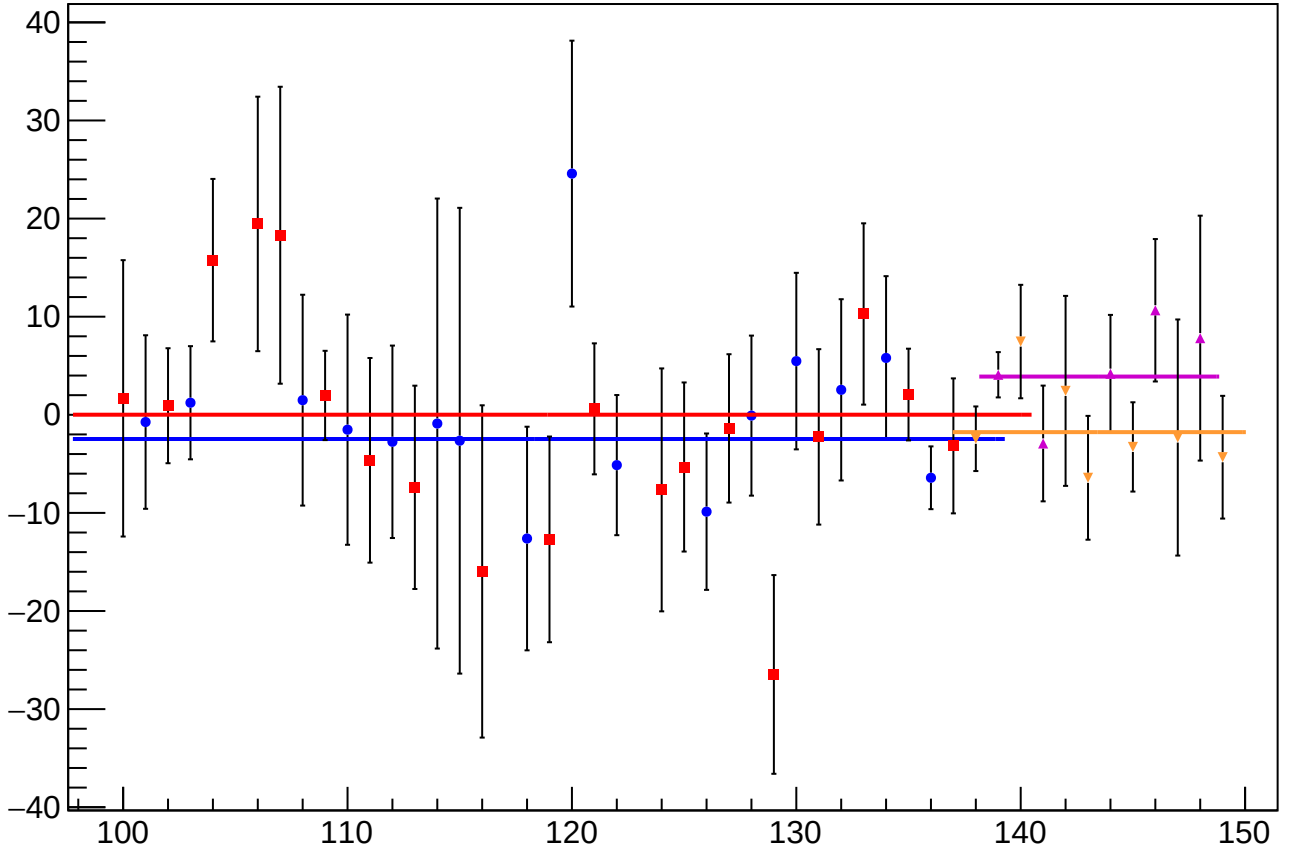
In: -3.917+/-8.286 χ^2/NDF:17.5/20

Out: 8.228+/-7.698 χ^2/NDF:25.6/25

All: 2.601+/-5.640 χ^2/NDF: 44.3/46


diff_bpm12X_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: 25633.497+/-7.888 χ²/NDF:53566.3/6
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 26651.955+/-9.091 χ²/NDF:107305.6/4
Left: 26070.963+/-5.958 χ²/NDF: 168032.3/11
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 27883.849+/-5.859 χ²/NDF:416357.1/20
Out: 27364.259+/-5.443 χ²/NDF:251738.5/25
All: 27604.980+/-3.988 χ²/NDF: 672316.8/46

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.767+/-2.047 χ^2/NDF:3.6/6

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 3.897+/-1.926 χ^2/NDF:2.3/4

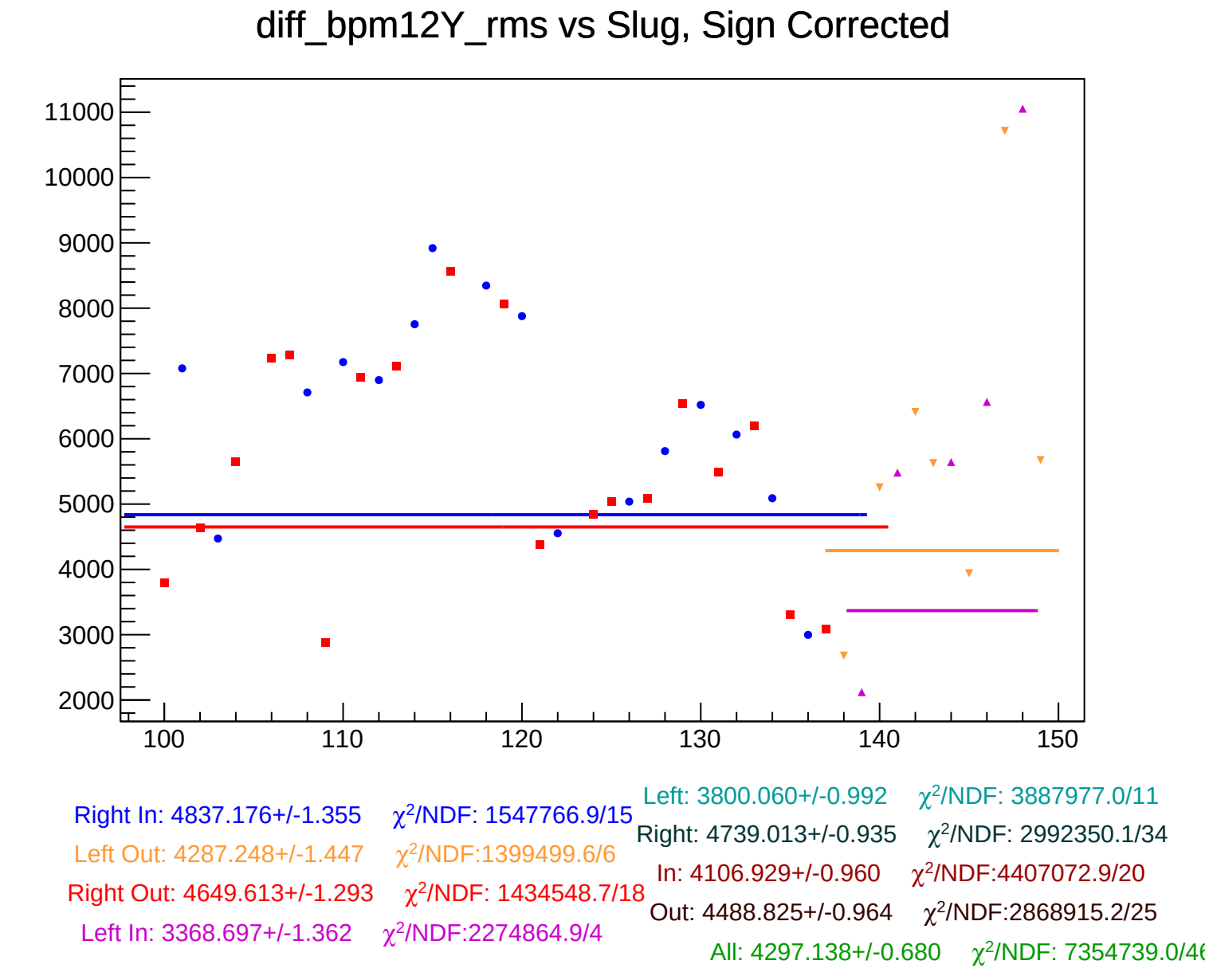
Left: 1.237+/-1.403 χ^2/NDF: 10.0/11

Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

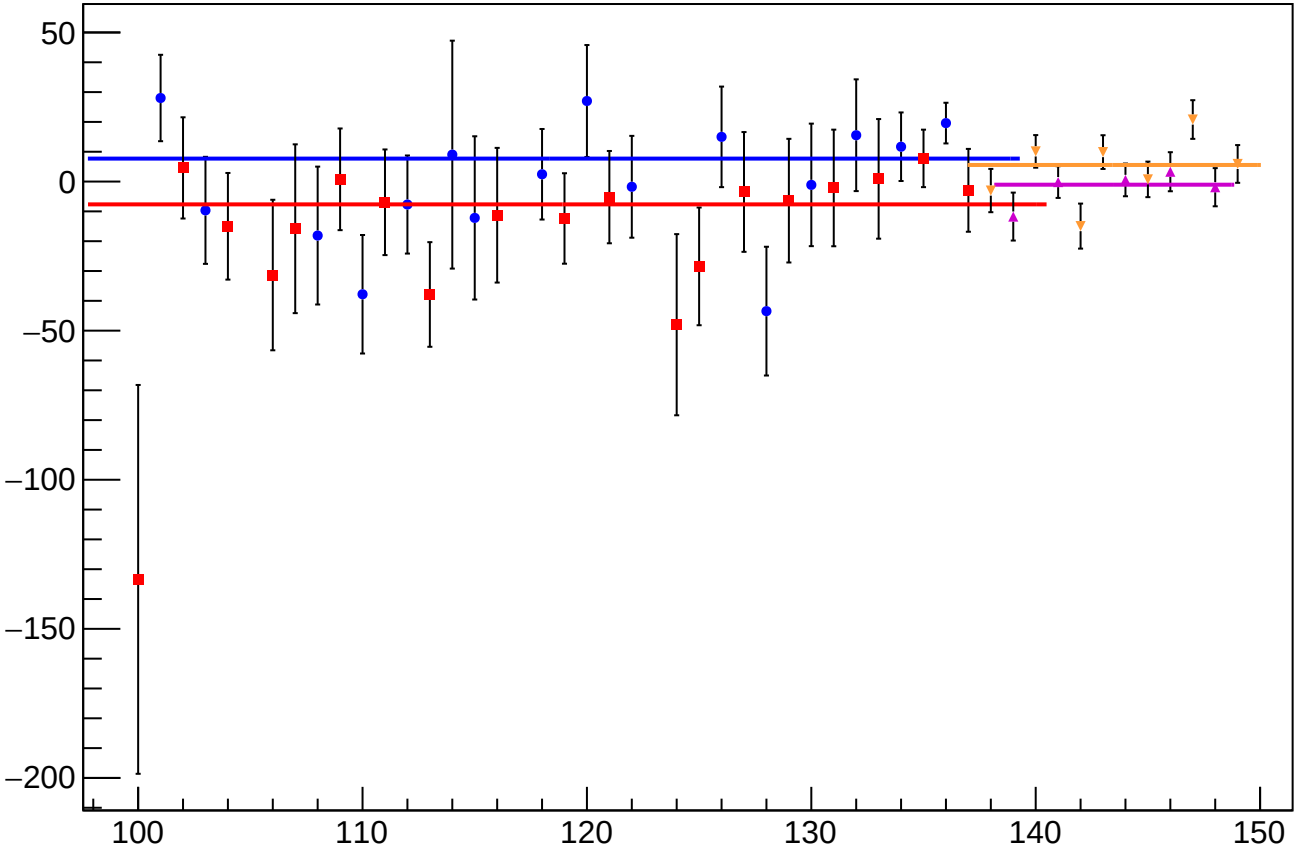
In: 0.697+/-1.358 χ^2/NDF:17.8/20

Out: -0.779+/-1.364 χ^2/NDF:24.0/25

All: -0.038+/-0.962 χ^2/NDF: 42.4/46


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: 4287.248+/-1.447 χ²/NDF:1399499.6/6
Right Out: 4649.613+/-1.293 χ²/NDF: 1434548.7/18
Left In: 3368.697+/-1.362 χ²/NDF:2274864.9/4
Left: 3800.060+/-0.992 χ²/NDF: 3887977.0/11
Right: 4739.013+/-0.935 χ²/NDF: 2992350.1/34
In: 4106.929+/-0.960 χ²/NDF:4407072.9/20
Out: 4488.825+/-0.964 χ²/NDF:2868915.2/25
All: 4297.138+/-0.680 χ²/NDF: 7354739.0/46

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.563+/-2.369 χ^2/NDF:16.2/6

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: 2.750+/-1.796 χ^2/NDF: 21.9/11

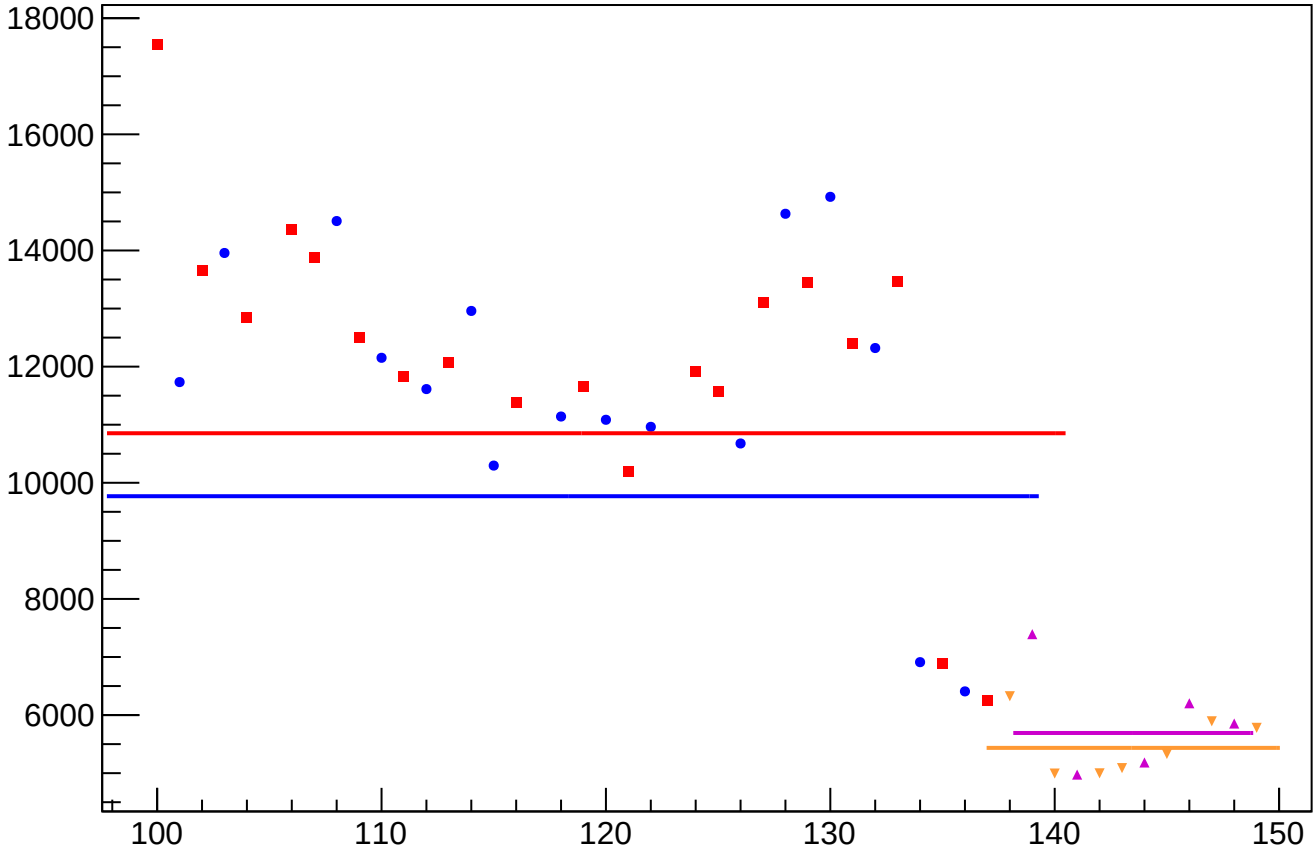
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.941+/-2.234 χ^2/NDF:27.4/20

Out: 2.255+/-2.051 χ^2/NDF:38.6/25

All: 2.112+/-1.511 χ^2/NDF: 66.0/46

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5435.365+/-1.675 χ^2/NDF:73967.3/6

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: 5544.430+/-1.270 χ^2/NDF: 240548.8/11

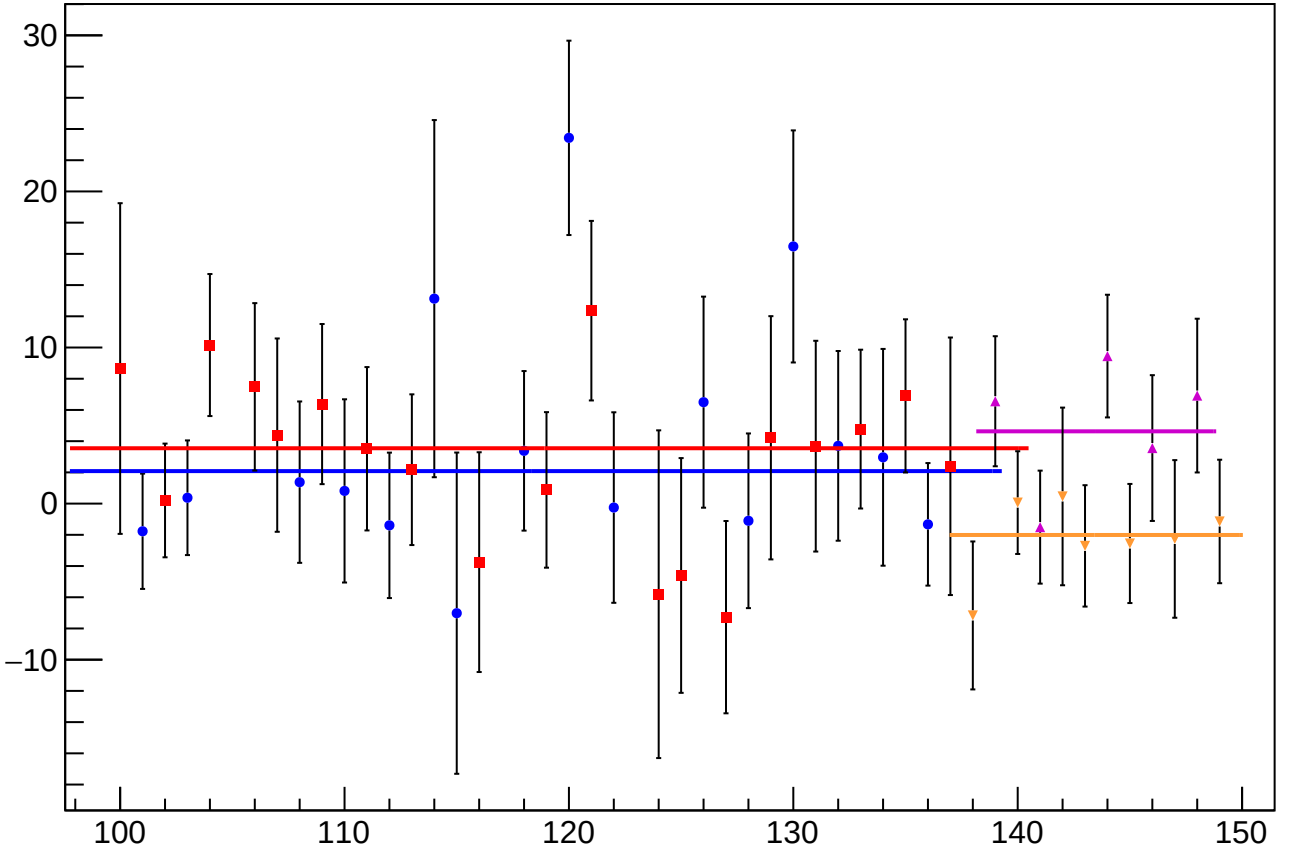
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 7086.317+/-1.580 χ^2/NDF:2869378.8/20

Out: 6791.768+/-1.450 χ^2/NDF:3567209.4/25

All: 6926.497+/-1.068 χ^2/NDF: 6455453.6/46

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.010+/-1.570 χ^2/NDF:1.9/6

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: 0.734+/-1.203 χ^2/NDF: 14.1/11

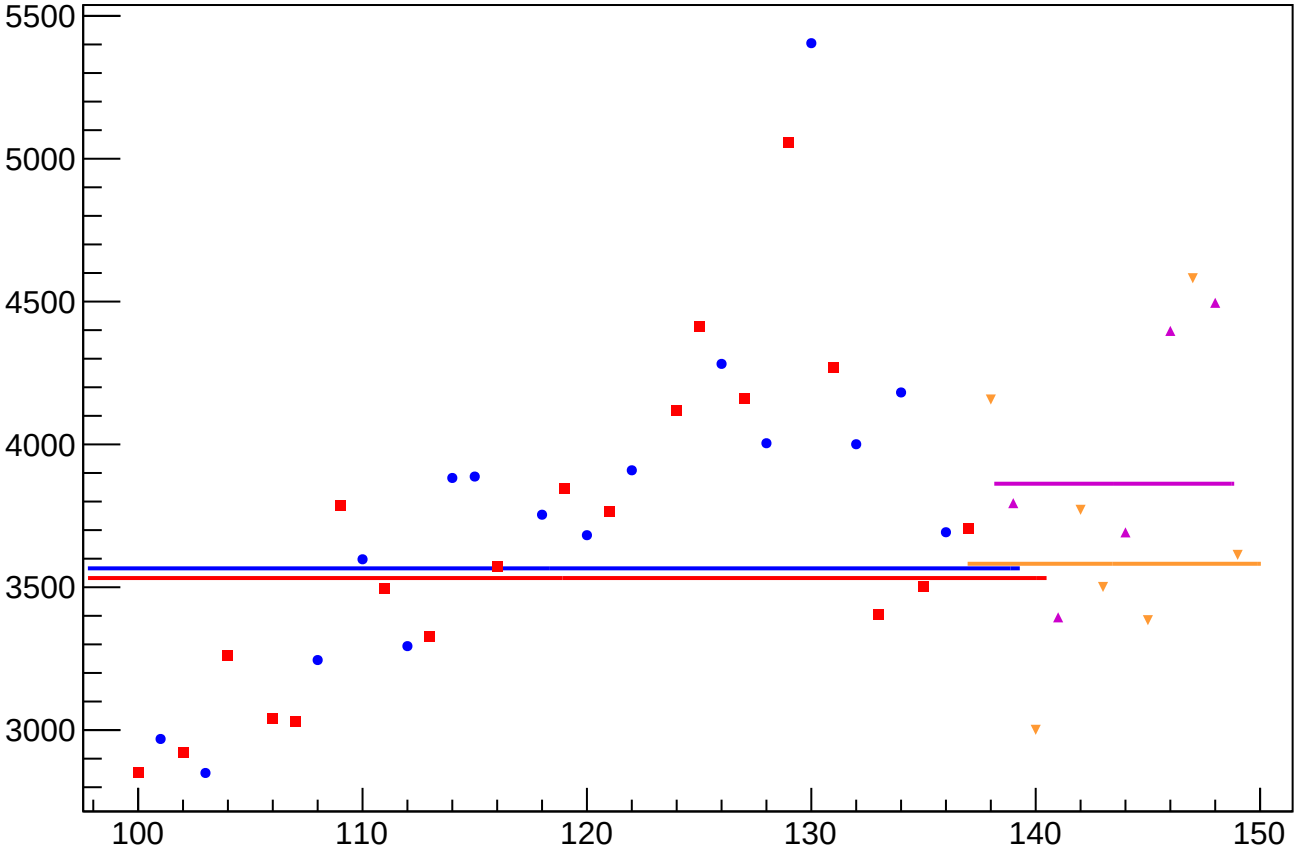
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.951+/-1.092 χ^2/NDF:27.0/20

Out: 1.278+/-1.003 χ^2/NDF:22.7/25

All: 2.043+/-0.739 χ^2/NDF: 51.0/46

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3582.191+/-1.110 χ^2/NDF:178747.7/6

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: 3698.000+/-0.850 χ^2/NDF: 302069.4/11

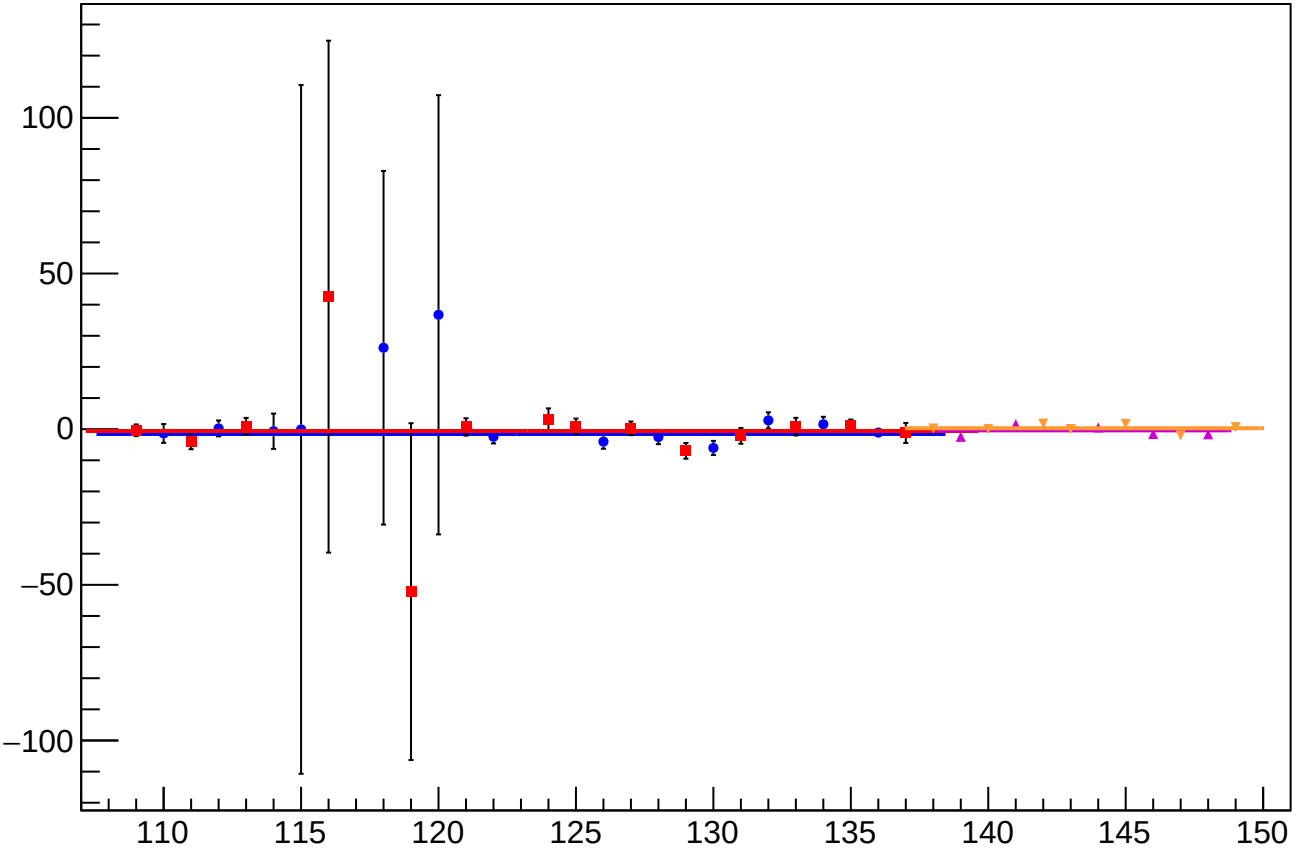
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3667.140+/-0.772 χ^2/NDF:471159.5/20

Out: 3552.604+/-0.709 χ^2/NDF:458640.9/25

All: 3605.016+/-0.522 χ^2/NDF: 941729.9/46

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.304+/-0.438 χ^2/NDF:6.9/6

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: -0.001+/-0.326 χ^2/NDF: 17.8/11

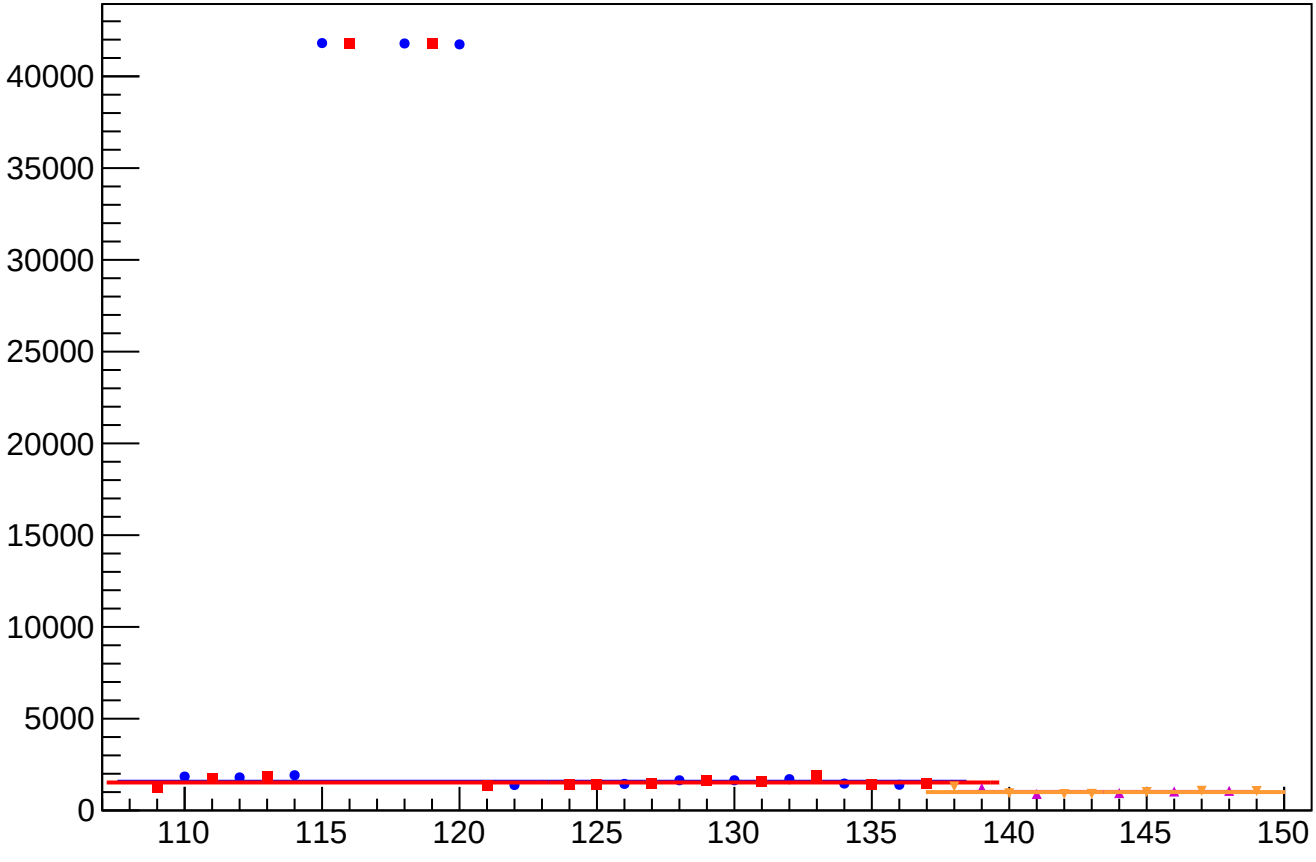
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.735+/-0.406 χ^2/NDF:22.7/17

Out: 0.062+/-0.373 χ^2/NDF:20.7/20

All: -0.303+/-0.275 χ^2/NDF: 45.5/38

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1002.156+/-0.309 χ^2/NDF:133841.6/6

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1009.666+/-0.345 χ^2/NDF:88925.8/4

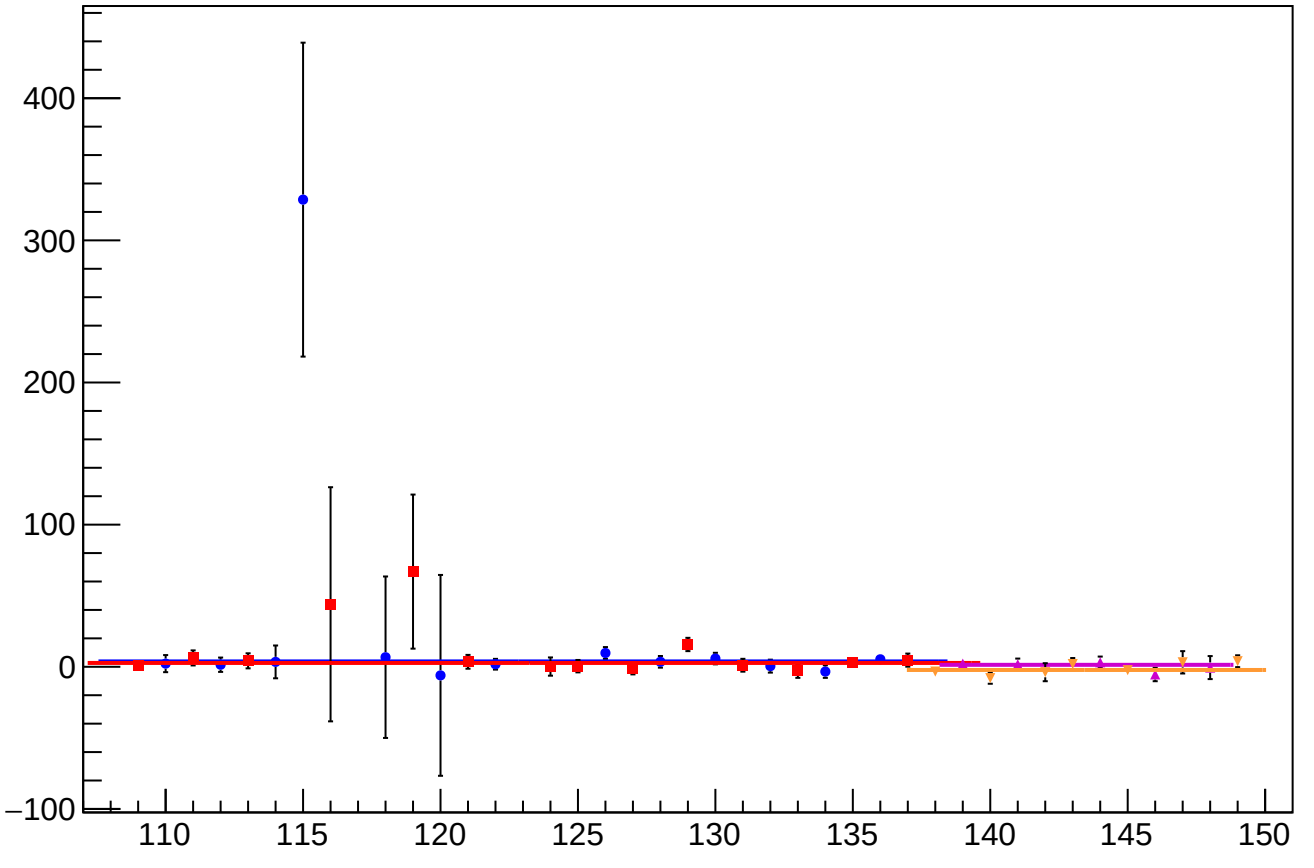
Left: 1005.507+/-0.230 χ^2/NDF: 223030.4/11

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1179.826+/-0.287 χ^2/NDF:2900333.3/17

Out: 1143.626+/-0.264 χ^2/NDF:2644386.3/20

All: 1160.226+/-0.194 χ^2/NDF: 5553335.1/38



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.241+/-1.373 χ^2/NDF:6.1/6

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: -0.671+/-1.033 χ^2/NDF: 11.5/11

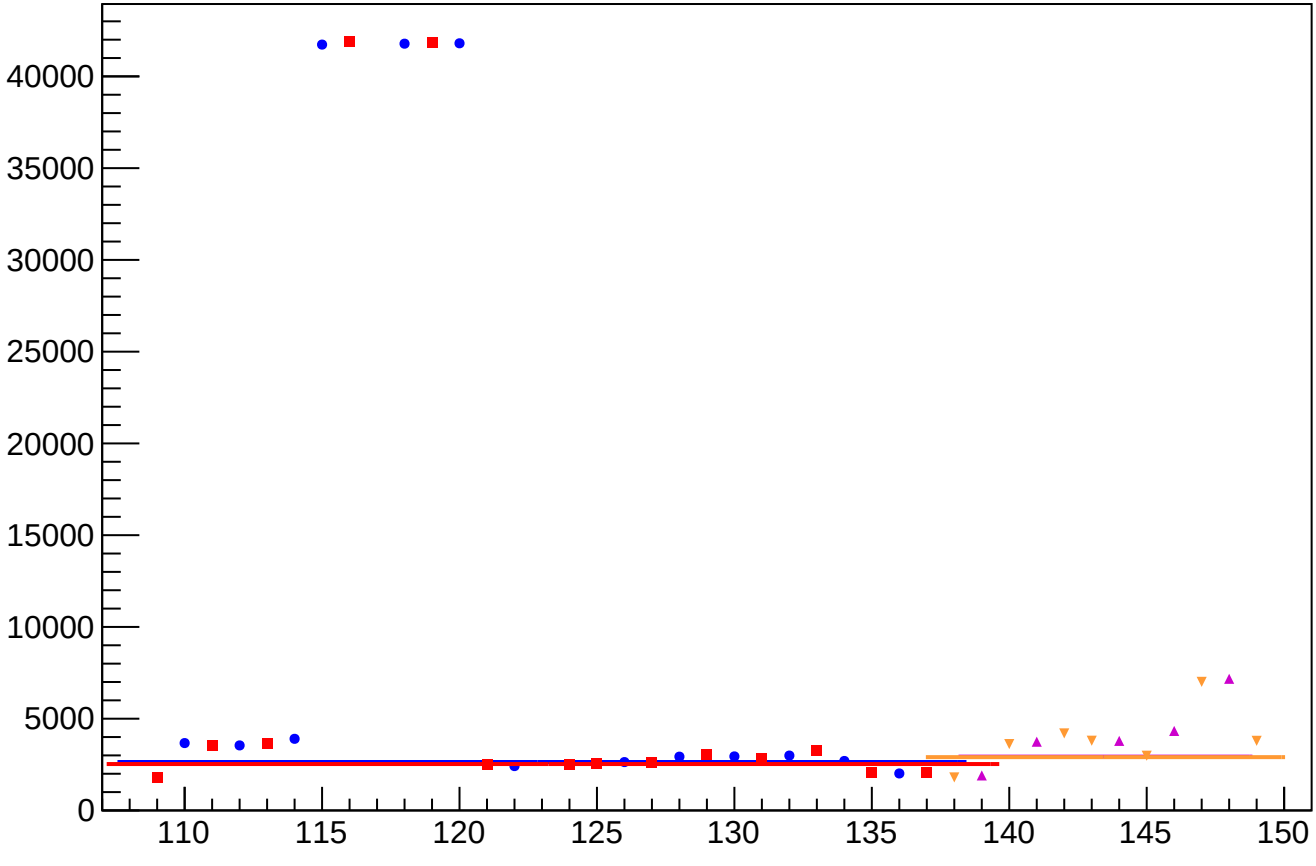
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.847+/-0.977 χ^2/NDF:19.0/17

Out: 0.543+/-0.908 χ^2/NDF:27.0/20

All: 1.611+/-0.665 χ^2/NDF: 49.0/38

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2905.137+/-0.971 χ^2/NDF:1429234.7/6

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2932.866+/-1.109 χ^2/NDF:1363341.2/4

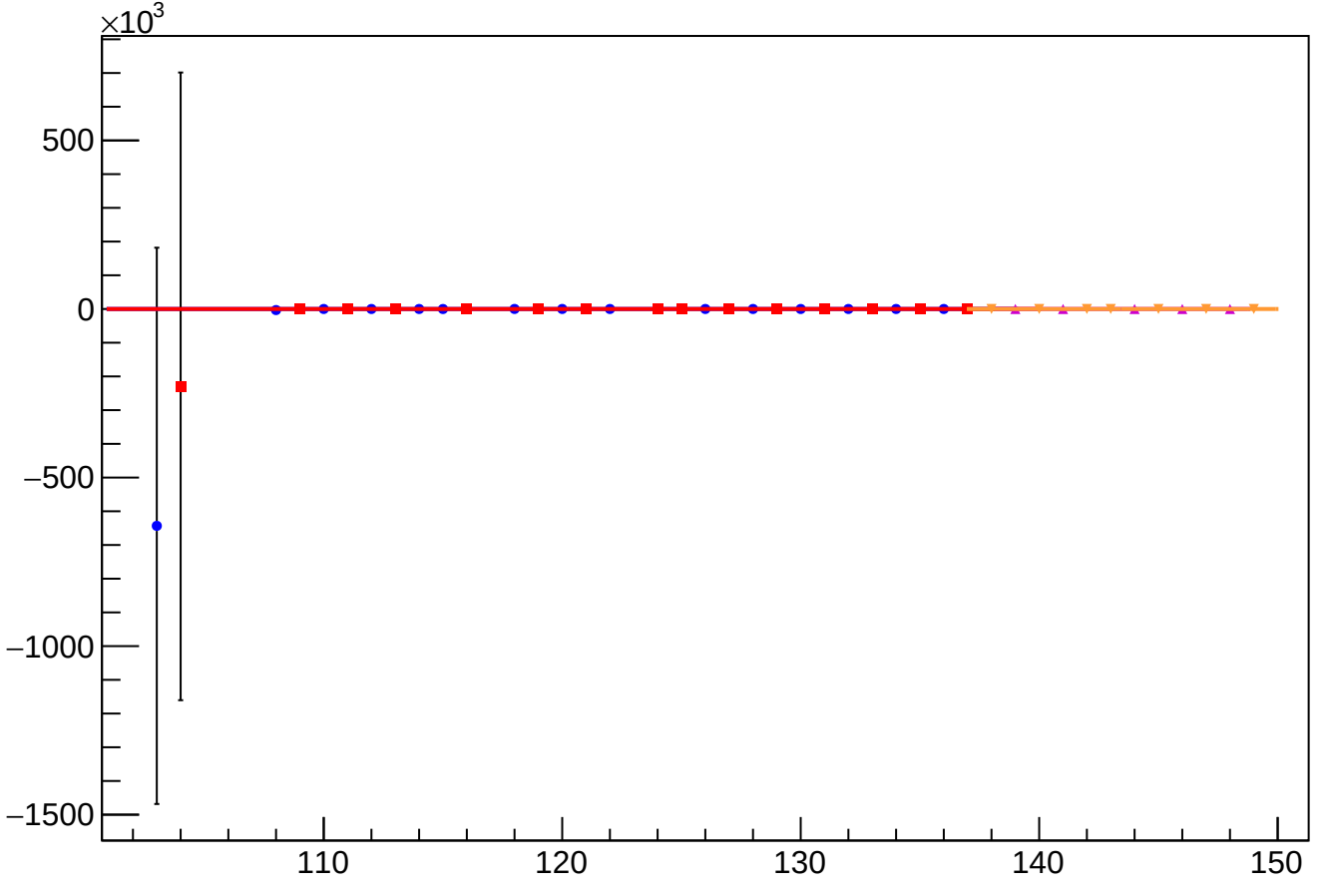
Left: 2917.163+/-0.730 χ^2/NDF: 2792929.8/11

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2753.521+/-0.691 χ^2/NDF:3579435.4/17

Out: 2693.614+/-0.642 χ^2/NDF:3463601.0/20

All: 2721.388+/-0.470 χ^2/NDF: 7047071.7/38



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.156+/-0.655 χ^2/NDF:15.3/6

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: -0.369+/-0.493 χ^2/NDF: 19.5/11

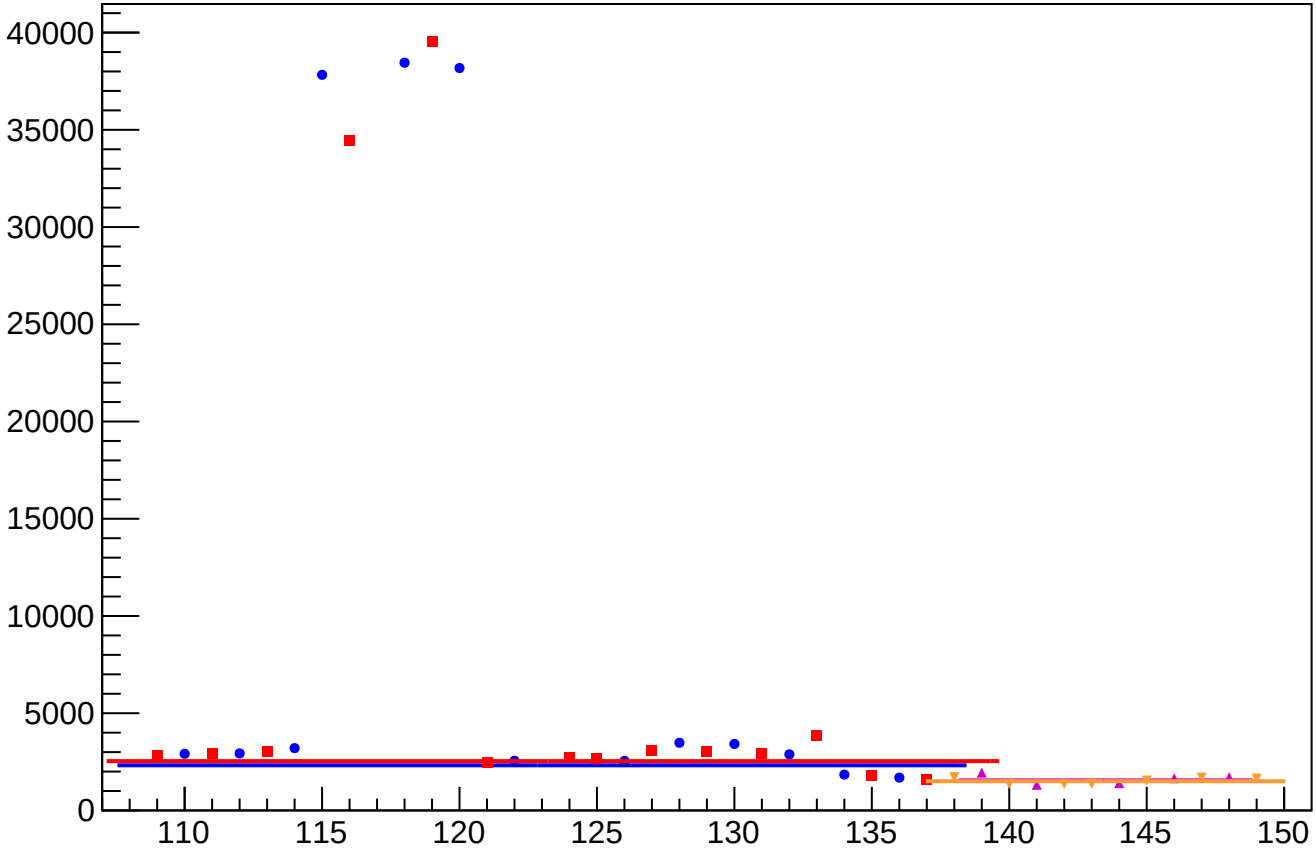
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.084+/-0.624 χ^2/NDF:21.5/19

Out: -0.290+/-0.576 χ^2/NDF:37.5/21

All: -0.118+/-0.423 χ^2/NDF: 59.2/41

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1503.819+/-0.463 χ^2/NDF:96693.1/6

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1546.134+/-0.530 χ^2/NDF:163132.2/4

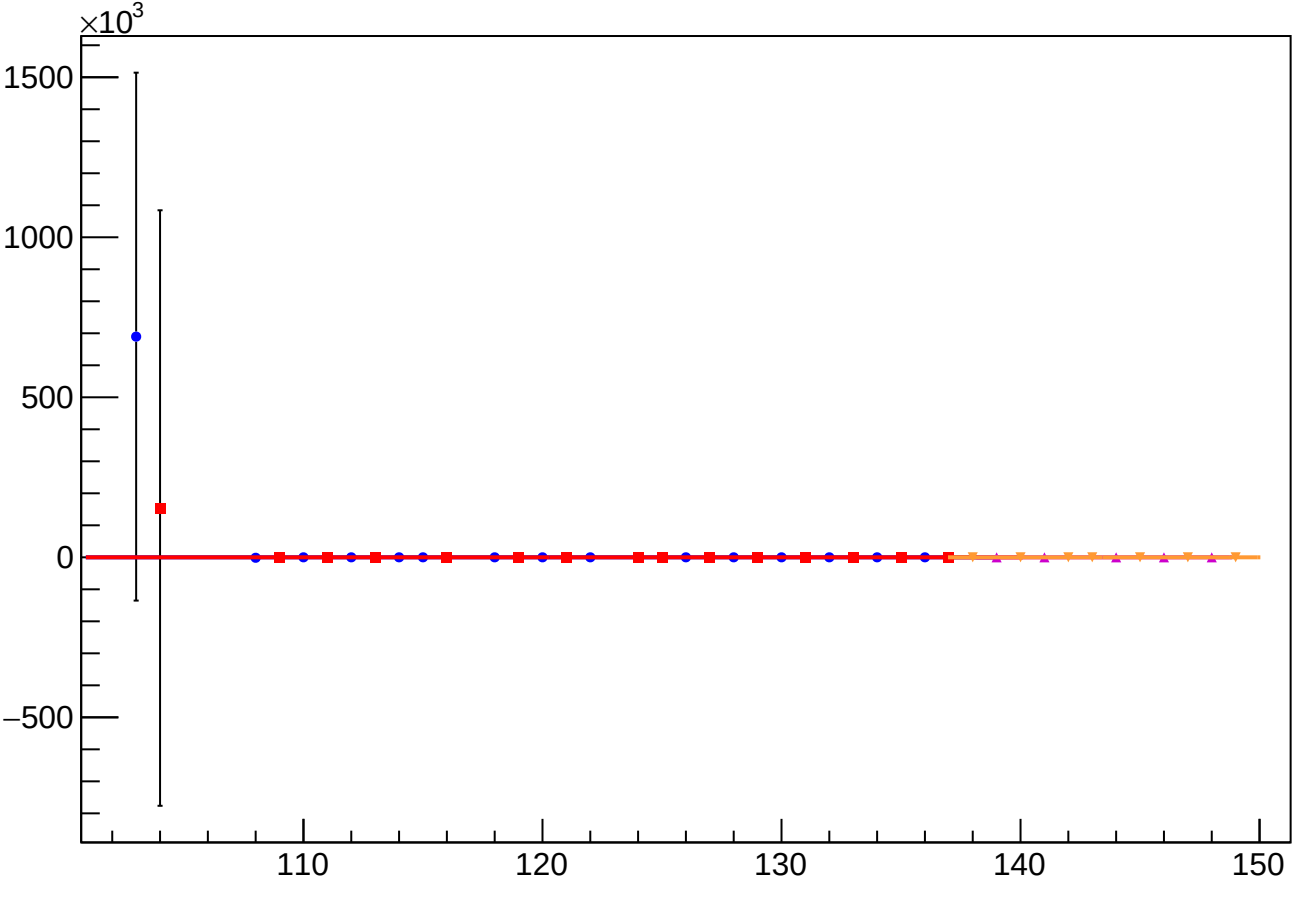
Left: 1522.159+/-0.349 χ^2/NDF: 263440.2/11

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1783.952+/-0.441 χ^2/NDF:3280714.3/17

Out: 1737.904+/-0.408 χ^2/NDF:3262085.5/20

All: 1759.116+/-0.299 χ^2/NDF: 6548681.3/38



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.889+/-0.927 χ^2/NDF:9.0/6

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: -0.687+/-0.662 χ^2/NDF: 11.1/11

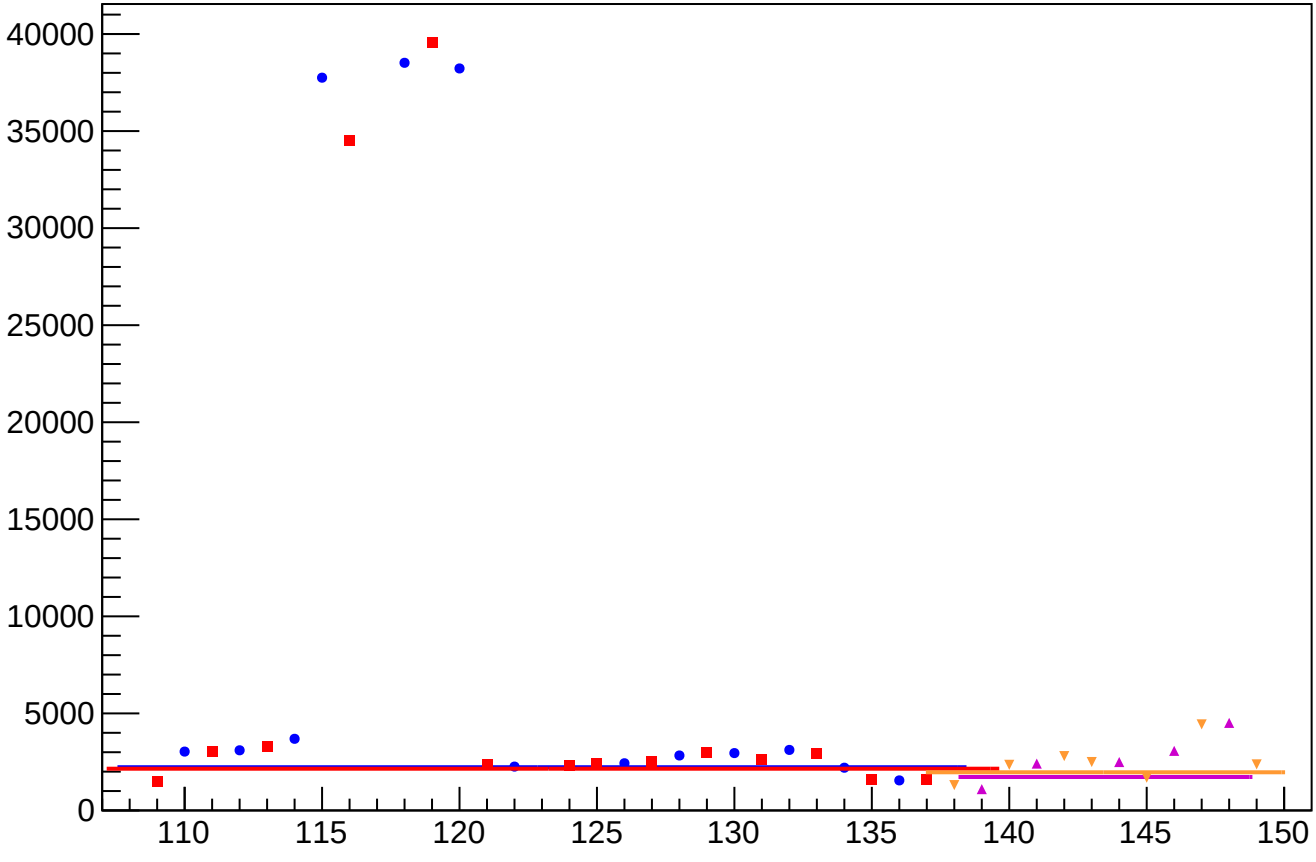
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.475+/-0.711 χ^2/NDF:9.4/19

Out: 0.327+/-0.695 χ^2/NDF:28.3/21

All: 0.400+/-0.497 χ^2/NDF: 37.7/41

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1966.593+/-0.655 χ^2/NDF:1117857.1/6

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: 1847.641+/-0.468 χ^2/NDF: 2962936.3/11

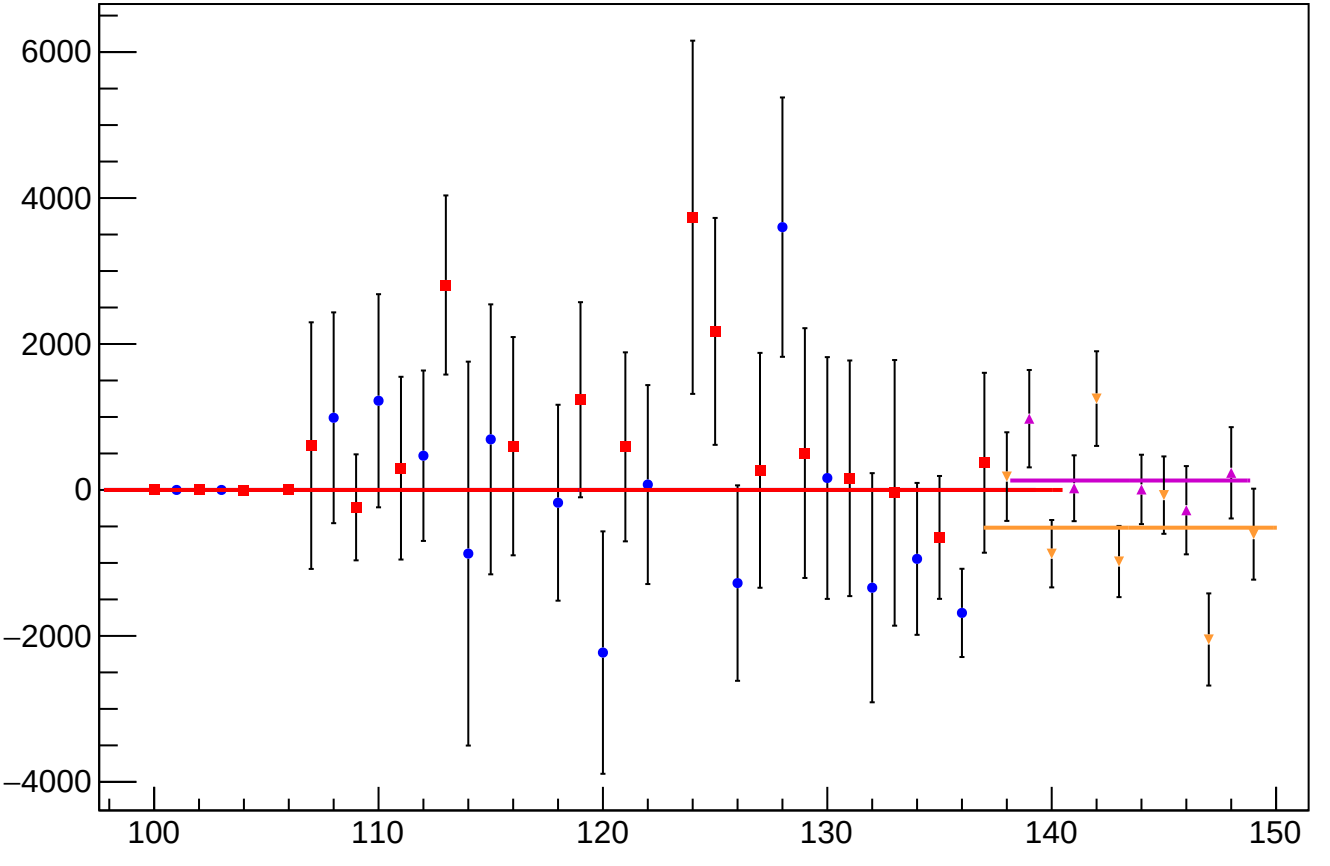
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1943.037+/-0.503 χ^2/NDF:4546732.3/17

Out: 2047.127+/-0.492 χ^2/NDF:3383730.1/20

All: 1996.217+/-0.351 χ^2/NDF: 7952383.6/38

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -517.036+/-210.243 χ^2/NDF:16.9/6

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 129.377+/-243.456 χ^2/NDF:2.2/4

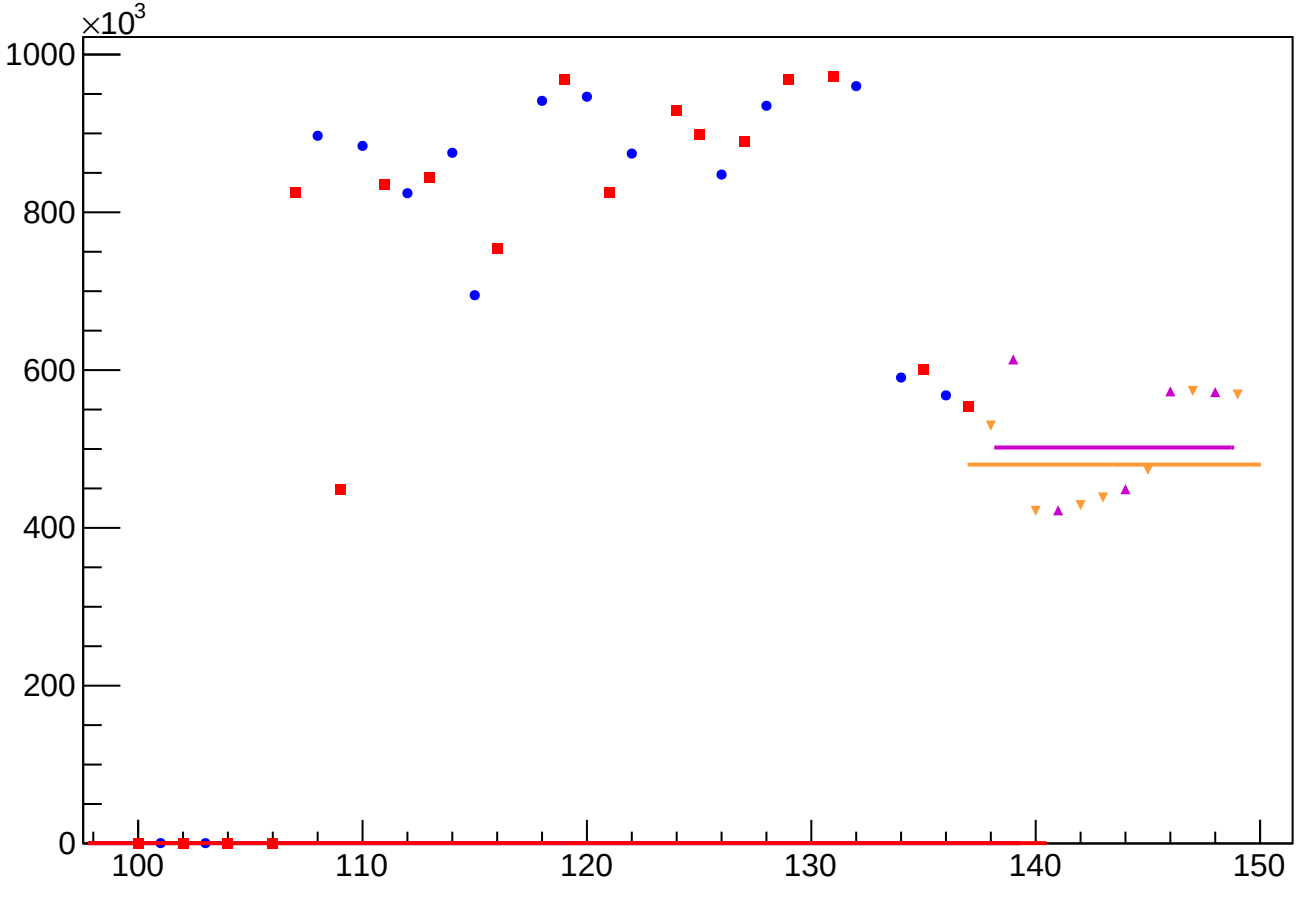
Left: -240.898+/-159.121 χ^2/NDF: 23.1/11

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:38.3/25

All: 0.065+/-0.241 χ^2/NDF: 59.1/46



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 480233.369+/-148.664 χ^2/NDF:157318.3/6

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: 489485.550+/-112.516 χ^2/NDF: 362360.5/11

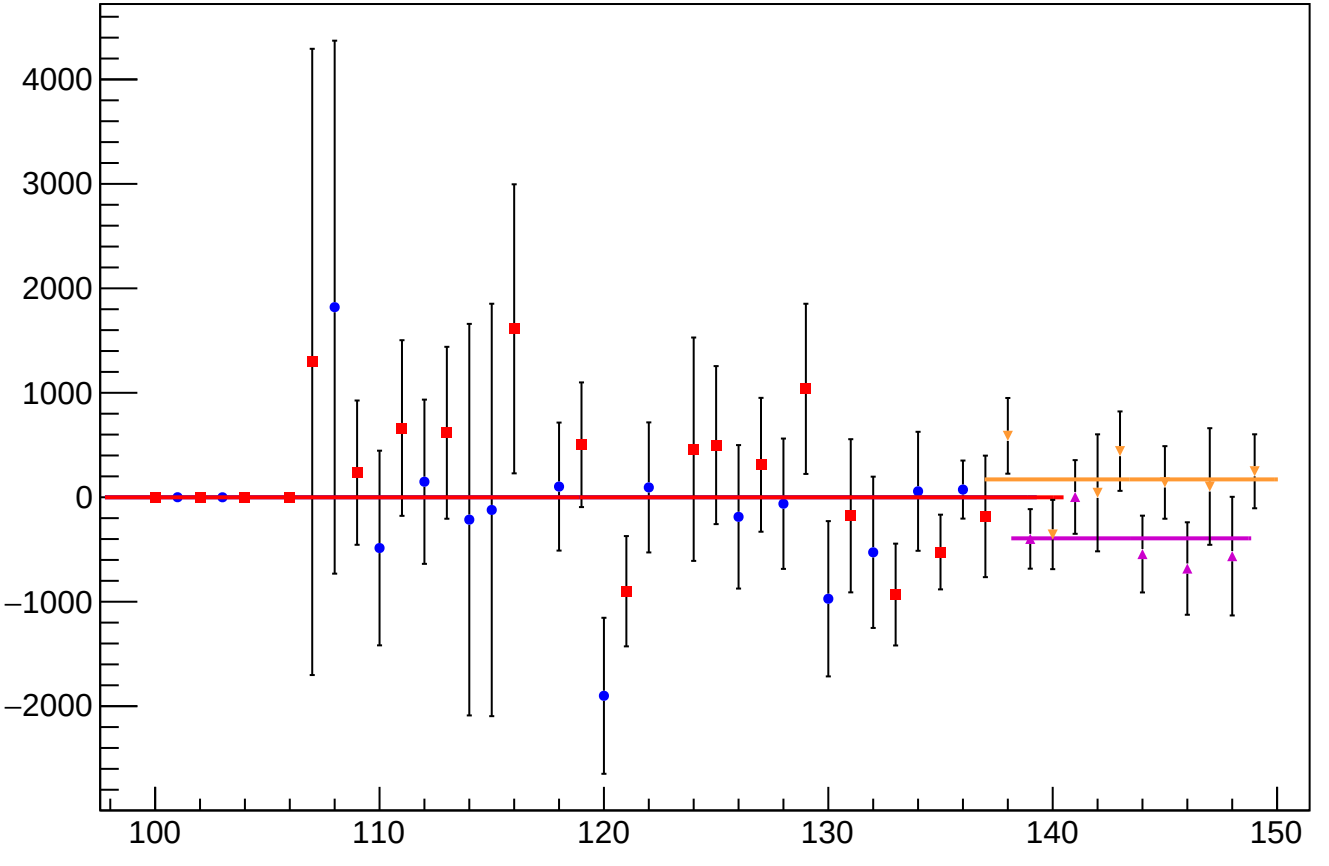
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.951+/-0.251 χ^2/NDF:17174097.9/19

Out: 394.406+/-0.232 χ^2/NDF:18223771.3/24

All: 396.953+/-0.170 χ^2/NDF: 35398132.1/44

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 171.032+/-146.999 χ^2/NDF:4.5/6

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -393.247+/-166.775 χ^2/NDF:1.9/4

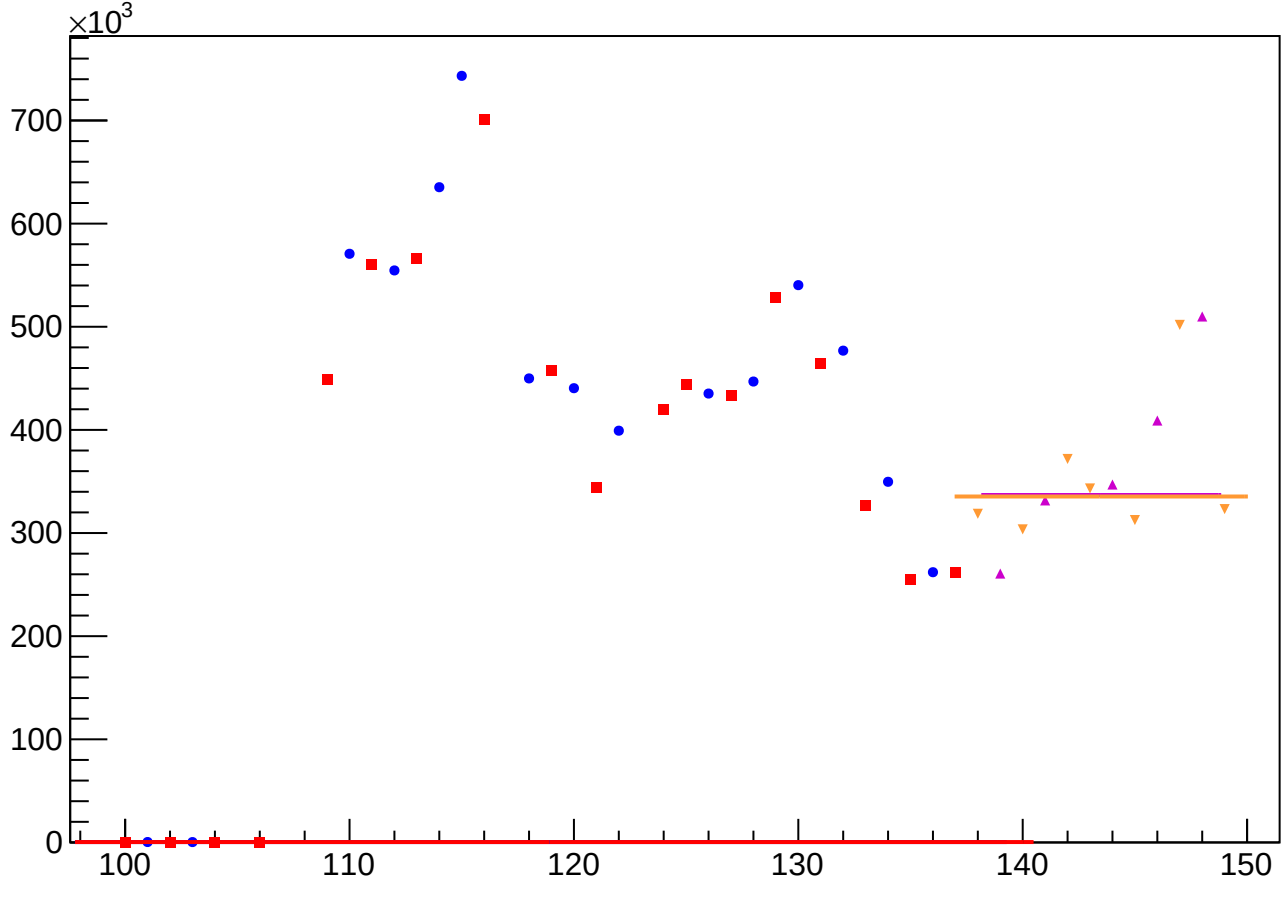
Left: -75.684+/-110.276 χ^2/NDF: 12.9/11

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:20.8/25

All: -0.330+/-0.237 χ^2/NDF: 40.3/46



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 335419.400+/-103.944 χ^2/NDF:220761.9/6

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 336862.425+/-117.953 χ^2/NDF:383647.1/4

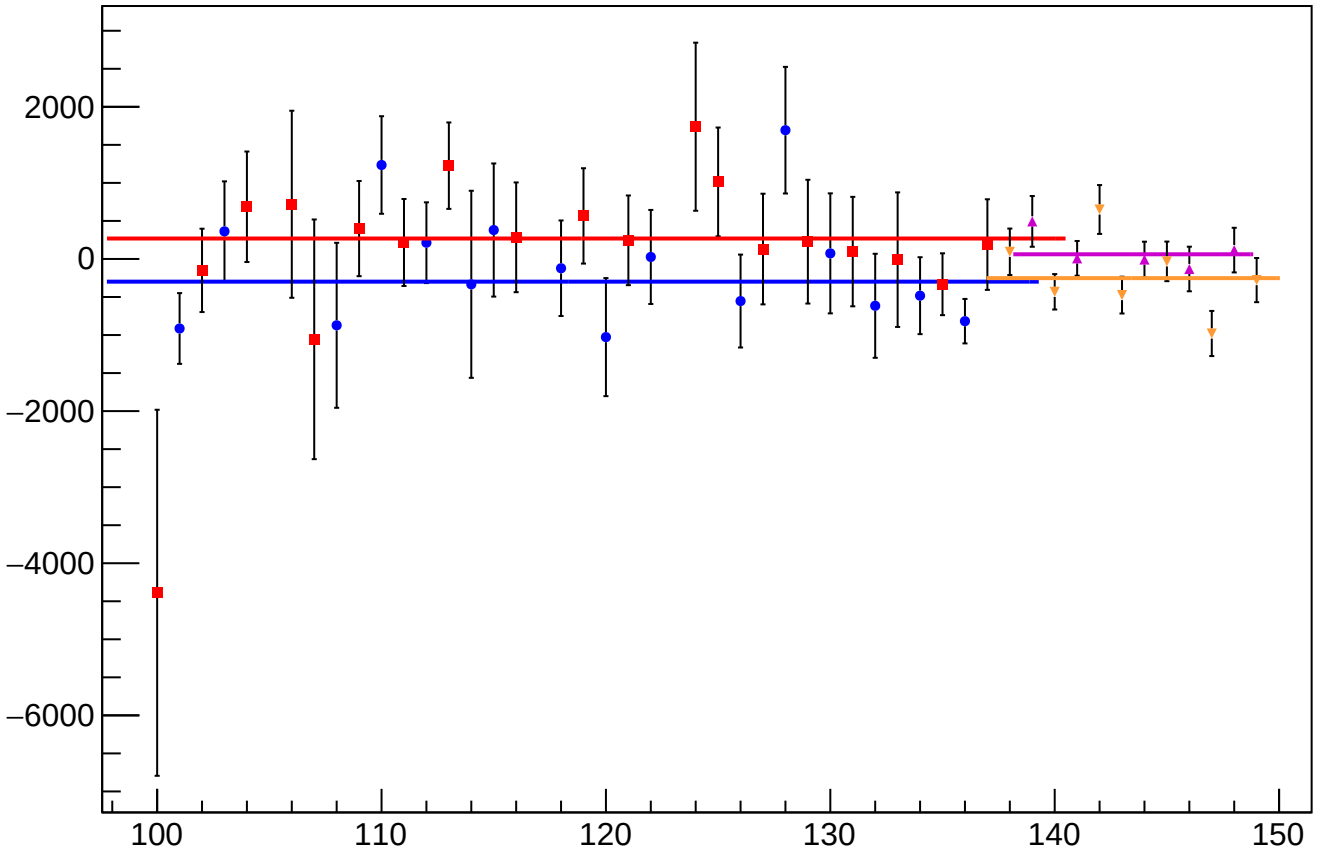
Left: 336050.172+/-77.984 χ^2/NDF: 604493.3/11

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 391.733+/-0.245 χ^2/NDF:19653188.2/19

Out: 389.610+/-0.229 χ^2/NDF:21684015.0/24

All: 390.598+/-0.167 χ^2/NDF: 41337243.1/44



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -251.874+/-103.175 χ^2/NDF:17.4/6

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 61.510+/-119.838 χ^2/NDF:2.3/4

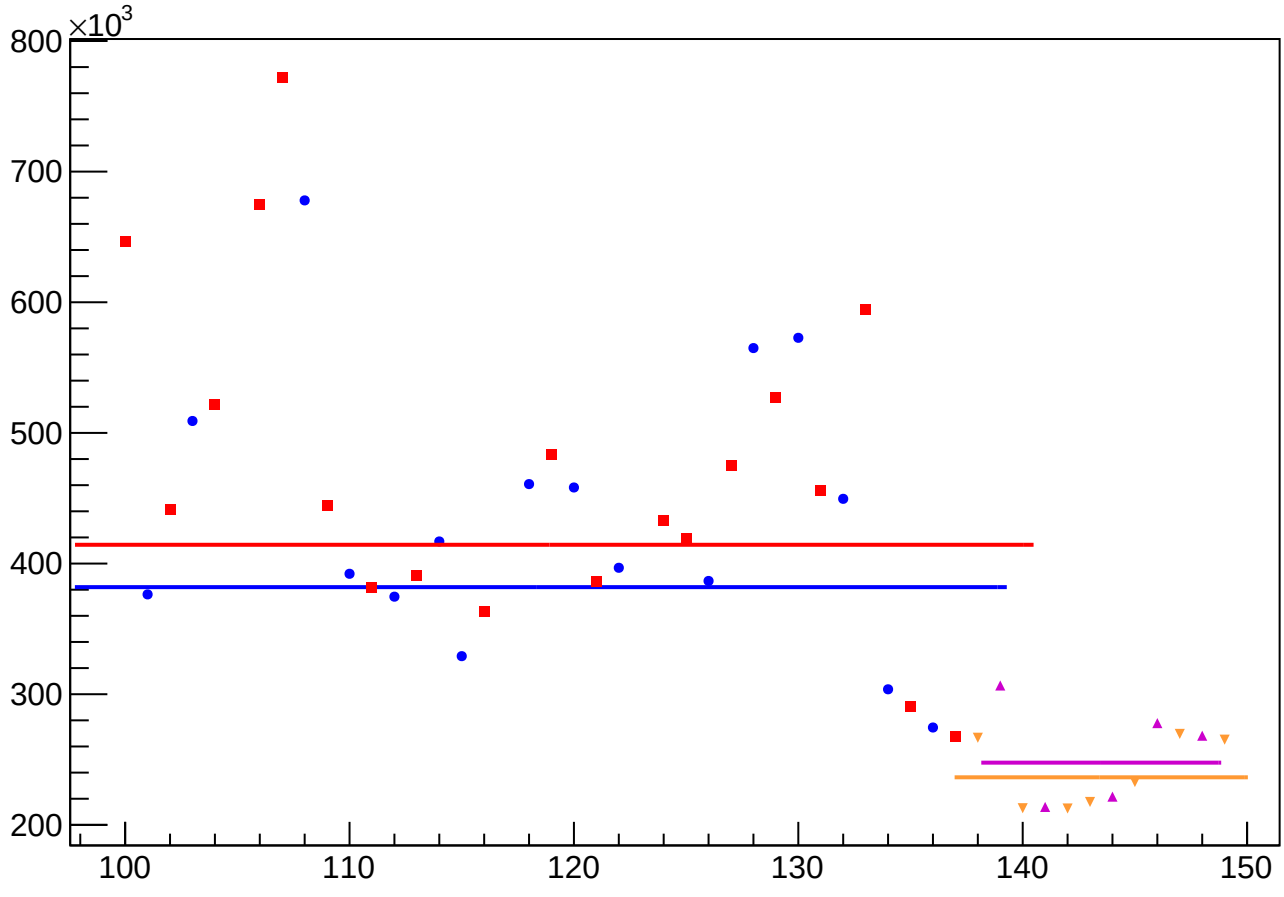
Left: -118.467+/-78.189 χ^2/NDF: 23.6/11

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -81.700+/-92.976 χ^2/NDF:27.0/20

Out: -94.219+/-86.154 χ^2/NDF:39.0/25

All: -88.436+/-63.194 χ^2/NDF: 66.0/46



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 236400.753+/-72.956 χ^2/NDF:108693.0/6

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 247621.833+/-84.738 χ^2/NDF:162603.3/4

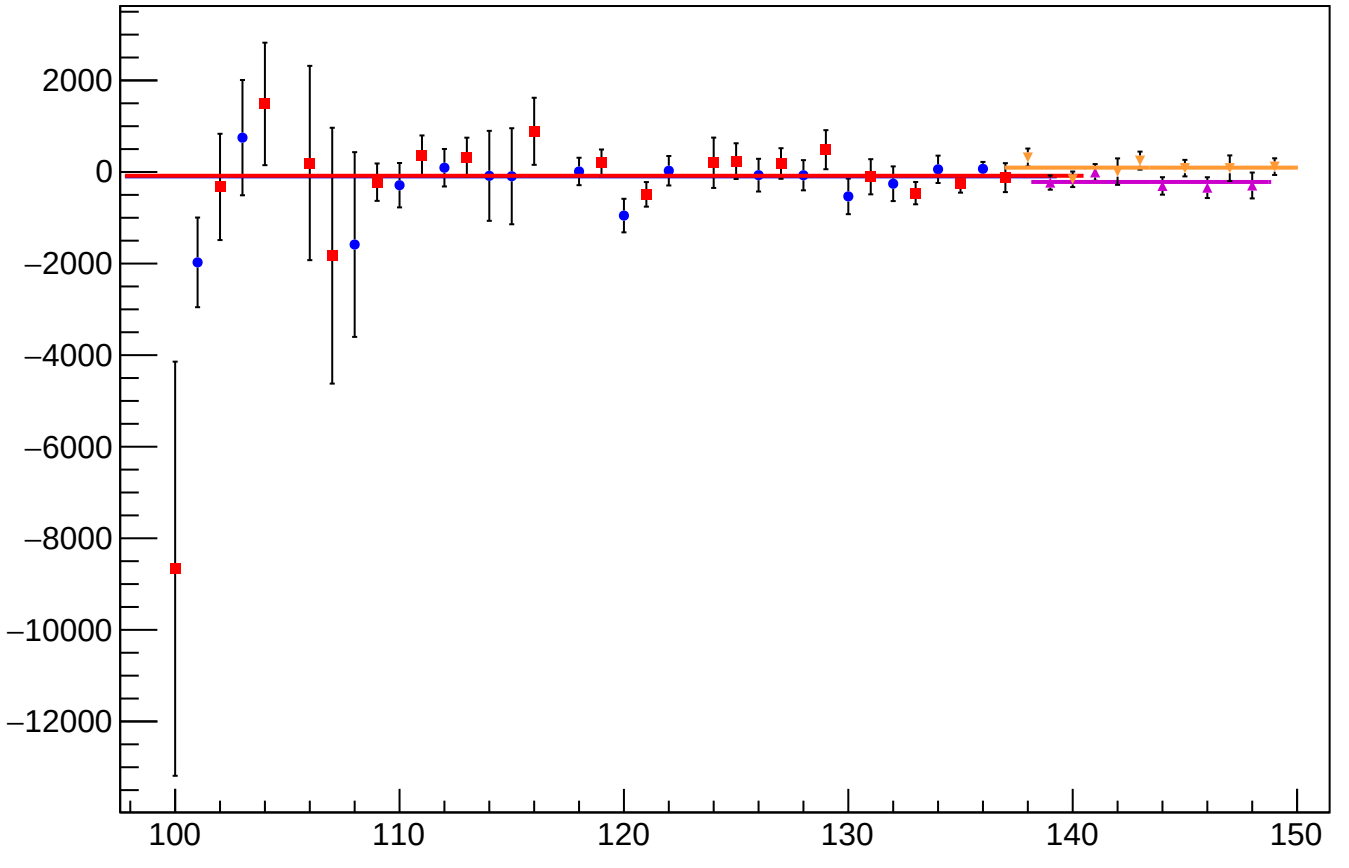
Left: 241177.556+/-55.288 χ^2/NDF: 281366.7/11

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 301084.553+/-65.749 χ^2/NDF:1999256.8/20

Out: 290262.017+/-60.925 χ^2/NDF:2669793.5/25

All: 295261.709+/-44.689 χ^2/NDF: 4683628.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 95.023+/-76.173 χ^2/NDF:4.2/6

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: -39.983+/-57.429 χ^2/NDF: 13.4/11

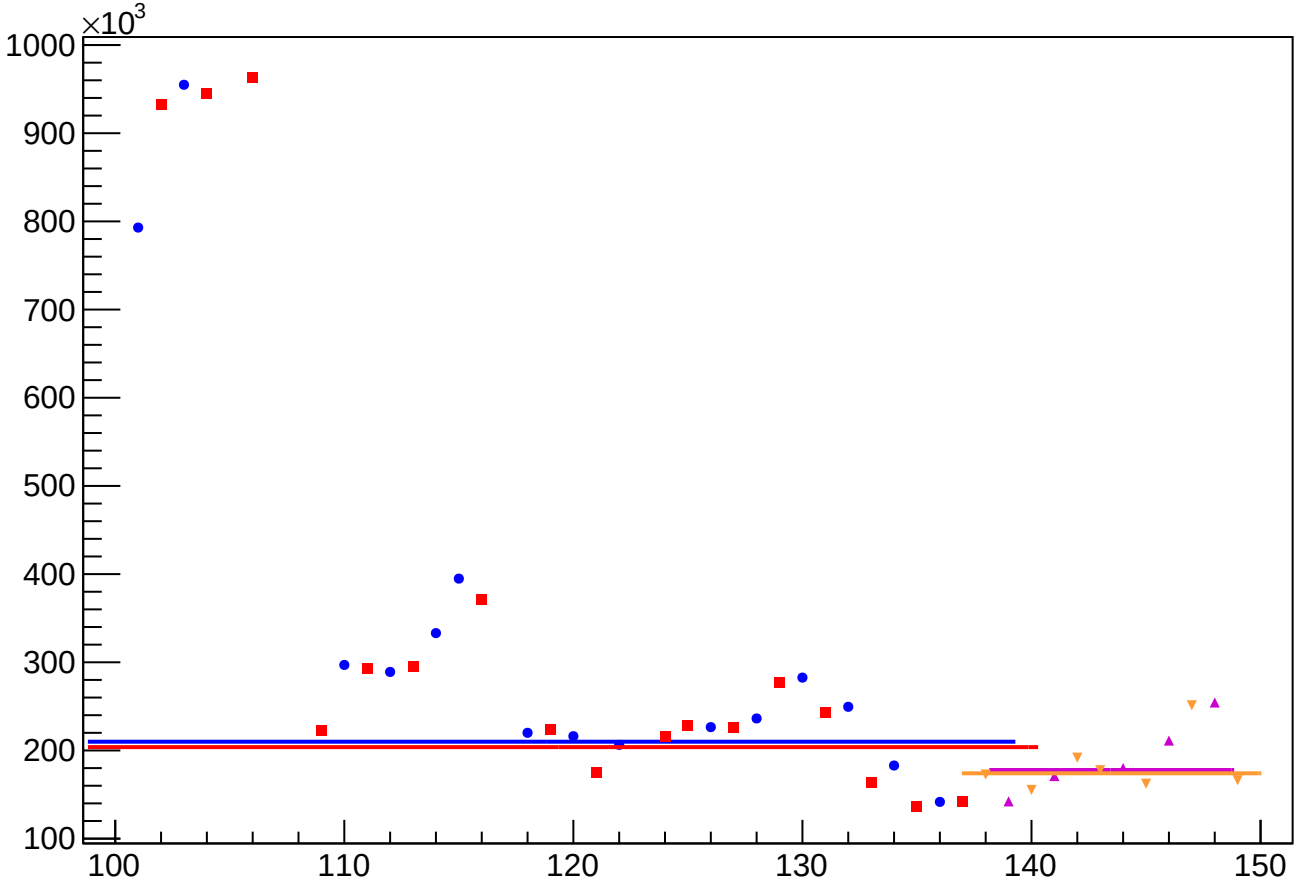
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -157.408+/-62.111 χ^2/NDF:16.6/20

Out: 18.197+/-57.400 χ^2/NDF:25.7/25

All: -62.694+/-42.155 χ^2/NDF: 46.6/46

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 174106.337+/-53.863 χ^2/NDF:198024.3/6

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177809.722+/-61.813 χ^2/NDF:297378.1/4

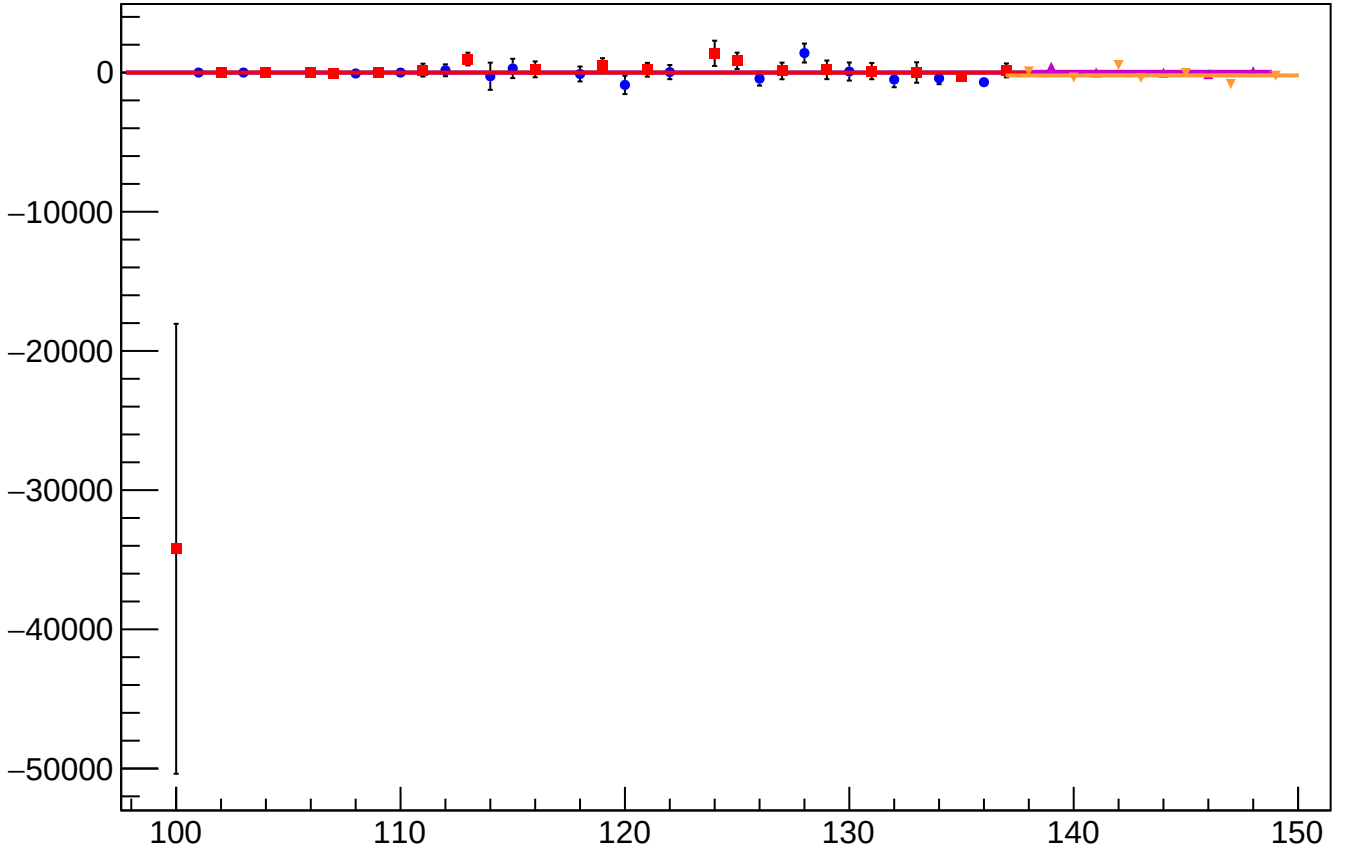
Left: 175704.700+/-40.608 χ^2/NDF: 497442.8/11

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 193686.037+/-43.957 χ^2/NDF:2390739.0/19

Out: 186899.820+/-40.632 χ^2/NDF:2399415.2/23

All: 190026.552+/-29.837 χ^2/NDF: 4803006.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -207.063+/-86.088 χ^2/NDF:17.4/6

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 53.882+/-100.112 χ^2/NDF:2.4/4

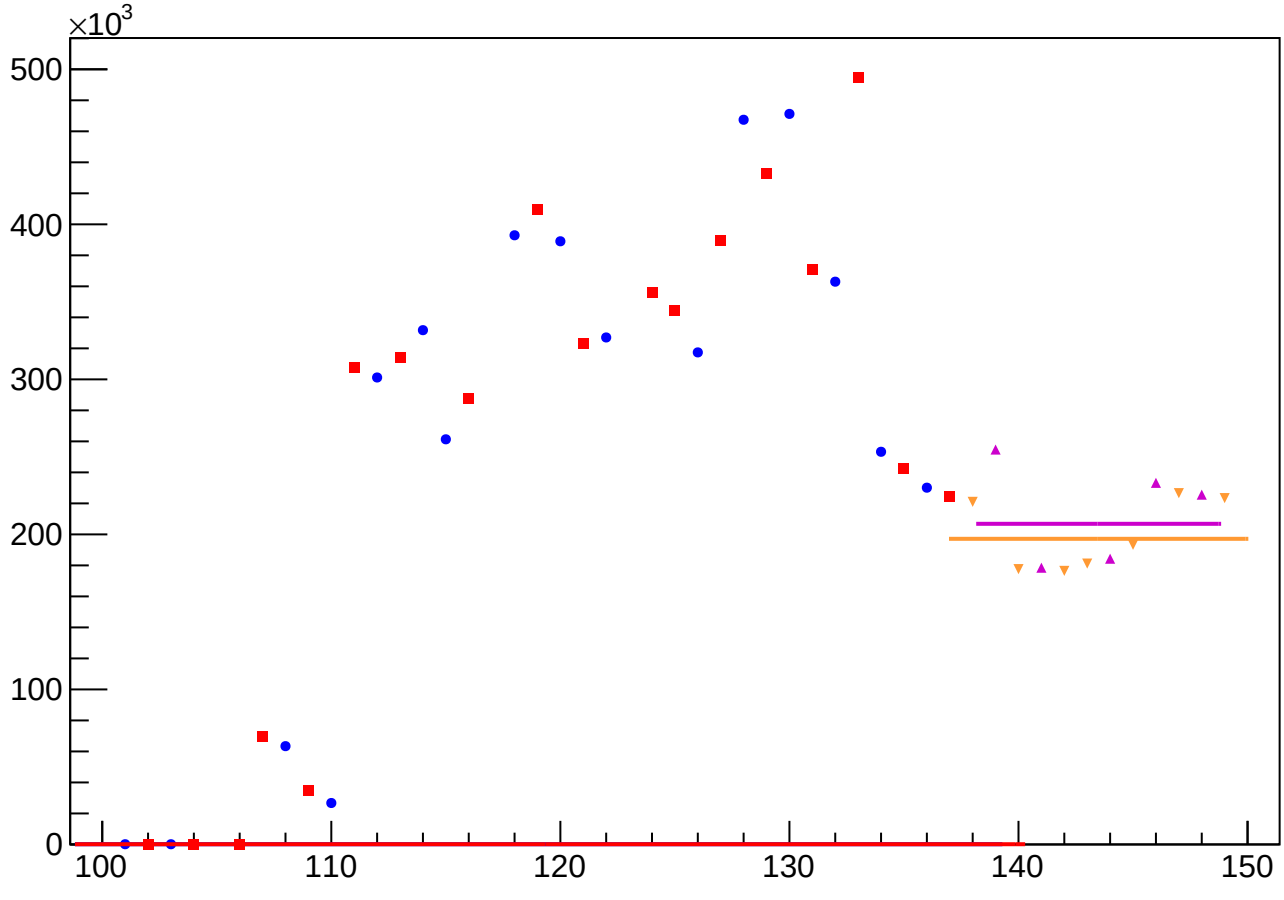
Left: -96.133+/-65.273 χ^2/NDF: 23.7/11

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:39.7/25

All: 0.174+/-0.117 χ^2/NDF: 63.2/46



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 197150.439+/-60.873 χ^2/NDF:114178.7/6

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 206827.936+/-70.790 χ^2/NDF:165263.1/4

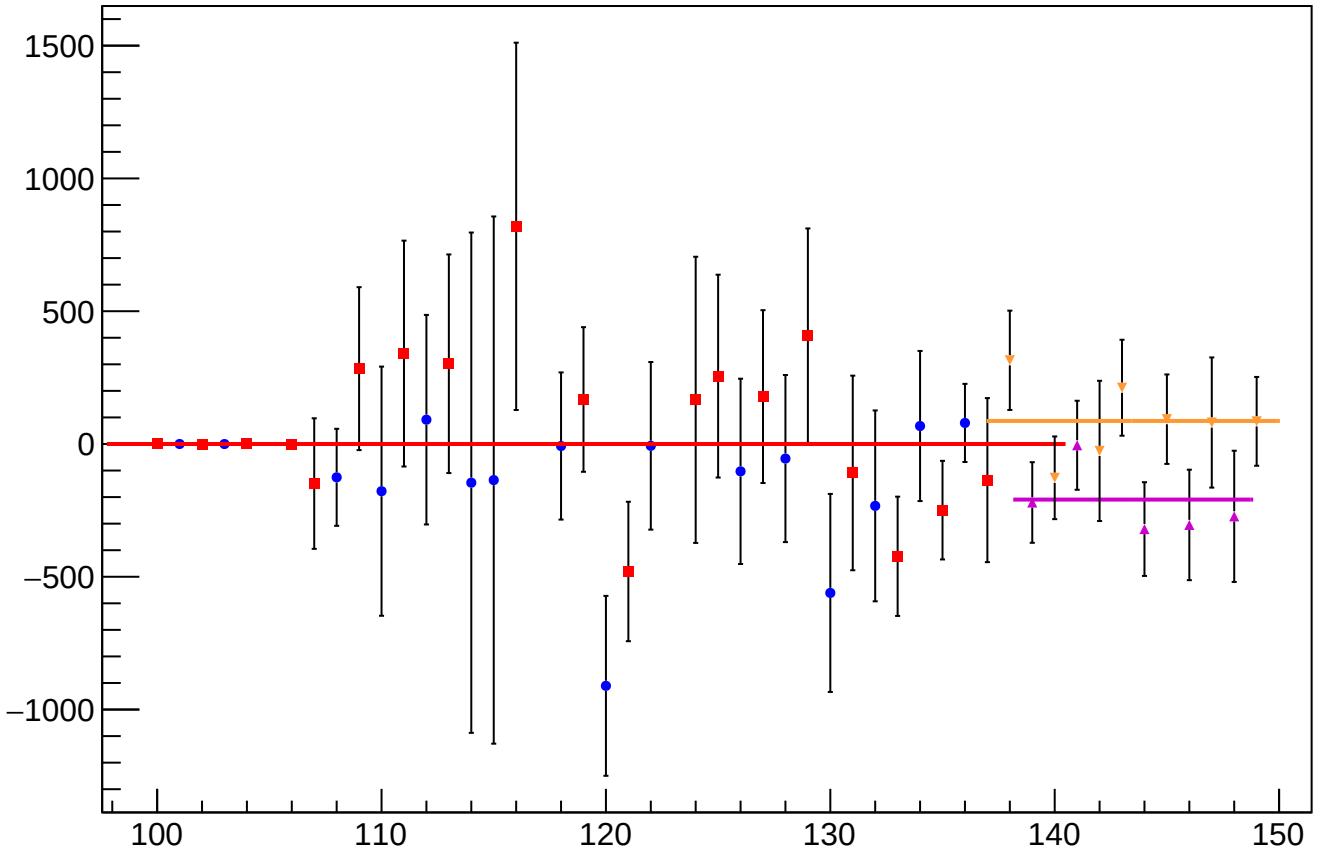
Left: 201264.398+/-46.155 χ^2/NDF: 290185.8/11

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.704+/-0.122 χ^2/NDF:19991239.7/20

Out: 150.060+/-0.113 χ^2/NDF:21876131.6/24

All: 149.895+/-0.083 χ^2/NDF: 41867375.8/45



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 86.743+/-70.278 χ^2/NDF:4.0/6

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -209.385+/-81.481 χ^2/NDF:2.2/4

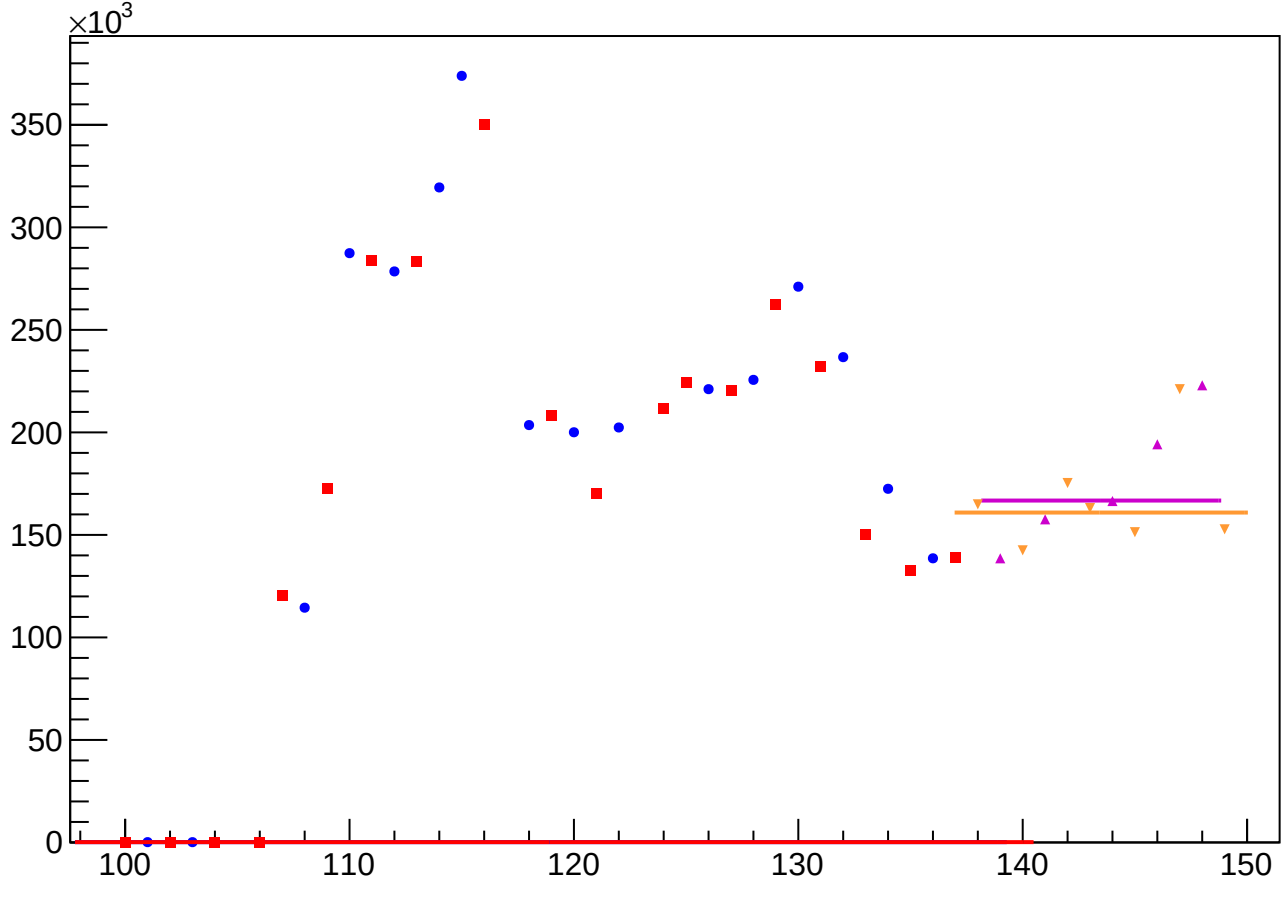
Left: -39.580+/-53.218 χ^2/NDF: 13.8/11

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:20.8/25

All: -0.099+/-0.121 χ^2/NDF: 40.8/46



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 160902.285+/-49.694 χ^2/NDF:166953.3/6

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: 163398.618+/-37.631 χ^2/NDF: 386140.4/11

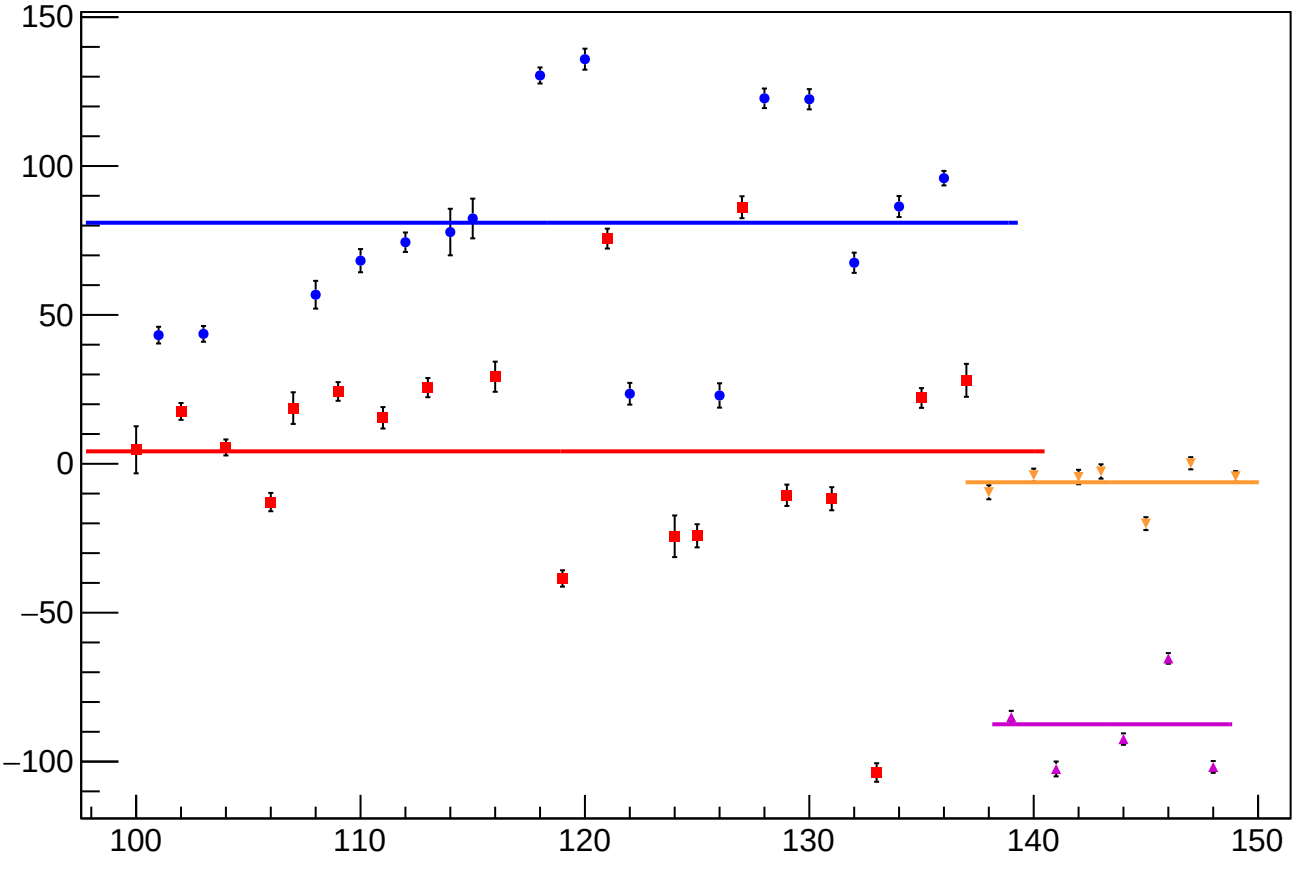
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.248+/-0.125 χ^2/NDF:20479405.7/20

Out: 157.060+/-0.118 χ^2/NDF:21961018.0/25

All: 155.742+/-0.086 χ^2/NDF: 42440691.1/46

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.203+/-0.820 χ^2/NDF:57.8/6

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: -42.825+/-0.608 χ^2/NDF: 4734.9/11

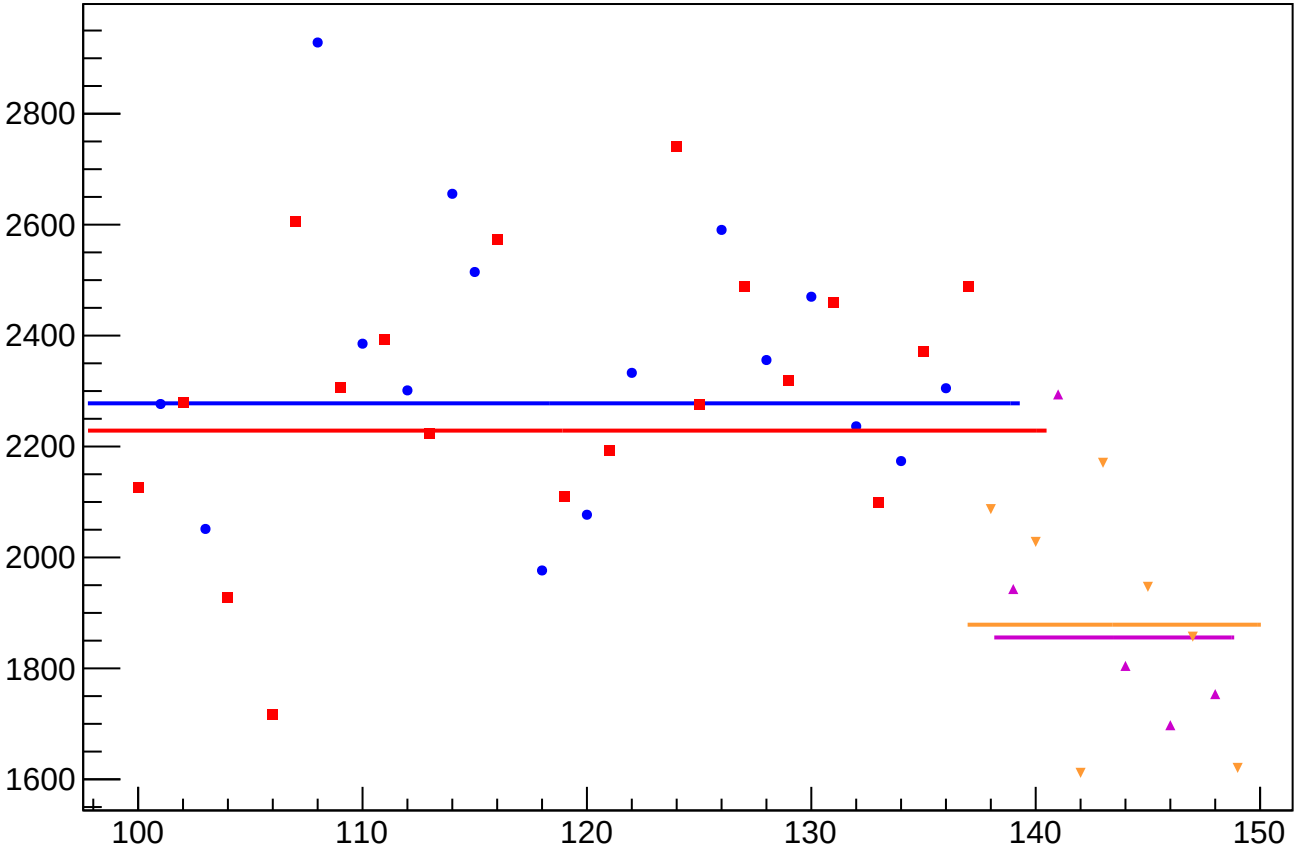
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 1.888+/-0.620 χ^2/NDF:20431.5/20

Out: -1.012+/-0.580 χ^2/NDF:2857.8/25

All: 0.341+/-0.424 χ^2/NDF: 23301.0/46

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1878.770+/-0.580 χ^2/NDF:122352.9/6

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: 1868.392+/-0.430 χ^2/NDF: 210203.4/11

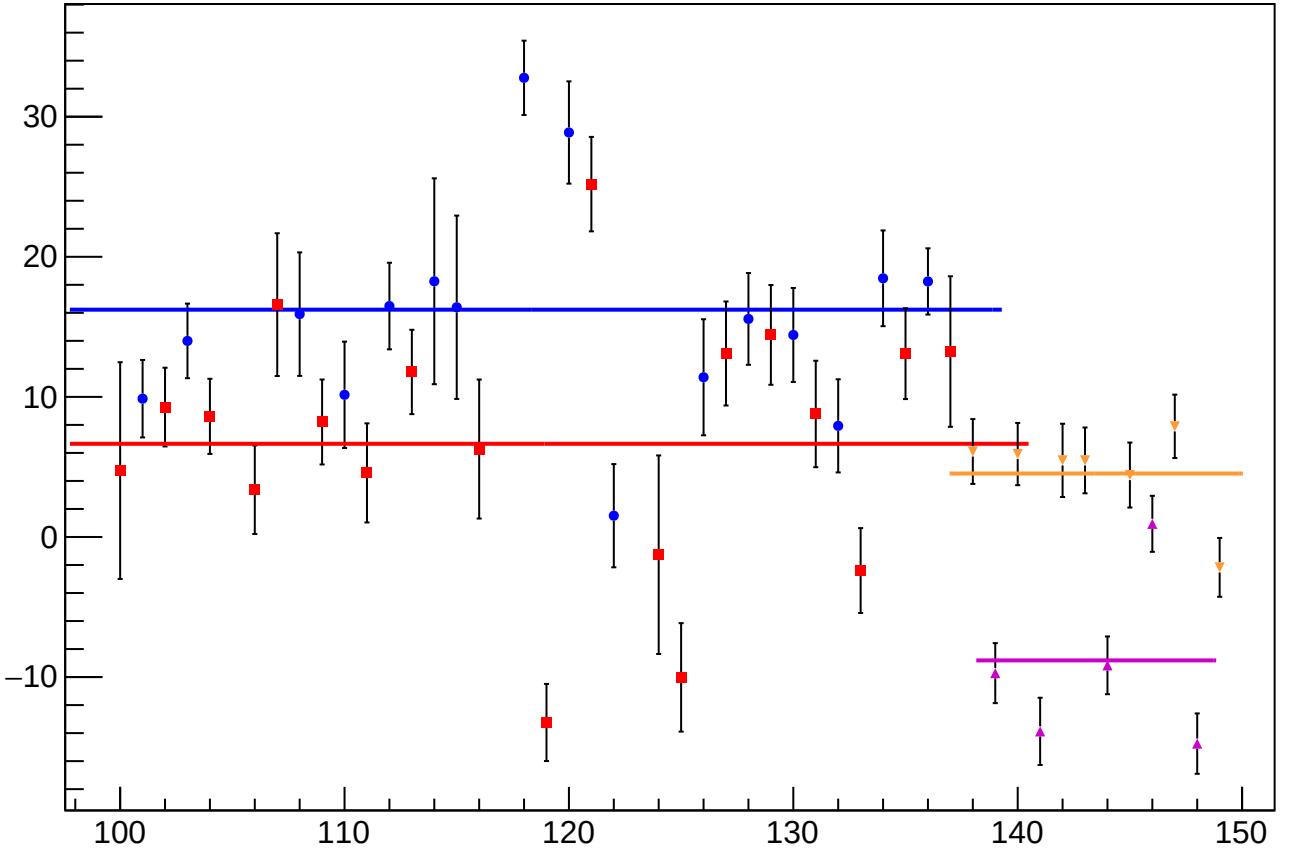
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2079.702+/-0.439 χ^2/NDF:433680.1/20

Out: 2053.666+/-0.410 χ^2/NDF:455607.5/25

All: 2065.809+/-0.299 χ^2/NDF: 891168.6/46

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.530+/-0.869 χ^2/NDF:13.5/6

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: -1.500+/-0.643 χ^2/NDF: 156.1/11

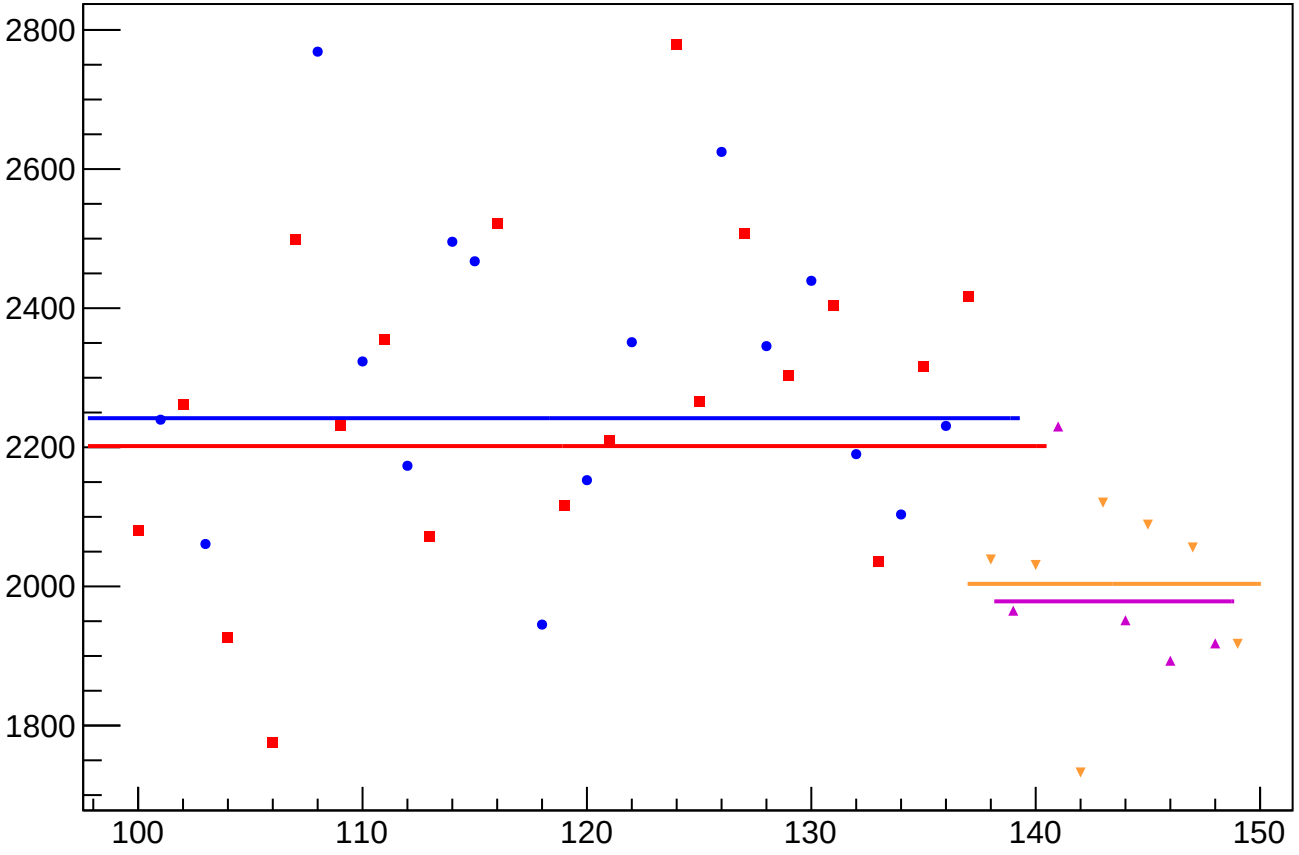
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 5.362+/-0.630 χ^2/NDF:508.3/20

Out: 5.666+/-0.592 χ^2/NDF:151.3/25

All: 5.524+/-0.432 χ^2/NDF: 659.7/46

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2003.700+/-0.614 χ^2/NDF:34316.2/6

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: 1992.316+/-0.455 χ^2/NDF: 62663.5/11

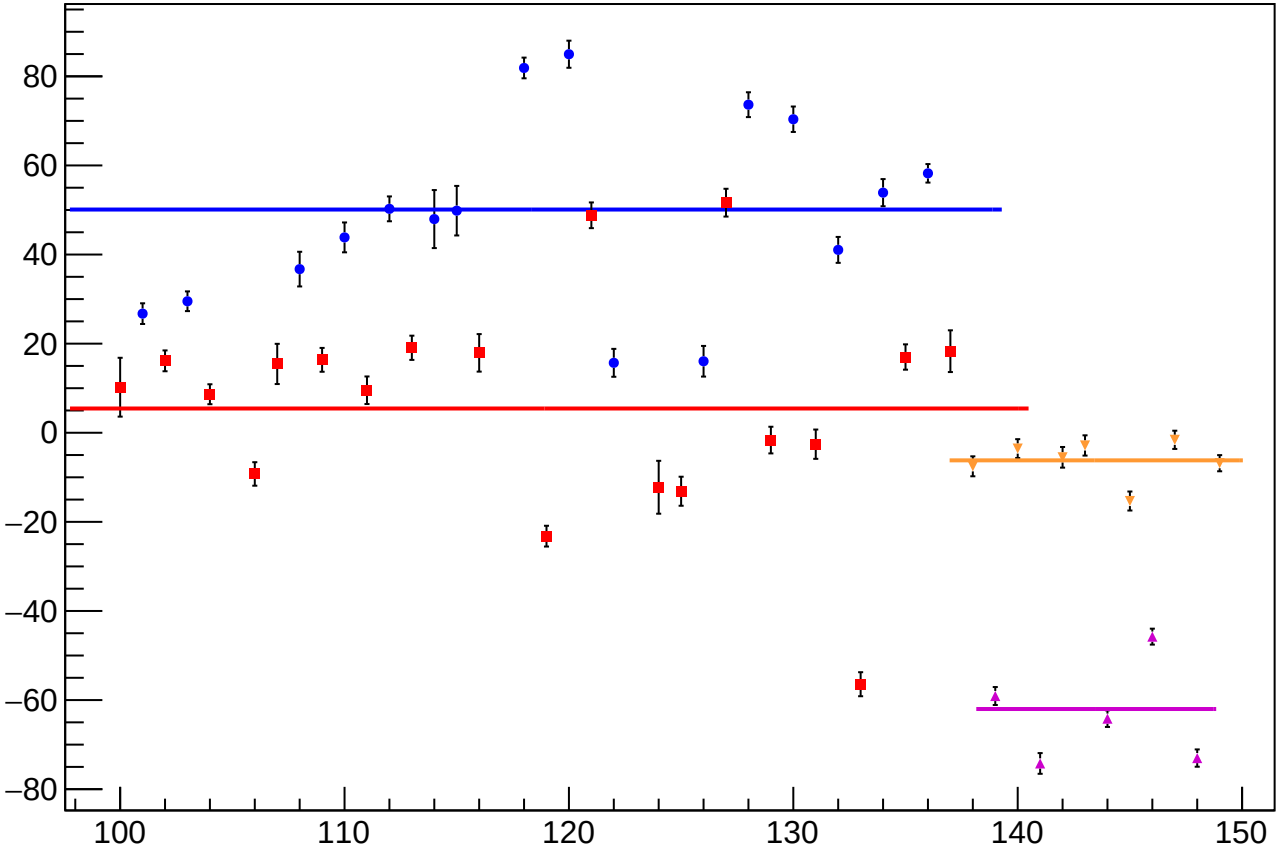
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2127.584+/-0.446 χ^2/NDF:215630.3/20

Out: 2109.743+/-0.419 χ^2/NDF:219831.7/25

All: 2118.109+/-0.305 χ^2/NDF: 436313.3/46

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -6.195+/-0.799 χ^2/NDF:27.7/6

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: -31.469+/-0.591 χ^2/NDF: 2382.1/11

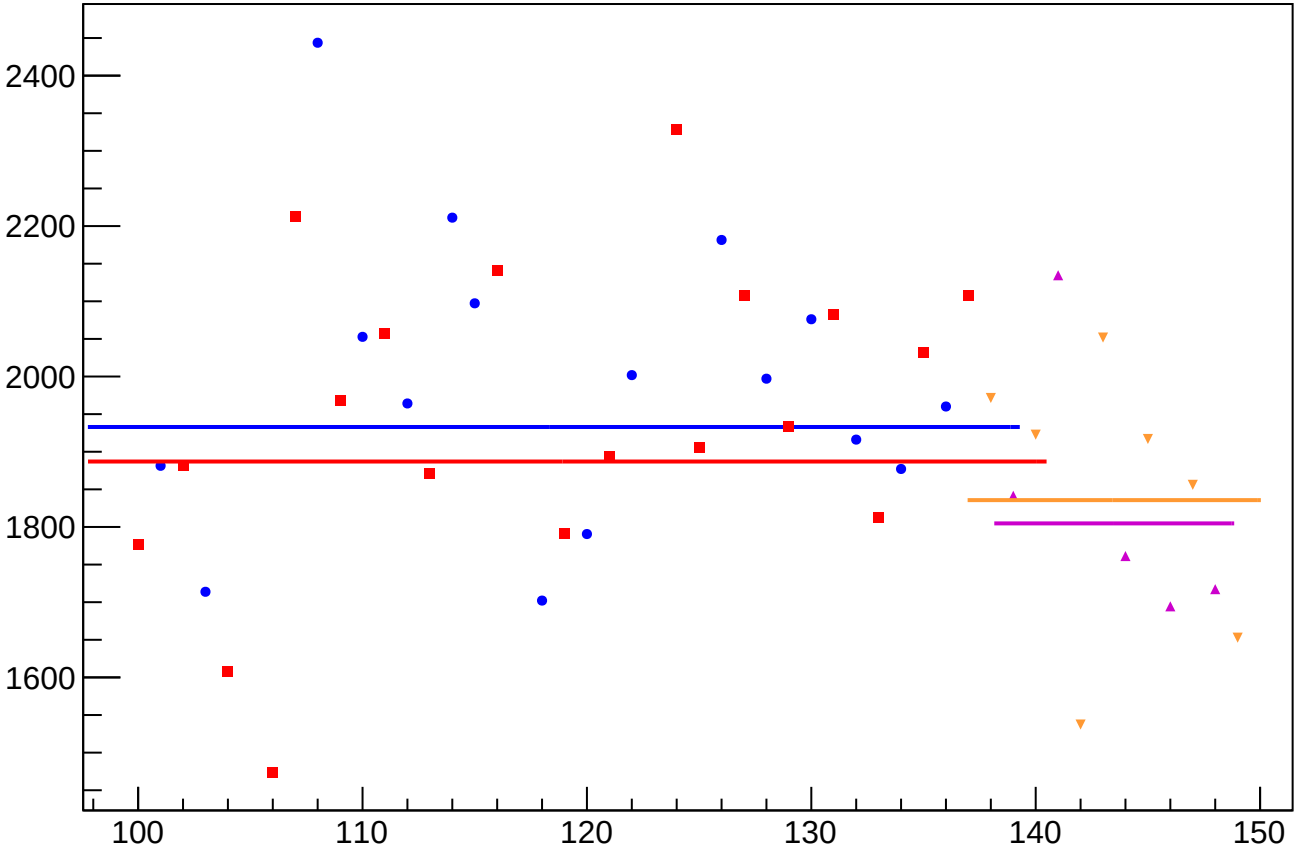
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 4.891+/-0.558 χ^2/NDF:10754.0/20

Out: 0.438+/-0.524 χ^2/NDF:1460.1/25

All: 2.525+/-0.382 χ^2/NDF: 12248.0/46

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1835.684+/-0.565 χ^2/NDF:85366.6/6

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: 1821.674+/-0.418 χ^2/NDF: 140381.8/11

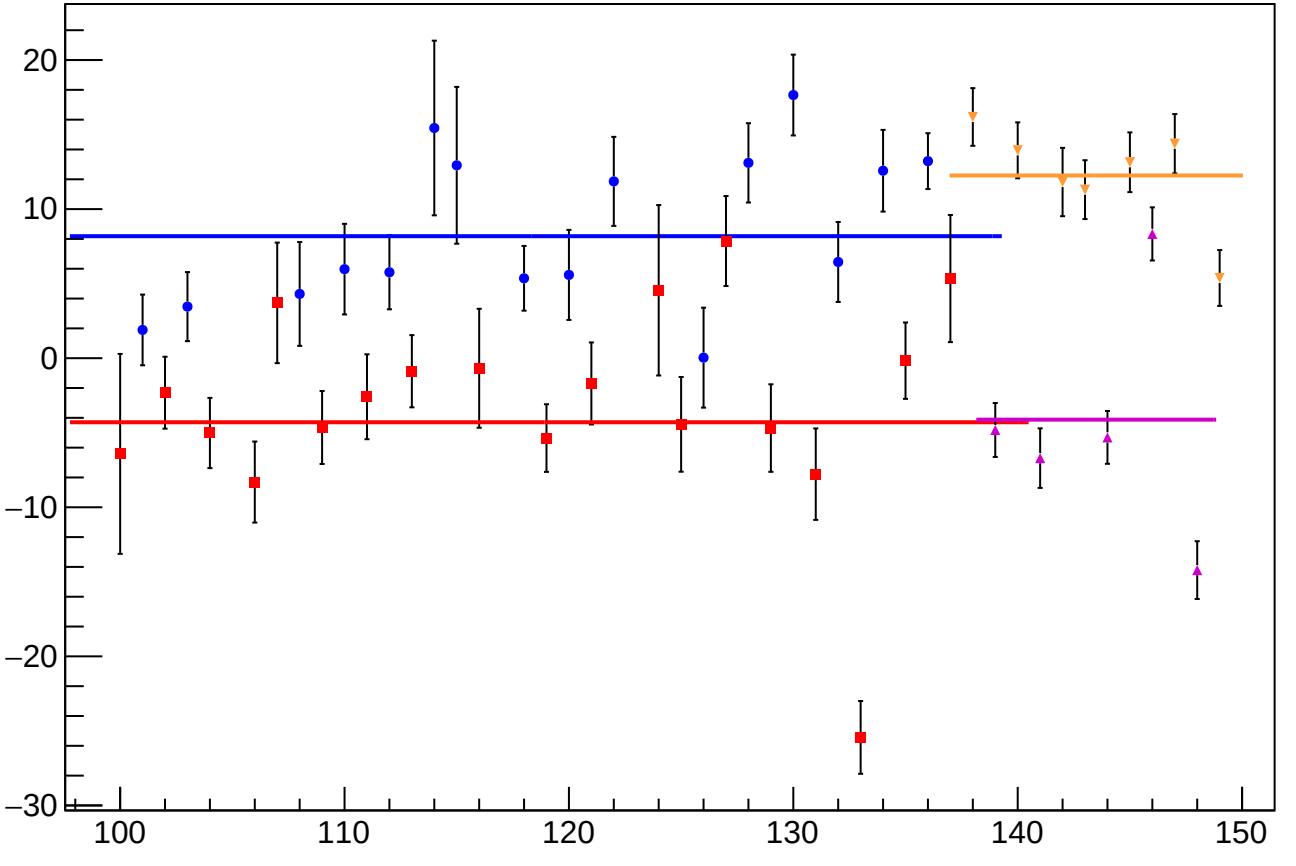
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1881.220+/-0.394 χ^2/NDF:185029.2/20

Out: 1864.931+/-0.371 χ^2/NDF:239814.0/25

All: 1872.568+/-0.270 χ^2/NDF: 425749.0/46

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 12.255+/-0.748 χ^2/NDF:20.0/6

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: 4.898+/-0.555 χ^2/NDF: 313.5/11

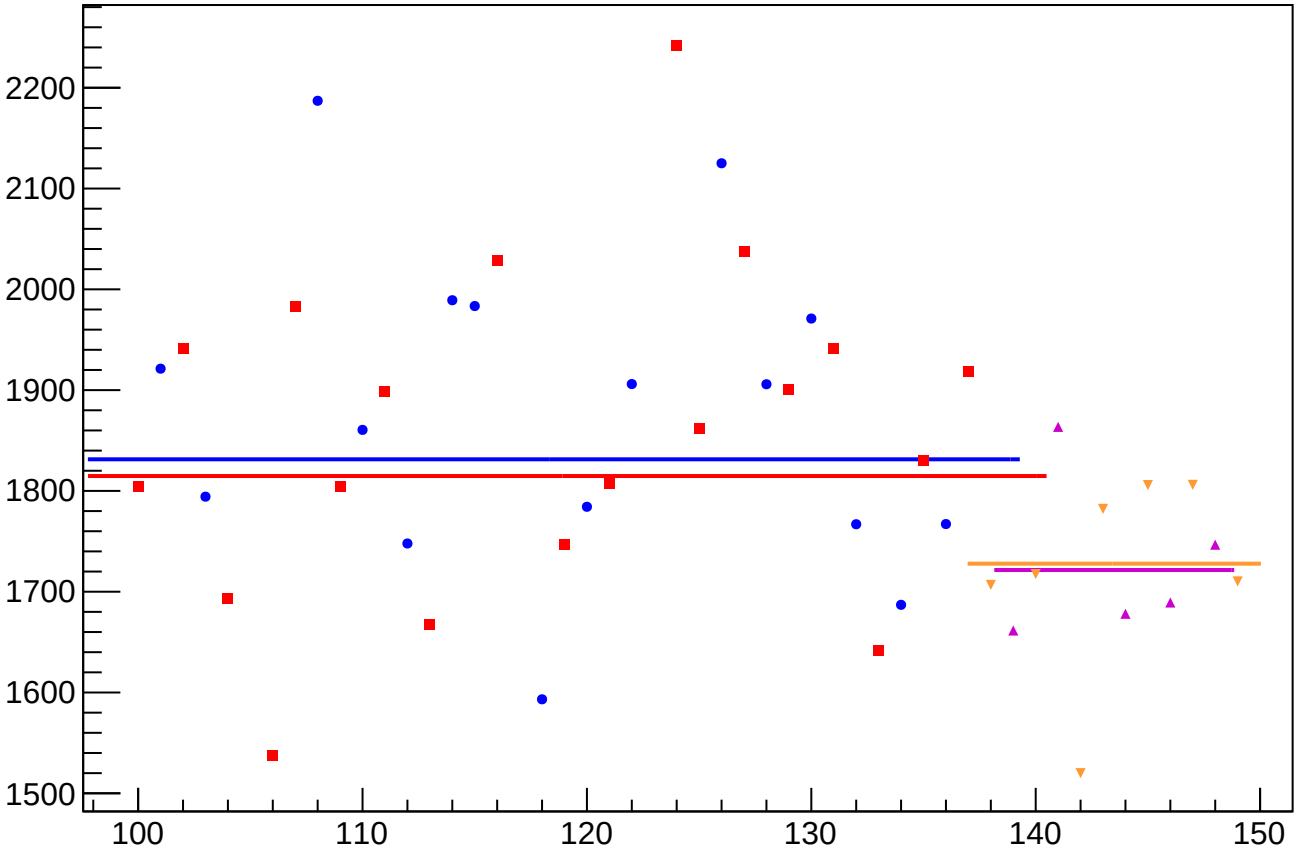
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 3.200+/-0.527 χ^2/NDF:261.5/20

Out: 3.012+/-0.497 χ^2/NDF:407.1/25

All: 3.101+/-0.362 χ^2/NDF: 668.7/46

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1727.815+/-0.529 χ^2/NDF:24564.1/6

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: 1724.988+/-0.393 χ^2/NDF: 39137.1/11

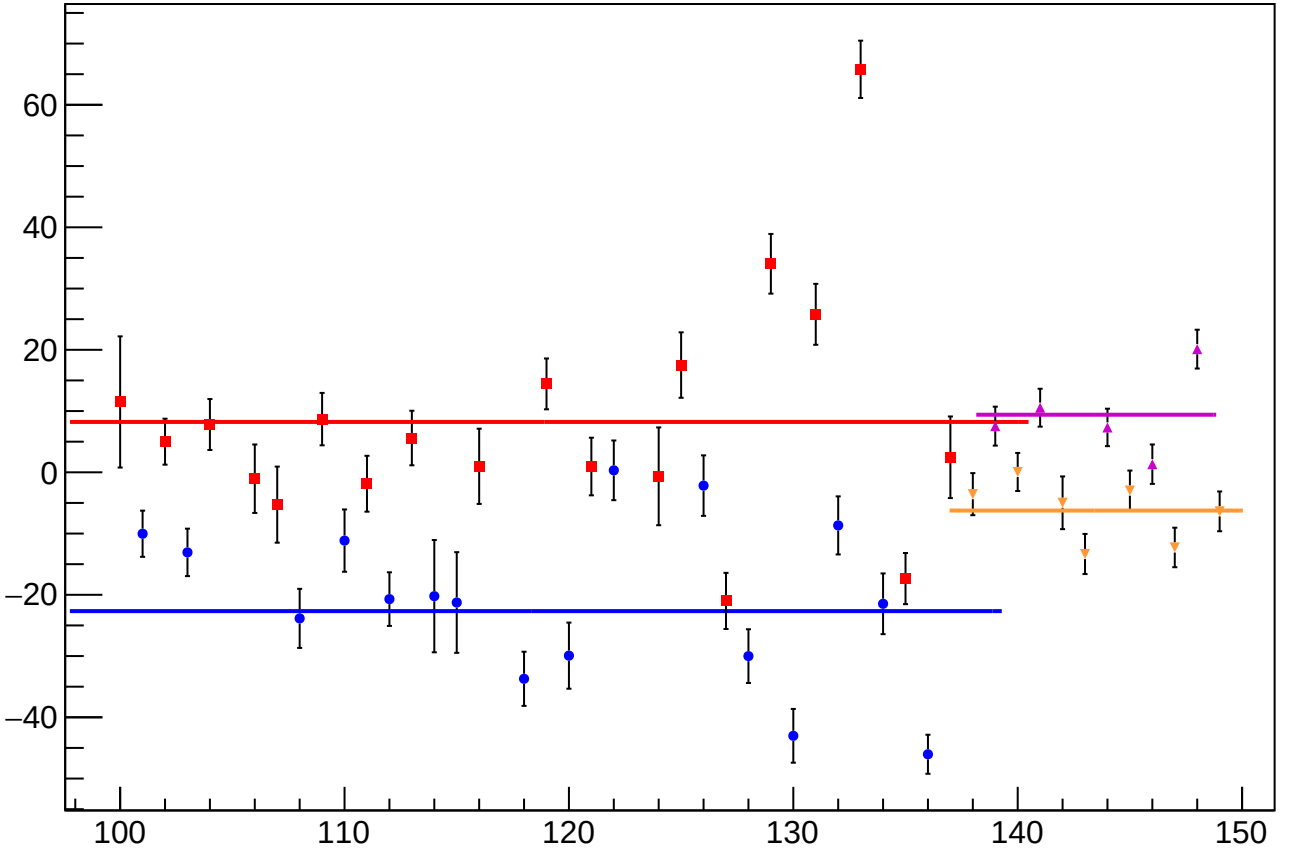
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1786.883+/-0.373 χ^2/NDF:122338.5/20

Out: 1776.375+/-0.352 χ^2/NDF:130383.2/25

All: 1781.321+/-0.256 χ^2/NDF: 253142.0/46

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.244+/-1.270 χ^2/NDF:14.0/6

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: 0.789+/-0.942 χ^2/NDF: 100.9/11

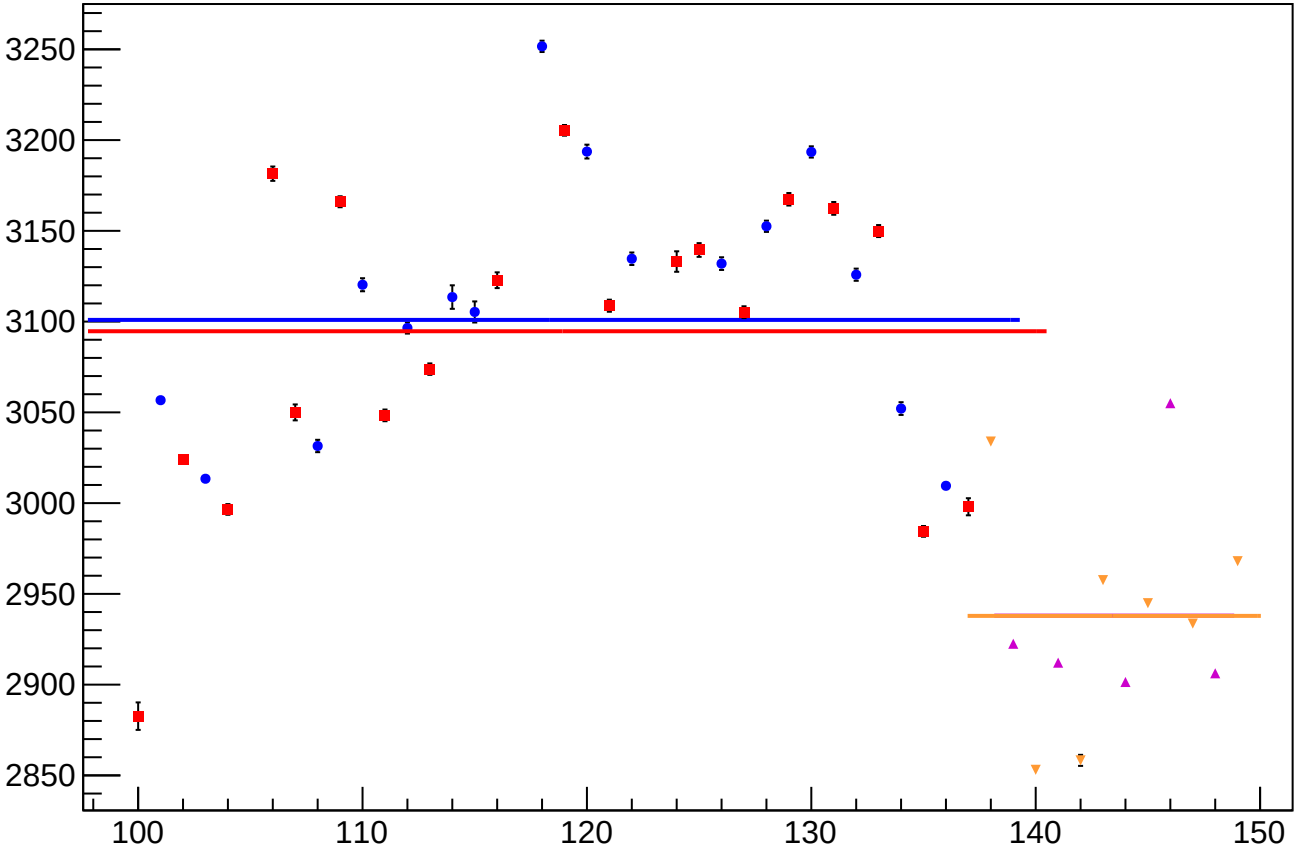
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -9.775+/-0.891 χ^2/NDF:487.3/20

Out: 1.837+/-0.844 χ^2/NDF:381.3/25

All: -3.653+/-0.613 χ^2/NDF: 958.2/46

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2937.880+/-0.898 χ^2/NDF:3994.7/6

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: 2937.941+/-0.666 χ^2/NDF: 7315.7/11

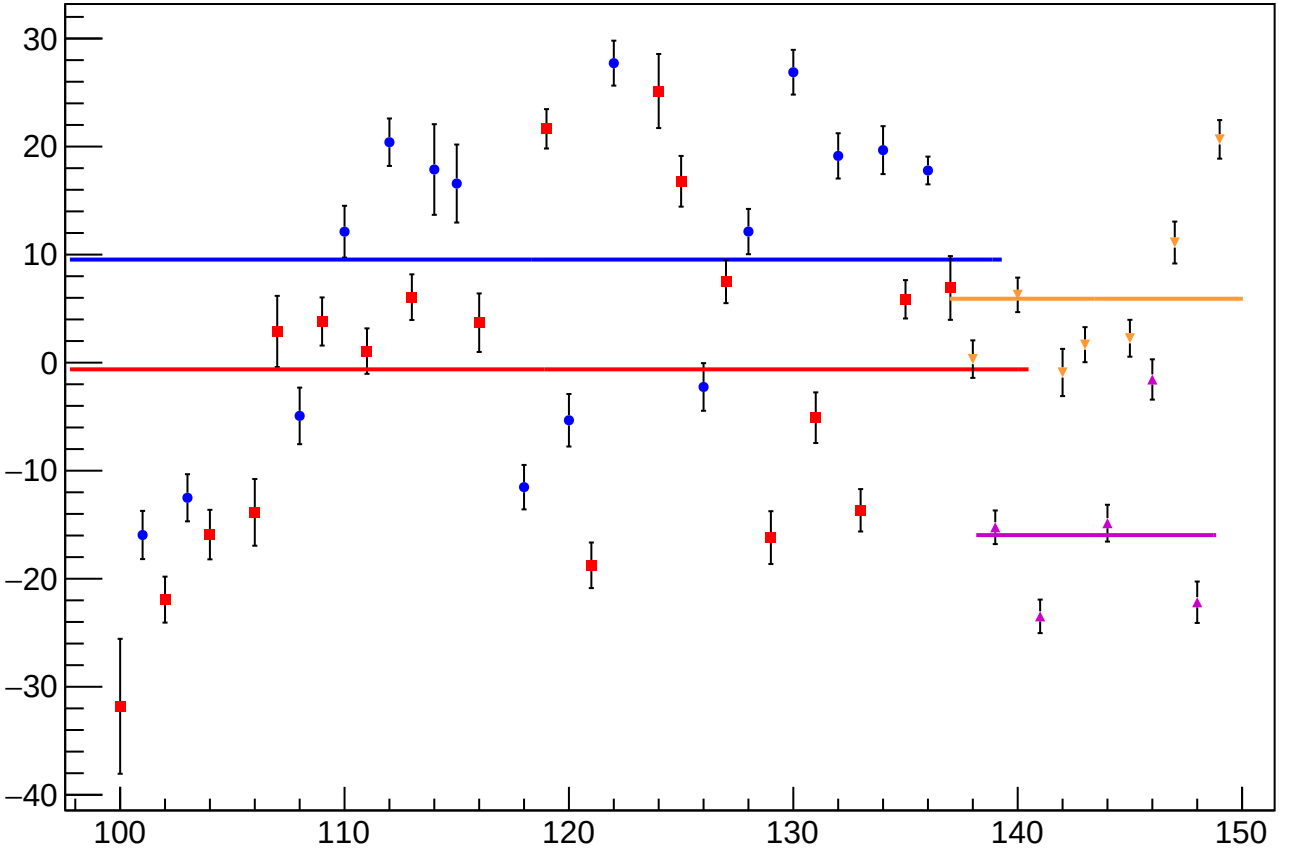
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3035.453+/-0.630 χ^2/NDF:27295.9/20

Out: 3025.469+/-0.597 χ^2/NDF:29616.0/25

All: 3030.190+/-0.433 χ^2/NDF: 57044.3/46

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.916+/-0.669 χ^2/NDF:107.0/6

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: -3.636+/-0.502 χ^2/NDF: 668.3/11

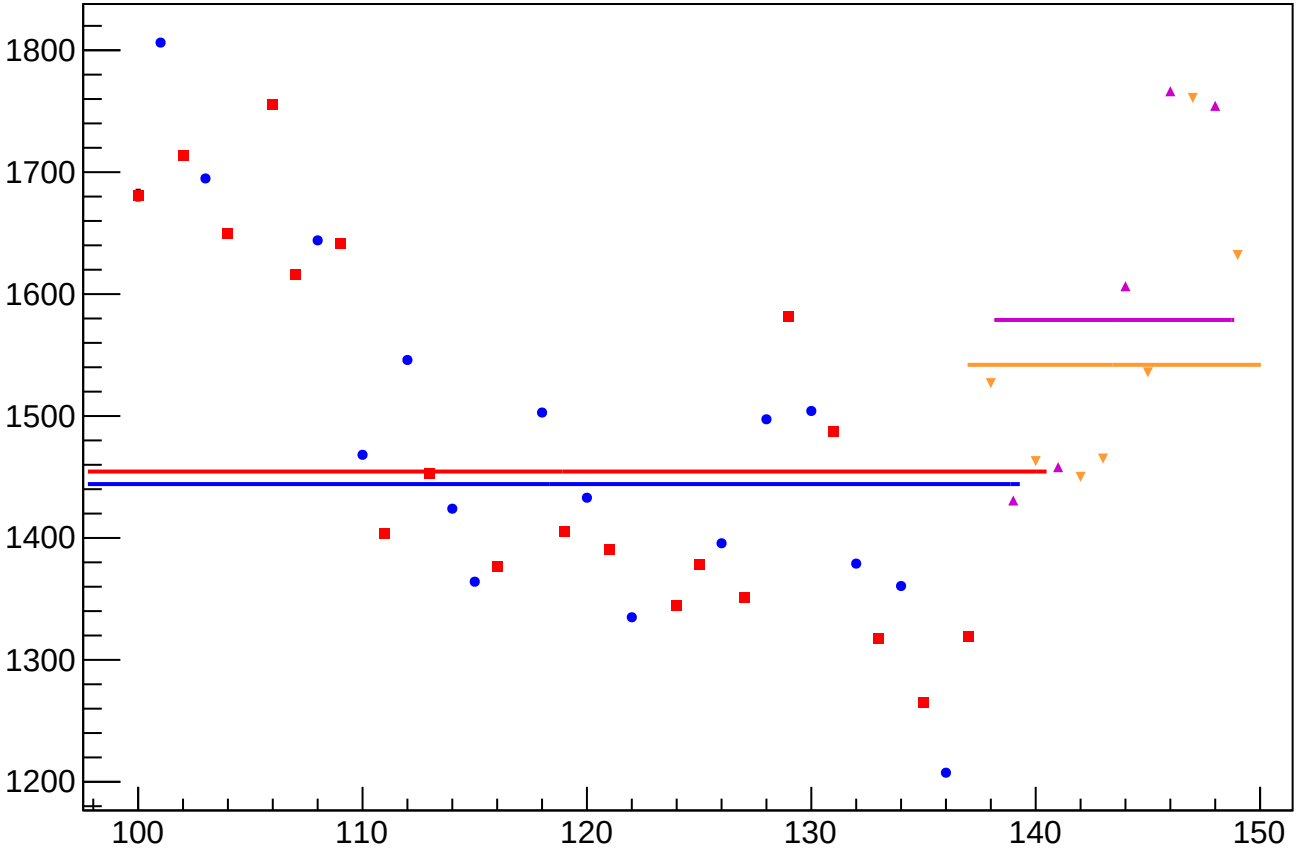
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 0.955+/-0.441 χ^2/NDF:1540.2/20

Out: 1.925+/-0.417 χ^2/NDF:831.1/25

All: 1.466+/-0.303 χ^2/NDF: 2373.9/46

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1541.994+/-0.473 χ^2/NDF:43687.9/6

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: 1558.065+/-0.355 χ^2/NDF: 114069.0/11

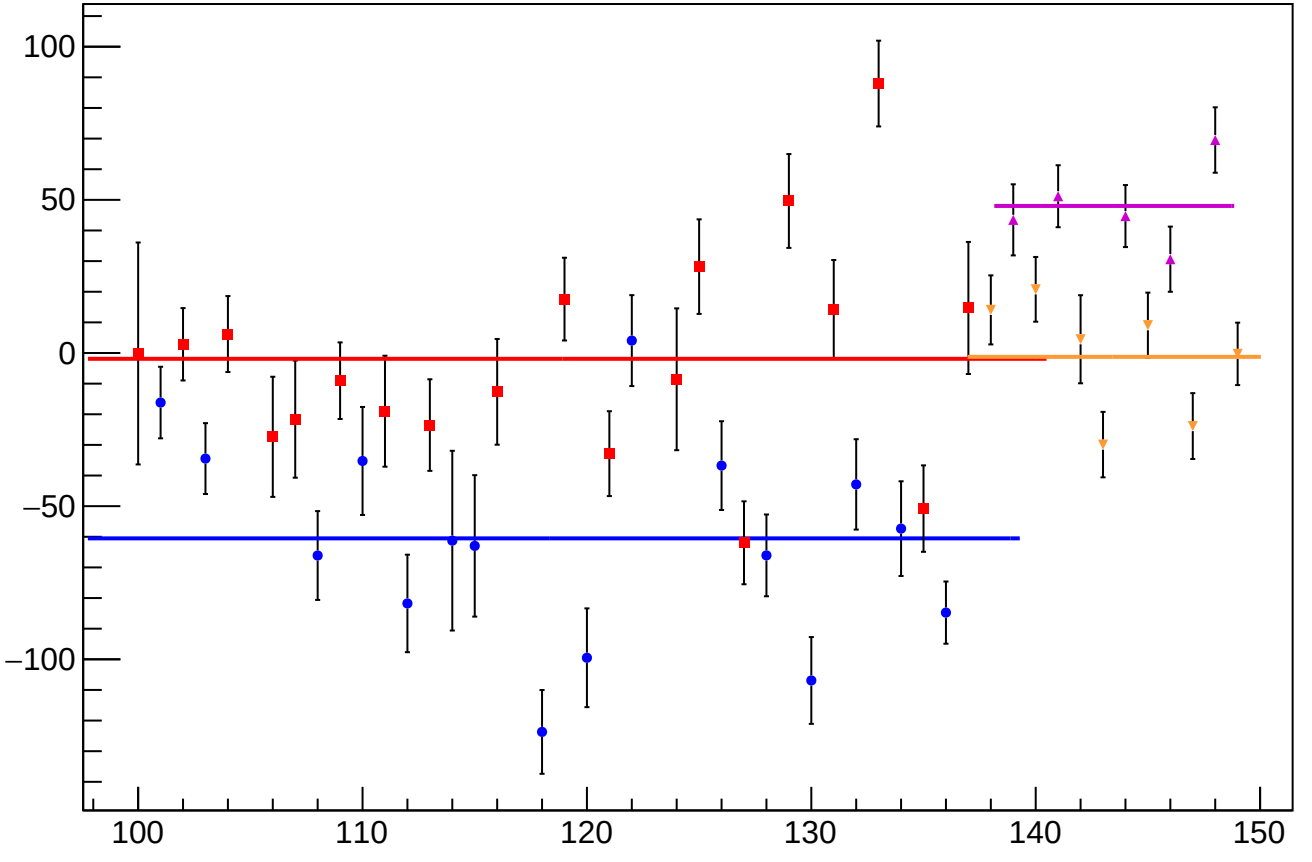
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1489.508+/-0.312 χ^2/NDF:289526.4/20

Out: 1488.547+/-0.295 χ^2/NDF:207371.0/25

All: 1489.001+/-0.214 χ^2/NDF: 496902.4/46

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -1.256+/-4.169 χ^2/NDF:18.9/6

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: 20.245+/-3.130 χ^2/NDF: 87.0/11

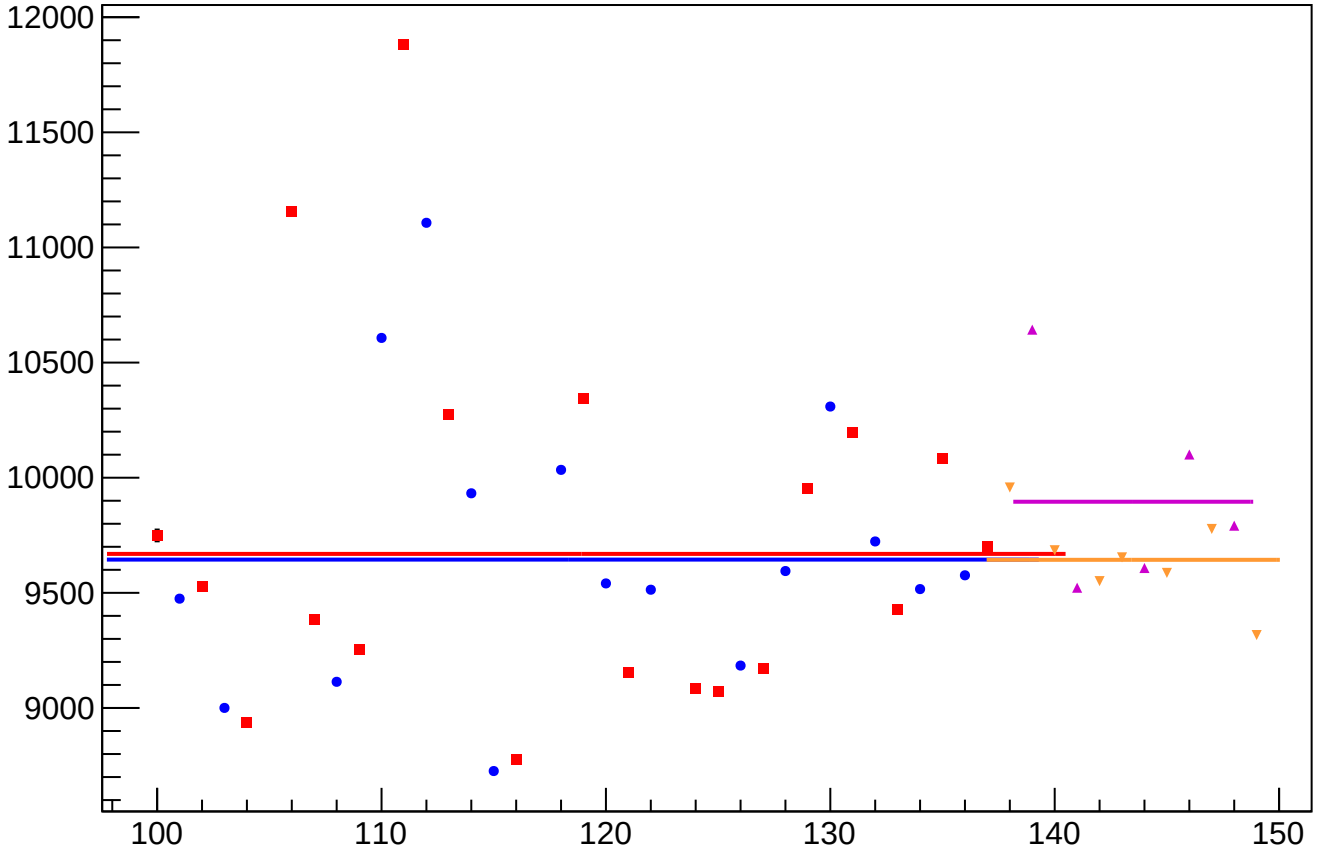
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -20.846+/-2.865 χ^2/NDF:430.3/20

Out: -1.626+/-2.700 χ^2/NDF:122.8/25

All: -10.667+/-1.965 χ^2/NDF: 576.9/46

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9643.417+/-2.948 χ^2/NDF:4093.0/6

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: 9753.492+/-2.213 χ^2/NDF: 20850.4/11

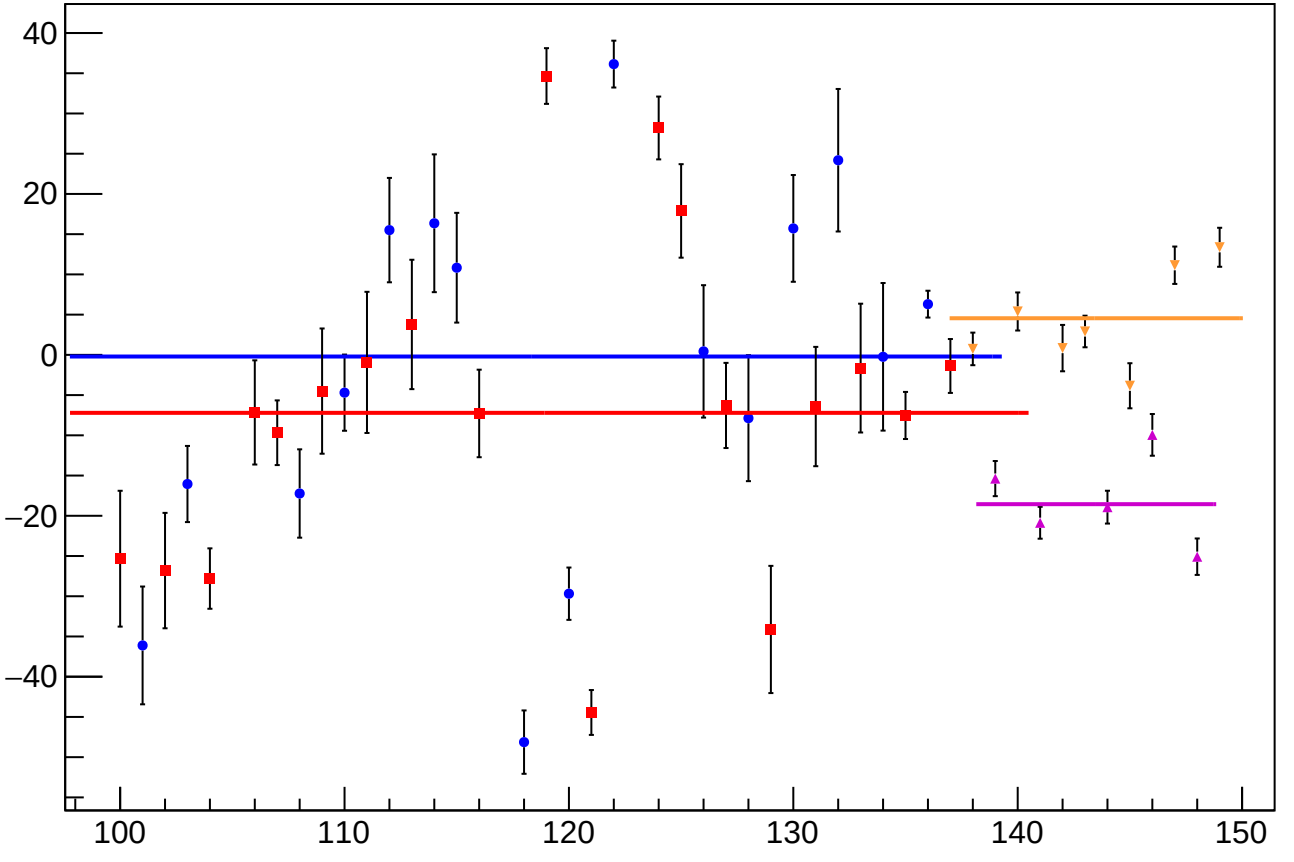
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9736.239+/-2.026 χ^2/NDF:61232.8/20

Out: 9658.351+/-1.909 χ^2/NDF:84015.3/25

All: 9694.990+/-1.389 χ^2/NDF: 146031.2/46

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.551+/-0.882 χ^2/NDF:36.3/6

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: -5.828+/-0.655 χ^2/NDF: 367.5/11

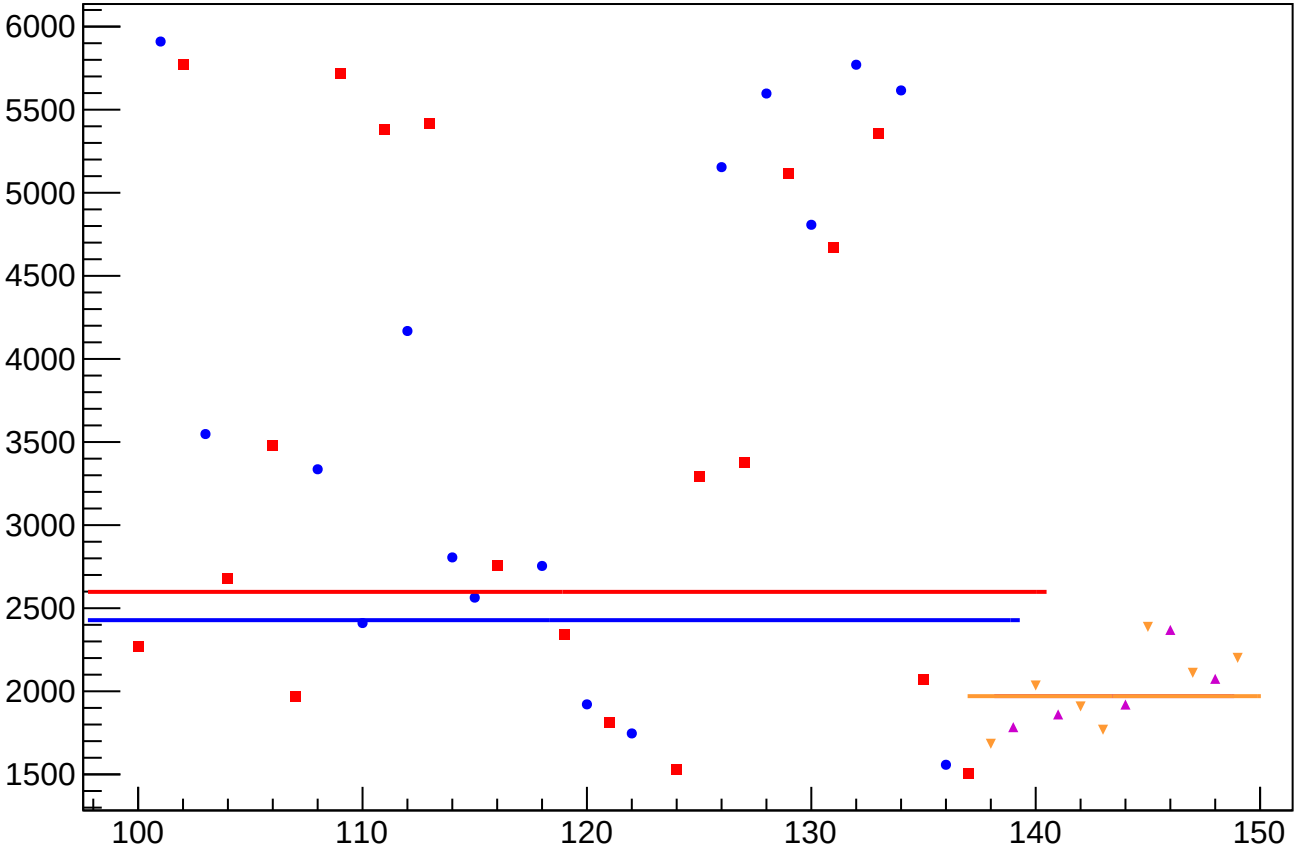
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -10.003+/-0.714 χ^2/NDF:661.1/20

Out: -0.186+/-0.682 χ^2/NDF:593.5/25

All: -4.869+/-0.493 χ^2/NDF: 1353.6/46

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1970.731+/-0.624 χ^2/NDF:133332.3/6

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: 1970.937+/-0.463 χ^2/NDF: 206833.1/11

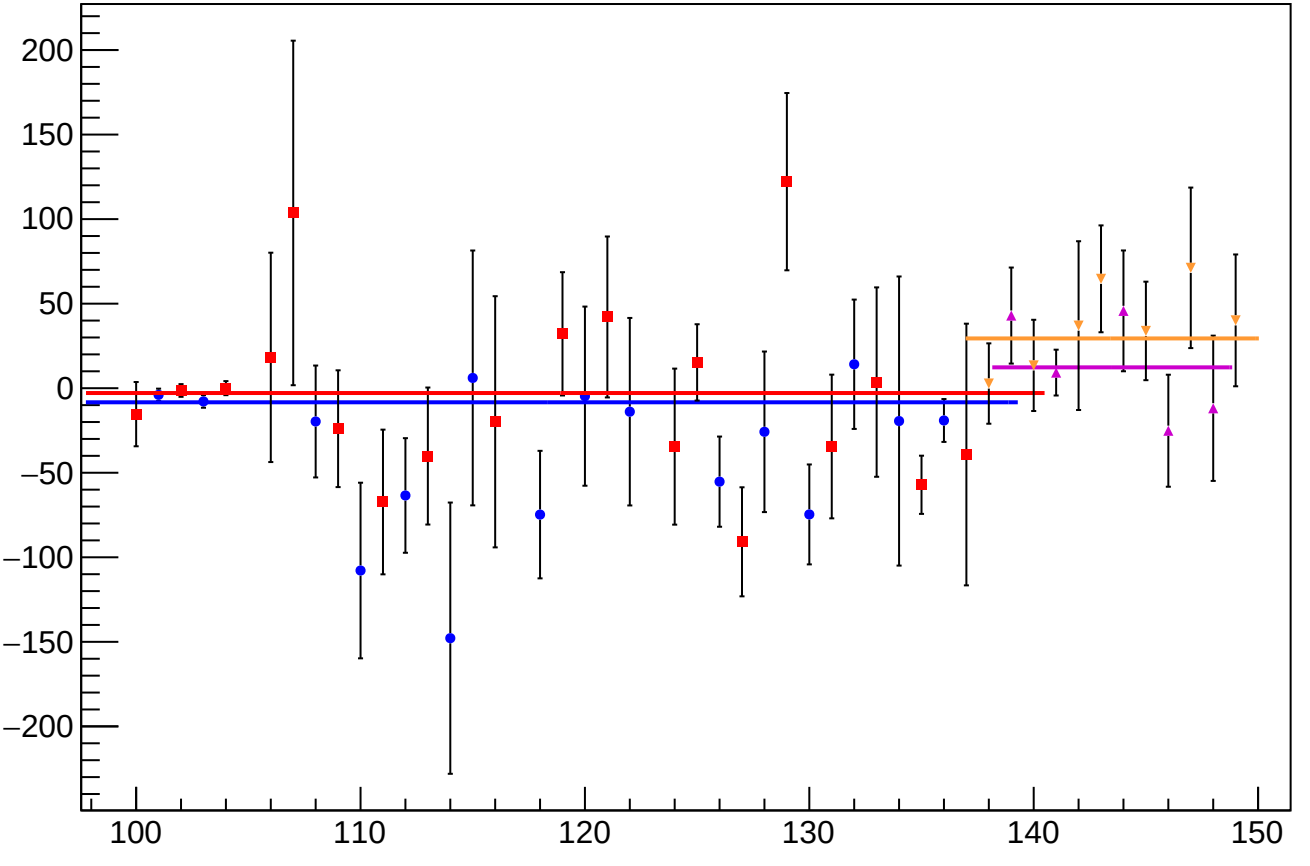
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2184.151+/-0.505 χ^2/NDF:3092813.0/20

Out: 2223.612+/-0.482 χ^2/NDF:3056297.9/25

All: 2204.791+/-0.349 χ^2/NDF: 6152309.0/46

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 29.435+/-12.102 χ^2/NDF:3.7/6

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: 19.746+/-7.968 χ^2/NDF: 8.6/11

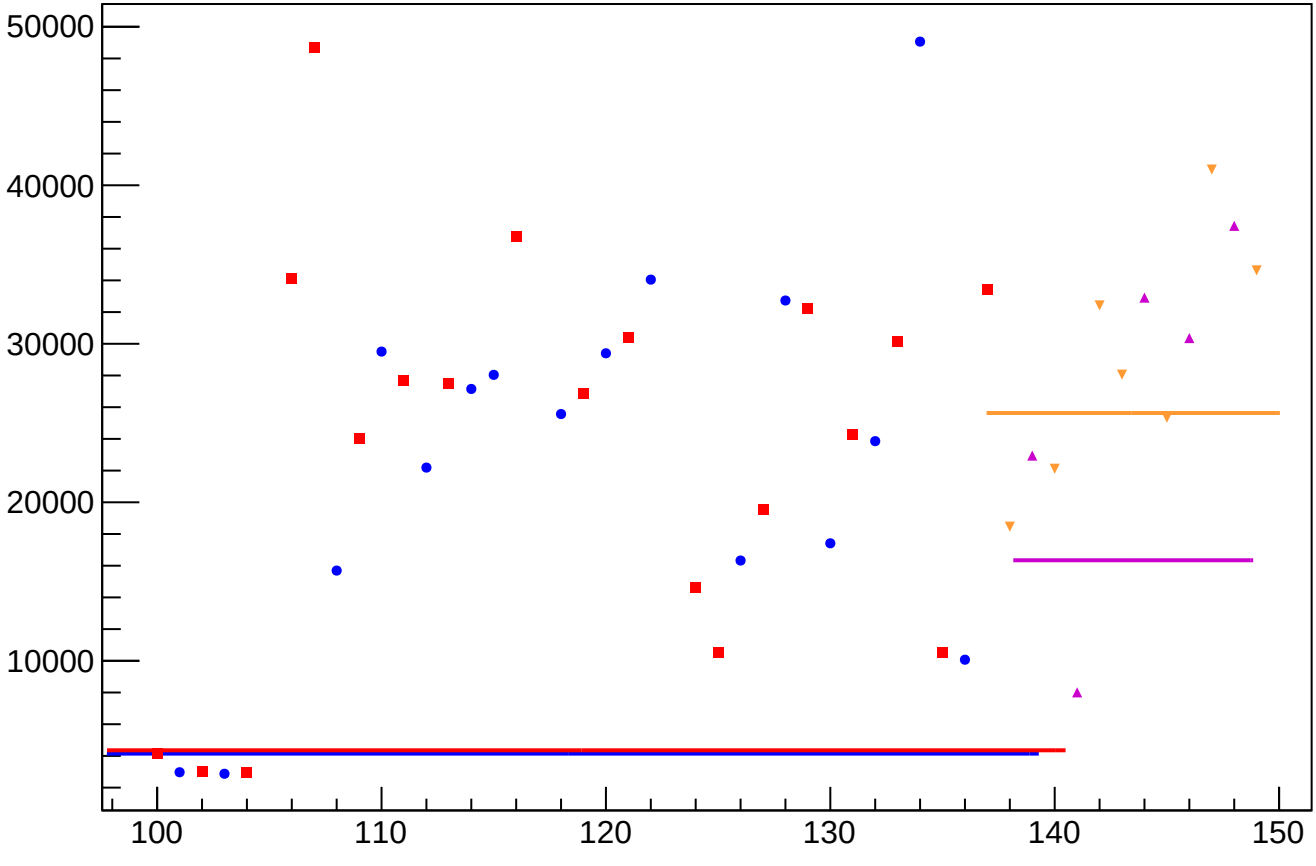
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.241+/-2.432 χ^2/NDF:30.7/20

Out: -1.382+/-2.579 χ^2/NDF:43.2/25

All: -4.483+/-1.770 χ^2/NDF: 76.6/46

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 25633.938+/-8.557 χ^2/NDF:580946.0/6

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: 20370.539+/-5.634 χ^2/NDF: 3384275.4/11

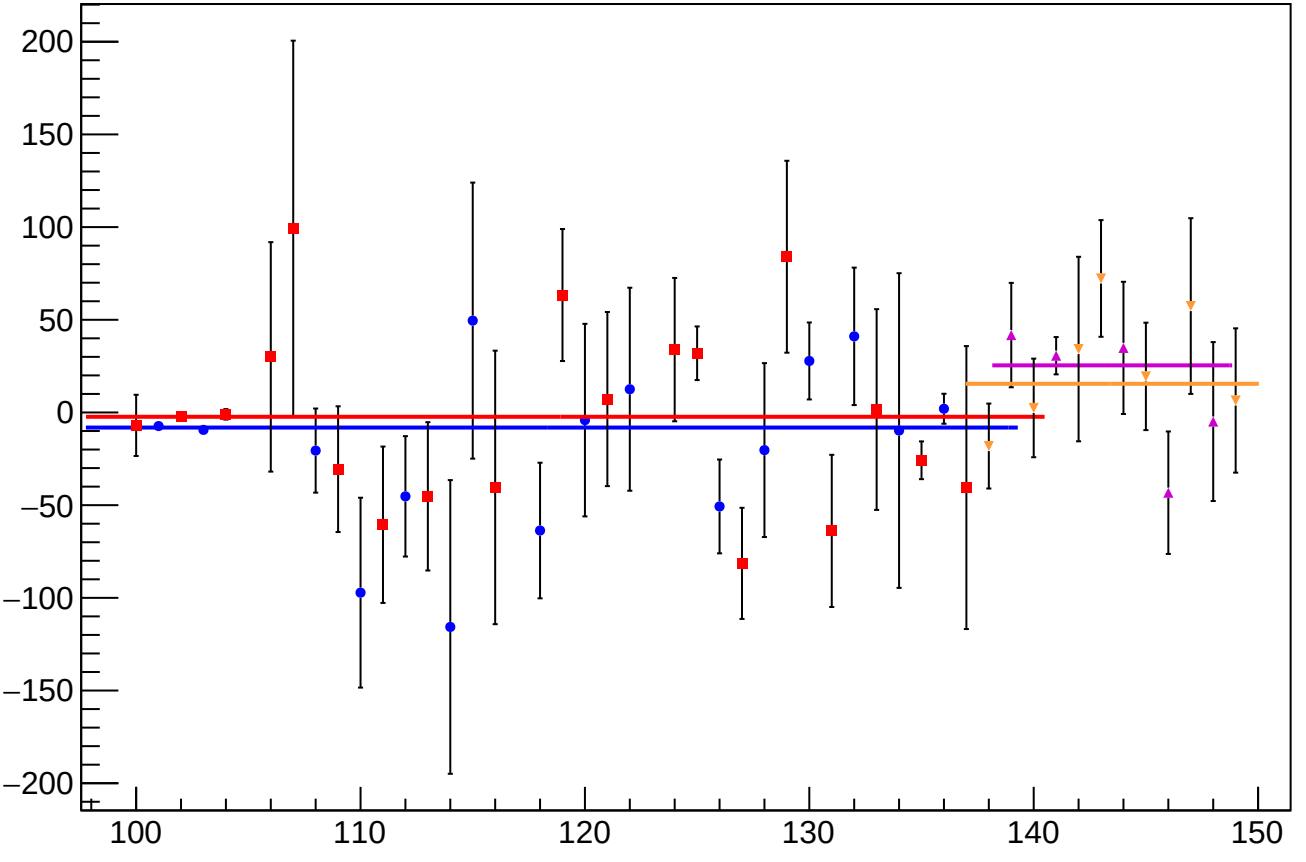
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4789.798+/-1.720 χ^2/NDF:11487322.4/20

Out: 5320.807+/-1.824 χ^2/NDF:14108680.4/25

All: 5039.799+/-1.251 χ^2/NDF: 25640874.4/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 15.478+/-11.929 χ^2/NDF:6.6/6

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: 21.993+/-7.000 χ^2/NDF: 12.6/11

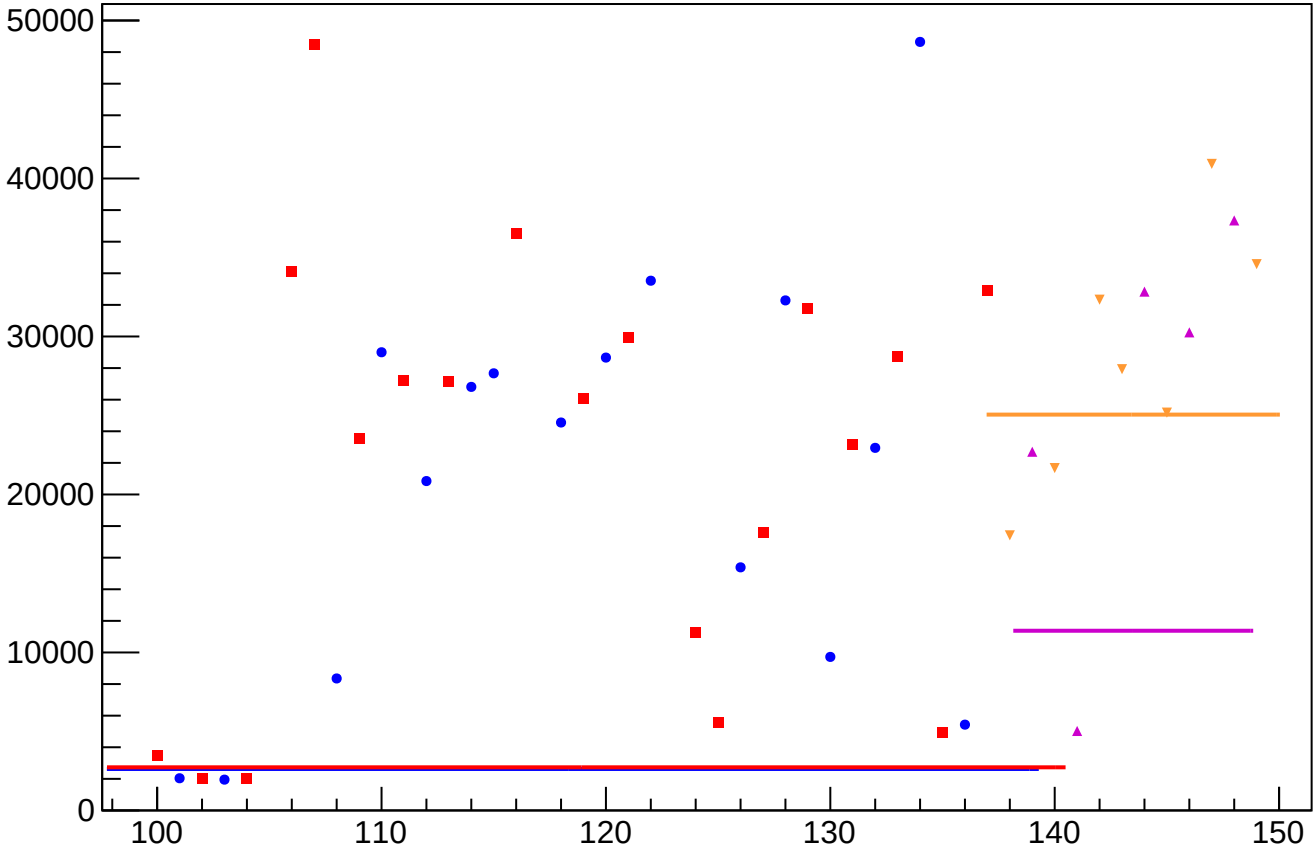
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.854+/-1.687 χ^2/NDF:39.1/20

Out: -1.919+/-1.801 χ^2/NDF:41.9/25

All: -4.547+/-1.231 χ^2/NDF: 85.0/46

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 25055.174+/-8.435 χ^2/NDF:658149.6/6

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: 16085.186+/-4.950 χ^2/NDF: 5614465.2/11

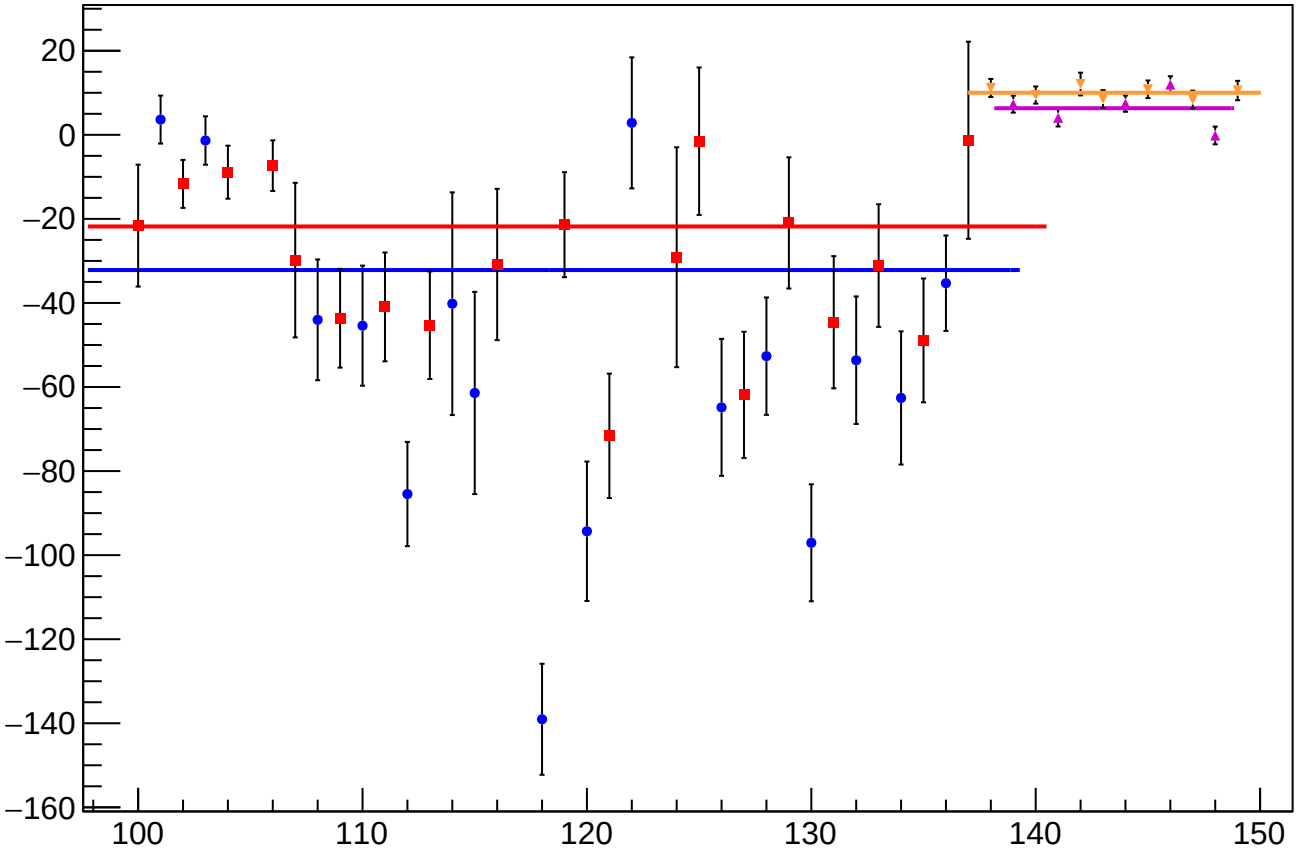
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2959.733+/-1.193 χ^2/NDF:11982764.9/20

Out: 3239.002+/-1.273 χ^2/NDF:15489632.1/25

All: 3090.292+/-0.871 χ^2/NDF: 27498010.7/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.010+/-0.828 χ^2/NDF:2.2/6

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: 8.324+/-0.610 χ^2/NDF: 30.7/11

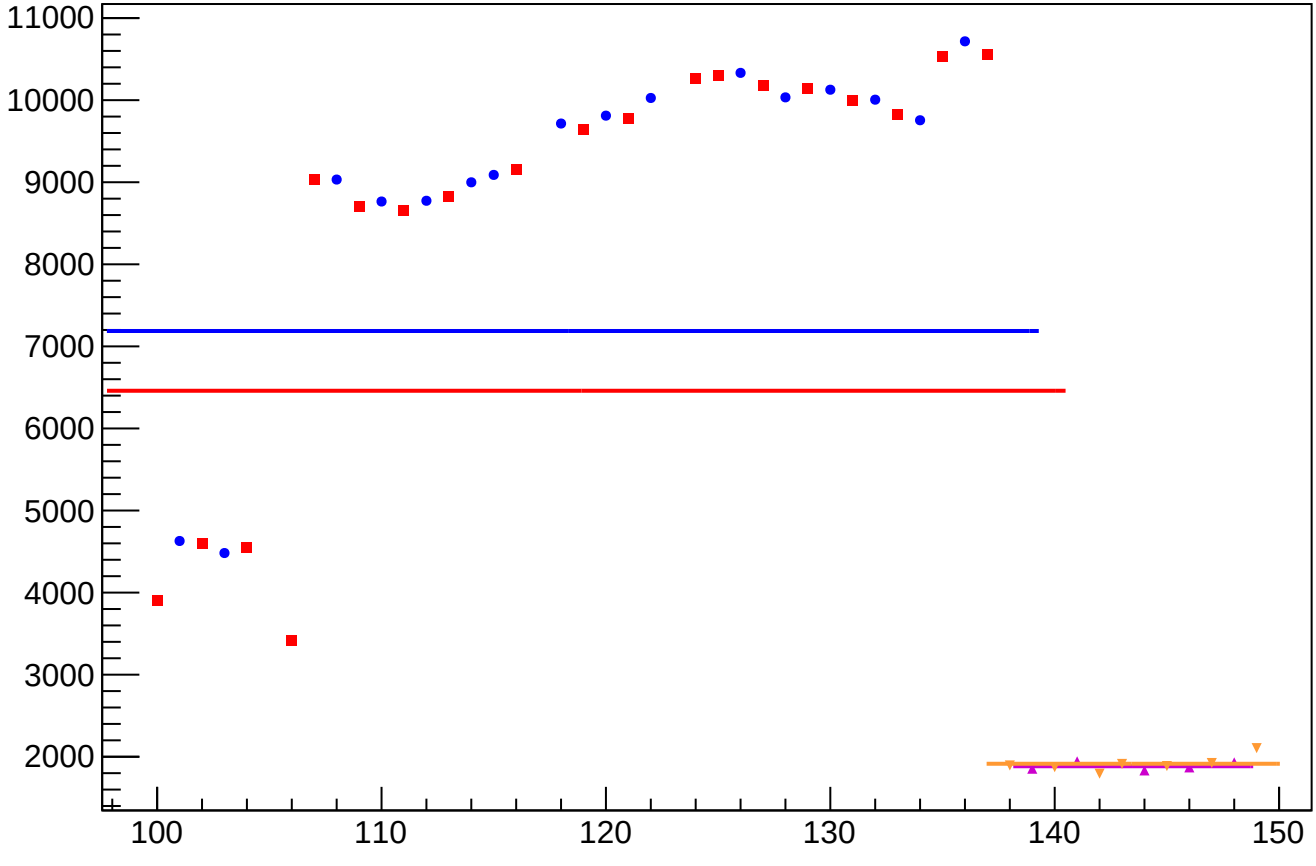
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.804+/-0.860 χ^2/NDF:393.9/20

Out: 6.989+/-0.788 χ^2/NDF:191.3/25

All: 5.077+/-0.581 χ^2/NDF: 598.1/46

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1914.532+/-0.586 χ^2/NDF:19065.6/6

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: 1900.696+/-0.431 χ^2/NDF: 24847.3/11

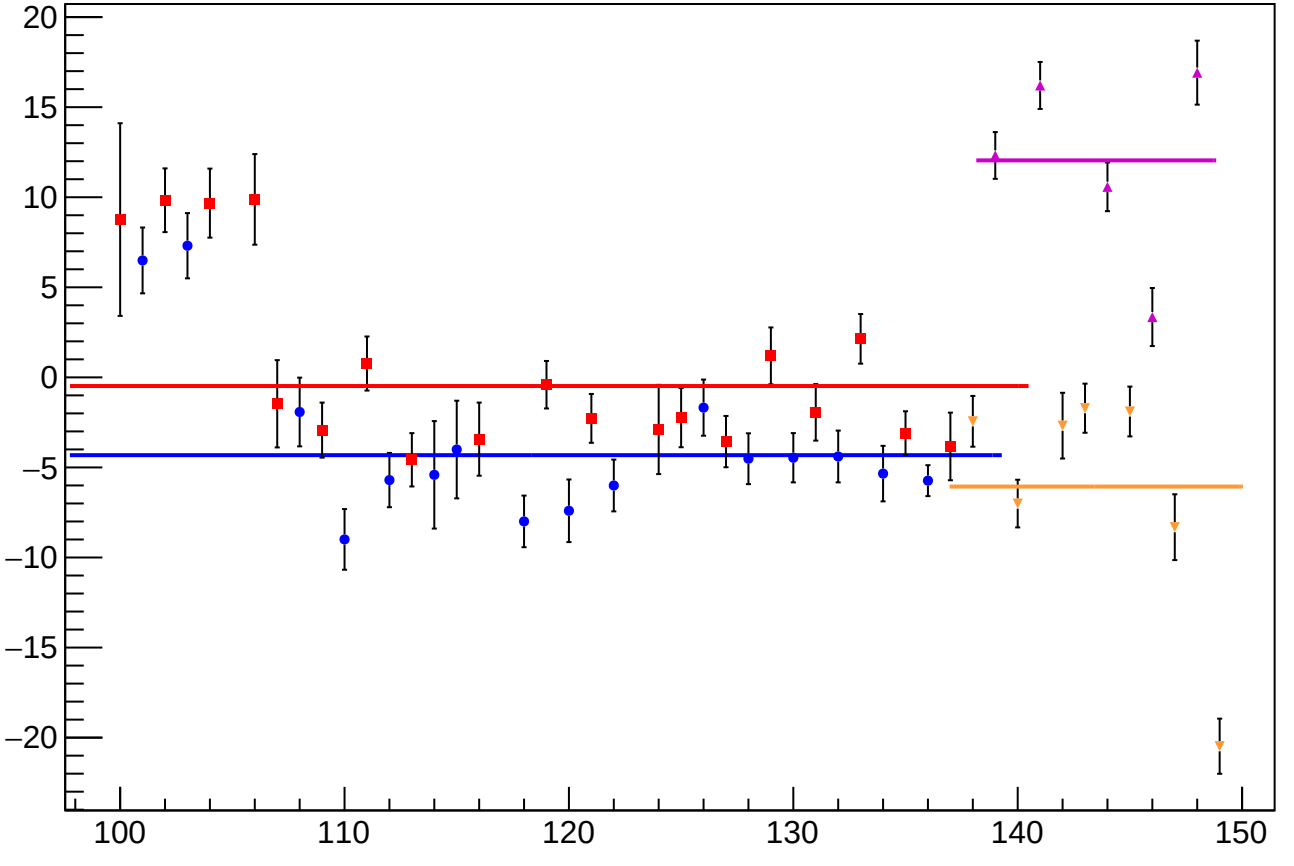
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2369.484+/-0.608 χ^2/NDF:8038218.6/20

Out: 2346.192+/-0.557 χ^2/NDF:8012082.7/25

All: 2356.830+/-0.411 χ^2/NDF: 16051099.2/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -6.062+/-0.562 χ^2/NDF:120.0/6

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 12.046+/-0.642 χ^2/NDF:48.0/4

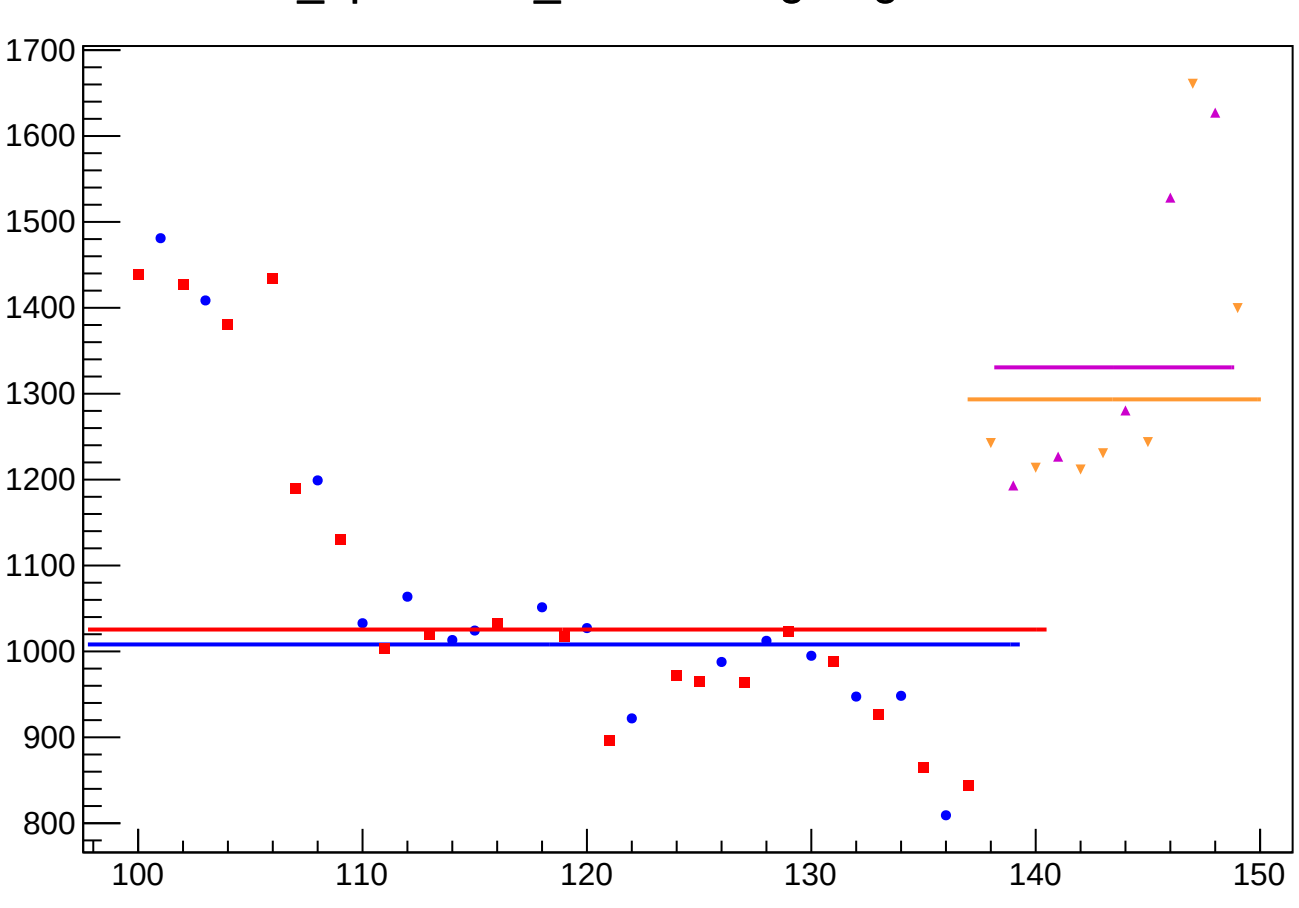
Left: 1.805+/-0.423 χ^2/NDF: 618.6/11

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -0.073+/-0.327 χ^2/NDF:633.6/20

Out: -2.222+/-0.314 χ^2/NDF:305.0/25

All: -1.190+/-0.226 χ^2/NDF: 961.1/46



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1293.417+/-0.398 χ^2/NDF:111203.5/6

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: 1309.604+/-0.299 χ^2/NDF: 238736.7/11

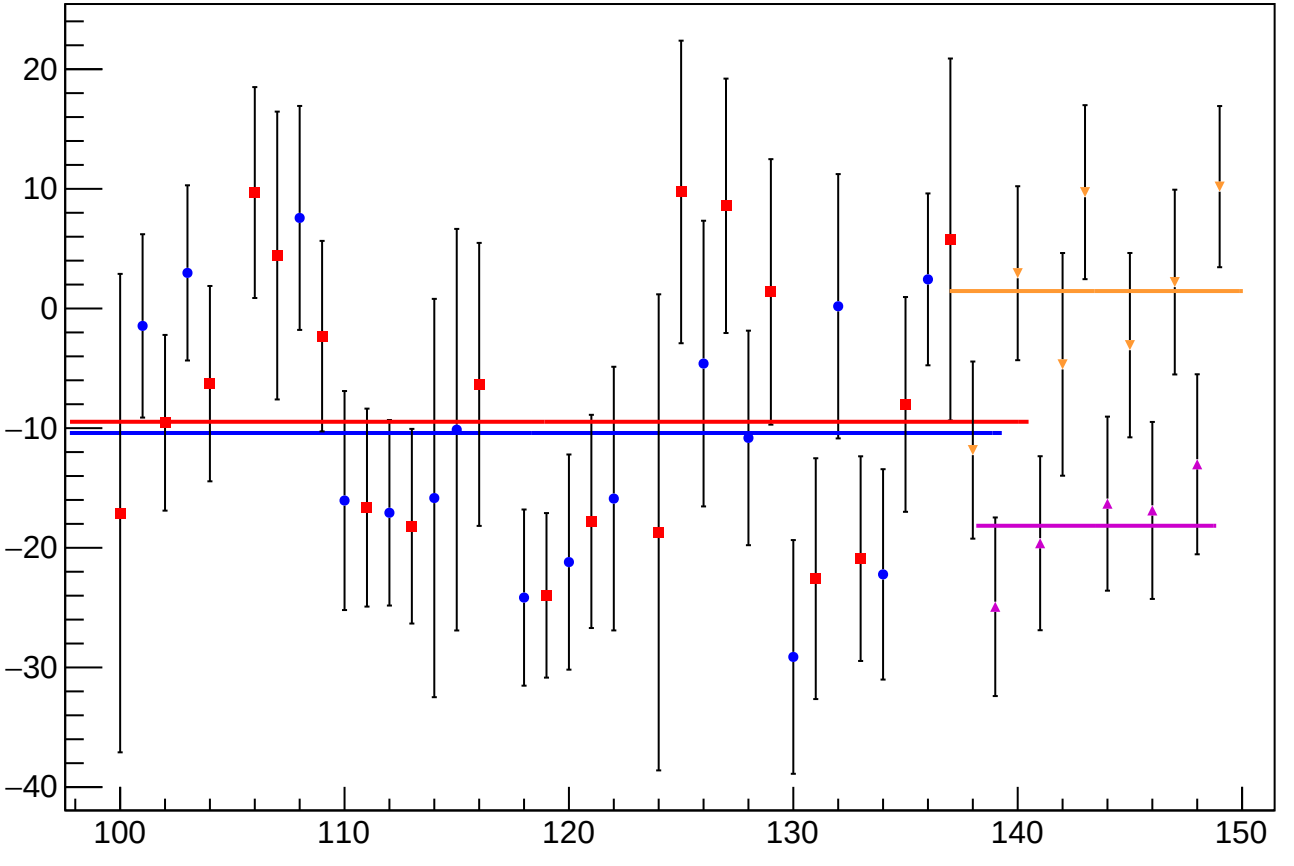
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1091.814+/-0.231 χ^2/NDF:876990.7/20

Out: 1109.085+/-0.222 χ^2/NDF:769631.2/25

All: 1100.792+/-0.160 χ^2/NDF: 1649525.9/46

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.458+/-2.848 χ^2/NDF:7.0/6

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: -6.909+/-2.157 χ^2/NDF: 28.7/11

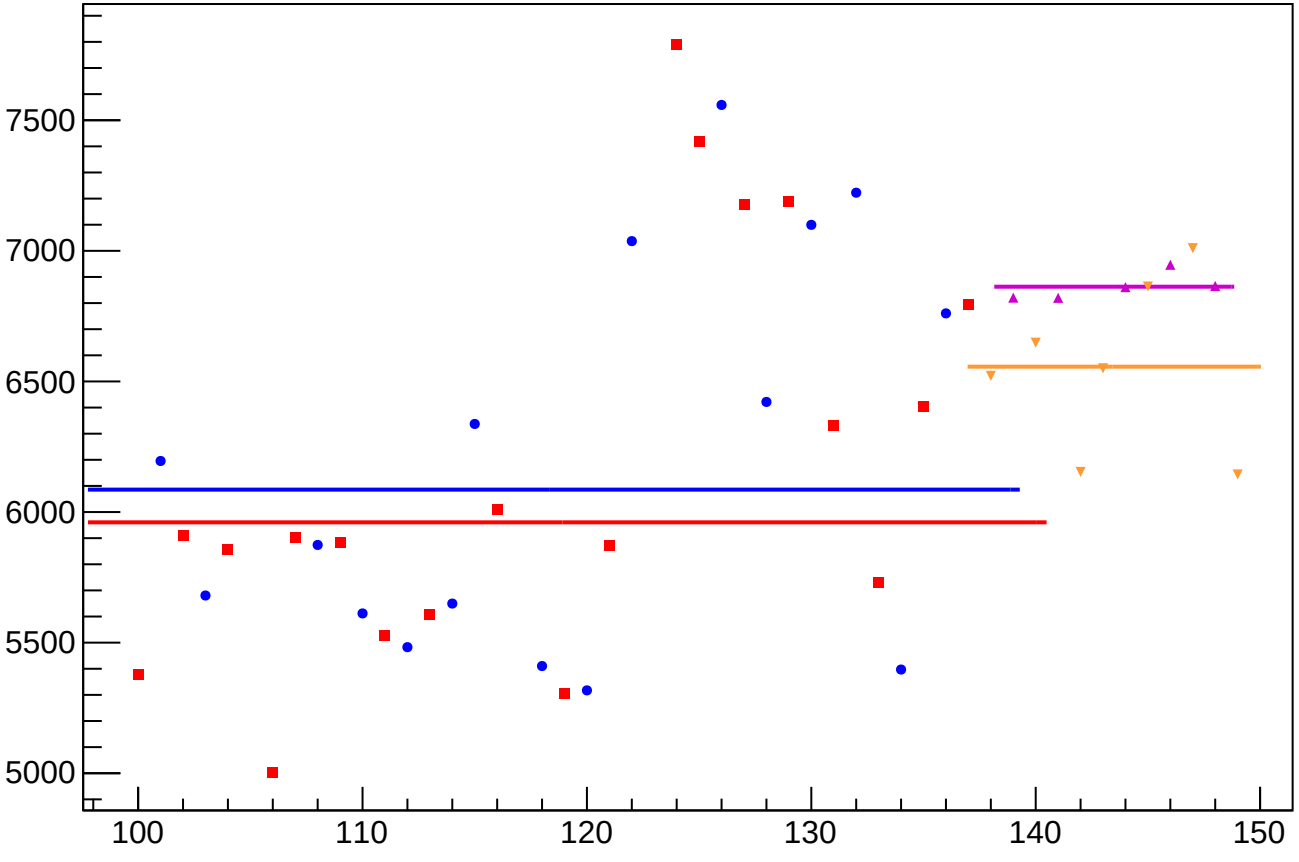
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.907+/-1.876 χ^2/NDF:29.8/20

Out: -5.405+/-1.736 χ^2/NDF:41.6/25

All: -8.866+/-1.274 χ^2/NDF: 80.0/46

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6556.634+/-2.014 χ^2/NDF:21703.9/6

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6862.723+/-2.335 χ^2/NDF:389.5/4

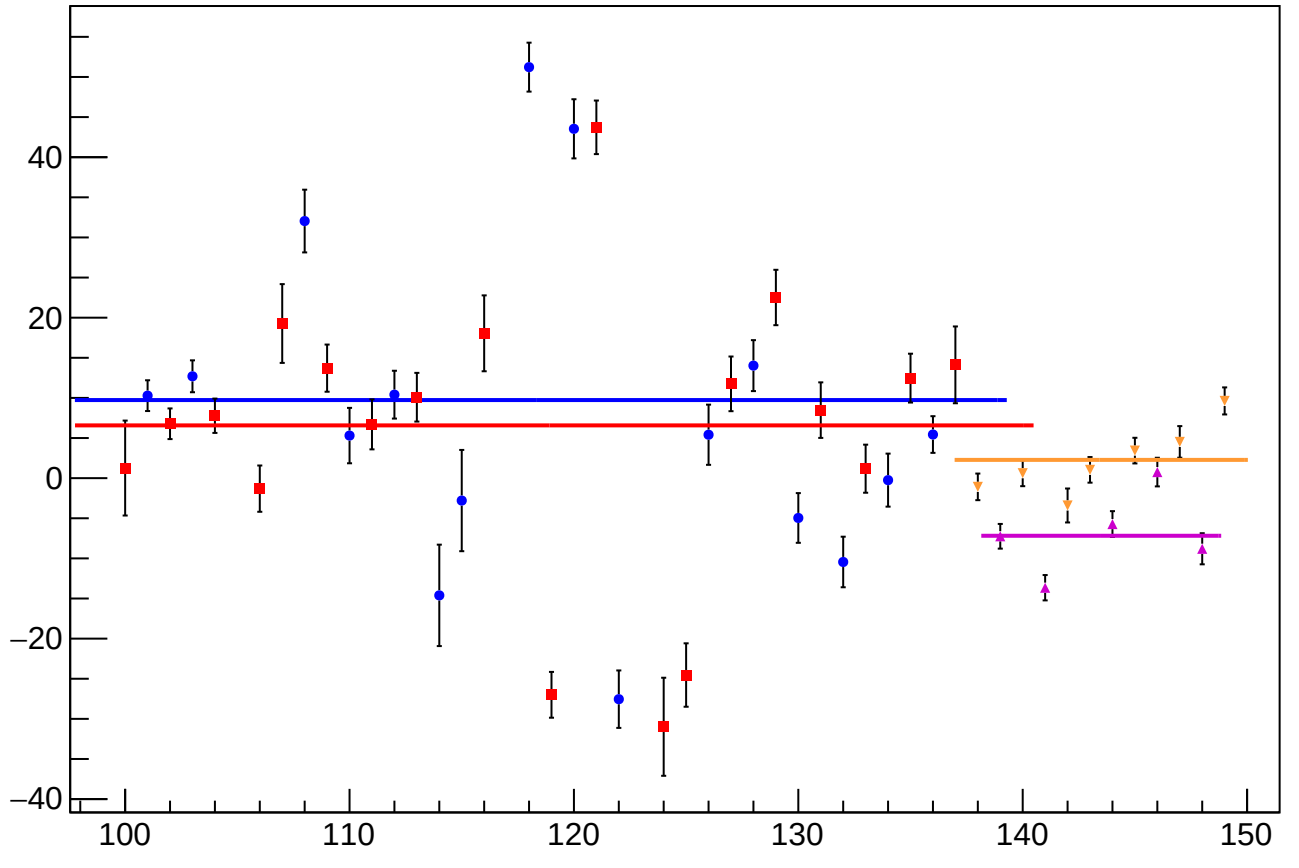
Left: 6687.196+/-1.525 χ^2/NDF: 31948.7/11

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6336.682+/-1.327 χ^2/NDF:254469.2/20

Out: 6182.216+/-1.228 χ^2/NDF:239509.3/25

All: 6253.484+/-0.901 χ^2/NDF: 501280.1/46



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.276+/-0.650 χ^2/NDF:33.8/6

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.180+/-0.748 χ^2/NDF:38.1/4

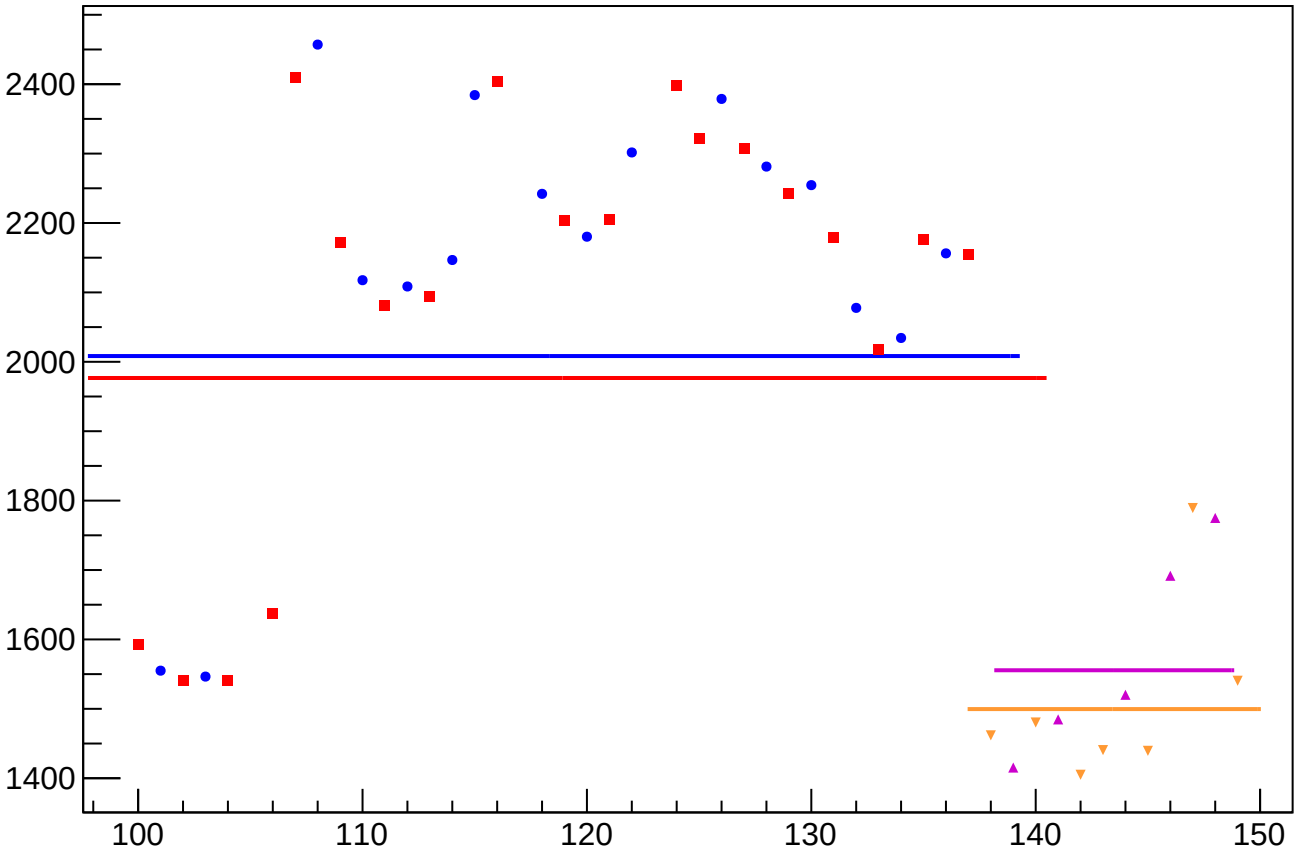
Left: -1.798+/-0.491 χ^2/NDF: 163.0/11

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 1.193+/-0.531 χ^2/NDF:803.9/20

Out: 4.178+/-0.486 χ^2/NDF:476.9/25

All: 2.819+/-0.358 χ^2/NDF: 1298.0/46



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1499.637+/-0.460 χ^2/NDF:55363.8/6

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: 1523.733+/-0.347 χ^2/NDF: 120599.9/11

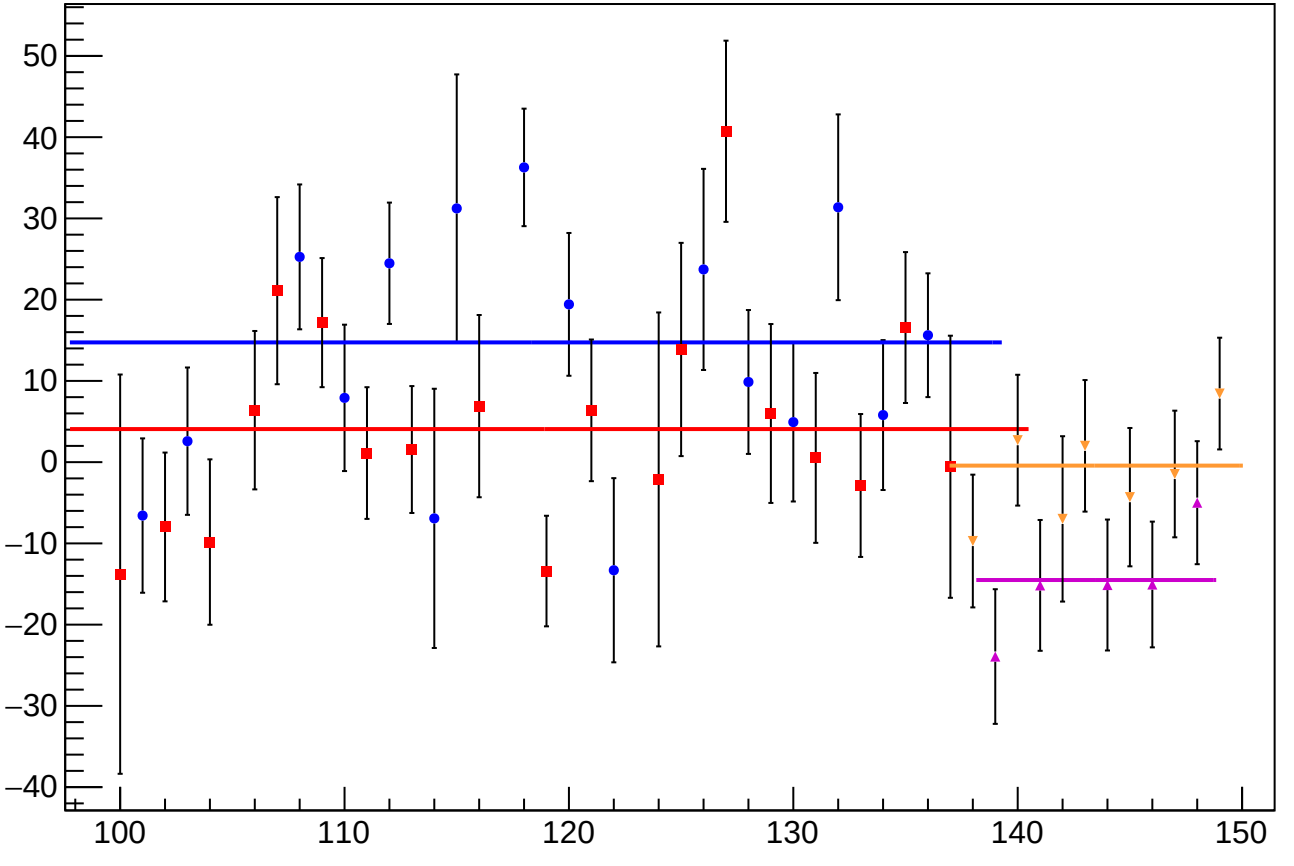
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1779.698+/-0.376 χ^2/NDF:766441.3/20

Out: 1710.615+/-0.343 χ^2/NDF:896654.5/25

All: 1742.073+/-0.253 χ^2/NDF: 1681520.9/46

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -0.426+/-3.061 χ^2/NDF:3.8/6

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -14.507+/-3.546 χ^2/NDF:2.9/4

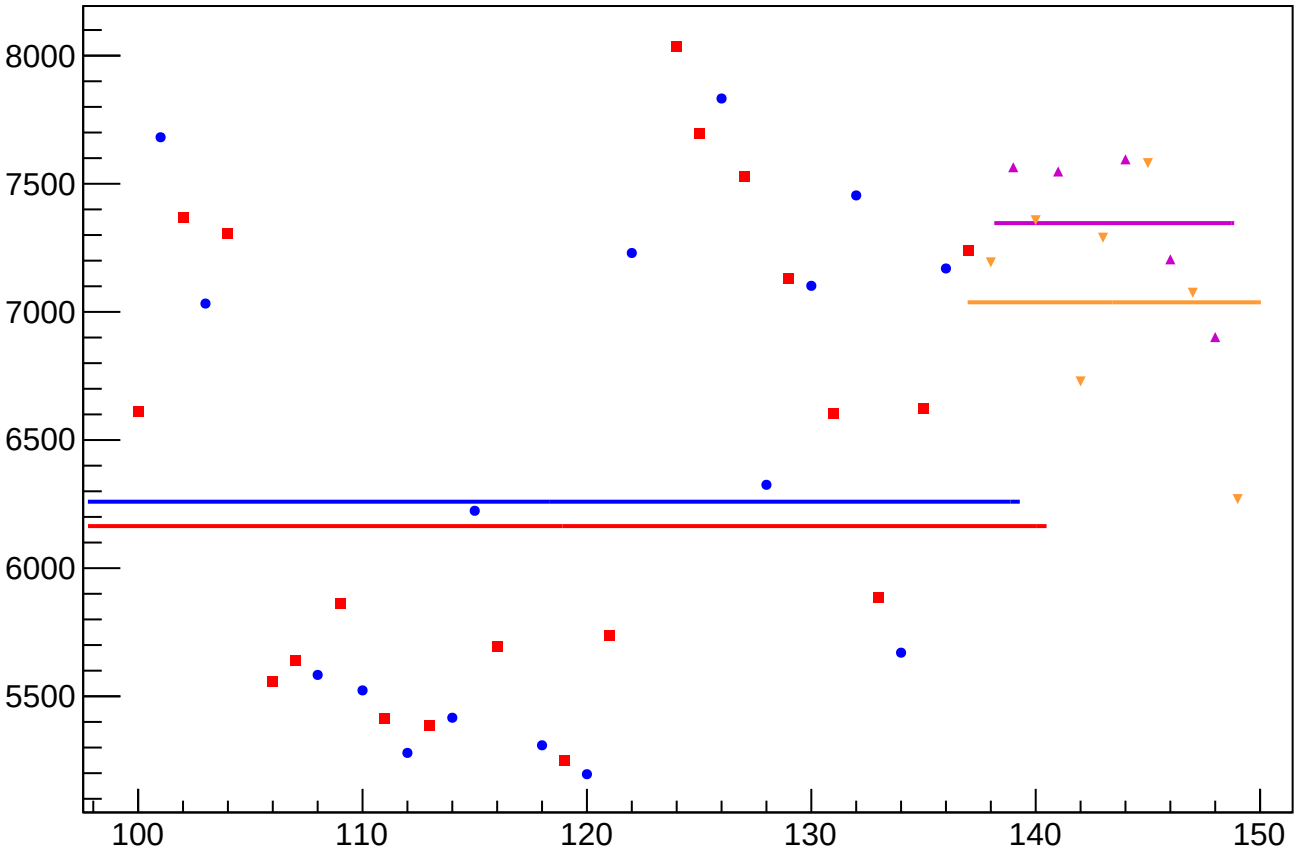
Left: -6.439+/-2.317 χ^2/NDF: 15.8/11

Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 5.774+/-1.963 χ^2/NDF:83.6/20

Out: 2.473+/-1.825 χ^2/NDF:35.4/25

All: 4.003+/-1.337 χ^2/NDF: 120.5/46



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7037.419+/-2.165 χ^2/NDF:40799.9/6

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: 7169.421+/-1.638 χ^2/NDF: 61624.8/11

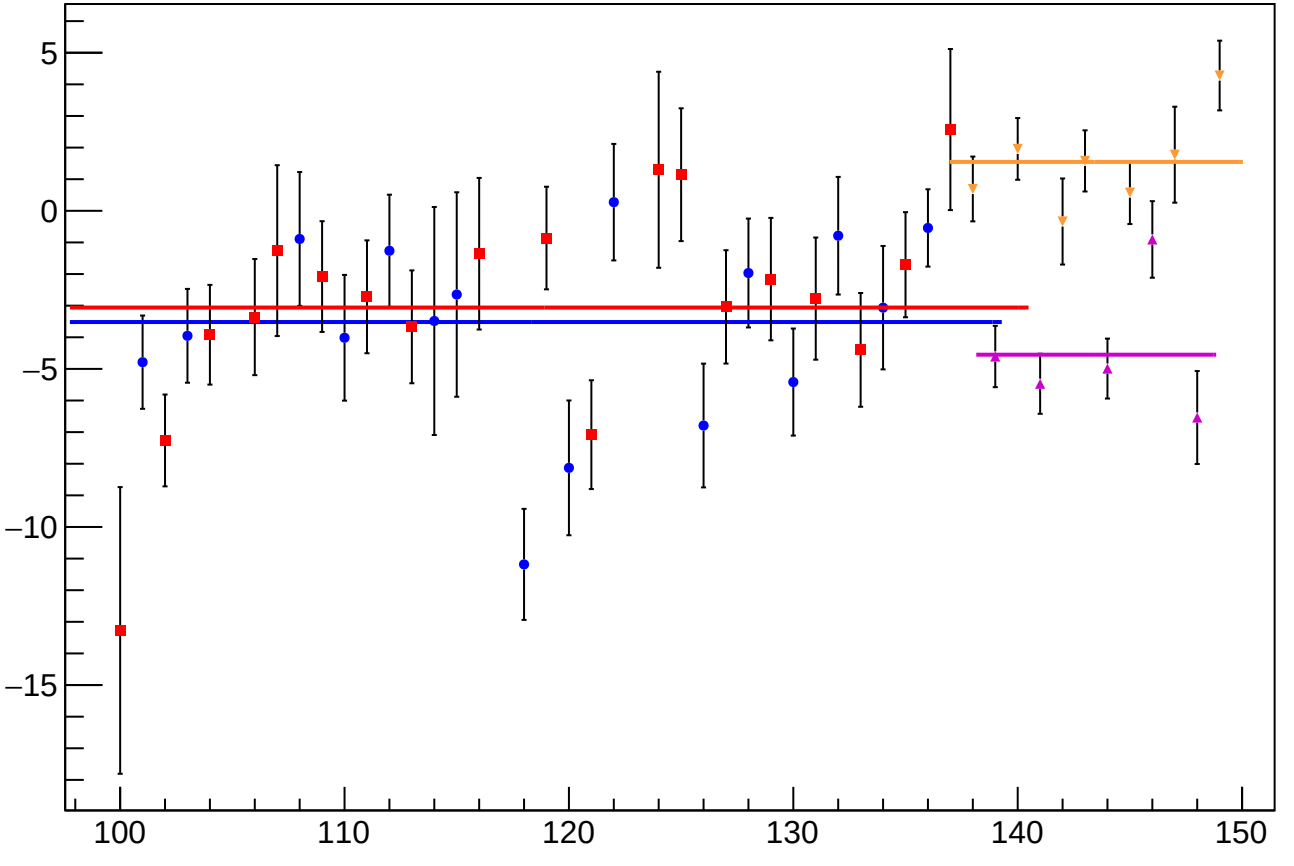
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6592.676+/-1.388 χ^2/NDF:451082.6/20

Out: 6474.644+/-1.291 χ^2/NDF:410755.6/25

All: 6529.367+/-0.945 χ^2/NDF: 865715.6/46

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.547+/-0.413 χ^2/NDF:9.9/6

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: -1.073+/-0.312 χ^2/NDF: 115.8/11

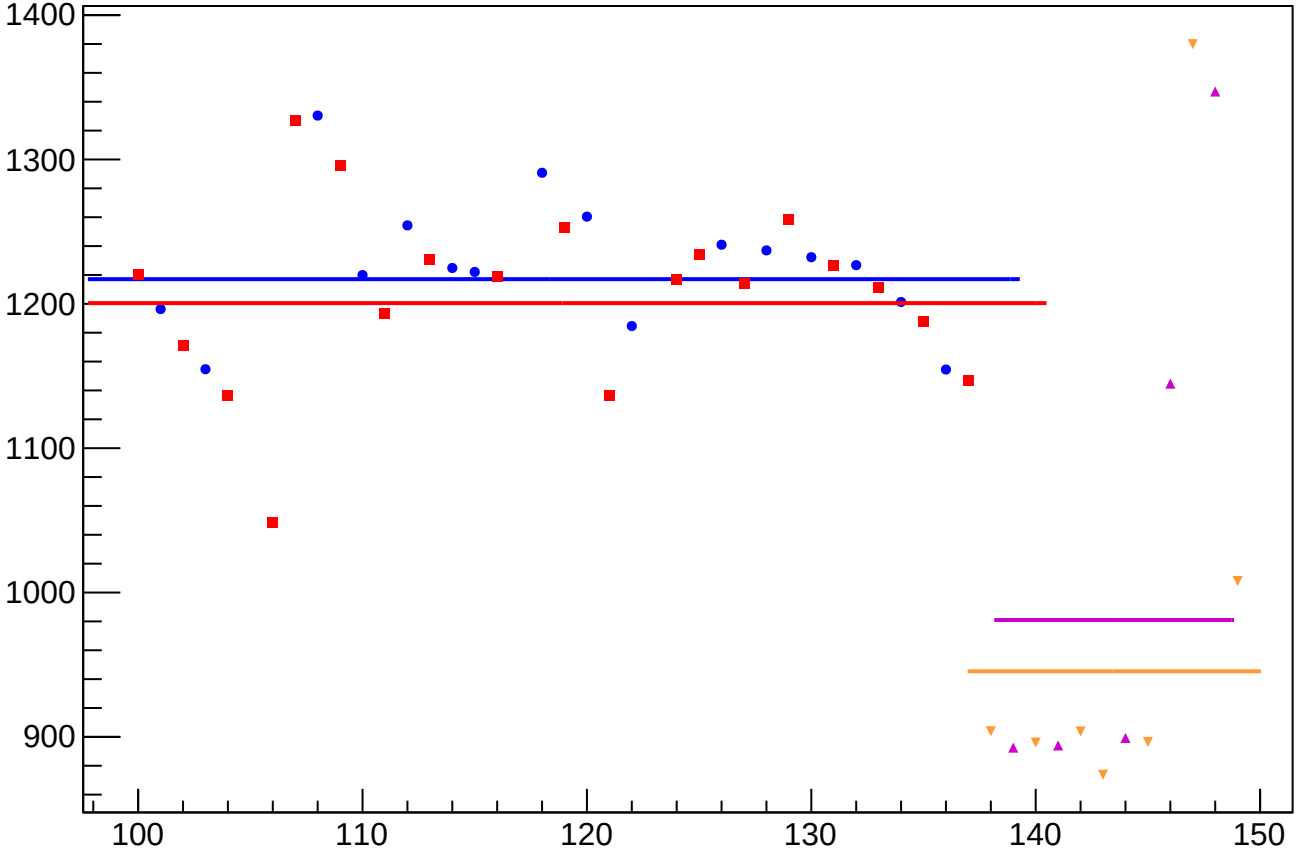
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.009+/-0.328 χ^2/NDF:59.6/20

Out: -0.616+/-0.300 χ^2/NDF:103.3/25

All: -2.166+/-0.221 χ^2/NDF: 221.1/46

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 945.433+/-0.292 χ^2/NDF:196359.0/6

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: 960.704+/-0.220 χ^2/NDF: 411460.2/11

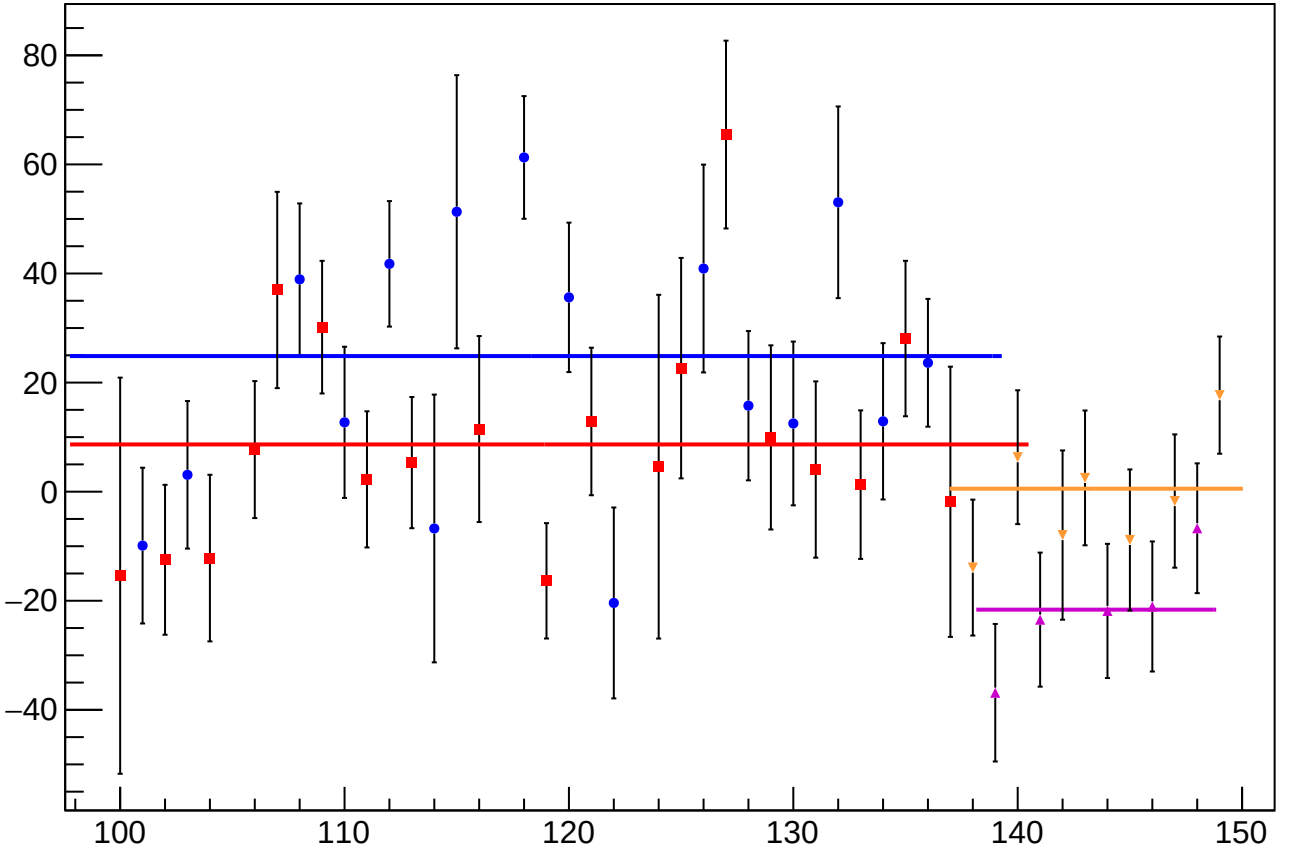
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1104.856+/-0.232 χ^2/NDF:489369.5/20

Out: 1065.230+/-0.212 χ^2/NDF:593137.1/25

All: 1083.325+/-0.157 χ^2/NDF: 1098397.2/46

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: 0.548+/-4.707 χ^2/NDF:5.0/6

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -21.630+/-5.454 χ^2/NDF:3.1/4

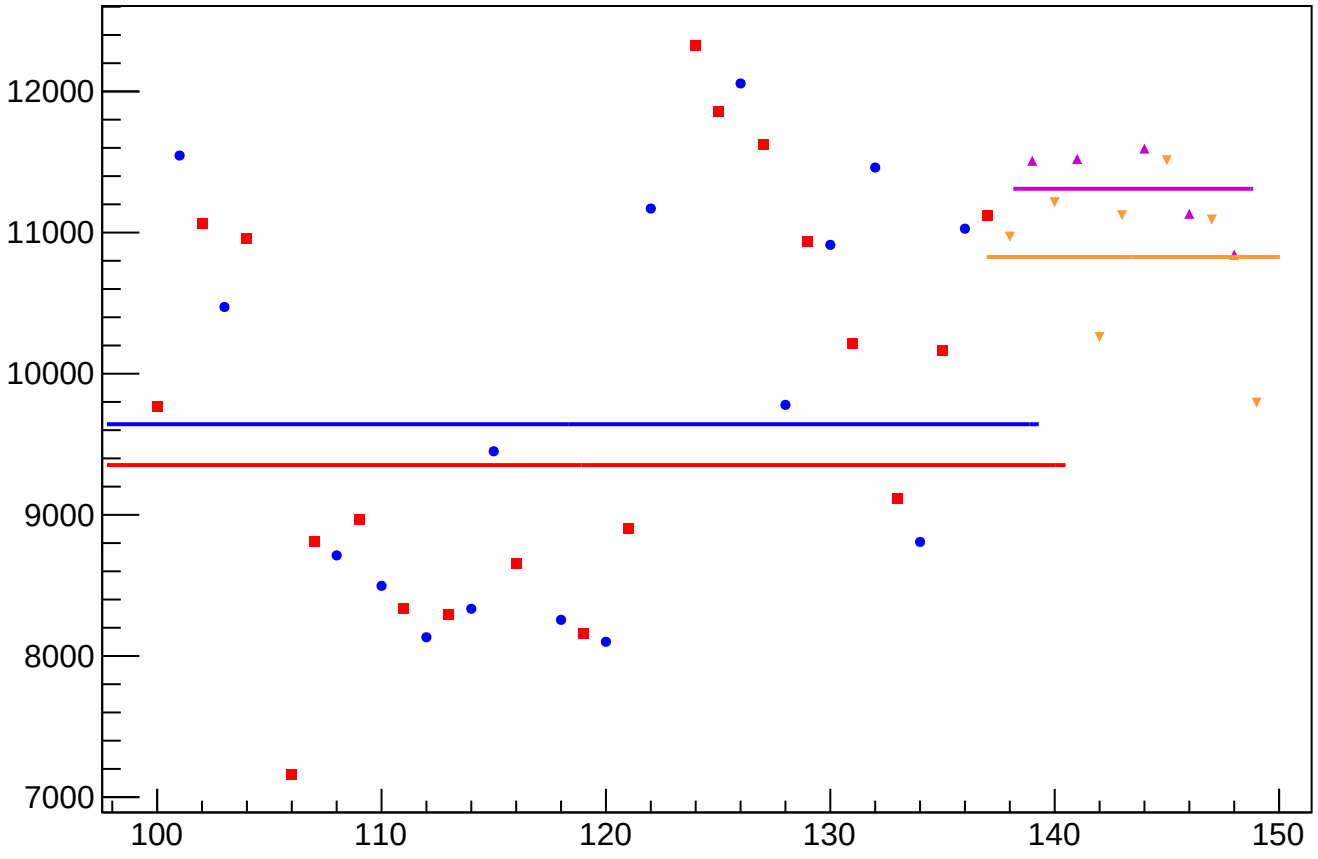
Left: -8.920+/-3.564 χ^2/NDF: 17.5/11

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 10.600+/-3.021 χ^2/NDF:91.6/20

Out: 5.820+/-2.785 χ^2/NDF:37.1/25

All: 8.016+/-2.047 χ^2/NDF: 130.0/46



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10827.326+/-3.329 χ^2/NDF:31099.8/6

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11310.305+/-3.857 χ^2/NDF:5663.1/4

Left: 11033.519+/-2.520 χ^2/NDF: 45750.9/11

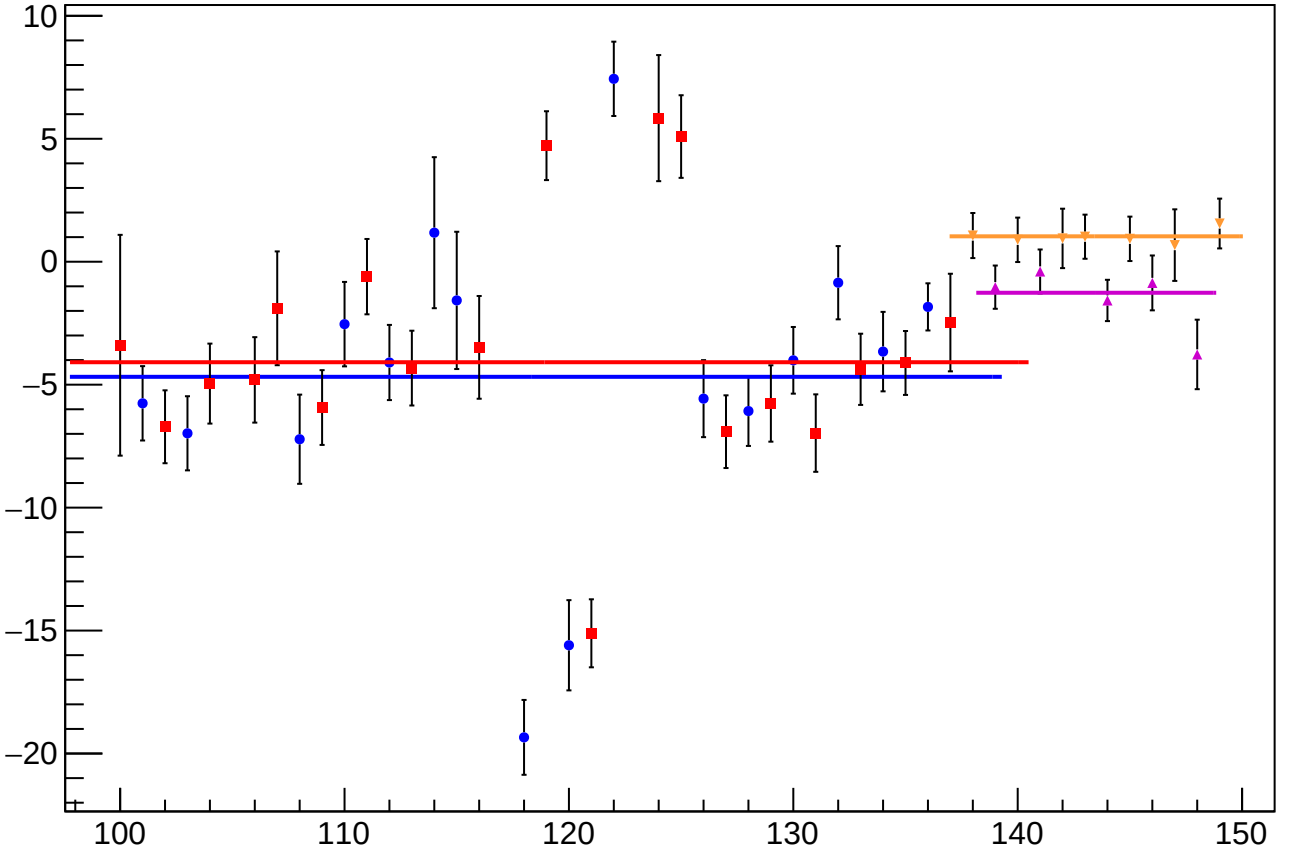
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10153.794+/-2.136 χ^2/NDF:415036.3/20

Out: 9868.569+/-1.969 χ^2/NDF:460495.6/25

All: 9999.602+/-1.448 χ^2/NDF: 885171.6/46

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.033+/-0.378 χ^2/NDF:0.4/6

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: 0.049+/-0.285 χ^2/NDF: 20.6/11

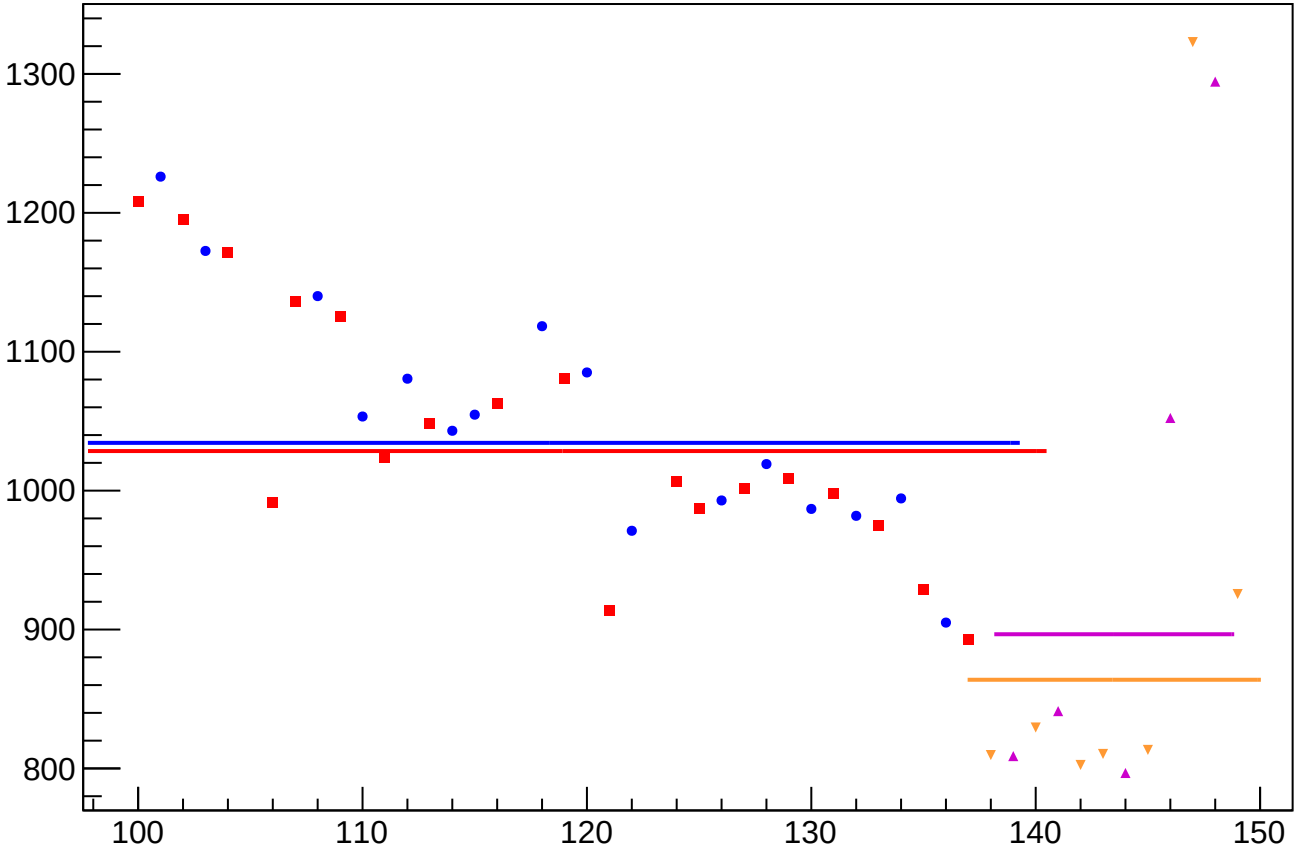
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.179+/-0.289 χ^2/NDF:260.1/20

Out: -1.535+/-0.267 χ^2/NDF:260.7/25

All: -2.291+/-0.196 χ^2/NDF: 538.3/46

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 863.842+/-0.267 χ^2/NDF:234848.3/6

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 896.613+/-0.308 χ^2/NDF:253330.5/4

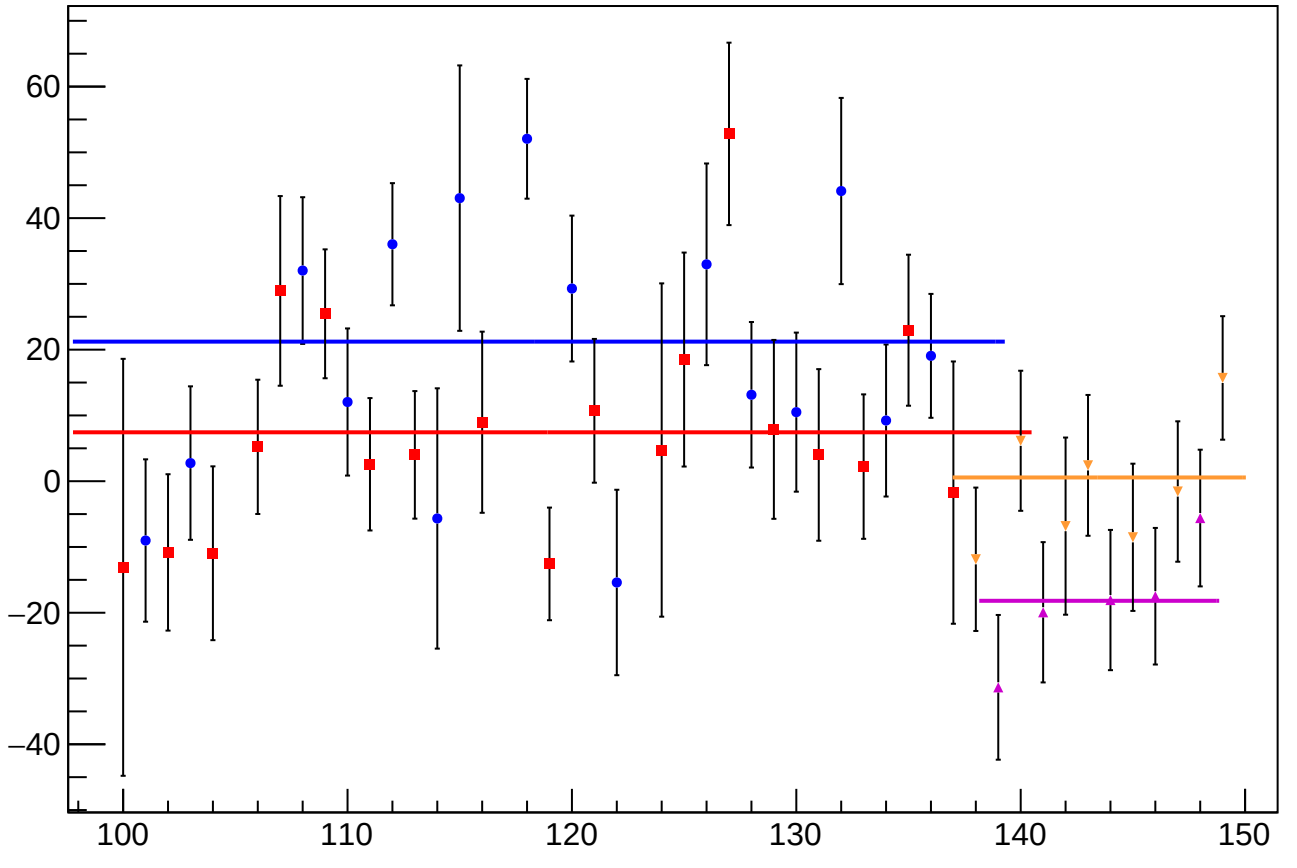
Left: 877.892+/-0.202 χ^2/NDF: 494640.0/11

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

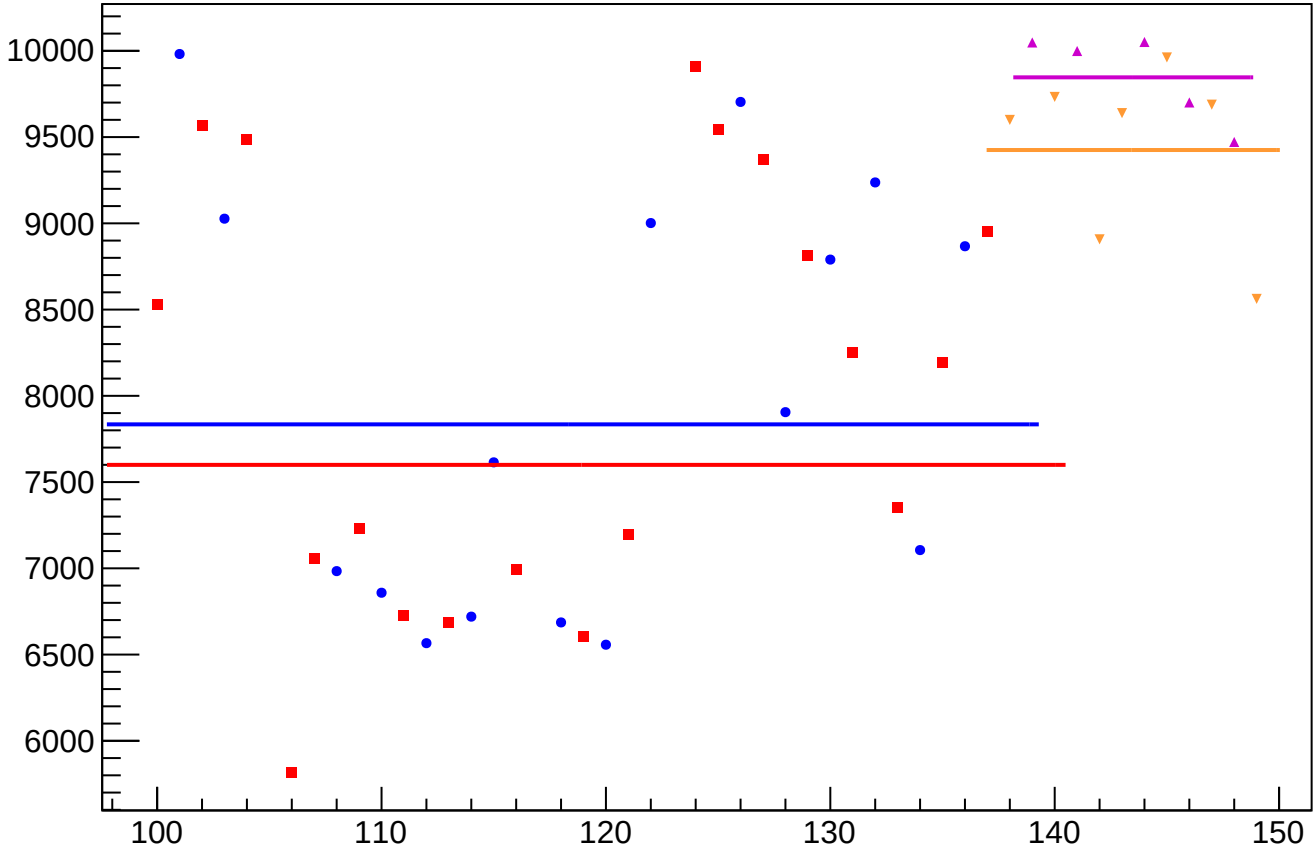
In: 973.862+/-0.204 χ^2/NDF:478710.0/20

Out: 946.417+/-0.188 χ^2/NDF:527283.6/25

All: 959.039+/-0.139 χ^2/NDF: 1015745.3/46


diff_bpm0l08X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: 21.222+/-2.952 χ²/NDF: 40.1/15
Left Out: 0.568+/-4.097 χ²/NDF:5.2/6
Right Out: 7.435+/-2.810 χ²/NDF: 29.8/18
Left In: -18.185+/-4.747 χ²/NDF:2.9/4
Left: -7.438+/-3.102 χ²/NDF: 17.1/11
Right: 13.990+/-2.035 χ²/NDF: 81.3/34
In: 10.233+/-2.507 χ²/NDF:92.7/20
Out: 5.238+/-2.318 χ²/NDF:36.9/25
All: 7.540+/-1.702 χ²/NDF: 131.8/46

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9425.045+/-2.897 χ^2/NDF:28644.4/6

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: 9604.908+/-2.193 χ^2/NDF: 42488.6/11

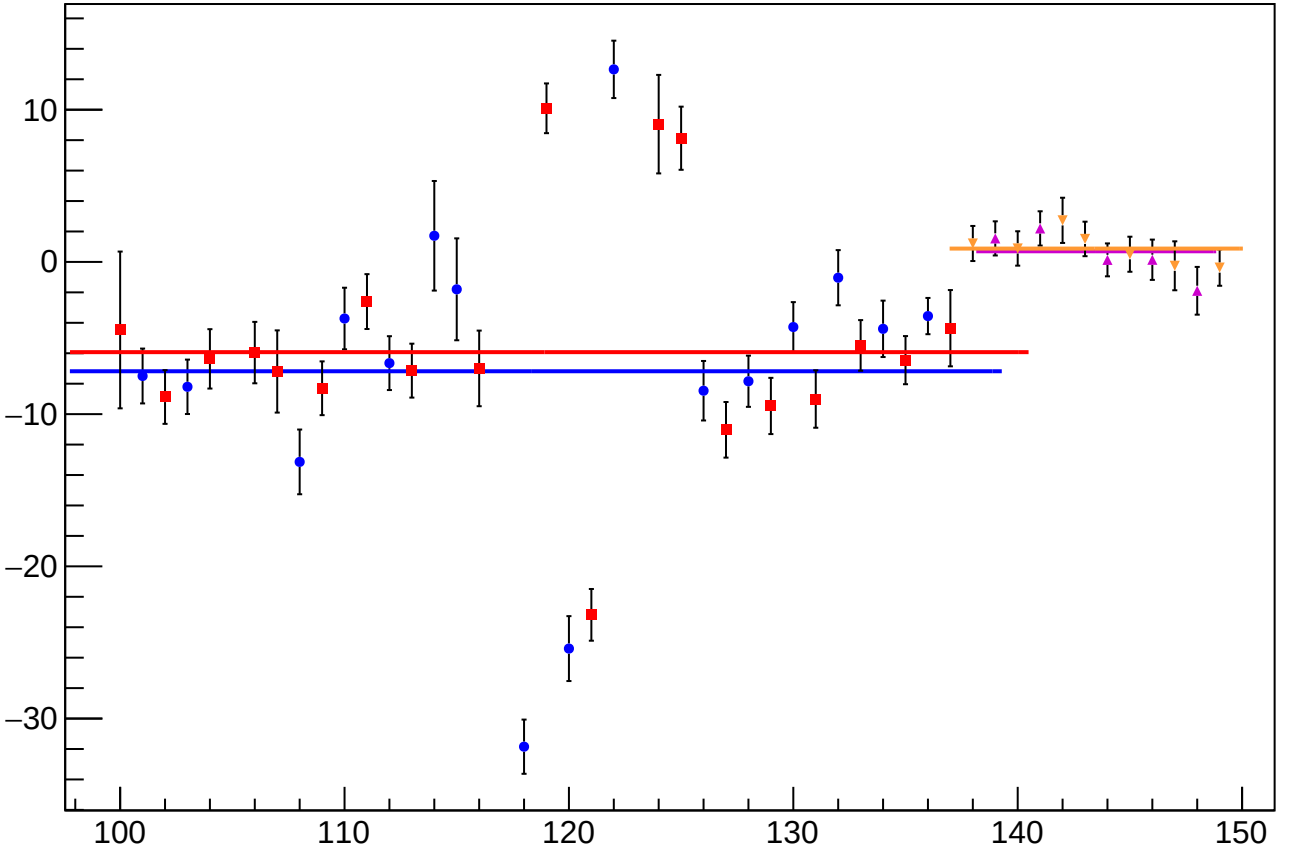
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8395.609+/-1.772 χ^2/NDF:581953.2/20

Out: 8183.753+/-1.639 χ^2/NDF:642885.0/25

All: 8281.388+/-1.203 χ^2/NDF: 1232540.6/46

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.877+/-0.466 χ^2/NDF:3.7/6

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.700+/-0.541 χ^2/NDF:5.5/4

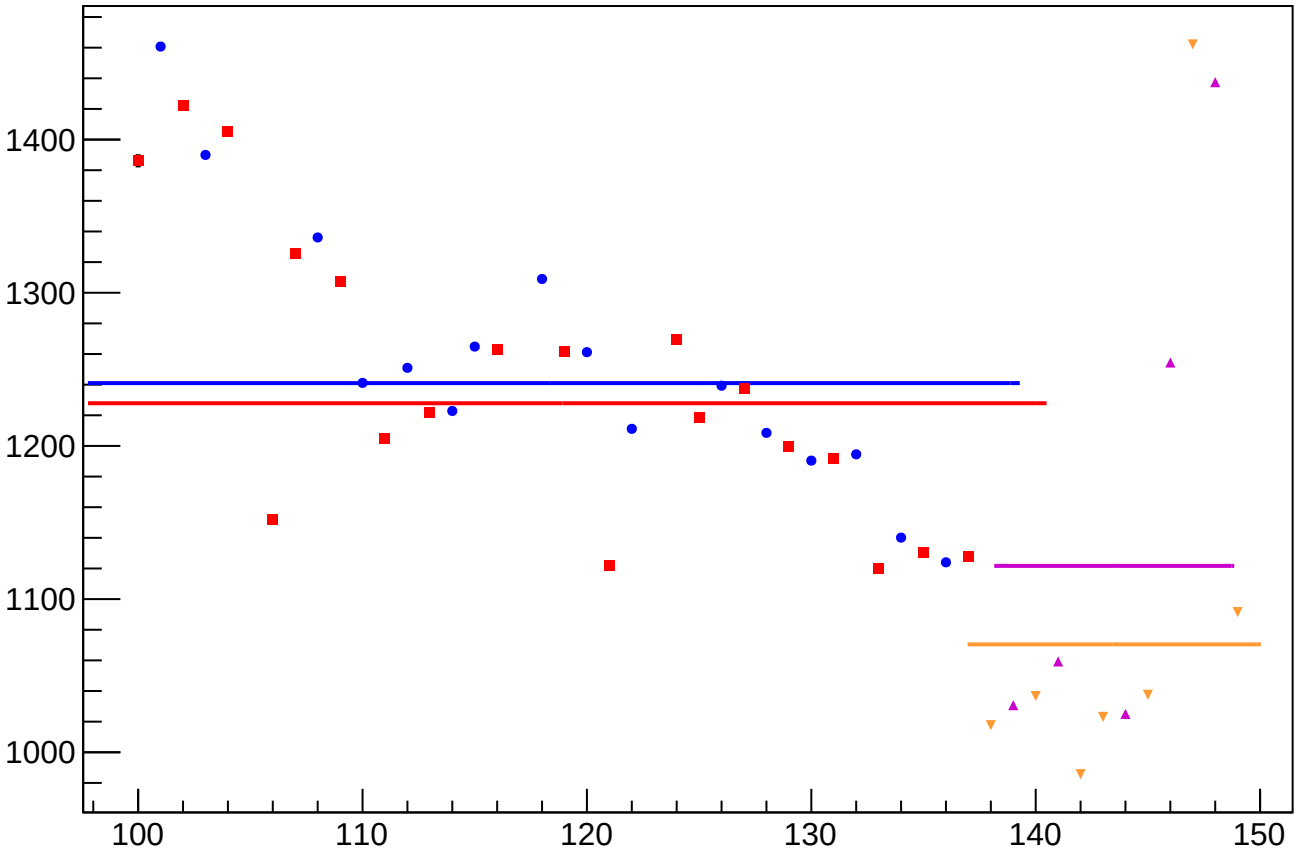
Left: 0.801+/-0.353 χ^2/NDF: 9.2/11

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.857+/-0.352 χ^2/NDF:550.4/20

Out: -2.649+/-0.323 χ^2/NDF:404.6/25

All: -3.202+/-0.238 χ^2/NDF: 961.4/46



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1070.454+/-0.329 χ^2/NDF:136879.9/6

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: 1092.257+/-0.250 χ^2/NDF: 283576.3/11

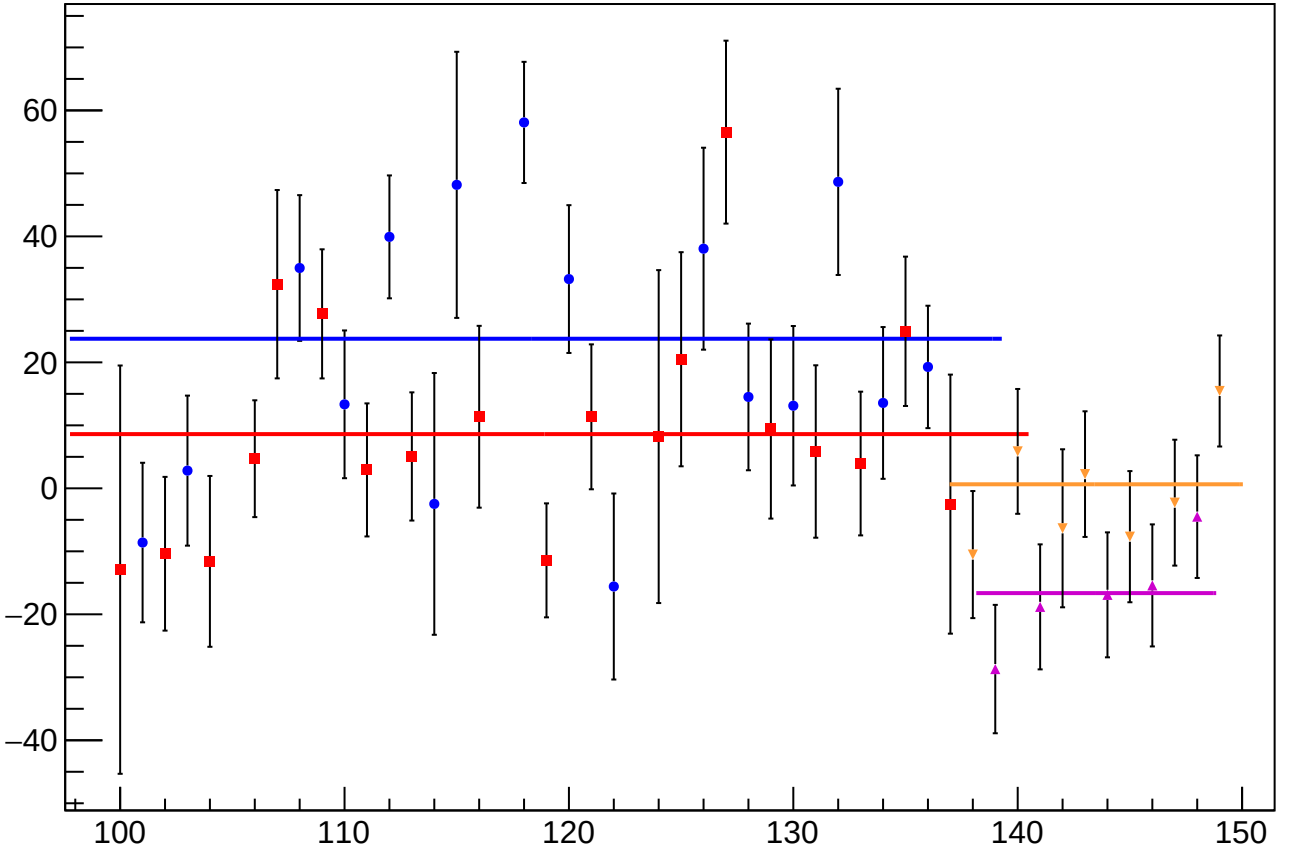
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1190.664+/-0.249 χ^2/NDF:273249.3/20

Out: 1152.008+/-0.229 χ^2/NDF:337591.9/25

All: 1169.723+/-0.168 χ^2/NDF: 623944.5/46

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: 0.643+/-3.820 χ^2/NDF:5.4/6

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: -6.741+/-2.891 χ^2/NDF: 17.1/11

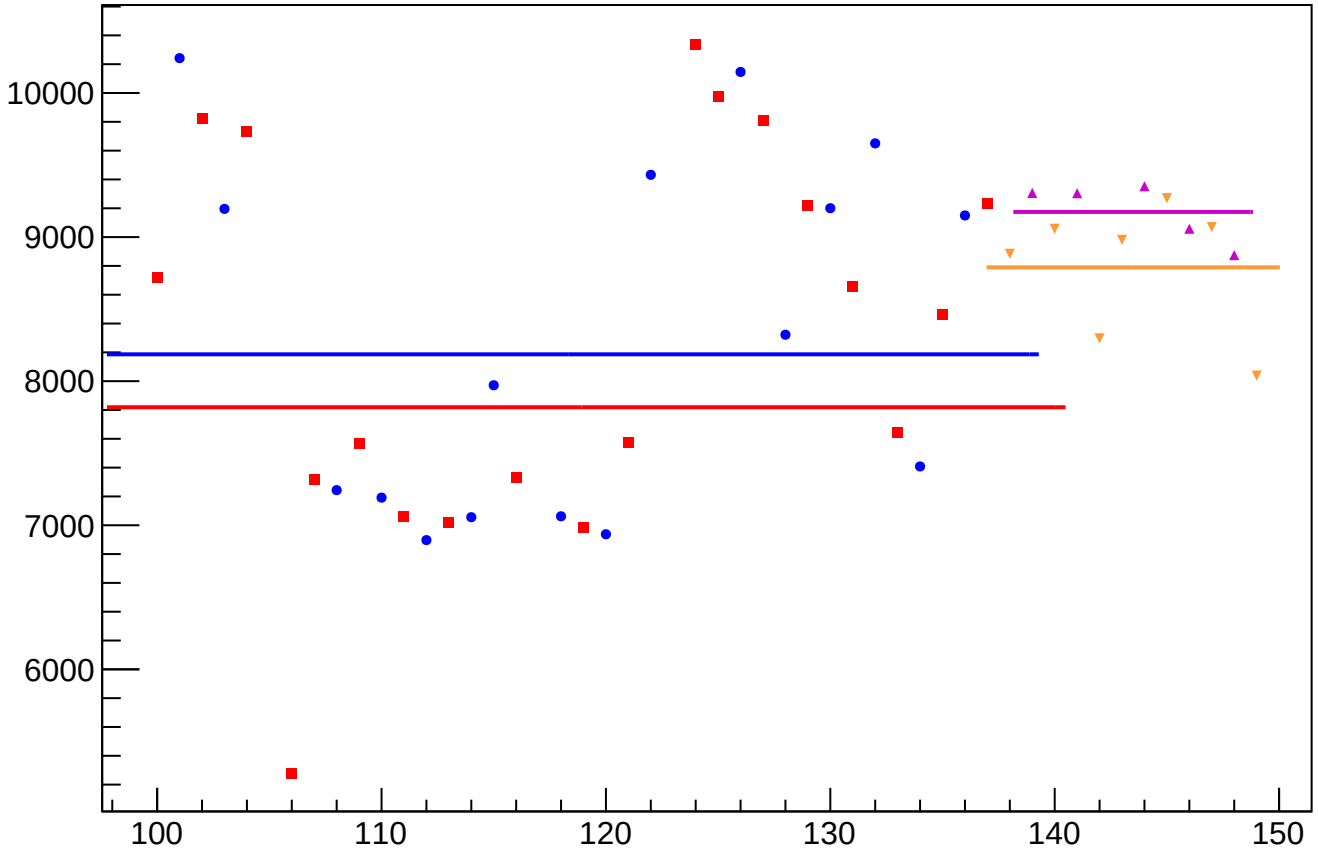
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 10.549+/-2.528 χ^2/NDF:102.6/20

Out: 5.698+/-2.309 χ^2/NDF:38.6/25

All: 7.904+/-1.705 χ^2/NDF: 143.2/46

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8789.905+/-2.701 χ^2/NDF:25793.7/6

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: 8954.351+/-2.044 χ^2/NDF: 37973.6/11

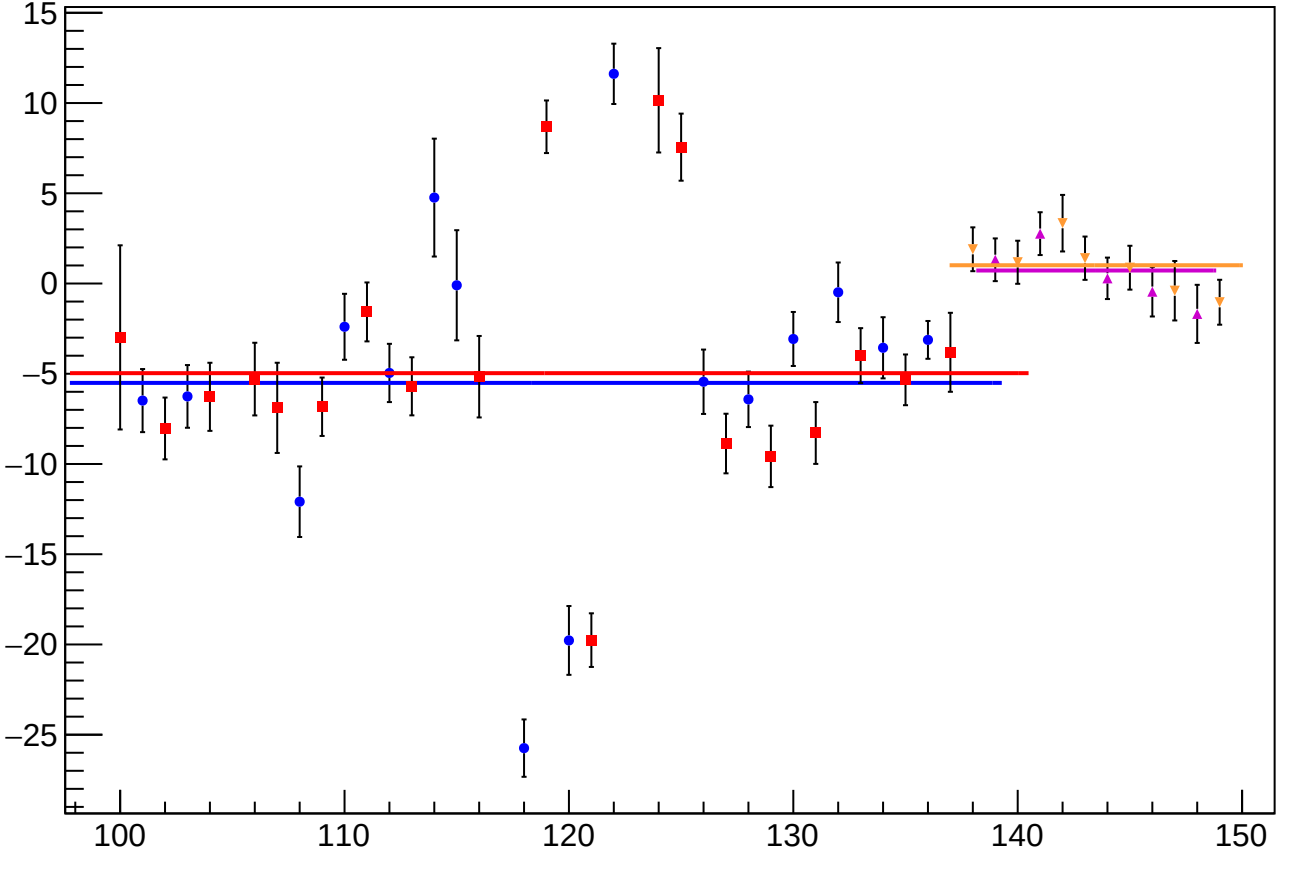
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8509.417+/-1.788 χ^2/NDF:361389.4/20

Out: 8173.778+/-1.633 χ^2/NDF:530774.8/25

All: 8326.449+/-1.206 χ^2/NDF: 911381.1/46

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.012+/-0.489 χ^2/NDF:6.3/6

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: 0.888+/-0.371 χ^2/NDF: 12.8/11

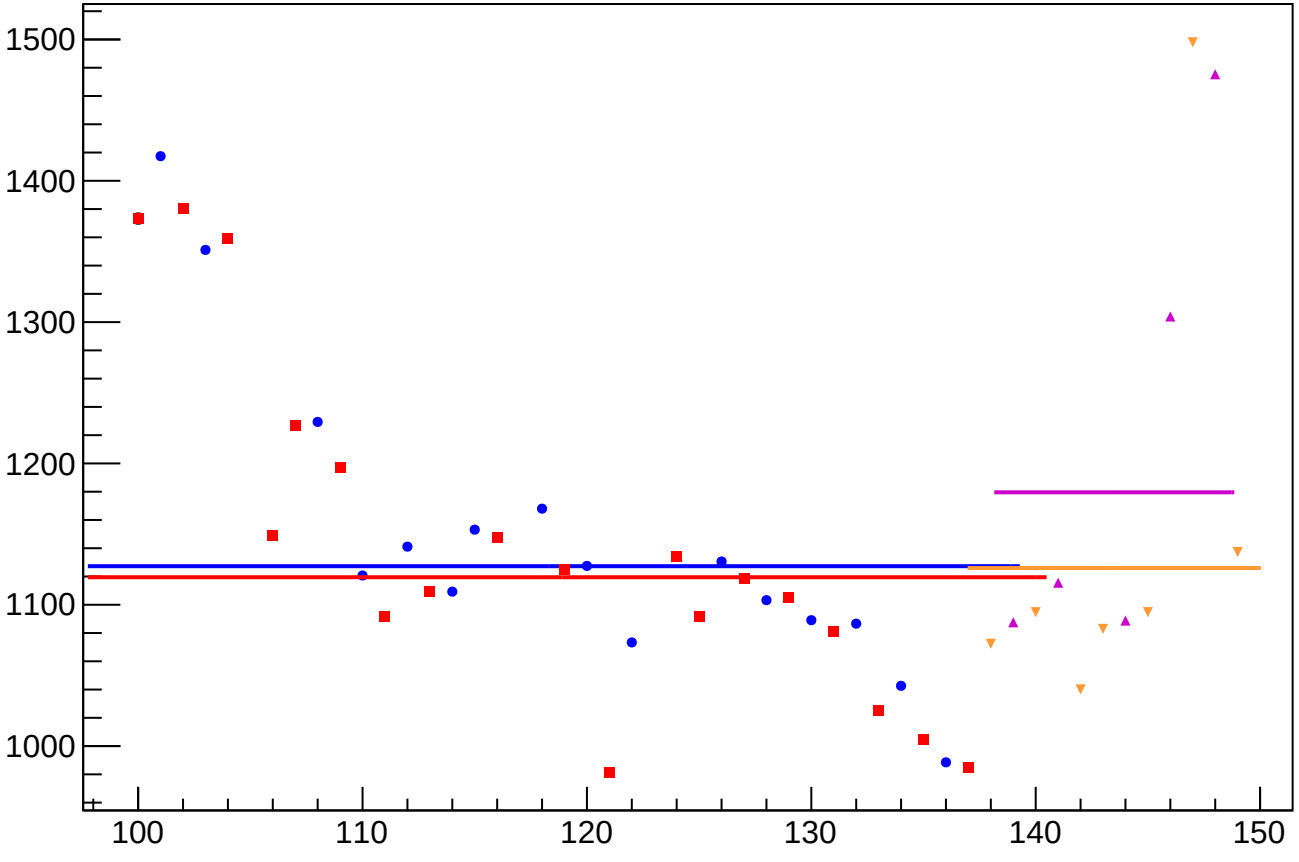
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.300+/-0.338 χ^2/NDF:453.7/20

Out: -2.499+/-0.314 χ^2/NDF:381.3/25

All: -2.871+/-0.230 χ^2/NDF: 837.9/46

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1125.997+/-0.346 χ^2/NDF:117311.8/6

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: 1148.814+/-0.262 χ^2/NDF: 241788.8/11

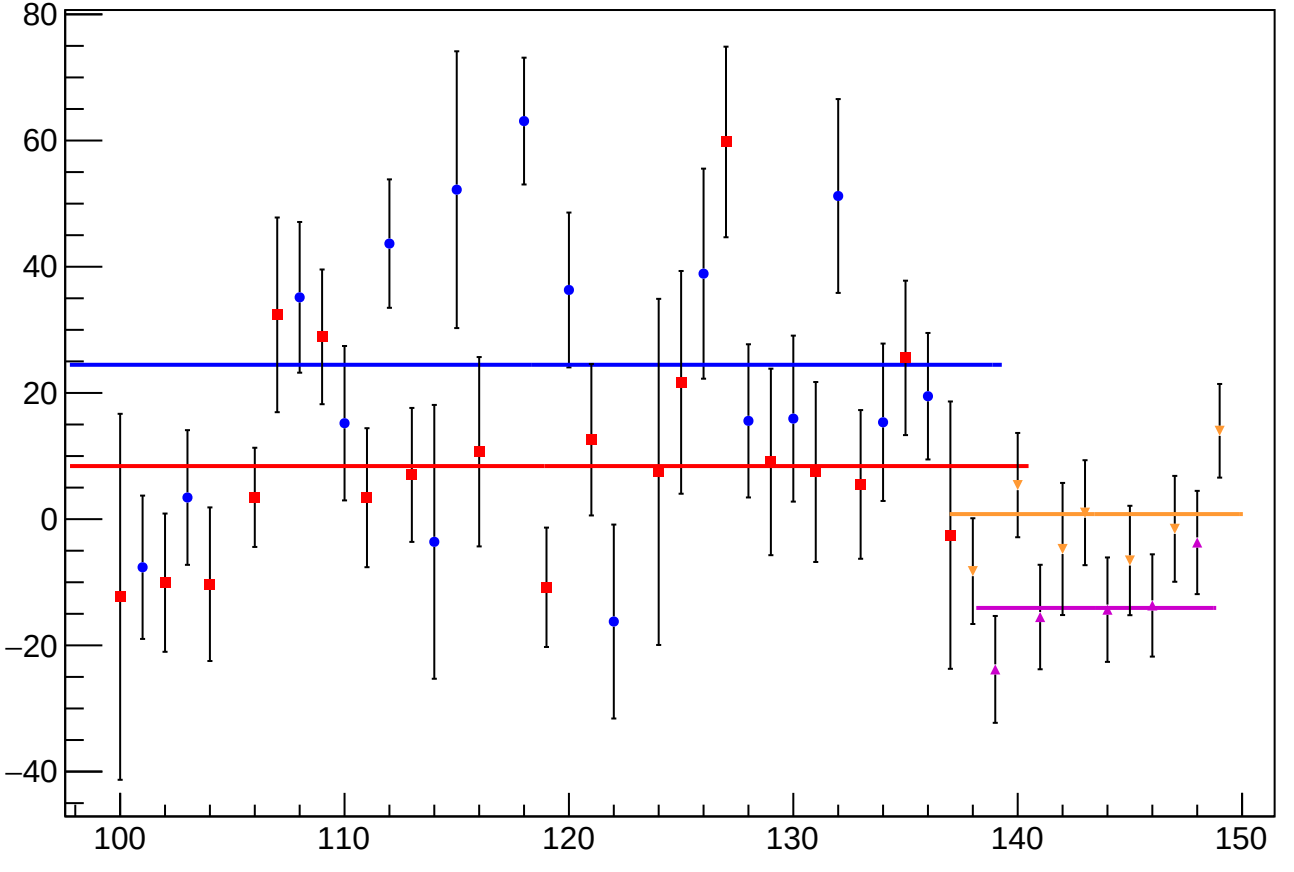
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1145.810+/-0.239 χ^2/NDF:265819.4/20

Out: 1122.166+/-0.222 χ^2/NDF:258256.6/25

All: 1133.128+/-0.163 χ^2/NDF: 529318.8/46

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: 0.803+/-3.192 χ^2/NDF:5.7/6

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: -5.555+/-2.415 χ^2/NDF: 18.0/11

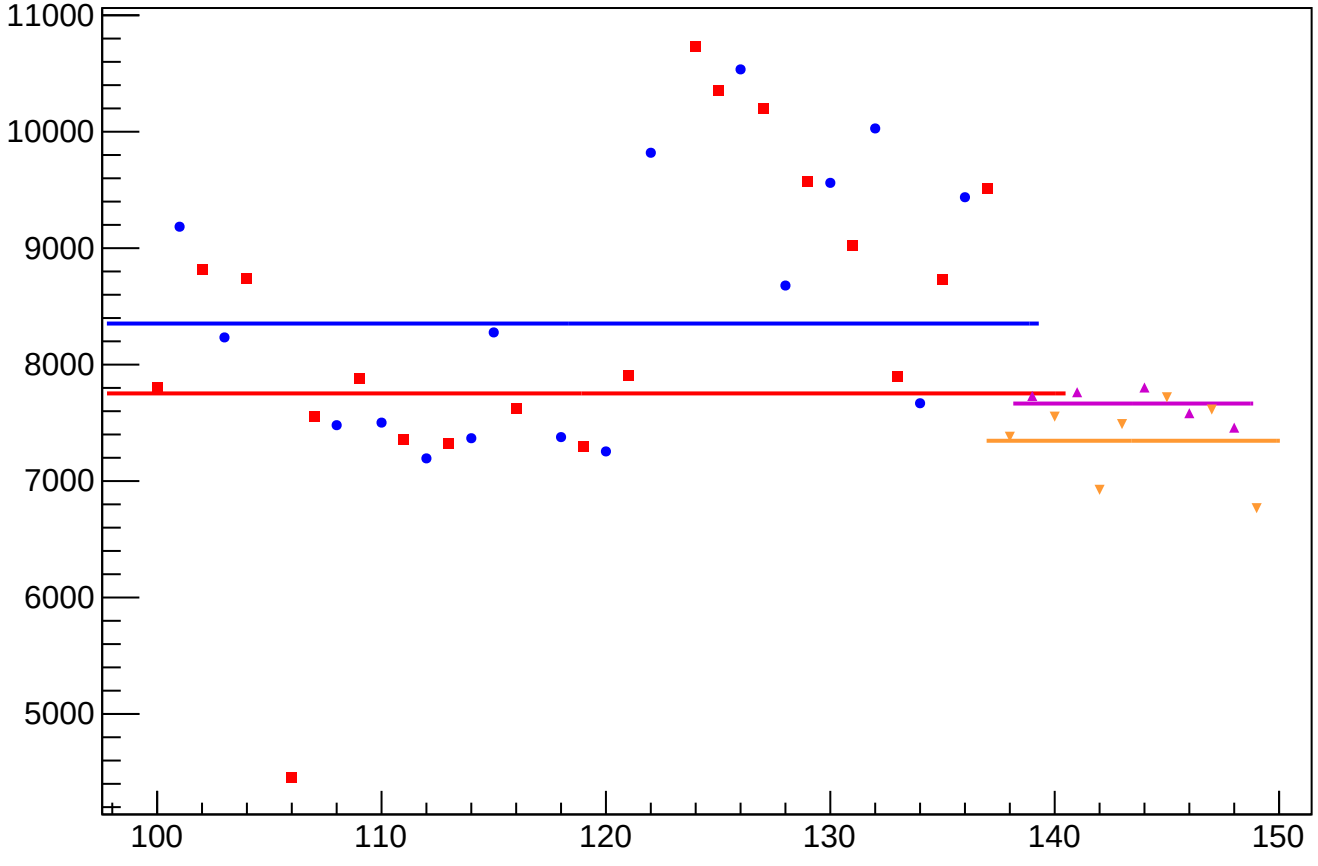
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 8.322+/-2.391 χ^2/NDF:114.5/20

Out: 4.984+/-2.143 χ^2/NDF:40.0/25

All: 6.471+/-1.596 χ^2/NDF: 155.6/46

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7346.176+/-2.257 χ^2/NDF:23046.2/6

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: 7482.804+/-1.708 χ^2/NDF: 34055.3/11

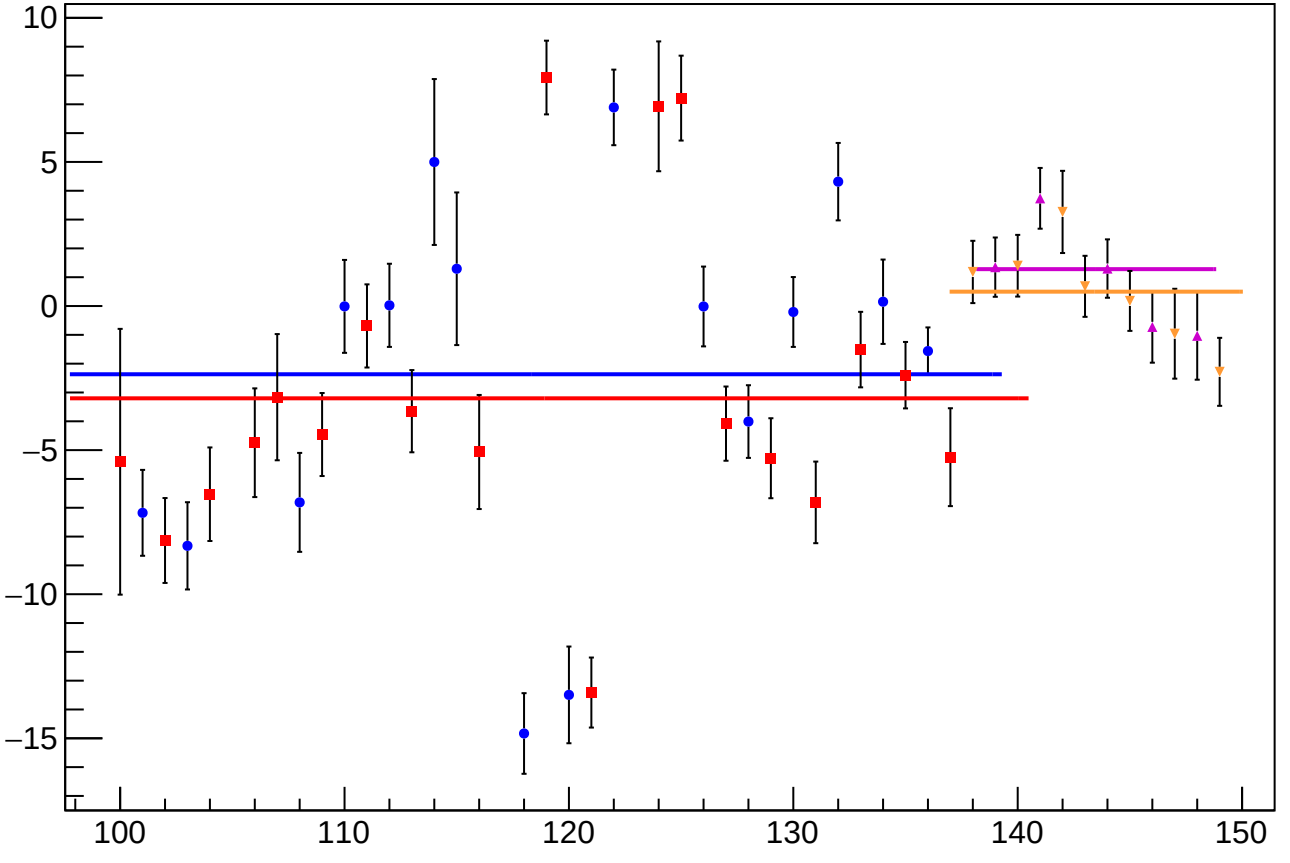
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8064.966+/-1.690 χ^2/NDF:263056.3/20

Out: 7569.497+/-1.515 χ^2/NDF:628937.1/25

All: 7790.219+/-1.128 χ^2/NDF: 939629.9/46

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.499+/-0.440 χ^2/NDF:11.4/6

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: 0.834+/-0.332 χ^2/NDF: 23.1/11

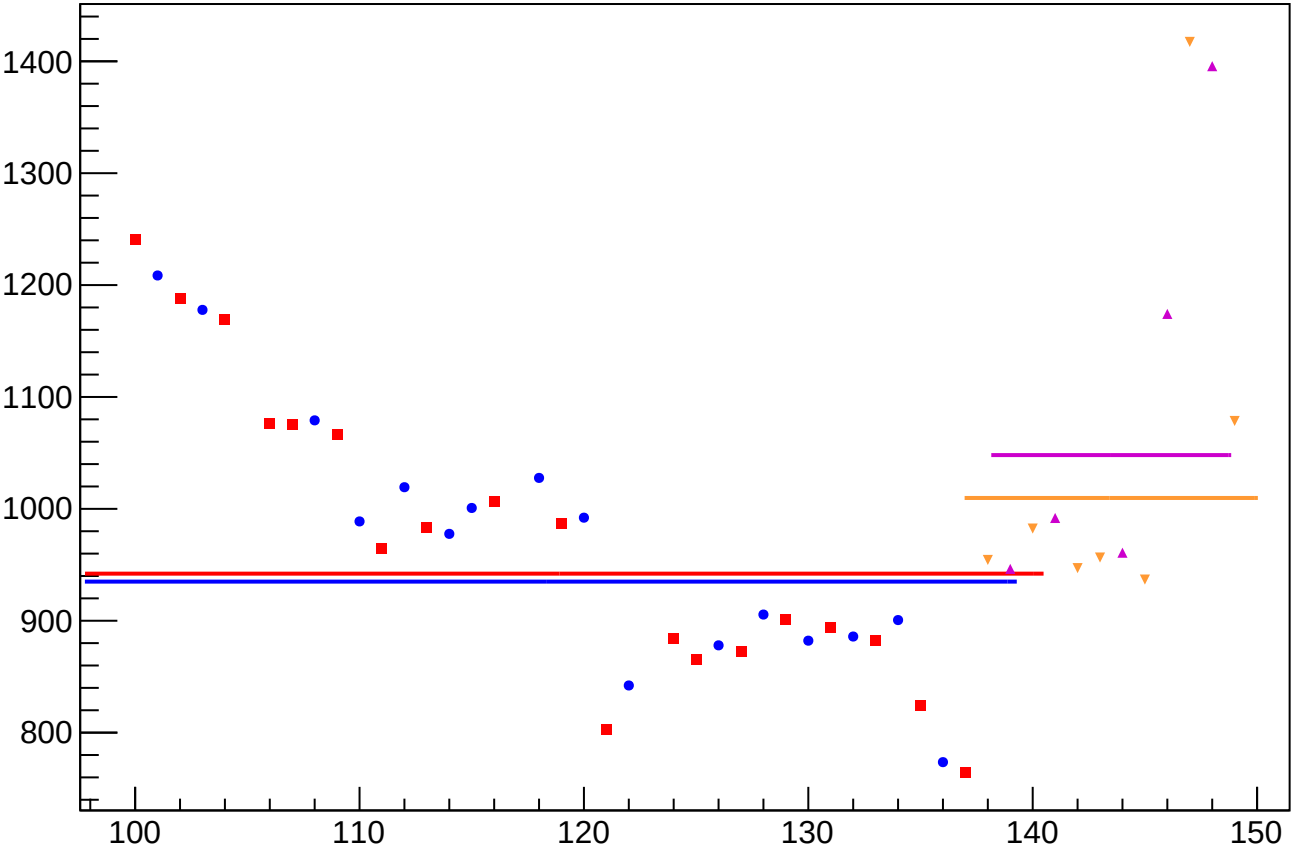
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.187+/-0.288 χ^2/NDF:301.0/20

Out: -1.786+/-0.272 χ^2/NDF:305.7/25

All: -1.504+/-0.198 χ^2/NDF: 608.9/46

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1009.731+/-0.311 χ^2/NDF:168809.9/6

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: 1026.210+/-0.235 χ^2/NDF: 340181.2/11

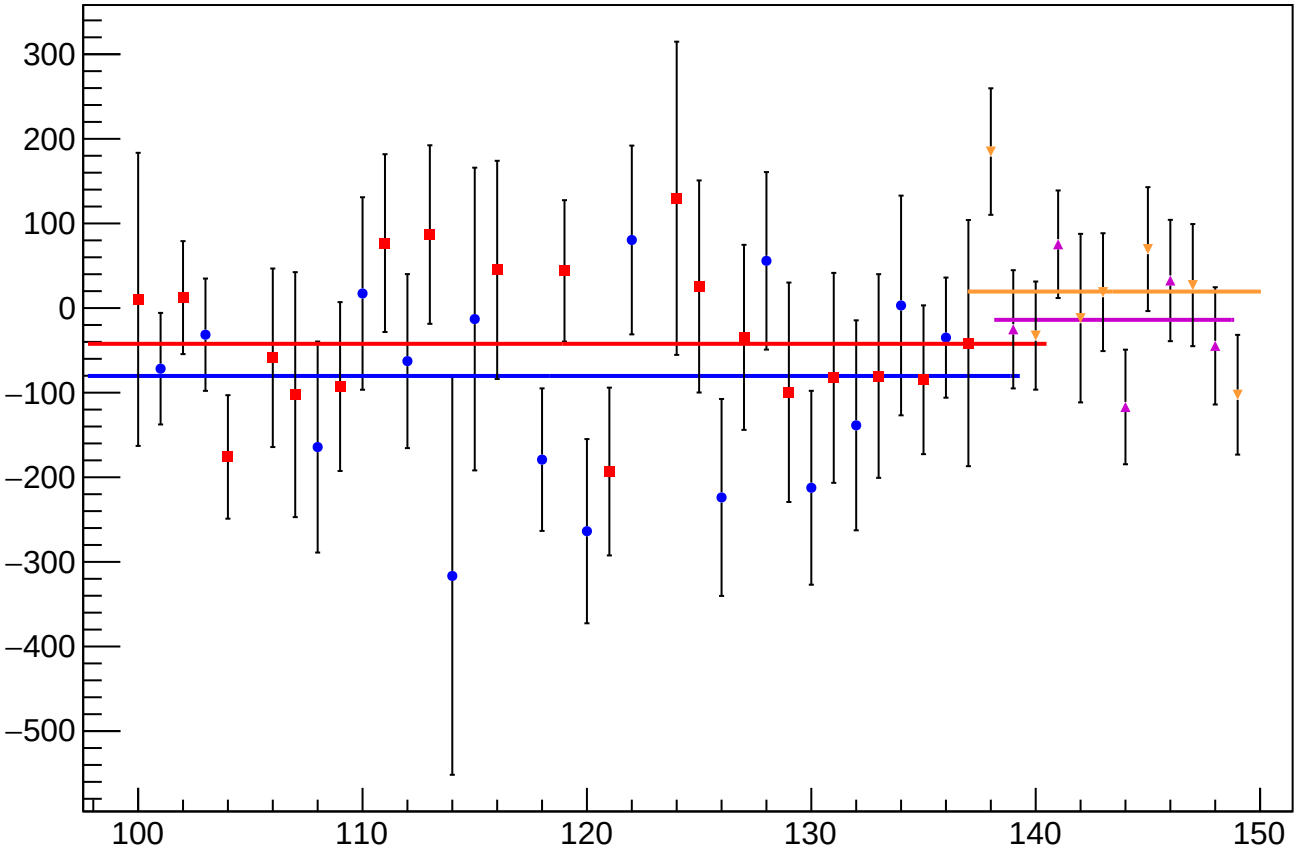
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 971.584+/-0.204 χ^2/NDF:486623.7/20

Out: 967.980+/-0.192 χ^2/NDF:430449.5/25

All: 969.679+/-0.140 χ^2/NDF: 917238.6/46

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 19.500+/-27.642 χ^2/NDF:9.1/6

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: 4.444+/-20.490 χ^2/NDF: 14.7/11

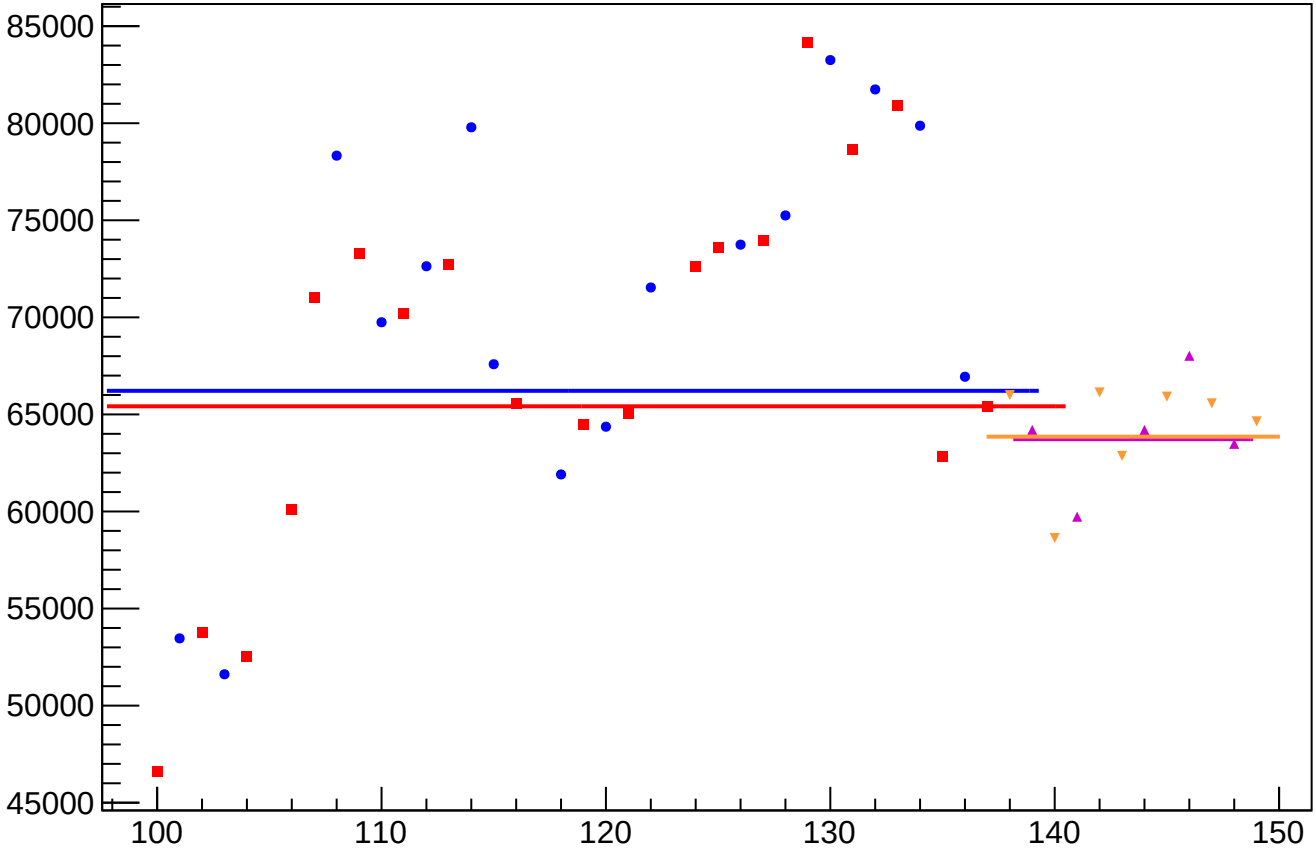
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -53.739+/-19.299 χ^2/NDF:22.6/20

Out: -15.534+/-18.184 χ^2/NDF:24.9/25

All: -33.501+/-13.235 χ^2/NDF: 49.6/46

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 63854.555+/-19.546 χ^2/NDF:19407.7/6

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: 63796.236+/-14.489 χ^2/NDF: 34713.8/11

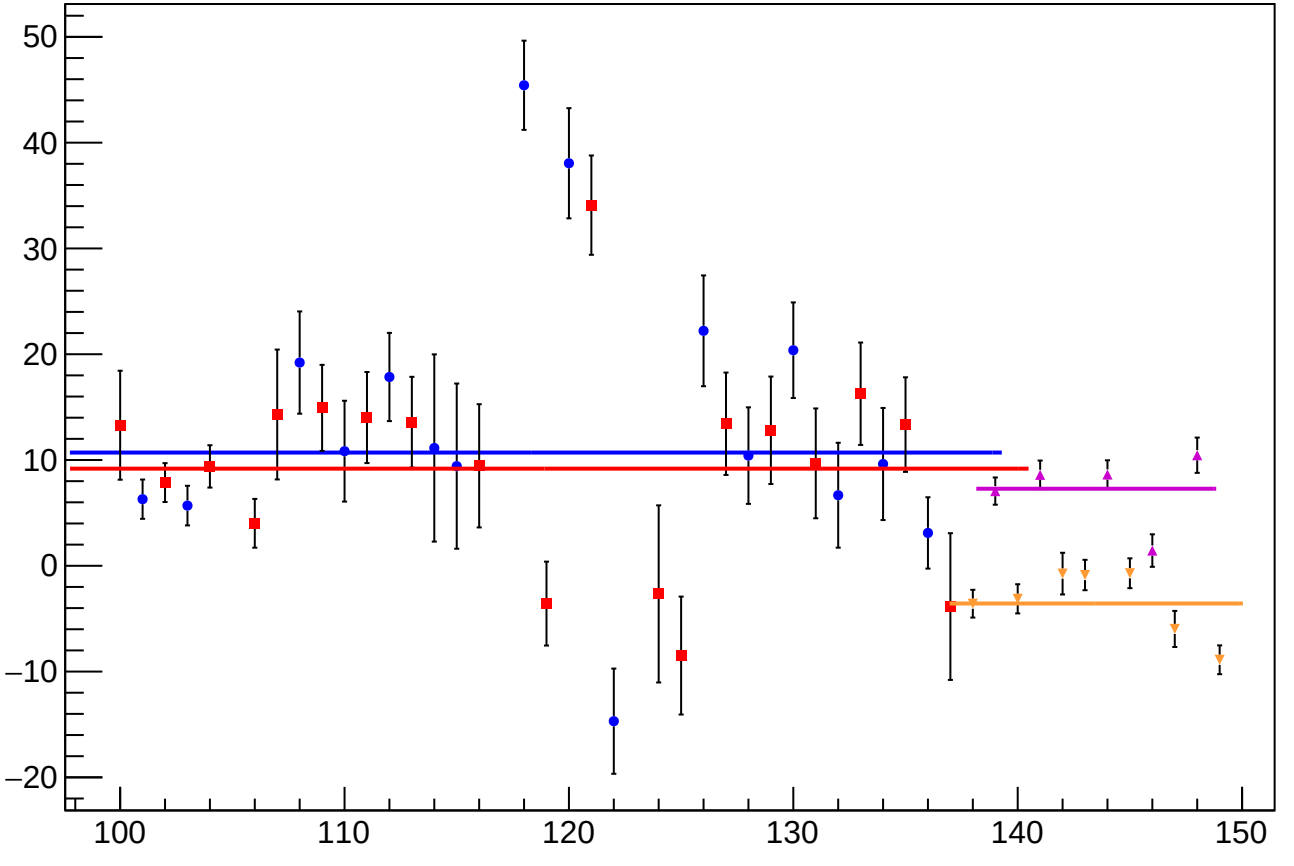
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65220.486+/-13.647 χ^2/NDF:361658.5/20

Out: 64741.691+/-12.858 χ^2/NDF:327595.3/25

All: 64966.859+/-9.359 χ^2/NDF: 689905.8/46

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.566+/-0.556 χ^2/NDF:27.0/6

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: 1.154+/-0.418 χ^2/NDF: 212.7/11

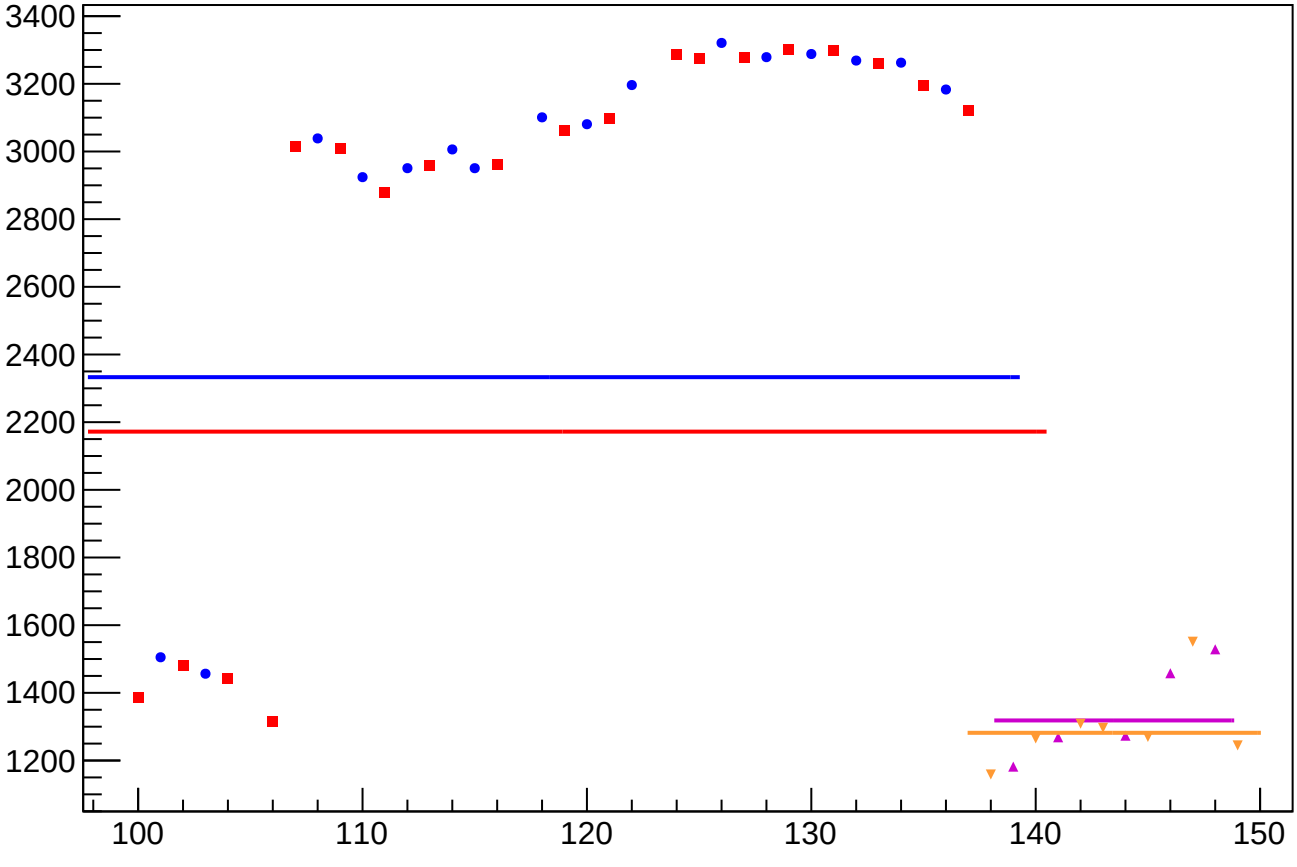
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.384+/-0.522 χ^2/NDF:185.0/20

Out: 0.253+/-0.465 χ^2/NDF:254.1/25

All: 3.854+/-0.347 χ^2/NDF: 574.3/46

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1281.881+/-0.393 χ^2/NDF:69932.7/6

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: 1297.779+/-0.296 χ^2/NDF: 149409.4/11

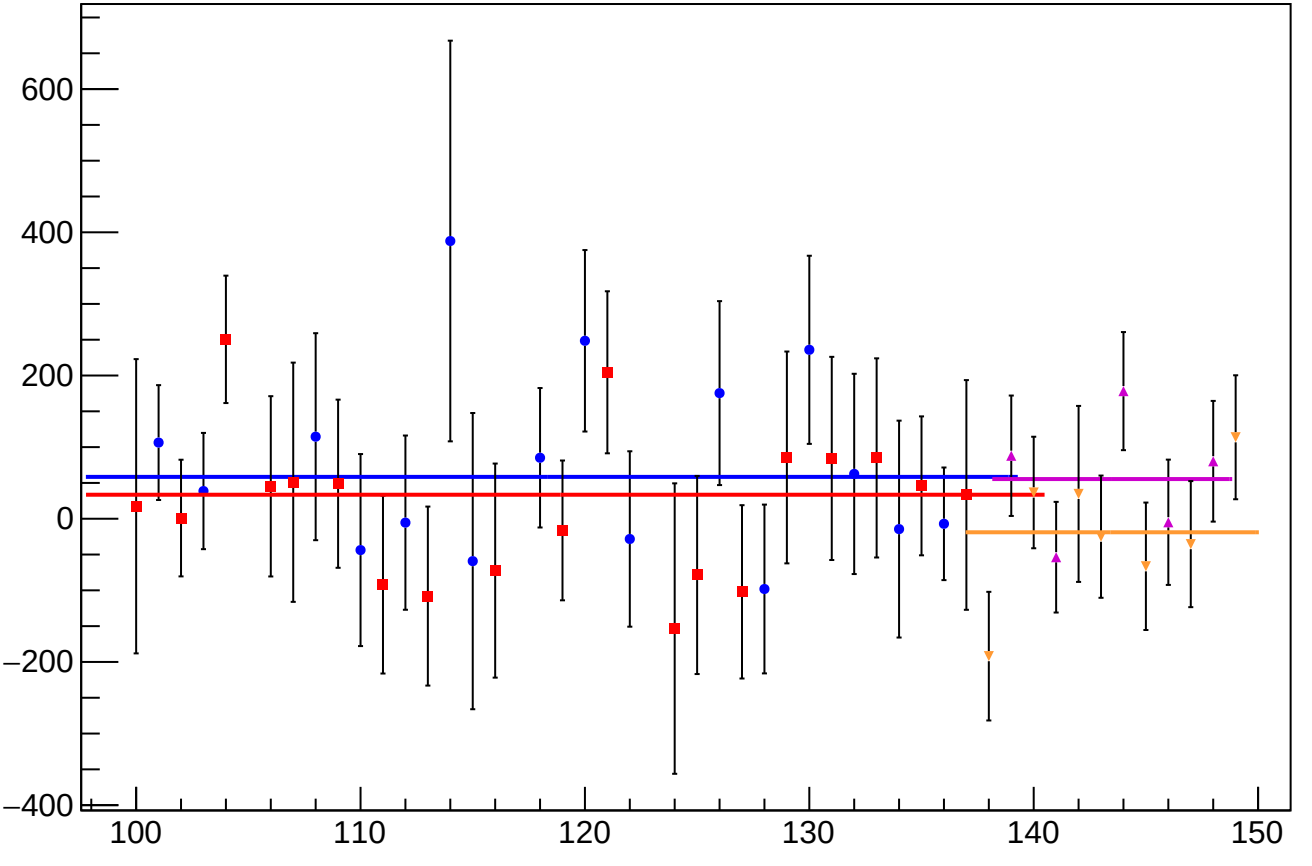
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1644.611+/-0.369 χ^2/NDF:3375568.4/20

Out: 1548.552+/-0.329 χ^2/NDF:3589990.7/25

All: 1591.088+/-0.246 χ^2/NDF: 7003302.4/46

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -18.923+/-33.688 χ^2/NDF:7.1/6

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: 14.691+/-24.934 χ^2/NDF: 14.2/11

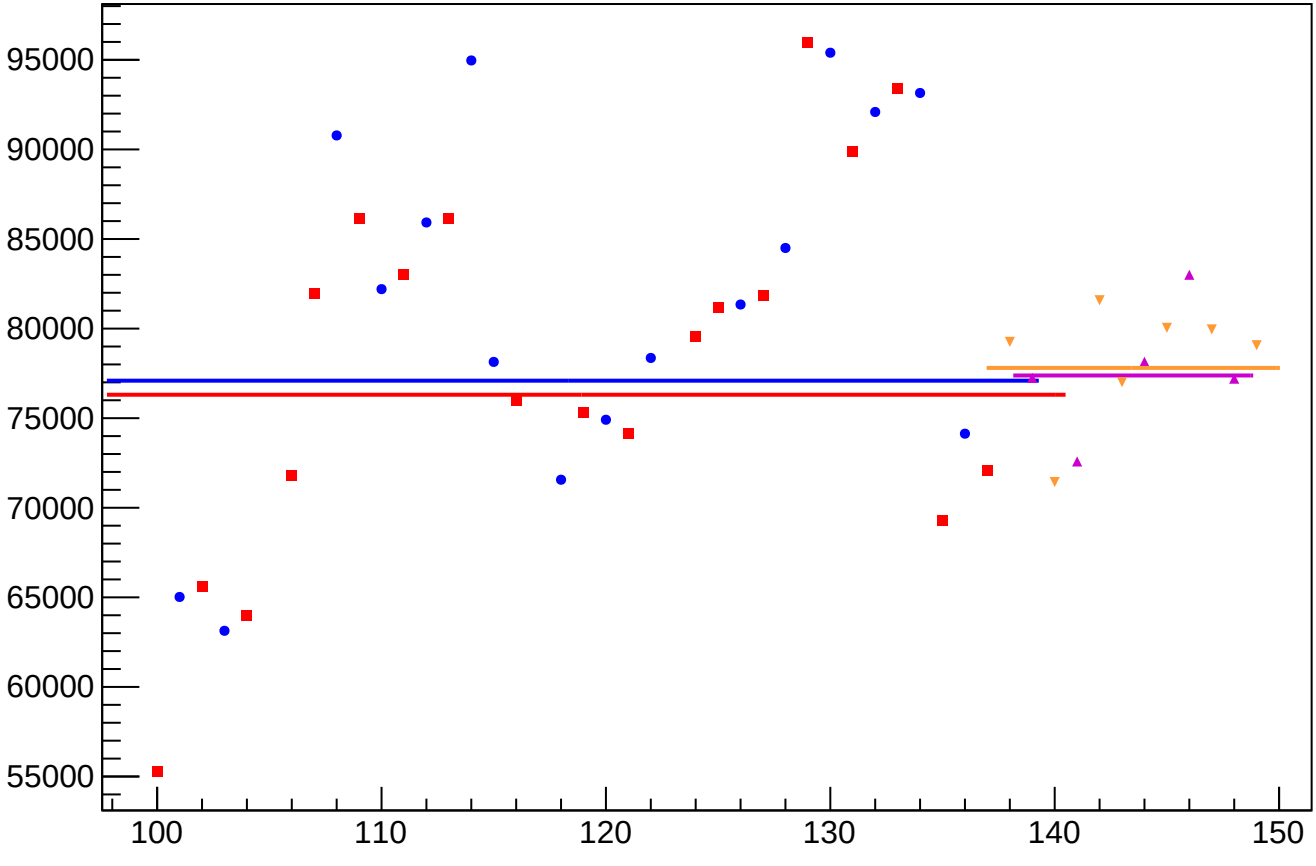
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 57.298+/-22.803 χ^2/NDF:16.2/20

Out: 11.998+/-21.581 χ^2/NDF:23.2/25

All: 33.402+/-15.674 χ^2/NDF: 41.5/46

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77805.618+/-23.821 χ^2/NDF:18848.9/6

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: 77614.876+/-17.631 χ^2/NDF: 35149.1/11

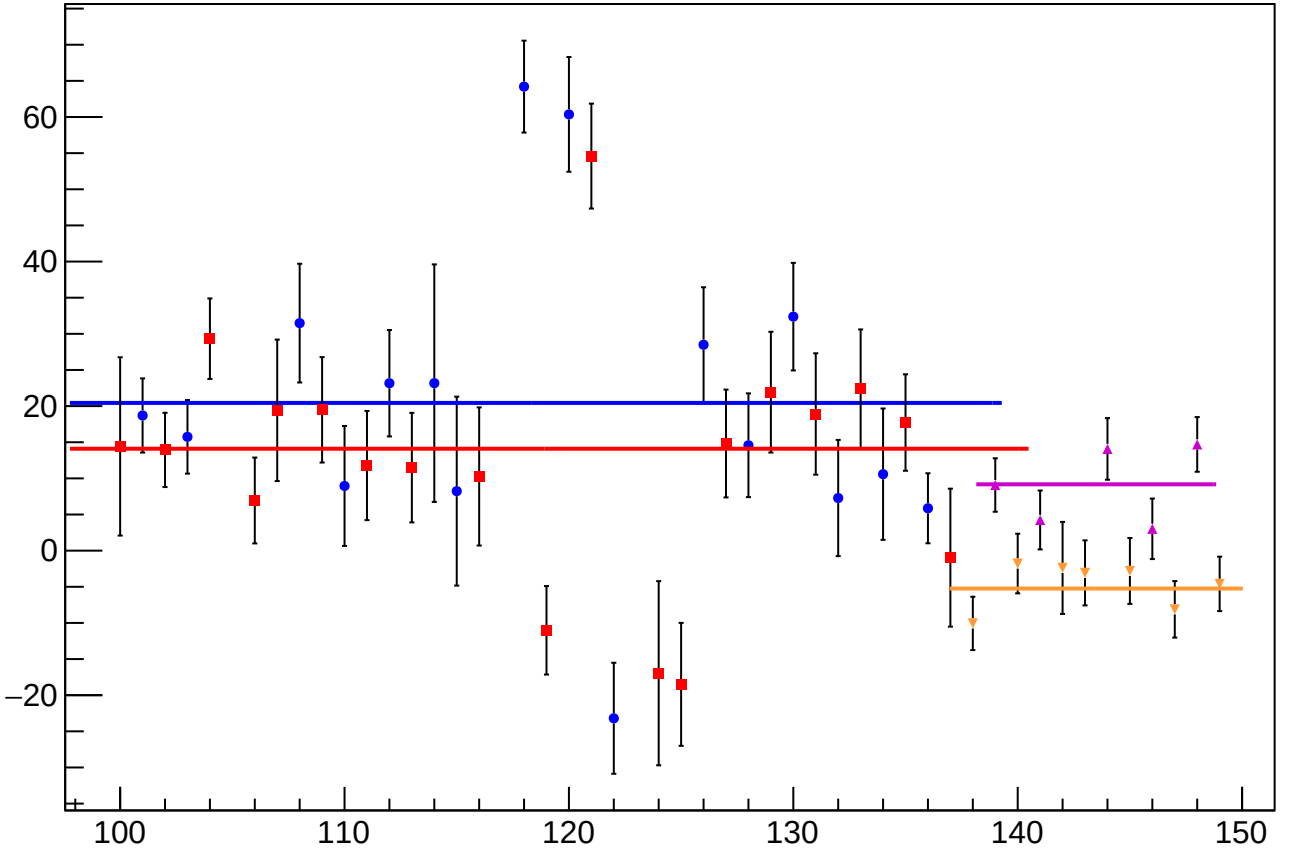
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77203.069+/-16.124 χ^2/NDF:264777.6/20

Out: 76923.027+/-15.260 χ^2/NDF:255610.3/25

All: 77055.347+/-11.083 χ^2/NDF: 520547.1/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.240+/-1.601 χ^2/NDF:3.7/6

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 9.177+/-1.781 χ^2/NDF:7.1/4

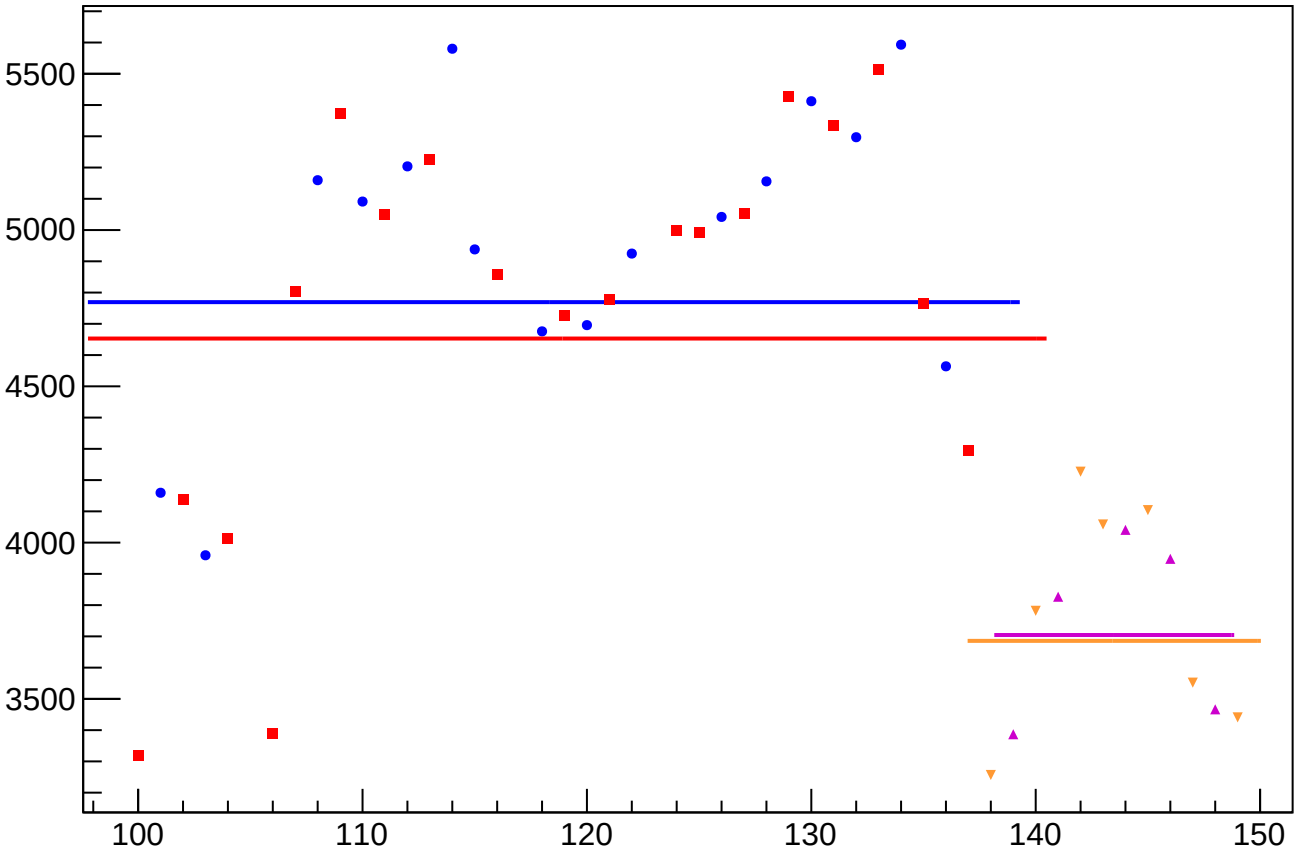
Left: 1.202+/-1.190 χ^2/NDF: 47.0/11

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.806+/-1.260 χ^2/NDF:154.9/20

Out: 3.772+/-1.170 χ^2/NDF:155.5/25

All: 8.881+/-0.857 χ^2/NDF: 351.6/46



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3685.627+/-1.132 χ^2/NDF:83904.1/6

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: 3693.996+/-0.842 χ^2/NDF: 127713.0/11

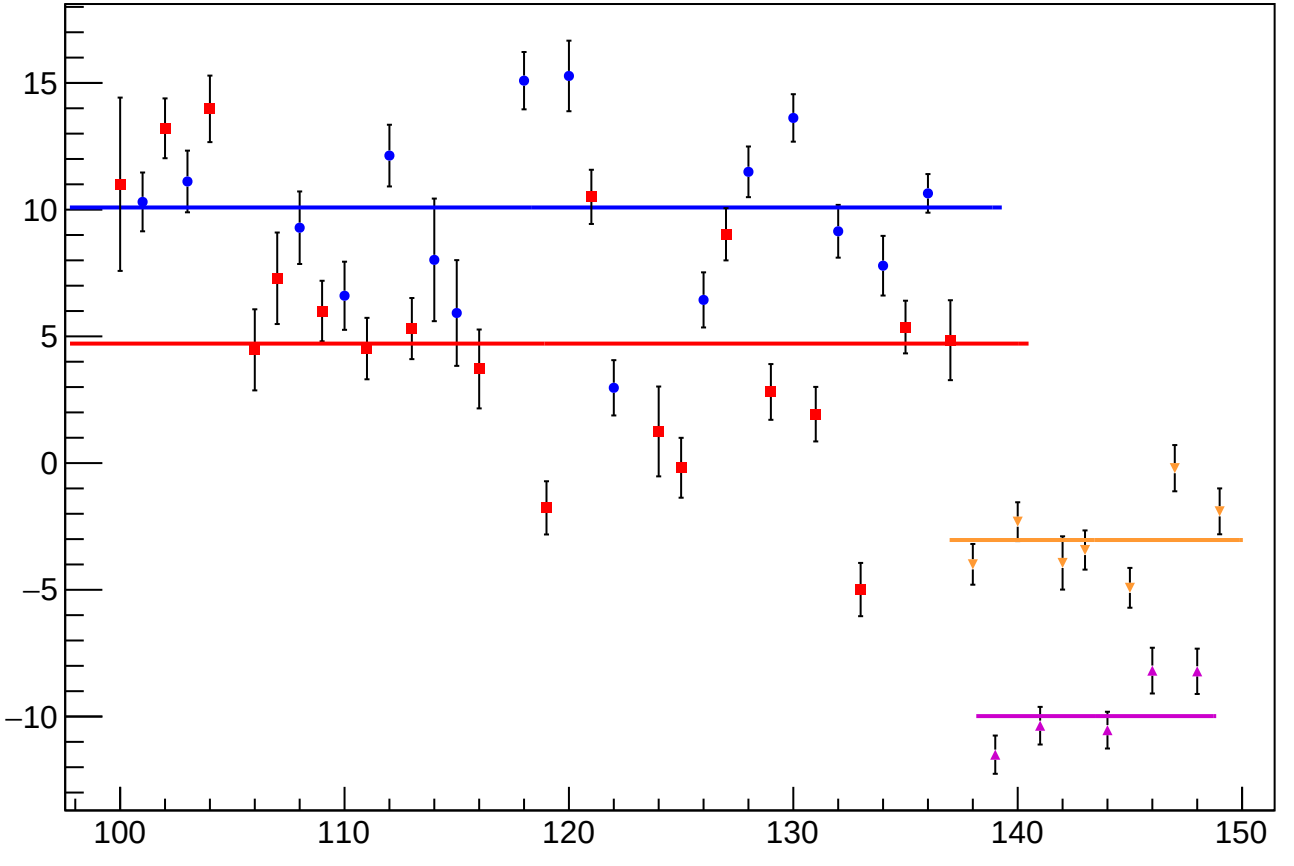
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4236.538+/-0.891 χ^2/NDF:552789.3/20

Out: 4136.332+/-0.827 χ^2/NDF:689373.6/25

All: 4182.730+/-0.606 χ^2/NDF: 1248959.3/46

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.035+/-0.318 χ^2/NDF:20.3/6

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: -6.135+/-0.237 χ^2/NDF: 245.7/11

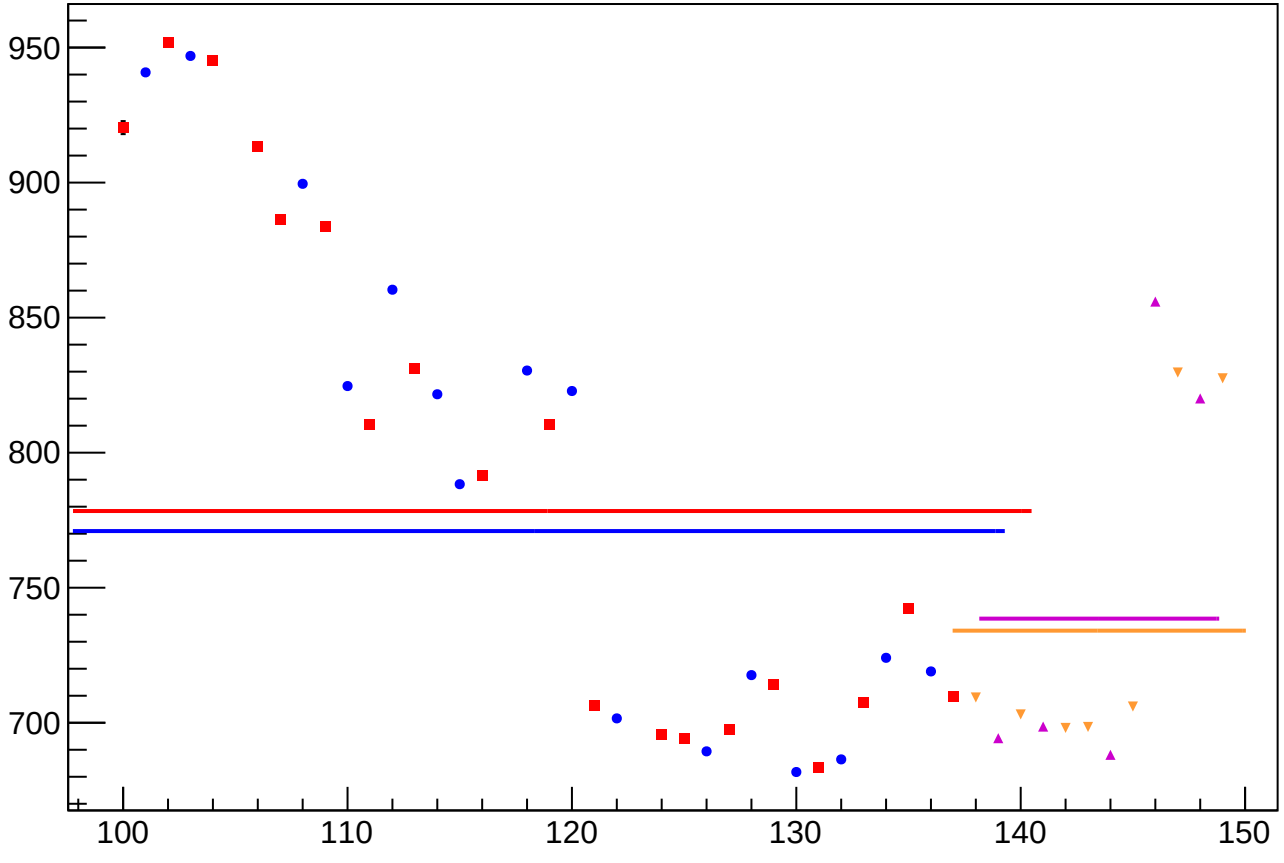
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.099+/-0.224 χ^2/NDF:2064.4/20

Out: 1.256+/-0.213 χ^2/NDF:658.8/25

All: 1.656+/-0.154 χ^2/NDF: 2730.7/46

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 734.102+/-0.225 χ^2/NDF:57596.0/6

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: 736.087+/-0.168 χ^2/NDF: 130583.3/11

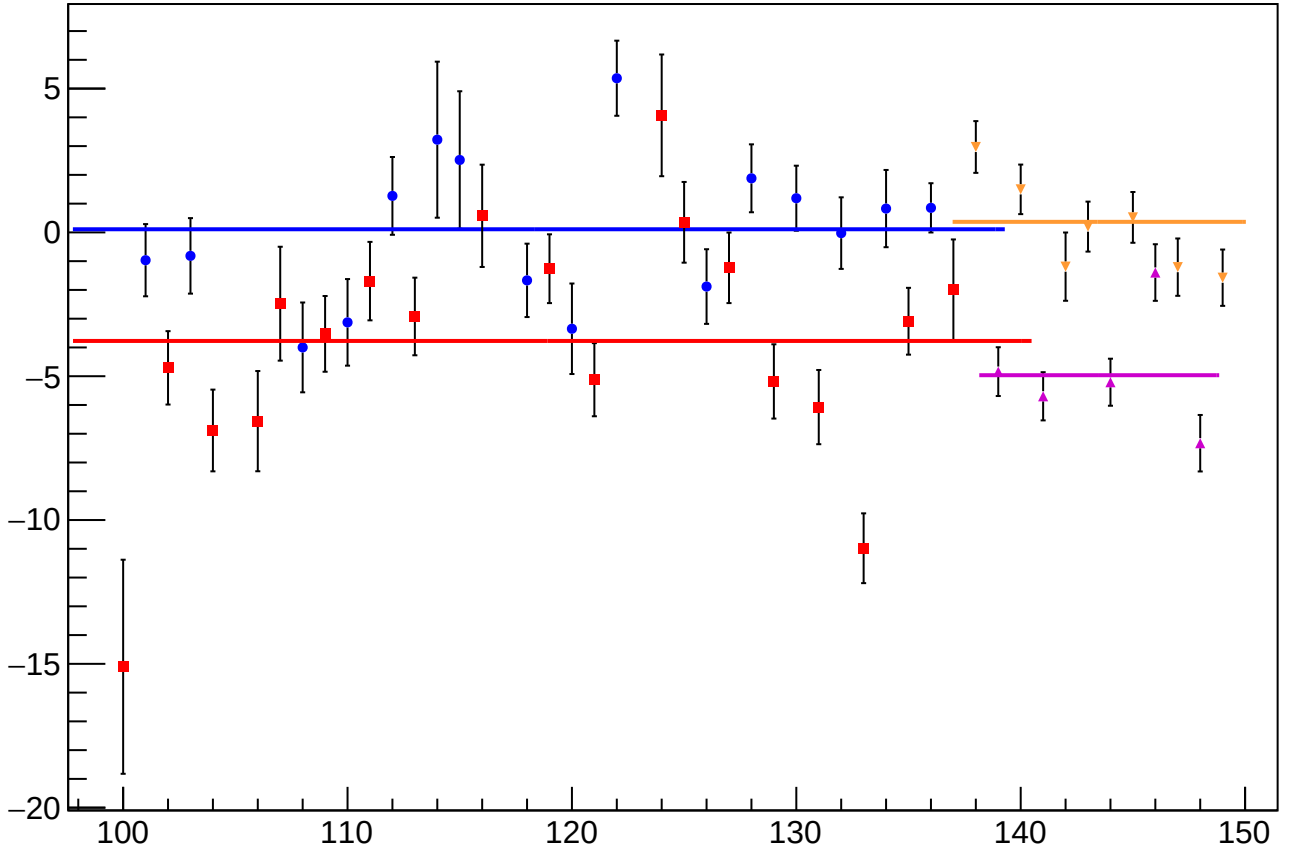
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 758.070+/-0.158 χ^2/NDF:275786.1/20

Out: 758.625+/-0.150 χ^2/NDF:275585.2/25

All: 758.362+/-0.109 χ^2/NDF: 551377.8/46

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.367+/-0.355 χ^2/NDF:18.3/6

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: -2.007+/-0.264 χ^2/NDF: 138.8/11

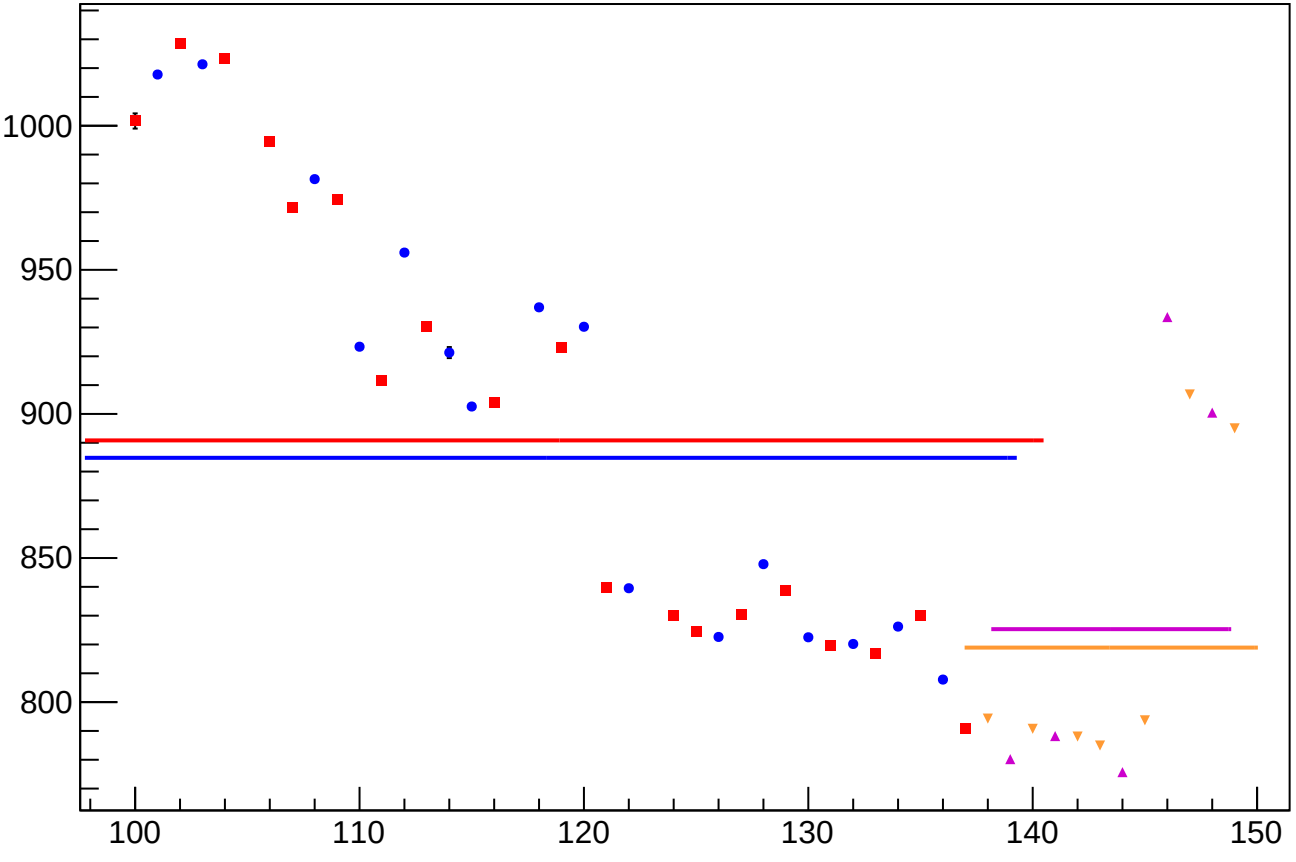
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.970+/-0.253 χ^2/NDF:162.1/20

Out: -1.877+/-0.240 χ^2/NDF:191.8/25

All: -1.921+/-0.174 χ^2/NDF: 354.0/46

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 818.921+/-0.251 χ^2/NDF:37290.3/6

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: 821.770+/-0.187 χ^2/NDF: 90456.1/11

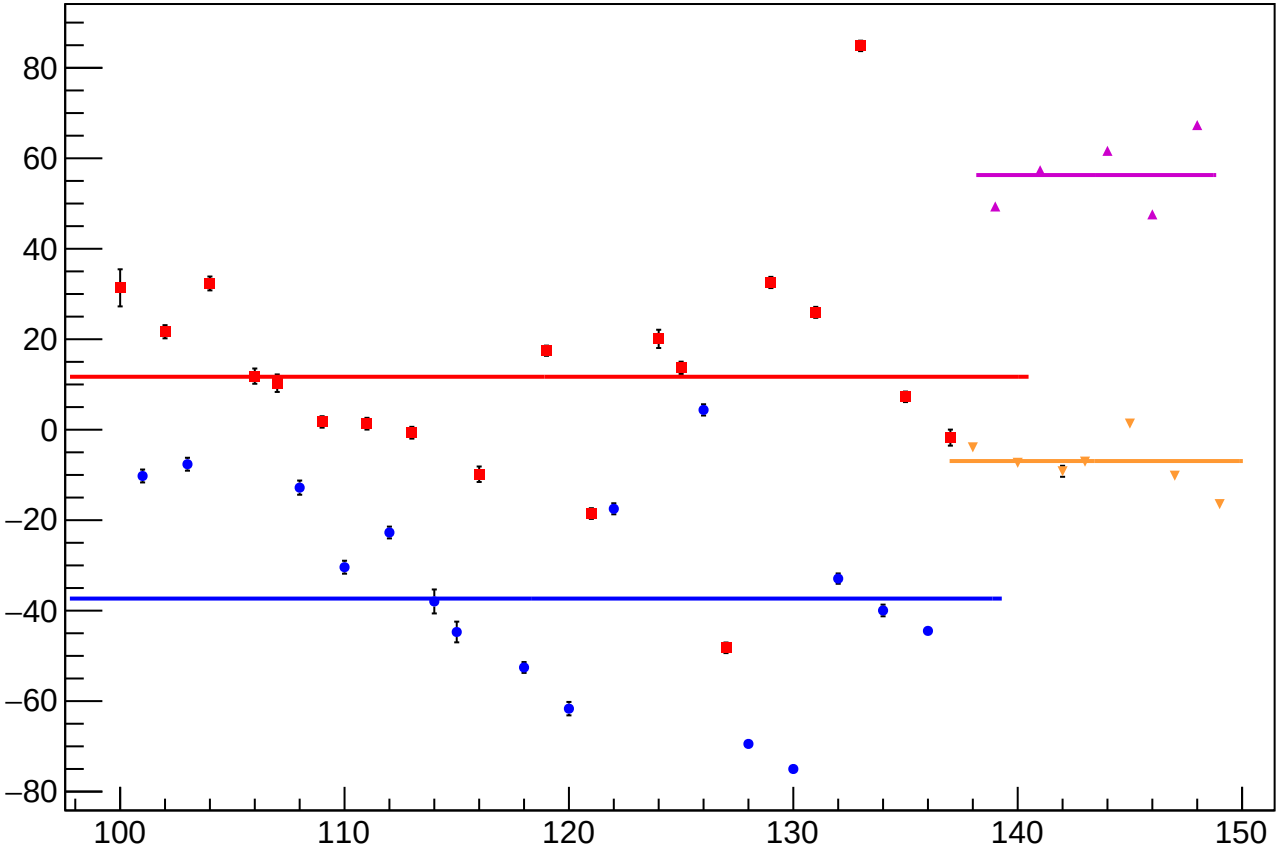
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 860.407+/-0.179 χ^2/NDF:183991.4/20

Out: 857.883+/-0.170 χ^2/NDF:189593.4/25

All: 859.077+/-0.123 χ^2/NDF: 373689.3/46

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -6.927+/-0.365 χ^2/NDF:190.0/6

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: 21.198+/-0.272 χ^2/NDF: 13817.2/11

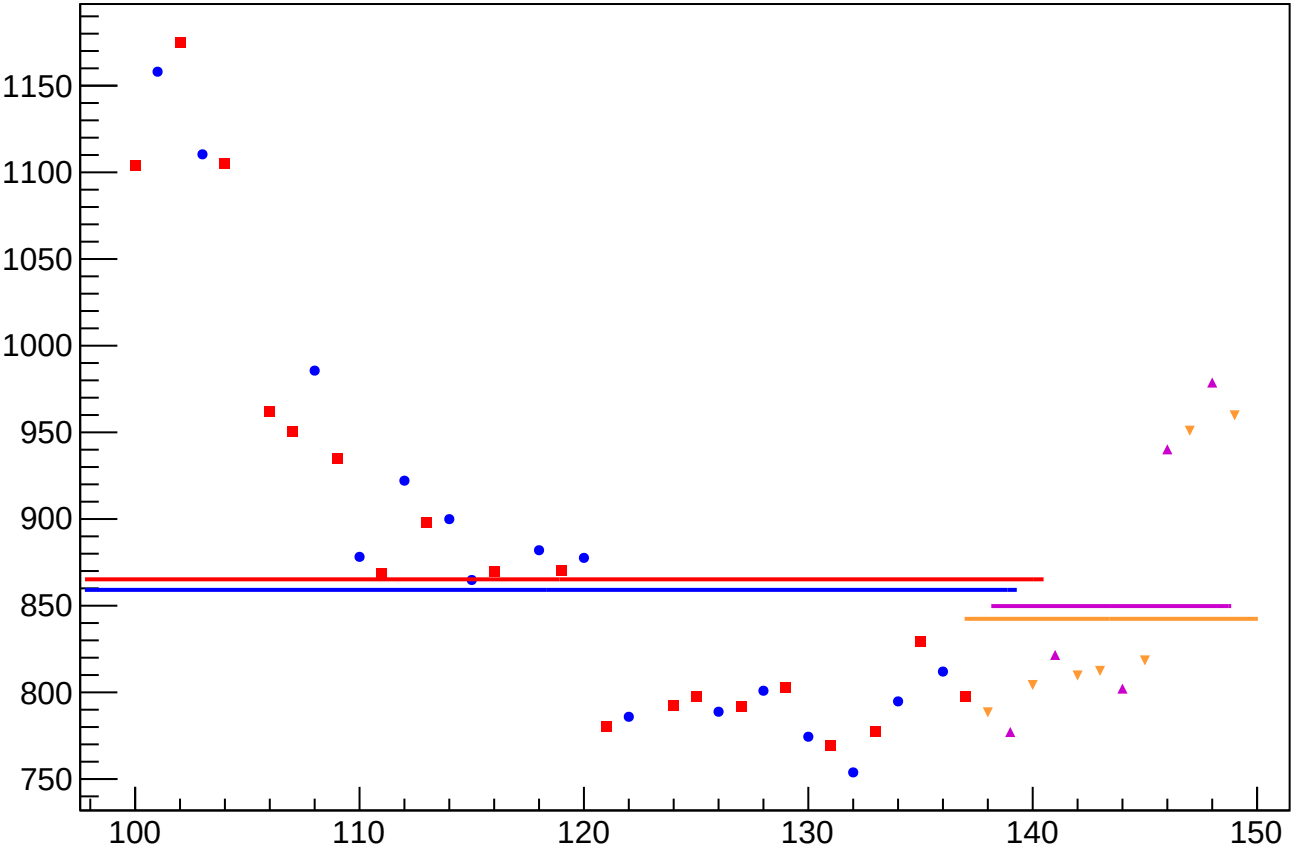
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -1.428+/-0.253 χ^2/NDF:37951.8/20

Out: 3.673+/-0.240 χ^2/NDF:10134.7/25

All: 1.256+/-0.174 χ^2/NDF: 48300.9/46

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 842.432+/-0.258 χ^2/NDF:62717.8/6

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: 845.699+/-0.192 χ^2/NDF: 132143.9/11

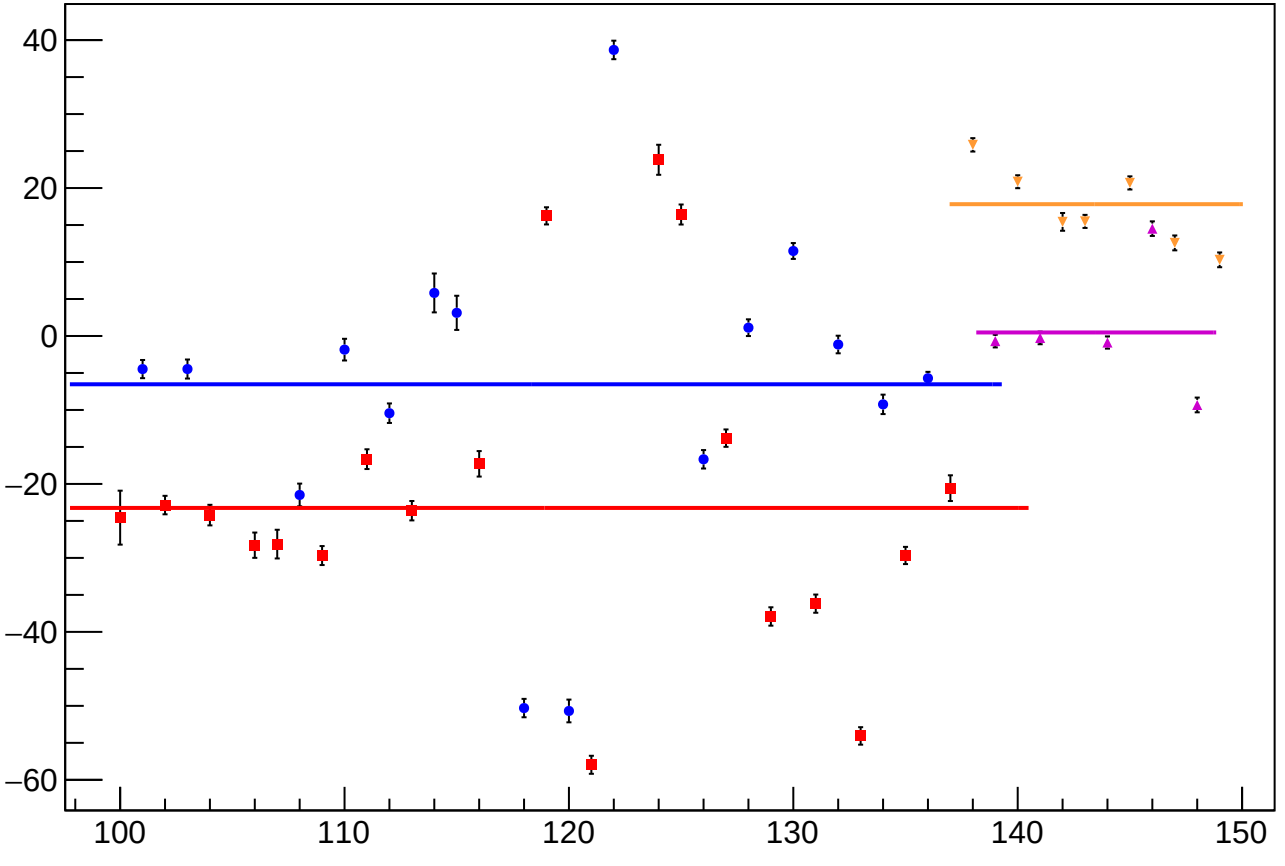
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 855.541+/-0.179 χ^2/NDF:298423.6/20

Out: 855.391+/-0.170 χ^2/NDF:290814.6/25

All: 855.462+/-0.123 χ^2/NDF: 589238.5/46

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 17.818+/-0.359 χ^2/NDF:195.3/6

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: 10.095+/-0.268 χ^2/NDF: 1536.8/11

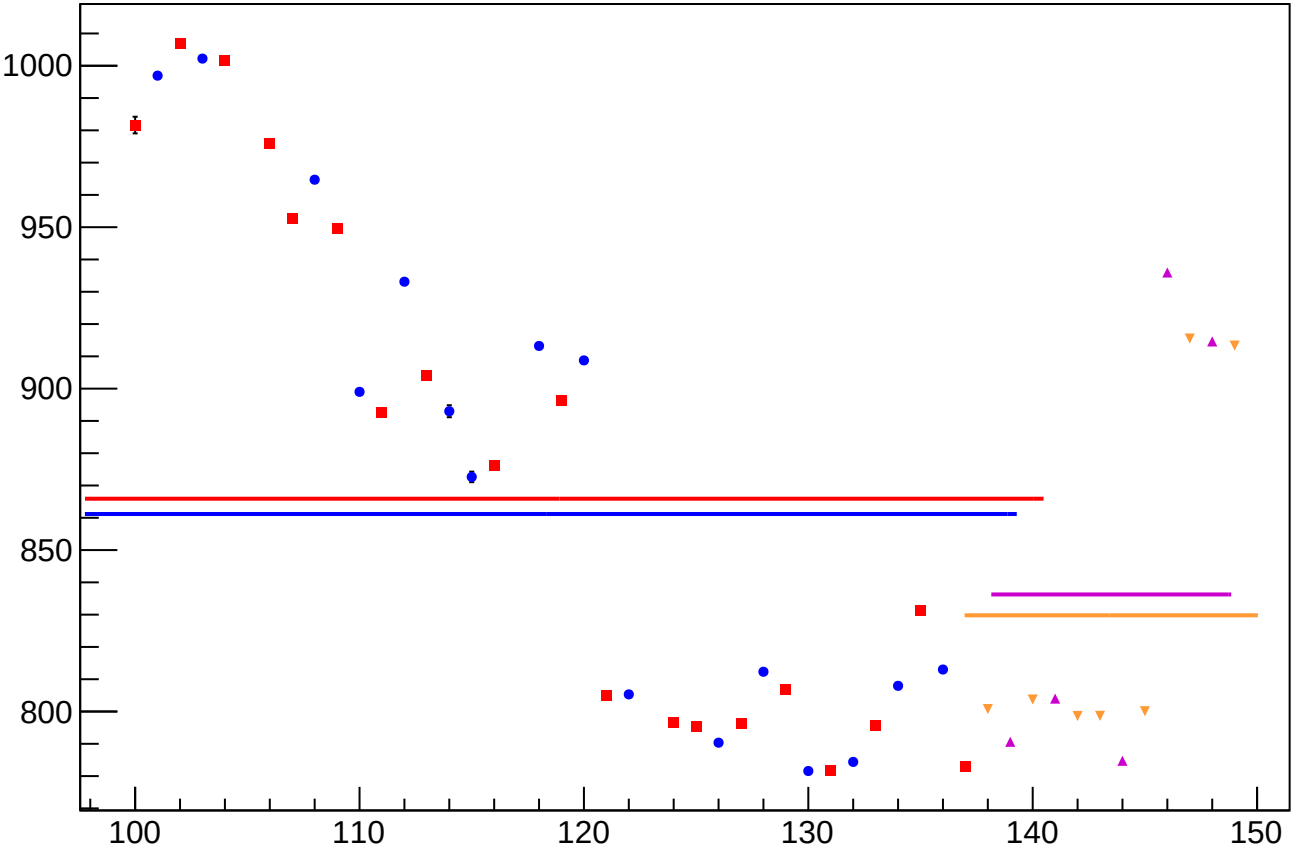
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.791+/-0.251 χ^2/NDF:4436.2/20

Out: -5.272+/-0.238 χ^2/NDF:12007.8/25

All: -4.571+/-0.173 χ^2/NDF: 16462.4/46

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 829.798+/-0.254 χ^2/NDF:38365.3/6

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: 832.674+/-0.189 χ^2/NDF: 87688.3/11

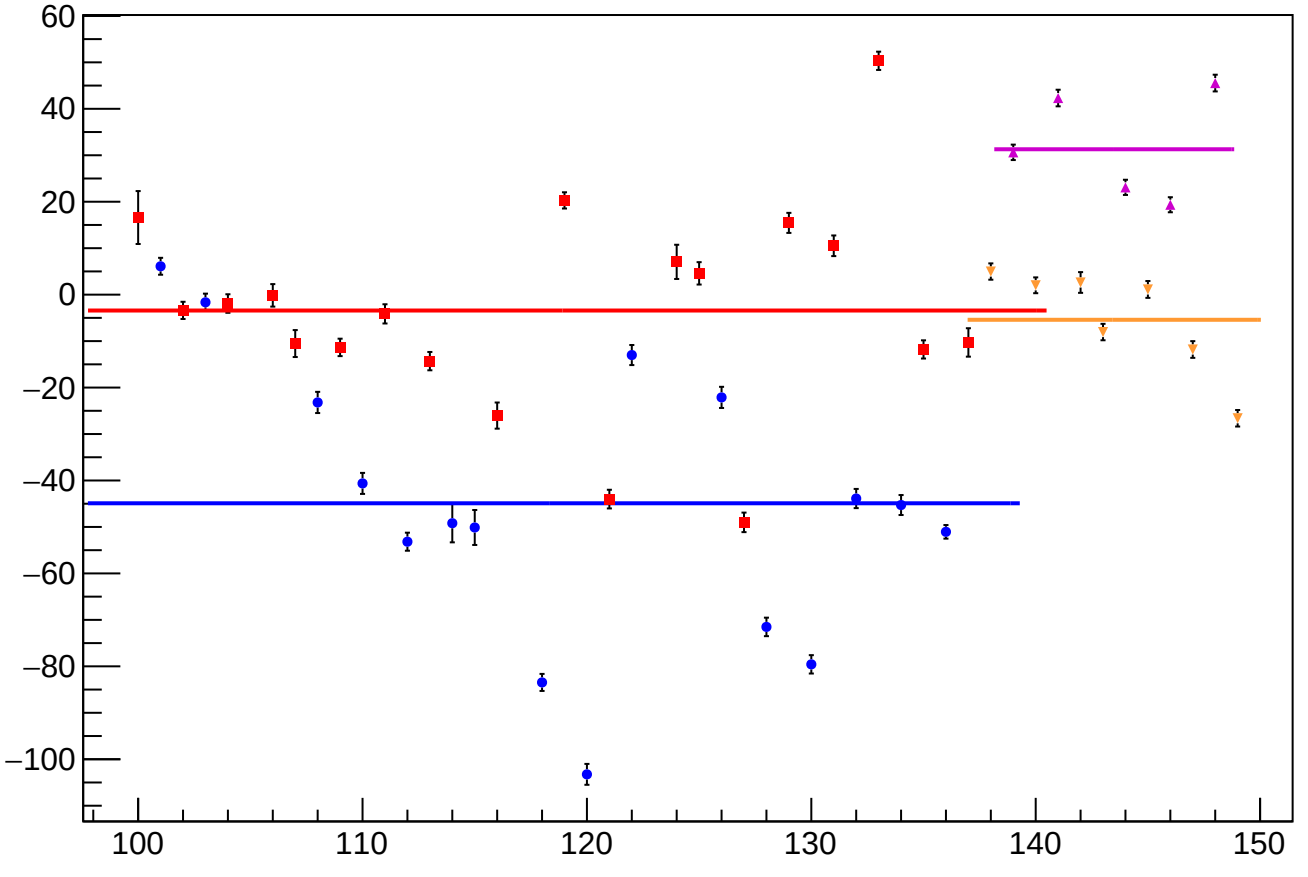
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 851.433+/-0.177 χ^2/NDF:167268.1/20

Out: 850.103+/-0.168 χ^2/NDF:168139.6/25

All: 850.733+/-0.122 χ^2/NDF: 335437.3/46

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -5.411+/-0.687 χ^2/NDF:237.1/6

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: 11.121+/-0.509 χ^2/NDF: 1704.7/11

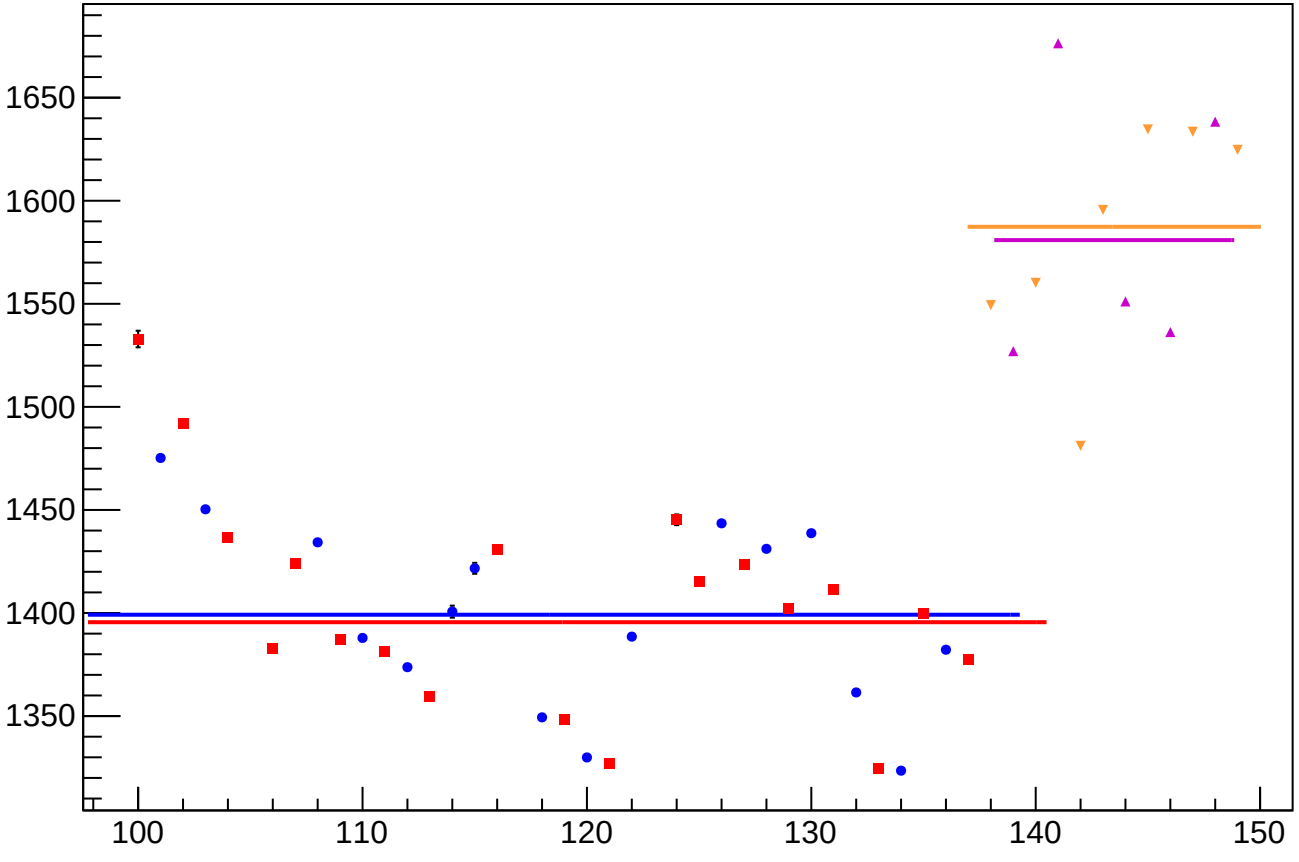
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -20.544+/-0.429 χ^2/NDF:10425.5/20

Out: -4.124+/-0.409 χ^2/NDF:2344.6/25

All: -11.945+/-0.296 χ^2/NDF: 13538.0/46

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1587.358+/-0.485 χ^2/NDF:9583.8/6

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: 1584.453+/-0.360 χ^2/NDF: 21692.0/11

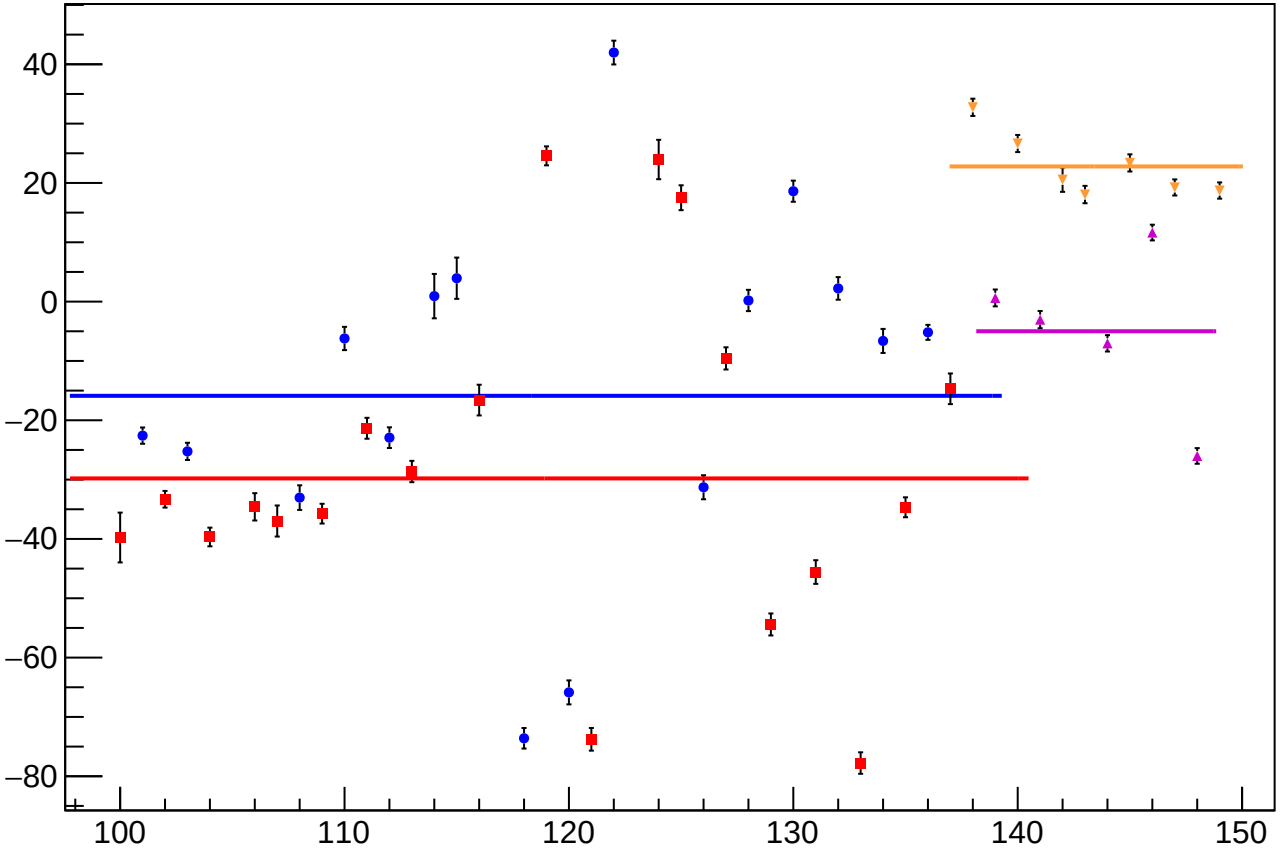
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1457.275+/-0.303 χ^2/NDF:105005.5/20

Out: 1463.607+/-0.289 χ^2/NDF:126541.9/25

All: 1460.591+/-0.209 χ^2/NDF: 231775.8/46

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.785+/-0.558 χ^2/NDF:81.5/6

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -4.996+/-0.616 χ^2/NDF:431.7/4

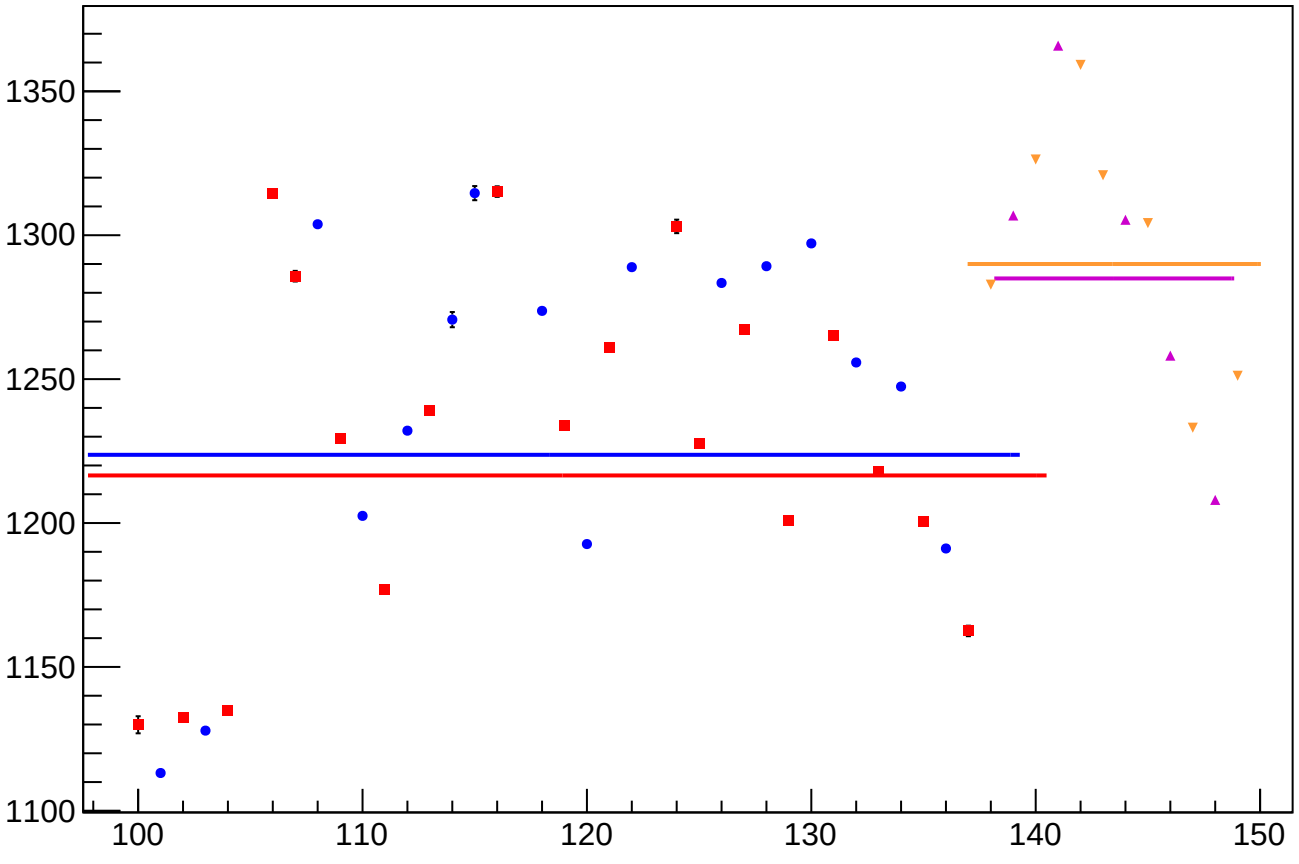
Left: 10.258+/-0.413 χ^2/NDF: 1630.9/11

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.032+/-0.366 χ^2/NDF:4111.4/20

Out: -9.393+/-0.348 χ^2/NDF:9197.5/25

All: -10.644+/-0.252 χ^2/NDF: 13336.2/46



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1290.001+/-0.395 χ^2/NDF:9804.3/6

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: 1287.737+/-0.292 χ^2/NDF: 24583.0/11

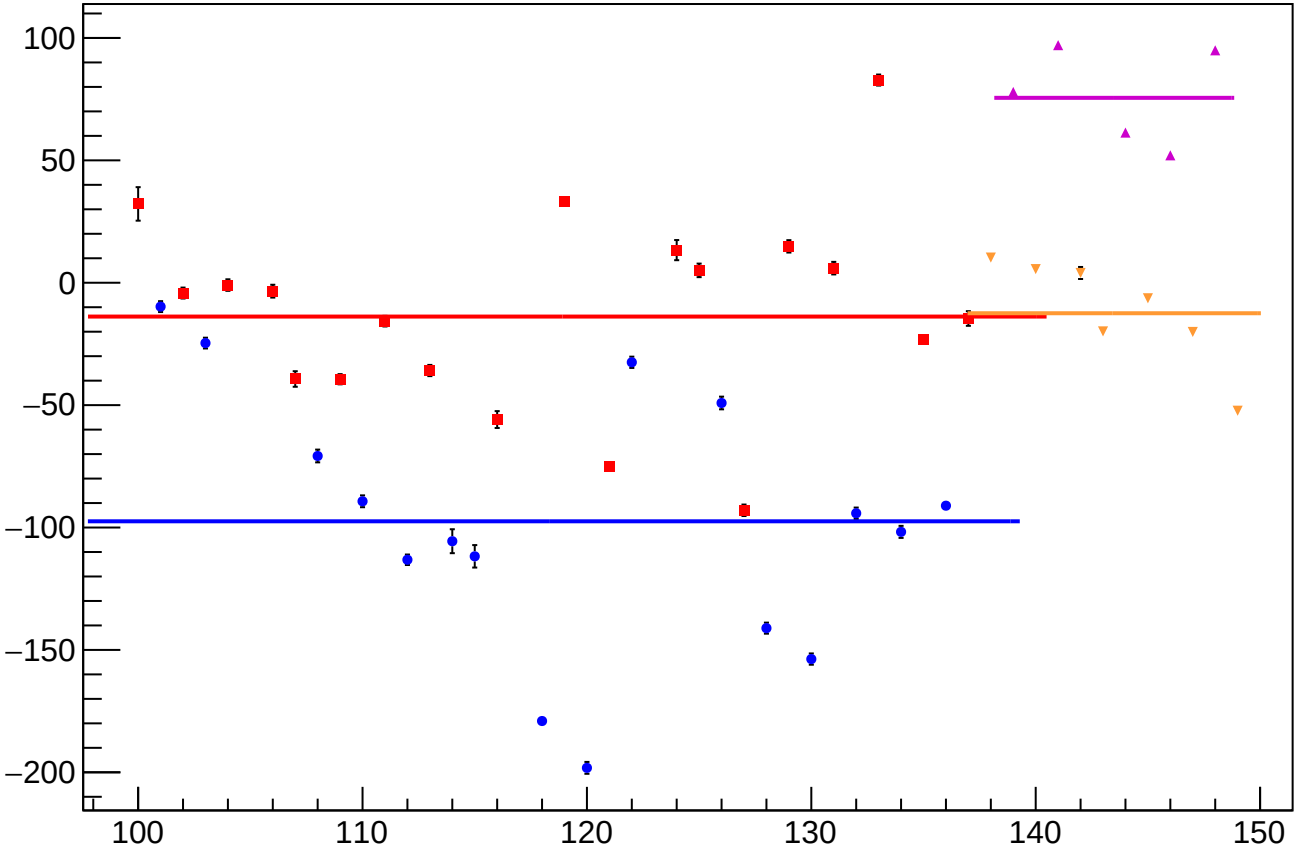
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1245.361+/-0.259 χ^2/NDF:68397.8/20

Out: 1245.044+/-0.246 χ^2/NDF:60401.5/25

All: 1245.194+/-0.178 χ^2/NDF: 128800.1/46

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -12.459+/-0.703 χ^2/NDF:846.2/6

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: 27.269+/-0.520 χ^2/NDF: 8462.0/11

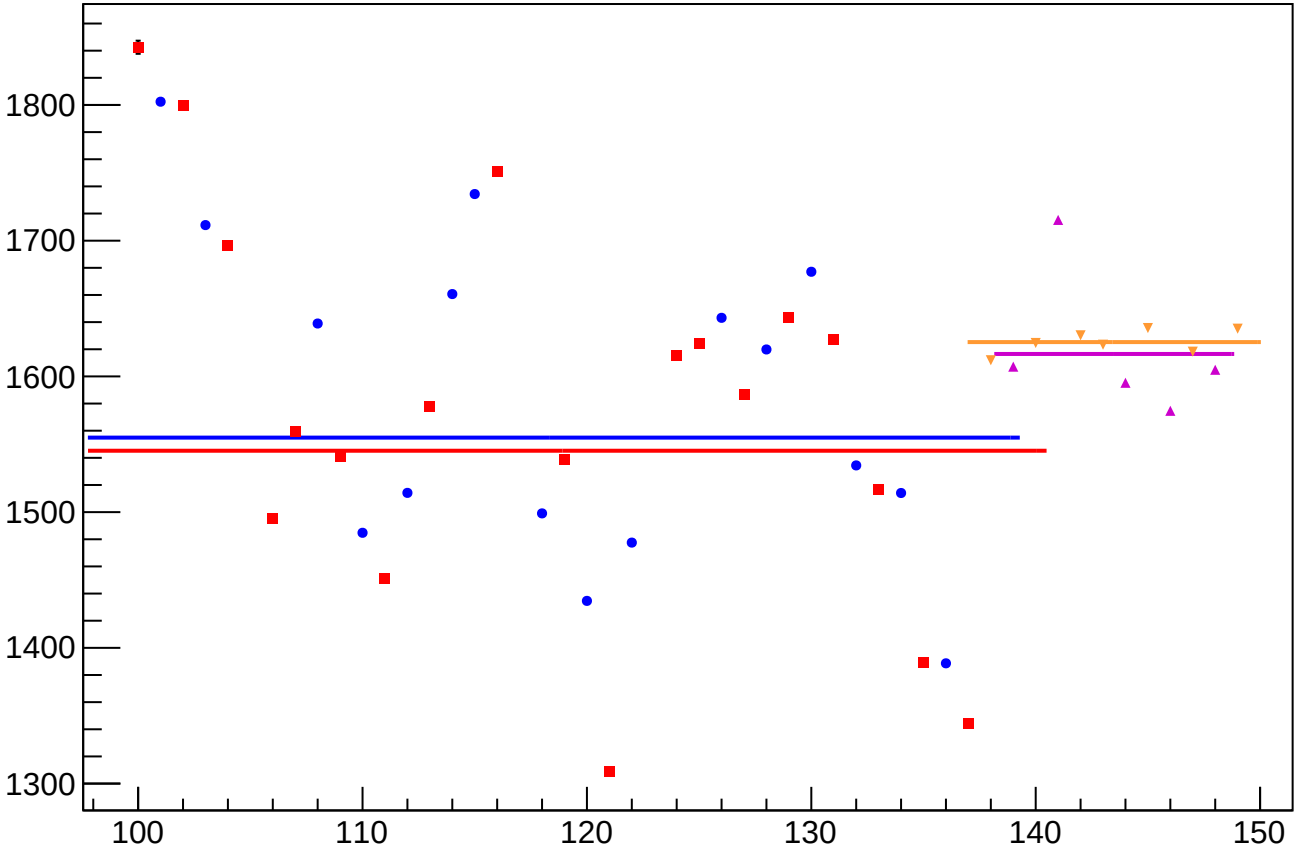
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -35.376+/-0.464 χ^2/NDF:40822.9/20

Out: -13.282+/-0.441 χ^2/NDF:6200.6/25

All: -23.760+/-0.319 χ^2/NDF: 48215.8/46

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1625.291+/-0.497 χ^2/NDF:275.9/6

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: 1621.338+/-0.368 χ^2/NDF: 7983.4/11

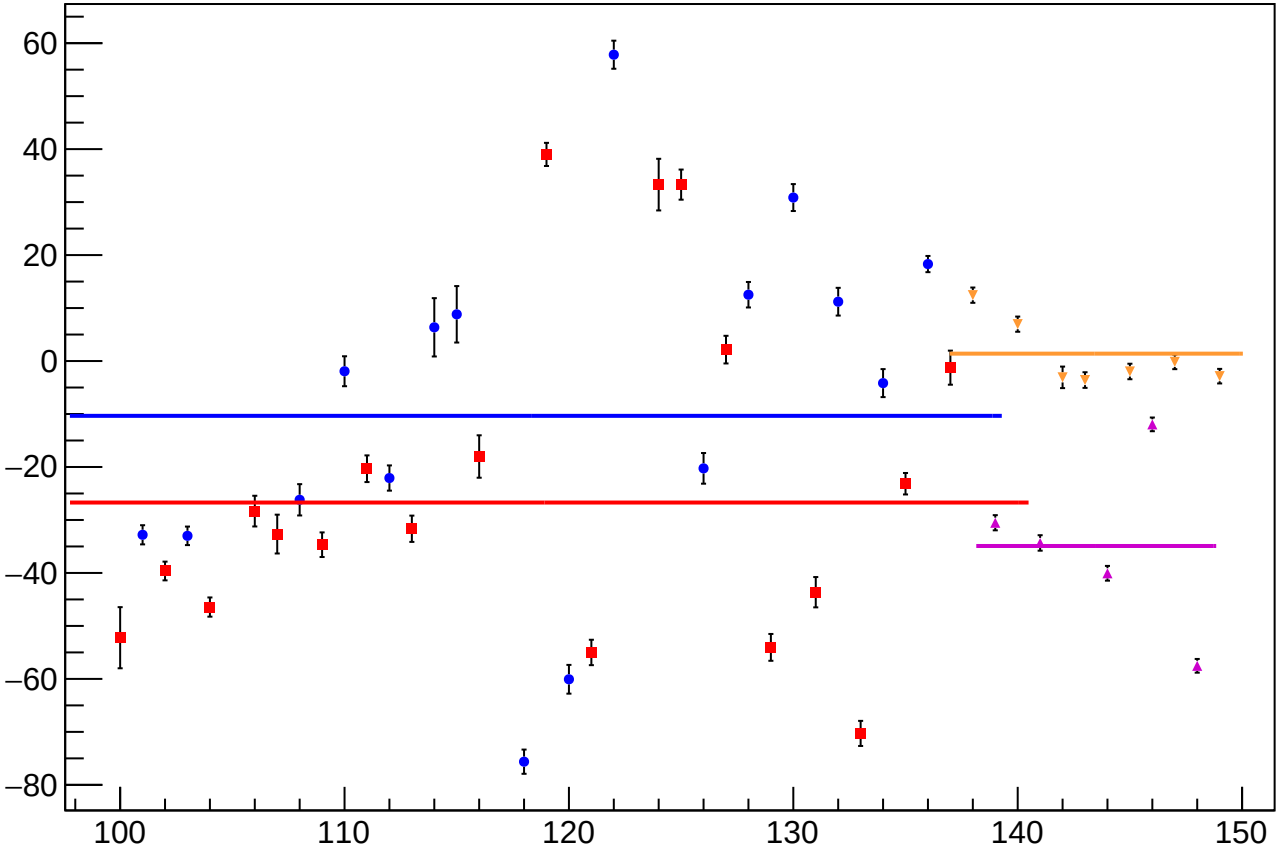
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1577.023+/-0.328 χ^2/NDF:103606.0/20

Out: 1576.721+/-0.312 χ^2/NDF:124817.4/25

All: 1576.864+/-0.226 χ^2/NDF: 228423.9/46

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 1.395+/-0.560 χ^2/NDF:105.9/6

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: -15.121+/-0.413 χ^2/NDF: 2661.5/11

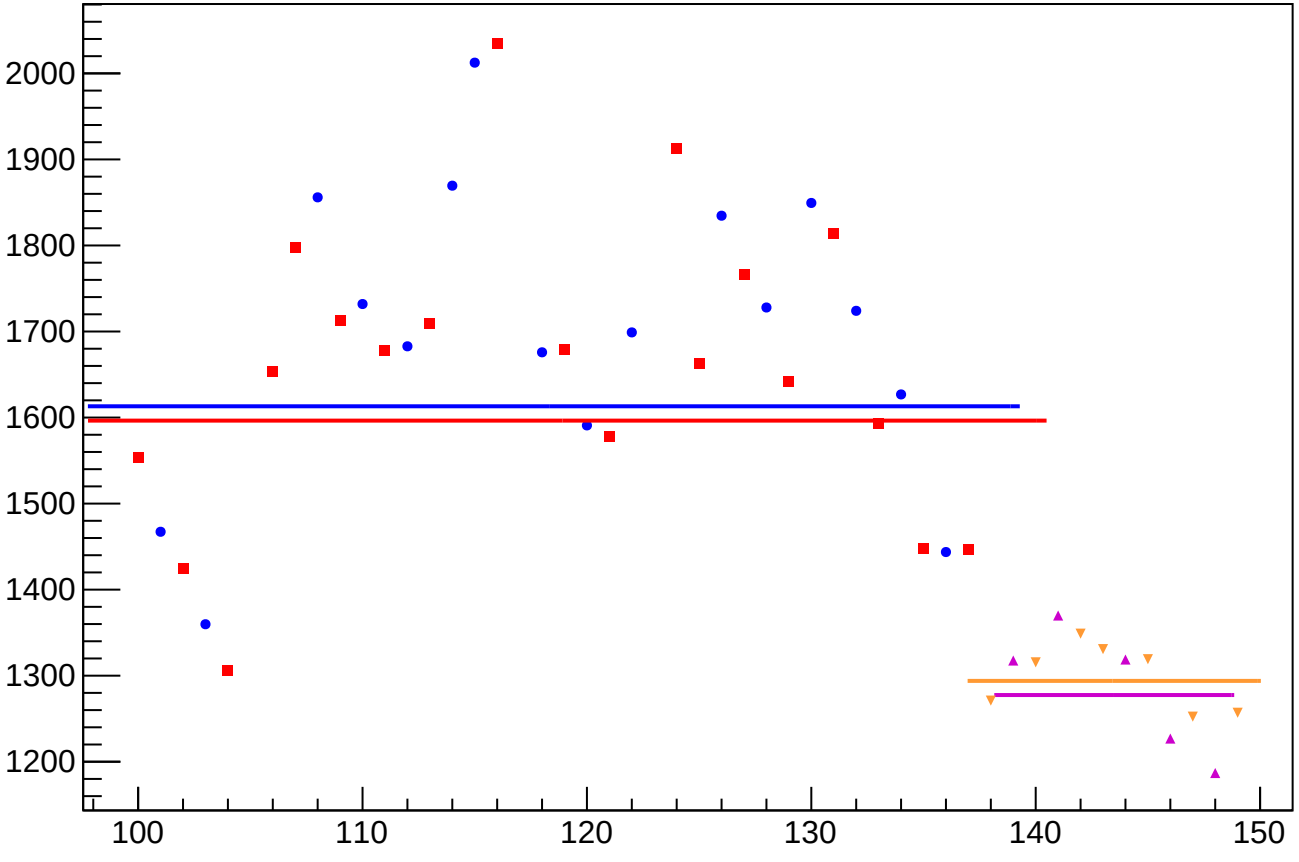
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -22.433+/-0.430 χ^2/NDF:4465.5/20

Out: -12.006+/-0.405 χ^2/NDF:3848.5/25

All: -16.908+/-0.295 χ^2/NDF: 8625.7/46

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1293.941+/-0.396 χ^2/NDF:7532.7/6

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: 1286.462+/-0.292 χ^2/NDF: 32463.3/11

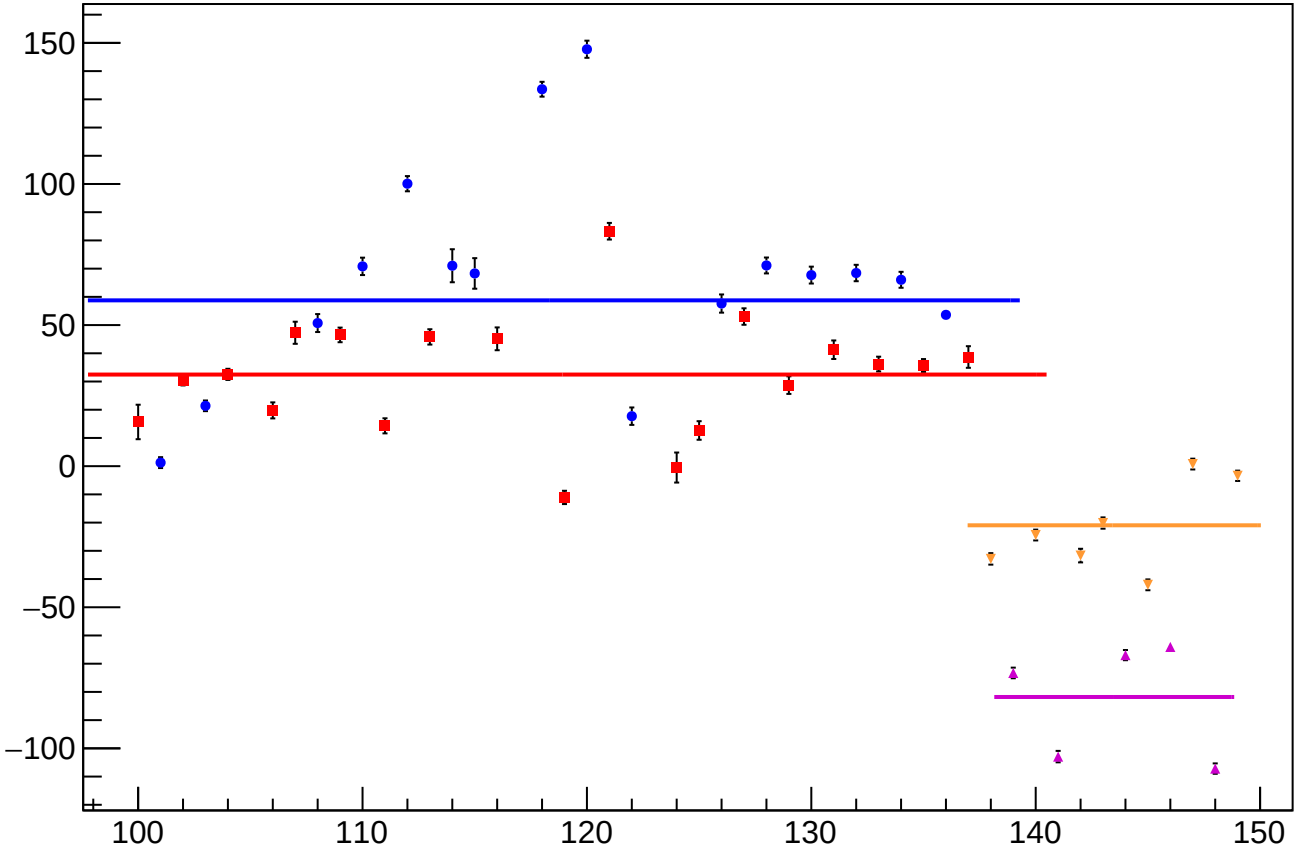
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1447.960+/-0.304 χ^2/NDF:483542.2/20

Out: 1438.187+/-0.286 χ^2/NDF:446723.4/25

All: 1442.782+/-0.208 χ^2/NDF: 930813.3/46

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -20.955+/-0.750 χ^2/NDF:398.1/6

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: -48.246+/-0.557 χ^2/NDF: 3833.8/11

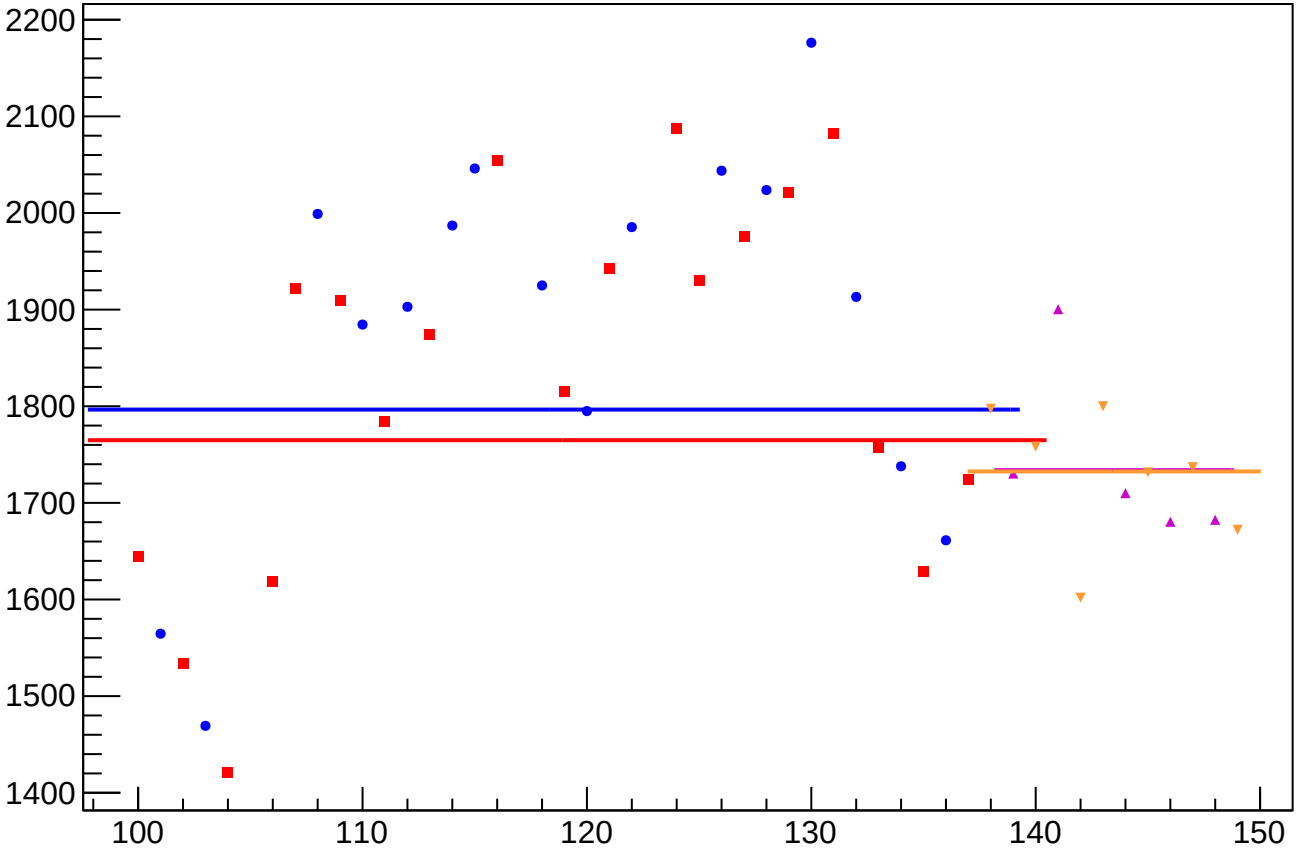
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 3.218+/-0.523 χ^2/NDF:21194.6/20

Out: 9.627+/-0.491 χ^2/NDF:4230.7/25

All: 6.627+/-0.358 χ^2/NDF: 25505.2/46

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1732.505+/-0.531 χ^2/NDF:12714.8/6

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: 1733.109+/-0.394 χ^2/NDF: 29916.3/11

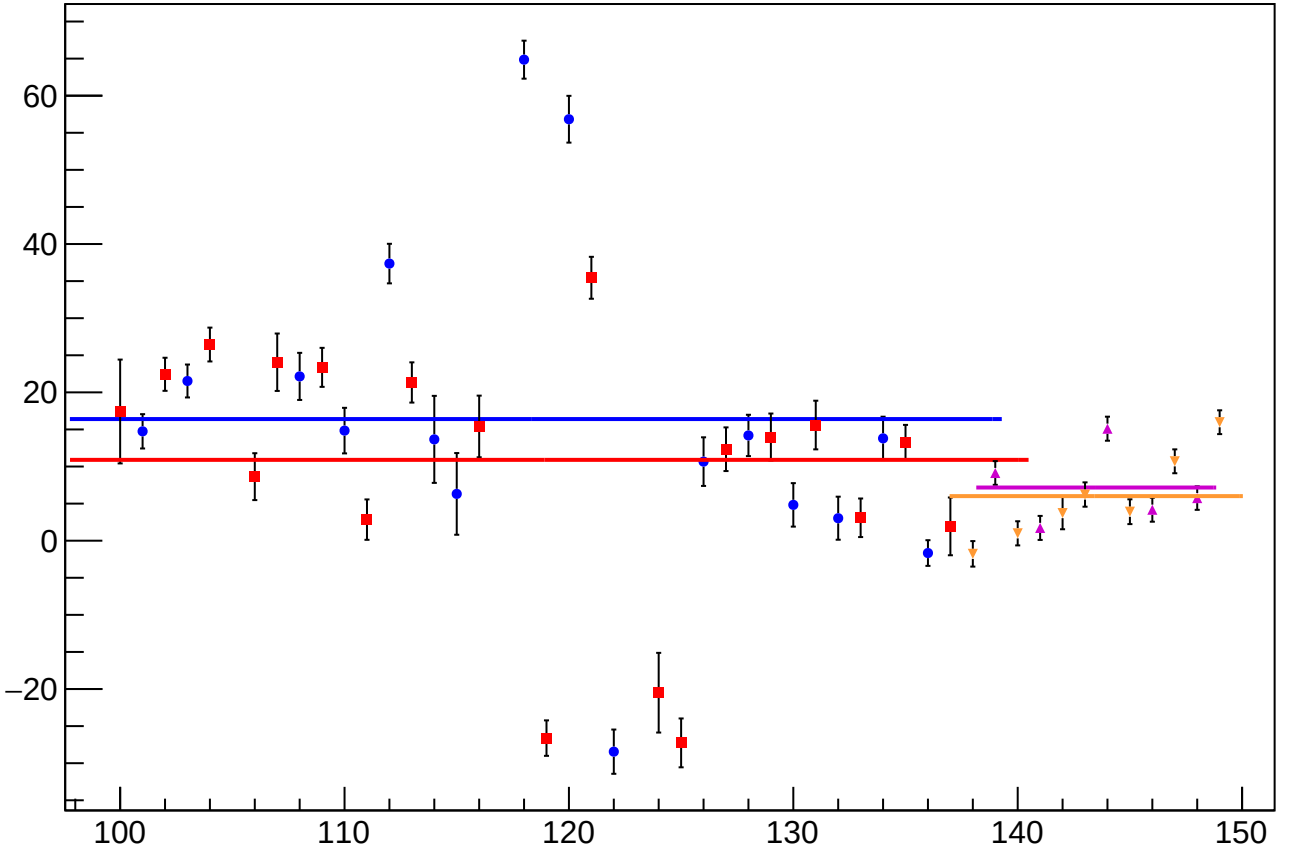
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1771.777+/-0.370 χ^2/NDF:217242.1/20

Out: 1751.027+/-0.347 χ^2/NDF:204831.7/25

All: 1760.740+/-0.253 χ^2/NDF: 423748.5/46

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 6.010+/-0.642 χ^2/NDF:79.7/6

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: 6.524+/-0.479 χ^2/NDF: 122.2/11

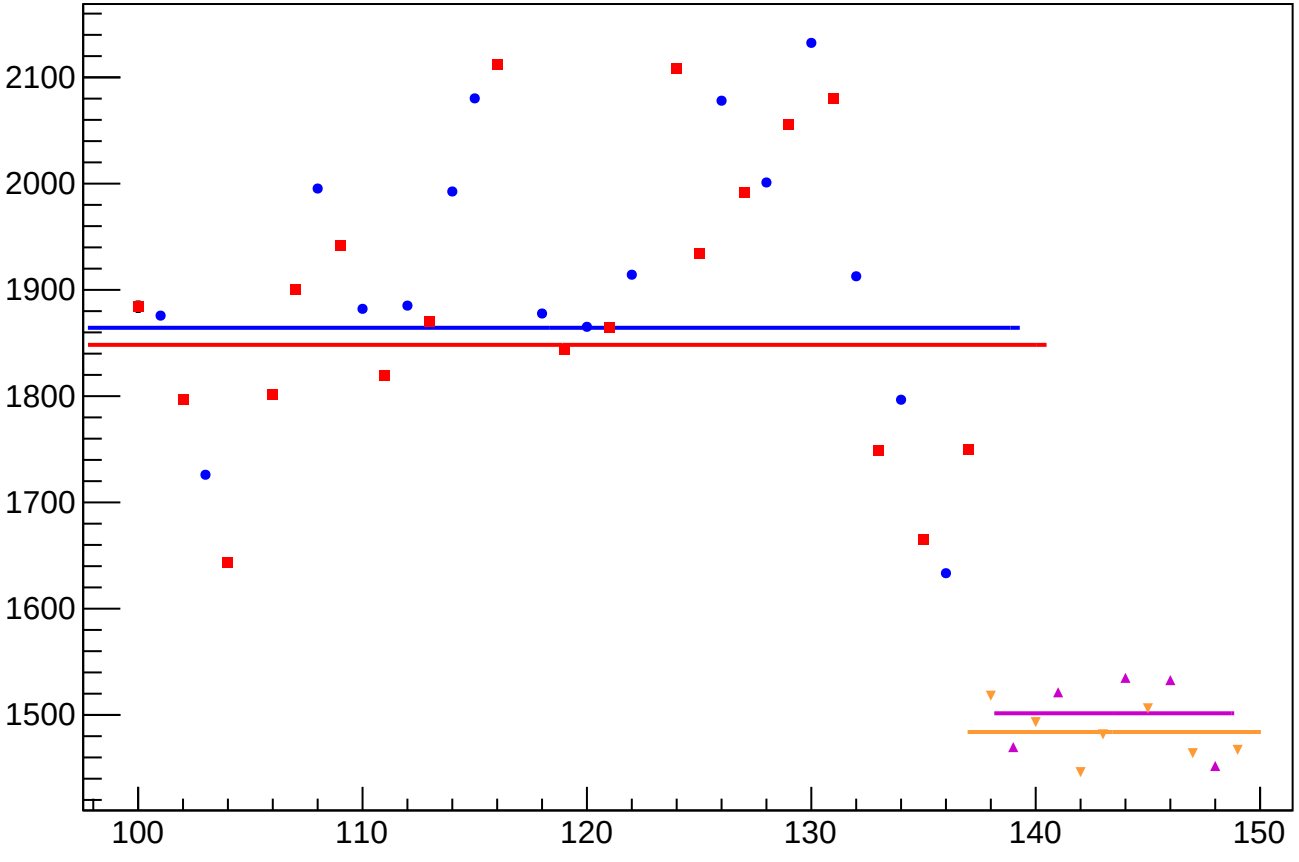
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.941+/-0.500 χ^2/NDF:1099.2/20

Out: 8.326+/-0.465 χ^2/NDF:748.9/25

All: 10.005+/-0.341 χ^2/NDF: 1876.1/46

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1483.935+/-0.454 χ^2/NDF:2339.8/6

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: 1491.745+/-0.338 χ^2/NDF: 7650.5/11

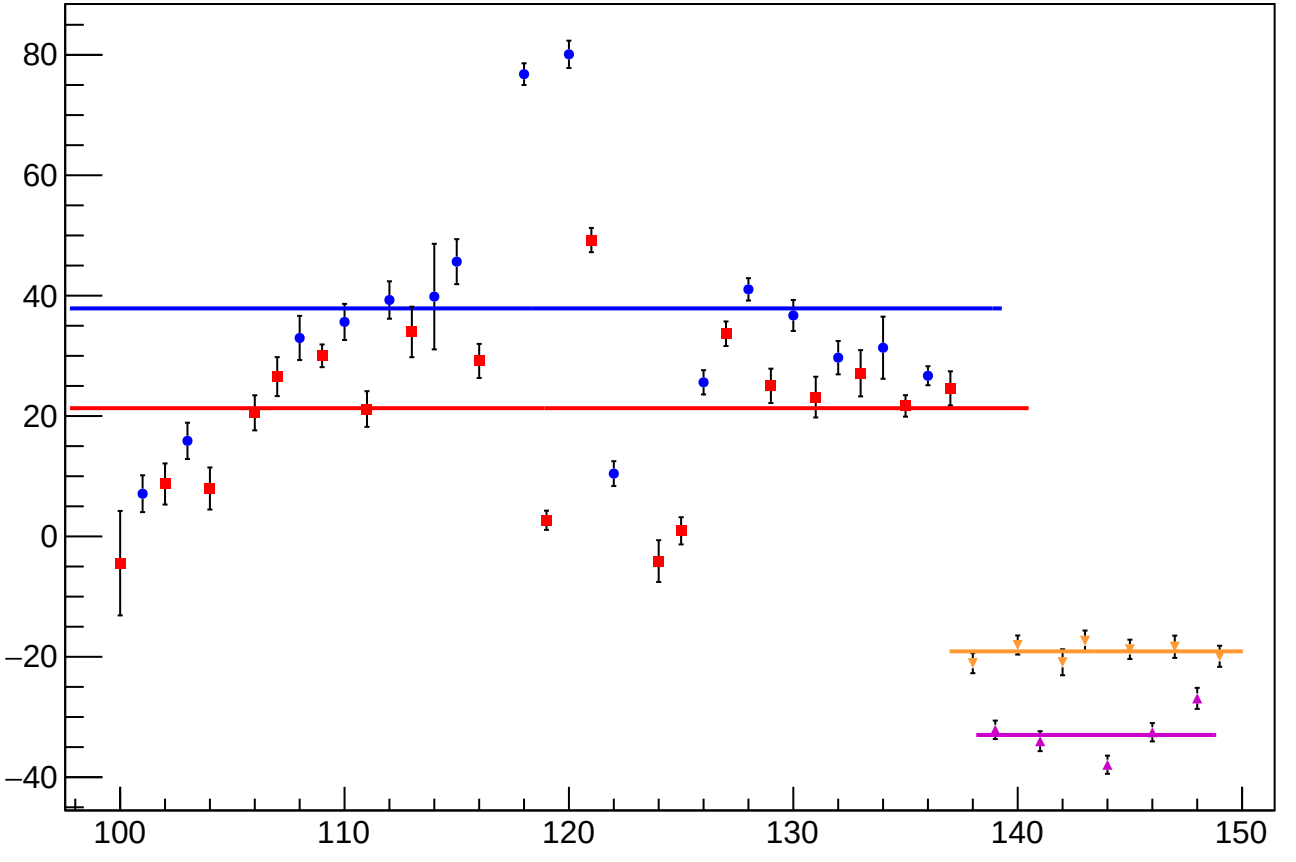
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1689.101+/-0.353 χ^2/NDF:351197.0/20

Out: 1656.523+/-0.329 χ^2/NDF:382847.9/25

All: 1671.658+/-0.241 χ^2/NDF: 738596.9/46

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.092+/-0.657 χ^2/NDF:4.0/6

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: -25.506+/-0.482 χ^2/NDF: 234.3/11

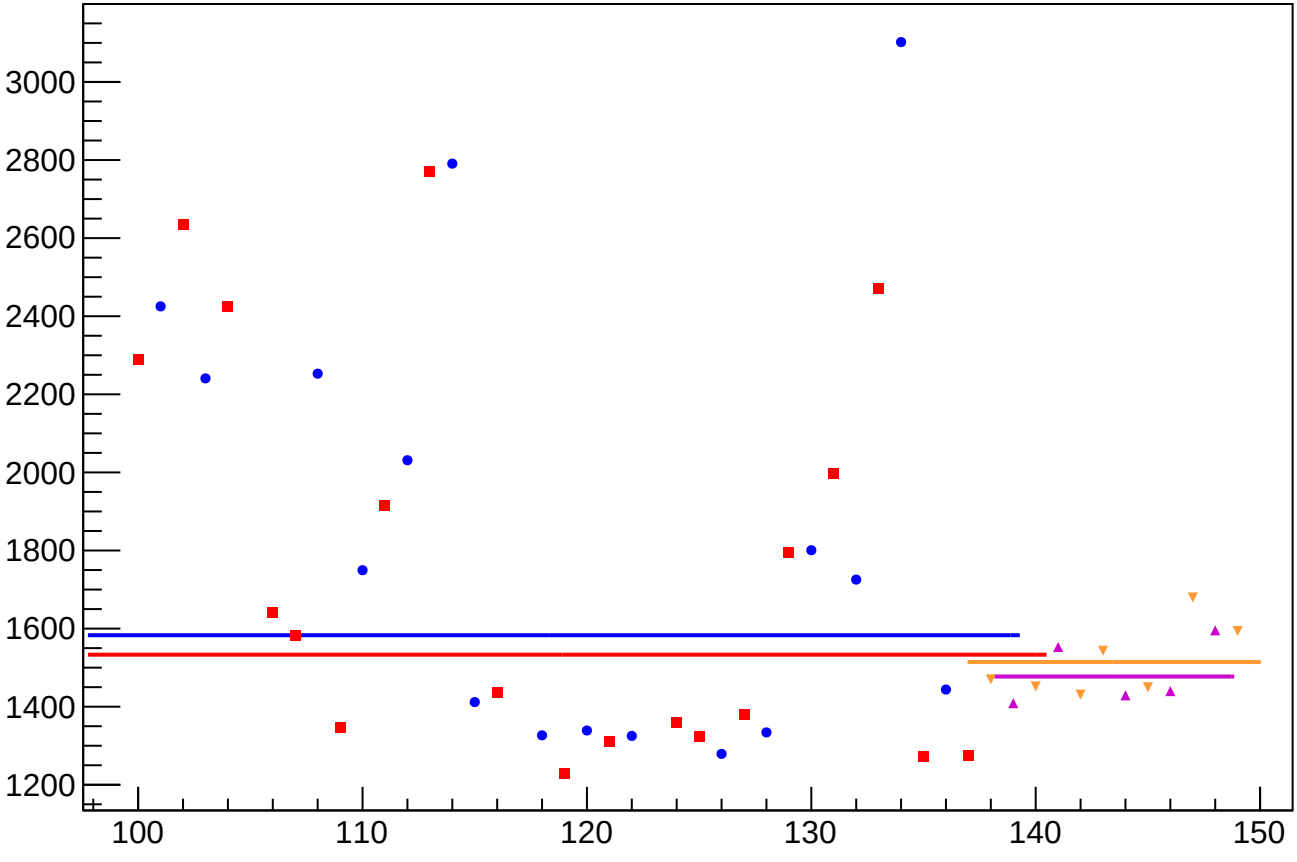
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 7.044+/-0.468 χ^2/NDF:6915.1/20

Out: 3.162+/-0.440 χ^2/NDF:2671.5/25

All: 4.985+/-0.321 χ^2/NDF: 9623.2/46

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1514.404+/-0.464 χ^2/NDF:31438.3/6

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: 1497.261+/-0.341 χ^2/NDF: 54921.6/11

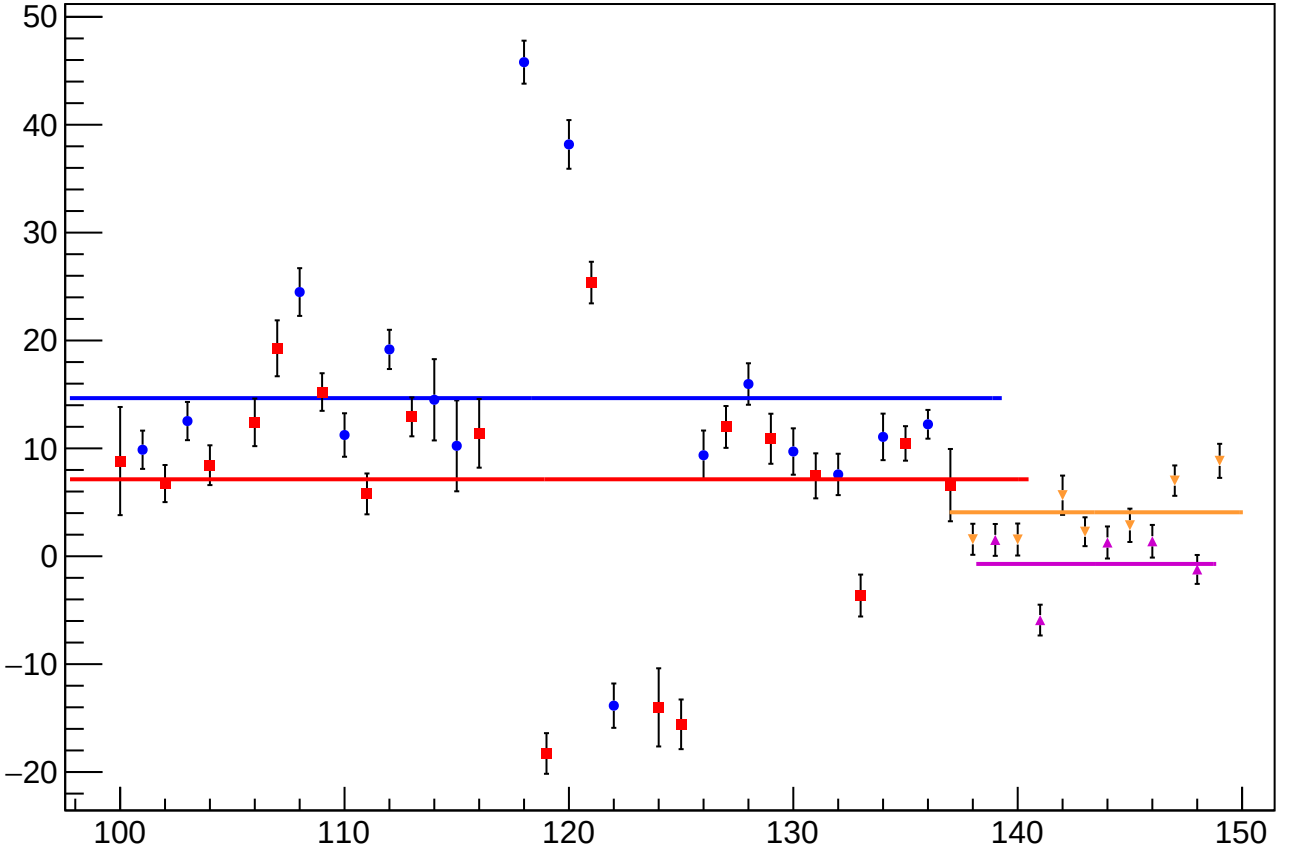
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1537.021+/-0.331 χ^2/NDF:833343.3/20

Out: 1524.753+/-0.311 χ^2/NDF:983117.3/25

All: 1530.513+/-0.227 χ^2/NDF: 1817190.4/46

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 4.076+/-0.566 χ^2/NDF:22.6/6

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: 1.999+/-0.426 χ^2/NDF: 73.1/11

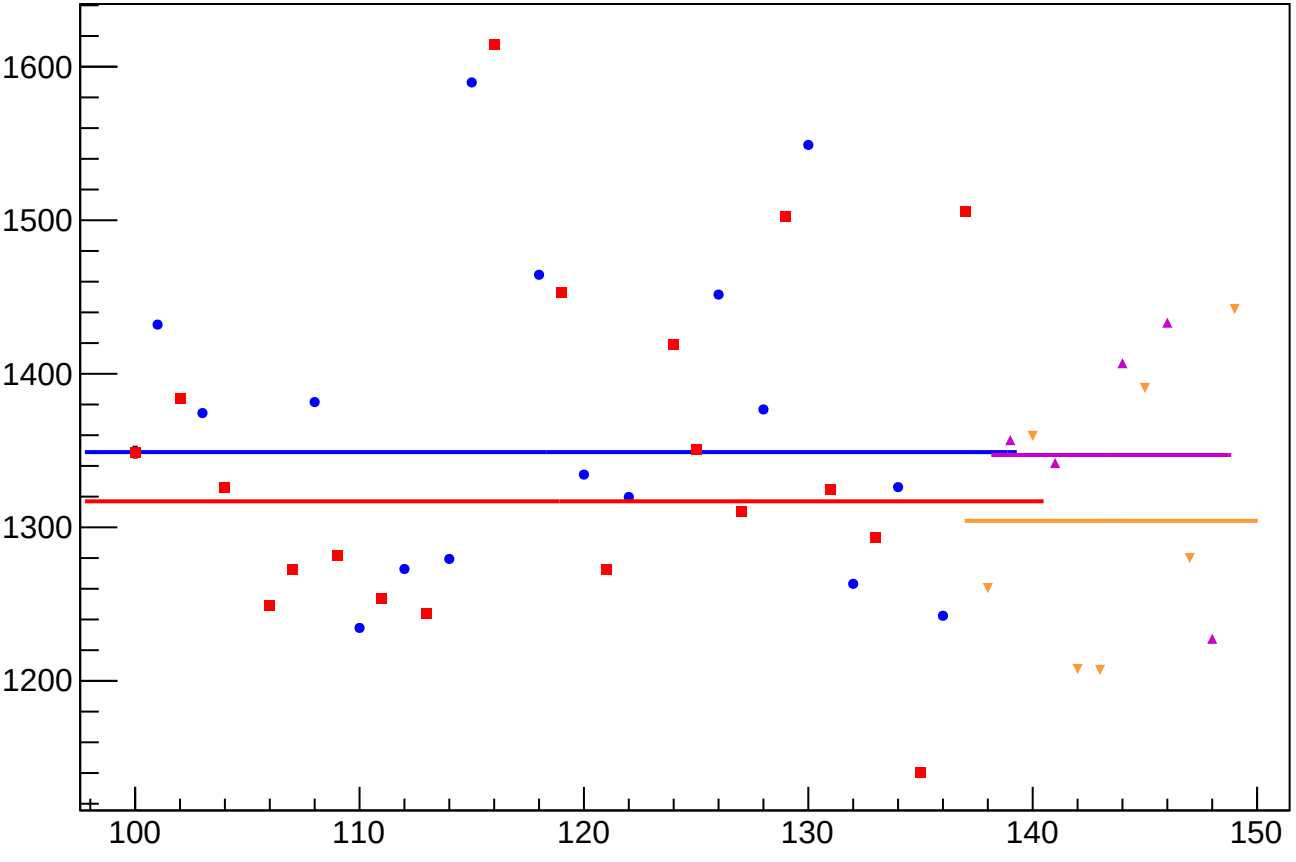
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 8.837+/-0.398 χ^2/NDF:985.7/20

Out: 5.845+/-0.367 χ^2/NDF:548.9/25

All: 7.223+/-0.270 χ^2/NDF: 1565.1/46

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1304.231+/-0.400 χ^2/NDF:42941.4/6

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: 1322.847+/-0.301 χ^2/NDF: 73700.6/11

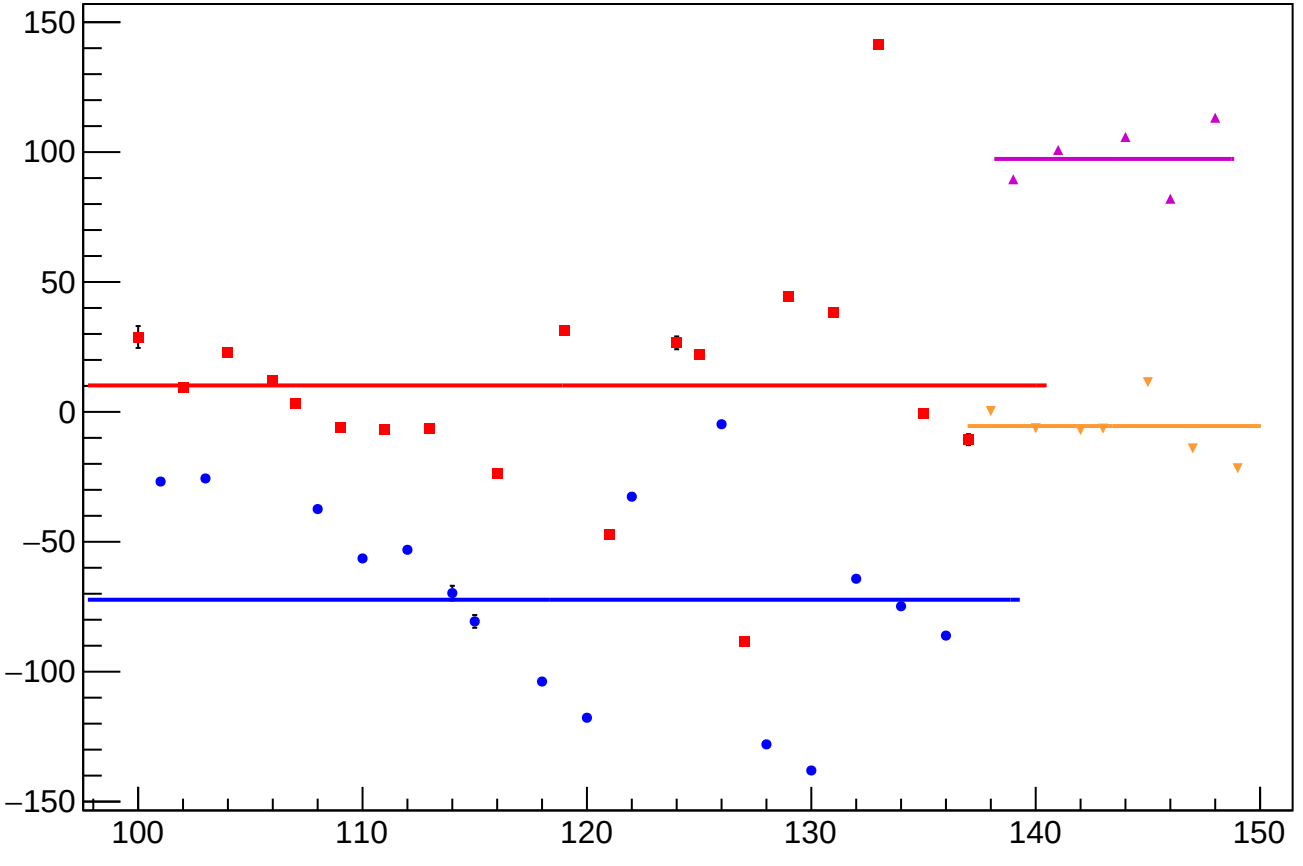
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1348.289+/-0.281 χ^2/NDF:94165.8/20

Out: 1311.593+/-0.260 χ^2/NDF:130400.4/25

All: 1328.495+/-0.191 χ^2/NDF: 233753.8/46

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -5.446+/-0.416 χ^2/NDF:554.5/6

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: 40.985+/-0.308 χ^2/NDF: 28643.6/11

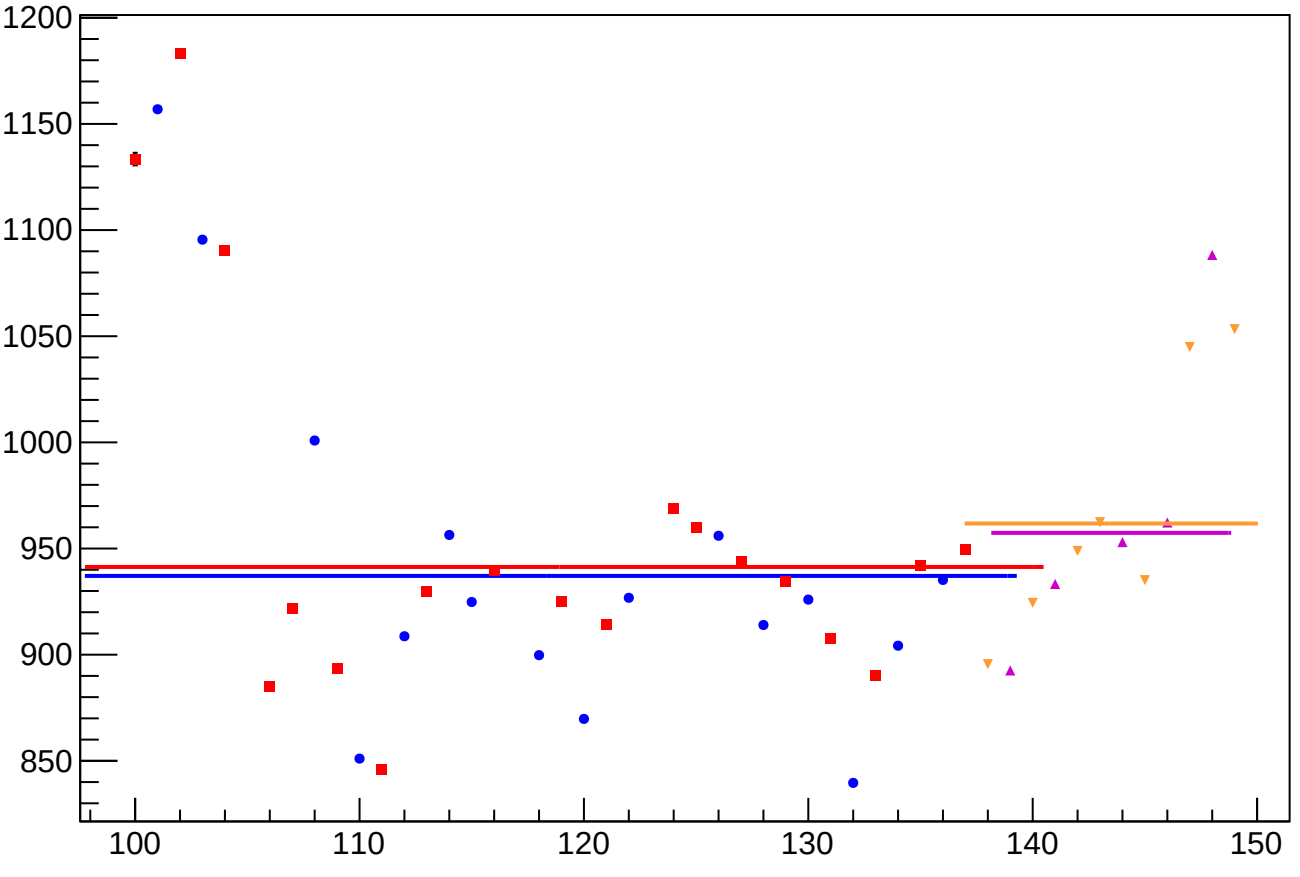
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -10.014+/-0.278 χ^2/NDF:99252.5/20

Out: 3.834+/-0.265 χ^2/NDF:20437.3/25

All: -2.770+/-0.192 χ^2/NDF: 120987.9/46

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 961.779+/-0.294 χ^2/NDF:35859.5/6

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: 959.789+/-0.218 χ^2/NDF: 70438.4/11

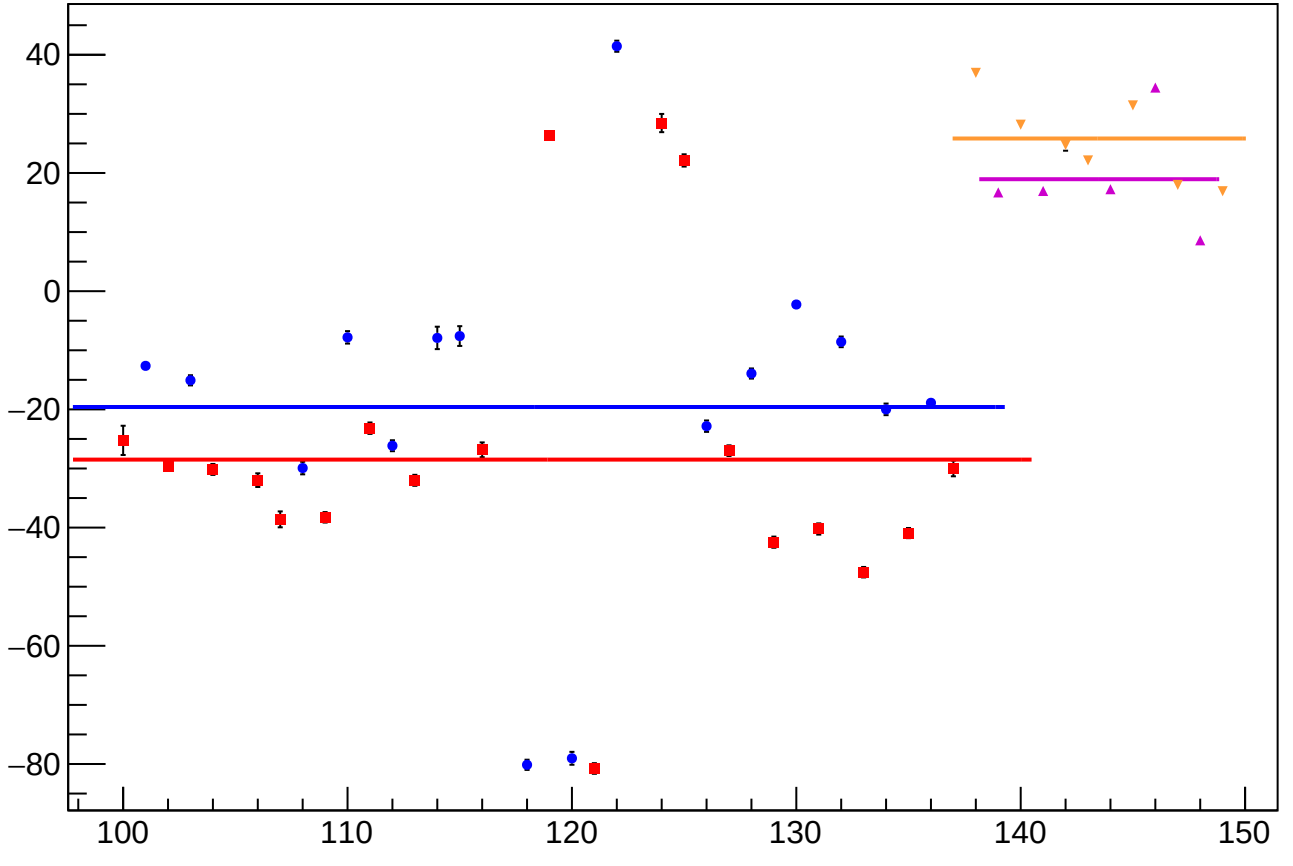
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 944.541+/-0.197 χ^2/NDF:141609.7/20

Out: 949.637+/-0.188 χ^2/NDF:139756.1/25

All: 947.206+/-0.136 χ^2/NDF: 281717.3/46

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 25.834+/-0.284 χ^2/NDF:581.0/6

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: 22.782+/-0.212 χ^2/NDF: 1500.8/11

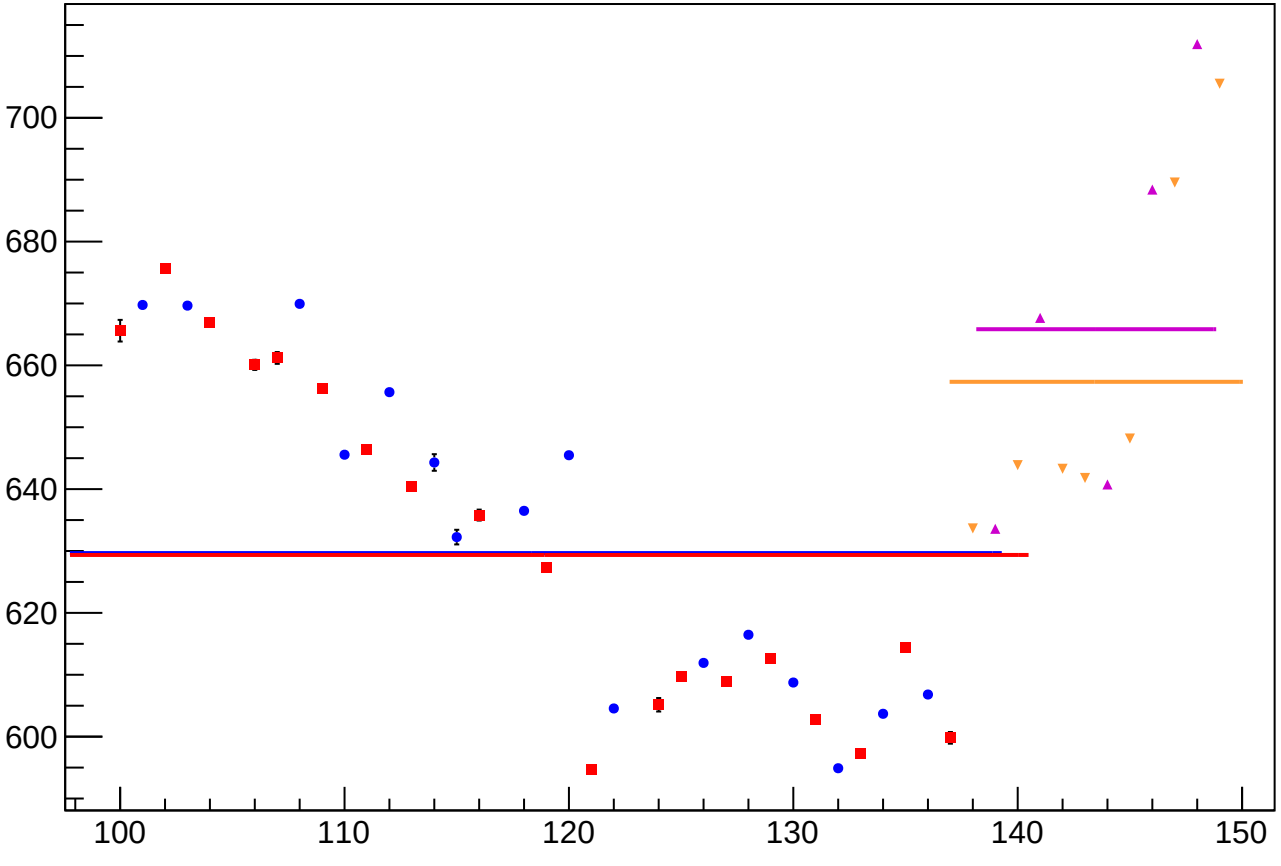
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -6.089+/-0.189 χ^2/NDF:23333.4/20

Out: -7.037+/-0.179 χ^2/NDF:35654.0/25

All: -6.589+/-0.130 χ^2/NDF: 59000.7/46

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 657.341+/-0.201 χ^2/NDF:16024.1/6

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 665.840+/-0.225 χ^2/NDF:16143.1/4

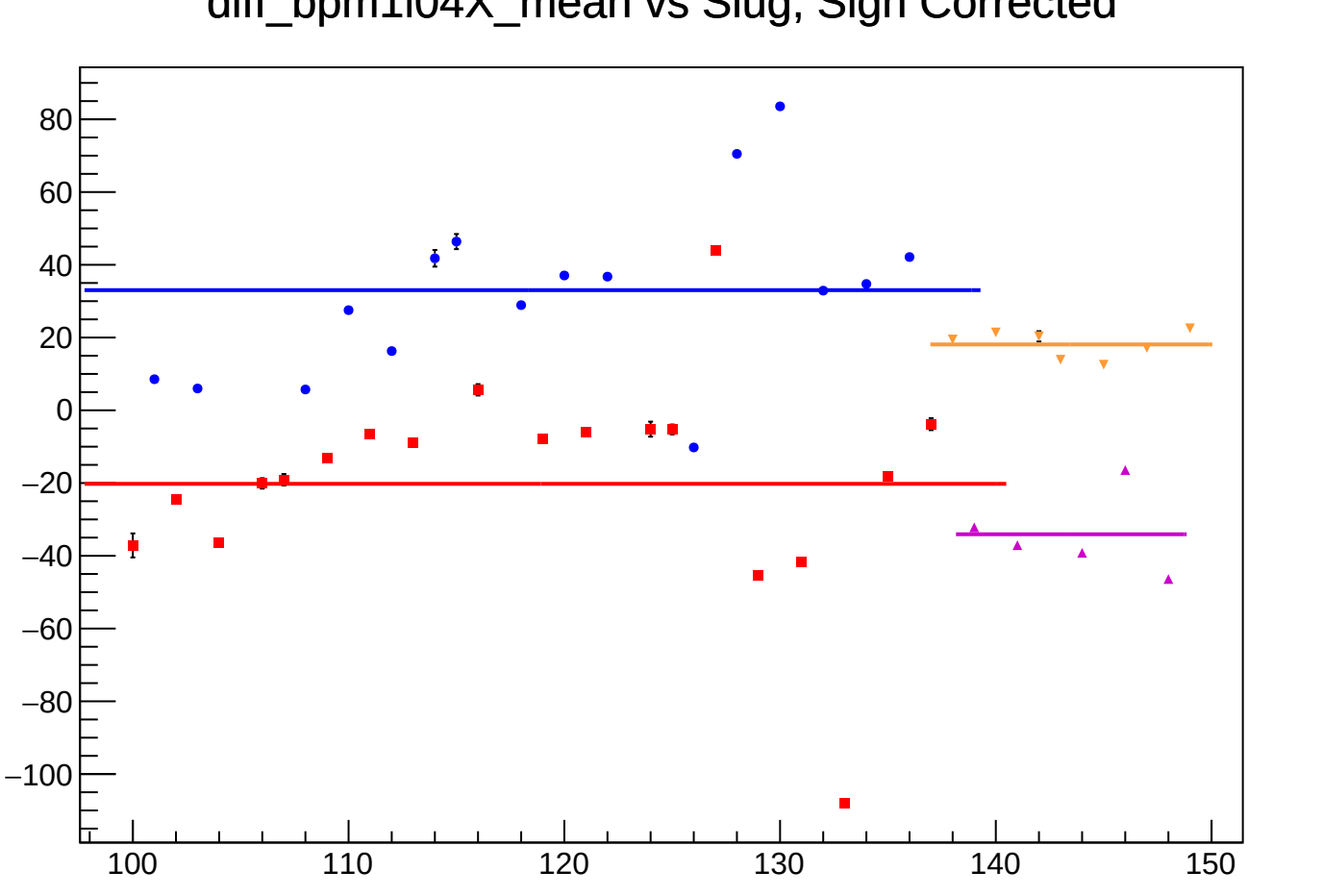
Left: 661.107+/-0.150 χ^2/NDF: 32959.5/11

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

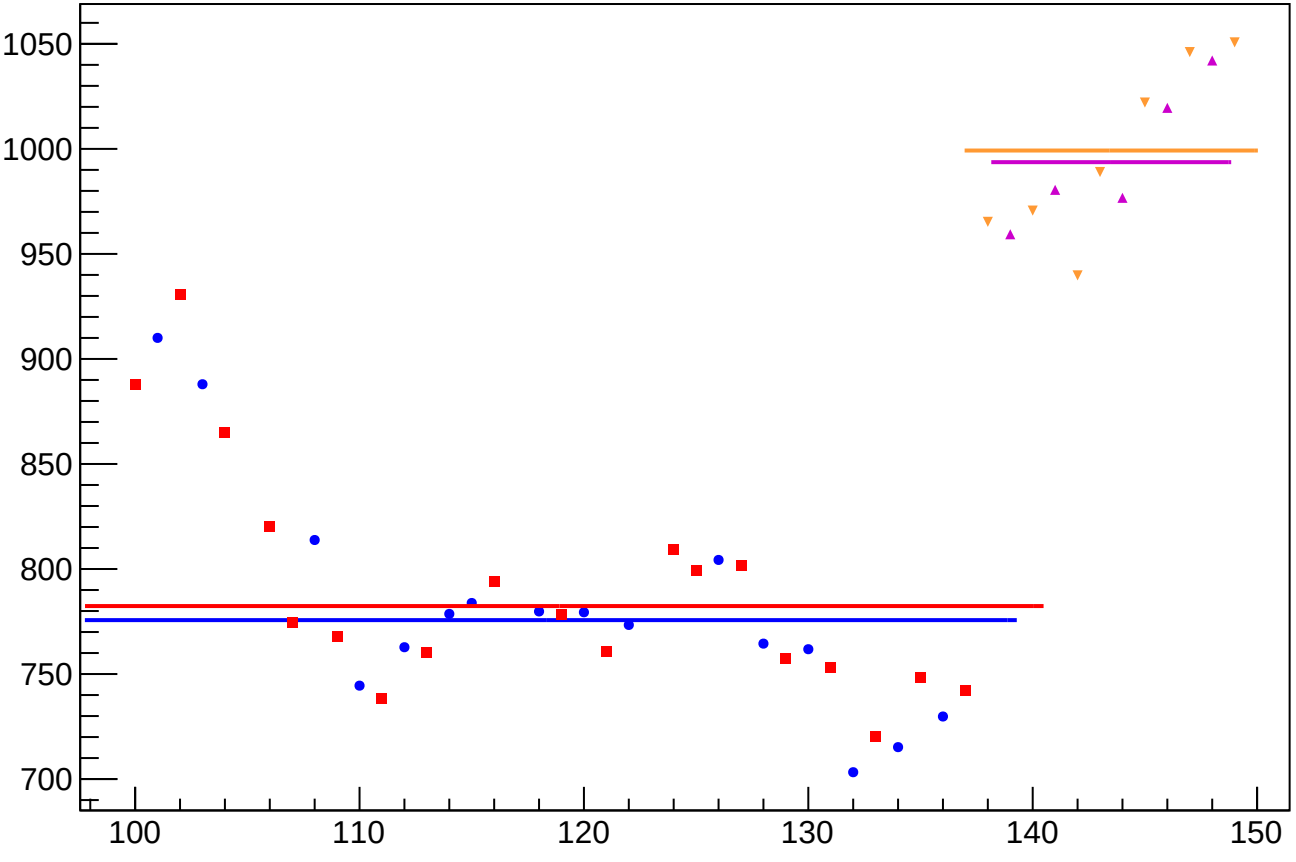
In: 642.340+/-0.133 χ^2/NDF:58206.7/20

Out: 640.413+/-0.126 χ^2/NDF:54539.4/25

All: 641.324+/-0.092 χ^2/NDF: 112856.0/46


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 18.107+/-0.432 χ²/NDF:68.1/6
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -34.076+/-0.476 χ²/NDF:422.7/4
Left: -5.485+/-0.320 χ²/NDF: 7081.5/11
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 14.955+/-0.247 χ²/NDF:21658.0/20
Out: -8.547+/-0.238 χ²/NDF:17406.1/25
All: 2.794+/-0.172 χ²/NDF: 43750.7/46

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 999.224+/-0.306 χ^2/NDF:15231.9/6

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: 996.719+/-0.226 χ^2/NDF: 23171.4/11

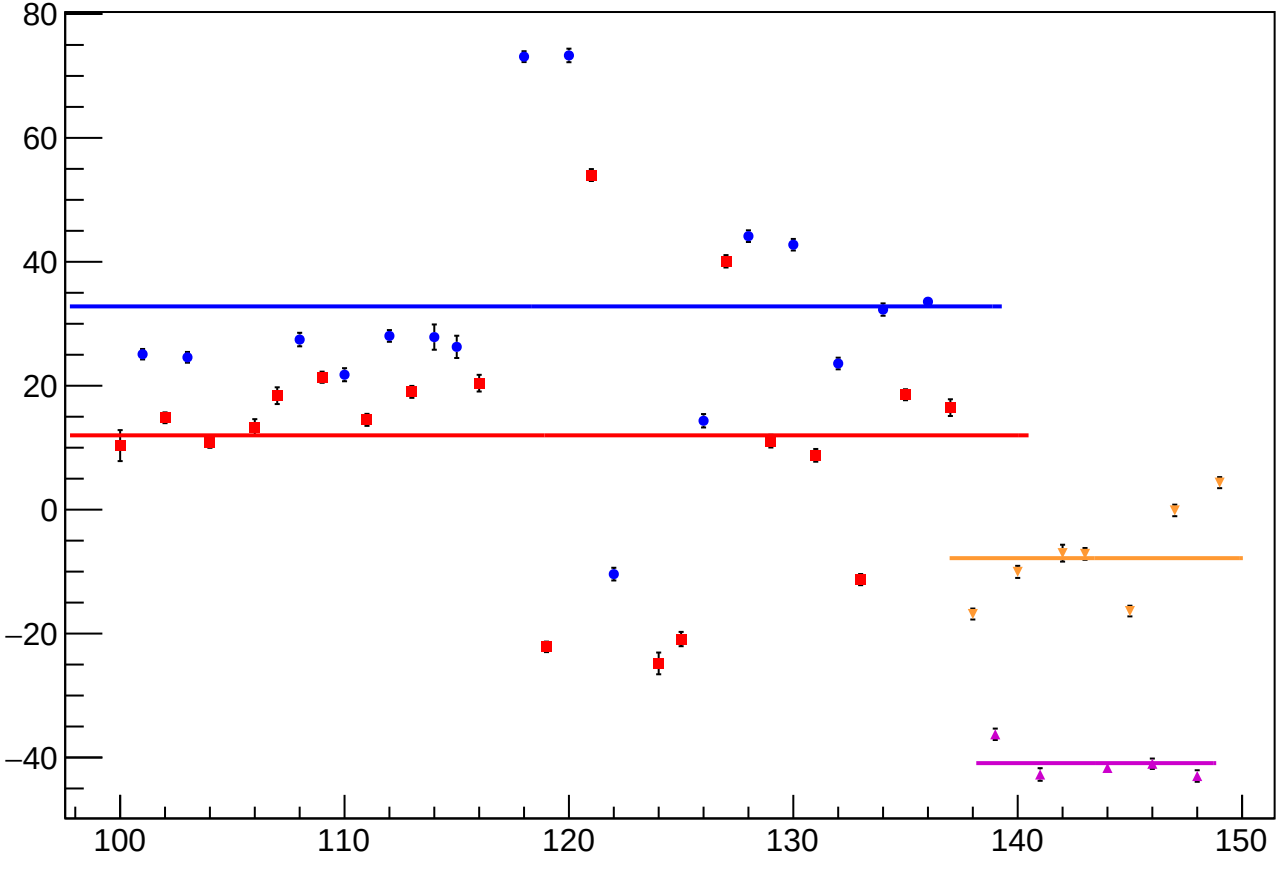
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 834.395+/-0.175 χ^2/NDF:389263.8/20

Out: 848.388+/-0.169 χ^2/NDF:430032.0/25

All: 841.635+/-0.121 χ^2/NDF: 822618.4/46

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.828+/-0.360 χ^2/NDF:462.9/6

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: -22.627+/-0.268 χ^2/NDF: 4277.0/11

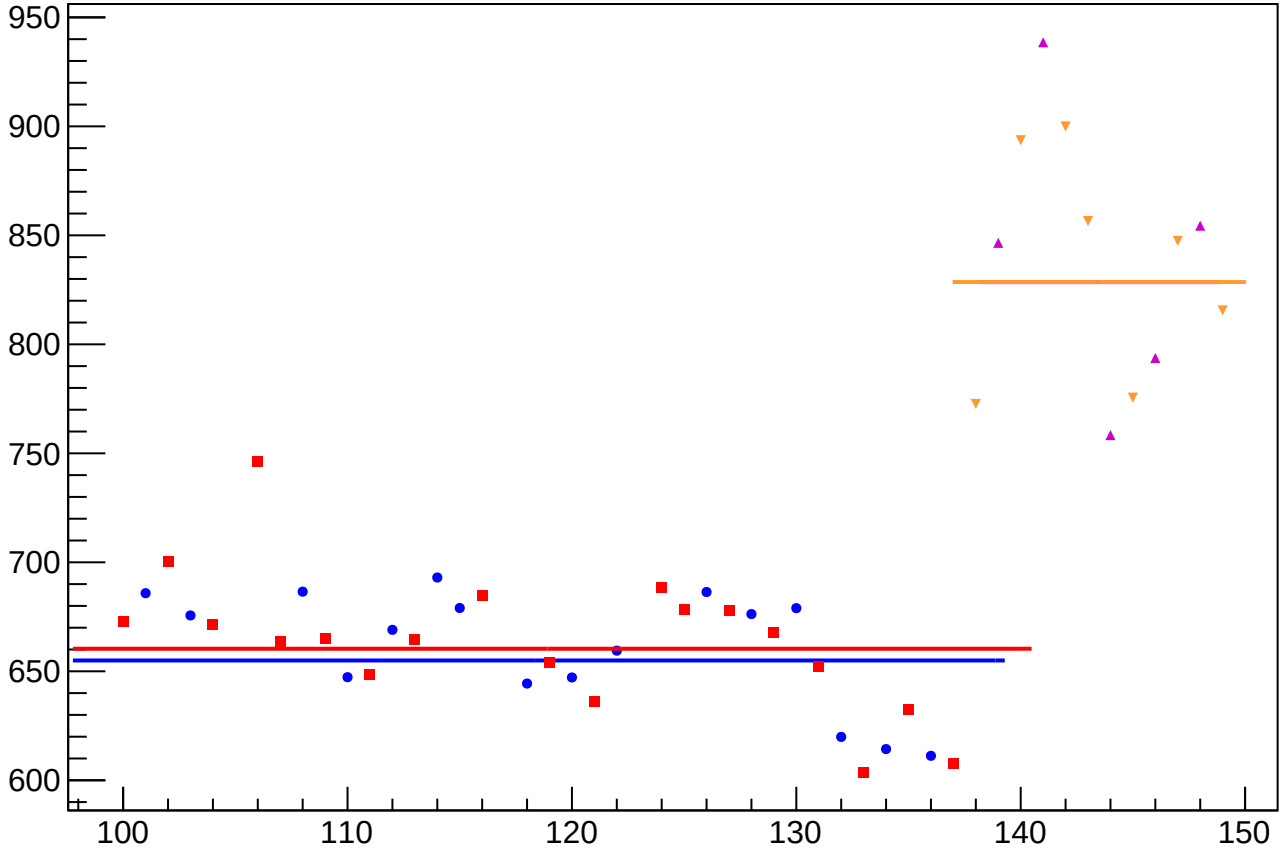
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 12.873+/-0.208 χ^2/NDF:31068.0/20

Out: 5.853+/-0.200 χ^2/NDF:9115.9/25

All: 9.231+/-0.144 χ^2/NDF: 40774.8/46

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 828.586+/-0.255 χ^2/NDF:32927.6/6

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: 828.571+/-0.189 χ^2/NDF: 77100.8/11

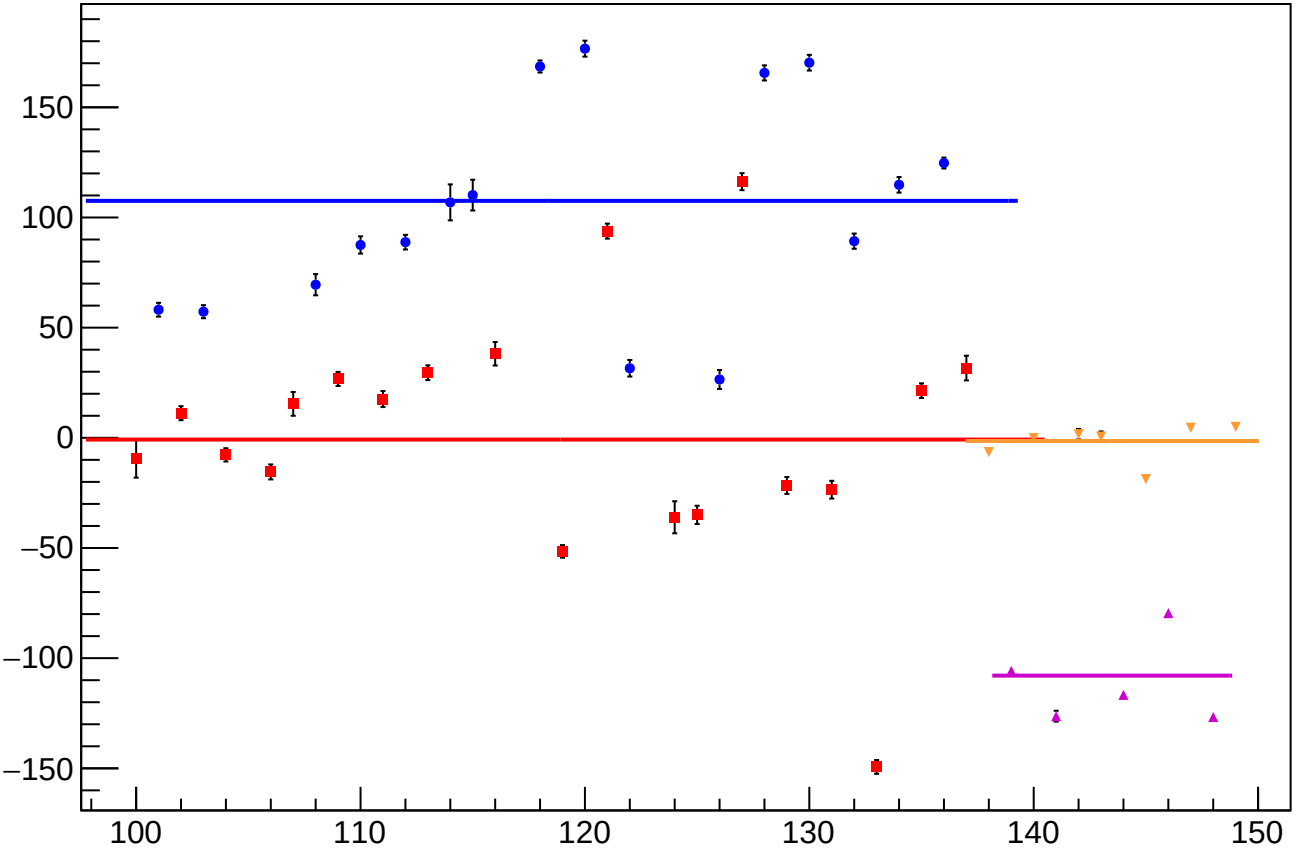
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 701.902+/-0.147 χ^2/NDF:345675.2/20

Out: 712.469+/-0.142 χ^2/NDF:364929.6/25

All: 707.385+/-0.102 χ^2/NDF: 713282.7/46

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -1.444+/-0.763 χ^2/NDF:112.0/6

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: -48.986+/-0.567 χ^2/NDF: 9299.6/11

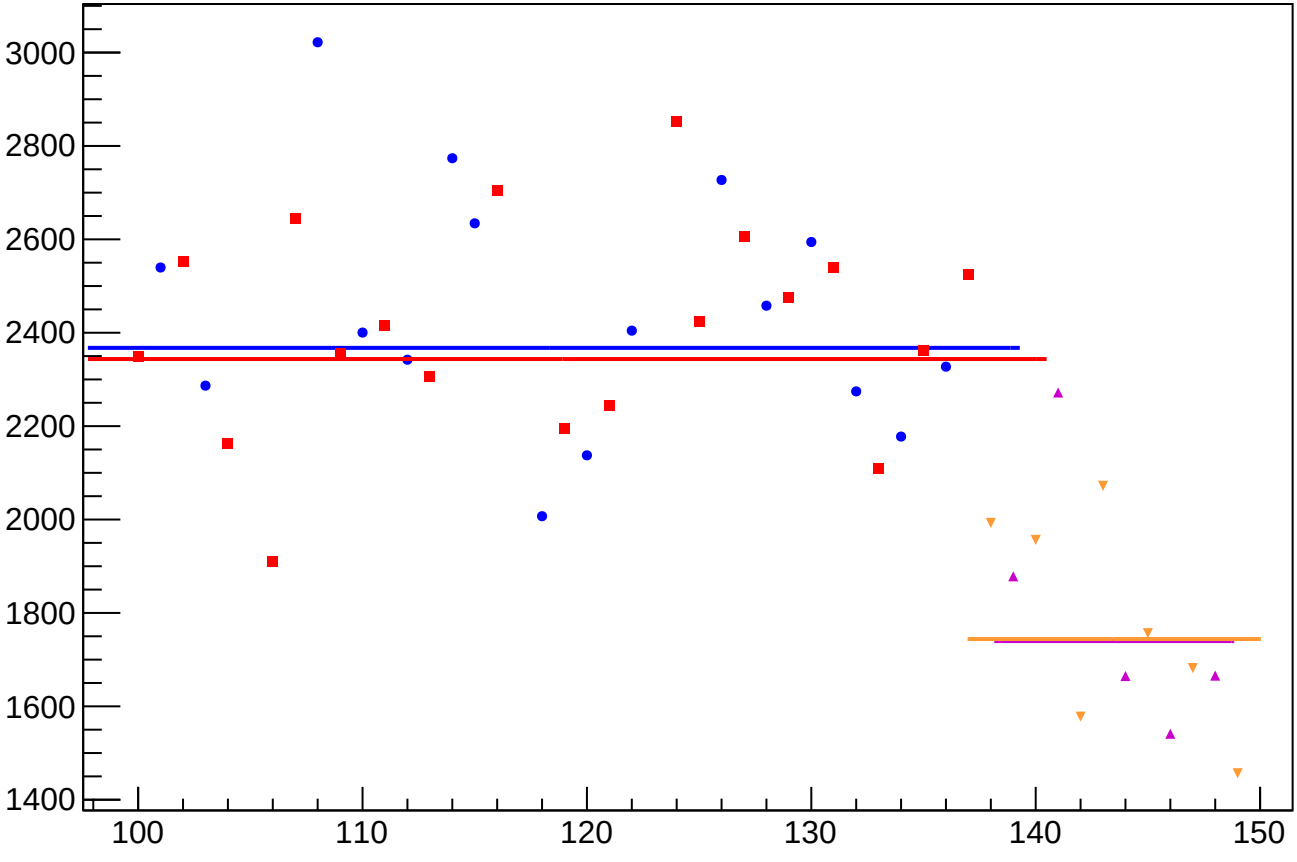
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -4.665+/-0.613 χ^2/NDF:34289.7/20

Out: -1.155+/-0.571 χ^2/NDF:4876.2/25

All: -2.786+/-0.418 χ^2/NDF: 39183.5/46

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1744.117+/-0.539 χ^2/NDF:161090.7/6

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: 1742.154+/-0.401 χ^2/NDF: 299826.2/11

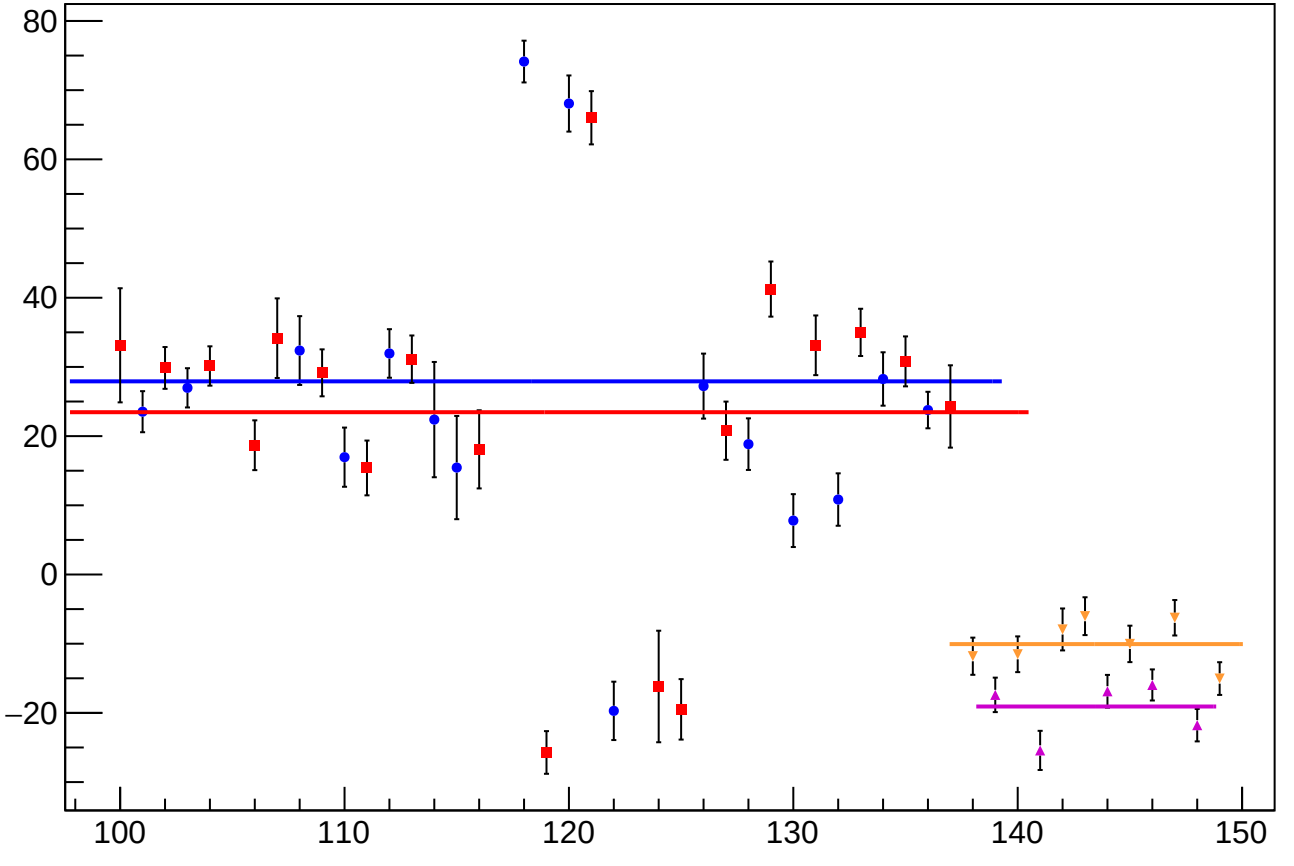
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2040.626+/-0.433 χ^2/NDF:789393.9/20

Out: 2007.834+/-0.404 χ^2/NDF:816901.0/25

All: 2023.068+/-0.295 χ^2/NDF: 1609360.4/46

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.057+/-0.997 χ^2/NDF:10.1/6

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: -14.173+/-0.735 χ^2/NDF: 57.0/11

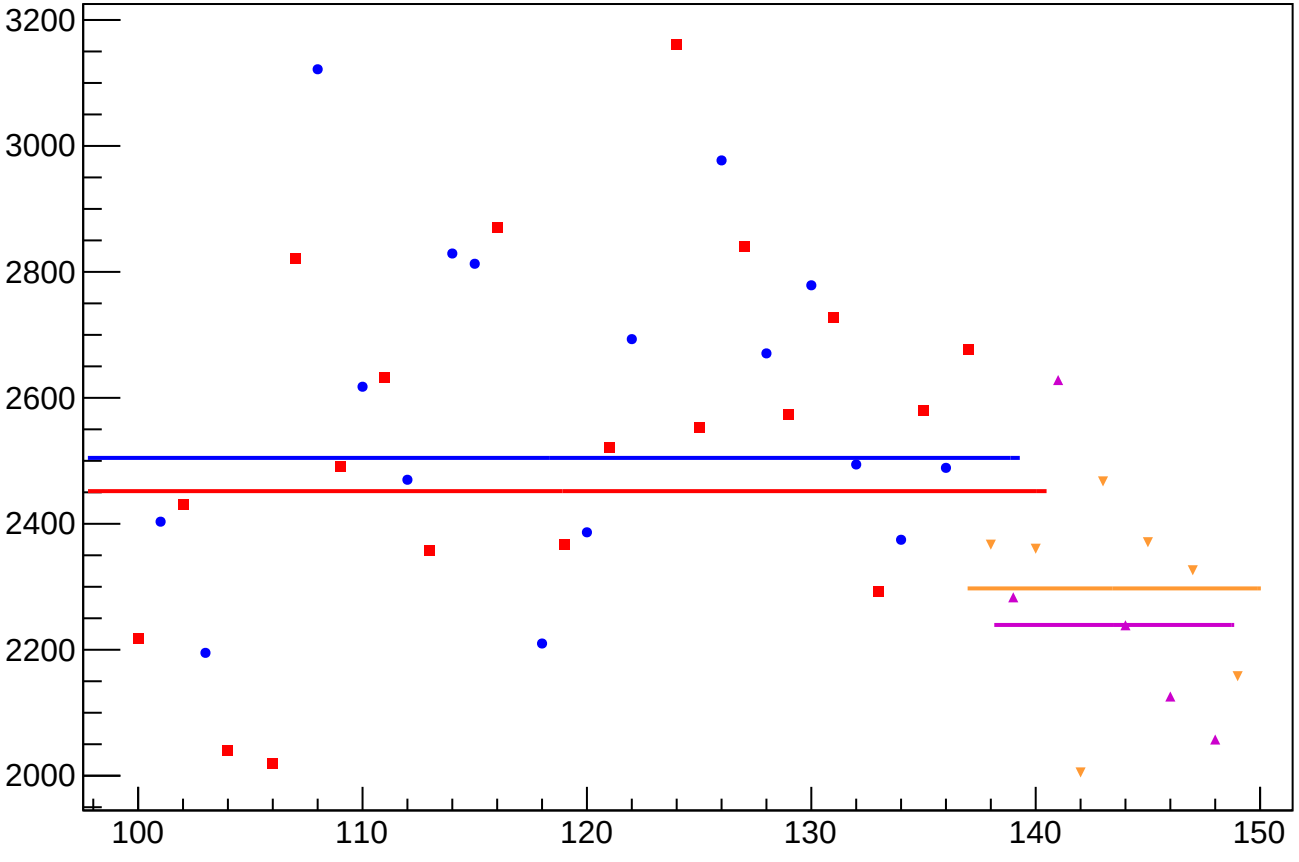
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 7.910+/-0.710 χ^2/NDF:1611.6/20

Out: 8.355+/-0.669 χ^2/NDF:1199.2/25

All: 8.146+/-0.487 χ^2/NDF: 2811.0/46

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2297.417+/-0.705 χ^2/NDF:37605.3/6

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2239.414+/-0.769 χ^2/NDF:55550.1/4

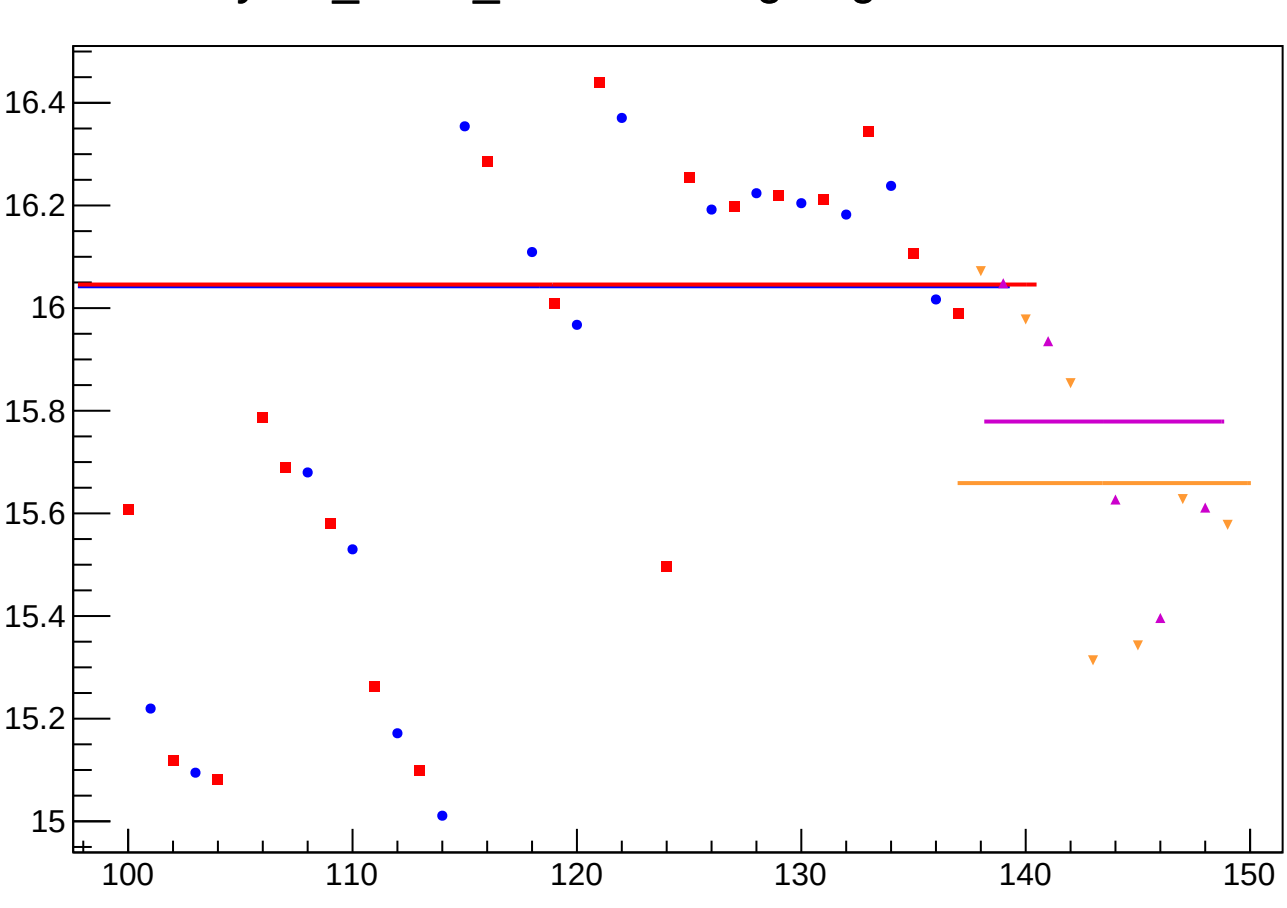
Left: 2270.952+/-0.520 χ^2/NDF: 96246.1/11

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2391.736+/-0.502 χ^2/NDF:250410.4/20

Out: 2382.278+/-0.473 χ^2/NDF:217234.0/25

All: 2386.727+/-0.344 χ^2/NDF: 467832.4/46



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.659+/-0.000 χ^2/NDF:4293052911.3/6

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: 15.707+/-0.000 χ^2/NDF: 6103517040.0/11

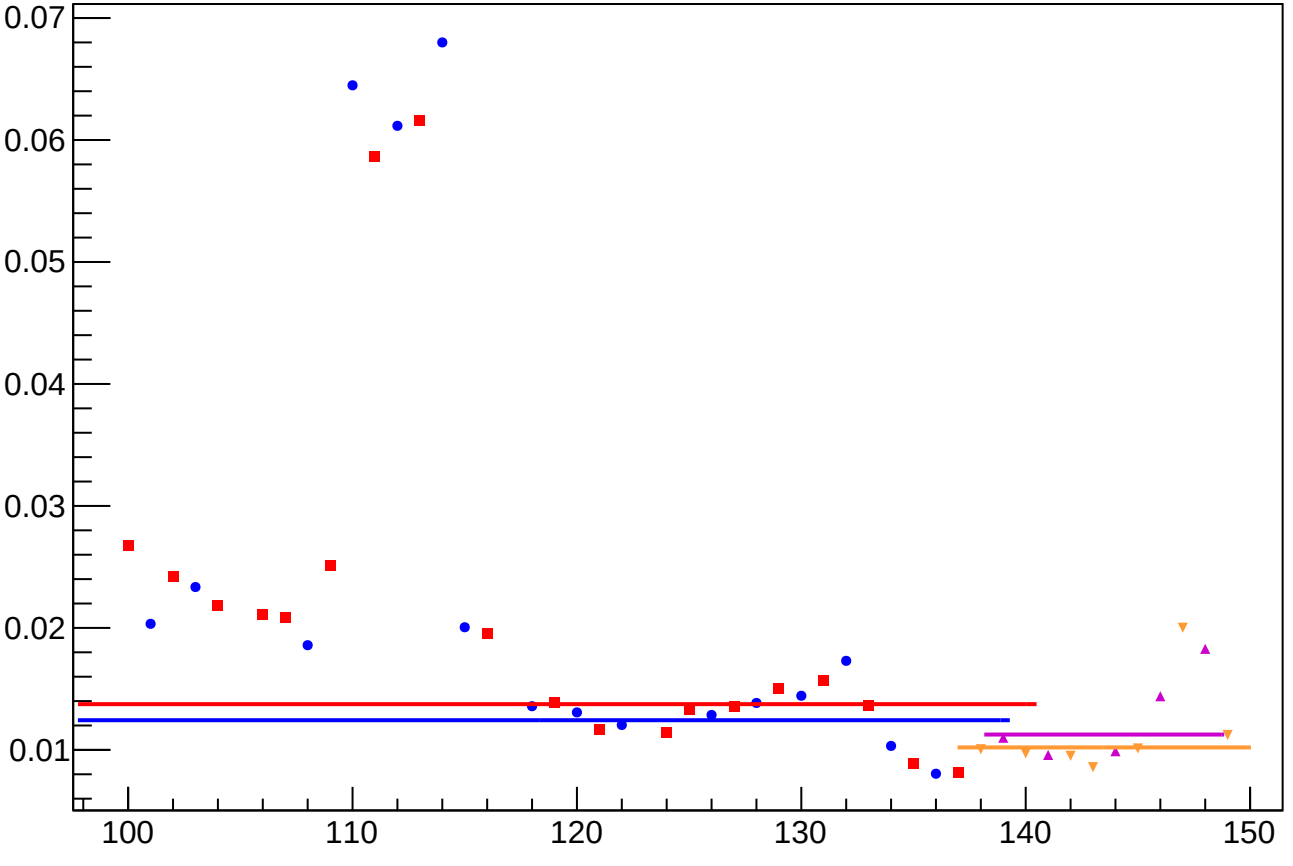
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.921+/-0.000 χ^2/NDF:5530434724.8/20

Out: 15.811+/-0.000 χ^2/NDF:10582181586.2/25

All: 15.862+/-0.000 χ^2/NDF: 16540481931.0

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:461351.7/6

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: 896629.3/11

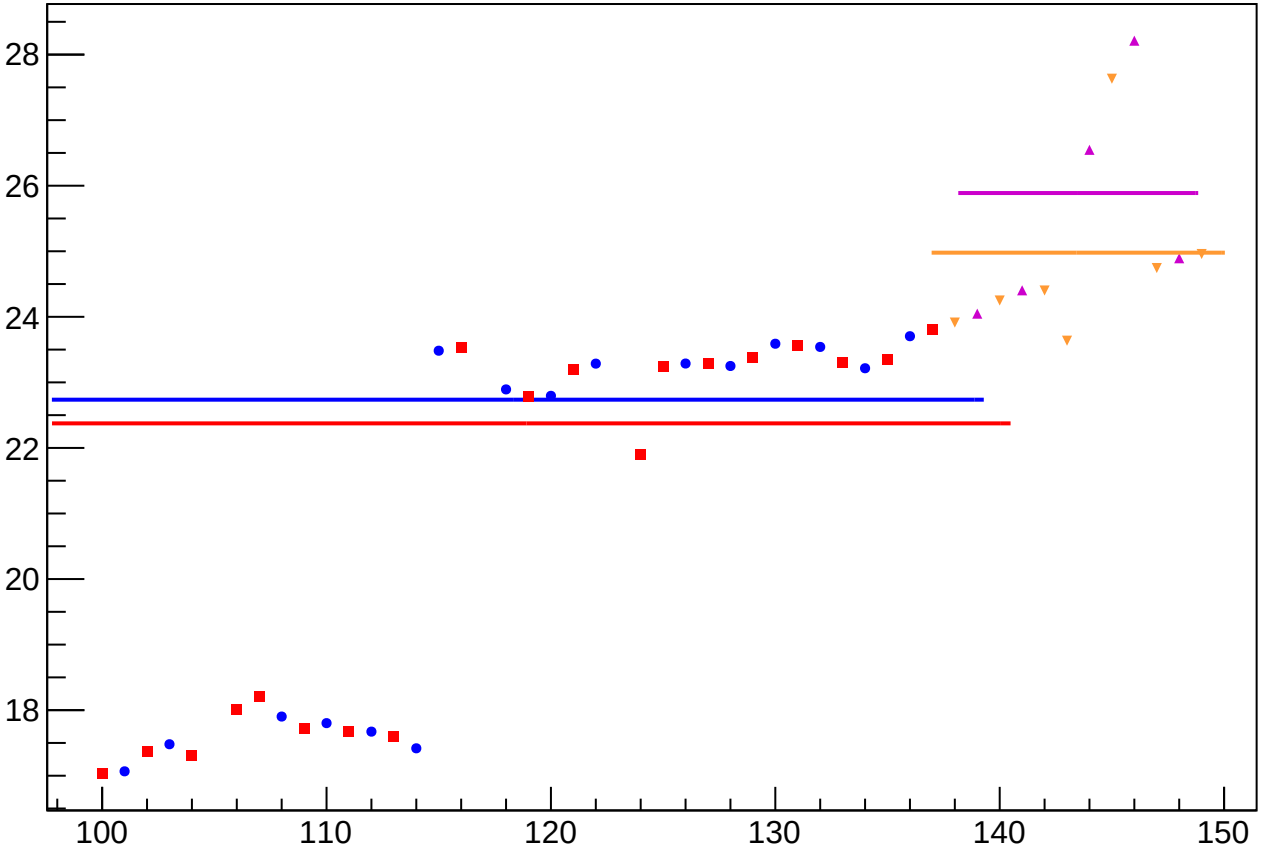
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2756383.4/20

Out: 0.012+/-0.000 χ^2/NDF:3152157.3/25

All: 0.012+/-0.000 χ^2/NDF: 5914693.6/46

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.979+/-0.000 χ^2/NDF:760085102.9/6

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.888+/-0.000 χ^2/NDF:565815607.5/4

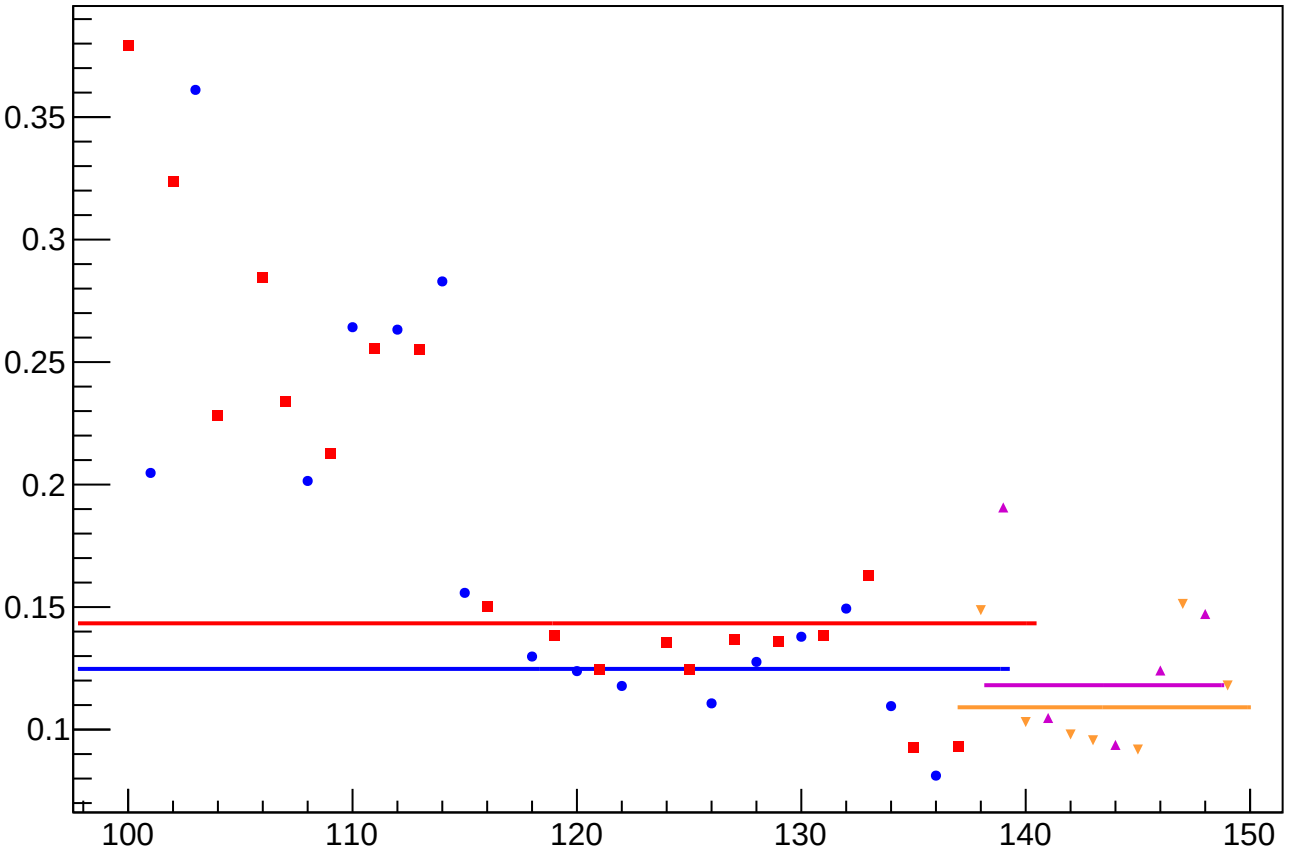
Left: 25.356+/-0.000 χ^2/NDF: 1451487341.7/11

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.092+/-0.000 χ^2/NDF:3255005300.4/20

Out: 23.851+/-0.000 χ^2/NDF:3050369063.1/25

All: 23.967+/-0.000 χ^2/NDF: 6323469268.2/4



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.109+/-0.000 χ^2/NDF:310407.6/6

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: 0.113+/-0.000 χ^2/NDF: 765048.0/11

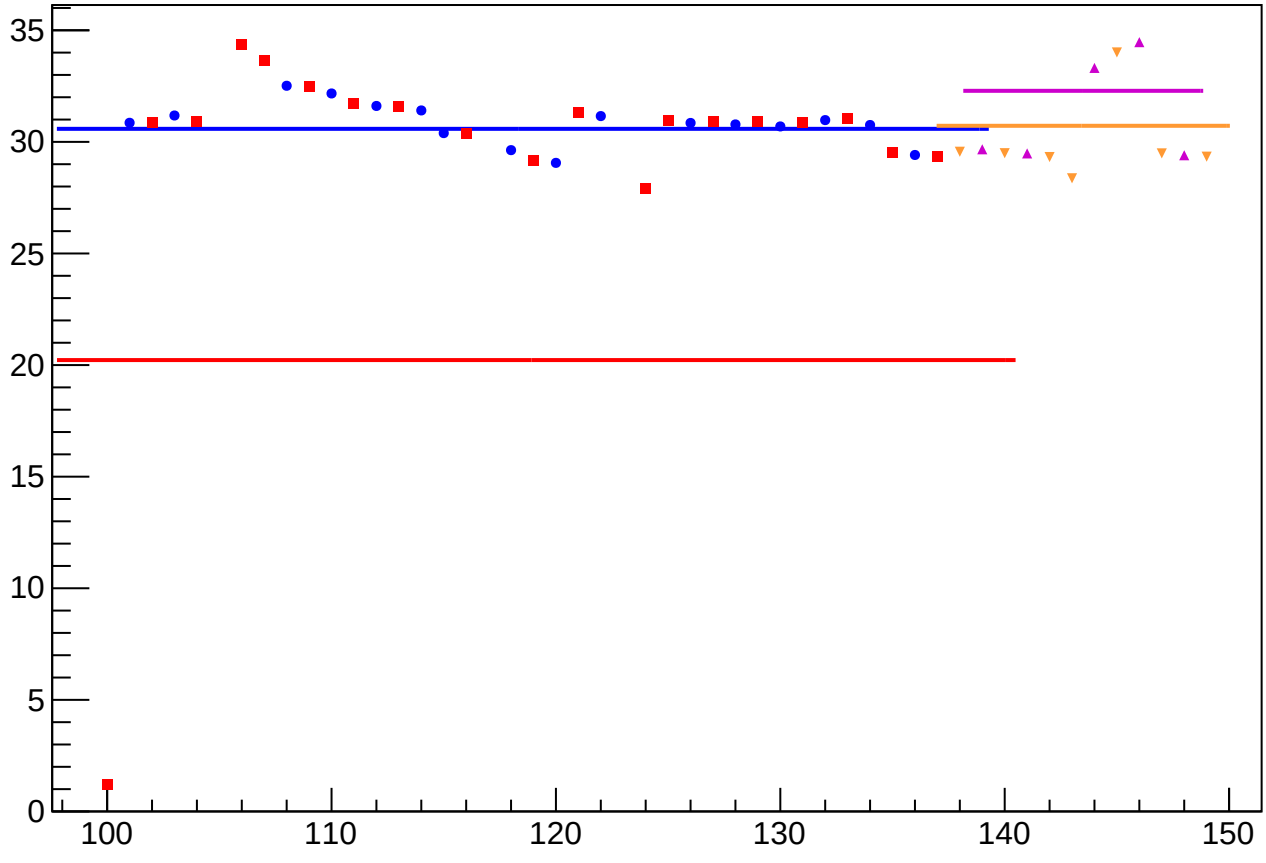
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2192867.1/20

Out: 0.124+/-0.000 χ^2/NDF:2252830.0/25

All: 0.123+/-0.000 χ^2/NDF: 4448279.0/46

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.721+/-0.000 χ^2/NDF:4537566439.7/6

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: 31.468+/-0.000 χ^2/NDF: 9316353484.6/11

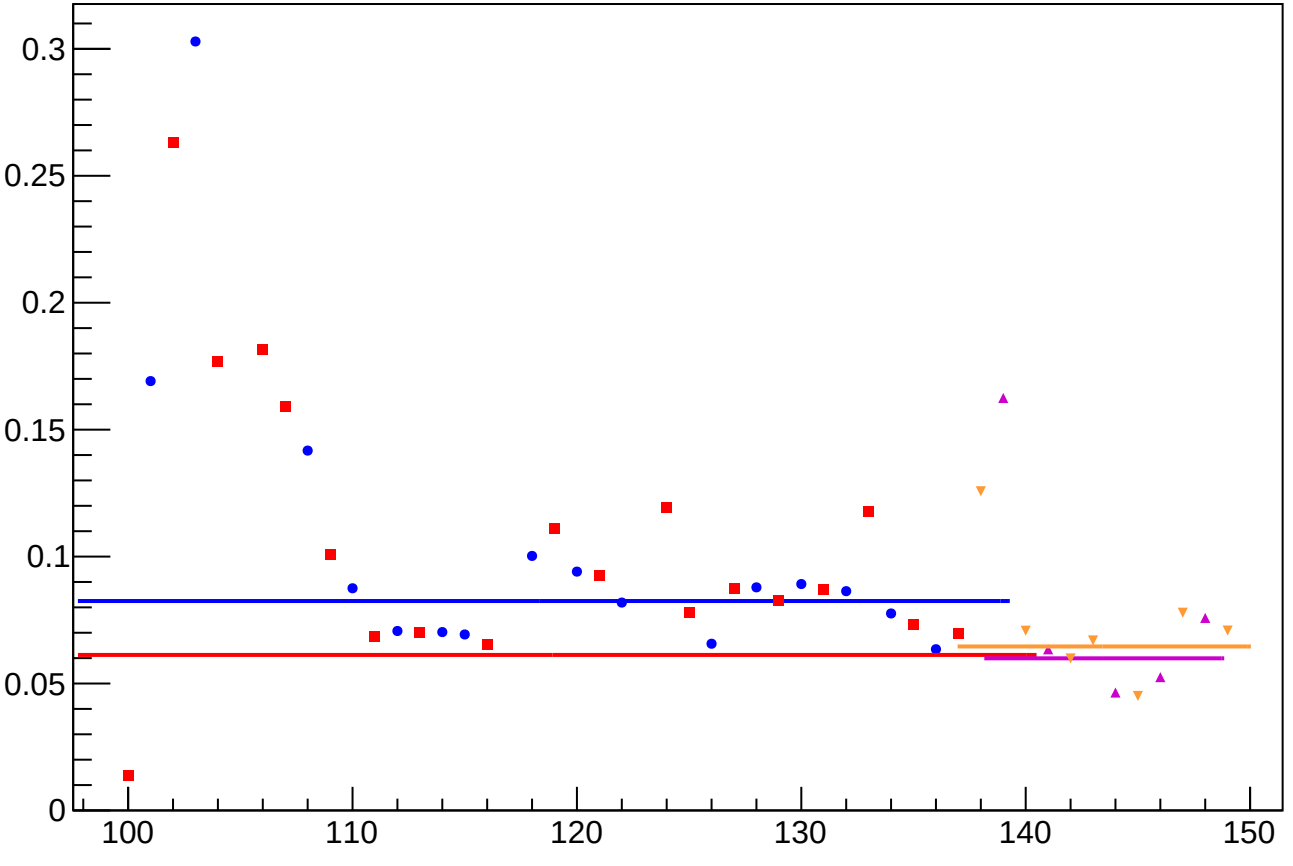
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.456+/-0.000 χ^2/NDF:5539152912.8/20

Out: 24.942+/-0.000 χ^2/NDF:279691528299.2/25

All: 27.840+/-0.000 χ^2/NDF: 322542728060.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:584366.8/6

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: 1453801.5/11

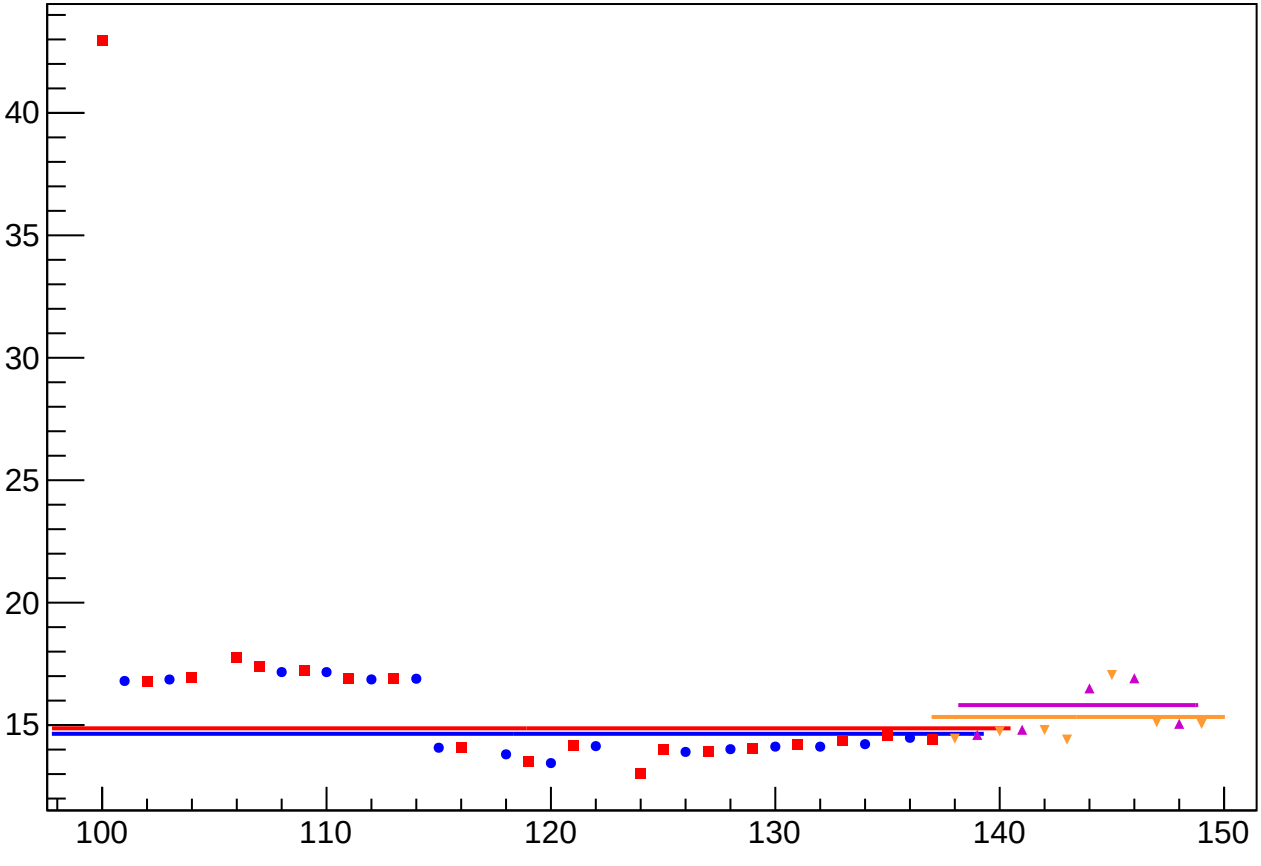
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2515939.2/20

Out: 0.063+/-0.000 χ^2/NDF:4609536.9/25

All: 0.066+/-0.000 χ^2/NDF: 7243387.7/46

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.332+/-0.000 χ^2/NDF:917158739.6/6

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: 15.535+/-0.000 χ^2/NDF: 1577612073.2/11

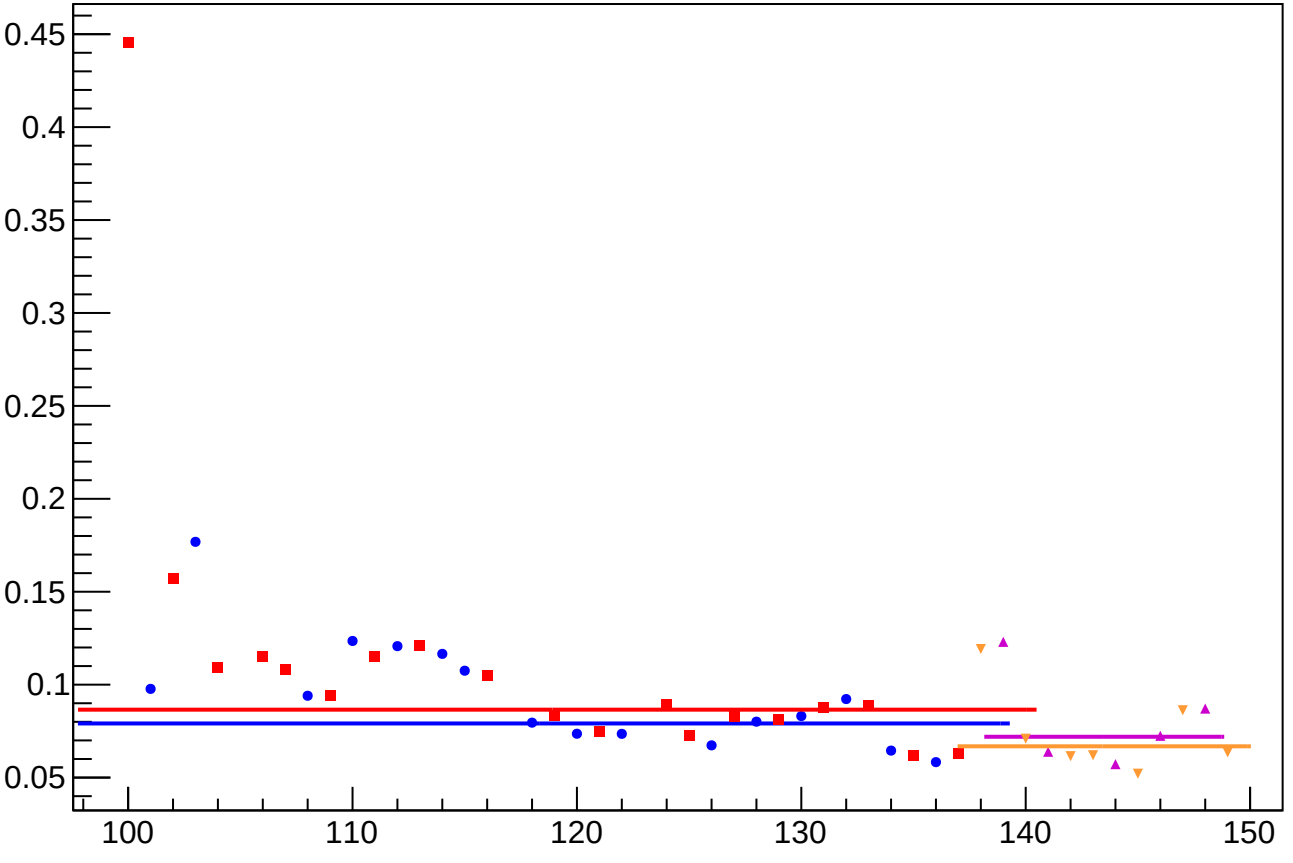
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.131+/-0.000 χ^2/NDF:2298764814.4/20

Out: 15.114+/-0.000 χ^2/NDF:2740737504.0/25

All: 15.122+/-0.000 χ^2/NDF: 5039743210.8/4

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.067+/-0.000 χ^2/NDF:470491.9/6

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: 0.069+/-0.000 χ^2/NDF: 930730.5/11

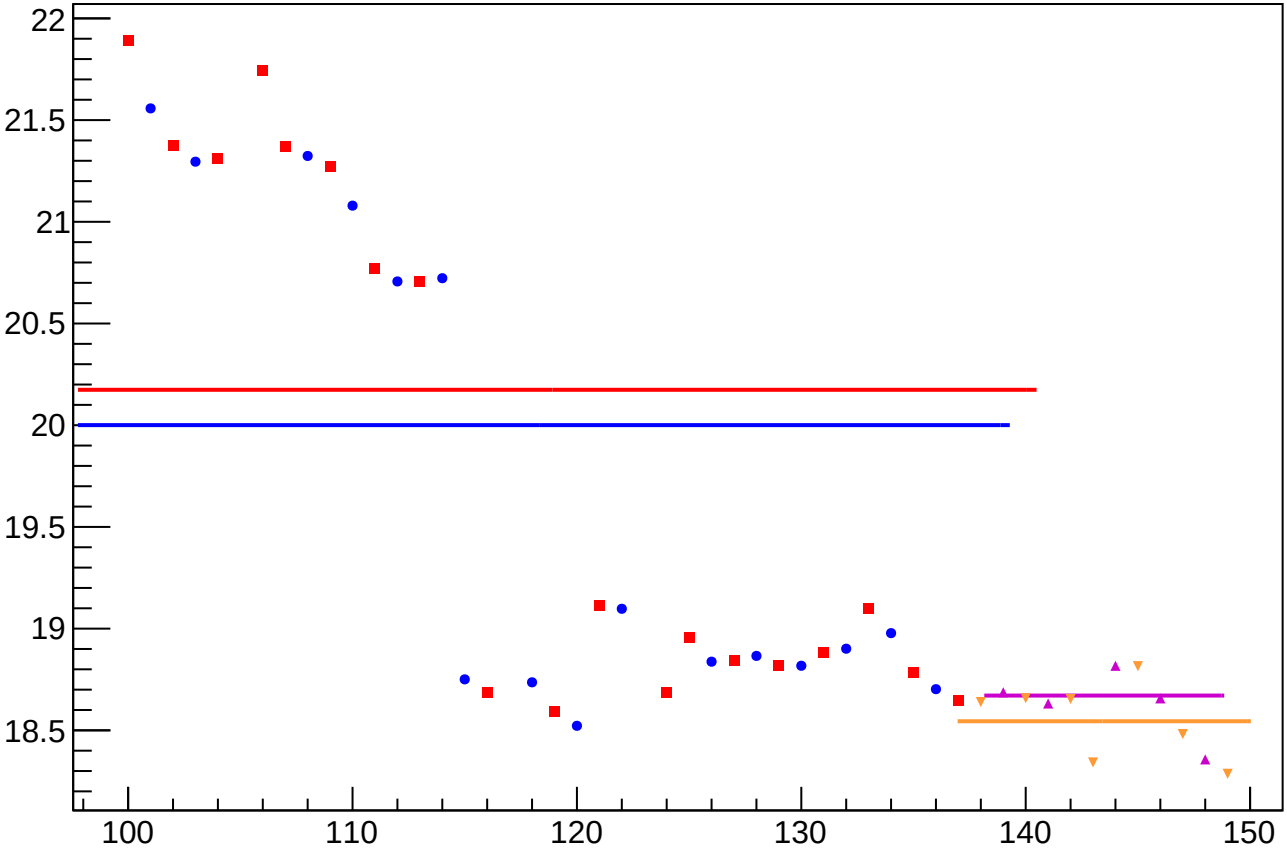
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.076+/-0.000 χ^2/NDF:1397885.2/20

Out: 0.076+/-0.000 χ^2/NDF:1601604.0/25

All: 0.076+/-0.000 χ^2/NDF: 2999493.7/46

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.545+/-0.000 χ^2/NDF:187615328.0/6

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: 18.596+/-0.000 χ^2/NDF: 271723652.5/11

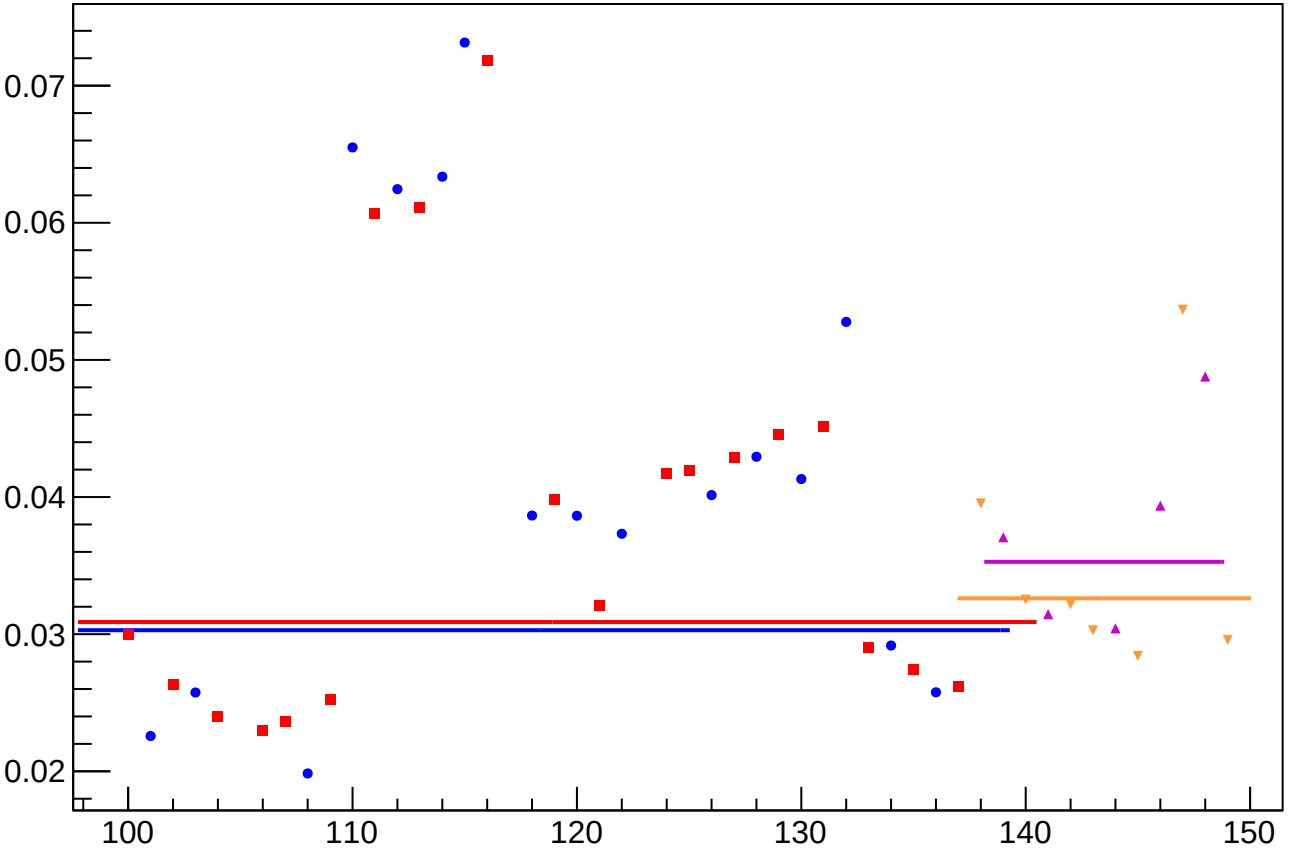
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.561+/-0.000 χ^2/NDF:14734633916.1/20

Out: 19.496+/-0.000 χ^2/NDF:17819438162.3/25

All: 19.526+/-0.000 χ^2/NDF: 32575787994.8

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:352623.9/6

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: 589820.9/11

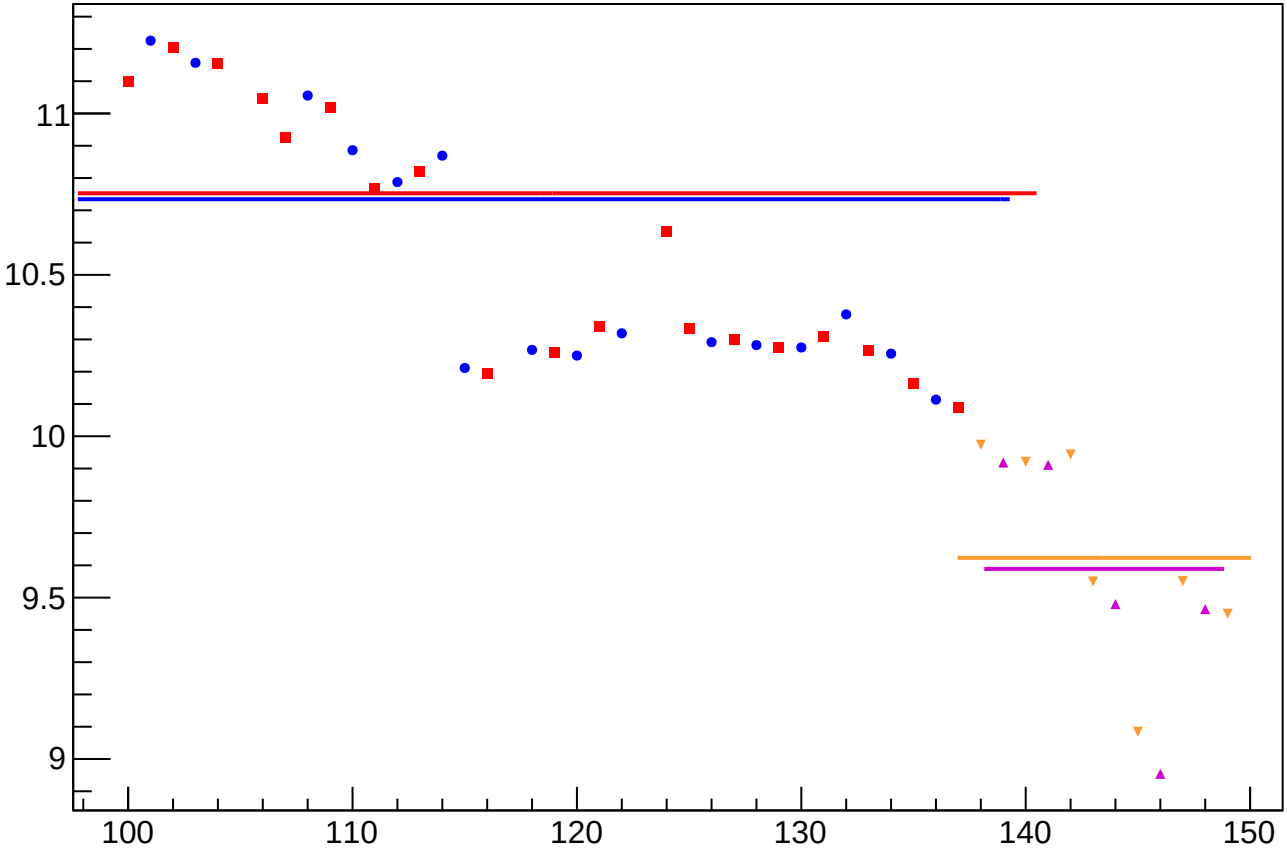
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1764621.5/20

Out: 0.032+/-0.000 χ^2/NDF:1573609.1/25

All: 0.032+/-0.000 χ^2/NDF: 3339383.0/46

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.623+/-0.000 χ^2/NDF:1136690741.5/6

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: 9.610+/-0.000 χ^2/NDF: 2051264290.7/11

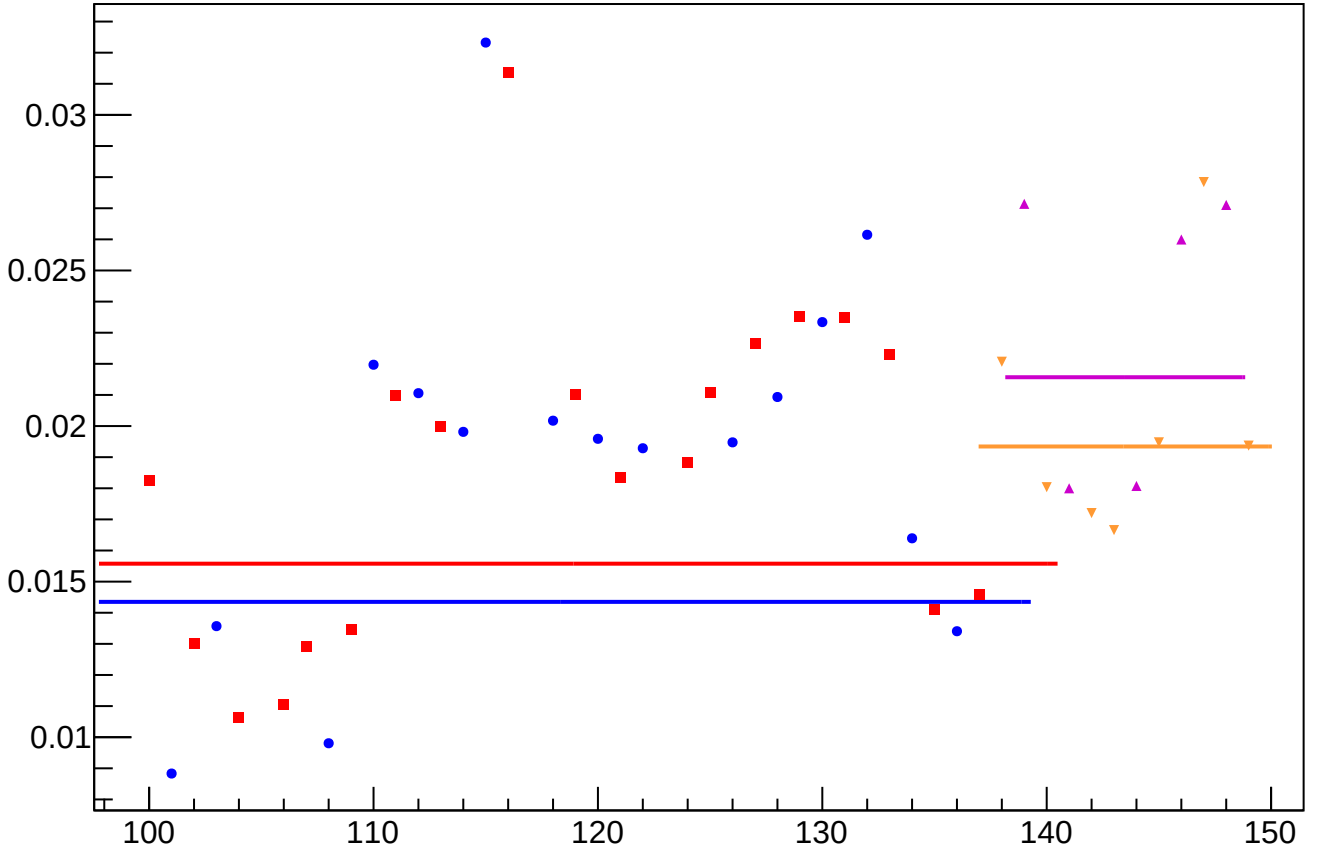
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.468+/-0.000 χ^2/NDF:15199933135.0/20

Out: 10.378+/-0.000 χ^2/NDF:16267432431.7/25

All: 10.422+/-0.000 χ^2/NDF: 31617253190.1

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:227323.4/6

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: 583144.4/11

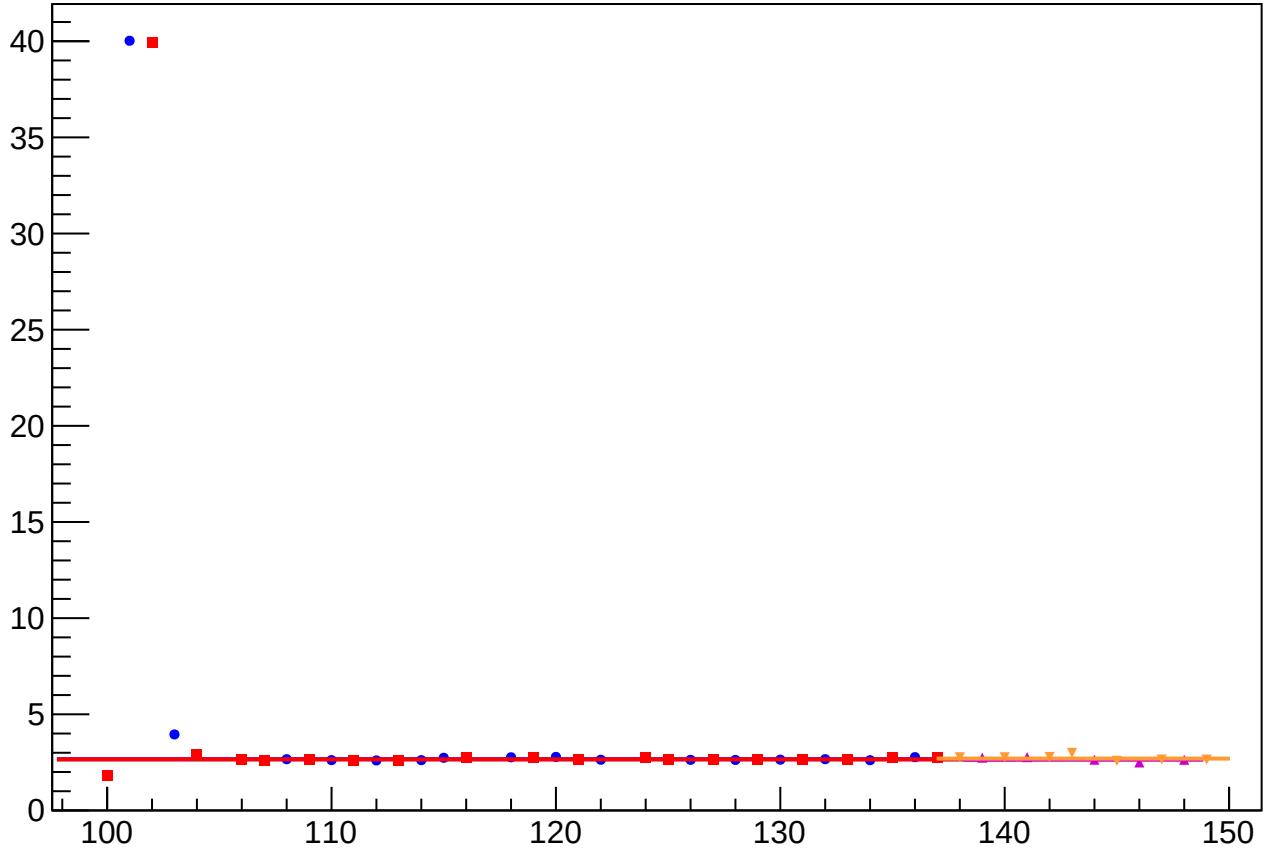
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2456010.9/20

Out: 0.017+/-0.000 χ^2/NDF:1539139.3/25

All: 0.016+/-0.000 χ^2/NDF: 4018815.9/46

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.697+/-0.000 χ^2/NDF:14649497926.5/6

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: 2.669+/-0.000 χ^2/NDF: 23412671070.5/11

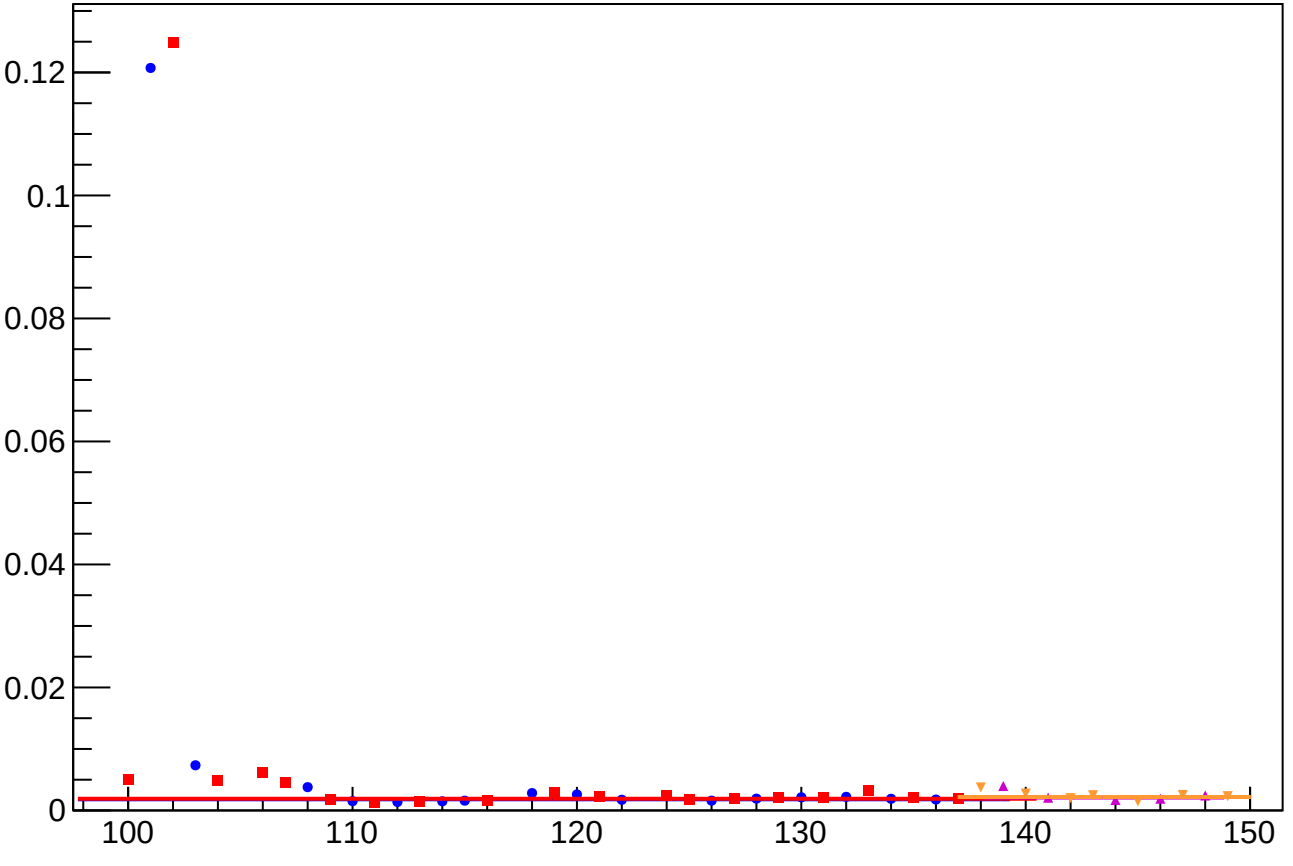
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.655+/-0.000 χ^2/NDF:75507159369.8/20

Out: 2.672+/-0.000 χ^2/NDF:80589429175.4/25

All: 2.663+/-0.000 χ^2/NDF: 156426935297.8

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:618315.2/6

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: 1096944.8/11

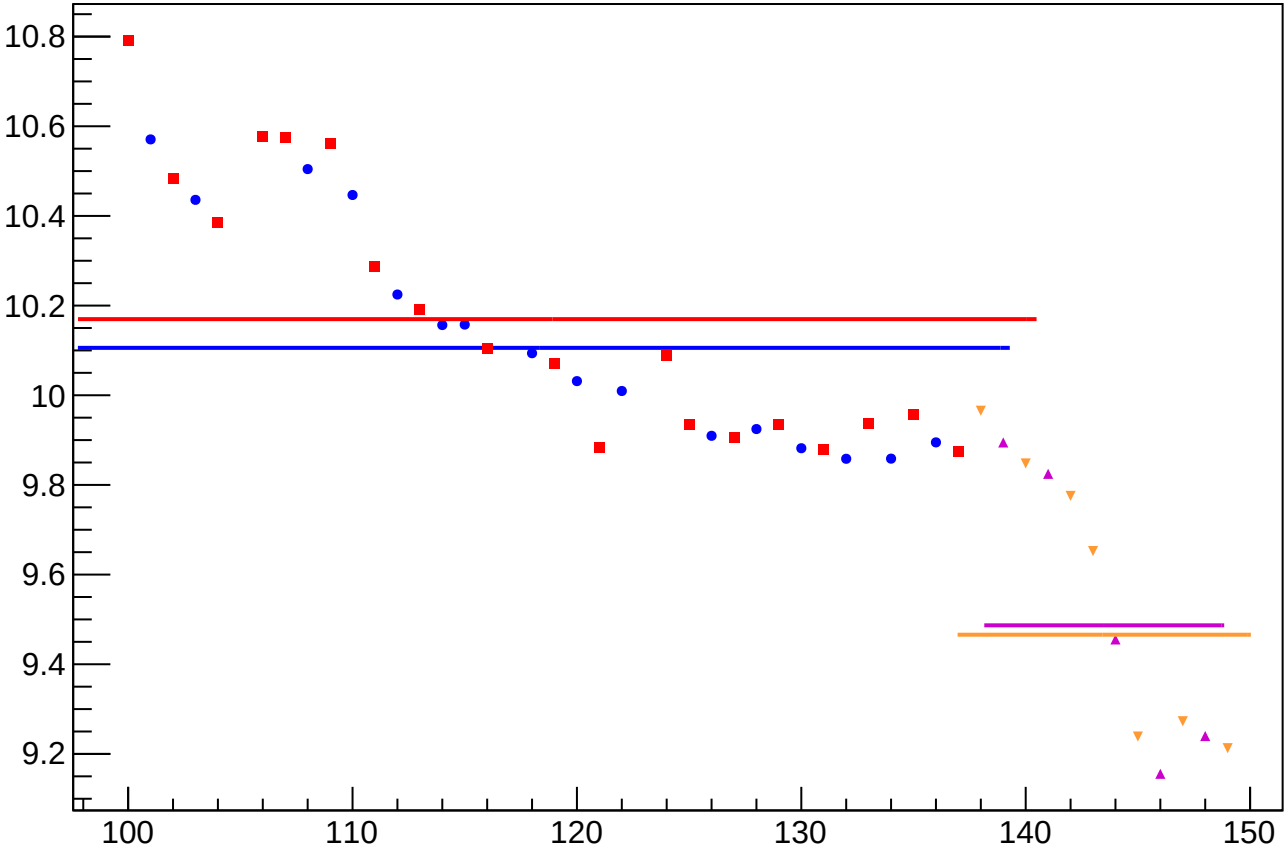
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2374471.1/20

Out: 0.002+/-0.000 χ^2/NDF:3230377.1/25

All: 0.002+/-0.000 χ^2/NDF: 5625030.2/46

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.466+/-0.000 χ^2/NDF:7391626597.6/6

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: 9.475+/-0.000 χ^2/NDF: 12989519019.0/11

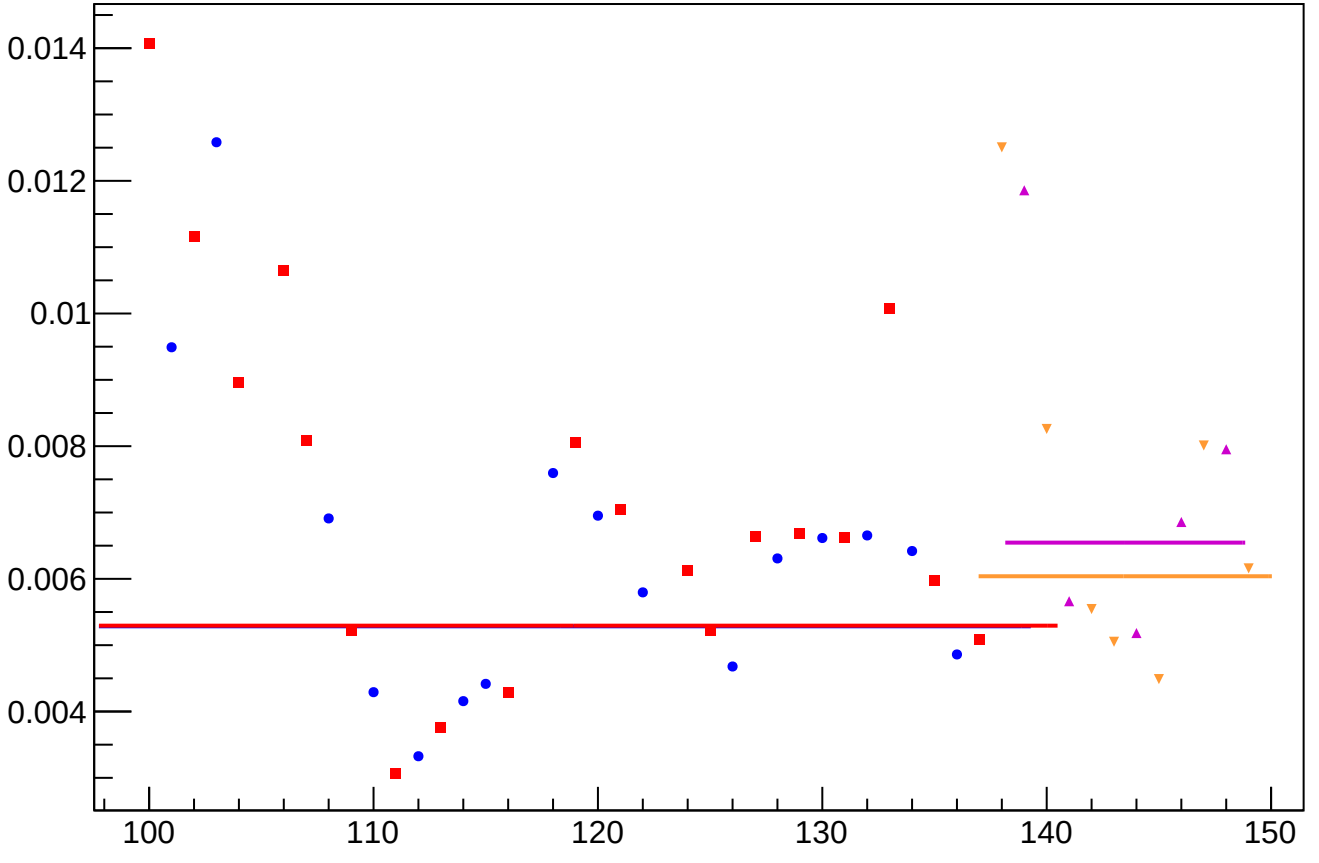
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.930+/-0.000 χ^2/NDF:35752073028.9/20

Out: 9.922+/-0.000 χ^2/NDF:50906585586.4/25

All: 9.926+/-0.000 χ^2/NDF: 86668378349.2/4

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:741308.1/6

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: 1249790.2/11

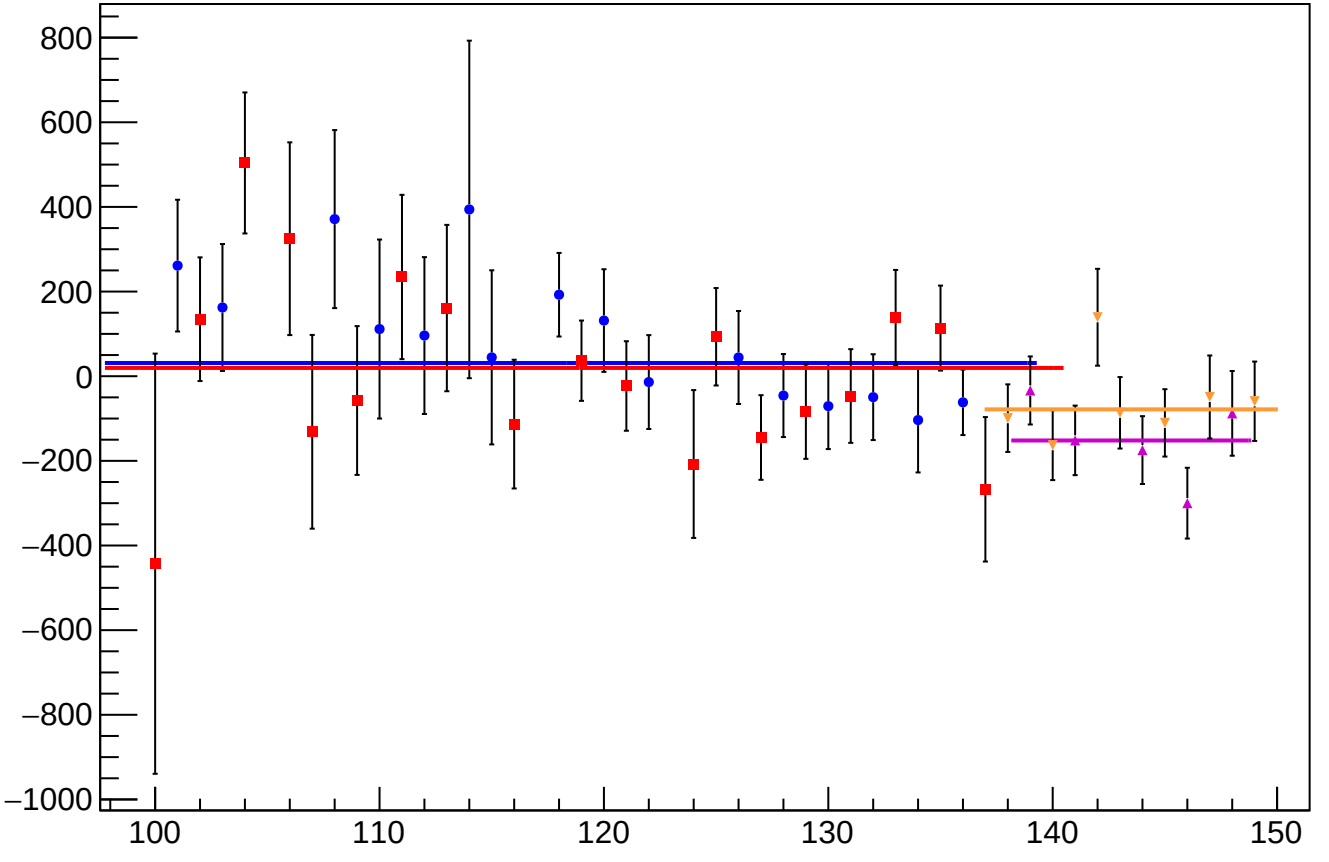
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1934498.5/20

Out: 0.006+/-0.000 χ^2/NDF:2610581.3/25

All: 0.006+/-0.000 χ^2/NDF: 4547207.6/46

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.336+/-33.410 χ^2/NDF:5.0/6

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: -110.614+/-25.022 χ^2/NDF: 12.9/11

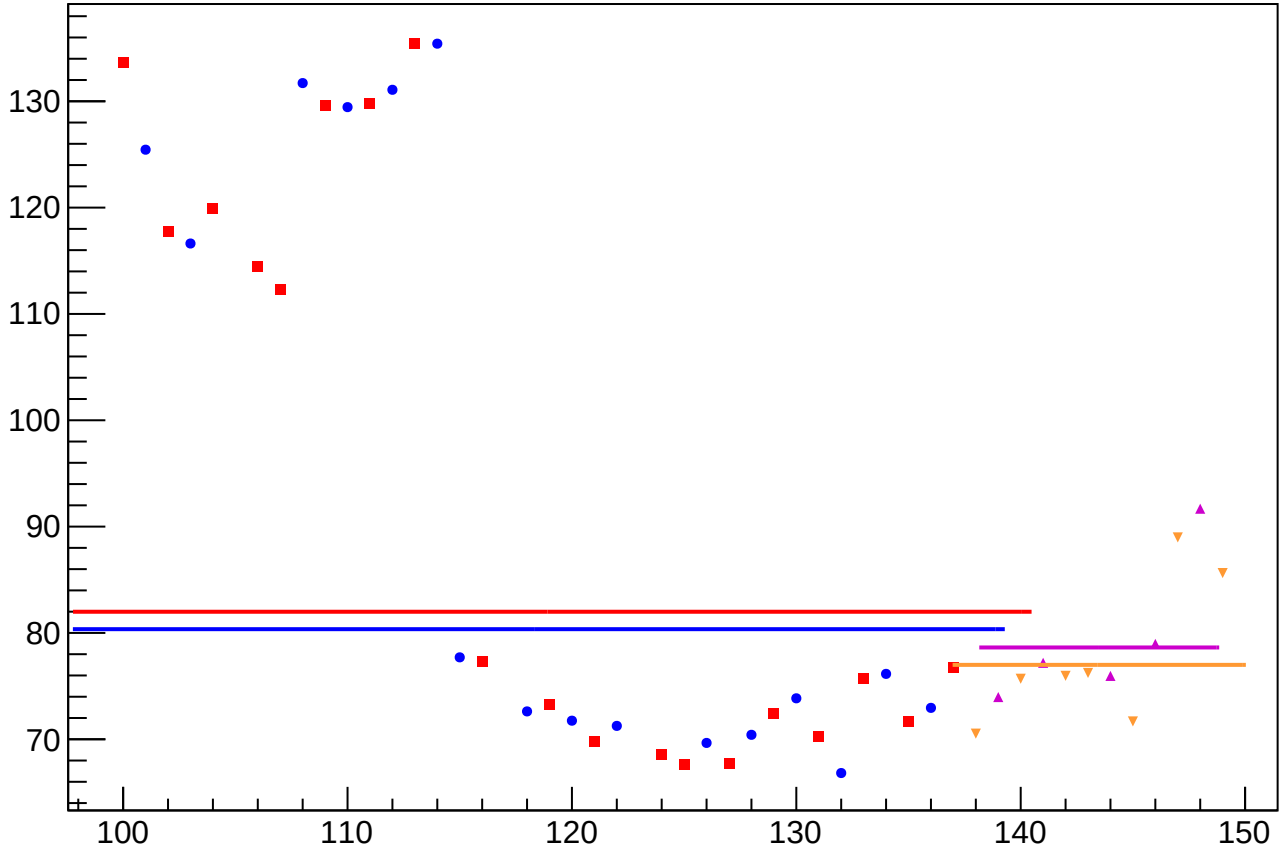
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -41.857+/-23.861 χ^2/NDF:35.0/20

Out: -25.815+/-22.748 χ^2/NDF:35.5/25

All: -33.453+/-16.465 χ^2/NDF: 70.8/46

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 76.997+/-0.024 χ^2/NDF:69757.3/6

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

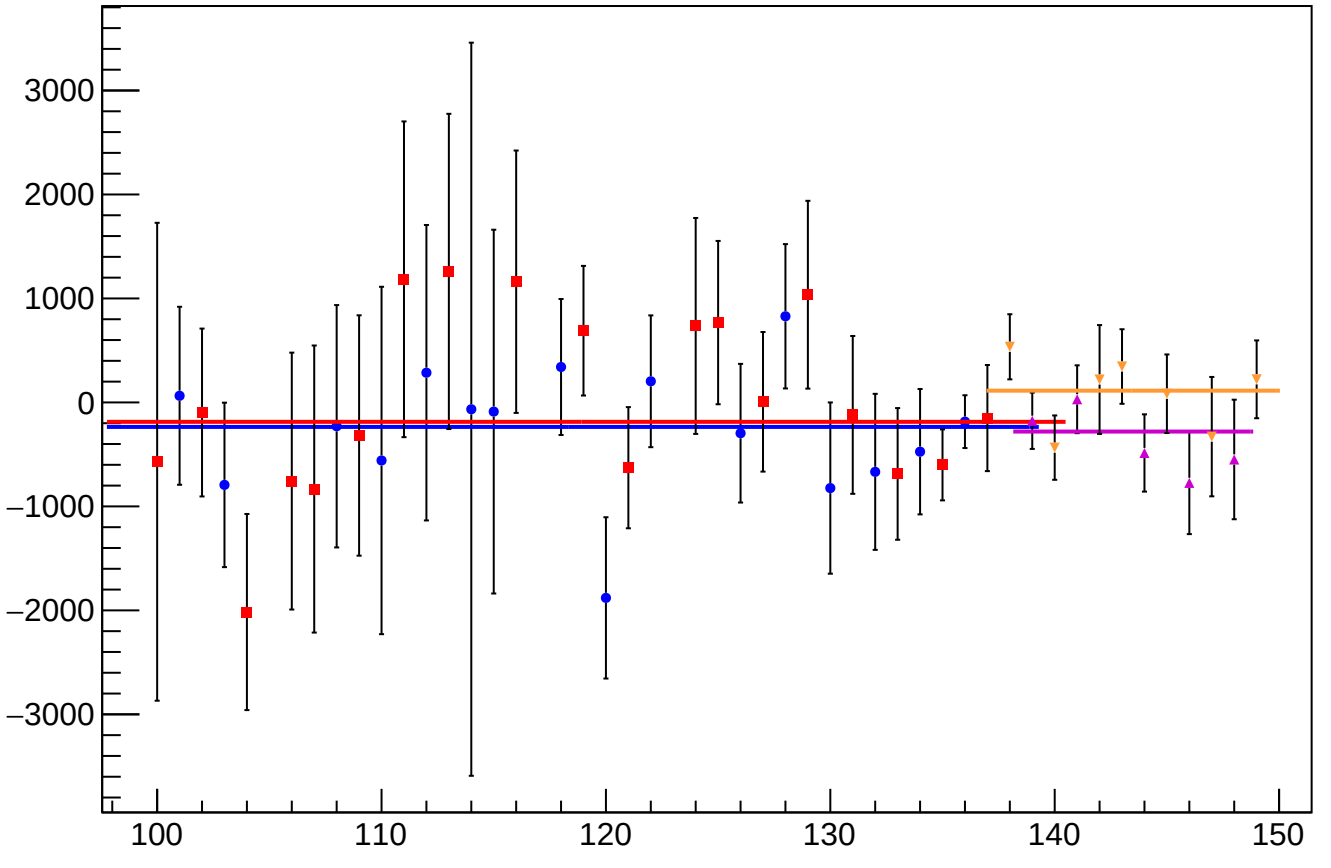
Left: 77.715+/-0.018 χ^2/NDF: 115477.8/11

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.667+/-0.017 χ^2/NDF:886148.3/20

Out: 79.677+/-0.016 χ^2/NDF:1026085.2/25

All: 79.672+/-0.012 χ^2/NDF: 1912233.7/46



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 113.236+/-142.504 χ^2/NDF:6.1/6

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -280.244+/-163.490 χ^2/NDF:2.6/4

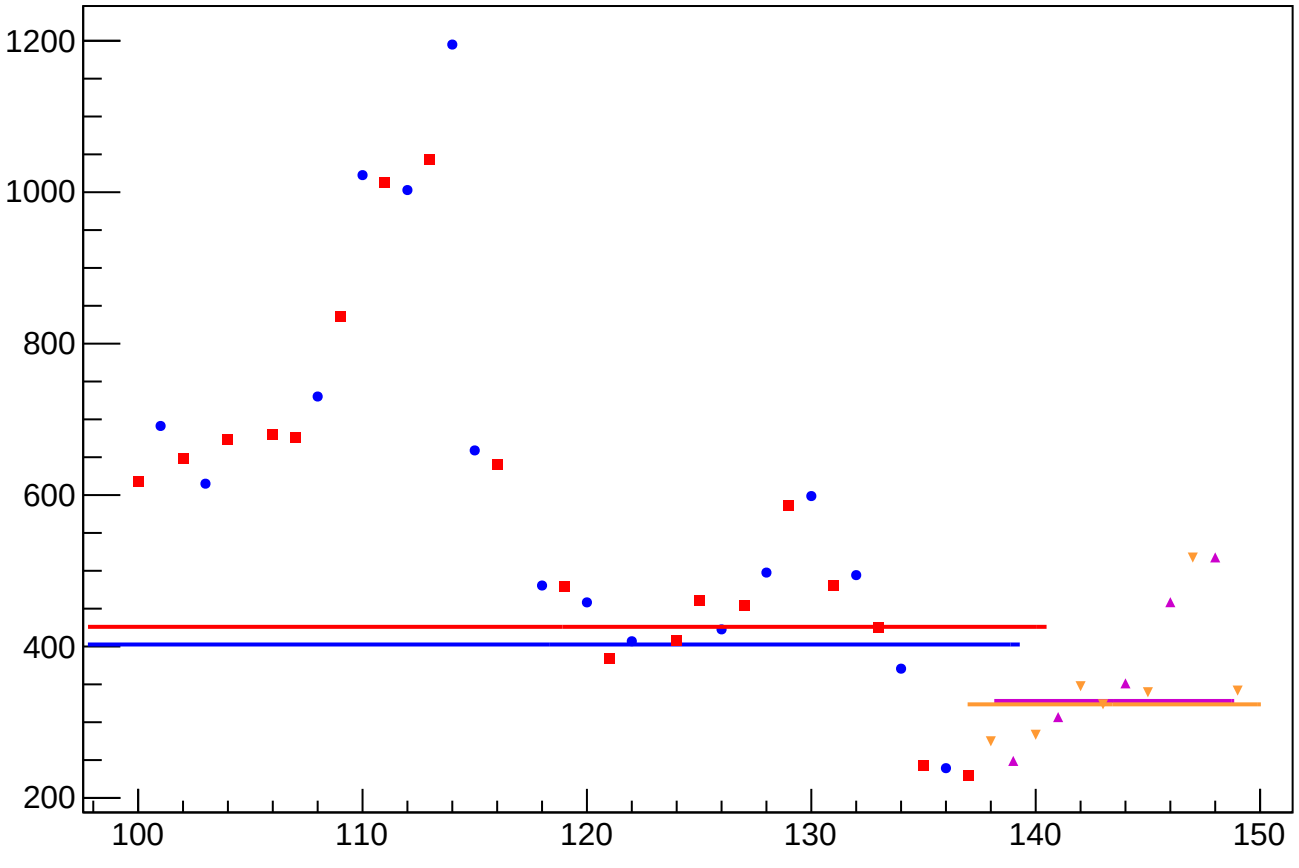
Left: -56.645+/-107.424 χ^2/NDF: 12.0/11

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -257.920+/-115.702 χ^2/NDF:12.6/20

Out: -10.174+/-109.314 χ^2/NDF:23.9/25

All: -127.020+/-79.459 χ^2/NDF: 38.9/46



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 323.606+/-0.101 χ^2/NDF:322868.8/6

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: 325.533+/-0.076 χ^2/NDF: 868807.2/11

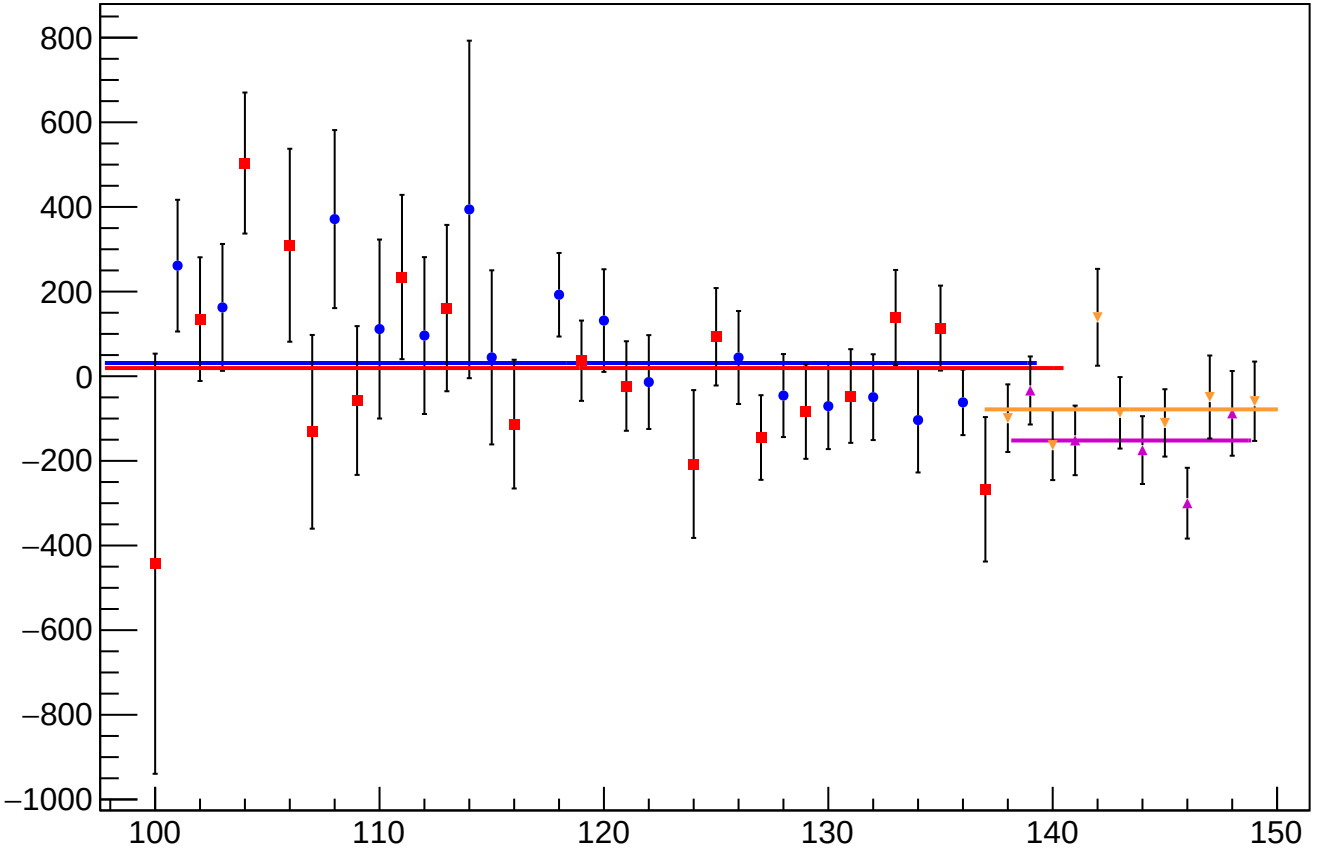
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 365.300+/-0.082 χ^2/NDF:3112984.6/20

Out: 365.740+/-0.077 χ^2/NDF:3116467.3/25

All: 365.533+/-0.056 χ^2/NDF: 6229467.1/46

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.337+/-33.410 χ^2/NDF:5.0/6

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: -110.614+/-25.022 χ^2/NDF: 12.9/11

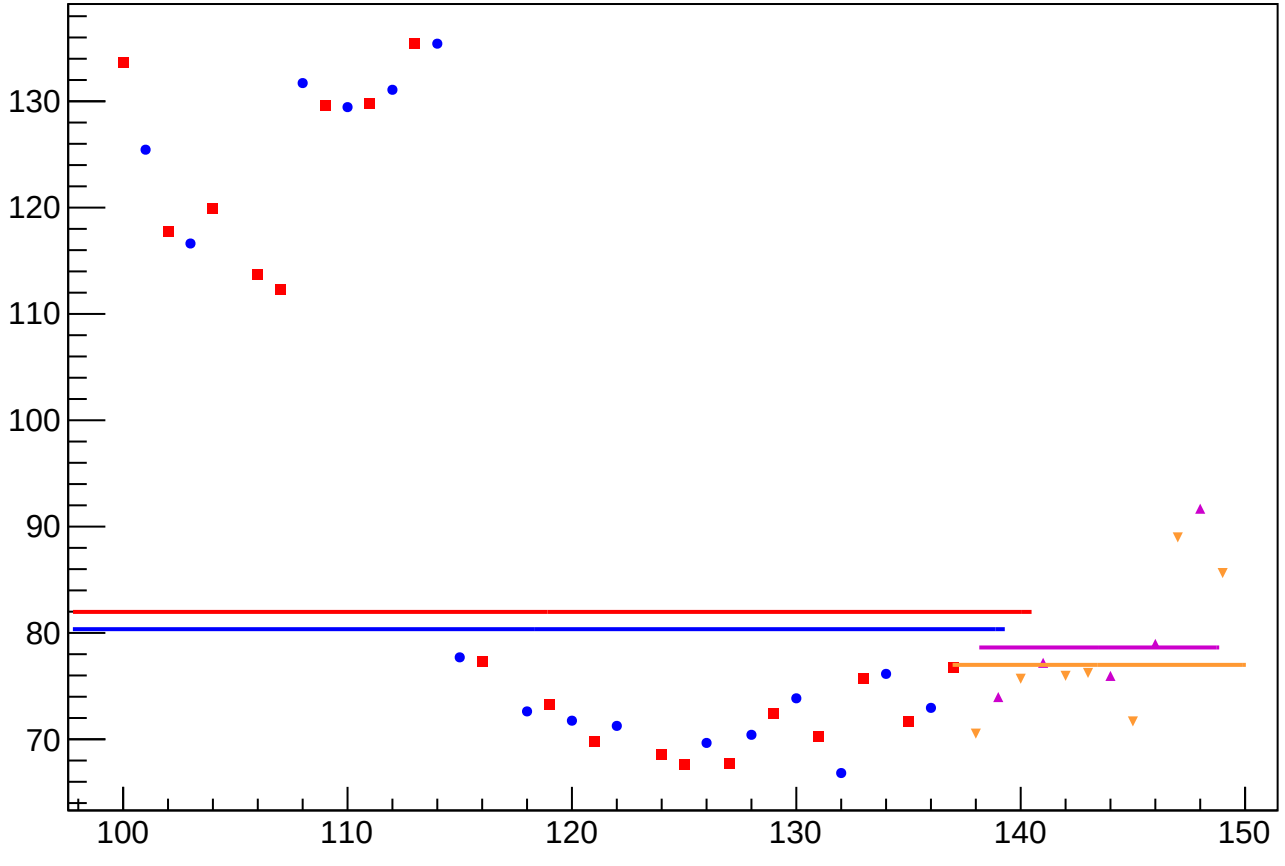
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -41.851+/-23.861 χ^2/NDF:35.0/20

Out: -25.973+/-22.748 χ^2/NDF:35.3/25

All: -33.533+/-16.465 χ^2/NDF: 70.6/46

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.997+/-0.024 χ^2/NDF:69757.3/6

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

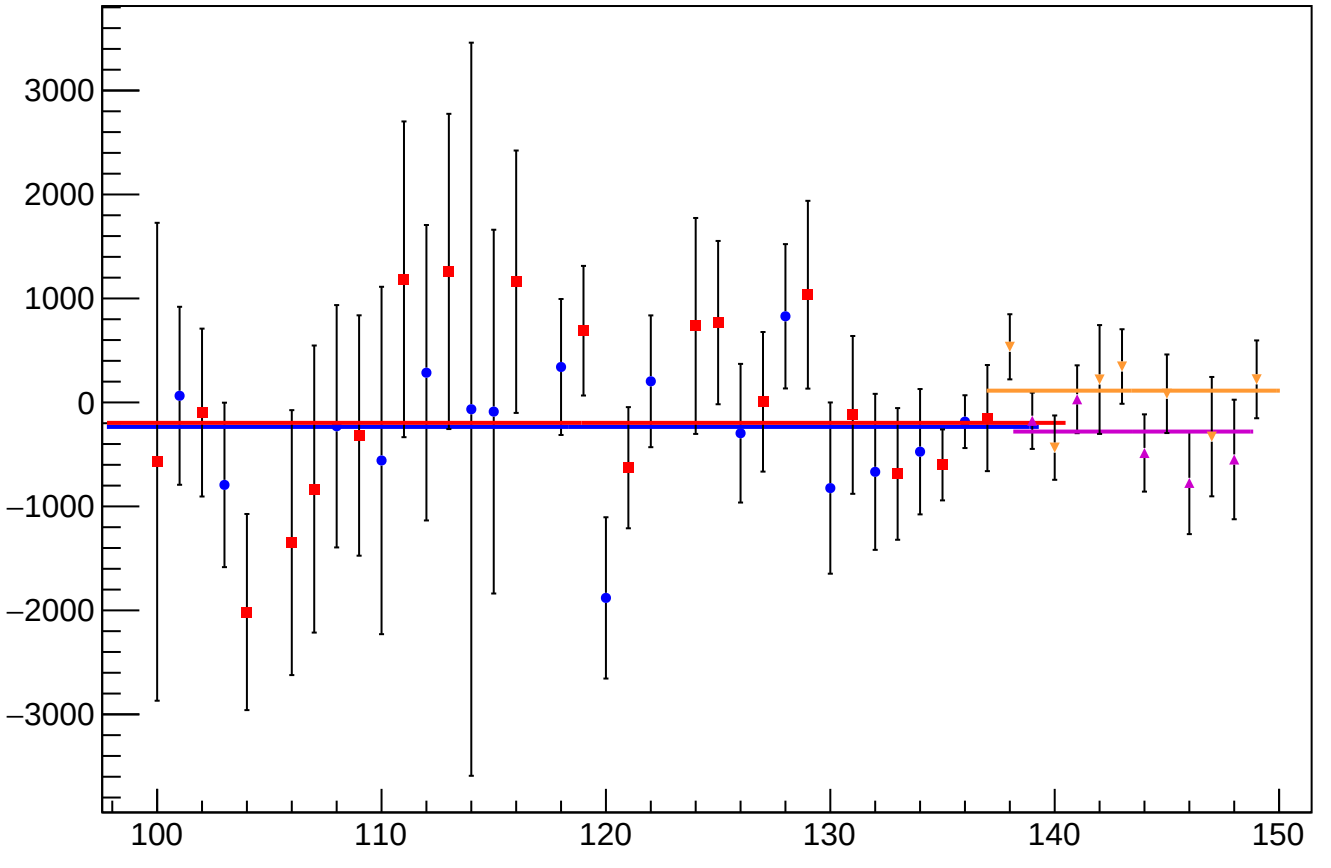
Left: 77.715+/-0.018 χ^2/NDF: 115477.8/11

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.667+/-0.017 χ^2/NDF:886148.5/20

Out: 79.669+/-0.016 χ^2/NDF:1024069.1/25

All: 79.668+/-0.012 χ^2/NDF: 1910217.6/46



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 113.235+/-142.504 χ^2/NDF:6.1/6

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -280.242+/-163.490 χ^2/NDF:2.6/4

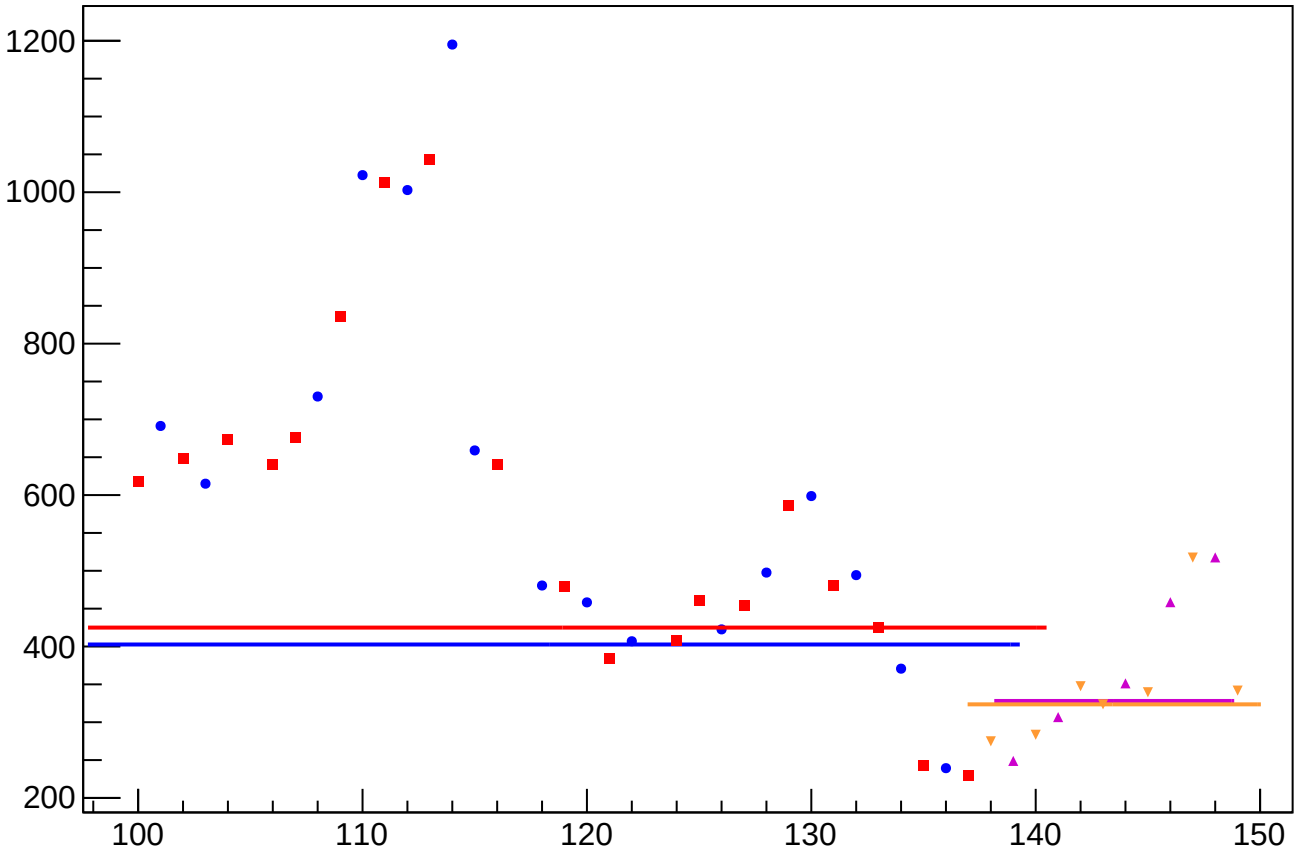
Left: -56.645+/-107.424 χ^2/NDF: 12.0/11

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -257.918+/-115.702 χ^2/NDF:12.6/20

Out: -14.189+/-109.340 χ^2/NDF:24.6/25

All: -129.169+/-79.469 χ^2/NDF: 39.5/46



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 323.606+/-0.101 χ^2/NDF:322872.7/6

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: 325.532+/-0.076 χ^2/NDF: 868811.6/11

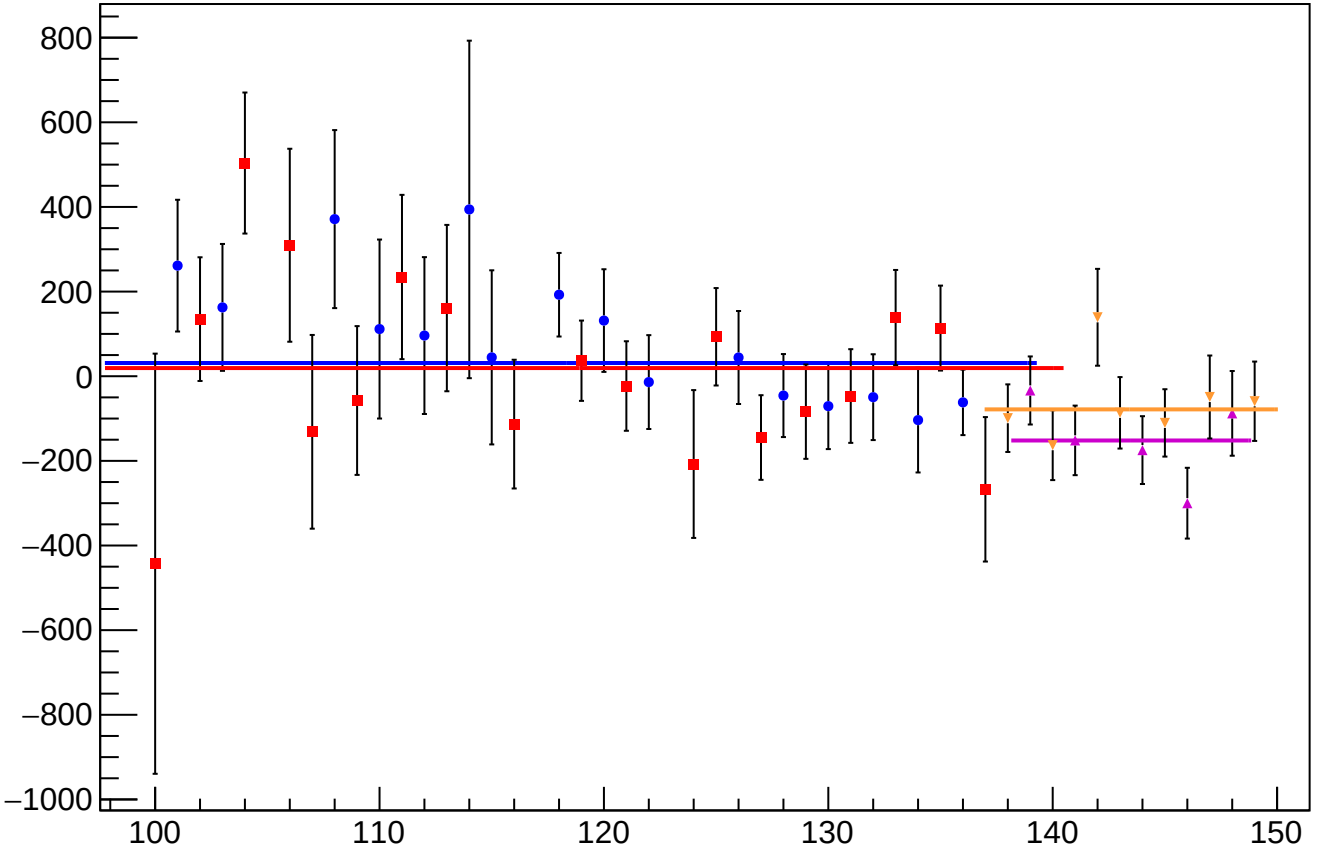
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 365.300+/-0.082 χ^2/NDF:3112983.2/20

Out: 365.303+/-0.077 χ^2/NDF:3080233.4/25

All: 365.302+/-0.056 χ^2/NDF: 6193216.7/46

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -78.337+/-33.410 χ^2/NDF:5.0/6

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.848+/-37.762 χ^2/NDF:5.8/4

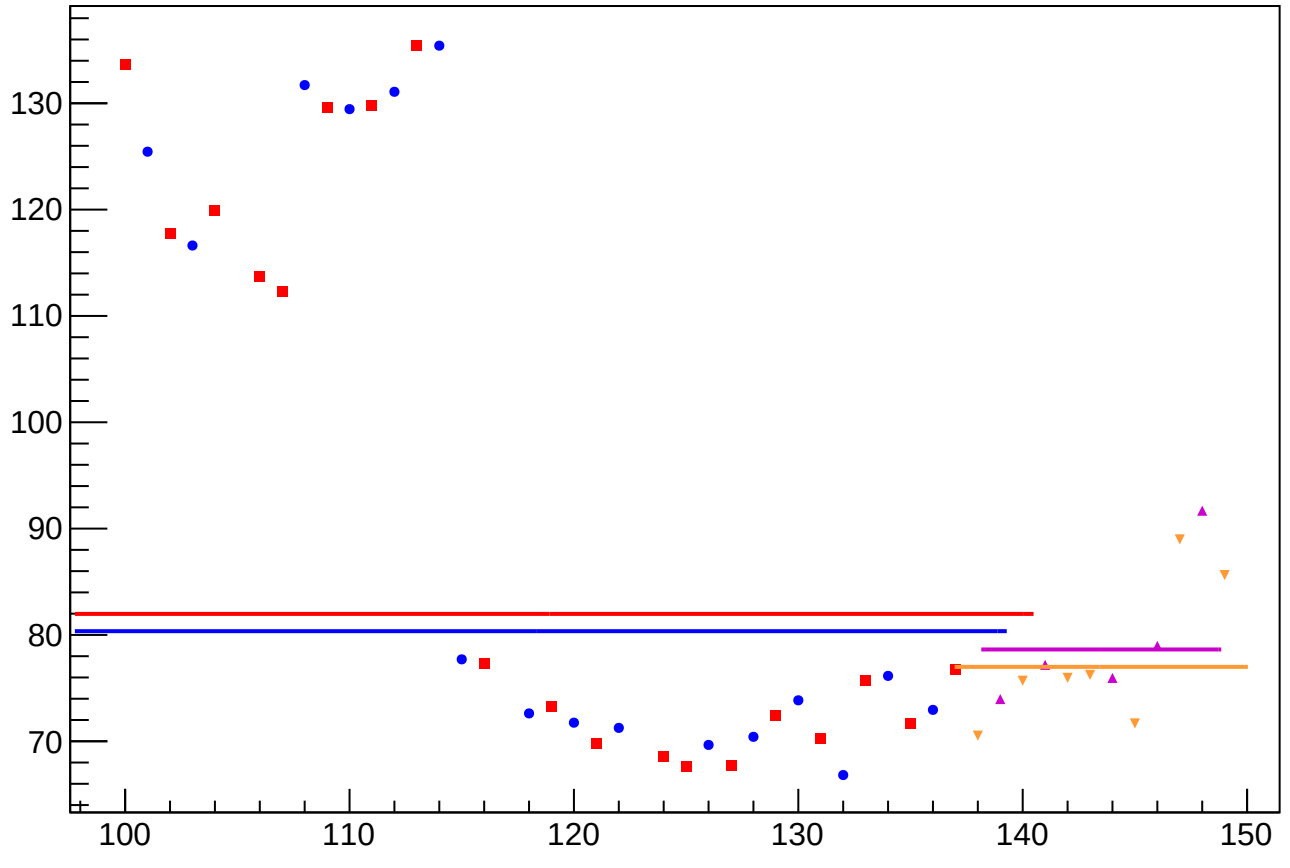
Left: -110.614+/-25.022 χ^2/NDF: 12.9/11

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -41.851+/-23.861 χ^2/NDF:35.0/20

Out: -25.973+/-22.748 χ^2/NDF:35.3/25

All: -33.533+/-16.465 χ^2/NDF: 70.6/46



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.997+/-0.024 χ^2/NDF:69757.3/6

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 78.633+/-0.027 χ^2/NDF:43614.1/4

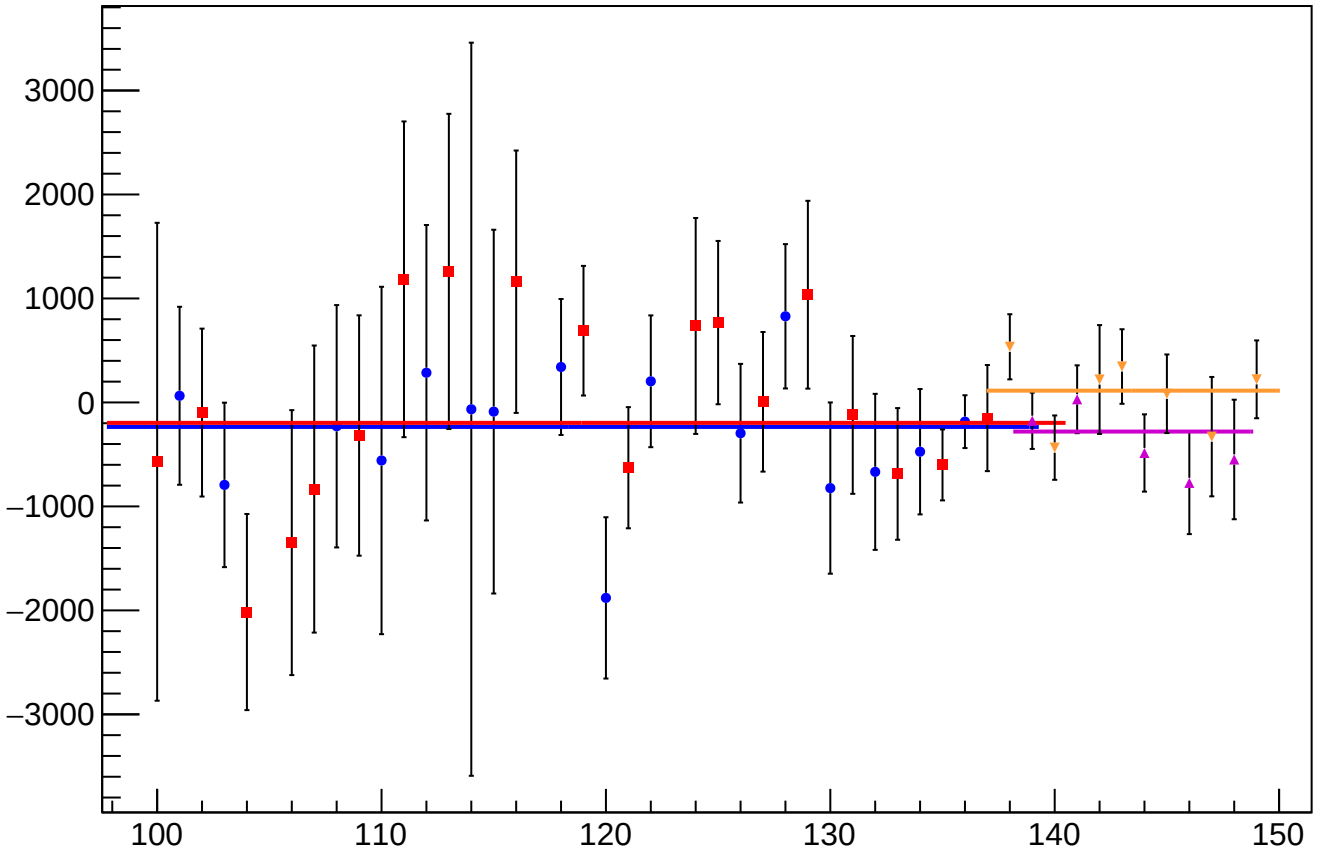
Left: 77.715+/-0.018 χ^2/NDF: 115477.8/11

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.667+/-0.017 χ^2/NDF:886148.5/20

Out: 79.669+/-0.016 χ^2/NDF:1024069.1/25

All: 79.668+/-0.012 χ^2/NDF: 1910217.6/46



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 113.235+/-142.504 χ^2/NDF:6.1/6

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -280.242+/-163.490 χ^2/NDF:2.6/4

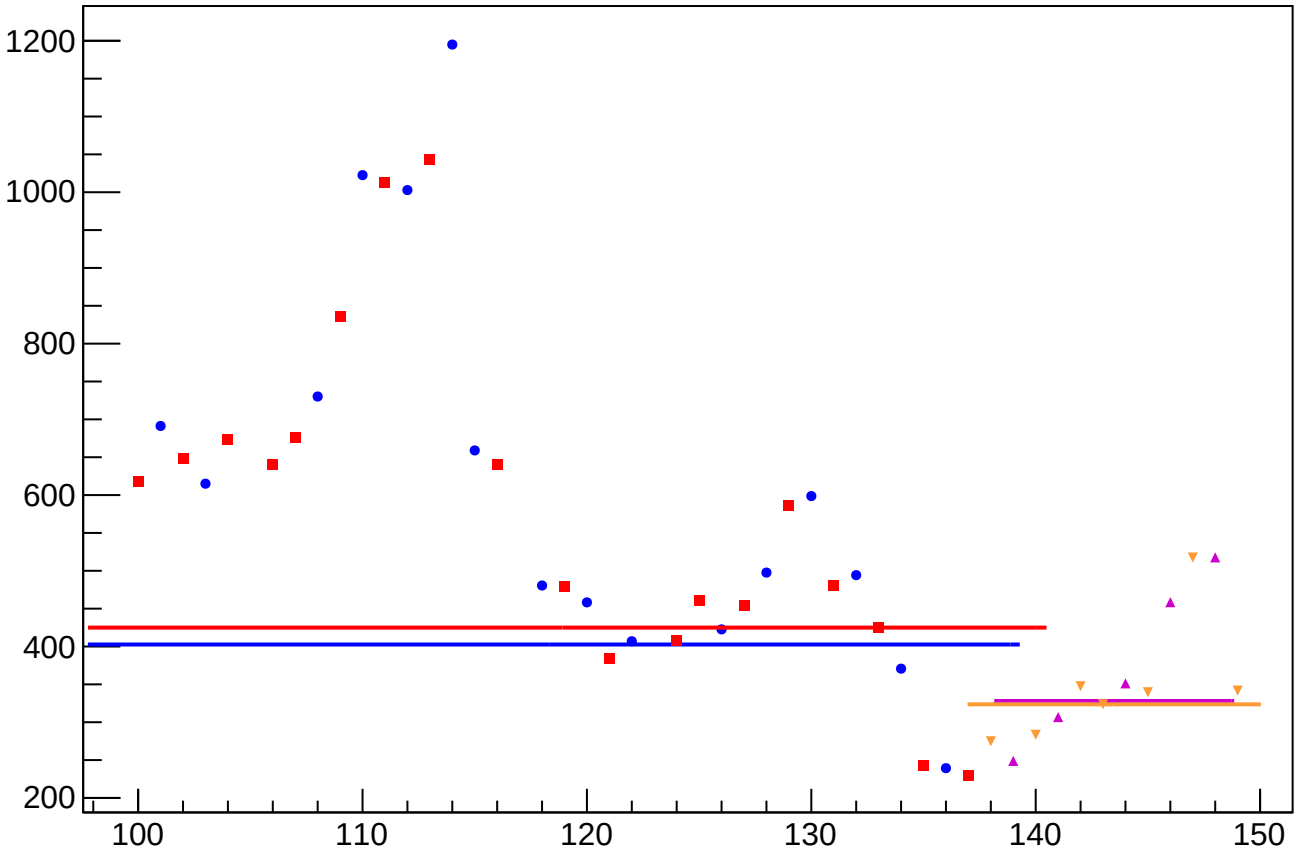
Left: -56.645+/-107.424 χ^2/NDF: 12.0/11

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -257.918+/-115.702 χ^2/NDF:12.6/20

Out: -14.189+/-109.340 χ^2/NDF:24.6/25

All: -129.169+/-79.469 χ^2/NDF: 39.5/46



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 323.606+/-0.101 χ^2/NDF:322872.7/6

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: 325.532+/-0.076 χ^2/NDF: 868811.6/11

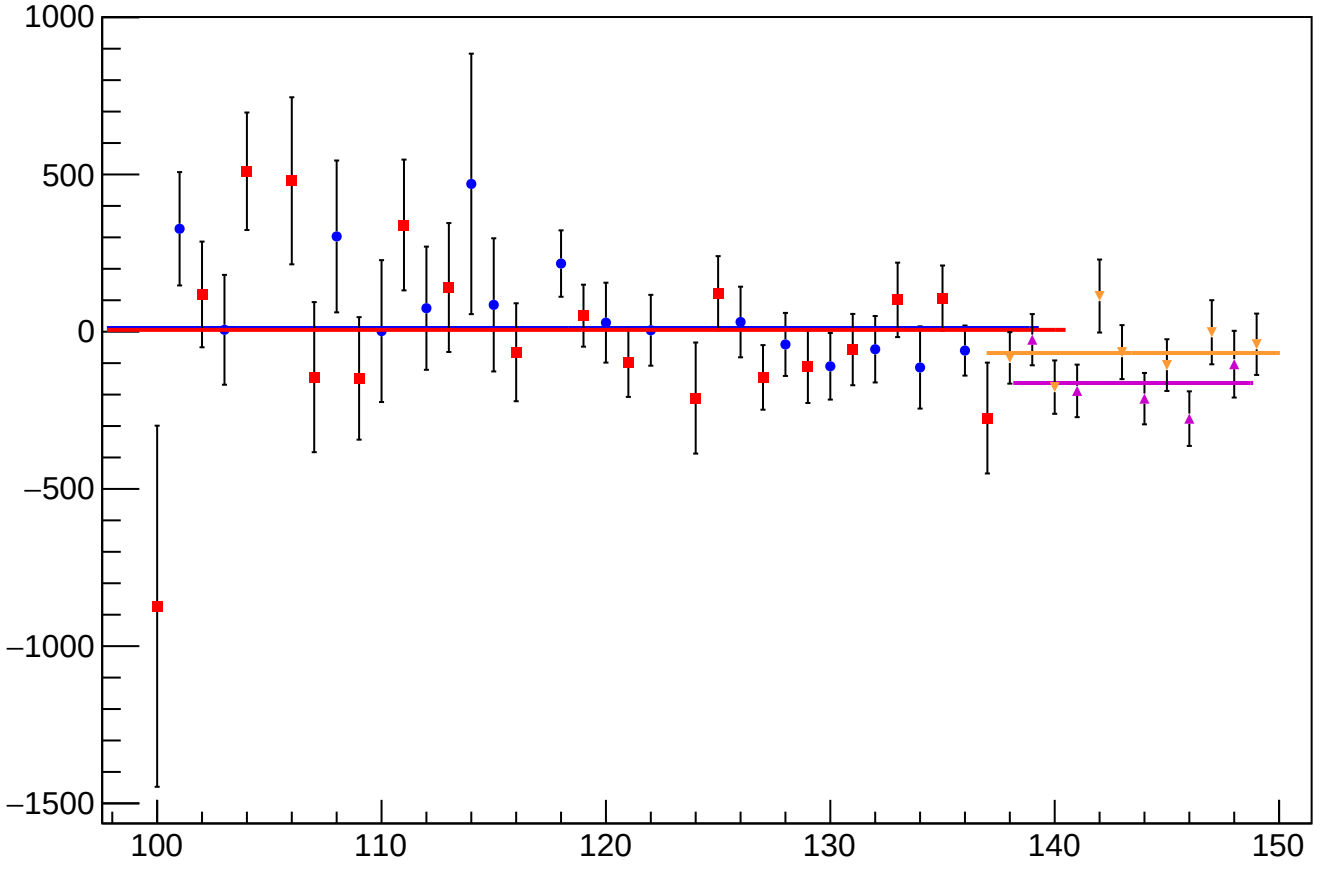
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 365.300+/-0.082 χ^2/NDF:3112983.2/20

Out: 365.303+/-0.077 χ^2/NDF:3080233.4/25

All: 365.302+/-0.056 χ^2/NDF: 6193216.7/46

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -67.726+/-34.360 χ^2/NDF:4.8/6

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: -109.703+/-25.715 χ^2/NDF: 13.6/11

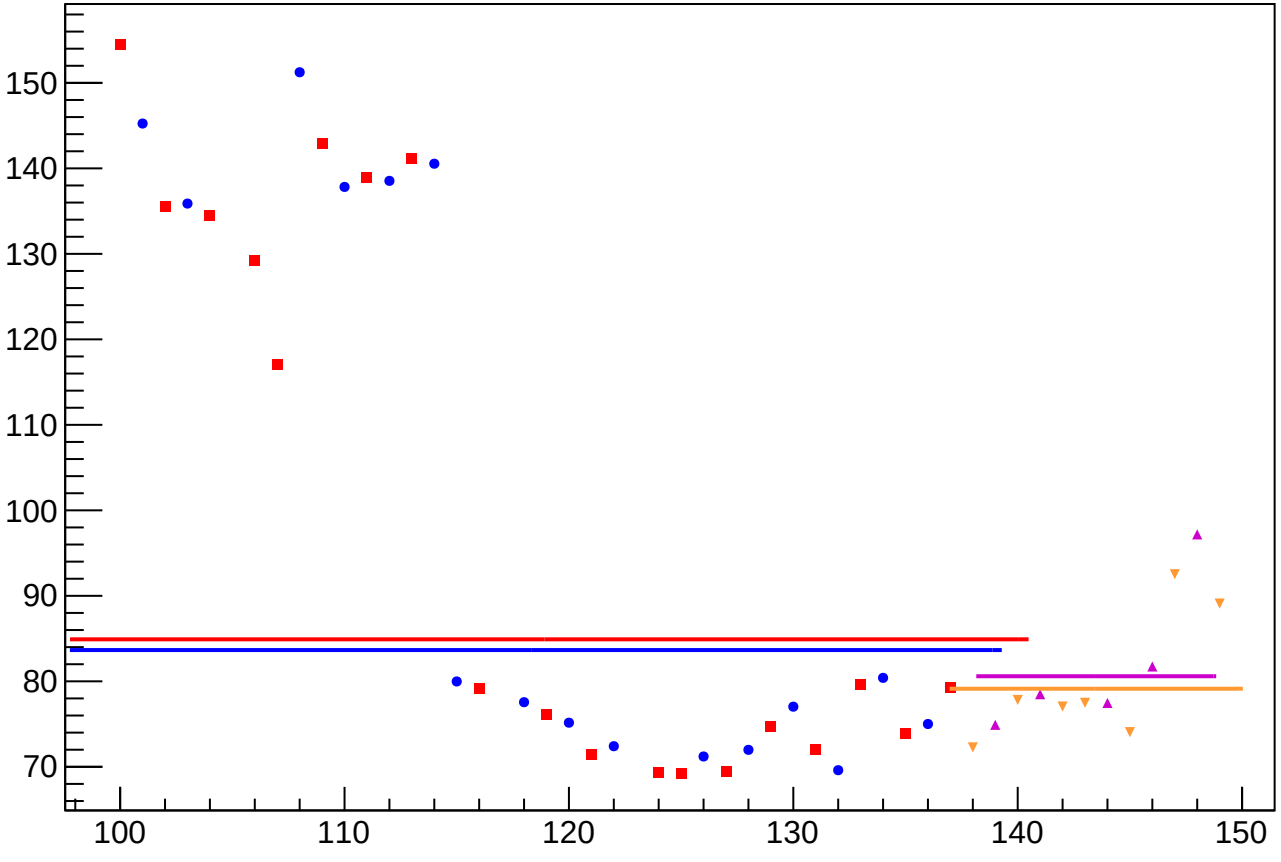
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -59.956+/-24.815 χ^2/NDF:30.9/20

Out: -28.846+/-23.590 χ^2/NDF:36.0/25

All: -43.614+/-17.097 χ^2/NDF: 67.7/46

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.135+/-0.024 χ^2/NDF:78910.1/6

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 80.594+/-0.027 χ^2/NDF:63187.9/4

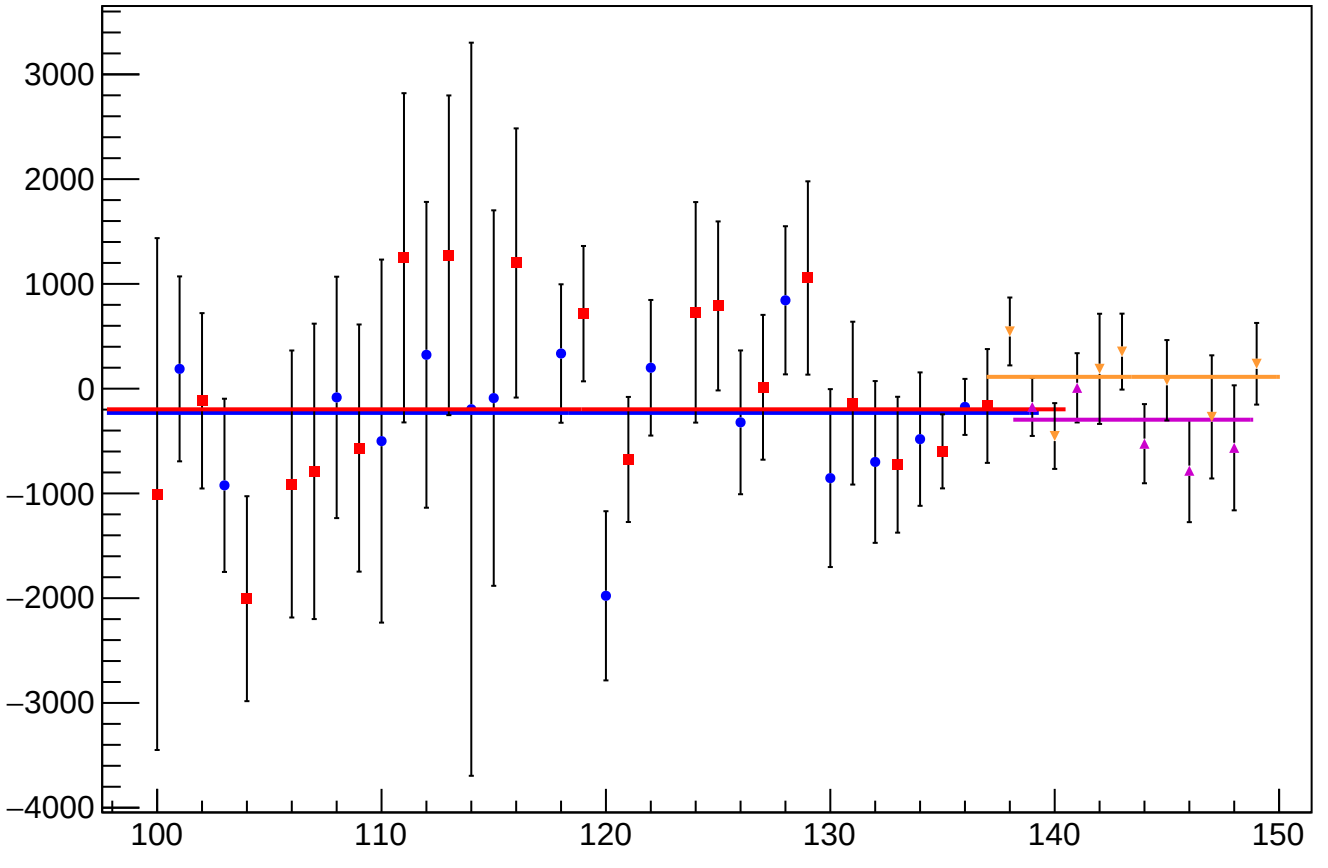
Left: 79.777+/-0.018 χ^2/NDF: 143684.3/11

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.402+/-0.018 χ^2/NDF:1105349.8/20

Out: 82.190+/-0.017 χ^2/NDF:1230474.6/25

All: 82.291+/-0.012 χ^2/NDF: 2335901.6/46



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 112.714+/-145.609 χ^2/NDF:6.0/6

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: -64.850+/-109.541 χ^2/NDF: 12.0/11

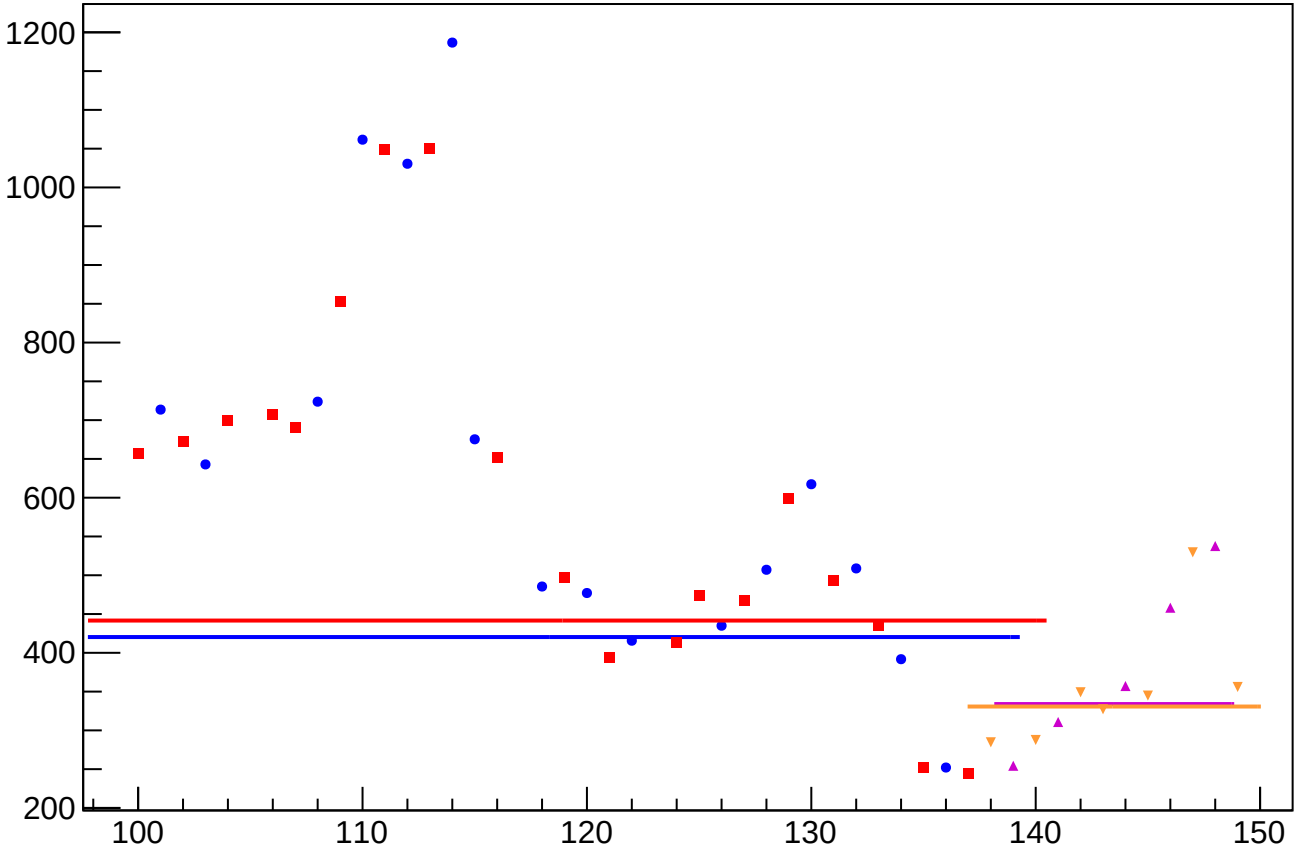
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -264.634+/-118.911 χ^2/NDF:13.1/20

Out: -13.142+/-112.214 χ^2/NDF:23.8/25

All: -131.607+/-81.612 χ^2/NDF: 39.2/46

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 330.745+/-0.103 χ^2/NDF:320831.5/6

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 333.921+/-0.118 χ^2/NDF:543822.7/4

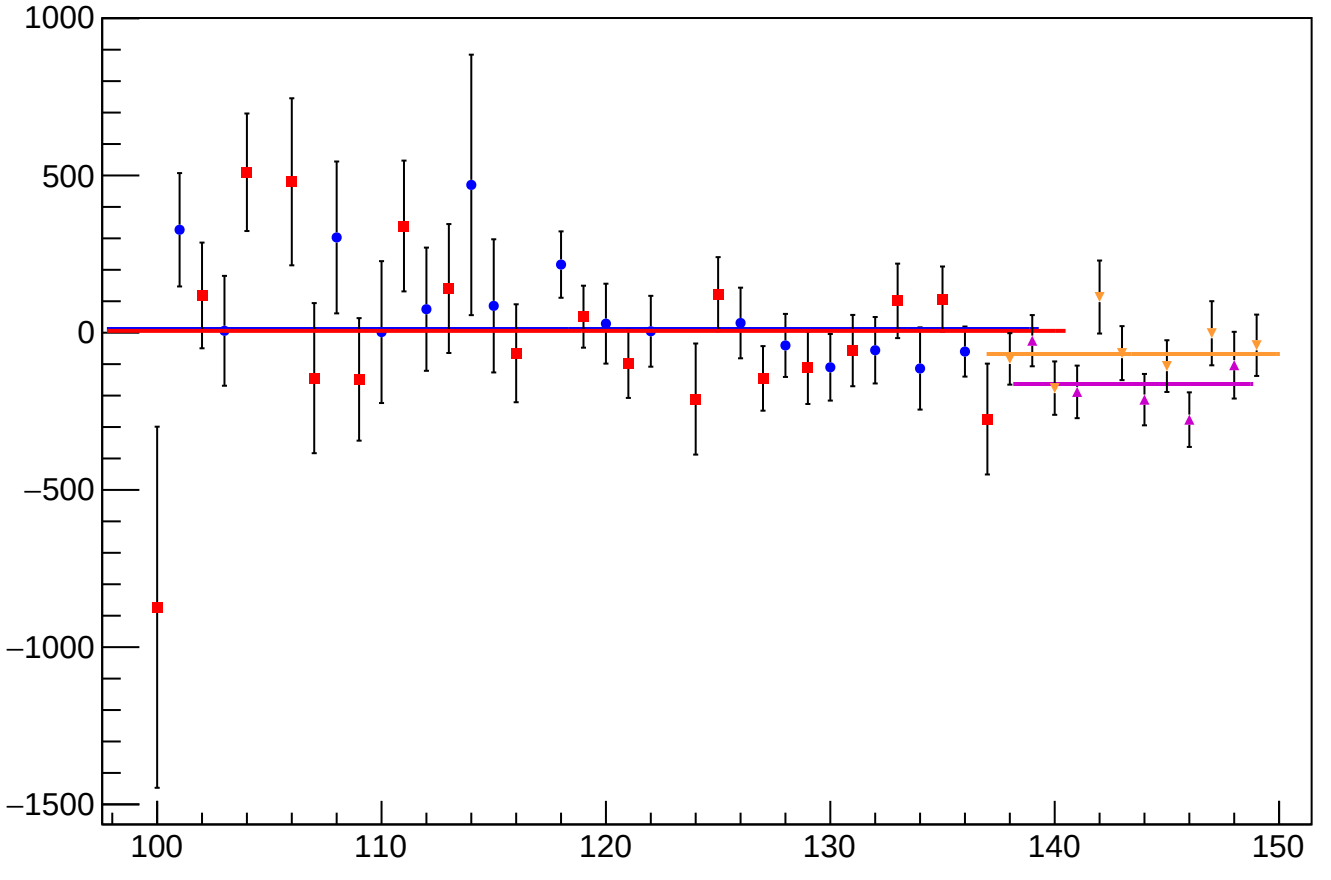
Left: 332.124+/-0.077 χ^2/NDF: 865067.2/11

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 376.132+/-0.084 χ^2/NDF:3062312.8/20

Out: 375.761+/-0.079 χ^2/NDF:3099144.8/25

All: 375.936+/-0.058 χ^2/NDF: 6161467.9/46



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -67.727+/-34.360 χ^2/NDF:4.8/6

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -163.151+/-38.772 χ^2/NDF:5.3/4

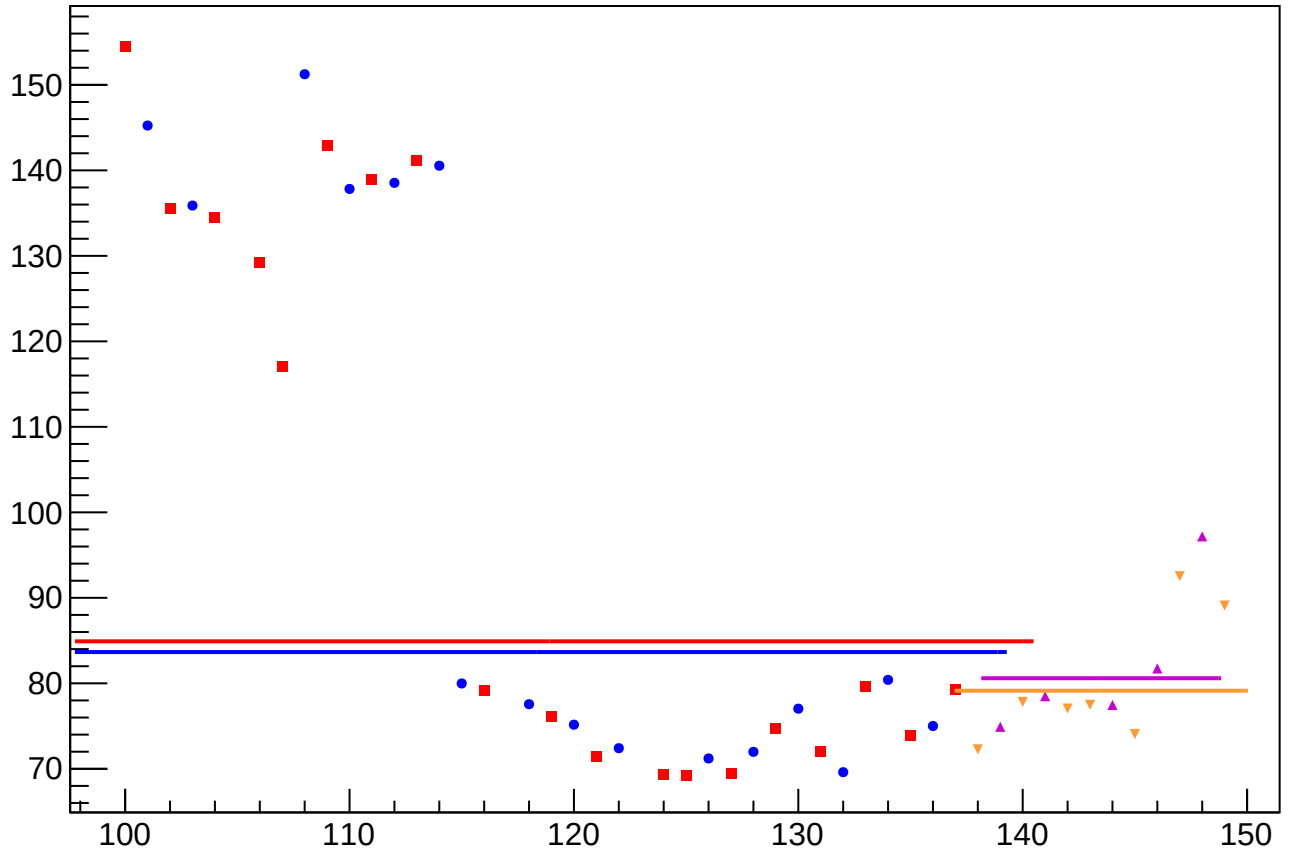
Left: -109.704+/-25.715 χ^2/NDF: 13.6/11

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -59.956+/-24.815 χ^2/NDF:30.9/20

Out: -28.847+/-23.590 χ^2/NDF:36.0/25

All: -43.614+/-17.097 χ^2/NDF: 67.7/46



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.135+/-0.024 χ^2/NDF:78909.7/6

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 80.594+/-0.027 χ^2/NDF:63187.2/4

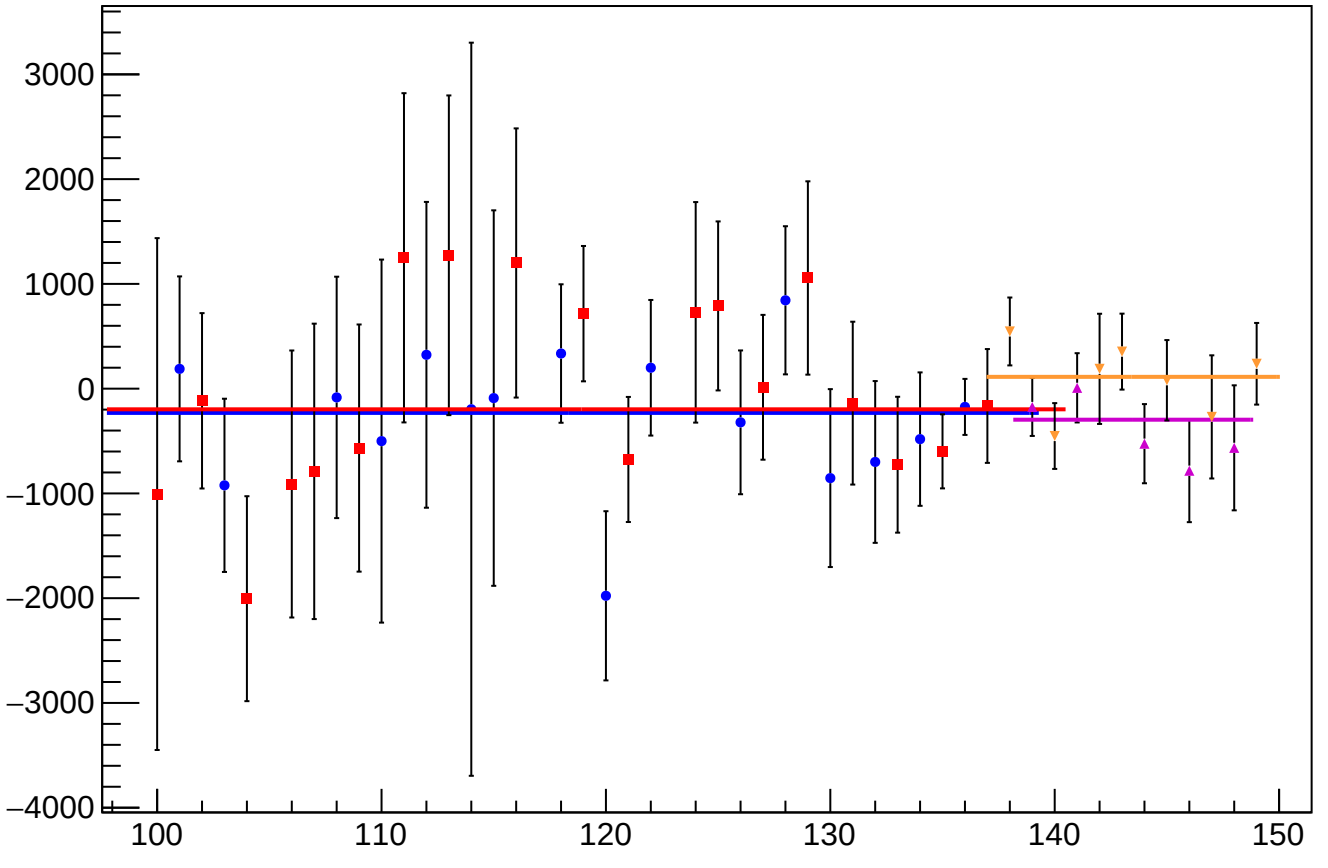
Left: 79.777+/-0.018 χ^2/NDF: 143683.2/11

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.402+/-0.018 χ^2/NDF:1105348.4/20

Out: 82.190+/-0.017 χ^2/NDF:1230472.6/25

All: 82.291+/-0.012 χ^2/NDF: 2335898.2/46



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 112.713+/-145.609 χ^2/NDF:6.0/6

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -296.369+/-166.266 χ^2/NDF:2.6/4

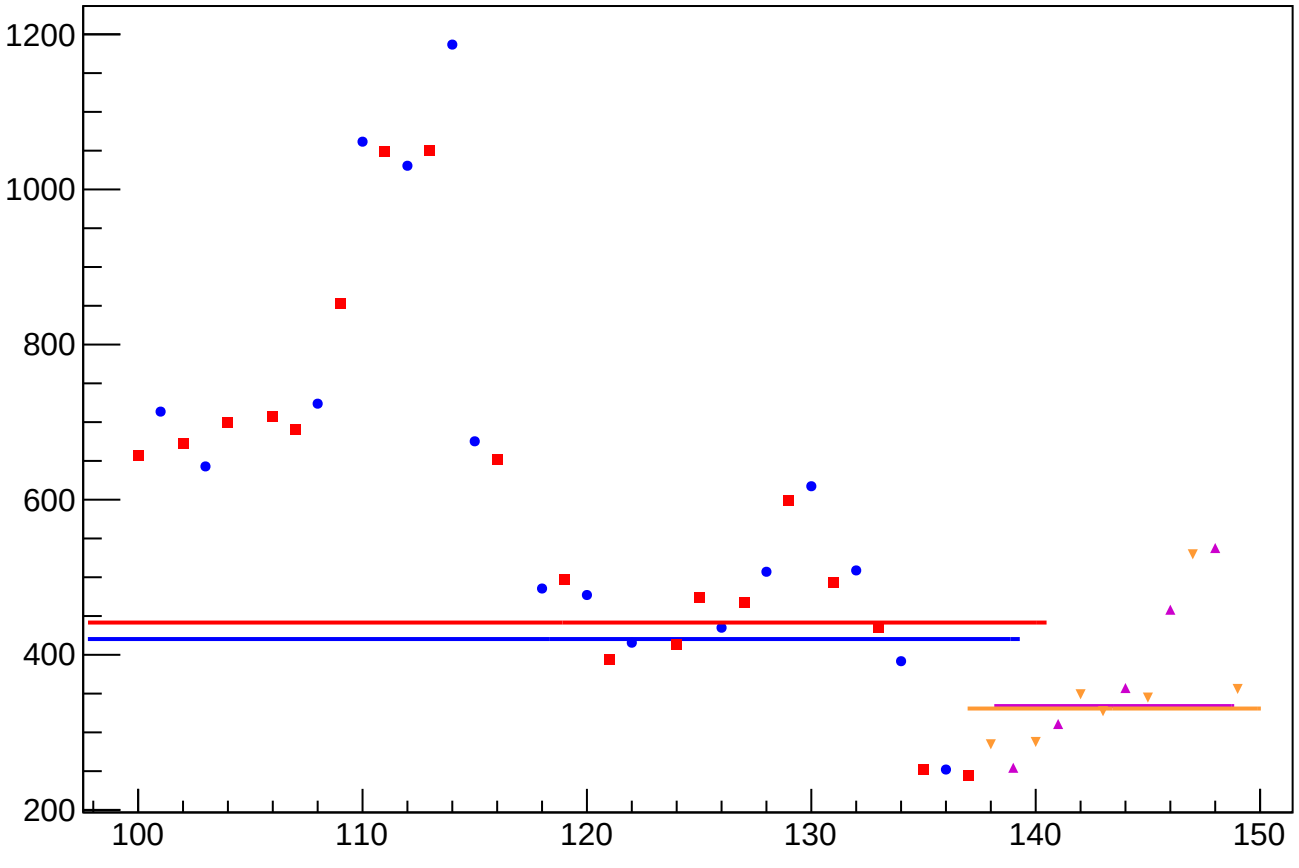
Left: -64.850+/-109.541 χ^2/NDF: 12.0/11

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -264.633+/-118.911 χ^2/NDF:13.1/20

Out: -13.142+/-112.214 χ^2/NDF:23.8/25

All: -131.607+/-81.612 χ^2/NDF: 39.2/46



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 330.745+/-0.103 χ^2/NDF:320831.3/6

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: 332.123+/-0.077 χ^2/NDF: 865067.4/11

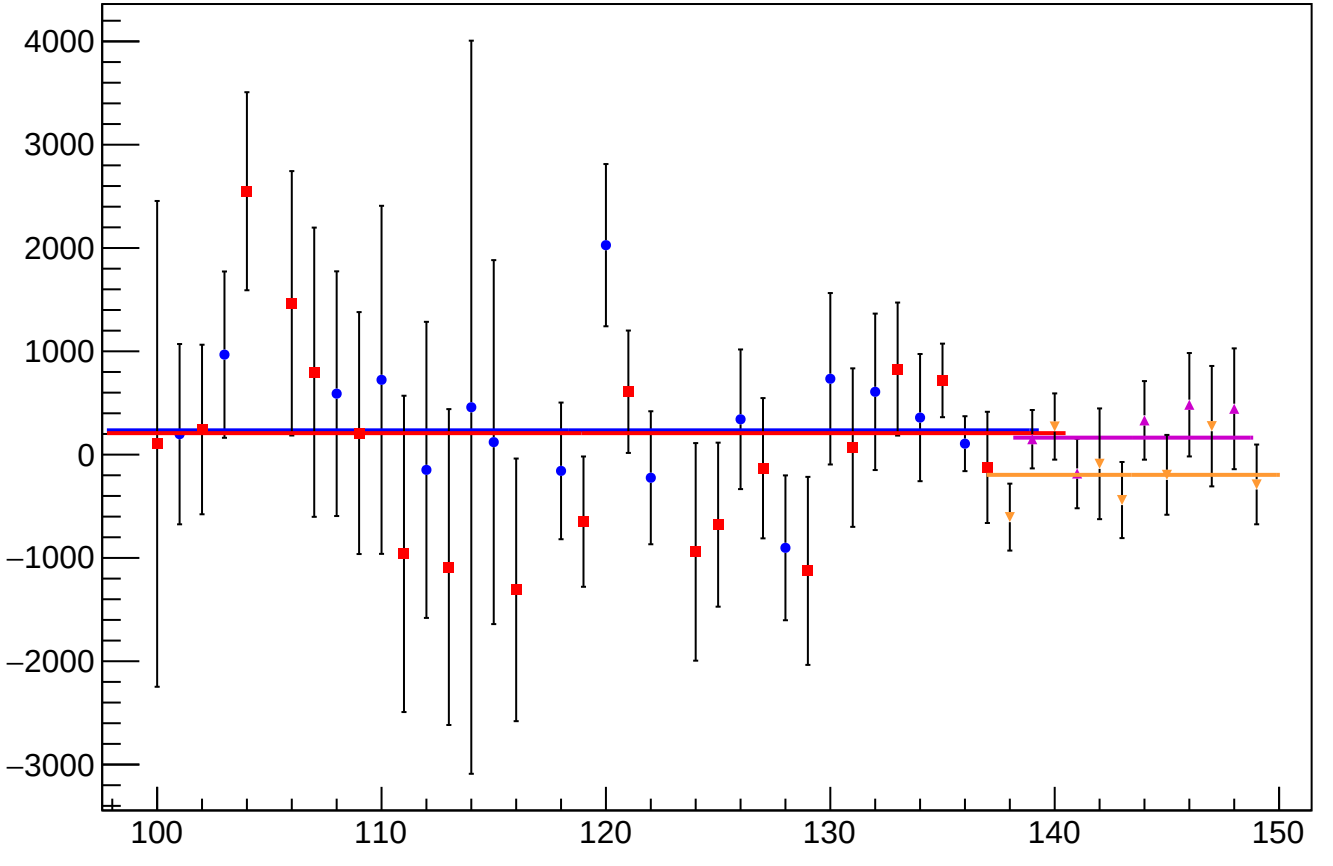
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 376.131+/-0.084 χ^2/NDF:3062316.6/20

Out: 375.761+/-0.079 χ^2/NDF:3099148.1/25

All: 375.935+/-0.058 χ^2/NDF: 6161475.0/46

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -195.820+/-146.704 χ^2/NDF:4.9/6

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: -40.683+/-110.678 χ^2/NDF: 9.4/11

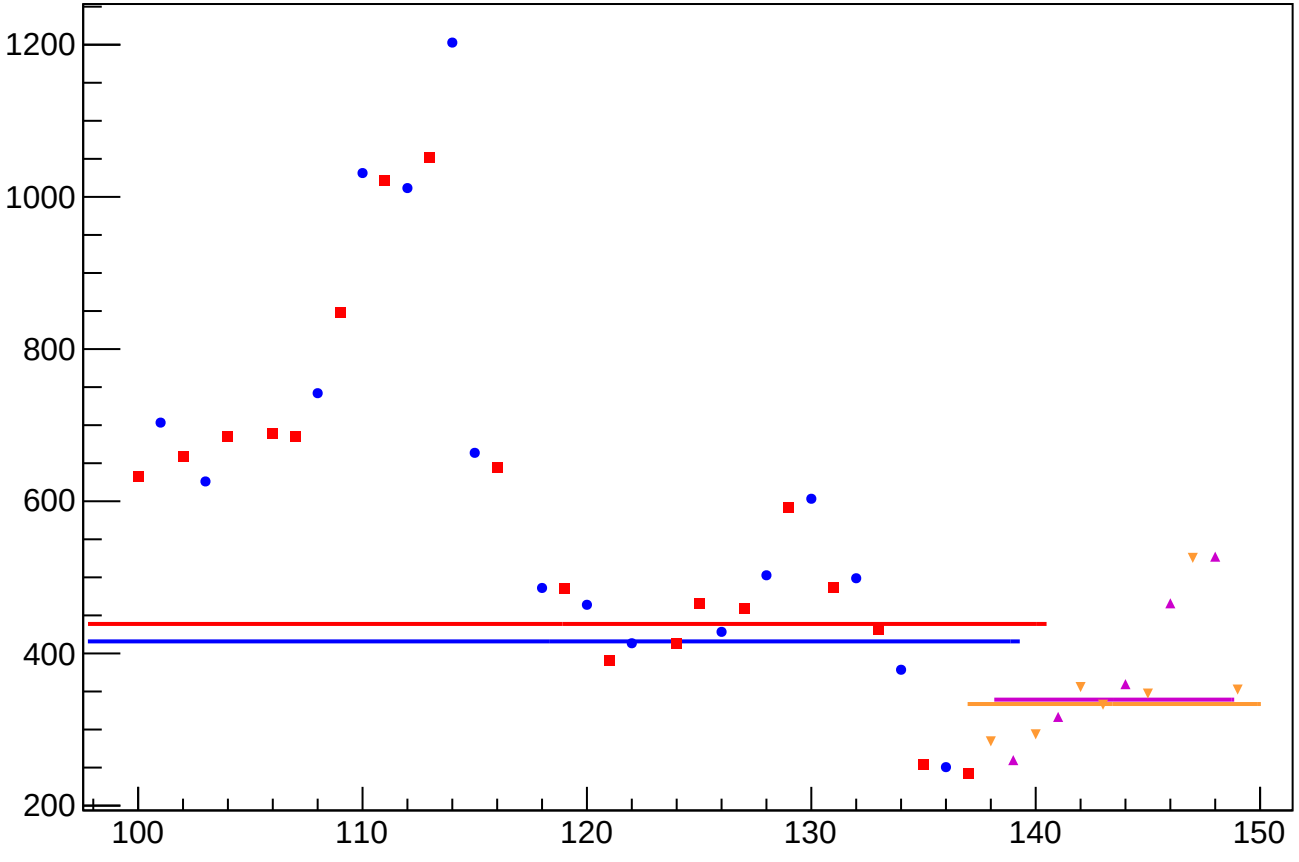
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 199.750+/-119.083 χ^2/NDF:12.7/20

Out: -28.864+/-112.350 χ^2/NDF:28.4/25

All: 78.797+/-81.720 χ^2/NDF: 43.0/46

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 333.540+/-0.104 χ^2/NDF:304809.5/6

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.301+/-0.119 χ^2/NDF:507501.1/4

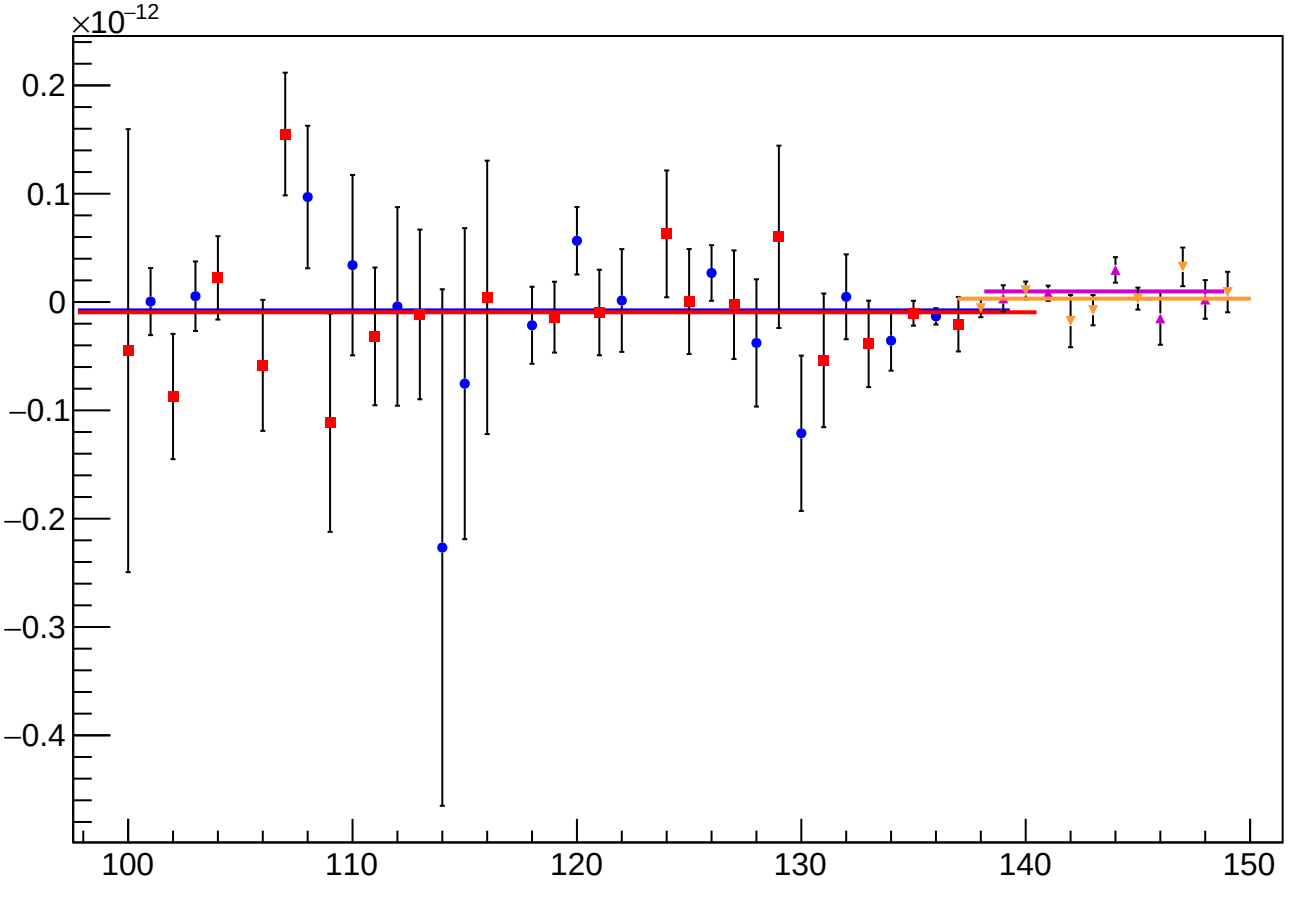
Left: 336.022+/-0.078 χ^2/NDF: 813639.2/11

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 377.666+/-0.084 χ^2/NDF:2938002.7/20

Out: 377.055+/-0.079 χ^2/NDF:2965117.8/25

All: 377.343+/-0.058 χ^2/NDF: 5903148.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/4

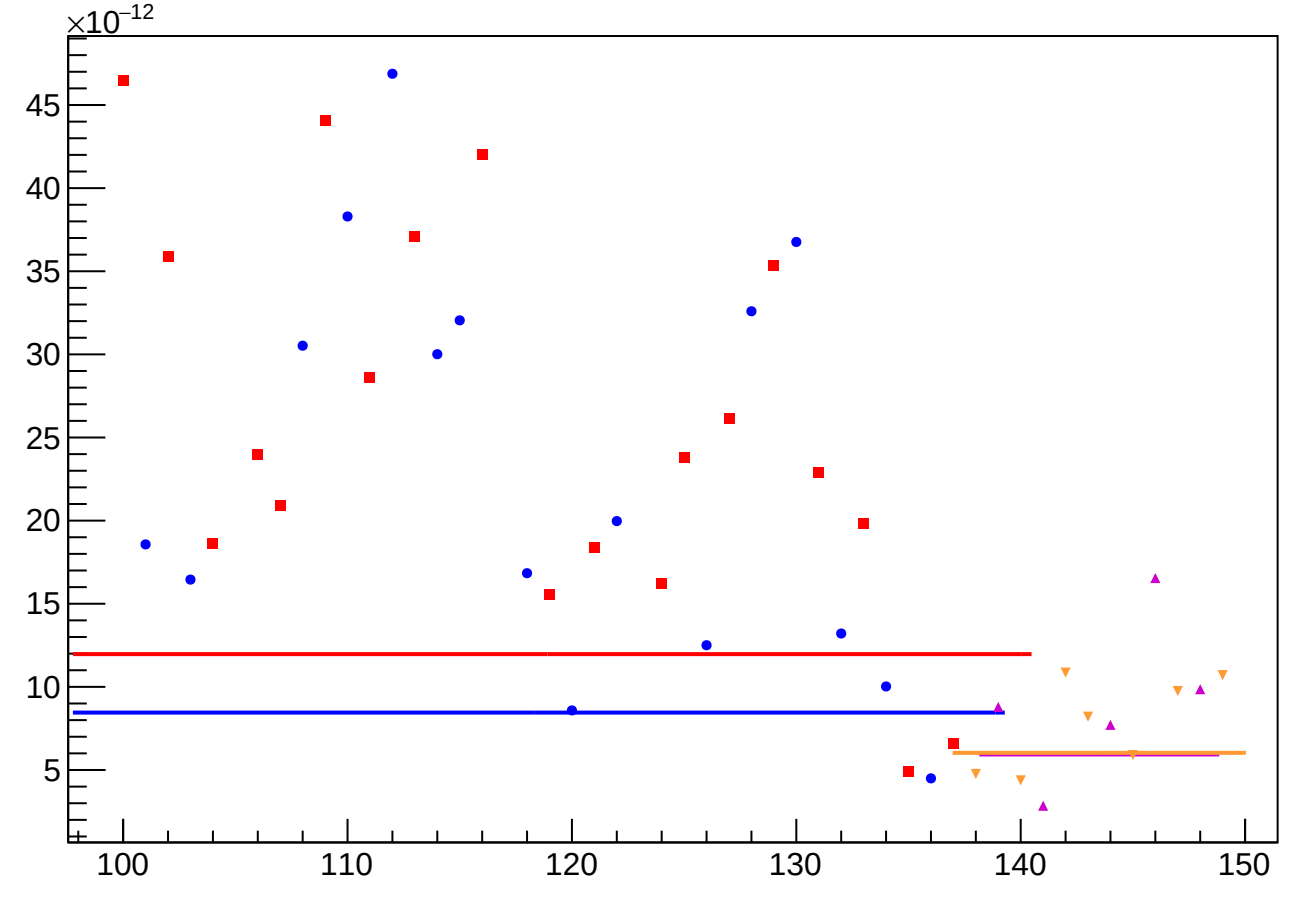
Left: 0.000+/-0.000 χ^2/NDF: 11.5/11

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:24.3/25

All: 0.000+/-0.000 χ^2/NDF: 48.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:469060.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1017916.0/4

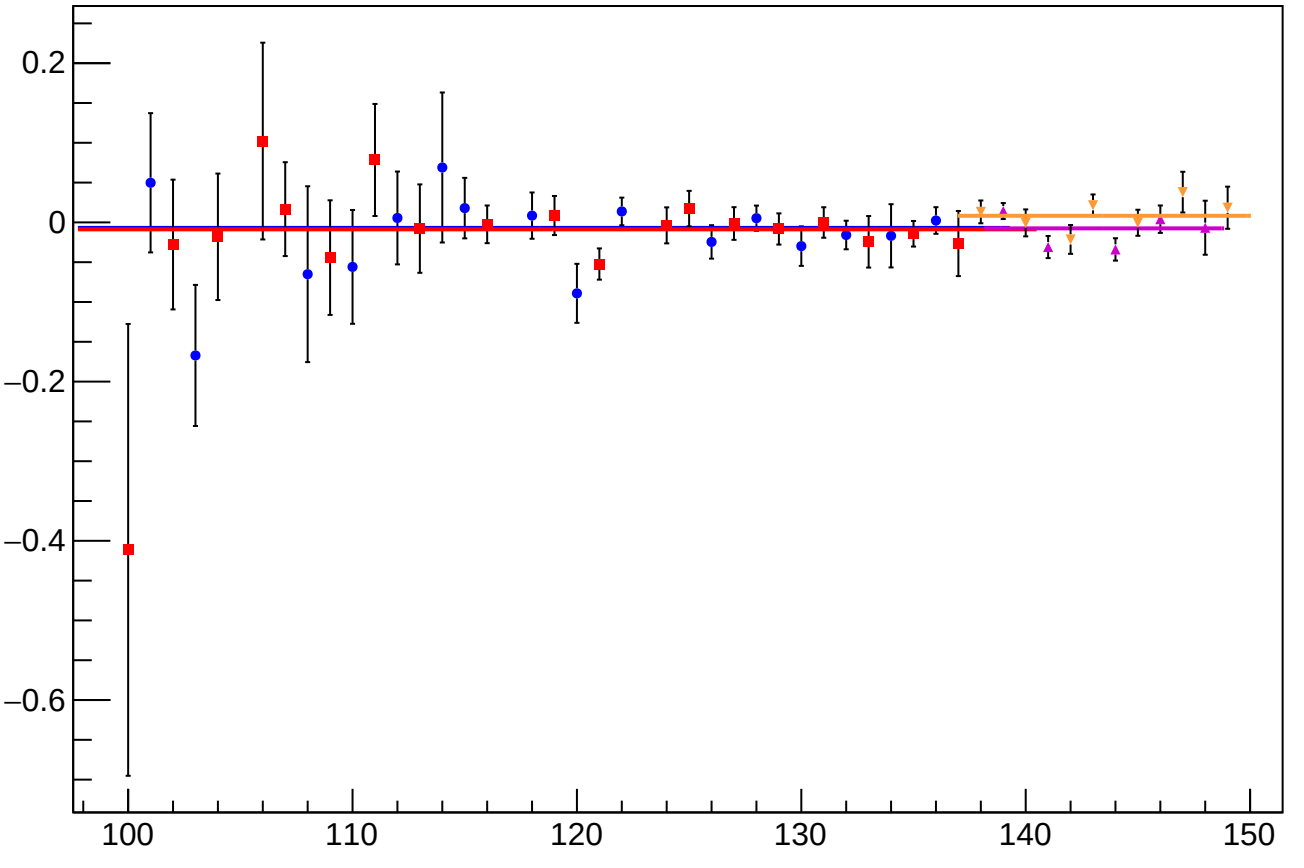
Left: 0.000+/-0.000 χ^2/NDF: 1487412.2/11

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:3973870.2/20

Out: 0.000+/-0.000 χ^2/NDF:4052043.5/25

All: 0.000+/-0.000 χ^2/NDF: 8037429.6/46



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.8/6

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.006 χ^2/NDF:11.5/4

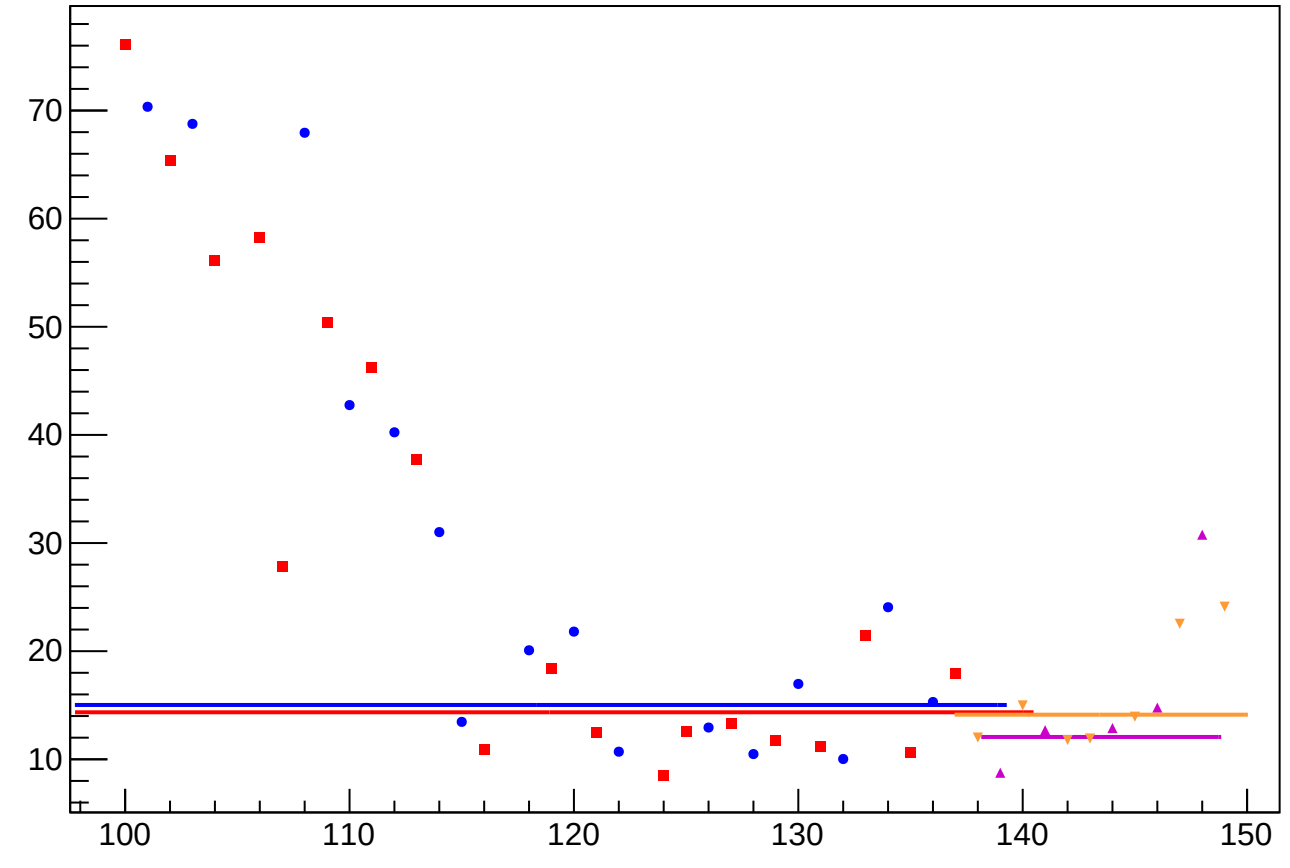
Left: 0.000+/-0.005 χ^2/NDF: 20.3/11

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/20

Out: -0.000+/-0.005 χ^2/NDF:21.9/25

All: -0.004+/-0.003 χ^2/NDF: 49.5/46



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.128+/-0.005 χ^2/NDF:635445.0/6

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

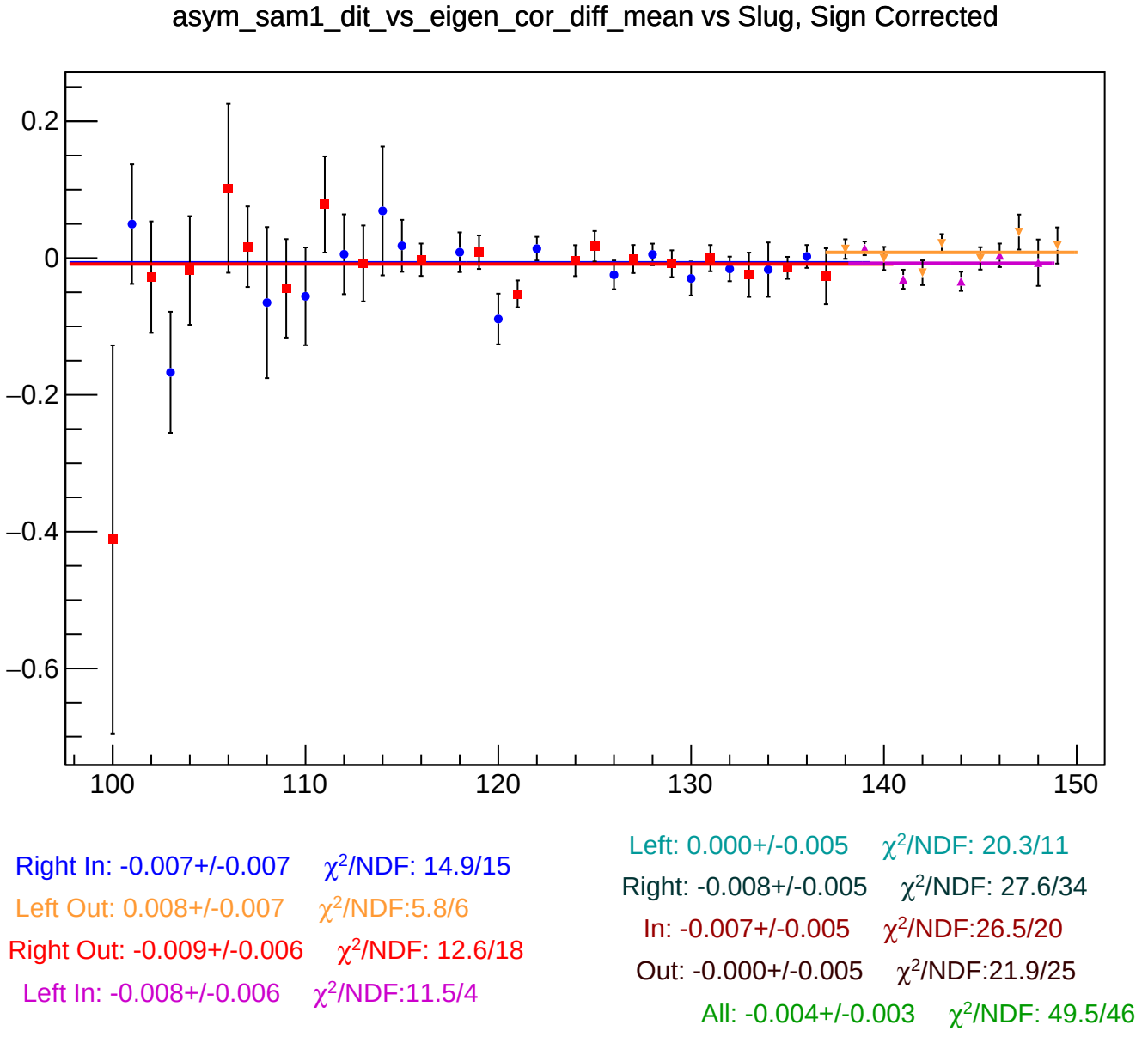
Left: 13.078+/-0.003 χ^2/NDF: 1622819.6/11

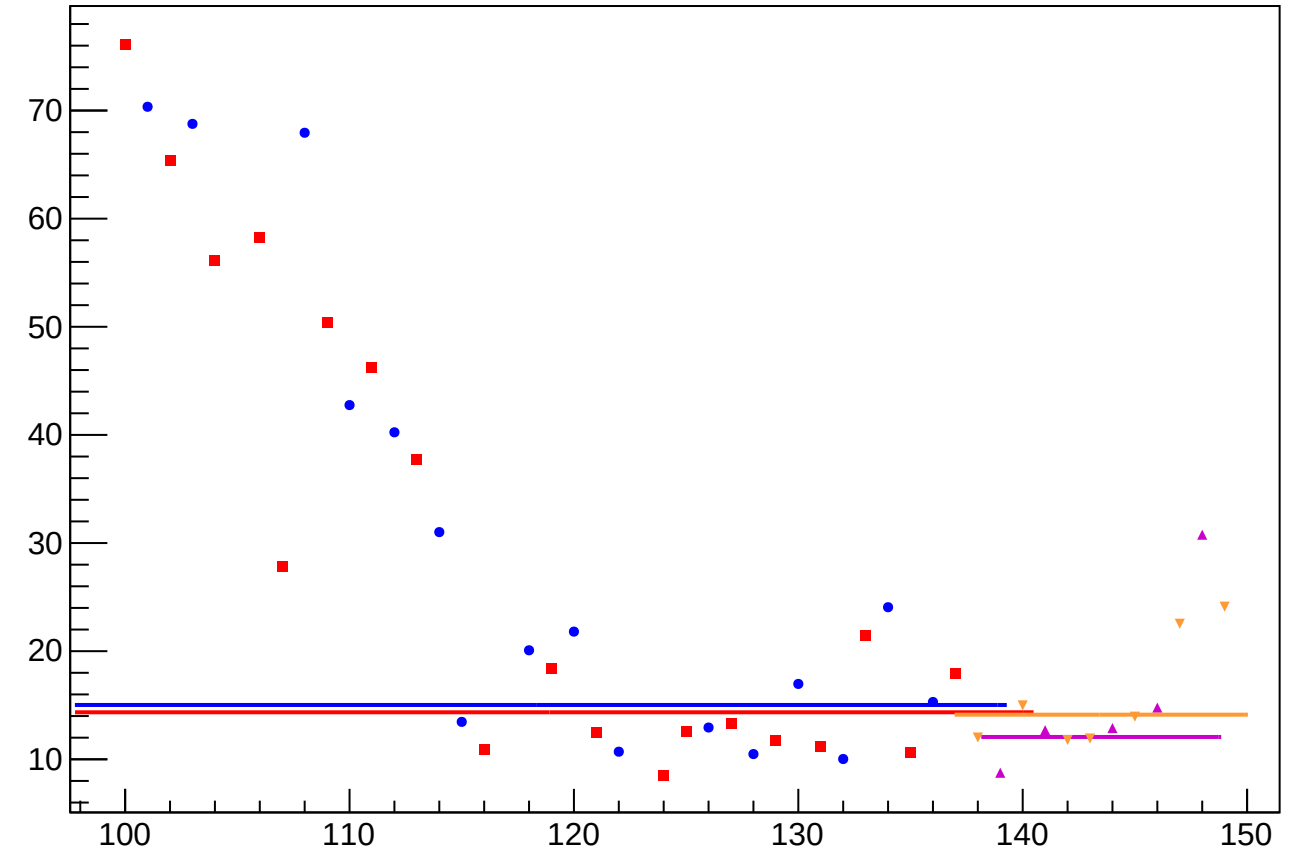
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.471+/-0.003 χ^2/NDF:4526833.6/20

Out: 14.240+/-0.003 χ^2/NDF:4265627.6/25

All: 13.862+/-0.002 χ^2/NDF: 8820398.6/46


asym_sam1_dit_vs_eigen_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:5.8/6
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: 20.3/11
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.005 χ²/NDF:26.5/20
Out: -0.000+/-0.005 χ²/NDF:21.9/25
All: -0.004+/-0.003 χ²/NDF: 49.5/46



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.128+/-0.005 χ^2/NDF:635445.0/6

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885585.9/4

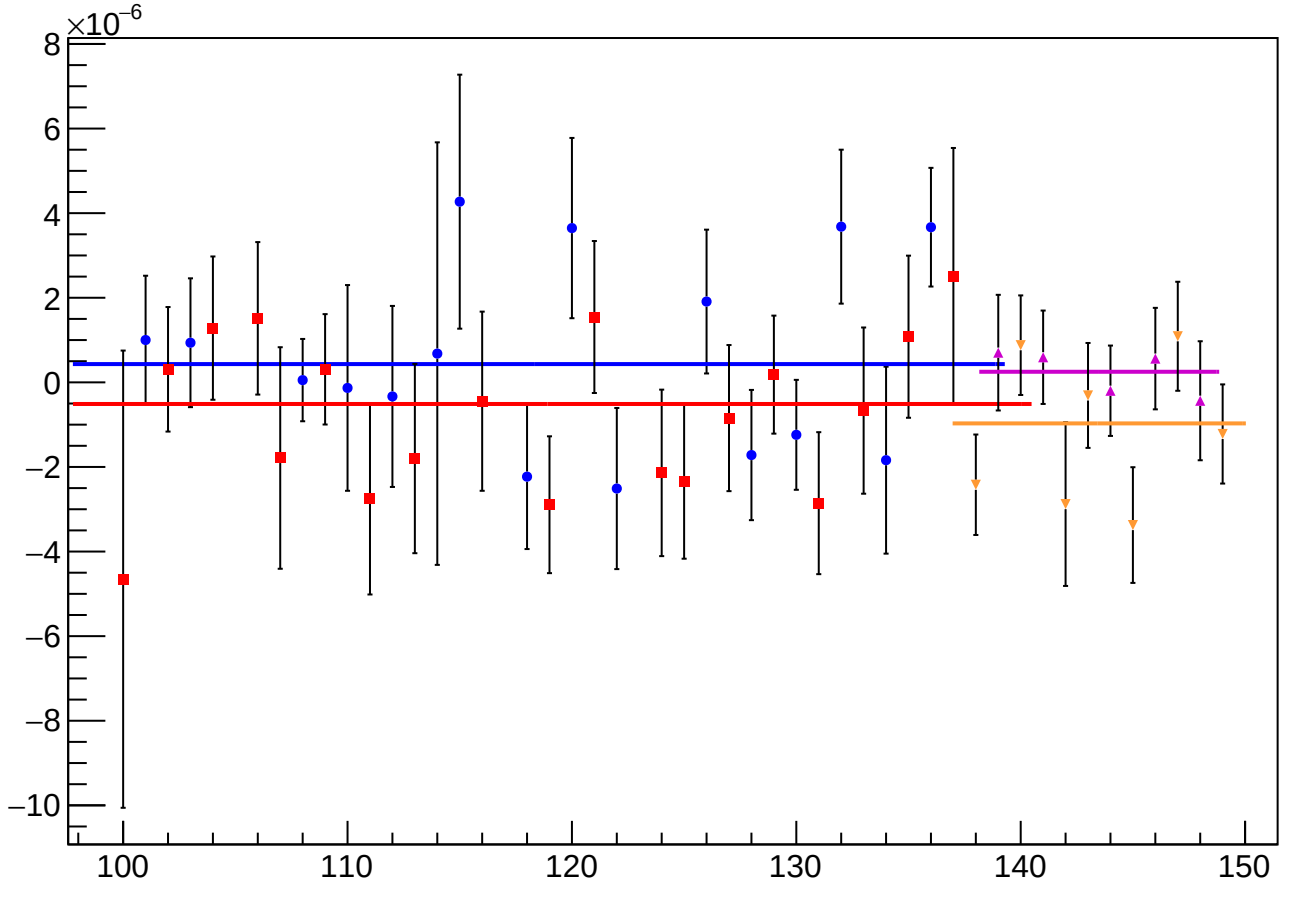
Left: 13.078+/-0.003 χ^2/NDF: 1622819.6/11

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.471+/-0.003 χ^2/NDF:4526833.6/20

Out: 14.240+/-0.003 χ^2/NDF:4265627.6/25

All: 13.862+/-0.002 χ^2/NDF: 8820398.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/4

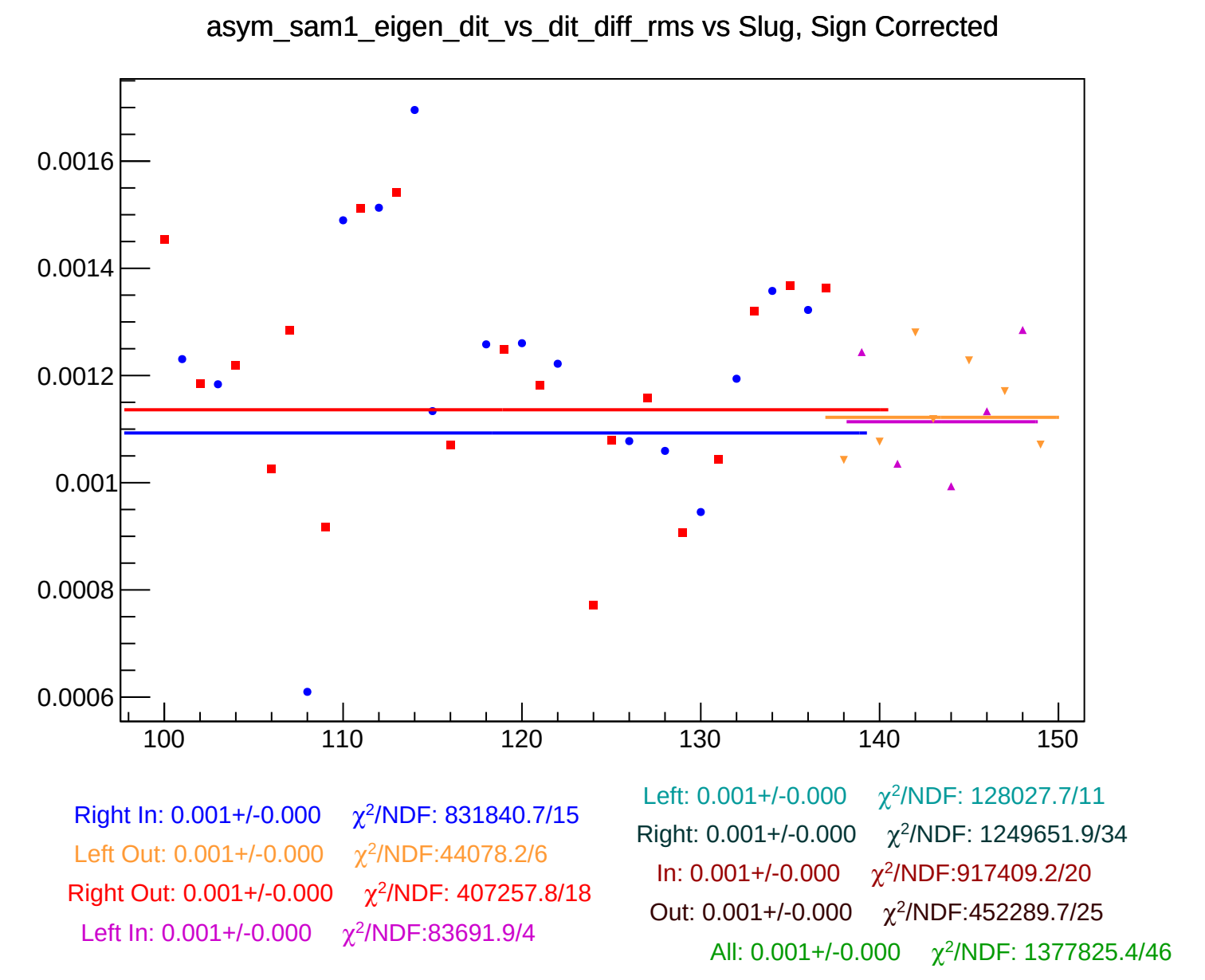
Left: -0.000+/-0.000 χ^2/NDF: 14.4/11

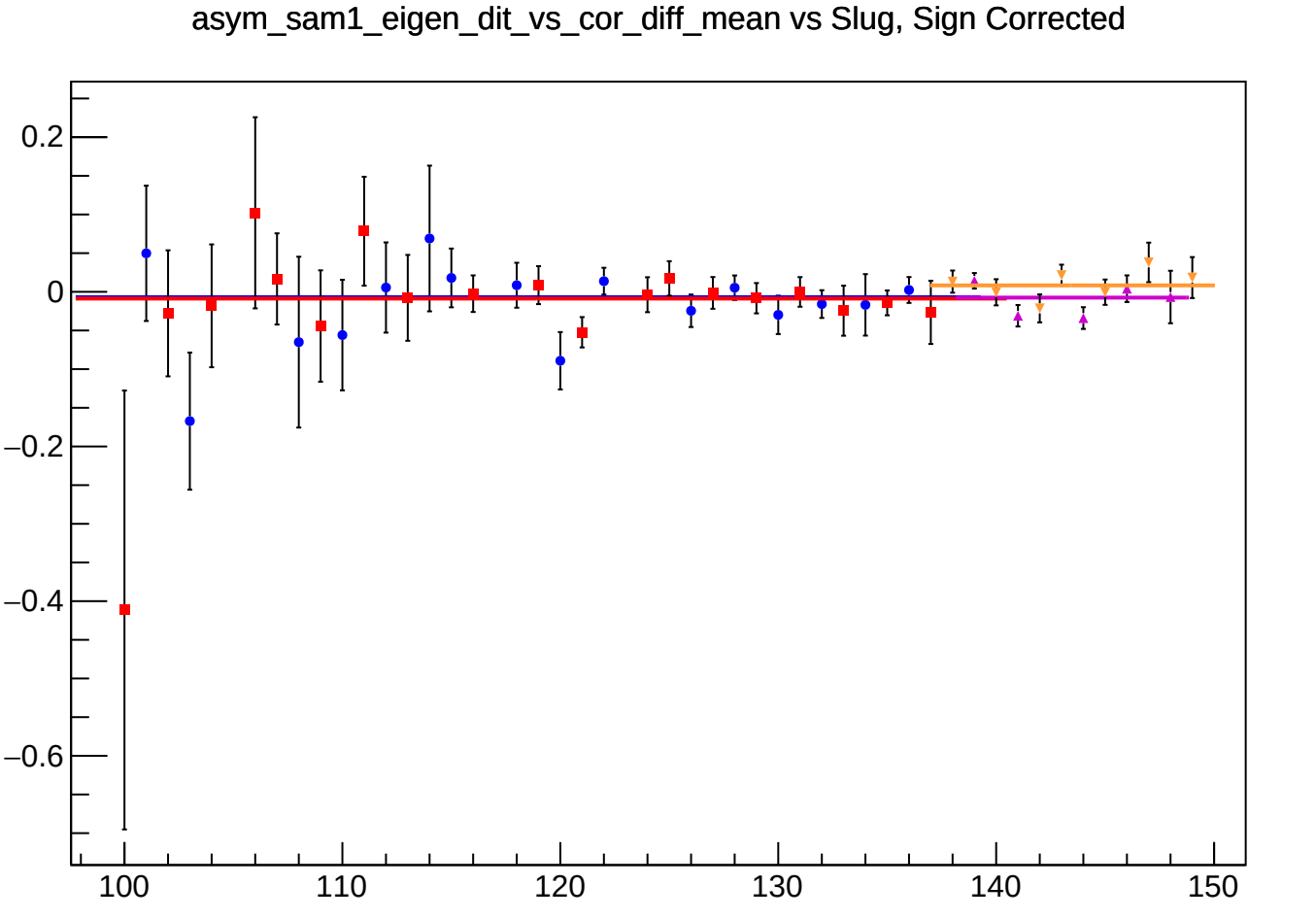
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

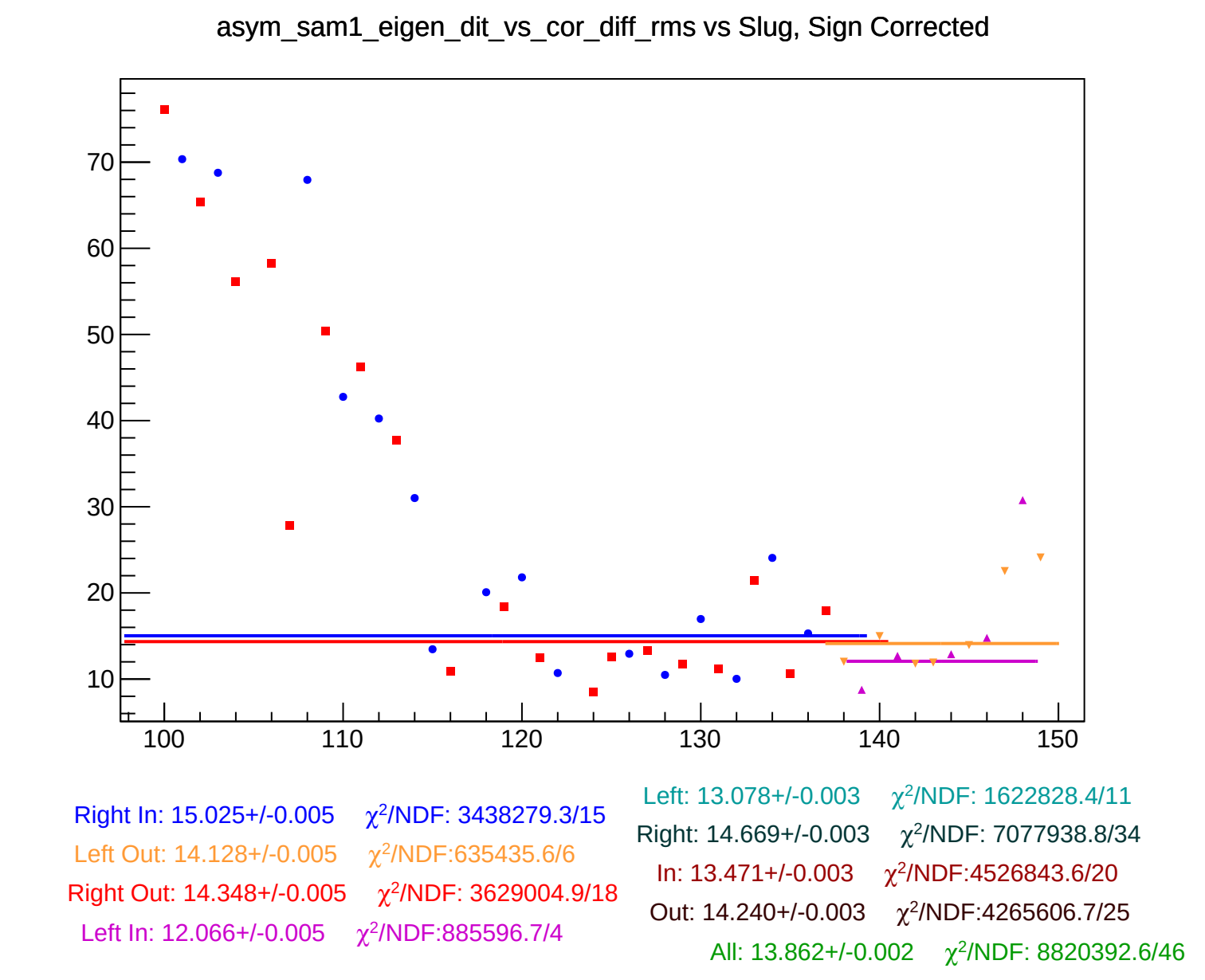
In: 0.000+/-0.000 χ^2/NDF:24.0/20

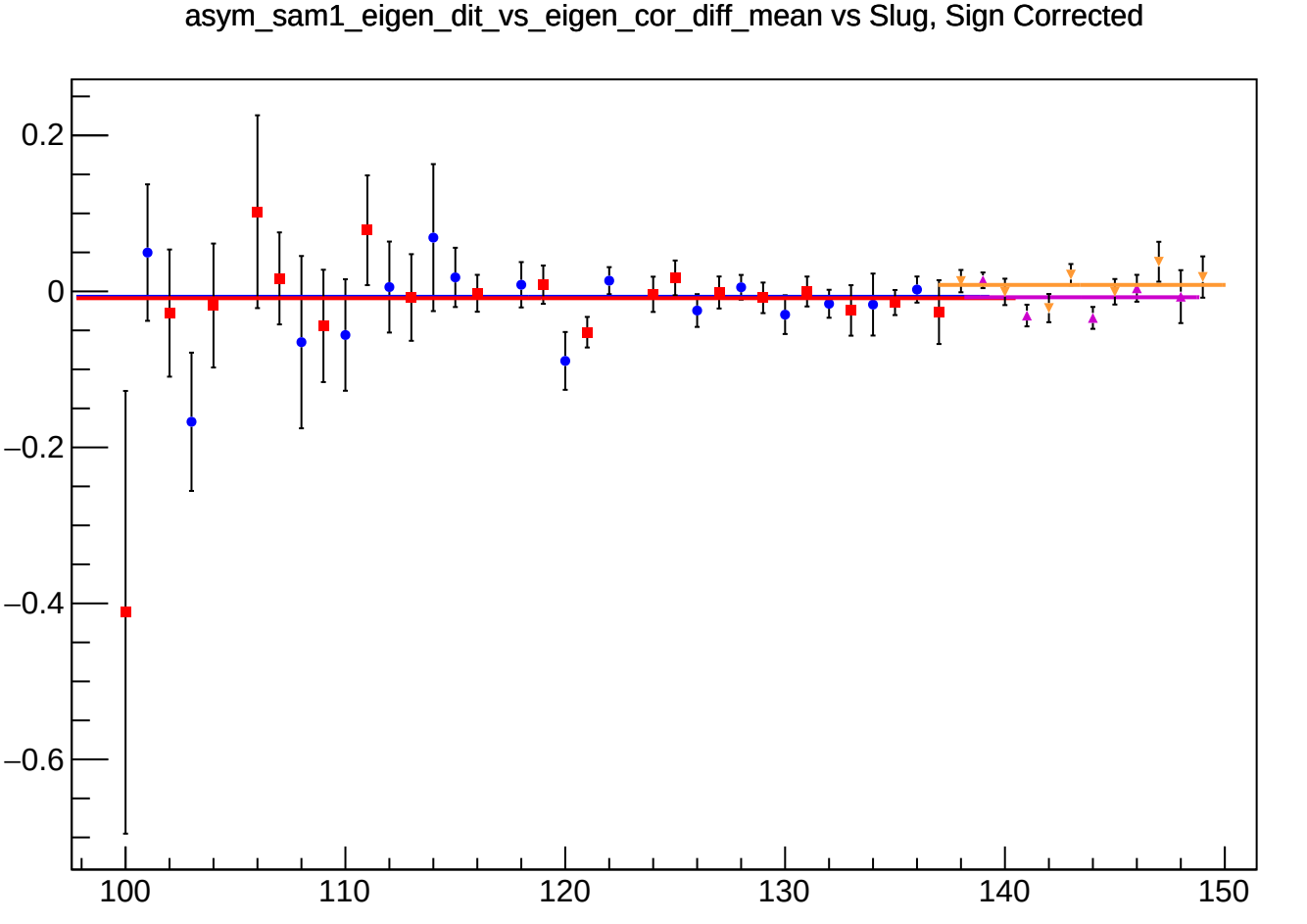
Out: -0.000+/-0.000 χ^2/NDF:25.7/25

All: -0.000+/-0.000 χ^2/NDF: 55.1/46


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:44078.2/6
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: 128027.7/11
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:452289.7/25
All: 0.001+/-0.000 χ²/NDF: 1377825.4/46


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:5.8/6
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: 20.3/11
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.005 χ²/NDF:26.5/20
Out: -0.000+/-0.005 χ²/NDF:21.9/25
All: -0.004+/-0.003 χ²/NDF: 49.5/46


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: 14.128+/-0.005 χ²/NDF:635435.6/6
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 12.066+/-0.005 χ²/NDF:885596.7/4
Left: 13.078+/-0.003 χ²/NDF: 1622828.4/11
Right: 14.669+/-0.003 χ²/NDF: 7077938.8/34
In: 13.471+/-0.003 χ²/NDF:4526843.6/20
Out: 14.240+/-0.003 χ²/NDF:4265606.7/25
All: 13.862+/-0.002 χ²/NDF: 8820392.6/46



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.8/6

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.006 χ^2/NDF:11.5/4

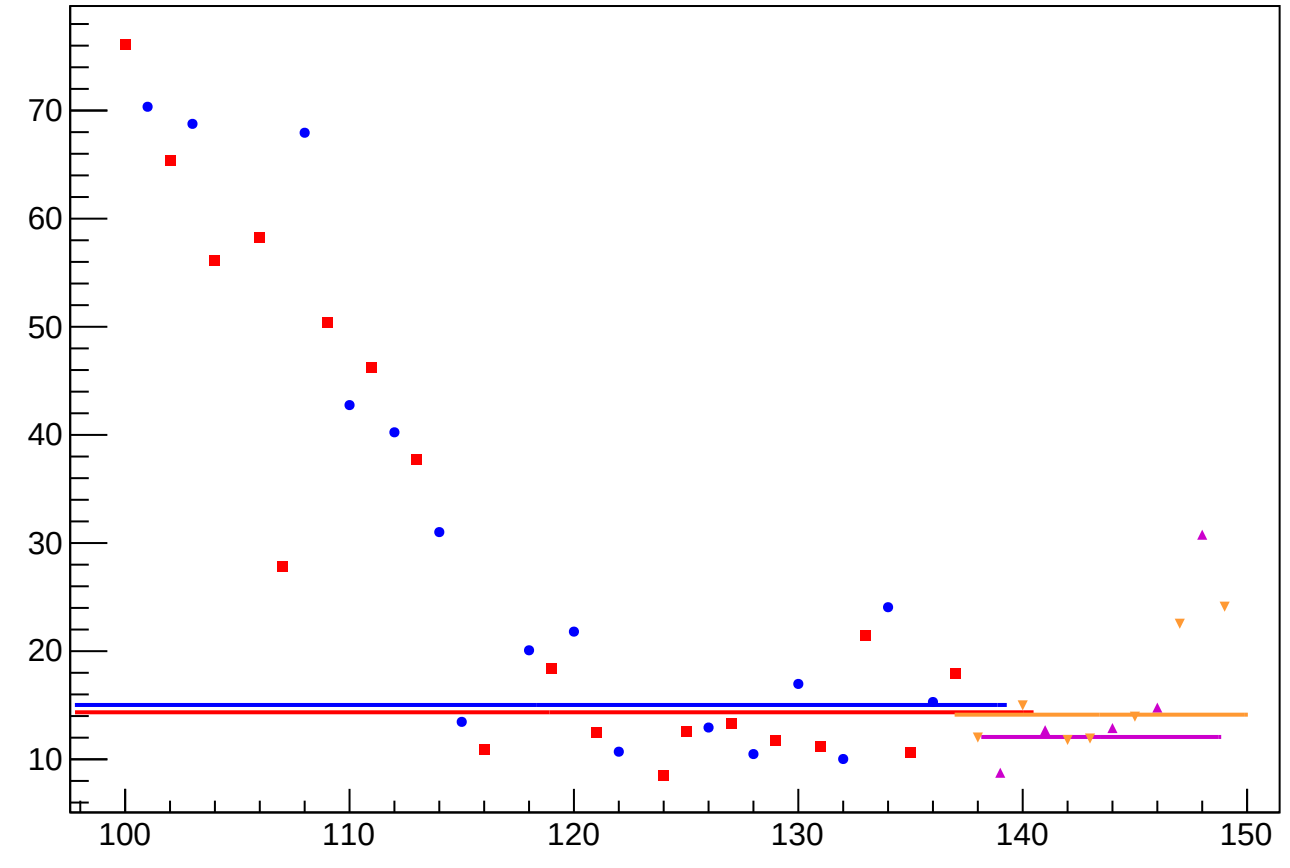
Left: 0.000+/-0.005 χ^2/NDF: 20.3/11

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/20

Out: -0.000+/-0.005 χ^2/NDF:21.9/25

All: -0.004+/-0.003 χ^2/NDF: 49.5/46



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.128+/-0.005 χ^2/NDF:635435.6/6

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.066+/-0.005 χ^2/NDF:885596.7/4

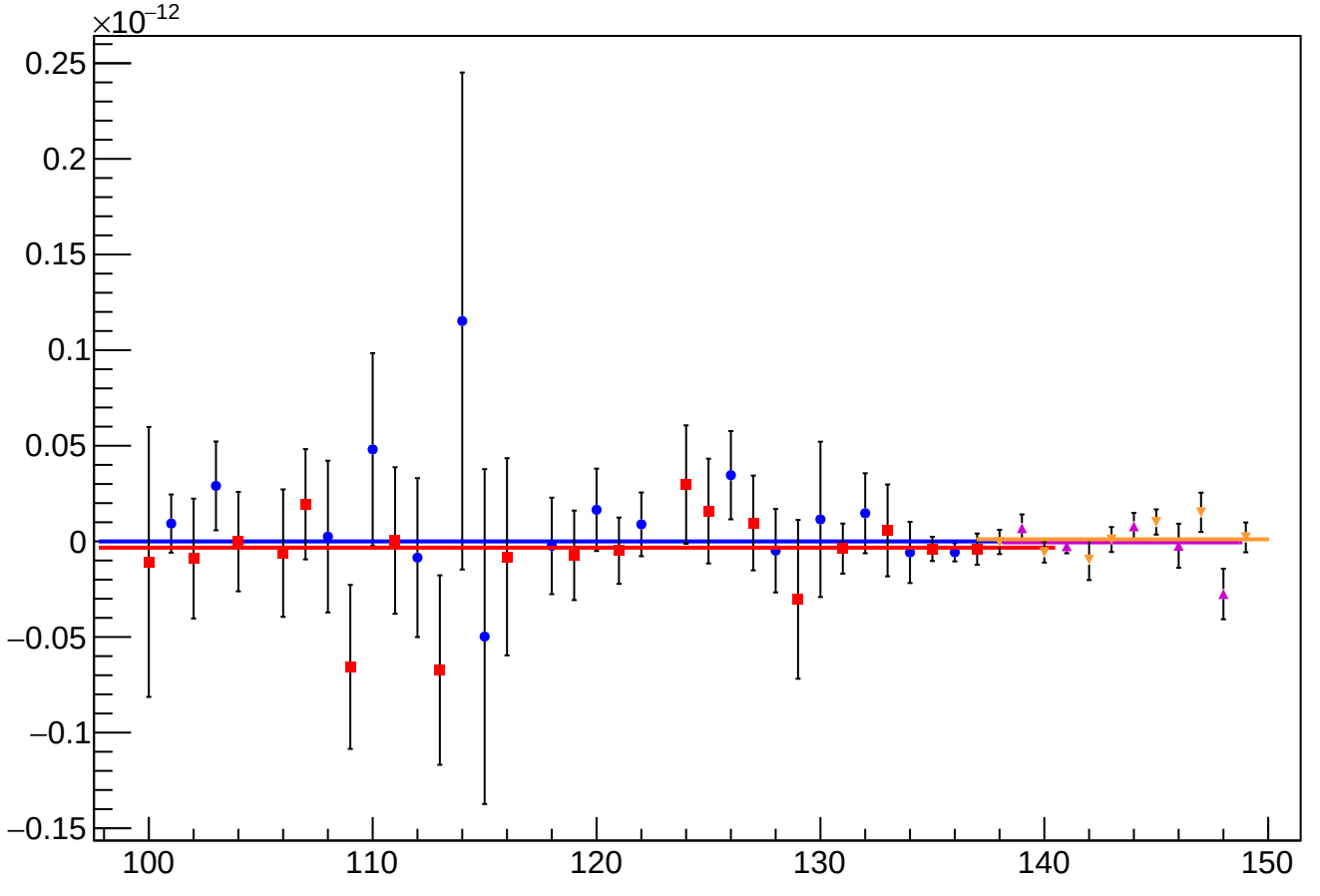
Left: 13.078+/-0.003 χ^2/NDF: 1622828.4/11

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.471+/-0.003 χ^2/NDF:4526843.6/20

Out: 14.240+/-0.003 χ^2/NDF:4265606.7/25

All: 13.862+/-0.002 χ^2/NDF: 8820392.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/4

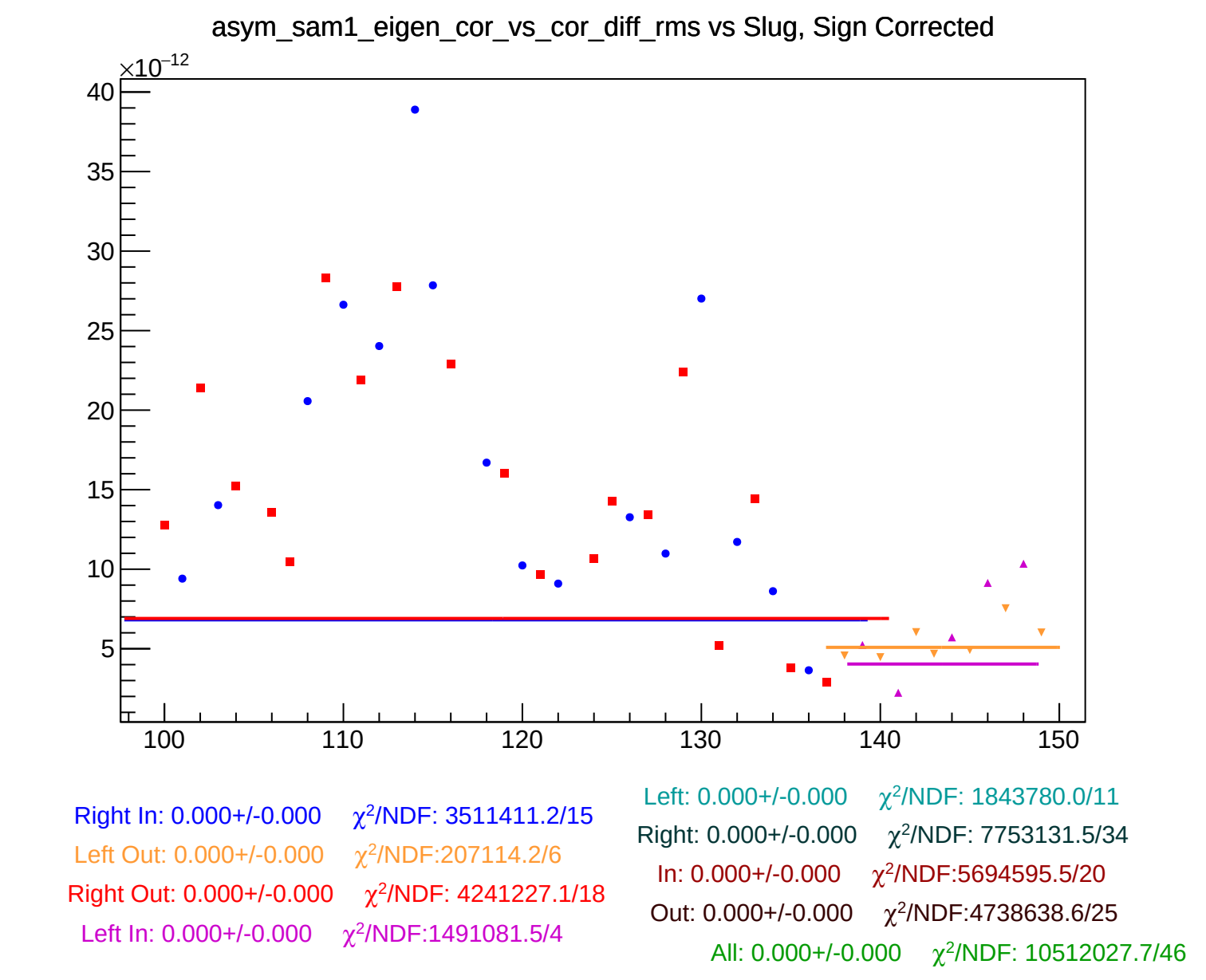
Left: 0.000+/-0.000 χ^2/NDF: 13.5/11

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:14.2/25

All: -0.000+/-0.000 χ^2/NDF: 30.5/46


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
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25
20
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10
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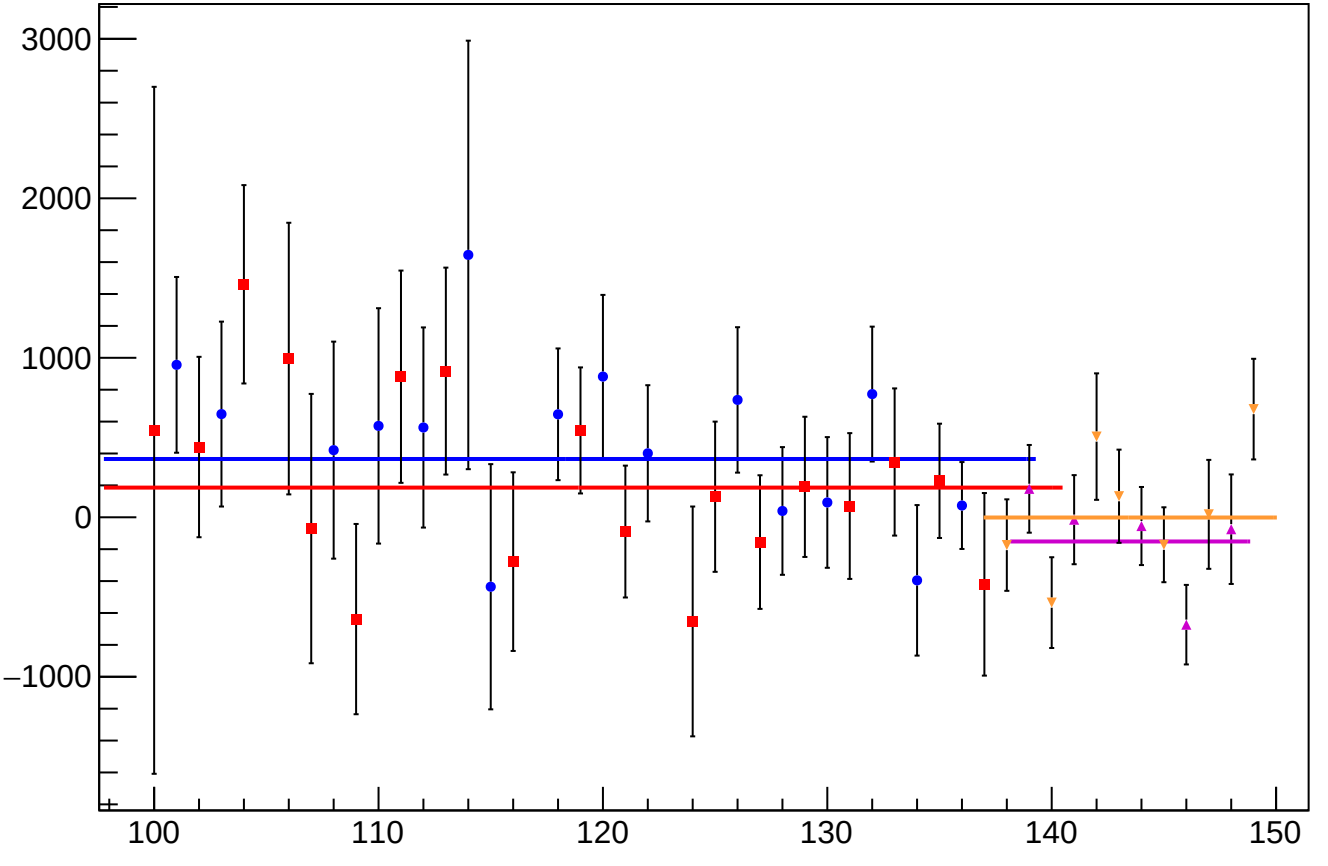
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:207114.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1491081.5/4
Left: 0.000+/-0.000 χ²/NDF: 1843780.0/11
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5694595.5/20
Out: 0.000+/-0.000 χ²/NDF:4738638.6/25
All: 0.000+/-0.000 χ²/NDF: 10512027.7/46

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -1.376+/-112.281 χ^2/NDF:10.9/6

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: -70.360+/-82.592 χ^2/NDF: 18.0/11

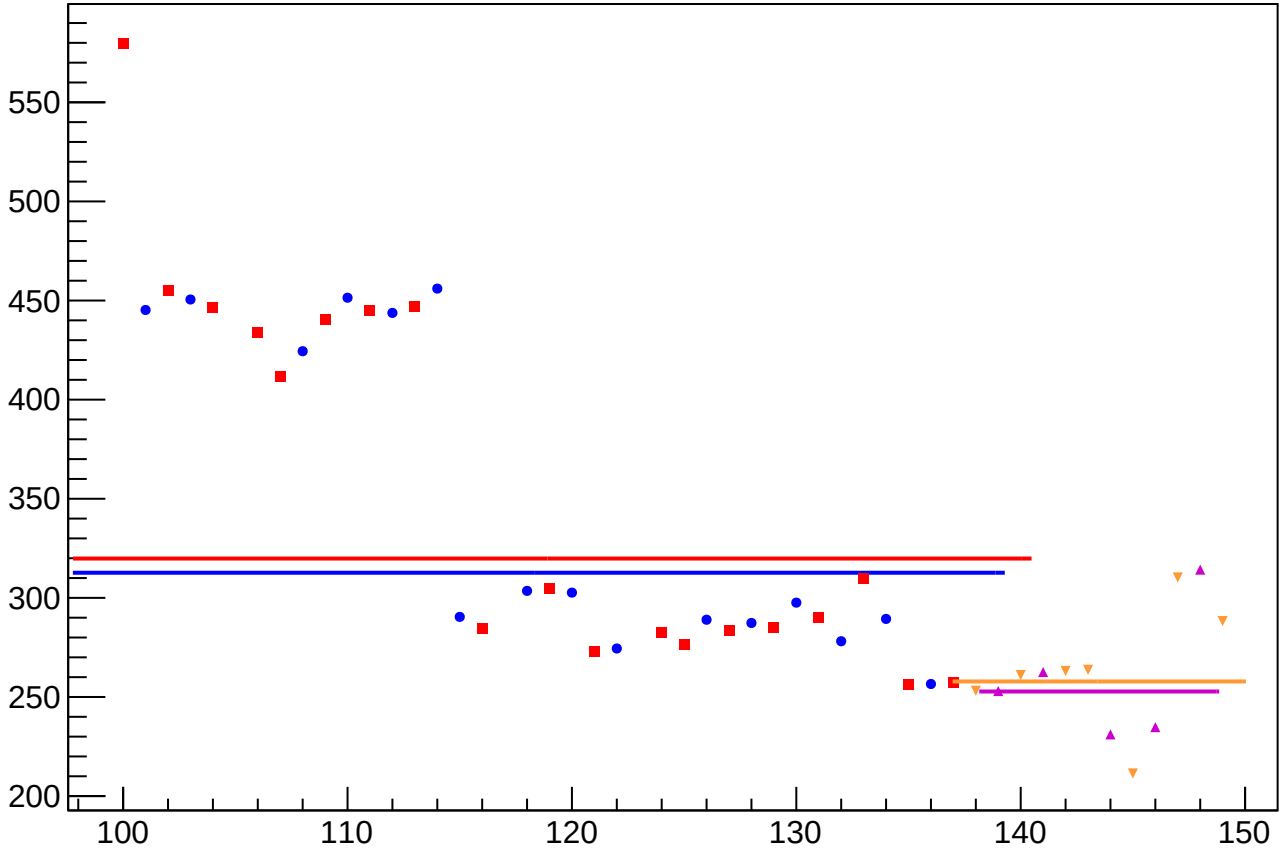
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 113.464+/-85.112 χ^2/NDF:27.0/20

Out: 86.012+/-82.048 χ^2/NDF:27.2/25

All: 99.235+/-59.070 χ^2/NDF: 54.2/46

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 257.830+/-0.079 χ^2/NDF:145918.5/6

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

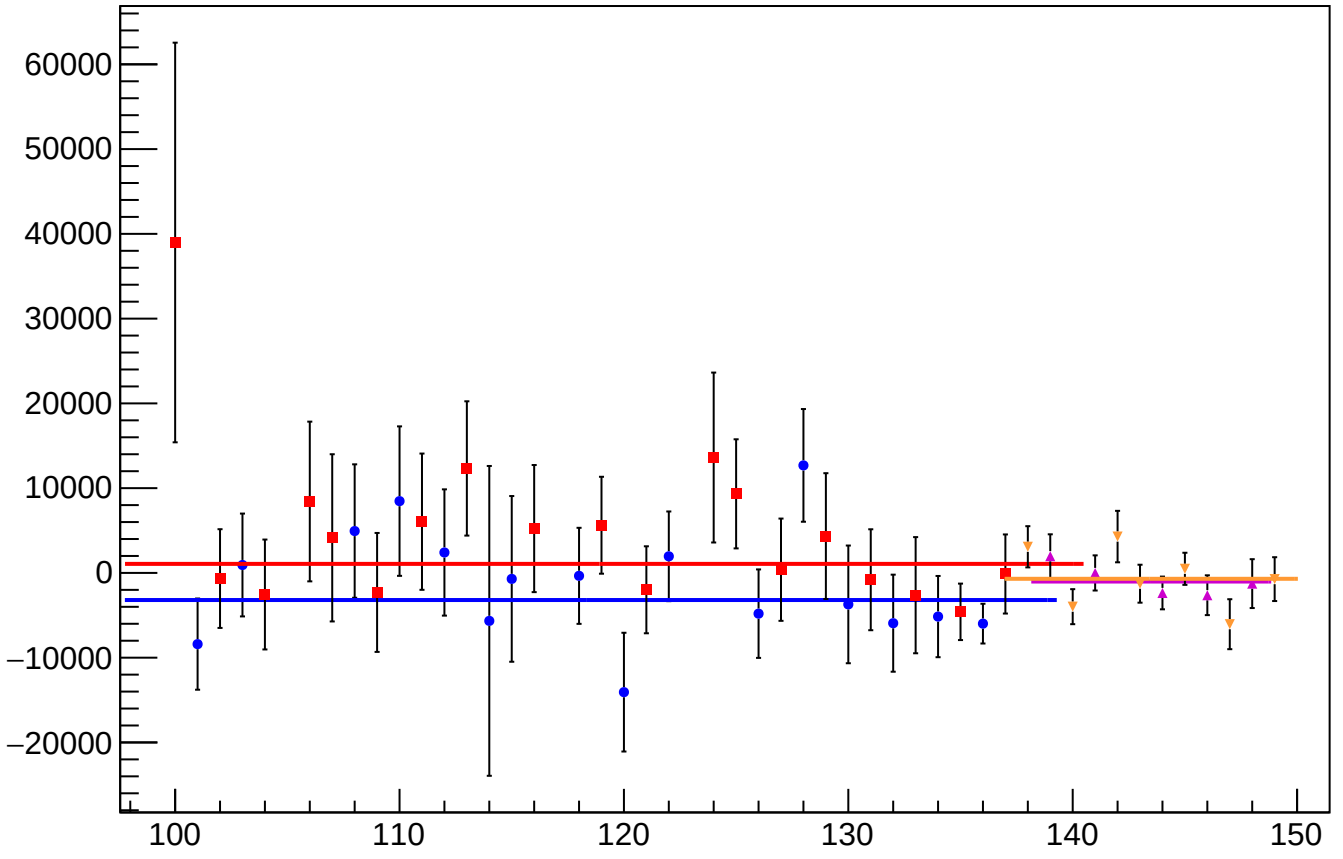
Left: 255.508+/-0.058 χ^2/NDF: 240365.3/11

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 283.485+/-0.060 χ^2/NDF:942379.7/20

Out: 286.729+/-0.058 χ^2/NDF:1128083.1/25

All: 285.166+/-0.042 χ^2/NDF: 2071969.0/46



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -694.105+/-892.566 χ^2/NDF:11.4/6

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -1017.124+/-1024.670 χ^2/NDF:2.5/4

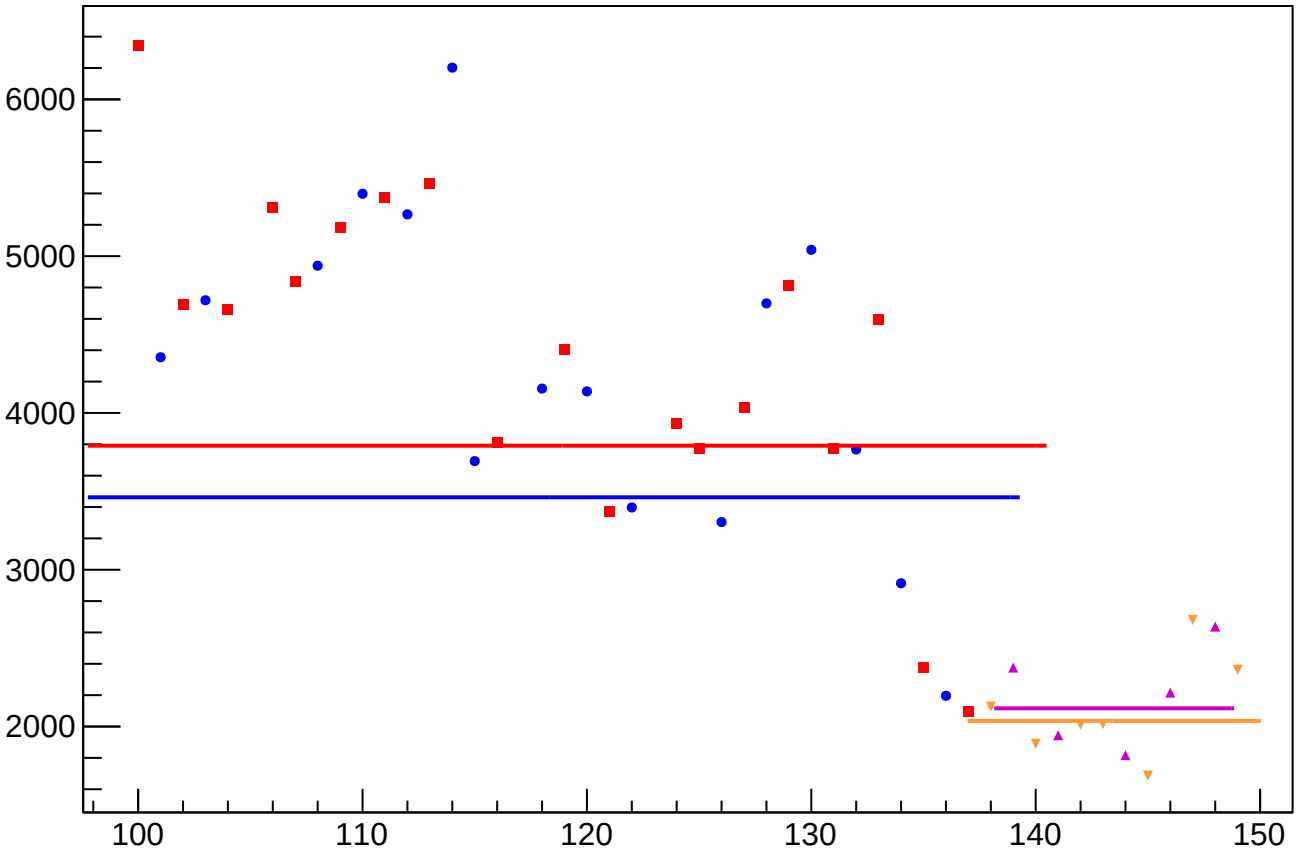
Left: -833.463+/-673.031 χ^2/NDF: 14.0/11

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1811.705+/-817.031 χ^2/NDF:20.3/20

Out: -207.213+/-759.135 χ^2/NDF:26.9/25

All: -950.602+/-556.132 χ^2/NDF: 49.2/46



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2035.790+/-0.631 χ^2/NDF:208132.1/6

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: 2070.390+/-0.476 χ^2/NDF: 366125.4/11

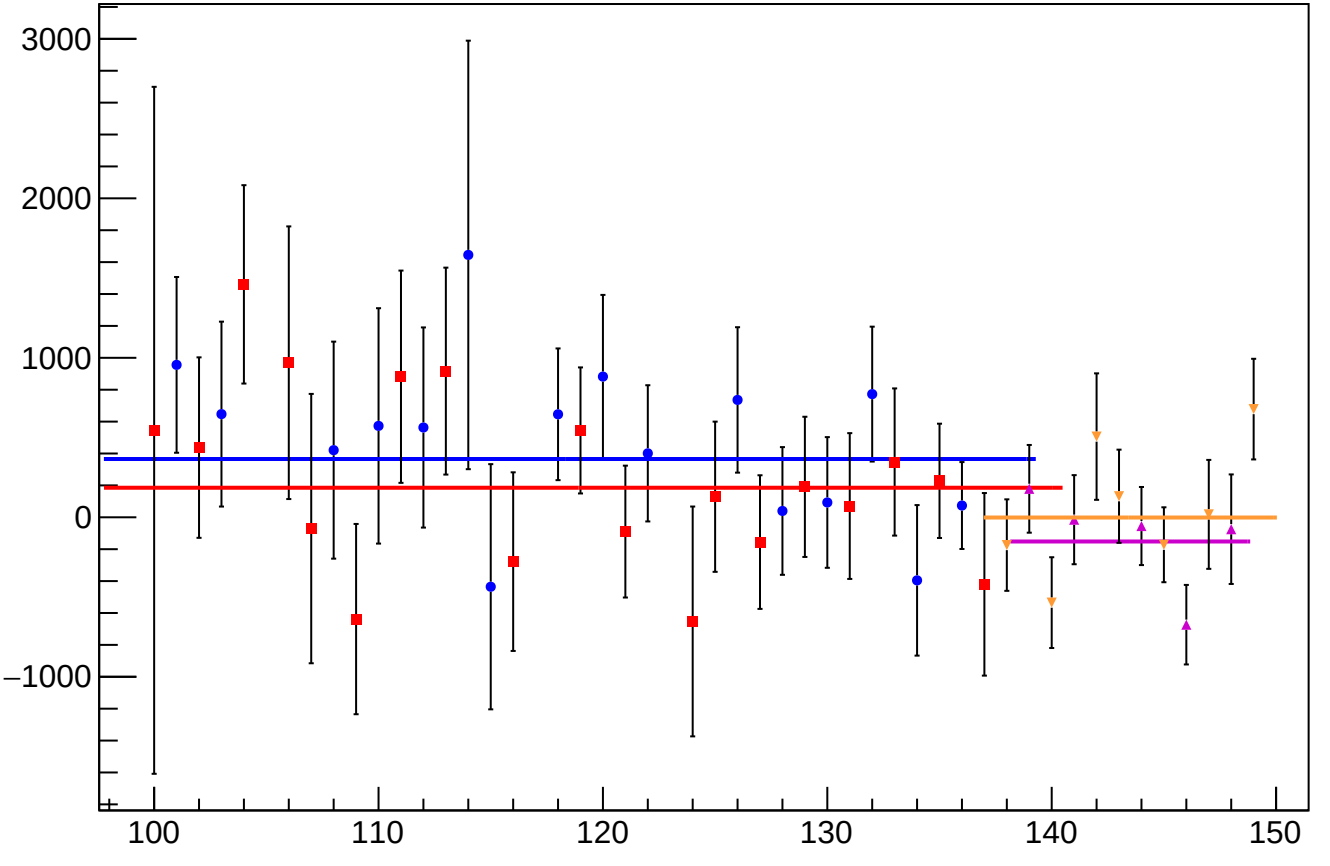
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2606.203+/-0.578 χ^2/NDF:2717419.6/20

Out: 2521.402+/-0.537 χ^2/NDF:3503913.1/25

All: 2560.692+/-0.393 χ^2/NDF: 6232895.9/46

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -1.374+/-112.281 χ^2/NDF:10.9/6

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: -70.355+/-82.592 χ^2/NDF: 18.0/11

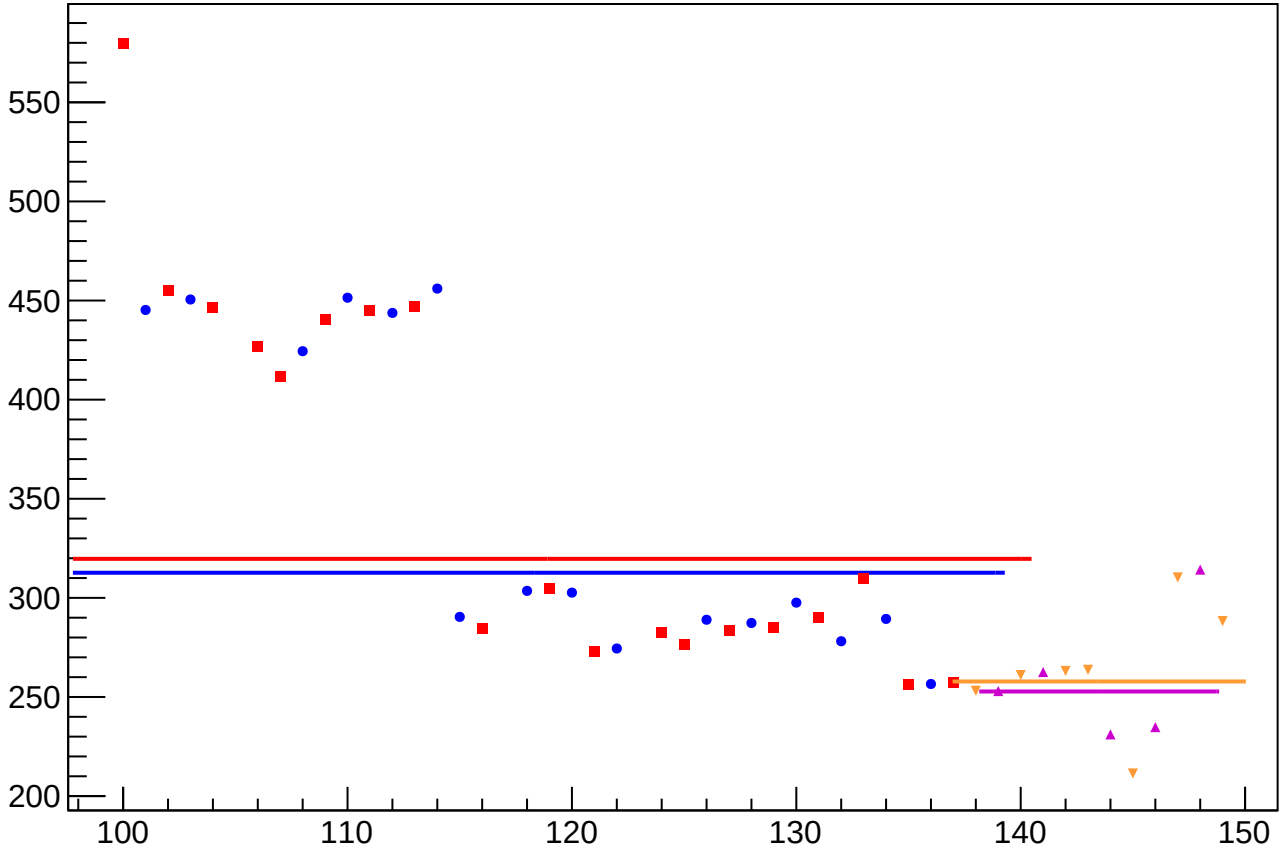
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 113.460+/-85.112 χ^2/NDF:27.0/20

Out: 85.627+/-82.051 χ^2/NDF:27.1/25

All: 99.034+/-59.072 χ^2/NDF: 54.2/46

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 257.830+/-0.079 χ^2/NDF:145918.5/6

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

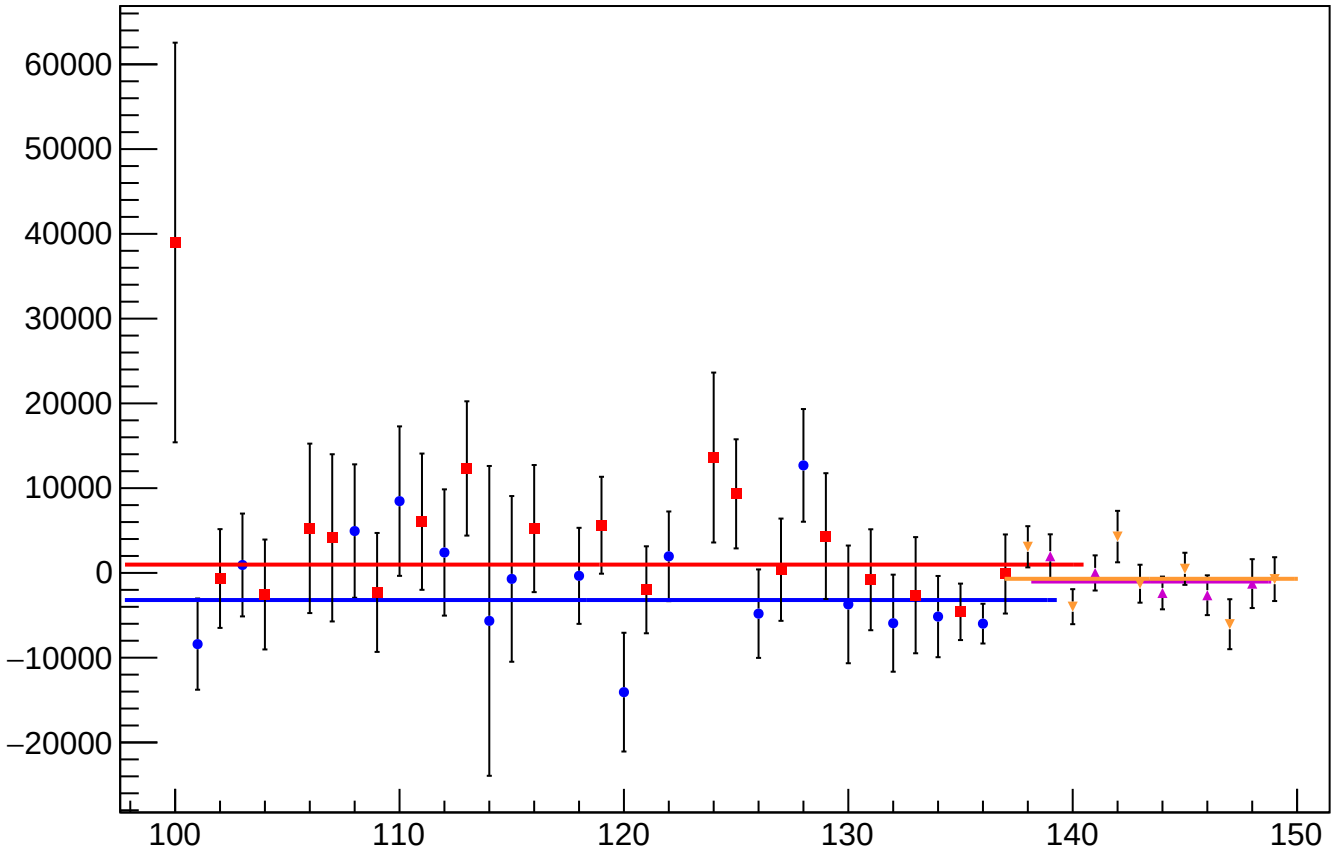
Left: 255.509+/-0.058 χ^2/NDF: 240365.3/11

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.485+/-0.060 χ^2/NDF:942381.3/20

Out: 286.657+/-0.058 χ^2/NDF:1122534.5/25

All: 285.129+/-0.042 χ^2/NDF: 2066355.9/46



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -694.099+/-892.566 χ^2/NDF:11.4/6

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -1017.088+/-1024.670 χ^2/NDF:2.5/4

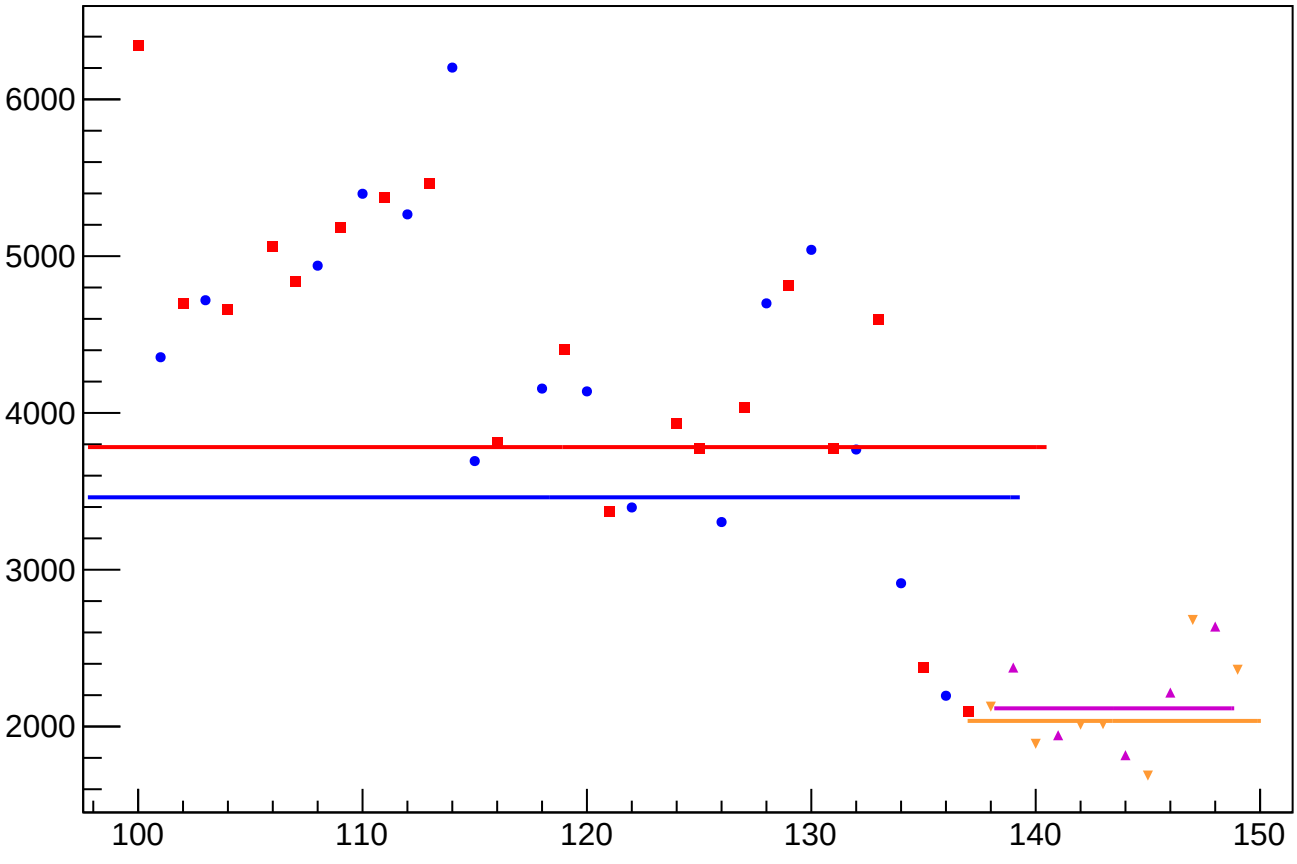
Left: -833.444+/-673.031 χ^2/NDF: 14.0/11

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1811.655+/-817.032 χ^2/NDF:20.3/20

Out: -231.623+/-759.416 χ^2/NDF:26.3/25

All: -963.970+/-556.243 χ^2/NDF: 48.6/46



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2035.789+/-0.631 χ^2/NDF:208132.8/6

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

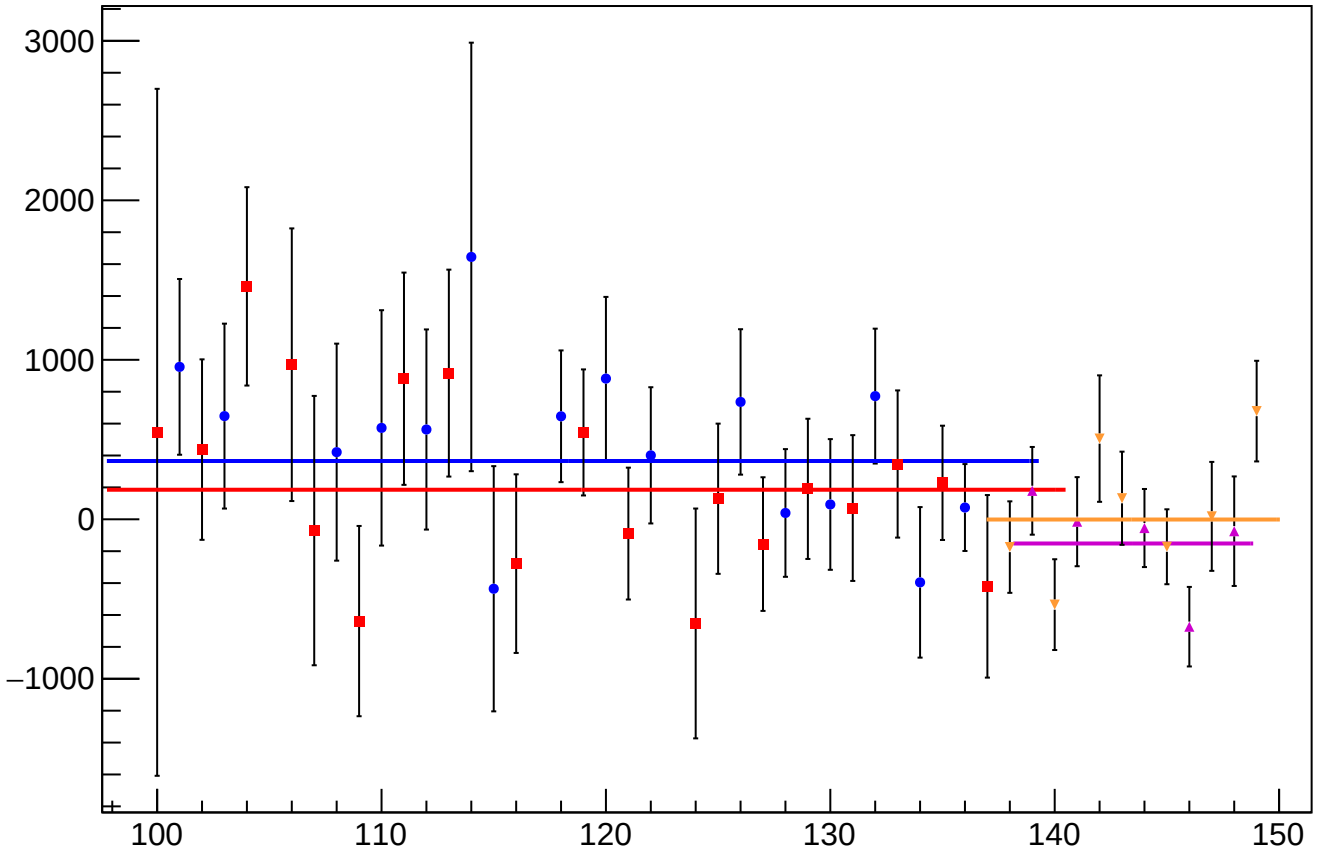
Left: 2070.390+/-0.476 χ^2/NDF: 366126.4/11

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2606.204+/-0.578 χ^2/NDF:2717440.2/20

Out: 2517.965+/-0.537 χ^2/NDF:3458429.1/25

All: 2558.864+/-0.393 χ^2/NDF: 6188384.6/46



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -1.374+/-112.281 χ^2/NDF:10.9/6

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: -70.355+/-82.592 χ^2/NDF: 18.0/11

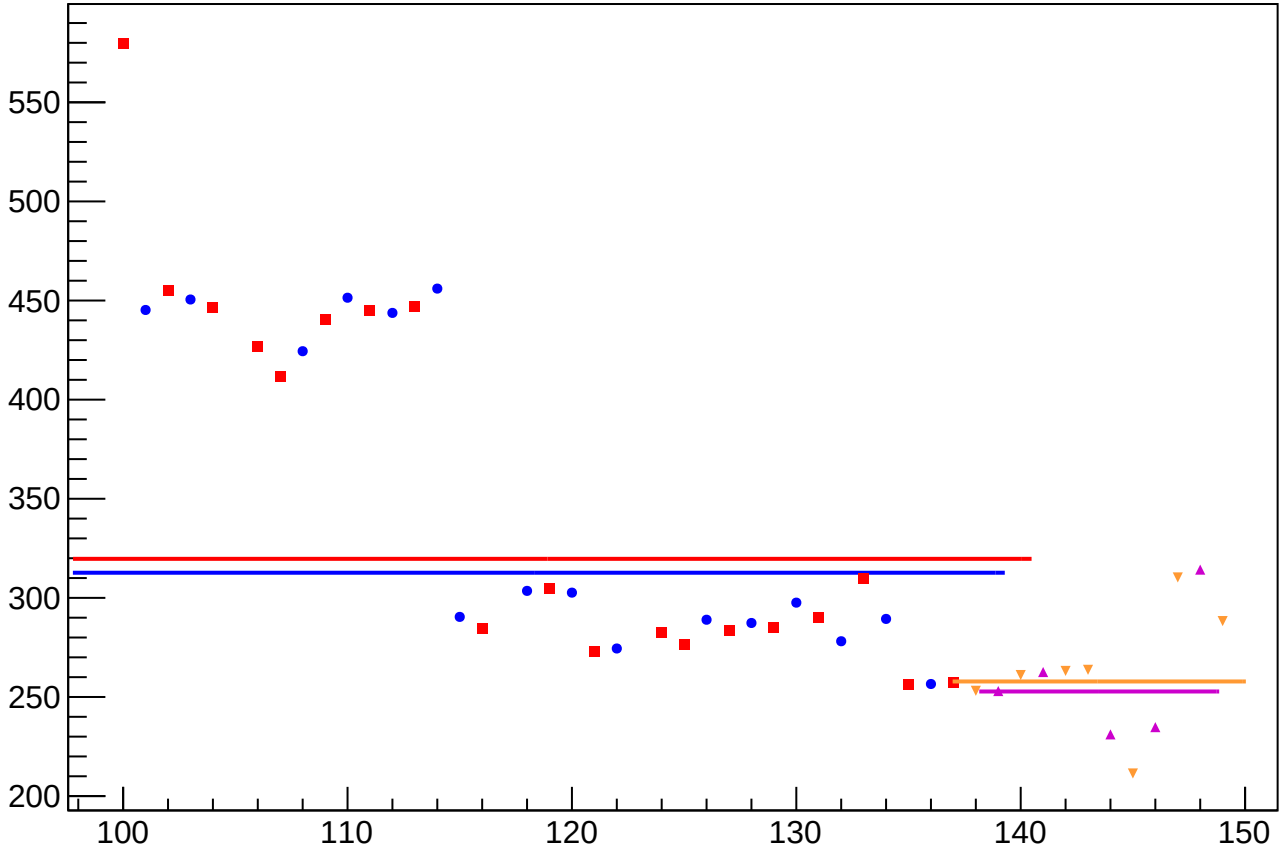
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 113.460+/-85.112 χ^2/NDF:27.0/20

Out: 85.627+/-82.051 χ^2/NDF:27.1/25

All: 99.034+/-59.072 χ^2/NDF: 54.2/46

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 257.830+/-0.079 χ^2/NDF:145918.5/6

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 252.771+/-0.086 χ^2/NDF:92583.3/4

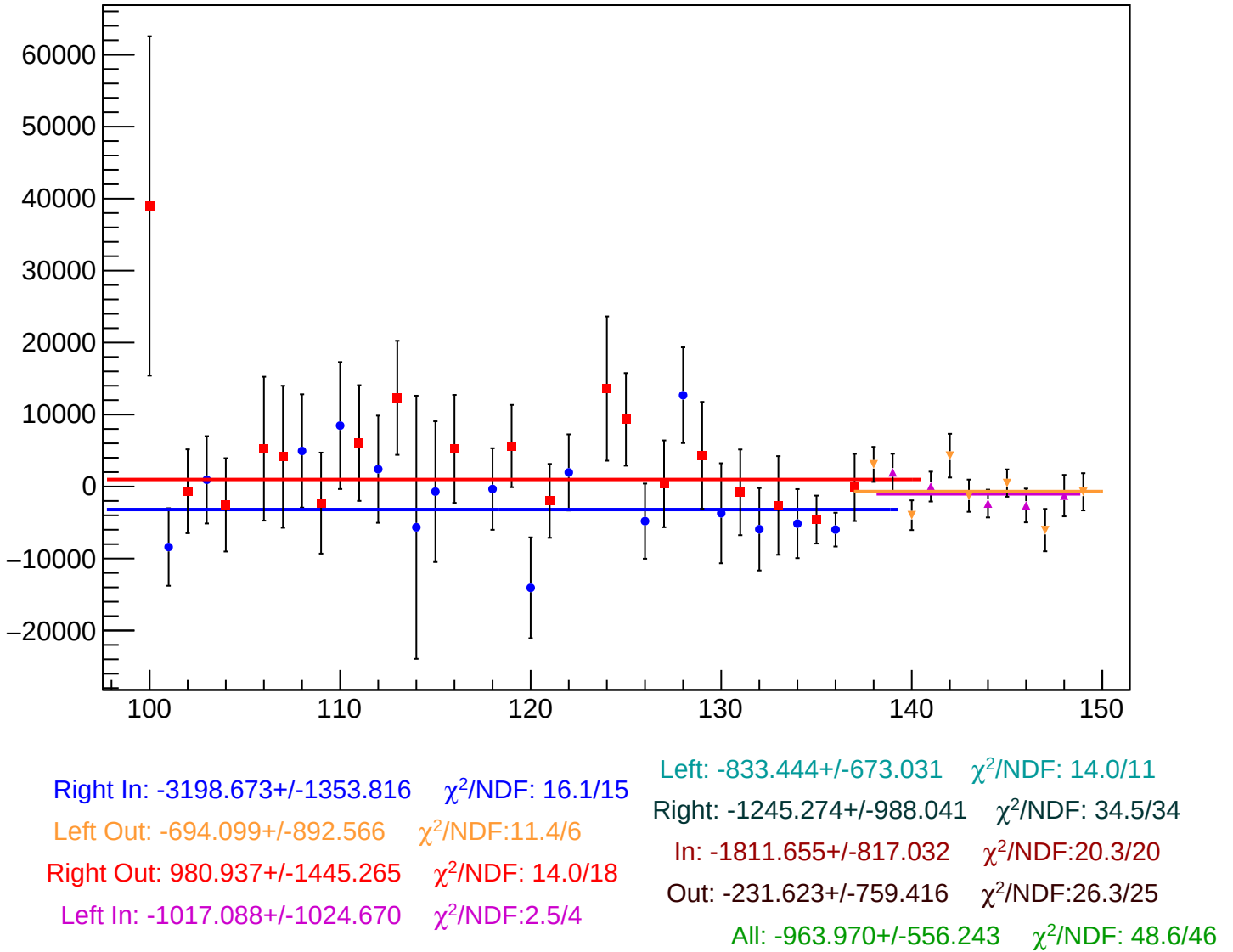
Left: 255.509+/-0.058 χ^2/NDF: 240365.3/11

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.485+/-0.060 χ^2/NDF:942381.3/20

Out: 286.657+/-0.058 χ^2/NDF:1122534.5/25

All: 285.129+/-0.042 χ^2/NDF: 2066355.9/46


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
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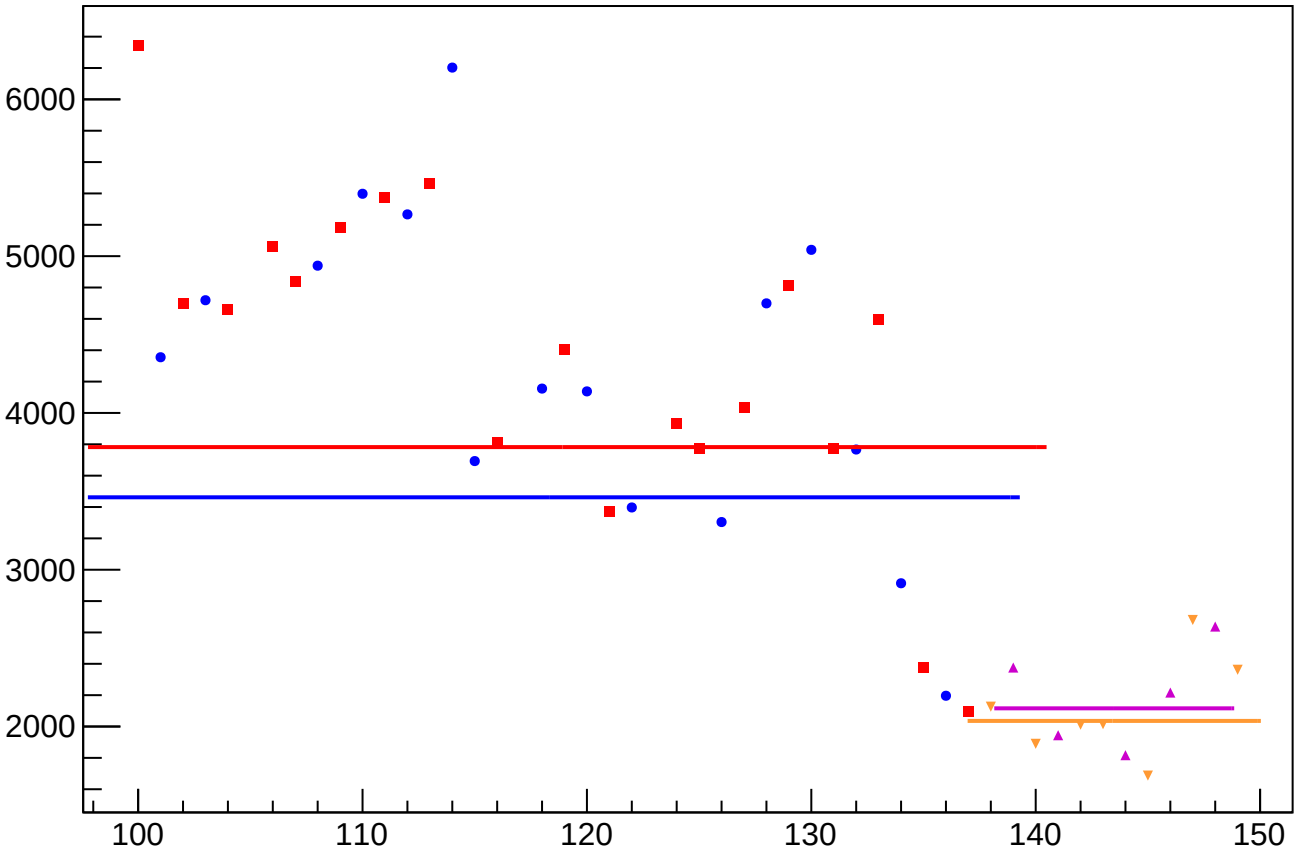
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -694.099+/-892.566 χ²/NDF:11.4/6
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -1017.088+/-1024.670 χ²/NDF:2.5/4
Left: -833.444+/-673.031 χ²/NDF: 14.0/11
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1811.655+/-817.032 χ²/NDF:20.3/20
Out: -231.623+/-759.416 χ²/NDF:26.3/25
All: -963.970+/-556.243 χ²/NDF: 48.6/46



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2035.789+/-0.631 χ^2/NDF:208132.8/6

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2115.991+/-0.725 χ^2/NDF:151026.9/4

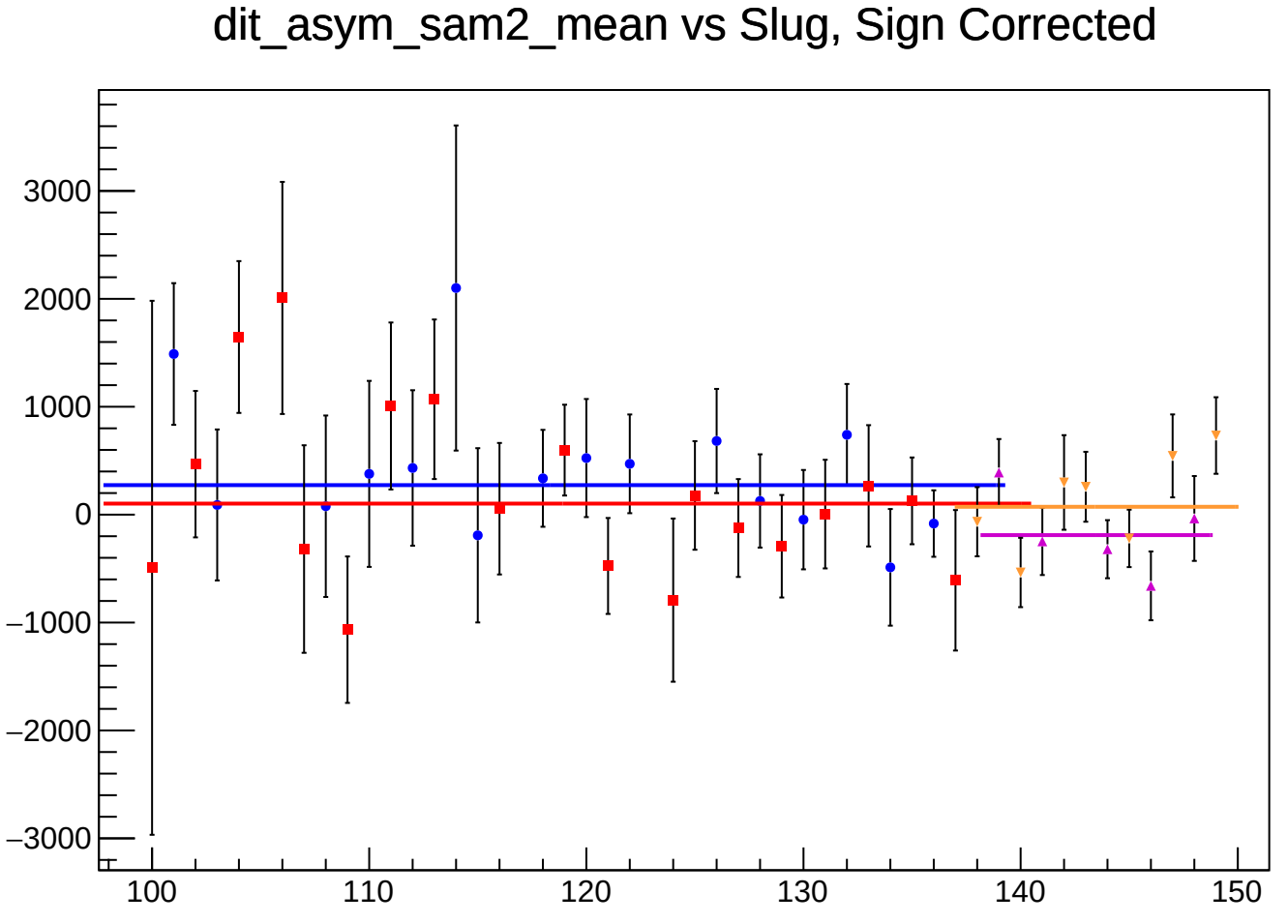
Left: 2070.390+/-0.476 χ^2/NDF: 366126.4/11

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2606.204+/-0.578 χ^2/NDF:2717440.2/20

Out: 2517.965+/-0.537 χ^2/NDF:3458429.1/25

All: 2558.864+/-0.393 χ^2/NDF: 6188384.6/46



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: 72.835+/-126.003 χ^2/NDF:10.6/6

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: -44.297+/-93.764 χ^2/NDF: 18.6/11

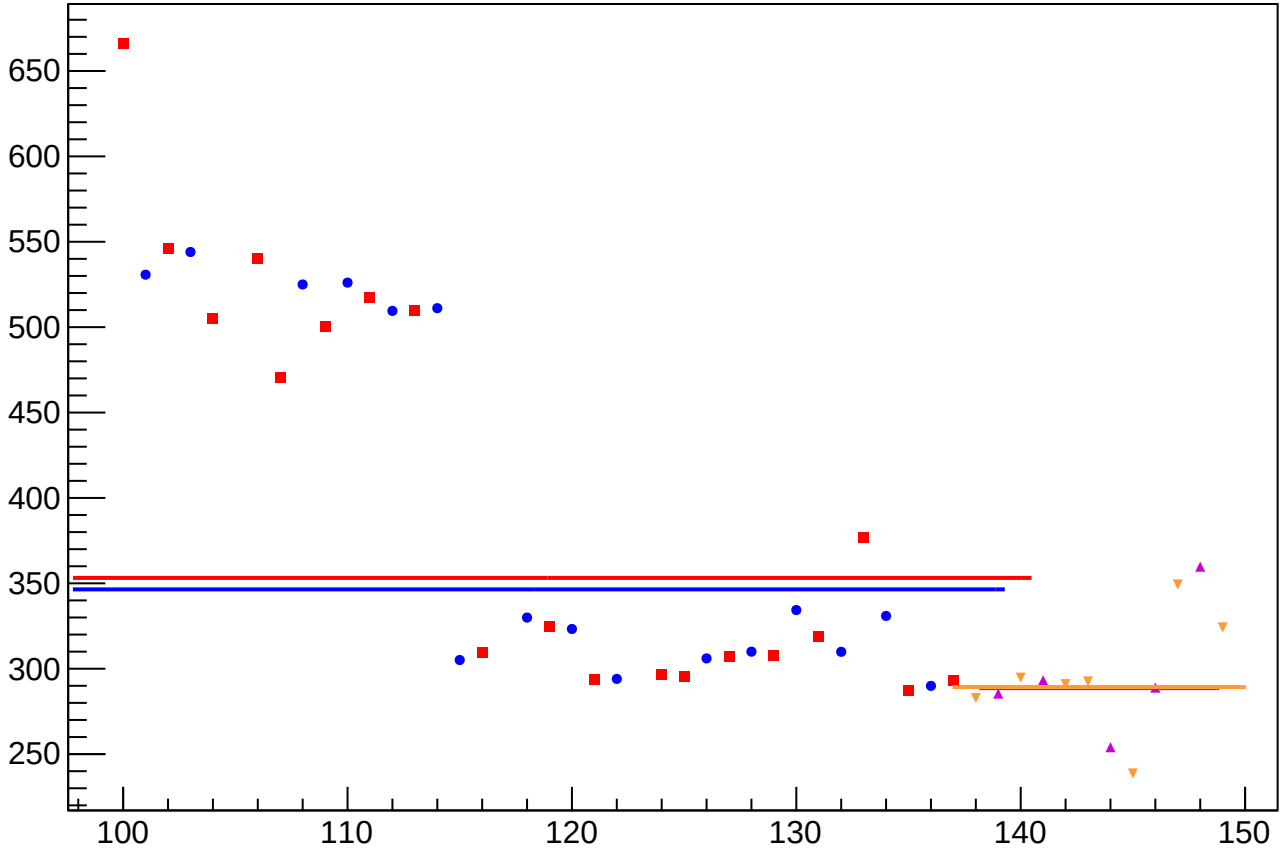
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 55.235+/-96.365 χ^2/NDF:23.3/20

Out: 86.738+/-91.668 χ^2/NDF:31.9/25

All: 71.773+/-66.417 χ^2/NDF: 55.2/46

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.266+/-0.089 χ^2/NDF:142037.3/6

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 288.651+/-0.099 χ^2/NDF:99146.0/4

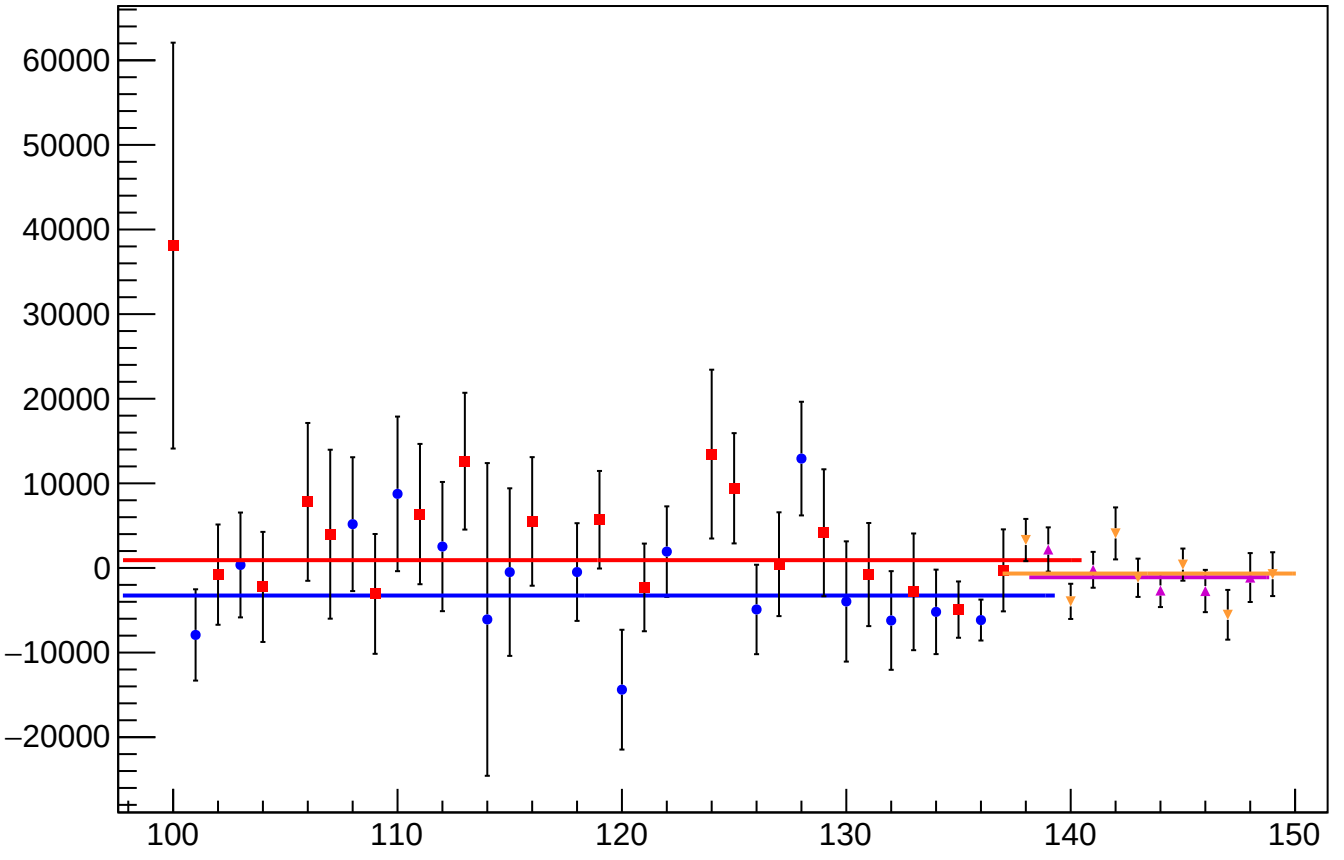
Left: 288.992+/-0.066 χ^2/NDF: 241204.6/11

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.209+/-0.068 χ^2/NDF:1047225.0/20

Out: 319.352+/-0.065 χ^2/NDF:1250619.9/25

All: 319.284+/-0.047 χ^2/NDF: 2297847.2/46



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -660.520+/-899.690 χ^2/NDF:10.5/6

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -1097.585+/-1048.187 χ^2/NDF:2.8/4

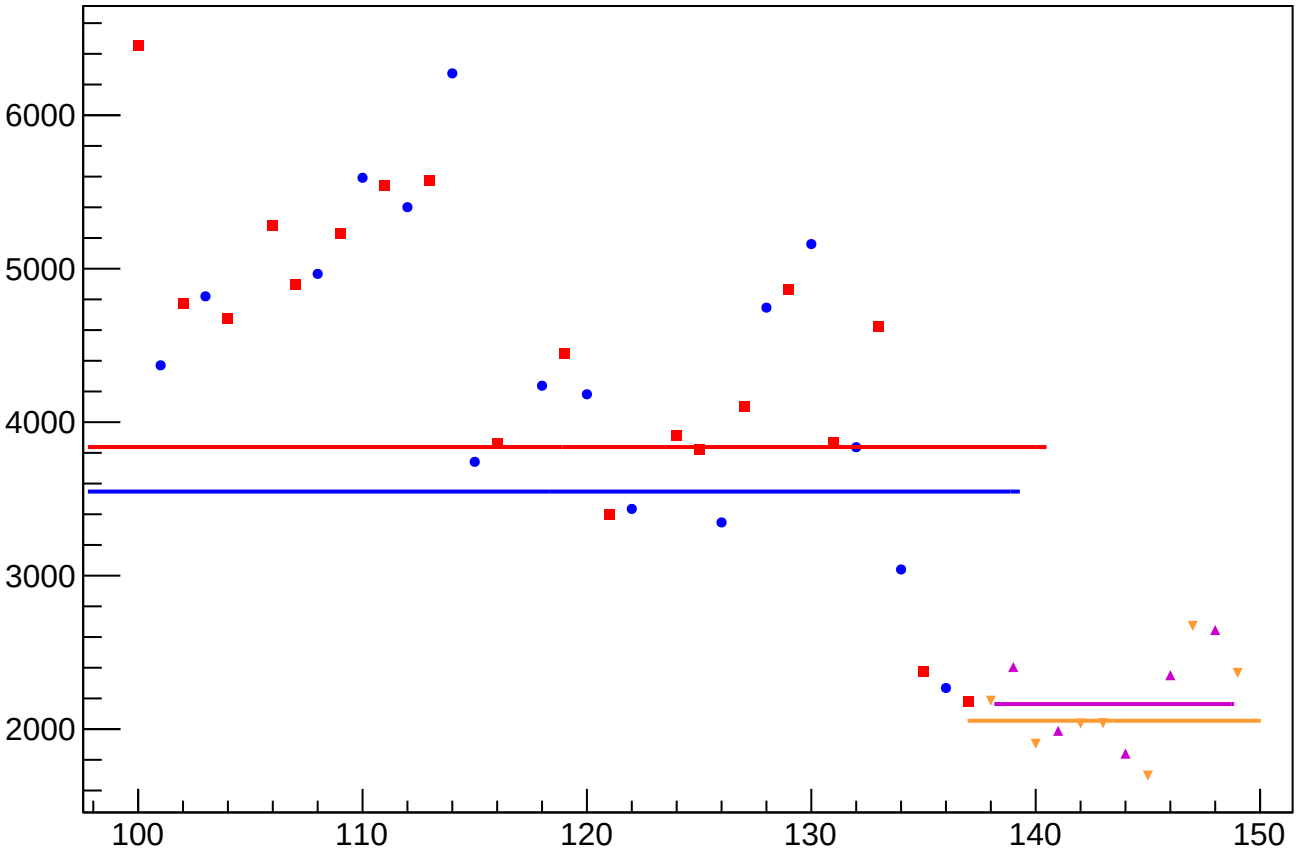
Left: -845.925+/-682.695 χ^2/NDF: 13.4/11

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1885.288+/-835.619 χ^2/NDF:20.4/20

Out: -225.510+/-766.045 χ^2/NDF:26.0/25

All: -983.437+/-564.673 χ^2/NDF: 48.5/46



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2054.597+/-0.636 χ^2/NDF:204152.8/6

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2163.370+/-0.741 χ^2/NDF:152092.4/4

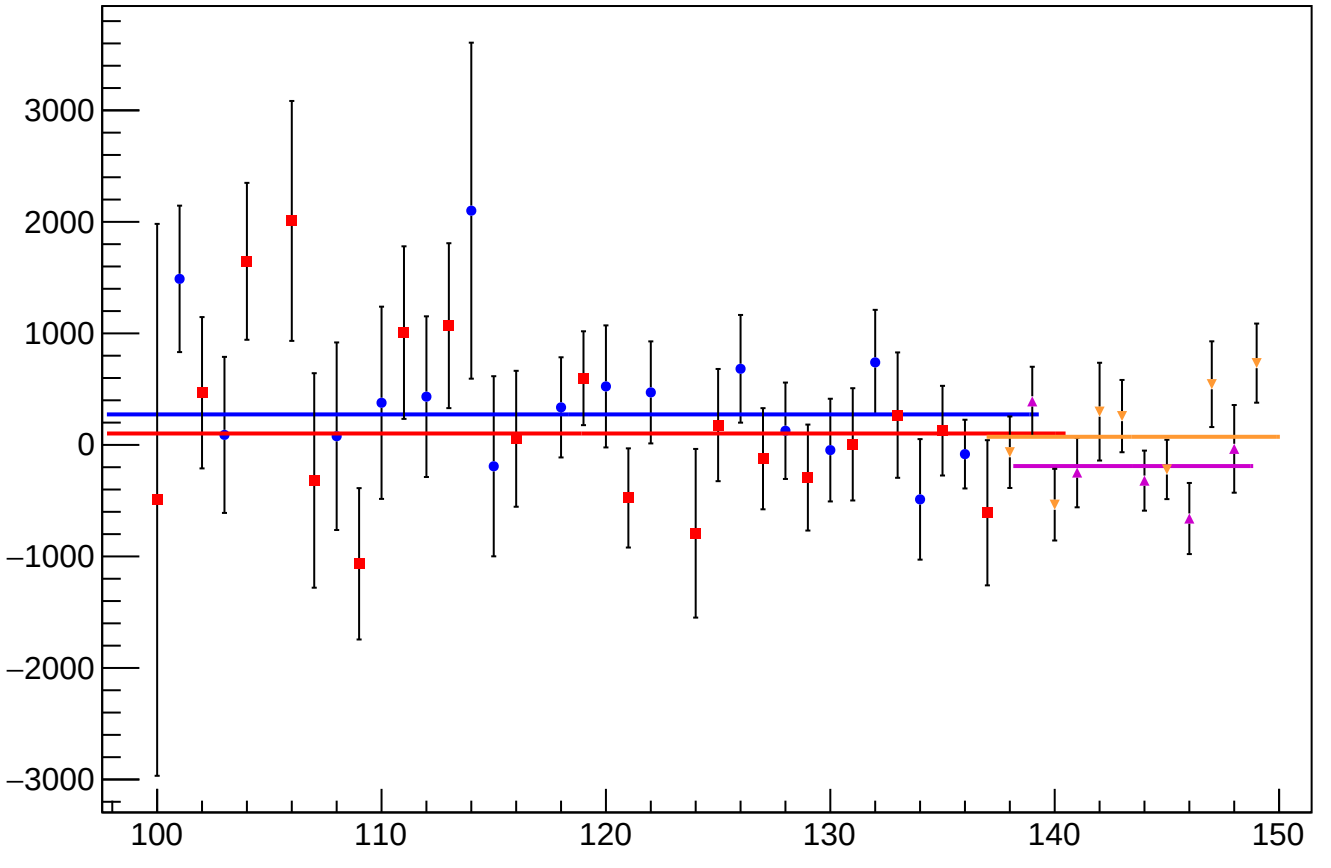
Left: 2100.739+/-0.483 χ^2/NDF: 368646.2/11

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2668.009+/-0.591 χ^2/NDF:2682492.4/20

Out: 2545.068+/-0.542 χ^2/NDF:3521206.0/25

All: 2601.208+/-0.399 χ^2/NDF: 6227221.5/46



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: 72.828+/-126.003 χ^2/NDF:10.6/6

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: -44.301+/-93.764 χ^2/NDF: 18.6/11

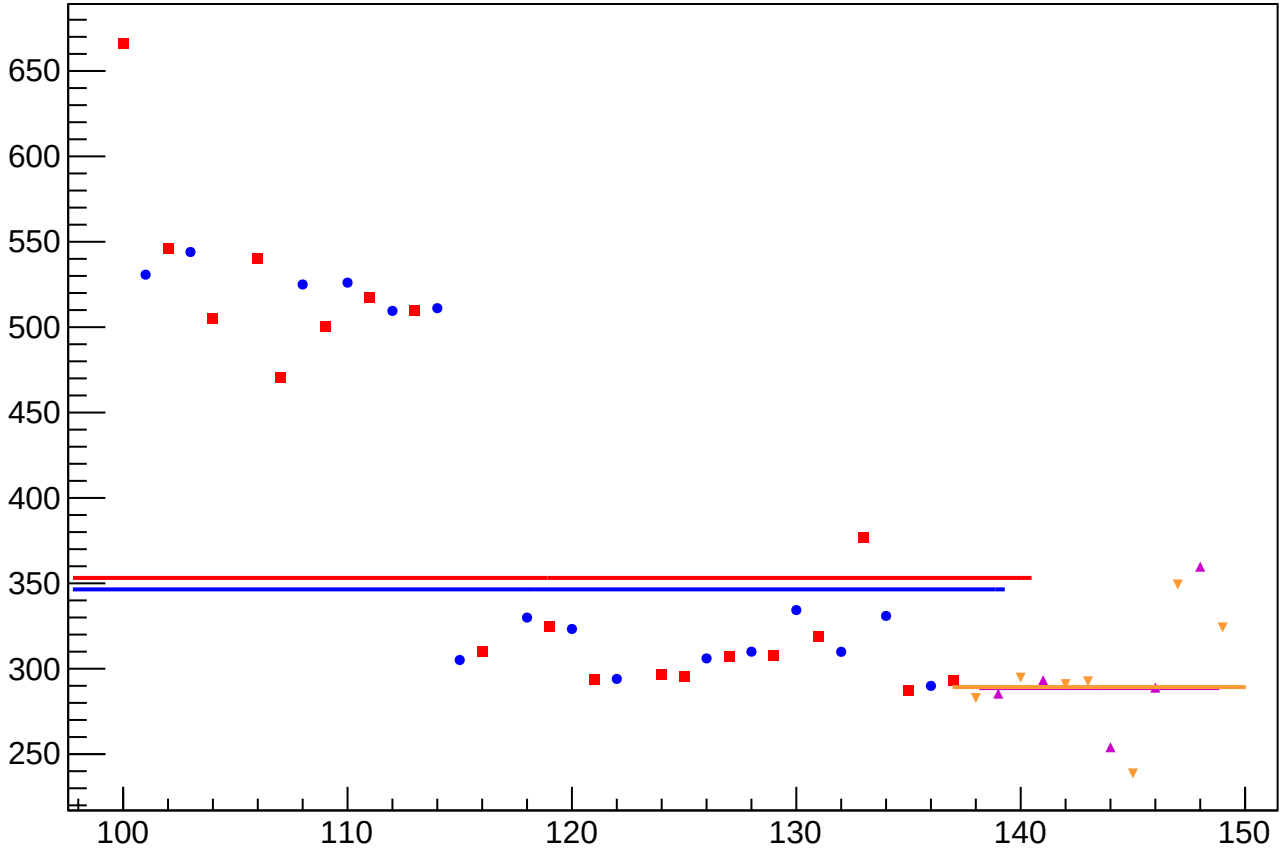
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 55.238+/-96.364 χ^2/NDF:23.3/20

Out: 86.734+/-91.668 χ^2/NDF:31.9/25

All: 71.772+/-66.417 χ^2/NDF: 55.2/46

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.266+/-0.089 χ^2/NDF:142039.4/6

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 288.651+/-0.099 χ^2/NDF:99146.6/4

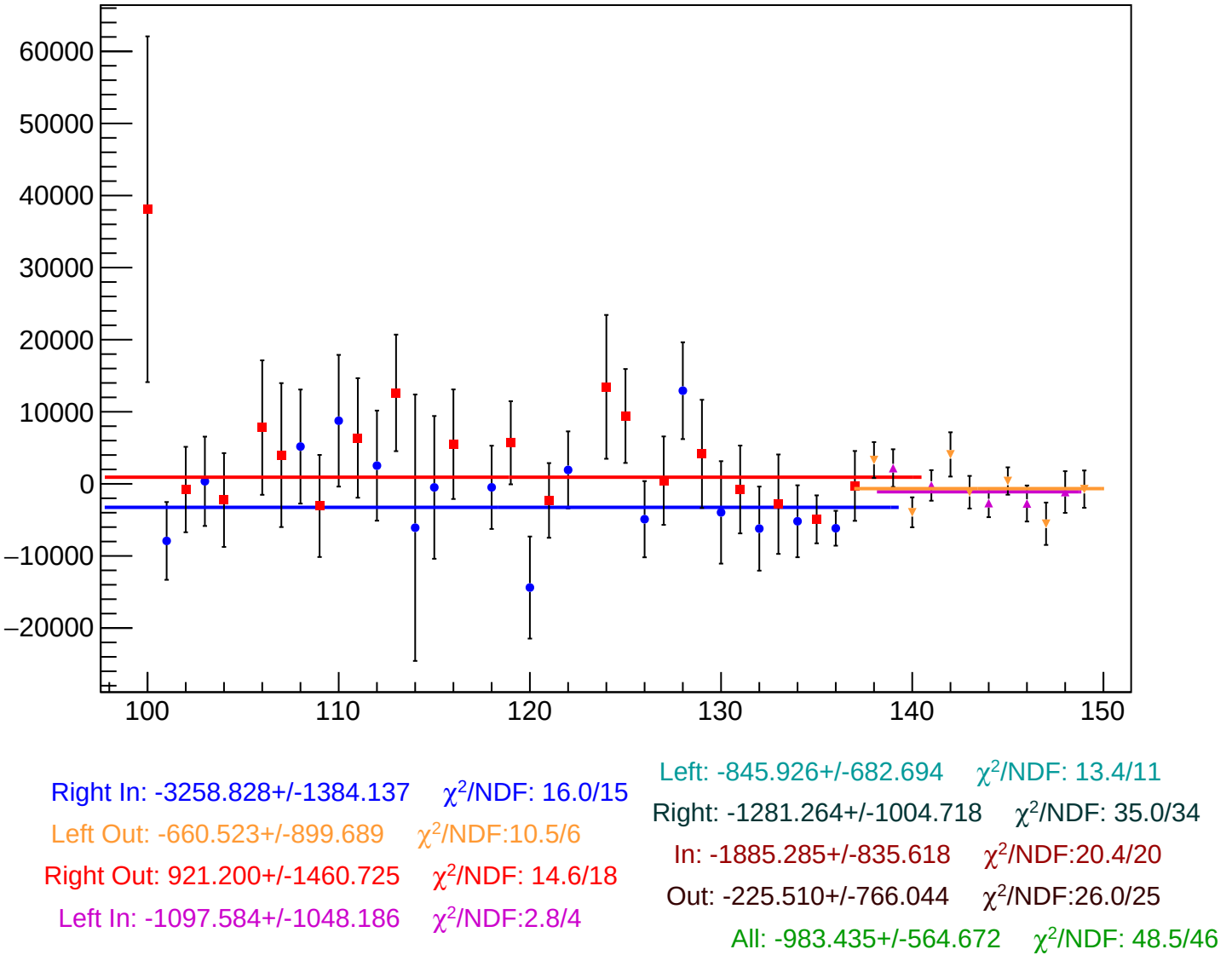
Left: 288.992+/-0.066 χ^2/NDF: 241207.2/11

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.208+/-0.068 χ^2/NDF:1047206.2/20

Out: 319.351+/-0.065 χ^2/NDF:1250603.0/25

All: 319.283+/-0.047 χ^2/NDF: 2297811.5/46


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
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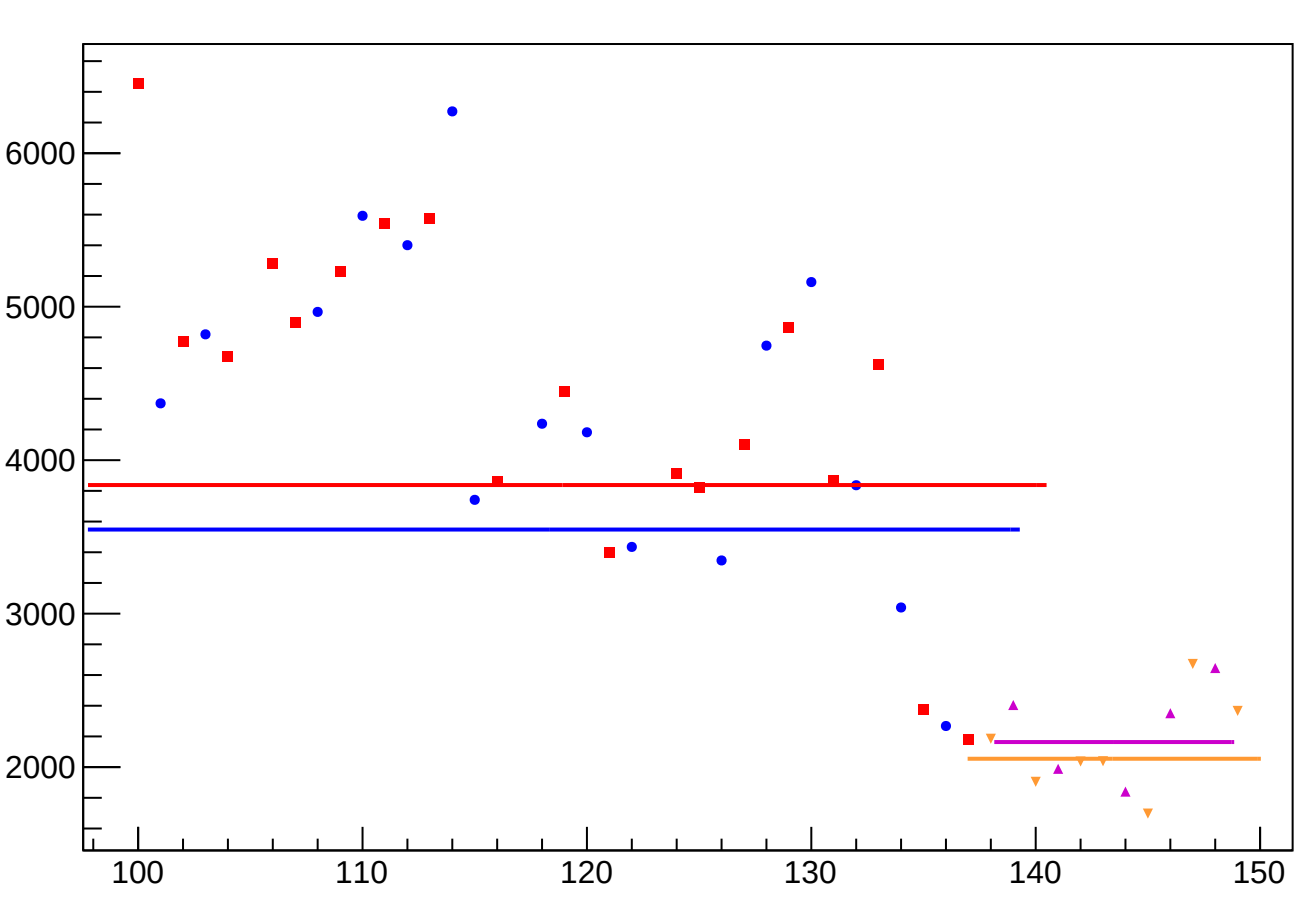
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -660.523+/-899.689 χ²/NDF:10.5/6
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -1097.584+/-1048.186 χ²/NDF:2.8/4
Left: -845.926+/-682.694 χ²/NDF: 13.4/11
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -1885.285+/-835.618 χ²/NDF:20.4/20
Out: -225.510+/-766.044 χ²/NDF:26.0/25
All: -983.435+/-564.672 χ²/NDF: 48.5/46



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2054.595+/-0.636 χ^2/NDF:204155.5/6

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: 2100.737+/-0.483 χ^2/NDF: 368648.1/11

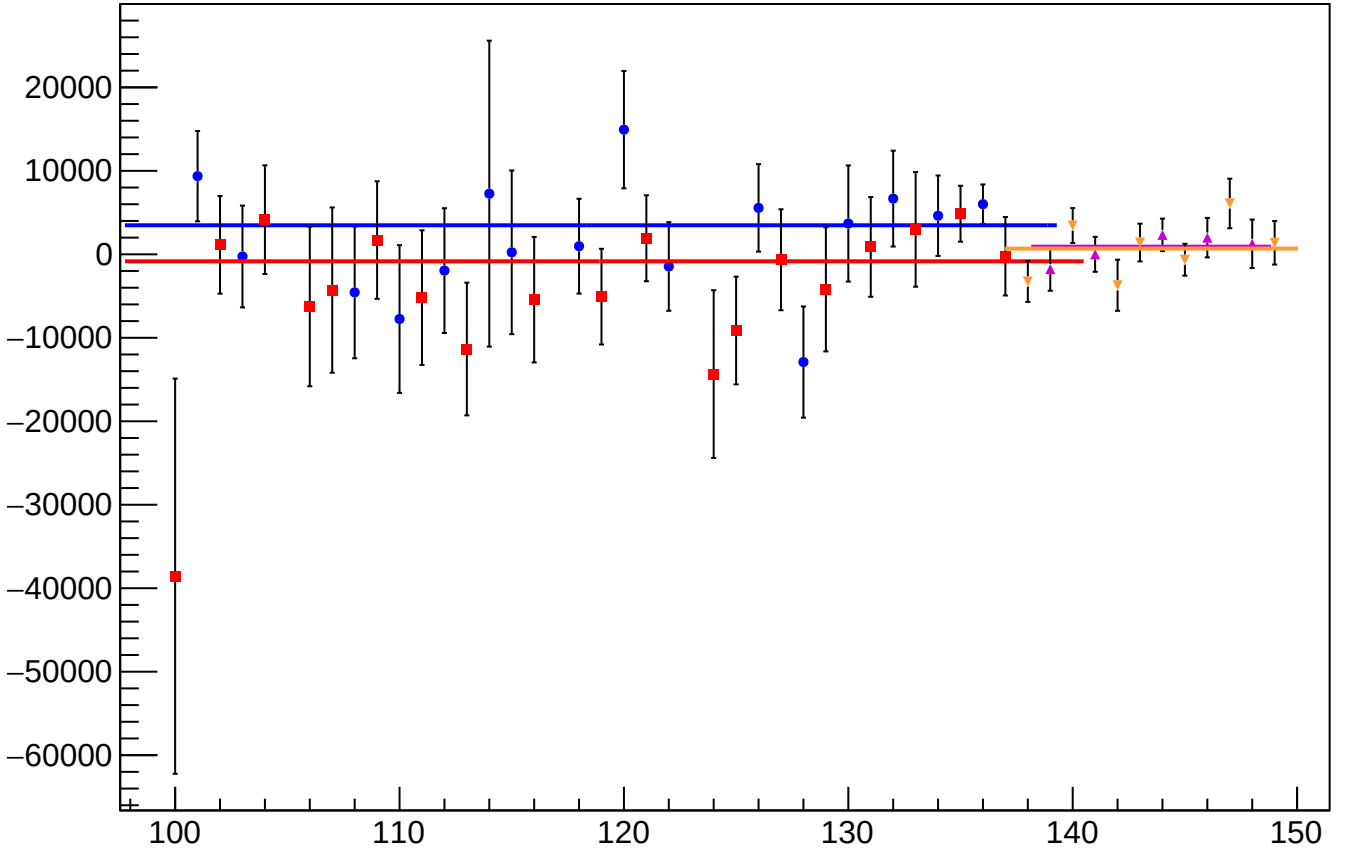
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2668.007+/-0.591 χ^2/NDF:2682477.8/20

Out: 2545.065+/-0.542 χ^2/NDF:3521200.3/25

All: 2601.206+/-0.399 χ^2/NDF: 6227201.5/46

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 686.534+/-899.858 χ^2/NDF:10.4/6

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 916.623+/-1032.320 χ^2/NDF:2.0/4

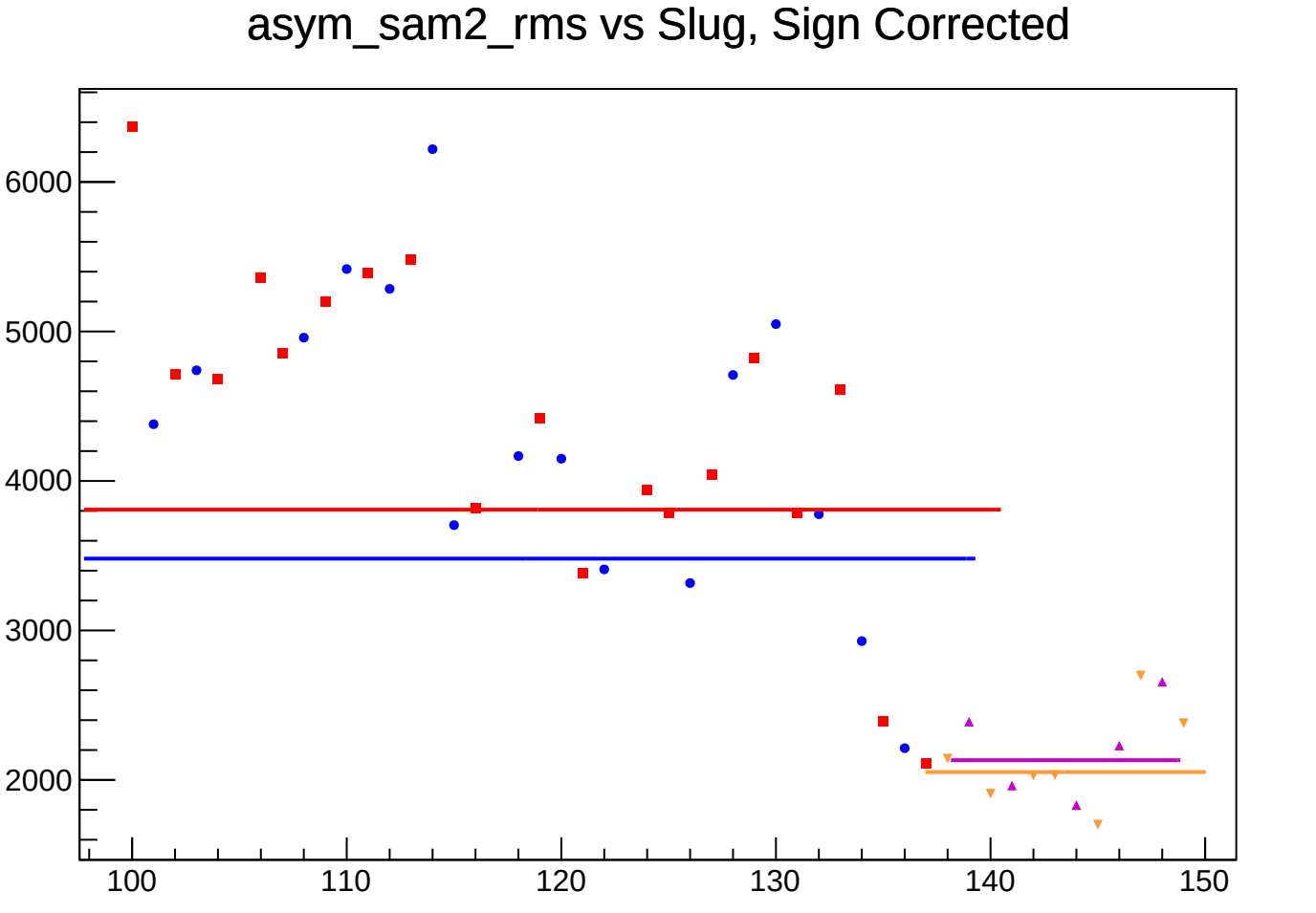
Left: 785.878+/-678.325 χ^2/NDF: 12.4/11

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1852.761+/-822.345 χ^2/NDF:20.6/20

Out: 263.998+/-764.538 χ^2/NDF:25.2/25

All: 1000.580+/-559.932 χ^2/NDF: 47.8/46



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2052.784+/-0.636 χ^2/NDF:206492.7/6

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2132.138+/-0.730 χ^2/NDF:149044.8/4

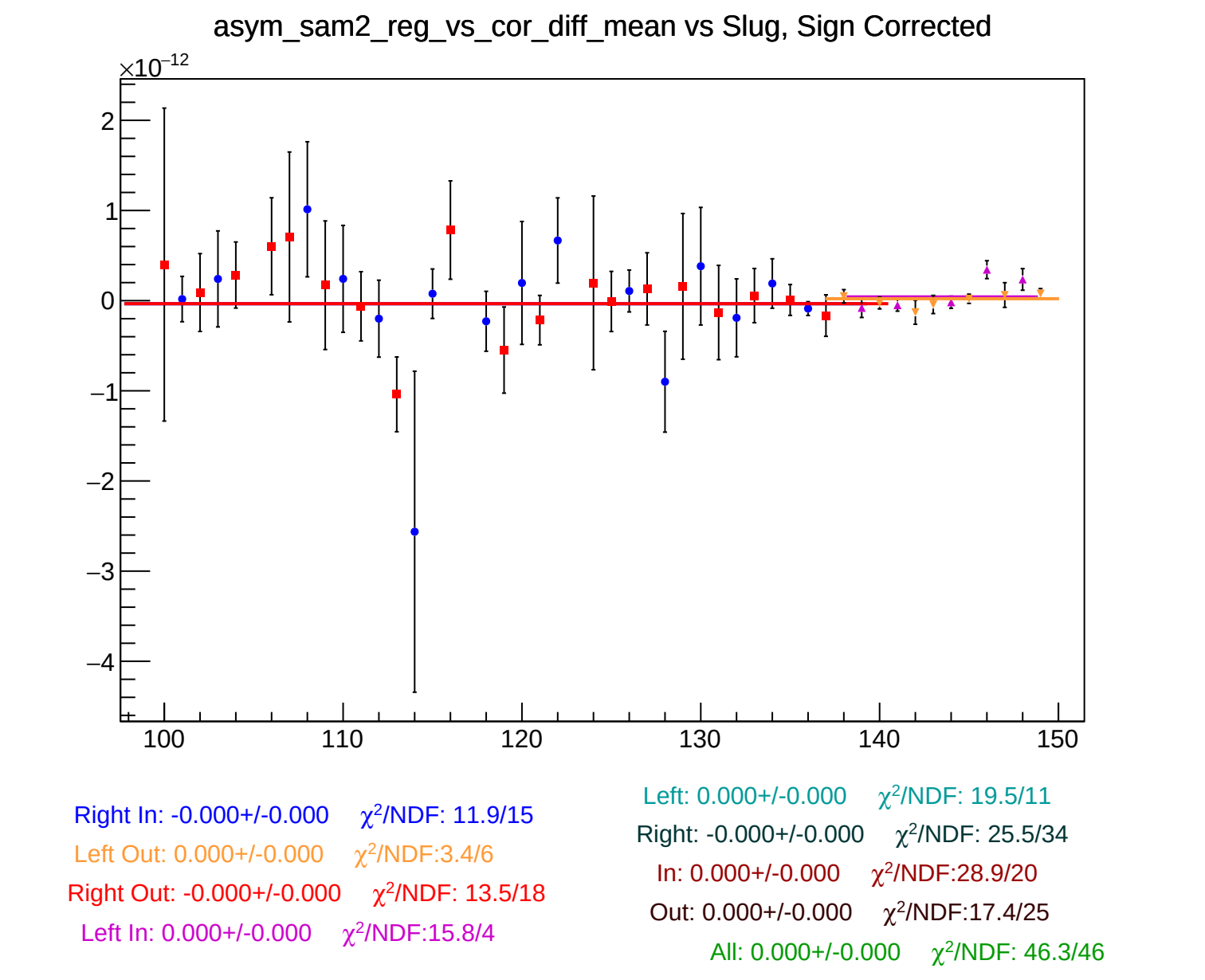
Left: 2087.046+/-0.480 χ^2/NDF: 362252.9/11

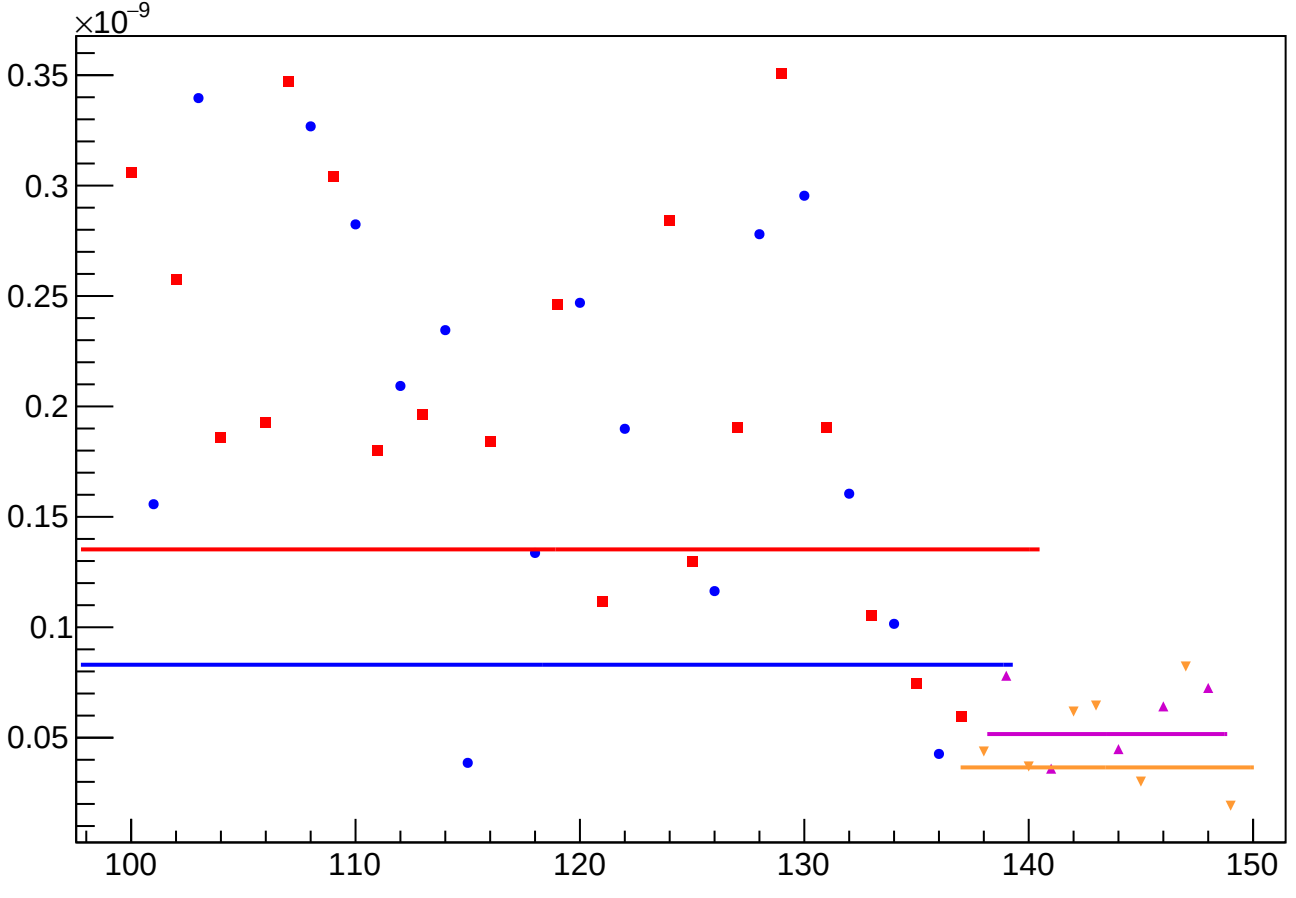
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2624.891+/-0.581 χ^2/NDF:2692656.0/20

Out: 2541.032+/-0.541 χ^2/NDF:3470906.2/25

All: 2579.911+/-0.396 χ^2/NDF: 6174717.8/46


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:3.4/6
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: 19.5/11
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:17.4/25
All: 0.000+/-0.000 χ²/NDF: 46.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:694407.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:345804.3/4

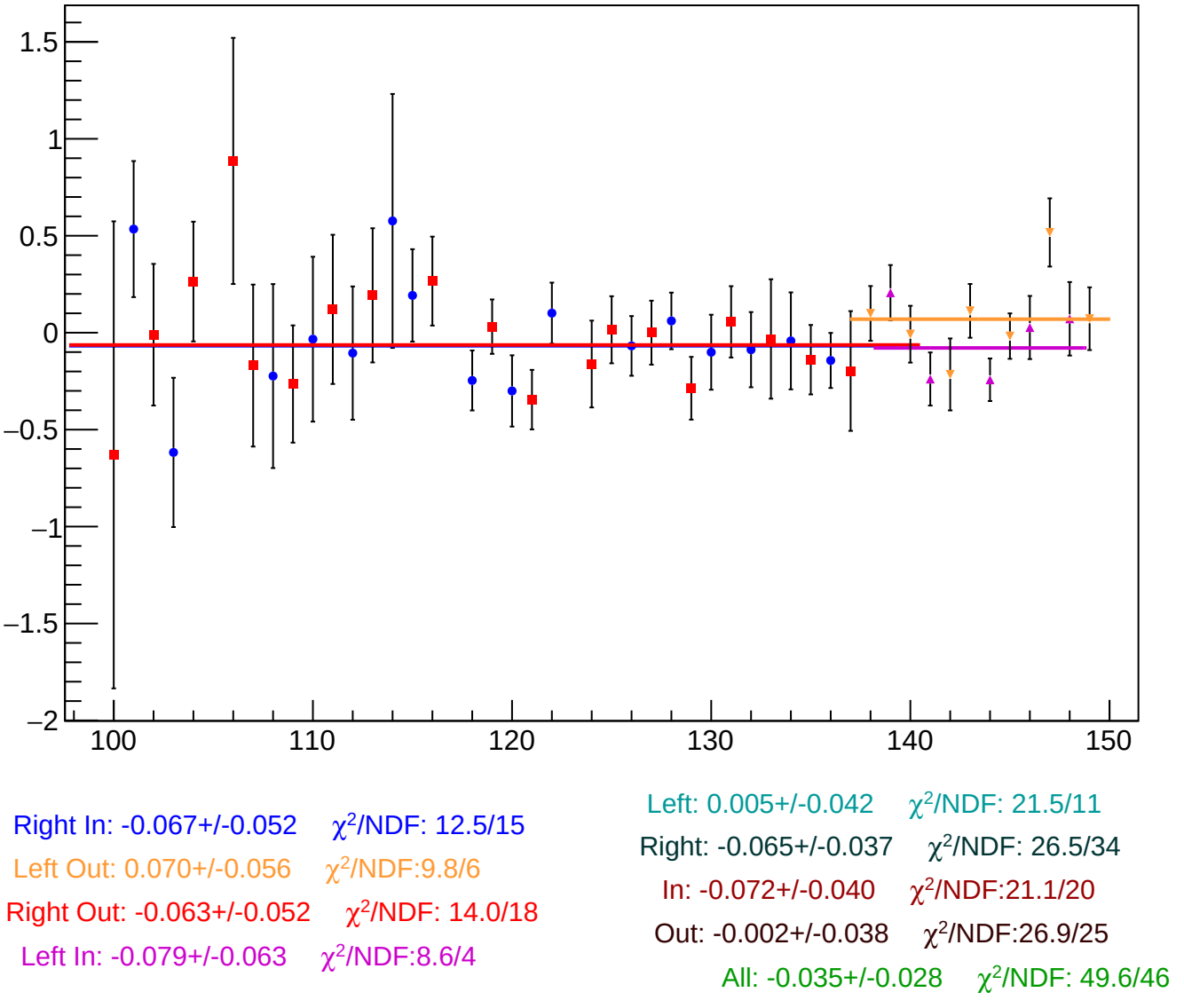
Left: 0.000+/-0.000 χ^2/NDF: 1250323.1/11

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

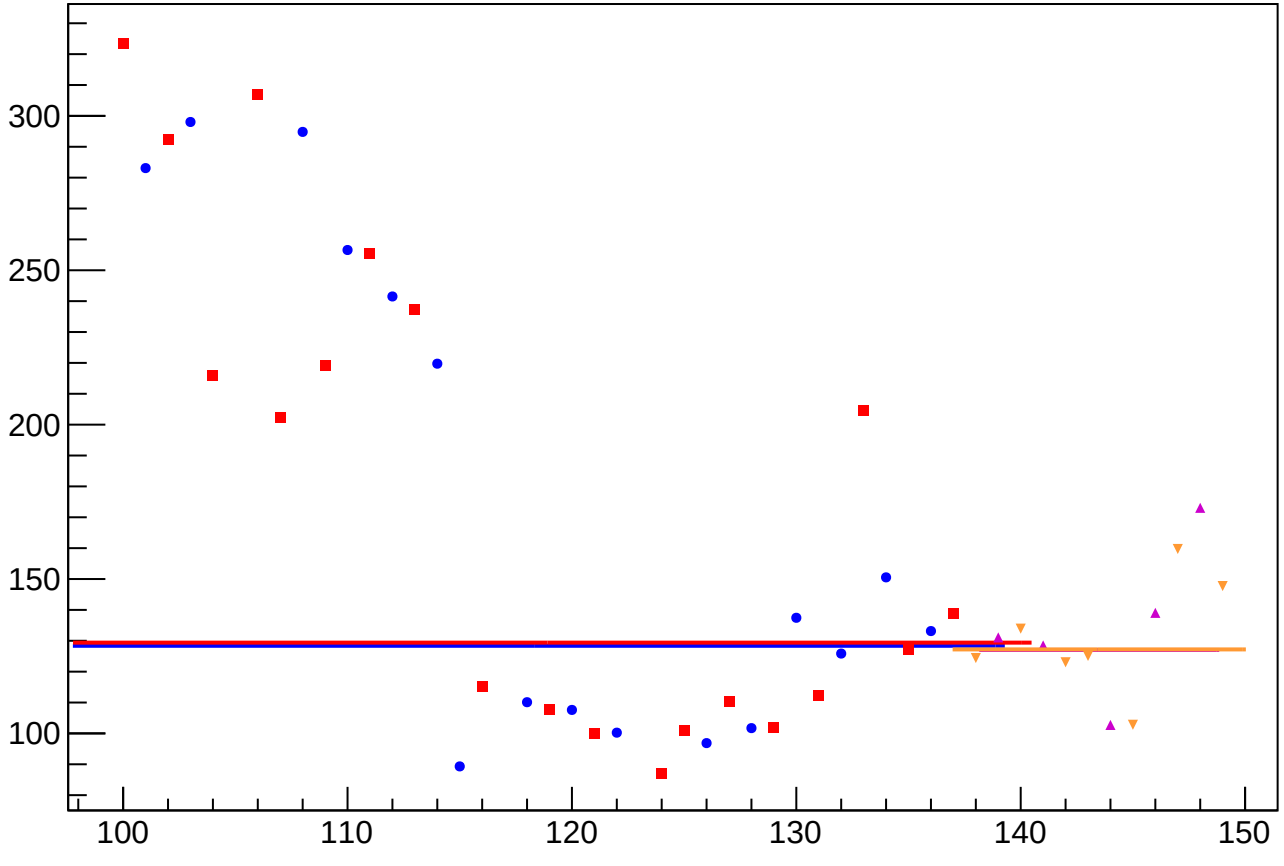
In: 0.000+/-0.000 χ^2/NDF:3435309.5/20

Out: 0.000+/-0.000 χ^2/NDF:4546967.8/25

All: 0.000+/-0.000 χ^2/NDF: 8228214.0/46


asym_sam2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -0.067+/-0.052 χ²/NDF: 12.5/15
Left Out: 0.070+/-0.056 χ²/NDF:9.8/6
Right Out: -0.063+/-0.052 χ²/NDF: 14.0/18
Left In: -0.079+/-0.063 χ²/NDF:8.6/4
Left: 0.005+/-0.042 χ²/NDF: 21.5/11
Right: -0.065+/-0.037 χ²/NDF: 26.5/34
In: -0.072+/-0.040 χ²/NDF:21.1/20
Out: -0.002+/-0.038 χ²/NDF:26.9/25
All: -0.035+/-0.028 χ²/NDF: 49.6/46

asym_sam2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 127.201+/-0.039 χ^2/NDF:193805.5/6

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

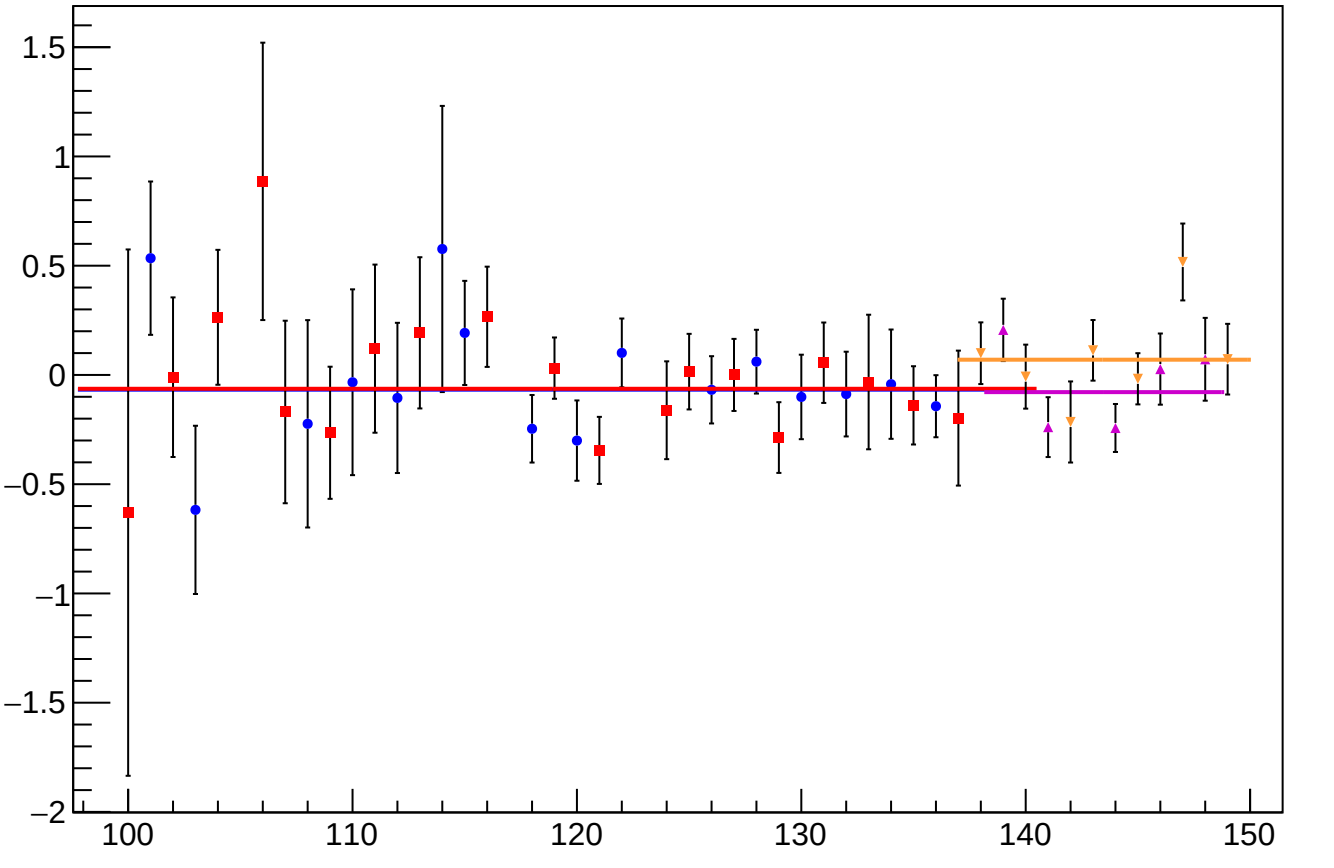
Left: 127.123+/-0.030 χ^2/NDF: 422384.1/11

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 127.835+/-0.028 χ^2/NDF:2034199.7/20

Out: 128.385+/-0.027 χ^2/NDF:2083749.1/25

All: 128.125+/-0.019 χ^2/NDF: 4118148.4/46



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.070+/-0.056 χ^2/NDF:9.8/6

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.079+/-0.063 χ^2/NDF:8.6/4

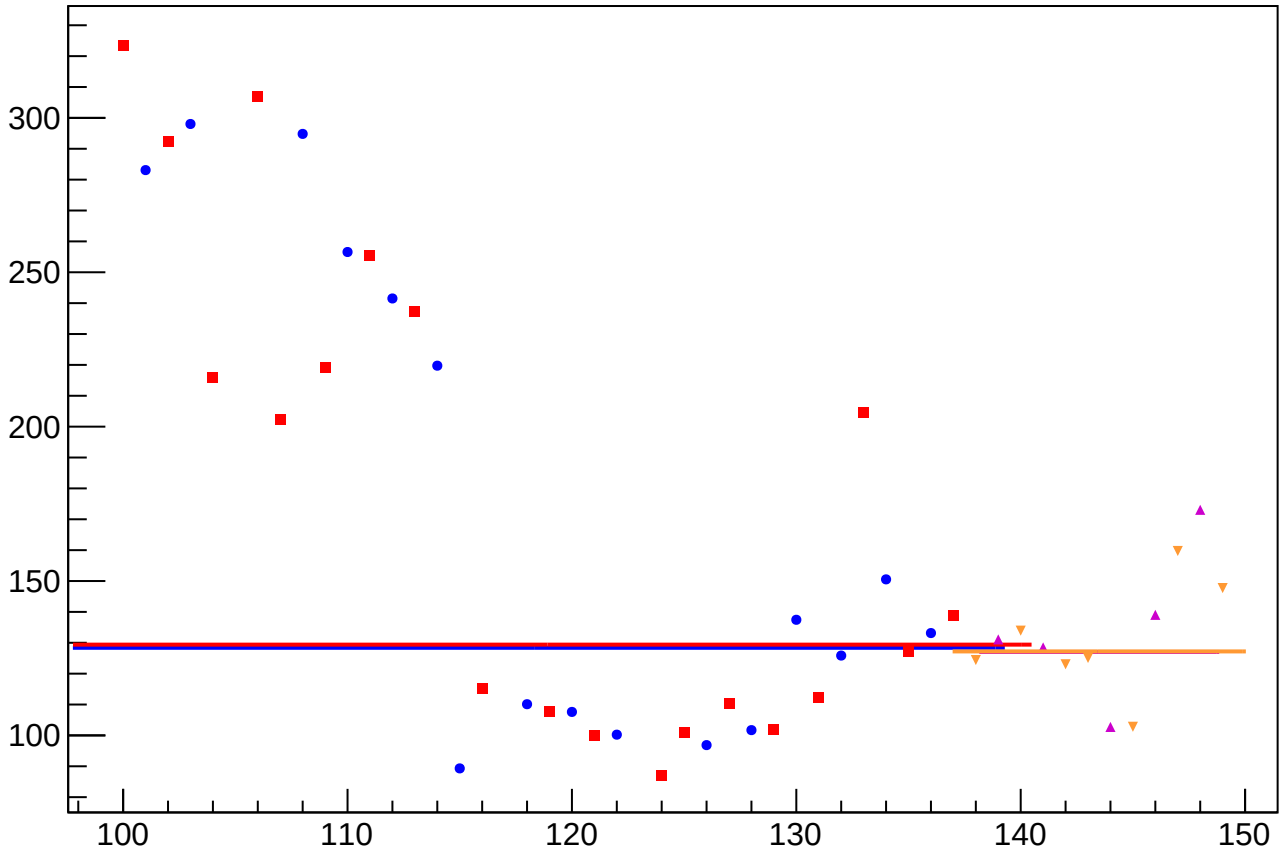
Left: 0.005+/-0.042 χ^2/NDF: 21.5/11

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.002+/-0.038 χ^2/NDF:26.9/25

All: -0.035+/-0.028 χ^2/NDF: 49.6/46



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 127.201+/-0.039 χ^2/NDF:193805.5/6

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 127.024+/-0.045 χ^2/NDF:228569.8/4

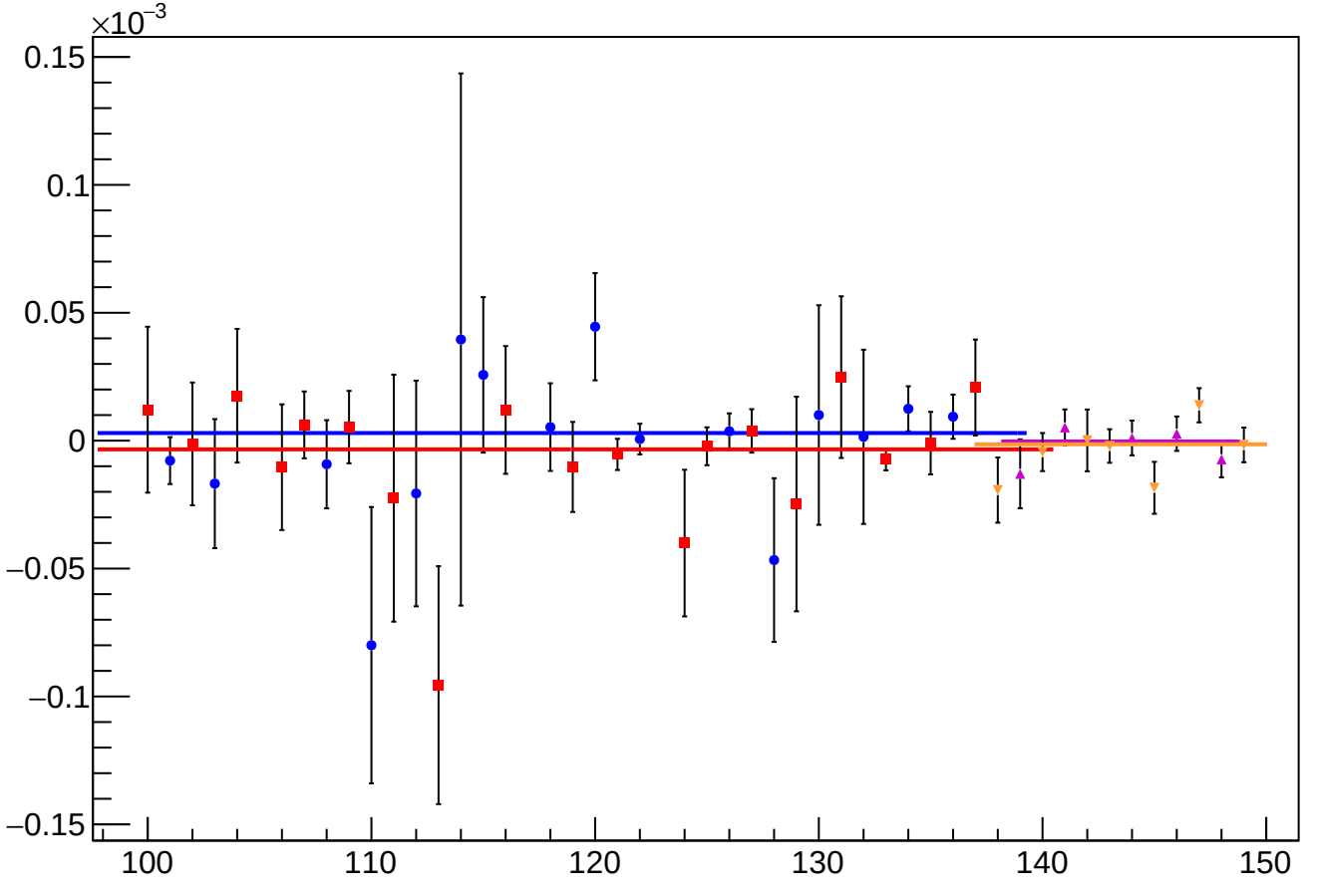
Left: 127.123+/-0.030 χ^2/NDF: 422384.1/11

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 127.835+/-0.028 χ^2/NDF:2034199.7/20

Out: 128.385+/-0.027 χ^2/NDF:2083749.1/25

All: 128.125+/-0.019 χ^2/NDF: 4118148.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

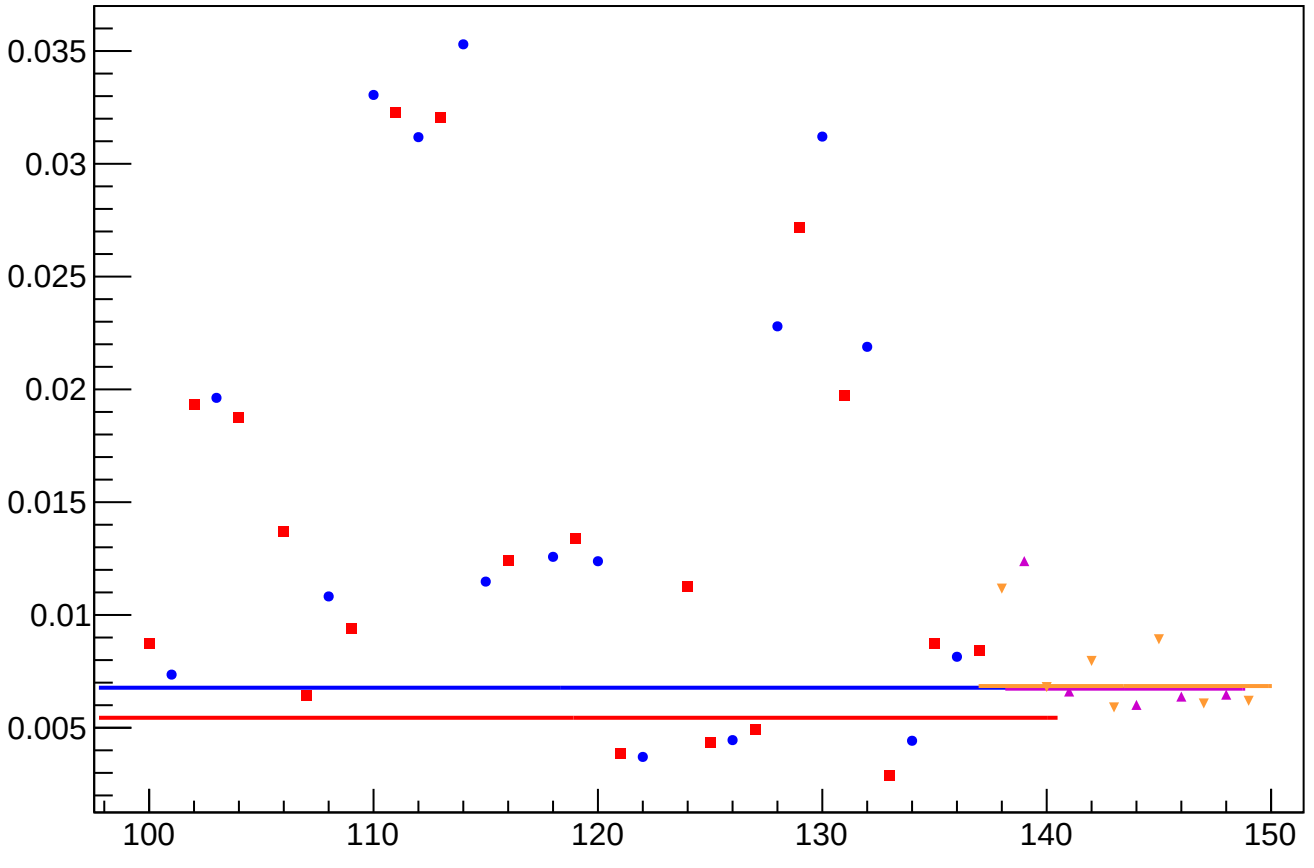
Left: -0.000+/-0.000 χ^2/NDF: 12.9/11

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:23.0/25

All: -0.000+/-0.000 χ^2/NDF: 42.1/46



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:417649.5/6

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: 802577.1/11

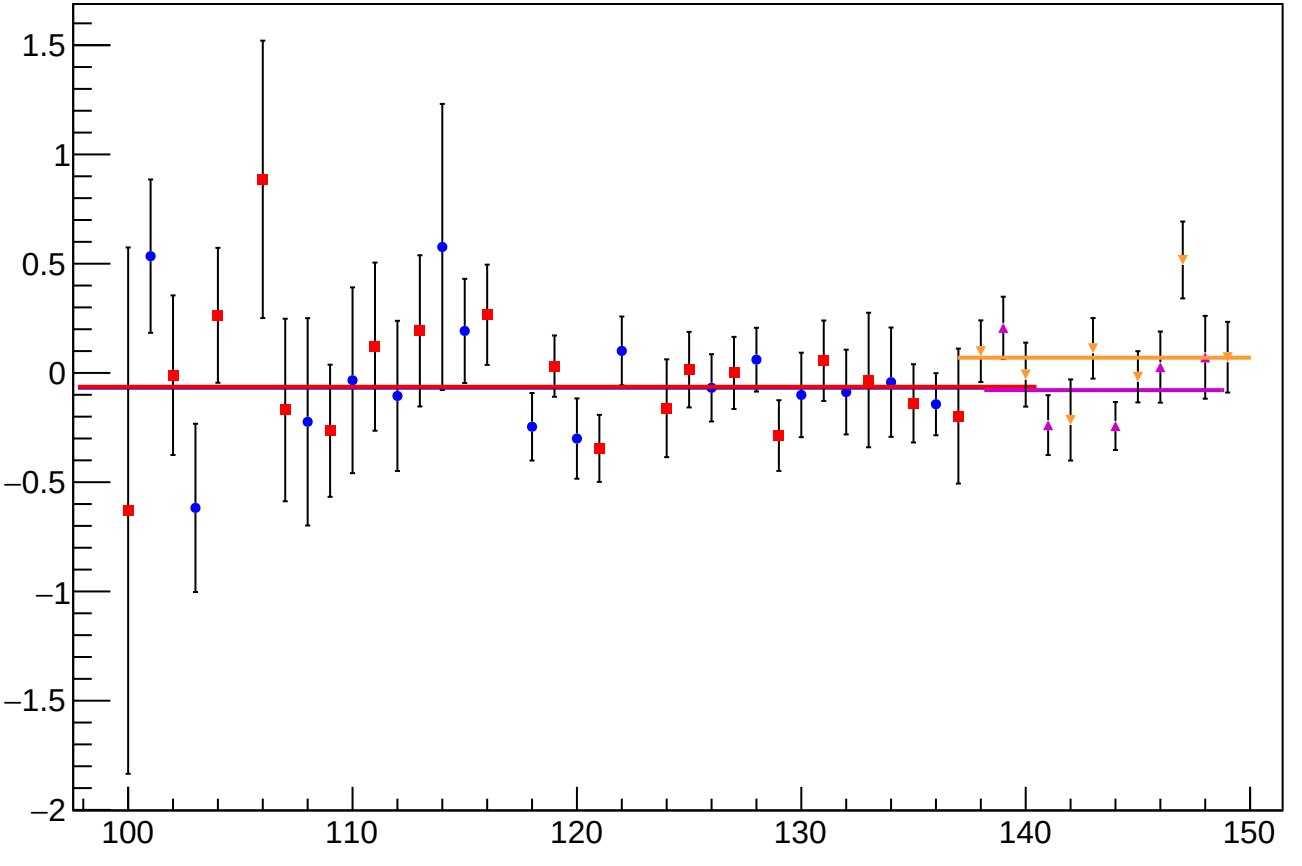
Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5156055.2/20

Out: 0.006+/-0.000 χ^2/NDF:6237586.0/25

All: 0.006+/-0.000 χ^2/NDF: 11507065.3/46

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.070+/-0.056 χ^2/NDF:9.8/6

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.079+/-0.063 χ^2/NDF:8.6/4

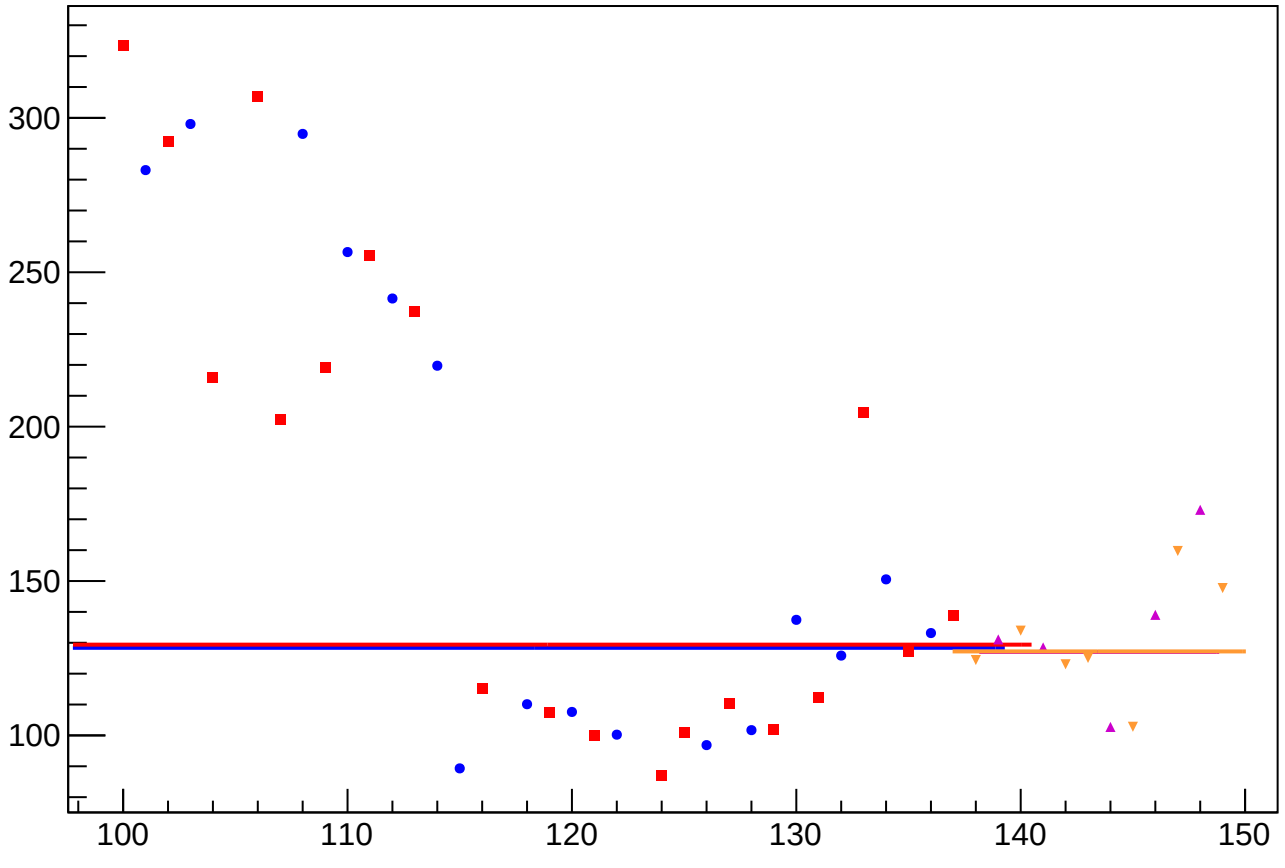
Left: 0.005+/-0.042 χ^2/NDF: 21.5/11

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.002+/-0.038 χ^2/NDF:26.9/25

All: -0.035+/-0.028 χ^2/NDF: 49.6/46



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 127.201+/-0.039 χ^2/NDF:193816.6/6

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: 127.123+/-0.030 χ^2/NDF: 422392.5/11

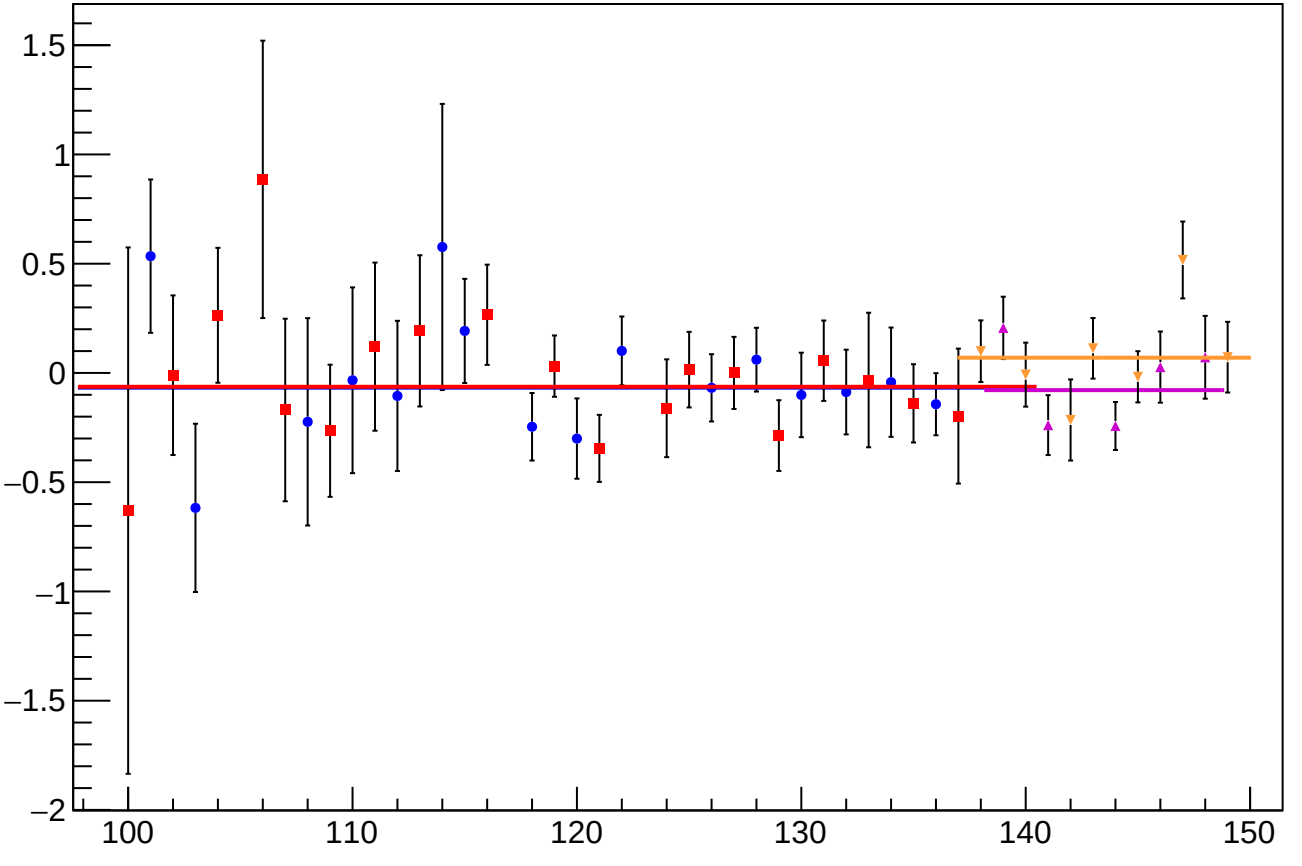
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 127.833+/-0.028 χ^2/NDF:2034142.8/20

Out: 128.384+/-0.027 χ^2/NDF:2083756.8/25

All: 128.123+/-0.019 χ^2/NDF: 4118099.3/46

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.070+/-0.056 χ^2/NDF:9.8/6

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: 0.005+/-0.042 χ^2/NDF: 21.5/11

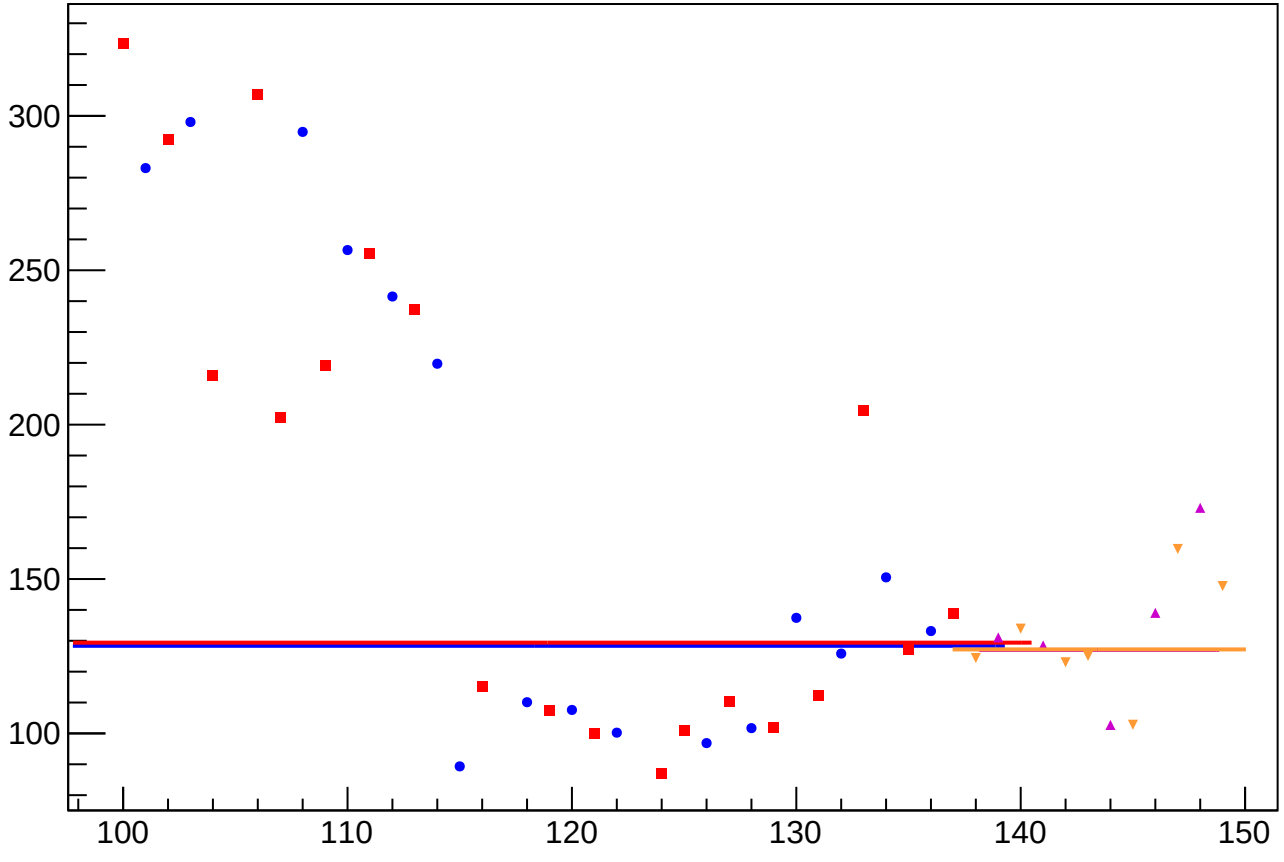
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.072+/-0.040 χ^2/NDF:21.1/20

Out: -0.002+/-0.038 χ^2/NDF:26.9/25

All: -0.035+/-0.028 χ^2/NDF: 49.6/46

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: 127.201+/-0.039 χ^2/NDF:193816.6/6

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 127.024+/-0.045 χ^2/NDF:228567.1/4

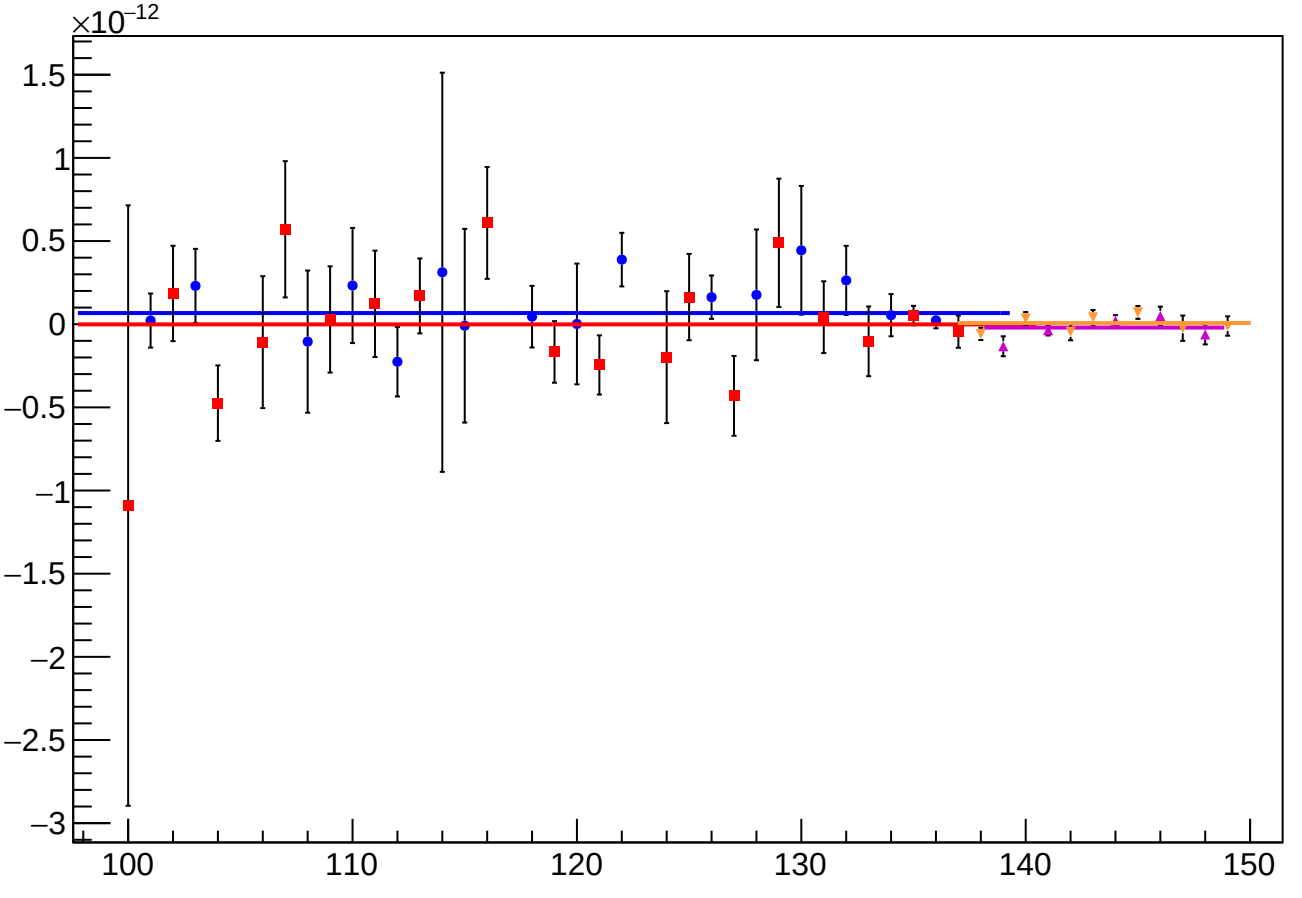
Left: 127.123+/-0.030 χ^2/NDF: 422392.5/11

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 127.833+/-0.028 χ^2/NDF:2034142.8/20

Out: 128.384+/-0.027 χ^2/NDF:2083756.8/25

All: 128.123+/-0.019 χ^2/NDF: 4118099.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/4

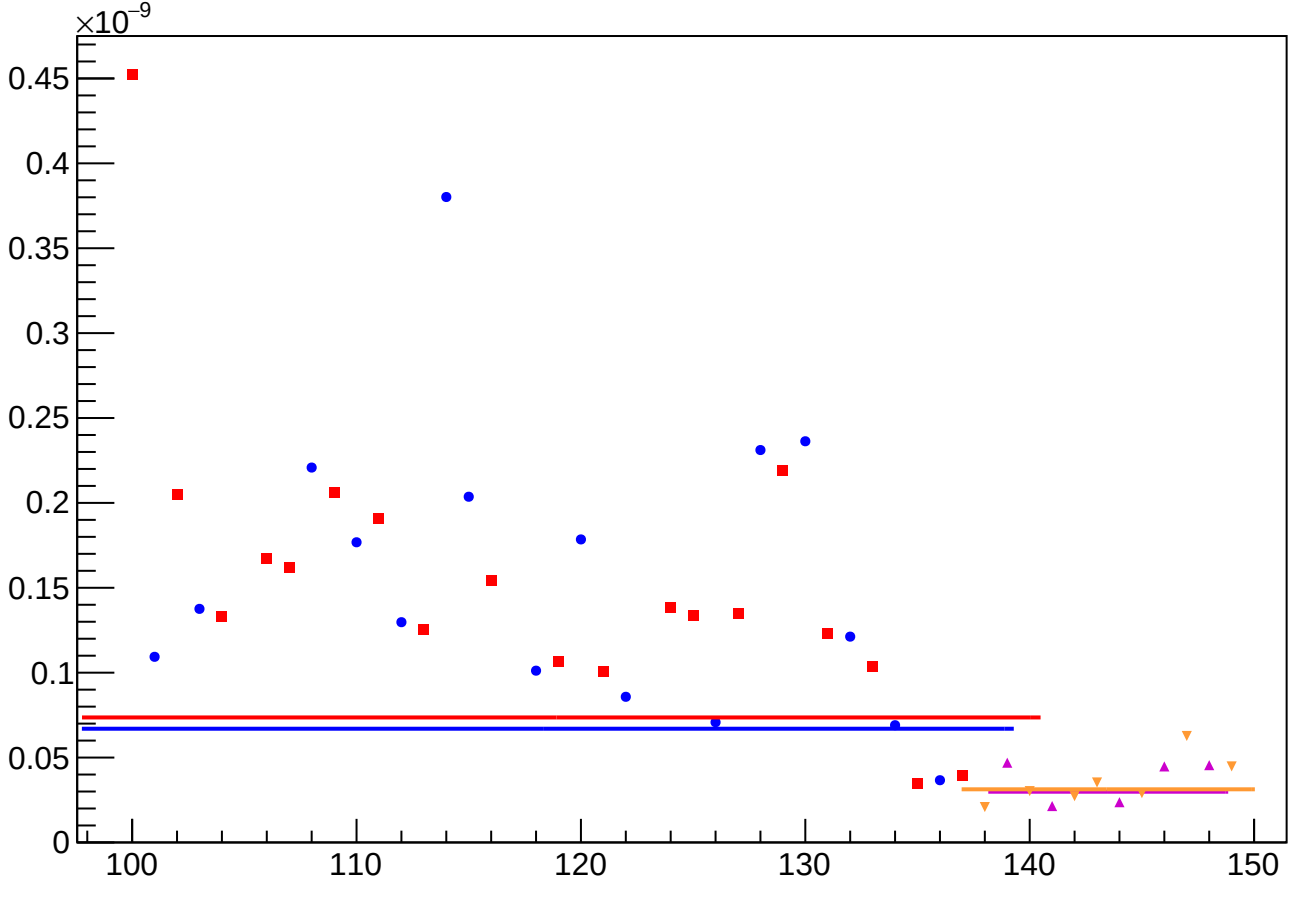
Left: -0.000+/-0.000 χ^2/NDF: 16.7/11

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:29.0/25

All: 0.000+/-0.000 χ^2/NDF: 51.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:645427.2/6

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: 1303255.2/11

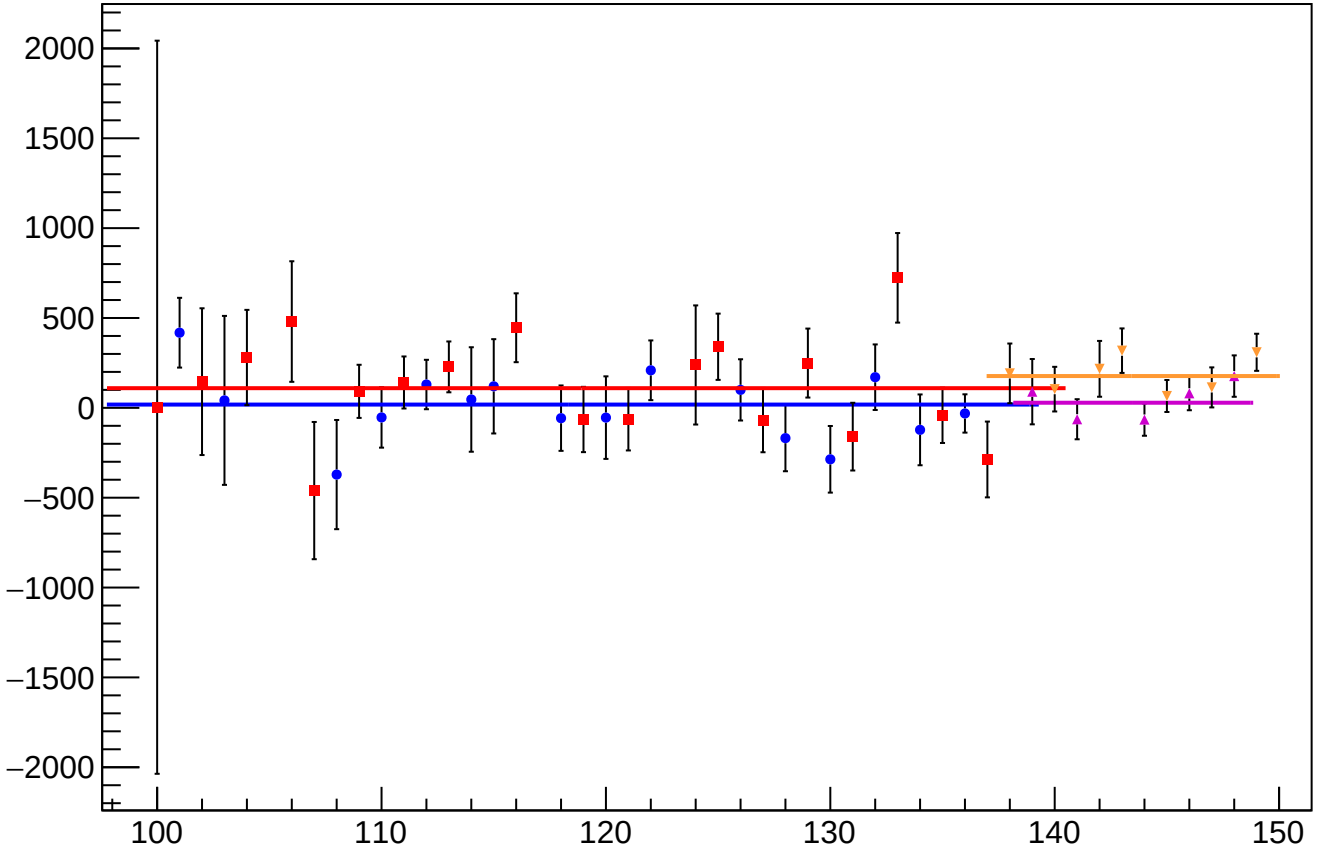
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5484532.9/20

Out: 0.000+/-0.000 χ^2/NDF:6244459.4/25

All: 0.000+/-0.000 χ^2/NDF: 11728996.2/46

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 176.941+/-44.350 χ^2/NDF:5.2/6

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: 109.592+/-32.786 χ^2/NDF: 14.2/11

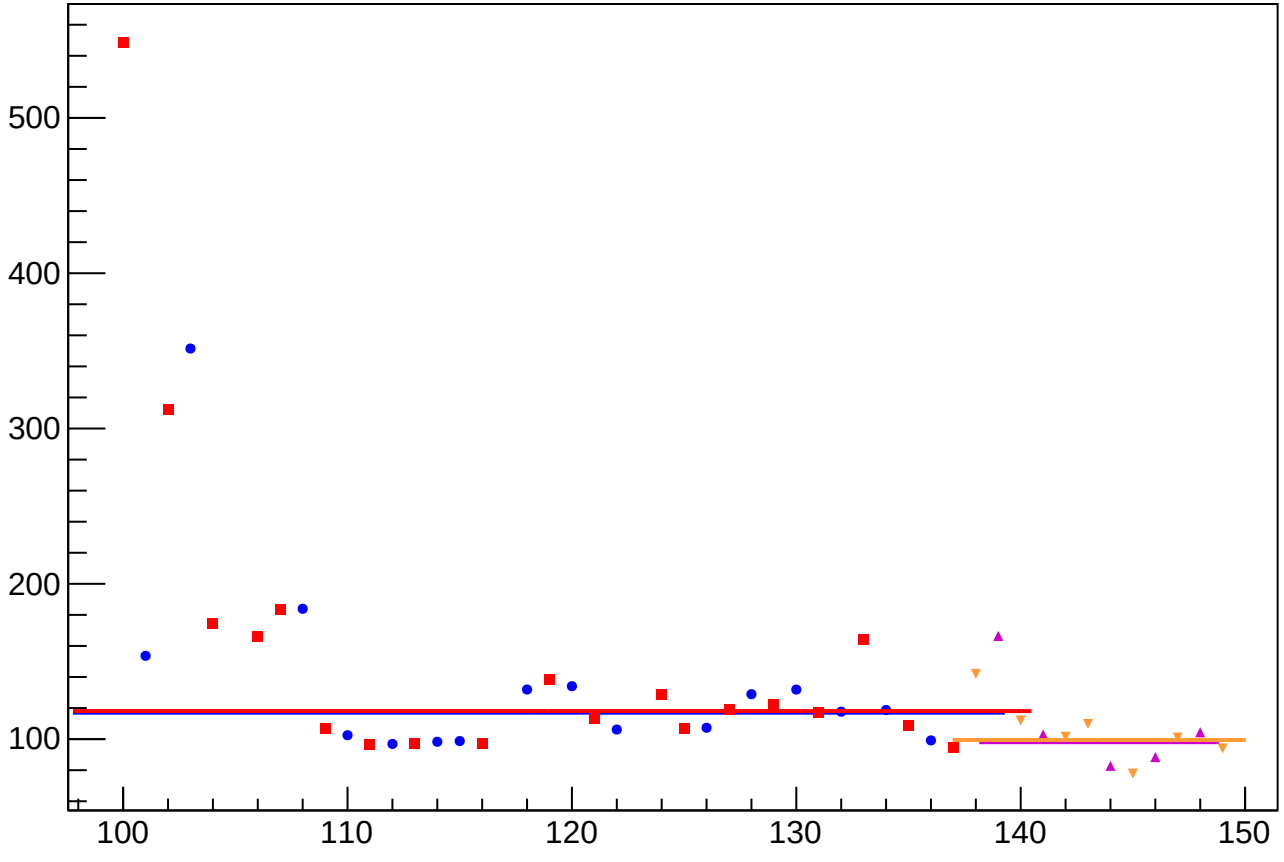
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 22.998+/-33.321 χ^2/NDF:17.7/20

Out: 144.290+/-31.869 χ^2/NDF:31.8/25

All: 86.345+/-23.031 χ^2/NDF: 56.5/46

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.416+/-0.031 χ^2/NDF:290910.9/6

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

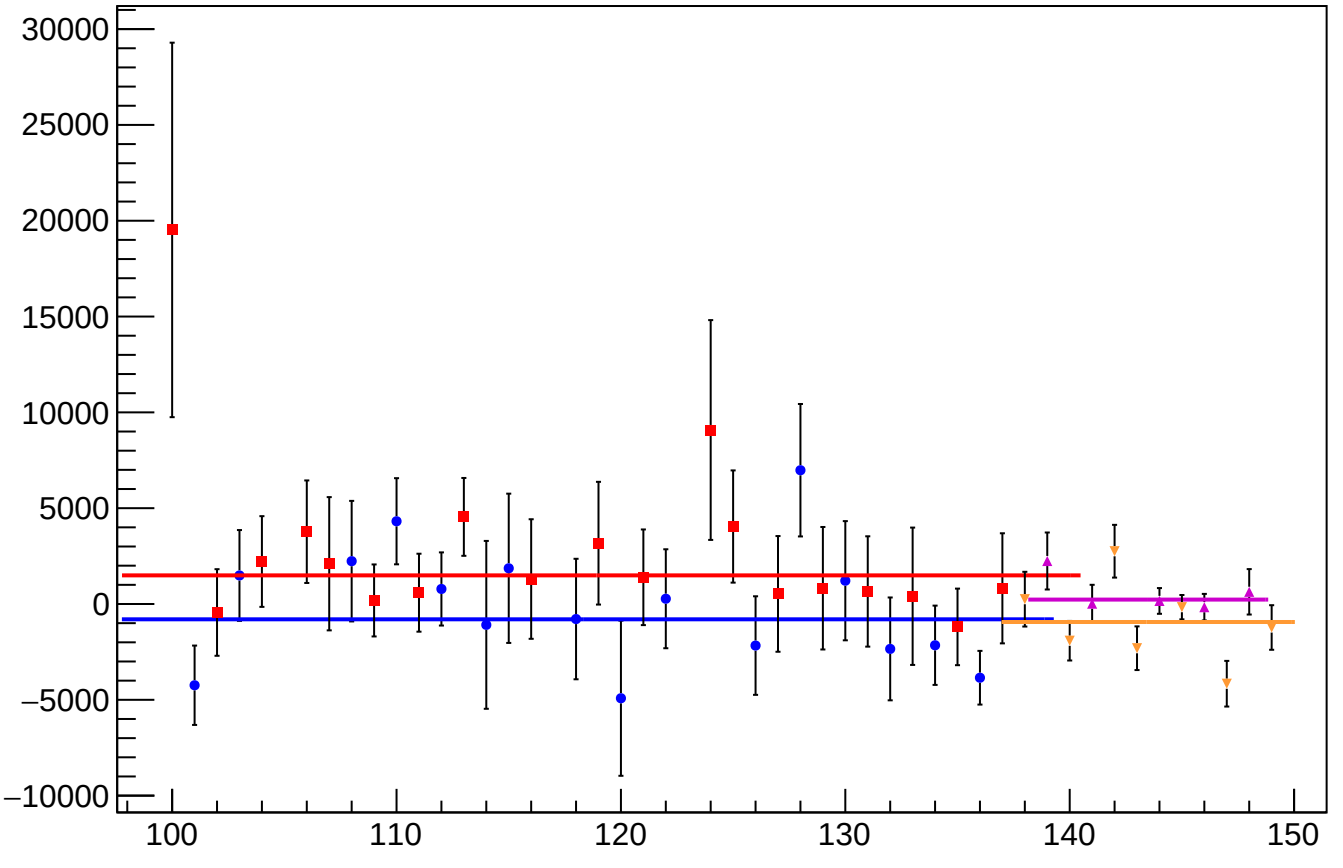
Left: 98.788+/-0.023 χ^2/NDF: 663310.6/11

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 108.147+/-0.024 χ^2/NDF:1392358.8/20

Out: 108.432+/-0.023 χ^2/NDF:1452551.4/25

All: 108.296+/-0.016 χ^2/NDF: 2844986.5/46



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -939.192+/-387.819 χ^2/NDF:19.1/6

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 229.980+/-392.347 χ^2/NDF:2.3/4

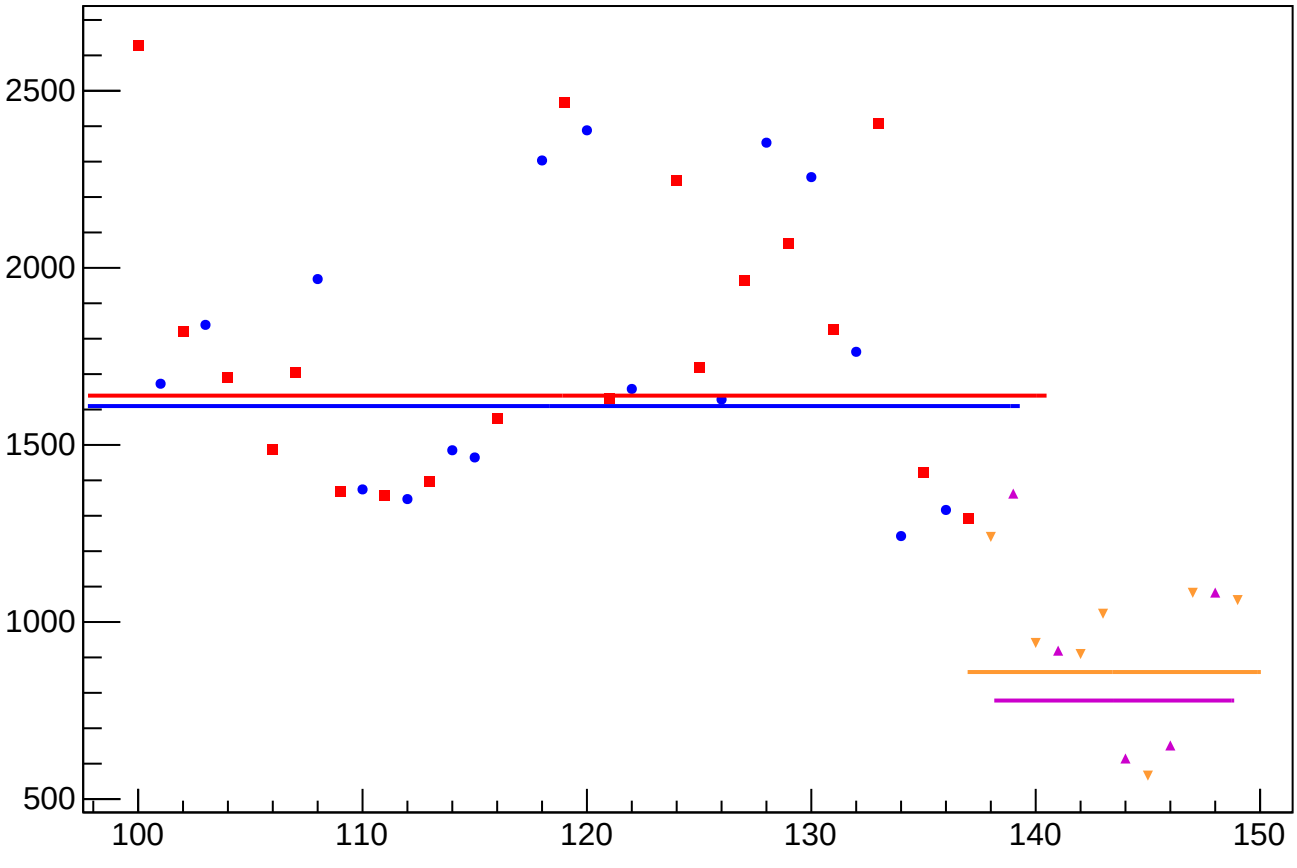
Left: -361.392+/-275.816 χ^2/NDF: 25.9/11

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -67.014+/-330.925 χ^2/NDF:27.8/20

Out: -243.864+/-327.752 χ^2/NDF:43.2/25

All: -156.291+/-232.869 χ^2/NDF: 71.1/46



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 858.770+/-0.274 χ^2/NDF:755516.3/6

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: 818.992+/-0.195 χ^2/NDF: 1466019.5/11

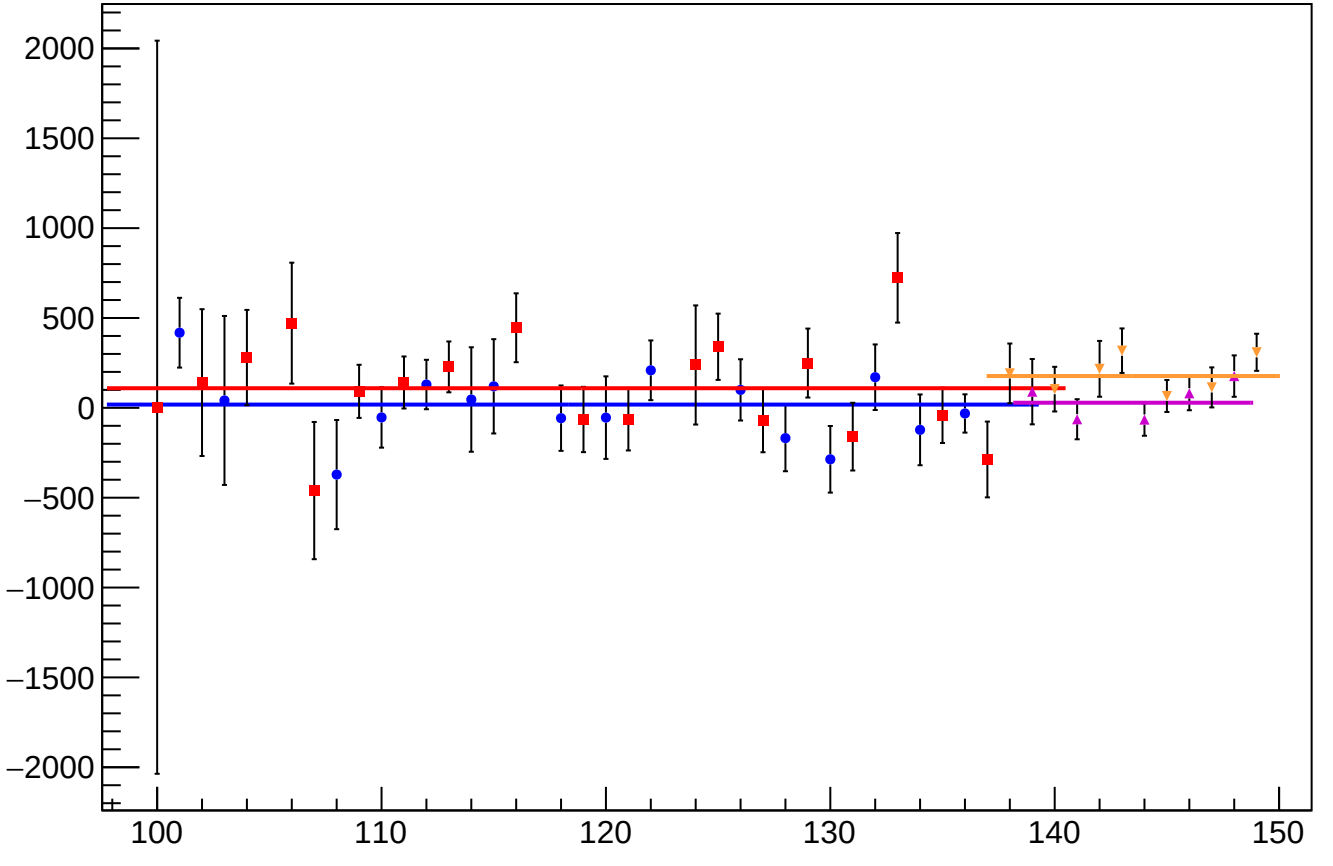
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1018.245+/-0.234 χ^2/NDF:3879447.8/20

Out: 1081.813+/-0.232 χ^2/NDF:3590517.0/25

All: 1050.335+/-0.165 χ^2/NDF: 7507219.7/46

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 176.950+/-44.350 χ^2/NDF:5.2/6

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: 109.597+/-32.786 χ^2/NDF: 14.2/11

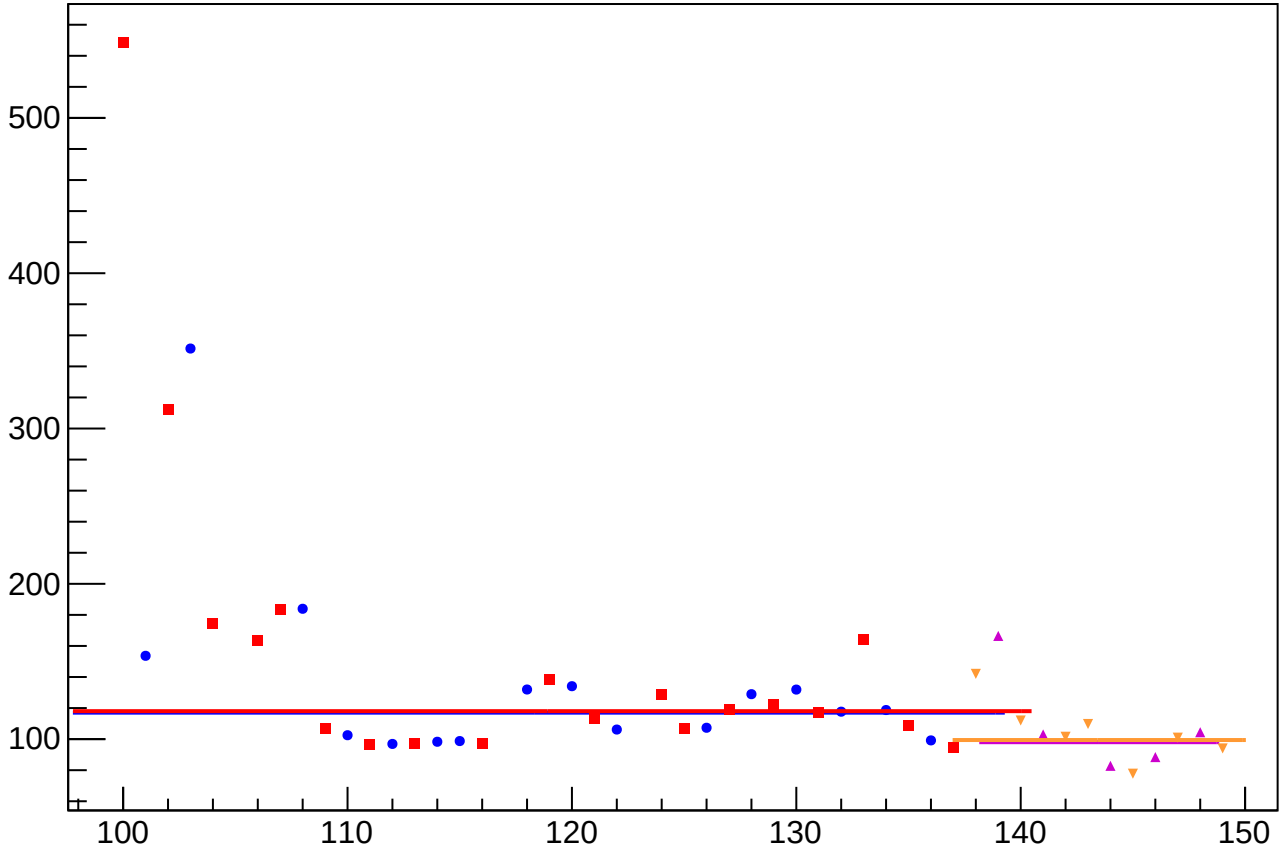
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 22.992+/-33.321 χ^2/NDF:17.7/20

Out: 144.161+/-31.870 χ^2/NDF:31.8/25

All: 86.273+/-23.031 χ^2/NDF: 56.4/46

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.416+/-0.031 χ^2/NDF:290910.9/6

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

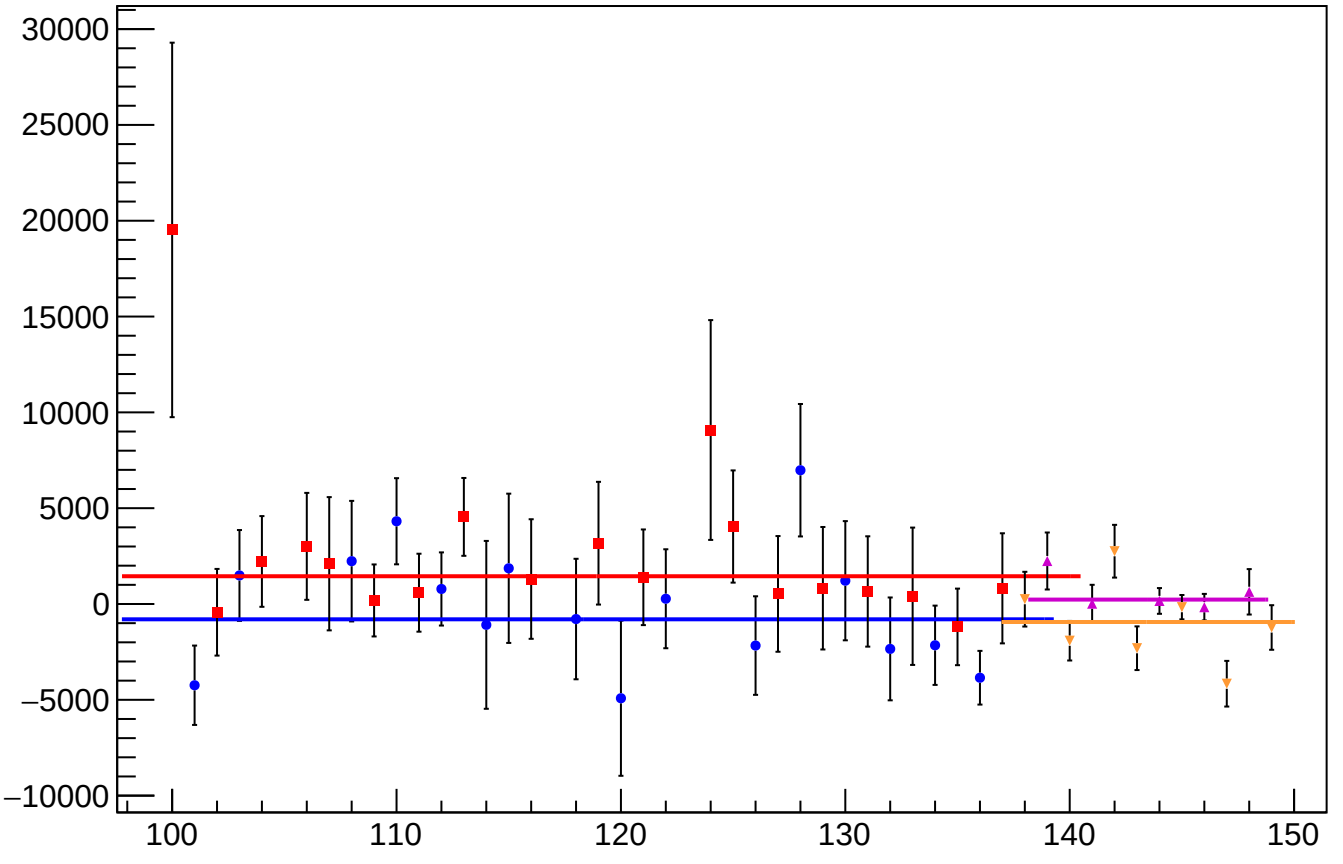
Left: 98.788+/-0.023 χ^2/NDF: 663310.6/11

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.147+/-0.024 χ^2/NDF:1392360.7/20

Out: 108.406+/-0.023 χ^2/NDF:1447397.5/25

All: 108.283+/-0.016 χ^2/NDF: 2839821.4/46



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -939.184+/-387.818 χ^2/NDF:19.1/6

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 229.991+/-392.347 χ^2/NDF:2.3/4

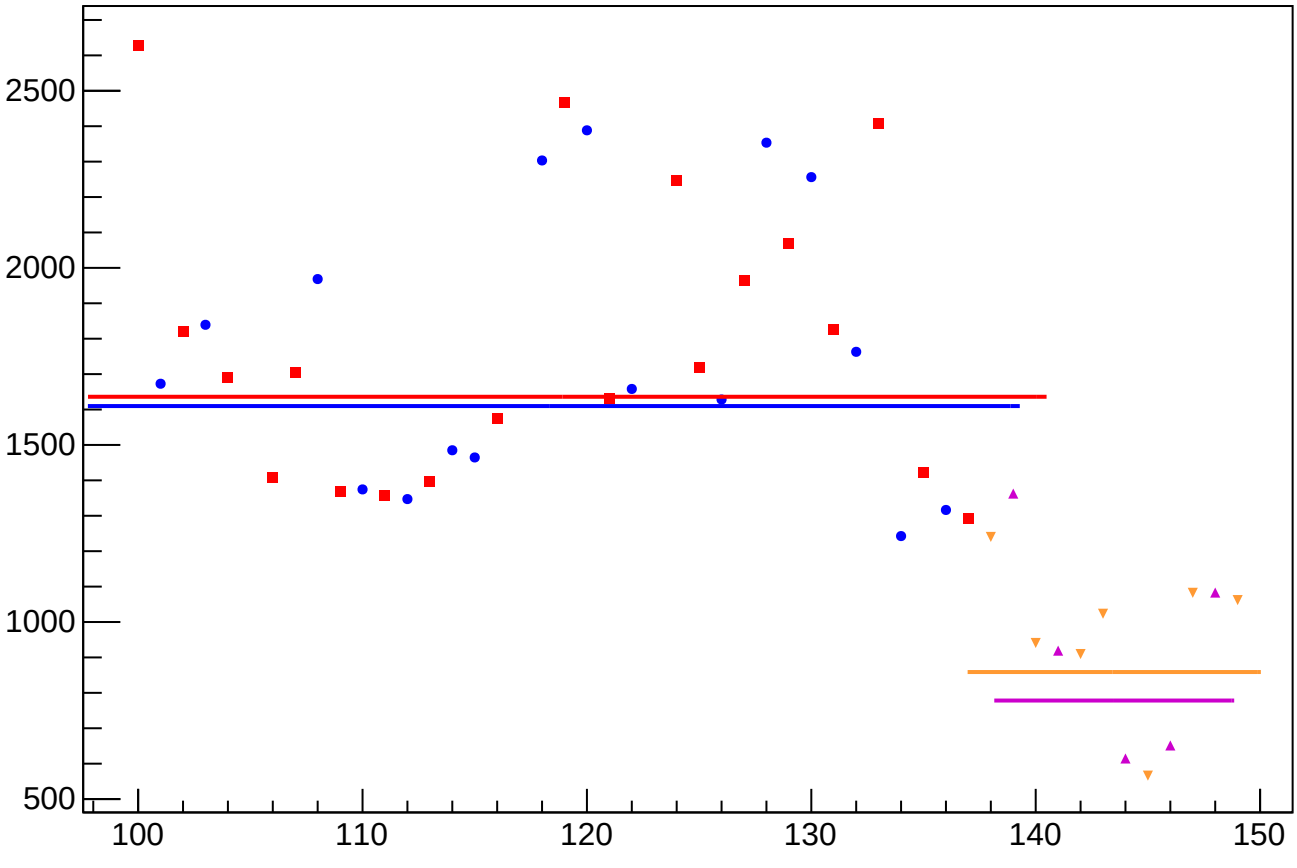
Left: -361.382+/-275.816 χ^2/NDF: 25.9/11

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -66.998+/-330.926 χ^2/NDF:27.8/20

Out: -258.987+/-327.957 χ^2/NDF:42.3/25

All: -163.858+/-232.943 χ^2/NDF: 70.3/46



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 858.770+/-0.274 χ^2/NDF:755516.3/6

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: 818.992+/-0.195 χ^2/NDF: 1466021.3/11

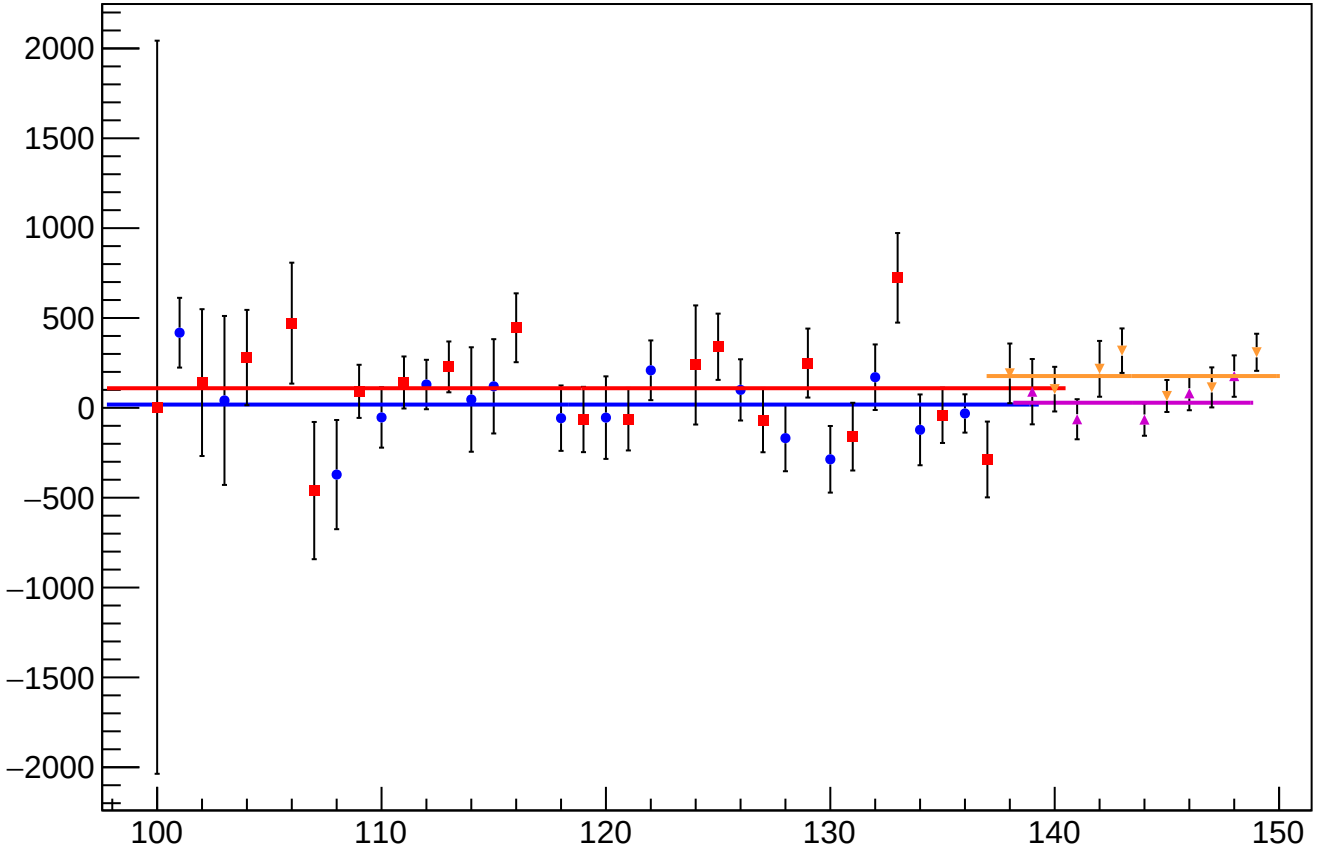
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1018.245+/-0.234 χ^2/NDF:3879512.2/20

Out: 1080.204+/-0.232 χ^2/NDF:3572048.1/25

All: 1049.504+/-0.165 χ^2/NDF: 7486931.7/46

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 176.950+/-44.350 χ^2/NDF:5.2/6

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: 109.597+/-32.786 χ^2/NDF: 14.2/11

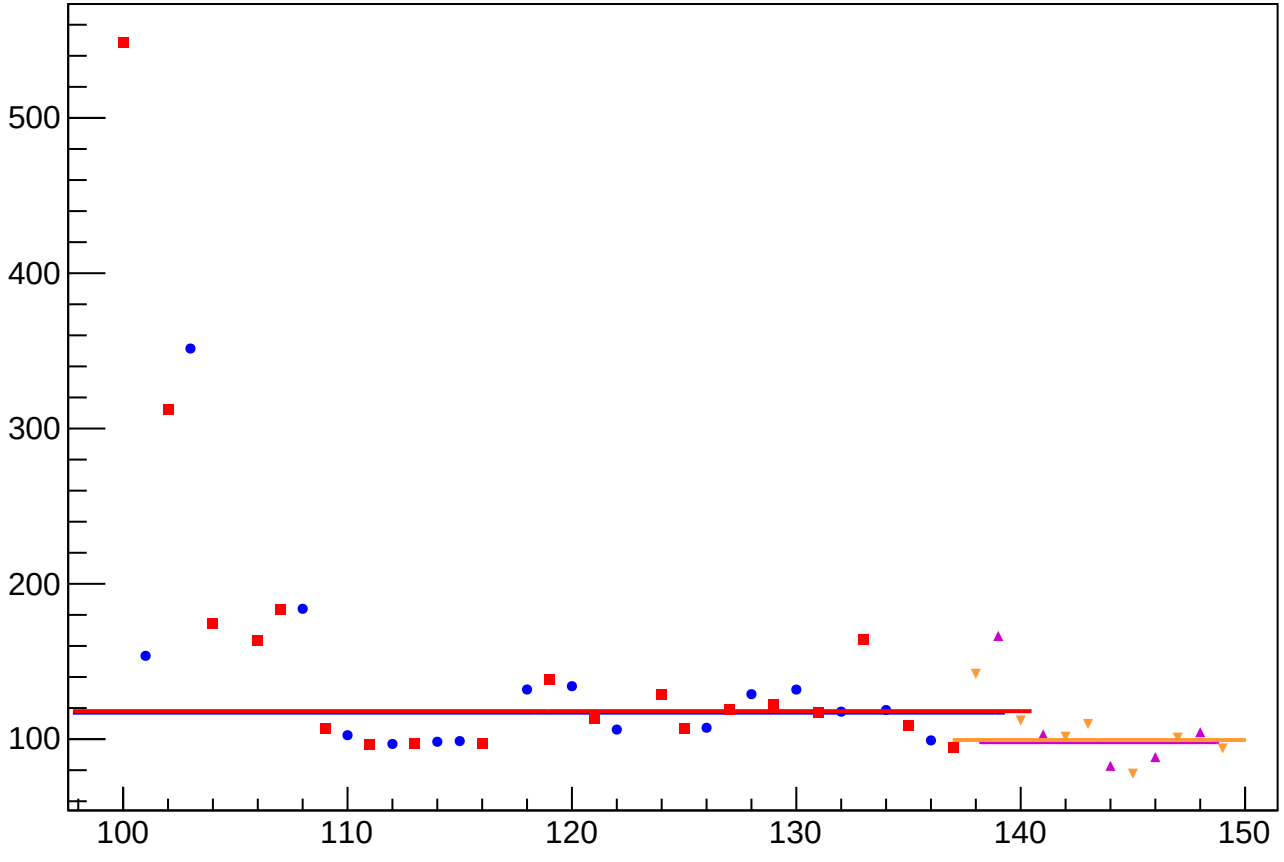
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 22.992+/-33.321 χ^2/NDF:17.7/20

Out: 144.161+/-31.870 χ^2/NDF:31.8/25

All: 86.273+/-23.031 χ^2/NDF: 56.4/46

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.416+/-0.031 χ^2/NDF:290910.9/6

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.032+/-0.034 χ^2/NDF:371516.0/4

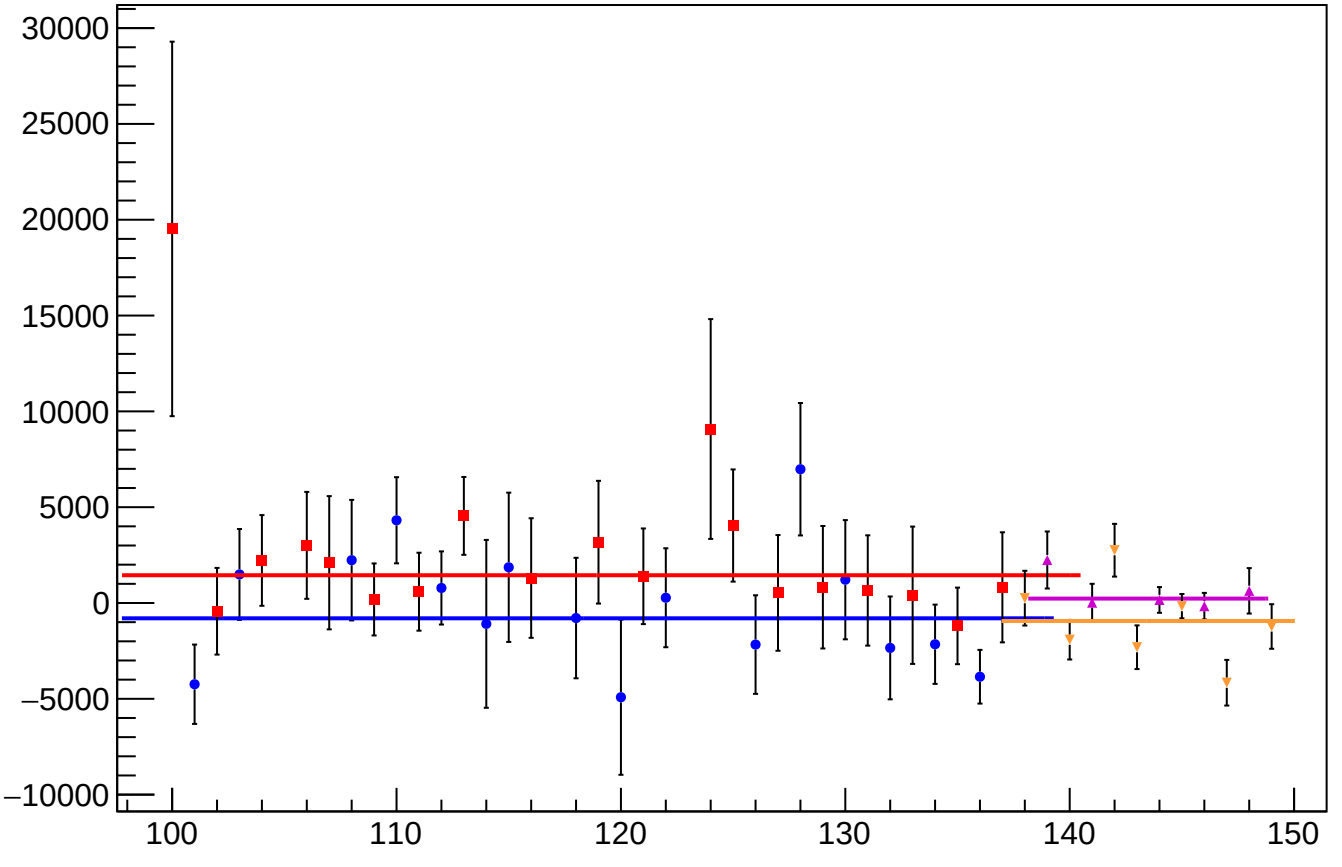
Left: 98.788+/-0.023 χ^2/NDF: 663310.6/11

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.147+/-0.024 χ^2/NDF:1392360.7/20

Out: 108.406+/-0.023 χ^2/NDF:1447397.5/25

All: 108.283+/-0.016 χ^2/NDF: 2839821.4/46



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -939.184+/-387.818 χ^2/NDF:19.1/6

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 229.991+/-392.347 χ^2/NDF:2.3/4

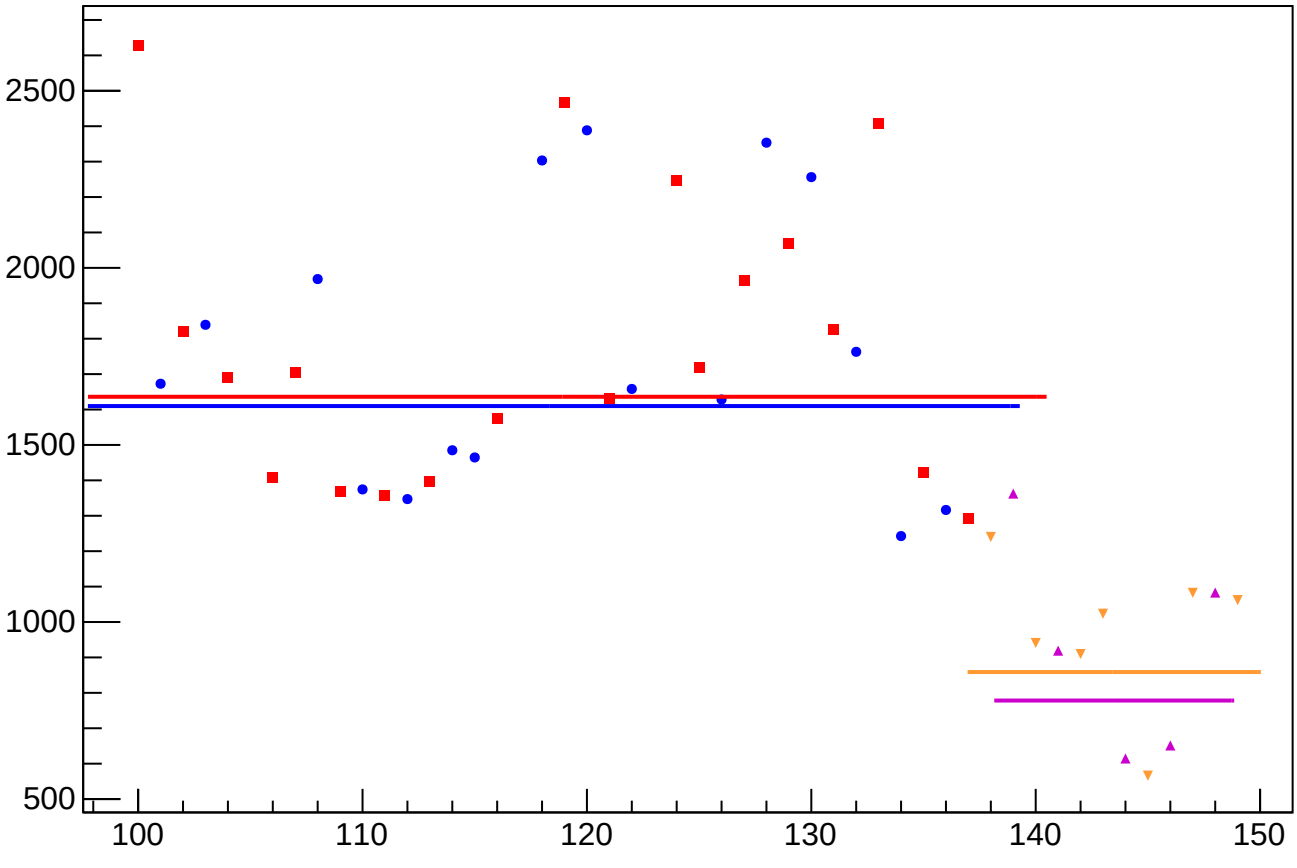
Left: -361.382+/-275.816 χ^2/NDF: 25.9/11

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -66.998+/-330.926 χ^2/NDF:27.8/20

Out: -258.987+/-327.957 χ^2/NDF:42.3/25

All: -163.858+/-232.943 χ^2/NDF: 70.3/46



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 858.770+/-0.274 χ^2/NDF:755516.3/6

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: 818.992+/-0.195 χ^2/NDF: 1466021.3/11

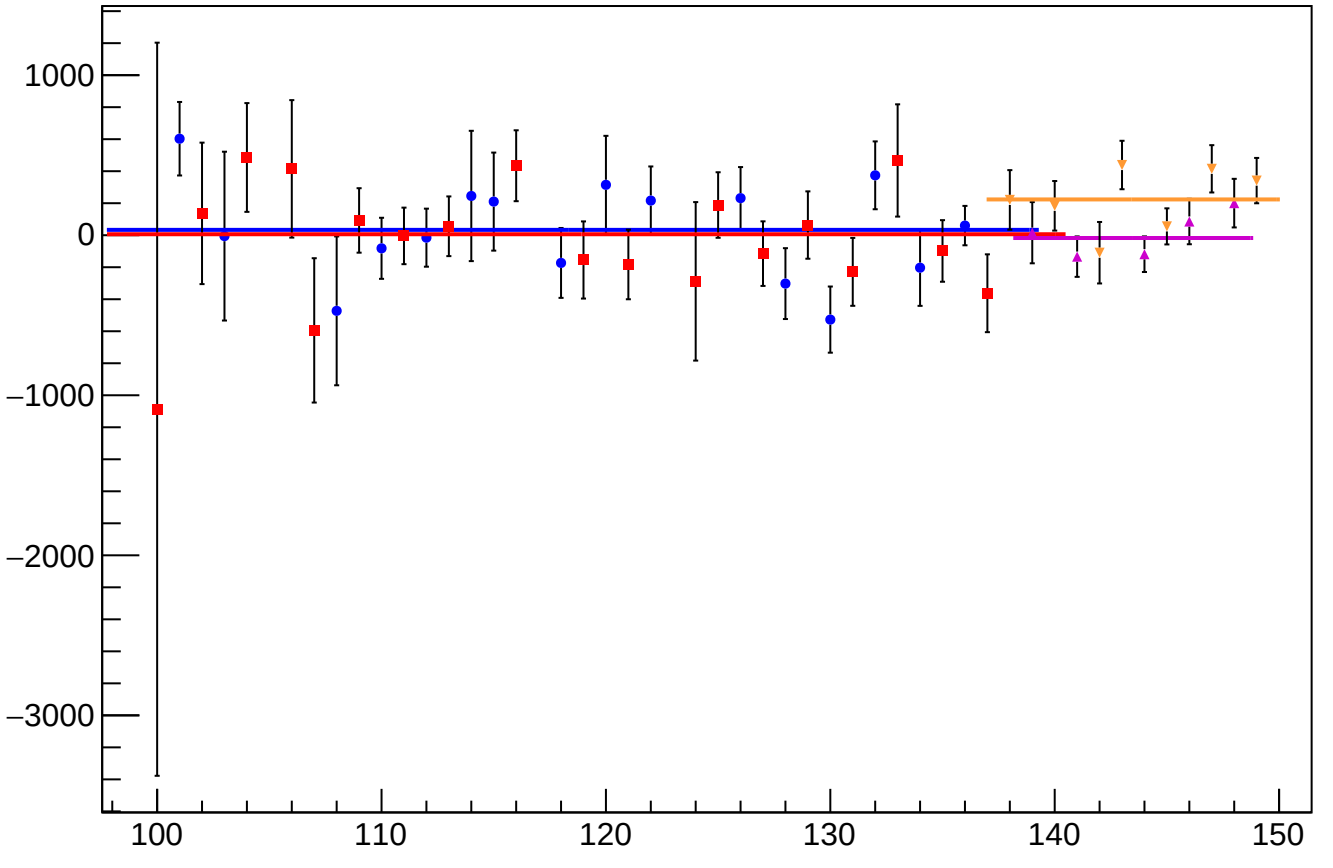
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1018.245+/-0.234 χ^2/NDF:3879512.2/20

Out: 1080.204+/-0.232 χ^2/NDF:3572048.1/25

All: 1049.504+/-0.165 χ^2/NDF: 7486931.7/46

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 223.584+/-56.291 χ^2/NDF:9.7/6

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: 113.875+/-41.548 χ^2/NDF: 22.3/11

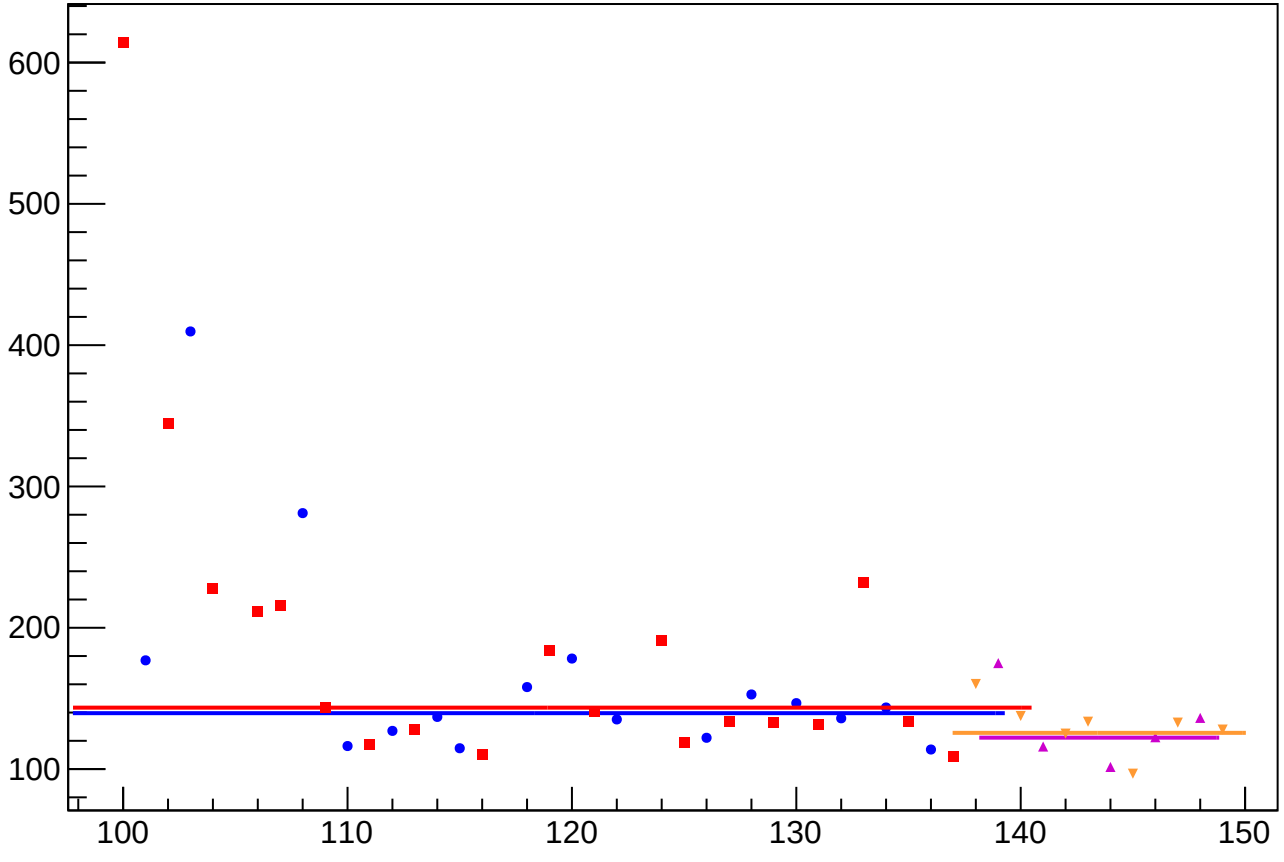
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 10.934+/-40.982 χ^2/NDF:29.8/20

Out: 114.456+/-39.733 χ^2/NDF:34.5/25

All: 64.297+/-28.527 χ^2/NDF: 67.6/46

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 125.639+/-0.040 χ^2/NDF:223116.8/6

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 122.233+/-0.044 χ^2/NDF:243714.5/4

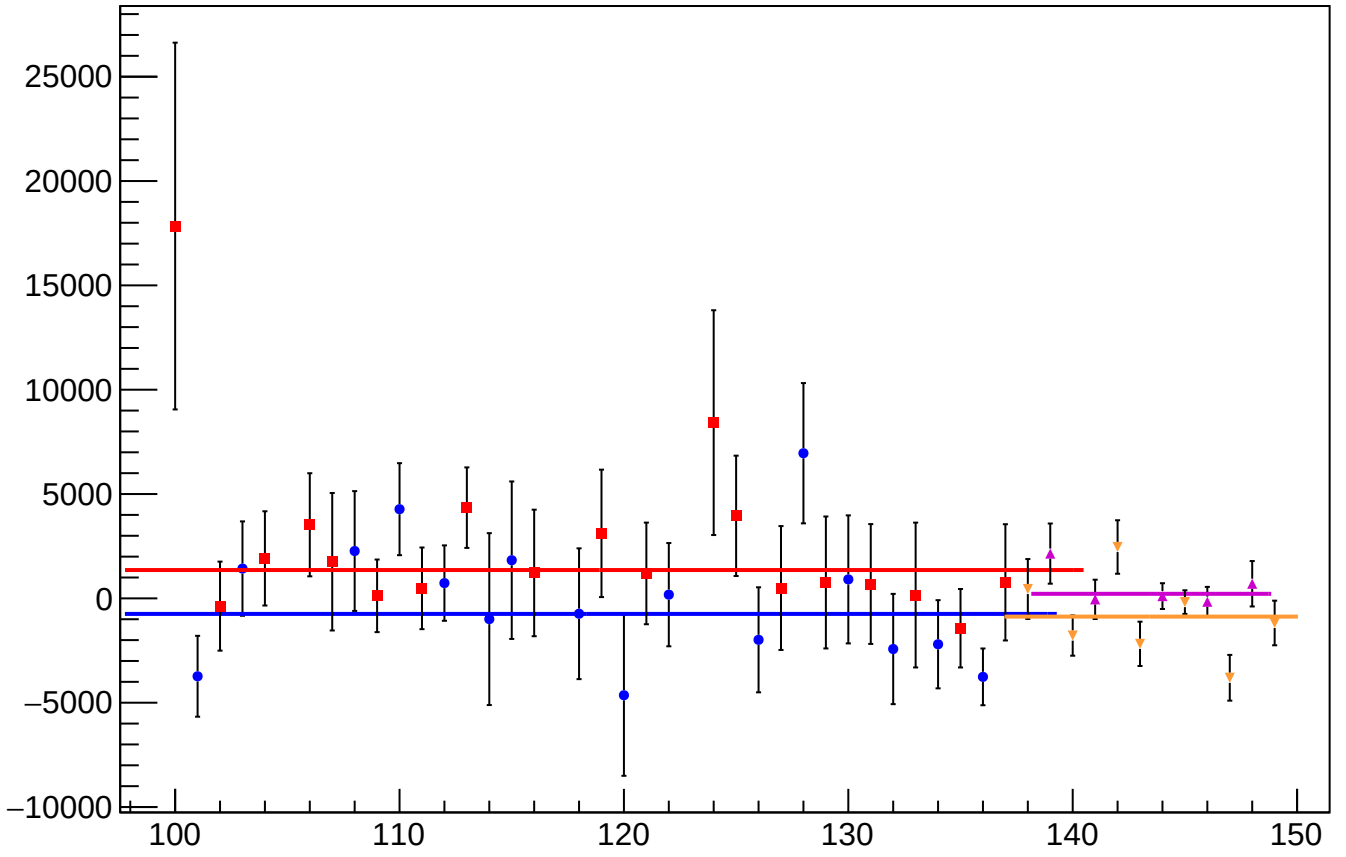
Left: 124.088+/-0.029 χ^2/NDF: 470163.8/11

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 131.889+/-0.029 χ^2/NDF:1308727.6/20

Out: 134.591+/-0.028 χ^2/NDF:1440596.7/25

All: 133.282+/-0.020 χ^2/NDF: 2753804.7/46



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -873.502+/-356.170 χ^2/NDF:18.8/6

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 218.290+/-376.792 χ^2/NDF:2.4/4

Left: -358.299+/-258.834 χ^2/NDF: 25.6/11

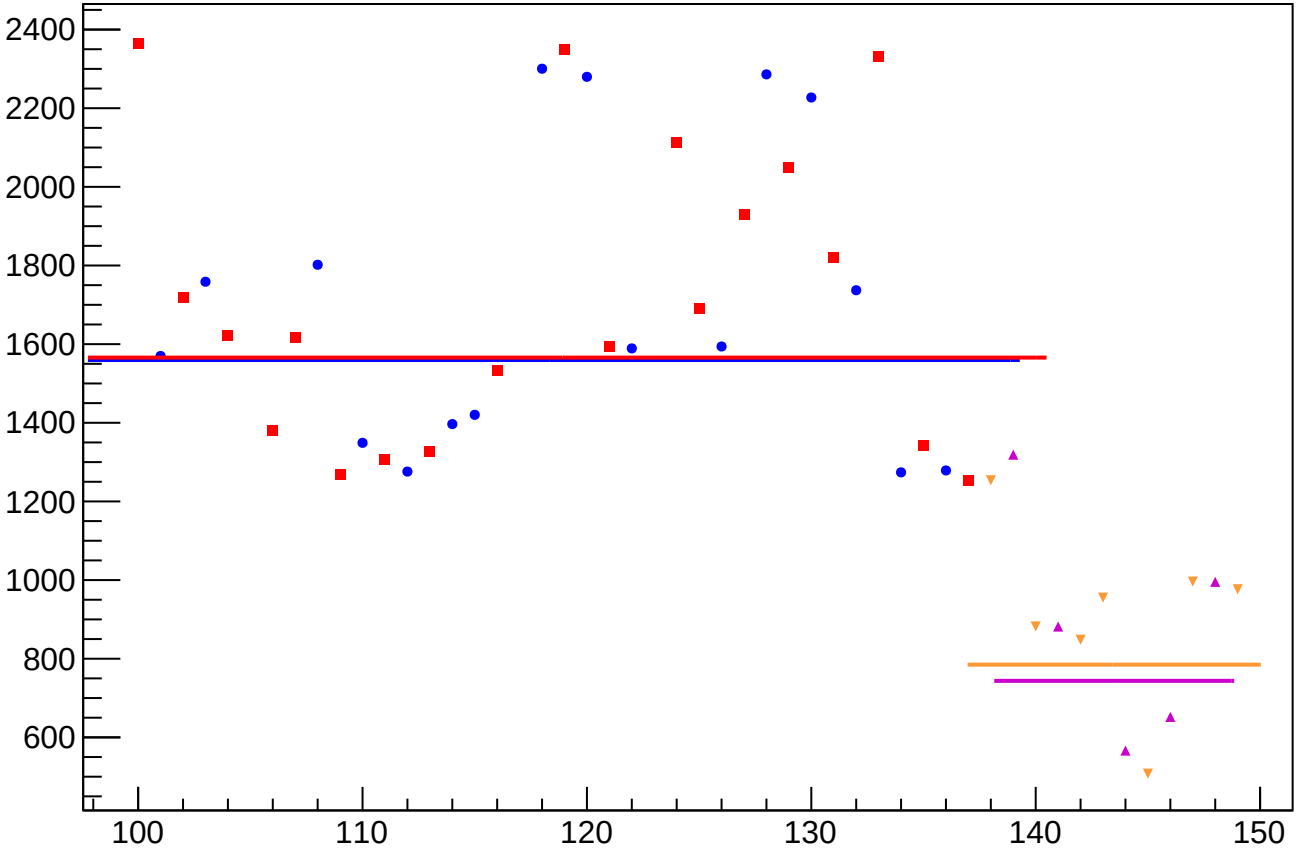
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -56.812+/-318.455 χ^2/NDF:27.7/20

Out: -271.269+/-304.335 χ^2/NDF:42.9/25

All: -168.901+/-220.020 χ^2/NDF: 70.8/46

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 784.936+/-0.252 χ^2/NDF:908204.3/6

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 743.741+/-0.266 χ^2/NDF:666314.8/4

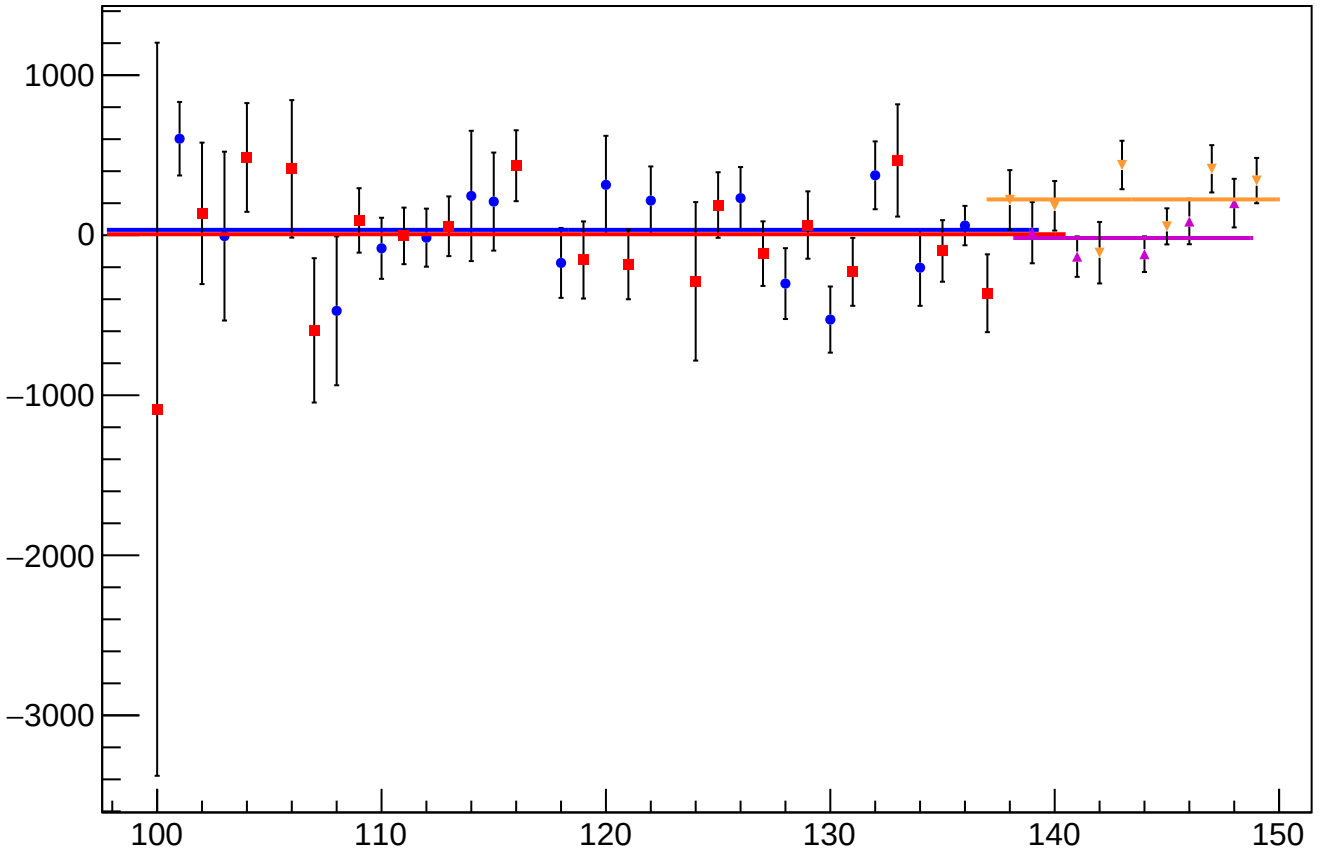
Left: 765.496+/-0.183 χ^2/NDF: 1587144.5/11

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 976.855+/-0.225 χ^2/NDF:3950196.5/20

Out: 995.688+/-0.215 χ^2/NDF:4066625.6/25

All: 986.698+/-0.156 χ^2/NDF: 8020477.9/46



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 223.583+/-56.291 χ^2/NDF:9.7/6

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: 113.875+/-41.548 χ^2/NDF: 22.3/11

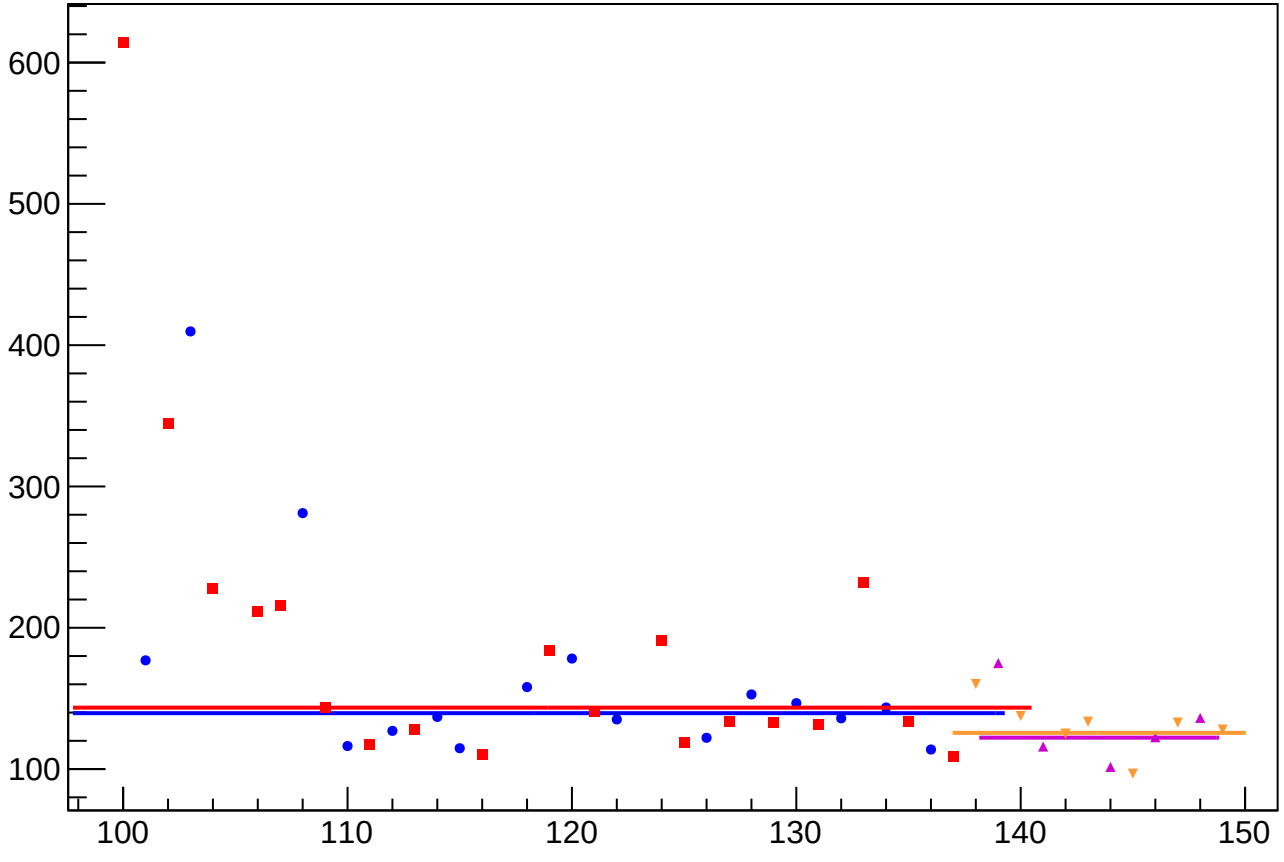
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 10.933+/-40.982 χ^2/NDF:29.8/20

Out: 114.453+/-39.733 χ^2/NDF:34.5/25

All: 64.295+/-28.527 χ^2/NDF: 67.6/46

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 125.639+/-0.040 χ^2/NDF:223120.3/6

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 122.233+/-0.044 χ^2/NDF:243713.4/4

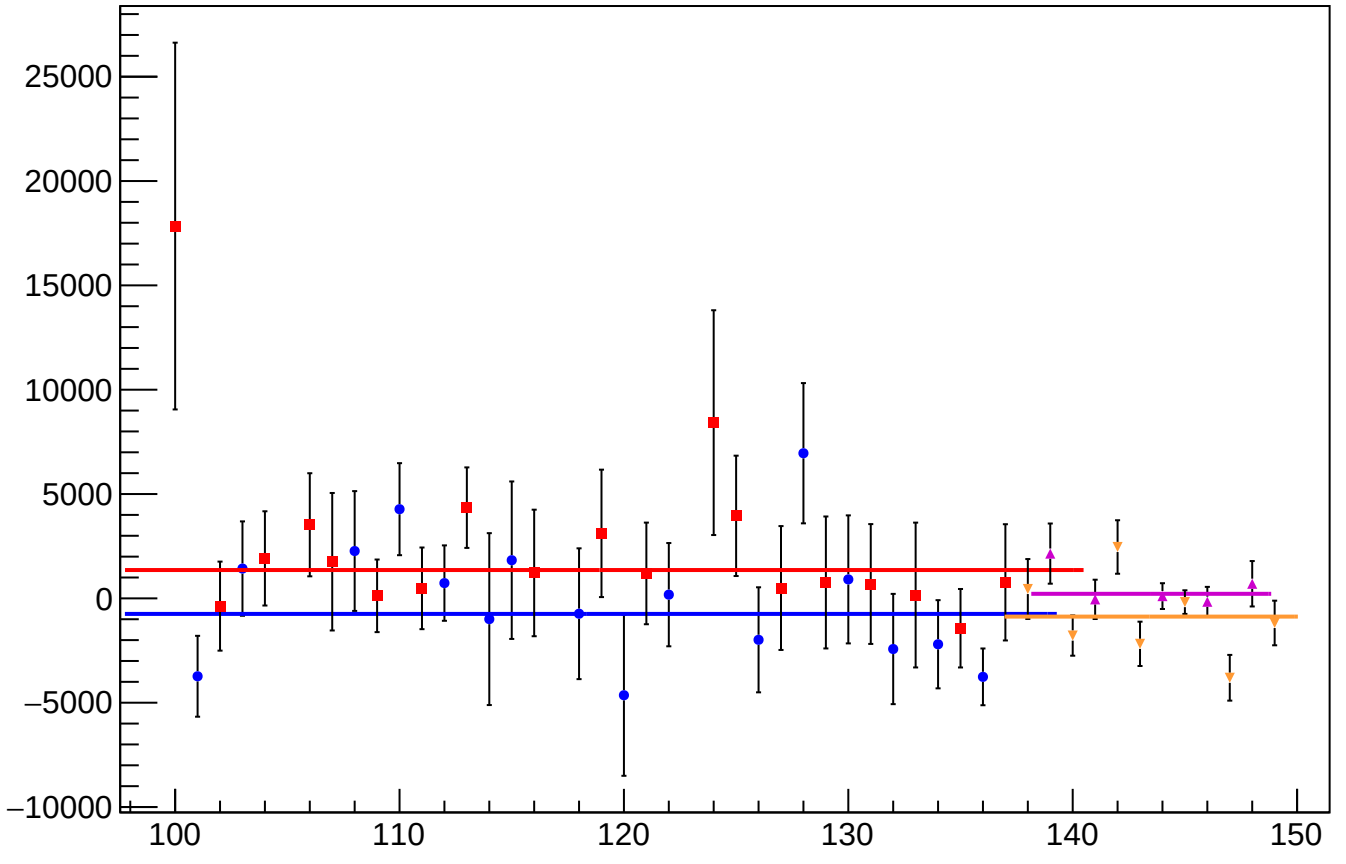
Left: 124.089+/-0.029 χ^2/NDF: 470166.5/11

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 131.890+/-0.029 χ^2/NDF:1308728.2/20

Out: 134.591+/-0.028 χ^2/NDF:1440605.8/25

All: 133.282+/-0.020 χ^2/NDF: 2753815.0/46



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -873.505+/-356.170 χ^2/NDF:18.8/6

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 218.290+/-376.792 χ^2/NDF:2.4/4

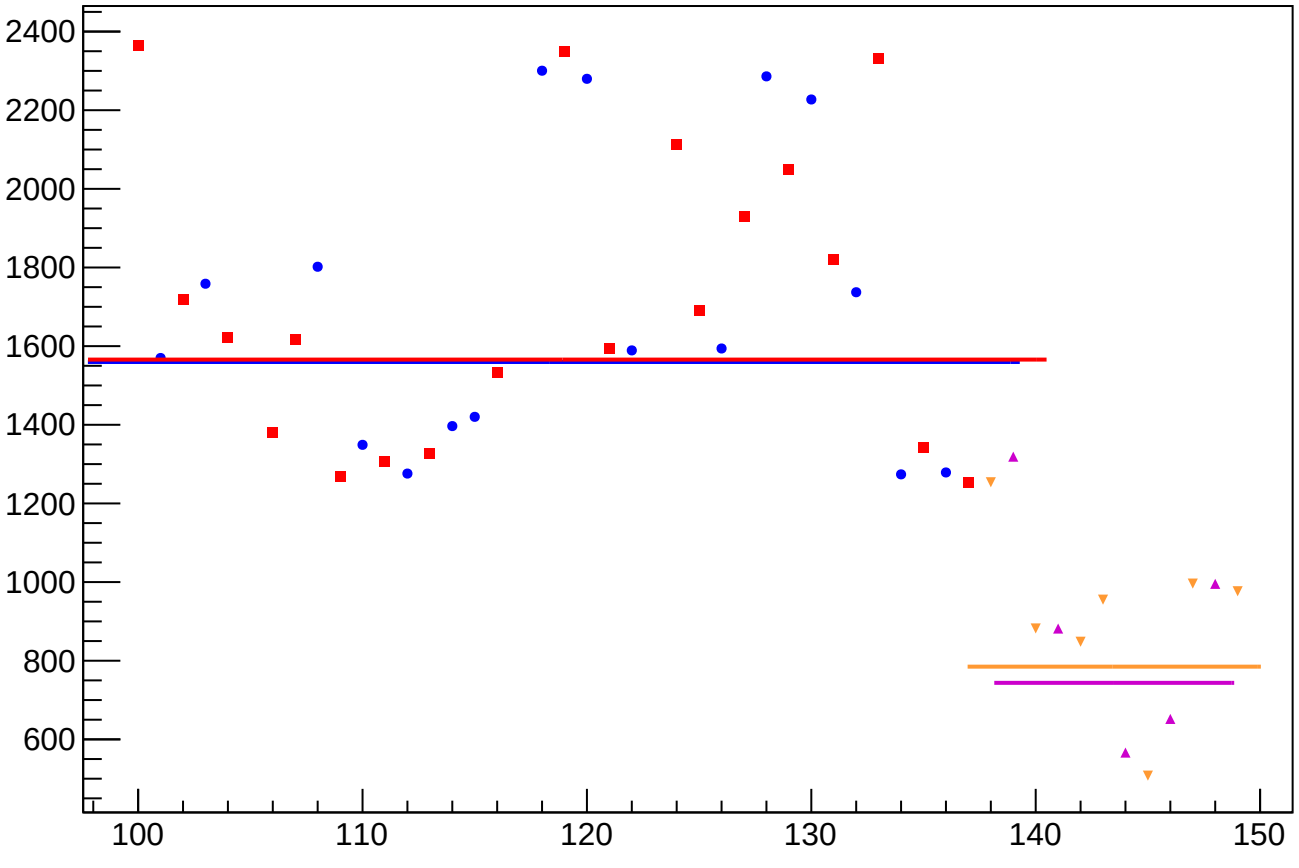
Left: -358.301+/-258.834 χ^2/NDF: 25.6/11

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -56.812+/-318.455 χ^2/NDF:27.7/20

Out: -271.271+/-304.334 χ^2/NDF:42.9/25

All: -168.902+/-220.019 χ^2/NDF: 70.8/46



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 784.935+/-0.252 χ^2/NDF:908205.0/6

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: 765.496+/-0.183 χ^2/NDF: 1587146.2/11

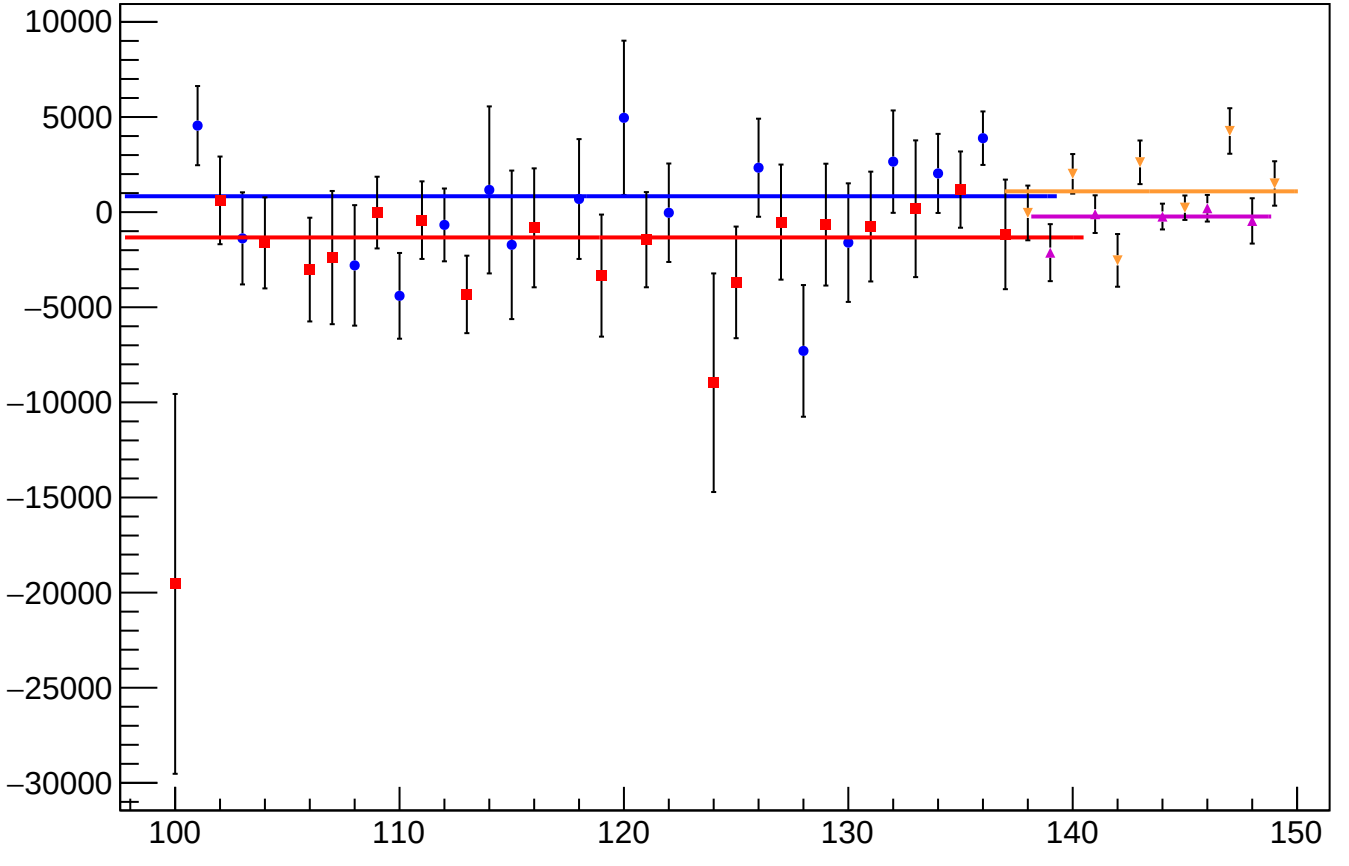
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 976.854+/-0.225 χ^2/NDF:3950197.1/20

Out: 995.687+/-0.215 χ^2/NDF:4066621.5/25

All: 986.697+/-0.156 χ^2/NDF: 8020474.3/46

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1093.366+/-390.778 χ^2/NDF:19.0/6

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -229.943+/-395.743 χ^2/NDF:2.0/4

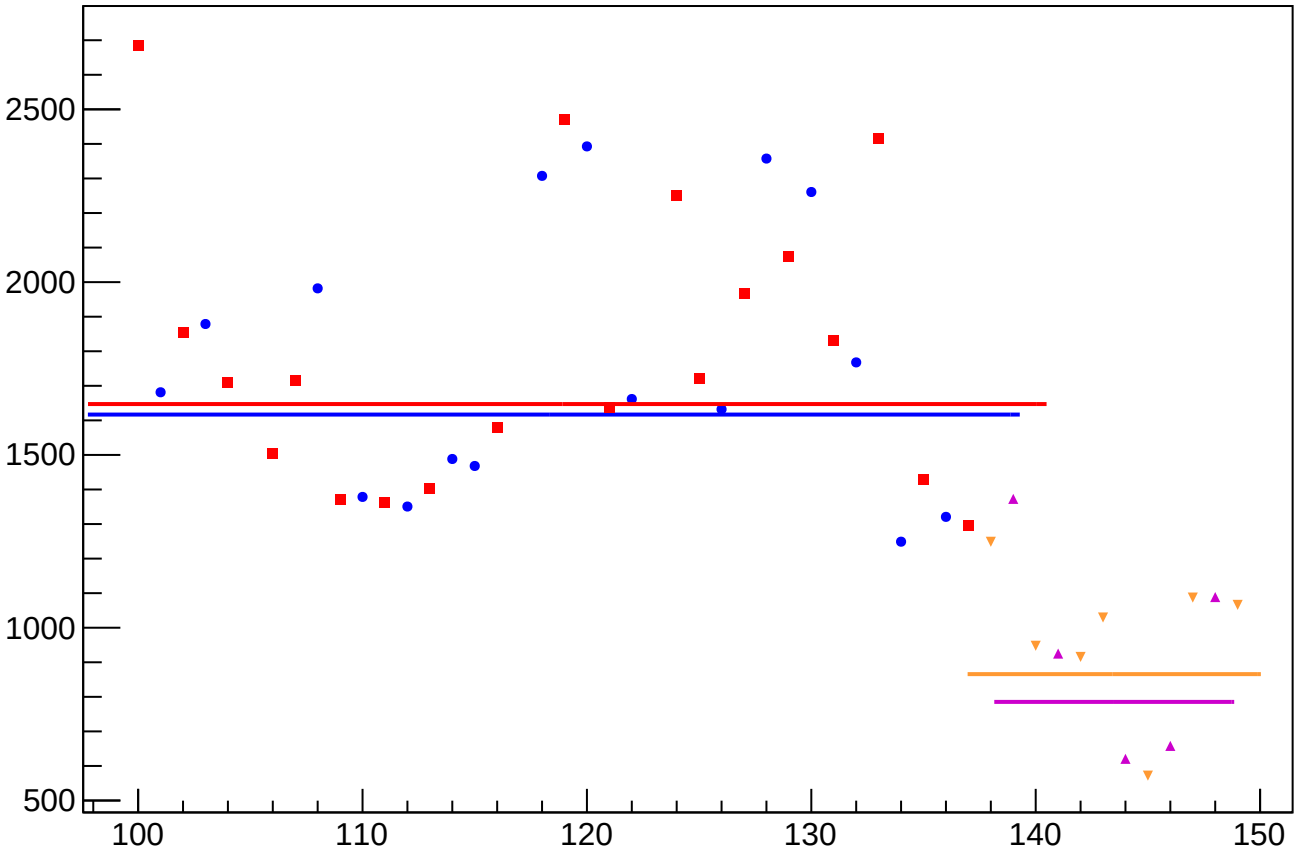
Left: 440.064+/-278.061 χ^2/NDF: 26.7/11

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 79.344+/-333.391 χ^2/NDF:29.0/20

Out: 398.786+/-330.046 χ^2/NDF:42.1/25

All: 240.675+/-234.552 χ^2/NDF: 71.6/46



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 865.729+/-0.276 χ^2/NDF:743927.5/6

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 785.369+/-0.280 χ^2/NDF:661275.0/4

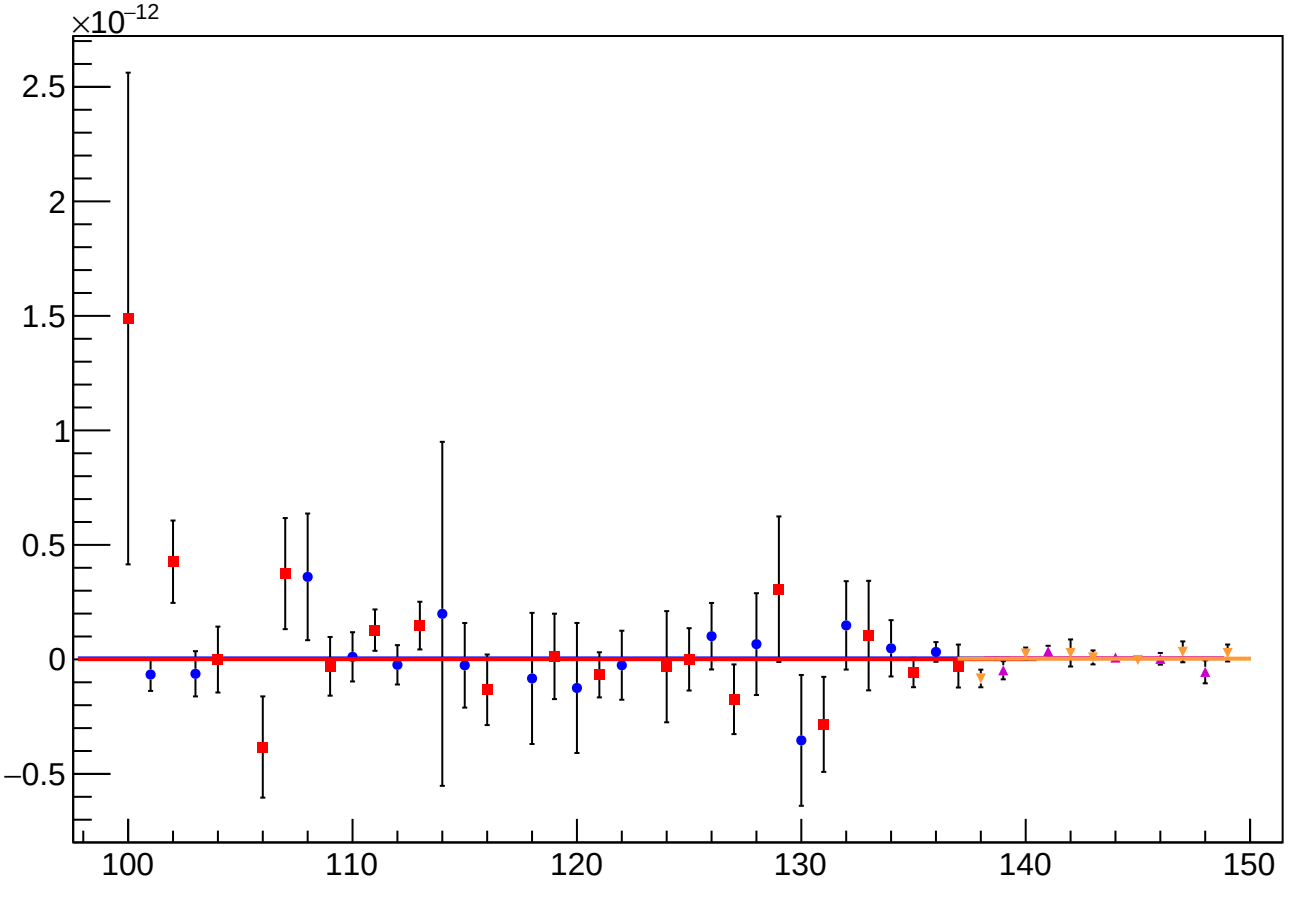
Left: 826.056+/-0.197 χ^2/NDF: 1446956.8/11

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1026.727+/-0.236 χ^2/NDF:3846225.9/20

Out: 1089.763+/-0.233 χ^2/NDF:3560824.8/25

All: 1058.563+/-0.166 χ^2/NDF: 7443160.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/4

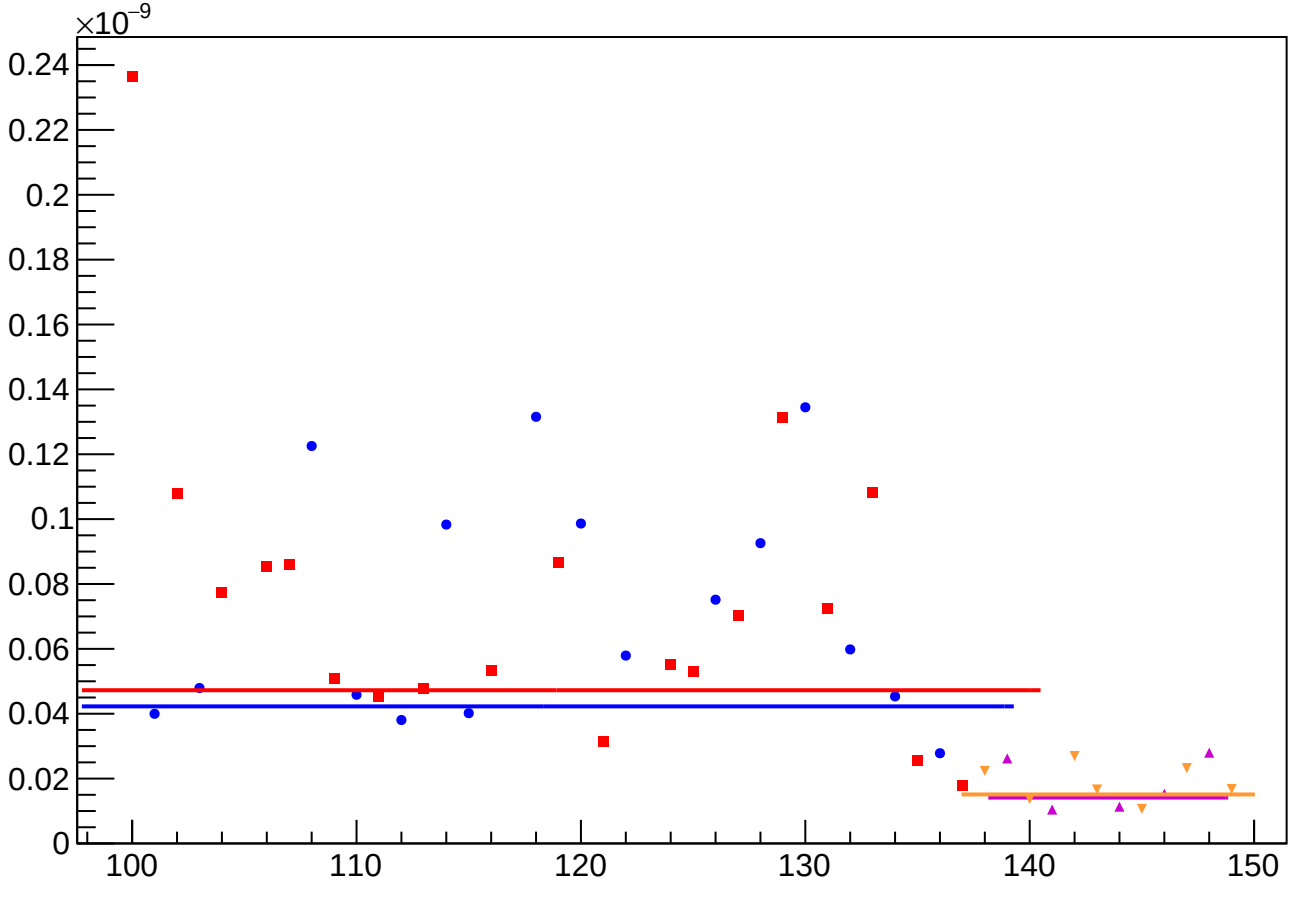
Left: 0.000+/-0.000 χ^2/NDF: 11.8/11

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:30.4/25

All: 0.000+/-0.000 χ^2/NDF: 42.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:345943.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:438787.9/4

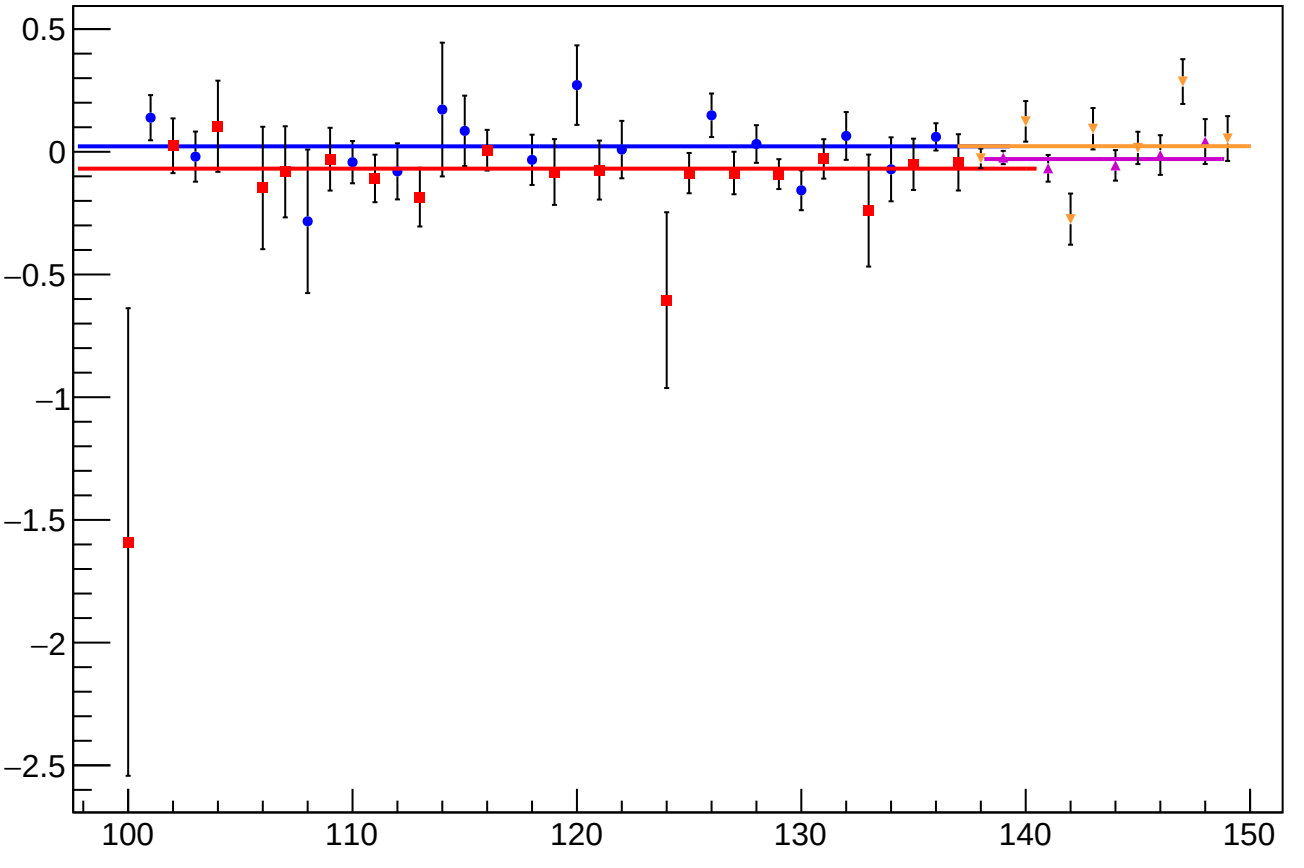
Left: 0.000+/-0.000 χ^2/NDF: 791779.1/11

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:3724720.6/25

All: 0.000+/-0.000 χ^2/NDF: 7118182.0/46



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.023+/-0.026 χ^2/NDF:20.3/6

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

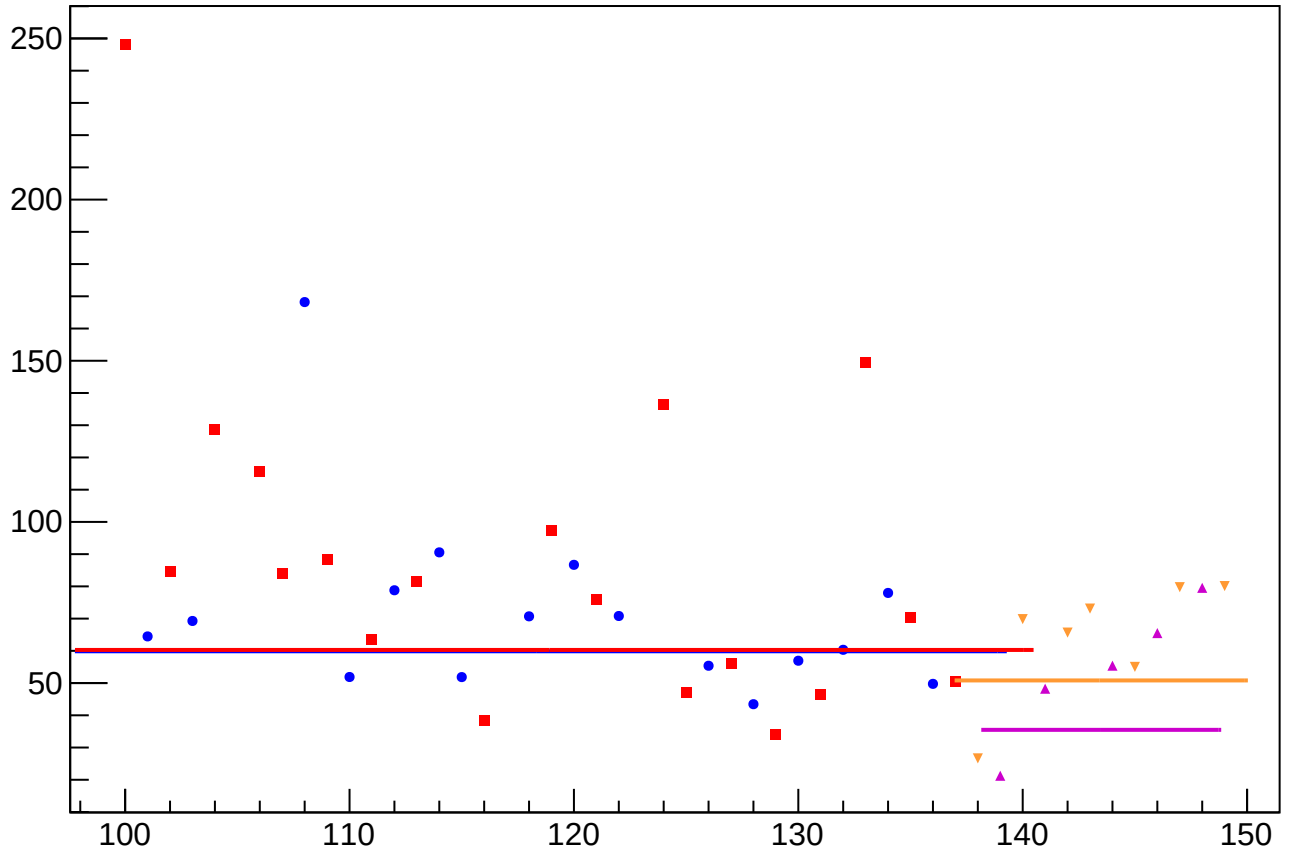
Left: -0.009+/-0.016 χ^2/NDF: 24.1/11

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.024+/-0.018 χ^2/NDF:36.3/25

All: -0.015+/-0.012 χ^2/NDF: 56.2/46



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 50.819+/-0.018 χ^2/NDF:1438611.6/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

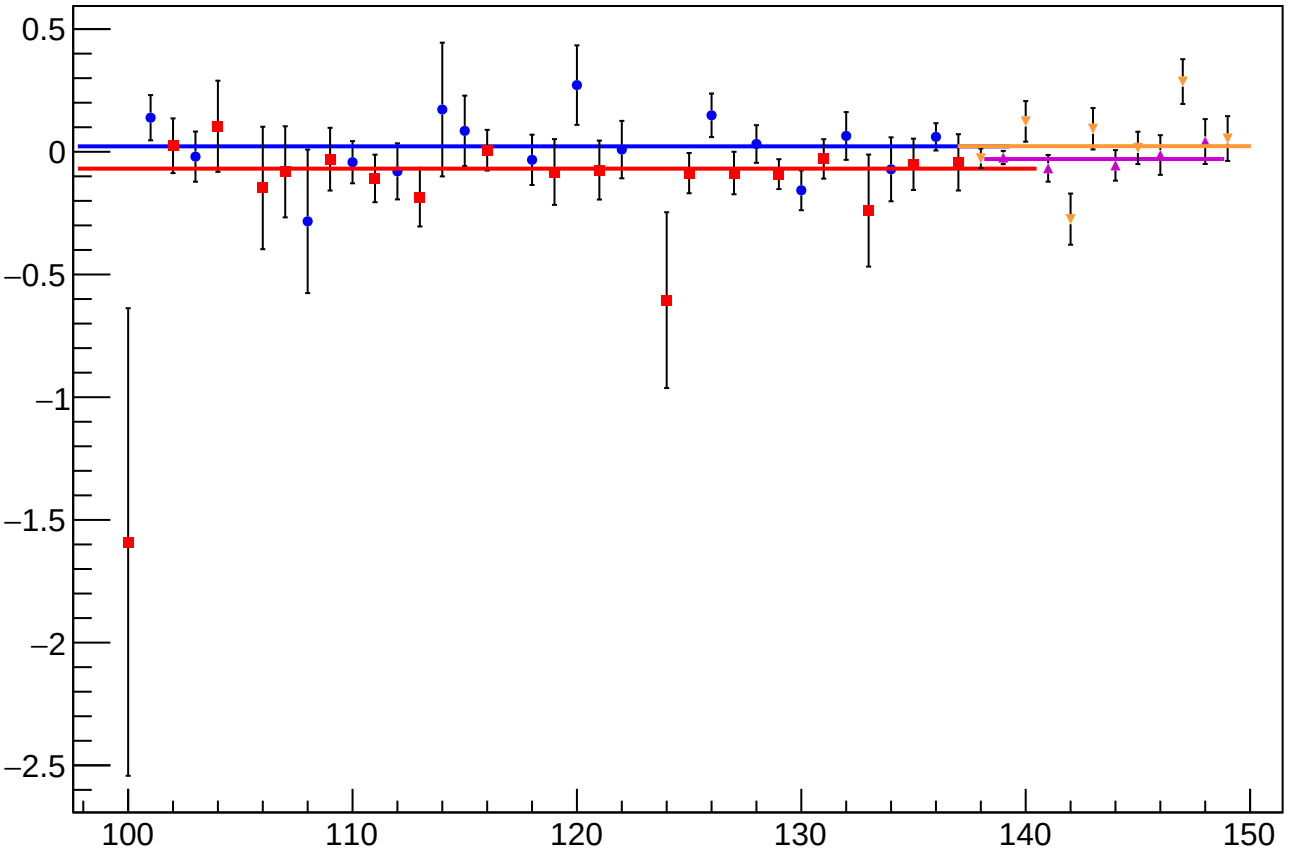
Left: 41.611+/-0.012 χ^2/NDF: 3461313.9/11

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 45.840+/-0.011 χ^2/NDF:3427223.7/20

Out: 55.681+/-0.013 χ^2/NDF:3551927.9/25

All: 50.175+/-0.009 χ^2/NDF: 7309122.9/46



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.023+/-0.026 χ^2/NDF:20.3/6

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

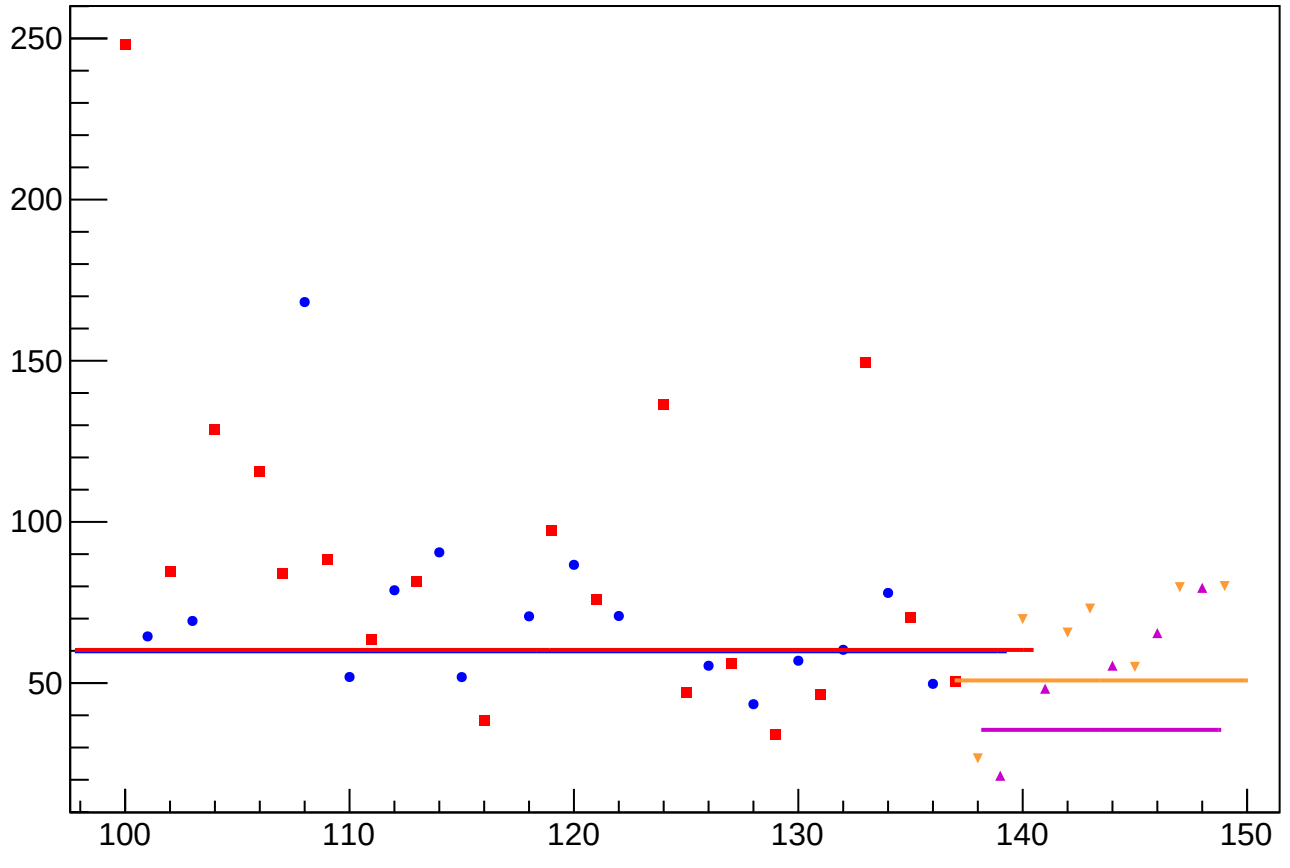
Left: -0.009+/-0.016 χ^2/NDF: 24.1/11

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.024+/-0.018 χ^2/NDF:36.3/25

All: -0.015+/-0.012 χ^2/NDF: 56.2/46



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 50.819+/-0.018 χ^2/NDF:1438611.6/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 35.488+/-0.015 χ^2/NDF:1604902.3/4

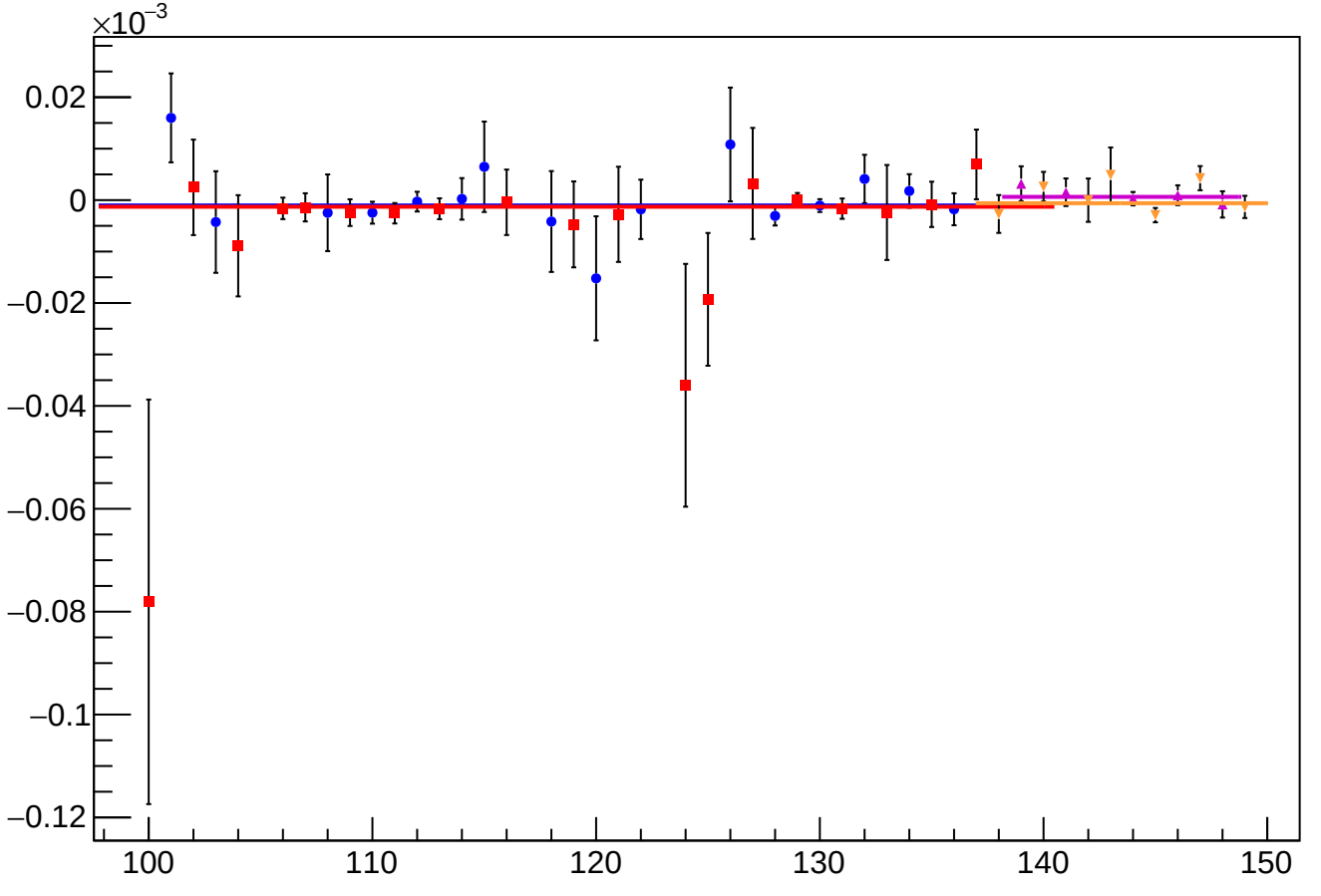
Left: 41.611+/-0.012 χ^2/NDF: 3461313.9/11

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 45.840+/-0.011 χ^2/NDF:3427223.7/20

Out: 55.681+/-0.013 χ^2/NDF:3551927.9/25

All: 50.175+/-0.009 χ^2/NDF: 7309122.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/4

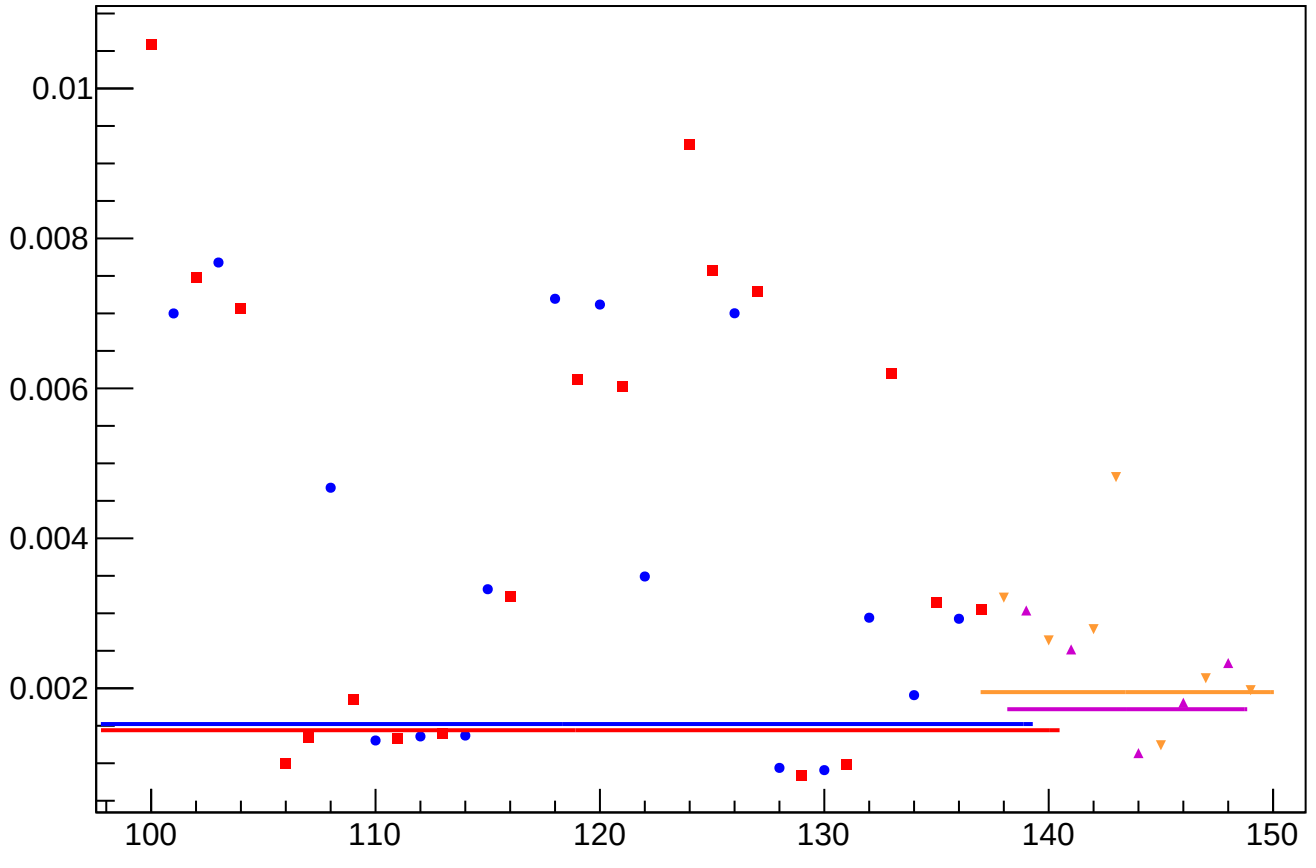
Left: 0.000+/-0.000 χ^2/NDF: 11.8/11

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:22.6/25

All: -0.000+/-0.000 χ^2/NDF: 37.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1531448.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1000159.4/4

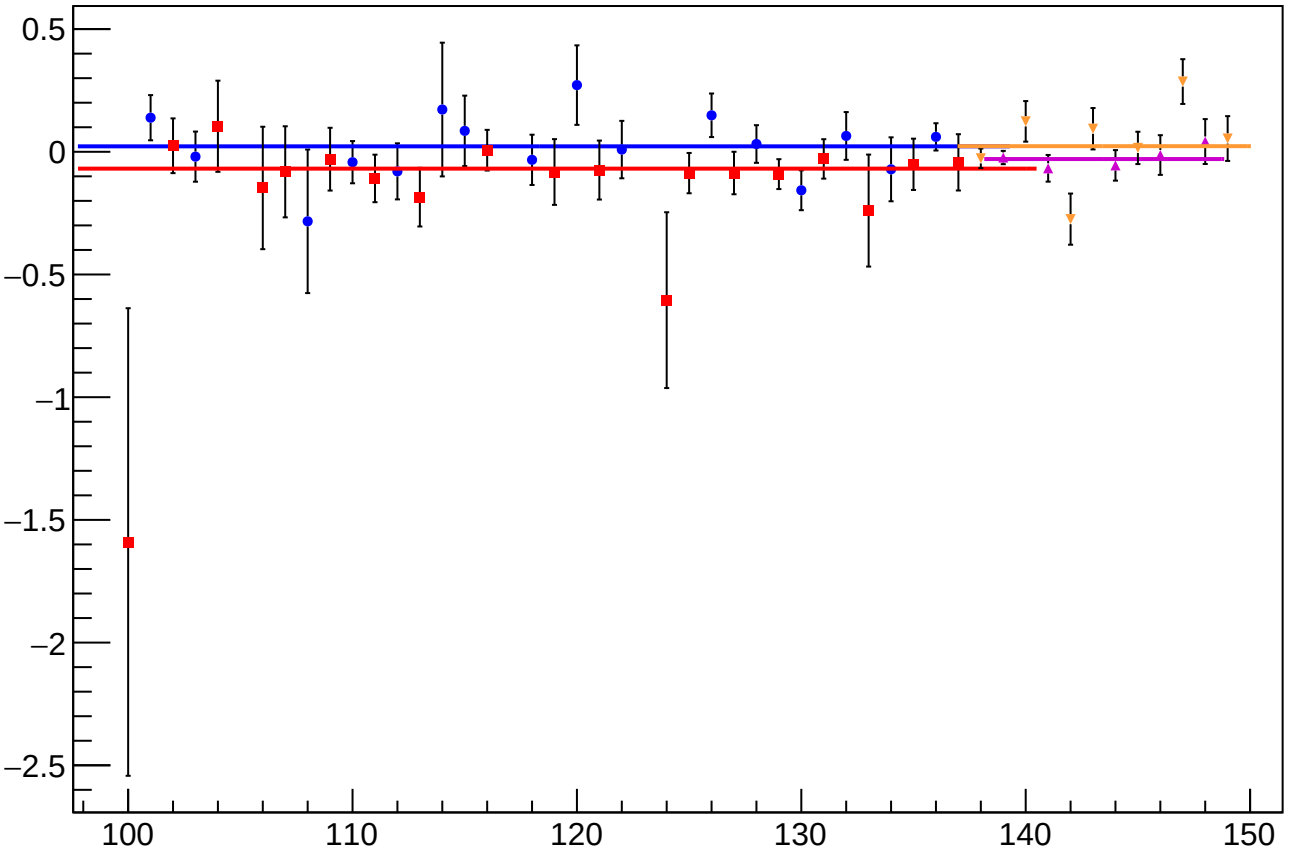
Left: 0.002+/-0.000 χ^2/NDF: 2594700.4/11

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:7710157.7/25

All: 0.002+/-0.000 χ^2/NDF: 13952910.7/46



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.023+/-0.026 χ^2/NDF:20.3/6

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.030+/-0.021 χ^2/NDF:1.4/4

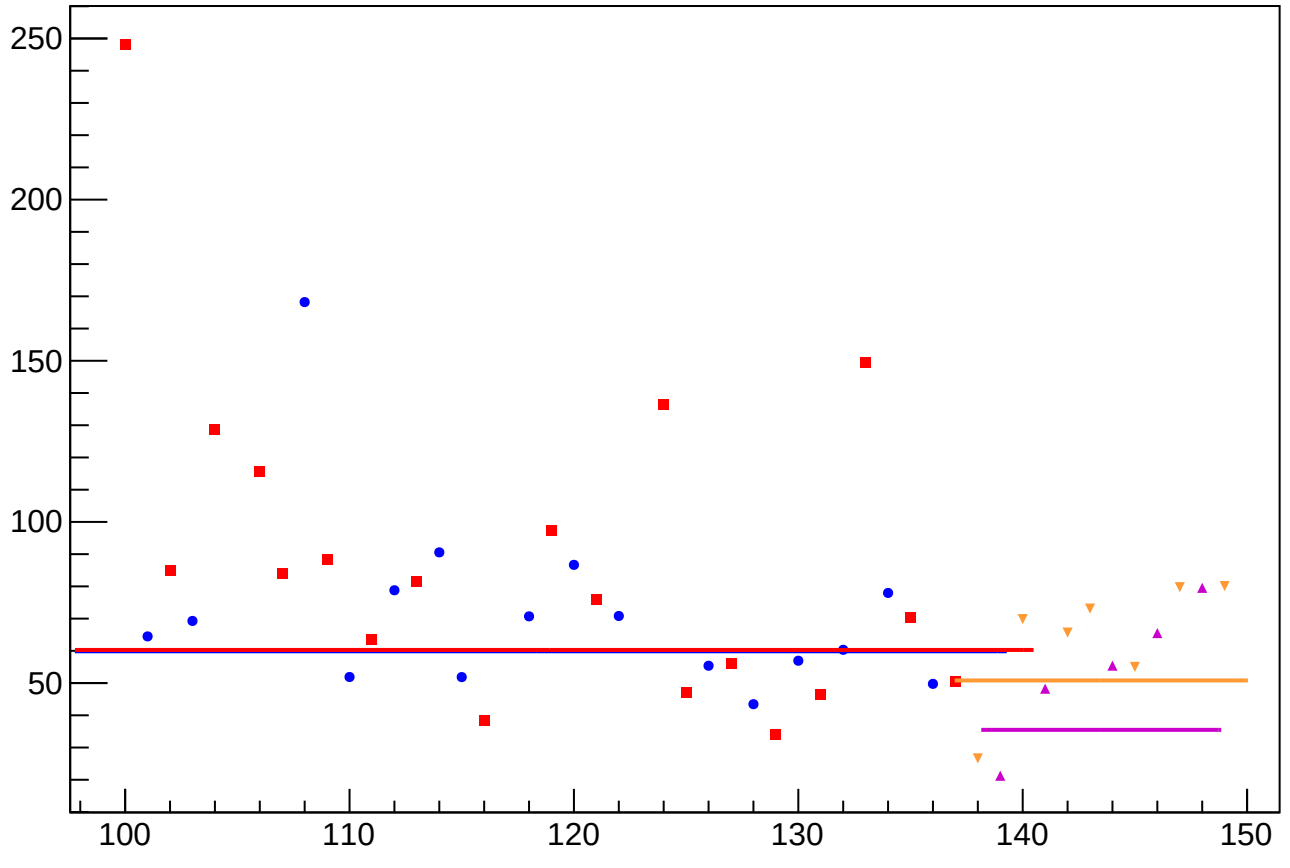
Left: -0.009+/-0.016 χ^2/NDF: 24.1/11

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.024+/-0.018 χ^2/NDF:36.3/25

All: -0.015+/-0.012 χ^2/NDF: 56.2/46



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 50.818+/-0.018 χ^2/NDF:1438876.2/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

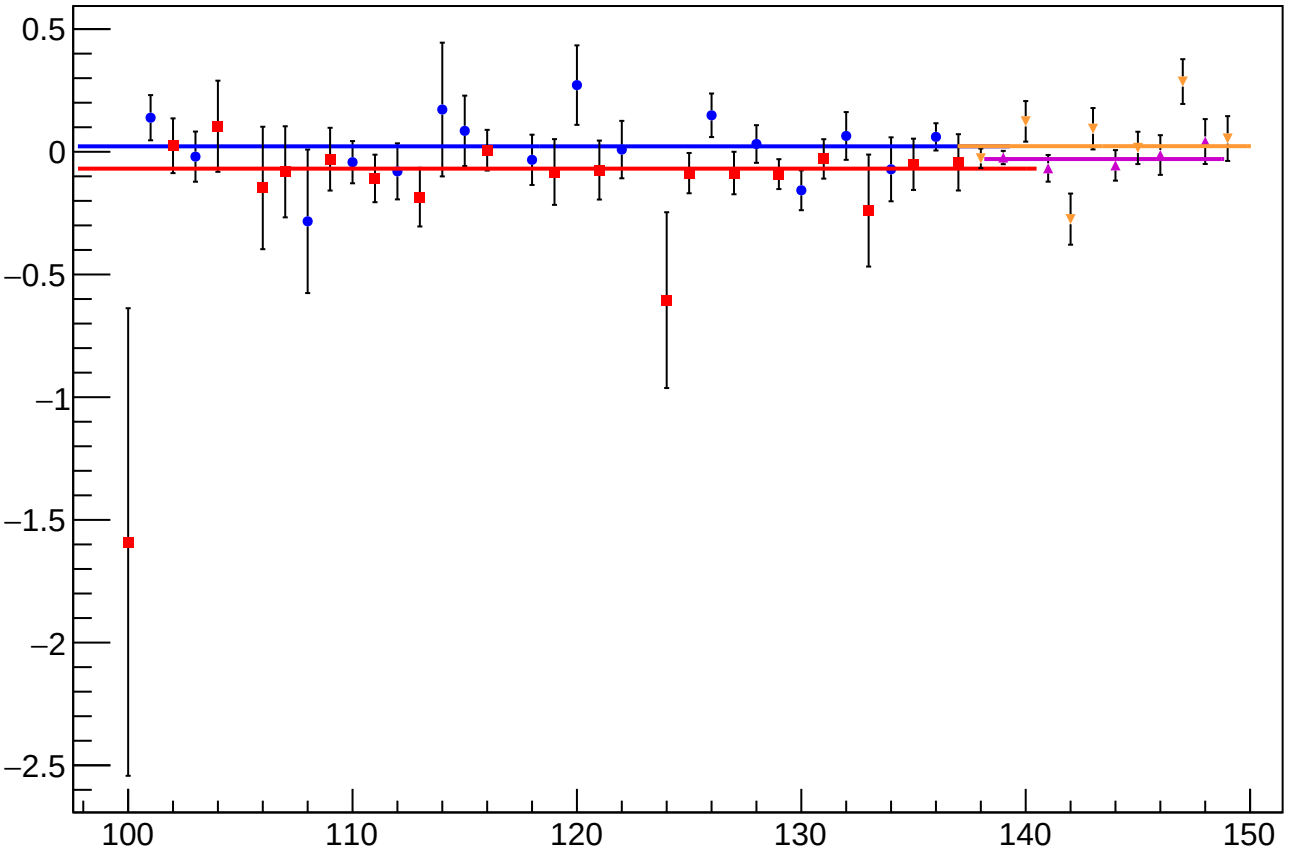
Left: 41.609+/-0.012 χ^2/NDF: 3461764.8/11

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 45.839+/-0.011 χ^2/NDF:3427668.1/20

Out: 55.680+/-0.013 χ^2/NDF:3552328.9/25

All: 50.174+/-0.009 χ^2/NDF: 7309991.6/46



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.023+/-0.026 χ^2/NDF:20.3/6

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: -0.009+/-0.016 χ^2/NDF: 24.1/11

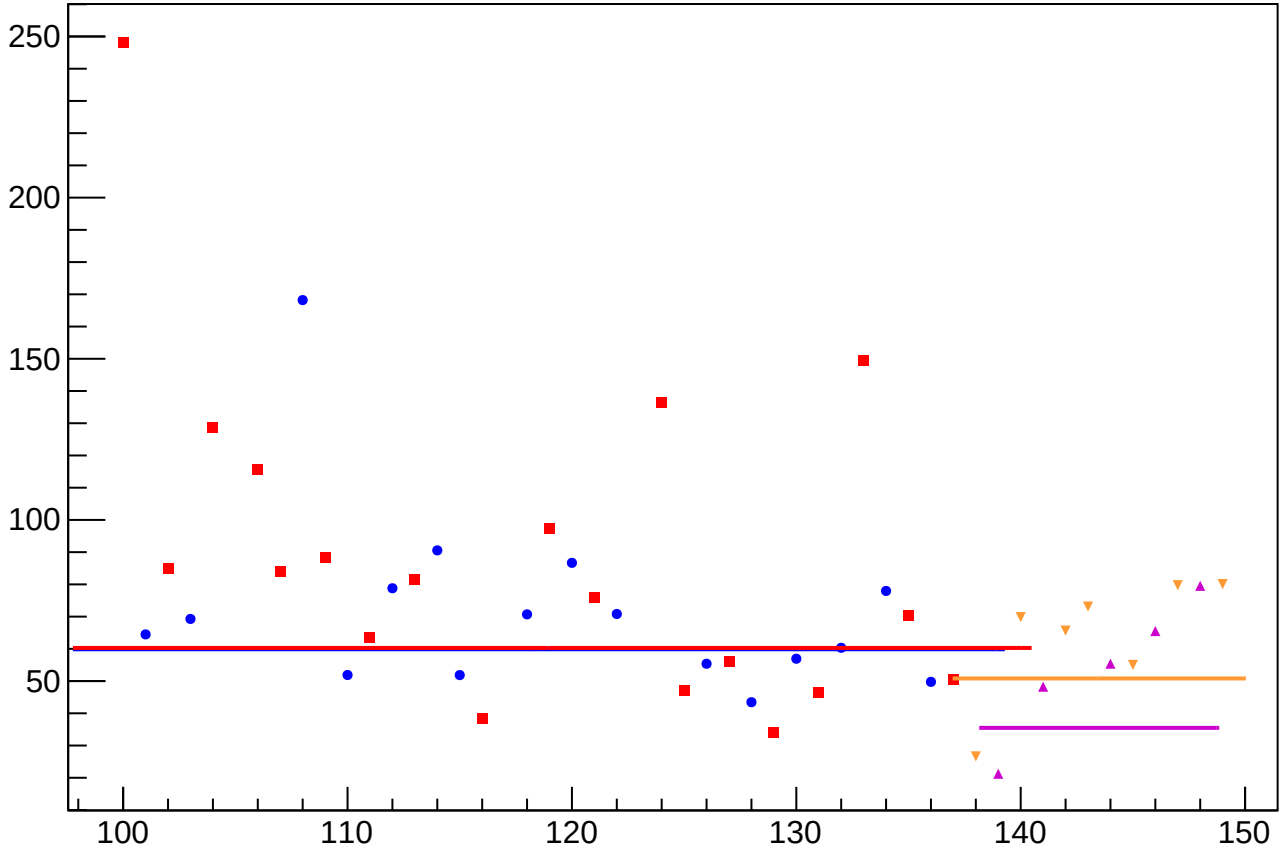
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.016 χ^2/NDF:19.4/20

Out: -0.024+/-0.018 χ^2/NDF:36.3/25

All: -0.015+/-0.012 χ^2/NDF: 56.2/46

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: 50.818+/-0.018 χ^2/NDF:1438876.2/6

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 35.487+/-0.015 χ^2/NDF:1605084.7/4

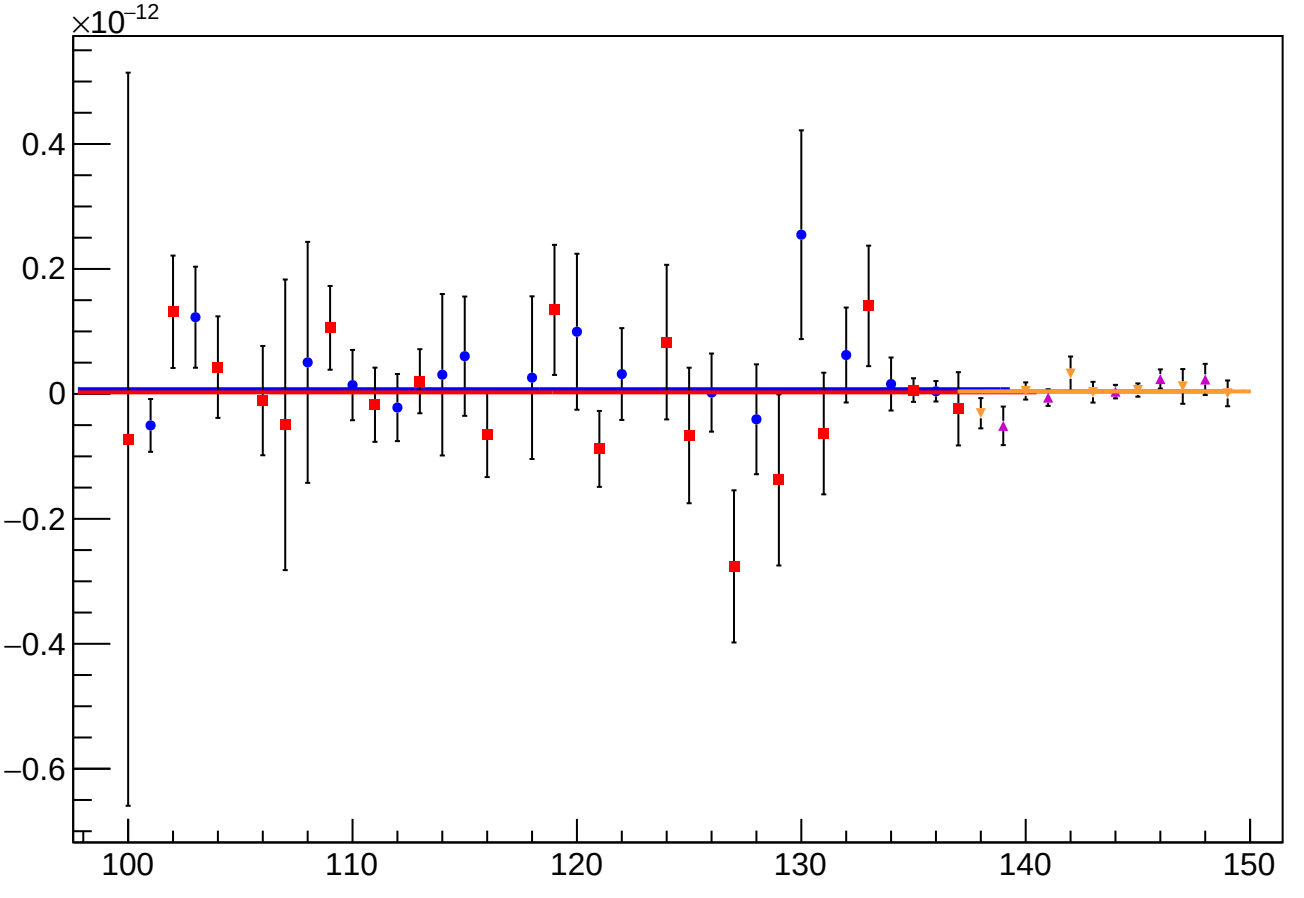
Left: 41.609+/-0.012 χ^2/NDF: 3461764.8/11

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 45.839+/-0.011 χ^2/NDF:3427668.1/20

Out: 55.680+/-0.013 χ^2/NDF:3552328.9/25

All: 50.174+/-0.009 χ^2/NDF: 7309991.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/4

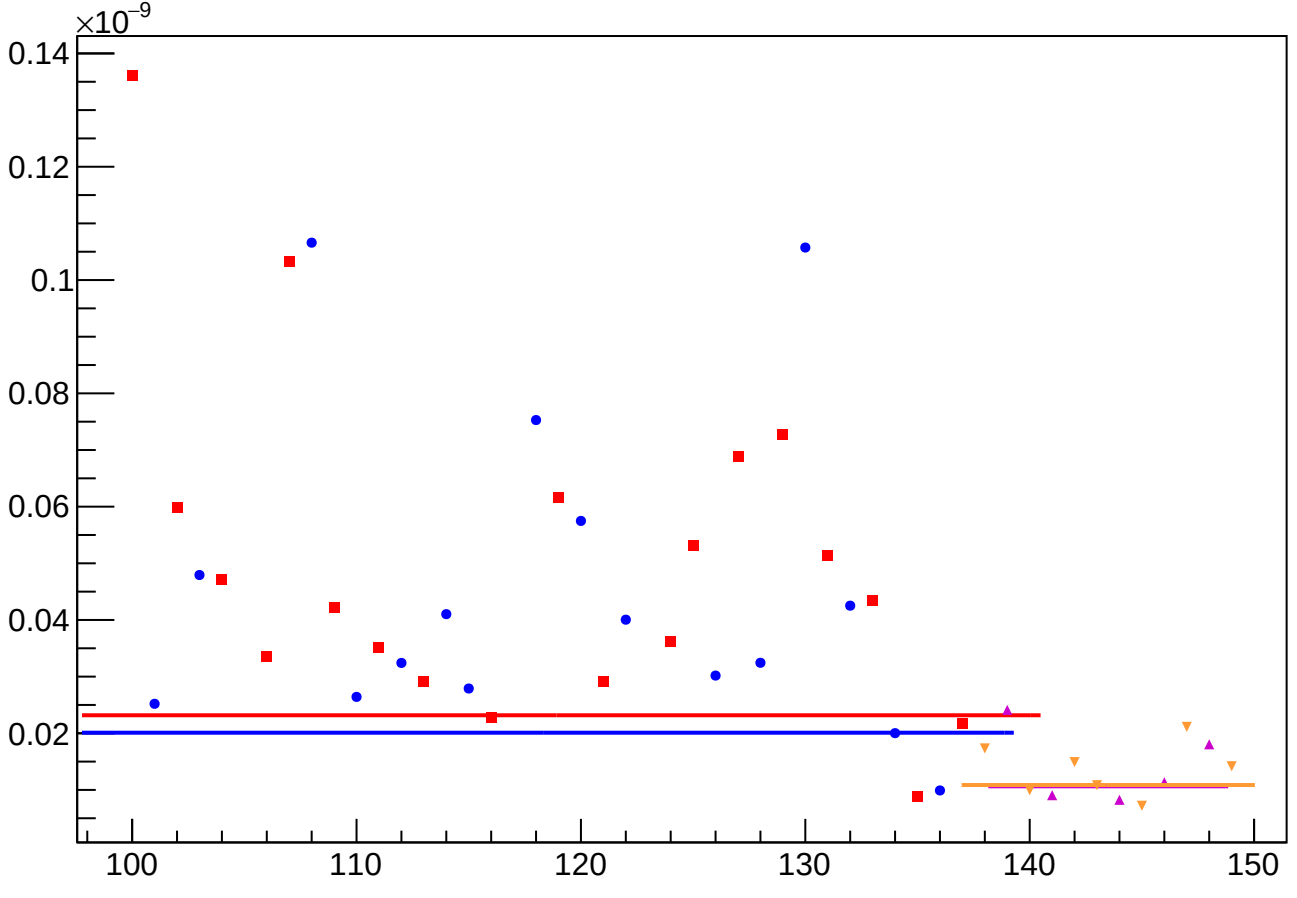
Left: 0.000+/-0.000 χ^2/NDF: 9.3/11

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:23.0/25

All: 0.000+/-0.000 χ^2/NDF: 37.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:756987.9/6

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: 1444419.5/11

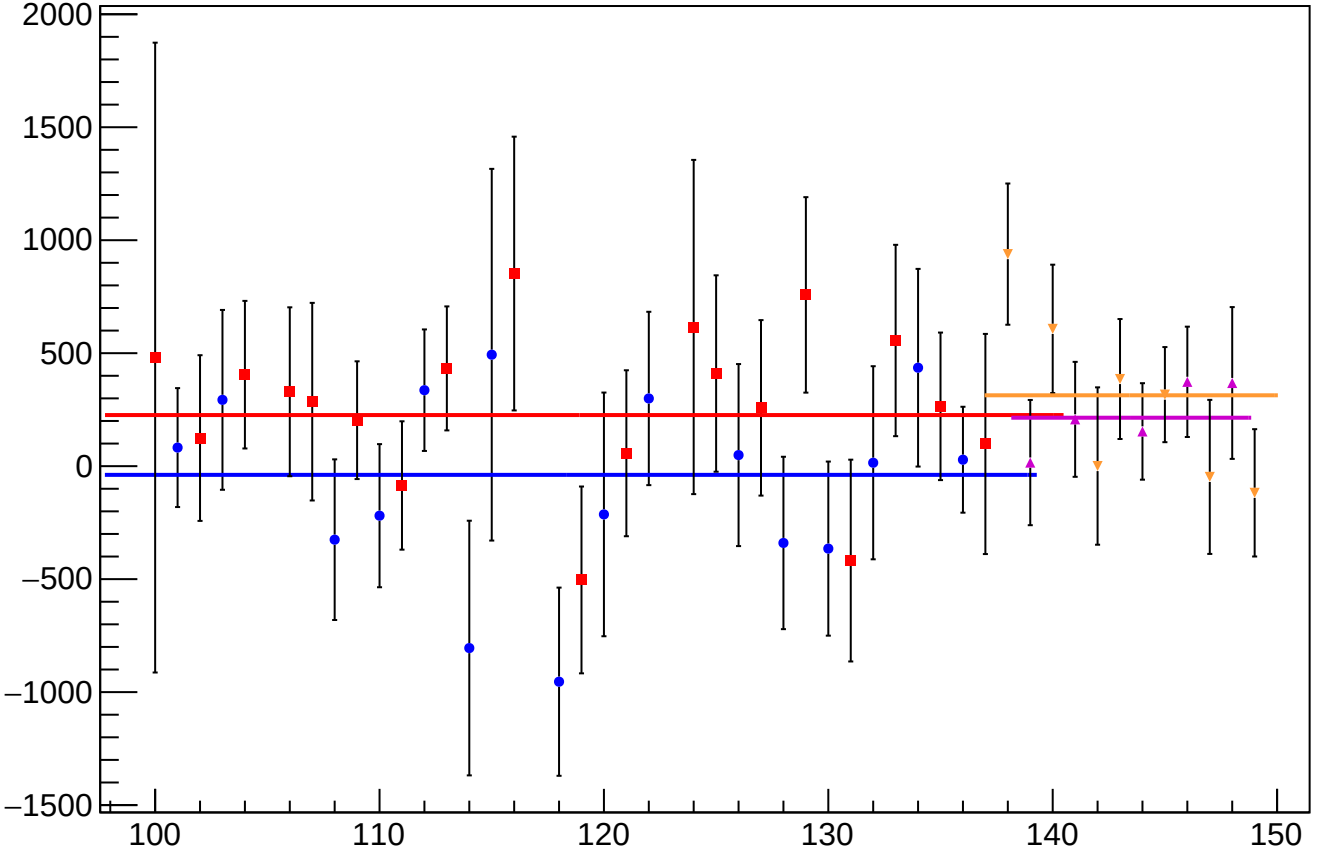
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4726221.6/20

Out: 0.000+/-0.000 χ^2/NDF:5642682.0/25

All: 0.000+/-0.000 χ^2/NDF: 10369784.1/46

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 313.629+/-106.094 χ^2/NDF:9.4/6

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: 267.852+/-77.875 χ^2/NDF: 11.1/11

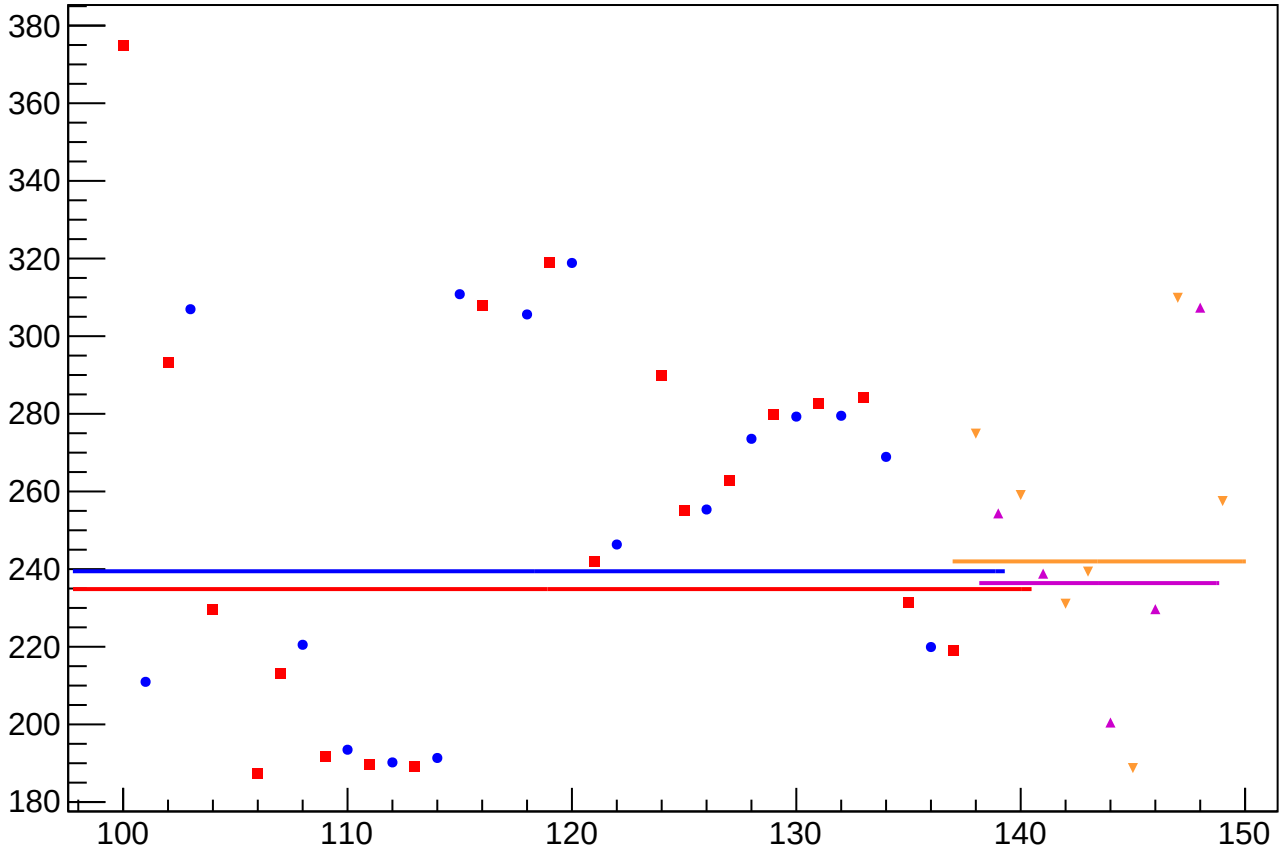
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 58.715+/-71.098 χ^2/NDF:18.7/20

Out: 261.771+/-67.690 χ^2/NDF:21.2/25

All: 165.225+/-49.025 χ^2/NDF: 44.2/46

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 241.983+/-0.075 χ^2/NDF:244945.9/6

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

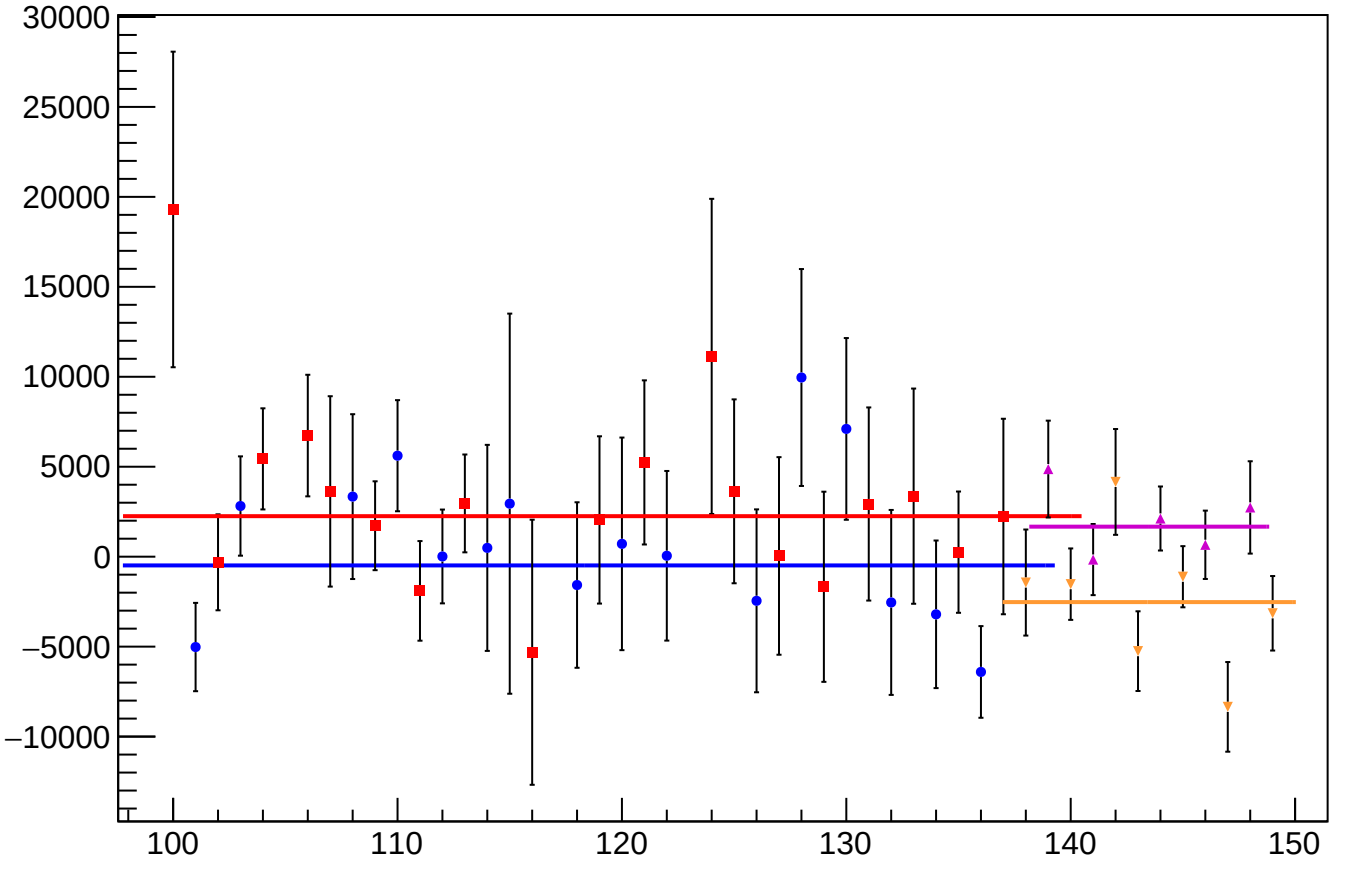
Left: 239.408+/-0.055 χ^2/NDF: 403405.4/11

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 238.276+/-0.050 χ^2/NDF:557730.8/20

Out: 237.756+/-0.048 χ^2/NDF:732014.9/25

All: 238.004+/-0.035 χ^2/NDF: 1289801.8/46



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2524.528+/-836.653 χ^2/NDF:13.3/6

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1668.744+/-937.074 χ^2/NDF:2.8/4

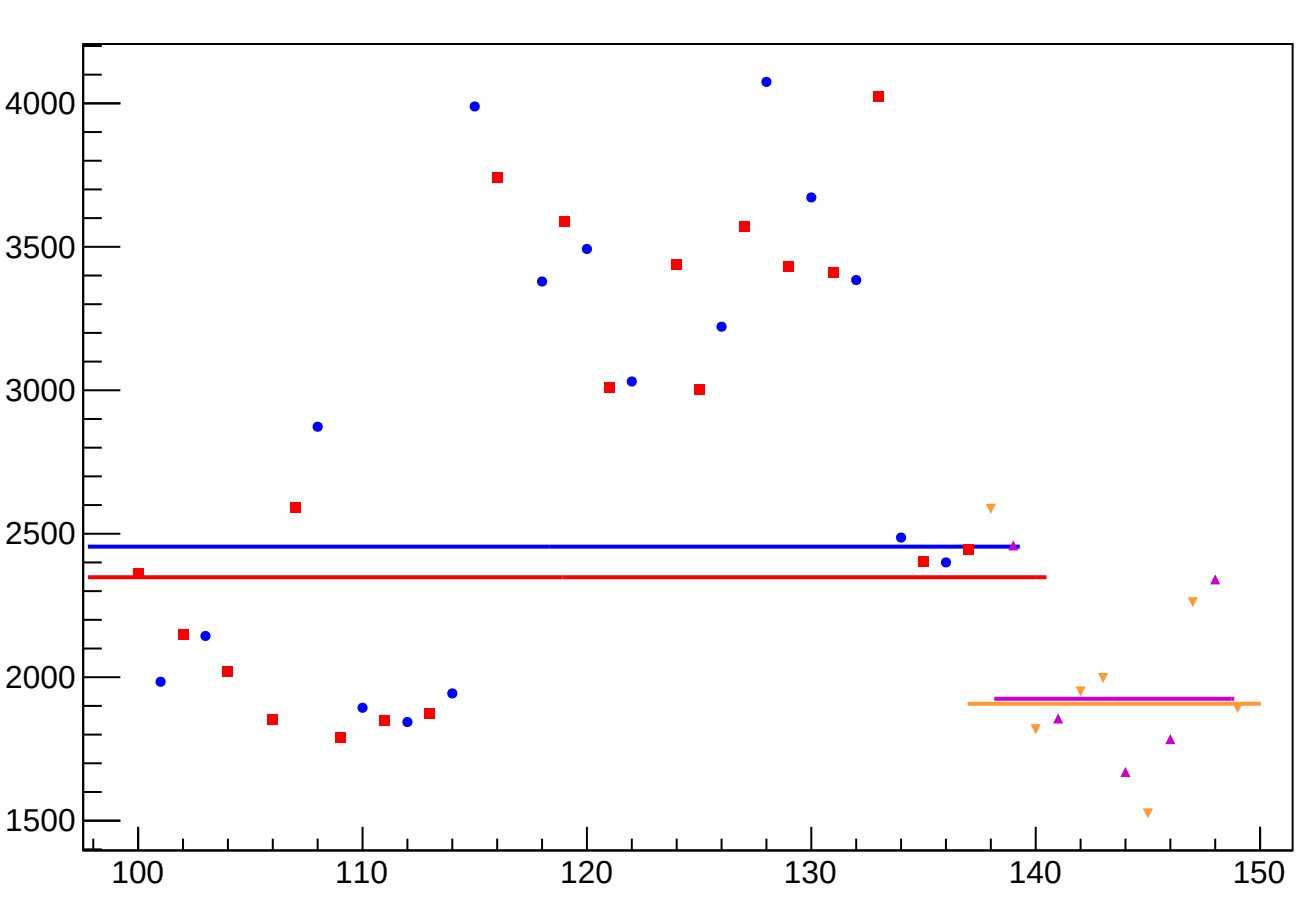
Left: -664.540+/-624.098 χ^2/NDF: 27.2/11

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 603.279+/-666.253 χ^2/NDF:26.5/20

Out: -294.869+/-610.926 χ^2/NDF:42.4/25

All: 115.370+/-450.281 χ^2/NDF: 69.9/46



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1907.463+/-0.592 χ^2/NDF:255572.1/6

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: 1915.158+/-0.441 χ^2/NDF: 441953.5/11

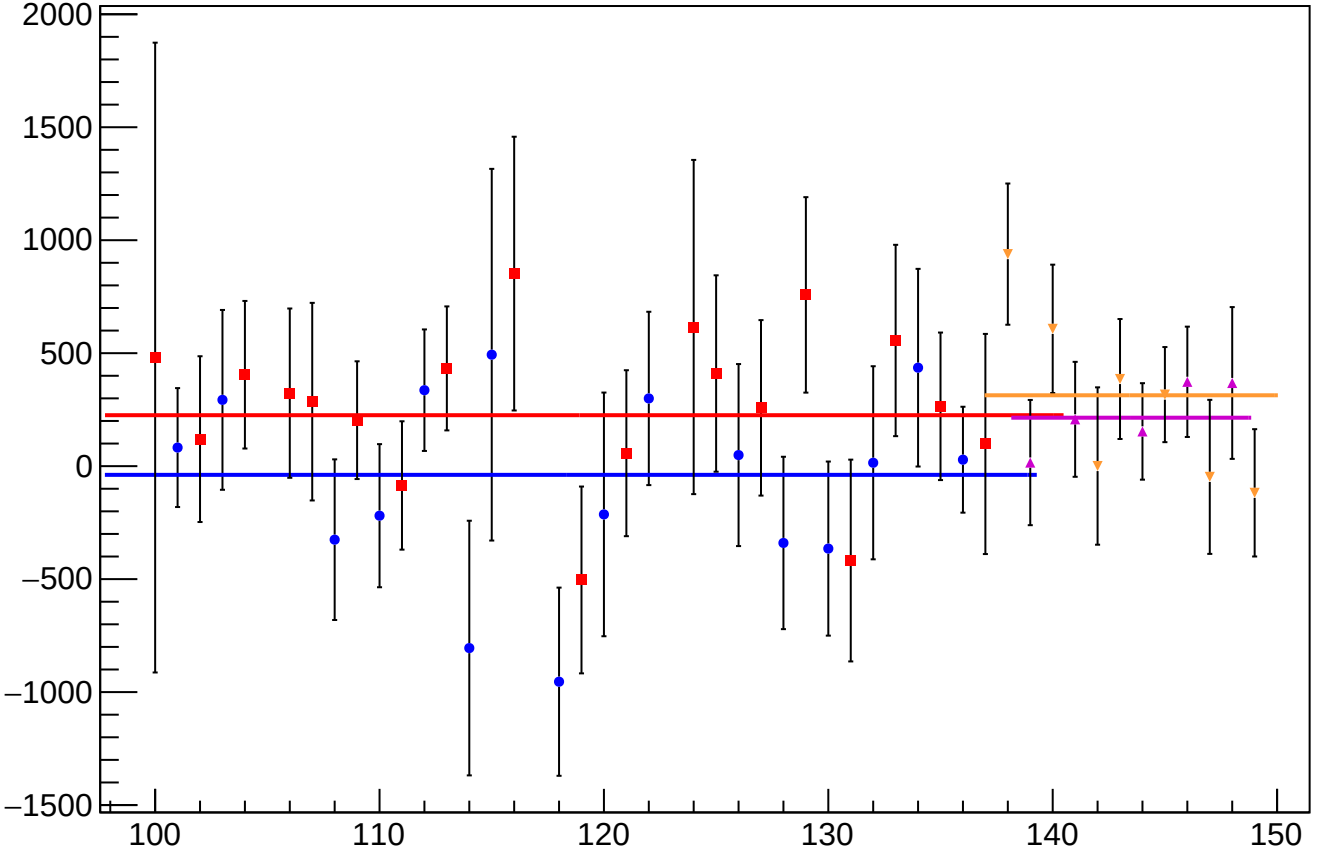
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2187.034+/-0.471 χ^2/NDF:1397106.4/20

Out: 2113.316+/-0.432 χ^2/NDF:1567363.0/25

All: 2146.988+/-0.318 χ^2/NDF: 2977770.6/46

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 313.658+/-106.094 χ^2/NDF:9.4/6

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: 267.877+/-77.875 χ^2/NDF: 11.1/11

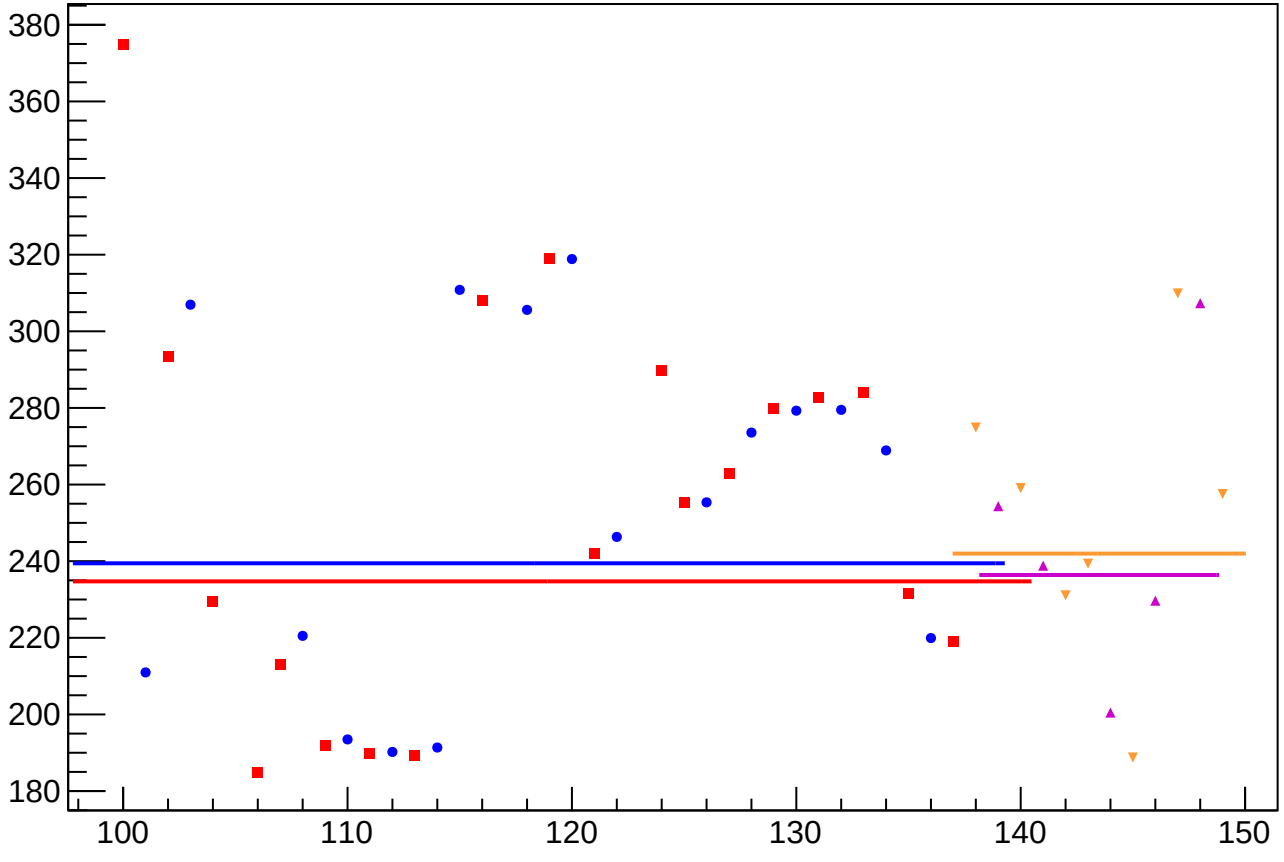
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 58.710+/-71.098 χ^2/NDF:18.7/20

Out: 261.402+/-67.697 χ^2/NDF:21.2/25

All: 165.020+/-49.027 χ^2/NDF: 44.2/46

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 241.983+/-0.075 χ^2/NDF:244945.9/6

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

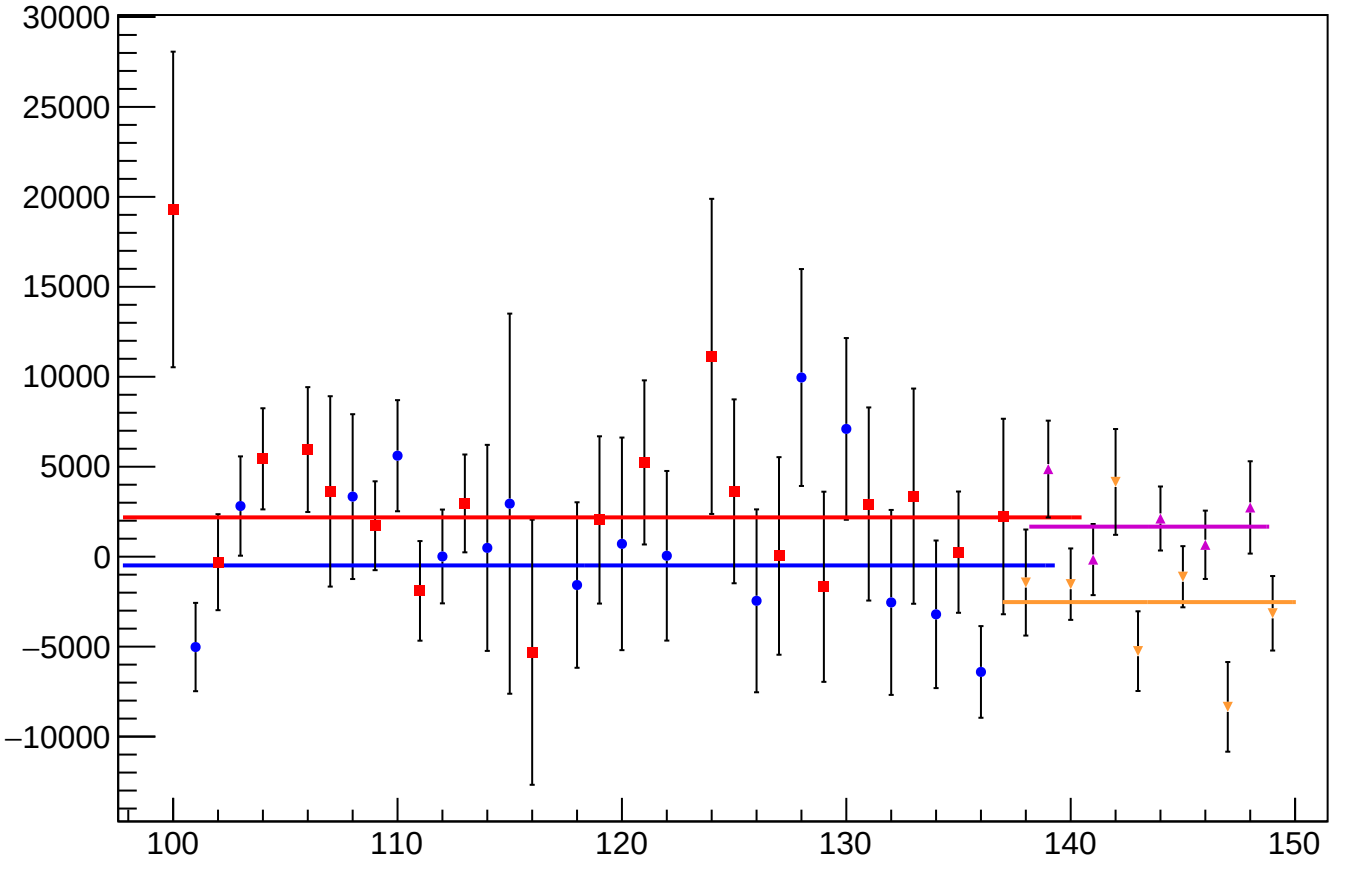
Left: 239.408+/-0.055 χ^2/NDF: 403405.4/11

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 238.276+/-0.050 χ^2/NDF:557733.2/20

Out: 237.685+/-0.048 χ^2/NDF:735721.6/25

All: 237.966+/-0.035 χ^2/NDF: 1293527.5/46



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2524.502+/-836.653 χ^2/NDF:13.3/6

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1668.768+/-937.075 χ^2/NDF:2.8/4

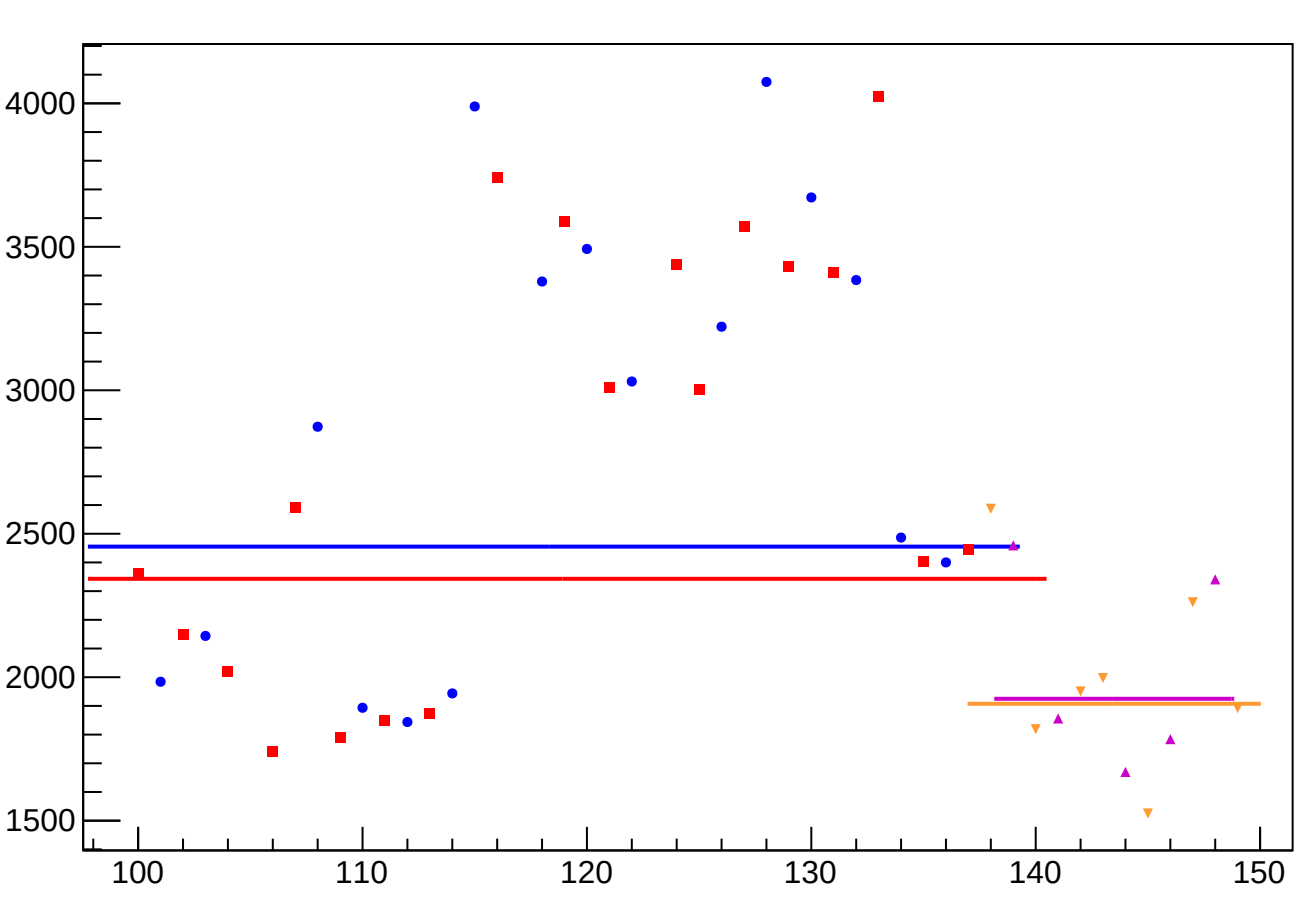
Left: -664.516+/-624.098 χ^2/NDF: 27.2/11

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 603.215+/-666.256 χ^2/NDF:26.5/20

Out: -330.591+/-611.464 χ^2/NDF:41.3/25

All: 96.342+/-450.498 χ^2/NDF: 68.9/46



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1907.463+/-0.592 χ^2/NDF:255573.7/6

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1924.811+/-0.663 χ^2/NDF:185998.2/4

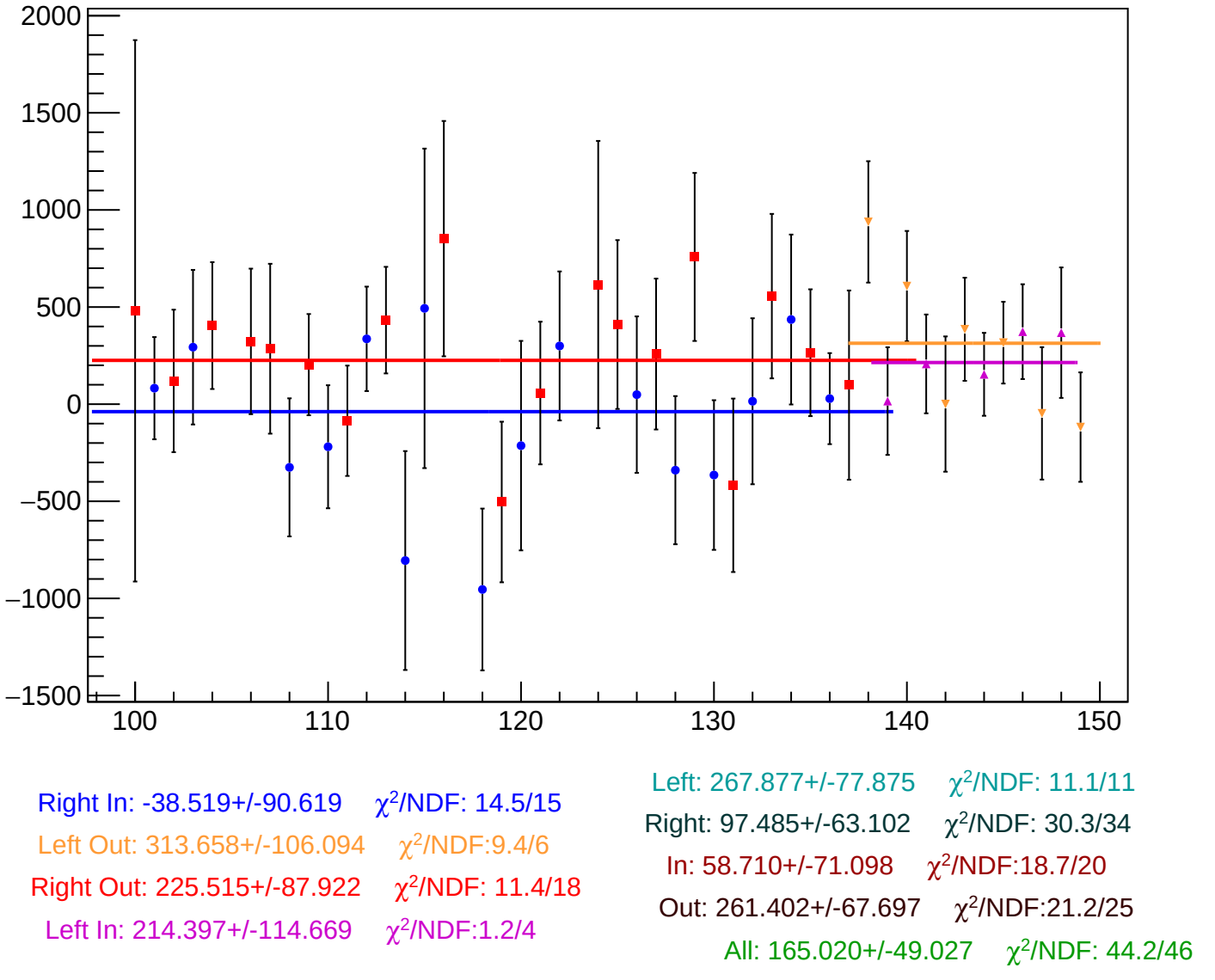
Left: 1915.158+/-0.441 χ^2/NDF: 441953.3/11

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

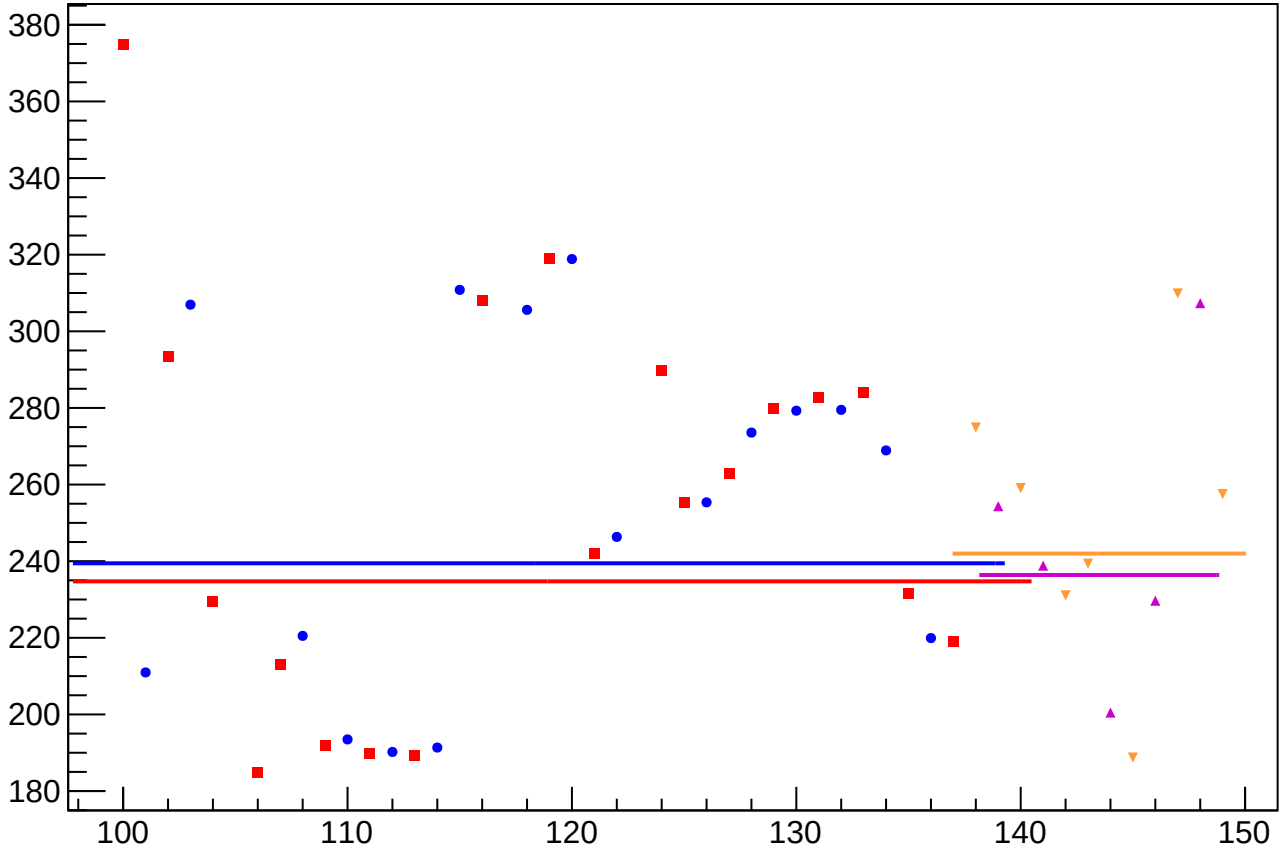
In: 2187.045+/-0.471 χ^2/NDF:1397098.0/20

Out: 2110.343+/-0.432 χ^2/NDF:1578403.0/25

All: 2145.411+/-0.319 χ^2/NDF: 2989889.1/46


eigen_cor_asym_sam4_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -38.519+/-90.619 χ²/NDF: 14.5/15
Left Out: 313.658+/-106.094 χ²/NDF:9.4/6
Right Out: 225.515+/-87.922 χ²/NDF: 11.4/18
Left In: 214.397+/-114.669 χ²/NDF:1.2/4
Left: 267.877+/-77.875 χ²/NDF: 11.1/11
Right: 97.485+/-63.102 χ²/NDF: 30.3/34
In: 58.710+/-71.098 χ²/NDF:18.7/20
Out: 261.402+/-67.697 χ²/NDF:21.2/25
All: 165.020+/-49.027 χ²/NDF: 44.2/46

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 241.983+/-0.075 χ^2/NDF:244945.9/6

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 236.399+/-0.081 χ^2/NDF:155904.0/4

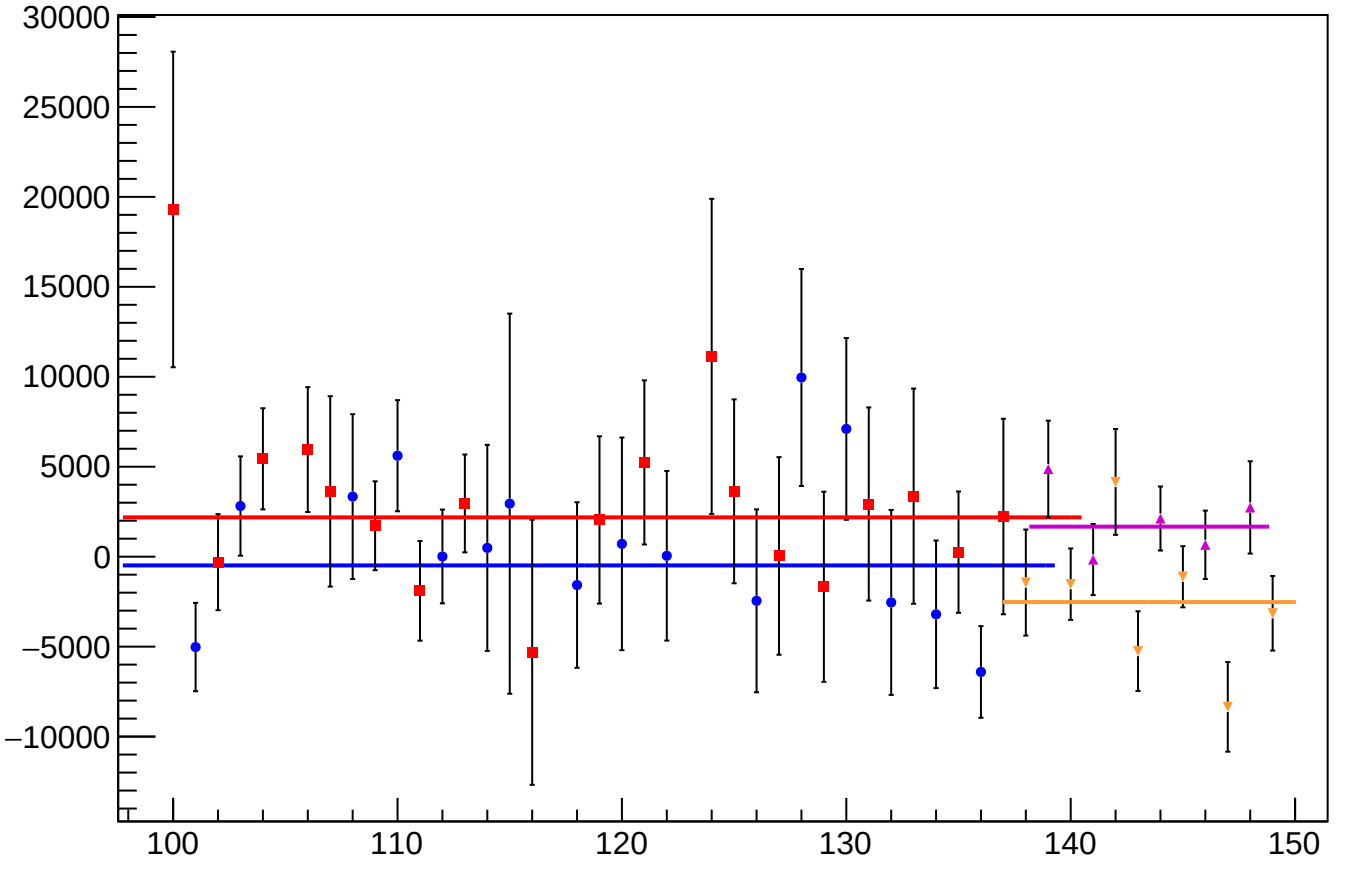
Left: 239.408+/-0.055 χ^2/NDF: 403405.4/11

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 238.276+/-0.050 χ^2/NDF:557733.2/20

Out: 237.685+/-0.048 χ^2/NDF:735721.6/25

All: 237.966+/-0.035 χ^2/NDF: 1293527.5/46



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2524.502+/-836.653 χ^2/NDF:13.3/6

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1668.768+/-937.075 χ^2/NDF:2.8/4

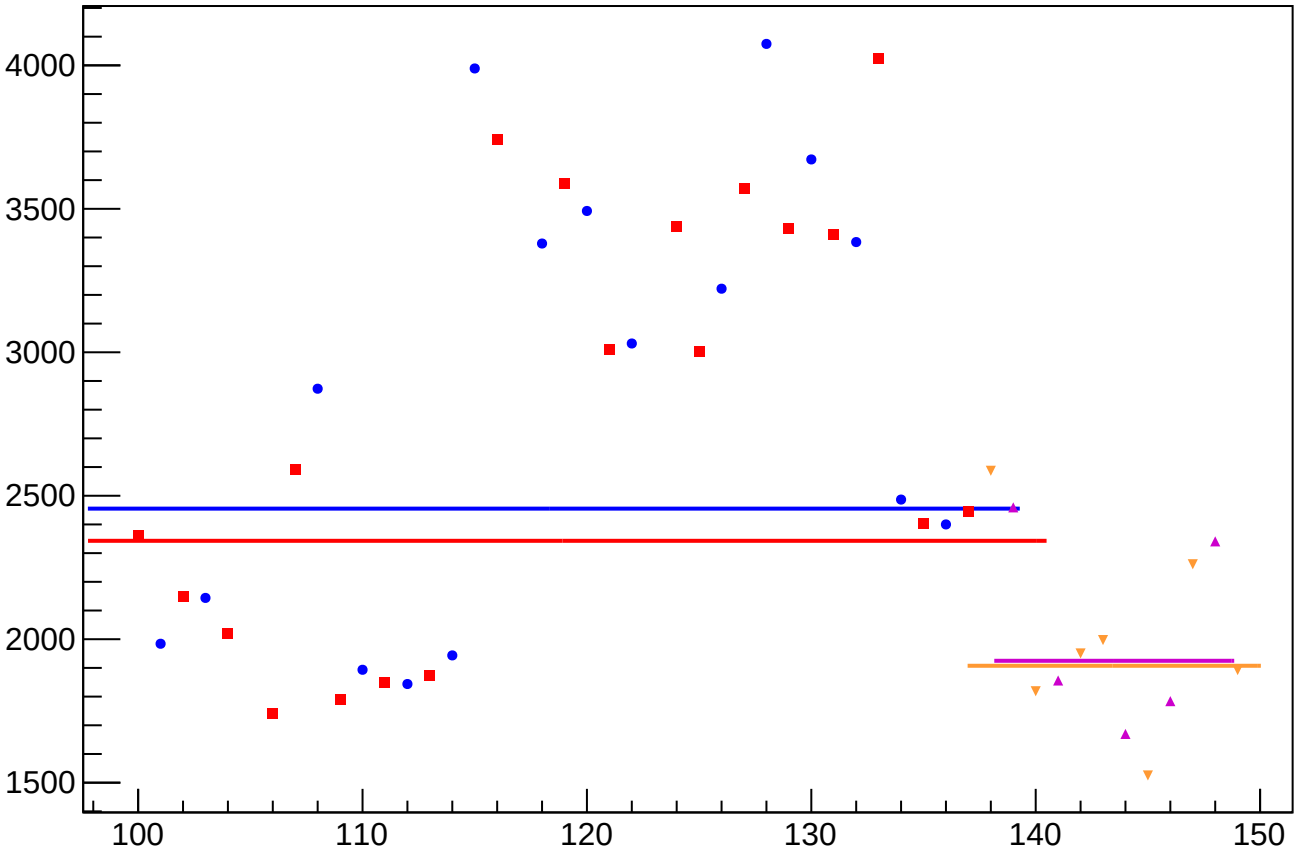
Left: -664.516+/-624.098 χ^2/NDF: 27.2/11

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 603.215+/-666.256 χ^2/NDF:26.5/20

Out: -330.591+/-611.464 χ^2/NDF:41.3/25

All: 96.342+/-450.498 χ^2/NDF: 68.9/46



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1907.463+/-0.592 χ^2/NDF:255573.7/6

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: 1915.158+/-0.441 χ^2/NDF: 441953.3/11

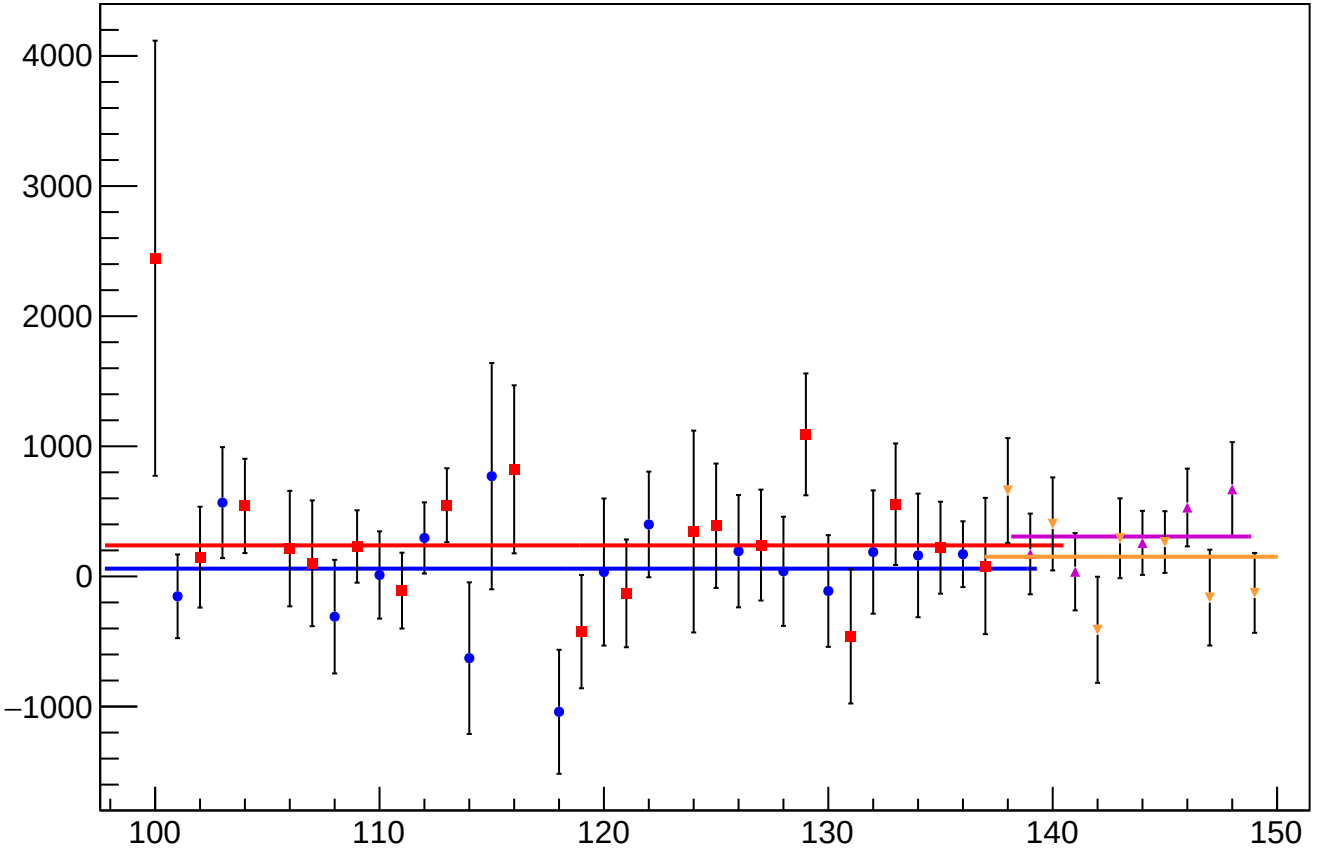
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2187.045+/-0.471 χ^2/NDF:1397098.0/20

Out: 2110.343+/-0.432 χ^2/NDF:1578403.0/25

All: 2145.411+/-0.319 χ^2/NDF: 2989889.1/46

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 151.196+/-122.676 χ^2/NDF:6.0/6

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: 222.961+/-89.995 χ^2/NDF: 9.3/11

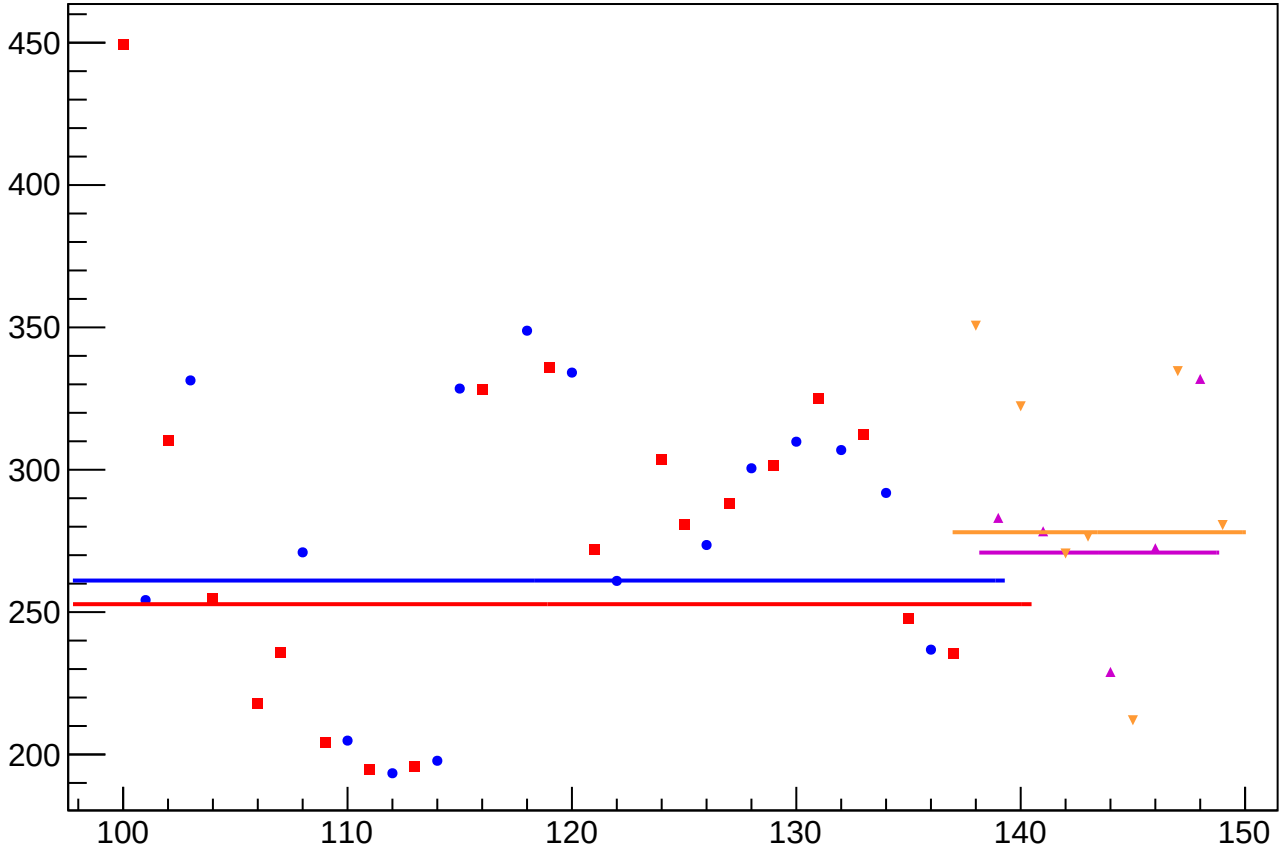
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 148.493+/-79.410 χ^2/NDF:16.8/20

Out: 205.755+/-75.142 χ^2/NDF:21.2/25

All: 178.704+/-54.580 χ^2/NDF: 38.3/46

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 278.056+/-0.087 χ^2/NDF:298998.2/6

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 270.908+/-0.094 χ^2/NDF:118977.5/4

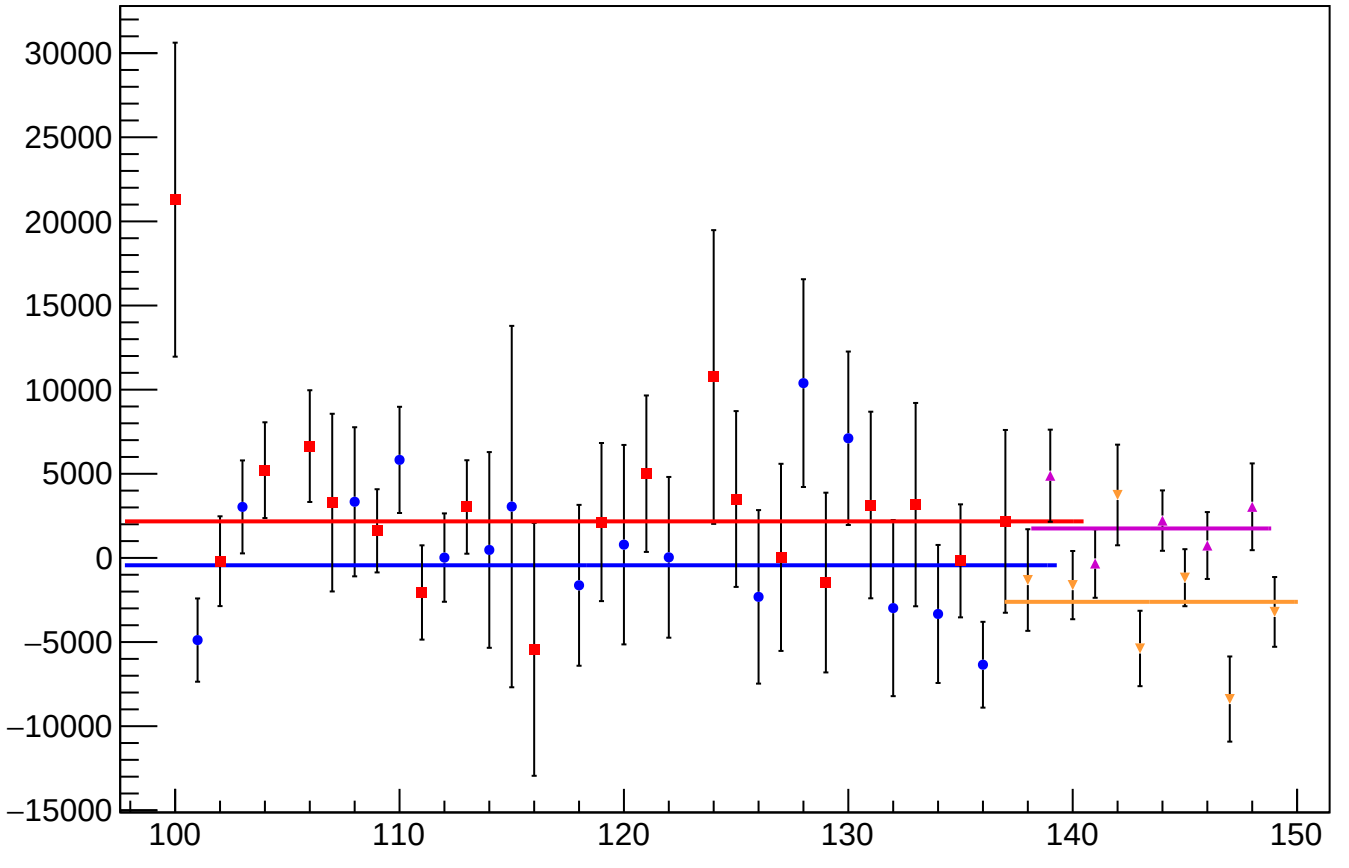
Left: 274.755+/-0.064 χ^2/NDF: 421111.3/11

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 264.620+/-0.056 χ^2/NDF:588682.1/20

Out: 262.268+/-0.053 χ^2/NDF:889307.9/25

All: 263.379+/-0.039 χ^2/NDF: 1478915.8/46



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2609.787+/-844.905 χ^2/NDF:12.5/6

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1750.637+/-958.642 χ^2/NDF:2.9/4

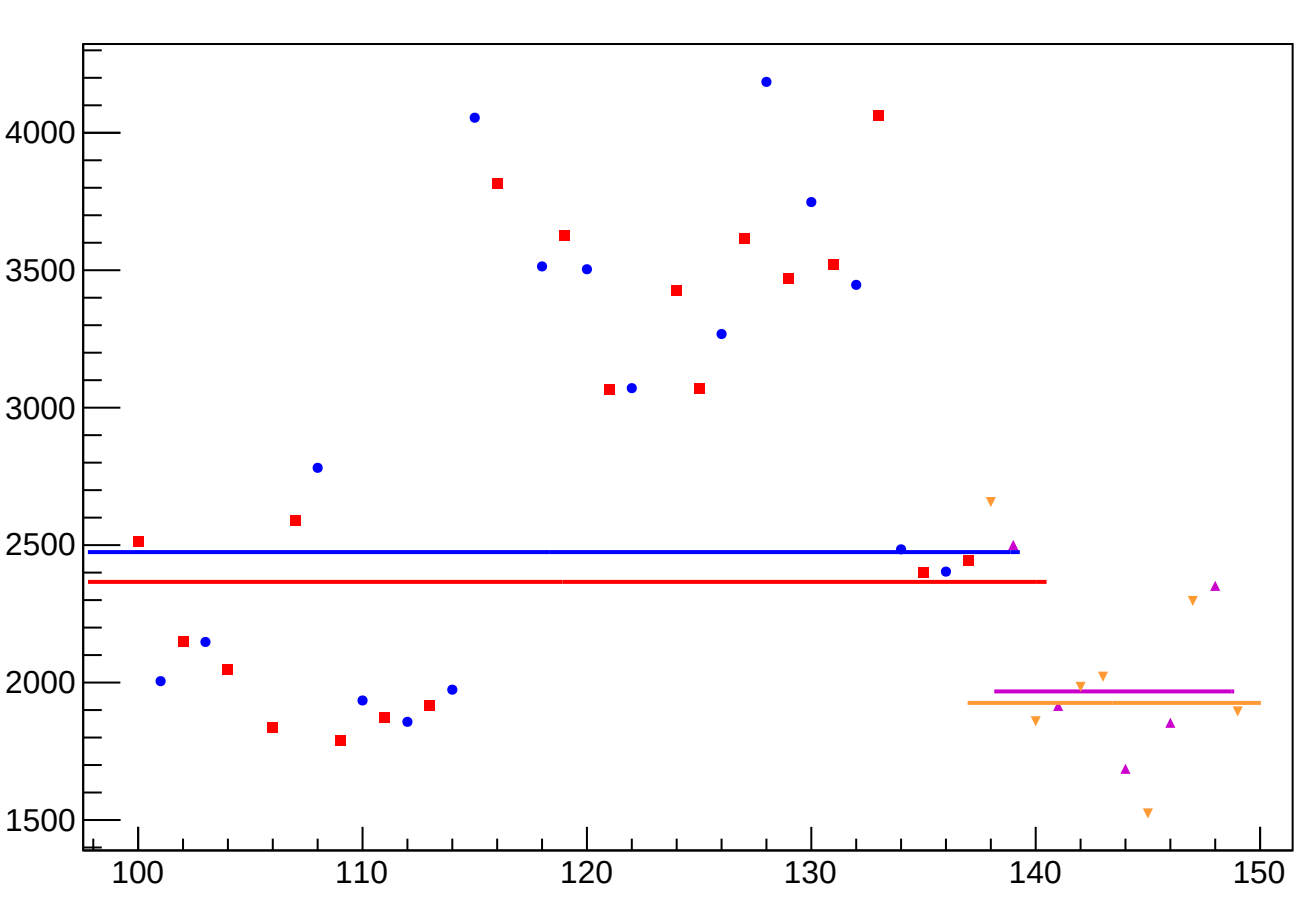
Left: -703.469+/-633.855 χ^2/NDF: 27.1/11

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 652.942+/-676.619 χ^2/NDF:26.7/20

Out: -372.600+/-616.348 χ^2/NDF:41.5/25

All: 92.470+/-455.645 χ^2/NDF: 69.5/46



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1926.009+/-0.597 χ^2/NDF:279680.2/6

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1967.784+/-0.678 χ^2/NDF:177335.5/4

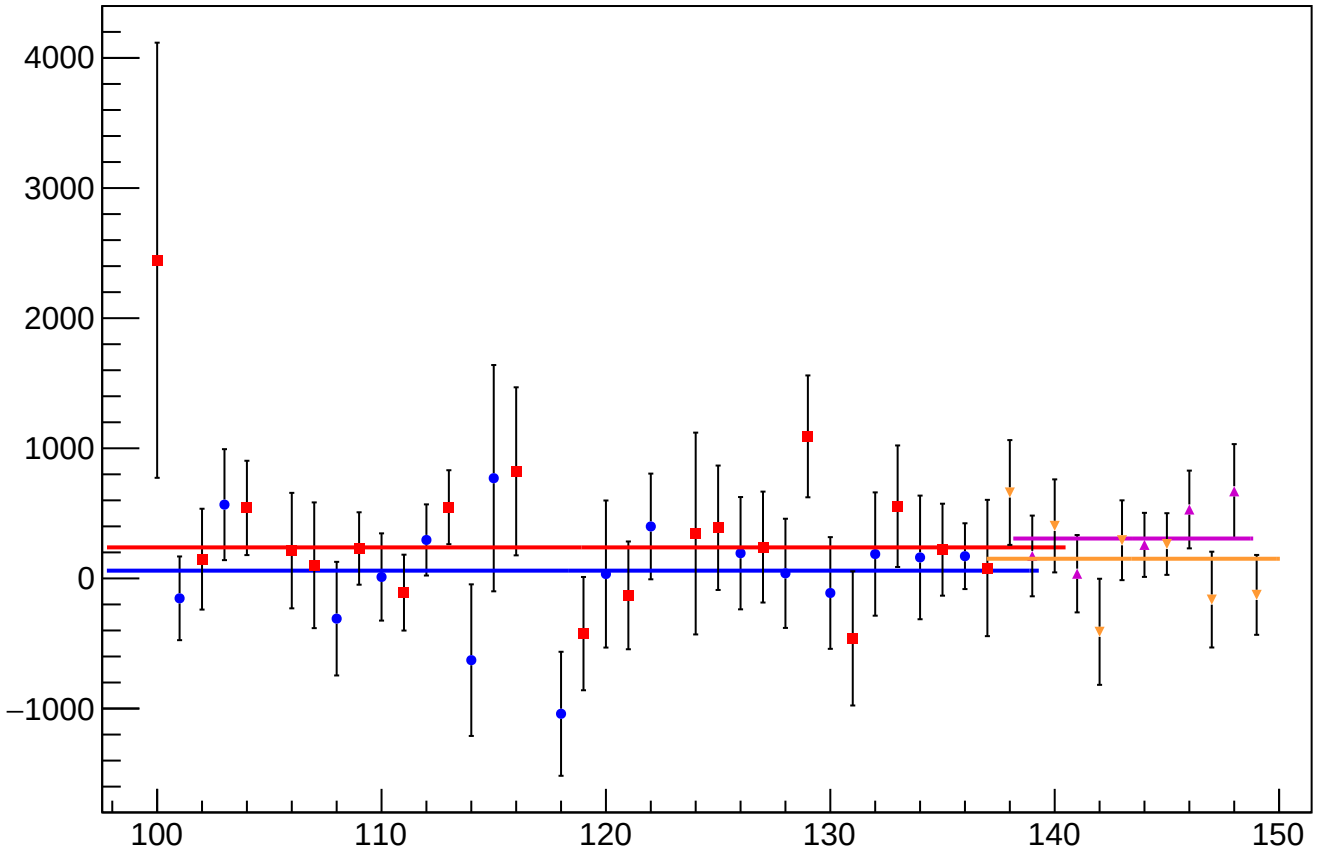
Left: 1944.273+/-0.448 χ^2/NDF: 459153.2/11

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2222.132+/-0.478 χ^2/NDF:1374138.8/20

Out: 2131.961+/-0.436 χ^2/NDF:1610860.3/25

All: 2172.853+/-0.322 χ^2/NDF: 3004411.4/46



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 151.196+/-122.676 χ^2/NDF:6.0/6

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: 222.961+/-89.995 χ^2/NDF: 9.3/11

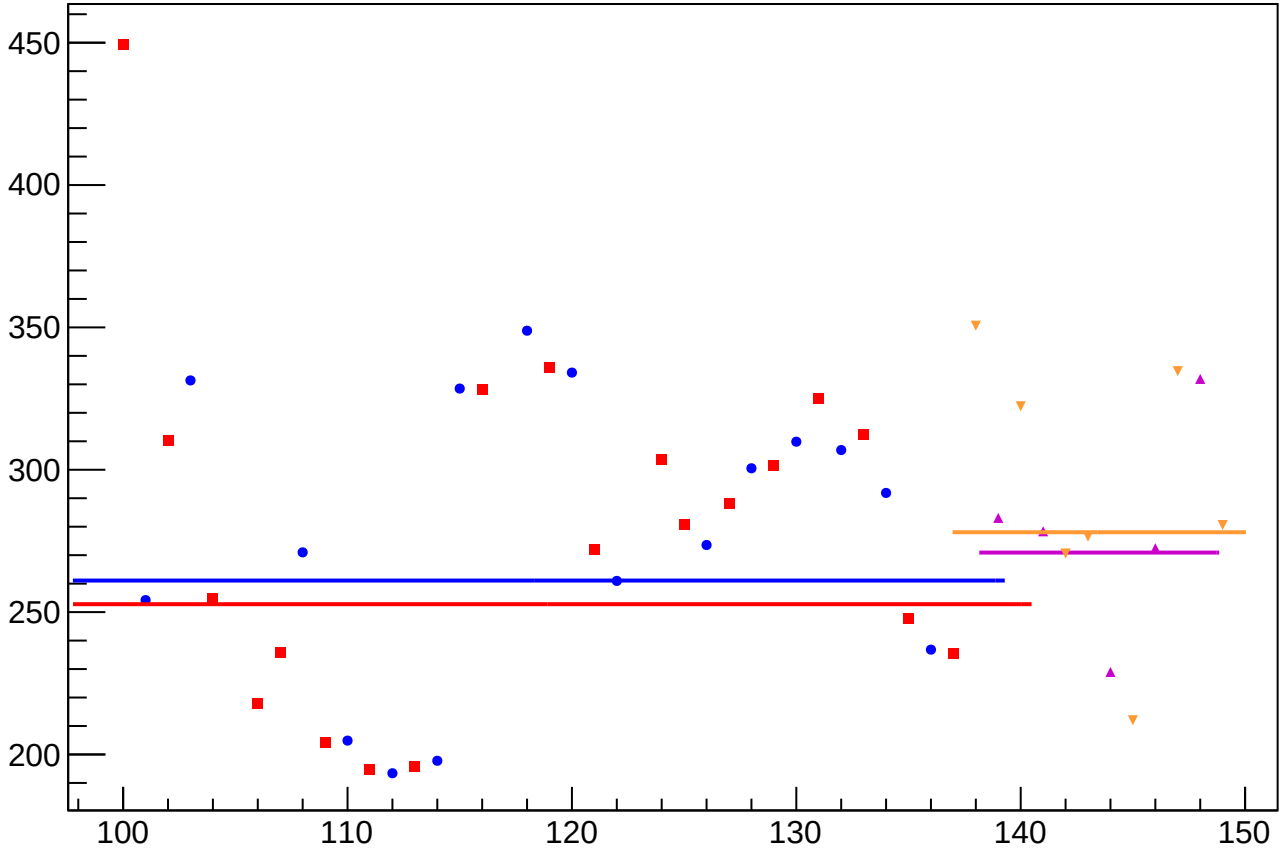
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 148.497+/-79.410 χ^2/NDF:16.8/20

Out: 205.754+/-75.142 χ^2/NDF:21.2/25

All: 178.706+/-54.580 χ^2/NDF: 38.3/46

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 278.056+/-0.087 χ^2/NDF:298993.5/6

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 270.909+/-0.094 χ^2/NDF:118975.7/4

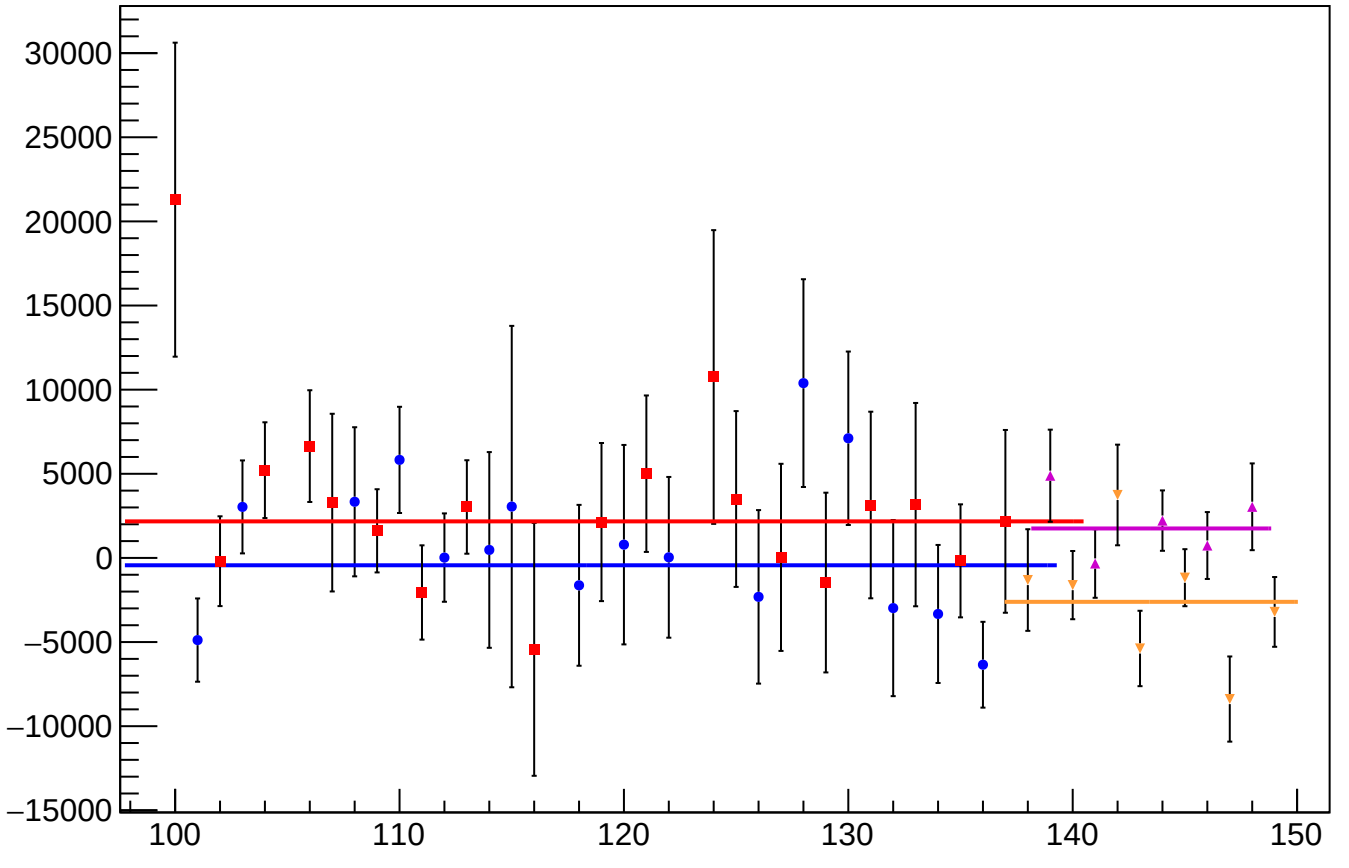
Left: 274.755+/-0.064 χ^2/NDF: 421104.6/11

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 264.620+/-0.056 χ^2/NDF:588683.9/20

Out: 262.268+/-0.053 χ^2/NDF:889308.4/25

All: 263.379+/-0.039 χ^2/NDF: 1478918.0/46



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2609.785+/-844.904 χ^2/NDF:12.5/6

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1750.637+/-958.642 χ^2/NDF:2.9/4

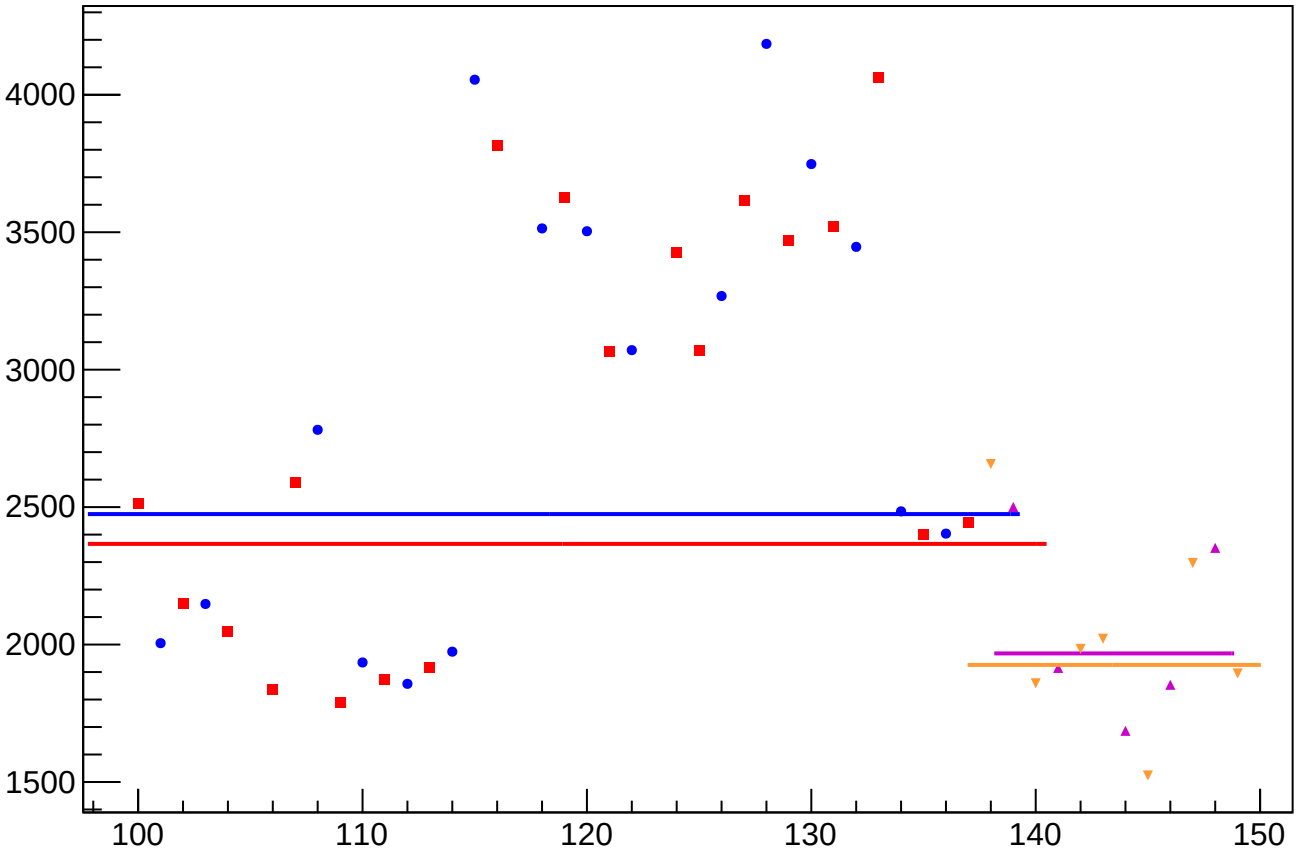
Left: -703.469+/-633.855 χ^2/NDF: 27.1/11

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 652.943+/-676.618 χ^2/NDF:26.7/20

Out: -372.600+/-616.347 χ^2/NDF:41.5/25

All: 92.470+/-455.644 χ^2/NDF: 69.5/46



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1926.007+/-0.597 χ^2/NDF:279682.9/6

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: 1944.271+/-0.448 χ^2/NDF: 459156.5/11

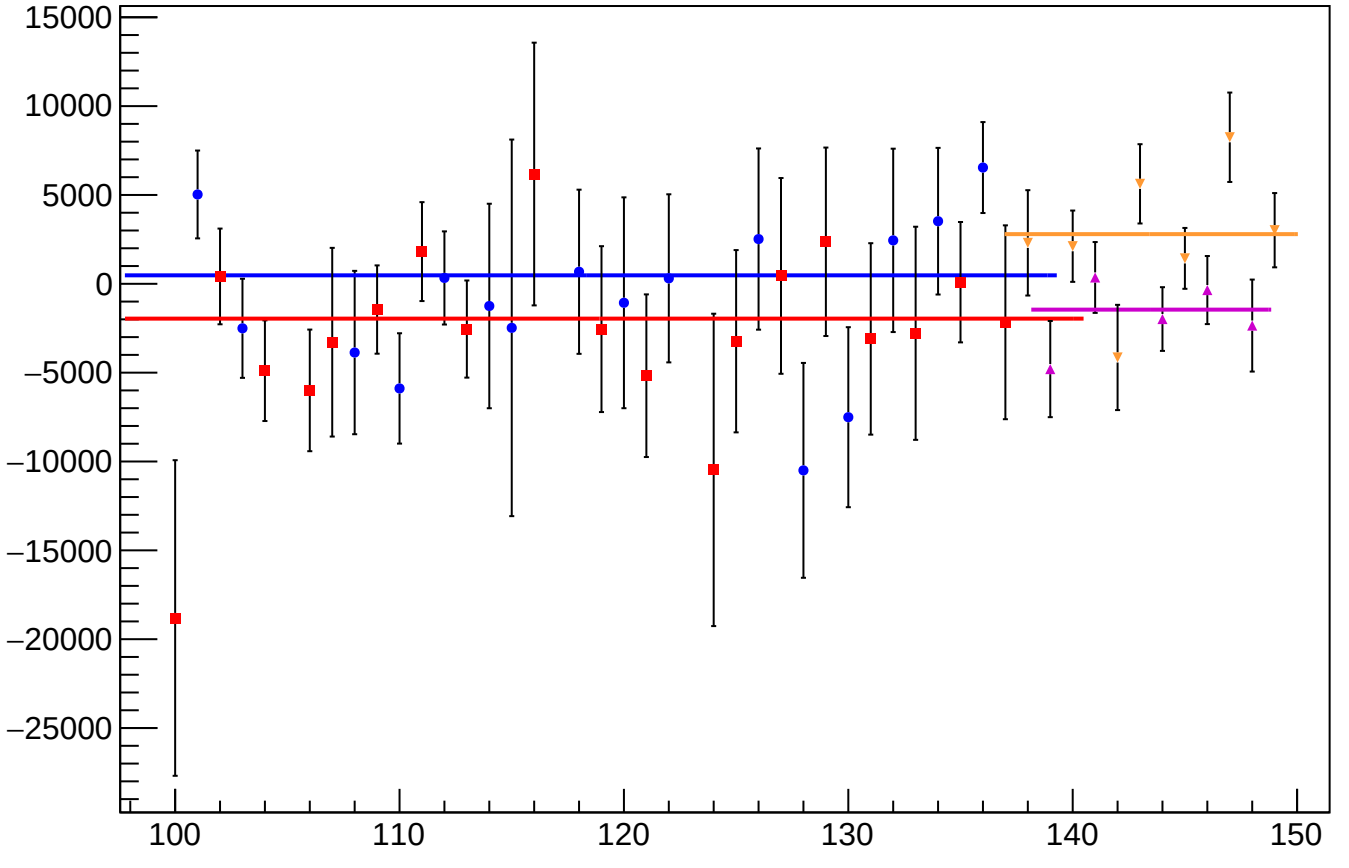
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2222.131+/-0.478 χ^2/NDF:1374142.0/20

Out: 2131.959+/-0.436 χ^2/NDF:1610866.4/25

All: 2172.851+/-0.322 χ^2/NDF: 3004421.0/46

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2795.526+/-843.653 χ^2/NDF:12.6/6

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: 909.773+/-629.169 χ^2/NDF: 26.7/11

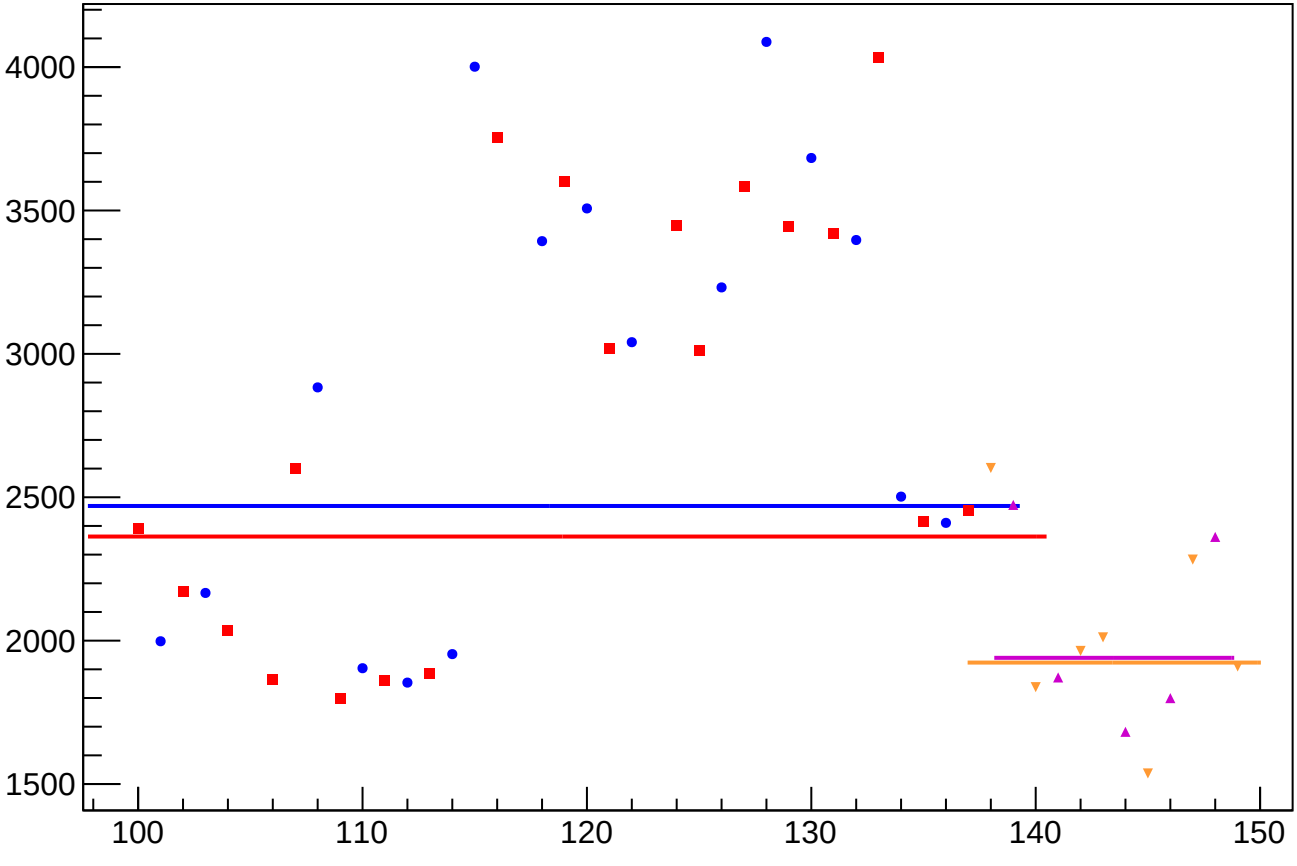
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -496.496+/-670.728 χ^2/NDF:27.1/20

Out: 570.734+/-615.414 χ^2/NDF:40.3/25

All: 82.933+/-453.459 χ^2/NDF: 68.7/46

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1923.551+/-0.597 χ^2/NDF:254667.7/6

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1940.090+/-0.668 χ^2/NDF:185270.7/4

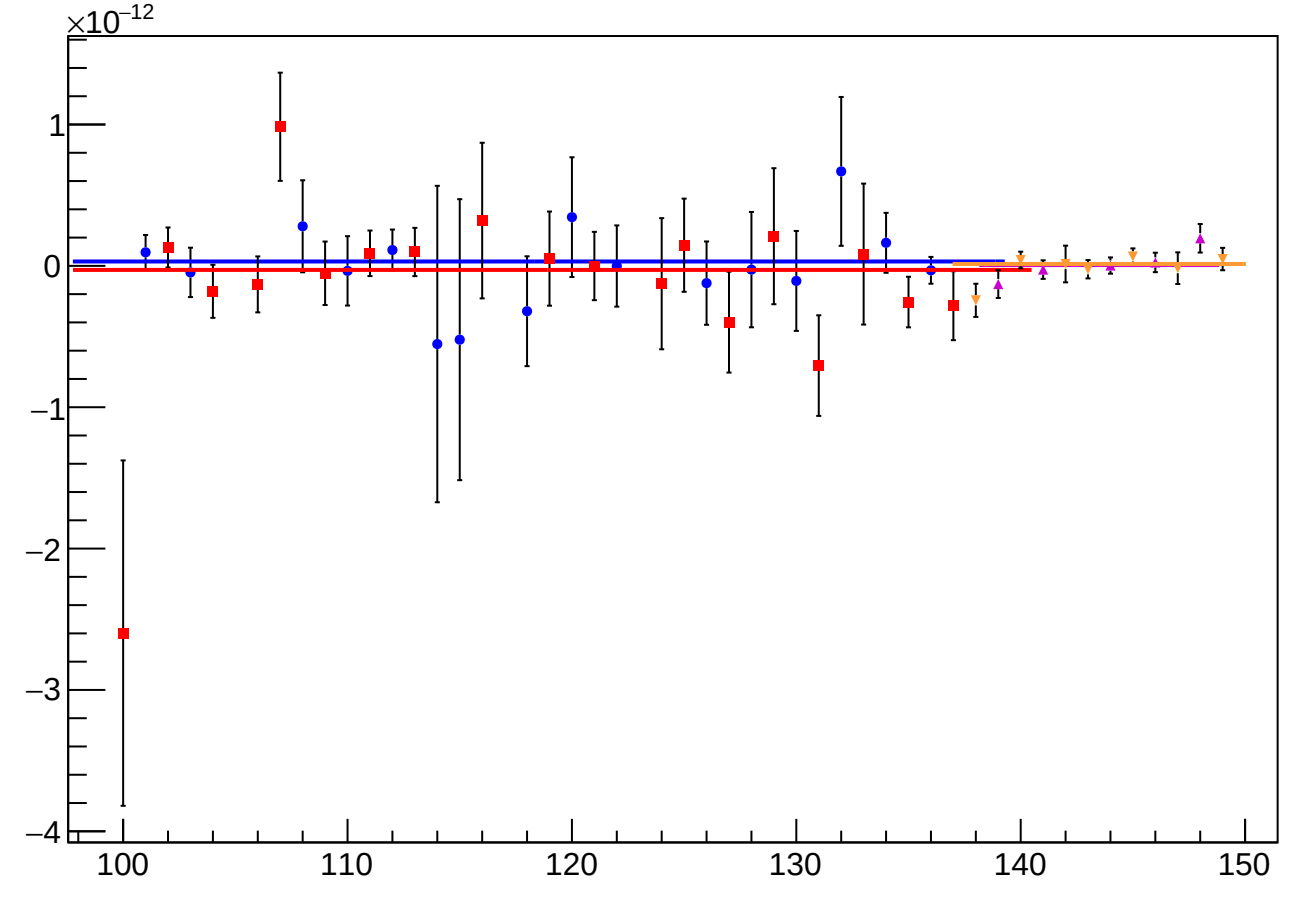
Left: 1930.891+/-0.445 χ^2/NDF: 440279.5/11

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2202.535+/-0.474 χ^2/NDF:1383091.8/20

Out: 2129.186+/-0.435 χ^2/NDF:1551969.3/25

All: 2162.712+/-0.321 χ^2/NDF: 2948046.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/4

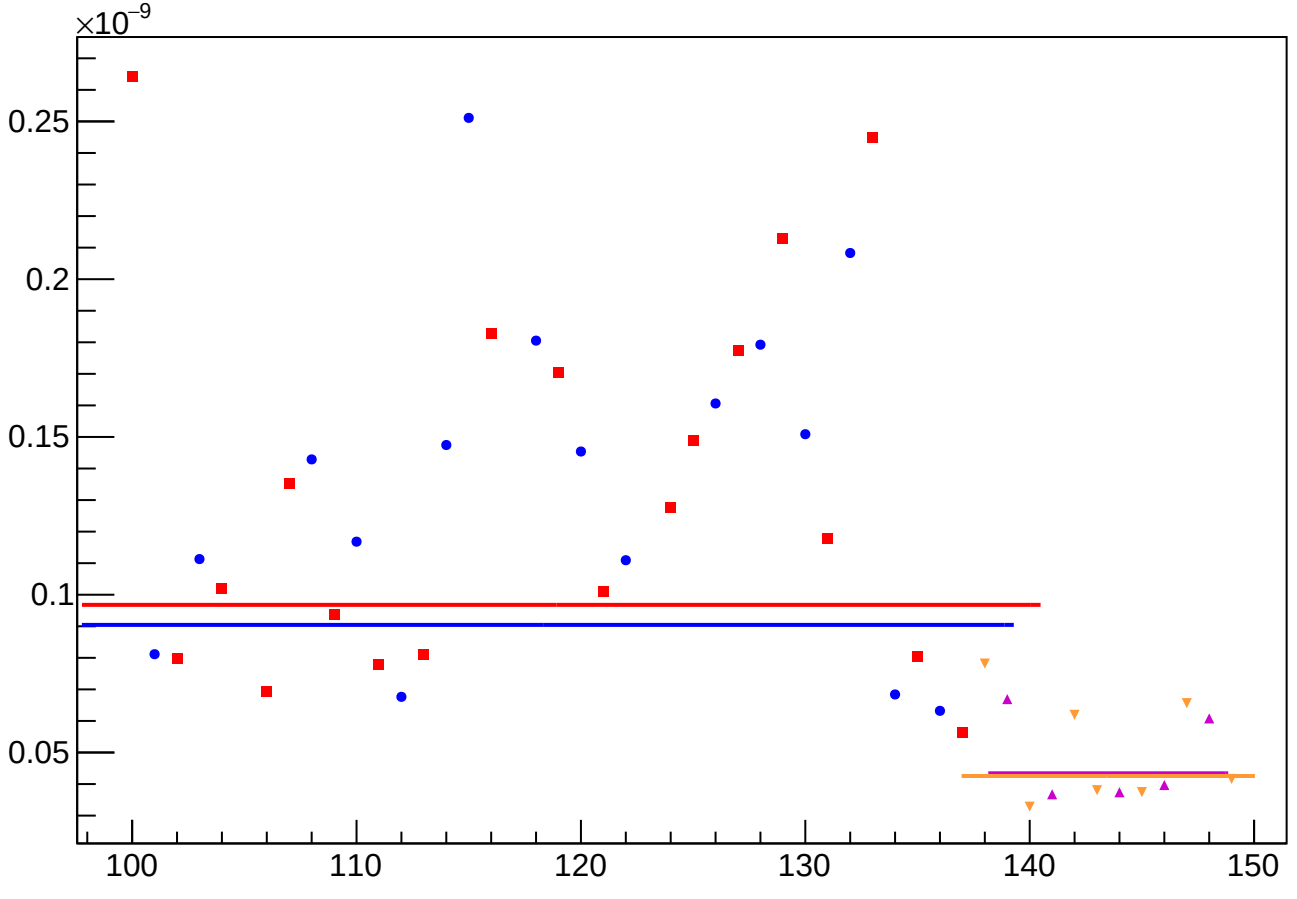
Left: 0.000+/-0.000 χ^2/NDF: 12.2/11

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:12.0/20

Out: 0.000+/-0.000 χ^2/NDF:30.1/25

All: 0.000+/-0.000 χ^2/NDF: 42.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:394394.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:222672.6/4

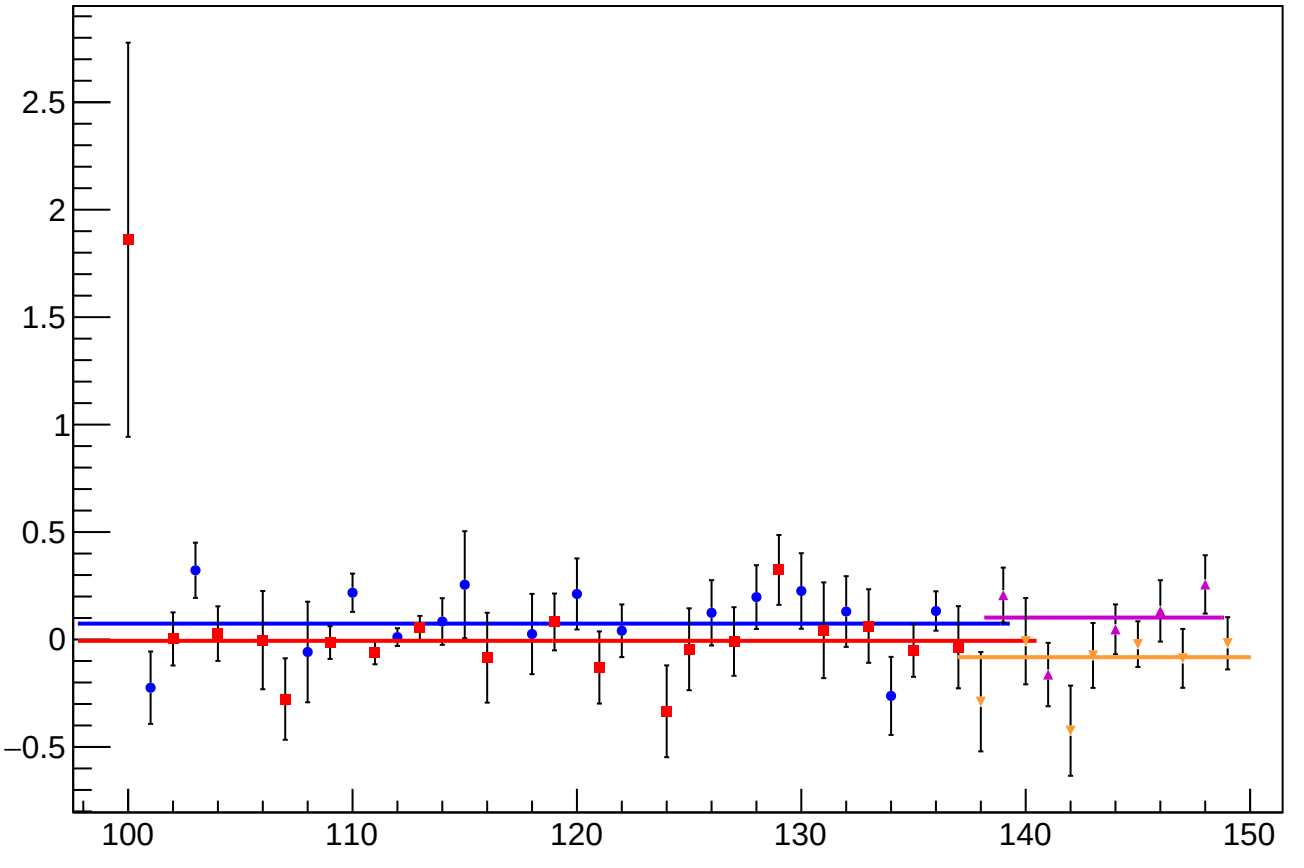
Left: 0.000+/-0.000 χ^2/NDF: 617851.9/11

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:2731512.0/25

All: 0.000+/-0.000 χ^2/NDF: 5048106.7/46



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

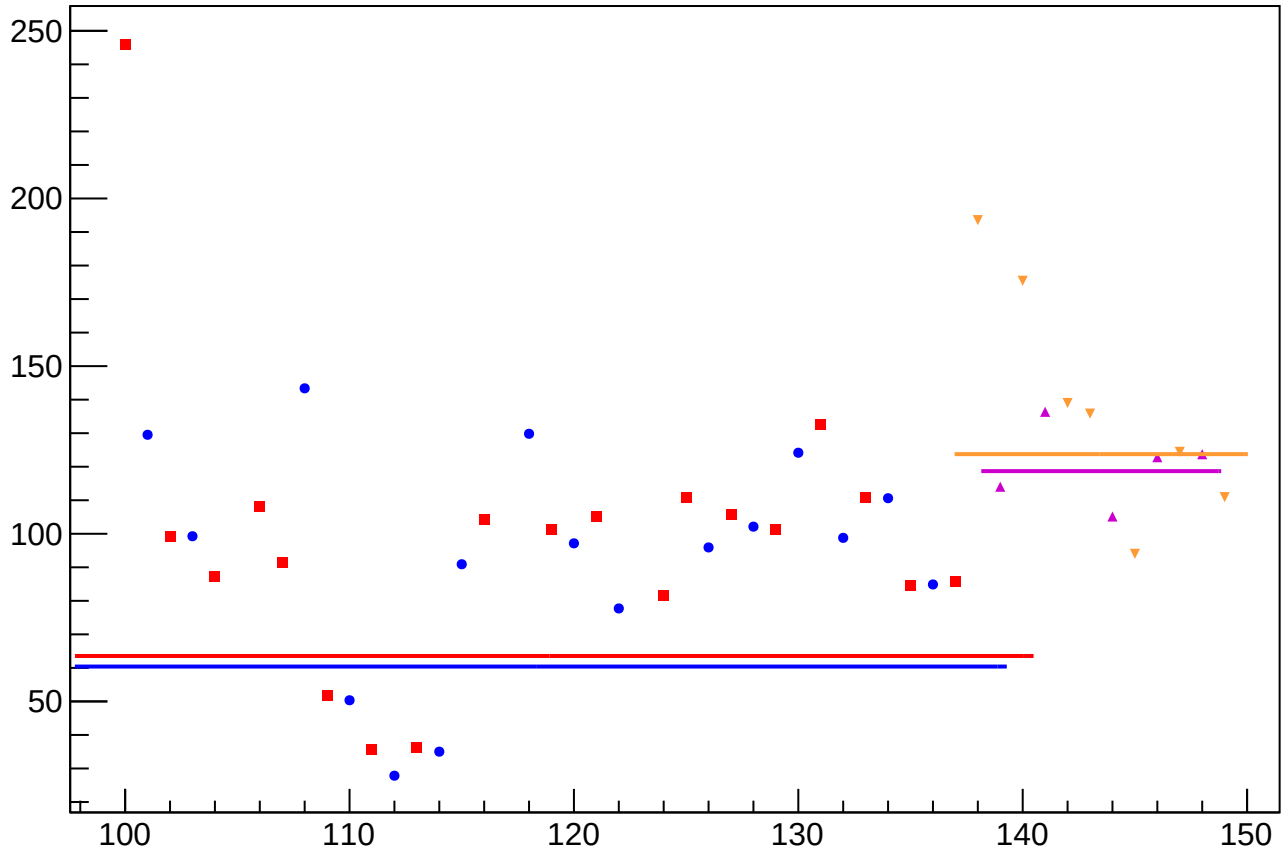
Left: 0.005+/-0.041 χ^2/NDF: 14.8/11

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+/-0.024 χ^2/NDF:22.1/25

All: 0.028+/-0.017 χ^2/NDF: 55.0/46



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 123.751+/-0.040 χ^2/NDF:516989.8/6

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: 121.366+/-0.029 χ^2/NDF: 587862.1/11

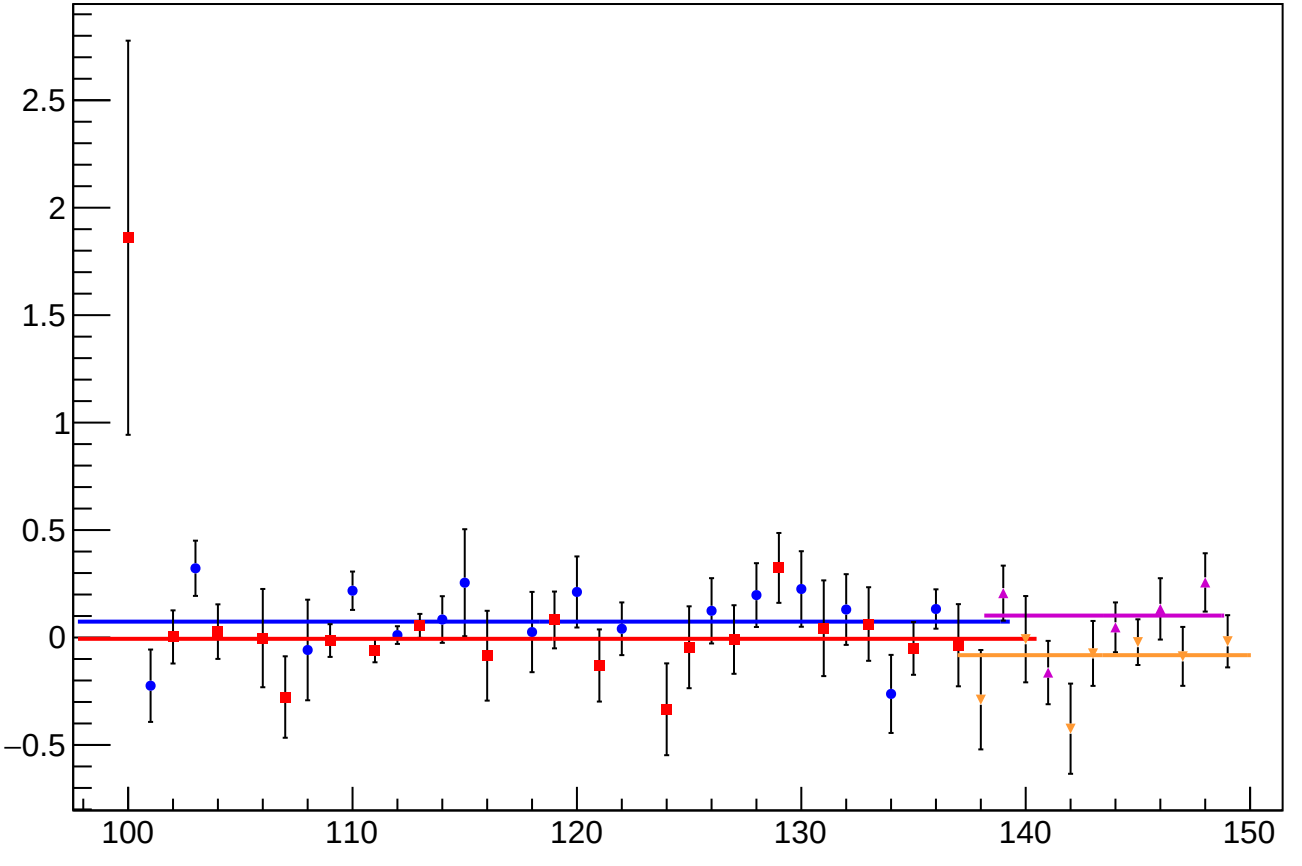
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 70.430+/-0.017 χ^2/NDF:5203650.7/20

Out: 74.810+/-0.017 χ^2/NDF:5054210.4/25

All: 72.655+/-0.012 χ^2/NDF: 10290119.2/46

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

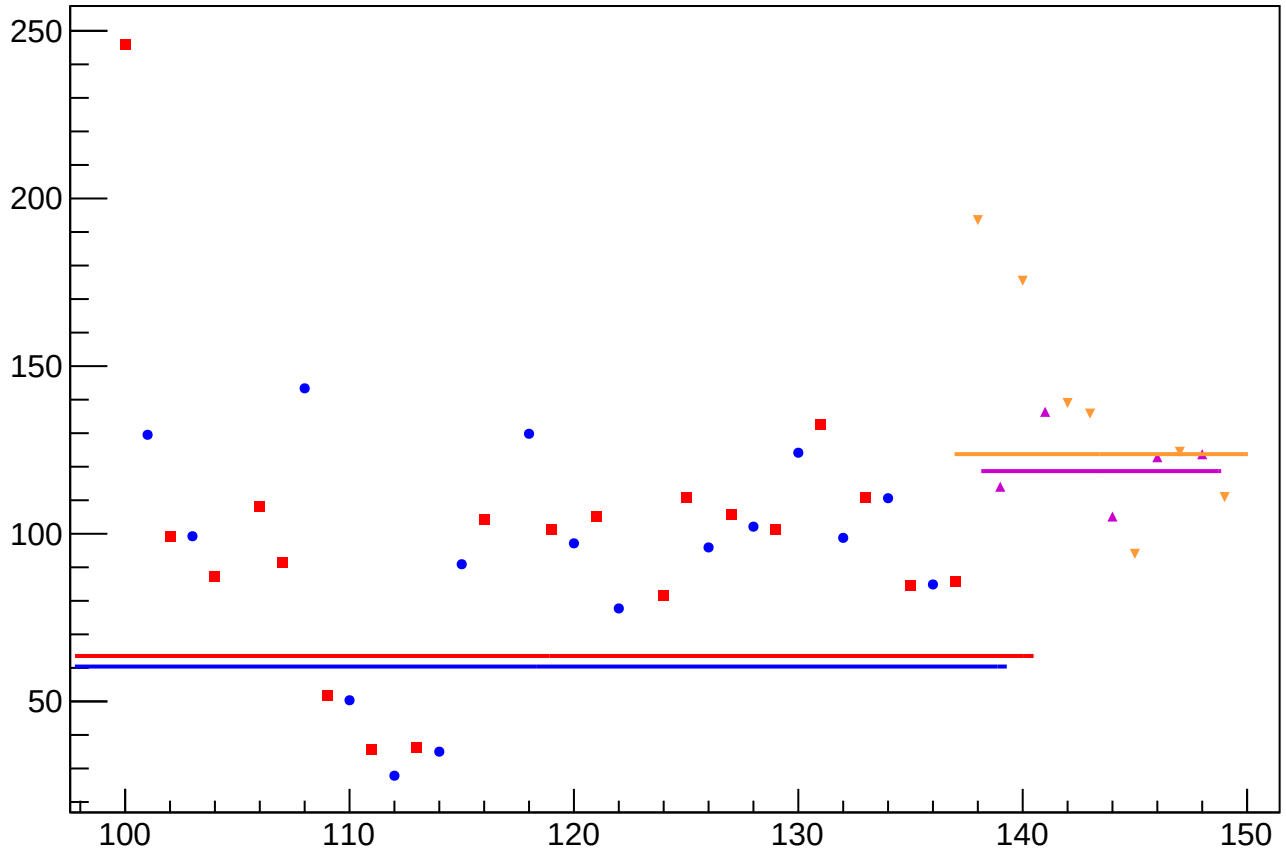
Left: 0.005+/-0.041 χ^2/NDF: 14.8/11

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+/-0.024 χ^2/NDF:22.1/25

All: 0.028+/-0.017 χ^2/NDF: 55.0/46



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 123.751+/-0.040 χ^2/NDF:516989.8/6

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 118.690+/-0.042 χ^2/NDF:63159.2/4

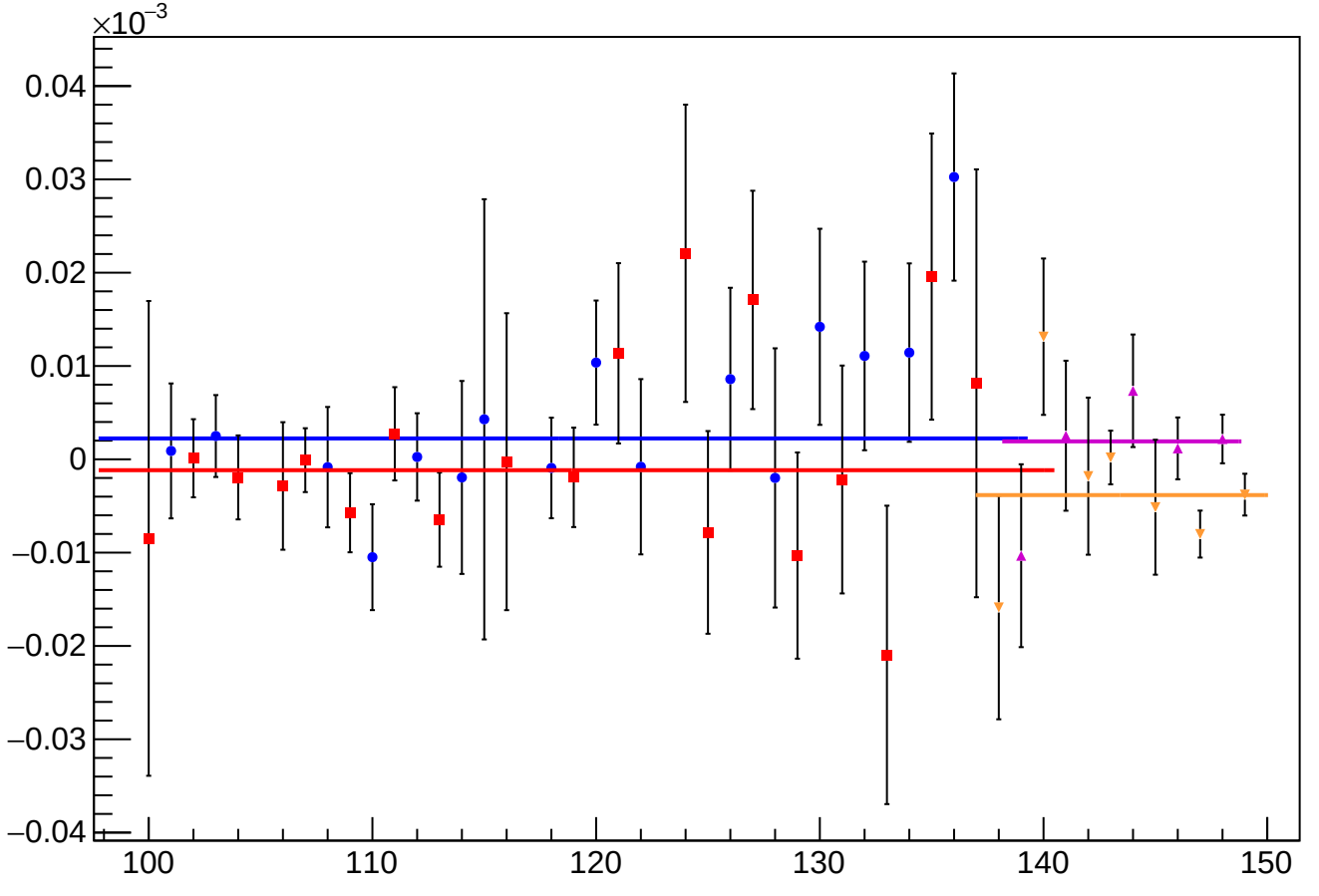
Left: 121.366+/-0.029 χ^2/NDF: 587862.1/11

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 70.430+/-0.017 χ^2/NDF:5203650.7/20

Out: 74.810+/-0.017 χ^2/NDF:5054210.4/25

All: 72.655+/-0.012 χ^2/NDF: 10290119.2/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/4

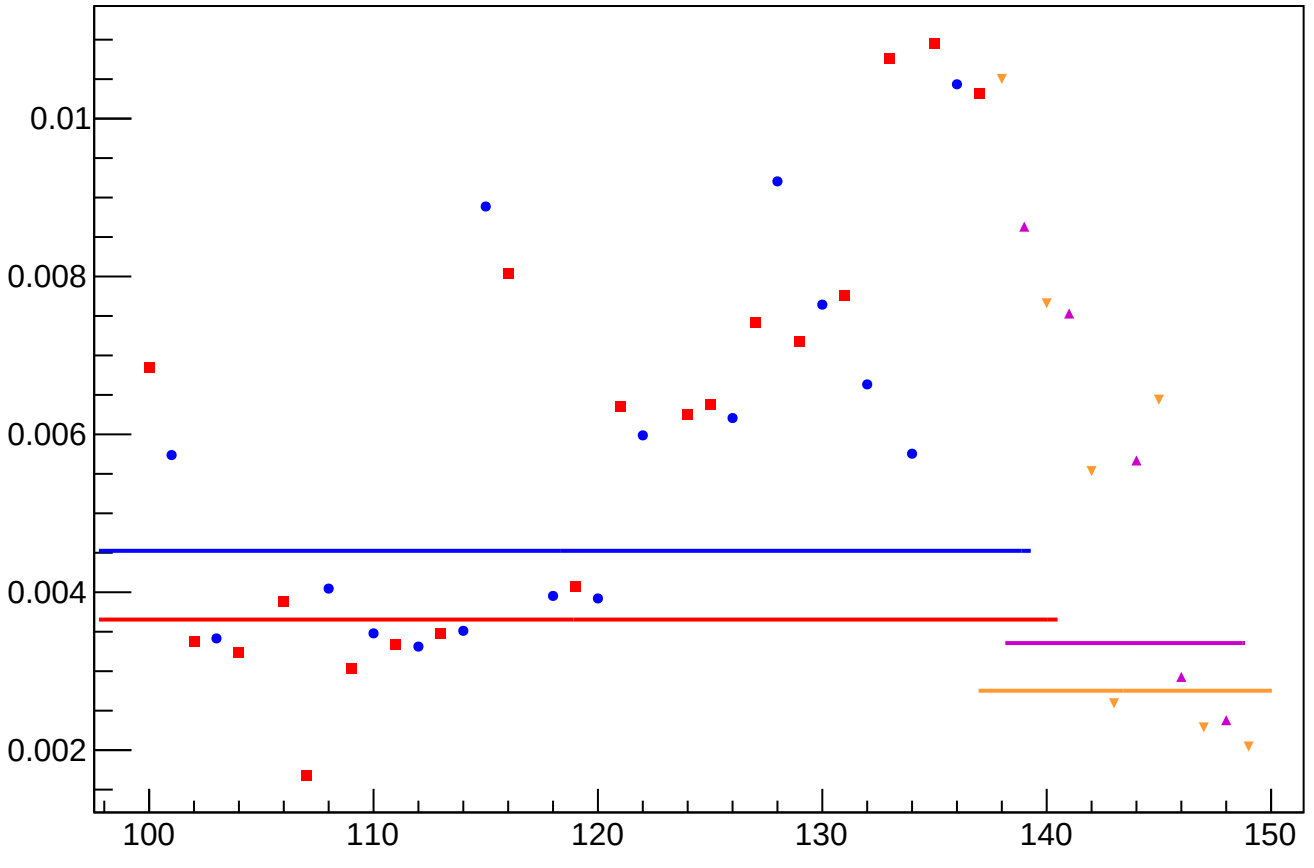
Left: -0.000+/-0.000 χ^2/NDF: 18.6/11

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:25.7/25

All: -0.000+/-0.000 χ^2/NDF: 53.8/46



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2534112.0/6

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: 4400261.1/11

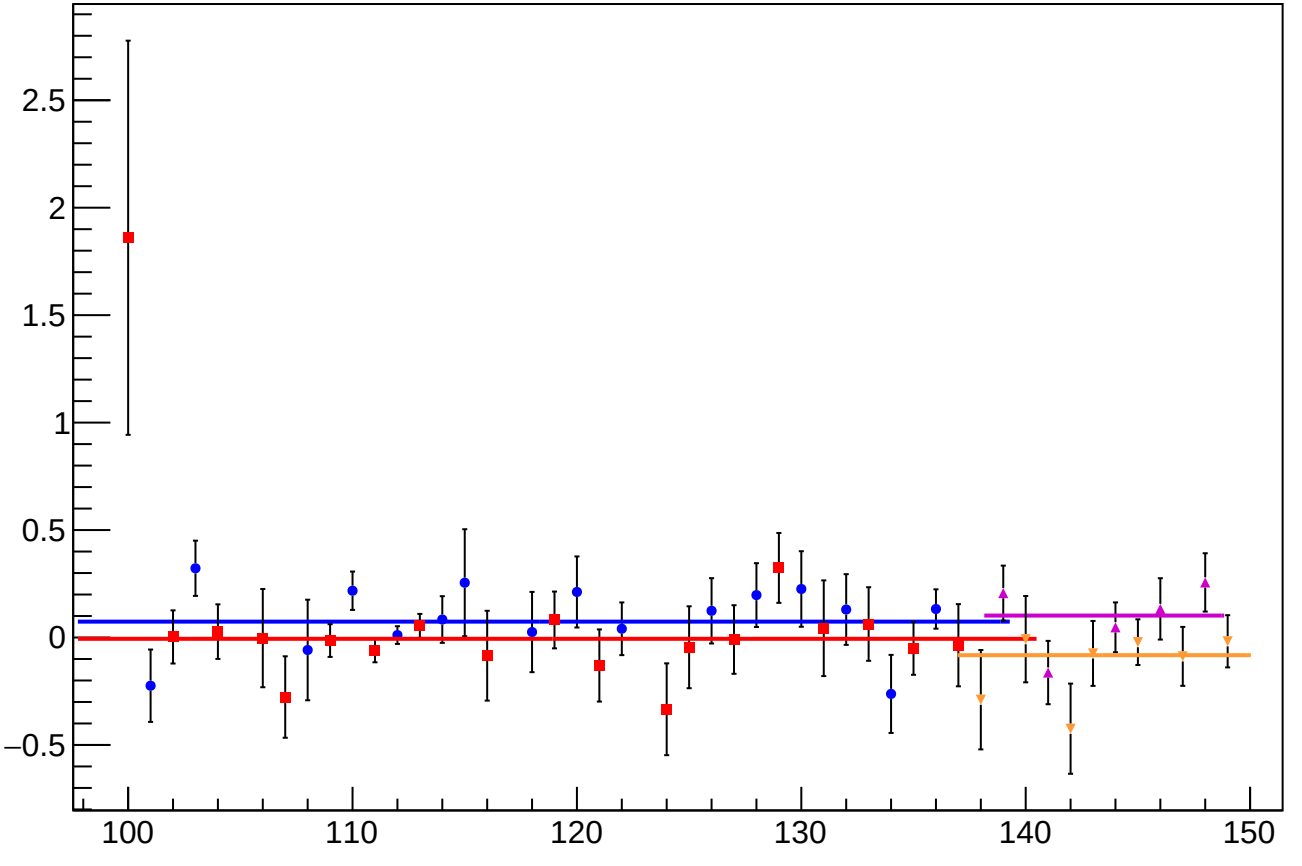
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:3857242.6/20

Out: 0.003+/-0.000 χ^2/NDF:5861220.0/25

All: 0.003+/-0.000 χ^2/NDF: 10181789.5/46

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

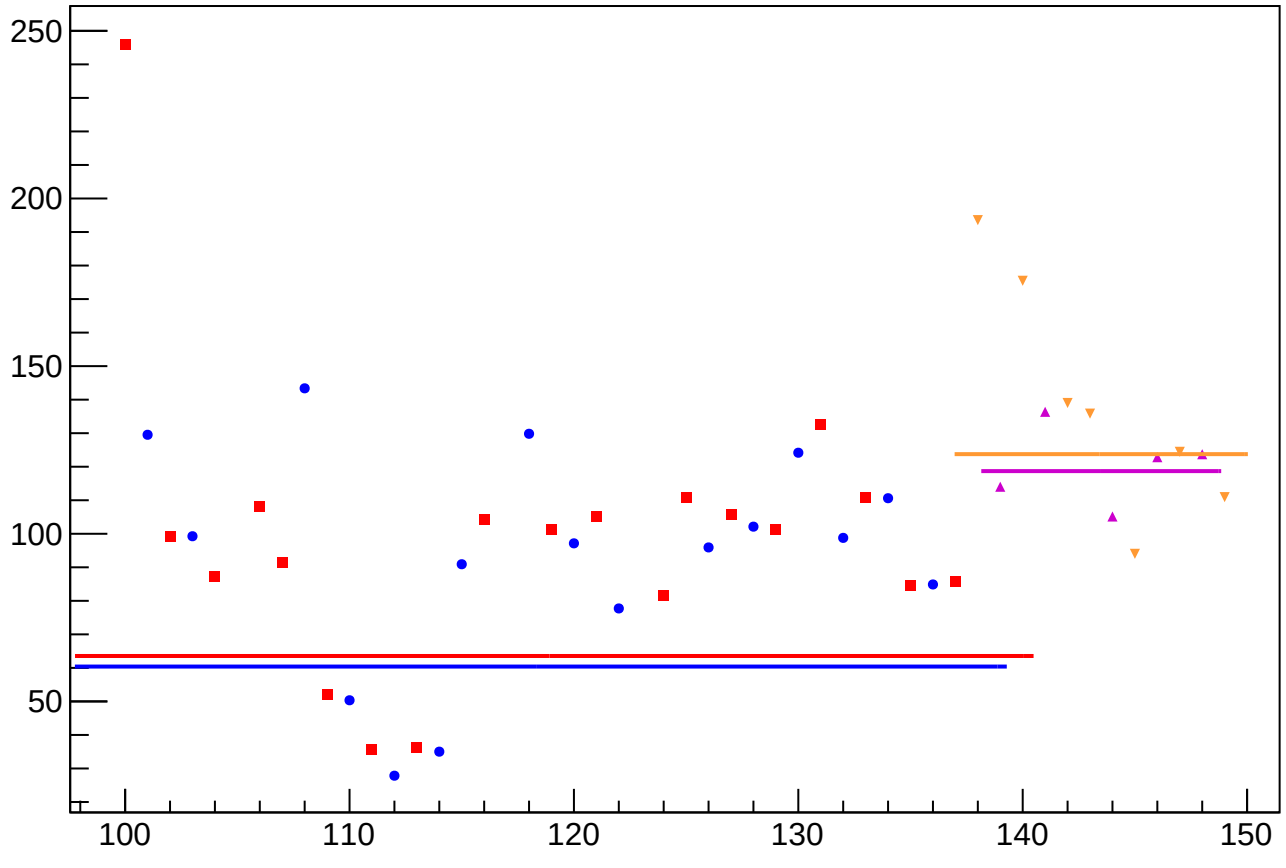
Left: 0.005+/-0.041 χ^2/NDF: 14.8/11

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+/-0.024 χ^2/NDF:22.1/25

All: 0.028+/-0.017 χ^2/NDF: 55.0/46



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 123.752+/-0.040 χ^2/NDF:516964.2/6

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: 121.367+/-0.029 χ^2/NDF: 587838.1/11

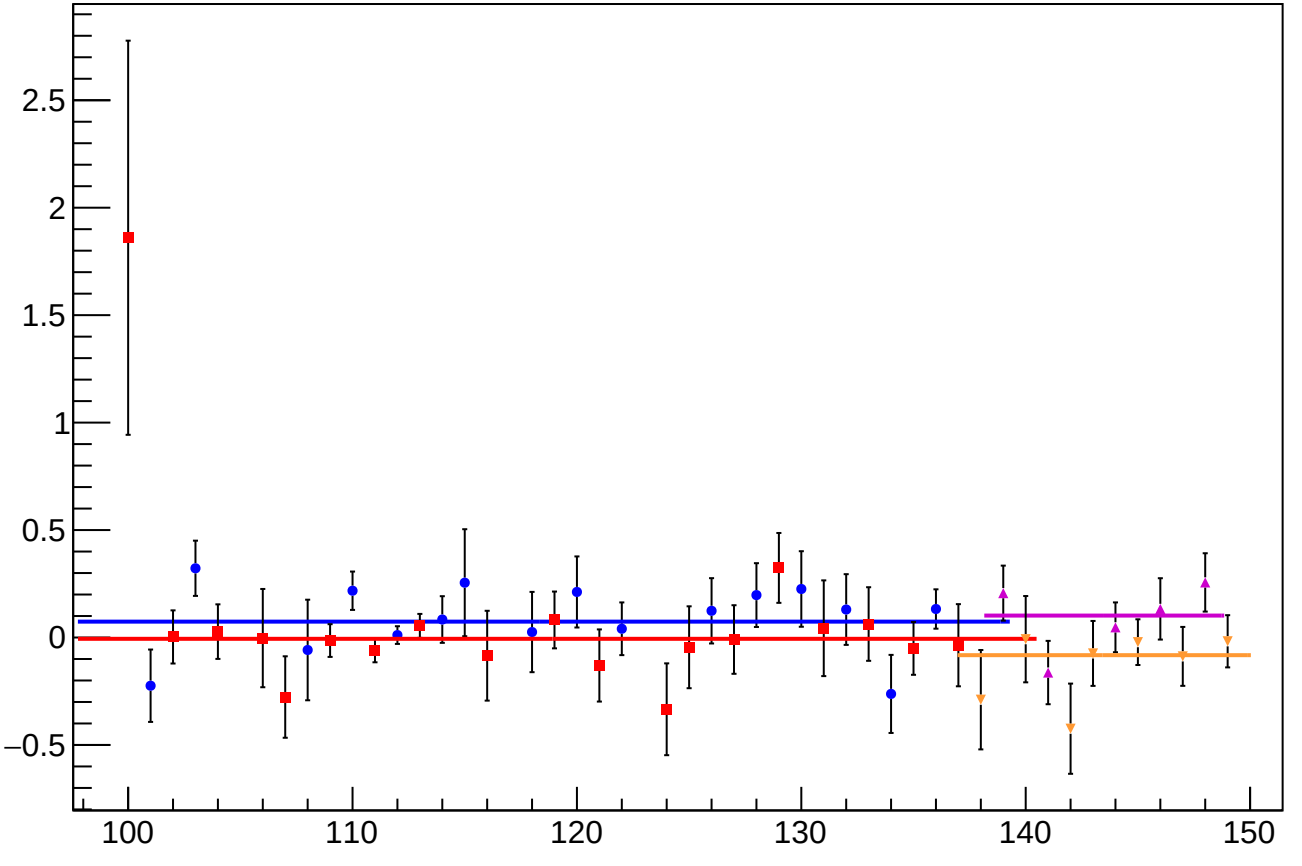
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 70.428+/-0.017 χ^2/NDF:5204068.8/20

Out: 74.808+/-0.017 χ^2/NDF:5054630.0/25

All: 72.653+/-0.012 χ^2/NDF: 10290963.0/46

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: -0.082+/-0.056 χ^2/NDF:4.2/6

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.102+/-0.059 χ^2/NDF:5.5/4

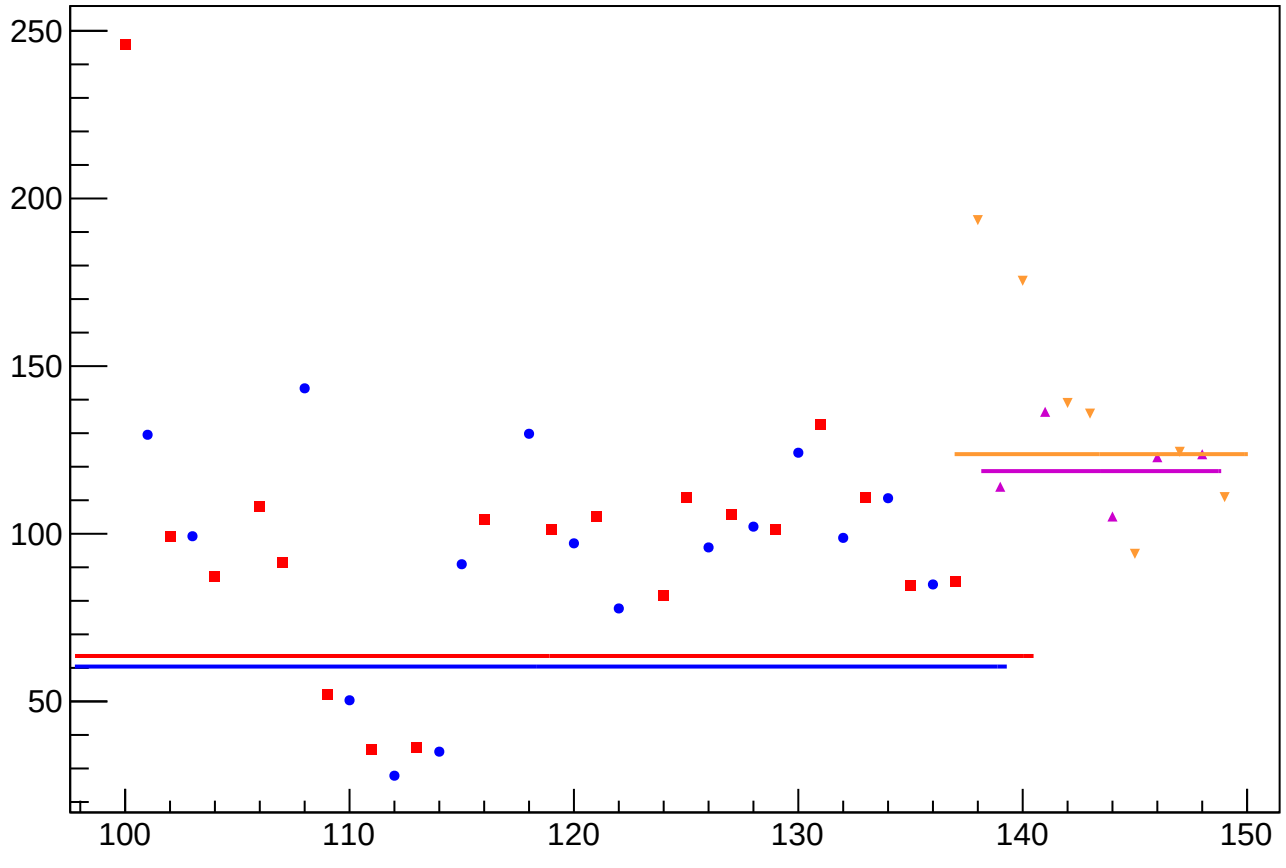
Left: 0.005+/-0.041 χ^2/NDF: 14.8/11

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+/-0.024 χ^2/NDF:22.1/25

All: 0.028+/-0.017 χ^2/NDF: 55.0/46



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 123.752+/-0.040 χ^2/NDF:516964.2/6

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 118.691+/-0.042 χ^2/NDF:63160.0/4

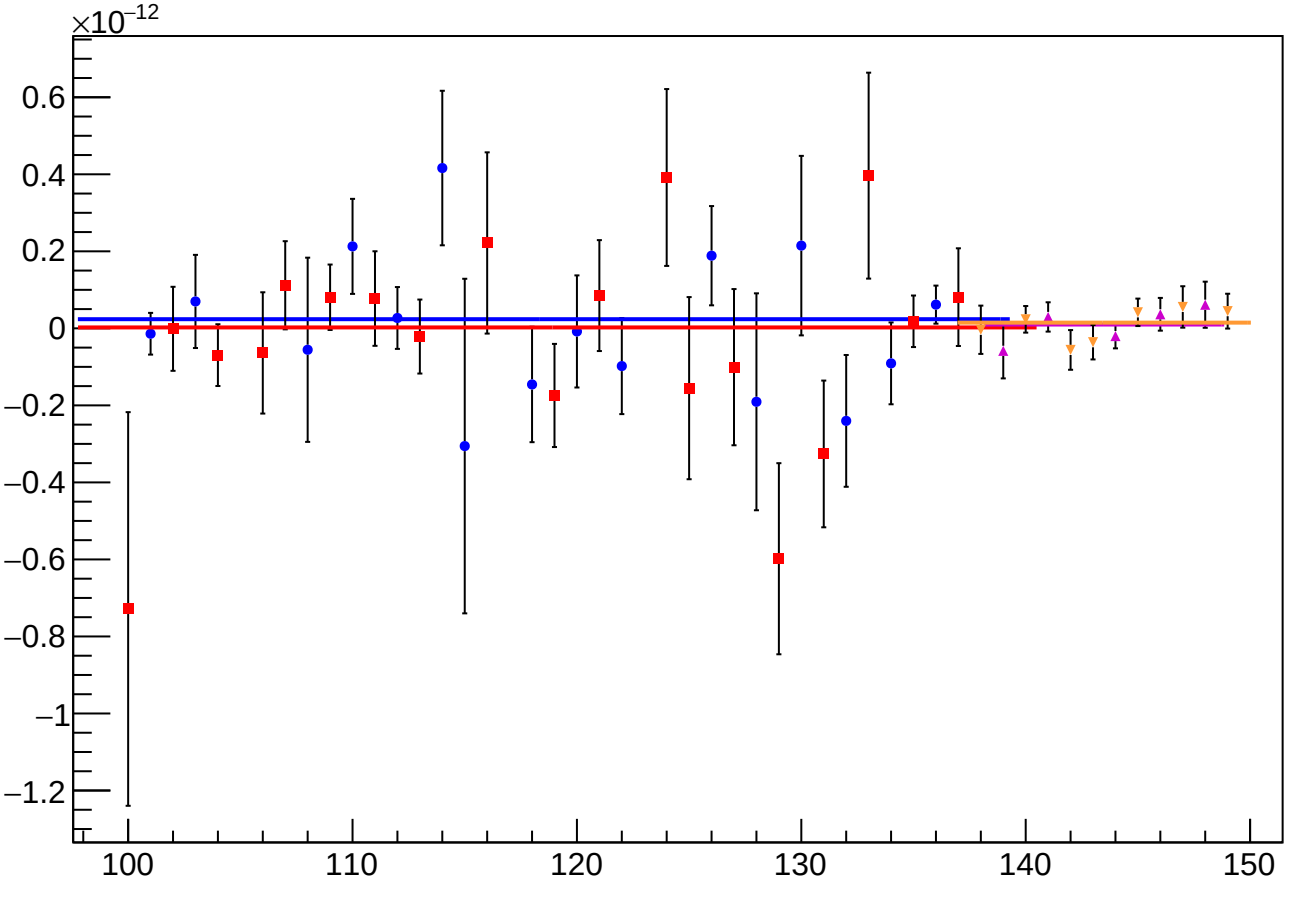
Left: 121.367+/-0.029 χ^2/NDF: 587838.1/11

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 70.428+/-0.017 χ^2/NDF:5204068.8/20

Out: 74.808+/-0.017 χ^2/NDF:5054630.0/25

All: 72.653+/-0.012 χ^2/NDF: 10290963.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/4

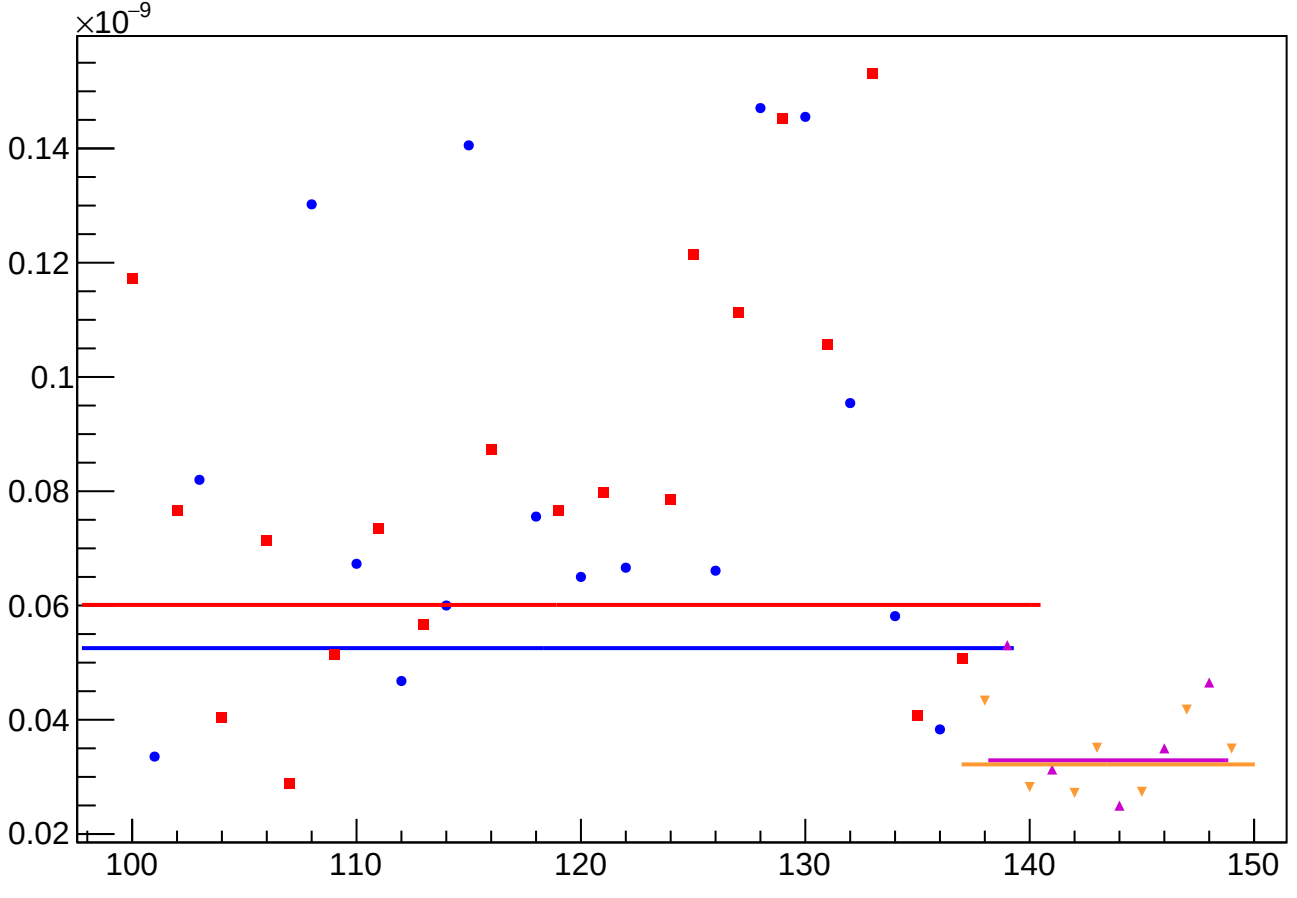
Left: 0.000+/-0.000 χ^2/NDF: 8.1/11

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:28.2/25

All: 0.000+/-0.000 χ^2/NDF: 48.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:224211.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:393999.7/4

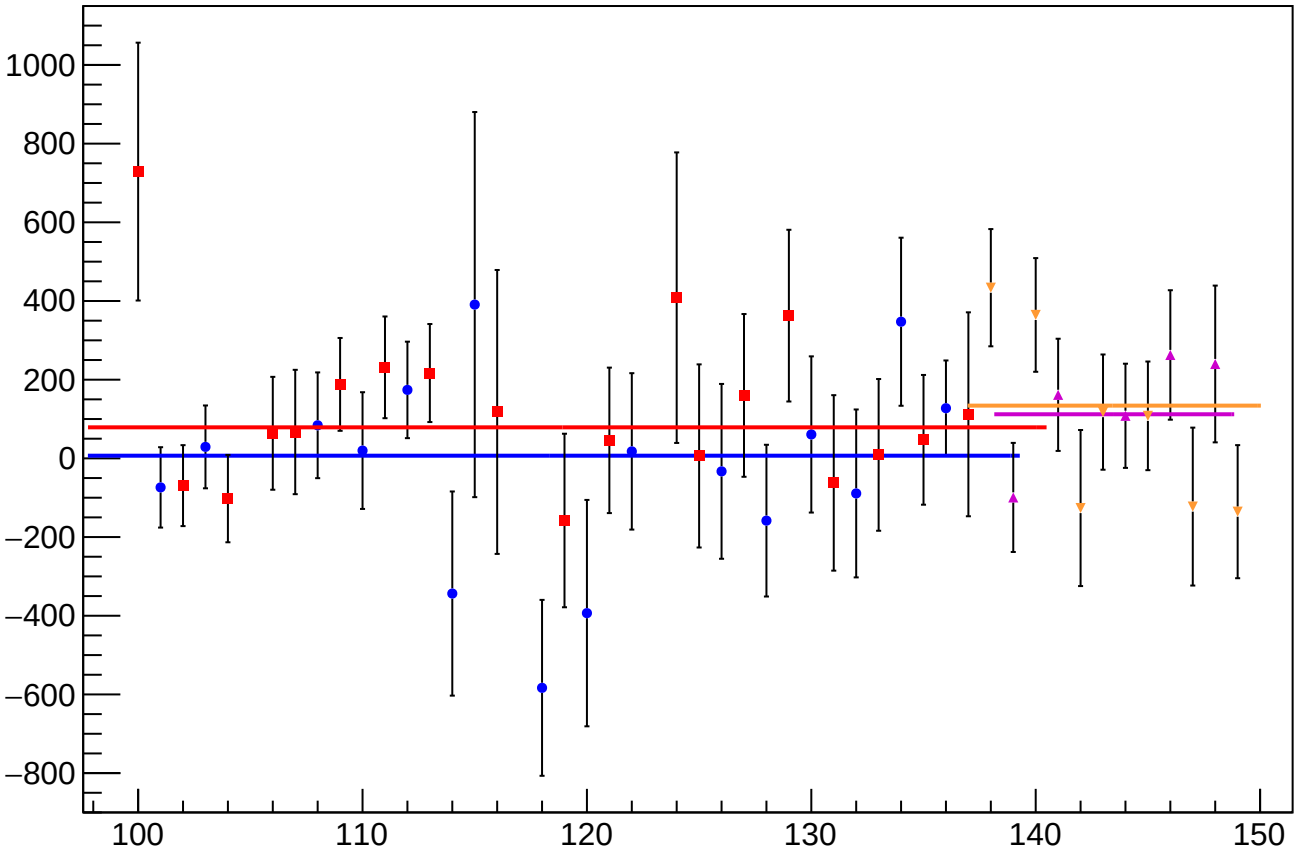
Left: 0.000+/-0.000 χ^2/NDF: 619769.8/11

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:3165331.6/25

All: 0.000+/-0.000 χ^2/NDF: 5940432.1/46



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 134.073+/-60.060 χ^2/NDF:12.5/6

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: 124.343+/-44.828 χ^2/NDF: 16.3/11

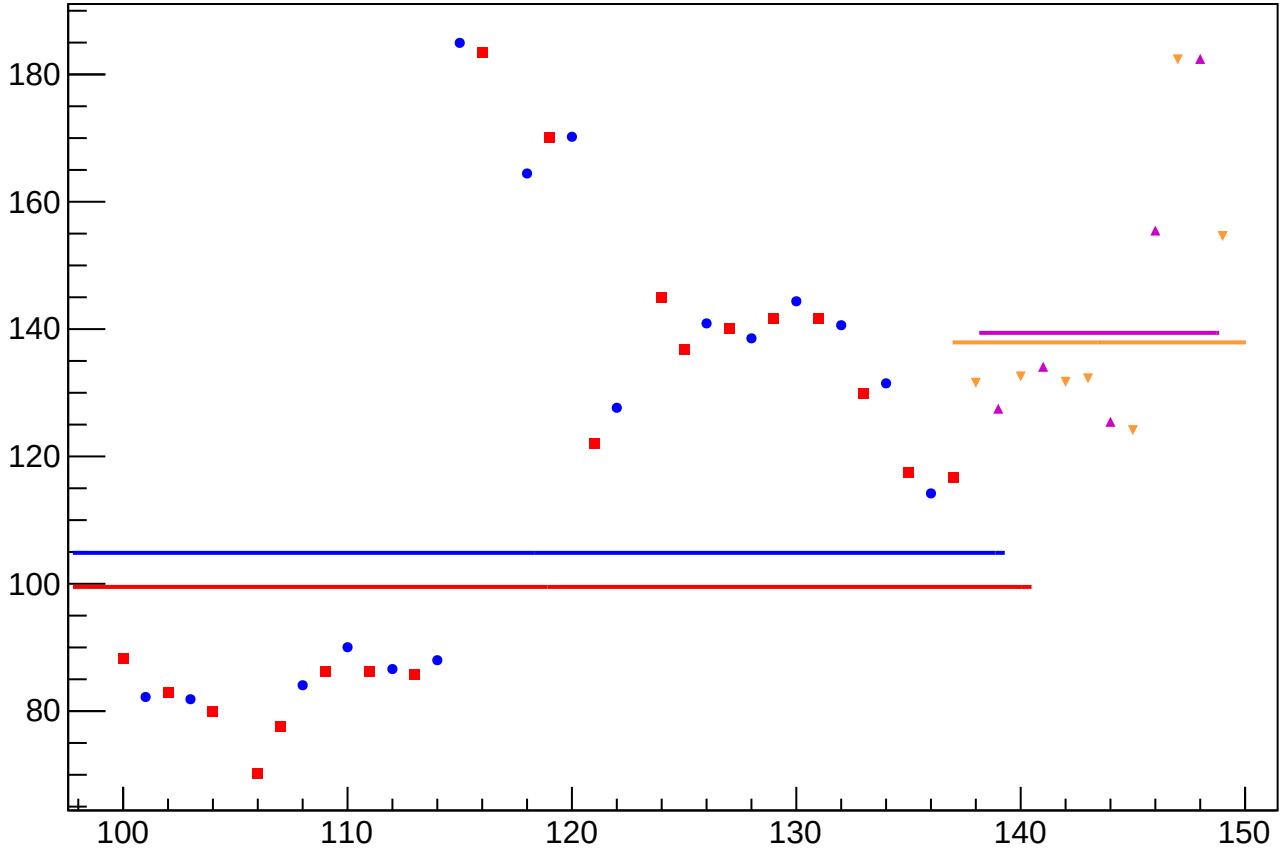
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 34.620+/-34.617 χ^2/NDF:24.3/20

Out: 94.604+/-32.055 χ^2/NDF:29.8/25

All: 66.913+/-23.520 χ^2/NDF: 55.7/46

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 137.912+/-0.042 χ^2/NDF:148840.1/6

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

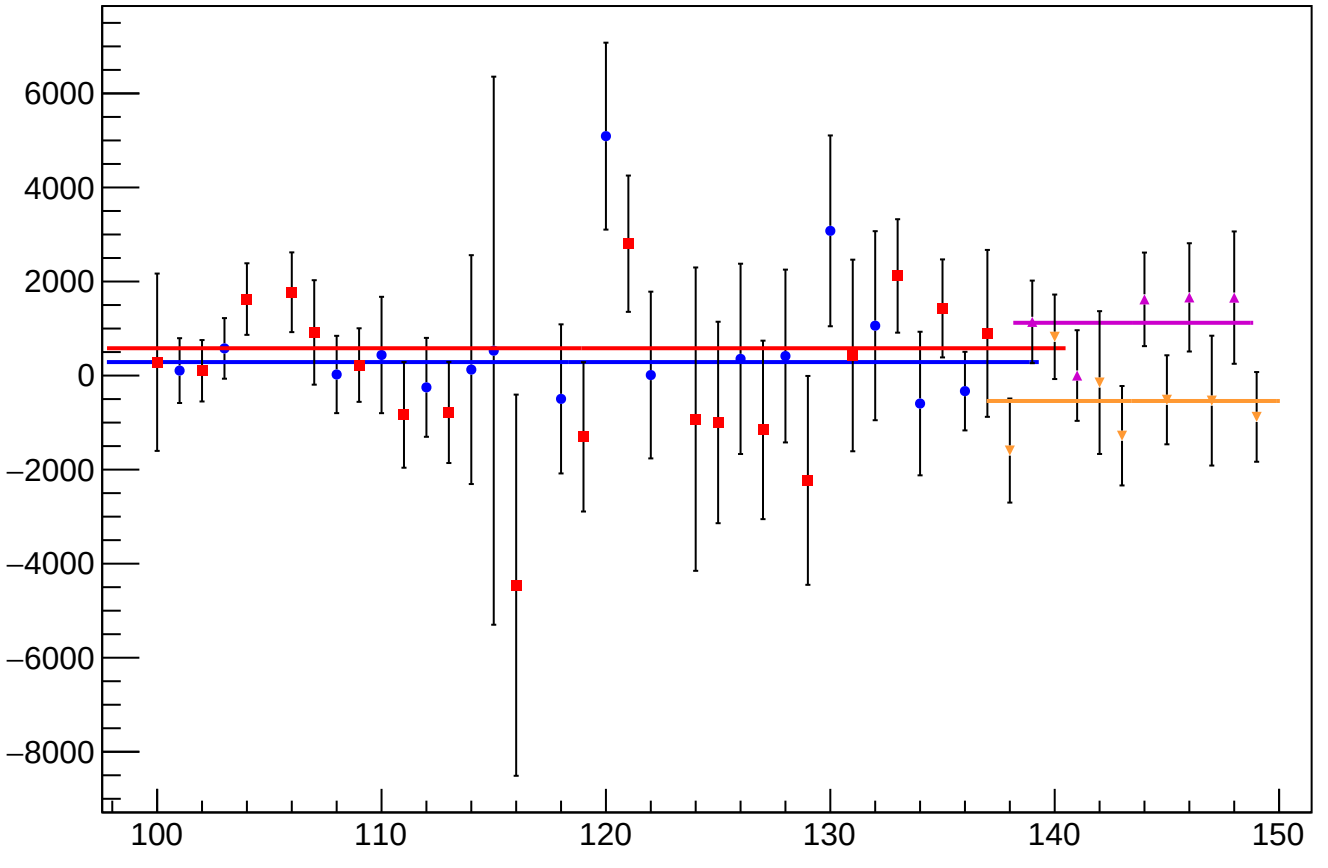
Left: 138.576+/-0.032 χ^2/NDF: 301556.7/11

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 113.985+/-0.024 χ^2/NDF:1470631.5/20

Out: 110.447+/-0.023 χ^2/NDF:1772667.2/25

All: 112.080+/-0.017 χ^2/NDF: 3254542.3/46



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -540.439+/-404.125 χ^2/NDF:3.9/6

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 1122.283+/-464.018 χ^2/NDF:2.0/4

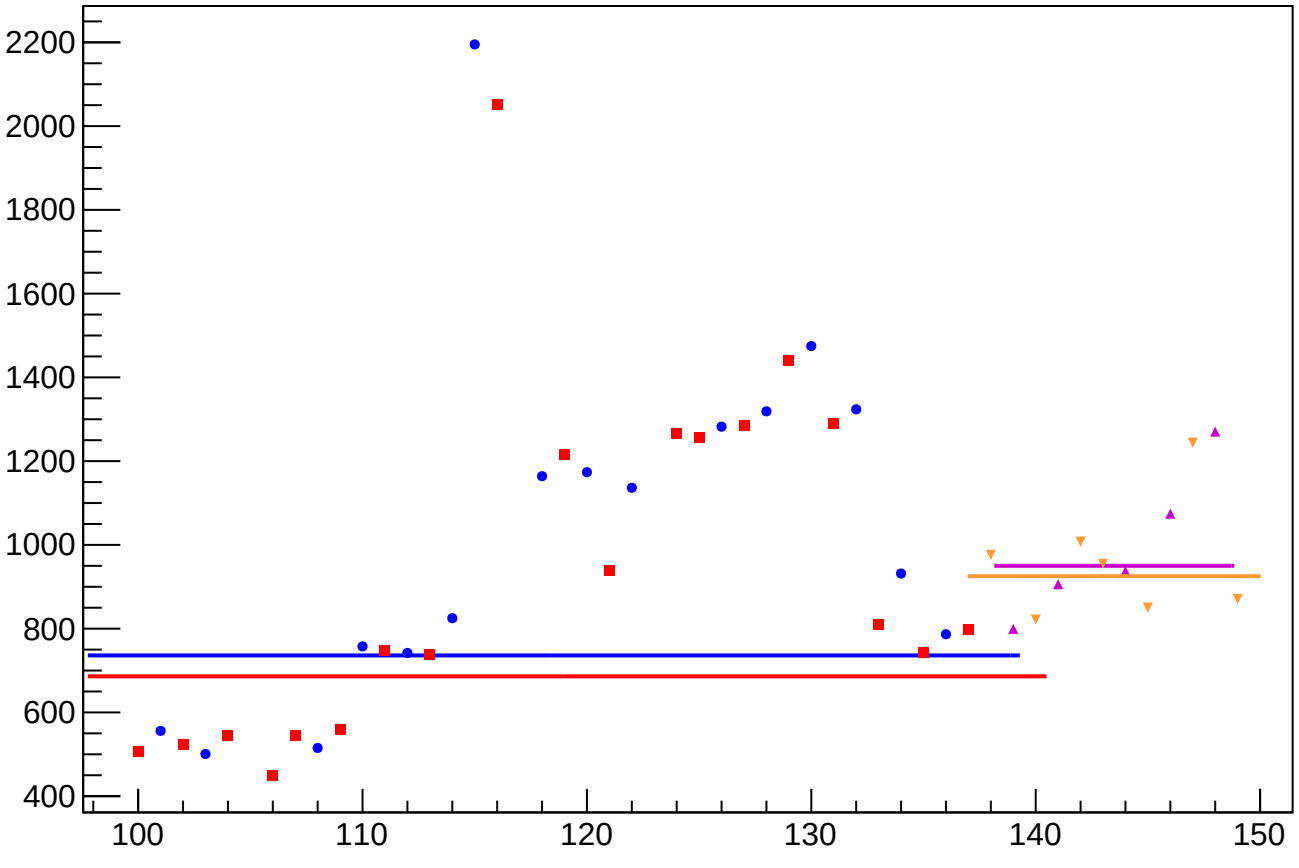
Left: 176.754+/-304.750 χ^2/NDF: 13.2/11

Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 525.595+/-248.030 χ^2/NDF:14.0/20

Out: 235.456+/-224.374 χ^2/NDF:28.0/25

All: 366.033+/-166.393 χ^2/NDF: 42.7/46



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 925.206+/-0.286 χ^2/NDF:163811.6/6

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: 935.946+/-0.215 χ^2/NDF: 357483.4/11

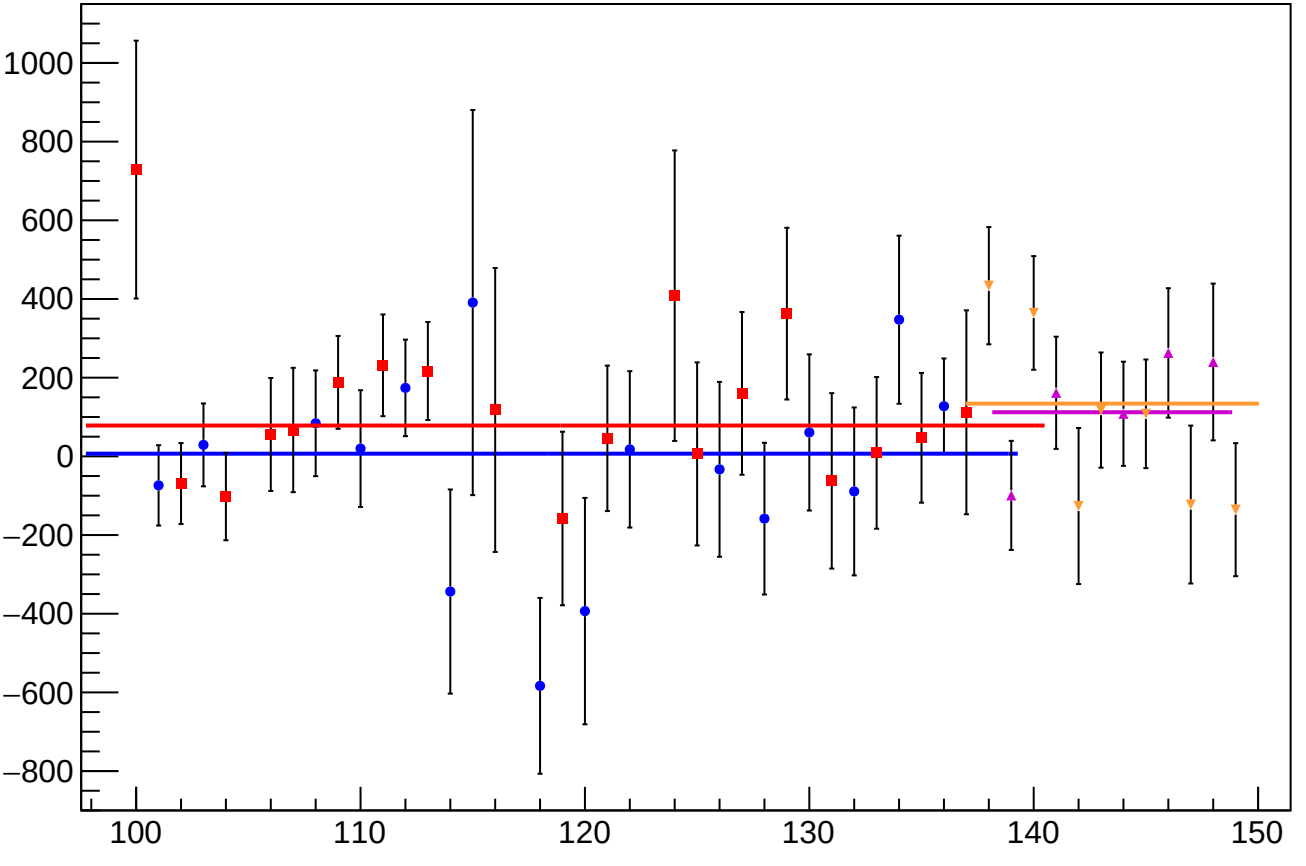
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 797.234+/-0.175 χ^2/NDF:2338805.2/20

Out: 759.812+/-0.159 χ^2/NDF:2467263.7/25

All: 776.654+/-0.118 χ^2/NDF: 4831106.5/46

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 134.080+/-60.060 χ^2/NDF:12.5/6

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: 124.350+/-44.828 χ^2/NDF: 16.3/11

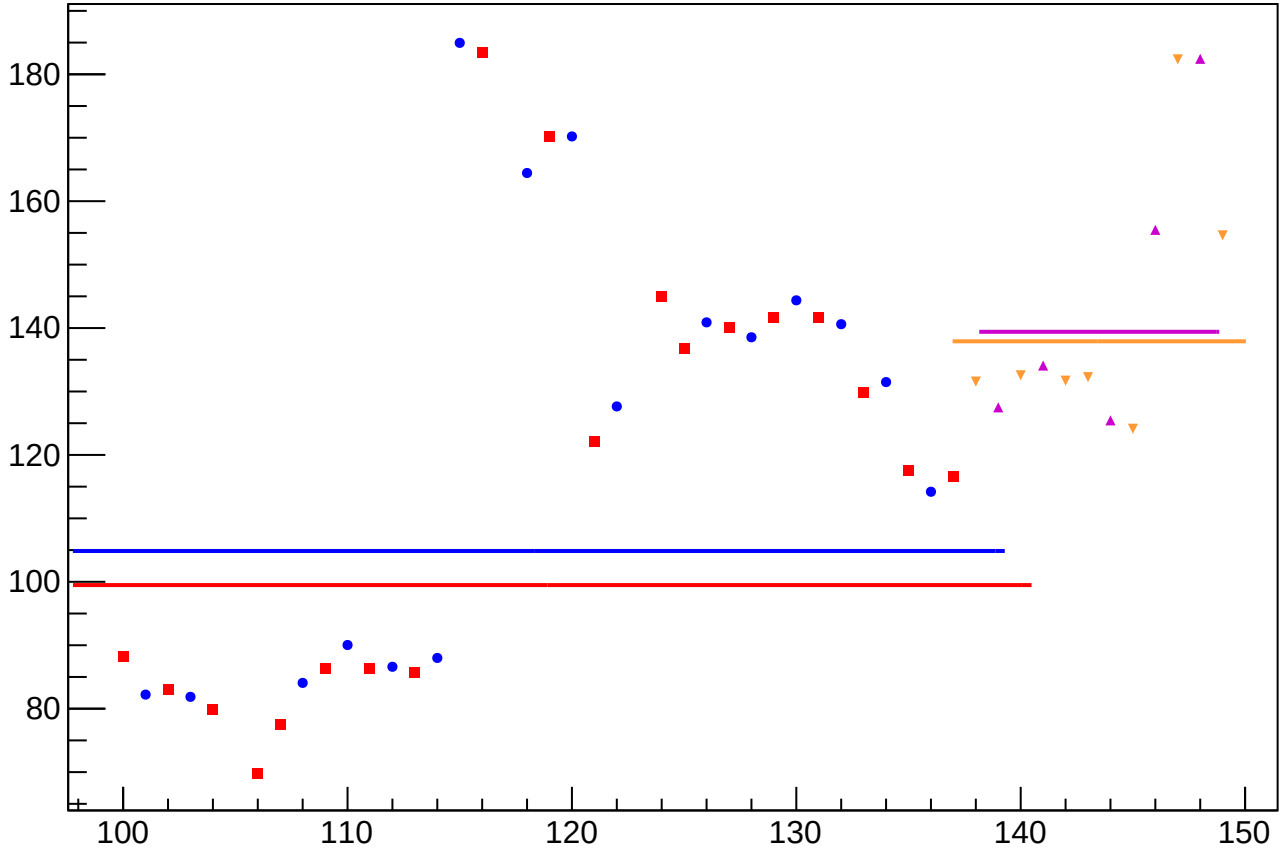
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 34.613+/-34.617 χ^2/NDF:24.3/20

Out: 94.225+/-32.057 χ^2/NDF:29.8/25

All: 66.704+/-23.521 χ^2/NDF: 55.7/46

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 137.912+/-0.042 χ^2/NDF:148840.1/6

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

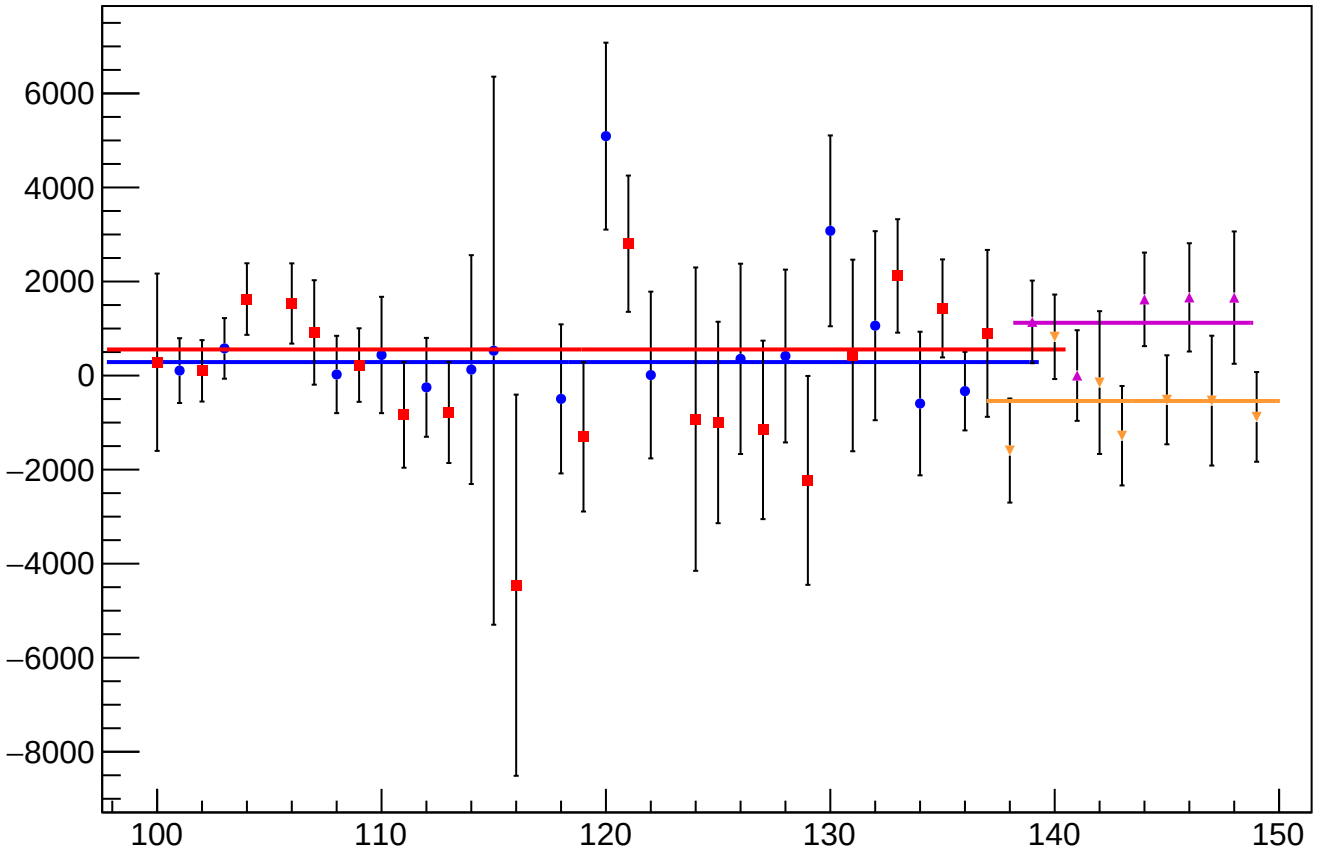
Left: 138.576+/-0.032 χ^2/NDF: 301556.7/11

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 113.985+/-0.024 χ^2/NDF:1470630.4/20

Out: 110.431+/-0.023 χ^2/NDF:1775558.2/25

All: 112.072+/-0.017 χ^2/NDF: 3257533.5/46



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -540.433+/-404.125 χ^2/NDF:3.9/6

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: 176.756+/-304.750 χ^2/NDF: 13.2/11

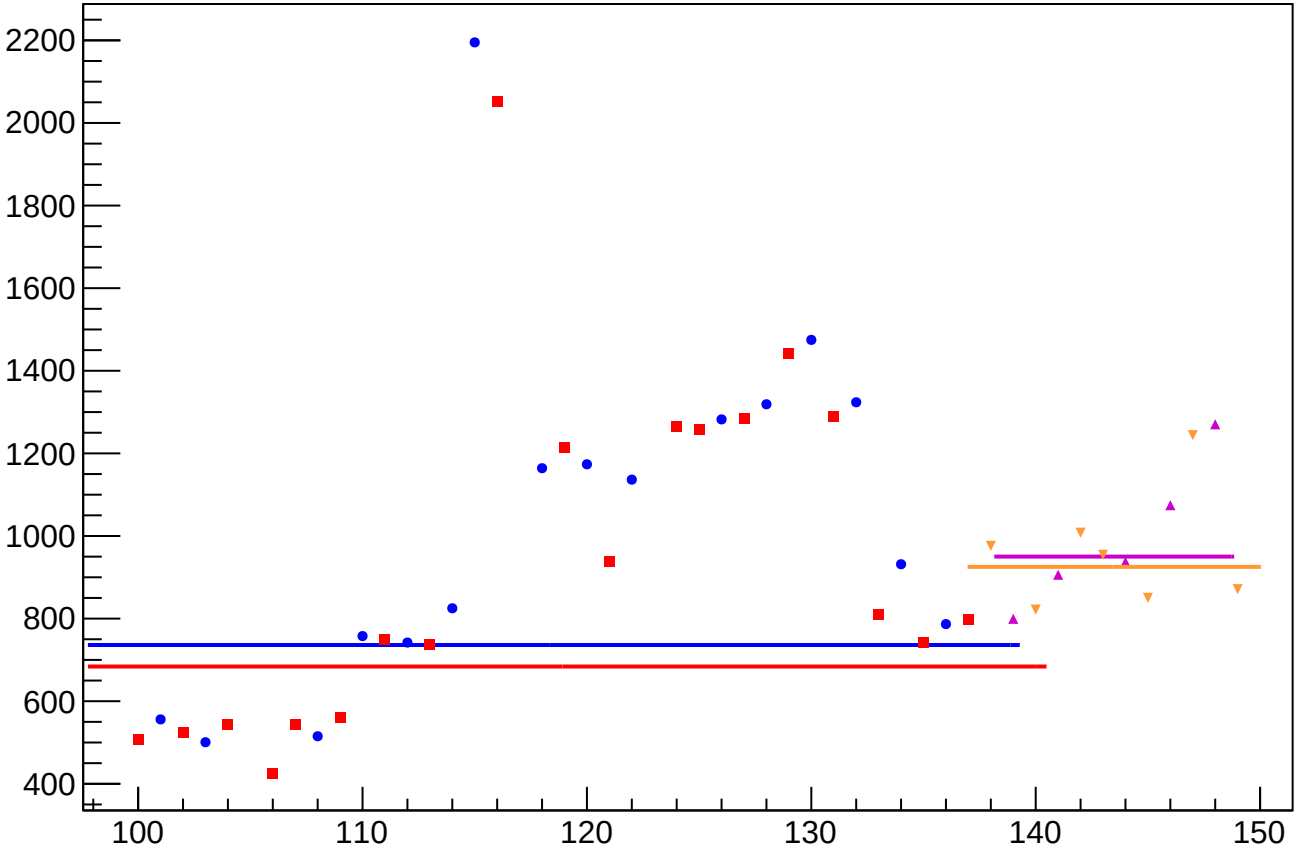
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 525.596+/-248.030 χ^2/NDF:14.0/20

Out: 217.316+/-224.477 χ^2/NDF:27.0/25

All: 356.127+/-166.435 χ^2/NDF: 41.8/46

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 925.206+/-0.286 χ^2/NDF:163811.2/6

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 950.106+/-0.328 χ^2/NDF:190396.7/4

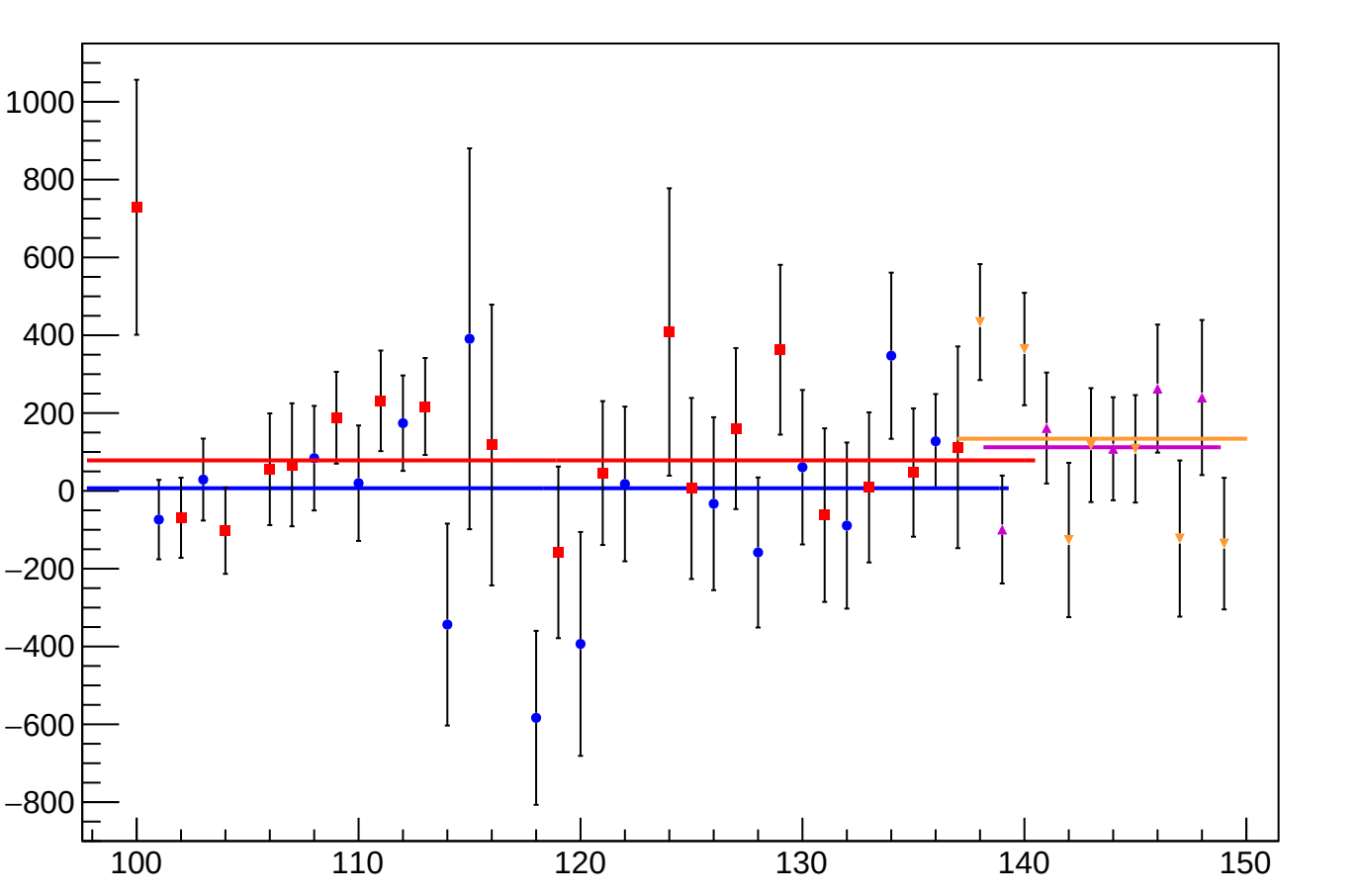
Left: 935.947+/-0.215 χ^2/NDF: 357483.0/11

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 797.234+/-0.175 χ^2/NDF:2338809.2/20

Out: 758.409+/-0.159 χ^2/NDF:2506946.4/25

All: 775.891+/-0.118 χ^2/NDF: 4872695.2/46



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 134.080+/-60.060 χ^2/NDF:12.5/6

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 112.111+/-67.359 χ^2/NDF:3.7/4

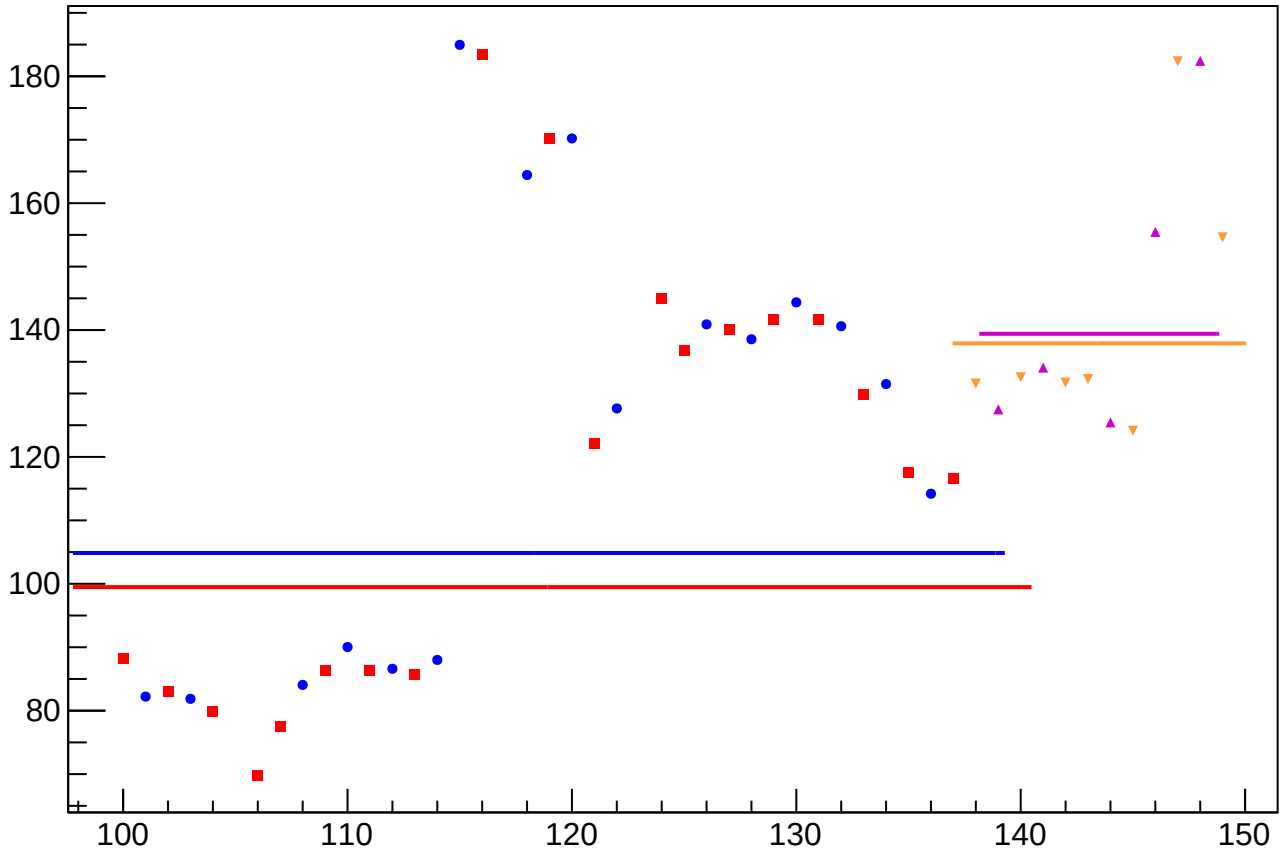
Left: 124.350+/-44.828 χ^2/NDF: 16.3/11

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 34.613+/-34.617 χ^2/NDF:24.3/20

Out: 94.225+/-32.057 χ^2/NDF:29.8/25

All: 66.704+/-23.521 χ^2/NDF: 55.7/46



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 137.912+/-0.042 χ^2/NDF:148840.1/6

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 139.411+/-0.048 χ^2/NDF:152164.7/4

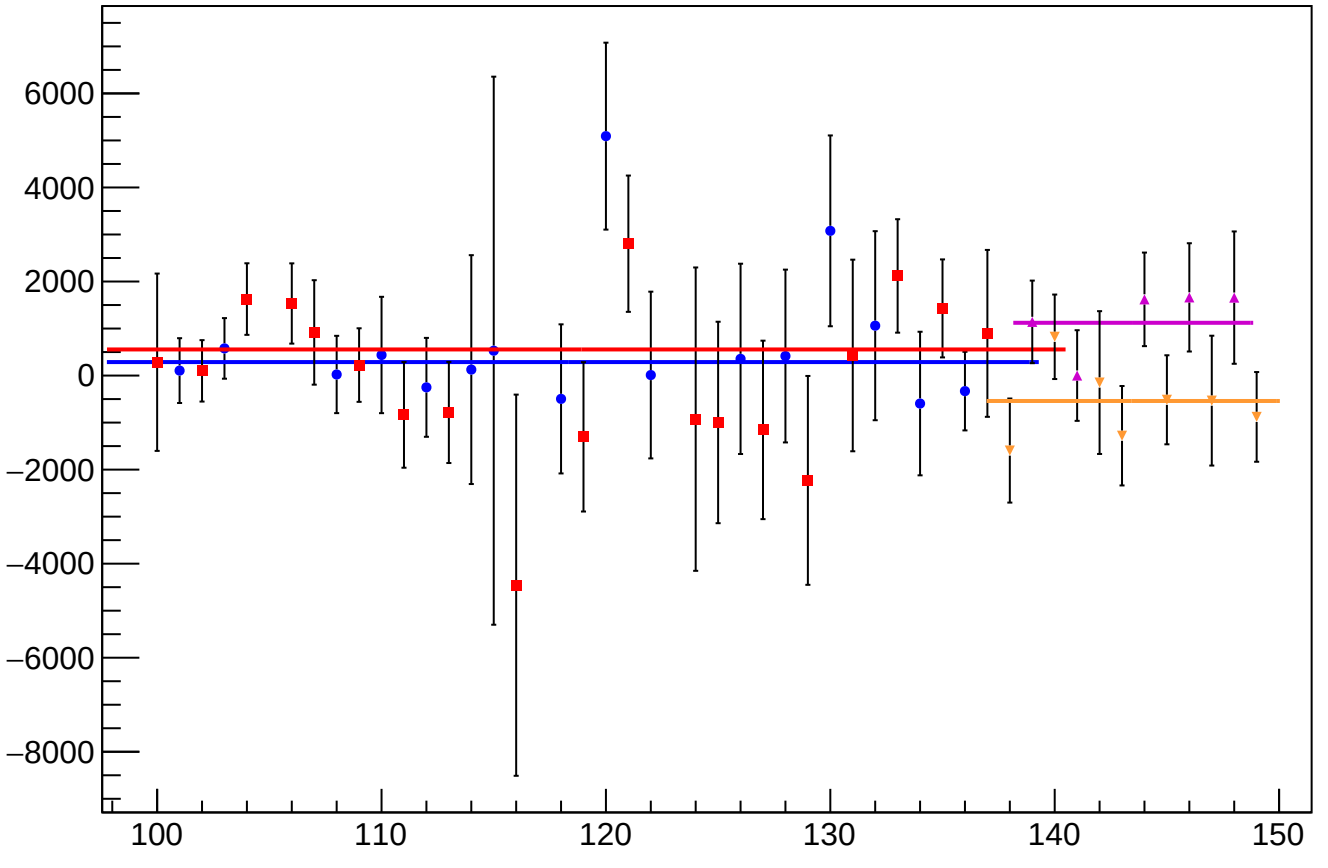
Left: 138.576+/-0.032 χ^2/NDF: 301556.7/11

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 113.985+/-0.024 χ^2/NDF:1470630.4/20

Out: 110.431+/-0.023 χ^2/NDF:1775558.2/25

All: 112.072+/-0.017 χ^2/NDF: 3257533.5/46



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -540.433+/-404.125 χ^2/NDF:3.9/6

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: 176.756+/-304.750 χ^2/NDF: 13.2/11

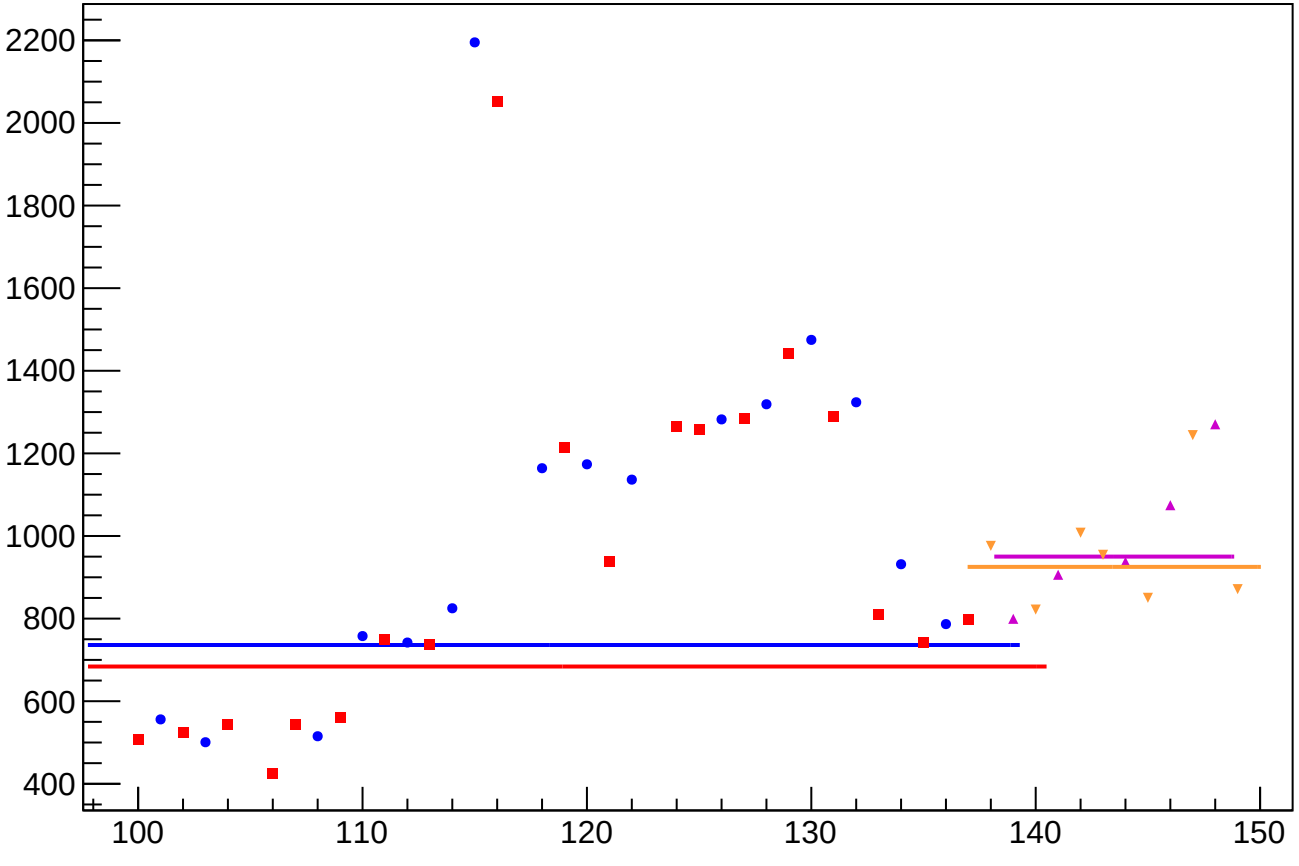
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 525.596+/-248.030 χ^2/NDF:14.0/20

Out: 217.316+/-224.477 χ^2/NDF:27.0/25

All: 356.127+/-166.435 χ^2/NDF: 41.8/46

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 925.206+/-0.286 χ^2/NDF:163811.2/6

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: 935.947+/-0.215 χ^2/NDF: 357483.0/11

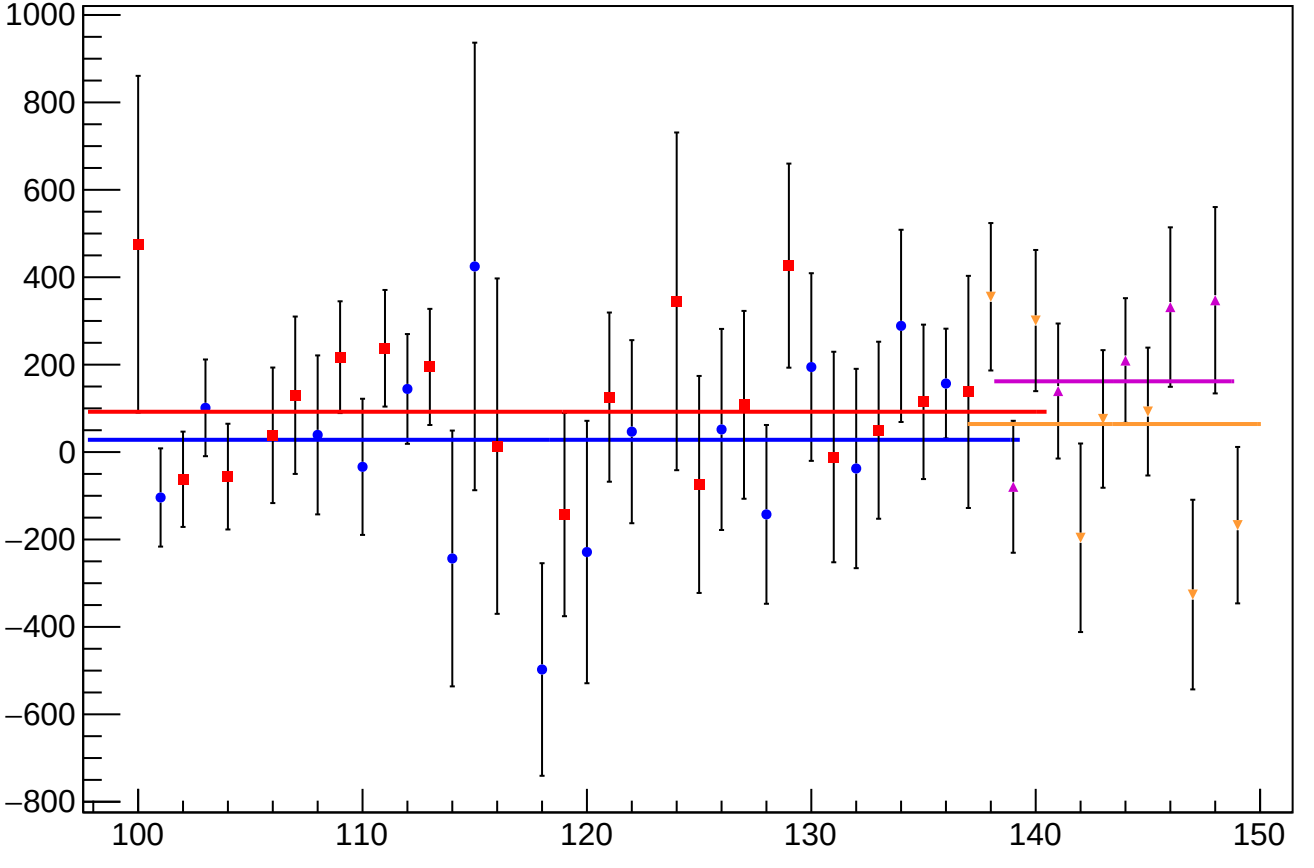
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 797.234+/-0.175 χ^2/NDF:2338809.2/20

Out: 758.409+/-0.159 χ^2/NDF:2506946.4/25

All: 775.891+/-0.118 χ^2/NDF: 4872695.2/46

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 64.182+/-65.296 χ^2/NDF:11.5/6

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: 107.531+/-48.706 χ^2/NDF: 16.8/11

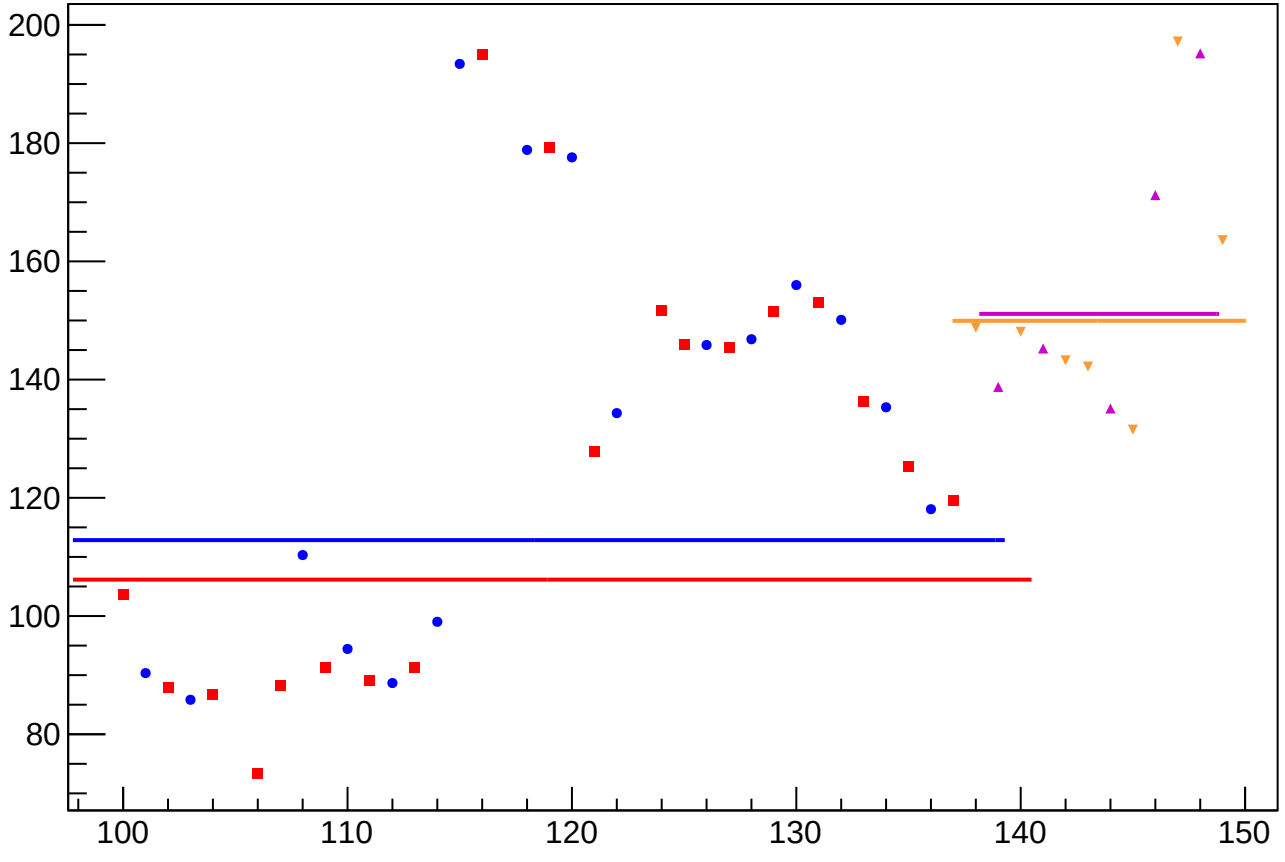
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 62.994+/-37.347 χ^2/NDF:20.3/20

Out: 84.439+/-34.441 χ^2/NDF:23.4/25

All: 74.583+/-25.318 χ^2/NDF: 43.9/46

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 149.948+/-0.046 χ^2/NDF:145265.3/6

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 151.115+/-0.052 χ^2/NDF:151194.4/4

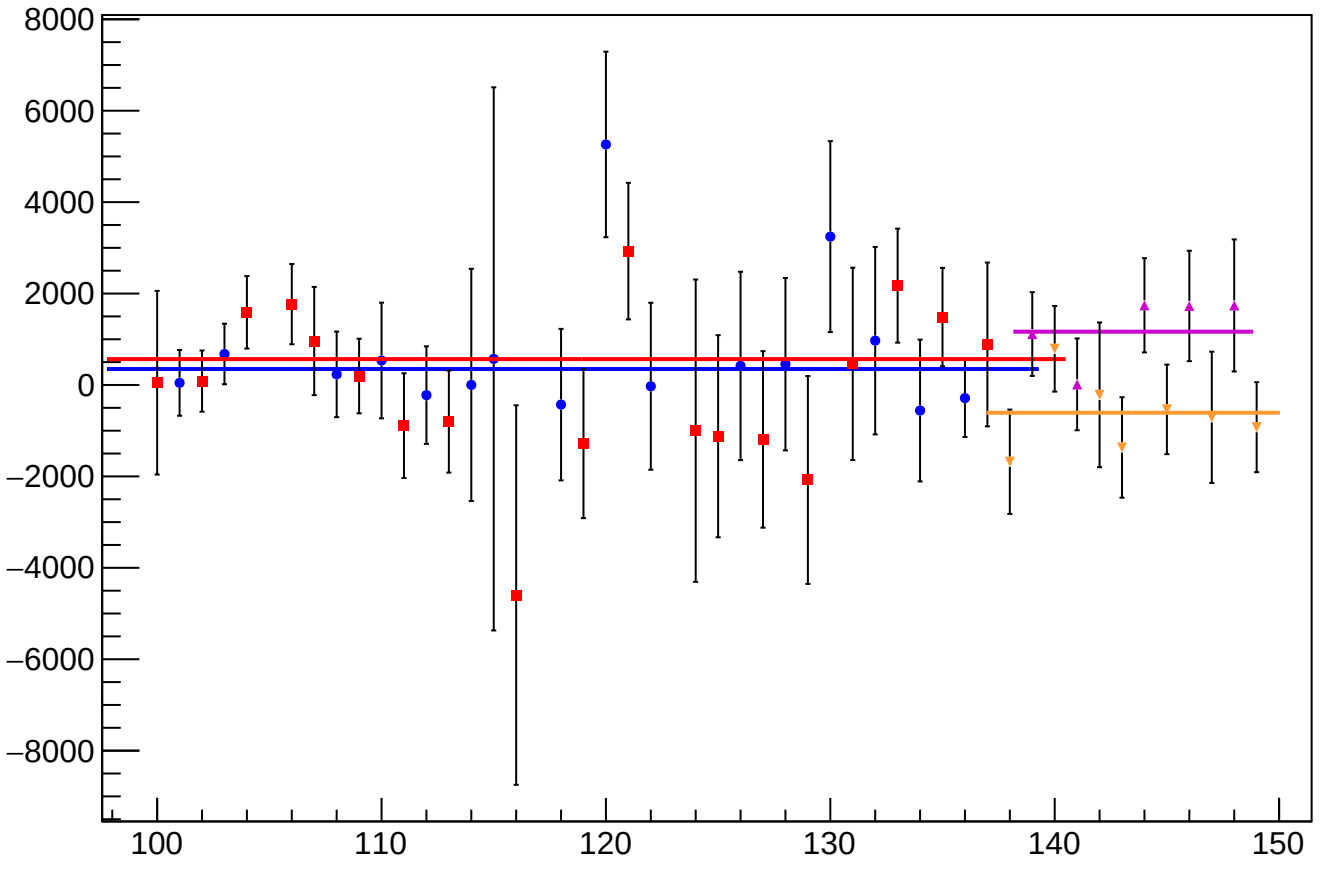
Left: 150.466+/-0.034 χ^2/NDF: 296743.4/11

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 122.825+/-0.026 χ^2/NDF:1428366.7/20

Out: 118.341+/-0.024 χ^2/NDF:1796643.3/25

All: 120.402+/-0.018 χ^2/NDF: 3240588.0/46



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -607.555+/-419.076 χ^2/NDF:3.8/6

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: 154.356+/-316.515 χ^2/NDF: 13.5/11

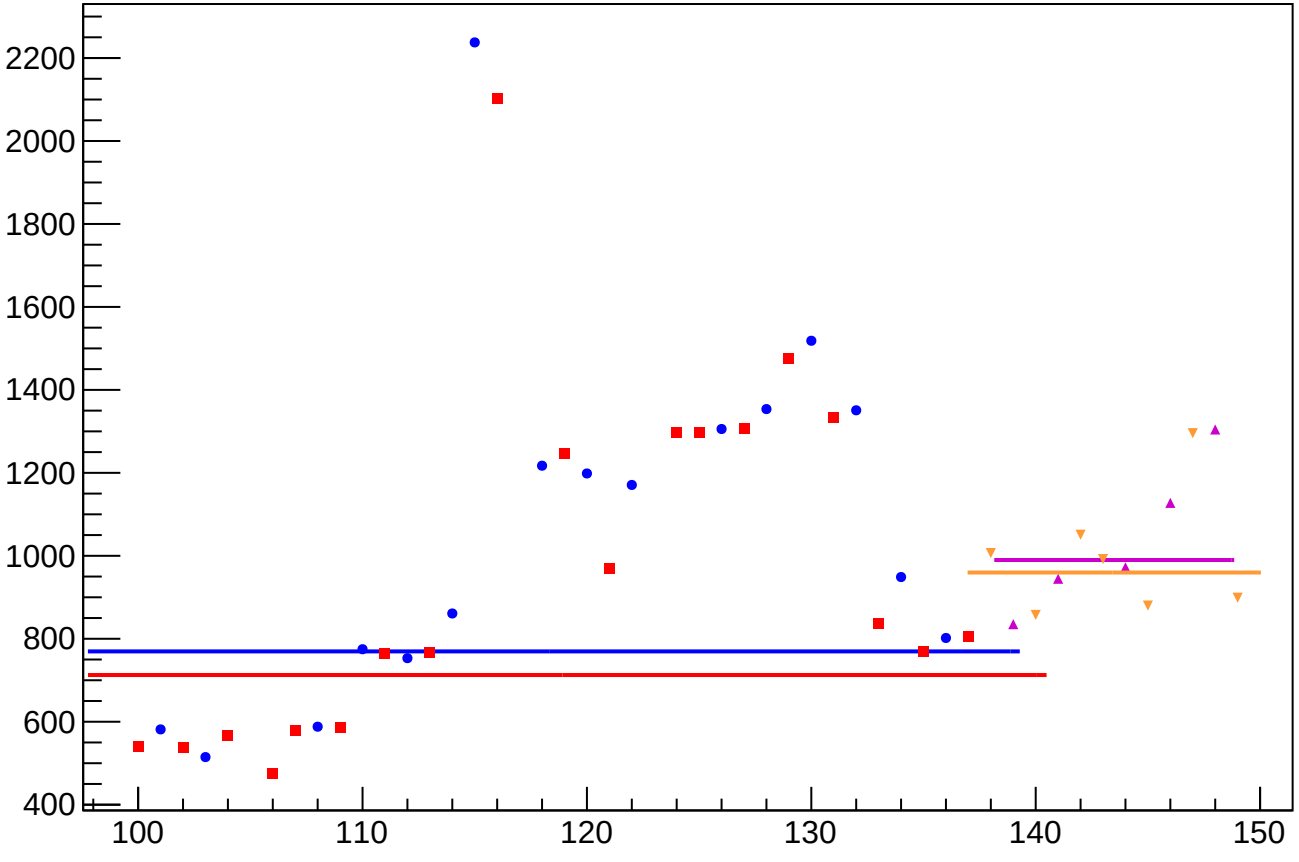
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 582.431+/-258.073 χ^2/NDF:13.9/20

Out: 205.220+/-232.366 χ^2/NDF:27.5/25

All: 374.108+/-172.683 χ^2/NDF: 42.5/46

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 959.701+/-0.296 χ^2/NDF:165898.0/6

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 989.857+/-0.341 χ^2/NDF:182615.6/4

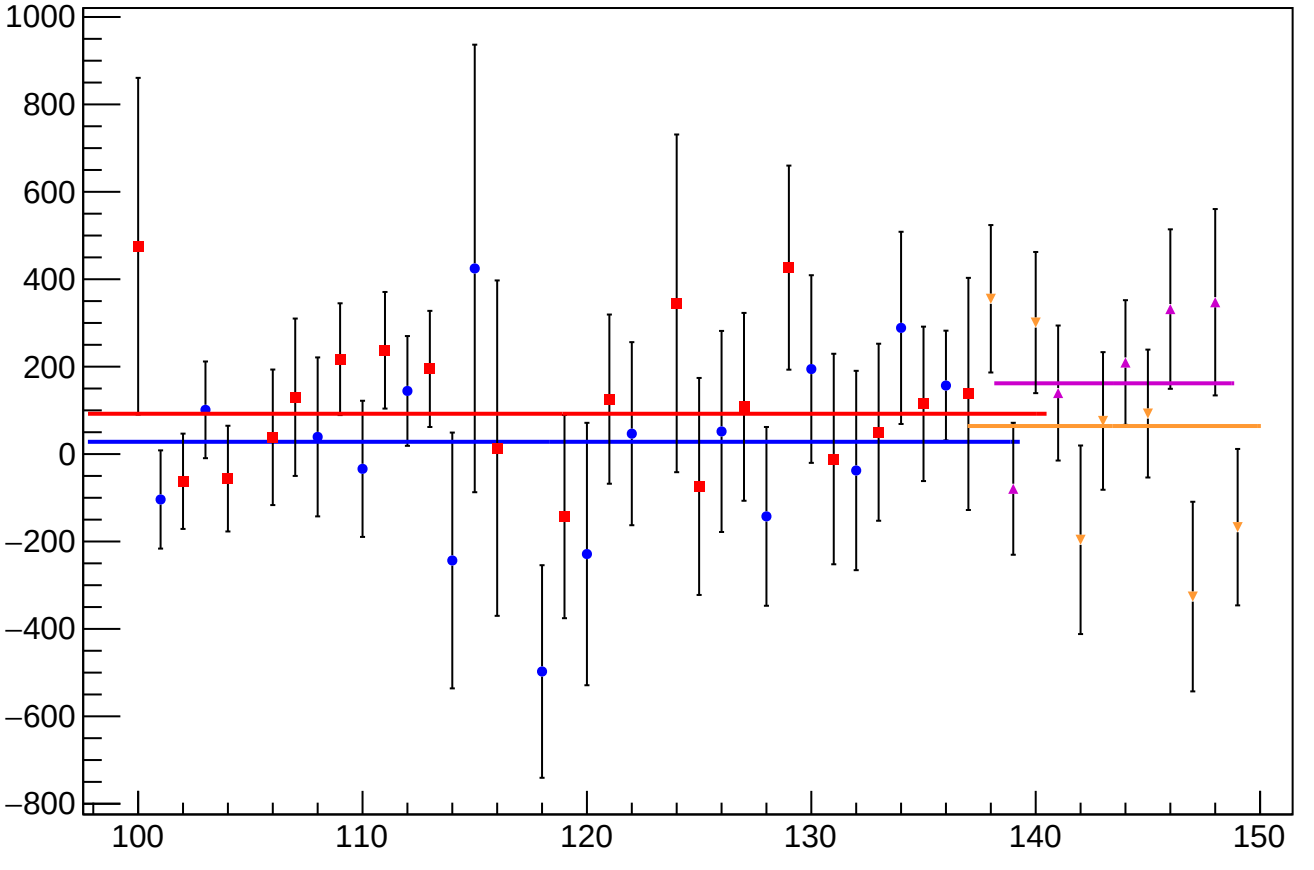
Left: 972.655+/-0.224 χ^2/NDF: 352962.4/11

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 832.471+/-0.182 χ^2/NDF:2219895.7/20

Out: 788.588+/-0.164 χ^2/NDF:2414573.0/25

All: 808.236+/-0.122 χ^2/NDF: 4666405.3/46



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 64.182+/-65.296 χ^2/NDF:11.5/6

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 161.905+/-73.128 χ^2/NDF:4.3/4

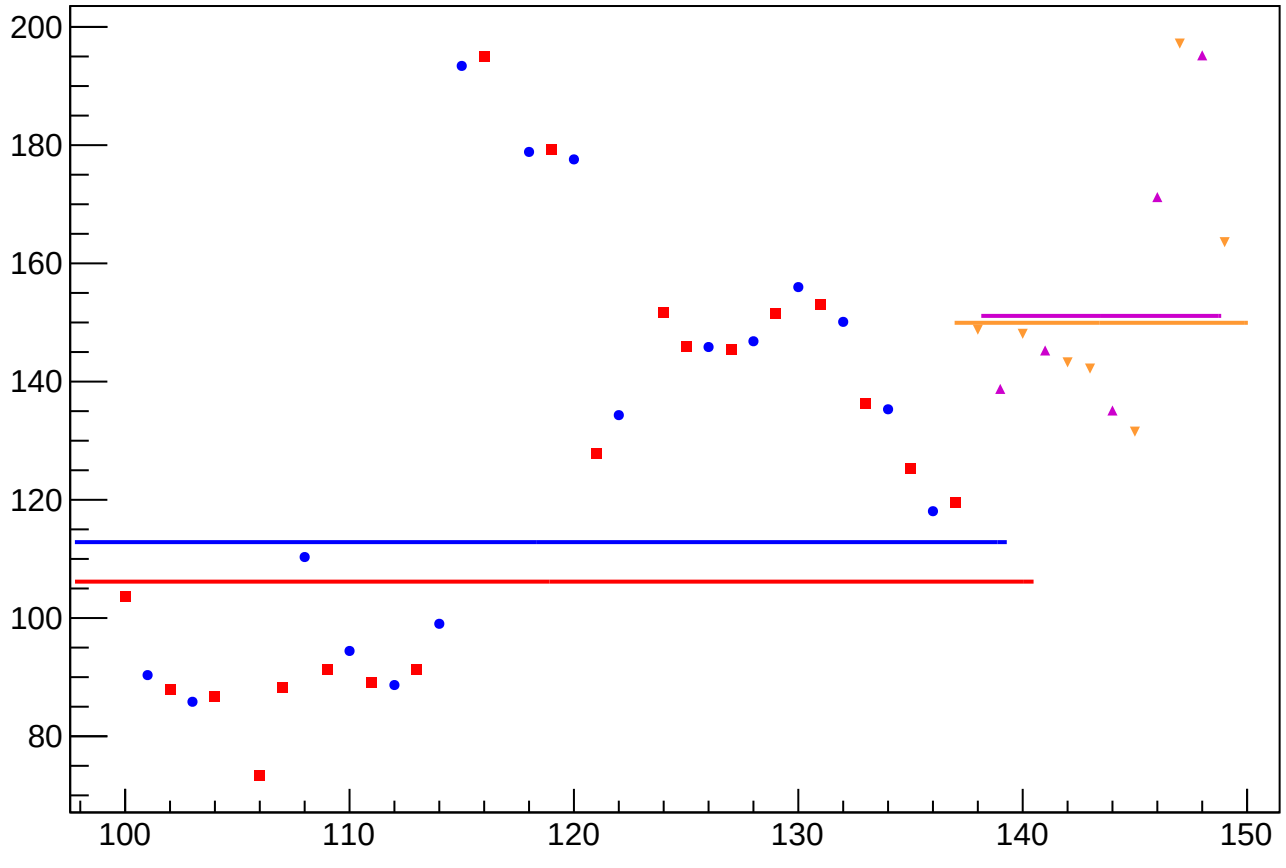
Left: 107.532+/-48.706 χ^2/NDF: 16.8/11

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 62.993+/-37.347 χ^2/NDF:20.3/20

Out: 84.439+/-34.441 χ^2/NDF:23.4/25

All: 74.583+/-25.318 χ^2/NDF: 43.9/46



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 149.948+/-0.046 χ^2/NDF:145268.4/6

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 151.116+/-0.052 χ^2/NDF:151195.0/4

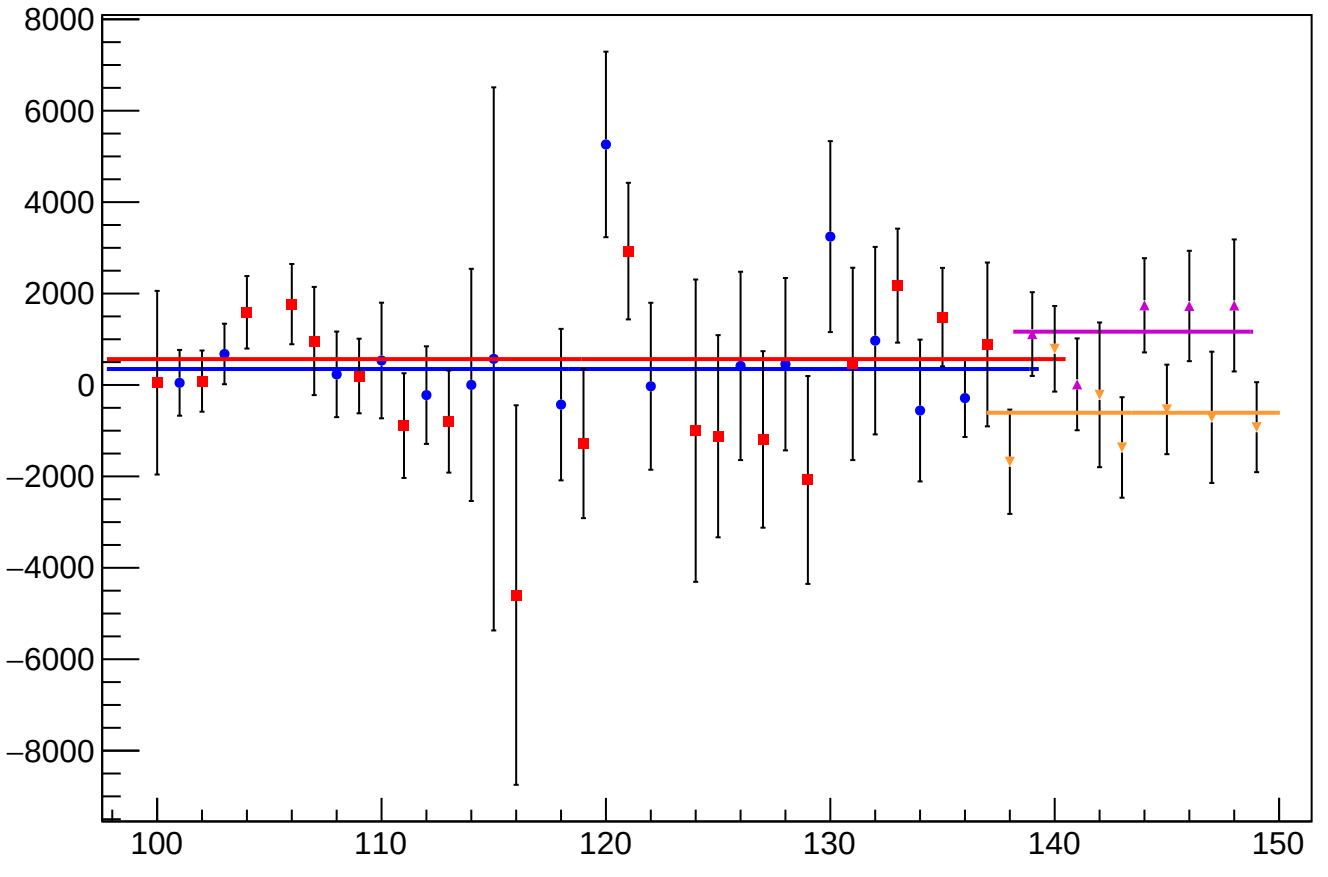
Left: 150.466+/-0.034 χ^2/NDF: 296747.3/11

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 122.825+/-0.026 χ^2/NDF:1428378.2/20

Out: 118.341+/-0.024 χ^2/NDF:1796649.7/25

All: 120.402+/-0.018 χ^2/NDF: 3240605.7/46



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -607.555+/-419.077 χ^2/NDF:3.8/6

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 1166.108+/-482.923 χ^2/NDF:2.0/4

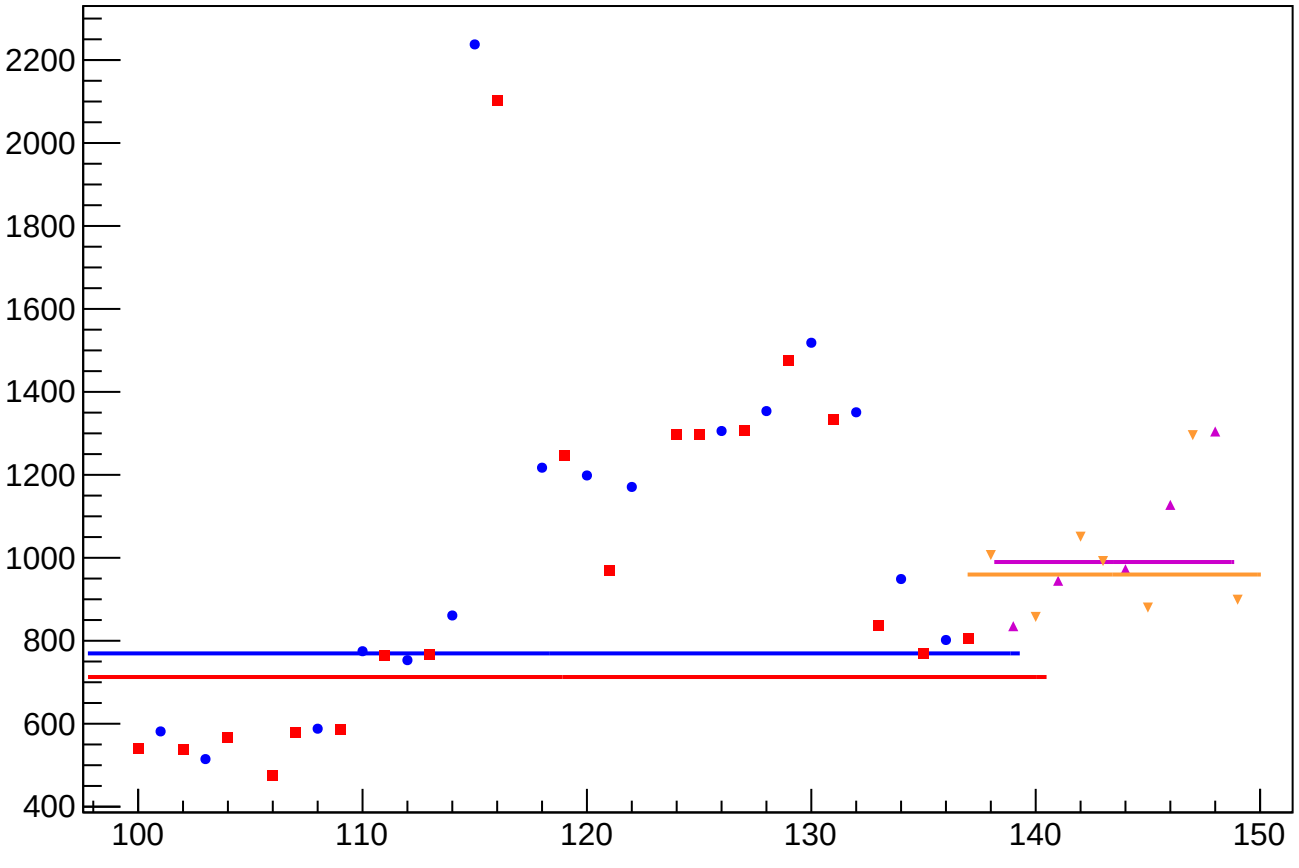
Left: 154.357+/-316.515 χ^2/NDF: 13.5/11

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 582.430+/-258.073 χ^2/NDF:13.9/20

Out: 205.222+/-232.366 χ^2/NDF:27.5/25

All: 374.108+/-172.683 χ^2/NDF: 42.5/46



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 959.702+/-0.296 χ^2/NDF:165897.8/6

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: 972.657+/-0.224 χ^2/NDF: 352962.4/11

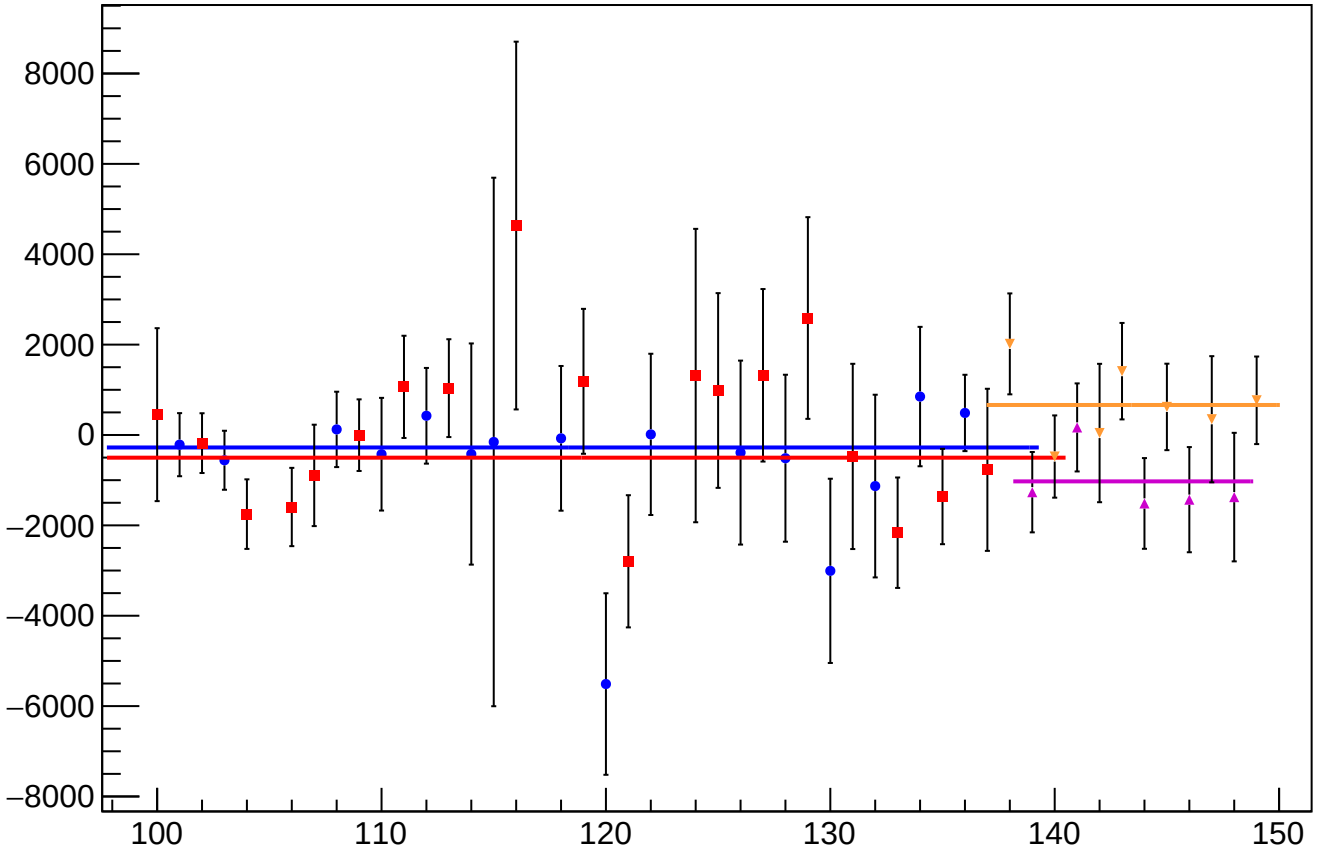
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 832.471+/-0.182 χ^2/NDF:2219900.9/20

Out: 788.588+/-0.164 χ^2/NDF:2414576.4/25

All: 808.235+/-0.122 χ^2/NDF: 4666413.9/46

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 664.159+/-408.811 χ^2/NDF:3.8/6

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: -65.518+/-308.221 χ^2/NDF: 13.1/11

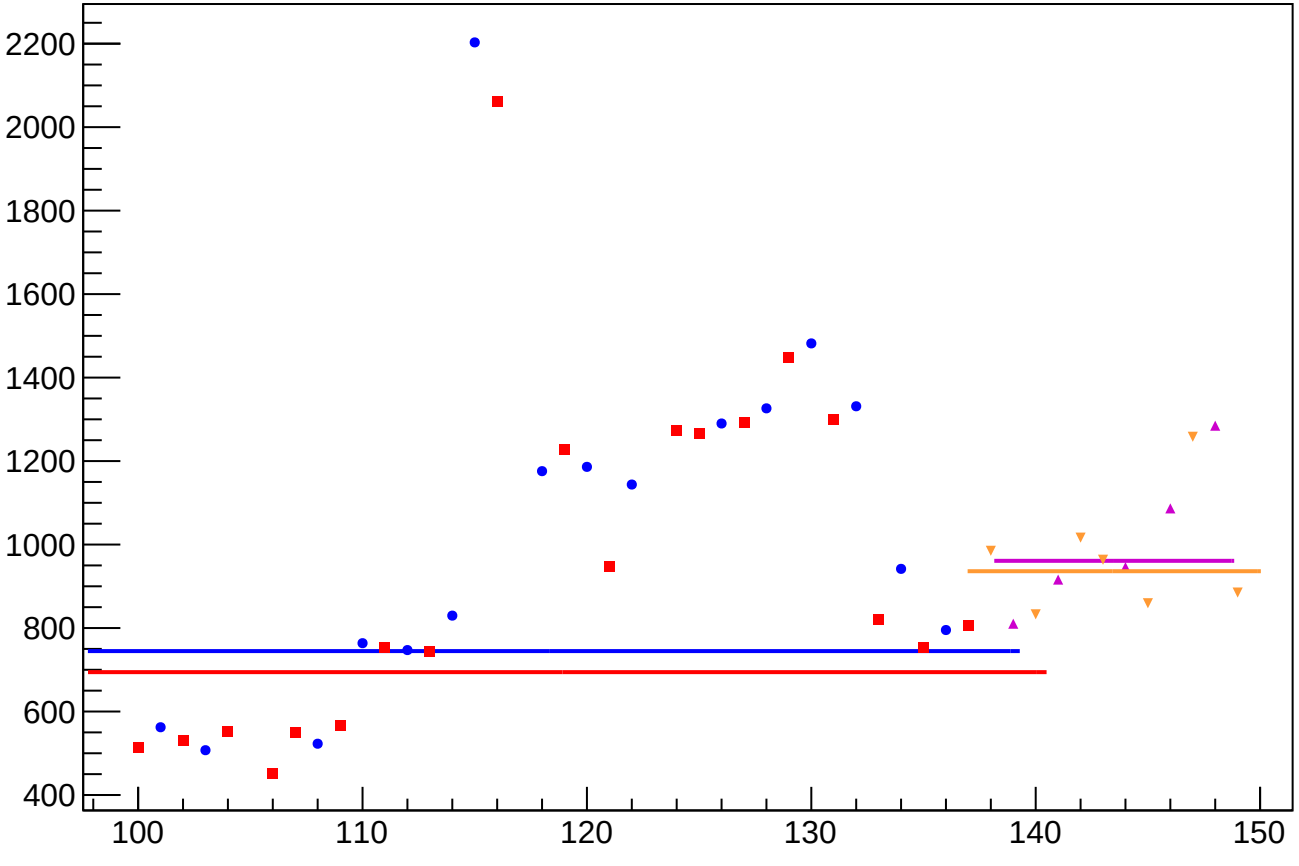
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -490.574+/-250.771 χ^2/NDF:14.9/20

Out: -142.351+/-227.027 χ^2/NDF:29.9/25

All: -299.200+/-168.302 χ^2/NDF: 45.8/46

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 936.134+/-0.289 χ^2/NDF:161384.8/6

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 961.033+/-0.332 χ^2/NDF:189025.2/4

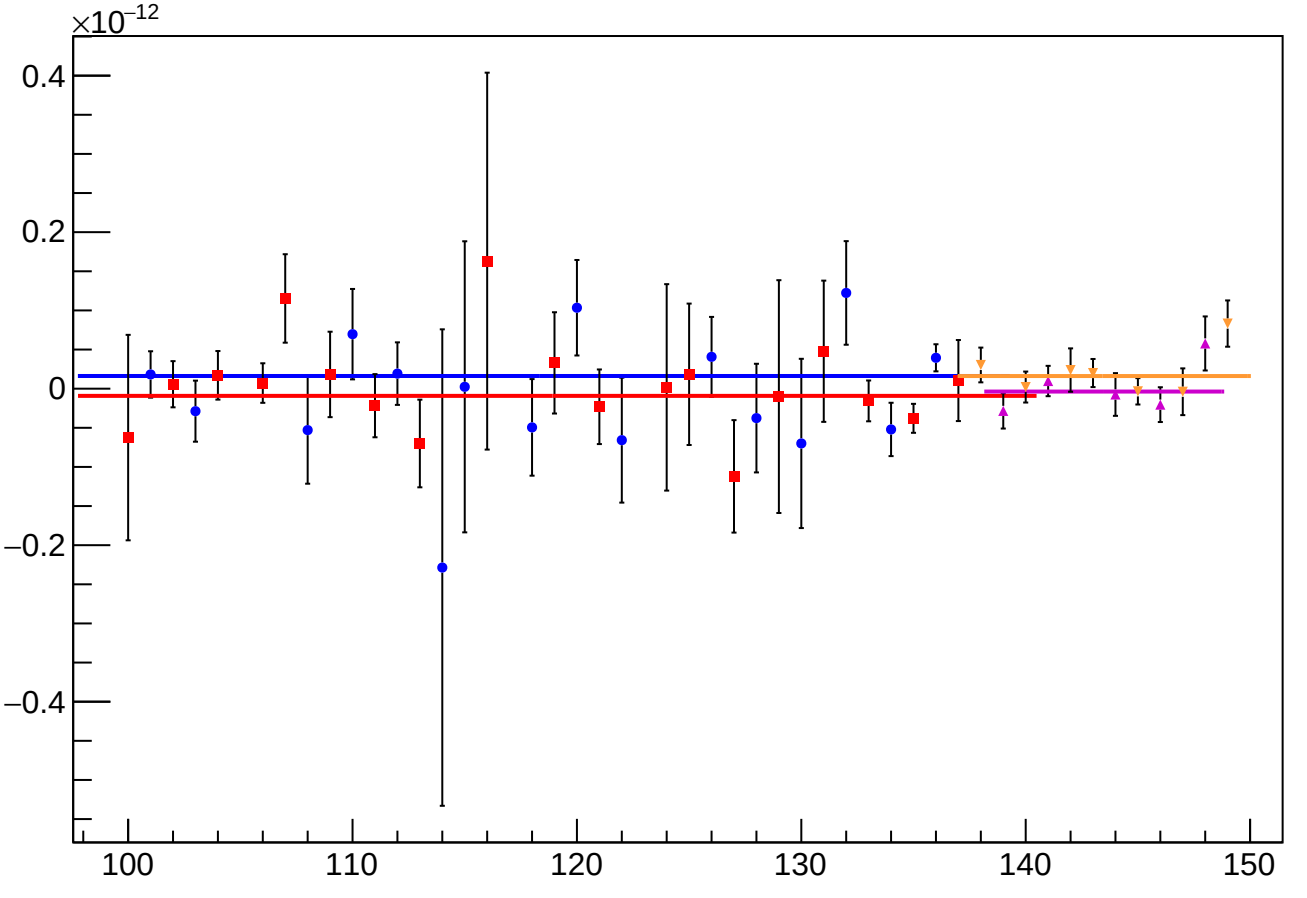
Left: 946.879+/-0.218 χ^2/NDF: 353611.6/11

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 806.560+/-0.177 χ^2/NDF:2315077.8/20

Out: 768.914+/-0.161 χ^2/NDF:2448970.6/25

All: 785.871+/-0.119 χ^2/NDF: 4788819.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/4

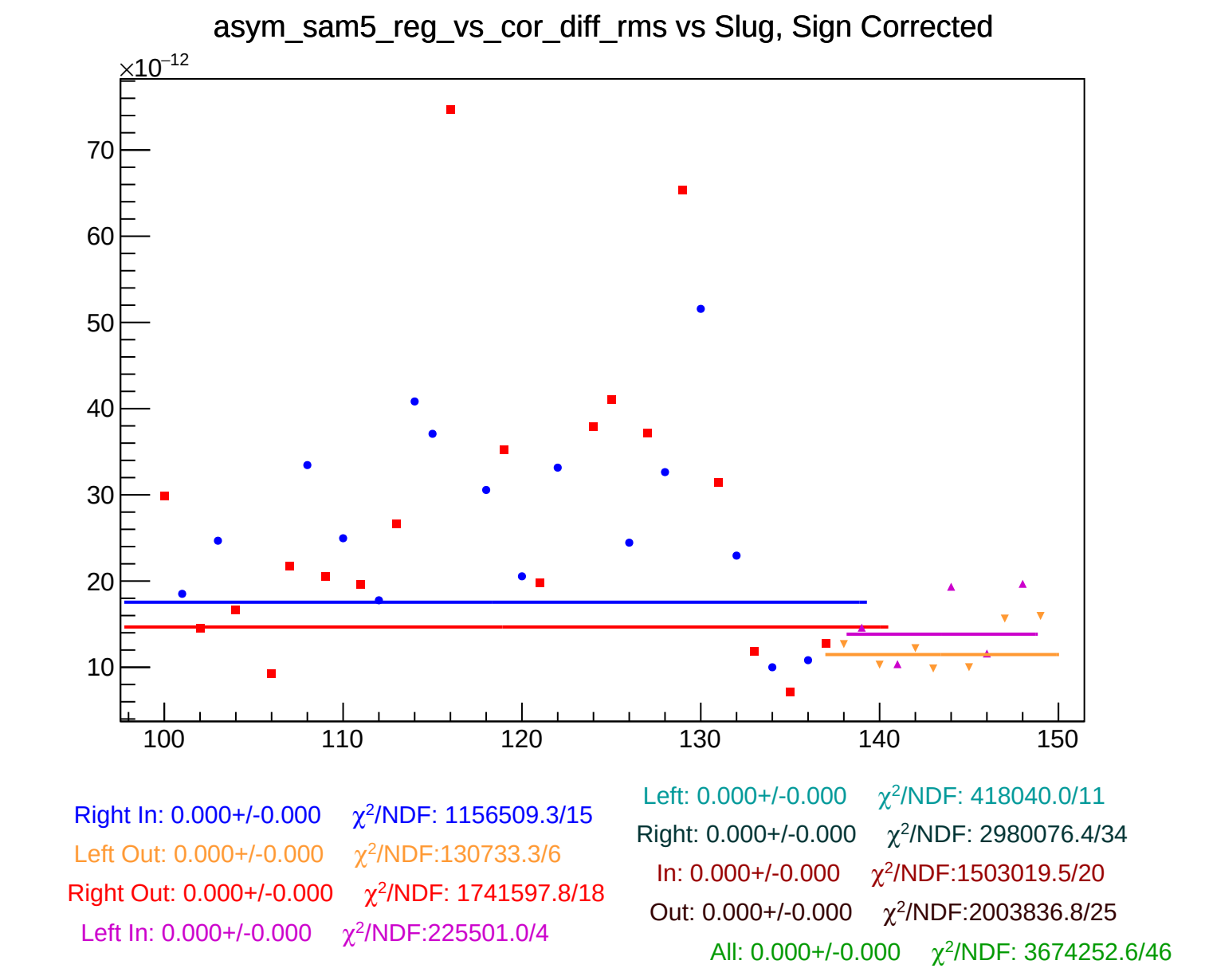
Left: 0.000+/-0.000 χ^2/NDF: 15.6/11

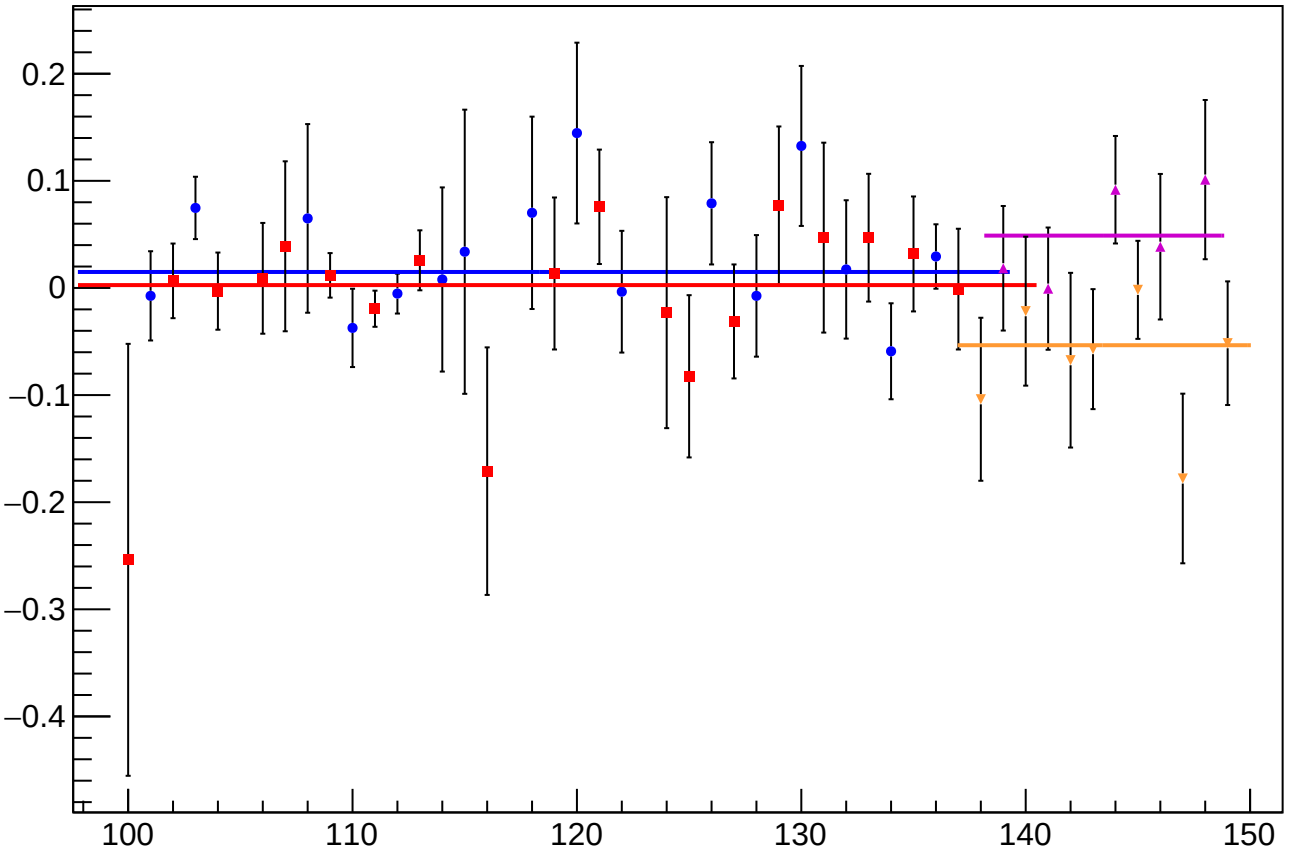
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:25.1/20

Out: 0.000+/-0.000 χ^2/NDF:26.2/25

All: 0.000+/-0.000 χ^2/NDF: 51.3/46


asym_sam5_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: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:130733.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:225501.0/4
Left: 0.000+/-0.000 χ²/NDF: 418040.0/11
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1503019.5/20
Out: 0.000+/-0.000 χ²/NDF:2003836.8/25
All: 0.000+/-0.000 χ²/NDF: 3674252.6/46



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

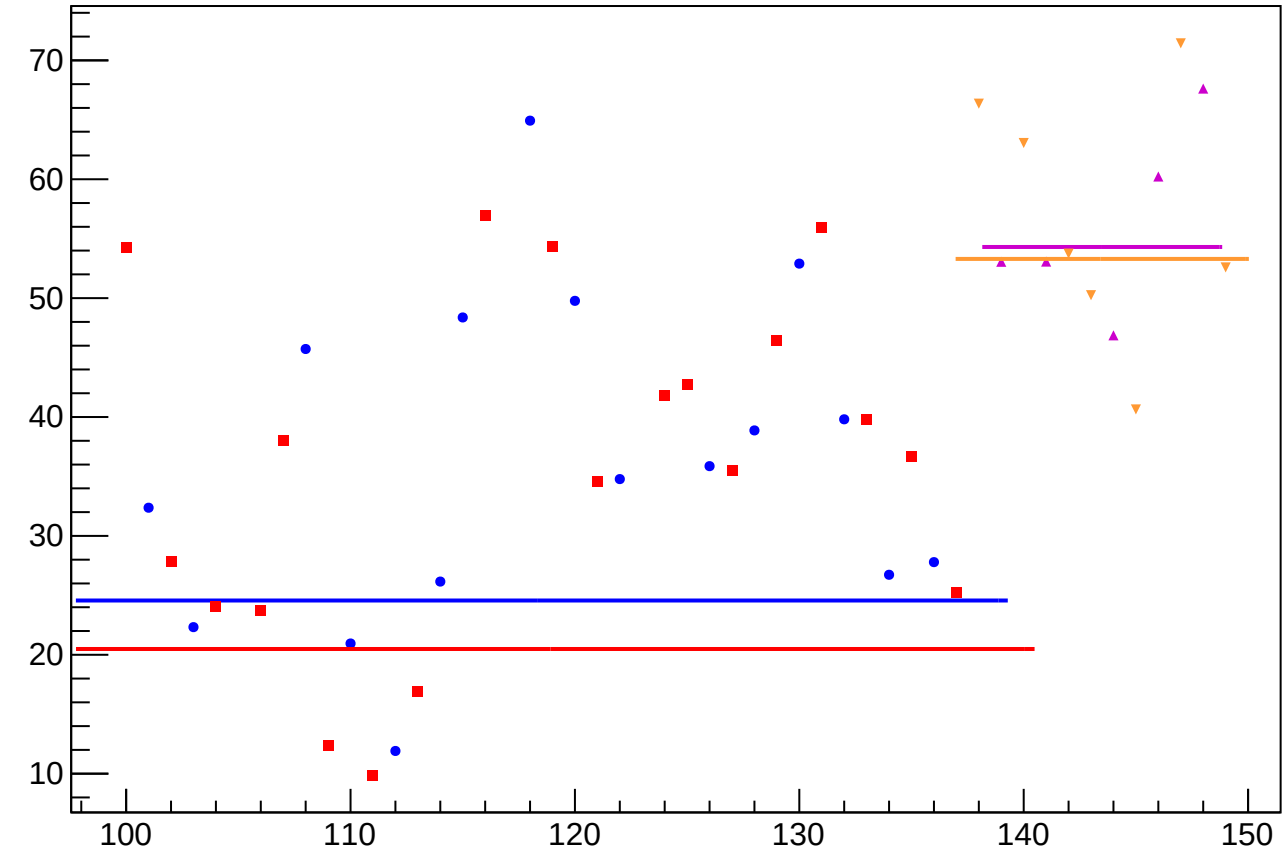
Left: -0.009+/-0.018 χ^2/NDF: 14.9/11

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.005+/-0.009 χ^2/NDF:21.8/25

All: 0.006+/-0.006 χ^2/NDF: 46.7/46



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.299+/-0.017 χ^2/NDF:362508.0/6

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

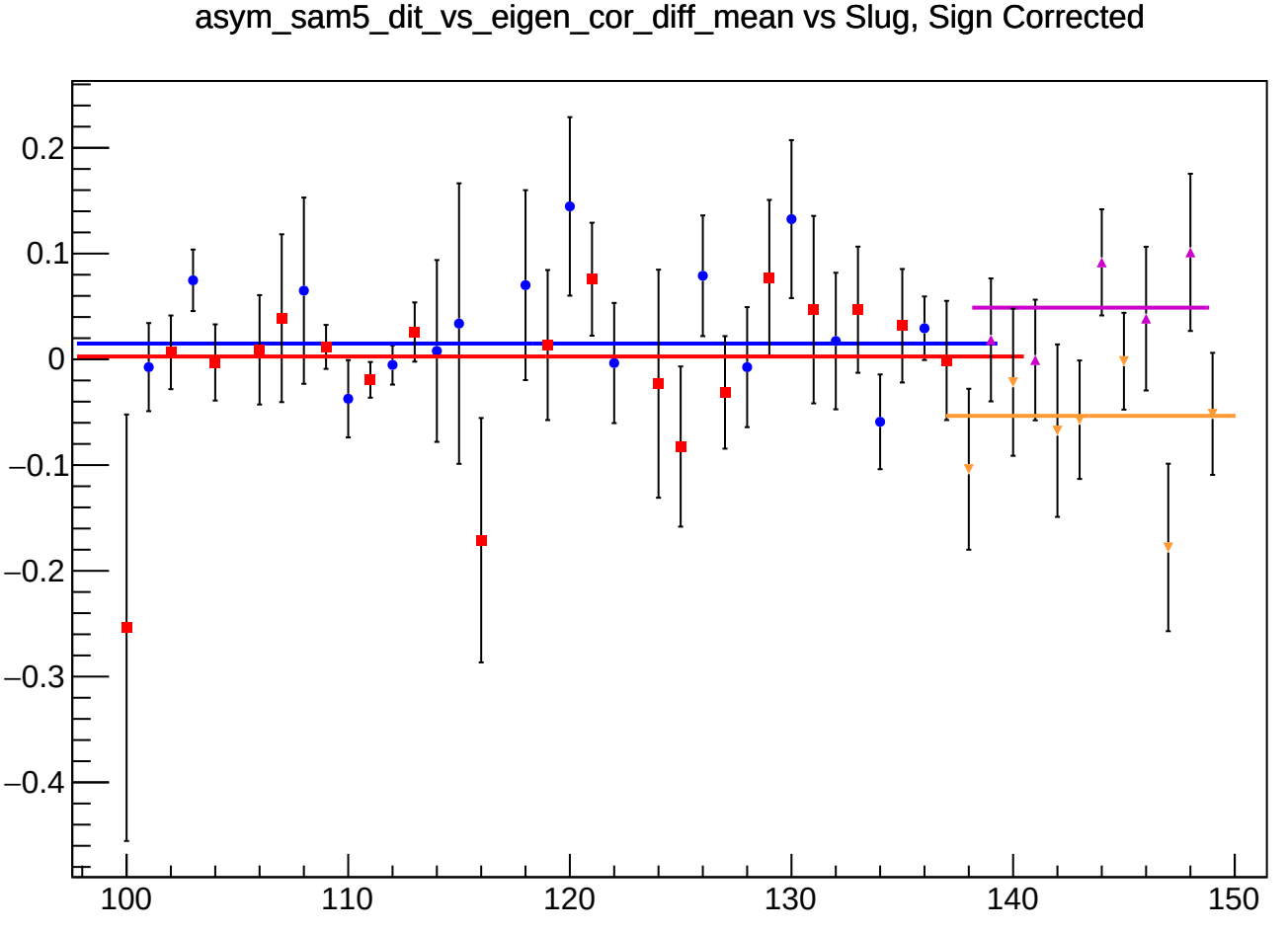
Left: 53.740+/-0.013 χ^2/NDF: 489281.1/11

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 28.594+/-0.007 χ^2/NDF:4746887.2/20

Out: 24.817+/-0.006 χ^2/NDF:7284314.3/25

All: 26.451+/-0.005 χ^2/NDF: 12198204.4/46



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

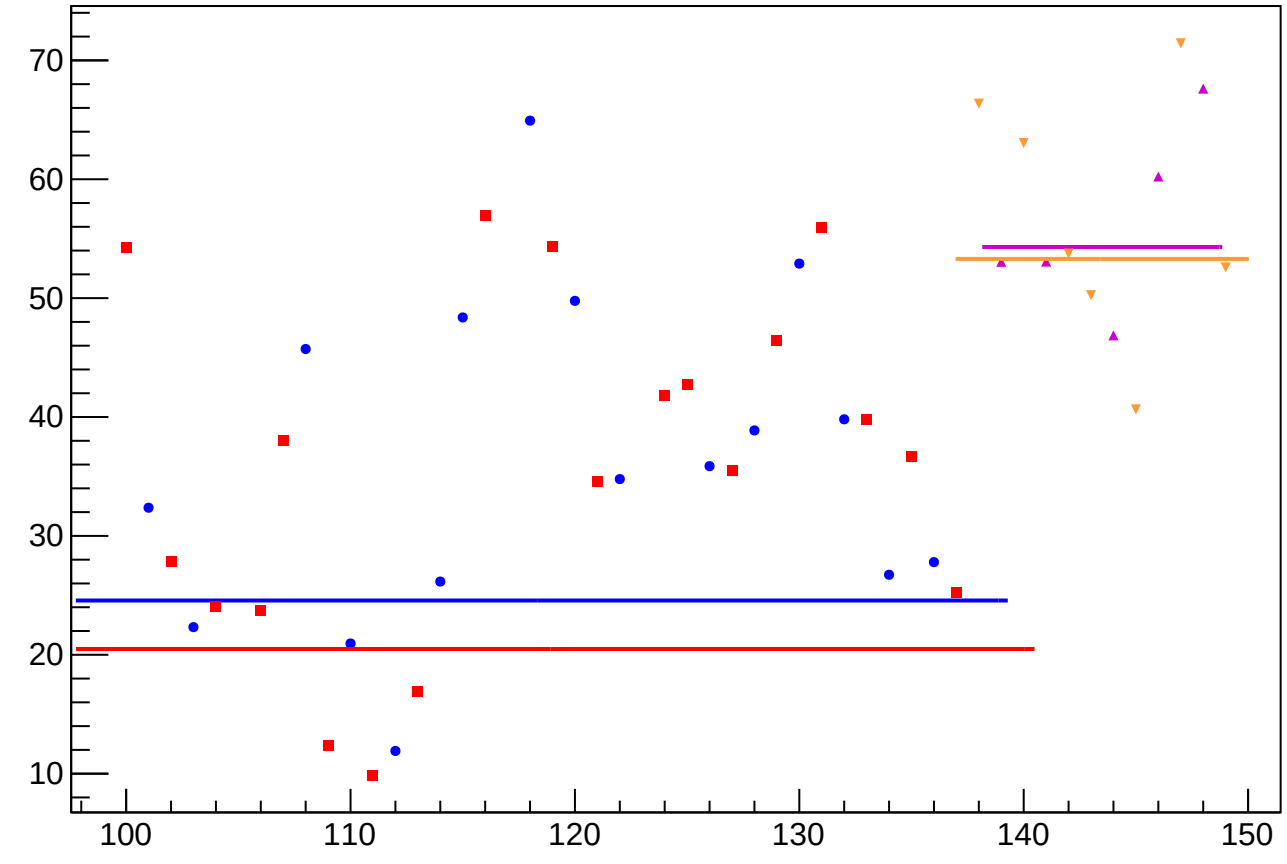
Left: -0.009+/-0.018 χ^2/NDF: 14.9/11

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.005+/-0.009 χ^2/NDF:21.8/25

All: 0.006+/-0.006 χ^2/NDF: 46.7/46



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.299+/-0.017 χ^2/NDF:362508.0/6

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 54.304+/-0.019 χ^2/NDF:125190.9/4

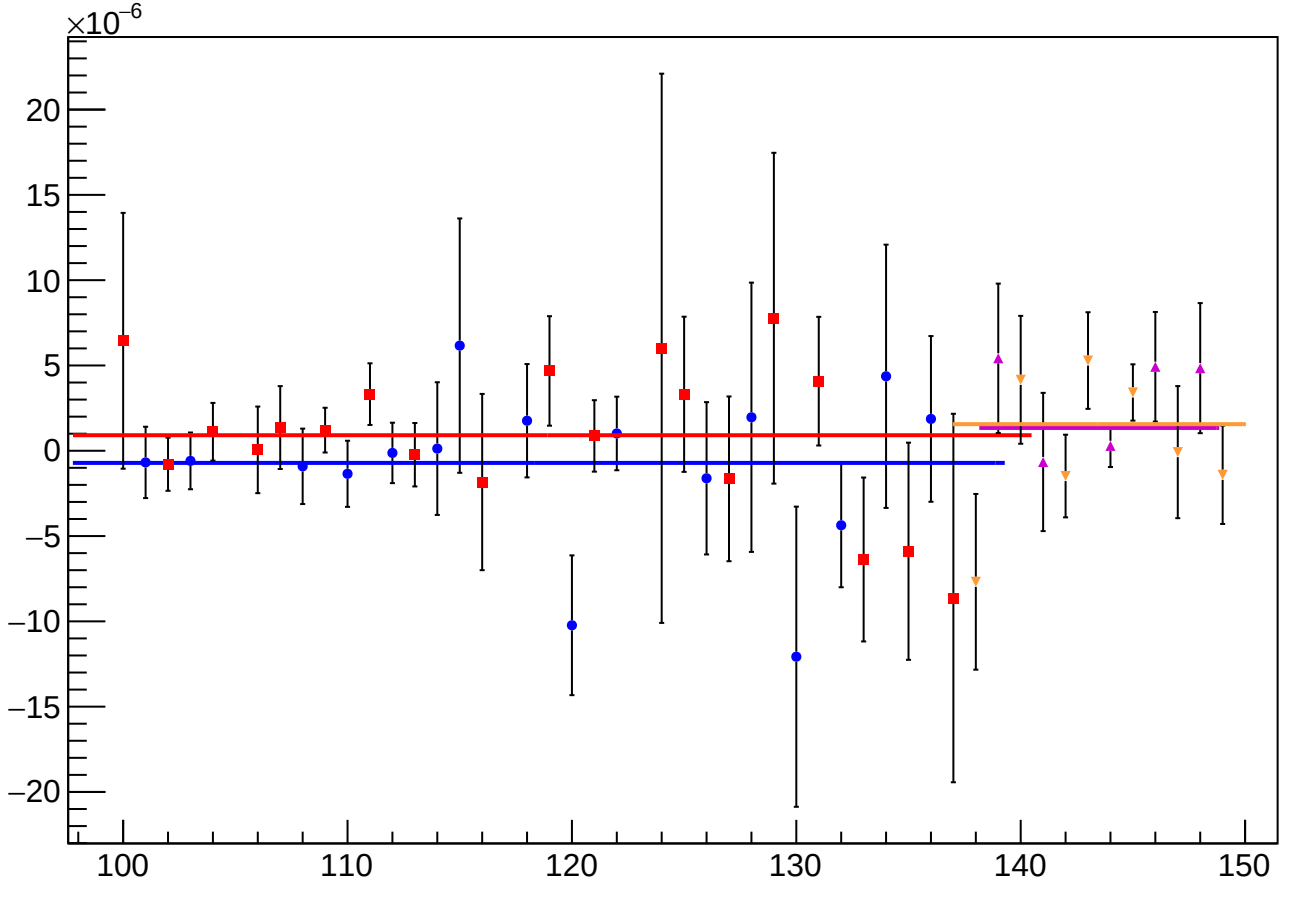
Left: 53.740+/-0.013 χ^2/NDF: 489281.1/11

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 28.594+/-0.007 χ^2/NDF:4746887.2/20

Out: 24.817+/-0.006 χ^2/NDF:7284314.3/25

All: 26.451+/-0.005 χ^2/NDF: 12198204.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

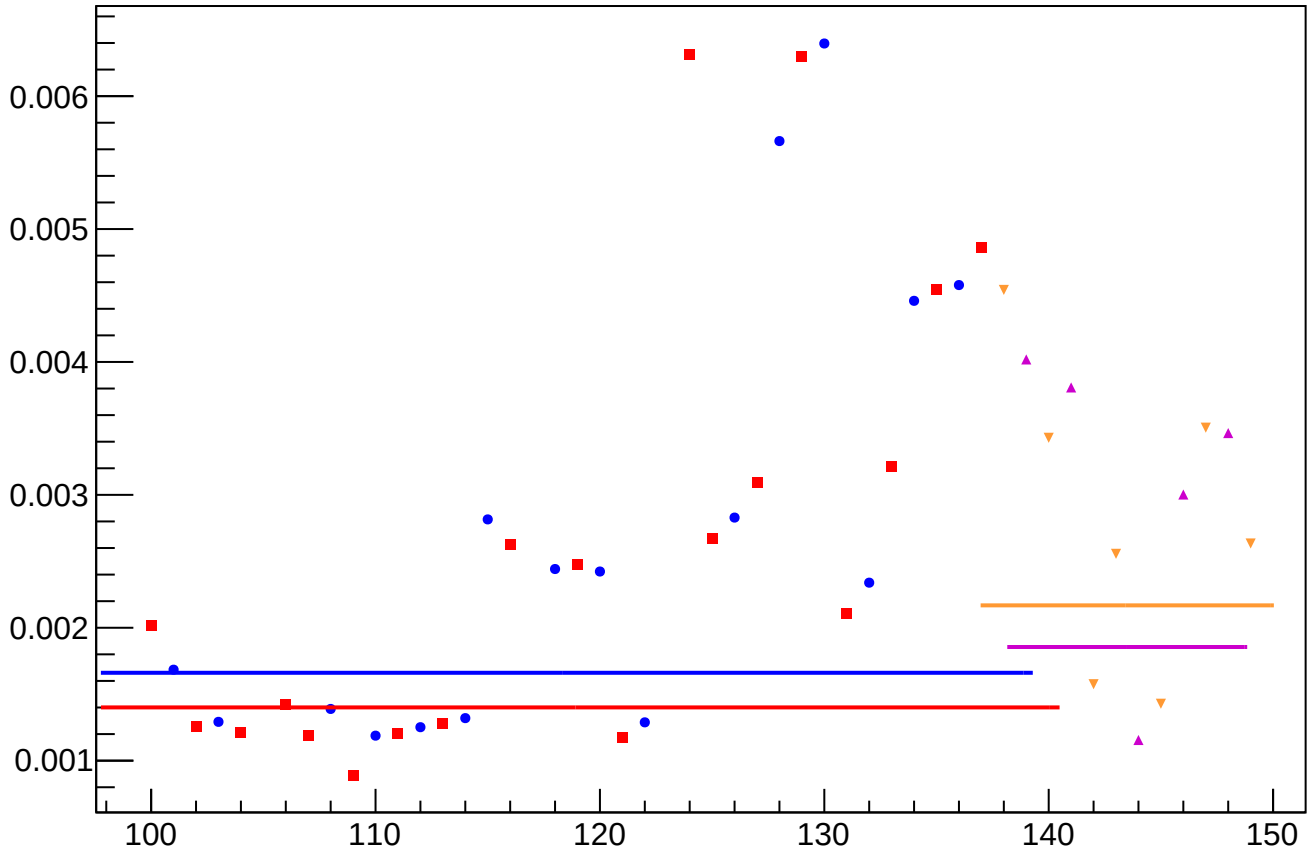
Left: 0.000+/-0.000 χ^2/NDF: 13.5/11

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:21.7/25

All: 0.000+/-0.000 χ^2/NDF: 41.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1501602.0/6

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2199966.8/4

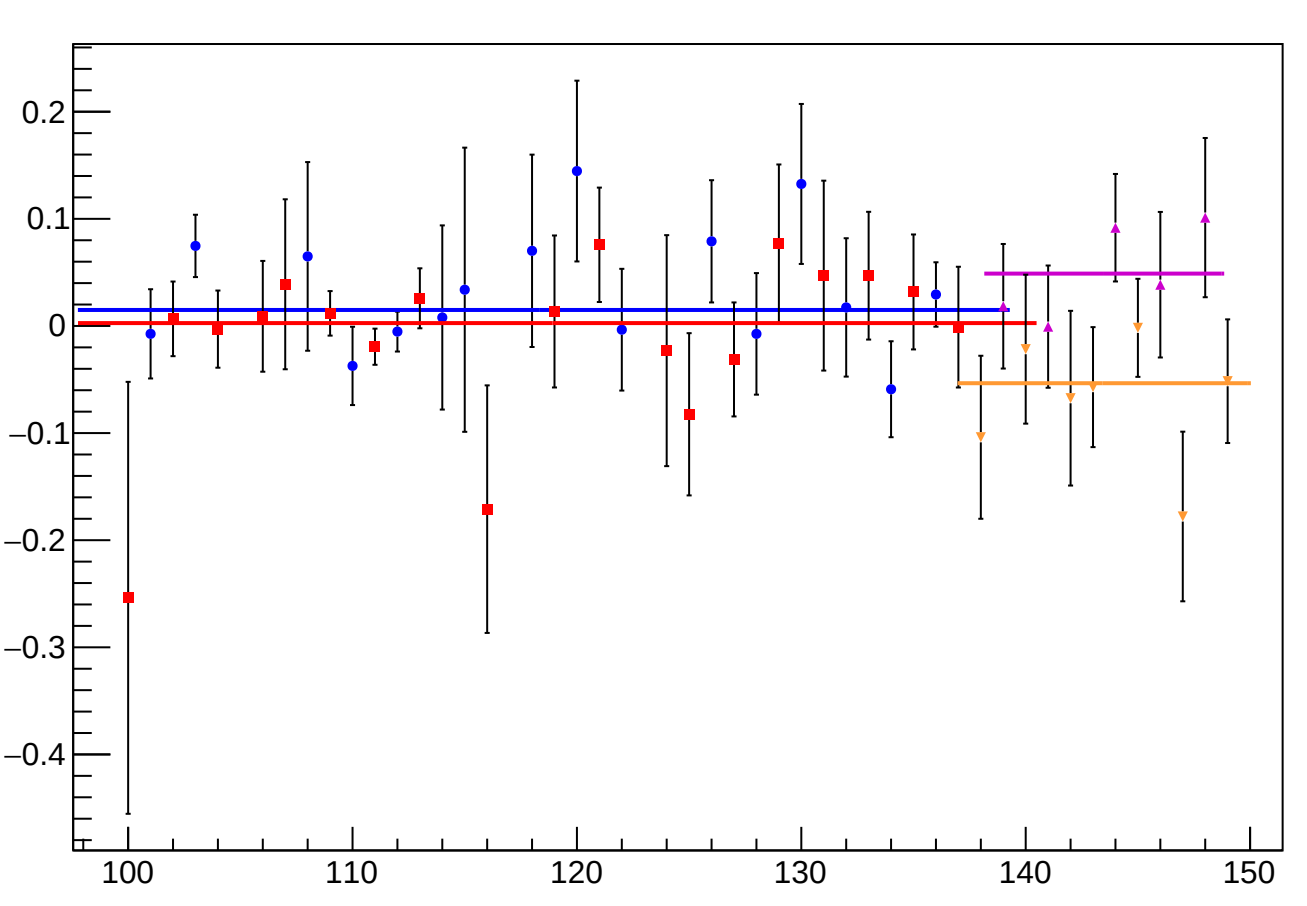
Left: 0.002+/-0.000 χ^2/NDF: 3794086.0/11

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:5266273.8/25

All: 0.002+/-0.000 χ^2/NDF: 10513263.3/46



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

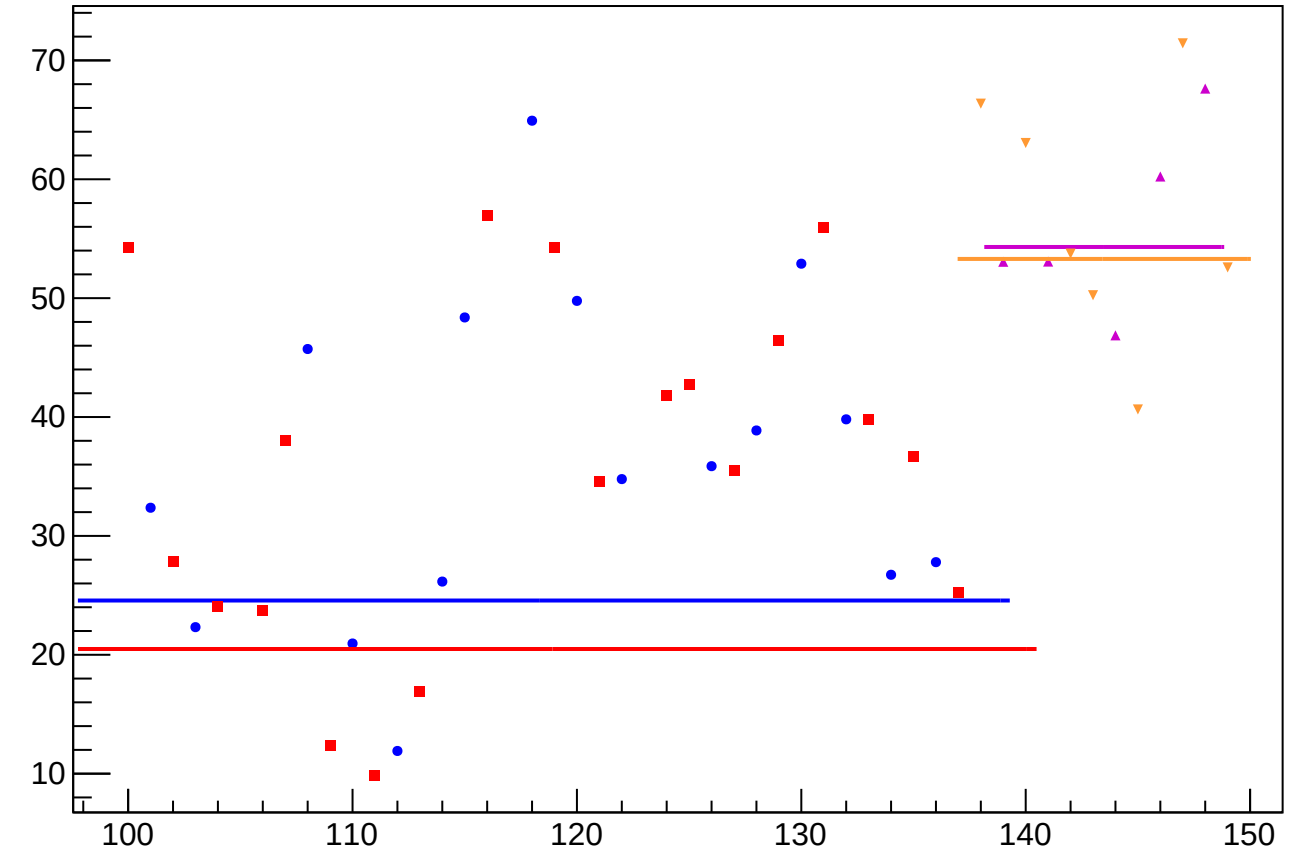
Left: -0.009+/-0.018 χ^2/NDF: 14.9/11

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.005+/-0.009 χ^2/NDF:21.8/25

All: 0.006+/-0.006 χ^2/NDF: 46.6/46



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.299+/-0.017 χ^2/NDF:362562.3/6

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

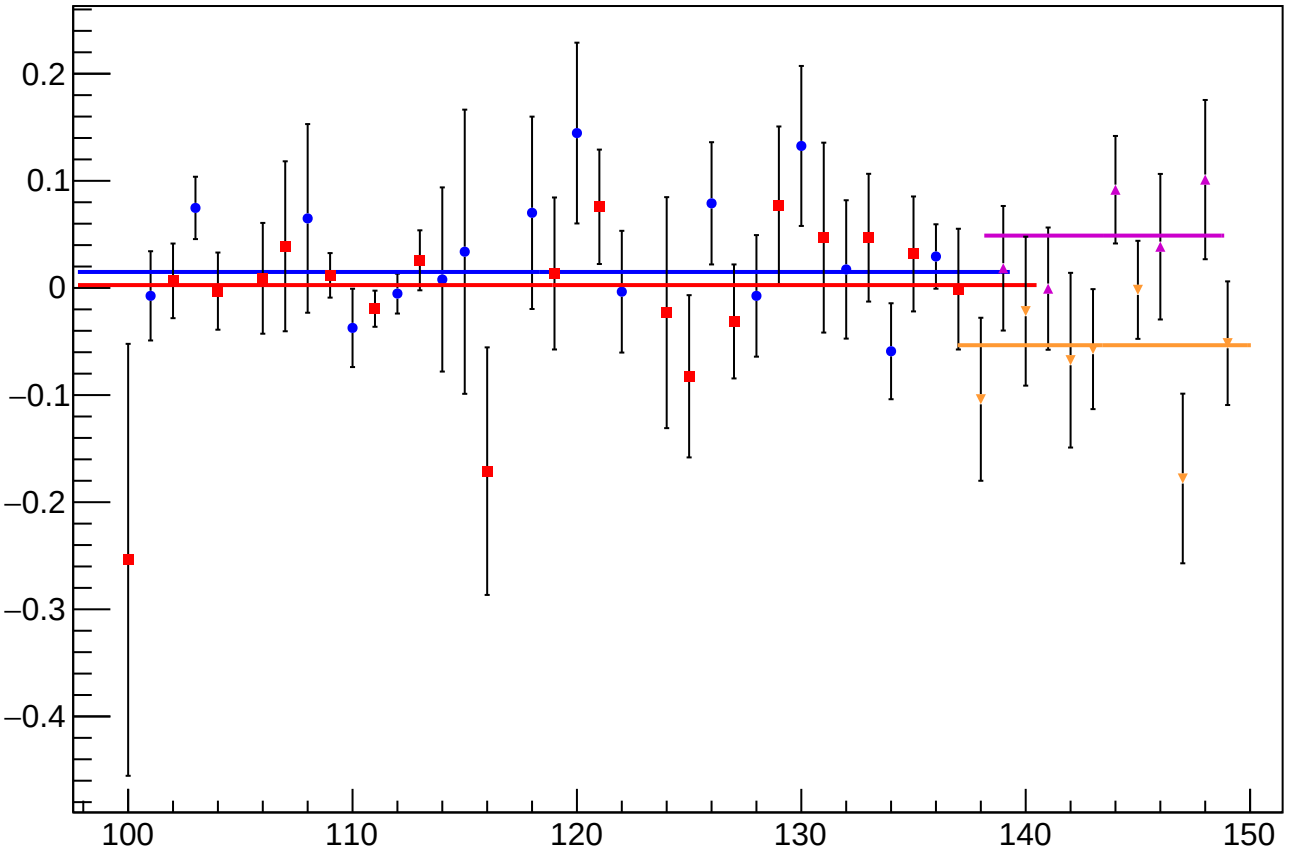
Left: 53.741+/-0.013 χ^2/NDF: 489352.3/11

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 28.593+/-0.007 χ^2/NDF:4747001.8/20

Out: 24.817+/-0.006 χ^2/NDF:7284478.1/25

All: 26.450+/-0.005 χ^2/NDF: 12198494.9/46



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.053+/-0.024 χ^2/NDF:4.4/6

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.027 χ^2/NDF:2.3/4

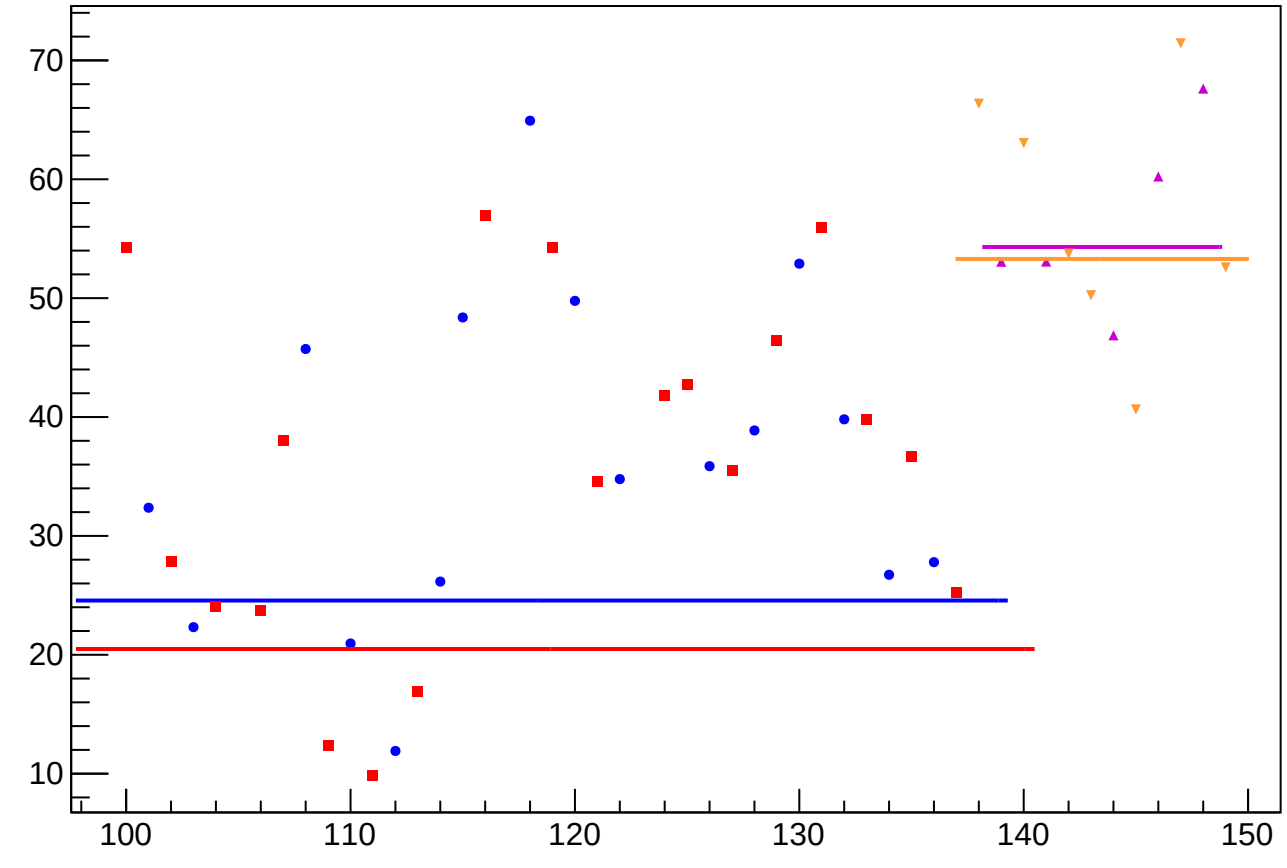
Left: -0.009+/-0.018 χ^2/NDF: 14.9/11

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.020+/-0.010 χ^2/NDF:21.4/20

Out: -0.005+/-0.009 χ^2/NDF:21.8/25

All: 0.006+/-0.006 χ^2/NDF: 46.6/46



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.299+/-0.017 χ^2/NDF:362562.3/6

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 54.305+/-0.019 χ^2/NDF:125204.7/4

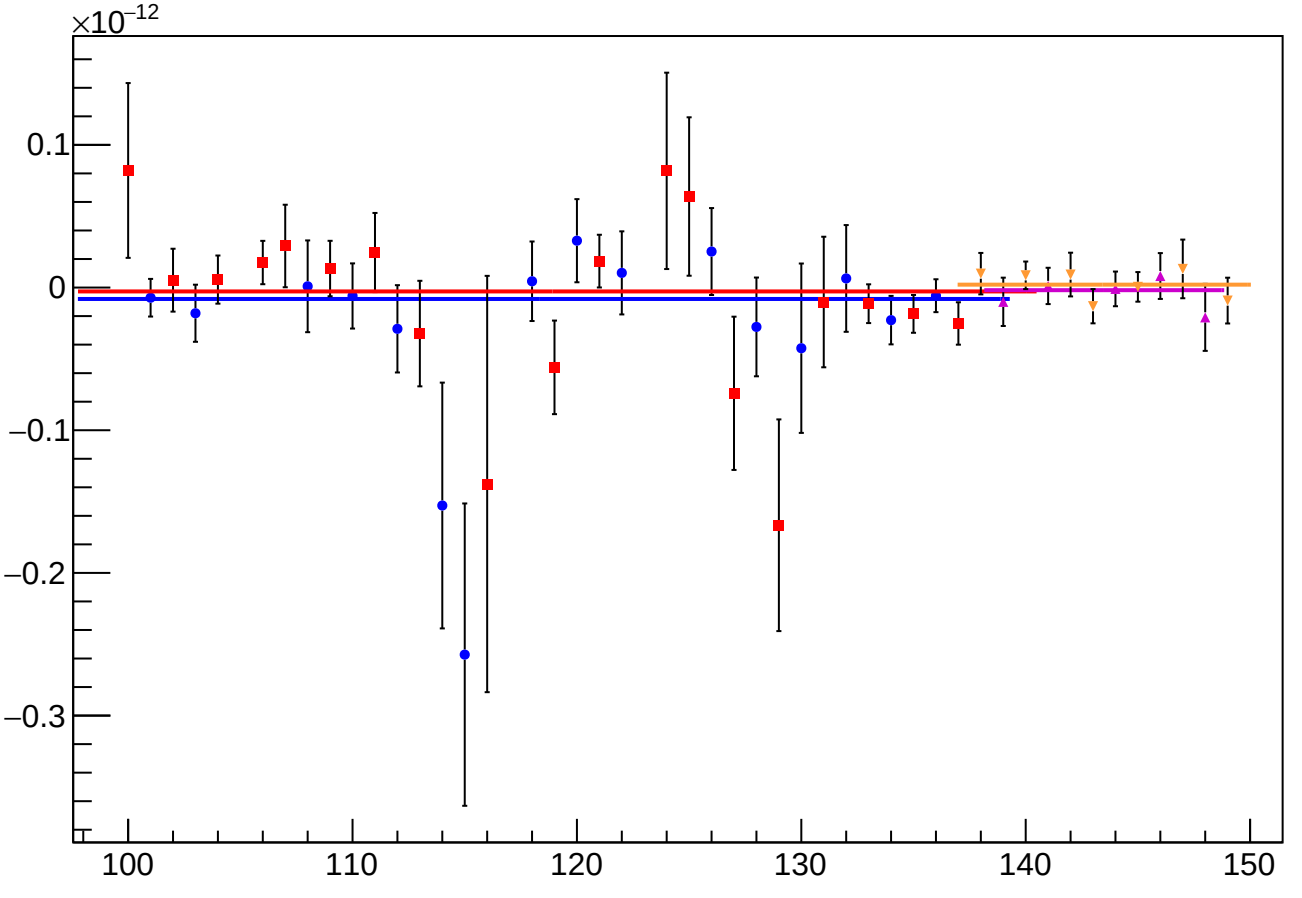
Left: 53.741+/-0.013 χ^2/NDF: 489352.3/11

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 28.593+/-0.007 χ^2/NDF:4747001.8/20

Out: 24.817+/-0.006 χ^2/NDF:7284478.1/25

All: 26.450+/-0.005 χ^2/NDF: 12198494.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/4

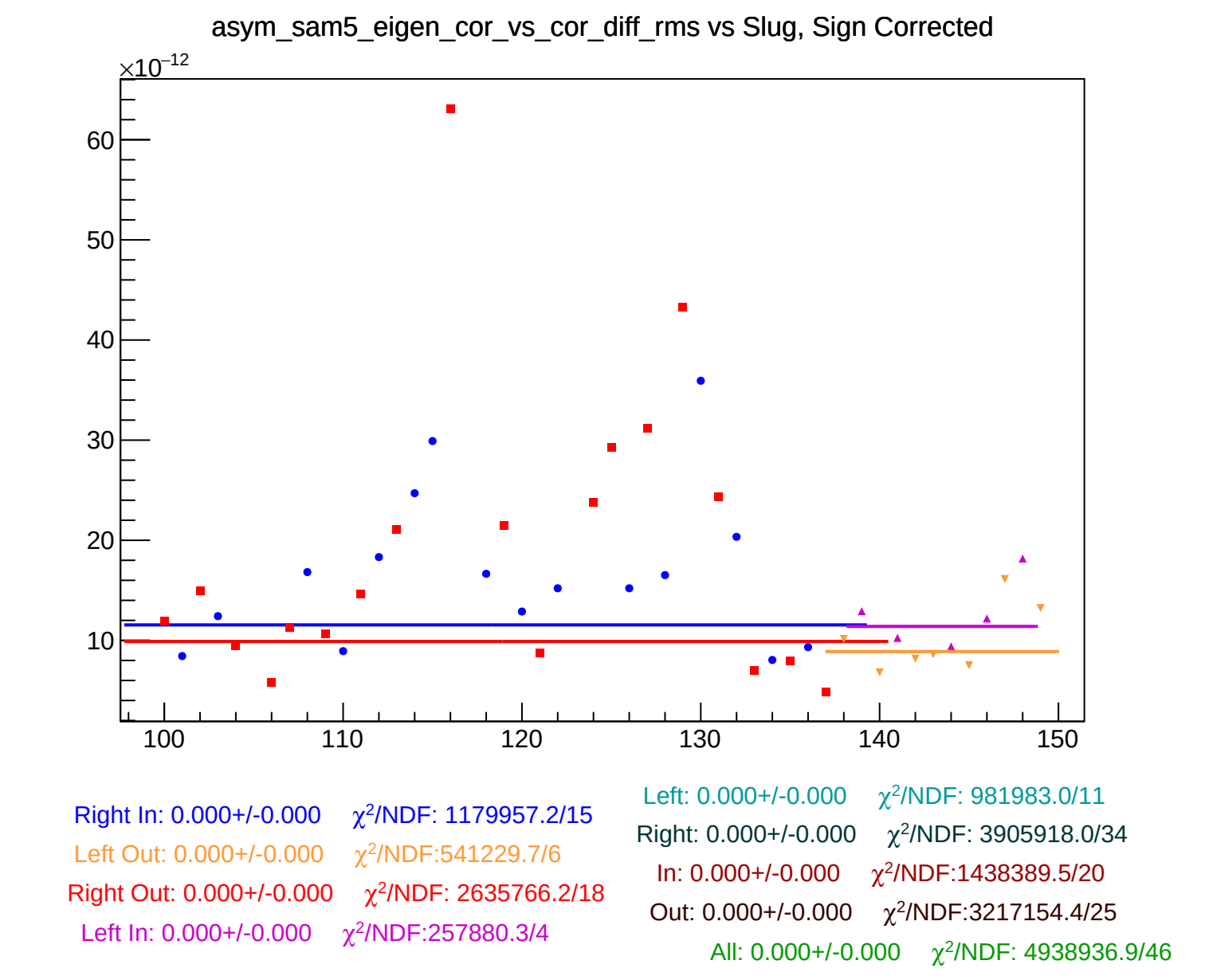
Left: 0.000+/-0.000 χ^2/NDF: 4.9/11

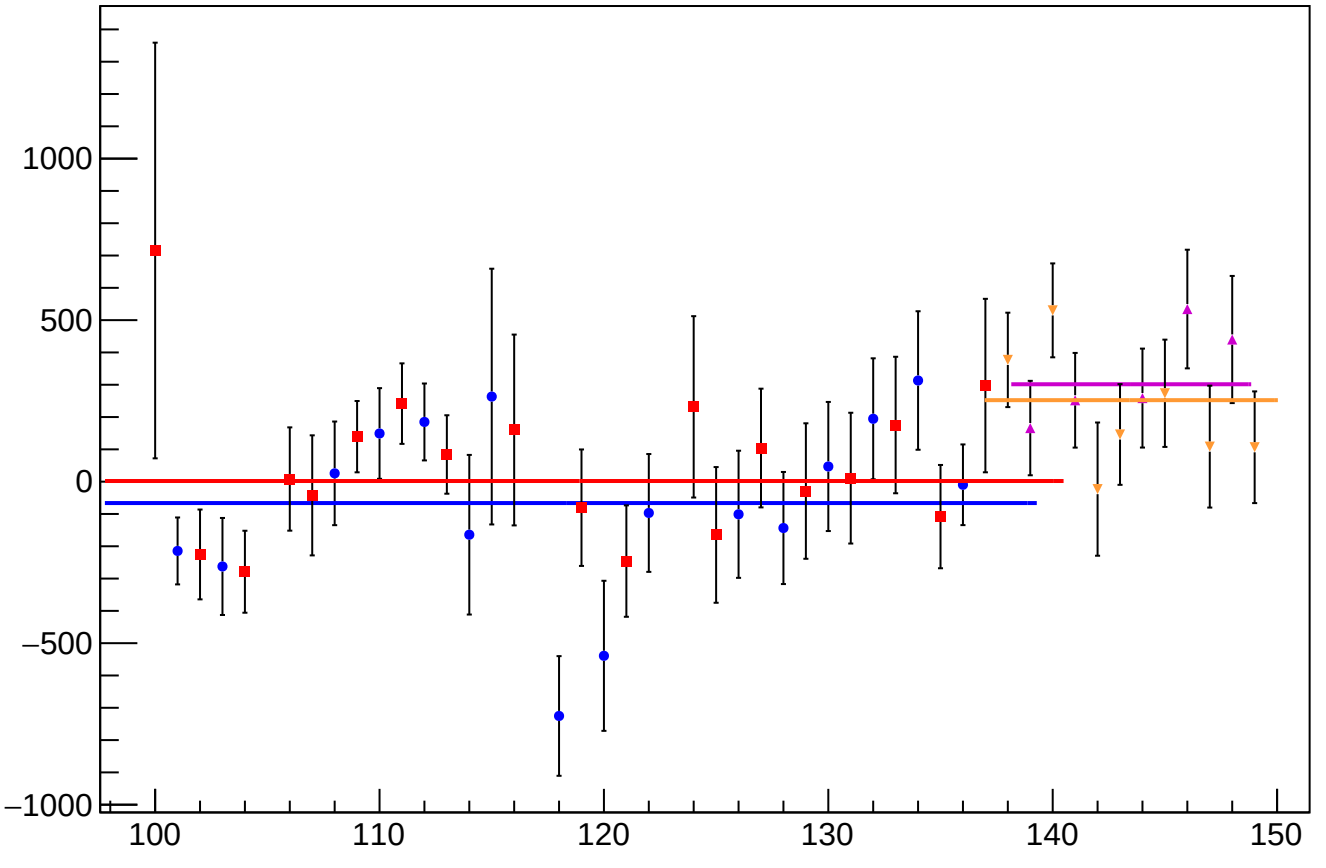
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:16.3/20

Out: -0.000+/-0.000 χ^2/NDF:29.9/25

All: -0.000+/-0.000 χ^2/NDF: 47.1/46


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:541229.7/6
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: 981983.0/11
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:3217154.4/25
All: 0.000+/-0.000 χ²/NDF: 4938936.9/46



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 252.292+/-62.423 χ^2/NDF:7.9/6

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: 273.329+/-47.240 χ^2/NDF: 11.4/11

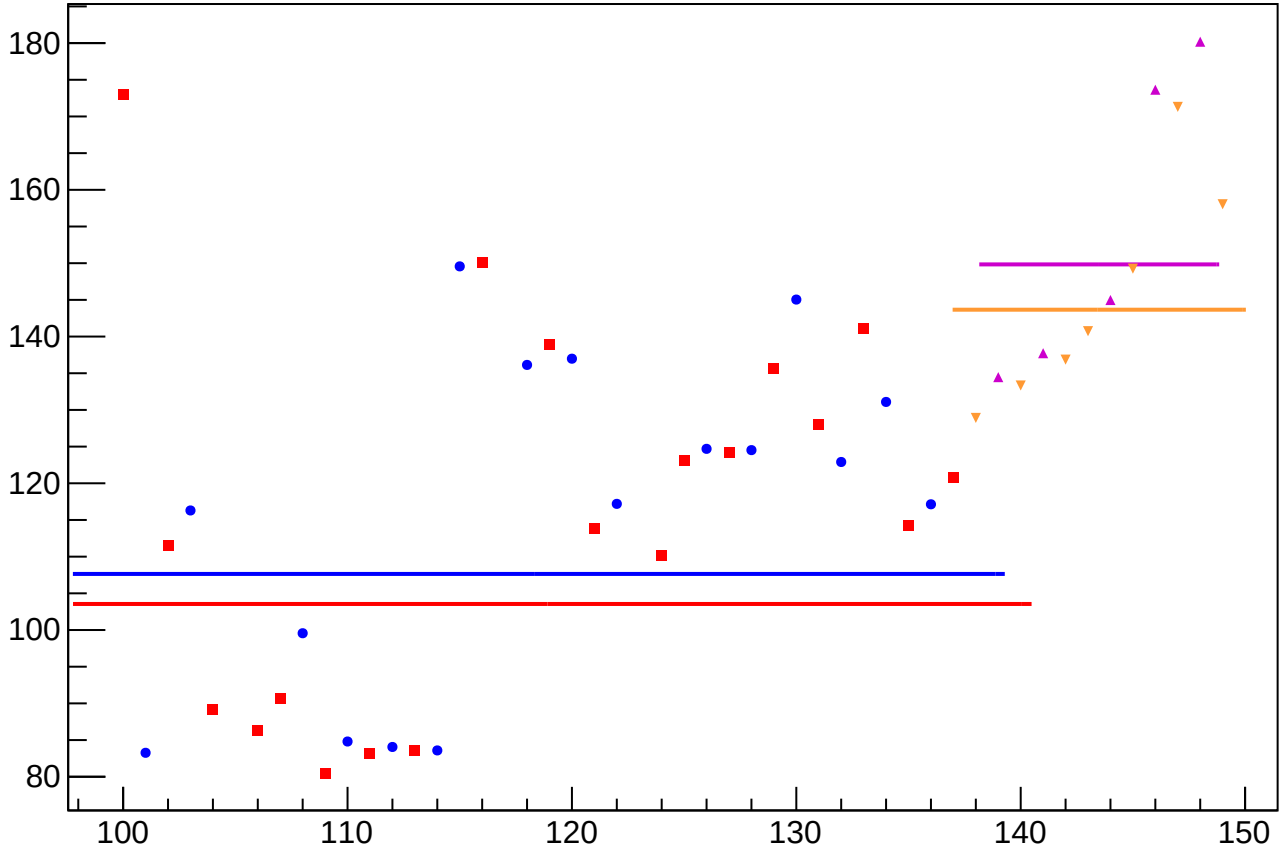
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 23.109+/-35.619 χ^2/NDF:57.2/20

Out: 71.936+/-32.994 χ^2/NDF:40.6/25

All: 49.388+/-24.205 χ^2/NDF: 98.8/46

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 143.661+/-0.044 χ^2/NDF:92403.1/6

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

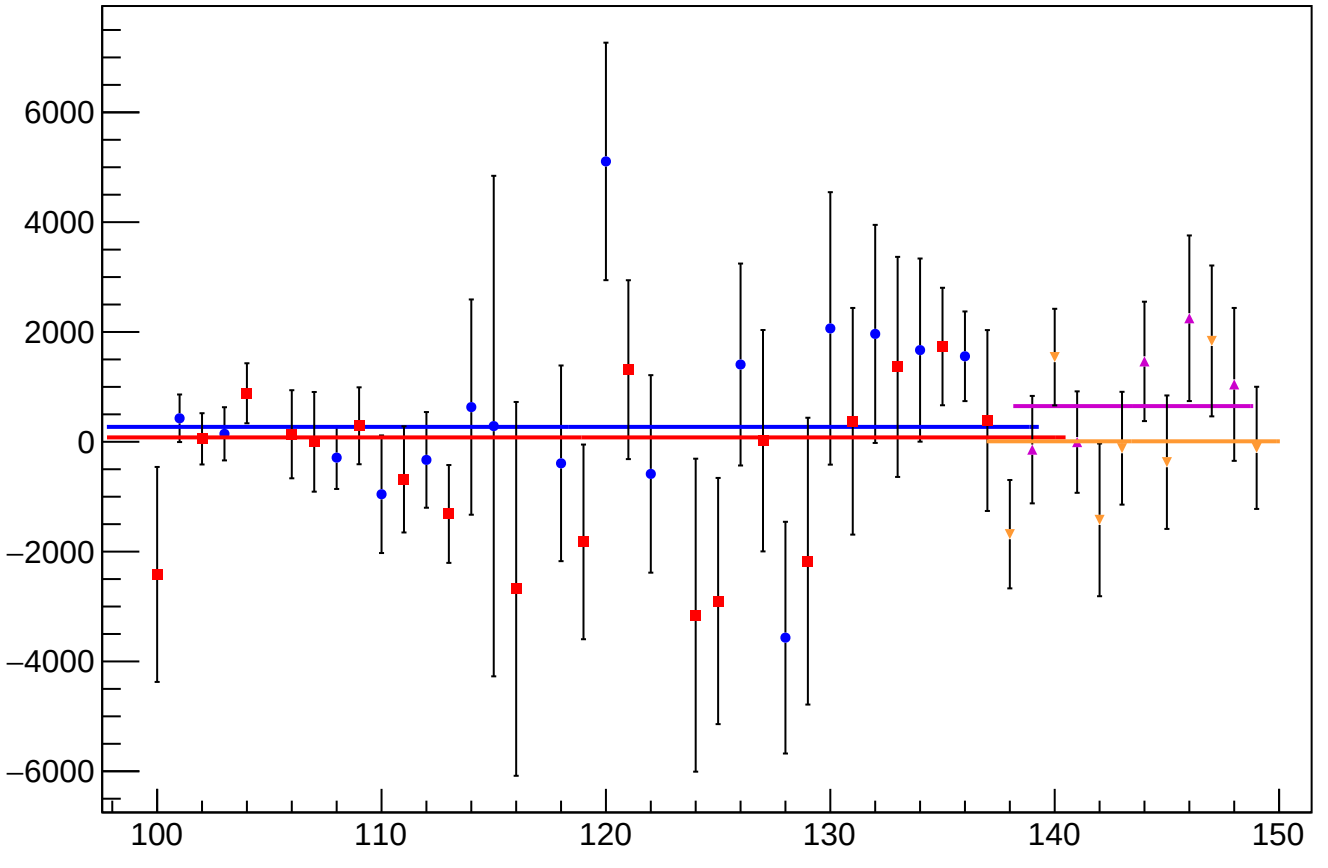
Left: 146.299+/-0.033 χ^2/NDF: 219735.8/11

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 117.894+/-0.025 χ^2/NDF:1167877.6/20

Out: 114.755+/-0.023 χ^2/NDF:1304847.0/25

All: 116.205+/-0.017 χ^2/NDF: 2481079.5/46



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 8.948+/-415.299 χ^2/NDF:8.9/6

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: 271.396+/-319.188 χ^2/NDF: 12.8/11

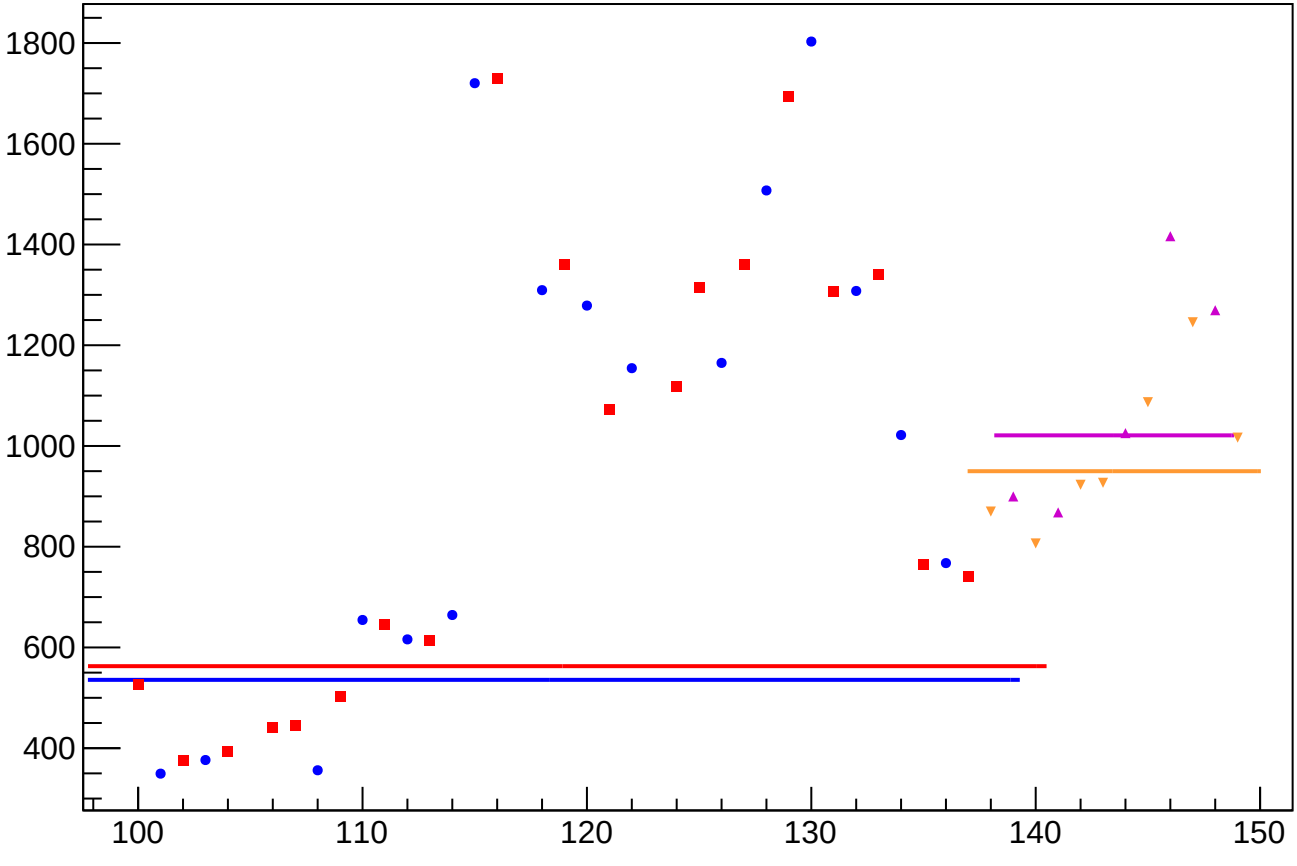
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 338.189+/-209.369 χ^2/NDF:19.9/20

Out: 63.155+/-202.642 χ^2/NDF:25.0/25

All: 196.182+/-145.610 χ^2/NDF: 45.7/46

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 949.914+/-0.294 χ^2/NDF:193290.5/6

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1021.083+/-0.353 χ^2/NDF:286733.6/4

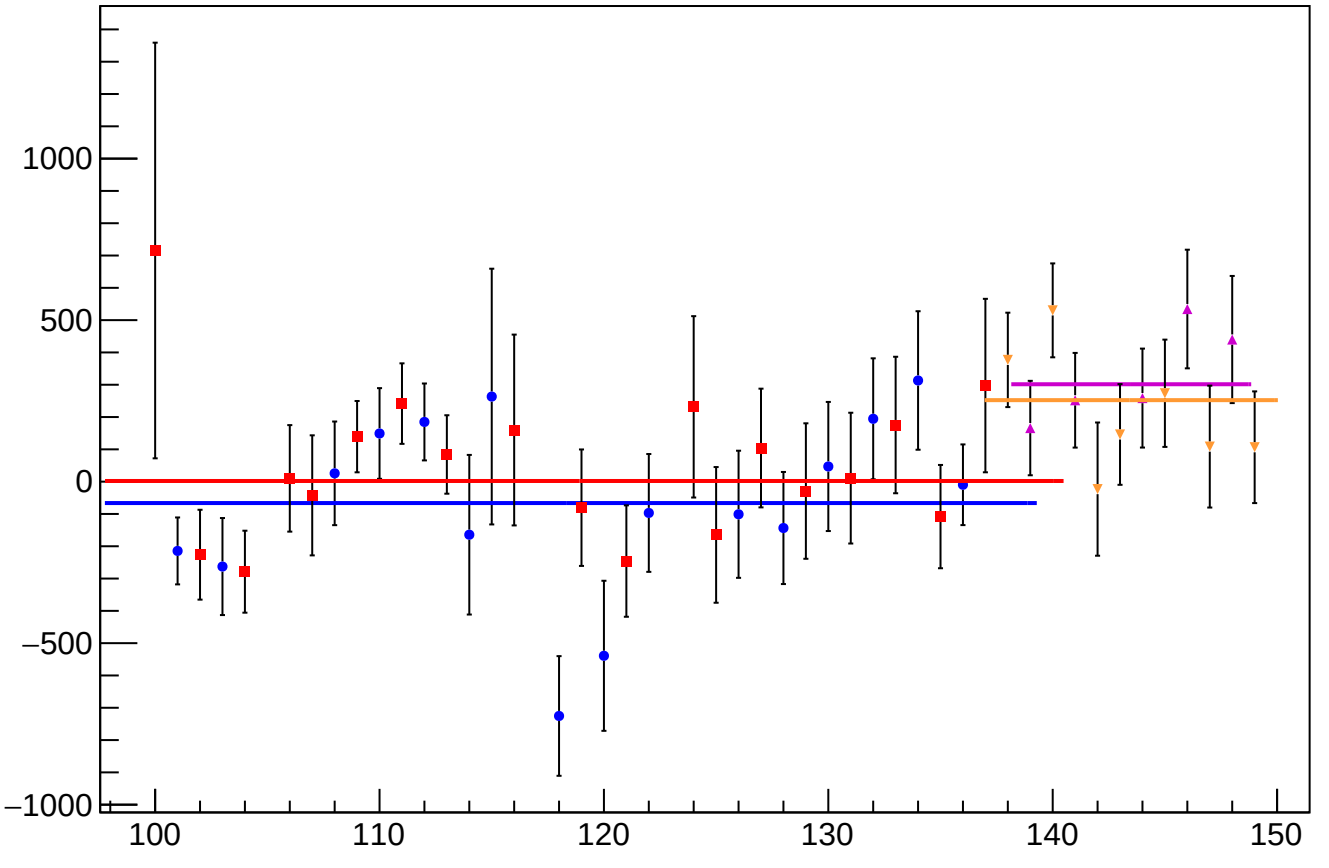
Left: 979.043+/-0.226 χ^2/NDF: 504063.6/11

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 621.164+/-0.148 χ^2/NDF:5478841.6/20

Out: 655.001+/-0.143 χ^2/NDF:4628029.0/25

All: 638.635+/-0.103 χ^2/NDF: 10133842.5/46



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 252.301+/-62.423 χ^2/NDF:7.9/6

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: 273.333+/-47.240 χ^2/NDF: 11.4/11

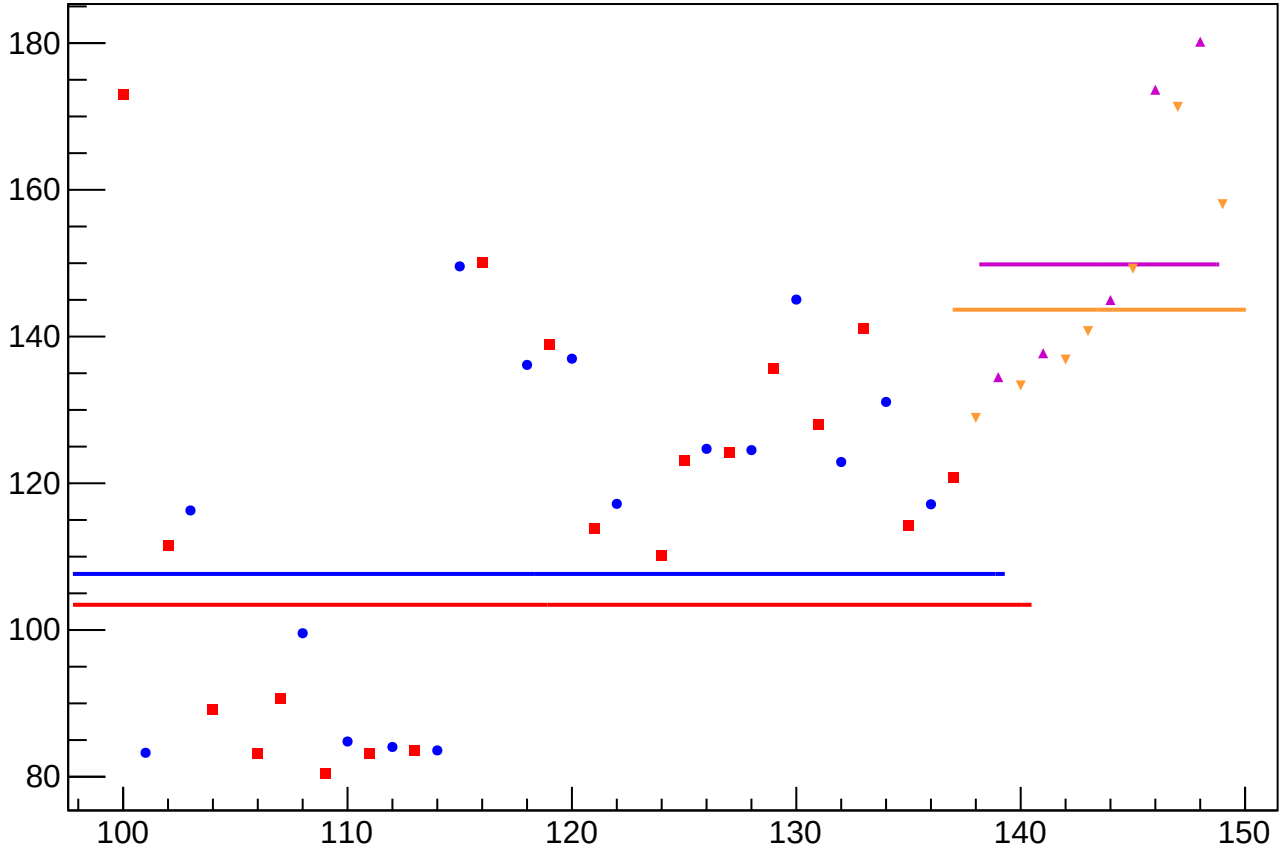
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 23.088+/-35.619 χ^2/NDF:57.2/20

Out: 72.152+/-33.037 χ^2/NDF:40.6/25

All: 49.463+/-24.222 χ^2/NDF: 98.8/46

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 143.661+/-0.044 χ^2/NDF:92403.1/6

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 149.835+/-0.051 χ^2/NDF:118971.7/4

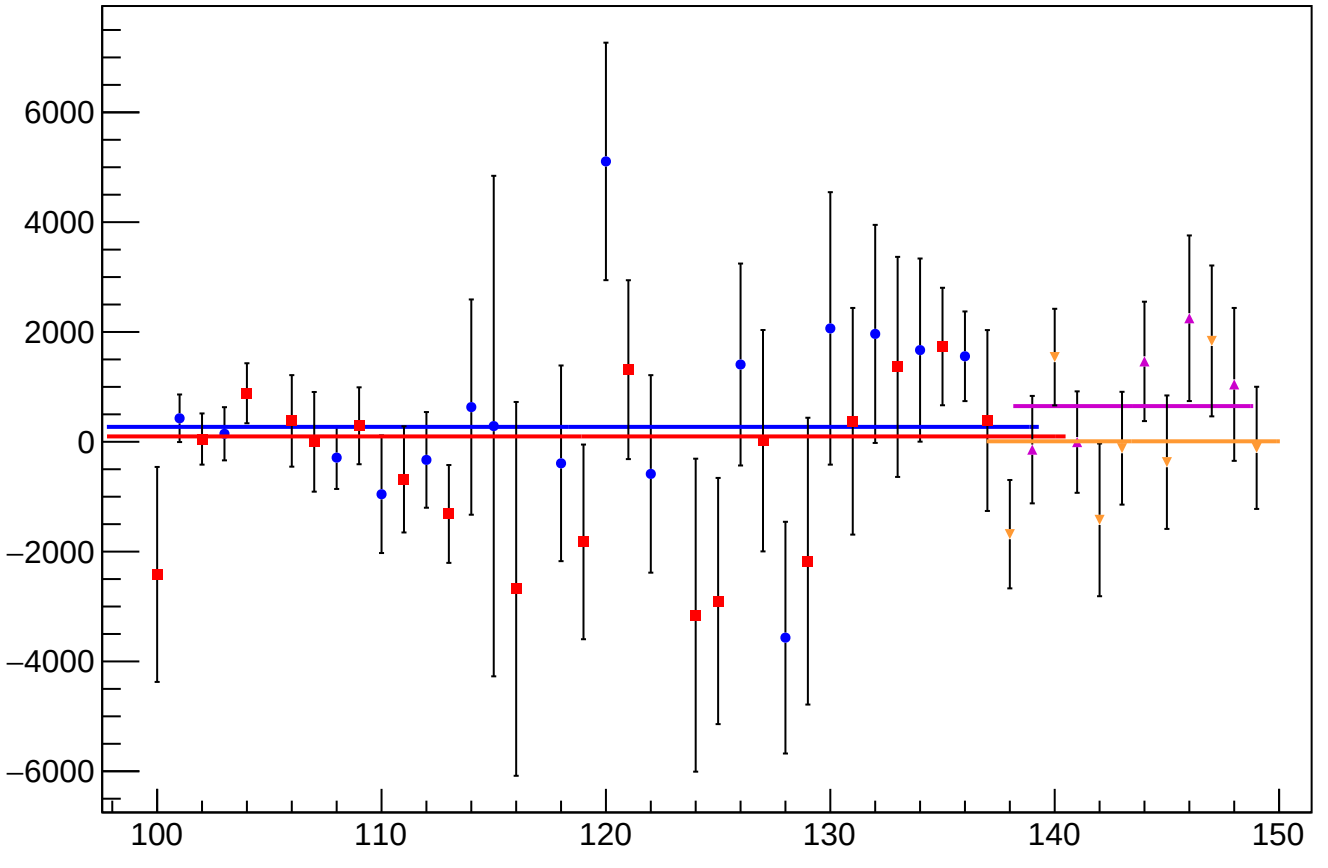
Left: 146.299+/-0.033 χ^2/NDF: 219735.8/11

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 117.894+/-0.025 χ^2/NDF:1167877.4/20

Out: 114.704+/-0.023 χ^2/NDF:1314978.3/25

All: 116.179+/-0.017 χ^2/NDF: 2491477.1/46



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 8.960+/-415.299 χ^2/NDF:8.9/6

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 650.149+/-498.917 χ^2/NDF:2.9/4

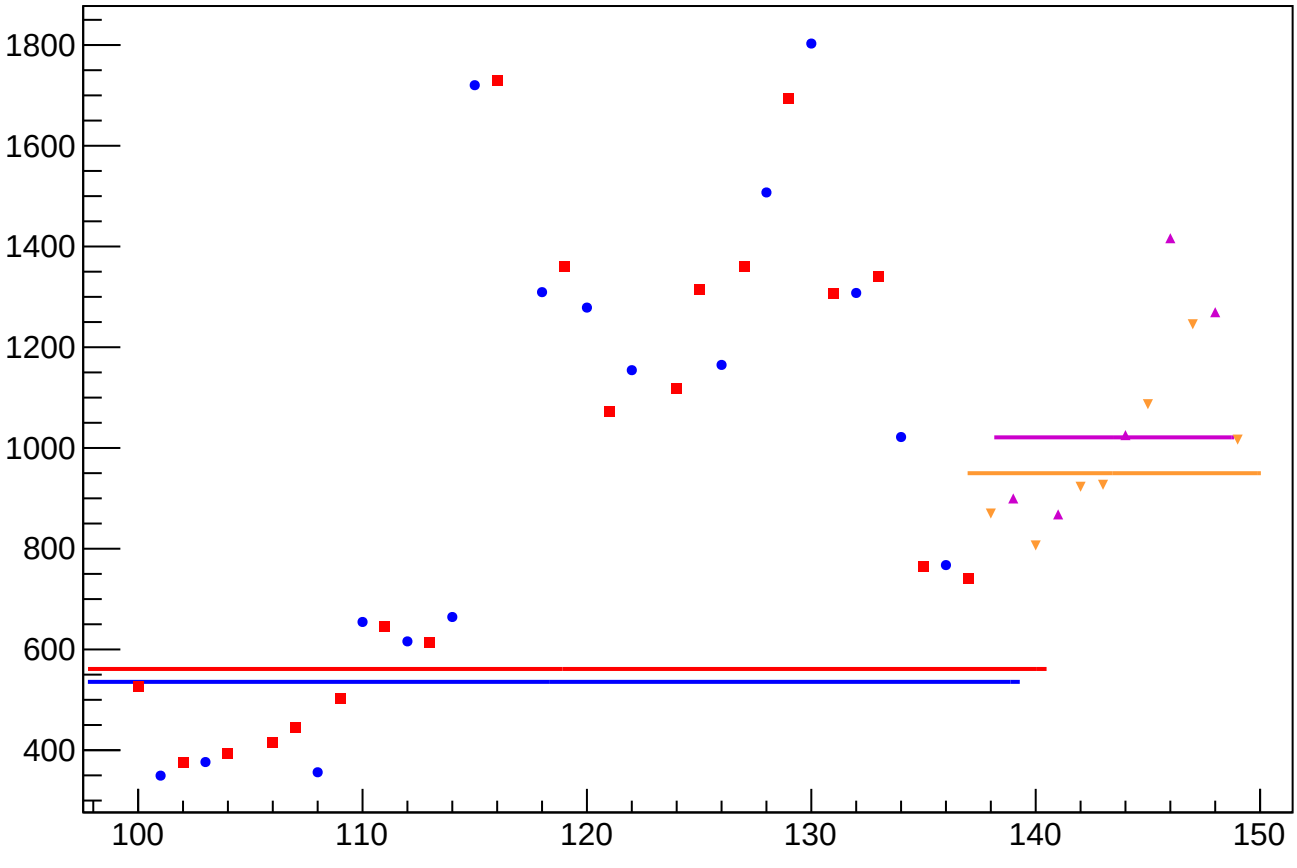
Left: 271.395+/-319.188 χ^2/NDF: 12.8/11

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 338.298+/-209.364 χ^2/NDF:19.9/20

Out: 76.597+/-203.058 χ^2/NDF:25.1/25

All: 203.447+/-145.762 χ^2/NDF: 45.8/46



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 949.914+/-0.294 χ^2/NDF:193290.7/6

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1021.083+/-0.353 χ^2/NDF:286733.9/4

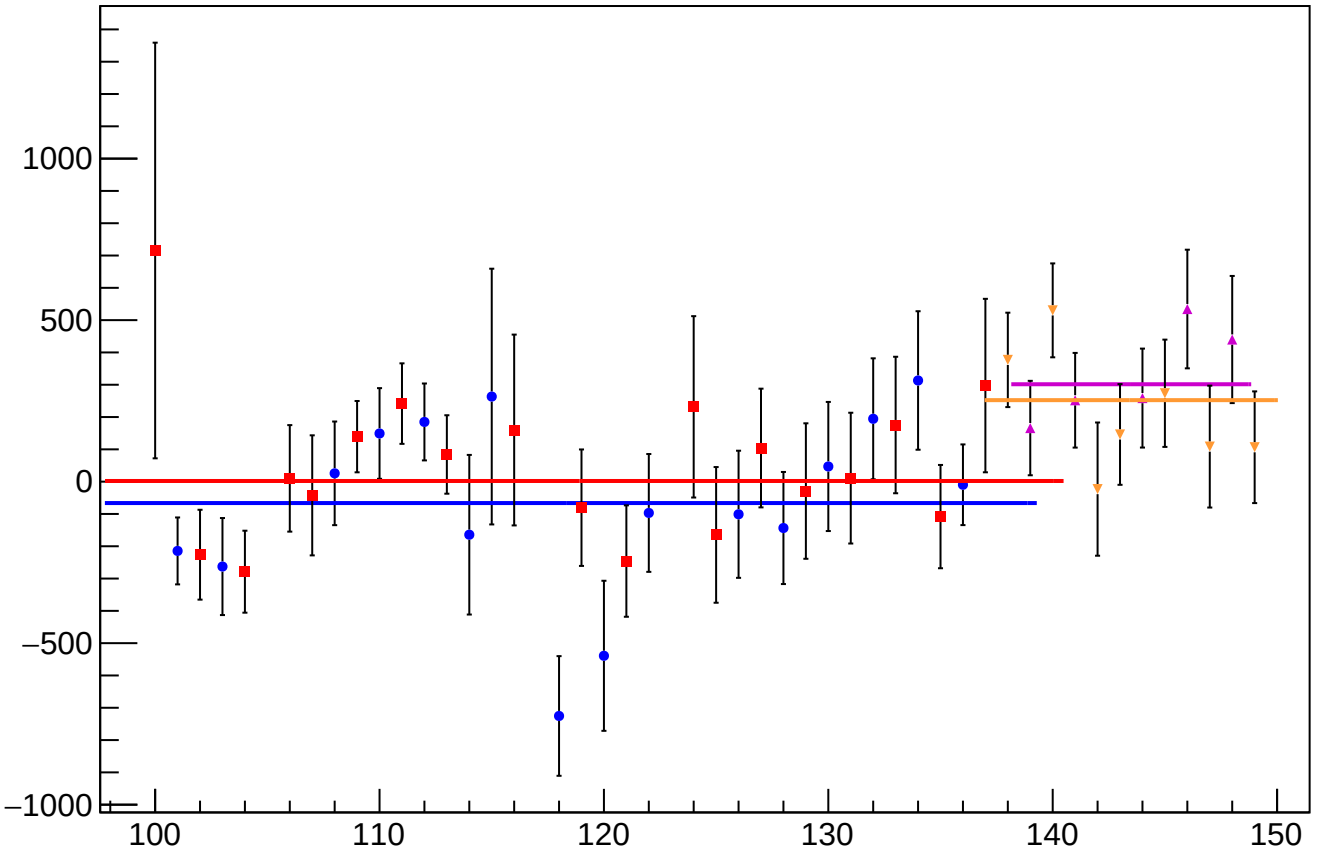
Left: 979.043+/-0.226 χ^2/NDF: 504064.1/11

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 621.142+/-0.148 χ^2/NDF:5479198.4/20

Out: 654.182+/-0.144 χ^2/NDF:4656838.8/25

All: 638.167+/-0.103 χ^2/NDF: 10161702.7/46



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 252.301+/-62.423 χ^2/NDF:7.9/6

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 301.523+/-72.268 χ^2/NDF:3.2/4

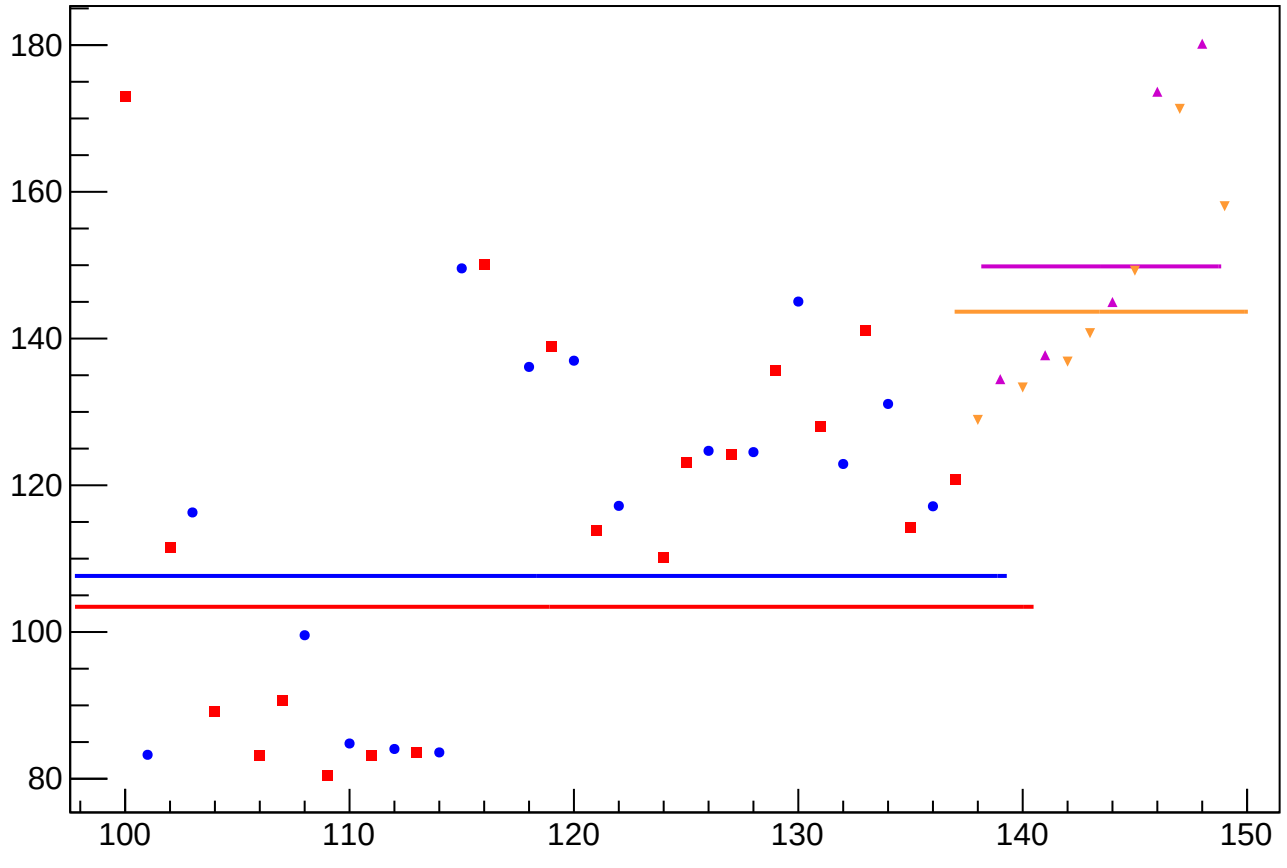
Left: 273.333+/-47.240 χ^2/NDF: 11.4/11

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 23.088+/-35.619 χ^2/NDF:57.2/20

Out: 72.152+/-33.037 χ^2/NDF:40.6/25

All: 49.463+/-24.222 χ^2/NDF: 98.8/46



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 143.661+/-0.044 χ^2/NDF:92403.1/6

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: 146.299+/-0.033 χ^2/NDF: 219735.8/11

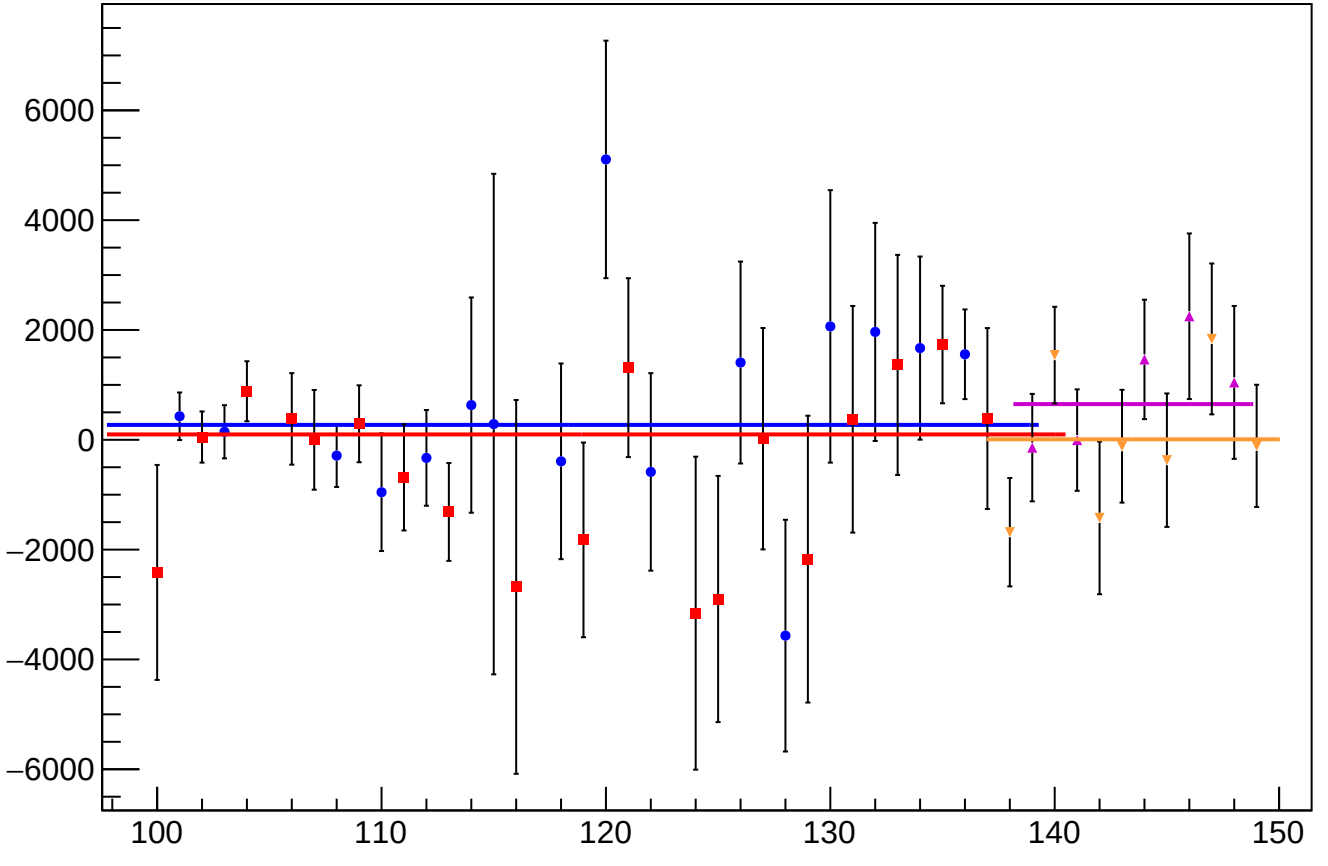
Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 117.894+/-0.025 χ^2/NDF:1167877.4/20

Out: 114.704+/-0.023 χ^2/NDF:1314978.3/25

All: 116.179+/-0.017 χ^2/NDF: 2491477.1/46

asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 8.960+/-415.299 χ^2/NDF:8.9/6

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 650.149+/-498.917 χ^2/NDF:2.9/4

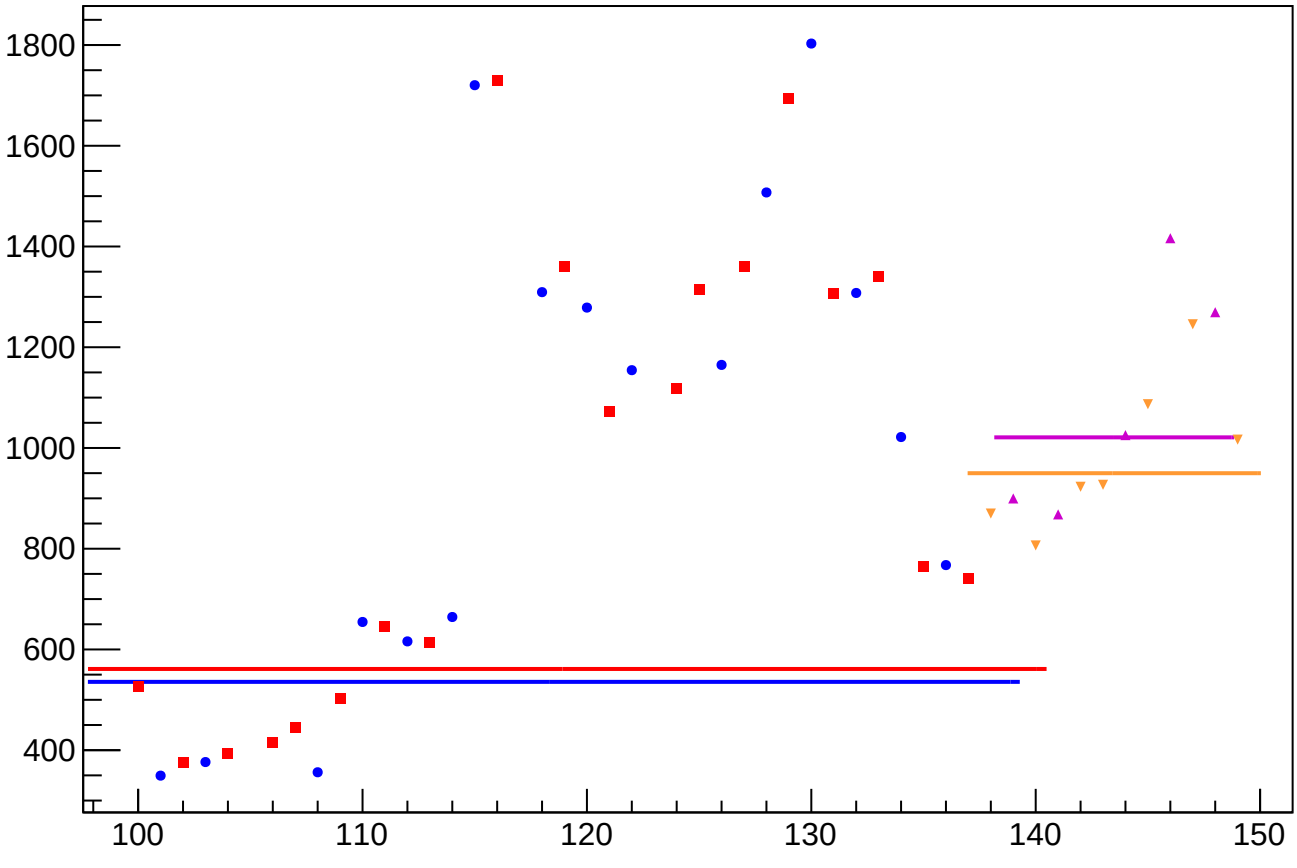
Left: 271.395+/-319.188 χ^2/NDF: 12.8/11

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 338.298+/-209.364 χ^2/NDF:19.9/20

Out: 76.597+/-203.058 χ^2/NDF:25.1/25

All: 203.447+/-145.762 χ^2/NDF: 45.8/46



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 949.914+/-0.294 χ^2/NDF:193290.7/6

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: 979.043+/-0.226 χ^2/NDF: 504064.1/11

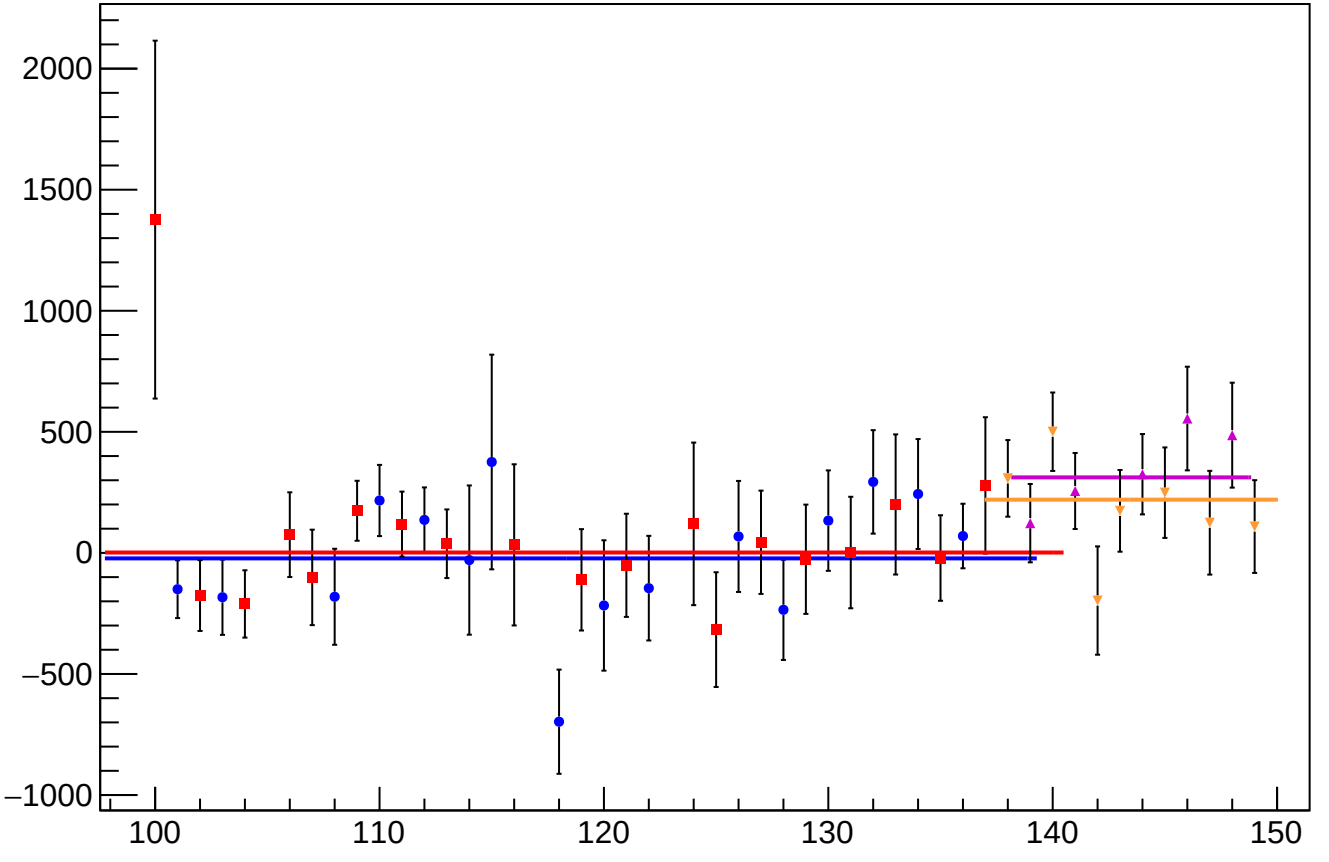
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 621.142+/-0.148 χ^2/NDF:5479198.4/20

Out: 654.182+/-0.144 χ^2/NDF:4656838.8/25

All: 638.167+/-0.103 χ^2/NDF: 10161702.7/46

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 219.830+/-68.860 χ^2/NDF:7.4/6

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: 259.292+/-52.054 χ^2/NDF: 11.6/11

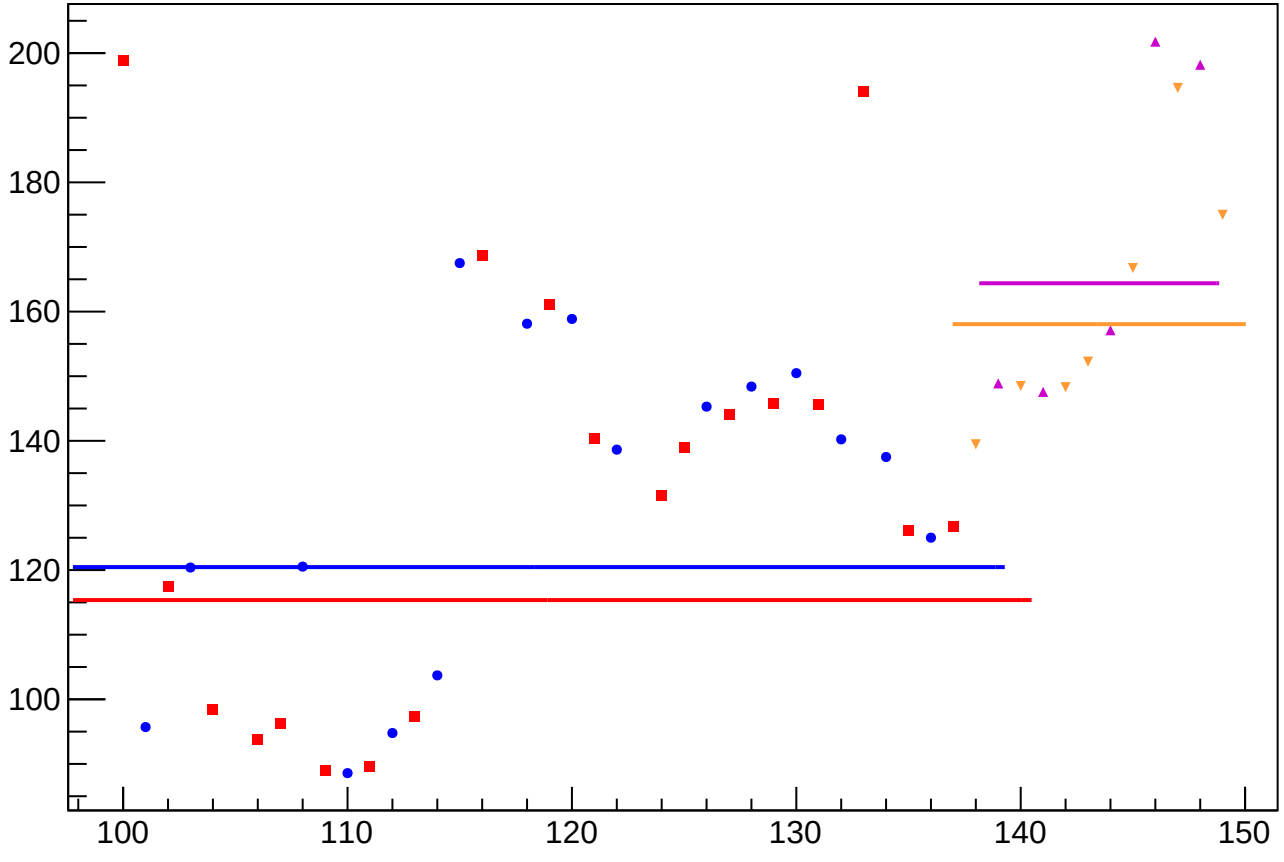
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 60.968+/-39.758 χ^2/NDF:40.9/20

Out: 63.976+/-36.815 χ^2/NDF:28.9/25

All: 62.587+/-27.013 χ^2/NDF: 69.8/46

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 158.056+/-0.049 χ^2/NDF:118931.6/6

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: 160.768+/-0.037 χ^2/NDF: 280998.6/11

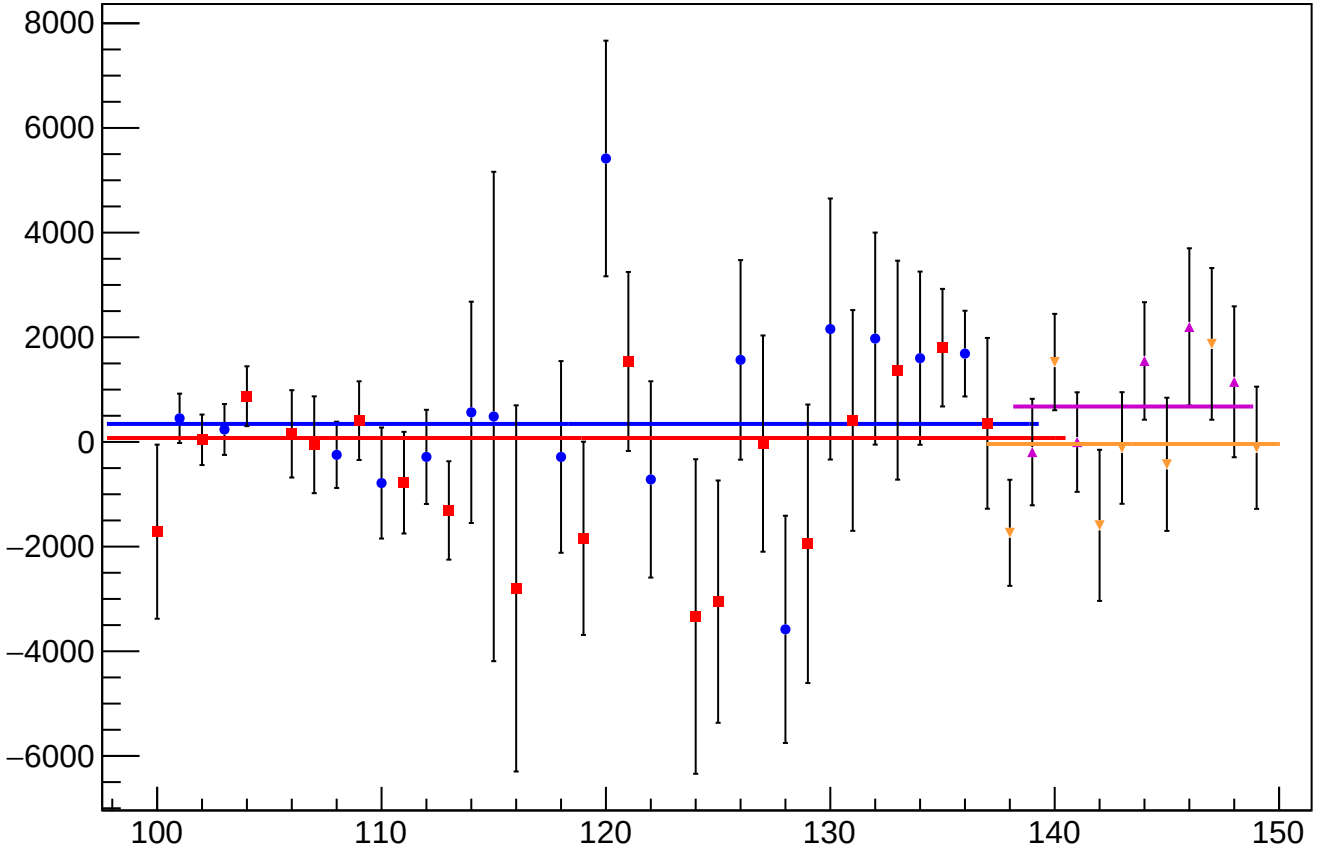
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 131.439+/-0.028 χ^2/NDF:1142893.3/20

Out: 127.561+/-0.026 χ^2/NDF:1435367.2/25

All: 129.352+/-0.019 χ^2/NDF: 2588505.1/46

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -39.181+/-432.750 χ^2/NDF:8.7/6

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 676.841+/-513.800 χ^2/NDF:3.0/4

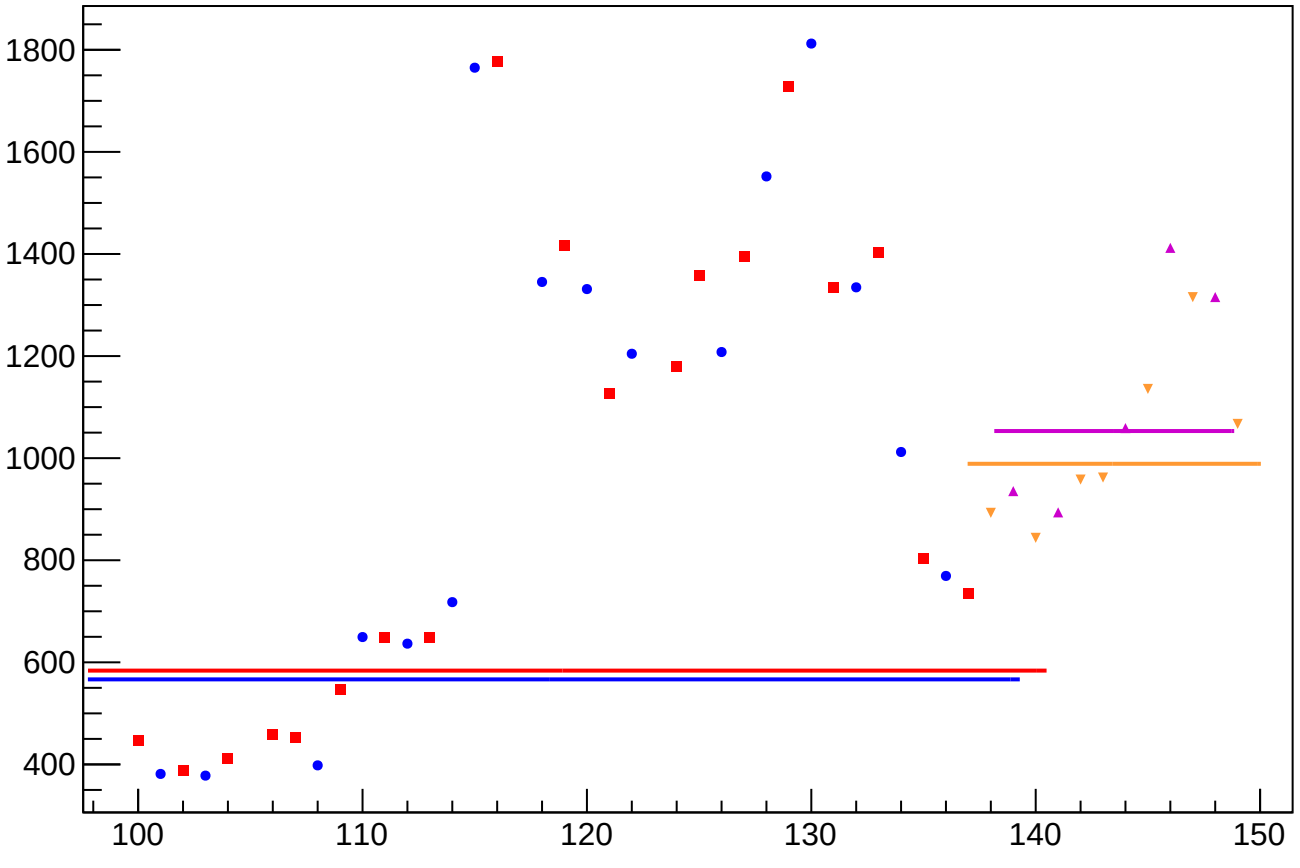
Left: 257.966+/-330.991 χ^2/NDF: 12.8/11

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 404.598+/-218.584 χ^2/NDF:19.6/20

Out: 48.392+/-210.204 χ^2/NDF:24.0/25

All: 219.535+/-151.513 χ^2/NDF: 45.0/46



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 988.970+/-0.306 χ^2/NDF:206810.3/6

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1053.143+/-0.363 χ^2/NDF:263238.5/4

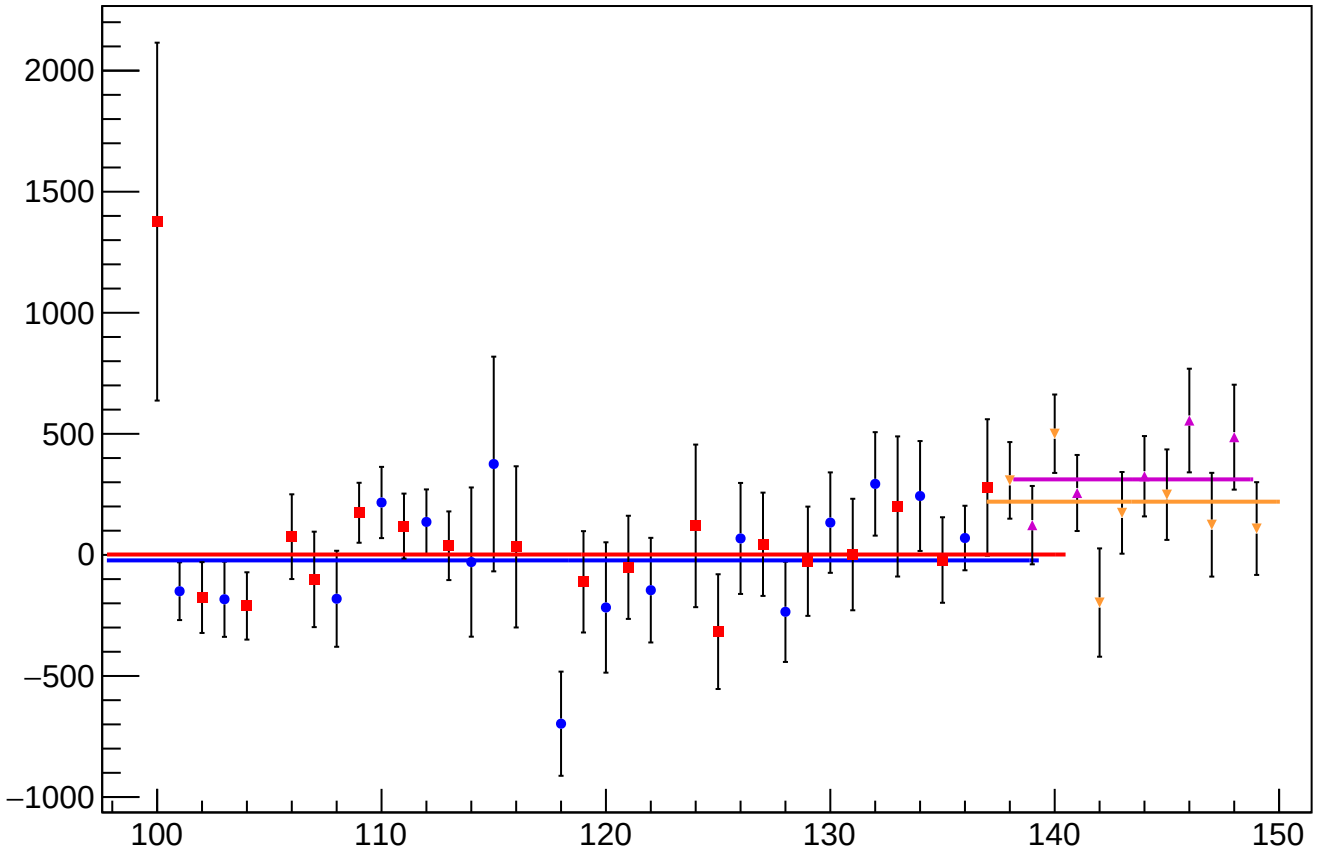
Left: 1015.601+/-0.234 χ^2/NDF: 488300.6/11

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 654.661+/-0.155 χ^2/NDF:5164497.0/20

Out: 679.392+/-0.149 χ^2/NDF:4653903.2/25

All: 667.510+/-0.107 χ^2/NDF: 9831701.4/46



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 219.834+/-68.860 χ^2/NDF:7.4/6

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 311.910+/-79.516 χ^2/NDF:3.4/4

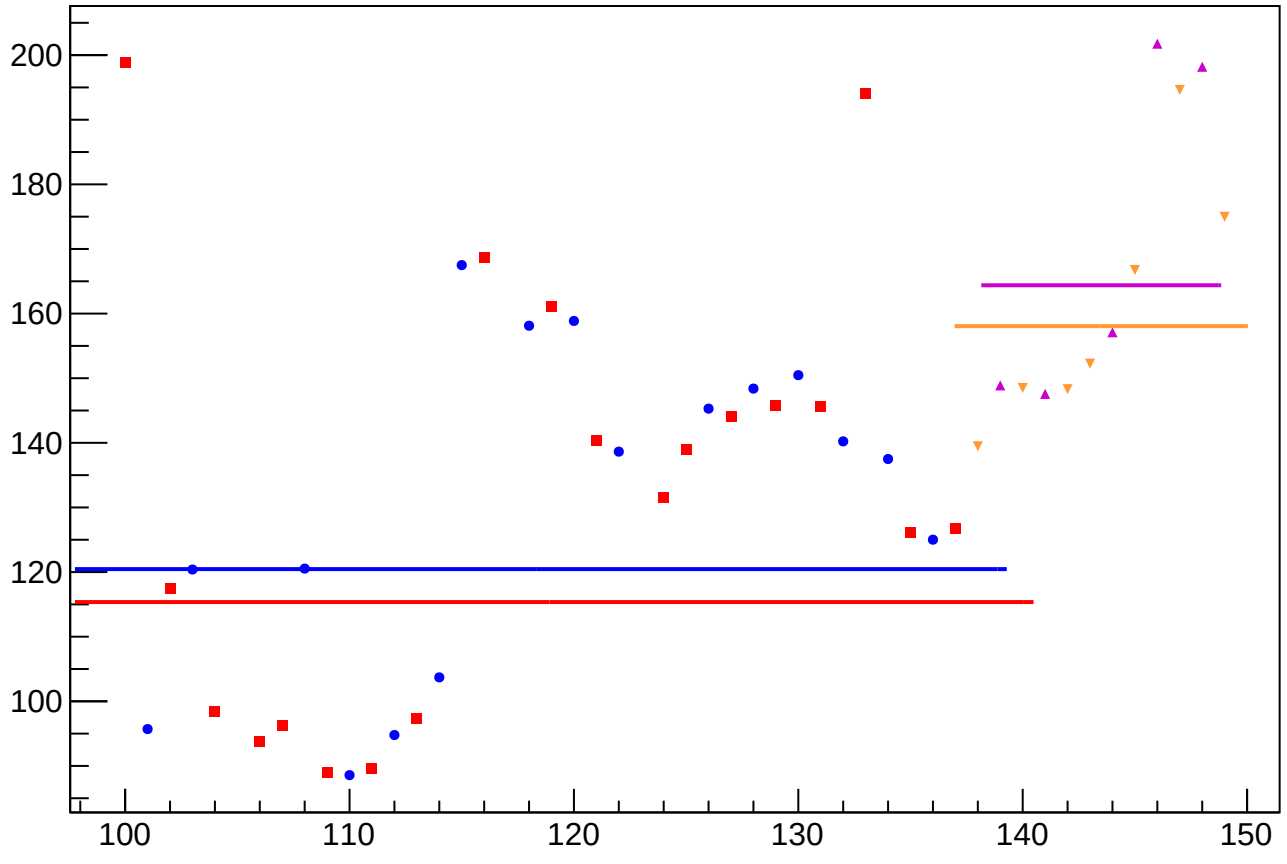
Left: 259.293+/-52.054 χ^2/NDF: 11.6/11

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 60.966+/-39.758 χ^2/NDF:40.9/20

Out: 63.978+/-36.815 χ^2/NDF:28.9/25

All: 62.588+/-27.012 χ^2/NDF: 69.8/46



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 158.056+/-0.049 χ^2/NDF:118930.4/6

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 164.383+/-0.056 χ^2/NDF:154829.5/4

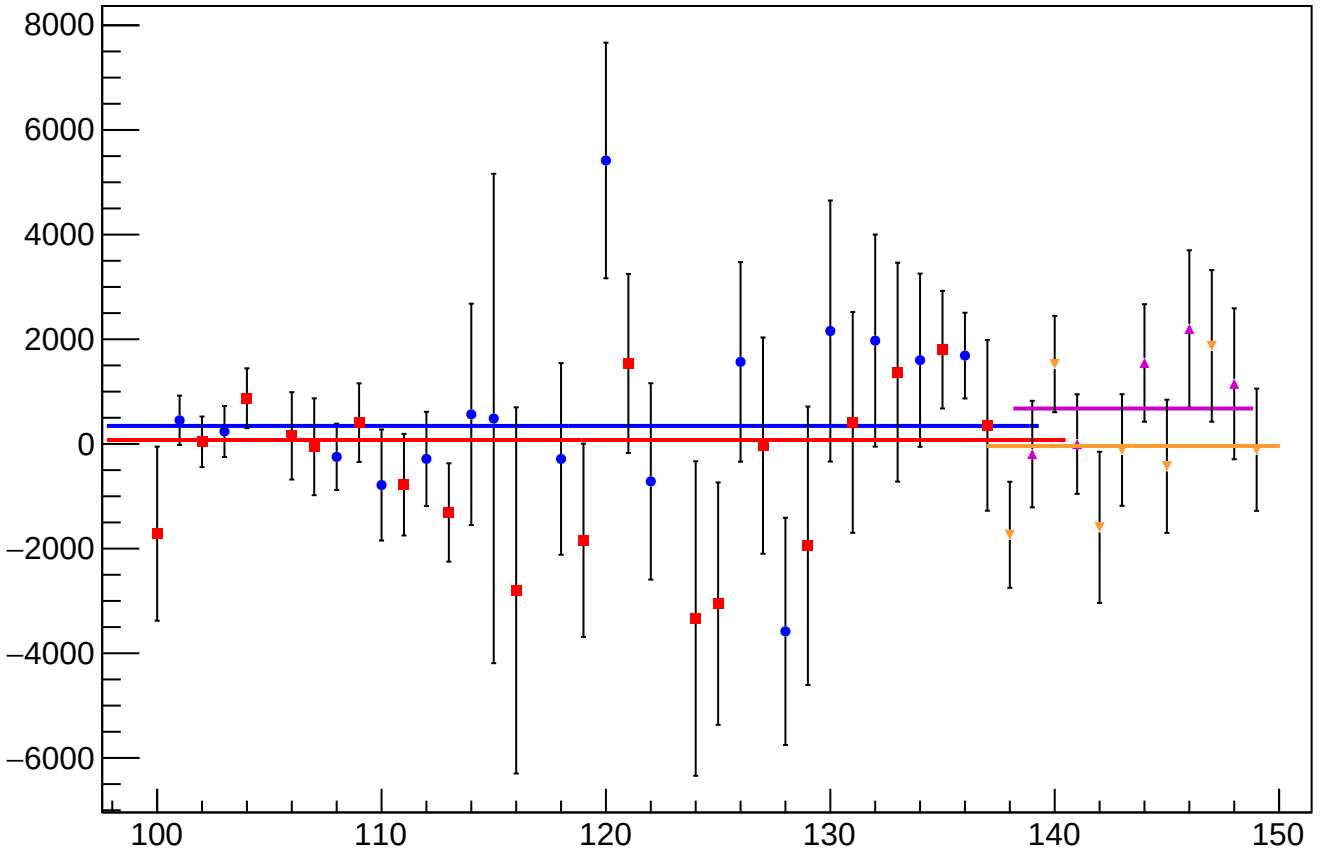
Left: 160.767+/-0.037 χ^2/NDF: 280997.9/11

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 131.439+/-0.028 χ^2/NDF:1142899.4/20

Out: 127.561+/-0.026 χ^2/NDF:1435365.2/25

All: 129.351+/-0.019 χ^2/NDF: 2588509.0/46



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -39.176+/-432.750 χ^2/NDF:8.7/6

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 676.839+/-513.800 χ^2/NDF:3.0/4

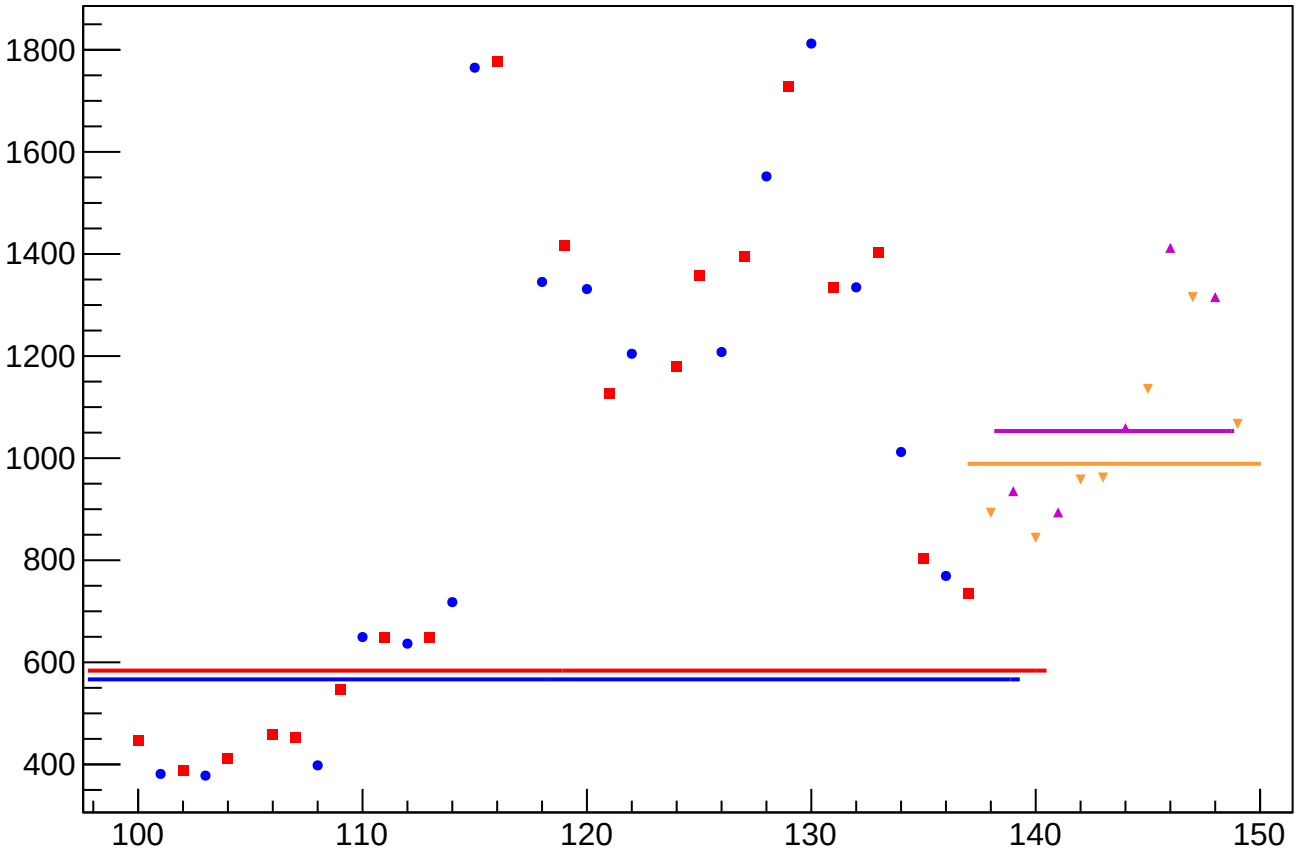
Left: 257.968+/-330.991 χ^2/NDF: 12.8/11

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 404.597+/-218.584 χ^2/NDF:19.6/20

Out: 48.394+/-210.204 χ^2/NDF:24.0/25

All: 219.536+/-151.513 χ^2/NDF: 45.0/46



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 988.969+/-0.306 χ^2/NDF:206810.4/6

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: 1015.600+/-0.234 χ^2/NDF: 488301.5/11

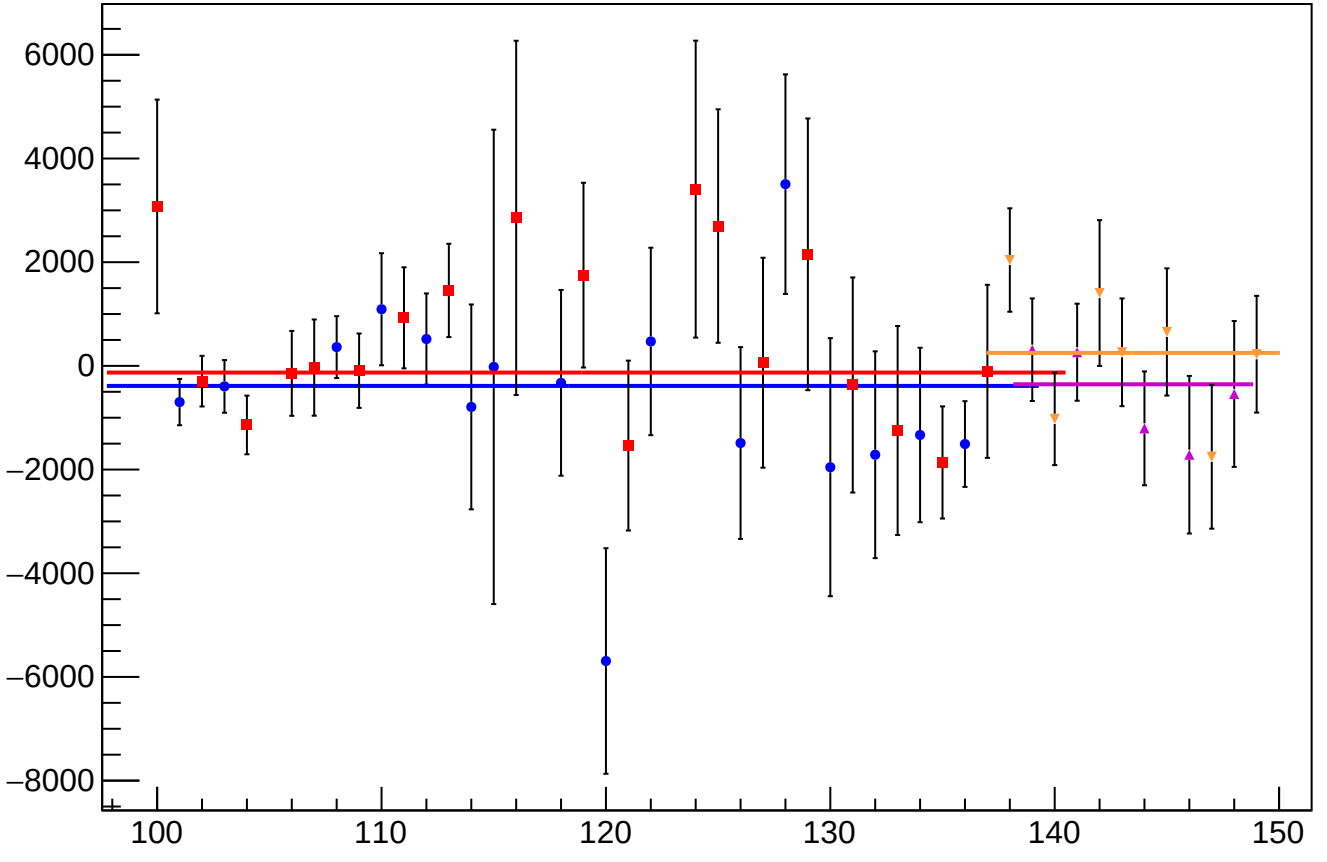
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 654.660+/-0.155 χ^2/NDF:5164503.7/20

Out: 679.392+/-0.149 χ^2/NDF:4653902.1/25

All: 667.509+/-0.107 χ^2/NDF: 9831707.4/46

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 250.527+/-420.086 χ^2/NDF:8.1/6

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: 2.541+/-322.785 χ^2/NDF: 11.3/11

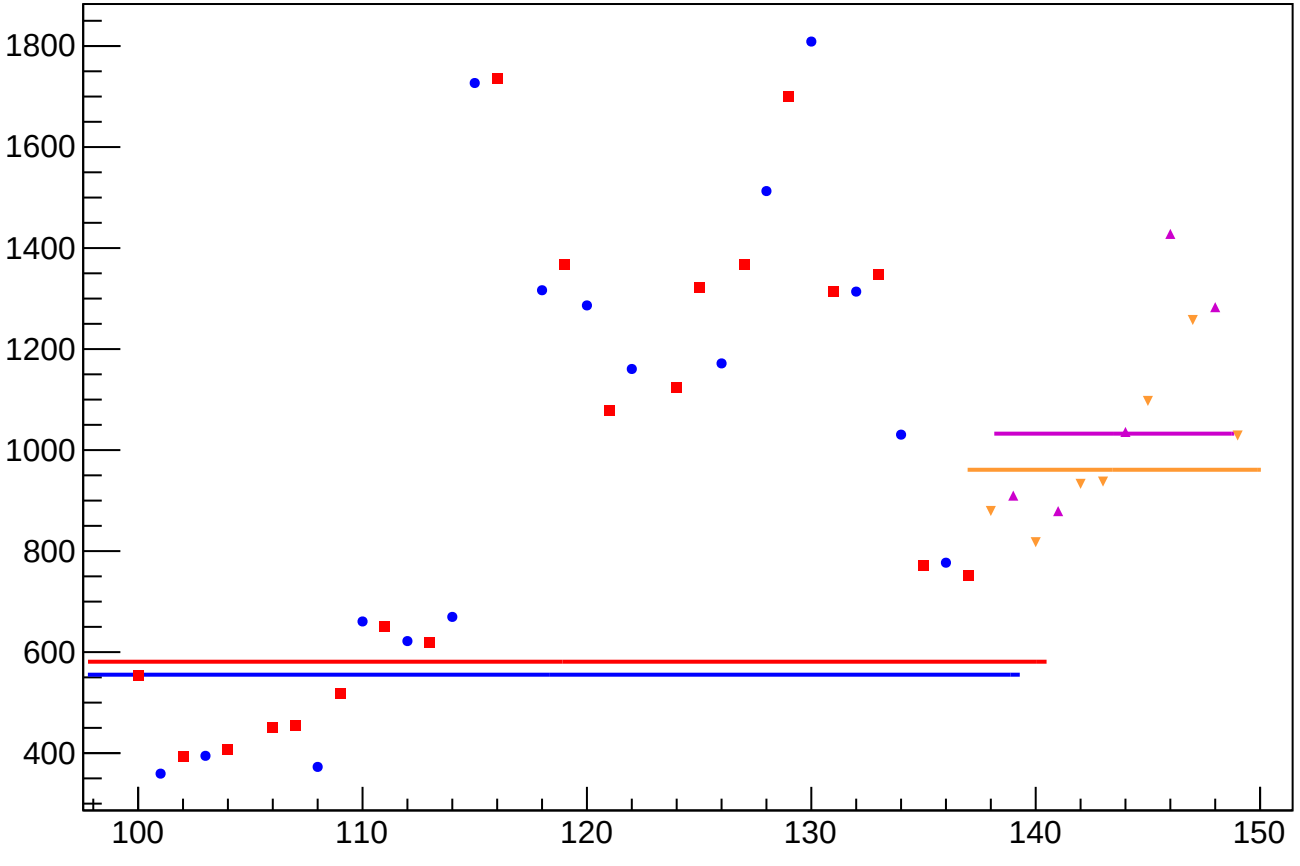
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -380.785+/-214.887 χ^2/NDF:20.3/20

Out: -36.324+/-207.234 χ^2/NDF:28.1/25

All: -202.311+/-149.169 χ^2/NDF: 49.7/46

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 961.056+/-0.297 χ^2/NDF:190275.4/6

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1032.551+/-0.357 χ^2/NDF:283332.3/4

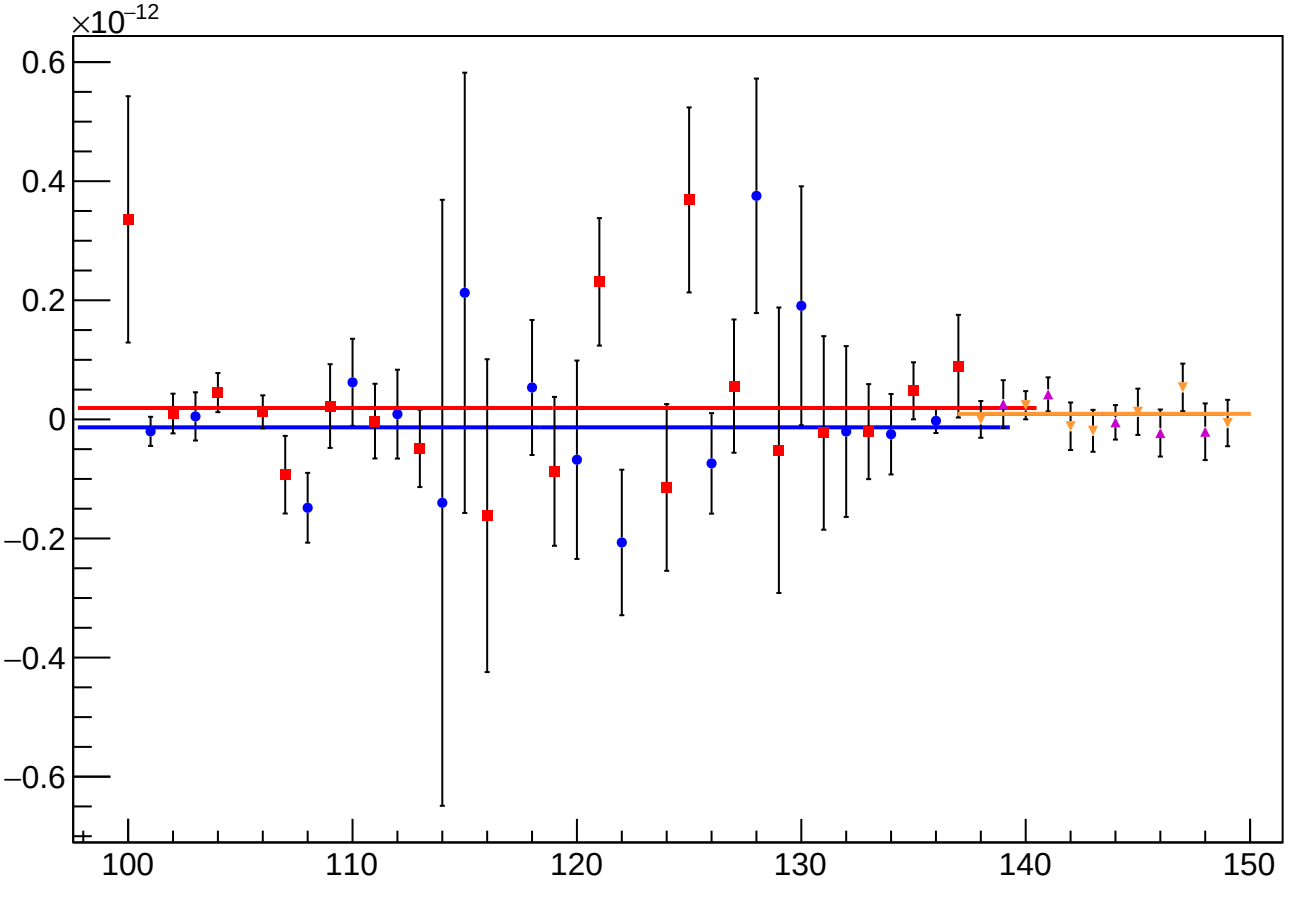
Left: 990.340+/-0.228 χ^2/NDF: 497335.5/11

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 641.928+/-0.152 χ^2/NDF:5231638.4/20

Out: 673.486+/-0.147 χ^2/NDF:4412484.4/25

All: 658.279+/-0.105 χ^2/NDF: 9666471.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

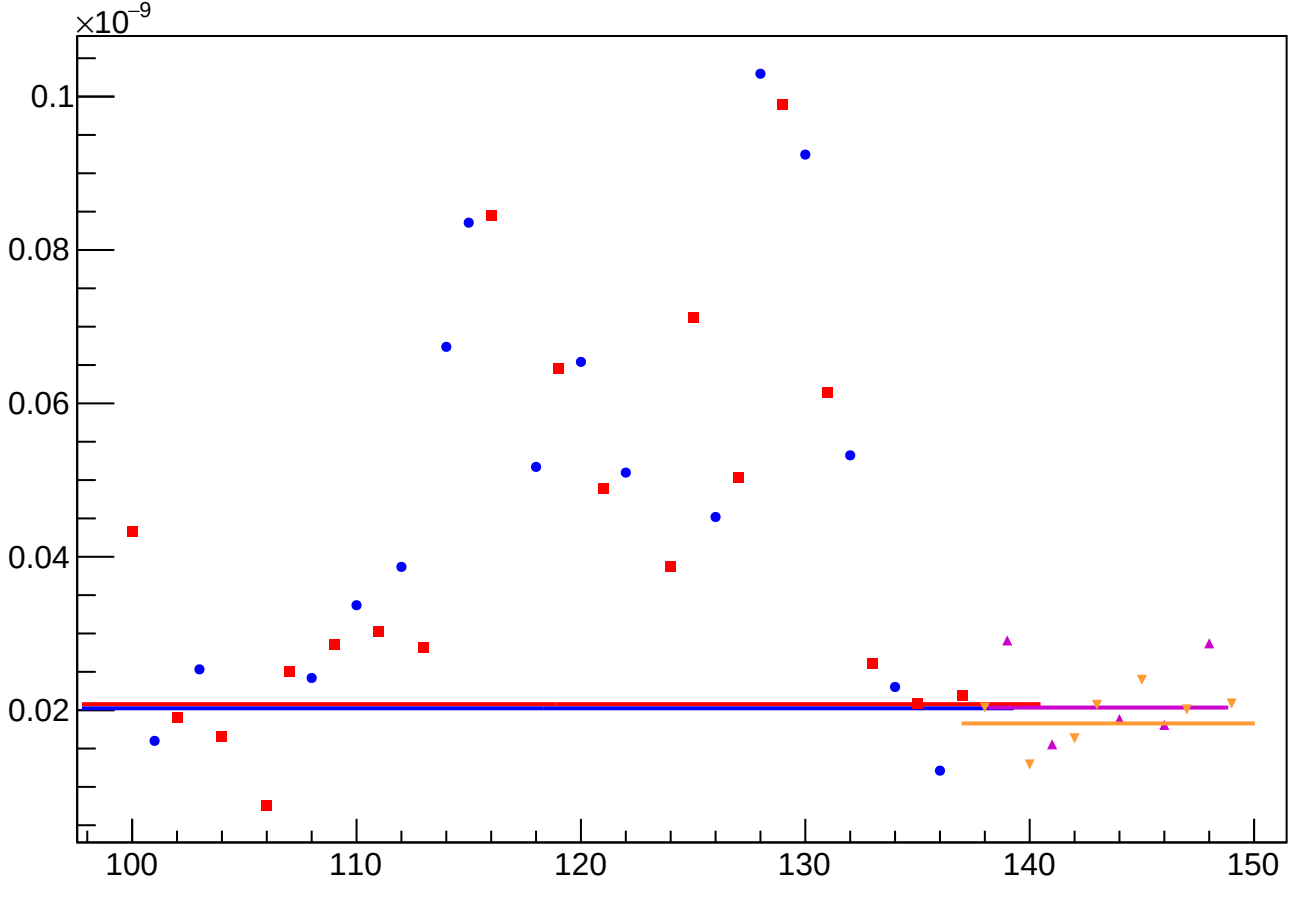
Left: 0.000+/-0.000 χ^2/NDF: 5.6/11

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:22.9/25

All: 0.000+/-0.000 χ^2/NDF: 44.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:181042.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:224938.6/4

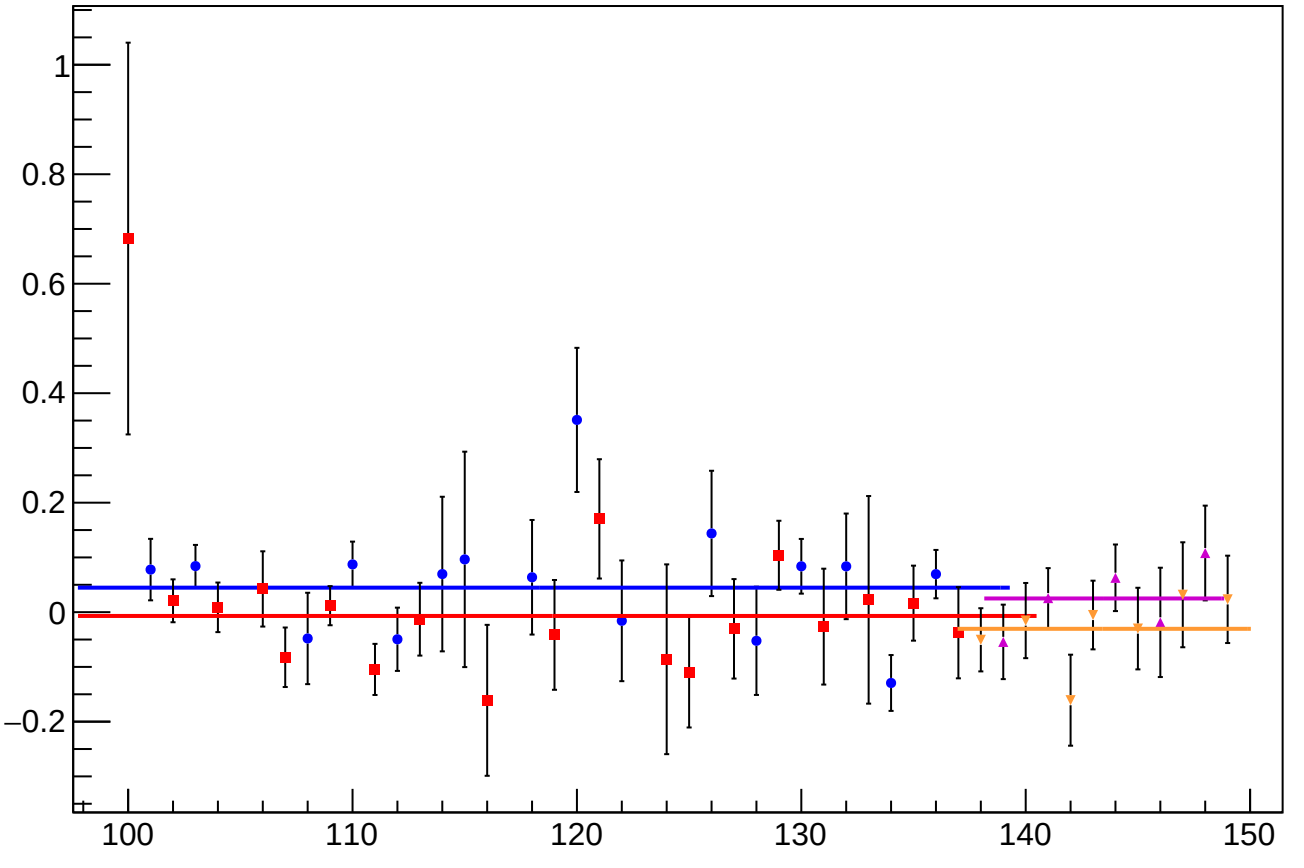
Left: 0.000+/-0.000 χ^2/NDF: 427213.7/11

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:2072729.9/25

All: 0.000+/-0.000 χ^2/NDF: 4310445.2/46



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

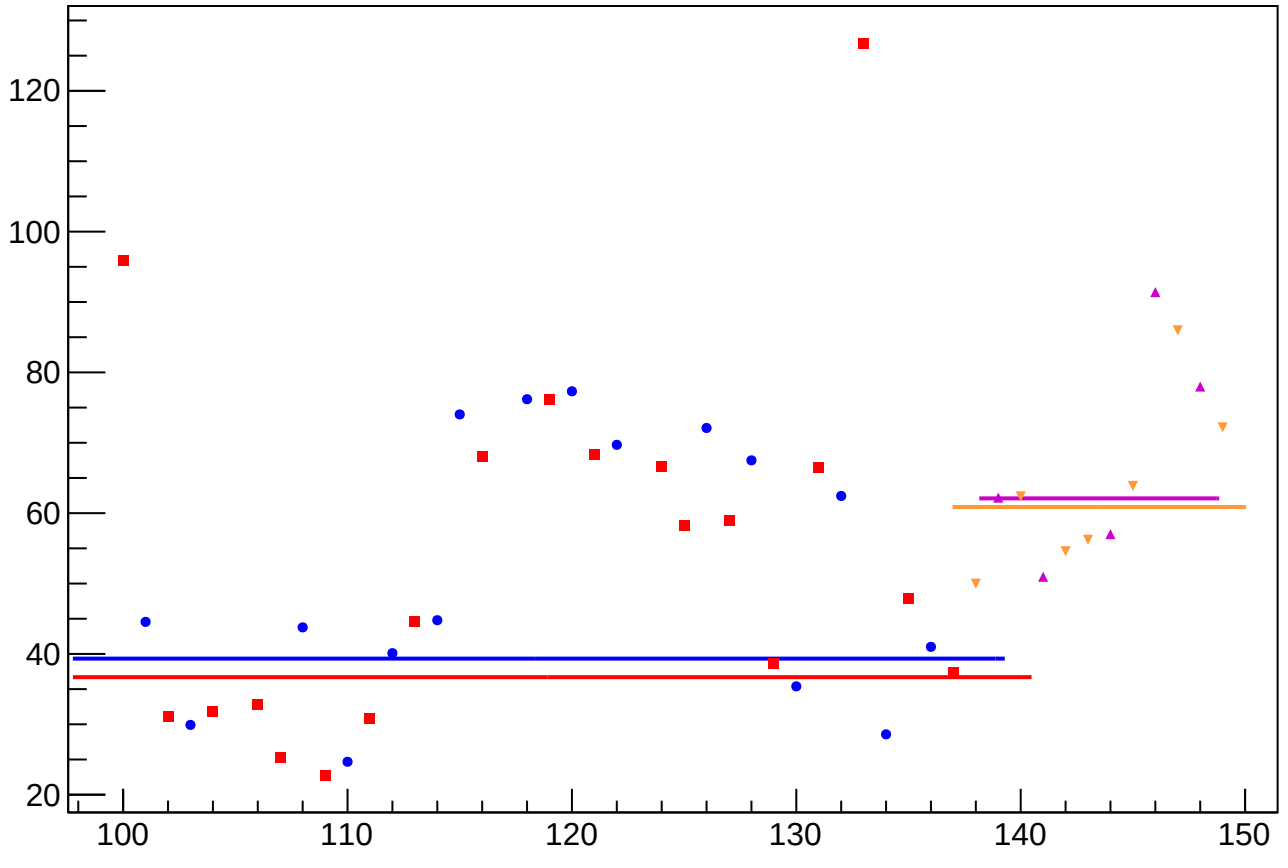
Left: -0.006+/-0.020 χ^2/NDF: 8.3/11

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.012+/-0.013 χ^2/NDF:24.4/25

All: 0.012+/-0.010 χ^2/NDF: 61.7/46



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 60.872+/-0.019 χ^2/NDF:275232.4/6

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

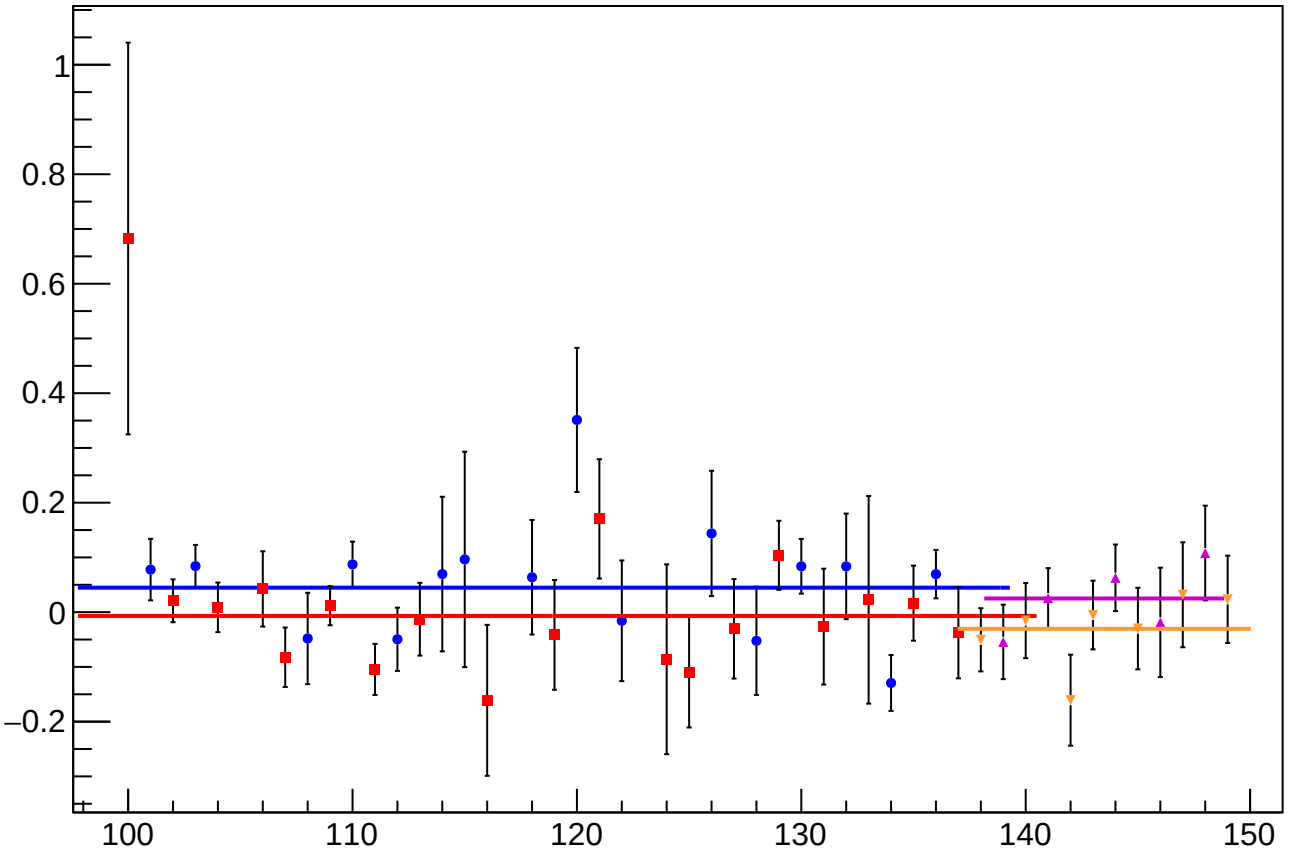
Left: 61.409+/-0.014 χ^2/NDF: 613386.9/11

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 44.182+/-0.010 χ^2/NDF:2762636.4/20

Out: 42.417+/-0.009 χ^2/NDF:3582540.7/25

All: 43.235+/-0.007 χ^2/NDF: 6361720.3/46



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

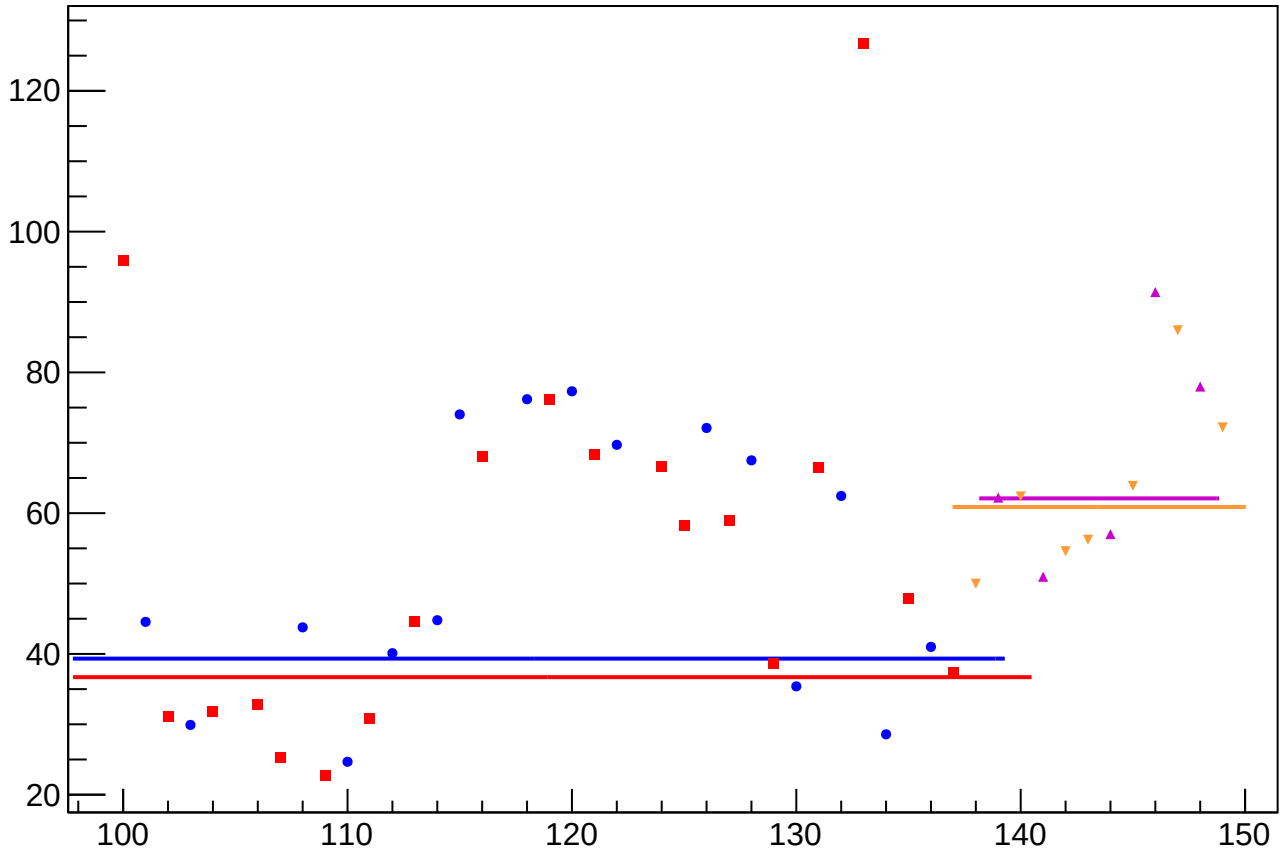
Left: -0.006+/-0.020 χ^2/NDF: 8.3/11

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.012+/-0.013 χ^2/NDF:24.4/25

All: 0.012+/-0.010 χ^2/NDF: 61.7/46



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 60.872+/-0.019 χ^2/NDF:275232.4/6

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 62.100+/-0.022 χ^2/NDF:336366.1/4

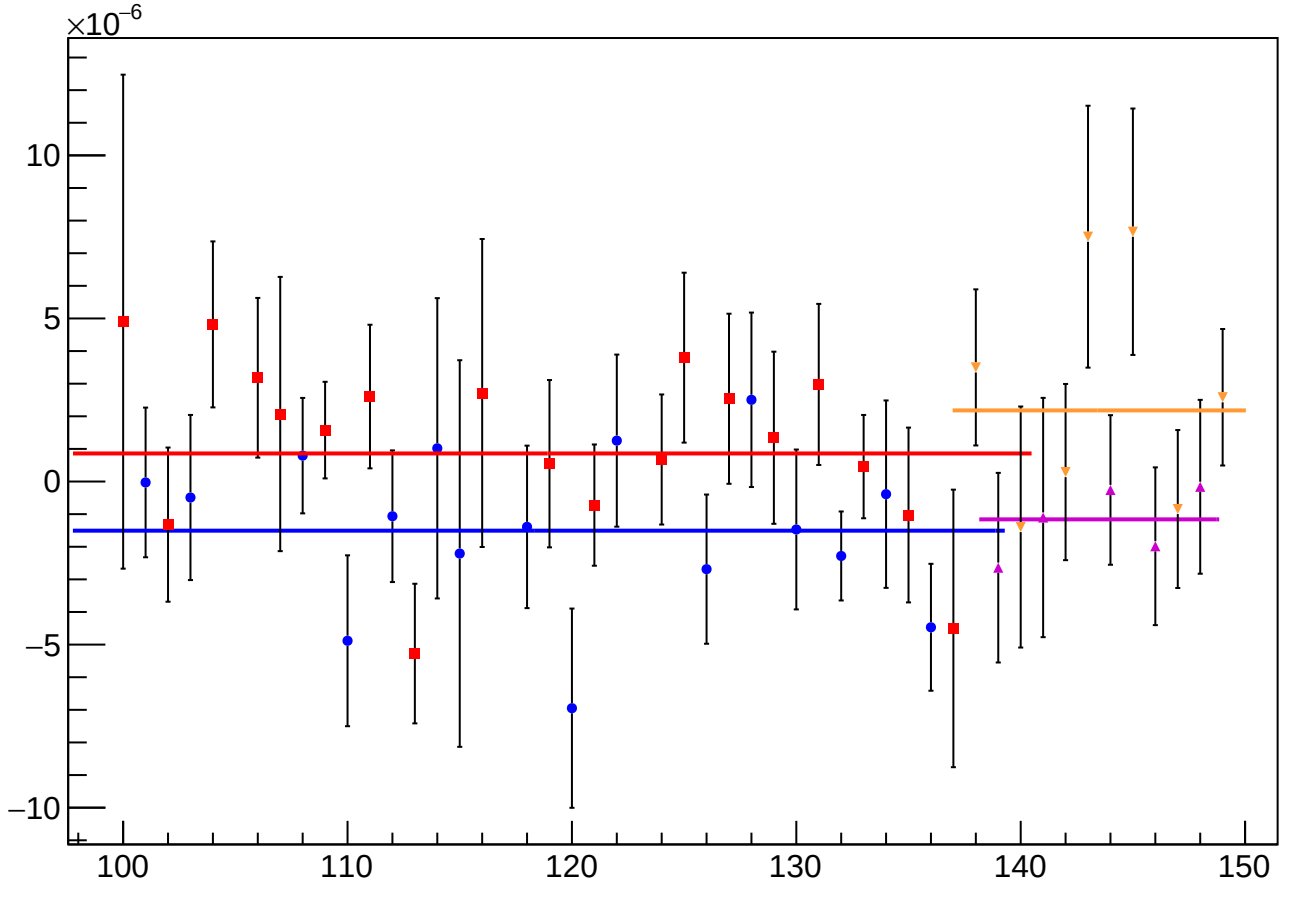
Left: 61.409+/-0.014 χ^2/NDF: 613386.9/11

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 44.182+/-0.010 χ^2/NDF:2762636.4/20

Out: 42.417+/-0.009 χ^2/NDF:3582540.7/25

All: 43.235+/-0.007 χ^2/NDF: 6361720.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/4

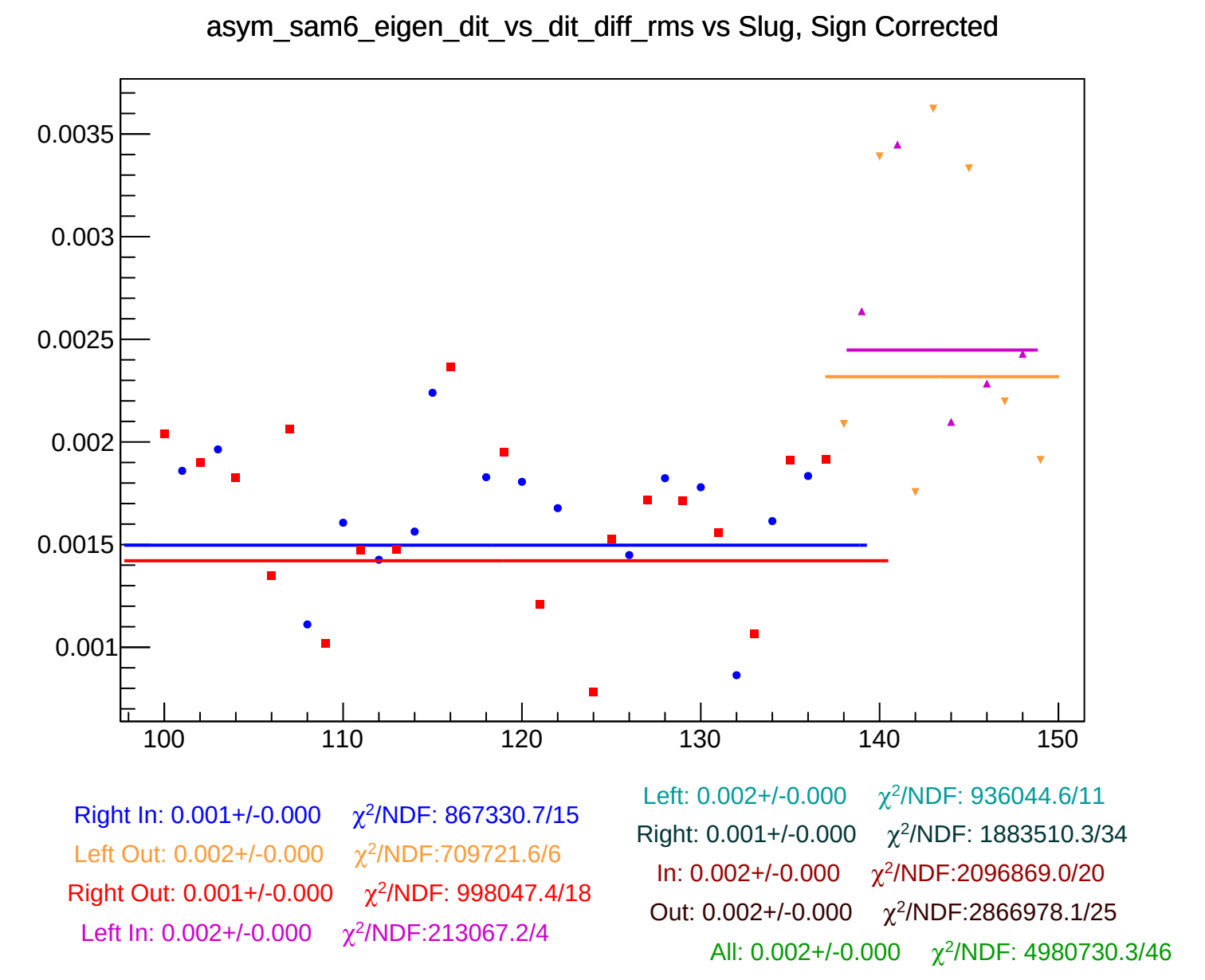
Left: 0.000+/-0.000 χ^2/NDF: 12.3/11

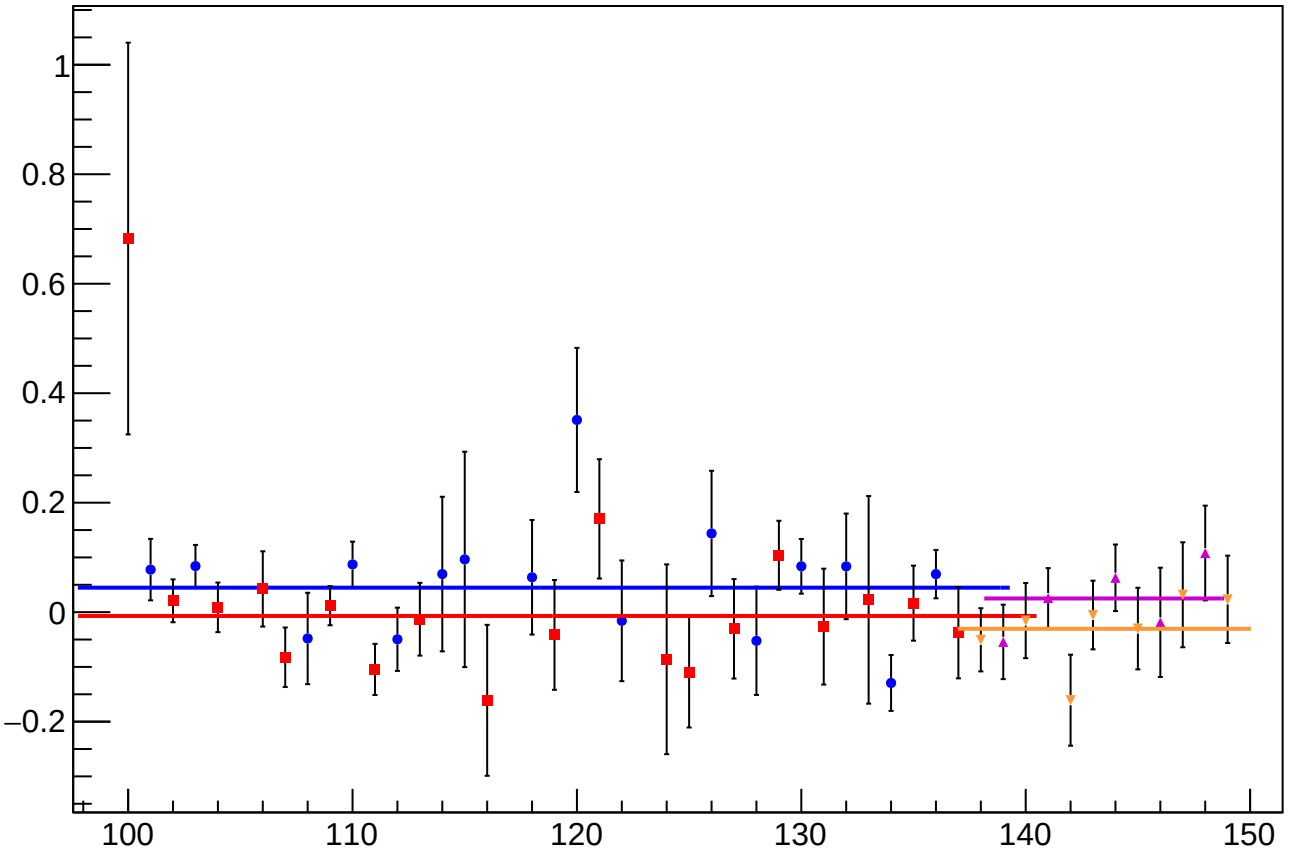
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:14.6/20

Out: 0.000+/-0.000 χ^2/NDF:27.6/25

All: -0.000+/-0.000 χ^2/NDF: 55.4/46


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:709721.6/6
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: 936044.6/11
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:2866978.1/25
All: 0.002+/-0.000 χ²/NDF: 4980730.3/46



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

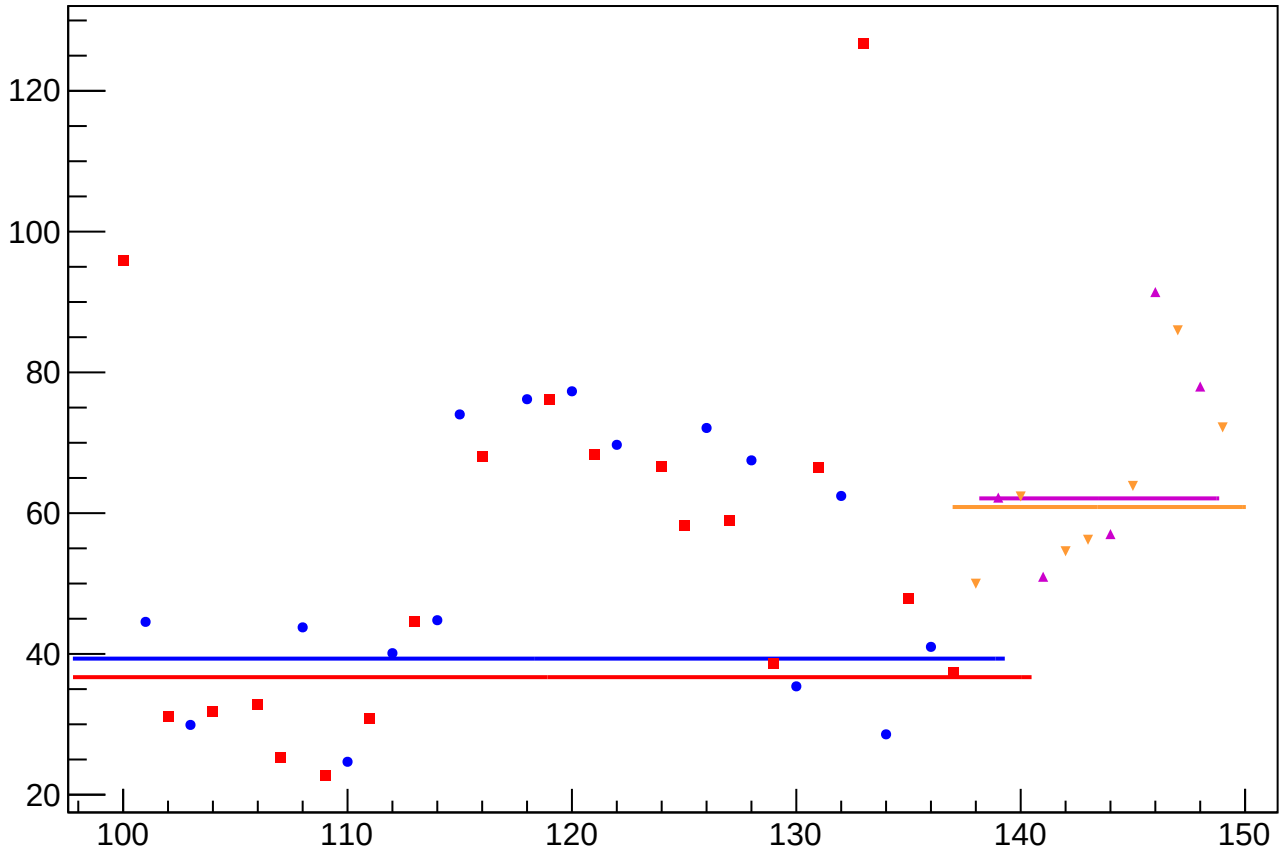
Left: -0.006+/-0.020 χ^2/NDF: 8.3/11

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.012+/-0.013 χ^2/NDF:24.4/25

All: 0.012+/-0.010 χ^2/NDF: 61.7/46



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 60.871+/-0.019 χ^2/NDF:275222.7/6

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: 61.408+/-0.014 χ^2/NDF: 613387.7/11

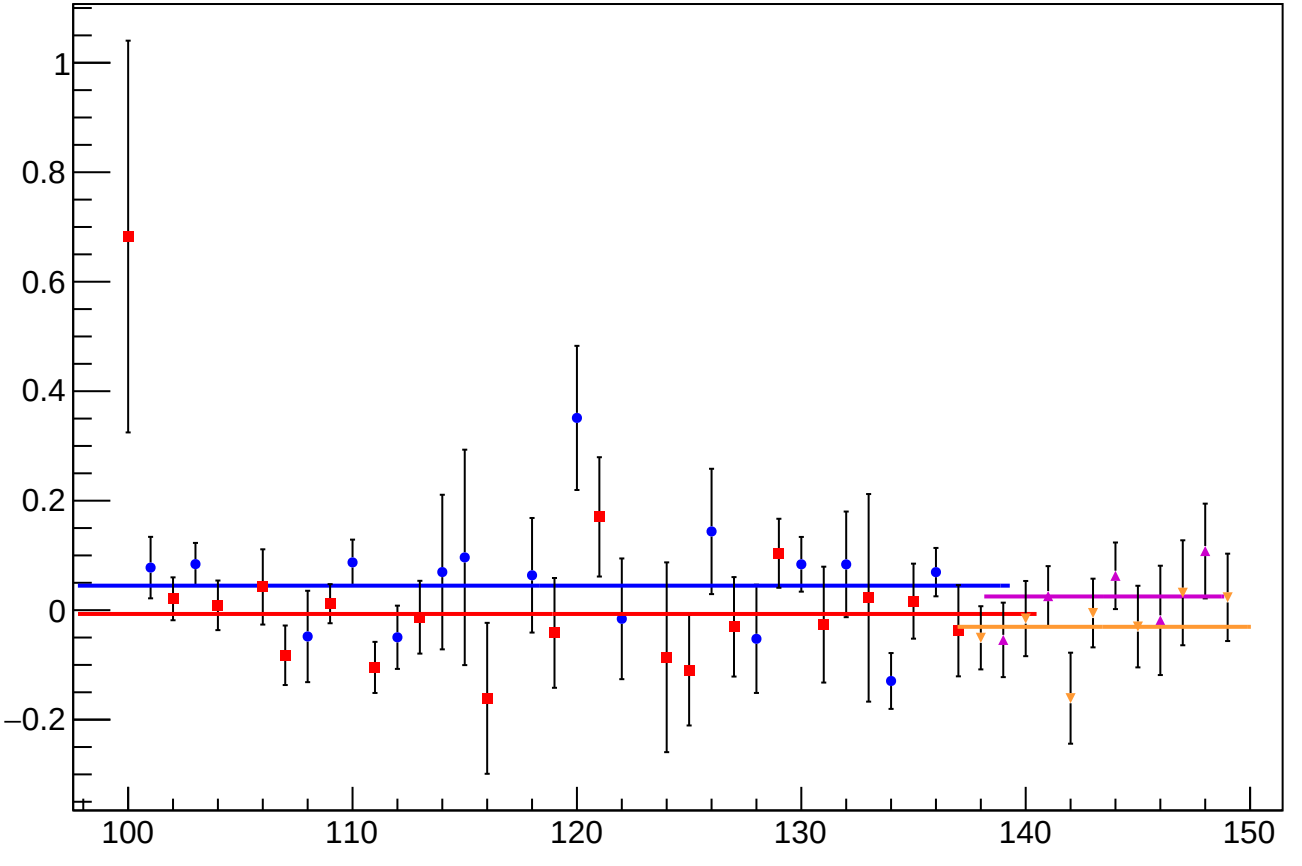
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 44.181+/-0.010 χ^2/NDF:2762674.3/20

Out: 42.417+/-0.009 χ^2/NDF:3582508.5/25

All: 43.234+/-0.007 χ^2/NDF: 6361721.4/46

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: -0.030+/-0.027 χ^2/NDF:3.7/6

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.025+/-0.031 χ^2/NDF:2.9/4

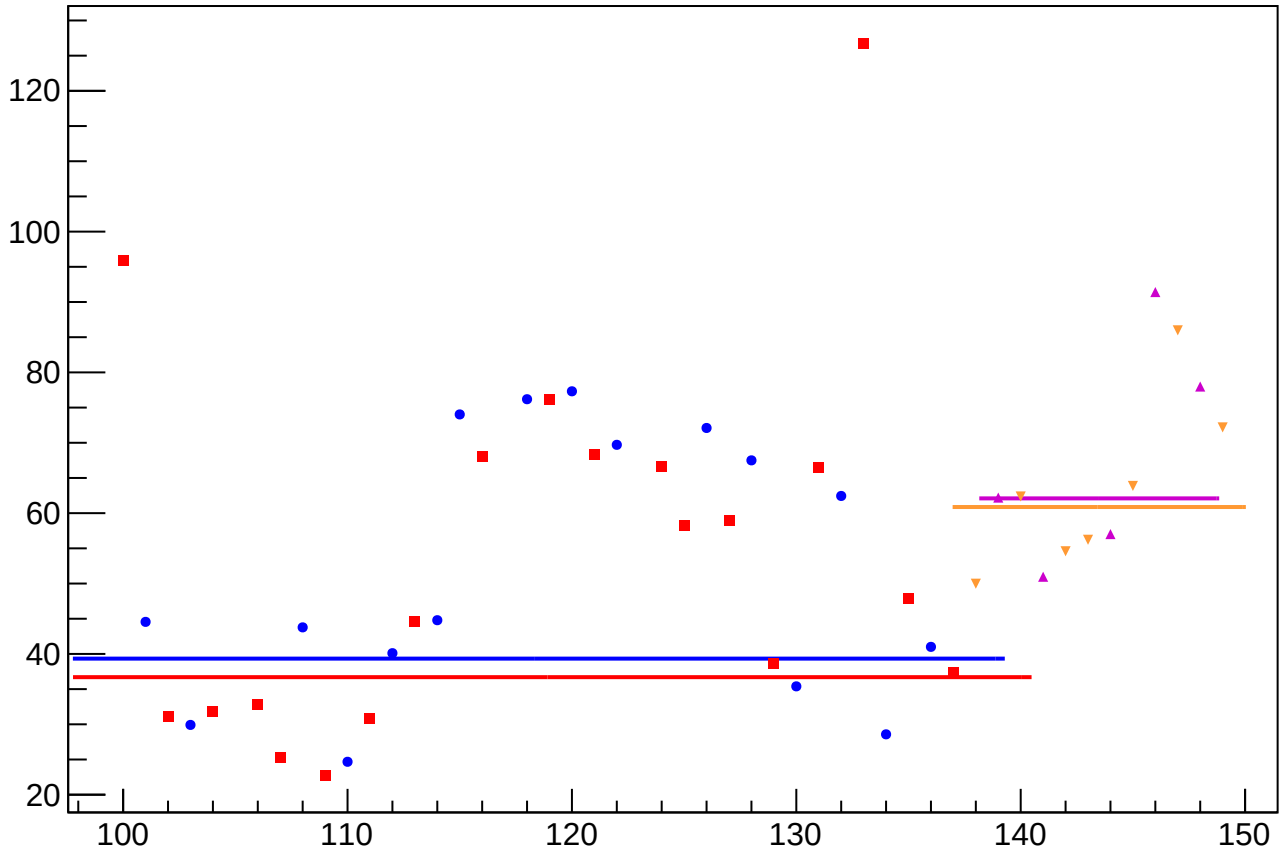
Left: -0.006+/-0.020 χ^2/NDF: 8.3/11

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.041+/-0.014 χ^2/NDF:29.8/20

Out: -0.012+/-0.013 χ^2/NDF:24.4/25

All: 0.012+/-0.010 χ^2/NDF: 61.7/46



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 60.871+/-0.019 χ^2/NDF:275222.7/6

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 62.099+/-0.022 χ^2/NDF:336376.6/4

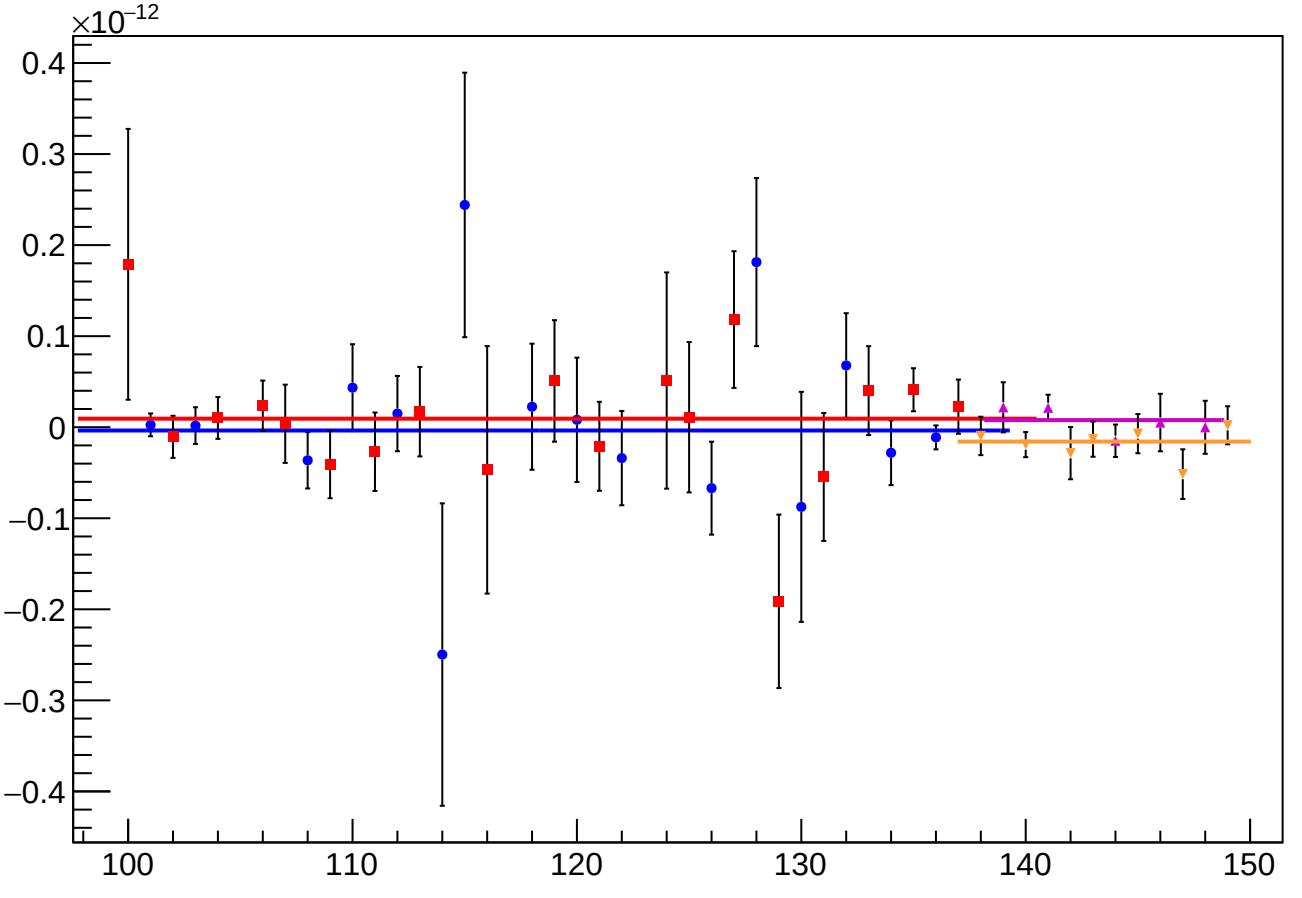
Left: 61.408+/-0.014 χ^2/NDF: 613387.7/11

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 44.181+/-0.010 χ^2/NDF:2762674.3/20

Out: 42.417+/-0.009 χ^2/NDF:3582508.5/25

All: 43.234+/-0.007 χ^2/NDF: 6361721.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/4

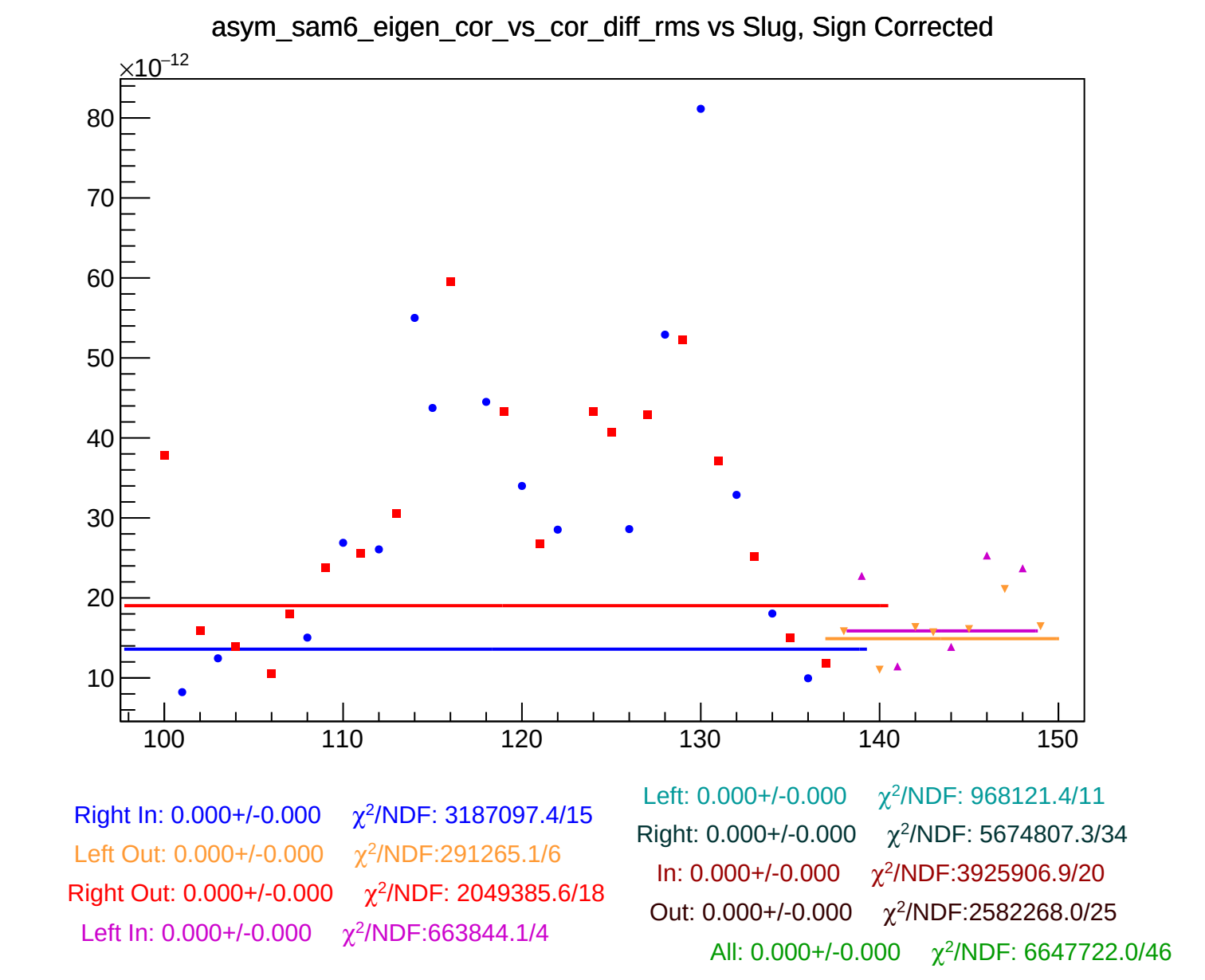
Left: -0.000+/-0.000 χ^2/NDF: 9.7/11

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

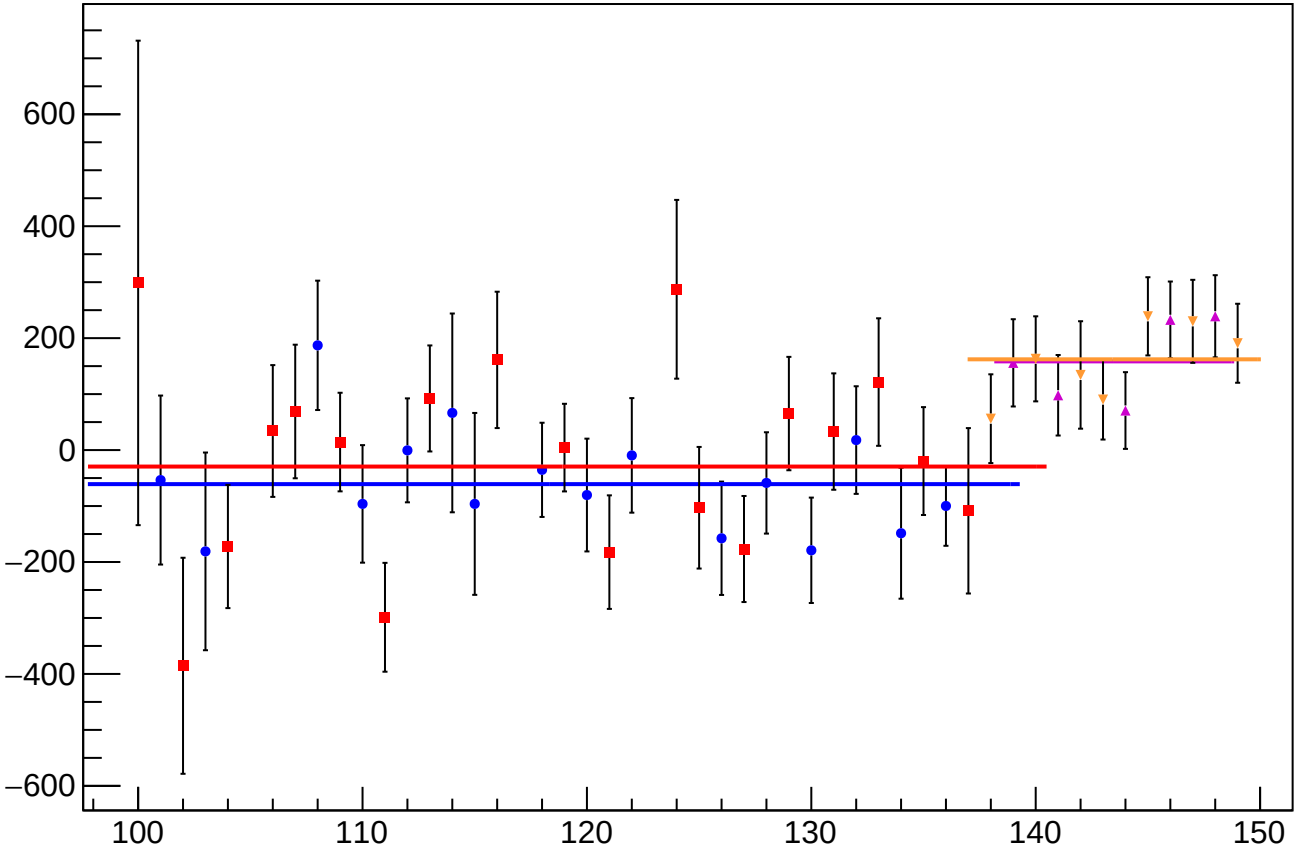
In: 0.000+/-0.000 χ^2/NDF:20.4/20

Out: -0.000+/-0.000 χ^2/NDF:23.2/25

All: -0.000+/-0.000 χ^2/NDF: 44.1/46


asym_sam6_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: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:291265.1/6
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:663844.1/4
Left: 0.000+/-0.000 χ²/NDF: 968121.4/11
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:3925906.9/20
Out: 0.000+/-0.000 χ²/NDF:2582268.0/25
All: 0.000+/-0.000 χ²/NDF: 6647722.0/46

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 162.147+/-28.577 χ^2/NDF:5.1/6

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: 160.527+/-21.348 χ^2/NDF: 9.8/11

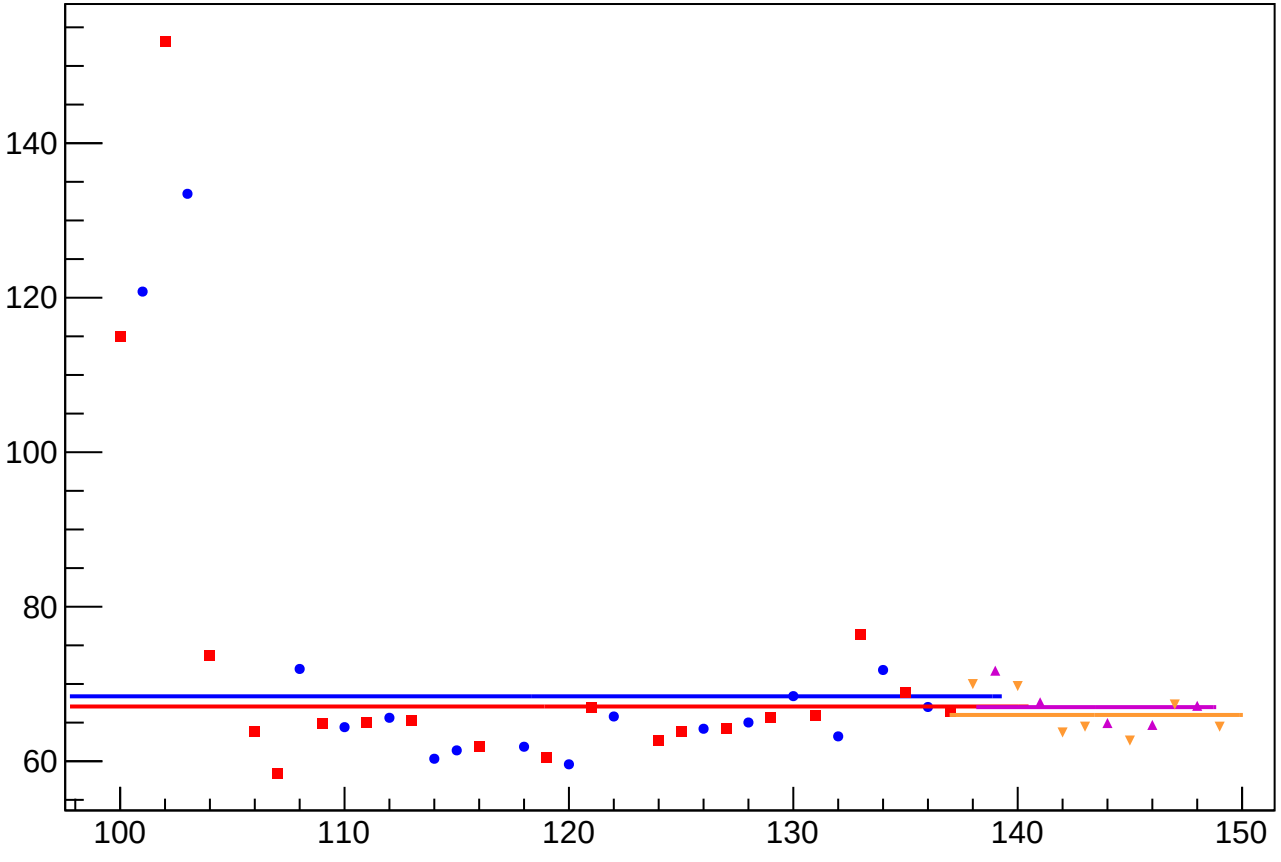
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 26.222+/-20.232 χ^2/NDF:43.4/20

Out: 54.008+/-18.861 χ^2/NDF:61.7/25

All: 41.088+/-13.796 χ^2/NDF: 106.1/46

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 65.991+/-0.020 χ^2/NDF:18031.1/6

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

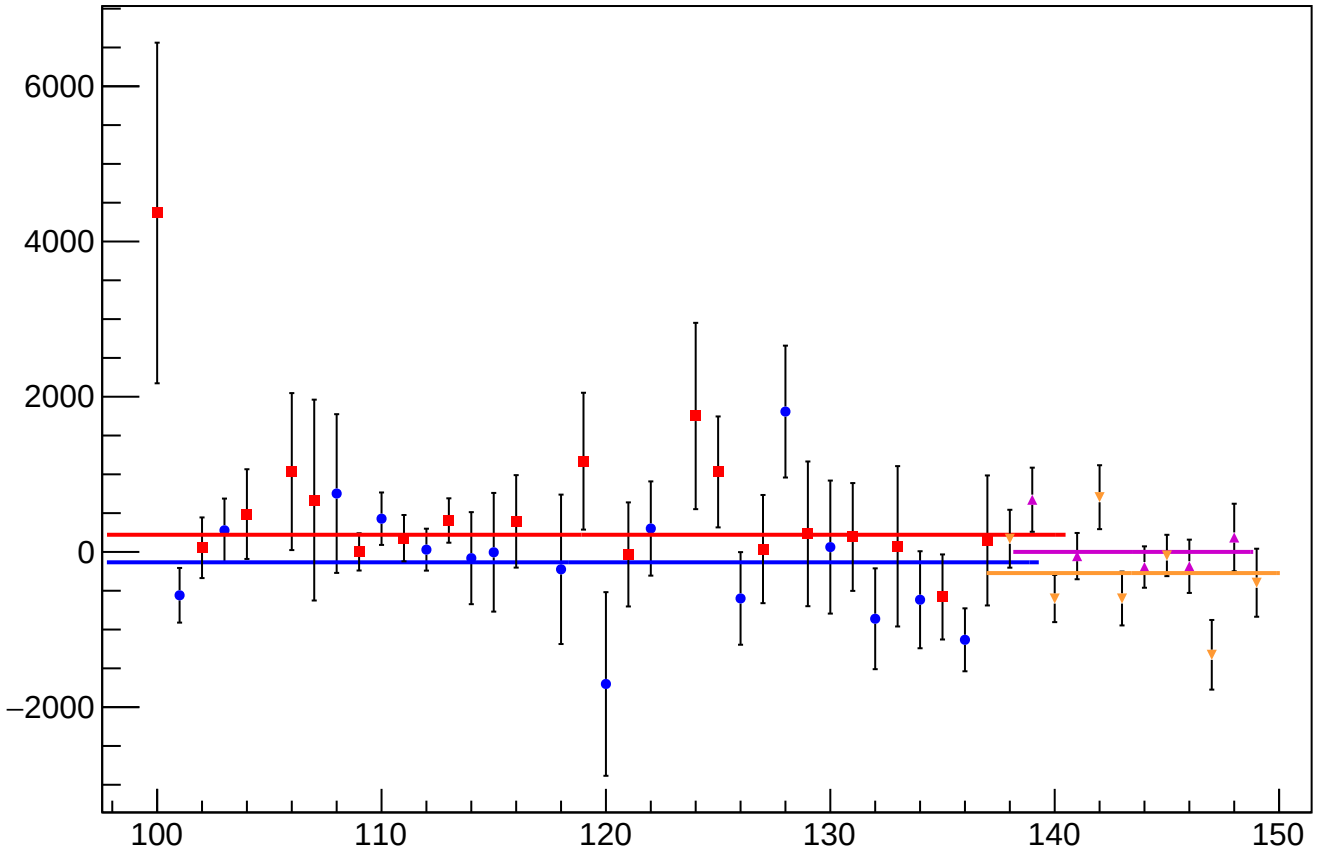
Left: 66.439+/-0.015 χ^2/NDF: 30699.1/11

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.848+/-0.014 χ^2/NDF:583401.5/20

Out: 66.609+/-0.013 χ^2/NDF:501501.7/25

All: 67.185+/-0.010 χ^2/NDF: 1088916.8/46



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.301+/-133.061 χ^2/NDF:15.4/6

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 0.354+/-149.173 χ^2/NDF:3.7/4

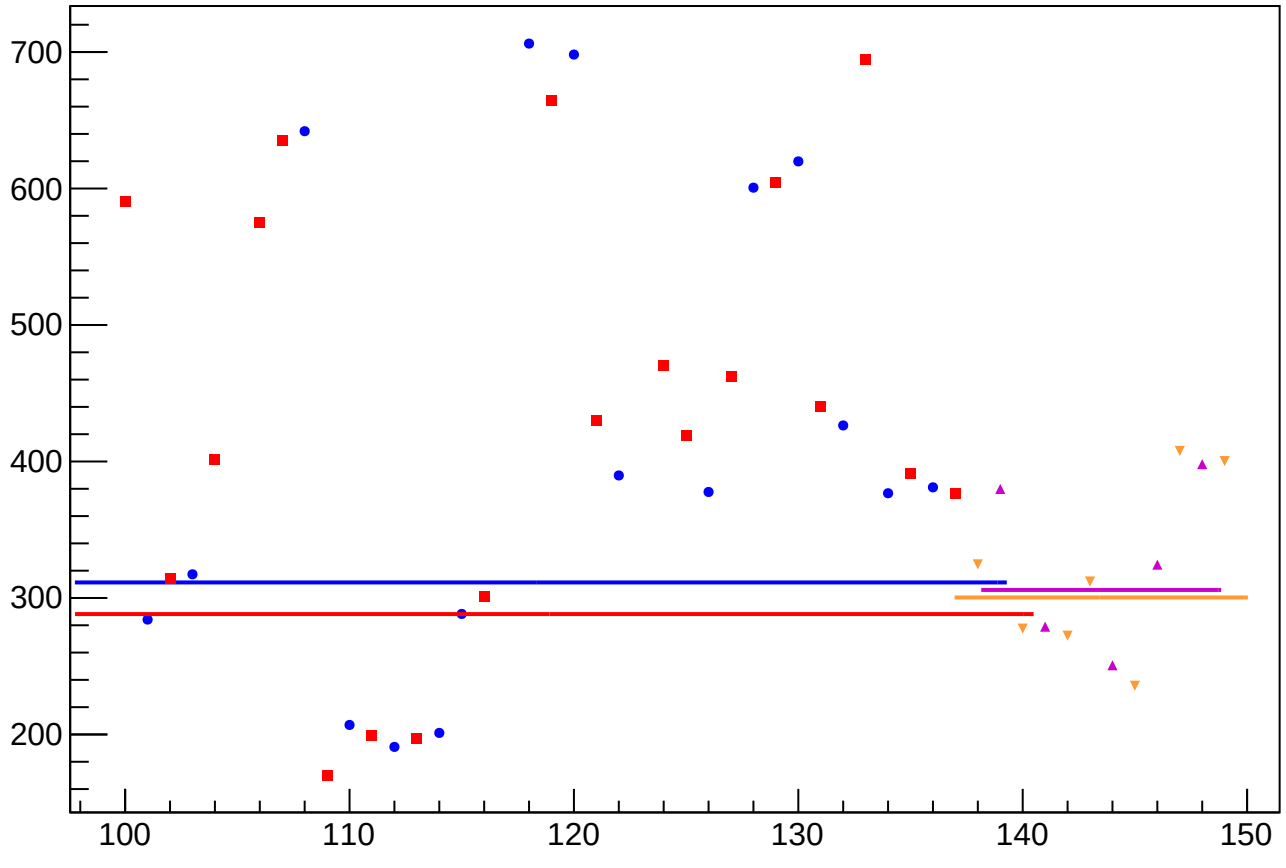
Left: -151.488+/-99.298 χ^2/NDF: 21.0/11

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -77.868+/-96.215 χ^2/NDF:26.6/20

Out: 4.465+/-88.194 χ^2/NDF:35.7/25

All: -33.127+/-65.013 χ^2/NDF: 62.7/46



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 300.374+/-0.094 χ^2/NDF:367801.9/6

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: 302.819+/-0.070 χ^2/NDF: 631080.8/11

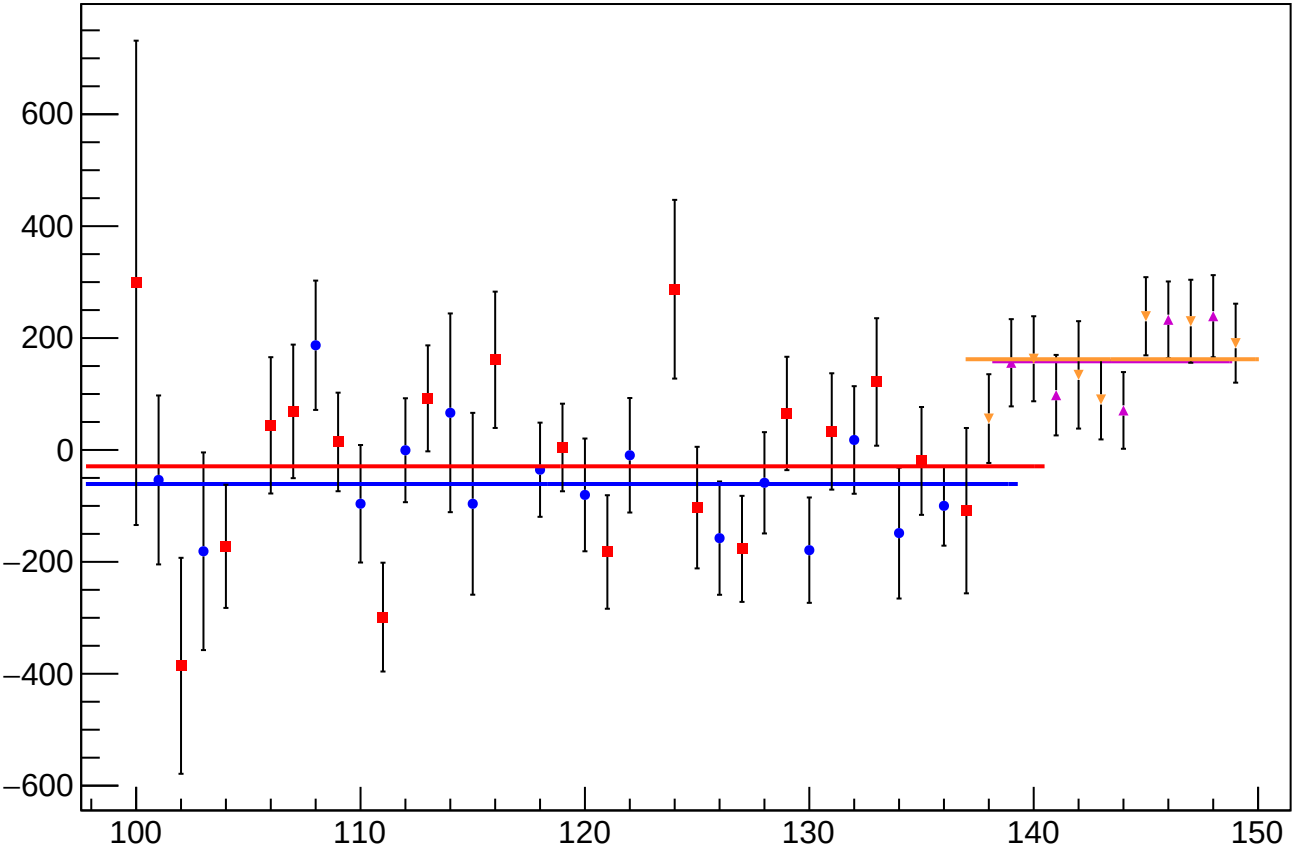
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 309.100+/-0.068 χ^2/NDF:2387137.4/20

Out: 293.551+/-0.062 χ^2/NDF:3092561.6/25

All: 300.651+/-0.046 χ^2/NDF: 5508085.0/46

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 162.150+/-28.577 χ^2/NDF:5.1/6

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: 160.527+/-21.348 χ^2/NDF: 9.8/11

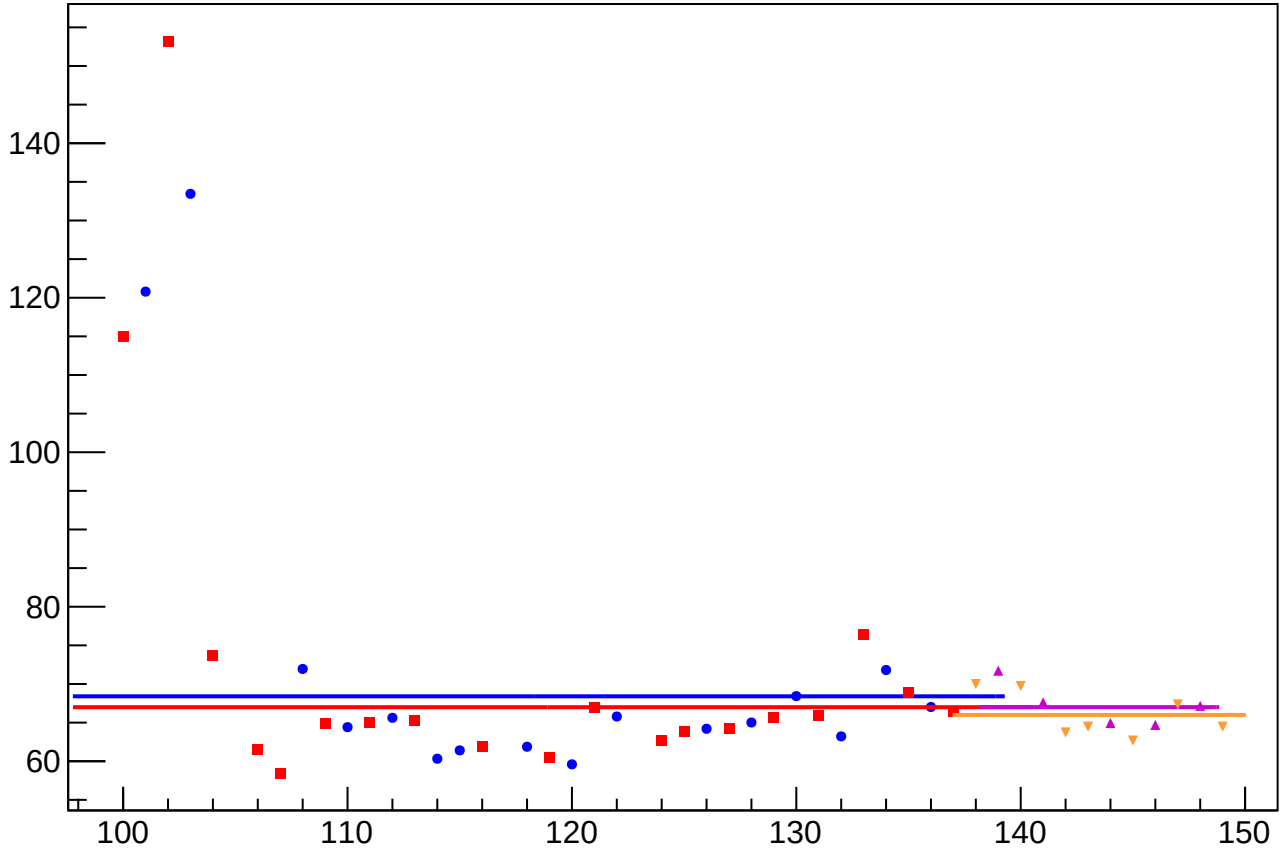
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 26.219+/-20.232 χ^2/NDF:43.4/20

Out: 54.281+/-18.877 χ^2/NDF:61.7/25

All: 41.221+/-13.802 χ^2/NDF: 106.1/46

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.991+/-0.020 χ^2/NDF:18031.1/6

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

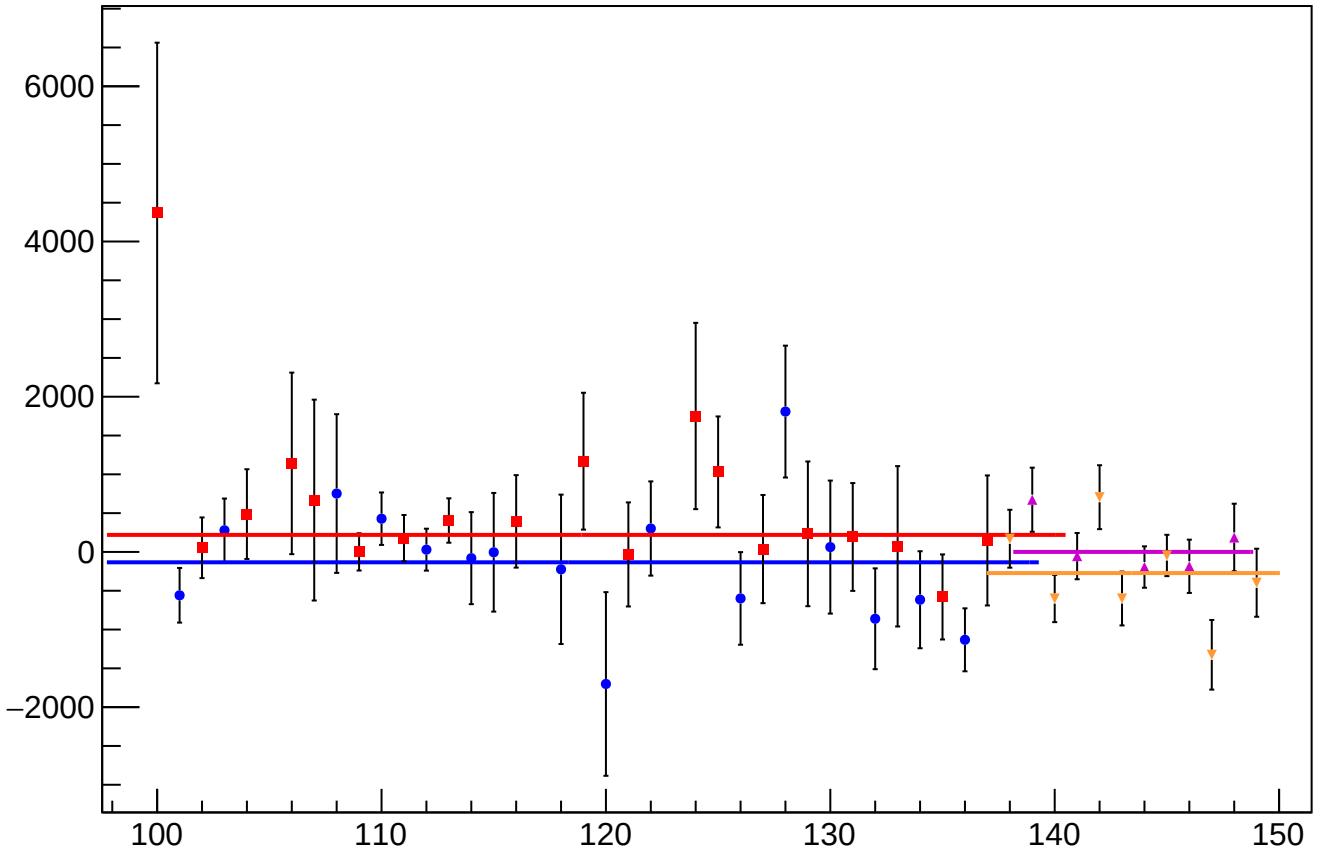
Left: 66.439+/-0.015 χ^2/NDF: 30699.1/11

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.848+/-0.014 χ^2/NDF:583401.8/20

Out: 66.557+/-0.013 χ^2/NDF:503908.3/25

All: 67.158+/-0.010 χ^2/NDF: 1091665.4/46



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -272.298+/-133.060 χ^2/NDF:15.4/6

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 0.349+/-149.173 χ^2/NDF:3.7/4

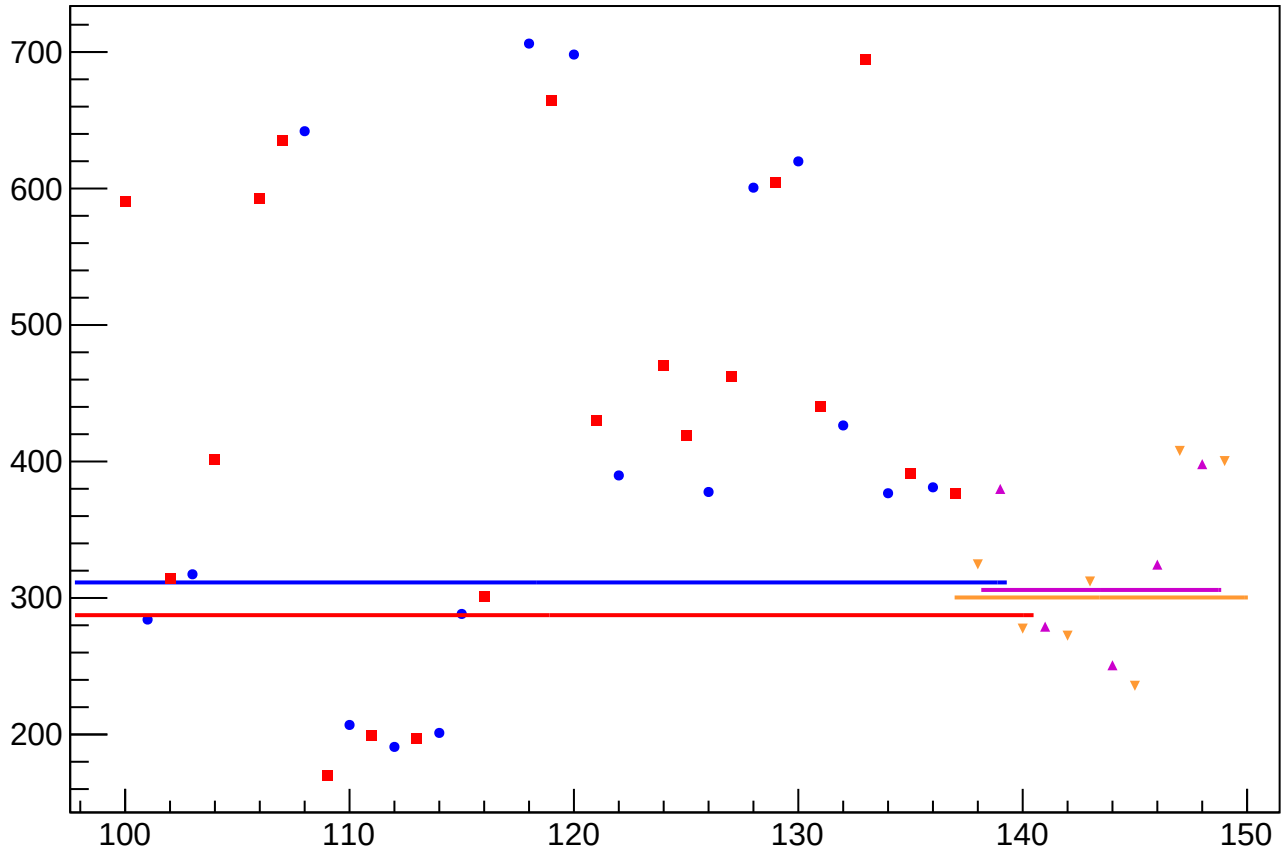
Left: -151.489+/-99.298 χ^2/NDF: 21.0/11

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -77.868+/-96.215 χ^2/NDF:26.6/20

Out: 3.083+/-88.281 χ^2/NDF:35.6/25

All: -33.918+/-65.048 χ^2/NDF: 62.6/46



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 300.374+/-0.094 χ^2/NDF:367802.0/6

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 305.892+/-0.105 χ^2/NDF:261753.7/4

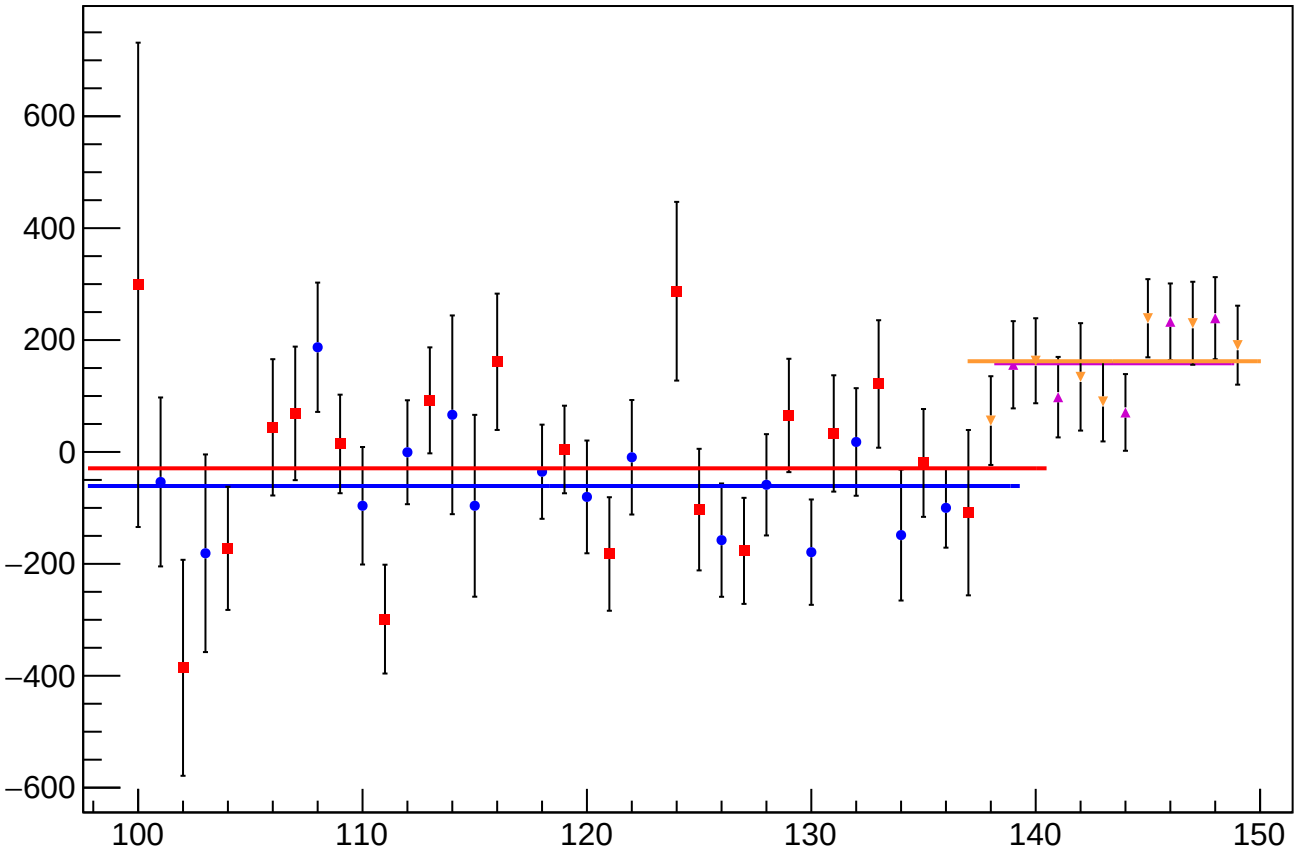
Left: 302.819+/-0.070 χ^2/NDF: 631079.8/11

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 309.102+/-0.068 χ^2/NDF:2387138.5/20

Out: 293.118+/-0.062 χ^2/NDF:3068682.4/25

All: 300.424+/-0.046 χ^2/NDF: 5485786.6/46



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 162.150+/-28.577 χ^2/NDF:5.1/6

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: 160.527+/-21.348 χ^2/NDF: 9.8/11

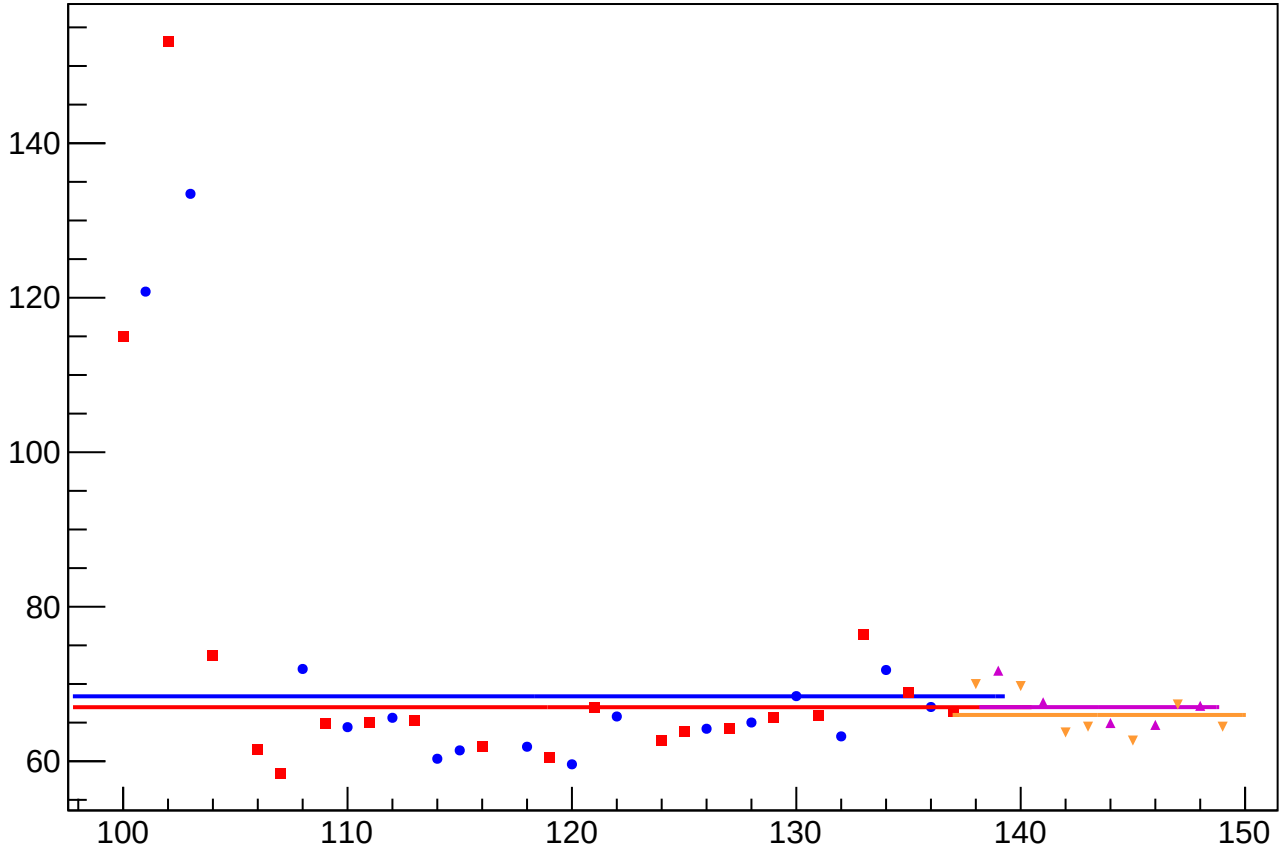
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 26.219+/-20.232 χ^2/NDF:43.4/20

Out: 54.281+/-18.877 χ^2/NDF:61.7/25

All: 41.221+/-13.802 χ^2/NDF: 106.1/46

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.991+/-0.020 χ^2/NDF:18031.1/6

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 67.005+/-0.023 χ^2/NDF:11556.3/4

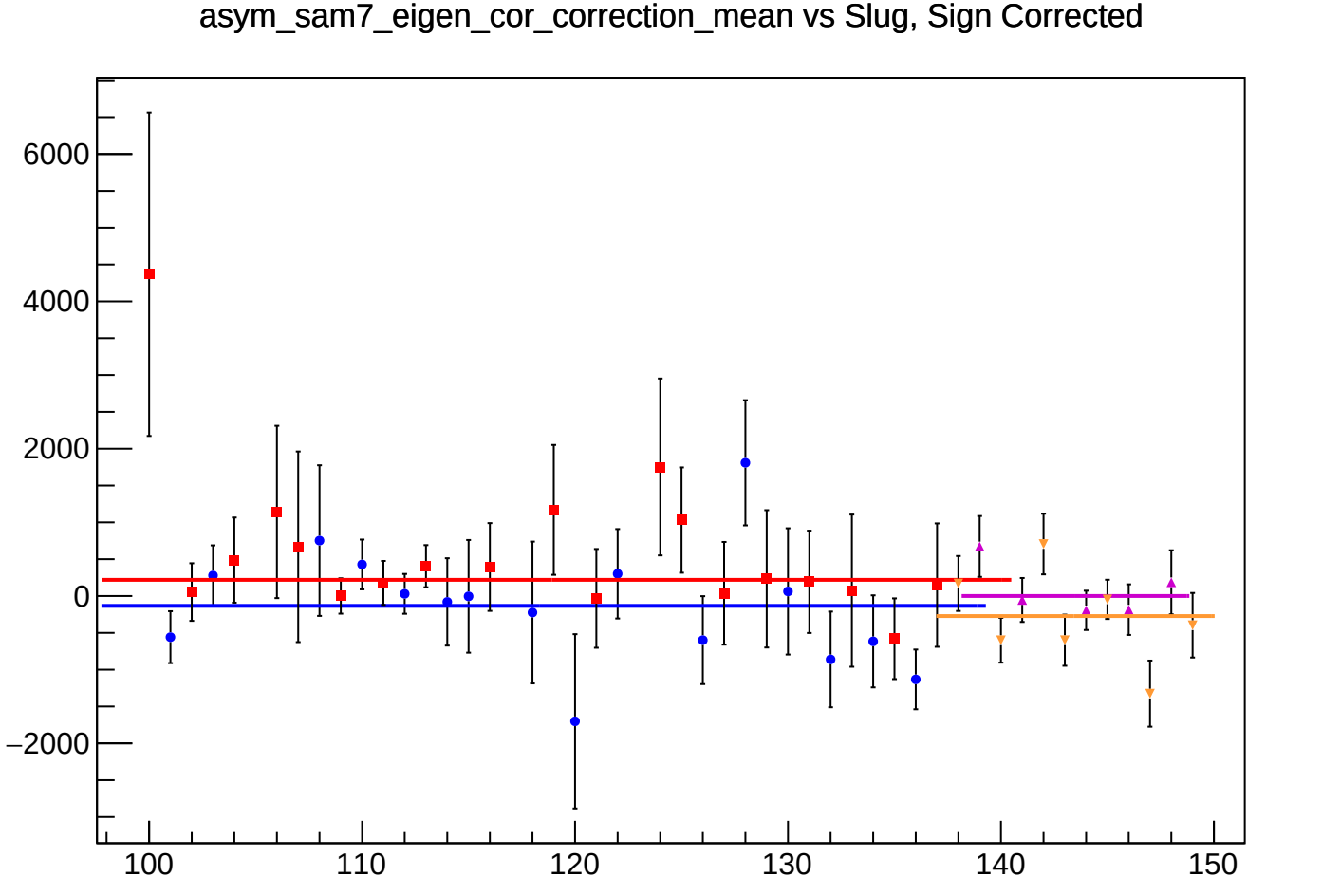
Left: 66.439+/-0.015 χ^2/NDF: 30699.1/11

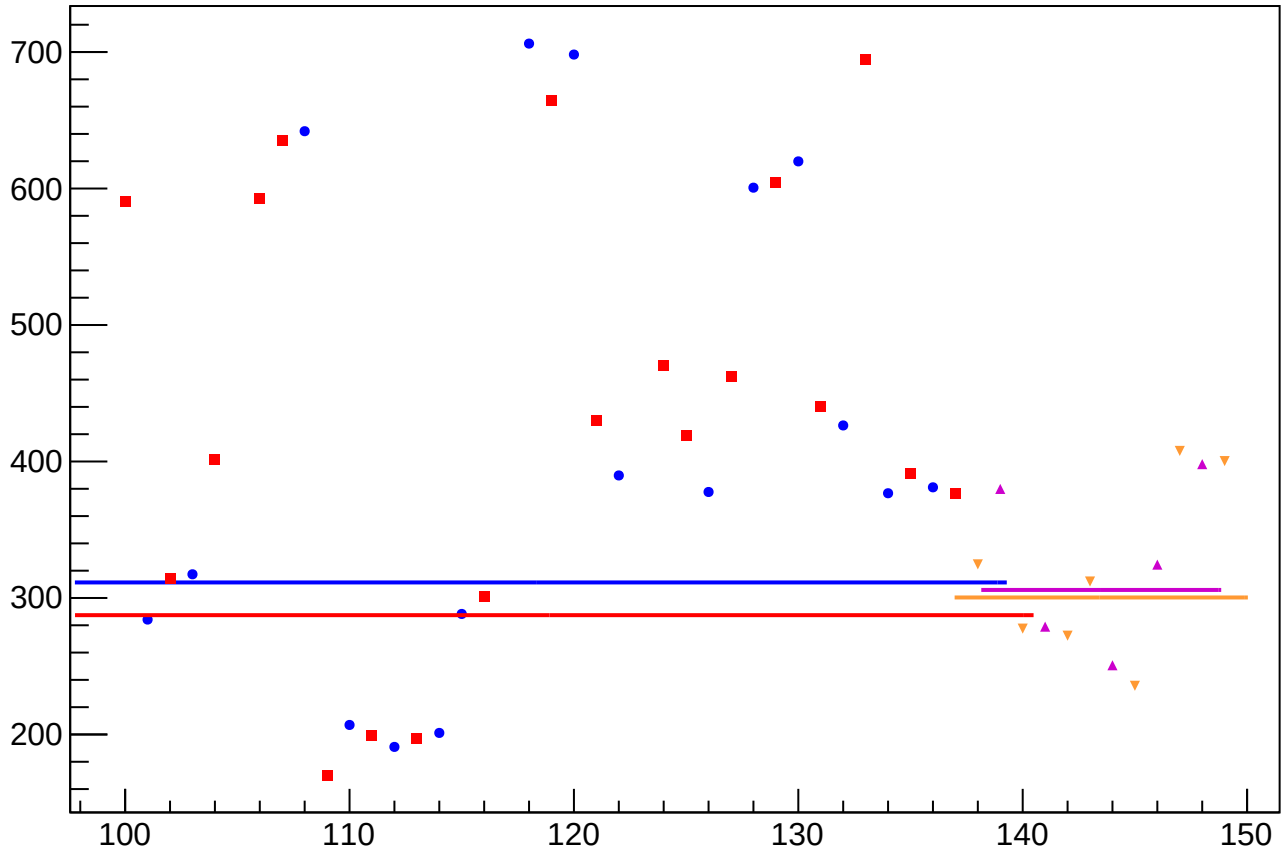
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.848+/-0.014 χ^2/NDF:583401.8/20

Out: 66.557+/-0.013 χ^2/NDF:503908.3/25

All: 67.158+/-0.010 χ^2/NDF: 1091665.4/46


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: -133.587+/-125.904 χ²/NDF: 22.5/15
Left Out: -272.298+/-133.060 χ²/NDF:15.4/6
Right Out: 219.615+/-117.989 χ²/NDF: 12.5/18
Left In: 0.349+/-149.173 χ²/NDF:3.7/4
Left: -151.489+/-99.298 χ²/NDF: 21.0/11
Right: 54.464+/-86.093 χ²/NDF: 39.2/34
In: -77.868+/-96.215 χ²/NDF:26.6/20
Out: 3.083+/-88.281 χ²/NDF:35.6/25
All: -33.918+/-65.048 χ²/NDF: 62.6/46



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 300.374+/-0.094 χ^2/NDF:367802.0/6

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: 302.819+/-0.070 χ^2/NDF: 631079.8/11

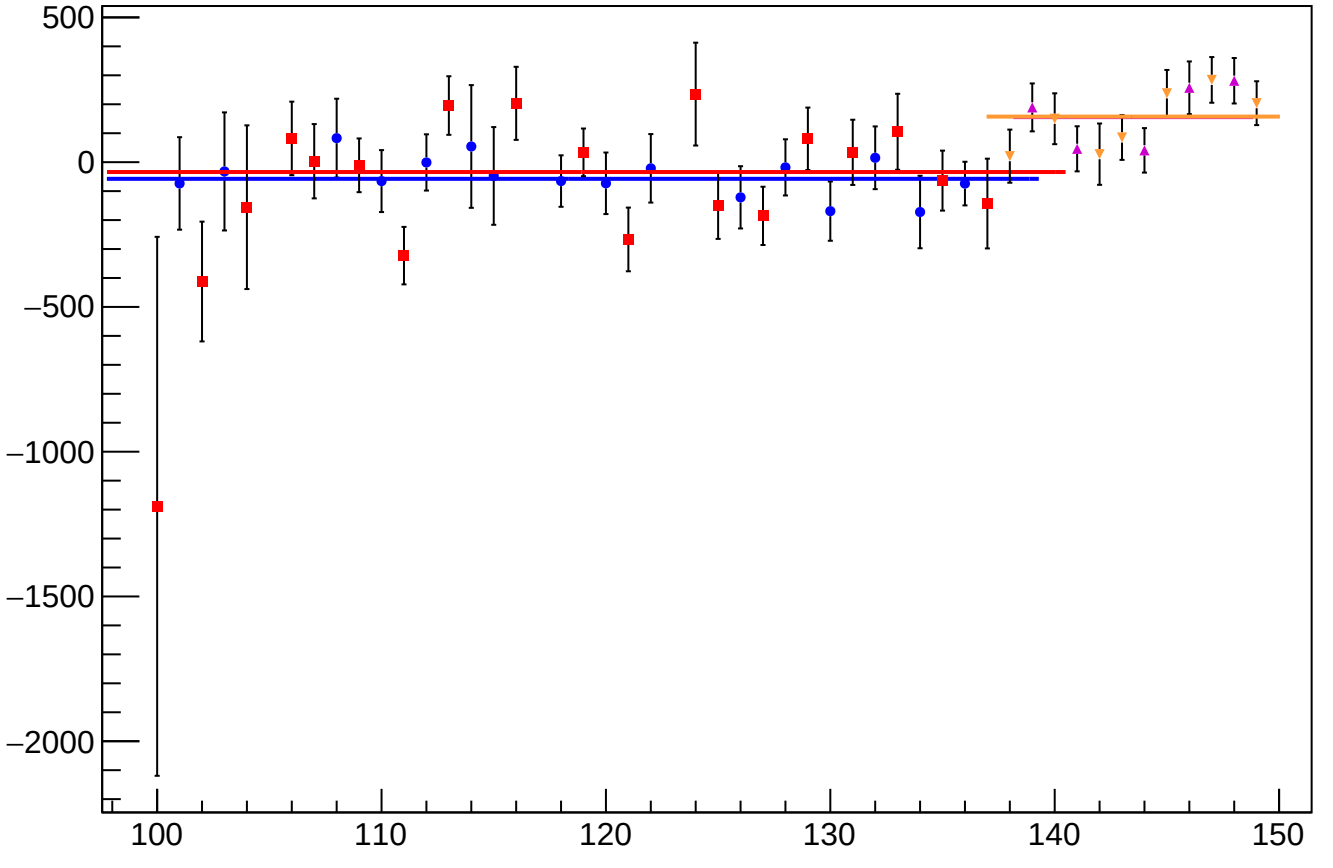
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 309.102+/-0.068 χ^2/NDF:2387138.5/20

Out: 293.118+/-0.062 χ^2/NDF:3068682.4/25

All: 300.424+/-0.046 χ^2/NDF: 5485786.6/46

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 157.354+/-31.733 χ^2/NDF:8.5/6

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: 156.599+/-23.862 χ^2/NDF: 16.7/11

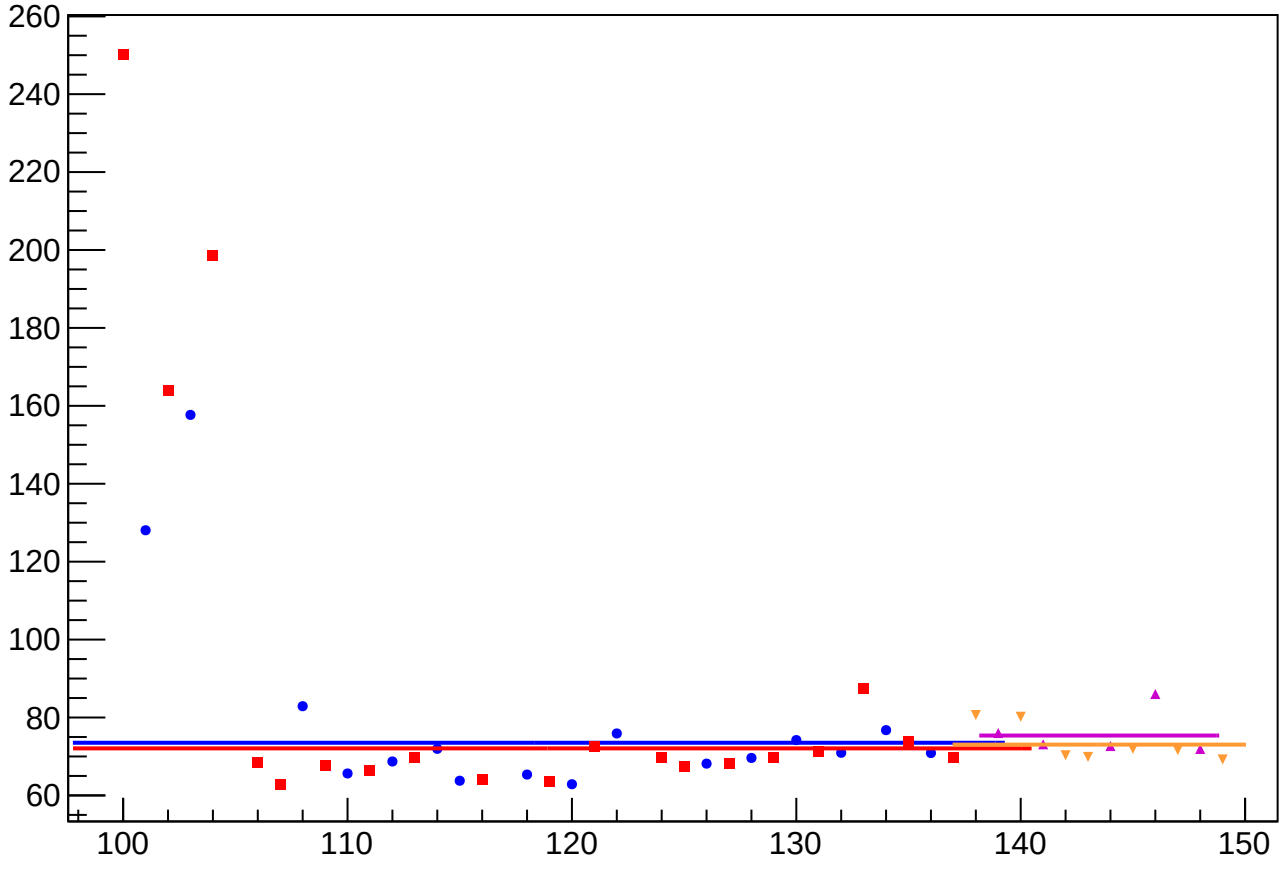
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 22.574+/-22.190 χ^2/NDF:34.7/20

Out: 47.704+/-20.738 χ^2/NDF:66.5/25

All: 35.988+/-15.151 χ^2/NDF: 101.9/46

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 73.043+/-0.022 χ^2/NDF:37648.1/6

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 75.371+/-0.026 χ^2/NDF:35533.0/4

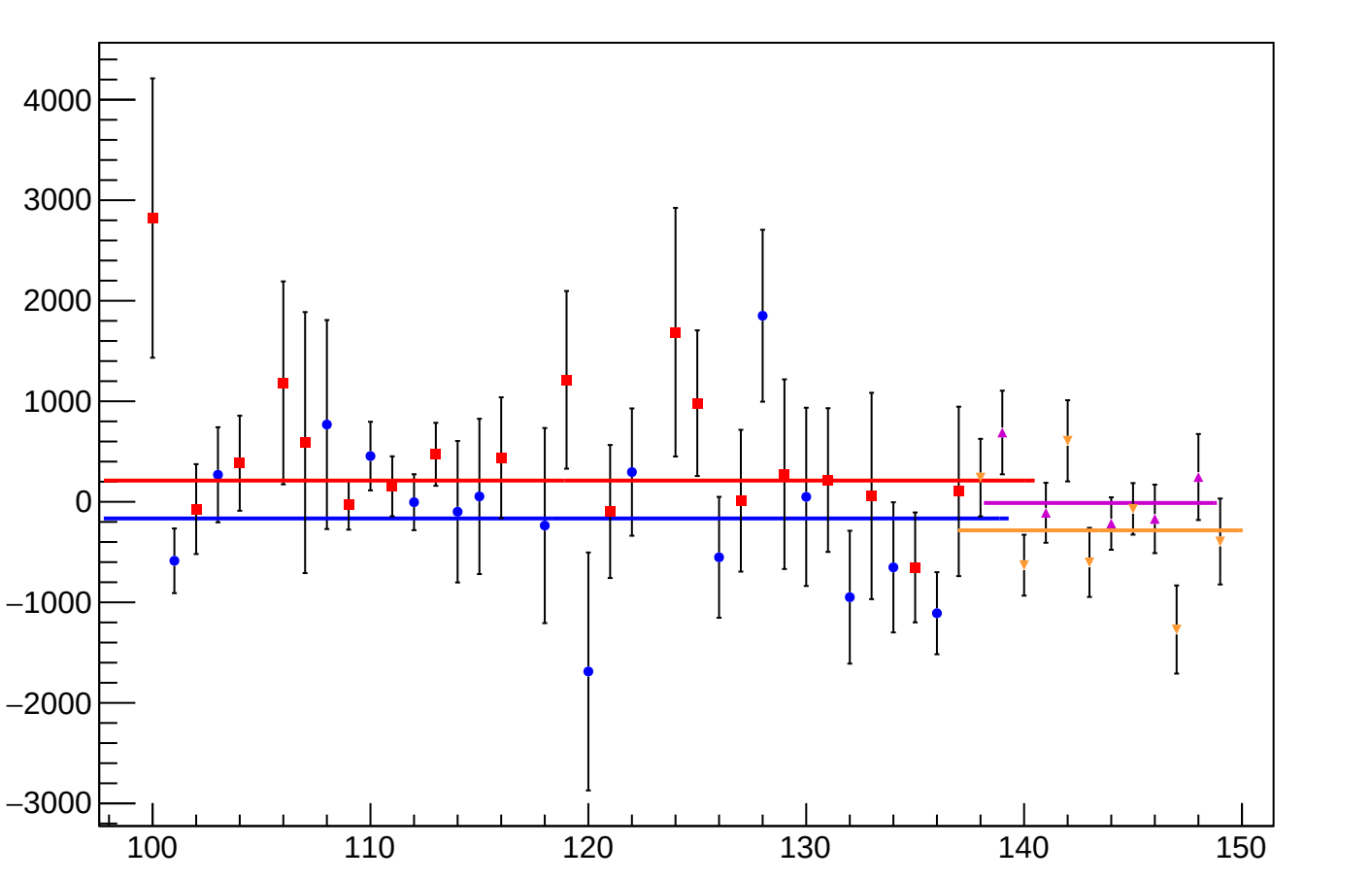
Left: 74.055+/-0.017 χ^2/NDF: 77860.6/11

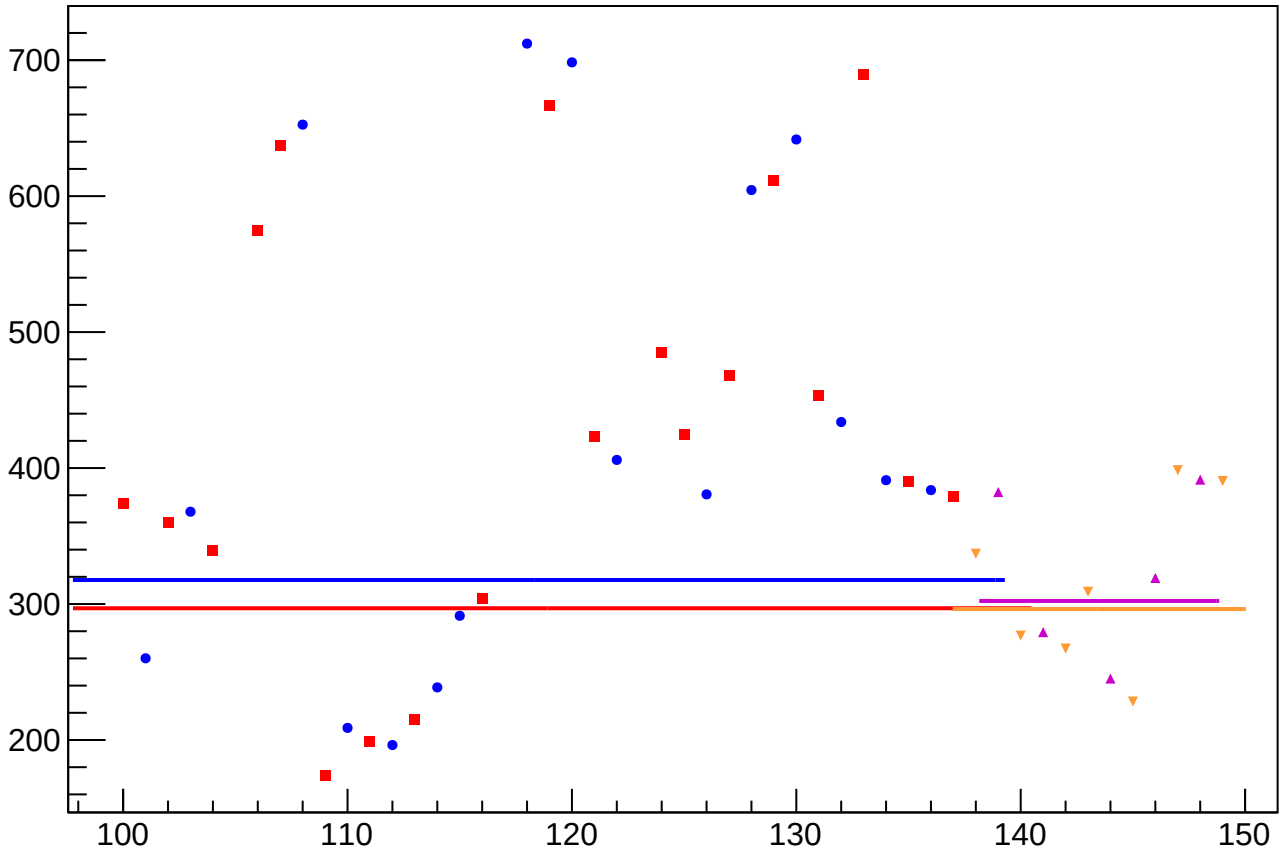
Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 74.215+/-0.016 χ^2/NDF:695649.9/20

Out: 72.488+/-0.015 χ^2/NDF:997211.5/25

All: 73.293+/-0.011 χ^2/NDF: 1699330.9/46


asym_sam7_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
Right In: -165.500+/-128.438 χ²/NDF: 22.6/15
Left Out: -283.743+/-131.161 χ²/NDF:14.7/6
Right Out: 211.347+/-120.122 χ²/NDF: 13.6/18
Left In: -11.540+/-147.749 χ²/NDF:4.1/4
Left: -163.773+/-98.088 χ²/NDF: 20.8/11
Right: 35.518+/-87.732 χ²/NDF: 40.8/34
In: -99.233+/-96.933 χ²/NDF:27.4/20
Out: -14.489+/-88.585 χ²/NDF:36.1/25
All: -53.055+/-65.391 χ²/NDF: 63.9/46



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 296.315+/-0.093 χ^2/NDF:390177.6/6

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 302.258+/-0.104 χ^2/NDF:273885.8/4

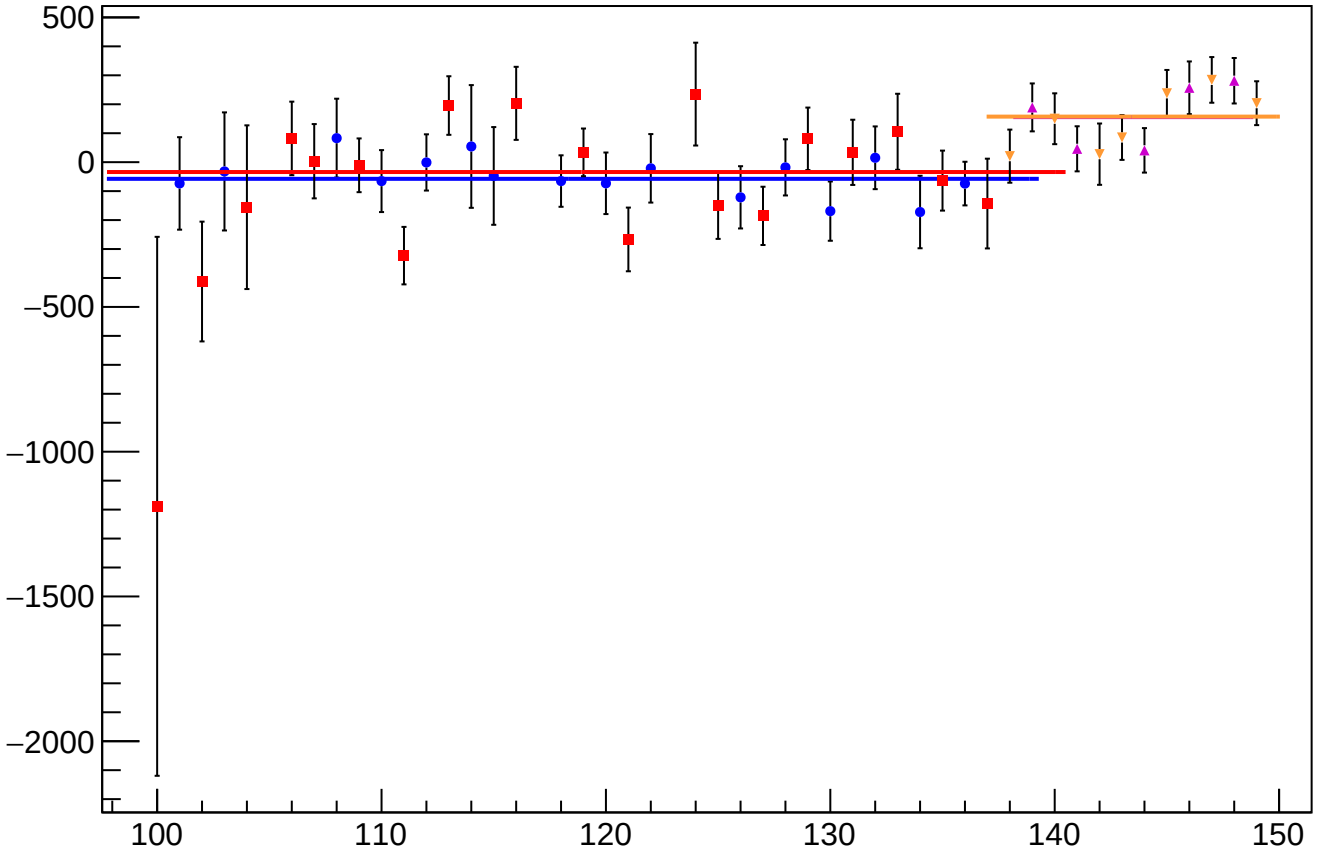
Left: 298.935+/-0.069 χ^2/NDF: 665873.0/11

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 311.033+/-0.069 χ^2/NDF:2422463.4/20

Out: 296.627+/-0.063 χ^2/NDF:2931238.5/25

All: 303.183+/-0.046 χ^2/NDF: 5377774.0/46



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 157.352+/-31.733 χ^2/NDF:8.5/6

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: 156.597+/-23.862 χ^2/NDF: 16.7/11

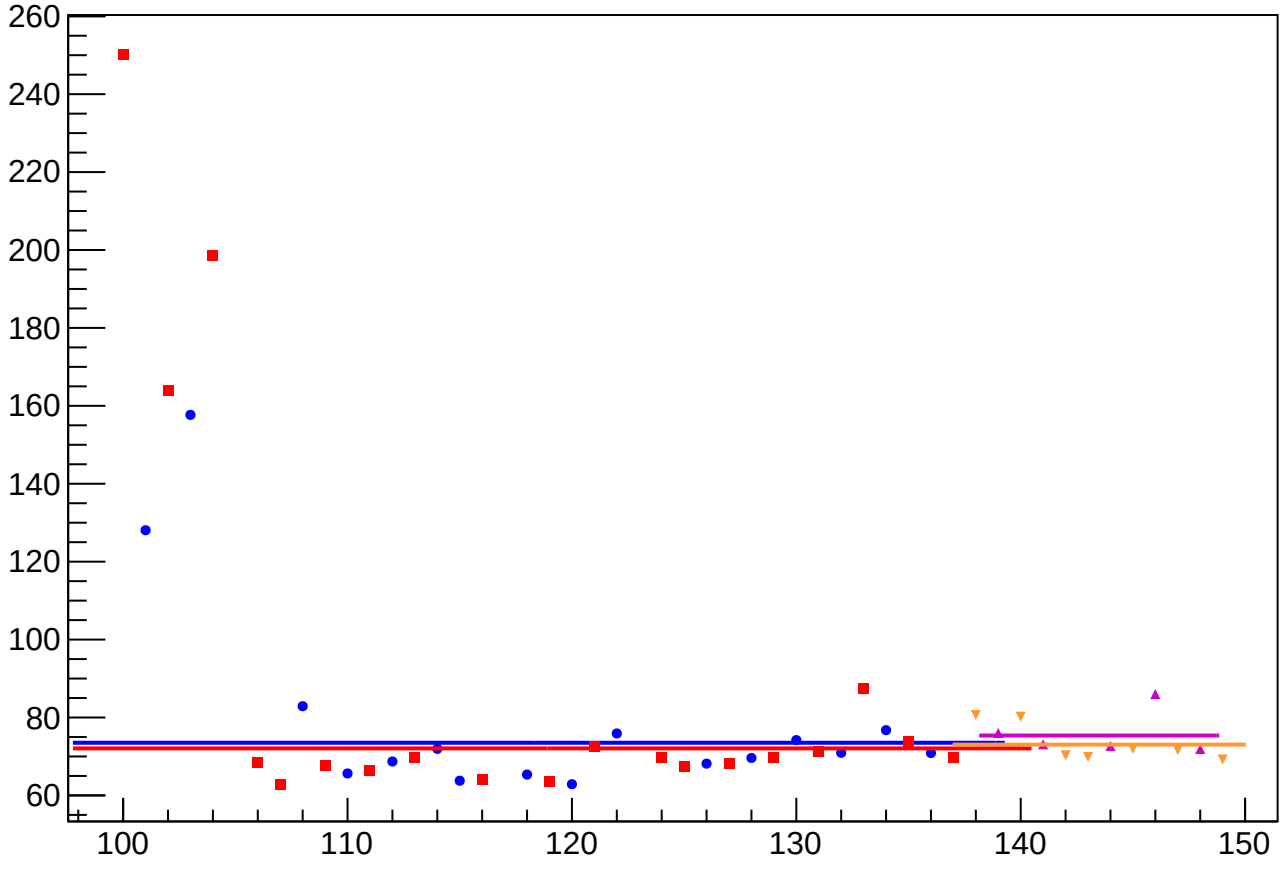
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 22.575+/-22.190 χ^2/NDF:34.7/20

Out: 47.703+/-20.738 χ^2/NDF:66.5/25

All: 35.988+/-15.151 χ^2/NDF: 101.9/46

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 73.043+/-0.022 χ^2/NDF:37647.8/6

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 75.371+/-0.026 χ^2/NDF:35533.3/4

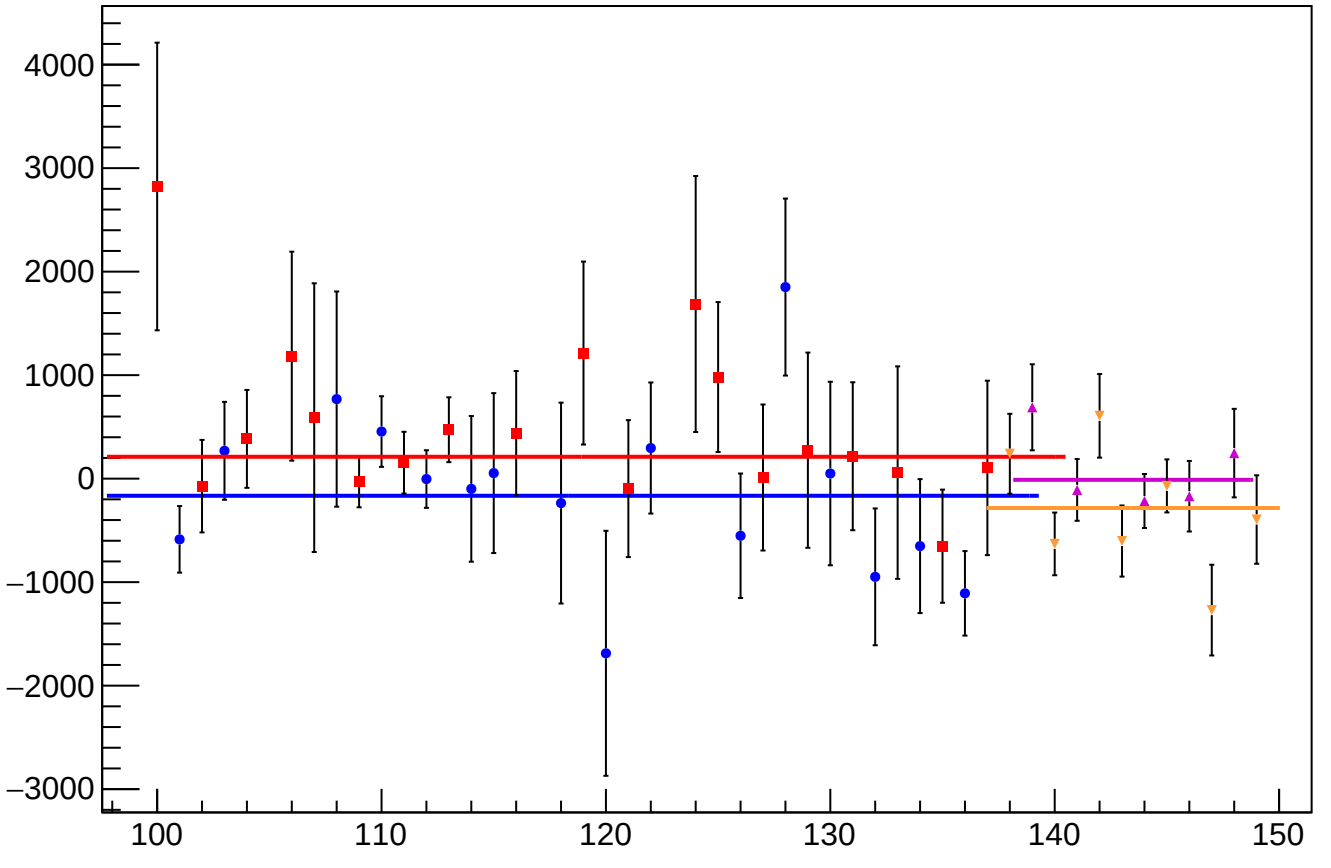
Left: 74.055+/-0.017 χ^2/NDF: 77860.7/11

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 74.215+/-0.016 χ^2/NDF:695652.6/20

Out: 72.488+/-0.015 χ^2/NDF:997212.8/25

All: 73.293+/-0.011 χ^2/NDF: 1699334.6/46



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -283.744+/-131.161 χ^2/NDF:14.7/6

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -11.540+/-147.749 χ^2/NDF:4.1/4

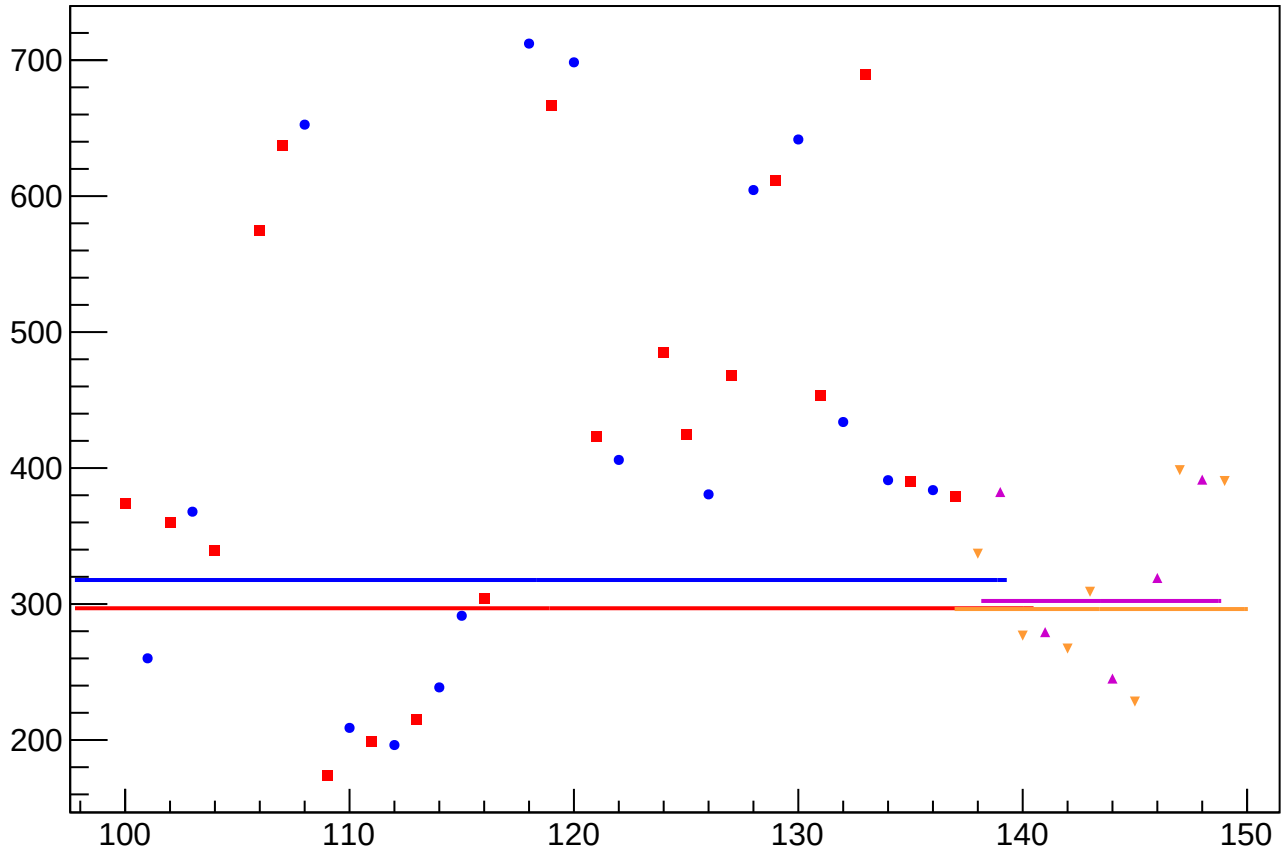
Left: -163.774+/-98.088 χ^2/NDF: 20.8/11

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -99.232+/-96.932 χ^2/NDF:27.4/20

Out: -14.489+/-88.585 χ^2/NDF:36.1/25

All: -53.055+/-65.391 χ^2/NDF: 63.9/46



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 296.315+/-0.093 χ^2/NDF:390184.2/6

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: 298.934+/-0.069 χ^2/NDF: 665883.5/11

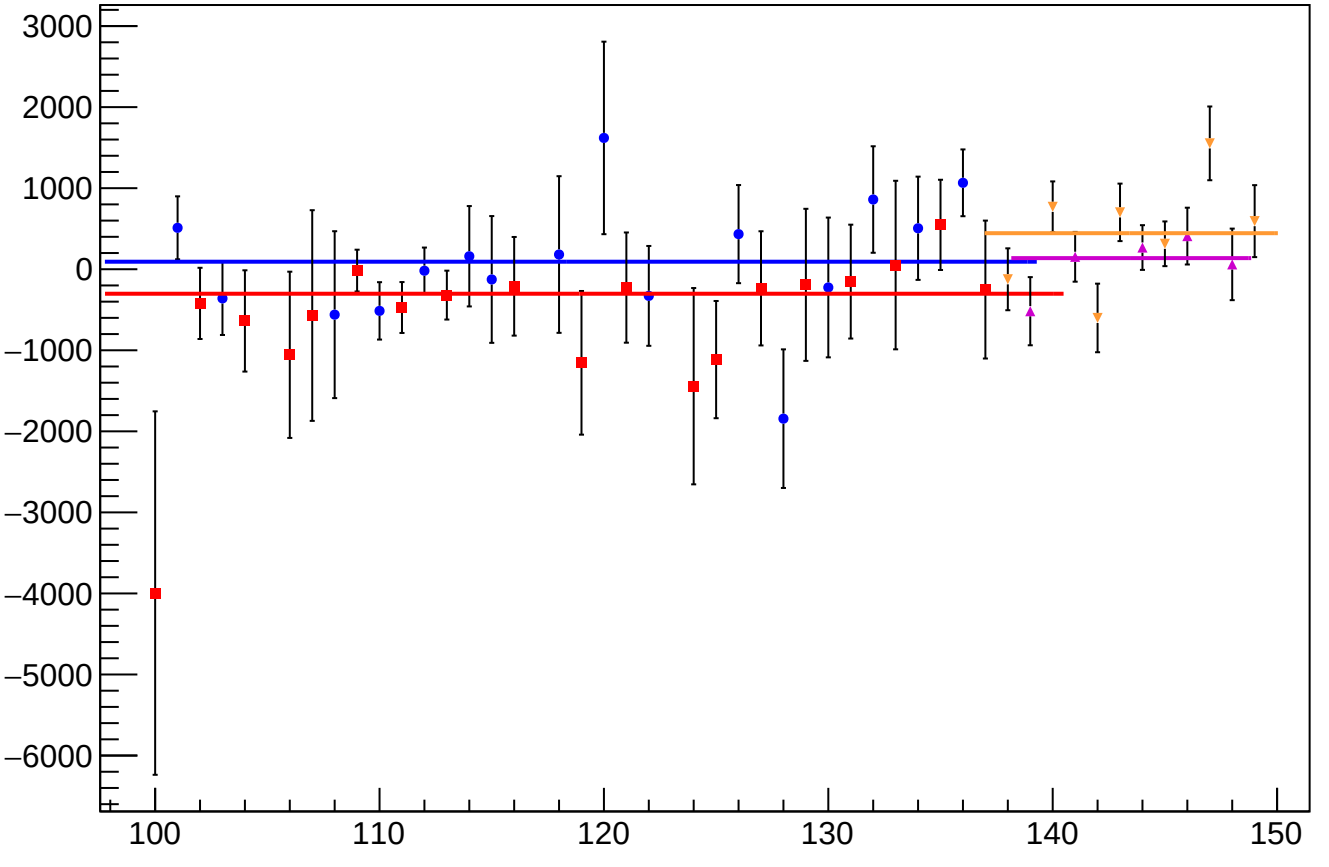
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 311.032+/-0.069 χ^2/NDF:2422495.2/20

Out: 296.626+/-0.063 χ^2/NDF:2931256.0/25

All: 303.182+/-0.046 χ^2/NDF: 5377822.1/46

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 444.692+/-136.585 χ^2/NDF:16.2/6

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: 308.342+/-101.905 χ^2/NDF: 21.7/11

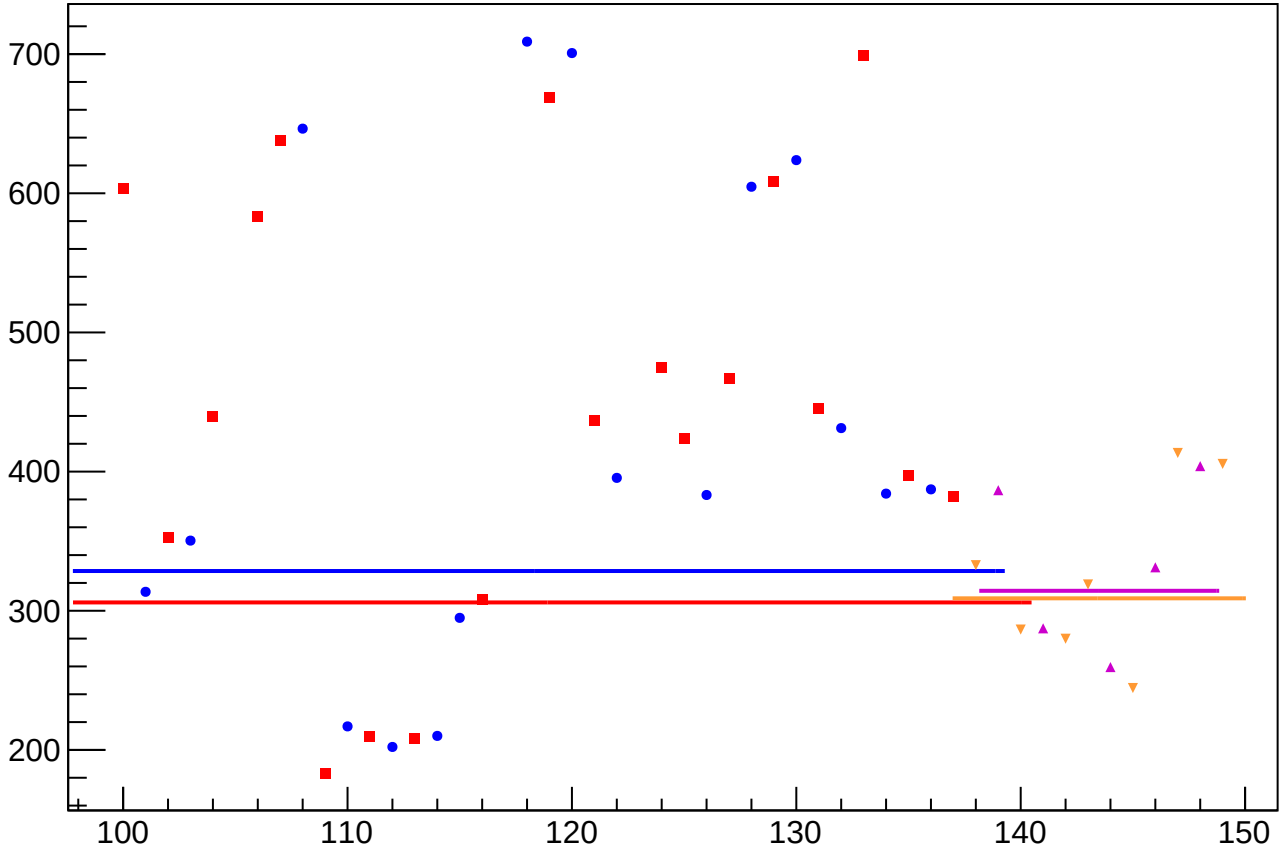
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 111.704+/-99.927 χ^2/NDF:24.2/20

Out: 34.970+/-91.775 χ^2/NDF:43.4/25

All: 70.080+/-67.593 χ^2/NDF: 67.9/46

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 308.939+/-0.097 χ^2/NDF:338276.6/6

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 314.346+/-0.108 χ^2/NDF:240607.9/4

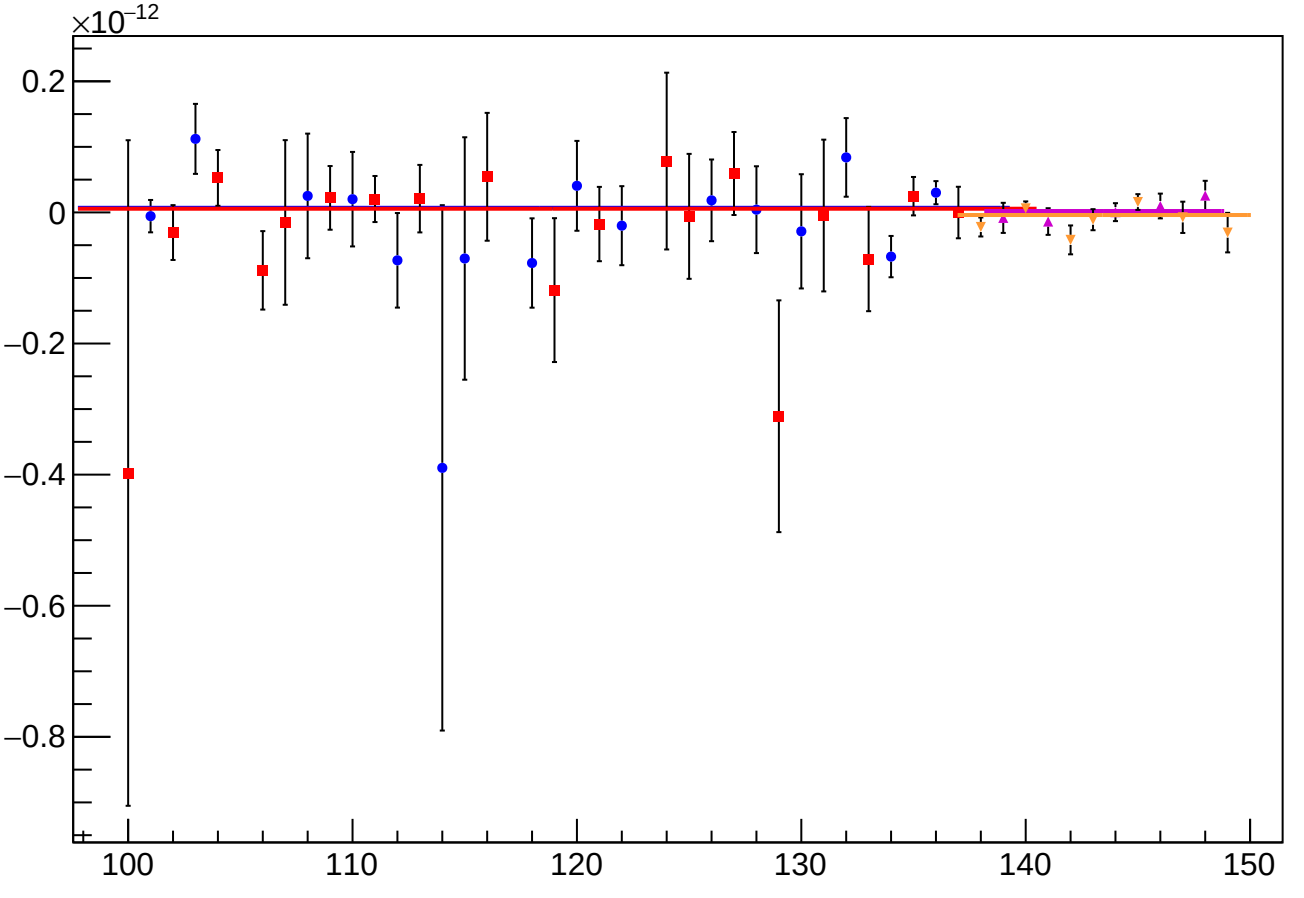
Left: 311.336+/-0.072 χ^2/NDF: 580273.8/11

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 322.505+/-0.071 χ^2/NDF:2209387.3/20

Out: 307.321+/-0.065 χ^2/NDF:2866252.2/25

All: 314.268+/-0.048 χ^2/NDF: 5100688.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

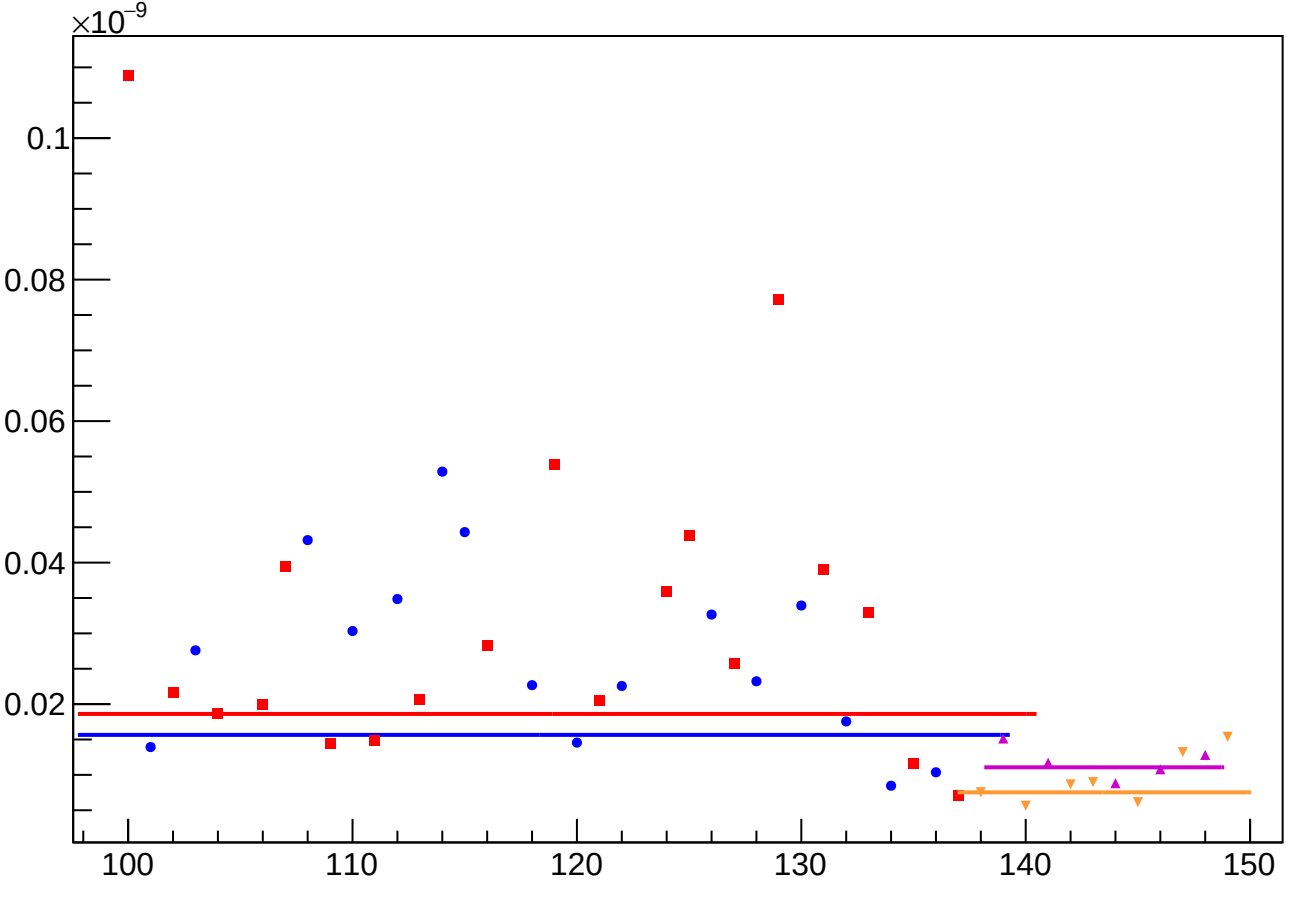
Left: -0.000+/-0.000 χ^2/NDF: 11.7/11

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:22.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:361696.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:131500.7/4

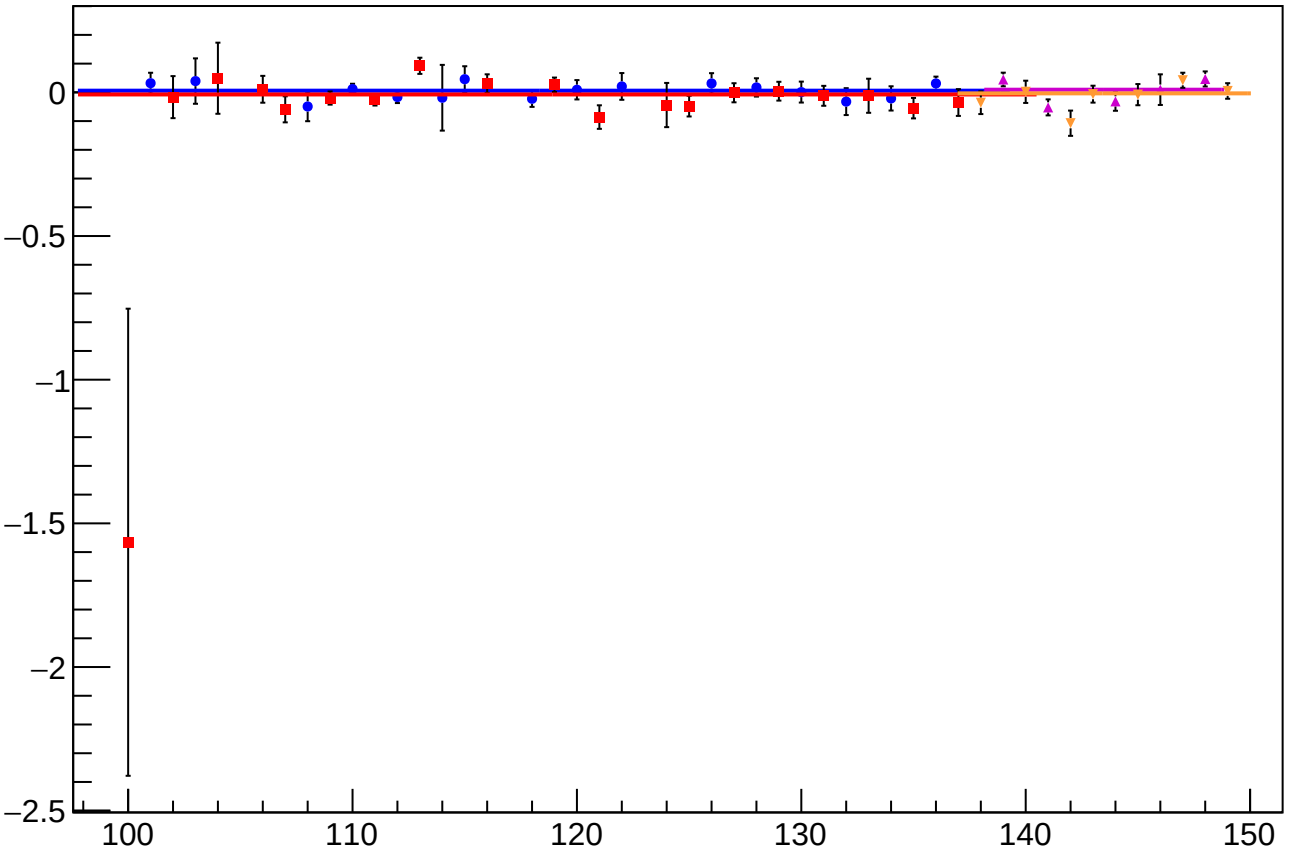
Left: 0.000+/-0.000 χ^2/NDF: 735498.8/11

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:2826234.0/25

All: 0.000+/-0.000 χ^2/NDF: 4650198.8/46



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

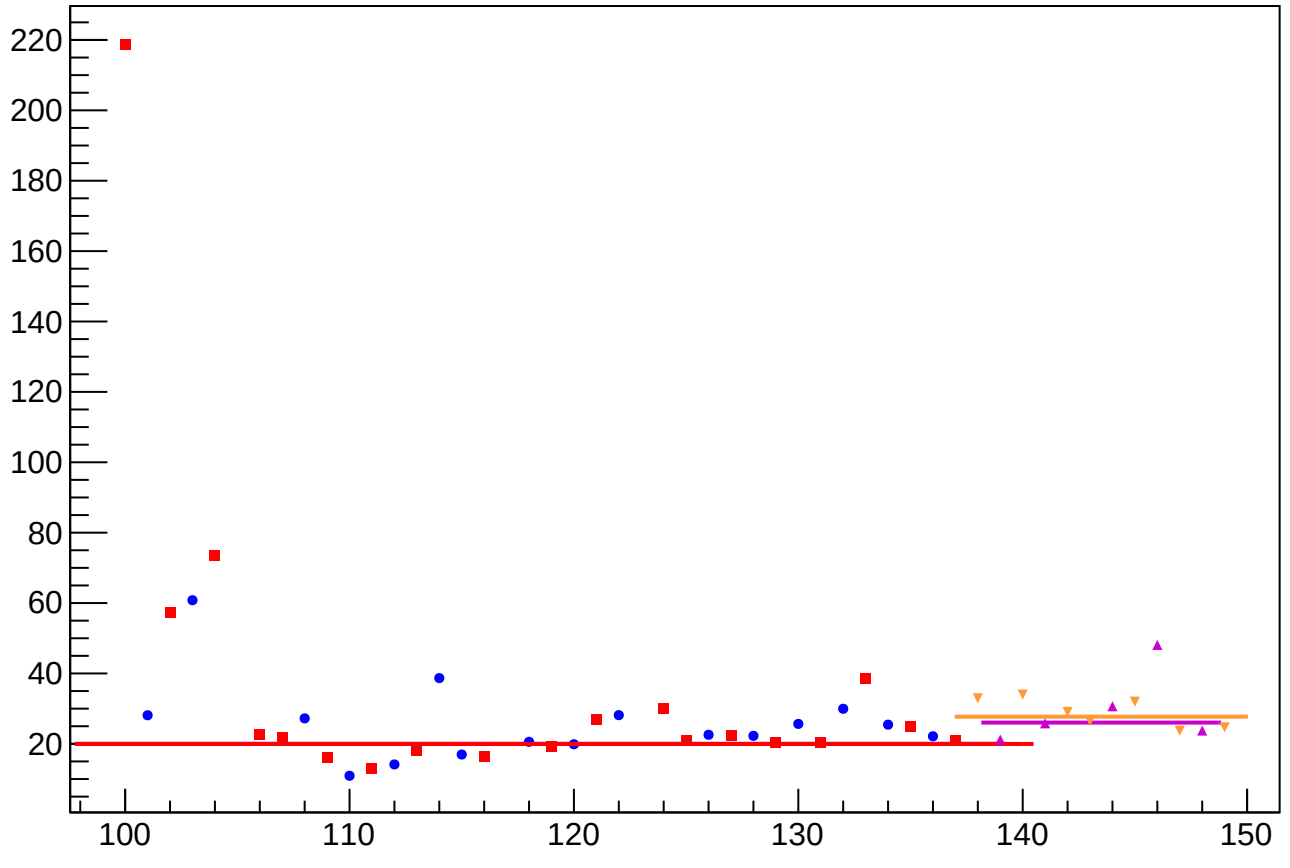
Left: 0.002+/-0.009 χ^2/NDF: 20.6/11

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.006+/-0.007 χ^2/NDF:39.3/25

All: 0.000+/-0.005 χ^2/NDF: 59.7/46



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.711+/-0.009 χ^2/NDF:191087.2/6

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

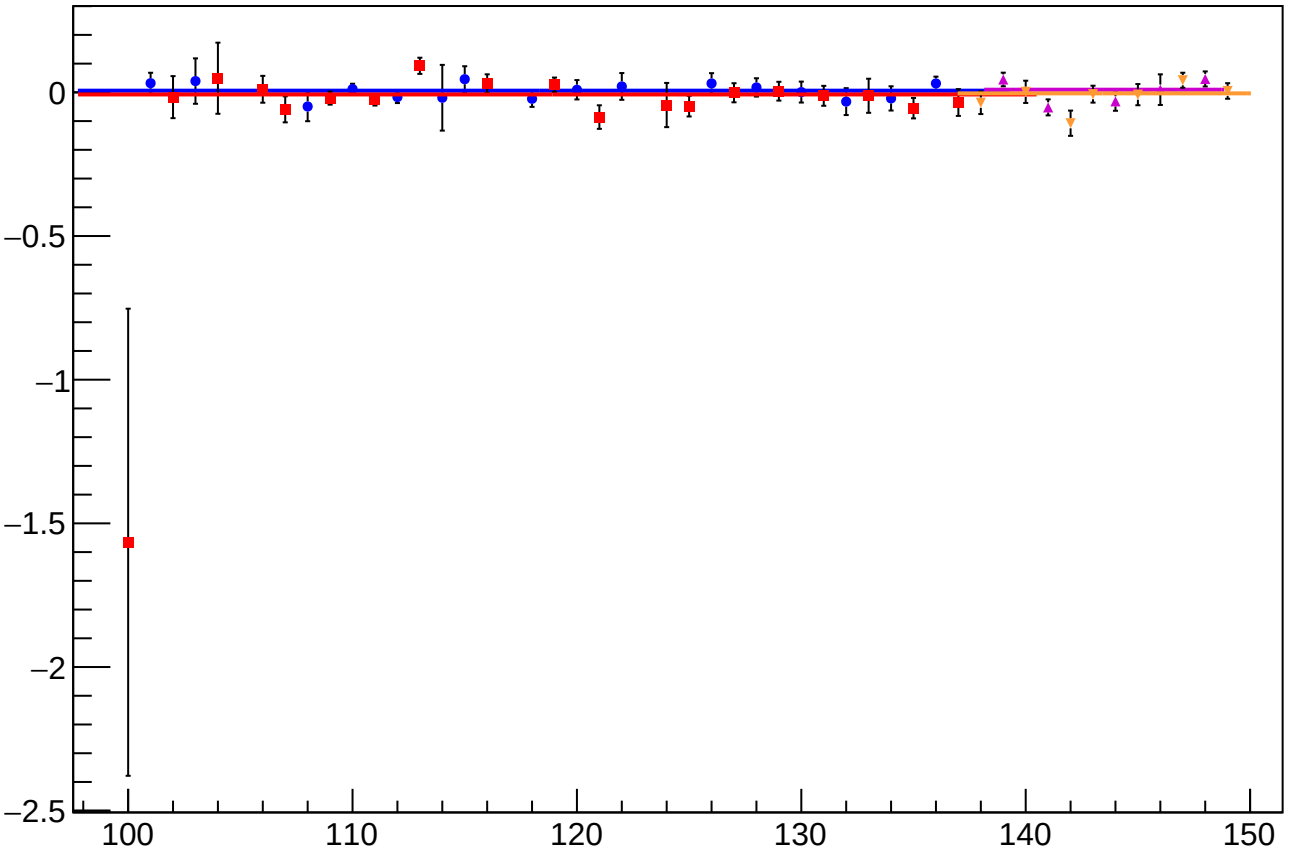
Left: 26.928+/-0.006 χ^2/NDF: 687662.8/11

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.682+/-0.005 χ^2/NDF:2425598.2/20

Out: 22.286+/-0.005 χ^2/NDF:2457471.1/25

All: 21.991+/-0.003 χ^2/NDF: 4890835.0/46



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

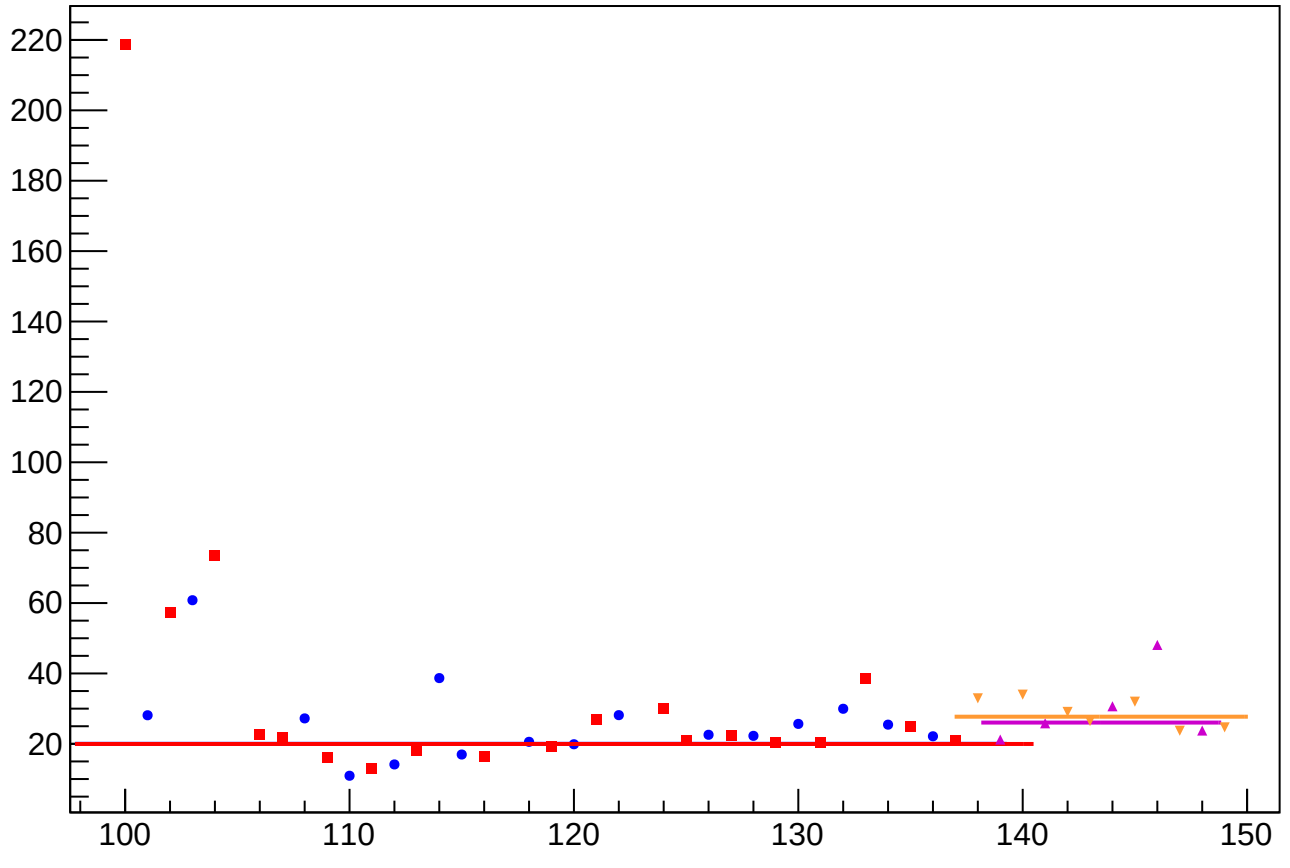
Left: 0.002+/-0.009 χ^2/NDF: 20.6/11

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.006+/-0.007 χ^2/NDF:39.3/25

All: 0.000+/-0.005 χ^2/NDF: 59.7/46



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.711+/-0.009 χ^2/NDF:191087.2/6

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.043+/-0.009 χ^2/NDF:479501.3/4

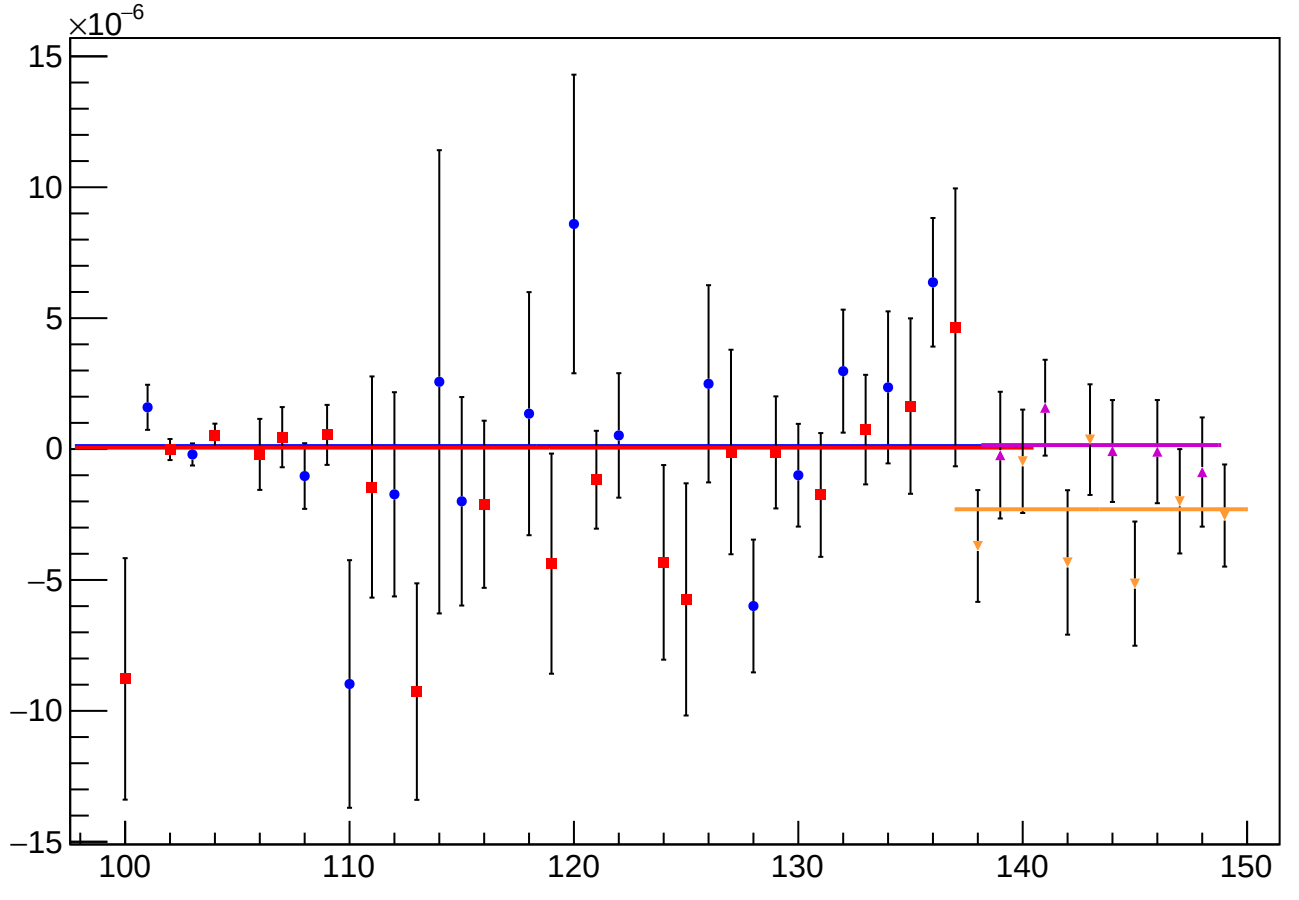
Left: 26.928+/-0.006 χ^2/NDF: 687662.8/11

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.682+/-0.005 χ^2/NDF:2425598.2/20

Out: 22.286+/-0.005 χ^2/NDF:2457471.1/25

All: 21.991+/-0.003 χ^2/NDF: 4890835.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/4

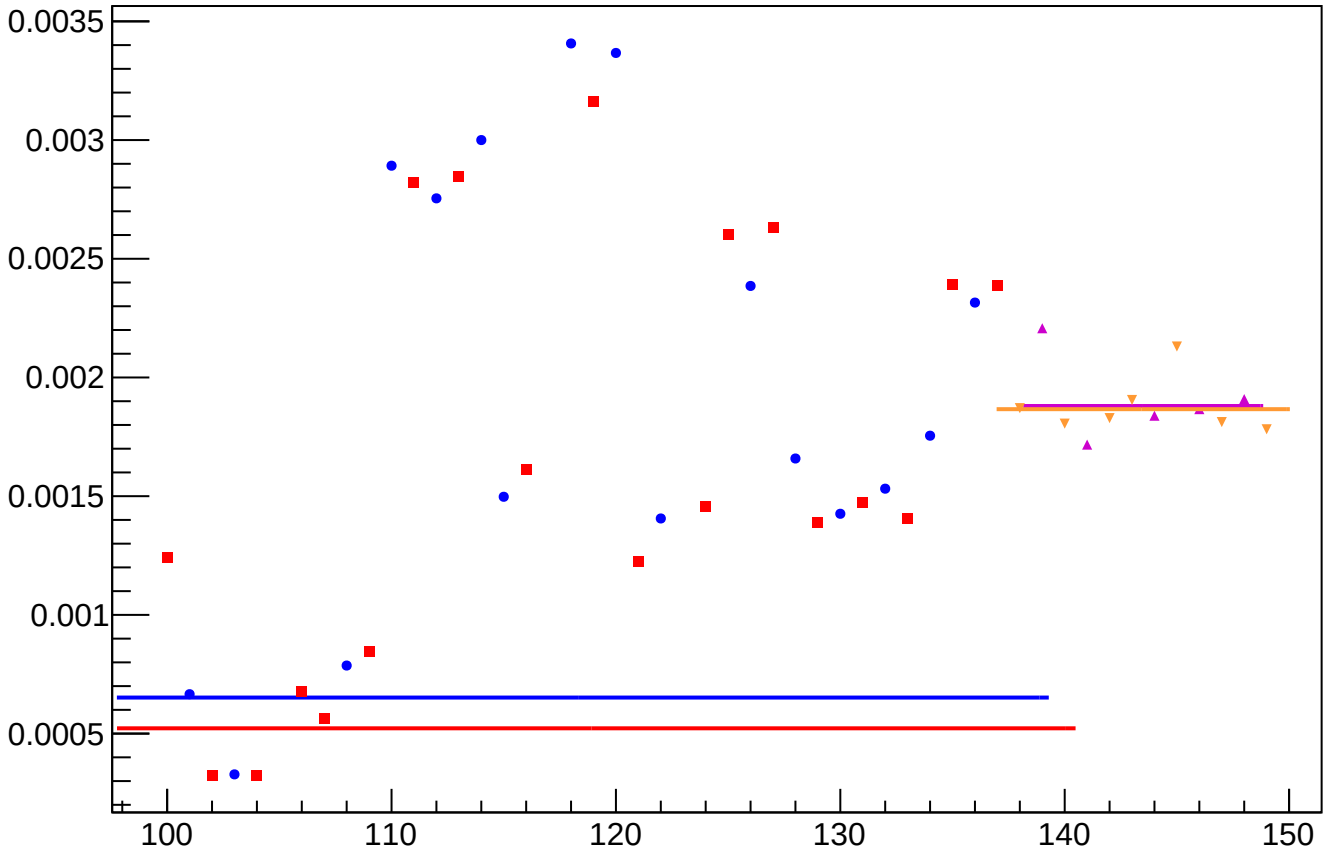
Left: -0.000+/-0.000 χ^2/NDF: 9.9/11

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:29.7/25

All: -0.000+/-0.000 χ^2/NDF: 57.1/46



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:32992.4/6

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: 87005.2/11

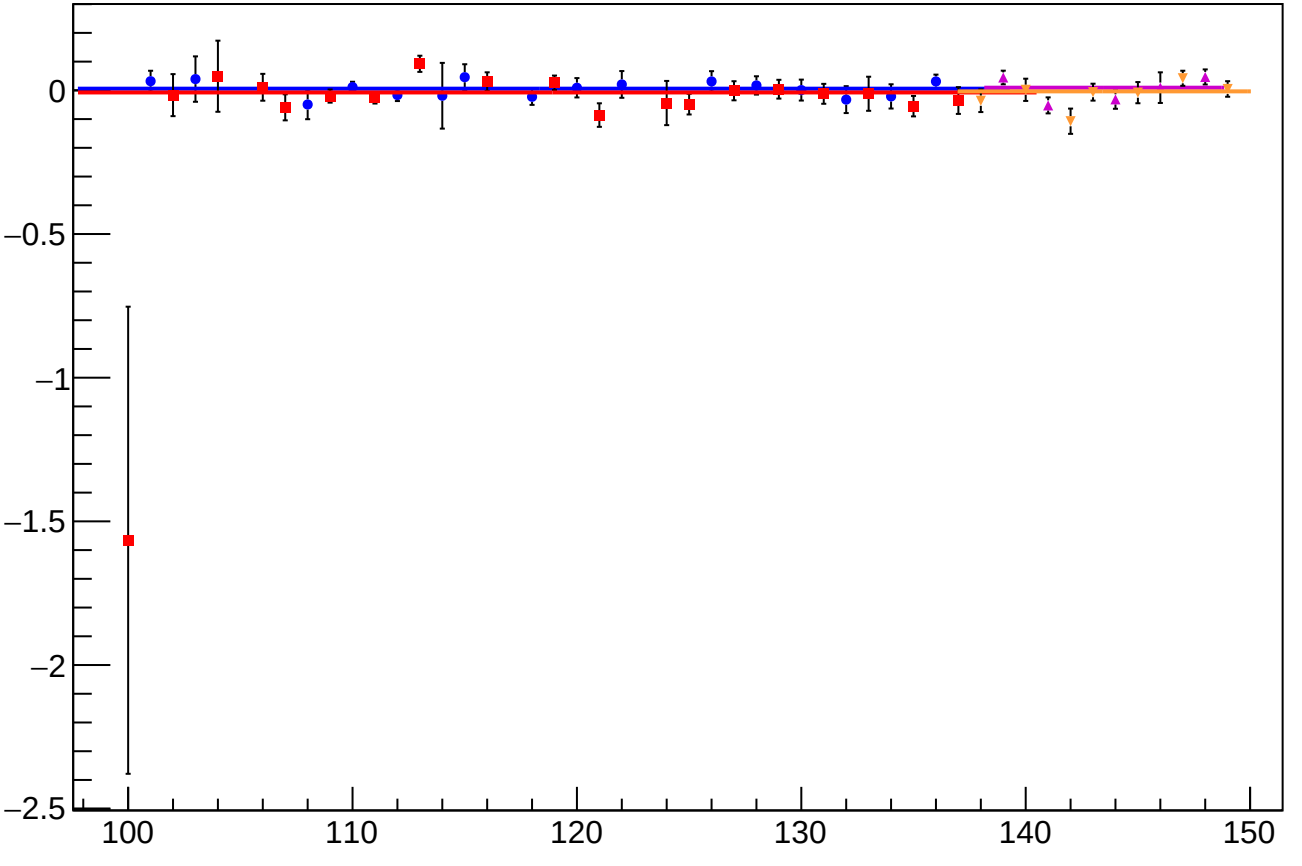
Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:9652821.7/20

Out: 0.001+/-0.000 χ^2/NDF:11700857.4/25

All: 0.001+/-0.000 χ^2/NDF: 21638041.2/46

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

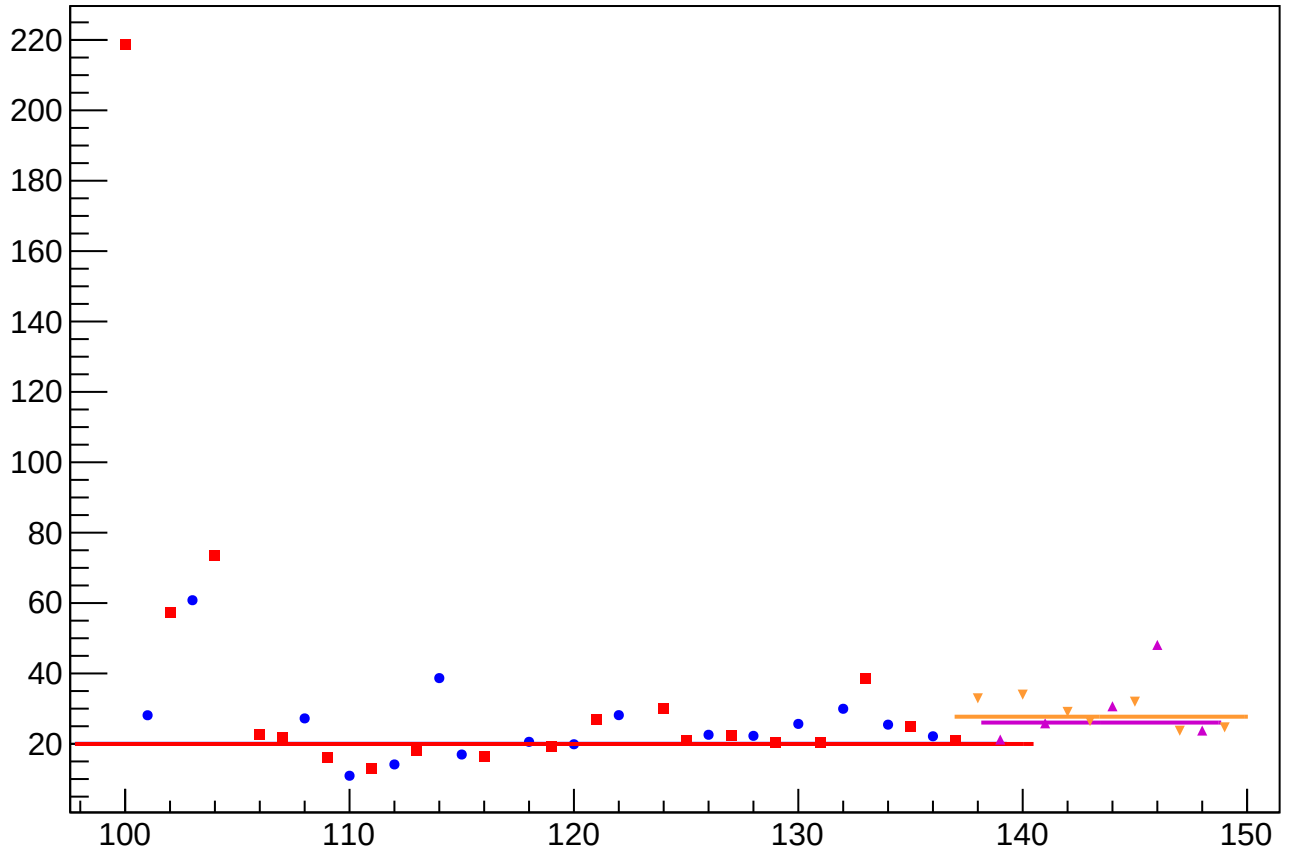
Left: 0.002+/-0.009 χ^2/NDF: 20.6/11

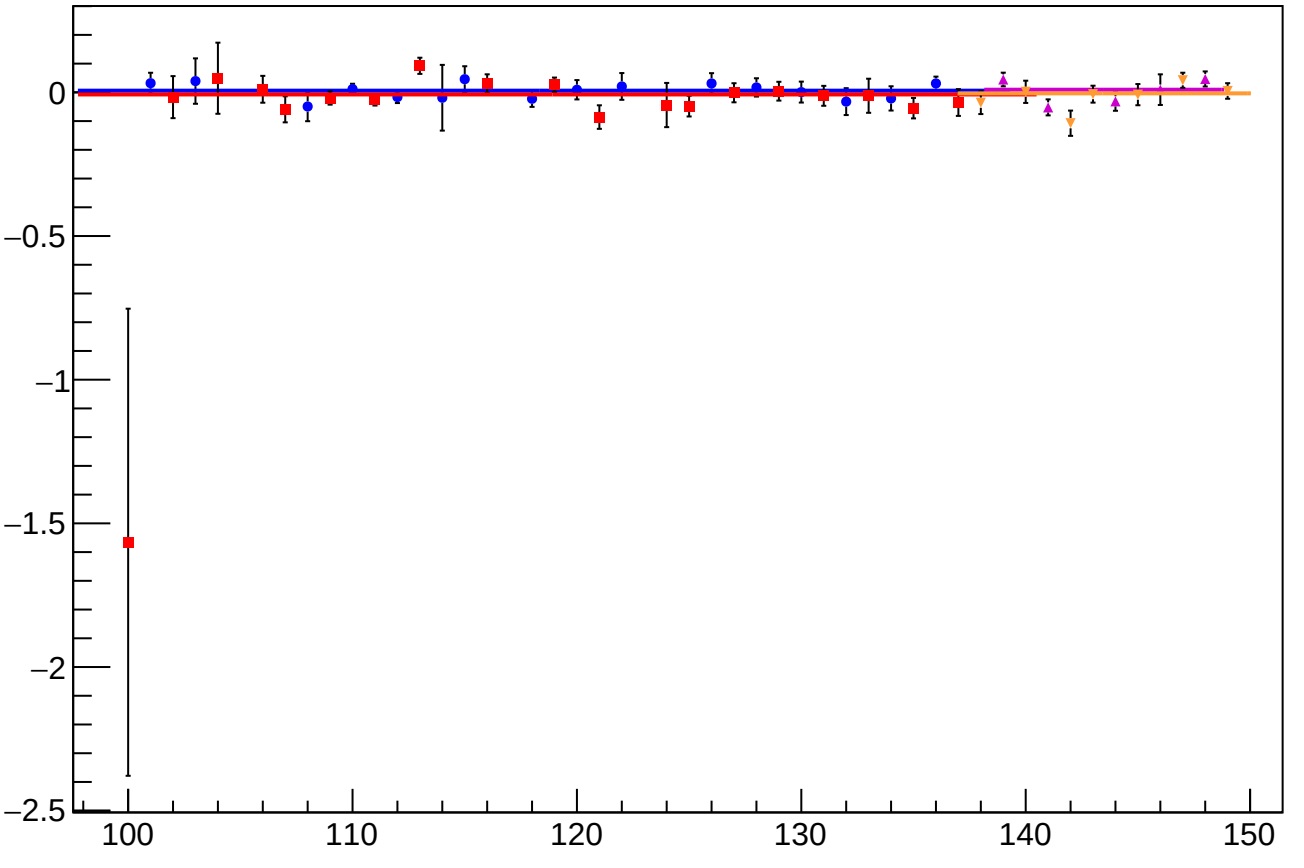
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.006+/-0.007 χ^2/NDF:39.3/25

All: 0.000+/-0.005 χ^2/NDF: 59.7/46


asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 20.000+/-0.006 χ²/NDF: 1641197.3/15
Left Out: 27.711+/-0.009 χ²/NDF:191108.1/6
Right Out: 19.963+/-0.006 χ²/NDF: 1716830.0/18
Left In: 26.043+/-0.009 χ²/NDF:479509.8/4
Left: 26.928+/-0.006 χ²/NDF: 687692.5/11
Right: 19.981+/-0.004 χ²/NDF: 3358048.3/34
In: 21.682+/-0.005 χ²/NDF:2425380.0/20
Out: 22.286+/-0.005 χ²/NDF:2457406.1/25
All: 21.992+/-0.003 χ²/NDF: 4890544.7/46



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.004+/-0.012 χ^2/NDF:9.4/6

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.013 χ^2/NDF:10.6/4

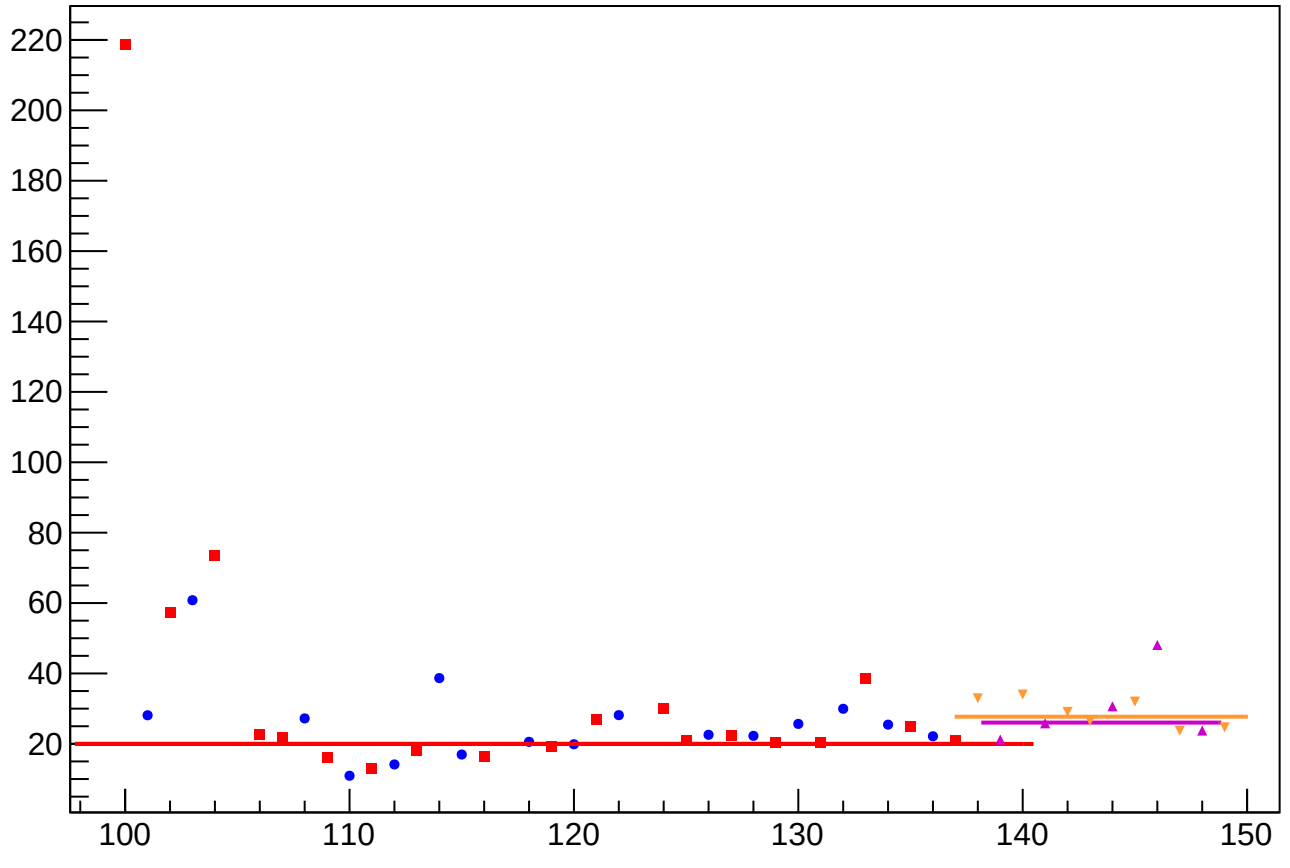
Left: 0.002+/-0.009 χ^2/NDF: 20.6/11

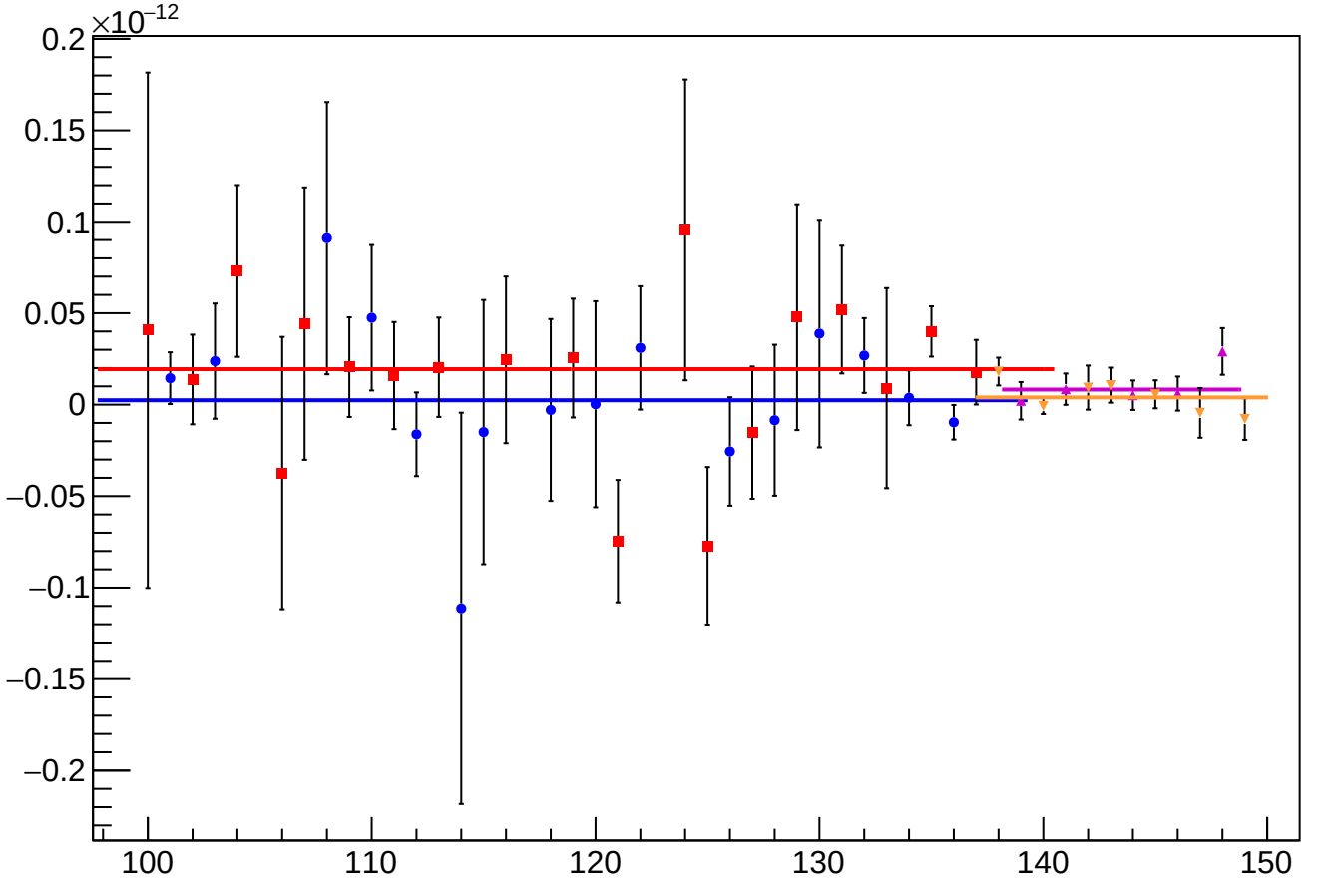
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

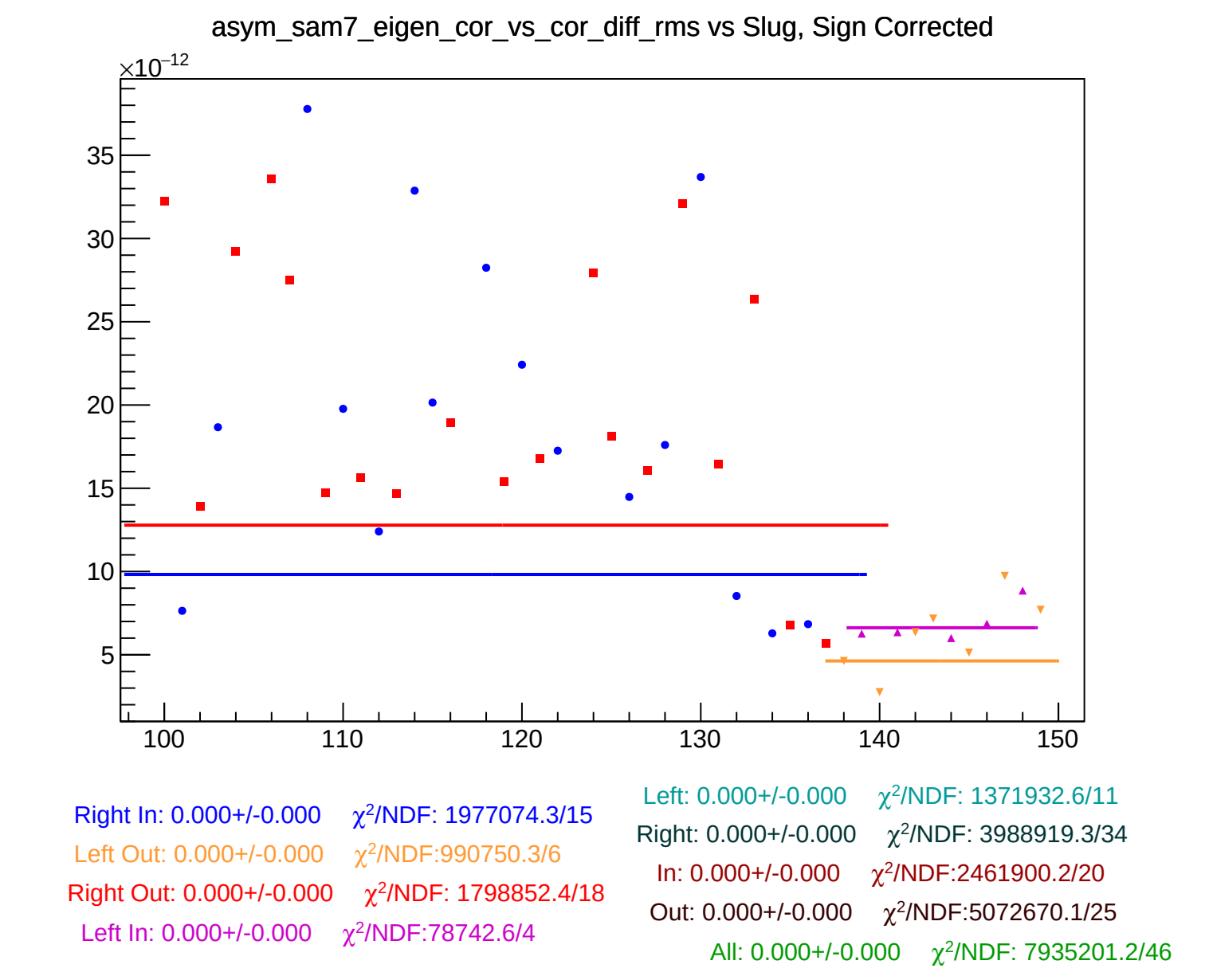
In: 0.007+/-0.007 χ^2/NDF:18.6/20

Out: -0.006+/-0.007 χ^2/NDF:39.3/25

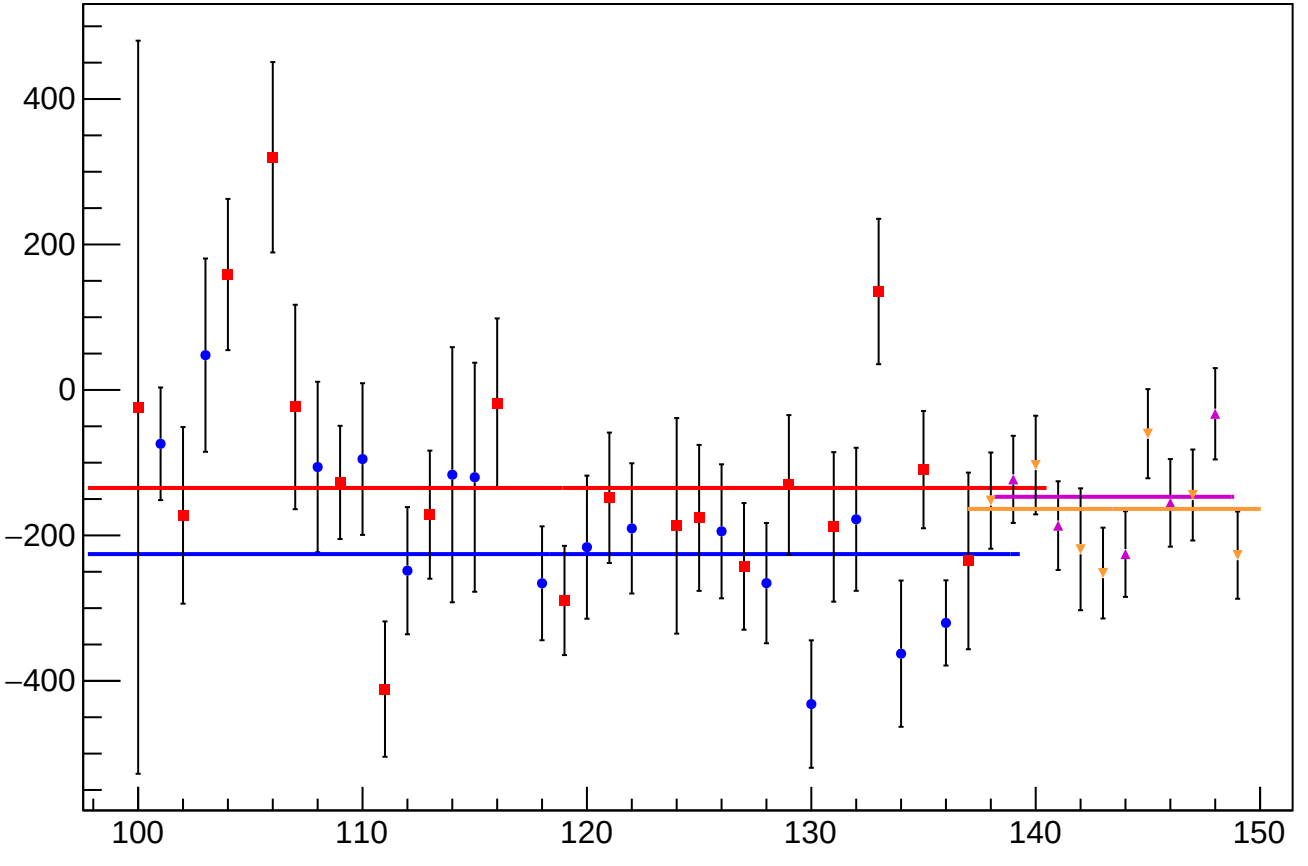
All: 0.000+/-0.005 χ^2/NDF: 59.7/46


asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 20.000+/-0.006 χ²/NDF: 1641197.3/15
Left Out: 27.711+/-0.009 χ²/NDF:191108.1/6
Right Out: 19.963+/-0.006 χ²/NDF: 1716830.0/18
Left In: 26.043+/-0.009 χ²/NDF:479509.8/4
Left: 26.928+/-0.006 χ²/NDF: 687692.5/11
Right: 19.981+/-0.004 χ²/NDF: 3358048.3/34
In: 21.682+/-0.005 χ²/NDF:2425380.0/20
Out: 22.286+/-0.005 χ²/NDF:2457406.1/25
All: 21.992+/-0.003 χ²/NDF: 4890544.7/46


asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.8/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 20.2/18
Left In: 0.000+/-0.000 χ²/NDF:3.2/4
Left: 0.000+/-0.000 χ²/NDF: 10.8/11
Right: 0.000+/-0.000 χ²/NDF: 34.6/34
In: 0.000+/-0.000 χ²/NDF:14.8/20
Out: 0.000+/-0.000 χ²/NDF:31.2/25
All: 0.000+/-0.000 χ²/NDF: 45.9/46


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:990750.3/6
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: 1371932.6/11
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:5072670.1/25
All: 0.000+/-0.000 χ²/NDF: 7935201.2/46

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -163.584+/-24.656 χ^2/NDF:7.3/6

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: -156.025+/-18.227 χ^2/NDF: 13.2/11

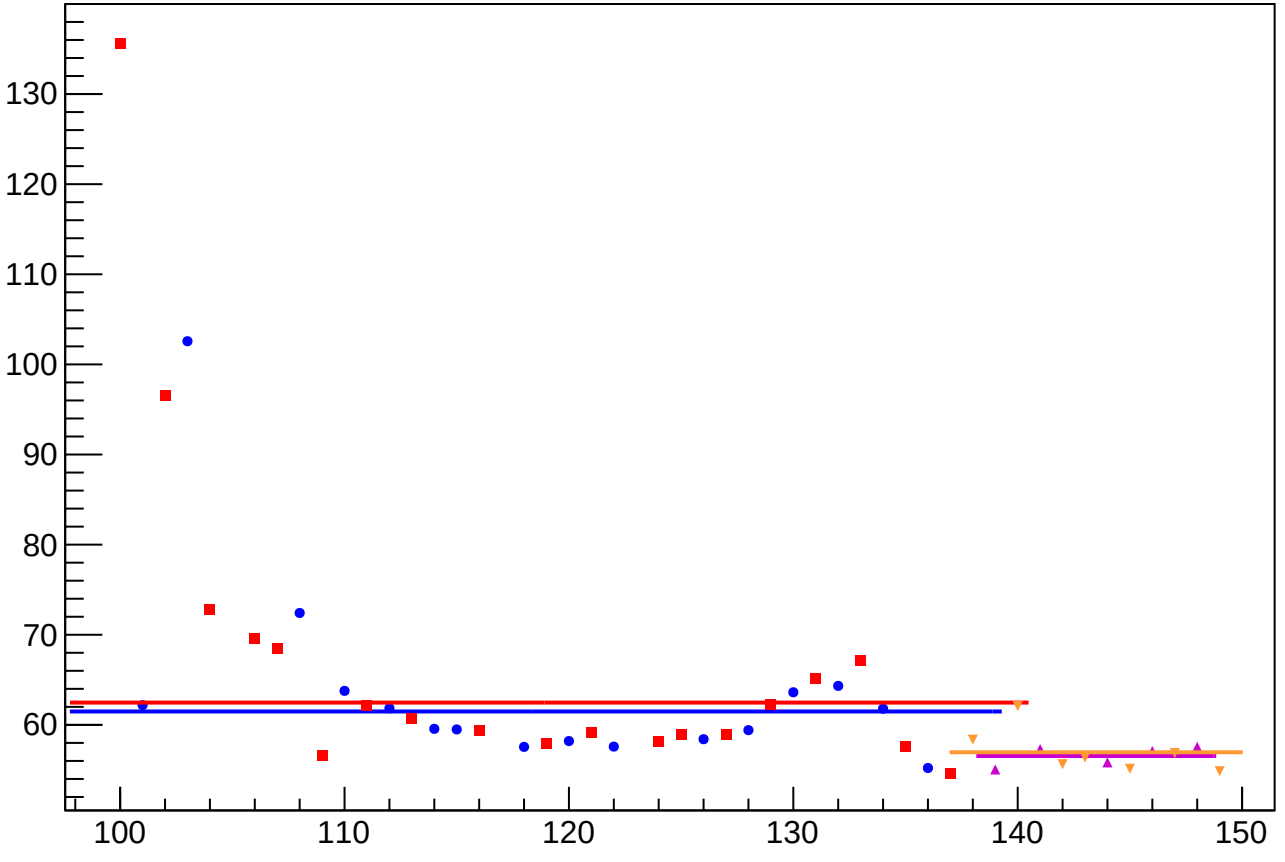
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -192.463+/-17.579 χ^2/NDF:33.2/20

Out: -148.292+/-16.893 χ^2/NDF:53.3/25

All: -169.499+/-12.181 χ^2/NDF: 89.8/46

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.962+/-0.017 χ^2/NDF:17219.0/6

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

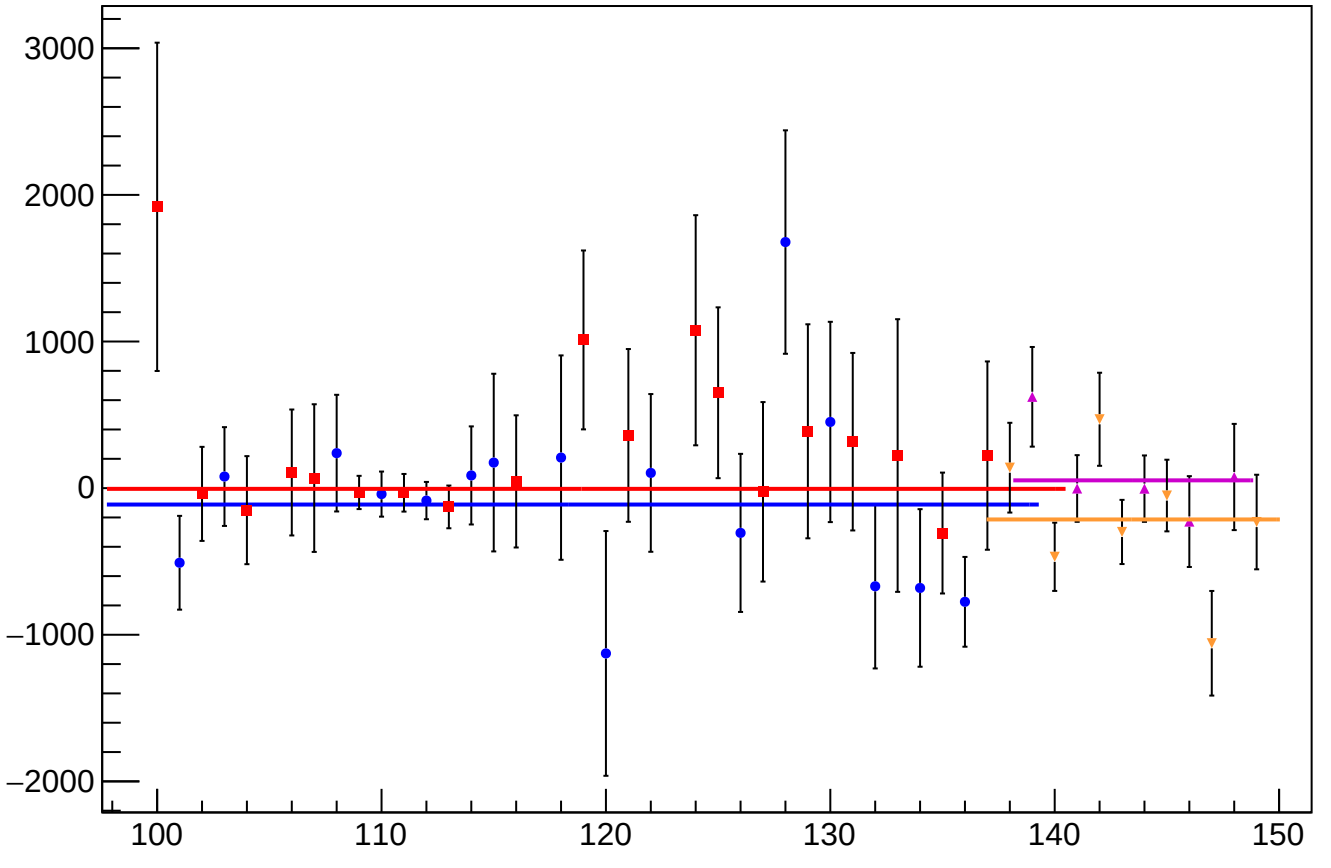
Left: 56.773+/-0.013 χ^2/NDF: 20015.1/11

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.402+/-0.012 χ^2/NDF:291727.3/20

Out: 59.887+/-0.012 χ^2/NDF:351440.2/25

All: 59.654+/-0.009 χ^2/NDF: 643959.6/46



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -213.580+/-103.057 χ^2/NDF:13.4/6

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 53.099+/-123.520 χ^2/NDF:3.8/4

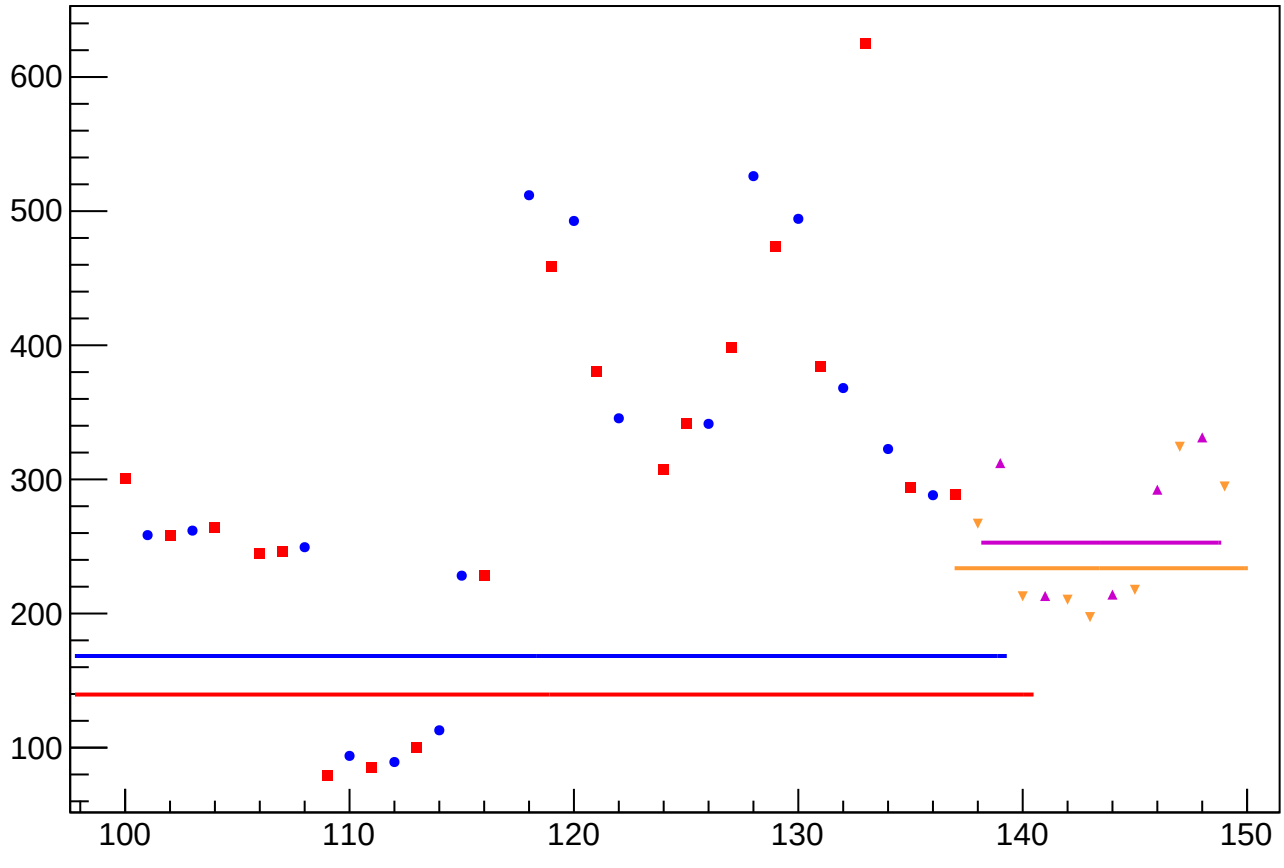
Left: -104.131+/-79.131 χ^2/NDF: 19.9/11

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -66.394+/-64.860 χ^2/NDF:23.5/20

Out: -62.887+/-54.328 χ^2/NDF:28.0/25

All: -64.333+/-41.648 χ^2/NDF: 51.5/46



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 233.775+/-0.073 χ^2/NDF:315025.6/6

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: 241.600+/-0.056 χ^2/NDF: 650120.6/11

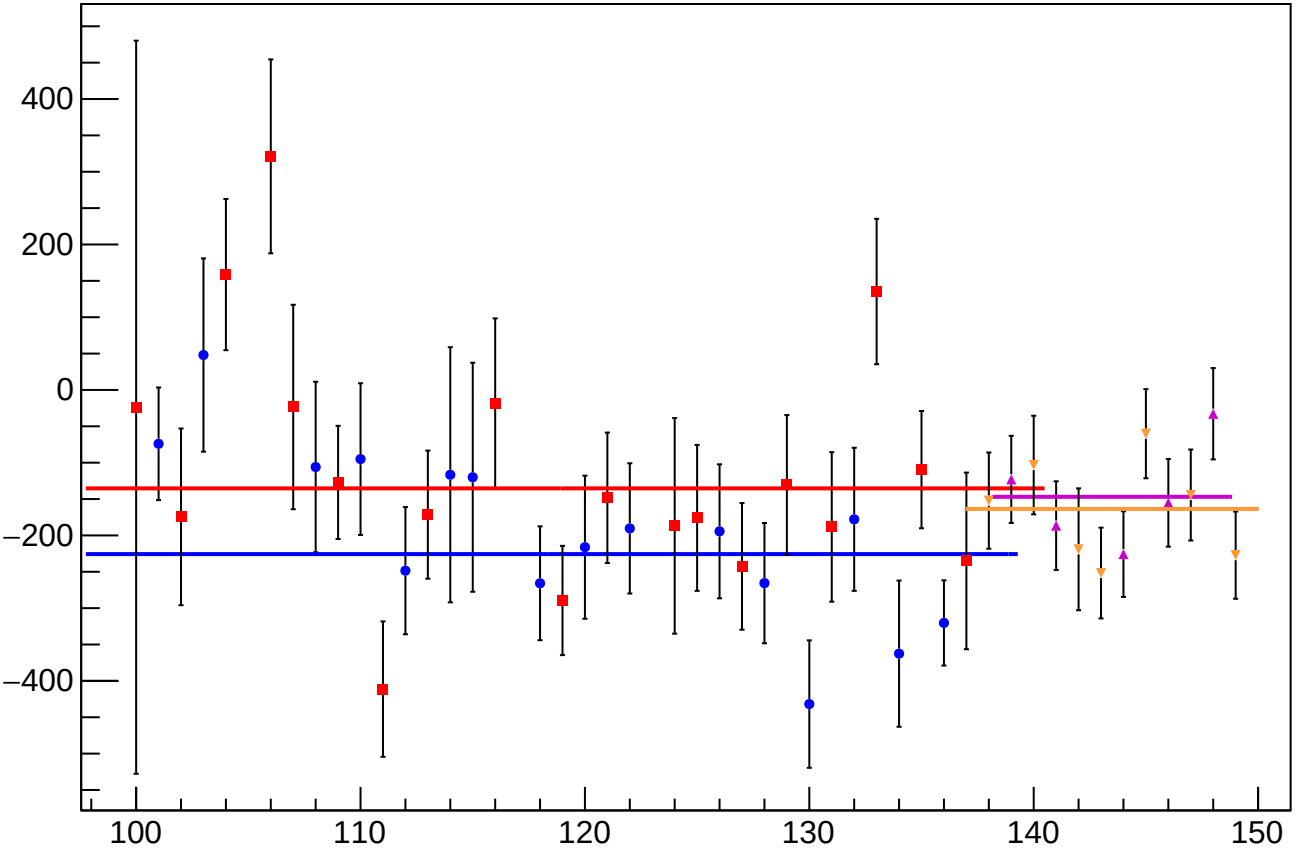
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 191.631+/-0.046 χ^2/NDF:5529132.3/20

Out: 165.767+/-0.038 χ^2/NDF:6675339.7/25

All: 176.431+/-0.029 χ^2/NDF: 12391385.4/46

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -163.580+/-24.656 χ^2/NDF:7.3/6

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: -156.021+/-18.227 χ^2/NDF: 13.2/11

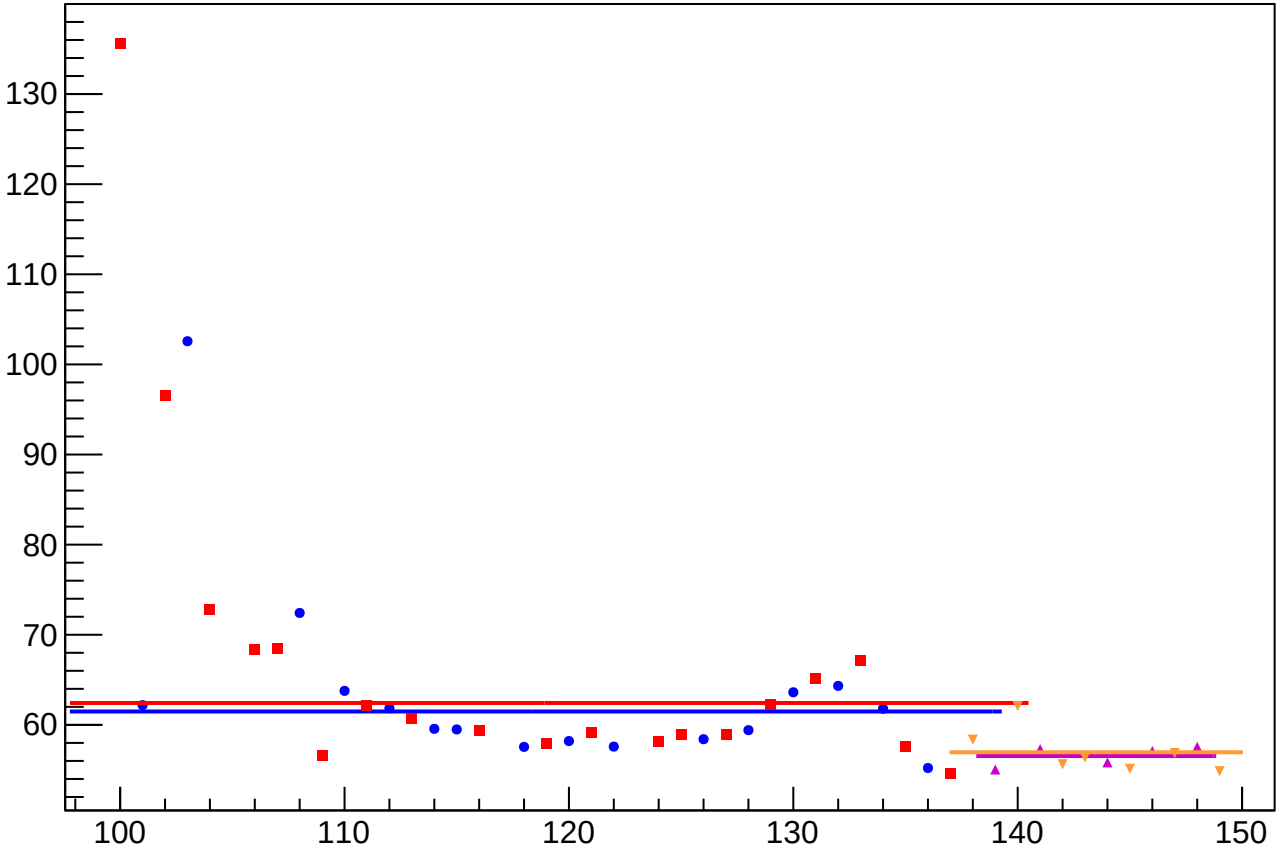
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -192.462+/-17.579 χ^2/NDF:33.2/20

Out: -148.589+/-16.898 χ^2/NDF:52.9/25

All: -169.659+/-12.182 χ^2/NDF: 89.3/46

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.962+/-0.017 χ^2/NDF:17219.0/6

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

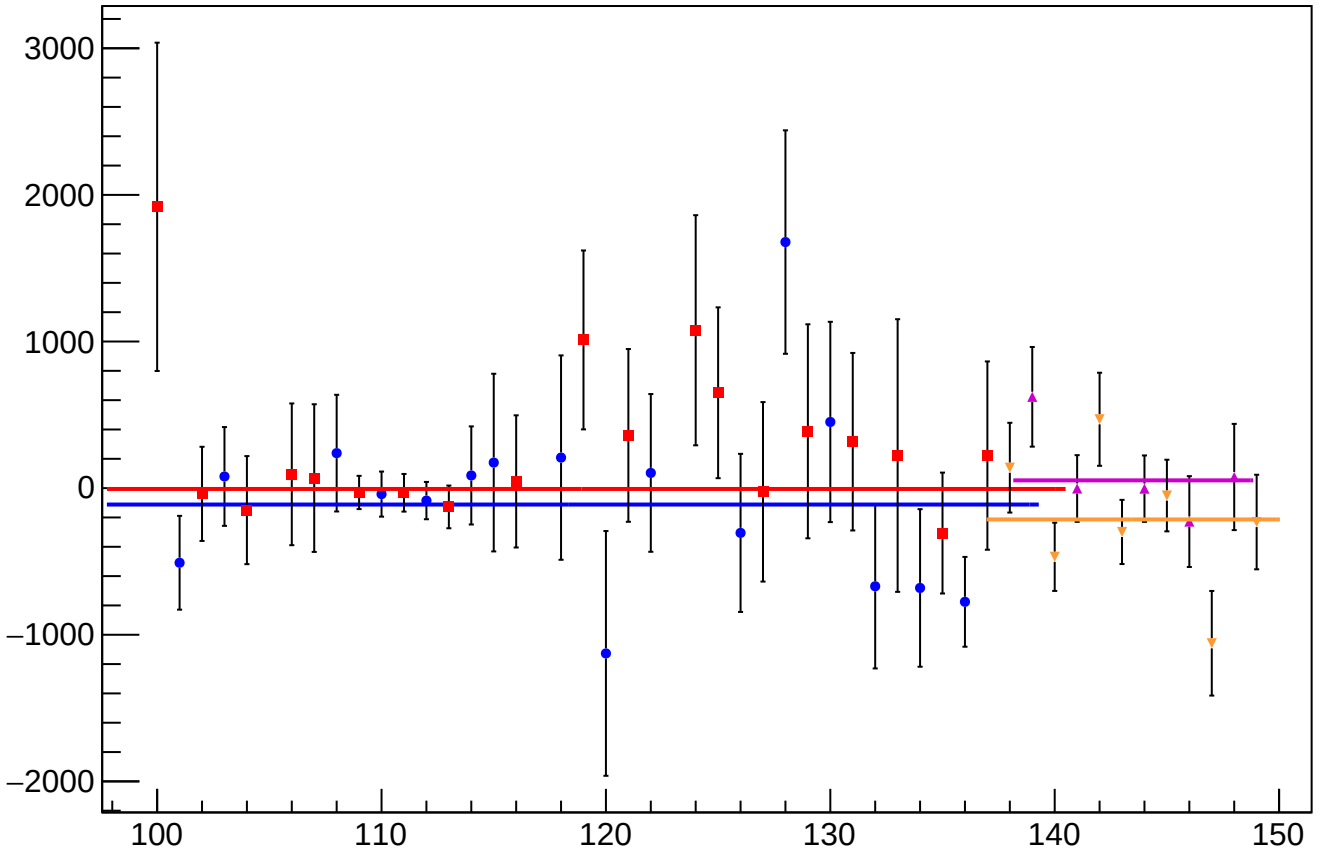
Left: 56.773+/-0.013 χ^2/NDF: 20015.1/11

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.402+/-0.012 χ^2/NDF:291729.9/20

Out: 59.863+/-0.012 χ^2/NDF:348846.3/25

All: 59.642+/-0.009 χ^2/NDF: 641290.3/46



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -213.577+/-103.057 χ^2/NDF:13.4/6

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 53.097+/-123.520 χ^2/NDF:3.8/4

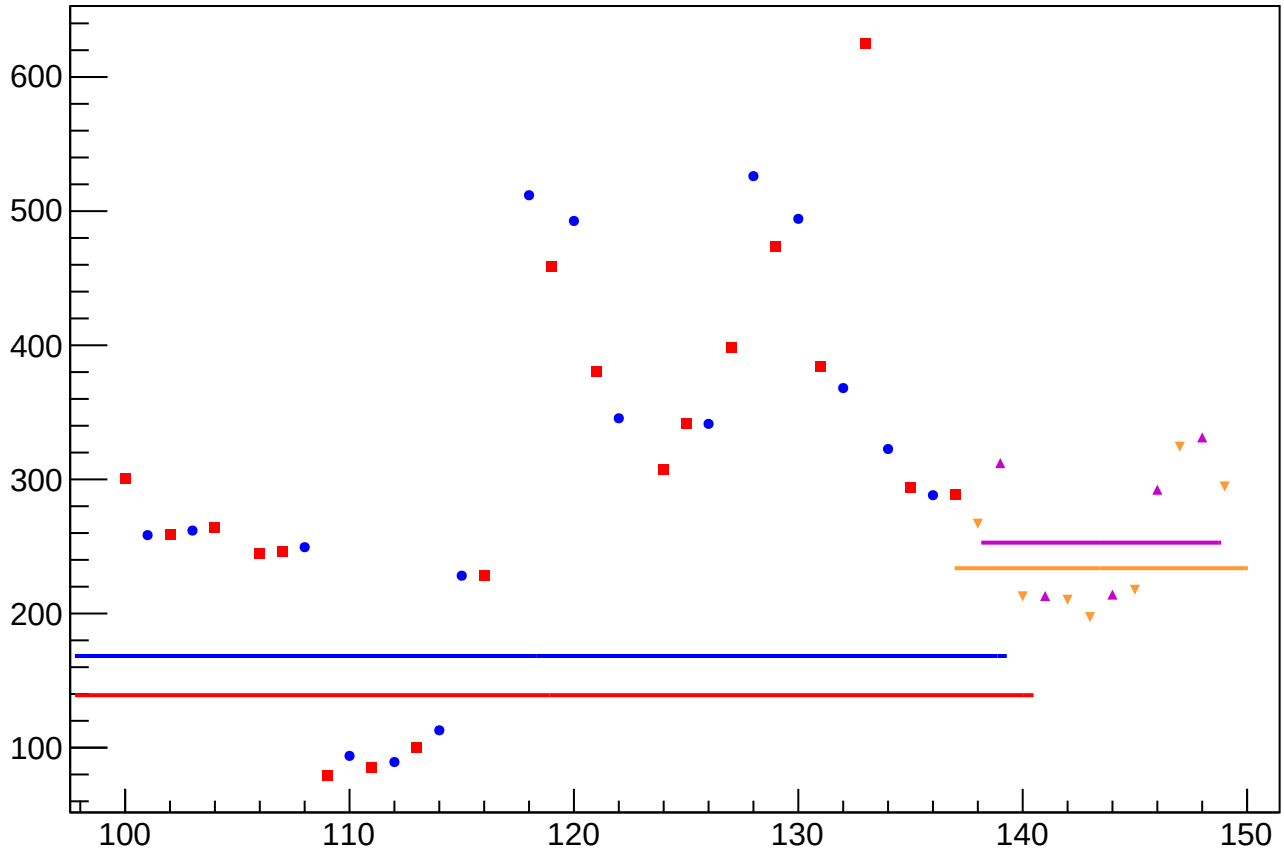
Left: -104.130+/-79.131 χ^2/NDF: 19.9/11

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -66.381+/-64.860 χ^2/NDF:23.5/20

Out: -63.607+/-54.421 χ^2/NDF:27.9/25

All: -64.753+/-41.690 χ^2/NDF: 51.4/46



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 233.775+/-0.073 χ^2/NDF:315025.9/6

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 252.841+/-0.087 χ^2/NDF:307001.1/4

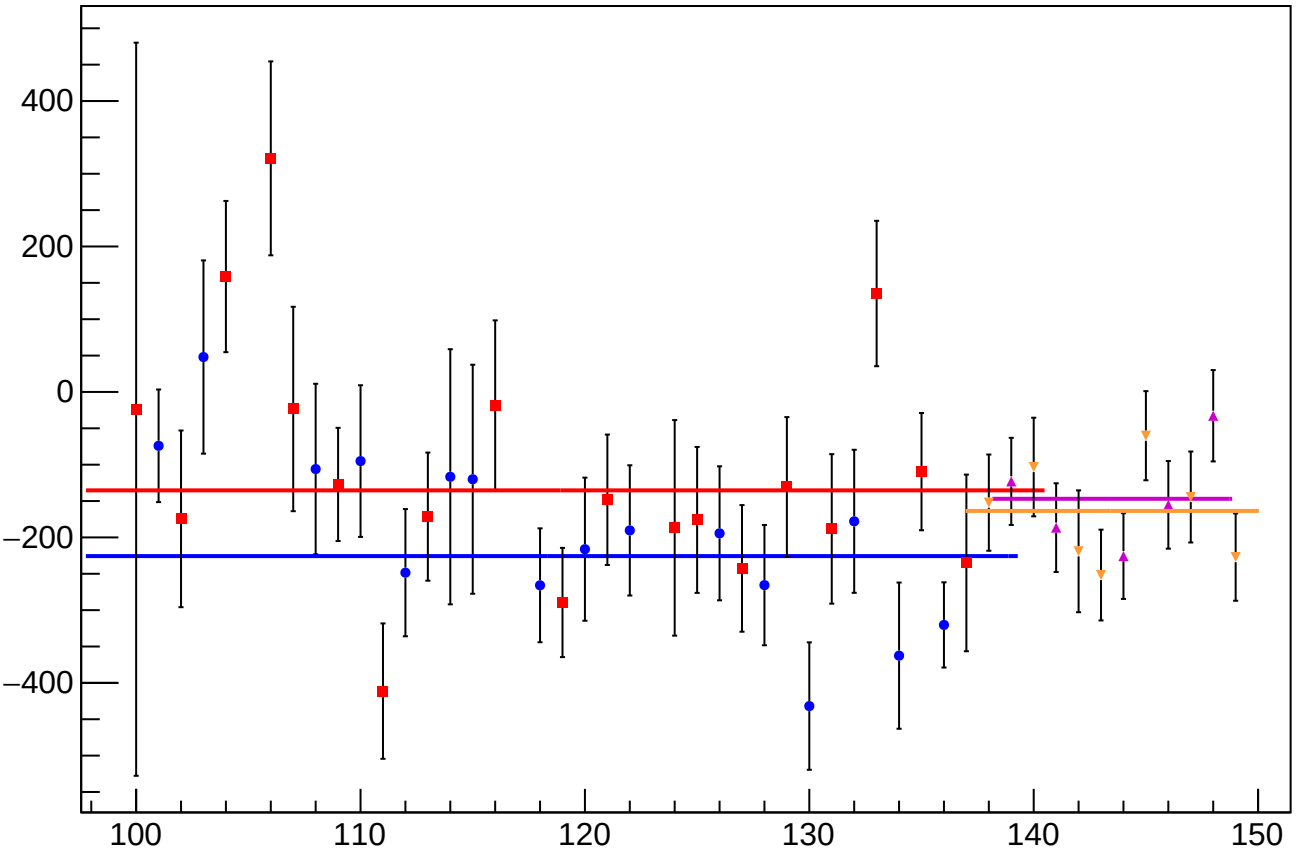
Left: 241.600+/-0.056 χ^2/NDF: 650121.3/11

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 191.632+/-0.046 χ^2/NDF:5529180.6/20

Out: 165.504+/-0.038 χ^2/NDF:6662134.8/25

All: 176.299+/-0.029 χ^2/NDF: 12381778.0/46



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -163.580+/-24.656 χ^2/NDF:7.3/6

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -146.912+/-27.067 χ^2/NDF:5.7/4

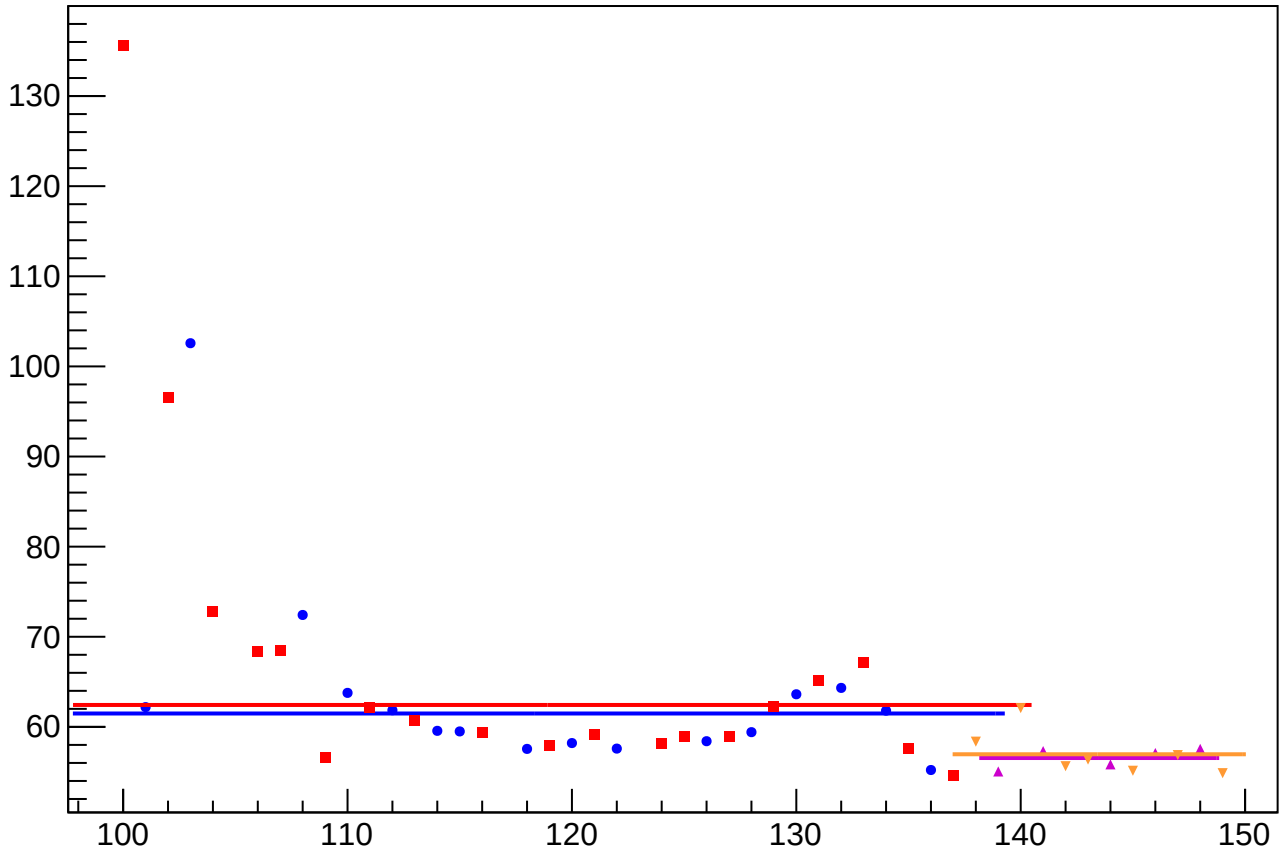
Left: -156.021+/-18.227 χ^2/NDF: 13.2/11

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -192.462+/-17.579 χ^2/NDF:33.2/20

Out: -148.589+/-16.898 χ^2/NDF:52.9/25

All: -169.659+/-12.182 χ^2/NDF: 89.3/46



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.962+/-0.017 χ^2/NDF:17219.0/6

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.546+/-0.019 χ^2/NDF:2538.1/4

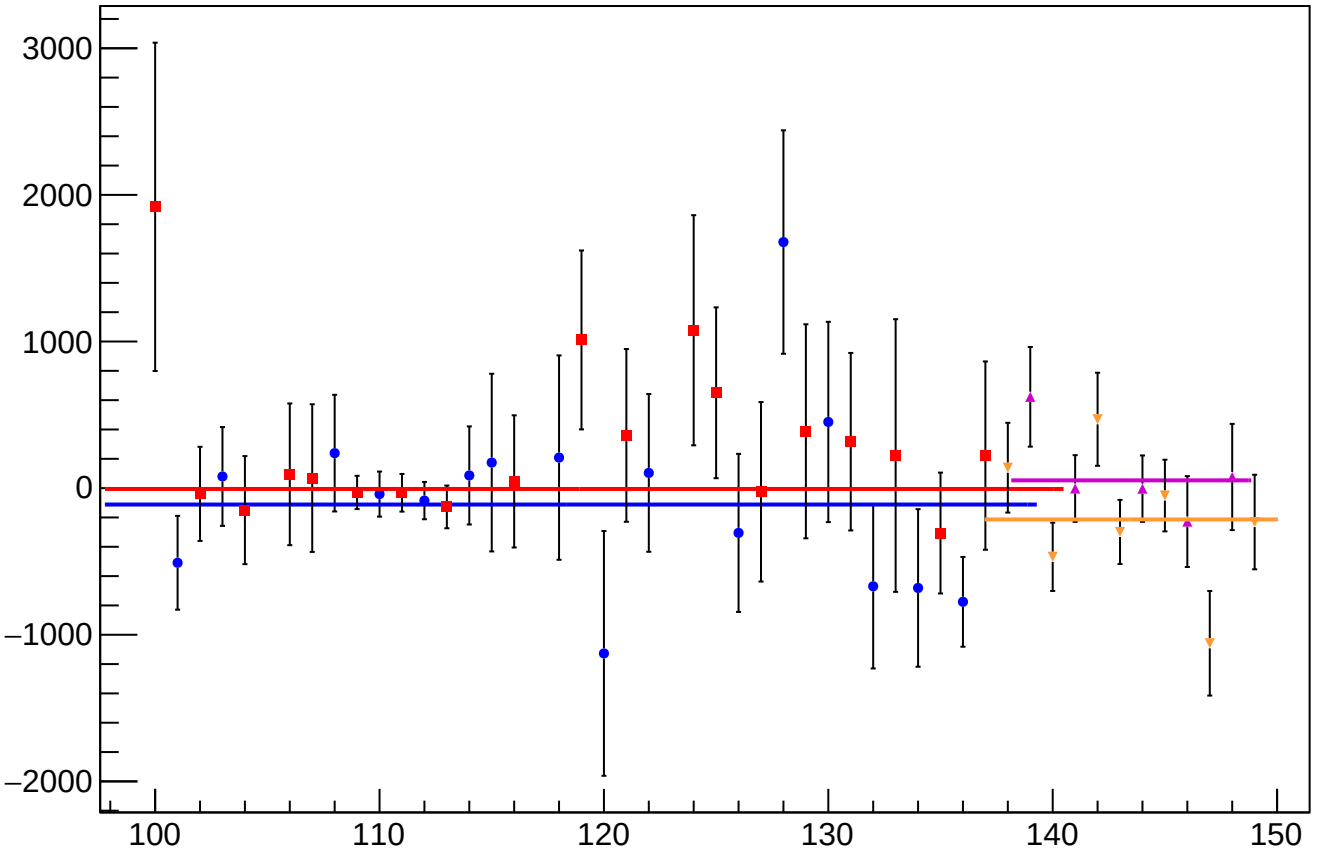
Left: 56.773+/-0.013 χ^2/NDF: 20015.1/11

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.402+/-0.012 χ^2/NDF:291729.9/20

Out: 59.863+/-0.012 χ^2/NDF:348846.3/25

All: 59.642+/-0.009 χ^2/NDF: 641290.3/46



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -213.577+/-103.057 χ^2/NDF:13.4/6

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 53.097+/-123.520 χ^2/NDF:3.8/4

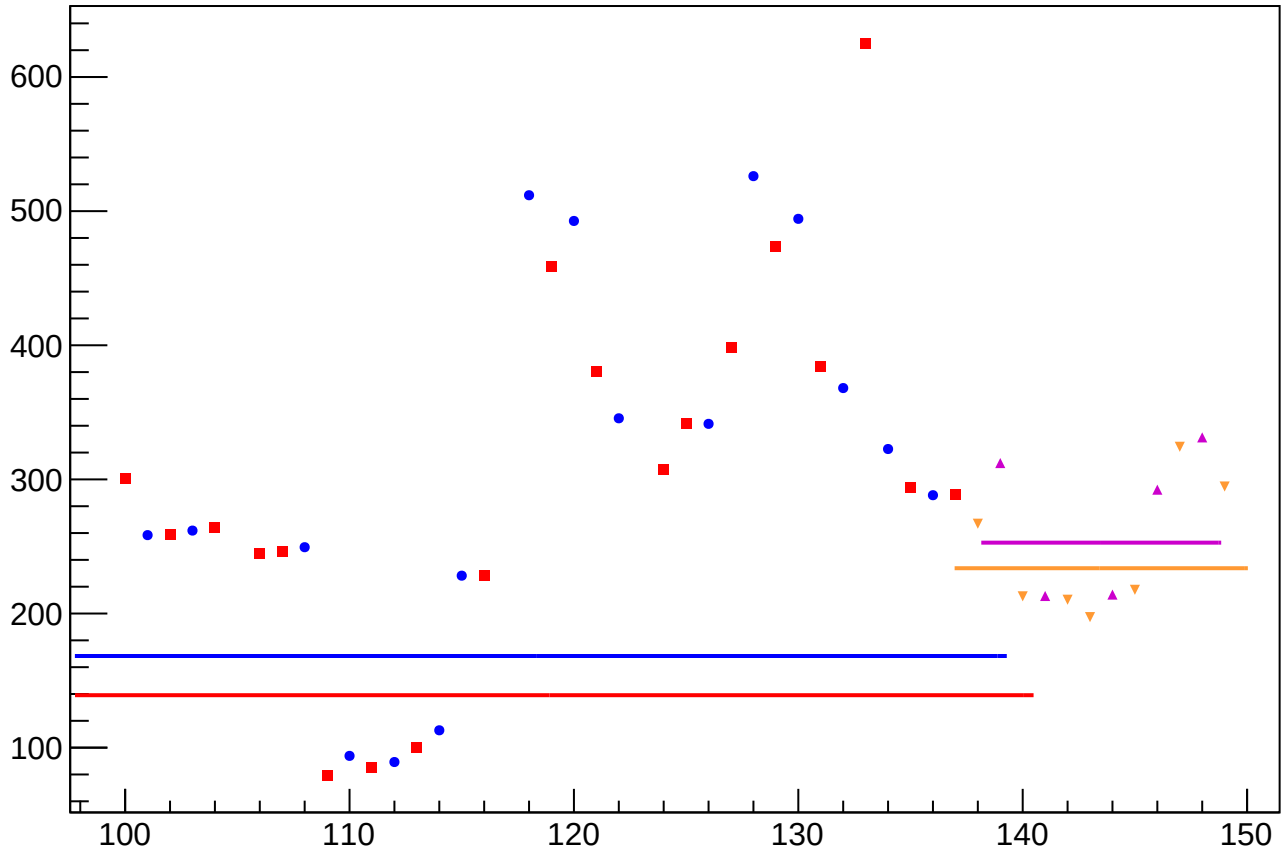
Left: -104.130+/-79.131 χ^2/NDF: 19.9/11

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -66.381+/-64.860 χ^2/NDF:23.5/20

Out: -63.607+/-54.421 χ^2/NDF:27.9/25

All: -64.753+/-41.690 χ^2/NDF: 51.4/46



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 233.775+/-0.073 χ^2/NDF:315025.9/6

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: 241.600+/-0.056 χ^2/NDF: 650121.3/11

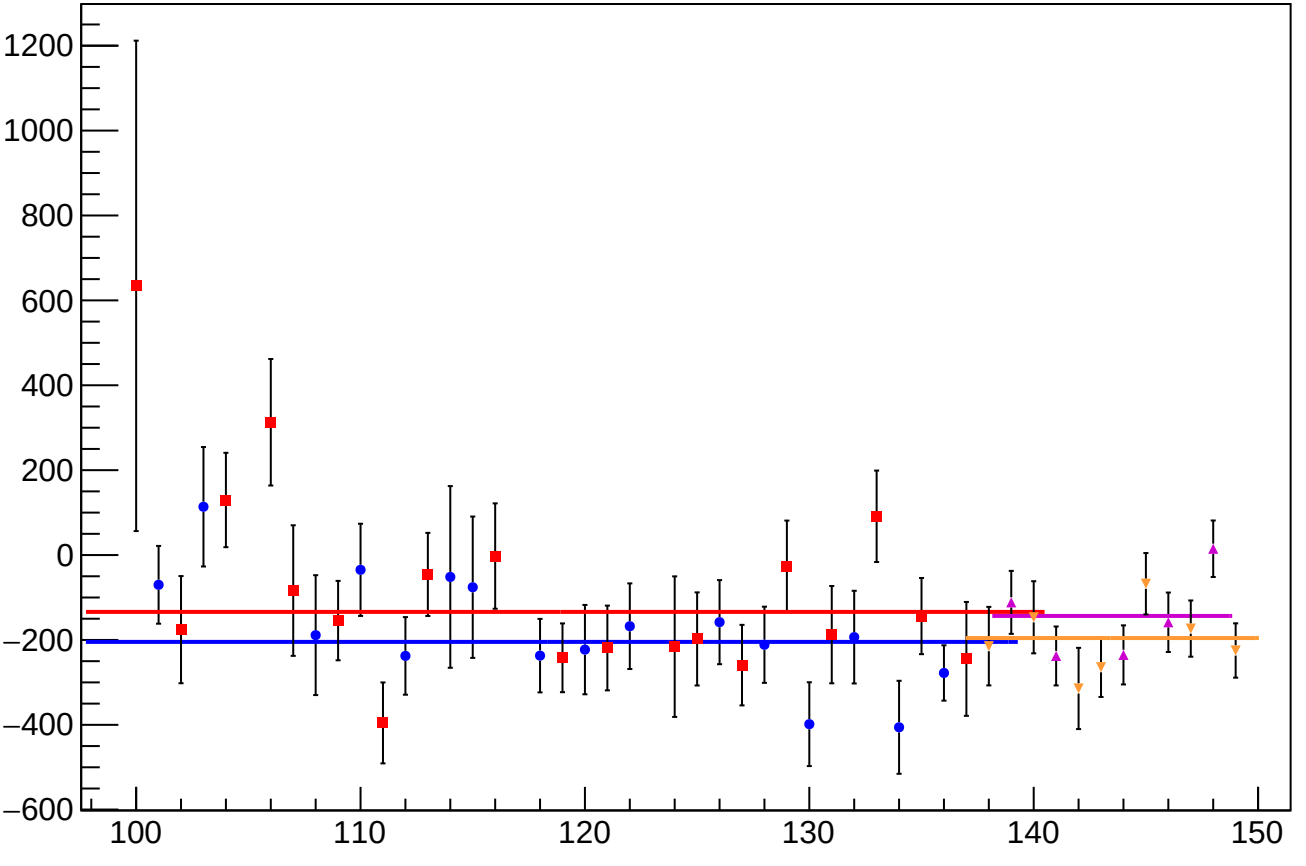
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 191.632+/-0.046 χ^2/NDF:5529180.6/20

Out: 165.504+/-0.038 χ^2/NDF:6662134.8/25

All: 176.299+/-0.029 χ^2/NDF: 12381778.0/46

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -195.544+/-28.493 χ^2/NDF:6.3/6

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: -171.858+/-21.047 χ^2/NDF: 17.3/11

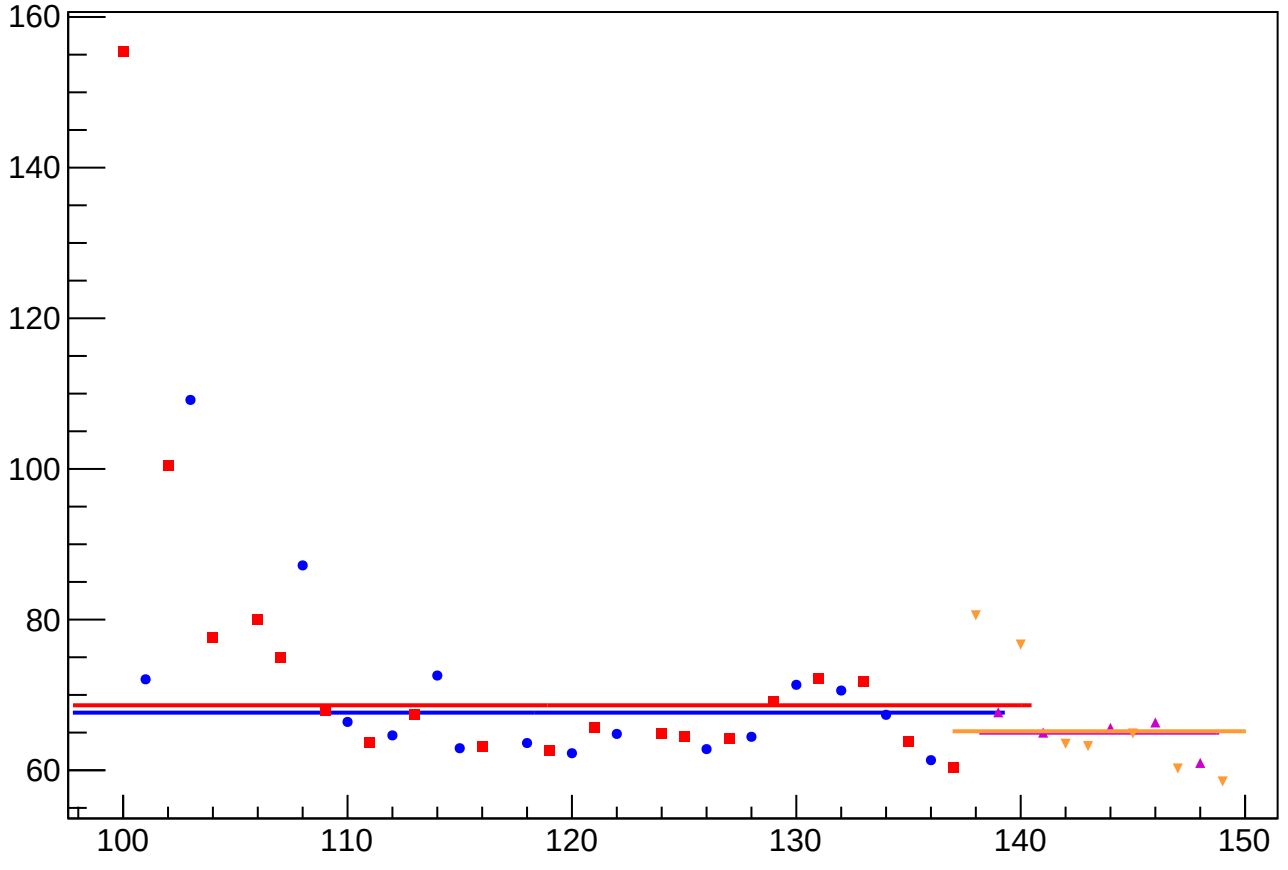
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -180.078+/-19.761 χ^2/NDF:31.8/20

Out: -161.309+/-18.995 χ^2/NDF:46.2/25

All: -170.322+/-13.694 χ^2/NDF: 78.4/46

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 65.176+/-0.020 χ^2/NDF:127147.2/6

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.985+/-0.022 χ^2/NDF:10857.2/4

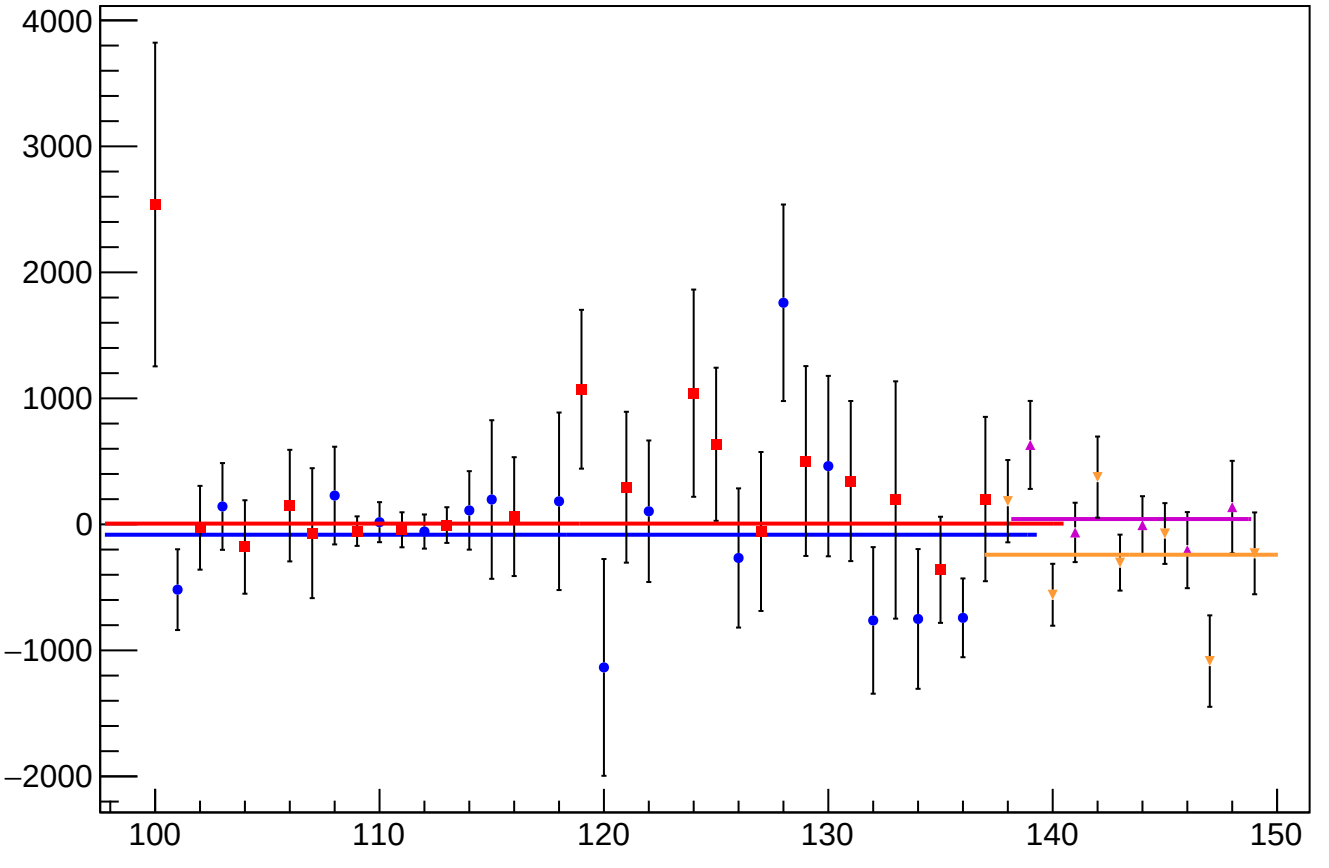
Left: 65.089+/-0.015 χ^2/NDF: 138045.1/11

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 66.581+/-0.014 χ^2/NDF:283242.4/20

Out: 67.092+/-0.013 χ^2/NDF:391582.5/25

All: 66.846+/-0.010 χ^2/NDF: 675518.7/46



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -240.985+/-105.329 χ^2/NDF:13.0/6

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 42.295+/-125.402 χ^2/NDF:3.8/4

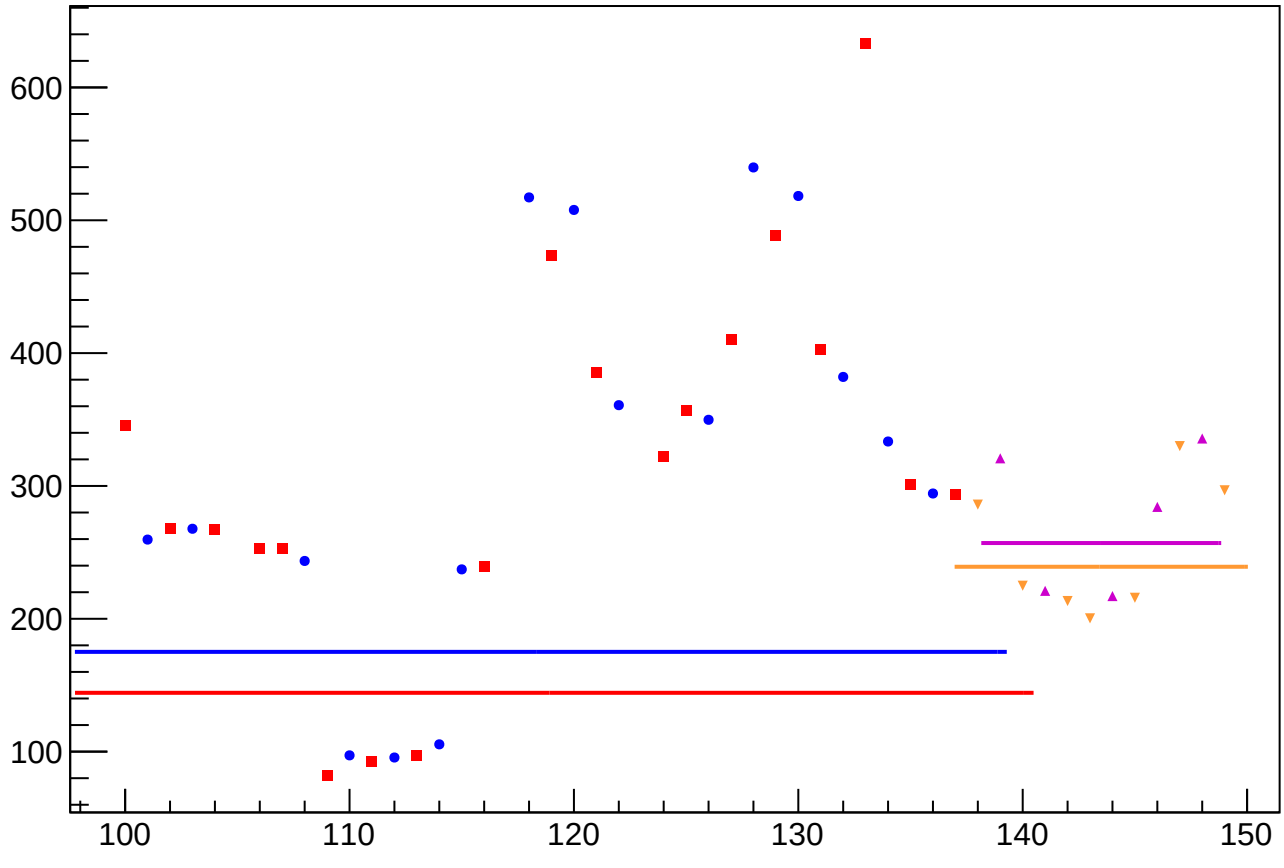
Left: -123.803+/-80.654 χ^2/NDF: 19.8/11

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -47.057+/-66.645 χ^2/NDF:23.7/20

Out: -63.452+/-55.873 χ^2/NDF:29.0/25

All: -56.685+/-42.817 χ^2/NDF: 52.8/46



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 239.167+/-0.074 χ^2/NDF:328622.2/6

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: 246.554+/-0.057 χ^2/NDF: 634507.8/11

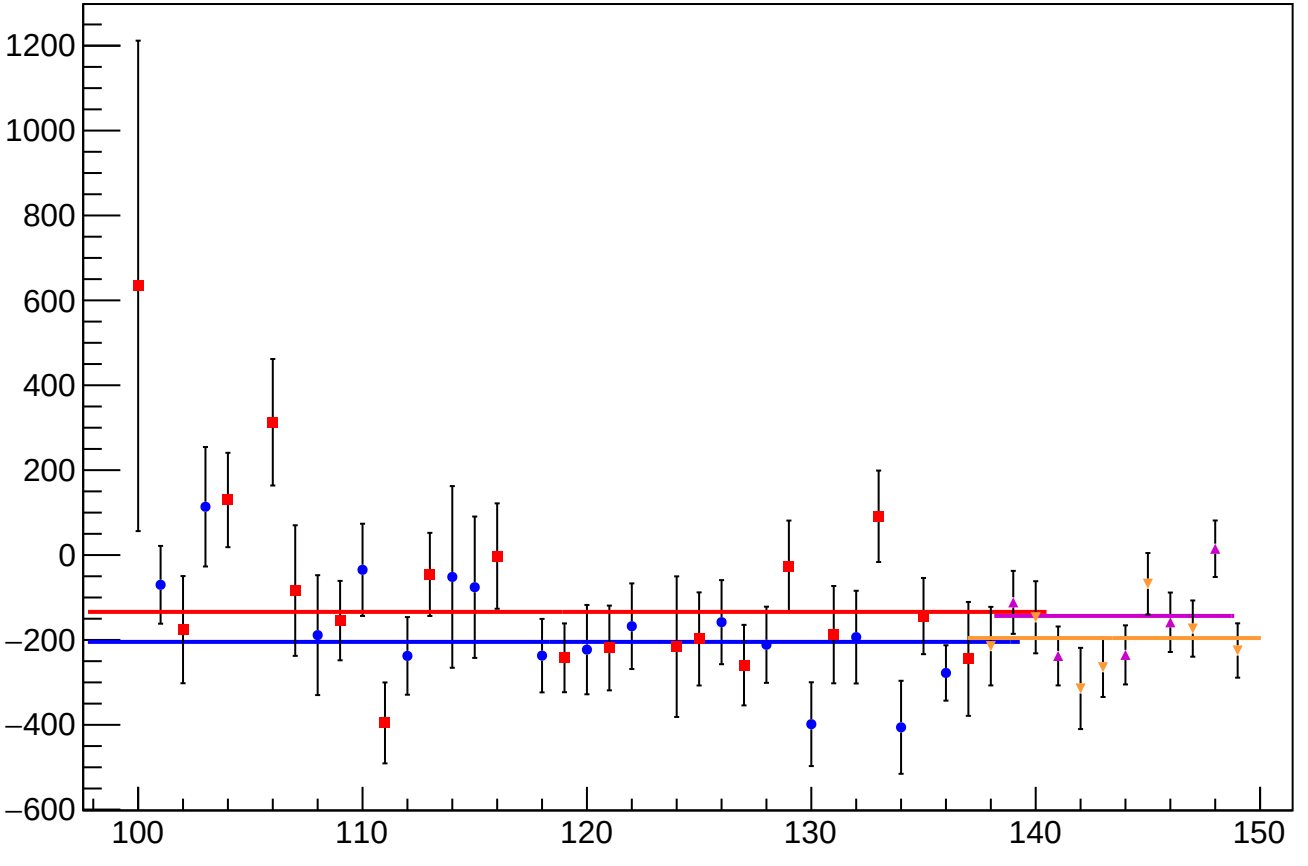
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 198.239+/-0.047 χ^2/NDF:5323704.9/20

Out: 170.977+/-0.040 χ^2/NDF:6627523.4/25

All: 182.229+/-0.030 χ^2/NDF: 12147757.8/46

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -195.545+/-28.493 χ^2/NDF:6.3/6

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: -171.858+/-21.047 χ^2/NDF: 17.3/11

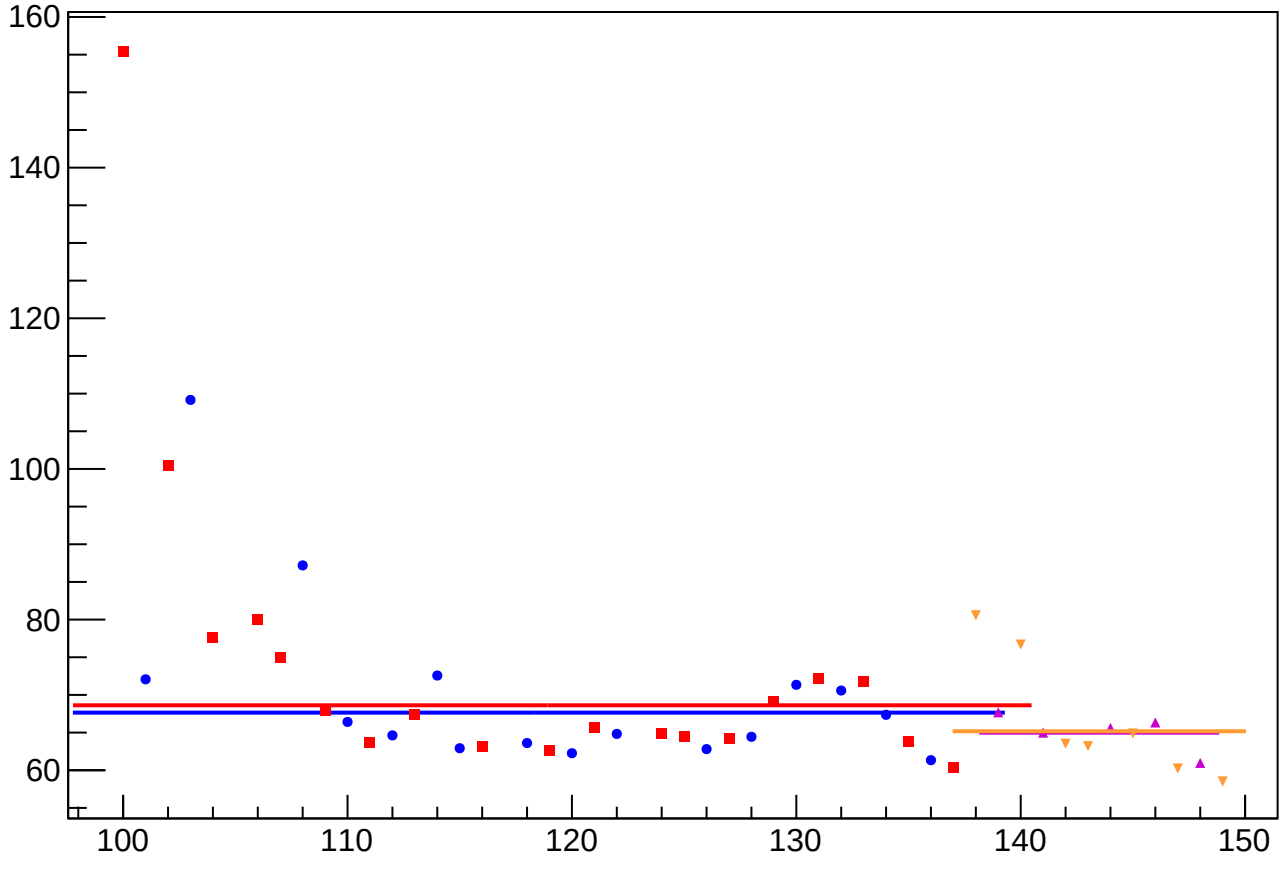
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -180.078+/-19.761 χ^2/NDF:31.8/20

Out: -161.310+/-18.995 χ^2/NDF:46.2/25

All: -170.323+/-13.694 χ^2/NDF: 78.4/46

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 65.176+/-0.020 χ^2/NDF:127145.5/6

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: 65.089+/-0.015 χ^2/NDF: 138043.6/11

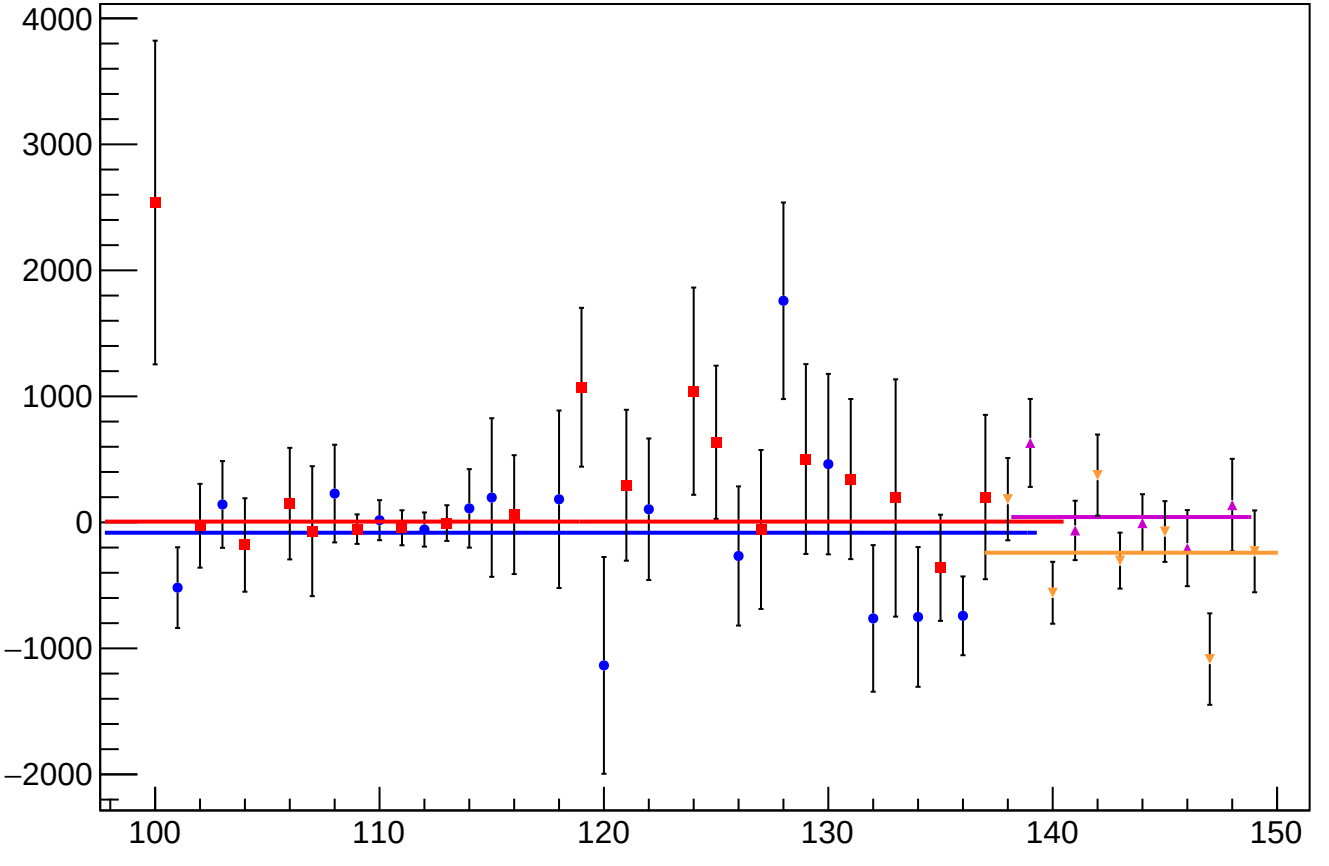
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 66.581+/-0.014 χ^2/NDF:283239.8/20

Out: 67.092+/-0.013 χ^2/NDF:391579.4/25

All: 66.846+/-0.010 χ^2/NDF: 675513.0/46

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -240.986+/-105.329 χ^2/NDF:13.0/6

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 42.295+/-125.401 χ^2/NDF:3.8/4

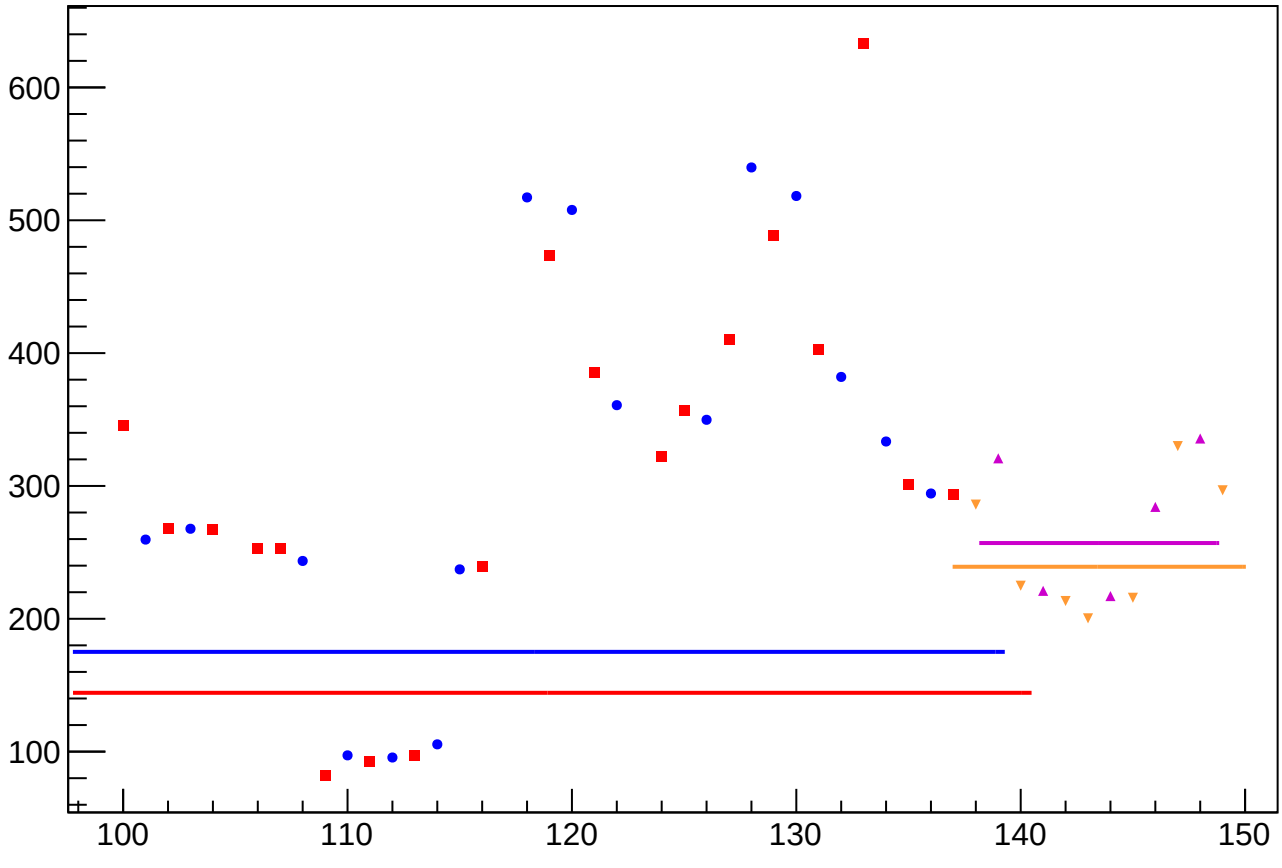
Left: -123.804+/-80.653 χ^2/NDF: 19.8/11

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -47.056+/-66.645 χ^2/NDF:23.7/20

Out: -63.454+/-55.873 χ^2/NDF:29.0/25

All: -56.686+/-42.816 χ^2/NDF: 52.8/46



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 239.166+/-0.074 χ^2/NDF:328623.7/6

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: 246.553+/-0.057 χ^2/NDF: 634507.6/11

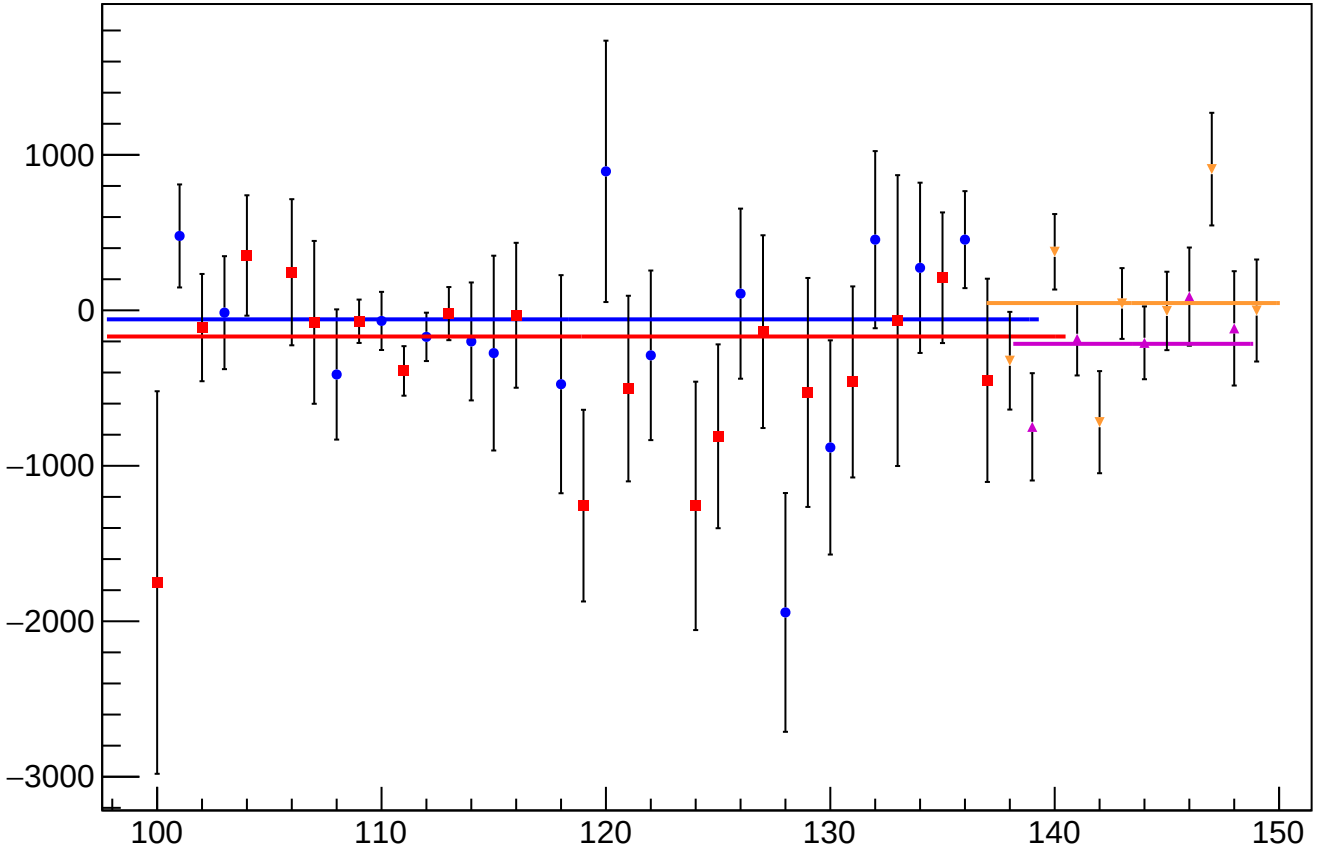
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 198.238+/-0.047 χ^2/NDF:5323736.1/20

Out: 170.977+/-0.040 χ^2/NDF:6627493.7/25

All: 182.229+/-0.030 χ^2/NDF: 12147748.3/46

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 46.825+/-106.423 χ^2/NDF:14.4/6

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: -61.444+/-81.552 χ^2/NDF: 20.3/11

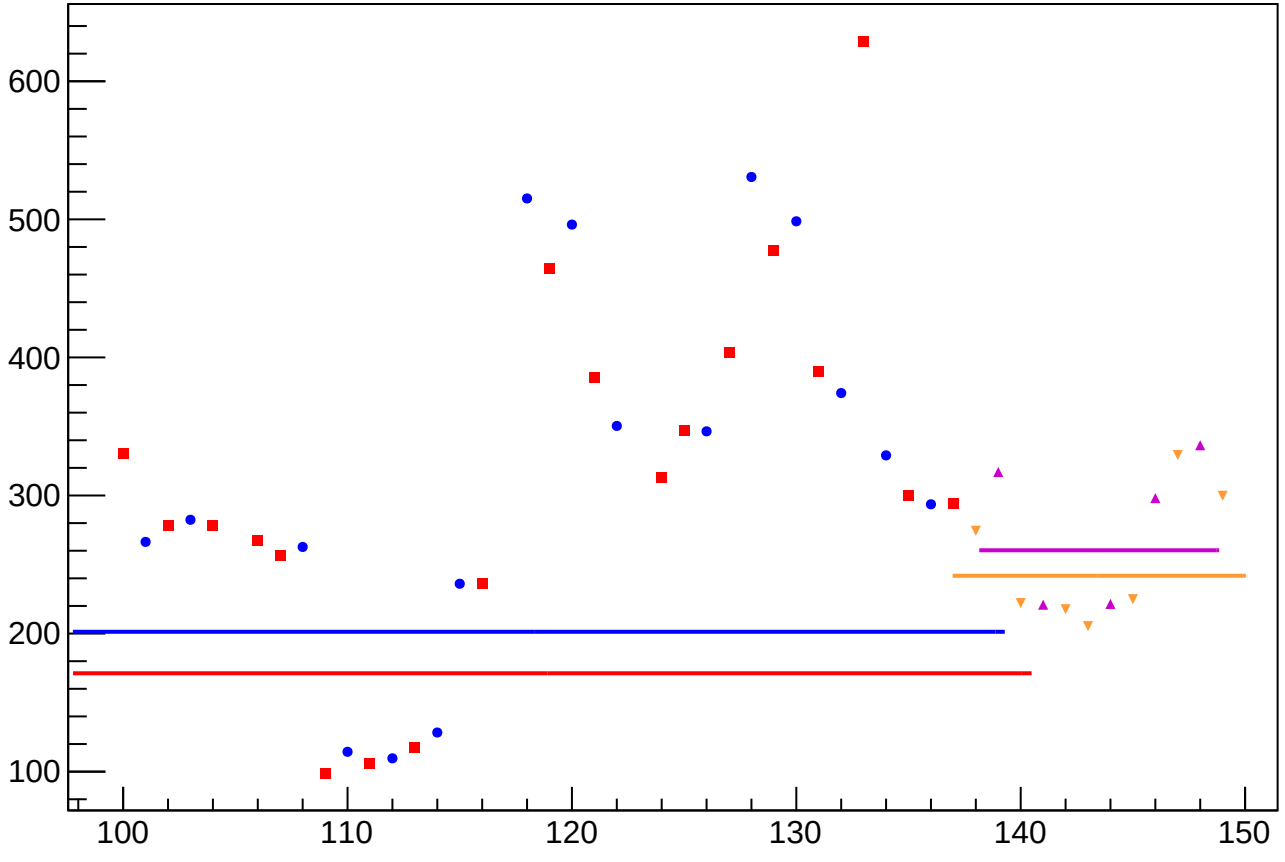
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -108.224+/-71.701 χ^2/NDF:21.8/20

Out: -97.439+/-61.085 χ^2/NDF:32.6/25

All: -101.975+/-46.499 χ^2/NDF: 54.5/46

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 241.876+/-0.075 χ^2/NDF:285133.2/6

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 260.326+/-0.090 χ^2/NDF:279157.0/4

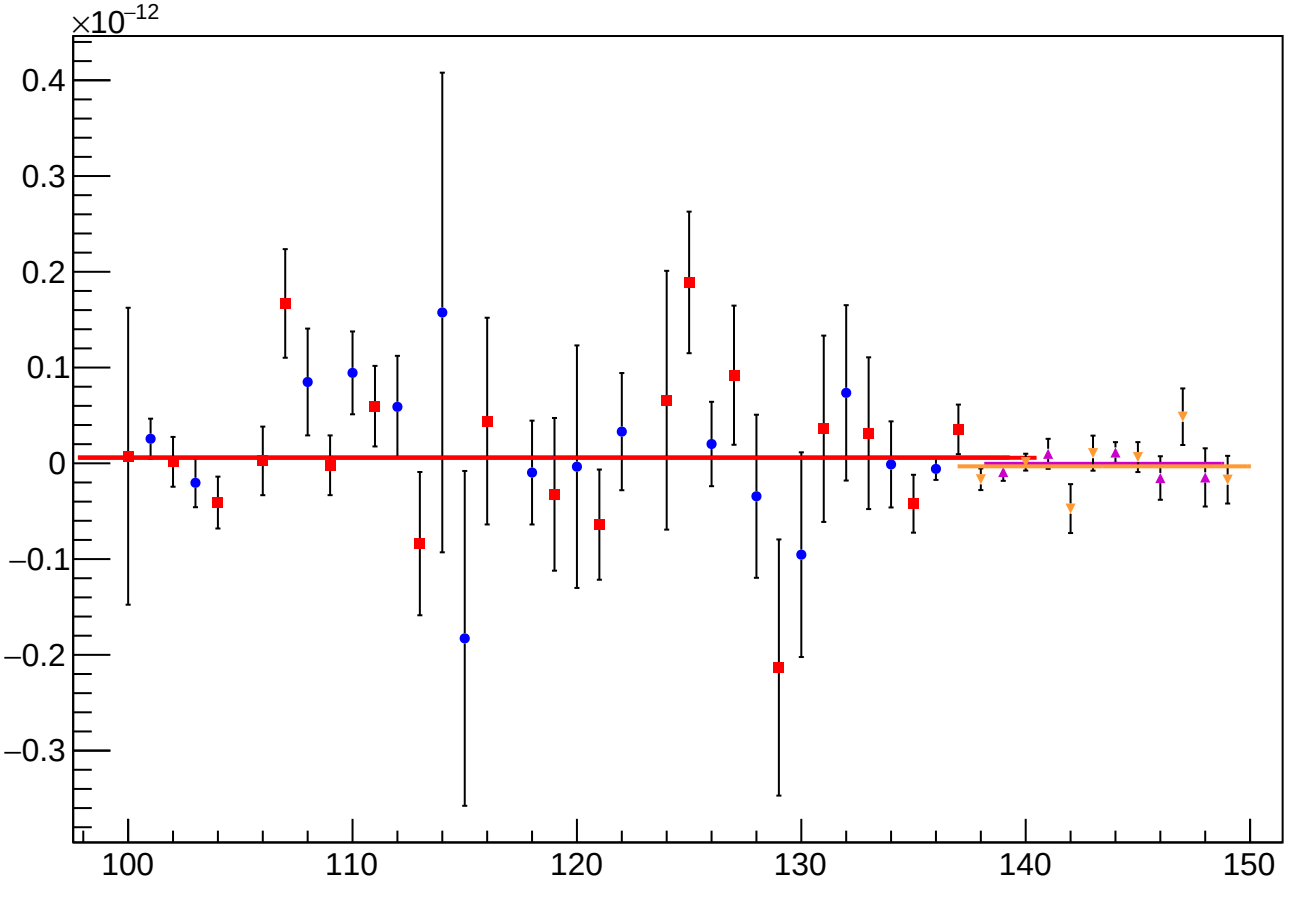
Left: 249.492+/-0.058 χ^2/NDF: 589101.8/11

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 220.134+/-0.051 χ^2/NDF:4145823.5/20

Out: 194.520+/-0.043 χ^2/NDF:5068288.9/25

All: 205.292+/-0.033 χ^2/NDF: 9362010.8/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

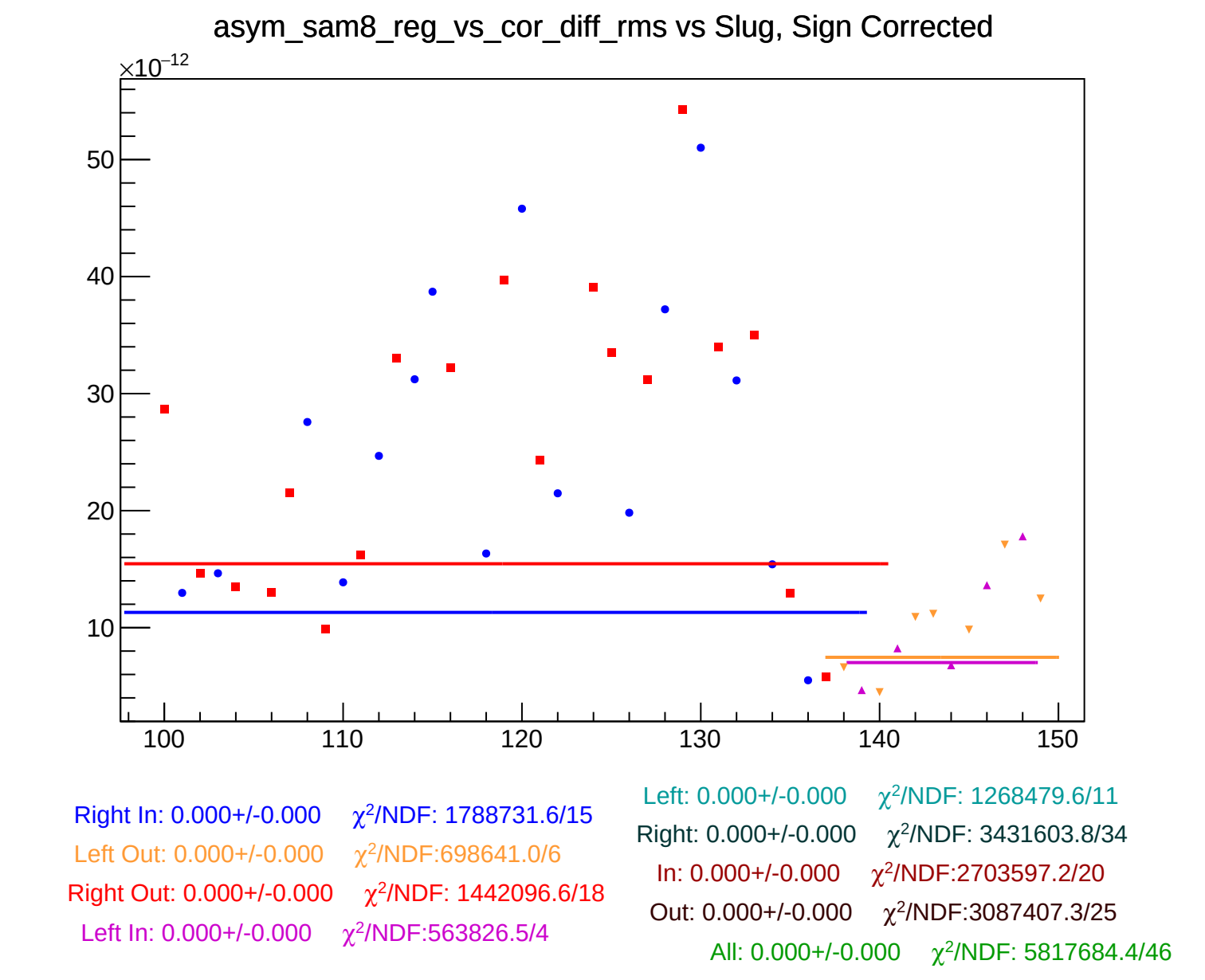
Left: -0.000+/-0.000 χ^2/NDF: 12.2/11

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:40.1/25

All: 0.000+/-0.000 χ^2/NDF: 57.6/46


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
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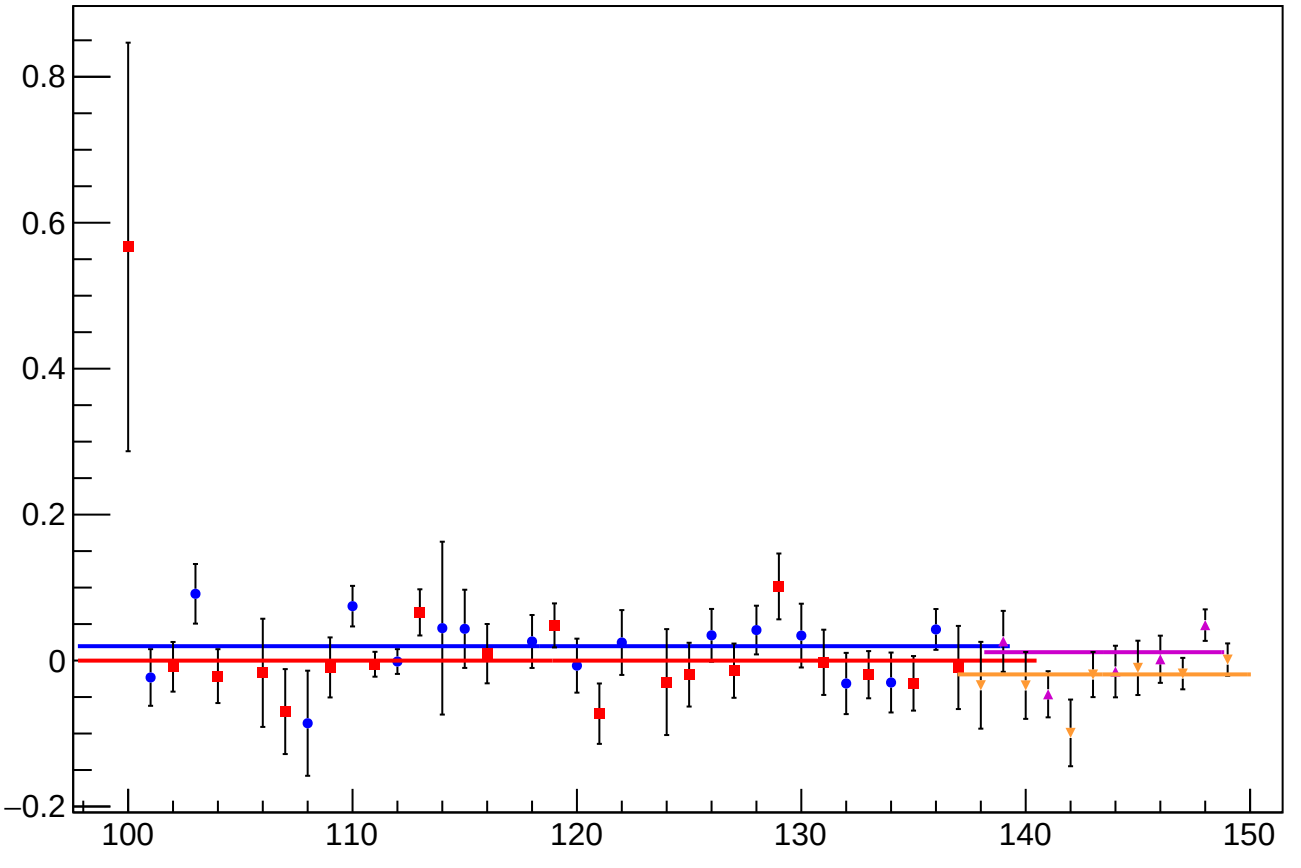
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:698641.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:563826.5/4
Left: 0.000+/-0.000 χ²/NDF: 1268479.6/11
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2703597.2/20
Out: 0.000+/-0.000 χ²/NDF:3087407.3/25
All: 0.000+/-0.000 χ²/NDF: 5817684.4/46



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

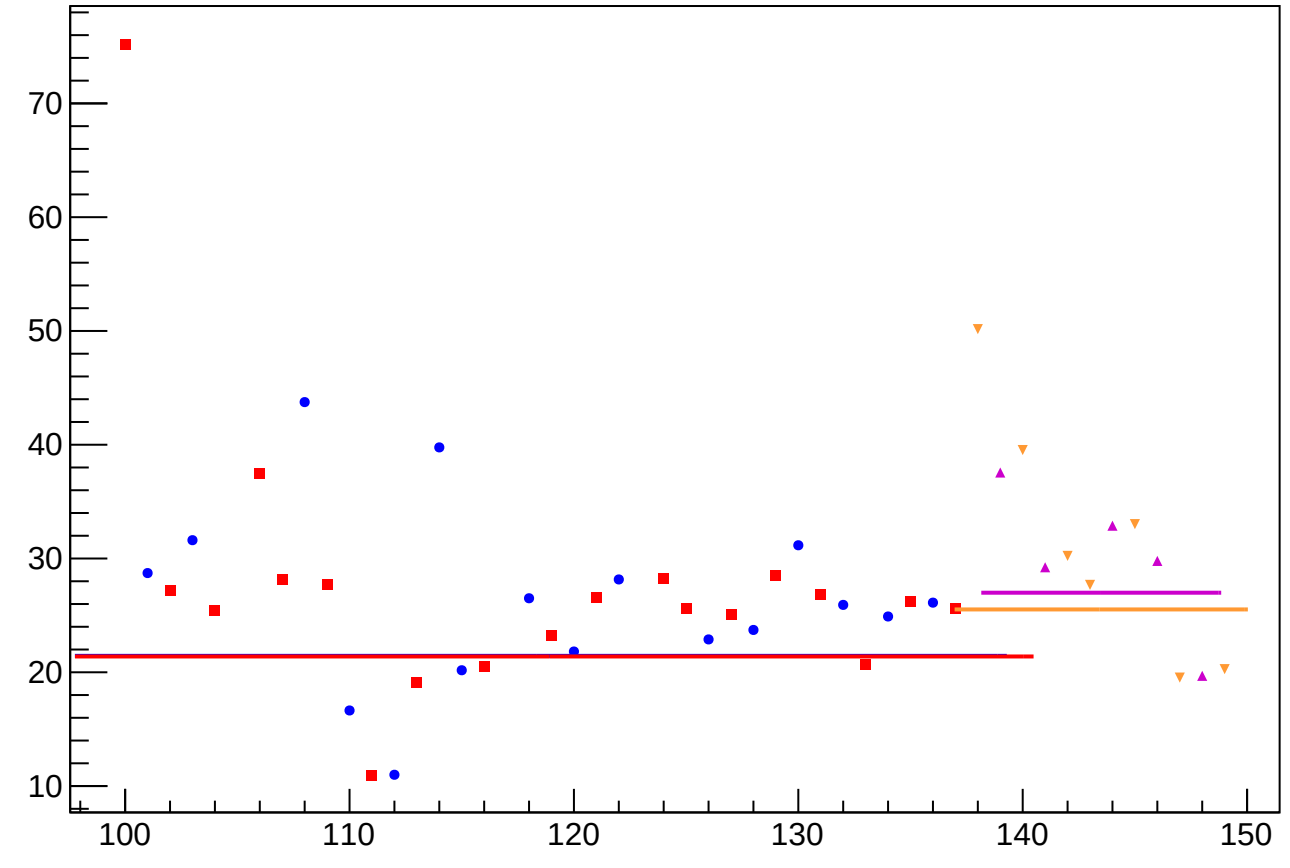
Left: -0.006+/-0.009 χ^2/NDF: 14.1/11

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:28.7/25

All: 0.005+/-0.005 χ^2/NDF: 58.7/46



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.523+/-0.008 χ^2/NDF:908701.8/6

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

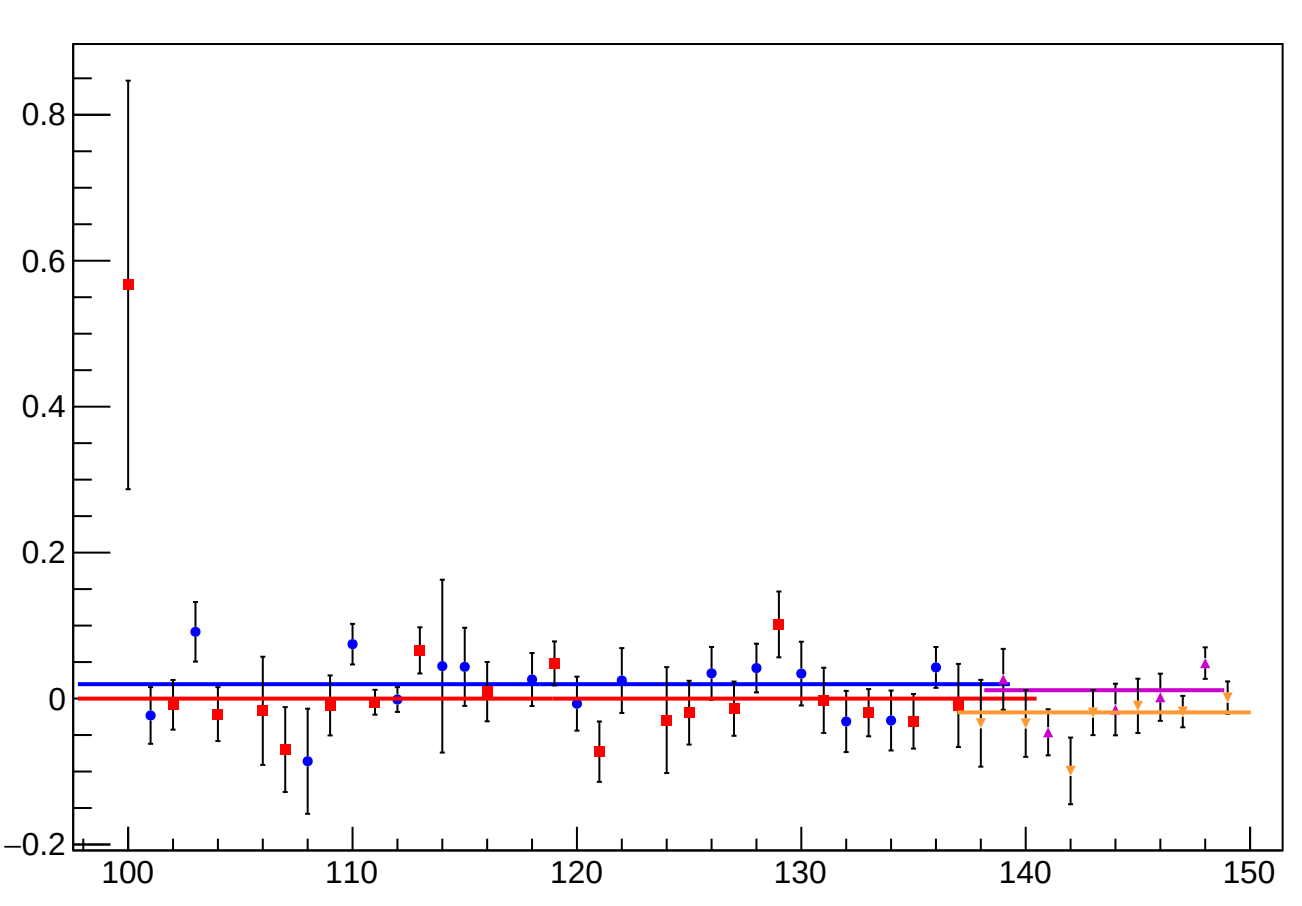
Left: 26.159+/-0.006 χ^2/NDF: 1359673.0/11

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.066+/-0.005 χ^2/NDF:2216994.3/20

Out: 22.804+/-0.005 χ^2/NDF:2382286.8/25

All: 22.928+/-0.004 χ^2/NDF: 4600639.3/46



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

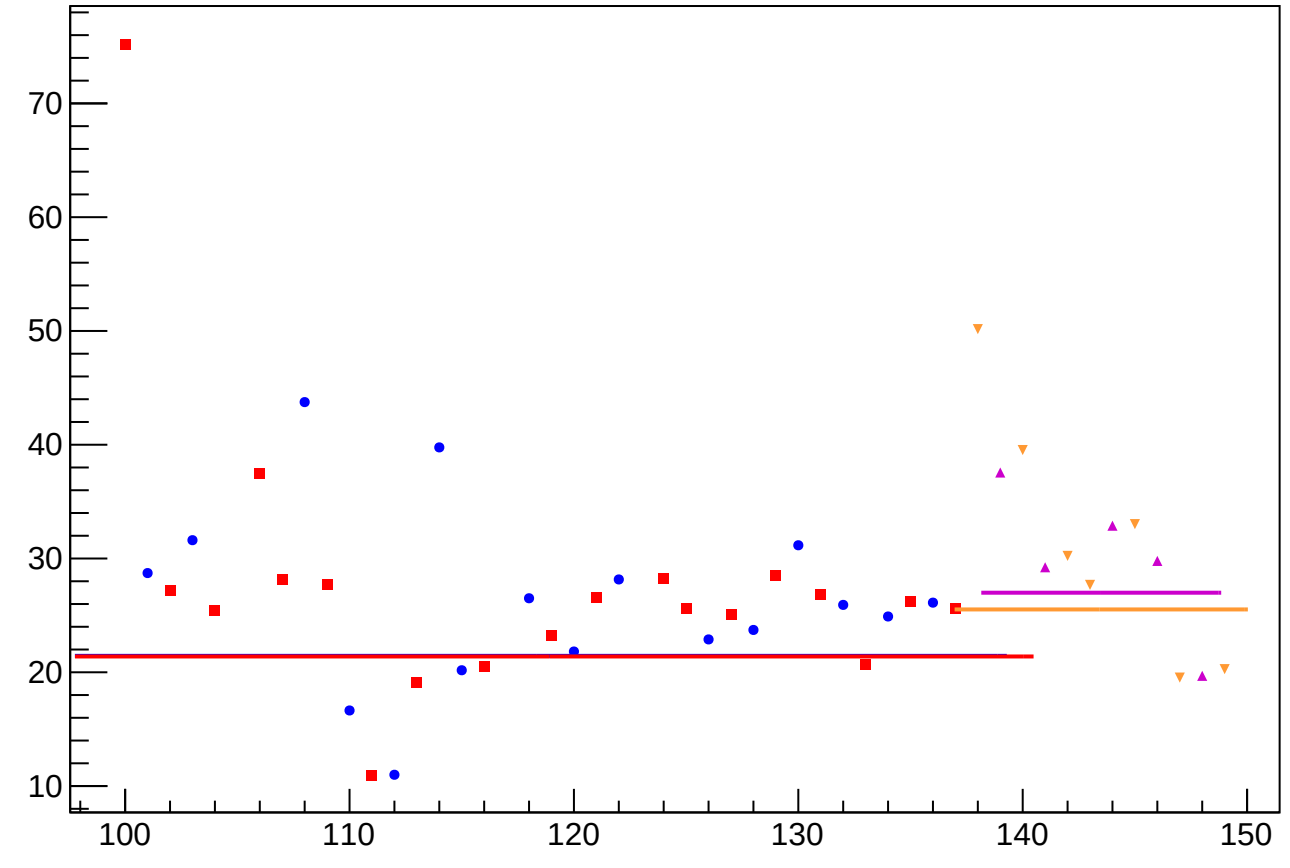
Left: -0.006+/-0.009 χ^2/NDF: 14.1/11

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:28.7/25

All: 0.005+/-0.005 χ^2/NDF: 58.7/46



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.523+/-0.008 χ^2/NDF:908701.8/6

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 26.994+/-0.010 χ^2/NDF:437529.7/4

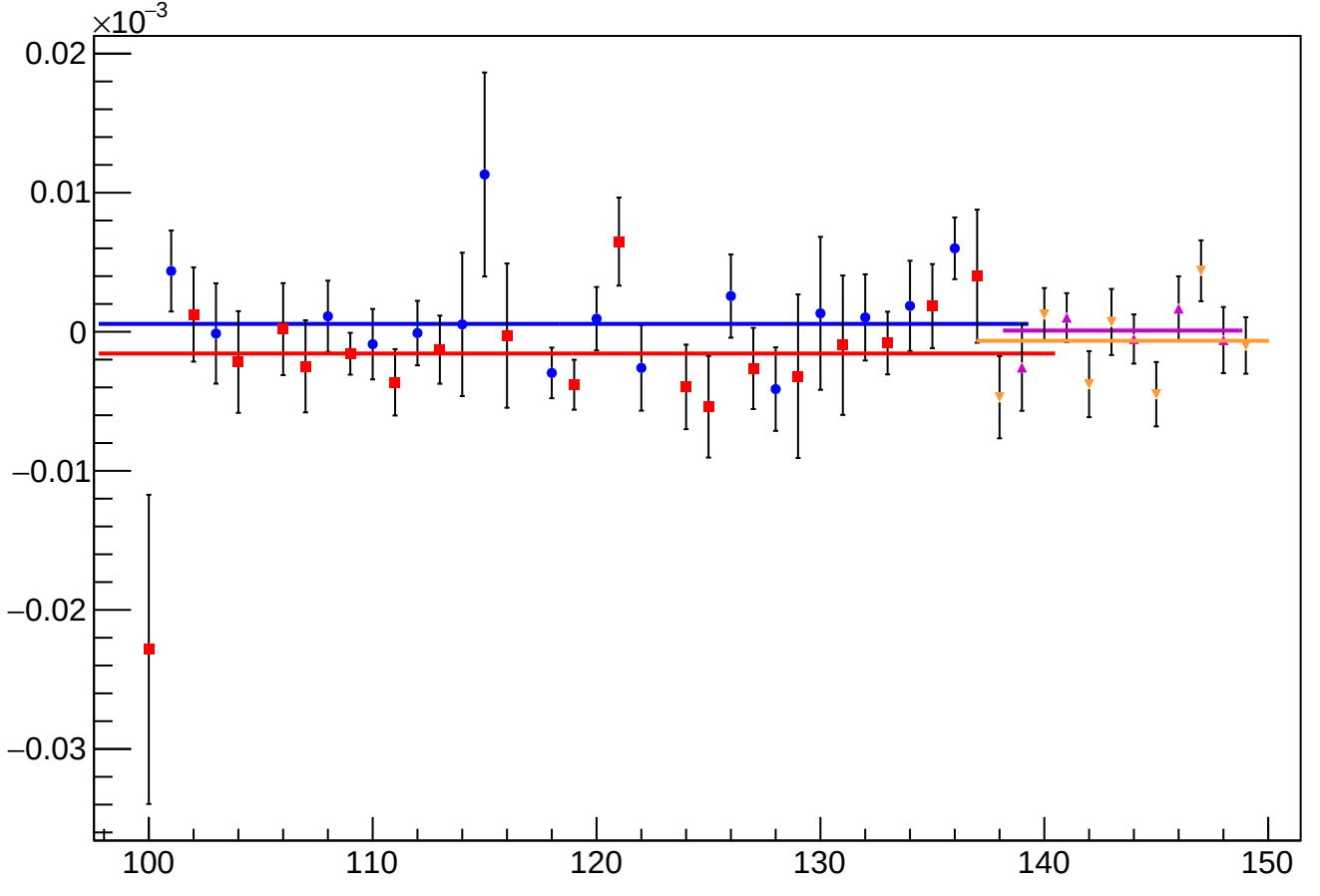
Left: 26.159+/-0.006 χ^2/NDF: 1359673.0/11

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.066+/-0.005 χ^2/NDF:2216994.3/20

Out: 22.804+/-0.005 χ^2/NDF:2382286.8/25

All: 22.928+/-0.004 χ^2/NDF: 4600639.3/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/4

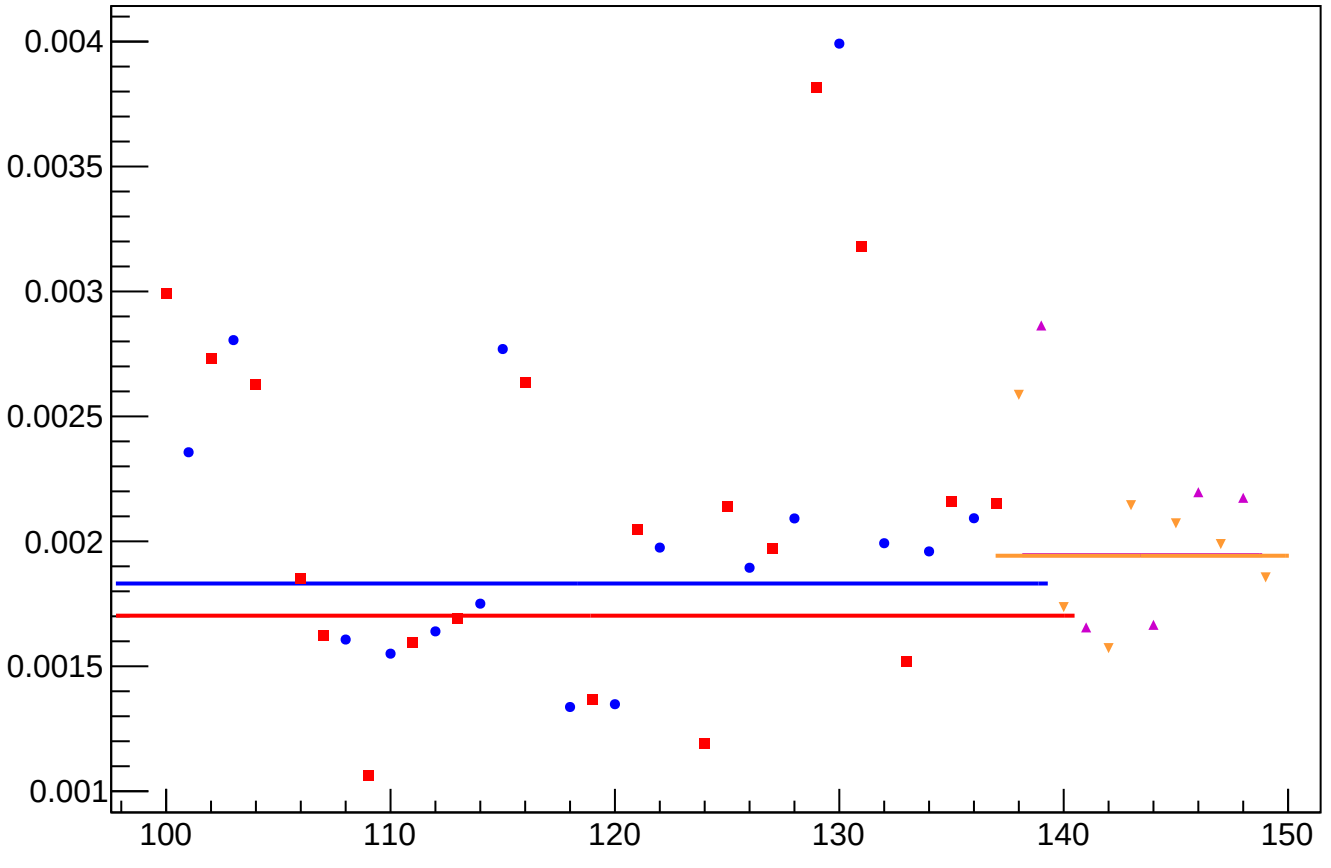
Left: -0.000+/-0.000 χ^2/NDF: 15.0/11

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:32.0/25

All: -0.000+/-0.000 χ^2/NDF: 56.5/46



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:192566.6/6

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:319826.5/4

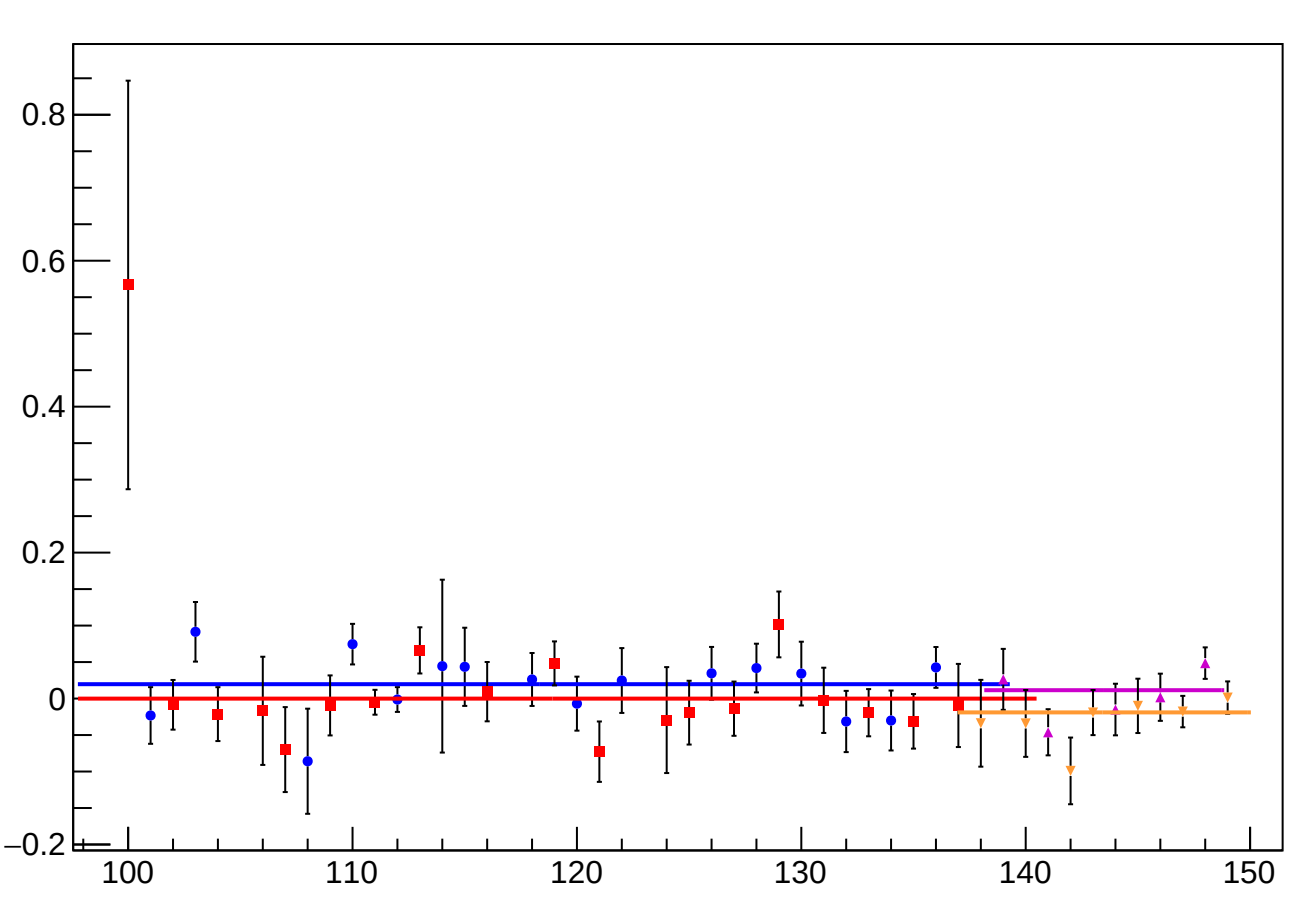
Left: 0.002+/-0.000 χ^2/NDF: 512399.7/11

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:1770125.9/25

All: 0.002+/-0.000 χ^2/NDF: 3029784.7/46



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

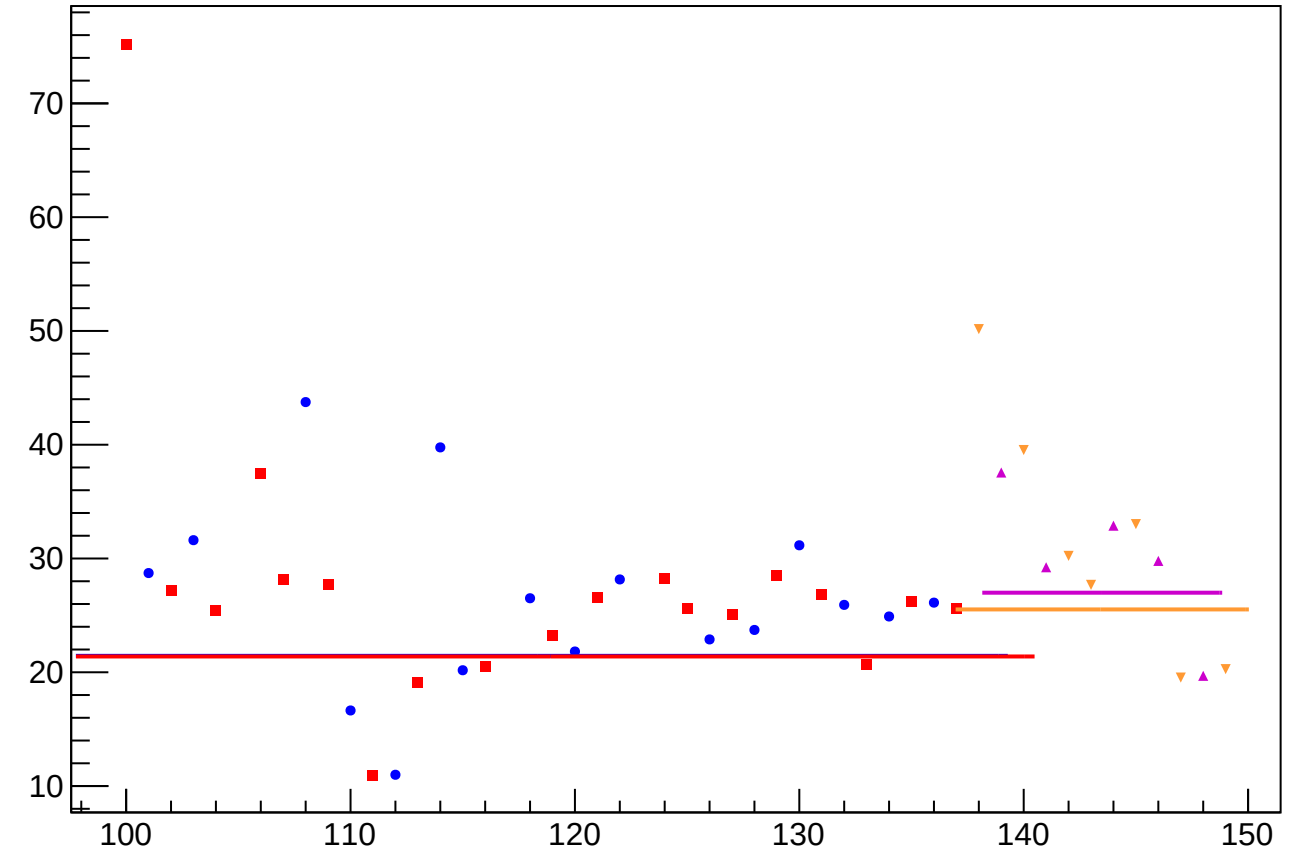
Left: -0.006+/-0.009 χ^2/NDF: 14.1/11

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:28.7/25

All: 0.005+/-0.005 χ^2/NDF: 58.7/46



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.524+/-0.008 χ^2/NDF:908692.6/6

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: 26.159+/-0.006 χ^2/NDF: 1359659.8/11

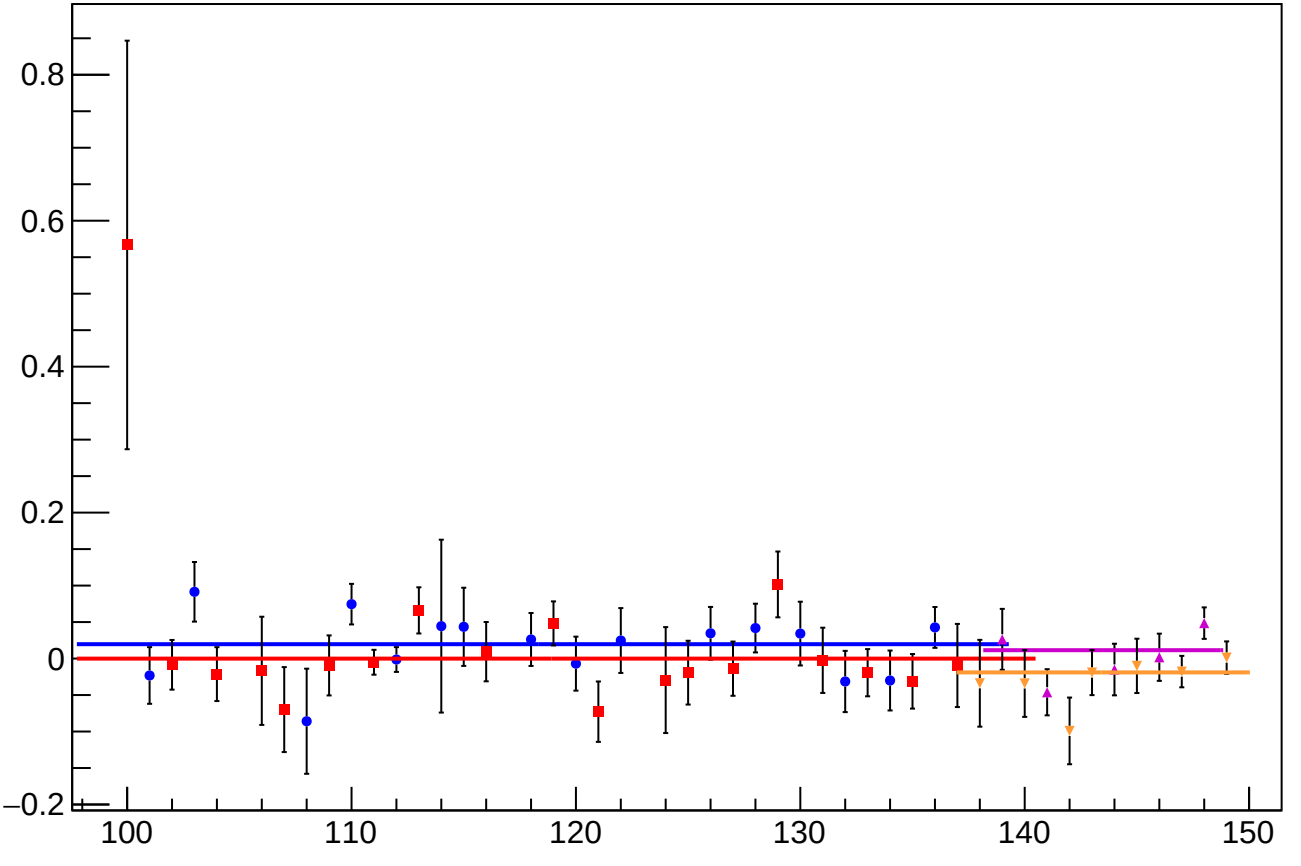
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.066+/-0.005 χ^2/NDF:2217215.3/20

Out: 22.804+/-0.005 χ^2/NDF:2382472.3/25

All: 22.927+/-0.004 χ^2/NDF: 4601044.9/46

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: -0.019+/-0.012 χ^2/NDF:4.1/6

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.014 χ^2/NDF:7.1/4

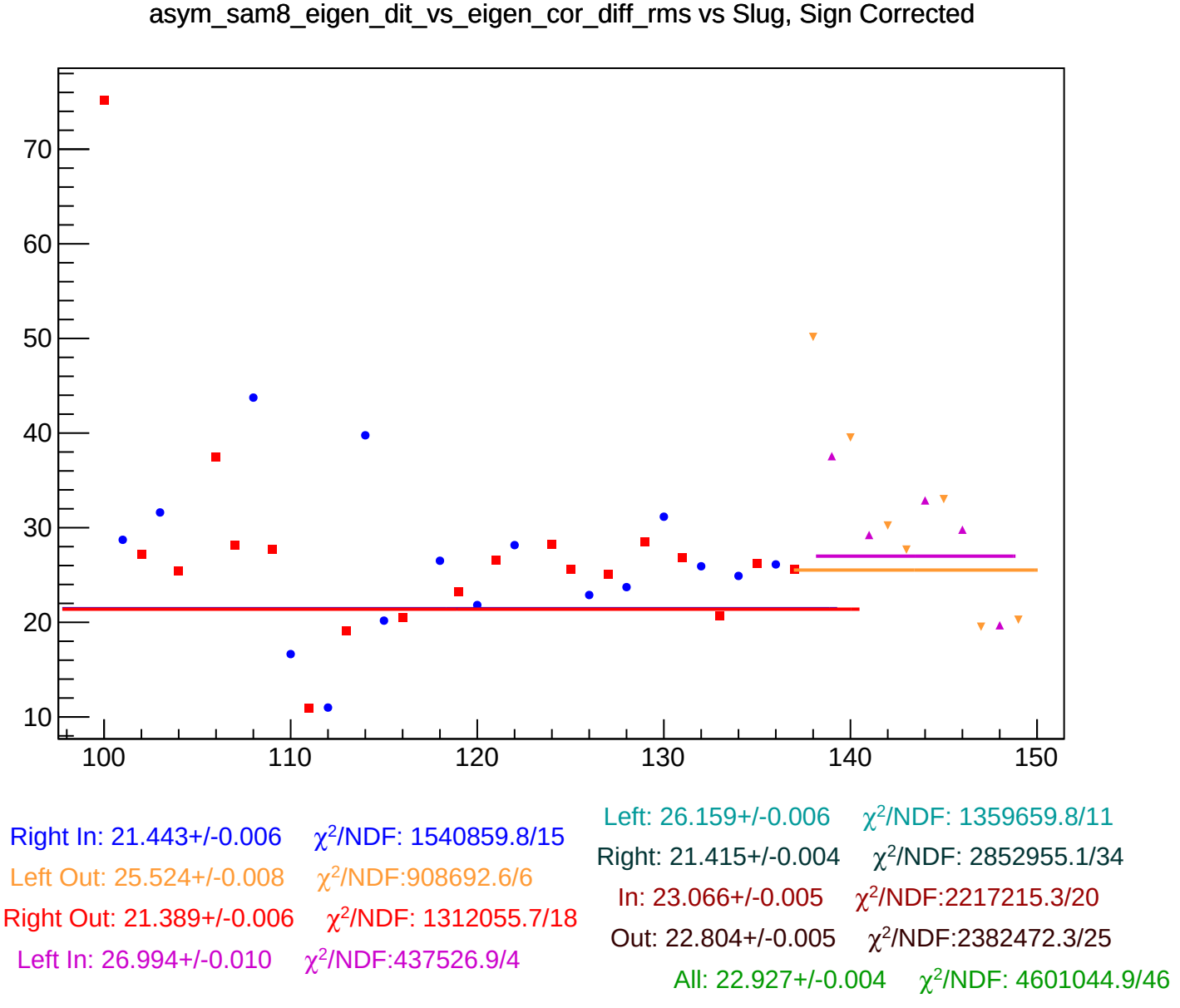
Left: -0.006+/-0.009 χ^2/NDF: 14.1/11

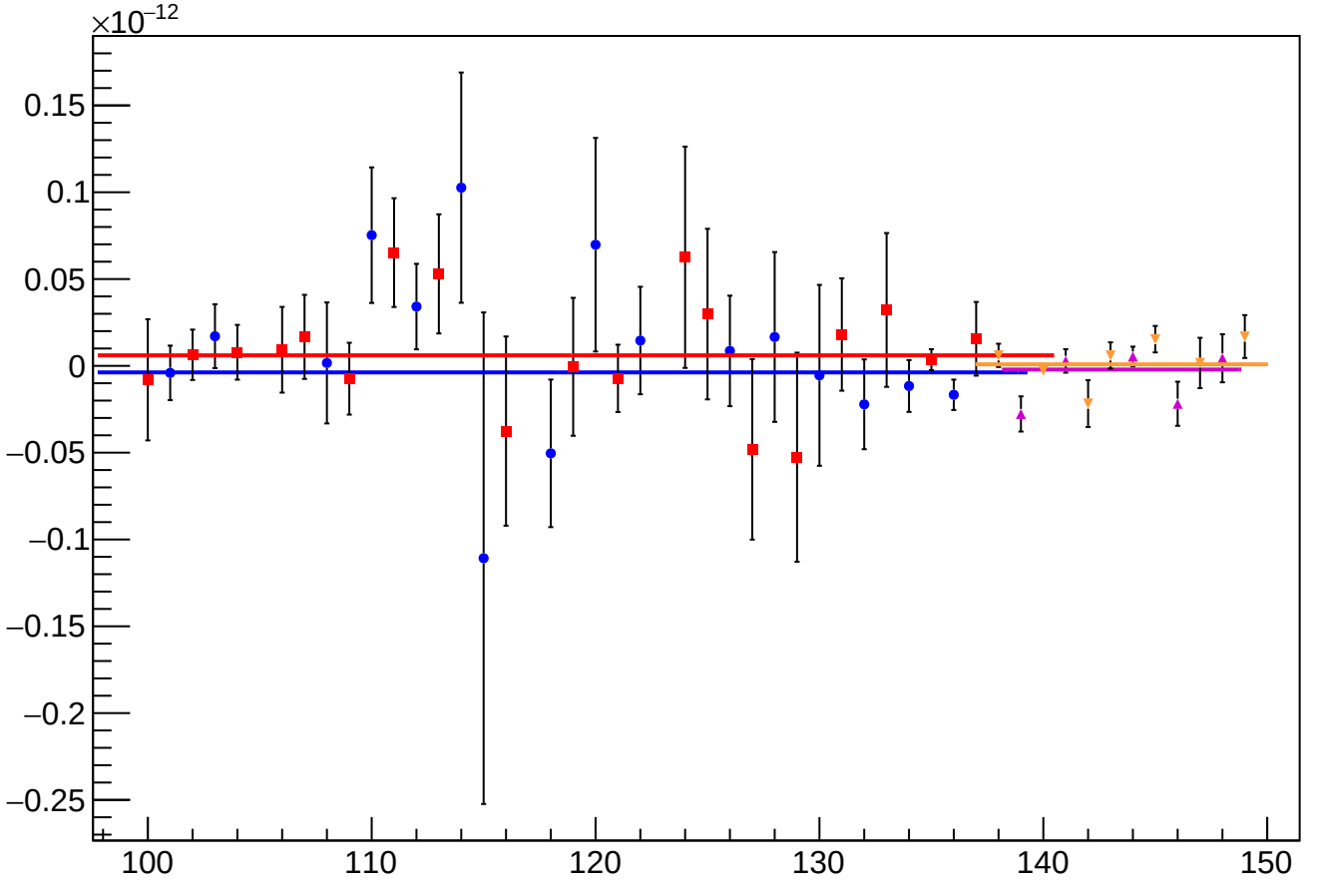
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.017+/-0.007 χ^2/NDF:24.4/20

Out: -0.007+/-0.007 χ^2/NDF:28.7/25

All: 0.005+/-0.005 χ^2/NDF: 58.7/46


asym_sam8_eigen_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: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 25.524+/-0.008 χ²/NDF:908692.6/6
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 26.994+/-0.010 χ²/NDF:437526.9/4
Left: 26.159+/-0.006 χ²/NDF: 1359659.8/11
Right: 21.415+/-0.004 χ²/NDF: 2852955.1/34
In: 23.066+/-0.005 χ²/NDF:2217215.3/20
Out: 22.804+/-0.005 χ²/NDF:2382472.3/25
All: 22.927+/-0.004 χ²/NDF: 4601044.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/4

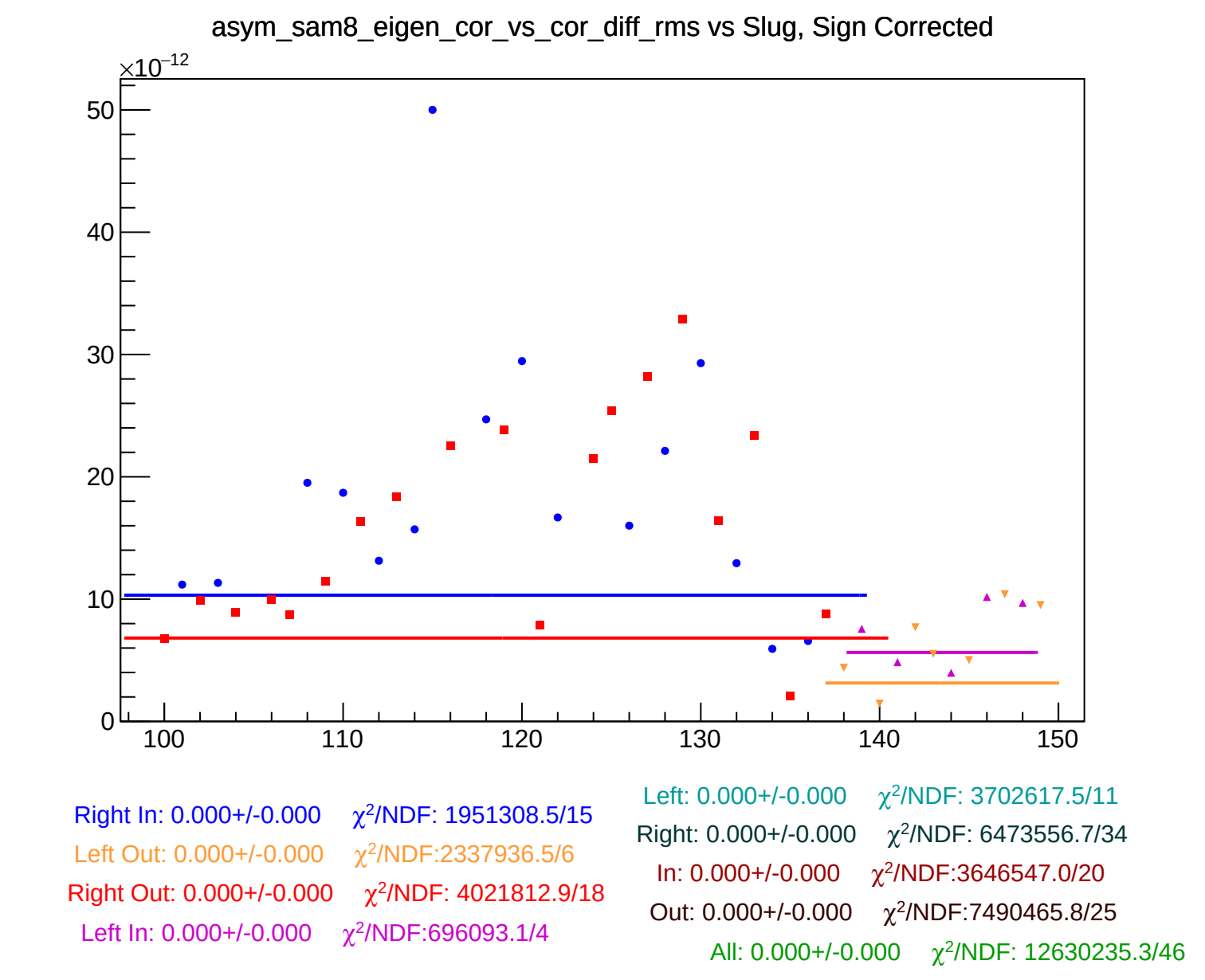
Left: 0.000+/-0.000 χ^2/NDF: 22.5/11

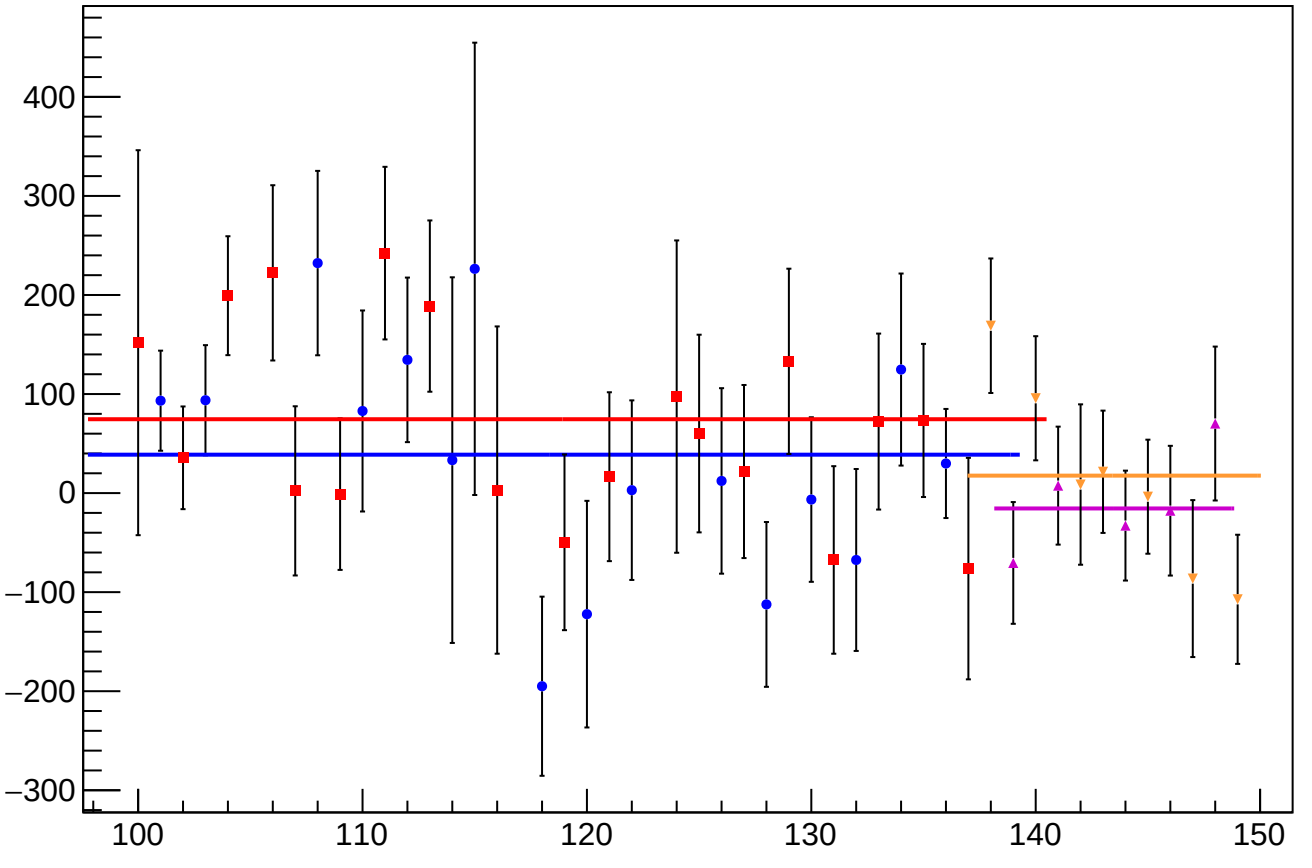
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:28.5/20

Out: 0.000+/-0.000 χ^2/NDF:23.2/25

All: 0.000+/-0.000 χ^2/NDF: 53.3/46


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:2337936.5/6
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: 3702617.5/11
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:7490465.8/25
All: 0.000+/-0.000 χ²/NDF: 12630235.3/46



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.633+/-25.134 χ^2/NDF:12.1/6

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: 2.874+/-18.721 χ^2/NDF: 15.1/11

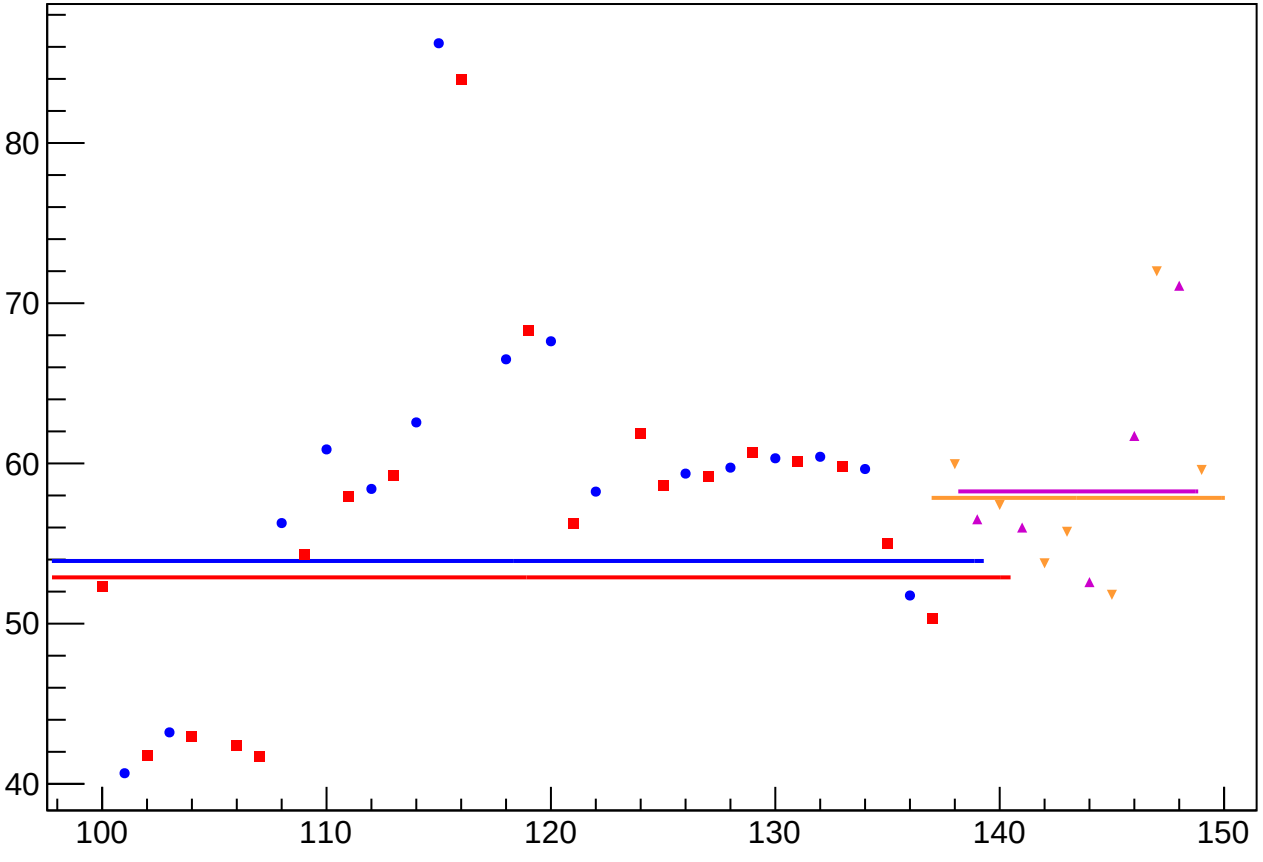
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 19.988+/-16.506 χ^2/NDF:28.0/20

Out: 52.769+/-15.554 χ^2/NDF:37.7/25

All: 37.351+/-11.320 χ^2/NDF: 67.8/46

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 57.850+/-0.018 χ^2/NDF:96680.2/6

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 58.254+/-0.020 χ^2/NDF:85483.7/4

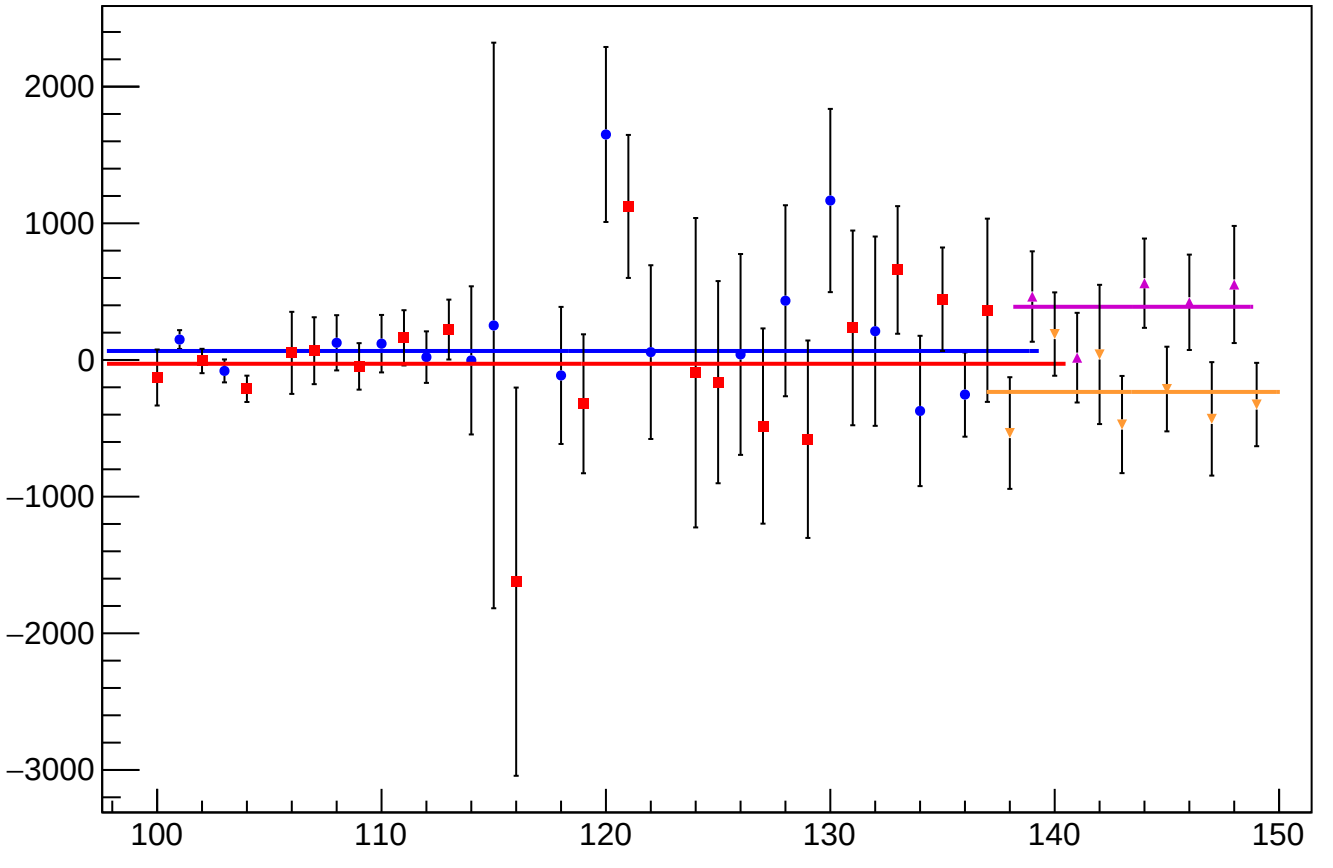
Left: 58.030+/-0.013 χ^2/NDF: 182393.7/11

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 55.415+/-0.012 χ^2/NDF:510064.0/20

Out: 54.789+/-0.011 χ^2/NDF:569991.5/25

All: 55.083+/-0.008 χ^2/NDF: 1081579.4/46



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -233.735+/-134.260 χ^2/NDF:3.5/6

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: 32.685+/-101.570 χ^2/NDF: 14.5/11

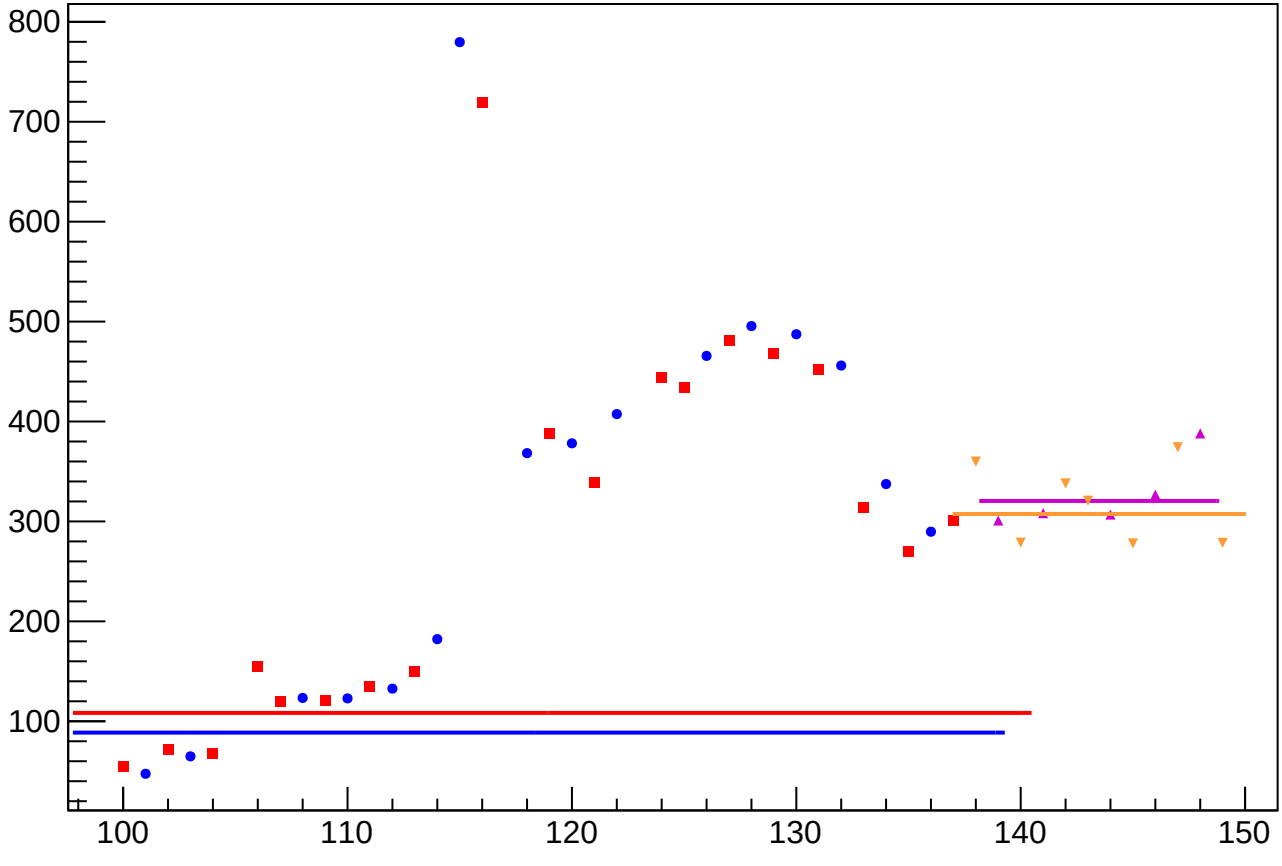
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 92.431+/-44.527 χ^2/NDF:21.5/20

Out: -53.183+/-47.096 χ^2/NDF:23.6/25

All: 23.702+/-32.356 χ^2/NDF: 50.1/46

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: 307.436+/-0.095 χ^2/NDF:148369.9/6

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 320.494+/-0.110 χ^2/NDF:63632.0/4

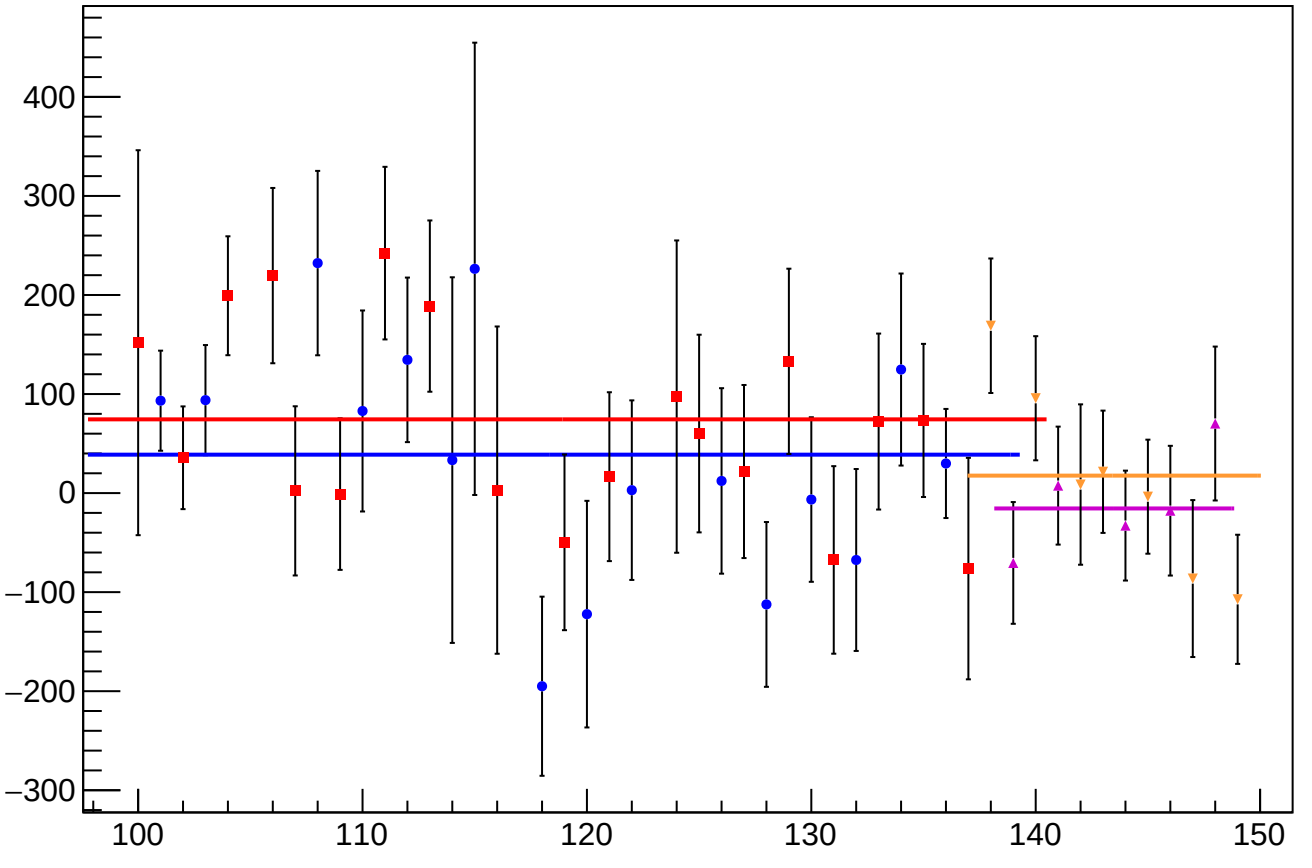
Left: 313.021+/-0.072 χ^2/NDF: 220092.9/11

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 107.713+/-0.031 χ^2/NDF:10801727.4/20

Out: 132.878+/-0.033 χ^2/NDF:9366390.1/25

All: 119.591+/-0.023 χ^2/NDF: 20469619.2/46



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.637+/-25.134 χ^2/NDF:12.1/6

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -15.511+/-28.056 χ^2/NDF:2.3/4

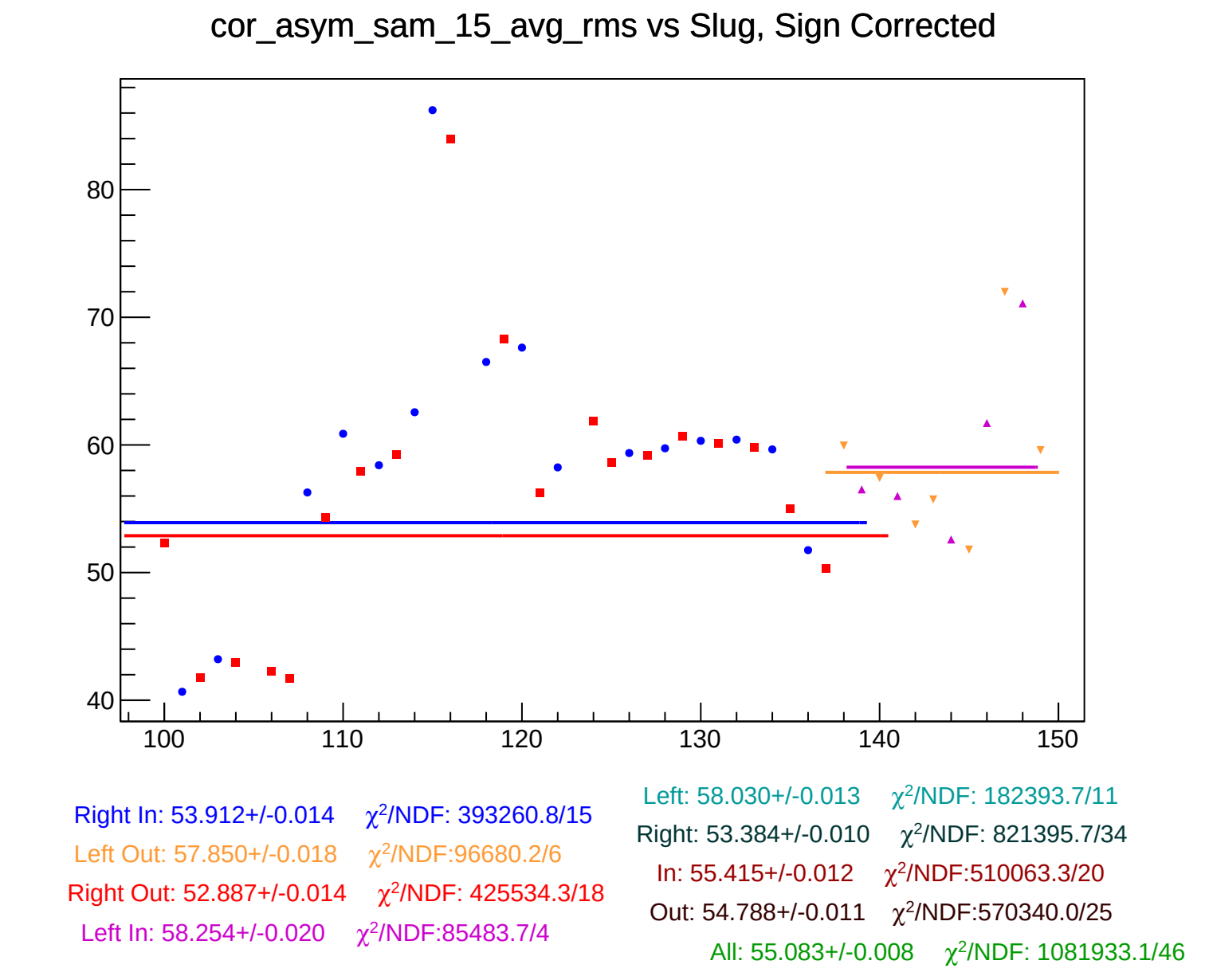
Left: 2.878+/-18.721 χ^2/NDF: 15.1/11

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 19.997+/-16.506 χ^2/NDF:28.0/20

Out: 52.685+/-15.555 χ^2/NDF:37.6/25

All: 37.310+/-11.320 χ^2/NDF: 67.7/46


cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
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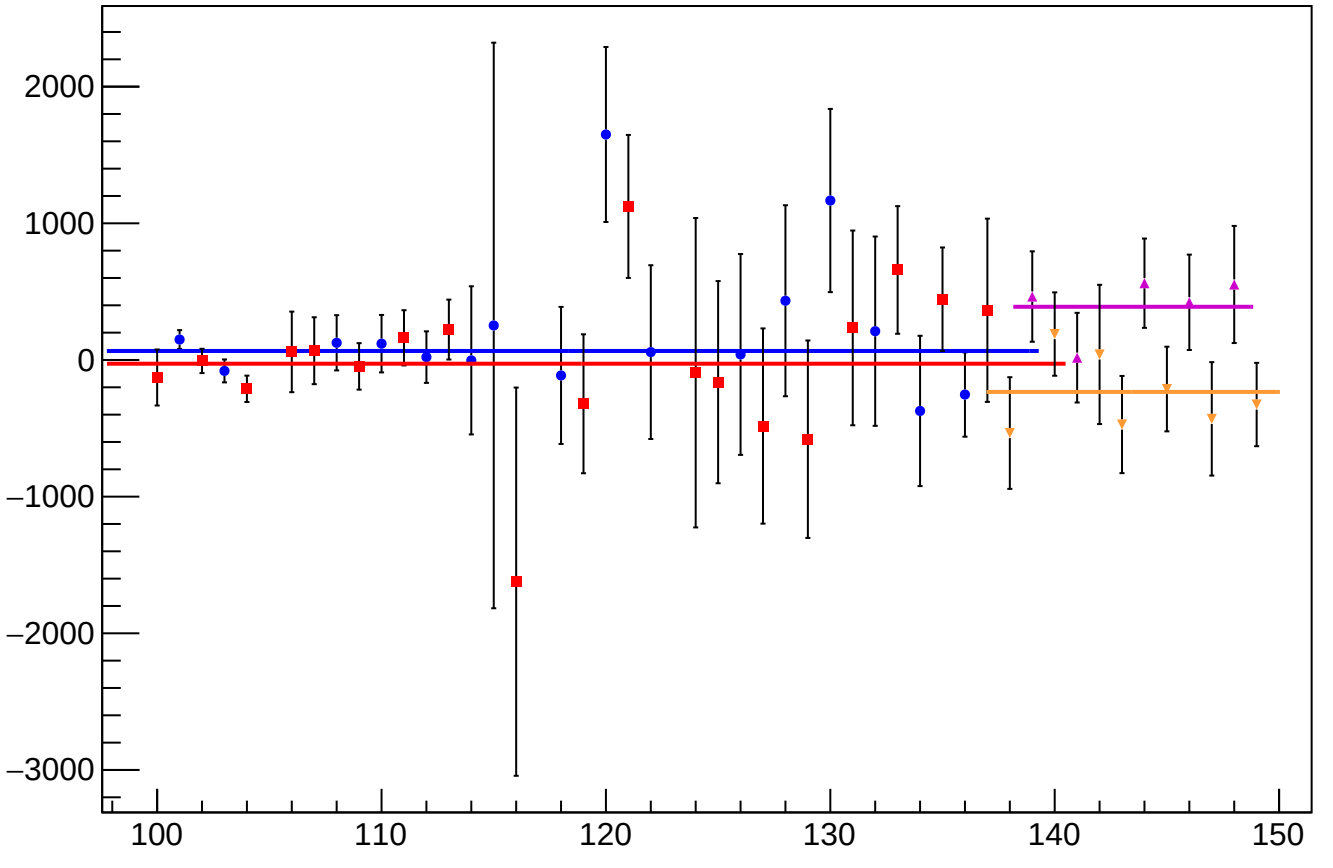
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 57.850+/-0.018 χ²/NDF:96680.2/6
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 58.254+/-0.020 χ²/NDF:85483.7/4
Left: 58.030+/-0.013 χ²/NDF: 182393.7/11
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 55.415+/-0.012 χ²/NDF:510063.3/20
Out: 54.788+/-0.011 χ²/NDF:570340.0/25
All: 55.083+/-0.008 χ²/NDF: 1081933.1/46



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -233.733+/-134.260 χ^2/NDF:3.5/6

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: 32.686+/-101.570 χ^2/NDF: 14.5/11

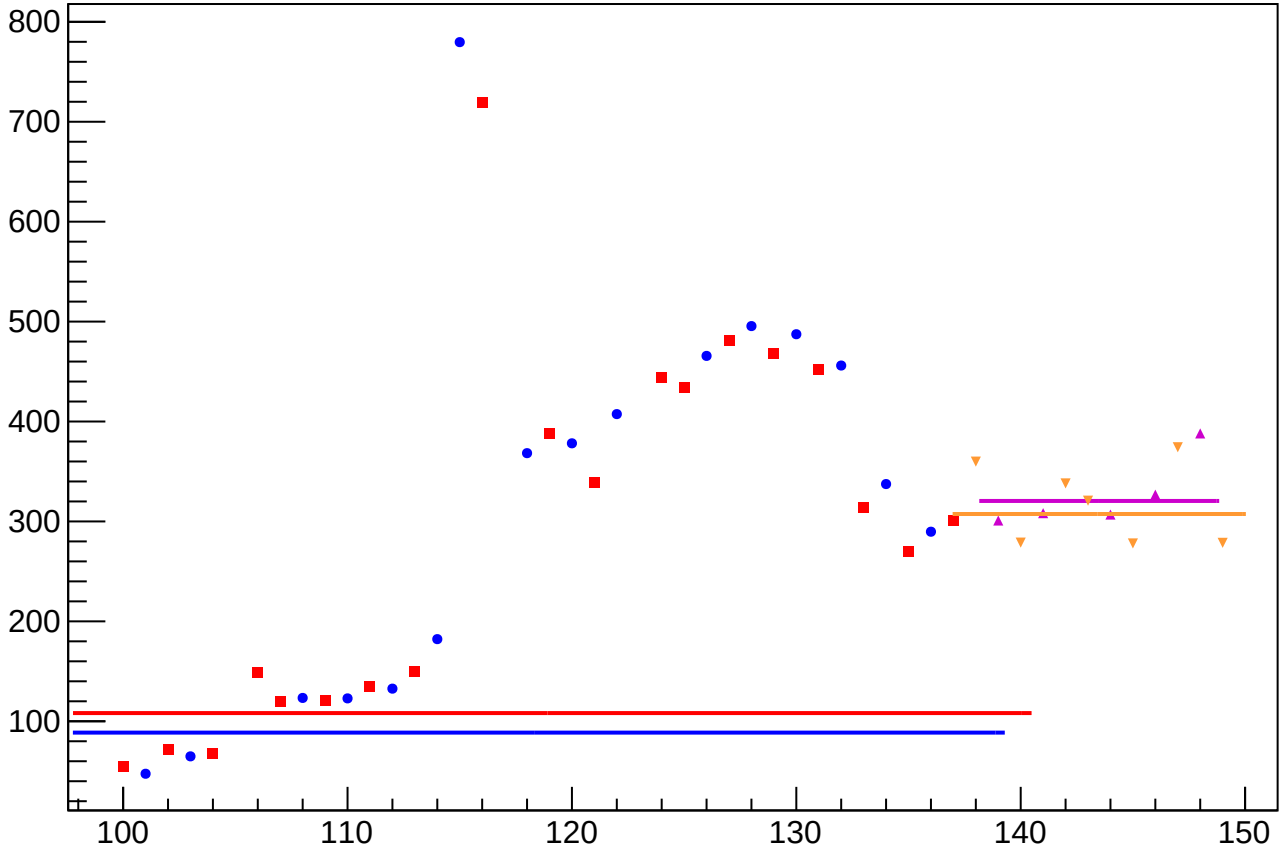
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 92.433+/-44.527 χ^2/NDF:21.5/20

Out: -52.756+/-47.061 χ^2/NDF:23.6/25

All: 23.853+/-32.344 χ^2/NDF: 50.1/46

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 307.436+/-0.095 χ^2/NDF:148369.5/6

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

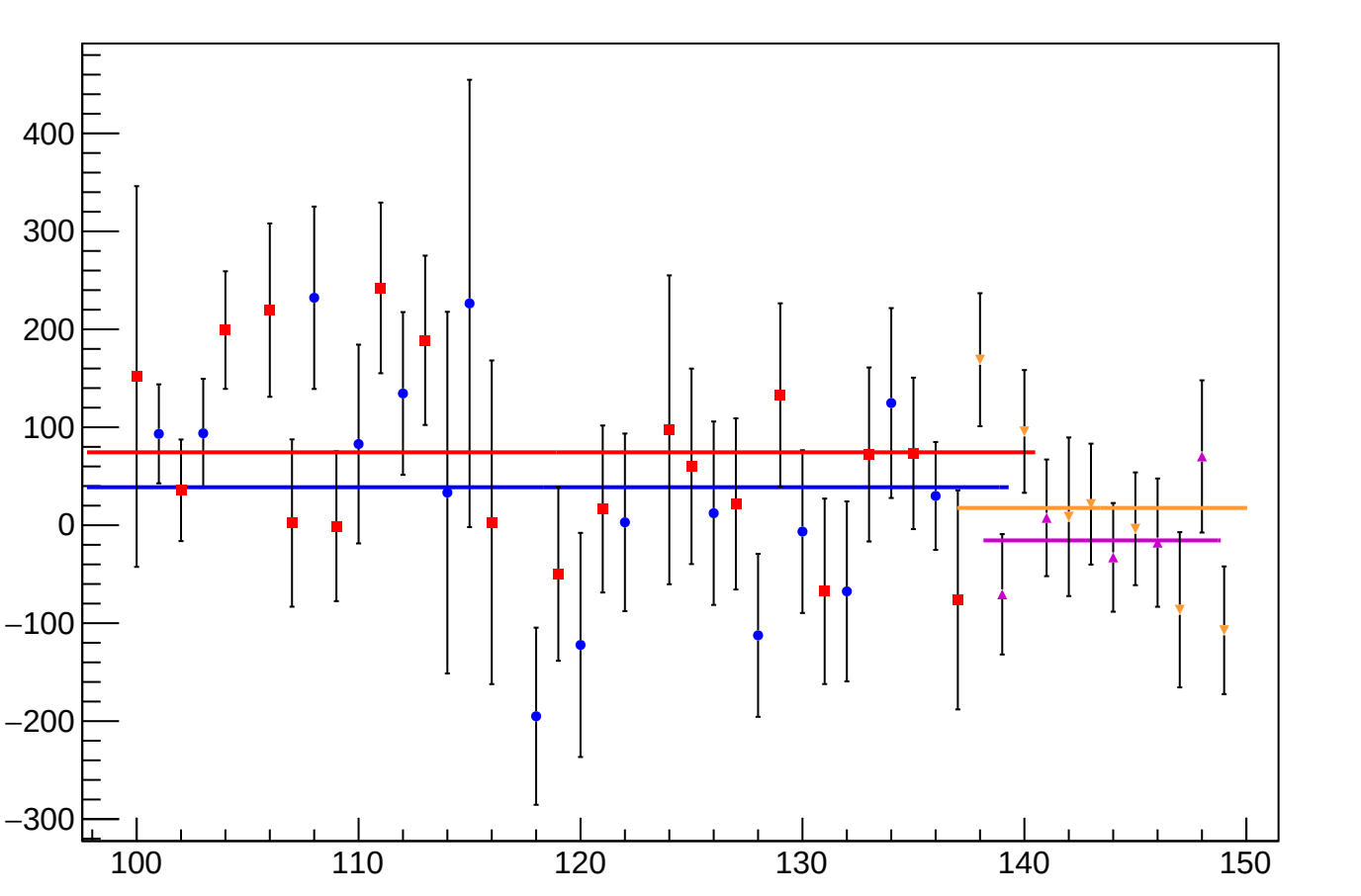
Left: 313.021+/-0.072 χ^2/NDF: 220092.8/11

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 107.710+/-0.031 χ^2/NDF:10801910.8/20

Out: 132.685+/-0.033 χ^2/NDF:9366141.5/25

All: 119.507+/-0.023 χ^2/NDF: 20465256.5/46



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.637+/-25.134 χ^2/NDF:12.1/6

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -15.511+/-28.056 χ^2/NDF:2.3/4

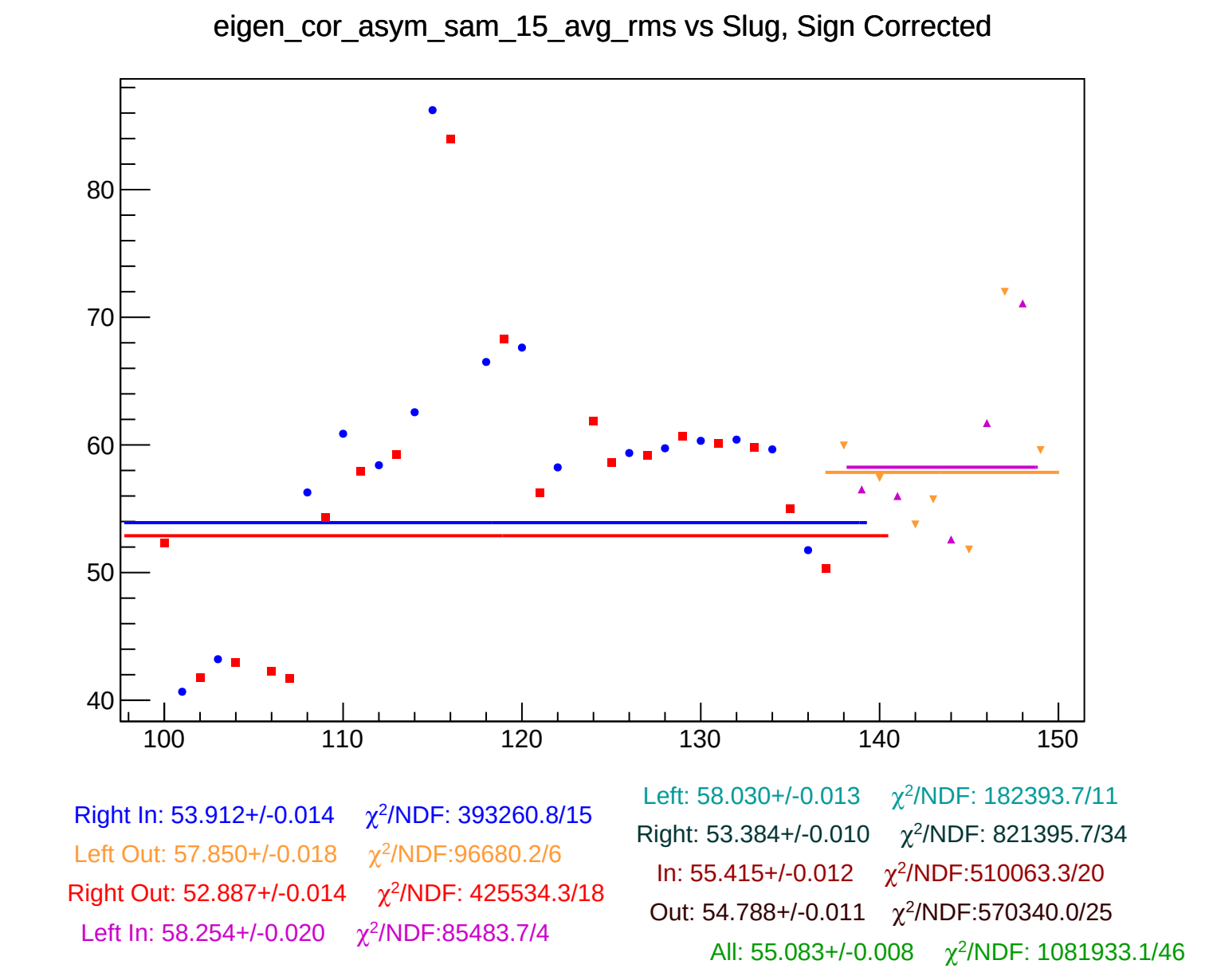
Left: 2.878+/-18.721 χ^2/NDF: 15.1/11

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 19.997+/-16.506 χ^2/NDF:28.0/20

Out: 52.685+/-15.555 χ^2/NDF:37.6/25

All: 37.310+/-11.320 χ^2/NDF: 67.7/46


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
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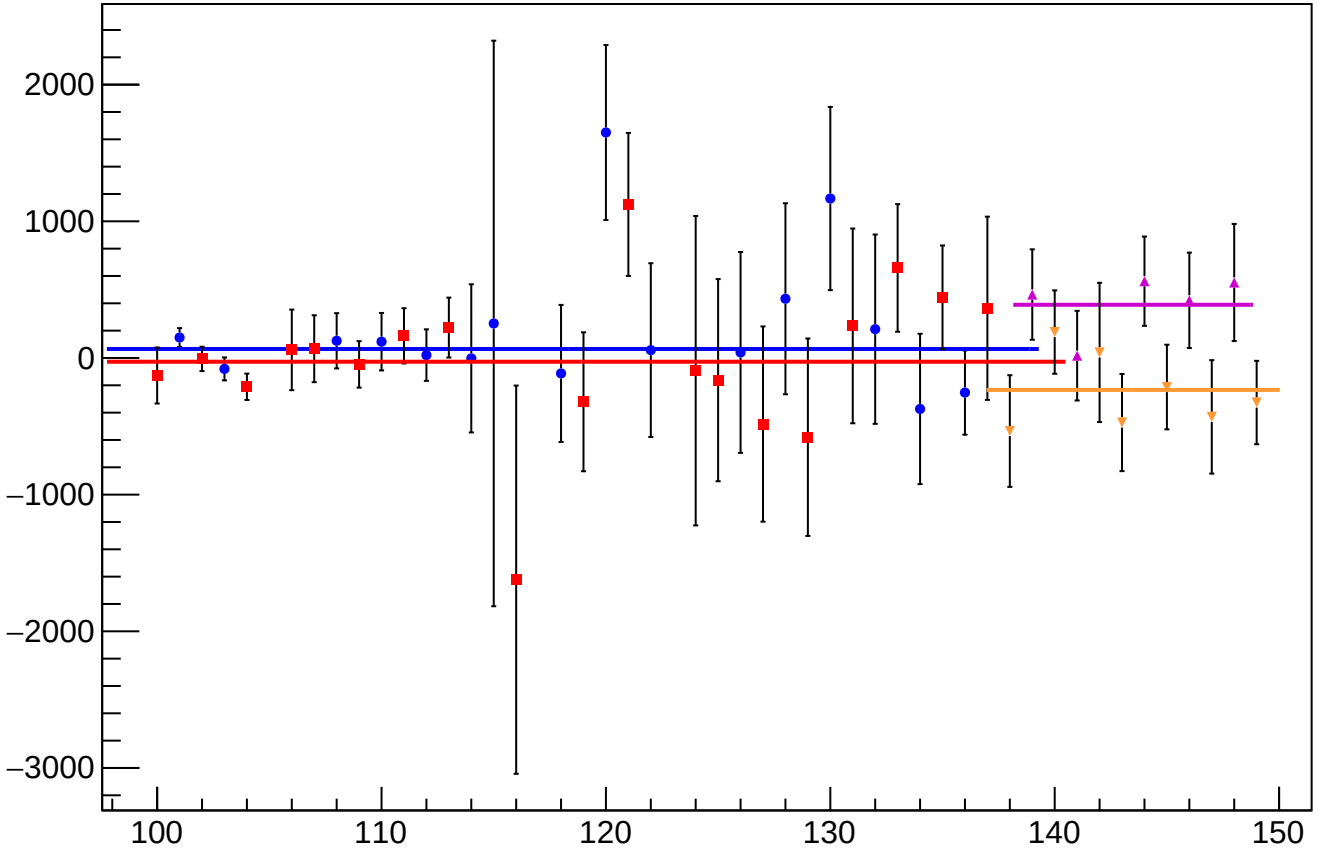
100
110
120
130
140
150
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 57.850+/-0.018 χ²/NDF:96680.2/6
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 58.254+/-0.020 χ²/NDF:85483.7/4
Left: 58.030+/-0.013 χ²/NDF: 182393.7/11
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 55.415+/-0.012 χ²/NDF:510063.3/20
Out: 54.788+/-0.011 χ²/NDF:570340.0/25
All: 55.083+/-0.008 χ²/NDF: 1081933.1/46

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -233.733+/-134.260 χ^2/NDF:3.5/6

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: 32.686+/-101.570 χ^2/NDF: 14.5/11

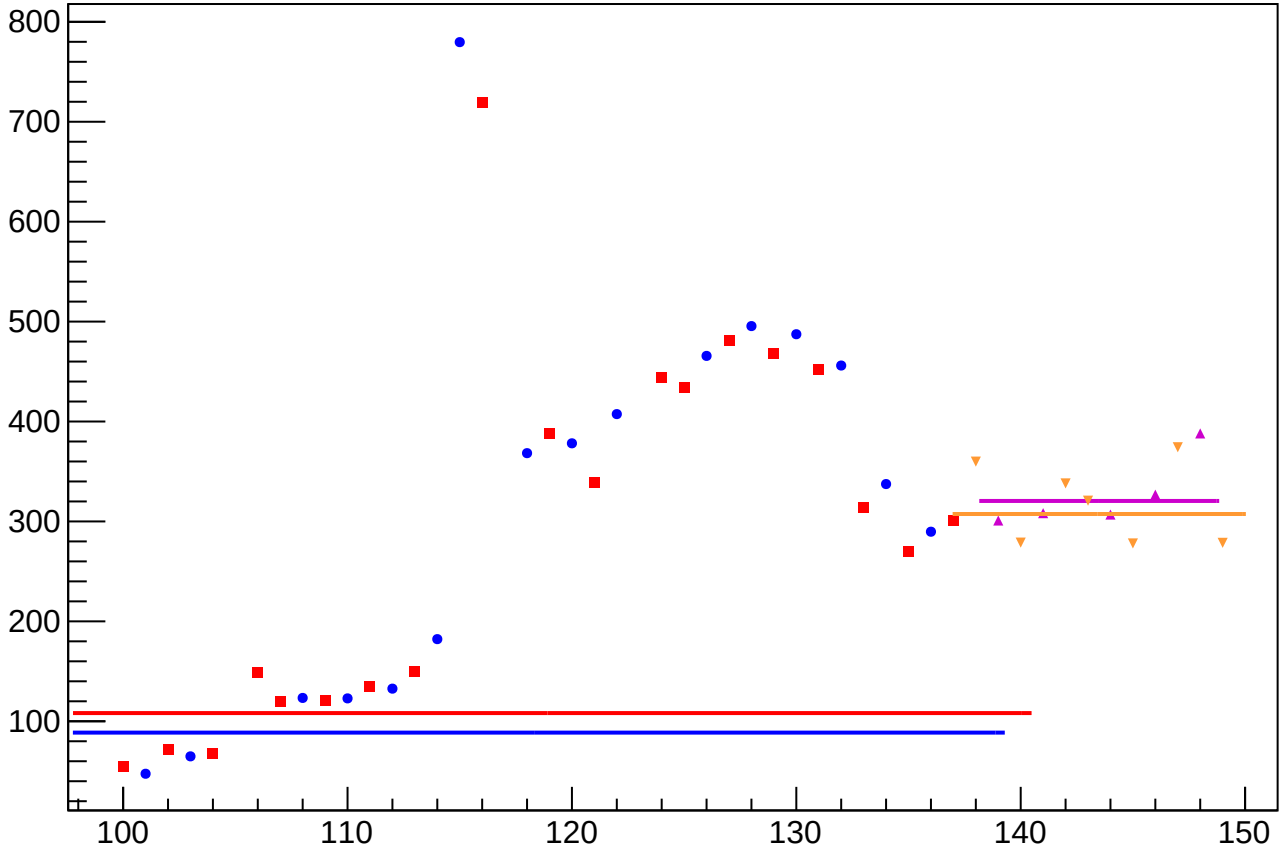
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 92.433+/-44.527 χ^2/NDF:21.5/20

Out: -52.756+/-47.061 χ^2/NDF:23.6/25

All: 23.853+/-32.344 χ^2/NDF: 50.1/46

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 307.436+/-0.095 χ^2/NDF:148369.5/6

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 320.494+/-0.110 χ^2/NDF:63632.3/4

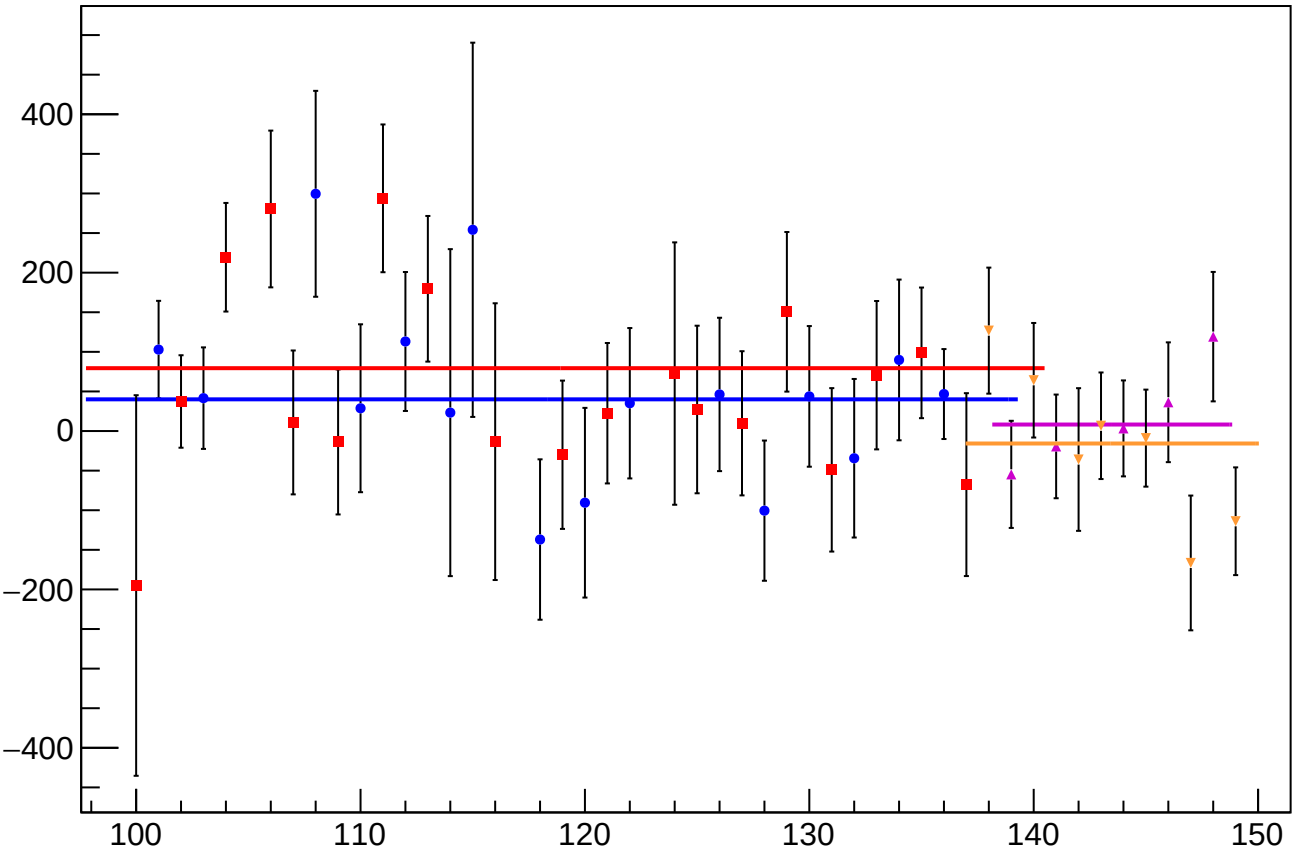
Left: 313.021+/-0.072 χ^2/NDF: 220092.8/11

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 107.710+/-0.031 χ^2/NDF:10801910.8/20

Out: 132.685+/-0.033 χ^2/NDF:9366141.5/25

All: 119.507+/-0.023 χ^2/NDF: 20465256.5/46



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -15.744+/-27.588 χ^2/NDF:9.8/6

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 8.220+/-30.876 χ^2/NDF:3.0/4

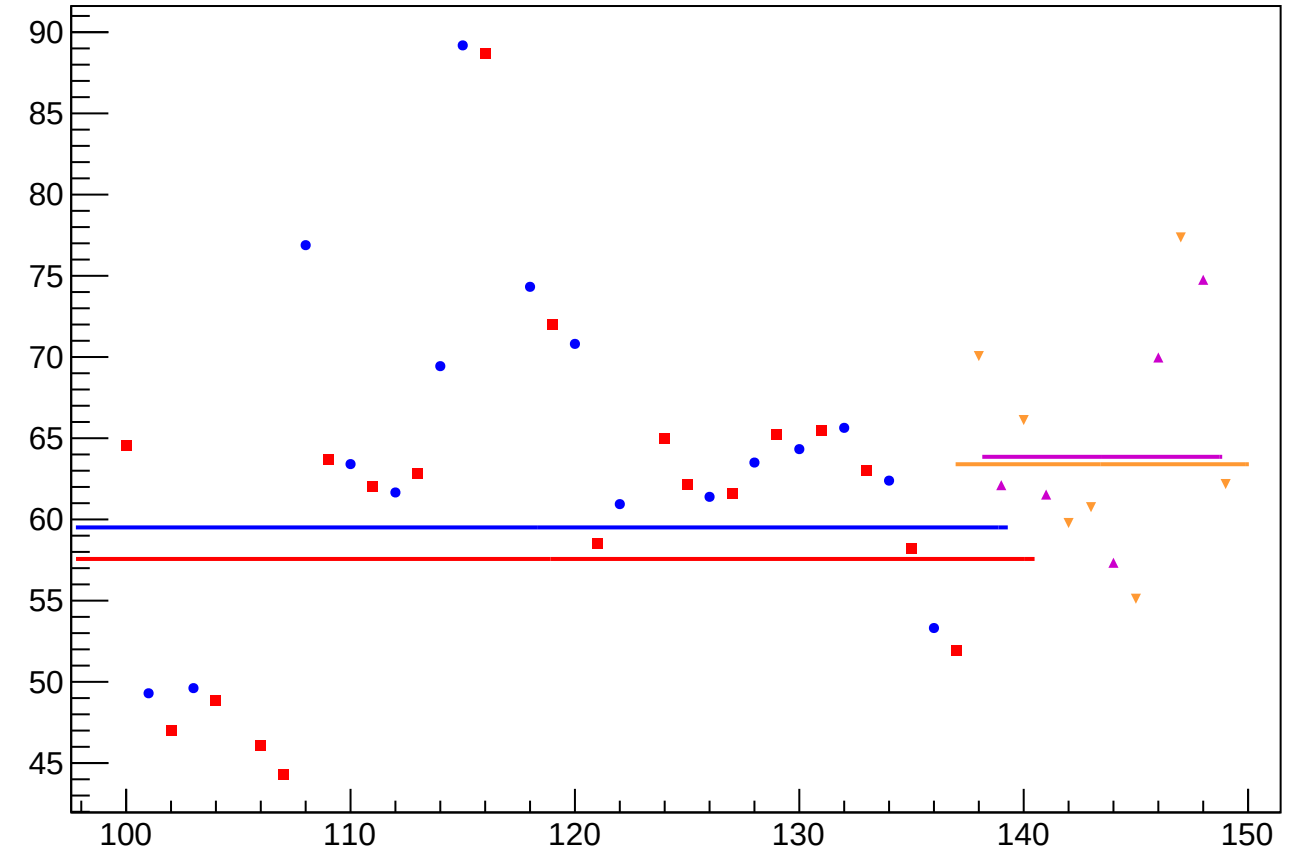
Left: -5.106+/-20.572 χ^2/NDF: 13.2/11

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 28.988+/-18.192 χ^2/NDF:17.9/20

Out: 43.276+/-16.996 χ^2/NDF:42.0/25

All: 36.617+/-12.419 χ^2/NDF: 60.2/46



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.399+/-0.020 χ^2/NDF:114201.9/6

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.856+/-0.022 χ^2/NDF:75693.2/4

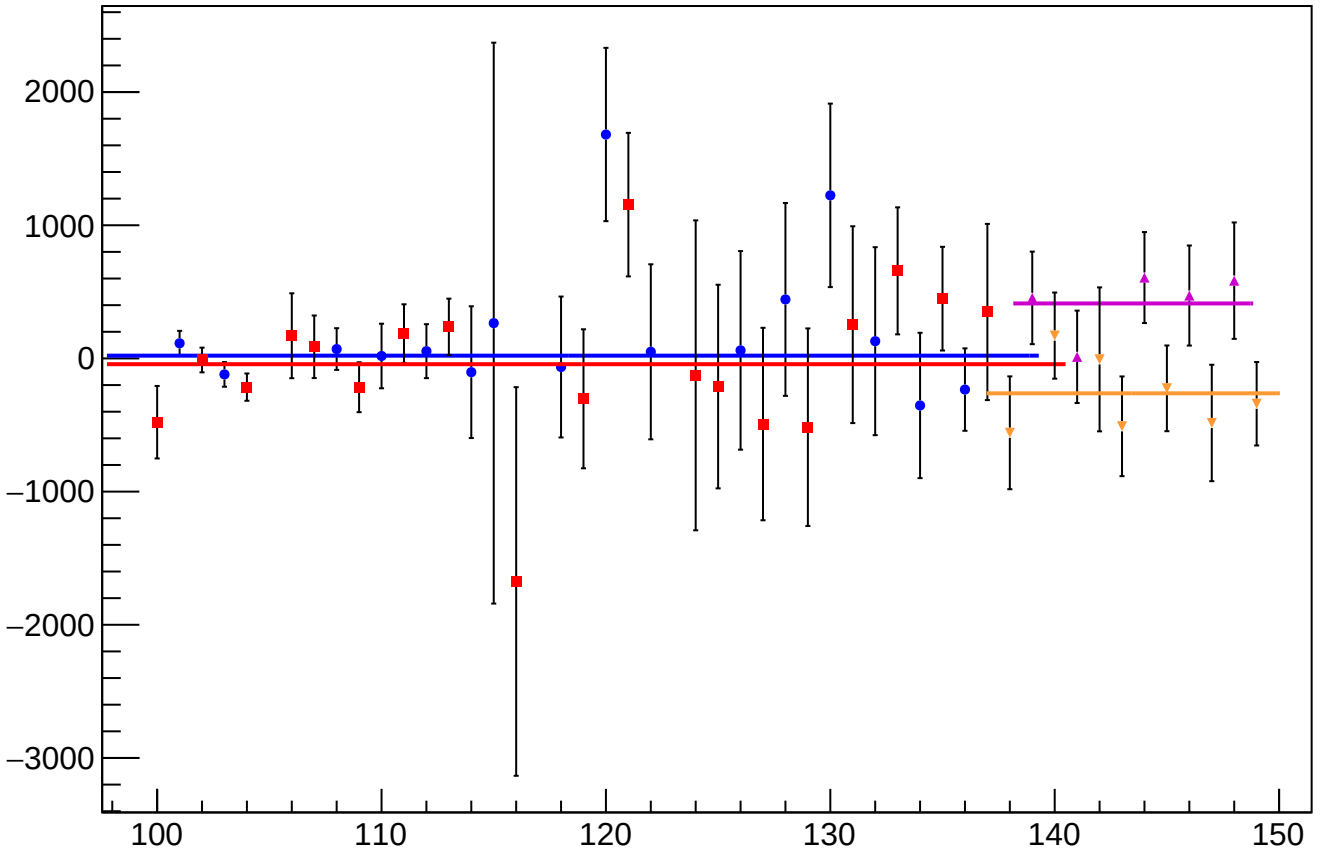
Left: 63.602+/-0.015 χ^2/NDF: 190138.9/11

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.018+/-0.013 χ^2/NDF:384767.1/20

Out: 59.780+/-0.012 χ^2/NDF:517030.7/25

All: 60.357+/-0.009 χ^2/NDF: 906739.4/46



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -261.954+/-140.348 χ^2/NDF:3.3/6

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 412.821+/-163.348 χ^2/NDF:1.9/4

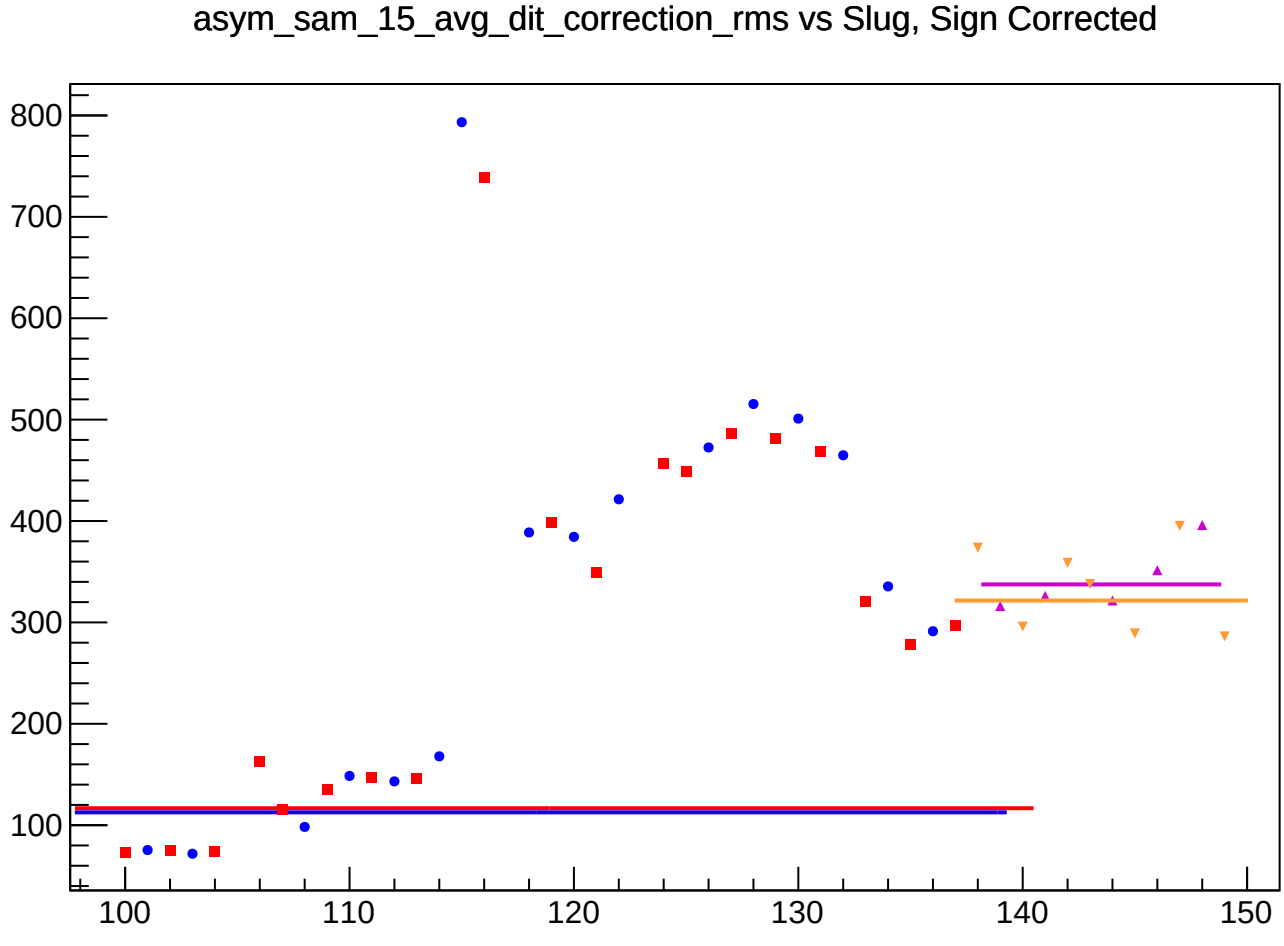
Left: 24.621+/-106.452 χ^2/NDF: 15.0/11

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 58.924+/-50.916 χ^2/NDF:21.7/20

Out: -70.746+/-49.754 χ^2/NDF:26.9/25

All: -7.407+/-35.585 χ^2/NDF: 51.9/46



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 321.558+/-0.099 χ^2/NDF:158643.8/6

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 337.488+/-0.116 χ^2/NDF:52647.8/4

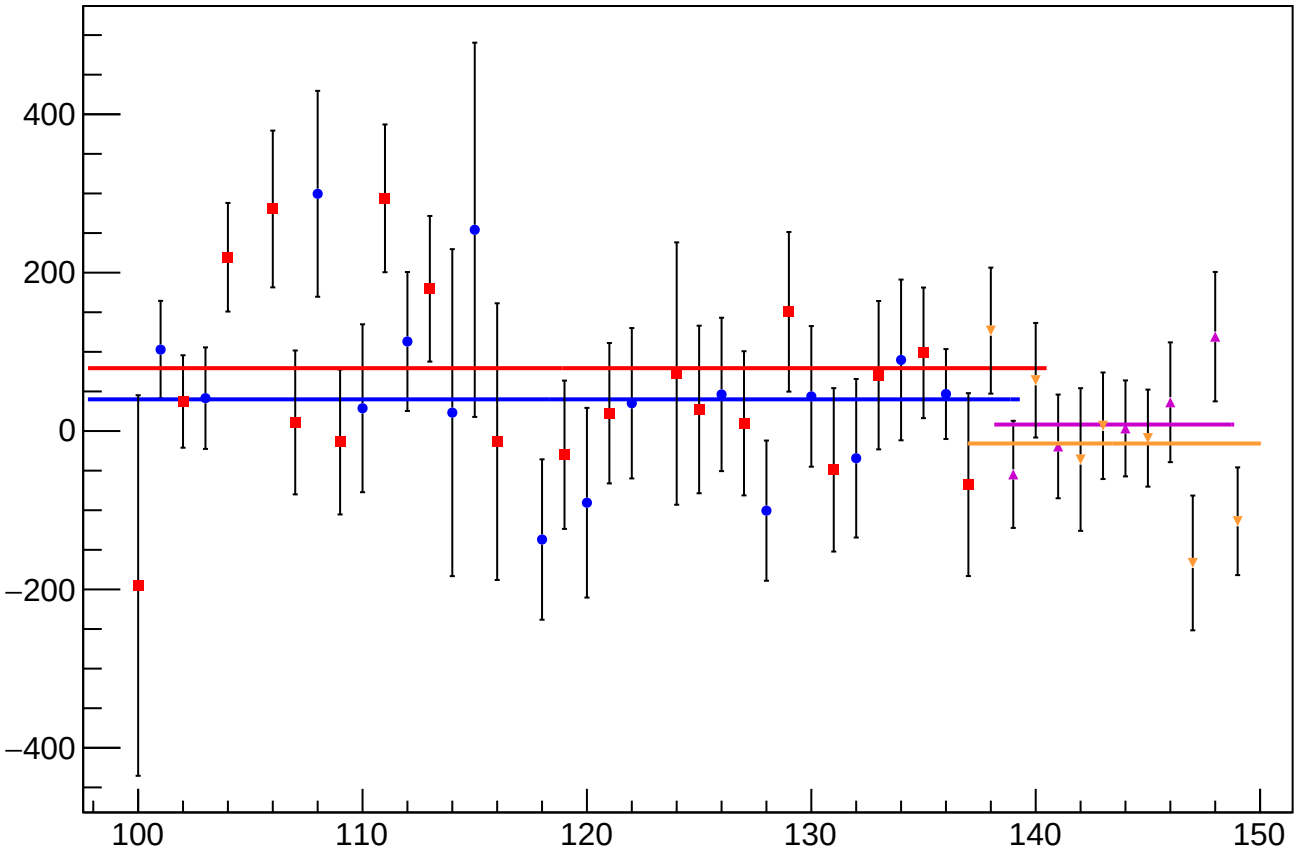
Left: 328.324+/-0.075 χ^2/NDF: 222234.5/11

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 134.511+/-0.036 χ^2/NDF:9072775.6/20

Out: 142.474+/-0.035 χ^2/NDF:9024459.8/25

All: 138.585+/-0.025 χ^2/NDF: 18122261.4/46



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -15.744+/-27.588 χ^2/NDF:9.8/6

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 8.221+/-30.877 χ^2/NDF:3.0/4

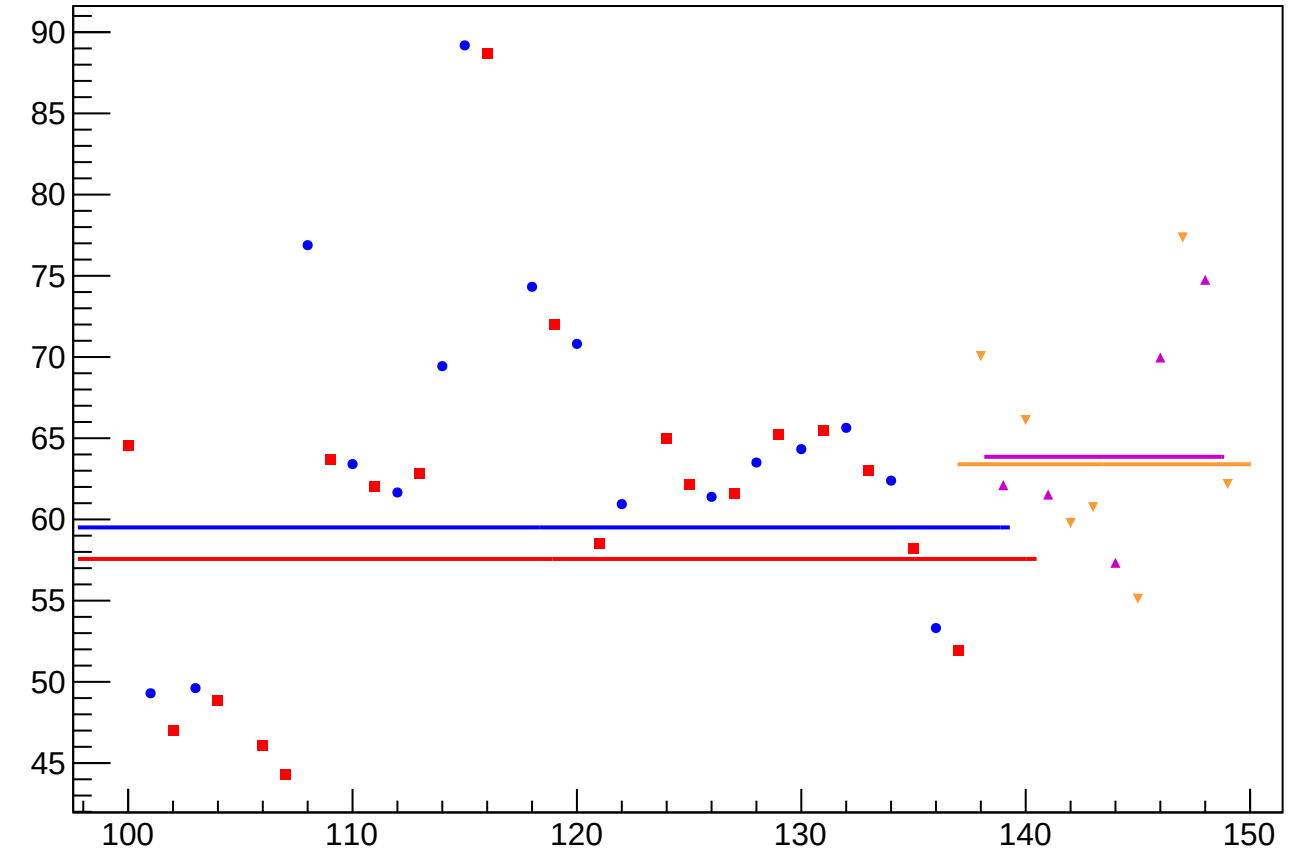
Left: -5.105+/-20.572 χ^2/NDF: 13.2/11

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 28.988+/-18.192 χ^2/NDF:17.9/20

Out: 43.275+/-16.996 χ^2/NDF:42.0/25

All: 36.617+/-12.419 χ^2/NDF: 60.2/46



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 63.399+/-0.020 χ^2/NDF:114205.9/6

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.856+/-0.022 χ^2/NDF:75693.1/4

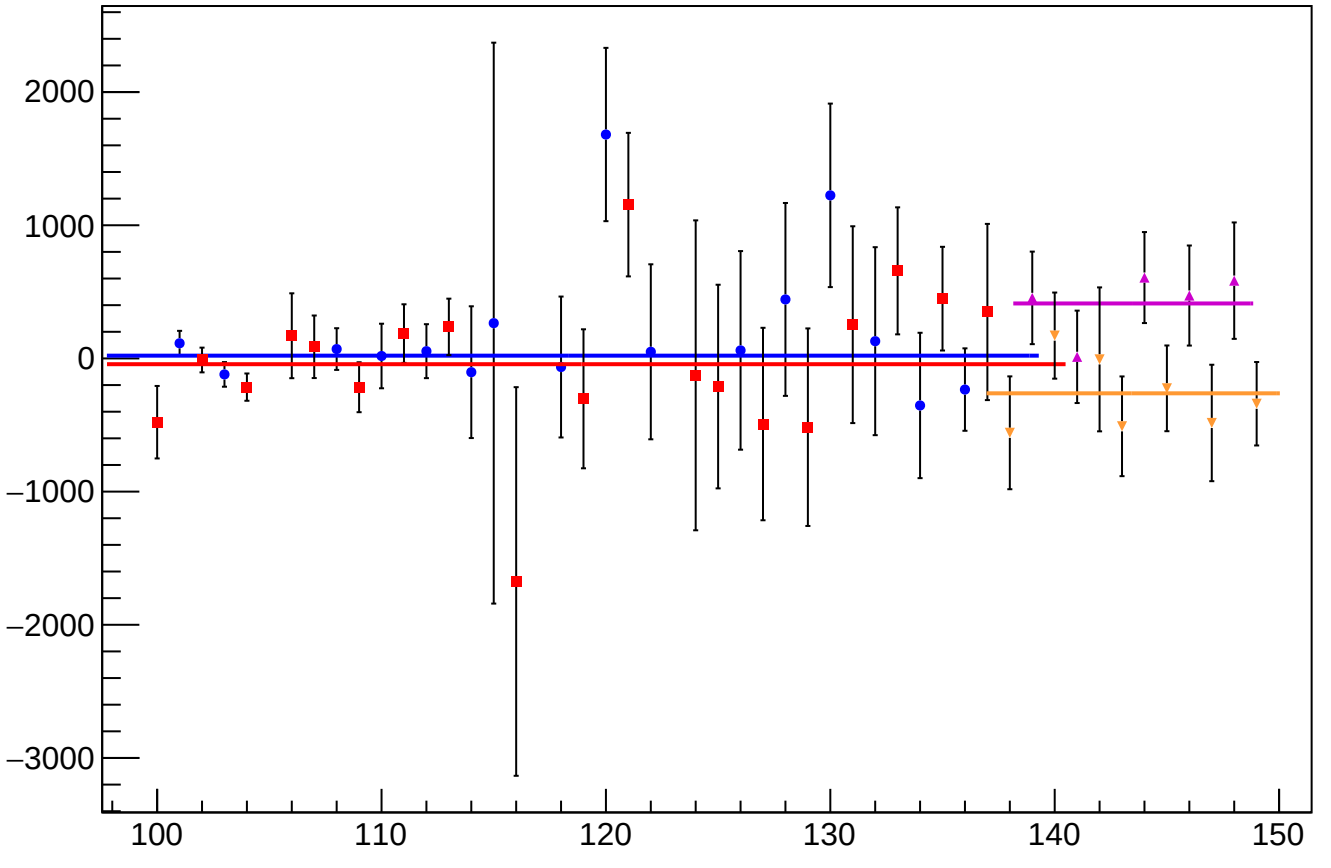
Left: 63.602+/-0.015 χ^2/NDF: 190142.9/11

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 61.018+/-0.013 χ^2/NDF:384769.4/20

Out: 59.780+/-0.012 χ^2/NDF:517036.0/25

All: 60.357+/-0.009 χ^2/NDF: 906747.3/46



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -261.955+/-140.348 χ^2/NDF:3.3/6

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 412.822+/-163.348 χ^2/NDF:1.9/4

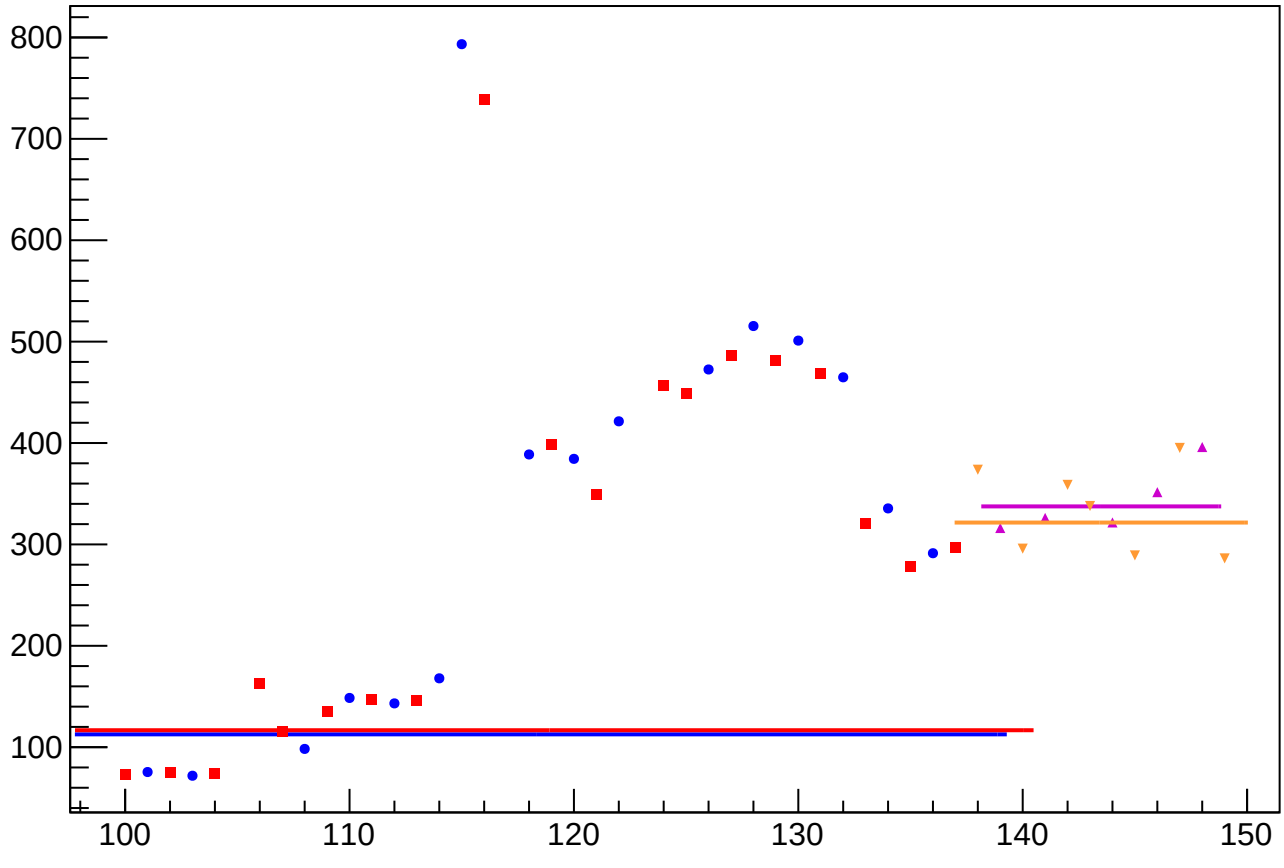
Left: 24.622+/-106.452 χ^2/NDF: 15.0/11

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 58.923+/-50.916 χ^2/NDF:21.7/20

Out: -70.746+/-49.754 χ^2/NDF:26.9/25

All: -7.407+/-35.585 χ^2/NDF: 51.9/46



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 321.559+/-0.099 χ^2/NDF:158644.3/6

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: 328.325+/-0.075 χ^2/NDF: 222236.0/11

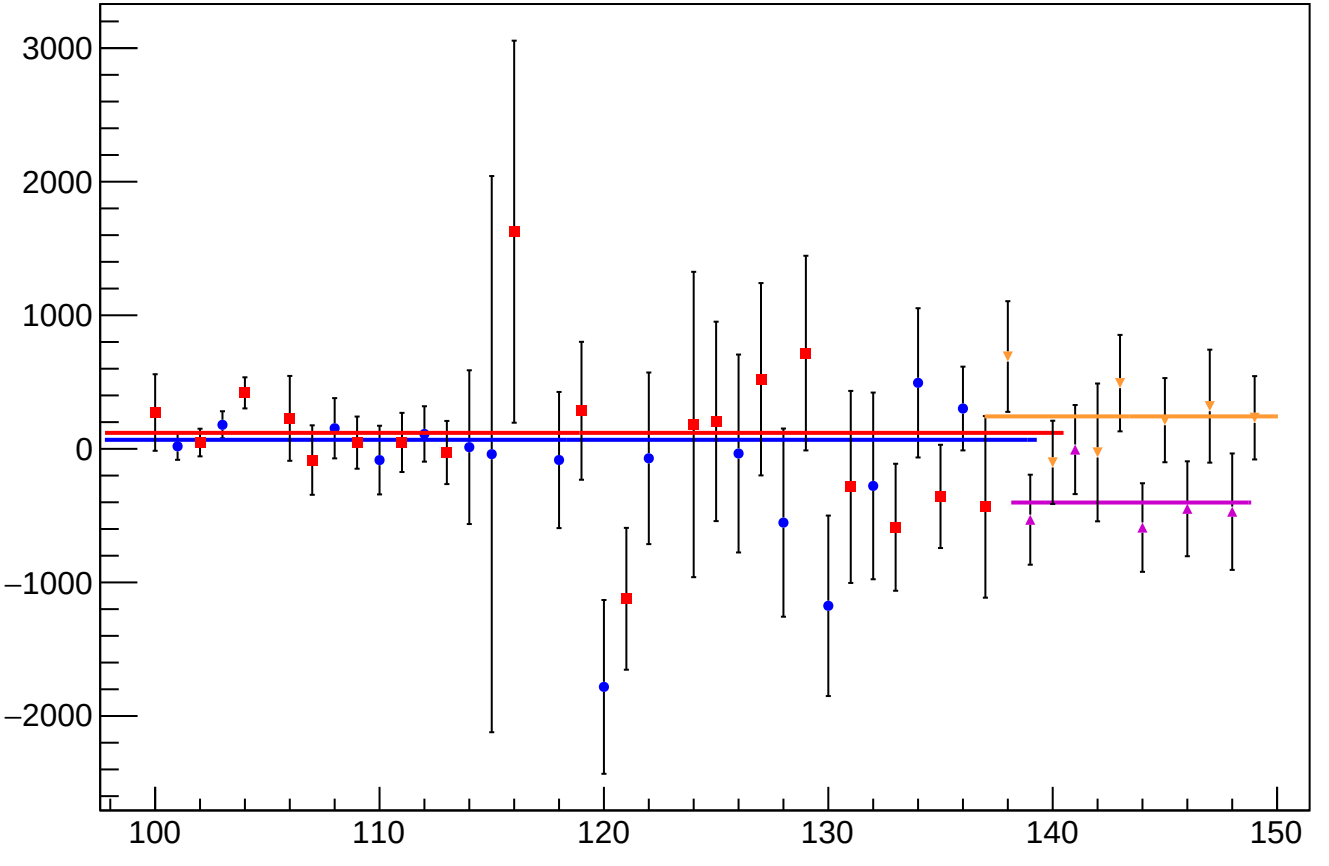
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 134.511+/-0.036 χ^2/NDF:9072795.4/20

Out: 142.474+/-0.035 χ^2/NDF:9024492.9/25

All: 138.584+/-0.025 χ^2/NDF: 18122313.5/46

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 243.054+/-136.724 χ^2/NDF:3.2/6

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: -33.165+/-103.379 χ^2/NDF: 14.6/11

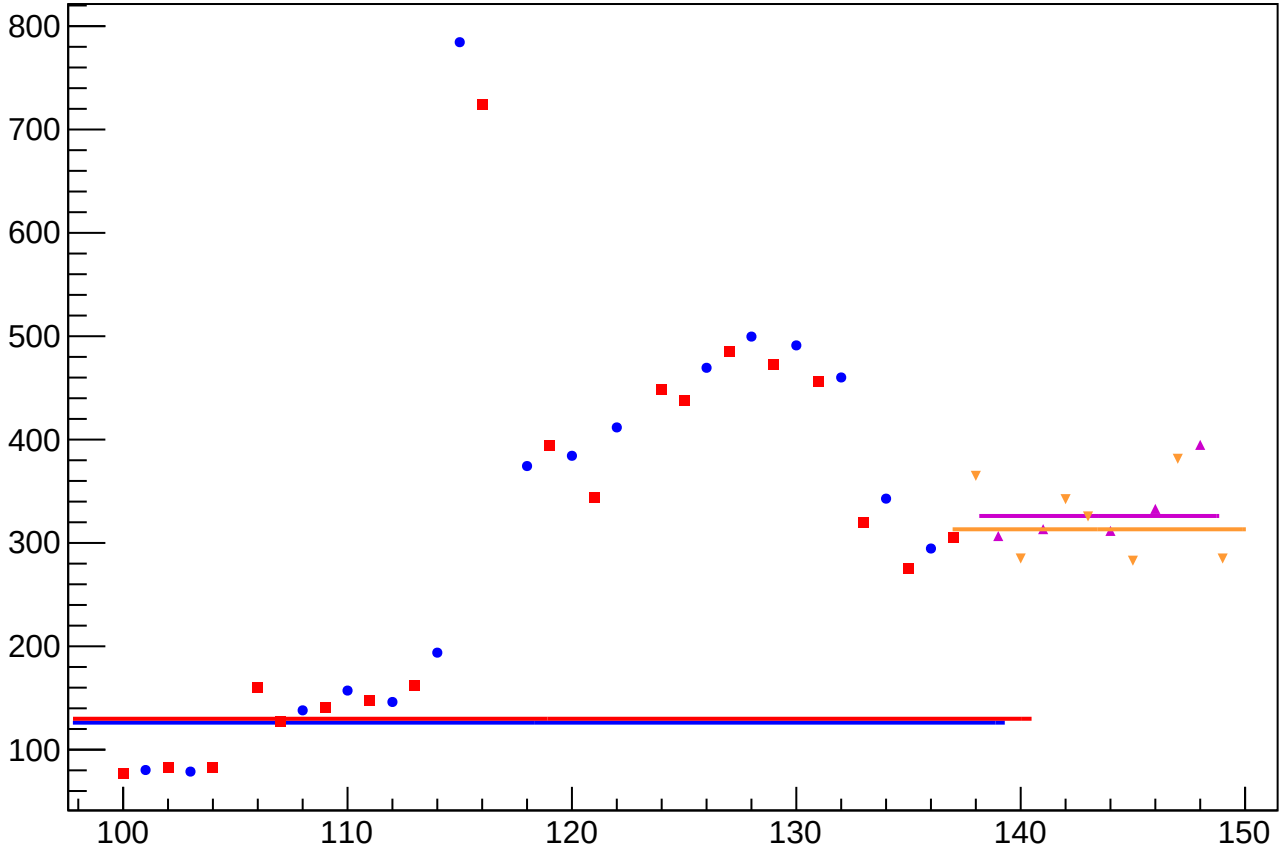
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 9.854+/-55.409 χ^2/NDF:25.4/20

Out: 138.425+/-53.348 χ^2/NDF:25.0/25

All: 76.575+/-38.431 χ^2/NDF: 53.3/46

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 313.209+/-0.097 χ^2/NDF:143410.1/6

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 326.102+/-0.112 χ^2/NDF:63914.2/4

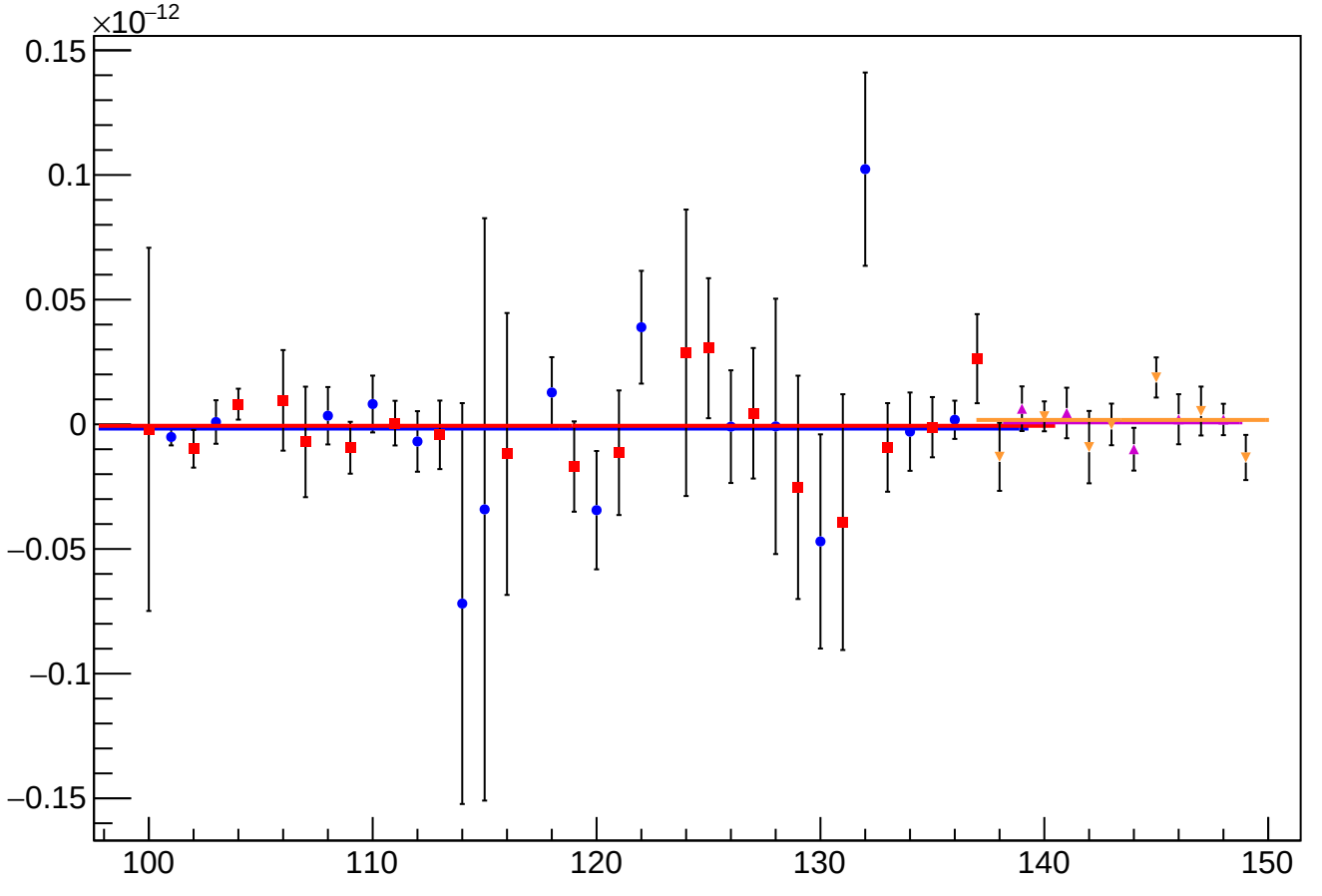
Left: 318.731+/-0.073 χ^2/NDF: 214941.8/11

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 150.756+/-0.039 χ^2/NDF:8094172.0/20

Out: 157.821+/-0.038 χ^2/NDF:7838335.6/25

All: 154.422+/-0.027 χ^2/NDF: 15949382.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

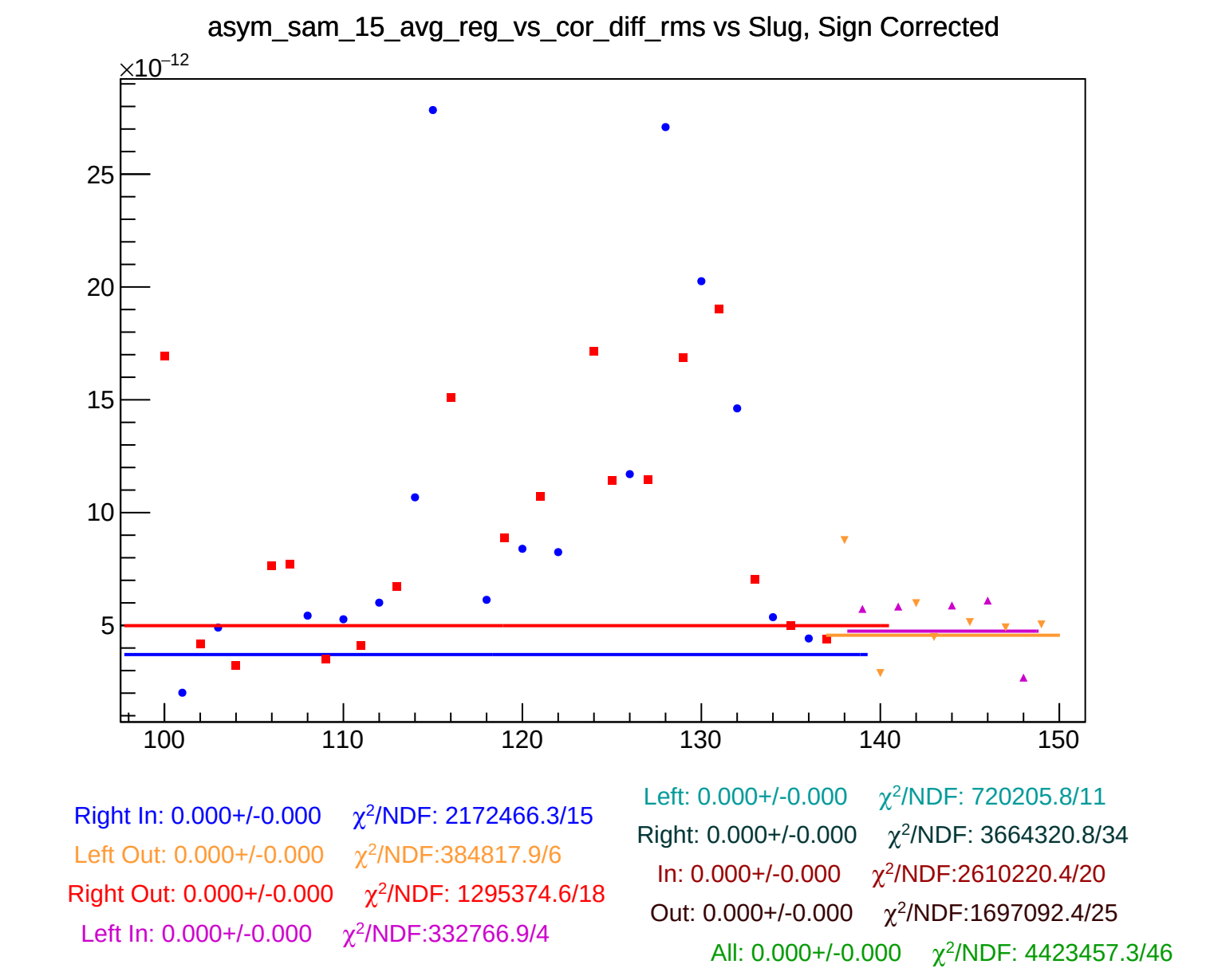
Left: 0.000+/-0.000 χ^2/NDF: 11.4/11

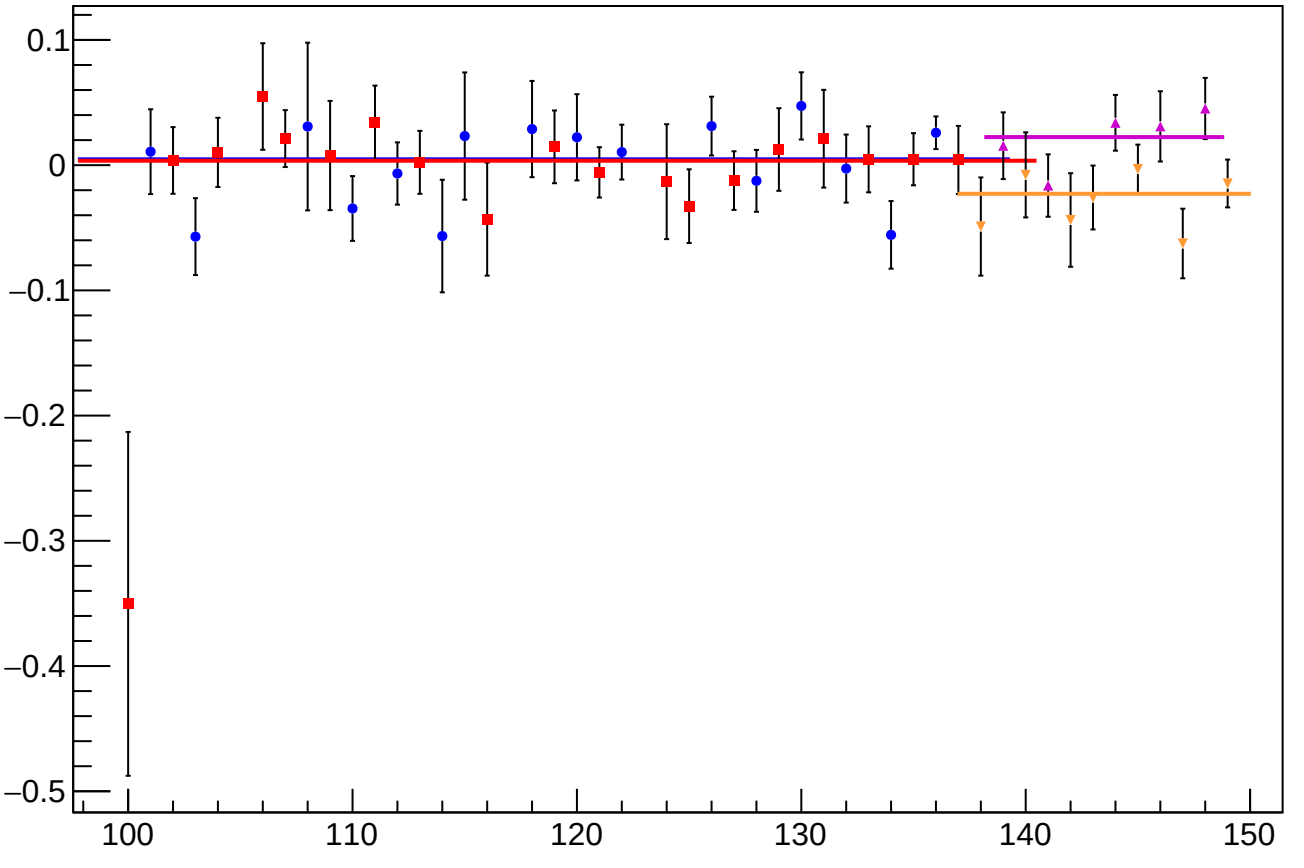
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.2/20

Out: 0.000+/-0.000 χ^2/NDF:20.0/25

All: -0.000+/-0.000 χ^2/NDF: 40.4/46


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:384817.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:332766.9/4
Left: 0.000+/-0.000 χ²/NDF: 720205.8/11
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2610220.4/20
Out: 0.000+/-0.000 χ²/NDF:1697092.4/25
All: 0.000+/-0.000 χ²/NDF: 4423457.3/46



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.023+/-0.010 χ^2/NDF:4.2/6

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

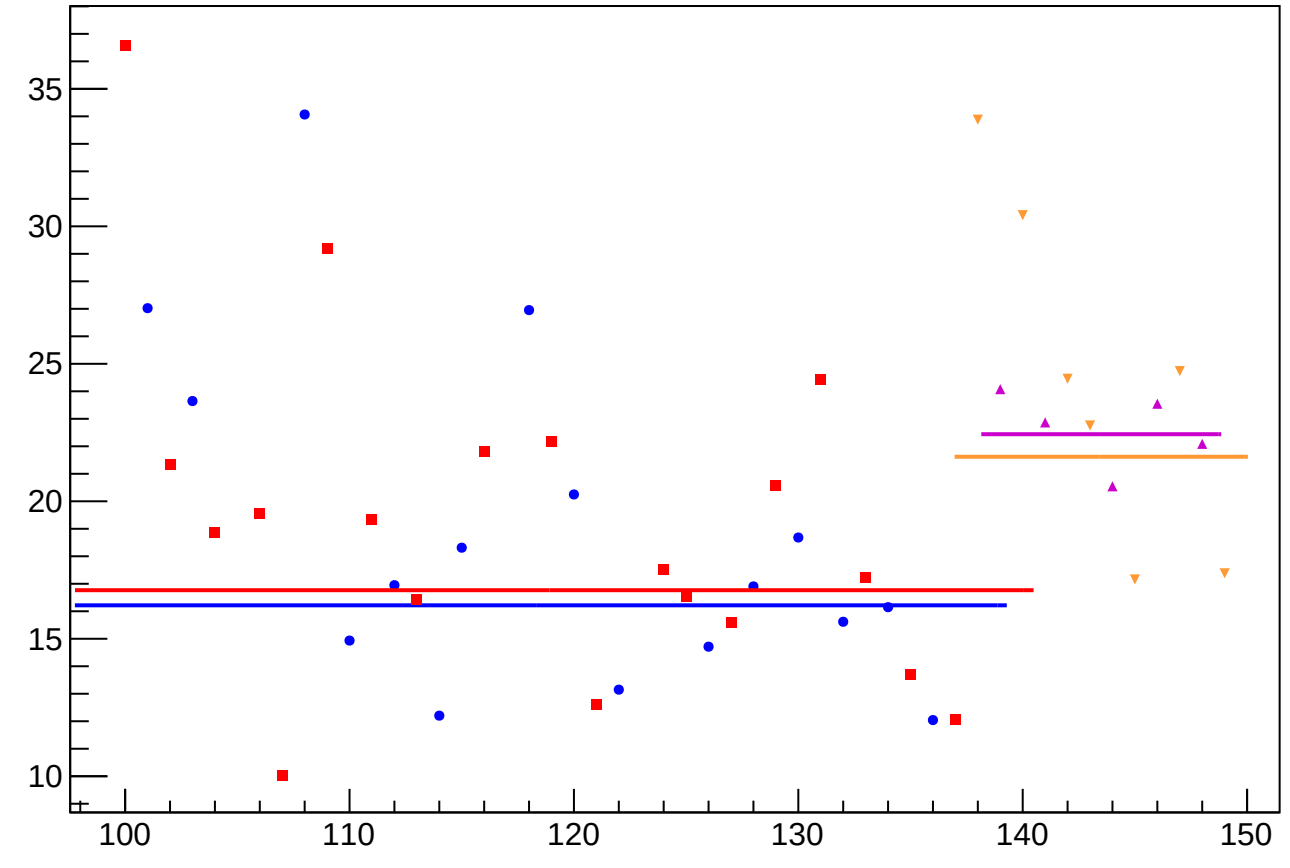
Left: -0.003+/-0.007 χ^2/NDF: 17.2/11

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.005+/-0.005 χ^2/NDF:22.8/25

All: 0.002+/-0.004 χ^2/NDF: 53.0/46



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.620+/-0.007 χ^2/NDF:573497.8/6

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

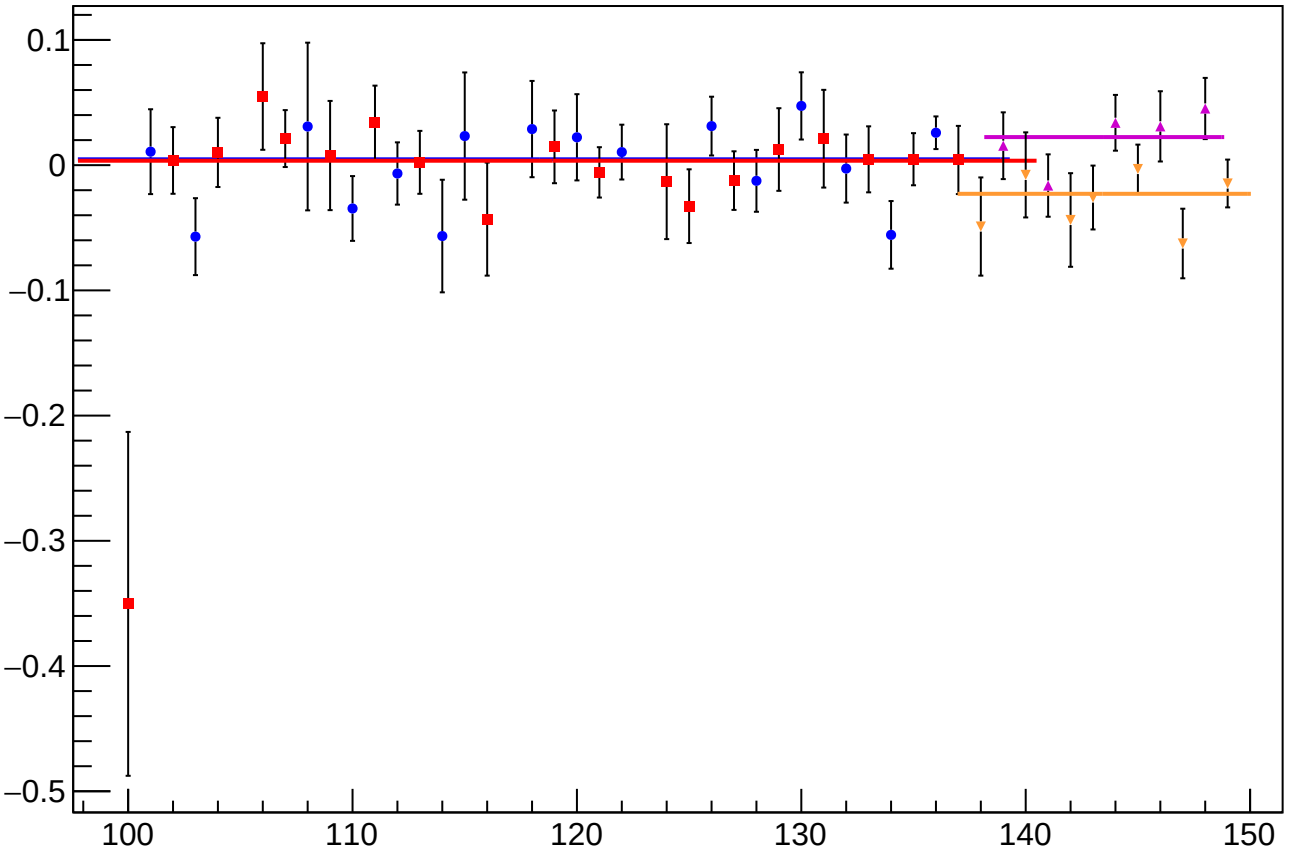
Left: 21.975+/-0.005 χ^2/NDF: 605742.5/11

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.809+/-0.004 χ^2/NDF:1429938.6/20

Out: 18.292+/-0.004 χ^2/NDF:1777644.6/25

All: 18.058+/-0.003 χ^2/NDF: 3215096.4/46



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.023+/-0.010 χ^2/NDF:4.2/6

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

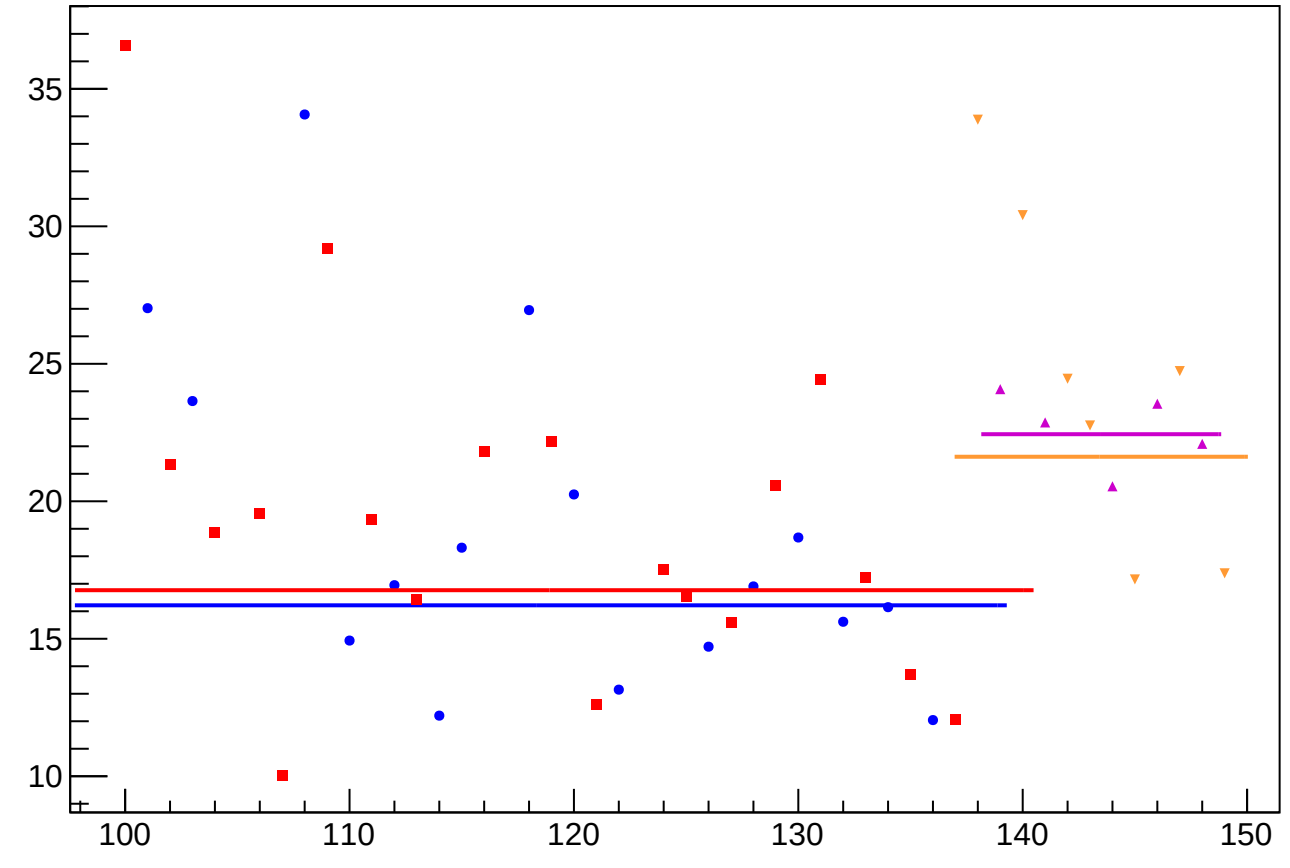
Left: -0.003+/-0.007 χ^2/NDF: 17.2/11

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.005+/-0.005 χ^2/NDF:22.8/25

All: 0.002+/-0.004 χ^2/NDF: 53.0/46



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.620+/-0.007 χ^2/NDF:573497.8/6

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.440+/-0.008 χ^2/NDF:26164.8/4

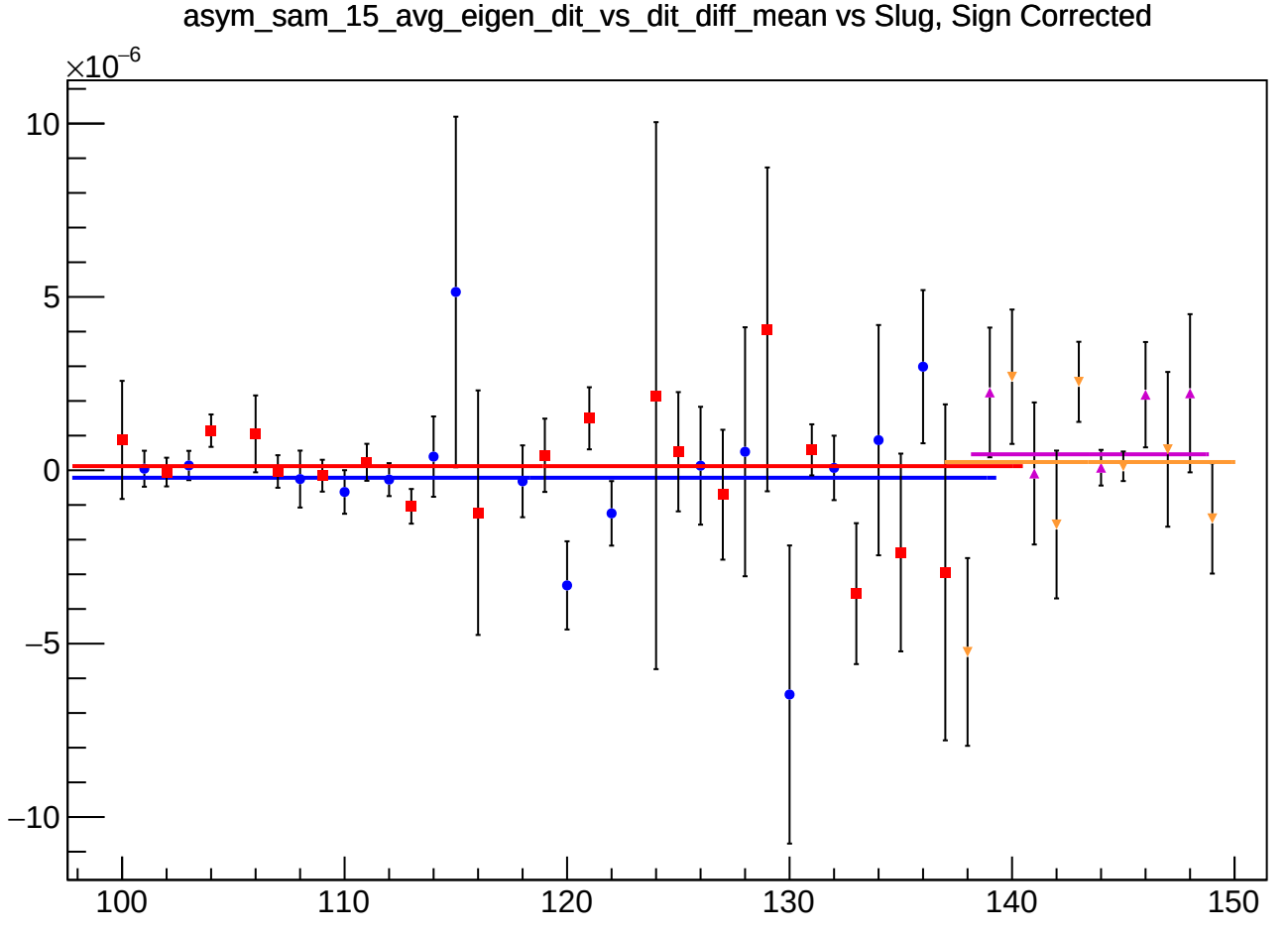
Left: 21.975+/-0.005 χ^2/NDF: 605742.5/11

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.809+/-0.004 χ^2/NDF:1429938.6/20

Out: 18.292+/-0.004 χ^2/NDF:1777644.6/25

All: 18.058+/-0.003 χ^2/NDF: 3215096.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/4

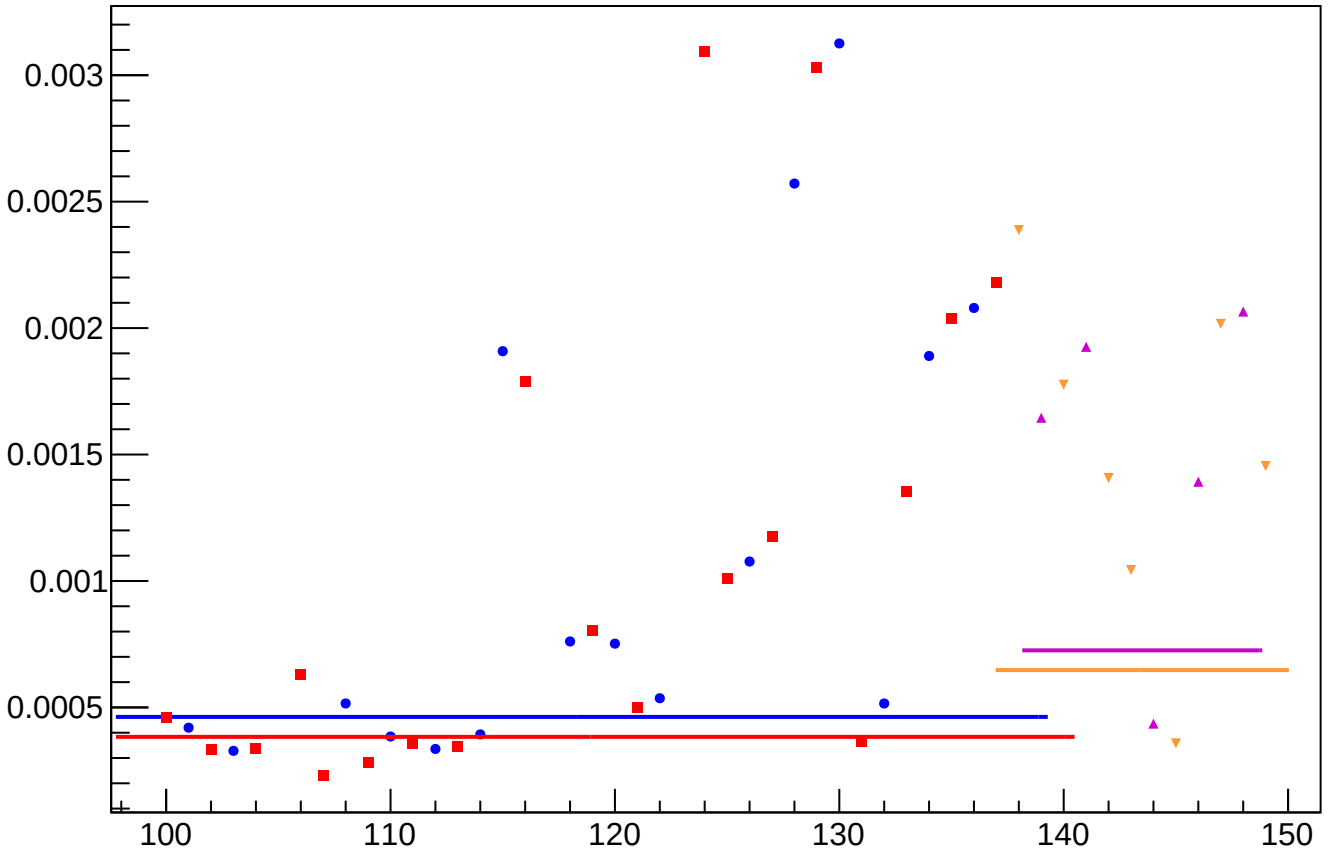
Left: 0.000+/-0.000 χ^2/NDF: 15.1/11

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:31.9/25

All: 0.000+/-0.000 χ^2/NDF: 52.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4182334.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2880257.2/4

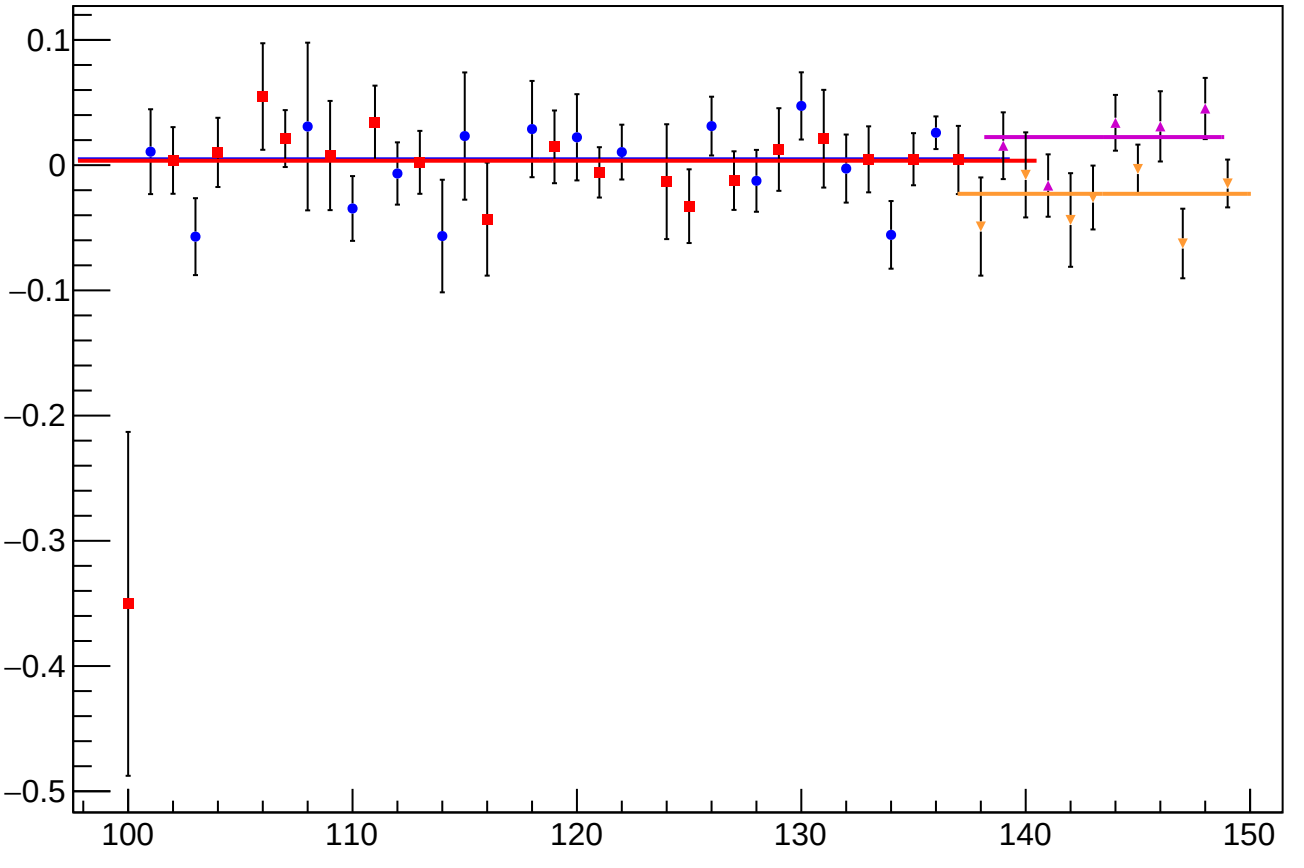
Left: 0.001+/-0.000 χ^2/NDF: 7098865.1/11

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:7459694.6/20

Out: 0.000+/-0.000 χ^2/NDF:9092017.3/25

All: 0.000+/-0.000 χ^2/NDF: 16749190.2/46



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.023+/-0.010 χ^2/NDF:4.2/6

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.011 χ^2/NDF:3.7/4

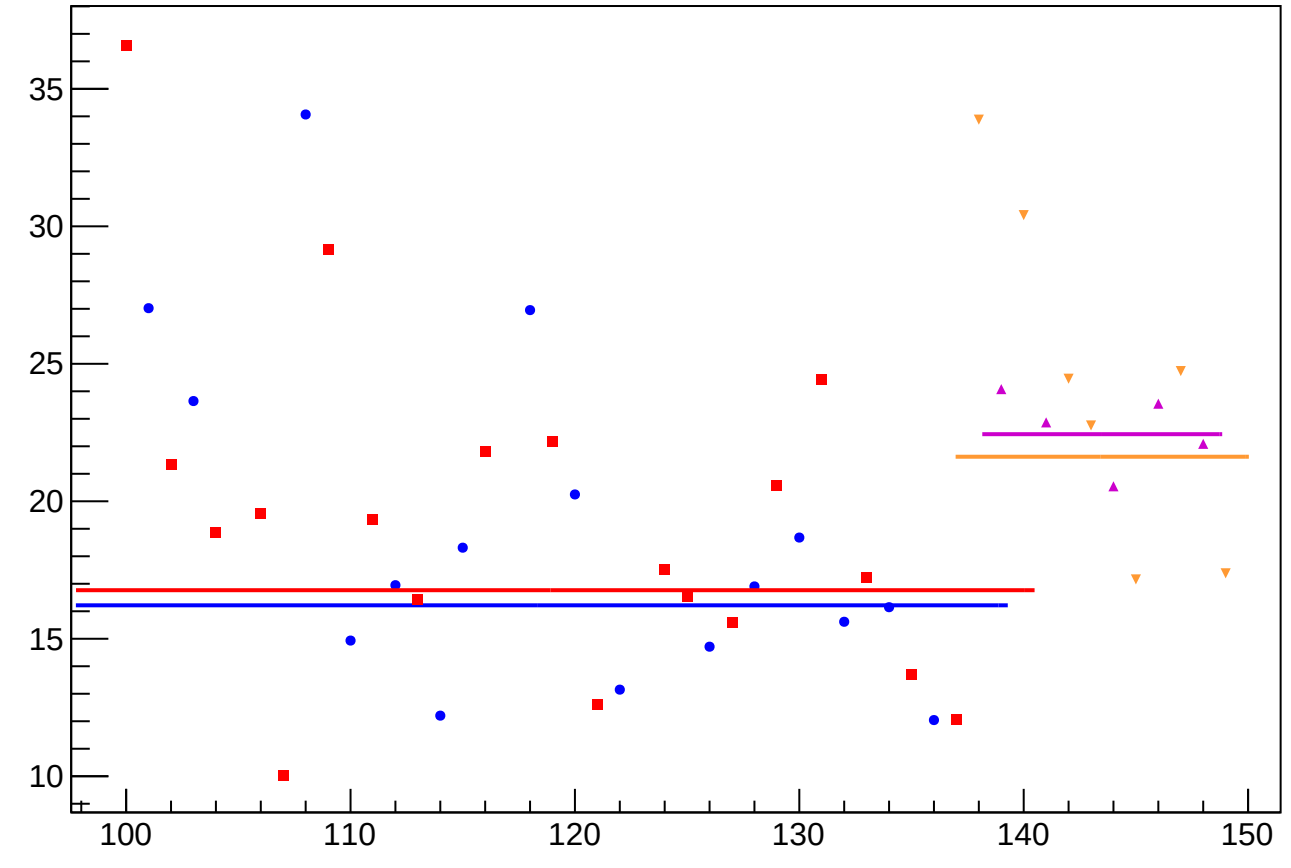
Left: -0.003+/-0.007 χ^2/NDF: 17.2/11

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.005+/-0.005 χ^2/NDF:22.8/25

All: 0.002+/-0.004 χ^2/NDF: 53.0/46



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.620+/-0.007 χ^2/NDF:573534.1/6

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: 21.975+/-0.005 χ^2/NDF: 605797.3/11

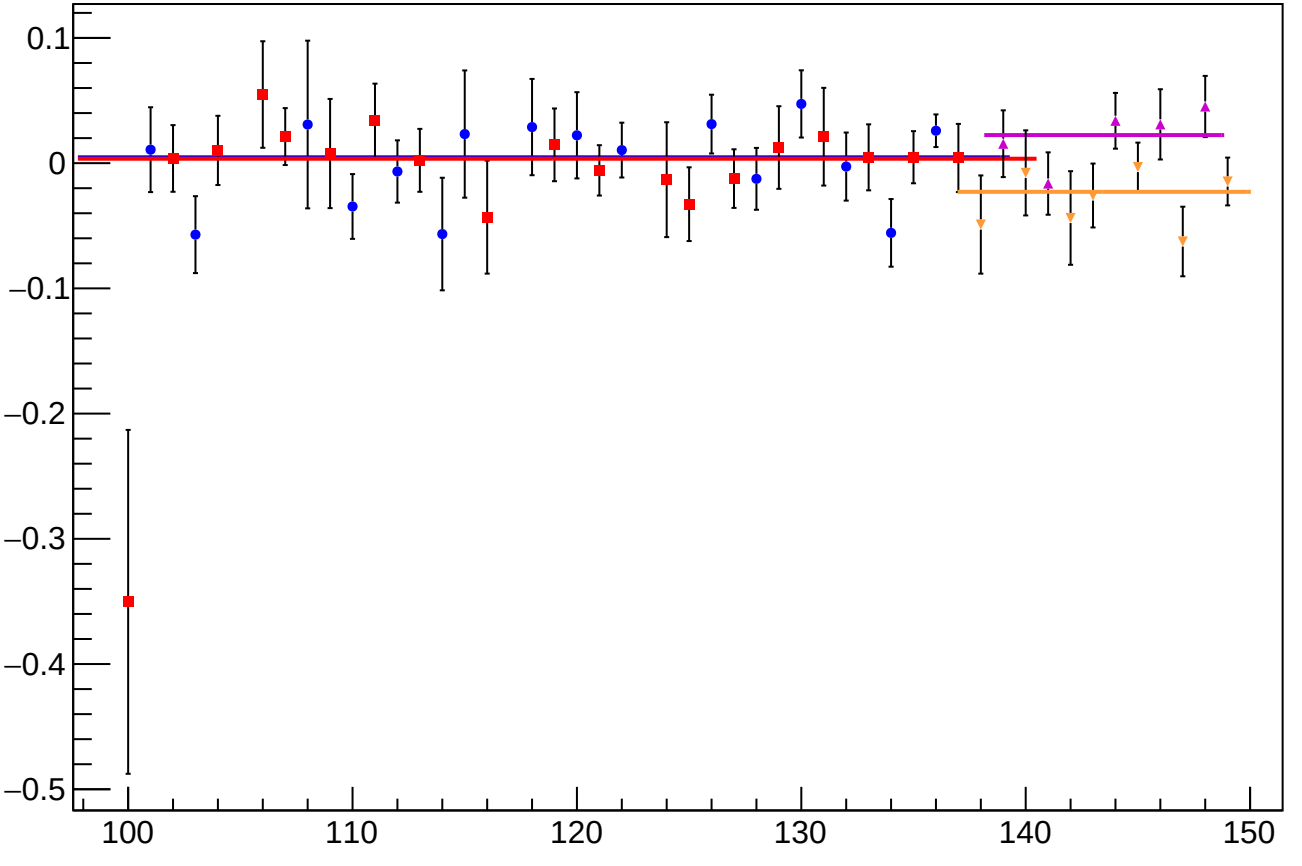
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.809+/-0.004 χ^2/NDF:1430016.5/20

Out: 18.292+/-0.004 χ^2/NDF:1777733.3/25

All: 18.058+/-0.003 χ^2/NDF: 3215261.8/46

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.023+/-0.010 χ^2/NDF:4.2/6

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: -0.003+/-0.007 χ^2/NDF: 17.2/11

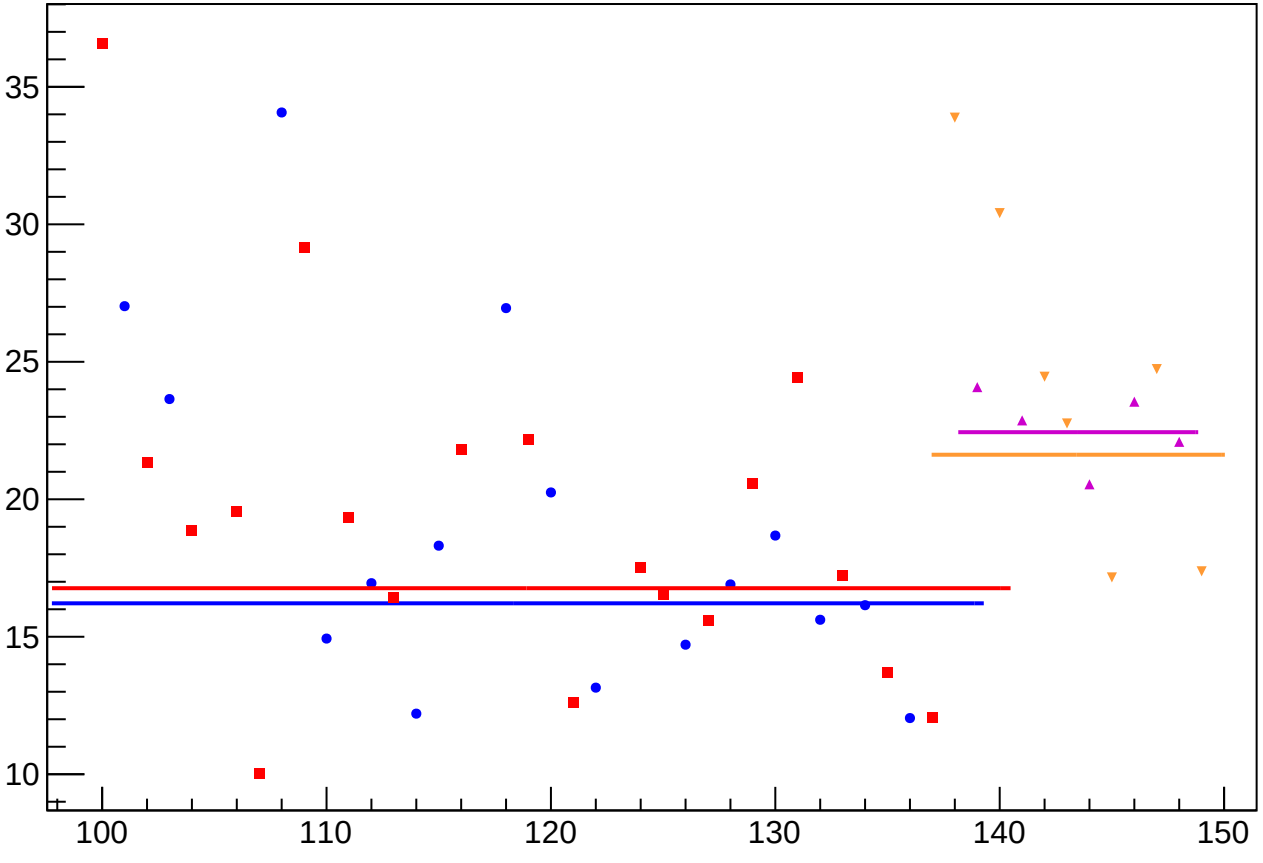
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.009+/-0.006 χ^2/NDF:27.0/20

Out: -0.005+/-0.005 χ^2/NDF:22.8/25

All: 0.002+/-0.004 χ^2/NDF: 53.0/46

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: 21.620+/-0.007 χ^2/NDF:573534.1/6

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: 21.975+/-0.005 χ^2/NDF: 605797.3/11

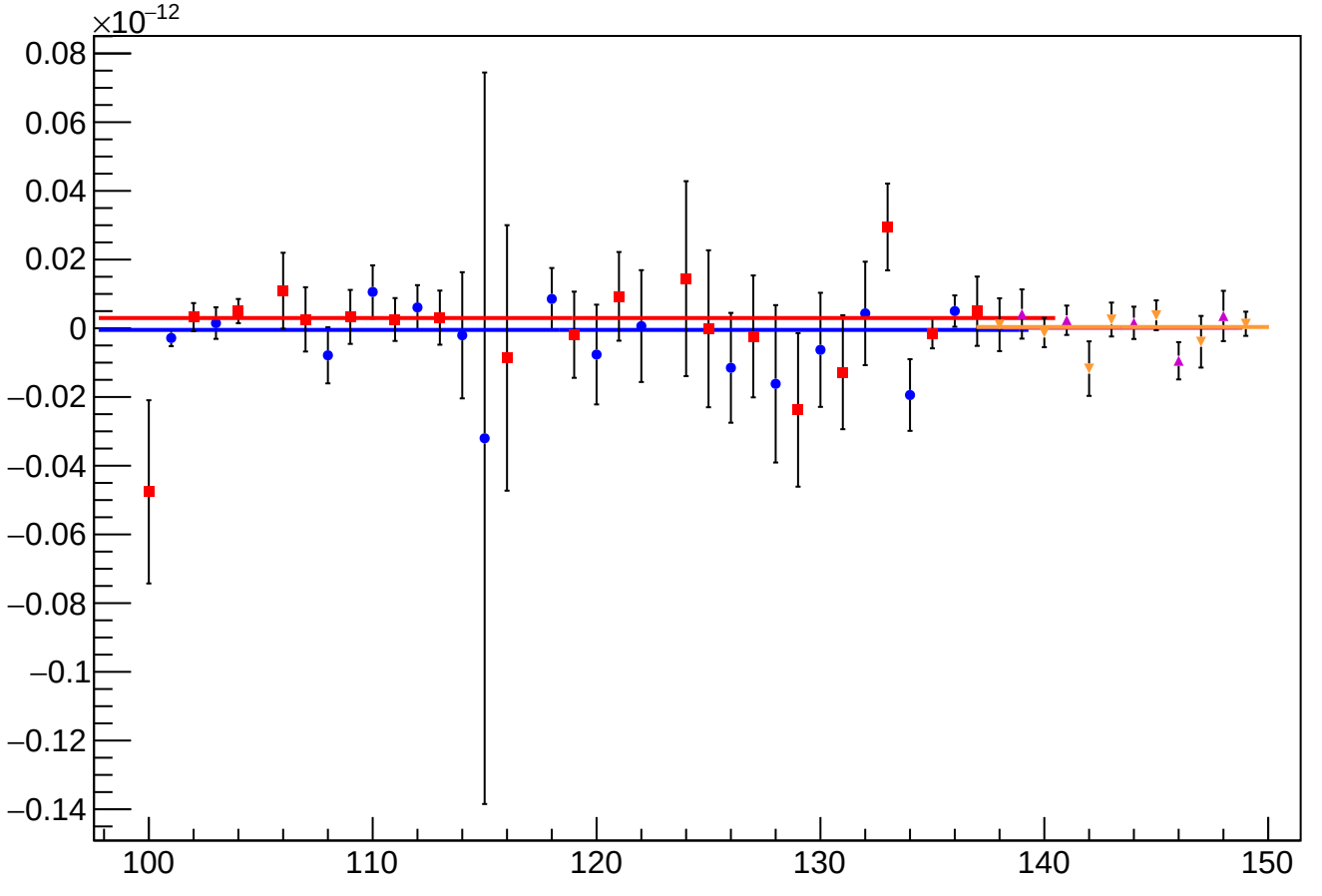
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.809+/-0.004 χ^2/NDF:1430016.5/20

Out: 18.292+/-0.004 χ^2/NDF:1777733.3/25

All: 18.058+/-0.003 χ^2/NDF: 3215261.8/46

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/6

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: 7.7/11

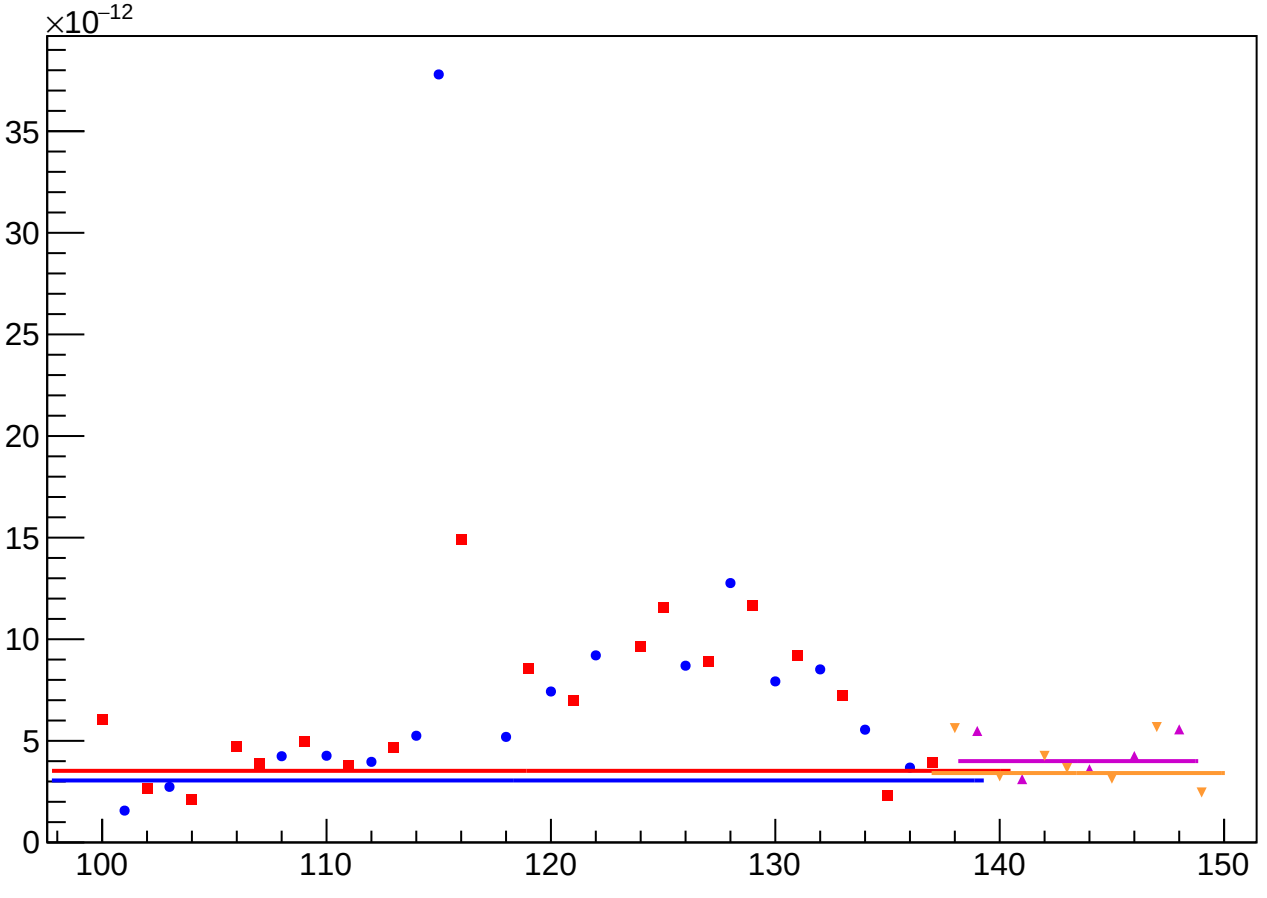
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:16.4/20

Out: 0.000+/-0.000 χ^2/NDF:17.7/25

All: 0.000+/-0.000 χ^2/NDF: 35.2/46

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:532617.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:281594.1/4

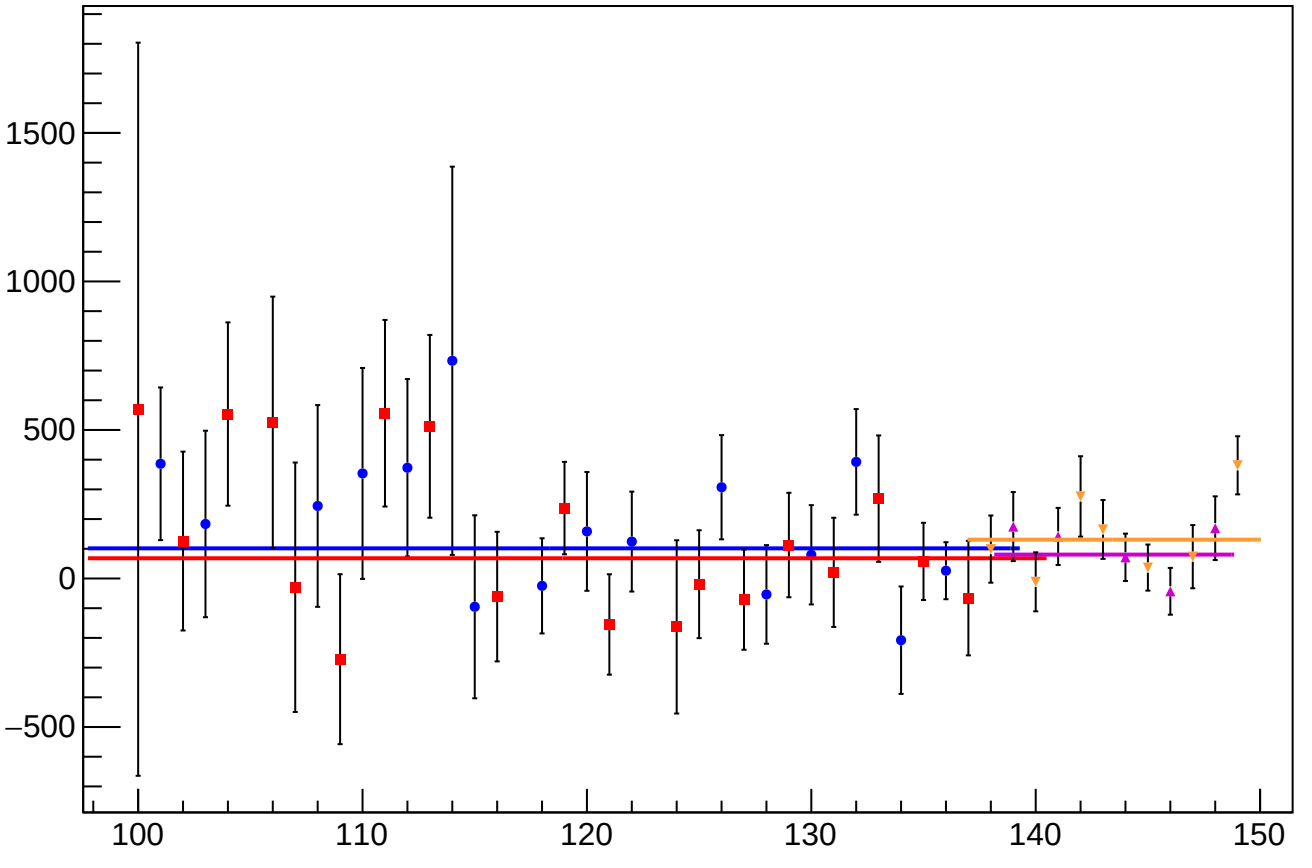
Left: 0.000+/-0.000 χ^2/NDF: 887675.3/11

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3432546.0/20

Out: 0.000+/-0.000 χ^2/NDF:3095164.2/25

All: 0.000+/-0.000 χ^2/NDF: 6536189.0/46



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 130.749+/-37.924 χ^2/NDF:11.7/6

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: 107.699+/-27.919 χ^2/NDF: 16.7/11

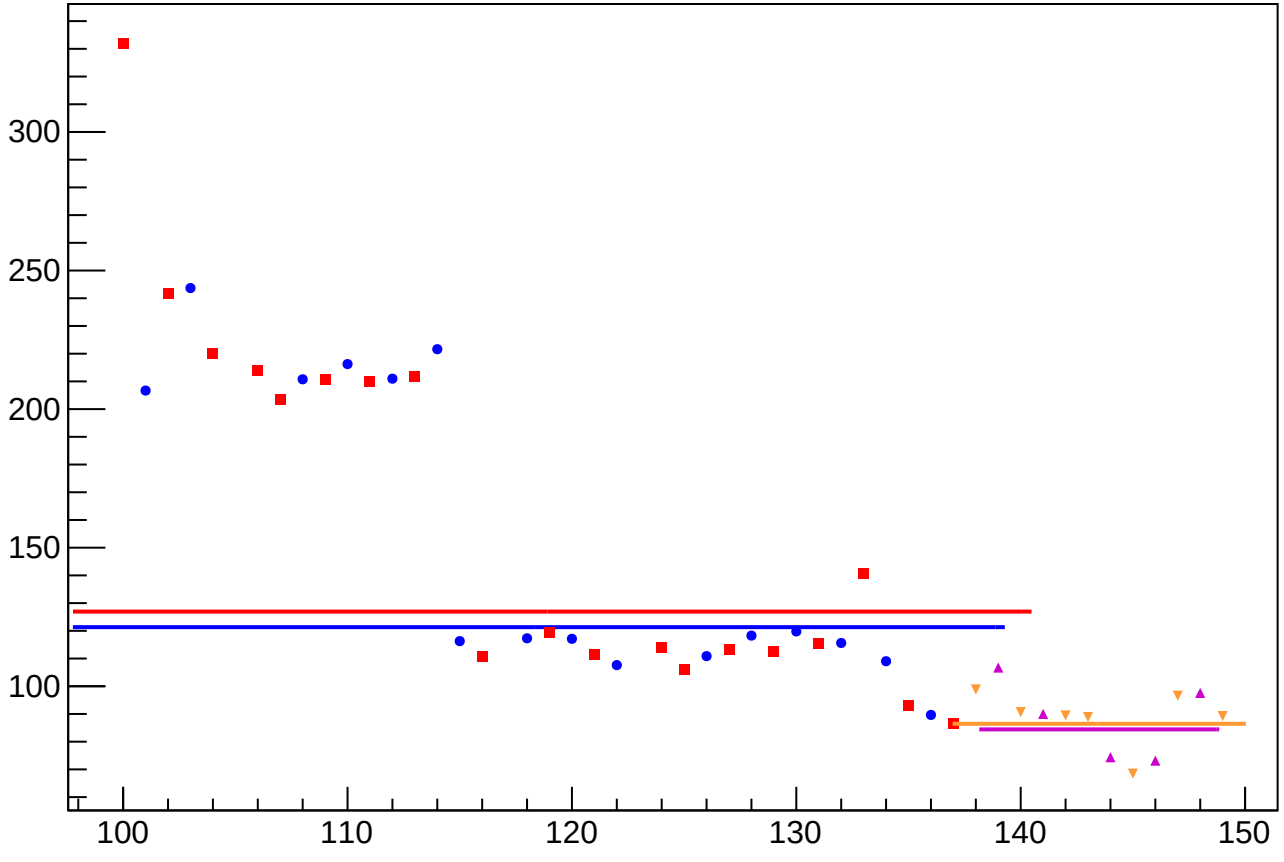
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 89.441+/-31.183 χ^2/NDF:17.7/20

Out: 107.478+/-30.065 χ^2/NDF:28.9/25

All: 98.788+/-21.644 χ^2/NDF: 46.7/46

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 86.459+/-0.027 χ^2/NDF:157230.3/6

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: 85.534+/-0.020 χ^2/NDF: 343216.8/11

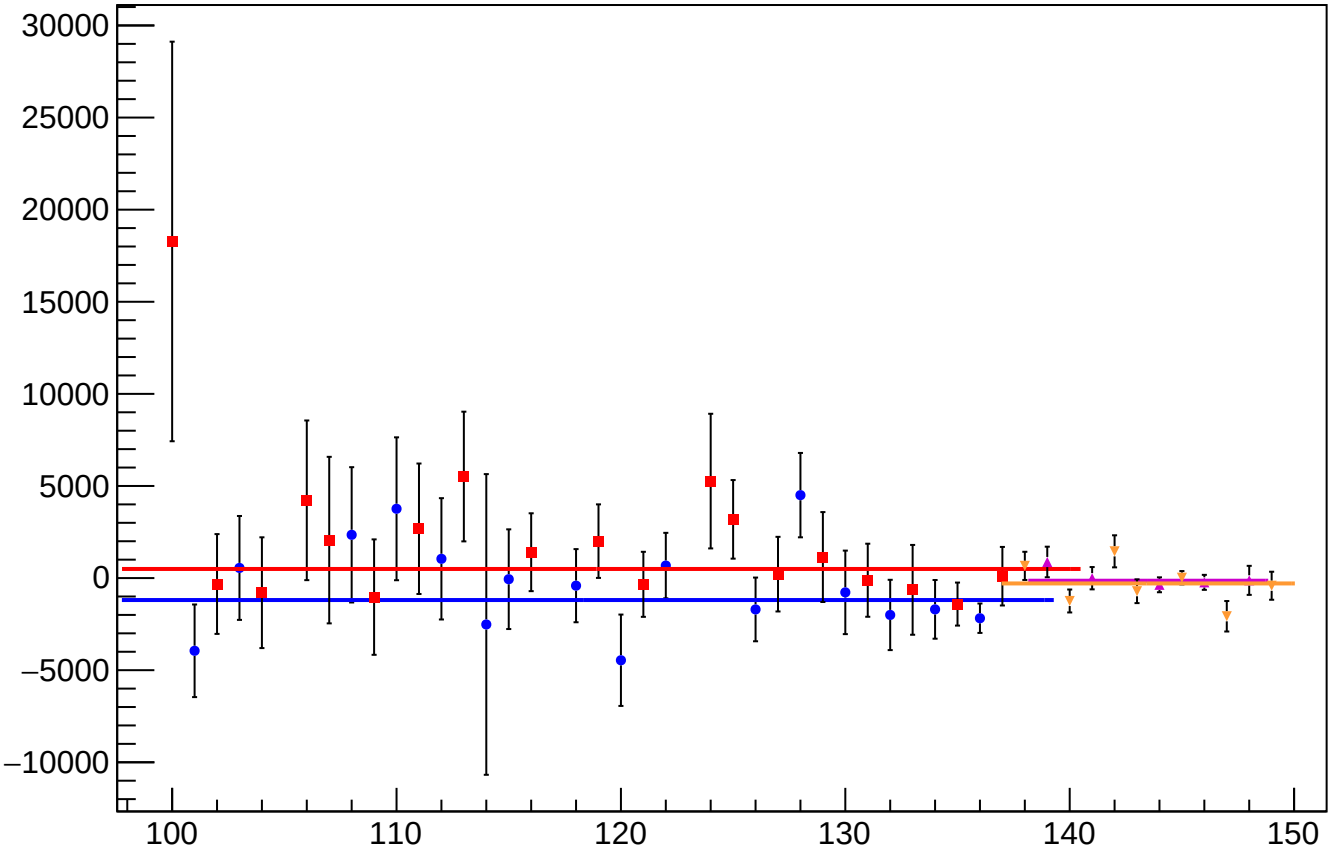
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 100.249+/-0.022 χ^2/NDF:2155378.6/20

Out: 101.500+/-0.021 χ^2/NDF:2475573.7/25

All: 100.897+/-0.015 χ^2/NDF: 4632618.8/46

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: -291.359+/-230.463 χ^2/NDF:13.7/6

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -143.861+/-236.147 χ^2/NDF:1.9/4

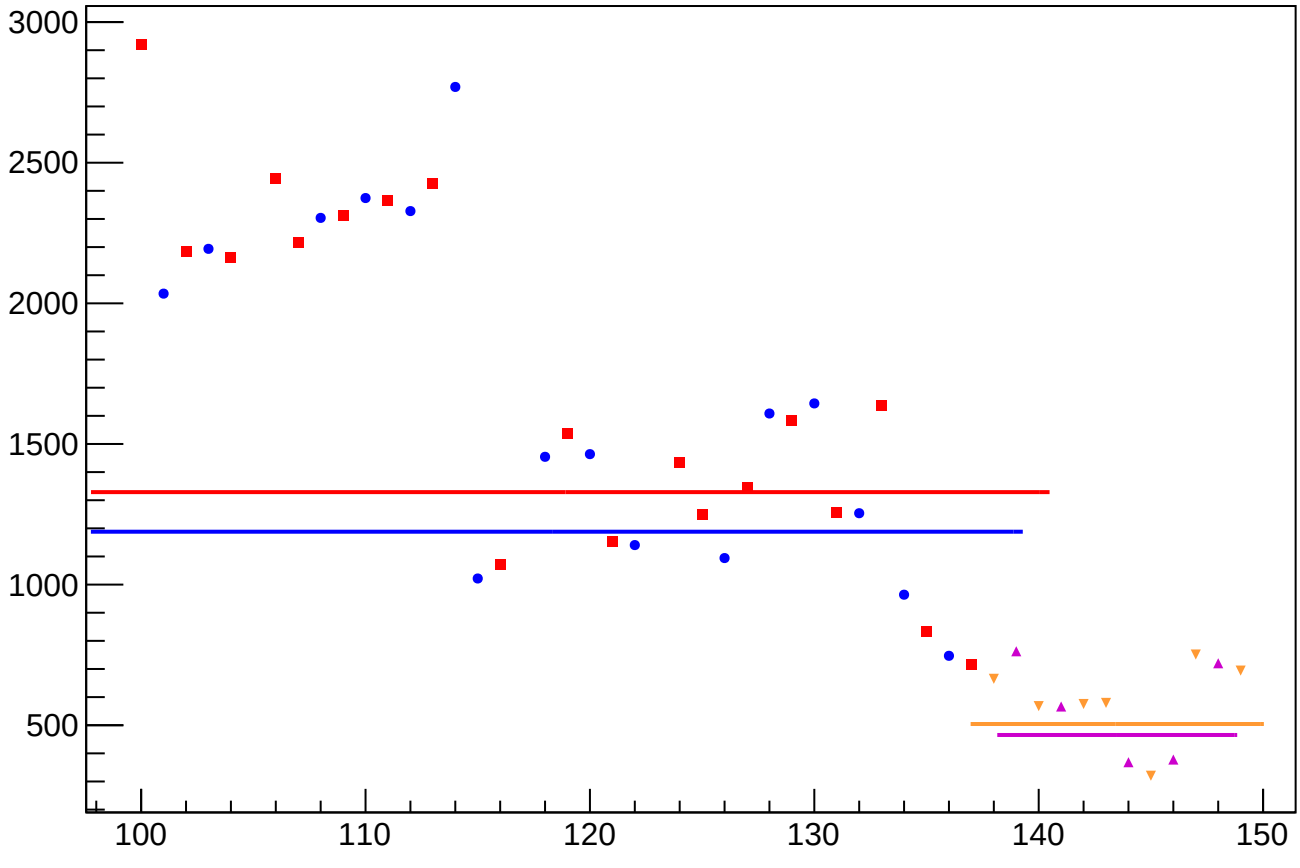
Left: -219.407+/-164.935 χ^2/NDF: 15.8/11

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -348.897+/-211.798 χ^2/NDF:21.7/20

Out: -163.044+/-210.813 χ^2/NDF:29.5/25

All: -255.537+/-149.415 χ^2/NDF: 51.6/46



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 504.375+/-0.163 χ^2/NDF:968111.8/6

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 465.349+/-0.167 χ^2/NDF:729040.3/4

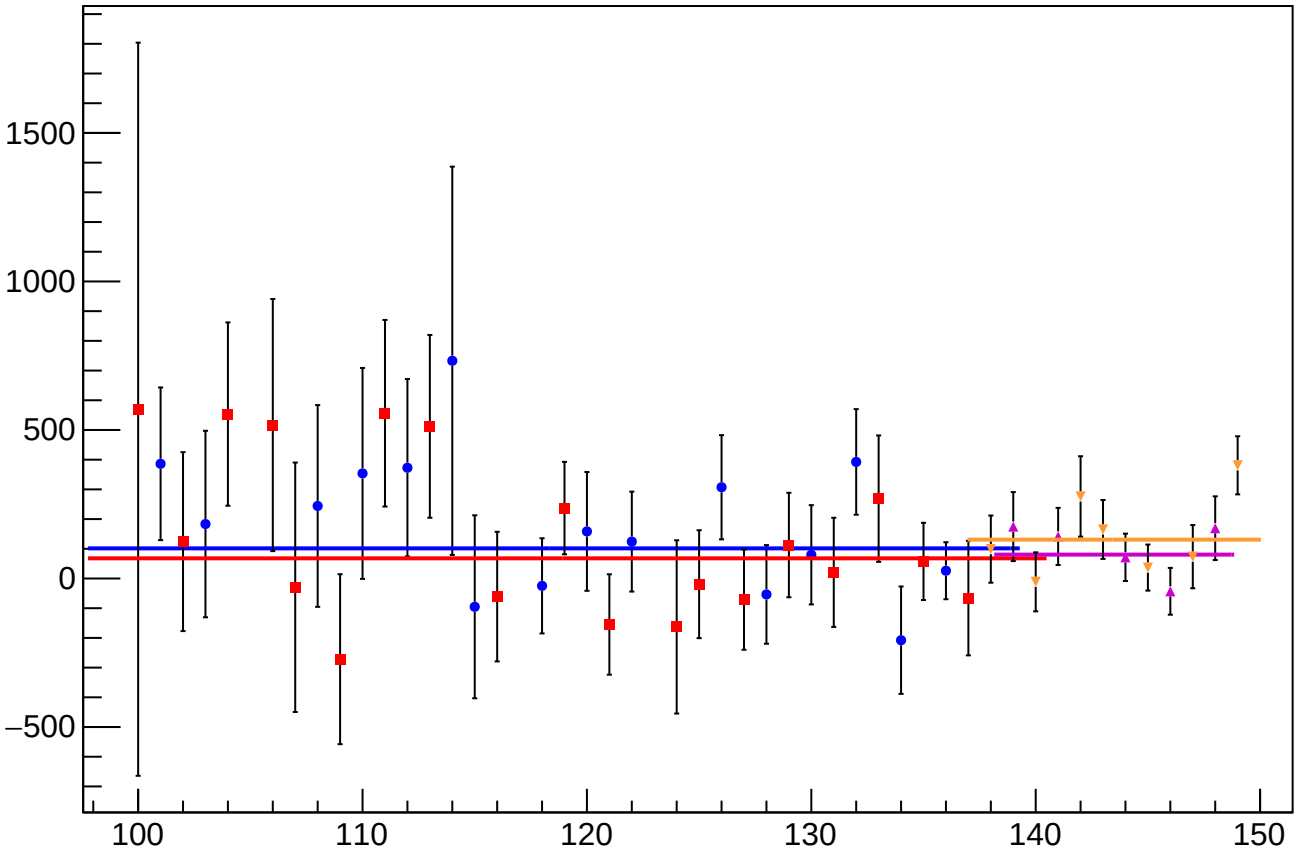
Left: 485.337+/-0.117 χ^2/NDF: 1725129.1/11

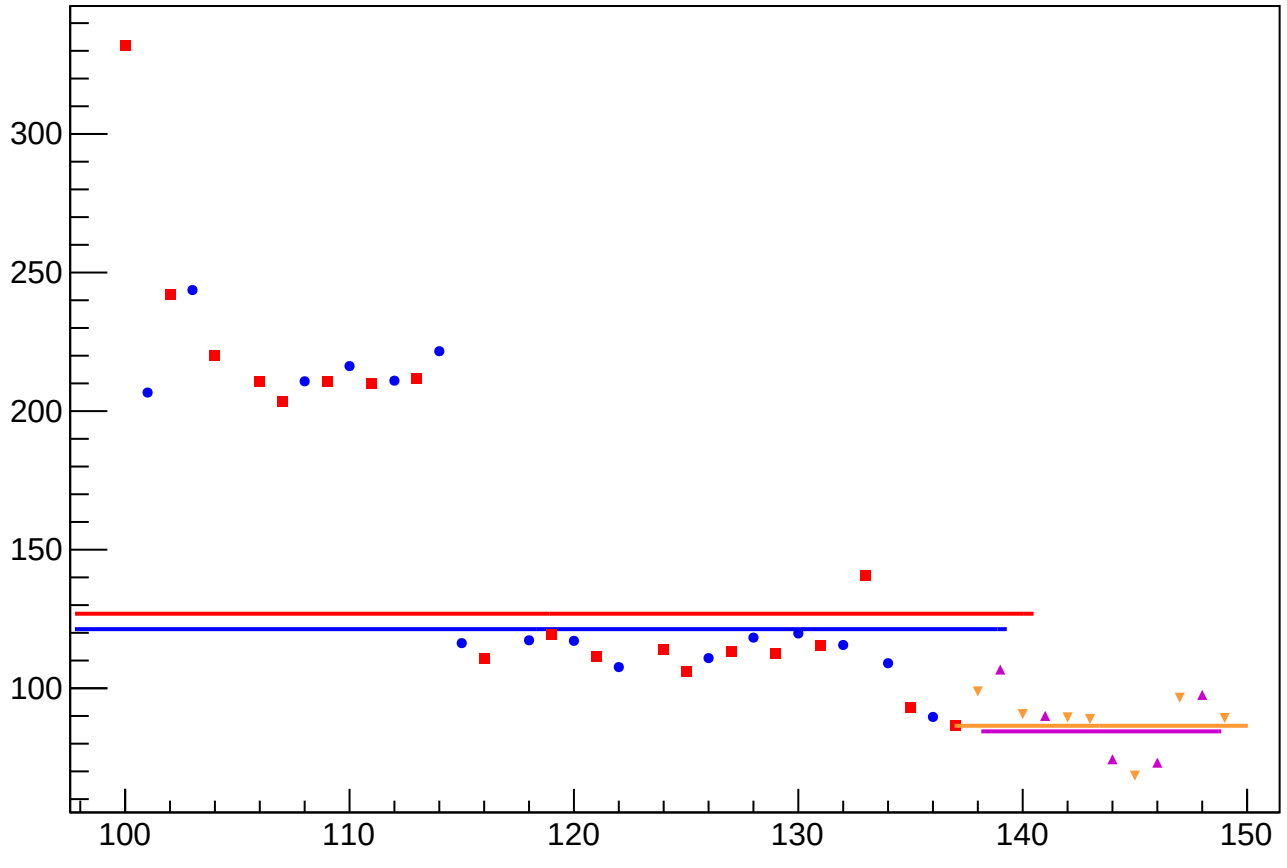
Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 606.704+/-0.150 χ^2/NDF:6437596.7/20

Out: 638.967+/-0.149 χ^2/NDF:7104266.3/25

All: 622.911+/-0.106 χ^2/NDF: 13565176.6/46


cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
Right In: 101.446+/-47.631 χ²/NDF: 13.3/15
Left Out: 130.756+/-37.924 χ²/NDF:11.7/6
Right Out: 67.881+/-49.331 χ²/NDF: 16.1/18
Left In: 80.428+/-41.252 χ²/NDF:4.2/4
Left: 107.704+/-27.919 χ²/NDF: 16.7/11
Right: 85.252+/-34.265 χ²/NDF: 29.7/34
In: 89.436+/-31.183 χ²/NDF:17.7/20
Out: 107.400+/-30.066 χ²/NDF:28.8/25
All: 98.746+/-21.644 χ²/NDF: 46.7/46



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 86.459+/-0.027 χ^2/NDF:157230.3/6

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

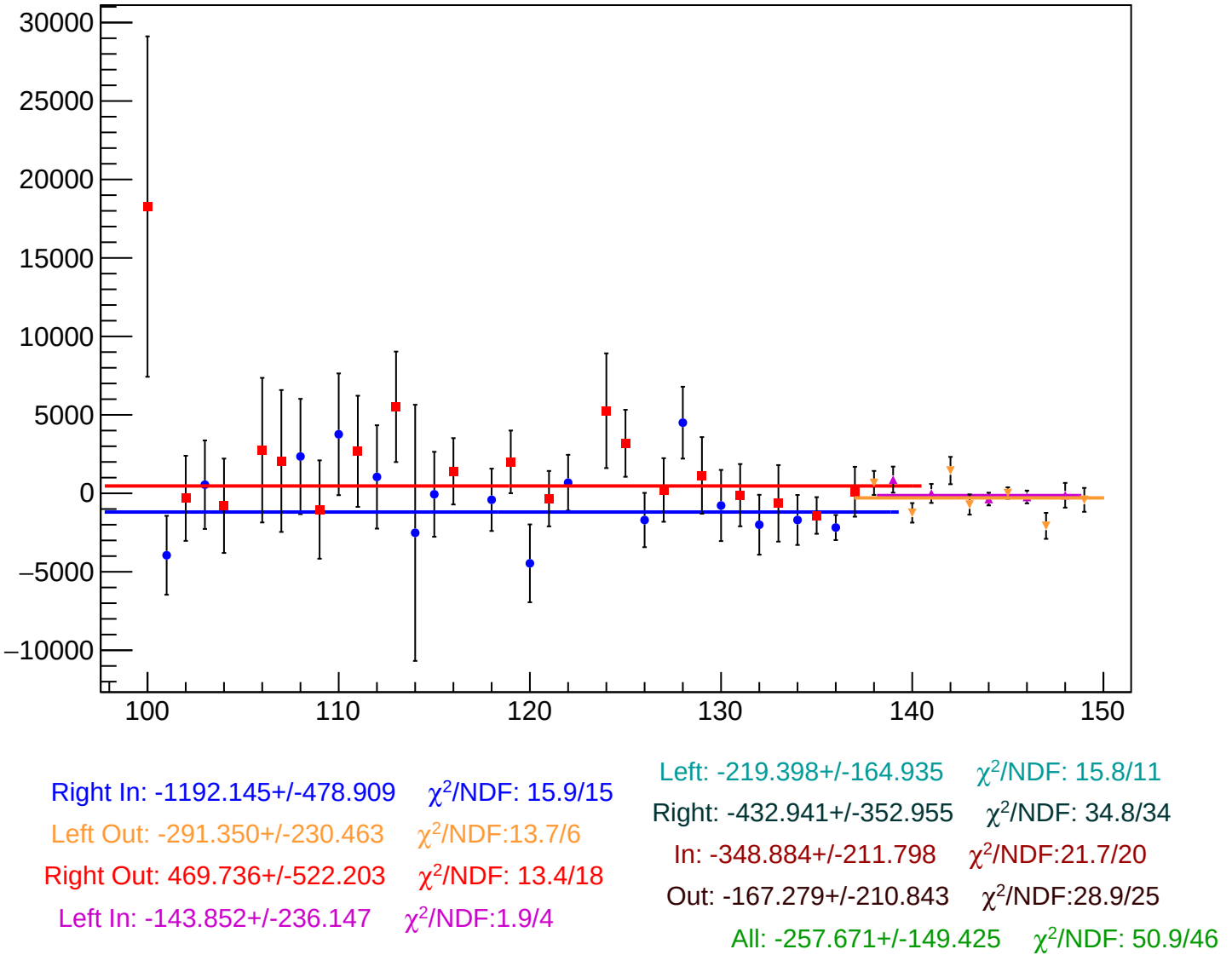
Left: 85.534+/-0.020 χ^2/NDF: 343216.8/11

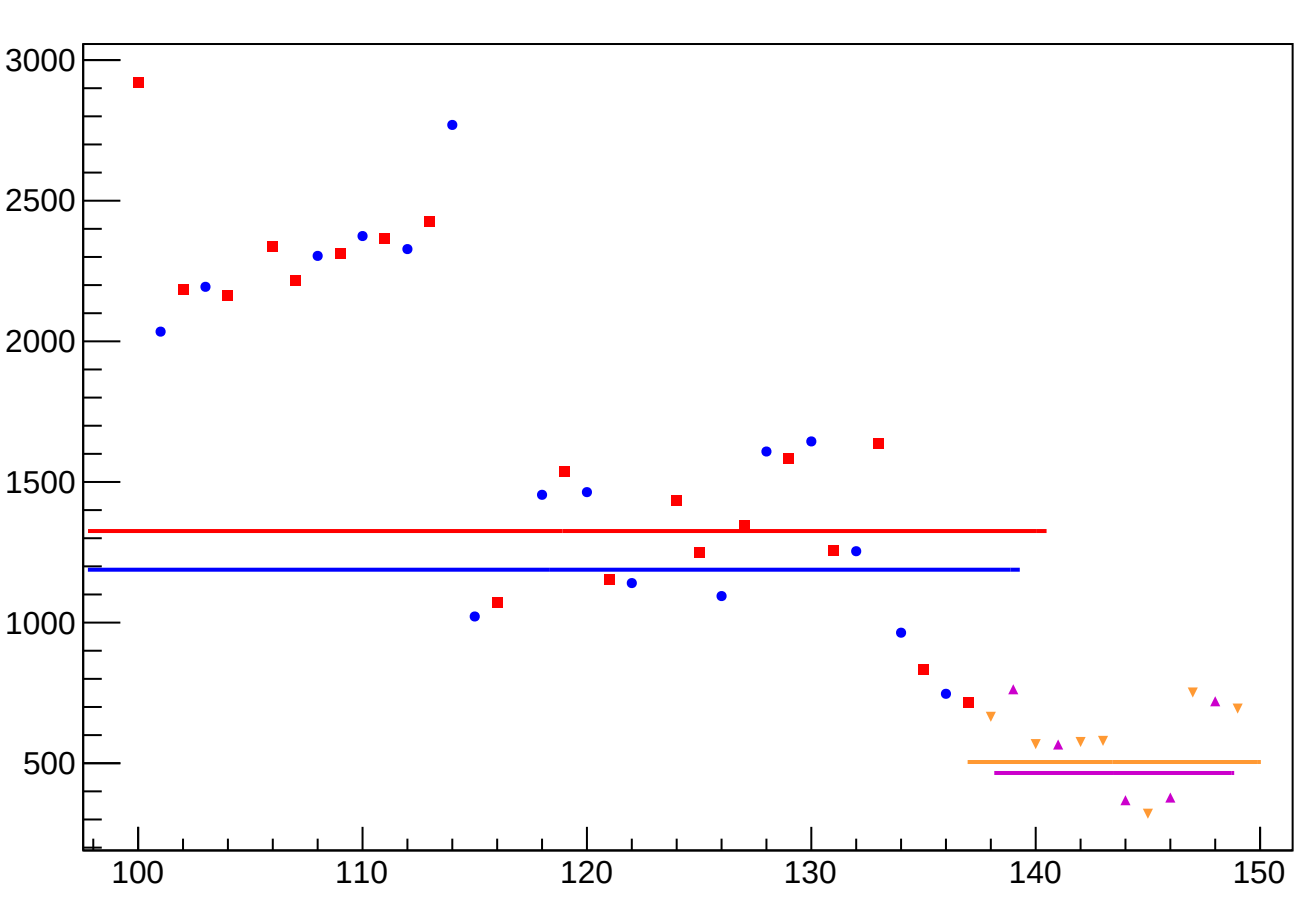
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.249+/-0.022 χ^2/NDF:2155380.9/20

Out: 101.480+/-0.021 χ^2/NDF:2467303.2/25

All: 100.887+/-0.015 χ^2/NDF: 4624298.3/46


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: -291.350+/-230.463 χ²/NDF:13.7/6
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -143.852+/-236.147 χ²/NDF:1.9/4
Left: -219.398+/-164.935 χ²/NDF: 15.8/11
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -348.884+/-211.798 χ²/NDF:21.7/20
Out: -167.279+/-210.843 χ²/NDF:28.9/25
All: -257.671+/-149.425 χ²/NDF: 50.9/46



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 504.374+/-0.163 χ^2/NDF:968117.2/6

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 465.348+/-0.167 χ^2/NDF:729040.4/4

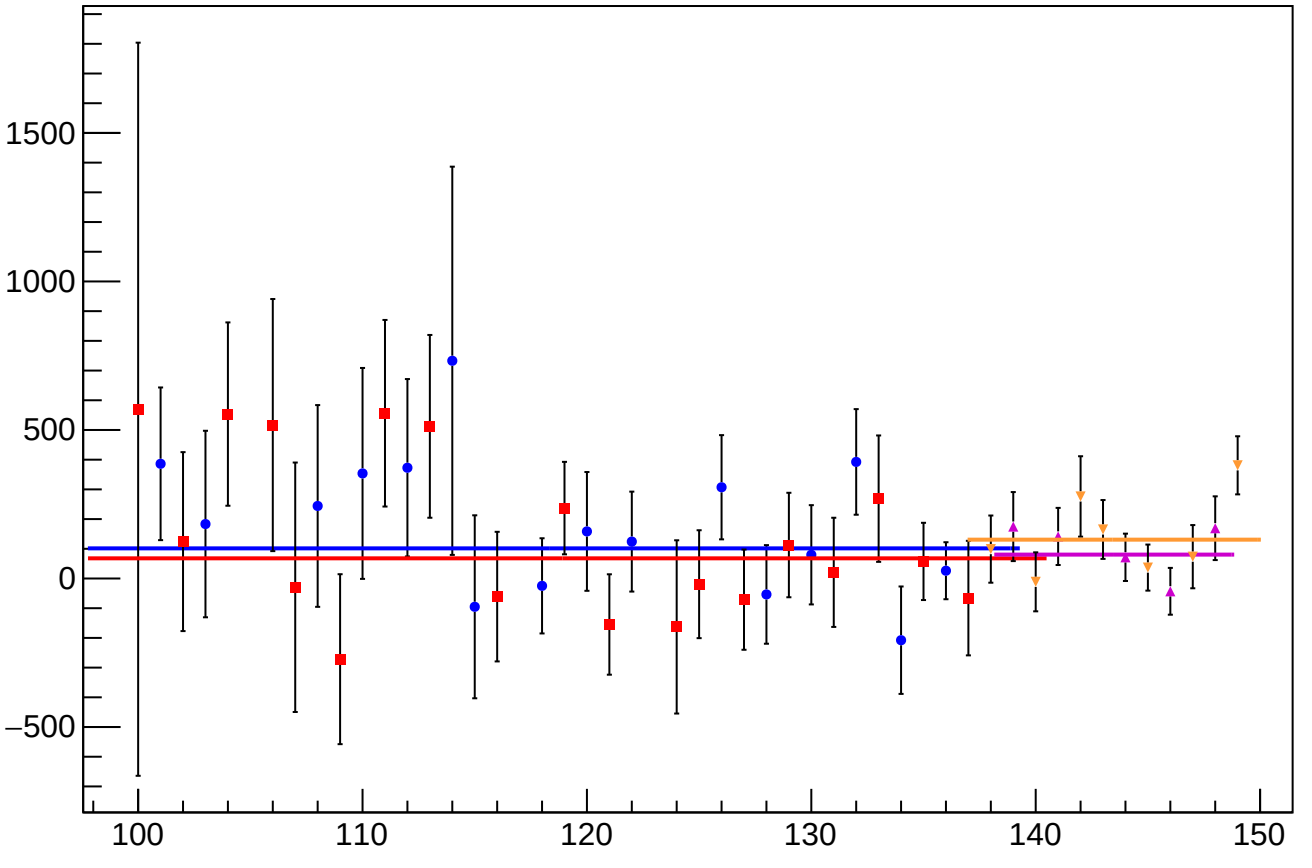
Left: 485.337+/-0.117 χ^2/NDF: 1725133.7/11

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 606.703+/-0.150 χ^2/NDF:6437619.0/20

Out: 638.243+/-0.149 χ^2/NDF:7028664.1/25

All: 622.544+/-0.106 χ^2/NDF: 13488559.6/46



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 130.756+/-37.924 χ^2/NDF:11.7/6

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: 107.704+/-27.919 χ^2/NDF: 16.7/11

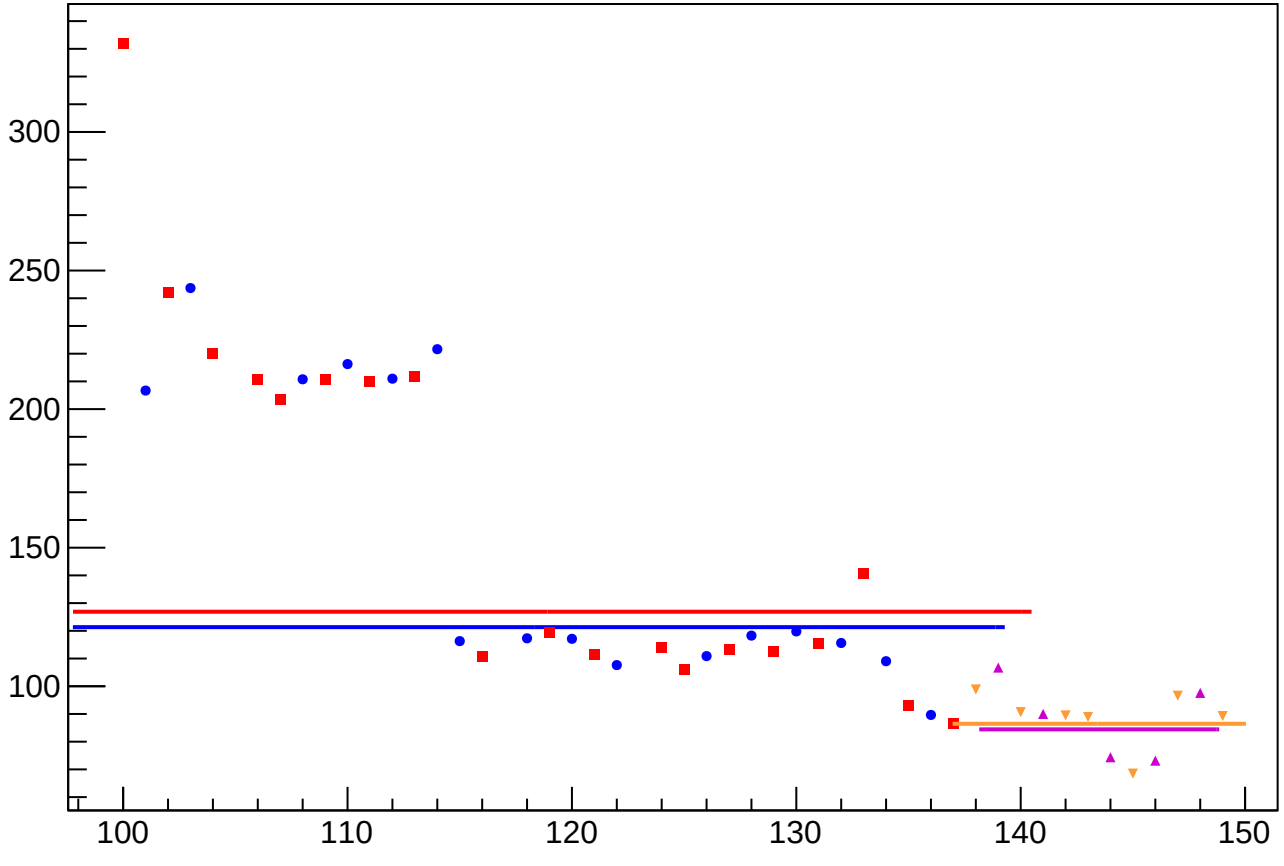
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 89.436+/-31.183 χ^2/NDF:17.7/20

Out: 107.400+/-30.066 χ^2/NDF:28.8/25

All: 98.746+/-21.644 χ^2/NDF: 46.7/46

eigen_cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 86.459+/-0.027 χ^2/NDF:157230.3/6

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 84.440+/-0.029 χ^2/NDF:183388.6/4

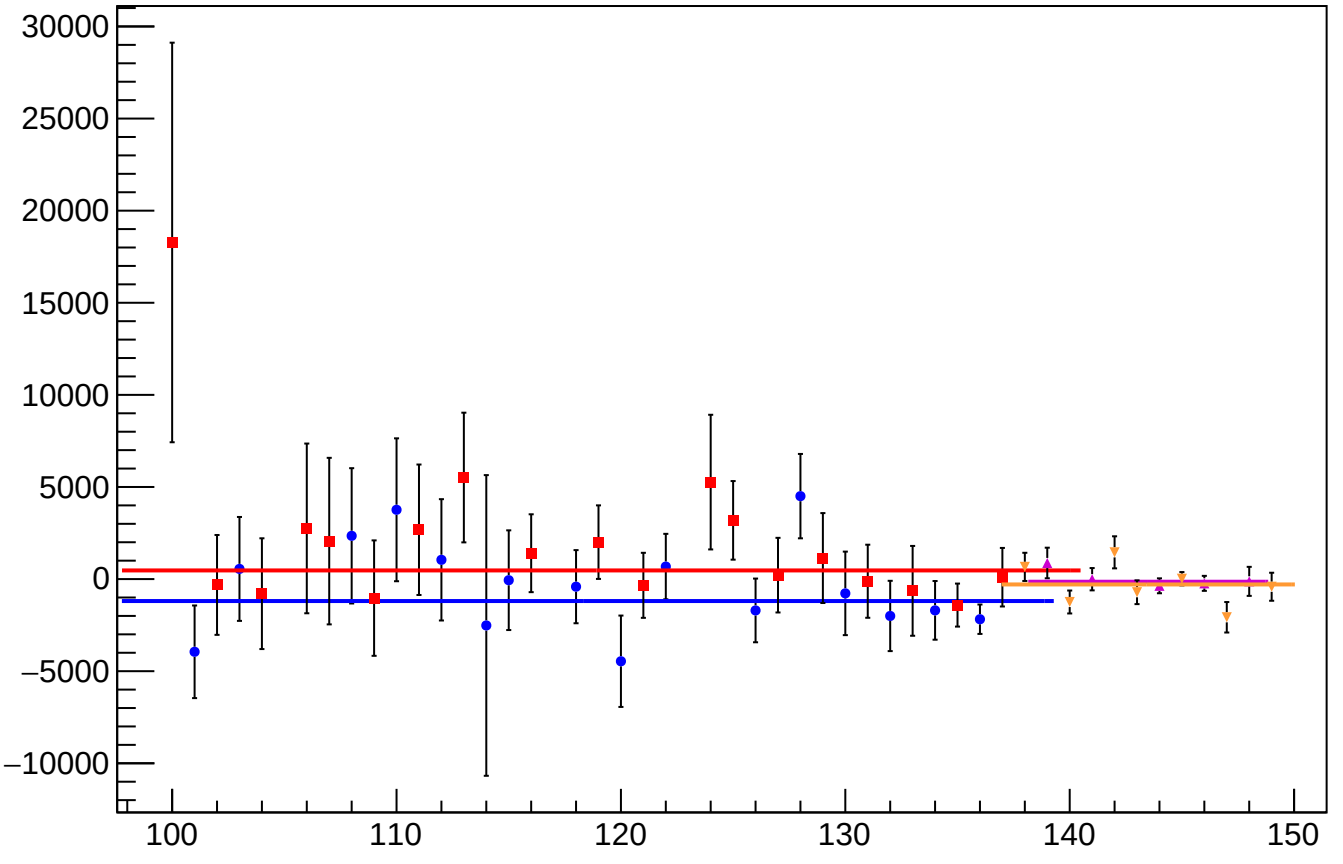
Left: 85.534+/-0.020 χ^2/NDF: 343216.8/11

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.249+/-0.022 χ^2/NDF:2155380.9/20

Out: 101.480+/-0.021 χ^2/NDF:2467303.2/25

All: 100.887+/-0.015 χ^2/NDF: 4624298.3/46



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -291.350+/-230.463 χ^2/NDF:13.7/6

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -143.852+/-236.147 χ^2/NDF:1.9/4

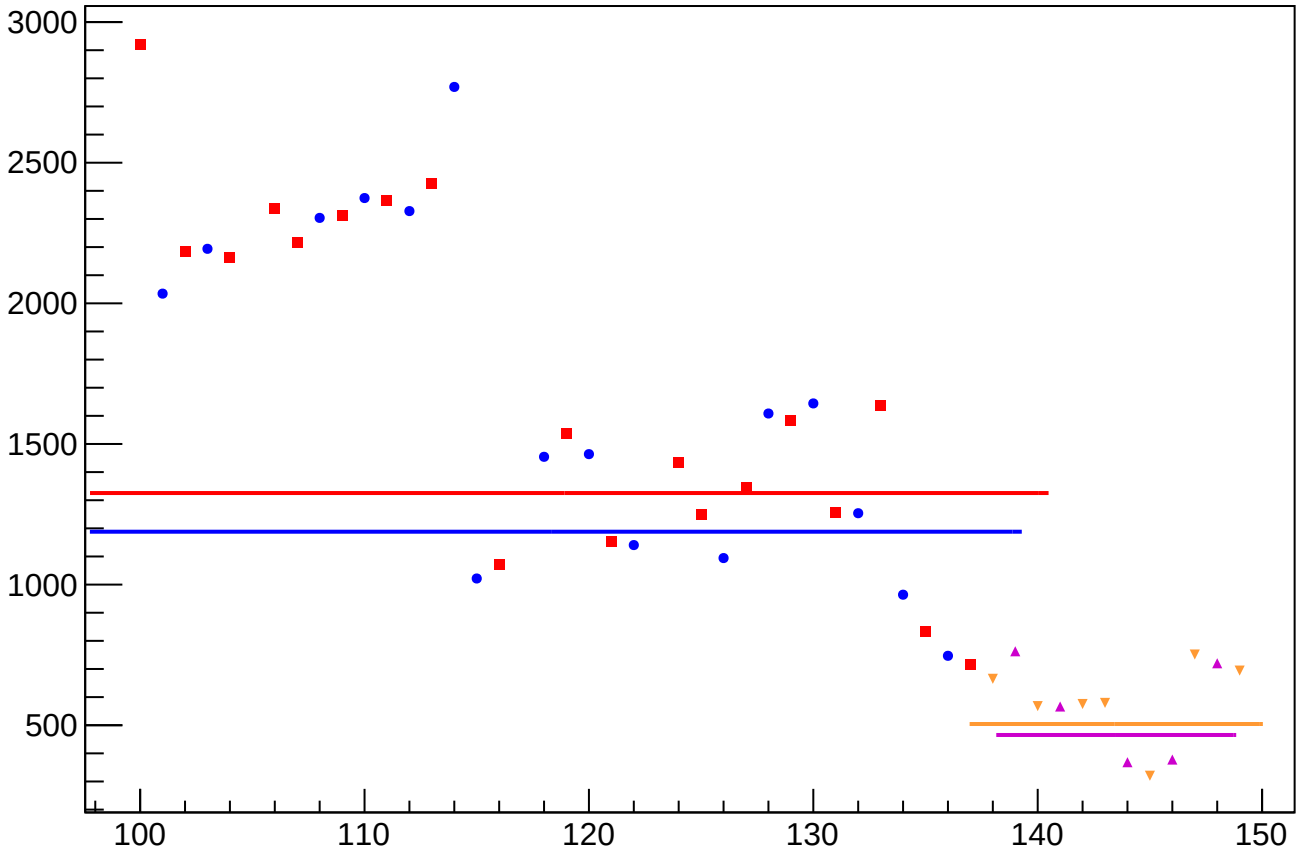
Left: -219.398+/-164.935 χ^2/NDF: 15.8/11

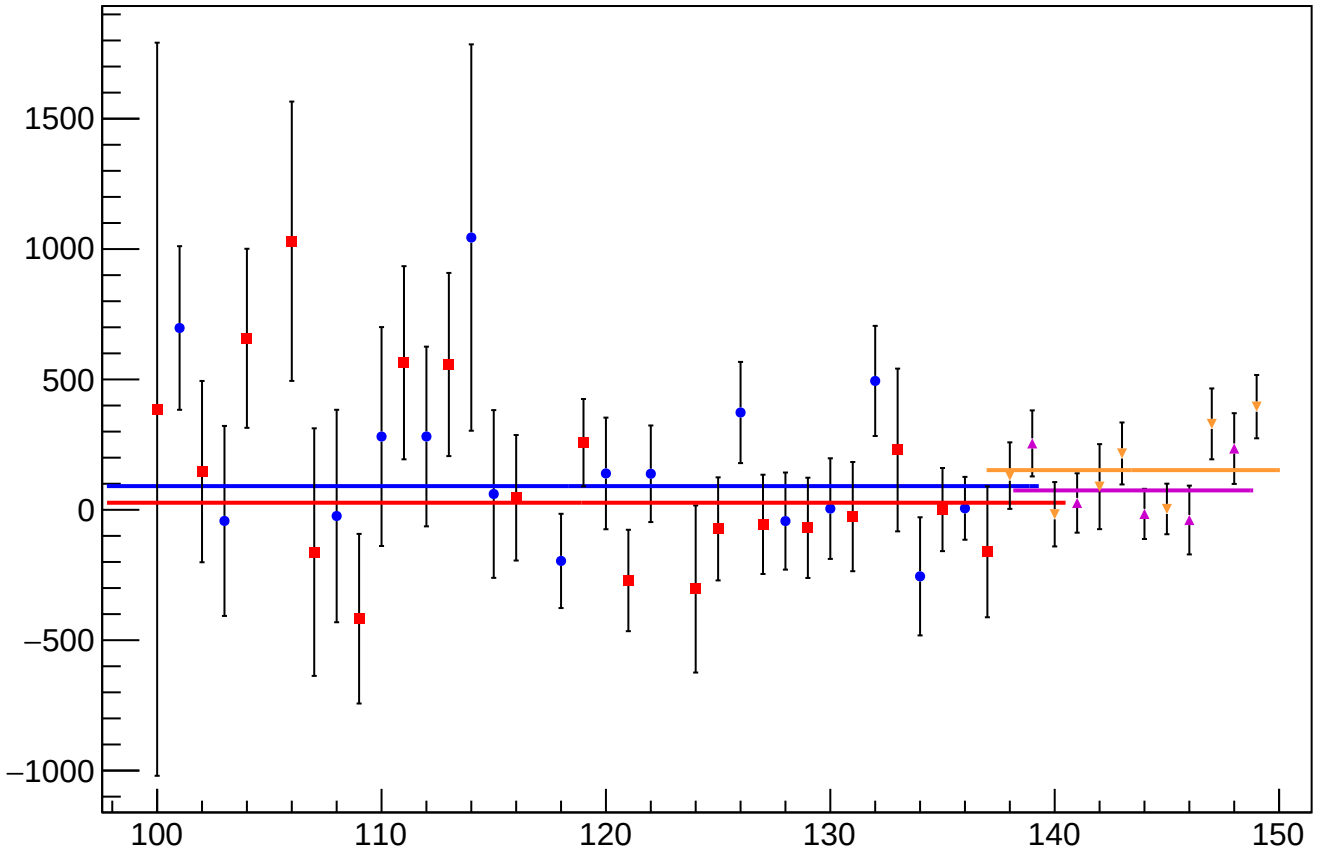
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -348.884+/-211.798 χ^2/NDF:21.7/20

Out: -167.279+/-210.843 χ^2/NDF:28.9/25

All: -257.671+/-149.425 χ^2/NDF: 50.9/46


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 504.374+/-0.163 χ²/NDF:968117.2/6
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 465.348+/-0.167 χ²/NDF:729040.4/4
Left: 485.337+/-0.117 χ²/NDF: 1725133.7/11
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 606.703+/-0.150 χ²/NDF:6437619.0/20
Out: 638.243+/-0.149 χ²/NDF:7028664.1/25
All: 622.544+/-0.106 χ²/NDF: 13488559.6/46



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 152.246+/-46.433 χ^2/NDF:10.4/6

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: 118.267+/-34.856 χ^2/NDF: 16.9/11

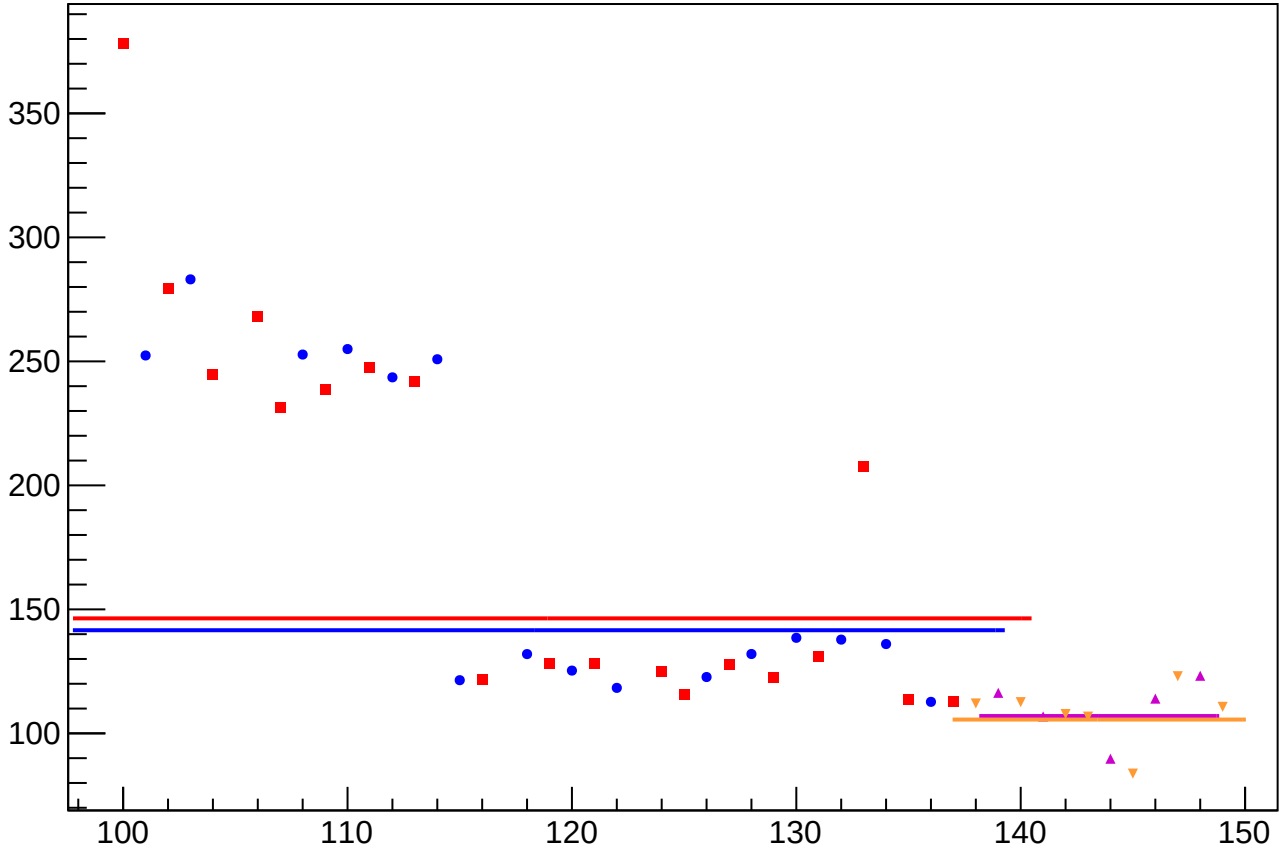
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 82.227+/-38.259 χ^2/NDF:23.3/20

Out: 102.370+/-36.004 χ^2/NDF:33.9/25

All: 92.909+/-26.220 χ^2/NDF: 57.4/46

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 105.569+/-0.033 χ^2/NDF:149898.7/6

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: 106.187+/-0.025 χ^2/NDF: 260027.5/11

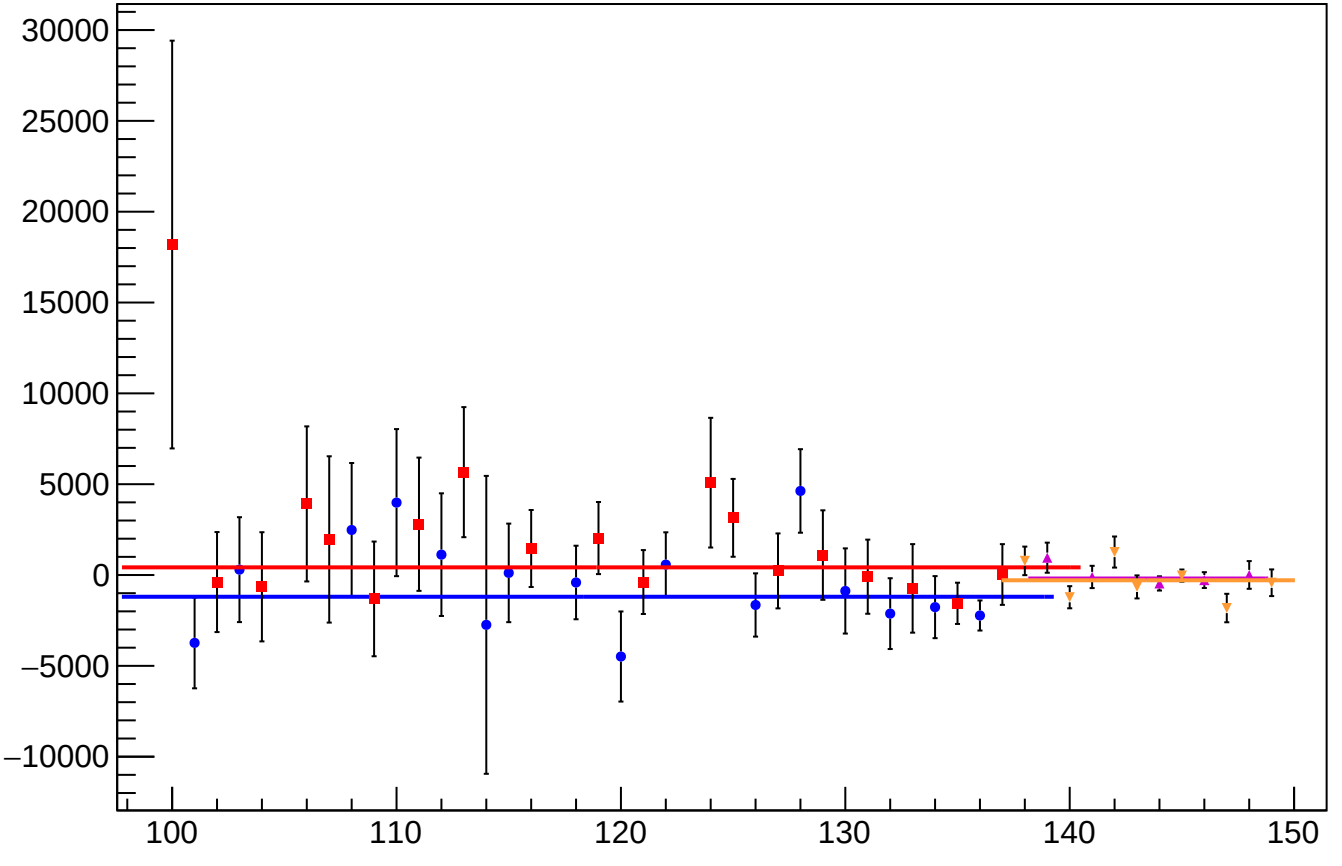
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 123.390+/-0.027 χ^2/NDF:1779536.8/20

Out: 121.839+/-0.025 χ^2/NDF:2279296.9/25

All: 122.567+/-0.019 χ^2/NDF: 4060577.7/46

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -289.147+/-220.233 χ^2/NDF:12.3/6

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -191.785+/-237.967 χ^2/NDF:2.5/4

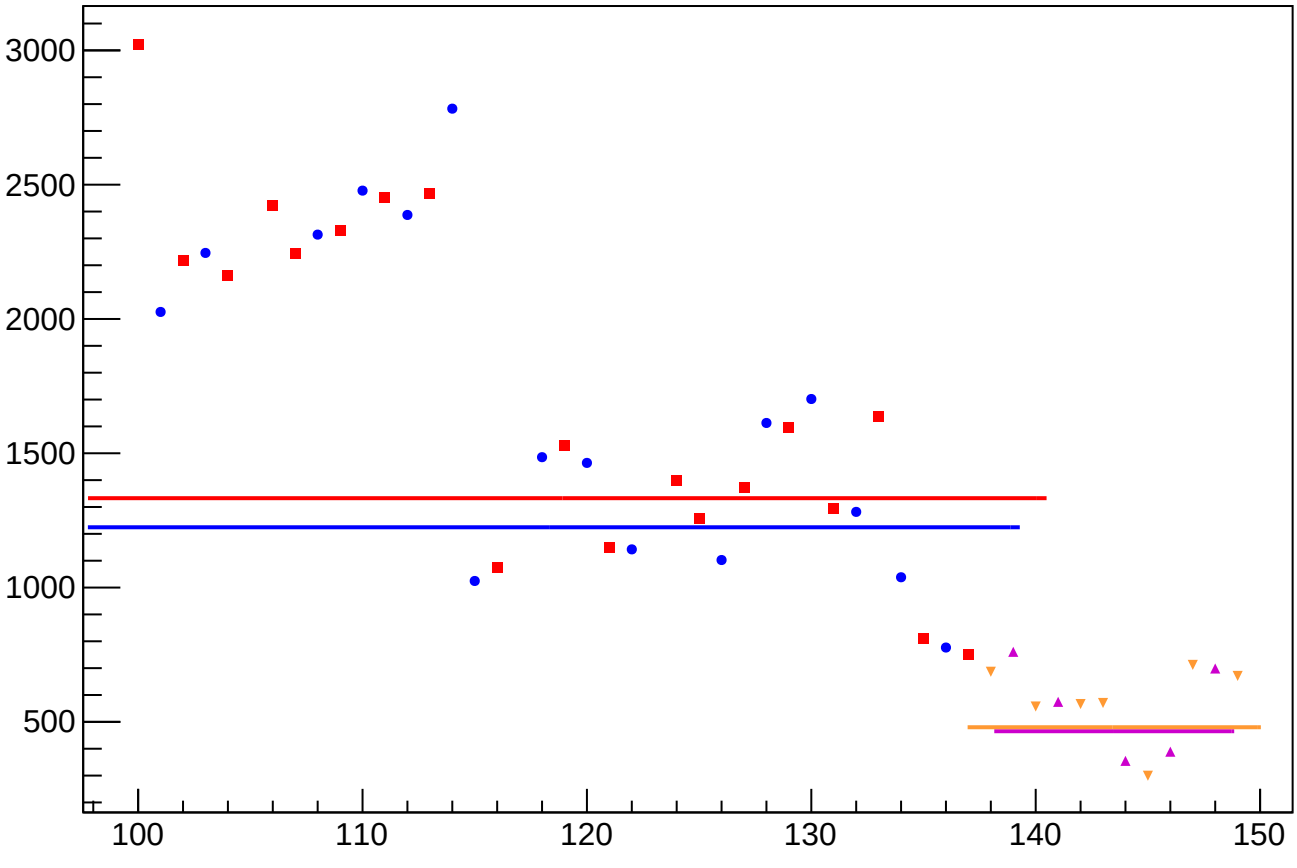
Left: -244.229+/-161.634 χ^2/NDF: 14.9/11

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -382.684+/-214.174 χ^2/NDF:21.9/20

Out: -182.304+/-203.020 χ^2/NDF:28.1/25

All: -277.141+/-147.342 χ^2/NDF: 50.4/46



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 479.954+/-0.156 χ^2/NDF:1126594.5/6

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 465.151+/-0.168 χ^2/NDF:726767.8/4

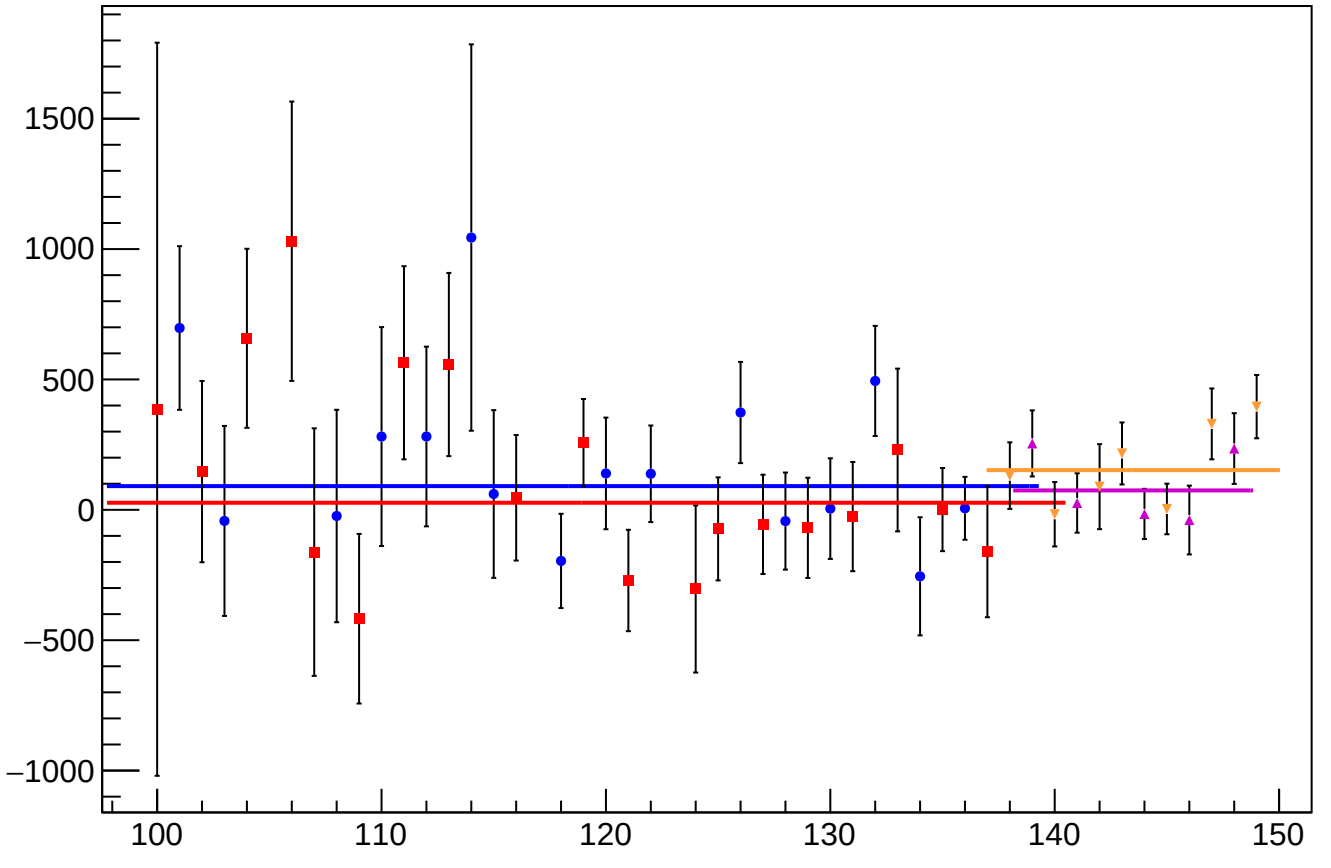
Left: 473.125+/-0.114 χ^2/NDF: 1857530.7/11

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 609.401+/-0.151 χ^2/NDF:6554573.5/20

Out: 608.055+/-0.144 χ^2/NDF:7626268.2/25

All: 608.692+/-0.104 χ^2/NDF: 14180883.3/46



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 152.245+/-46.434 χ^2/NDF:10.4/6

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 74.399+/-52.758 χ^2/NDF:5.2/4

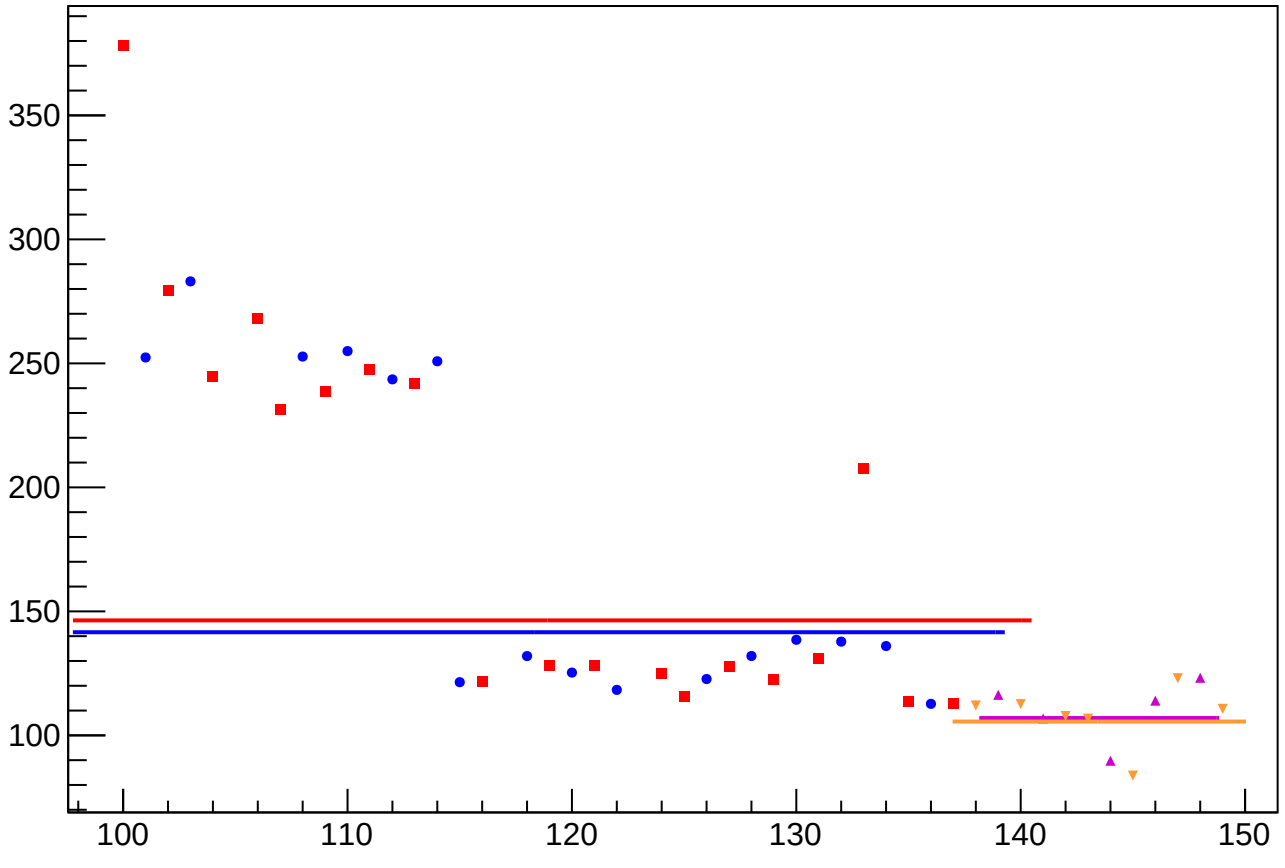
Left: 118.265+/-34.856 χ^2/NDF: 16.9/11

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 82.227+/-38.259 χ^2/NDF:23.3/20

Out: 102.369+/-36.004 χ^2/NDF:33.9/25

All: 92.909+/-26.220 χ^2/NDF: 57.4/46



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 105.569+/-0.033 χ^2/NDF:149889.4/6

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: 106.188+/-0.025 χ^2/NDF: 260015.3/11

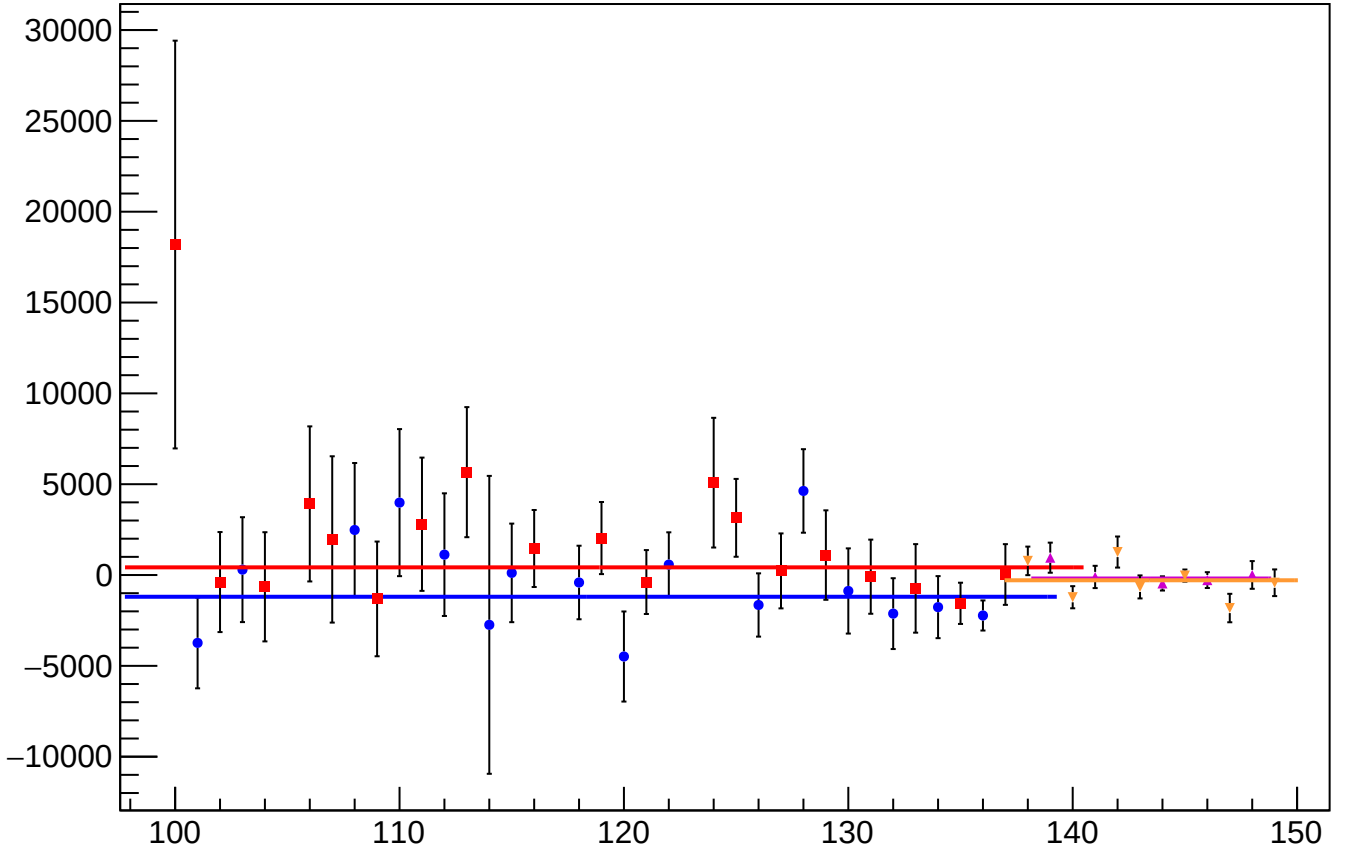
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 123.390+/-0.027 χ^2/NDF:1779489.2/20

Out: 121.839+/-0.025 χ^2/NDF:2279246.3/25

All: 122.567+/-0.019 χ^2/NDF: 4060479.1/46

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: -289.147+/-220.232 χ^2/NDF:12.3/6

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -191.786+/-237.966 χ^2/NDF:2.5/4

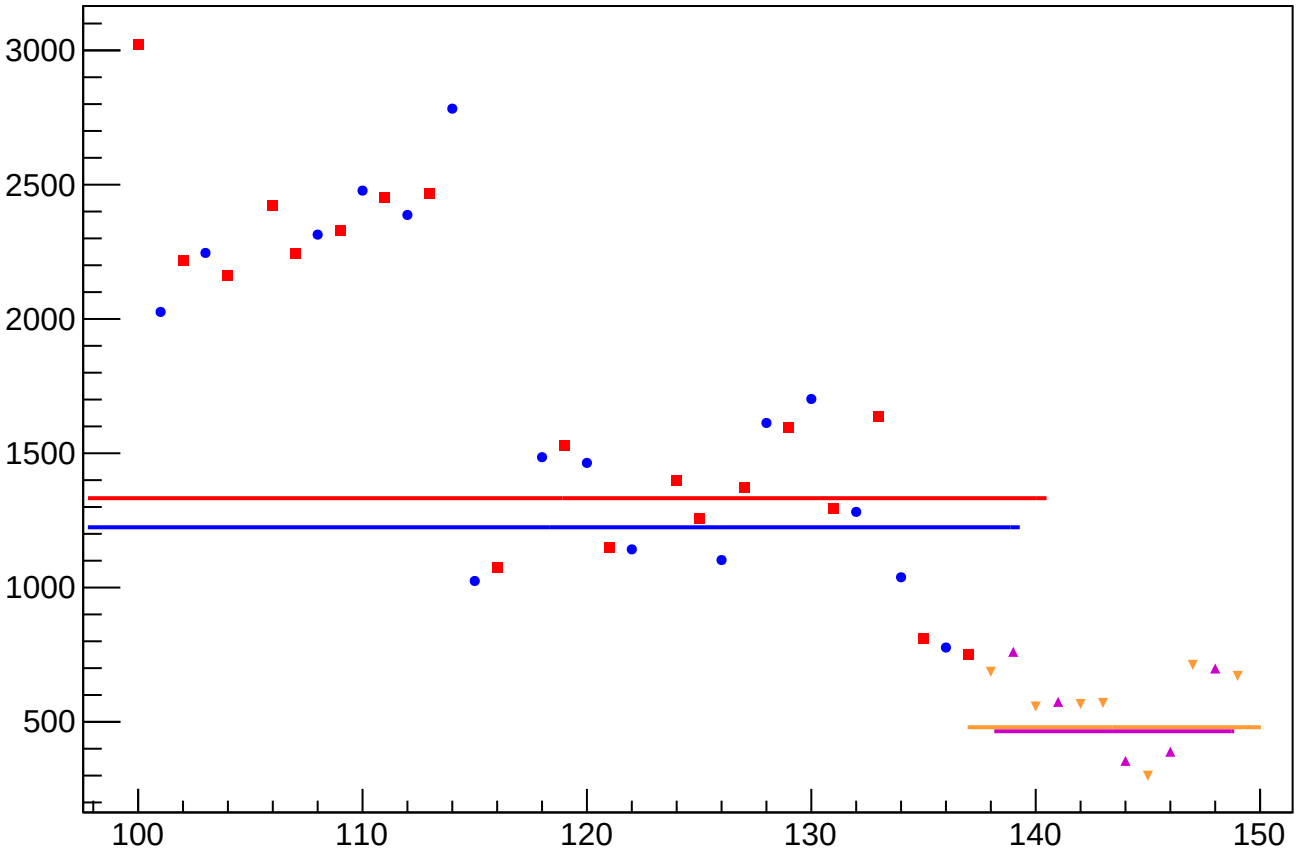
Left: -244.229+/-161.634 χ^2/NDF: 14.9/11

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -382.683+/-214.173 χ^2/NDF:21.9/20

Out: -182.304+/-203.019 χ^2/NDF:28.1/25

All: -277.140+/-147.342 χ^2/NDF: 50.4/46



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 479.951+/-0.156 χ^2/NDF:1126621.5/6

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: 473.123+/-0.114 χ^2/NDF: 1857562.0/11

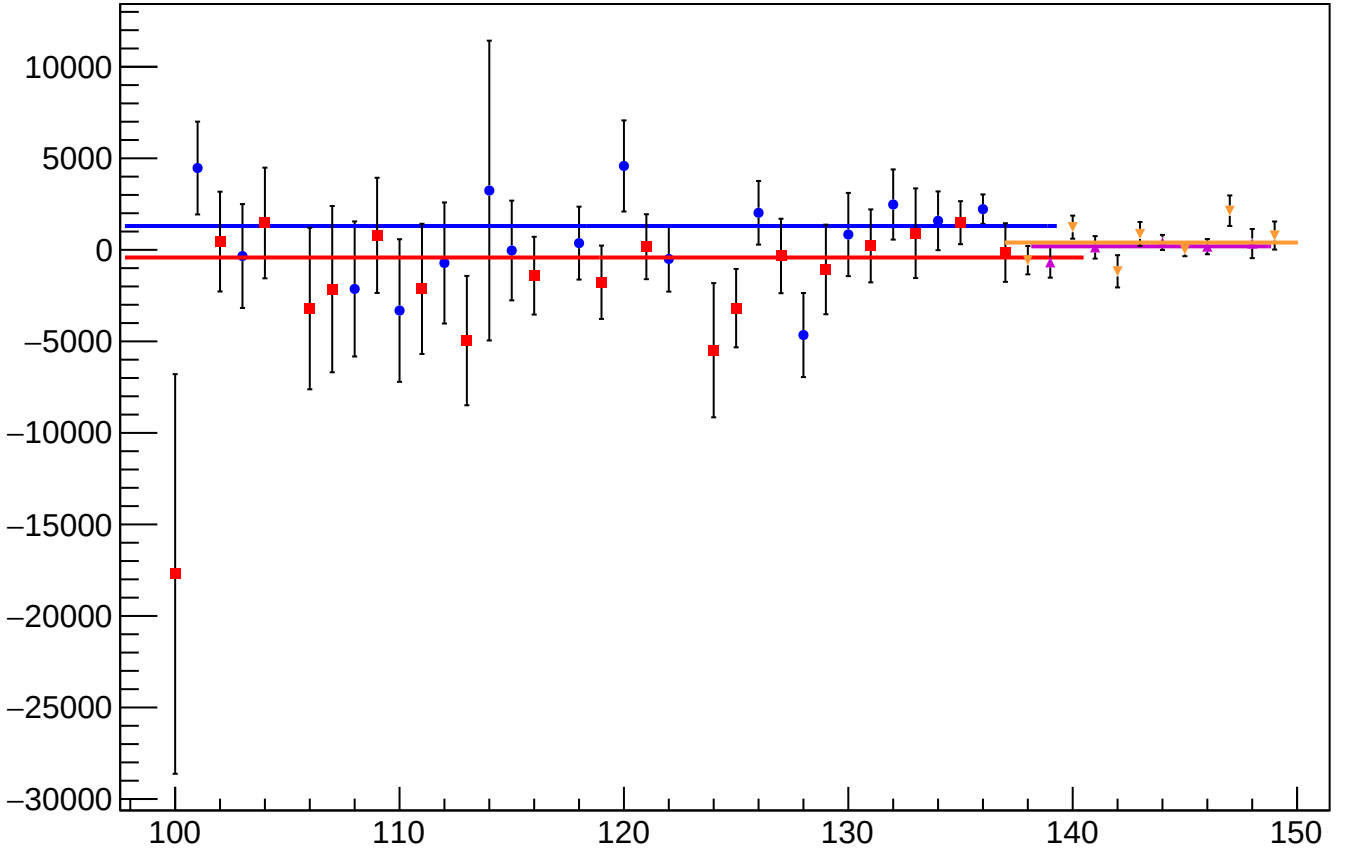
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 609.399+/-0.151 χ^2/NDF:6554578.1/20

Out: 608.052+/-0.144 χ^2/NDF:7626312.4/25

All: 608.690+/-0.104 χ^2/NDF: 14180932.1/46

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 399.244+/-234.231 χ^2/NDF:12.7/6

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: 298.066+/-167.791 χ^2/NDF: 14.4/11

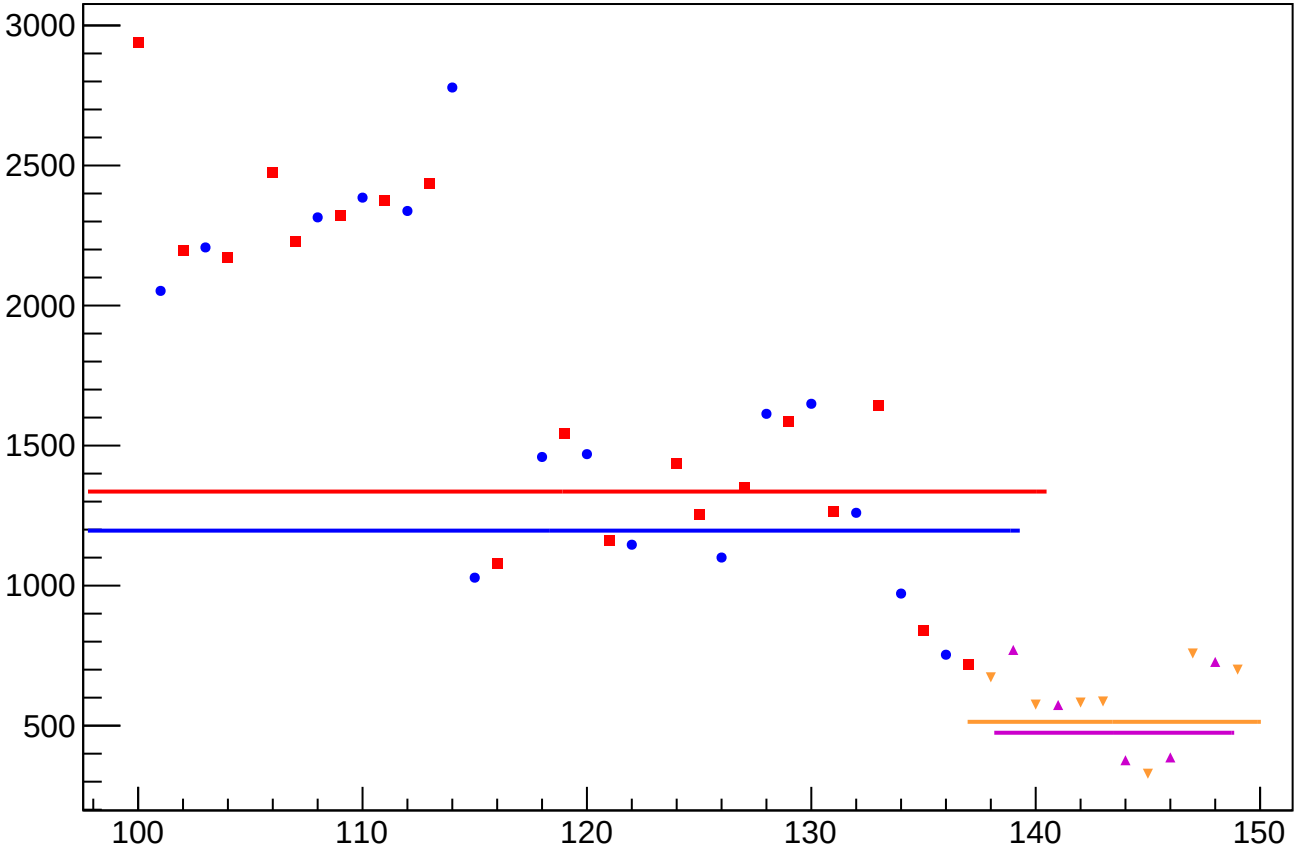
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 412.719+/-215.178 χ^2/NDF:22.1/20

Out: 263.318+/-213.874 χ^2/NDF:27.7/25

All: 337.565+/-151.691 χ^2/NDF: 50.1/46

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 513.729+/-0.166 χ^2/NDF:928249.7/6

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 474.721+/-0.170 χ^2/NDF:705419.8/4

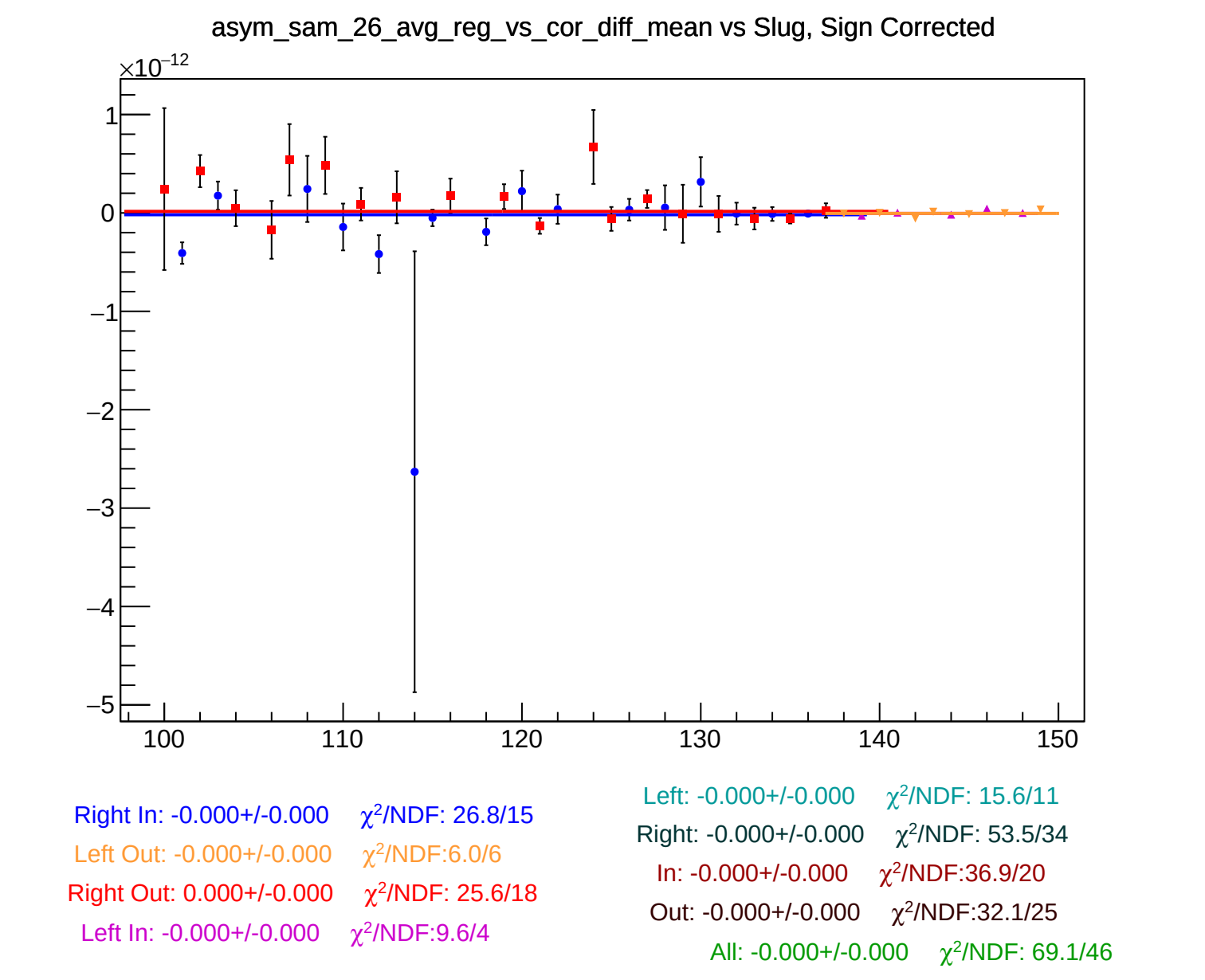
Left: 494.738+/-0.119 χ^2/NDF: 1660675.2/11

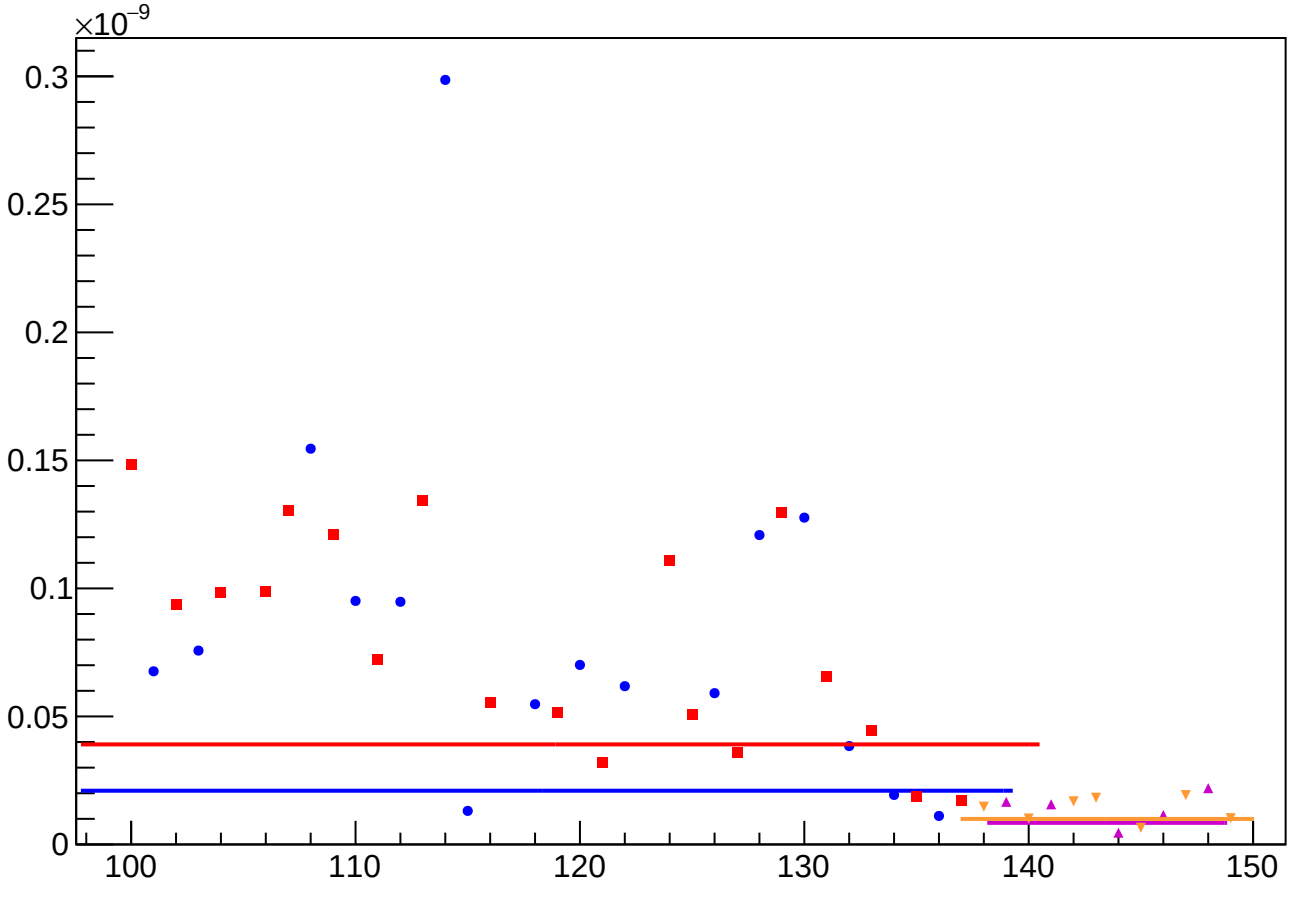
Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 618.564+/-0.152 χ^2/NDF:6327137.2/20

Out: 650.413+/-0.151 χ^2/NDF:6975811.8/25

All: 634.585+/-0.107 χ^2/NDF: 13324989.0/46


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 26.8/15
Left Out: -0.000+/-0.000 χ²/NDF:6.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/18
Left In: -0.000+/-0.000 χ²/NDF:9.6/4
Left: -0.000+/-0.000 χ²/NDF: 15.6/11
Right: -0.000+/-0.000 χ²/NDF: 53.5/34
In: -0.000+/-0.000 χ²/NDF:36.9/20
Out: -0.000+/-0.000 χ²/NDF:32.1/25
All: -0.000+/-0.000 χ²/NDF: 69.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:649386.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1008065.3/4

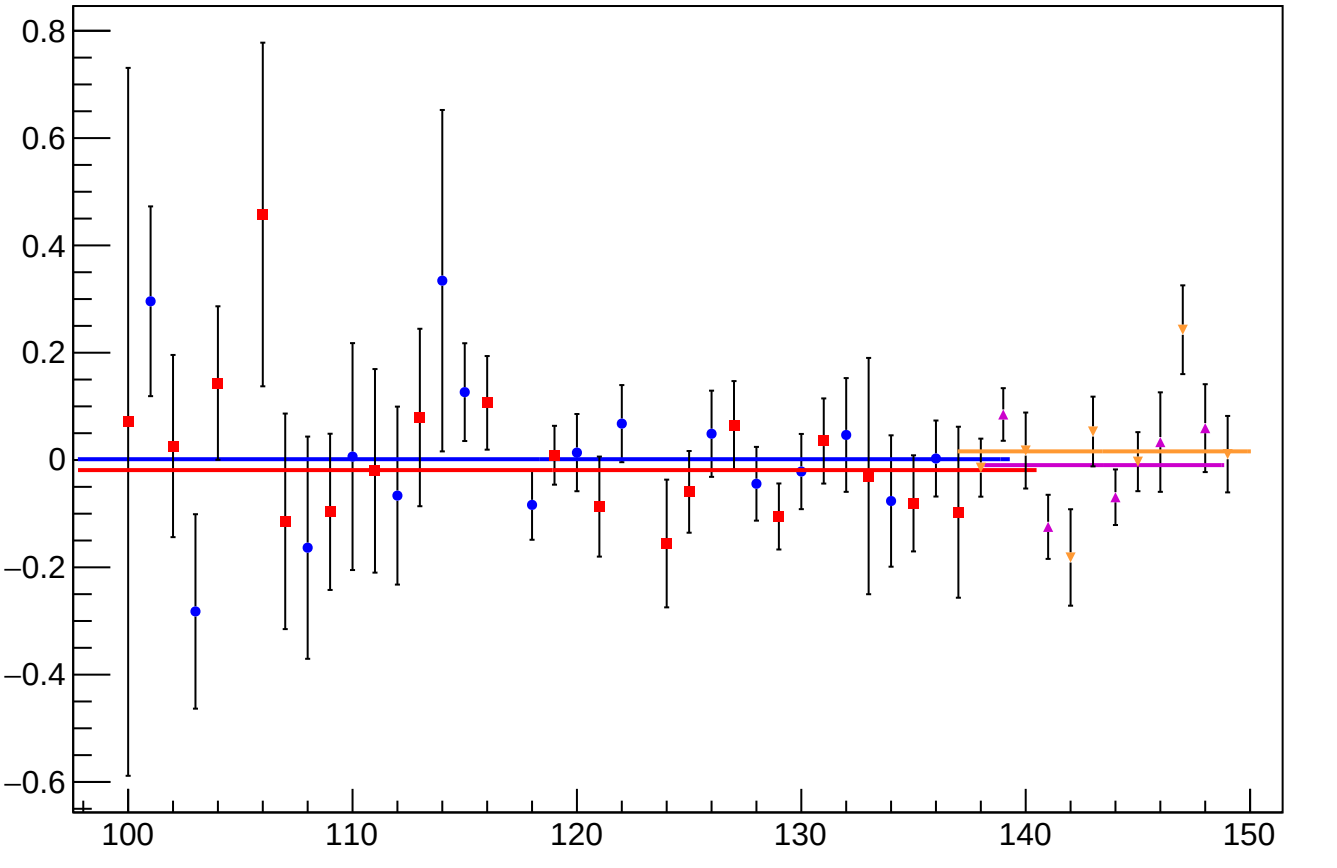
Left: 0.000+/-0.000 χ^2/NDF: 1699403.8/11

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:4800827.0/25

All: 0.000+/-0.000 χ^2/NDF: 10083657.3/46



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.025 χ^2/NDF:13.1/6

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: 23.3/11

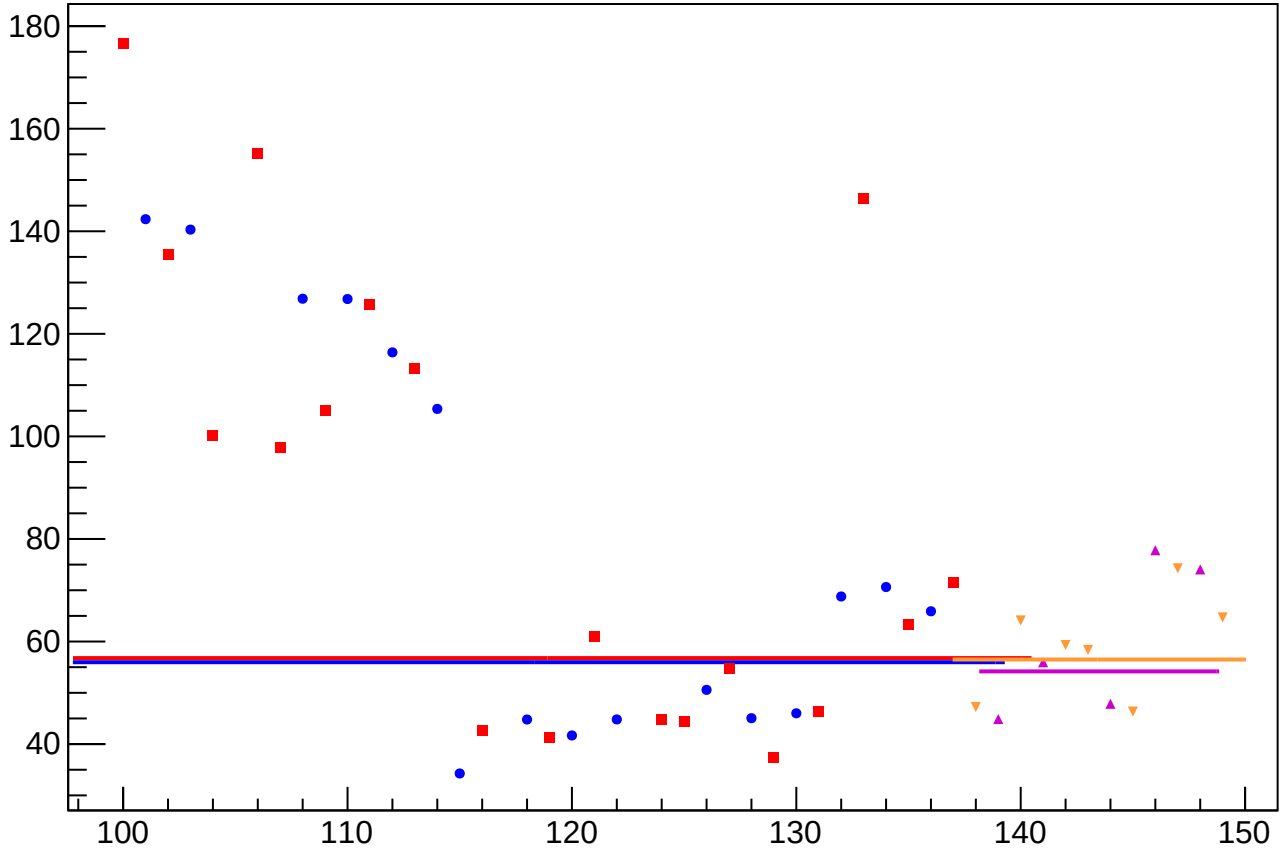
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.017 χ^2/NDF:27.2/25

All: -0.003+/-0.012 χ^2/NDF: 50.1/46

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 56.494+/-0.018 χ^2/NDF:272505.0/6

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

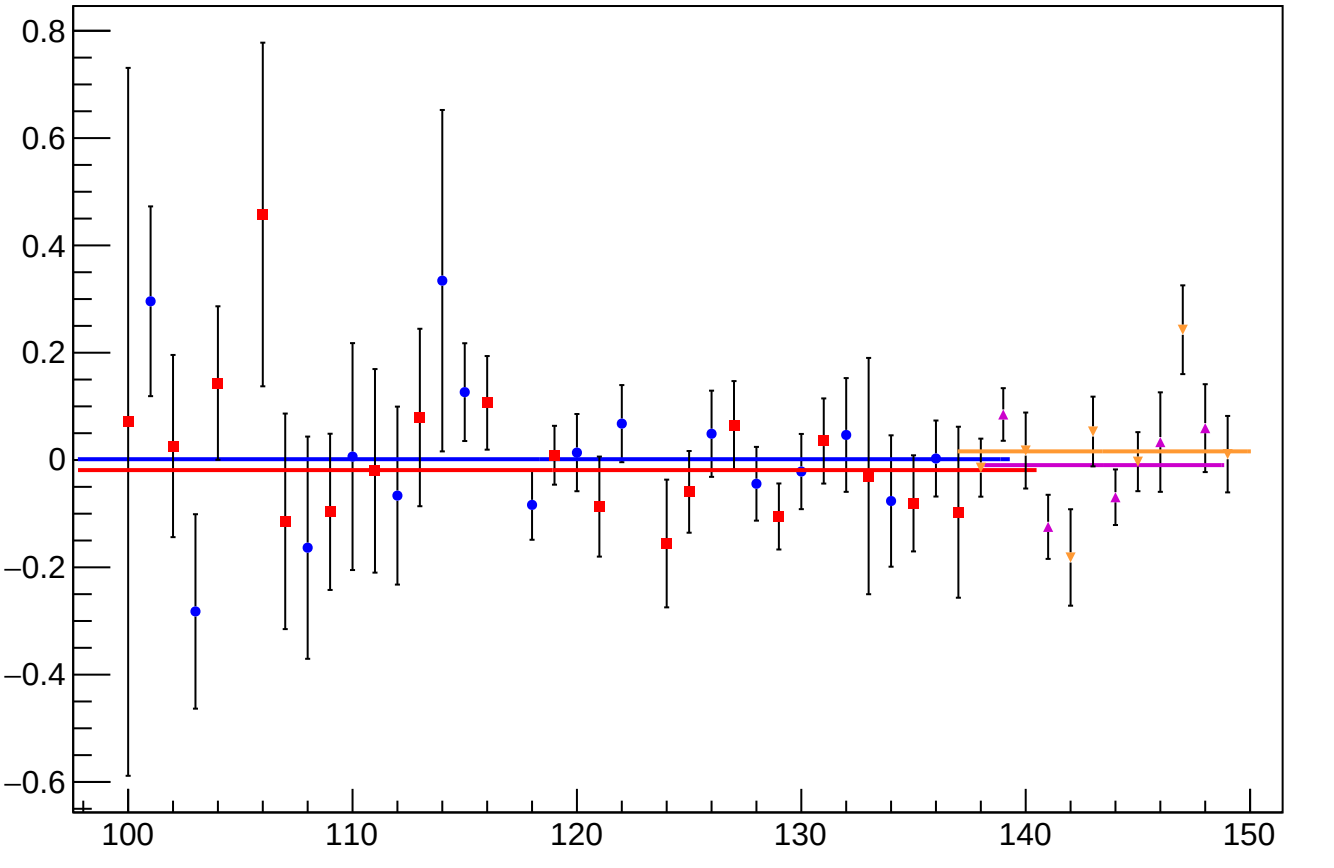
Left: 55.431+/-0.013 χ^2/NDF: 631373.7/11

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

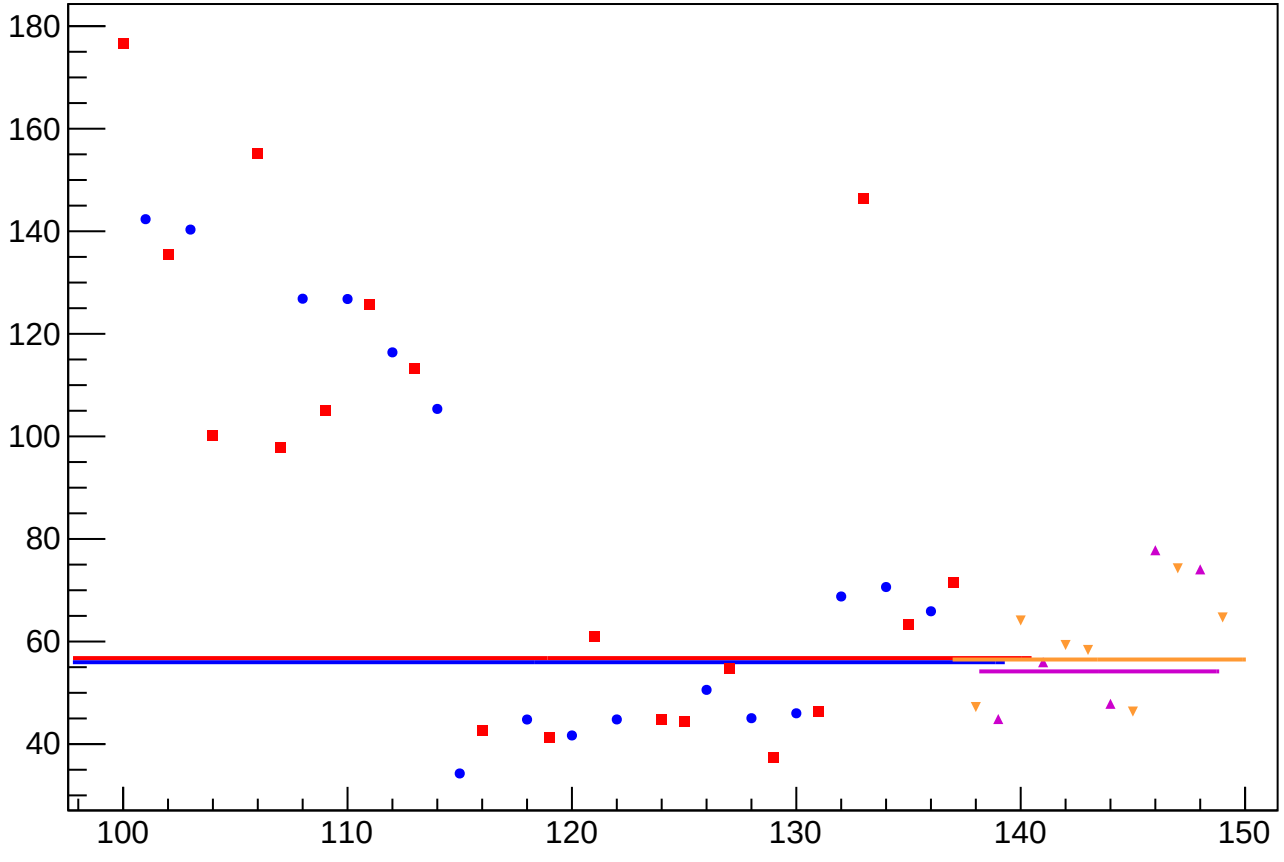
In: 55.211+/-0.013 χ^2/NDF:2535886.4/20

Out: 56.641+/-0.012 χ^2/NDF:2825857.4/25

All: 55.951+/-0.009 χ^2/NDF: 5368430.0/46


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.016+/-0.025 χ²/NDF:13.1/6
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.009+/-0.027 χ²/NDF:9.7/4
Left: 0.004+/-0.019 χ²/NDF: 23.3/11
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.003+/-0.018 χ²/NDF:22.8/20
Out: -0.003+/-0.017 χ²/NDF:27.2/25
All: -0.003+/-0.012 χ²/NDF: 50.1/46

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: 56.494+/-0.018 χ^2/NDF:272505.0/6

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.176+/-0.019 χ^2/NDF:351106.0/4

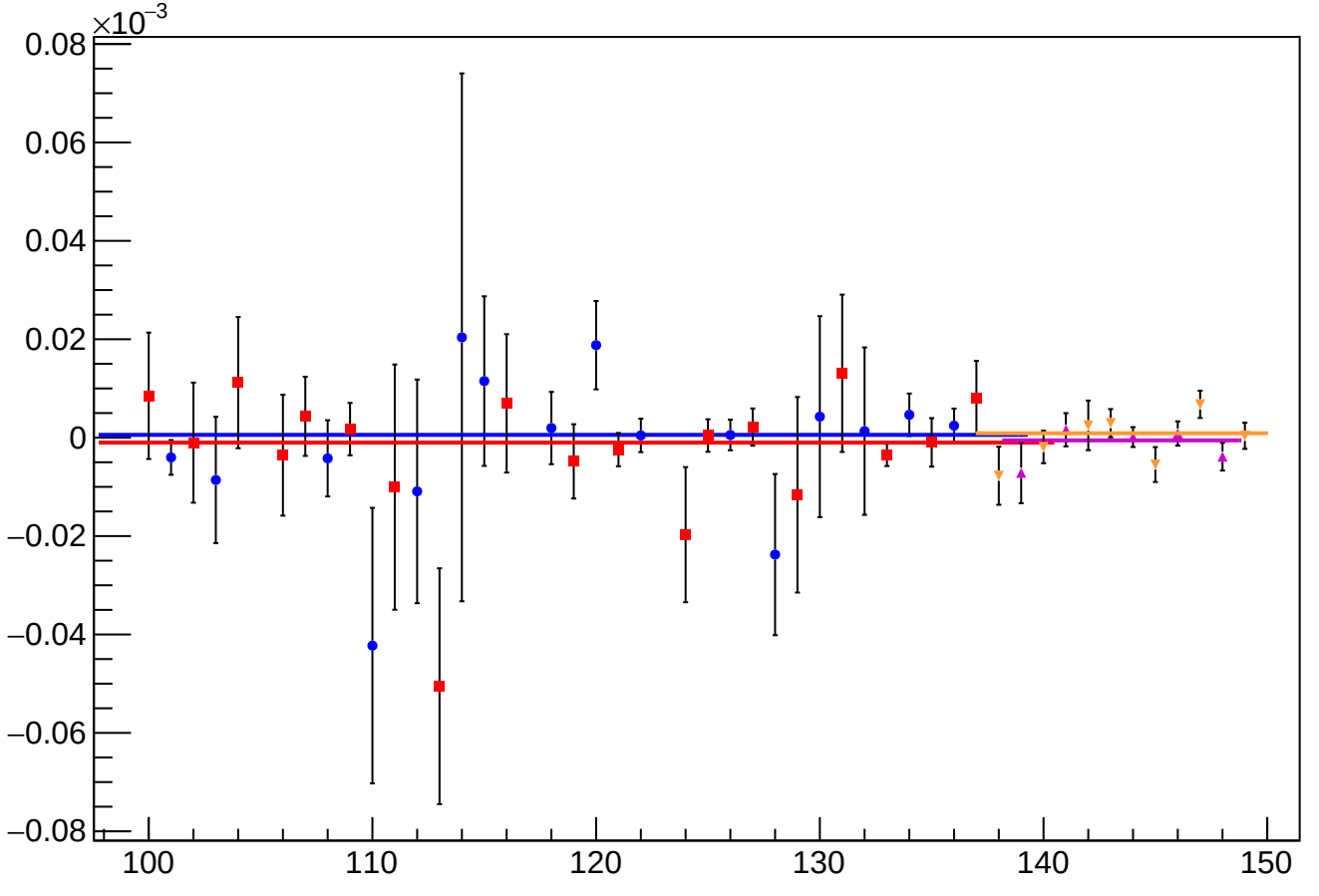
Left: 55.431+/-0.013 χ^2/NDF: 631373.7/11

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.211+/-0.013 χ^2/NDF:2535886.4/20

Out: 56.641+/-0.012 χ^2/NDF:2825857.4/25

All: 55.951+/-0.009 χ^2/NDF: 5368430.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/6

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: 15.2/11

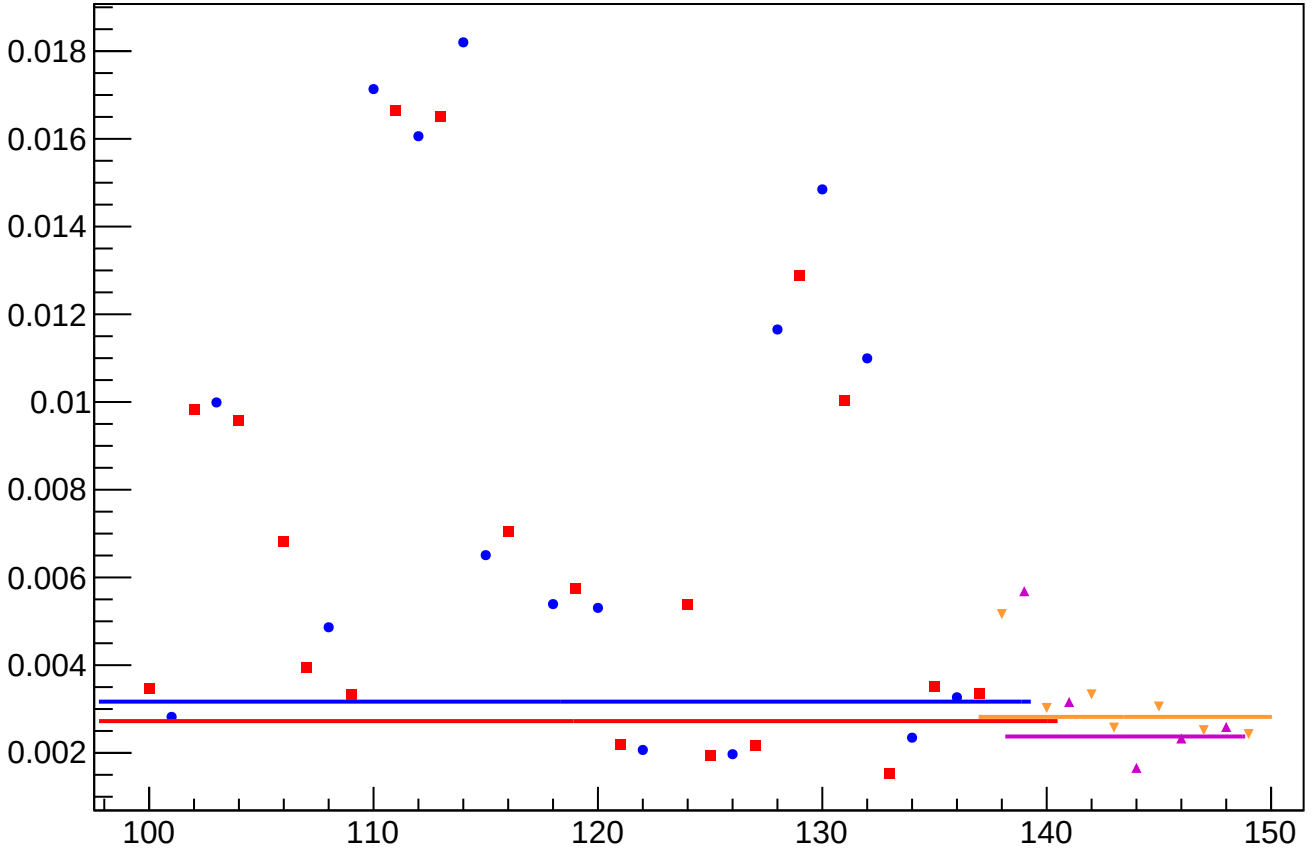
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.0/20

Out: -0.000+/-0.000 χ^2/NDF:26.2/25

All: -0.000+/-0.000 χ^2/NDF: 43.2/46

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:435519.2/6

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:947149.5/4

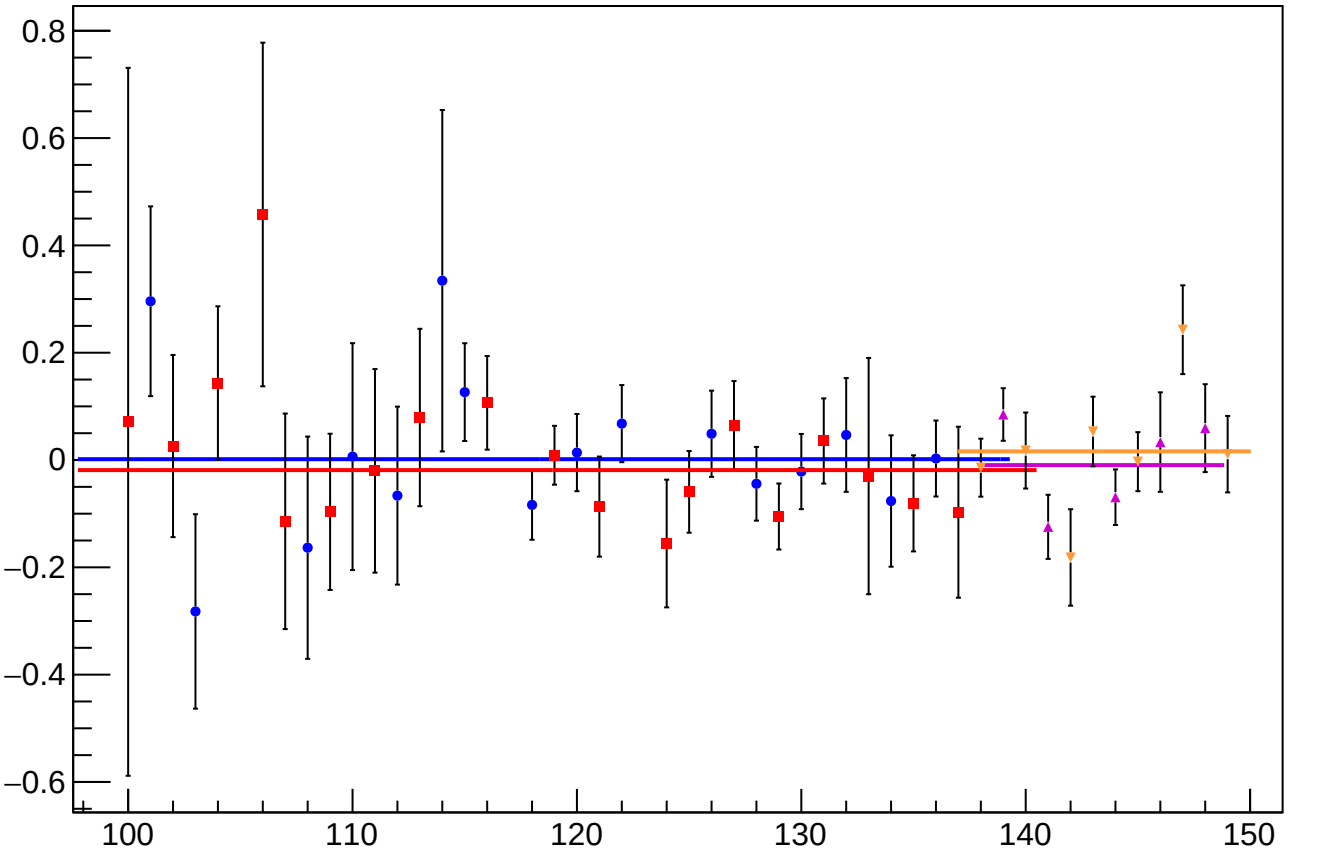
Left: 0.003+/-0.000 χ^2/NDF: 1510852.7/11

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:5594508.7/25

All: 0.003+/-0.000 χ^2/NDF: 11439422.3/46



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.025 χ^2/NDF:13.1/6

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: 23.3/11

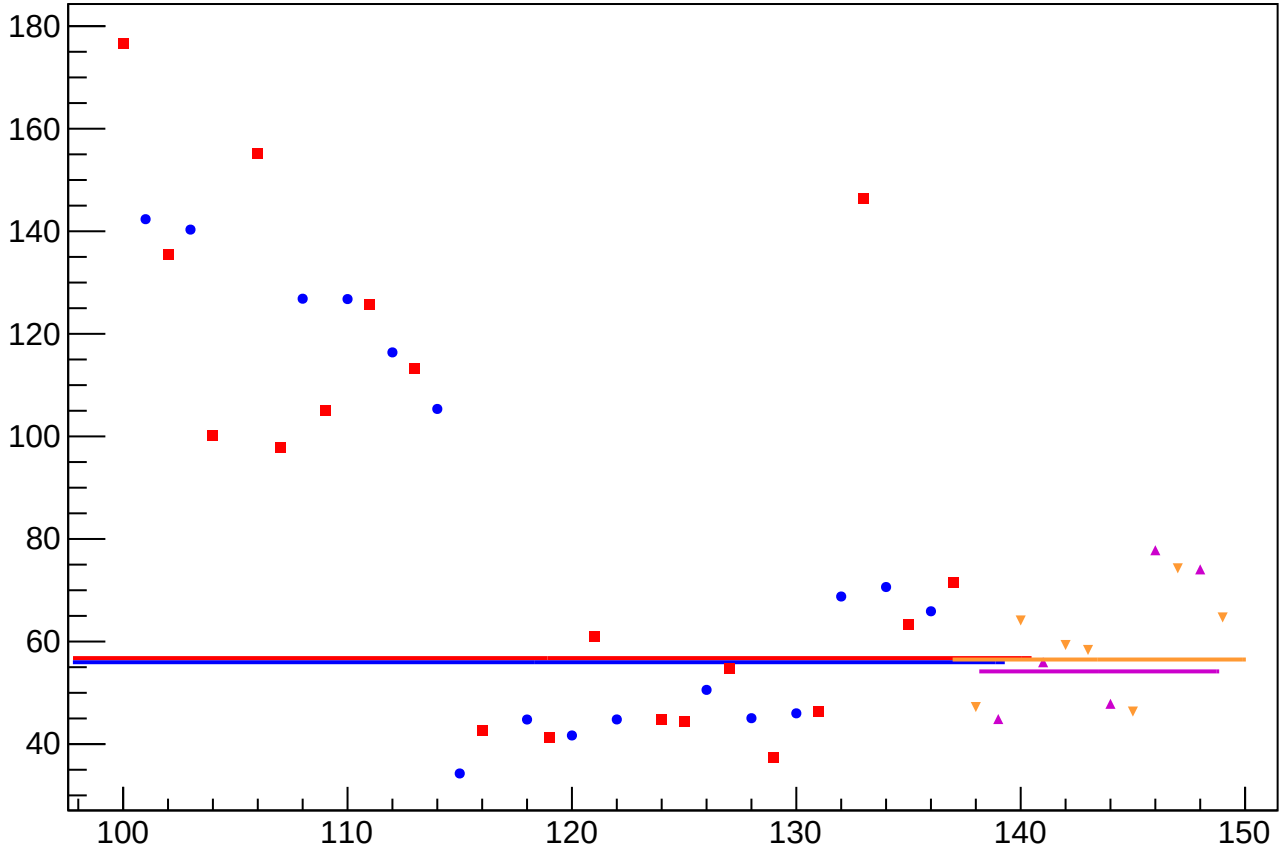
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.017 χ^2/NDF:27.2/25

All: -0.003+/-0.012 χ^2/NDF: 50.1/46

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: 56.494+/-0.018 χ^2/NDF:272498.9/6

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: 55.432+/-0.013 χ^2/NDF: 631364.8/11

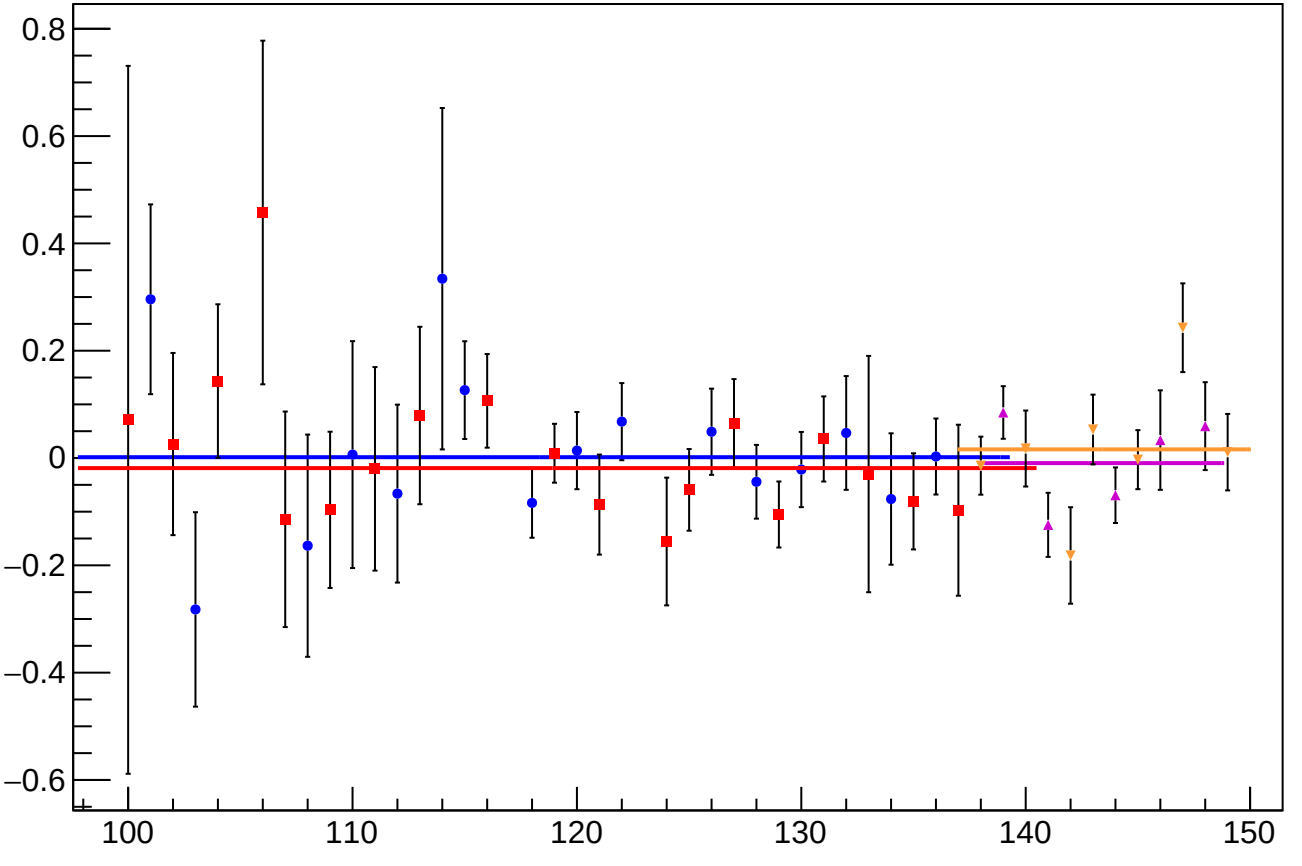
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.211+/-0.013 χ^2/NDF:2535806.2/20

Out: 56.642+/-0.012 χ^2/NDF:2825795.0/25

All: 55.951+/-0.009 χ^2/NDF: 5368286.5/46

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: 0.016+/-0.025 χ^2/NDF:13.1/6

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: 23.3/11

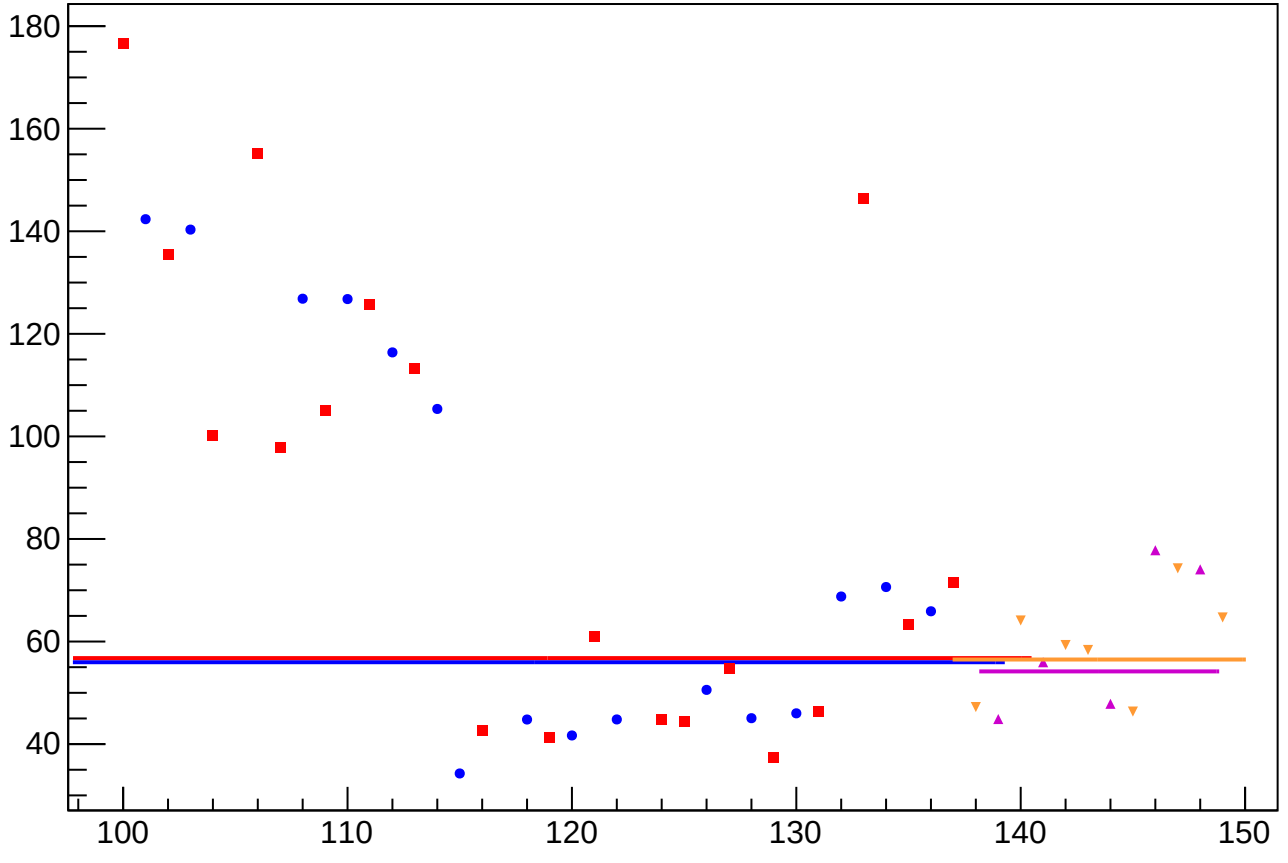
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.003+/-0.018 χ^2/NDF:22.8/20

Out: -0.003+/-0.017 χ^2/NDF:27.2/25

All: -0.003+/-0.012 χ^2/NDF: 50.1/46

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: 56.494+/-0.018 χ^2/NDF:272498.9/6

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.177+/-0.019 χ^2/NDF:351103.5/4

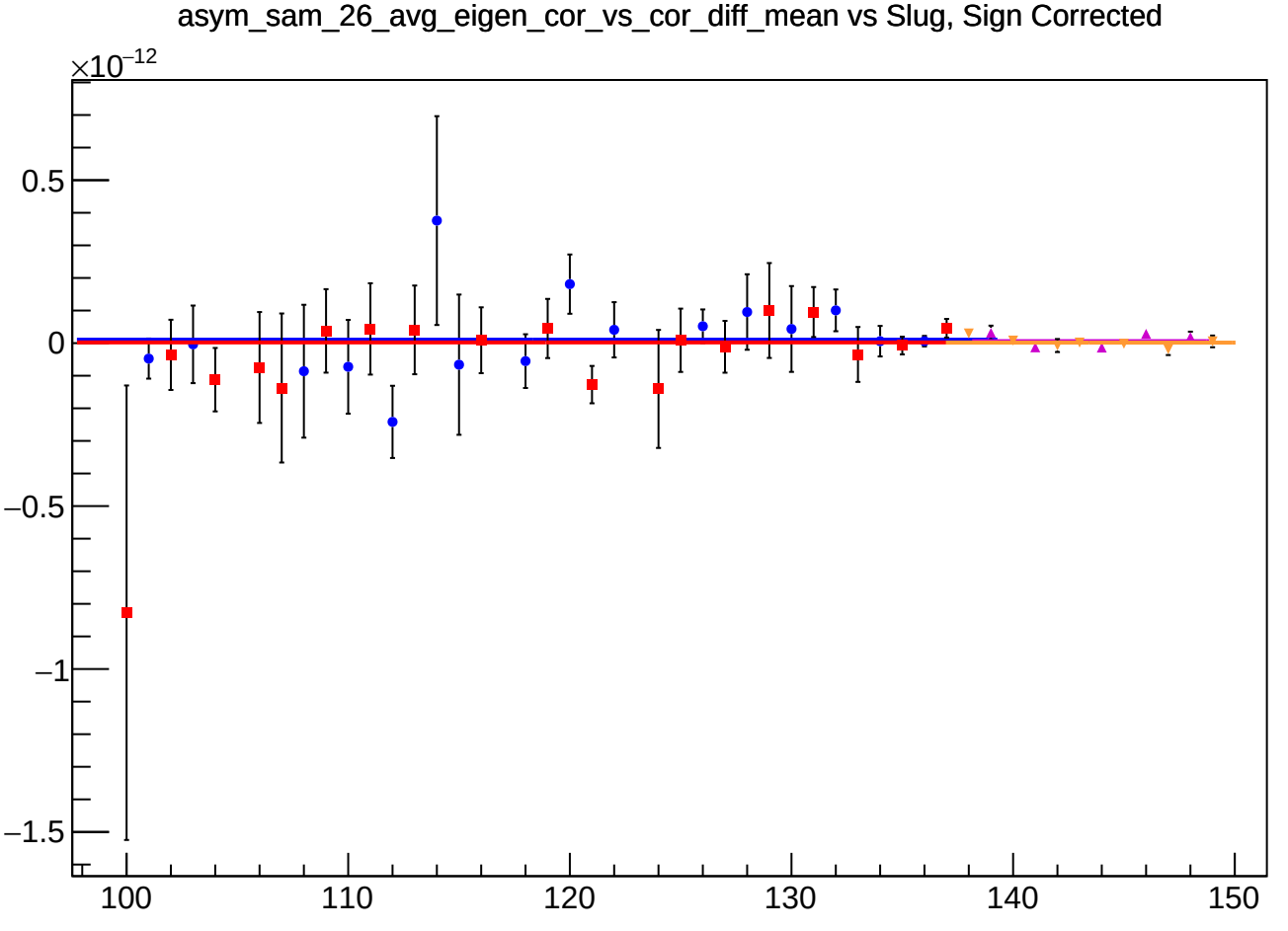
Left: 55.432+/-0.013 χ^2/NDF: 631364.8/11

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.211+/-0.013 χ^2/NDF:2535806.2/20

Out: 56.642+/-0.012 χ^2/NDF:2825795.0/25

All: 55.951+/-0.009 χ^2/NDF: 5368286.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/4

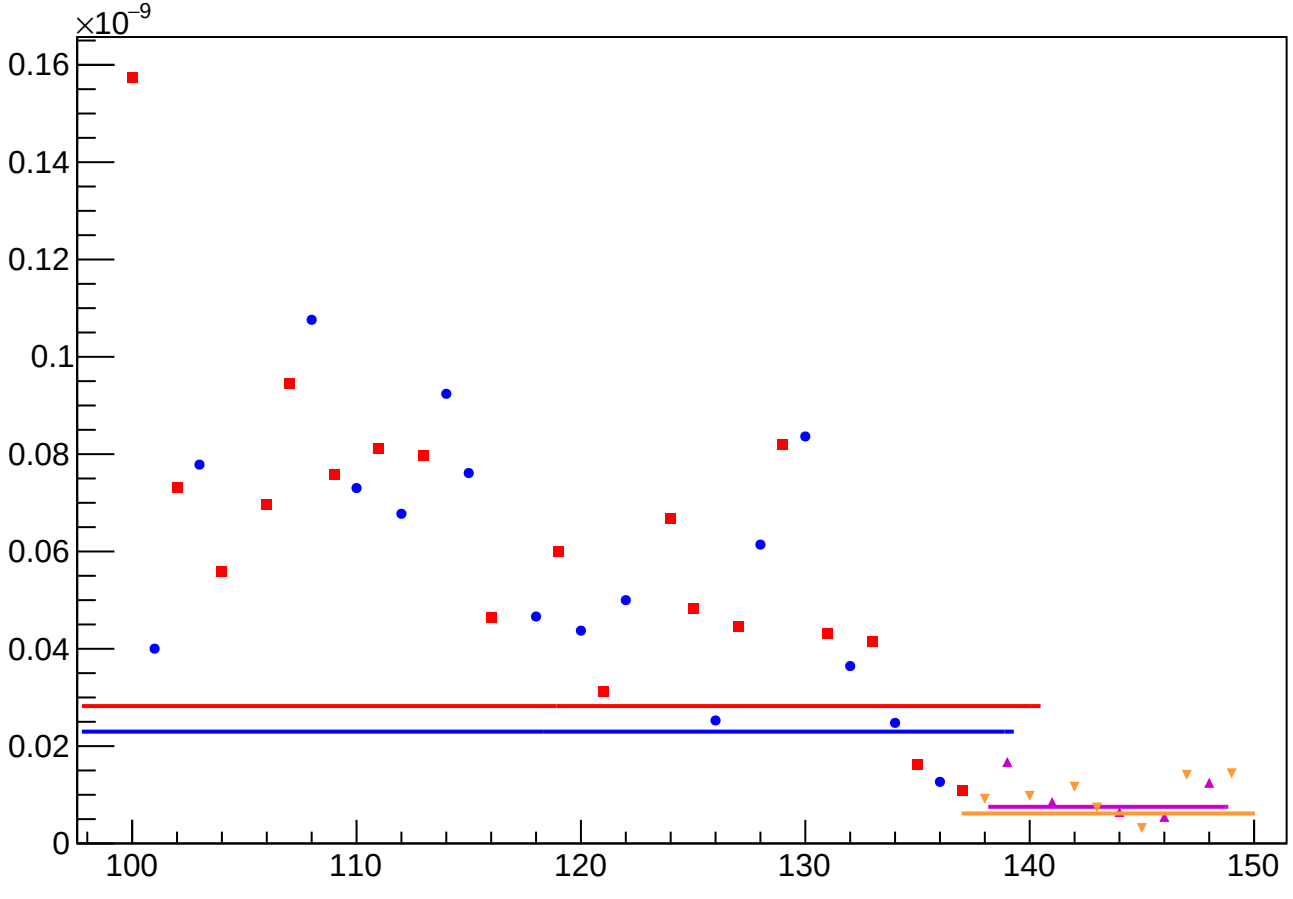
Left: 0.000+/-0.000 χ^2/NDF: 24.7/11

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:20.9/25

All: 0.000+/-0.000 χ^2/NDF: 55.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1960438.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:705764.4/4

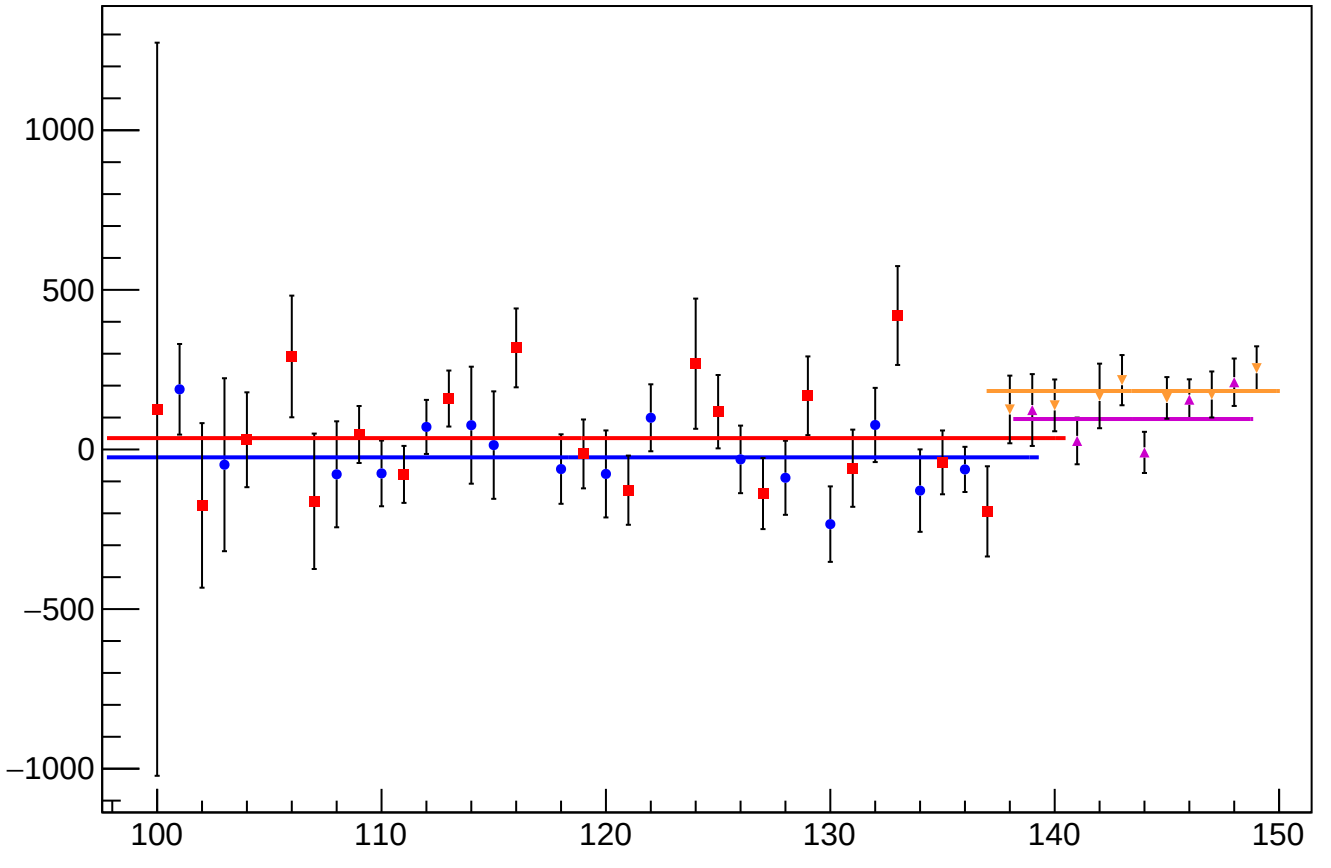
Left: 0.000+/-0.000 χ^2/NDF: 2763518.3/11

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:9600641.2/25

All: 0.000+/-0.000 χ^2/NDF: 16765166.1/46



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 183.161+/-29.606 χ^2/NDF:2.0/6

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 95.438+/-32.717 χ^2/NDF:6.9/4

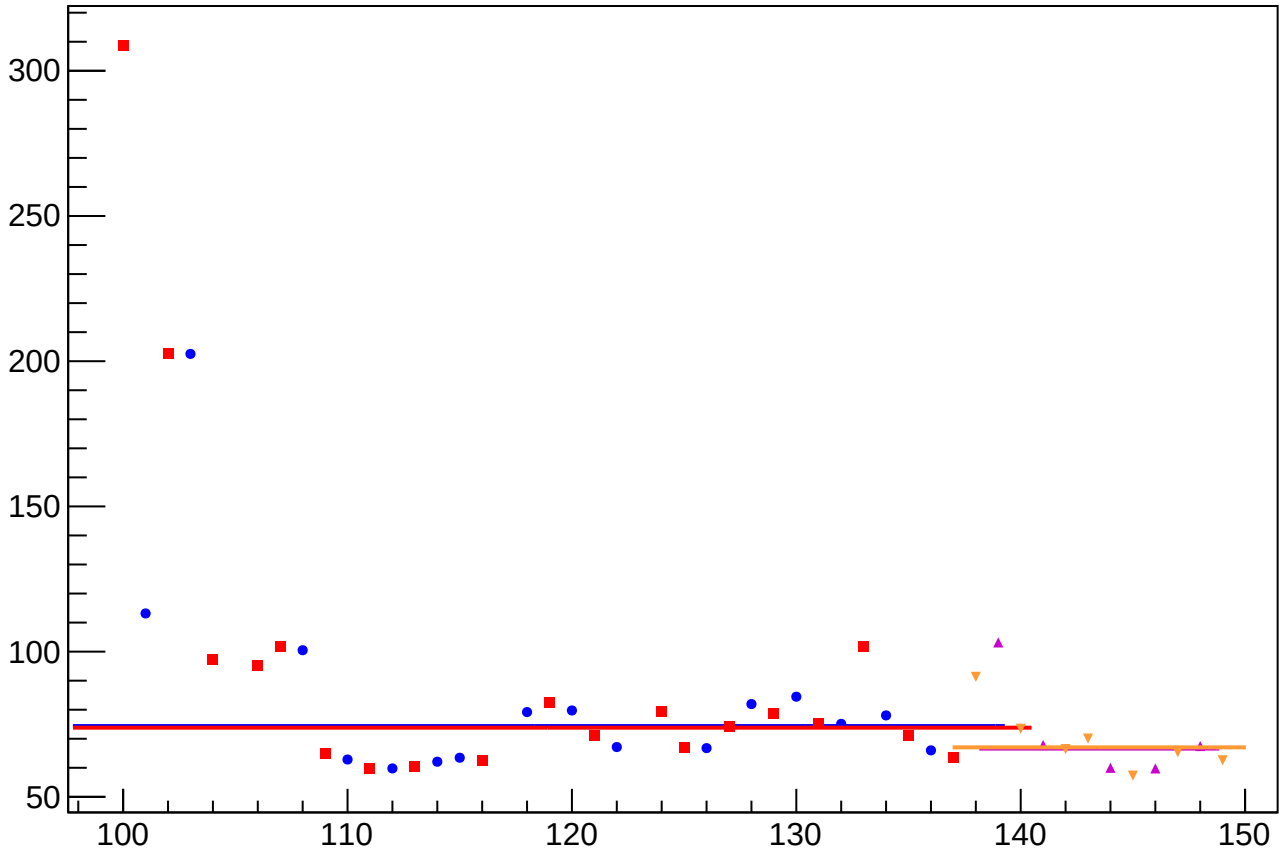
Left: 143.667+/-21.952 χ^2/NDF: 12.9/11

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 28.019+/-21.665 χ^2/NDF:25.5/20

Out: 106.444+/-20.515 χ^2/NDF:45.0/25

All: 69.367+/-14.896 χ^2/NDF: 77.4/46



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.040+/-0.021 χ^2/NDF:174747.1/6

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

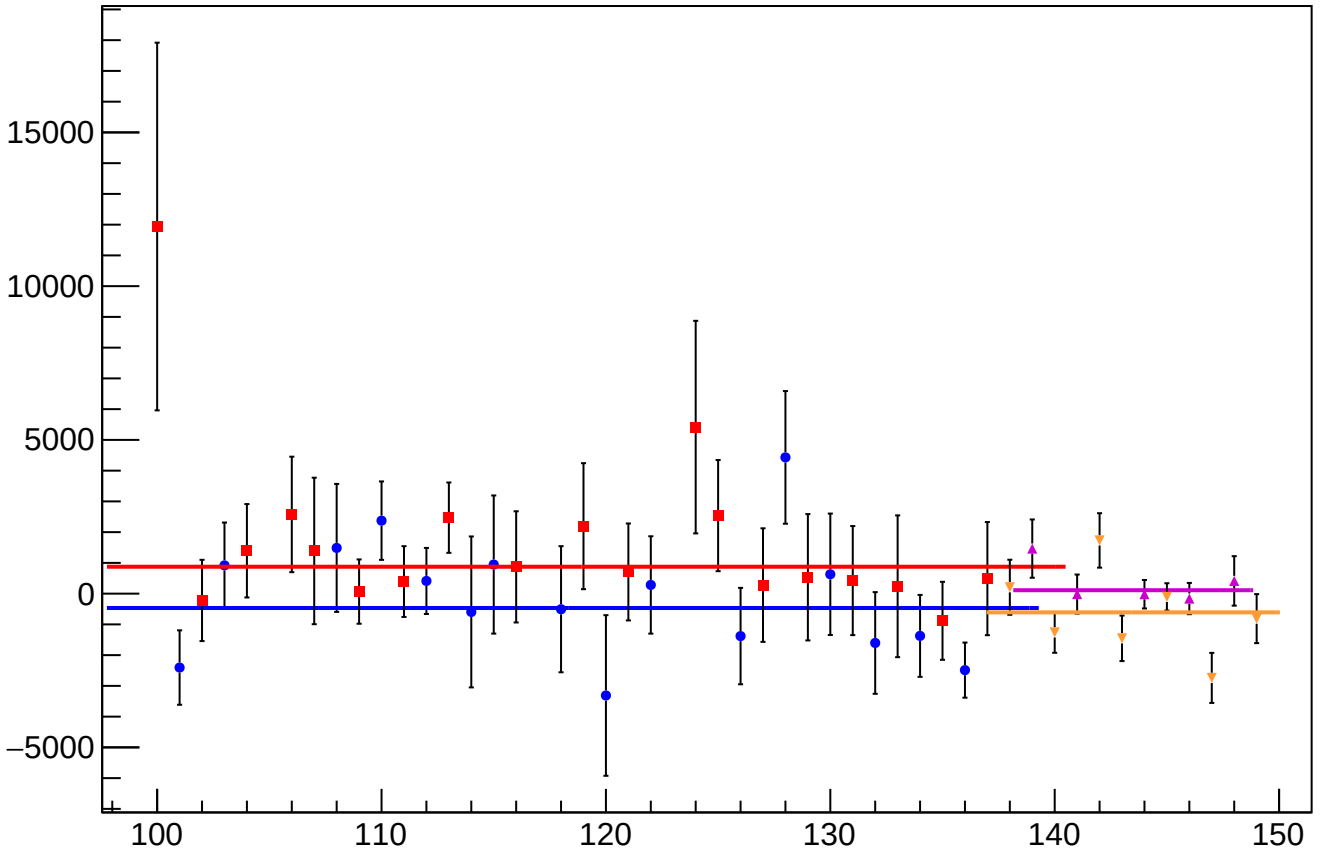
Left: 66.849+/-0.016 χ^2/NDF: 430936.9/11

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 70.970+/-0.015 χ^2/NDF:1146633.5/20

Out: 70.562+/-0.015 χ^2/NDF:1161145.1/25

All: 70.755+/-0.011 χ^2/NDF: 2308152.8/46



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -608.971+/-260.110 χ^2/NDF:18.3/6

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 111.539+/-270.448 χ^2/NDF:2.6/4

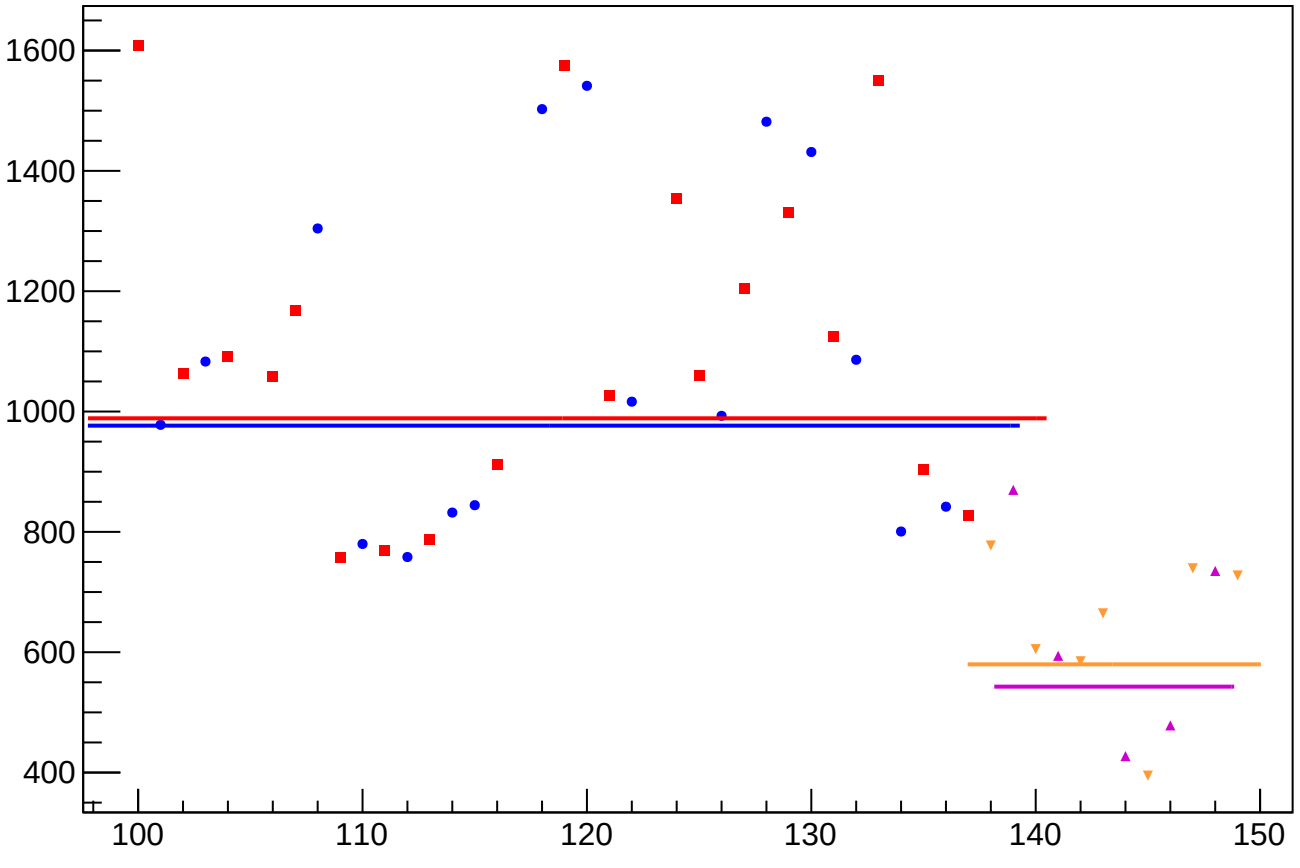
Left: -262.750+/-187.474 χ^2/NDF: 24.6/11

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -86.228+/-219.359 χ^2/NDF:27.8/20

Out: -121.989+/-213.213 χ^2/NDF:42.0/25

All: -104.617+/-152.891 χ^2/NDF: 69.9/46



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 579.865+/-0.184 χ^2/NDF:619321.1/6

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 542.785+/-0.191 χ^2/NDF:522049.3/4

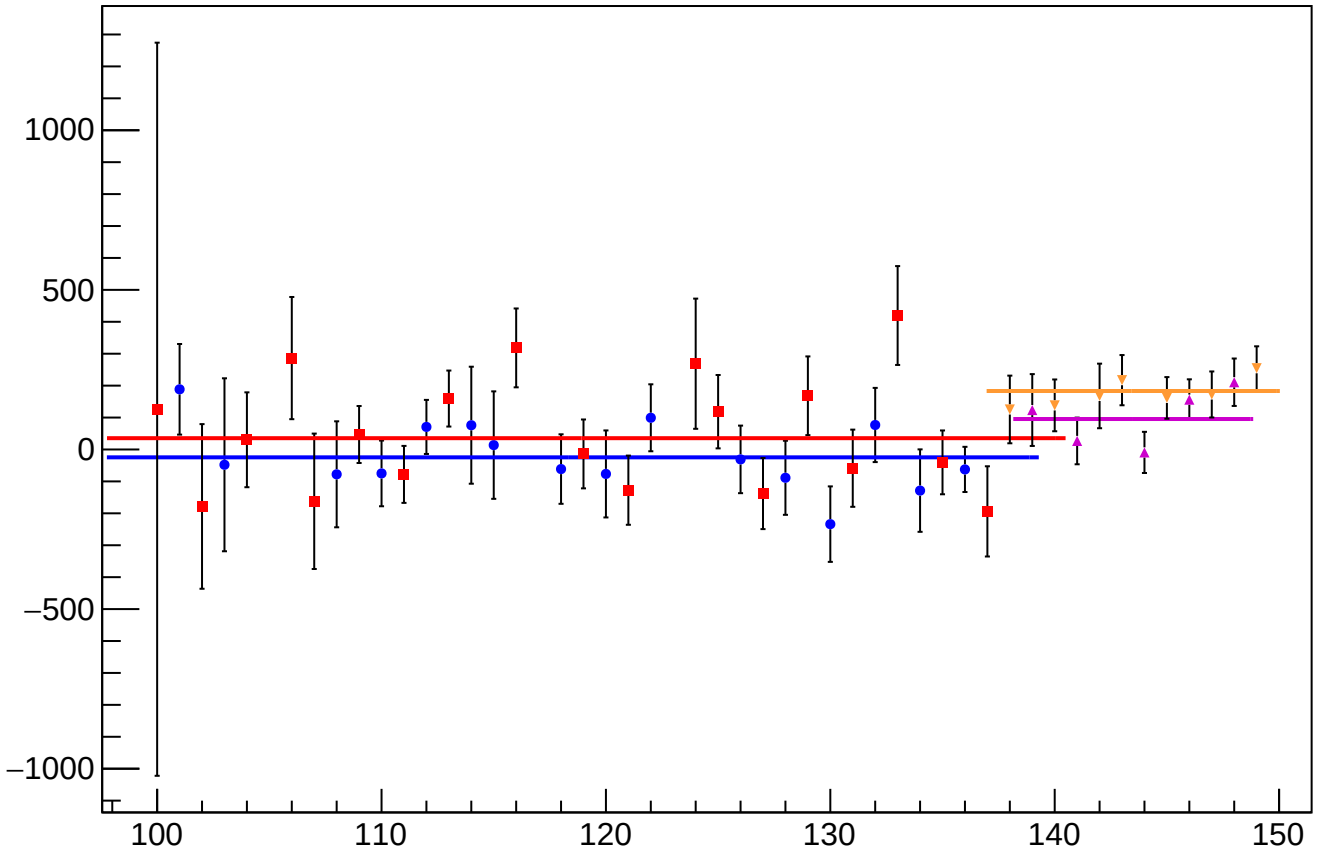
Left: 562.047+/-0.133 χ^2/NDF: 1160901.1/11

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 691.196+/-0.155 χ^2/NDF:3019082.6/20

Out: 714.018+/-0.151 χ^2/NDF:2956580.6/25

All: 702.931+/-0.108 χ^2/NDF: 5986794.6/46



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 183.167+/-29.606 χ^2/NDF:2.0/6

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 95.435+/-32.717 χ^2/NDF:6.9/4

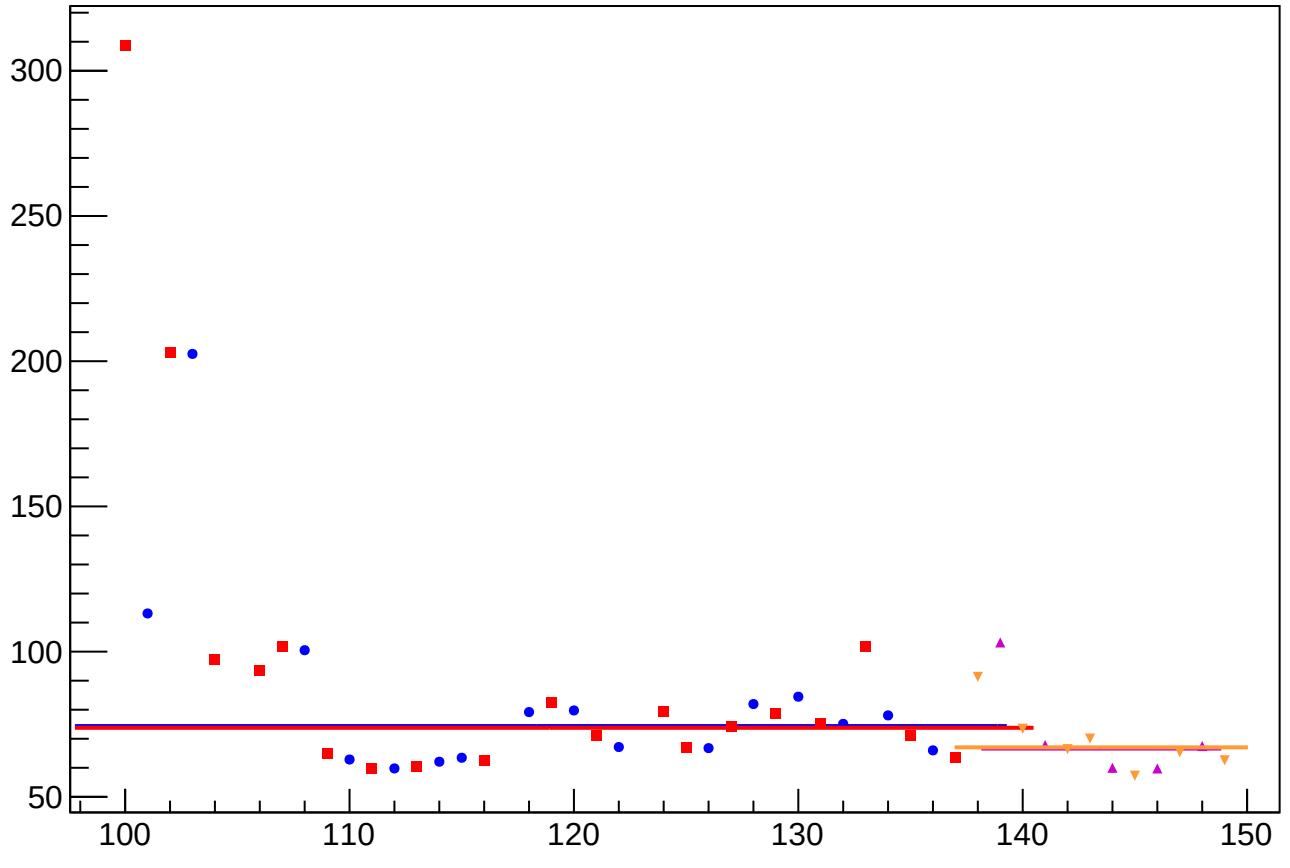
Left: 143.669+/-21.952 χ^2/NDF: 12.9/11

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 28.013+/-21.665 χ^2/NDF:25.5/20

Out: 106.351+/-20.517 χ^2/NDF:45.0/25

All: 69.314+/-14.897 χ^2/NDF: 77.4/46



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.040+/-0.021 χ^2/NDF:174747.1/6

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

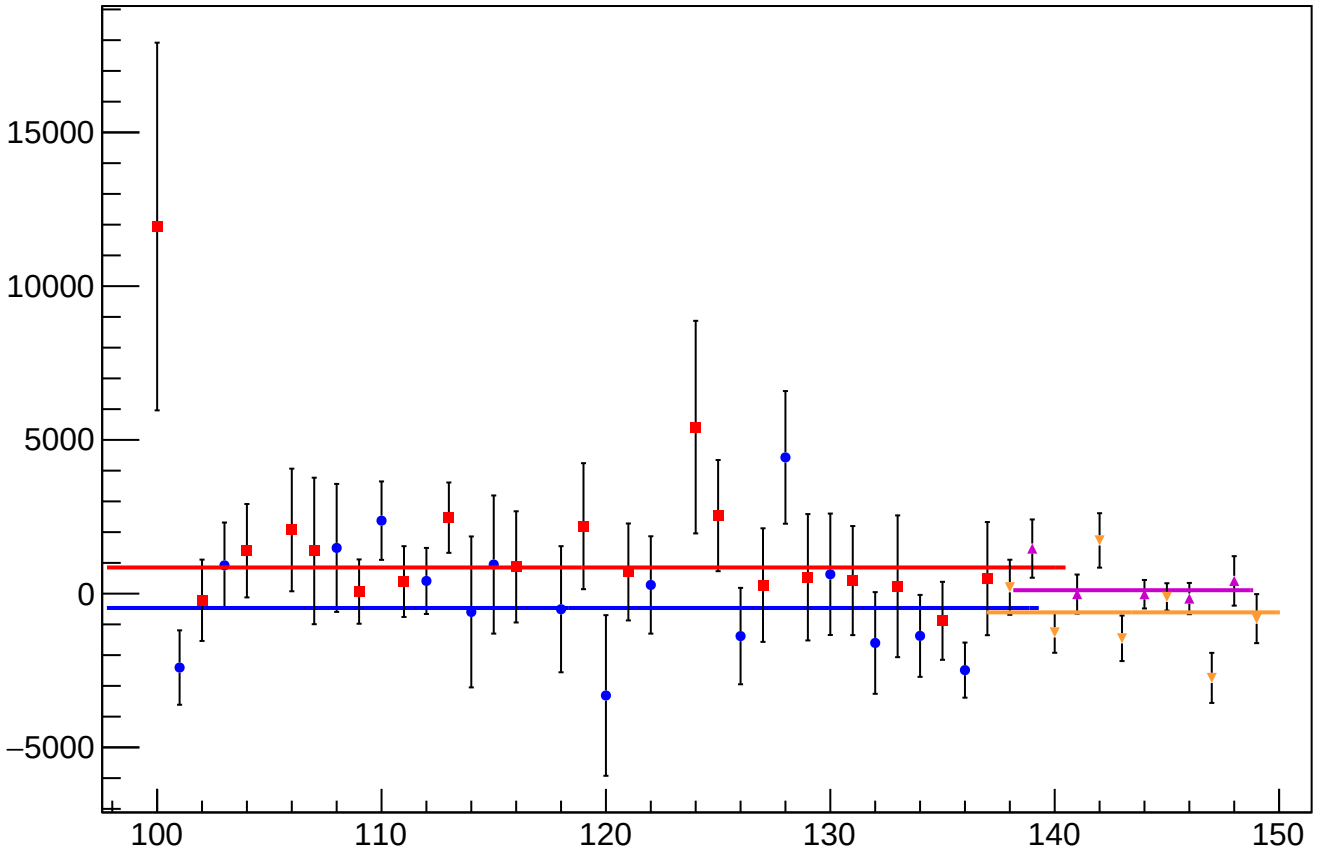
Left: 66.849+/-0.016 χ^2/NDF: 430936.9/11

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 70.970+/-0.015 χ^2/NDF:1146635.5/20

Out: 70.540+/-0.015 χ^2/NDF:1156684.0/25

All: 70.743+/-0.011 χ^2/NDF: 2303735.3/46



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -608.966+/-260.110 χ^2/NDF:18.3/6

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 111.542+/-270.448 χ^2/NDF:2.6/4

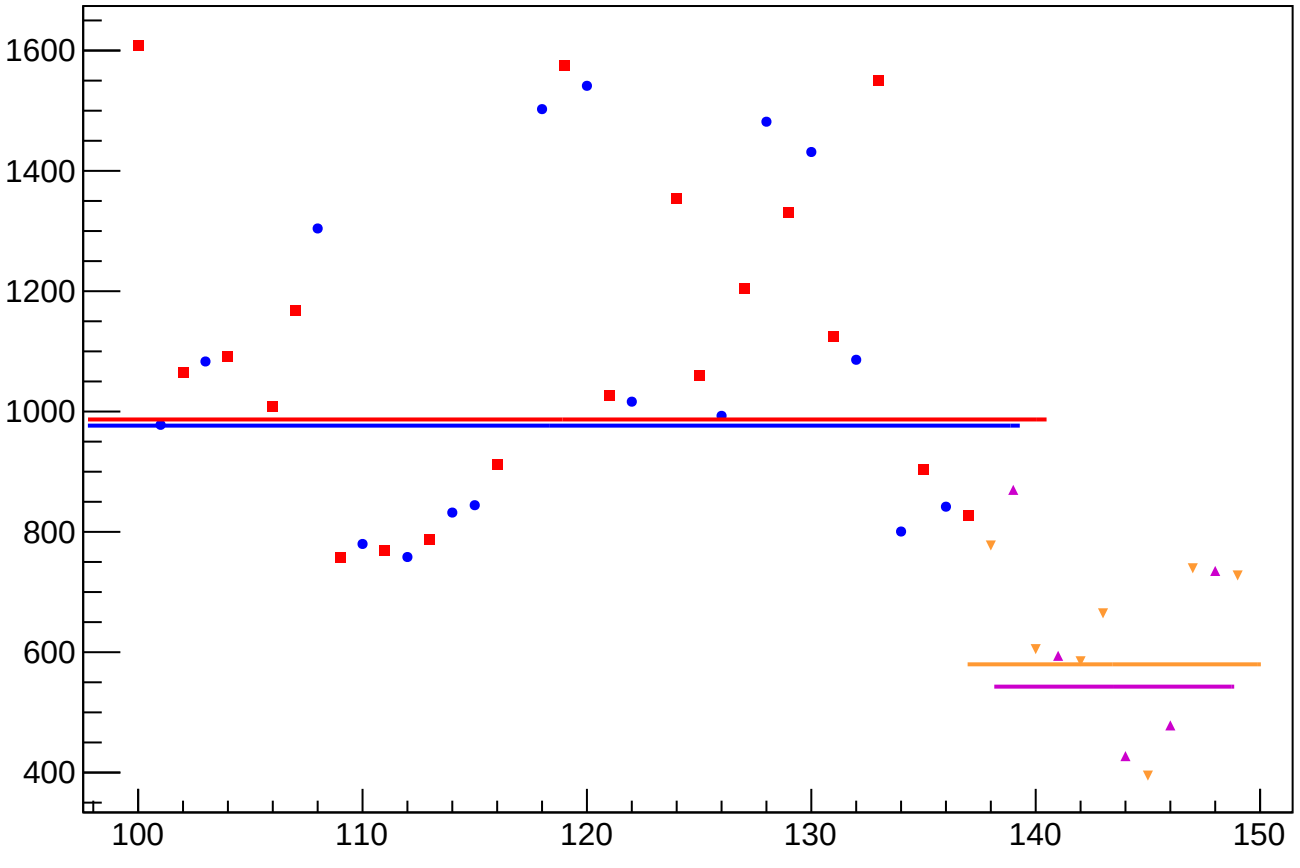
Left: -262.746+/-187.473 χ^2/NDF: 24.6/11

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -86.220+/-219.360 χ^2/NDF:27.8/20

Out: -131.527+/-213.373 χ^2/NDF:41.2/25

All: -109.500+/-152.950 χ^2/NDF: 69.0/46



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 579.865+/-0.184 χ^2/NDF:619320.0/6

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

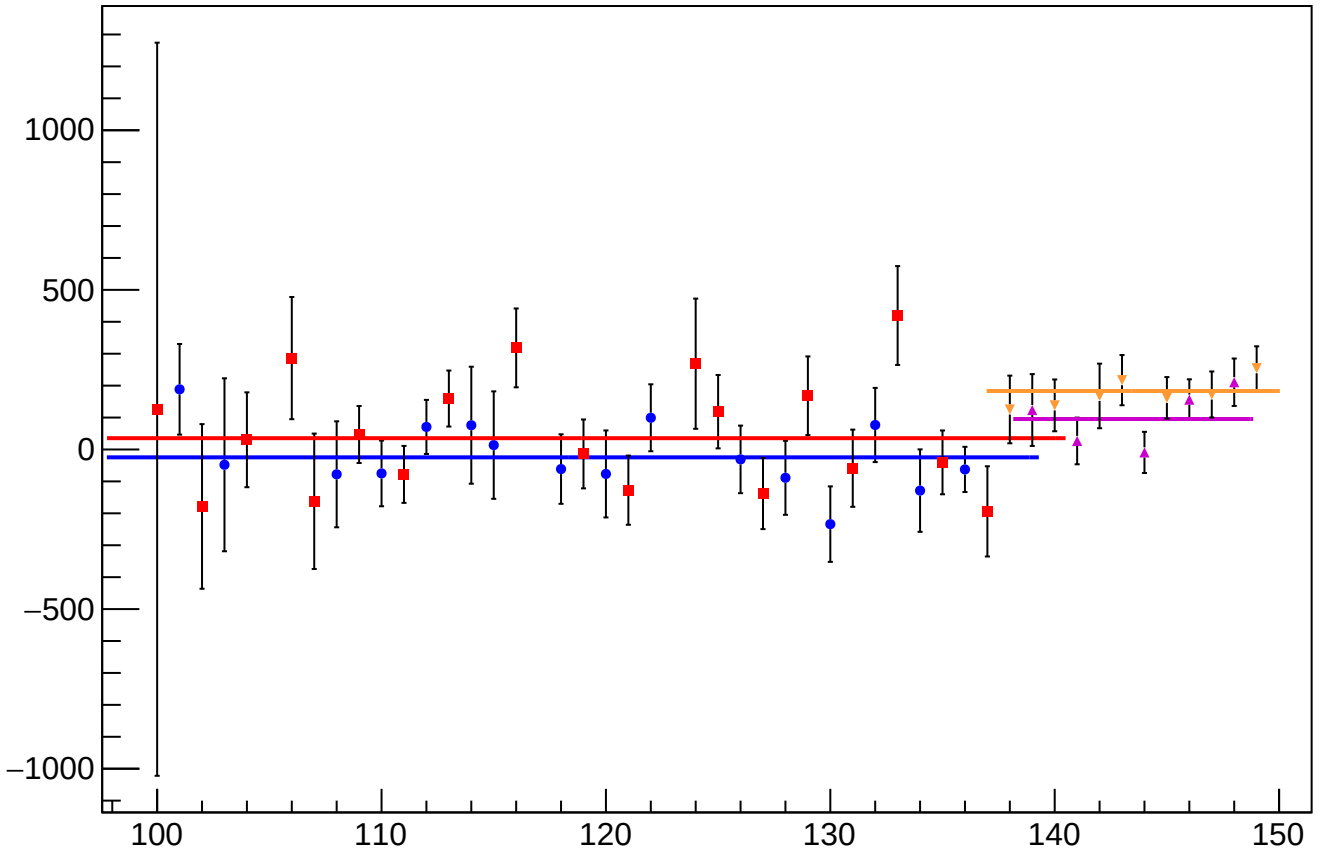
Left: 562.047+/-0.133 χ^2/NDF: 1160900.8/11

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 691.197+/-0.155 χ^2/NDF:3019139.1/20

Out: 712.971+/-0.151 χ^2/NDF:2933906.6/25

All: 702.385+/-0.108 χ^2/NDF: 5963171.1/46



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 183.167+/-29.606 χ^2/NDF:2.0/6

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 95.435+/-32.717 χ^2/NDF:6.9/4

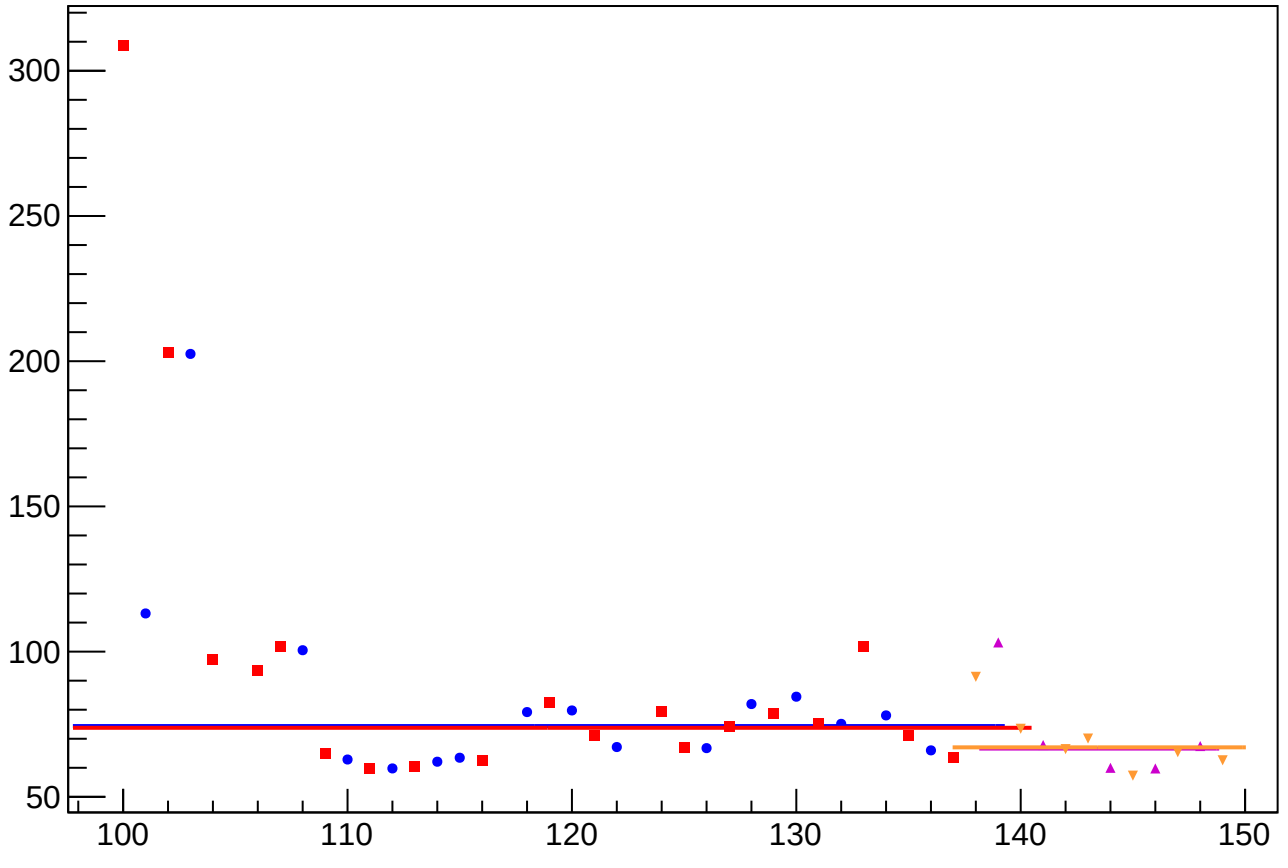
Left: 143.669+/-21.952 χ^2/NDF: 12.9/11

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 28.013+/-21.665 χ^2/NDF:25.5/20

Out: 106.351+/-20.517 χ^2/NDF:45.0/25

All: 69.314+/-14.897 χ^2/NDF: 77.4/46



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.040+/-0.021 χ^2/NDF:174747.1/6

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.617+/-0.023 χ^2/NDF:256006.5/4

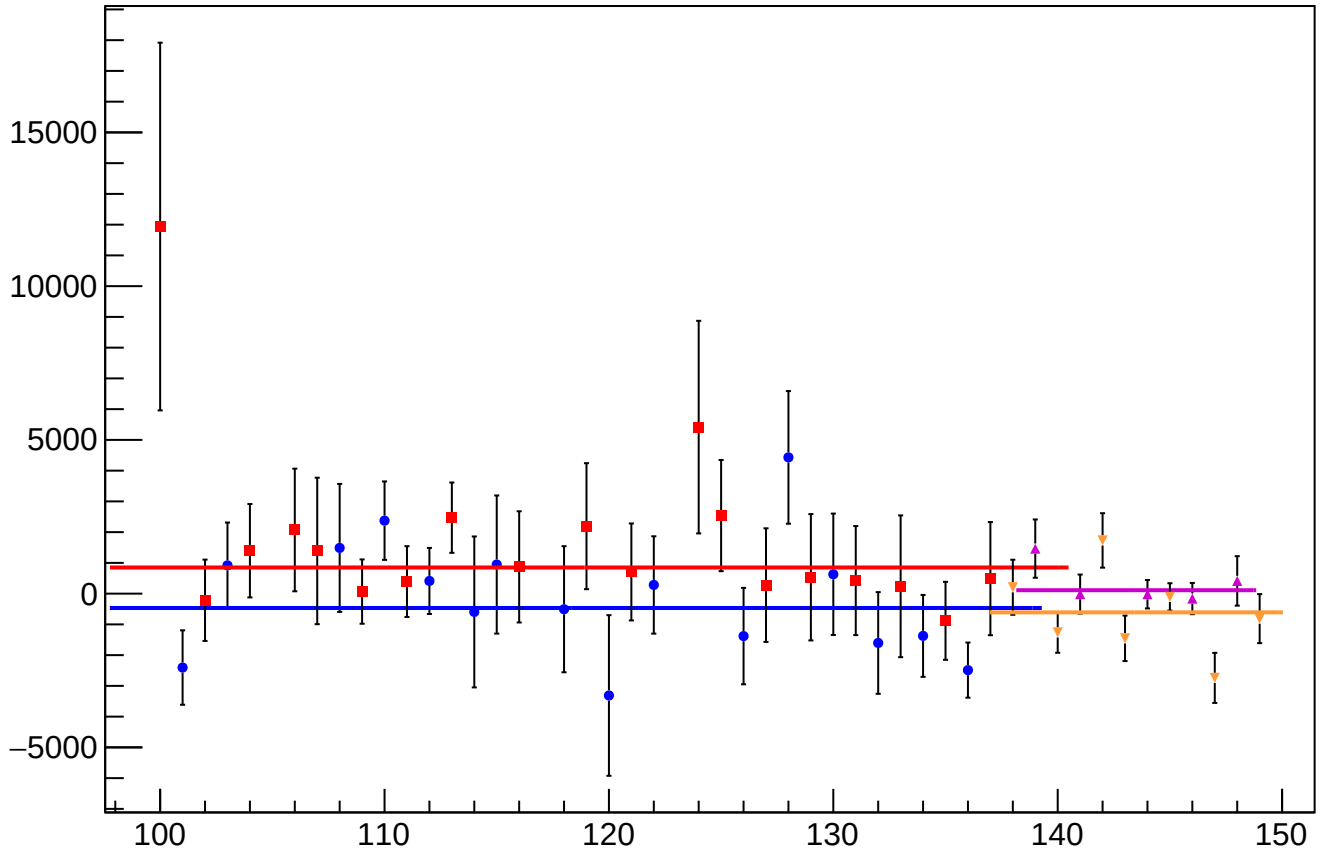
Left: 66.849+/-0.016 χ^2/NDF: 430936.9/11

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 70.970+/-0.015 χ^2/NDF:1146635.5/20

Out: 70.540+/-0.015 χ^2/NDF:1156684.0/25

All: 70.743+/-0.011 χ^2/NDF: 2303735.3/46



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -608.966+/-260.110 χ^2/NDF:18.3/6

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: -262.746+/-187.473 χ^2/NDF: 24.6/11

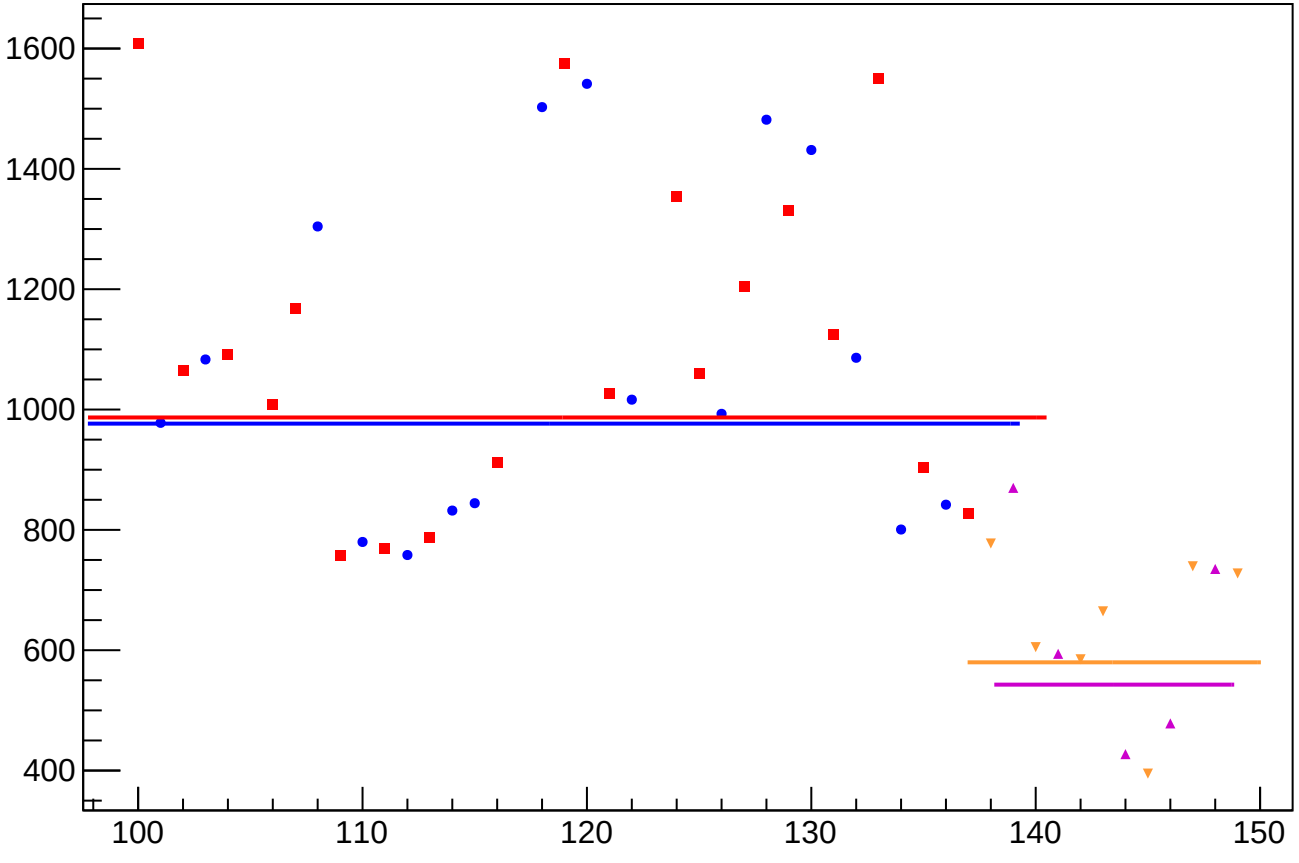
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -86.220+/-219.360 χ^2/NDF:27.8/20

Out: -131.527+/-213.373 χ^2/NDF:41.2/25

All: -109.500+/-152.950 χ^2/NDF: 69.0/46

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 579.865+/-0.184 χ^2/NDF:619320.0/6

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 542.785+/-0.191 χ^2/NDF:522050.3/4

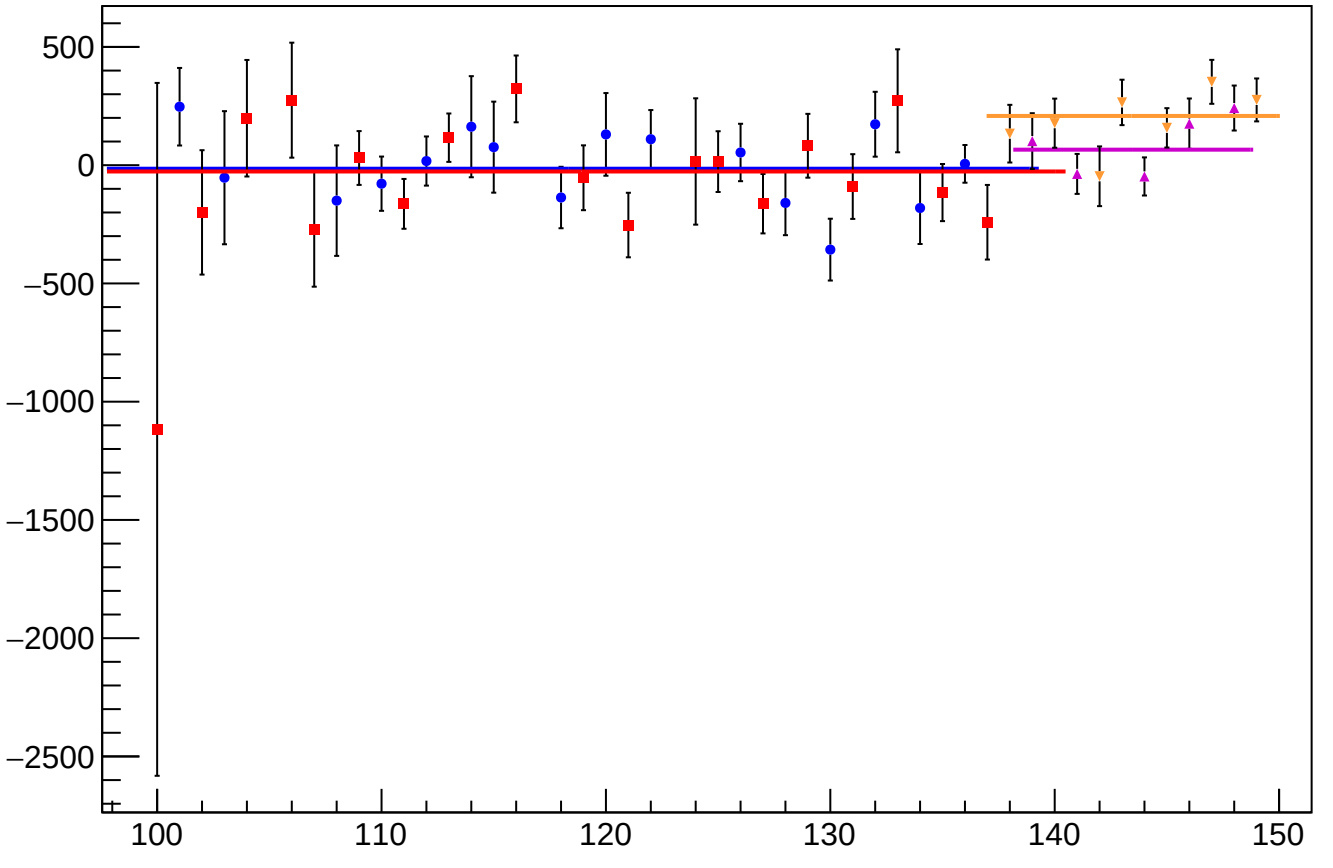
Left: 562.047+/-0.133 χ^2/NDF: 1160900.8/11

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 691.197+/-0.155 χ^2/NDF:3019139.1/20

Out: 712.971+/-0.151 χ^2/NDF:2933906.6/25

All: 702.385+/-0.108 χ^2/NDF: 5963171.1/46



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 208.164+/-37.451 χ^2/NDF:8.2/6

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 65.608+/-42.077 χ^2/NDF:8.0/4

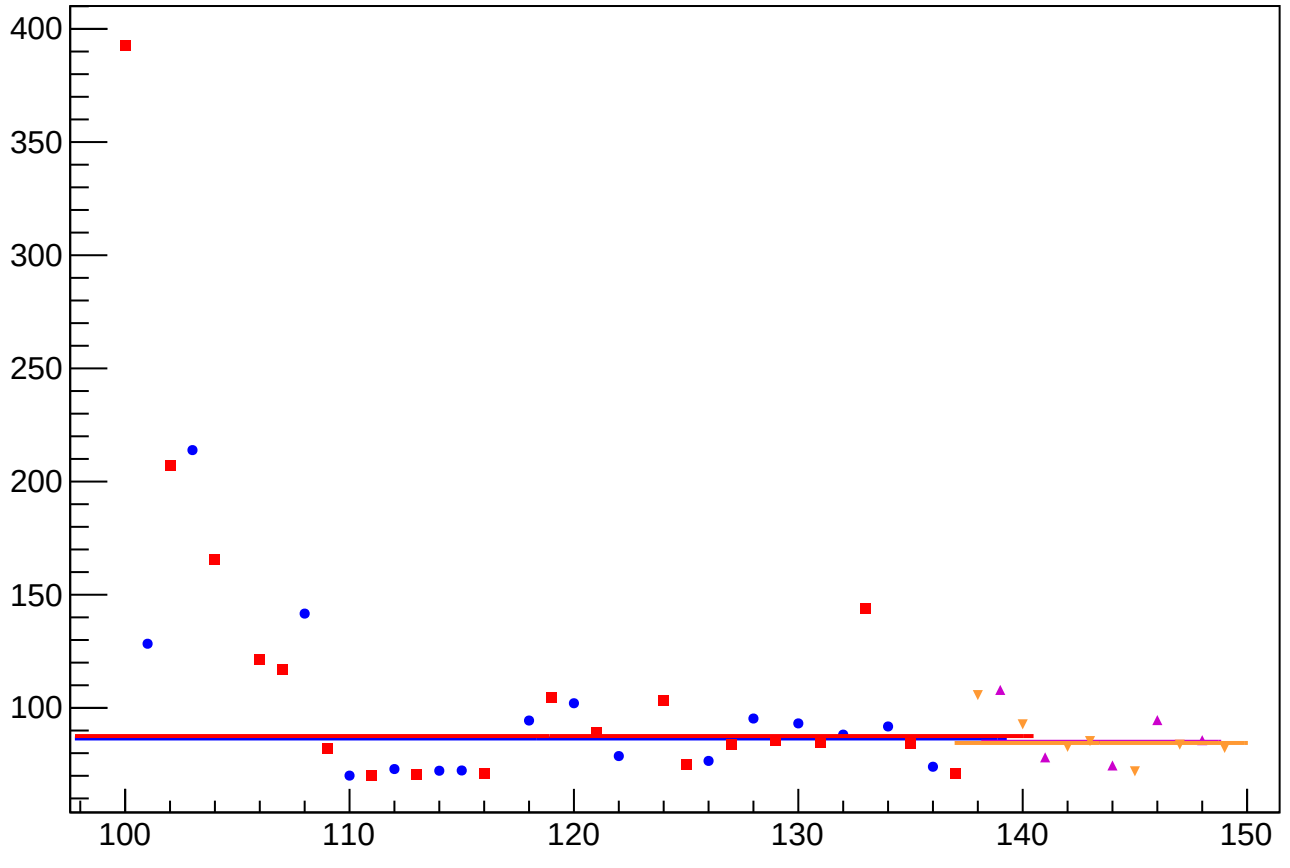
Left: 145.151+/-27.975 χ^2/NDF: 22.7/11

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 16.598+/-26.333 χ^2/NDF:28.5/20

Out: 79.689+/-25.203 χ^2/NDF:53.4/25

All: 49.526+/-18.207 χ^2/NDF: 84.9/46



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 84.510+/-0.026 χ^2/NDF:119886.5/6

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 85.033+/-0.030 χ^2/NDF:138869.6/4

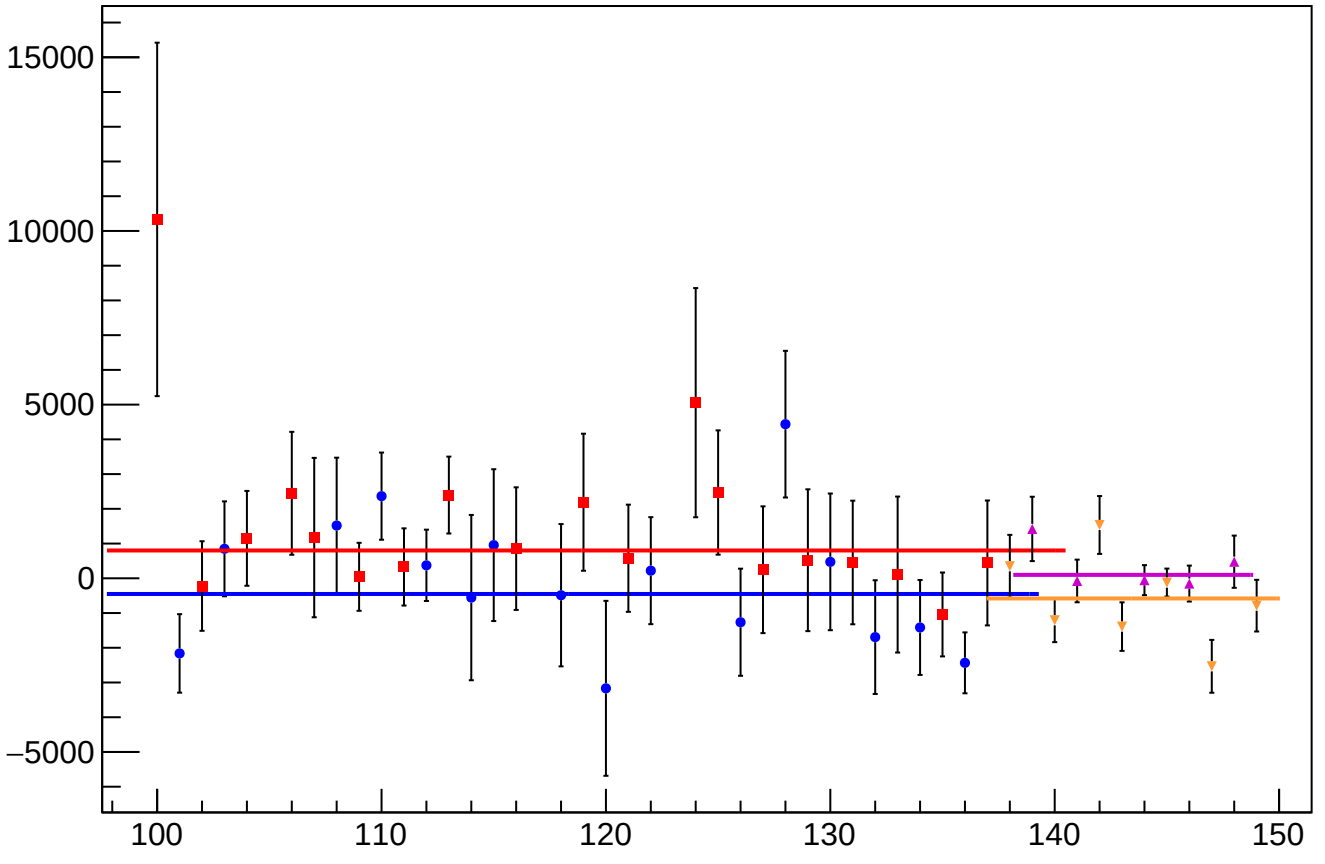
Left: 84.741+/-0.020 χ^2/NDF: 258928.0/11

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 85.919+/-0.019 χ^2/NDF:996585.2/20

Out: 86.176+/-0.018 χ^2/NDF:1256910.5/25

All: 86.053+/-0.013 χ^2/NDF: 2253595.4/46



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -580.800+/-243.044 χ^2/NDF:17.8/6

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 98.455+/-261.075 χ^2/NDF:2.7/4

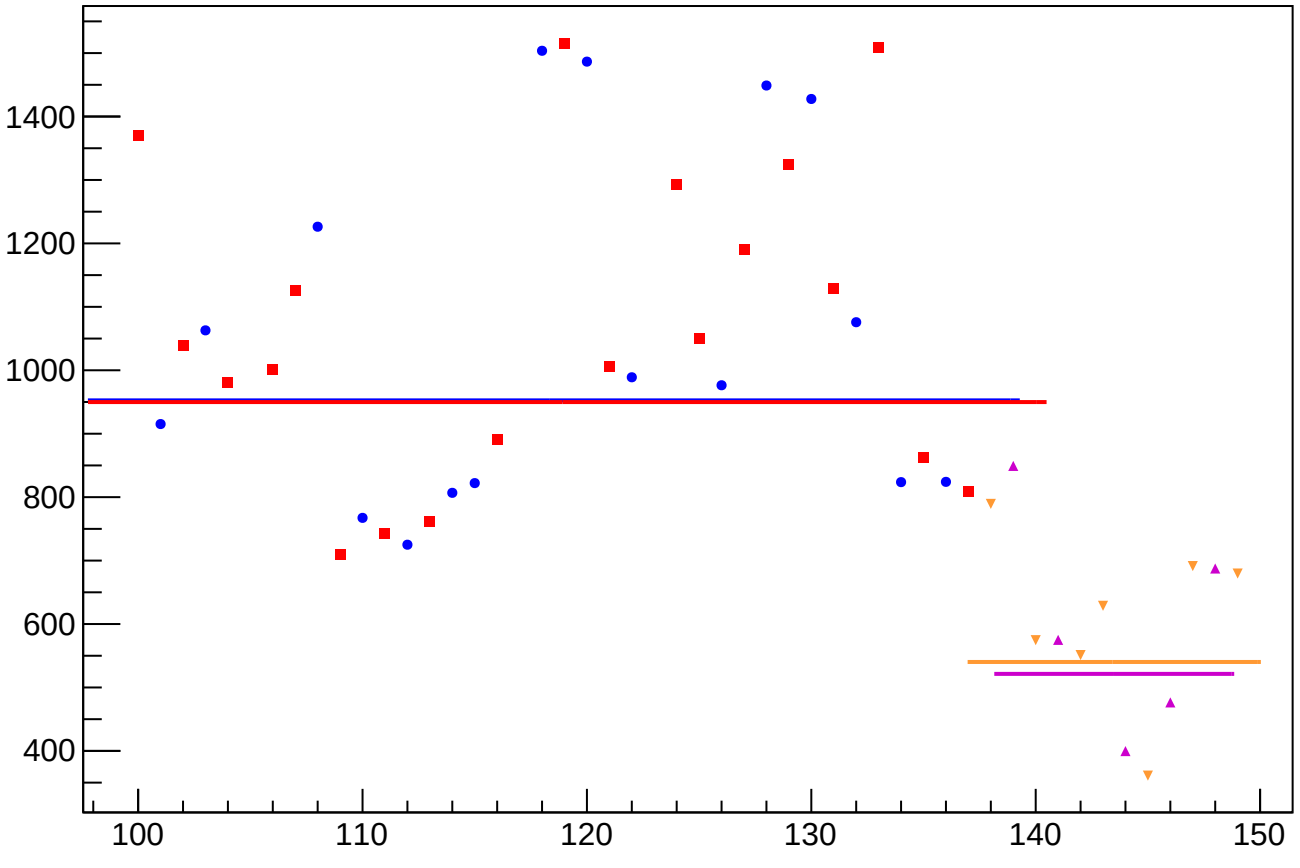
Left: -265.437+/-177.891 χ^2/NDF: 24.2/11

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -87.233+/-212.465 χ^2/NDF:28.0/20

Out: -144.569+/-201.059 χ^2/NDF:41.6/25

All: -117.481+/-146.036 χ^2/NDF: 69.6/46



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 540.197+/-0.172 χ^2/NDF:734391.9/6

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 521.418+/-0.185 χ^2/NDF:536844.0/4

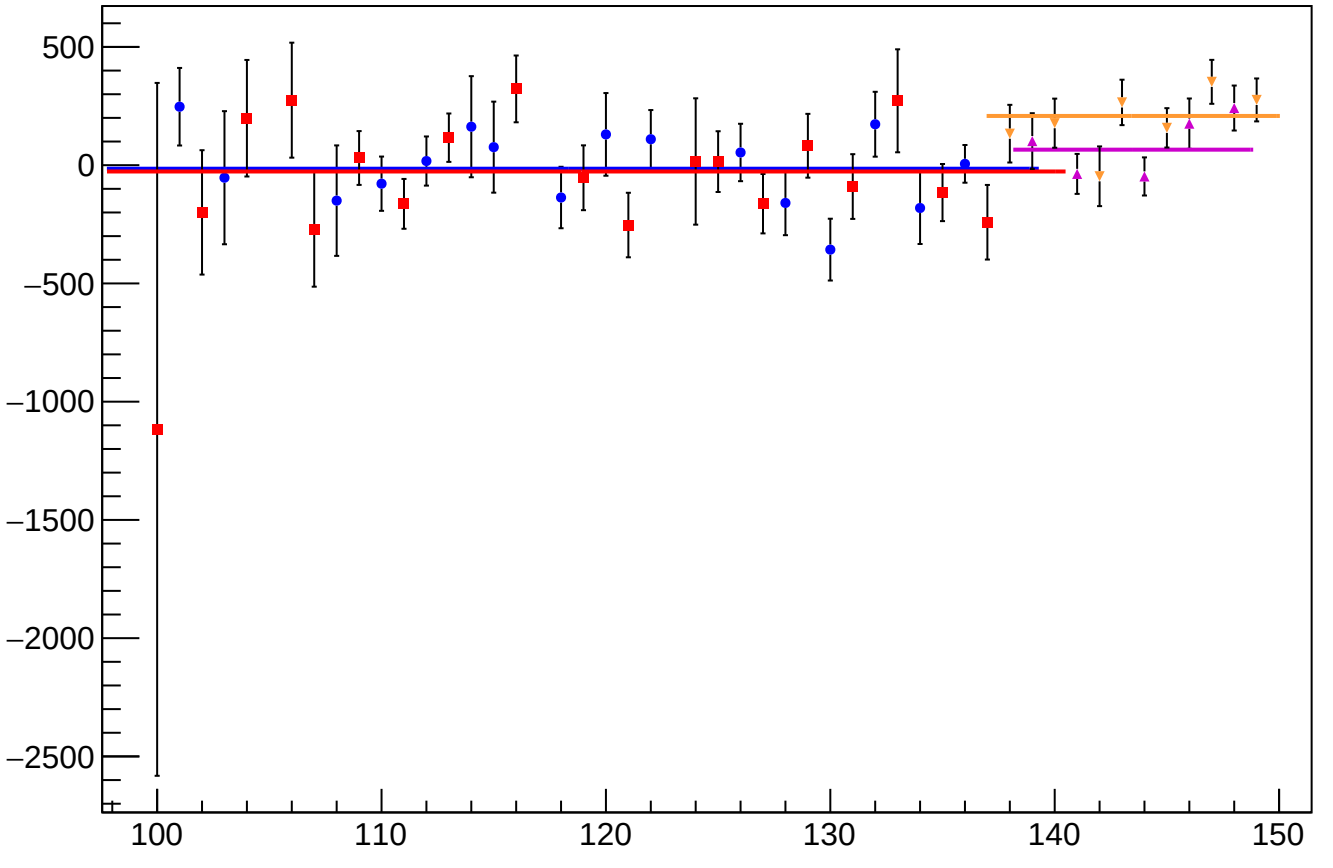
Left: 531.478+/-0.126 χ^2/NDF: 1276779.7/11

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 667.018+/-0.150 χ^2/NDF:3125119.0/20

Out: 669.517+/-0.142 χ^2/NDF:3279921.6/25

All: 668.337+/-0.103 χ^2/NDF: 6405186.7/46



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 208.163+/-37.451 χ^2/NDF:8.2/6

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: 145.150+/-27.975 χ^2/NDF: 22.7/11

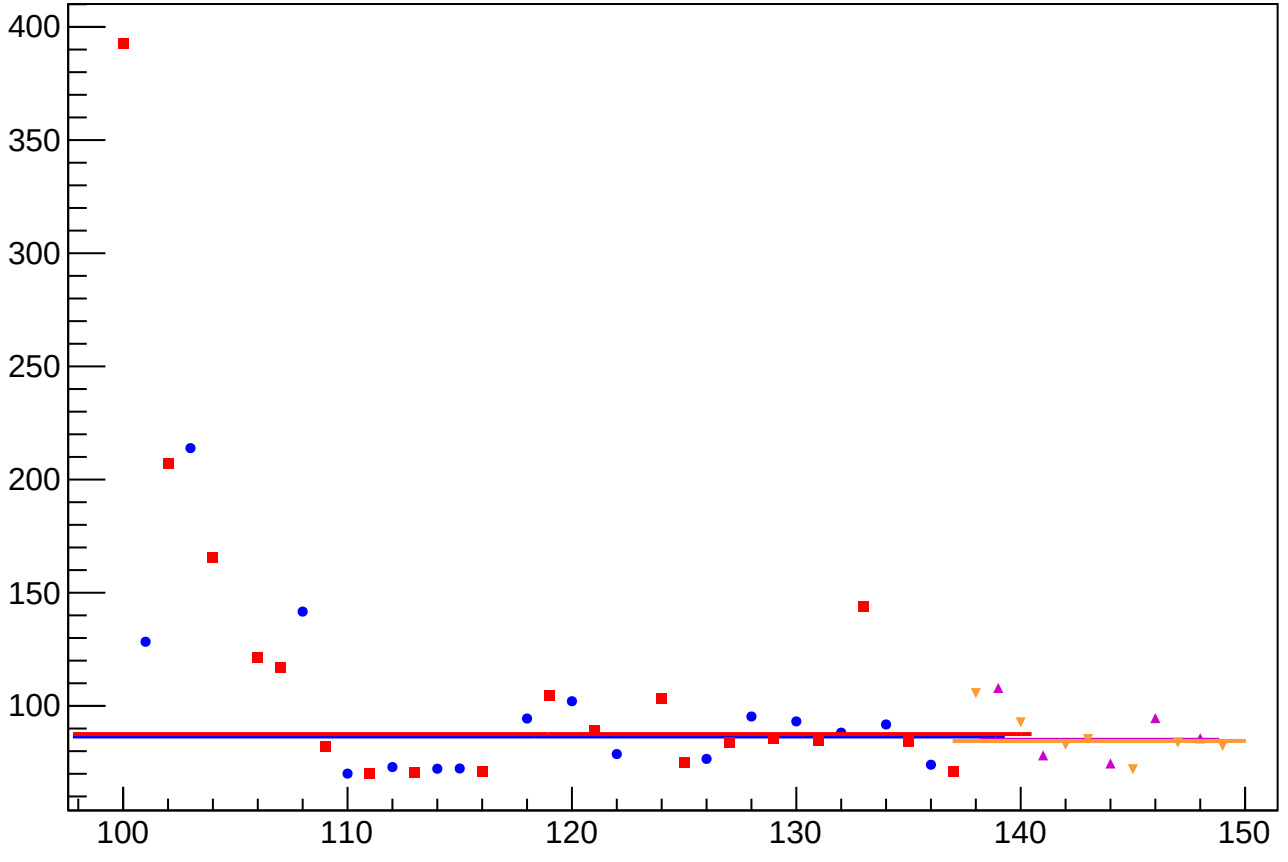
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 16.598+/-26.333 χ^2/NDF:28.5/20

Out: 79.687+/-25.203 χ^2/NDF:53.4/25

All: 49.525+/-18.207 χ^2/NDF: 84.9/46

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: 84.511+/-0.026 χ^2/NDF:119884.9/6

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: 84.741+/-0.020 χ^2/NDF: 258924.3/11

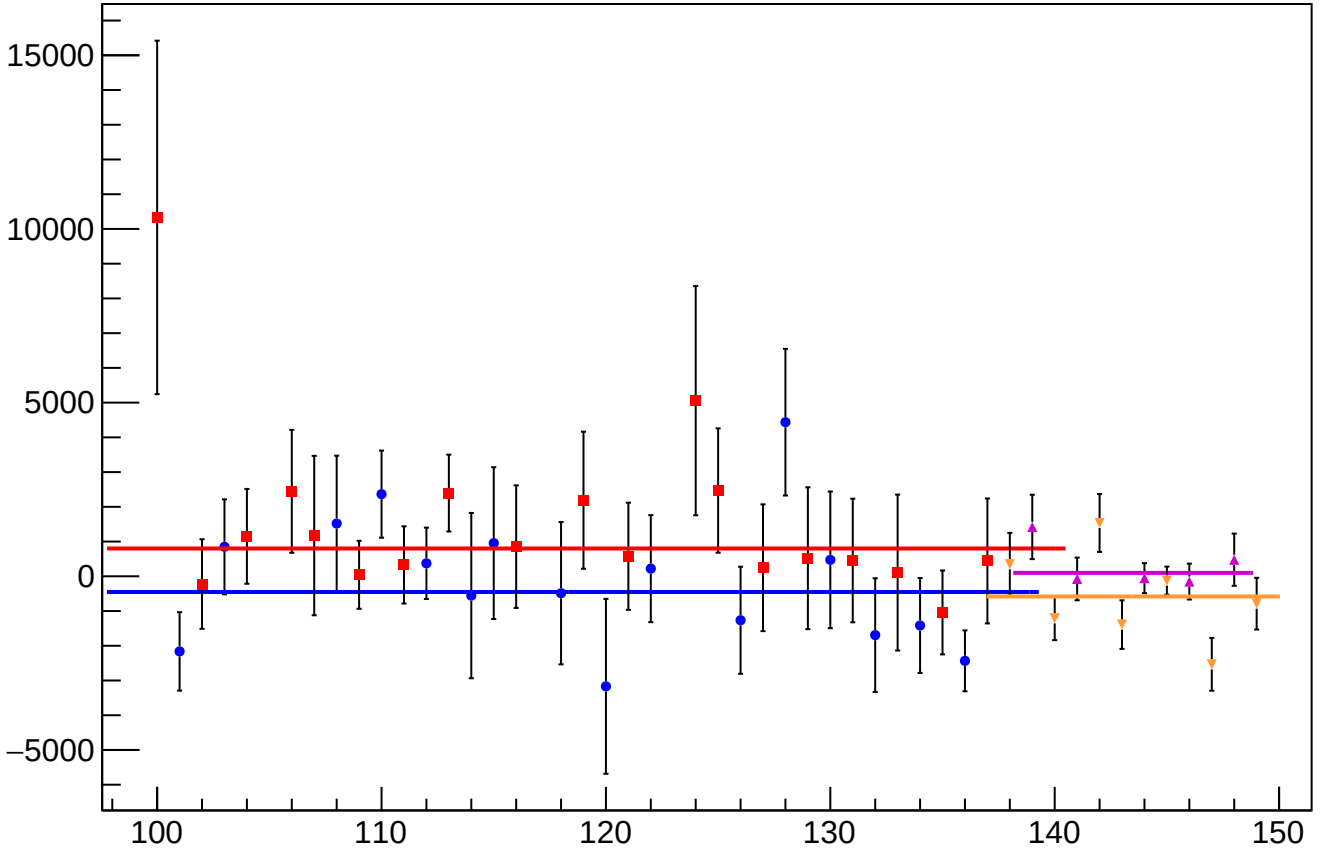
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 85.919+/-0.019 χ^2/NDF:996575.1/20

Out: 86.176+/-0.018 χ^2/NDF:1256907.1/25

All: 86.053+/-0.013 χ^2/NDF: 2253582.0/46

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -580.803+/-243.044 χ^2/NDF:17.8/6

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 98.455+/-261.075 χ^2/NDF:2.7/4

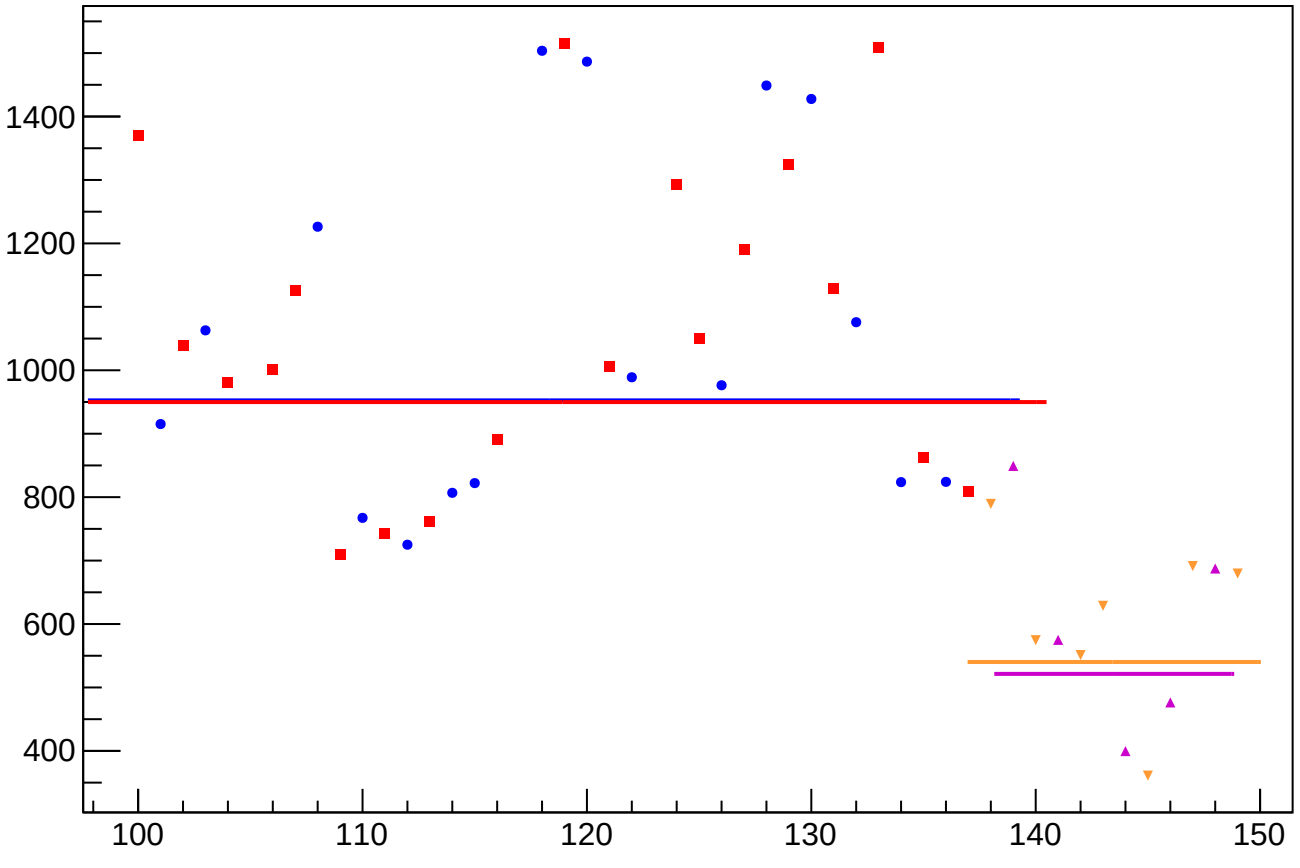
Left: -265.439+/-177.891 χ^2/NDF: 24.2/11

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -87.232+/-212.465 χ^2/NDF:28.0/20

Out: -144.570+/-201.059 χ^2/NDF:41.6/25

All: -117.482+/-146.036 χ^2/NDF: 69.6/46



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 540.197+/-0.172 χ^2/NDF:734394.7/6

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 521.417+/-0.185 χ^2/NDF:536845.9/4

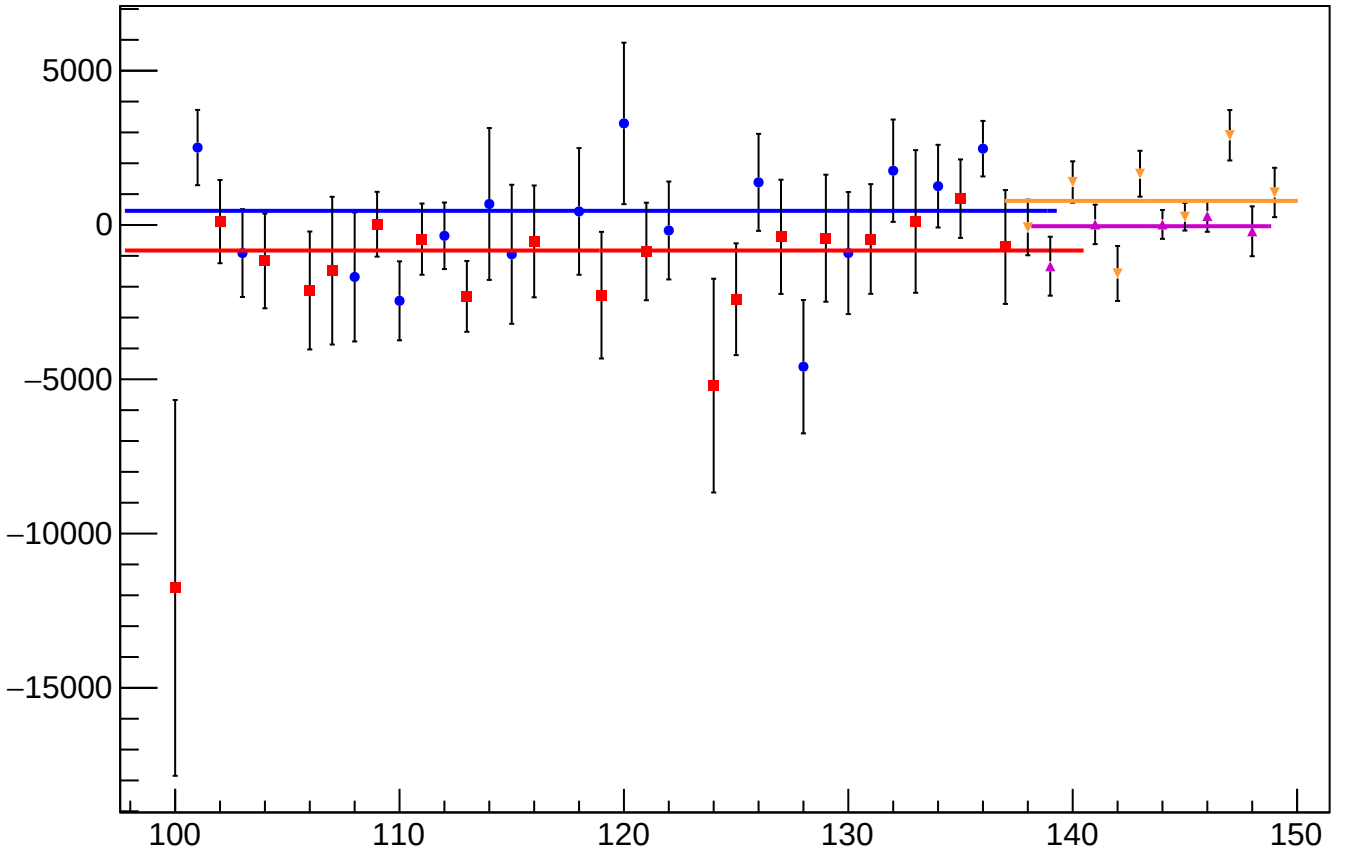
Left: 531.478+/-0.126 χ^2/NDF: 1276784.4/11

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 667.017+/-0.150 χ^2/NDF:3125117.3/20

Out: 669.517+/-0.142 χ^2/NDF:3279919.3/25

All: 668.336+/-0.103 χ^2/NDF: 6405182.6/46



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 781.471+/-262.122 χ^2/NDF:18.3/6

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: 387.176+/-188.978 χ^2/NDF: 25.4/11

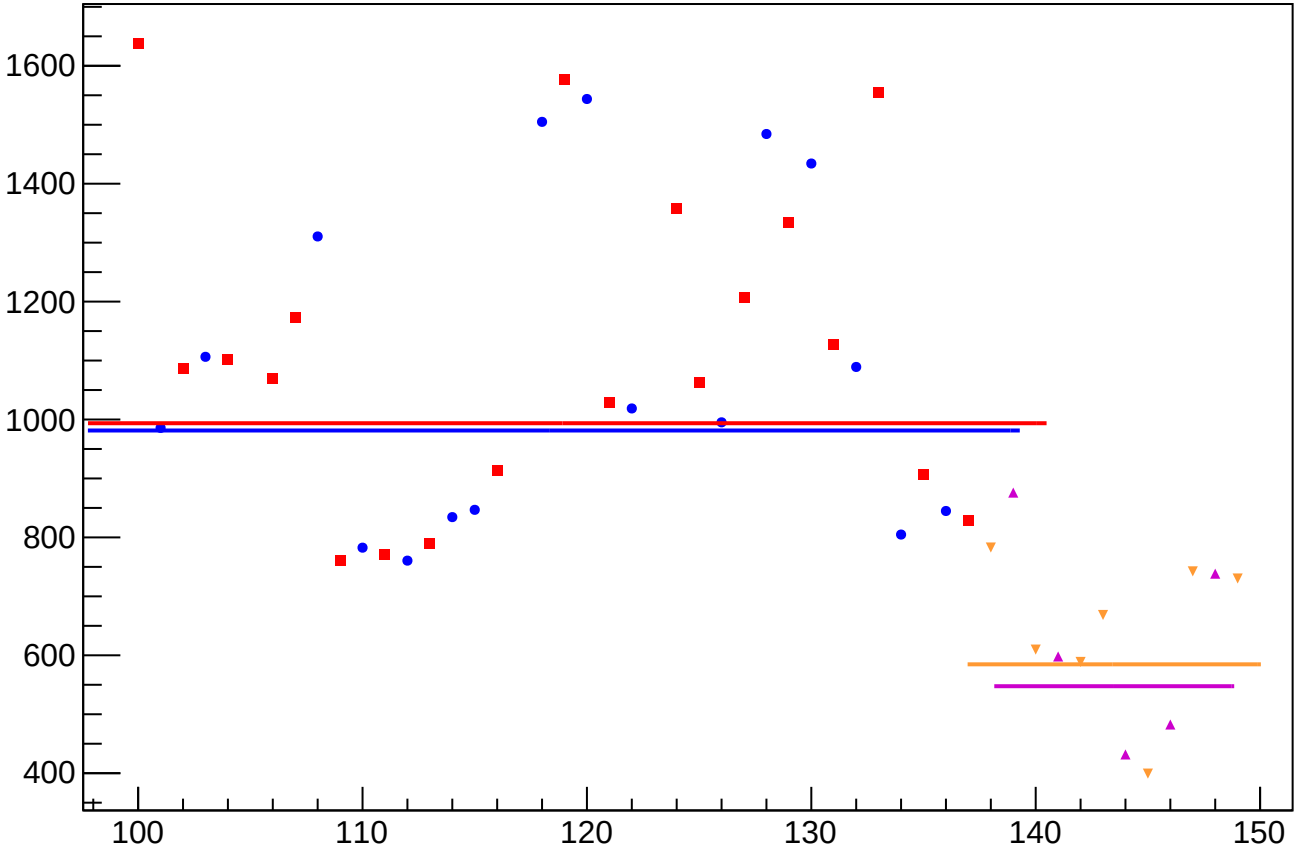
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 131.796+/-220.931 χ^2/NDF:28.0/20

Out: 252.255+/-214.698 χ^2/NDF:42.4/25

All: 193.749+/-153.971 χ^2/NDF: 70.6/46

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 584.687+/-0.185 χ^2/NDF:606537.3/6

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 547.564+/-0.193 χ^2/NDF:515430.8/4

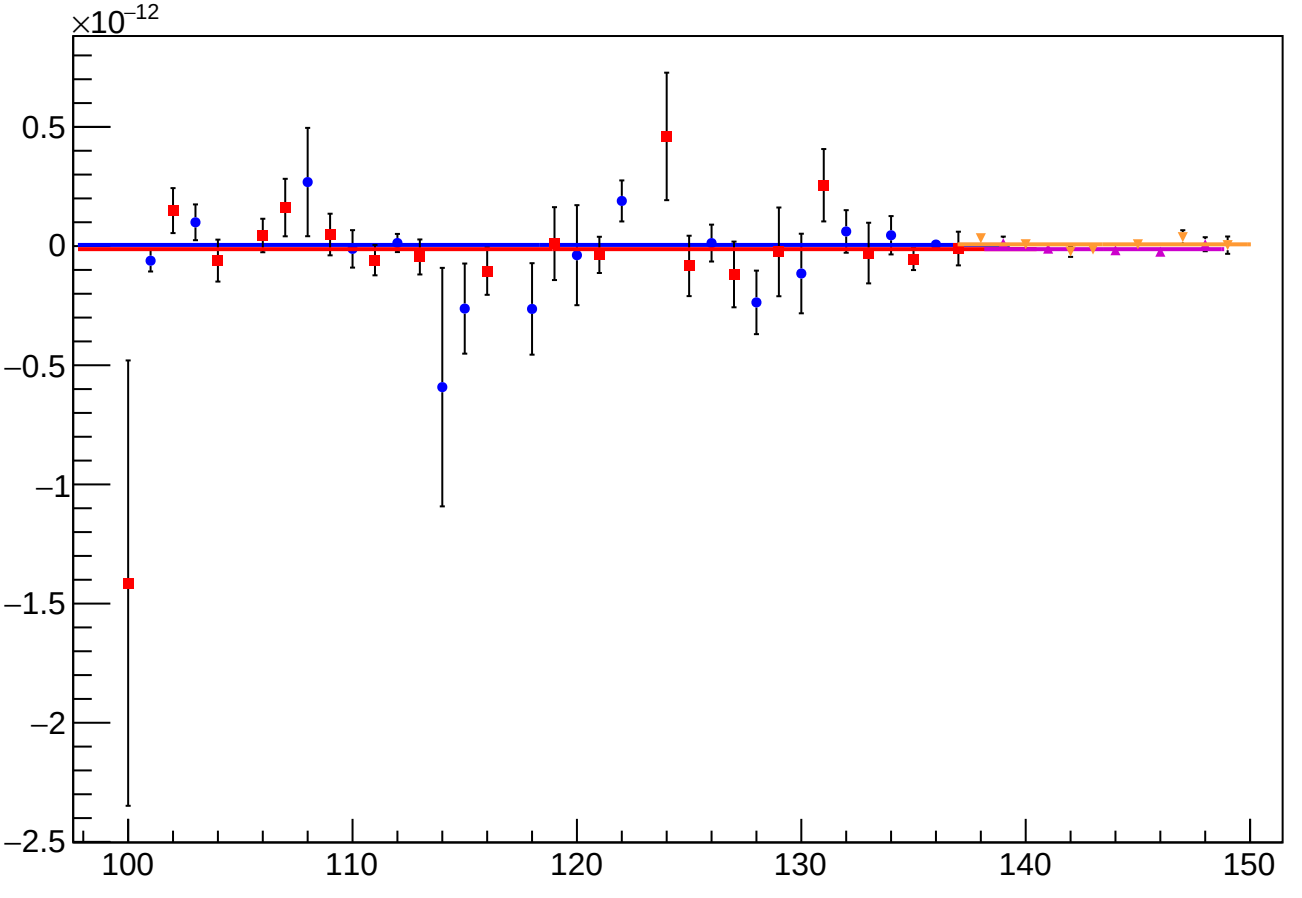
Left: 566.860+/-0.134 χ^2/NDF: 1141232.0/11

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 696.636+/-0.156 χ^2/NDF:2992142.9/20

Out: 719.294+/-0.152 χ^2/NDF:2928882.5/25

All: 708.289+/-0.109 χ^2/NDF: 5931843.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

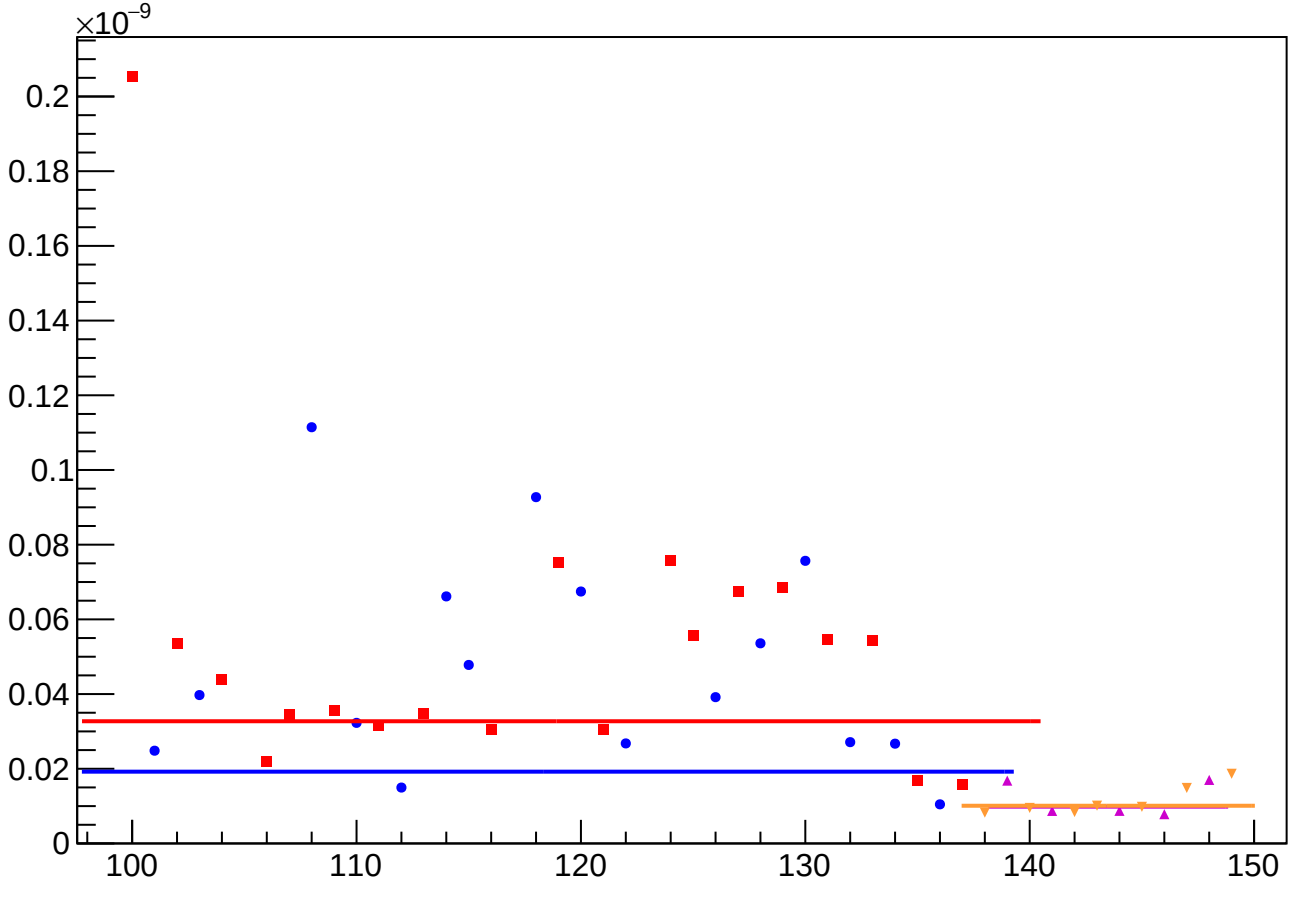
Left: -0.000+/-0.000 χ^2/NDF: 11.2/11

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:25.4/25

All: -0.000+/-0.000 χ^2/NDF: 49.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:199687.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:300048.5/4

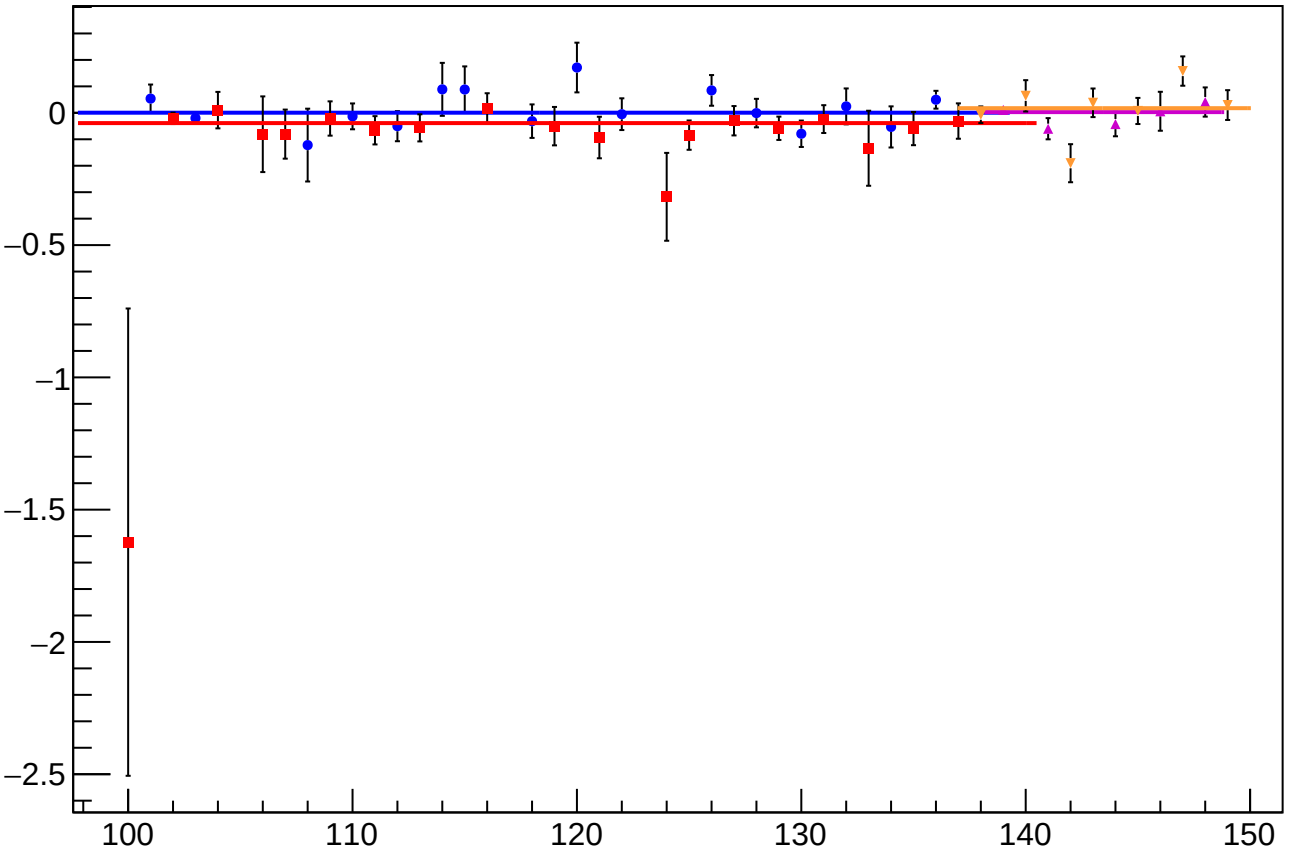
Left: 0.000+/-0.000 χ^2/NDF: 500664.6/11

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:3466064.7/25

All: 0.000+/-0.000 χ^2/NDF: 6388848.3/46



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.018+/-0.019 χ^2/NDF:16.2/6

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.012 χ^2/NDF:4.3/4

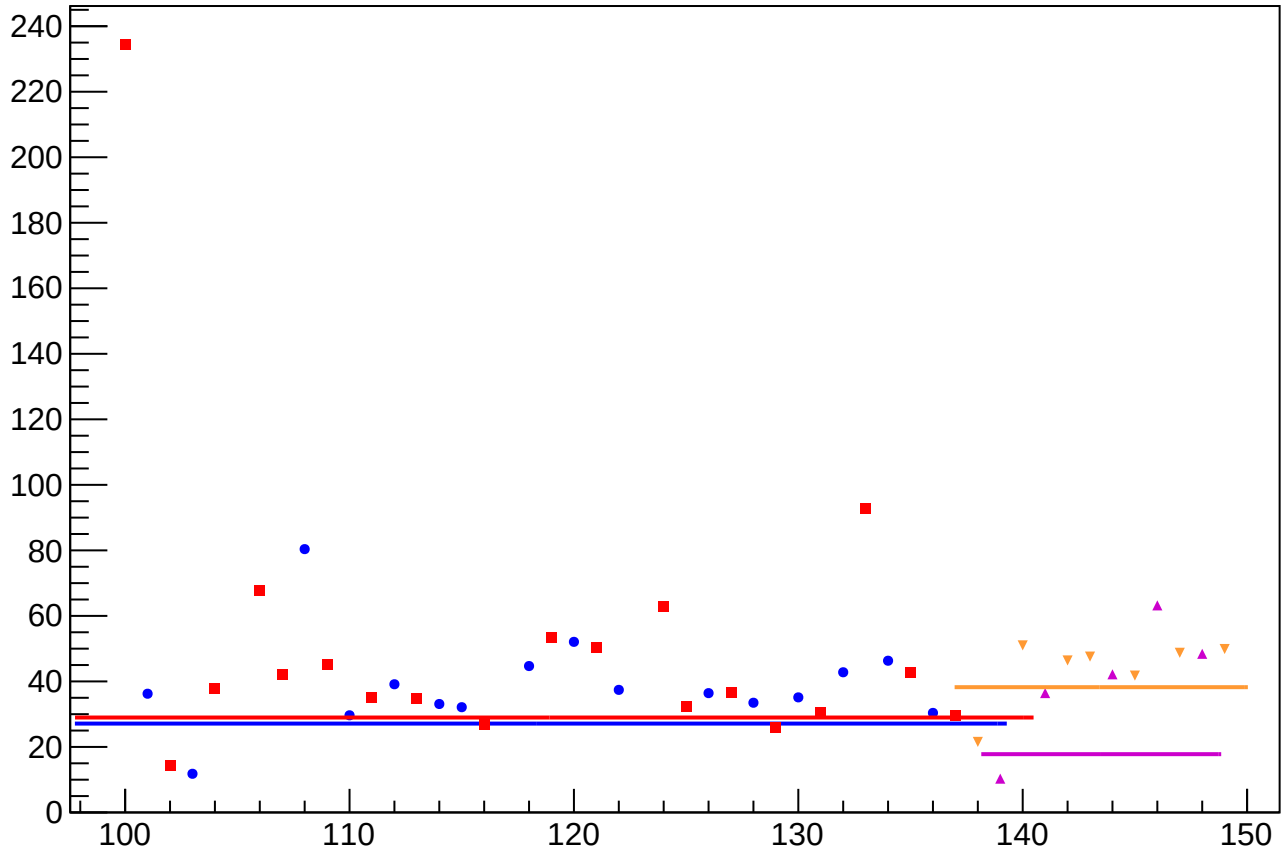
Left: 0.007+/-0.010 χ^2/NDF: 21.0/11

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

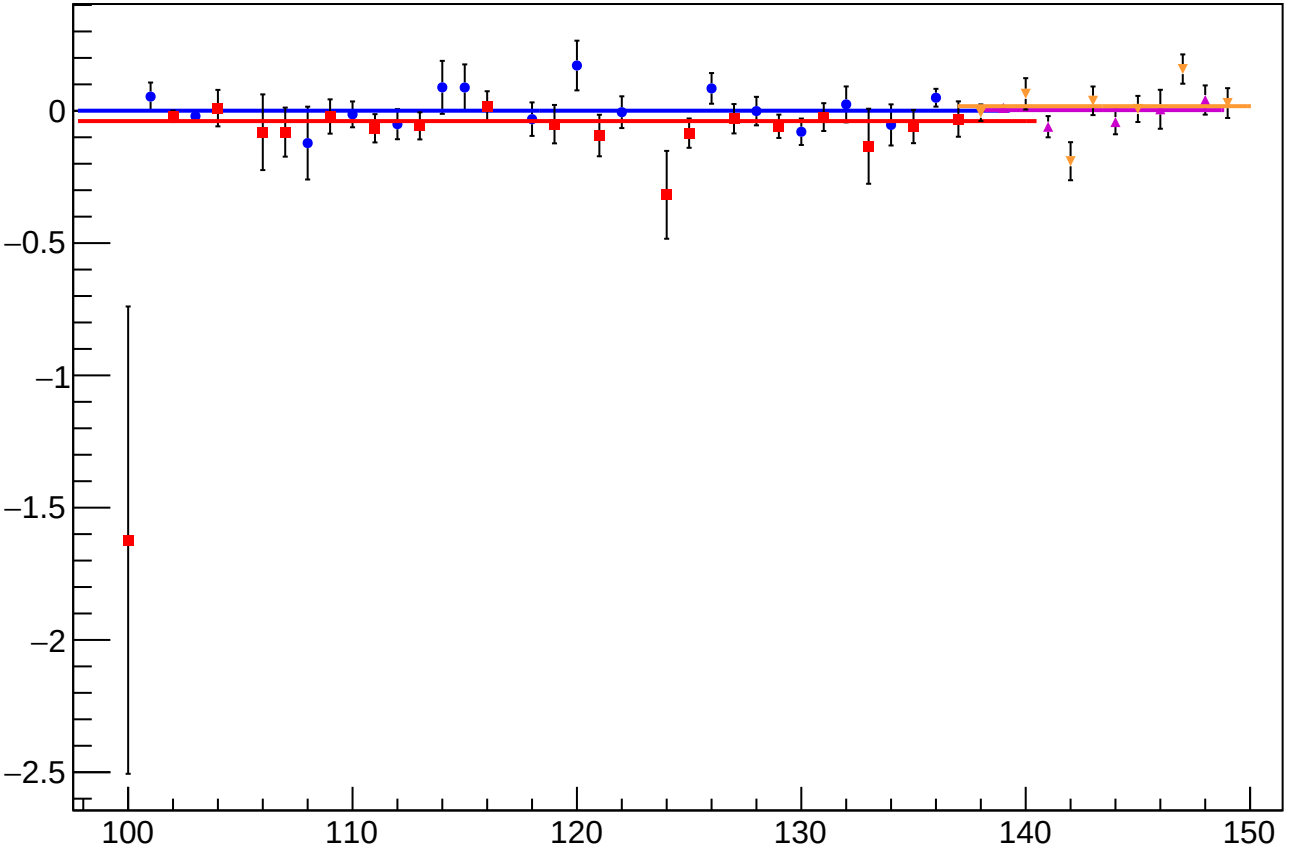
In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.021+/-0.010 χ^2/NDF:33.6/25

All: -0.007+/-0.007 χ^2/NDF: 57.2/46


asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
240
220
200
180
160
140
120
100
80
60
40
20
0
100
110
120
130
140
150
Right In: 27.128+/-0.009 χ²/NDF: 2415316.1/15
Left Out: 38.239+/-0.013 χ²/NDF:912369.3/6
Right Out: 28.979+/-0.009 χ²/NDF: 2456254.0/18
Left In: 17.793+/-0.008 χ²/NDF:2983151.3/4
Left: 23.677+/-0.007 χ²/NDF: 5614976.5/11
Right: 28.008+/-0.006 χ²/NDF: 4894073.5/34
In: 22.381+/-0.006 χ²/NDF:6010642.0/20
Out: 31.901+/-0.007 χ²/NDF:3707554.2/25
All: 26.135+/-0.005 χ²/NDF: 10722755.2/46

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.018+/-0.019 χ^2/NDF:16.2/6

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: 0.007+/-0.010 χ^2/NDF: 21.0/11

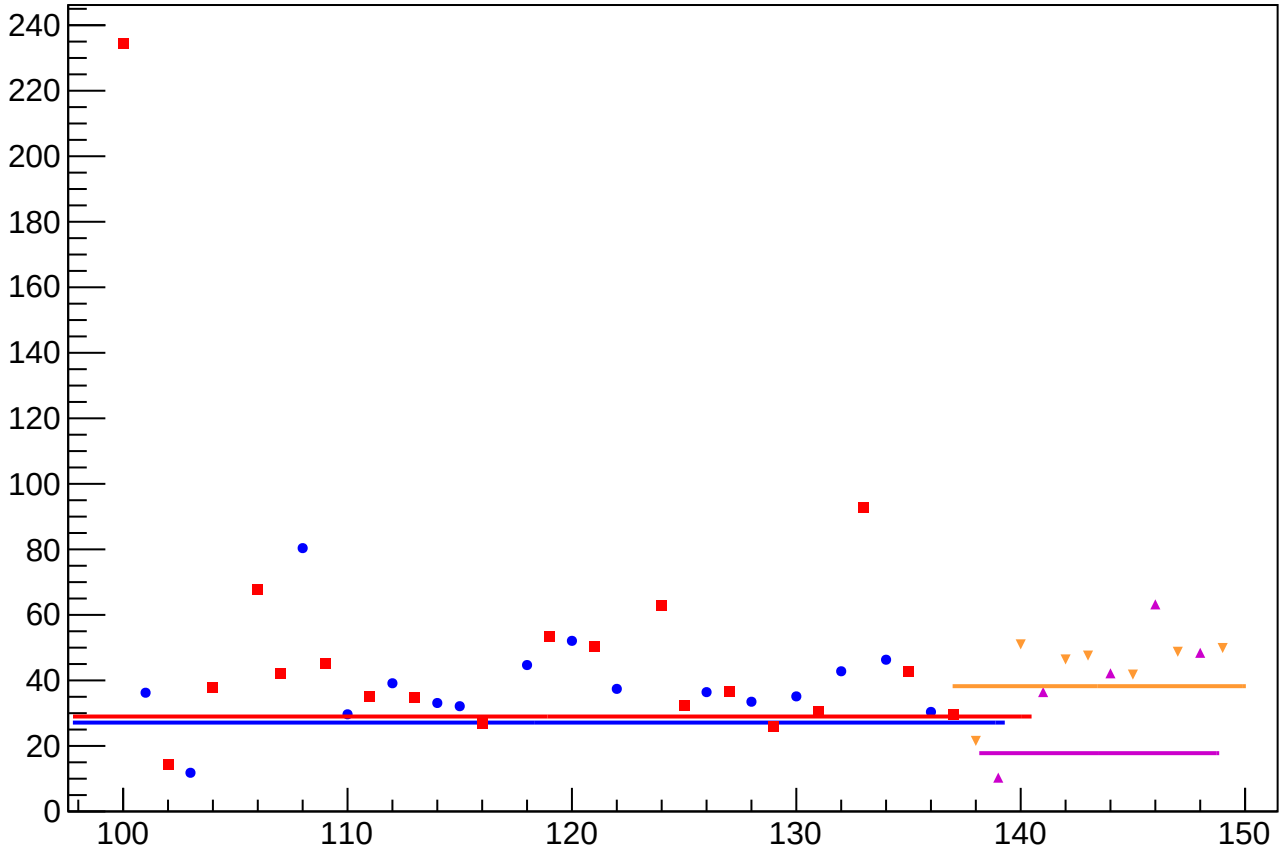
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.021+/-0.010 χ^2/NDF:33.6/25

All: -0.007+/-0.007 χ^2/NDF: 57.2/46

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: 38.239+/-0.013 χ^2/NDF:912369.3/6

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 17.793+/-0.008 χ^2/NDF:2983151.3/4

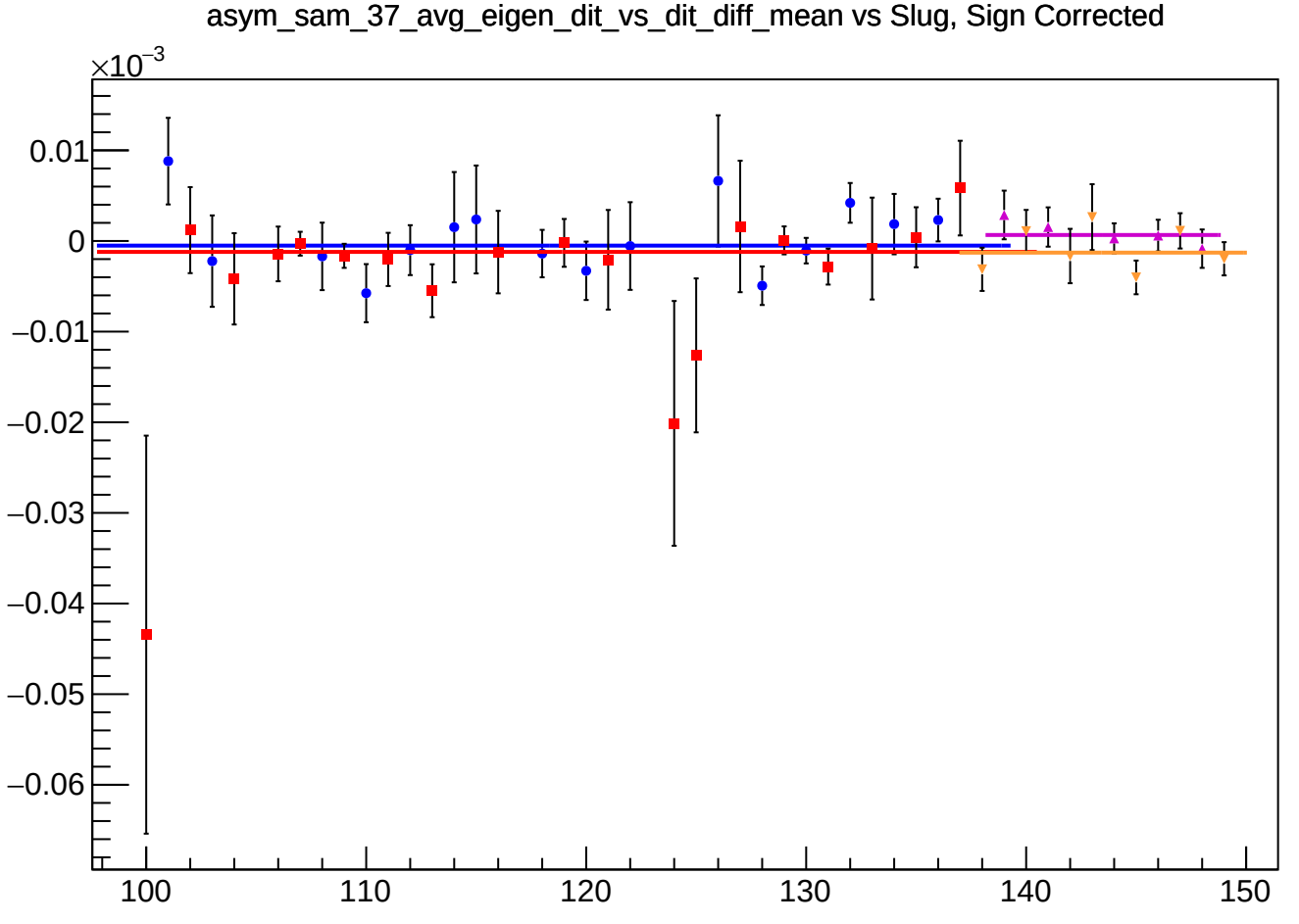
Left: 23.677+/-0.007 χ^2/NDF: 5614976.5/11

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.381+/-0.006 χ^2/NDF:6010642.0/20

Out: 31.901+/-0.007 χ^2/NDF:3707554.2/25

All: 26.135+/-0.005 χ^2/NDF: 10722755.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/4

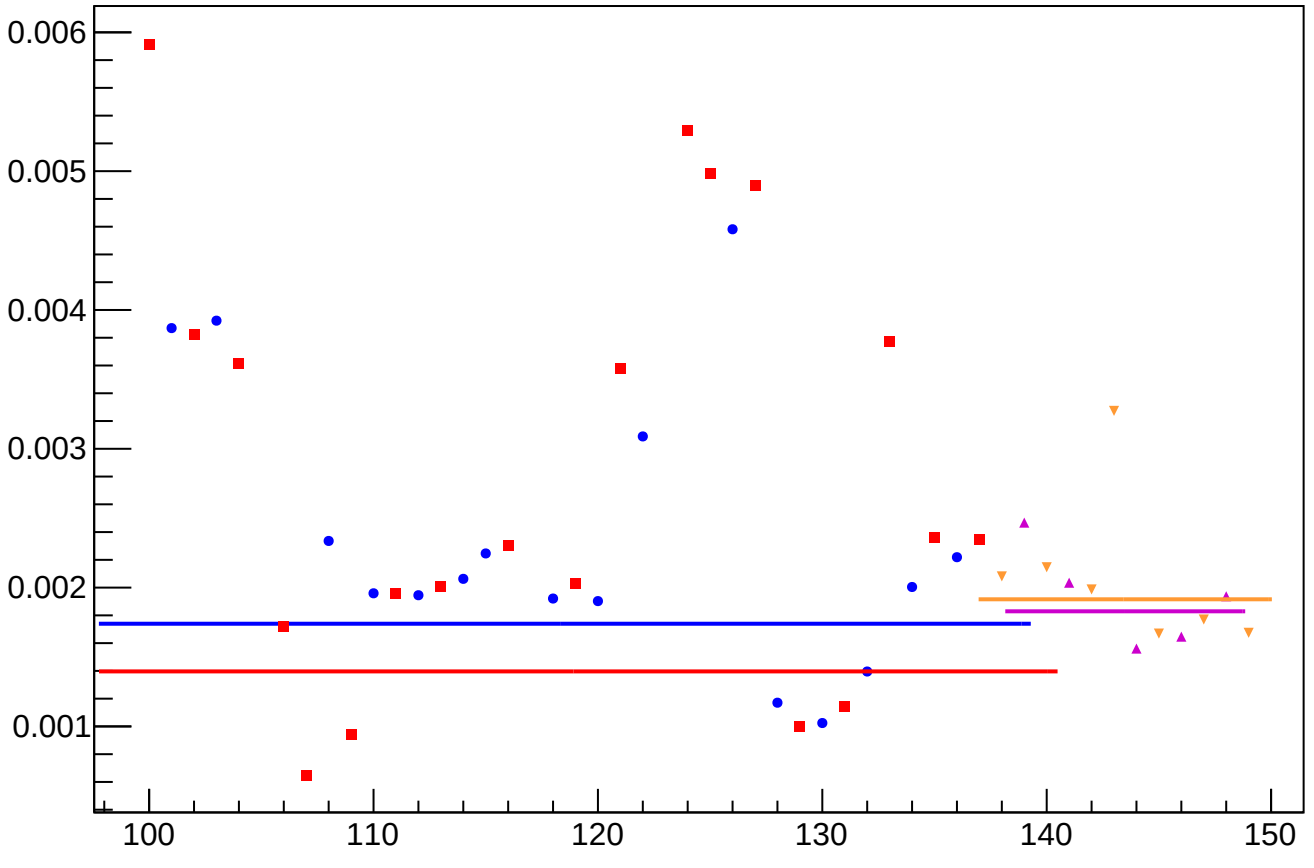
Left: -0.000+/-0.000 χ^2/NDF: 10.5/11

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:21.2/25

All: -0.000+/-0.000 χ^2/NDF: 46.2/46



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:390596.0/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:210314.1/4

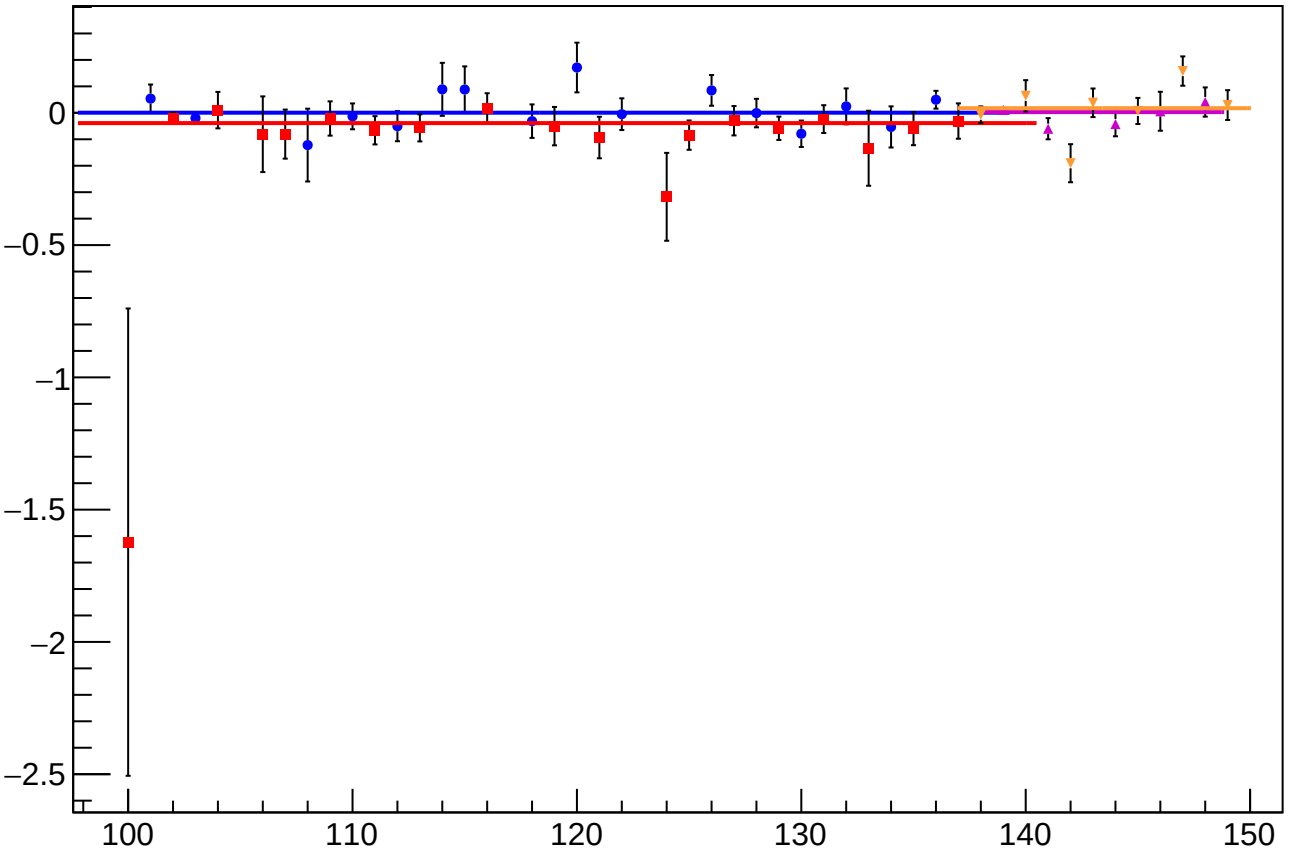
Left: 0.002+/-0.000 χ^2/NDF: 610840.3/11

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:5208506.9/25

All: 0.002+/-0.000 χ^2/NDF: 7721919.4/46



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.018+/-0.019 χ^2/NDF:16.3/6

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: 0.007+/-0.010 χ^2/NDF: 21.0/11

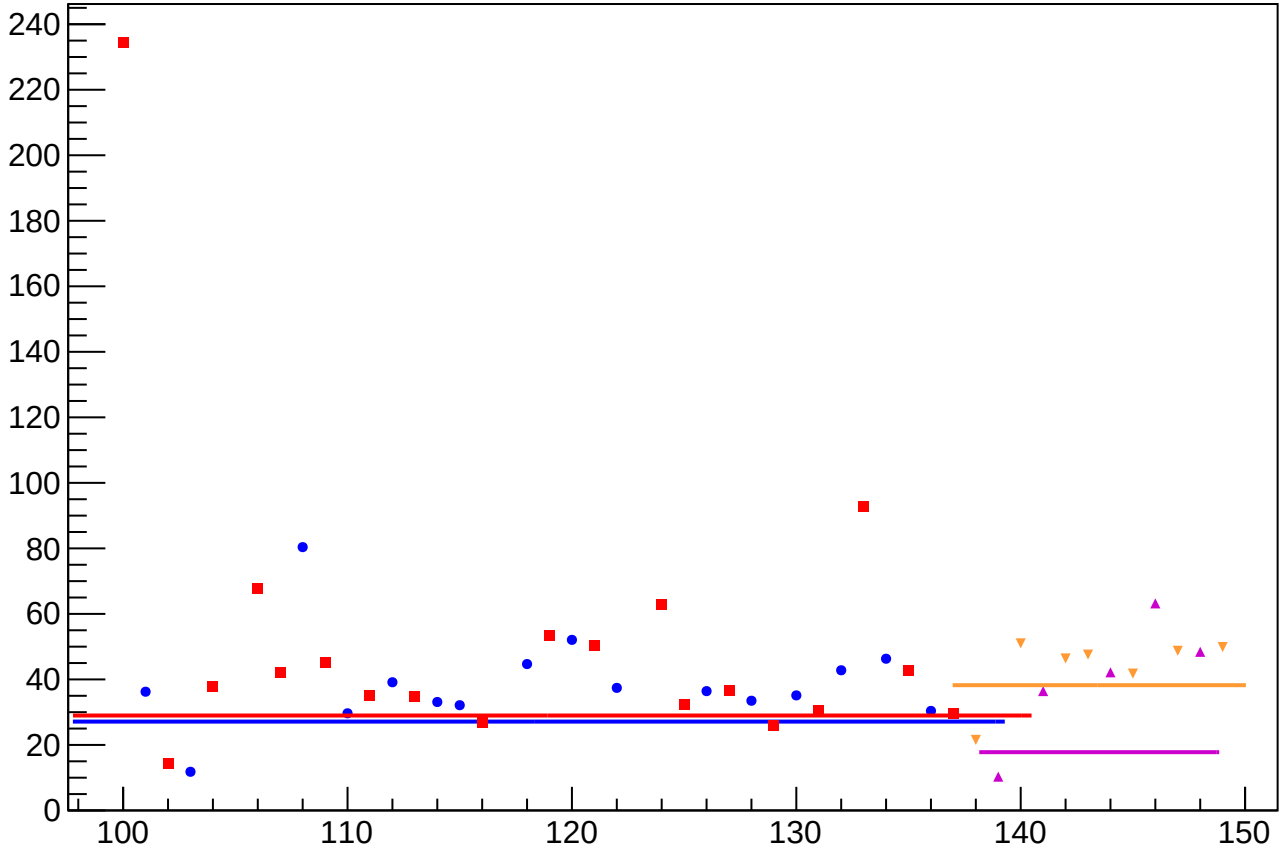
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.021+/-0.010 χ^2/NDF:33.6/25

All: -0.007+/-0.007 χ^2/NDF: 57.2/46

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: 38.237+/-0.013 χ^2/NDF:912756.3/6

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

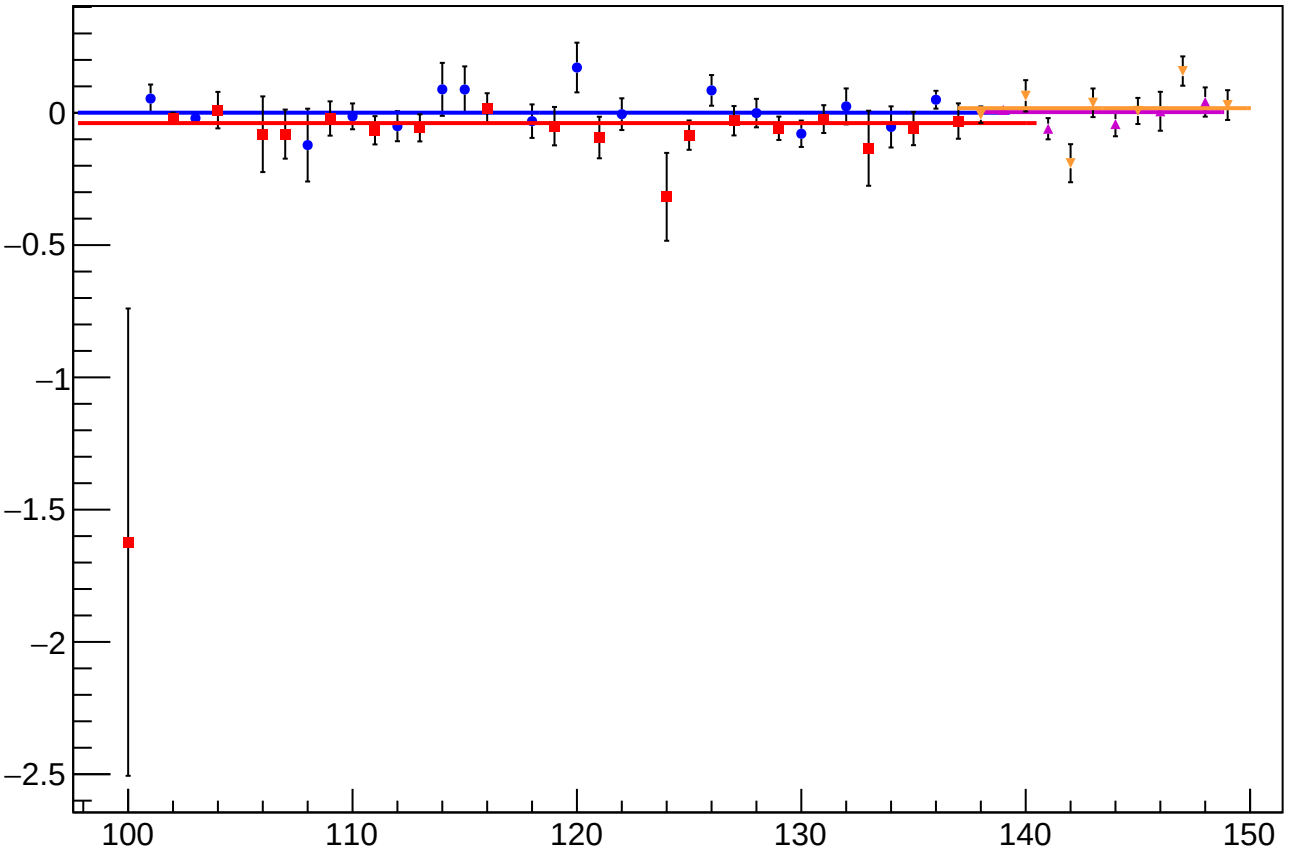
Left: 23.674+/-0.007 χ^2/NDF: 5615825.2/11

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.379+/-0.006 χ^2/NDF:6011539.5/20

Out: 31.903+/-0.007 χ^2/NDF:3706986.4/25

All: 26.134+/-0.005 χ^2/NDF: 10723762.3/46



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.018+/-0.019 χ^2/NDF:16.3/6

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: 0.007+/-0.010 χ^2/NDF: 21.0/11

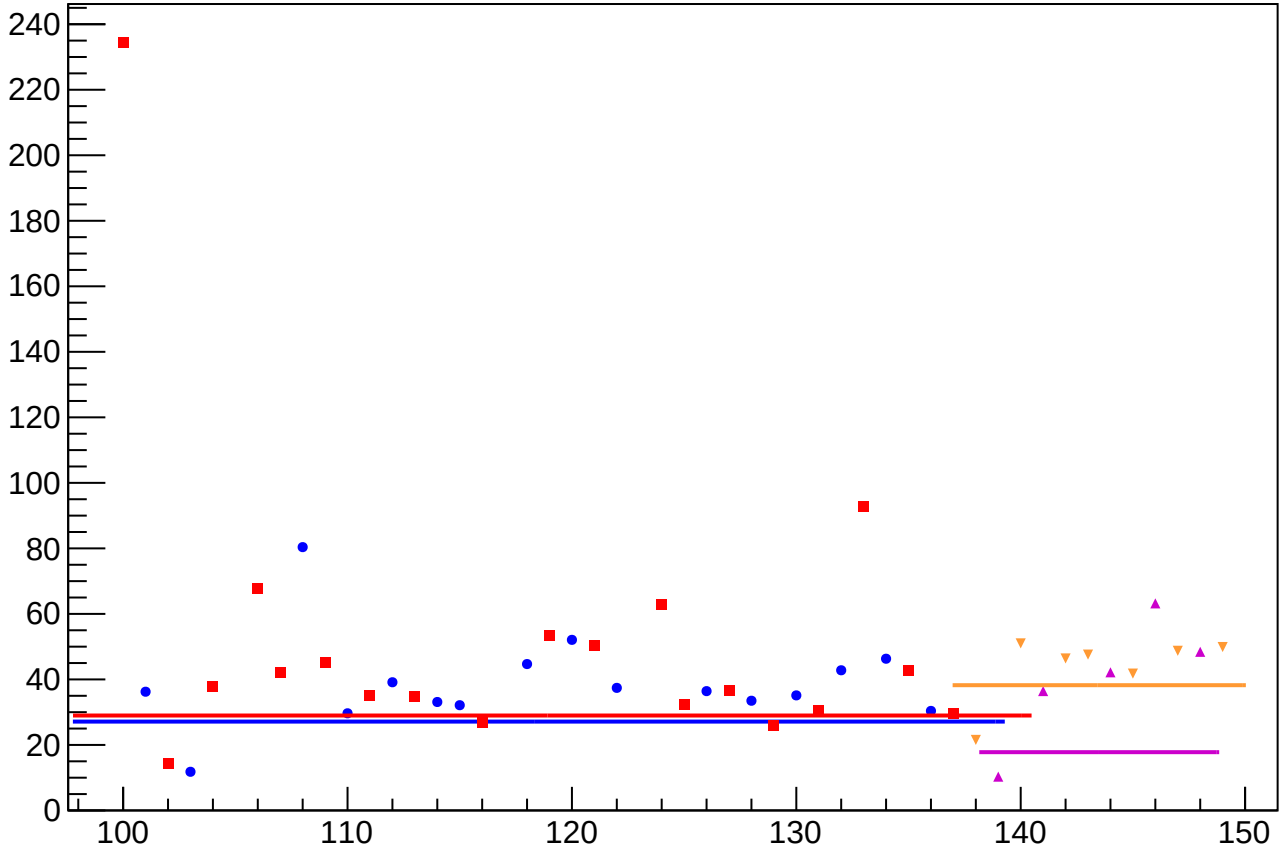
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:20.8/20

Out: -0.021+/-0.010 χ^2/NDF:33.6/25

All: -0.007+/-0.007 χ^2/NDF: 57.2/46

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: 38.237+/-0.013 χ^2/NDF:912756.3/6

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 17.791+/-0.008 χ^2/NDF:2983495.9/4

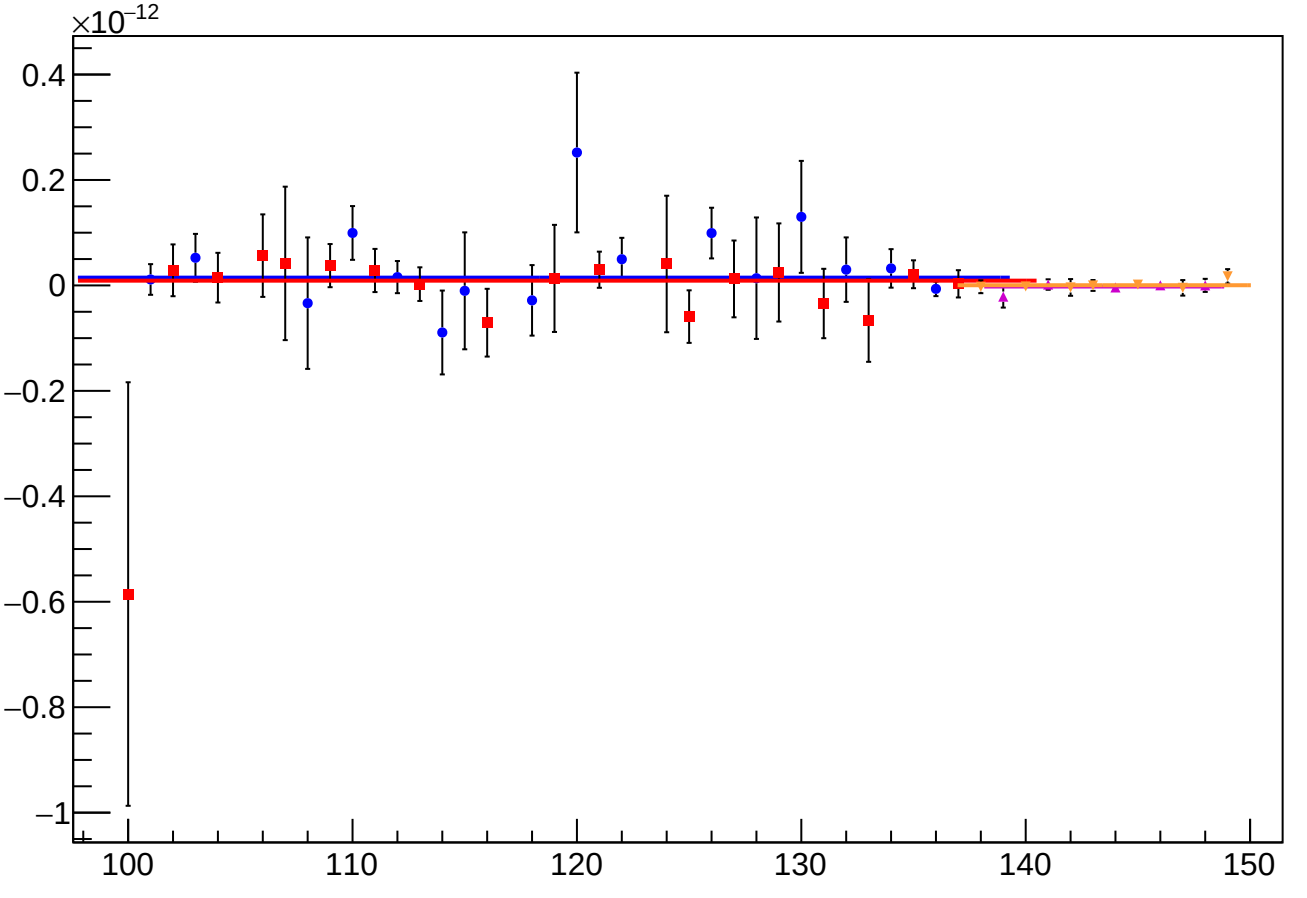
Left: 23.674+/-0.007 χ^2/NDF: 5615825.2/11

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.379+/-0.006 χ^2/NDF:6011539.5/20

Out: 31.903+/-0.007 χ^2/NDF:3706986.4/25

All: 26.134+/-0.005 χ^2/NDF: 10723762.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

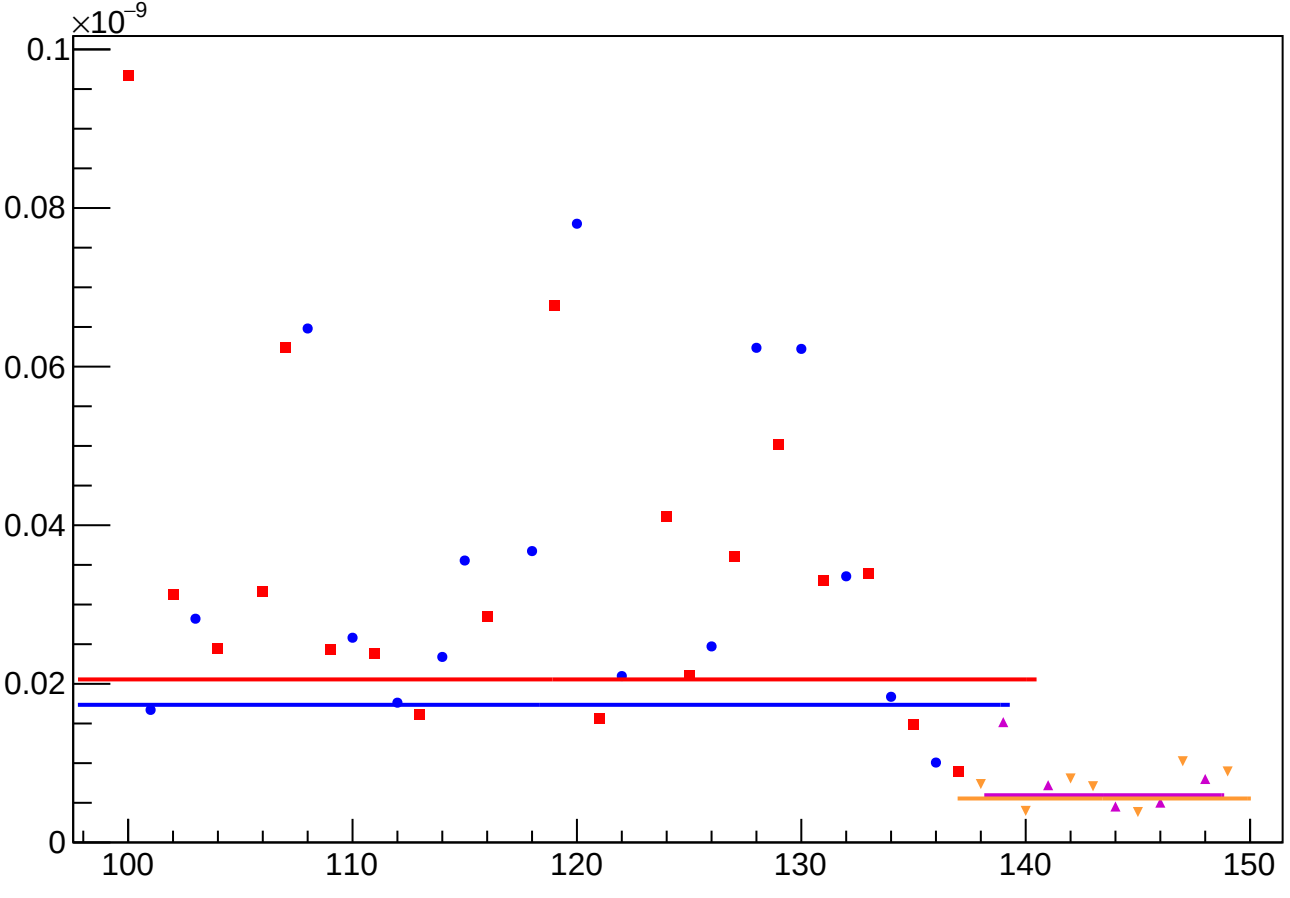
Left: -0.000+/-0.000 χ^2/NDF: 3.3/11

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:11.5/25

All: 0.000+/-0.000 χ^2/NDF: 31.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:718477.9/6

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: 1330542.3/11

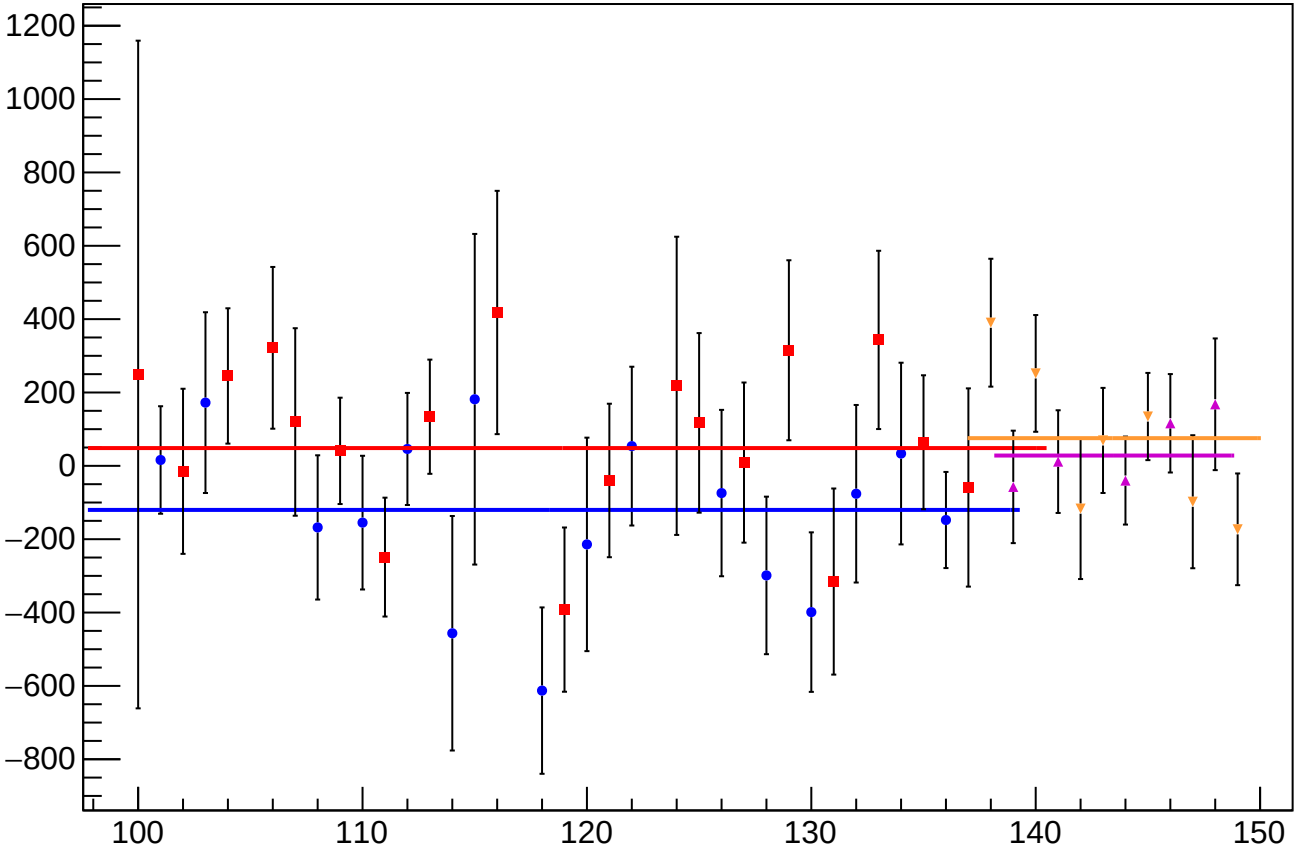
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5478625.3/20

Out: 0.000+/-0.000 χ^2/NDF:6107008.4/25

All: 0.000+/-0.000 χ^2/NDF: 11630909.1/46

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 75.490+/-58.472 χ^2/NDF:9.3/6

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 28.091+/-63.298 χ^2/NDF:1.7/4

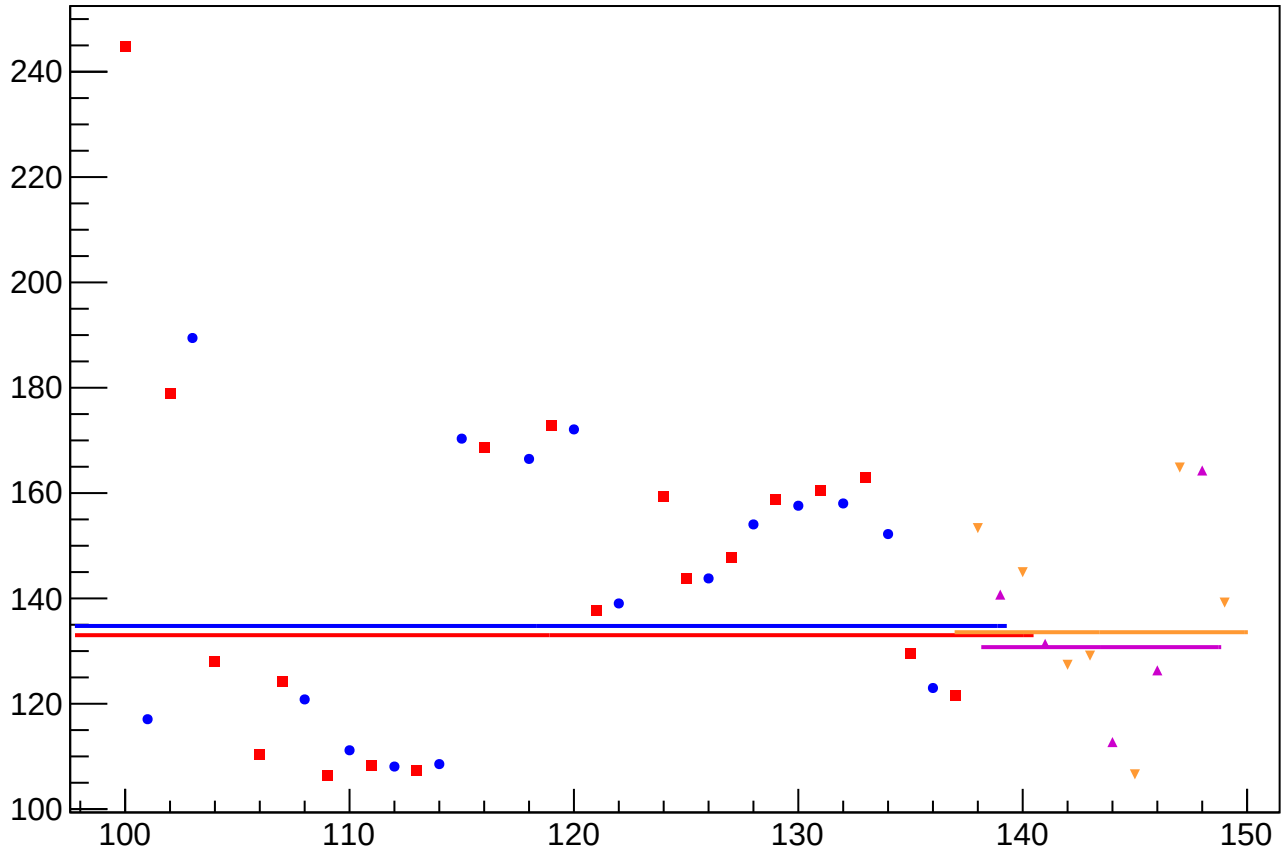
Left: 53.666+/-42.951 χ^2/NDF: 11.3/11

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -61.659+/-39.762 χ^2/NDF:18.4/20

Out: 59.846+/-37.961 χ^2/NDF:26.4/25

All: 1.907+/-27.457 χ^2/NDF: 49.7/46



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 133.583+/-0.041 χ^2/NDF:205185.5/6

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: 132.279+/-0.030 χ^2/NDF: 332947.3/11

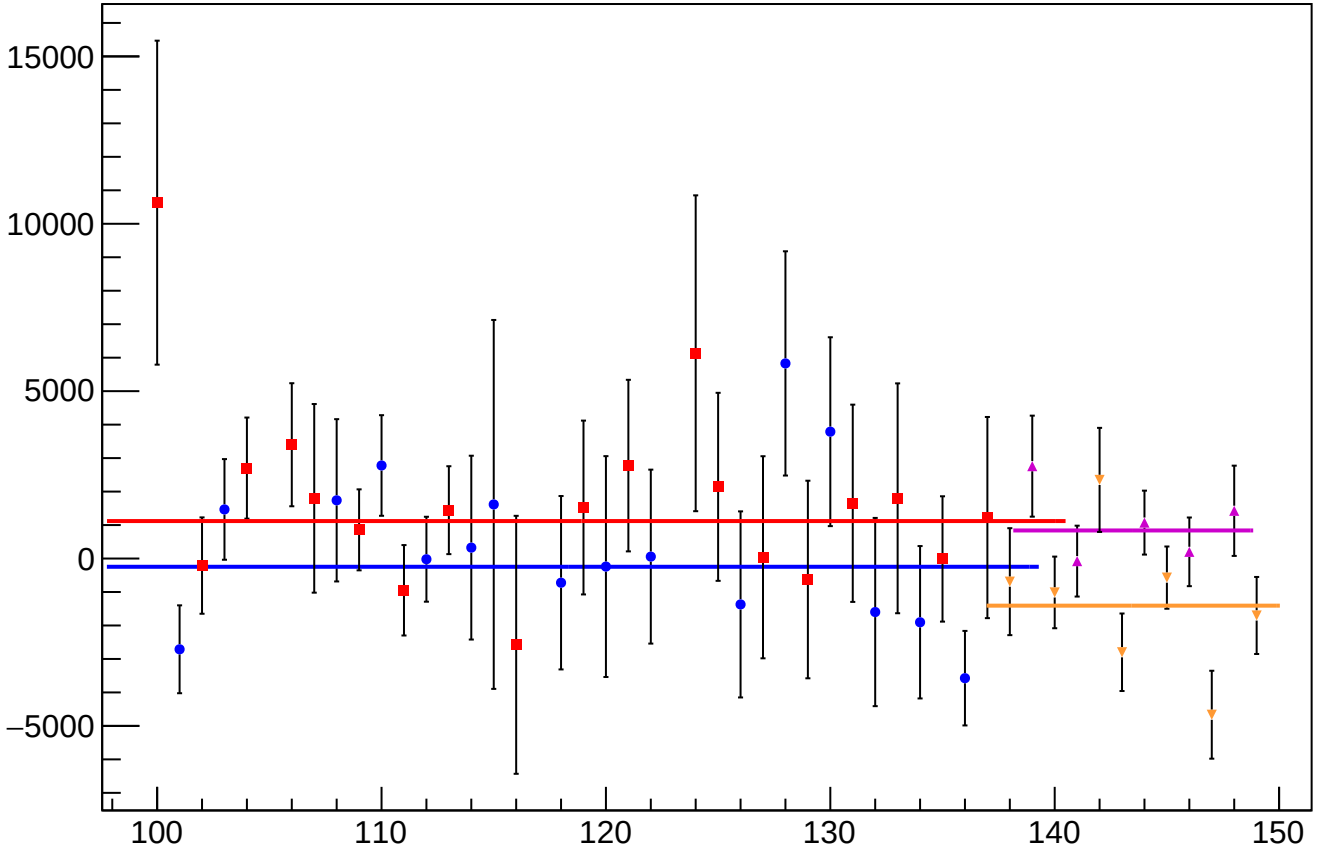
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 133.185+/-0.028 χ^2/NDF:547264.8/20

Out: 133.257+/-0.027 χ^2/NDF:701010.0/25

All: 133.222+/-0.019 χ^2/NDF: 1248278.2/46

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1407.776+/-450.951 χ^2/NDF:14.7/6

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 838.589+/-504.529 χ^2/NDF:3.0/4

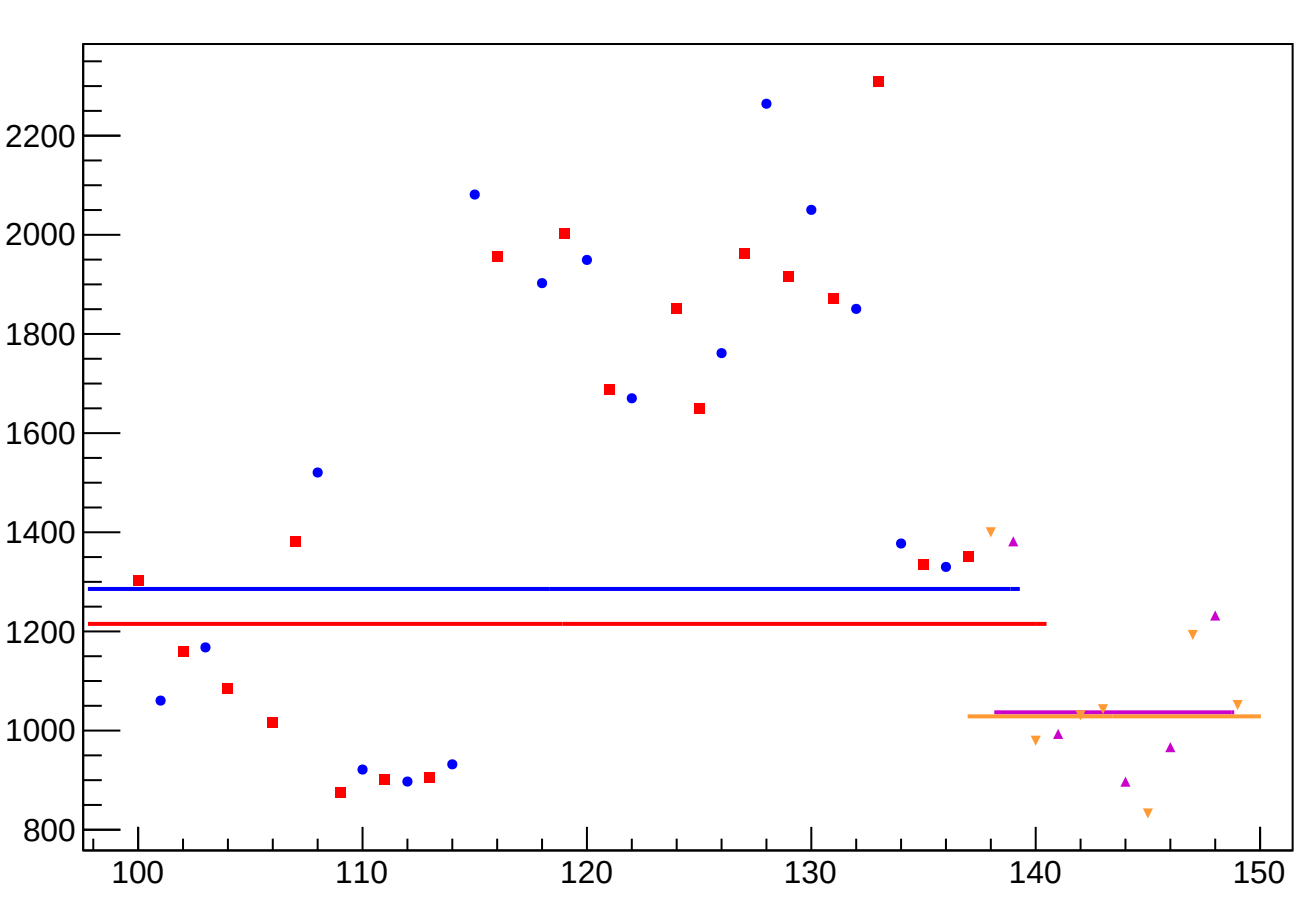
Left: -410.161+/-336.223 χ^2/NDF: 28.7/11

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

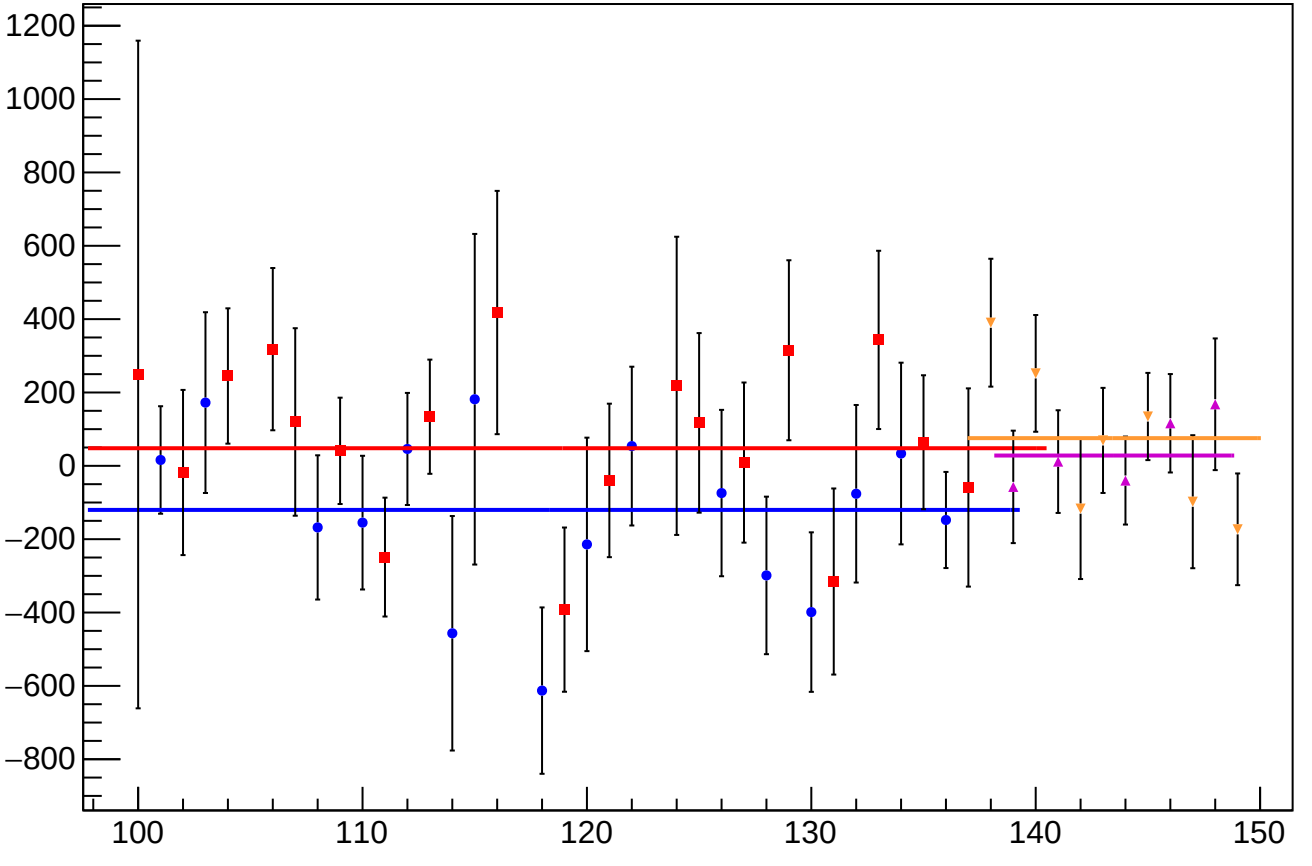
In: 292.756+/-355.649 χ^2/NDF:26.9/20

Out: -192.124+/-324.864 χ^2/NDF:43.2/25

All: 28.426+/-239.860 χ^2/NDF: 71.1/46


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1028.646+/-0.319 χ²/NDF:233396.4/6
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1036.829+/-0.357 χ²/NDF:202129.0/4
Left: 1032.280+/-0.238 χ²/NDF: 435817.9/11
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1162.019+/-0.251 χ²/NDF:1617330.1/20
Out: 1118.401+/-0.230 χ²/NDF:1784398.4/25
All: 1138.241+/-0.170 χ²/NDF: 3418127.9/46

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 75.507+/-58.472 χ^2/NDF:9.3/6

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 28.104+/-63.298 χ^2/NDF:1.7/4

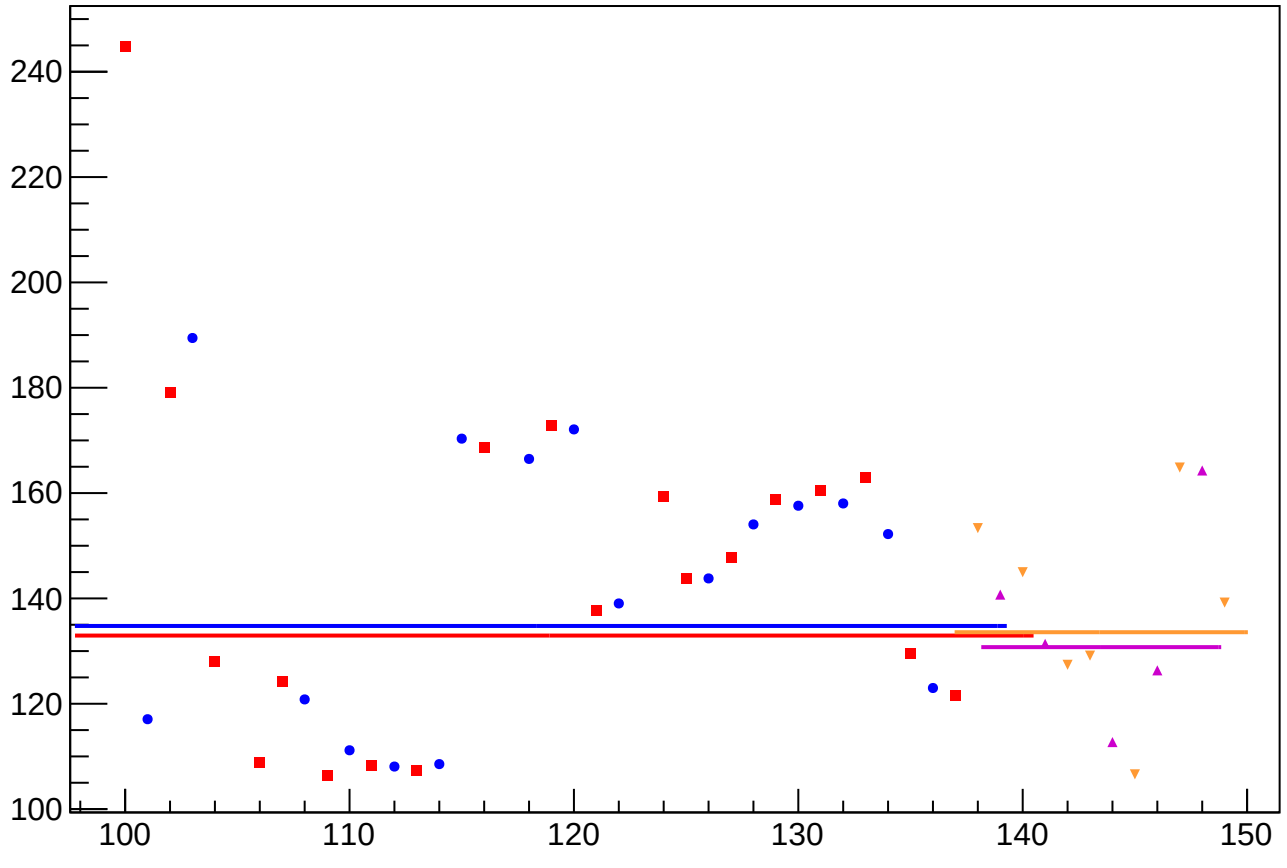
Left: 53.681+/-42.951 χ^2/NDF: 11.3/11

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -61.661+/-39.762 χ^2/NDF:18.4/20

Out: 59.604+/-37.965 χ^2/NDF:26.4/25

All: 1.773+/-27.459 χ^2/NDF: 49.7/46



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 133.583+/-0.041 χ^2/NDF:205185.5/6

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 130.751+/-0.045 χ^2/NDF:125602.3/4

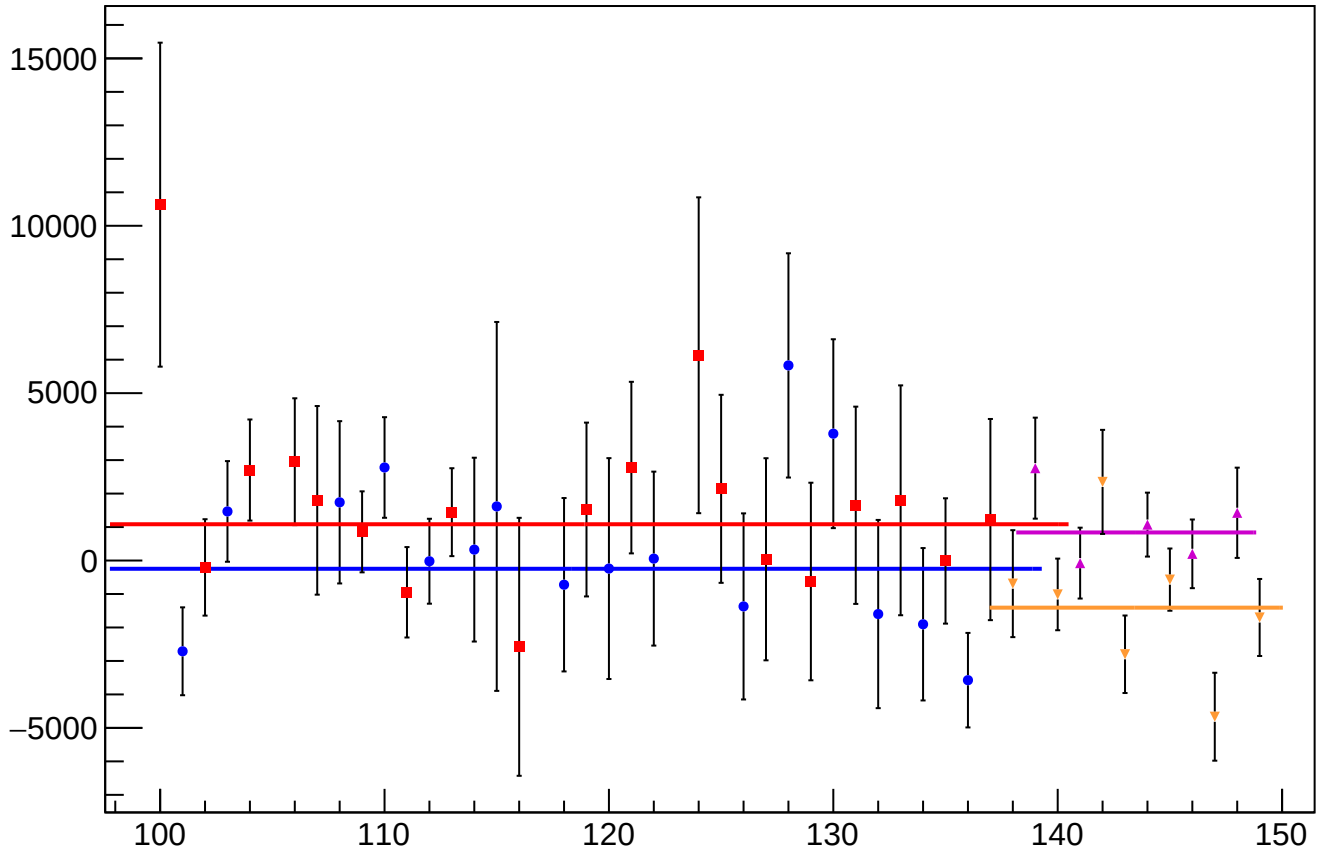
Left: 132.279+/-0.030 χ^2/NDF: 332947.3/11

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 133.185+/-0.028 χ^2/NDF:547268.0/20

Out: 133.215+/-0.027 χ^2/NDF:704172.9/25

All: 133.201+/-0.019 χ^2/NDF: 1251441.4/46



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1407.762+/-450.951 χ^2/NDF:14.7/6

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 838.604+/-504.529 χ^2/NDF:3.0/4

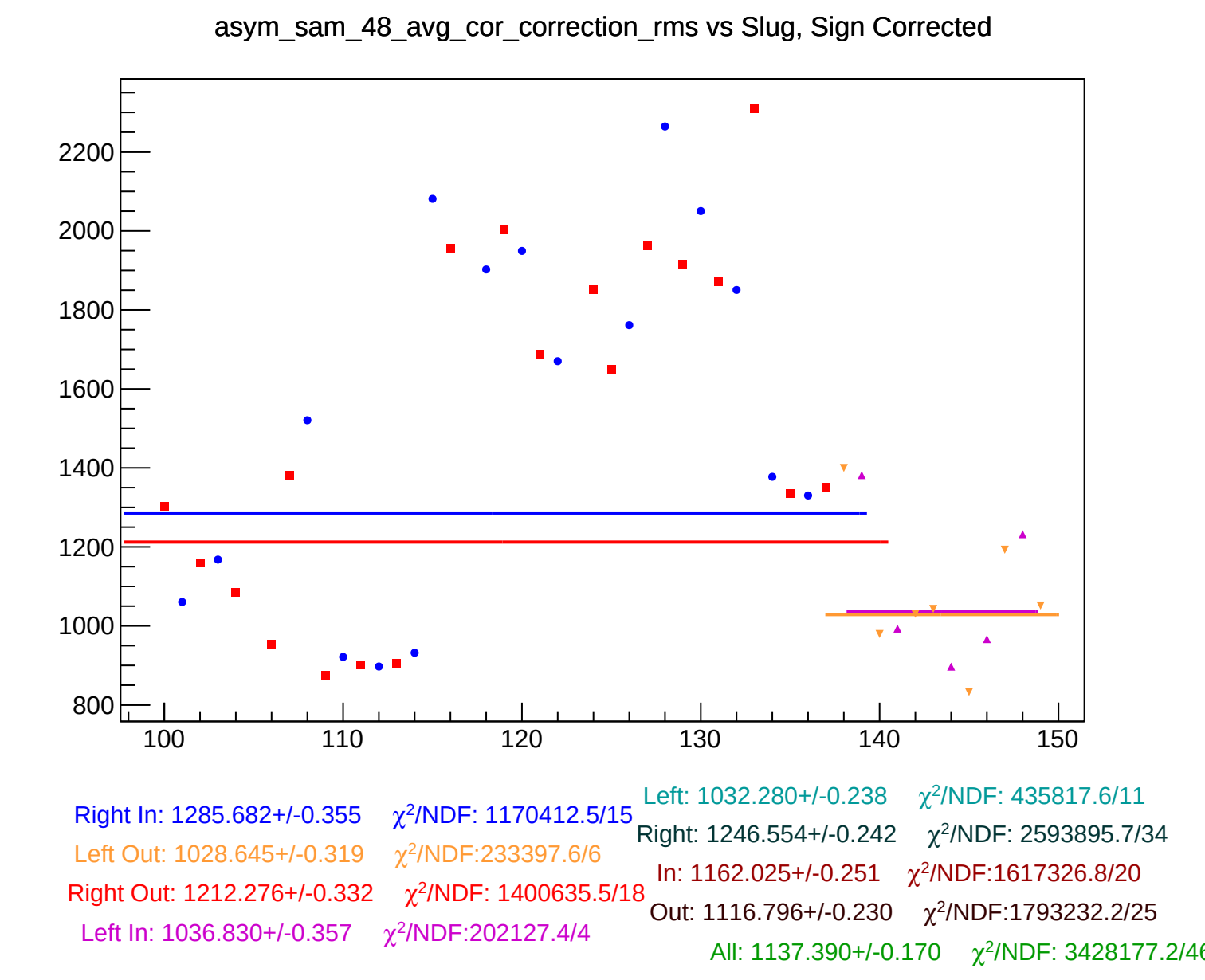
Left: -410.147+/-336.223 χ^2/NDF: 28.7/11

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 292.733+/-355.651 χ^2/NDF:26.9/20

Out: -211.561+/-325.172 χ^2/NDF:42.1/25

All: 18.055+/-239.984 χ^2/NDF: 70.1/46


asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
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1600
1400
1200
1000
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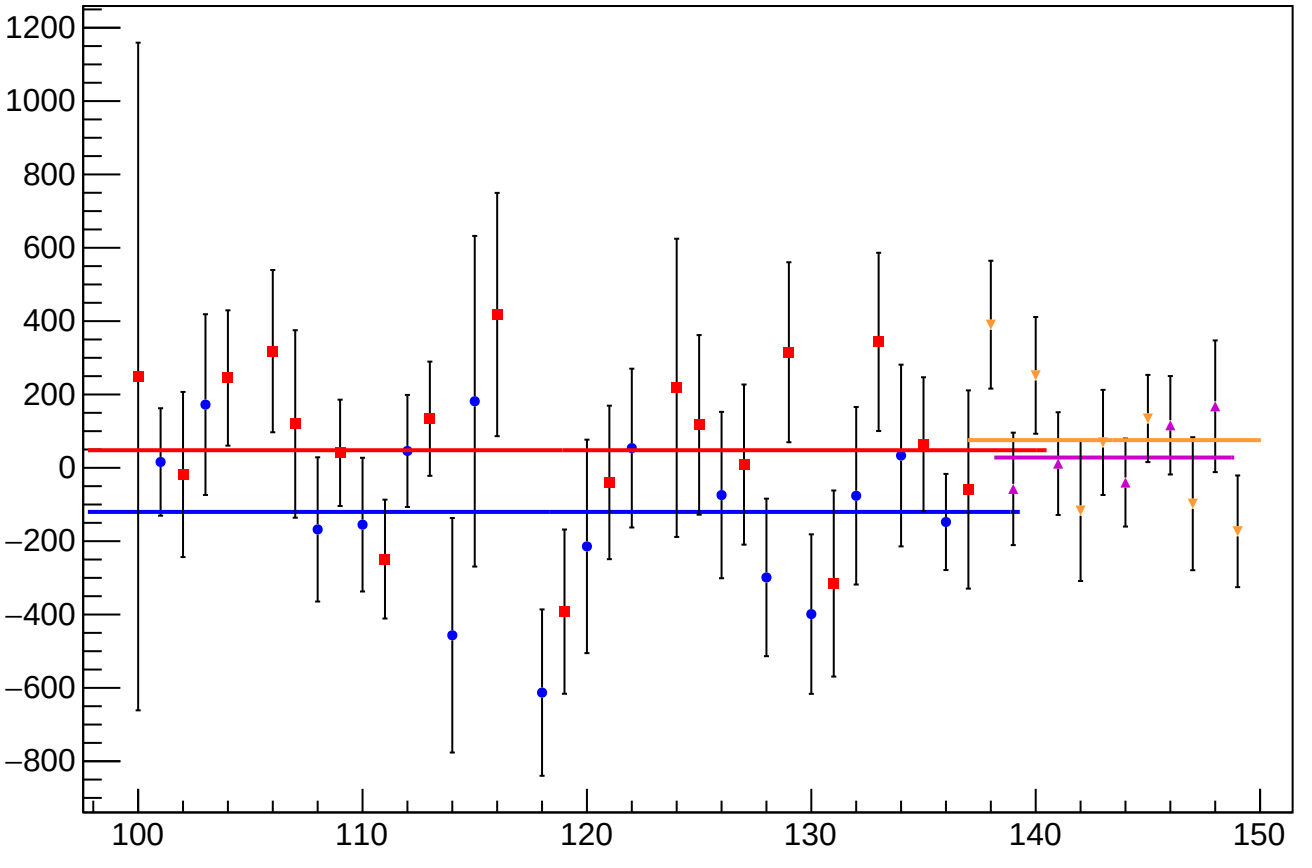
110
120
130
140
150
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1028.645+/-0.319 χ²/NDF:233397.6/6
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1036.830+/-0.357 χ²/NDF:202127.4/4
Left: 1032.280+/-0.238 χ²/NDF: 435817.6/11
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1162.025+/-0.251 χ²/NDF:1617326.8/20
Out: 1116.796+/-0.230 χ²/NDF:1793232.2/25
All: 1137.390+/-0.170 χ²/NDF: 3428177.2/46



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 75.507+/-58.472 χ^2/NDF:9.3/6

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 28.104+/-63.298 χ^2/NDF:1.7/4

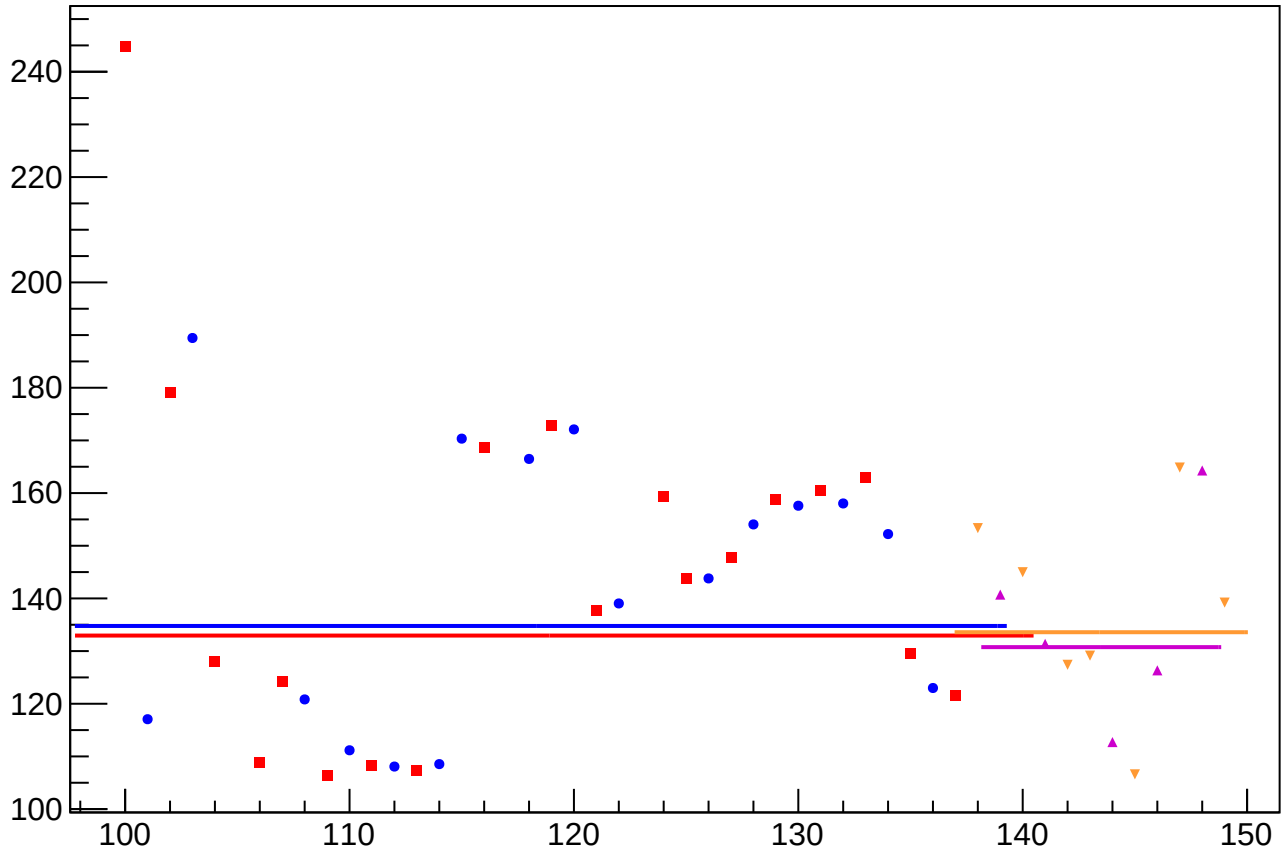
Left: 53.681+/-42.951 χ^2/NDF: 11.3/11

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -61.661+/-39.762 χ^2/NDF:18.4/20

Out: 59.604+/-37.965 χ^2/NDF:26.4/25

All: 1.773+/-27.459 χ^2/NDF: 49.7/46



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 133.583+/-0.041 χ^2/NDF:205185.5/6

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: 132.279+/-0.030 χ^2/NDF: 332947.3/11

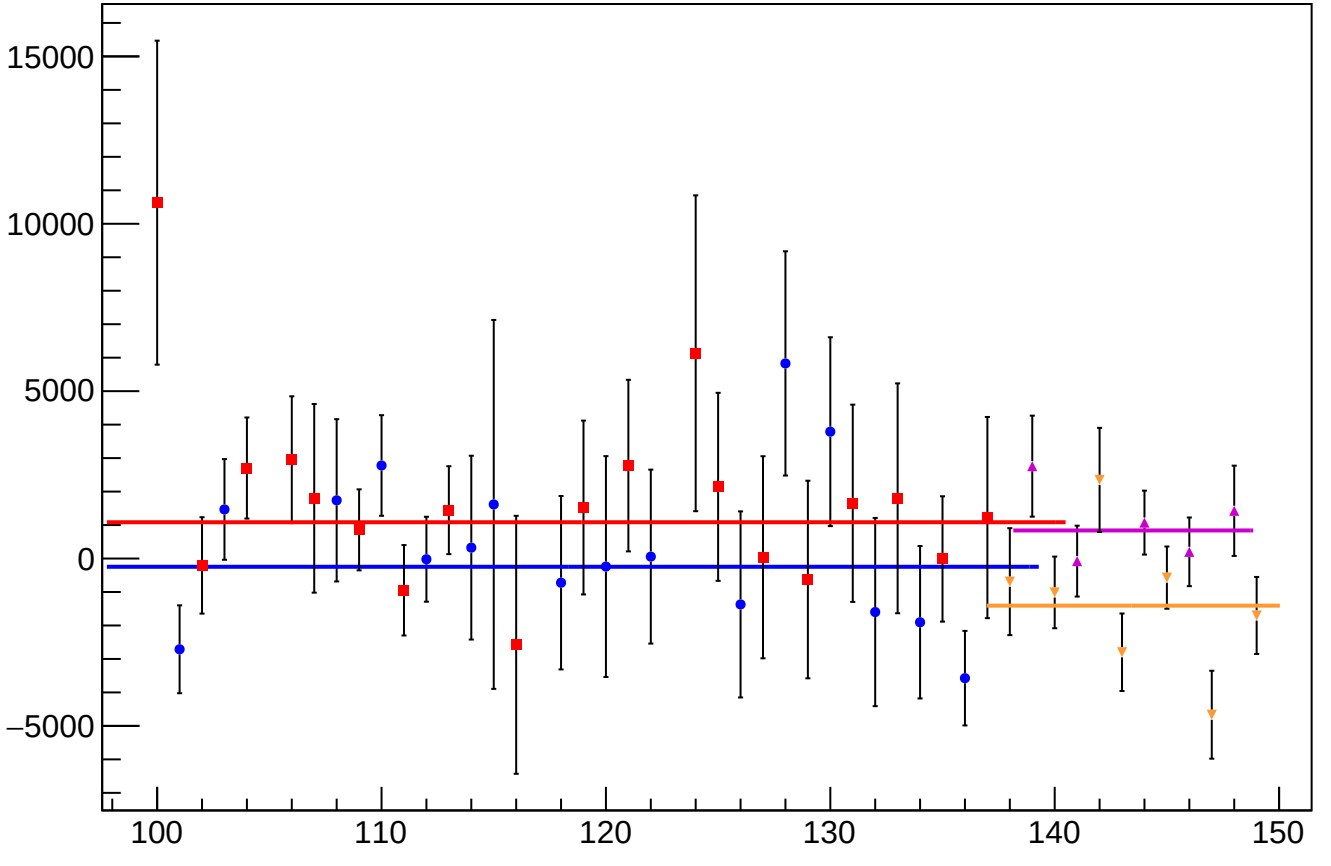
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 133.185+/-0.028 χ^2/NDF:547268.0/20

Out: 133.215+/-0.027 χ^2/NDF:704172.9/25

All: 133.201+/-0.019 χ^2/NDF: 1251441.4/46

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: -1407.762+/-450.951 χ^2/NDF:14.7/6

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 838.604+/-504.529 χ^2/NDF:3.0/4

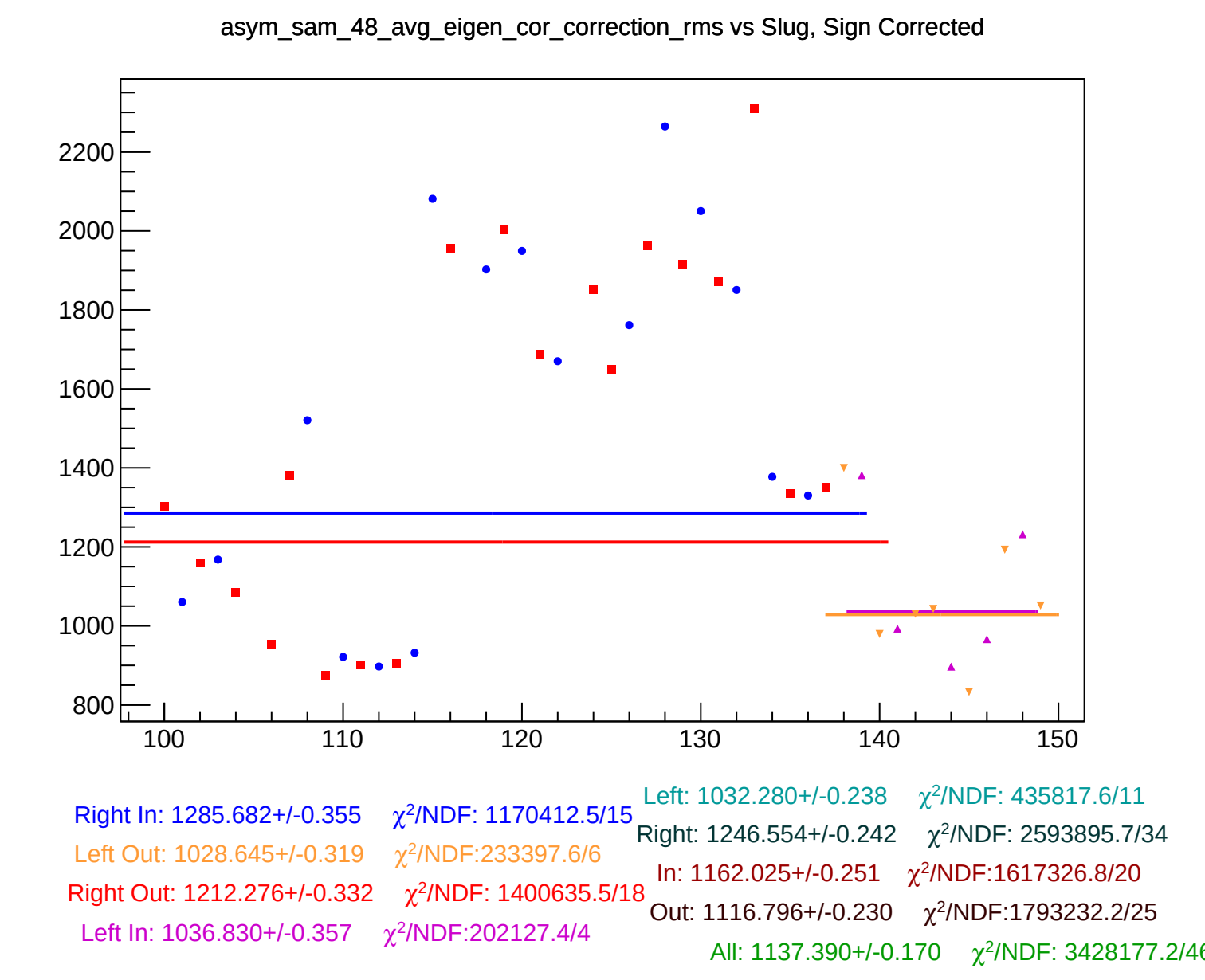
Left: -410.147+/-336.223 χ^2/NDF: 28.7/11

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 292.733+/-355.651 χ^2/NDF:26.9/20

Out: -211.561+/-325.172 χ^2/NDF:42.1/25

All: 18.055+/-239.984 χ^2/NDF: 70.1/46


asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
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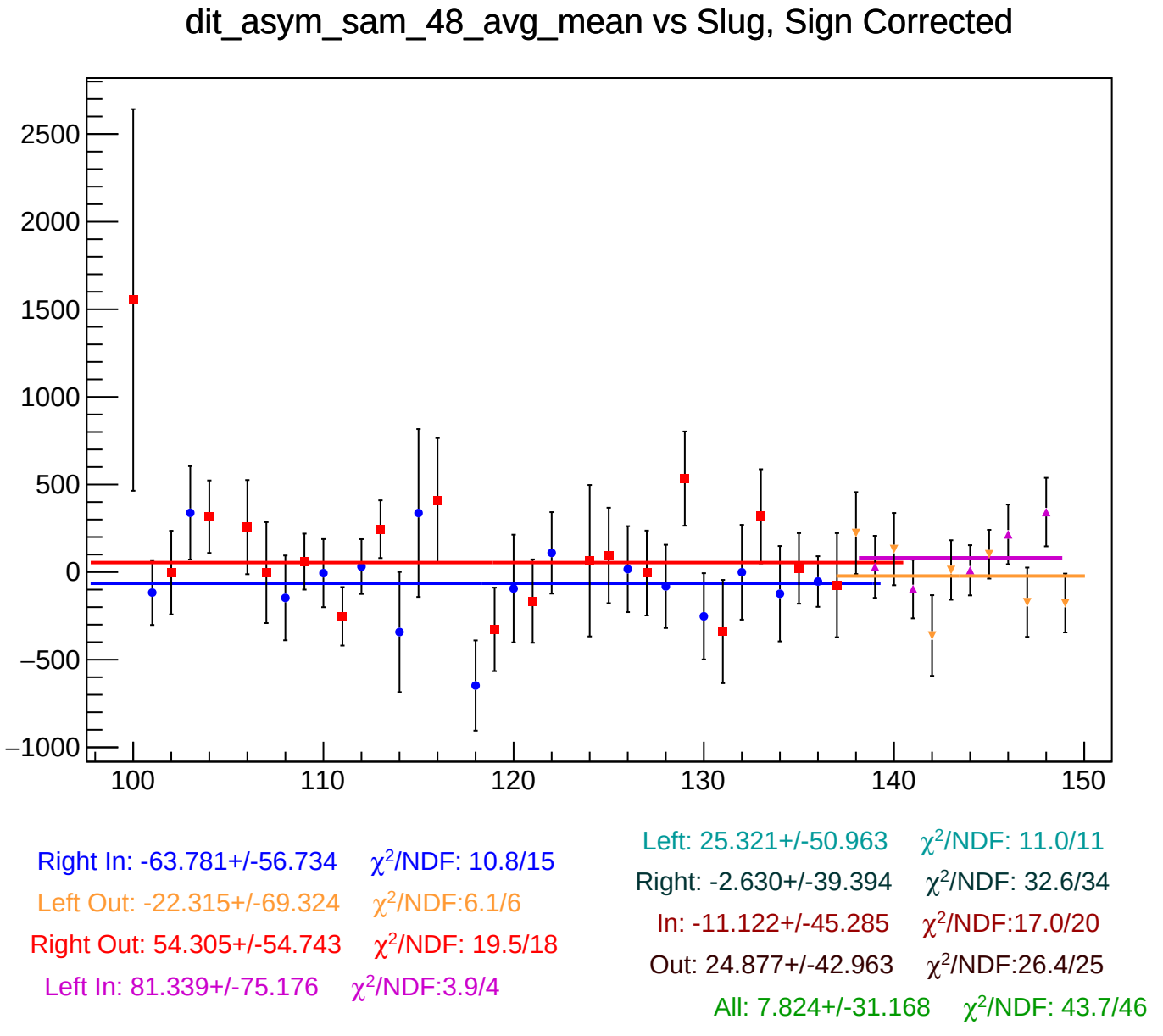
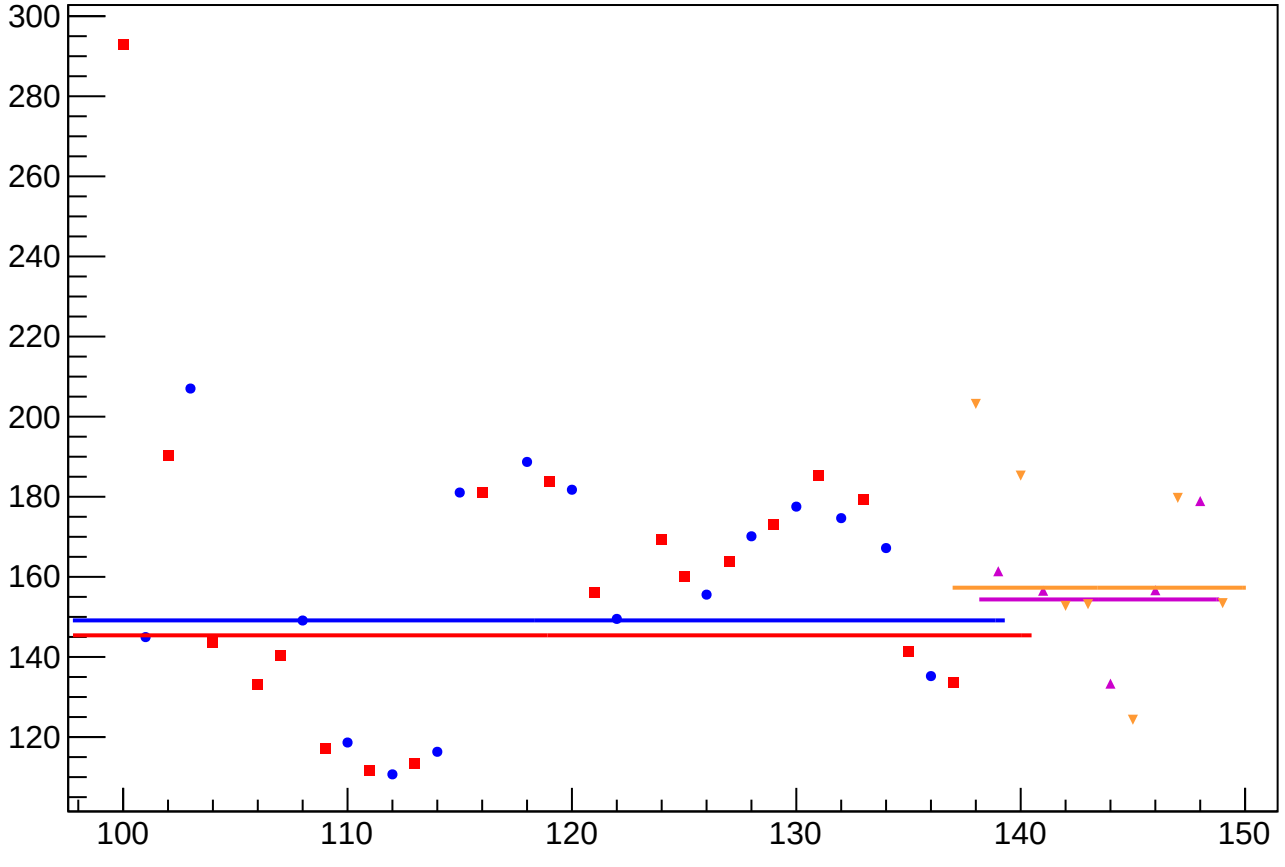
140
150
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1028.645+/-0.319 χ²/NDF:233397.6/6
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1036.830+/-0.357 χ²/NDF:202127.4/4
Left: 1032.280+/-0.238 χ²/NDF: 435817.6/11
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1162.025+/-0.251 χ²/NDF:1617326.8/20
Out: 1116.796+/-0.230 χ²/NDF:1793232.2/25
All: 1137.390+/-0.170 χ²/NDF: 3428177.2/46


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: -22.315+/-69.324 χ²/NDF:6.1/6
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 81.339+/-75.176 χ²/NDF:3.9/4
Left: 25.321+/-50.963 χ²/NDF: 11.0/11
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: -11.122+/-45.285 χ²/NDF:17.0/20
Out: 24.877+/-42.963 χ²/NDF:26.4/25
All: 7.824+/-31.168 χ²/NDF: 43.7/46

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 157.295+/-0.049 χ^2/NDF:254903.3/6

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 154.362+/-0.053 χ^2/NDF:78487.9/4

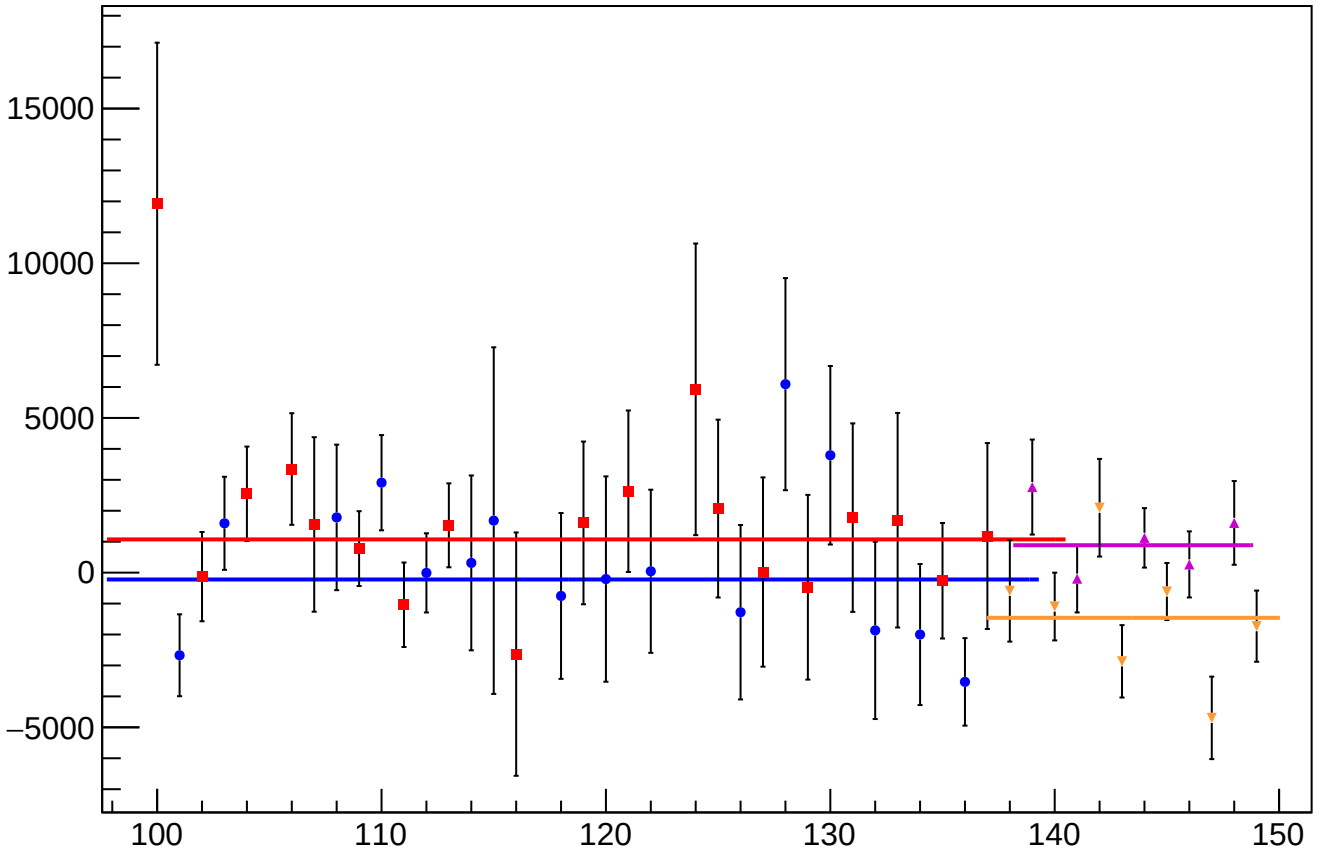
Left: 155.947+/-0.036 χ^2/NDF: 335036.4/11

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 151.029+/-0.032 χ^2/NDF:535662.1/20

Out: 149.968+/-0.030 χ^2/NDF:816993.8/25

All: 150.470+/-0.022 χ^2/NDF: 1353233.4/46



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1459.828+/-455.026 χ^2/NDF:13.7/6

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 886.036+/-515.149 χ^2/NDF:3.2/4

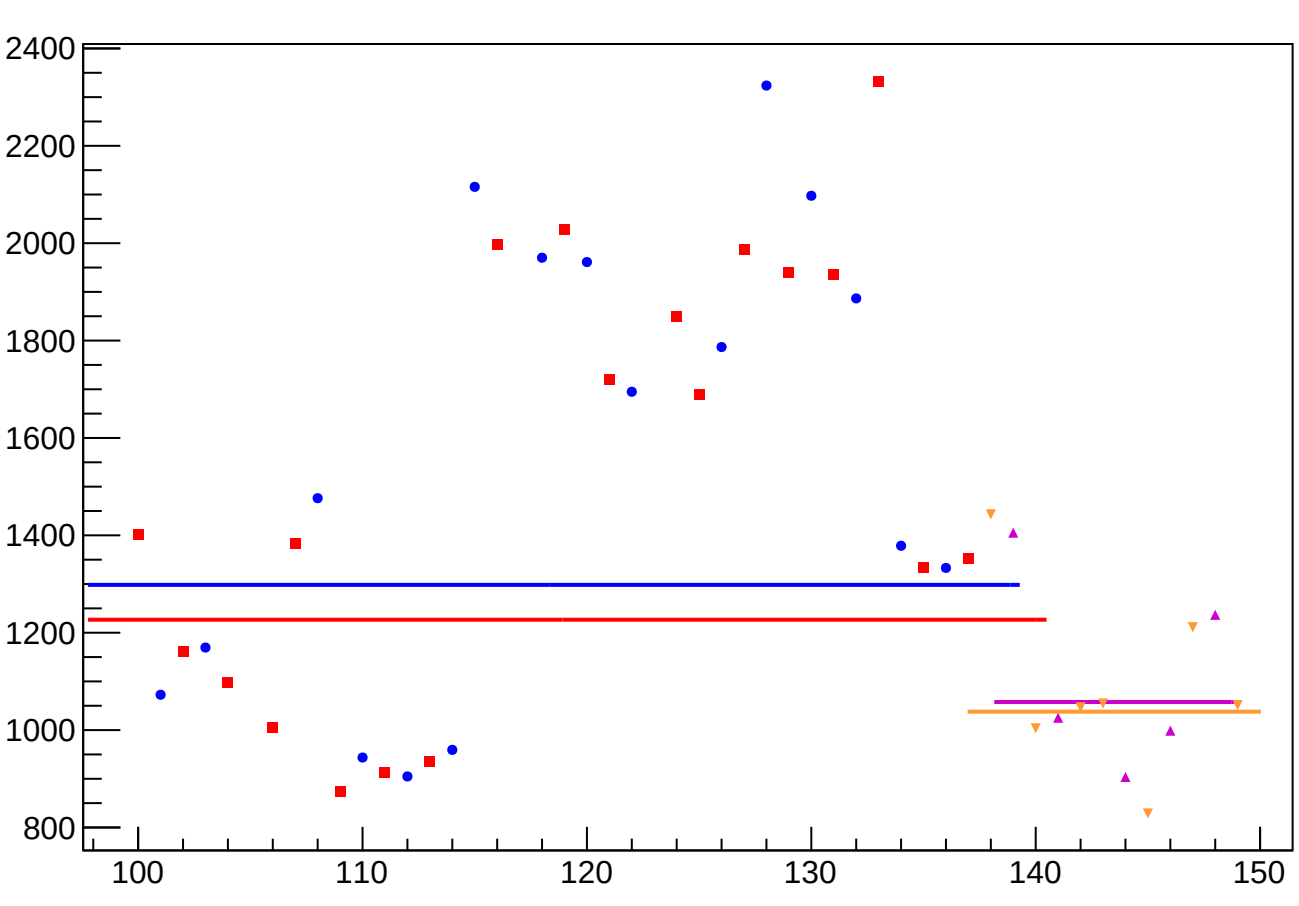
Left: -431.714+/-341.037 χ^2/NDF: 28.5/11

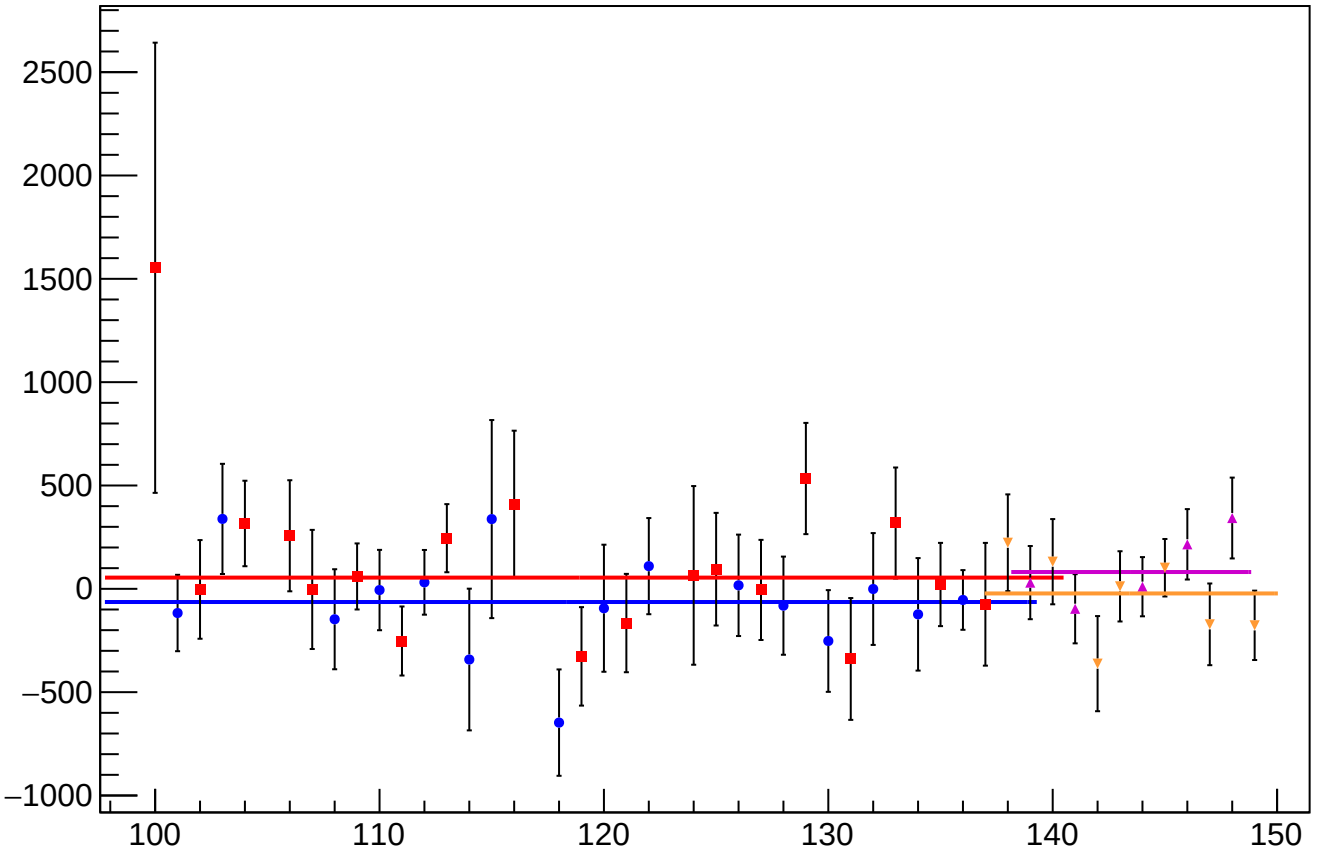
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 322.699+/-361.060 χ^2/NDF:27.4/20

Out: -241.270+/-327.861 χ^2/NDF:42.2/25

All: 13.600+/-242.723 χ^2/NDF: 70.9/46


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1298.293+/-0.358 χ²/NDF: 1182123.0/15
Left Out: 1037.858+/-0.322 χ²/NDF:261091.4/6
Right Out: 1226.729+/-0.334 χ²/NDF: 1404521.7/18
Left In: 1057.718+/-0.364 χ²/NDF:196827.2/4
Left: 1046.562+/-0.241 χ²/NDF: 459588.2/11
Right: 1260.073+/-0.244 χ²/NDF: 2607993.3/34
In: 1180.113+/-0.255 χ²/NDF:1600861.3/20
Out: 1128.674+/-0.232 χ²/NDF:1831296.0/25
All: 1151.920+/-0.172 χ²/NDF: 3454405.9/46



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -22.316+/-69.325 χ^2/NDF:6.1/6

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 81.339+/-75.176 χ^2/NDF:3.9/4

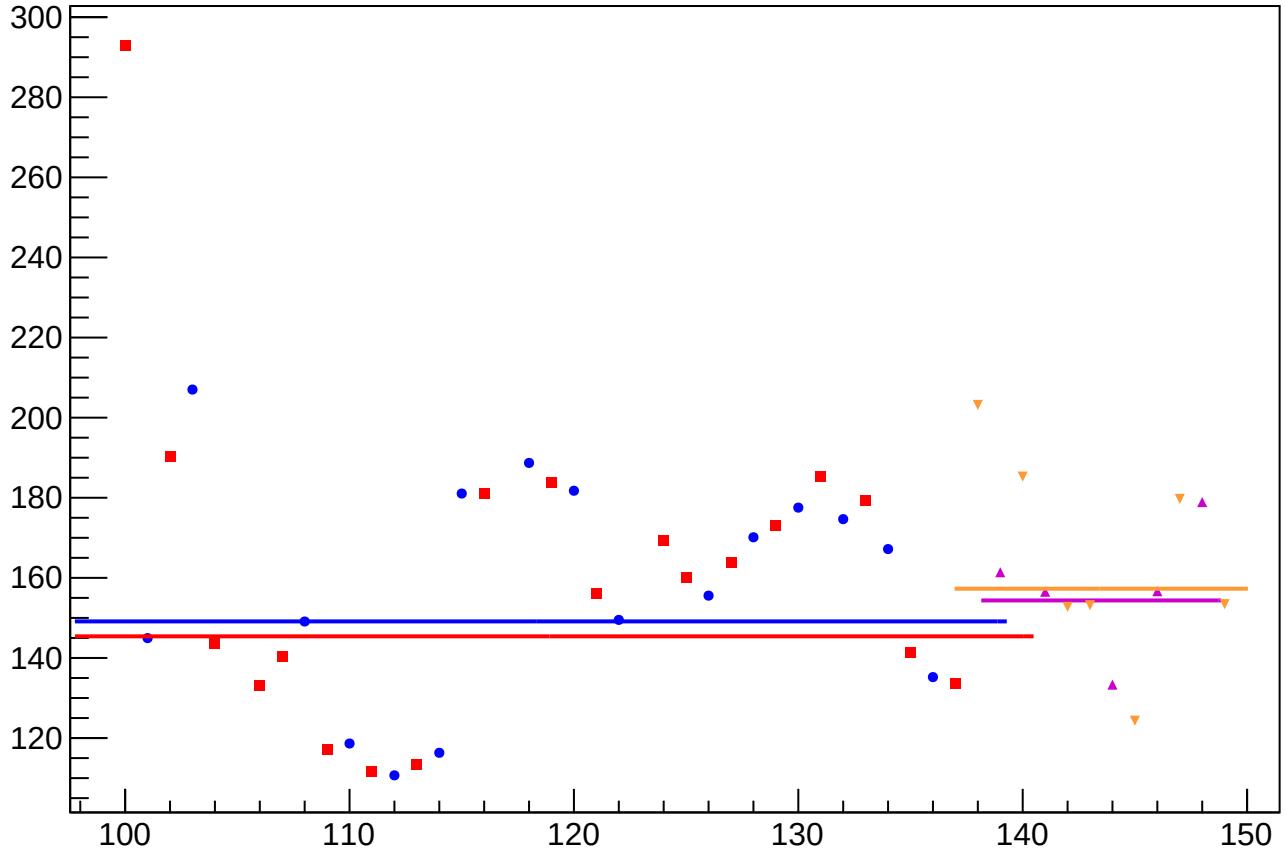
Left: 25.321+/-50.963 χ^2/NDF: 11.0/11

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -11.120+/-45.285 χ^2/NDF:17.0/20

Out: 24.877+/-42.963 χ^2/NDF:26.4/25

All: 7.825+/-31.168 χ^2/NDF: 43.7/46



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 157.295+/-0.049 χ^2/NDF:254897.3/6

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.362+/-0.053 χ^2/NDF:78486.3/4

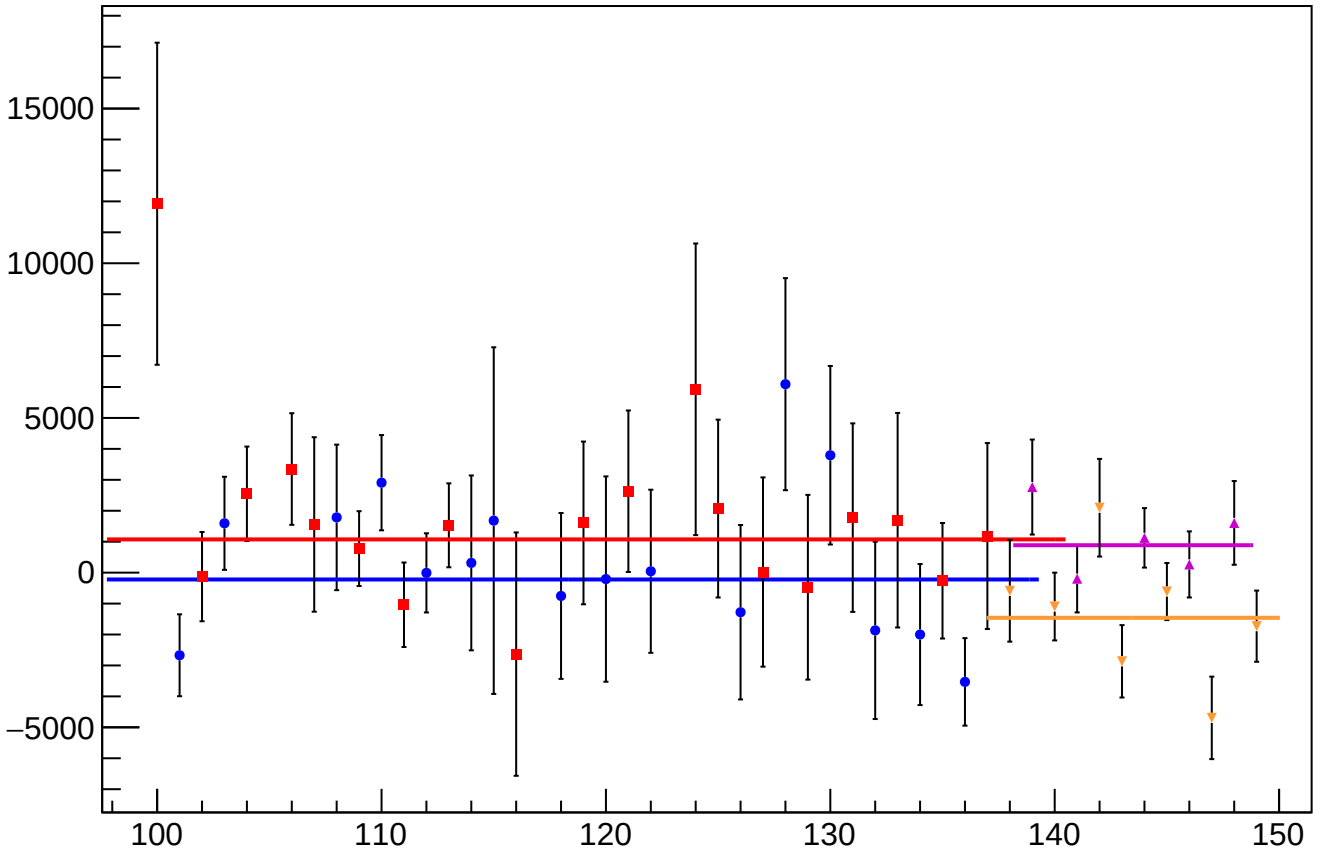
Left: 155.947+/-0.036 χ^2/NDF: 335028.8/11

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 151.029+/-0.032 χ^2/NDF:535662.9/20

Out: 149.968+/-0.030 χ^2/NDF:816992.9/25

All: 150.470+/-0.022 χ^2/NDF: 1353233.3/46



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1459.827+/-455.026 χ^2/NDF:13.7/6

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 886.036+/-515.148 χ^2/NDF:3.2/4

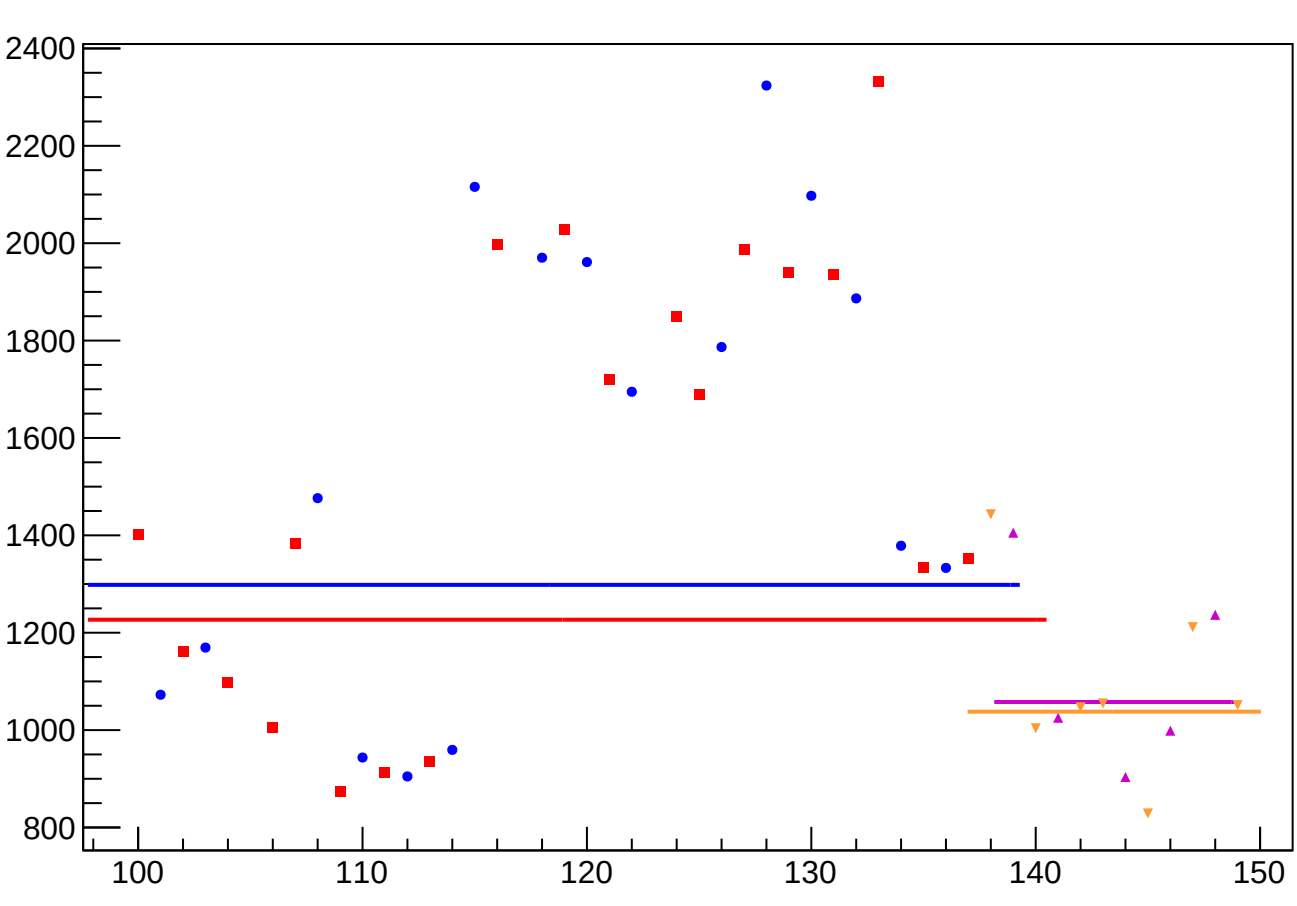
Left: -431.714+/-341.037 χ^2/NDF: 28.5/11

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 322.699+/-361.060 χ^2/NDF:27.4/20

Out: -241.271+/-327.861 χ^2/NDF:42.2/25

All: 13.600+/-242.723 χ^2/NDF: 70.9/46



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1037.857+/-0.322 χ^2/NDF:261093.7/6

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1057.717+/-0.364 χ^2/NDF:196827.6/4

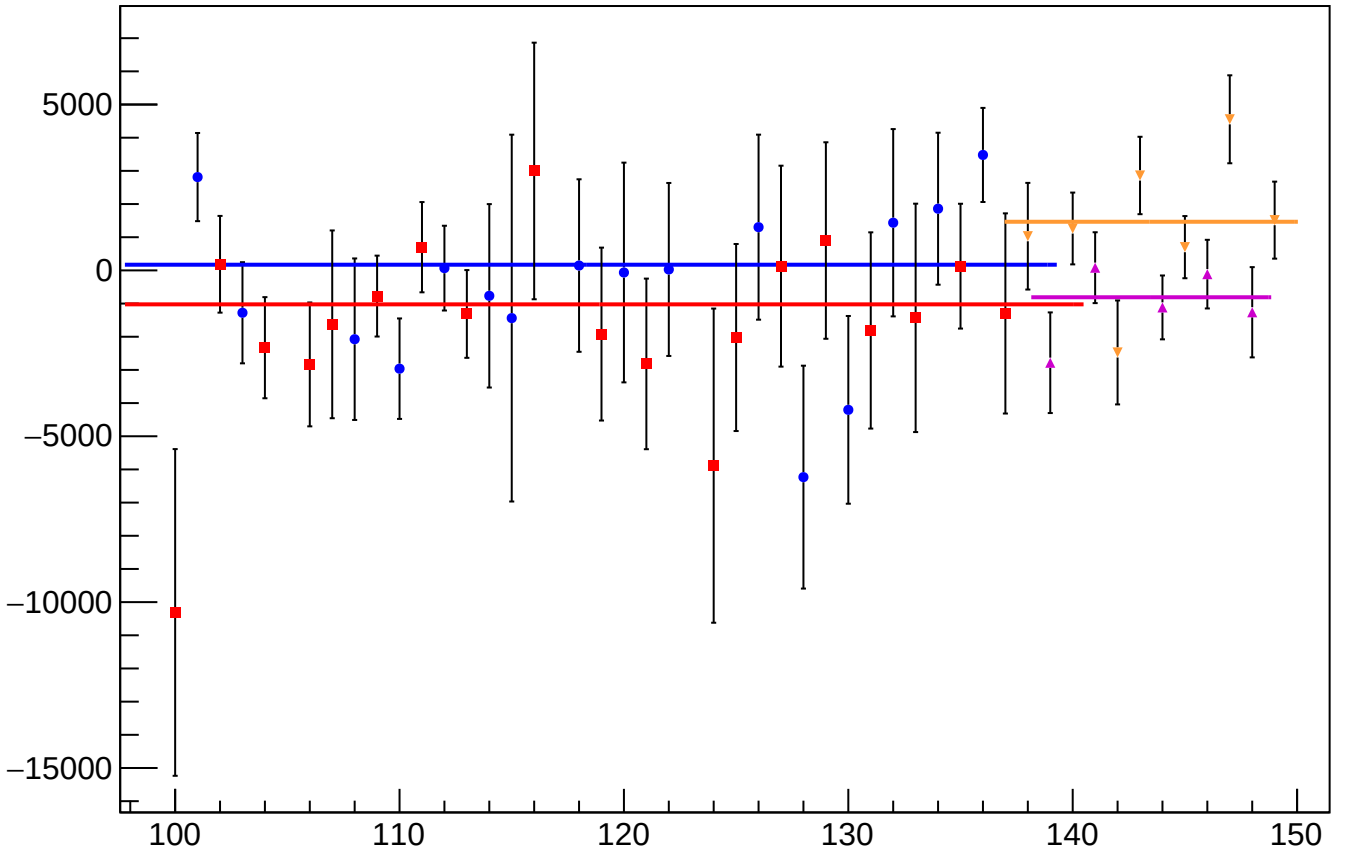
Left: 1046.561+/-0.241 χ^2/NDF: 459591.1/11

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1180.112+/-0.255 χ^2/NDF:1600865.4/20

Out: 1128.672+/-0.232 χ^2/NDF:1831301.8/25

All: 1151.919+/-0.172 χ^2/NDF: 3454416.1/46



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1466.106+/-454.894 χ^2/NDF:14.0/6

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: 454.751+/-339.087 χ^2/NDF: 28.1/11

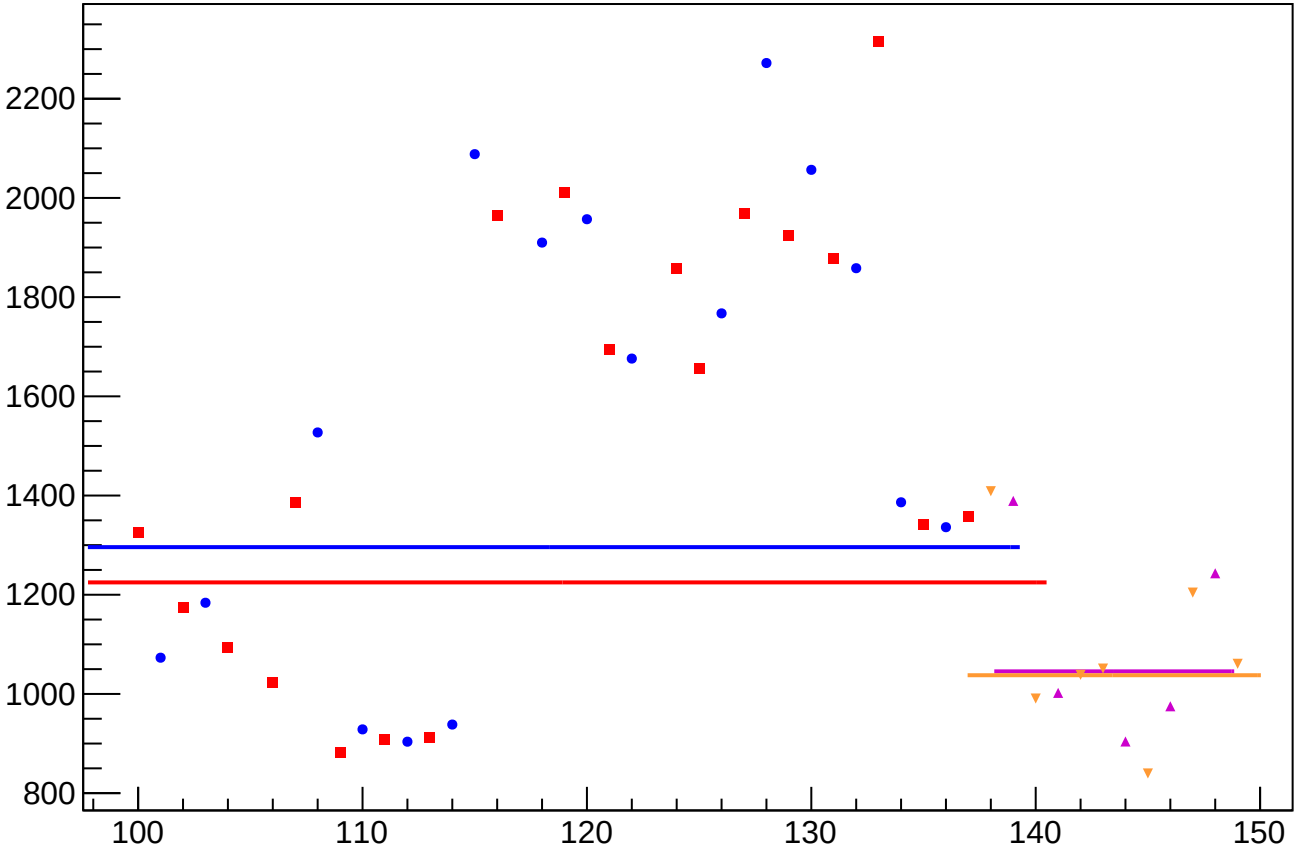
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -316.002+/-358.433 χ^2/NDF:27.5/20

Out: 267.160+/-327.542 χ^2/NDF:39.9/25

All: 1.787+/-241.792 χ^2/NDF: 68.9/46

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1037.729+/-0.322 χ^2/NDF:232255.0/6

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1045.517+/-0.360 χ^2/NDF:200620.0/4

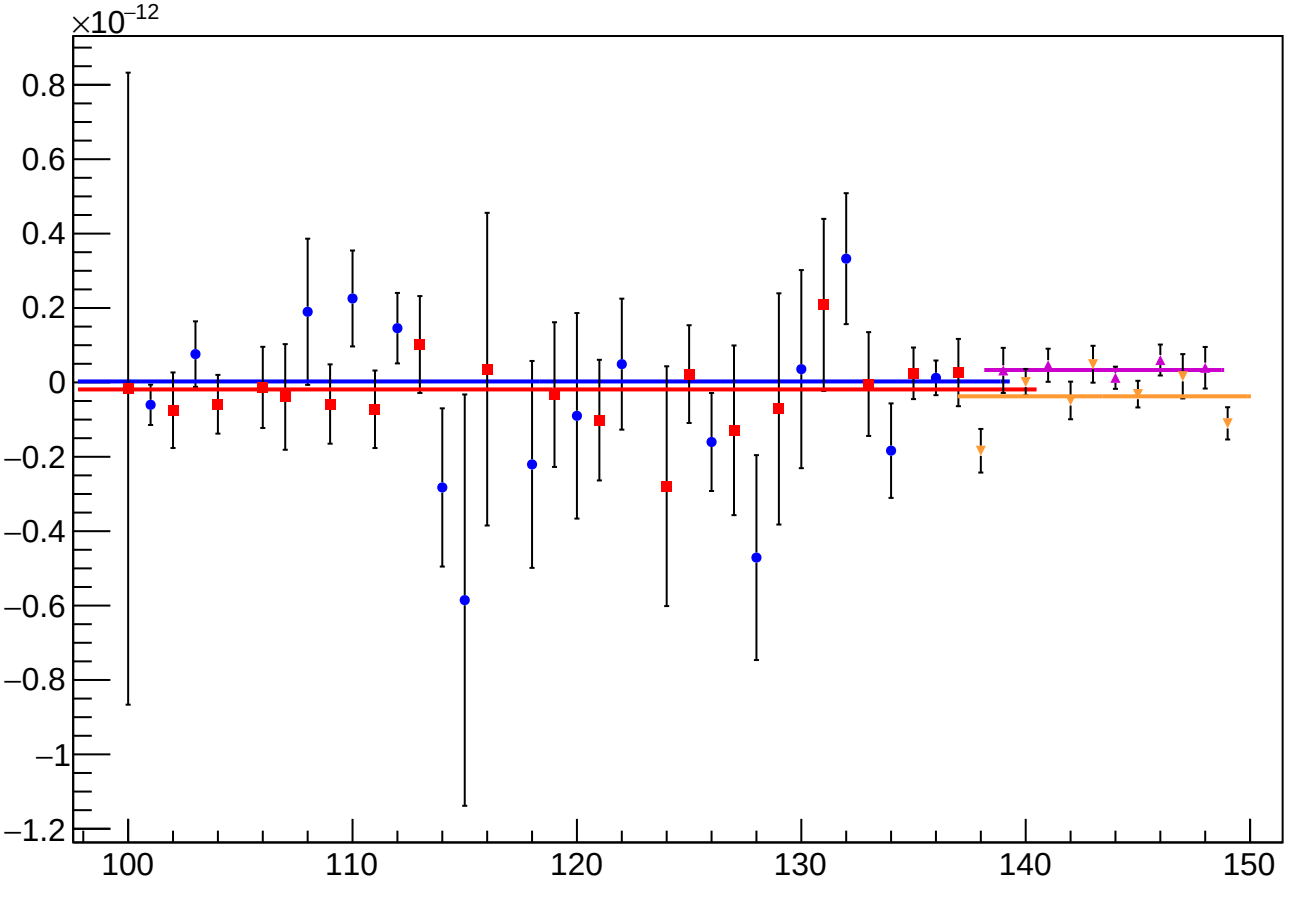
Left: 1041.189+/-0.240 χ^2/NDF: 433135.5/11

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1171.629+/-0.253 χ^2/NDF:1598948.5/20

Out: 1127.846+/-0.232 χ^2/NDF:1766541.7/25

All: 1147.770+/-0.171 χ^2/NDF: 3381752.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/4

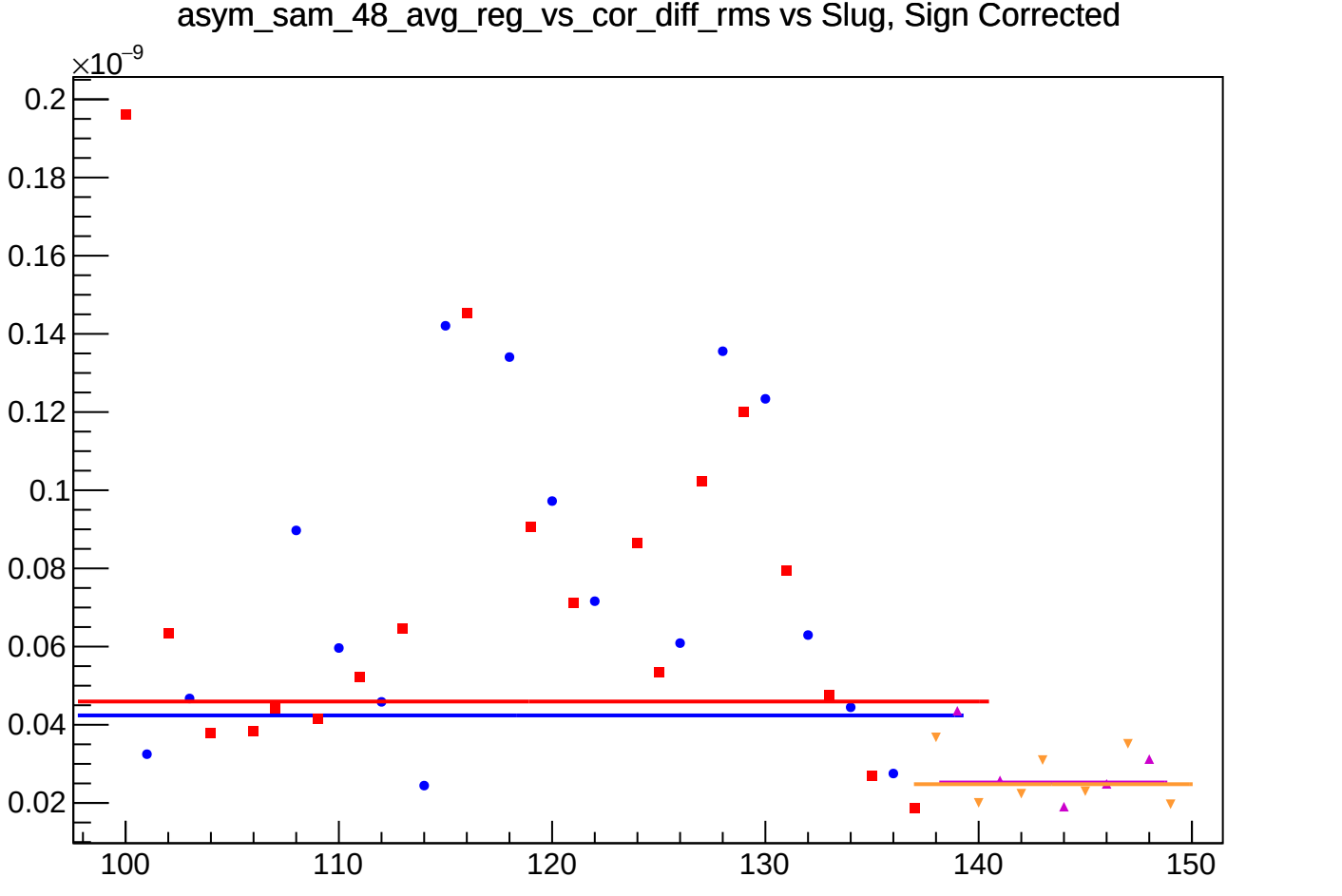
Left: -0.000+/-0.000 χ^2/NDF: 22.9/11

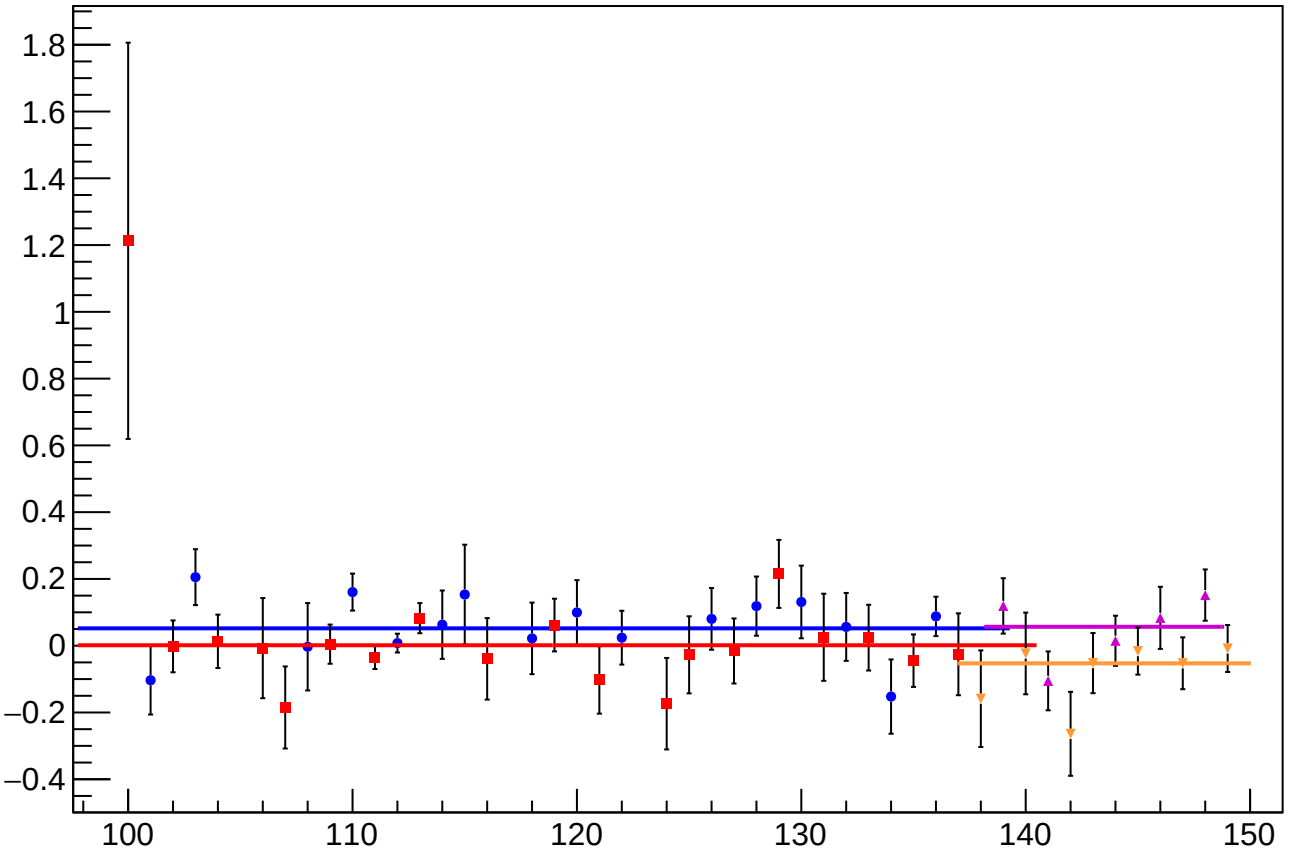
Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.1/20

Out: -0.000+/-0.000 χ^2/NDF:19.2/25

All: -0.000+/-0.000 χ^2/NDF: 50.1/46


asym_sam_48_avg_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: 1341259.3/15
Left Out: 0.000+/-0.000 χ²/NDF:248653.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1118551.4/18
Left In: 0.000+/-0.000 χ²/NDF:292928.5/4
Left: 0.000+/-0.000 χ²/NDF: 542155.1/11
Right: 0.000+/-0.000 χ²/NDF: 2476096.3/34
In: 0.000+/-0.000 χ²/NDF:2181419.6/20
Out: 0.000+/-0.000 χ²/NDF:2164851.8/25
All: 0.000+/-0.000 χ²/NDF: 4348422.9/46



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.053+/-0.034 χ^2/NDF:4.1/6

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.057+/-0.037 χ^2/NDF:5.9/4

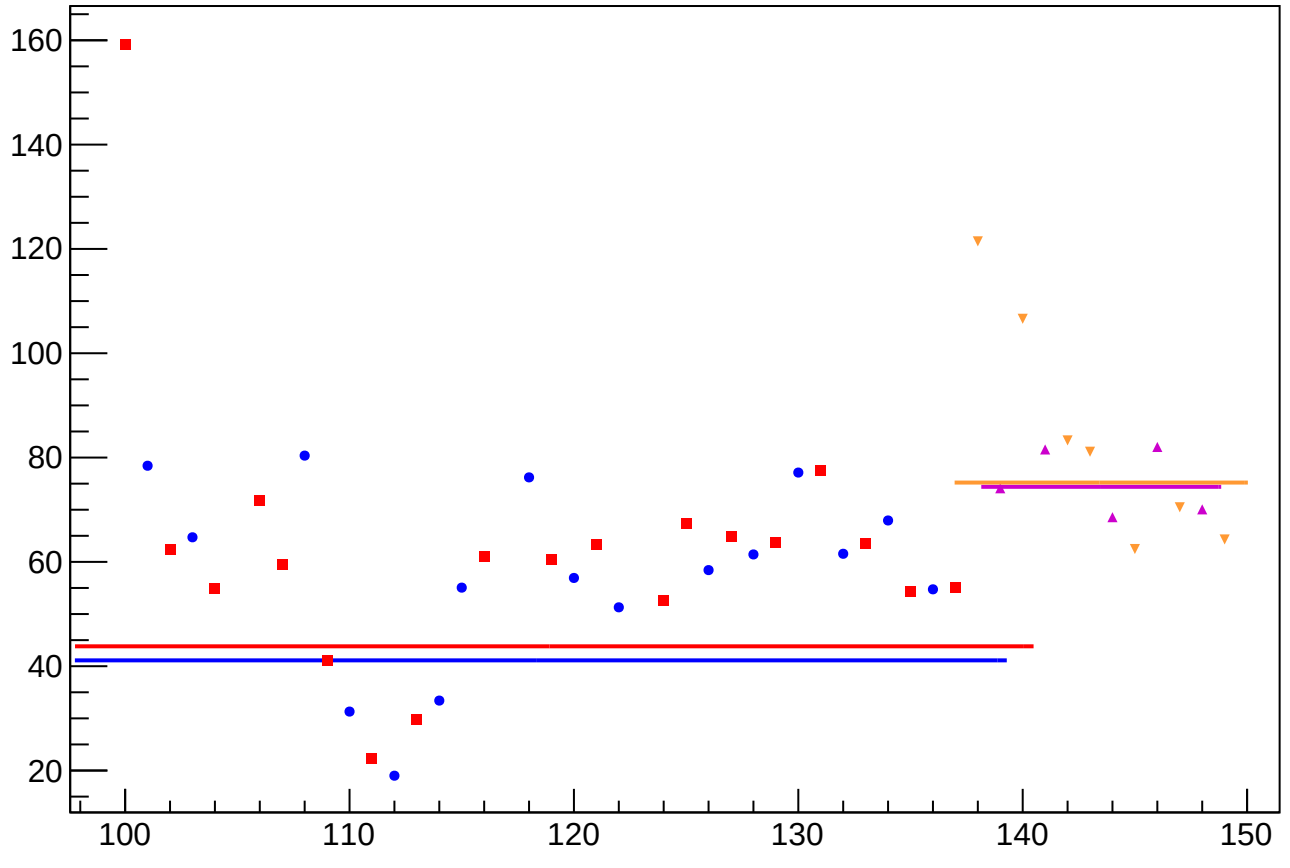
Left: -0.003+/-0.025 χ^2/NDF: 14.7/11

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.010+/-0.016 χ^2/NDF:25.3/25

All: 0.021+/-0.011 χ^2/NDF: 57.1/46



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 75.208+/-0.024 χ^2/NDF:473504.4/6

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

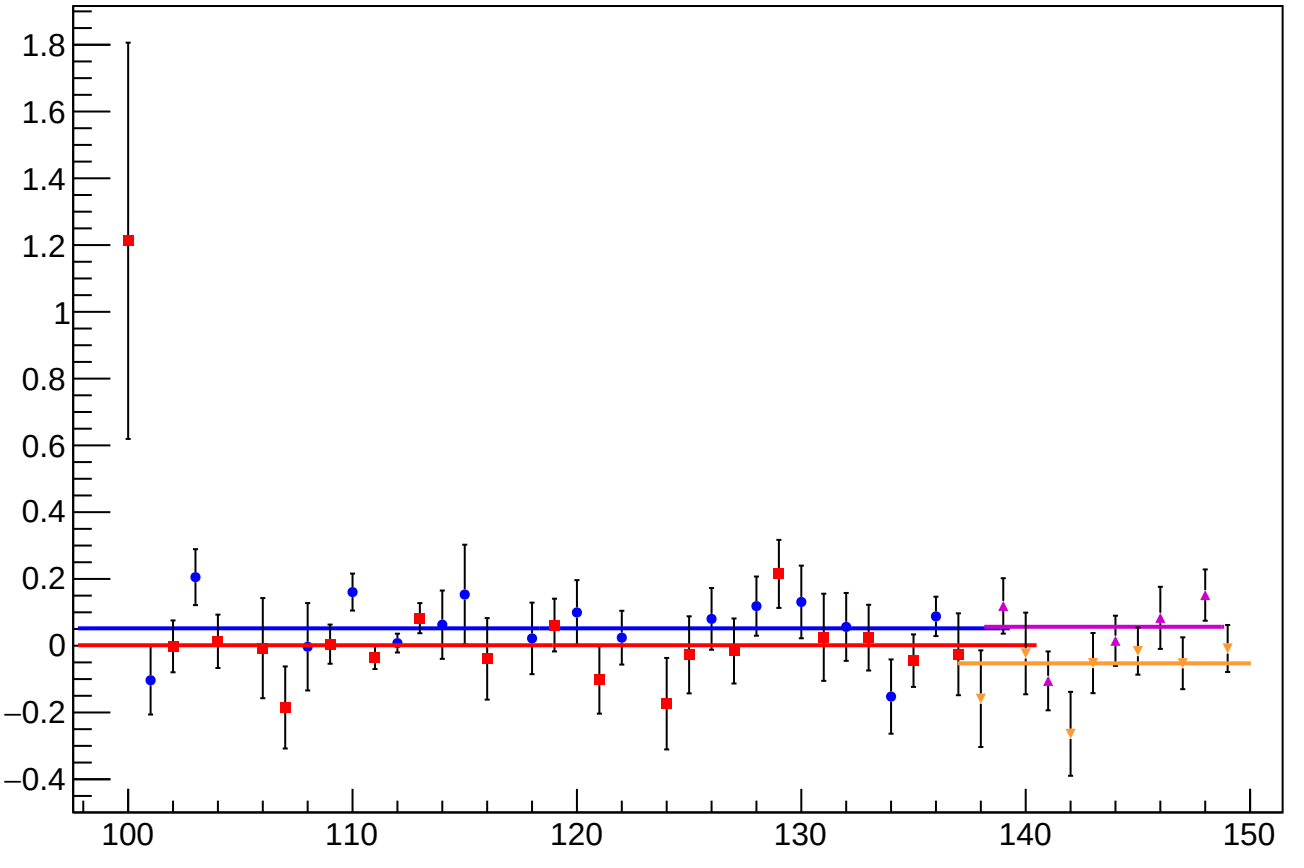
Left: 74.834+/-0.018 χ^2/NDF: 519116.5/11

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 47.398+/-0.011 χ^2/NDF:4292982.8/20

Out: 50.669+/-0.011 χ^2/NDF:3861281.8/25

All: 49.050+/-0.008 χ^2/NDF: 8196441.5/46



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.053+/-0.034 χ^2/NDF:4.1/6

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: -0.003+/-0.025 χ^2/NDF: 14.7/11

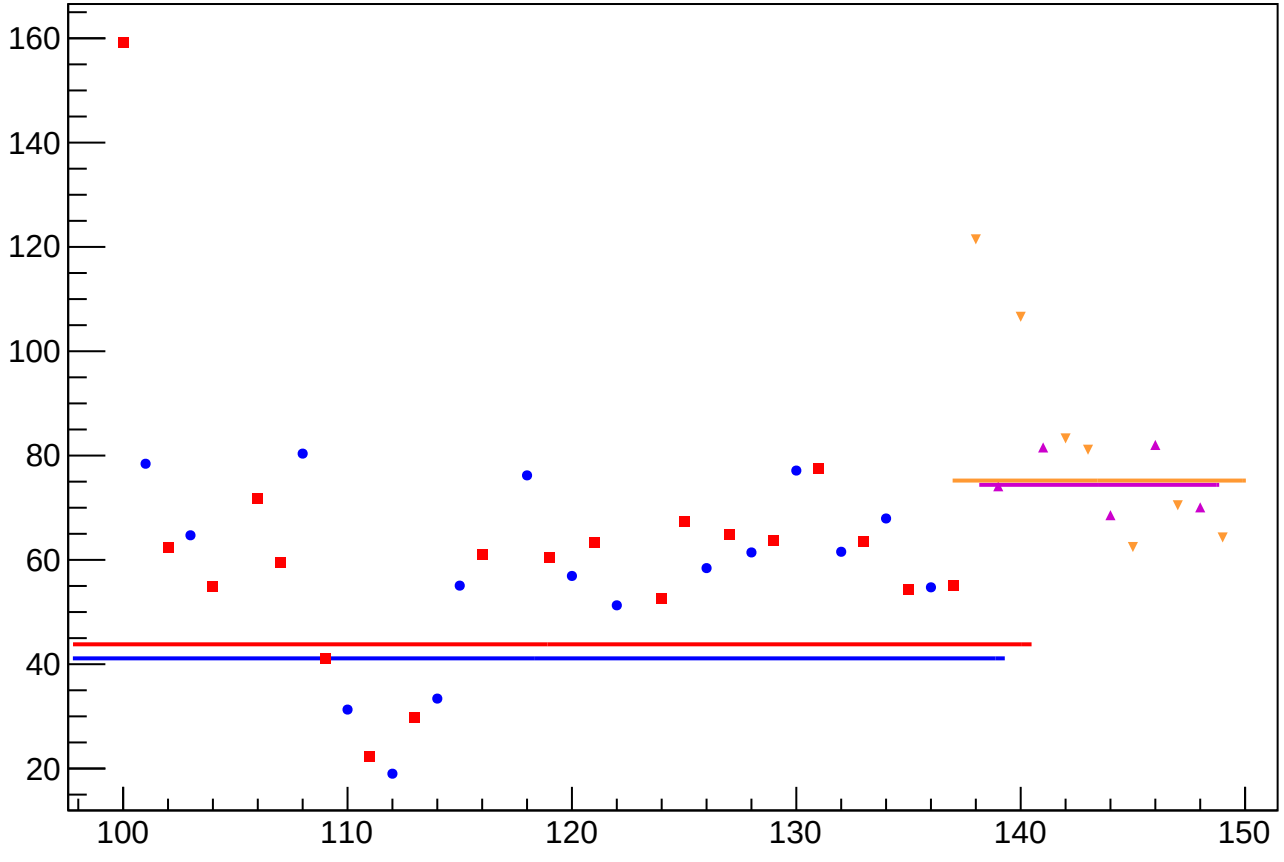
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.010+/-0.016 χ^2/NDF:25.3/25

All: 0.021+/-0.011 χ^2/NDF: 57.1/46

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: 75.208+/-0.024 χ^2/NDF:473504.4/6

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 74.393+/-0.026 χ^2/NDF:45082.4/4

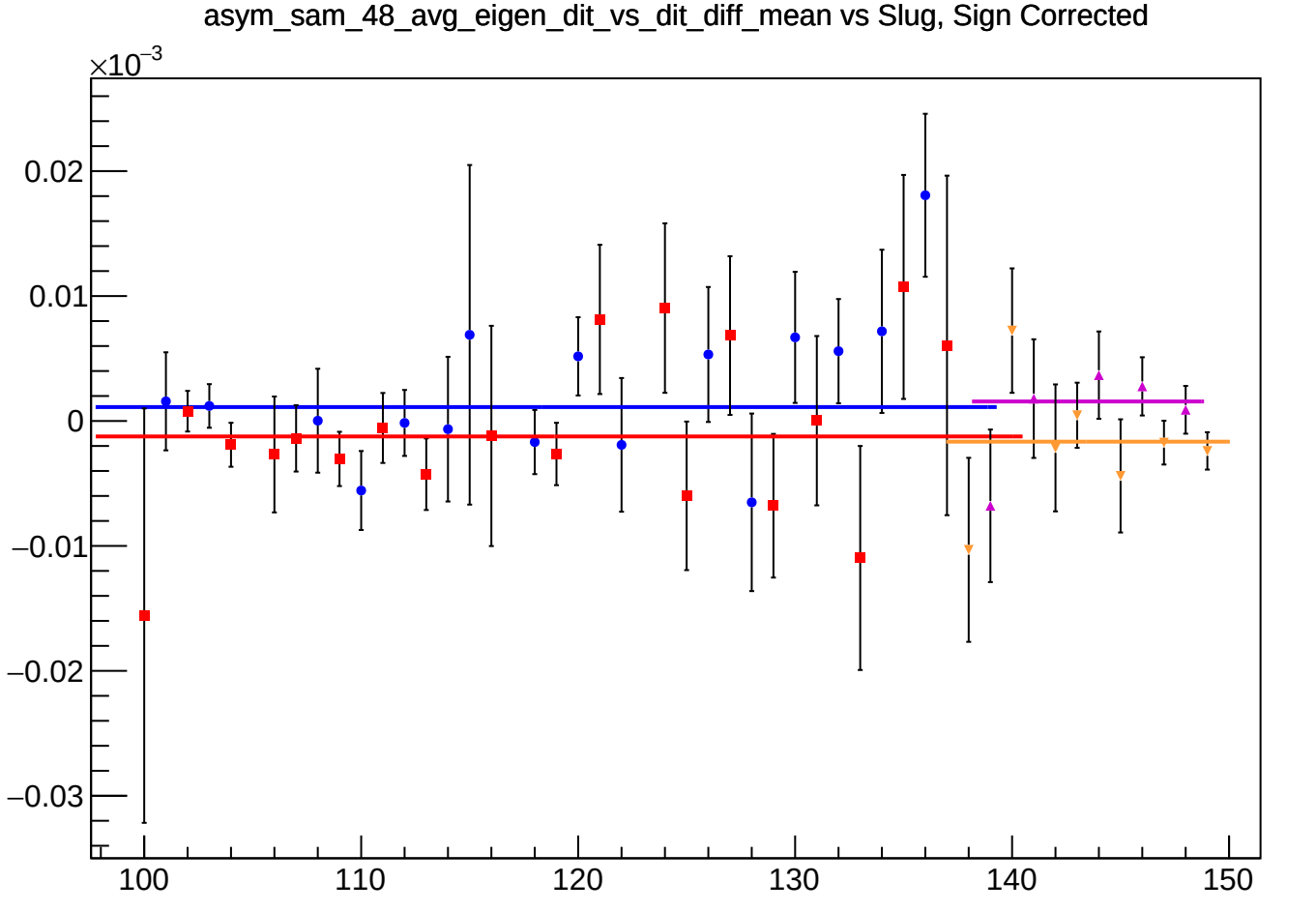
Left: 74.834+/-0.018 χ^2/NDF: 519116.5/11

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 47.398+/-0.011 χ^2/NDF:4292982.8/20

Out: 50.669+/-0.011 χ^2/NDF:3861281.8/25

All: 49.050+/-0.008 χ^2/NDF: 8196441.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/4

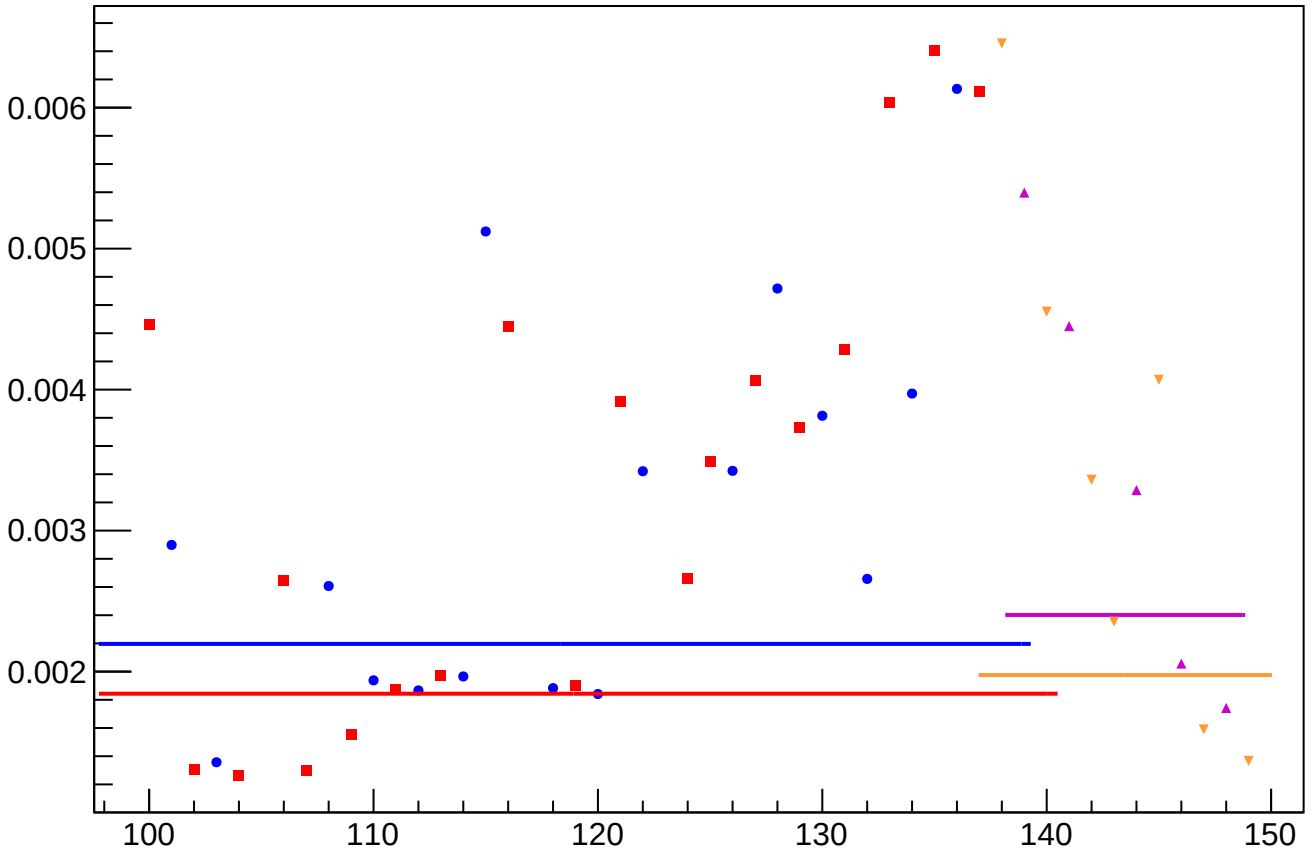
Left: -0.000+/-0.000 χ^2/NDF: 12.5/11

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:22.6/20

Out: -0.000+/-0.000 χ^2/NDF:21.9/25

All: -0.000+/-0.000 χ^2/NDF: 52.3/46



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2322788.4/6

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: 3727955.3/11

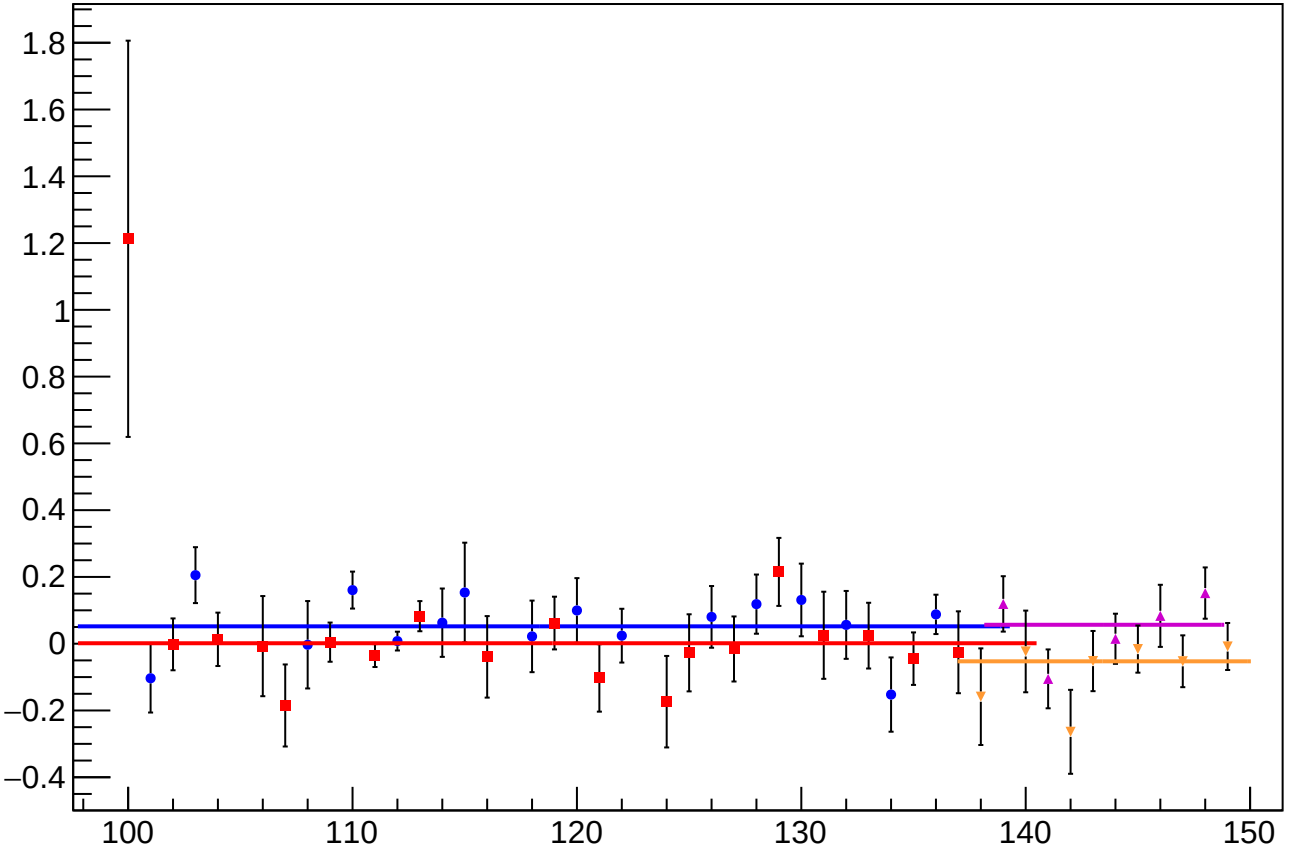
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3591338.7/20

Out: 0.002+/-0.000 χ^2/NDF:5483449.1/25

All: 0.002+/-0.000 χ^2/NDF: 9378264.2/46

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: -0.053+/-0.034 χ^2/NDF:4.1/6

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: -0.003+/-0.025 χ^2/NDF: 14.7/11

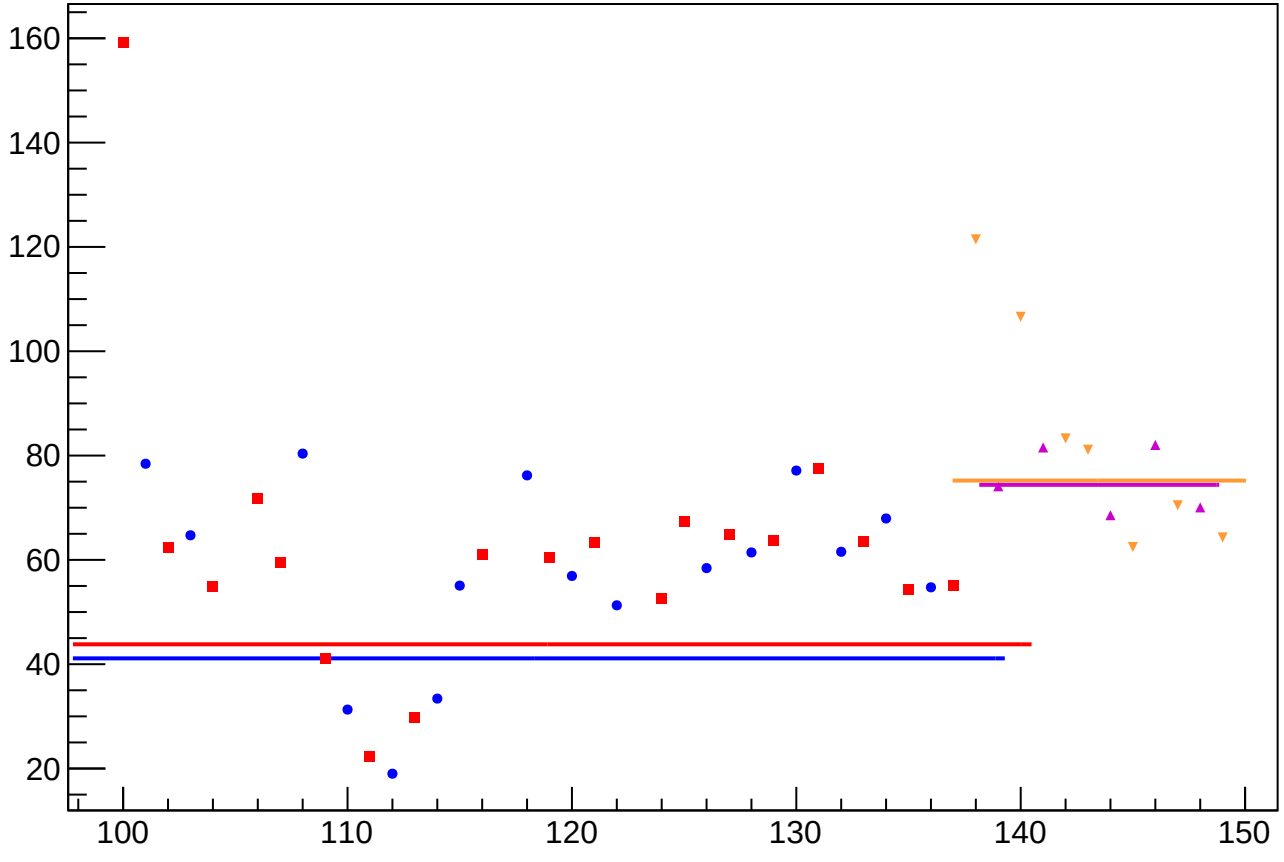
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.010+/-0.016 χ^2/NDF:25.3/25

All: 0.021+/-0.011 χ^2/NDF: 57.1/46

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: 75.209+/-0.024 χ^2/NDF:473481.1/6

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: 74.835+/-0.018 χ^2/NDF: 519095.7/11

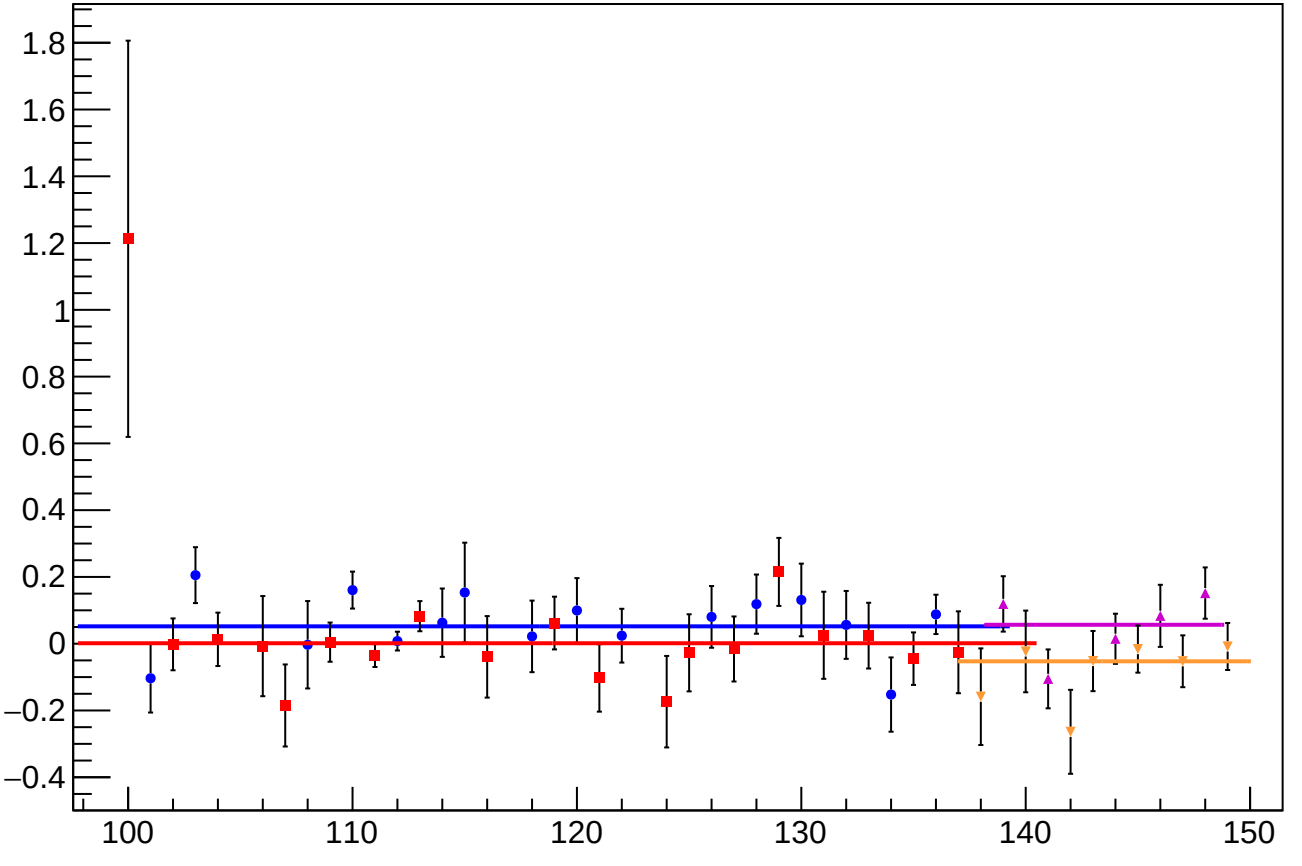
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 47.397+/-0.011 χ^2/NDF:4293259.7/20

Out: 50.668+/-0.011 χ^2/NDF:3861569.3/25

All: 49.049+/-0.008 χ^2/NDF: 8197009.1/46

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.053+/-0.034 χ^2/NDF:4.1/6

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.057+/-0.037 χ^2/NDF:5.9/4

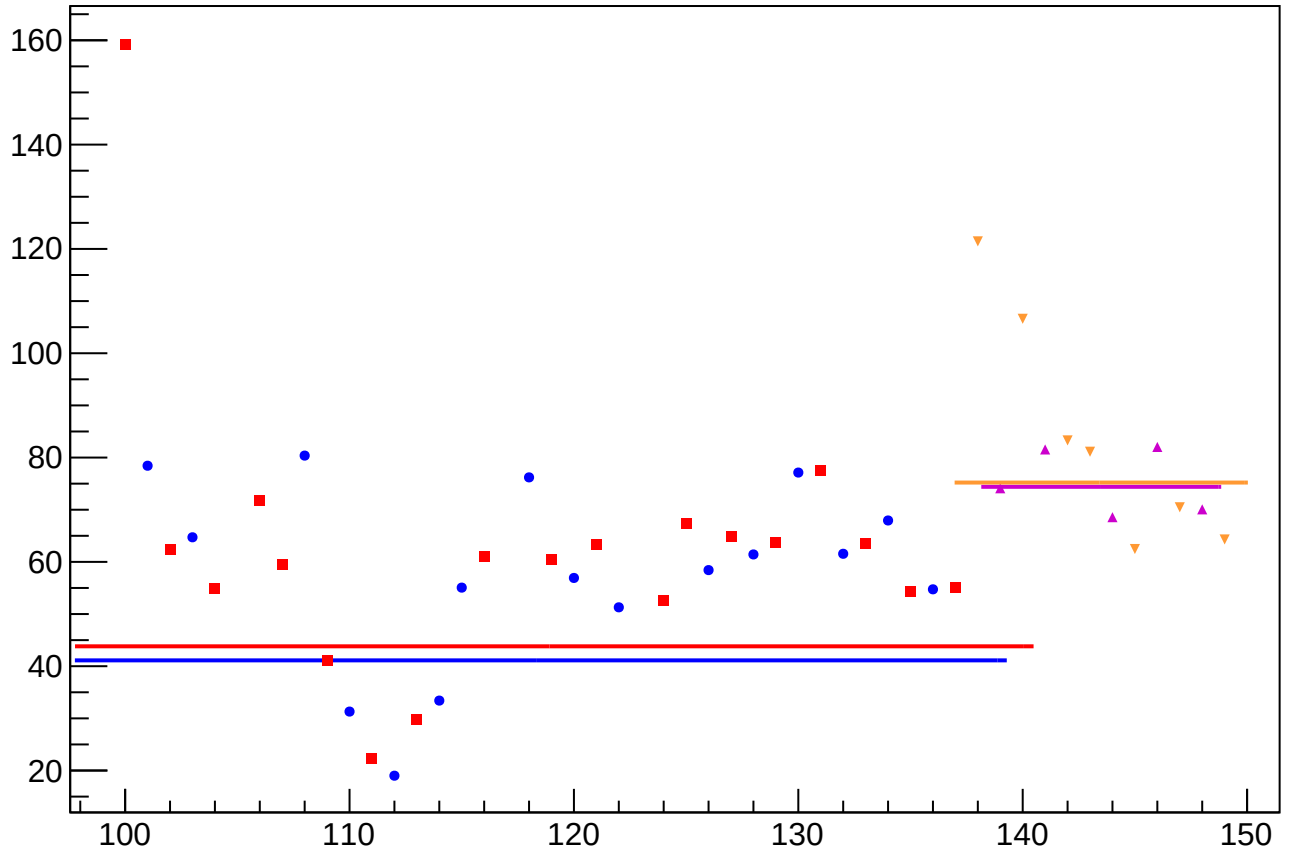
Left: -0.003+/-0.025 χ^2/NDF: 14.7/11

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.053+/-0.016 χ^2/NDF:23.9/20

Out: -0.010+/-0.016 χ^2/NDF:25.3/25

All: 0.021+/-0.011 χ^2/NDF: 57.1/46



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 75.209+/-0.024 χ^2/NDF:473481.1/6

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 74.394+/-0.026 χ^2/NDF:45084.5/4

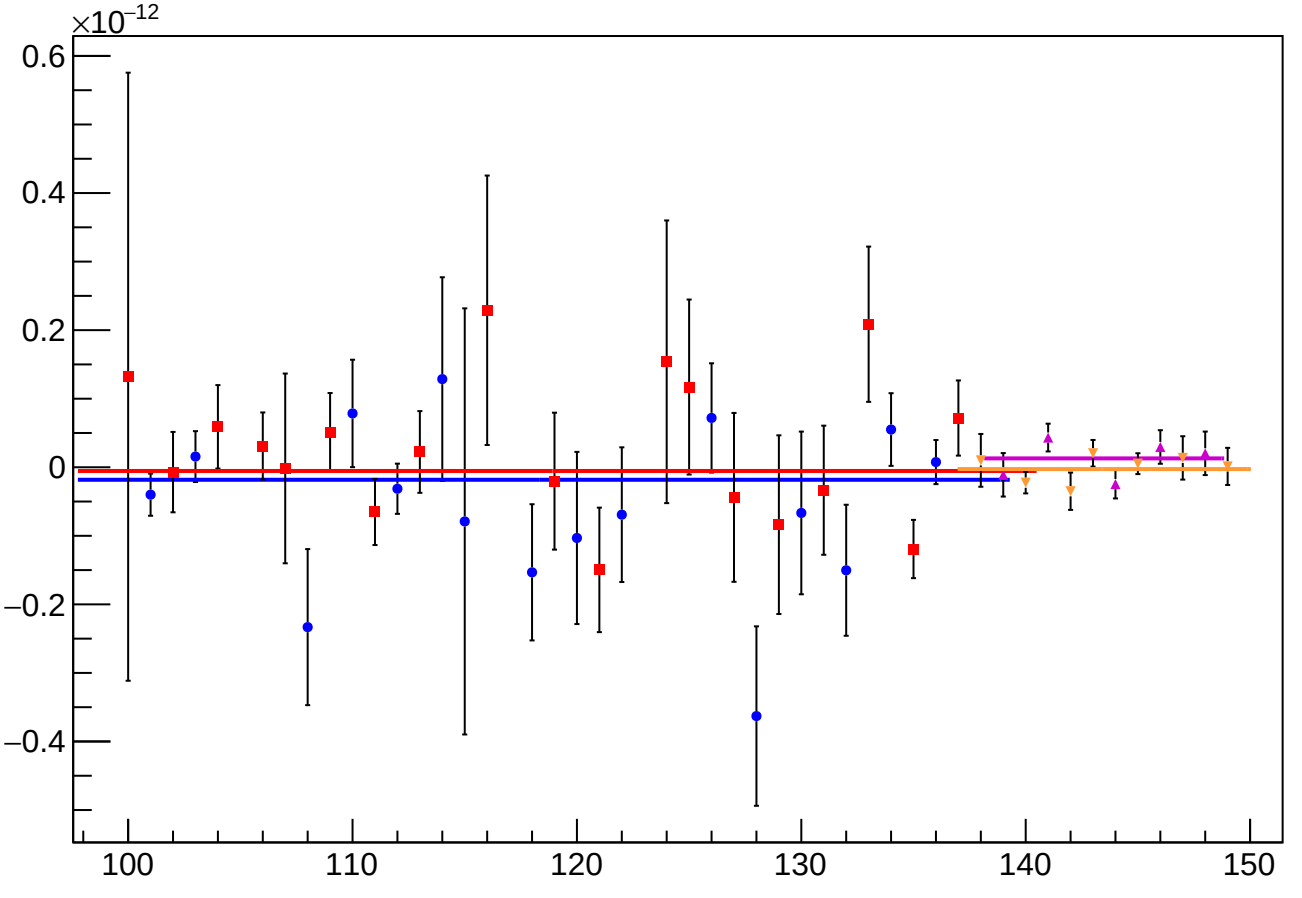
Left: 74.835+/-0.018 χ^2/NDF: 519095.7/11

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 47.397+/-0.011 χ^2/NDF:4293259.7/20

Out: 50.668+/-0.011 χ^2/NDF:3861569.3/25

All: 49.049+/-0.008 χ^2/NDF: 8197009.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/4

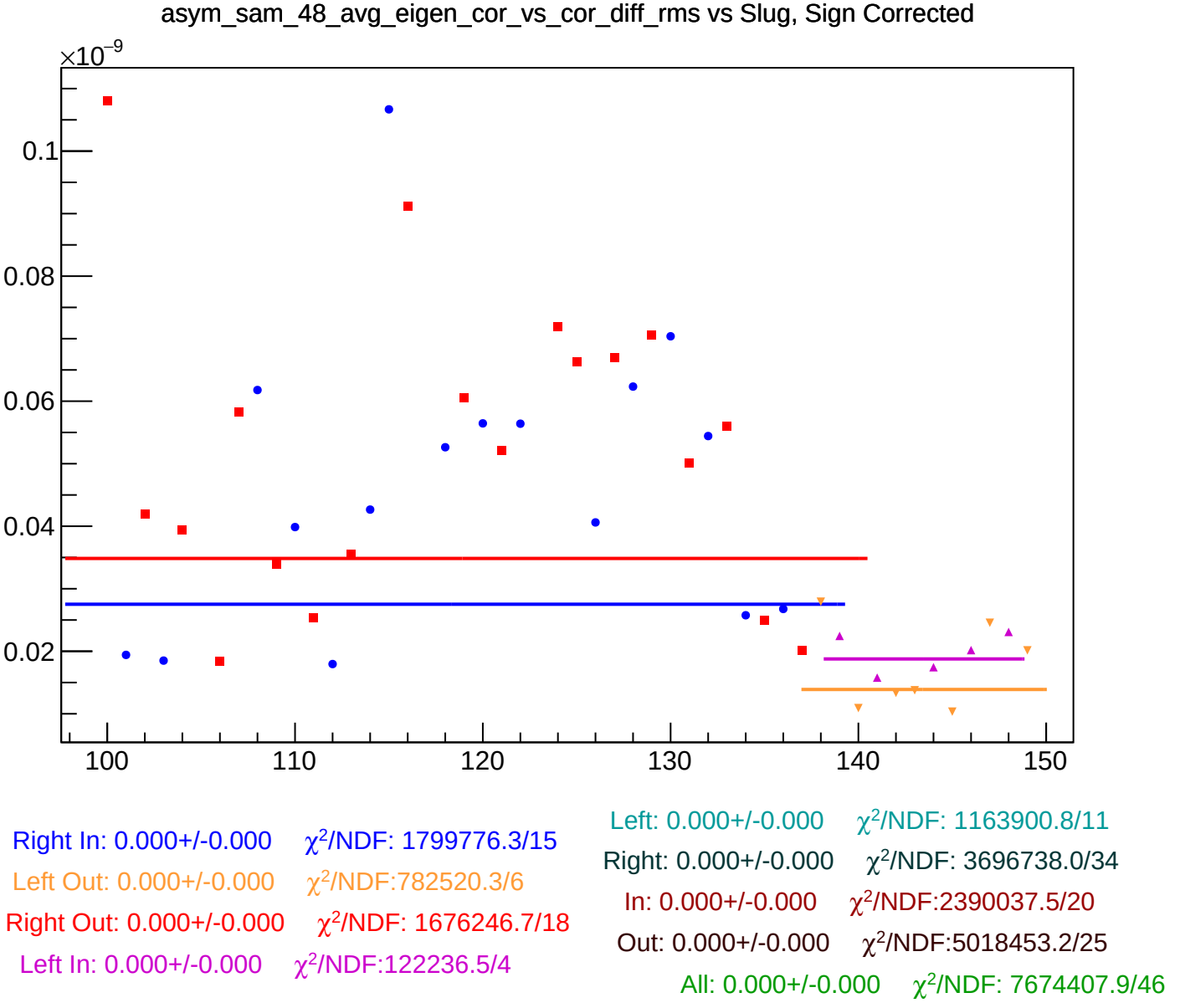
Left: 0.000+/-0.000 χ^2/NDF: 13.0/11

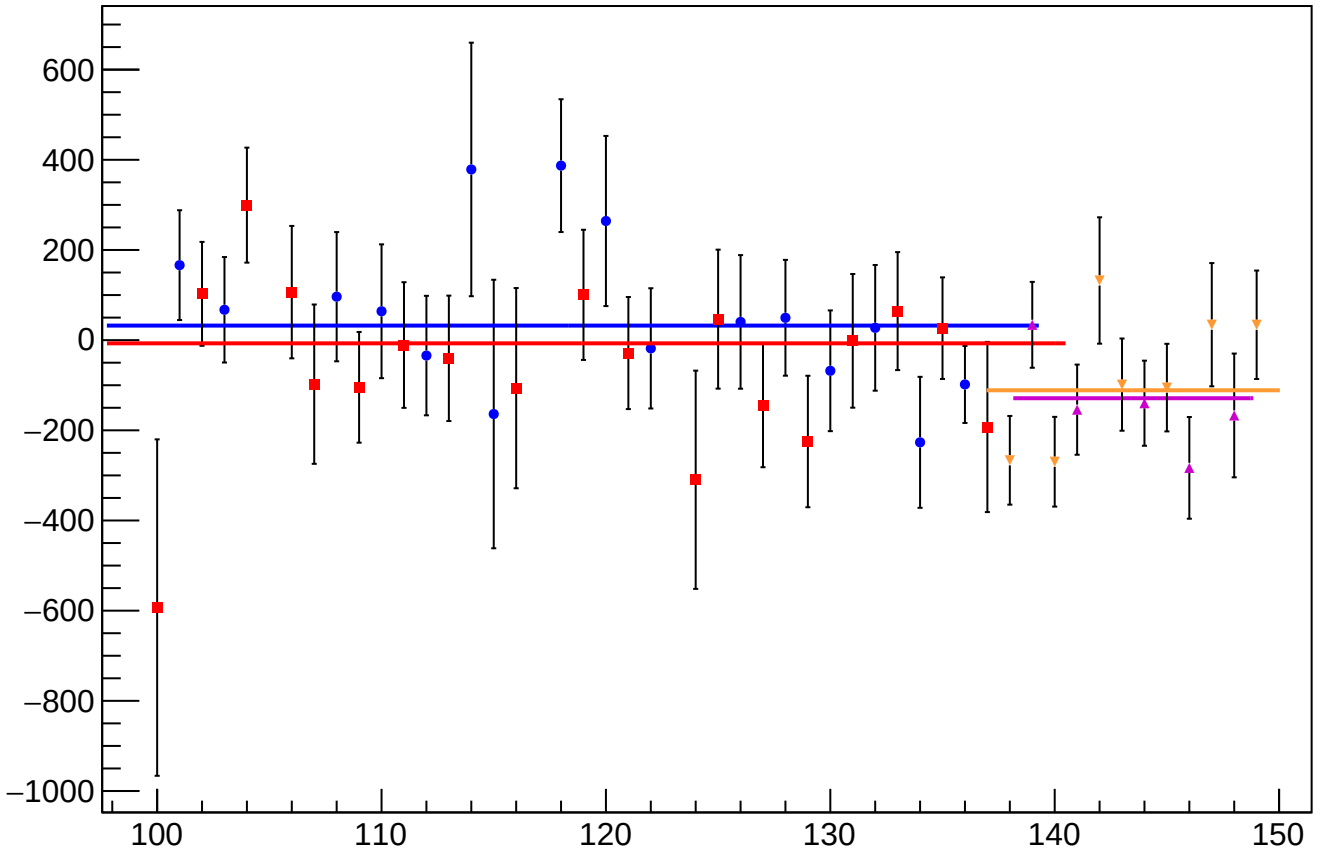
Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:32.5/20

Out: -0.000+/-0.000 χ^2/NDF:28.4/25

All: -0.000+/-0.000 χ^2/NDF: 61.1/46


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:782520.3/6
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: 1163900.8/11
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:5018453.2/25
All: 0.000+/-0.000 χ²/NDF: 7674407.9/46



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -111.182+/-41.539 χ^2/NDF:10.7/6

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -128.831+/-46.921 χ^2/NDF:5.0/4

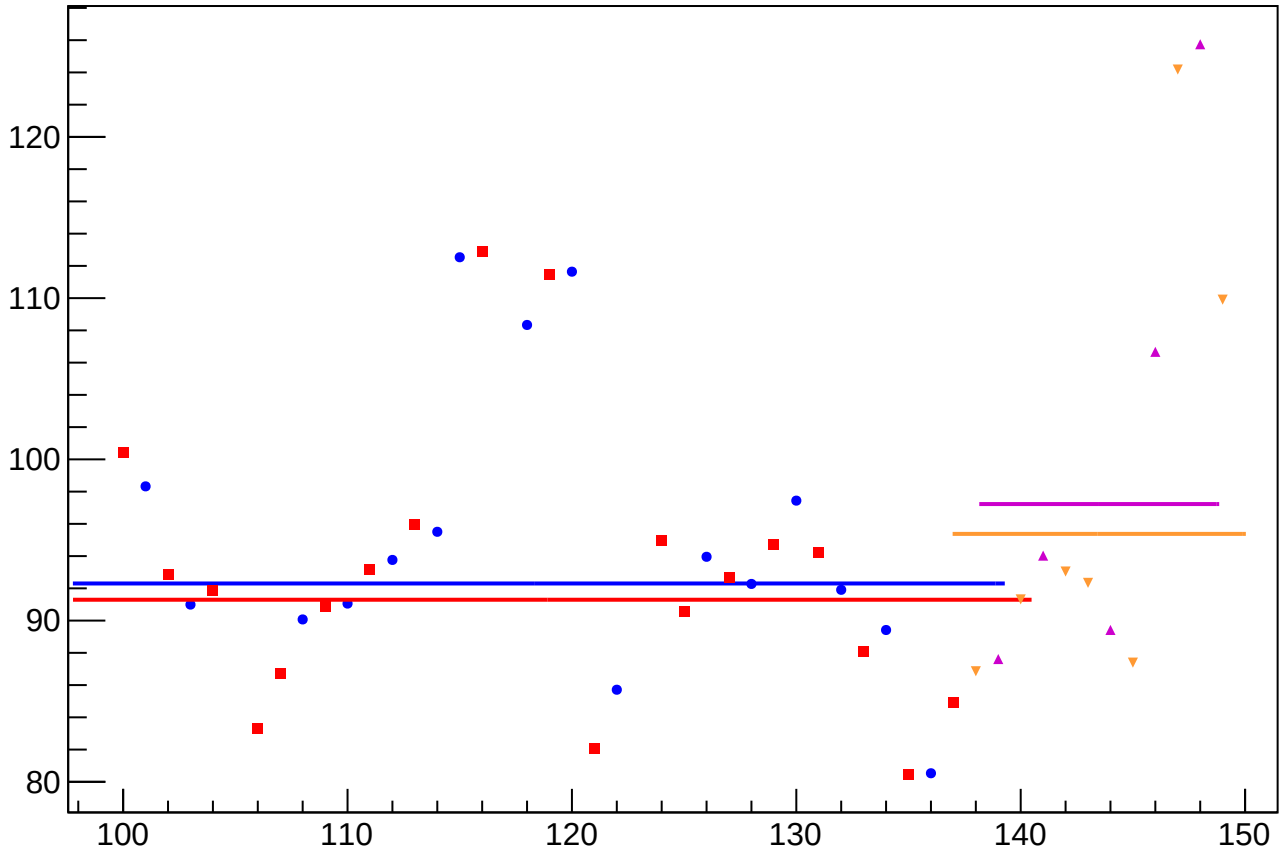
Left: -118.937+/-31.102 χ^2/NDF: 15.7/11

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -24.093+/-27.758 χ^2/NDF:29.9/20

Out: -47.980+/-26.039 χ^2/NDF:32.2/25

All: -36.799+/-18.991 χ^2/NDF: 62.6/46



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 95.378+/-0.029 χ^2/NDF:152177.0/6

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

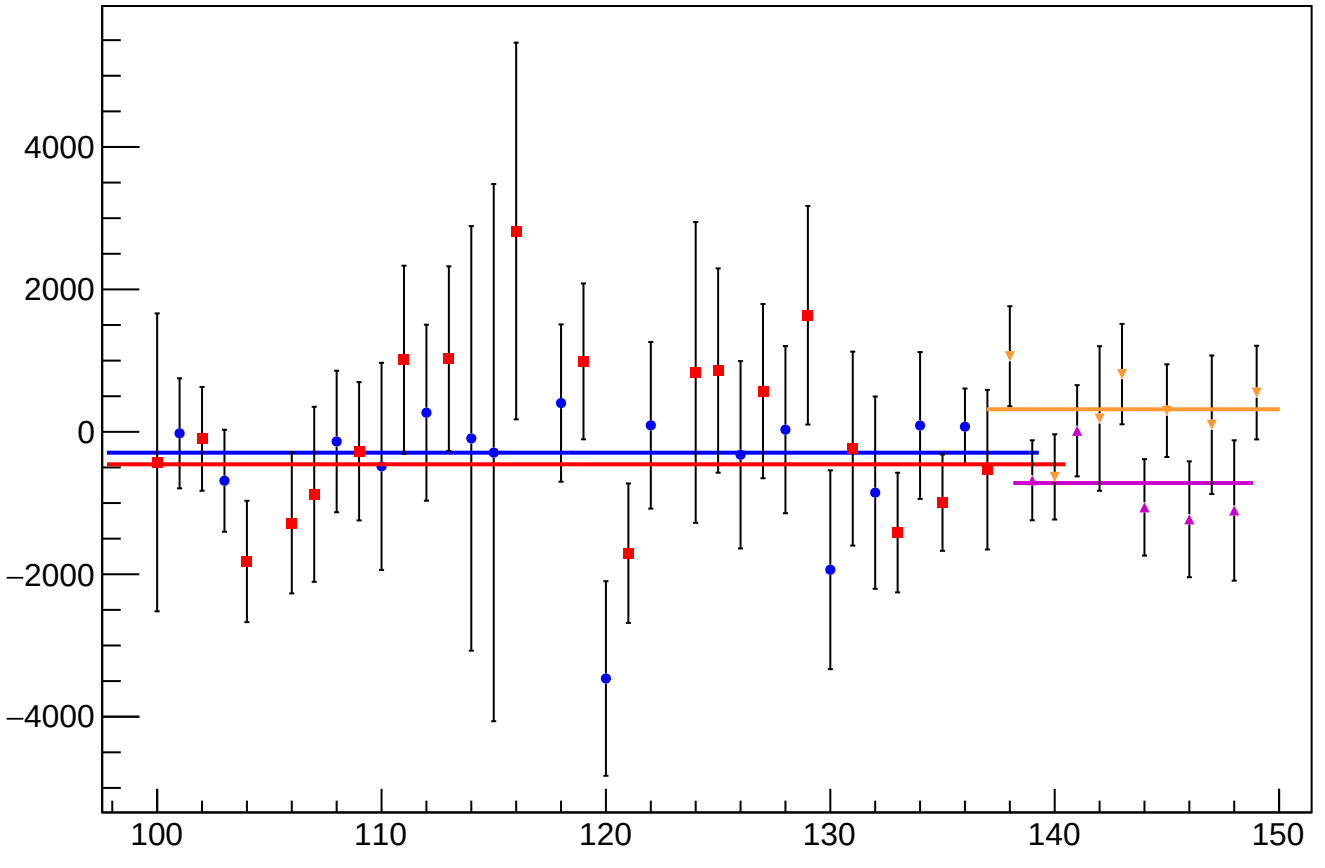
Left: 96.191+/-0.022 χ^2/NDF: 290391.4/11

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 94.026+/-0.020 χ^2/NDF:257864.7/20

Out: 92.898+/-0.018 χ^2/NDF:269010.7/25

All: 93.426+/-0.013 χ^2/NDF: 528631.5/46



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 316.415+/-271.807 χ^2/NDF:4.3/6

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -718.667+/-311.125 χ^2/NDF:2.1/4

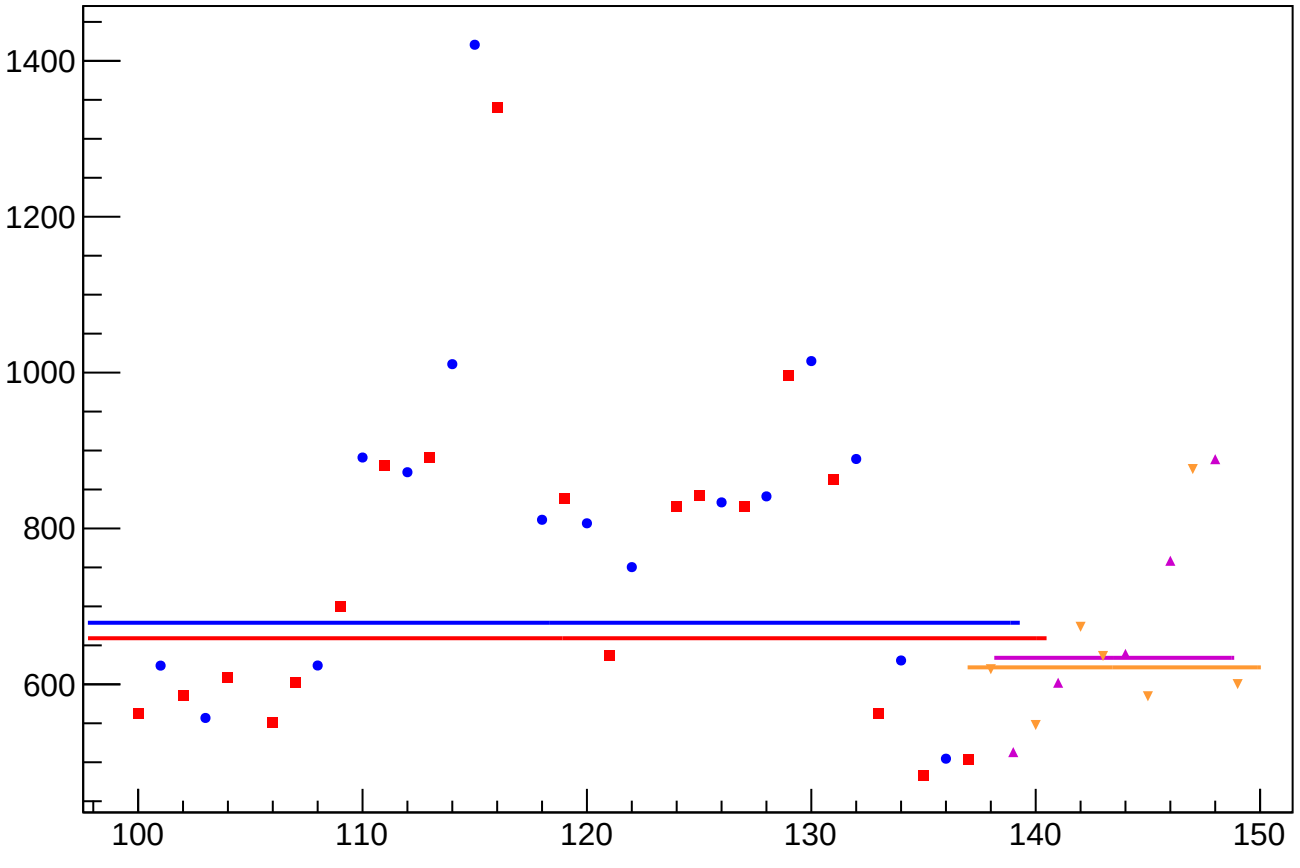
Left: -131.628+/-204.695 χ^2/NDF: 12.7/11

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -467.644+/-199.368 χ^2/NDF:12.0/20

Out: -103.897+/-183.490 χ^2/NDF:25.6/25

All: -270.711+/-135.012 χ^2/NDF: 39.4/46



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 621.766+/-0.192 χ^2/NDF:182326.1/6

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

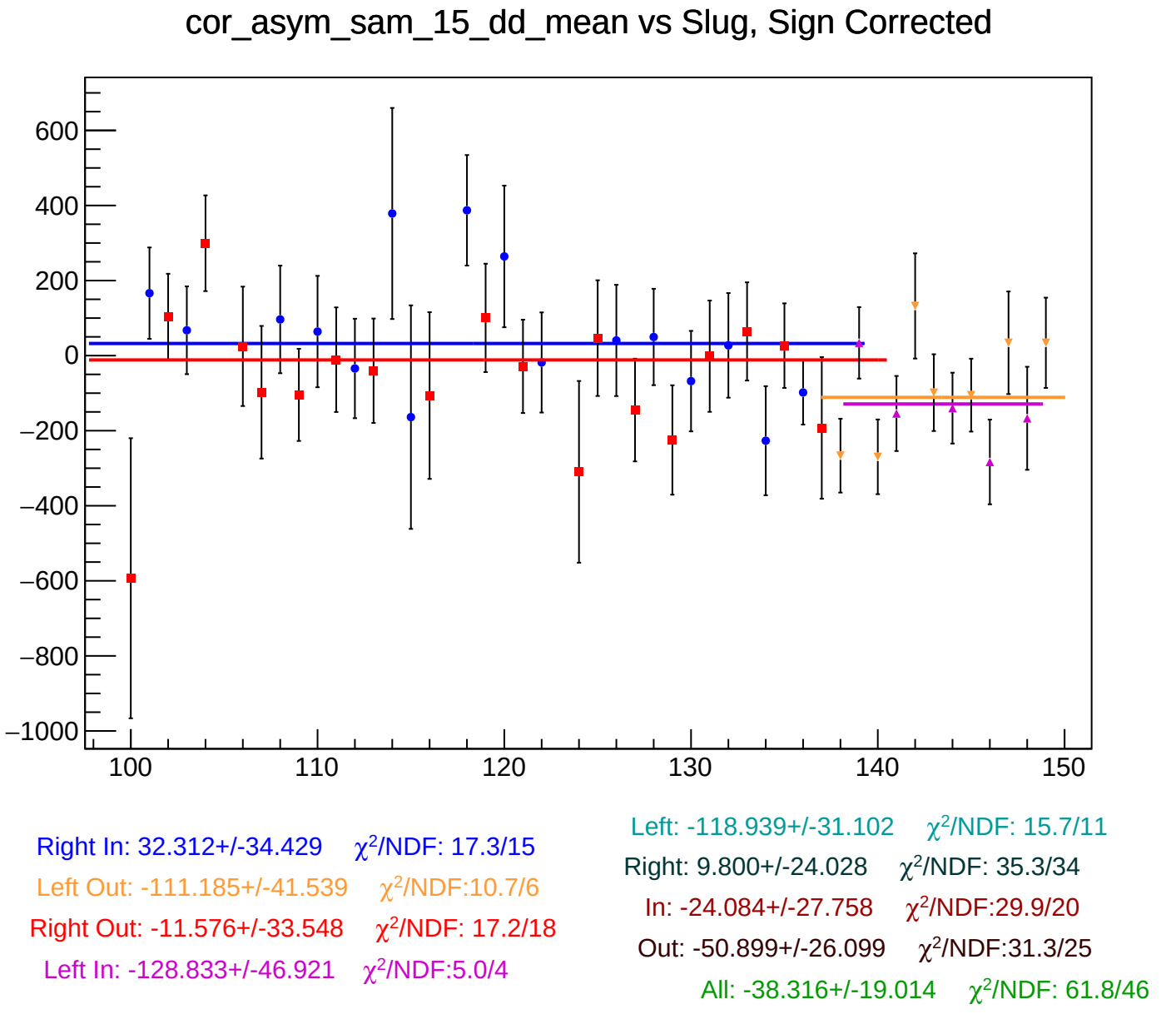
Left: 627.066+/-0.145 χ^2/NDF: 462654.2/11

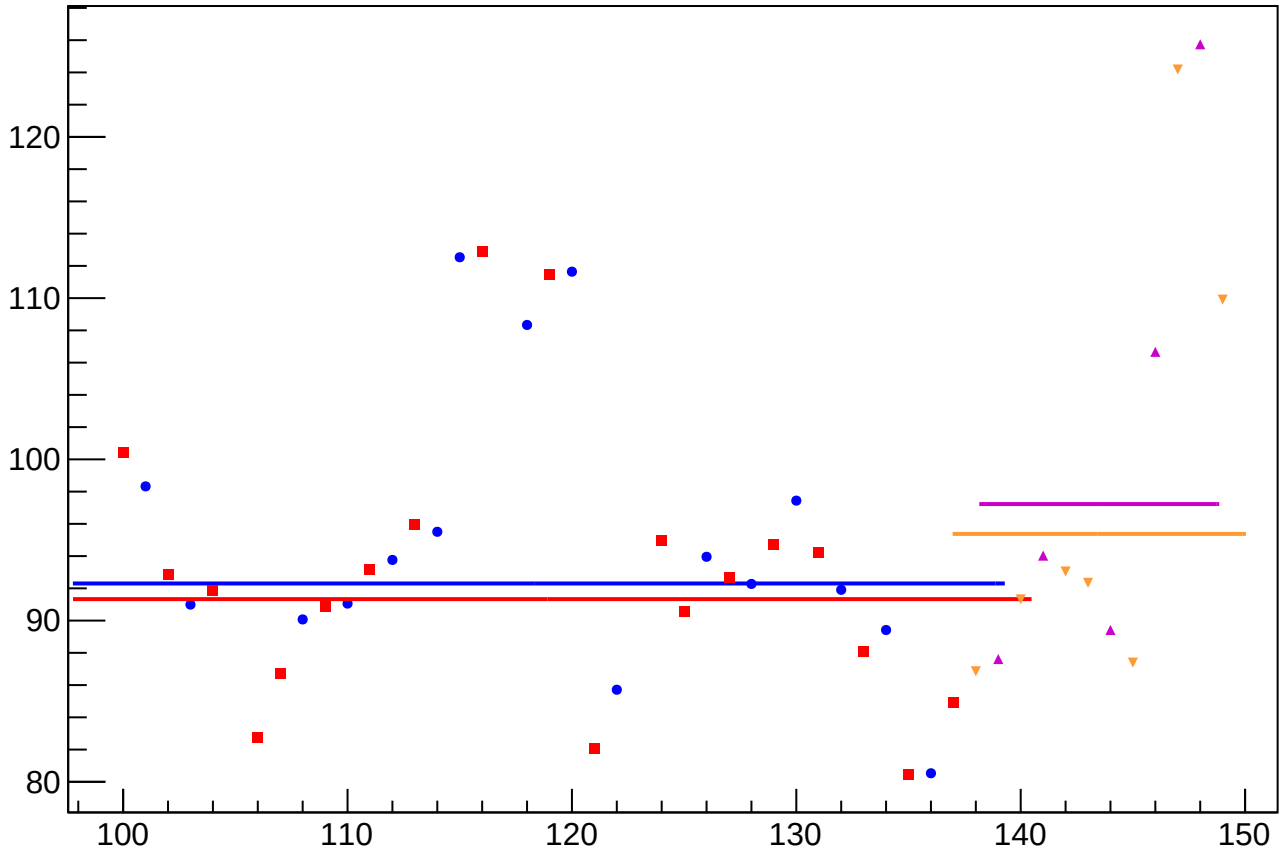
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 660.528+/-0.141 χ^2/NDF:1071205.6/20

Out: 642.104+/-0.130 χ^2/NDF:998777.7/25

All: 650.553+/-0.095 χ^2/NDF: 2079230.7/46


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -111.185+/-41.539 χ²/NDF:10.7/6
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -128.833+/-46.921 χ²/NDF:5.0/4
Left: -118.939+/-31.102 χ²/NDF: 15.7/11
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -24.084+/-27.758 χ²/NDF:29.9/20
Out: -50.899+/-26.099 χ²/NDF:31.3/25
All: -38.316+/-19.014 χ²/NDF: 61.8/46



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 95.378+/-0.029 χ^2/NDF:152177.0/6

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

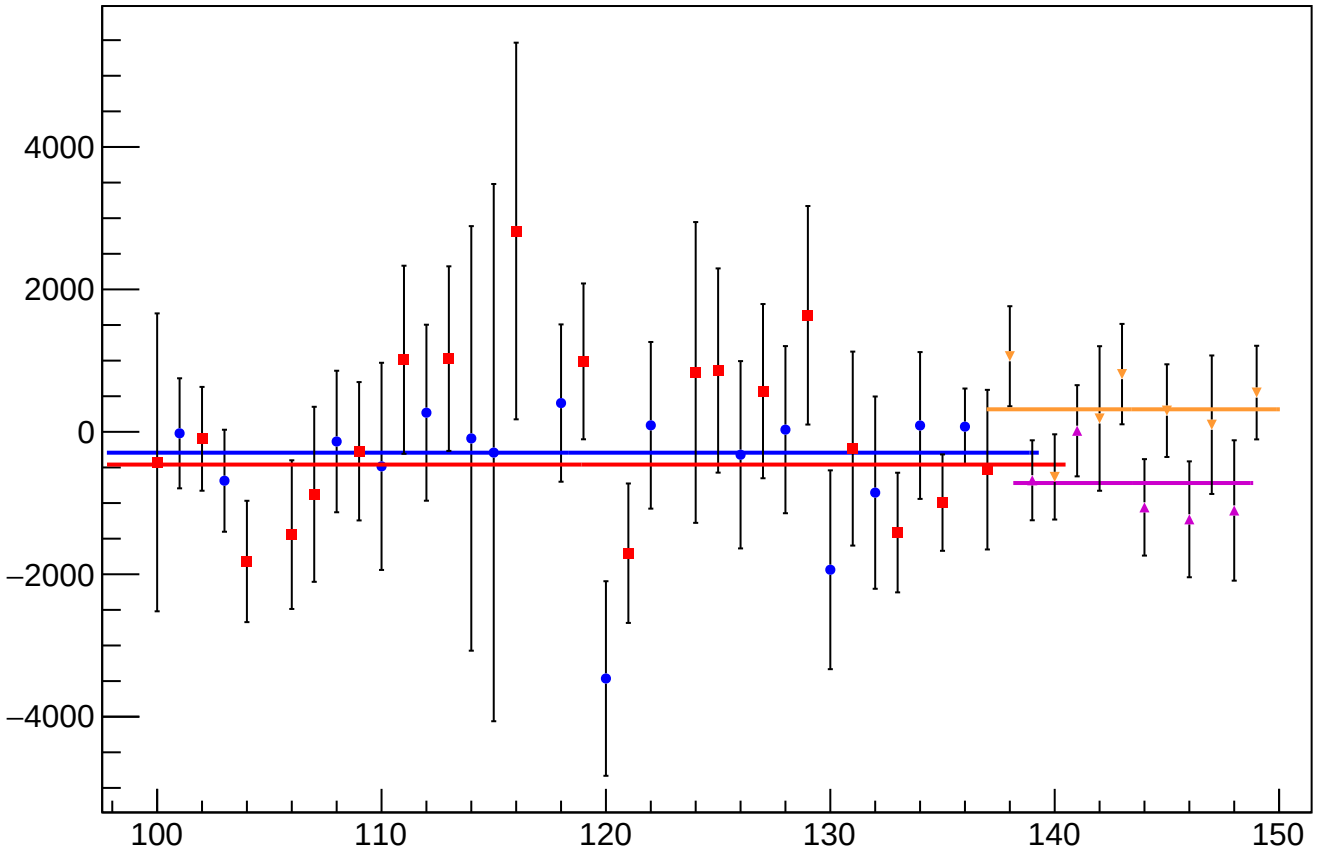
Left: 96.191+/-0.022 χ^2/NDF: 290391.4/11

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 94.026+/-0.020 χ^2/NDF:257864.6/20

Out: 92.929+/-0.018 χ^2/NDF:268578.4/25

All: 93.444+/-0.013 χ^2/NDF: 528101.3/46



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 316.411+/-271.807 χ^2/NDF:4.3/6

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -718.664+/-311.125 χ^2/NDF:2.1/4

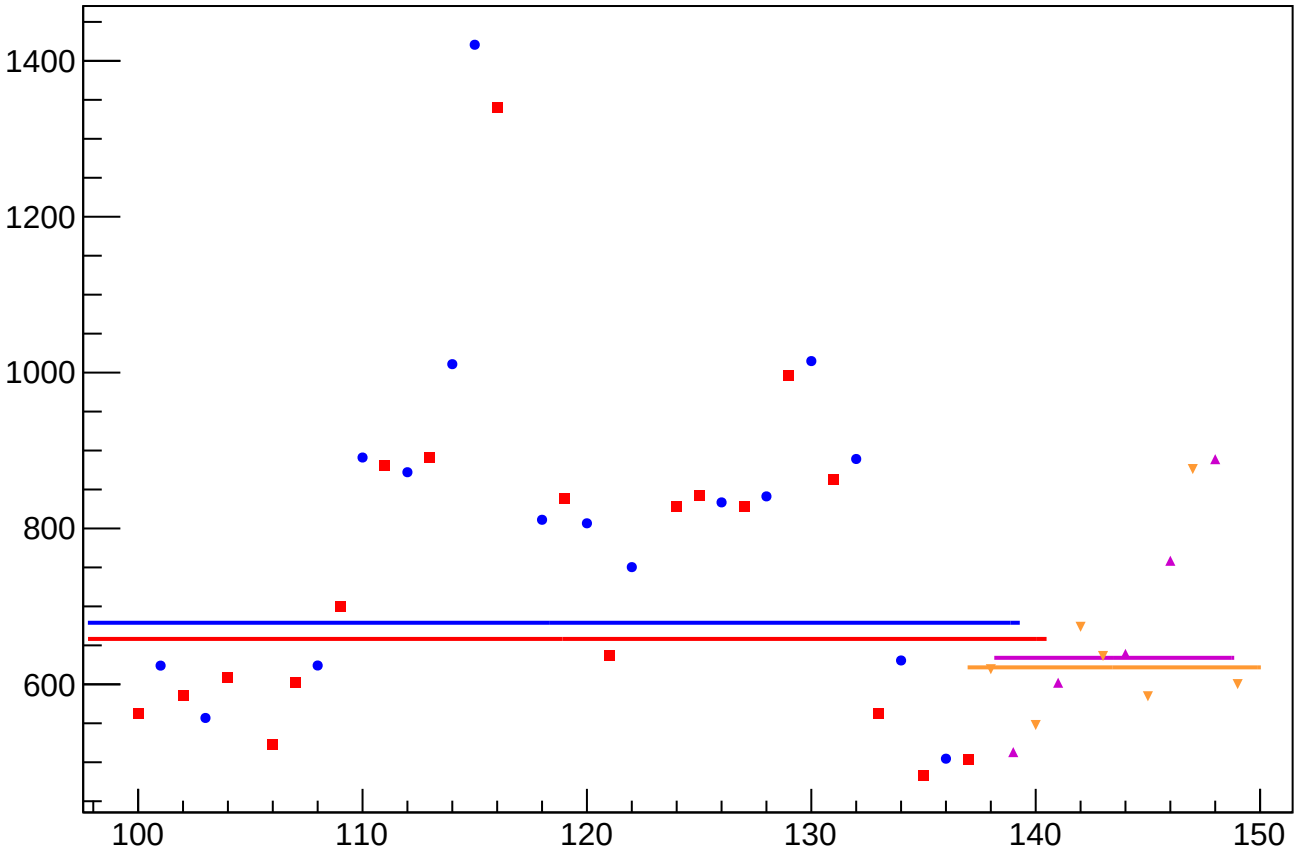
Left: -131.629+/-204.695 χ^2/NDF: 12.7/11

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -467.641+/-199.368 χ^2/NDF:12.0/20

Out: -104.671+/-183.821 χ^2/NDF:25.8/25

All: -271.454+/-135.144 χ^2/NDF: 39.6/46



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 621.766+/-0.192 χ^2/NDF:182326.3/6

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

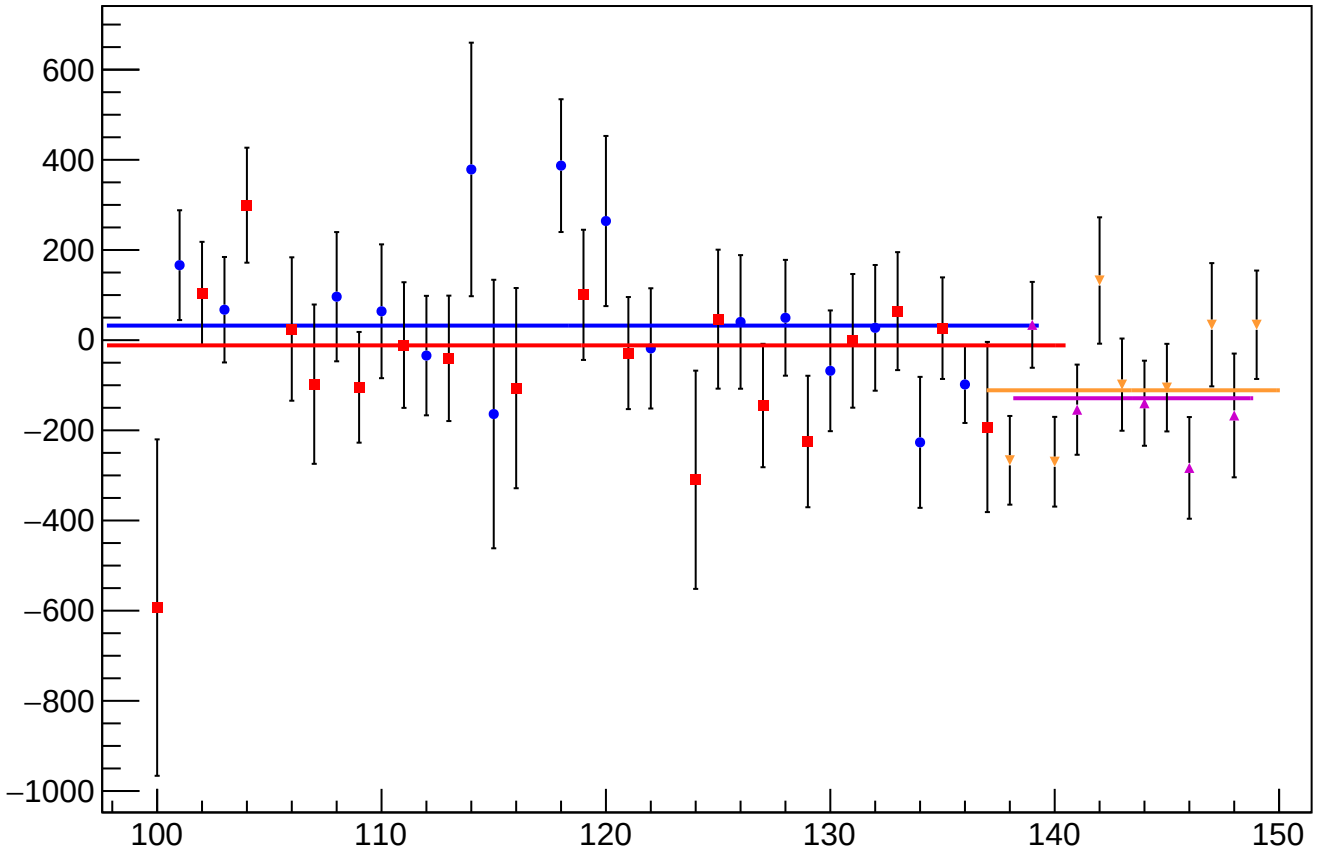
Left: 627.066+/-0.145 χ^2/NDF: 462654.4/11

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 660.528+/-0.141 χ^2/NDF:1071207.4/20

Out: 641.569+/-0.130 χ^2/NDF:1007790.4/25

All: 650.281+/-0.096 χ^2/NDF: 2088772.9/46



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -111.185+/-41.539 χ^2/NDF:10.7/6

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -128.833+/-46.921 χ^2/NDF:5.0/4

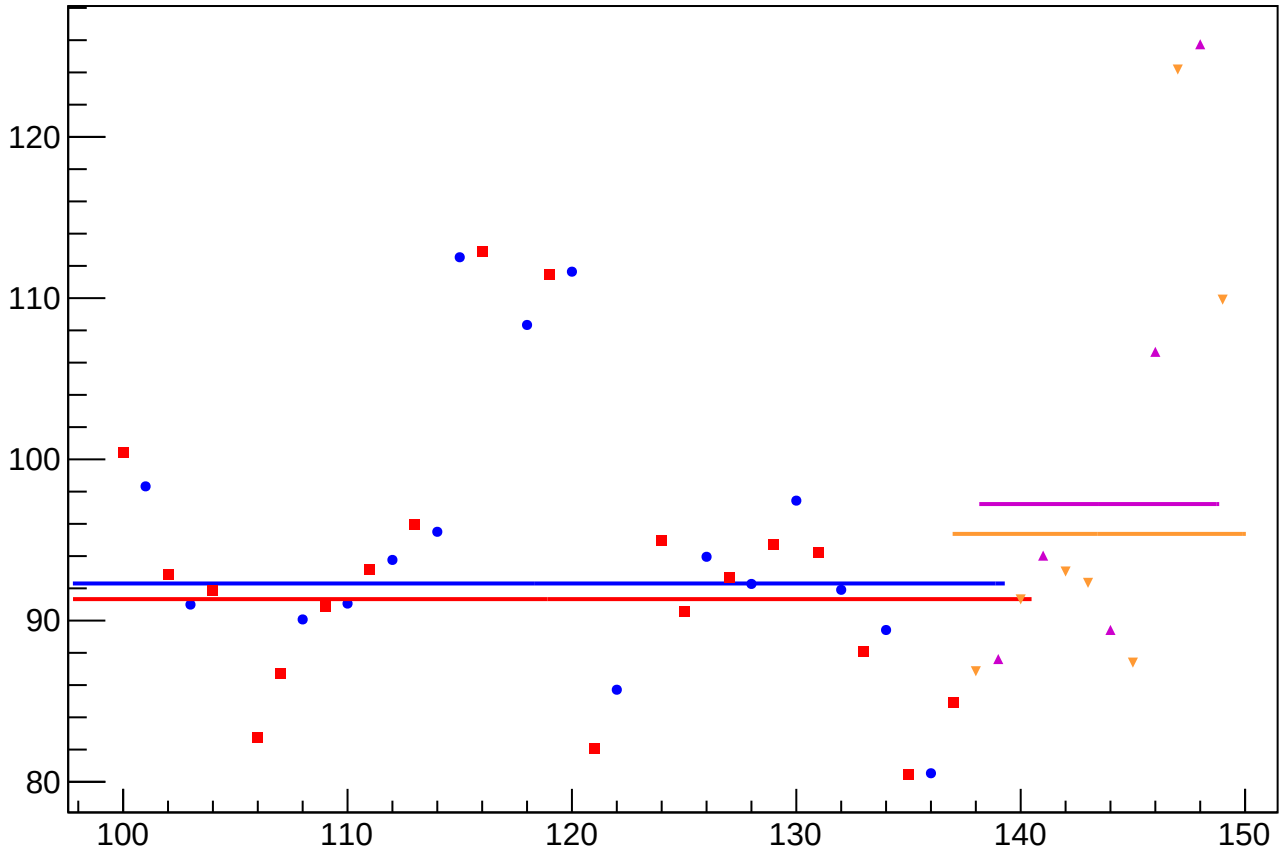
Left: -118.939+/-31.102 χ^2/NDF: 15.7/11

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -24.084+/-27.758 χ^2/NDF:29.9/20

Out: -50.899+/-26.099 χ^2/NDF:31.3/25

All: -38.316+/-19.014 χ^2/NDF: 61.8/46



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 95.378+/-0.029 χ^2/NDF:152177.0/6

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 97.228+/-0.033 χ^2/NDF:136470.7/4

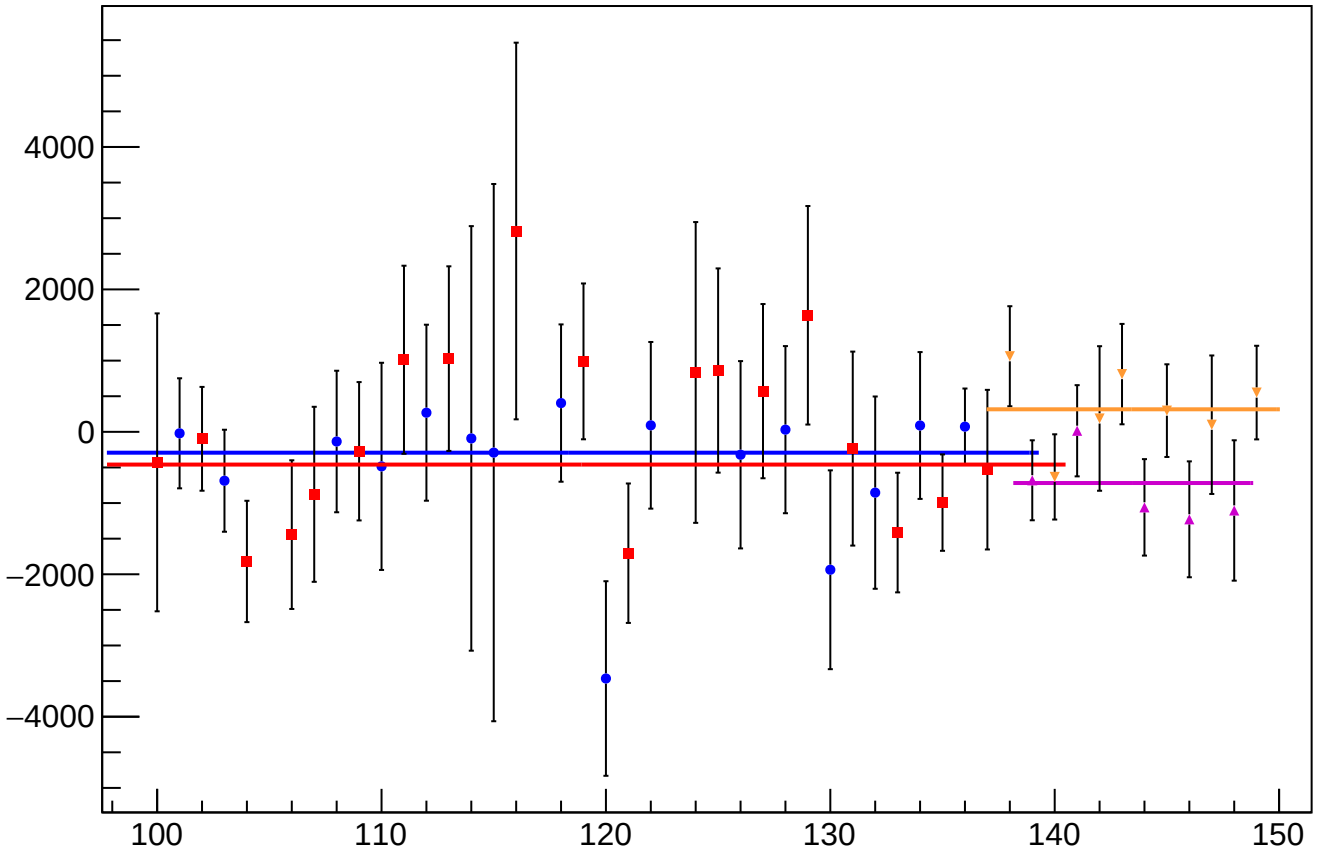
Left: 96.191+/-0.022 χ^2/NDF: 290391.4/11

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 94.026+/-0.020 χ^2/NDF:257864.6/20

Out: 92.929+/-0.018 χ^2/NDF:268578.4/25

All: 93.444+/-0.013 χ^2/NDF: 528101.3/46



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 316.411+/-271.807 χ^2/NDF:4.3/6

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -718.664+/-311.125 χ^2/NDF:2.1/4

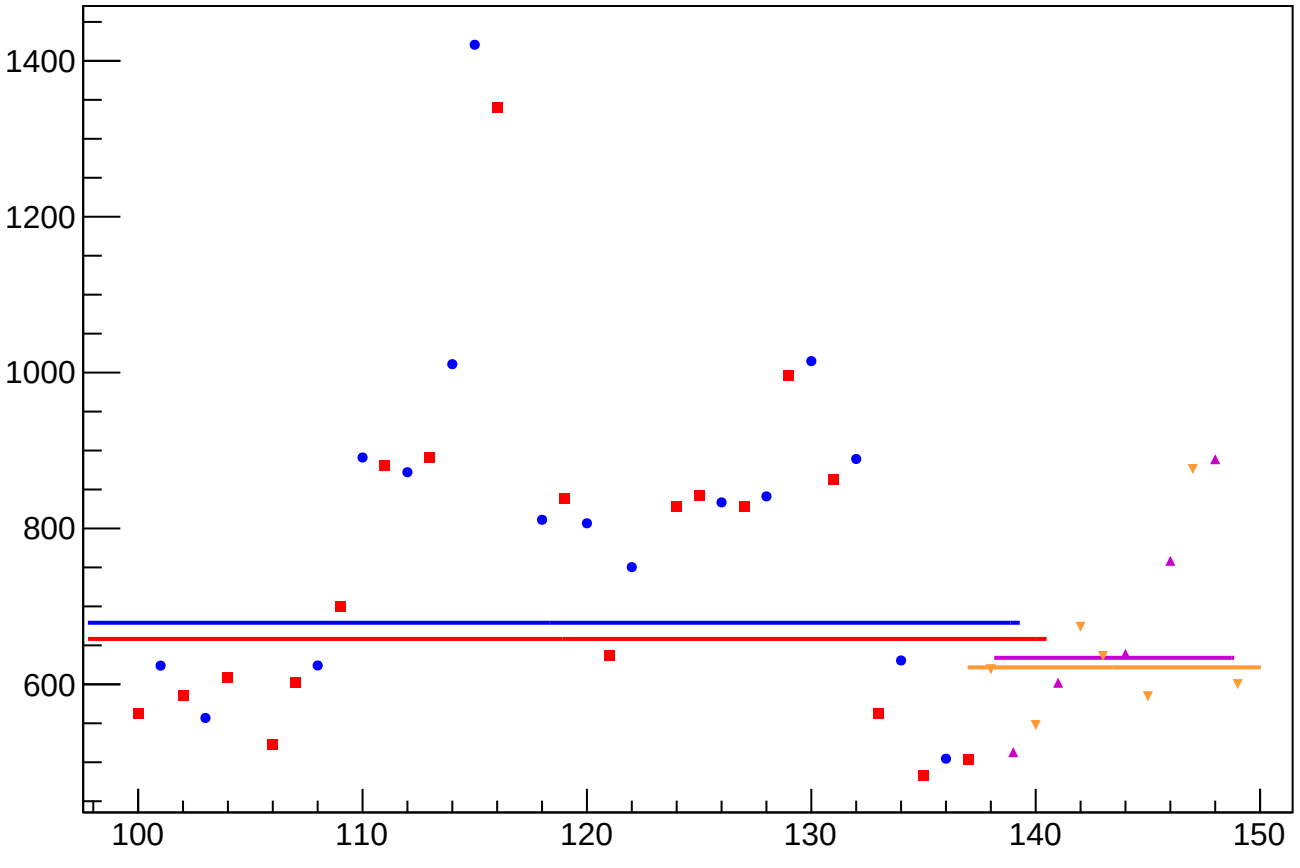
Left: -131.629+/-204.695 χ^2/NDF: 12.7/11

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -467.641+/-199.368 χ^2/NDF:12.0/20

Out: -104.671+/-183.821 χ^2/NDF:25.8/25

All: -271.454+/-135.144 χ^2/NDF: 39.6/46



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 621.766+/-0.192 χ^2/NDF:182326.3/6

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 634.010+/-0.220 χ^2/NDF:278571.2/4

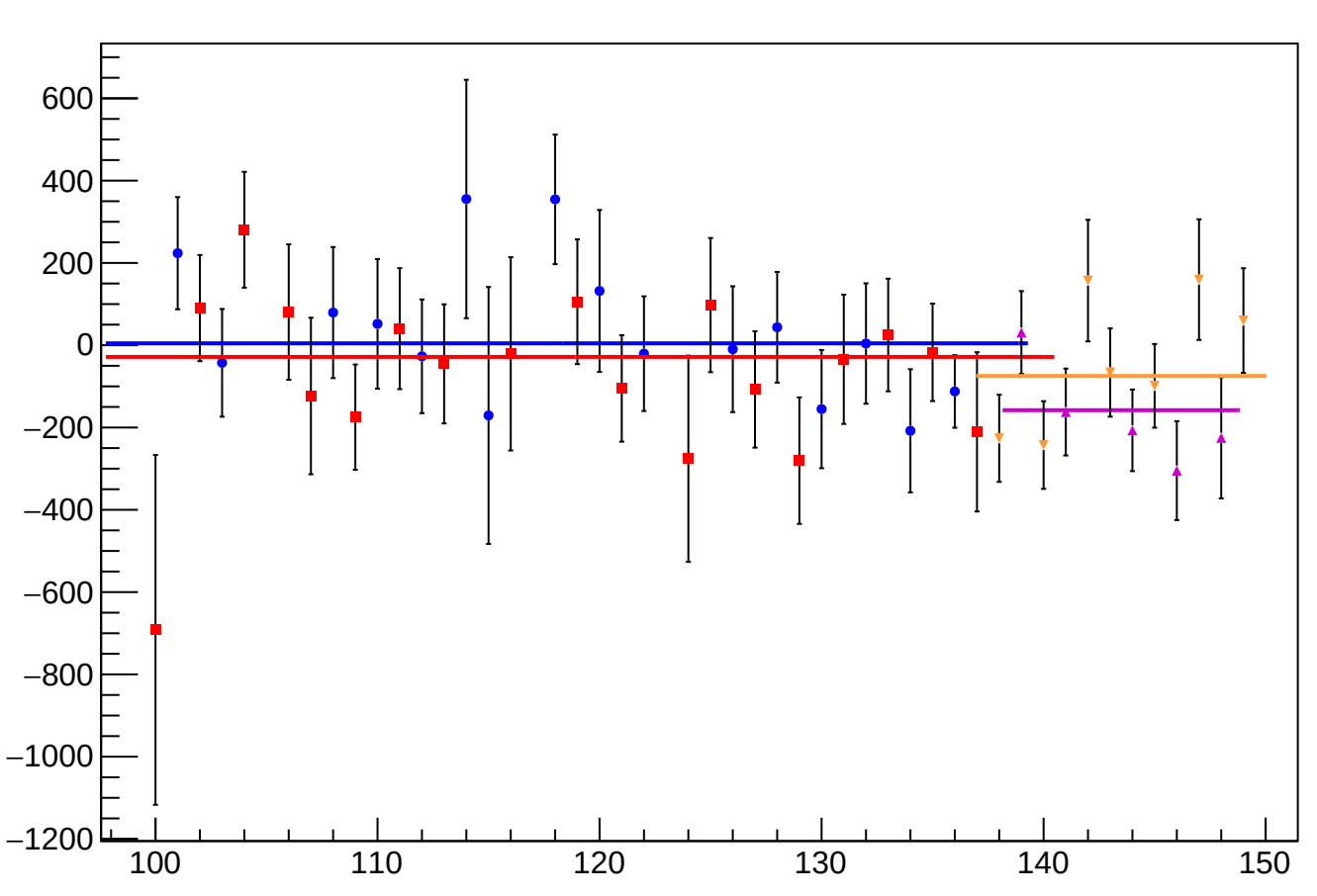
Left: 627.066+/-0.145 χ^2/NDF: 462654.4/11

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 660.528+/-0.141 χ^2/NDF:1071207.4/20

Out: 641.569+/-0.130 χ^2/NDF:1007790.4/25

All: 650.281+/-0.096 χ^2/NDF: 2088772.9/46



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -74.792+/-44.057 χ^2/NDF:10.7/6

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: -111.390+/-32.953 χ^2/NDF: 17.8/11

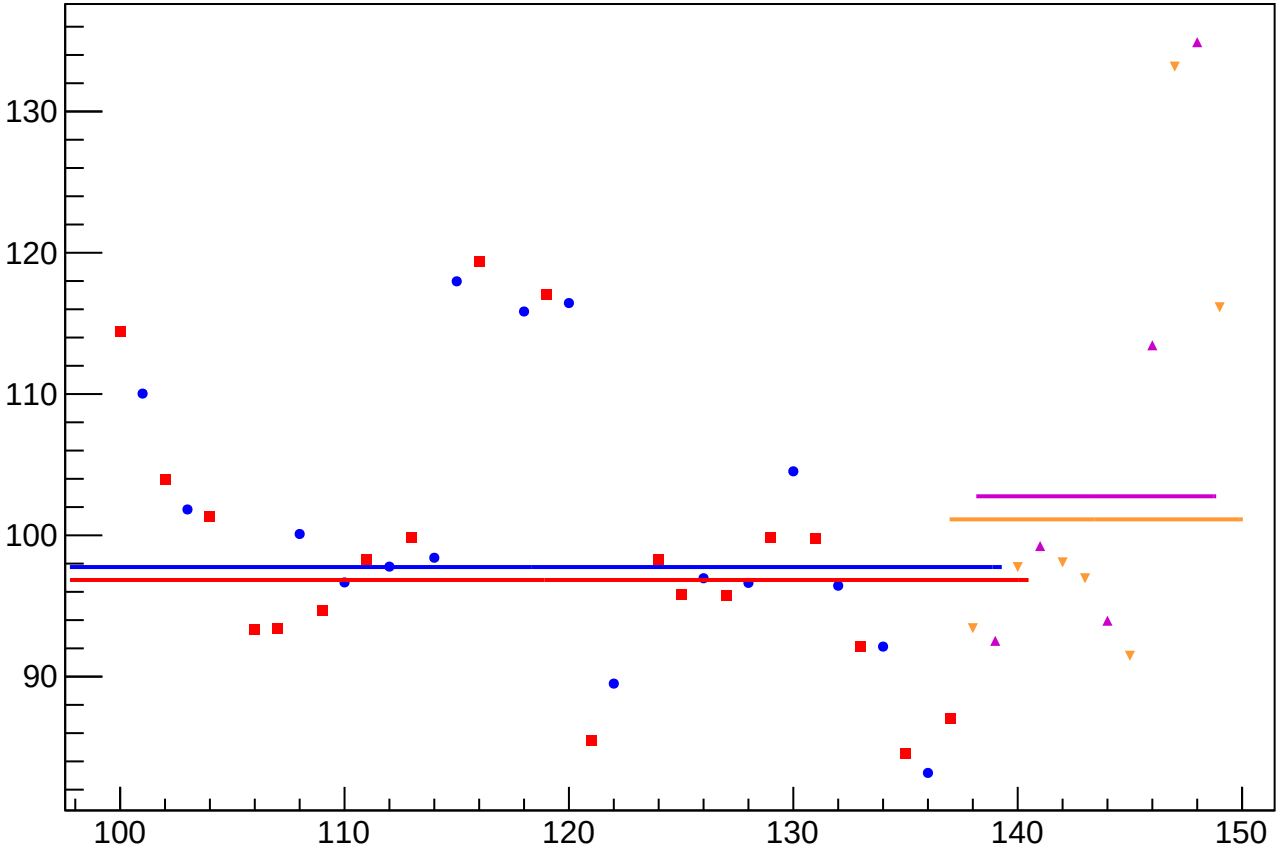
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -52.407+/-29.413 χ^2/NDF:27.8/20

Out: -46.646+/-27.626 χ^2/NDF:28.5/25

All: -49.346+/-20.137 χ^2/NDF: 56.3/46

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 101.130+/-0.031 χ^2/NDF:158000.5/6

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 102.763+/-0.035 χ^2/NDF:149776.9/4

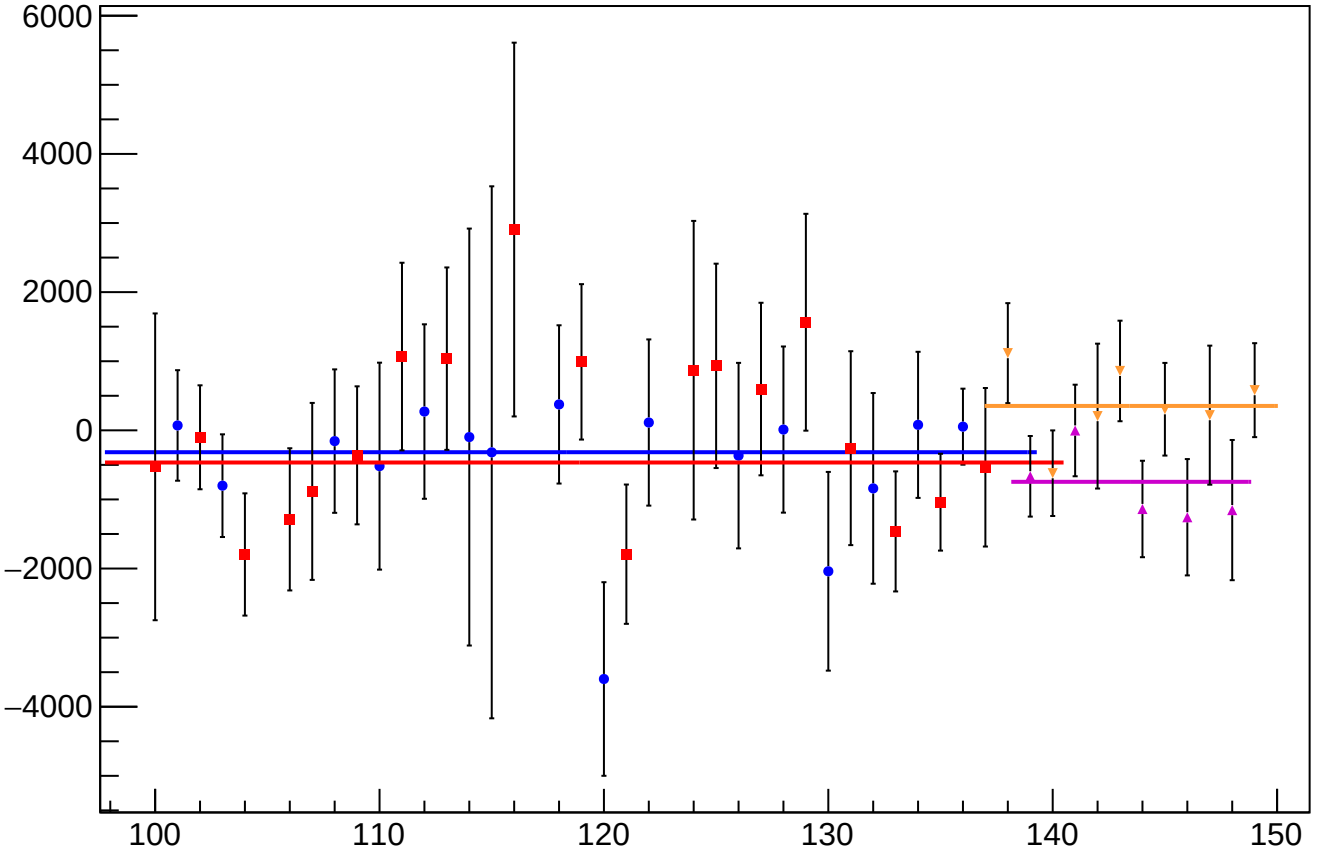
Left: 101.850+/-0.023 χ^2/NDF: 308988.0/11

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 99.513+/-0.021 χ^2/NDF:303634.8/20

Out: 98.527+/-0.020 χ^2/NDF:284680.7/25

All: 98.989+/-0.014 χ^2/NDF: 589511.1/46



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 353.010+/-280.691 χ^2/NDF:4.2/6

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -745.172+/-321.849 χ^2/NDF:2.1/4

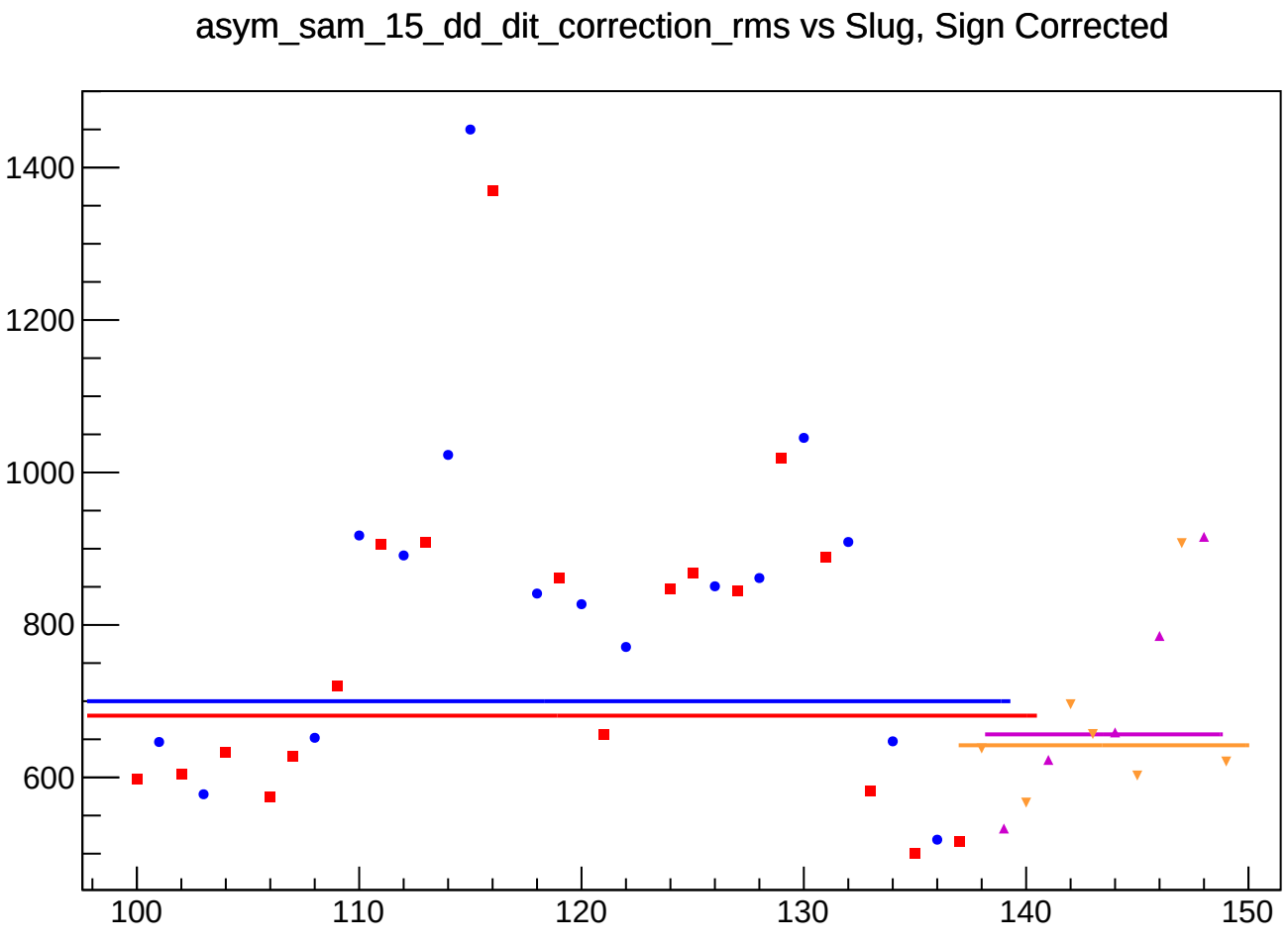
Left: -121.416+/-211.543 χ^2/NDF: 13.0/11

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -491.692+/-205.728 χ^2/NDF:12.3/20

Out: -92.841+/-189.407 χ^2/NDF:25.3/25

All: -275.820+/-139.344 χ^2/NDF: 39.7/46



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 642.168+/-0.198 χ^2/NDF:183528.4/6

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 656.478+/-0.228 χ^2/NDF:272273.7/4

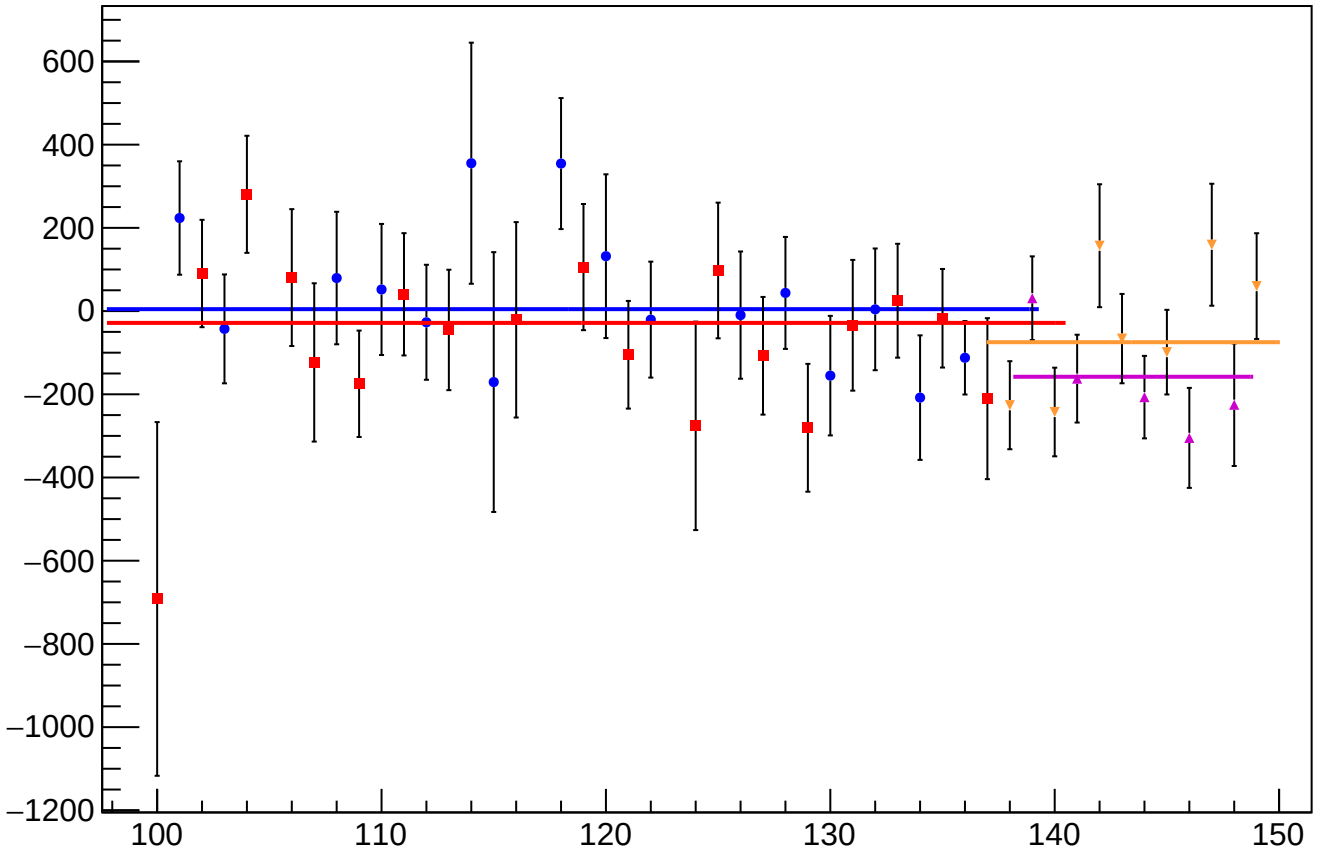
Left: 648.350+/-0.150 χ^2/NDF: 458047.7/11

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 682.201+/-0.145 χ^2/NDF:1047541.1/20

Out: 663.327+/-0.134 χ^2/NDF:973791.6/25

All: 671.986+/-0.099 χ^2/NDF: 2030443.5/46



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -74.793+/-44.057 χ^2/NDF:10.7/6

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -157.866+/-49.648 χ^2/NDF:5.5/4

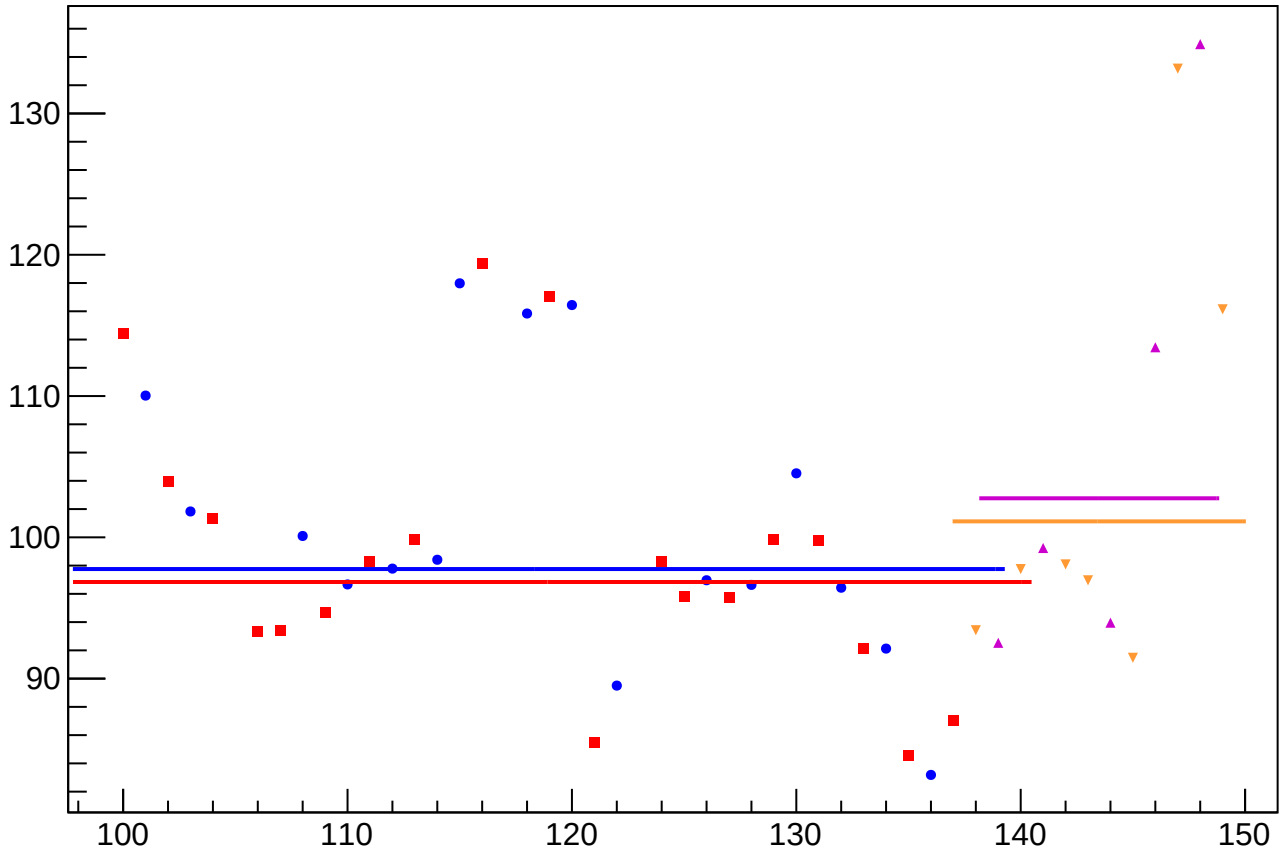
Left: -111.390+/-32.953 χ^2/NDF: 17.8/11

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -52.407+/-29.413 χ^2/NDF:27.8/20

Out: -46.646+/-27.626 χ^2/NDF:28.5/25

All: -49.346+/-20.137 χ^2/NDF: 56.3/46



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 101.130+/-0.031 χ^2/NDF:158001.7/6

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 102.763+/-0.035 χ^2/NDF:149777.4/4

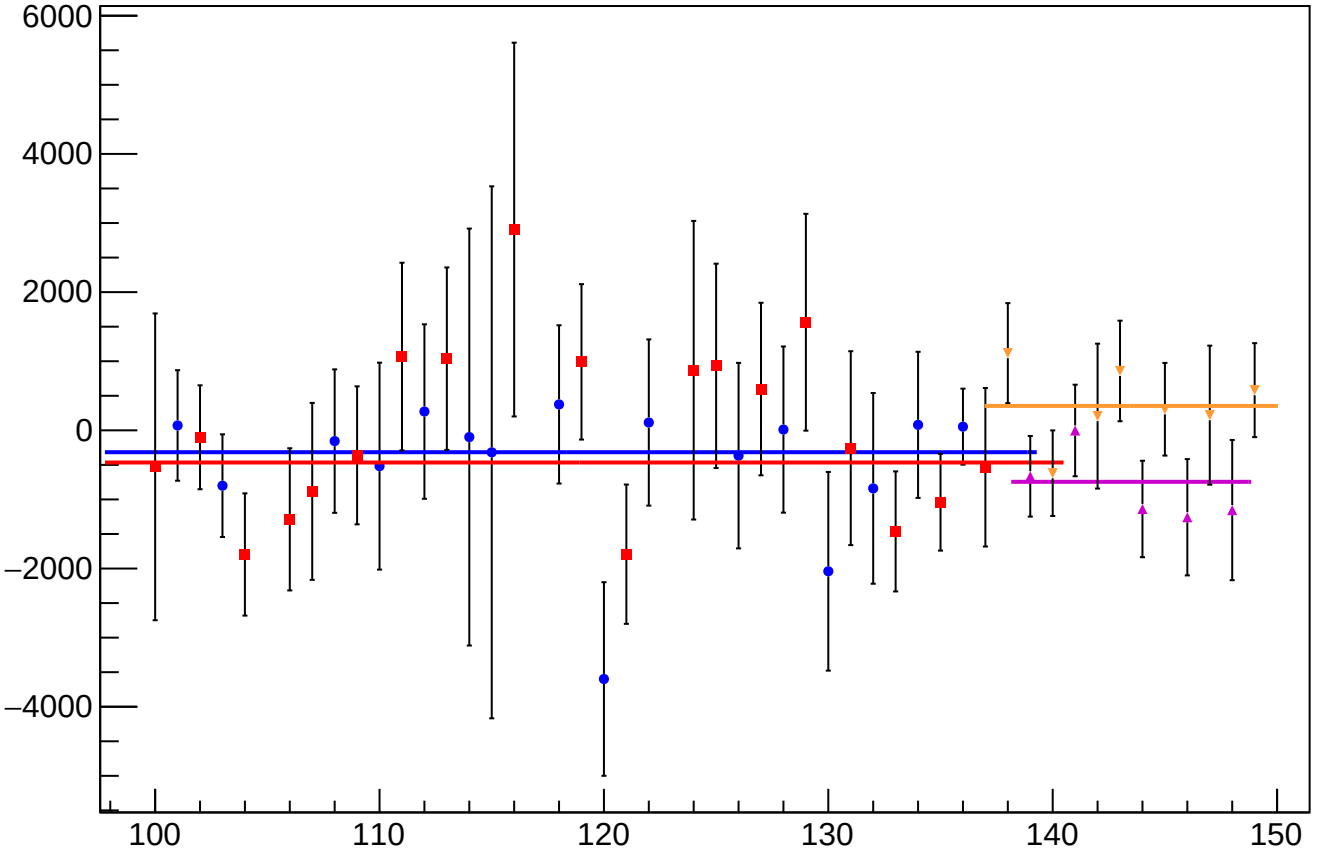
Left: 101.850+/-0.023 χ^2/NDF: 308989.8/11

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 99.513+/-0.021 χ^2/NDF:303638.4/20

Out: 98.527+/-0.020 χ^2/NDF:284686.5/25

All: 98.989+/-0.014 χ^2/NDF: 589520.7/46



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 353.009+/-280.691 χ^2/NDF:4.2/6

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -745.174+/-321.849 χ^2/NDF:2.1/4

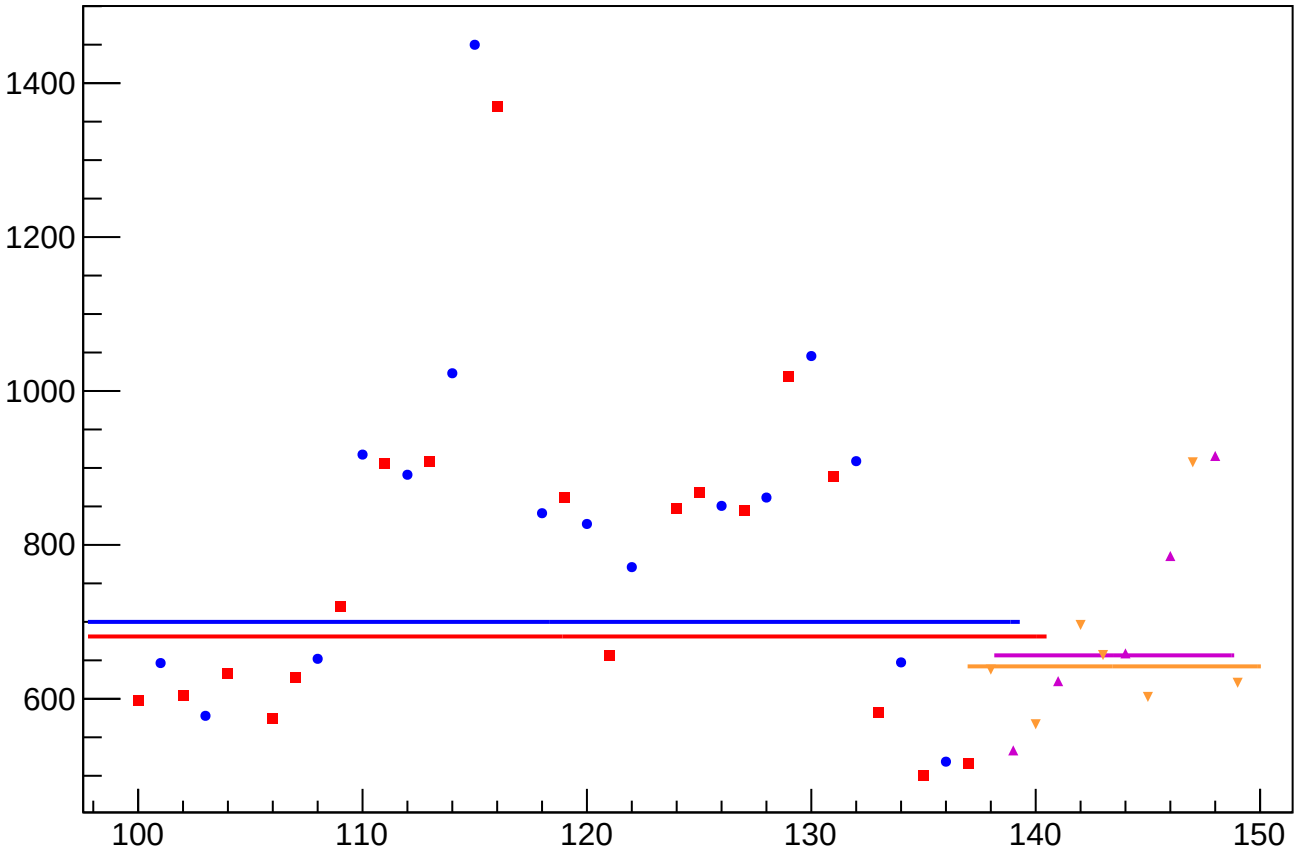
Left: -121.417+/-211.543 χ^2/NDF: 13.0/11

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -491.691+/-205.728 χ^2/NDF:12.3/20

Out: -92.842+/-189.407 χ^2/NDF:25.3/25

All: -275.820+/-139.344 χ^2/NDF: 39.7/46



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 642.169+/-0.198 χ^2/NDF:183527.9/6

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 656.479+/-0.228 χ^2/NDF:272273.5/4

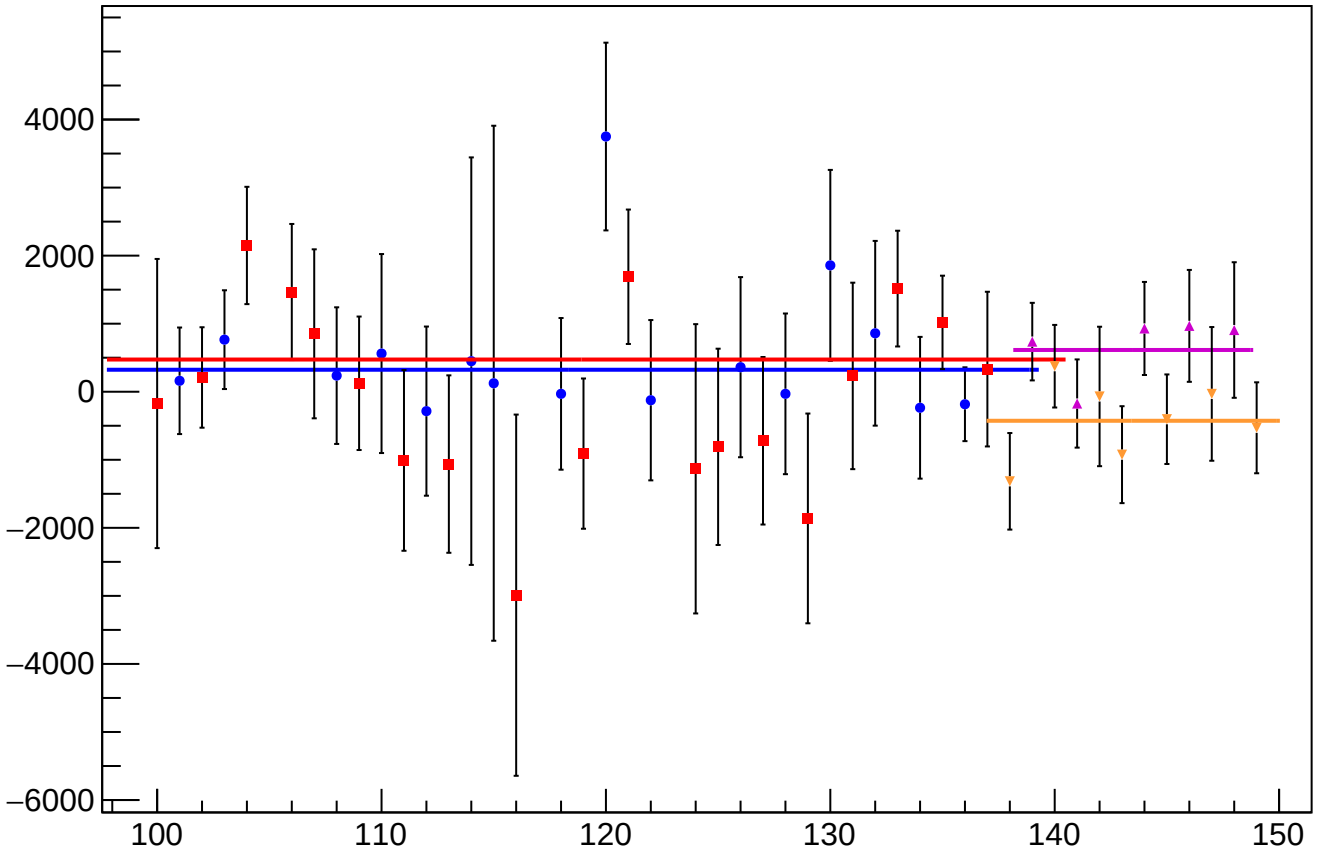
Left: 648.351+/-0.150 χ^2/NDF: 458046.9/11

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 682.201+/-0.145 χ^2/NDF:1047541.2/20

Out: 663.327+/-0.134 χ^2/NDF:973791.7/25

All: 671.986+/-0.099 χ^2/NDF: 2030443.8/46



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -426.739+/-275.139 χ^2/NDF:4.1/6

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: 23.693+/-207.192 χ^2/NDF: 12.3/11

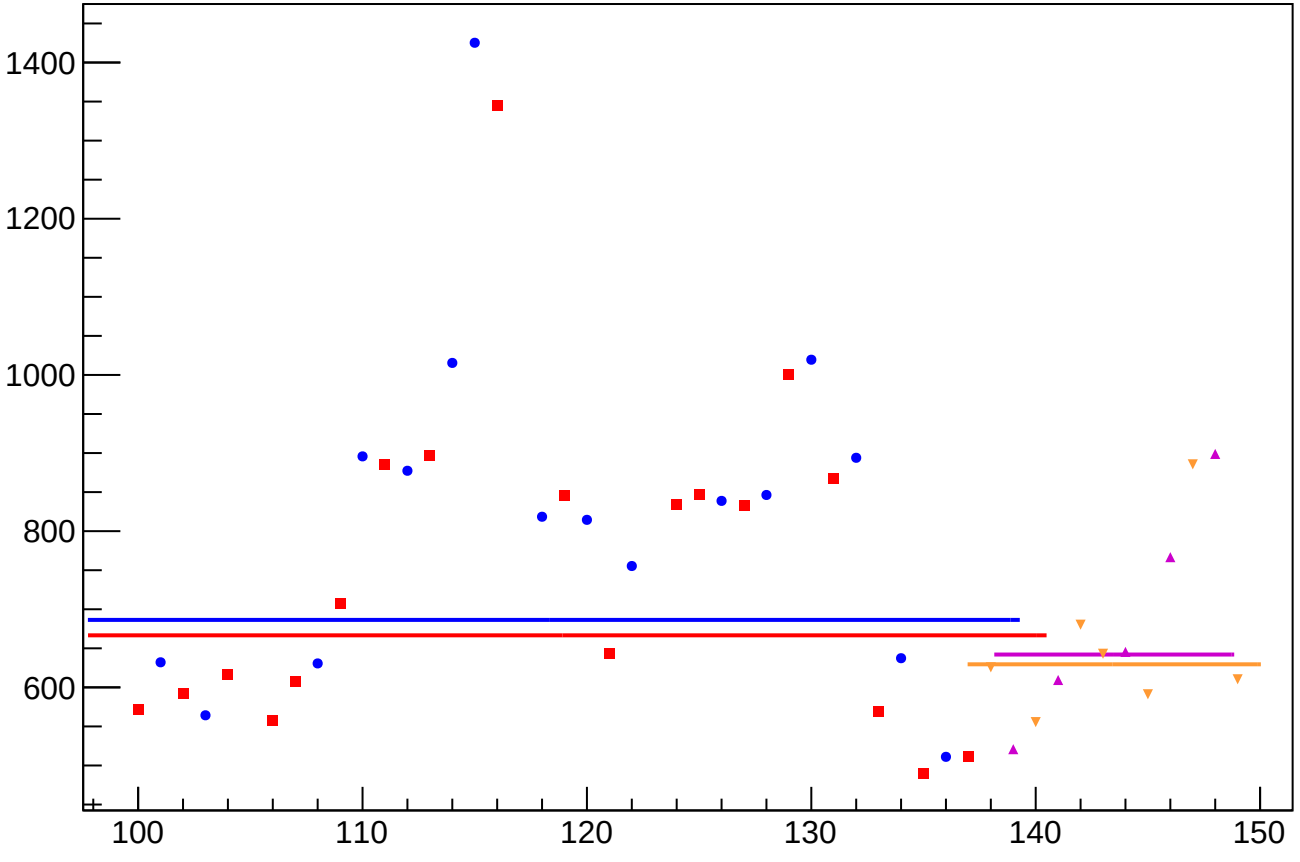
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 442.217+/-201.555 χ^2/NDF:12.2/20

Out: 63.864+/-185.564 χ^2/NDF:29.4/25

All: 237.438+/-136.518 χ^2/NDF: 43.5/46

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 629.532+/-0.195 χ^2/NDF:179691.2/6

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.043+/-0.223 χ^2/NDF:274480.0/4

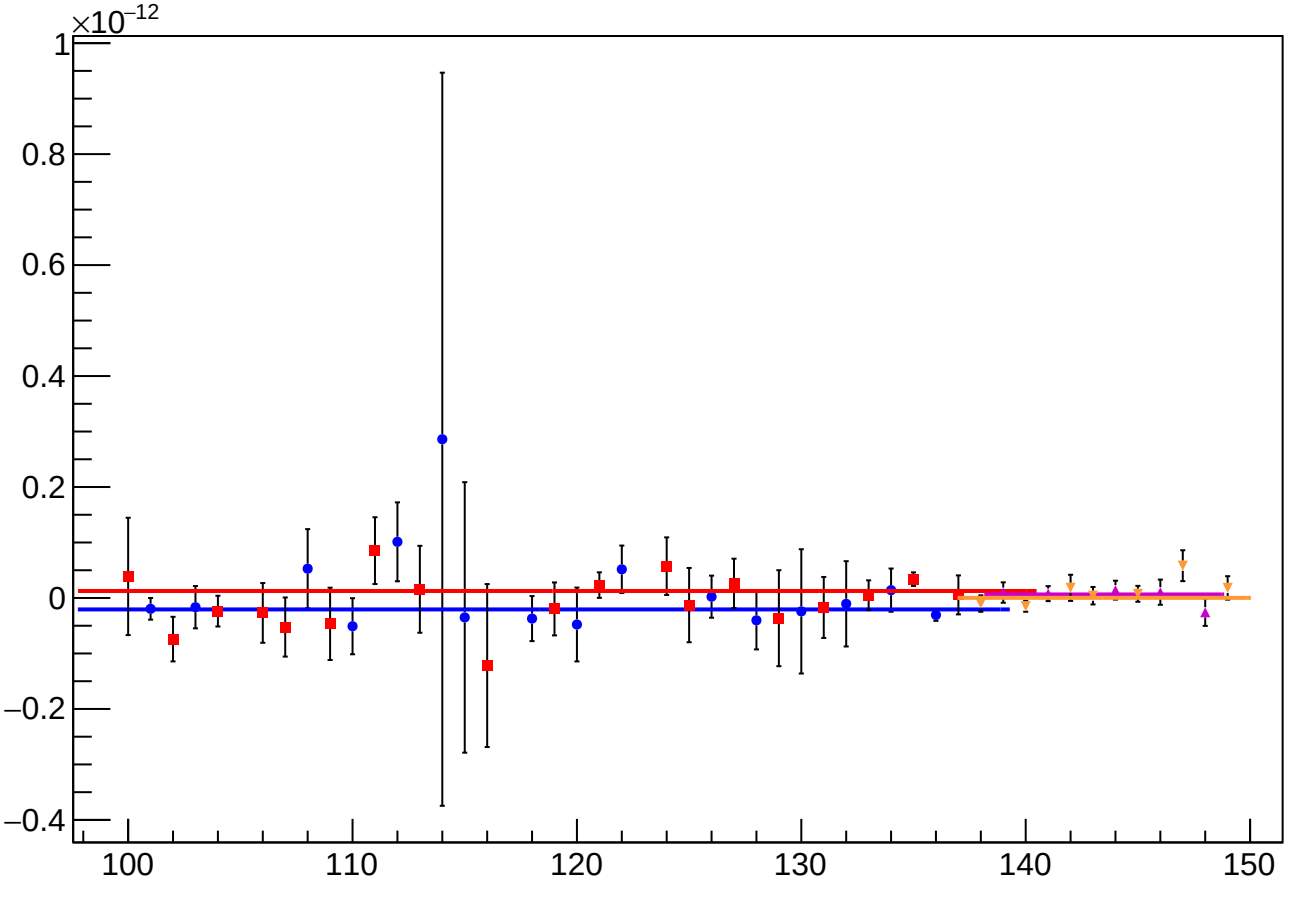
Left: 634.948+/-0.147 χ^2/NDF: 455961.6/11

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 668.224+/-0.143 χ^2/NDF:1047354.5/20

Out: 649.758+/-0.131 χ^2/NDF:976551.3/25

All: 658.229+/-0.097 χ^2/NDF: 2032992.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/4

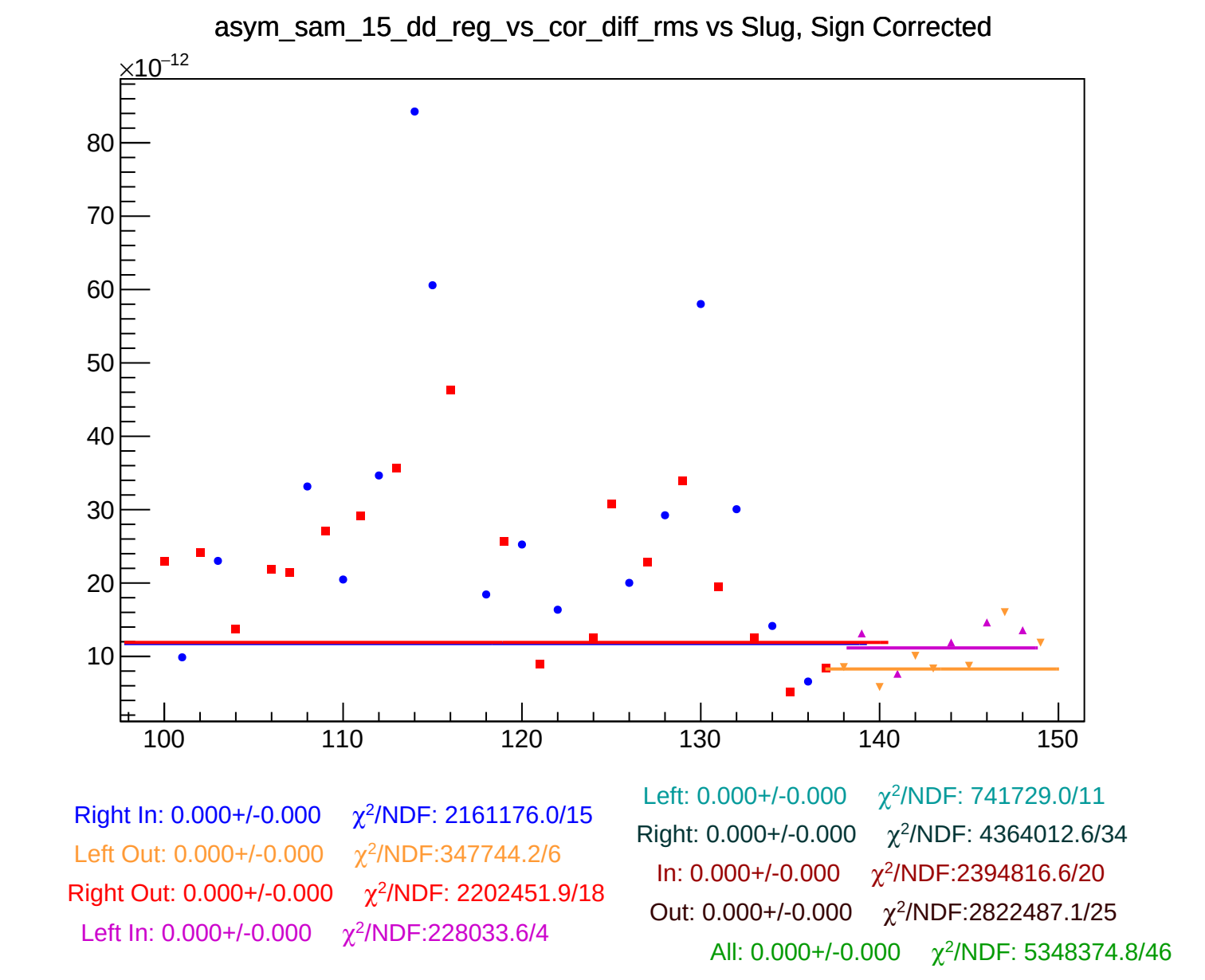
Left: 0.000+/-0.000 χ^2/NDF: 11.1/11

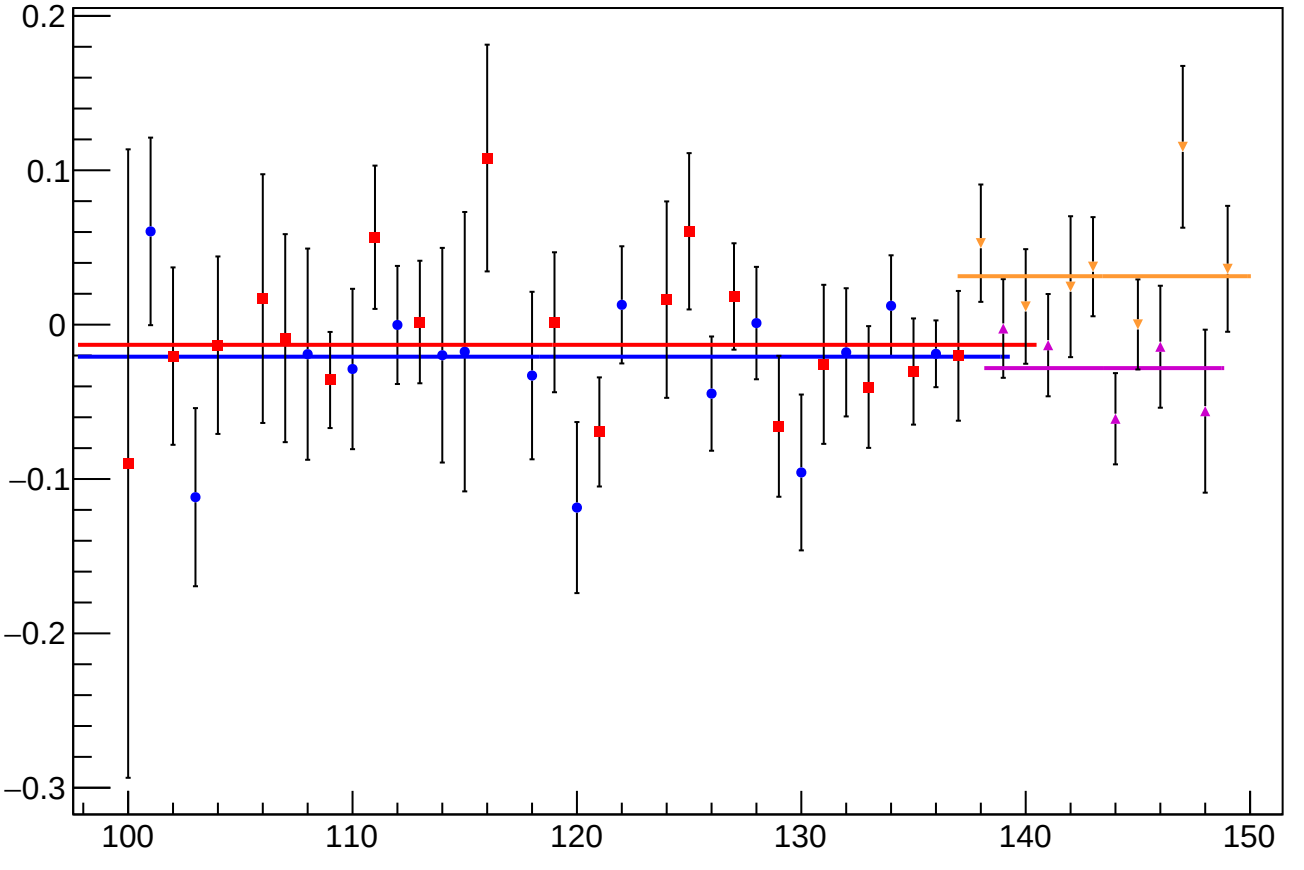
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.8/20

Out: 0.000+/-0.000 χ^2/NDF:27.3/25

All: -0.000+/-0.000 χ^2/NDF: 47.9/46


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:347744.2/6
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: 741729.0/11
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:2822487.1/25
All: 0.000+/-0.000 χ²/NDF: 5348374.8/46



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.014 χ^2/NDF:4.4/6

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.028+/-0.016 χ^2/NDF:2.5/4

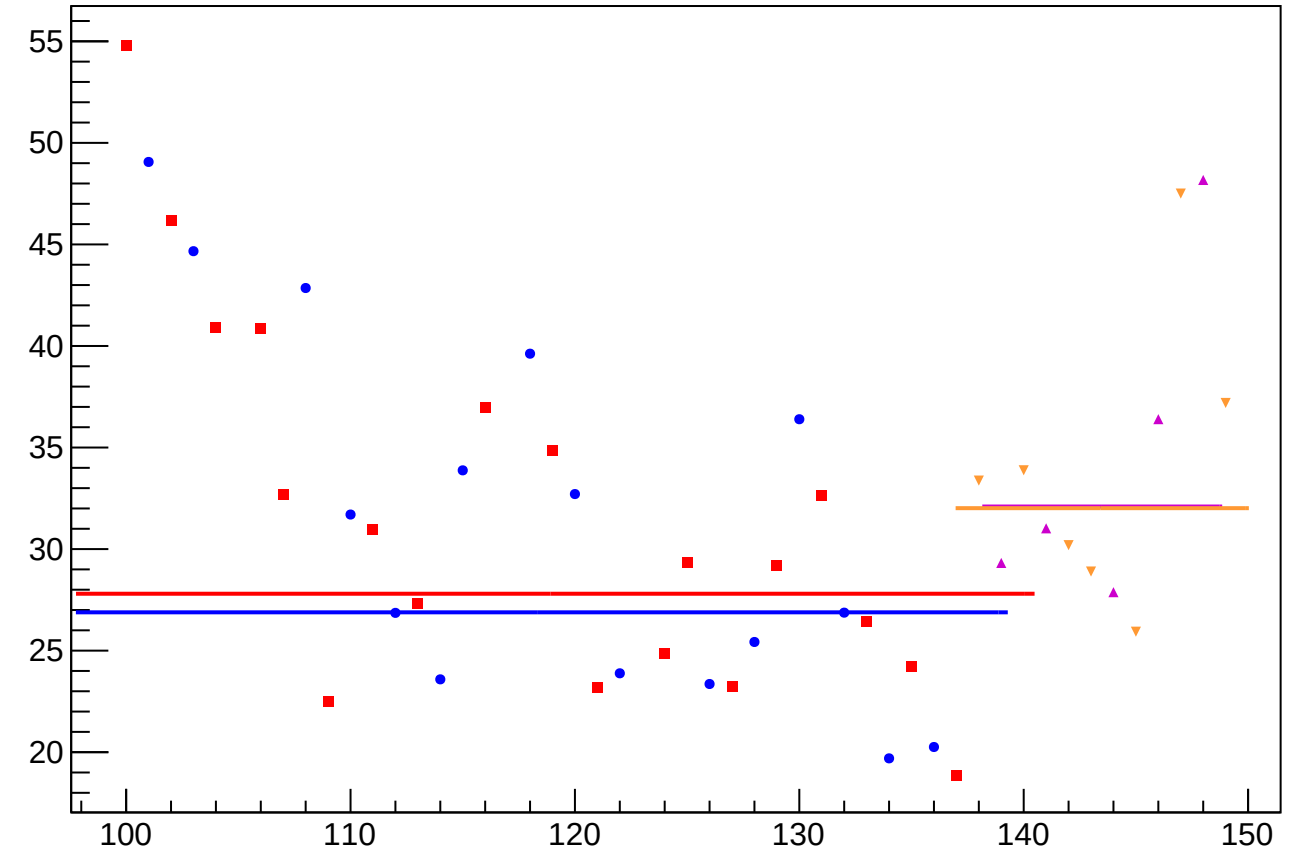
Left: 0.005+/-0.011 χ^2/NDF: 14.8/11

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:15.2/20

Out: 0.003+/-0.008 χ^2/NDF:24.6/25

All: -0.010+/-0.006 χ^2/NDF: 44.3/46



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.015+/-0.010 χ^2/NDF:323570.5/6

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.096+/-0.011 χ^2/NDF:267119.8/4

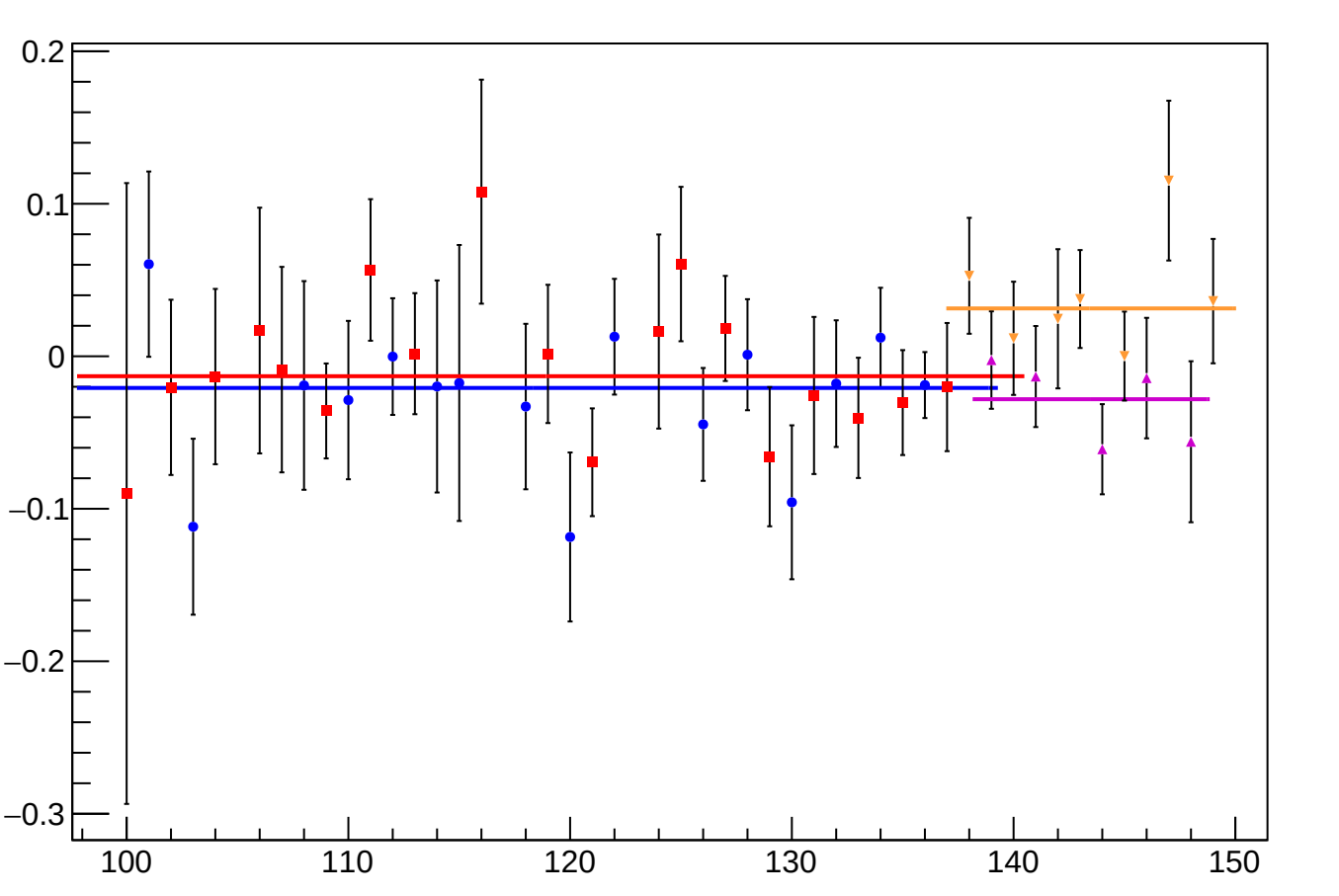
Left: 32.051+/-0.007 χ^2/NDF: 590720.0/11

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 28.492+/-0.006 χ^2/NDF:1539171.3/20

Out: 29.308+/-0.006 χ^2/NDF:1200874.7/25

All: 28.914+/-0.004 χ^2/NDF: 2749063.6/46



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.014 χ^2/NDF:4.4/6

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: 0.005+/-0.011 χ^2/NDF: 14.8/11

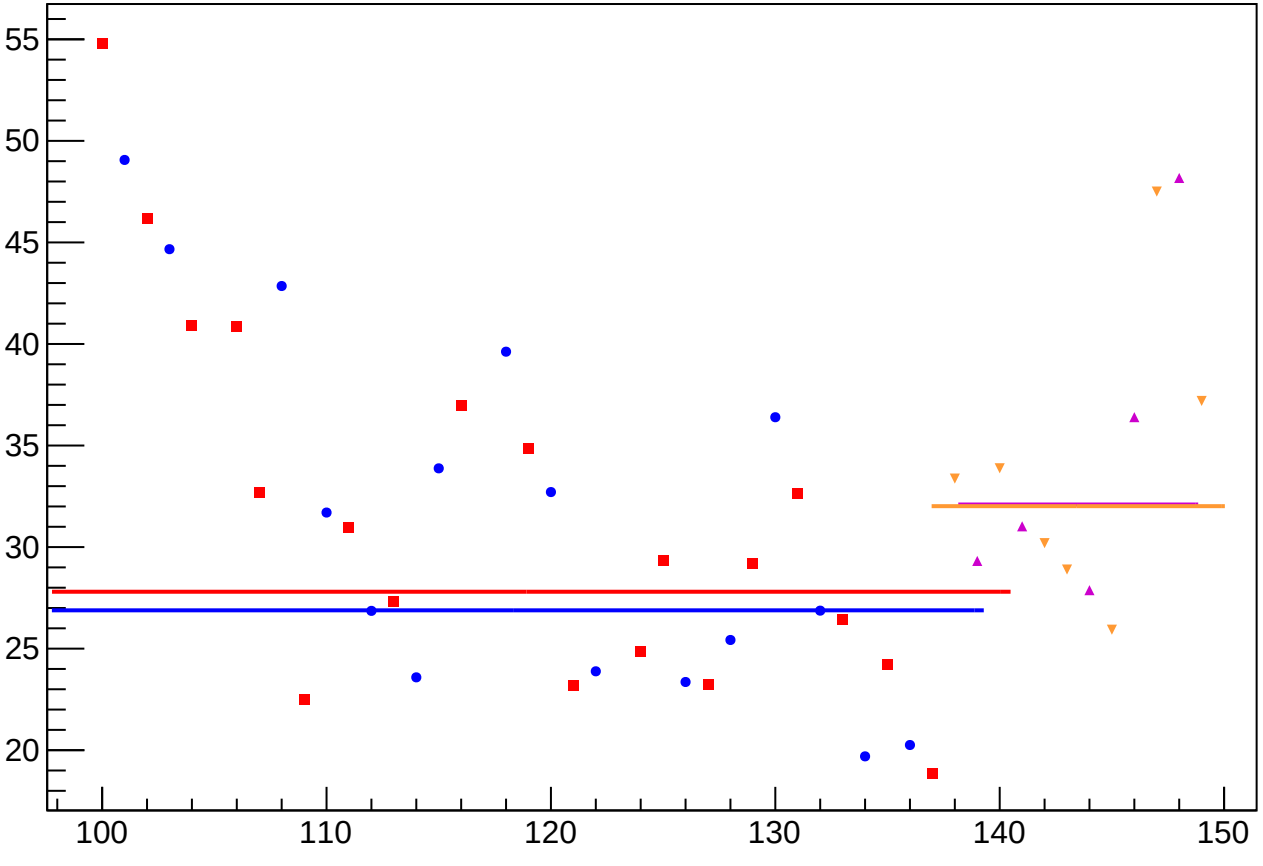
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:15.2/20

Out: 0.003+/-0.008 χ^2/NDF:24.6/25

All: -0.010+/-0.006 χ^2/NDF: 44.3/46

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.015+/-0.010 χ^2/NDF:323570.5/6

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.096+/-0.011 χ^2/NDF:267119.8/4

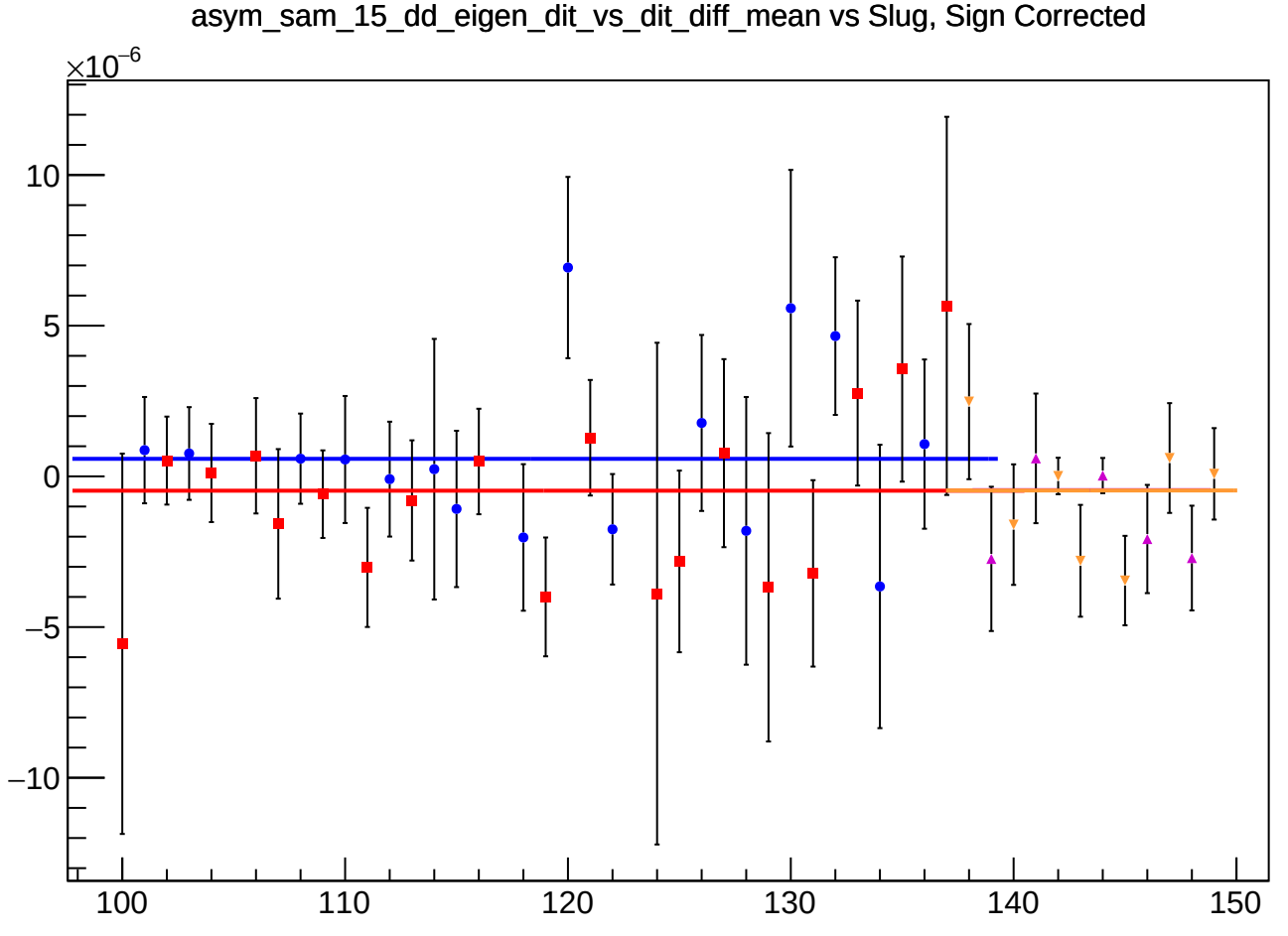
Left: 32.051+/-0.007 χ^2/NDF: 590720.0/11

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 28.492+/-0.006 χ^2/NDF:1539171.3/20

Out: 29.308+/-0.006 χ^2/NDF:1200874.7/25

All: 28.914+/-0.004 χ^2/NDF: 2749063.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/4

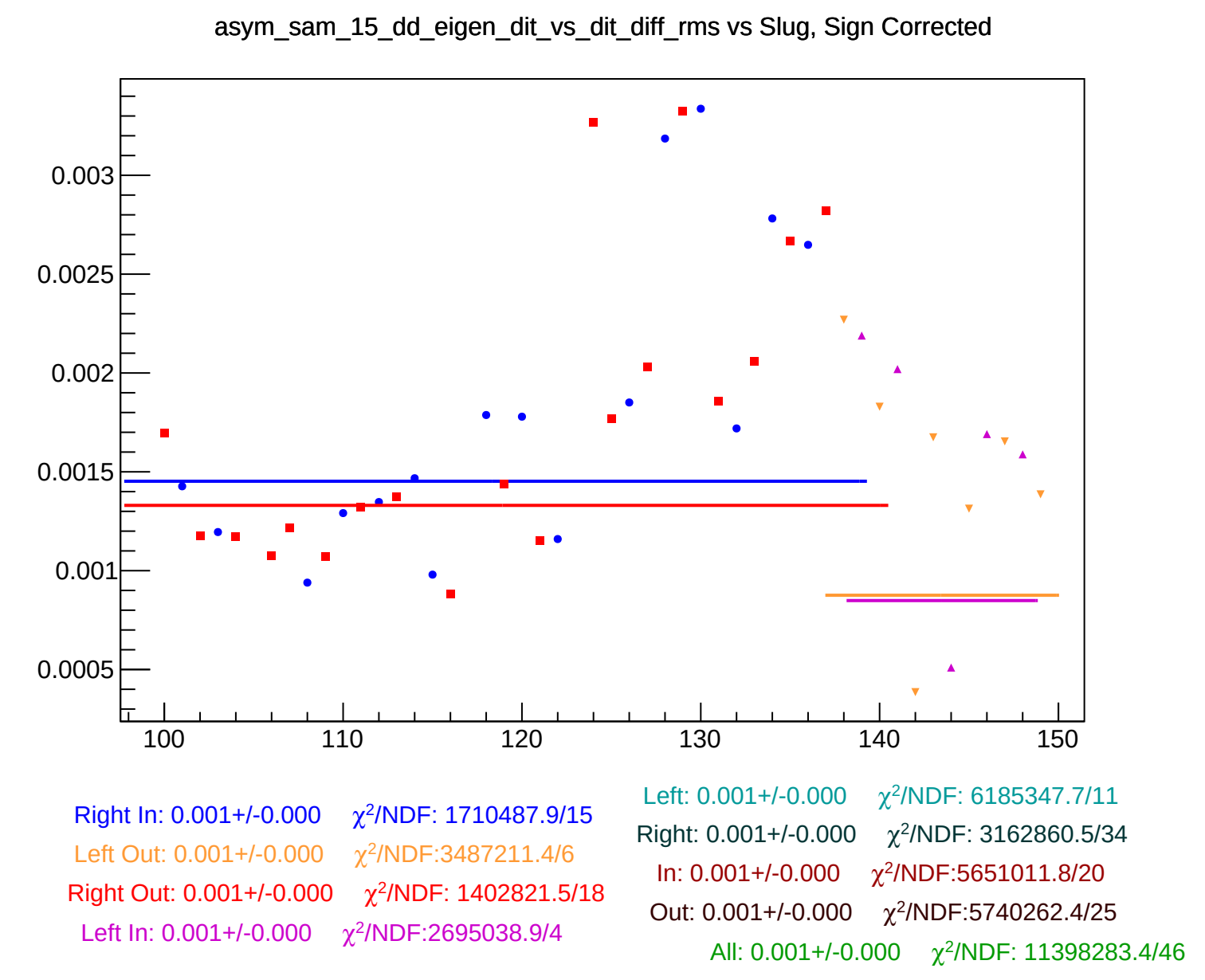
Left: -0.000+/-0.000 χ^2/NDF: 12.7/11

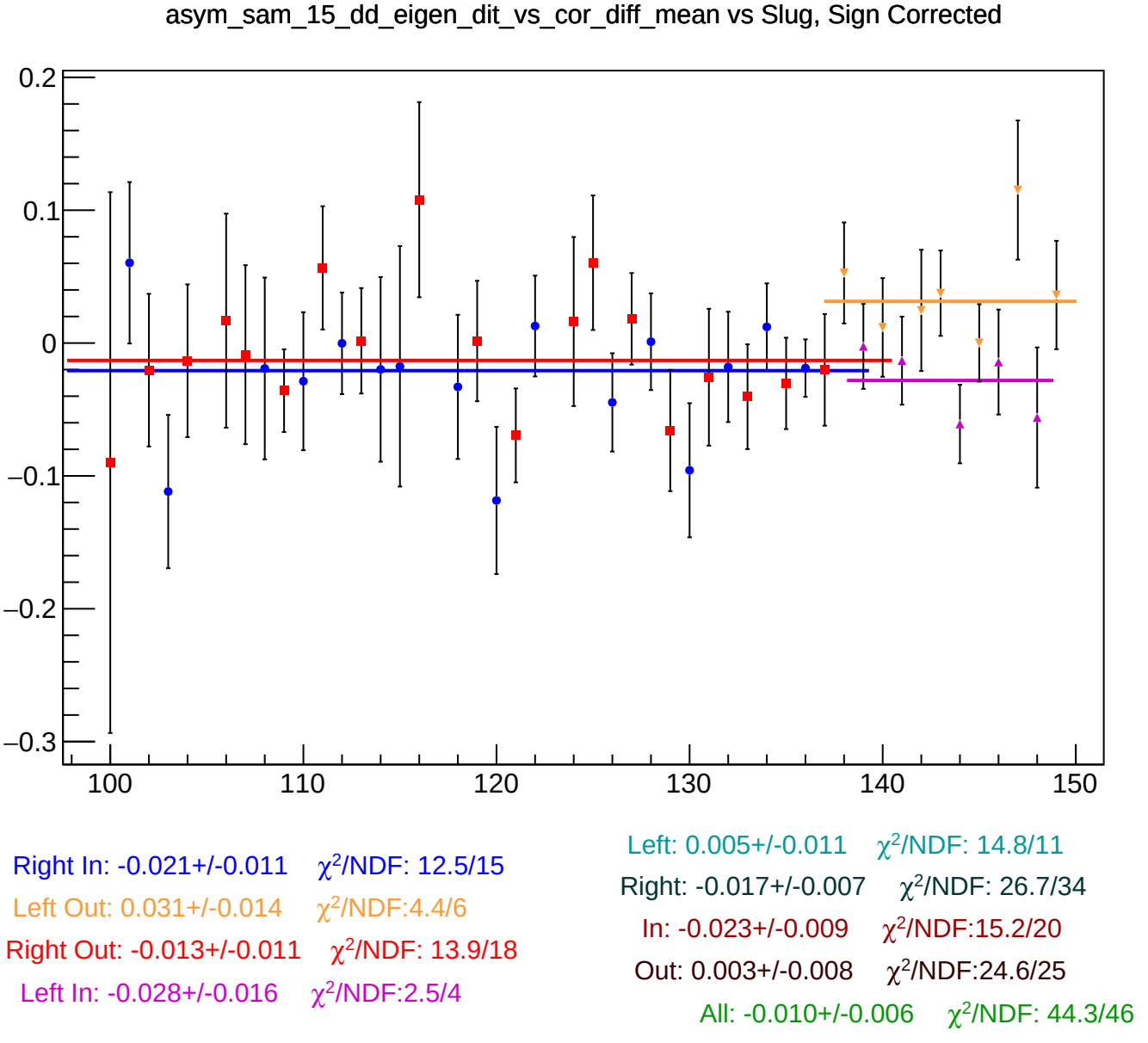
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/20

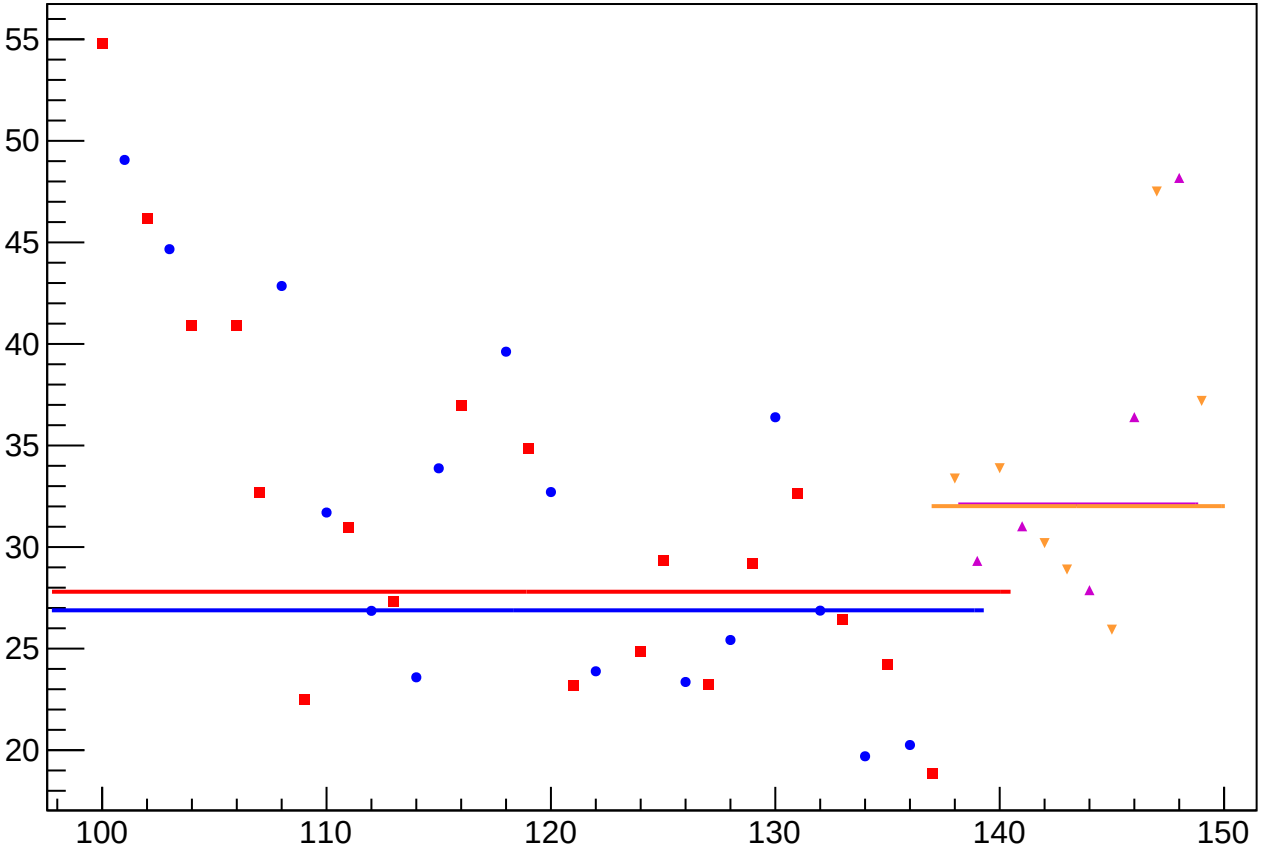
Out: -0.000+/-0.000 χ^2/NDF:21.6/25

All: -0.000+/-0.000 χ^2/NDF: 41.3/46


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3487211.4/6
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:2695038.9/4
Left: 0.001+/-0.000 χ²/NDF: 6185347.7/11
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:5651011.8/20
Out: 0.001+/-0.000 χ²/NDF:5740262.4/25
All: 0.001+/-0.000 χ²/NDF: 11398283.4/46


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+/-0.014 χ²/NDF:4.4/6
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.028+/-0.016 χ²/NDF:2.5/4
Left: 0.005+/-0.011 χ²/NDF: 14.8/11
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.023+/-0.009 χ²/NDF:15.2/20
Out: 0.003+/-0.008 χ²/NDF:24.6/25
All: -0.010+/-0.006 χ²/NDF: 44.3/46

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: 32.015+/-0.010 χ^2/NDF:323622.1/6

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: 32.051+/-0.007 χ^2/NDF: 590779.5/11

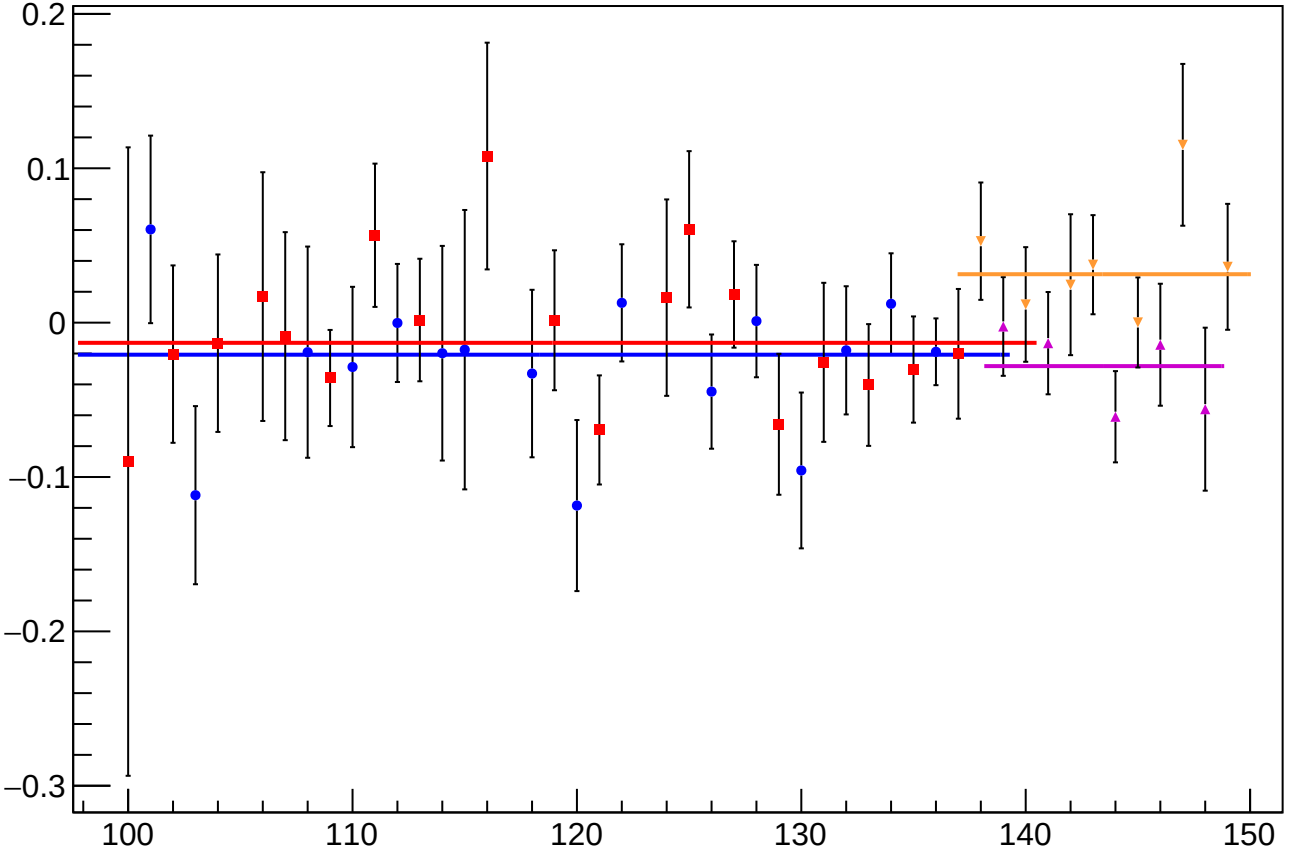
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 28.491+/-0.006 χ^2/NDF:1539279.7/20

Out: 29.307+/-0.006 χ^2/NDF:1201116.9/25

All: 28.913+/-0.004 χ^2/NDF: 2749405.5/46

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+/-0.014 χ^2/NDF:4.4/6

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: 0.005+/-0.011 χ^2/NDF: 14.8/11

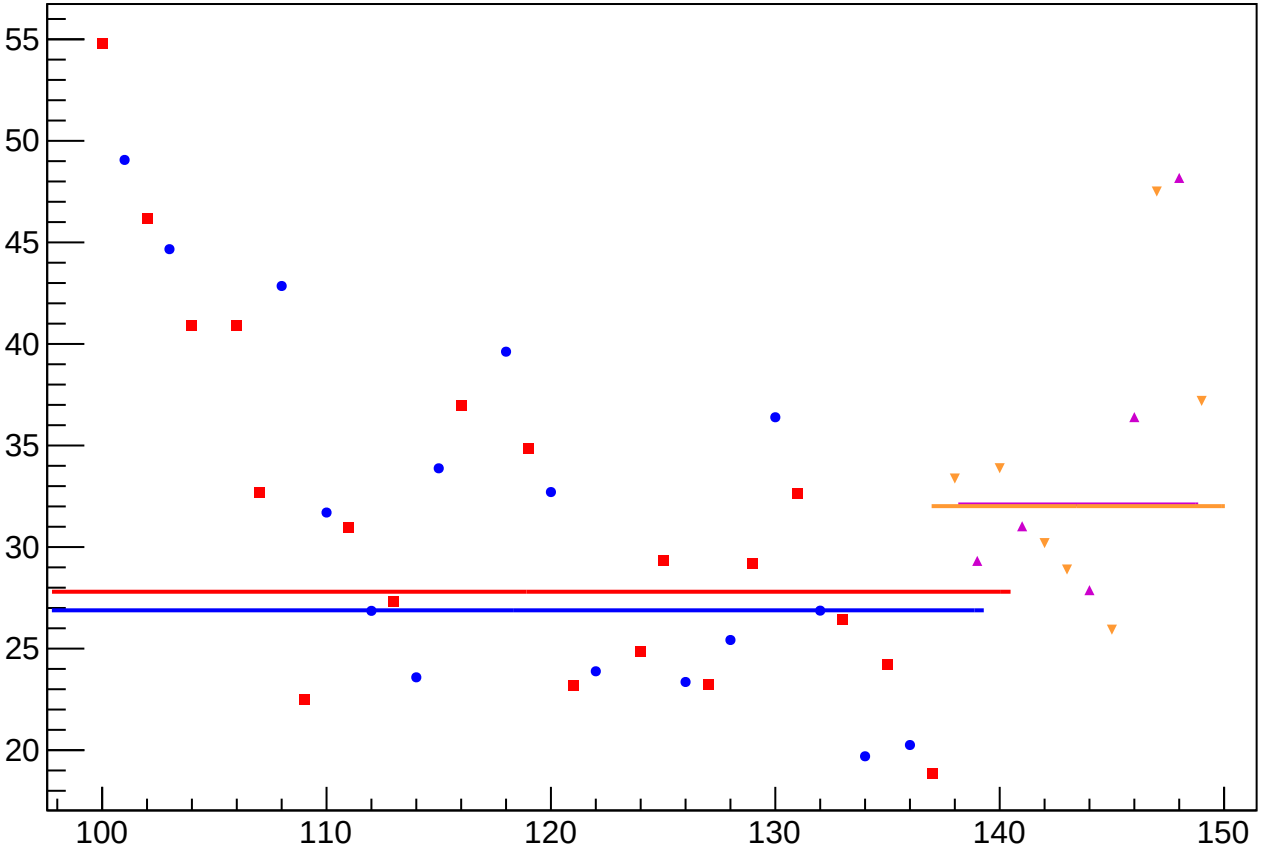
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.023+/-0.009 χ^2/NDF:15.2/20

Out: 0.003+/-0.008 χ^2/NDF:24.6/25

All: -0.010+/-0.006 χ^2/NDF: 44.3/46

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: 32.015+/-0.010 χ^2/NDF:323622.1/6

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.097+/-0.011 χ^2/NDF:267127.3/4

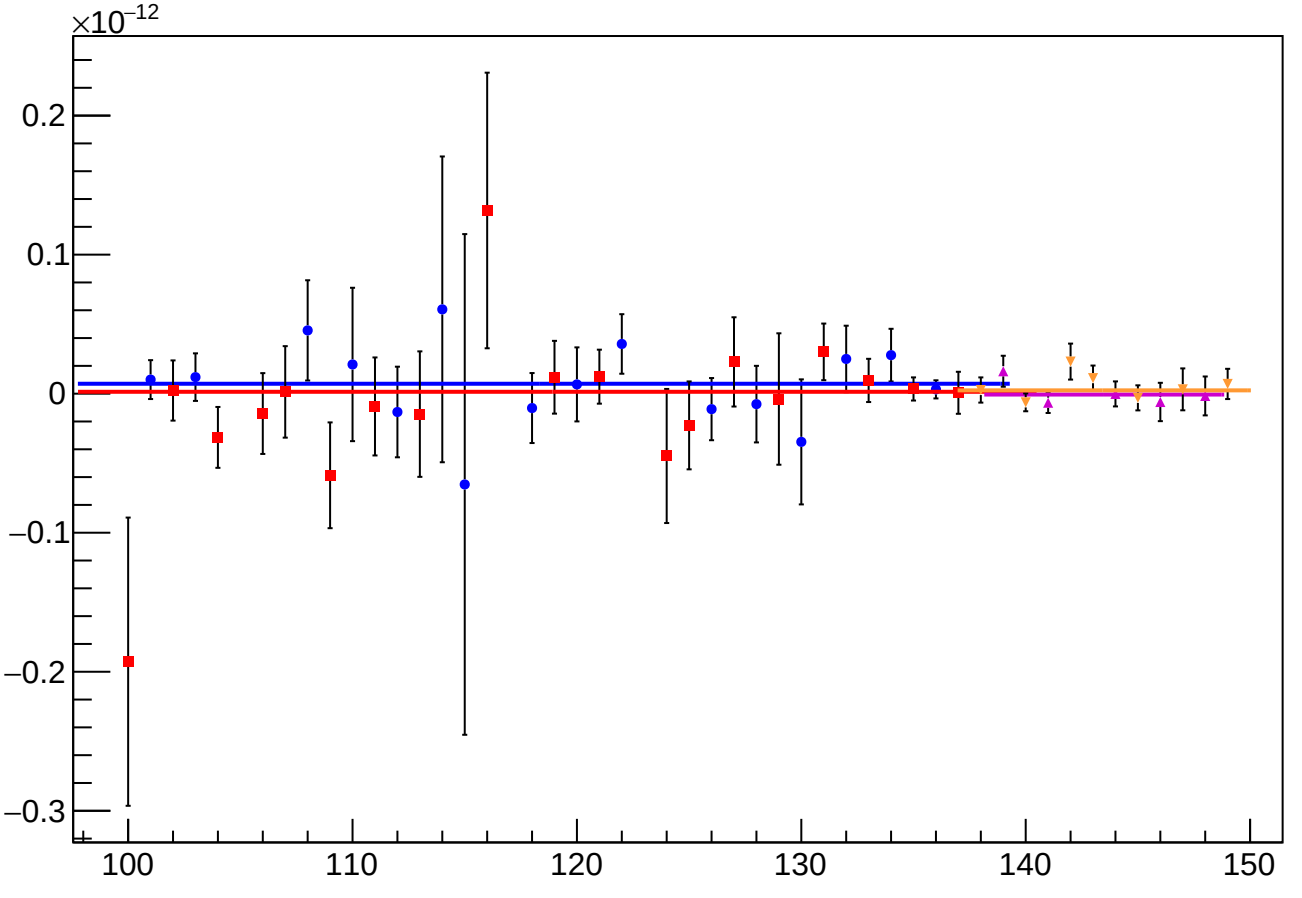
Left: 32.051+/-0.007 χ^2/NDF: 590779.5/11

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 28.491+/-0.006 χ^2/NDF:1539279.7/20

Out: 29.307+/-0.006 χ^2/NDF:1201116.9/25

All: 28.913+/-0.004 χ^2/NDF: 2749405.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/6

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: 9.2/11

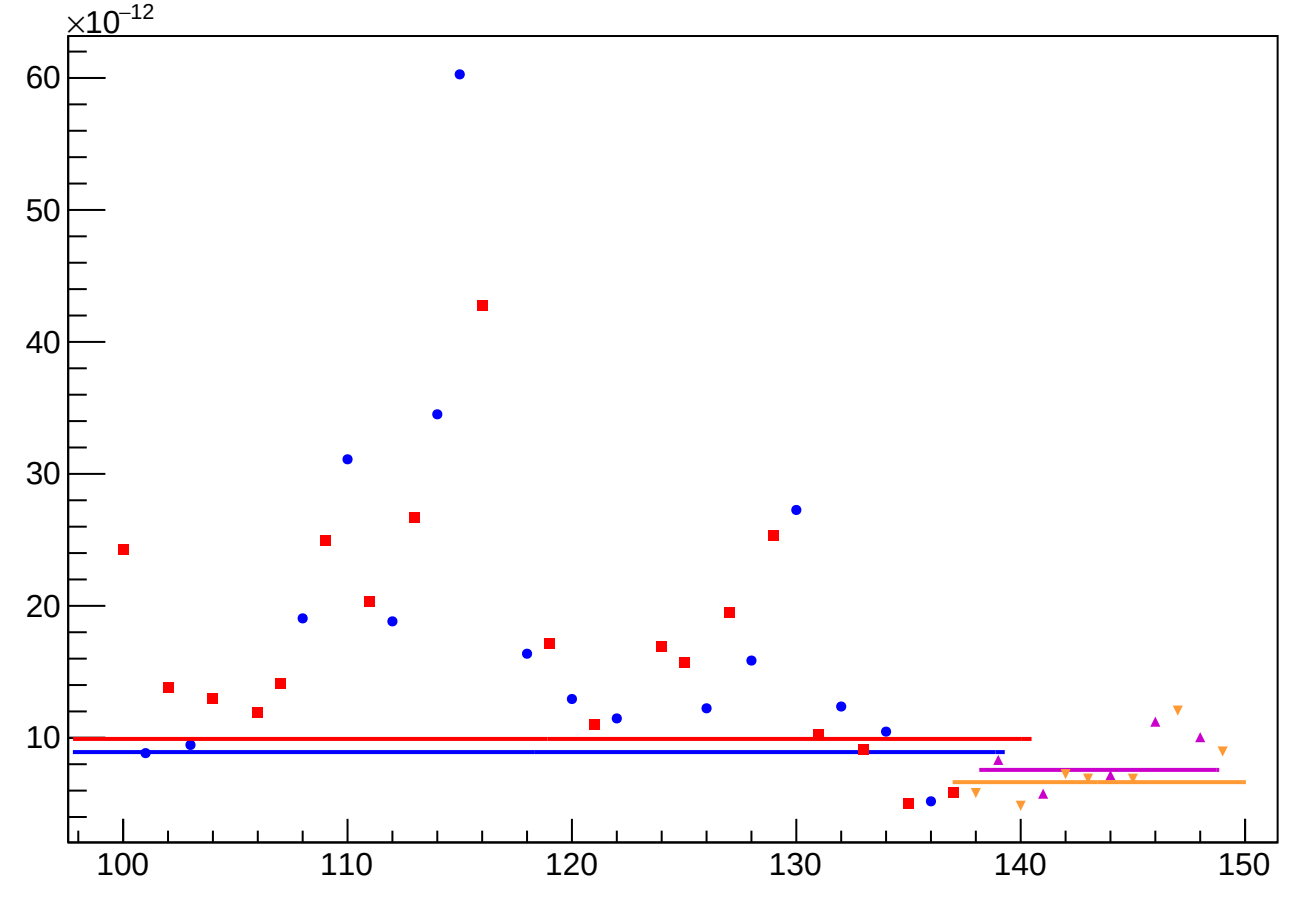
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:12.8/20

Out: 0.000+/-0.000 χ^2/NDF:21.1/25

All: 0.000+/-0.000 χ^2/NDF: 34.0/46

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:529622.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:335662.2/4

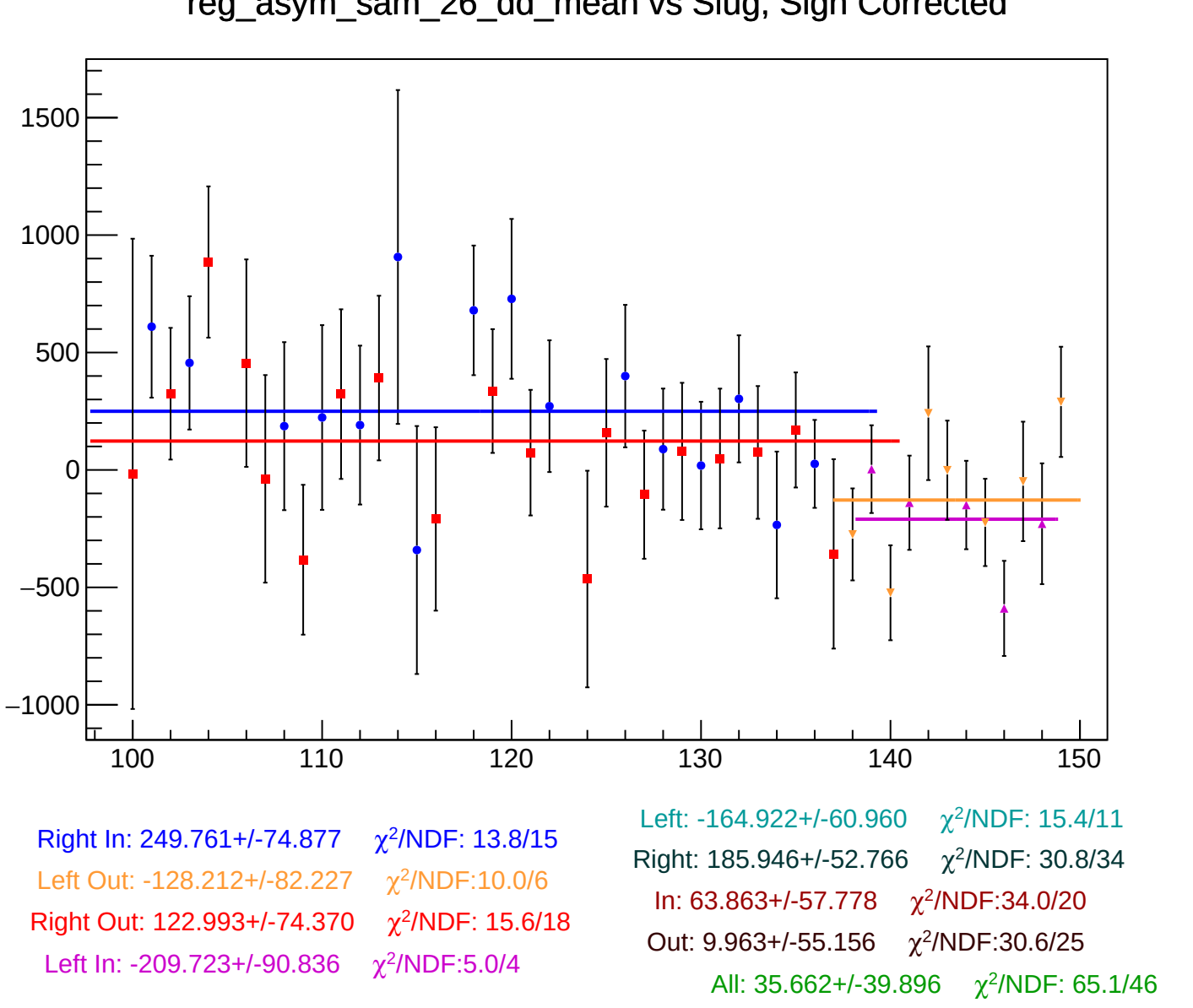
Left: 0.000+/-0.000 χ^2/NDF: 917693.9/11

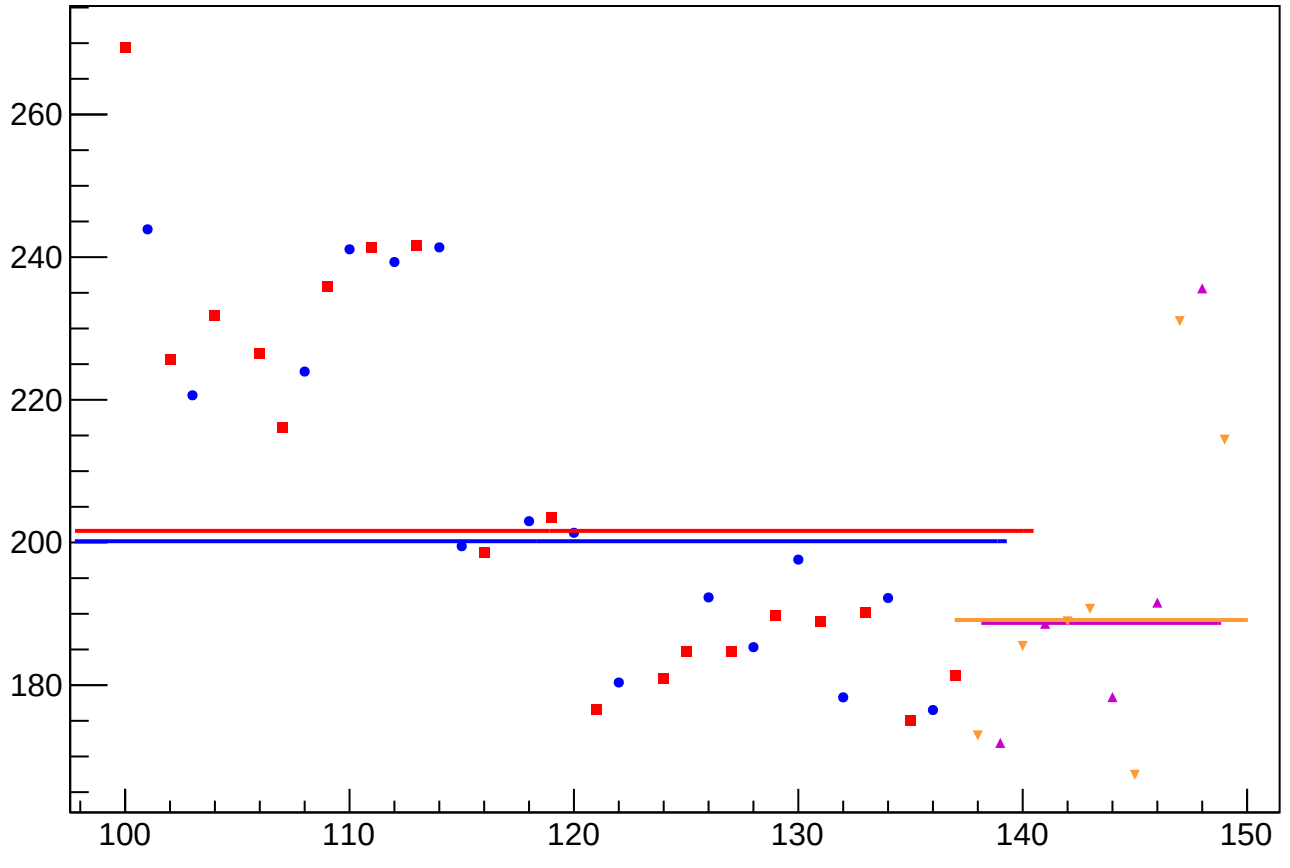
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2826547.0/20

Out: 0.000+/-0.000 χ^2/NDF:3778755.4/25

All: 0.000+/-0.000 χ^2/NDF: 6630567.1/46


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: 249.761+/-74.877 χ²/NDF: 13.8/15
Left Out: -128.212+/-82.227 χ²/NDF:10.0/6
Right Out: 122.993+/-74.370 χ²/NDF: 15.6/18
Left In: -209.723+/-90.836 χ²/NDF:5.0/4
Left: -164.922+/-60.960 χ²/NDF: 15.4/11
Right: 185.946+/-52.766 χ²/NDF: 30.8/34
In: 63.863+/-57.778 χ²/NDF:34.0/20
Out: 9.963+/-55.156 χ²/NDF:30.6/25
All: 35.662+/-39.896 χ²/NDF: 65.1/46



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 189.131+/-0.058 χ^2/NDF:119225.4/6

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 188.728+/-0.064 χ^2/NDF:89221.0/4

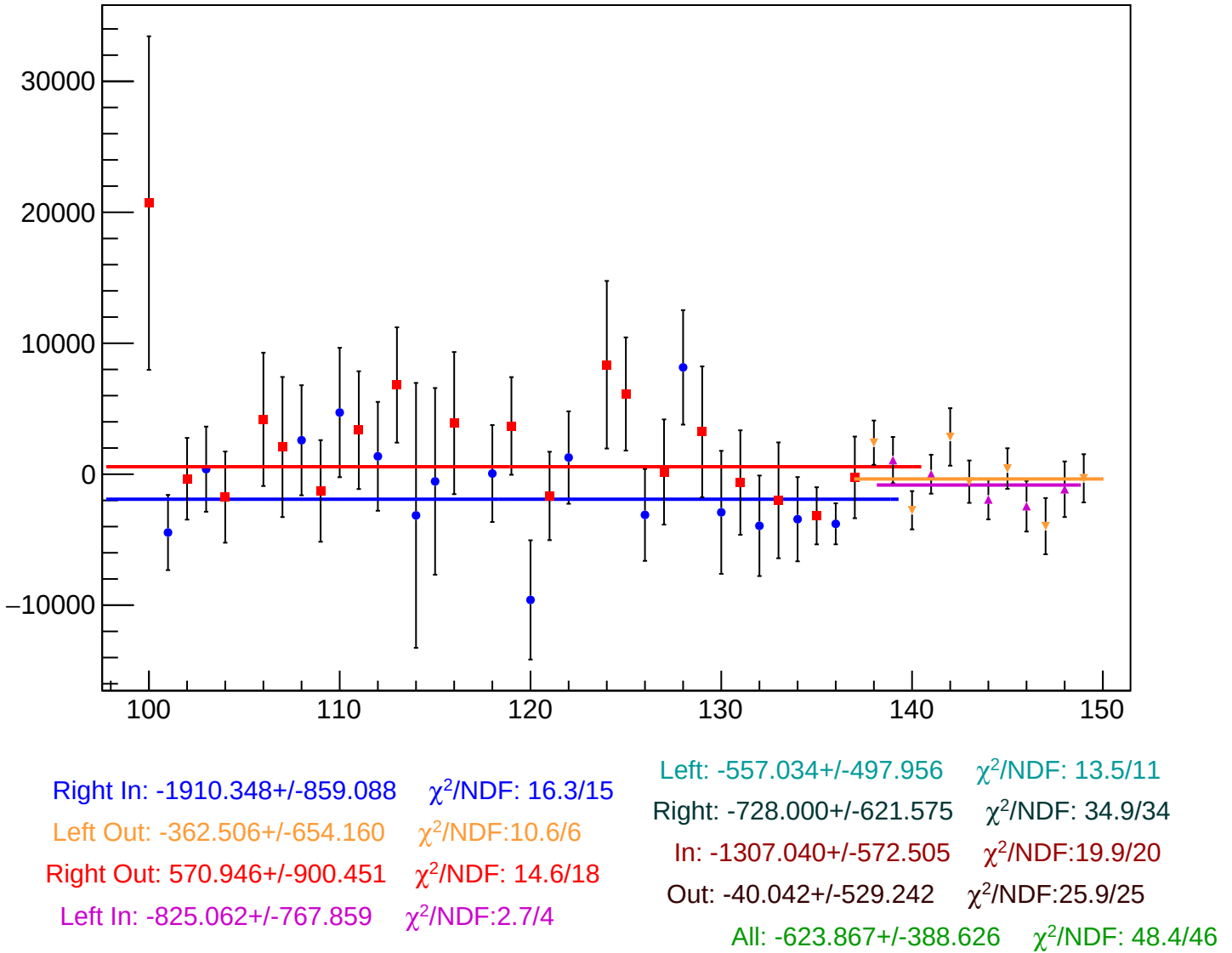
Left: 188.950+/-0.043 χ^2/NDF: 208467.9/11

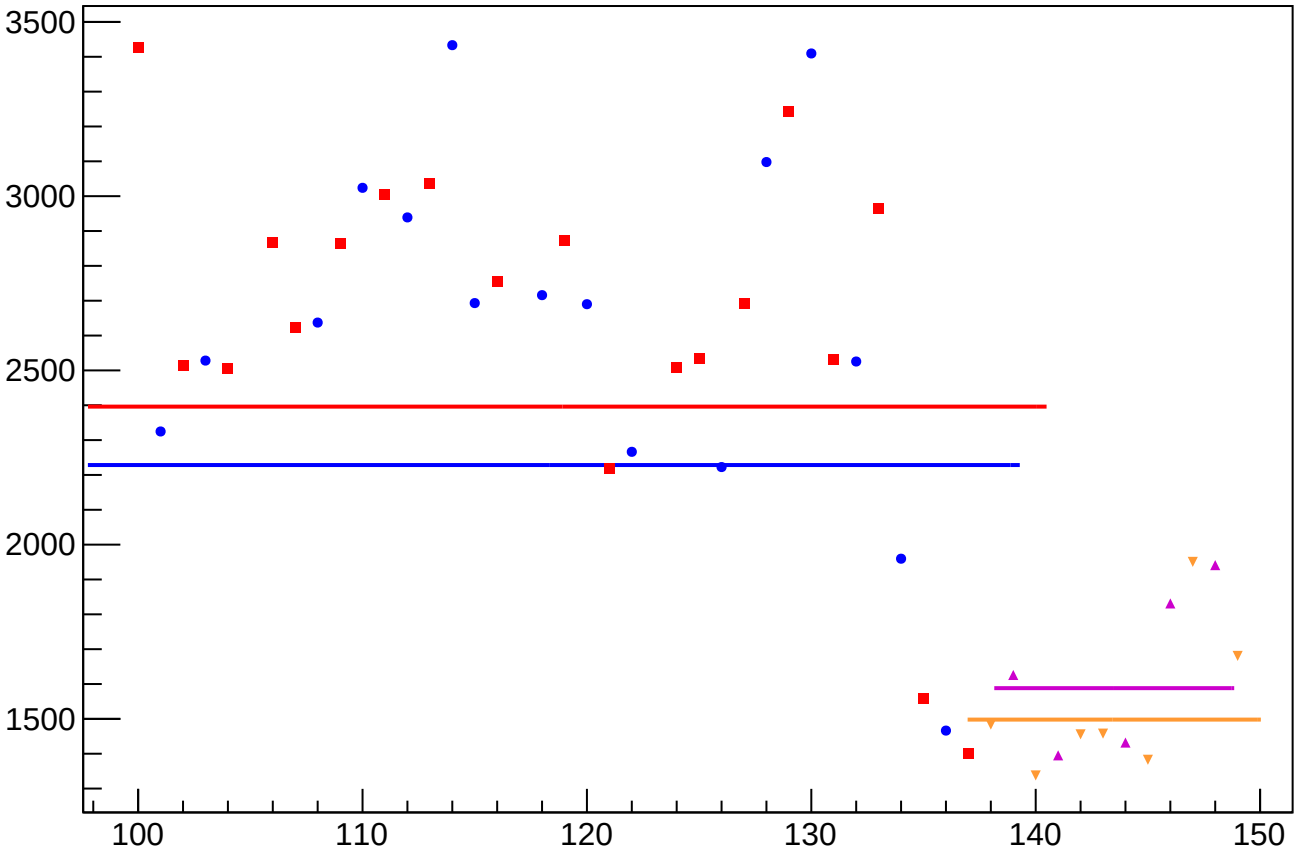
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 195.545+/-0.041 χ^2/NDF:289138.4/20

Out: 196.004+/-0.039 χ^2/NDF:341879.0/25

All: 195.785+/-0.028 χ^2/NDF: 631083.5/46


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -362.506+/-654.160 χ²/NDF:10.6/6
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: -825.062+/-767.859 χ²/NDF:2.7/4
Left: -557.034+/-497.956 χ²/NDF: 13.5/11
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -1307.040+/-572.505 χ²/NDF:19.9/20
Out: -40.042+/-529.242 χ²/NDF:25.9/25
All: -623.867+/-388.626 χ²/NDF: 48.4/46



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1497.914+/-0.463 χ^2/NDF:145933.2/6

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1588.157+/-0.543 χ^2/NDF:142584.0/4

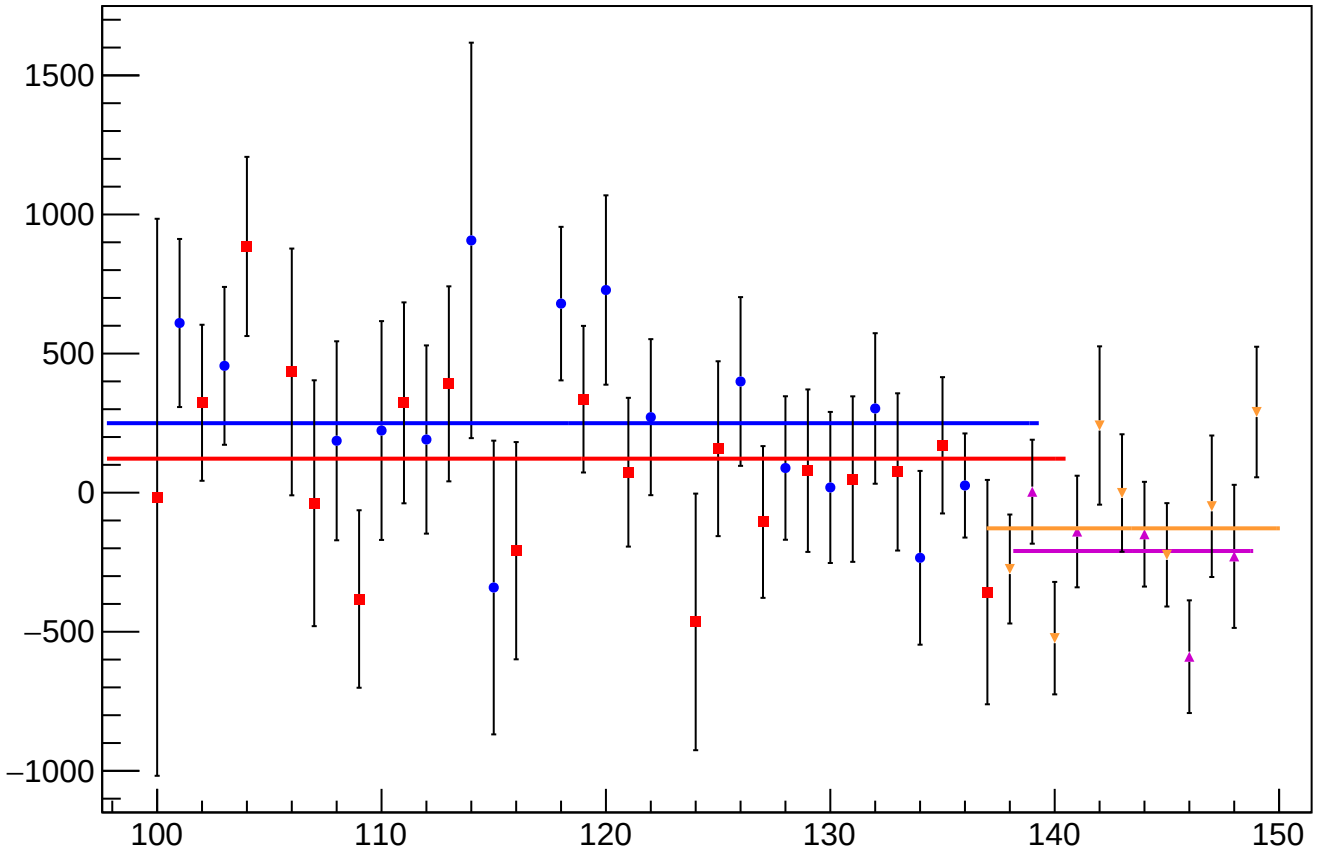
Left: 1535.866+/-0.352 χ^2/NDF: 304524.0/11

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1872.504+/-0.405 χ^2/NDF:1707803.0/20

Out: 1808.188+/-0.374 χ^2/NDF:2247832.4/25

All: 1837.824+/-0.275 χ^2/NDF: 3969245.9/46



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -128.215+/-82.227 χ^2/NDF:10.0/6

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -209.717+/-90.836 χ^2/NDF:5.0/4

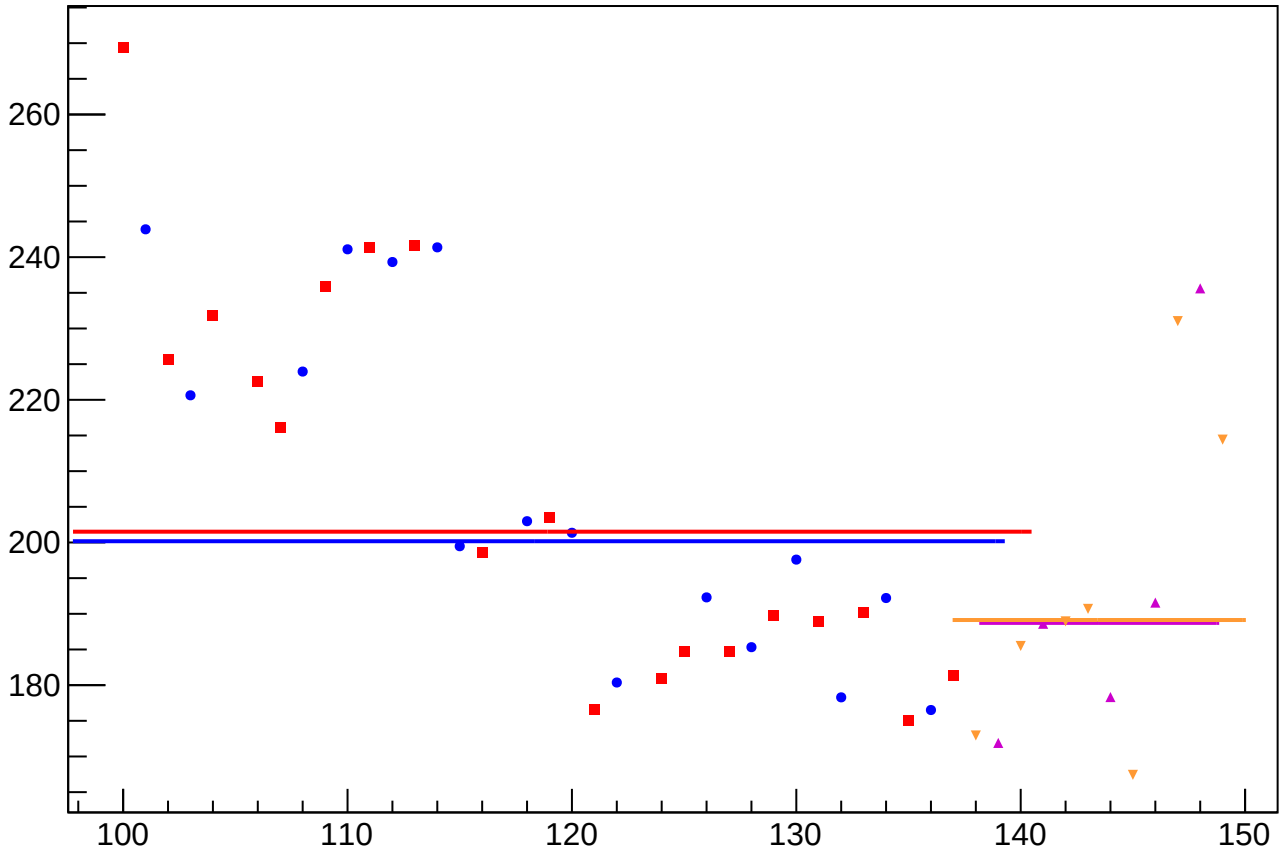
Left: -164.921+/-60.960 χ^2/NDF: 15.4/11

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 63.867+/-57.778 χ^2/NDF:34.0/20

Out: 9.513+/-55.161 χ^2/NDF:30.5/25

All: 35.431+/-39.898 χ^2/NDF: 65.0/46



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 189.131+/-0.058 χ^2/NDF:119225.4/6

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: 188.950+/-0.043 χ^2/NDF: 208467.9/11

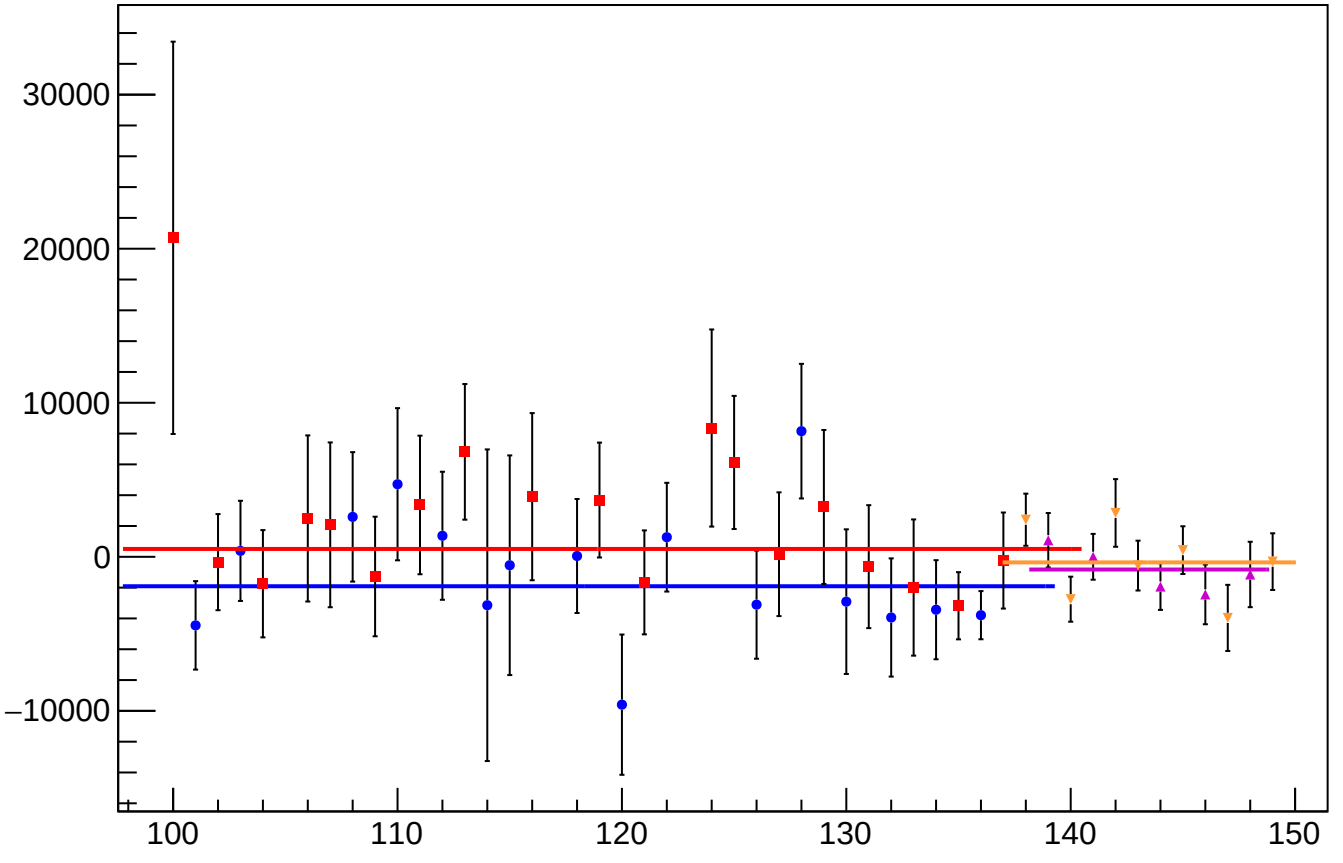
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.545+/-0.041 χ^2/NDF:289138.7/20

Out: 195.941+/-0.039 χ^2/NDF:339604.9/25

All: 195.752+/-0.028 χ^2/NDF: 628792.9/46

asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -362.510+/-654.160 χ^2/NDF:10.6/6

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -825.033+/-767.859 χ^2/NDF:2.7/4

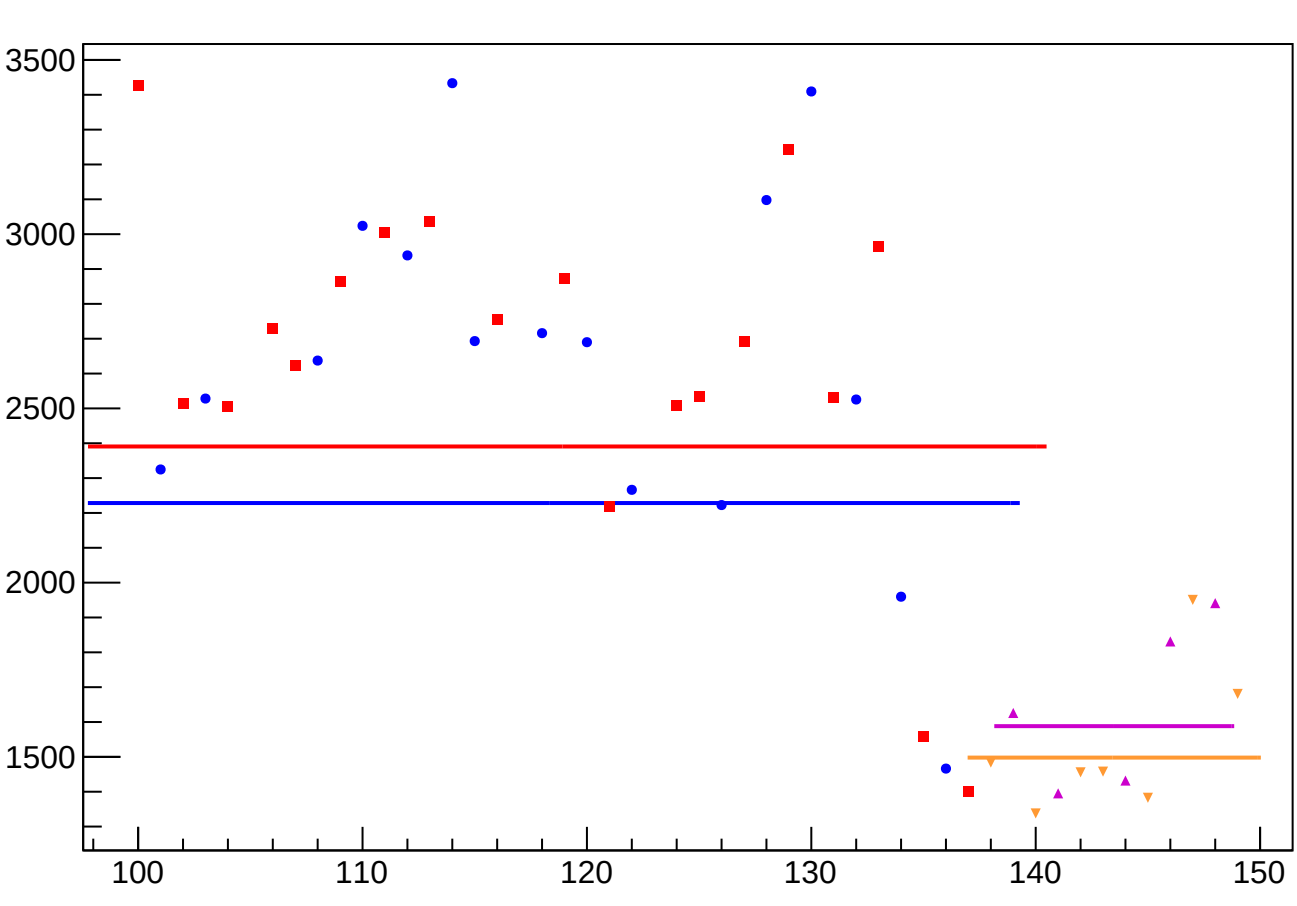
Left: -557.025+/-497.956 χ^2/NDF: 13.5/11

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1307.006+/-572.505 χ^2/NDF:19.9/20

Out: -61.343+/-529.559 χ^2/NDF:25.5/25

All: -635.706+/-388.752 χ^2/NDF: 47.9/46



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1497.914+/-0.463 χ^2/NDF:145933.5/6

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

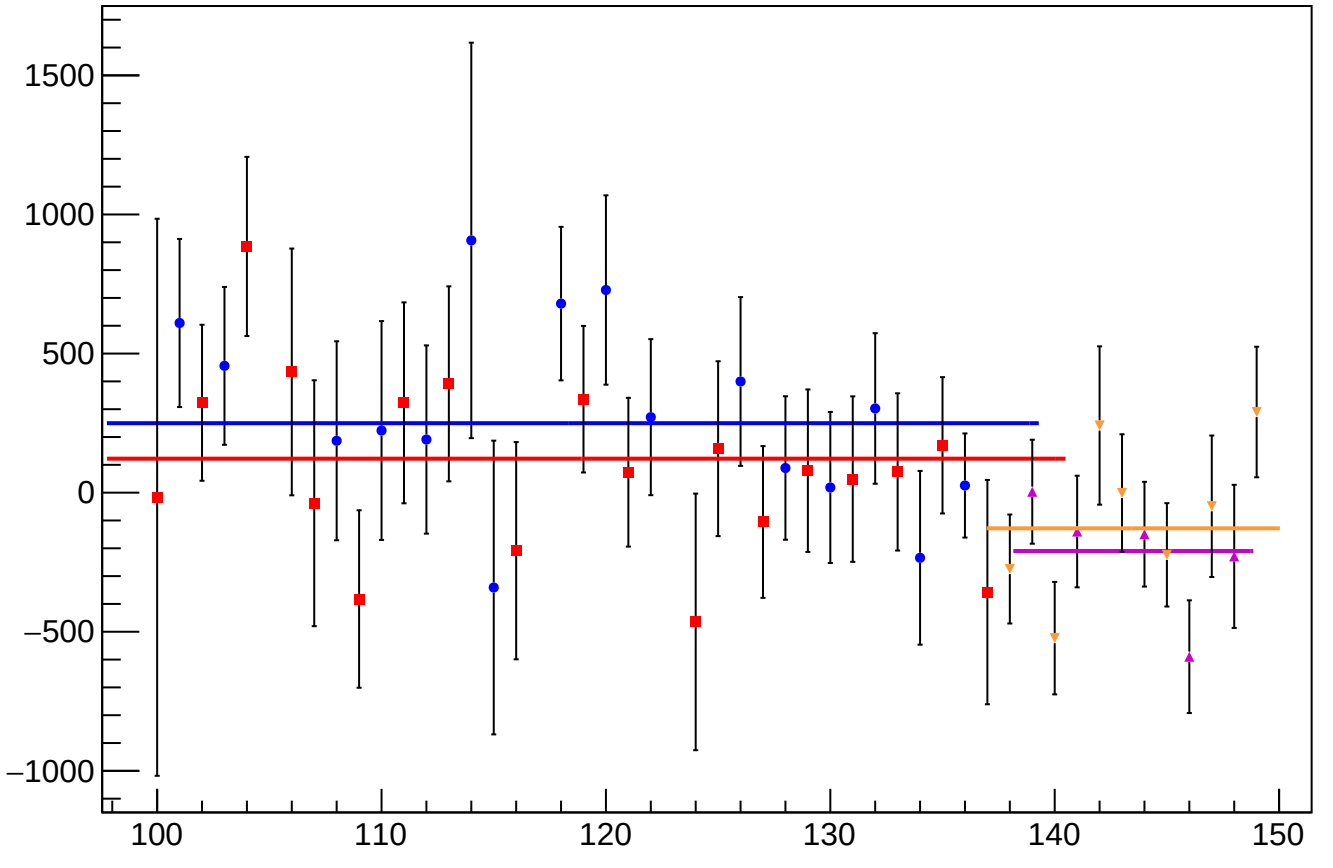
Left: 1535.866+/-0.352 χ^2/NDF: 304524.9/11

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1872.505+/-0.405 χ^2/NDF:1707813.5/20

Out: 1805.640+/-0.374 χ^2/NDF:2220008.7/25

All: 1836.471+/-0.275 χ^2/NDF: 3942524.7/46



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -128.215+/-82.227 χ^2/NDF:10.0/6

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -209.717+/-90.836 χ^2/NDF:5.0/4

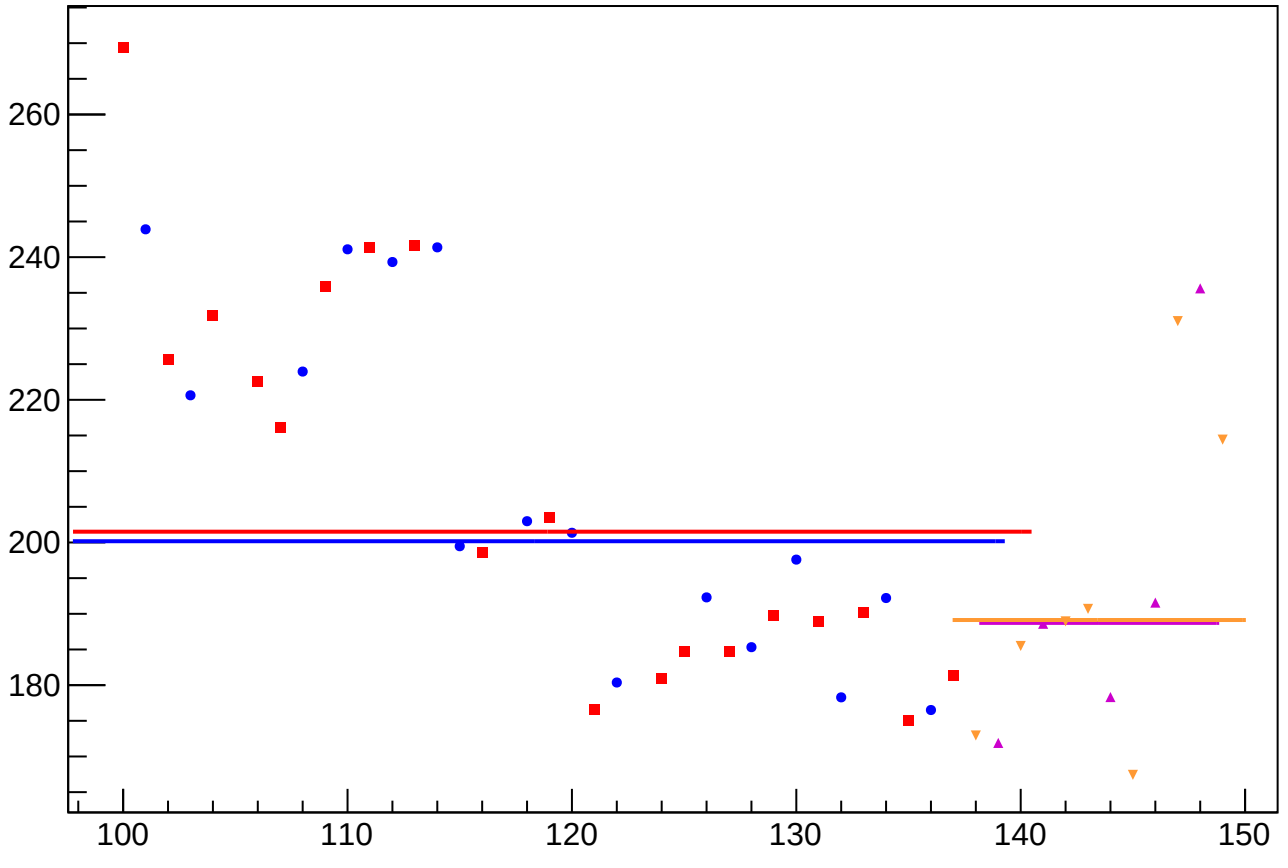
Left: -164.921+/-60.960 χ^2/NDF: 15.4/11

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 63.867+/-57.778 χ^2/NDF:34.0/20

Out: 9.513+/-55.161 χ^2/NDF:30.5/25

All: 35.431+/-39.898 χ^2/NDF: 65.0/46



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 189.131+/-0.058 χ^2/NDF:119225.4/6

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: 188.950+/-0.043 χ^2/NDF: 208467.9/11

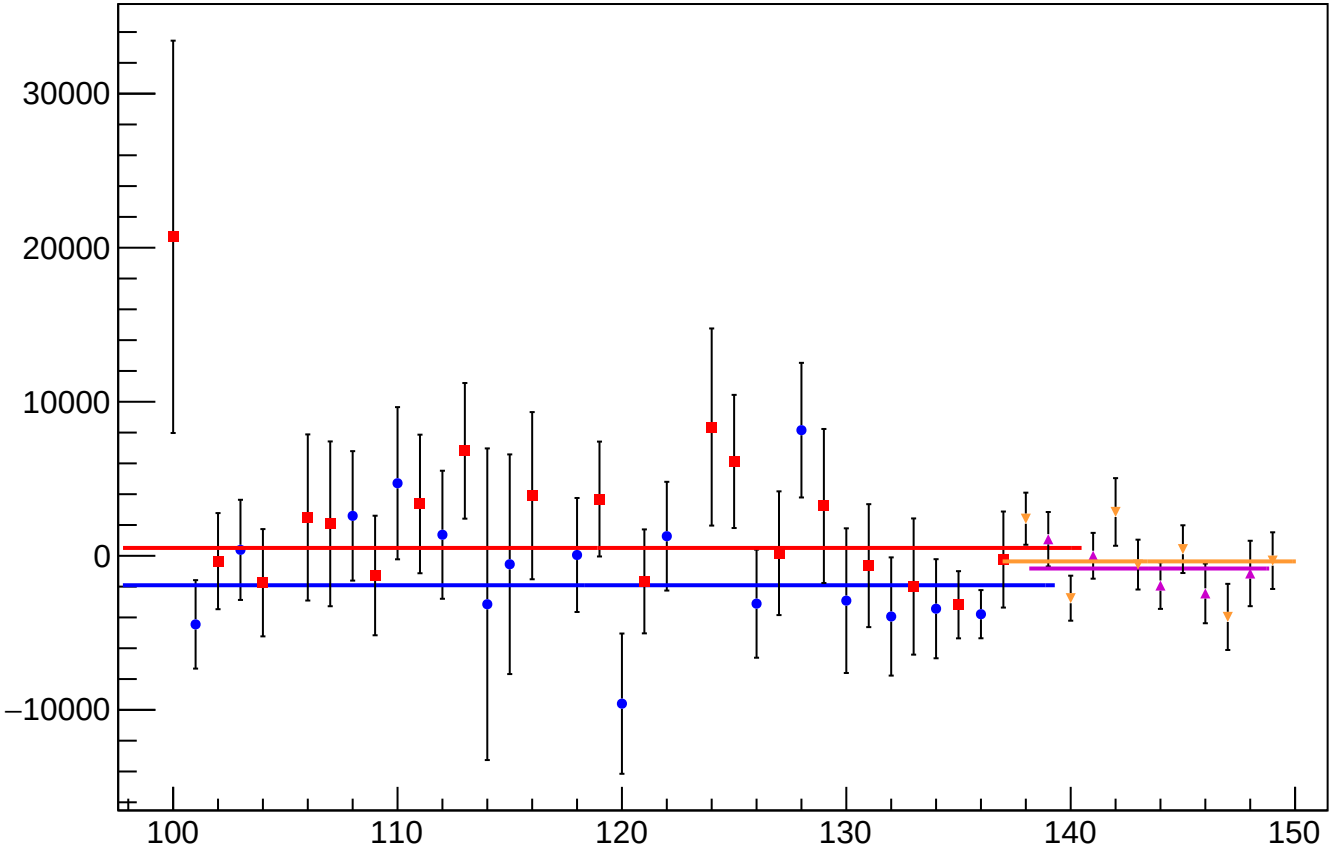
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 195.545+/-0.041 χ^2/NDF:289138.7/20

Out: 195.941+/-0.039 χ^2/NDF:339604.9/25

All: 195.752+/-0.028 χ^2/NDF: 628792.9/46

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: -362.510+/-654.160 χ^2/NDF:10.6/6

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -825.033+/-767.859 χ^2/NDF:2.7/4

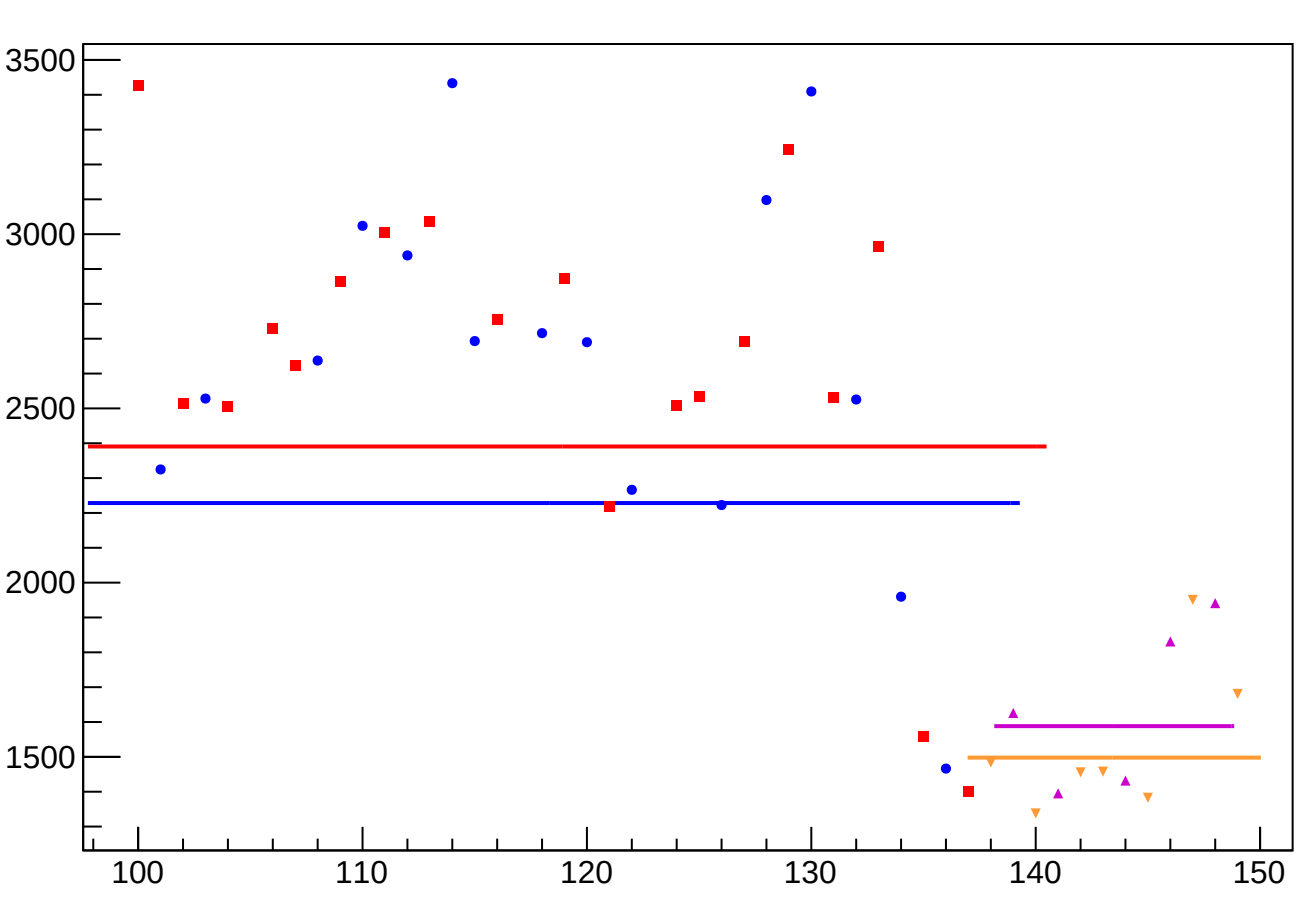
Left: -557.025+/-497.956 χ^2/NDF: 13.5/11

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1307.006+/-572.505 χ^2/NDF:19.9/20

Out: -61.343+/-529.559 χ^2/NDF:25.5/25

All: -635.706+/-388.752 χ^2/NDF: 47.9/46



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1497.914+/-0.463 χ^2/NDF:145933.5/6

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1588.157+/-0.543 χ^2/NDF:142584.4/4

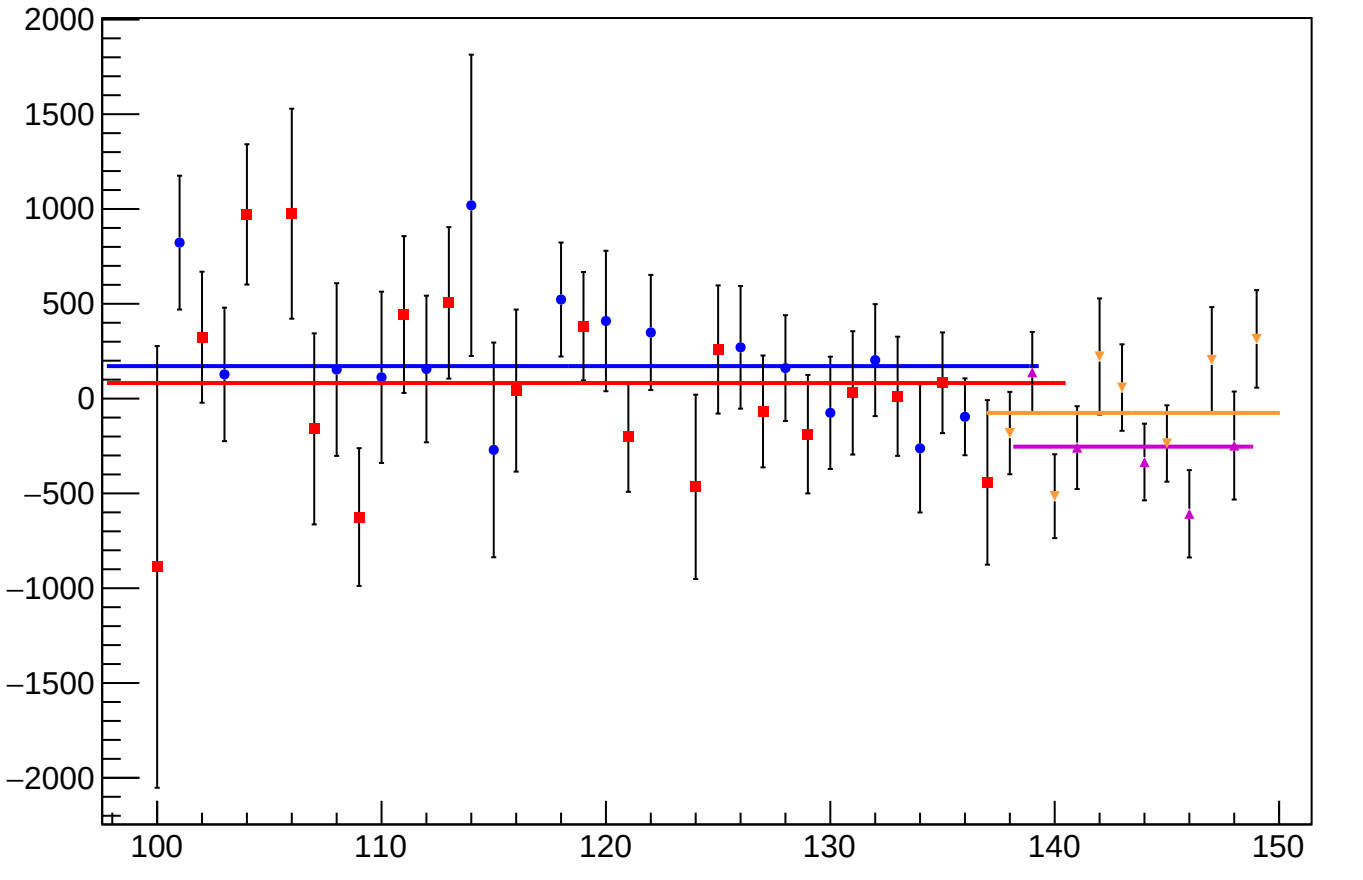
Left: 1535.866+/-0.352 χ^2/NDF: 304524.9/11

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1872.505+/-0.405 χ^2/NDF:1707813.5/20

Out: 1805.640+/-0.374 χ^2/NDF:2220008.7/25

All: 1836.471+/-0.275 χ^2/NDF: 3942524.7/46


dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
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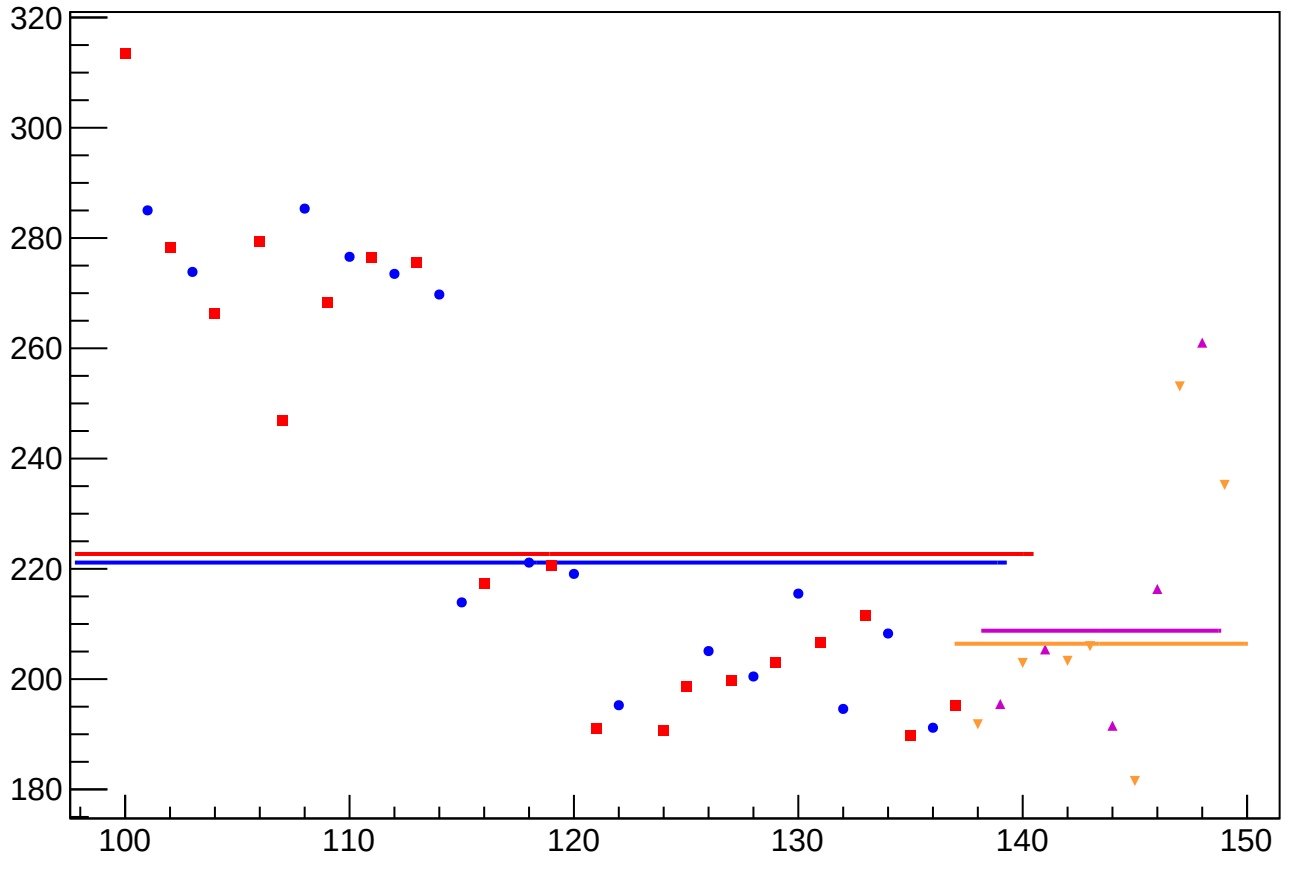
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
Right In: 171.258+/-83.116 χ²/NDF: 11.5/15
Left Out: -75.297+/-89.750 χ²/NDF:9.4/6
Right Out: 82.152+/-82.545 χ²/NDF: 21.6/18
Left In: -253.397+/-100.637 χ²/NDF:5.9/4
Left: -154.195+/-66.983 χ²/NDF: 17.1/11
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -0.942+/-64.085 χ²/NDF:28.0/20
Out: 10.000+/-60.756 χ²/NDF:32.7/25
All: 4.821+/-44.091 χ²/NDF: 60.7/46



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 206.416+/-0.063 χ^2/NDF:121454.3/6

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 208.777+/-0.071 χ^2/NDF:92270.3/4

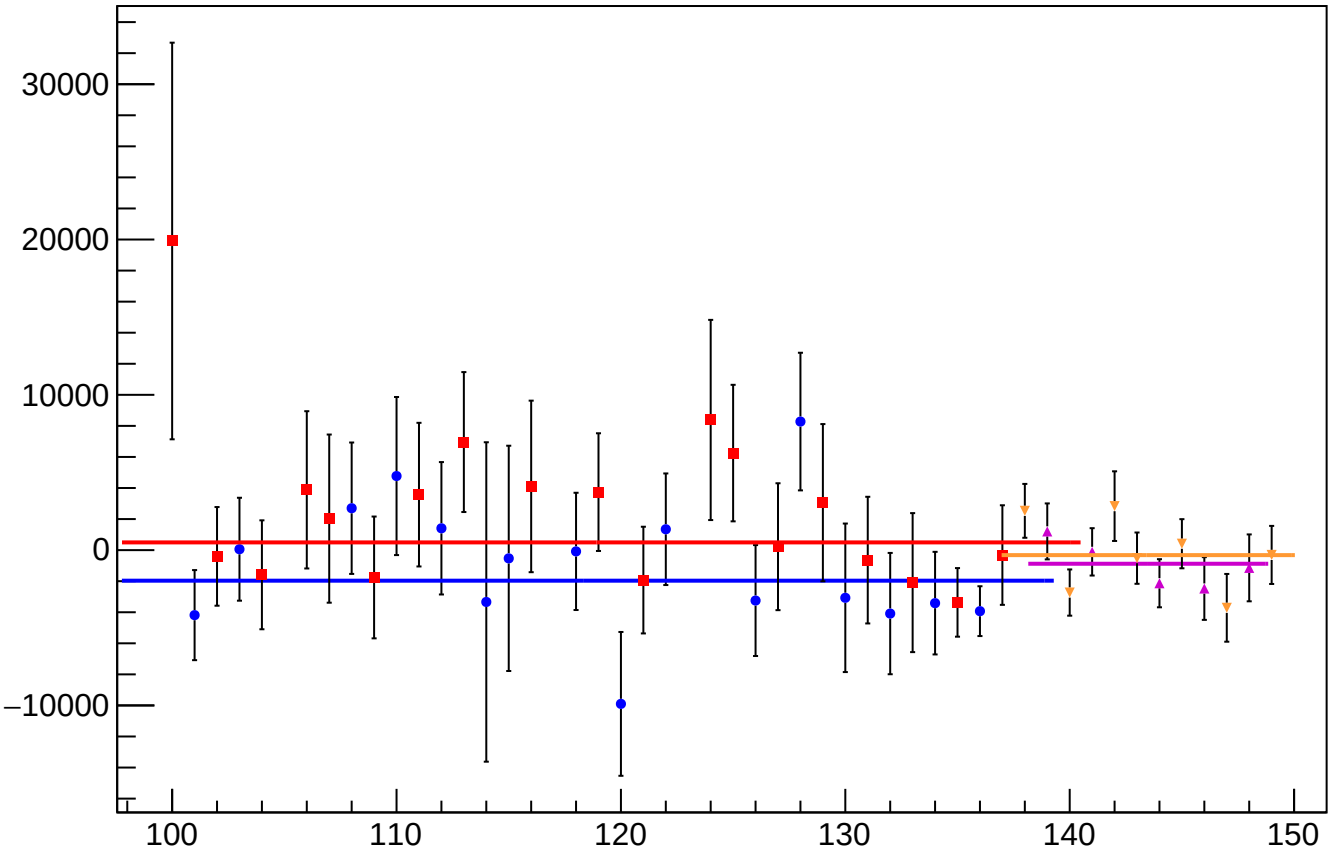
Left: 207.462+/-0.047 χ^2/NDF: 214337.8/11

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 216.126+/-0.045 χ^2/NDF:428912.5/20

Out: 215.236+/-0.043 χ^2/NDF:484142.2/25

All: 215.658+/-0.031 χ^2/NDF: 913257.8/46



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -321.410+/-667.346 χ^2/NDF:10.0/6

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -877.343+/-786.684 χ^2/NDF:2.9/4

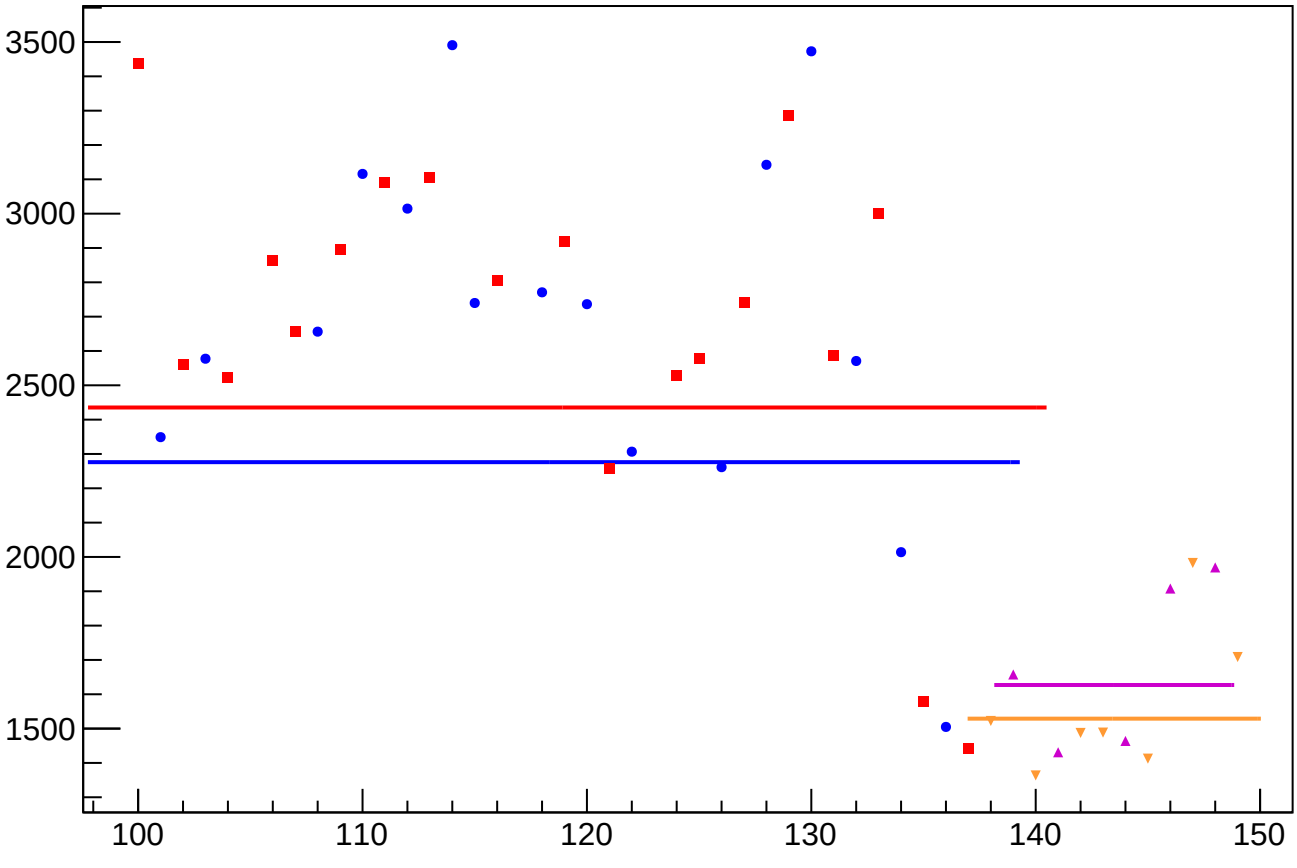
Left: -554.054+/-508.903 χ^2/NDF: 13.1/11

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1363.616+/-585.489 χ^2/NDF:19.9/20

Out: -37.037+/-539.127 χ^2/NDF:25.2/25

All: -645.731+/-396.599 χ^2/NDF: 47.9/46



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1528.970+/-0.472 χ^2/NDF:142344.2/6

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1627.003+/-0.556 χ^2/NDF:145063.7/4

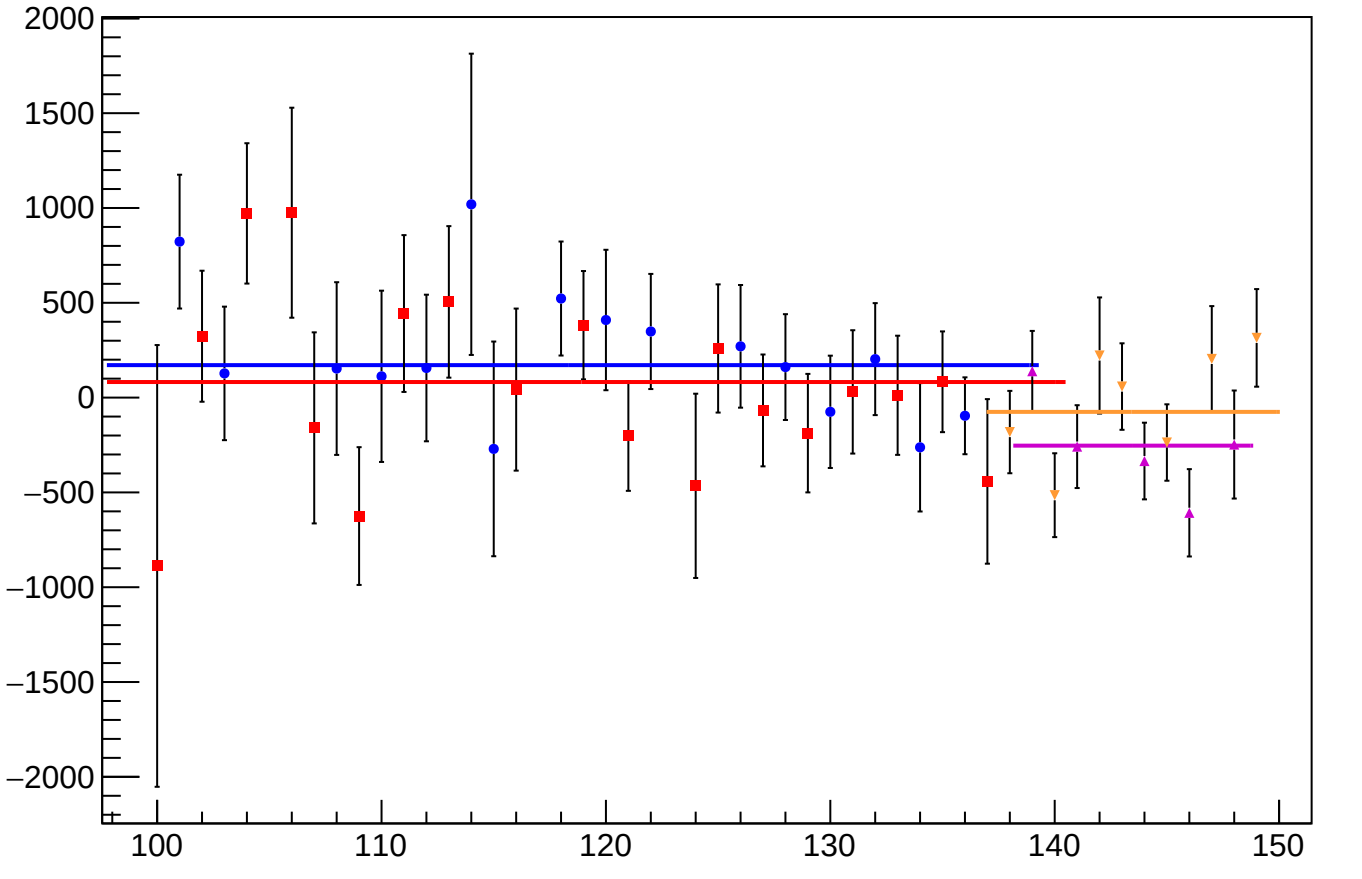
Left: 1569.994+/-0.360 χ^2/NDF: 305469.2/11

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1916.576+/-0.414 χ^2/NDF:1679508.7/20

Out: 1843.803+/-0.381 χ^2/NDF:2215368.2/25

All: 1877.195+/-0.280 χ^2/NDF: 3911597.5/46


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
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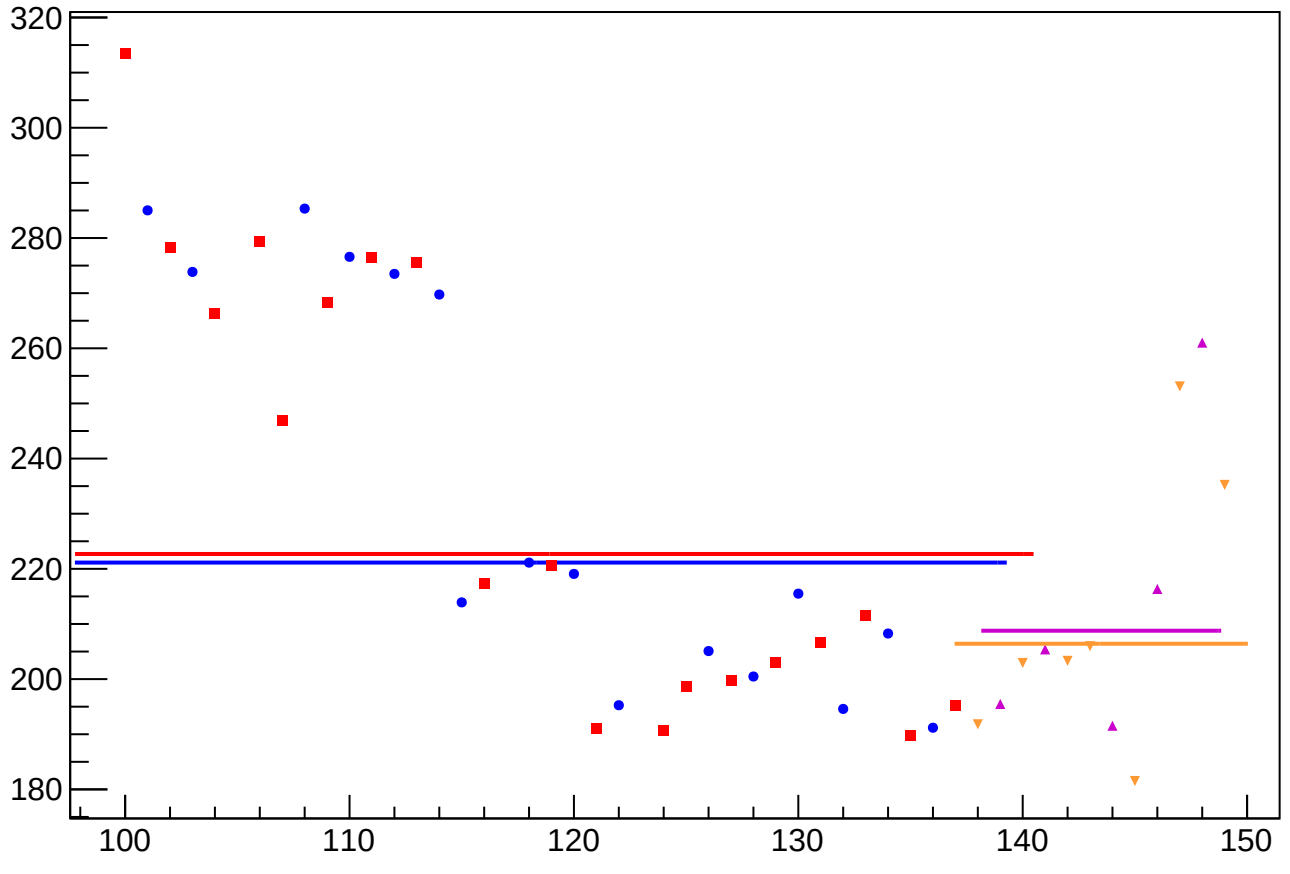
−500
−1000
−1500
−2000
100
110
120
130
140
150
Right In: 171.260+/-83.115 χ²/NDF: 11.5/15
Left Out: -75.302+/-89.750 χ²/NDF:9.4/6
Right Out: 82.150+/-82.545 χ²/NDF: 21.6/18
Left In: -253.397+/-100.637 χ²/NDF:5.9/4
Left: -154.198+/-66.983 χ²/NDF: 17.1/11
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -0.940+/-64.085 χ²/NDF:28.0/20
Out: 9.997+/-60.756 χ²/NDF:32.7/25
All: 4.820+/-44.091 χ²/NDF: 60.7/46



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 206.416+/-0.063 χ^2/NDF:121456.9/6

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: 207.462+/-0.047 χ^2/NDF: 214341.1/11

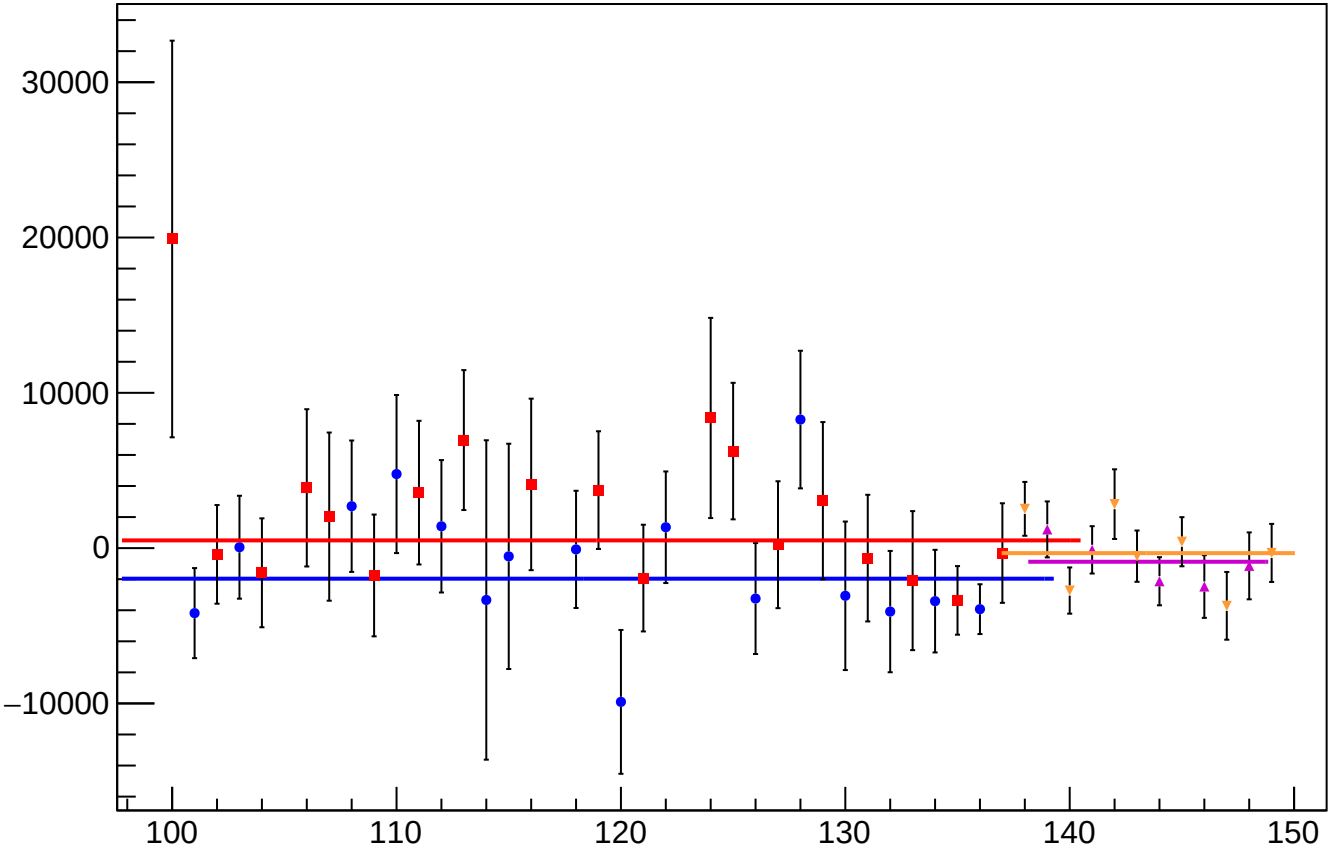
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 216.125+/-0.045 χ^2/NDF:428905.7/20

Out: 215.236+/-0.043 χ^2/NDF:484135.3/25

All: 215.657+/-0.031 χ^2/NDF: 913244.0/46

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -321.414+/-667.345 χ^2/NDF:10.0/6

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -877.342+/-786.683 χ^2/NDF:2.9/4

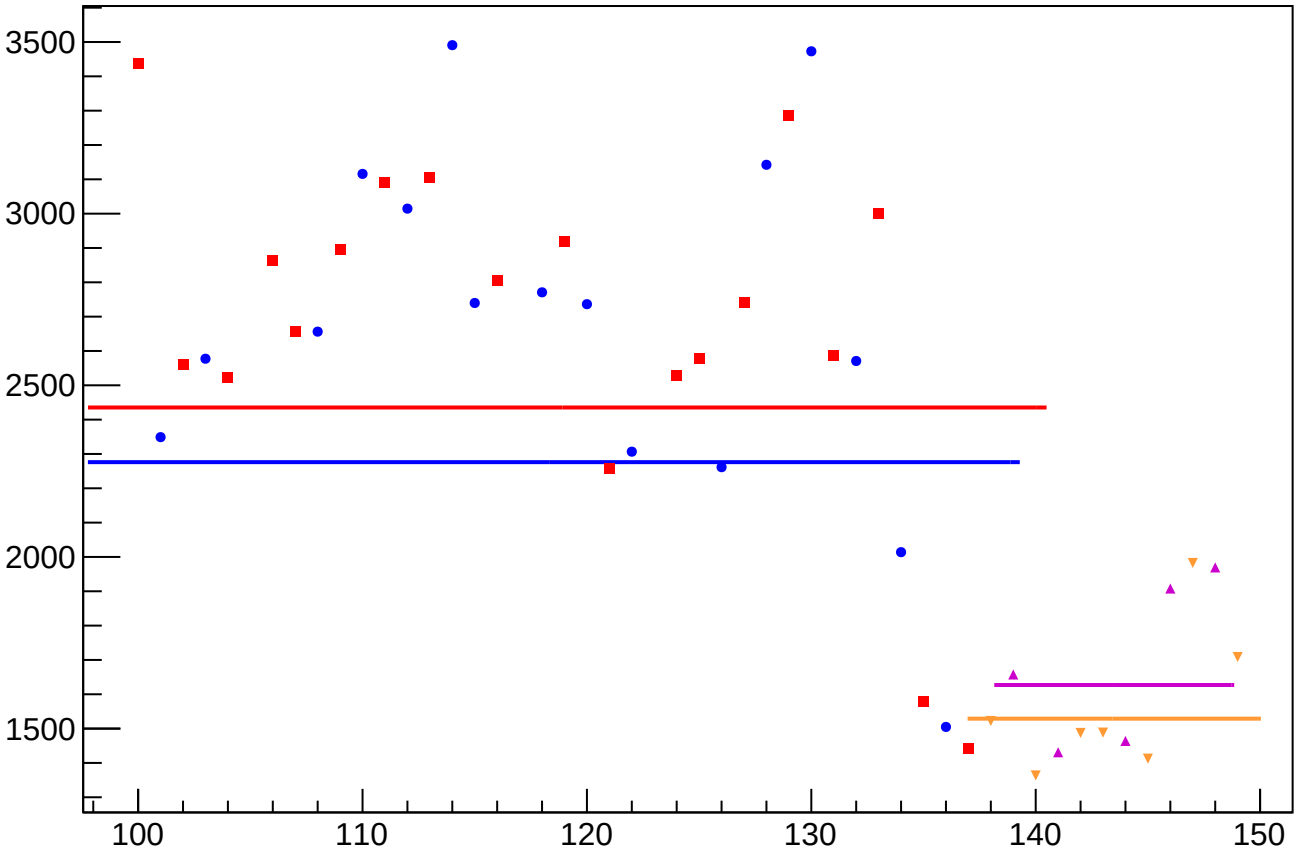
Left: -554.056+/-508.903 χ^2/NDF: 13.1/11

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1363.613+/-585.488 χ^2/NDF:19.9/20

Out: -37.038+/-539.126 χ^2/NDF:25.2/25

All: -645.730+/-396.599 χ^2/NDF: 47.9/46



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1528.968+/-0.472 χ^2/NDF:142344.9/6

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: 1569.993+/-0.360 χ^2/NDF: 305469.4/11

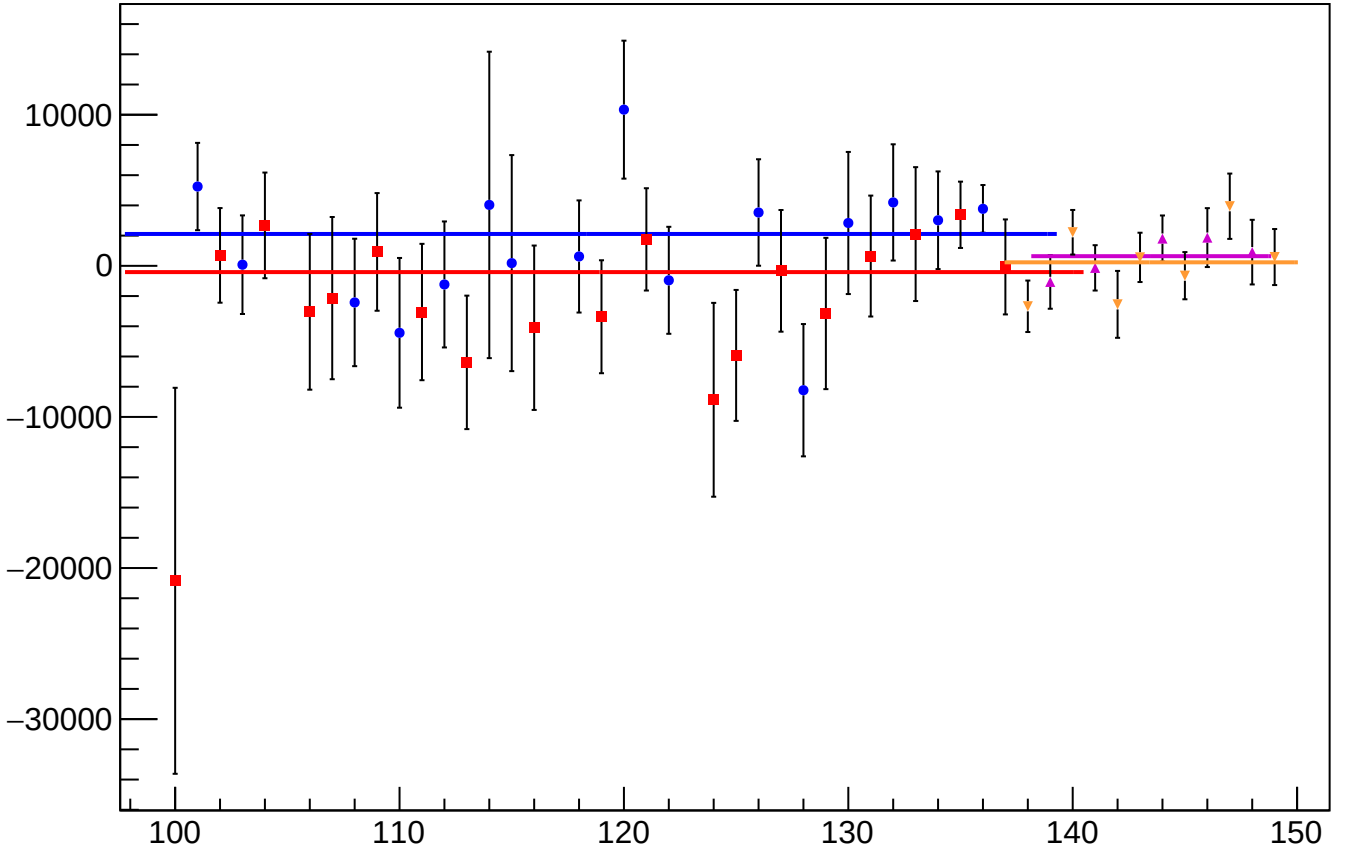
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1916.574+/-0.414 χ^2/NDF:1679497.1/20

Out: 1843.801+/-0.381 χ^2/NDF:2215360.5/25

All: 1877.193+/-0.280 χ^2/NDF: 3911578.4/46

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 232.683+/-659.528 χ^2/NDF:9.7/6

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: 403.923+/-501.878 χ^2/NDF: 12.0/11

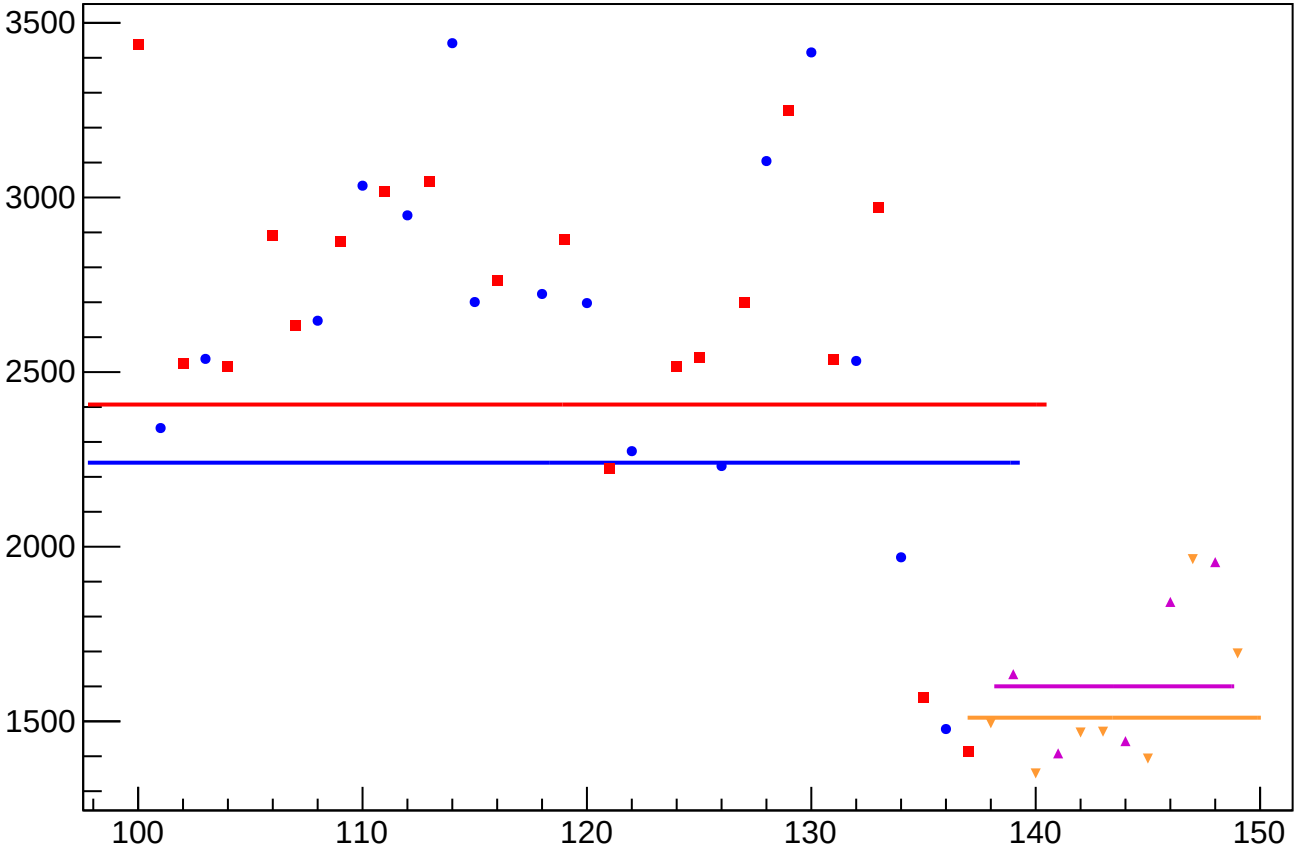
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1294.166+/-576.108 χ^2/NDF:20.4/20

Out: 8.144+/-532.887 χ^2/NDF:24.7/25

All: 601.111+/-391.197 χ^2/NDF: 47.8/46

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1510.441+/-0.466 χ^2/NDF:144666.2/6

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1600.222+/-0.547 χ^2/NDF:140648.6/4

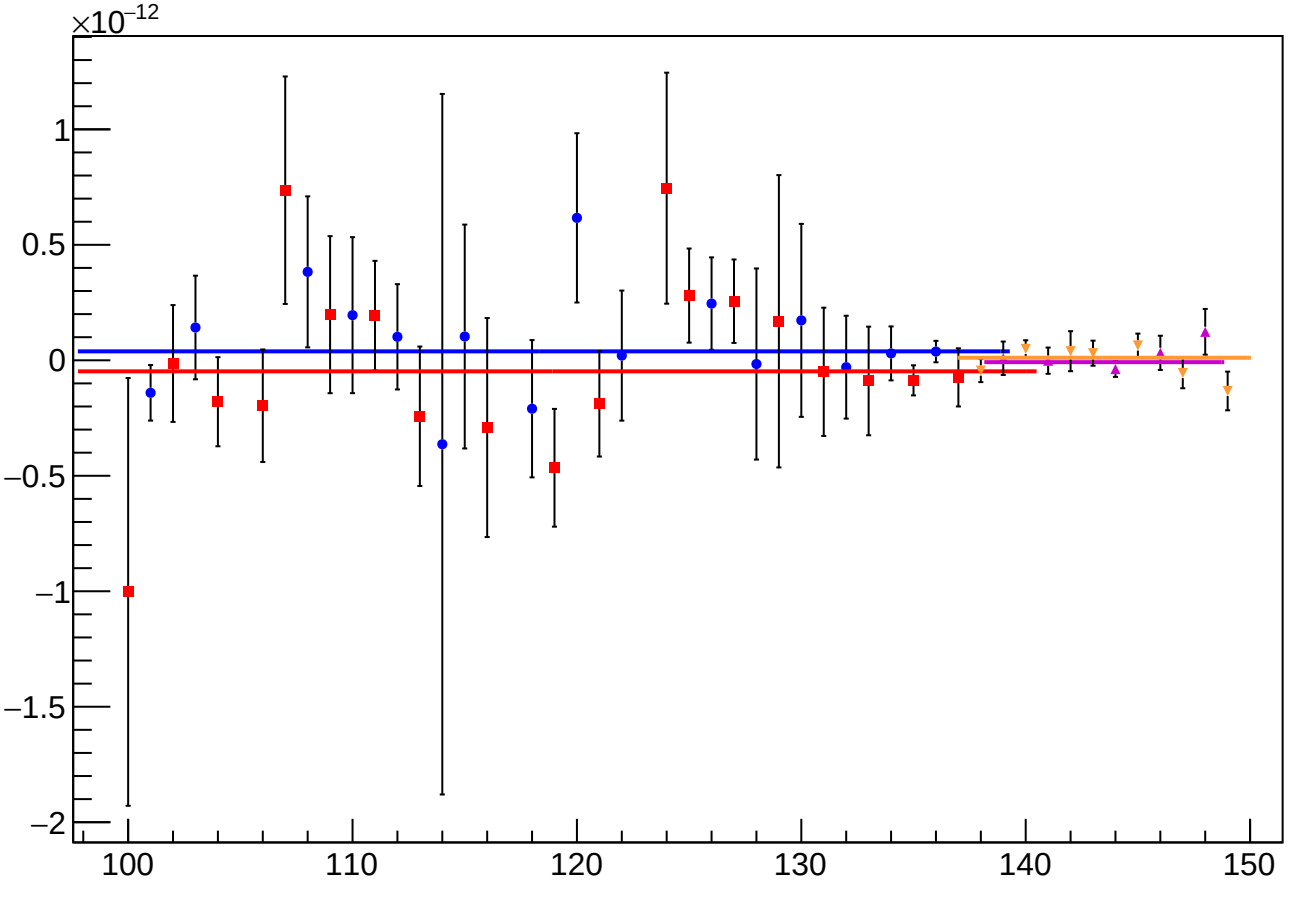
Left: 1548.233+/-0.355 χ^2/NDF: 300915.5/11

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1885.421+/-0.407 χ^2/NDF:1684687.6/20

Out: 1821.738+/-0.377 χ^2/NDF:2217086.6/25

All: 1851.101+/-0.277 χ^2/NDF: 3914944.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/4

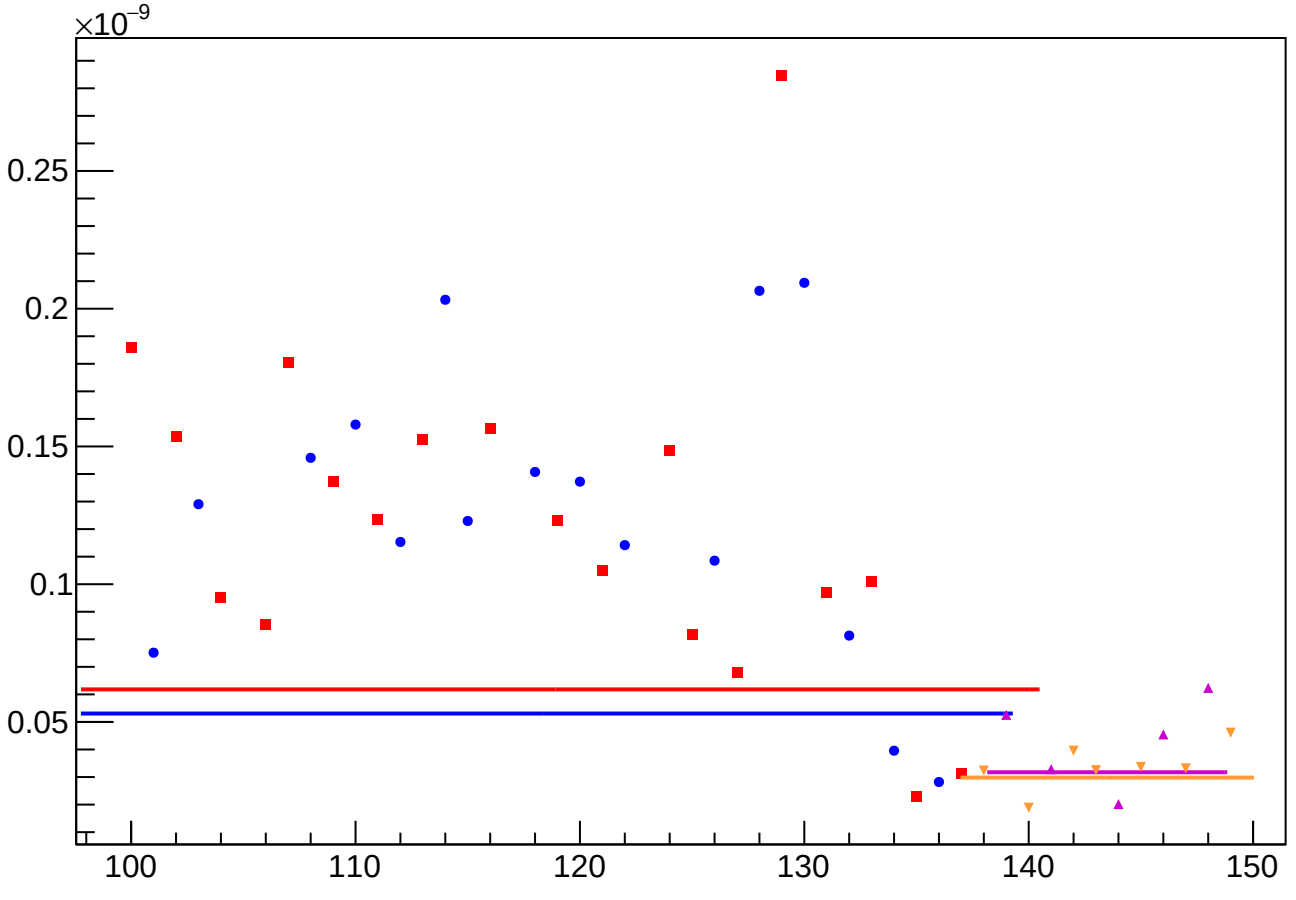
Left: 0.000+/-0.000 χ^2/NDF: 10.8/11

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:27.3/25

All: 0.000+/-0.000 χ^2/NDF: 39.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:298165.3/6

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: 961781.5/11

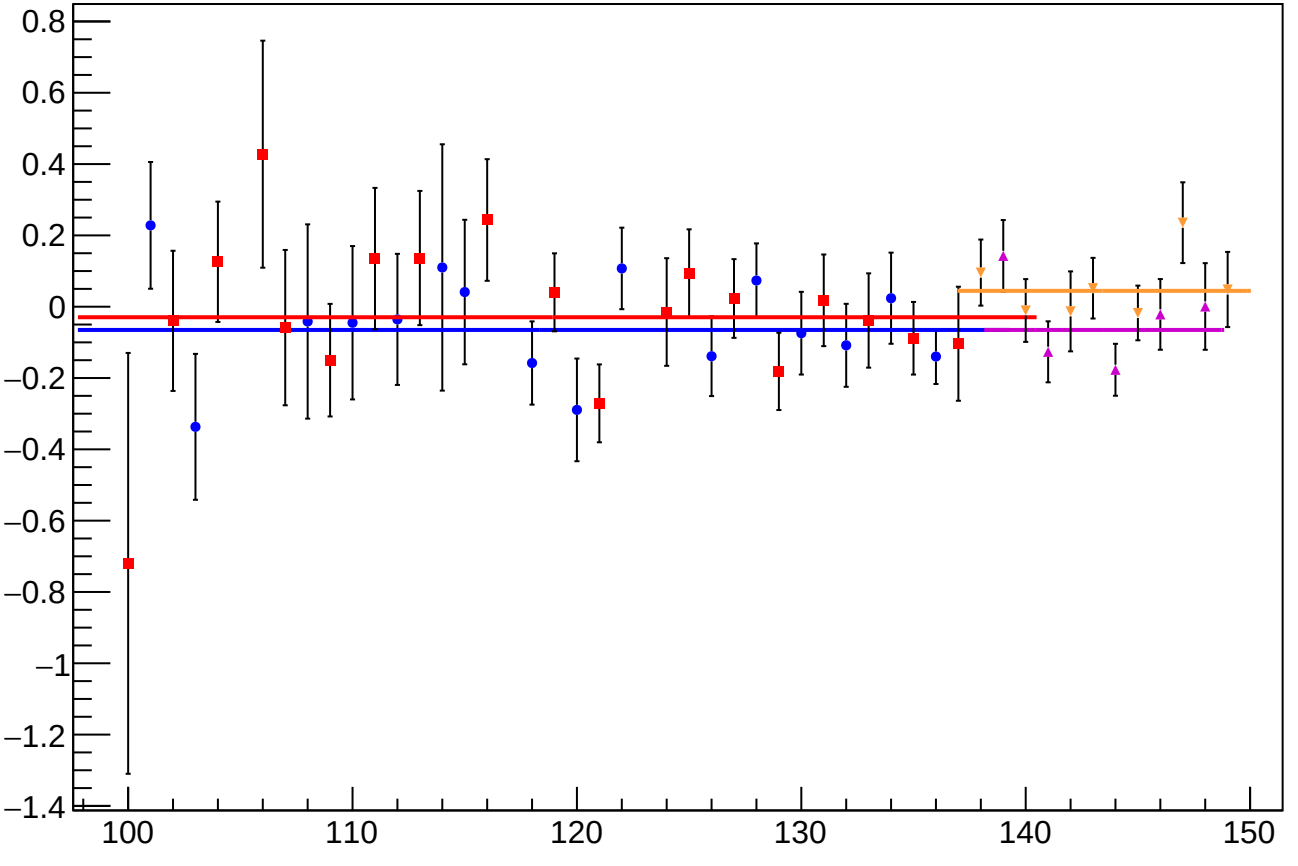
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3704341.0/20

Out: 0.000+/-0.000 χ^2/NDF:3603243.7/25

All: 0.000+/-0.000 χ^2/NDF: 7326631.1/46

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.035 χ^2/NDF:4.5/6

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.065+/-0.041 χ^2/NDF:7.6/4

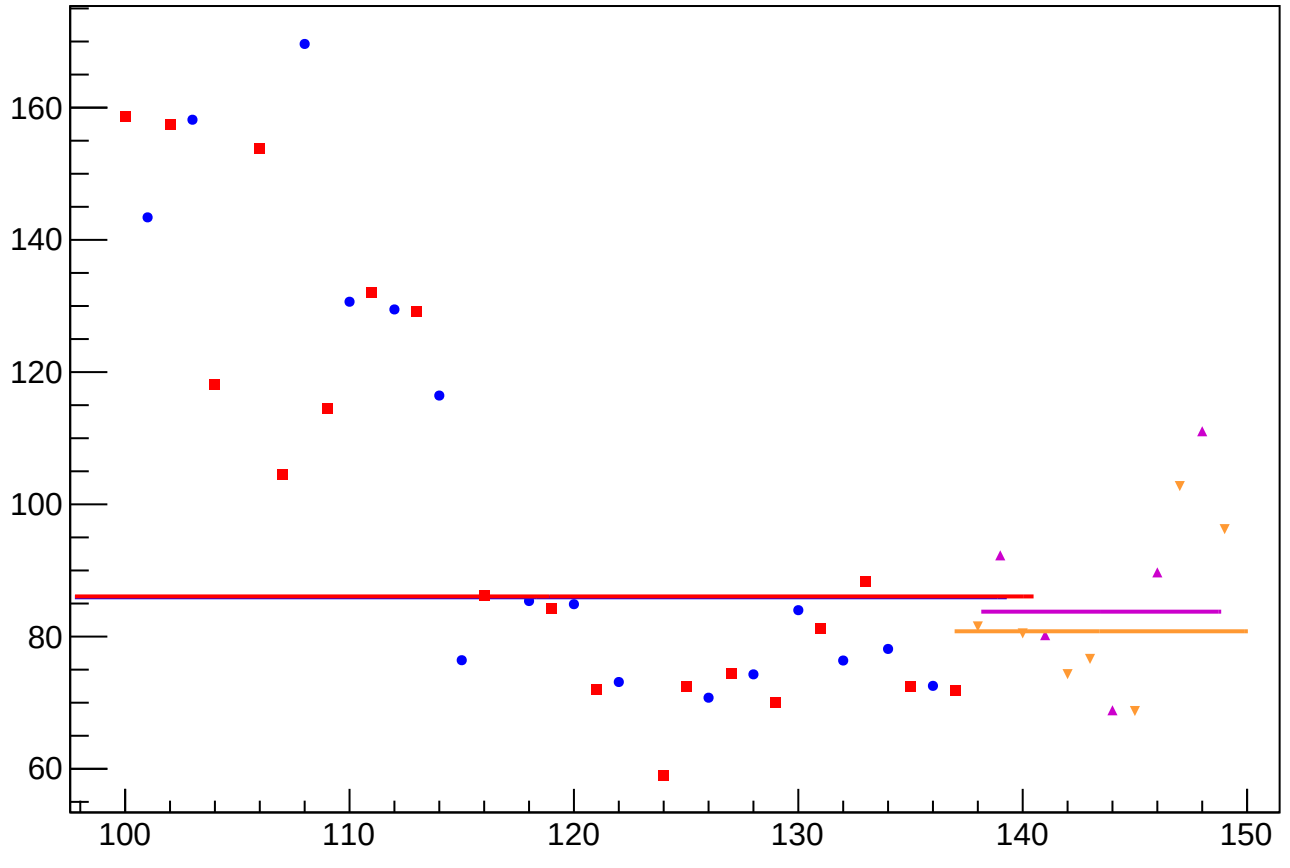
Left: -0.002+/-0.027 χ^2/NDF: 16.2/11

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.005+/-0.024 χ^2/NDF:24.9/25

All: -0.028+/-0.018 χ^2/NDF: 50.6/46



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.802+/-0.025 χ^2/NDF:179228.5/6

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

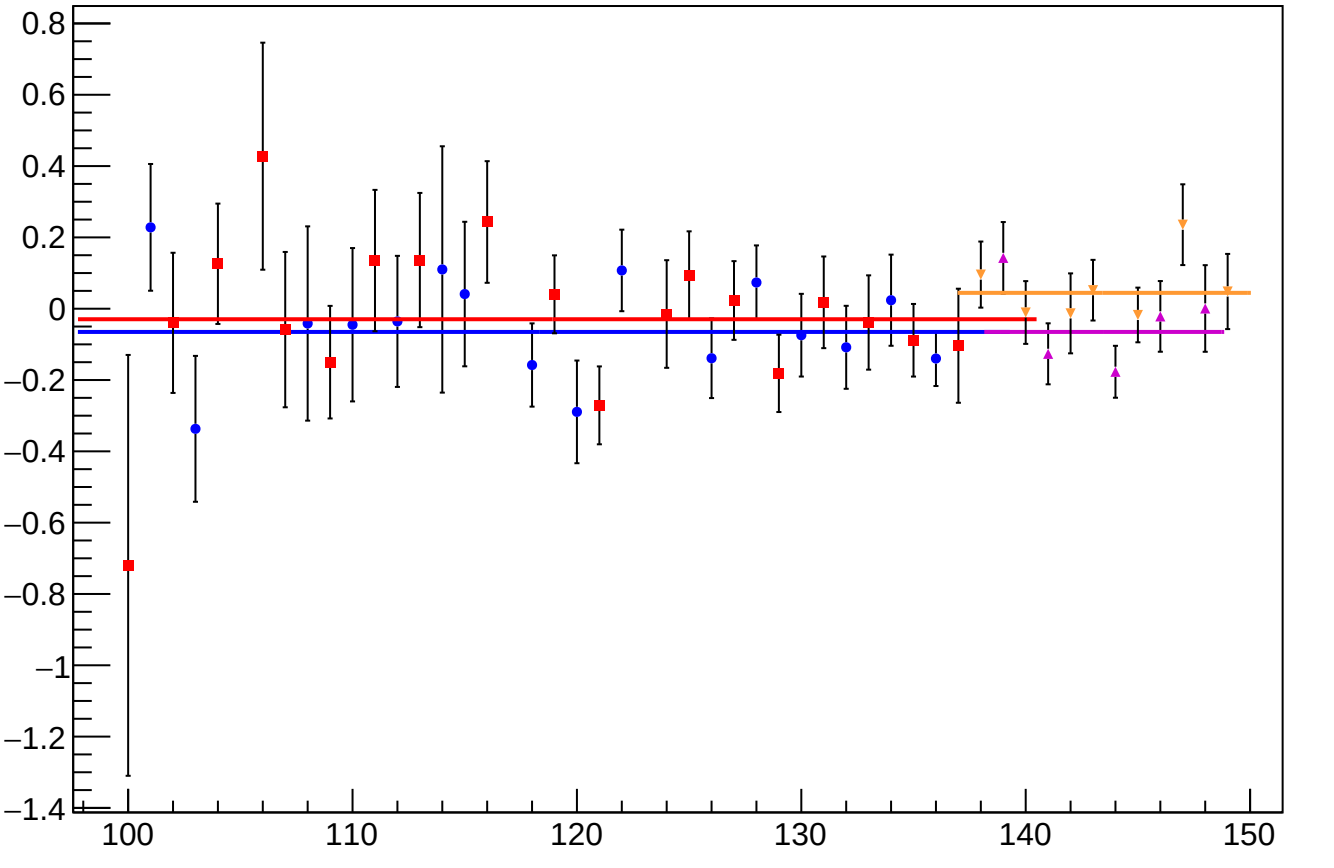
Left: 82.065+/-0.019 χ^2/NDF: 395091.8/11

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.081+/-0.018 χ^2/NDF:1248252.8/20

Out: 83.619+/-0.017 χ^2/NDF:1194403.5/25

All: 84.299+/-0.012 χ^2/NDF: 2446075.6/46



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.035 χ^2/NDF:4.5/6

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.065+/-0.041 χ^2/NDF:7.6/4

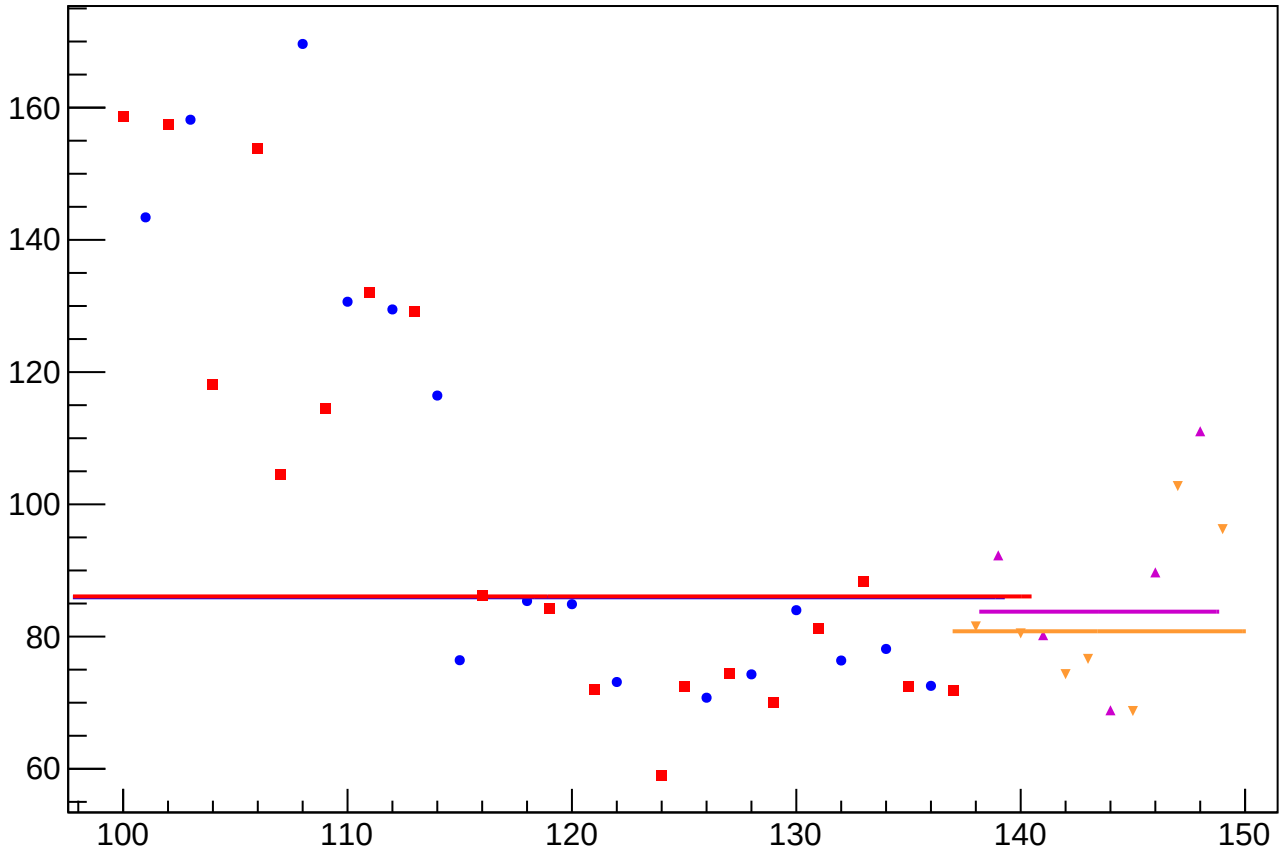
Left: -0.002+/-0.027 χ^2/NDF: 16.2/11

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.005+/-0.024 χ^2/NDF:24.9/25

All: -0.028+/-0.018 χ^2/NDF: 50.6/46



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.802+/-0.025 χ^2/NDF:179228.5/6

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.769+/-0.029 χ^2/NDF:209856.3/4

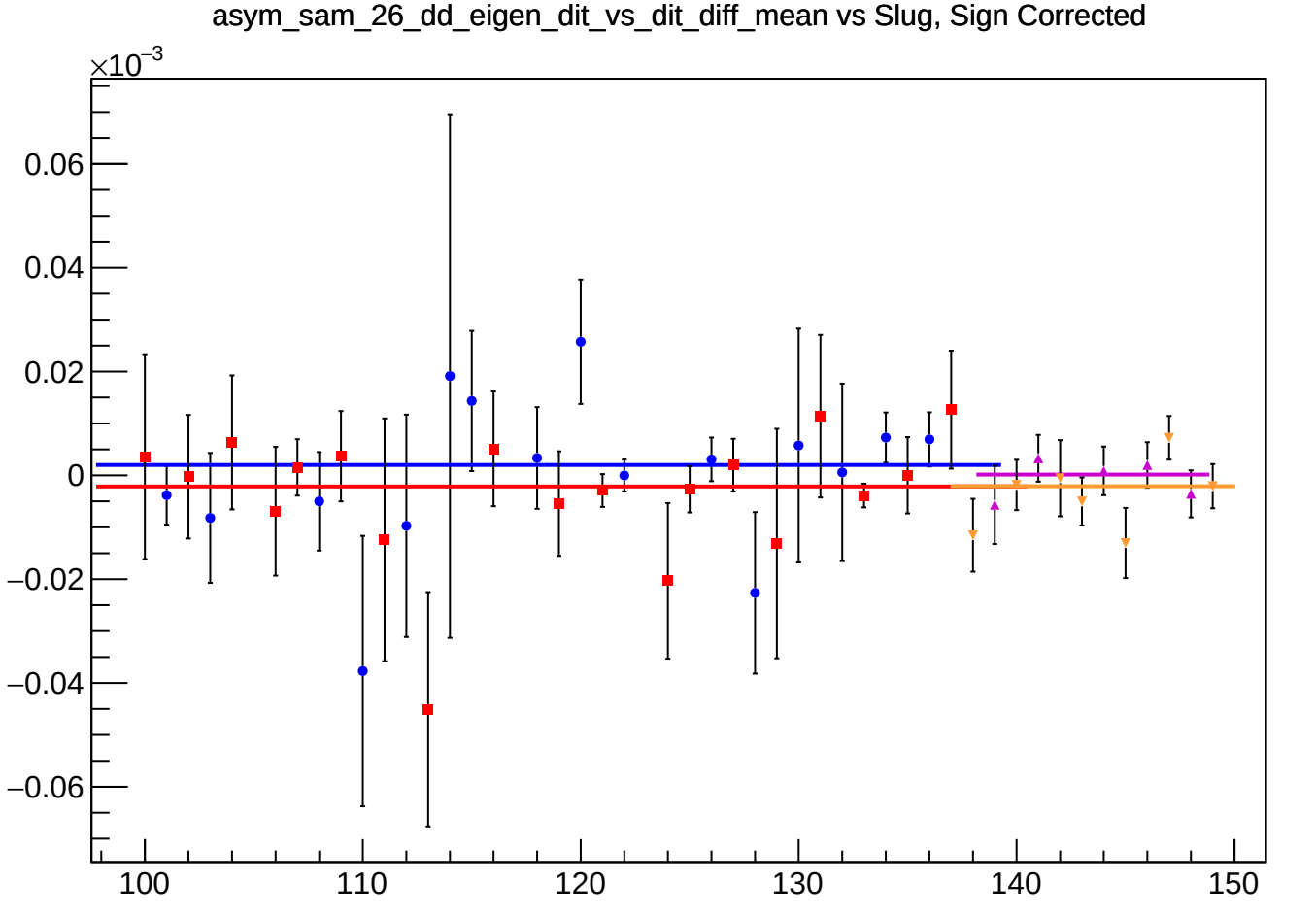
Left: 82.065+/-0.019 χ^2/NDF: 395091.8/11

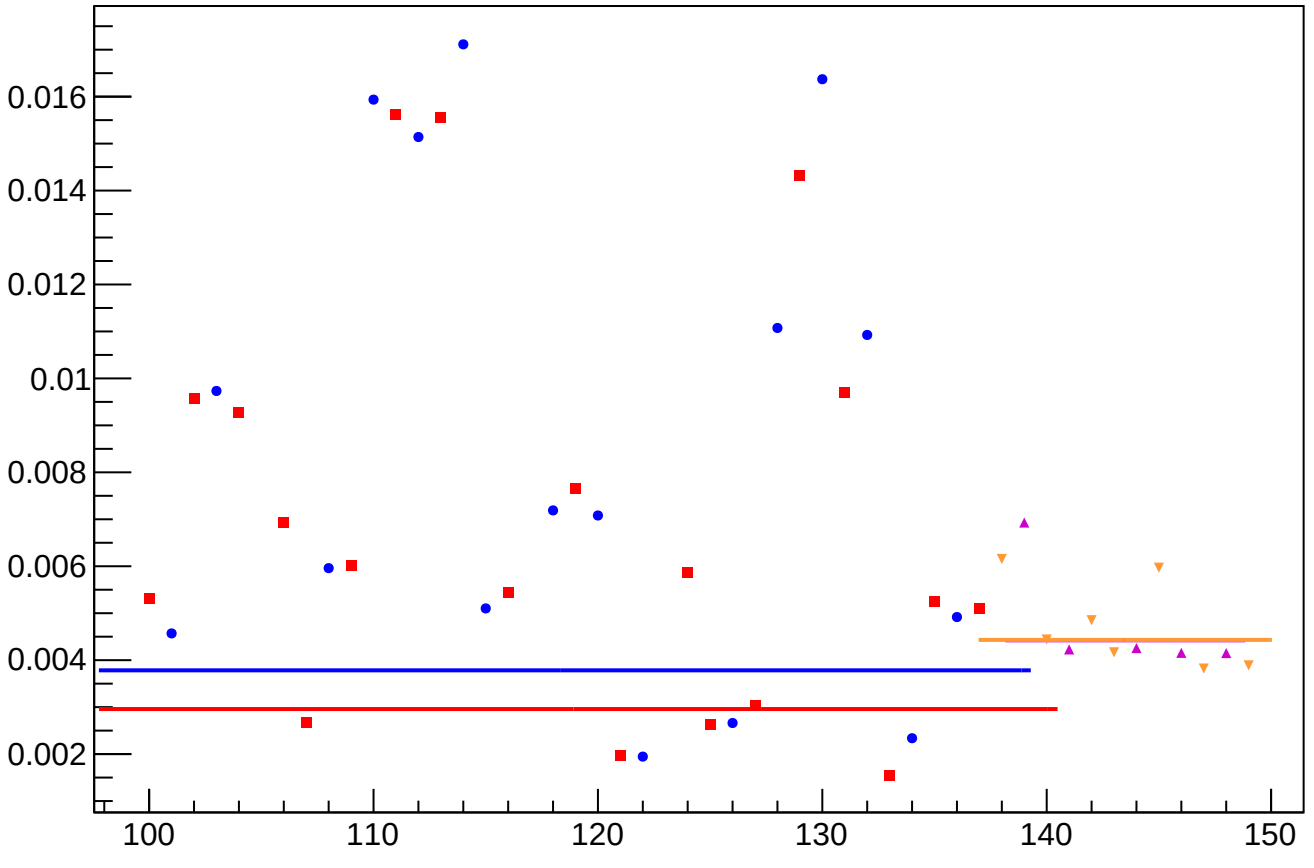
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.081+/-0.018 χ^2/NDF:1248252.8/20

Out: 83.619+/-0.017 χ^2/NDF:1194403.5/25

All: 84.299+/-0.012 χ^2/NDF: 2446075.6/46


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:9.8/6
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: 12.3/11
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:21.3/25
All: -0.000+/-0.000 χ²/NDF: 42.3/46



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:311815.8/6

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.004+/-0.000 χ^2/NDF:241644.0/4

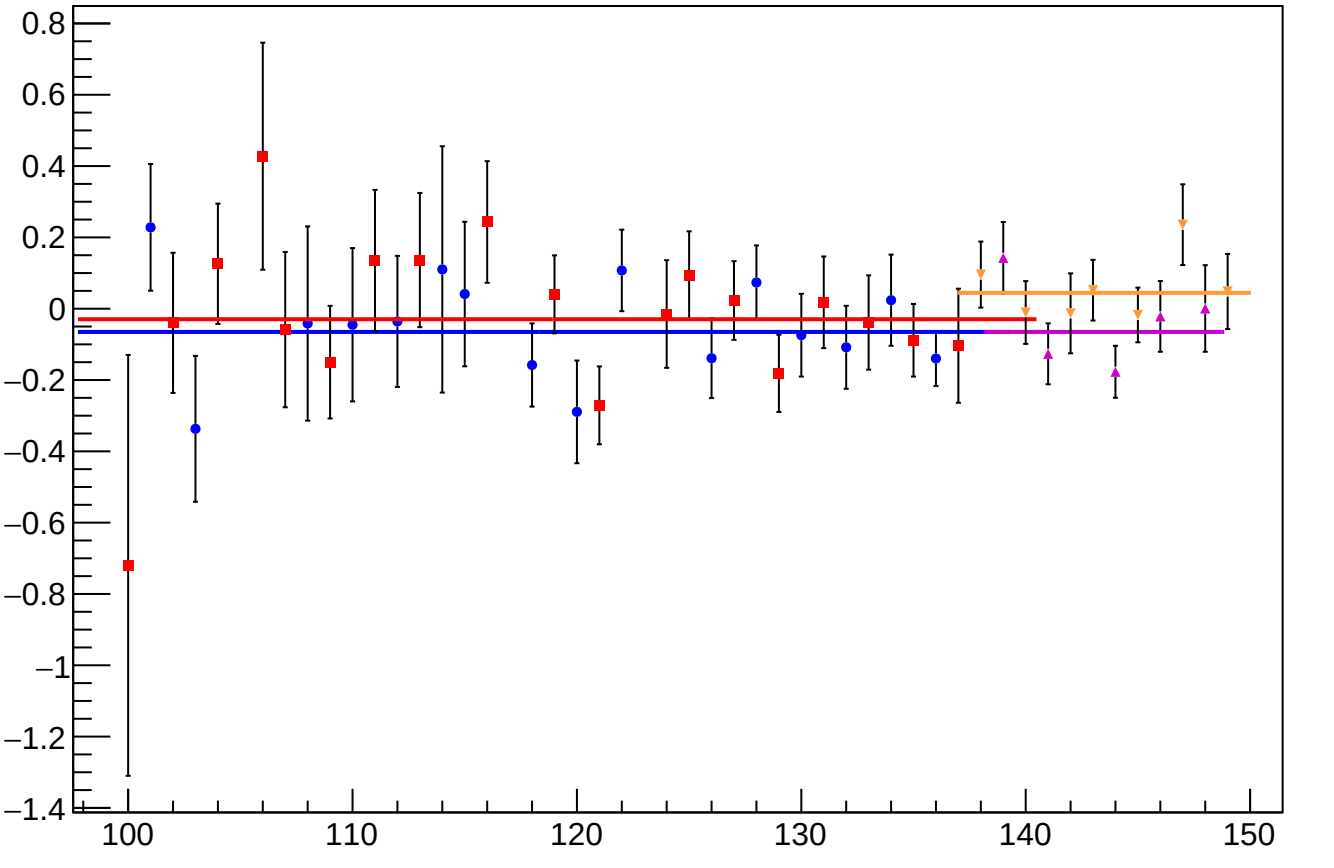
Left: 0.004+/-0.000 χ^2/NDF: 553479.0/11

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:6609308.9/25

All: 0.004+/-0.000 χ^2/NDF: 11861174.5/46



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.035 χ^2/NDF:4.5/6

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: -0.002+/-0.027 χ^2/NDF: 16.2/11

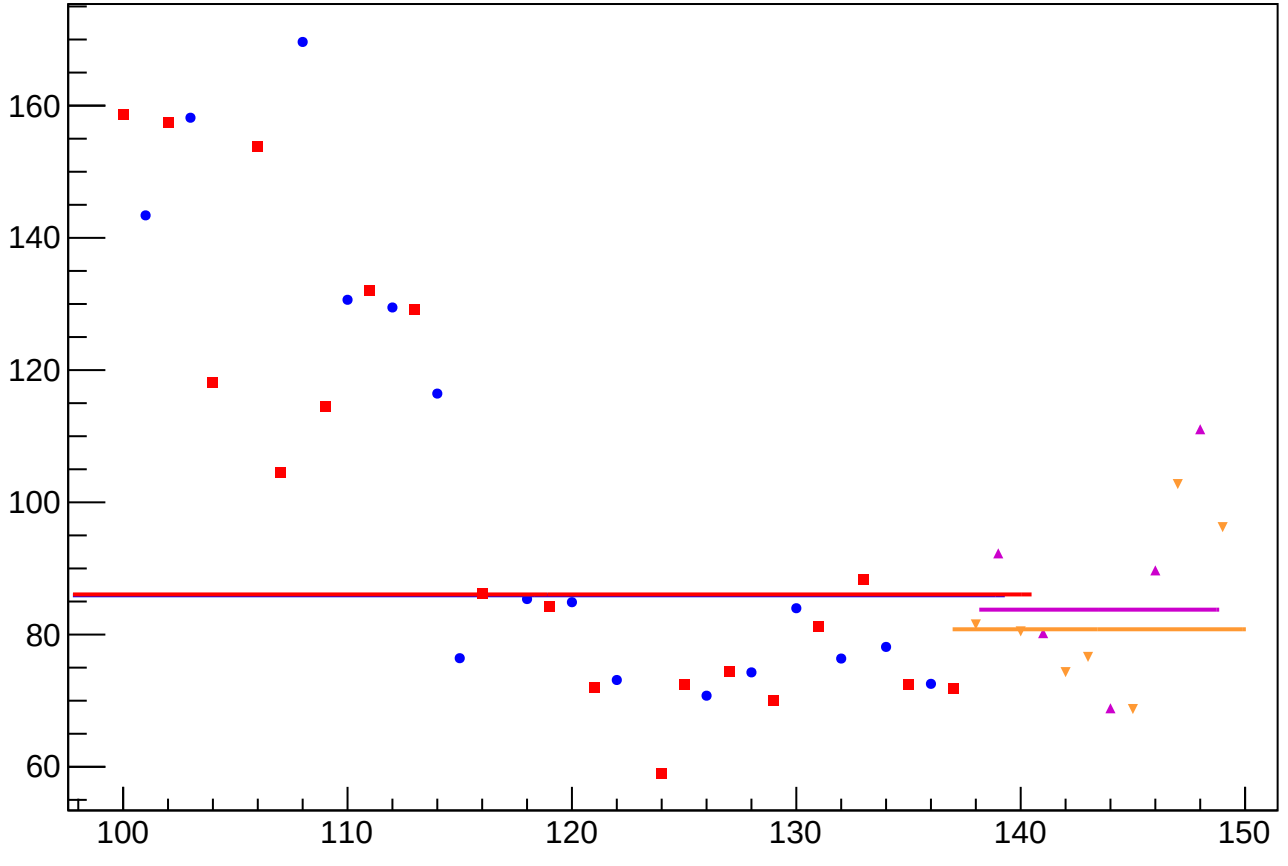
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.005+/-0.024 χ^2/NDF:24.9/25

All: -0.028+/-0.018 χ^2/NDF: 50.6/46

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.801+/-0.025 χ^2/NDF:179249.0/6

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

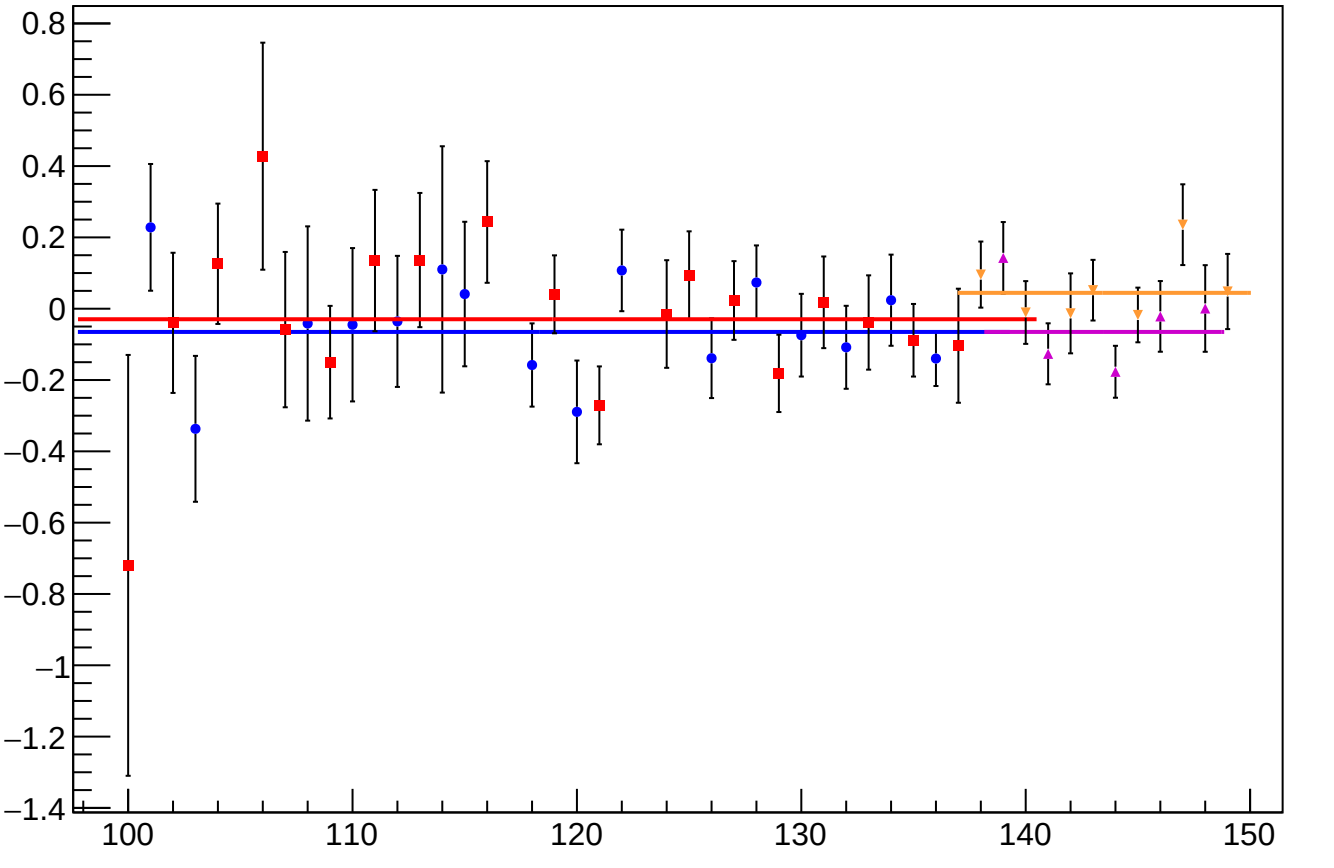
Left: 82.064+/-0.019 χ^2/NDF: 395112.3/11

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.079+/-0.018 χ^2/NDF:1248228.7/20

Out: 83.618+/-0.017 χ^2/NDF:1194407.2/25

All: 84.297+/-0.012 χ^2/NDF: 2446054.1/46



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.035 χ^2/NDF:4.5/6

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: -0.002+/-0.027 χ^2/NDF: 16.2/11

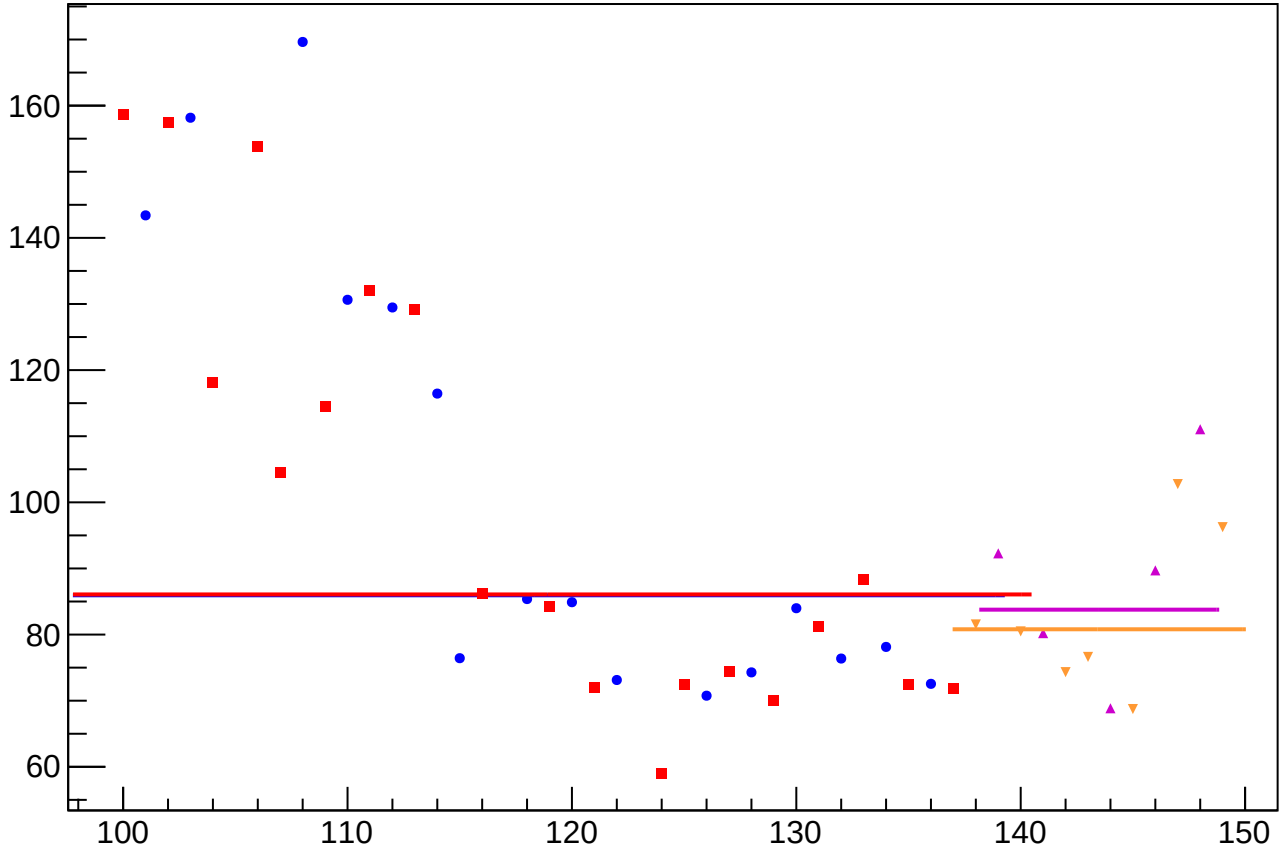
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.065+/-0.026 χ^2/NDF:21.8/20

Out: 0.005+/-0.024 χ^2/NDF:24.9/25

All: -0.028+/-0.018 χ^2/NDF: 50.6/46

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.801+/-0.025 χ^2/NDF:179249.0/6

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.768+/-0.029 χ^2/NDF:209855.5/4

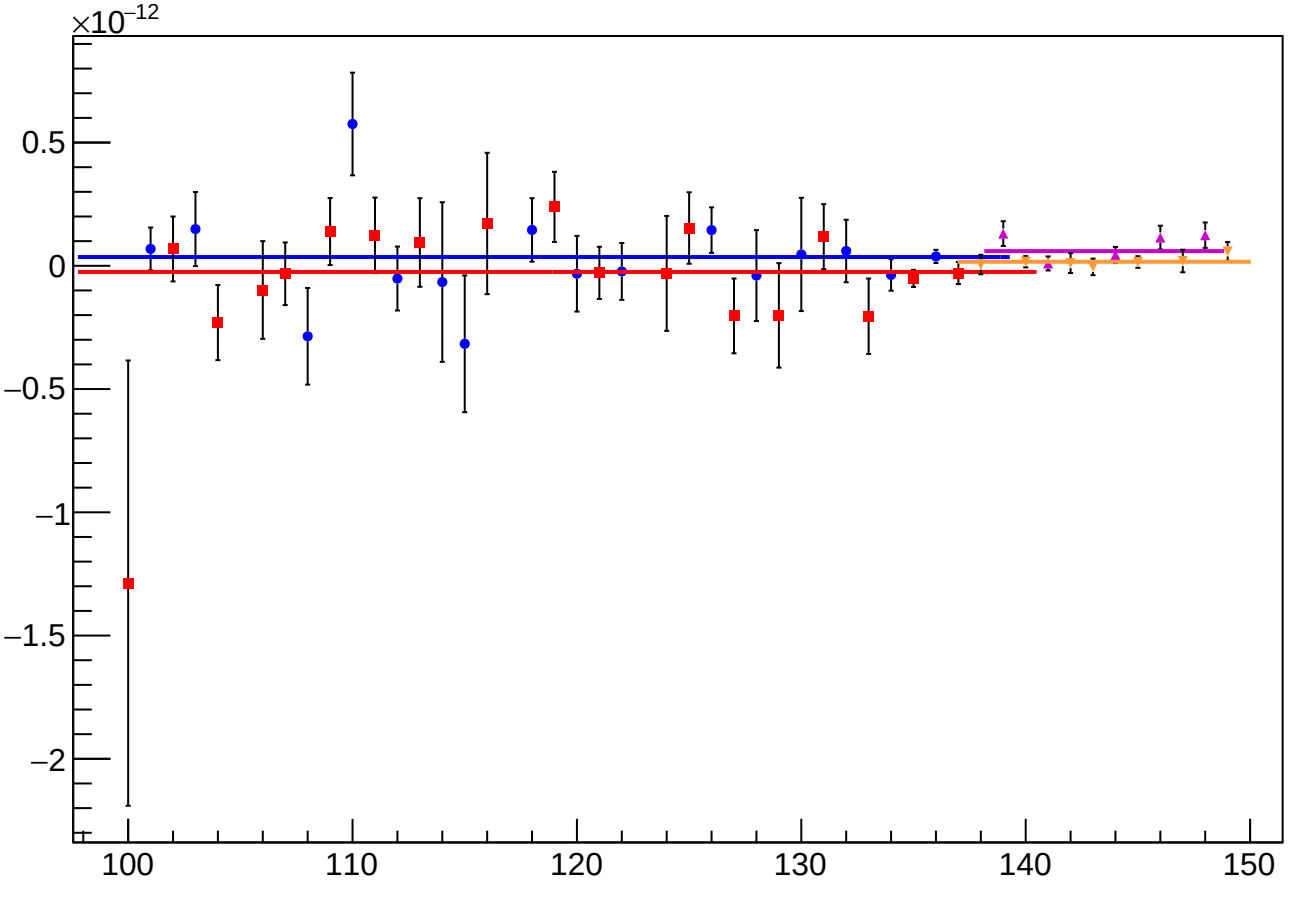
Left: 82.064+/-0.019 χ^2/NDF: 395112.3/11

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.079+/-0.018 χ^2/NDF:1248228.7/20

Out: 83.618+/-0.017 χ^2/NDF:1194407.2/25

All: 84.297+/-0.012 χ^2/NDF: 2446054.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/4

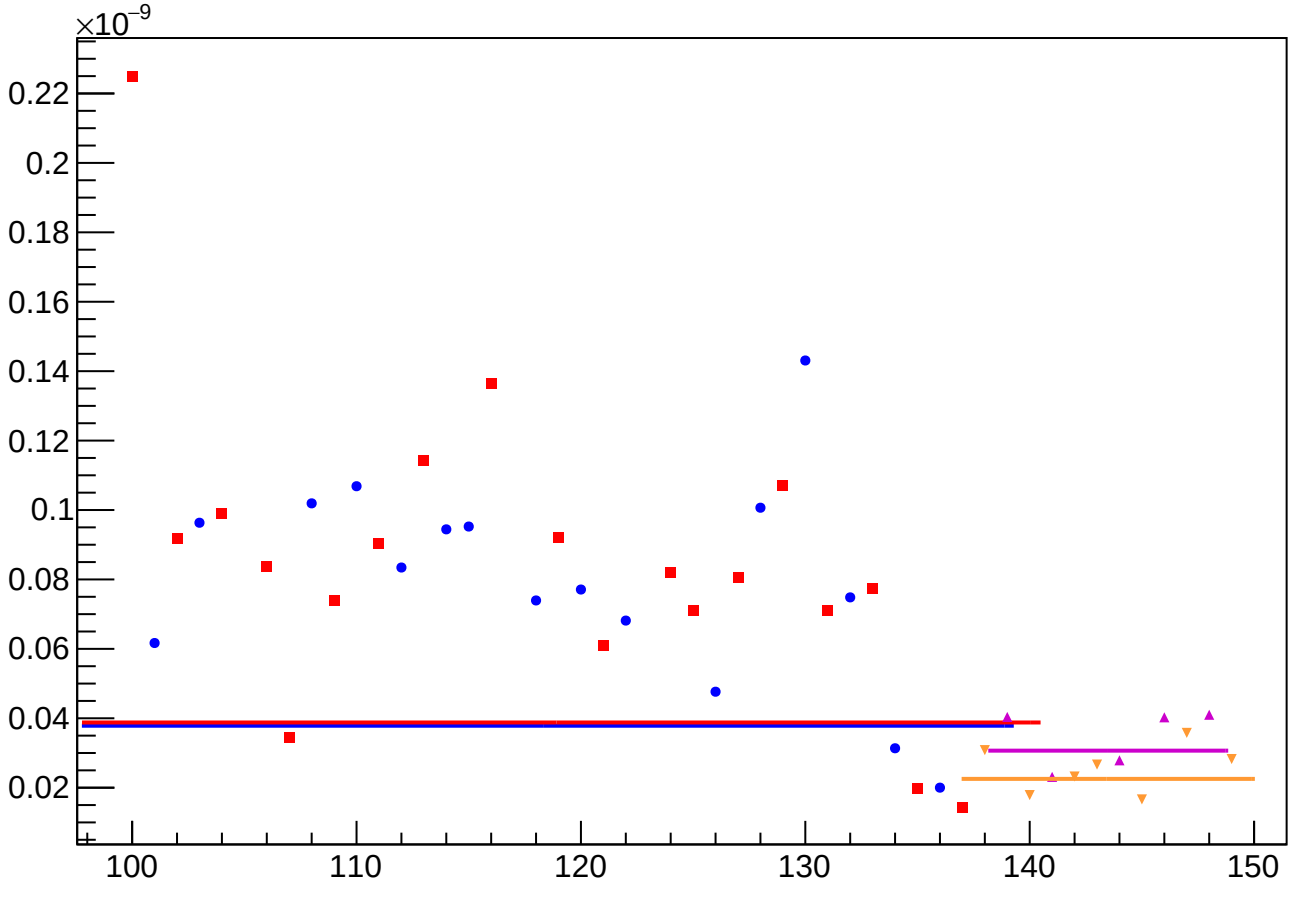
Left: 0.000+/-0.000 χ^2/NDF: 14.2/11

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:22.3/25

All: 0.000+/-0.000 χ^2/NDF: 54.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:542349.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:390173.1/4

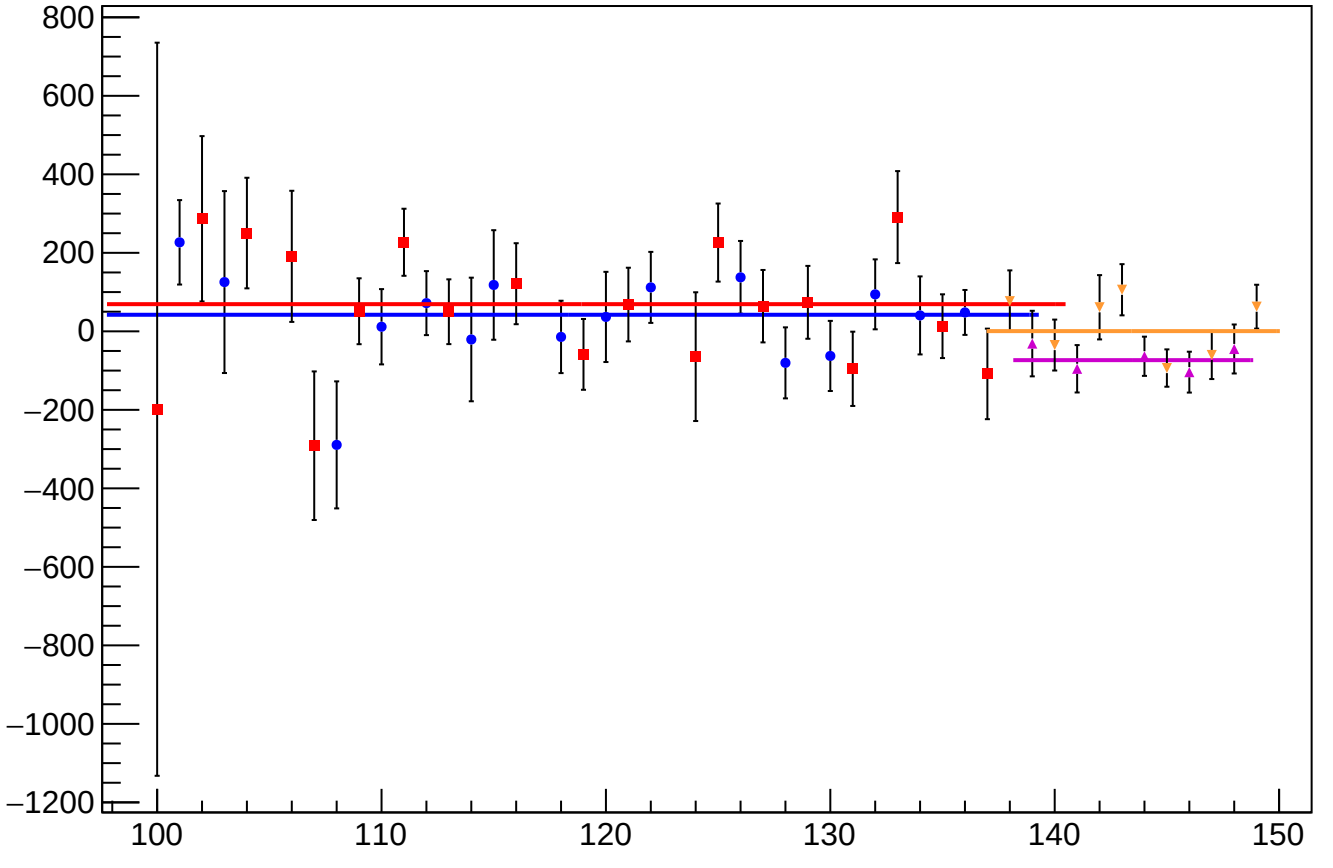
Left: 0.000+/-0.000 χ^2/NDF: 1234576.8/11

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:5496895.6/25

All: 0.000+/-0.000 χ^2/NDF: 9875920.7/46



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: 0.566+/-23.490 χ^2/NDF:10.5/6

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: -32.229+/-17.524 χ^2/NDF: 15.9/11

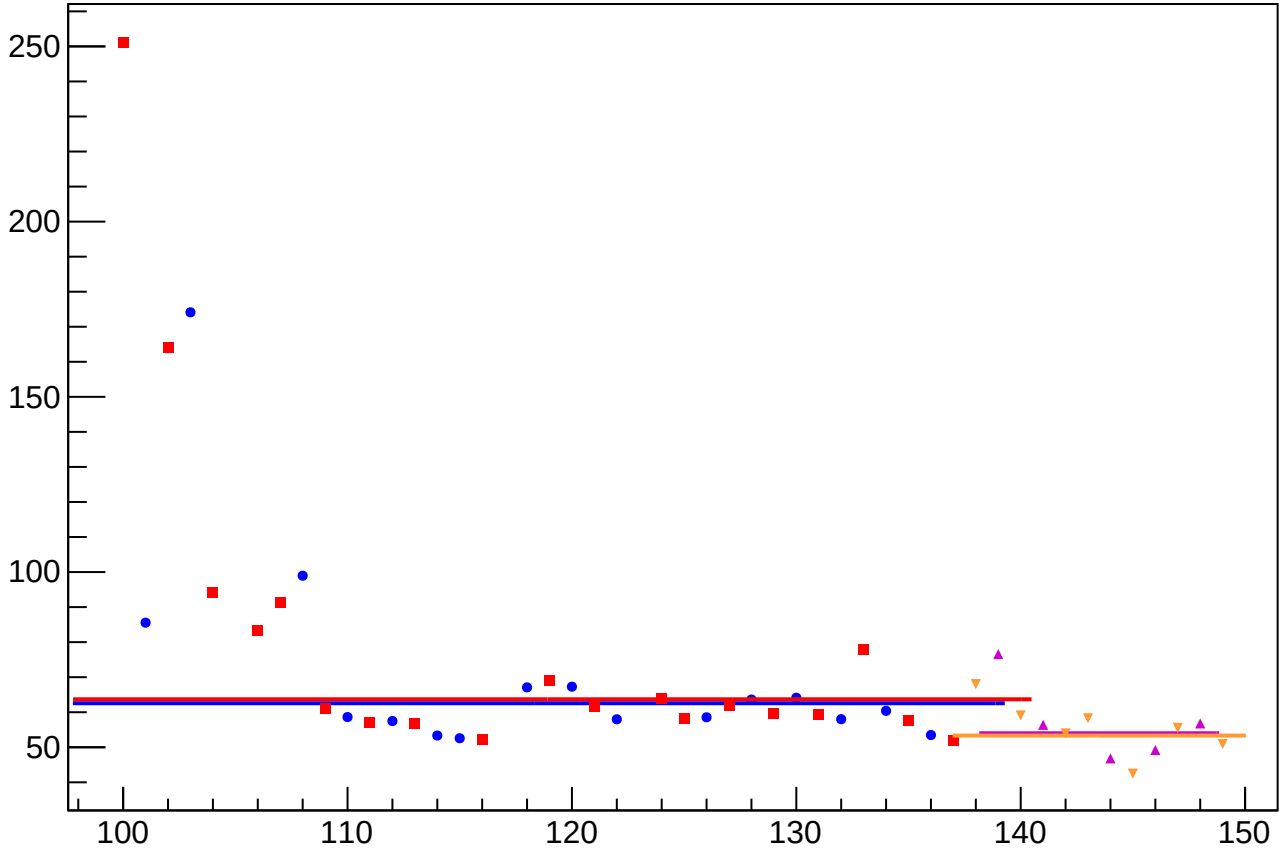
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.768+/-17.815 χ^2/NDF:25.0/20

Out: 33.578+/-16.929 χ^2/NDF:40.0/25

All: 12.536+/-12.272 χ^2/NDF: 68.3/46

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.343+/-0.017 χ^2/NDF:208044.9/6

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: 53.633+/-0.012 χ^2/NDF: 420420.9/11

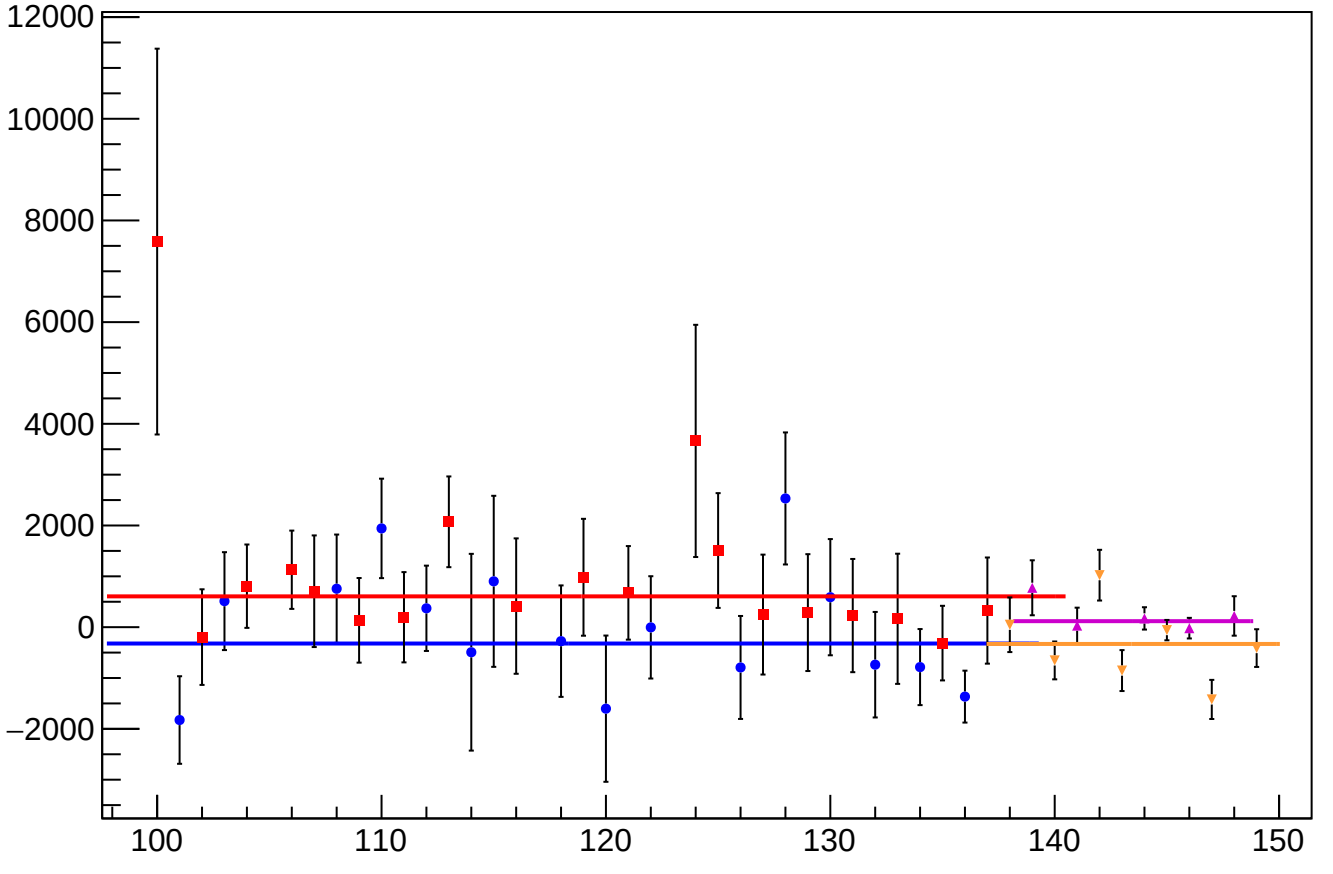
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 58.638+/-0.013 χ^2/NDF:1085178.8/20

Out: 58.321+/-0.012 χ^2/NDF:1229065.8/25

All: 58.471+/-0.009 χ^2/NDF: 2314577.3/46

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -330.196+/-129.294 χ^2/NDF:20.2/6

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 118.165+/-125.779 χ^2/NDF:2.1/4

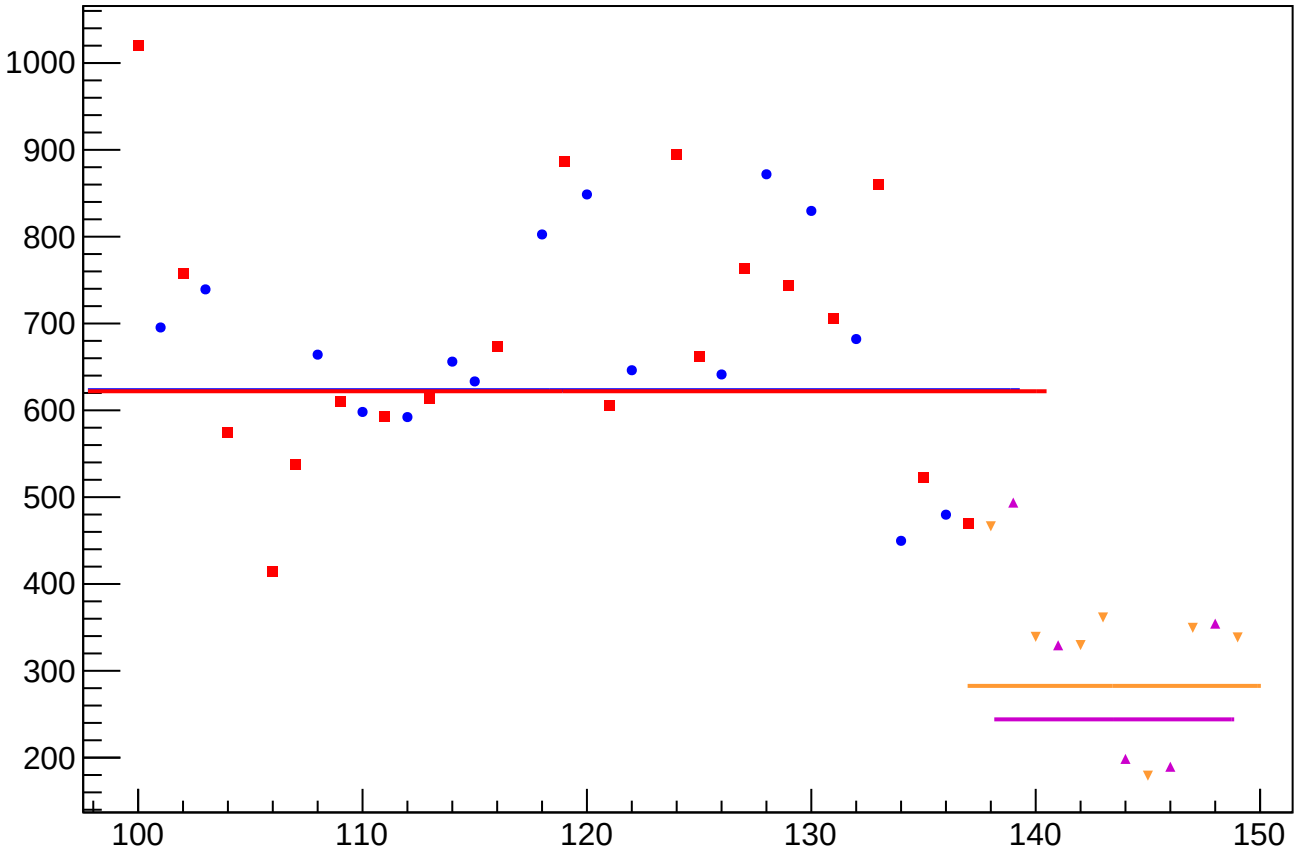
Left: -99.839+/-90.156 χ^2/NDF: 28.5/11

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 22.445+/-111.254 χ^2/NDF:27.5/20

Out: -110.748+/-113.127 χ^2/NDF:45.0/25

All: -43.040+/-79.322 χ^2/NDF: 73.2/46



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 282.639+/-0.091 χ^2/NDF:1013078.8/6

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 244.082+/-0.089 χ^2/NDF:936122.7/4

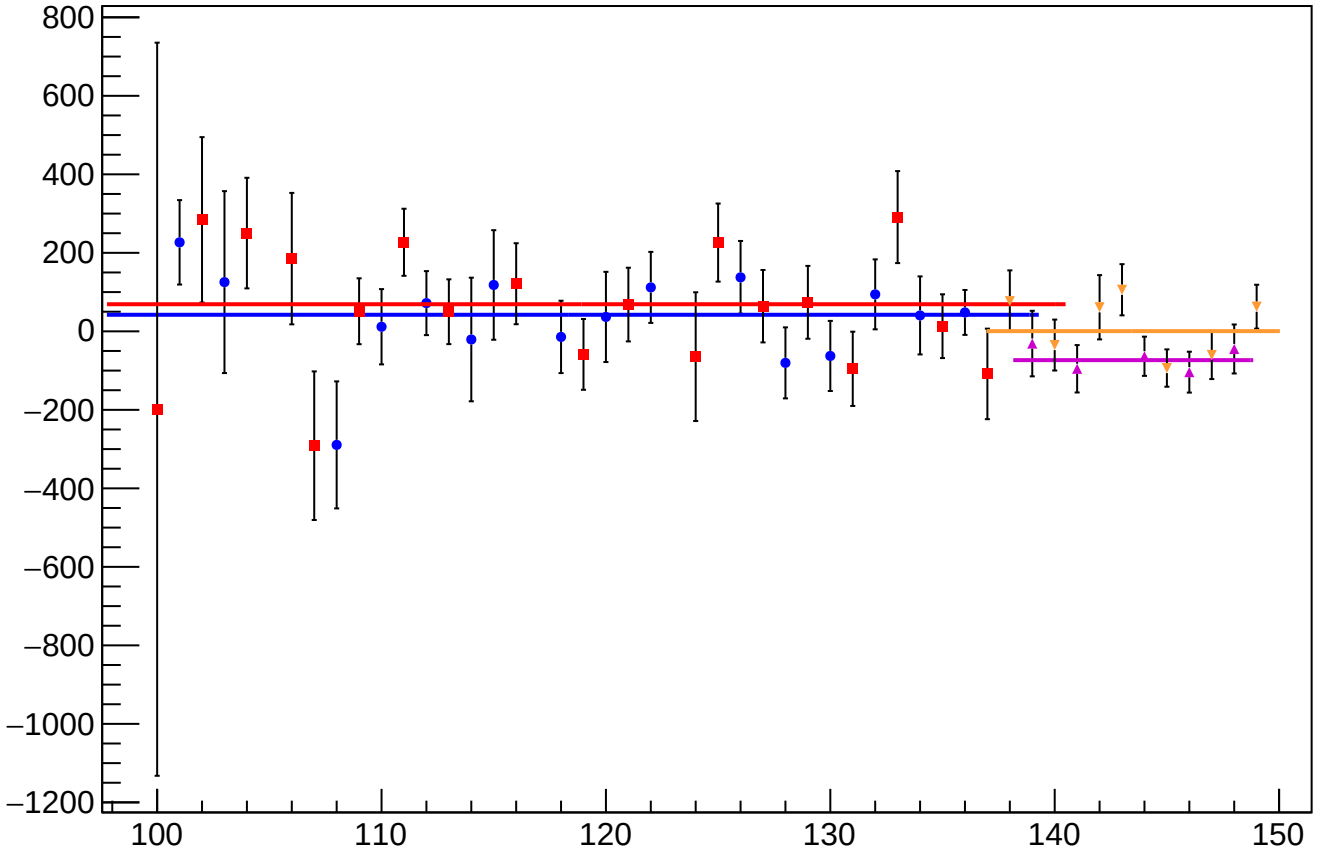
Left: 262.829+/-0.064 χ^2/NDF: 2040582.7/11

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 326.585+/-0.079 χ^2/NDF:5455642.3/20

Out: 362.192+/-0.080 χ^2/NDF:4825383.0/25

All: 344.091+/-0.056 χ^2/NDF: 10381749.8/46



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 0.569+/-23.490 χ^2/NDF:10.5/6

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: -32.226+/-17.524 χ^2/NDF: 15.9/11

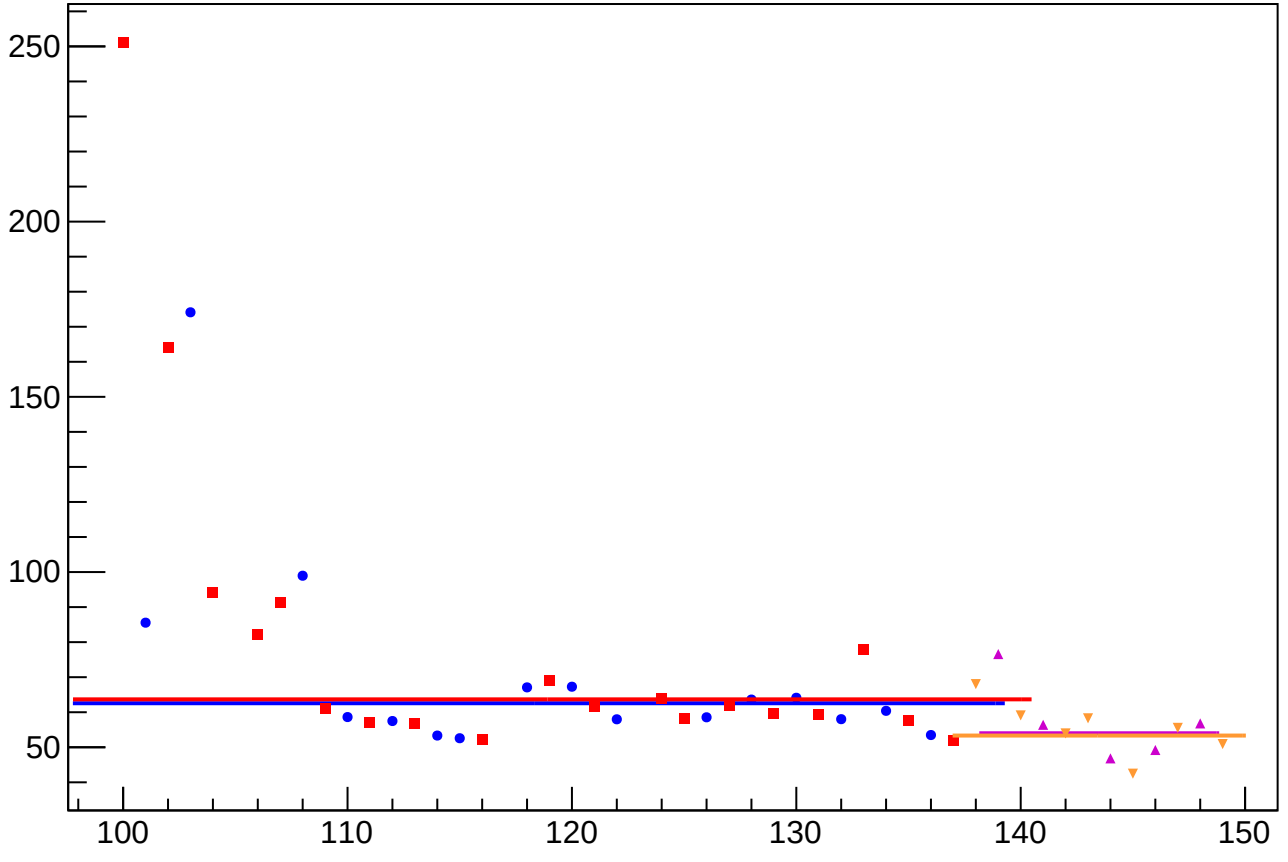
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.770+/-17.815 χ^2/NDF:25.0/20

Out: 33.490+/-16.929 χ^2/NDF:39.9/25

All: 12.488+/-12.272 χ^2/NDF: 68.1/46

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.343+/-0.017 χ^2/NDF:208044.9/6

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.996+/-0.019 χ^2/NDF:211690.5/4

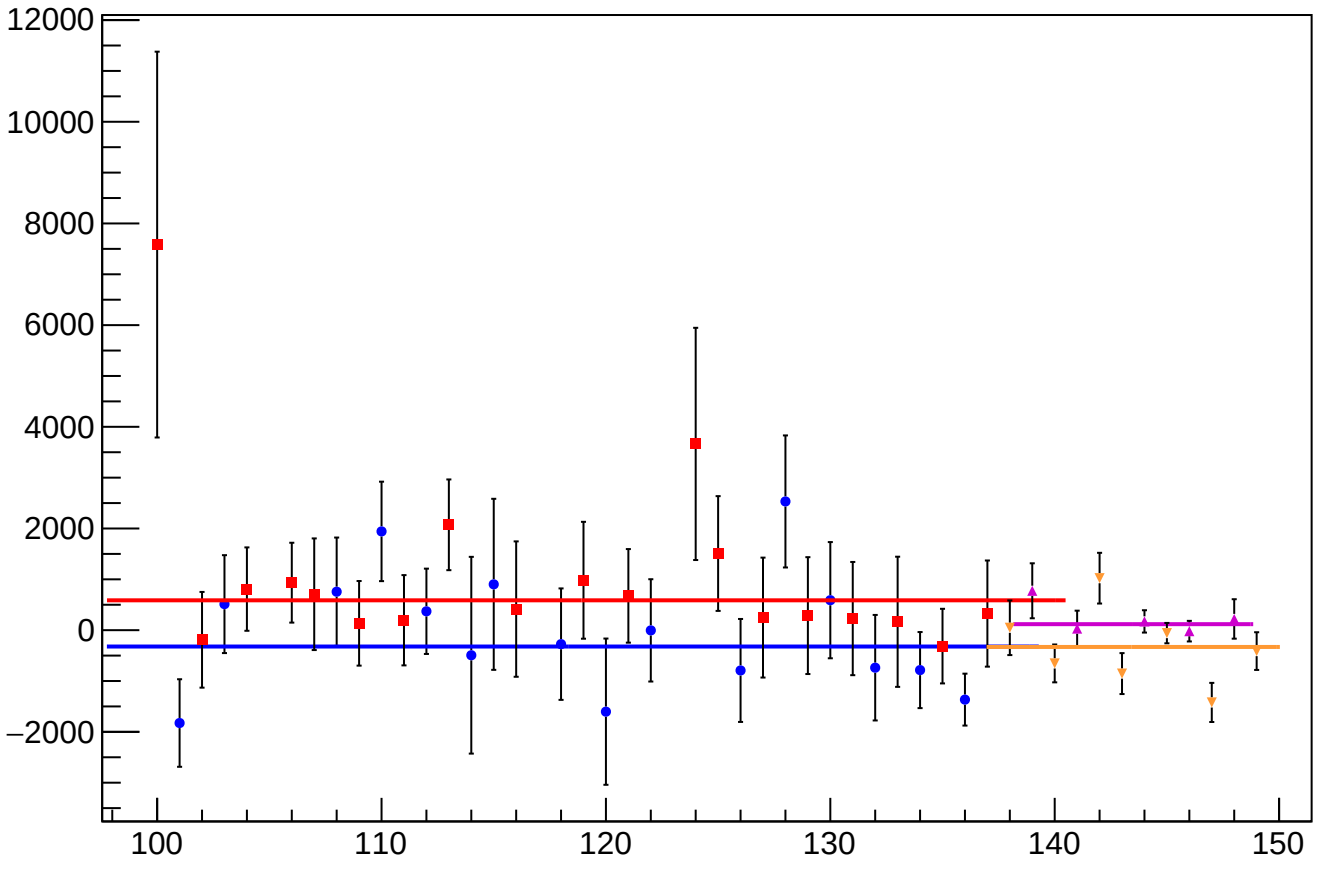
Left: 53.633+/-0.012 χ^2/NDF: 420420.9/11

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.638+/-0.013 χ^2/NDF:1085180.8/20

Out: 58.309+/-0.012 χ^2/NDF:1225436.4/25

All: 58.465+/-0.009 χ^2/NDF: 2310975.4/46



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -330.194+/-129.294 χ^2/NDF:20.2/6

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 118.171+/-125.779 χ^2/NDF:2.1/4

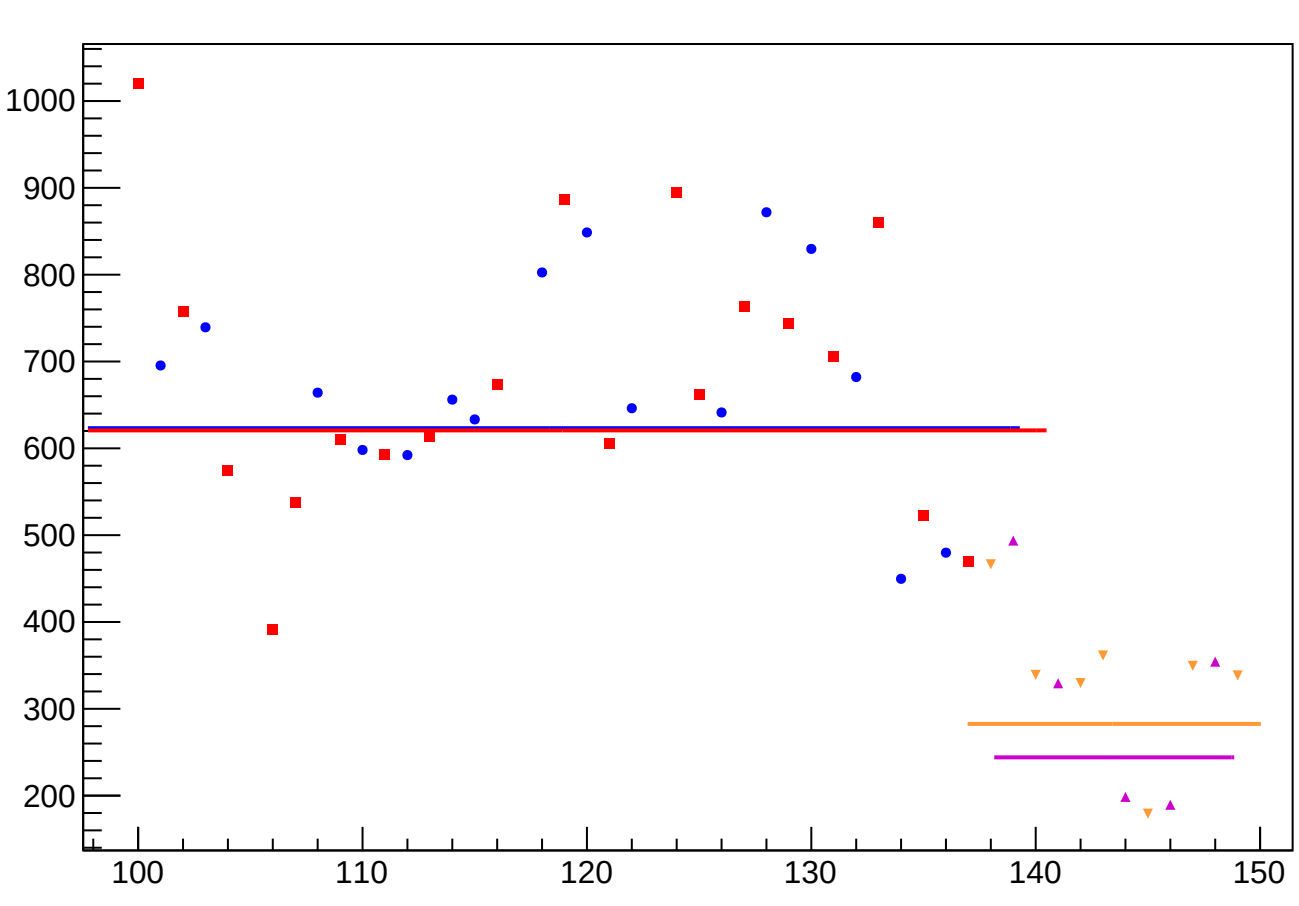
Left: -99.835+/-90.156 χ^2/NDF: 28.5/11

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 22.452+/-111.254 χ^2/NDF:27.5/20

Out: -115.730+/-113.177 χ^2/NDF:44.2/25

All: -45.456+/-79.340 χ^2/NDF: 72.4/46



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 282.638+/-0.091 χ^2/NDF:1013083.5/6

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

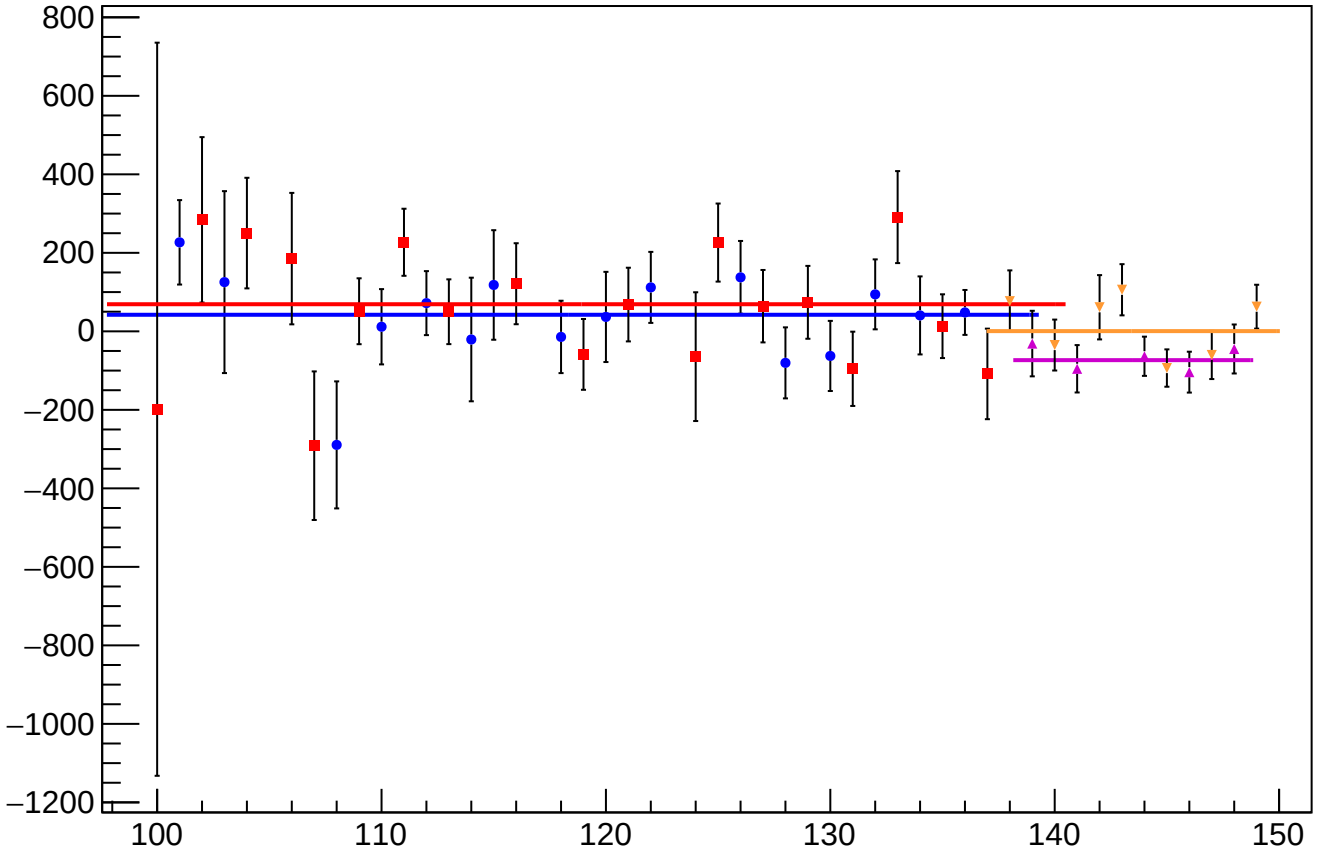
Left: 262.829+/-0.064 χ^2/NDF: 2040591.5/11

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 326.584+/-0.079 χ^2/NDF:5455708.1/20

Out: 361.660+/-0.080 χ^2/NDF:4819437.2/25

All: 343.822+/-0.056 χ^2/NDF: 10372842.1/46



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: 0.569+/-23.490 χ^2/NDF:10.5/6

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: -32.226+/-17.524 χ^2/NDF: 15.9/11

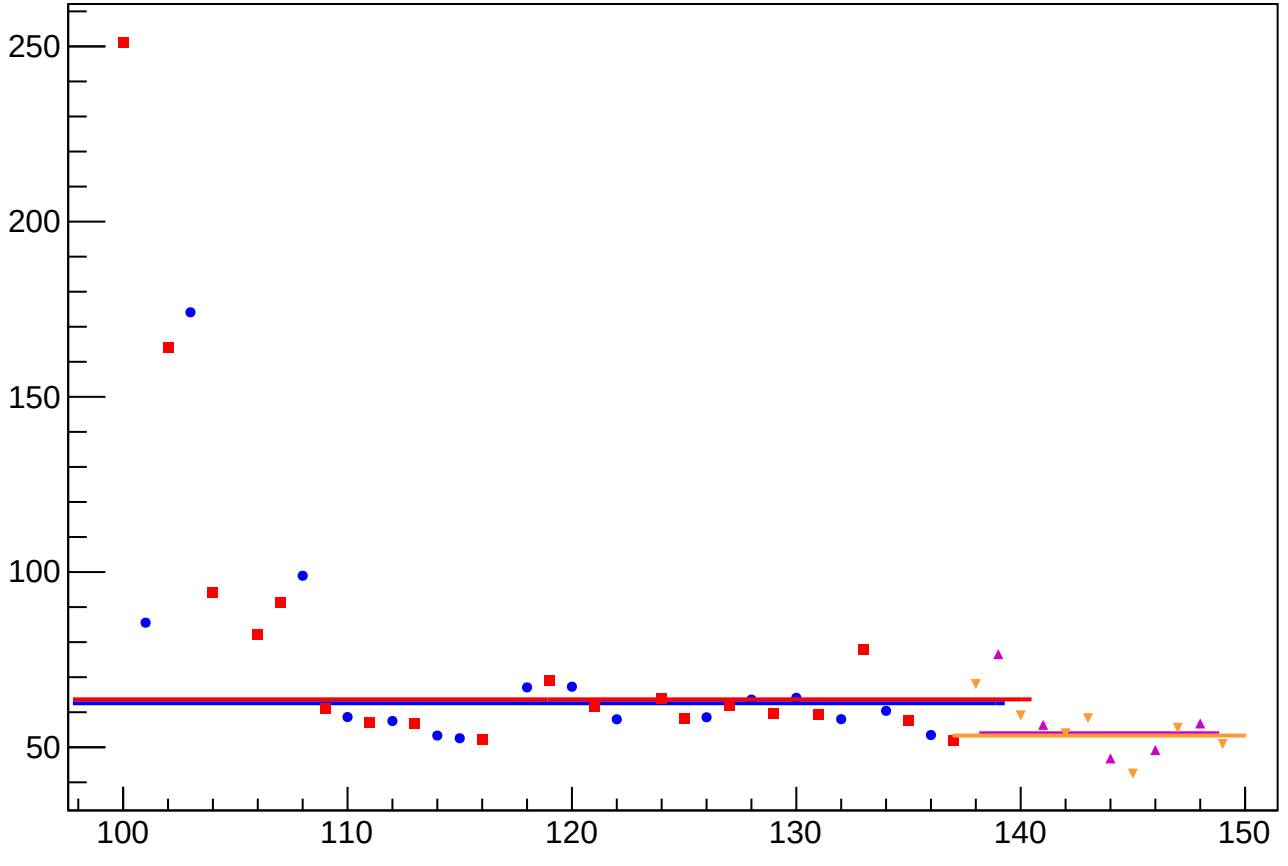
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.770+/-17.815 χ^2/NDF:25.0/20

Out: 33.490+/-16.929 χ^2/NDF:39.9/25

All: 12.488+/-12.272 χ^2/NDF: 68.1/46

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.343+/-0.017 χ^2/NDF:208044.9/6

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: 53.633+/-0.012 χ^2/NDF: 420420.9/11

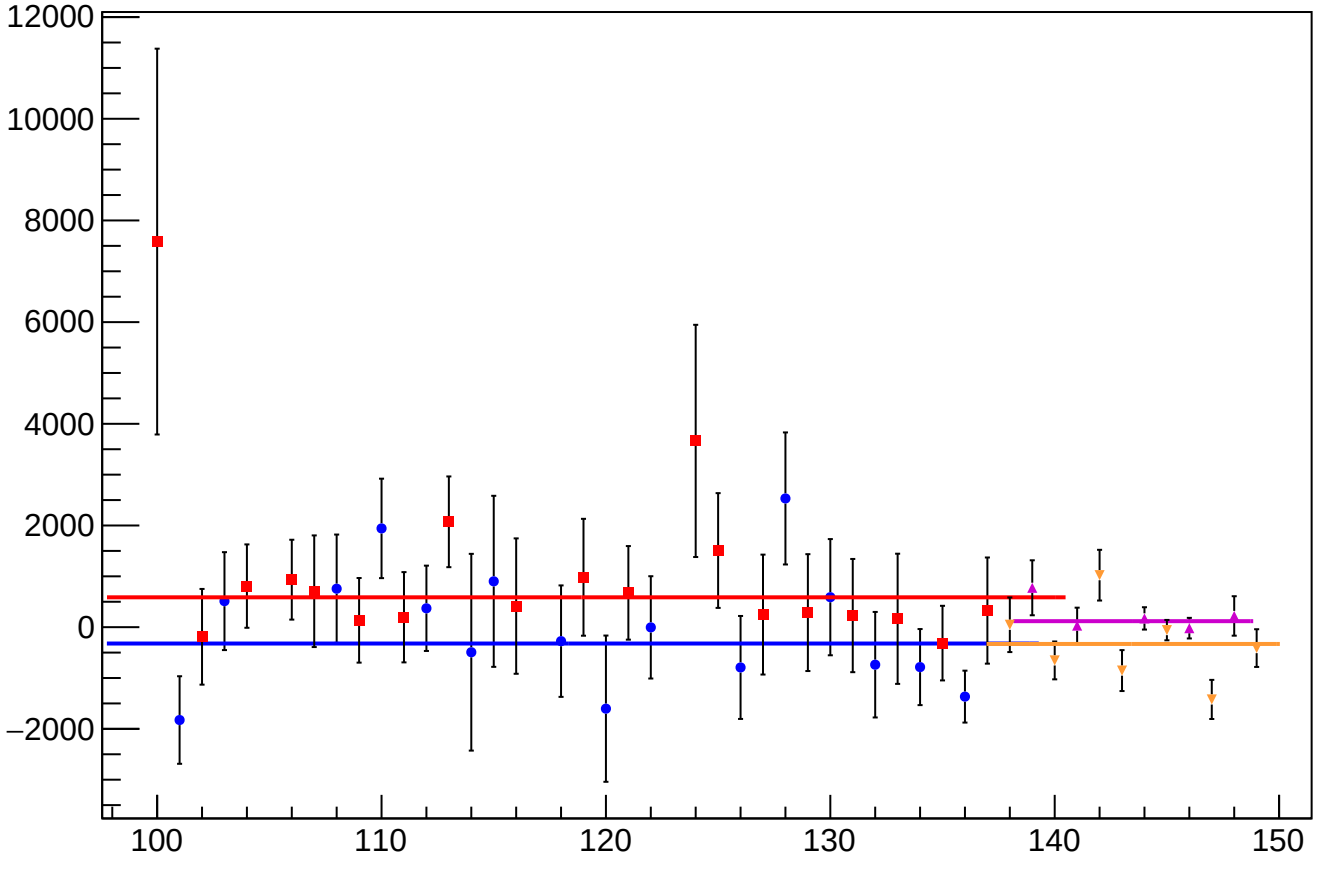
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.638+/-0.013 χ^2/NDF:1085180.8/20

Out: 58.309+/-0.012 χ^2/NDF:1225436.4/25

All: 58.465+/-0.009 χ^2/NDF: 2310975.4/46

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: -330.194+/-129.294 χ^2/NDF:20.2/6

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 118.171+/-125.779 χ^2/NDF:2.1/4

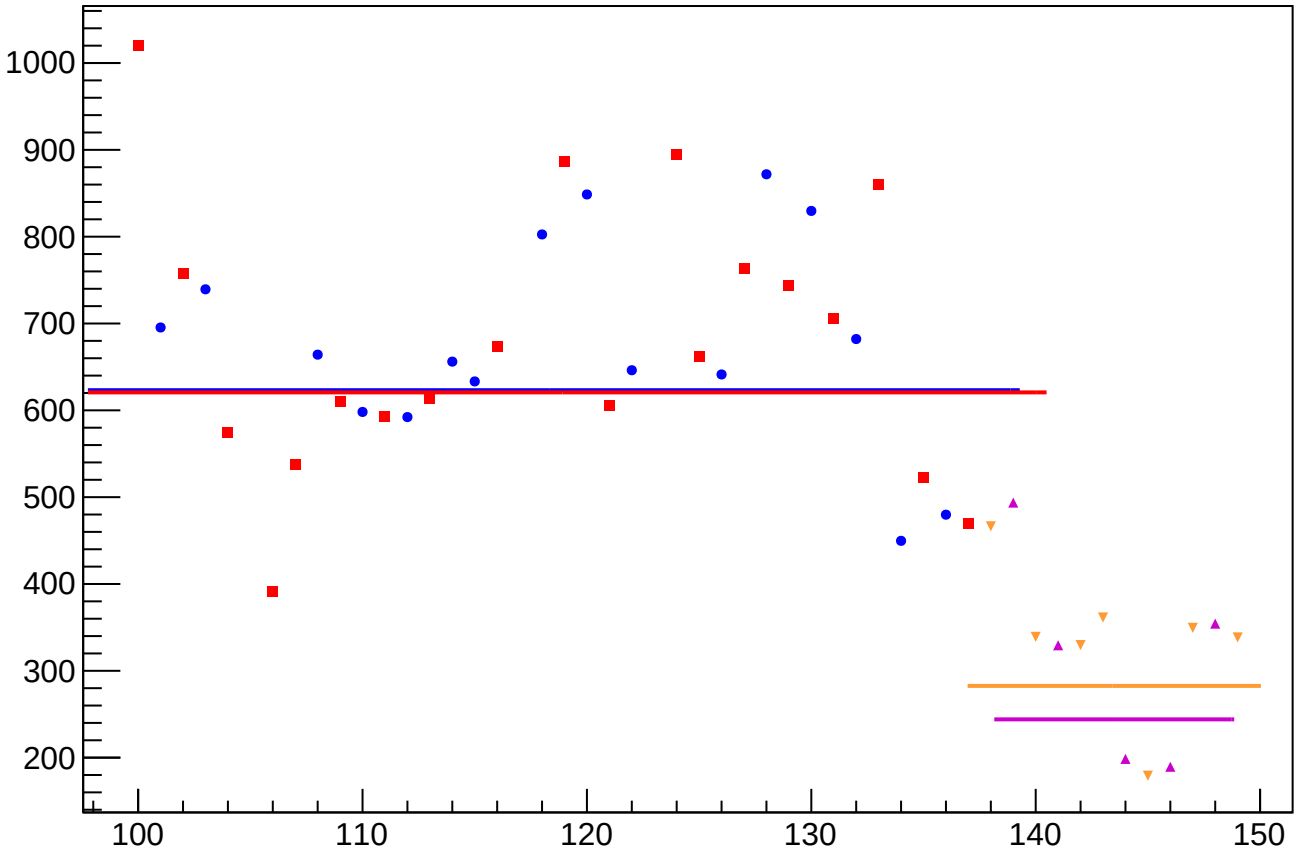
Left: -99.835+/-90.156 χ^2/NDF: 28.5/11

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 22.452+/-111.254 χ^2/NDF:27.5/20

Out: -115.730+/-113.177 χ^2/NDF:44.2/25

All: -45.456+/-79.340 χ^2/NDF: 72.4/46



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 282.638+/-0.091 χ^2/NDF:1013083.5/6

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 244.081+/-0.089 χ^2/NDF:936126.9/4

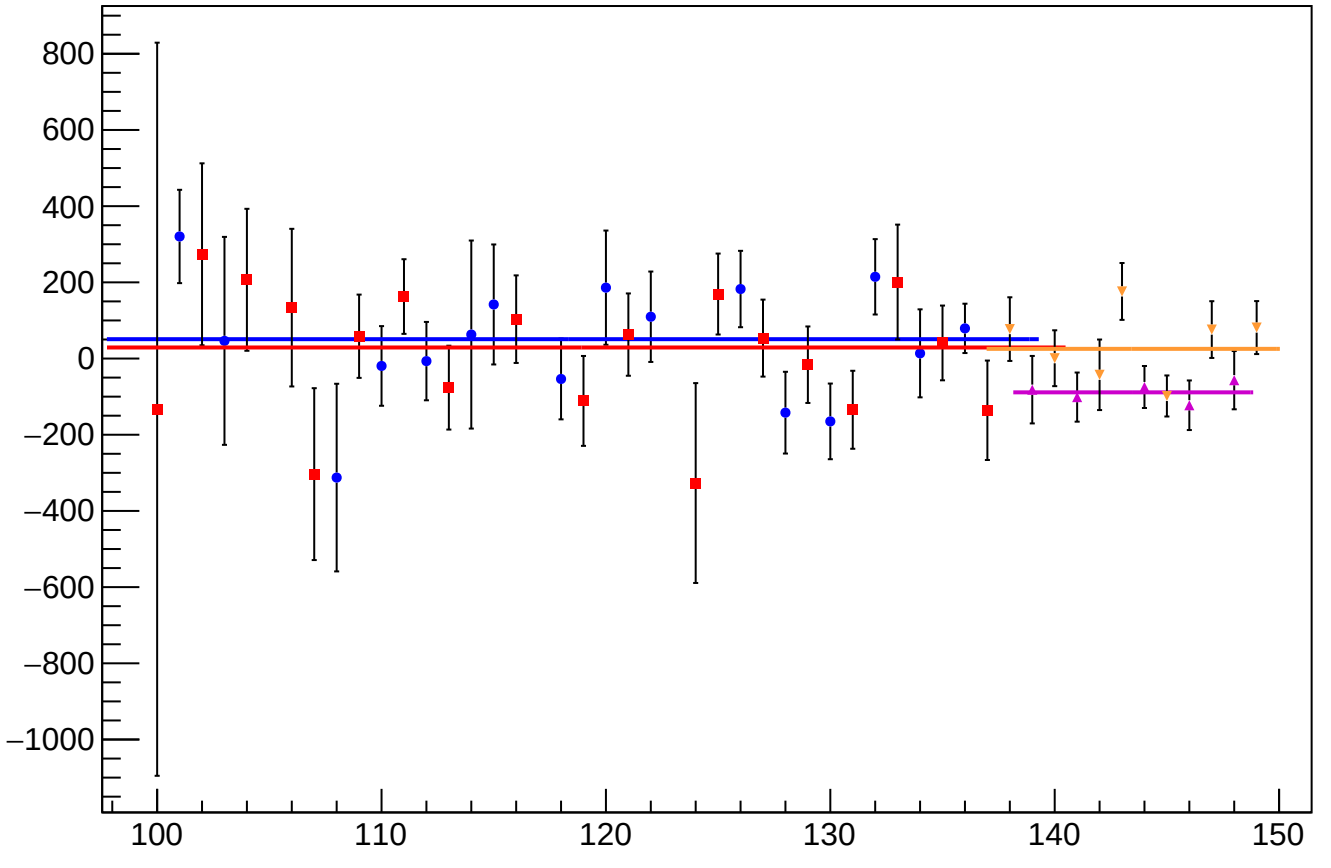
Left: 262.829+/-0.064 χ^2/NDF: 2040591.5/11

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 326.584+/-0.079 χ^2/NDF:5455708.1/20

Out: 361.660+/-0.080 χ^2/NDF:4819437.2/25

All: 343.822+/-0.056 χ^2/NDF: 10372842.1/46



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 25.447+/-27.146 χ^2/NDF:11.5/6

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: -25.779+/-20.157 χ^2/NDF: 20.0/11

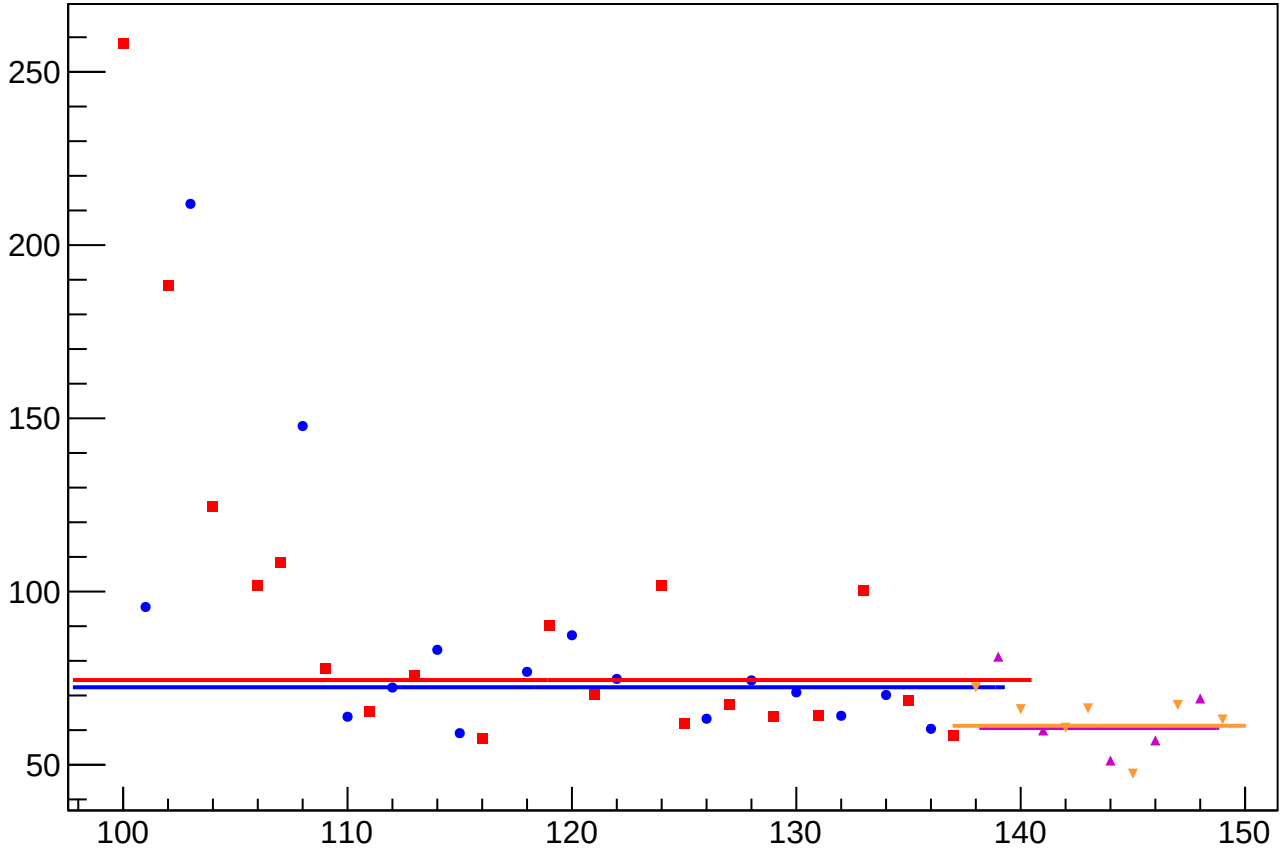
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -14.704+/-20.622 χ^2/NDF:34.8/20

Out: 27.130+/-19.789 χ^2/NDF:30.0/25

All: 7.075+/-14.279 χ^2/NDF: 67.0/46

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 61.265+/-0.019 χ^2/NDF:198927.0/6

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 60.607+/-0.021 χ^2/NDF:197214.6/4

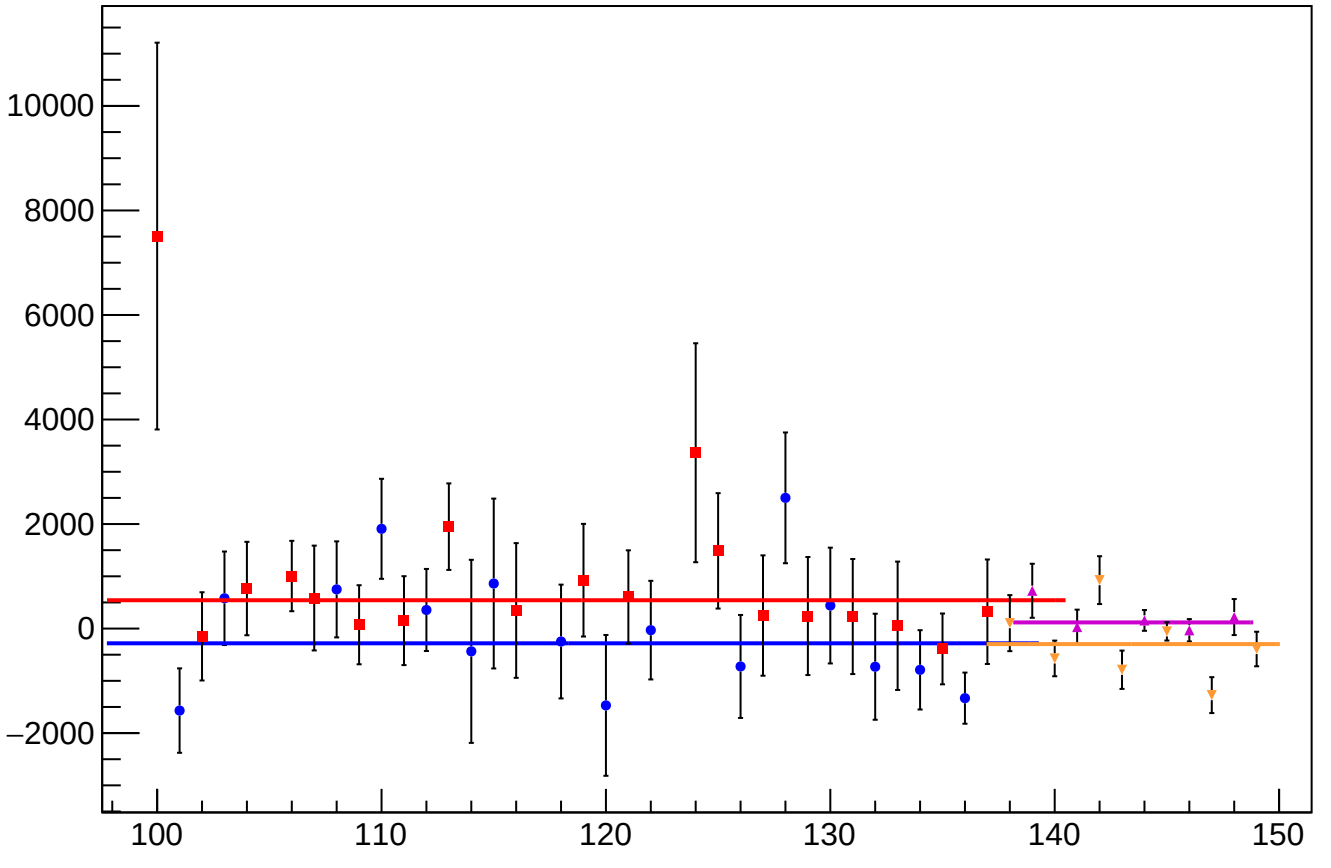
Left: 60.970+/-0.014 χ^2/NDF: 396668.6/11

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.850+/-0.015 χ^2/NDF:1297680.6/20

Out: 67.449+/-0.014 χ^2/NDF:1472762.1/25

All: 67.162+/-0.010 χ^2/NDF: 2771320.9/46



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -297.006+/-115.940 χ^2/NDF:20.2/6

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 117.722+/-120.926 χ^2/NDF:2.1/4

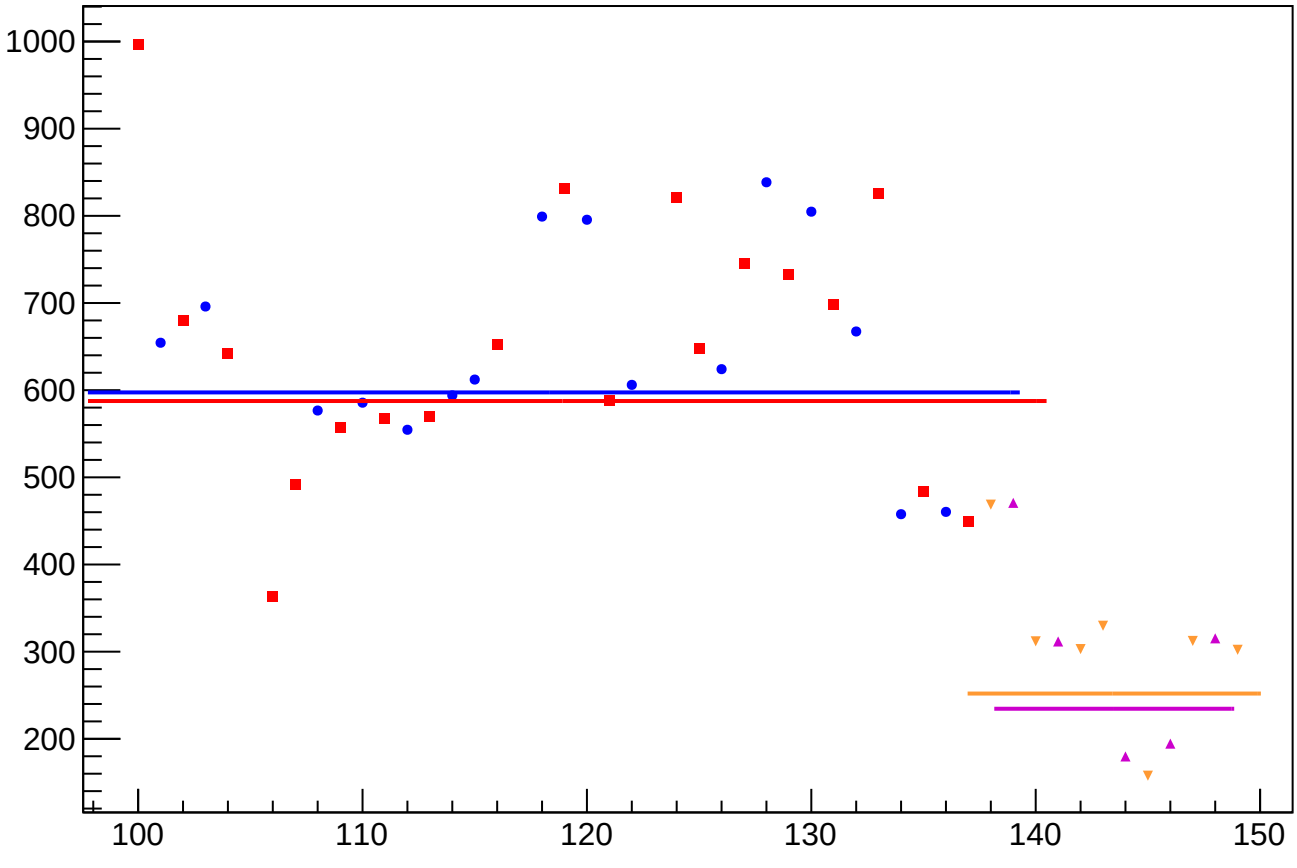
Left: -98.368+/-83.689 χ^2/NDF: 28.4/11

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 29.832+/-106.808 χ^2/NDF:27.3/20

Out: -115.801+/-102.660 χ^2/NDF:44.8/25

All: -45.868+/-74.014 χ^2/NDF: 73.0/46



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 251.953+/-0.082 χ^2/NDF:1188238.5/6

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 234.516+/-0.086 χ^2/NDF:856671.7/4

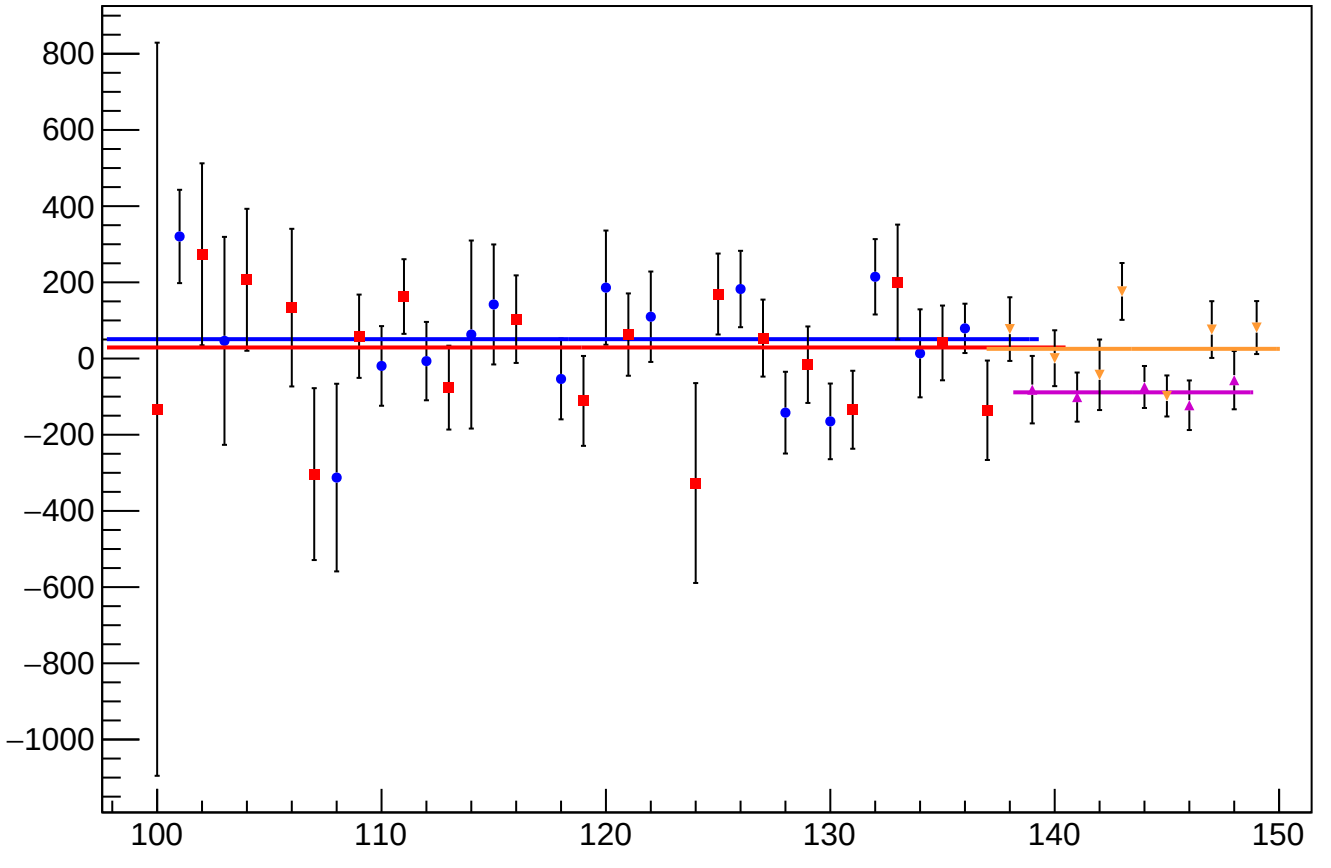
Left: 243.602+/-0.059 χ^2/NDF: 2066577.3/11

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 314.308+/-0.076 χ^2/NDF:5351078.1/20

Out: 324.435+/-0.073 χ^2/NDF:5496619.9/25

All: 319.572+/-0.052 χ^2/NDF: 10857043.9/46



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 25.448+/-27.146 χ^2/NDF:11.5/6

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -88.737+/-30.094 χ^2/NDF:0.6/4

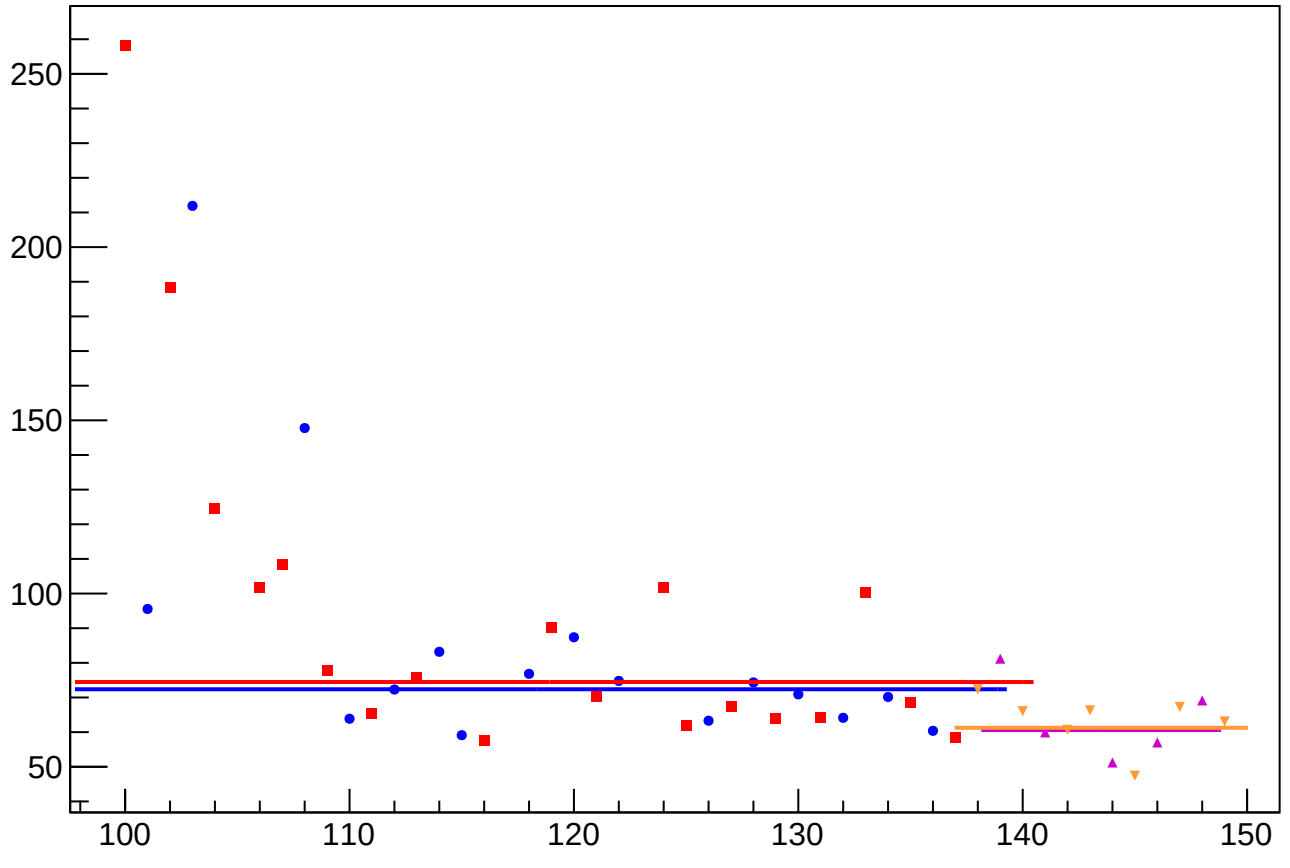
Left: -25.779+/-20.157 χ^2/NDF: 20.0/11

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -14.704+/-20.622 χ^2/NDF:34.8/20

Out: 27.130+/-19.789 χ^2/NDF:30.0/25

All: 7.075+/-14.279 χ^2/NDF: 67.0/46



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 61.265+/-0.019 χ^2/NDF:198935.7/6

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 60.607+/-0.021 χ^2/NDF:197217.8/4

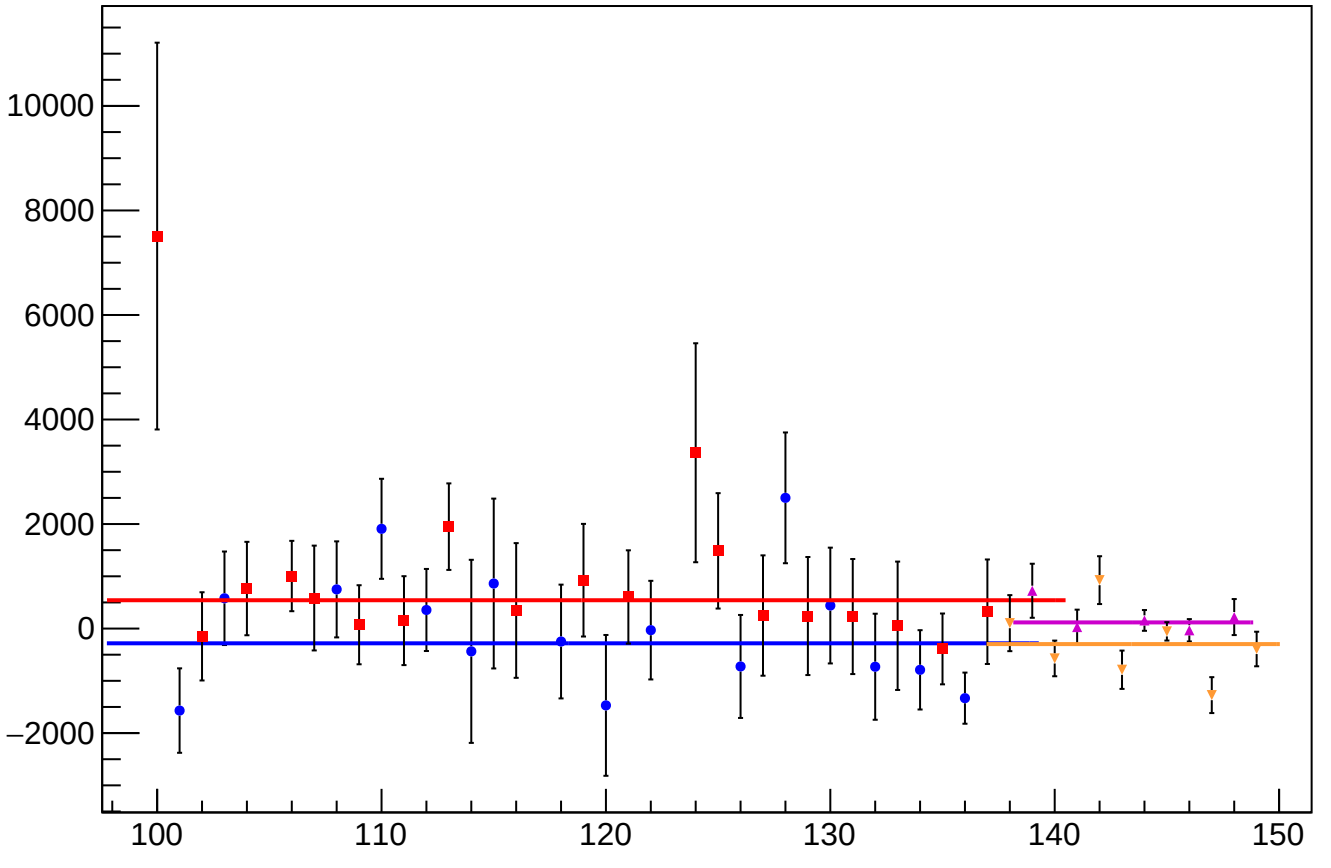
Left: 60.970+/-0.014 χ^2/NDF: 396680.8/11

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.850+/-0.015 χ^2/NDF:1297686.0/20

Out: 67.449+/-0.014 χ^2/NDF:1472758.3/25

All: 67.162+/-0.010 χ^2/NDF: 2771322.8/46



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -297.006+/-115.940 χ^2/NDF:20.2/6

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 117.722+/-120.926 χ^2/NDF:2.1/4

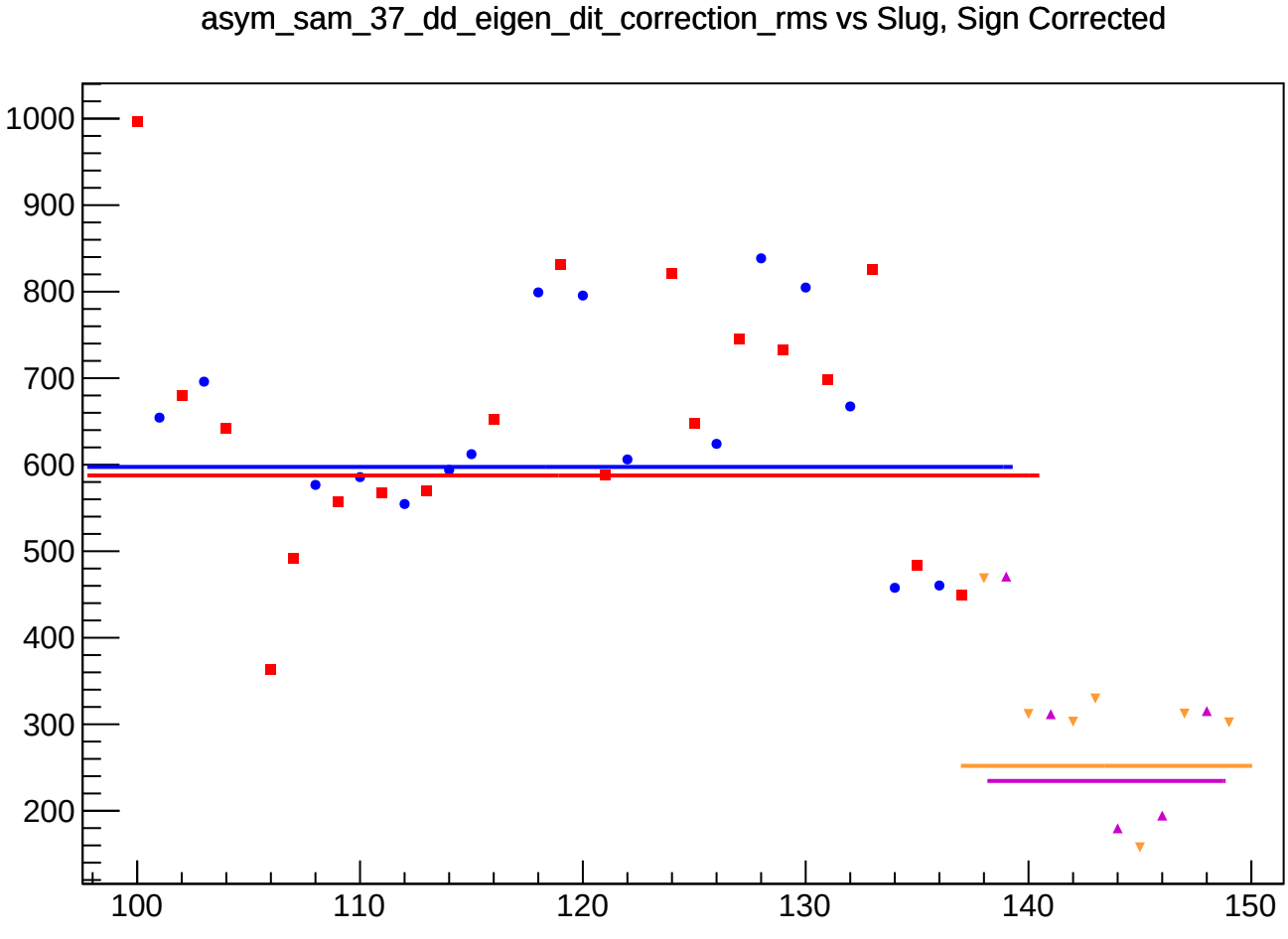
Left: -98.368+/-83.689 χ^2/NDF: 28.4/11

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 29.832+/-106.808 χ^2/NDF:27.3/20

Out: -115.802+/-102.659 χ^2/NDF:44.8/25

All: -45.868+/-74.014 χ^2/NDF: 73.0/46


asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
1000
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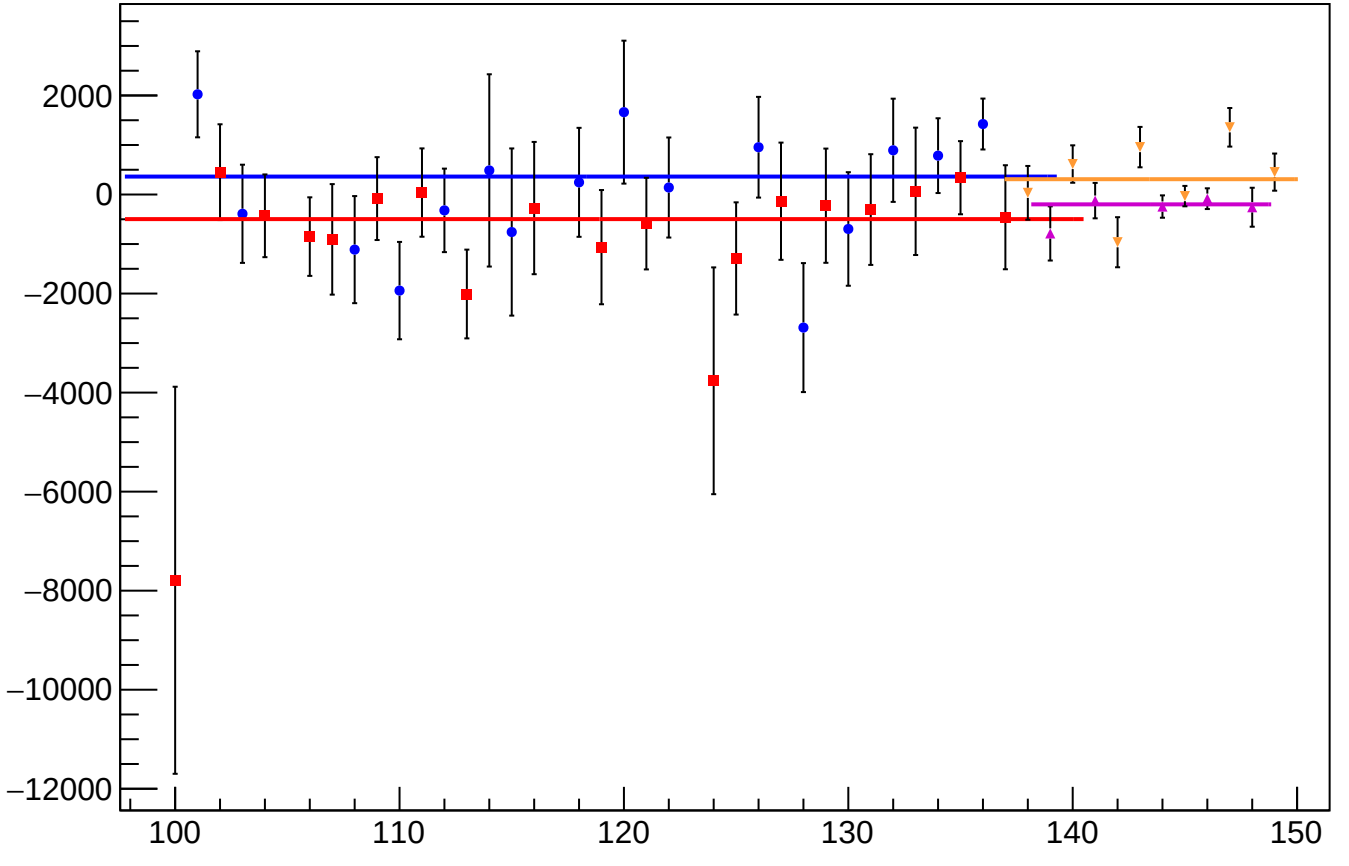
130
140
150
Right In: 597.439+/-0.161 χ²/NDF: 533790.1/15
Left Out: 251.953+/-0.082 χ²/NDF:1188234.3/6
Right Out: 587.565+/-0.156 χ²/NDF: 689033.6/18
Left In: 234.516+/-0.086 χ²/NDF:856671.0/4
Left: 243.602+/-0.059 χ²/NDF: 2066572.6/11
Right: 592.350+/-0.112 χ²/NDF: 1224760.1/34
In: 314.308+/-0.076 χ²/NDF:5351083.4/20
Out: 324.435+/-0.073 χ²/NDF:5496612.7/25
All: 319.572+/-0.052 χ²/NDF: 10857042.1/46

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 309.248+/-131.795 χ^2/NDF:19.9/6

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: 49.976+/-92.216 χ^2/NDF: 29.0/11

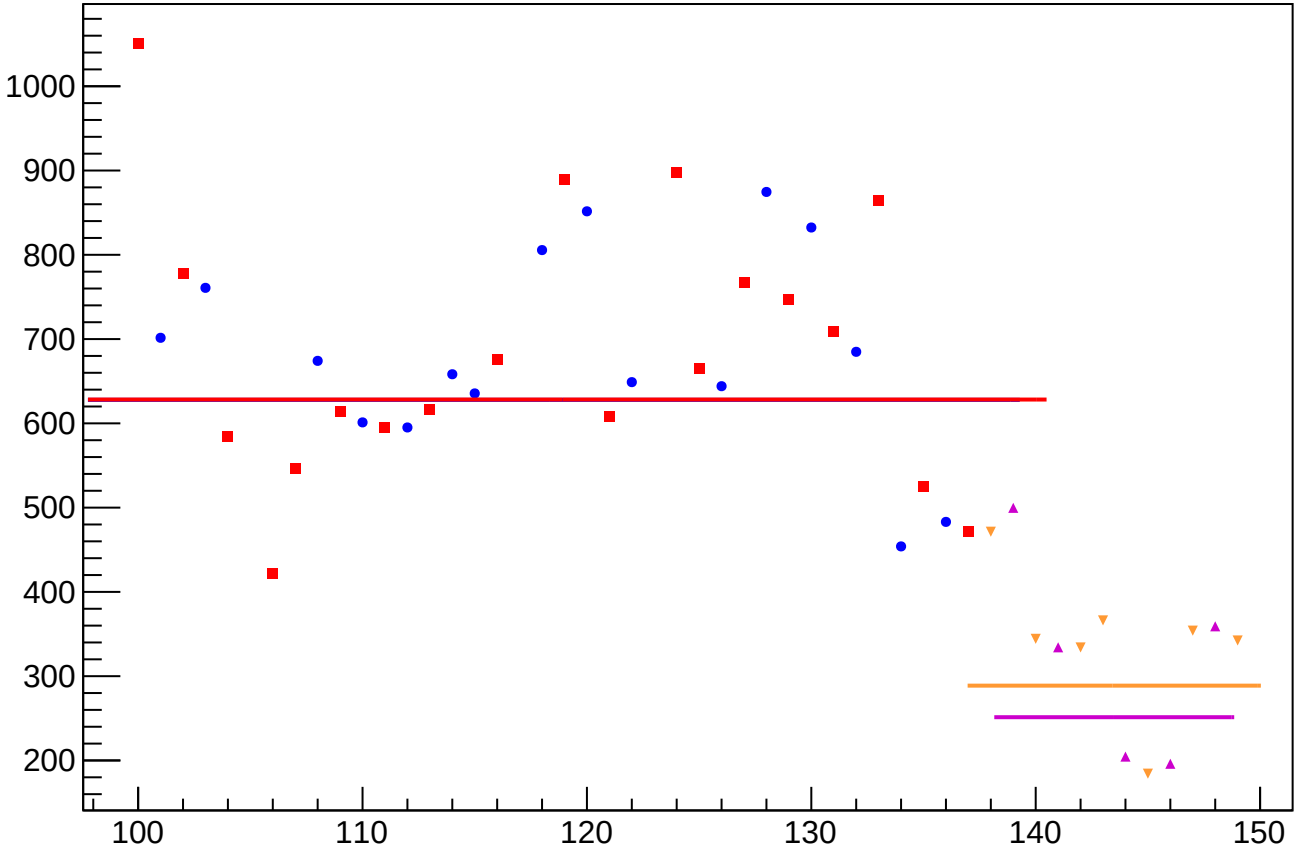
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -73.070+/-113.709 χ^2/NDF:30.8/20

Out: 117.701+/-115.071 χ^2/NDF:41.5/25

All: 21.180+/-80.882 χ^2/NDF: 73.7/46

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 288.771+/-0.093 χ^2/NDF:968710.5/6

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 251.319+/-0.091 χ^2/NDF:895024.9/4

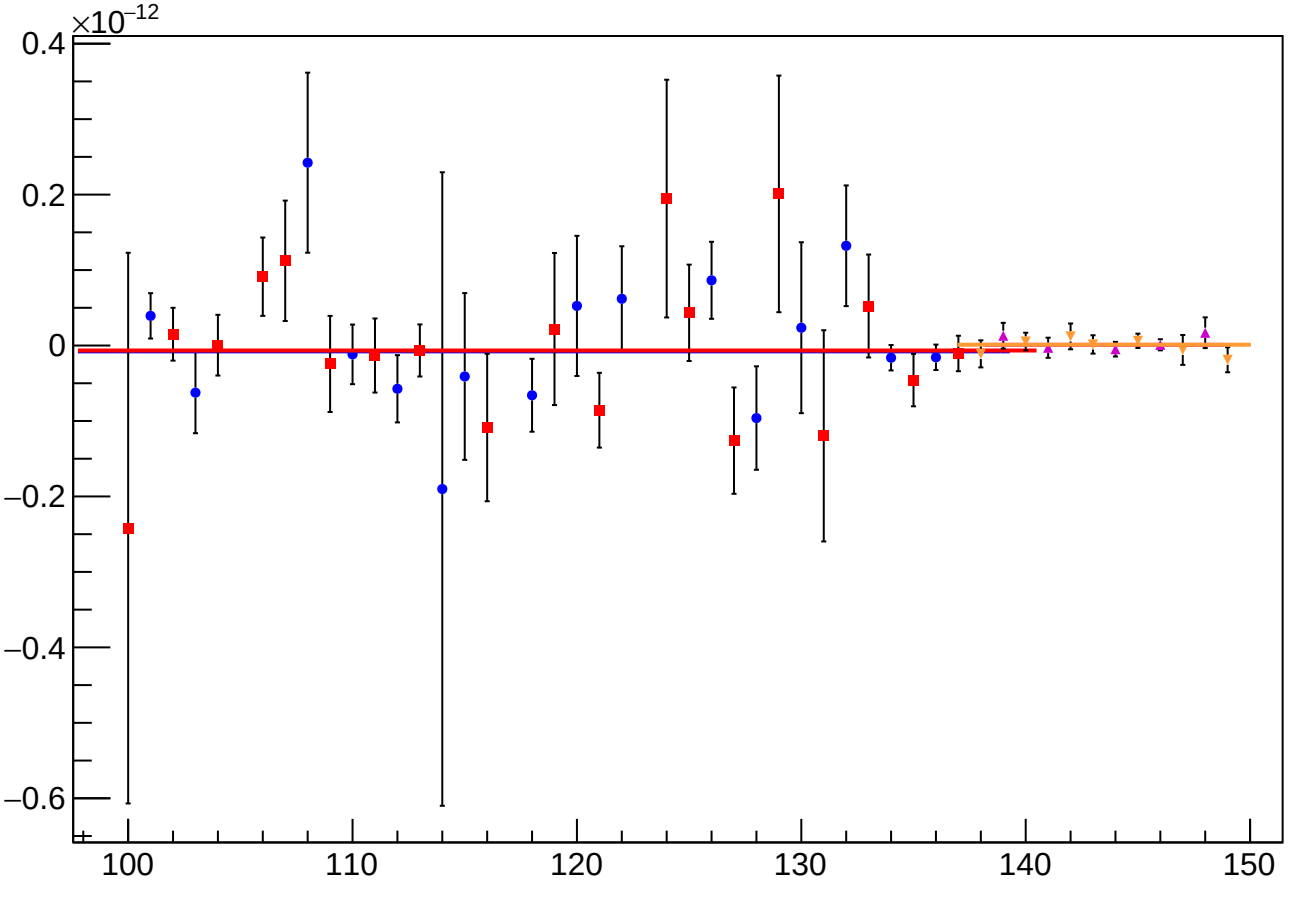
Left: 269.655+/-0.065 χ^2/NDF: 1946170.6/11

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 335.638+/-0.080 χ^2/NDF:5273625.8/20

Out: 369.460+/-0.081 χ^2/NDF:4693677.4/25

All: 352.348+/-0.057 χ^2/NDF: 10054720.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/6

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: 4.4/11

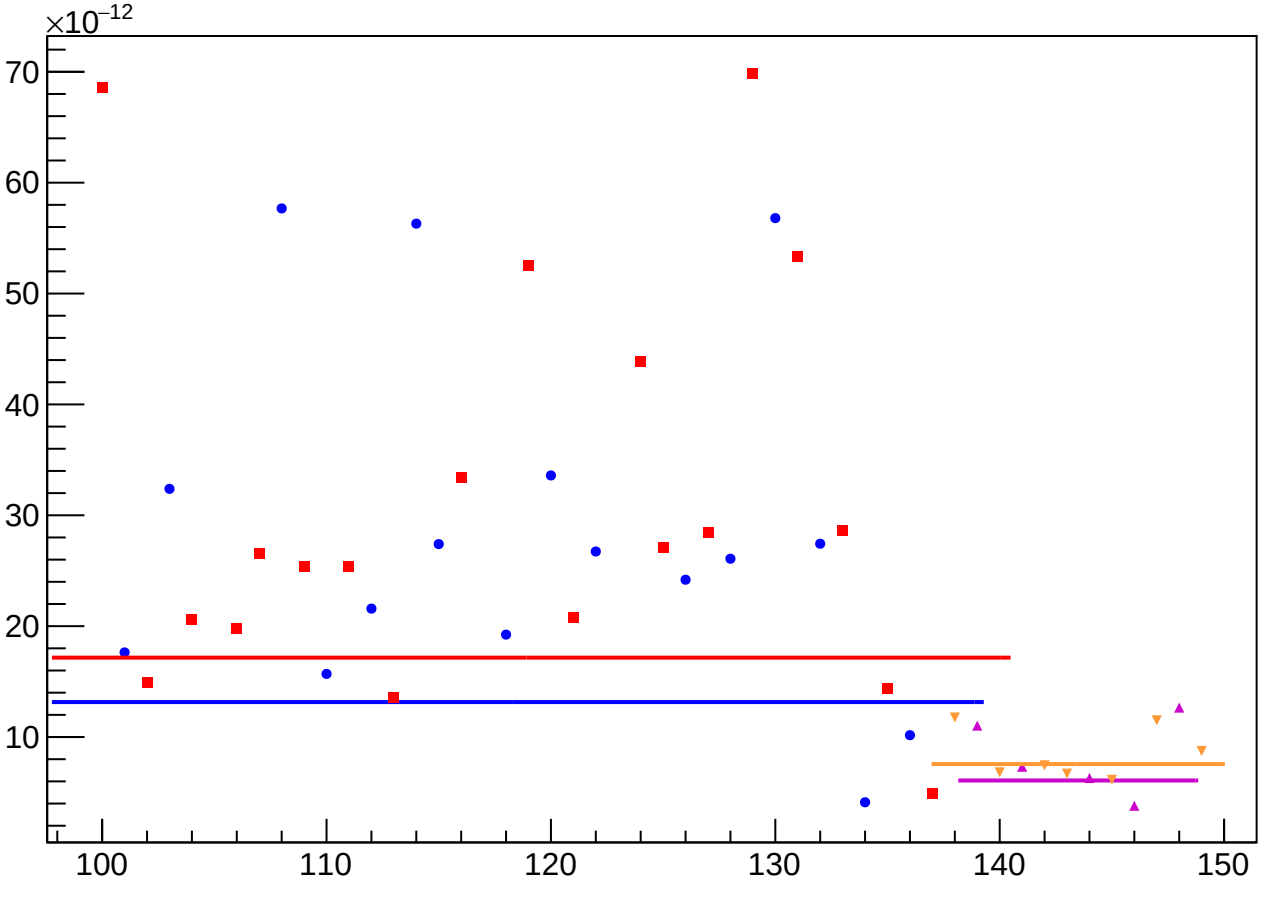
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.2/20

Out: -0.000+/-0.000 χ^2/NDF:23.2/25

All: -0.000+/-0.000 χ^2/NDF: 46.4/46

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:261826.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:586567.9/4

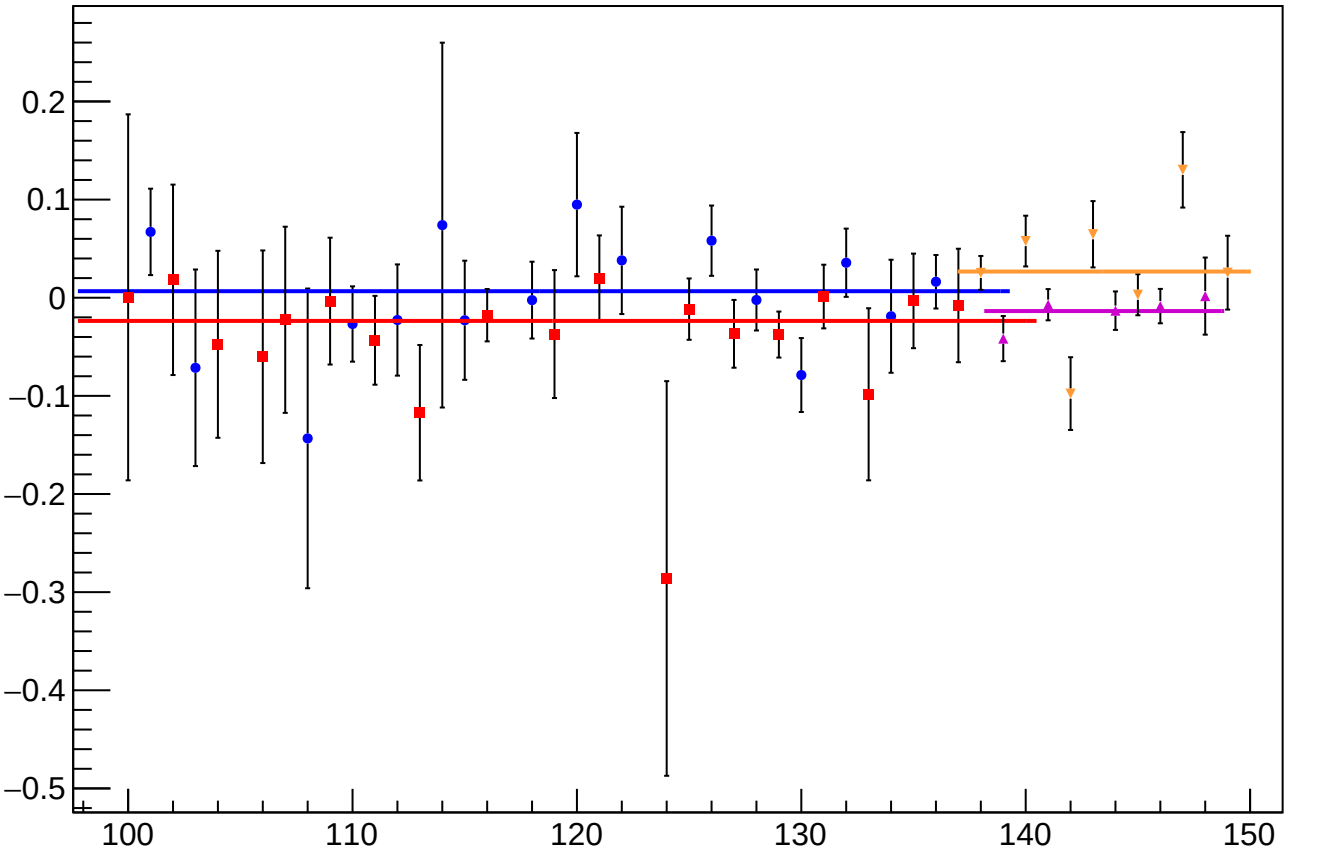
Left: 0.000+/-0.000 χ^2/NDF: 934123.7/11

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:3558778.6/20

Out: 0.000+/-0.000 χ^2/NDF:3063769.7/25

All: 0.000+/-0.000 χ^2/NDF: 6734202.1/46



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/6

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

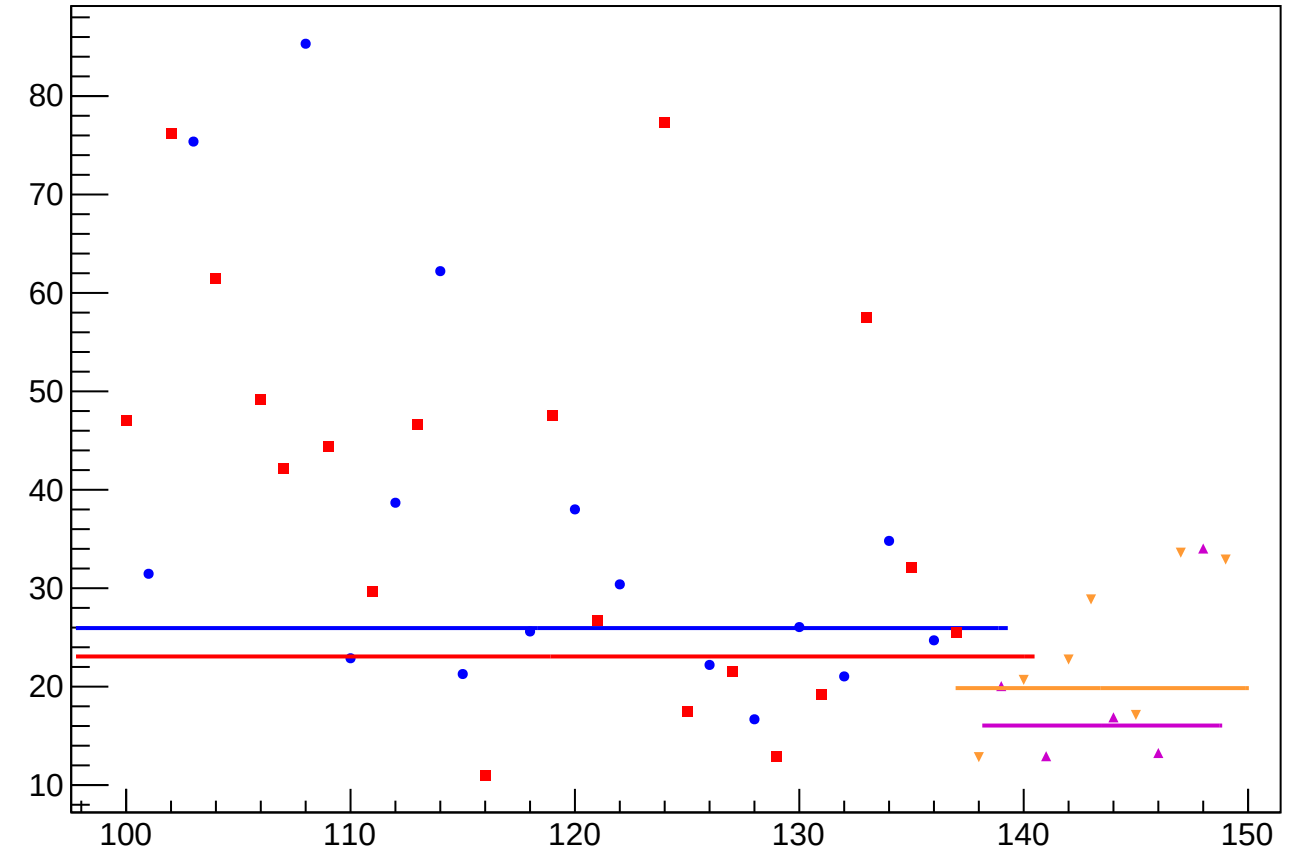
Left: 0.005+/-0.007 χ^2/NDF: 33.4/11

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.003+/-0.007 χ^2/NDF:42.1/25

All: -0.001+/-0.005 χ^2/NDF: 61.7/46



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 19.850+/-0.007 χ^2/NDF:1018503.9/6

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.048+/-0.006 χ^2/NDF:610888.5/4

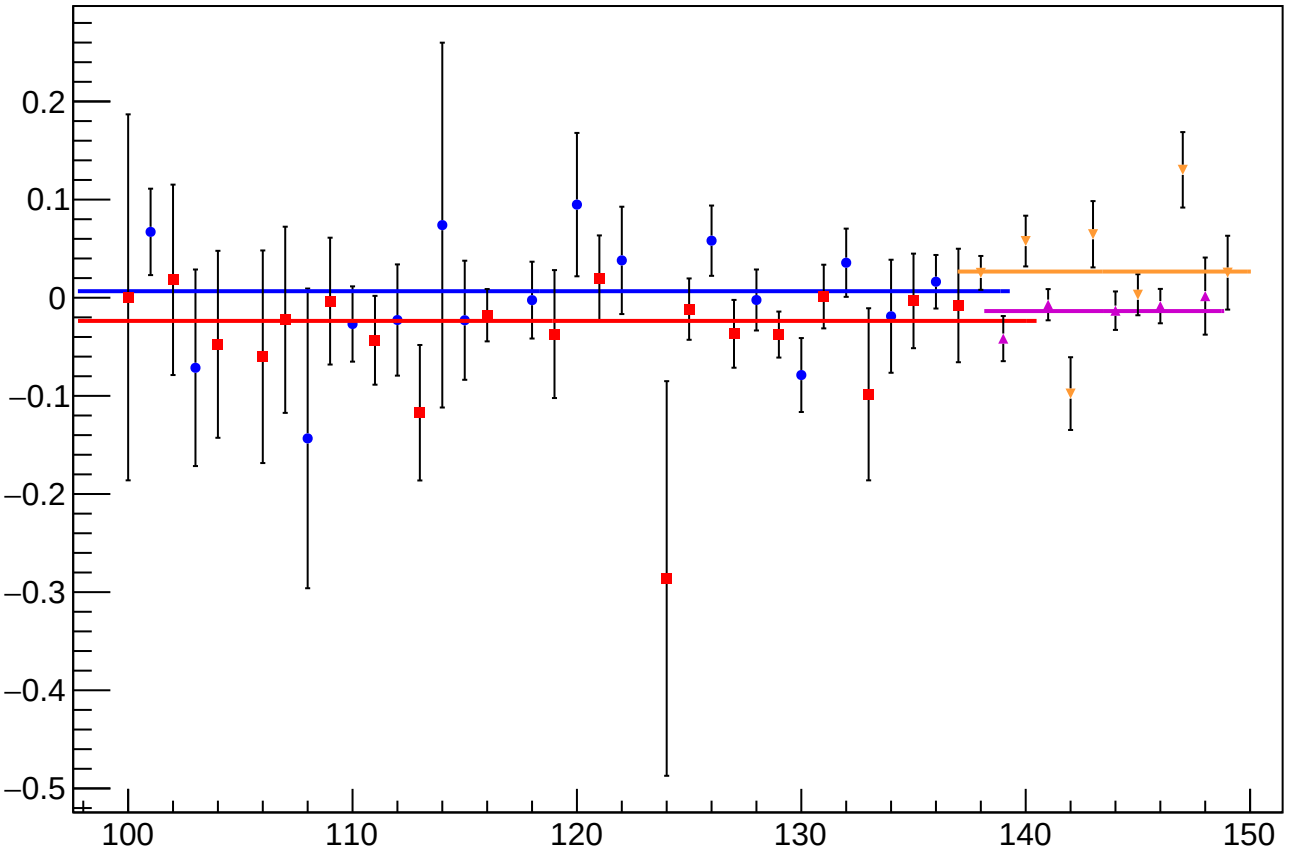
Left: 17.761+/-0.005 χ^2/NDF: 1790295.4/11

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 19.974+/-0.005 χ^2/NDF:2952938.7/20

Out: 21.369+/-0.005 χ^2/NDF:4478283.9/25

All: 20.649+/-0.004 χ^2/NDF: 7469747.7/46



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/6

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

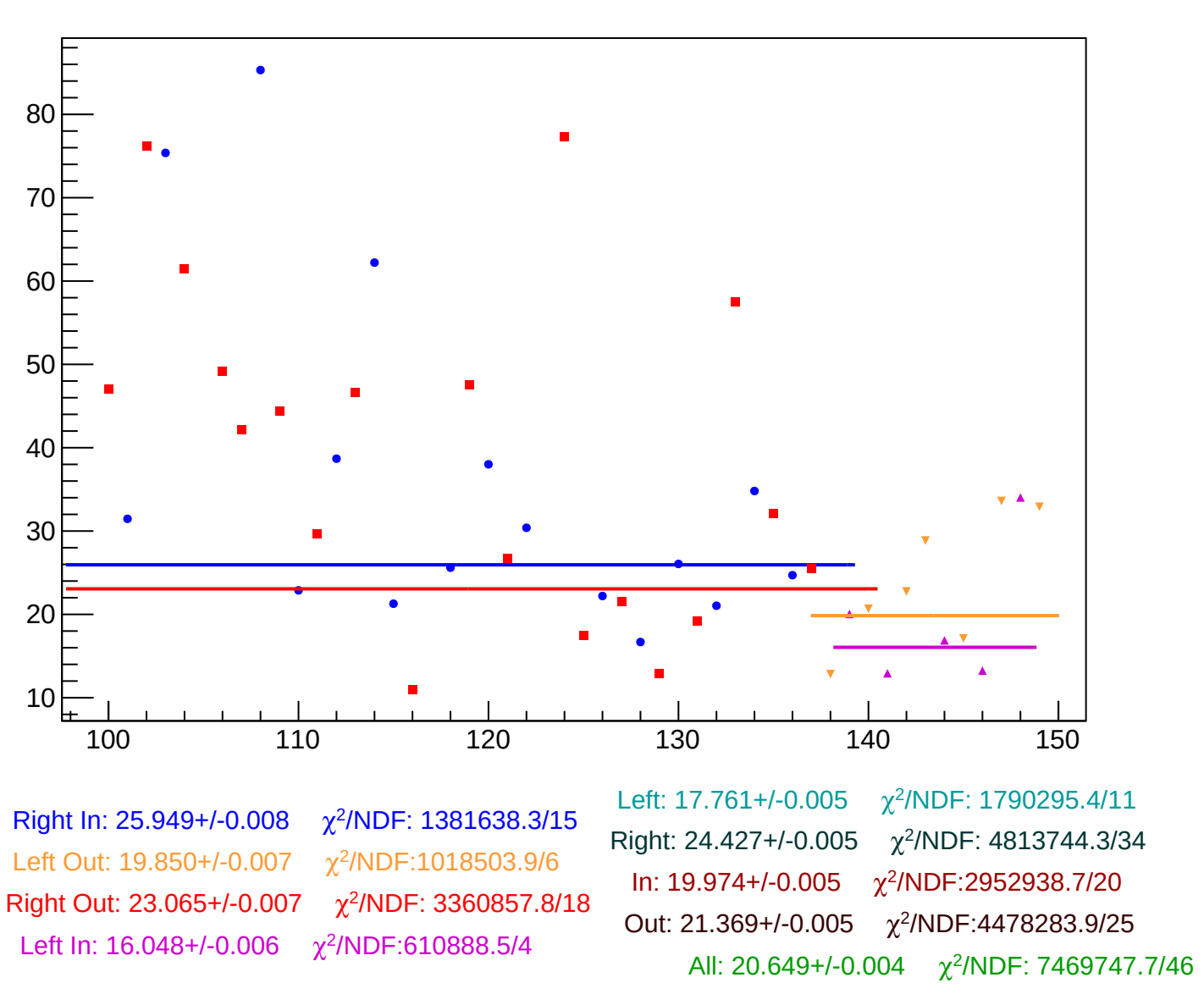
Left: 0.005+/-0.007 χ^2/NDF: 33.4/11

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.003+/-0.007 χ^2/NDF:42.1/25

All: -0.001+/-0.005 χ^2/NDF: 61.7/46


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
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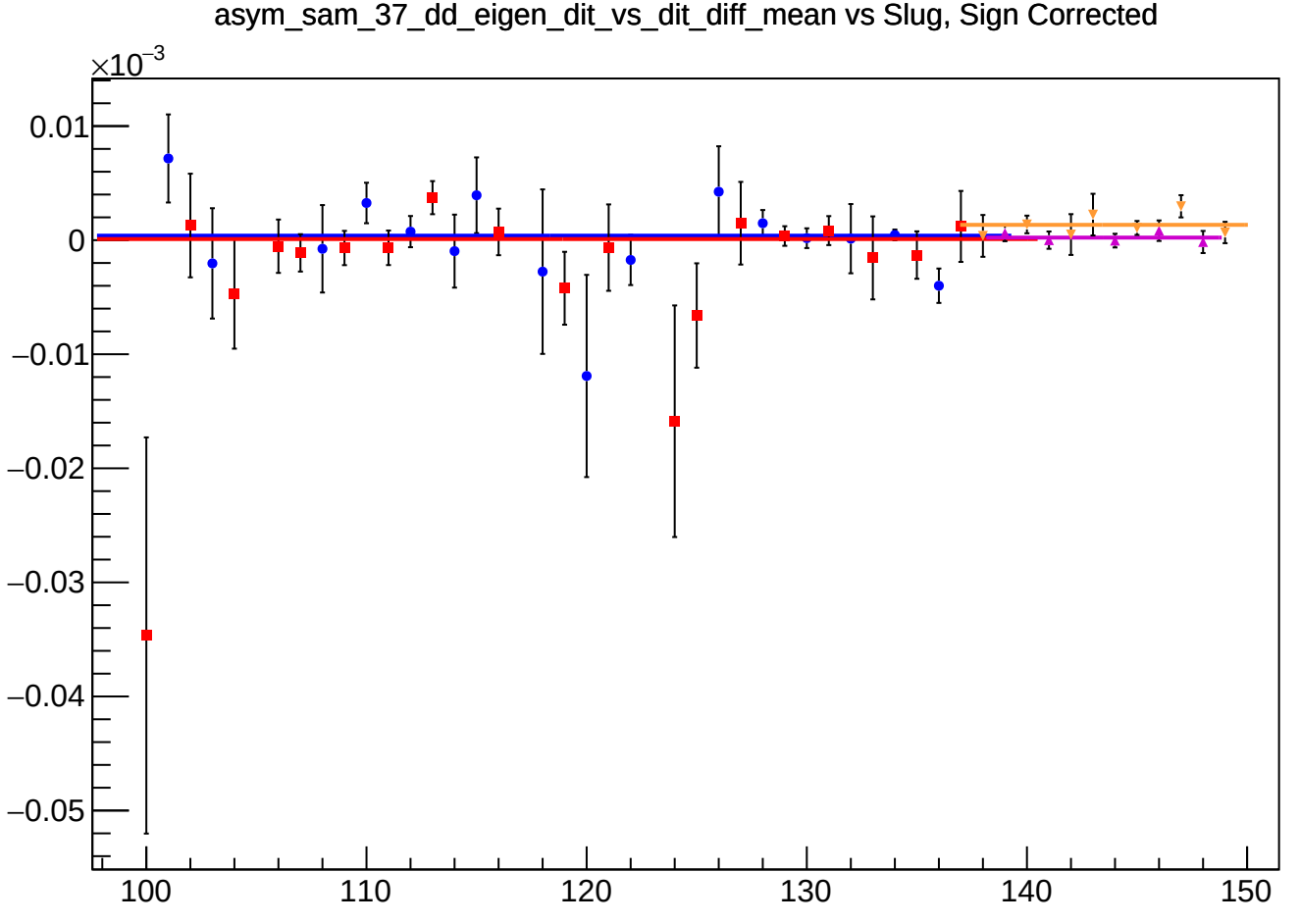
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 19.850+/-0.007 χ²/NDF:1018503.9/6
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 16.048+/-0.006 χ²/NDF:610888.5/4
Left: 17.761+/-0.005 χ²/NDF: 1790295.4/11
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 19.974+/-0.005 χ²/NDF:2952938.7/20
Out: 21.369+/-0.005 χ²/NDF:4478283.9/25
All: 20.649+/-0.004 χ²/NDF: 7469747.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

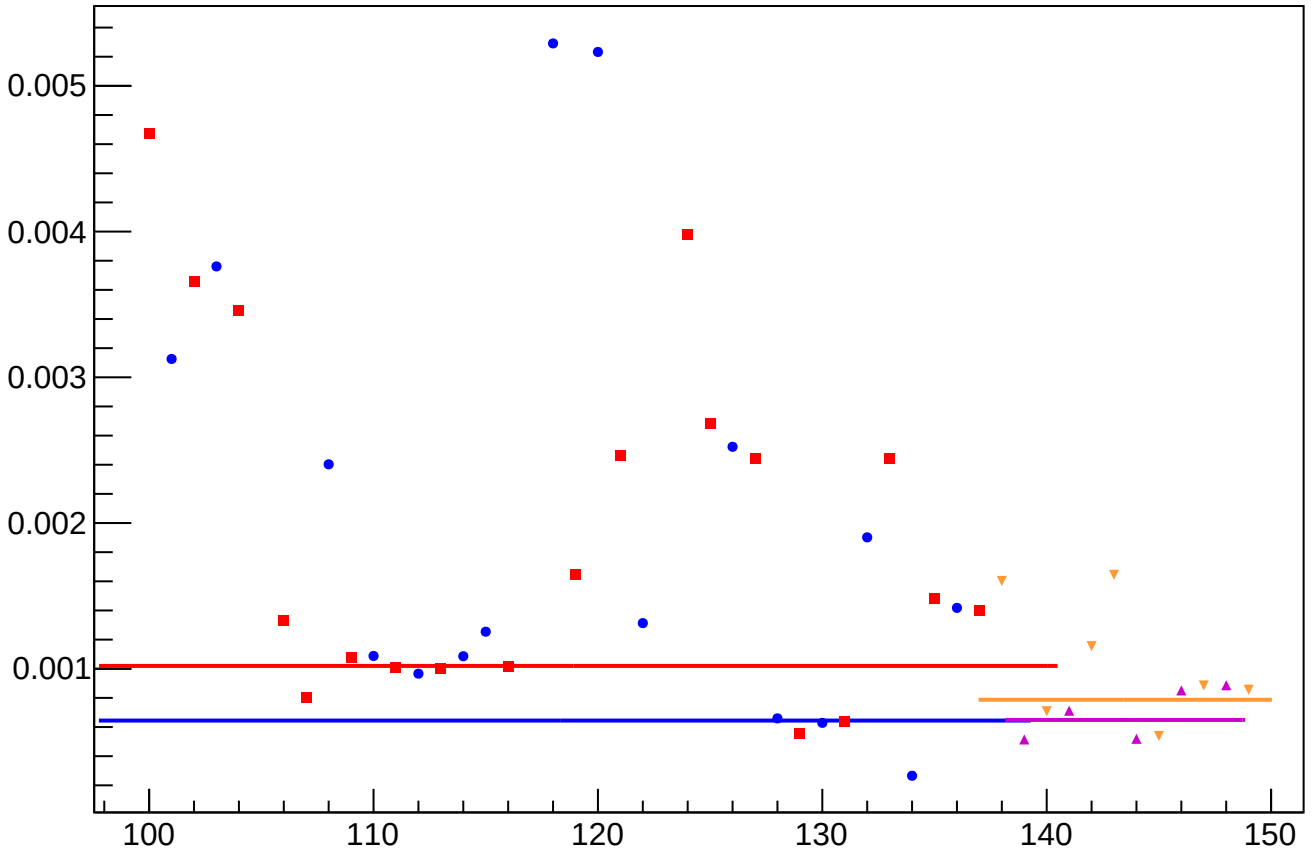
Left: 0.000+/-0.000 χ^2/NDF: 10.5/11

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:29.3/25

All: 0.000+/-0.000 χ^2/NDF: 53.6/46



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1301834.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:398043.1/4

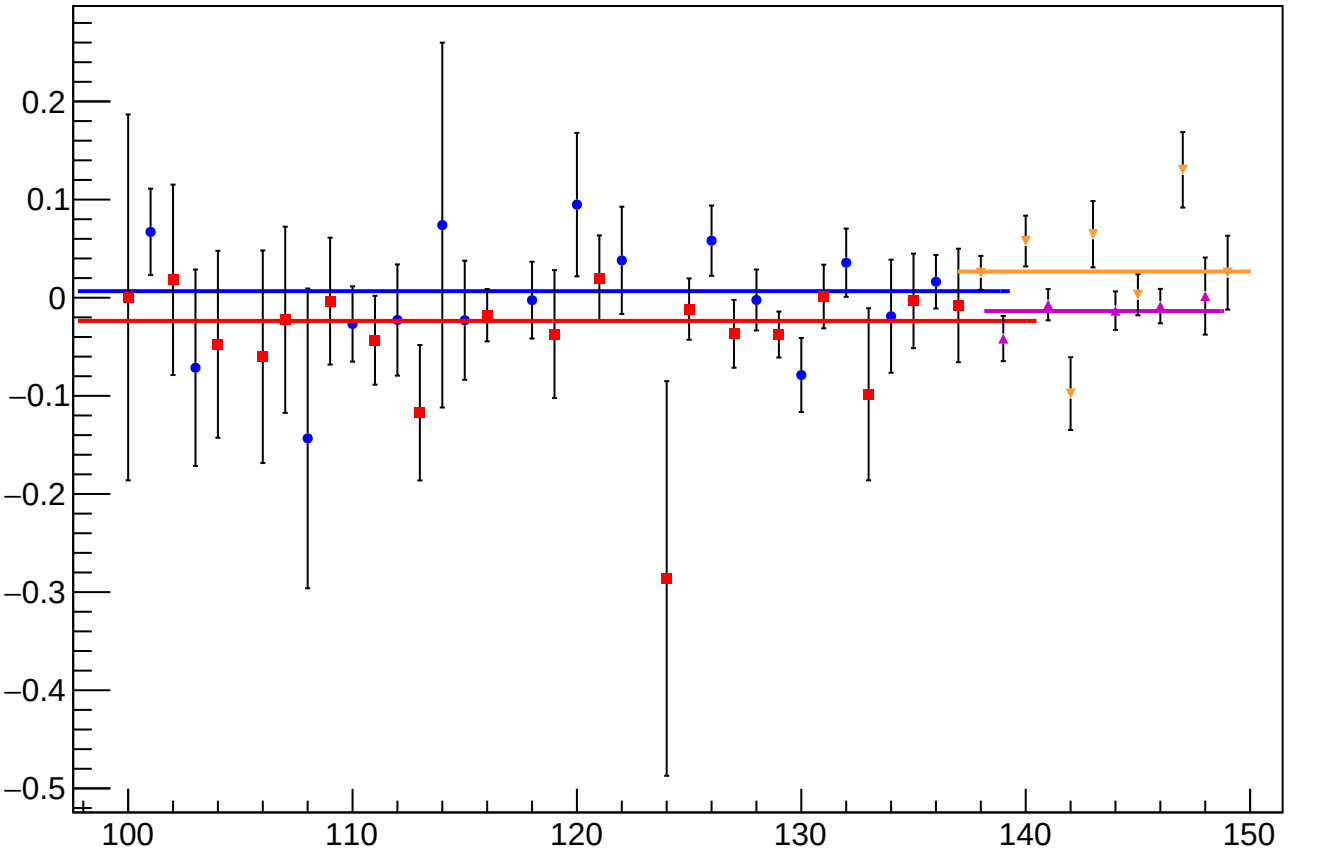
Left: 0.001+/-0.000 χ^2/NDF: 1854094.7/11

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:5284545.4/25

All: 0.001+/-0.000 χ^2/NDF: 13044489.2/46



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/6

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.9/4

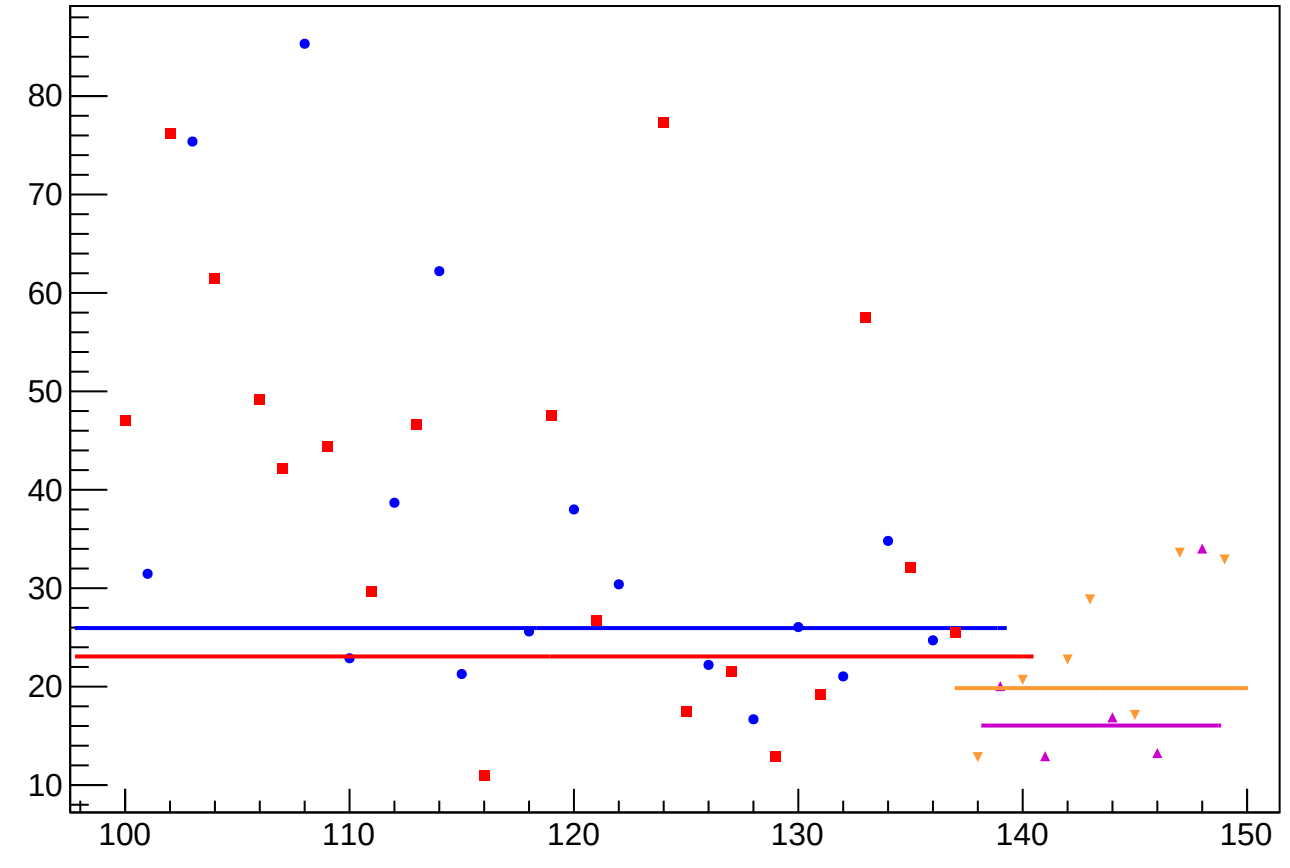
Left: 0.005+/-0.007 χ^2/NDF: 33.4/11

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.003+/-0.007 χ^2/NDF:42.1/25

All: -0.001+/-0.005 χ^2/NDF: 61.8/46



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 19.850+/-0.007 χ^2/NDF:1018502.5/6

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

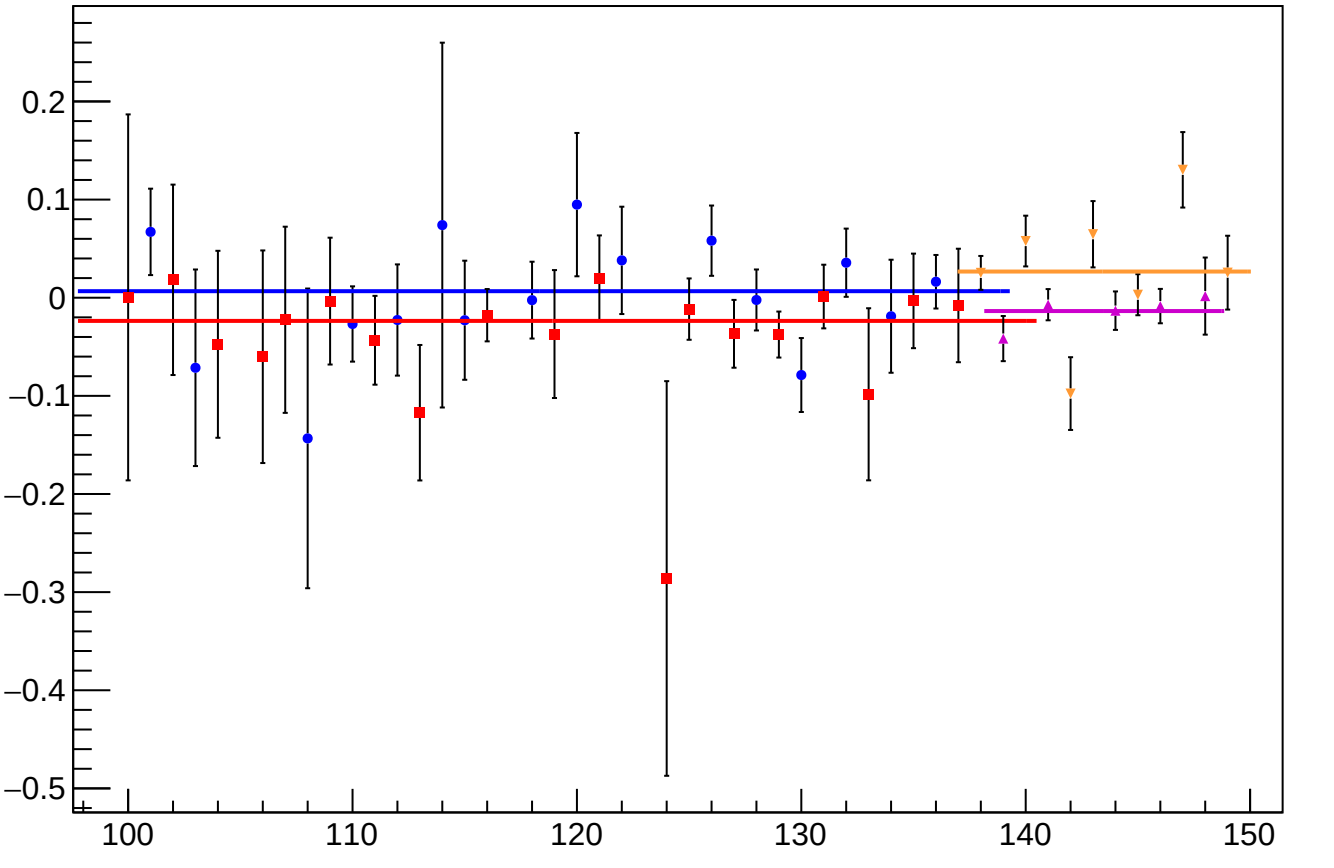
Left: 17.761+/-0.005 χ^2/NDF: 1790303.0/11

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.974+/-0.005 χ^2/NDF:2952921.2/20

Out: 21.369+/-0.005 χ^2/NDF:4478115.9/25

All: 20.649+/-0.004 χ^2/NDF: 7469580.4/46



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/6

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: 0.005+/-0.007 χ^2/NDF: 33.4/11

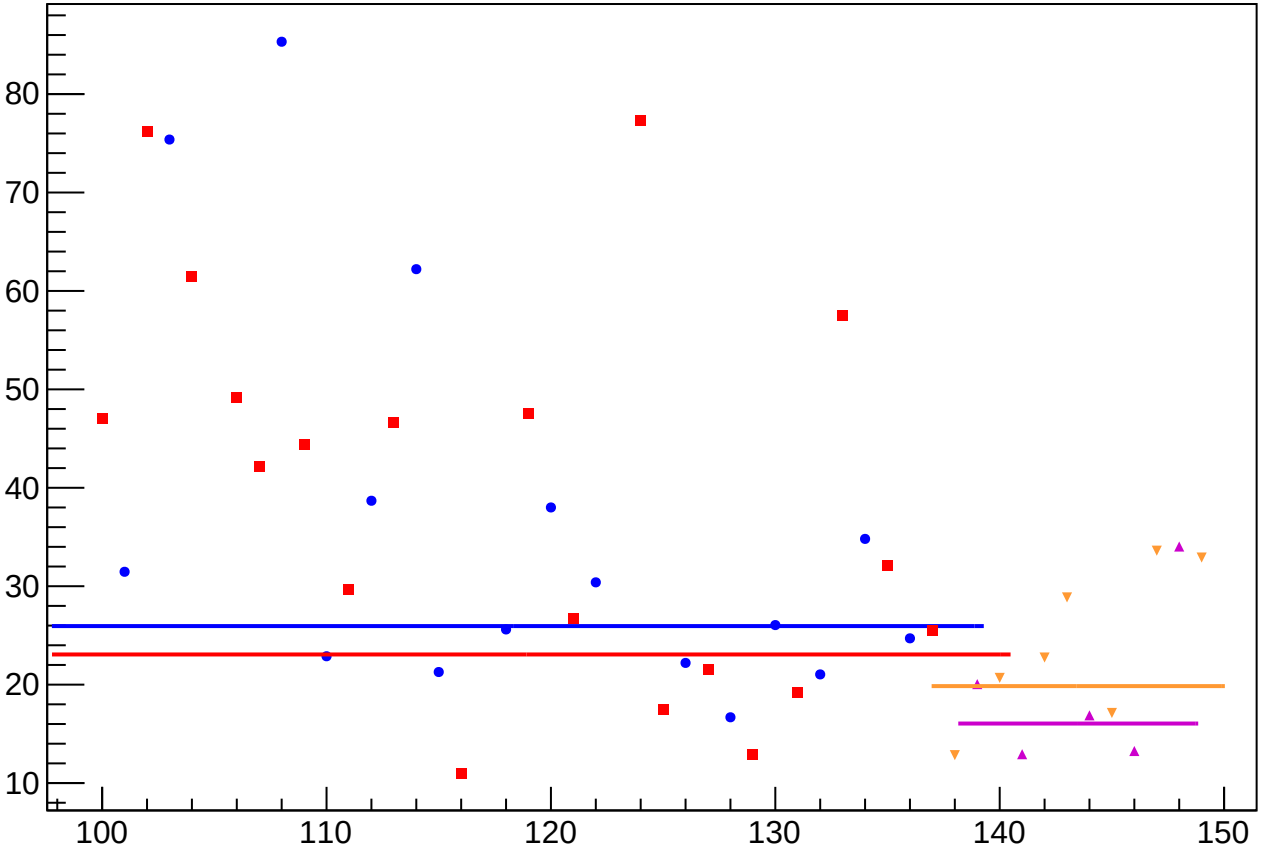
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/20

Out: 0.003+/-0.007 χ^2/NDF:42.1/25

All: -0.001+/-0.005 χ^2/NDF: 61.8/46

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: 19.850+/-0.007 χ^2/NDF:1018502.5/6

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.048+/-0.006 χ^2/NDF:610868.3/4

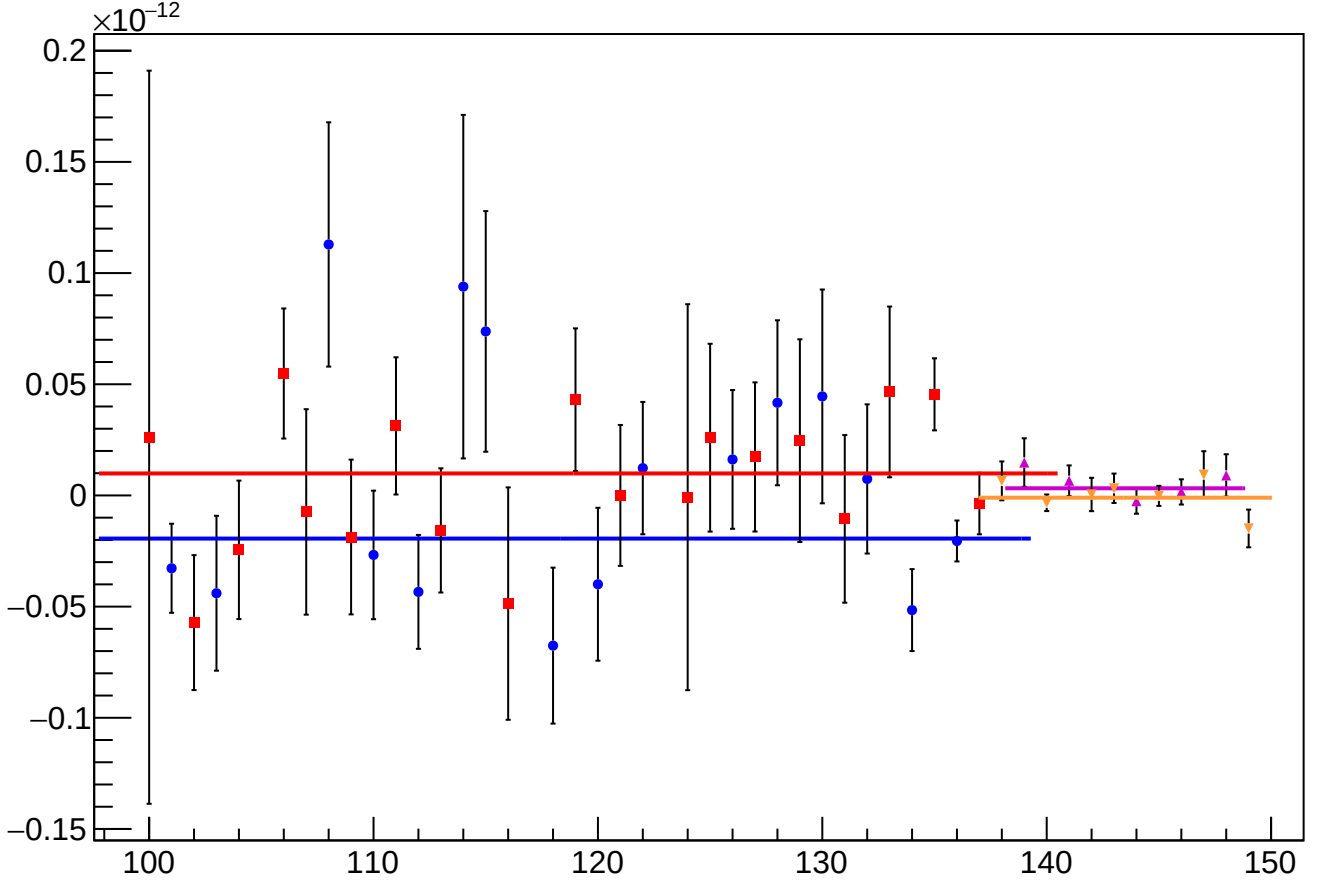
Left: 17.761+/-0.005 χ^2/NDF: 1790303.0/11

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.974+/-0.005 χ^2/NDF:2952921.2/20

Out: 21.369+/-0.005 χ^2/NDF:4478115.9/25

All: 20.649+/-0.004 χ^2/NDF: 7469580.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/4

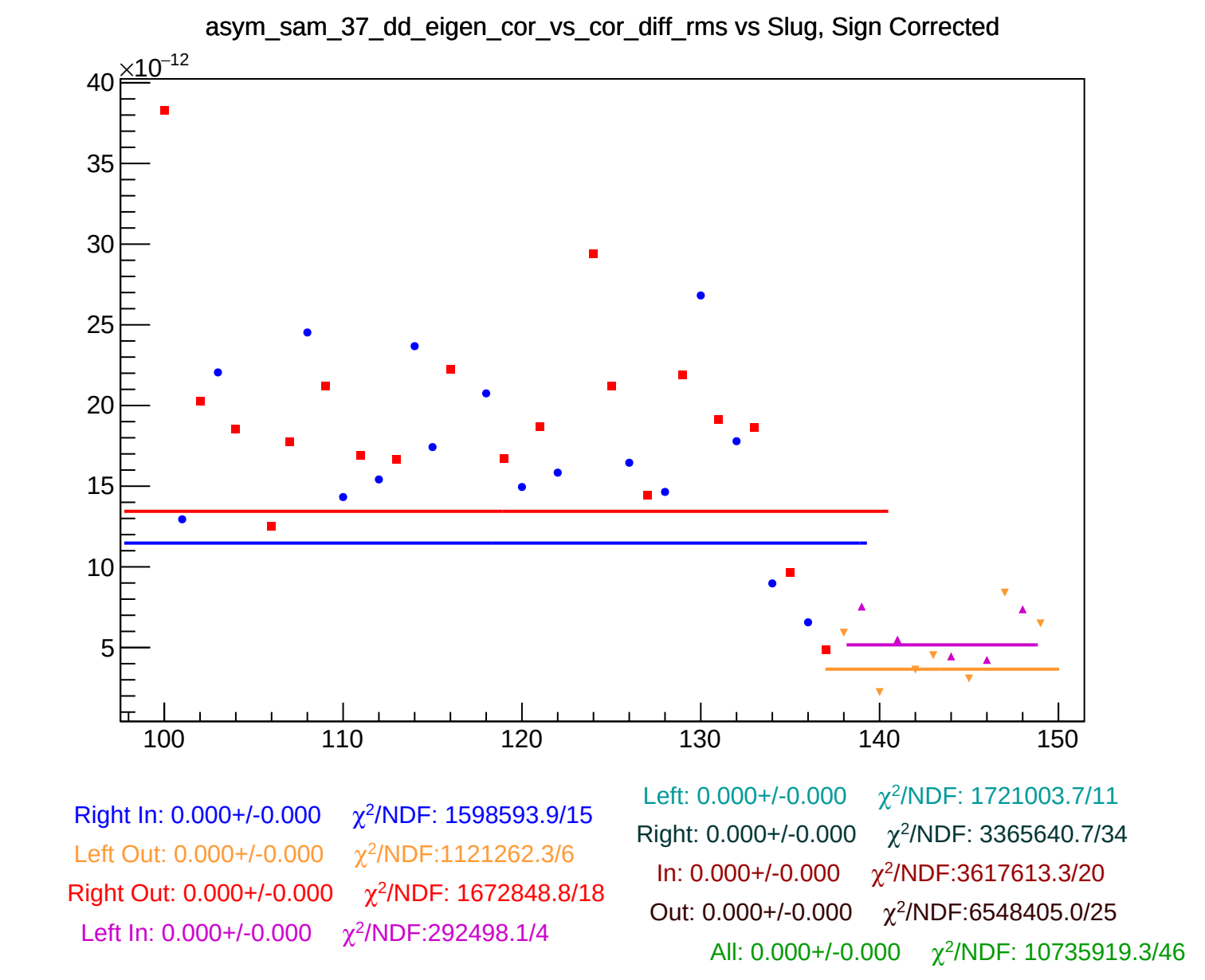
Left: 0.000+/-0.000 χ^2/NDF: 9.3/11

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:27.9/25

All: -0.000+/-0.000 χ^2/NDF: 67.7/46


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
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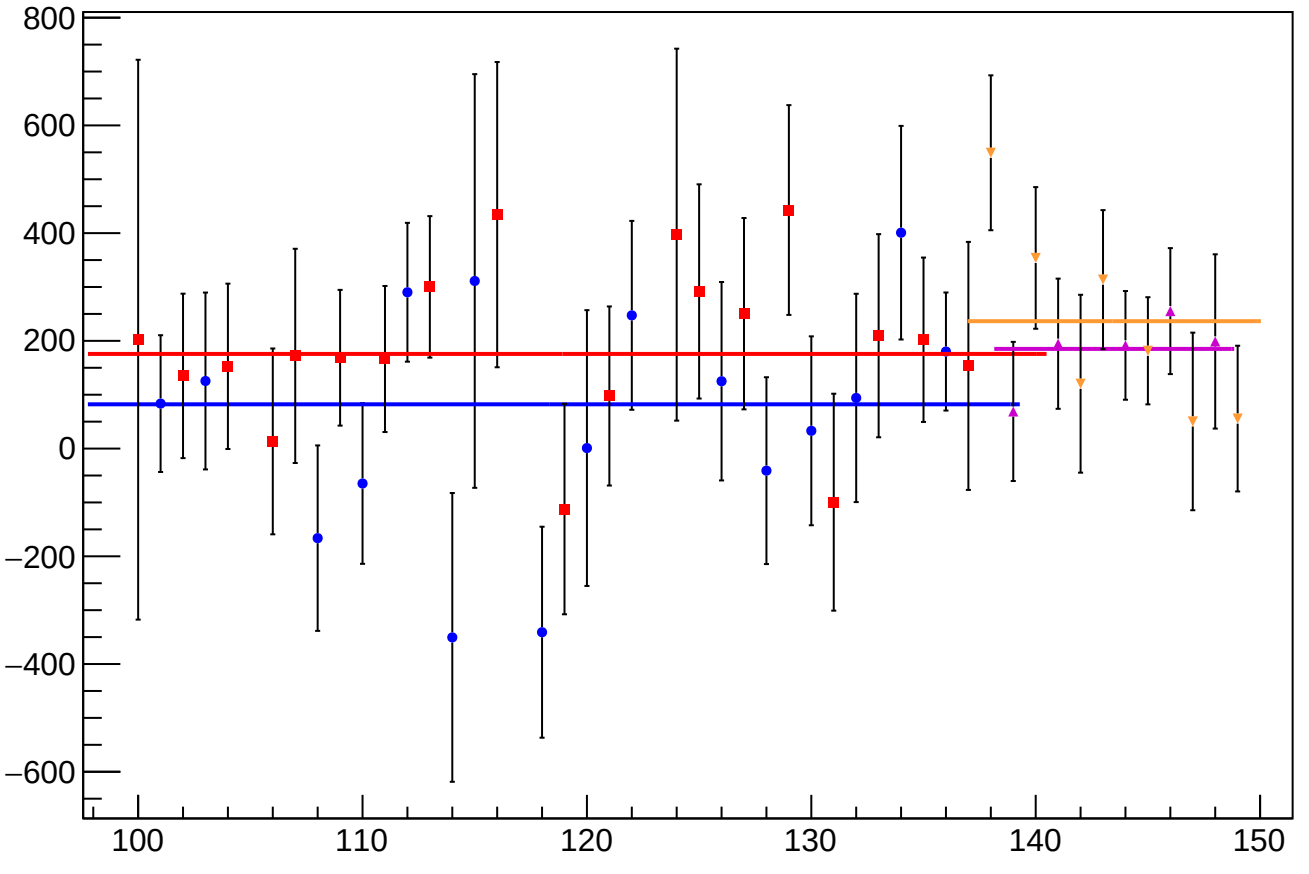
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1121262.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:292498.1/4
Left: 0.000+/-0.000 χ²/NDF: 1721003.7/11
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:3617613.3/20
Out: 0.000+/-0.000 χ²/NDF:6548405.0/25
All: 0.000+/-0.000 χ²/NDF: 10735919.3/46



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 236.524+/-50.287 χ^2/NDF:9.7/6

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 185.062+/-54.400 χ^2/NDF:1.2/4

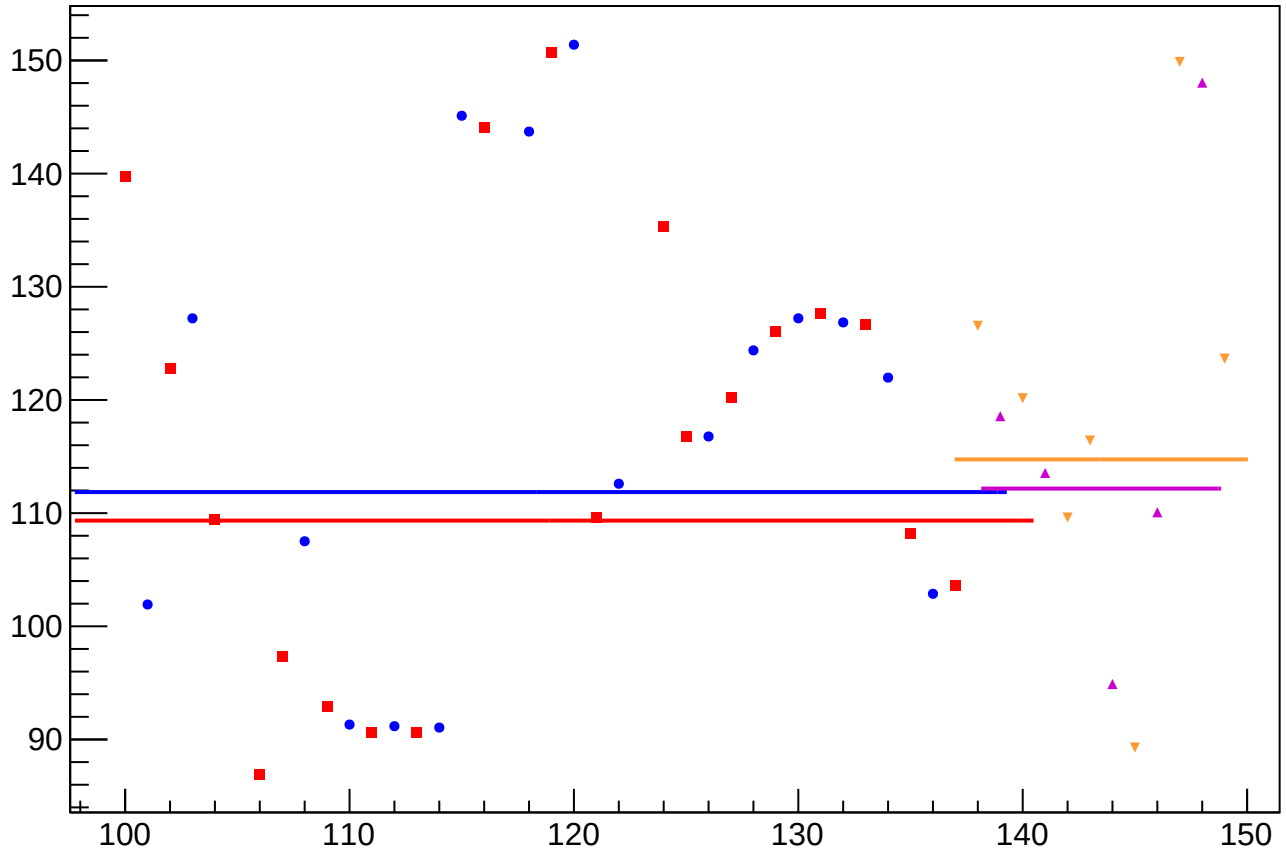
Left: 212.812+/-36.927 χ^2/NDF: 11.4/11

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 120.766+/-33.311 χ^2/NDF:21.8/20

Out: 199.773+/-31.624 χ^2/NDF:20.5/25

All: 162.321+/-22.934 χ^2/NDF: 45.2/46



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 114.749+/-0.036 χ^2/NDF:249646.5/6

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

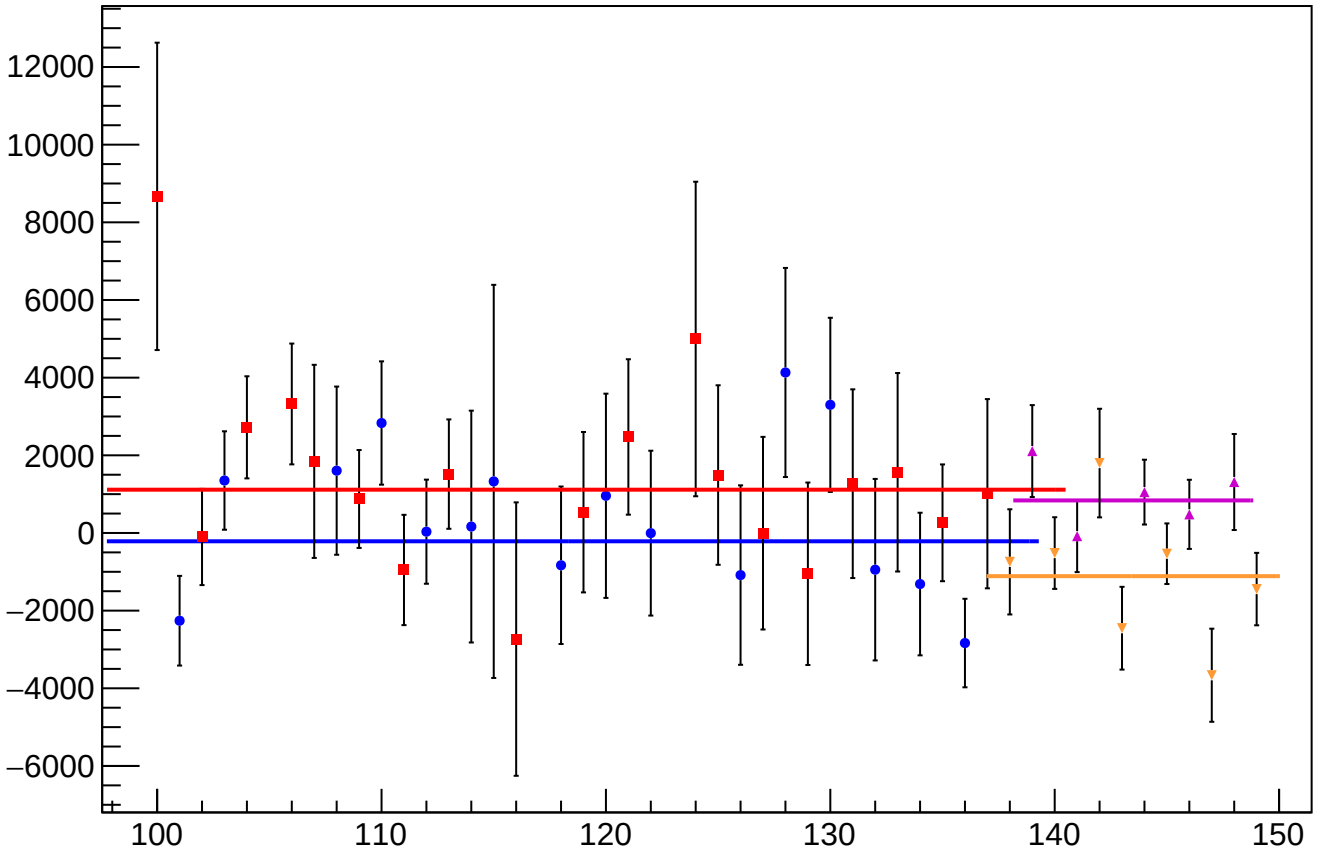
Left: 113.561+/-0.026 χ^2/NDF: 414790.6/11

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 111.978+/-0.024 χ^2/NDF:468784.9/20

Out: 111.479+/-0.022 χ^2/NDF:630855.3/25

All: 111.716+/-0.016 χ^2/NDF: 1099875.6/46



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1112.312+/-389.318 χ^2/NDF:11.6/6

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 838.193+/-437.236 χ^2/NDF:2.5/4

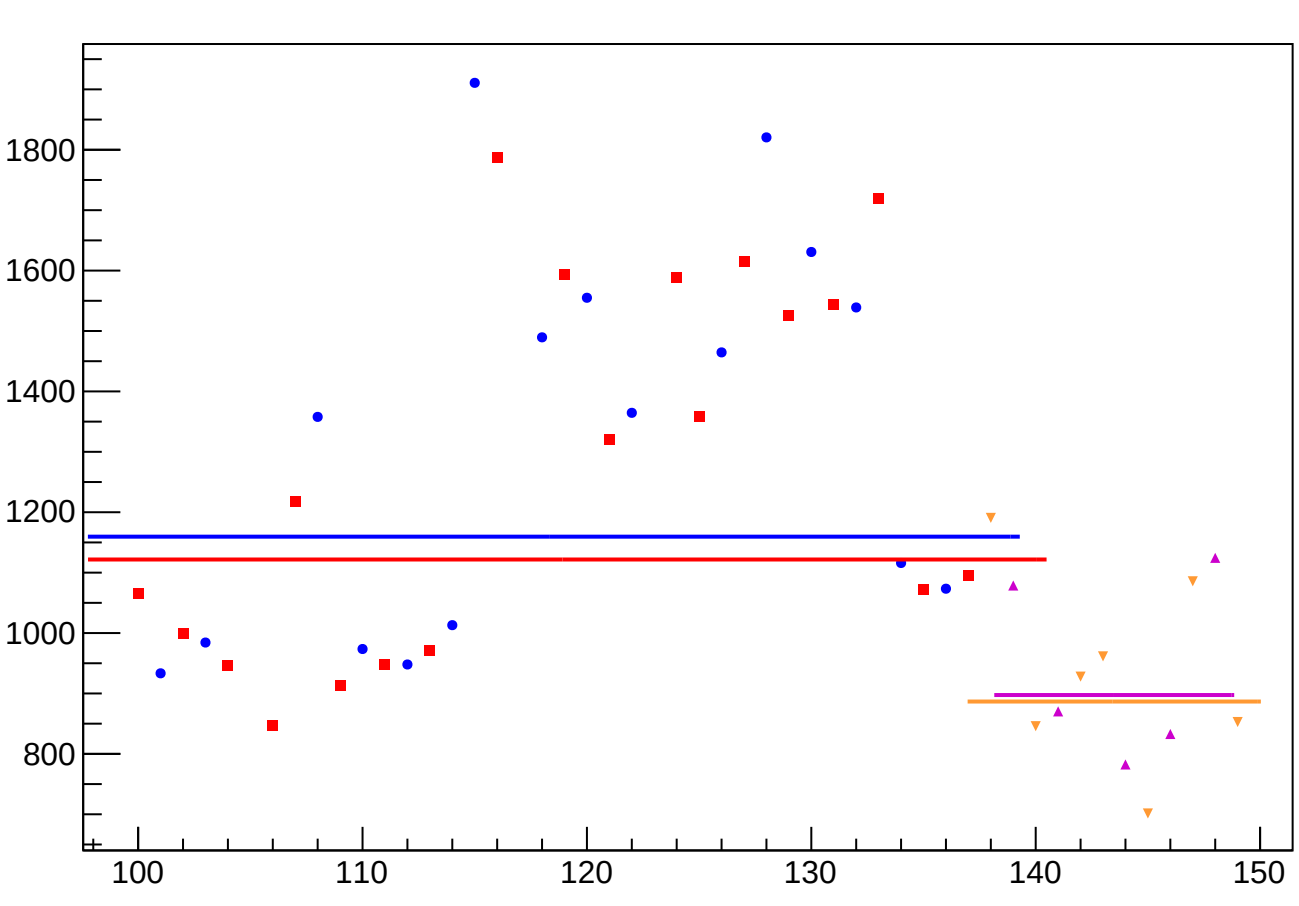
Left: -249.757+/-290.761 χ^2/NDF: 25.2/11

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 320.035+/-311.523 χ^2/NDF:25.8/20

Out: -91.090+/-286.470 χ^2/NDF:41.1/25

All: 97.279+/-210.866 χ^2/NDF: 67.9/46



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 886.640+/-0.275 χ^2/NDF:286764.2/6

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 897.405+/-0.309 χ^2/NDF:164518.9/4

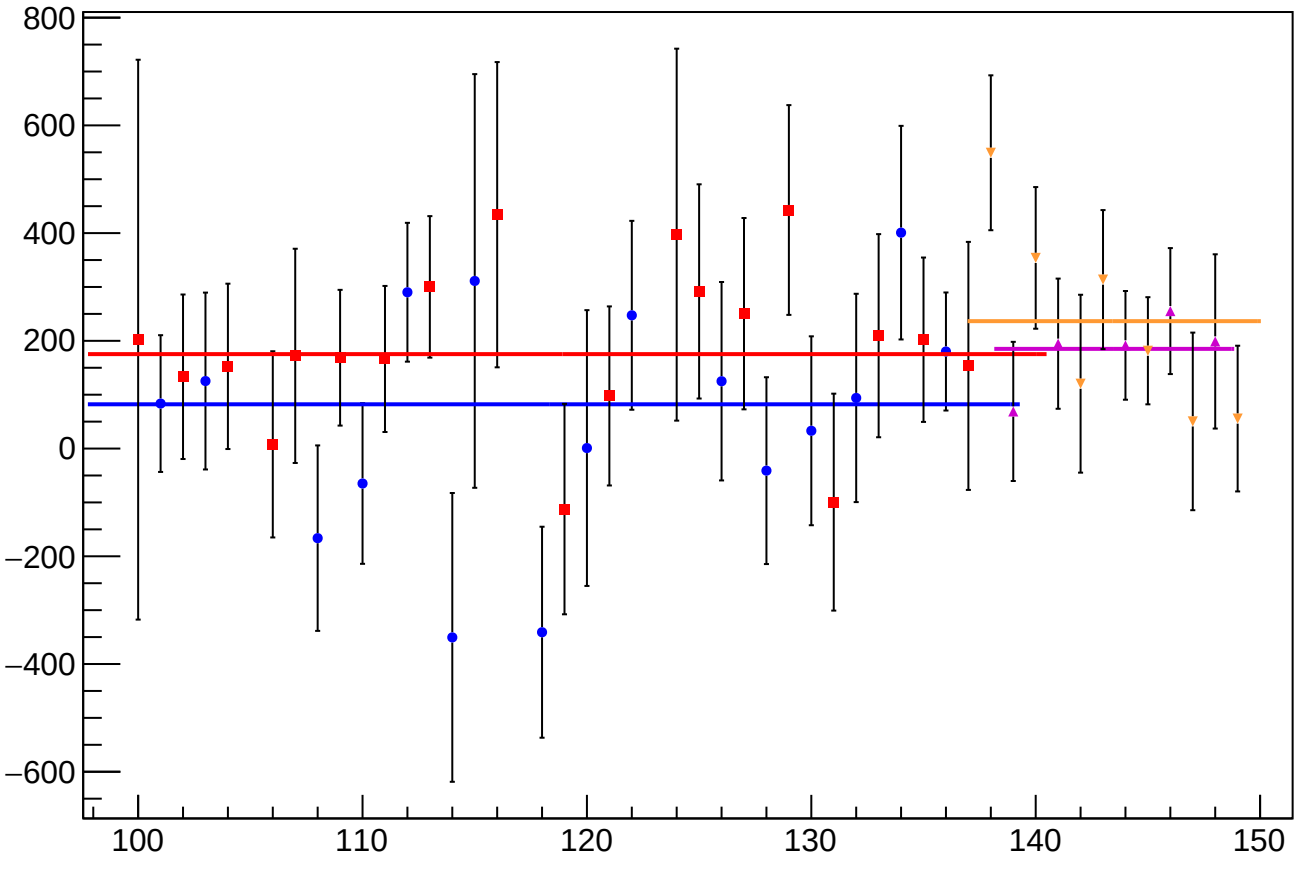
Left: 891.401+/-0.206 χ^2/NDF: 451959.3/11

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1026.485+/-0.220 χ^2/NDF:1202231.6/20

Out: 994.453+/-0.203 χ^2/NDF:1403513.7/25

All: 1009.130+/-0.149 χ^2/NDF: 2617201.9/46



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 236.536+/-50.287 χ^2/NDF:9.7/6

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: 212.822+/-36.927 χ^2/NDF: 11.4/11

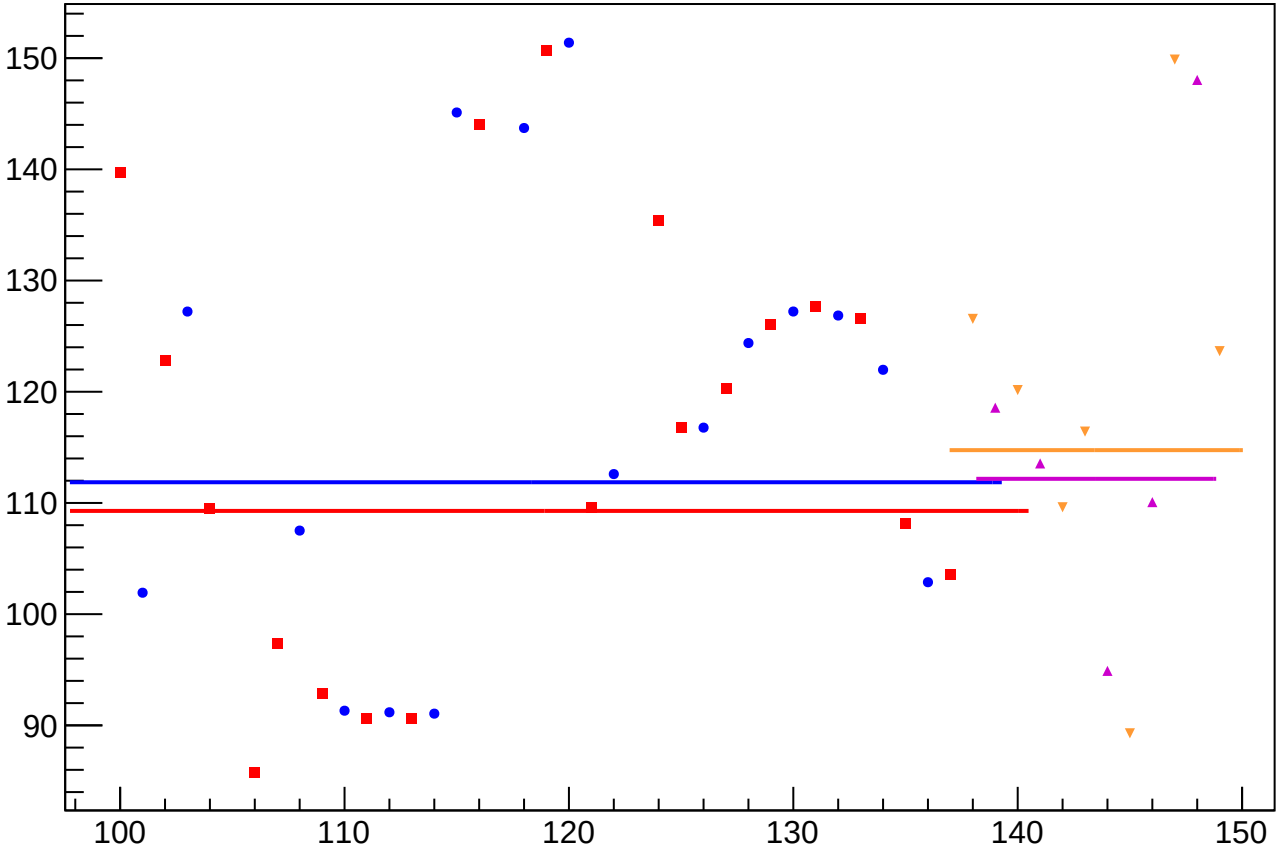
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 120.762+/-33.311 χ^2/NDF:21.8/20

Out: 199.544+/-31.626 χ^2/NDF:20.6/25

All: 162.195+/-22.935 χ^2/NDF: 45.3/46

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 114.749+/-0.036 χ^2/NDF:249646.5/6

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

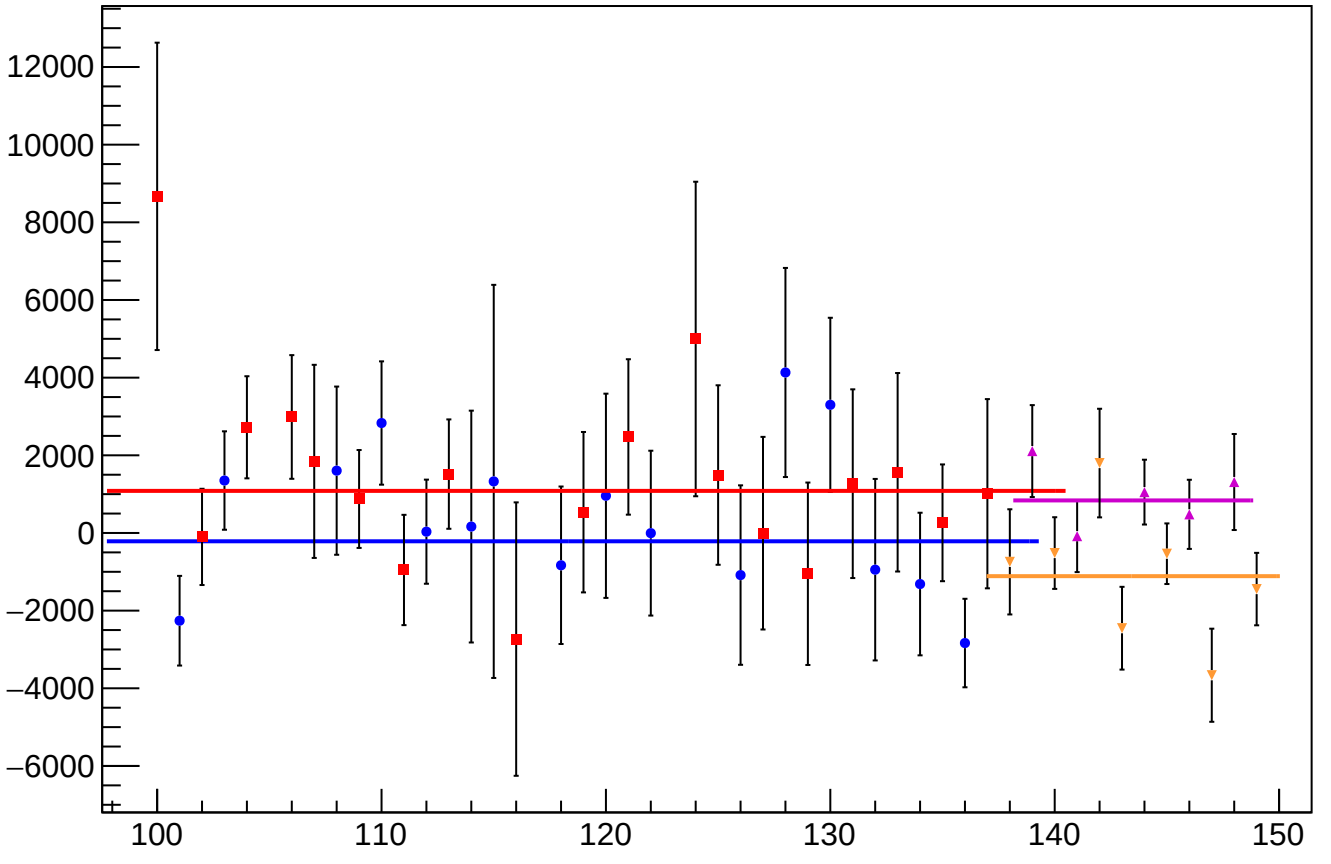
Left: 113.561+/-0.026 χ^2/NDF: 414790.6/11

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 111.978+/-0.024 χ^2/NDF:468786.0/20

Out: 111.446+/-0.022 χ^2/NDF:634637.3/25

All: 111.698+/-0.016 χ^2/NDF: 1103691.5/46



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1112.301+/-389.318 χ^2/NDF:11.6/6

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 838.201+/-437.236 χ^2/NDF:2.5/4

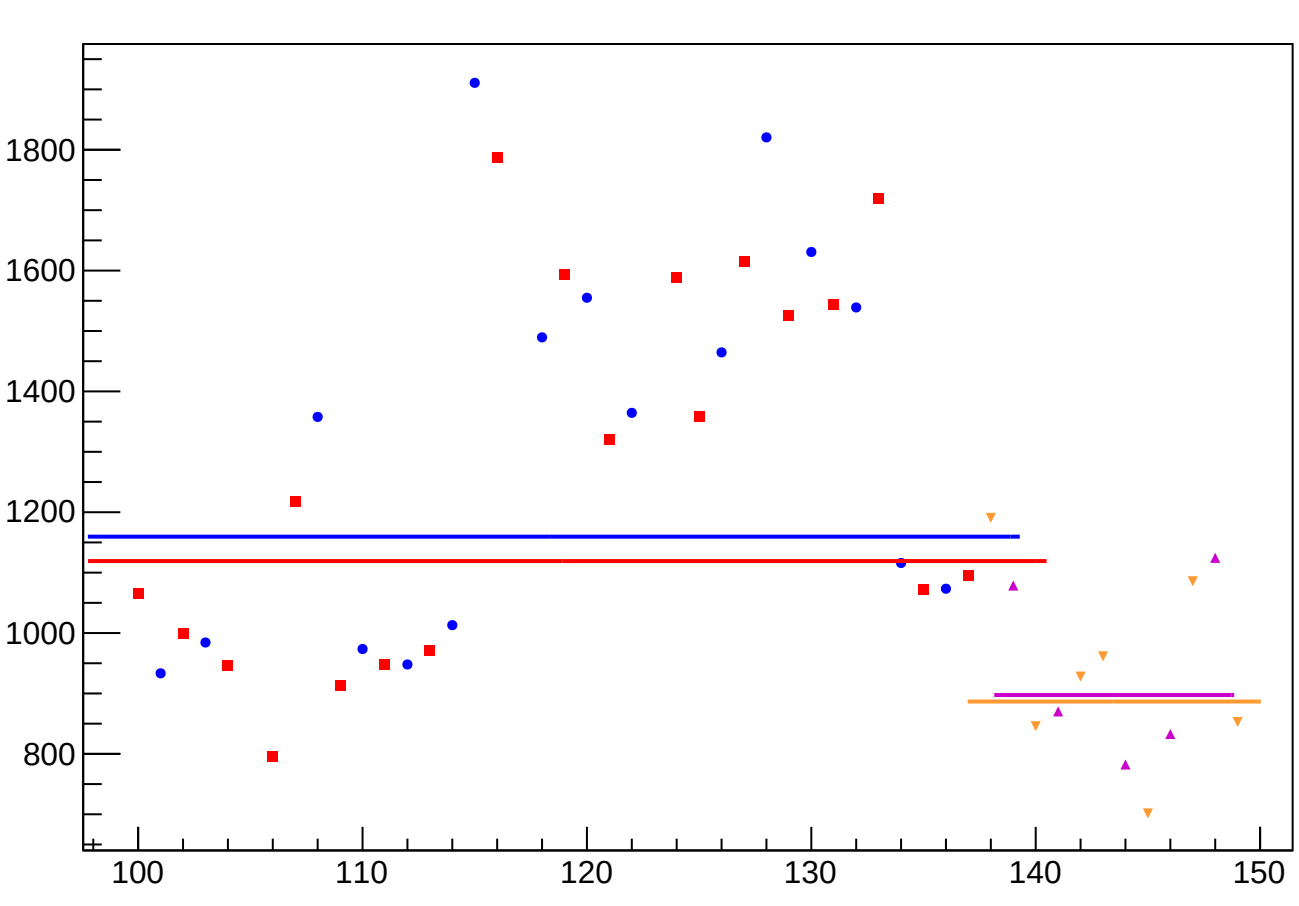
Left: -249.748+/-290.761 χ^2/NDF: 25.2/11

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 319.998+/-311.524 χ^2/NDF:25.8/20

Out: -107.082+/-286.698 χ^2/NDF:40.1/25

All: 88.764+/-210.958 χ^2/NDF: 66.9/46



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 886.640+/-0.275 χ^2/NDF:286765.8/6

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 897.406+/-0.309 χ^2/NDF:164516.9/4

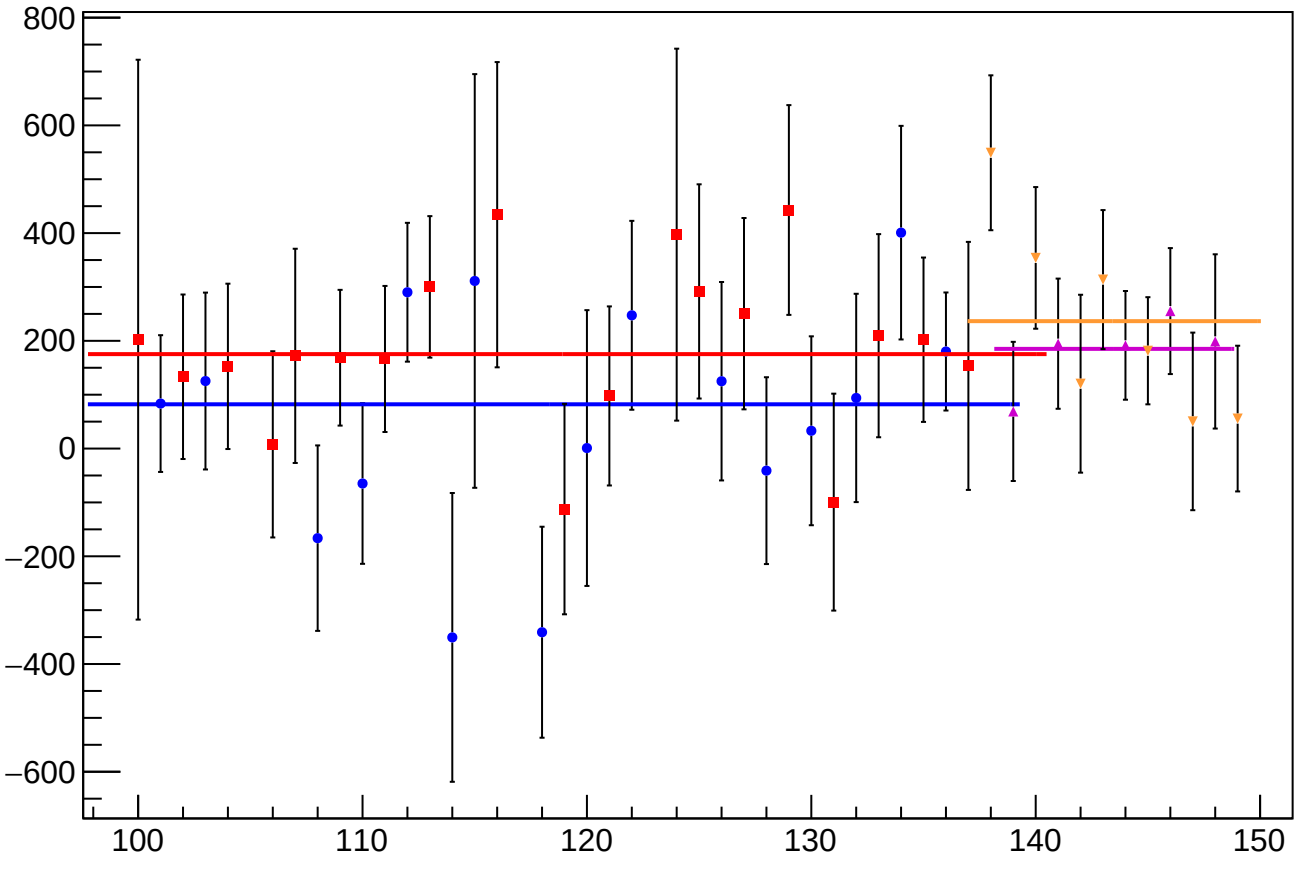
Left: 891.401+/-0.206 χ^2/NDF: 451959.0/11

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1026.489+/-0.220 χ^2/NDF:1202220.1/20

Out: 993.062+/-0.203 χ^2/NDF:1416436.5/25

All: 1008.391+/-0.149 χ^2/NDF: 2631124.0/46


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
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−200
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−600
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140
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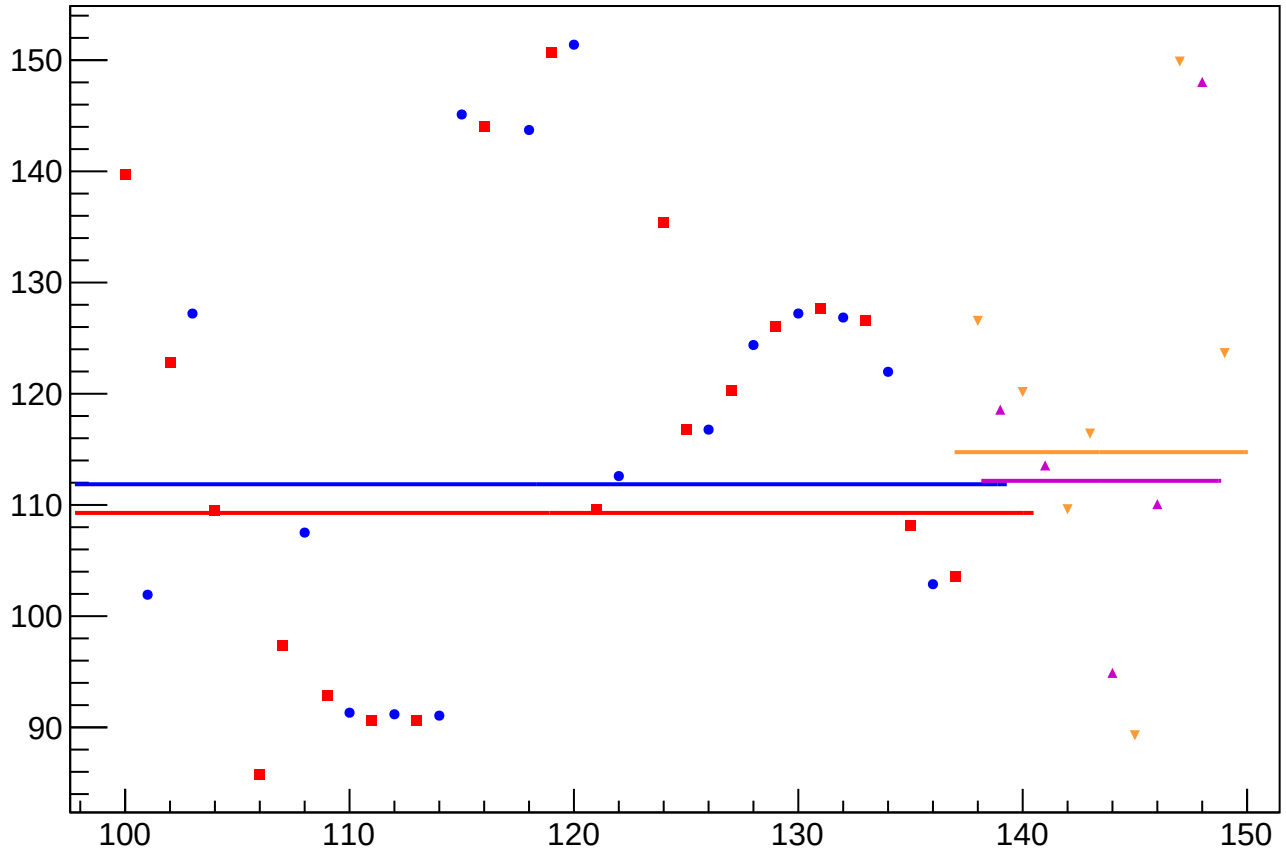
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 236.536+/-50.287 χ²/NDF:9.7/6
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 185.072+/-54.400 χ²/NDF:1.2/4
Left: 212.822+/-36.927 χ²/NDF: 11.4/11
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 120.762+/-33.311 χ²/NDF:21.8/20
Out: 199.544+/-31.626 χ²/NDF:20.6/25
All: 162.195+/-22.935 χ²/NDF: 45.3/46



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 114.749+/-0.036 χ^2/NDF:249646.5/6

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 112.171+/-0.038 χ^2/NDF:162720.8/4

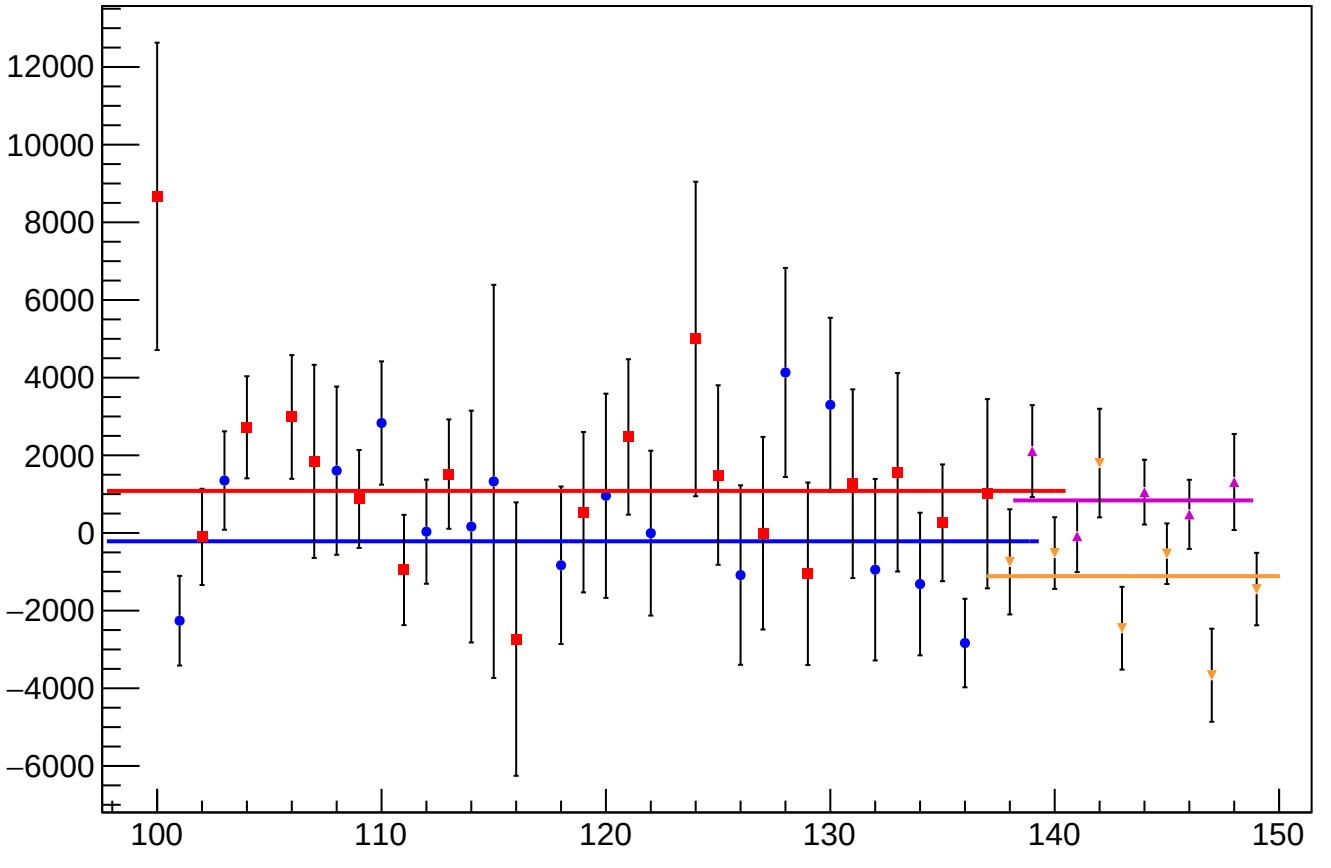
Left: 113.561+/-0.026 χ^2/NDF: 414790.6/11

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 111.978+/-0.024 χ^2/NDF:468786.0/20

Out: 111.446+/-0.022 χ^2/NDF:634637.3/25

All: 111.698+/-0.016 χ^2/NDF: 1103691.5/46



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1112.301+/-389.318 χ^2/NDF:11.6/6

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 838.201+/-437.236 χ^2/NDF:2.5/4

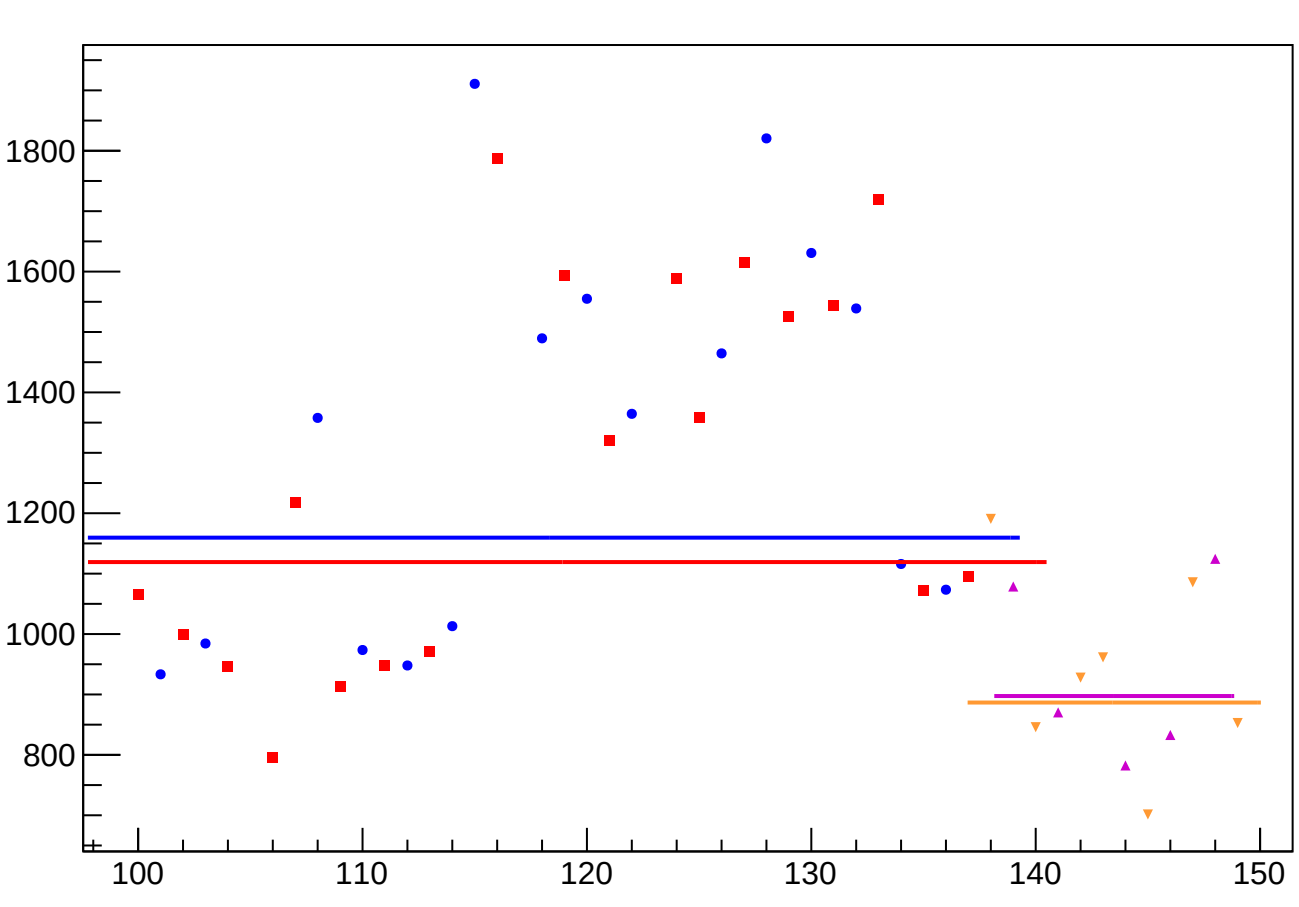
Left: -249.748+/-290.761 χ^2/NDF: 25.2/11

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 319.998+/-311.524 χ^2/NDF:25.8/20

Out: -107.082+/-286.698 χ^2/NDF:40.1/25

All: 88.764+/-210.958 χ^2/NDF: 66.9/46



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 886.640+/-0.275 χ^2/NDF:286765.8/6

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: 891.401+/-0.206 χ^2/NDF: 451959.0/11

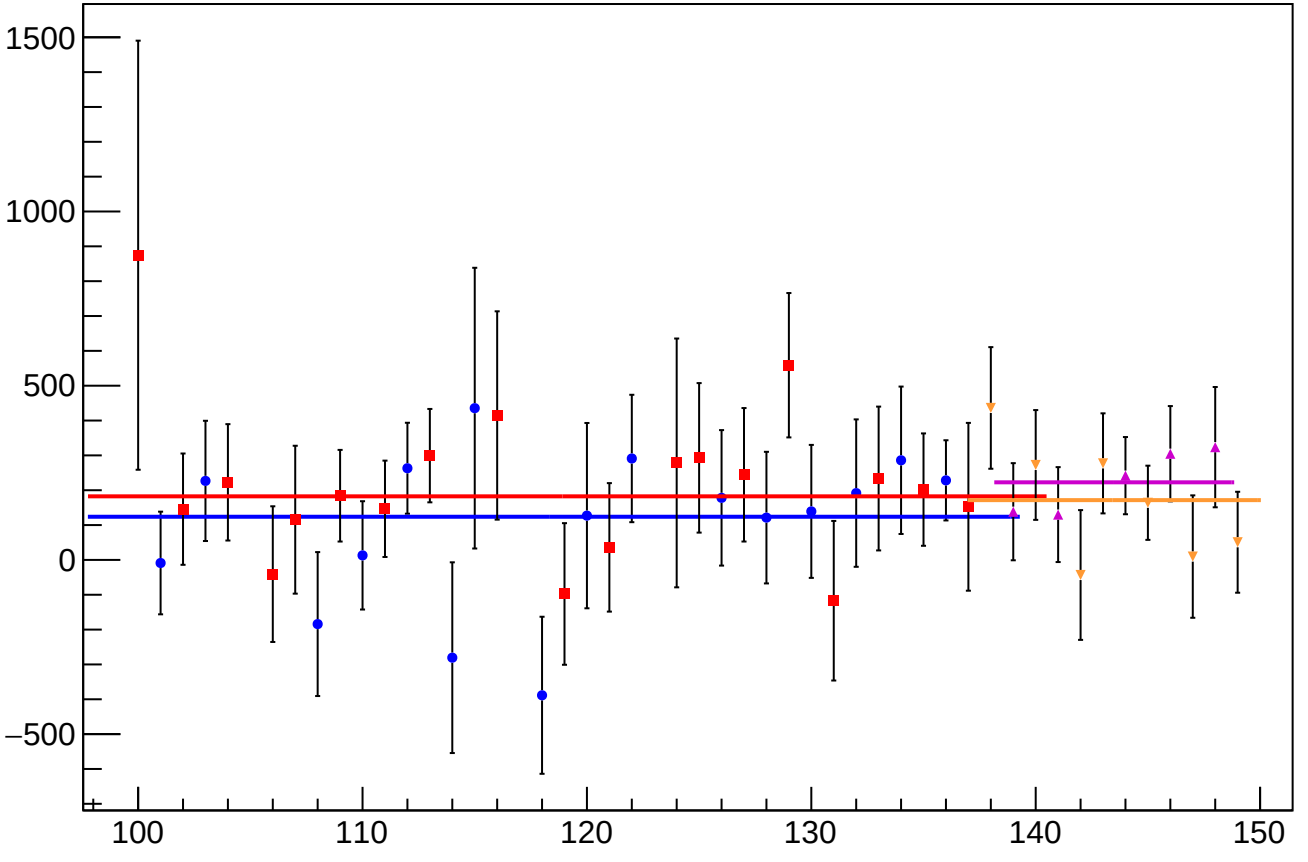
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1026.489+/-0.220 χ^2/NDF:1202220.1/20

Out: 993.062+/-0.203 χ^2/NDF:1416436.5/25

All: 1008.391+/-0.149 χ^2/NDF: 2631124.0/46

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 171.568+/-56.013 χ^2/NDF:6.1/6

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 222.688+/-60.432 χ^2/NDF:1.6/4

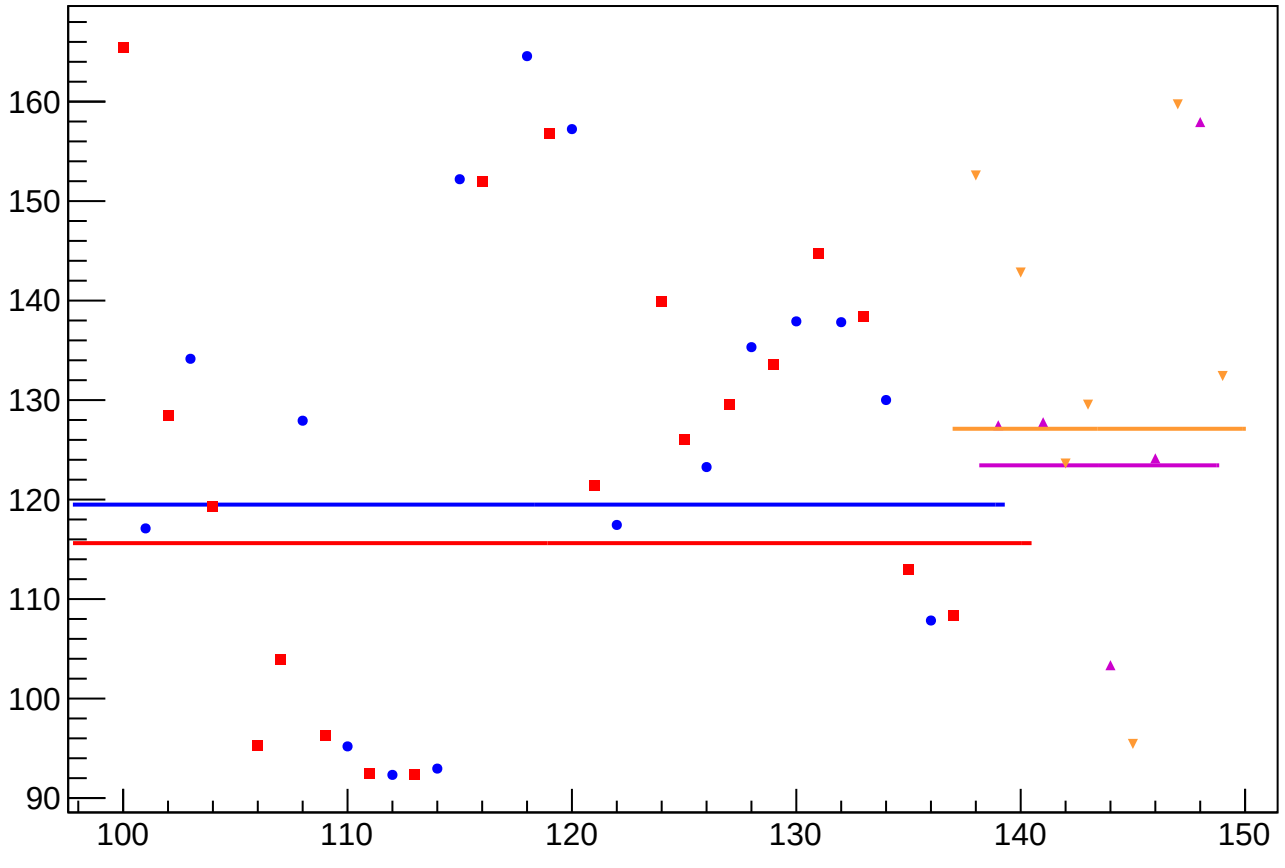
Left: 195.191+/-41.081 χ^2/NDF: 8.1/11

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 159.372+/-36.215 χ^2/NDF:18.7/20

Out: 178.399+/-34.220 χ^2/NDF:18.4/25

All: 169.424+/-24.873 χ^2/NDF: 37.3/46



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 127.117+/-0.040 χ^2/NDF:312311.2/6

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 123.442+/-0.043 χ^2/NDF:149371.1/4

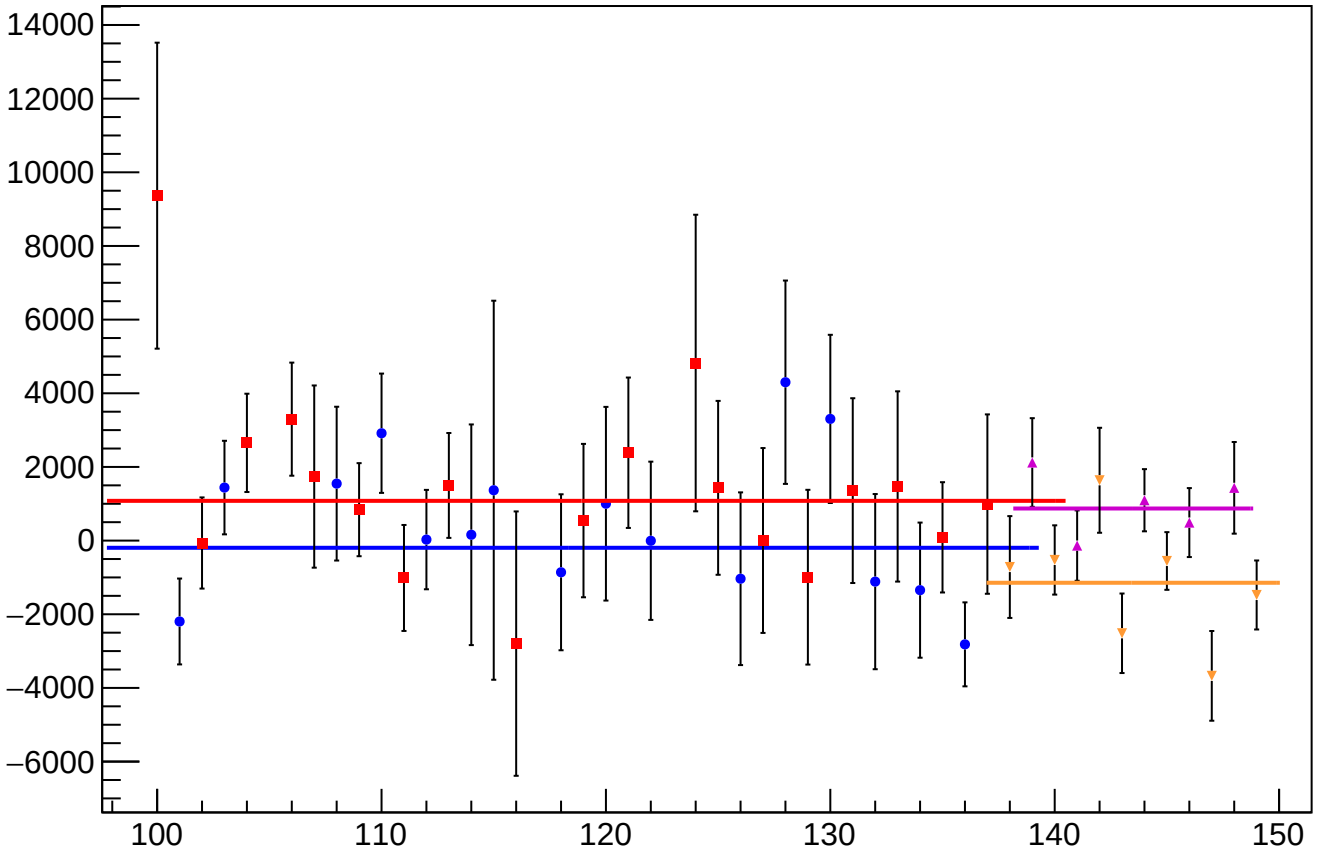
Left: 125.419+/-0.029 χ^2/NDF: 465660.1/11

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 120.912+/-0.026 χ^2/NDF:535090.7/20

Out: 119.912+/-0.024 χ^2/NDF:792066.2/25

All: 120.384+/-0.018 χ^2/NDF: 1327962.7/46



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1144.971+/-393.802 χ^2/NDF:11.0/6

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 871.406+/-448.245 χ^2/NDF:2.6/4

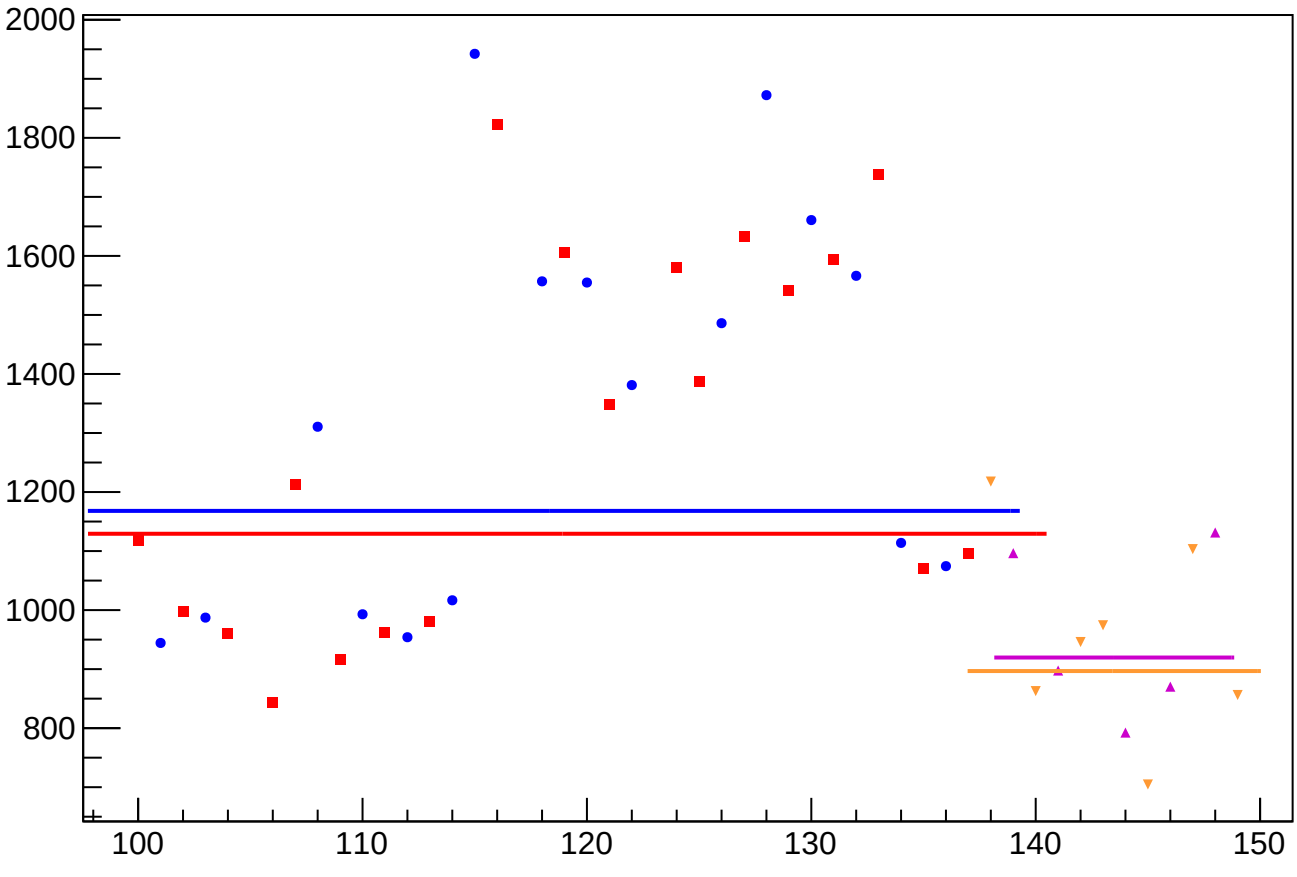
Left: -266.609+/-295.846 χ^2/NDF: 25.0/11

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 337.075+/-316.634 χ^2/NDF:25.9/20

Out: -119.888+/-289.158 χ^2/NDF:40.2/25

All: 87.910+/-213.520 χ^2/NDF: 67.2/46



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 896.749+/-0.278 χ^2/NDF:304786.0/6

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 919.651+/-0.317 χ^2/NDF:153092.4/4

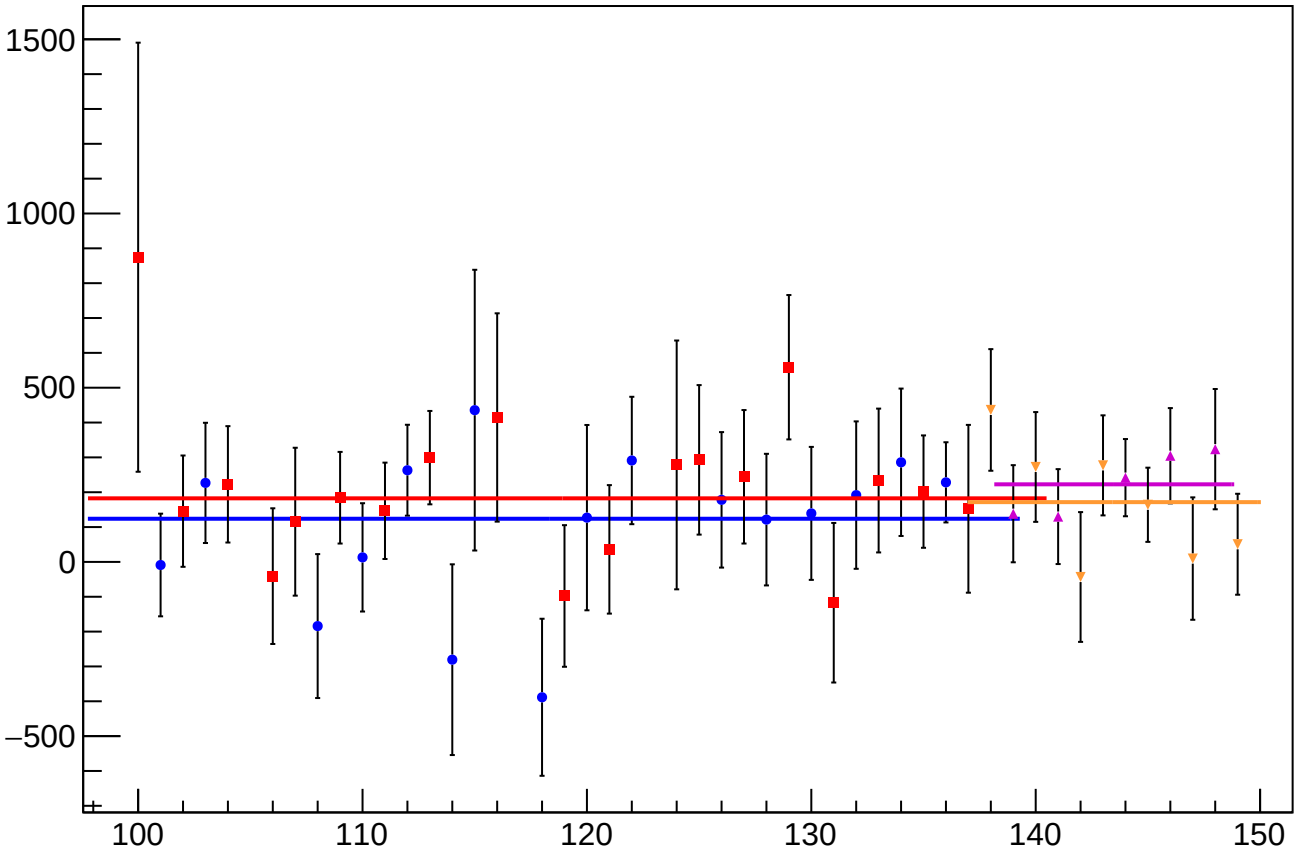
Left: 906.725+/-0.209 χ^2/NDF: 460825.0/11

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1044.110+/-0.224 χ^2/NDF:1170205.2/20

Out: 1003.926+/-0.204 χ^2/NDF:1433467.8/25

All: 1022.199+/-0.151 χ^2/NDF: 2621236.6/46



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 171.569+/-56.013 χ^2/NDF:6.1/6

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 222.689+/-60.432 χ^2/NDF:1.6/4

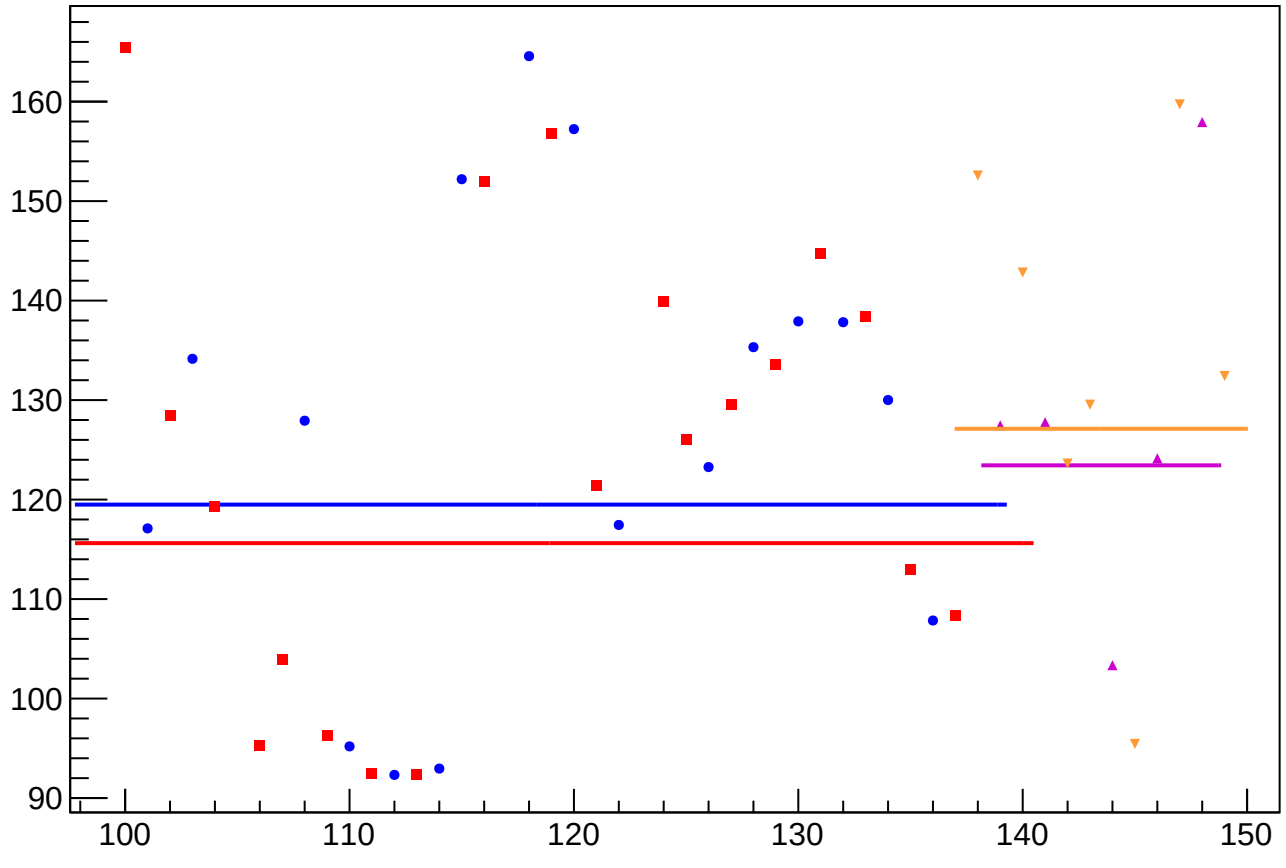
Left: 195.191+/-41.081 χ^2/NDF: 8.1/11

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 159.374+/-36.215 χ^2/NDF:18.7/20

Out: 178.400+/-34.220 χ^2/NDF:18.4/25

All: 169.425+/-24.873 χ^2/NDF: 37.3/46



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 127.117+/-0.040 χ^2/NDF:312309.1/6

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: 125.419+/-0.029 χ^2/NDF: 465656.1/11

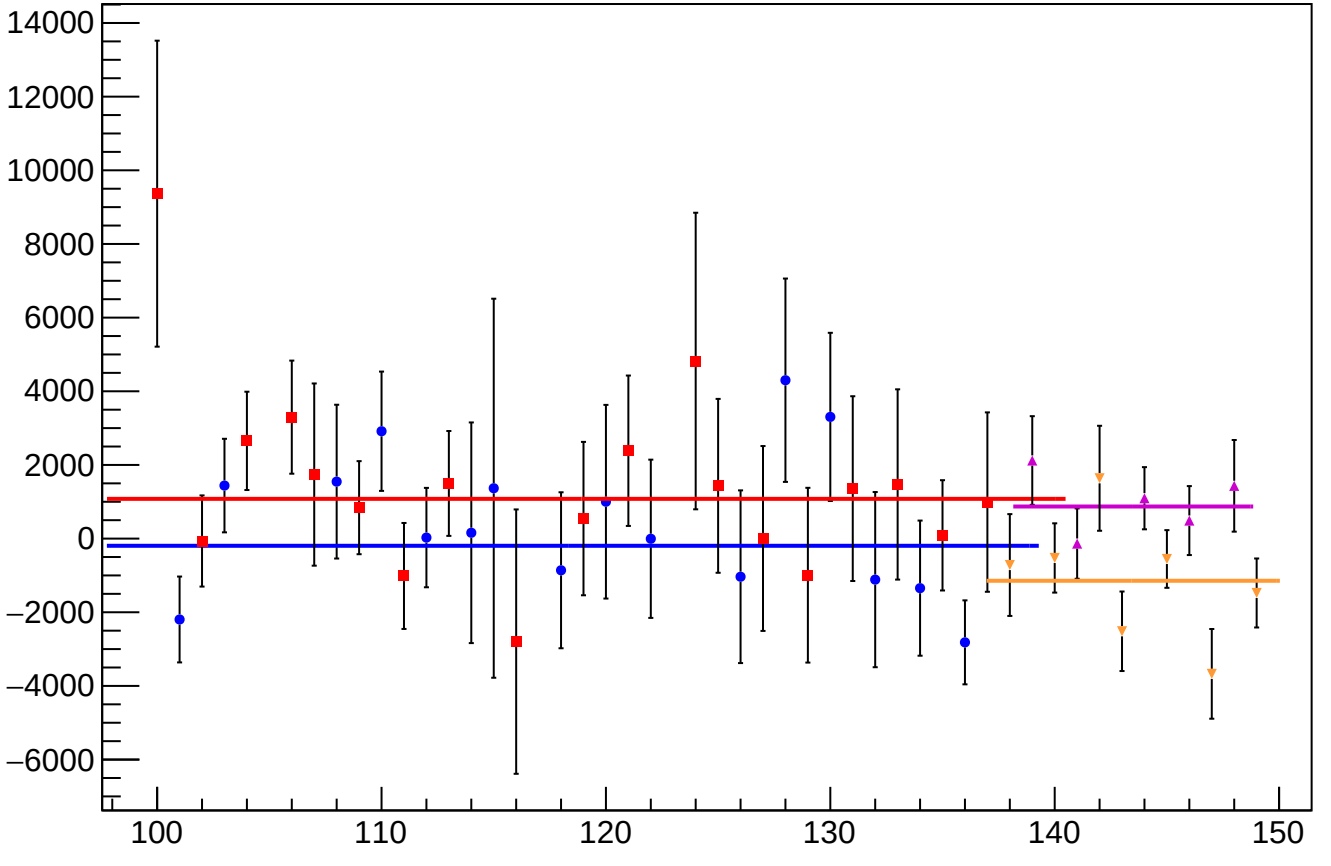
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 120.912+/-0.026 χ^2/NDF:535092.5/20

Out: 119.912+/-0.024 χ^2/NDF:792069.4/25

All: 120.384+/-0.018 χ^2/NDF: 1327967.8/46

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: -1144.970+/-393.802 χ^2/NDF:11.0/6

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 871.406+/-448.245 χ^2/NDF:2.6/4

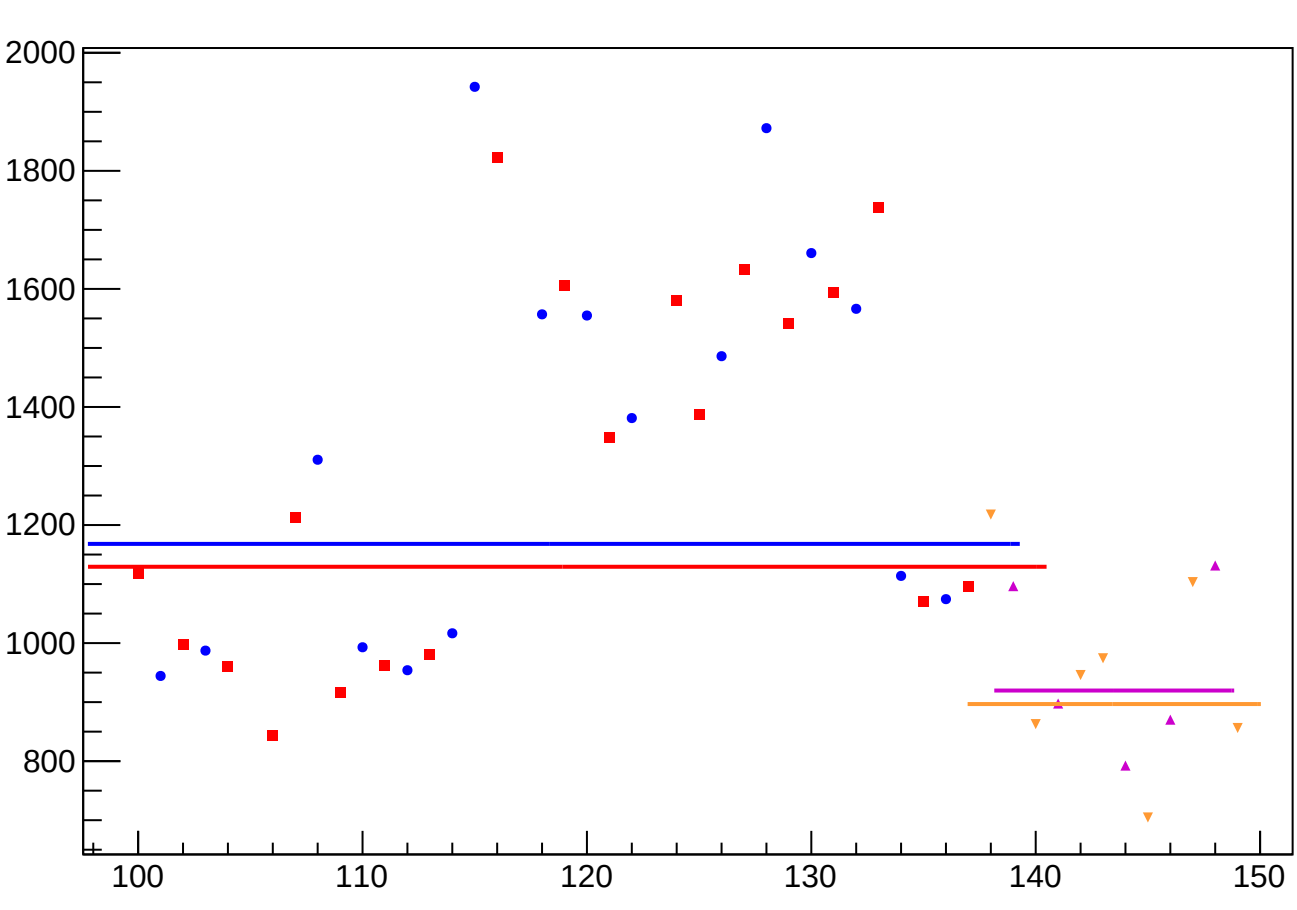
Left: -266.609+/-295.846 χ^2/NDF: 25.0/11

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 337.075+/-316.634 χ^2/NDF:25.9/20

Out: -119.888+/-289.158 χ^2/NDF:40.2/25

All: 87.910+/-213.520 χ^2/NDF: 67.2/46



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 896.748+/-0.278 χ^2/NDF:304788.8/6

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 919.651+/-0.317 χ^2/NDF:153092.9/4

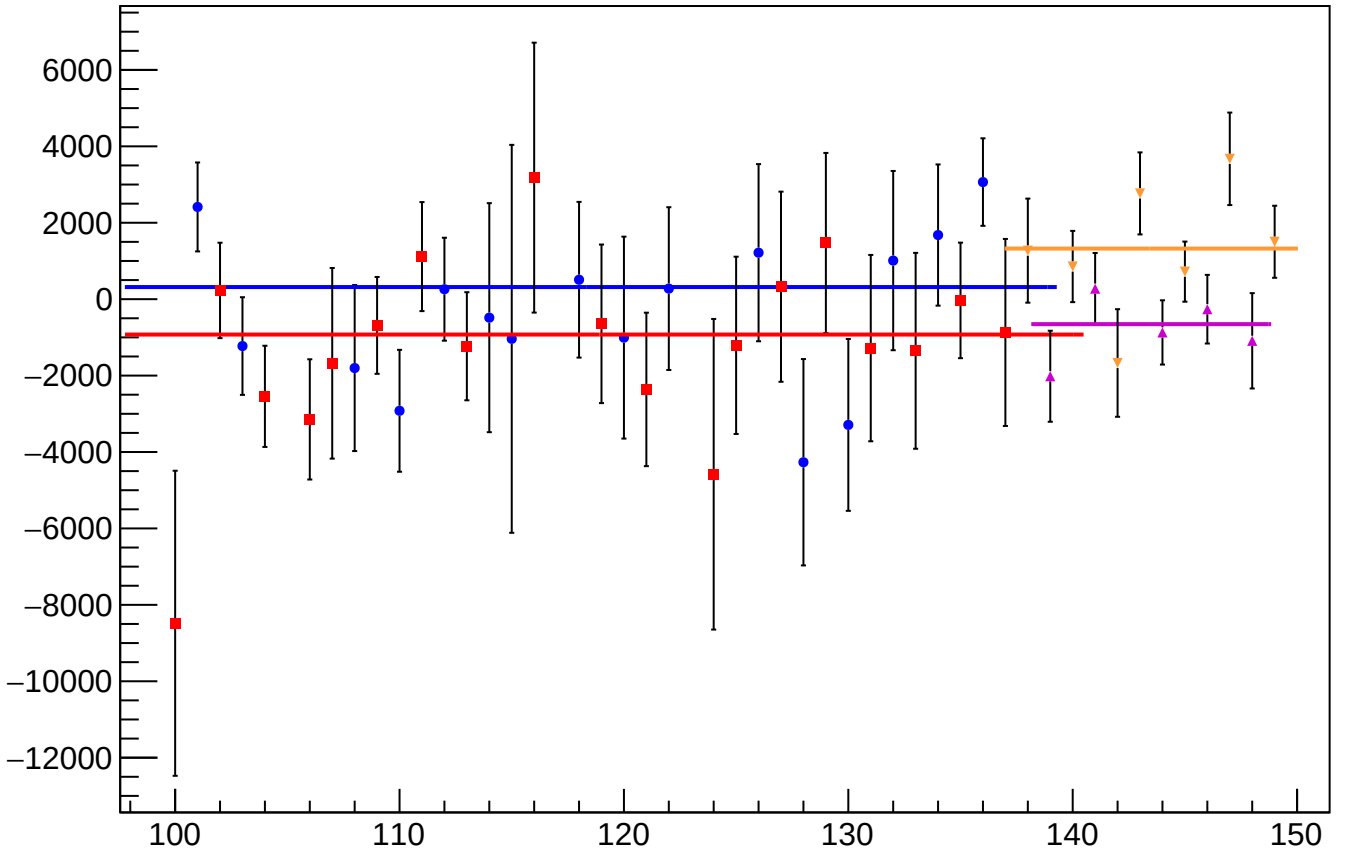
Left: 906.725+/-0.209 χ^2/NDF: 460828.5/11

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1044.109+/-0.224 χ^2/NDF:1170207.3/20

Out: 1003.925+/-0.204 χ^2/NDF:1433473.9/25

All: 1022.199+/-0.151 χ^2/NDF: 2621245.3/46



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1324.649+/-392.706 χ^2/NDF:11.0/6

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: 449.268+/-293.211 χ^2/NDF: 24.9/11

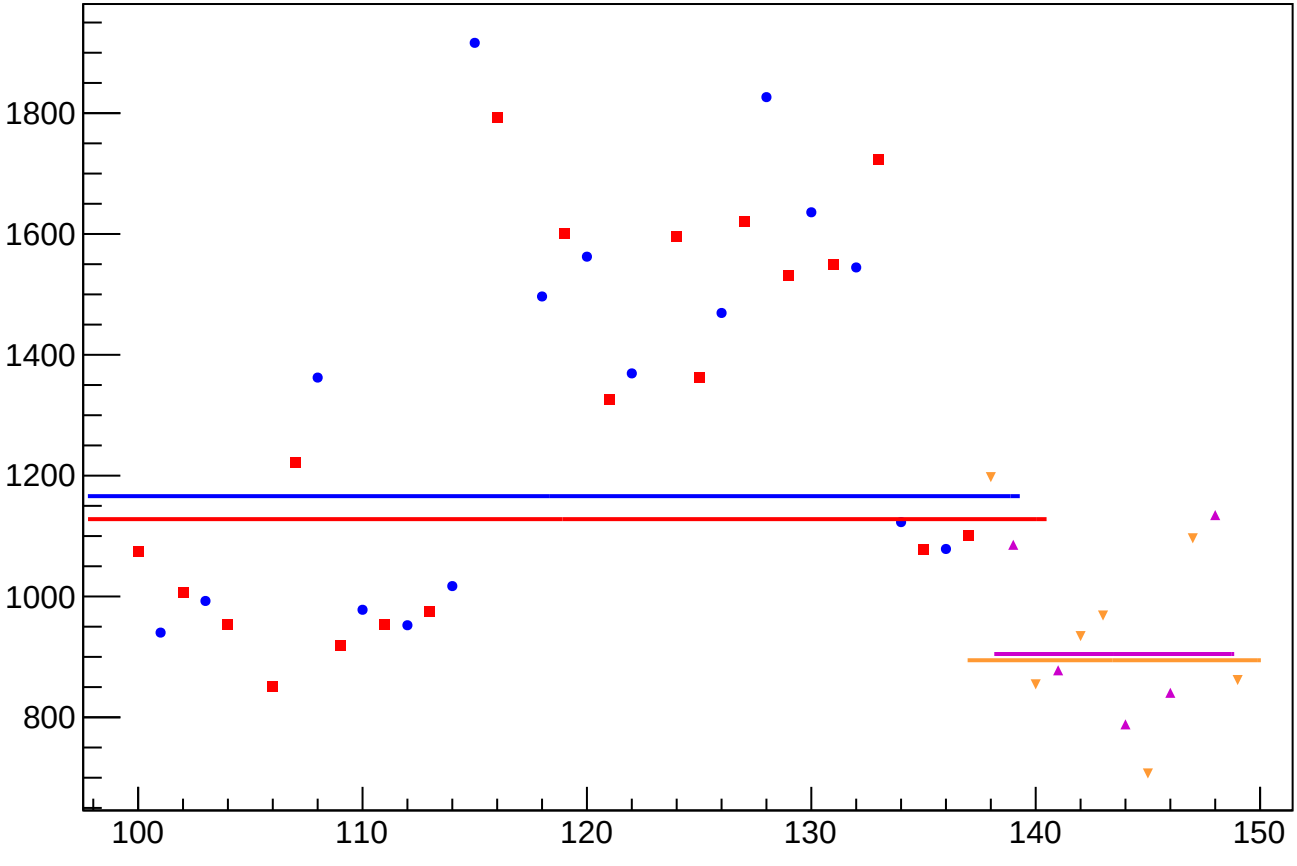
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -174.167+/-313.622 χ^2/NDF:27.2/20

Out: 289.120+/-288.553 χ^2/NDF:40.6/25

All: 76.730+/-212.348 χ^2/NDF: 69.0/46

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 894.445+/-0.278 χ^2/NDF:285273.3/6

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 904.779+/-0.312 χ^2/NDF:164282.4/4

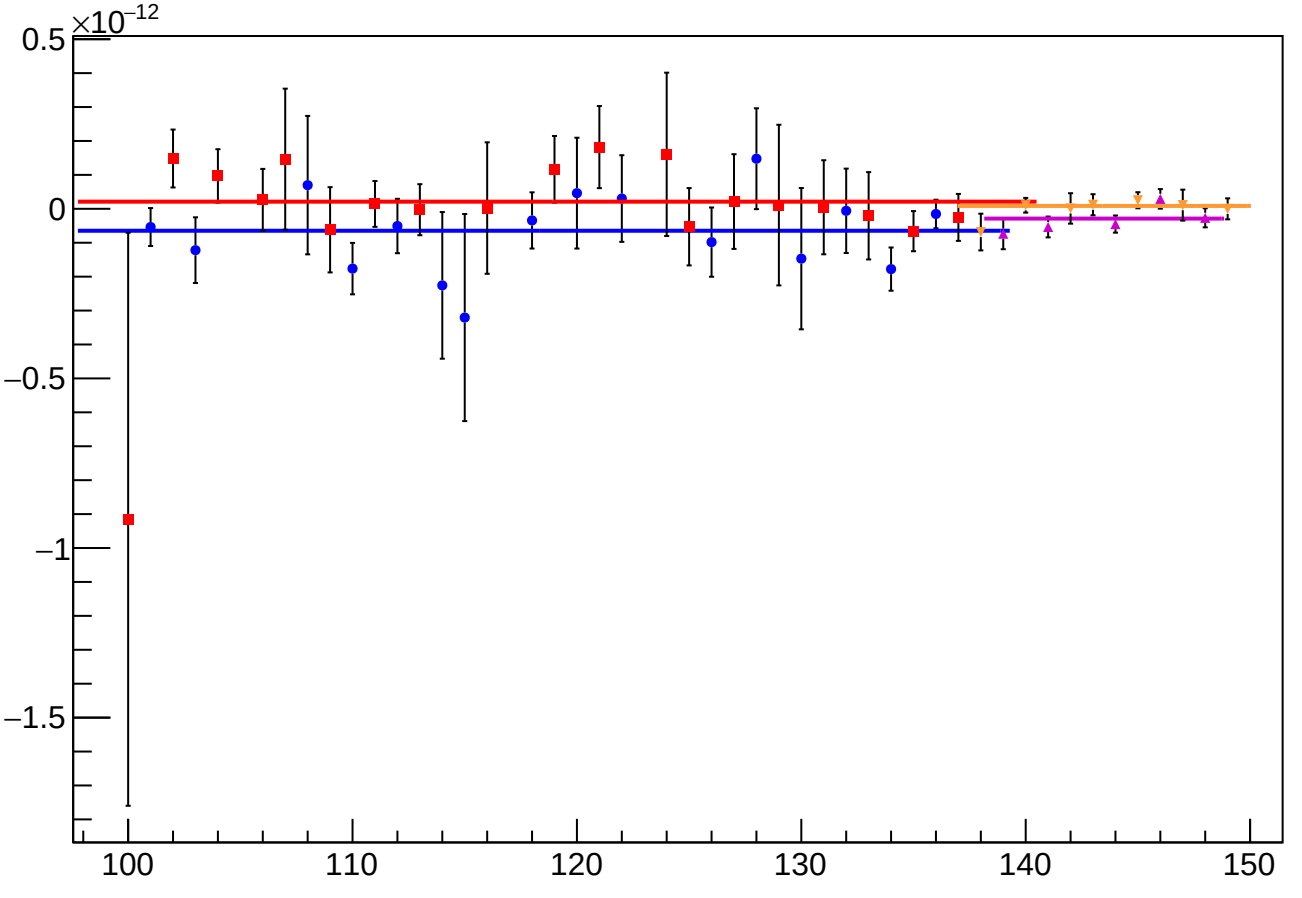
Left: 899.018+/-0.207 χ^2/NDF: 450168.5/11

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1033.777+/-0.222 χ^2/NDF:1188315.8/20

Out: 1001.905+/-0.204 χ^2/NDF:1386535.6/25

All: 1016.517+/-0.150 χ^2/NDF: 2586037.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/4

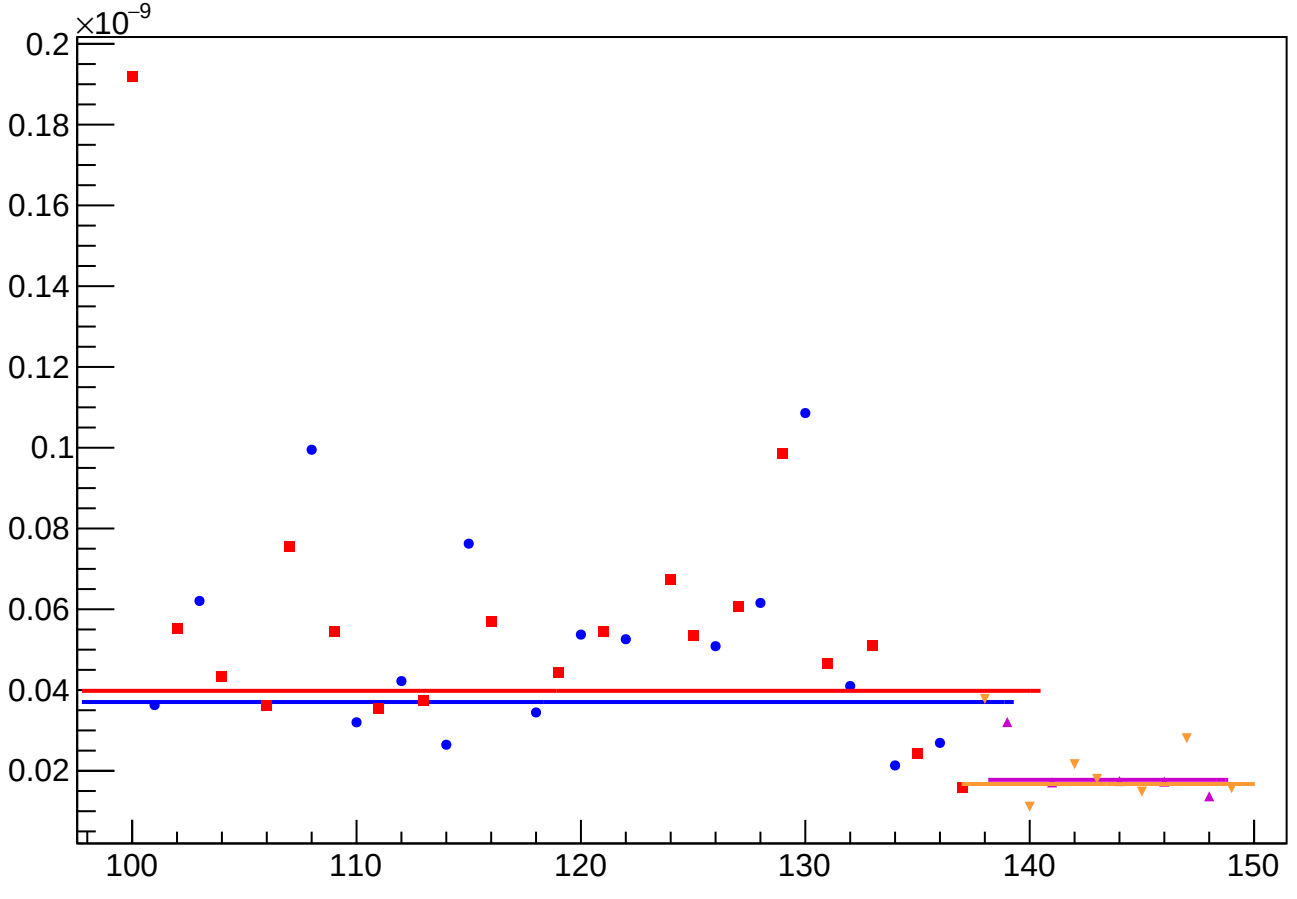
Left: -0.000+/-0.000 χ^2/NDF: 13.1/11

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:14.4/25

All: -0.000+/-0.000 χ^2/NDF: 45.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:602909.2/6

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: 848534.1/11

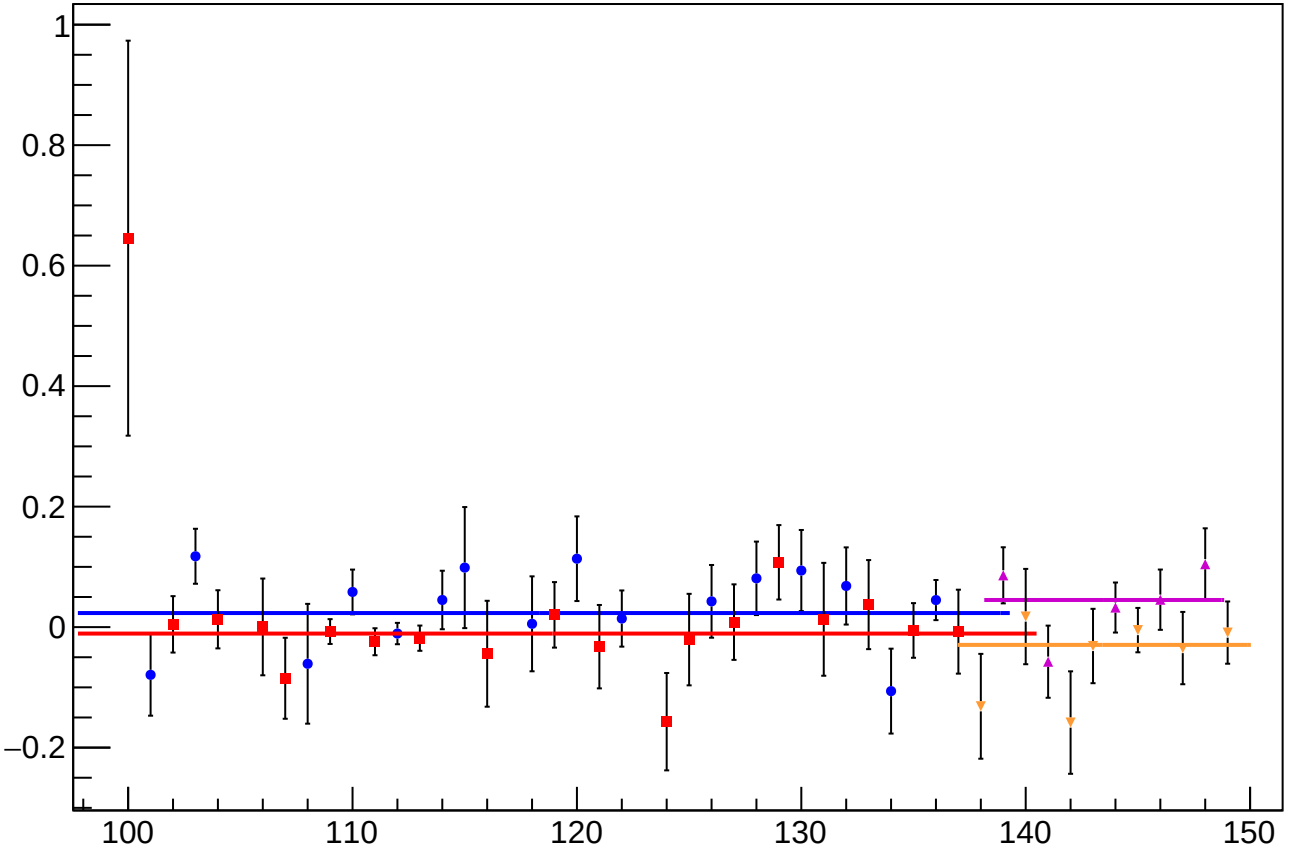
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2365648.7/20

Out: 0.000+/-0.000 χ^2/NDF:3093521.3/25

All: 0.000+/-0.000 χ^2/NDF: 5480413.0/46

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.029+/-0.022 χ^2/NDF:4.6/6

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

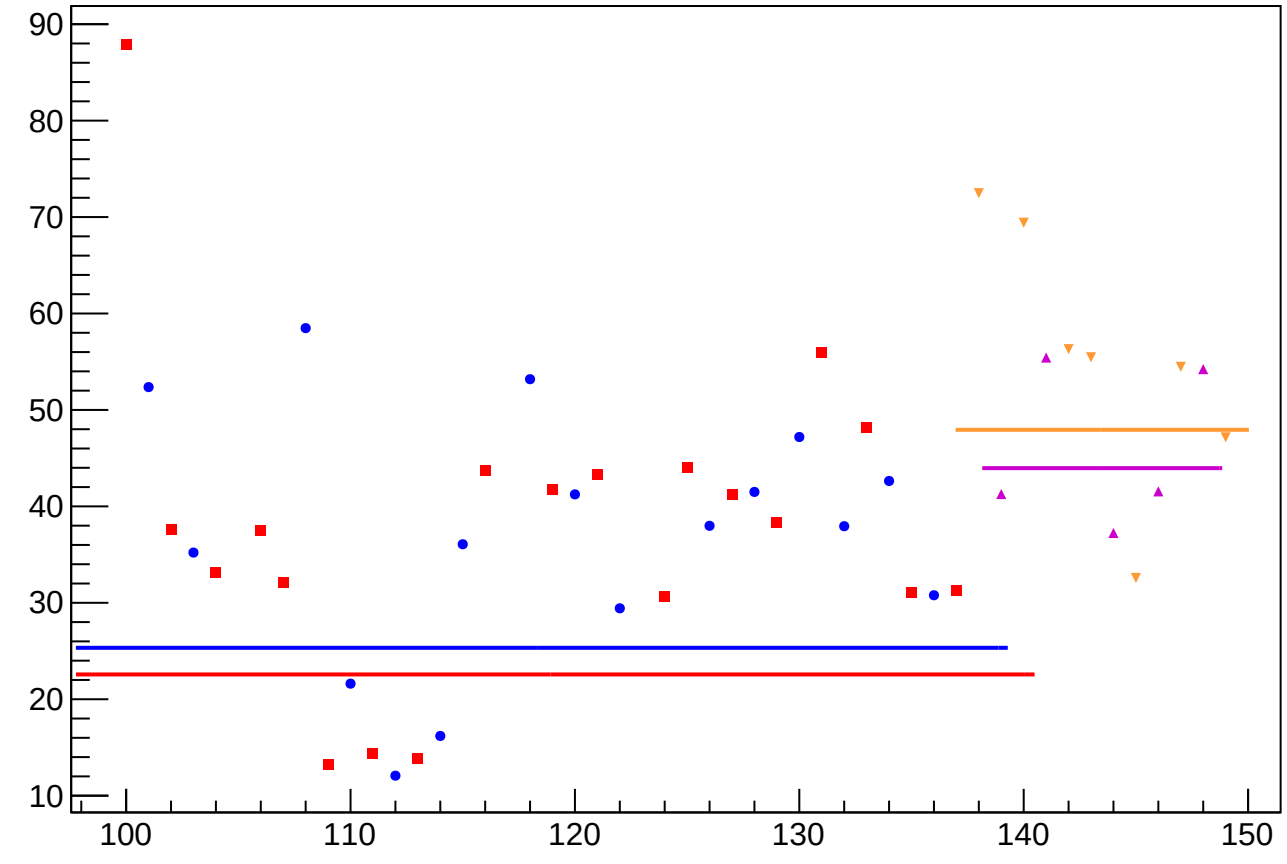
Left: 0.007+/-0.016 χ^2/NDF: 15.1/11

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:19.5/25

All: 0.005+/-0.007 χ^2/NDF: 55.4/46



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.939+/-0.015 χ^2/NDF:727374.6/6

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

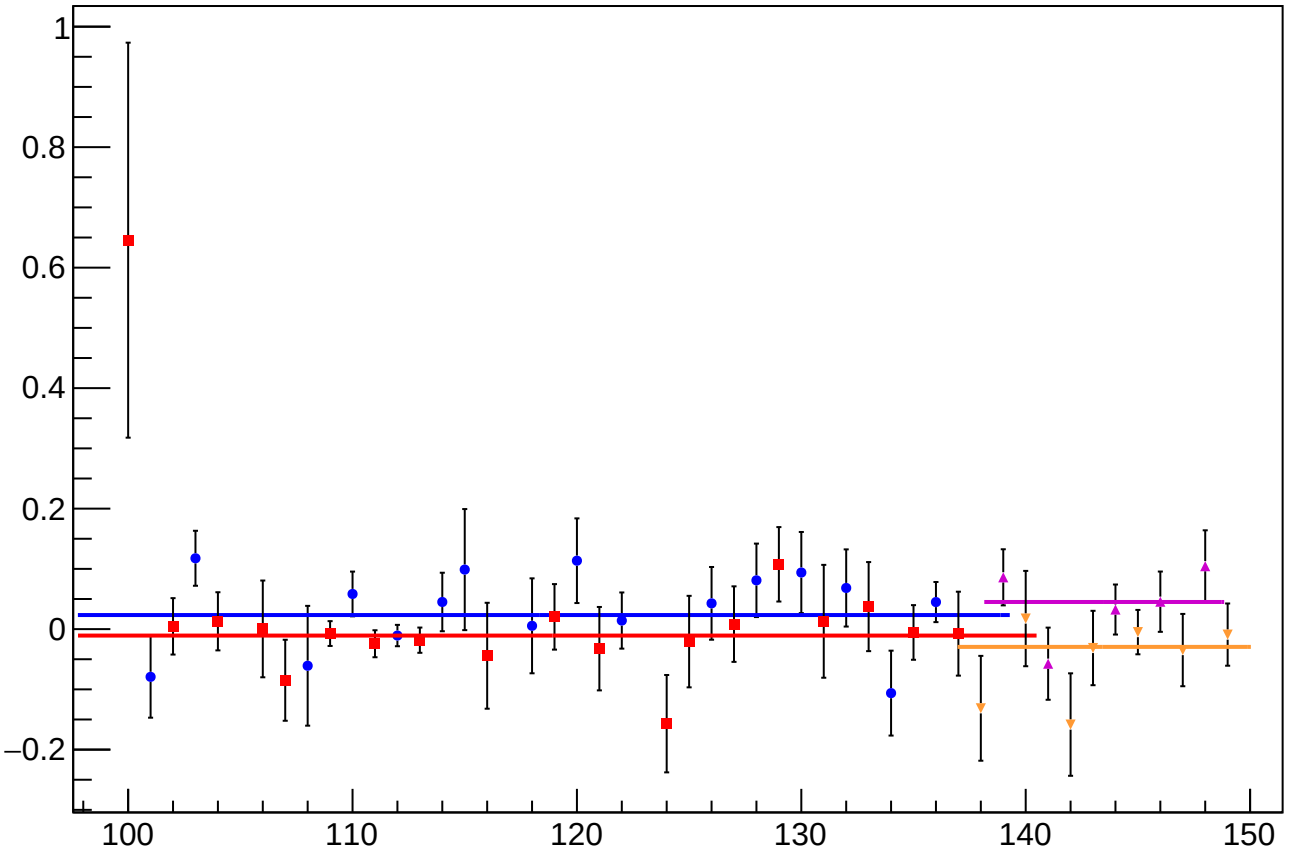
Left: 45.991+/-0.011 χ^2/NDF: 956106.0/11

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 29.002+/-0.007 χ^2/NDF:4237352.7/20

Out: 26.800+/-0.006 χ^2/NDF:6100320.2/25

All: 27.788+/-0.005 χ^2/NDF: 10392030.0/46



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.029+/-0.022 χ^2/NDF:4.6/6

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

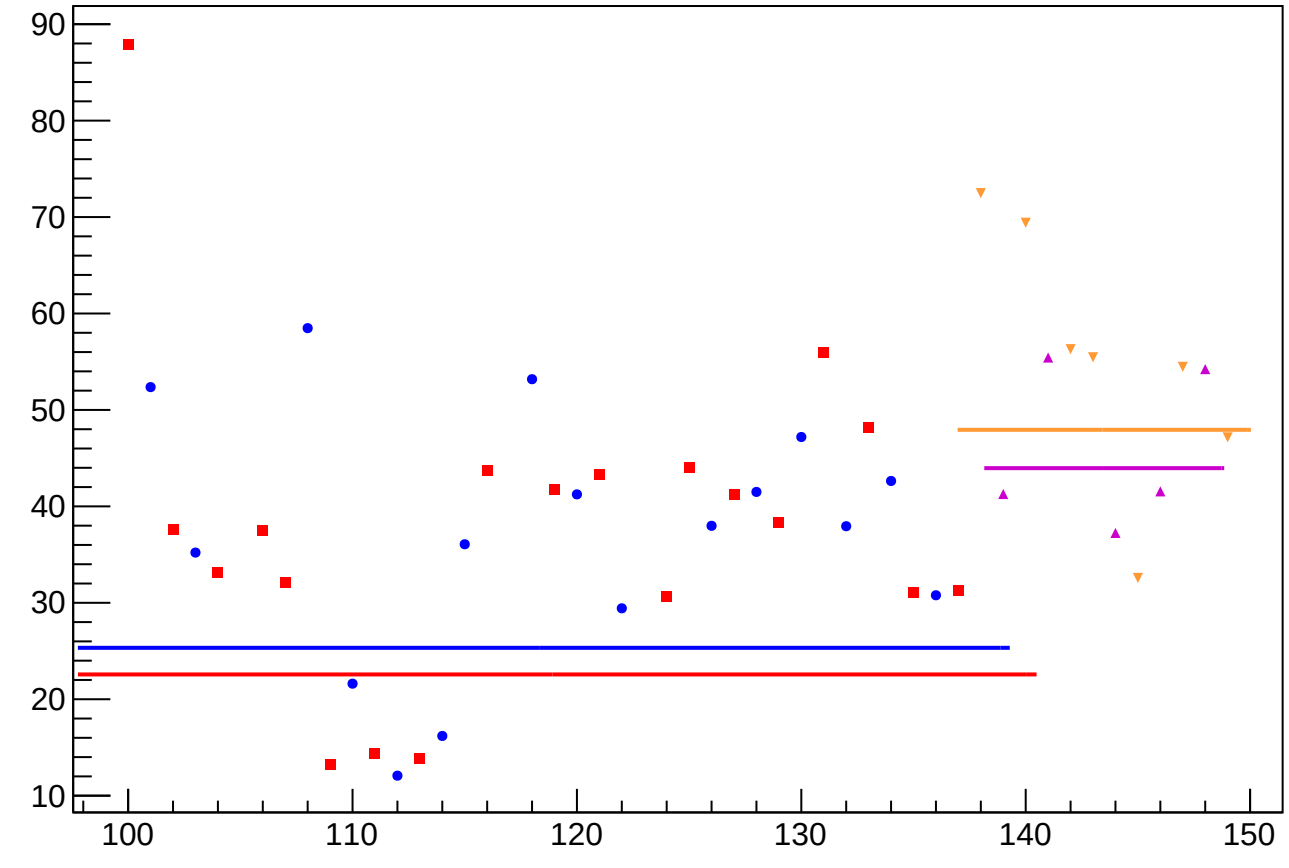
Left: 0.007+/-0.016 χ^2/NDF: 15.1/11

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:19.5/25

All: 0.005+/-0.007 χ^2/NDF: 55.4/46



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.939+/-0.015 χ^2/NDF:727374.6/6

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 43.964+/-0.016 χ^2/NDF:196487.2/4

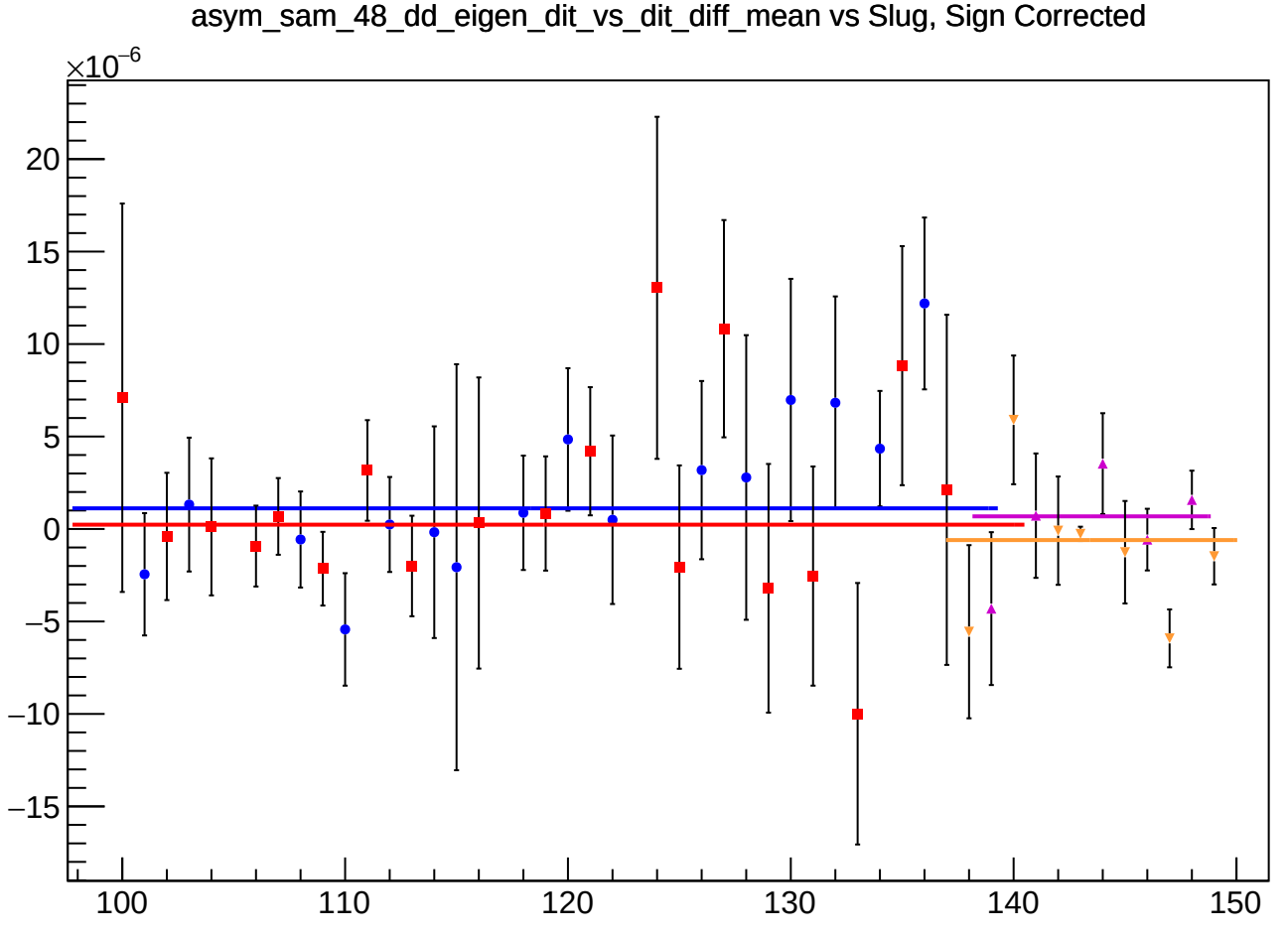
Left: 45.991+/-0.011 χ^2/NDF: 956106.0/11

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 29.002+/-0.007 χ^2/NDF:4237352.7/20

Out: 26.800+/-0.006 χ^2/NDF:6100320.2/25

All: 27.788+/-0.005 χ^2/NDF: 10392030.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/4

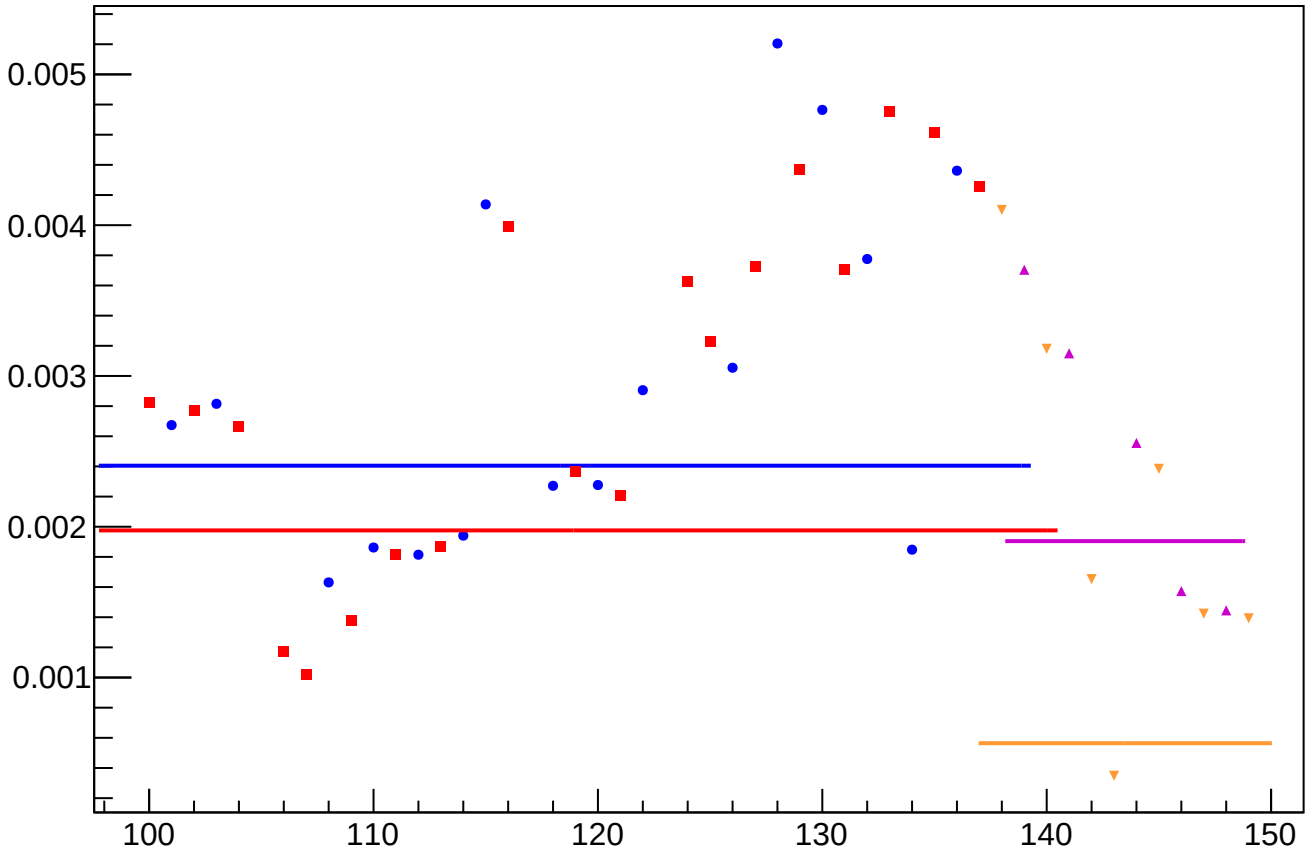
Left: -0.000+/-0.000 χ^2/NDF: 22.3/11

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:33.3/25

All: -0.000+/-0.000 χ^2/NDF: 56.3/46



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:5228662.4/6

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1015794.8/4

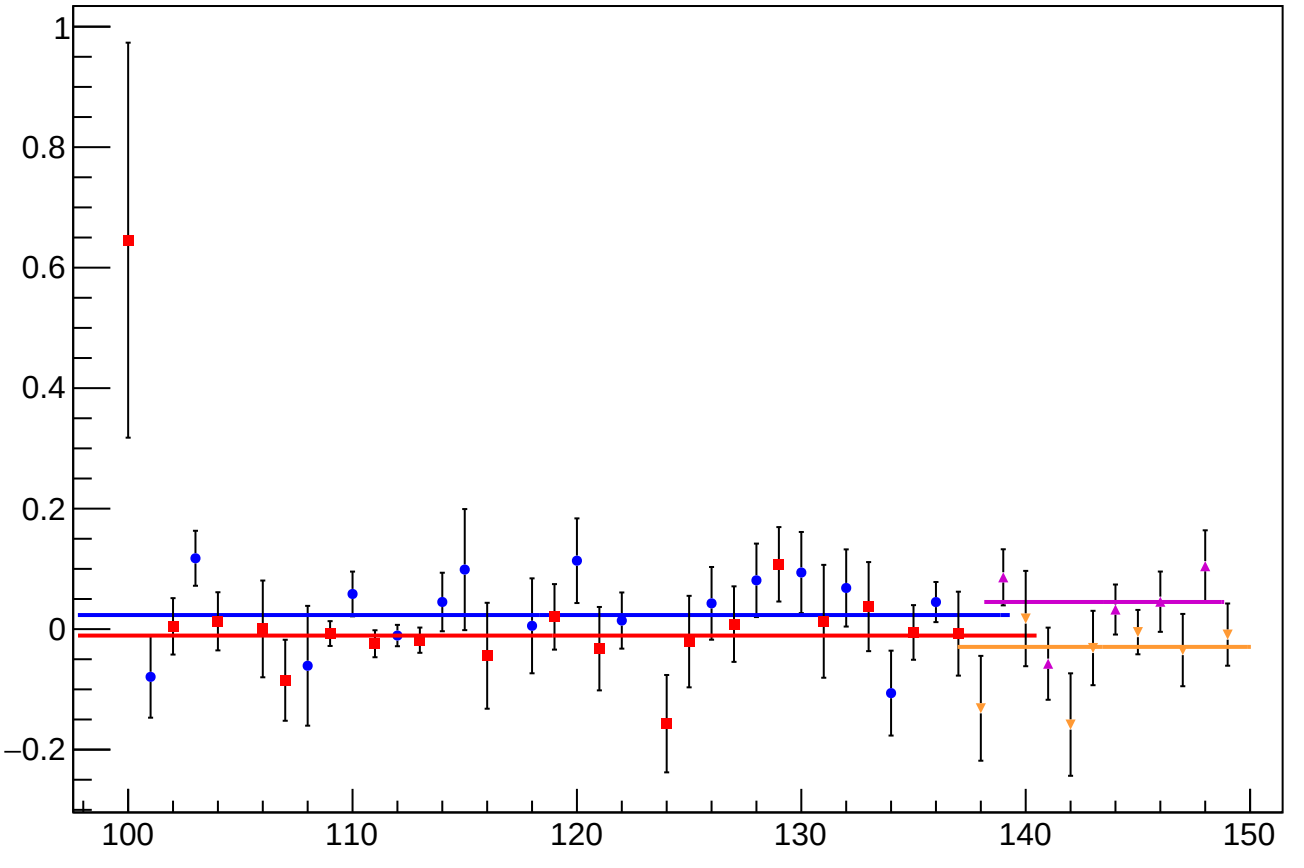
Left: 0.001+/-0.000 χ^2/NDF: 9552670.1/11

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:13068506.8/25

All: 0.001+/-0.000 χ^2/NDF: 22473286.0/46



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.029+/-0.022 χ^2/NDF:4.6/6

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.045+/-0.022 χ^2/NDF:4.8/4

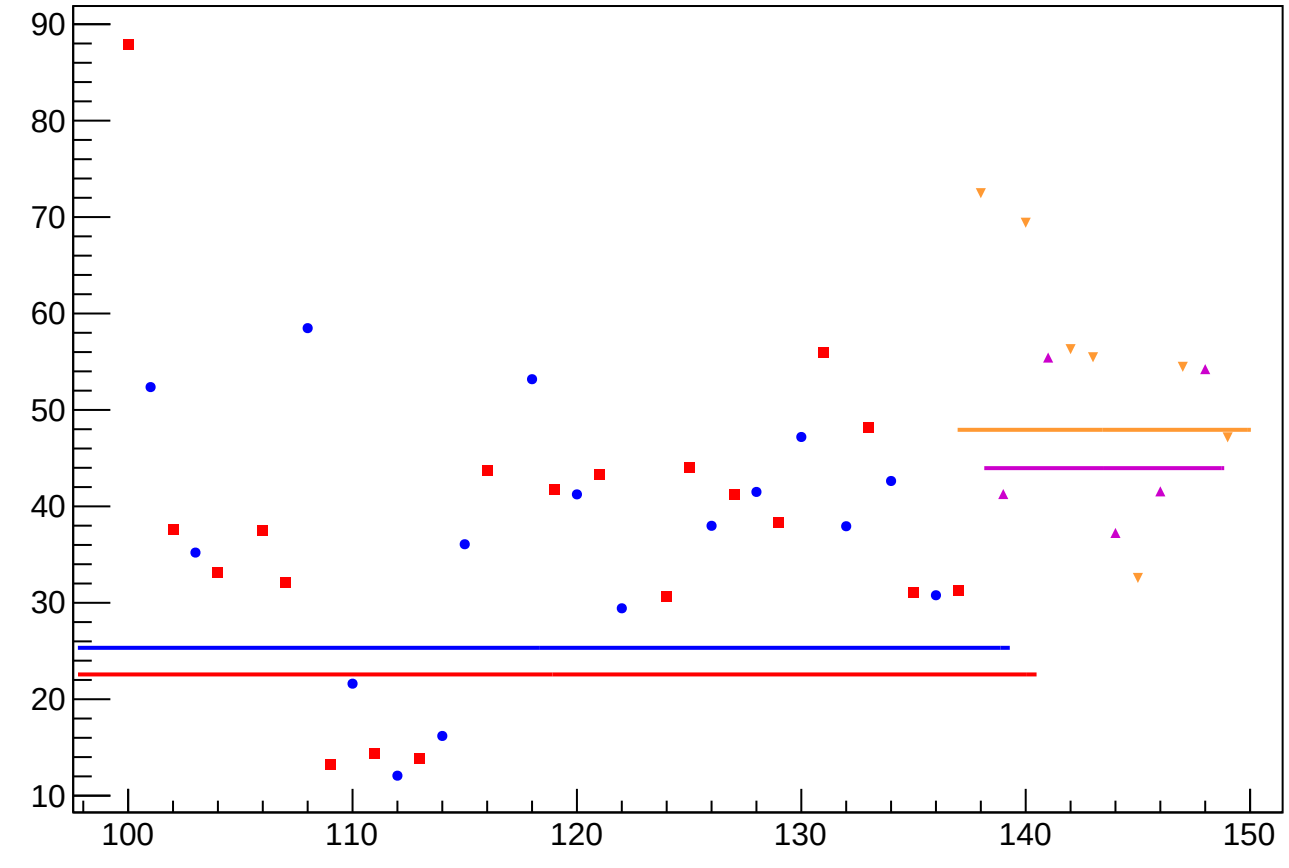
Left: 0.007+/-0.016 χ^2/NDF: 15.1/11

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:19.5/25

All: 0.005+/-0.007 χ^2/NDF: 55.4/46



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.939+/-0.015 χ^2/NDF:727343.8/6

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: 45.991+/-0.011 χ^2/NDF: 956064.1/11

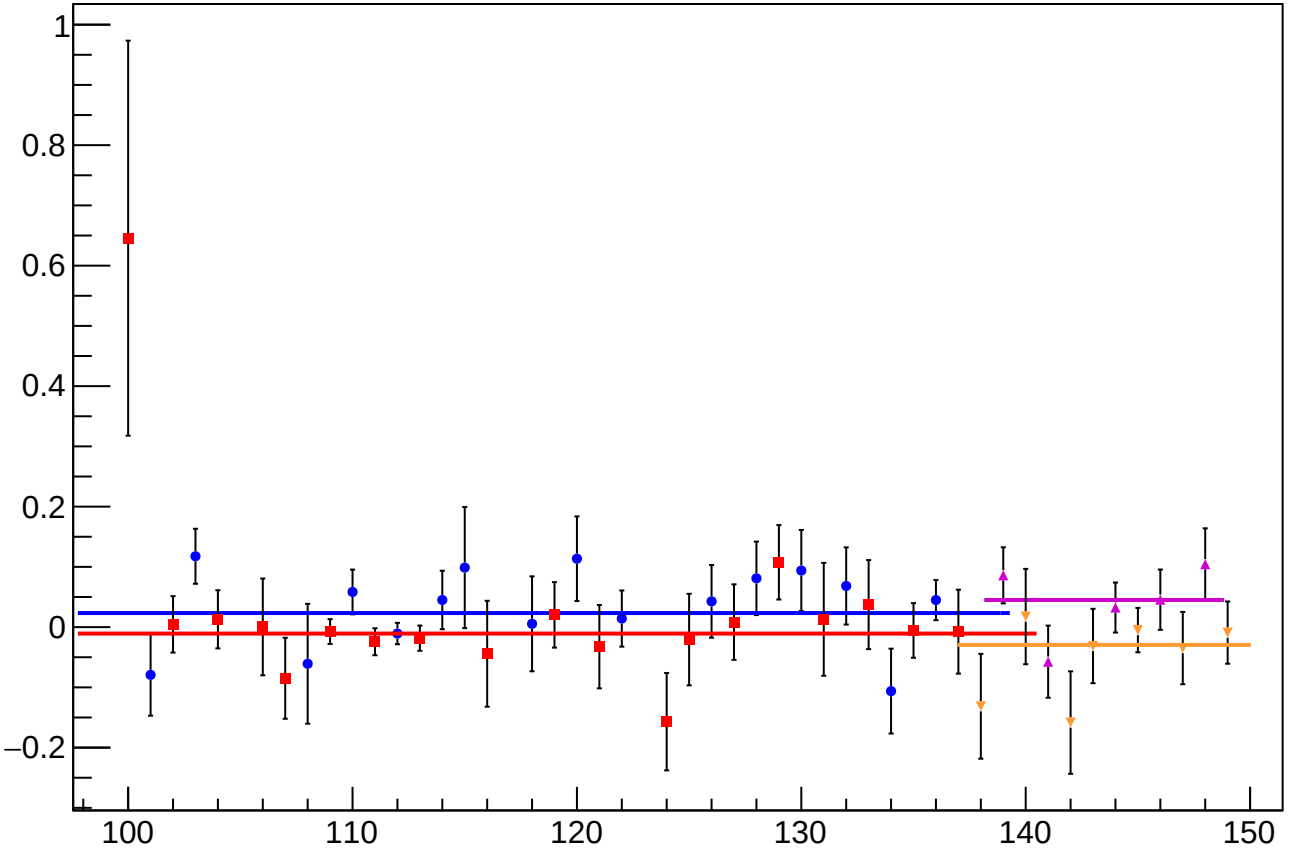
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 29.001+/-0.007 χ^2/NDF:4237965.9/20

Out: 26.800+/-0.006 χ^2/NDF:6100532.8/25

All: 27.787+/-0.005 χ^2/NDF: 10392812.8/46

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.029+/-0.022 χ^2/NDF:4.6/6

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: 0.007+/-0.016 χ^2/NDF: 15.1/11

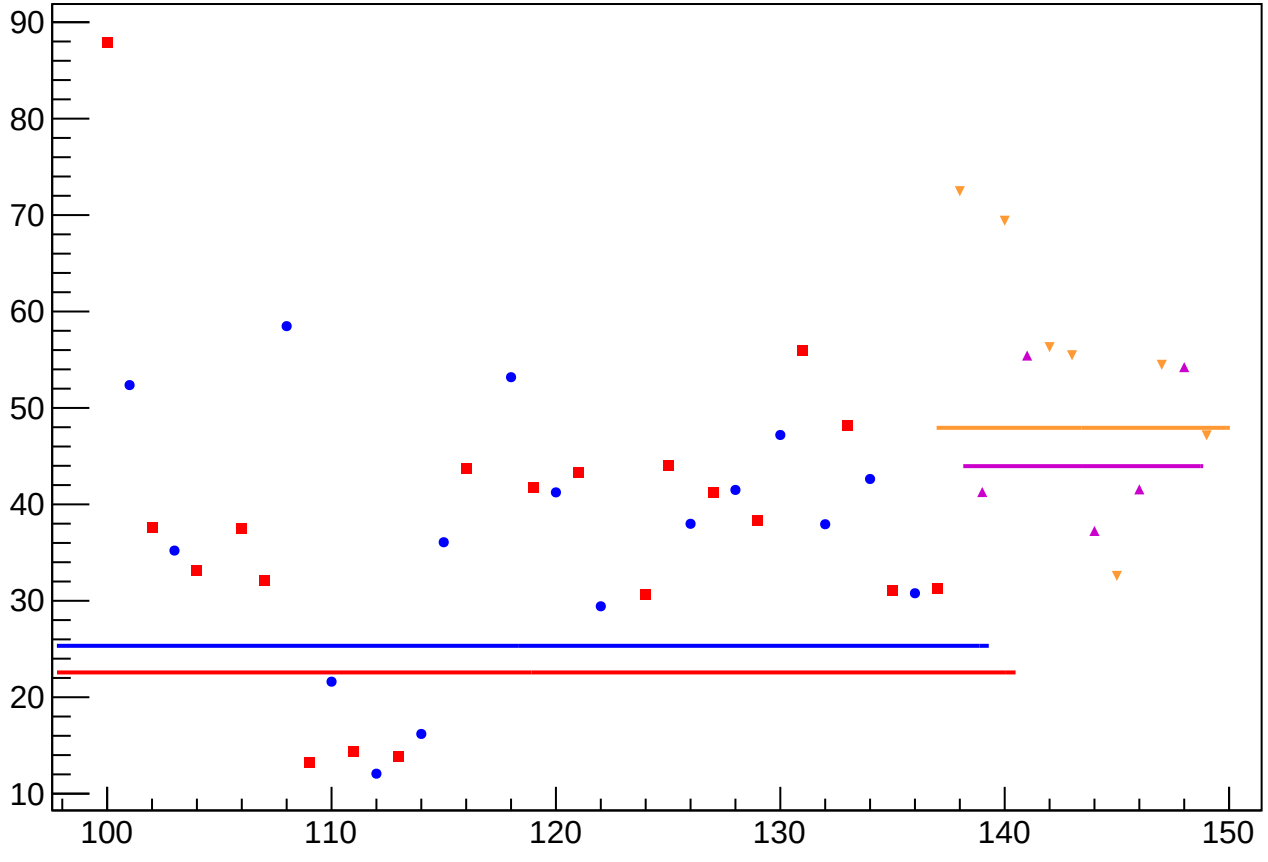
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.028+/-0.010 χ^2/NDF:26.3/20

Out: -0.014+/-0.009 χ^2/NDF:19.5/25

All: 0.005+/-0.007 χ^2/NDF: 55.4/46

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: 47.939+/-0.015 χ^2/NDF:727343.8/6

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 43.965+/-0.016 χ^2/NDF:196477.6/4

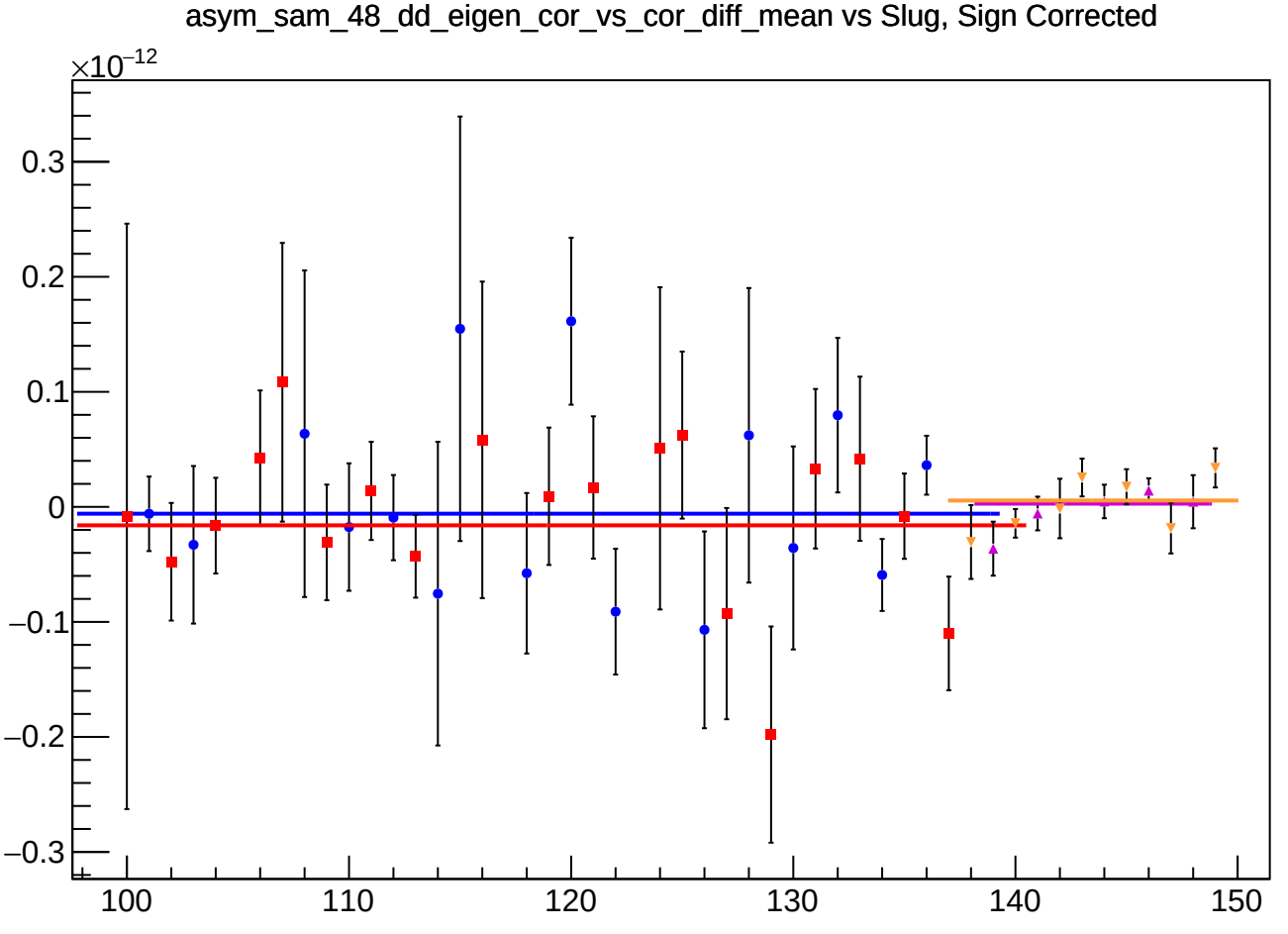
Left: 45.991+/-0.011 χ^2/NDF: 956064.1/11

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 29.001+/-0.007 χ^2/NDF:4237965.9/20

Out: 26.800+/-0.006 χ^2/NDF:6100532.8/25

All: 27.787+/-0.005 χ^2/NDF: 10392812.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/4

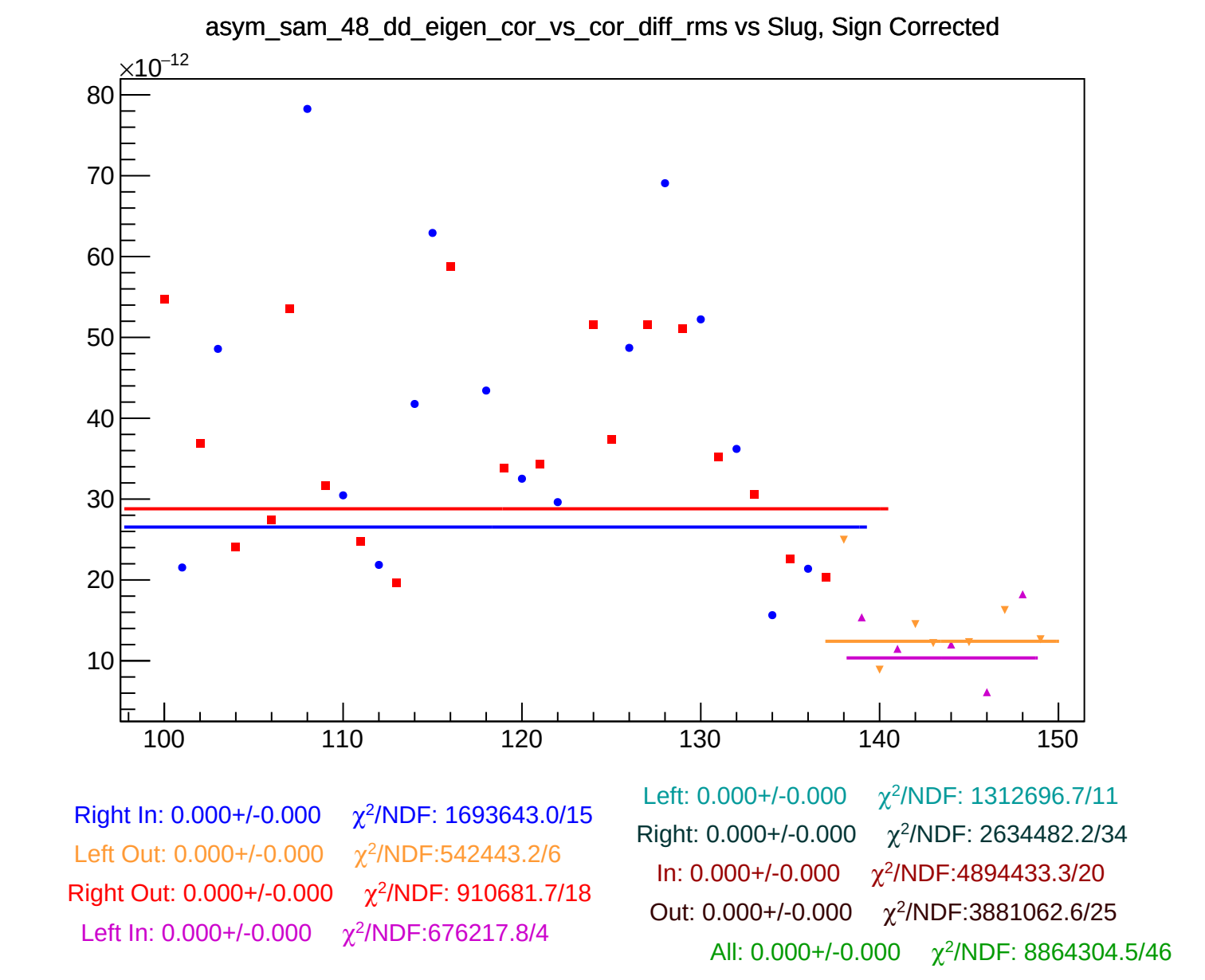
Left: 0.000+/-0.000 χ^2/NDF: 14.3/11

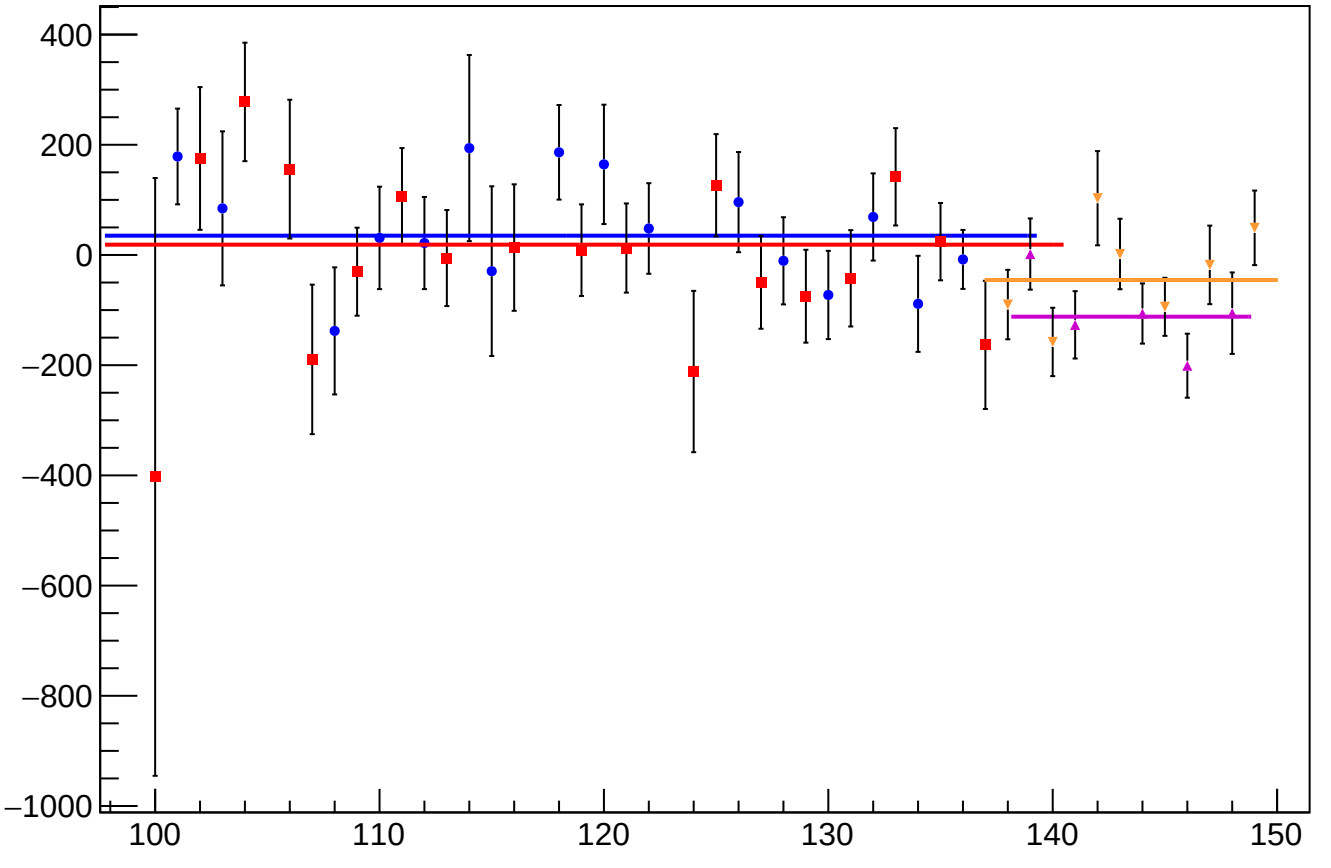
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:23.4/20

Out: 0.000+/-0.000 χ^2/NDF:27.0/25

All: 0.000+/-0.000 χ^2/NDF: 50.5/46


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:542443.2/6
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: 1312696.7/11
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:3881062.6/25
All: 0.000+/-0.000 χ²/NDF: 8864304.5/46



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -45.407+/-24.487 χ^2/NDF:10.3/6

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -111.993+/-27.506 χ^2/NDF:5.5/4

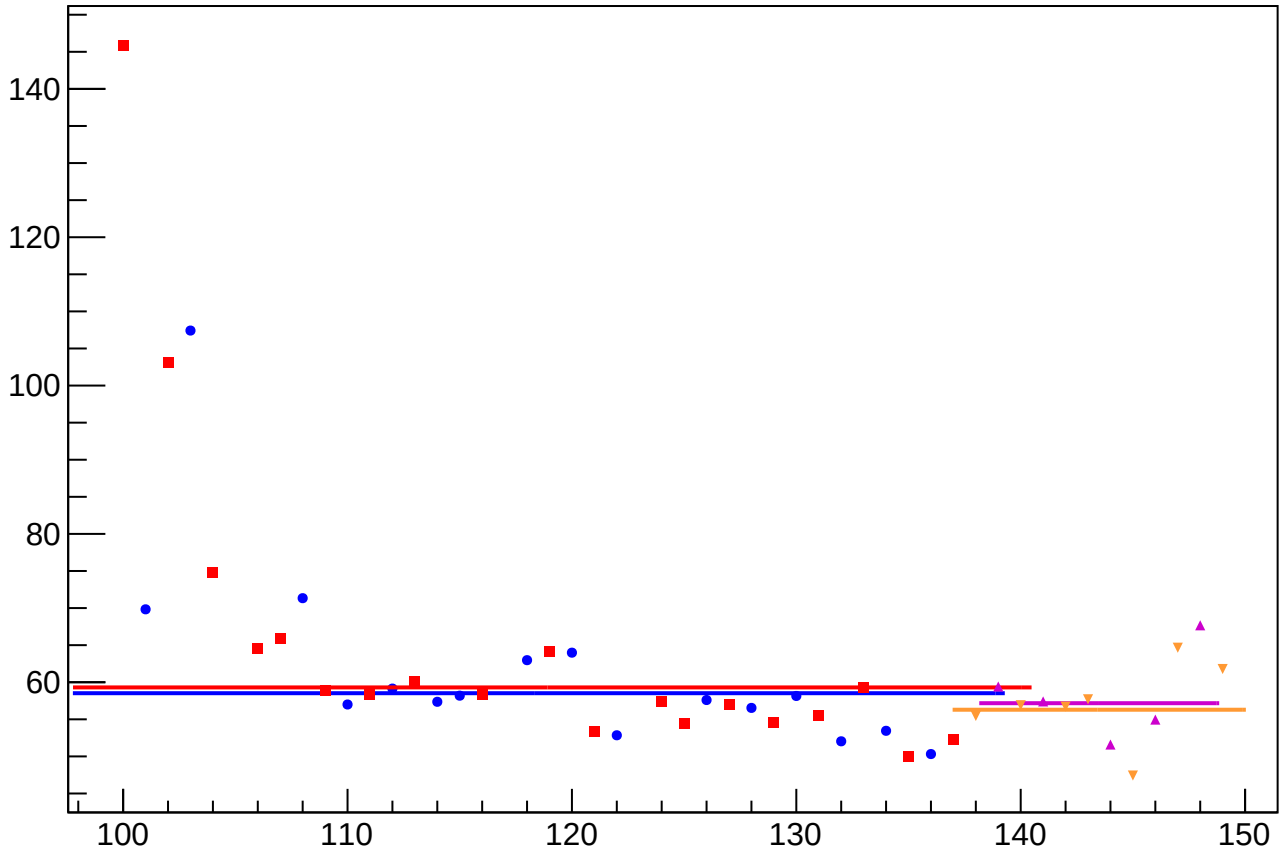
Left: -74.846+/-18.290 χ^2/NDF: 19.1/11

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -22.762+/-17.244 χ^2/NDF:39.0/20

Out: -10.136+/-16.421 χ^2/NDF:37.6/25

All: -16.141+/-11.892 χ^2/NDF: 76.9/46



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.294+/-0.017 χ^2/NDF:98920.2/6

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: 56.683+/-0.013 χ^2/NDF: 166605.7/11

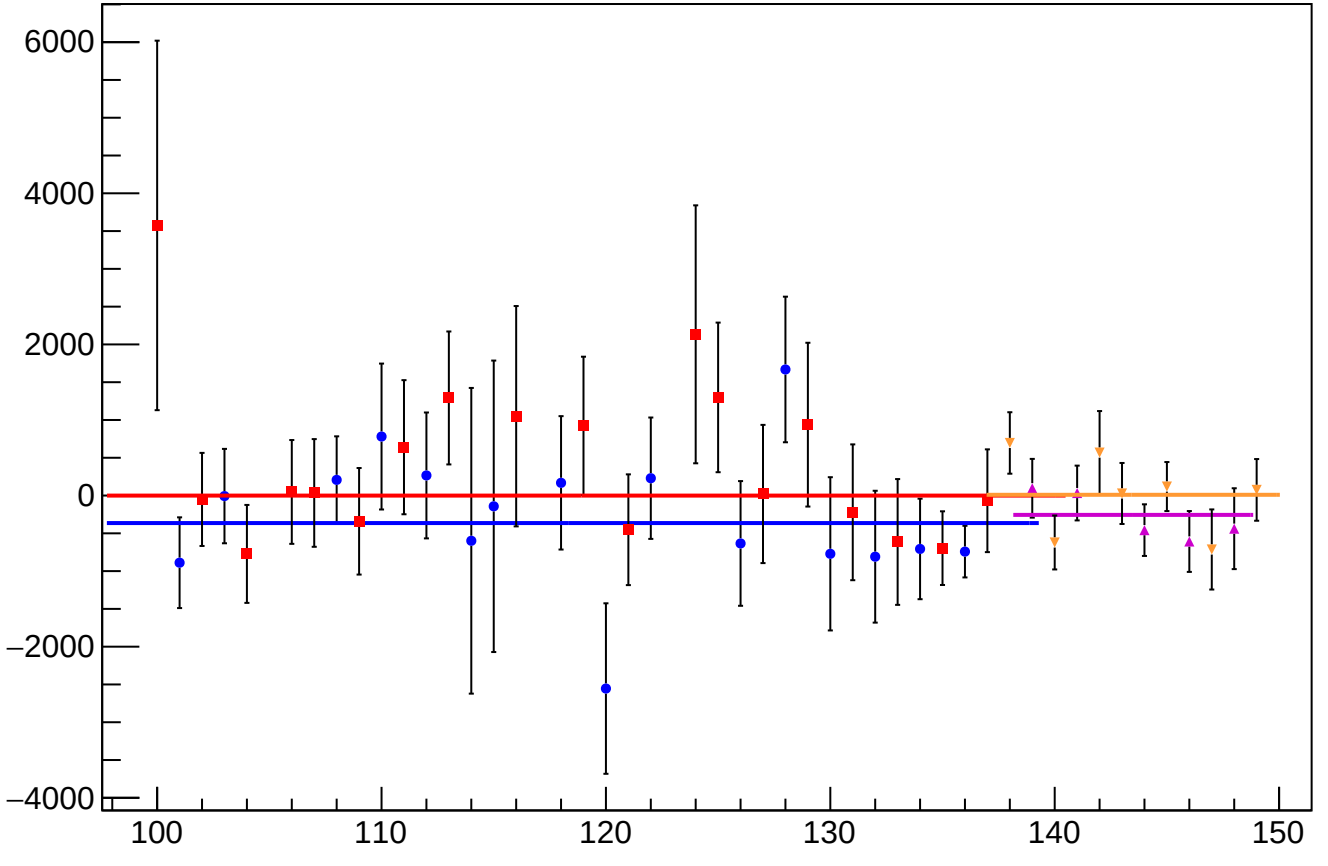
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.992+/-0.012 χ^2/NDF:462192.4/20

Out: 57.949+/-0.012 χ^2/NDF:522135.6/25

All: 57.969+/-0.008 χ^2/NDF: 984334.7/46

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: 9.922+/-153.559 χ^2/NDF:9.0/6

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -255.951+/-175.524 χ^2/NDF:2.7/4

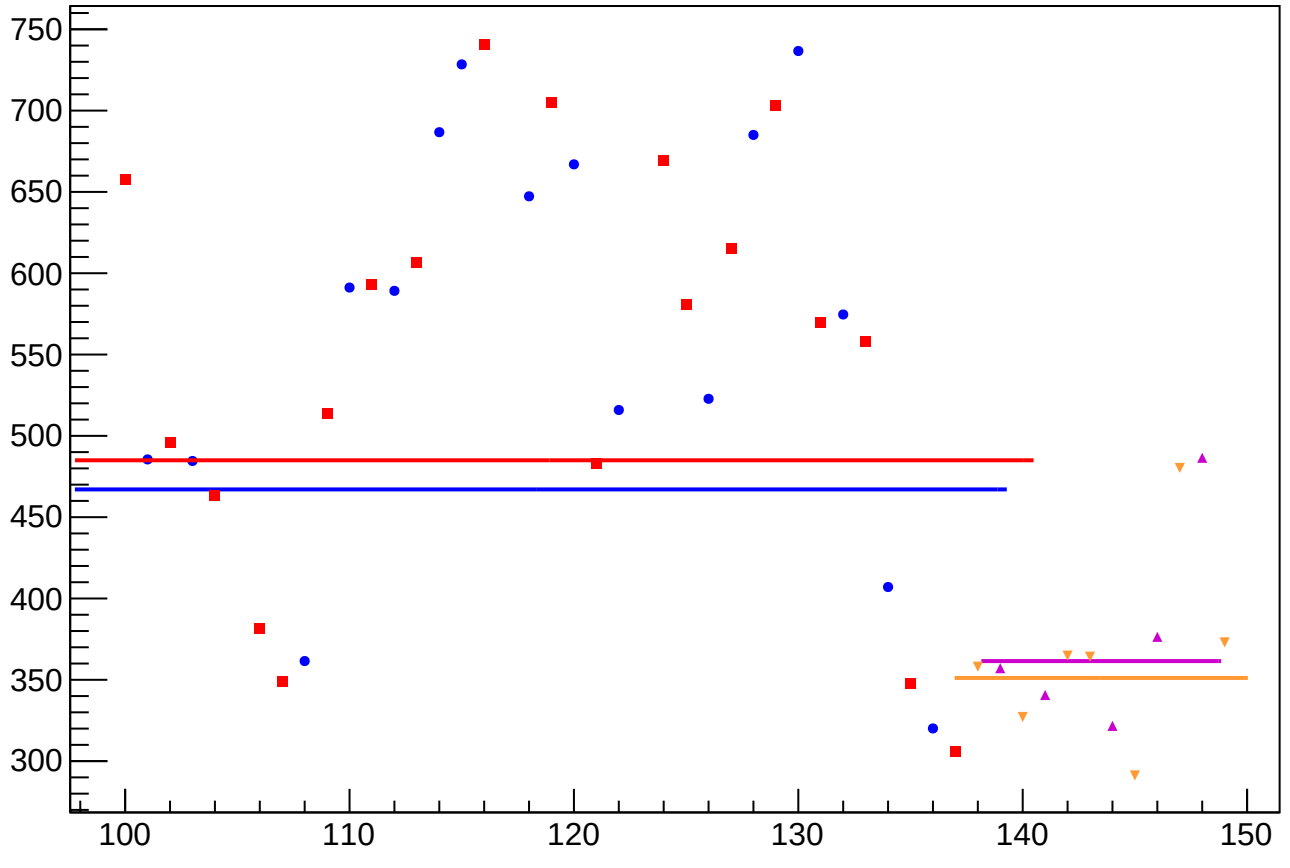
Left: -105.347+/-115.573 χ^2/NDF: 13.0/11

Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -308.472+/-125.871 χ^2/NDF:18.1/20

Out: 5.590+/-117.654 χ^2/NDF:24.1/25

All: -140.857+/-85.952 χ^2/NDF: 45.5/46



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 351.149+/-0.109 χ^2/NDF:205637.9/6

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 361.508+/-0.124 χ^2/NDF:146005.8/4

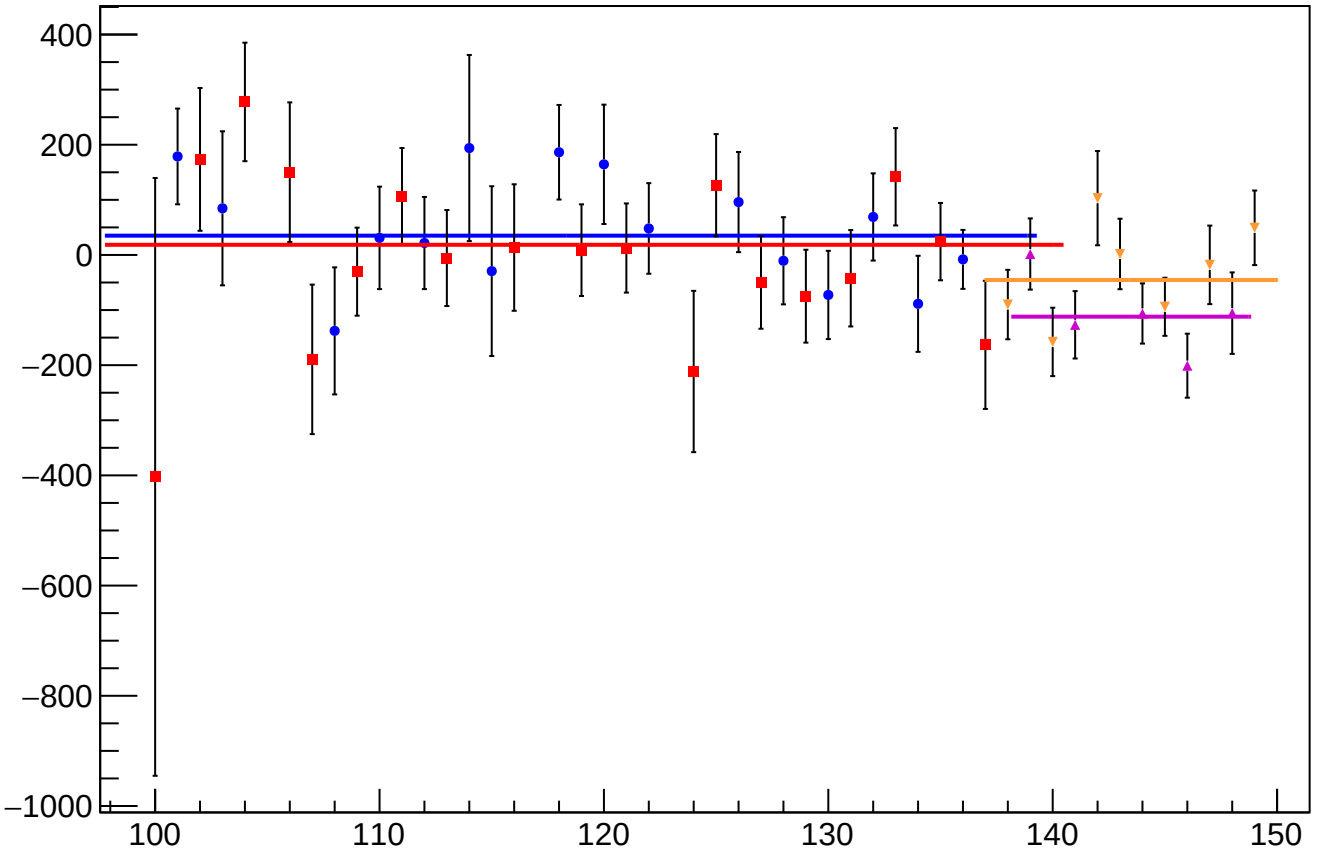
Left: 355.640+/-0.082 χ^2/NDF: 355589.5/11

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 412.783+/-0.089 χ^2/NDF:1527657.6/20

Out: 406.417+/-0.083 χ^2/NDF:1707096.6/25

All: 409.385+/-0.061 χ^2/NDF: 3237485.1/46



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -45.408+/-24.487 χ^2/NDF:10.3/6

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -111.993+/-27.506 χ^2/NDF:5.5/4

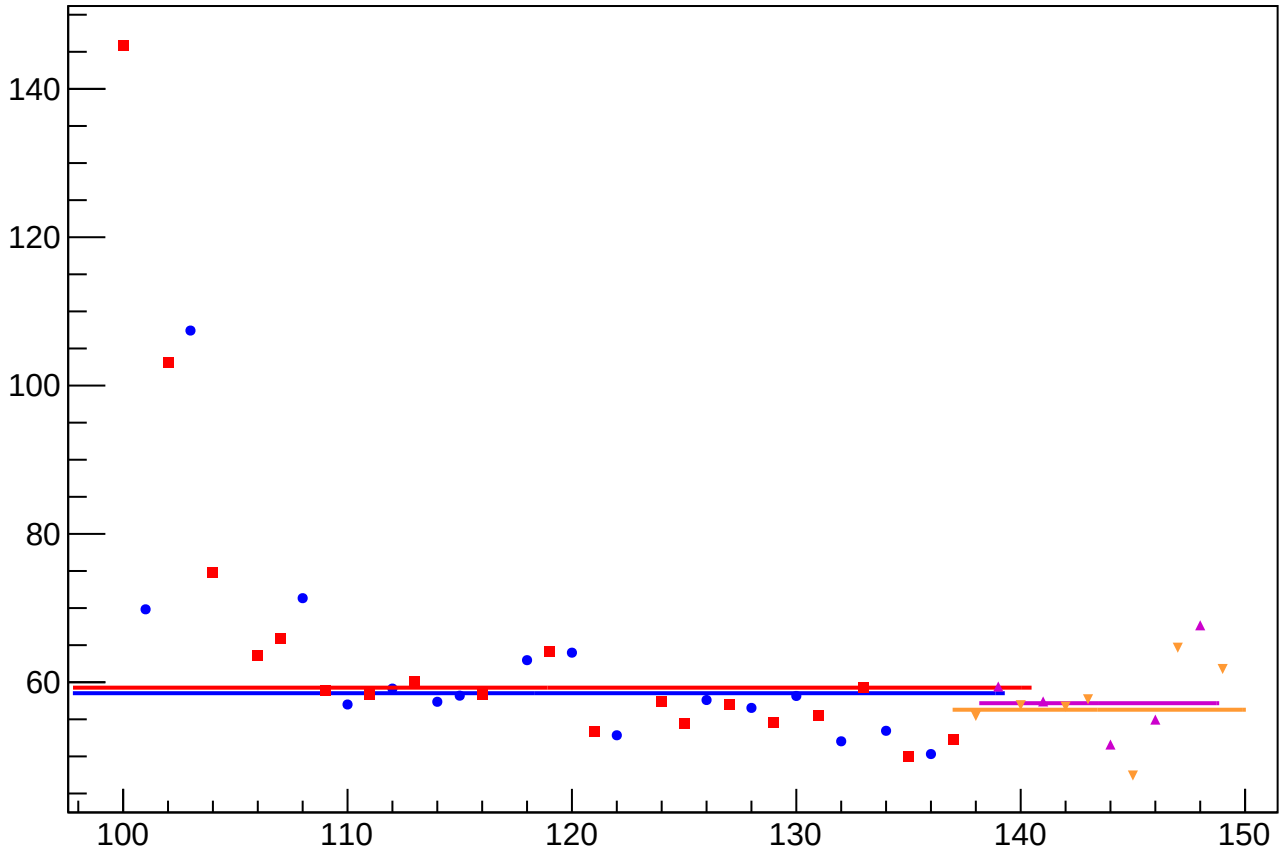
Left: -74.847+/-18.290 χ^2/NDF: 19.1/11

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -22.763+/-17.244 χ^2/NDF:39.0/20

Out: -10.293+/-16.423 χ^2/NDF:37.4/25

All: -16.224+/-11.893 χ^2/NDF: 76.7/46



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.294+/-0.017 χ^2/NDF:98920.2/6

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.175+/-0.019 χ^2/NDF:66540.0/4

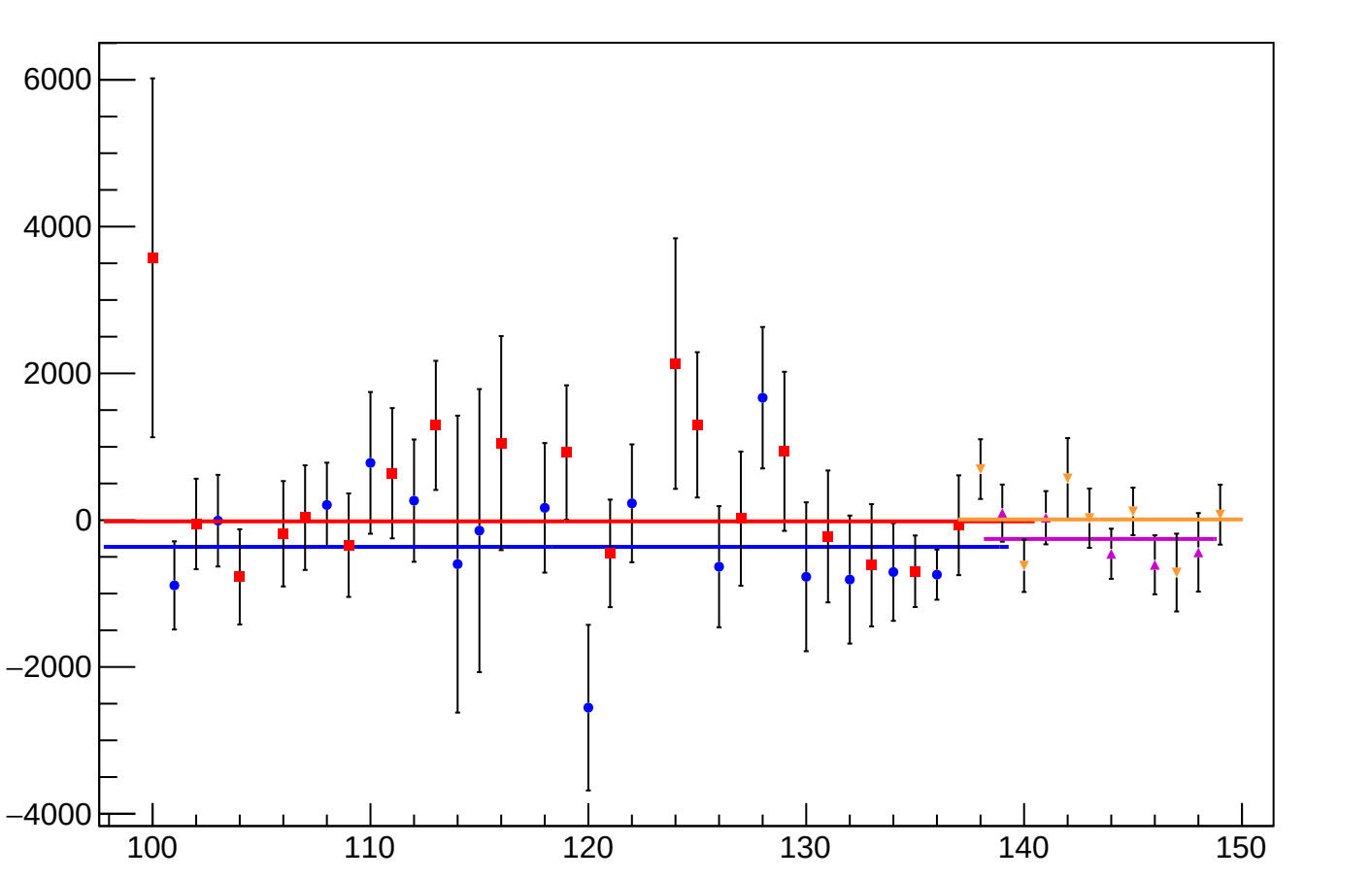
Left: 56.683+/-0.013 χ^2/NDF: 166605.7/11

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.992+/-0.012 χ^2/NDF:462194.5/20

Out: 57.931+/-0.012 χ^2/NDF:520788.2/25

All: 57.960+/-0.008 χ^2/NDF: 982996.0/46



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: 9.918+/-153.559 χ^2/NDF:9.0/6

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: -105.348+/-115.573 χ^2/NDF: 13.0/11

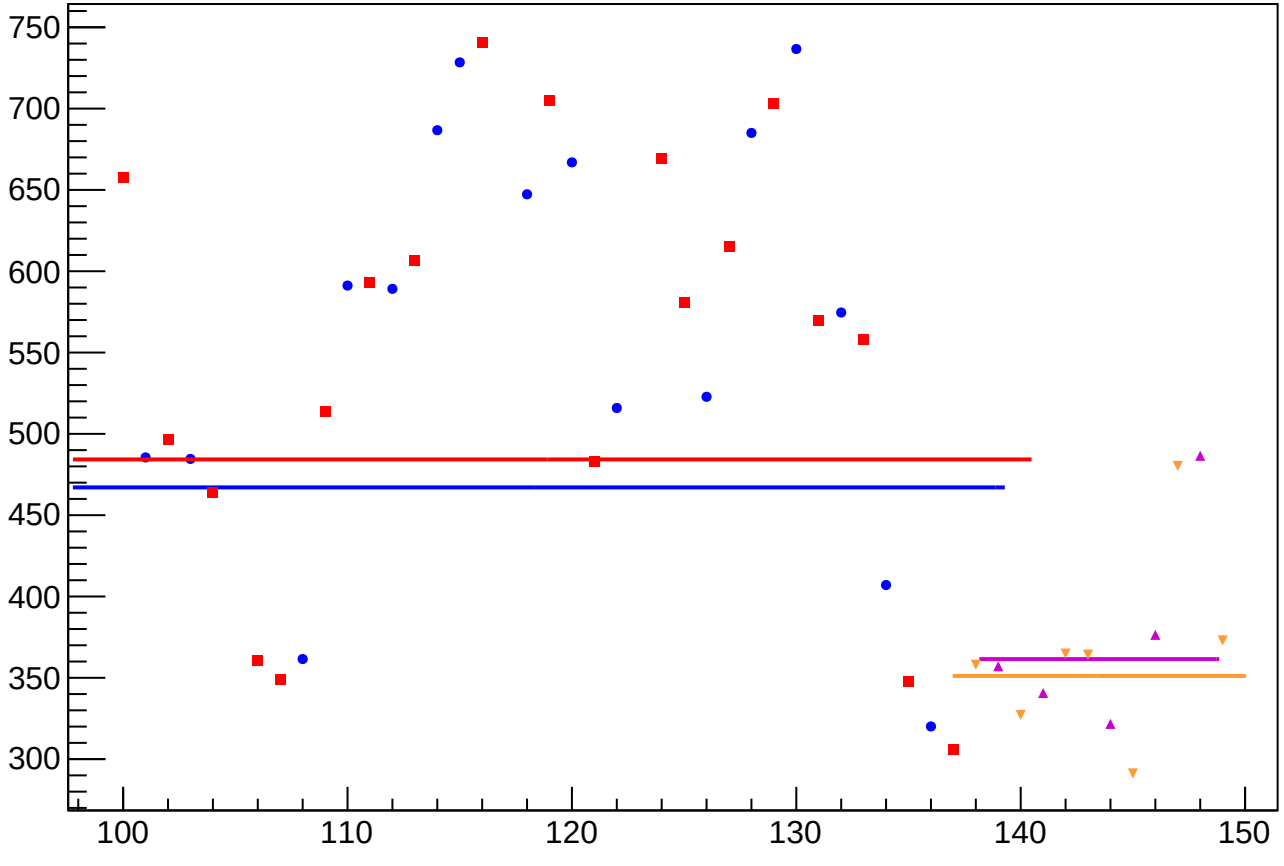
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -308.453+/-125.871 χ^2/NDF:18.1/20

Out: -0.782+/-117.804 χ^2/NDF:24.2/25

All: -144.443+/-86.011 χ^2/NDF: 45.4/46

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: 351.149+/-0.109 χ^2/NDF:205638.6/6

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

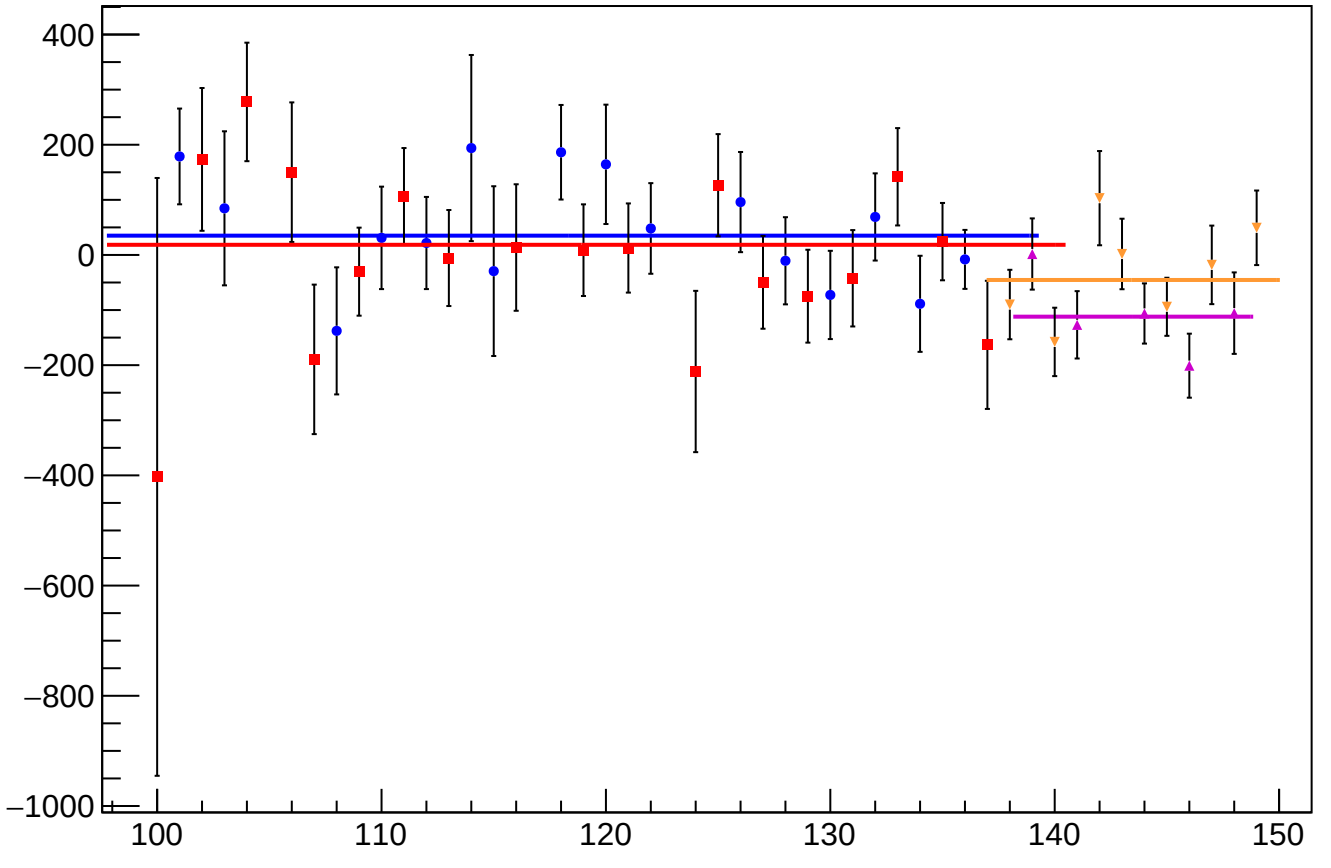
Left: 355.640+/-0.082 χ^2/NDF: 355589.9/11

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 412.784+/-0.089 χ^2/NDF:1527673.9/20

Out: 405.925+/-0.083 χ^2/NDF:1712928.0/25

All: 409.128+/-0.061 χ^2/NDF: 3243767.7/46



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -45.408+/-24.487 χ^2/NDF:10.3/6

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -111.993+/-27.506 χ^2/NDF:5.5/4

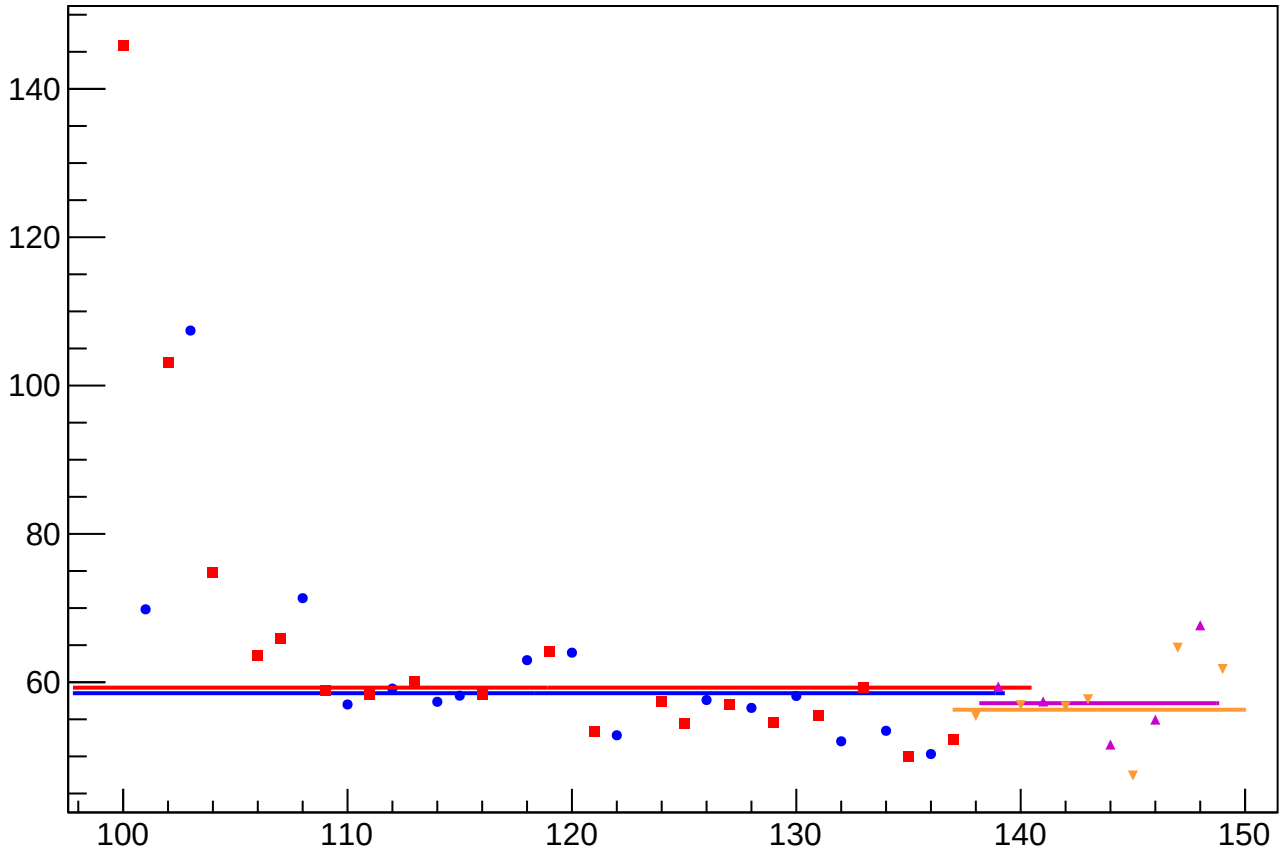
Left: -74.847+/-18.290 χ^2/NDF: 19.1/11

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -22.763+/-17.244 χ^2/NDF:39.0/20

Out: -10.293+/-16.423 χ^2/NDF:37.4/25

All: -16.224+/-11.893 χ^2/NDF: 76.7/46



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.294+/-0.017 χ^2/NDF:98920.2/6

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: 56.683+/-0.013 χ^2/NDF: 166605.7/11

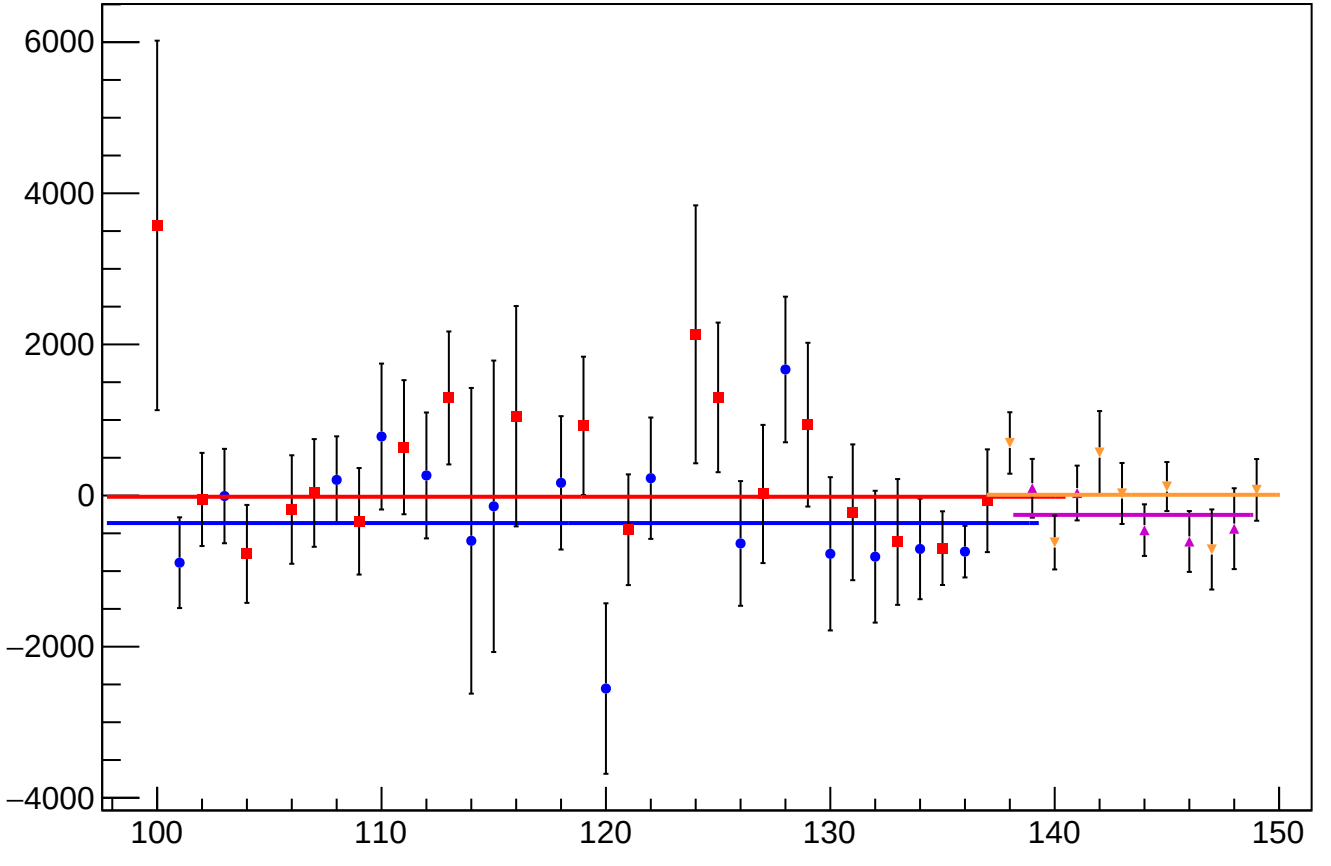
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.992+/-0.012 χ^2/NDF:462194.5/20

Out: 57.931+/-0.012 χ^2/NDF:520788.2/25

All: 57.960+/-0.008 χ^2/NDF: 982996.0/46

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: 9.918+/-153.559 χ^2/NDF:9.0/6

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: -105.348+/-115.573 χ^2/NDF: 13.0/11

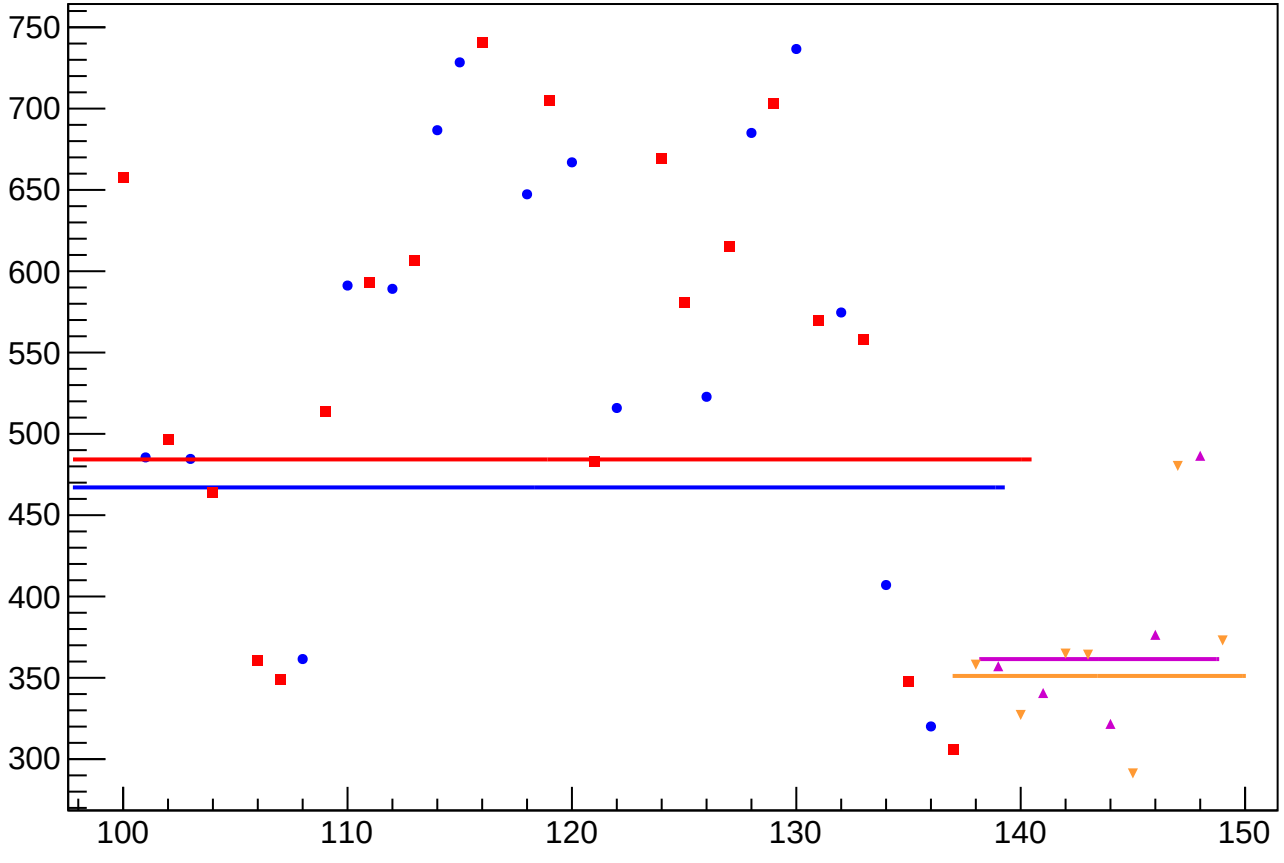
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -308.453+/-125.871 χ^2/NDF:18.1/20

Out: -0.782+/-117.804 χ^2/NDF:24.2/25

All: -144.443+/-86.011 χ^2/NDF: 45.4/46

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: 351.149+/-0.109 χ^2/NDF:205638.6/6

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 361.508+/-0.124 χ^2/NDF:146005.3/4

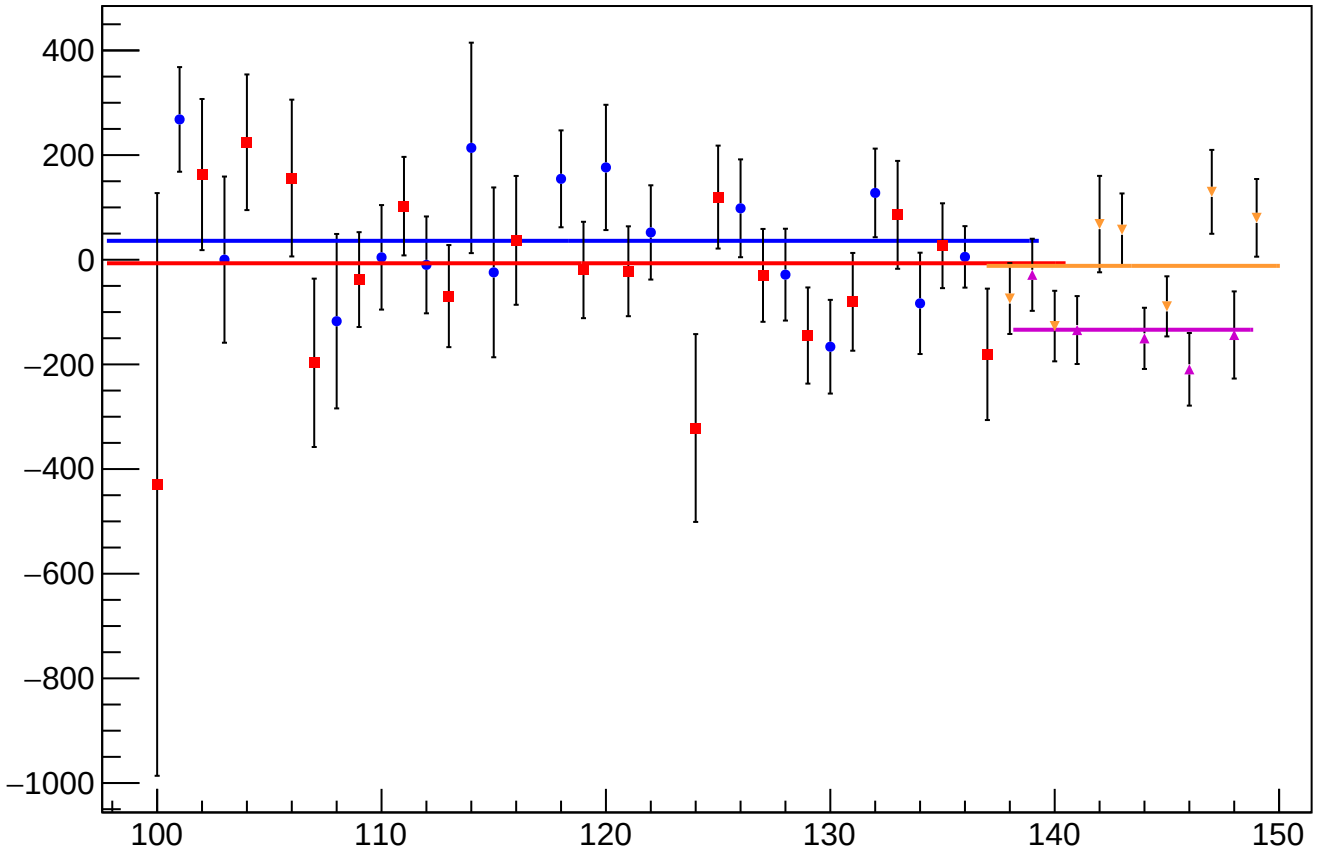
Left: 355.640+/-0.082 χ^2/NDF: 355589.9/11

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 412.784+/-0.089 χ^2/NDF:1527673.9/20

Out: 405.925+/-0.083 χ^2/NDF:1712928.0/25

All: 409.128+/-0.061 χ^2/NDF: 3243767.7/46



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -11.679+/-26.686 χ^2/NDF:12.0/6

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: -65.097+/-20.013 χ^2/NDF: 24.7/11

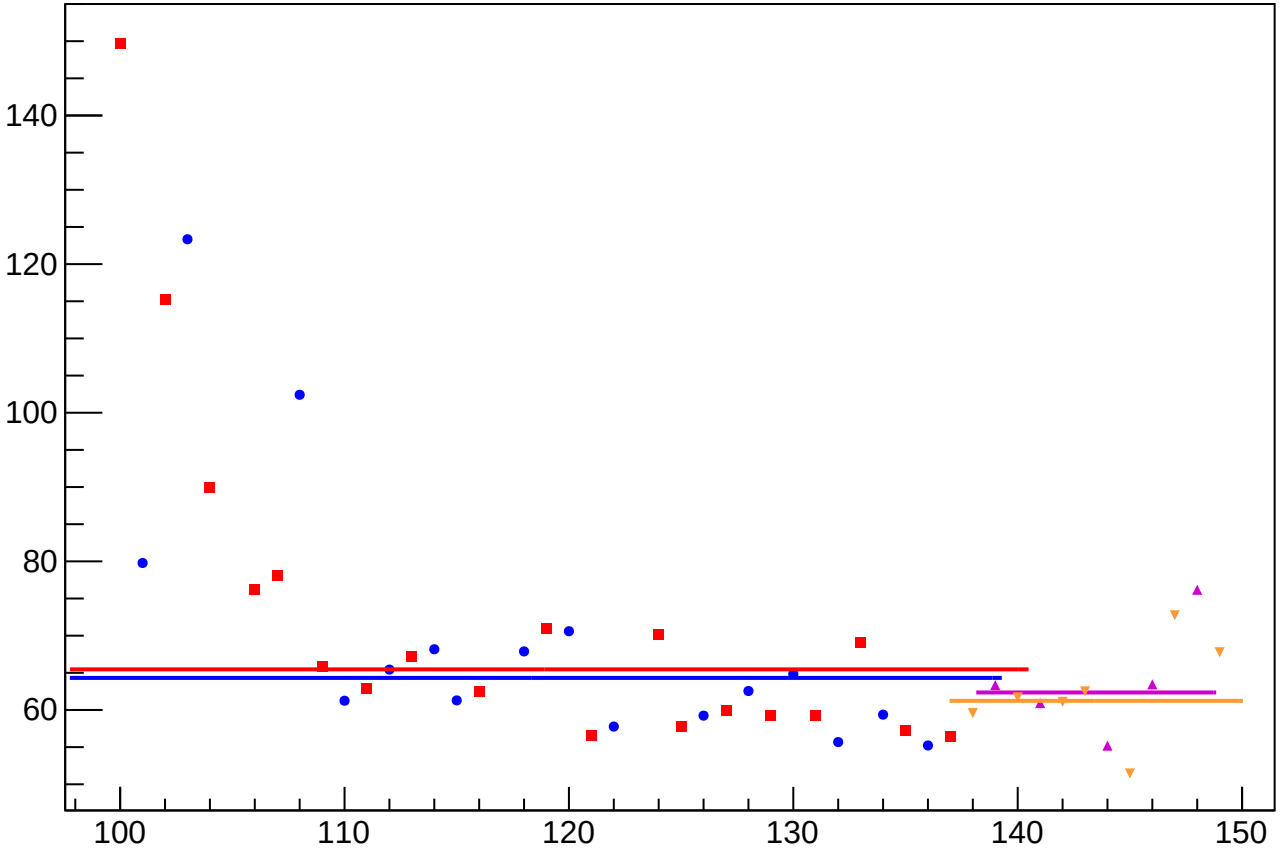
Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -31.042+/-19.027 χ^2/NDF:42.3/20

Out: -9.002+/-18.073 χ^2/NDF:32.3/25

All: -19.456+/-13.104 χ^2/NDF: 75.4/46

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.233+/-0.019 χ^2/NDF:116666.6/6

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.356+/-0.021 χ^2/NDF:86942.9/4

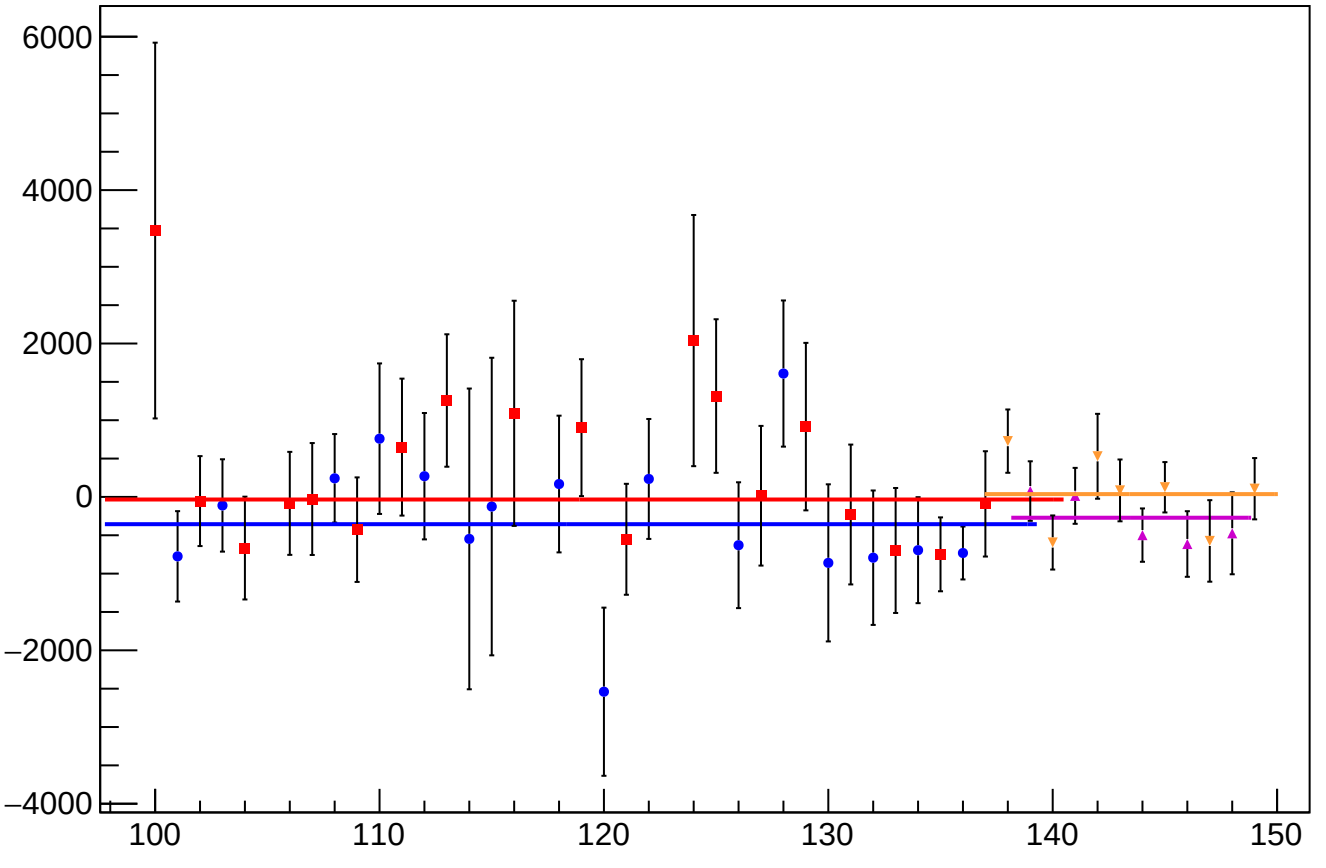
Left: 61.725+/-0.014 χ^2/NDF: 205160.2/11

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.541+/-0.013 χ^2/NDF:624081.3/20

Out: 63.524+/-0.013 χ^2/NDF:626268.0/25

All: 63.532+/-0.009 χ^2/NDF: 1250350.1/46



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: 36.591+/-153.542 χ^2/NDF:8.2/6

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -271.376+/-178.464 χ^2/NDF:2.6/4

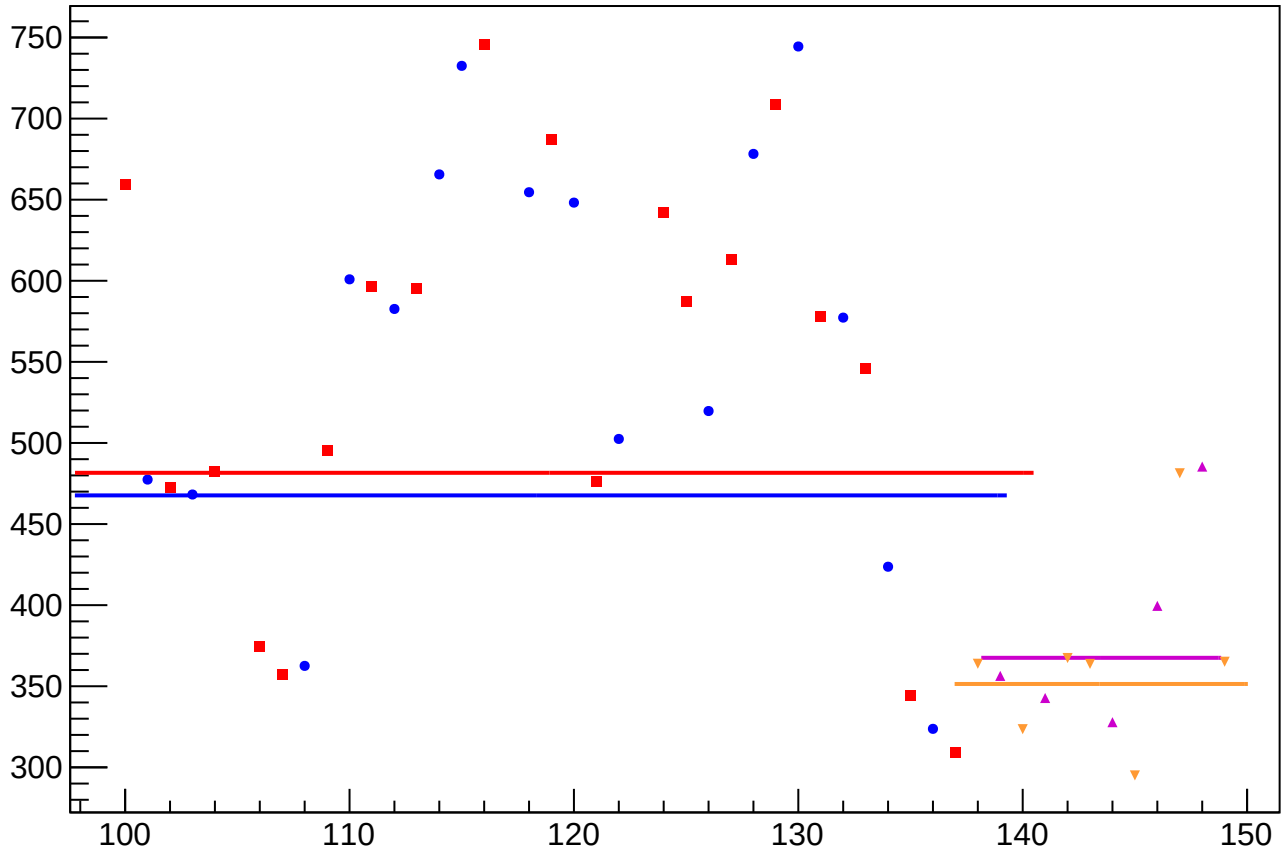
Left: -94.404+/-116.393 χ^2/NDF: 12.6/11

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -313.014+/-126.849 χ^2/NDF:17.5/20

Out: 7.246+/-117.239 χ^2/NDF:23.7/25

All: -140.295+/-86.098 χ^2/NDF: 44.7/46



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 351.404+/-0.109 χ^2/NDF:198716.5/6

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 367.533+/-0.126 χ^2/NDF:145572.9/4

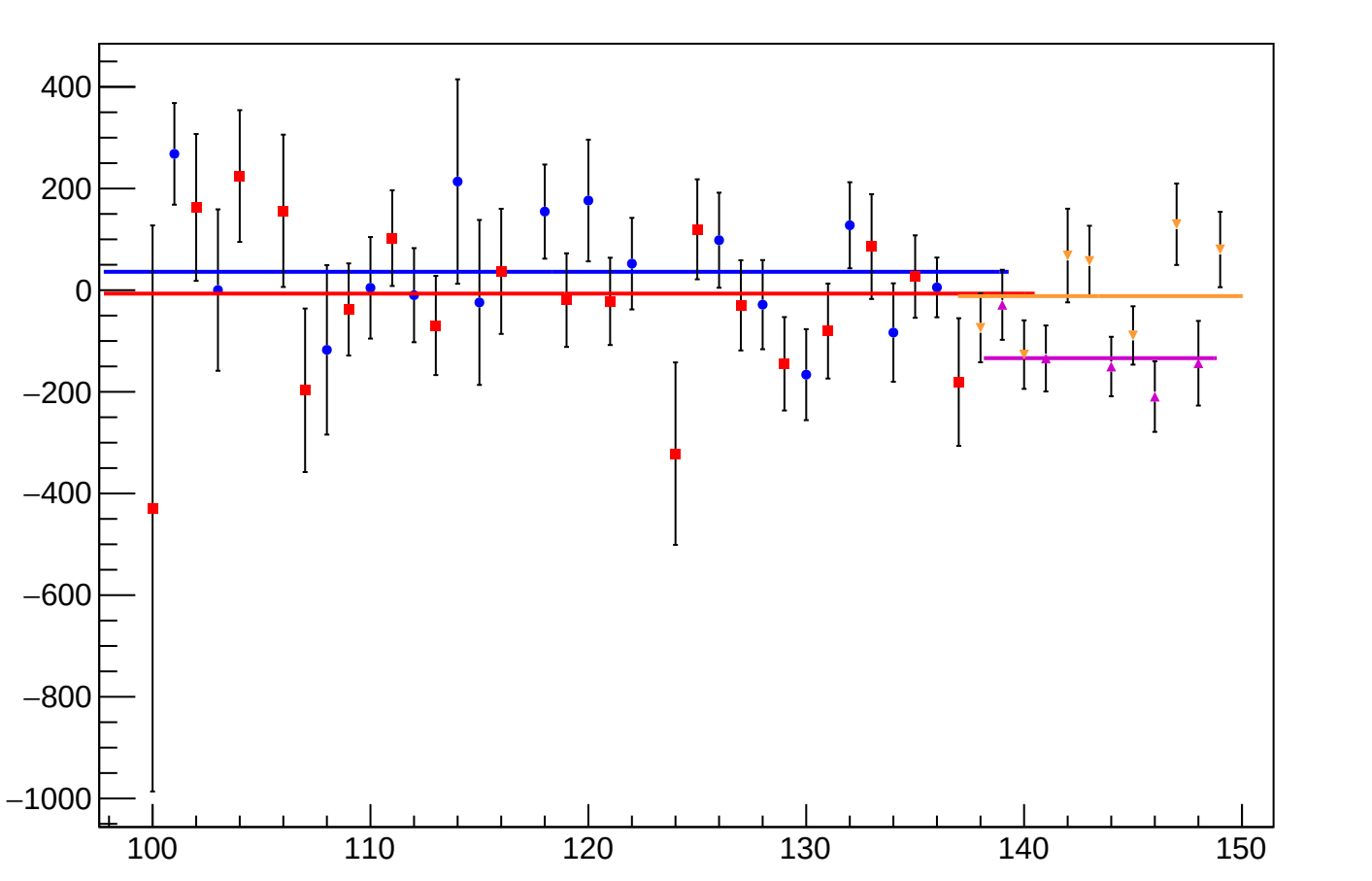
Left: 358.265+/-0.082 χ^2/NDF: 353676.0/11

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 417.081+/-0.090 χ^2/NDF:1443102.1/20

Out: 405.692+/-0.083 χ^2/NDF:1652605.8/25

All: 410.939+/-0.061 χ^2/NDF: 3104404.1/46



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -11.678+/-26.686 χ^2/NDF:12.0/6

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.761+/-30.256 χ^2/NDF:3.6/4

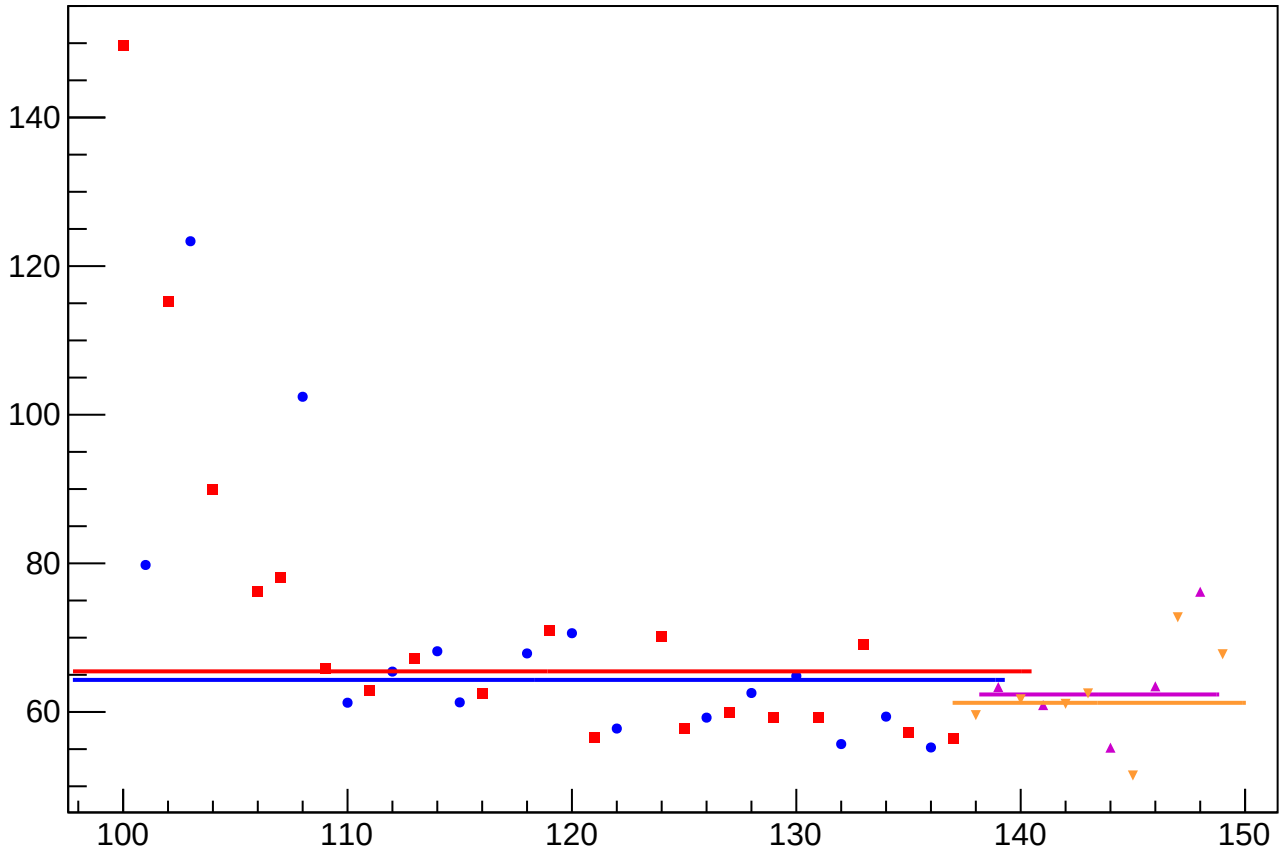
Left: -65.096+/-20.013 χ^2/NDF: 24.7/11

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -31.041+/-19.027 χ^2/NDF:42.3/20

Out: -9.002+/-18.073 χ^2/NDF:32.3/25

All: -19.456+/-13.104 χ^2/NDF: 75.4/46



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.233+/-0.019 χ^2/NDF:116669.3/6

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: 61.725+/-0.014 χ^2/NDF: 205164.9/11

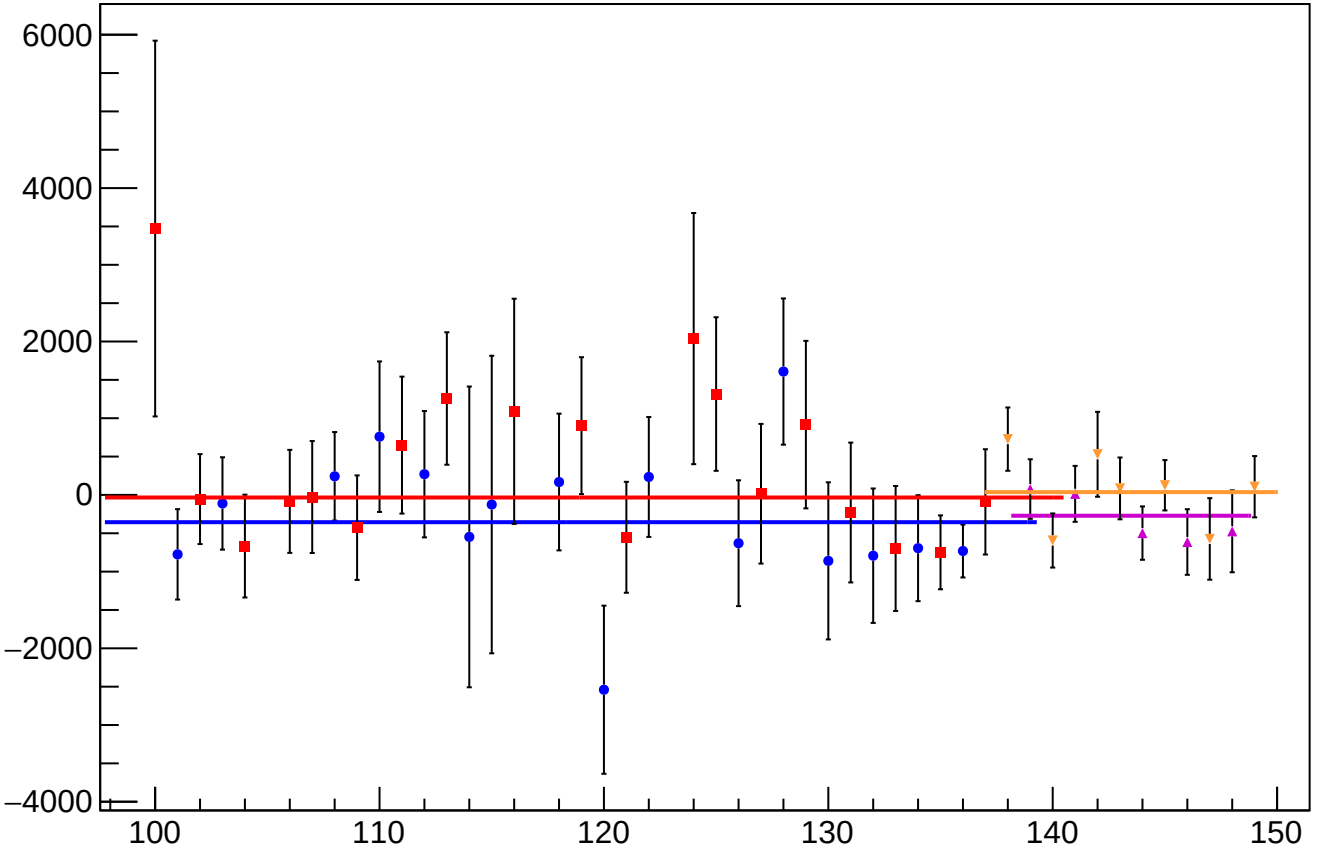
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.541+/-0.013 χ^2/NDF:624091.0/20

Out: 63.524+/-0.013 χ^2/NDF:626274.7/25

All: 63.532+/-0.009 χ^2/NDF: 1250366.5/46

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: 36.591+/-153.542 χ^2/NDF:8.2/6

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: -94.405+/-116.393 χ^2/NDF: 12.6/11

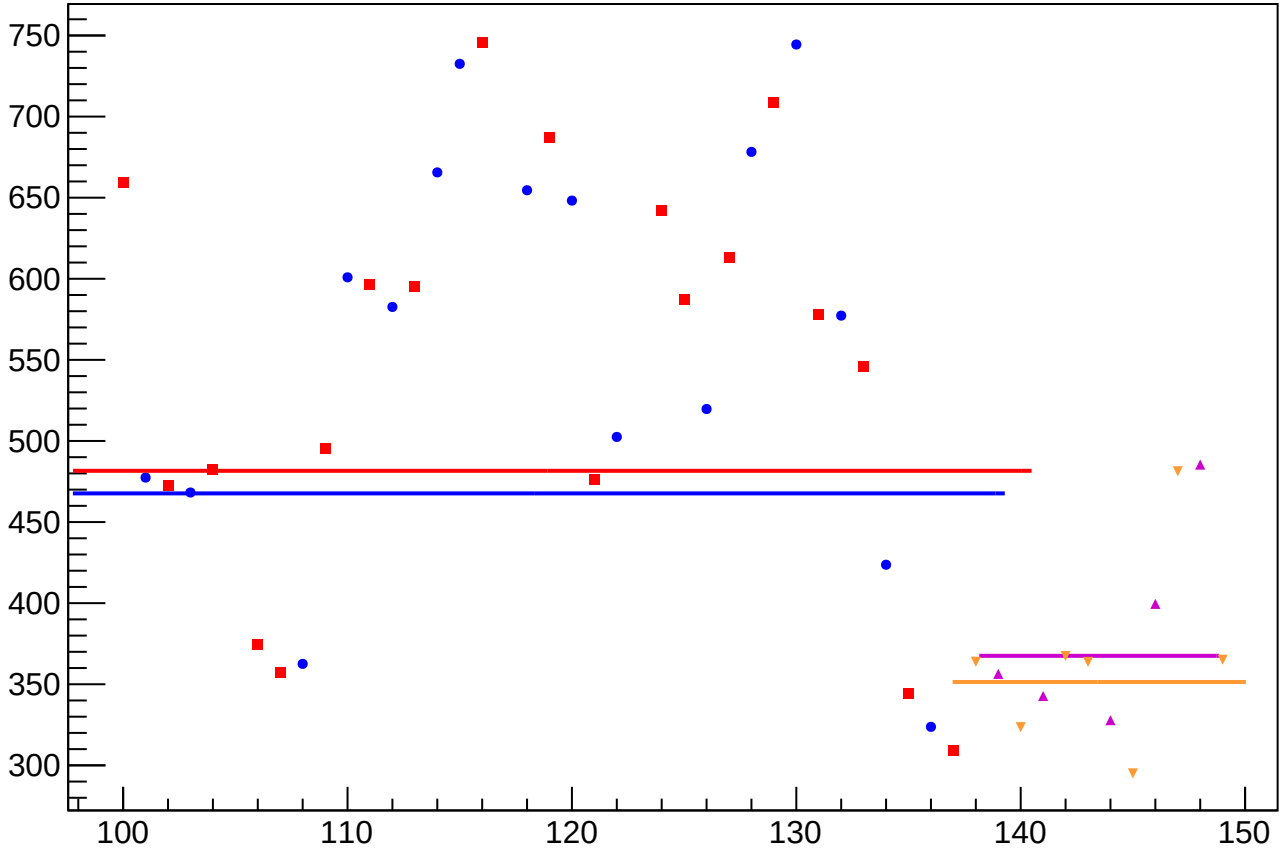
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -313.014+/-126.849 χ^2/NDF:17.5/20

Out: 7.246+/-117.239 χ^2/NDF:23.7/25

All: -140.295+/-86.098 χ^2/NDF: 44.7/46

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: 351.404+/-0.109 χ^2/NDF:198716.6/6

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: 358.265+/-0.082 χ^2/NDF: 353676.1/11

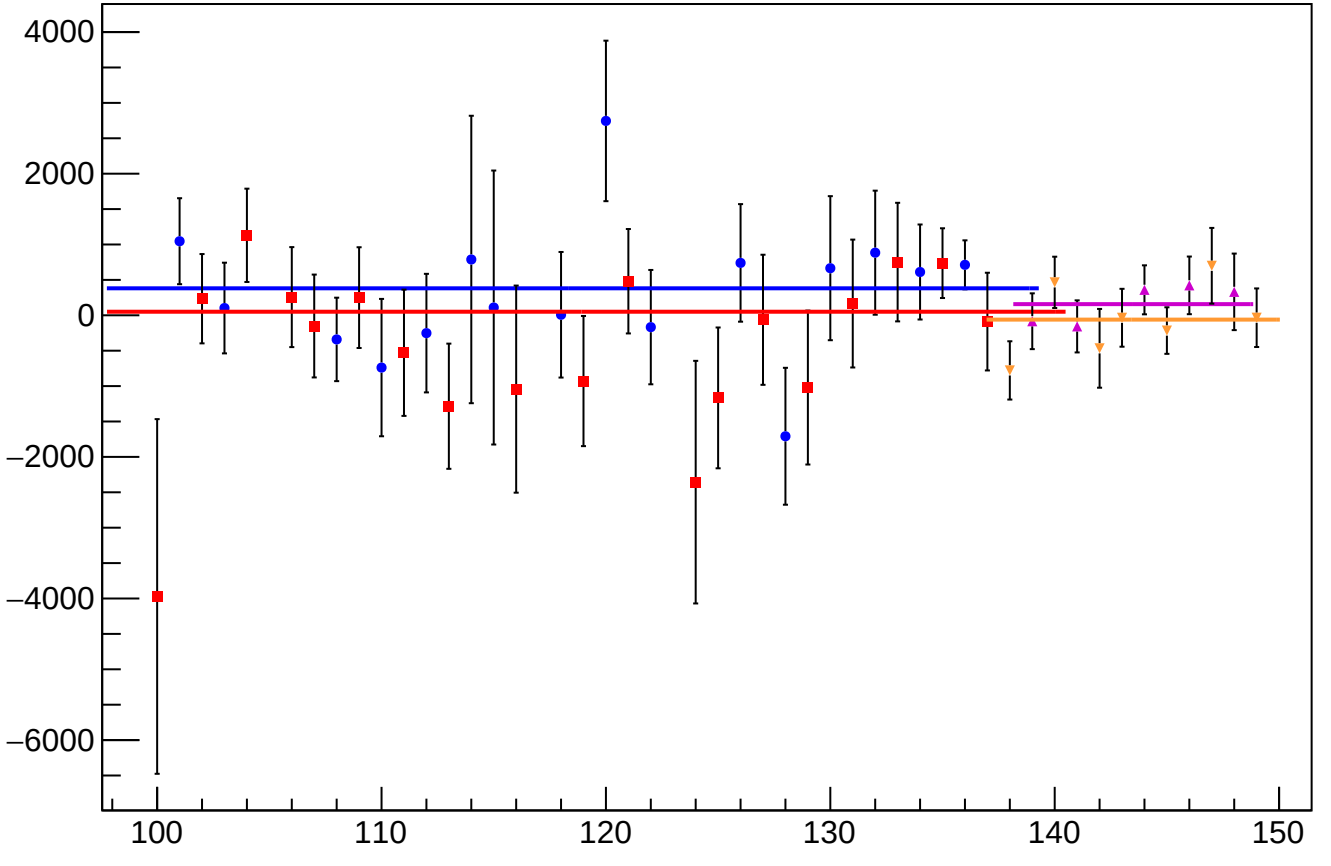
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 417.082+/-0.090 χ^2/NDF:1443097.0/20

Out: 405.692+/-0.083 χ^2/NDF:1652597.6/25

All: 410.939+/-0.061 χ^2/NDF: 3104391.0/46

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -61.029+/-155.557 χ^2/NDF:7.9/6

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: 33.759+/-117.063 χ^2/NDF: 10.8/11

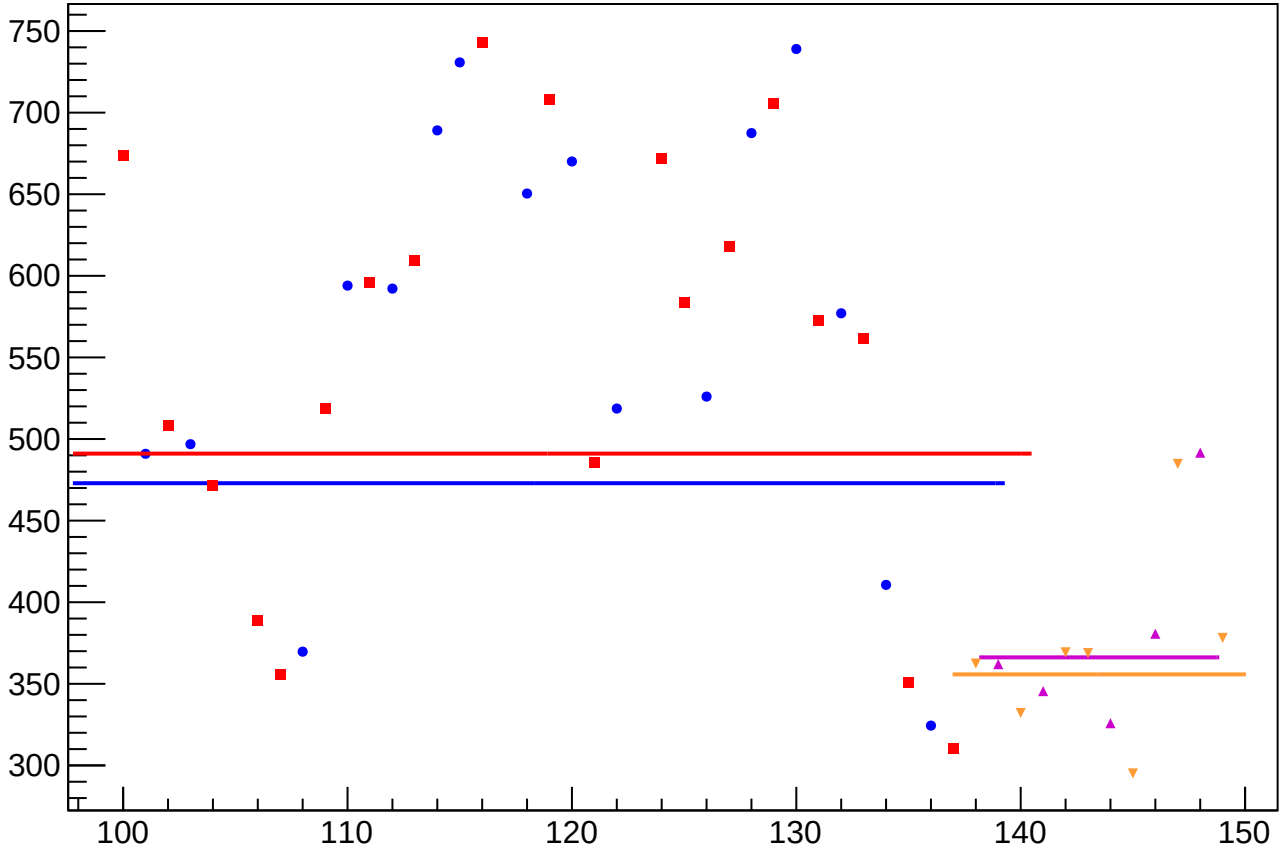
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 266.277+/-127.391 χ^2/NDF:18.9/20

Out: -14.956+/-119.130 χ^2/NDF:25.6/25

All: 116.247+/-87.012 χ^2/NDF: 47.1/46

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 355.788+/-0.110 χ^2/NDF:202483.5/6

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: 360.311+/-0.083 χ^2/NDF: 350355.2/11

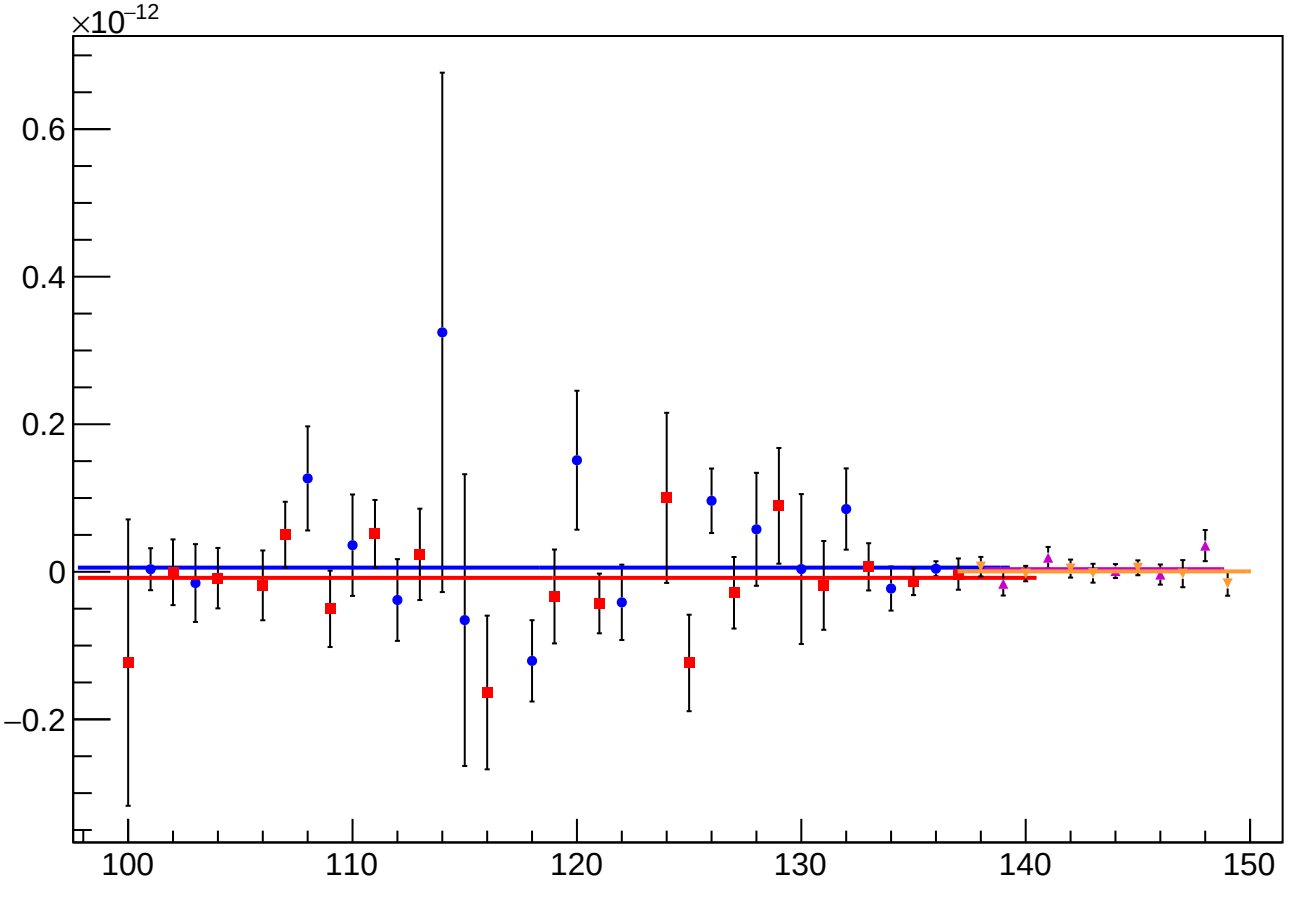
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 418.122+/-0.090 χ^2/NDF:1494803.5/20

Out: 411.724+/-0.084 χ^2/NDF:1675385.7/25

All: 414.709+/-0.062 χ^2/NDF: 3172880.7/46

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/4

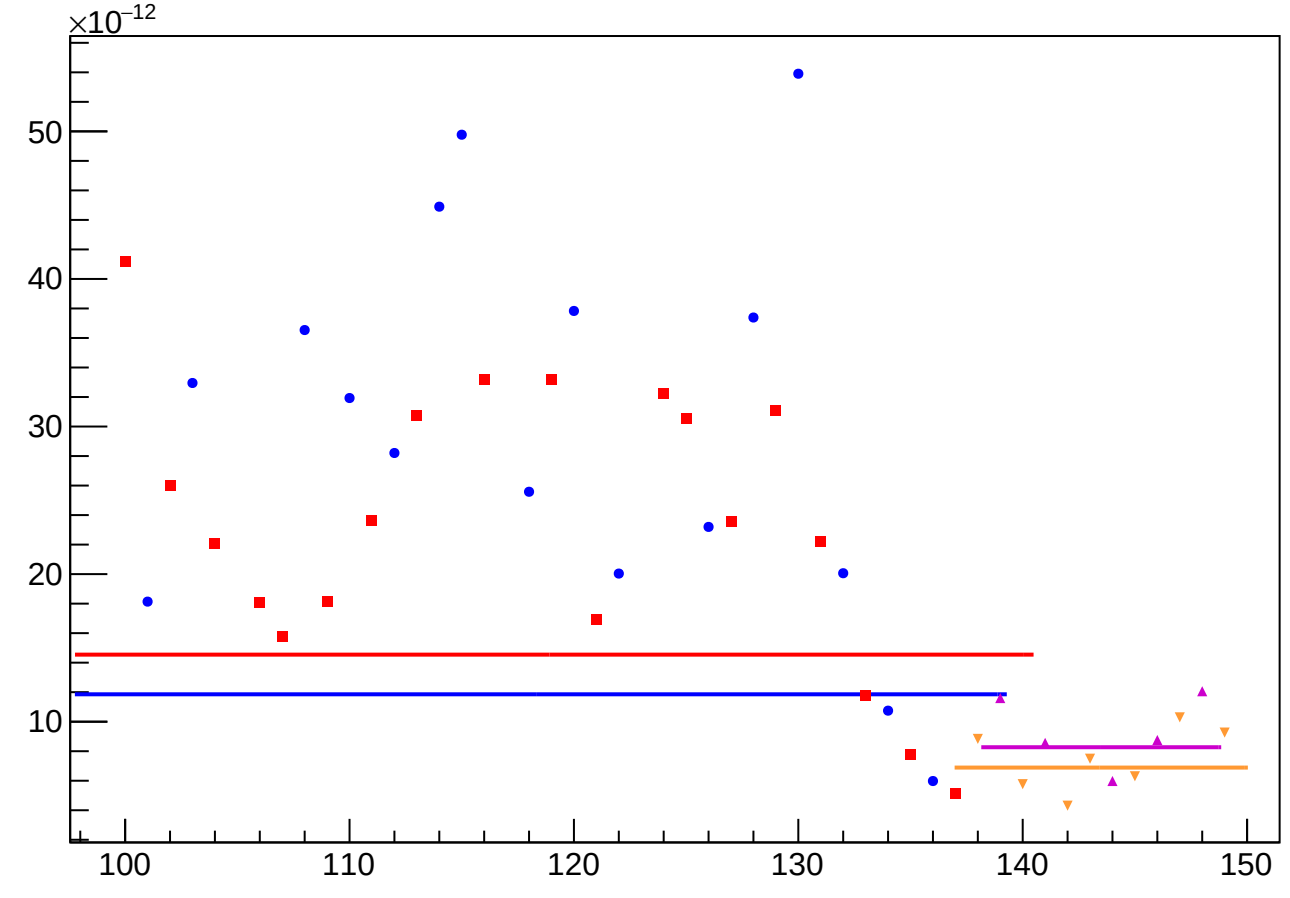
Left: 0.000+/-0.000 χ^2/NDF: 7.1/11

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:16.4/25

All: 0.000+/-0.000 χ^2/NDF: 43.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:275920.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:271483.8/4

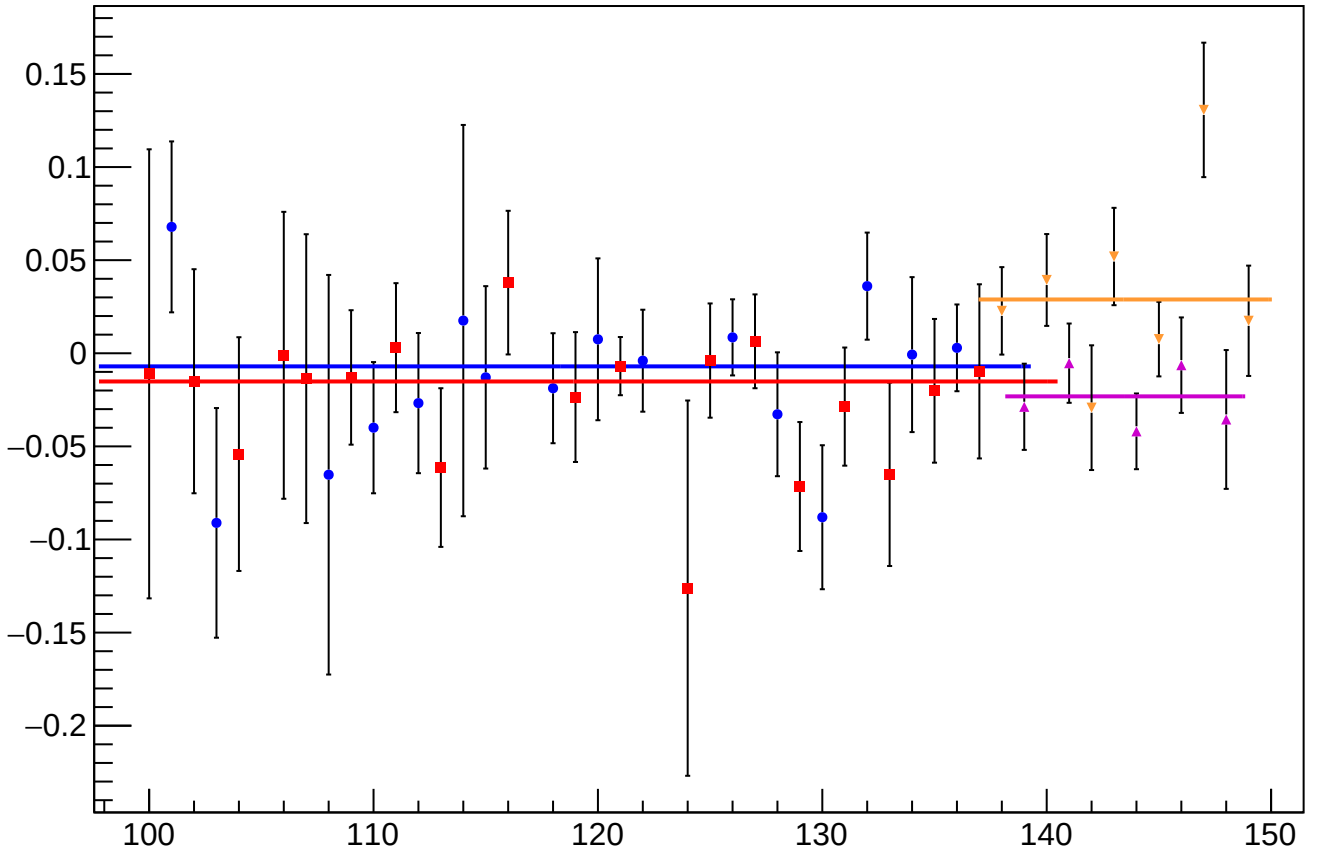
Left: 0.000+/-0.000 χ^2/NDF: 611615.4/11

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3371649.0/20

Out: 0.000+/-0.000 χ^2/NDF:3120327.8/25

All: 0.000+/-0.000 χ^2/NDF: 6547109.4/46



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.010 χ^2/NDF:13.3/6

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.023+/-0.011 χ^2/NDF:2.2/4

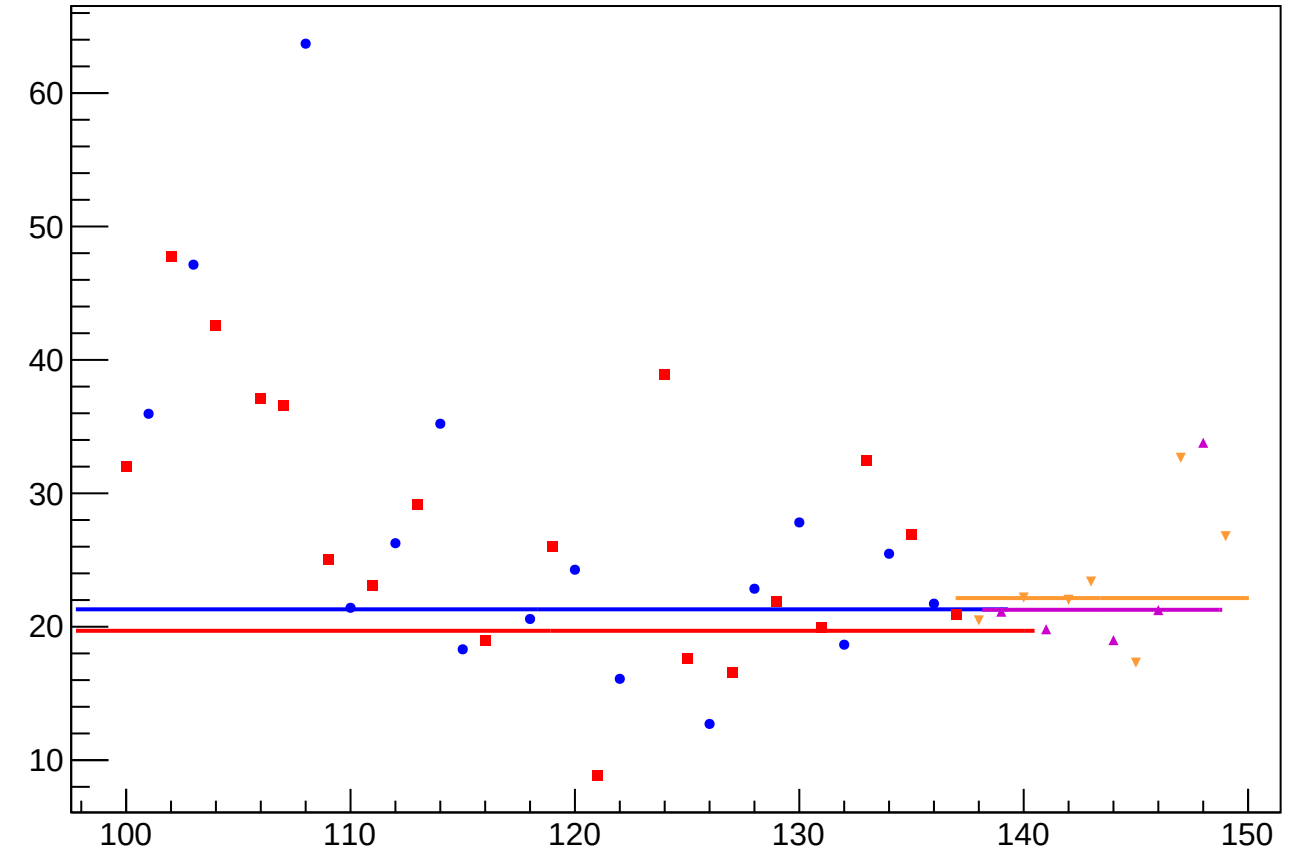
Left: 0.005+/-0.007 χ^2/NDF: 28.2/11

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.9/20

Out: 0.003+/-0.006 χ^2/NDF:35.1/25

All: -0.005+/-0.005 χ^2/NDF: 56.0/46



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.148+/-0.007 χ^2/NDF:350176.1/6

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.271+/-0.008 χ^2/NDF:260132.8/4

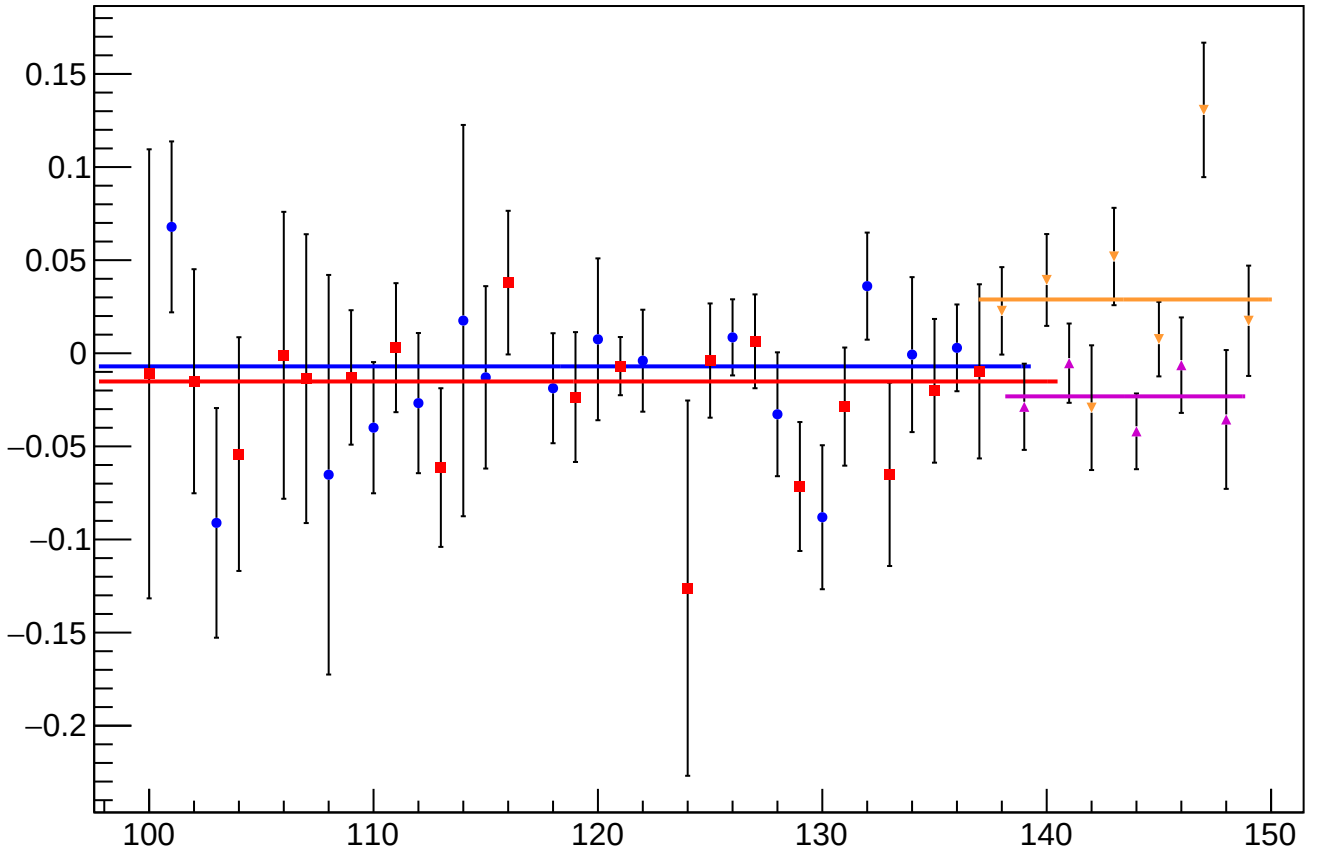
Left: 21.744+/-0.005 χ^2/NDF: 617553.6/11

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.292+/-0.005 χ^2/NDF:1739543.8/20

Out: 20.698+/-0.004 χ^2/NDF:2861730.6/25

All: 20.977+/-0.003 χ^2/NDF: 4609546.5/46



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.010 χ^2/NDF:13.3/6

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: 0.005+/-0.007 χ^2/NDF: 28.2/11

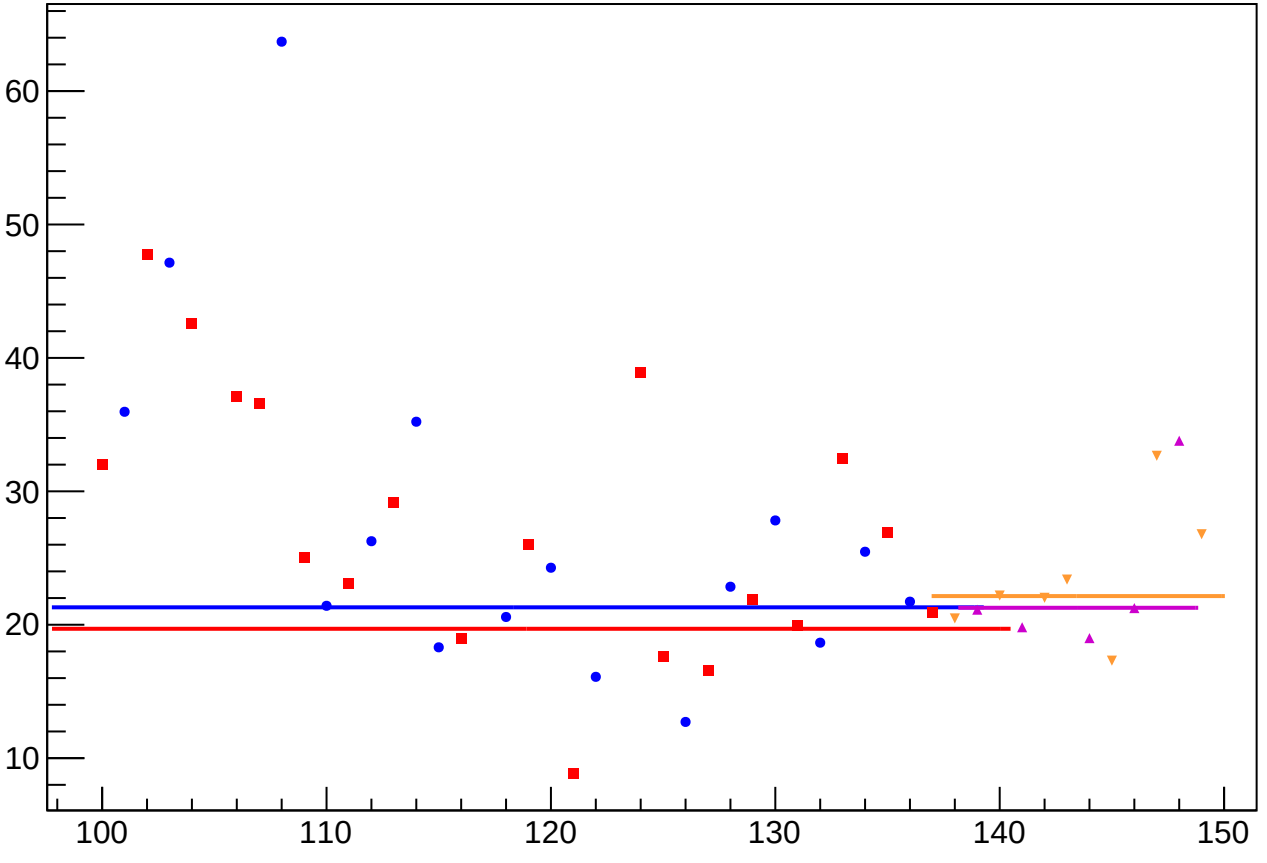
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.9/20

Out: 0.003+/-0.006 χ^2/NDF:35.1/25

All: -0.005+/-0.005 χ^2/NDF: 56.0/46

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: 22.148+/-0.007 χ^2/NDF:350176.1/6

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.271+/-0.008 χ^2/NDF:260132.8/4

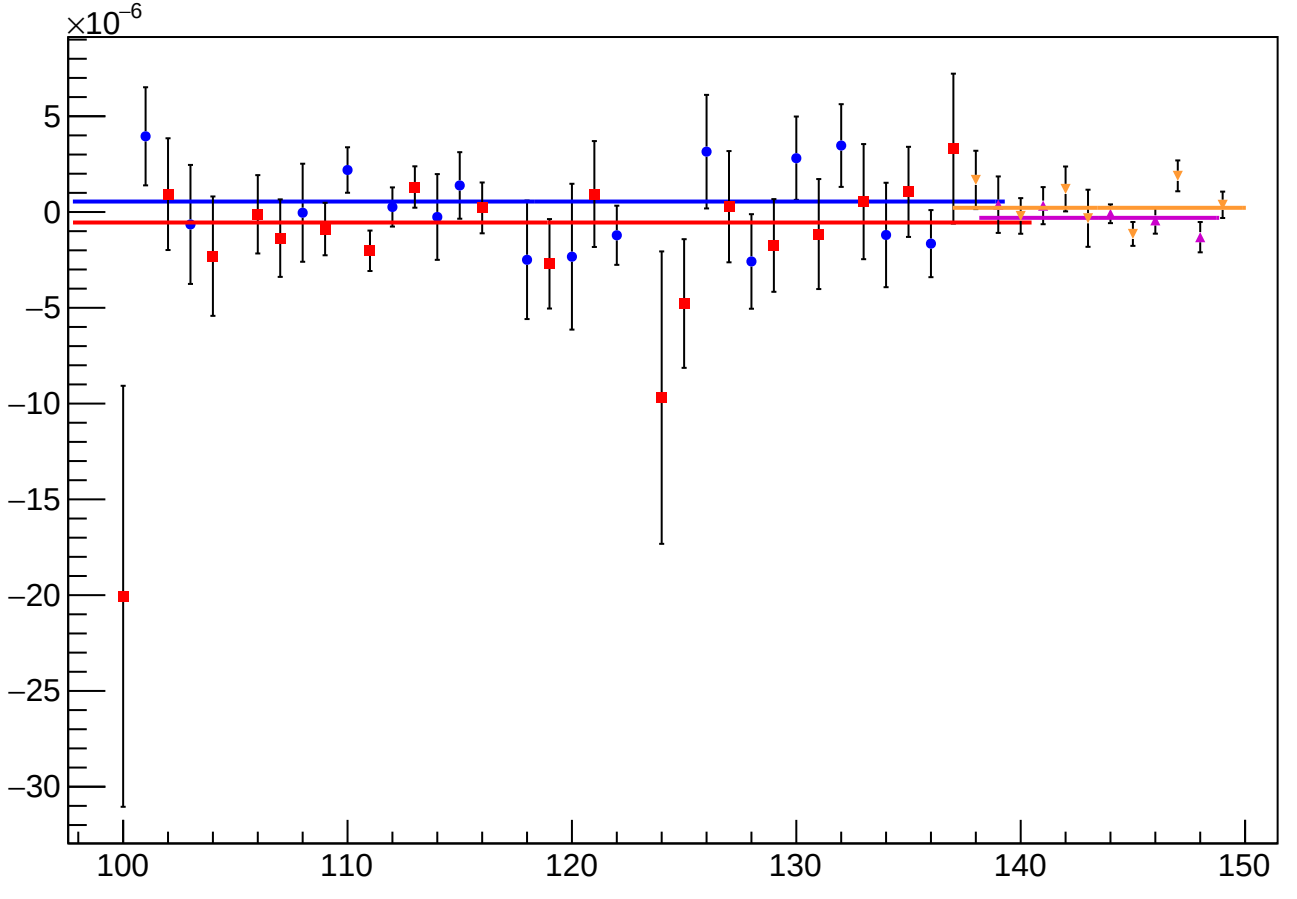
Left: 21.744+/-0.005 χ^2/NDF: 617553.6/11

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.292+/-0.005 χ^2/NDF:1739543.8/20

Out: 20.698+/-0.004 χ^2/NDF:2861730.6/25

All: 20.977+/-0.003 χ^2/NDF: 4609546.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/4

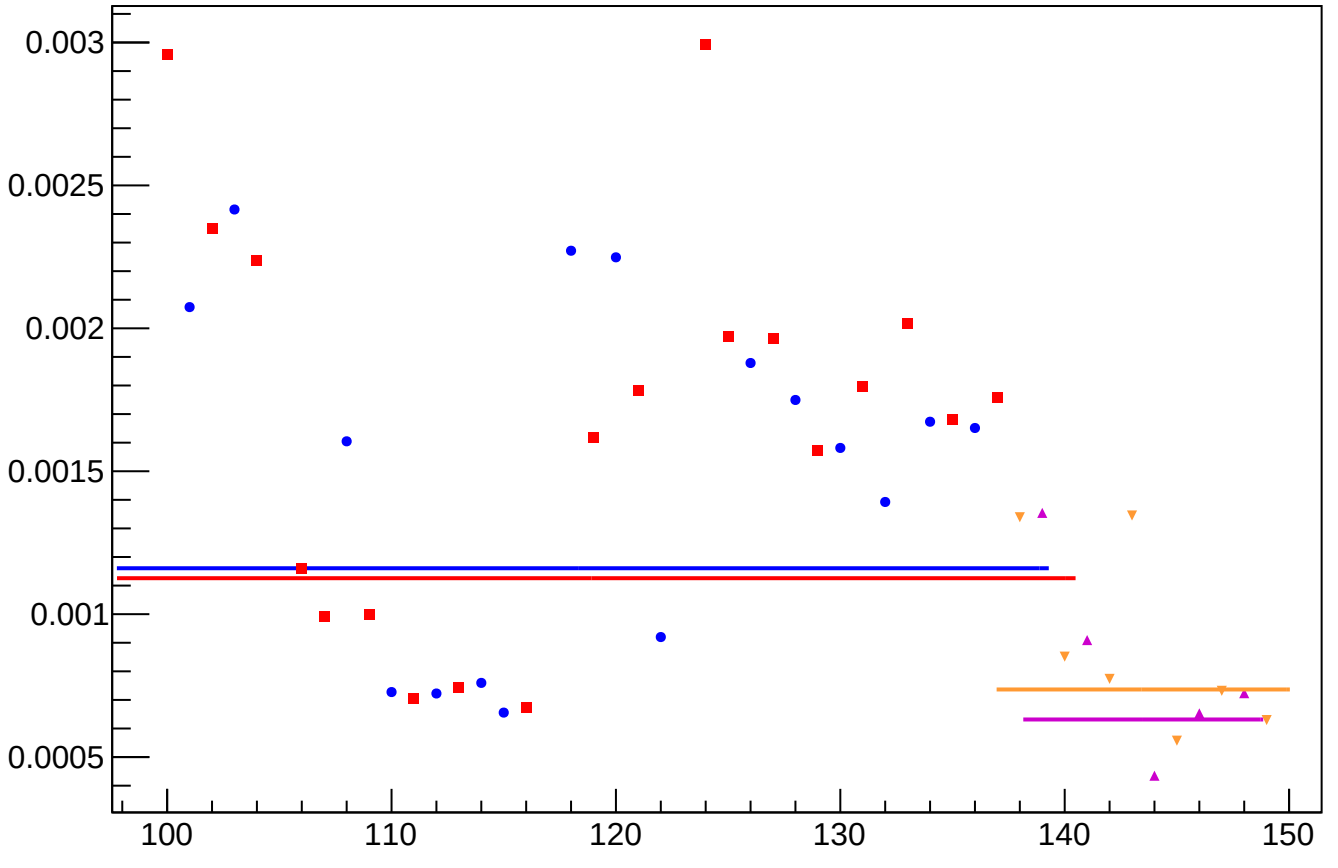
Left: -0.000+/-0.000 χ^2/NDF: 14.8/11

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:28.2/25

All: -0.000+/-0.000 χ^2/NDF: 47.4/46



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:892583.9/6

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:997188.9/4

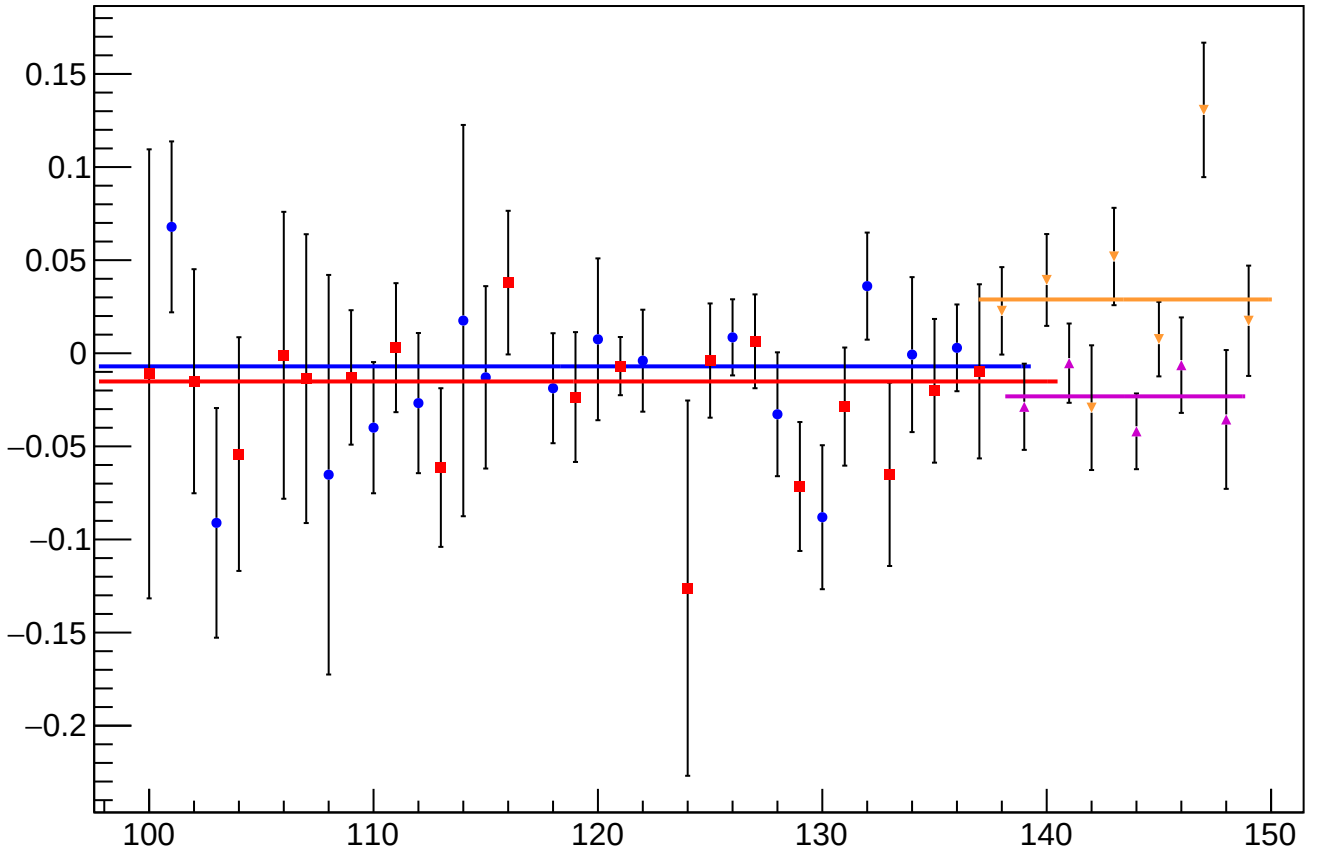
Left: 0.001+/-0.000 χ^2/NDF: 1990893.8/11

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:4459125.8/25

All: 0.001+/-0.000 χ^2/NDF: 9727815.7/46



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.010 χ^2/NDF:13.3/6

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: 0.005+/-0.007 χ^2/NDF: 28.2/11

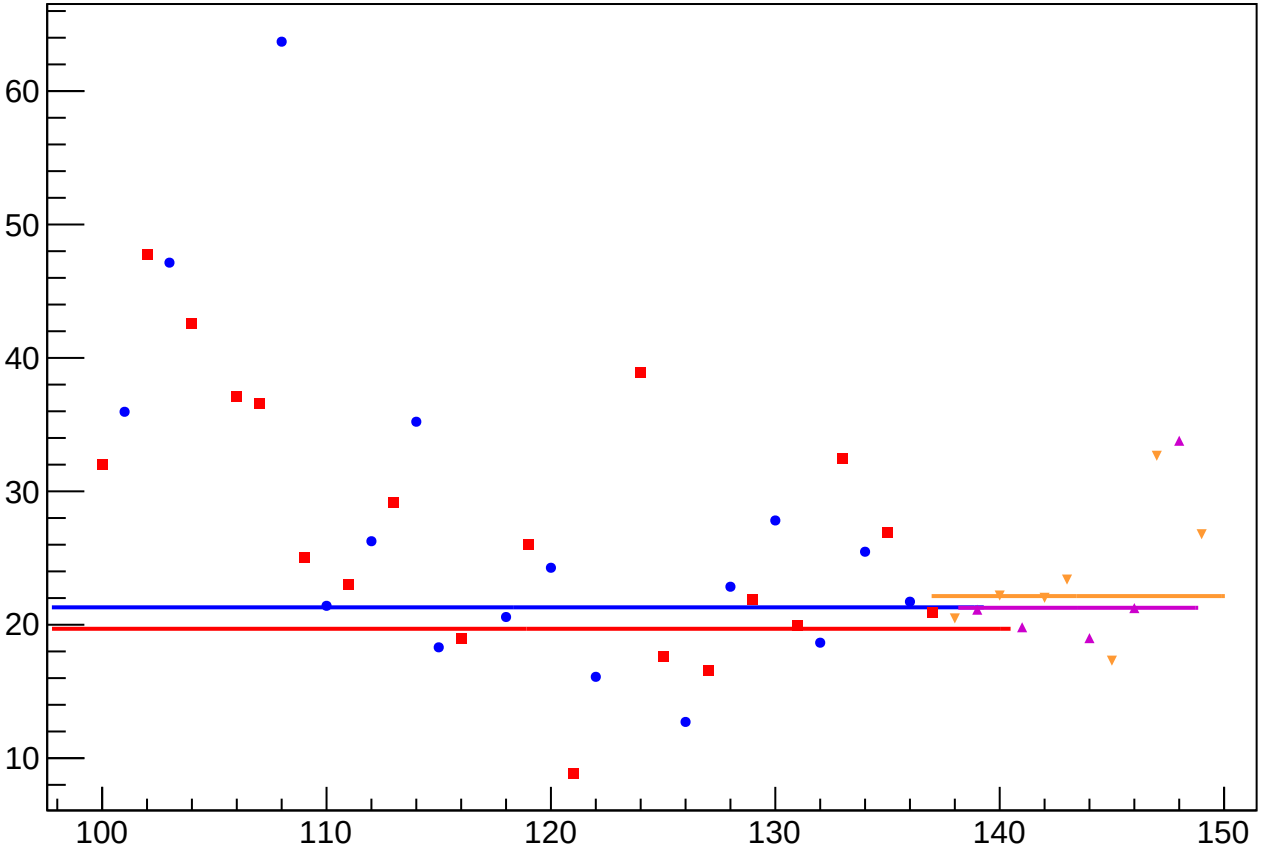
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.9/20

Out: 0.003+/-0.006 χ^2/NDF:35.1/25

All: -0.005+/-0.005 χ^2/NDF: 56.0/46

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.148+/-0.007 χ^2/NDF:350204.5/6

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

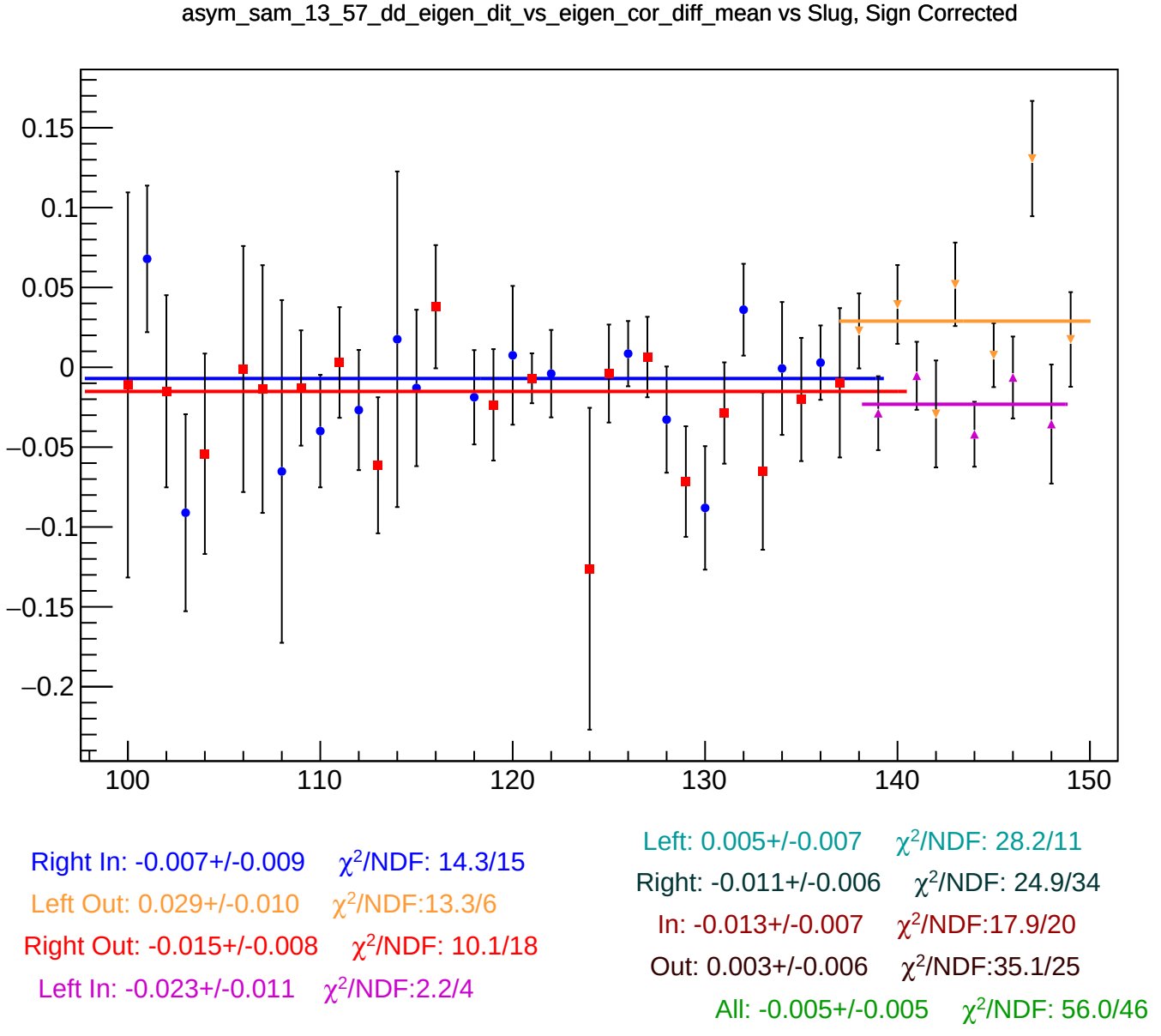
Left: 21.744+/-0.005 χ^2/NDF: 617588.3/11

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

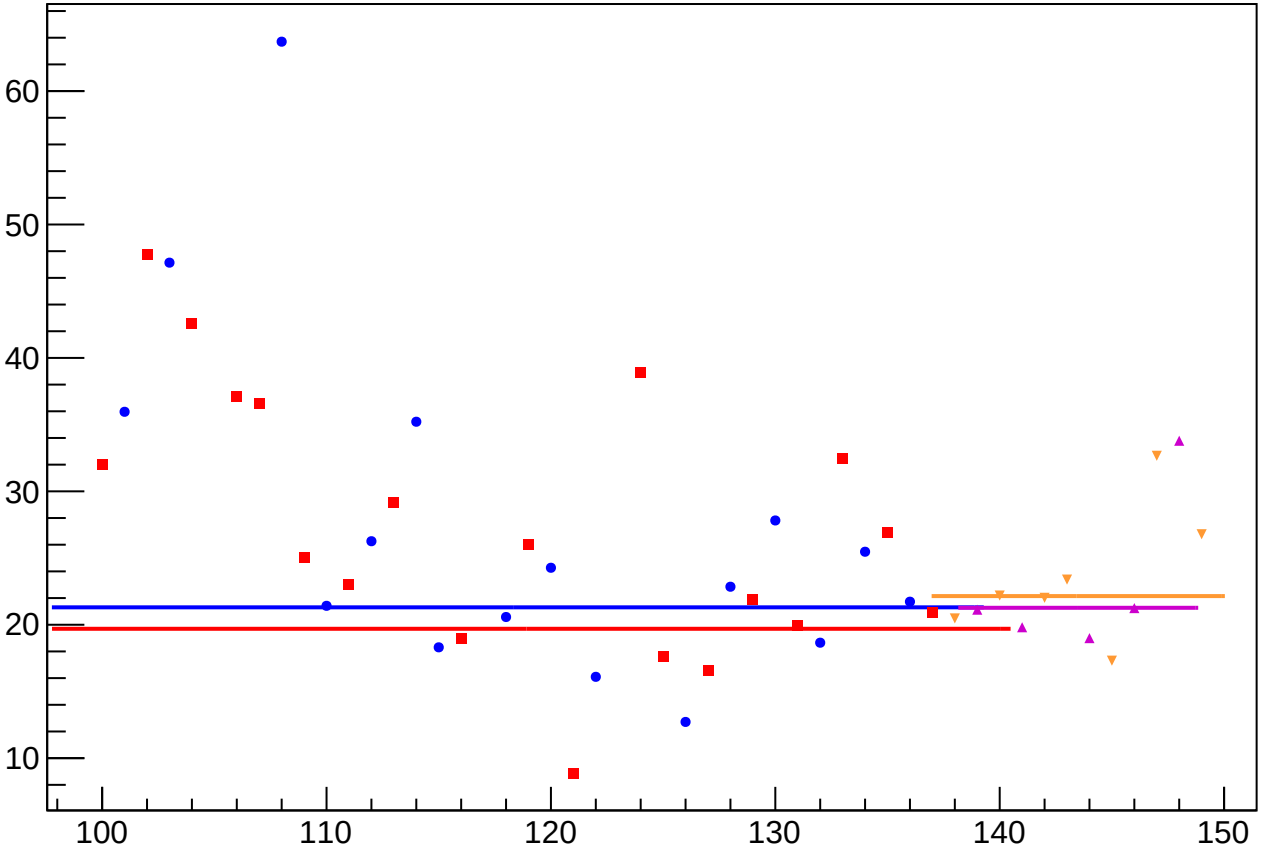
In: 21.292+/-0.005 χ^2/NDF:1739385.4/20

Out: 20.699+/-0.004 χ^2/NDF:2861358.8/25

All: 20.978+/-0.003 χ^2/NDF: 4609011.1/46


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: 0.029+/-0.010 χ²/NDF:13.3/6
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.023+/-0.011 χ²/NDF:2.2/4
Left: 0.005+/-0.007 χ²/NDF: 28.2/11
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.013+/-0.007 χ²/NDF:17.9/20
Out: 0.003+/-0.006 χ²/NDF:35.1/25
All: -0.005+/-0.005 χ²/NDF: 56.0/46

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: 22.148+/-0.007 χ^2/NDF:350204.5/6

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 21.271+/-0.008 χ^2/NDF:260141.2/4

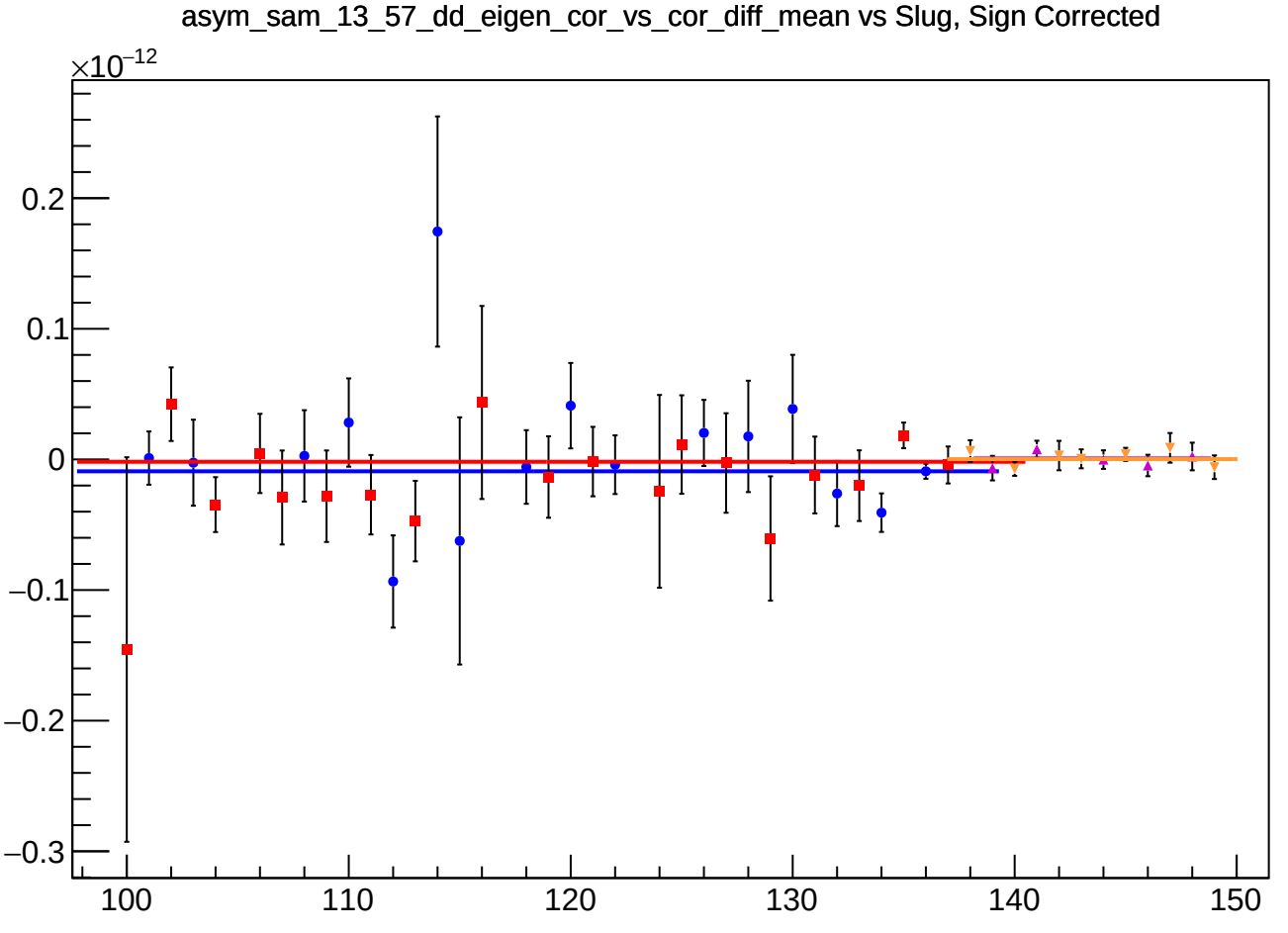
Left: 21.744+/-0.005 χ^2/NDF: 617588.3/11

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.292+/-0.005 χ^2/NDF:1739385.4/20

Out: 20.699+/-0.004 χ^2/NDF:2861358.8/25

All: 20.978+/-0.003 χ^2/NDF: 4609011.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/6

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: 6.4/11

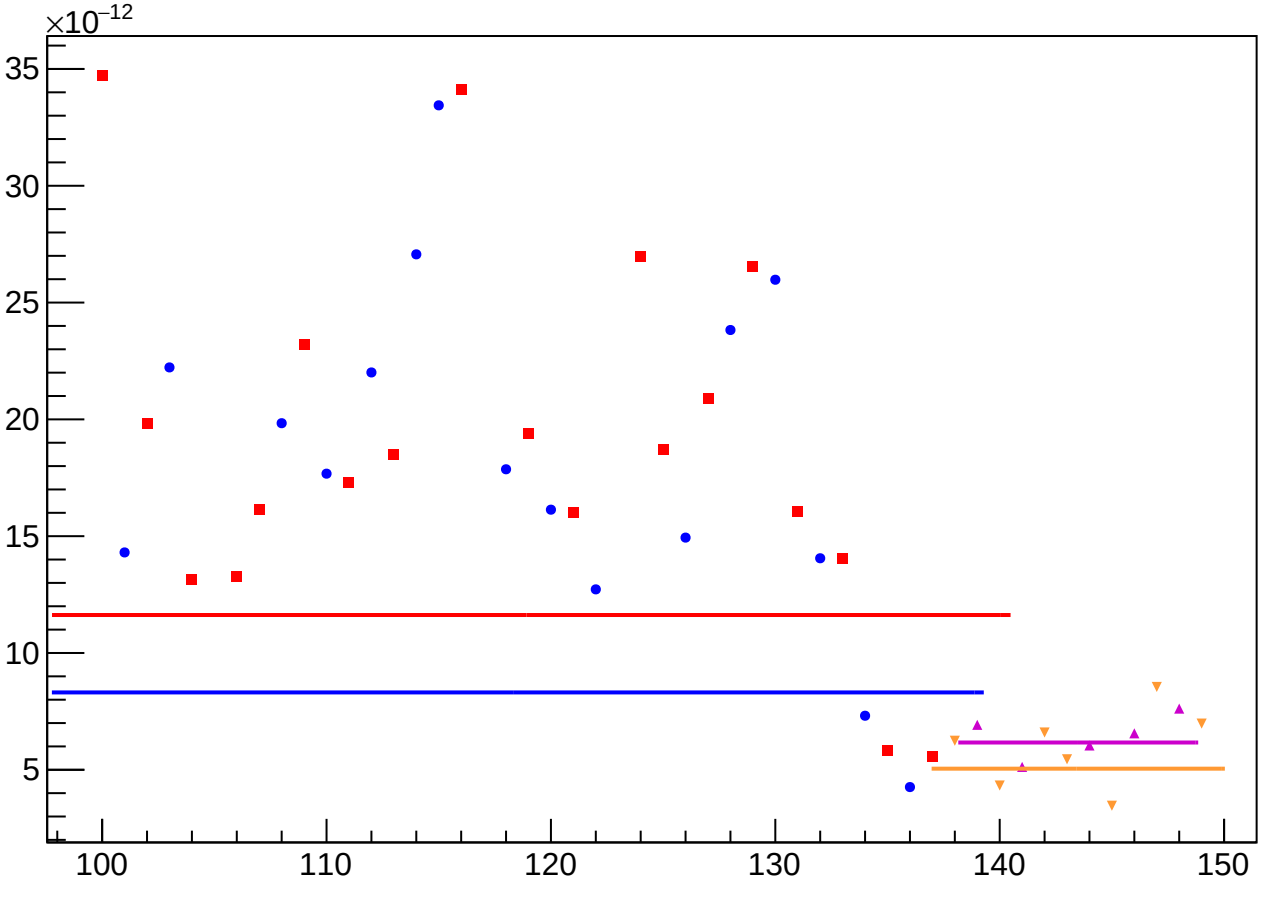
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:27.8/20

Out: -0.000+/-0.000 χ^2/NDF:21.2/25

All: -0.000+/-0.000 χ^2/NDF: 49.6/46

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:603622.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:107656.4/4

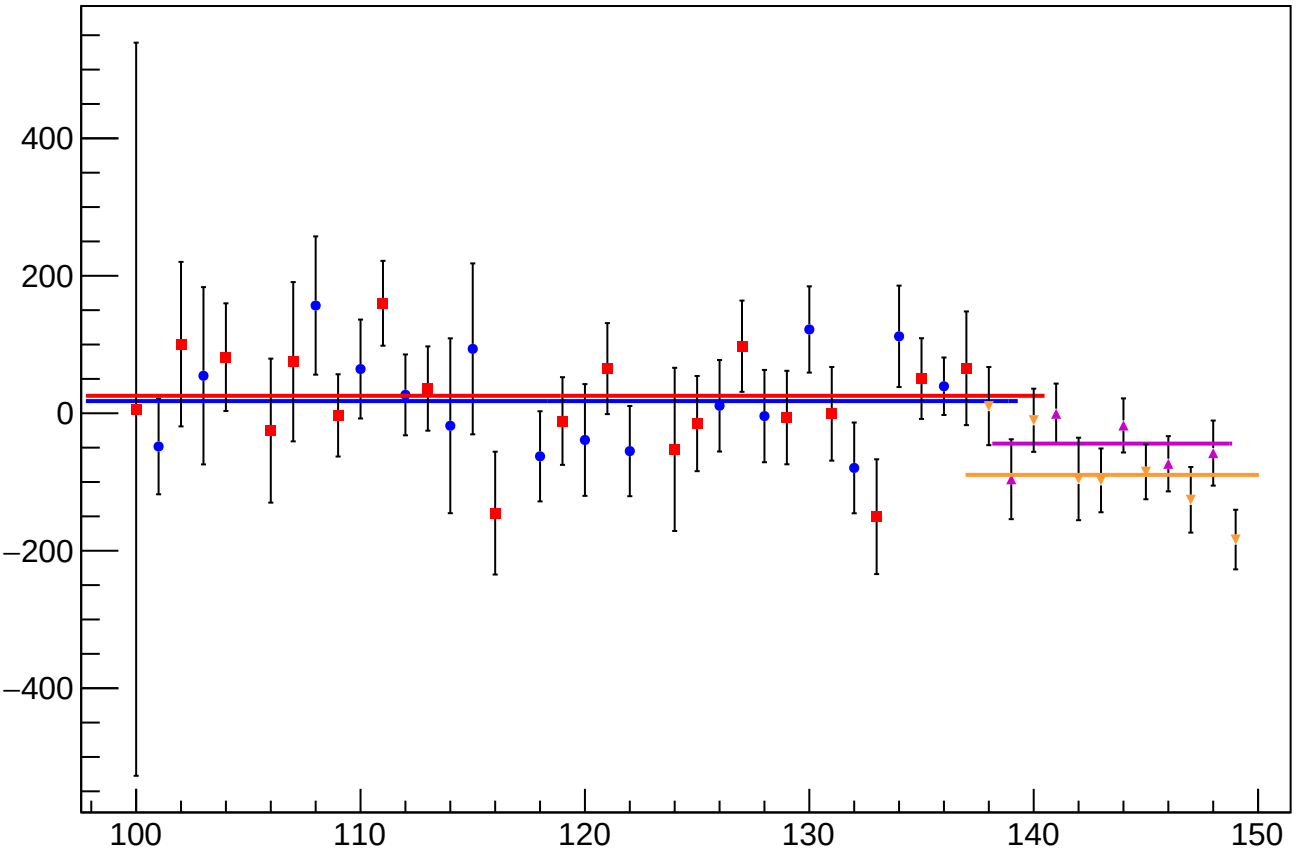
Left: 0.000+/-0.000 χ^2/NDF: 836182.4/11

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:5395414.7/25

All: 0.000+/-0.000 χ^2/NDF: 9590930.6/46



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -89.606+/-17.899 χ^2/NDF:11.4/6

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -44.113+/-19.888 χ^2/NDF:2.8/4

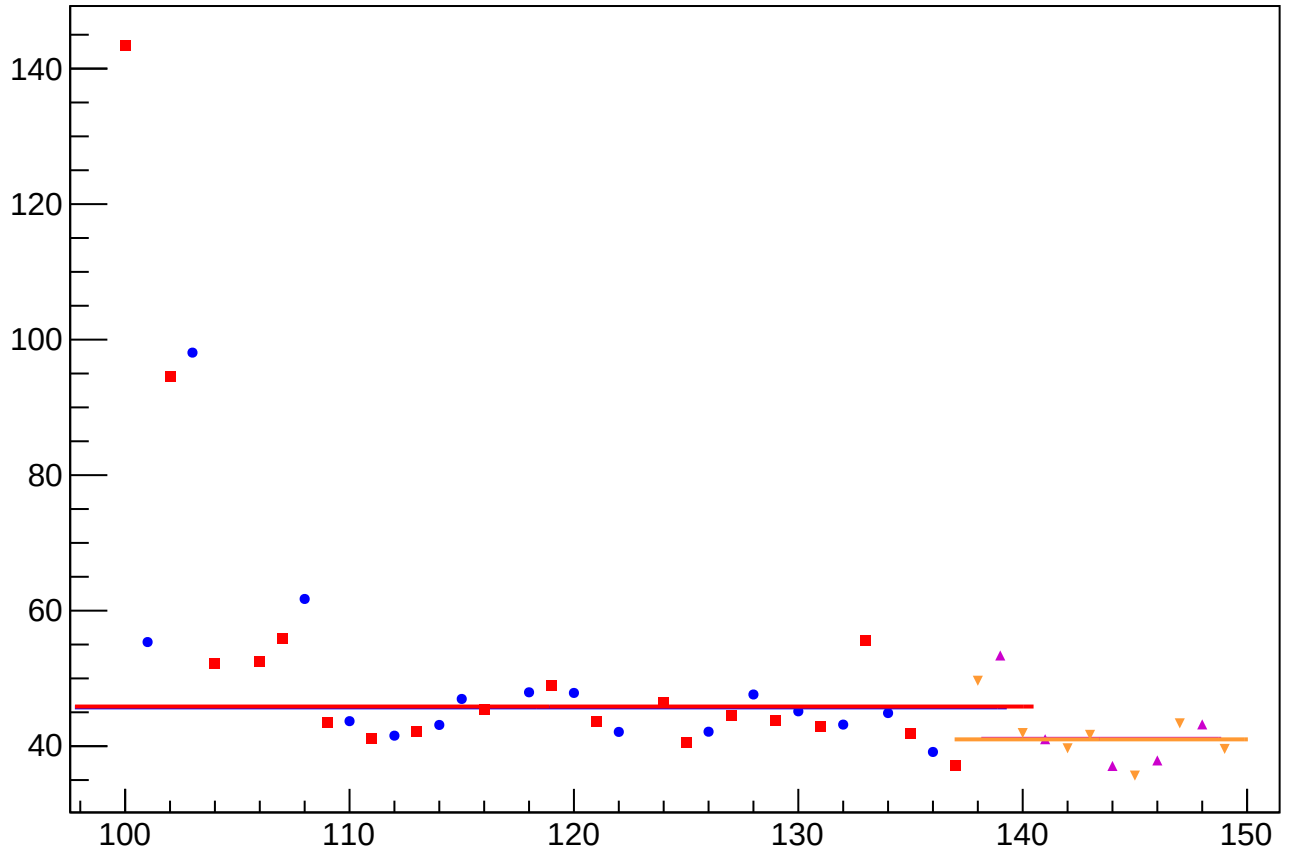
Left: -69.247+/-13.304 χ^2/NDF: 17.2/11

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -9.222+/-13.125 χ^2/NDF:22.2/20

Out: -30.247+/-12.453 χ^2/NDF:50.6/25

All: -20.287+/-9.034 χ^2/NDF: 74.2/46



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.005+/-0.013 χ^2/NDF:91247.3/6

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

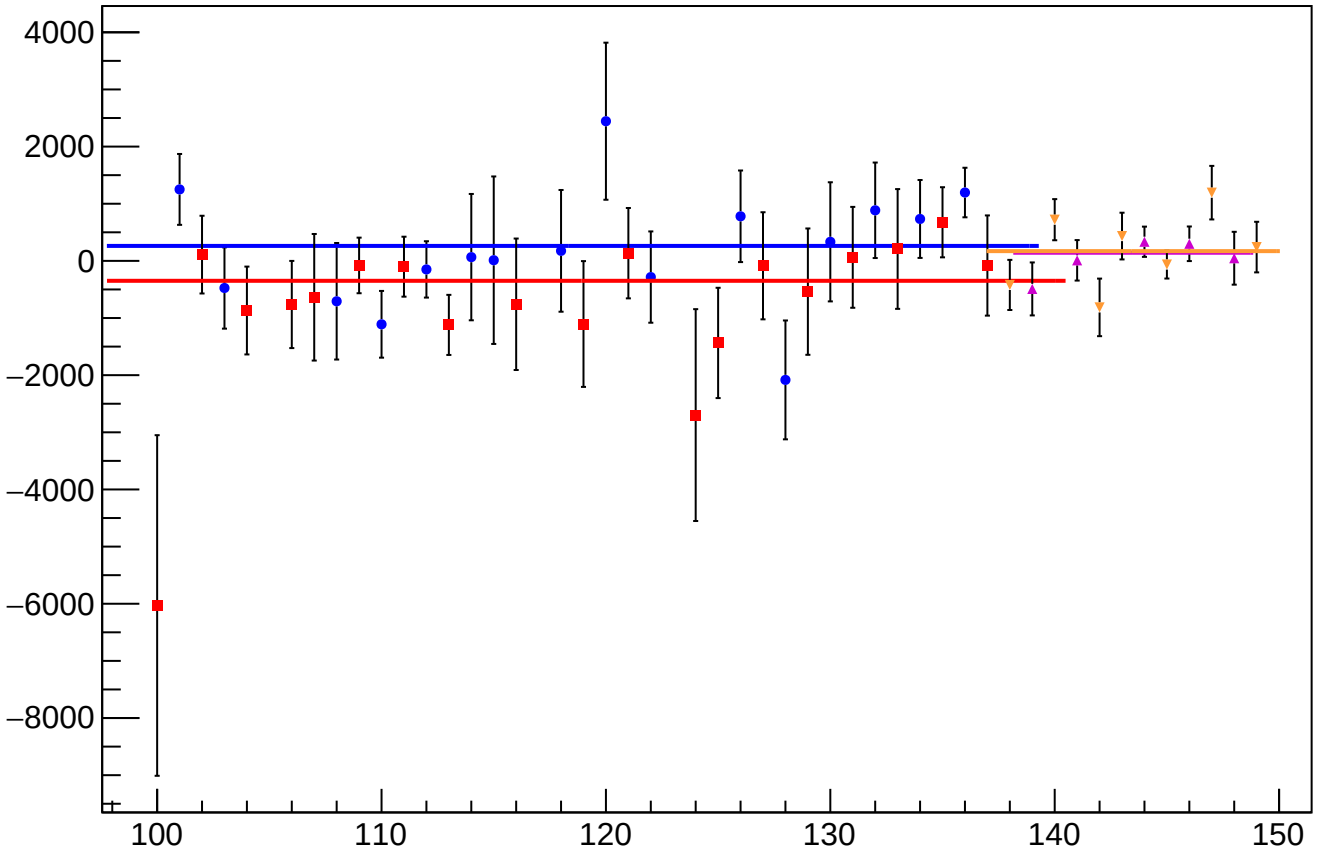
Left: 41.041+/-0.009 χ^2/NDF: 218202.4/11

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.705+/-0.009 χ^2/NDF:689866.7/20

Out: 43.504+/-0.009 χ^2/NDF:707000.9/25

All: 43.600+/-0.006 χ^2/NDF: 1397115.0/46



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 170.587+/-142.706 χ^2/NDF:14.1/6

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 142.464+/-153.410 χ^2/NDF:2.8/4

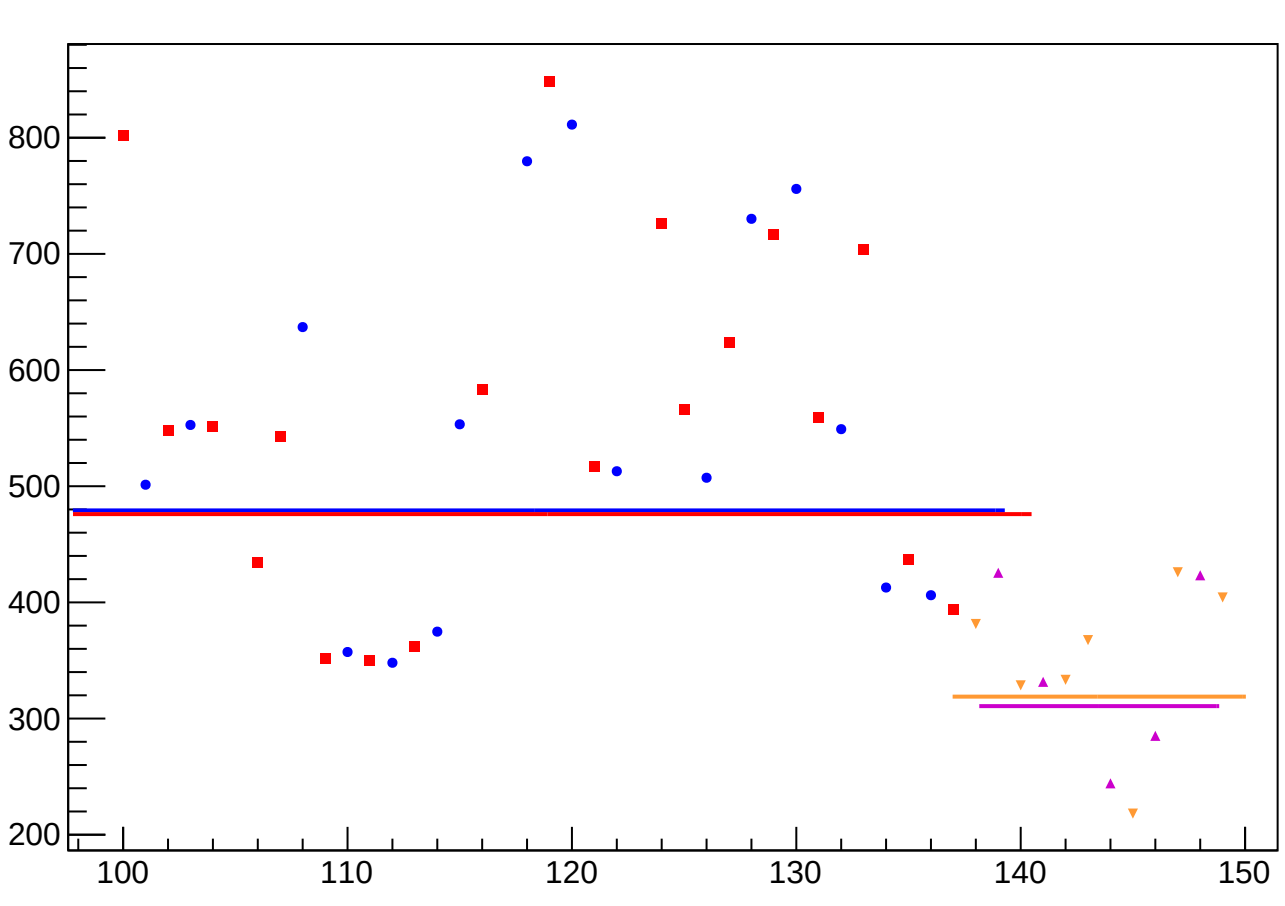
Left: 157.541+/-104.488 χ^2/NDF: 17.0/11

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 191.081+/-118.145 χ^2/NDF:28.1/20

Out: -28.901+/-111.989 χ^2/NDF:34.1/25

All: 75.210+/-81.277 χ^2/NDF: 64.0/46



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 318.870+/-0.101 χ^2/NDF:587476.4/6

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 310.697+/-0.108 χ^2/NDF:388694.3/4

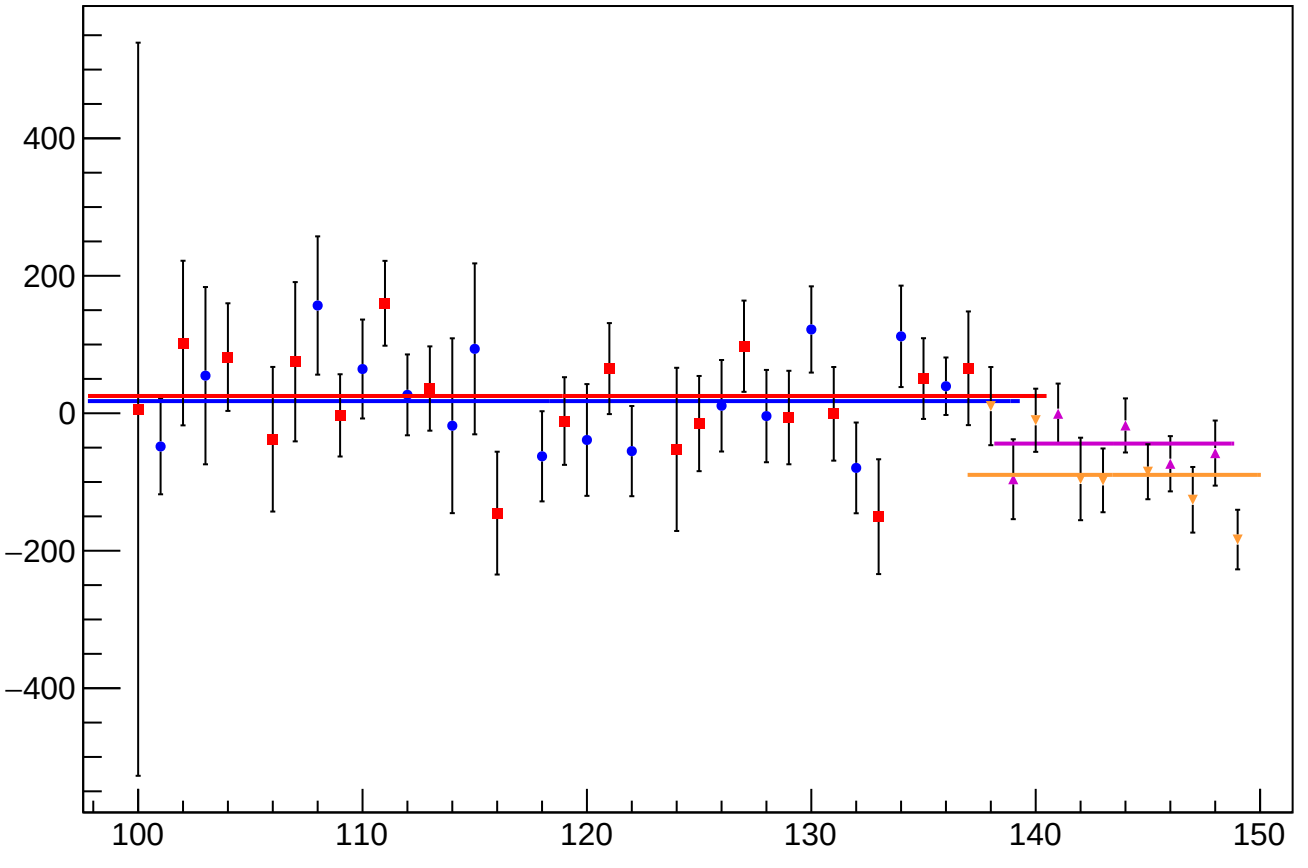
Left: 315.079+/-0.074 χ^2/NDF: 979214.0/11

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 379.253+/-0.084 χ^2/NDF:2322950.0/20

Out: 379.231+/-0.079 χ^2/NDF:2525359.1/25

All: 379.242+/-0.057 χ^2/NDF: 4848309.0/46



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -89.607+/-17.899 χ^2/NDF:11.4/6

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -44.109+/-19.888 χ^2/NDF:2.8/4

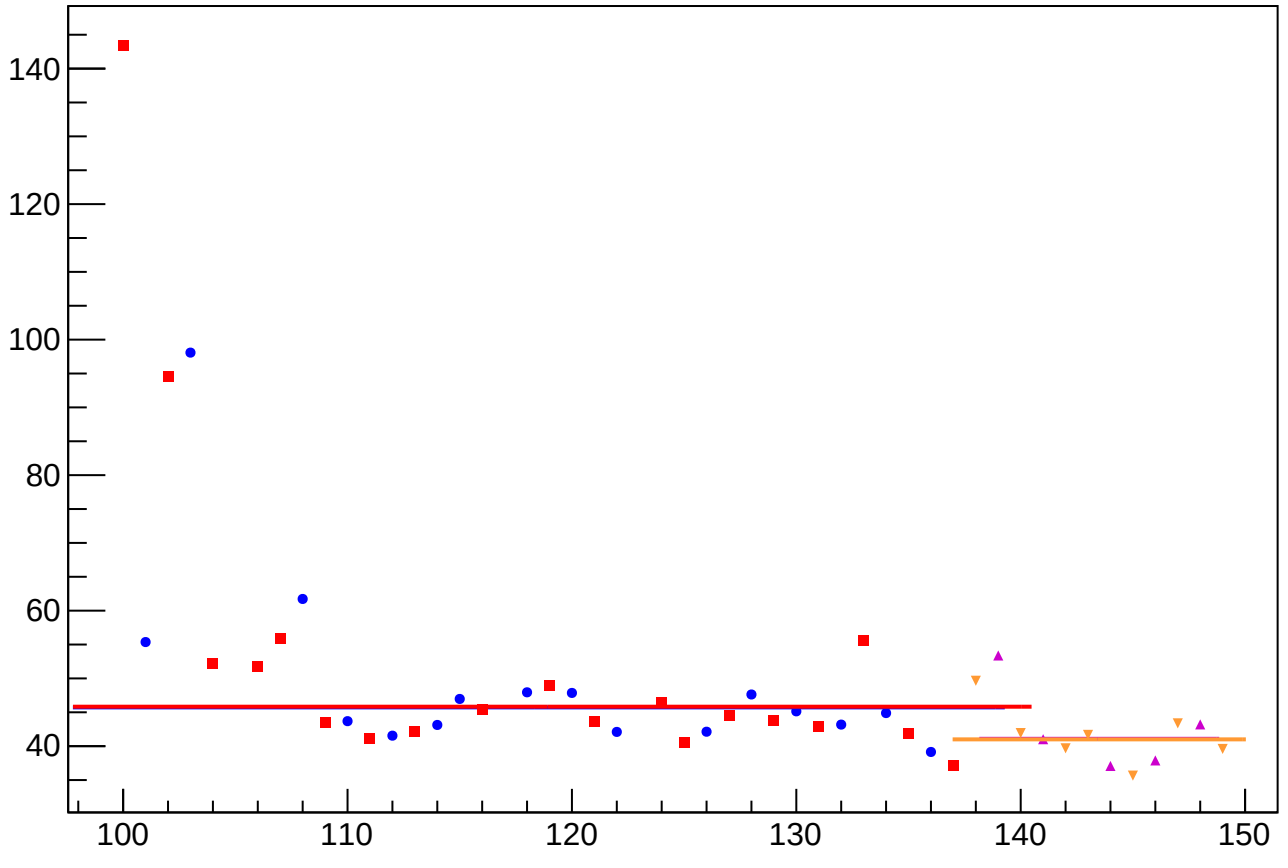
Left: -69.246+/-13.304 χ^2/NDF: 17.2/11

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -9.218+/-13.125 χ^2/NDF:22.2/20

Out: -30.408+/-12.454 χ^2/NDF:50.6/25

All: -20.369+/-9.034 χ^2/NDF: 74.2/46



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.005+/-0.013 χ^2/NDF:91247.3/6

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.086+/-0.014 χ^2/NDF:126936.7/4

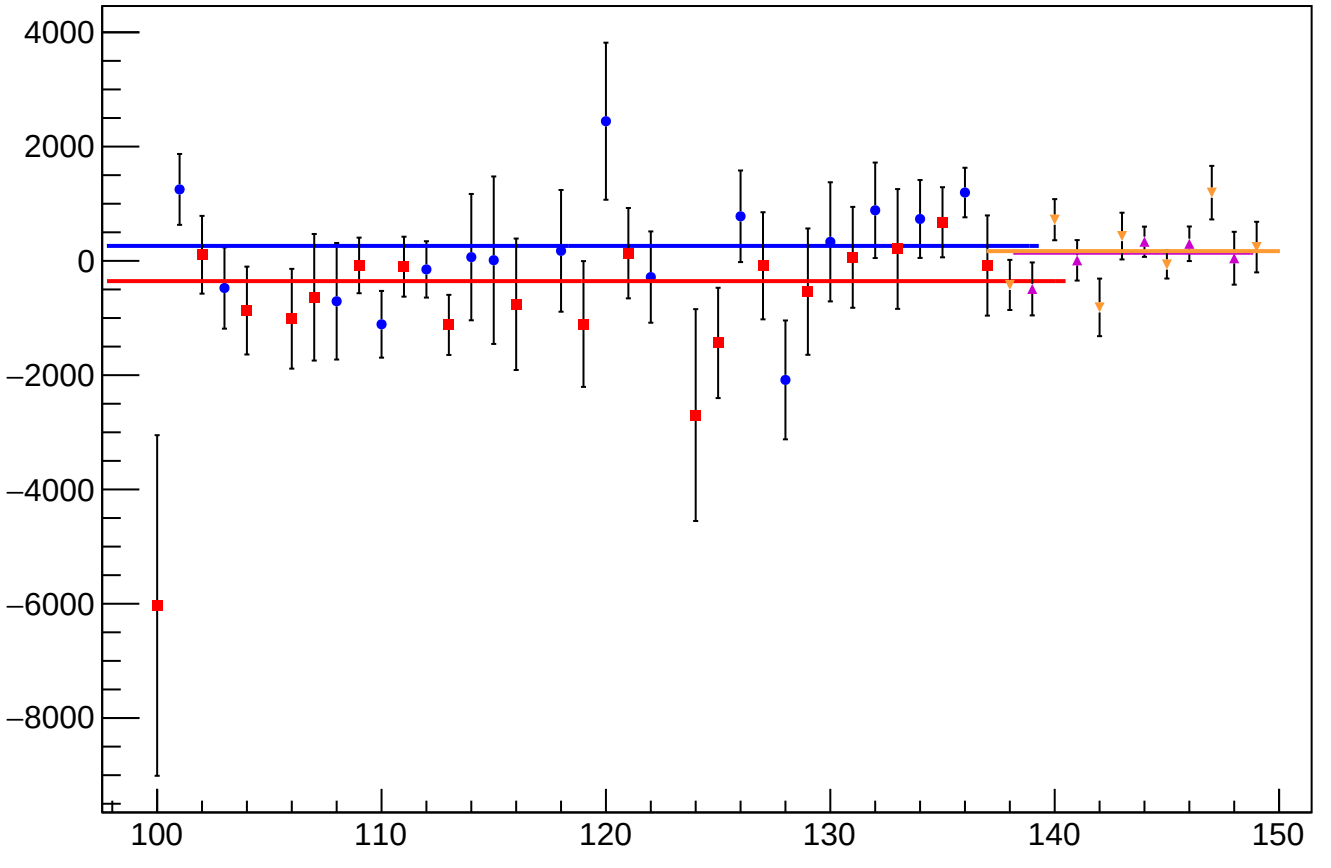
Left: 41.041+/-0.009 χ^2/NDF: 218202.4/11

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.705+/-0.009 χ^2/NDF:689869.7/20

Out: 43.492+/-0.009 χ^2/NDF:704562.3/25

All: 43.593+/-0.006 χ^2/NDF: 1394711.4/46



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 170.585+/-142.706 χ^2/NDF:14.1/6

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 142.465+/-153.410 χ^2/NDF:2.8/4

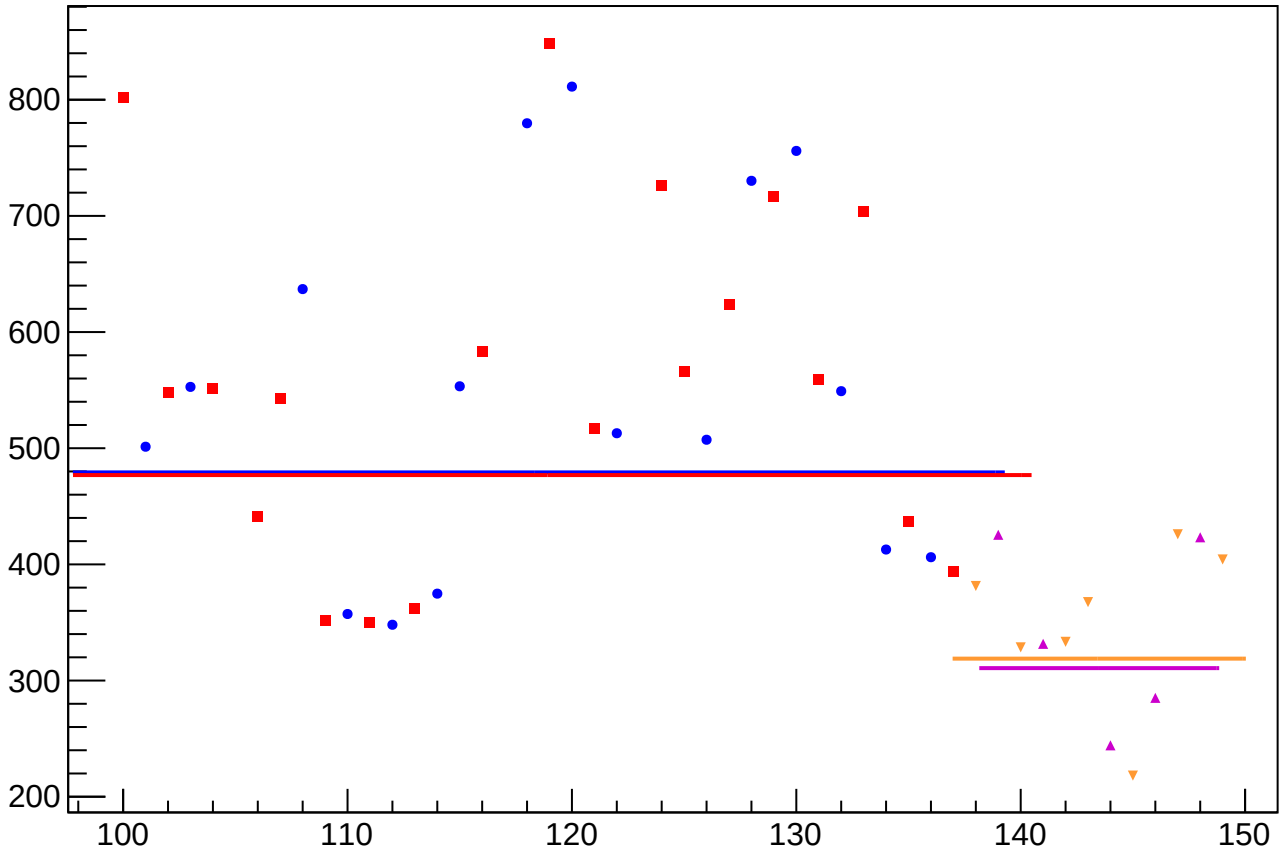
Left: 157.540+/-104.488 χ^2/NDF: 17.0/11

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 191.083+/-118.145 χ^2/NDF:28.1/20

Out: -29.352+/-112.278 χ^2/NDF:34.5/25

All: 75.256+/-81.388 χ^2/NDF: 64.3/46



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 318.870+/-0.101 χ^2/NDF:587476.0/6

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

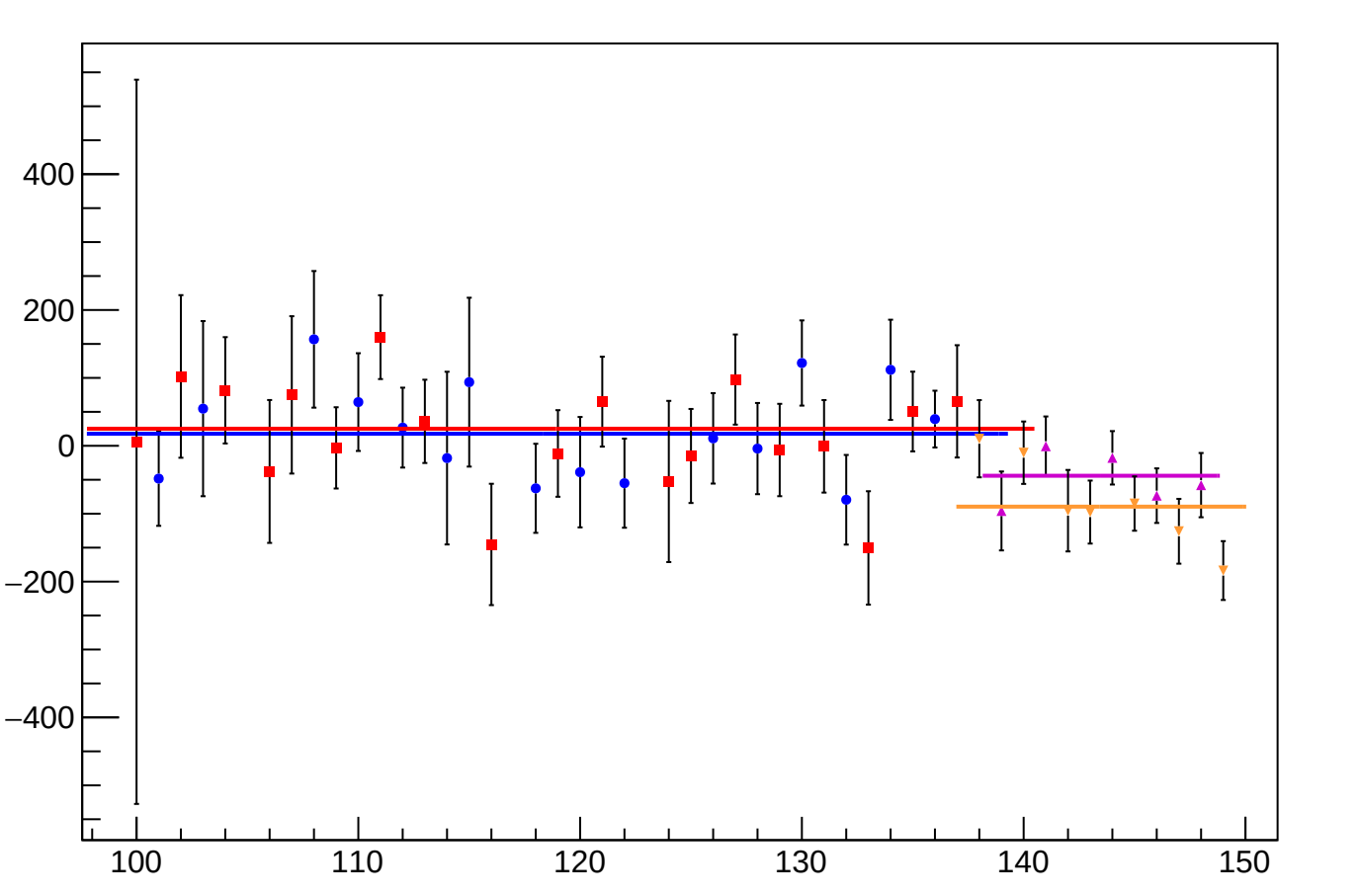
Left: 315.079+/-0.074 χ^2/NDF: 979214.7/11

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.254+/-0.084 χ^2/NDF:2322996.7/20

Out: 379.075+/-0.079 χ^2/NDF:2525551.8/25

All: 379.160+/-0.058 χ^2/NDF: 4848551.0/46



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -89.607+/-17.899 χ^2/NDF:11.4/6

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -44.109+/-19.888 χ^2/NDF:2.8/4

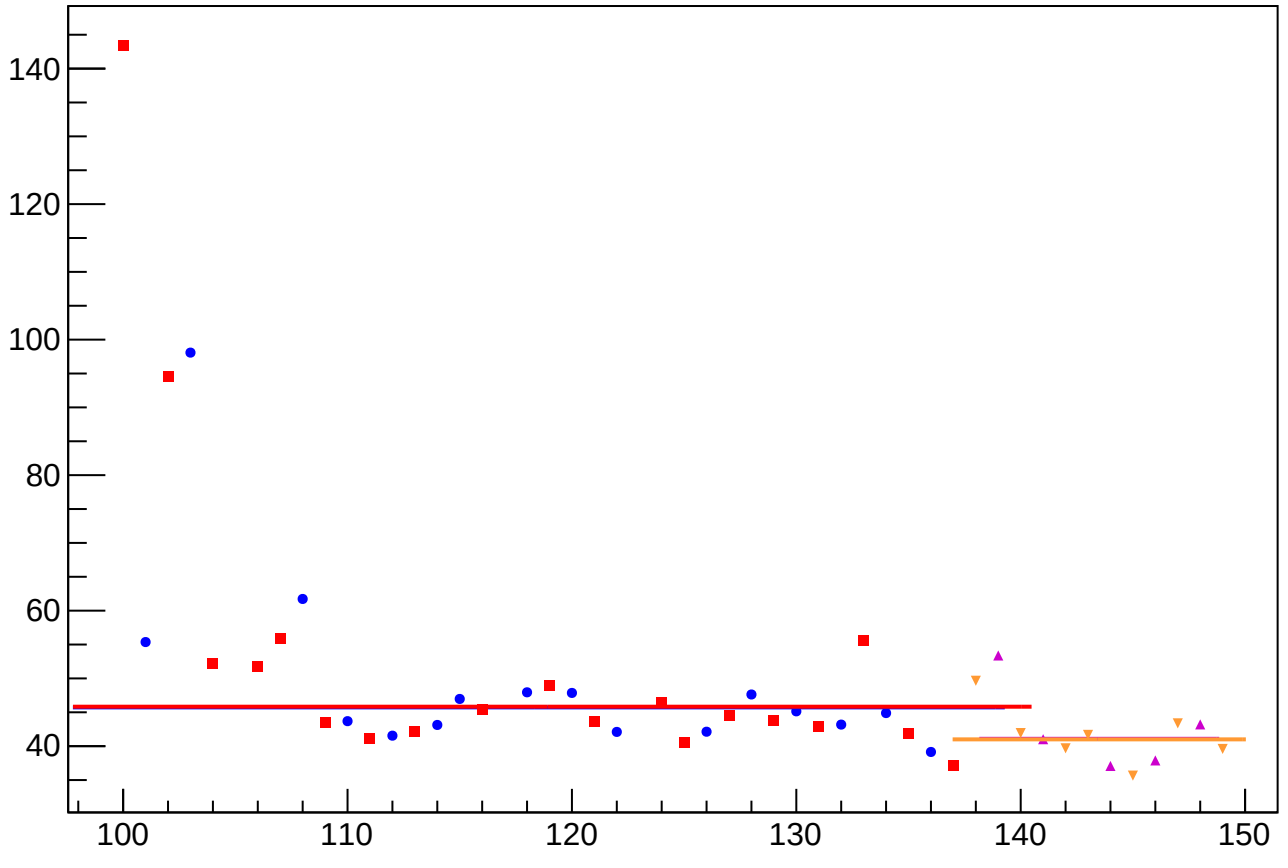
Left: -69.246+/-13.304 χ^2/NDF: 17.2/11

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -9.218+/-13.125 χ^2/NDF:22.2/20

Out: -30.408+/-12.454 χ^2/NDF:50.6/25

All: -20.369+/-9.034 χ^2/NDF: 74.2/46



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.005+/-0.013 χ^2/NDF:91247.3/6

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: 41.041+/-0.009 χ^2/NDF: 218202.4/11

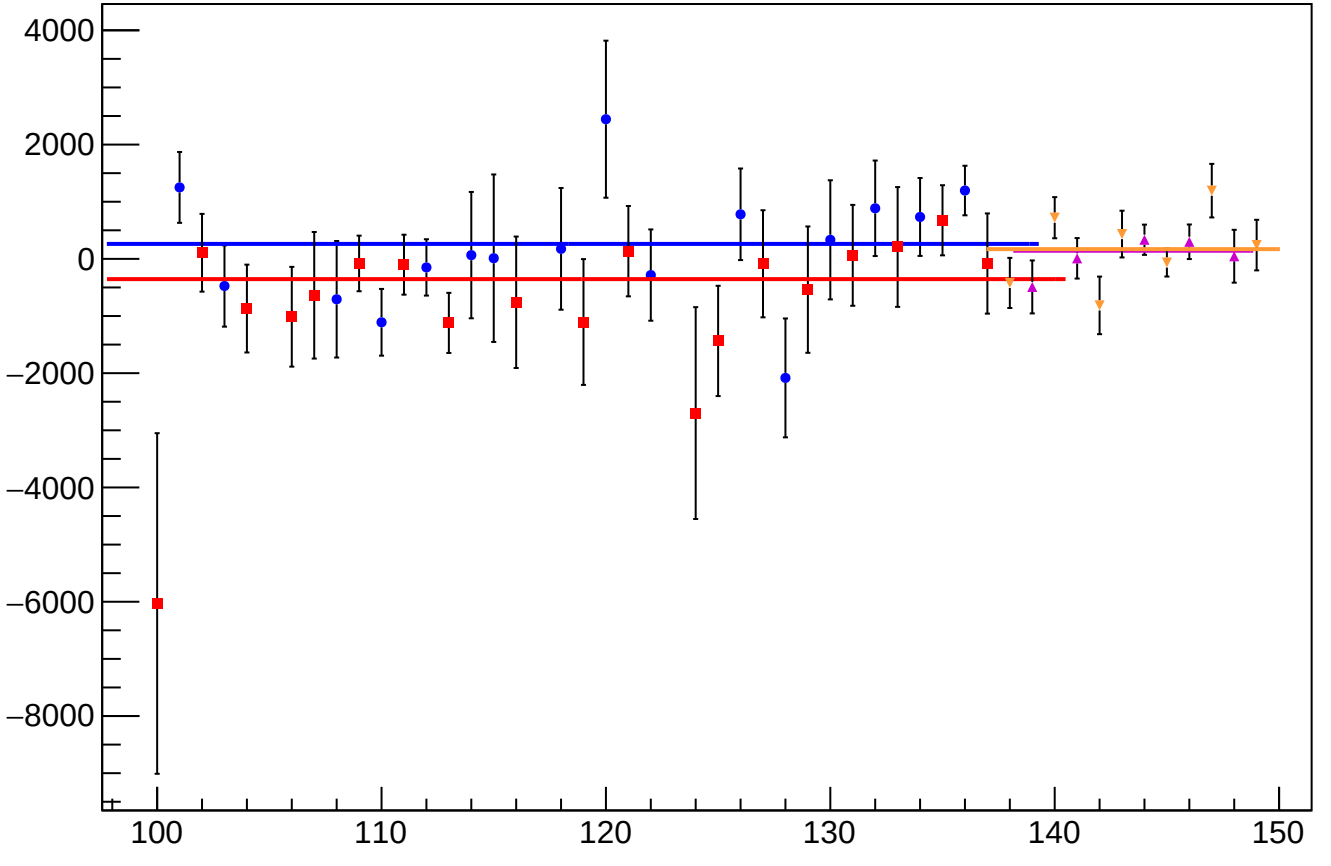
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.705+/-0.009 χ^2/NDF:689869.7/20

Out: 43.492+/-0.009 χ^2/NDF:704562.3/25

All: 43.593+/-0.006 χ^2/NDF: 1394711.4/46

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 170.585+/-142.706 χ^2/NDF:14.1/6

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 142.465+/-153.410 χ^2/NDF:2.8/4

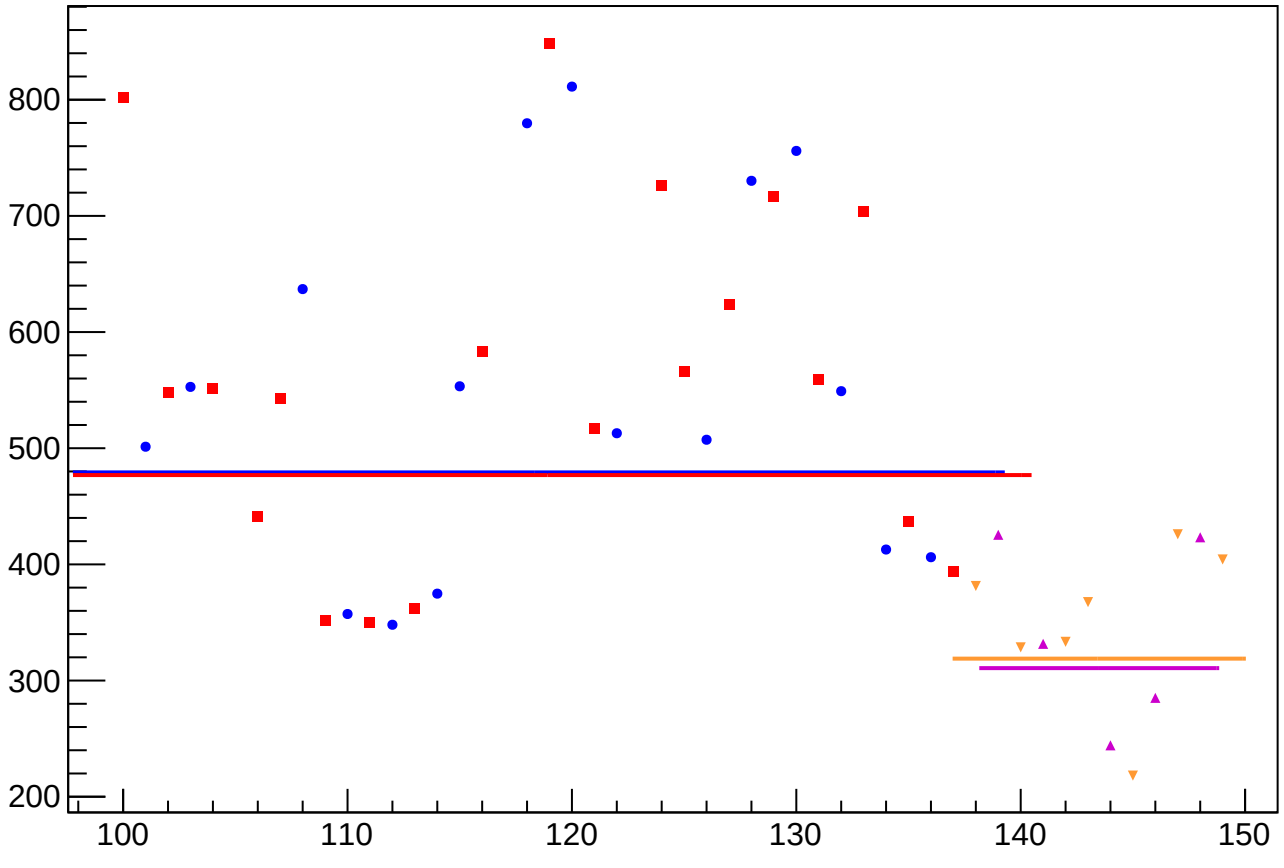
Left: 157.540+/-104.488 χ^2/NDF: 17.0/11

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 191.083+/-118.145 χ^2/NDF:28.1/20

Out: -29.352+/-112.278 χ^2/NDF:34.5/25

All: 75.256+/-81.388 χ^2/NDF: 64.3/46



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 318.870+/-0.101 χ^2/NDF:587476.0/6

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 310.697+/-0.108 χ^2/NDF:388695.6/4

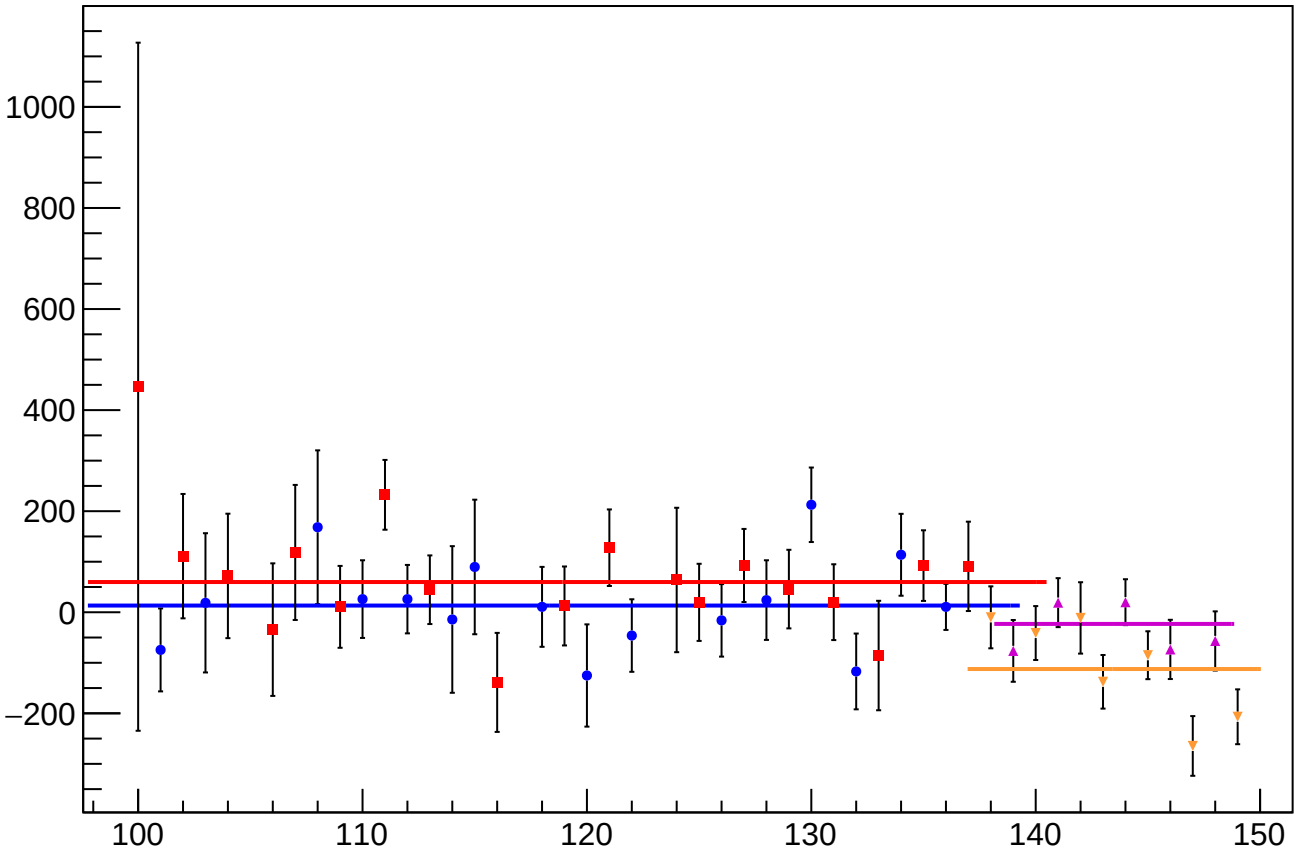
Left: 315.079+/-0.074 χ^2/NDF: 979214.7/11

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.254+/-0.084 χ^2/NDF:2322996.7/20

Out: 379.075+/-0.079 χ^2/NDF:2525551.8/25

All: 379.160+/-0.058 χ^2/NDF: 4848551.0/46



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -112.338+/-21.105 χ^2/NDF:16.9/6

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.086+/-23.827 χ^2/NDF:3.5/4

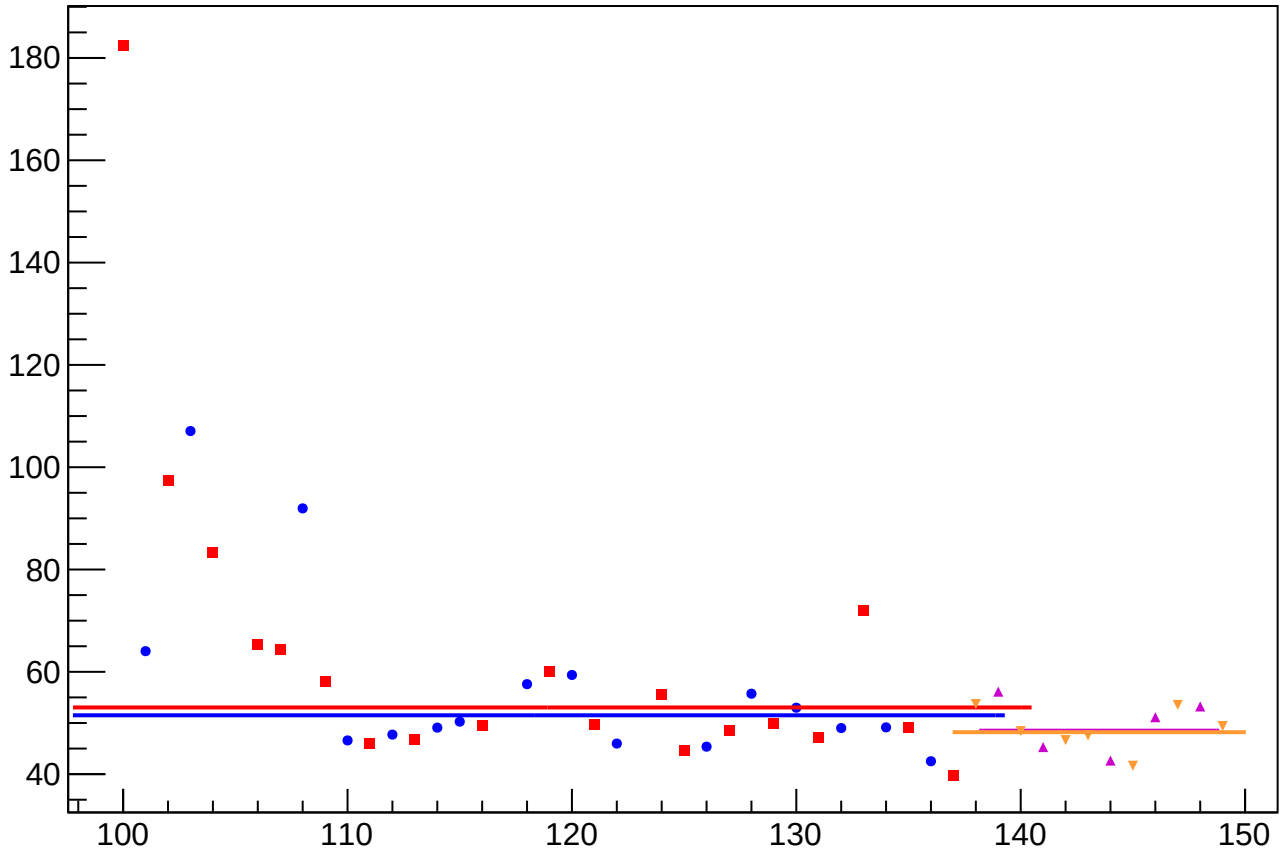
Left: -73.100+/-15.799 χ^2/NDF: 28.2/11

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -1.626+/-15.251 χ^2/NDF:22.1/20

Out: -22.638+/-14.606 χ^2/NDF:67.6/25

All: -12.586+/-10.548 χ^2/NDF: 90.7/46



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.204+/-0.015 χ^2/NDF:73049.5/6

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 48.495+/-0.017 χ^2/NDF:90144.1/4

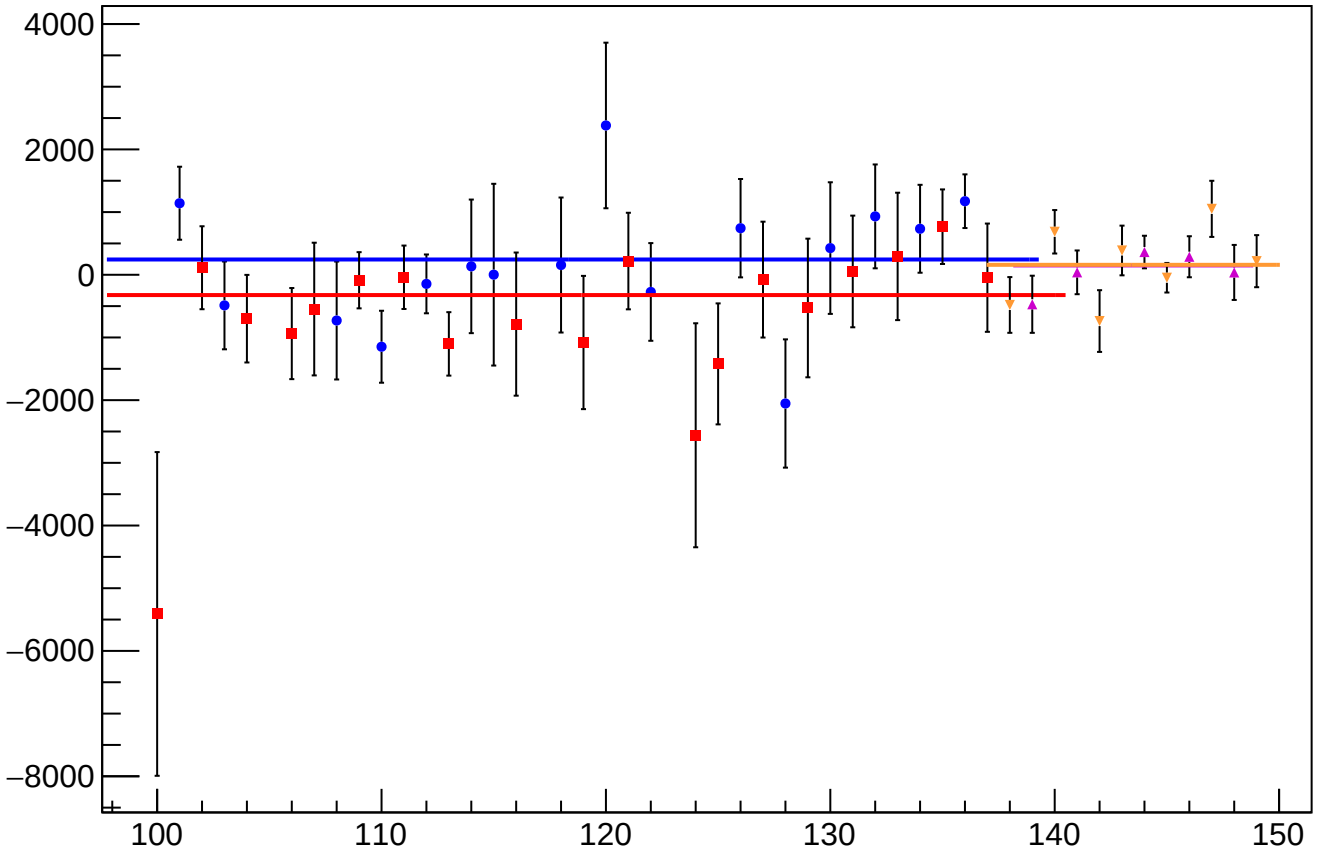
Left: 48.332+/-0.011 χ^2/NDF: 163360.9/11

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 50.272+/-0.011 χ^2/NDF:776056.1/20

Out: 50.722+/-0.010 χ^2/NDF:840626.5/25

All: 50.507+/-0.007 χ^2/NDF: 1617591.6/46



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 158.760+/-137.831 χ^2/NDF:12.8/6

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: 154.367+/-102.594 χ^2/NDF: 15.7/11

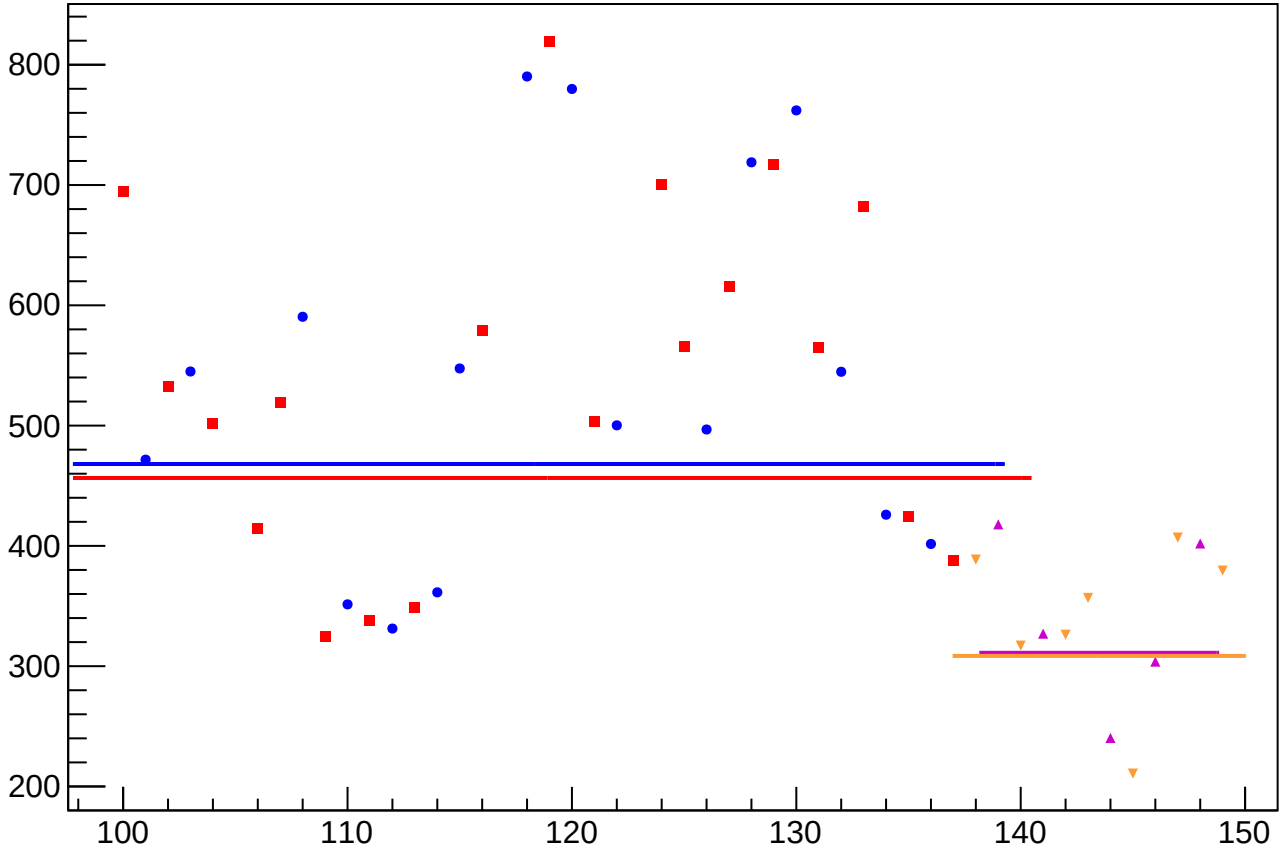
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 188.689+/-117.093 χ^2/NDF:28.6/20

Out: -27.709+/-107.953 χ^2/NDF:34.0/25

All: 71.716+/-79.369 χ^2/NDF: 64.5/46

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.527+/-0.097 χ^2/NDF:597366.6/6

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 311.128+/-0.109 χ^2/NDF:349087.7/4

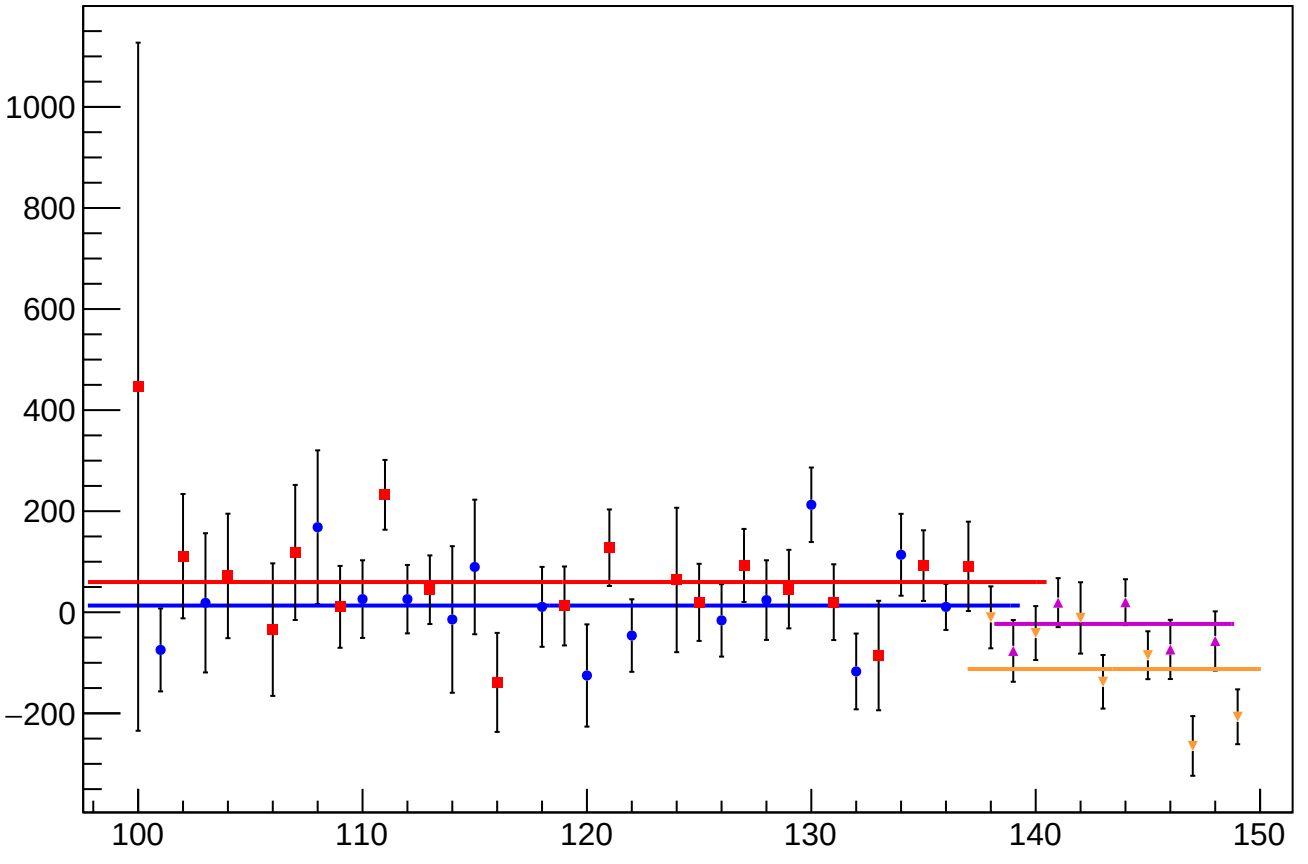
Left: 309.687+/-0.073 χ^2/NDF: 946771.8/11

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 376.901+/-0.083 χ^2/NDF:2206671.6/20

Out: 365.715+/-0.076 χ^2/NDF:2570616.7/25

All: 370.854+/-0.056 χ^2/NDF: 4787154.5/46



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -112.338+/-21.105 χ^2/NDF:16.9/6

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -23.086+/-23.827 χ^2/NDF:3.5/4

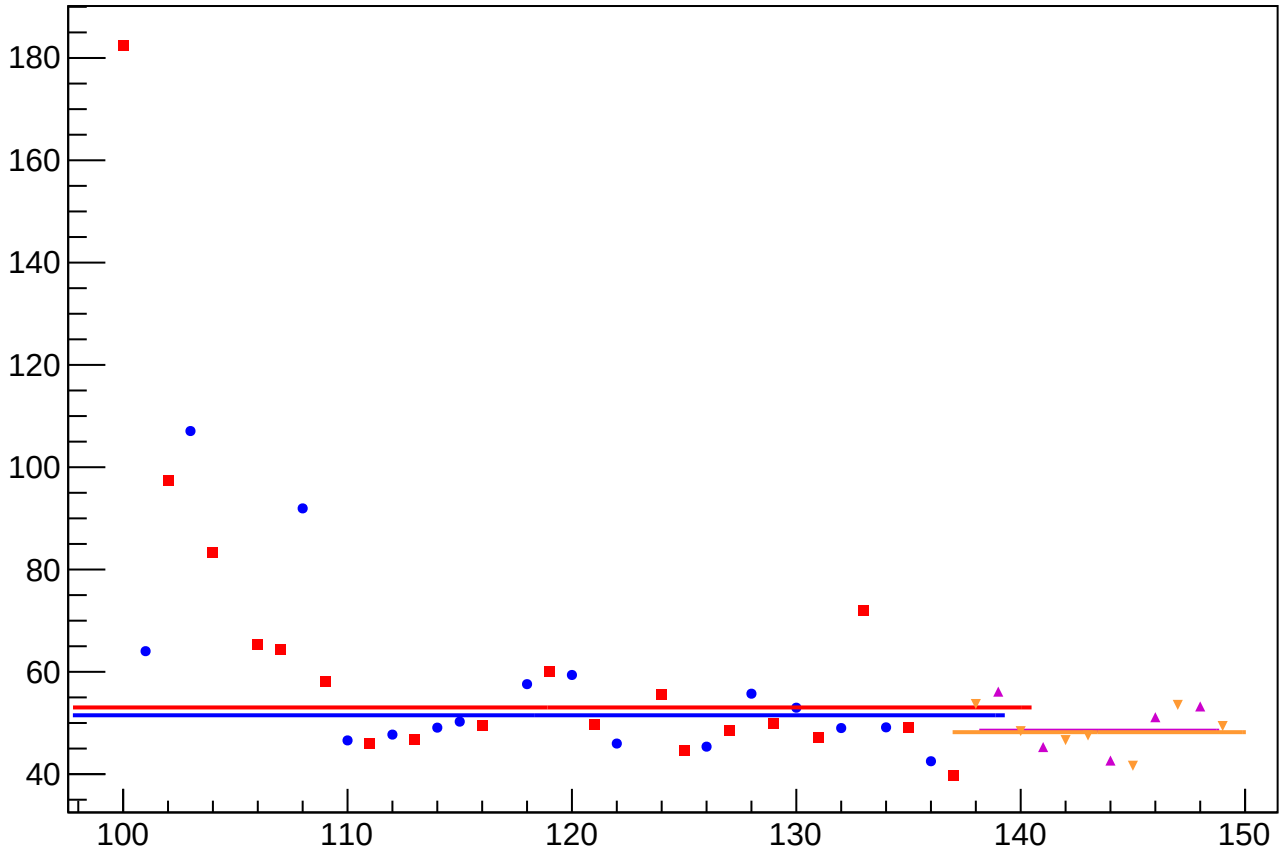
Left: -73.100+/-15.799 χ^2/NDF: 28.2/11

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -1.626+/-15.251 χ^2/NDF:22.1/20

Out: -22.638+/-14.606 χ^2/NDF:67.6/25

All: -12.586+/-10.548 χ^2/NDF: 90.7/46



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.204+/-0.015 χ^2/NDF:73048.9/6

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: 48.332+/-0.011 χ^2/NDF: 163359.7/11

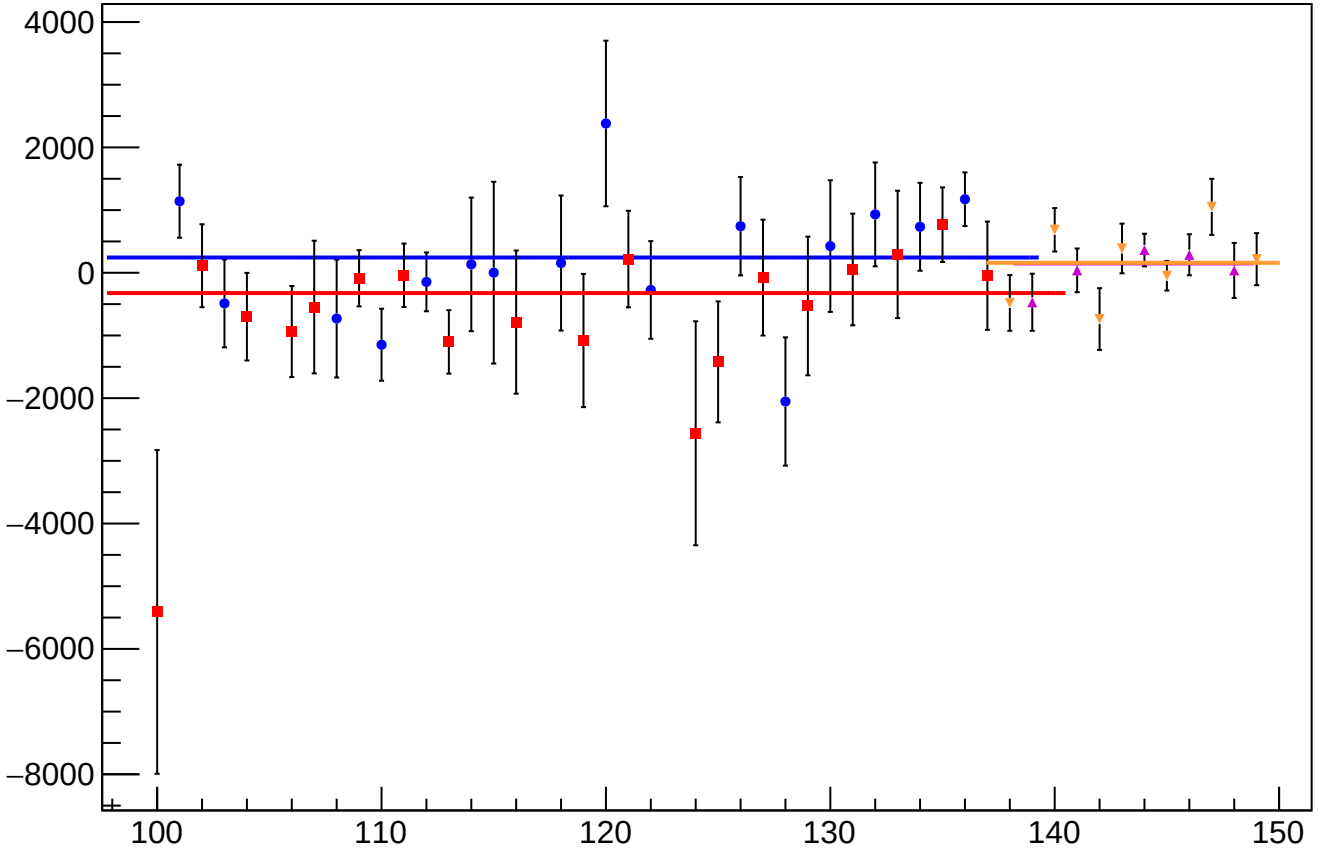
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 50.272+/-0.011 χ^2/NDF:776060.6/20

Out: 50.722+/-0.010 χ^2/NDF:840635.5/25

All: 50.507+/-0.007 χ^2/NDF: 1617605.1/46

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: 158.761+/-137.831 χ^2/NDF:12.8/6

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 148.909+/-153.631 χ^2/NDF:2.9/4

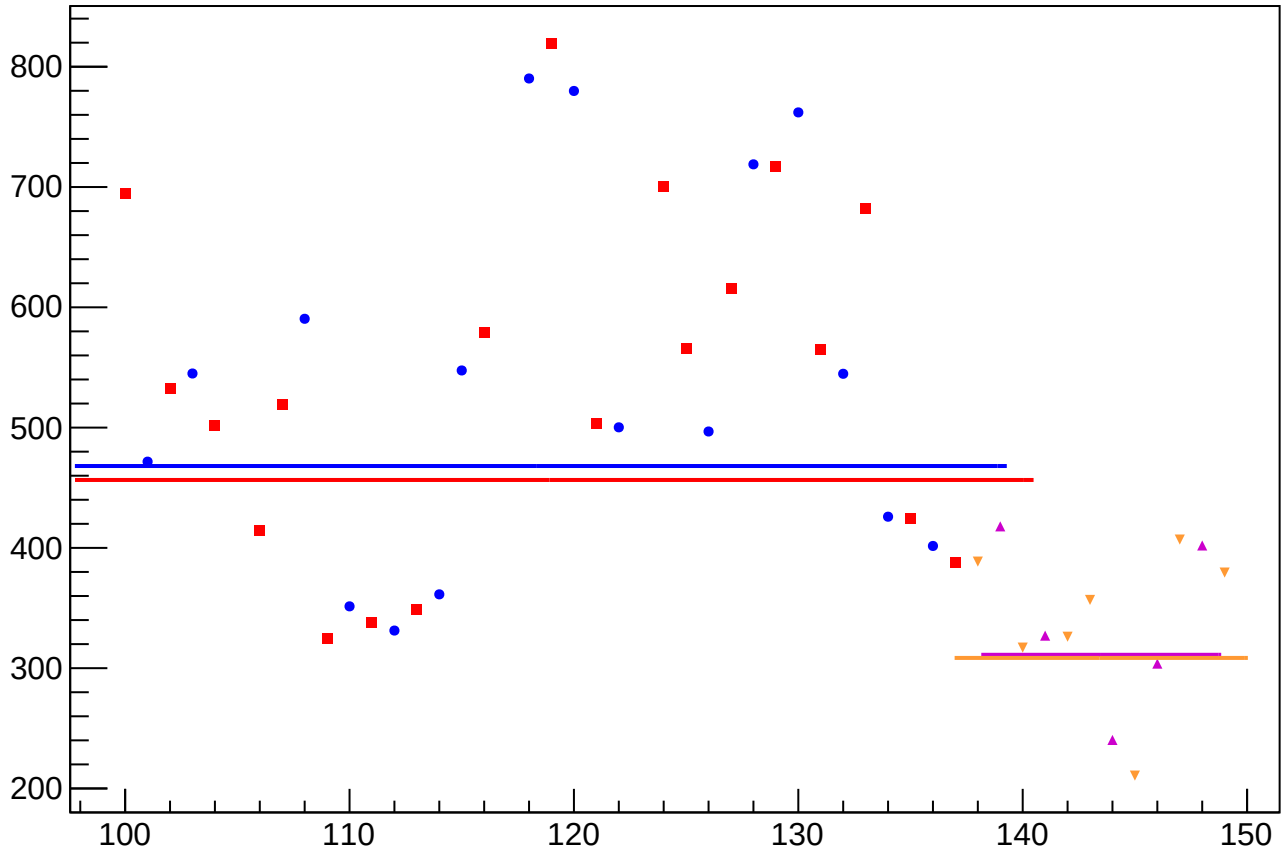
Left: 154.368+/-102.594 χ^2/NDF: 15.7/11

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 188.689+/-117.093 χ^2/NDF:28.6/20

Out: -27.709+/-107.953 χ^2/NDF:34.0/25

All: 71.716+/-79.369 χ^2/NDF: 64.5/46



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.527+/-0.097 χ^2/NDF:597370.7/6

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: 309.687+/-0.073 χ^2/NDF: 946778.3/11

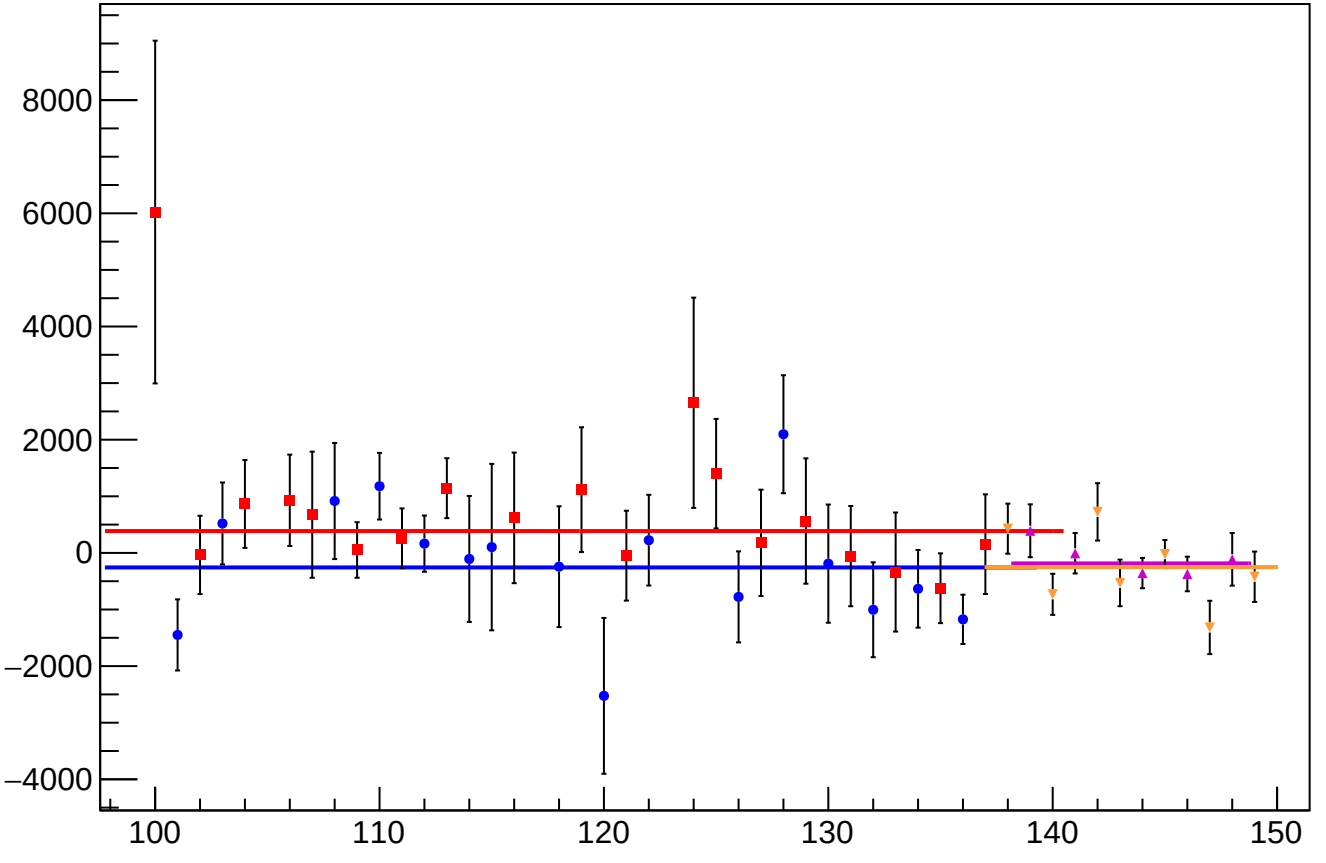
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 376.901+/-0.083 χ^2/NDF:2206664.3/20

Out: 365.714+/-0.076 χ^2/NDF:2570610.8/25

All: 370.854+/-0.056 χ^2/NDF: 4787141.6/46

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -250.764+/-144.002 χ^2/NDF:14.4/6

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: -220.464+/-105.448 χ^2/NDF: 17.1/11

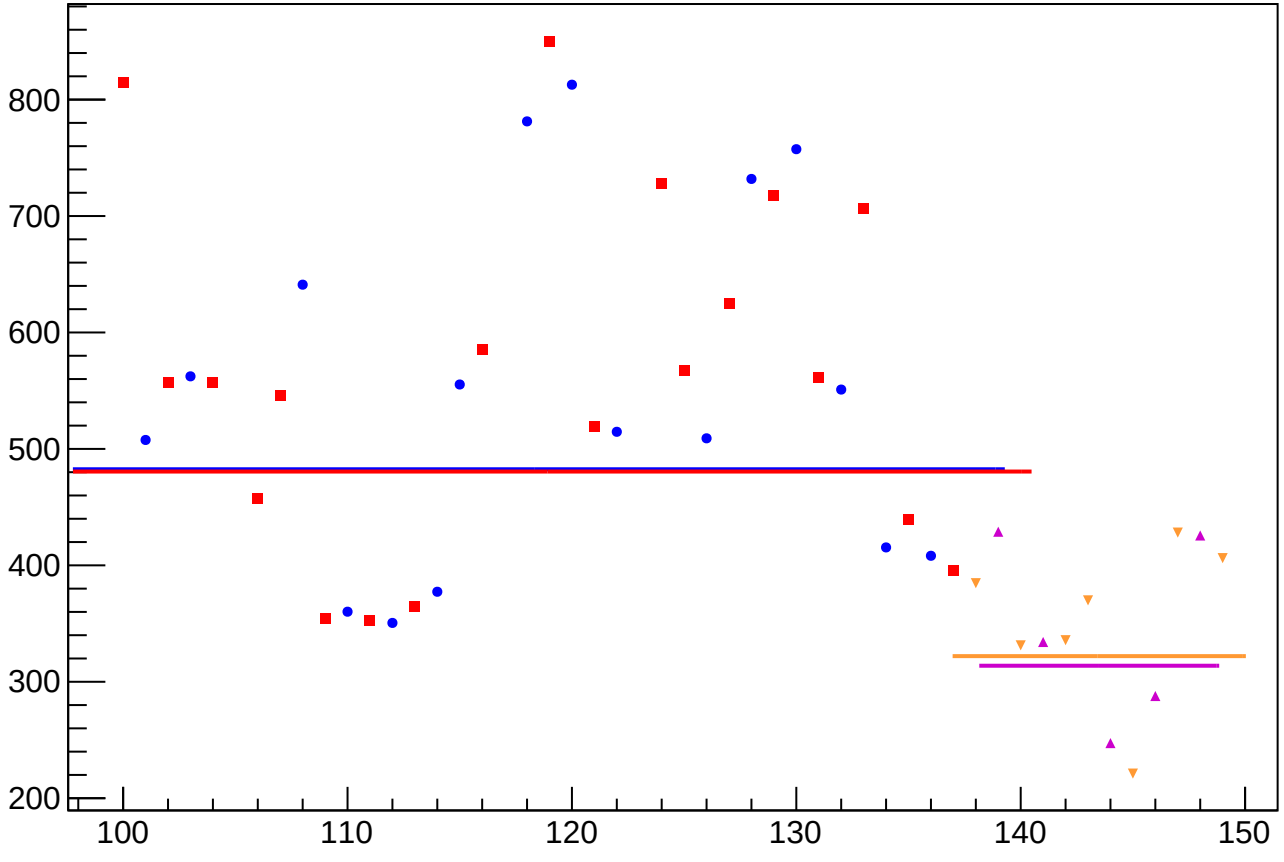
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -214.539+/-119.122 χ^2/NDF:29.6/20

Out: -6.036+/-113.015 χ^2/NDF:36.1/25

All: -104.806+/-81.988 χ^2/NDF: 67.4/46

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 322.025+/-0.102 χ^2/NDF:572032.5/6

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 313.786+/-0.109 χ^2/NDF:381221.2/4

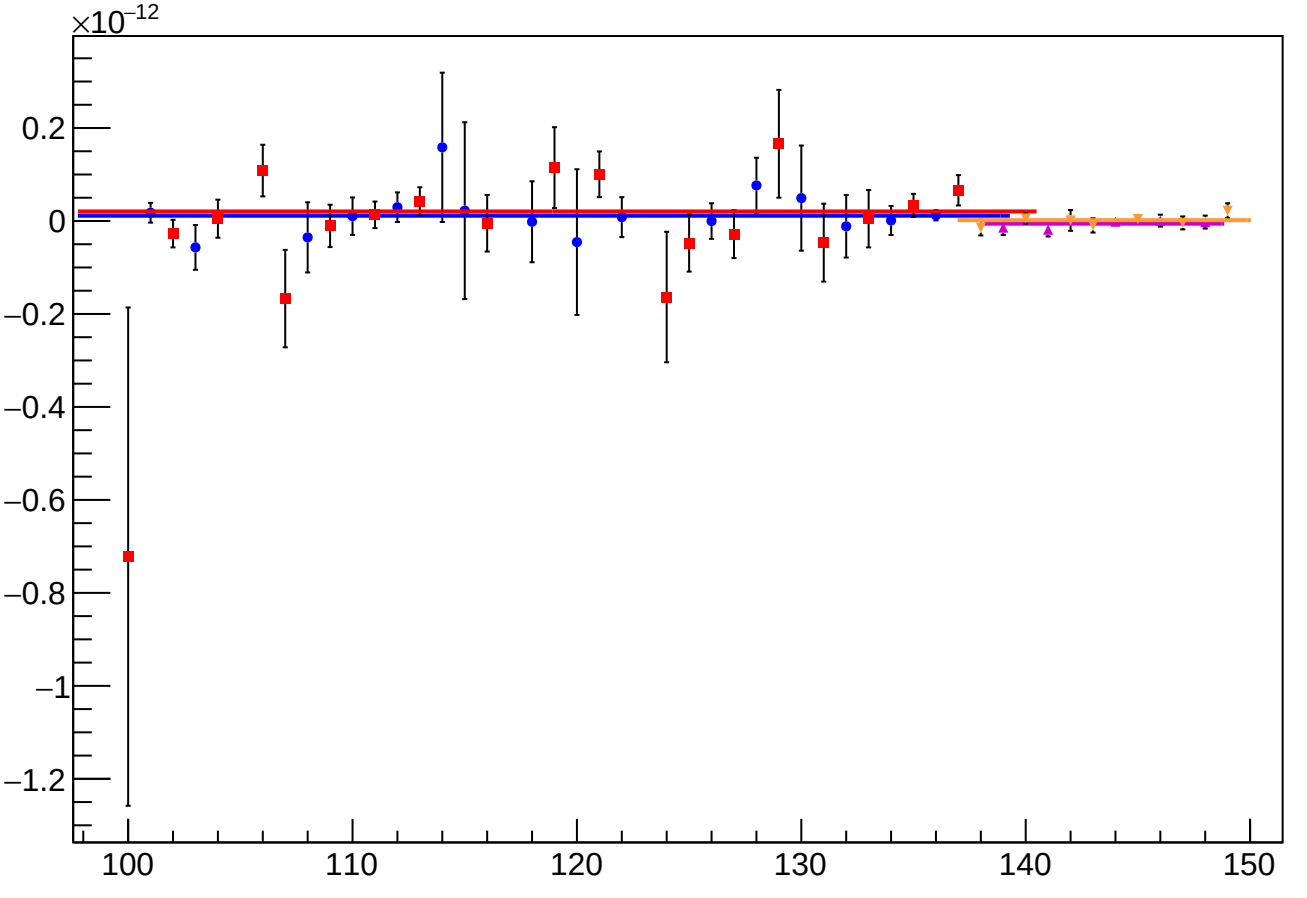
Left: 318.204+/-0.075 χ^2/NDF: 956289.9/11

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 382.650+/-0.084 χ^2/NDF:2296995.2/20

Out: 382.912+/-0.080 χ^2/NDF:2496808.6/25

All: 382.788+/-0.058 χ^2/NDF: 4793808.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/4

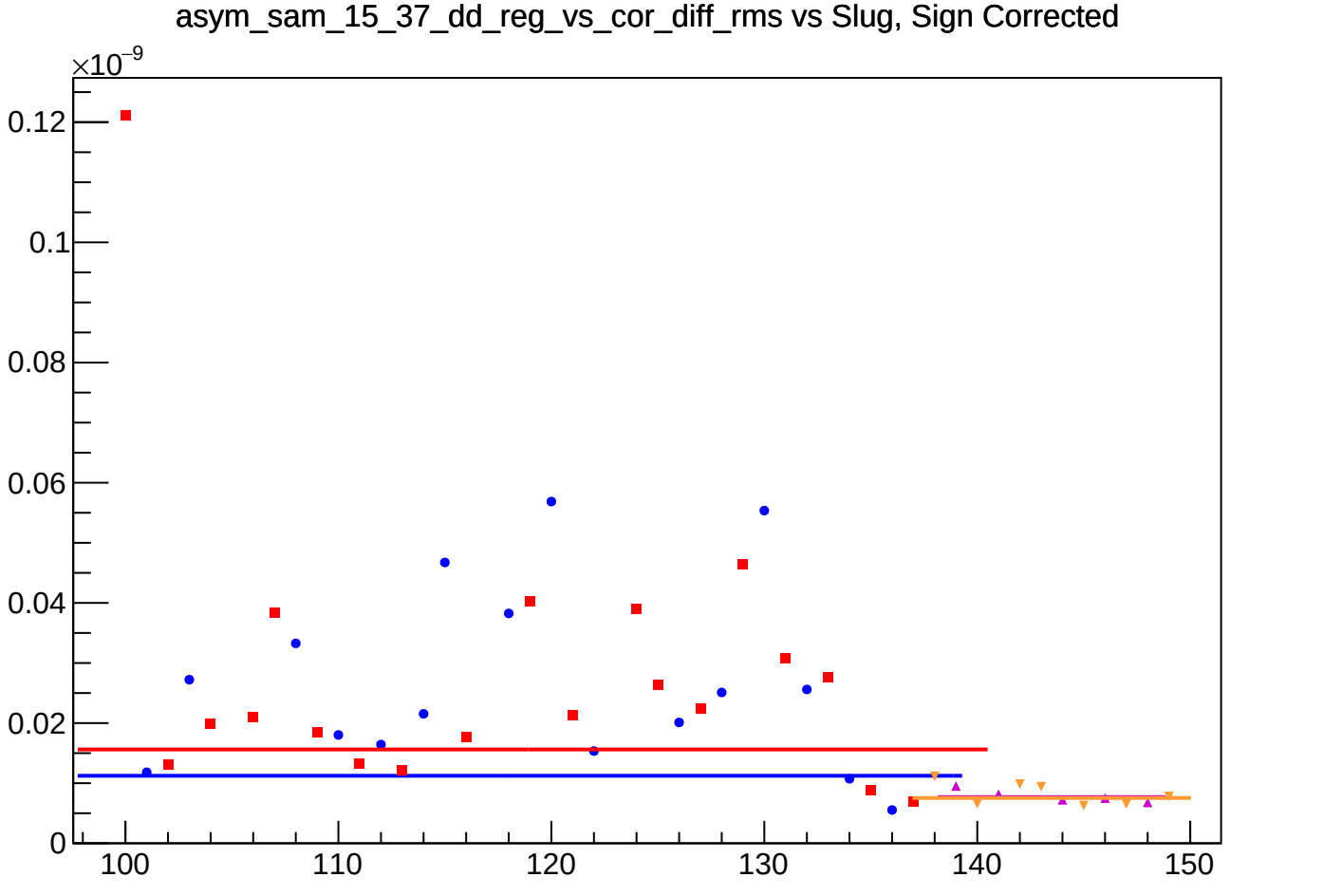
Left: -0.000+/-0.000 χ^2/NDF: 5.9/11

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:29.8/25

All: 0.000+/-0.000 χ^2/NDF: 40.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:201543.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:41270.9/4

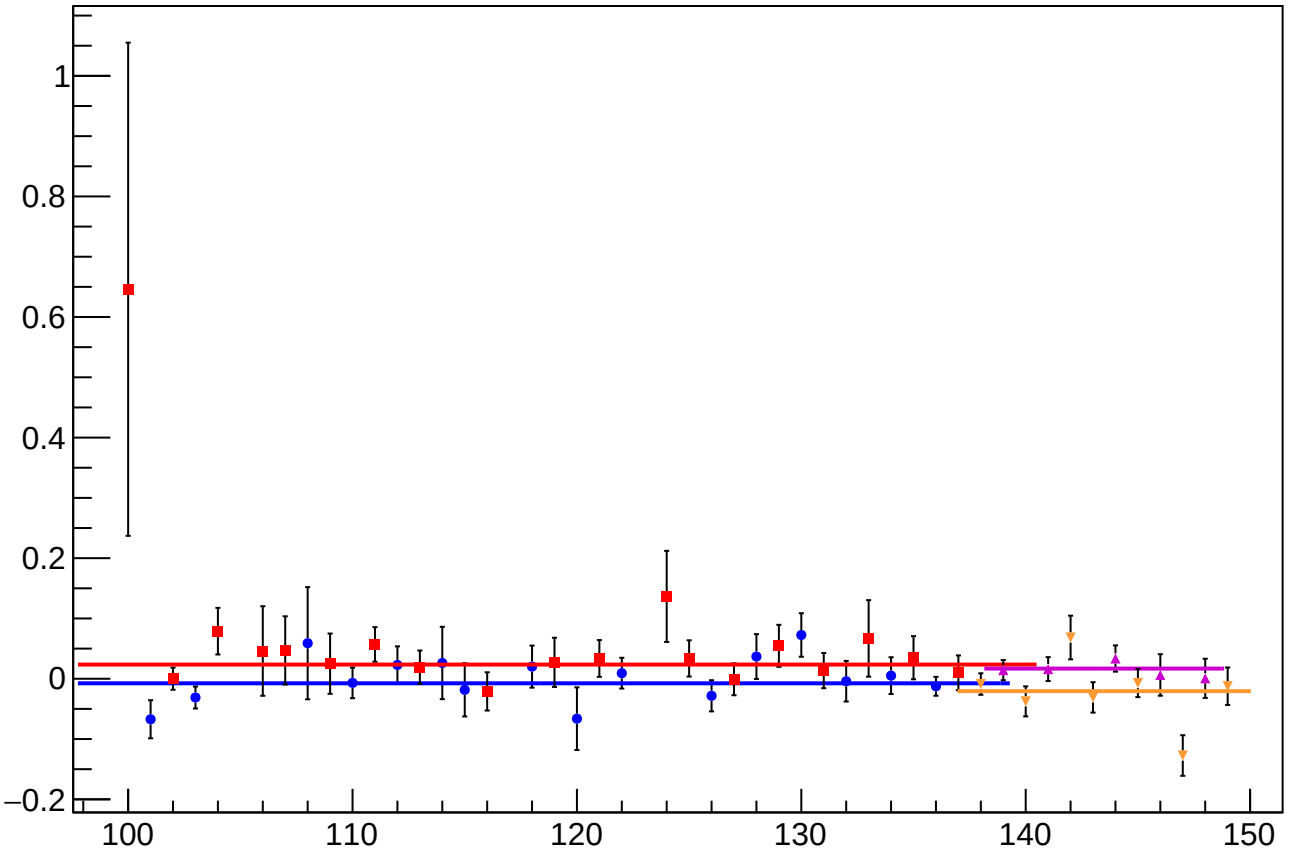
Left: 0.000+/-0.000 χ^2/NDF: 243549.7/11

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:2372388.7/25

All: 0.000+/-0.000 χ^2/NDF: 4773887.4/46



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.6/6

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

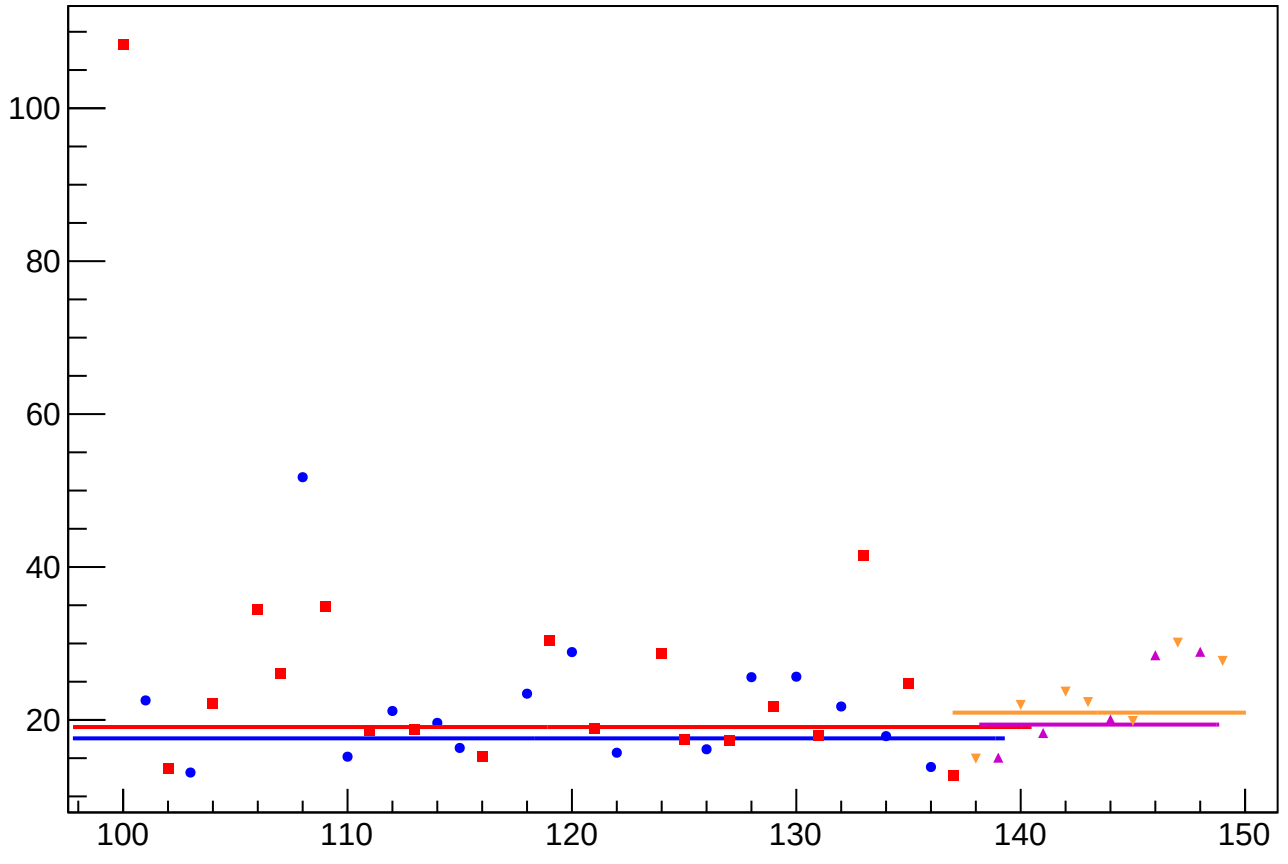
Left: -0.003+/-0.007 χ^2/NDF: 25.8/11

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.006+/-0.006 χ^2/NDF:45.0/25

All: 0.003+/-0.004 χ^2/NDF: 67.0/46



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.956+/-0.007 χ^2/NDF:495820.2/6

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: 20.206+/-0.005 χ^2/NDF: 972502.5/11

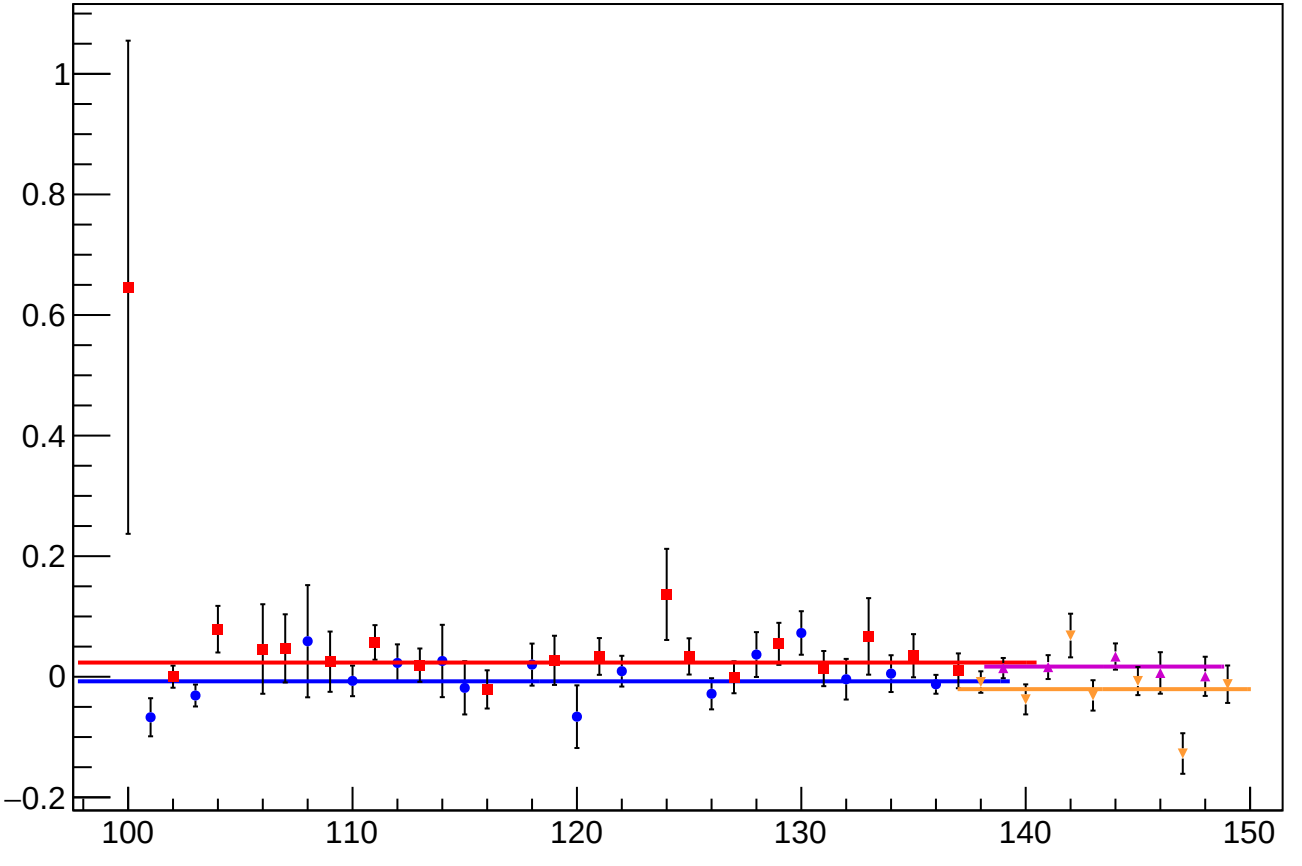
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.206+/-0.004 χ^2/NDF:1487139.3/20

Out: 19.815+/-0.004 χ^2/NDF:1790475.5/25

All: 18.985+/-0.003 χ^2/NDF: 3351060.9/46

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.6/6

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

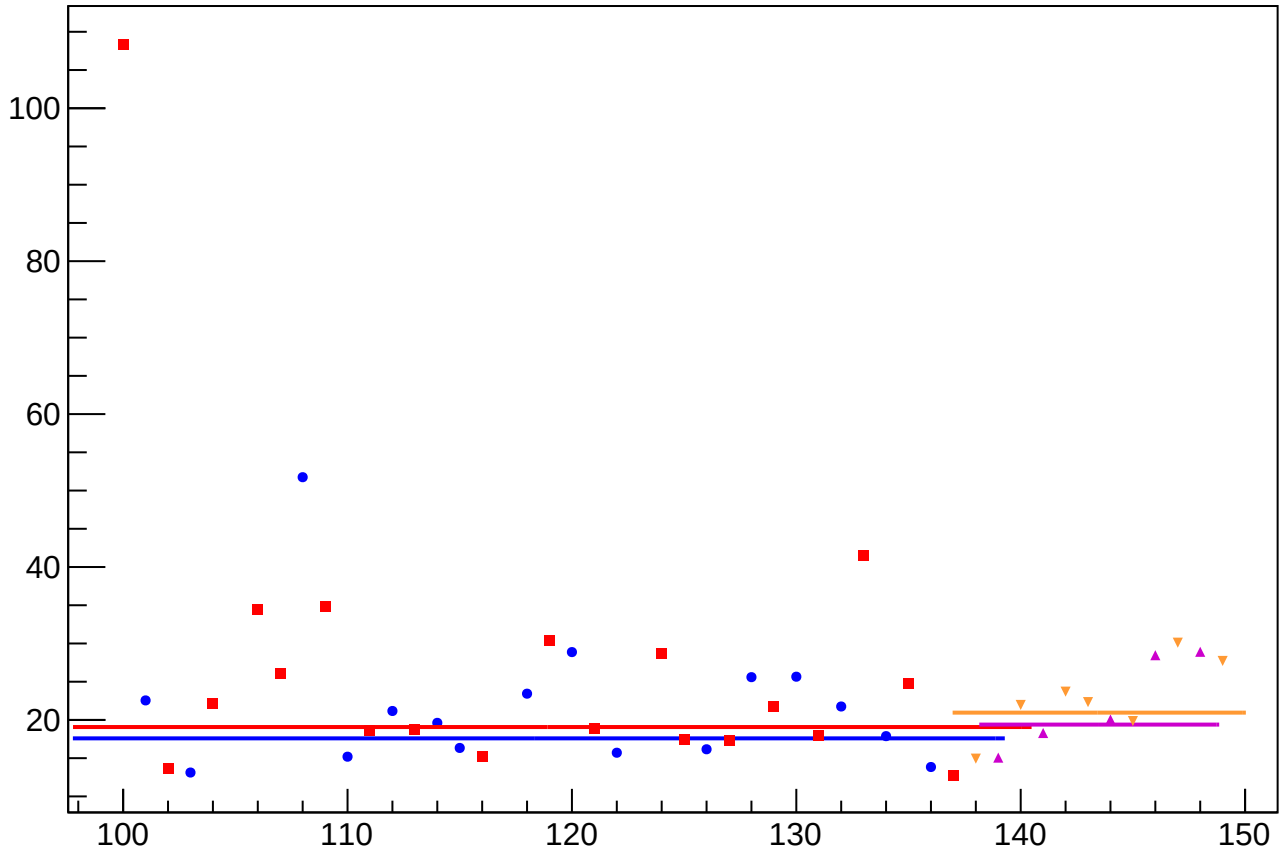
Left: -0.003+/-0.007 χ^2/NDF: 25.8/11

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.006+/-0.006 χ^2/NDF:45.0/25

All: 0.003+/-0.004 χ^2/NDF: 67.0/46



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.956+/-0.007 χ^2/NDF:495820.2/6

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: 20.206+/-0.005 χ^2/NDF: 972502.5/11

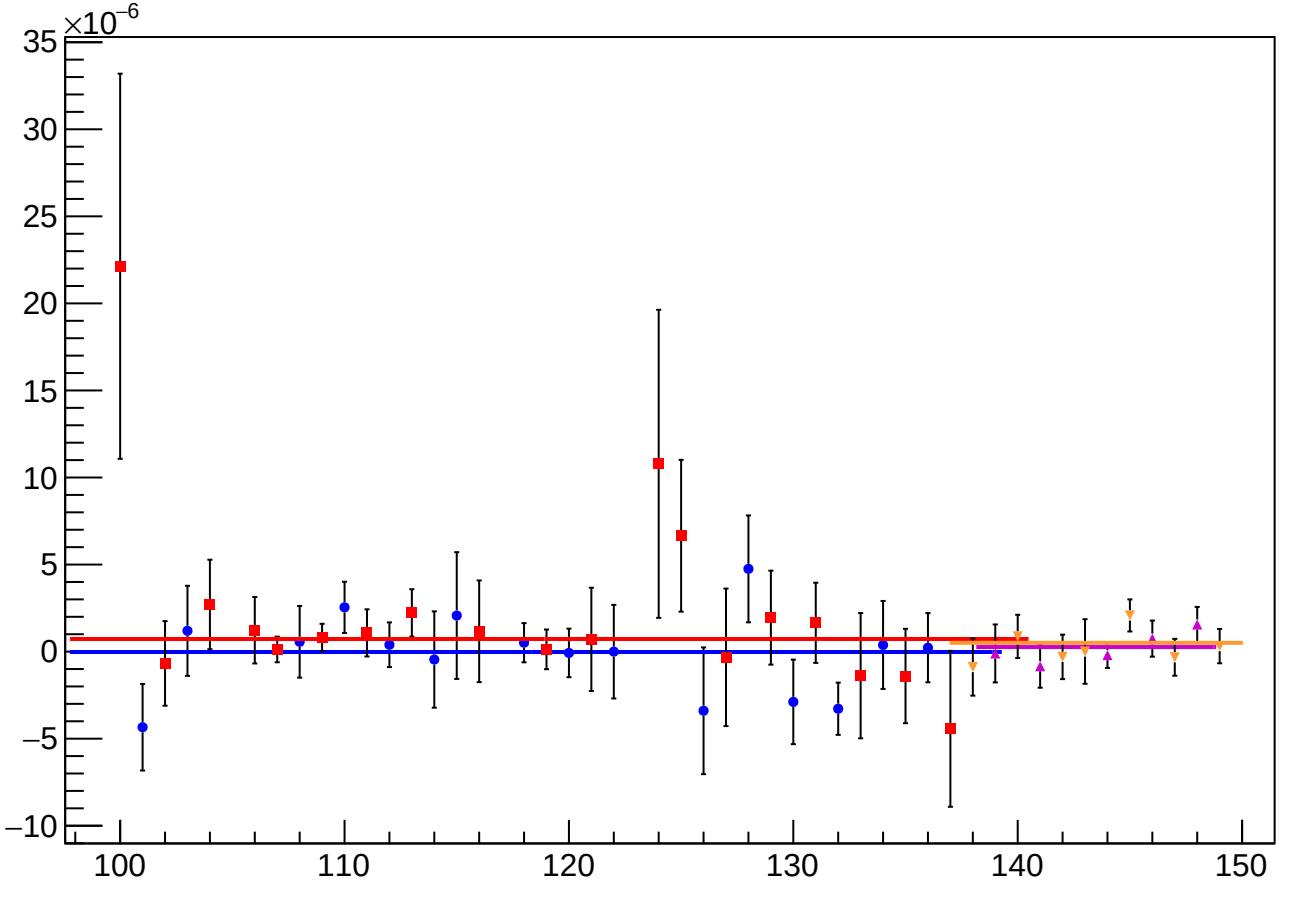
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.206+/-0.004 χ^2/NDF:1487139.3/20

Out: 19.815+/-0.004 χ^2/NDF:1790475.5/25

All: 18.985+/-0.003 χ^2/NDF: 3351060.9/46

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:4.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/4

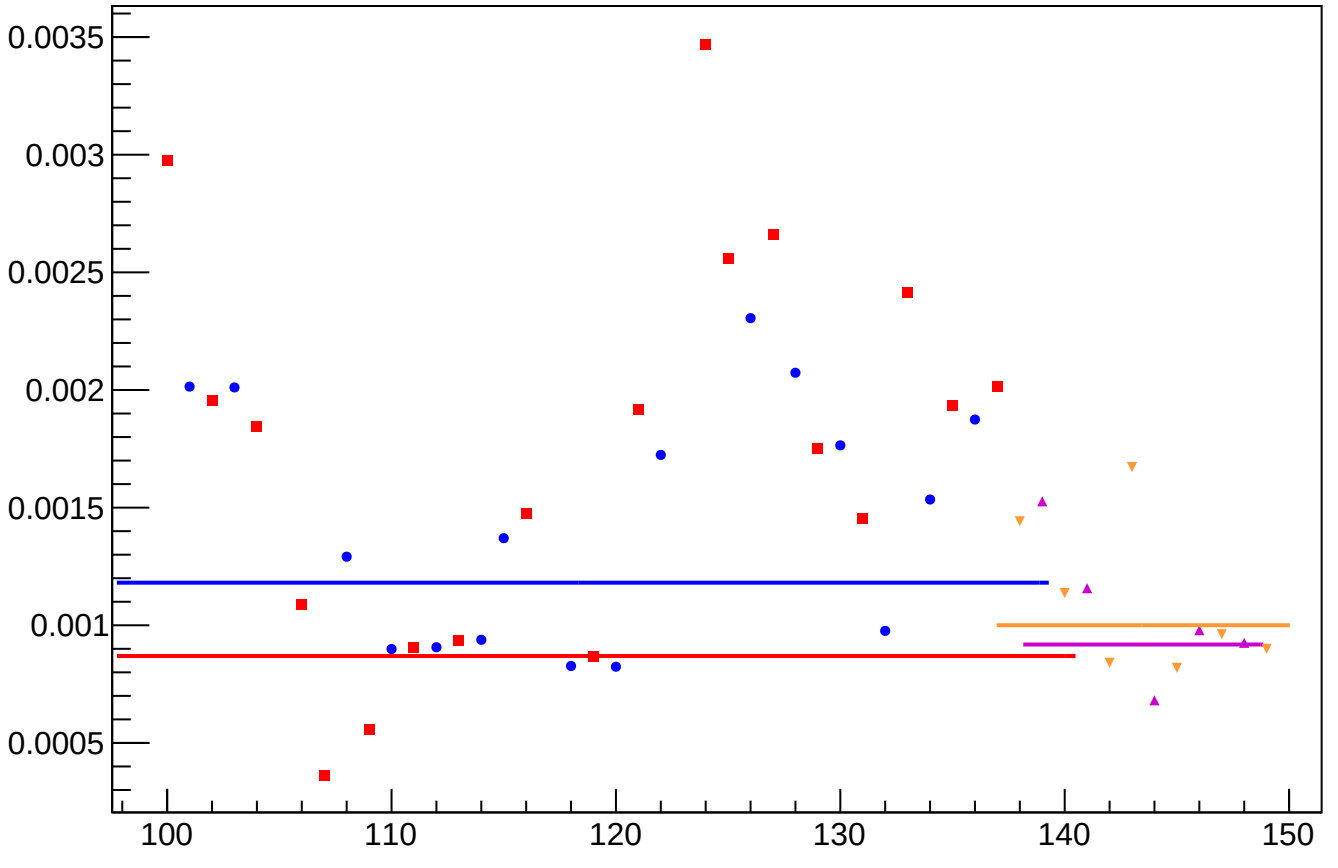
Left: 0.000+/-0.000 χ^2/NDF: 8.1/11

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:17.9/25

All: 0.000+/-0.000 χ^2/NDF: 39.0/46



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:563606.4/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:558415.3/4

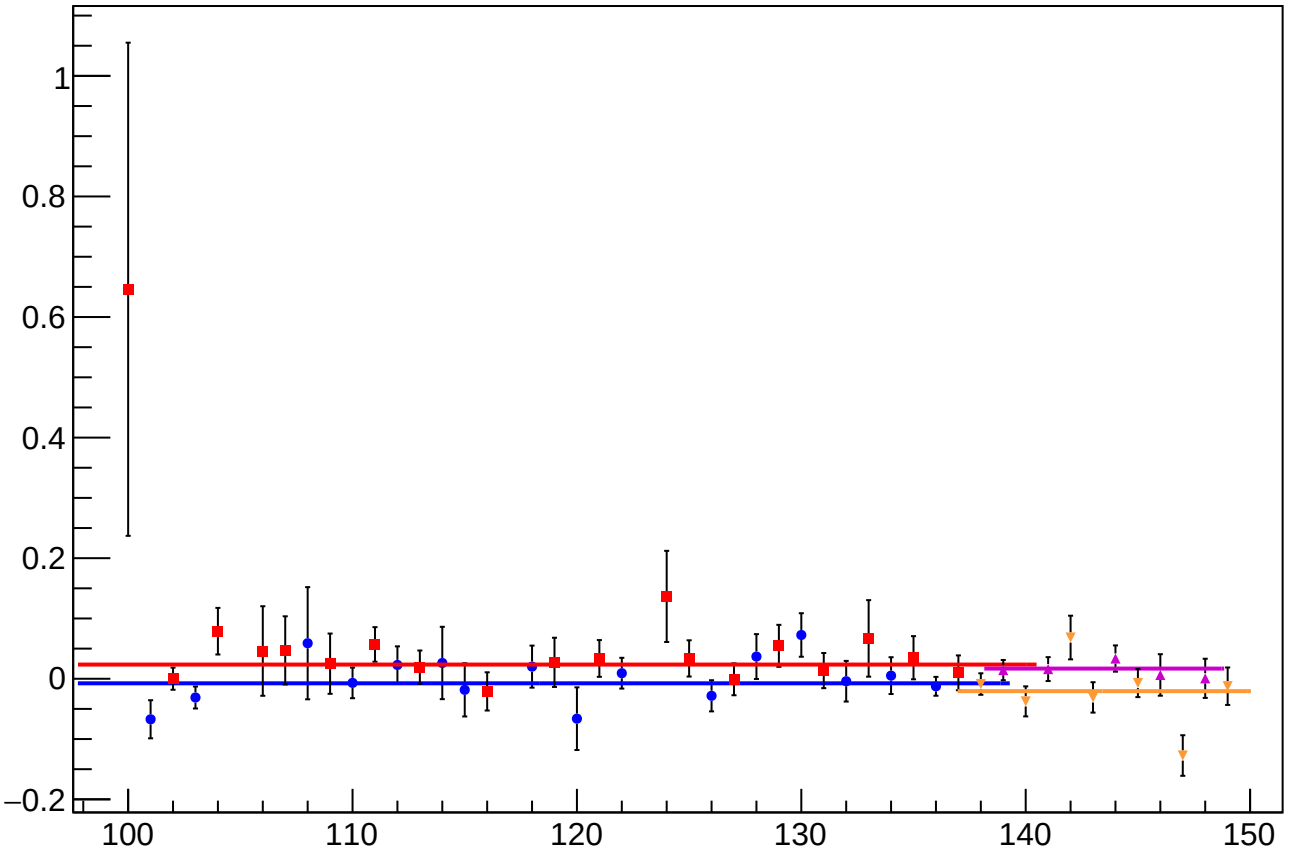
Left: 0.001+/-0.000 χ^2/NDF: 1154921.8/11

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:5098323.7/25

All: 0.001+/-0.000 χ^2/NDF: 7956073.3/46



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.6/6

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.017+/-0.010 χ^2/NDF:1.0/4

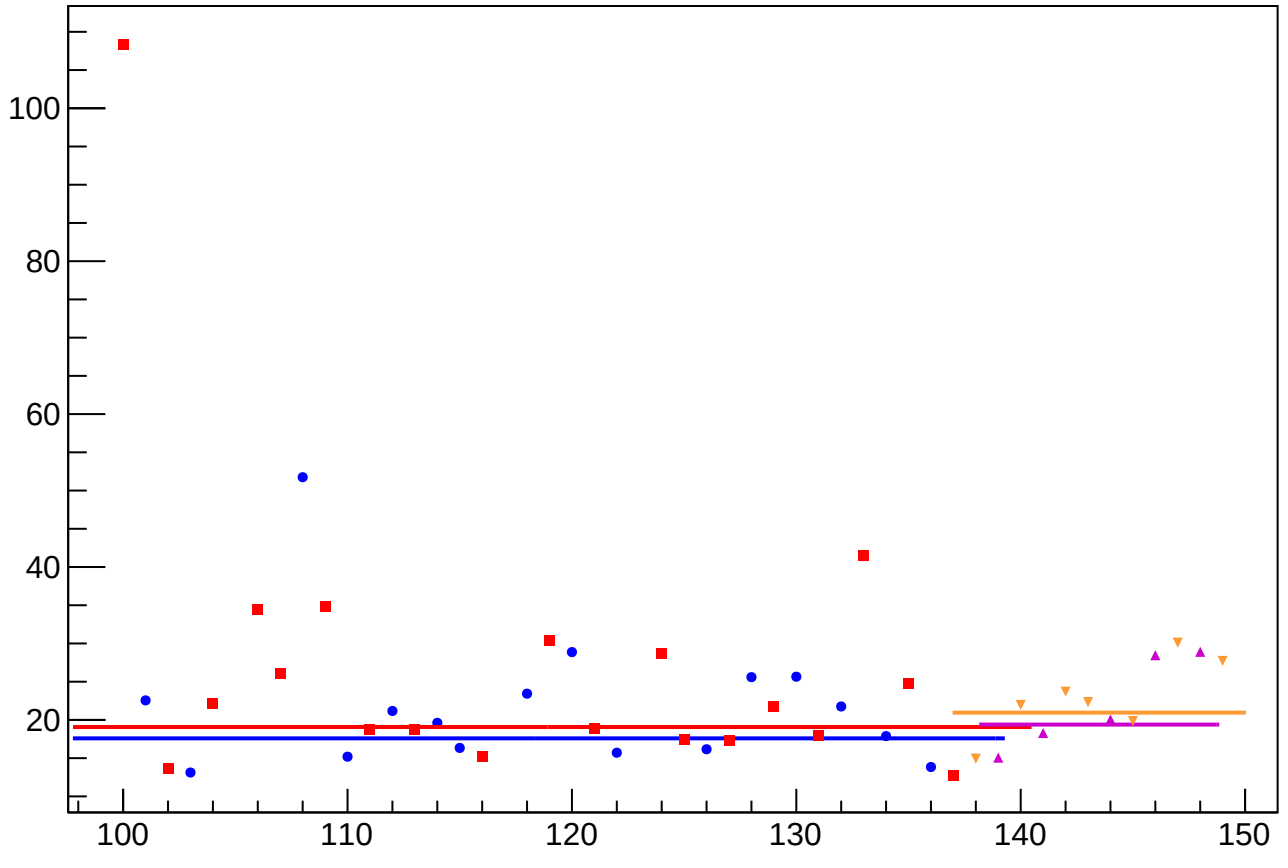
Left: -0.003+/-0.007 χ^2/NDF: 25.8/11

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.006+/-0.006 χ^2/NDF:45.0/25

All: 0.003+/-0.004 χ^2/NDF: 67.0/46



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.956+/-0.007 χ^2/NDF:495805.8/6

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

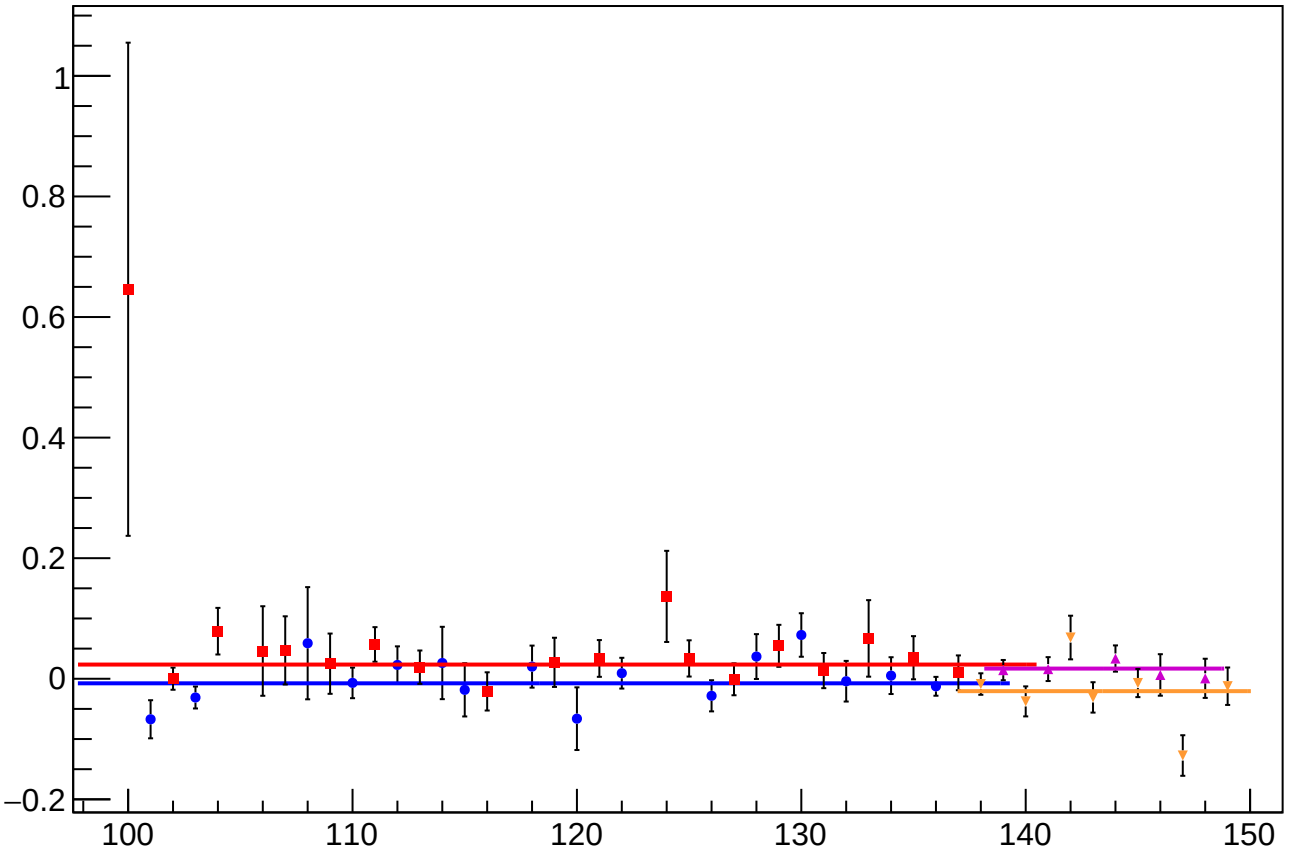
Left: 20.206+/-0.005 χ^2/NDF: 972460.0/11

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.206+/-0.004 χ^2/NDF:1487163.6/20

Out: 19.815+/-0.004 χ^2/NDF:1790370.7/25

All: 18.986+/-0.003 χ^2/NDF: 3350993.2/46



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.6/6

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: -0.003+/-0.007 χ^2/NDF: 25.8/11

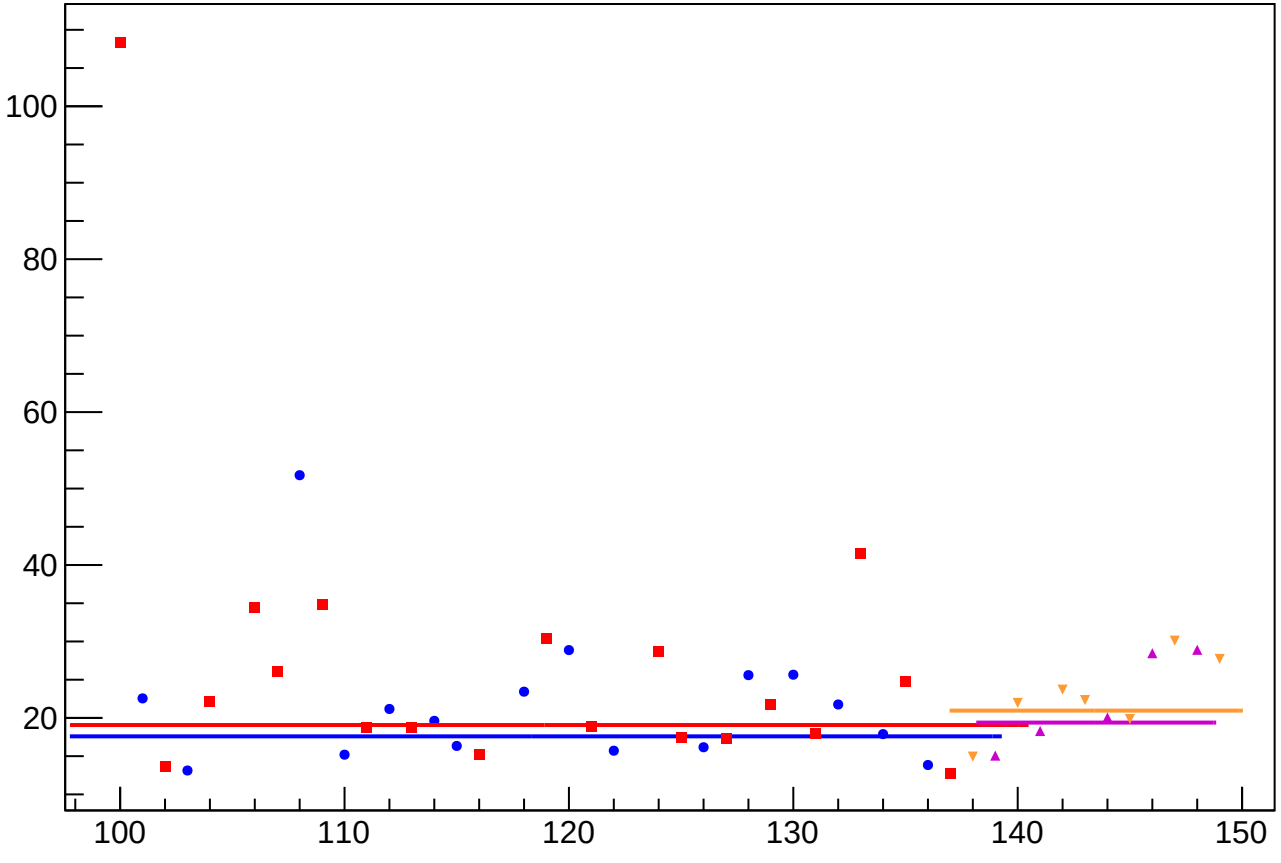
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/20

Out: 0.006+/-0.006 χ^2/NDF:45.0/25

All: 0.003+/-0.004 χ^2/NDF: 67.0/46

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: 20.956+/-0.007 χ^2/NDF:495805.8/6

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 19.392+/-0.007 χ^2/NDF:451190.4/4

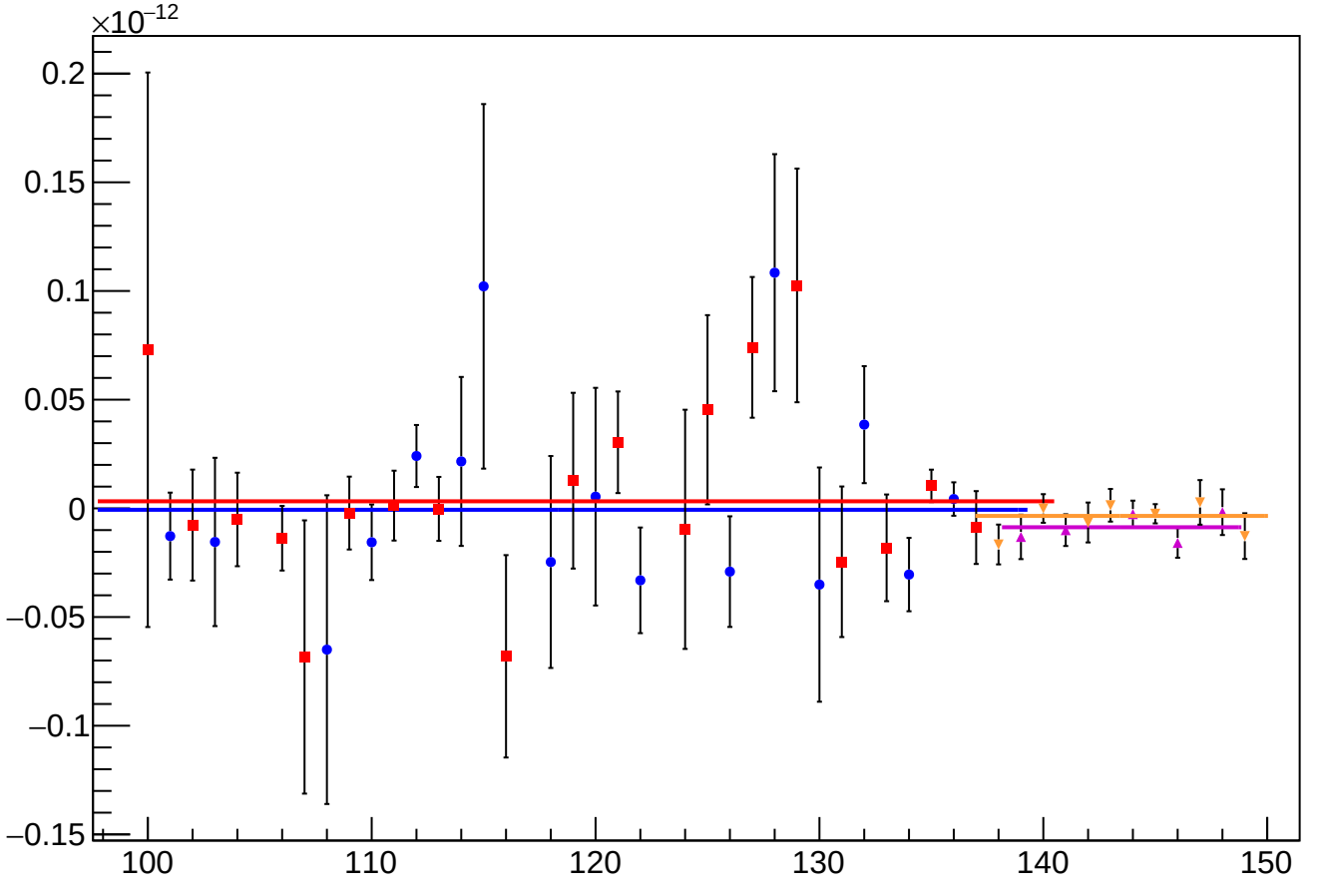
Left: 20.206+/-0.005 χ^2/NDF: 972460.0/11

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.206+/-0.004 χ^2/NDF:1487163.6/20

Out: 19.815+/-0.004 χ^2/NDF:1790370.7/25

All: 18.986+/-0.003 χ^2/NDF: 3350993.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/6

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: 8.2/11

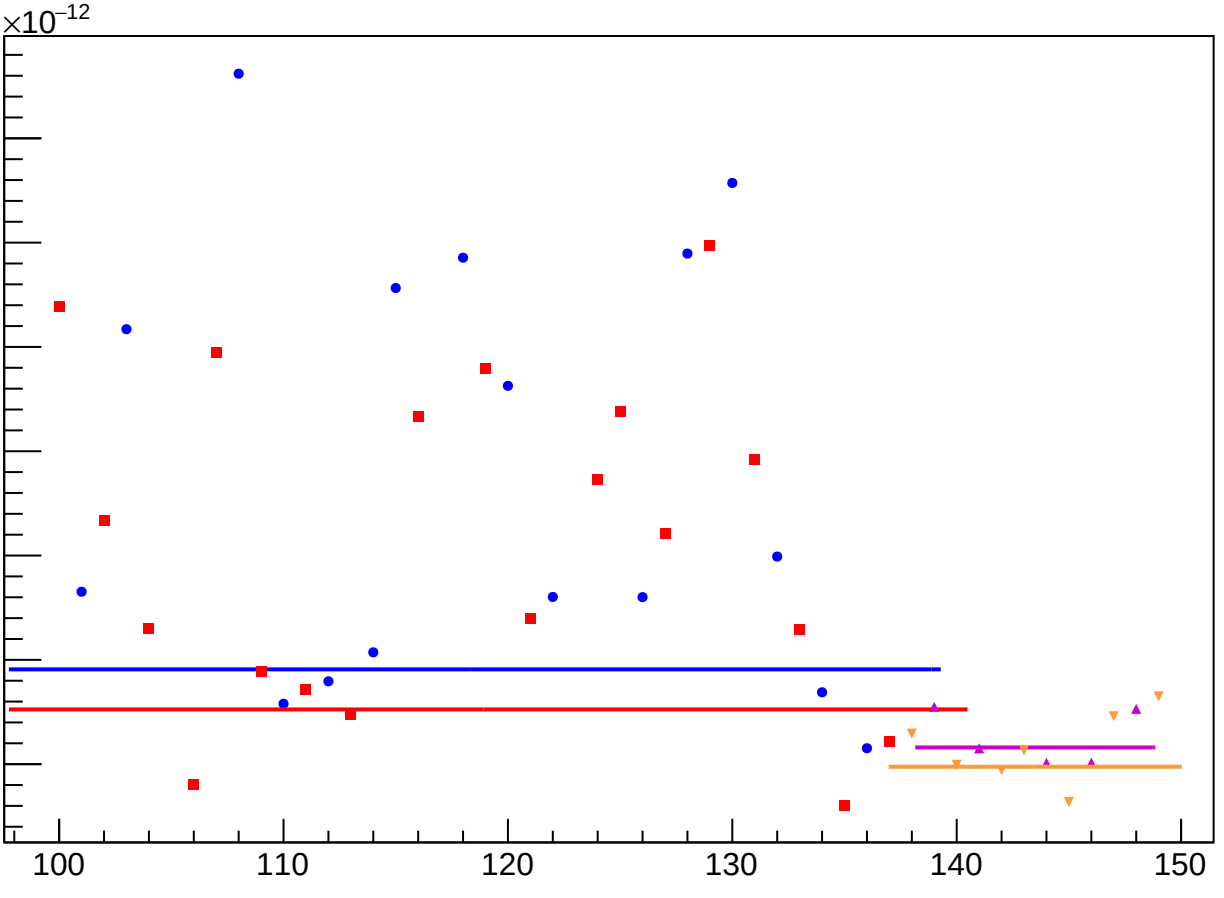
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:24.7/20

Out: -0.000+/-0.000 χ^2/NDF:24.9/25

All: -0.000+/-0.000 χ^2/NDF: 51.1/46

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:691659.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:185176.5/4

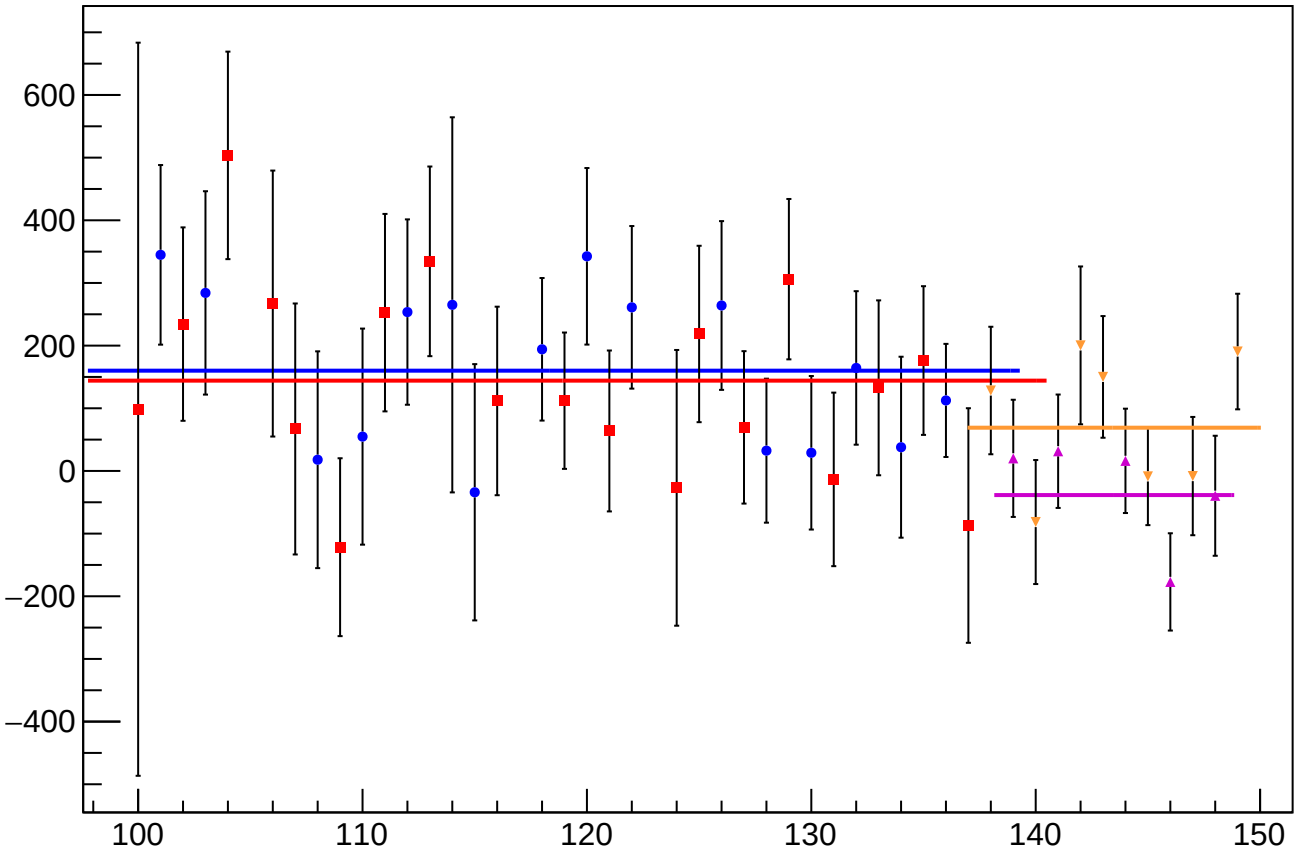
Left: 0.000+/-0.000 χ^2/NDF: 965920.2/11

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:4325557.5/25

All: 0.000+/-0.000 χ^2/NDF: 8165418.7/46



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 69.019+/-36.202 χ^2/NDF:7.8/6

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: 19.328+/-26.549 χ^2/NDF: 16.5/11

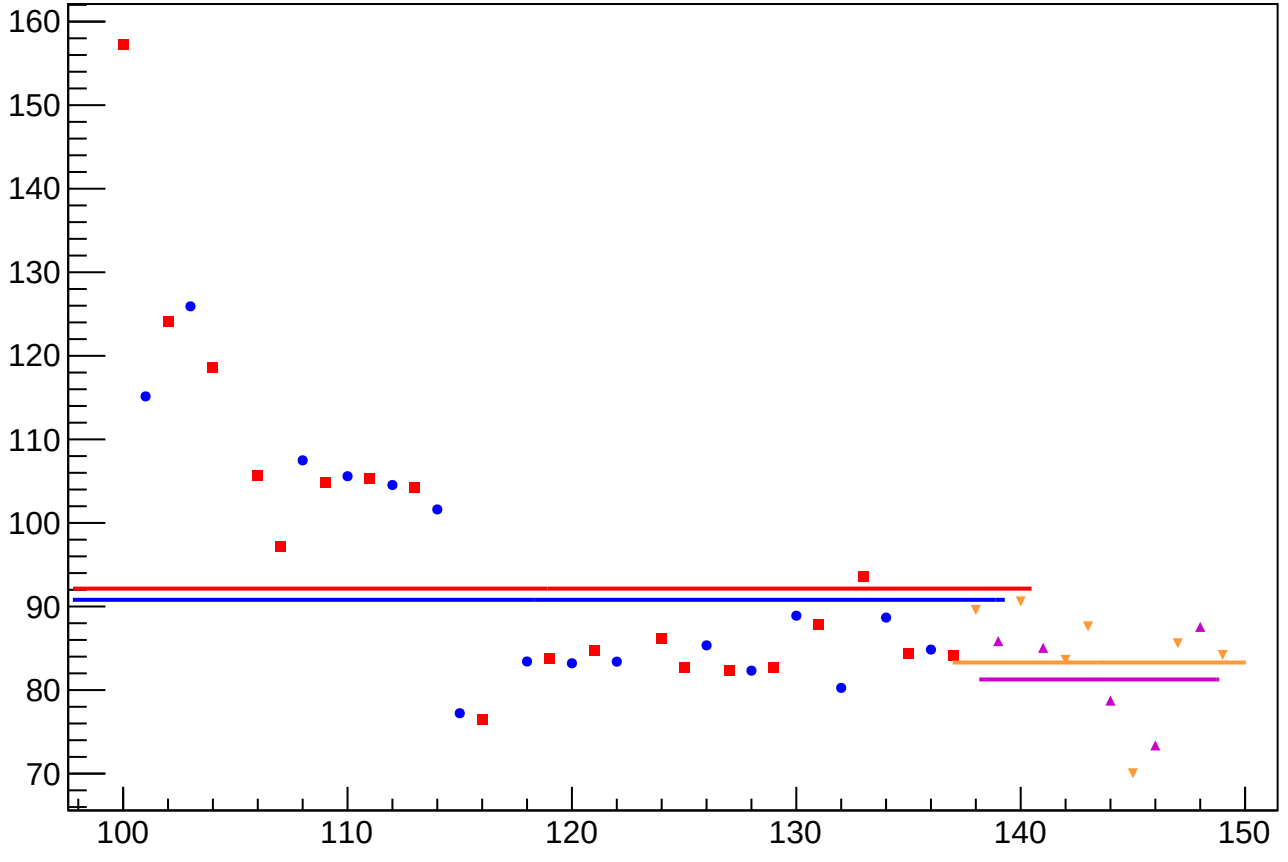
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 73.942+/-25.716 χ^2/NDF:30.3/20

Out: 108.687+/-24.866 χ^2/NDF:27.5/25

All: 91.898+/-17.876 χ^2/NDF: 58.8/46

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: 83.298+/-0.026 χ^2/NDF:82027.9/6

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

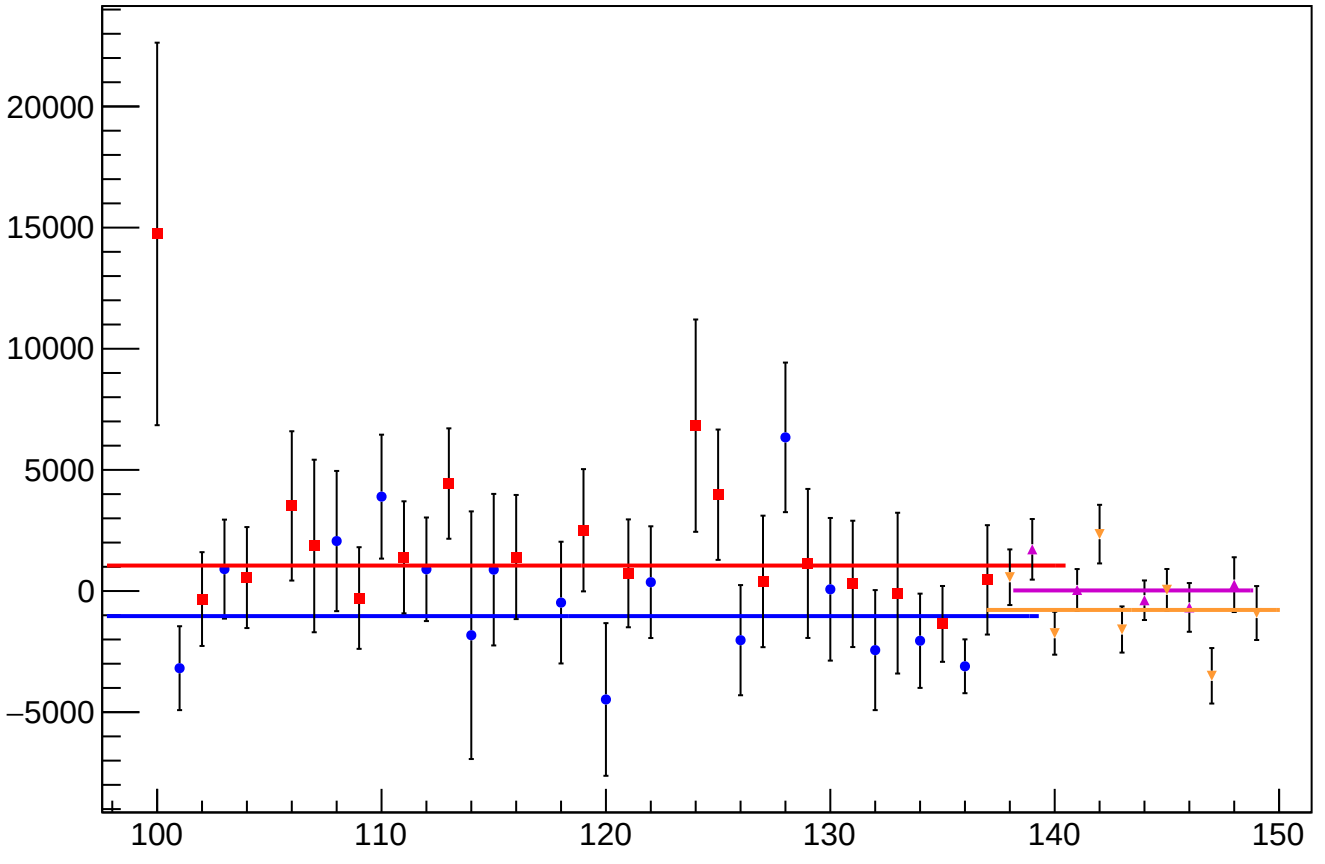
Left: 82.360+/-0.019 χ^2/NDF: 124385.2/11

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.669+/-0.018 χ^2/NDF:379700.1/20

Out: 87.969+/-0.018 χ^2/NDF:447102.1/25

All: 87.341+/-0.013 χ^2/NDF: 829445.4/46



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -780.572+/-385.183 χ^2/NDF:16.5/6

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 24.577+/-436.272 χ^2/NDF:2.6/4

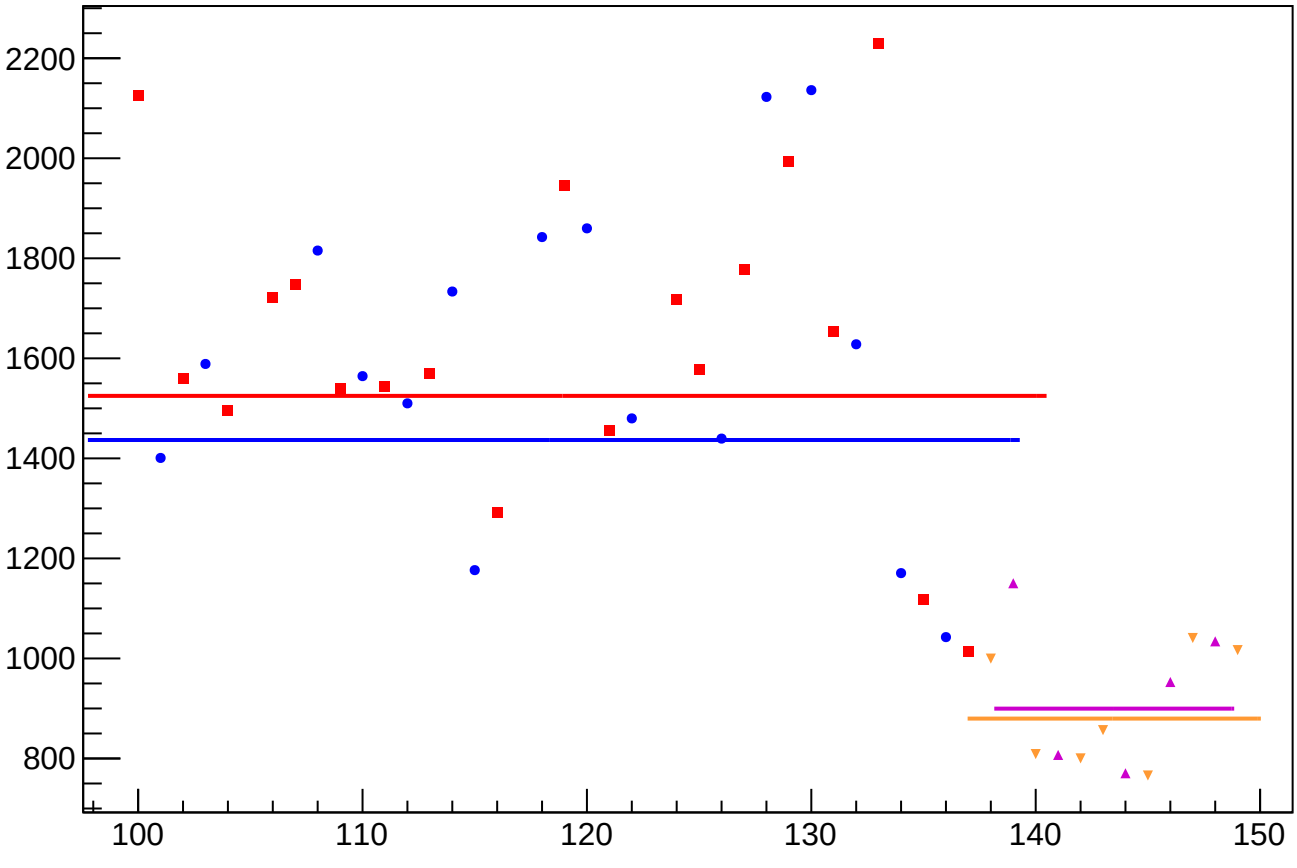
Left: -427.879+/-288.747 χ^2/NDF: 21.1/11

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -384.457+/-341.848 χ^2/NDF:25.1/20

Out: -204.747+/-318.959 χ^2/NDF:36.5/25

All: -288.385+/-233.210 χ^2/NDF: 61.8/46



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 879.772+/-0.272 χ^2/NDF:149345.2/6

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

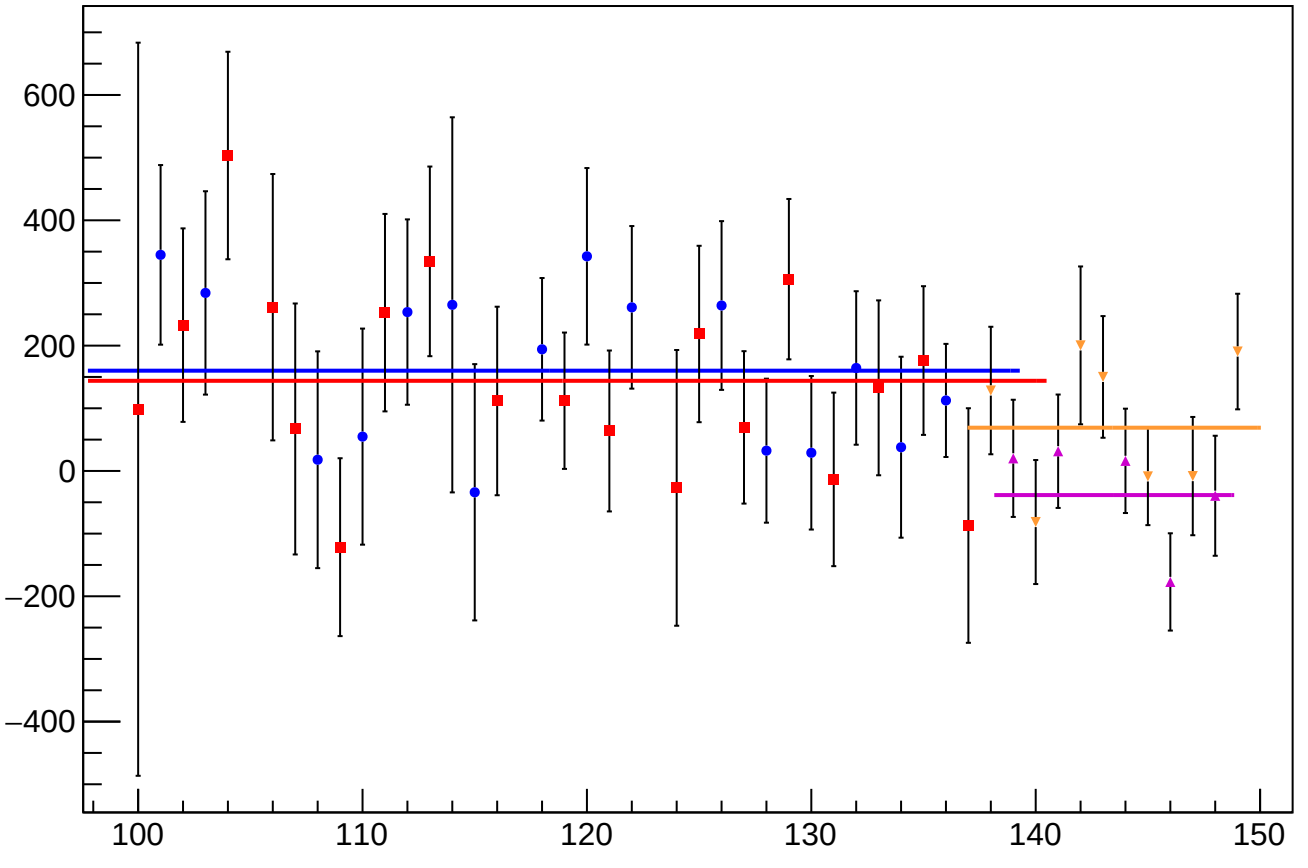
Left: 888.492+/-0.204 χ^2/NDF: 339019.7/11

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1106.994+/-0.242 χ^2/NDF:2032962.5/20

Out: 1082.553+/-0.226 χ^2/NDF:2417530.3/25

All: 1093.928+/-0.165 χ^2/NDF: 4455958.3/46



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 69.021+/-36.202 χ^2/NDF:7.8/6

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: 19.332+/-26.549 χ^2/NDF: 16.5/11

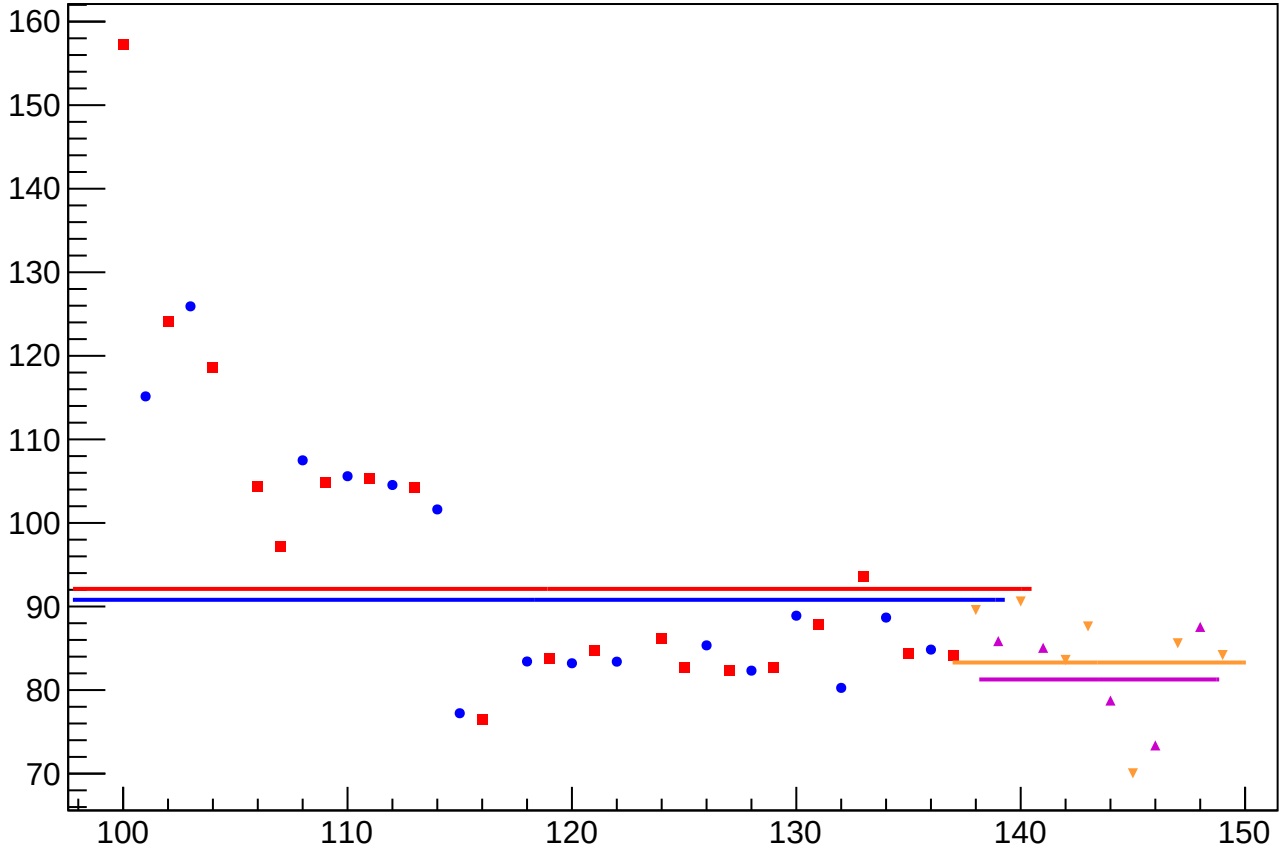
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 73.943+/-25.716 χ^2/NDF:30.3/20

Out: 108.551+/-24.867 χ^2/NDF:27.4/25

All: 91.828+/-17.876 χ^2/NDF: 58.7/46

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.298+/-0.026 χ^2/NDF:82027.9/6

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

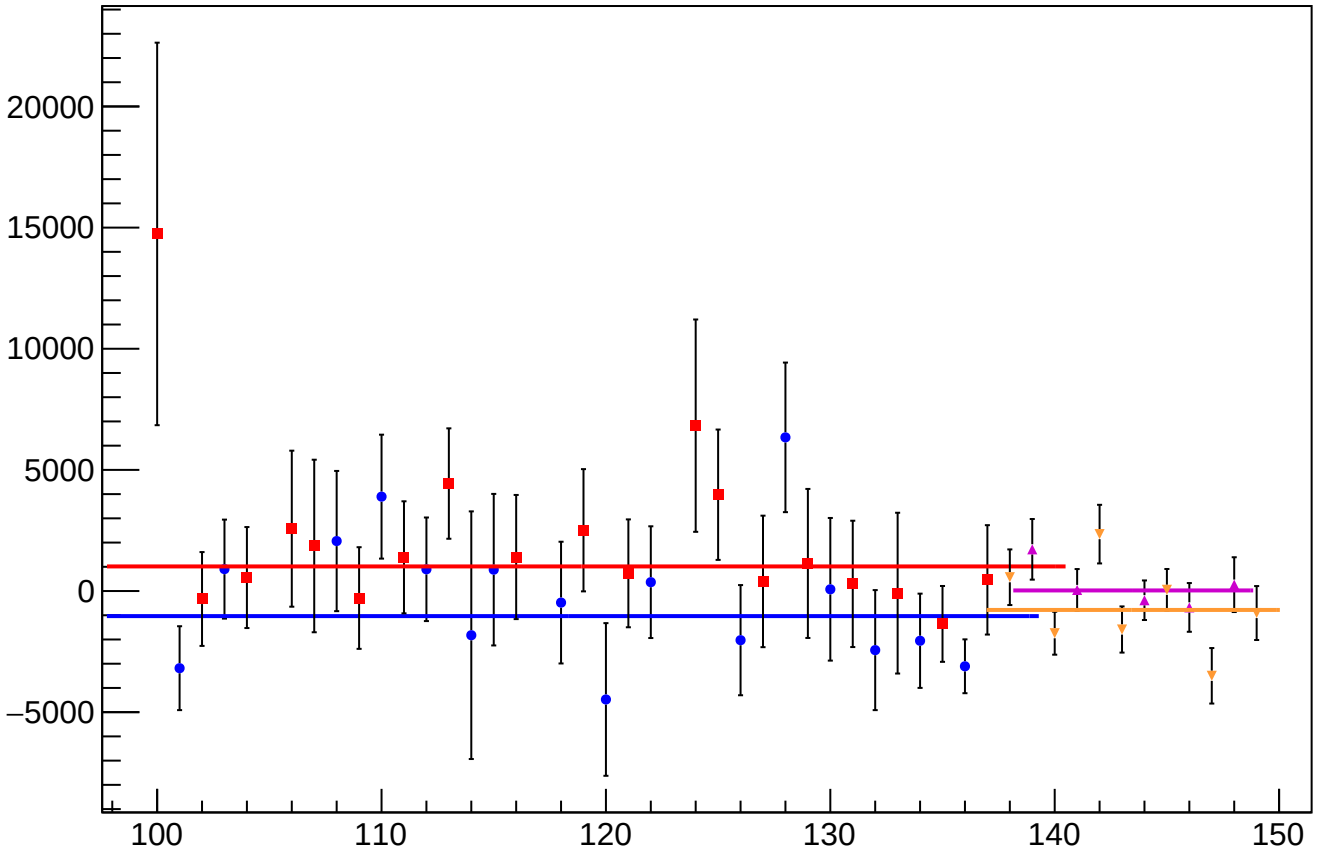
Left: 82.360+/-0.019 χ^2/NDF: 124385.3/11

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.669+/-0.018 χ^2/NDF:379702.0/20

Out: 87.951+/-0.018 χ^2/NDF:445363.3/25

All: 87.331+/-0.013 χ^2/NDF: 827636.8/46



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -780.567+/-385.183 χ^2/NDF:16.5/6

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 24.593+/-436.272 χ^2/NDF:2.6/4

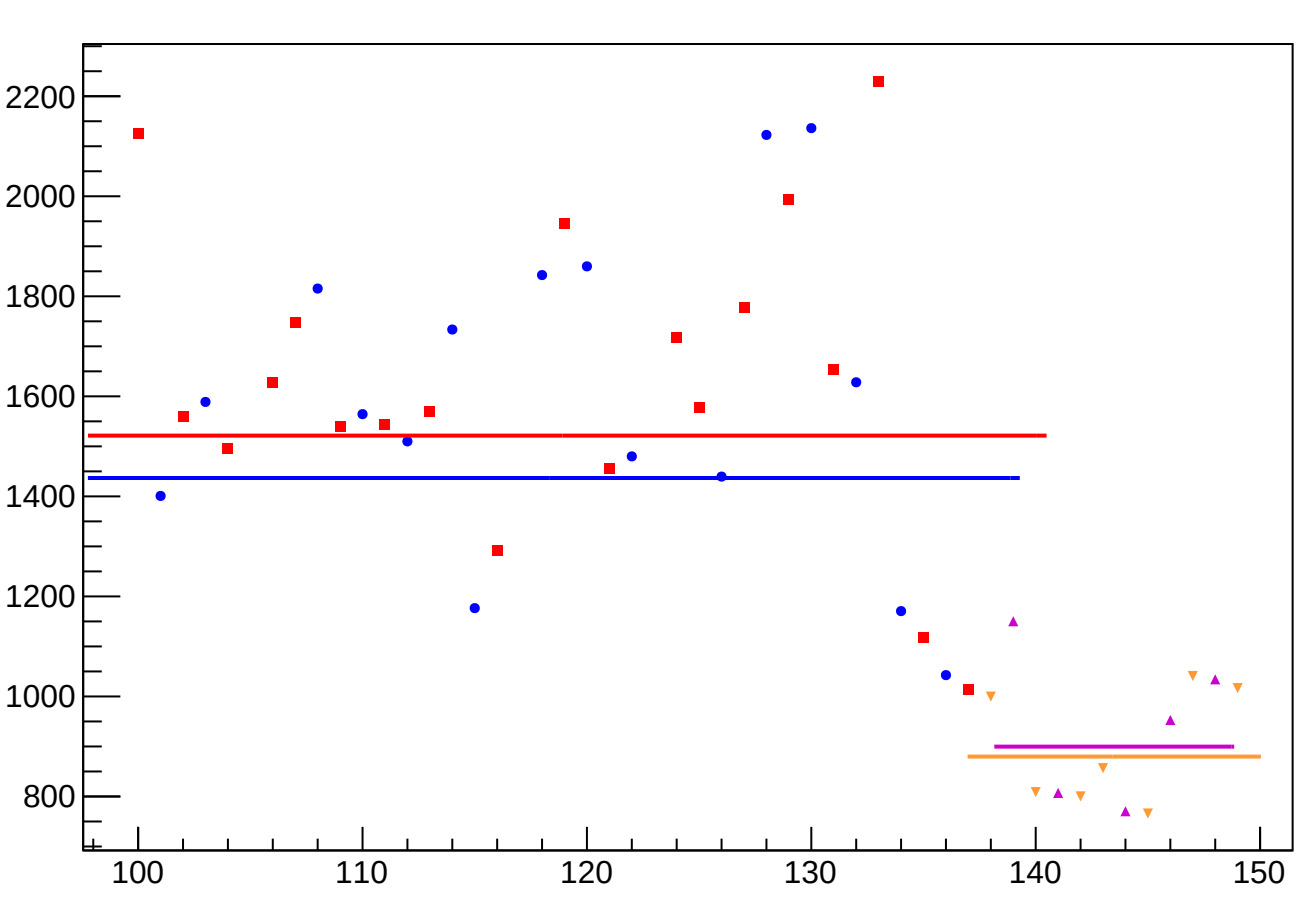
Left: -427.869+/-288.747 χ^2/NDF: 21.1/11

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -384.437+/-341.848 χ^2/NDF:25.1/20

Out: -217.238+/-319.106 χ^2/NDF:35.8/25

All: -295.091+/-233.268 χ^2/NDF: 61.1/46



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 879.772+/-0.272 χ^2/NDF:149345.6/6

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

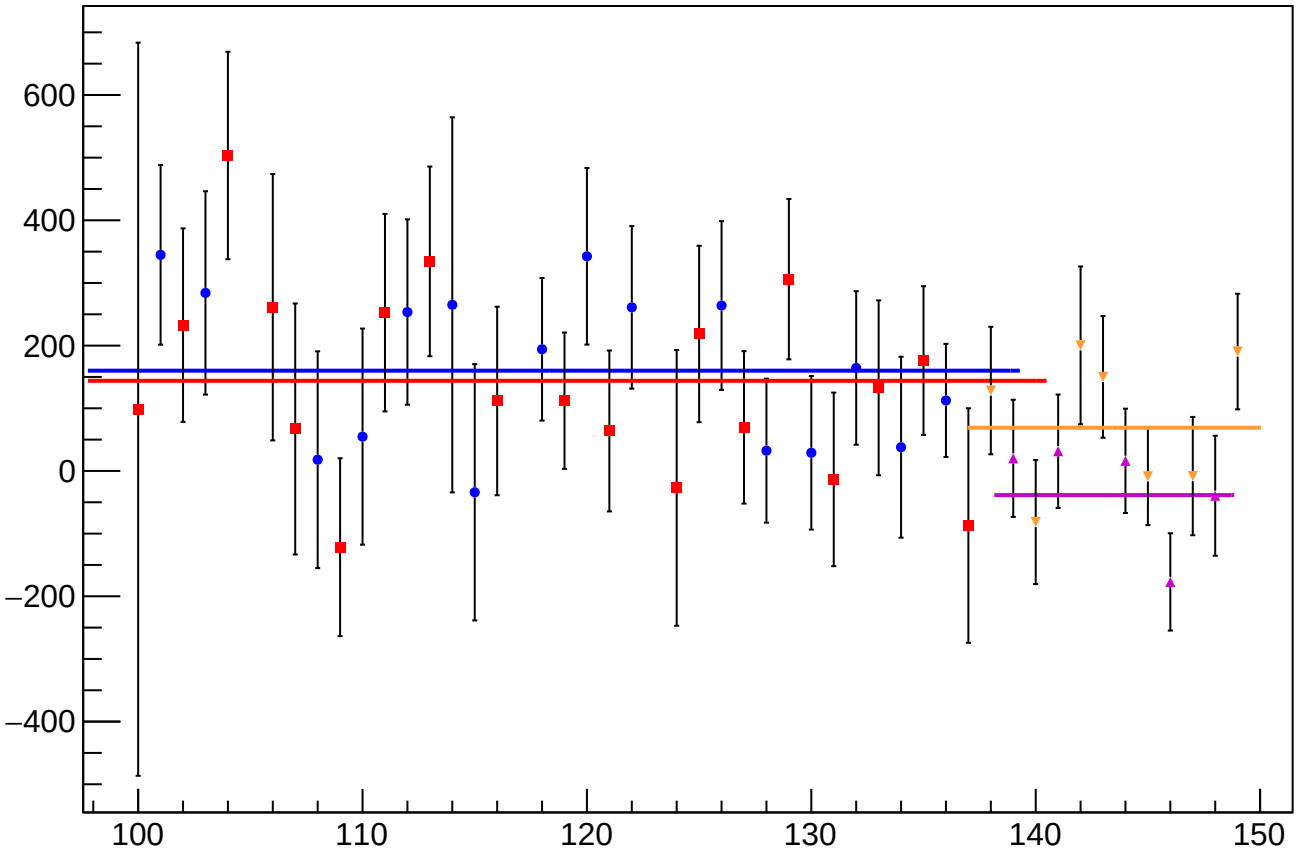
Left: 888.492+/-0.204 χ^2/NDF: 339020.3/11

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1106.995+/-0.242 χ^2/NDF:2032982.4/20

Out: 1081.059+/-0.226 χ^2/NDF:2388952.4/25

All: 1093.135+/-0.165 χ^2/NDF: 4428086.8/46



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 69.021+/-36.202 χ^2/NDF:7.8/6

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -38.490+/-39.052 χ^2/NDF:4.6/4

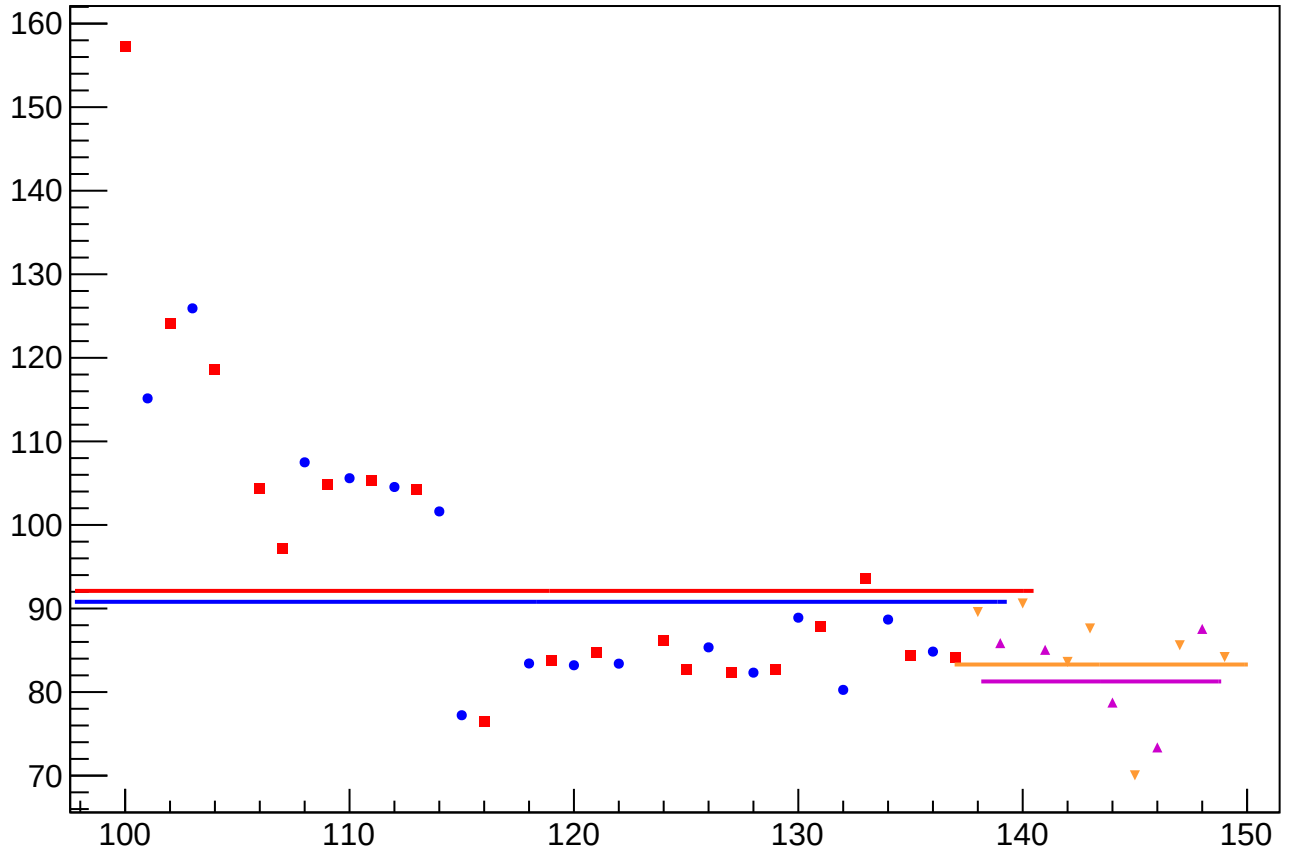
Left: 19.332+/-26.549 χ^2/NDF: 16.5/11

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 73.943+/-25.716 χ^2/NDF:30.3/20

Out: 108.551+/-24.867 χ^2/NDF:27.4/25

All: 91.828+/-17.876 χ^2/NDF: 58.7/46



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.298+/-0.026 χ^2/NDF:82027.9/6

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.270+/-0.028 χ^2/NDF:39456.6/4

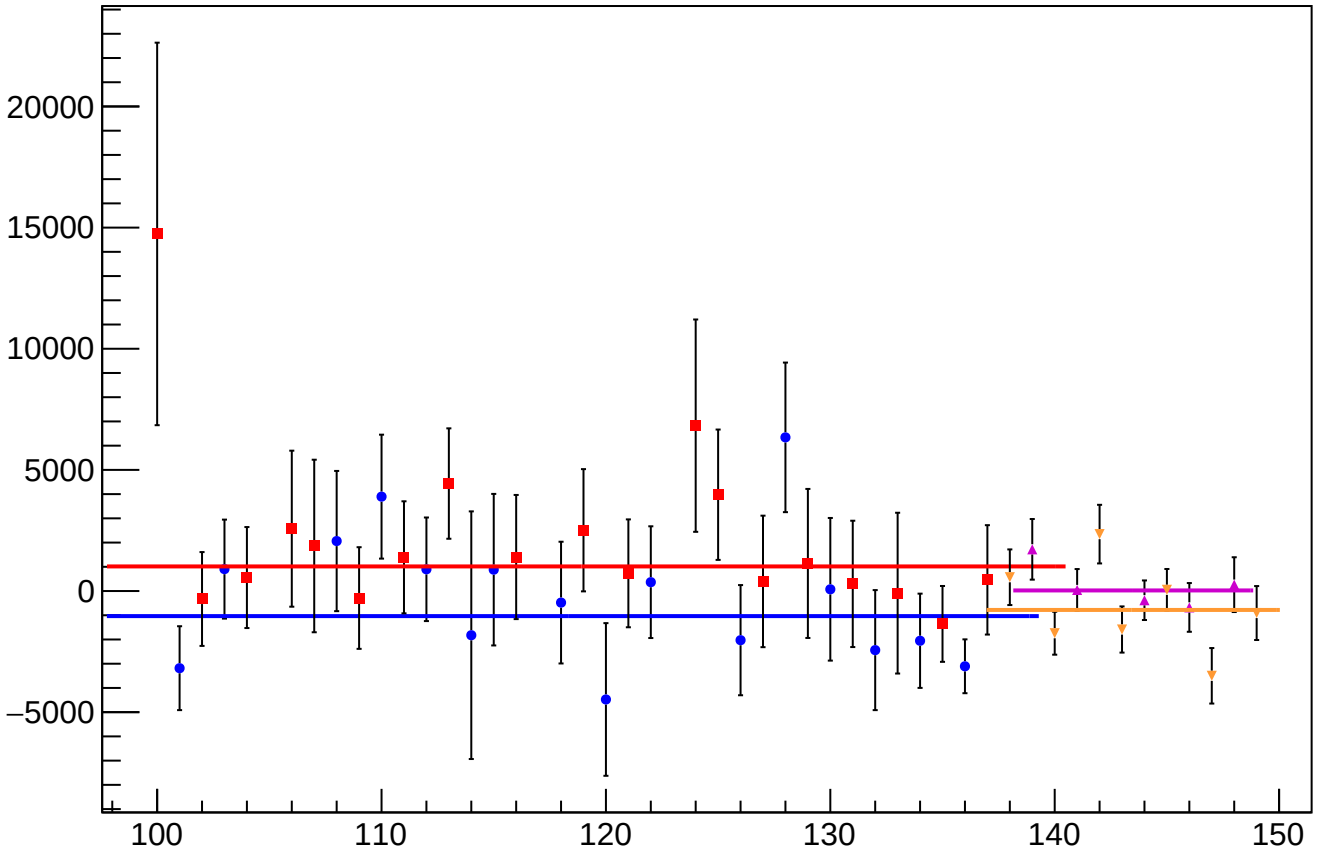
Left: 82.360+/-0.019 χ^2/NDF: 124385.3/11

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.669+/-0.018 χ^2/NDF:379702.0/20

Out: 87.951+/-0.018 χ^2/NDF:445363.3/25

All: 87.331+/-0.013 χ^2/NDF: 827636.8/46



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -780.567+/-385.183 χ^2/NDF:16.5/6

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 24.593+/-436.272 χ^2/NDF:2.6/4

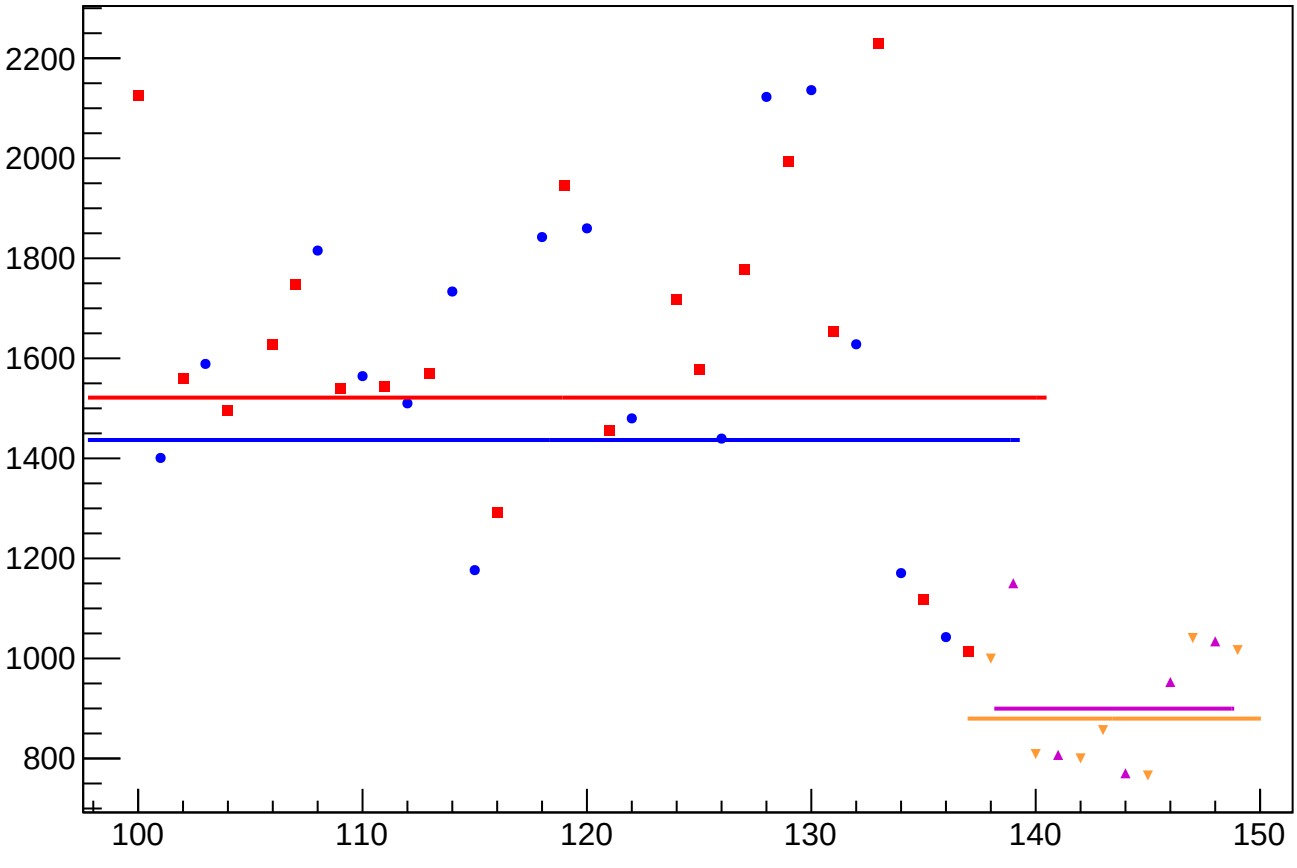
Left: -427.869+/-288.747 χ^2/NDF: 21.1/11

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -384.437+/-341.848 χ^2/NDF:25.1/20

Out: -217.238+/-319.106 χ^2/NDF:35.8/25

All: -295.091+/-233.268 χ^2/NDF: 61.1/46



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 879.772+/-0.272 χ^2/NDF:149345.6/6

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 899.678+/-0.308 χ^2/NDF:187334.8/4

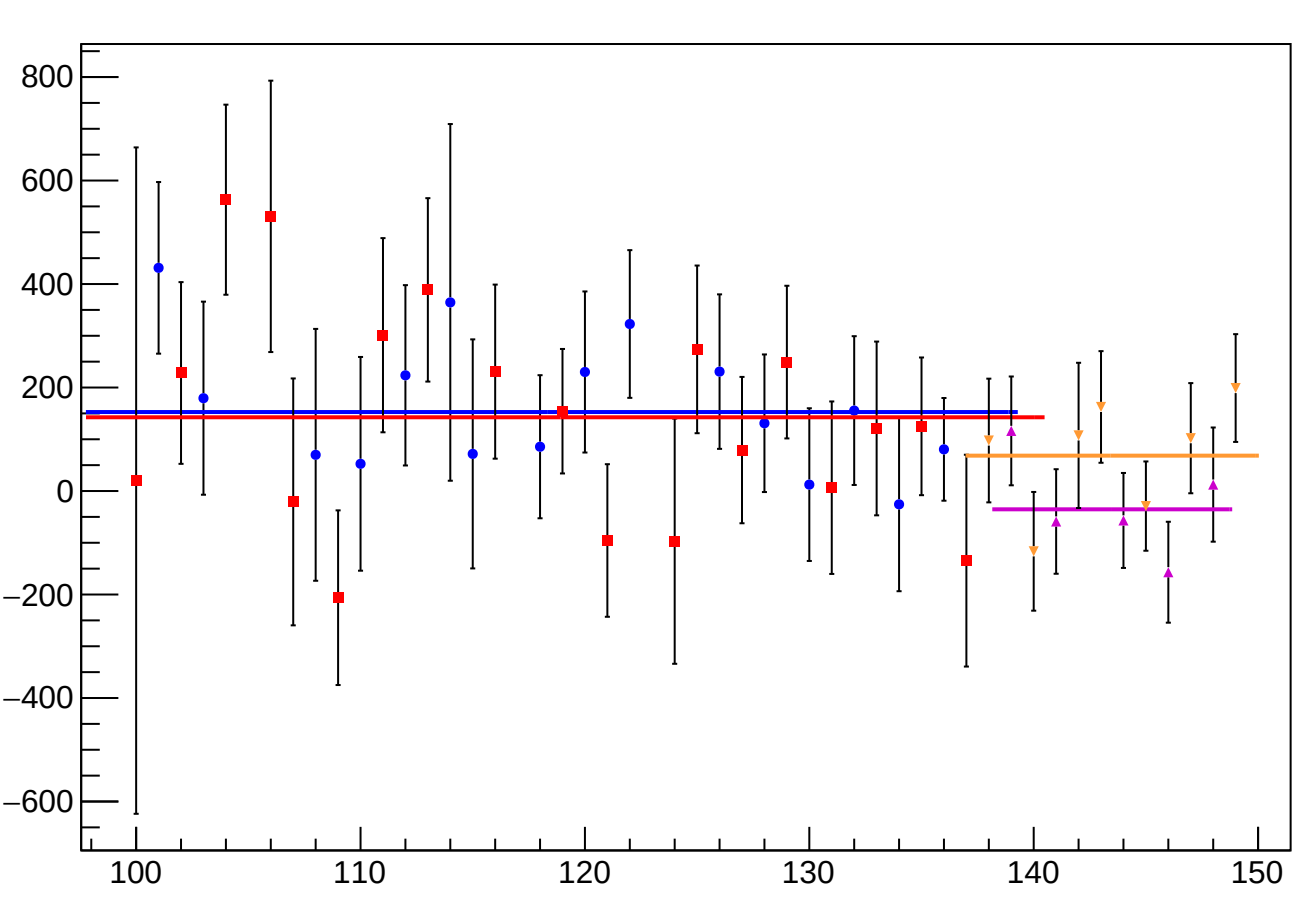
Left: 888.492+/-0.204 χ^2/NDF: 339020.3/11

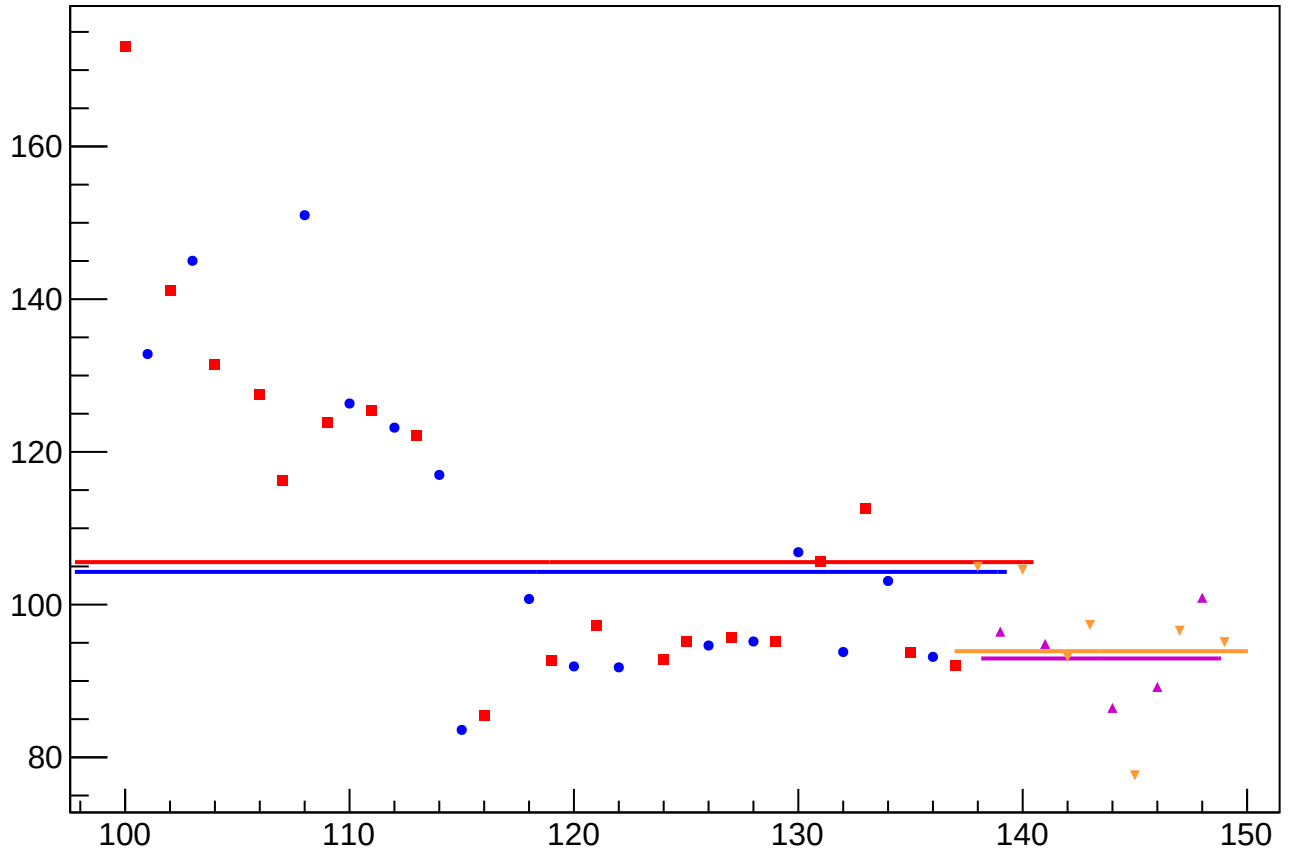
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1106.995+/-0.242 χ^2/NDF:2032982.4/20

Out: 1081.059+/-0.226 χ^2/NDF:2388952.4/25

All: 1093.135+/-0.165 χ^2/NDF: 4428086.8/46


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: 68.363+/-40.907 χ²/NDF:6.4/6
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -35.363+/-44.968 χ²/NDF:3.9/4
Left: 21.394+/-30.260 χ²/NDF: 13.3/11
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 70.877+/-29.654 χ²/NDF:22.4/20
Out: 106.877+/-28.356 χ²/NDF:31.1/25
All: 89.682+/-20.494 χ²/NDF: 54.3/46



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 93.905+/-0.029 χ^2/NDF:109042.6/6

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 92.948+/-0.032 χ^2/NDF:26198.4/4

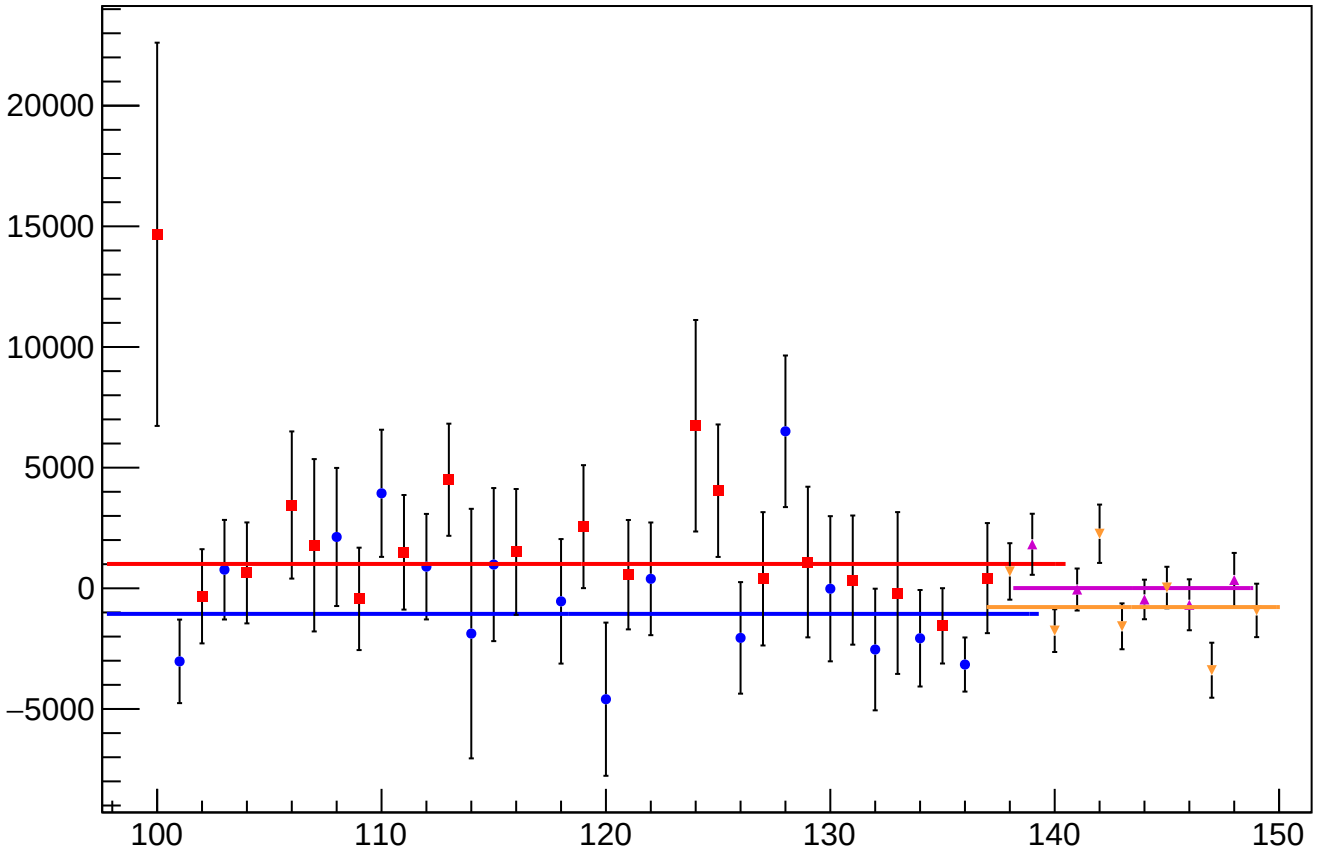
Left: 93.472+/-0.021 χ^2/NDF: 135736.8/11

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 99.356+/-0.021 χ^2/NDF:476366.9/20

Out: 99.964+/-0.020 χ^2/NDF:538111.2/25

All: 99.674+/-0.014 χ^2/NDF: 1014918.3/46



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -777.363+/-385.438 χ^2/NDF:16.0/6

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 9.954+/-441.704 χ^2/NDF:2.9/4

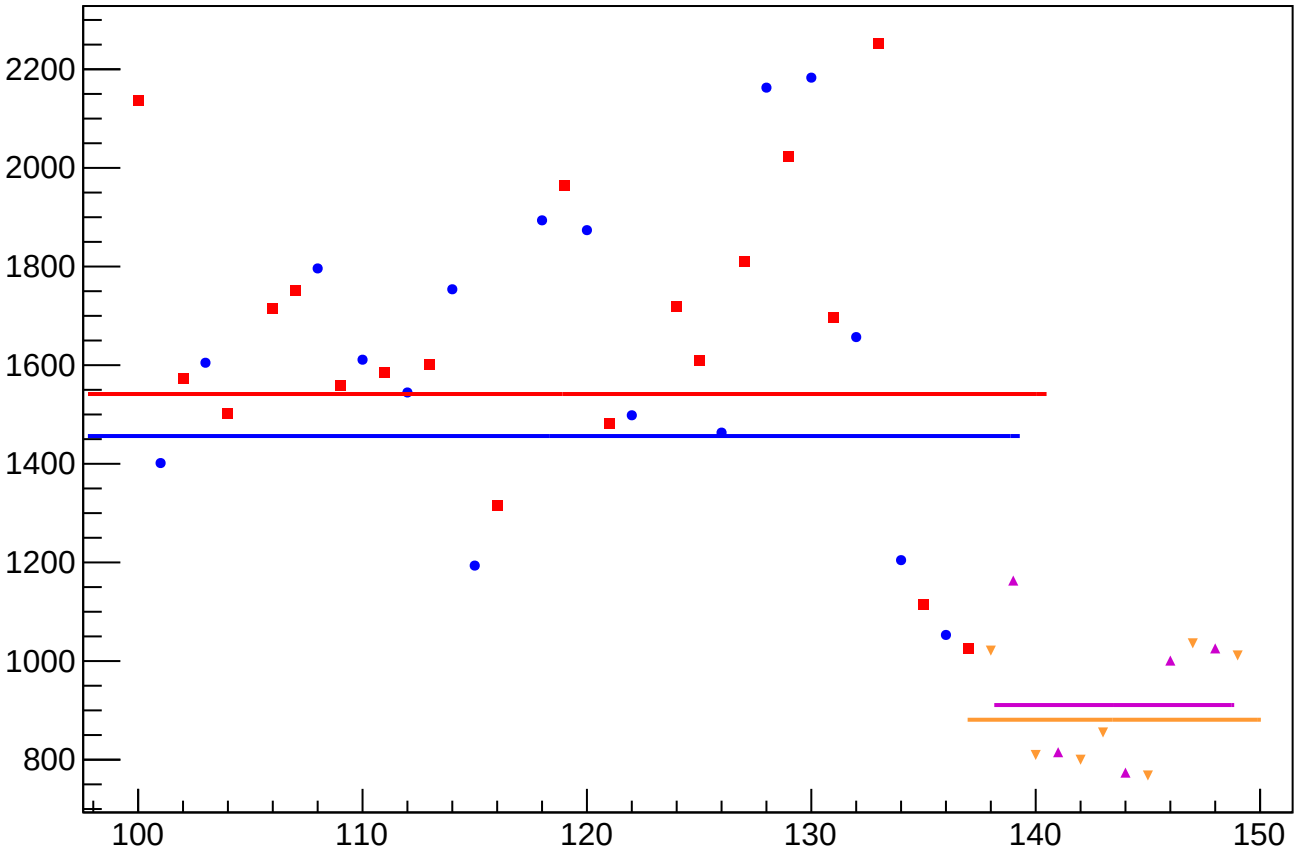
Left: -437.015+/-290.414 χ^2/NDF: 20.7/11

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -402.292+/-346.245 χ^2/NDF:25.2/20

Out: -223.389+/-320.179 χ^2/NDF:36.0/25

All: -305.854+/-235.076 χ^2/NDF: 61.3/46



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 881.044+/-0.273 χ^2/NDF:151384.2/6

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 910.835+/-0.312 χ^2/NDF:195250.5/4

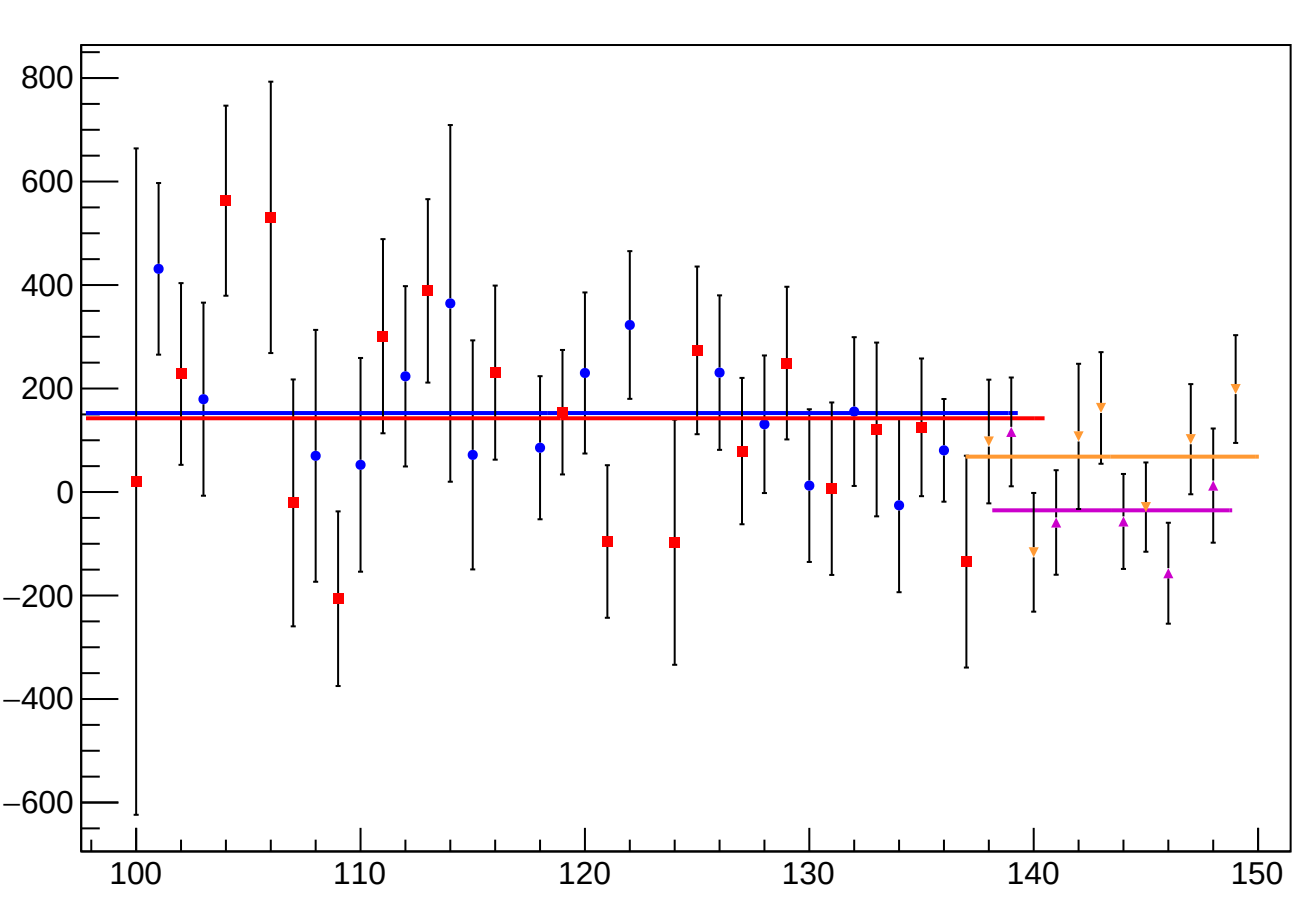
Left: 893.923+/-0.205 χ^2/NDF: 351799.7/11

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1121.127+/-0.245 χ^2/NDF:2055922.1/20

Out: 1085.763+/-0.226 χ^2/NDF:2490997.5/25

All: 1102.064+/-0.166 χ^2/NDF: 4558165.8/46


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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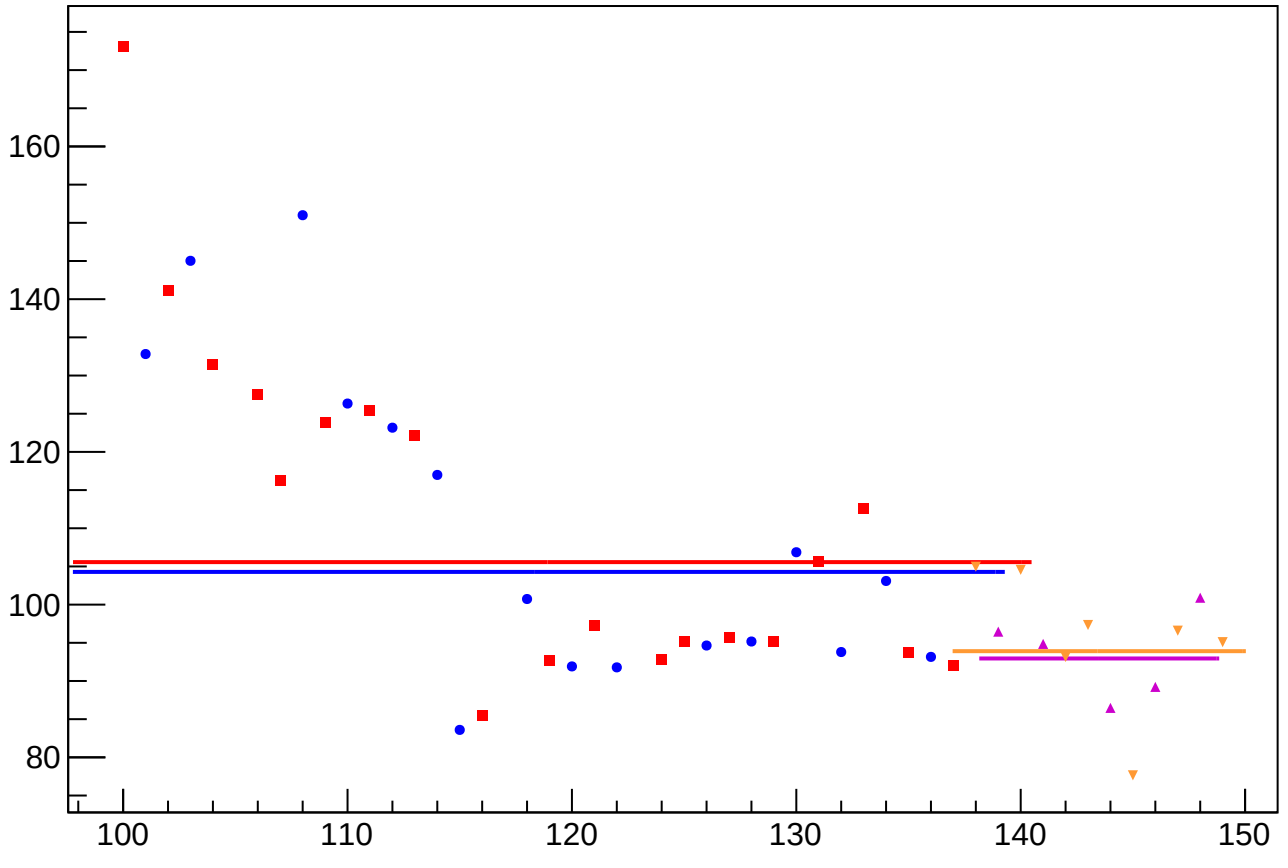
−200
−400
−600
100
110
120
130
140
150
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: 68.360+/-40.907 χ²/NDF:6.4/6
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -35.363+/-44.968 χ²/NDF:3.9/4
Left: 21.393+/-30.260 χ²/NDF: 13.3/11
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 70.879+/-29.654 χ²/NDF:22.4/20
Out: 106.874+/-28.356 χ²/NDF:31.1/25
All: 89.682+/-20.494 χ²/NDF: 54.3/46



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 93.905+/-0.029 χ^2/NDF:109042.0/6

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: 93.471+/-0.021 χ^2/NDF: 135736.3/11

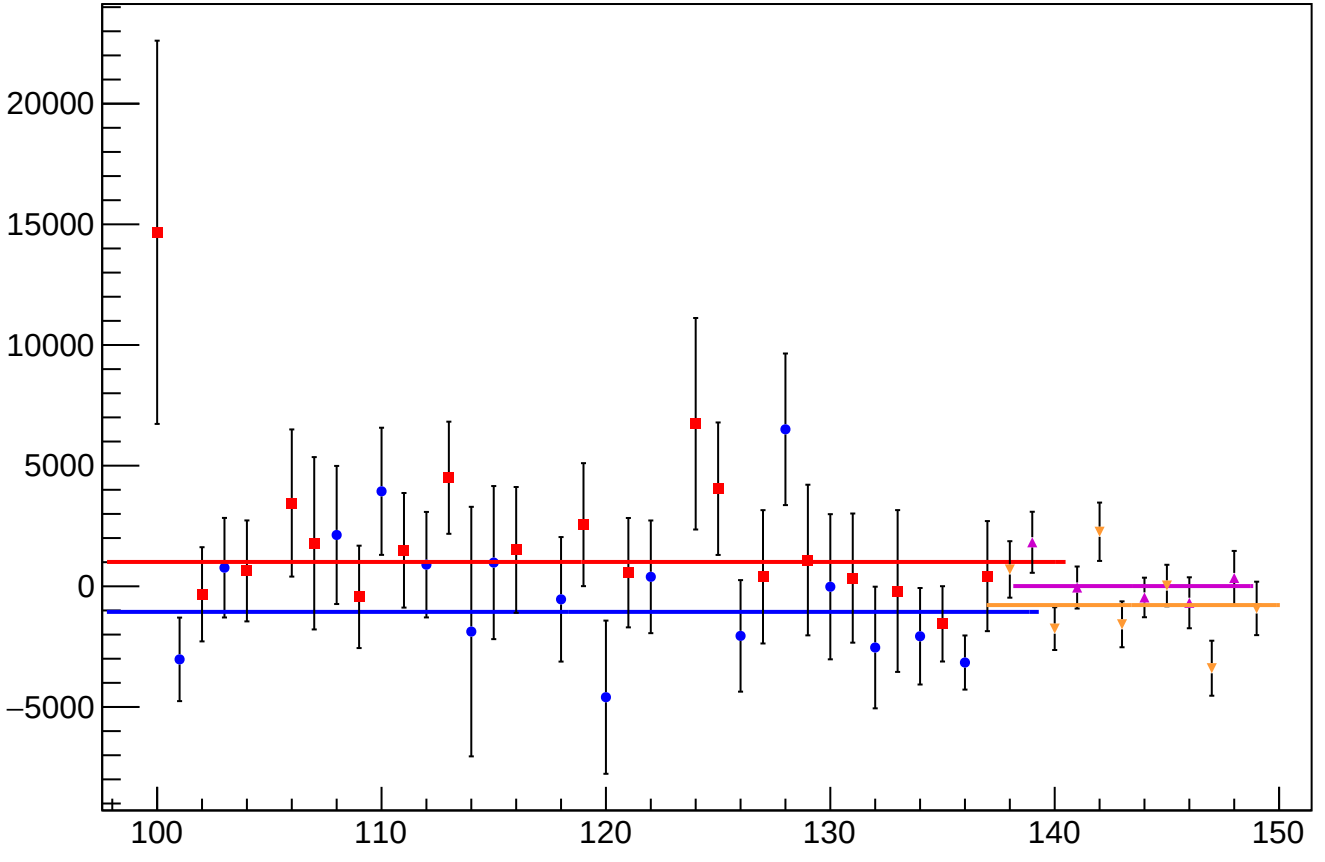
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 99.355+/-0.021 χ^2/NDF:476358.6/20

Out: 99.964+/-0.020 χ^2/NDF:538100.2/25

All: 99.673+/-0.014 χ^2/NDF: 1014899.3/46

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -777.364+/-385.437 χ^2/NDF:16.0/6

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 9.955+/-441.704 χ^2/NDF:2.9/4

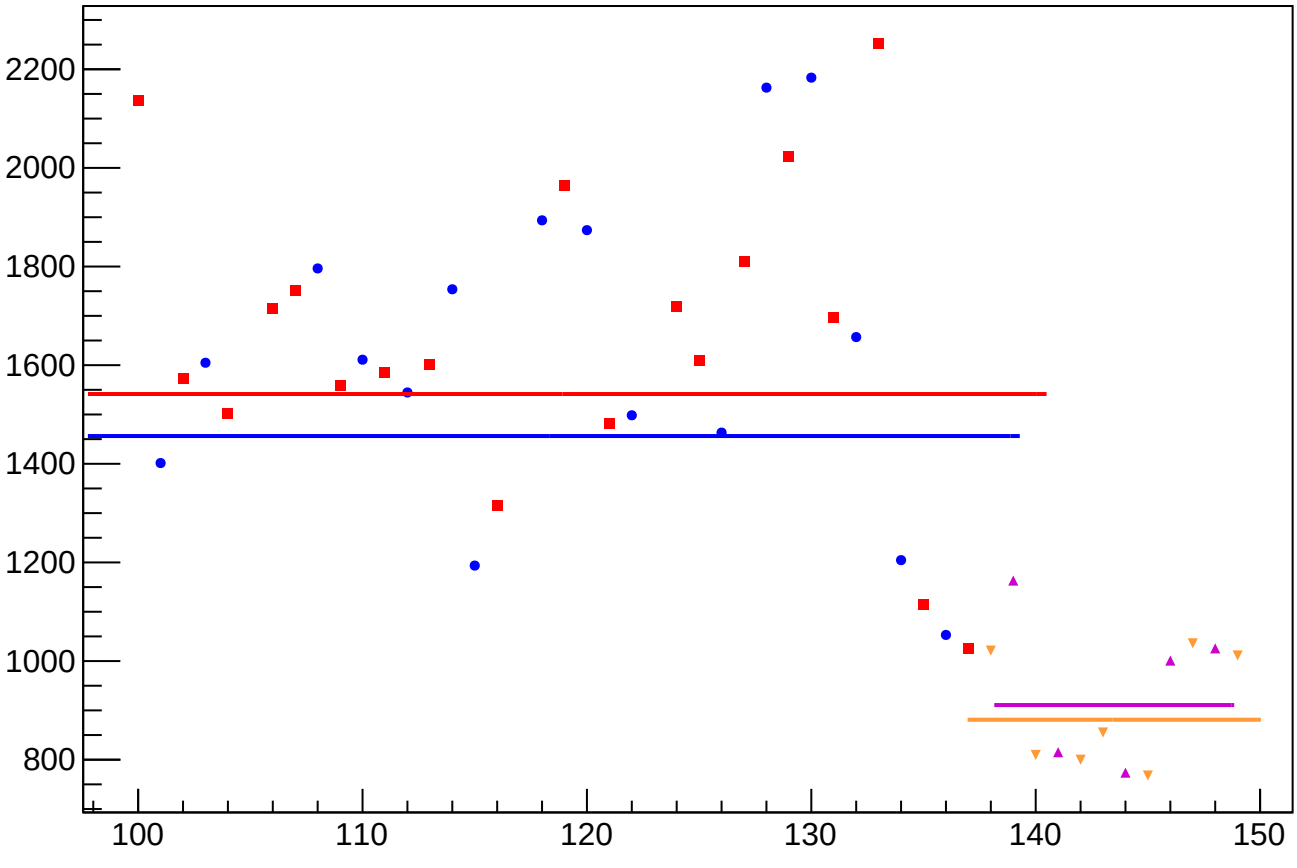
Left: -437.015+/-290.414 χ^2/NDF: 20.7/11

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -402.290+/-346.245 χ^2/NDF:25.2/20

Out: -223.390+/-320.179 χ^2/NDF:36.0/25

All: -305.853+/-235.076 χ^2/NDF: 61.3/46



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 881.043+/-0.273 χ^2/NDF:151385.0/6

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 910.834+/-0.312 χ^2/NDF:195250.1/4

Left: 893.922+/-0.205 χ^2/NDF: 351800.1/11

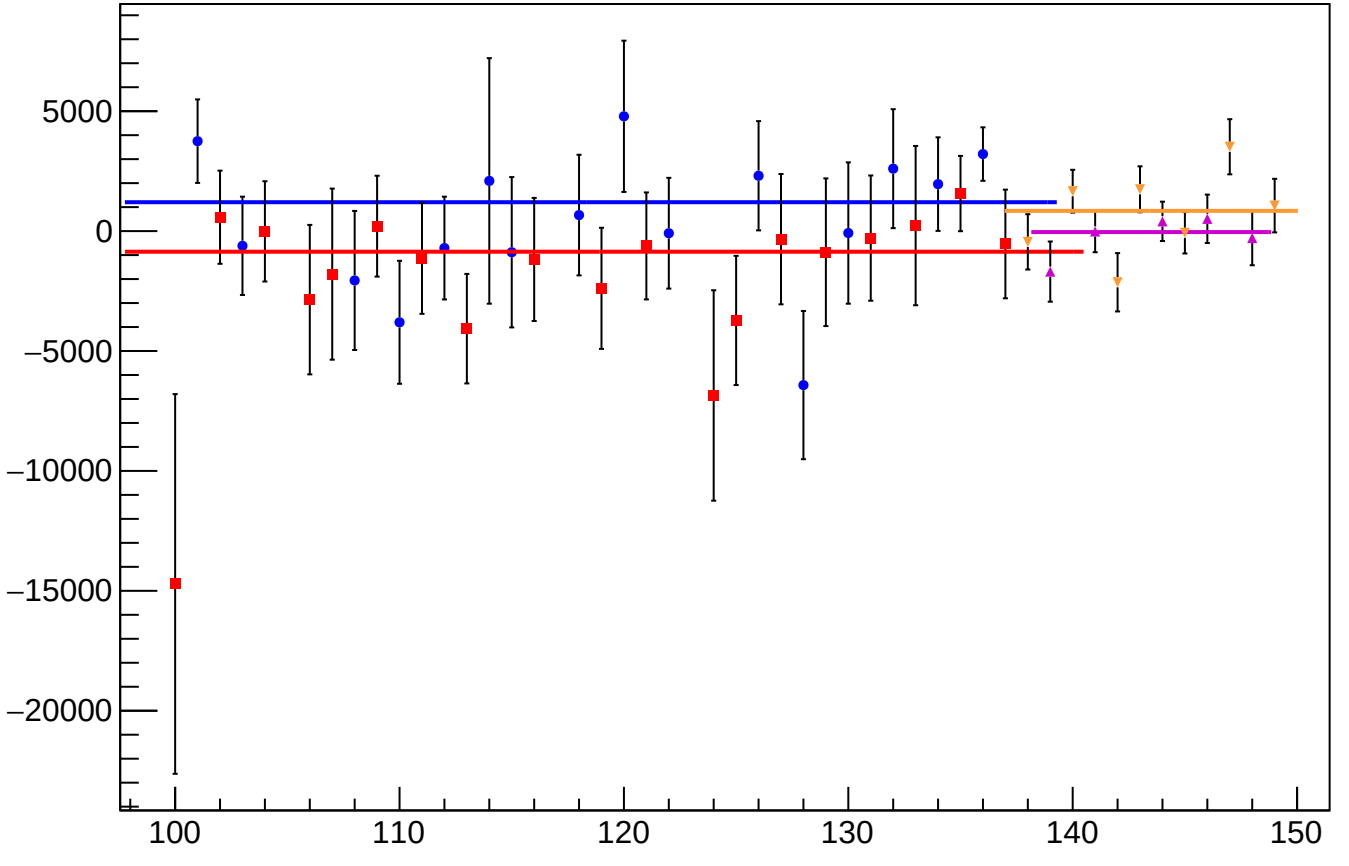
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1121.125+/-0.245 χ^2/NDF:2055915.1/20

Out: 1085.762+/-0.226 χ^2/NDF:2490994.4/25

All: 1102.062+/-0.166 χ^2/NDF: 4558155.8/46

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 843.638+/-387.044 χ^2/NDF:15.5/6

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: 456.153+/-290.098 χ^2/NDF: 20.2/11

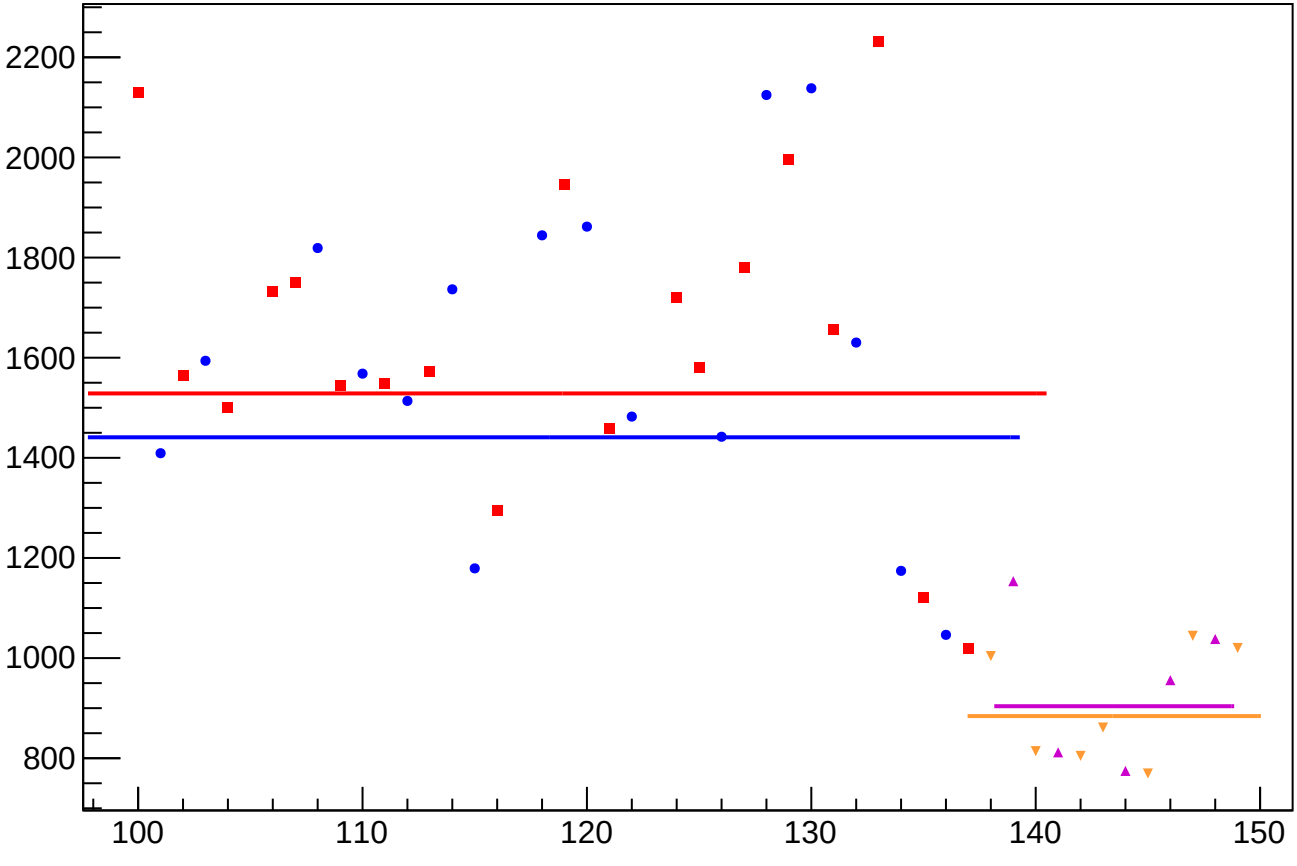
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 441.127+/-343.153 χ^2/NDF:26.6/20

Out: 306.747+/-320.271 χ^2/NDF:34.1/25

All: 369.307+/-234.138 χ^2/NDF: 60.9/46

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 884.174+/-0.274 χ^2/NDF:147534.8/6

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 903.895+/-0.310 χ^2/NDF:184659.3/4

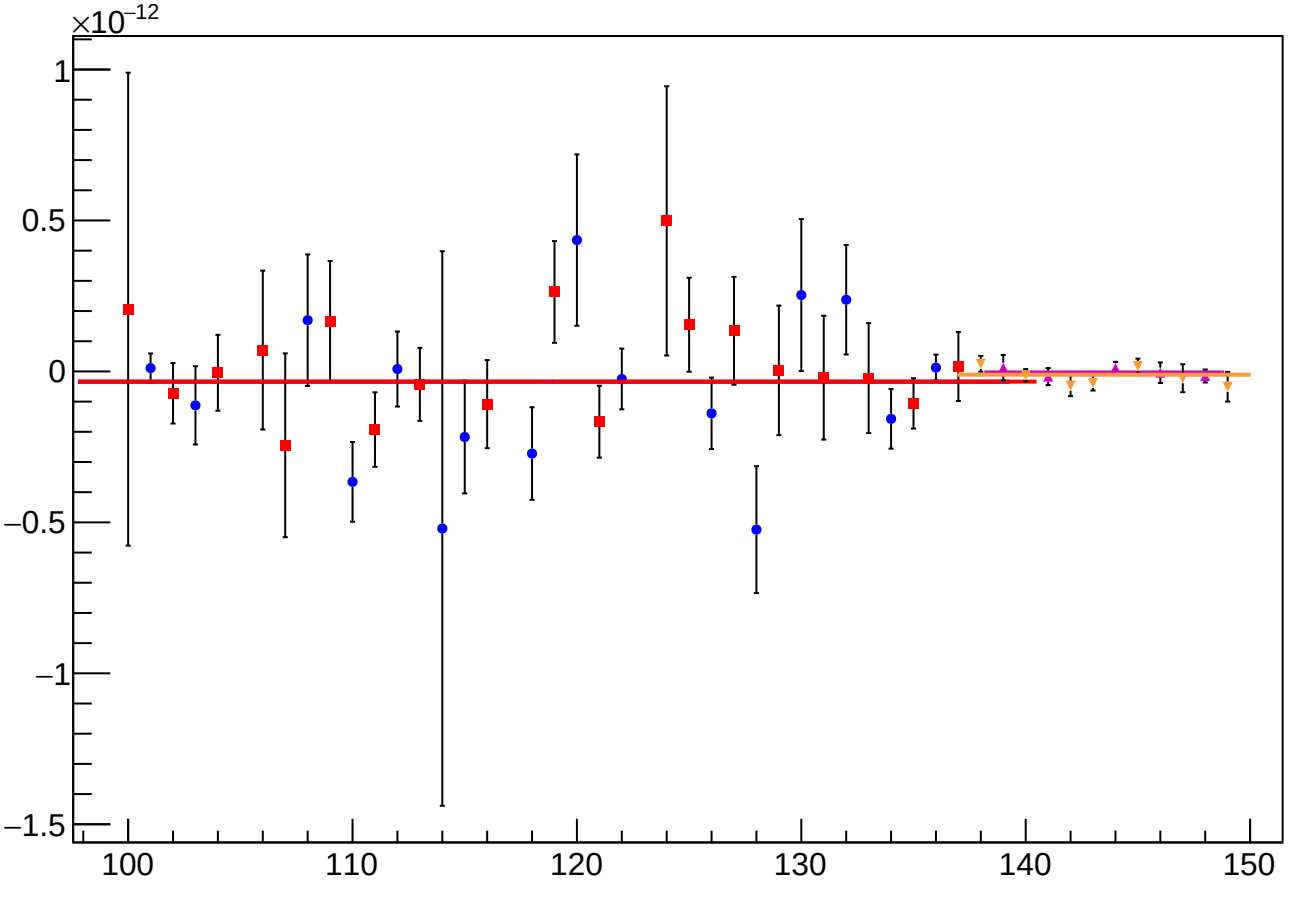
Left: 892.816+/-0.205 χ^2/NDF: 334469.5/11

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1111.675+/-0.243 χ^2/NDF:2017626.8/20

Out: 1087.362+/-0.226 χ^2/NDF:2397552.5/25

All: 1098.681+/-0.166 χ^2/NDF: 4420545.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

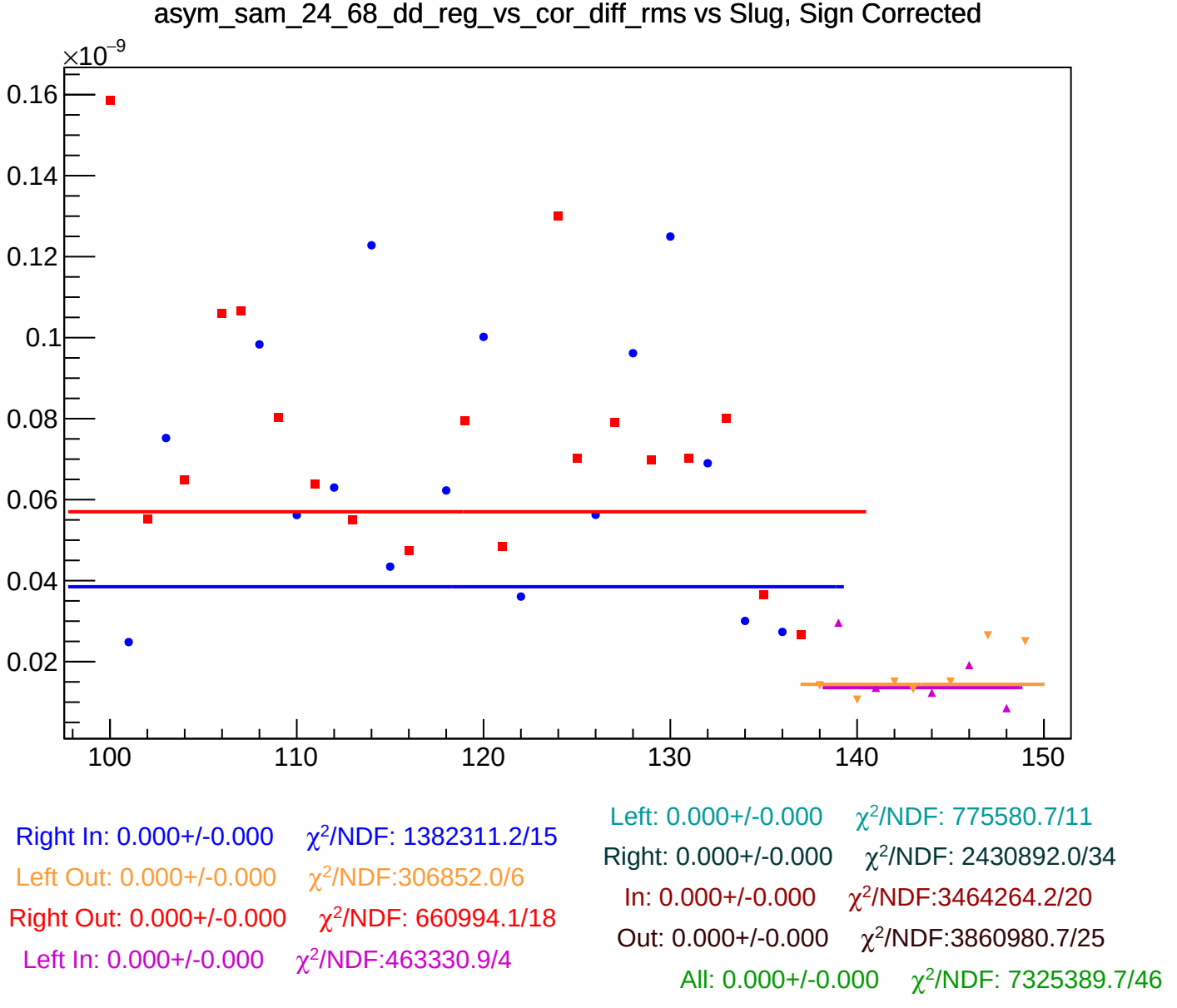
Left: -0.000+/-0.000 χ^2/NDF: 7.7/11

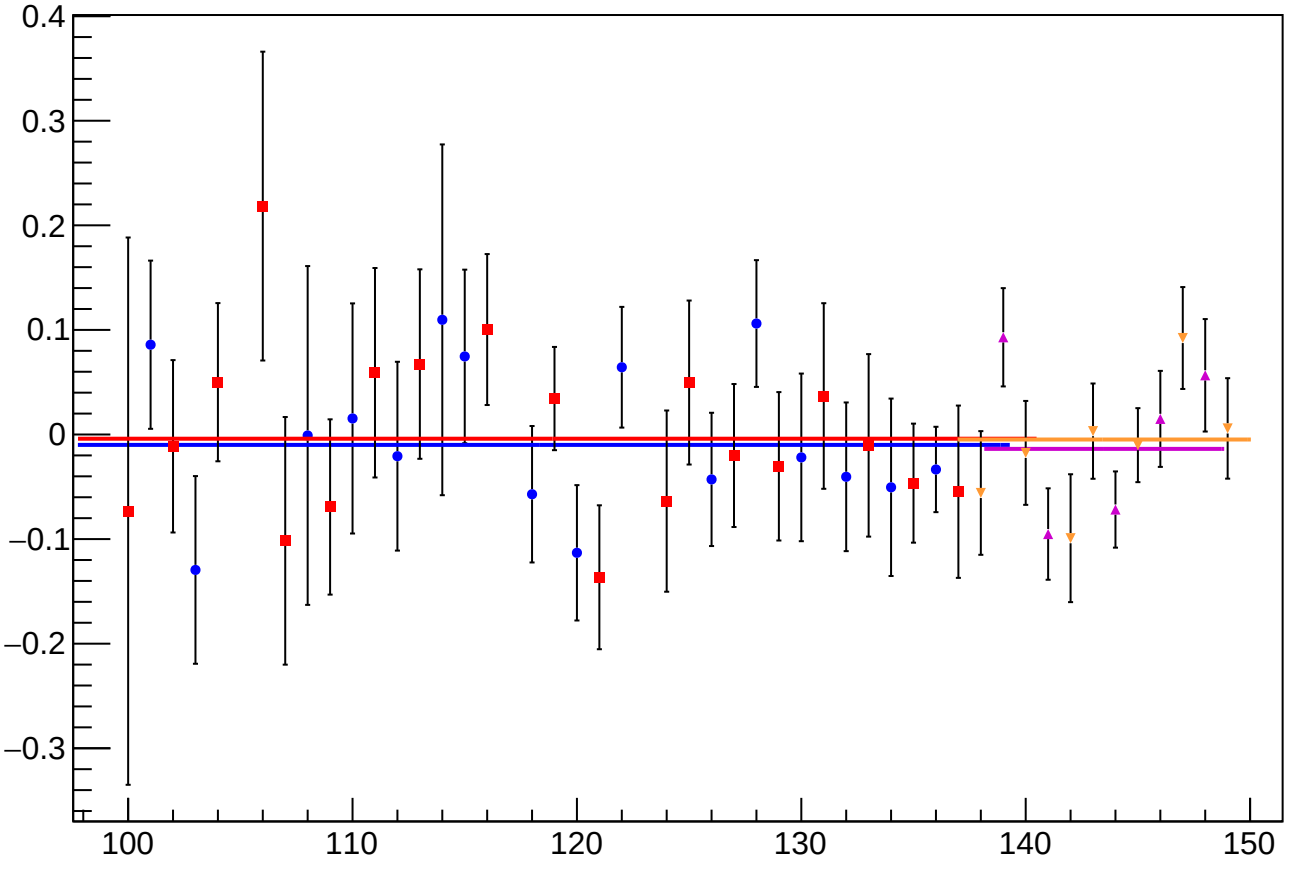
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.8/20

Out: -0.000+/-0.000 χ^2/NDF:19.7/25

All: -0.000+/-0.000 χ^2/NDF: 49.5/46


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:306852.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:463330.9/4
Left: 0.000+/-0.000 χ²/NDF: 775580.7/11
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:3464264.2/20
Out: 0.000+/-0.000 χ²/NDF:3860980.7/25
All: 0.000+/-0.000 χ²/NDF: 7325389.7/46



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.005+/-0.018 χ^2/NDF:7.3/6

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.020 χ^2/NDF:13.3/4

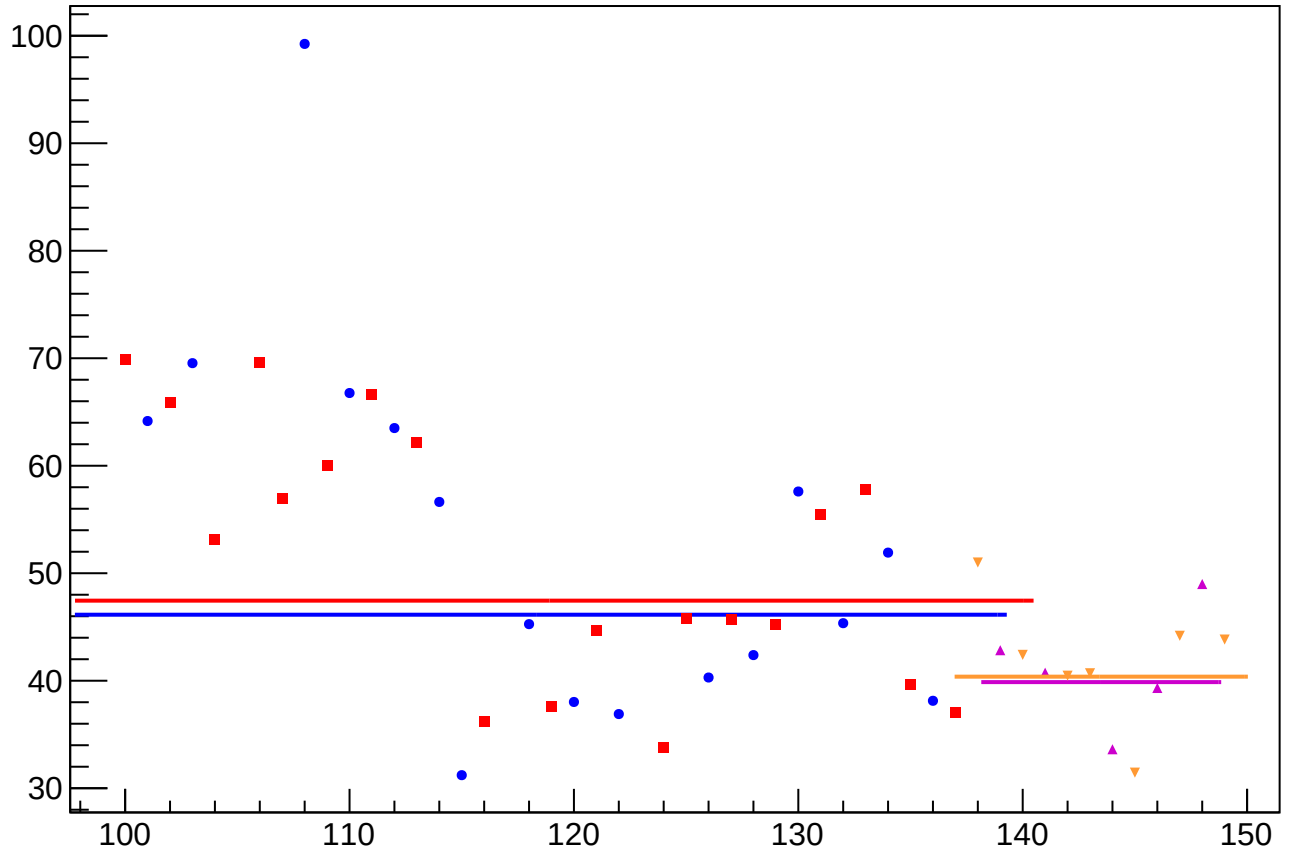
Left: -0.009+/-0.013 χ^2/NDF: 20.6/11

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.004+/-0.013 χ^2/NDF:21.1/25

All: -0.008+/-0.009 χ^2/NDF: 48.8/46



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.379+/-0.013 χ^2/NDF:217844.2/6

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

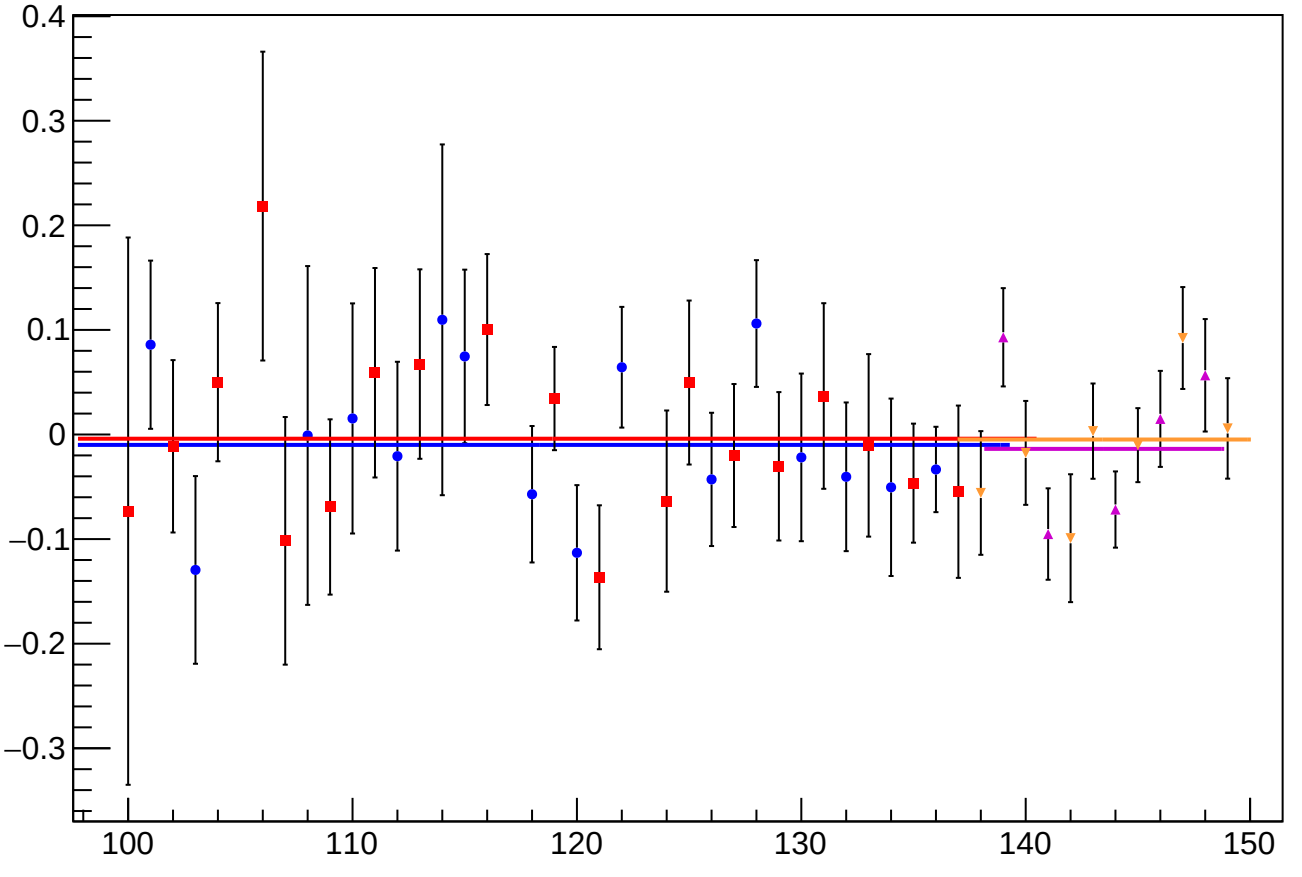
Left: 40.150+/-0.009 χ^2/NDF: 343966.8/11

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.306+/-0.009 χ^2/NDF:1138505.8/20

Out: 43.891+/-0.009 χ^2/NDF:1026256.3/25

All: 43.611+/-0.007 χ^2/NDF: 2166777.5/46



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.005+/-0.018 χ^2/NDF:7.3/6

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: -0.009+/-0.013 χ^2/NDF: 20.6/11

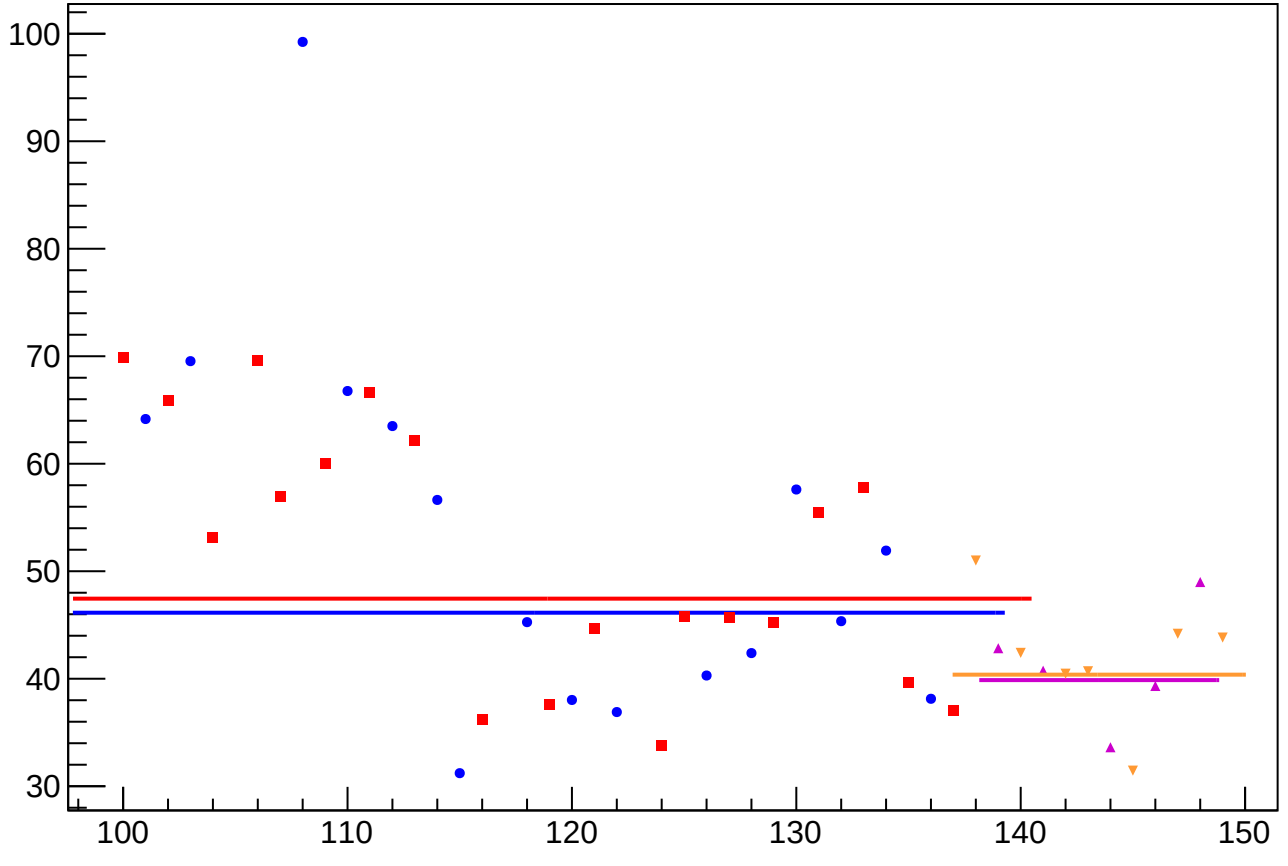
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.004+/-0.013 χ^2/NDF:21.1/25

All: -0.008+/-0.009 χ^2/NDF: 48.8/46

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.379+/-0.013 χ^2/NDF:217844.2/6

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.871+/-0.014 χ^2/NDF:125402.8/4

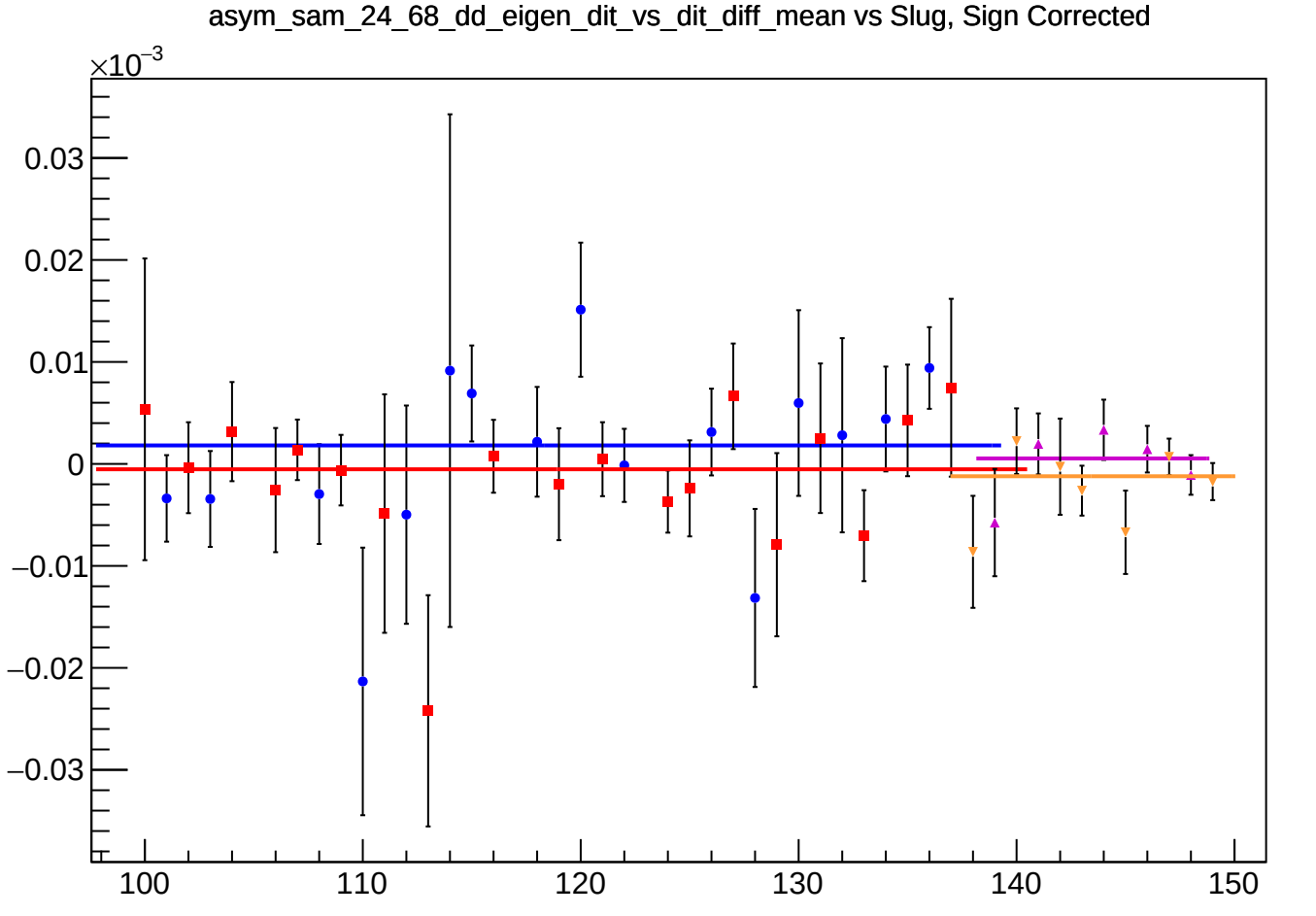
Left: 40.150+/-0.009 χ^2/NDF: 343966.8/11

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.306+/-0.009 χ^2/NDF:1138505.8/20

Out: 43.891+/-0.009 χ^2/NDF:1026256.3/25

All: 43.611+/-0.007 χ^2/NDF: 2166777.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/4

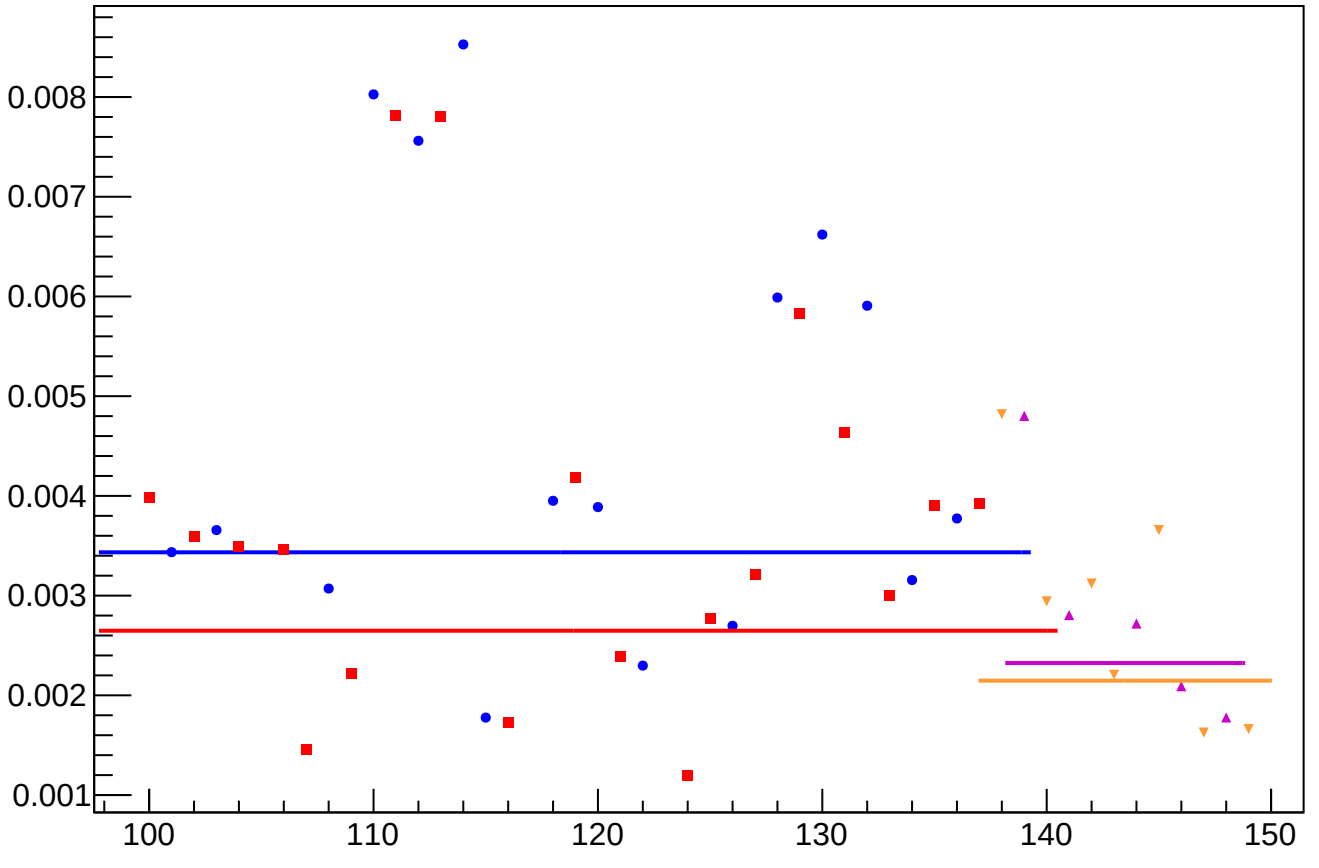
Left: -0.000+/-0.000 χ^2/NDF: 11.1/11

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:20.3/25

All: -0.000+/-0.000 χ^2/NDF: 47.2/46



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1267835.8/6

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:710082.3/4

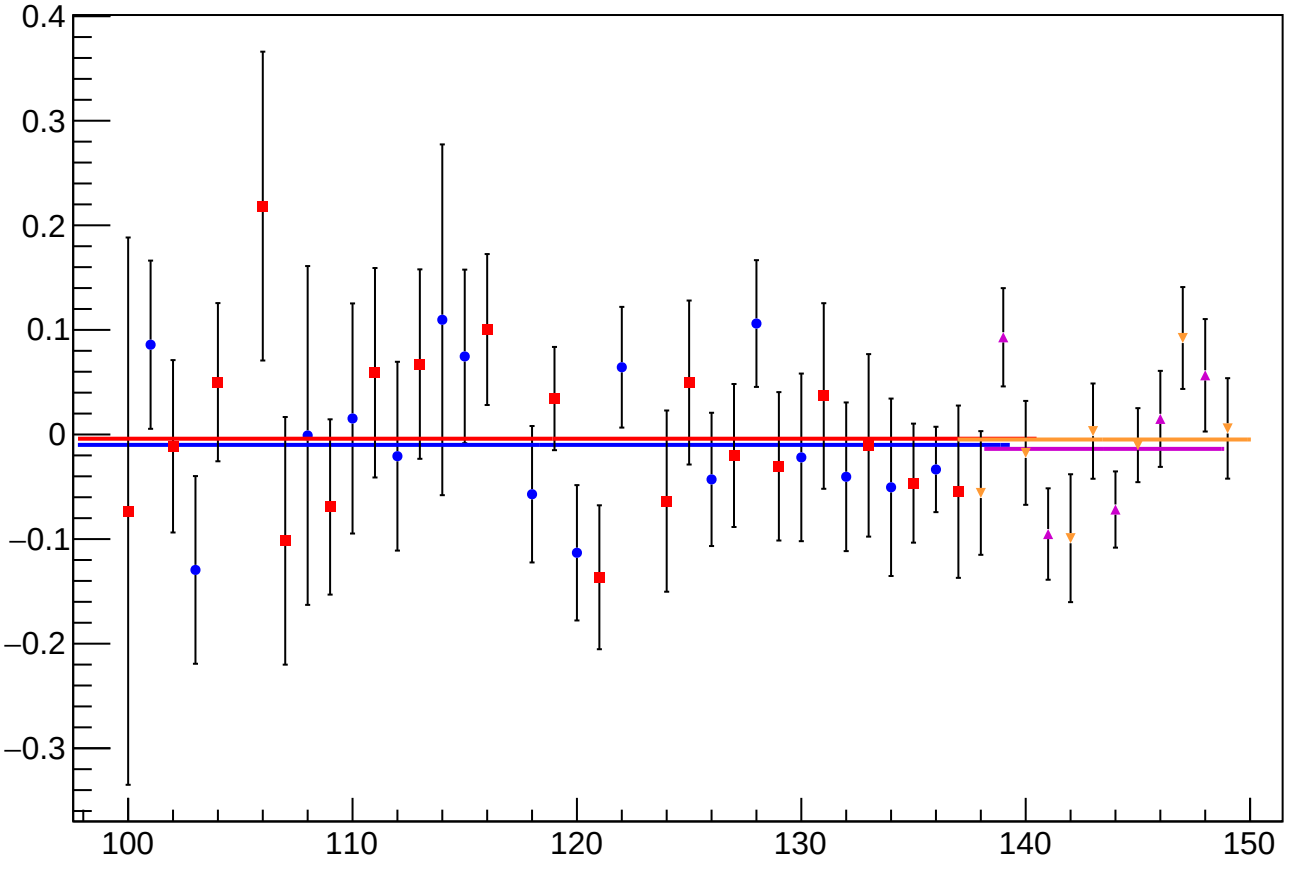
Left: 0.002+/-0.000 χ^2/NDF: 2004196.0/11

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3211948.7/20

Out: 0.002+/-0.000 χ^2/NDF:4195802.1/25

All: 0.003+/-0.000 χ^2/NDF: 7673385.4/46



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.005+/-0.018 χ^2/NDF:7.3/6

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: -0.009+/-0.013 χ^2/NDF: 20.6/11

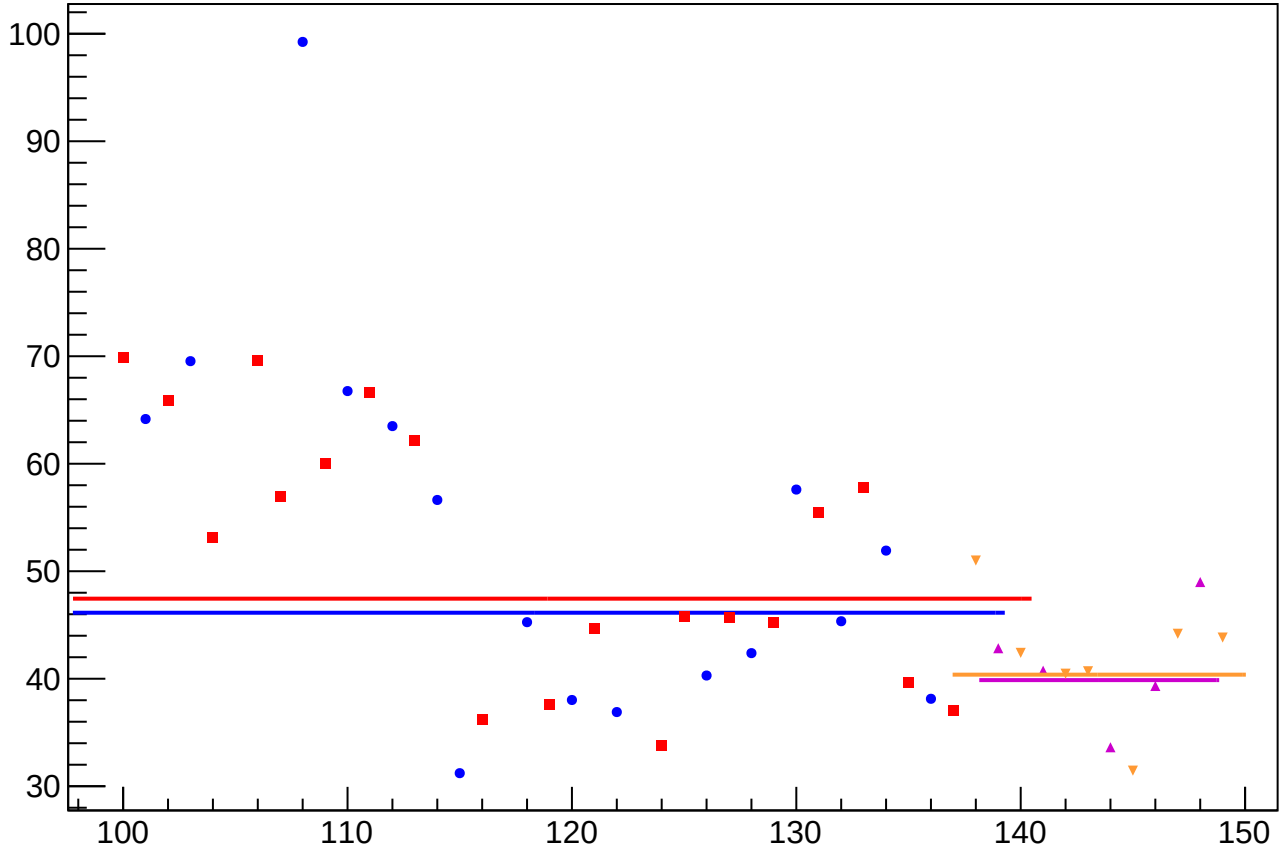
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.004+/-0.013 χ^2/NDF:21.1/25

All: -0.008+/-0.009 χ^2/NDF: 48.8/46

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: 40.379+/-0.013 χ^2/NDF:217841.2/6

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: 40.149+/-0.009 χ^2/NDF: 343965.7/11

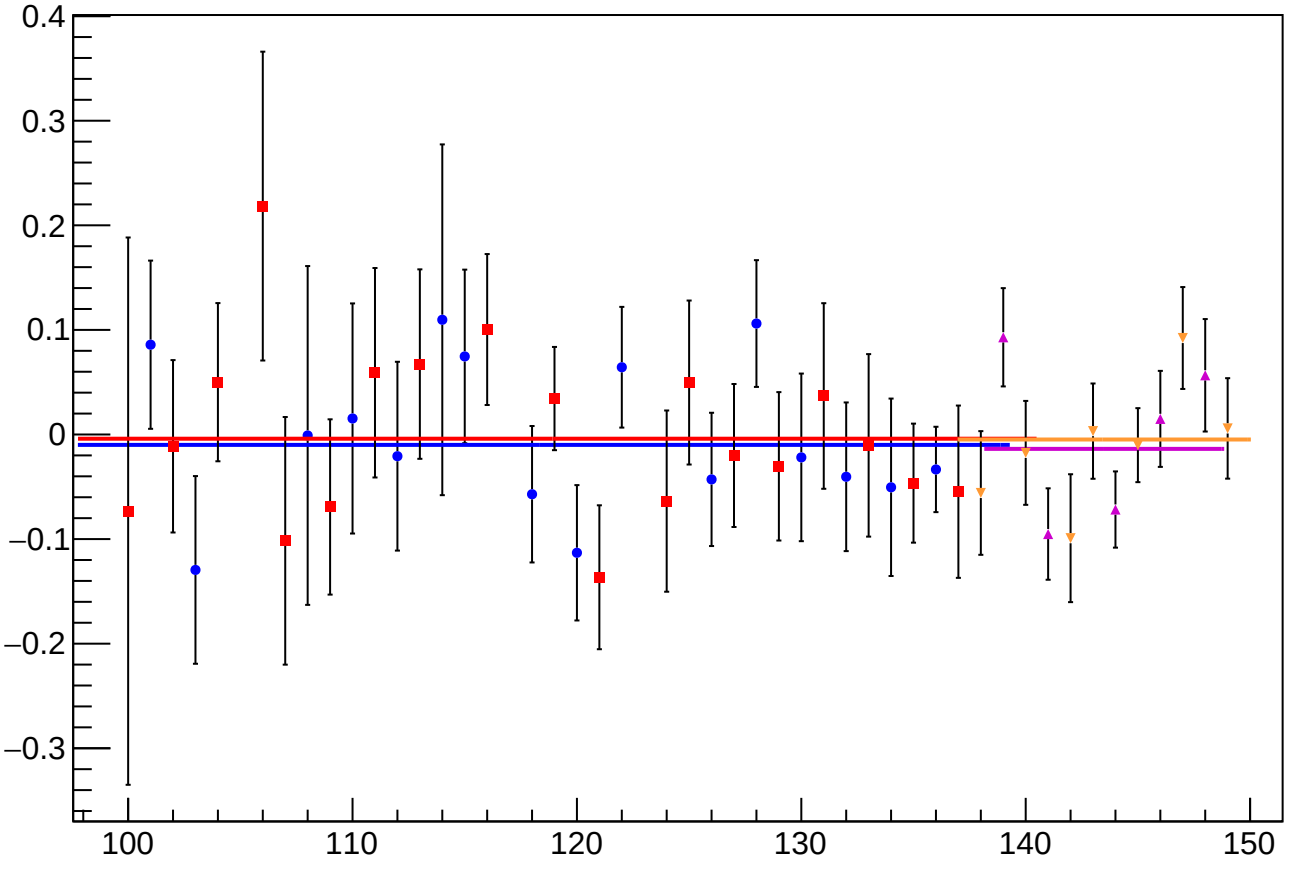
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.305+/-0.009 χ^2/NDF:1138435.3/20

Out: 43.891+/-0.009 χ^2/NDF:1026197.1/25

All: 43.611+/-0.007 χ^2/NDF: 2166650.6/46

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: -0.005+/-0.018 χ^2/NDF:7.3/6

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.014+/-0.020 χ^2/NDF:13.3/4

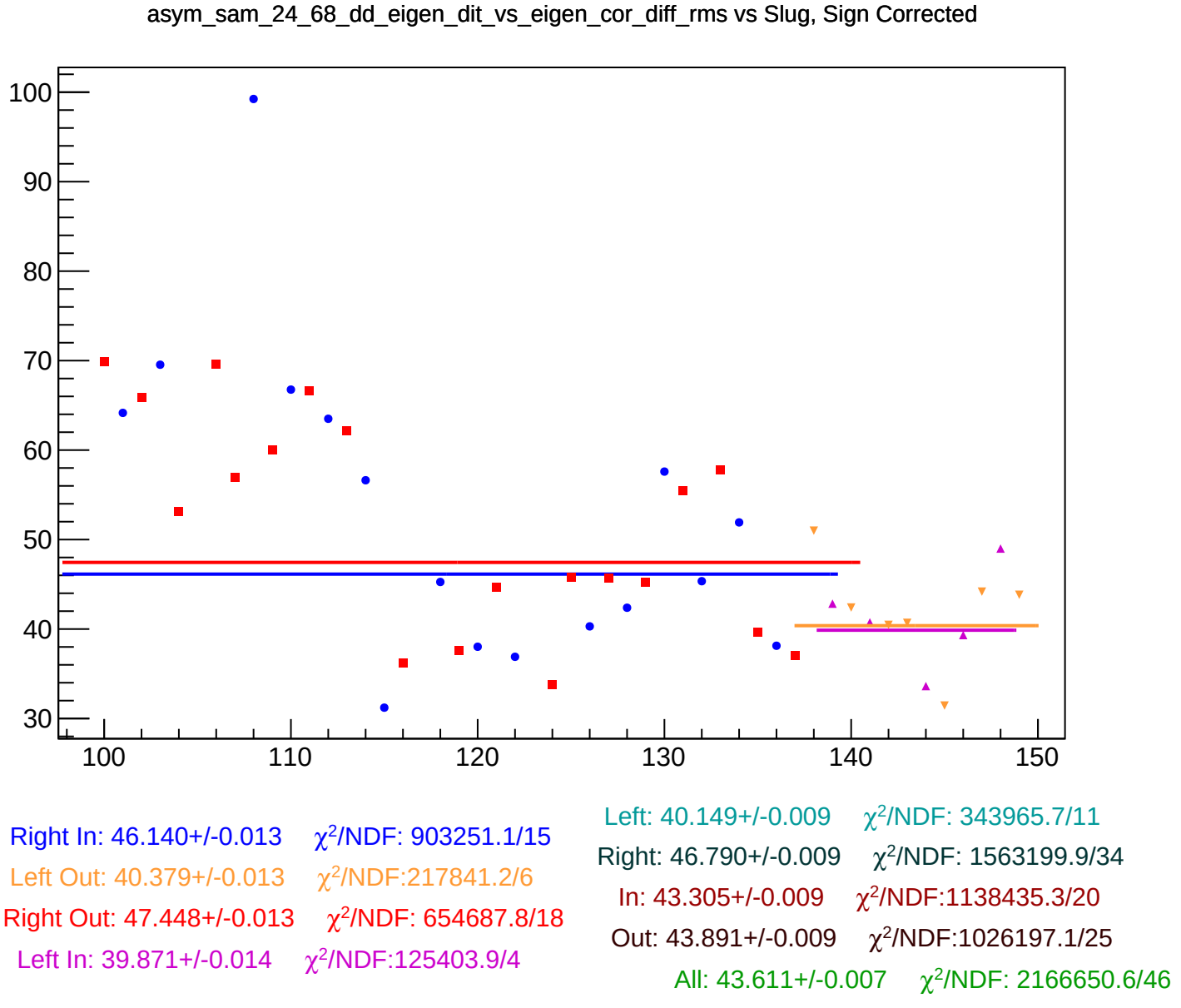
Left: -0.009+/-0.013 χ^2/NDF: 20.6/11

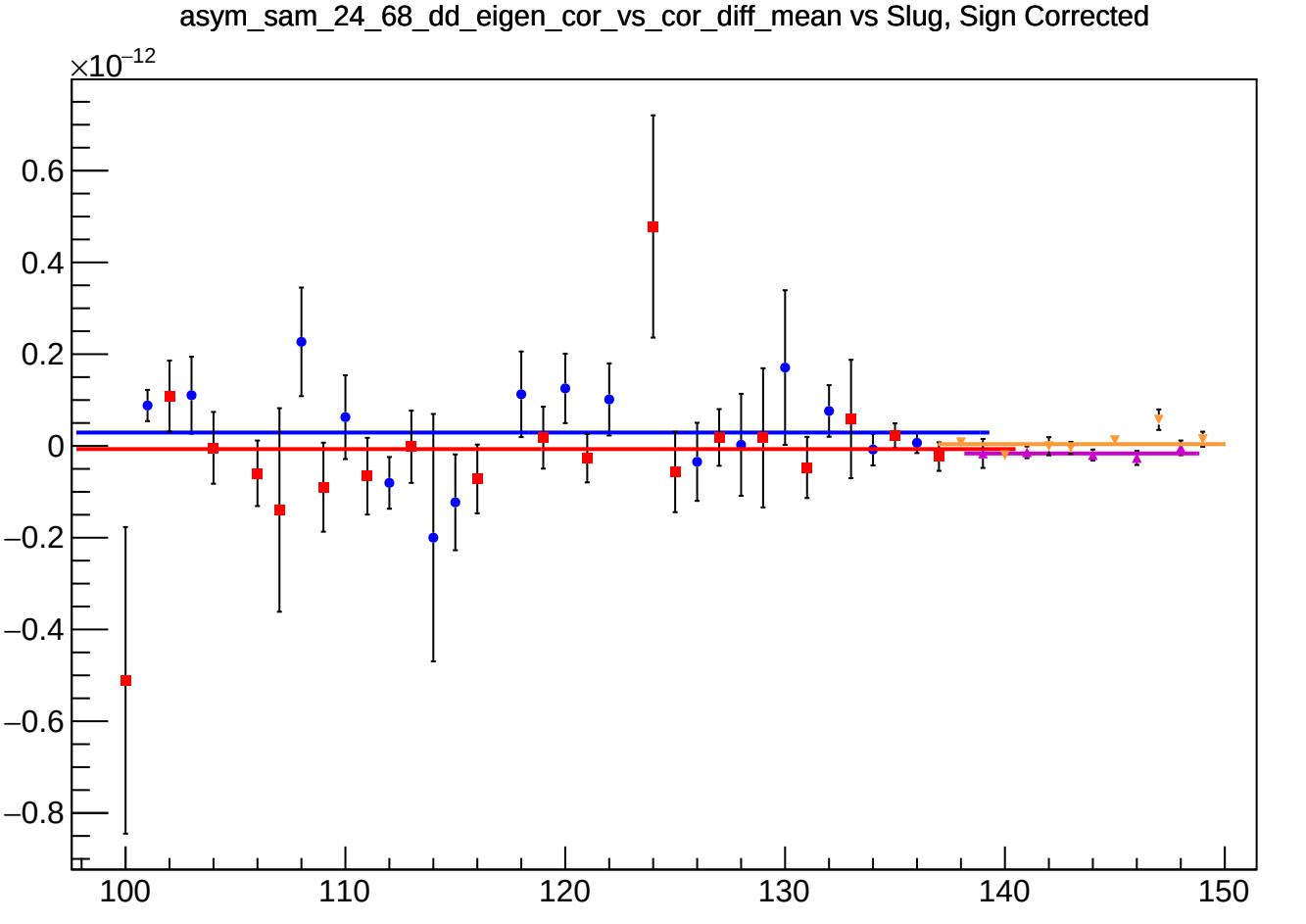
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

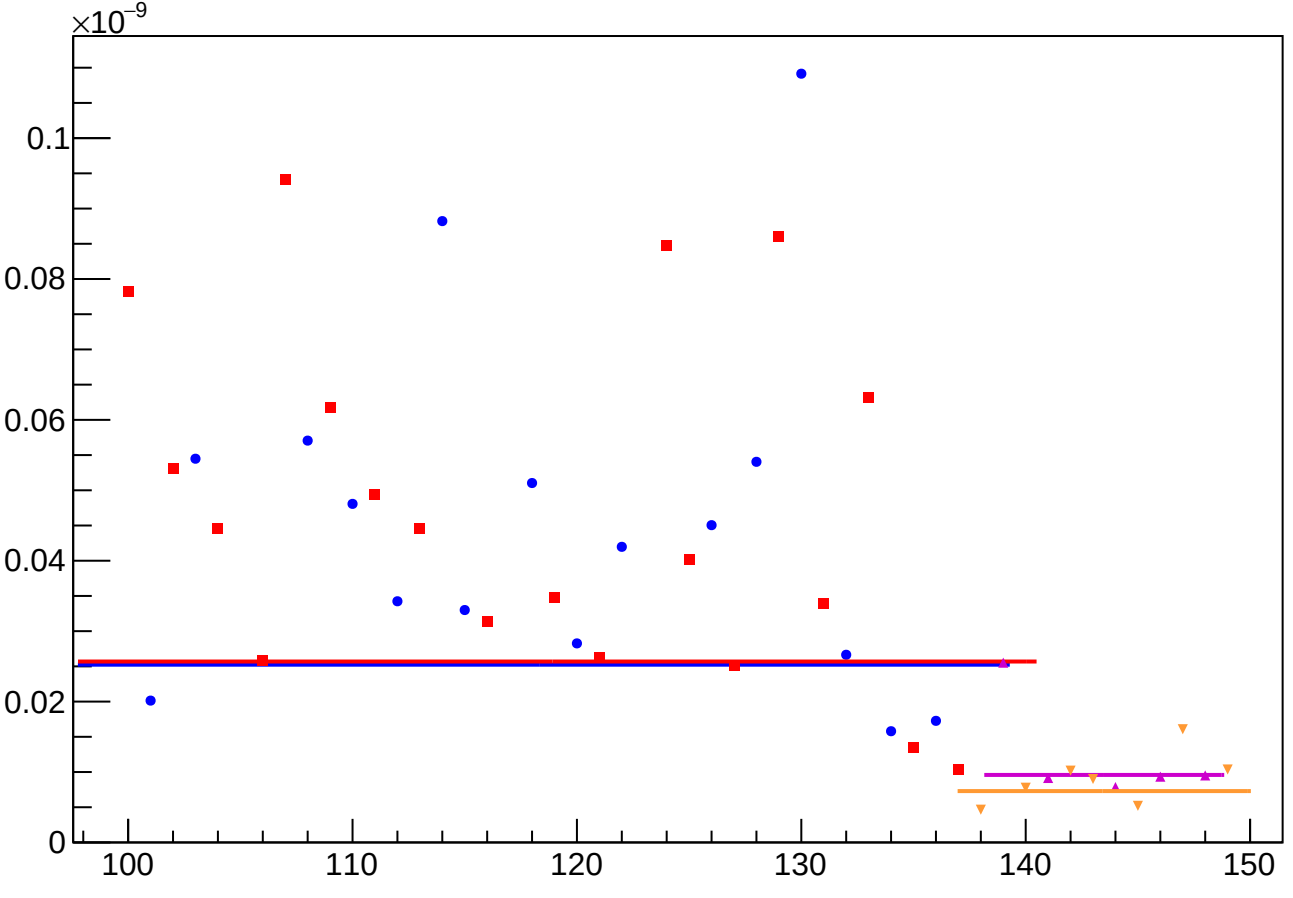
In: -0.012+/-0.013 χ^2/NDF:27.5/20

Out: -0.004+/-0.013 χ^2/NDF:21.1/25

All: -0.008+/-0.009 χ^2/NDF: 48.8/46


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
100
110
120
130
140
150
Right In: 46.140+/-0.013 χ²/NDF: 903251.1/15
Left Out: 40.379+/-0.013 χ²/NDF:217841.2/6
Right Out: 47.448+/-0.013 χ²/NDF: 654687.8/18
Left In: 39.871+/-0.014 χ²/NDF:125403.9/4
Left: 40.149+/-0.009 χ²/NDF: 343965.7/11
Right: 46.790+/-0.009 χ²/NDF: 1563199.9/34
In: 43.305+/-0.009 χ²/NDF:1138435.3/20
Out: 43.891+/-0.009 χ²/NDF:1026197.1/25
All: 43.611+/-0.007 χ²/NDF: 2166650.6/46


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:12.7/6
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/4
Left: -0.000+/-0.000 χ²/NDF: 20.0/11
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:31.2/20
Out: 0.000+/-0.000 χ²/NDF:27.5/25
All: -0.000+/-0.000 χ²/NDF: 60.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:701057.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:554258.6/4

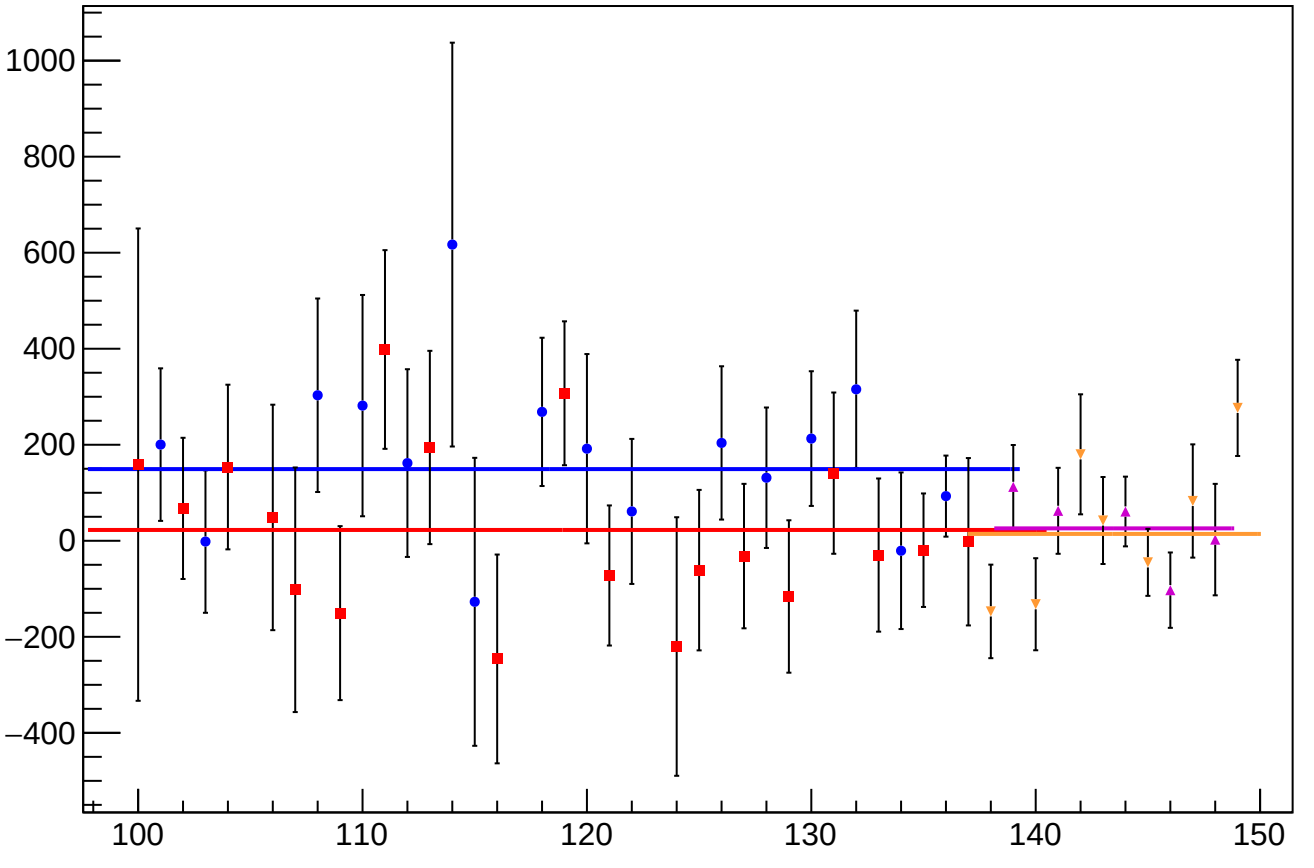
Left: 0.000+/-0.000 χ^2/NDF: 1410826.0/11

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:6456461.9/25

All: 0.000+/-0.000 χ^2/NDF: 11731187.2/46



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 14.290+/-35.872 χ^2/NDF:14.9/6

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 25.848+/-38.271 χ^2/NDF:4.1/4

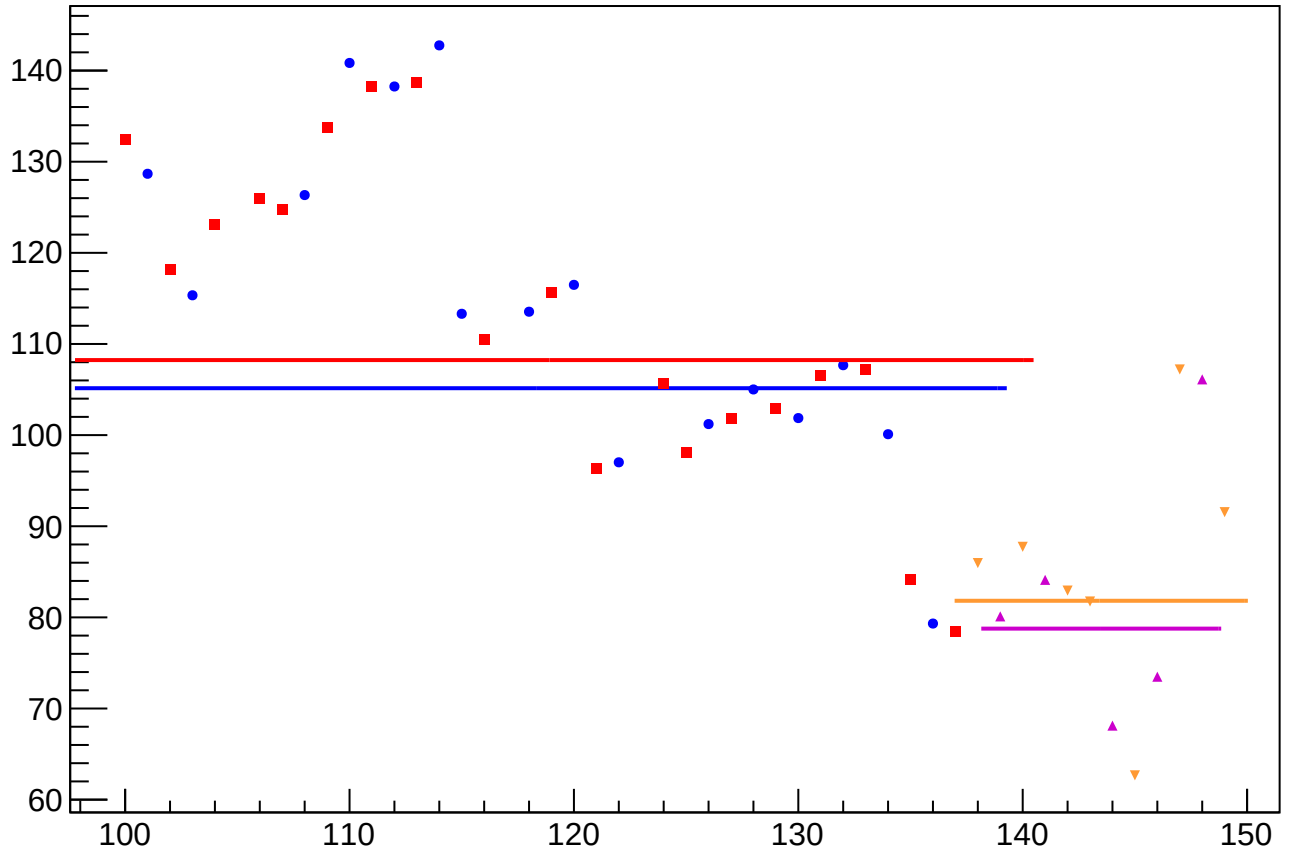
Left: 19.696+/-26.172 χ^2/NDF: 19.0/11

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 85.333+/-27.549 χ^2/NDF:17.1/20

Out: 17.961+/-26.736 χ^2/NDF:29.1/25

All: 50.639+/-19.186 χ^2/NDF: 49.3/46



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 81.822+/-0.025 χ^2/NDF:273660.3/6

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: 80.393+/-0.019 χ^2/NDF: 451143.8/11

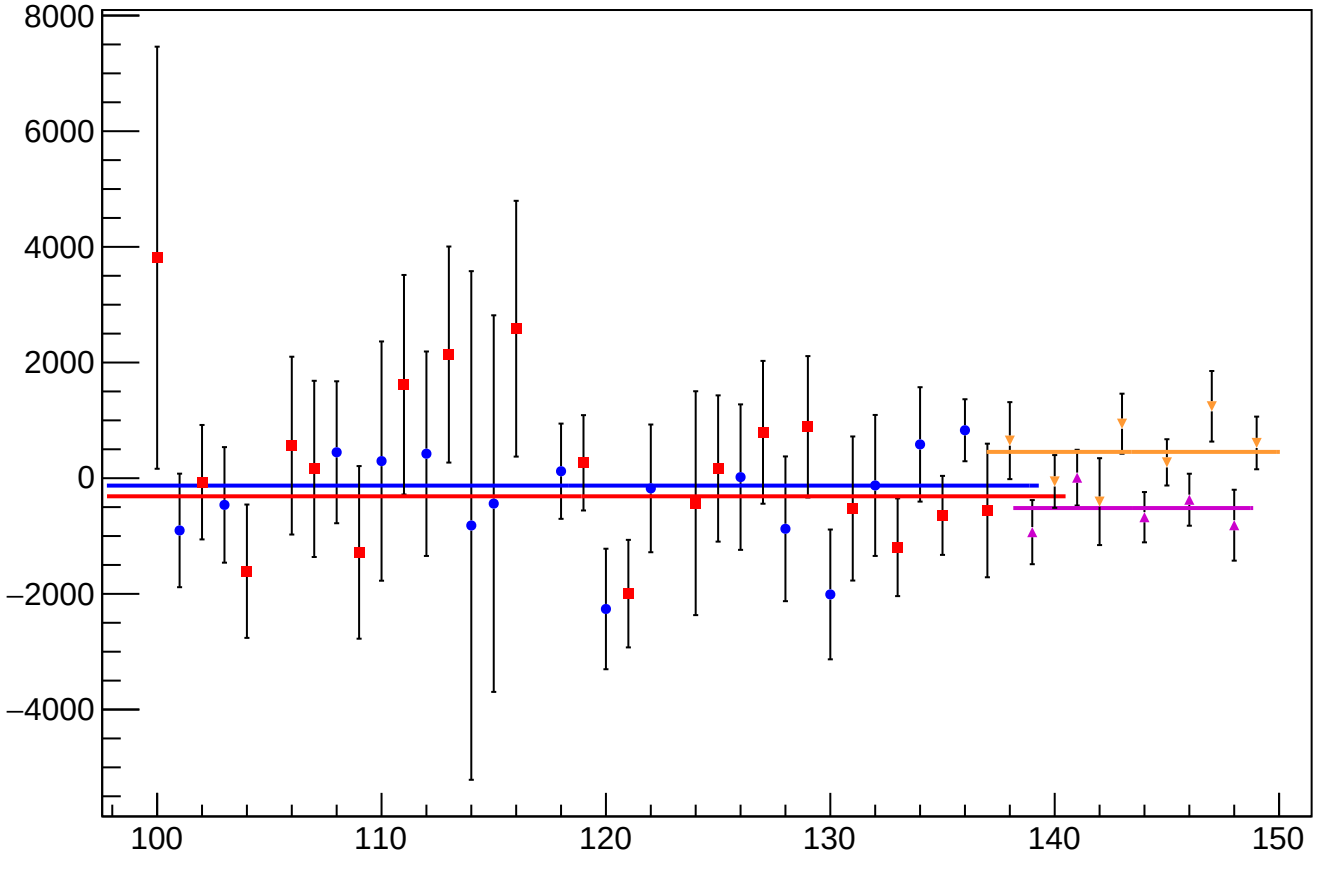
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.477+/-0.019 χ^2/NDF:1036983.6/20

Out: 93.562+/-0.019 χ^2/NDF:1105515.2/25

All: 92.551+/-0.014 χ^2/NDF: 2148398.0/46

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: 454.882+/-194.976 χ^2/NDF:5.5/6

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -516.284+/-221.067 χ^2/NDF:2.2/4

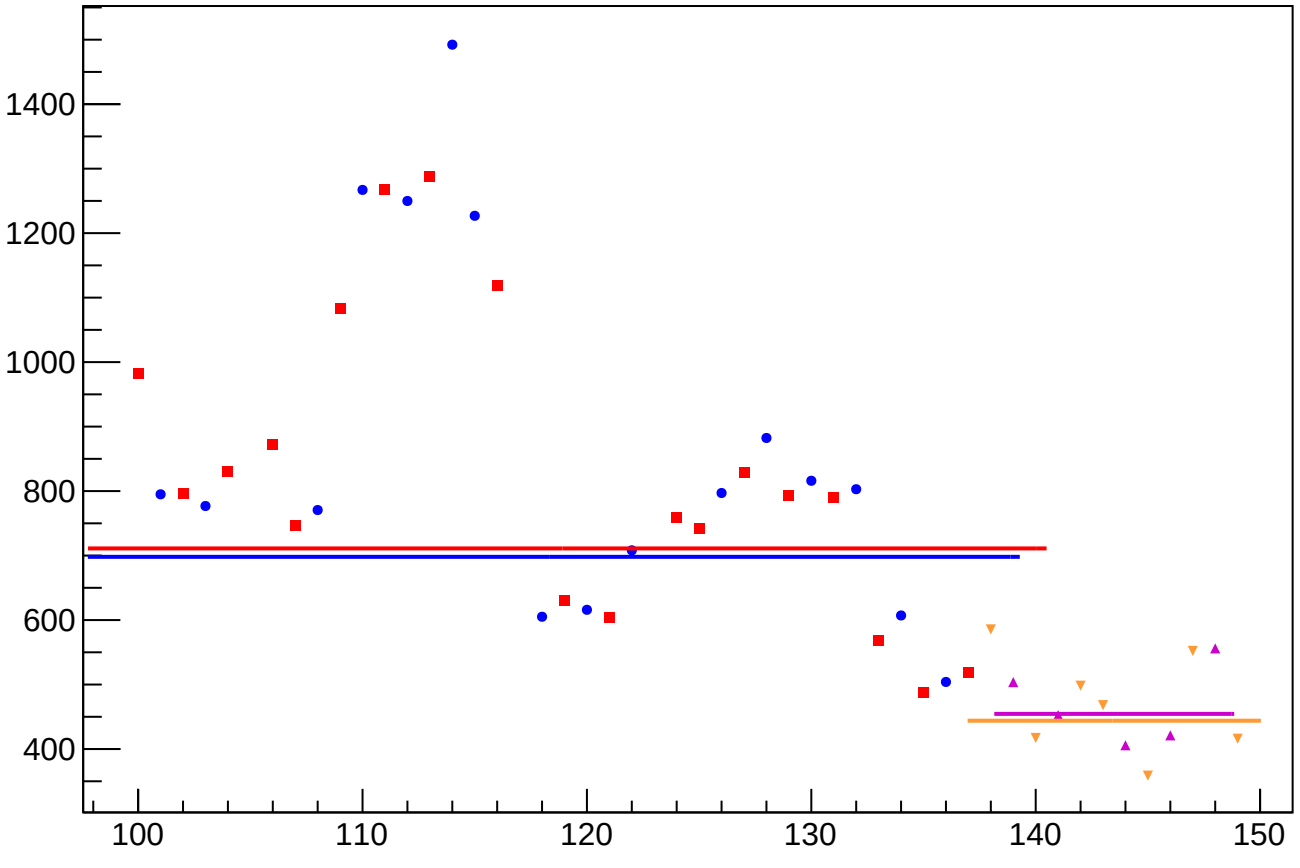
Left: 29.965+/-146.228 χ^2/NDF: 18.6/11

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -359.512+/-170.693 χ^2/NDF:15.8/20

Out: 191.853+/-158.096 χ^2/NDF:25.8/25

All: -62.736+/-115.989 χ^2/NDF: 47.2/46



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 443.948+/-0.138 χ^2/NDF:273101.5/6

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 454.529+/-0.156 χ^2/NDF:106781.0/4

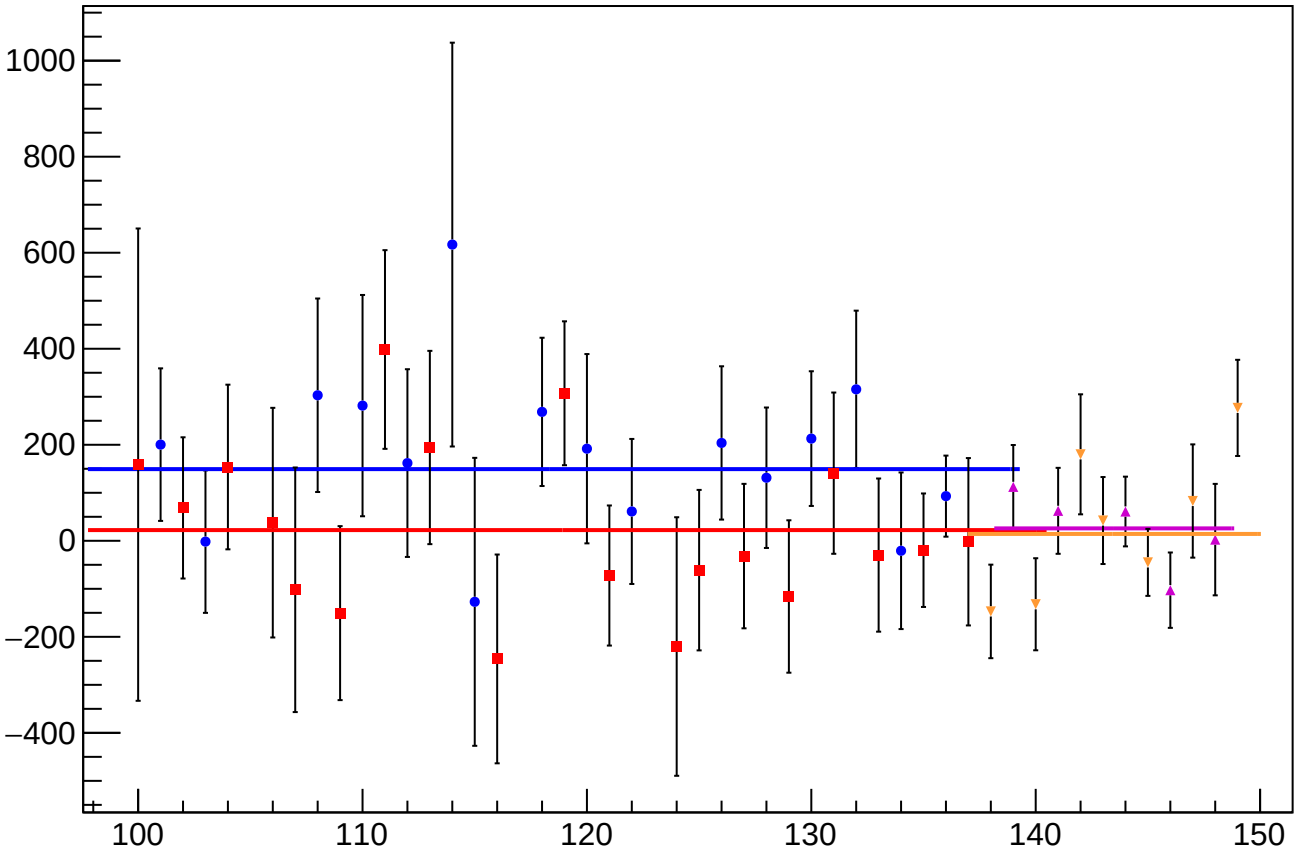
Left: 448.578+/-0.103 χ^2/NDF: 382459.7/11

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 552.868+/-0.121 χ^2/NDF:1999690.9/20

Out: 535.450+/-0.112 χ^2/NDF:2594210.7/25

All: 543.493+/-0.082 χ^2/NDF: 4605111.4/46



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 14.285+/-35.872 χ^2/NDF:14.9/6

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 25.845+/-38.271 χ^2/NDF:4.1/4

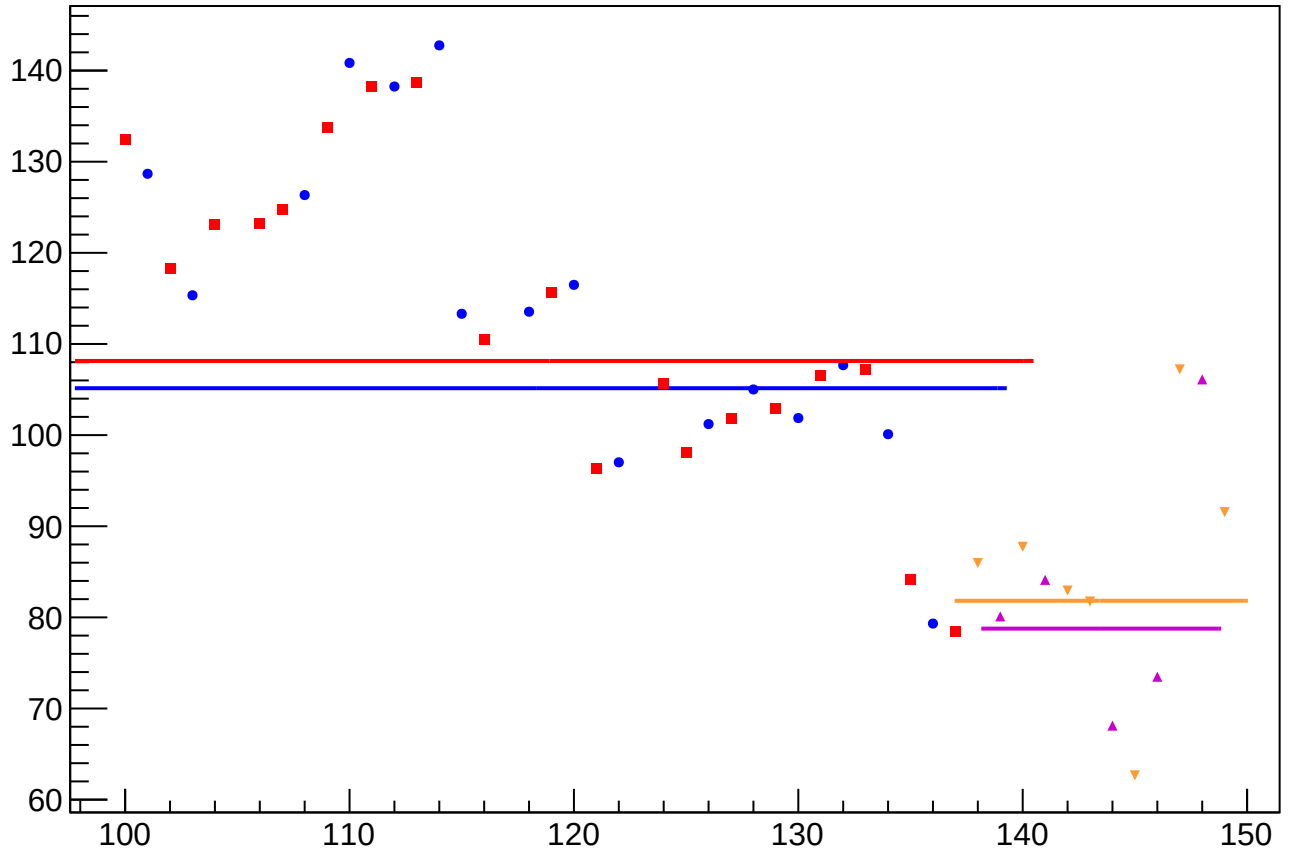
Left: 19.691+/-26.172 χ^2/NDF: 19.0/11

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 85.327+/-27.549 χ^2/NDF:17.2/20

Out: 17.844+/-26.742 χ^2/NDF:29.1/25

All: 50.584+/-19.188 χ^2/NDF: 49.3/46



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 81.822+/-0.025 χ^2/NDF:273660.3/6

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: 80.393+/-0.019 χ^2/NDF: 451143.8/11

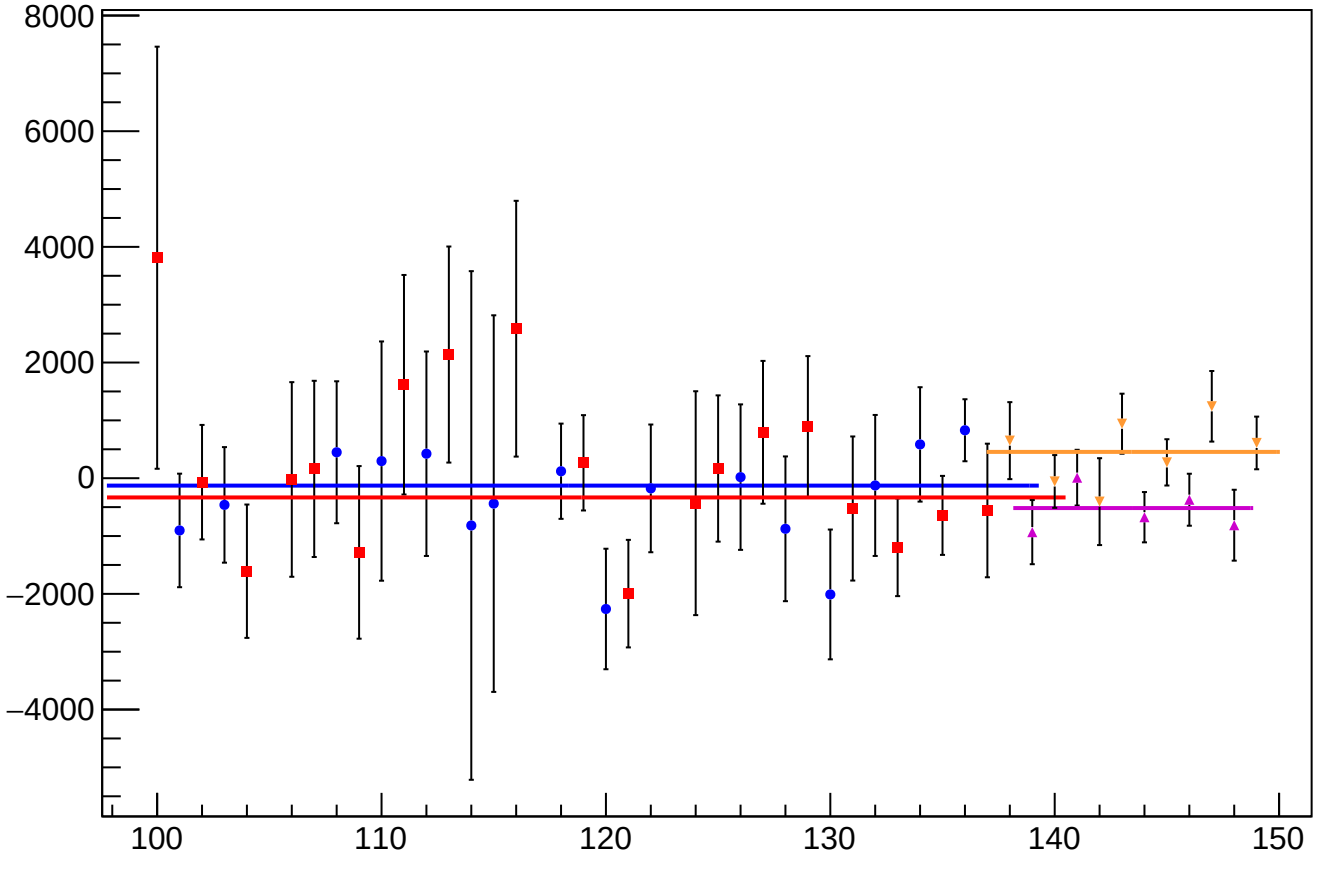
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.477+/-0.019 χ^2/NDF:1036983.9/20

Out: 93.512+/-0.019 χ^2/NDF:1098097.2/25

All: 92.525+/-0.014 χ^2/NDF: 2140699.5/46

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: 454.880+/-194.976 χ^2/NDF:5.5/6

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: 29.963+/-146.228 χ^2/NDF: 18.6/11

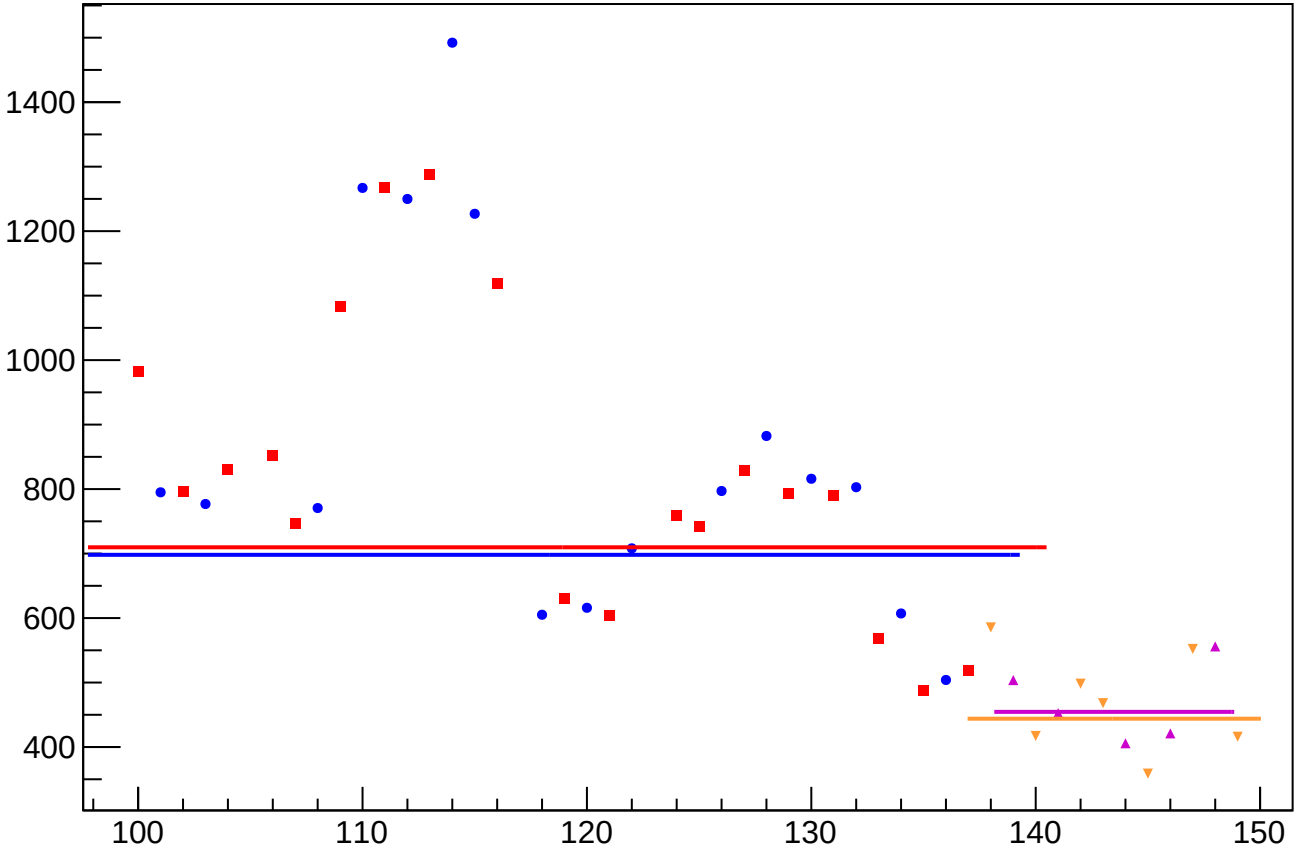
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -359.510+/-170.693 χ^2/NDF:15.8/20

Out: 186.049+/-158.237 χ^2/NDF:25.8/25

All: -66.100+/-116.044 χ^2/NDF: 47.1/46

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 443.948+/-0.138 χ^2/NDF:273103.0/6

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

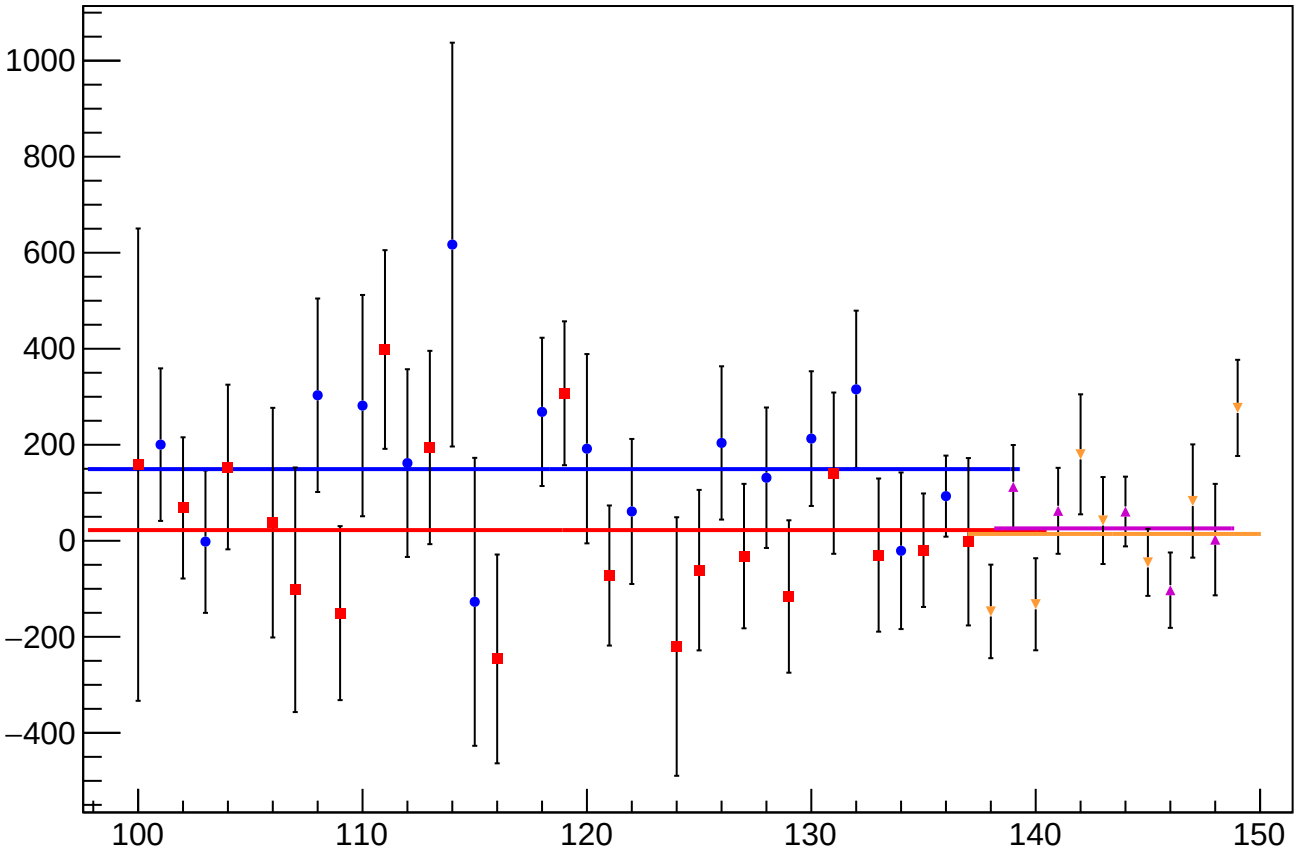
Left: 448.578+/-0.103 χ^2/NDF: 382459.6/11

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.868+/-0.121 χ^2/NDF:1999700.9/20

Out: 534.680+/-0.112 χ^2/NDF:2568987.9/25

All: 543.086+/-0.082 χ^2/NDF: 4580902.0/46



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 14.285+/-35.872 χ^2/NDF:14.9/6

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 25.845+/-38.271 χ^2/NDF:4.1/4

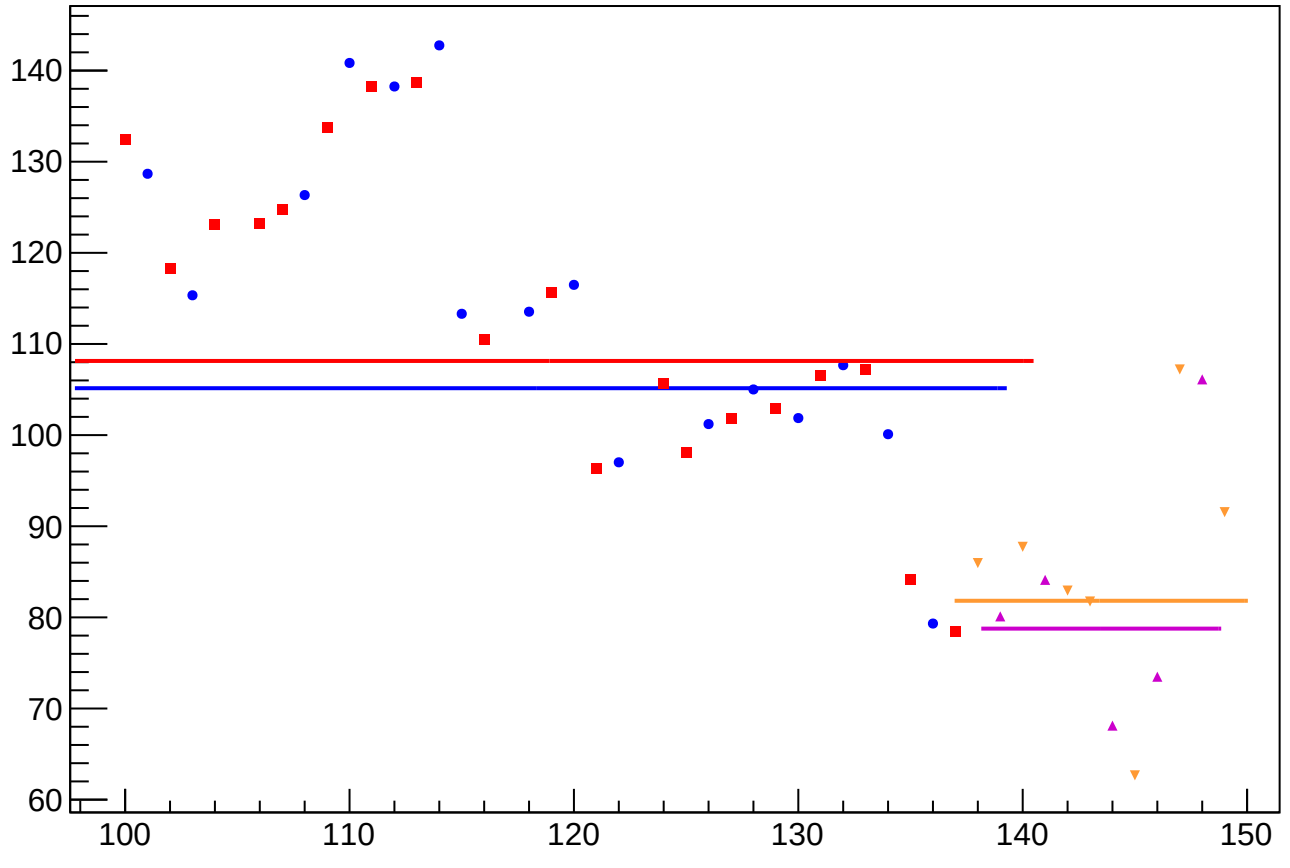
Left: 19.691+/-26.172 χ^2/NDF: 19.0/11

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 85.327+/-27.549 χ^2/NDF:17.2/20

Out: 17.844+/-26.742 χ^2/NDF:29.1/25

All: 50.584+/-19.188 χ^2/NDF: 49.3/46



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 81.822+/-0.025 χ^2/NDF:273660.3/6

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: 80.393+/-0.019 χ^2/NDF: 451143.8/11

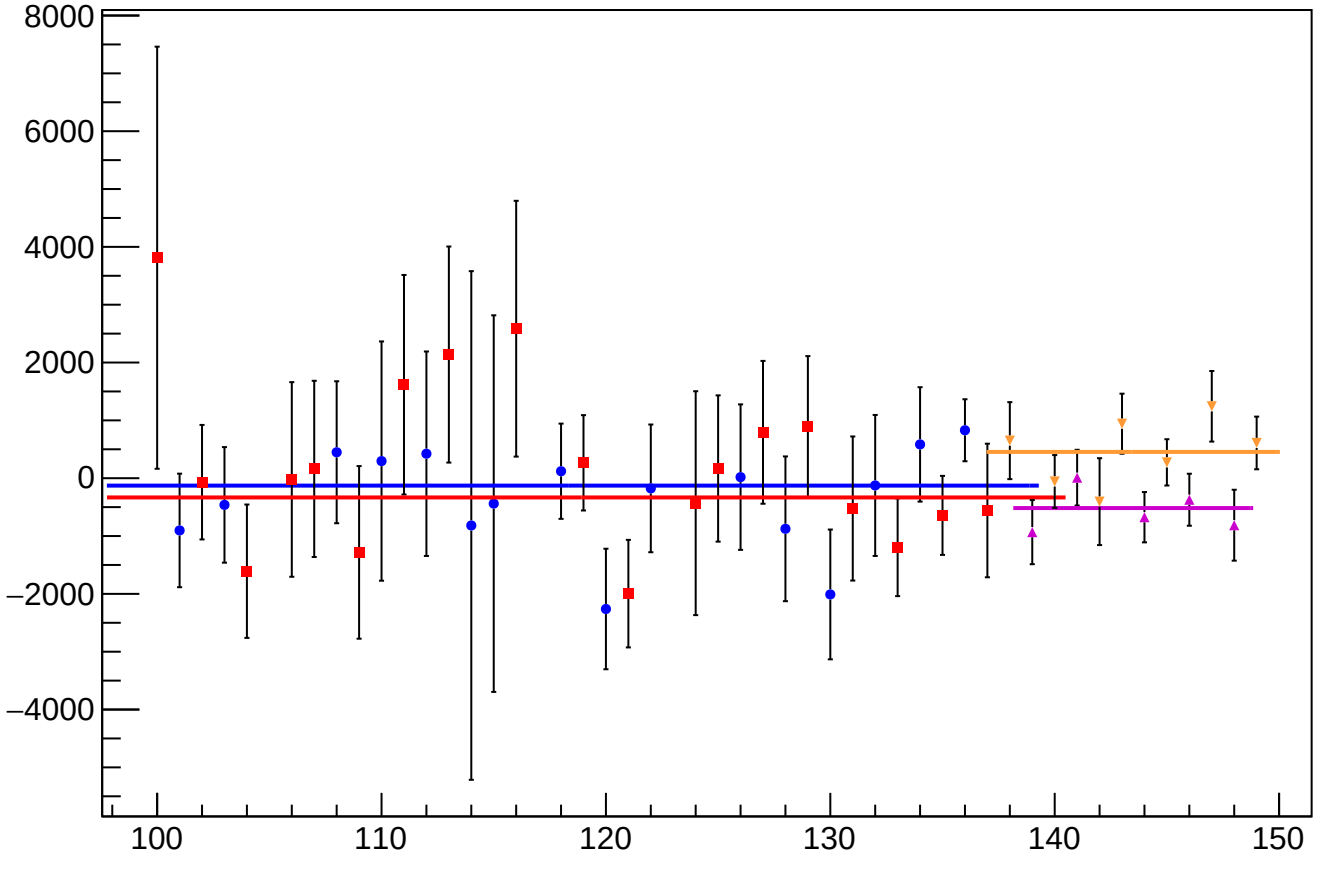
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.477+/-0.019 χ^2/NDF:1036983.9/20

Out: 93.512+/-0.019 χ^2/NDF:1098097.2/25

All: 92.525+/-0.014 χ^2/NDF: 2140699.5/46

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: 454.880+/-194.976 χ^2/NDF:5.5/6

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: 29.963+/-146.228 χ^2/NDF: 18.6/11

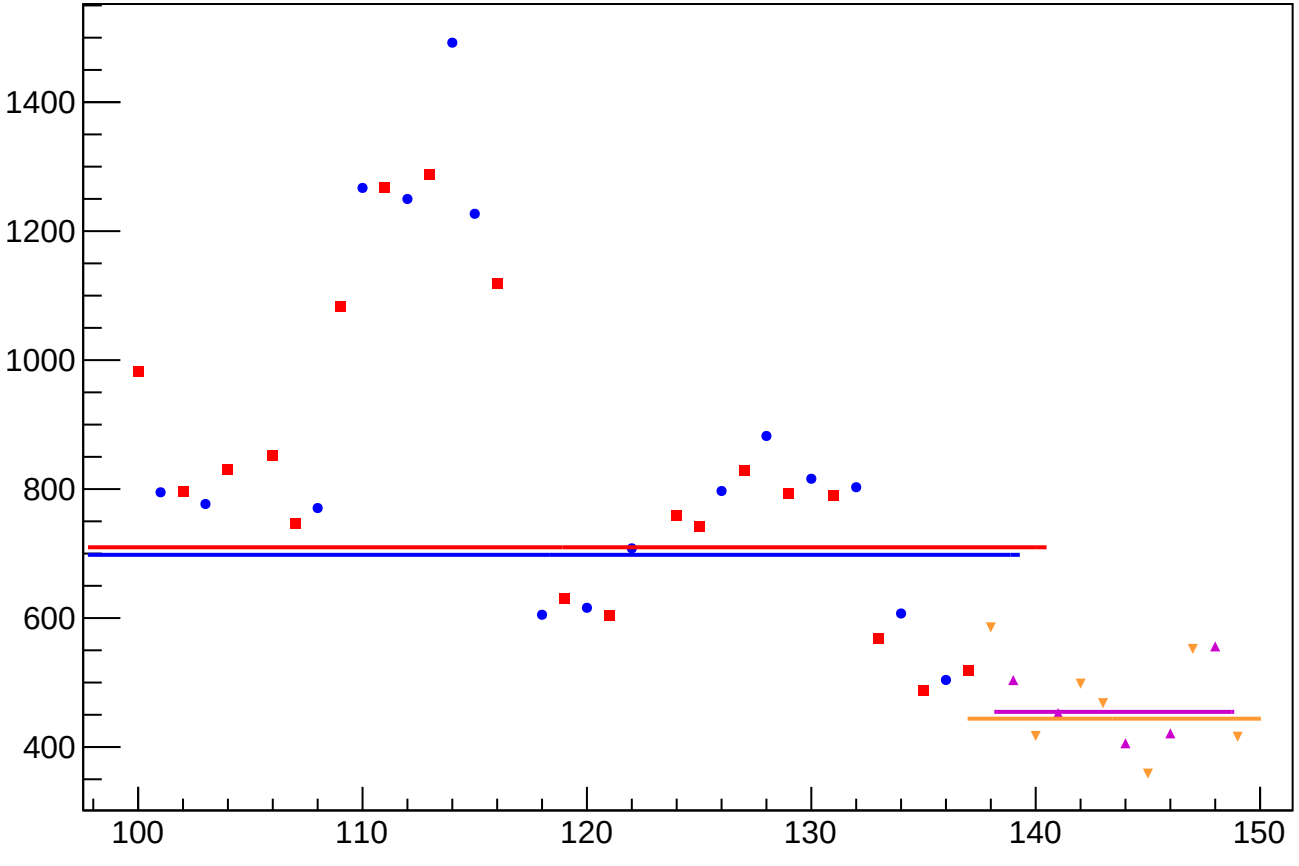
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -359.510+/-170.693 χ^2/NDF:15.8/20

Out: 186.049+/-158.237 χ^2/NDF:25.8/25

All: -66.100+/-116.044 χ^2/NDF: 47.1/46

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: 443.948+/-0.138 χ^2/NDF:273103.0/6

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 454.529+/-0.156 χ^2/NDF:106779.4/4

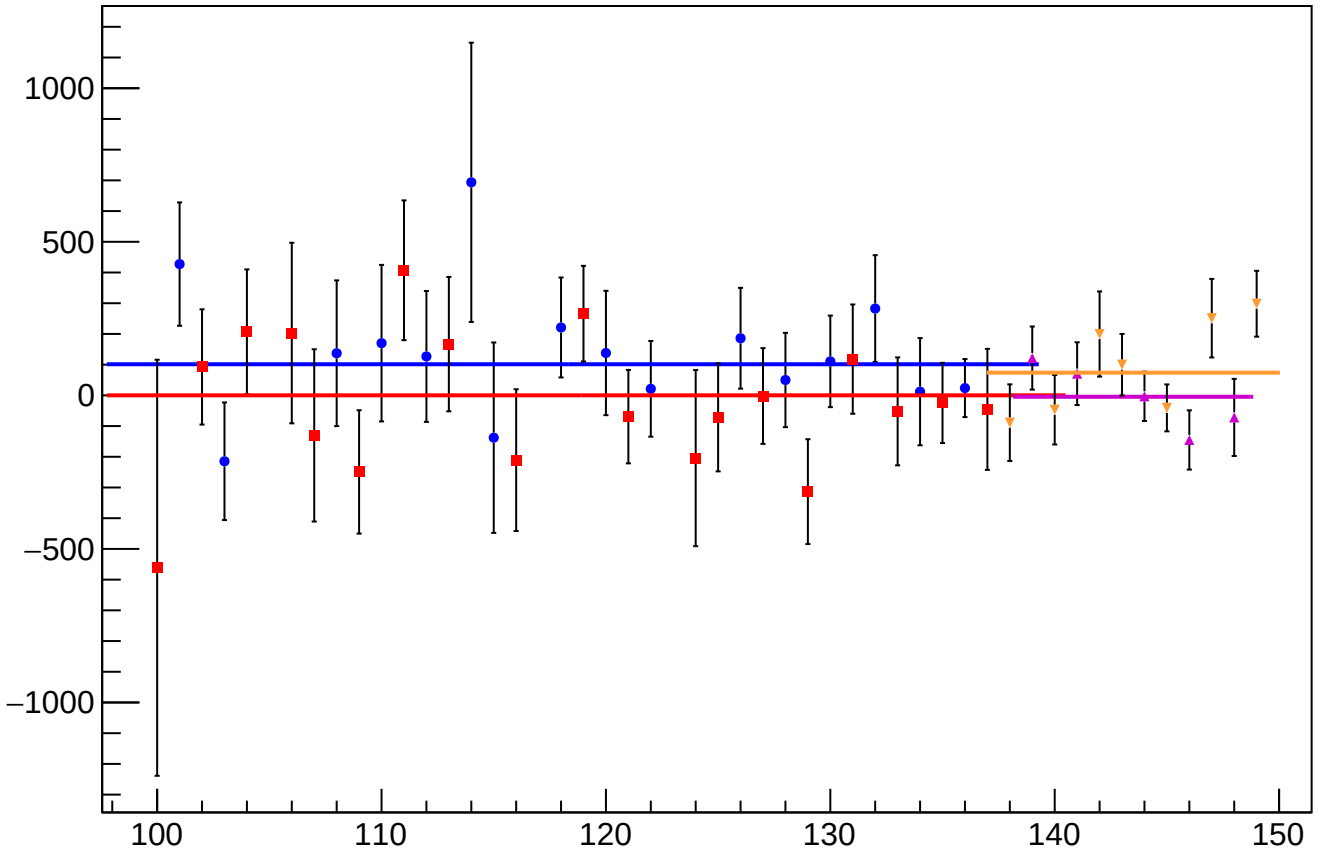
Left: 448.578+/-0.103 χ^2/NDF: 382459.6/11

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.868+/-0.121 χ^2/NDF:1999700.9/20

Out: 534.680+/-0.112 χ^2/NDF:2568987.9/25

All: 543.086+/-0.082 χ^2/NDF: 4580902.0/46



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 73.811+/-40.368 χ^2/NDF:12.3/6

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.603+/-44.002 χ^2/NDF:4.5/4

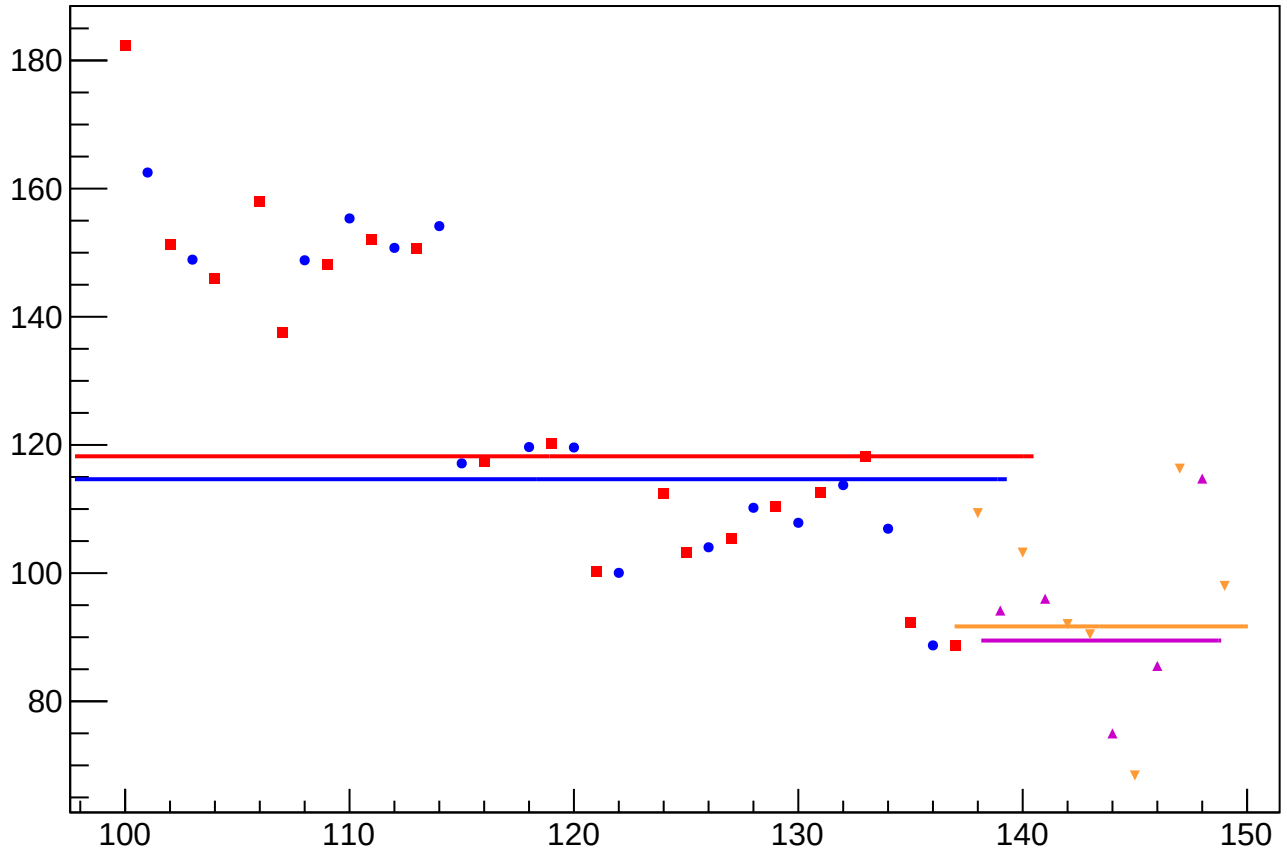
Left: 37.975+/-29.746 χ^2/NDF: 18.5/11

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 48.935+/-30.939 χ^2/NDF:18.4/20

Out: 40.163+/-29.757 χ^2/NDF:30.4/25

All: 44.378+/-21.447 χ^2/NDF: 48.9/46



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 91.685+/-0.029 χ^2/NDF:327594.9/6

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 89.482+/-0.031 χ^2/NDF:161892.8/4

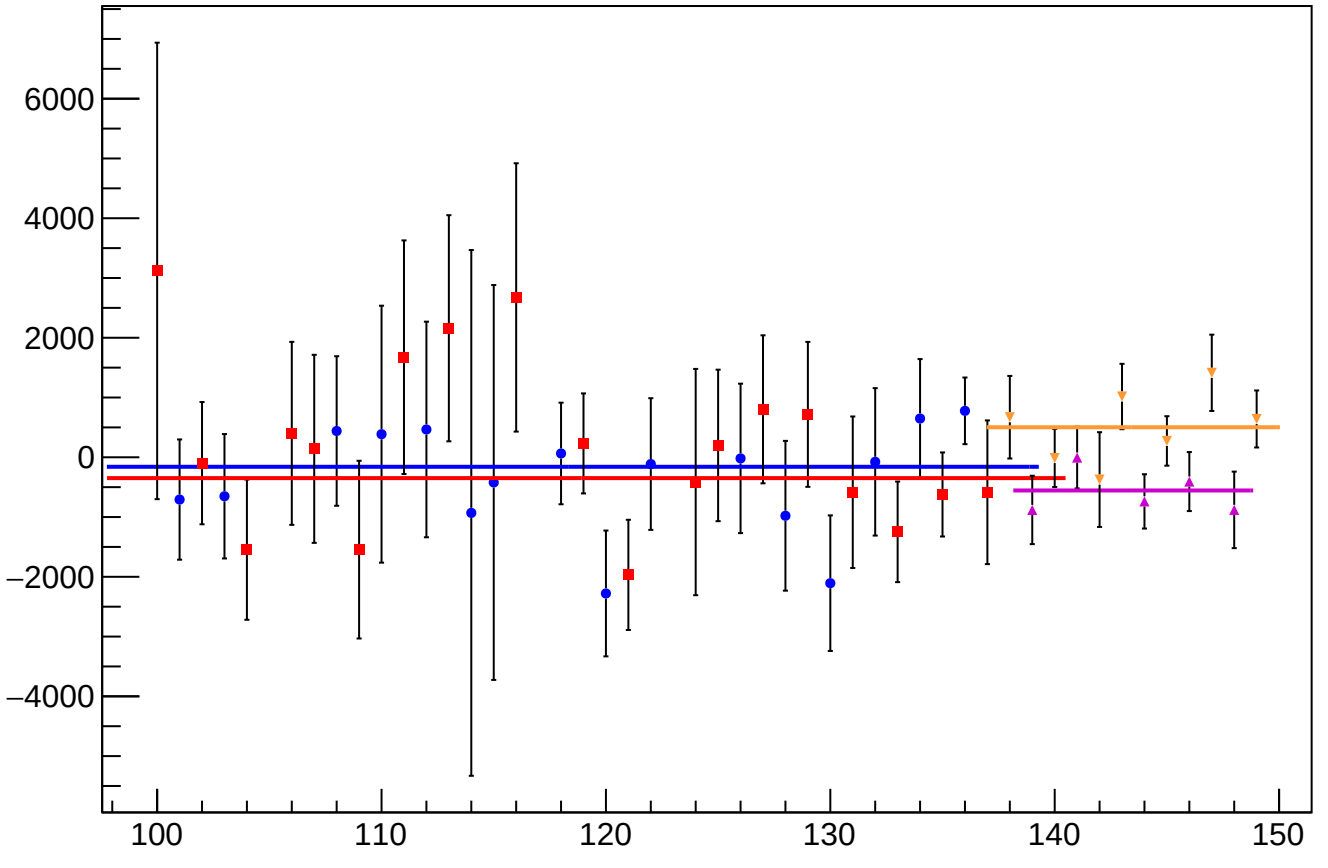
Left: 90.678+/-0.021 χ^2/NDF: 492211.9/11

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.210+/-0.022 χ^2/NDF:1024835.1/20

Out: 103.807+/-0.021 χ^2/NDF:1205904.7/25

All: 103.039+/-0.015 χ^2/NDF: 2233509.1/46



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 502.688+/-204.352 χ^2/NDF:5.7/6

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -555.332+/-234.465 χ^2/NDF:2.0/4

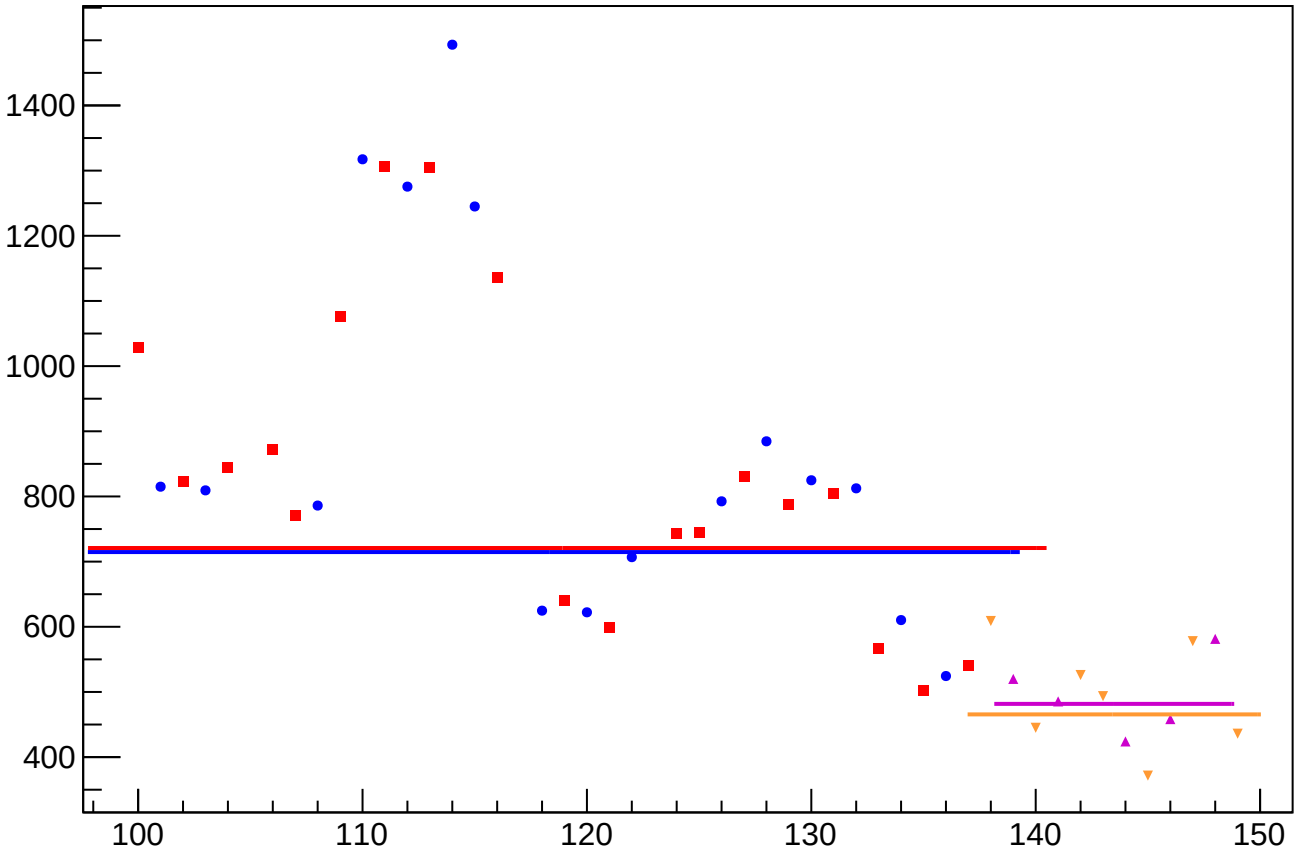
Left: 45.944+/-154.052 χ^2/NDF: 19.3/11

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -388.237+/-178.298 χ^2/NDF:15.1/20

Out: 197.867+/-163.724 χ^2/NDF:26.2/25

All: -70.255+/-120.594 χ^2/NDF: 47.2/46



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 465.567+/-0.144 χ^2/NDF:279183.1/6

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 481.697+/-0.166 χ^2/NDF:94325.6/4

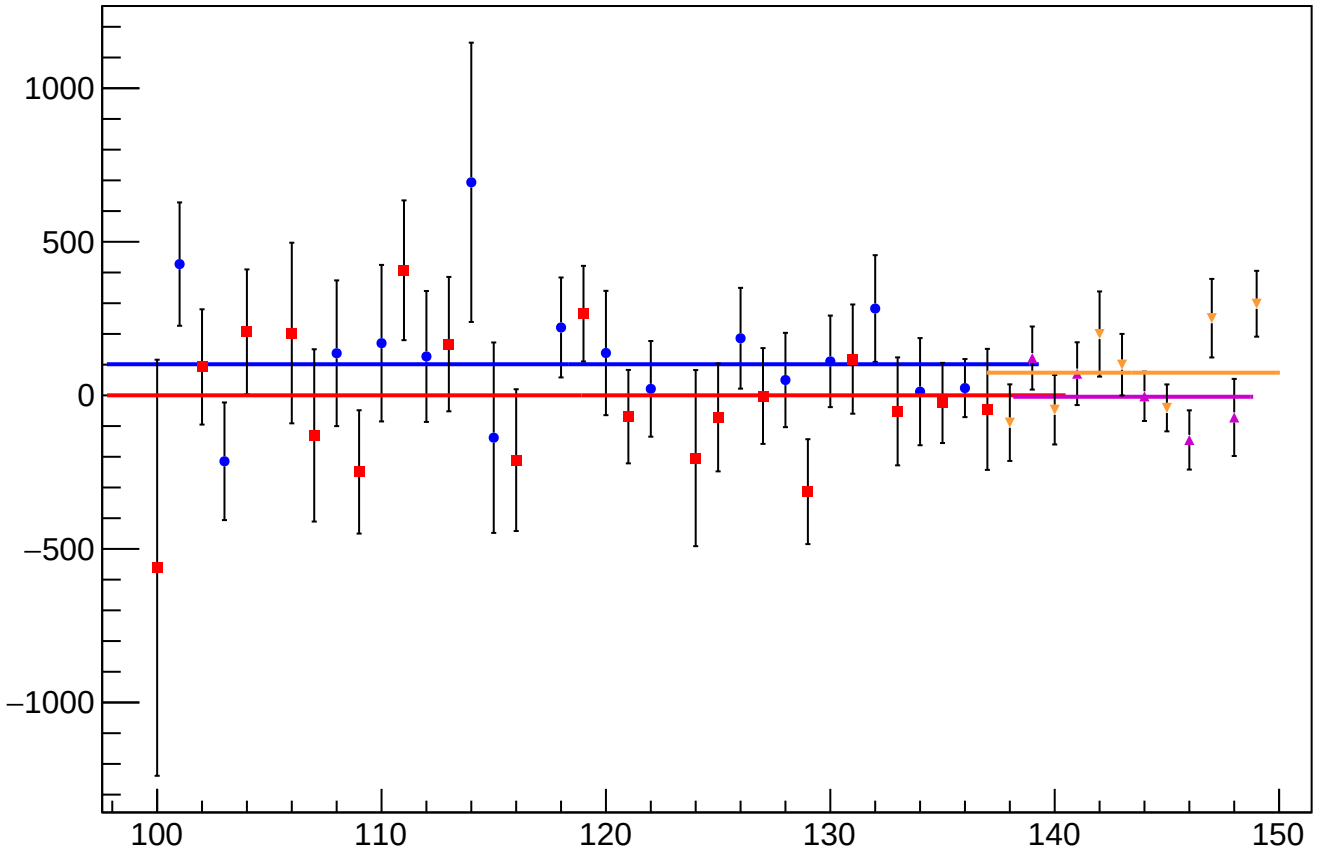
Left: 472.530+/-0.109 χ^2/NDF: 378887.9/11

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 579.945+/-0.126 χ^2/NDF:1803258.7/20

Out: 556.996+/-0.116 χ^2/NDF:2415617.4/25

All: 567.495+/-0.085 χ^2/NDF: 4236851.7/46



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 73.810+/-40.368 χ^2/NDF:12.3/6

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -4.603+/-44.002 χ^2/NDF:4.5/4

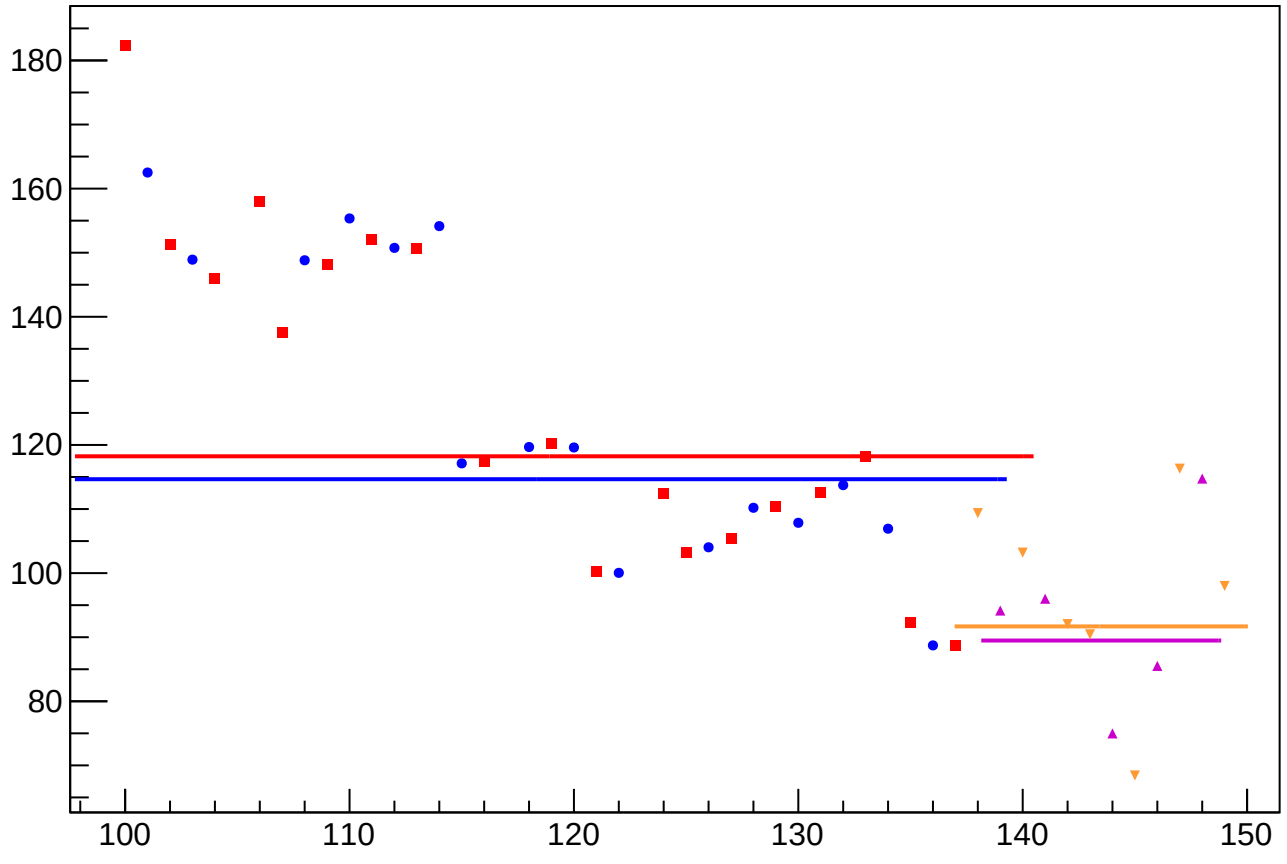
Left: 37.974+/-29.747 χ^2/NDF: 18.5/11

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 48.933+/-30.939 χ^2/NDF:18.4/20

Out: 40.162+/-29.757 χ^2/NDF:30.4/25

All: 44.377+/-21.447 χ^2/NDF: 48.9/46



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 91.686+/-0.029 χ^2/NDF:327601.1/6

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: 90.678+/-0.021 χ^2/NDF: 492219.4/11

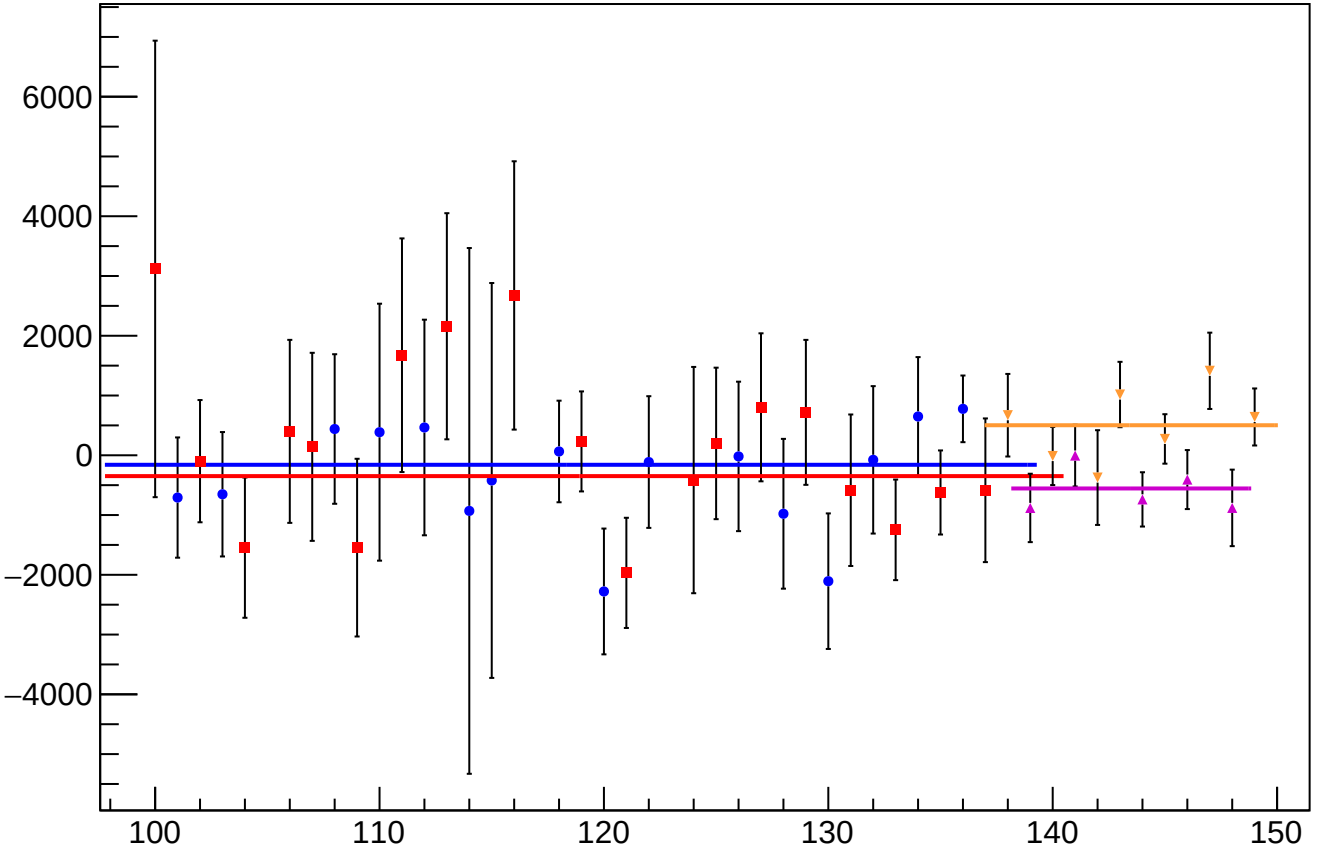
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.210+/-0.022 χ^2/NDF:1024824.4/20

Out: 103.807+/-0.021 χ^2/NDF:1205902.9/25

All: 103.040+/-0.015 χ^2/NDF: 2233496.1/46

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: 502.688+/-204.352 χ^2/NDF:5.7/6

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: 45.944+/-154.052 χ^2/NDF: 19.3/11

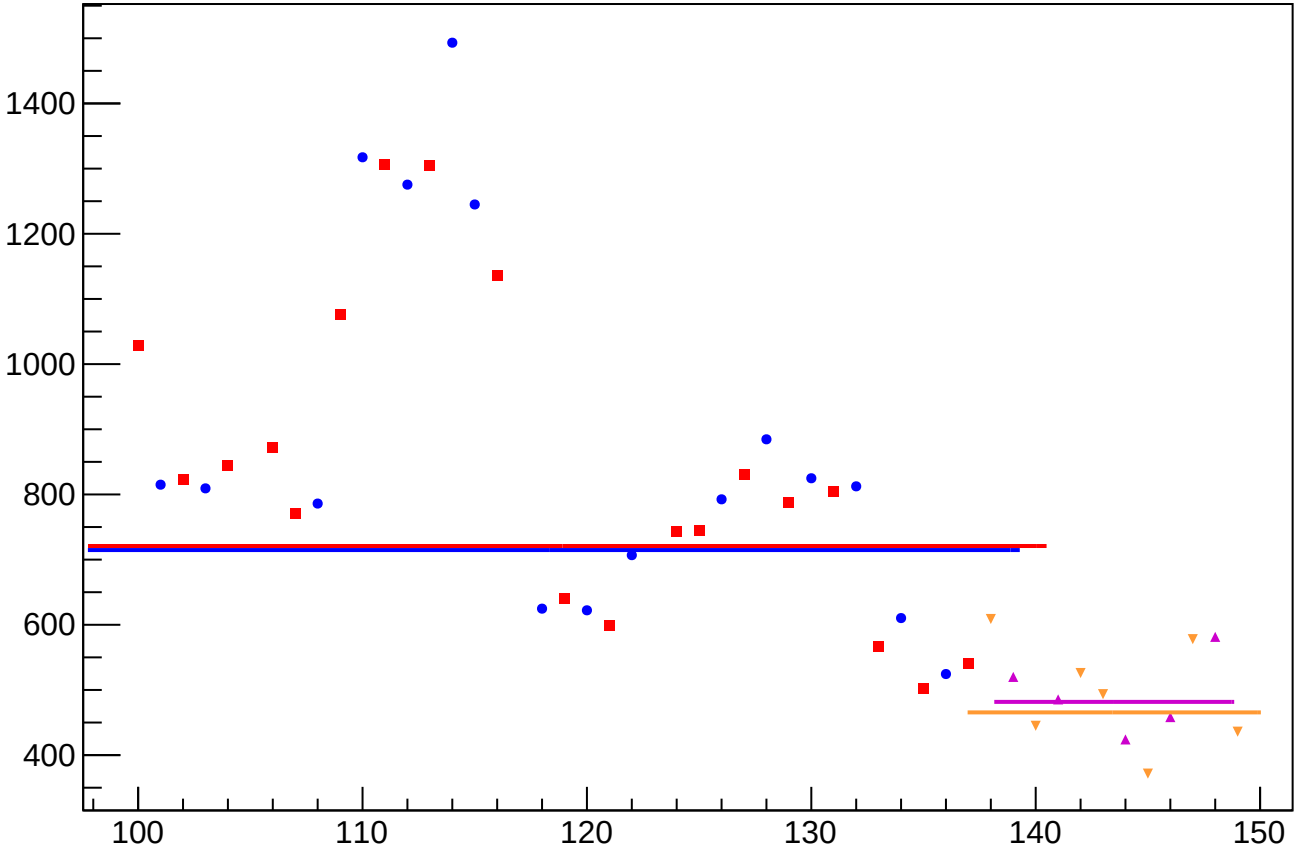
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -388.237+/-178.298 χ^2/NDF:15.1/20

Out: 197.866+/-163.724 χ^2/NDF:26.2/25

All: -70.255+/-120.594 χ^2/NDF: 47.2/46

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: 465.567+/-0.144 χ^2/NDF:279187.1/6

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: 472.531+/-0.109 χ^2/NDF: 378893.3/11

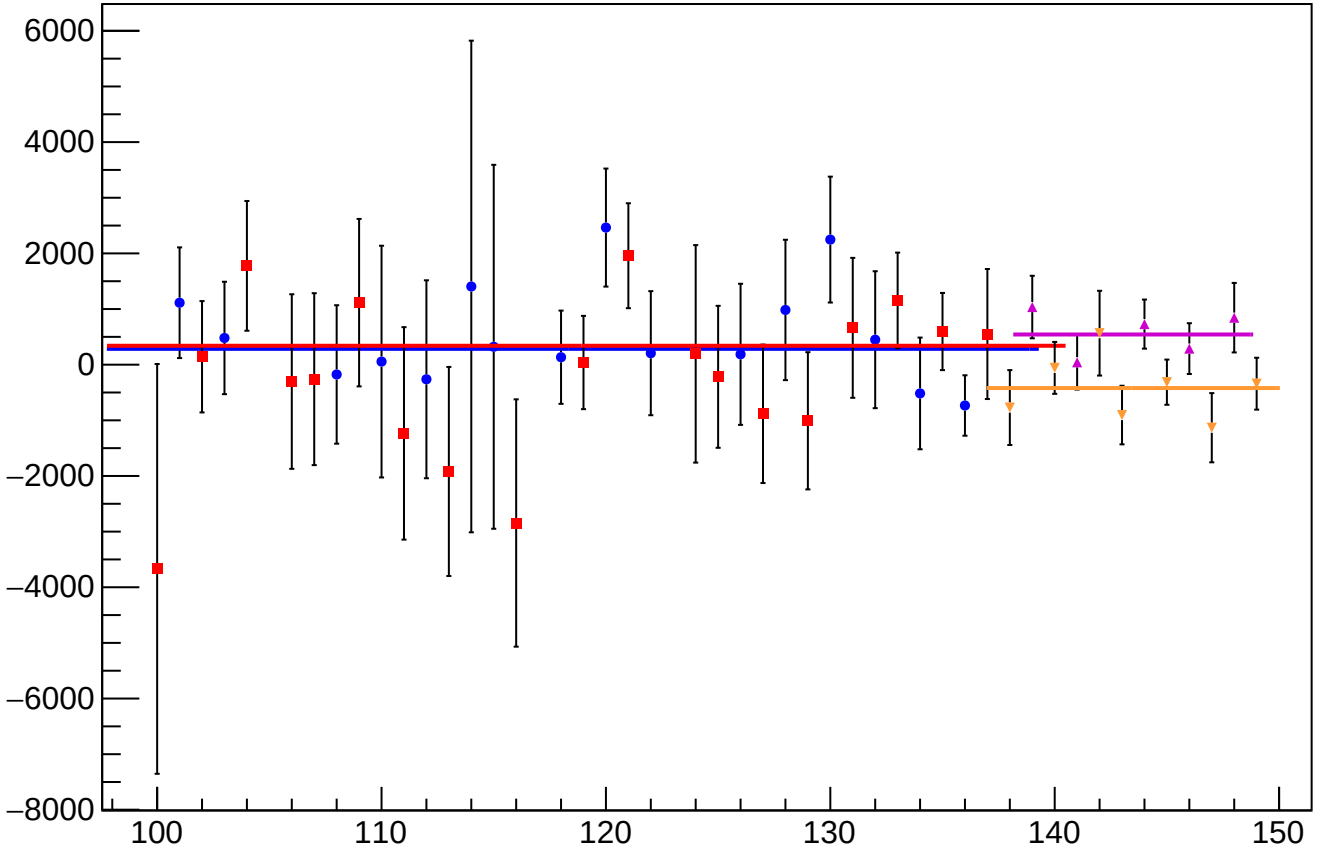
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 579.946+/-0.126 χ^2/NDF:1803251.7/20

Out: 556.997+/-0.116 χ^2/NDF:2415611.5/25

All: 567.495+/-0.085 χ^2/NDF: 4236838.9/46

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -419.889+/-198.507 χ^2/NDF:4.8/6

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 542.667+/-224.557 χ^2/NDF:2.5/4

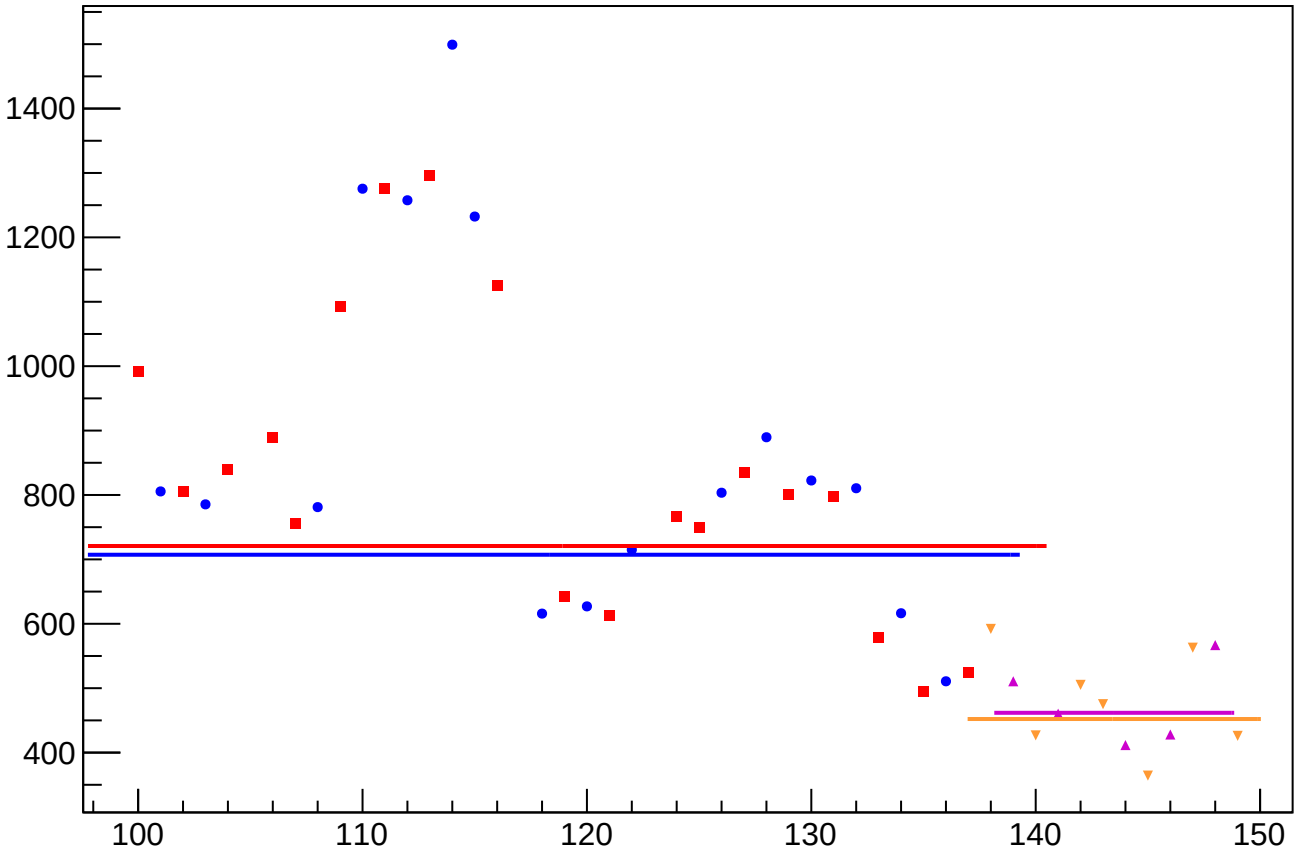
Left: 2.344+/-148.727 χ^2/NDF: 17.7/11

Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 438.115+/-173.154 χ^2/NDF:15.9/20

Out: -157.825+/-160.673 χ^2/NDF:23.9/25

All: 117.895+/-117.778 χ^2/NDF: 46.2/46



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 452.134+/-0.140 χ^2/NDF:269198.5/6

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 461.786+/-0.159 χ^2/NDF:108548.5/4

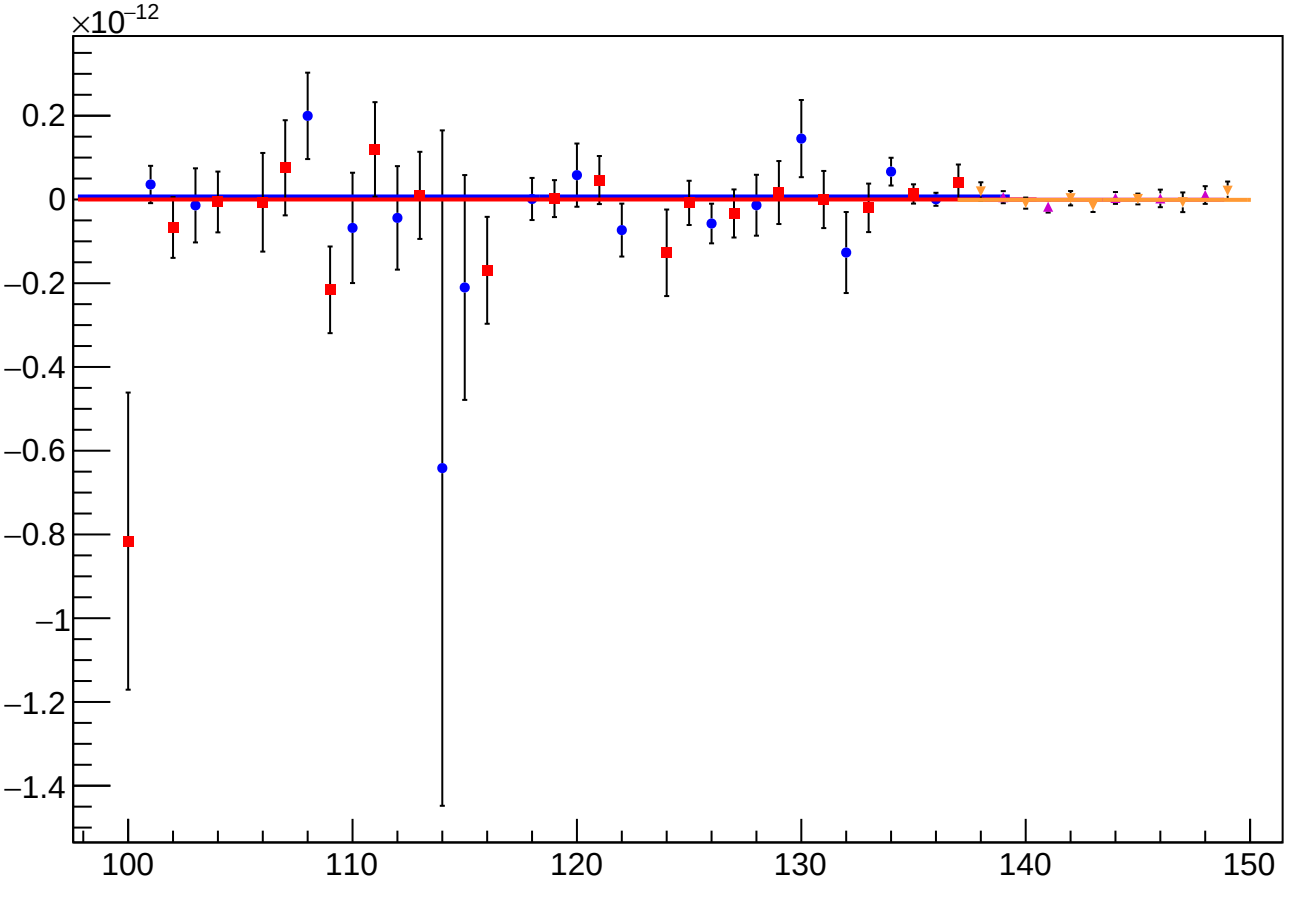
Left: 456.368+/-0.105 χ^2/NDF: 379821.2/11

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 561.286+/-0.122 χ^2/NDF:1973765.7/20

Out: 544.780+/-0.114 χ^2/NDF:2547691.3/25

All: 552.416+/-0.083 χ^2/NDF: 4531222.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/4

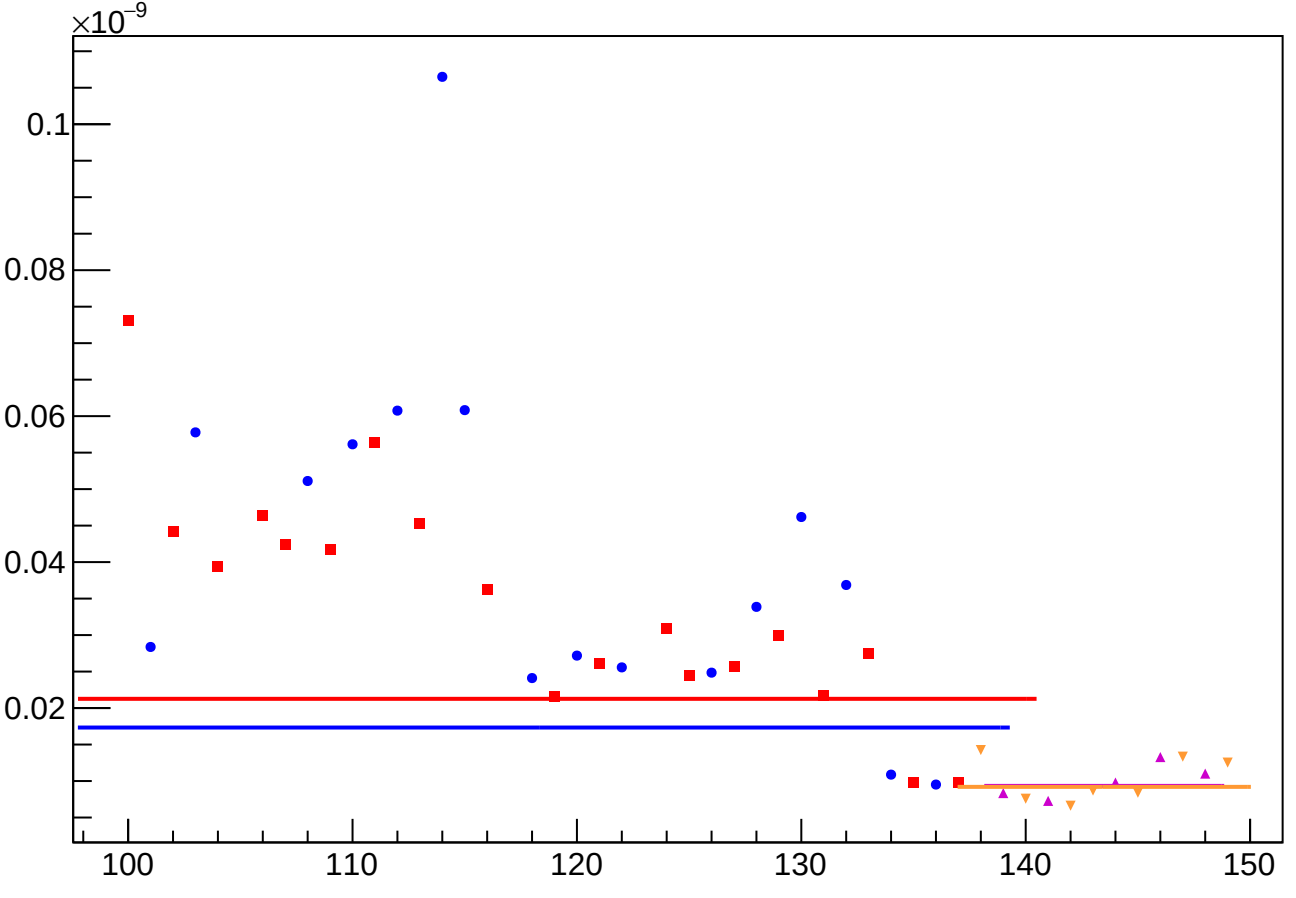
Left: -0.000+/-0.000 χ^2/NDF: 5.1/11

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:20.9/25

All: 0.000+/-0.000 χ^2/NDF: 40.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:299533.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:137491.6/4

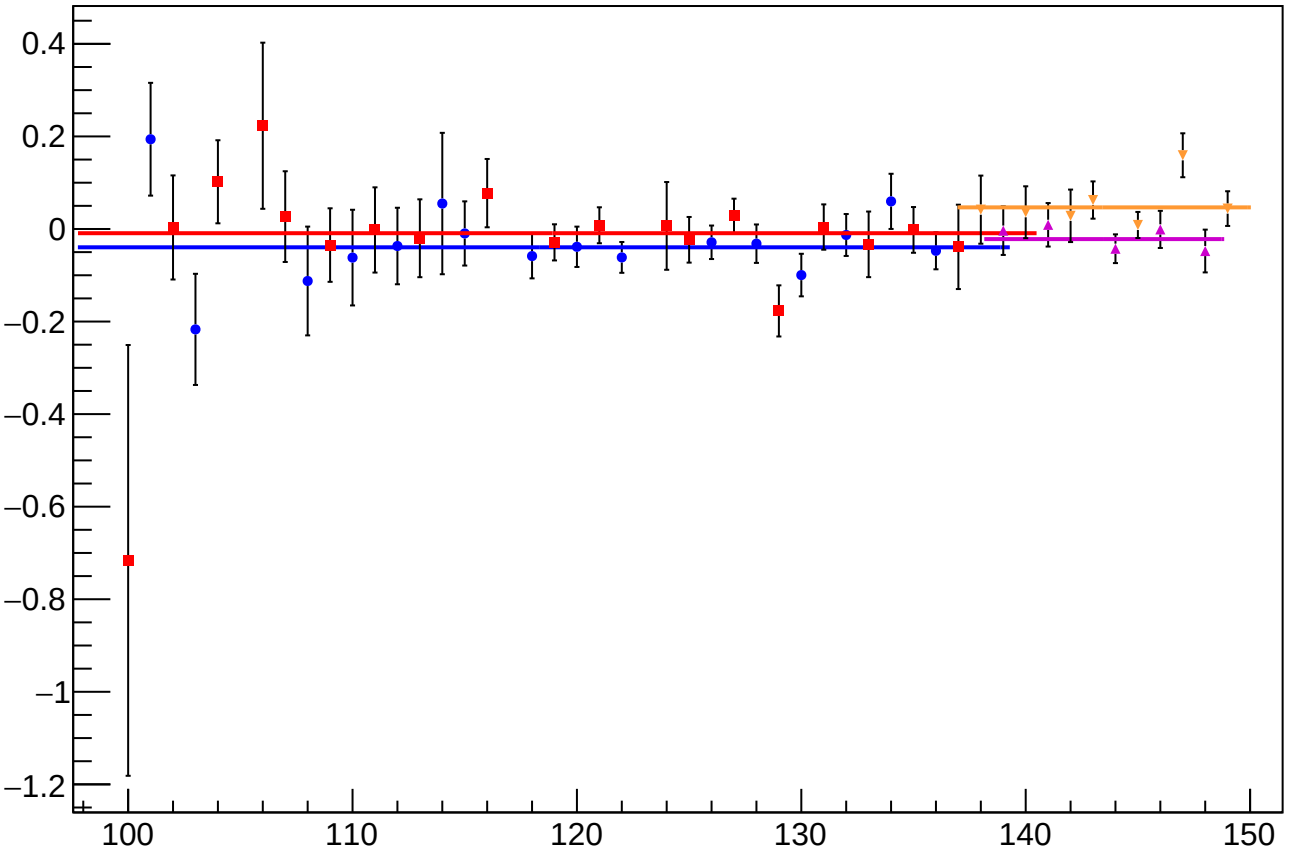
Left: 0.000+/-0.000 χ^2/NDF: 437407.0/11

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:3299627.4/25

All: 0.000+/-0.000 χ^2/NDF: 6504313.1/46



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.016 χ^2/NDF:7.7/6

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.022+/-0.018 χ^2/NDF:1.6/4

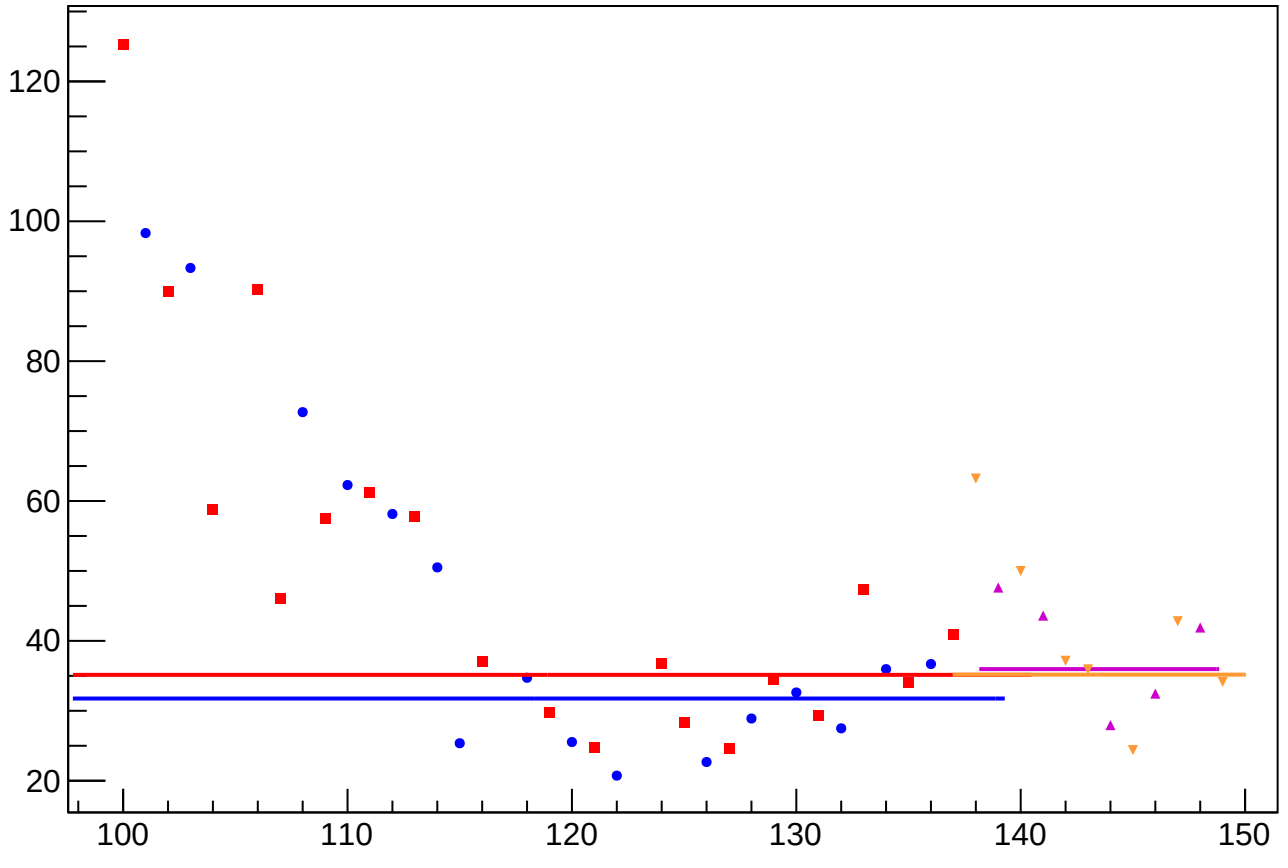
Left: 0.017+/-0.012 χ^2/NDF: 17.2/11

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.015+/-0.011 χ^2/NDF:32.8/25

All: -0.009+/-0.008 χ^2/NDF: 57.9/46



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.172+/-0.011 χ^2/NDF:780486.5/6

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

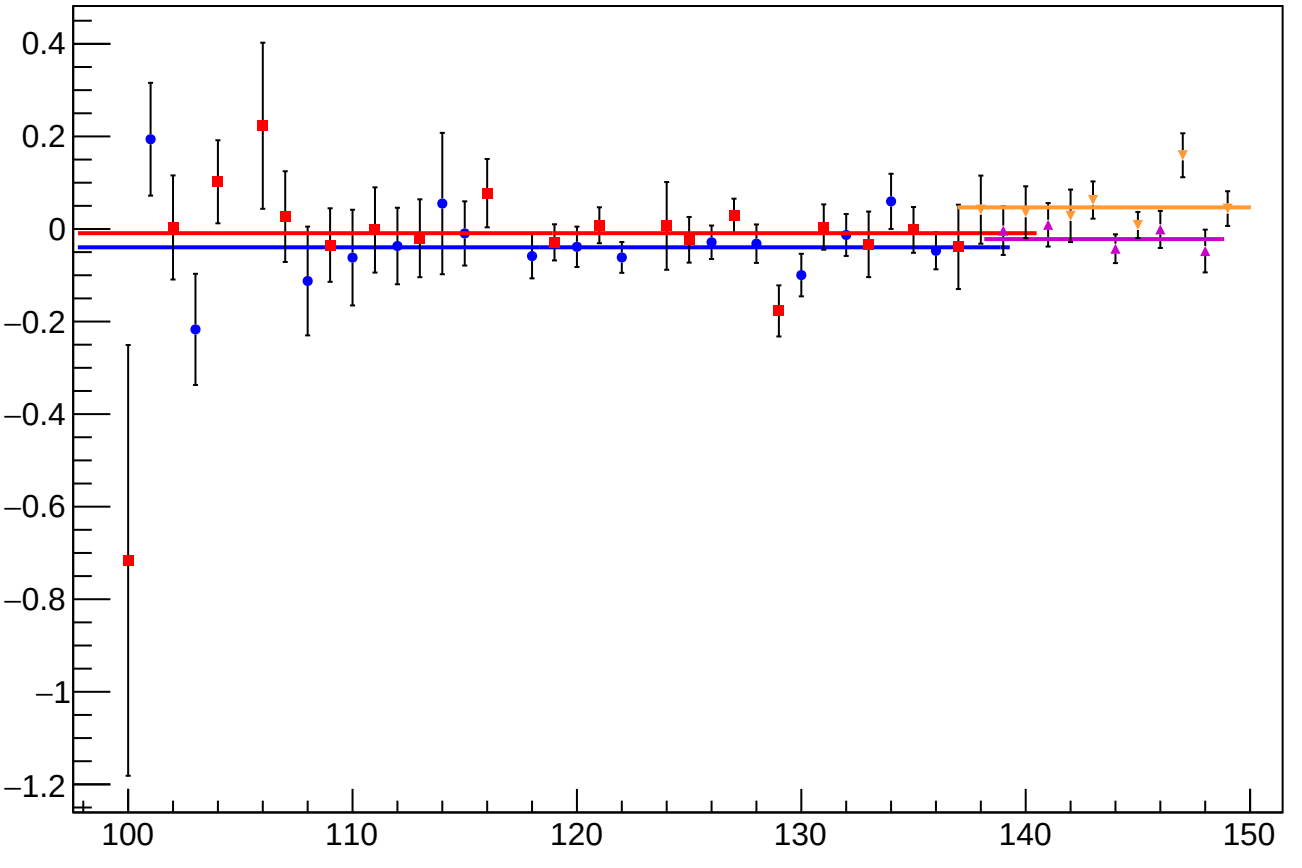
Left: 35.516+/-0.009 χ^2/NDF: 1115466.7/11

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.176+/-0.008 χ^2/NDF:2654335.9/20

Out: 35.154+/-0.008 χ^2/NDF:2625167.3/25

All: 34.172+/-0.005 χ^2/NDF: 5313801.9/46



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.016 χ^2/NDF:7.7/6

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: 0.017+/-0.012 χ^2/NDF: 17.2/11

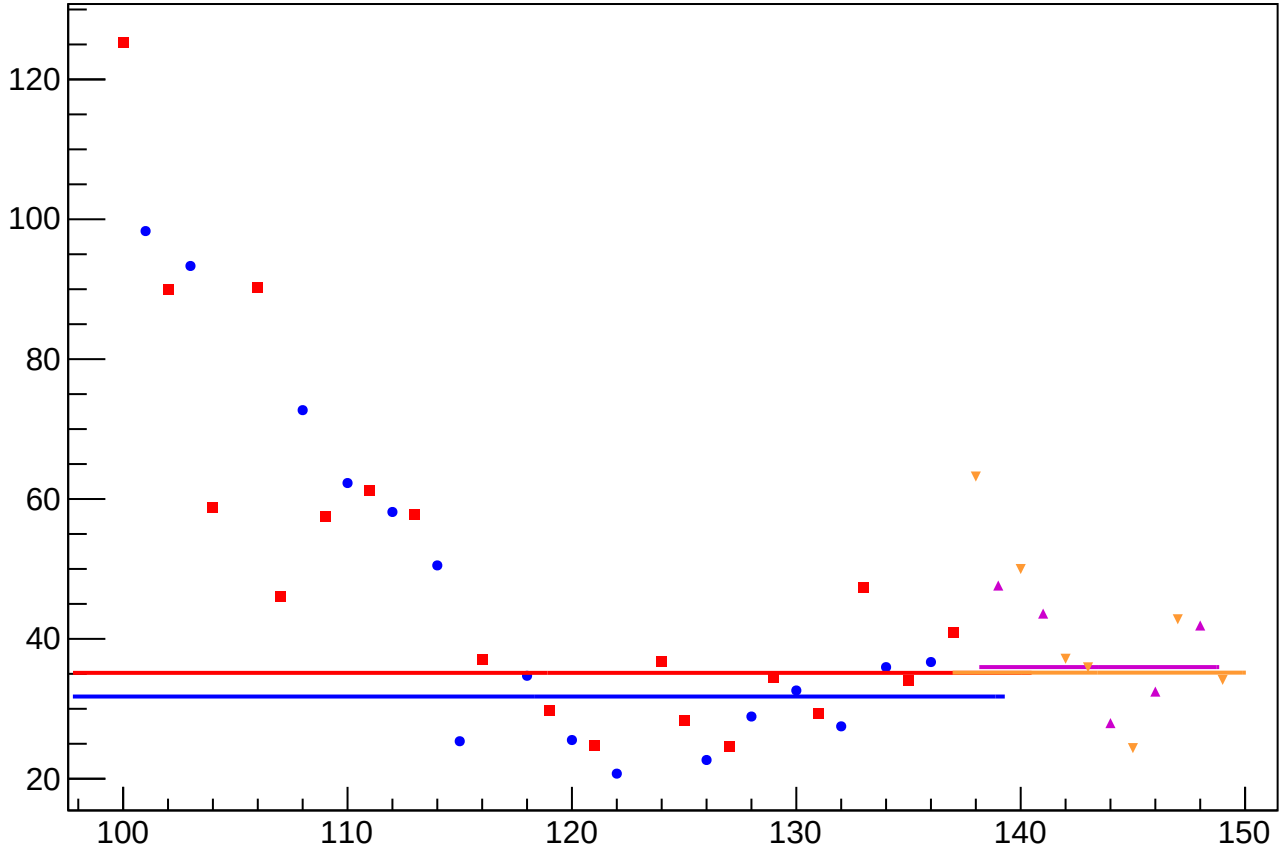
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.015+/-0.011 χ^2/NDF:32.8/25

All: -0.009+/-0.008 χ^2/NDF: 57.9/46

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: 35.172+/-0.011 χ^2/NDF:780486.5/6

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332883.8/4

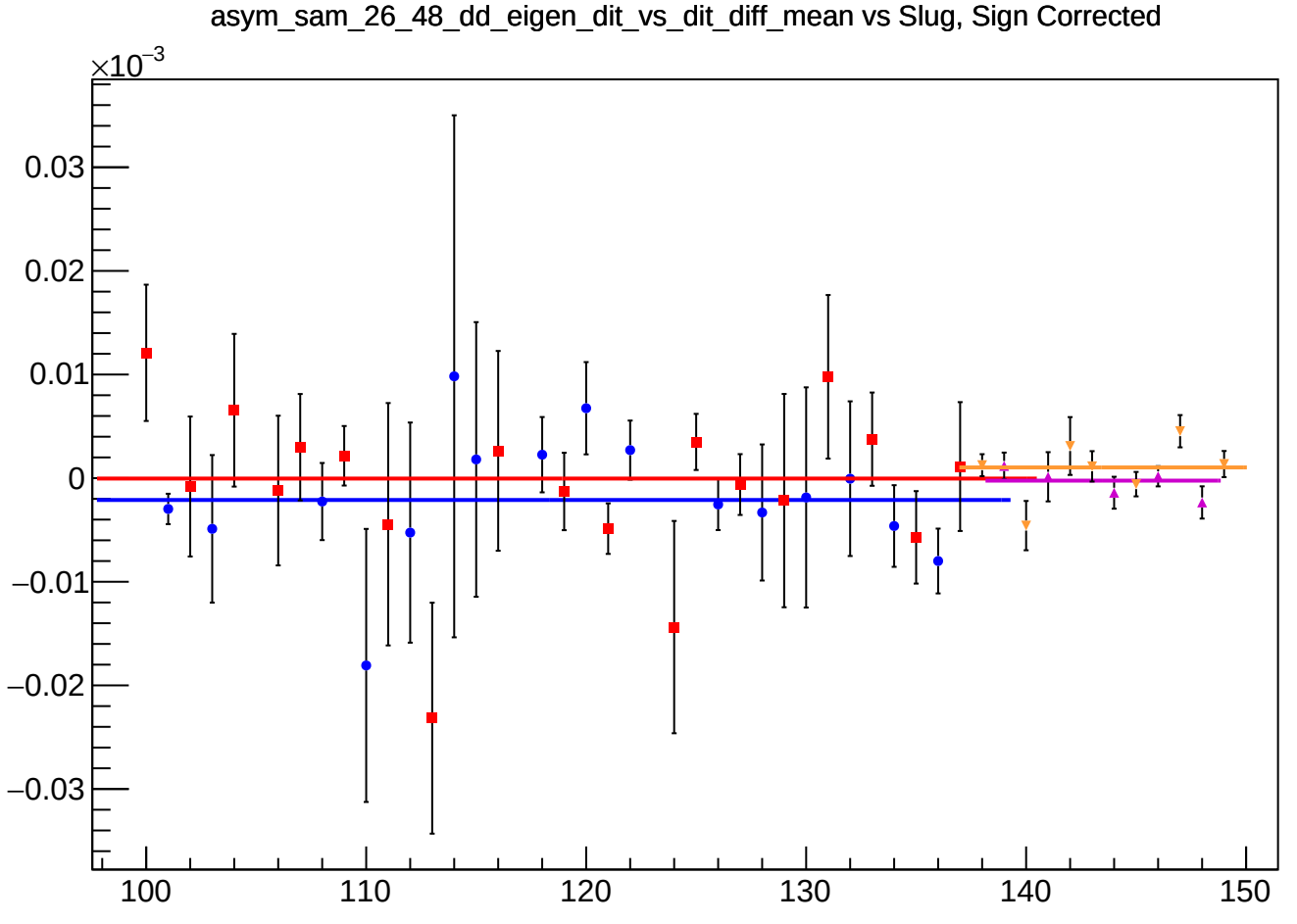
Left: 35.516+/-0.009 χ^2/NDF: 1115466.7/11

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.176+/-0.008 χ^2/NDF:2654335.9/20

Out: 35.154+/-0.008 χ^2/NDF:2625167.3/25

All: 34.172+/-0.005 χ^2/NDF: 5313801.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/4

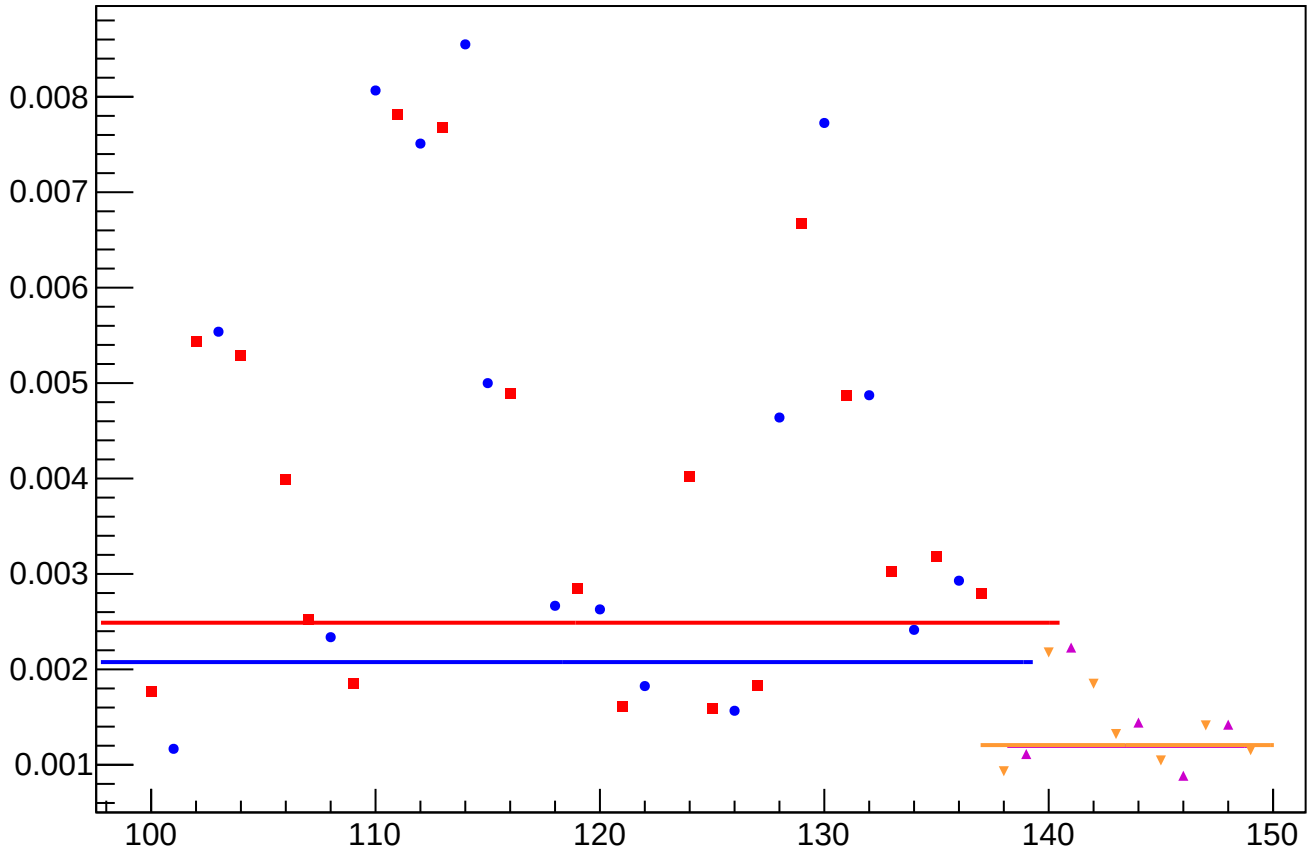
Left: 0.000+/-0.000 χ^2/NDF: 19.4/11

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:35.4/25

All: 0.000+/-0.000 χ^2/NDF: 62.3/46



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:661100.0/6

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:680930.0/4

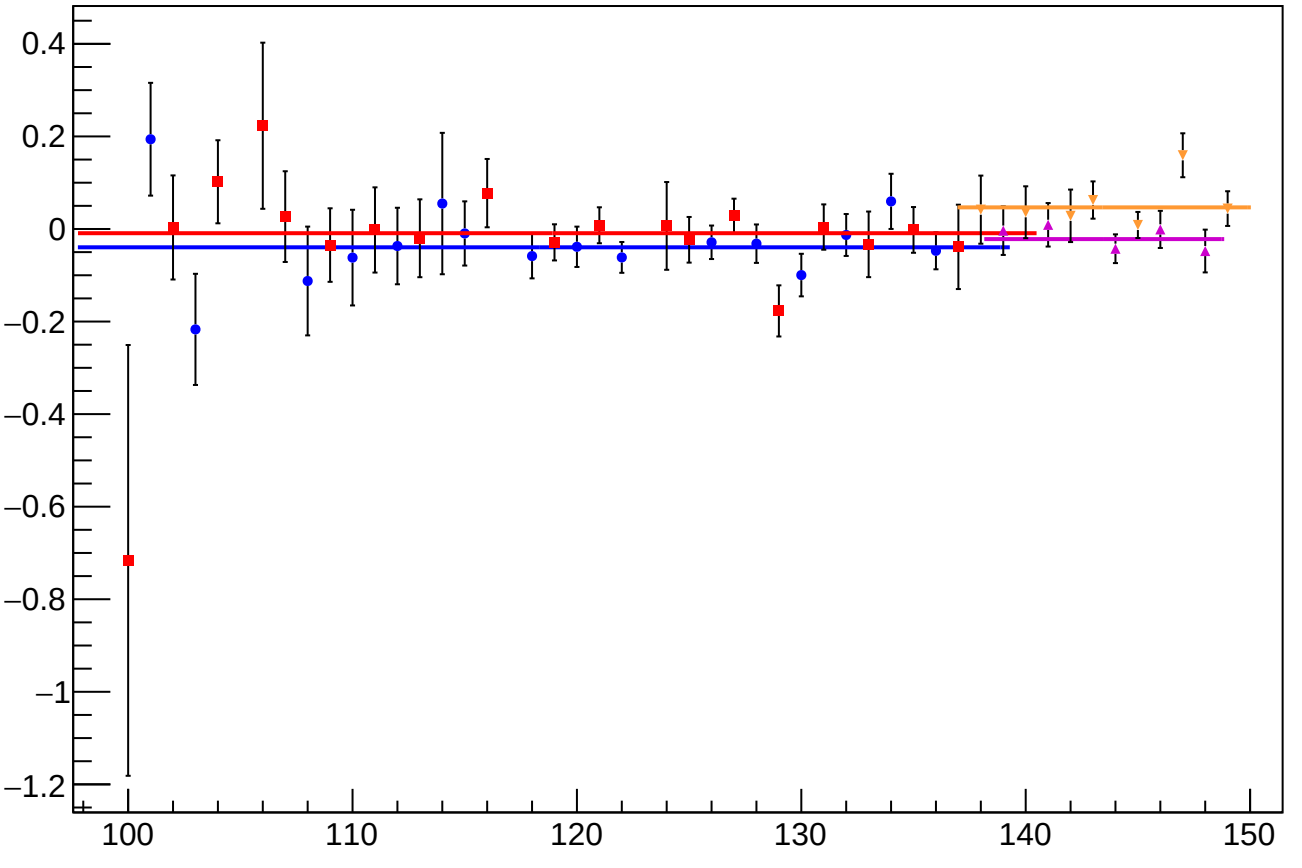
Left: 0.001+/-0.000 χ^2/NDF: 1342274.1/11

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:5881896.9/20

Out: 0.001+/-0.000 χ^2/NDF:6138616.9/25

All: 0.001+/-0.000 χ^2/NDF: 12020692.0/46



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.016 χ^2/NDF:7.7/6

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: 0.017+/-0.012 χ^2/NDF: 17.2/11

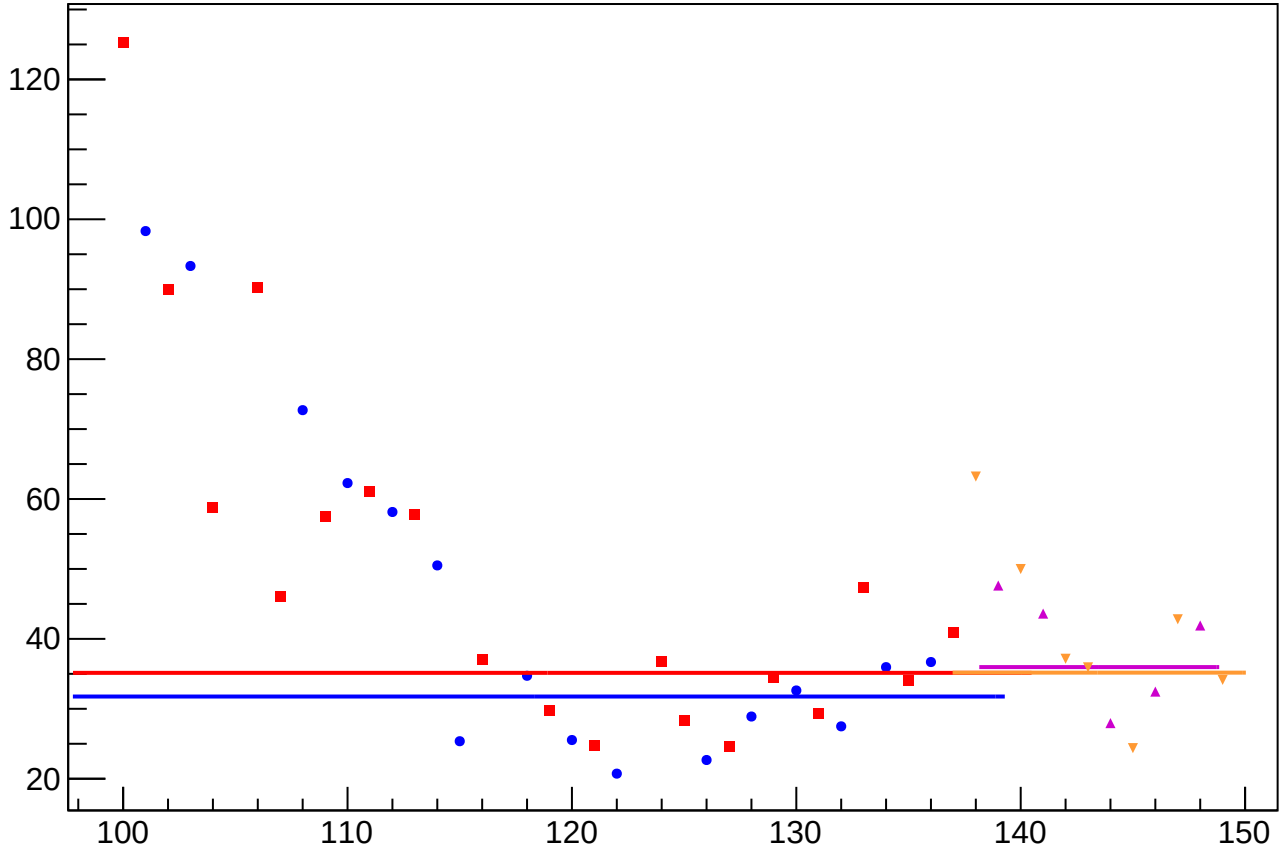
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.015+/-0.011 χ^2/NDF:32.8/25

All: -0.009+/-0.008 χ^2/NDF: 57.9/46

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: 35.172+/-0.011 χ^2/NDF:780535.9/6

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

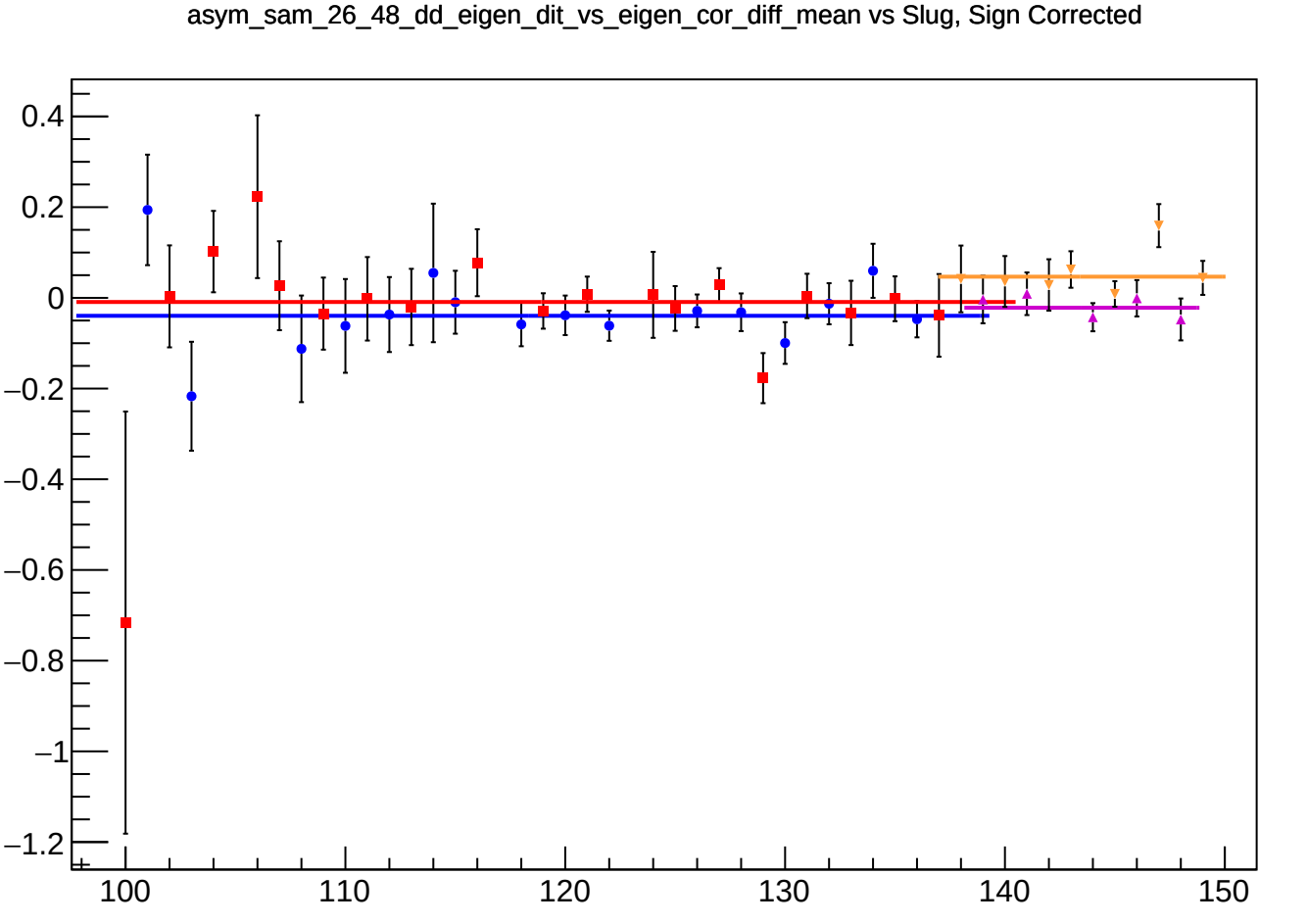
Left: 35.516+/-0.009 χ^2/NDF: 1115532.5/11

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.177+/-0.008 χ^2/NDF:2654317.4/20

Out: 35.154+/-0.008 χ^2/NDF:2625112.7/25

All: 34.172+/-0.005 χ^2/NDF: 5313727.8/46



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.016 χ^2/NDF:7.7/6

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: 0.017+/-0.012 χ^2/NDF: 17.2/11

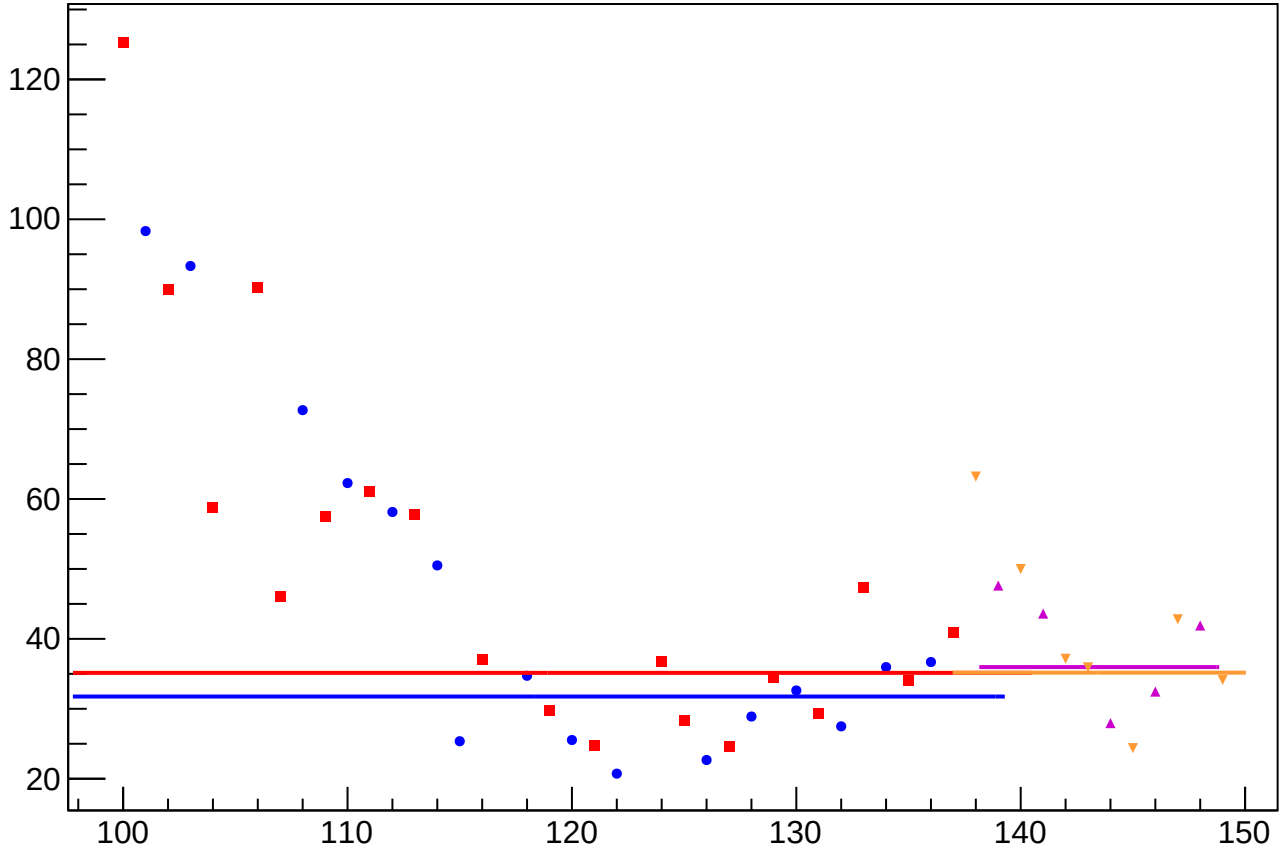
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.034+/-0.011 χ^2/NDF:14.6/20

Out: 0.015+/-0.011 χ^2/NDF:32.8/25

All: -0.009+/-0.008 χ^2/NDF: 57.9/46

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: 35.172+/-0.011 χ^2/NDF:780535.9/6

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.965+/-0.013 χ^2/NDF:332899.6/4

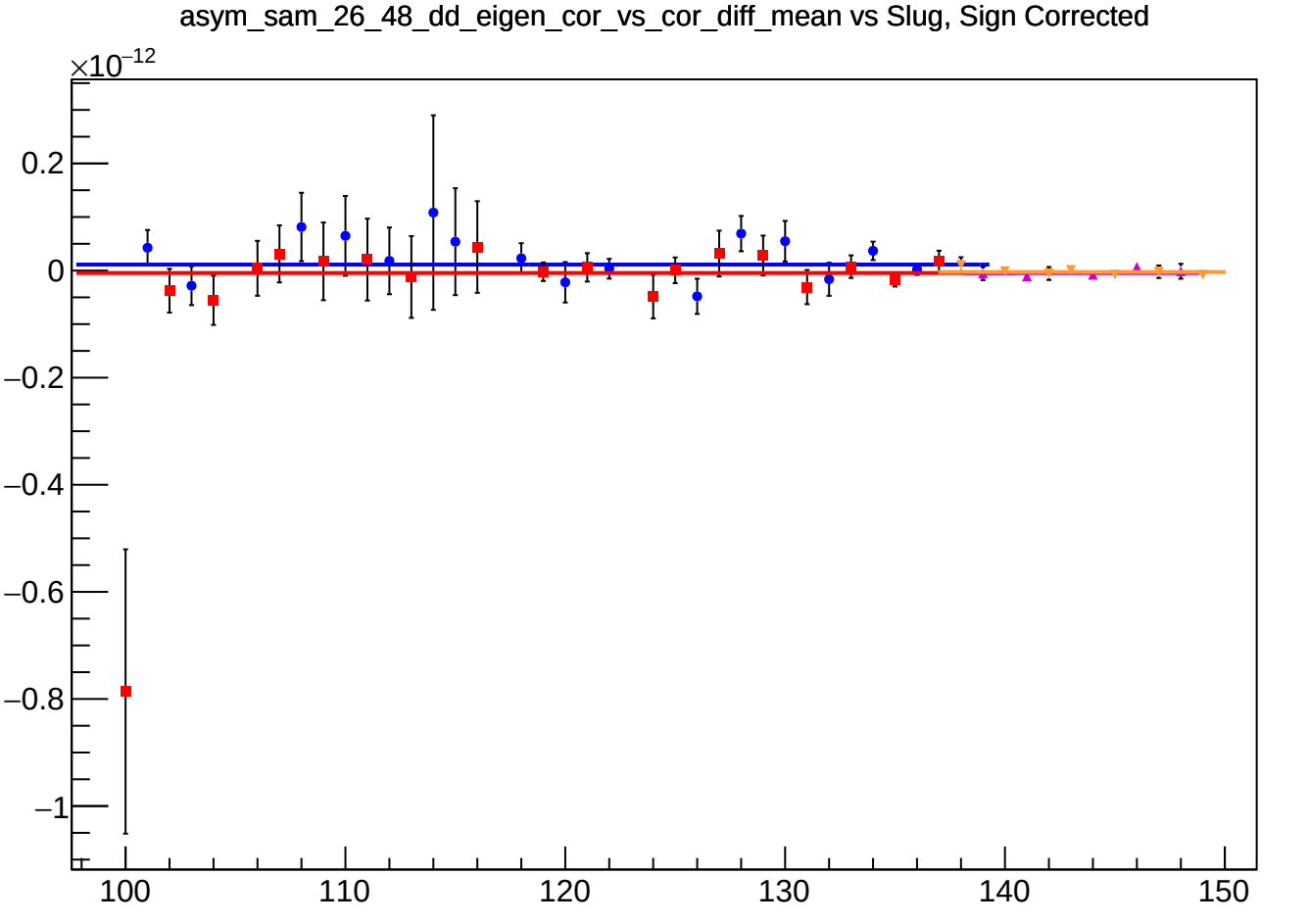
Left: 35.516+/-0.009 χ^2/NDF: 1115532.5/11

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.177+/-0.008 χ^2/NDF:2654317.4/20

Out: 35.154+/-0.008 χ^2/NDF:2625112.7/25

All: 34.172+/-0.005 χ^2/NDF: 5313727.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/4

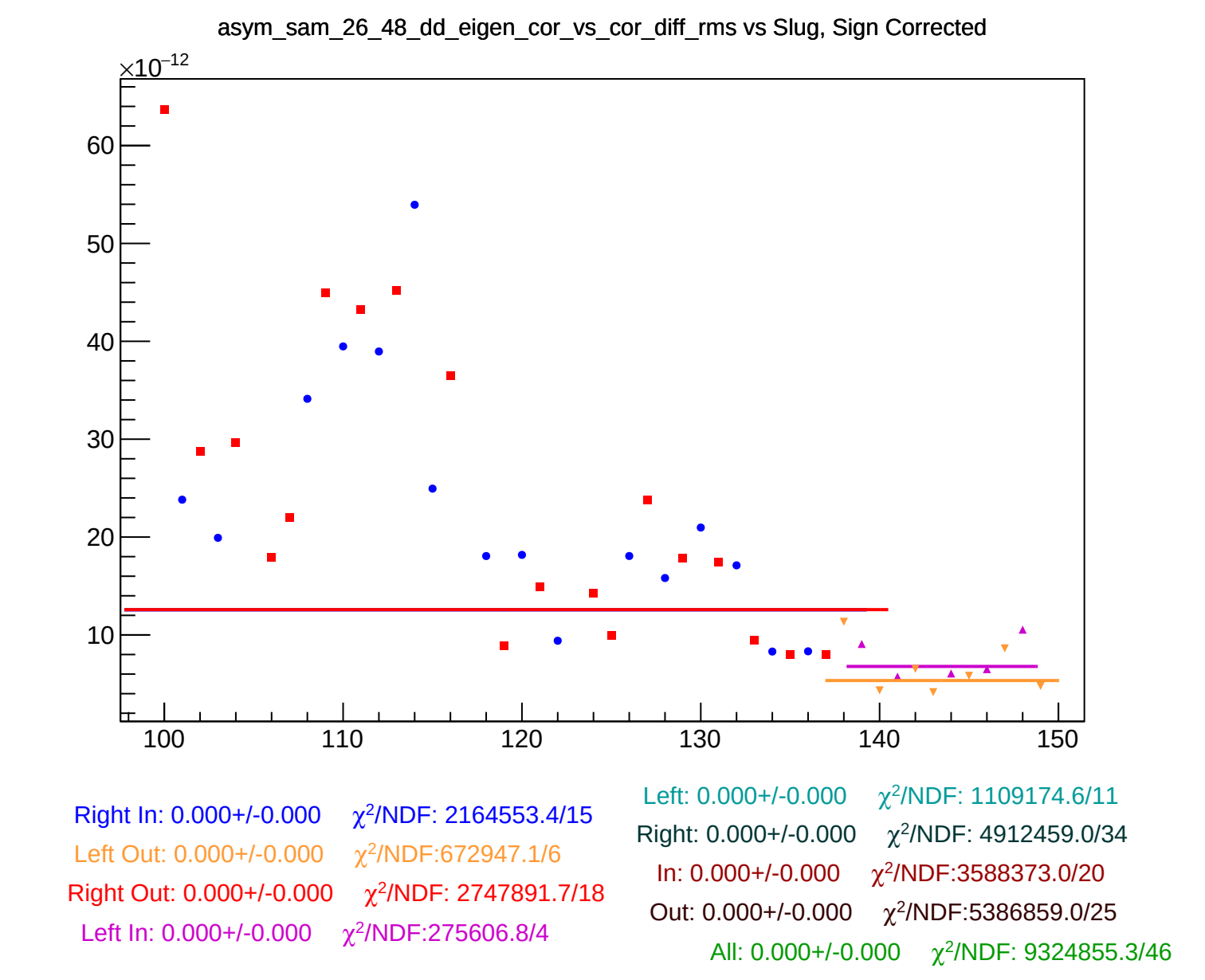
Left: -0.000+/-0.000 χ^2/NDF: 4.9/11

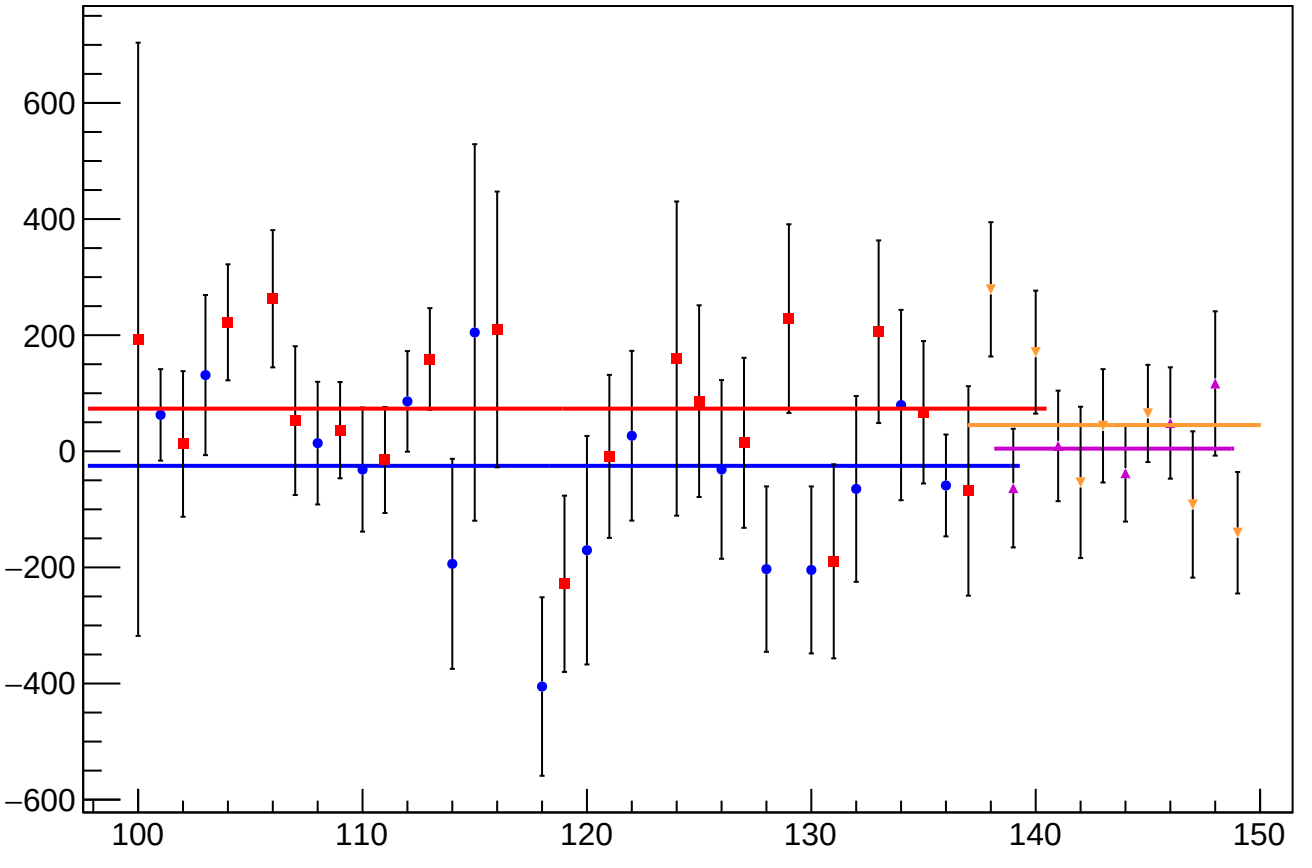
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:23.8/20

Out: -0.000+/-0.000 χ^2/NDF:19.8/25

All: -0.000+/-0.000 χ^2/NDF: 44.0/46


asym_sam_26_48_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: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:672947.1/6
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:275606.8/4
Left: 0.000+/-0.000 χ²/NDF: 1109174.6/11
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:3588373.0/20
Out: 0.000+/-0.000 χ²/NDF:5386859.0/25
All: 0.000+/-0.000 χ²/NDF: 9324855.3/46



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 45.199+/-40.010 χ^2/NDF:10.4/6

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 4.578+/-43.715 χ^2/NDF:1.7/4

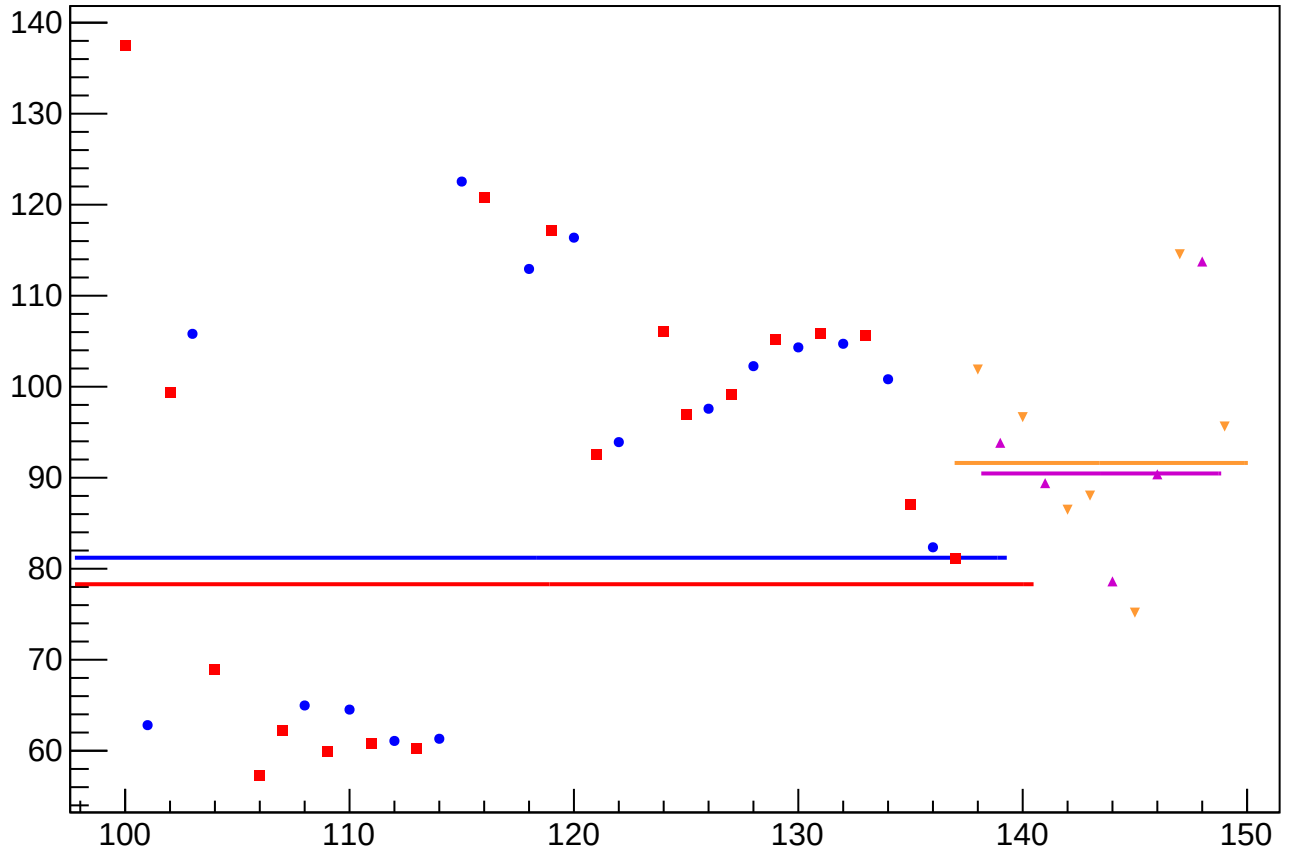
Left: 26.683+/-29.515 χ^2/NDF: 12.6/11

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -15.053+/-25.411 χ^2/NDF:18.2/20

Out: 63.316+/-23.969 χ^2/NDF:27.6/25

All: 26.419+/-17.436 χ^2/NDF: 50.8/46



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 91.623+/-0.028 χ^2/NDF:172378.1/6

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

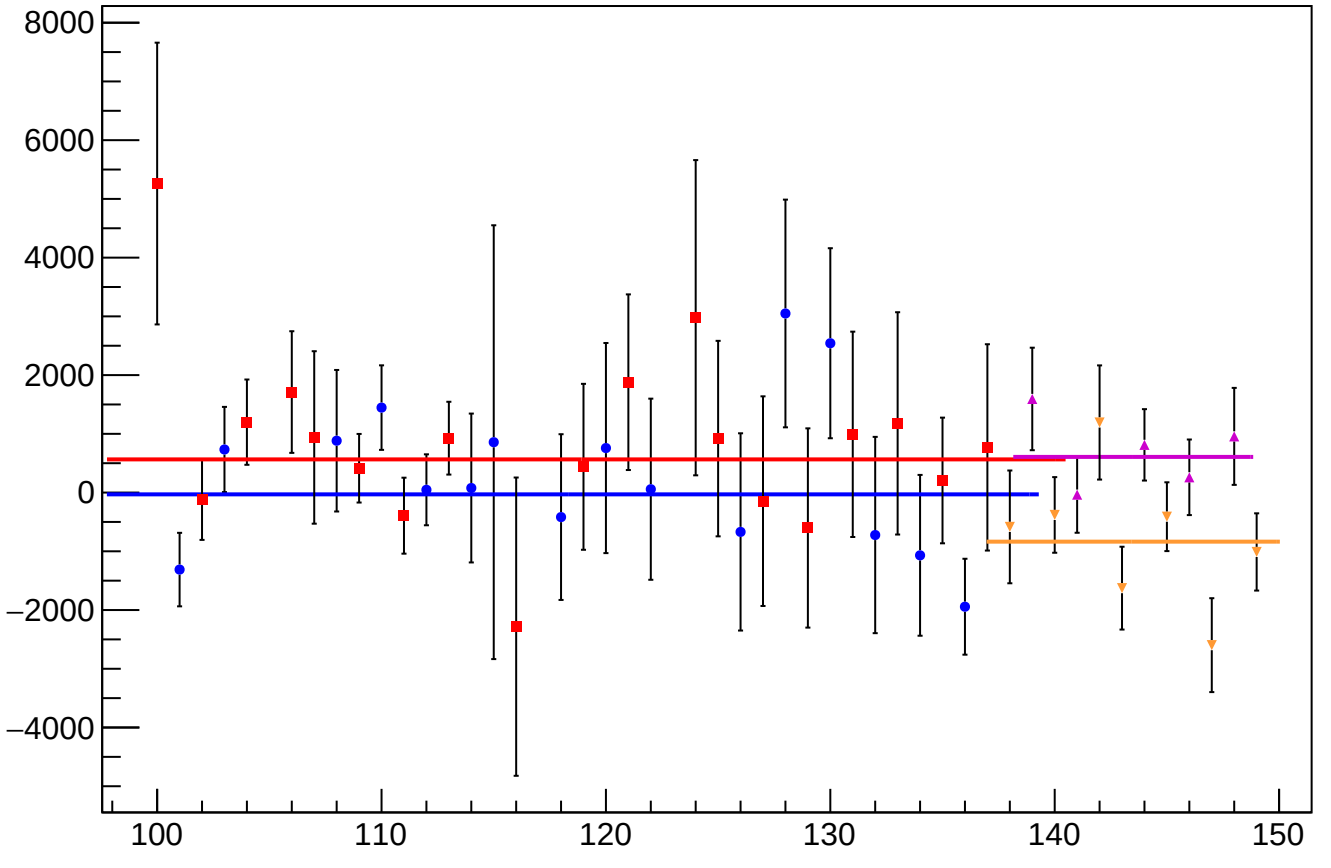
Left: 91.096+/-0.021 χ^2/NDF: 286200.2/11

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 84.338+/-0.018 χ^2/NDF:960122.3/20

Out: 83.080+/-0.017 χ^2/NDF:1249265.8/25

All: 83.672+/-0.012 χ^2/NDF: 2211981.2/46



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -835.617+/-273.593 χ^2/NDF:11.6/6

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: -208.320+/-205.695 χ^2/NDF: 26.6/11

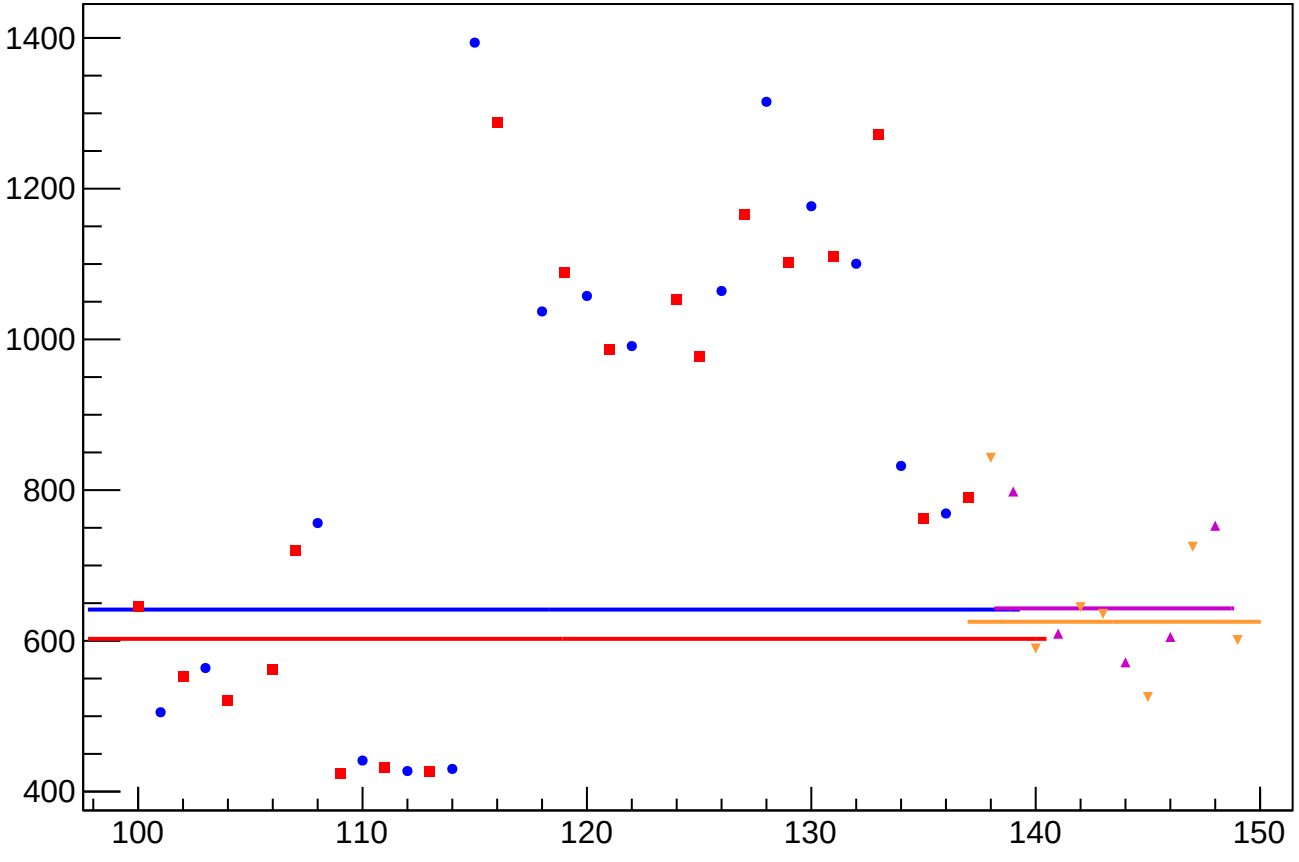
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 227.394+/-198.357 χ^2/NDF:27.2/20

Out: -39.813+/-179.777 χ^2/NDF:39.8/25

All: 80.692+/-133.207 χ^2/NDF: 68.0/46

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: 625.317+/-0.193 χ^2/NDF:201900.6/6

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 643.065+/-0.221 χ^2/NDF:138473.6/4

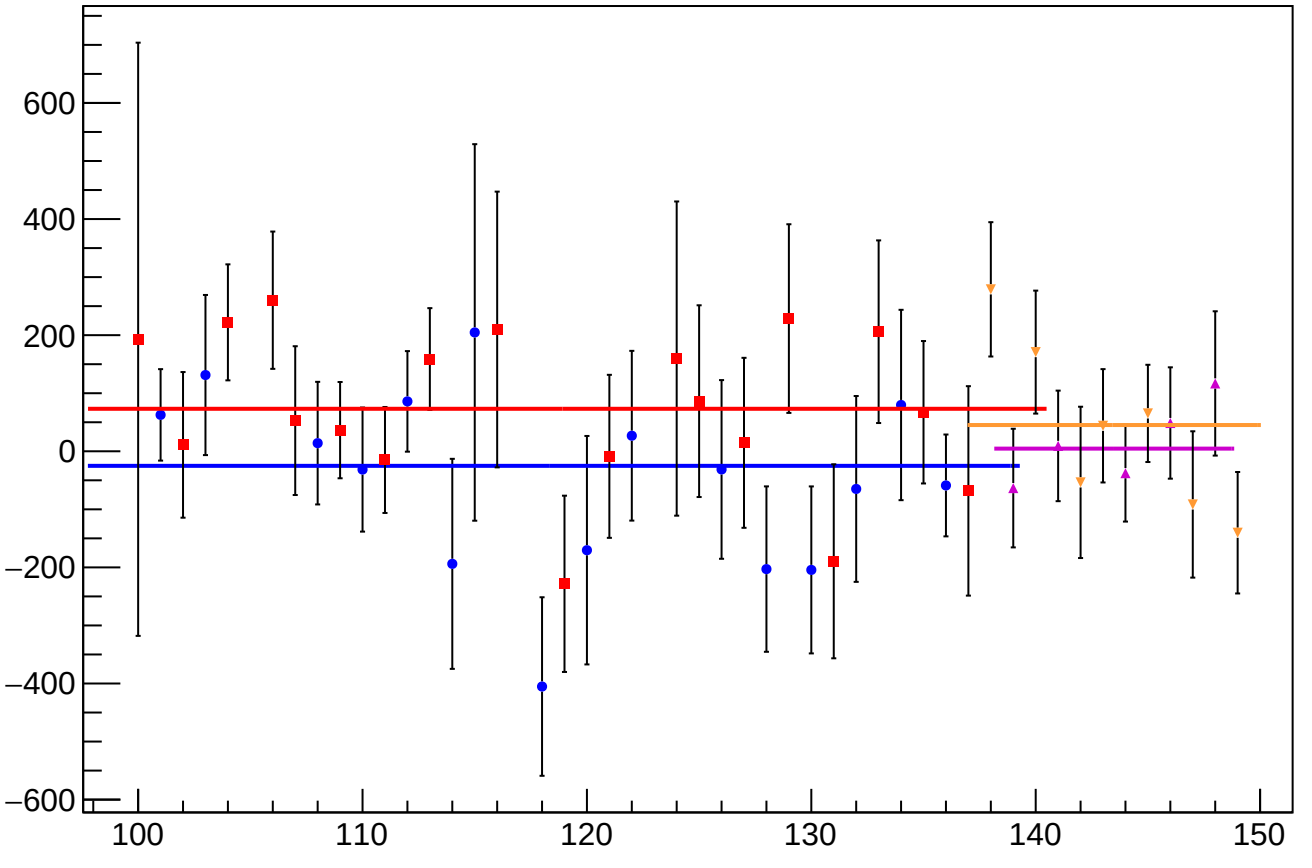
Left: 633.033+/-0.145 χ^2/NDF: 344033.1/11

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 642.132+/-0.140 χ^2/NDF:2013494.5/20

Out: 612.439+/-0.127 χ^2/NDF:2280006.6/25

All: 625.830+/-0.094 χ^2/NDF: 4318105.7/46



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 45.210+/-40.010 χ^2/NDF:10.4/6

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 4.586+/-43.715 χ^2/NDF:1.7/4

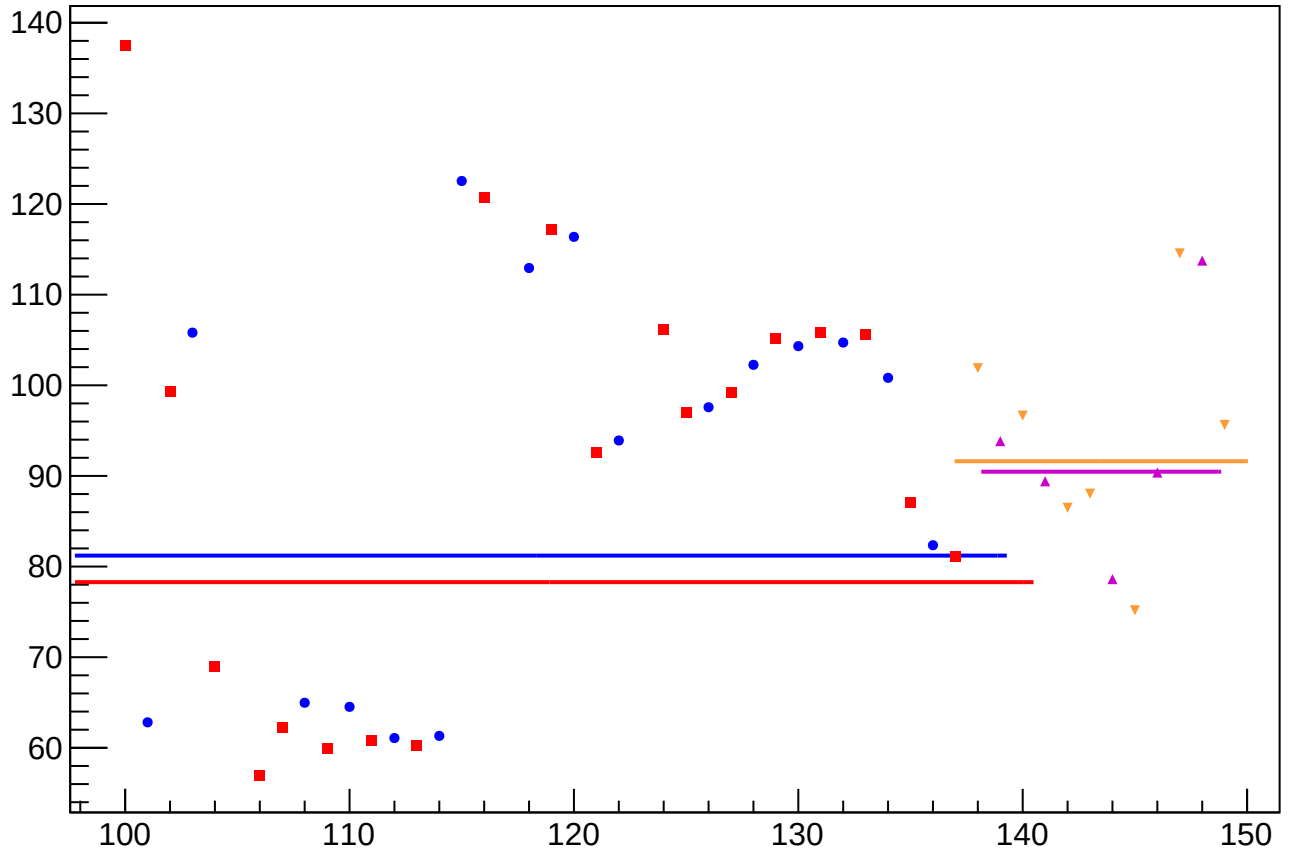
Left: 26.692+/-29.515 χ^2/NDF: 12.6/11

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -15.053+/-25.411 χ^2/NDF:18.2/20

Out: 63.149+/-23.970 χ^2/NDF:27.5/25

All: 26.330+/-17.437 χ^2/NDF: 50.7/46



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 91.623+/-0.028 χ^2/NDF:172378.1/6

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 90.467+/-0.031 χ^2/NDF:113061.6/4

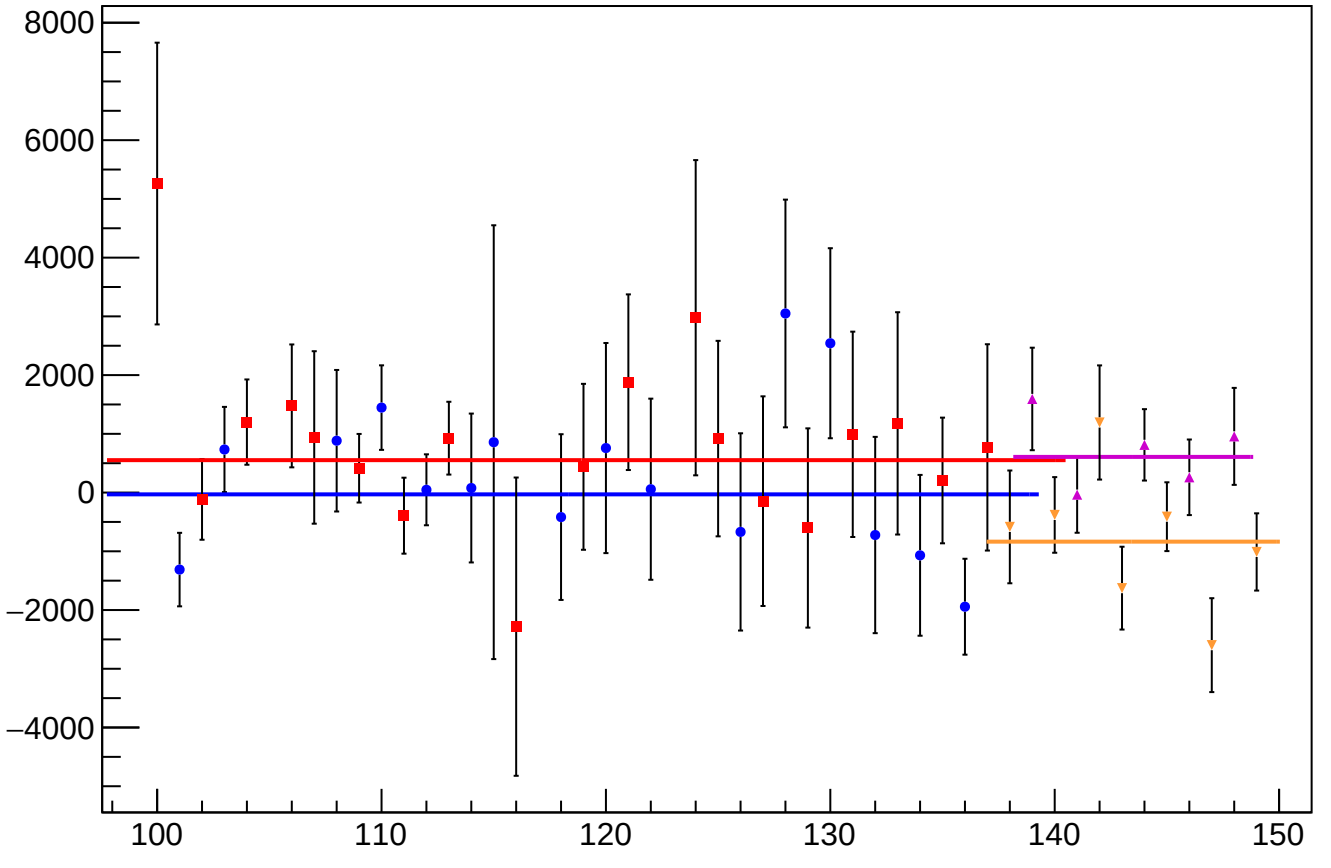
Left: 91.096+/-0.021 χ^2/NDF: 286200.2/11

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 84.338+/-0.018 χ^2/NDF:960124.4/20

Out: 83.068+/-0.017 χ^2/NDF:1251796.2/25

All: 83.666+/-0.012 χ^2/NDF: 2214561.6/46



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -835.608+/-273.593 χ^2/NDF:11.6/6

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: -208.312+/-205.695 χ^2/NDF: 26.6/11

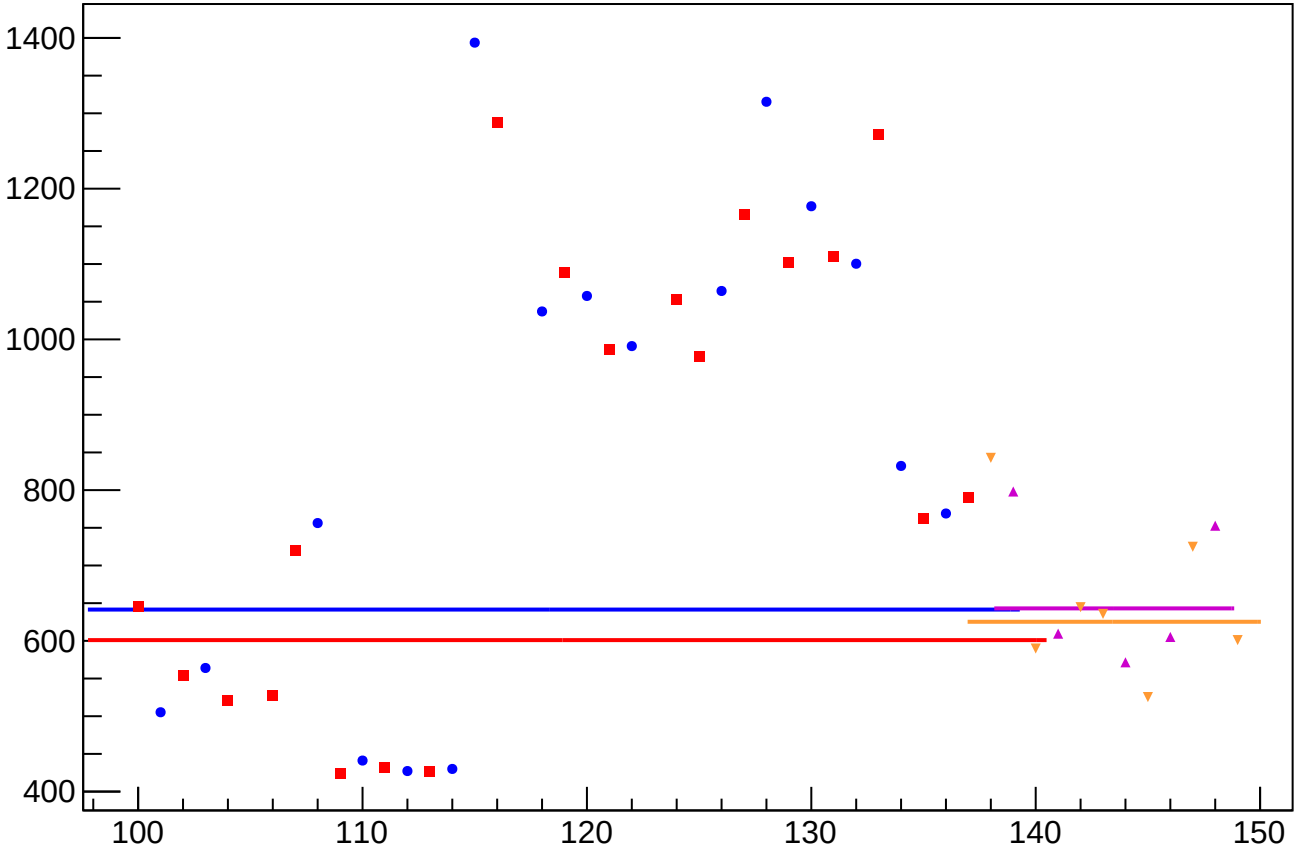
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 227.386+/-198.359 χ^2/NDF:27.2/20

Out: -47.586+/-179.840 χ^2/NDF:39.1/25

All: 76.468+/-133.233 χ^2/NDF: 67.3/46

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: 625.317+/-0.193 χ^2/NDF:201901.4/6

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

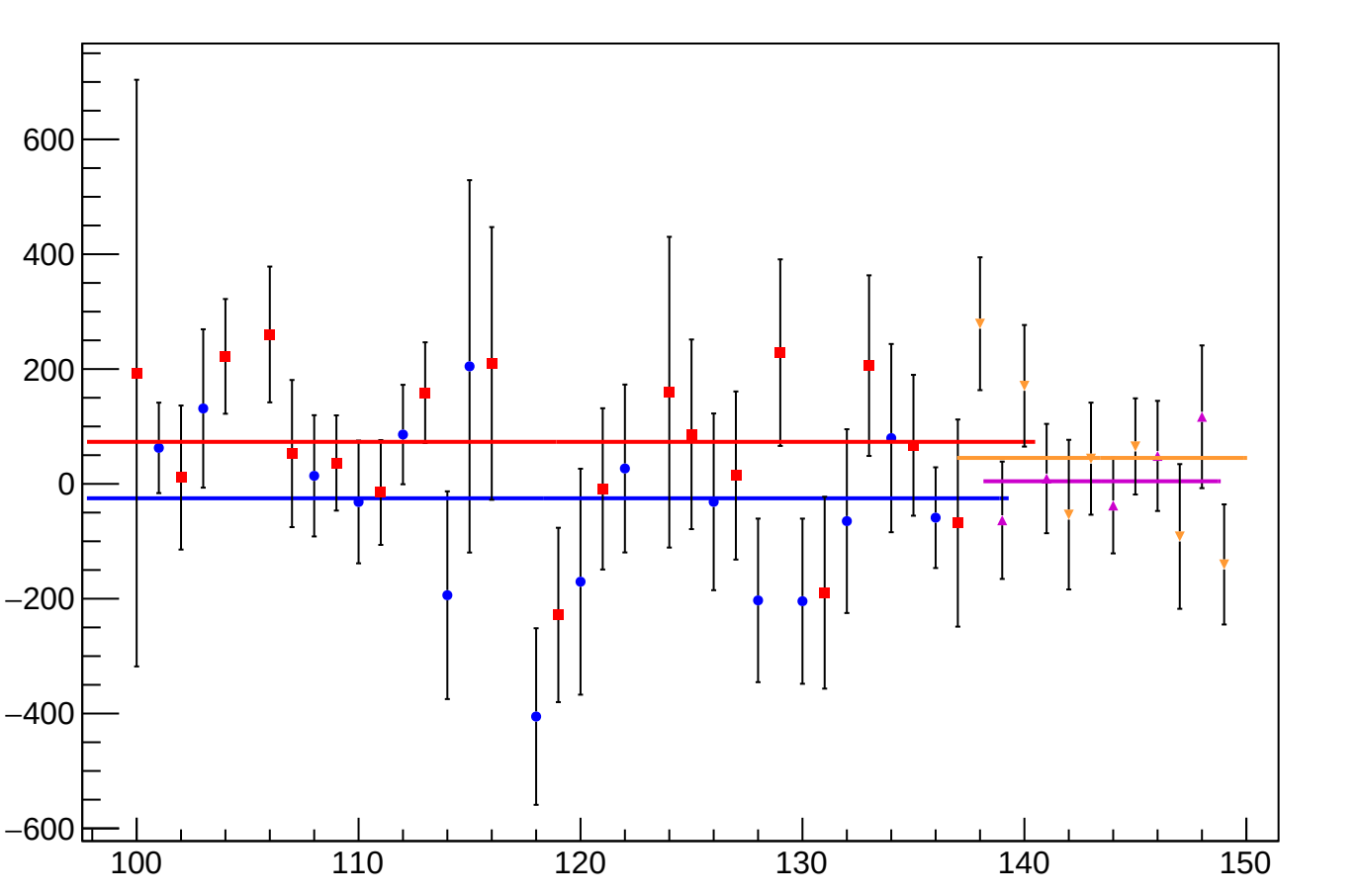
Left: 633.033+/-0.145 χ^2/NDF: 344032.5/11

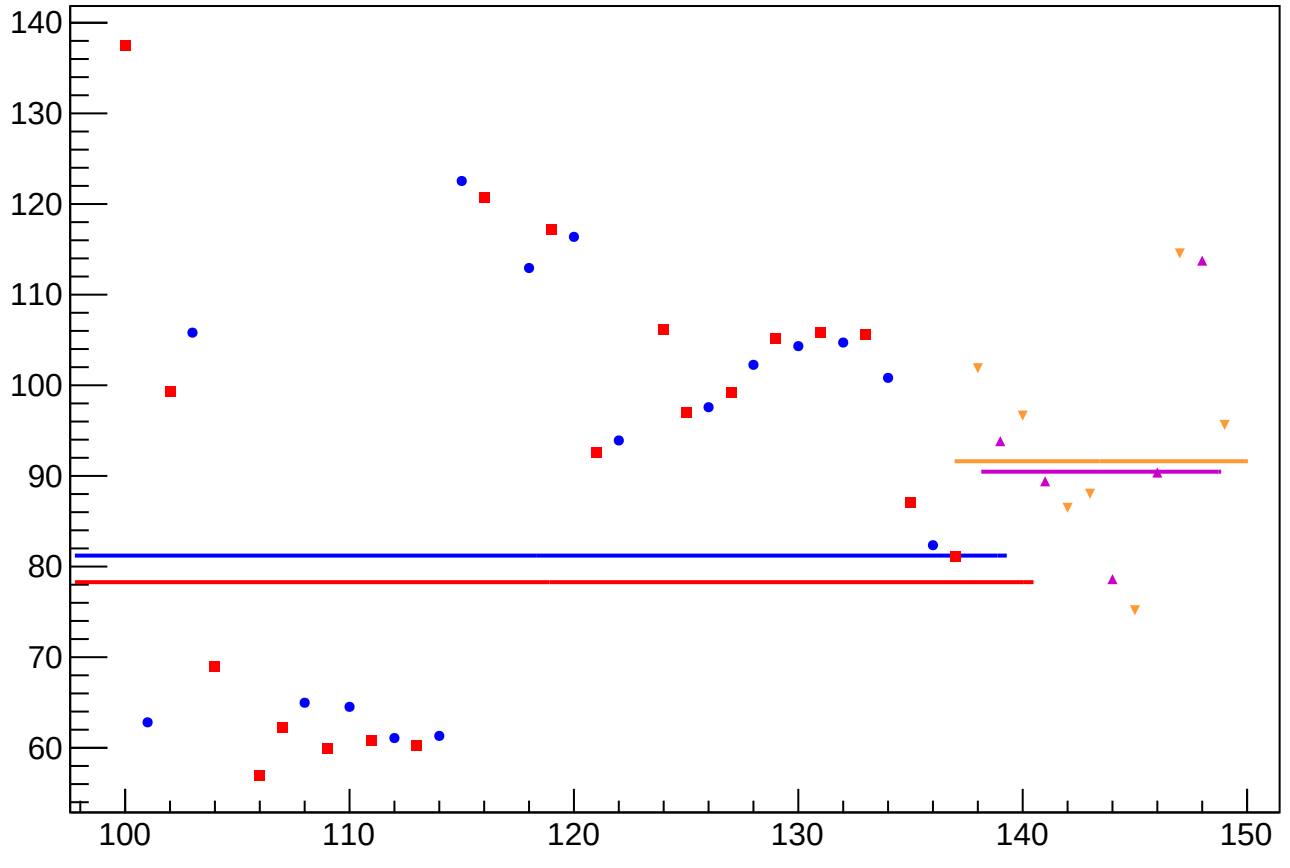
Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 642.137+/-0.140 χ^2/NDF:2013451.8/20

Out: 611.493+/-0.127 χ^2/NDF:2288125.0/25

All: 625.318+/-0.094 χ^2/NDF: 4327775.5/46


eigen_cor_asym_sam_1548_avg_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
Right In: -25.075+/-31.230 χ²/NDF: 16.2/15
Left Out: 45.210+/-40.010 χ²/NDF:10.4/6
Right Out: 73.193+/-29.937 χ²/NDF: 16.7/18
Left In: 4.586+/-43.715 χ²/NDF:1.7/4
Left: 26.692+/-29.515 χ²/NDF: 12.6/11
Right: 26.135+/-21.611 χ²/NDF: 38.1/34
In: -15.053+/-25.411 χ²/NDF:18.2/20
Out: 63.149+/-23.970 χ²/NDF:27.5/25
All: 26.330+/-17.437 χ²/NDF: 50.7/46



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 91.623+/-0.028 χ^2/NDF:172378.1/6

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: 91.096+/-0.021 χ^2/NDF: 286200.2/11

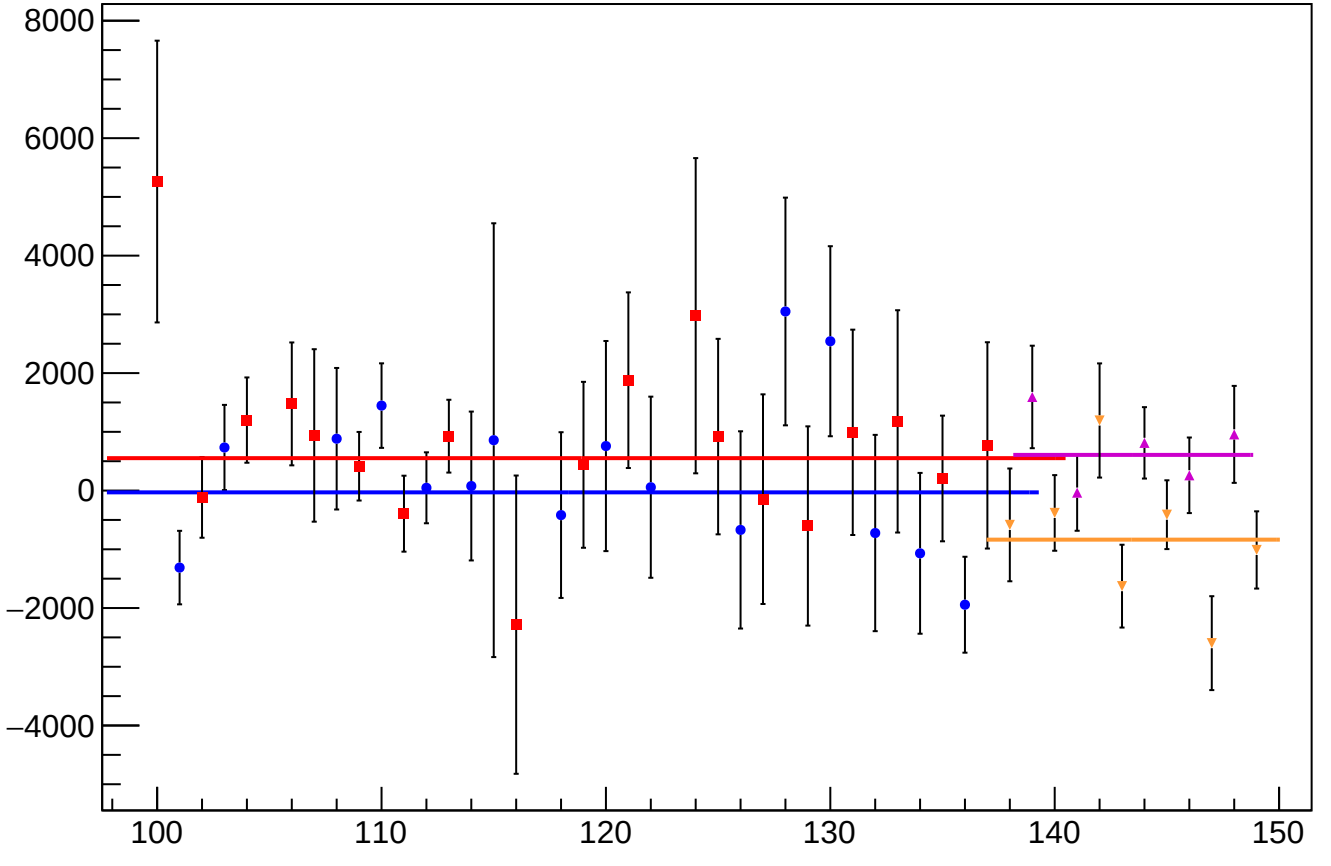
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 84.338+/-0.018 χ^2/NDF:960124.4/20

Out: 83.068+/-0.017 χ^2/NDF:1251796.2/25

All: 83.666+/-0.012 χ^2/NDF: 2214561.6/46

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: -835.608+/-273.593 χ^2/NDF:11.6/6

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: -208.312+/-205.695 χ^2/NDF: 26.6/11

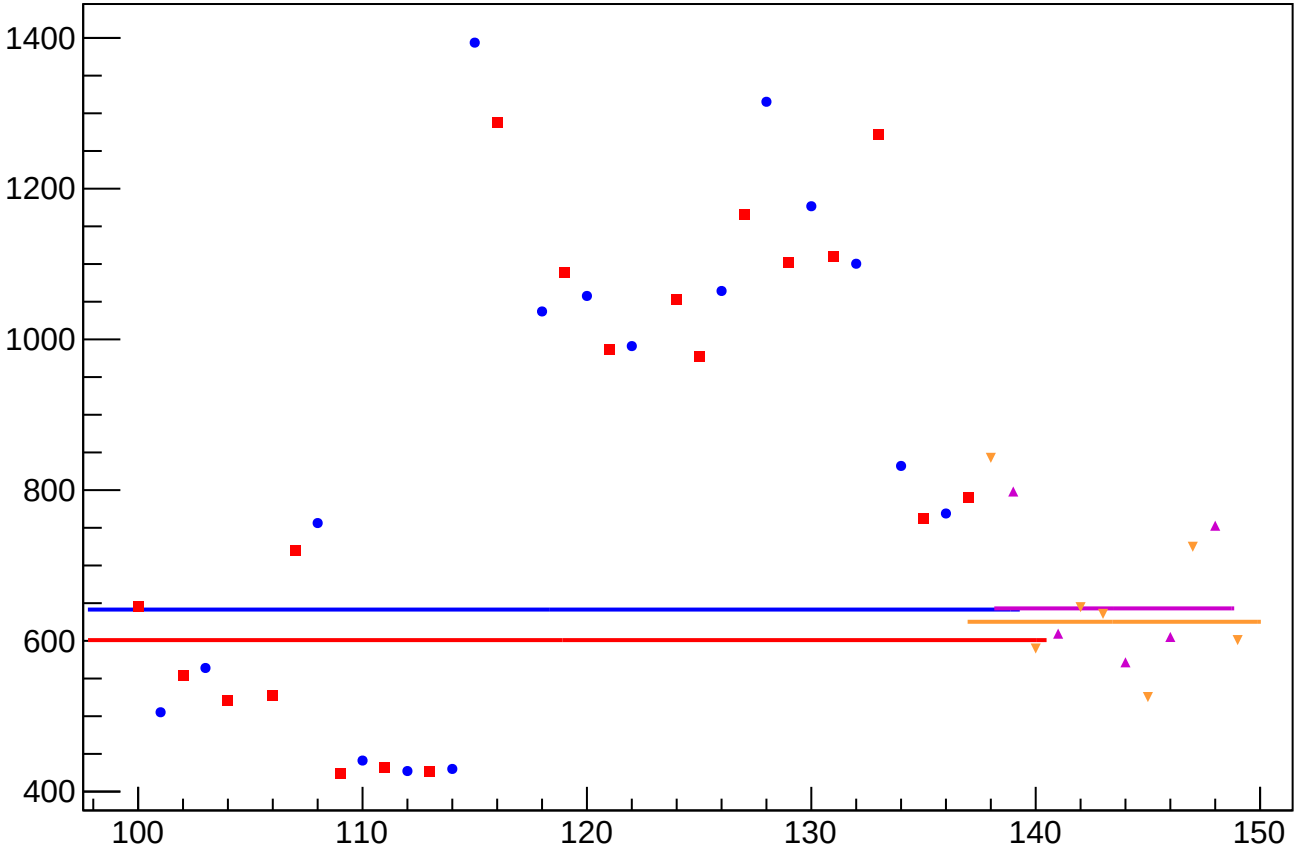
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 227.386+/-198.359 χ^2/NDF:27.2/20

Out: -47.586+/-179.840 χ^2/NDF:39.1/25

All: 76.468+/-133.233 χ^2/NDF: 67.3/46

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: 625.317+/-0.193 χ^2/NDF:201901.4/6

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 643.065+/-0.221 χ^2/NDF:138472.0/4

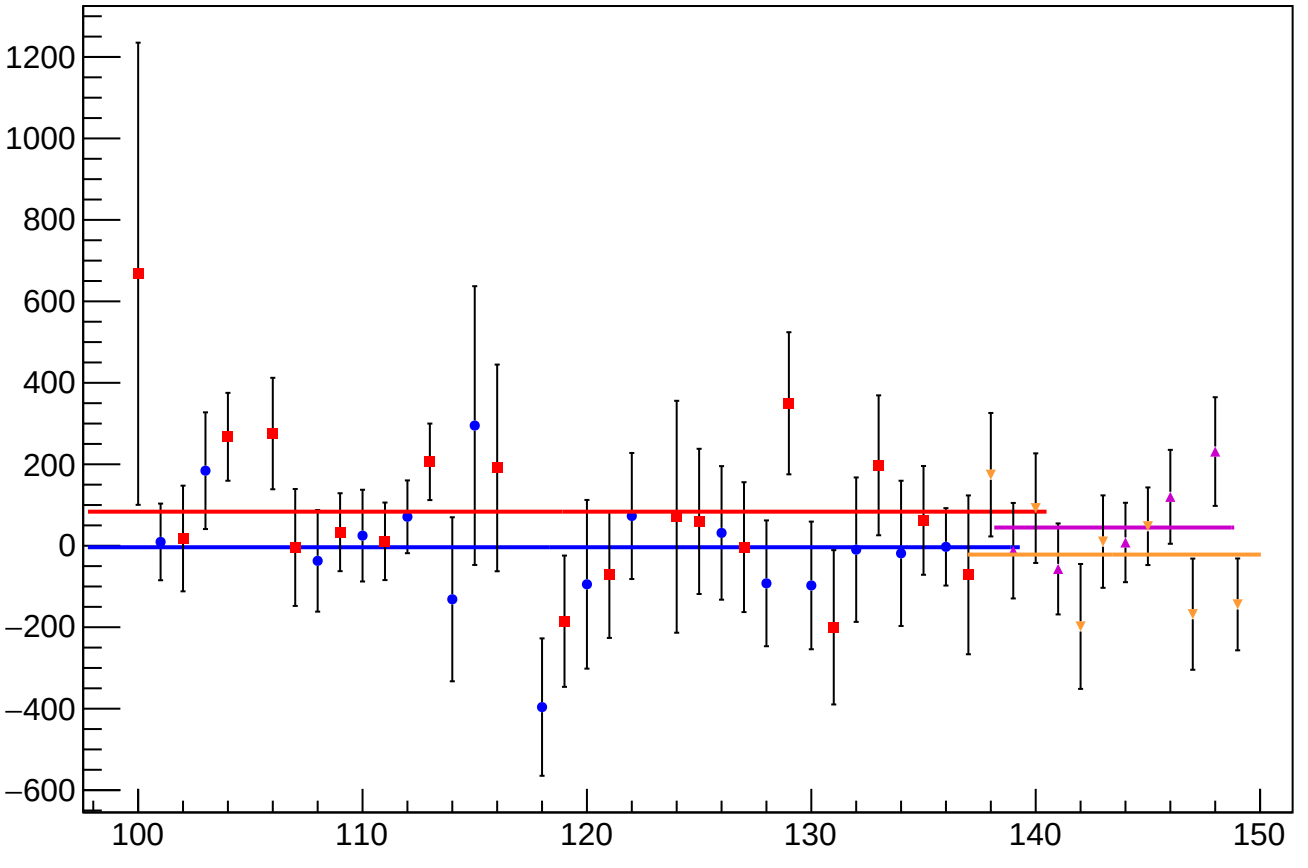
Left: 633.033+/-0.145 χ^2/NDF: 344032.5/11

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 642.137+/-0.140 χ^2/NDF:2013451.8/20

Out: 611.493+/-0.127 χ^2/NDF:2288125.0/25

All: 625.318+/-0.094 χ^2/NDF: 4327775.5/46



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -21.655+/-46.554 χ^2/NDF:6.7/6

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 44.763+/-50.665 χ^2/NDF:3.6/4

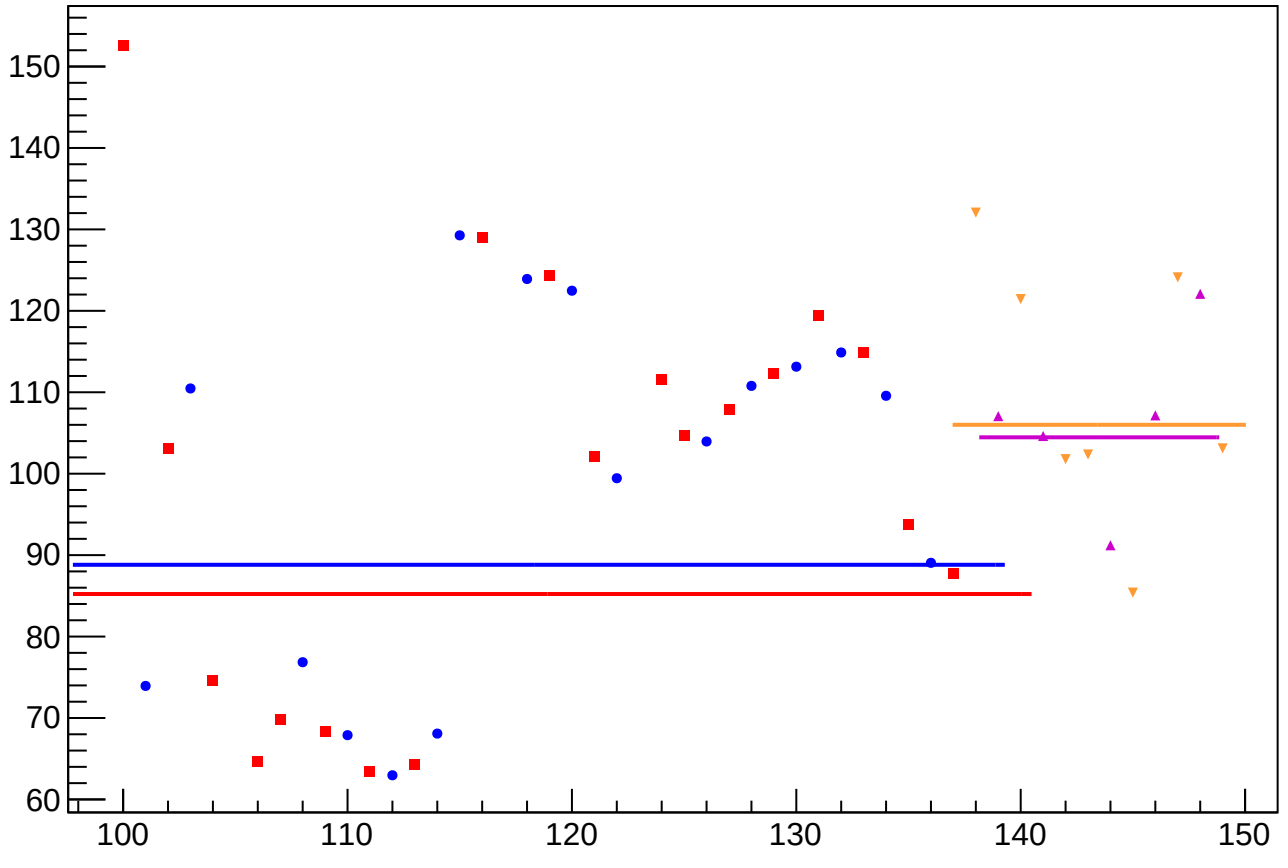
Left: 8.751+/-34.280 χ^2/NDF: 11.2/11

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 11.486+/-28.319 χ^2/NDF:14.5/20

Out: 48.973+/-26.722 χ^2/NDF:29.1/25

All: 31.317+/-19.435 χ^2/NDF: 44.6/46



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.004+/-0.033 χ^2/NDF:219087.9/6

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: 105.301+/-0.024 χ^2/NDF: 294041.5/11

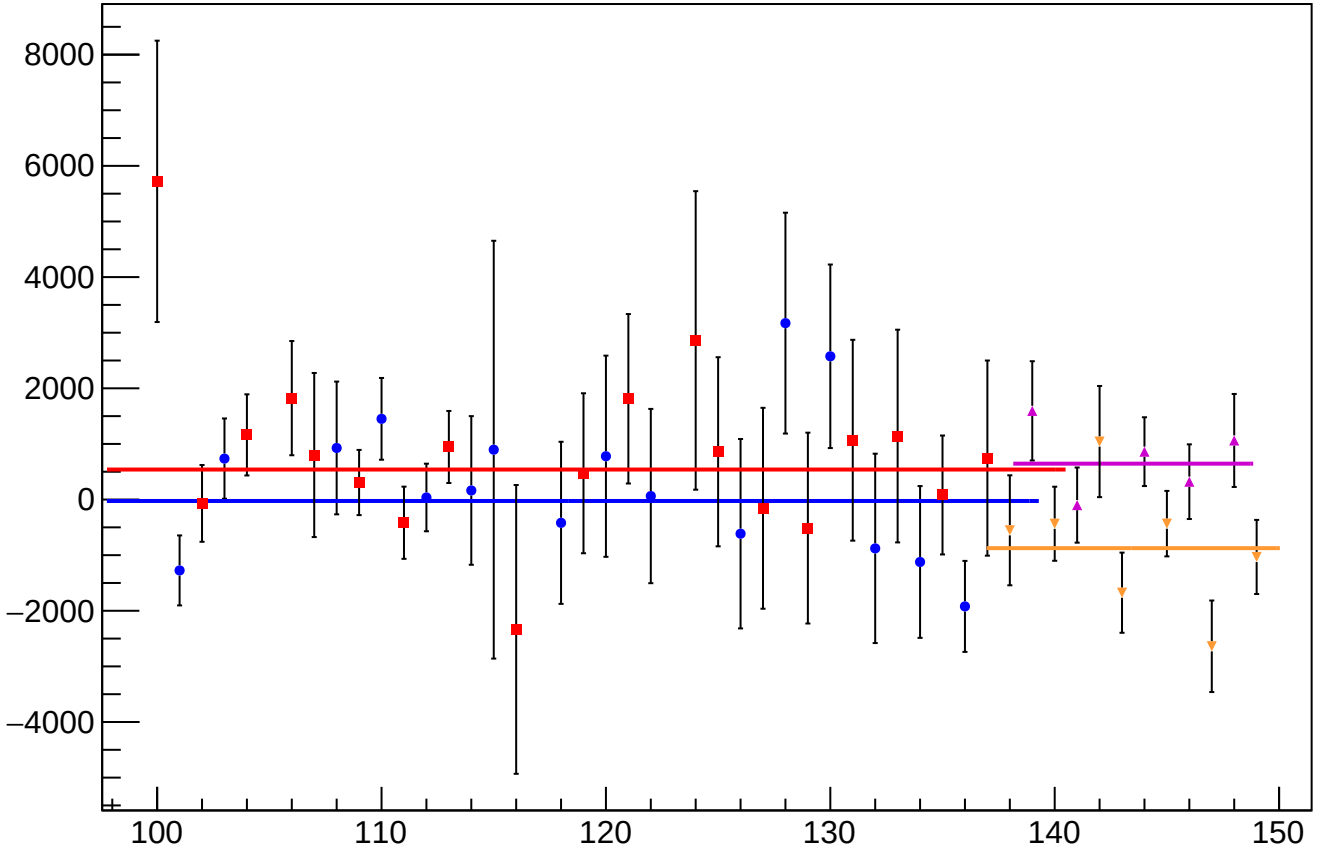
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 93.704+/-0.020 χ^2/NDF:929858.6/20

Out: 92.071+/-0.019 χ^2/NDF:1370325.7/25

All: 92.840+/-0.014 χ^2/NDF: 2303705.5/46

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -873.735+/-279.315 χ^2/NDF:10.7/6

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 645.373+/-320.909 χ^2/NDF:3.0/4

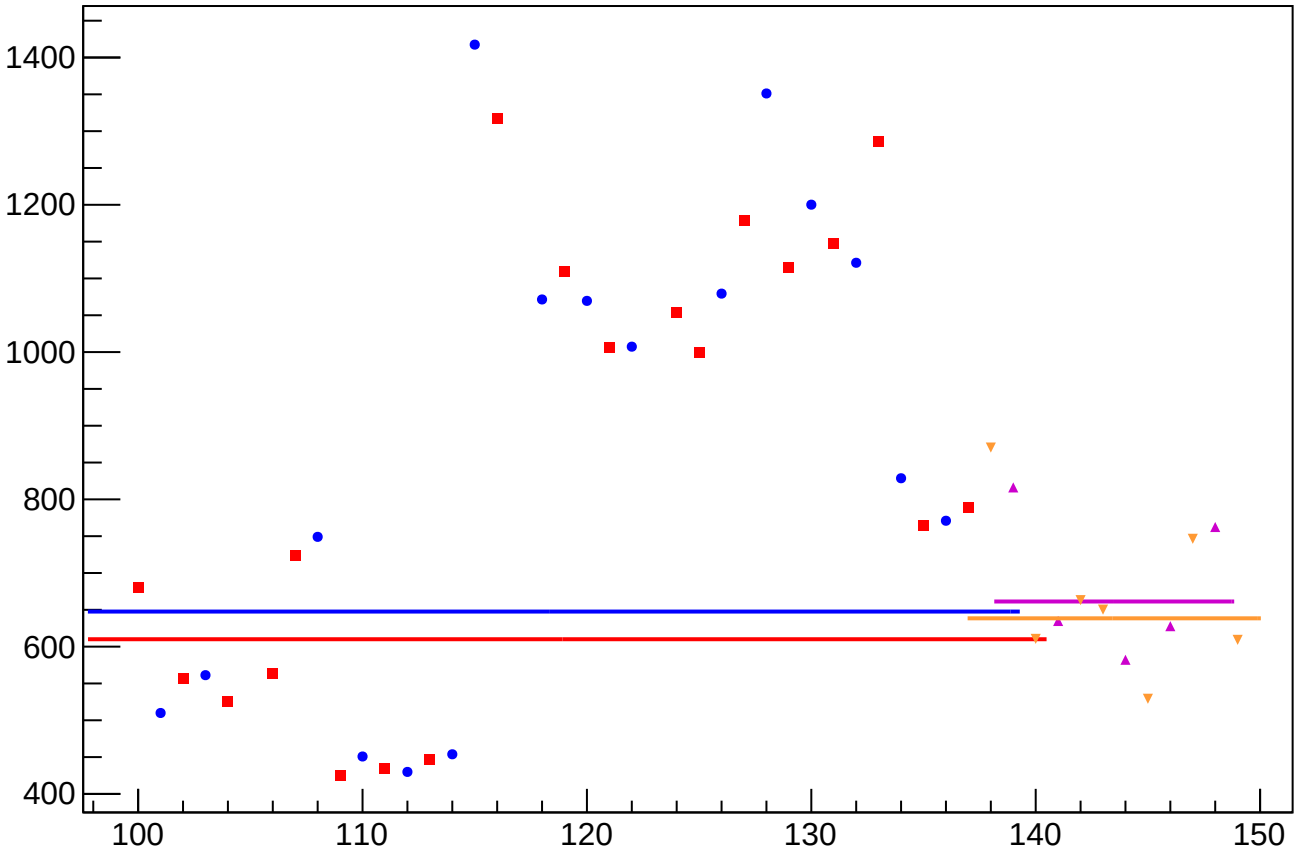
Left: -218.947+/-210.687 χ^2/NDF: 26.4/11

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 239.457+/-201.736 χ^2/NDF:27.2/20

Out: -64.216+/-182.571 χ^2/NDF:39.0/25

All: 72.514+/-135.367 χ^2/NDF: 67.4/46



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 638.455+/-0.198 χ^2/NDF:222395.5/6

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 661.300+/-0.227 χ^2/NDF:130307.7/4

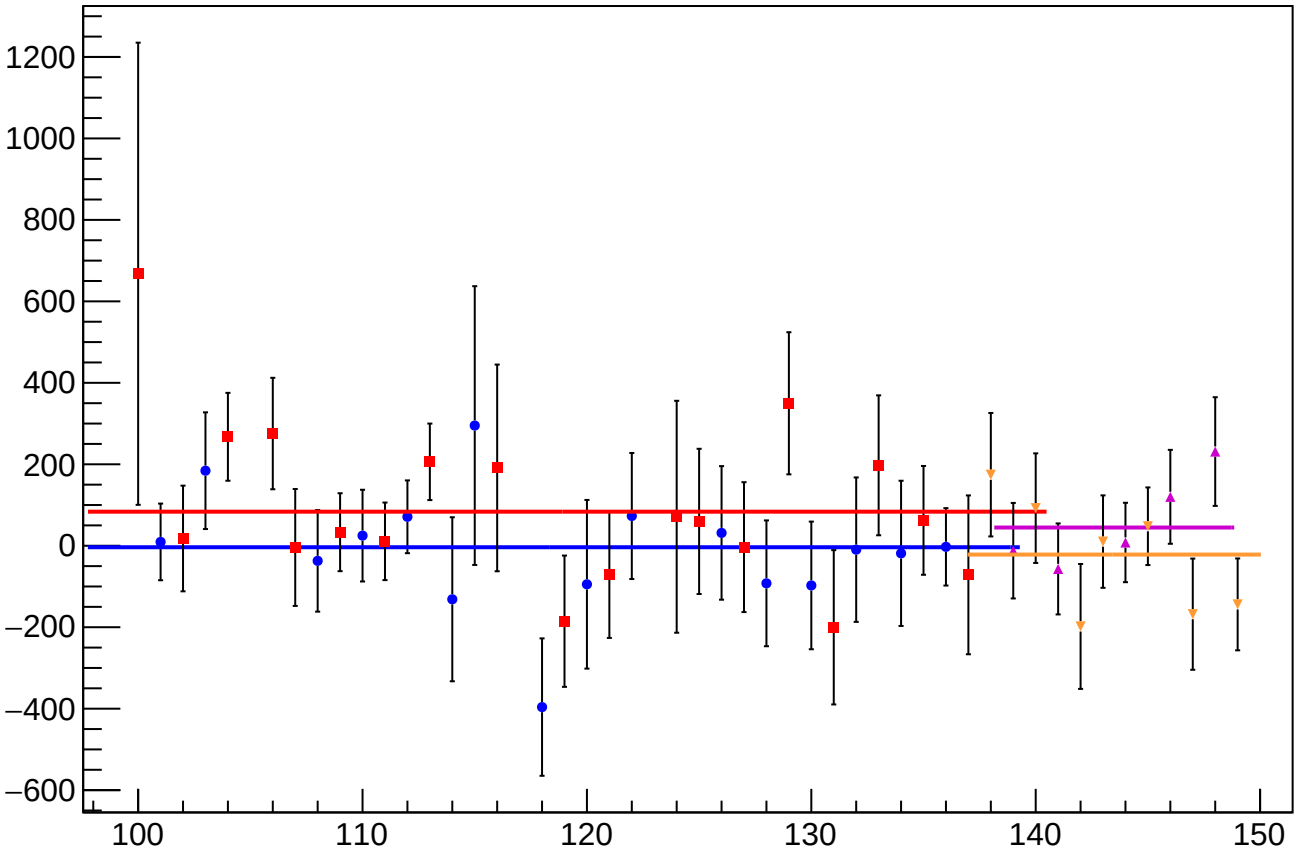
Left: 648.301+/-0.149 χ^2/NDF: 358470.1/11

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 653.038+/-0.143 χ^2/NDF:2020315.0/20

Out: 622.192+/-0.129 χ^2/NDF:2308481.3/25

All: 636.081+/-0.096 χ^2/NDF: 4354502.9/46



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -21.655+/-46.554 χ^2/NDF:6.7/6

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 44.764+/-50.665 χ^2/NDF:3.6/4

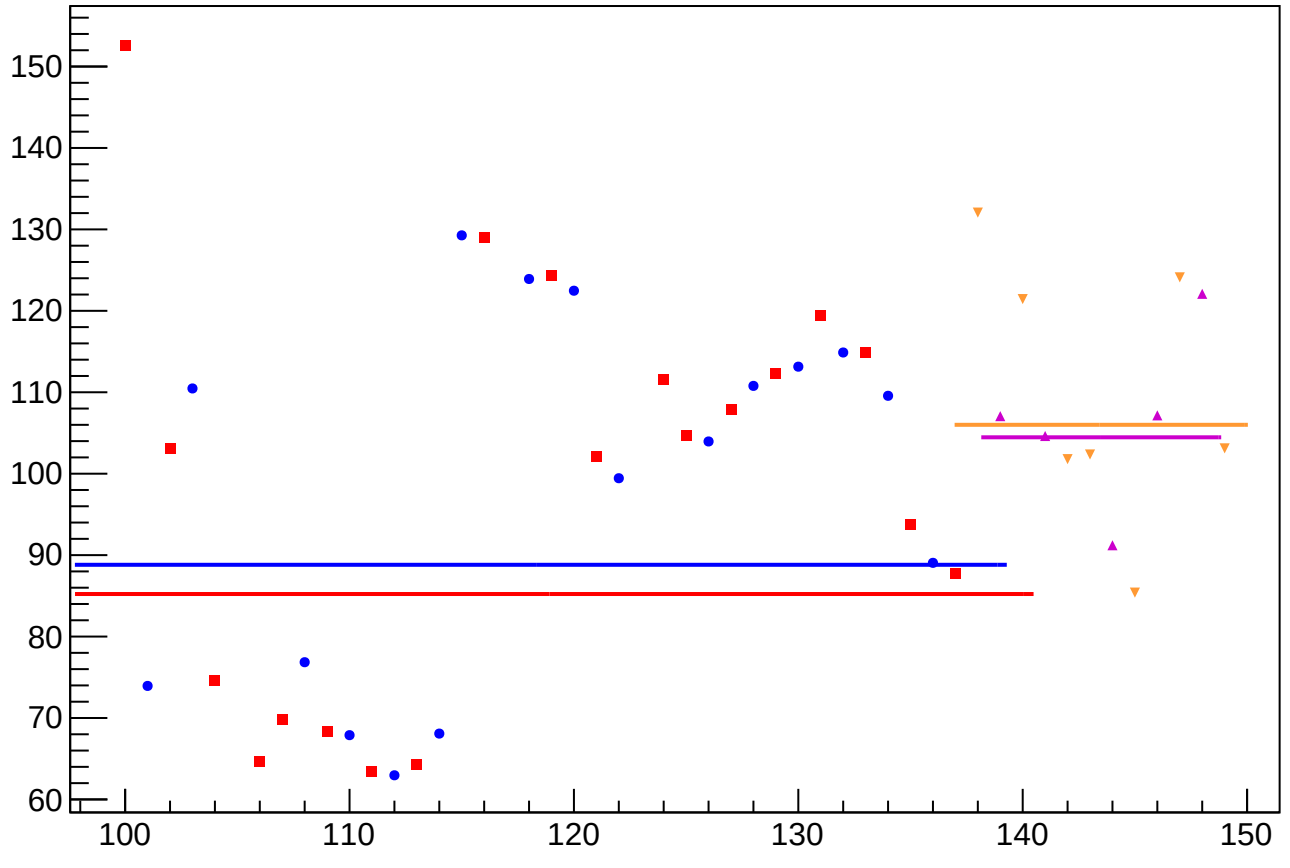
Left: 8.751+/-34.280 χ^2/NDF: 11.2/11

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 11.487+/-28.319 χ^2/NDF:14.5/20

Out: 48.973+/-26.722 χ^2/NDF:29.1/25

All: 31.317+/-19.435 χ^2/NDF: 44.6/46



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.004+/-0.033 χ^2/NDF:219086.4/6

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: 105.301+/-0.024 χ^2/NDF: 294039.8/11

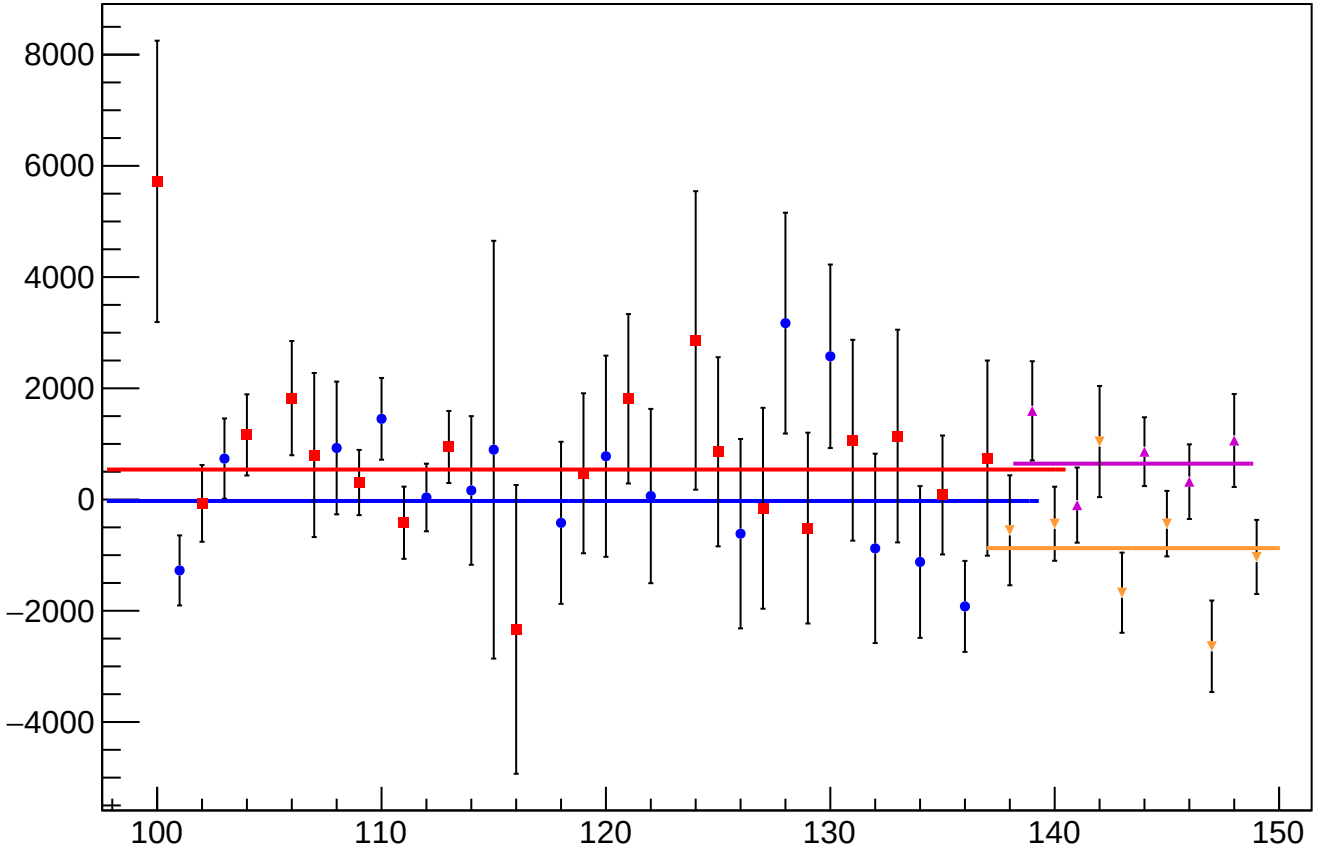
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 93.704+/-0.020 χ^2/NDF:929863.2/20

Out: 92.071+/-0.019 χ^2/NDF:1370333.0/25

All: 92.840+/-0.014 χ^2/NDF: 2303717.6/46

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: -873.735+/-279.315 χ^2/NDF:10.7/6

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 645.374+/-320.909 χ^2/NDF:3.0/4

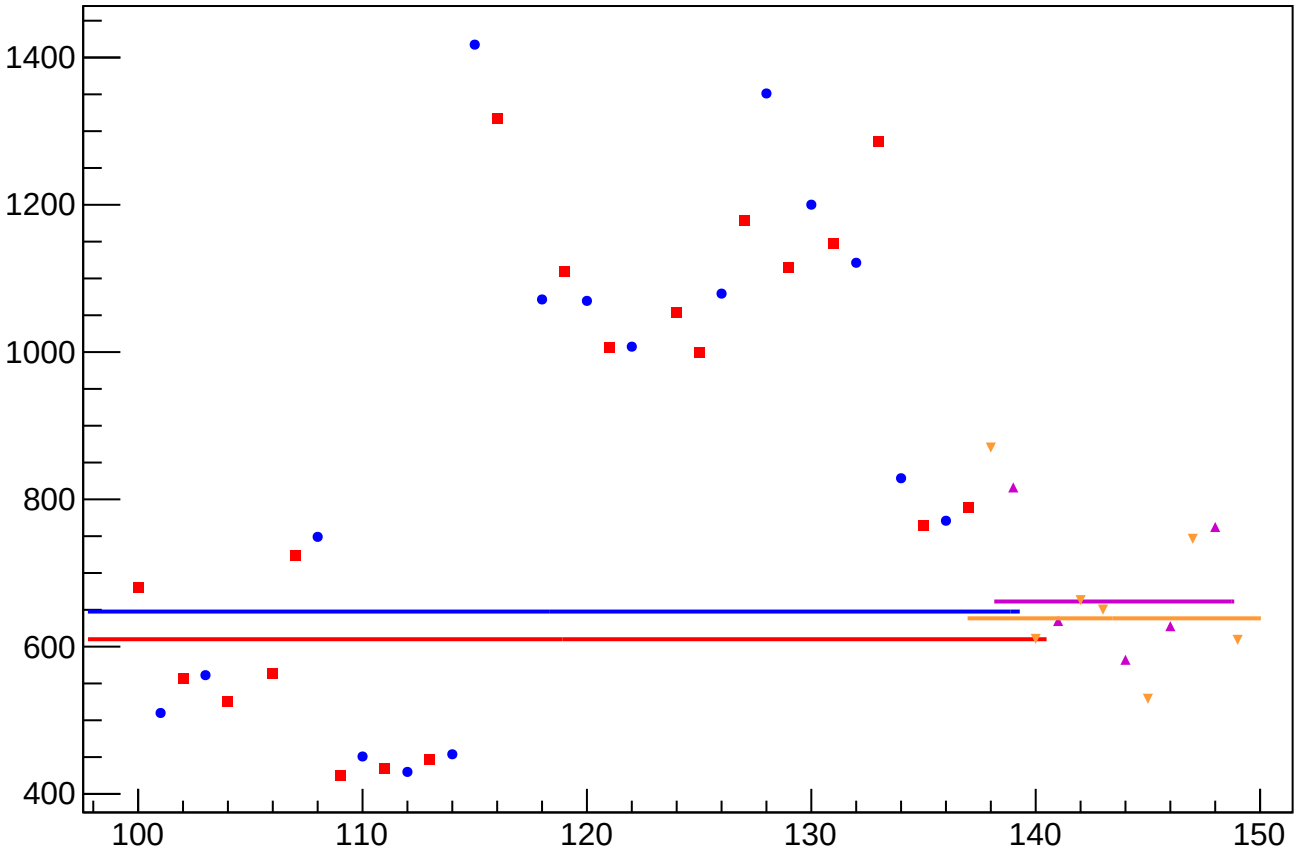
Left: -218.947+/-210.687 χ^2/NDF: 26.4/11

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 239.457+/-201.736 χ^2/NDF:27.2/20

Out: -64.216+/-182.571 χ^2/NDF:39.0/25

All: 72.514+/-135.367 χ^2/NDF: 67.4/46



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 638.454+/-0.198 χ^2/NDF:222397.2/6

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: 648.301+/-0.149 χ^2/NDF: 358472.4/11

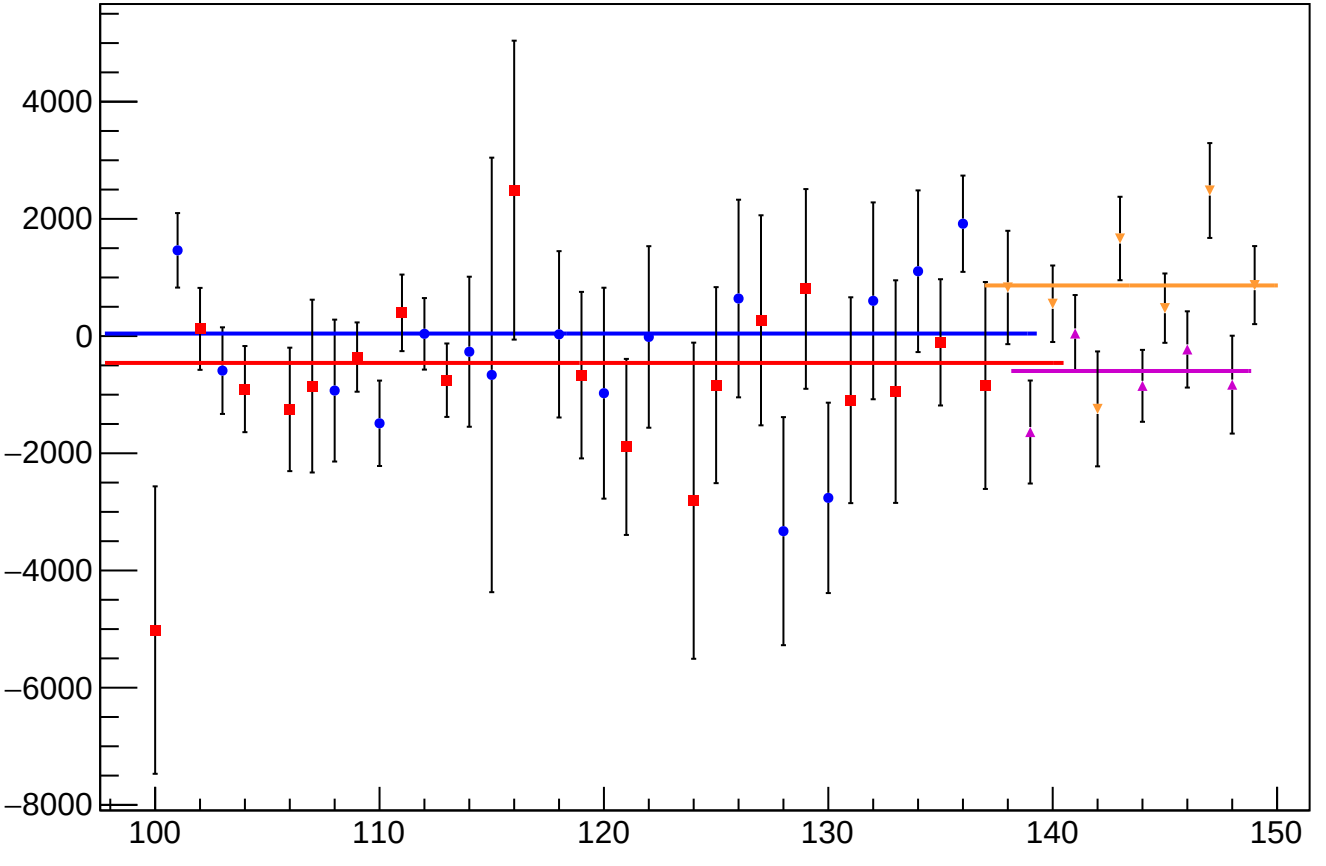
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 653.038+/-0.143 χ^2/NDF:2020320.5/20

Out: 622.191+/-0.129 χ^2/NDF:2308486.2/25

All: 636.080+/-0.096 χ^2/NDF: 4354513.5/46

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 864.124+/-276.644 χ^2/NDF:10.5/6

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: 228.811+/-207.909 χ^2/NDF: 25.6/11

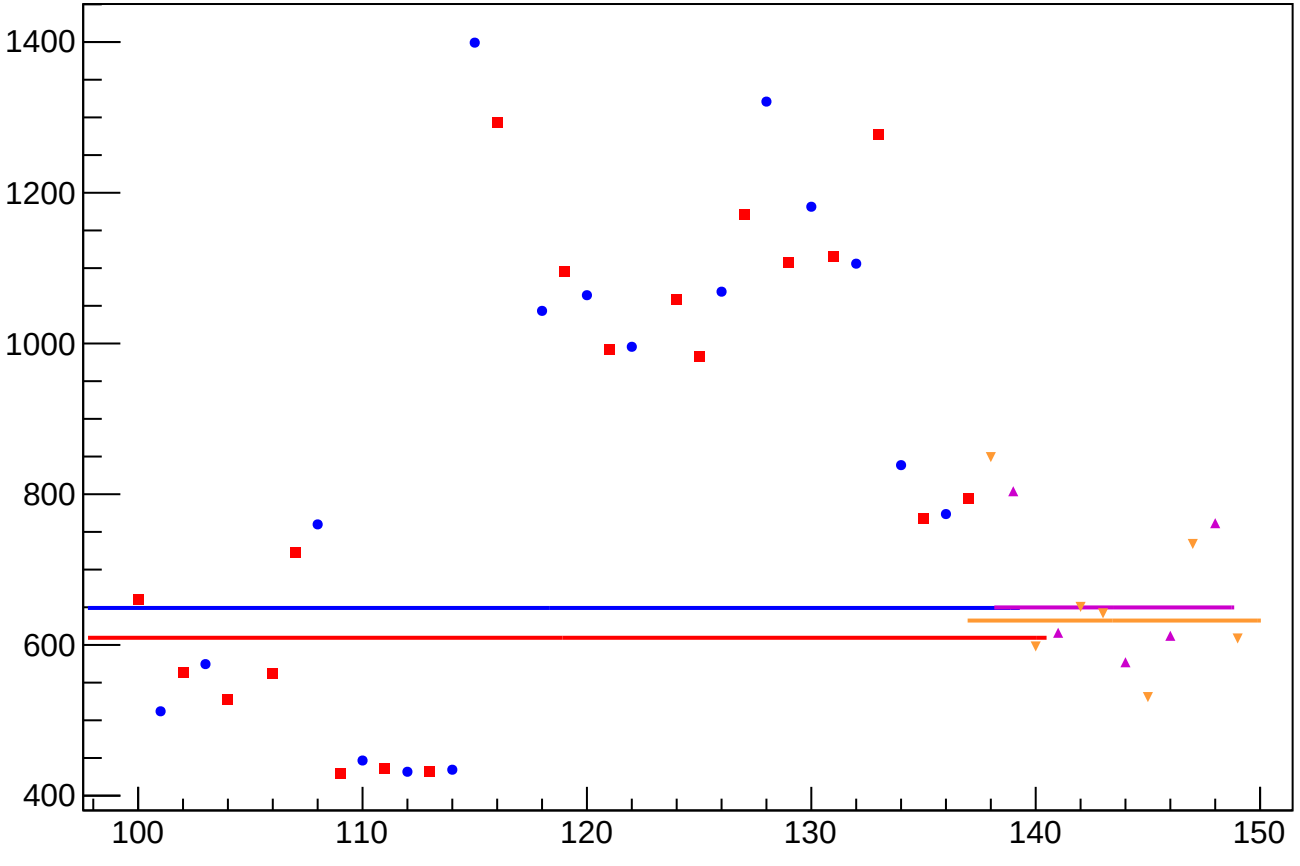
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -215.336+/-200.467 χ^2/NDF:28.6/20

Out: 112.707+/-181.767 χ^2/NDF:34.8/25

All: -35.304+/-134.655 χ^2/NDF: 64.8/46

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 632.369+/-0.196 χ^2/NDF:200117.4/6

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 649.772+/-0.223 χ^2/NDF:137423.7/4

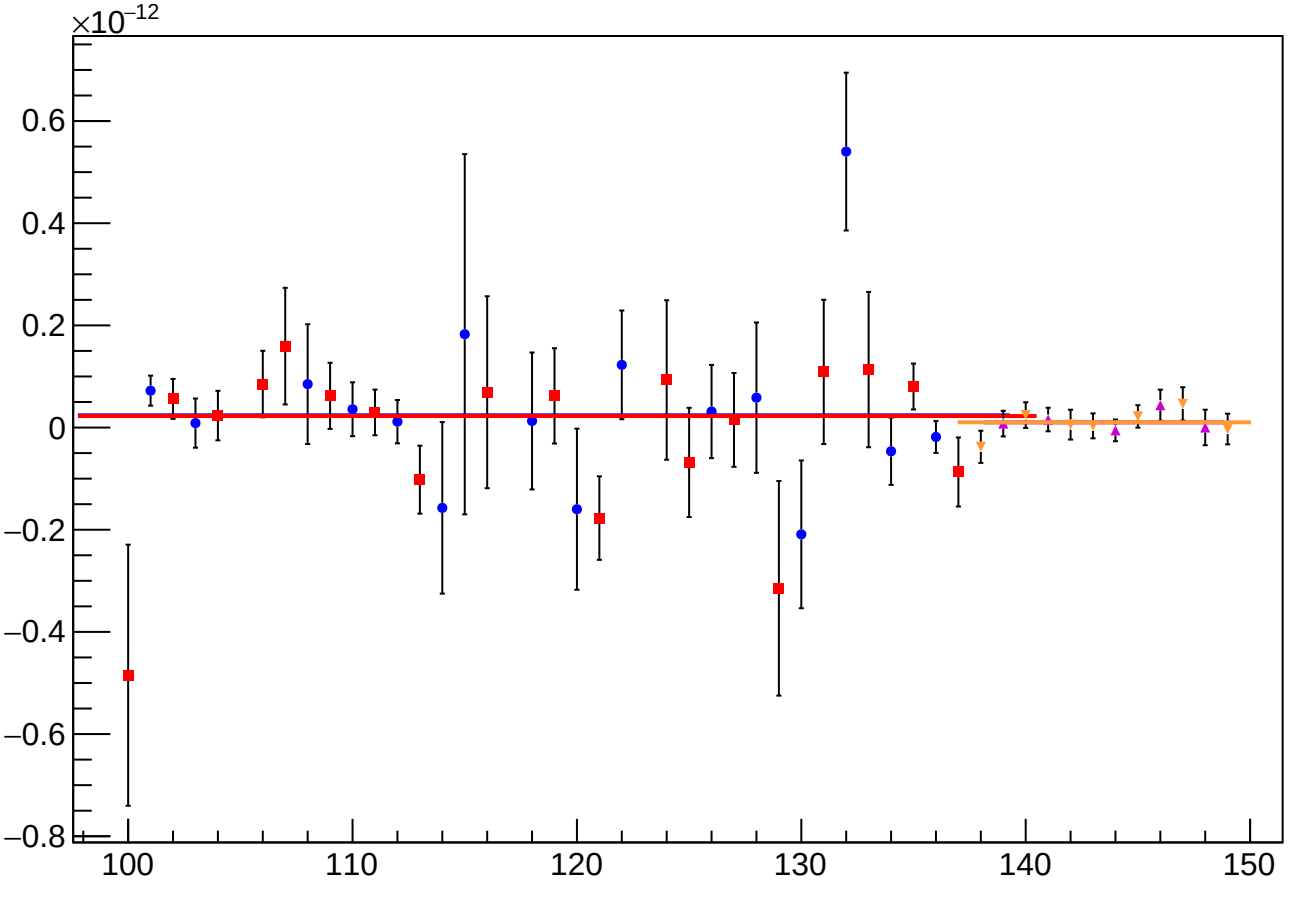
Left: 639.943+/-0.147 χ^2/NDF: 340985.1/11

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 649.366+/-0.142 χ^2/NDF:1983244.8/20

Out: 619.382+/-0.129 χ^2/NDF:2251464.8/25

All: 632.911+/-0.095 χ^2/NDF: 4259264.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

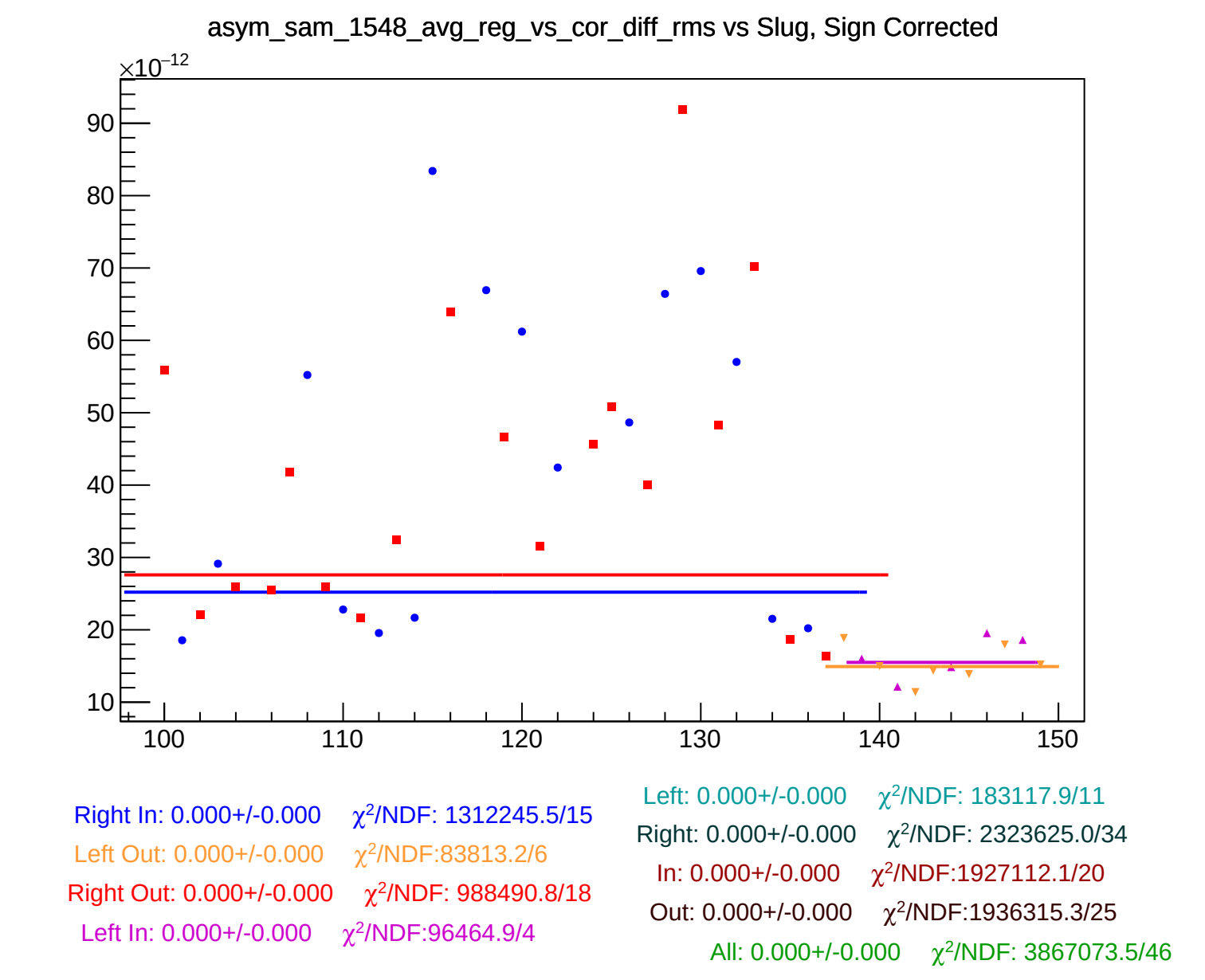
Left: 0.000+/-0.000 χ^2/NDF: 6.3/11

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

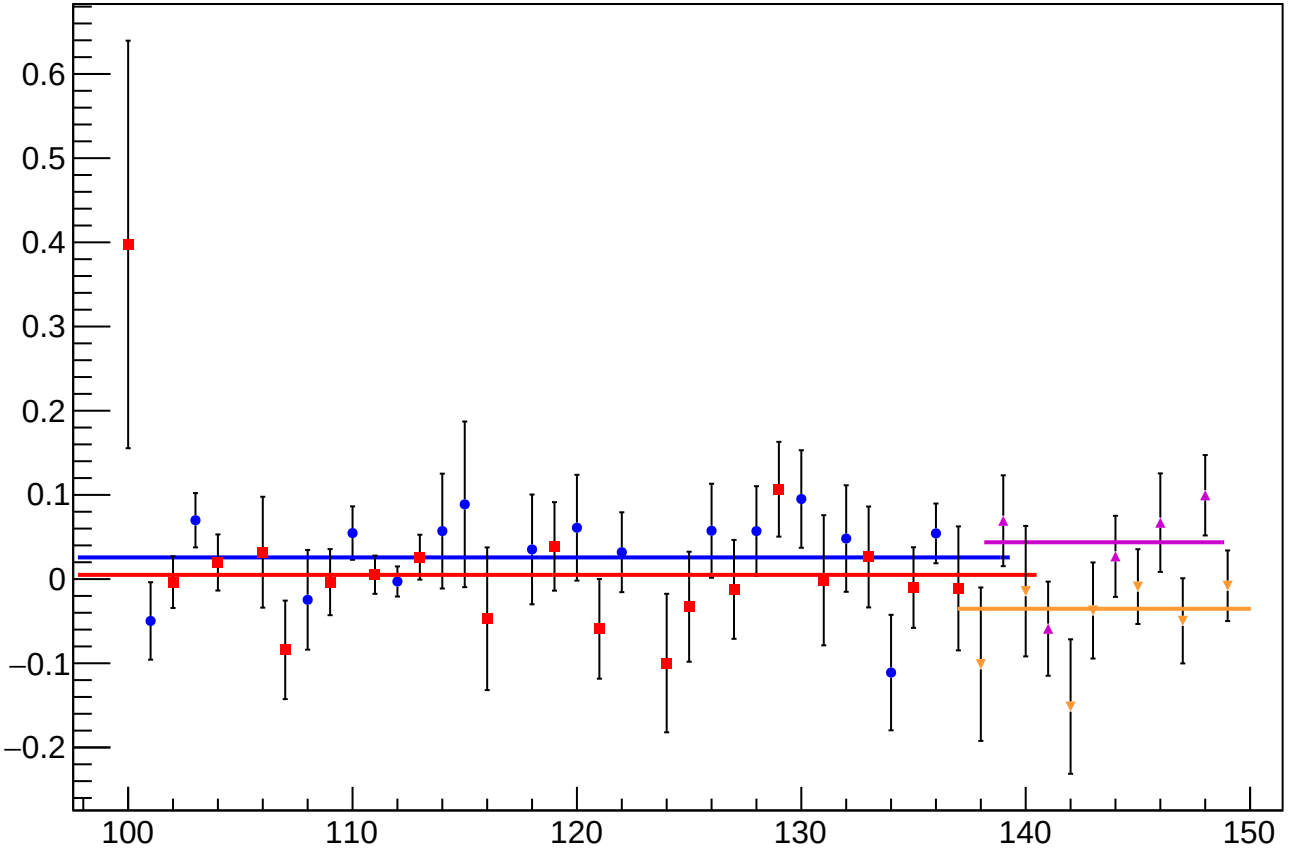
In: 0.000+/-0.000 χ^2/NDF:26.1/20

Out: 0.000+/-0.000 χ^2/NDF:30.5/25

All: 0.000+/-0.000 χ^2/NDF: 56.6/46


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:83813.2/6
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: 183117.9/11
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:1936315.3/25
All: 0.000+/-0.000 χ²/NDF: 3867073.5/46

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.035+/-0.021 χ^2/NDF:3.6/6

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

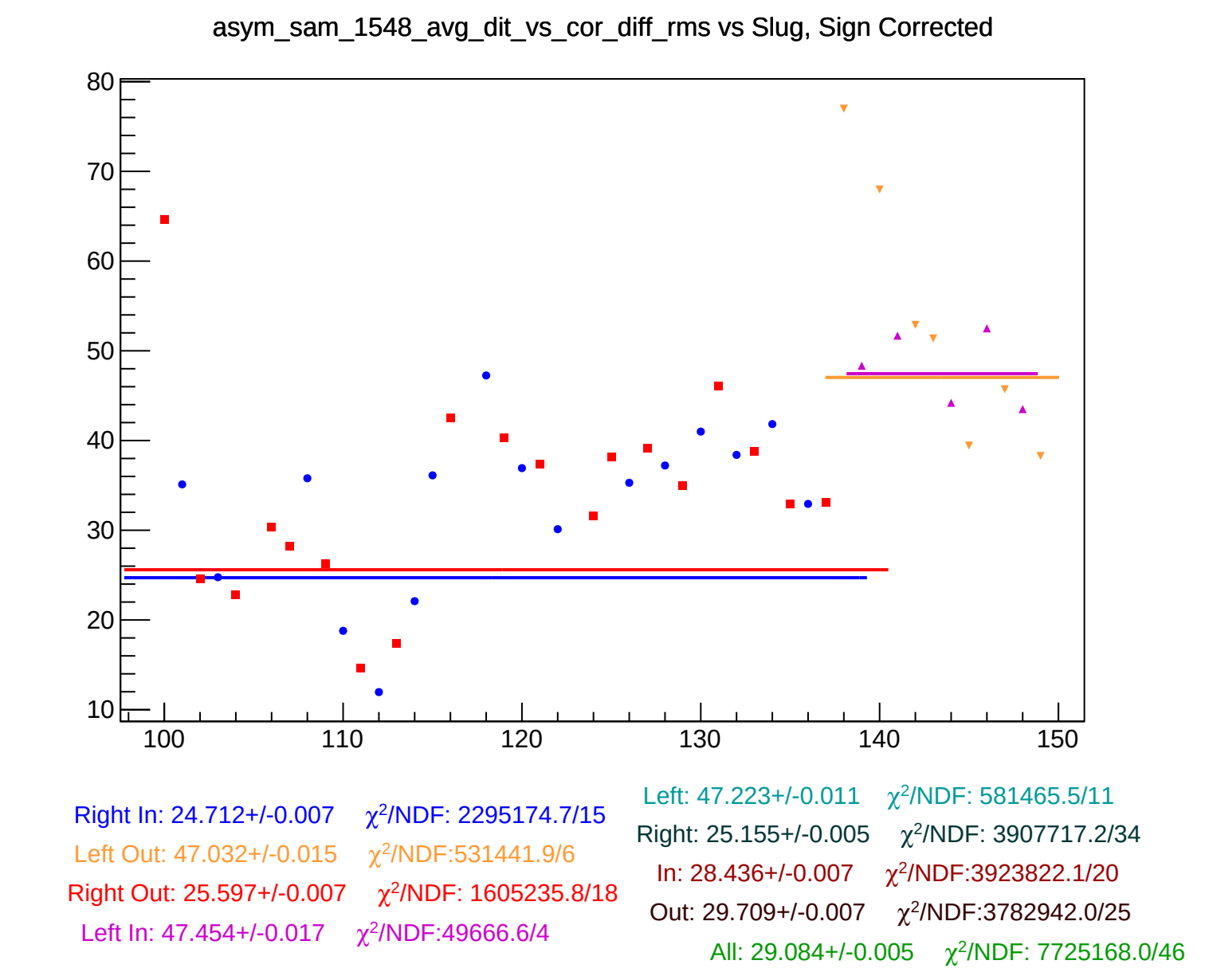
Left: 0.000+/-0.016 χ^2/NDF: 15.1/11

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

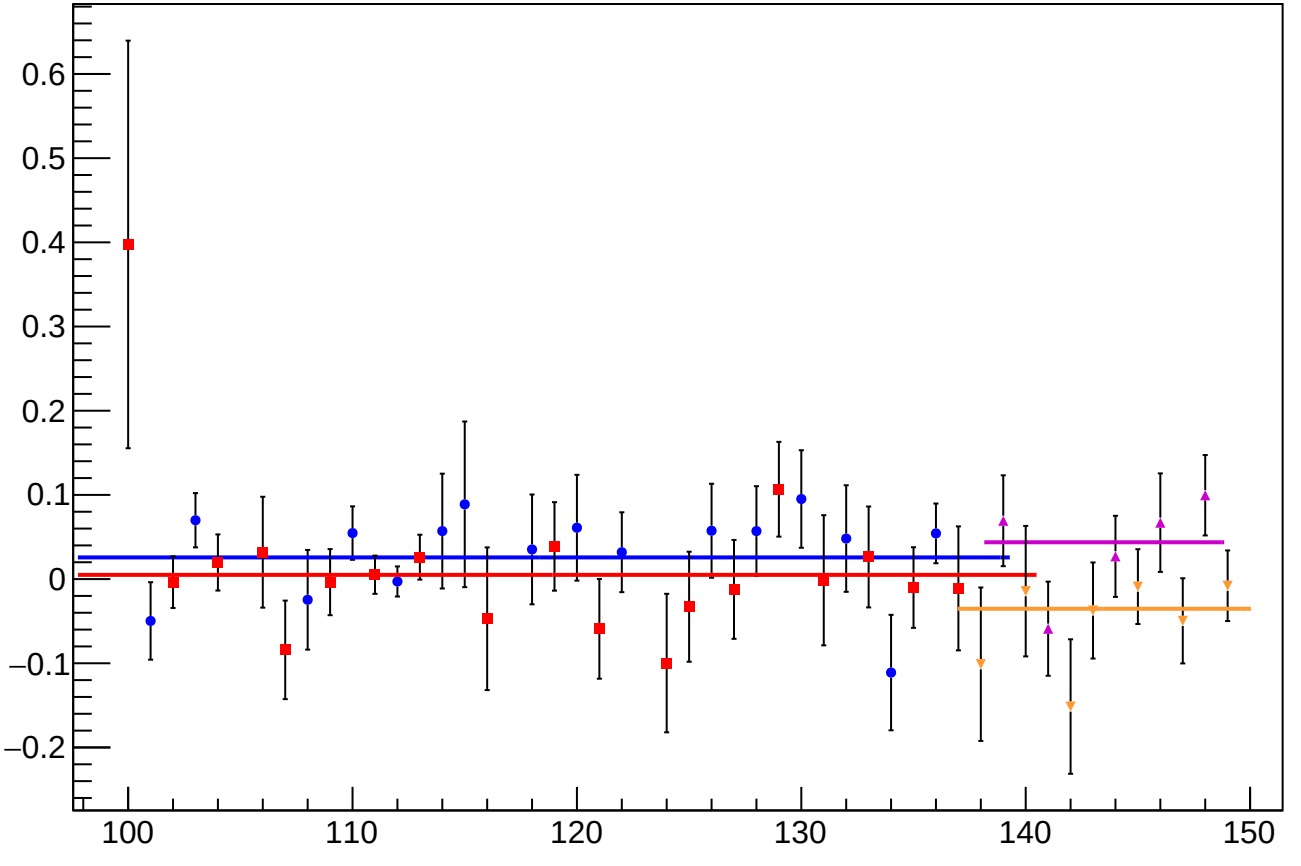
In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.003+/-0.009 χ^2/NDF:20.1/25

All: 0.013+/-0.007 χ^2/NDF: 47.9/46


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: 47.032+/-0.015 χ²/NDF:531441.9/6
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 47.454+/-0.017 χ²/NDF:49666.6/4
Left: 47.223+/-0.011 χ²/NDF: 581465.5/11
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 28.436+/-0.007 χ²/NDF:3923822.1/20
Out: 29.709+/-0.007 χ²/NDF:3782942.0/25
All: 29.084+/-0.005 χ²/NDF: 7725168.0/46

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: -0.035+/-0.021 χ^2/NDF:3.6/6

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

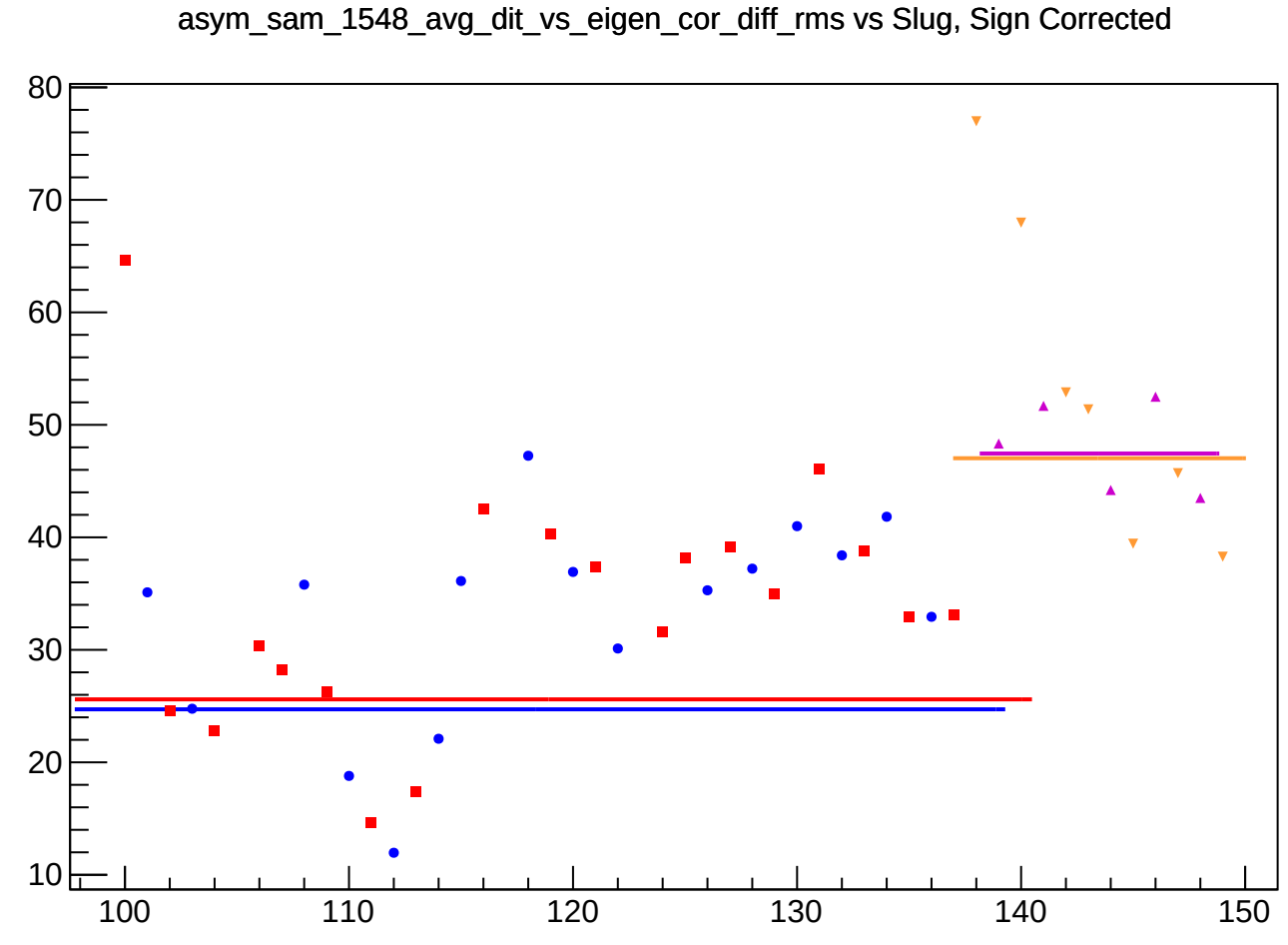
Left: 0.000+/-0.016 χ^2/NDF: 15.1/11

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.003+/-0.009 χ^2/NDF:20.1/25

All: 0.013+/-0.007 χ^2/NDF: 47.9/46



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 47.032+/-0.015 χ^2/NDF:531441.9/6

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 47.454+/-0.017 χ^2/NDF:49666.6/4

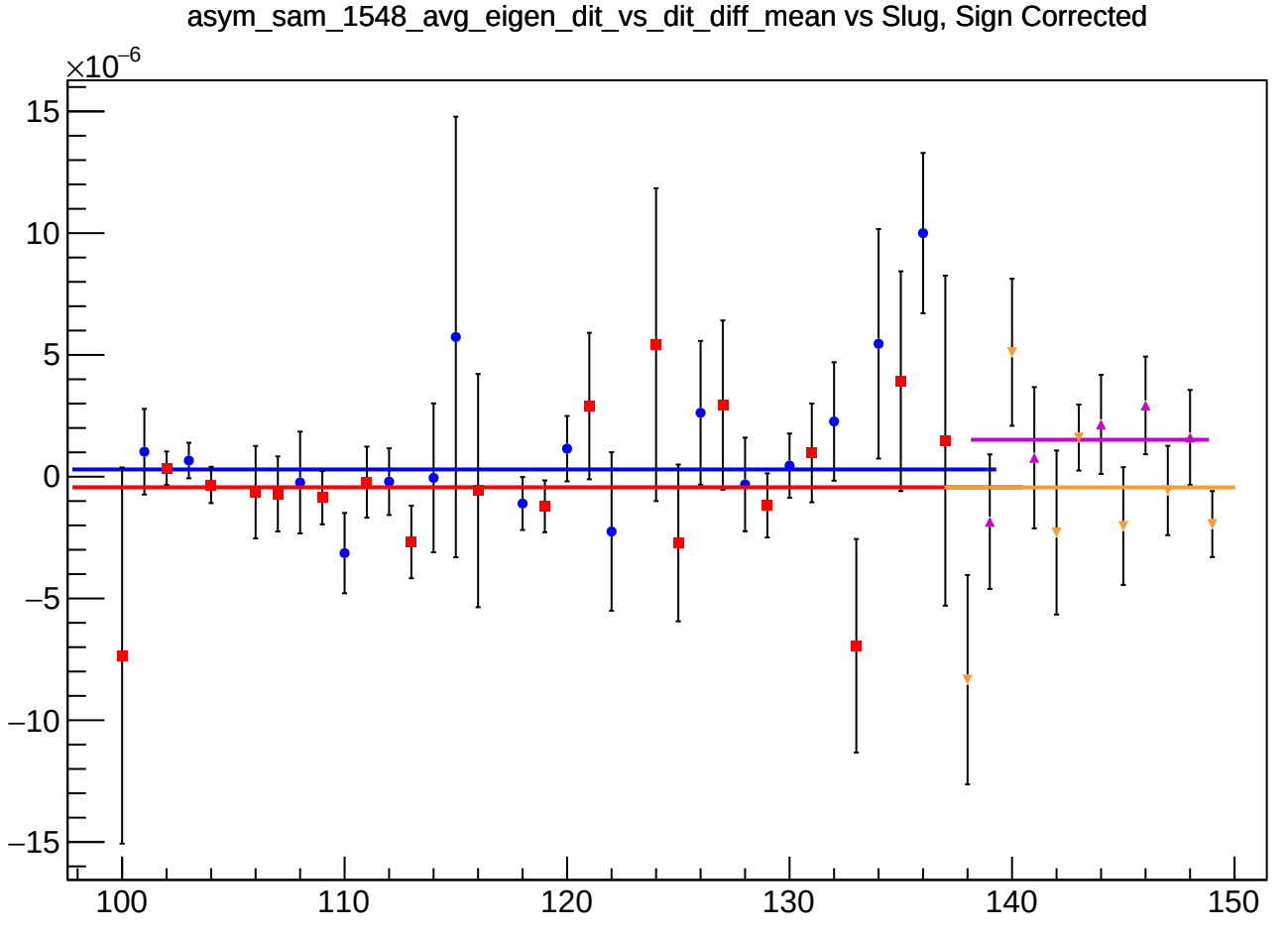
Left: 47.223+/-0.011 χ^2/NDF: 581465.5/11

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 28.436+/-0.007 χ^2/NDF:3923822.1/20

Out: 29.709+/-0.007 χ^2/NDF:3782942.0/25

All: 29.084+/-0.005 χ^2/NDF: 7725168.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/4

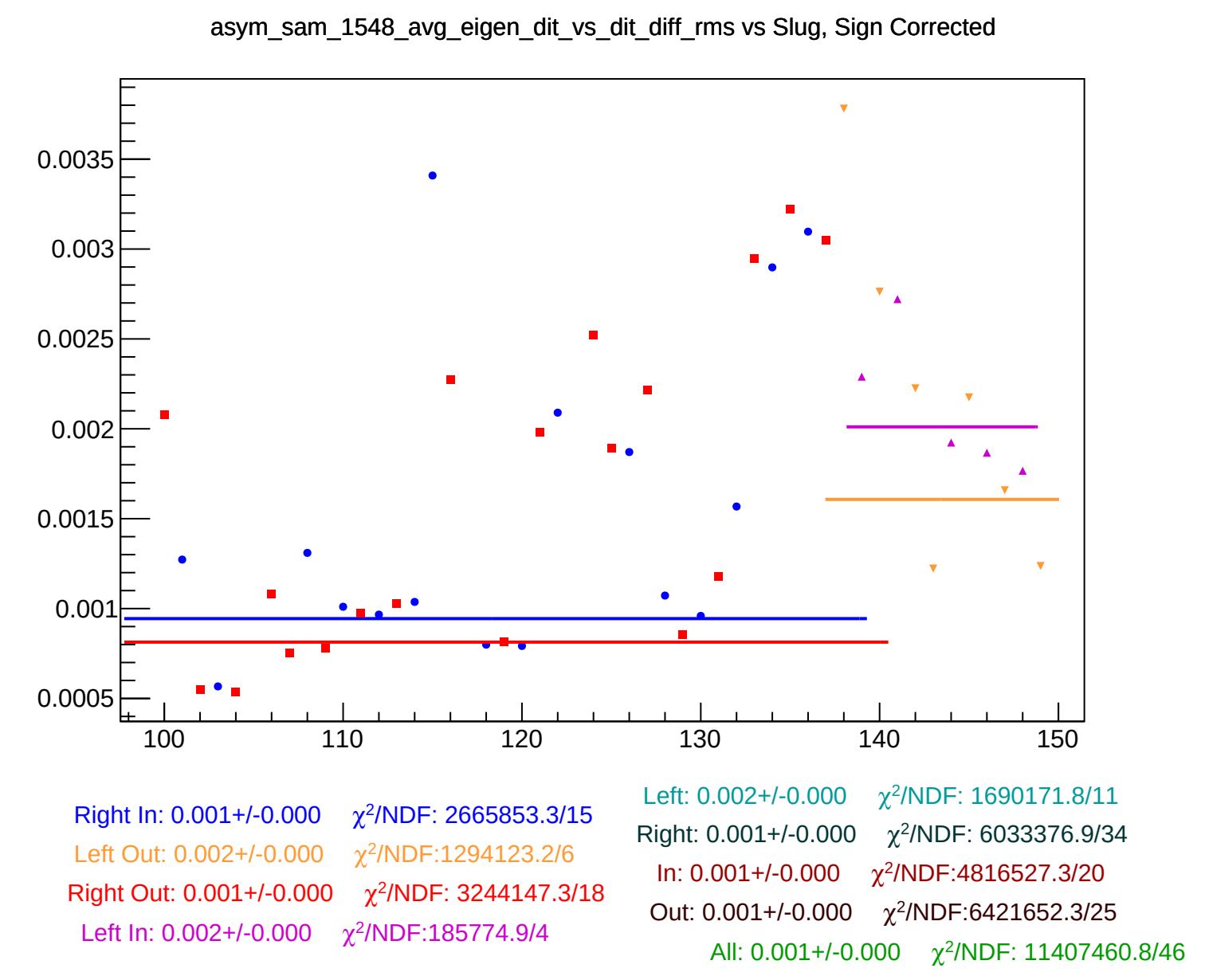
Left: 0.000+/-0.000 χ^2/NDF: 15.6/11

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

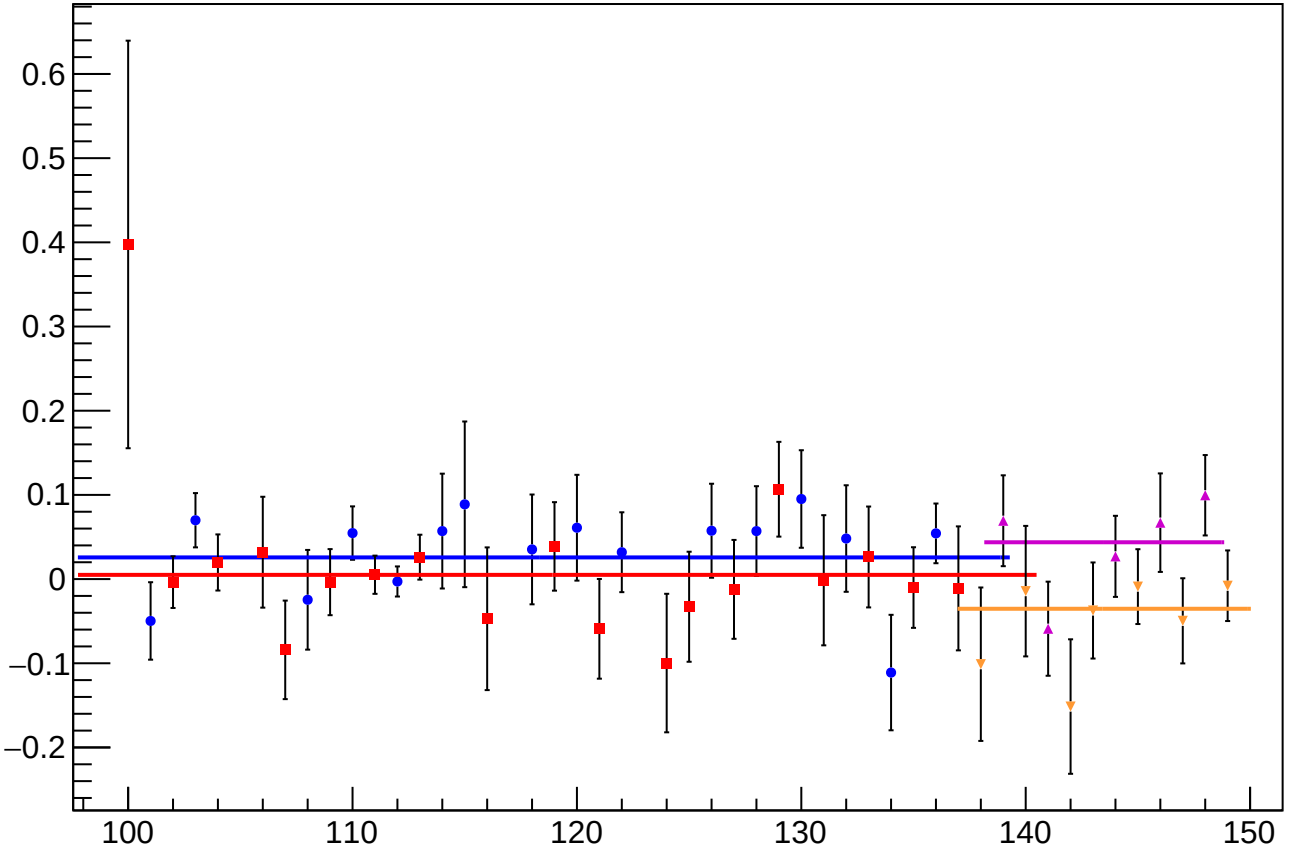
In: 0.000+/-0.000 χ^2/NDF:22.7/20

Out: -0.000+/-0.000 χ^2/NDF:23.7/25

All: -0.000+/-0.000 χ^2/NDF: 49.9/46


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:1294123.2/6
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: 1690171.8/11
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:6421652.3/25
All: 0.001+/-0.000 χ²/NDF: 11407460.8/46

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: -0.035+/-0.021 χ^2/NDF:3.6/6

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

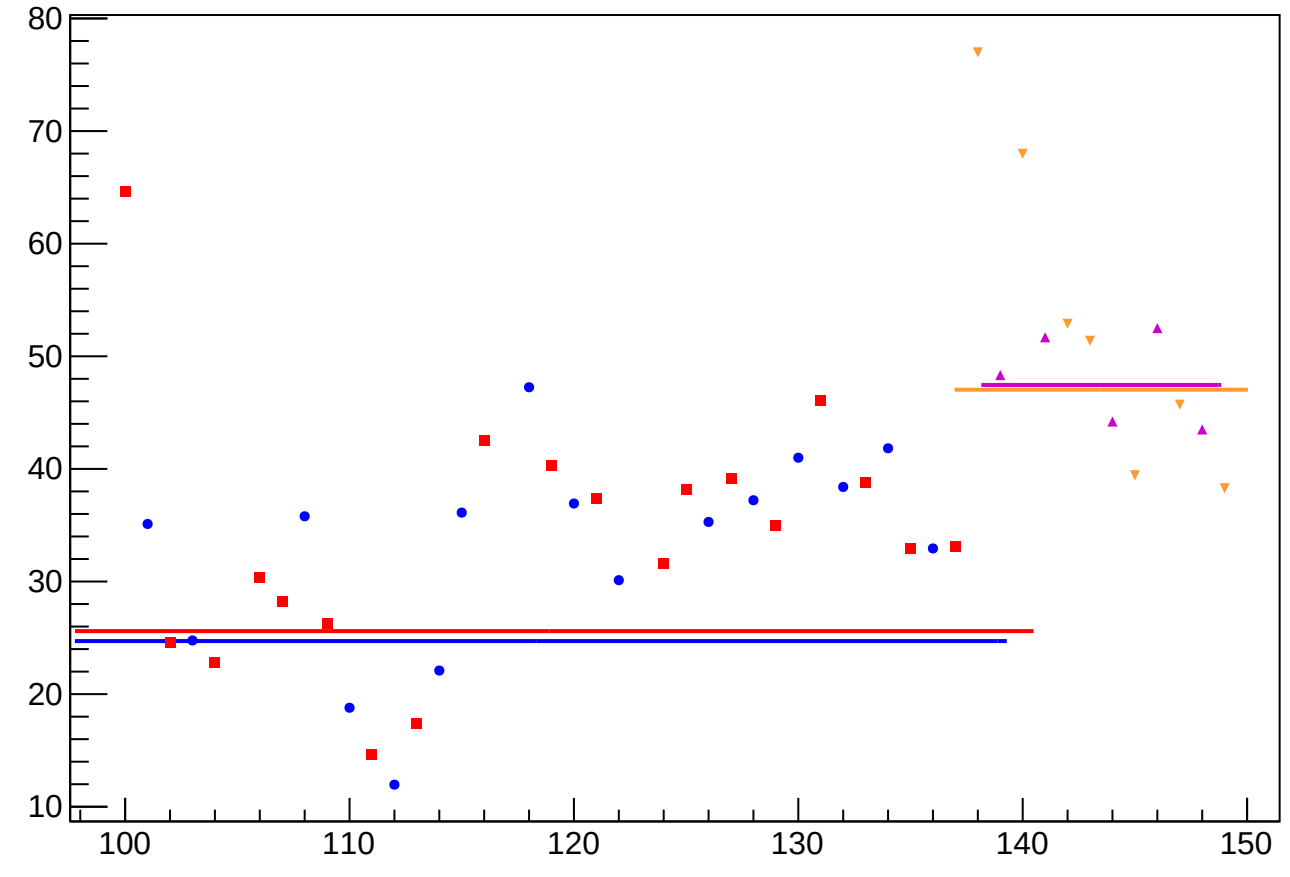
Left: 0.000+/-0.016 χ^2/NDF: 15.1/11

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.003+/-0.009 χ^2/NDF:20.1/25

All: 0.013+/-0.007 χ^2/NDF: 47.9/46



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 47.033+/-0.015 χ^2/NDF:531424.6/6

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: 47.223+/-0.011 χ^2/NDF: 581451.0/11

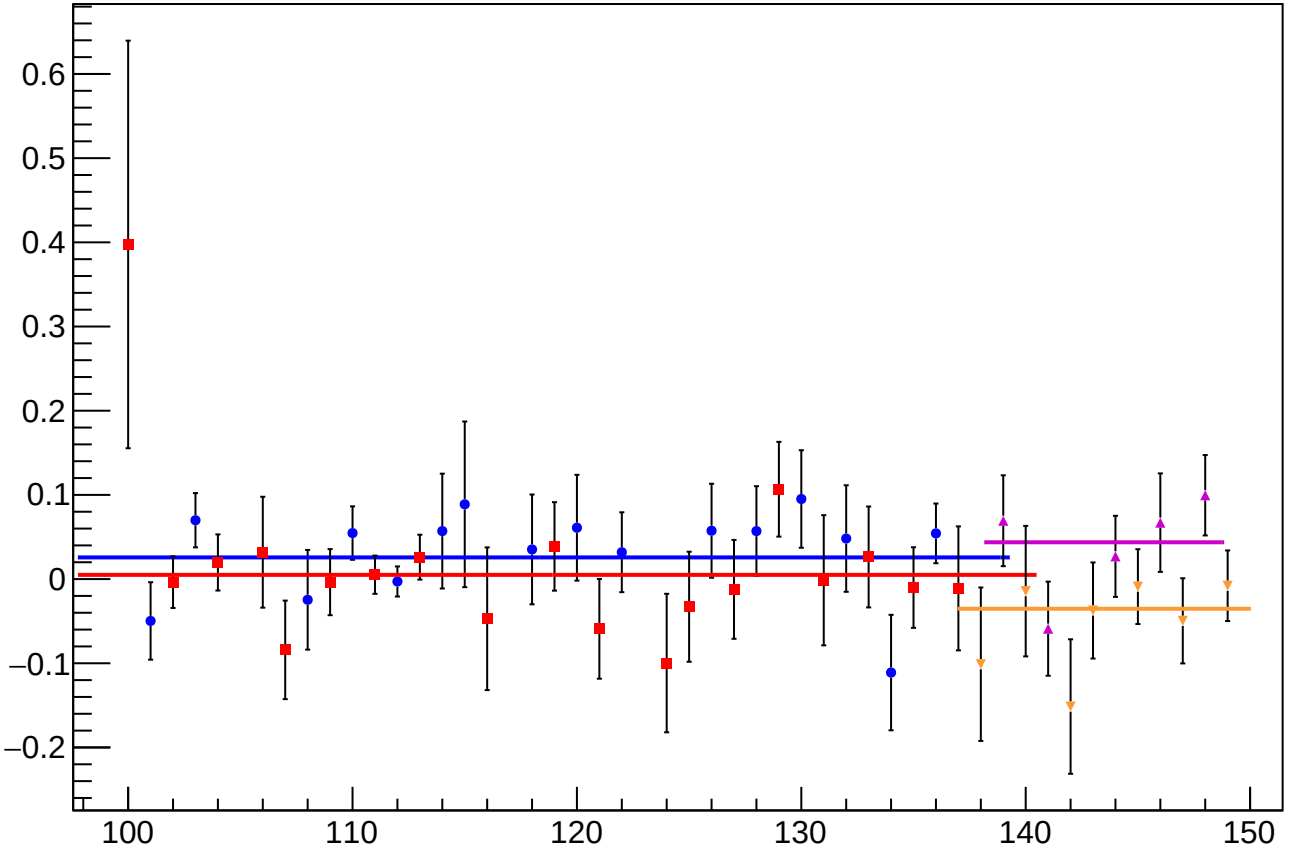
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 28.435+/-0.007 χ^2/NDF:3924142.4/20

Out: 29.709+/-0.007 χ^2/NDF:3783213.4/25

All: 29.084+/-0.005 χ^2/NDF: 7725765.2/46

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: -0.035+/-0.021 χ^2/NDF:3.6/6

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.044+/-0.023 χ^2/NDF:5.2/4

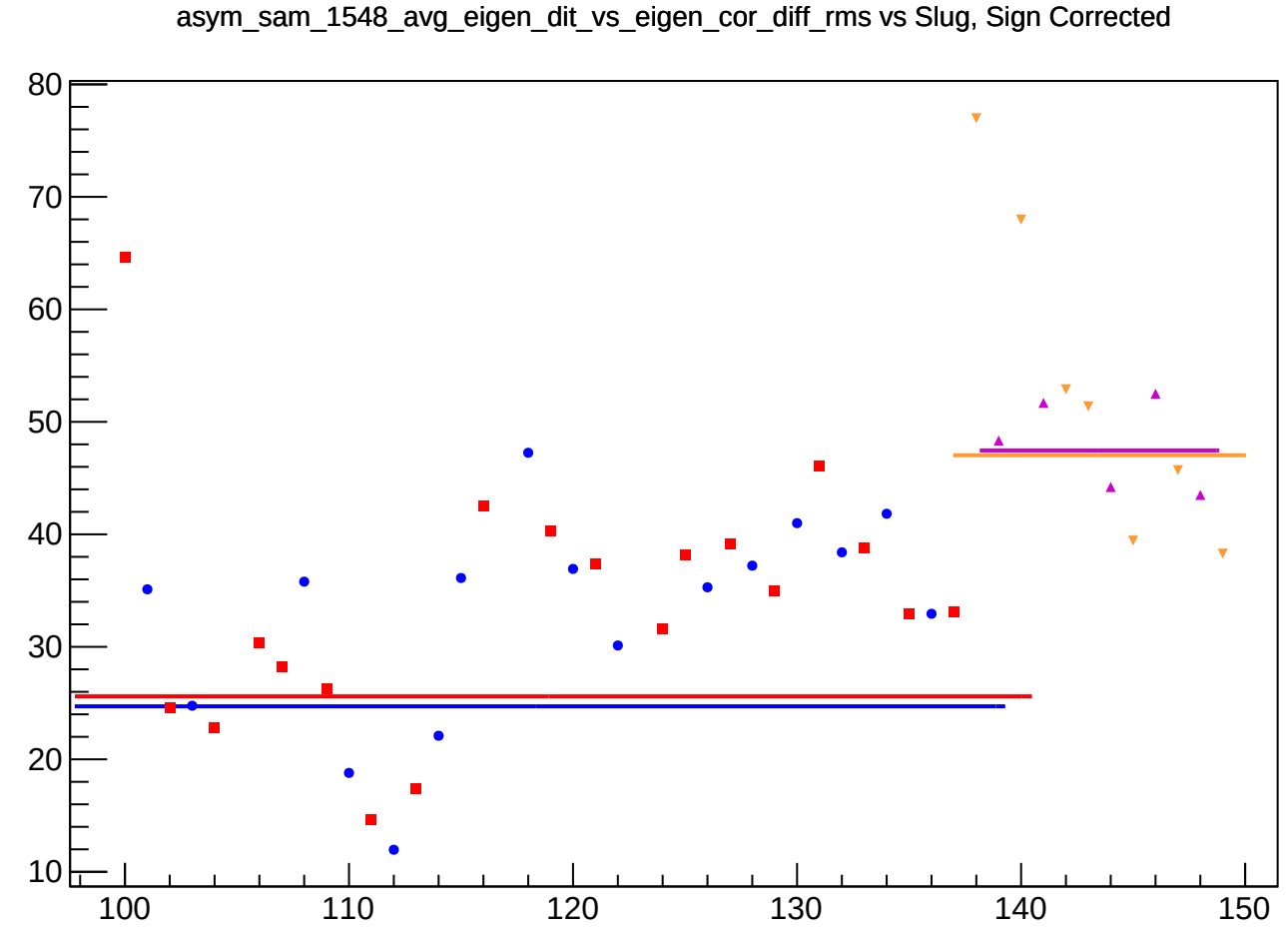
Left: 0.000+/-0.016 χ^2/NDF: 15.1/11

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.029+/-0.009 χ^2/NDF:22.2/20

Out: -0.003+/-0.009 χ^2/NDF:20.1/25

All: 0.013+/-0.007 χ^2/NDF: 47.9/46



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 47.033+/-0.015 χ^2/NDF:531424.6/6

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 47.455+/-0.017 χ^2/NDF:49669.5/4

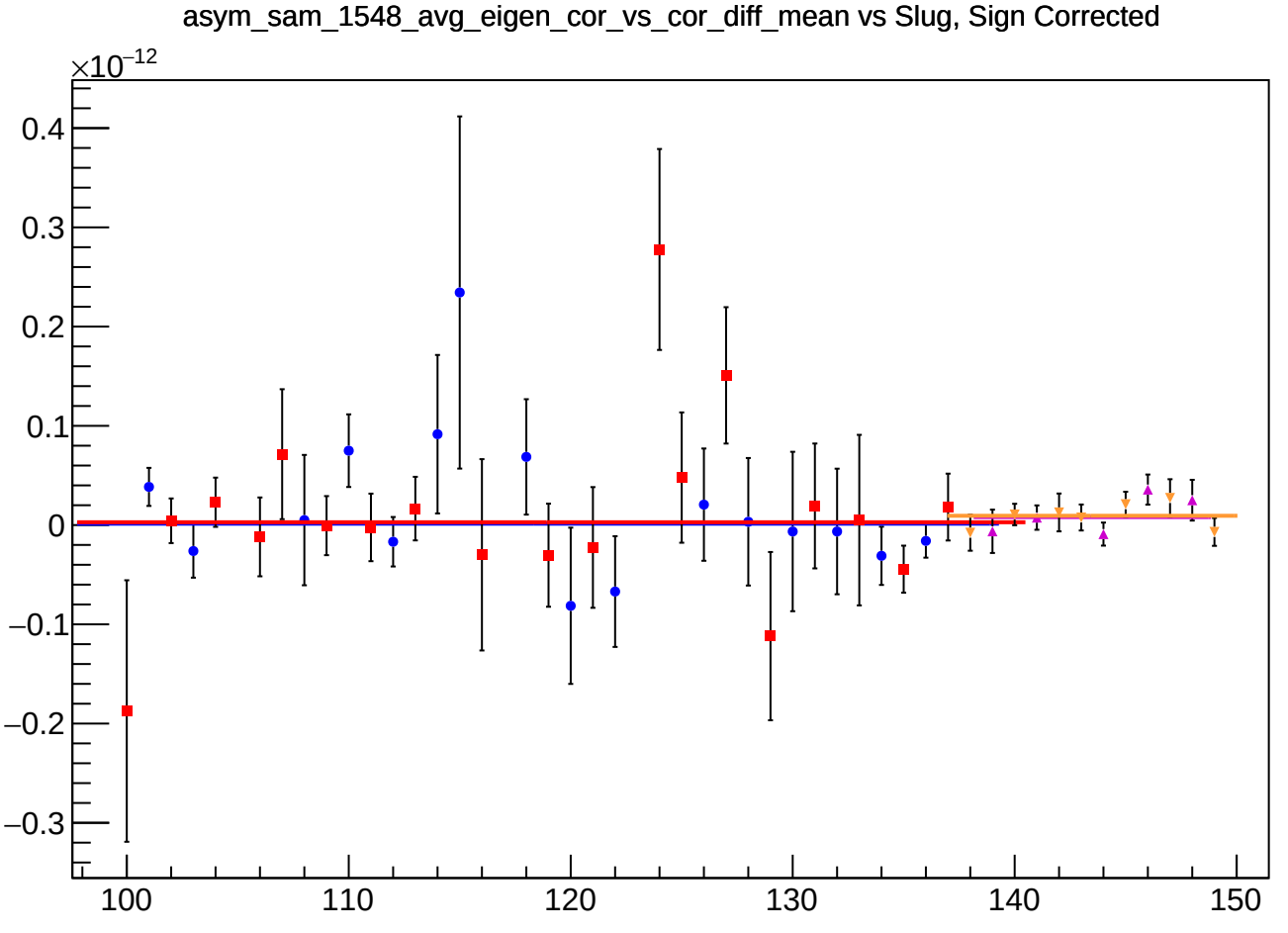
Left: 47.223+/-0.011 χ^2/NDF: 581451.0/11

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 28.435+/-0.007 χ^2/NDF:3924142.4/20

Out: 29.709+/-0.007 χ^2/NDF:3783213.4/25

All: 29.084+/-0.005 χ^2/NDF: 7725765.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/4

Left: 0.000+/-0.000 χ^2/NDF: 10.7/11

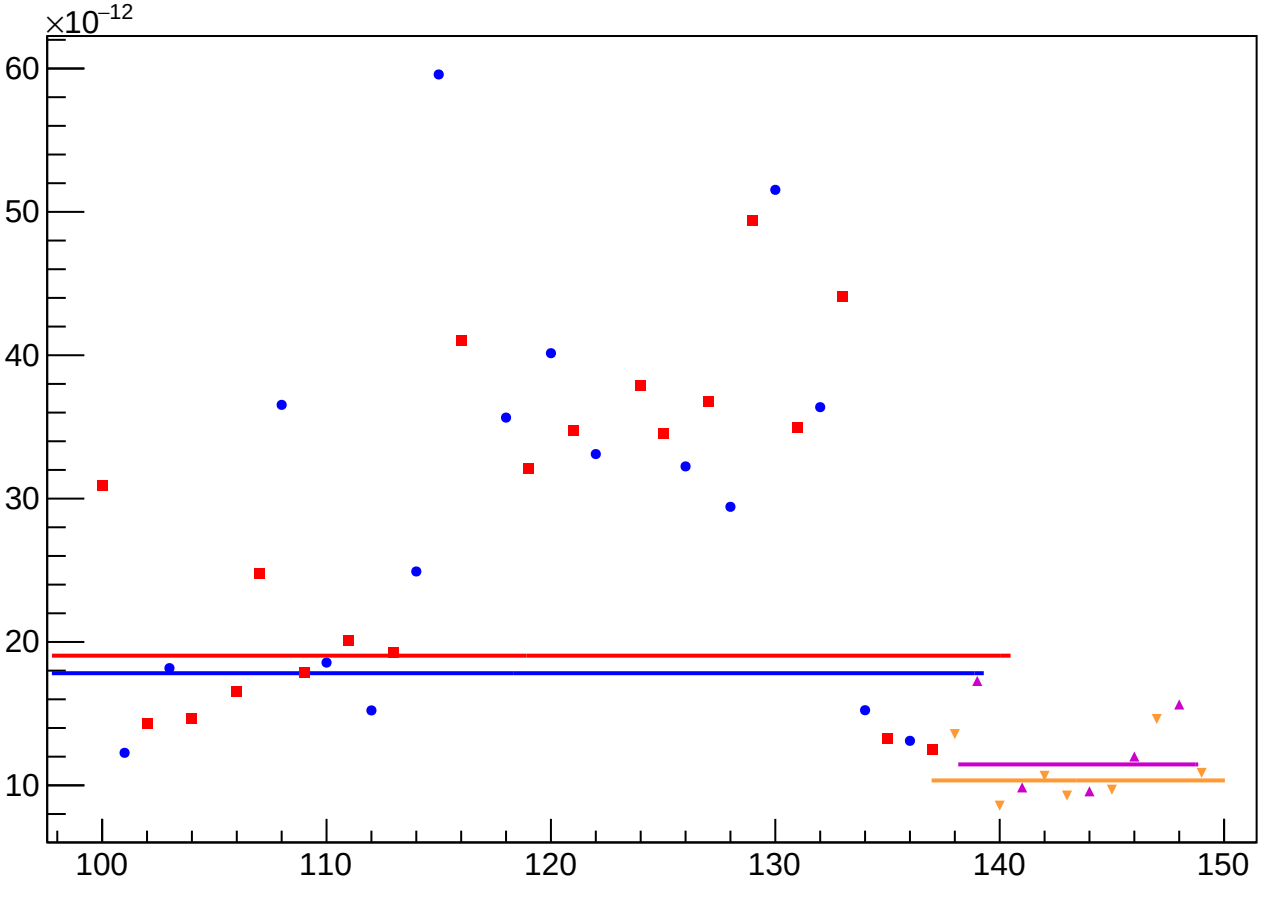
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:25.7/20

Out: 0.000+/-0.000 χ^2/NDF:27.9/25

All: 0.000+/-0.000 χ^2/NDF: 53.7/46

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:241366.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:314035.2/4

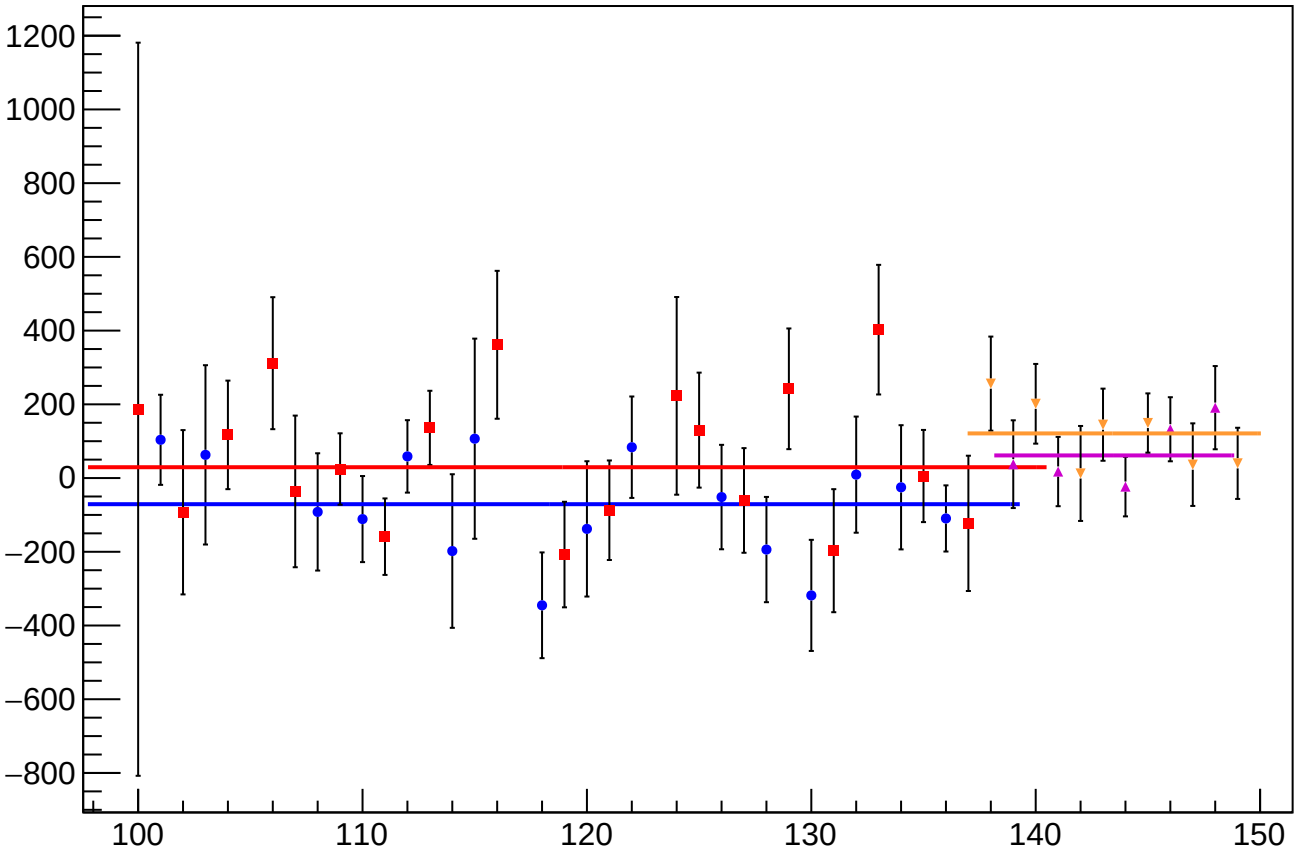
Left: 0.000+/-0.000 χ^2/NDF: 589708.9/11

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2864317.4/20

Out: 0.000+/-0.000 χ^2/NDF:3208338.0/25

All: 0.000+/-0.000 χ^2/NDF: 6131908.9/46



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 121.114+/-39.115 χ^2/NDF:3.8/6

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 61.397+/-42.729 χ^2/NDF:3.3/4

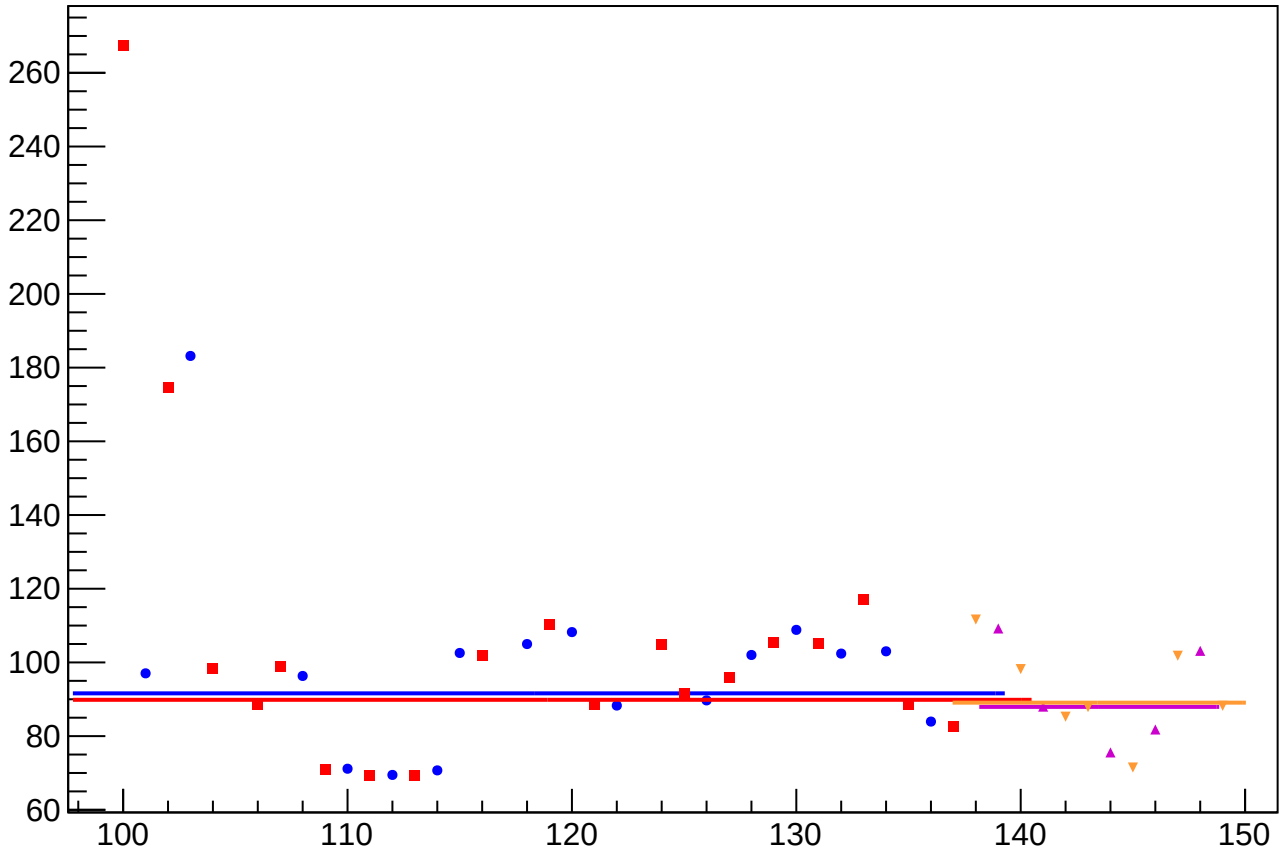
Left: 93.887+/-28.852 χ^2/NDF: 8.2/11

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -17.551+/-27.133 χ^2/NDF:23.1/20

Out: 69.198+/-25.765 χ^2/NDF:31.0/25

All: 28.064+/-18.683 χ^2/NDF: 59.5/46



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.085+/-0.028 χ^2/NDF:200688.3/6

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: 88.560+/-0.020 χ^2/NDF: 358451.8/11

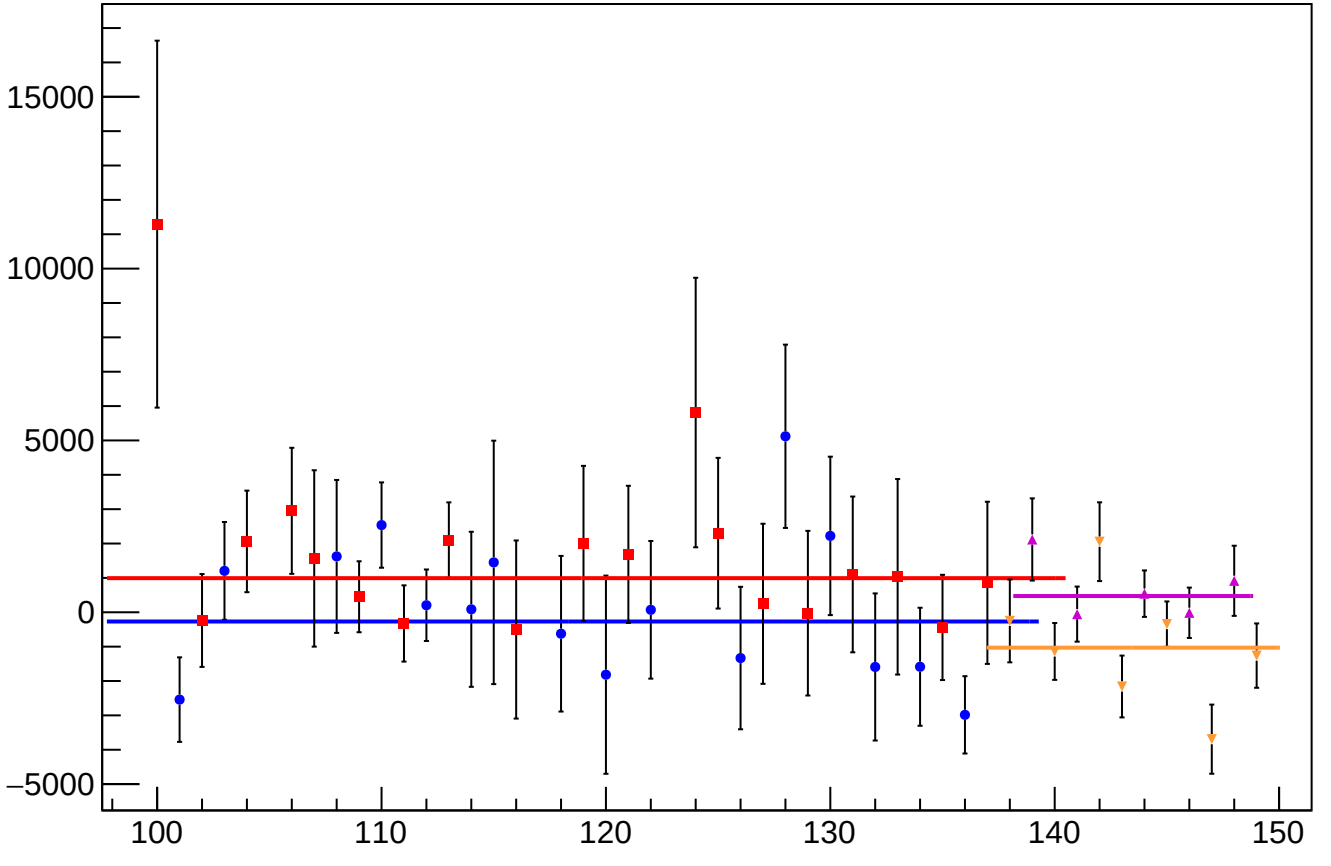
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.126+/-0.019 χ^2/NDF:746474.2/20

Out: 89.520+/-0.018 χ^2/NDF:947415.9/25

All: 89.808+/-0.013 χ^2/NDF: 1694414.5/46

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1029.544+/-341.469 χ^2/NDF:17.4/6

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 472.829+/-370.883 χ^2/NDF:3.0/4

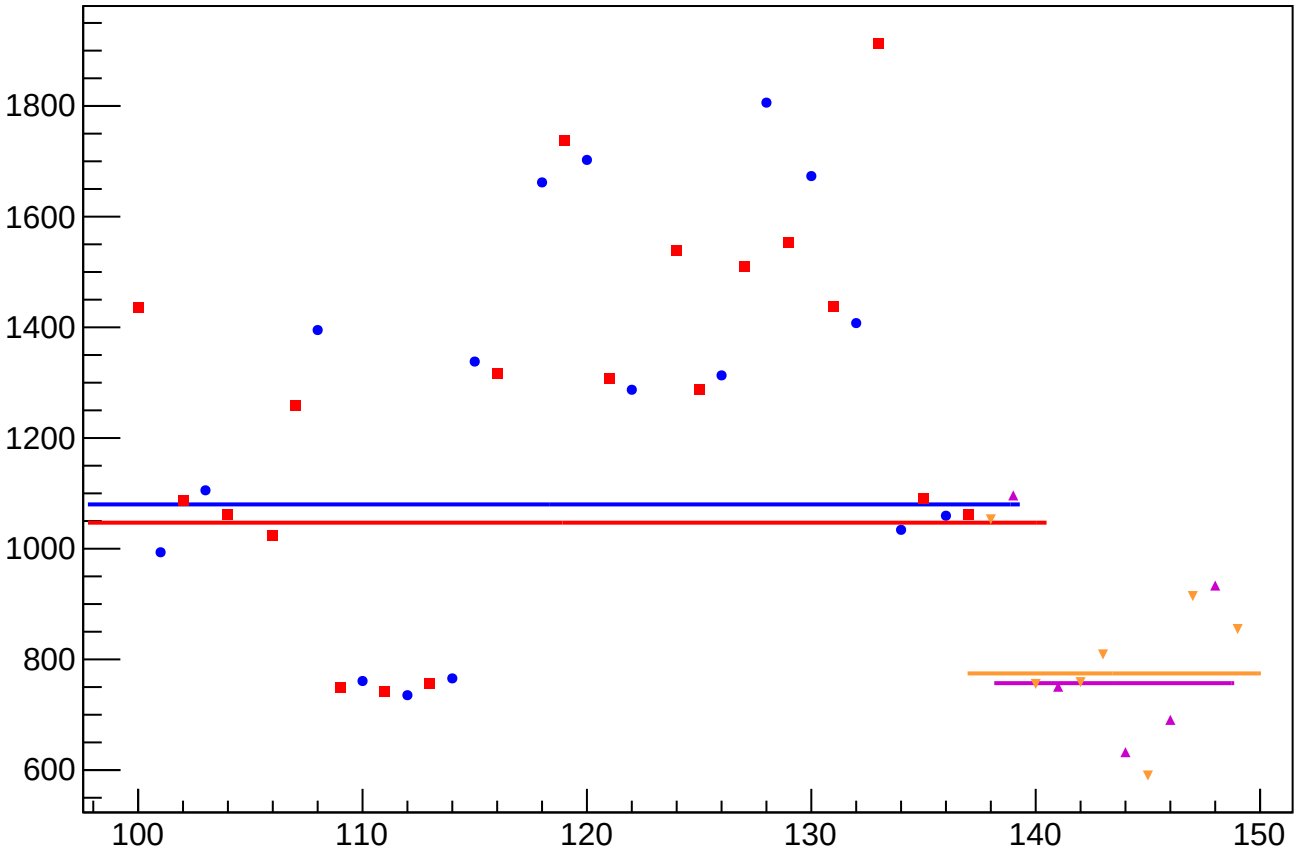
Left: -340.287+/-251.211 χ^2/NDF: 29.2/11

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 147.666+/-277.883 χ^2/NDF:28.2/20

Out: -179.109+/-259.933 χ^2/NDF:44.8/25

All: -26.616+/-189.829 χ^2/NDF: 73.7/46



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 774.665+/-0.241 χ^2/NDF:320667.0/6

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 757.082+/-0.262 χ^2/NDF:305285.6/4

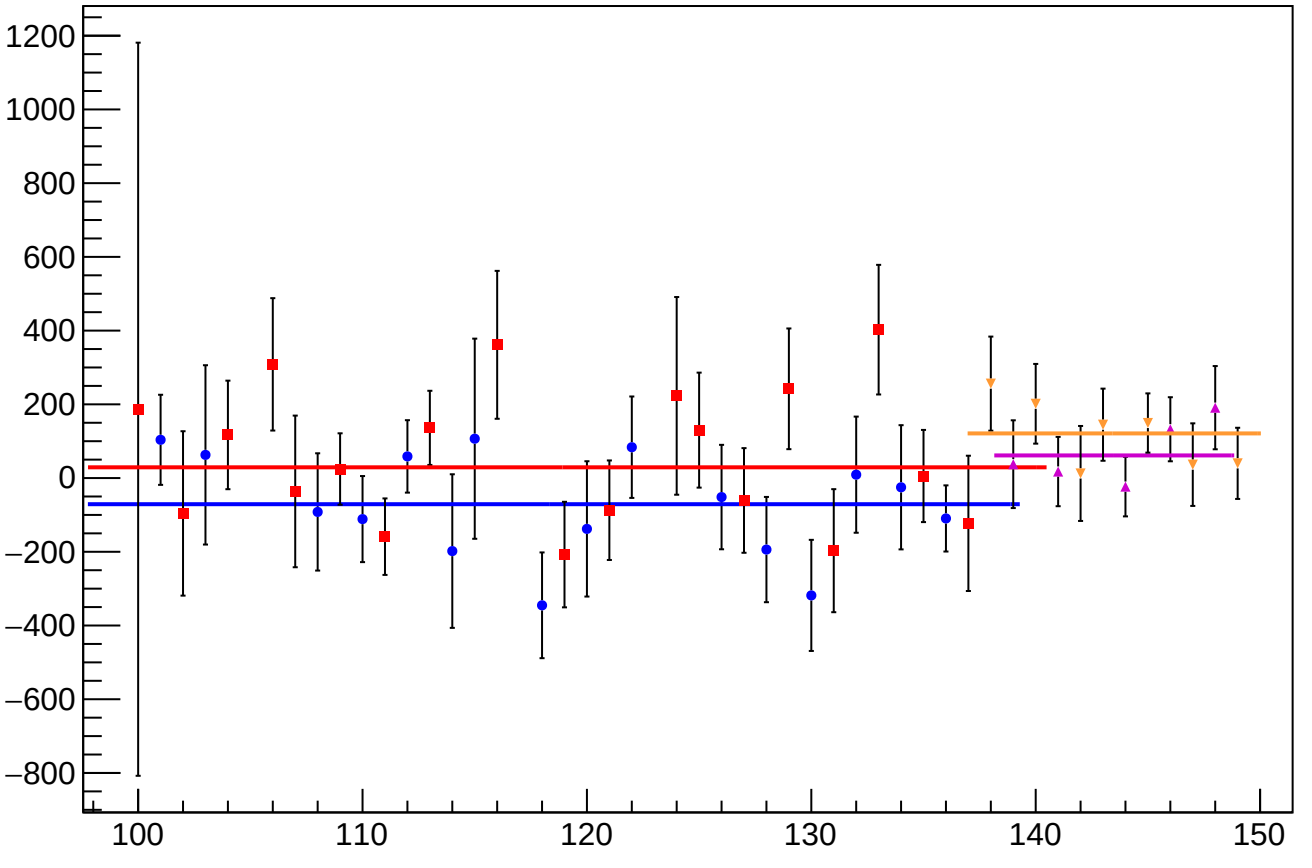
Left: 766.599+/-0.178 χ^2/NDF: 628385.6/11

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 898.743+/-0.196 χ^2/NDF:2023966.1/20

Out: 889.223+/-0.184 χ^2/NDF:2054569.7/25

All: 893.666+/-0.134 χ^2/NDF: 4079787.8/46



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 121.126+/-39.115 χ^2/NDF:3.8/6

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: 93.896+/-28.852 χ^2/NDF: 8.2/11

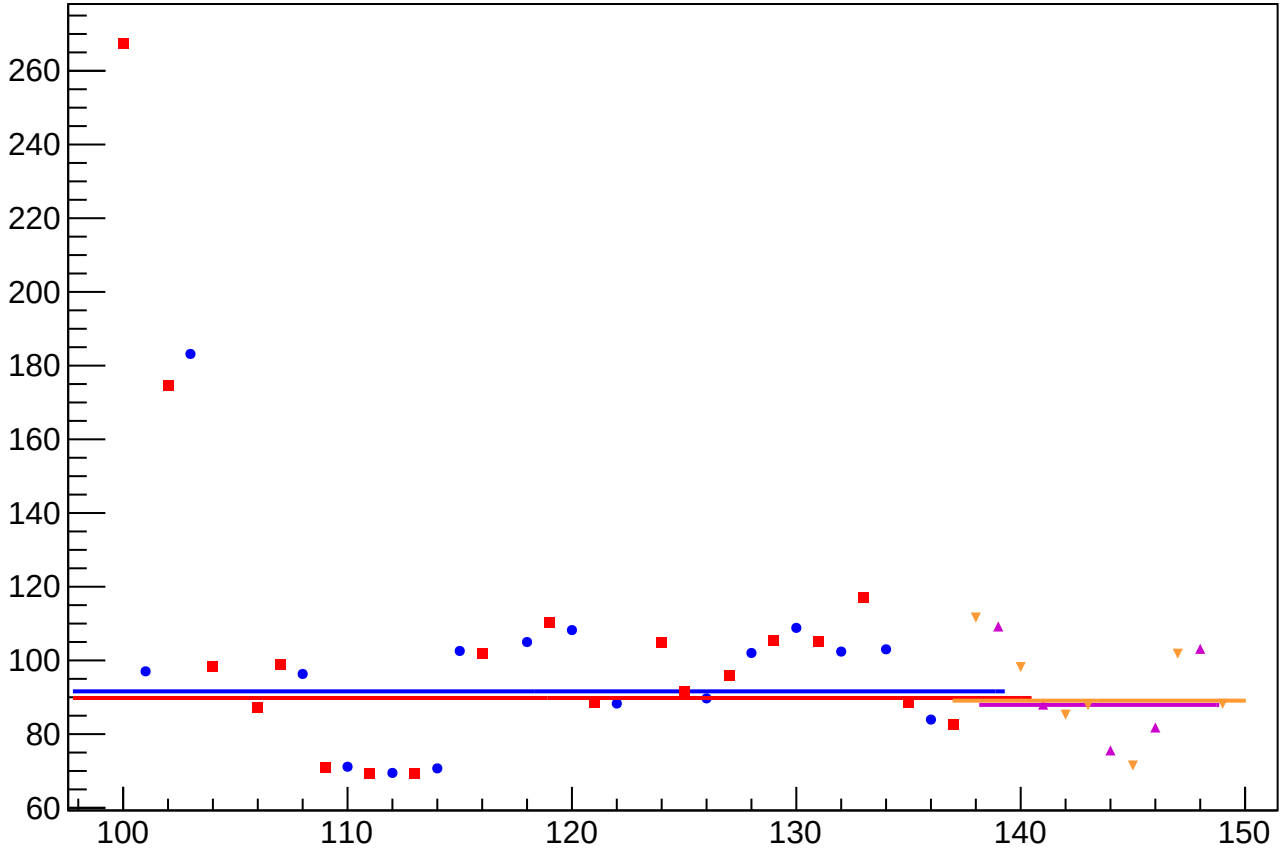
Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -17.556+/-27.133 χ^2/NDF:23.1/20

Out: 69.066+/-25.767 χ^2/NDF:30.9/25

All: 27.990+/-18.684 χ^2/NDF: 59.4/46

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.085+/-0.028 χ^2/NDF:200688.3/6

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 87.933+/-0.030 χ^2/NDF:156973.3/4

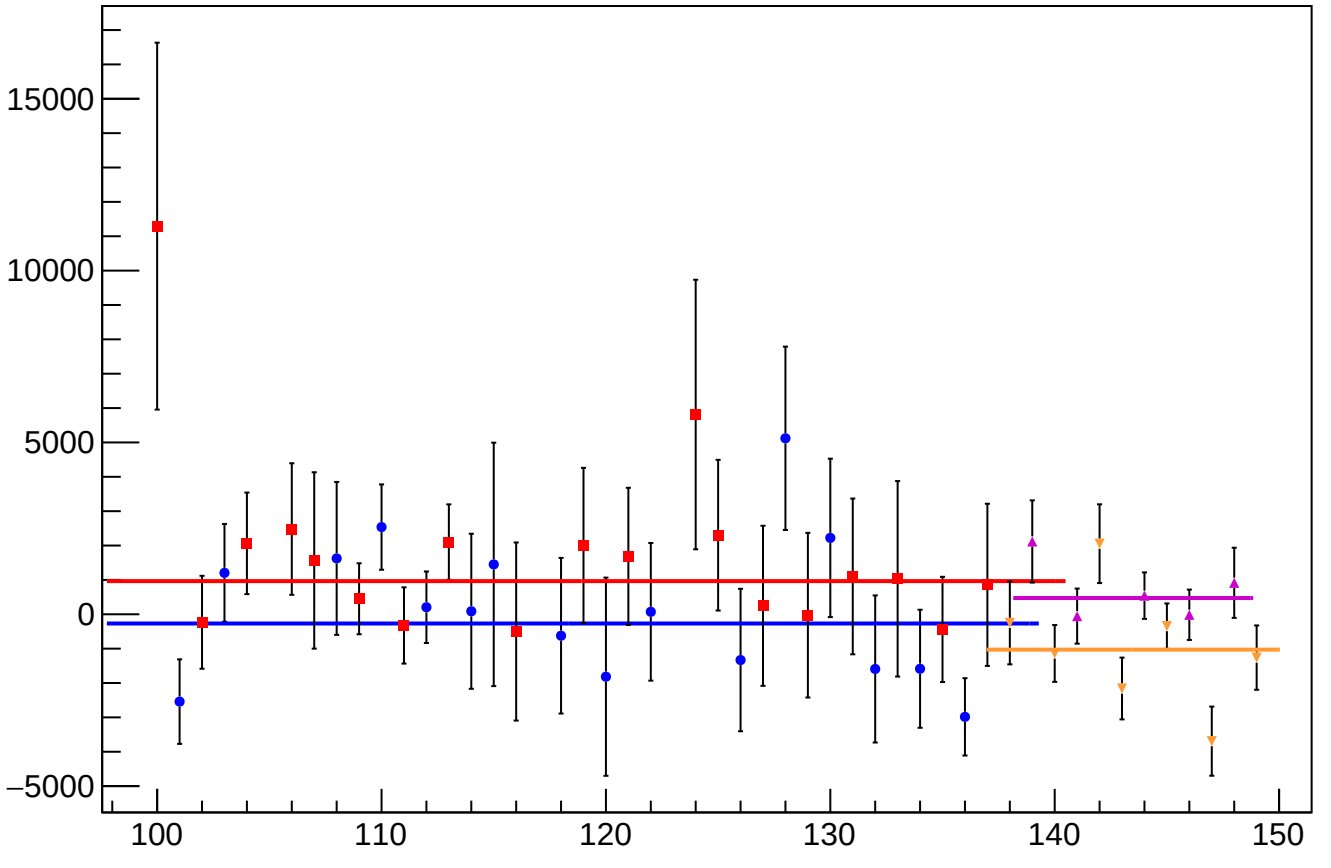
Left: 88.560+/-0.020 χ^2/NDF: 358451.8/11

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.126+/-0.019 χ^2/NDF:746477.4/20

Out: 89.494+/-0.018 χ^2/NDF:947907.8/25

All: 89.794+/-0.013 χ^2/NDF: 1694957.1/46



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1029.534+/-341.469 χ^2/NDF:17.4/6

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 472.838+/-370.883 χ^2/NDF:3.0/4

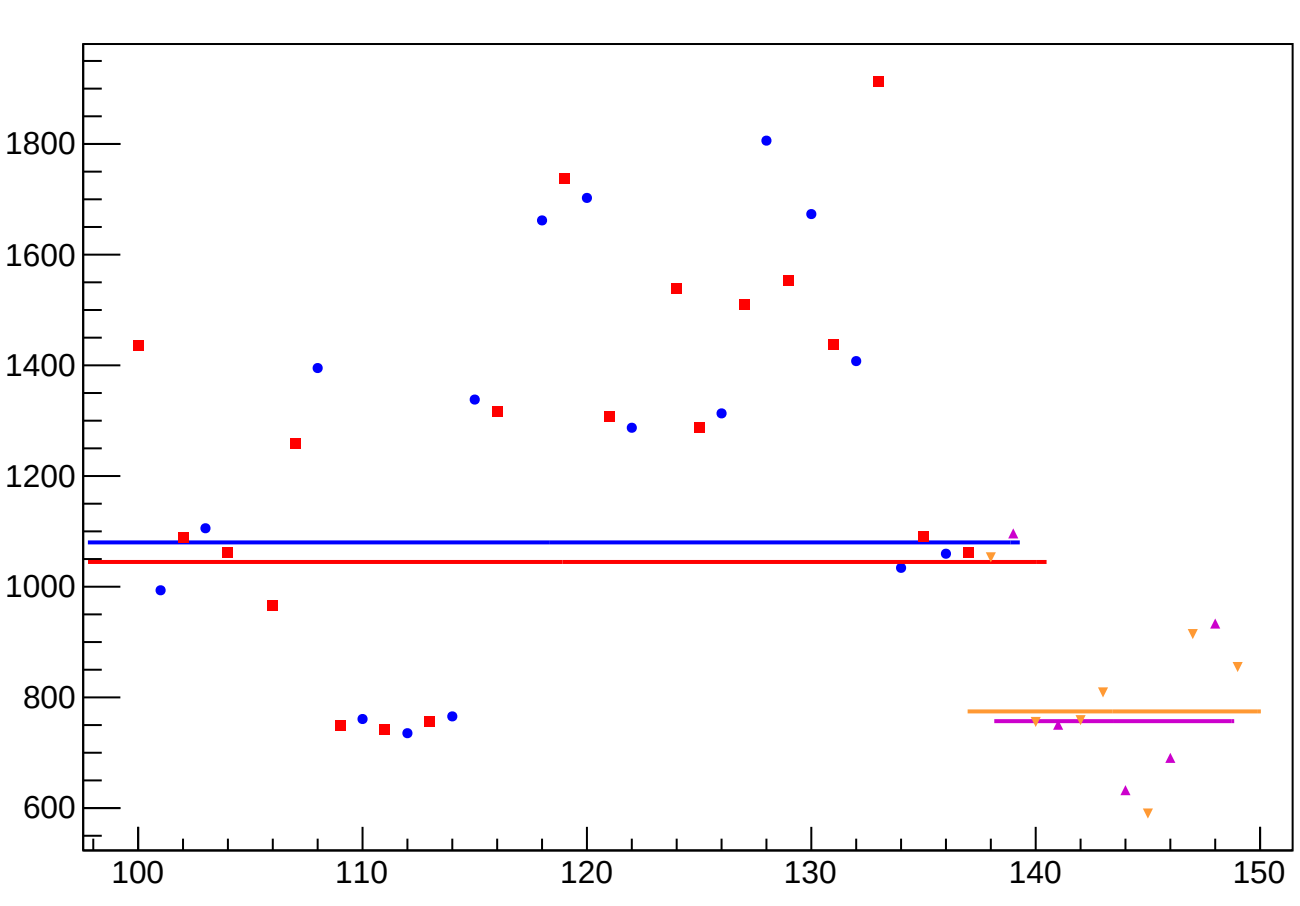
Left: -340.277+/-251.211 χ^2/NDF: 29.2/11

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 147.665+/-277.884 χ^2/NDF:28.2/20

Out: -192.704+/-260.153 χ^2/NDF:43.8/25

All: -33.724+/-189.915 χ^2/NDF: 72.8/46



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 774.665+/-0.241 χ^2/NDF:320668.0/6

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

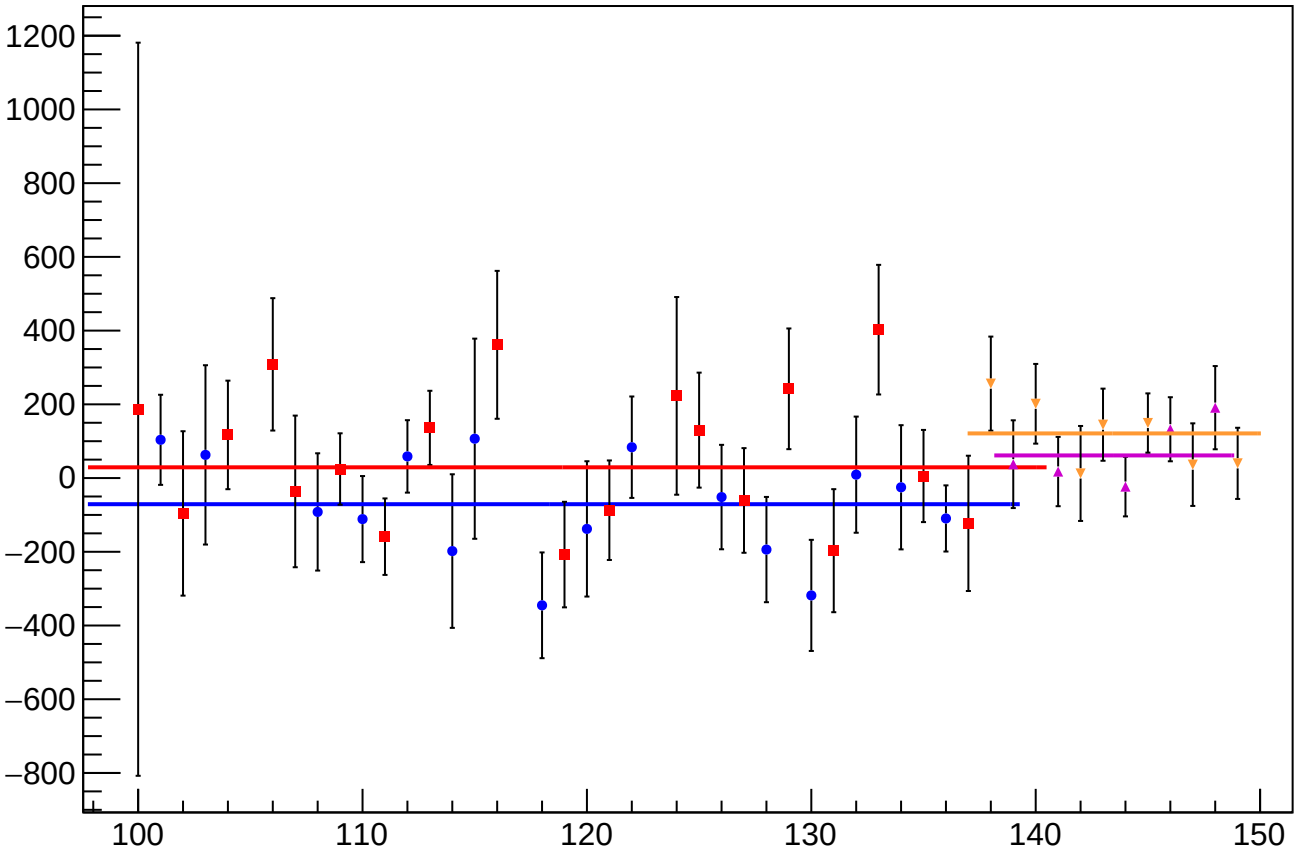
Left: 766.598+/-0.178 χ^2/NDF: 628385.6/11

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 898.746+/-0.196 χ^2/NDF:2023999.9/20

Out: 887.969+/-0.184 χ^2/NDF:2047324.2/25

All: 893.003+/-0.134 χ^2/NDF: 4072927.2/46



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 121.126+/-39.115 χ^2/NDF:3.8/6

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 61.402+/-42.729 χ^2/NDF:3.3/4

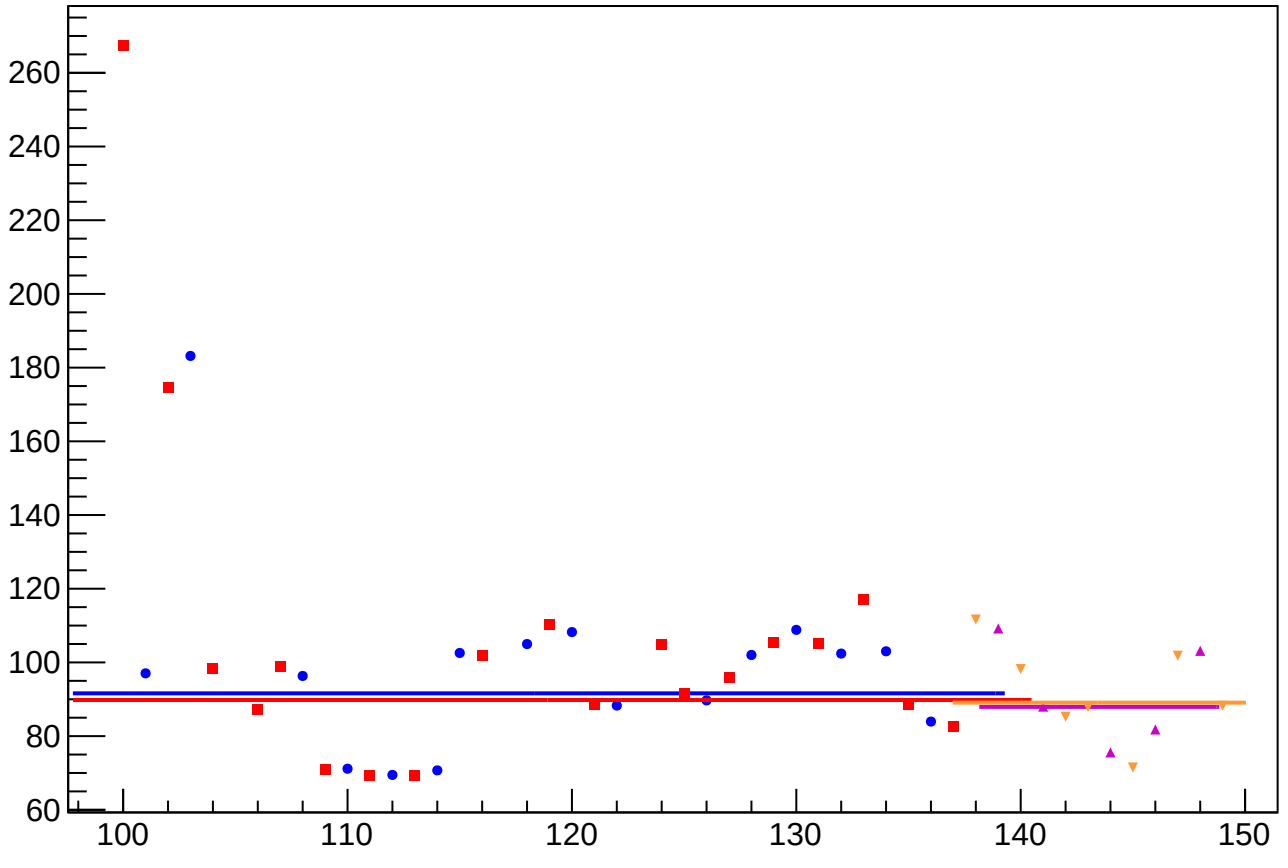
Left: 93.896+/-28.852 χ^2/NDF: 8.2/11

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -17.556+/-27.133 χ^2/NDF:23.1/20

Out: 69.066+/-25.767 χ^2/NDF:30.9/25

All: 27.990+/-18.684 χ^2/NDF: 59.4/46



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.085+/-0.028 χ^2/NDF:200688.3/6

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: 88.560+/-0.020 χ^2/NDF: 358451.8/11

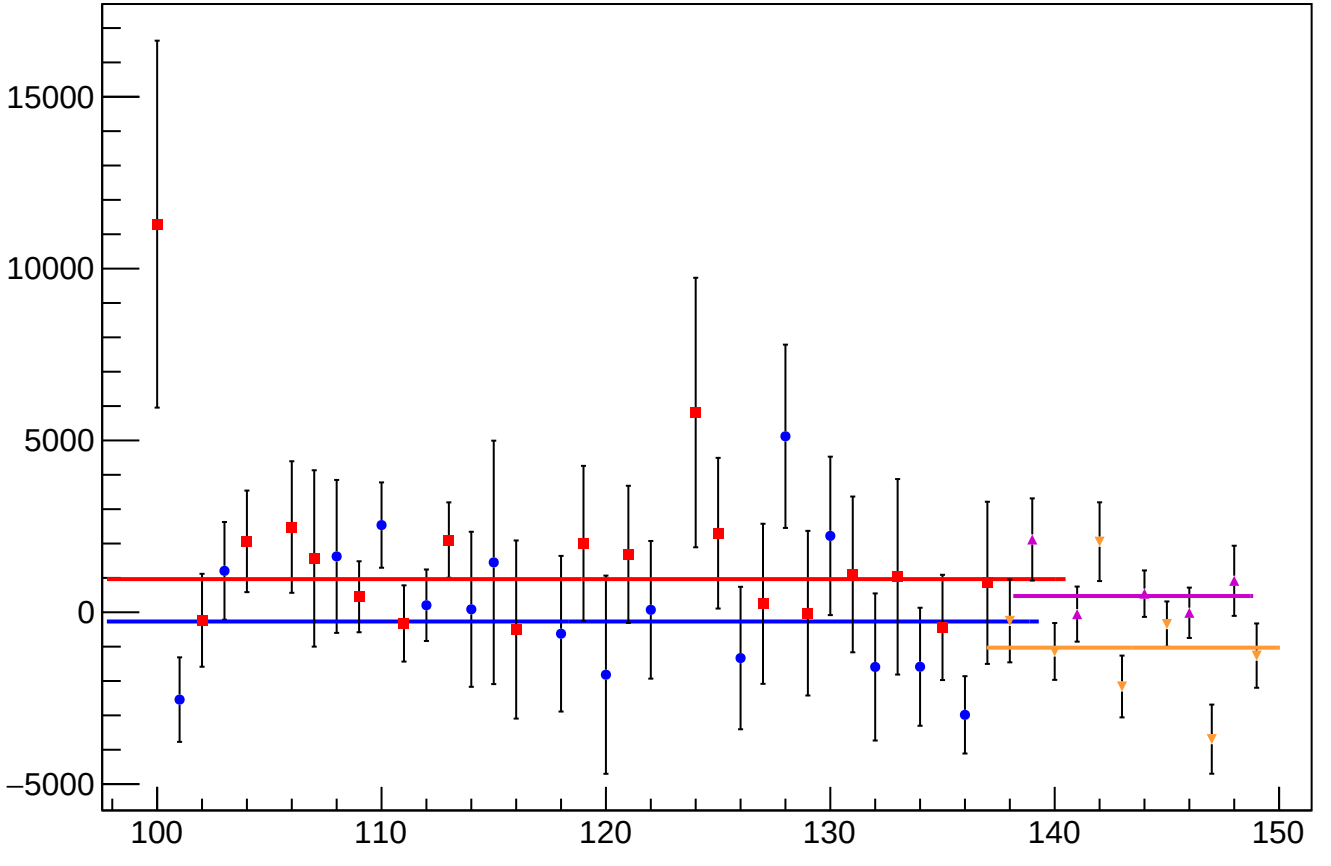
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.126+/-0.019 χ^2/NDF:746477.4/20

Out: 89.494+/-0.018 χ^2/NDF:947907.8/25

All: 89.794+/-0.013 χ^2/NDF: 1694957.1/46

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1029.534+/-341.469 χ^2/NDF:17.4/6

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 472.838+/-370.883 χ^2/NDF:3.0/4

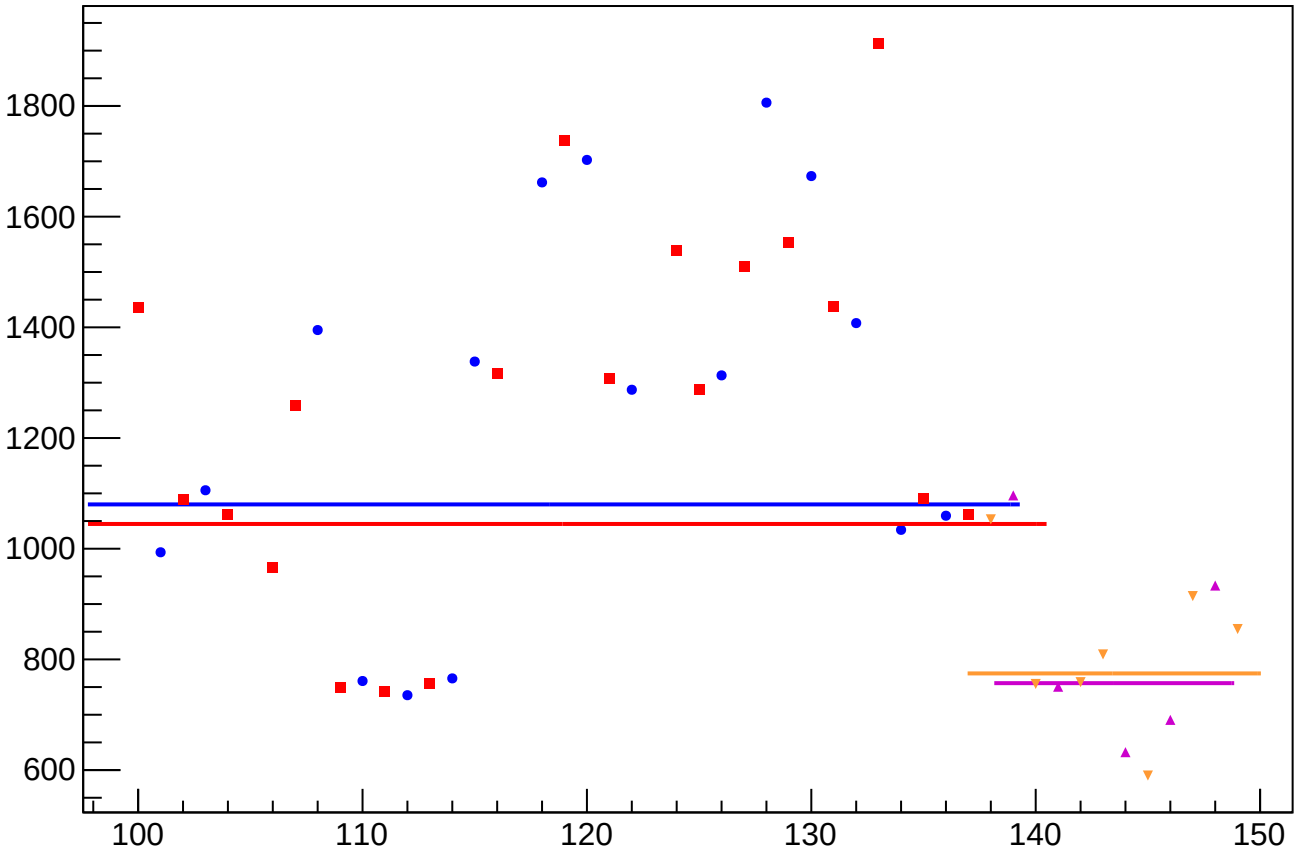
Left: -340.277+/-251.211 χ^2/NDF: 29.2/11

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 147.665+/-277.884 χ^2/NDF:28.2/20

Out: -192.704+/-260.153 χ^2/NDF:43.8/25

All: -33.724+/-189.915 χ^2/NDF: 72.8/46



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 774.665+/-0.241 χ^2/NDF:320668.0/6

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 757.082+/-0.262 χ^2/NDF:305284.8/4

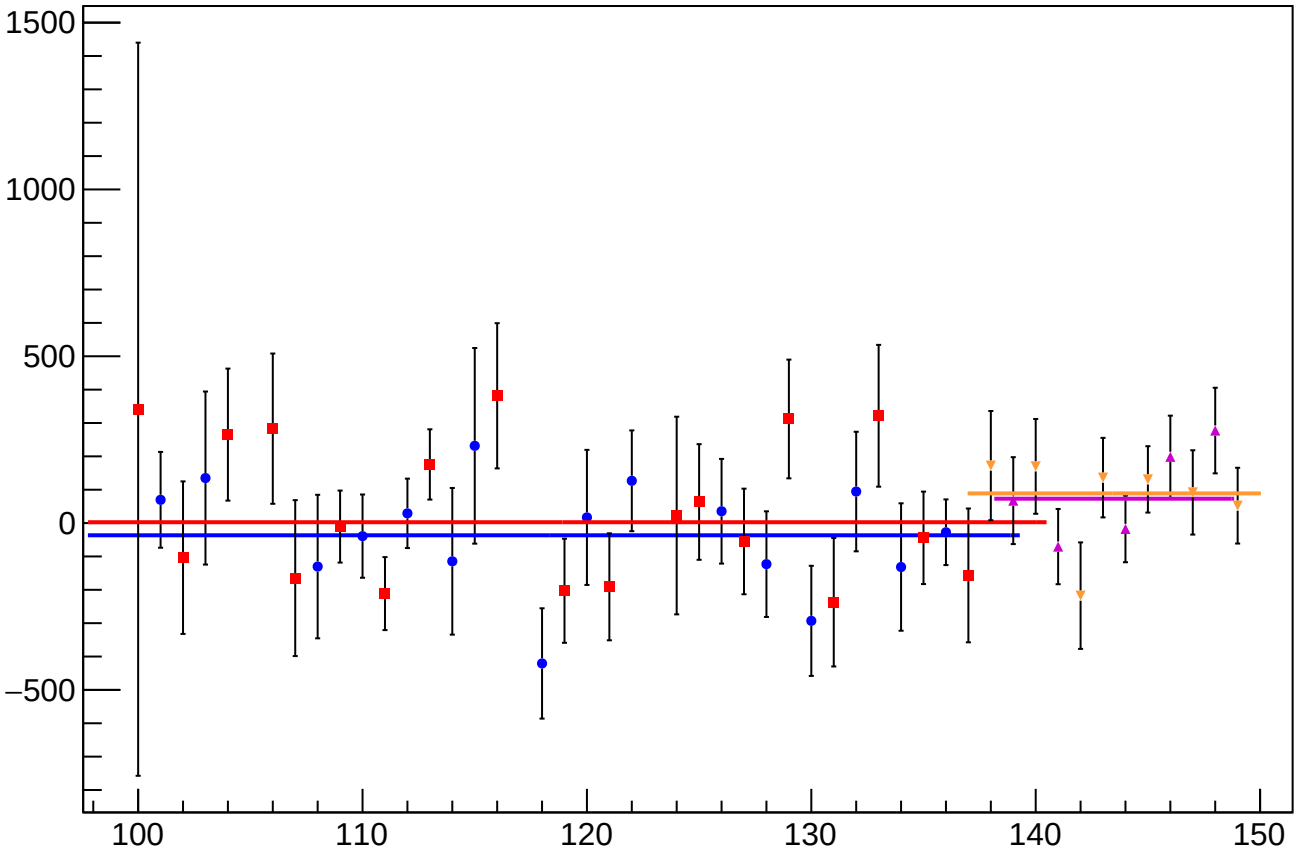
Left: 766.598+/-0.178 χ^2/NDF: 628385.6/11

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 898.746+/-0.196 χ^2/NDF:2023999.9/20

Out: 887.969+/-0.184 χ^2/NDF:2047324.2/25

All: 893.003+/-0.134 χ^2/NDF: 4072927.2/46



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 88.957+/-47.796 χ^2/NDF:4.7/6

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: 81.723+/-35.314 χ^2/NDF: 10.8/11

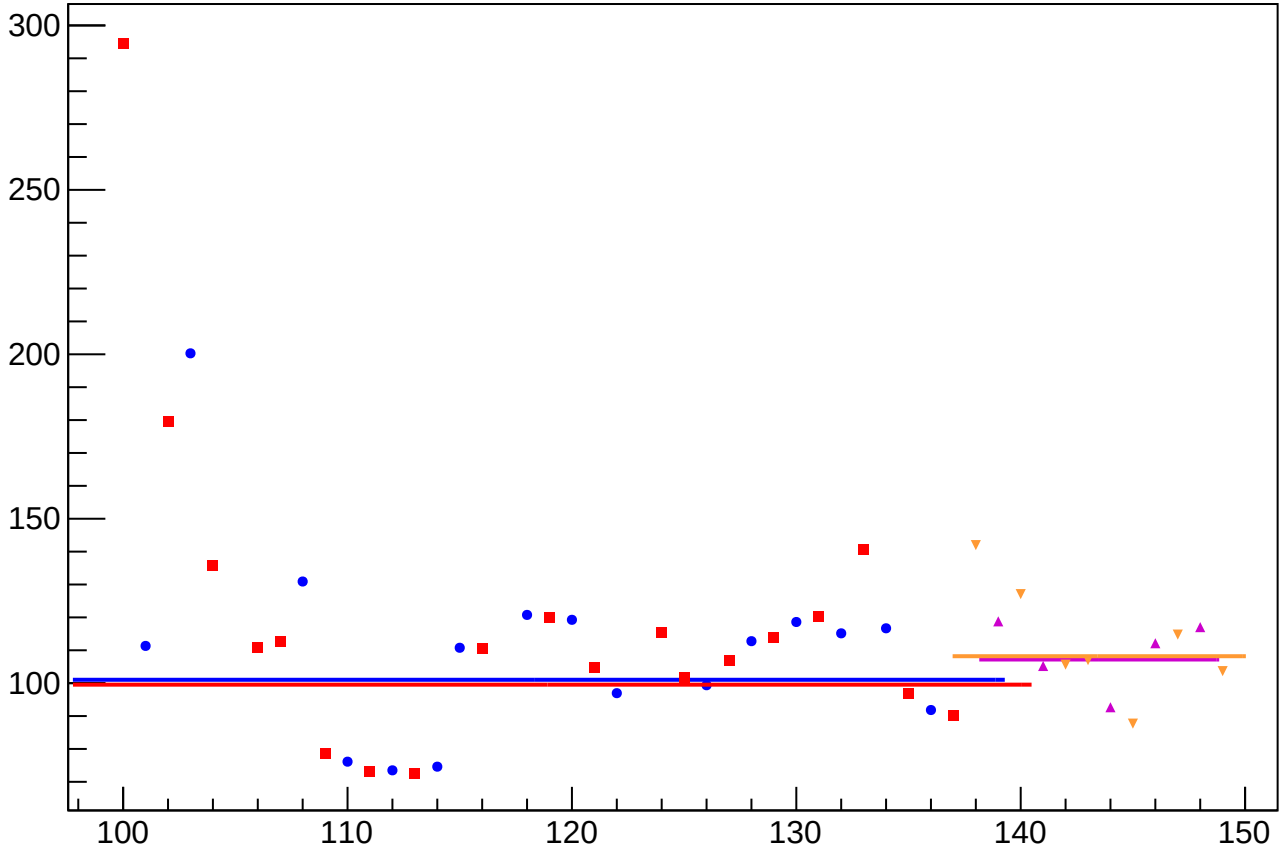
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 2.468+/-31.282 χ^2/NDF:21.7/20

Out: 36.204+/-29.823 χ^2/NDF:31.4/25

All: 20.141+/-21.586 χ^2/NDF: 53.8/46

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.196+/-0.034 χ^2/NDF:214768.9/6

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 107.195+/-0.037 χ^2/NDF:73650.3/4

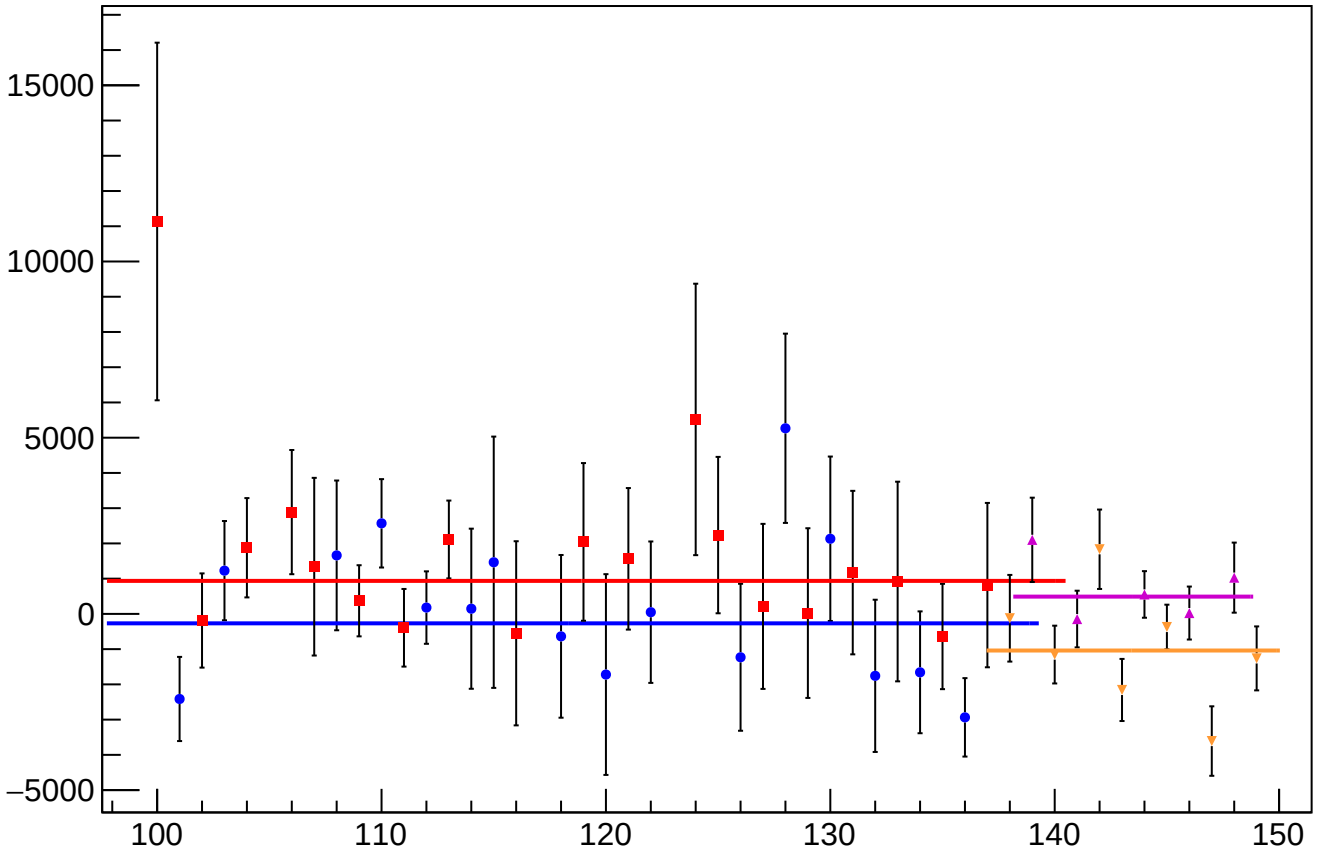
Left: 107.741+/-0.025 χ^2/NDF: 288817.4/11

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.227+/-0.022 χ^2/NDF:807554.1/20

Out: 102.914+/-0.021 χ^2/NDF:1135253.9/25

All: 103.063+/-0.015 χ^2/NDF: 1942912.9/46



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1039.006+/-334.129 χ^2/NDF:16.6/6

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 490.563+/-369.747 χ^2/NDF:3.1/4

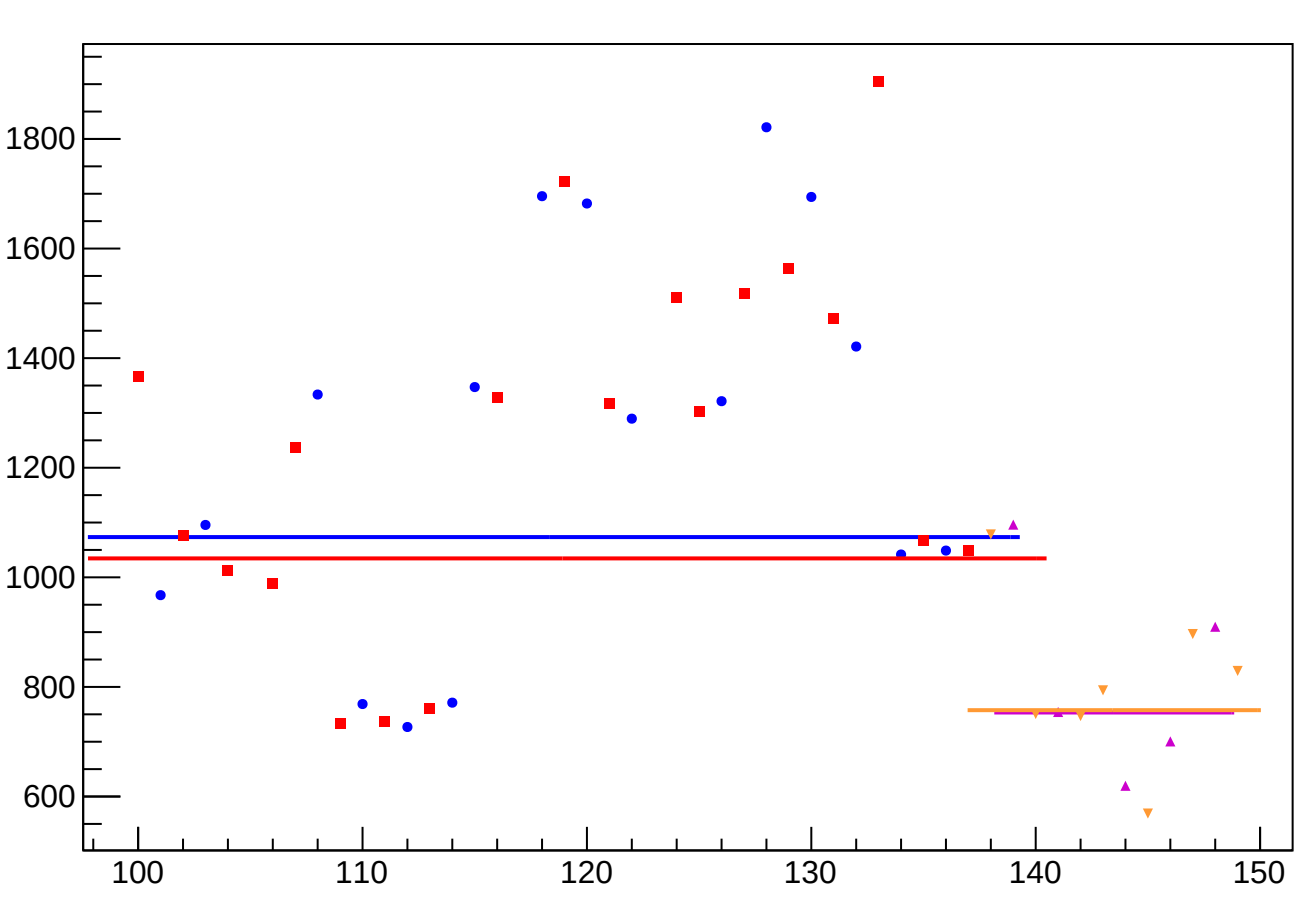
Left: -351.423+/-247.903 χ^2/NDF: 29.2/11

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 156.784+/-276.673 χ^2/NDF:28.4/20

Out: -217.934+/-255.434 χ^2/NDF:44.3/25

All: -45.509+/-187.679 χ^2/NDF: 73.7/46



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 757.575+/-0.236 χ^2/NDF:369087.2/6

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 753.340+/-0.261 χ^2/NDF:305456.6/4

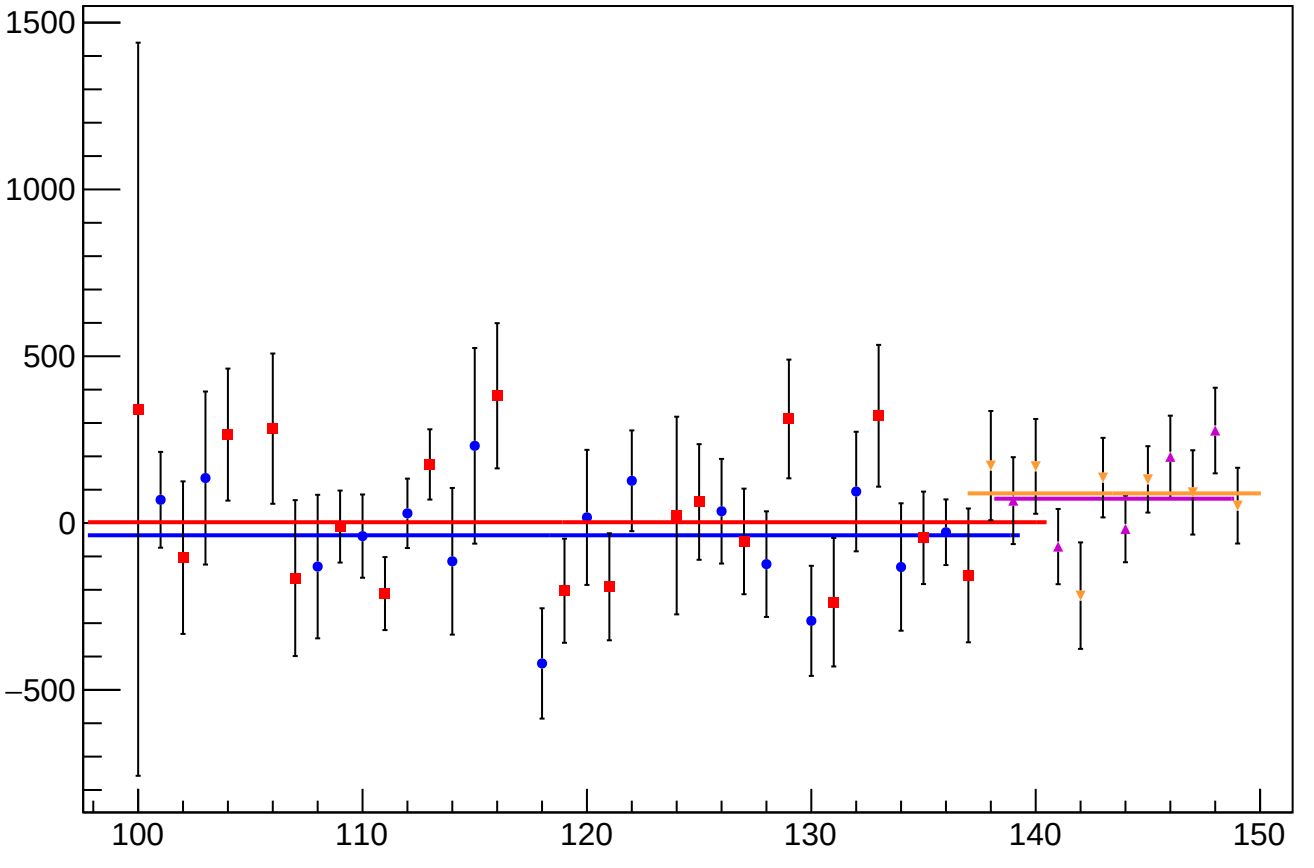
Left: 755.671+/-0.175 χ^2/NDF: 674688.3/11

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 894.217+/-0.196 χ^2/NDF:2042247.8/20

Out: 872.673+/-0.181 χ^2/NDF:2169497.7/25

All: 882.586+/-0.133 χ^2/NDF: 4218291.9/46



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 88.956+/-47.796 χ^2/NDF:4.7/6

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 73.027+/-52.406 χ^2/NDF:6.0/4

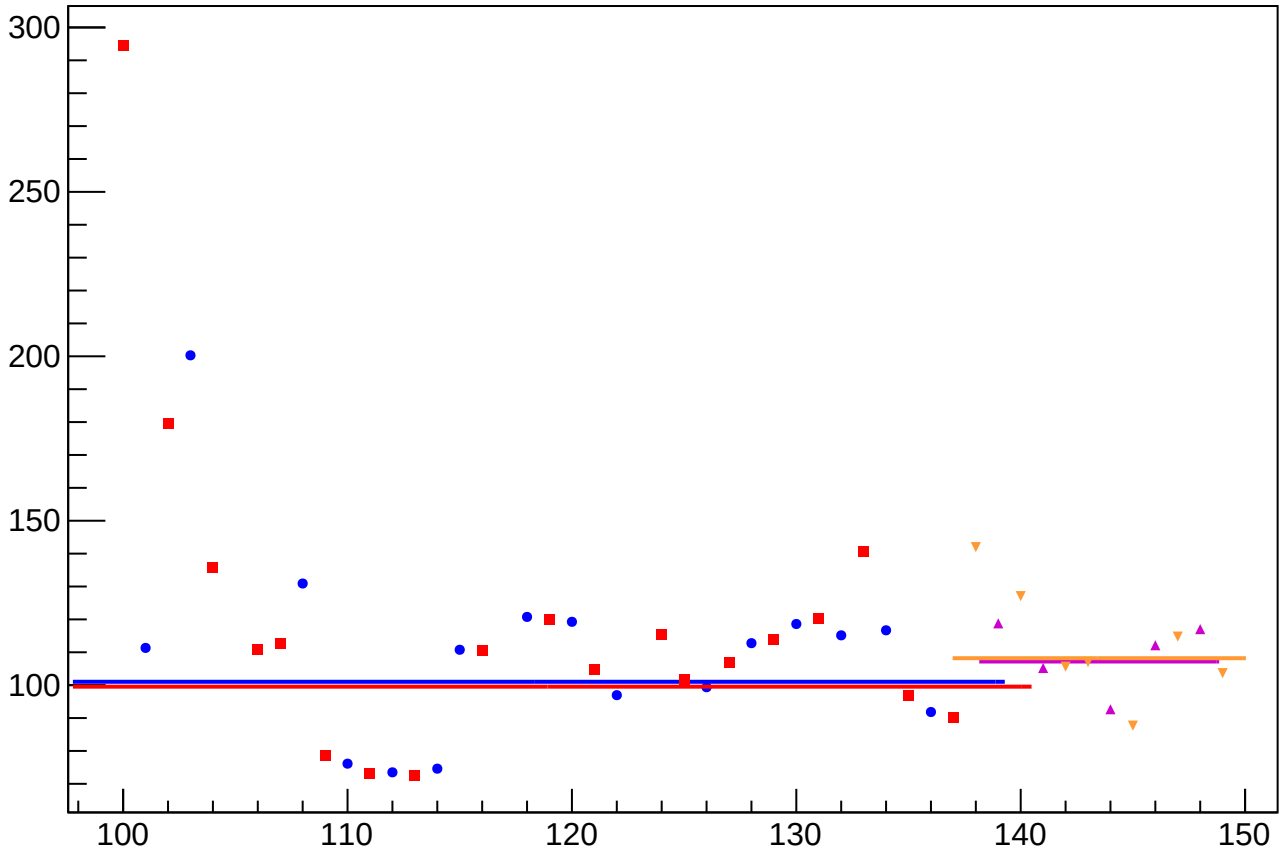
Left: 81.723+/-35.314 χ^2/NDF: 10.8/11

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 2.469+/-31.282 χ^2/NDF:21.7/20

Out: 36.202+/-29.824 χ^2/NDF:31.4/25

All: 20.140+/-21.586 χ^2/NDF: 53.8/46



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.196+/-0.034 χ^2/NDF:214761.6/6

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: 107.742+/-0.025 χ^2/NDF: 288807.7/11

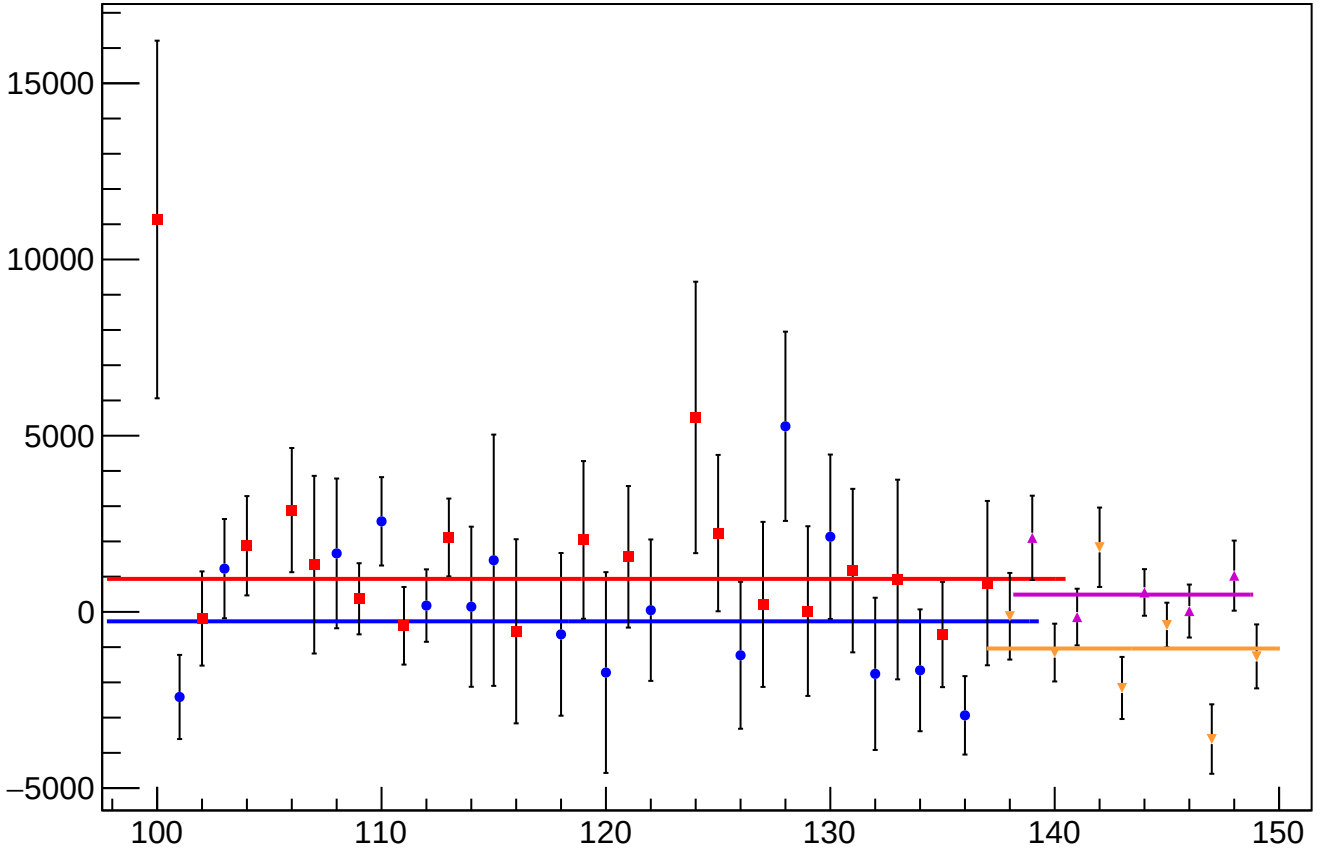
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.228+/-0.022 χ^2/NDF:807551.9/20

Out: 102.915+/-0.021 χ^2/NDF:1135251.6/25

All: 103.064+/-0.015 χ^2/NDF: 1942908.3/46

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: -1039.007+/-334.129 χ^2/NDF:16.6/6

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: -351.424+/-247.903 χ^2/NDF: 29.2/11

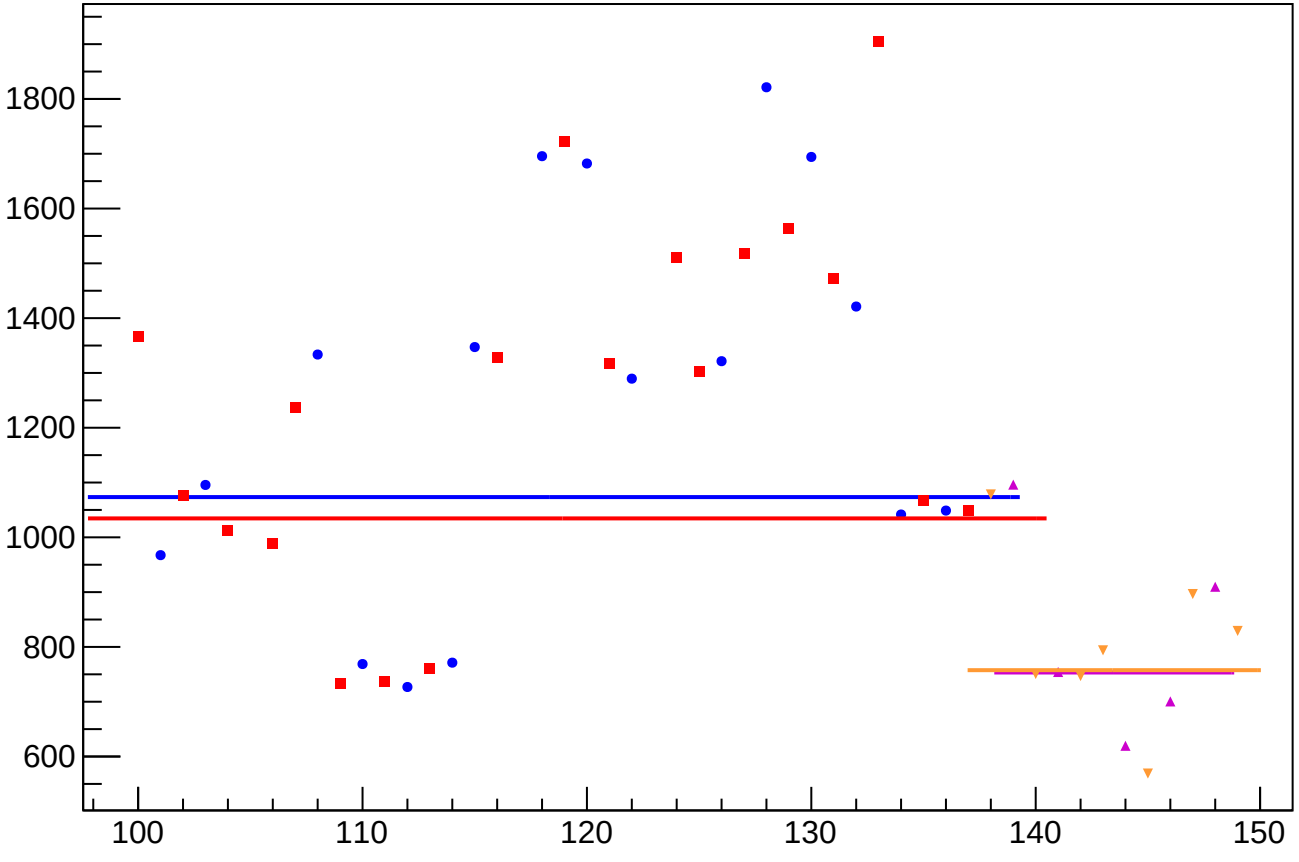
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 156.784+/-276.673 χ^2/NDF:28.4/20

Out: -217.935+/-255.433 χ^2/NDF:44.3/25

All: -45.509+/-187.679 χ^2/NDF: 73.7/46

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: 757.574+/-0.236 χ^2/NDF:369090.5/6

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: 755.670+/-0.175 χ^2/NDF: 674692.4/11

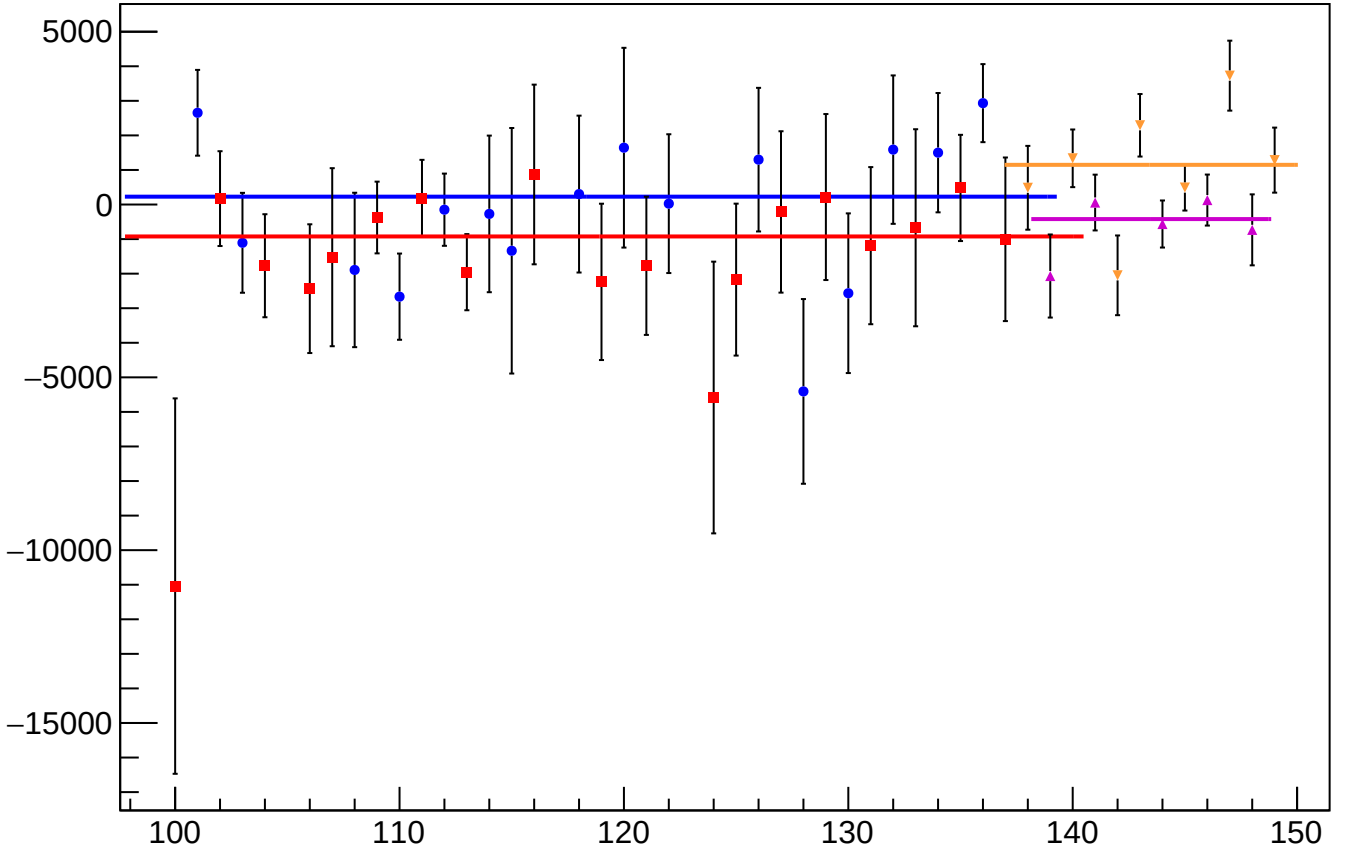
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 894.216+/-0.196 χ^2/NDF:2042251.2/20

Out: 872.672+/-0.181 χ^2/NDF:2169503.1/25

All: 882.585+/-0.133 χ^2/NDF: 4218300.8/46

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1148.358+/-343.809 χ^2/NDF:17.1/6

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: 428.431+/-252.935 χ^2/NDF: 29.6/11

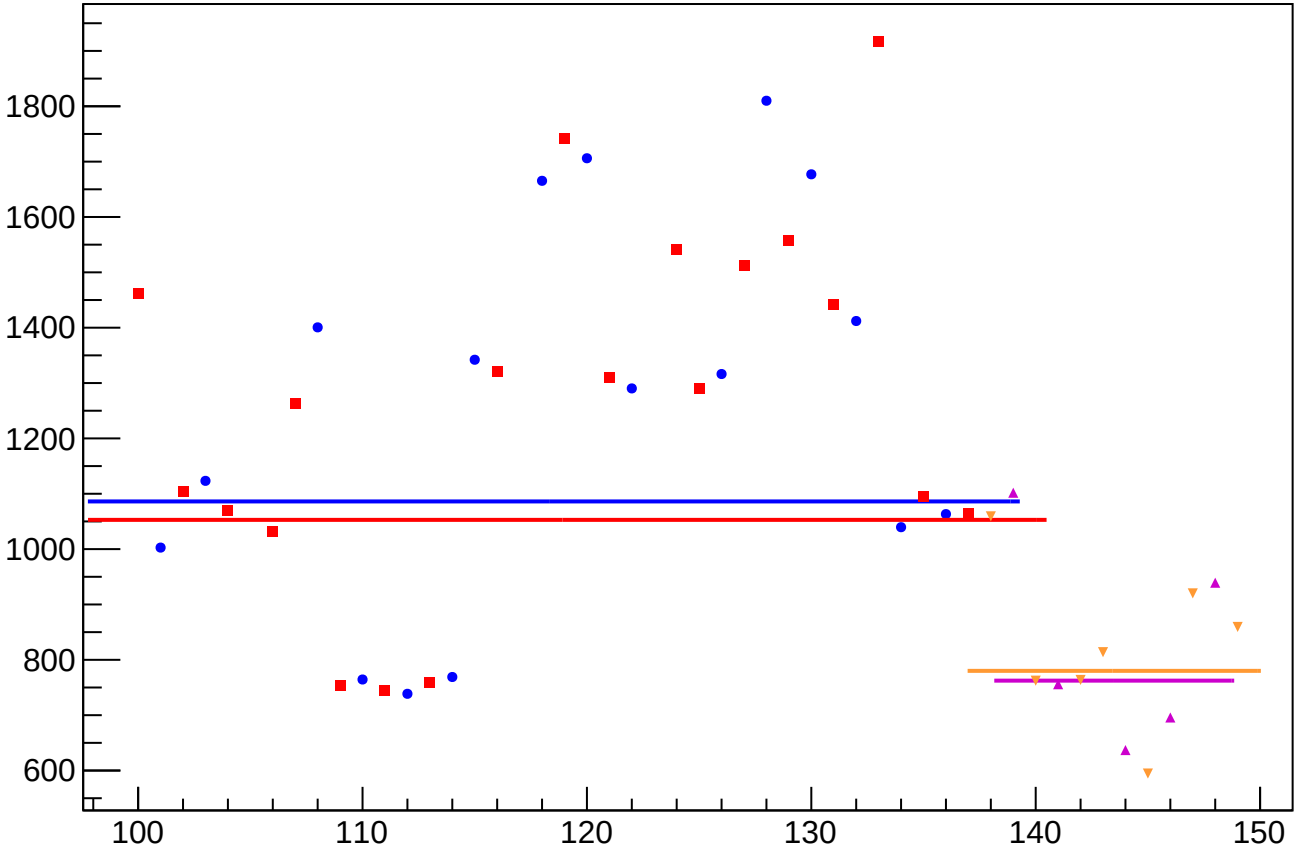
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -136.020+/-279.612 χ^2/NDF:28.7/20

Out: 275.807+/-261.586 χ^2/NDF:43.6/25

All: 83.595+/-191.024 χ^2/NDF: 73.5/46

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 780.067+/-0.243 χ^2/NDF:318215.5/6

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 762.401+/-0.264 χ^2/NDF:303200.2/4

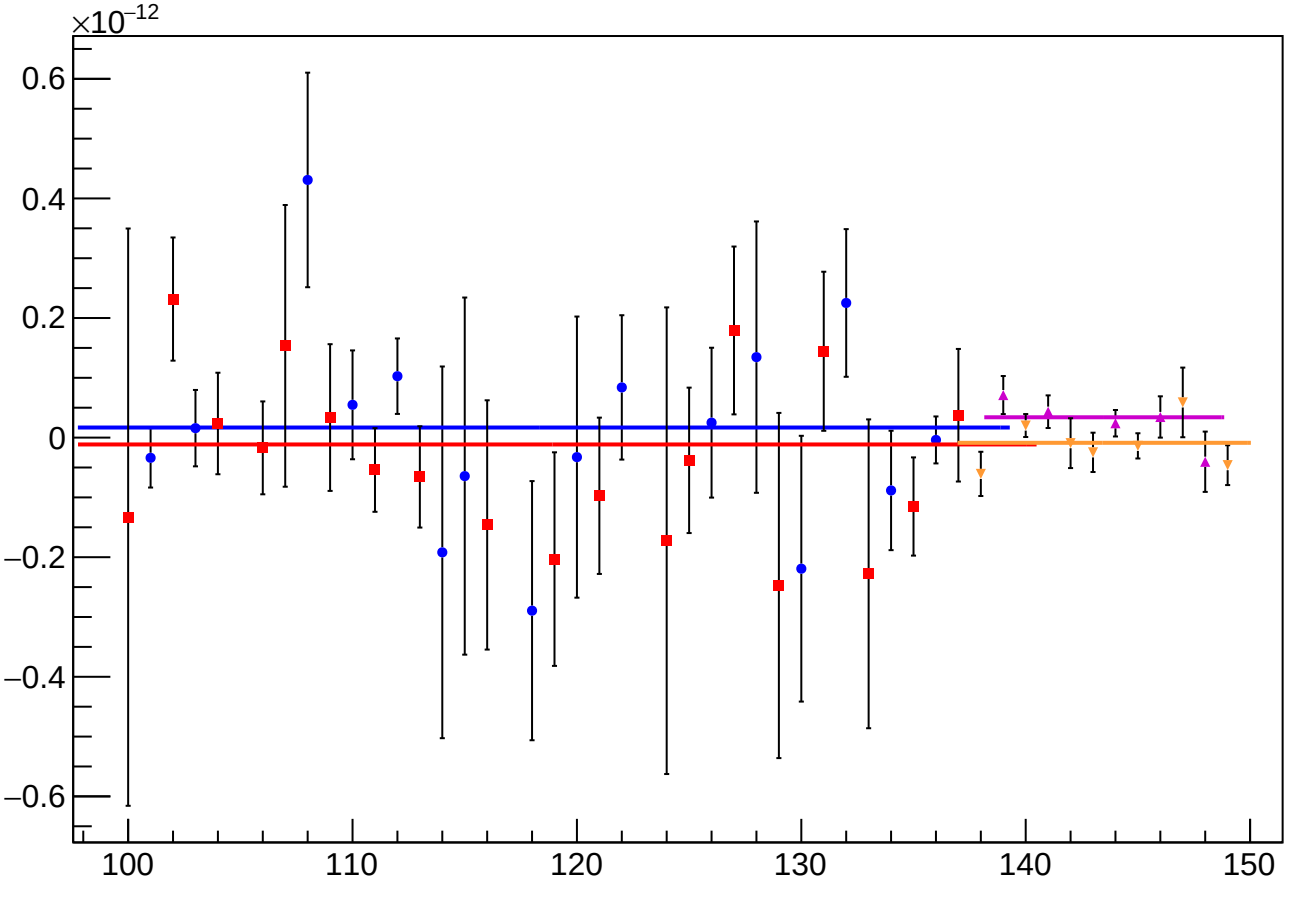
Left: 771.962+/-0.179 χ^2/NDF: 623838.3/11

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 904.637+/-0.198 χ^2/NDF:2011081.1/20

Out: 894.931+/-0.185 χ^2/NDF:2042748.9/25

All: 899.461+/-0.135 χ^2/NDF: 4055115.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/4

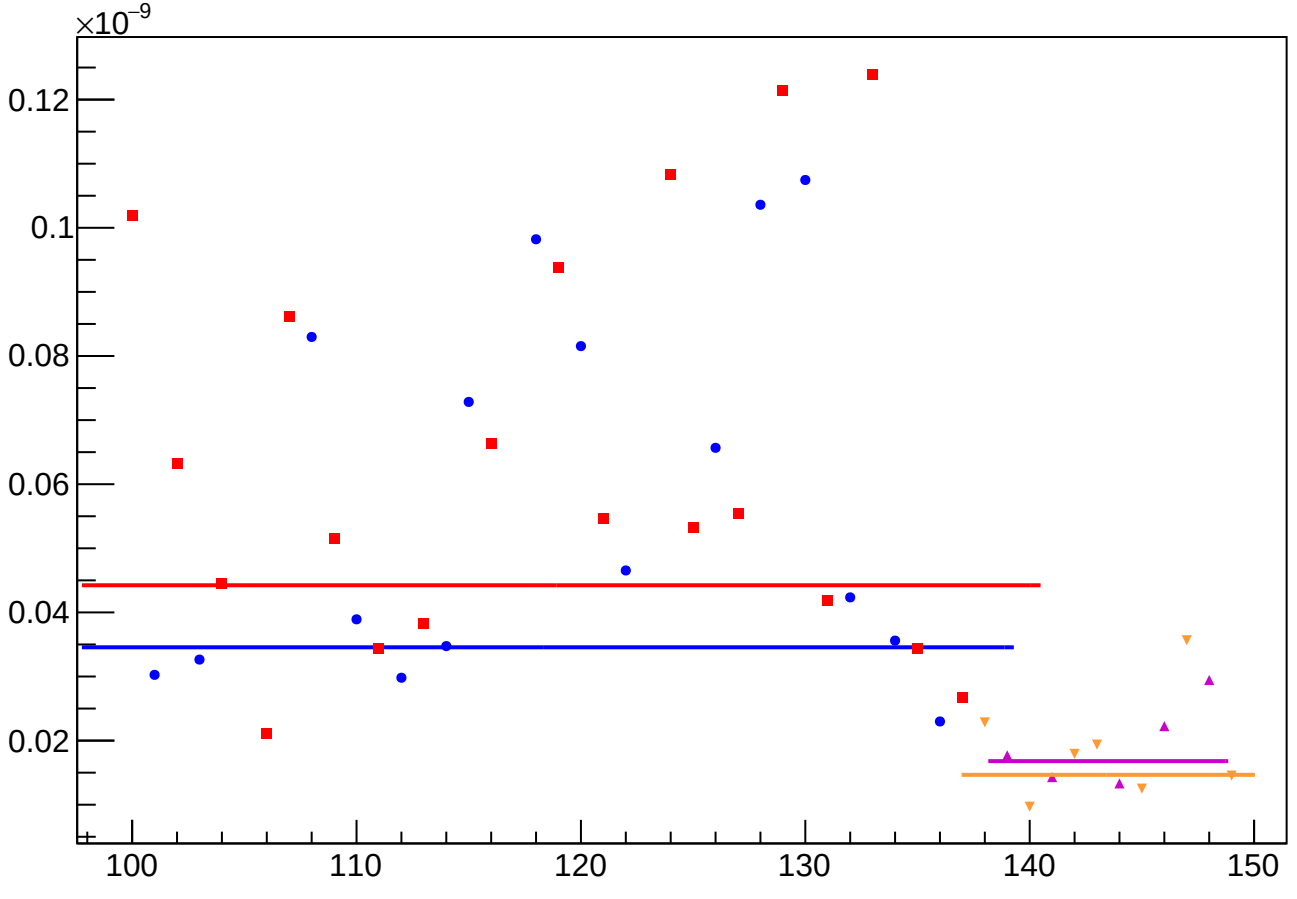
Left: 0.000+/-0.000 χ^2/NDF: 17.1/11

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:23.0/25

All: 0.000+/-0.000 χ^2/NDF: 50.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:566103.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:243691.3/4

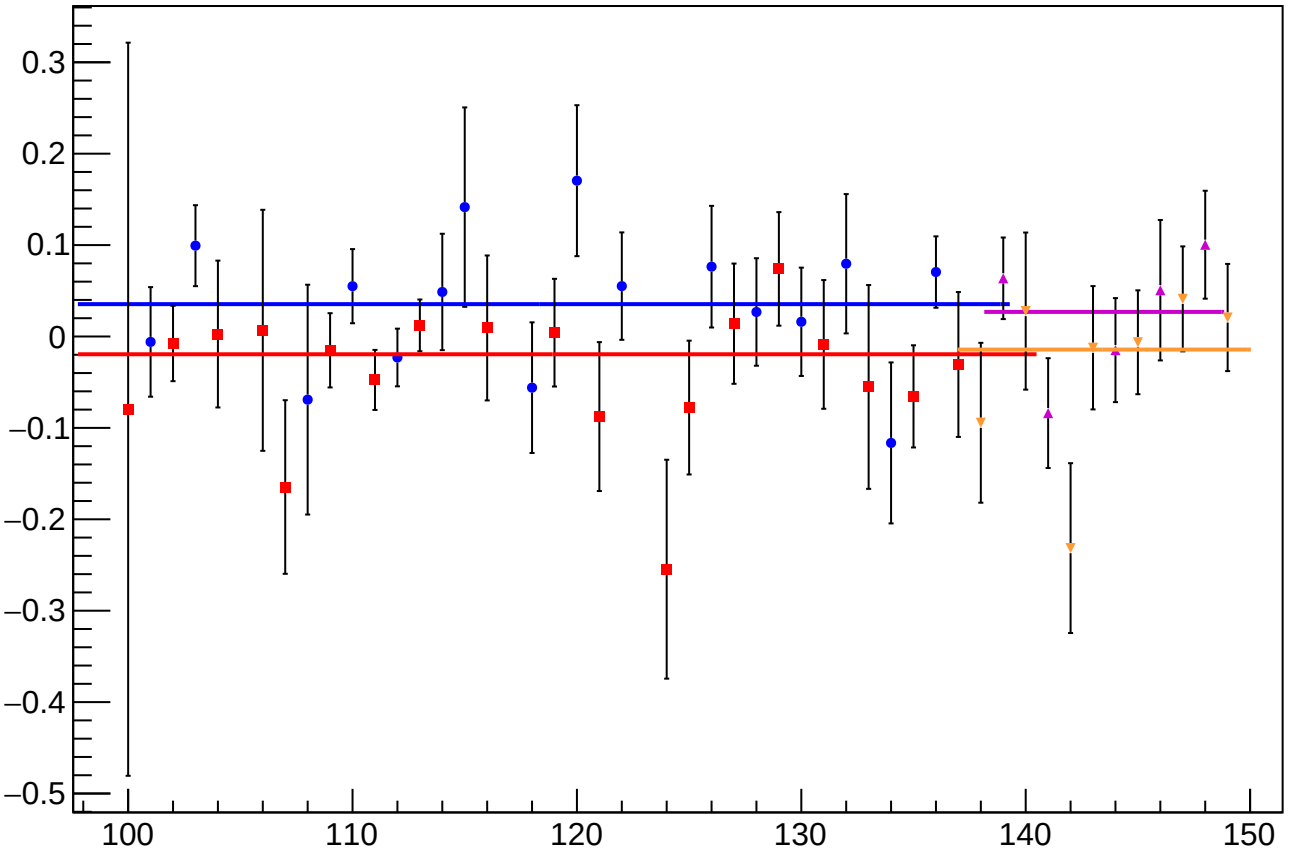
Left: 0.000+/-0.000 χ^2/NDF: 840539.1/11

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:3715153.0/25

All: 0.000+/-0.000 χ^2/NDF: 6178230.5/46



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.014+/-0.026 χ^2/NDF:7.9/6

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

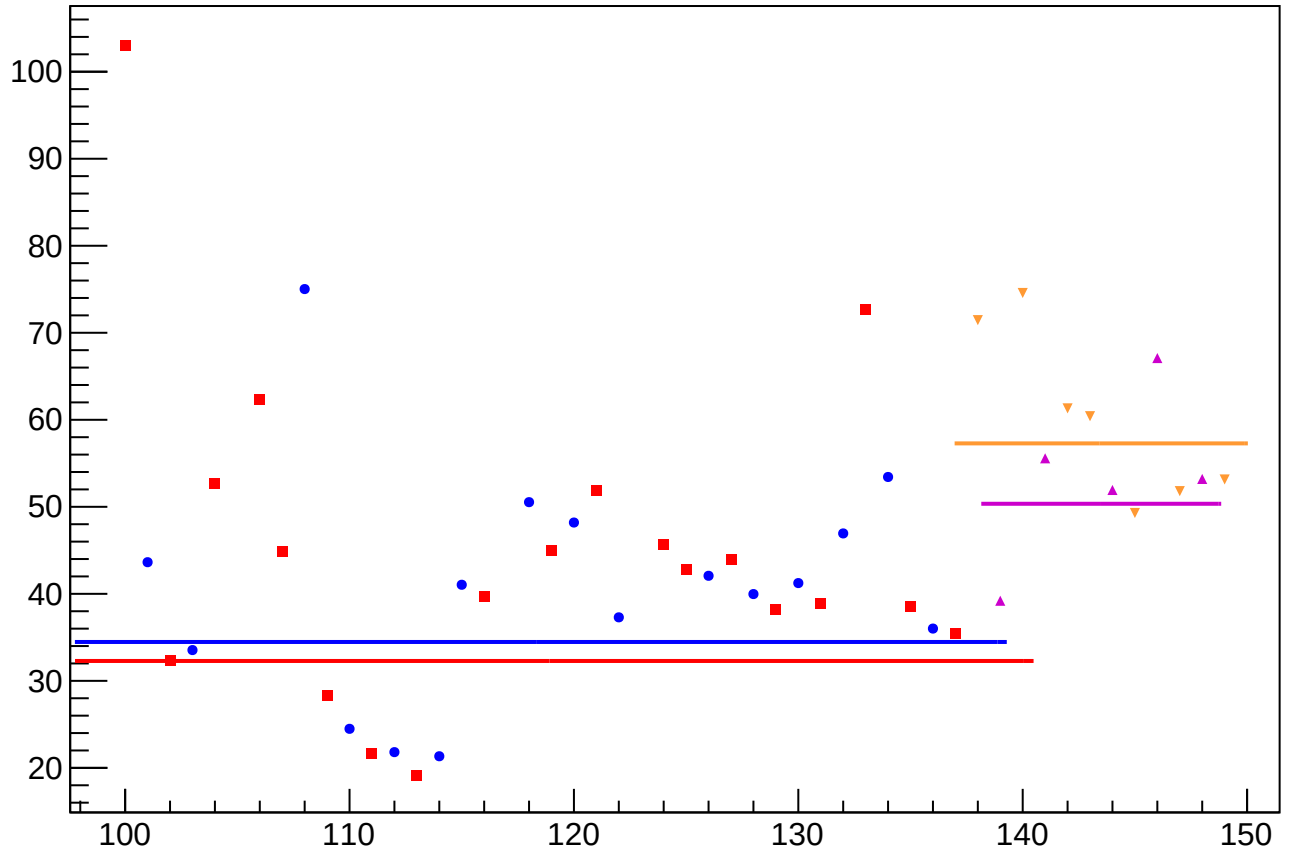
Left: 0.007+/-0.018 χ^2/NDF: 15.4/11

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.018+/-0.012 χ^2/NDF:21.3/25

All: 0.006+/-0.008 χ^2/NDF: 54.0/46



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 57.288+/-0.018 χ^2/NDF:209244.0/6

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

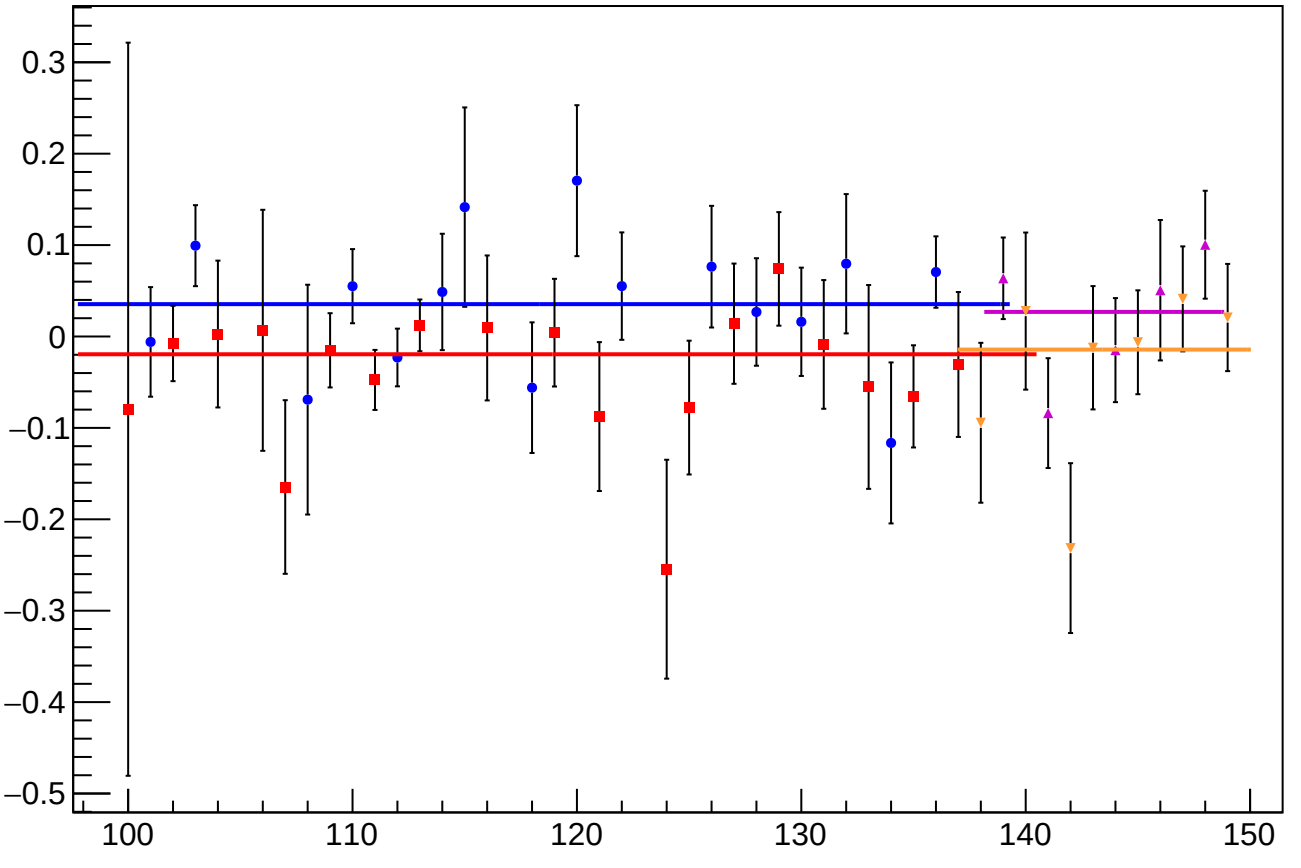
Left: 53.774+/-0.013 χ^2/NDF: 523729.6/11

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 38.114+/-0.009 χ^2/NDF:2012428.5/20

Out: 37.432+/-0.008 χ^2/NDF:3376566.0/25

All: 37.759+/-0.006 χ^2/NDF: 5392251.3/46



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.014+/-0.026 χ^2/NDF:7.9/6

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

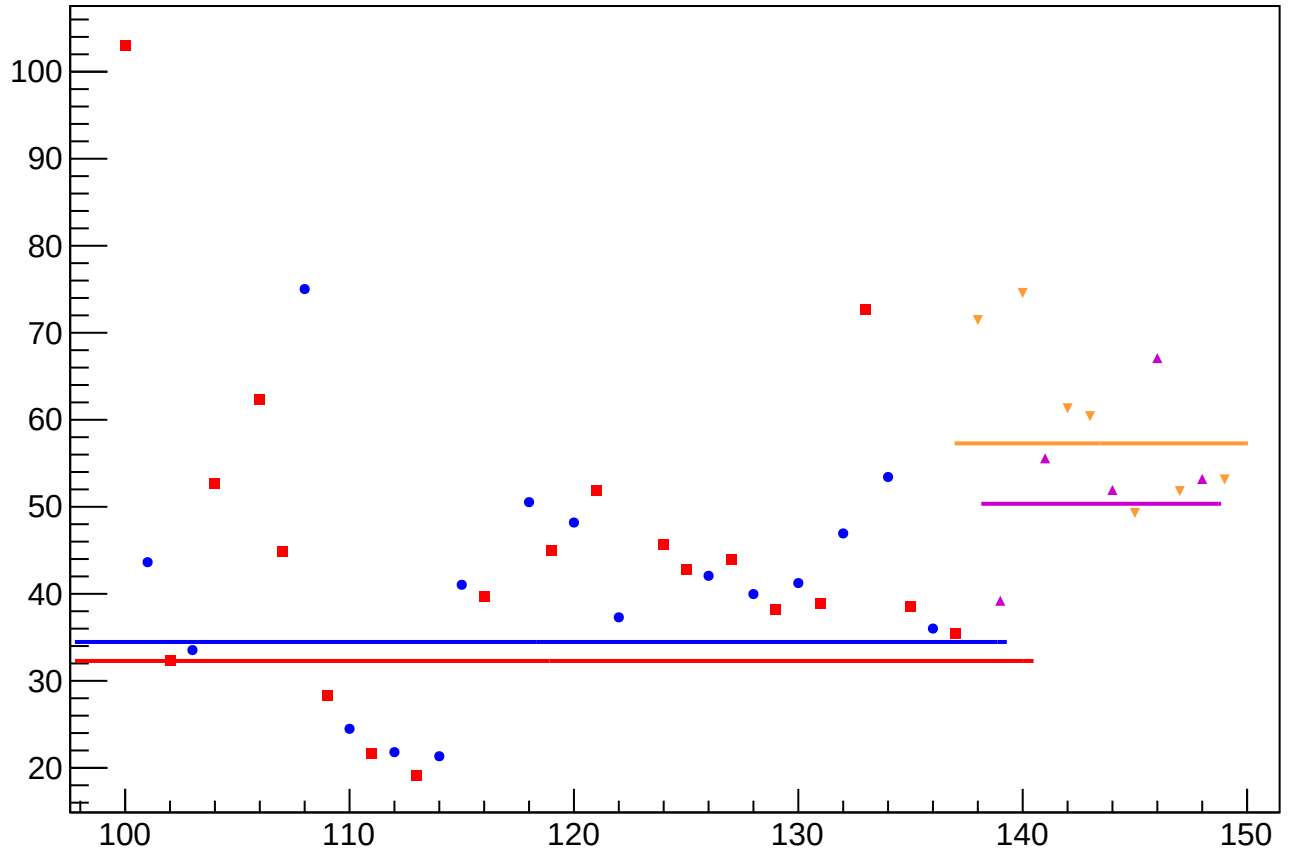
Left: 0.007+/-0.018 χ^2/NDF: 15.4/11

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.018+/-0.012 χ^2/NDF:21.3/25

All: 0.006+/-0.008 χ^2/NDF: 54.0/46



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 57.288+/-0.018 χ^2/NDF:209244.0/6

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.349+/-0.018 χ^2/NDF:241084.4/4

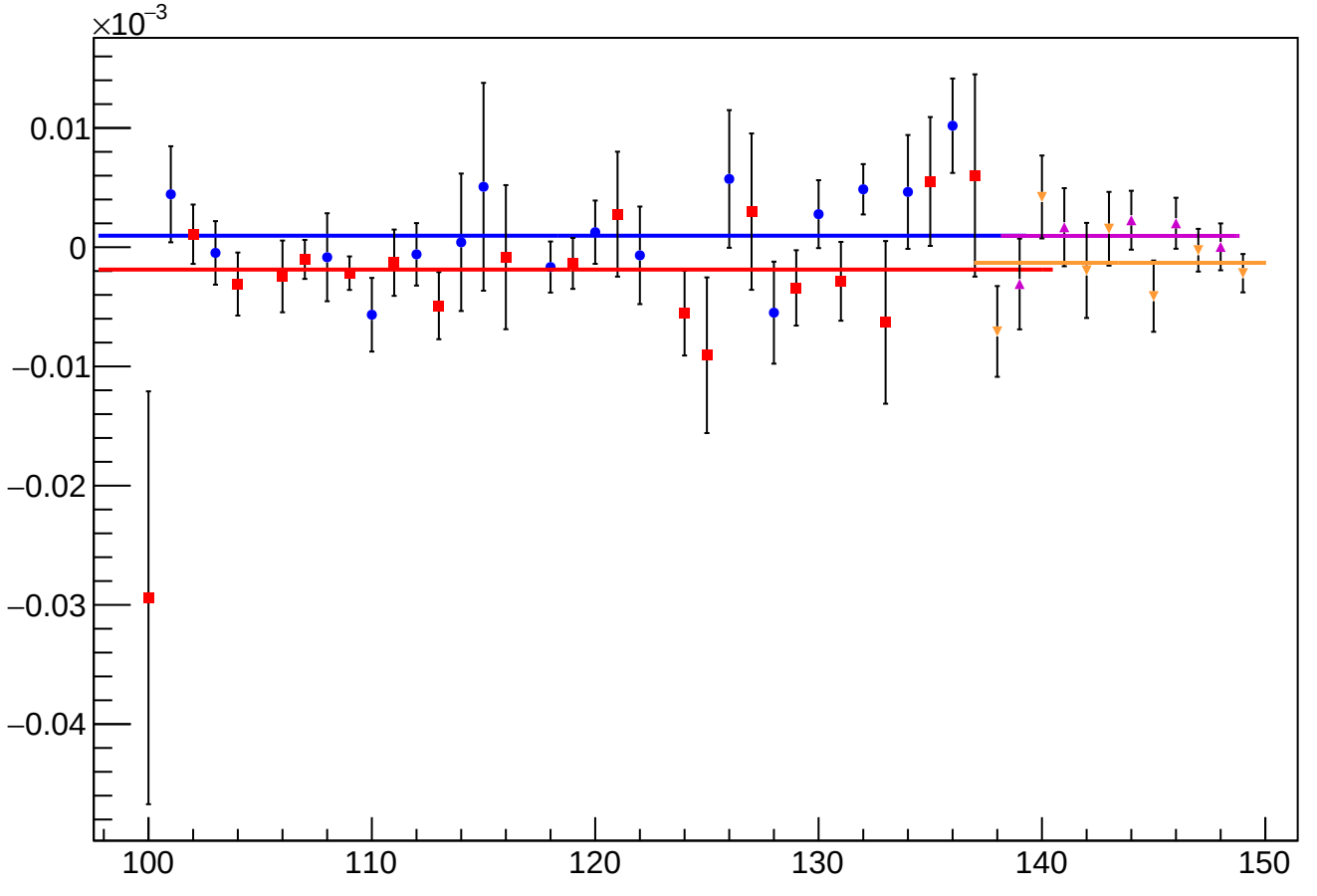
Left: 53.774+/-0.013 χ^2/NDF: 523729.6/11

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 38.114+/-0.009 χ^2/NDF:2012428.5/20

Out: 37.432+/-0.008 χ^2/NDF:3376566.0/25

All: 37.759+/-0.006 χ^2/NDF: 5392251.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

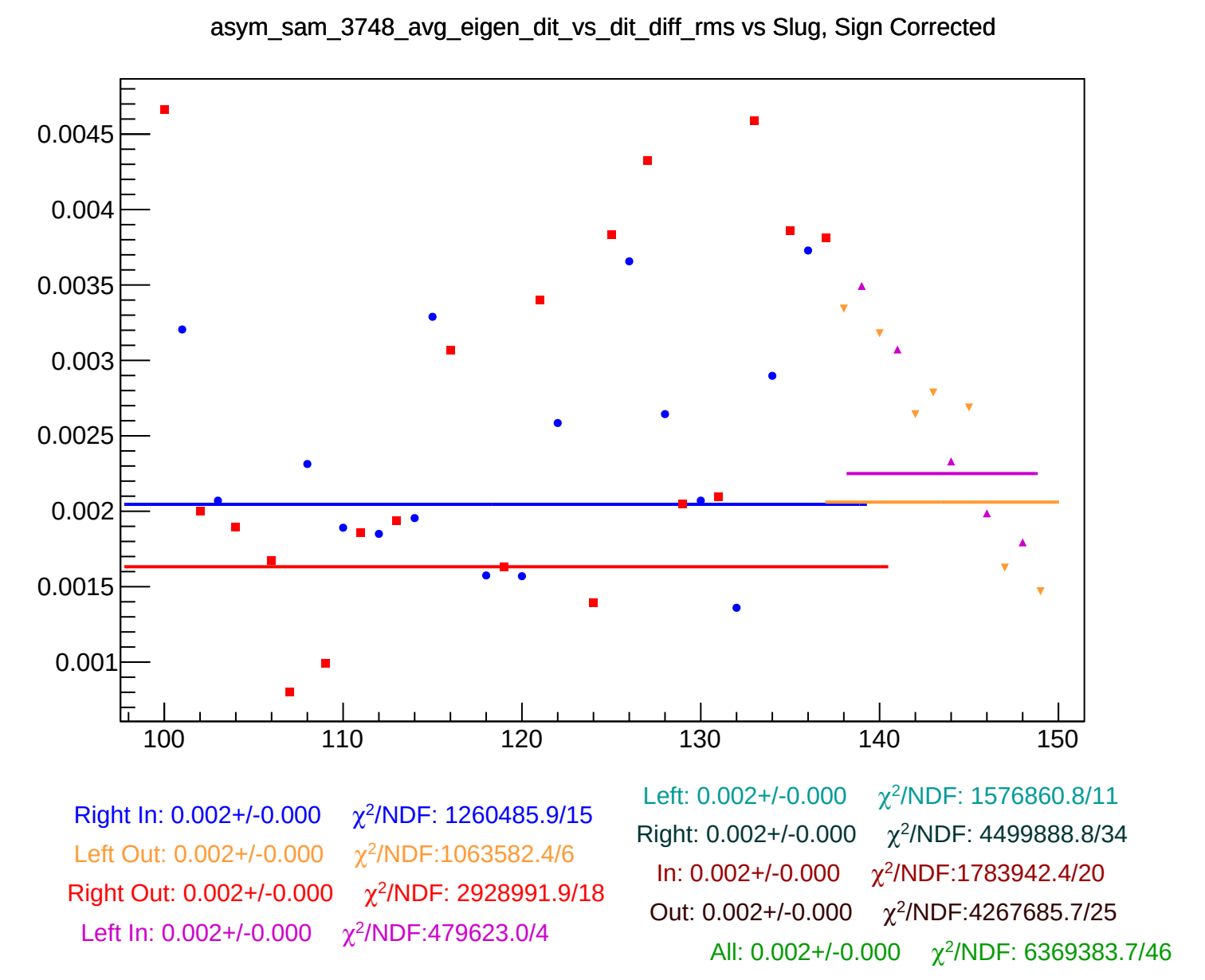
Left: -0.000+/-0.000 χ^2/NDF: 11.5/11

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:20.3/25

All: -0.000+/-0.000 χ^2/NDF: 52.8/46


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
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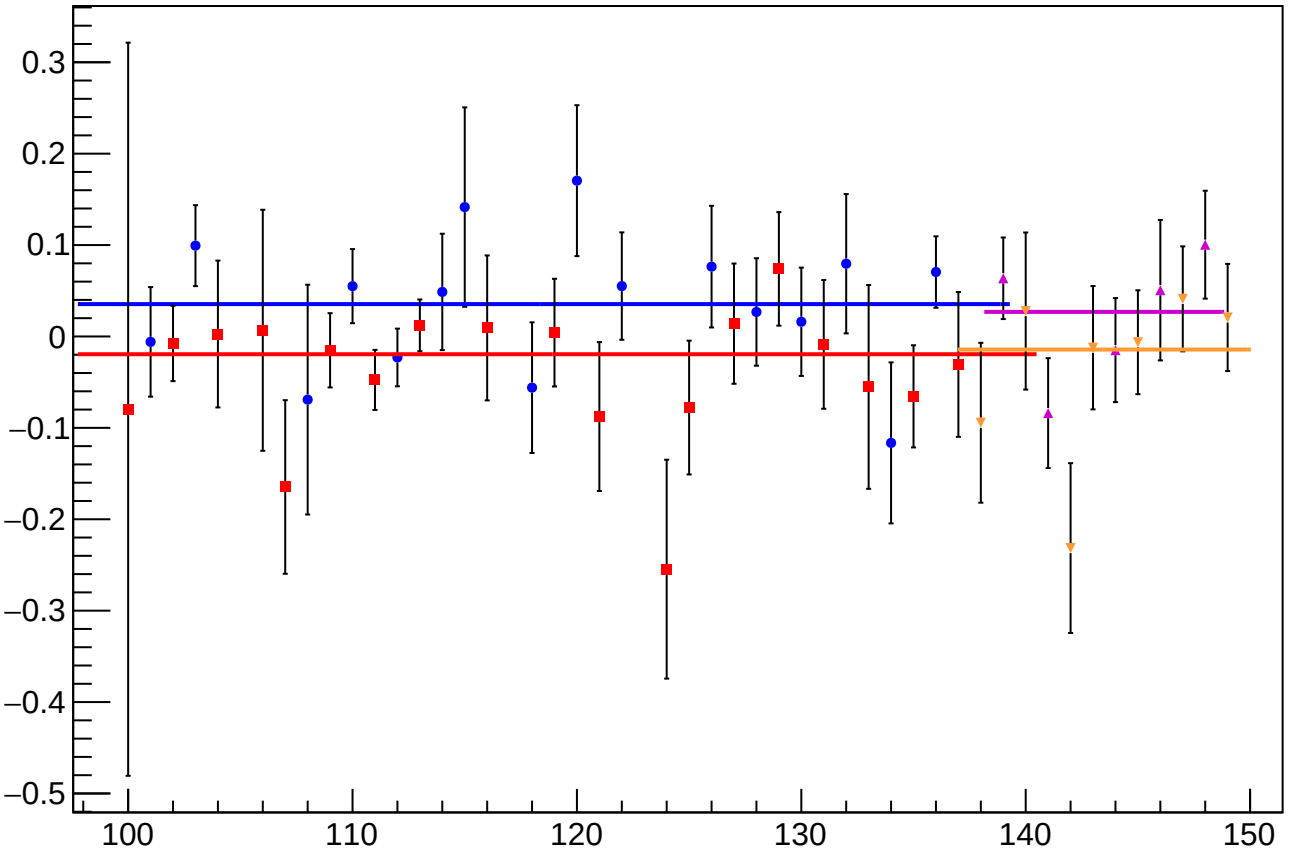
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1063582.4/6
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:479623.0/4
Left: 0.002+/-0.000 χ²/NDF: 1576860.8/11
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:1783942.4/20
Out: 0.002+/-0.000 χ²/NDF:4267685.7/25
All: 0.002+/-0.000 χ²/NDF: 6369383.7/46



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.014+/-0.026 χ^2/NDF:7.9/6

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

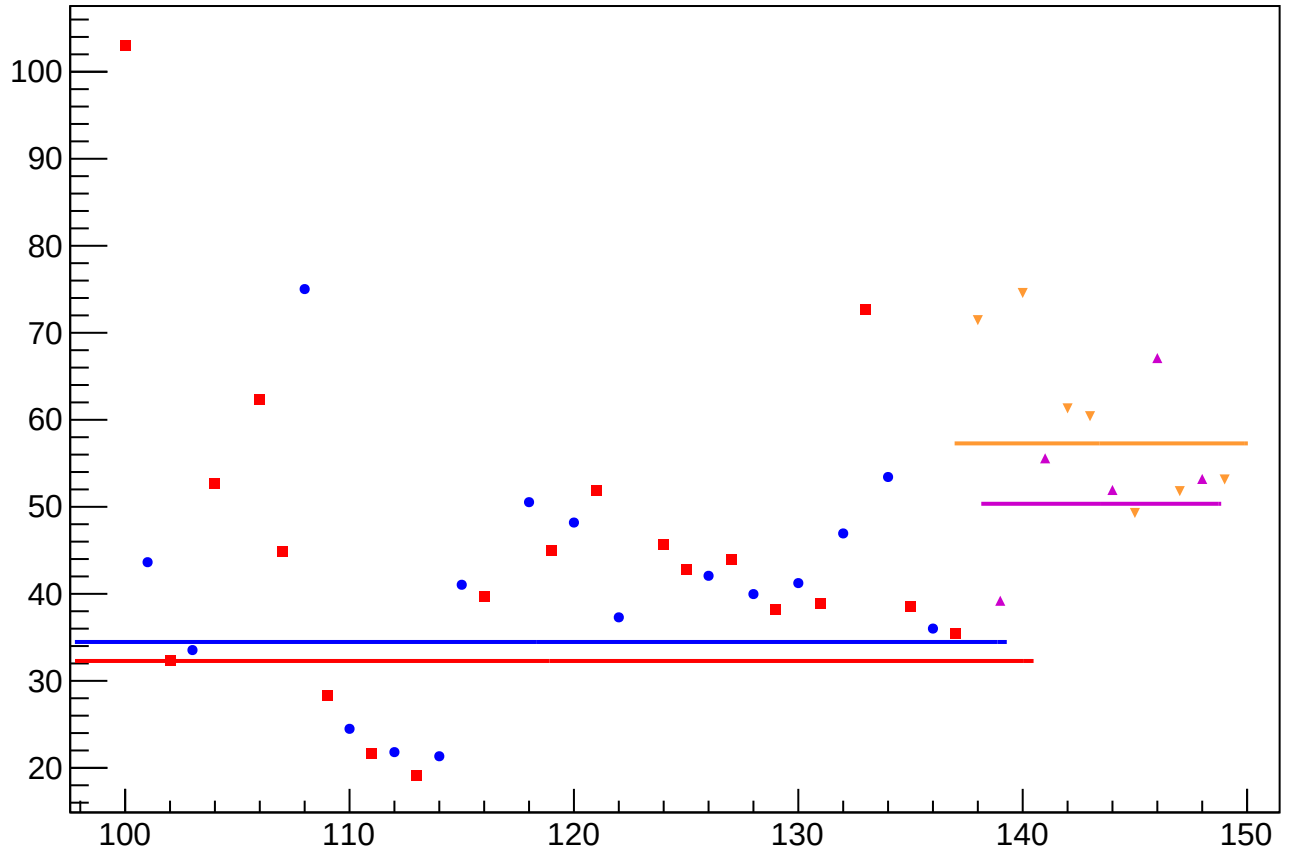
Left: 0.007+/-0.018 χ^2/NDF: 15.4/11

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.018+/-0.012 χ^2/NDF:21.3/25

All: 0.006+/-0.008 χ^2/NDF: 54.0/46



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 57.289+/-0.018 χ^2/NDF:209233.0/6

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 50.350+/-0.018 χ^2/NDF:241107.1/4

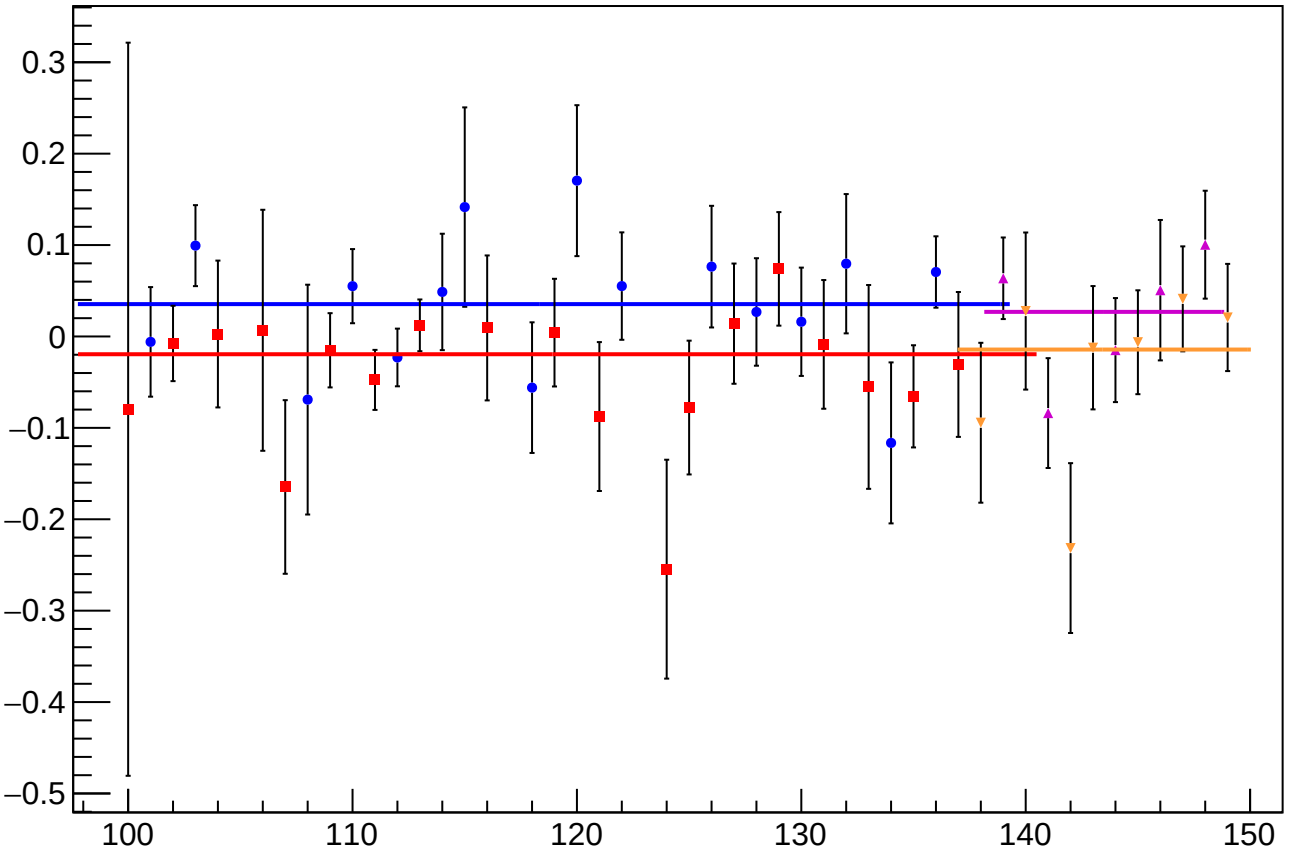
Left: 53.775+/-0.013 χ^2/NDF: 523747.7/11

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 38.114+/-0.009 χ^2/NDF:2012396.2/20

Out: 37.433+/-0.008 χ^2/NDF:3376530.8/25

All: 37.759+/-0.006 χ^2/NDF: 5392182.9/46



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.014+/-0.026 χ^2/NDF:7.9/6

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.027+/-0.025 χ^2/NDF:6.3/4

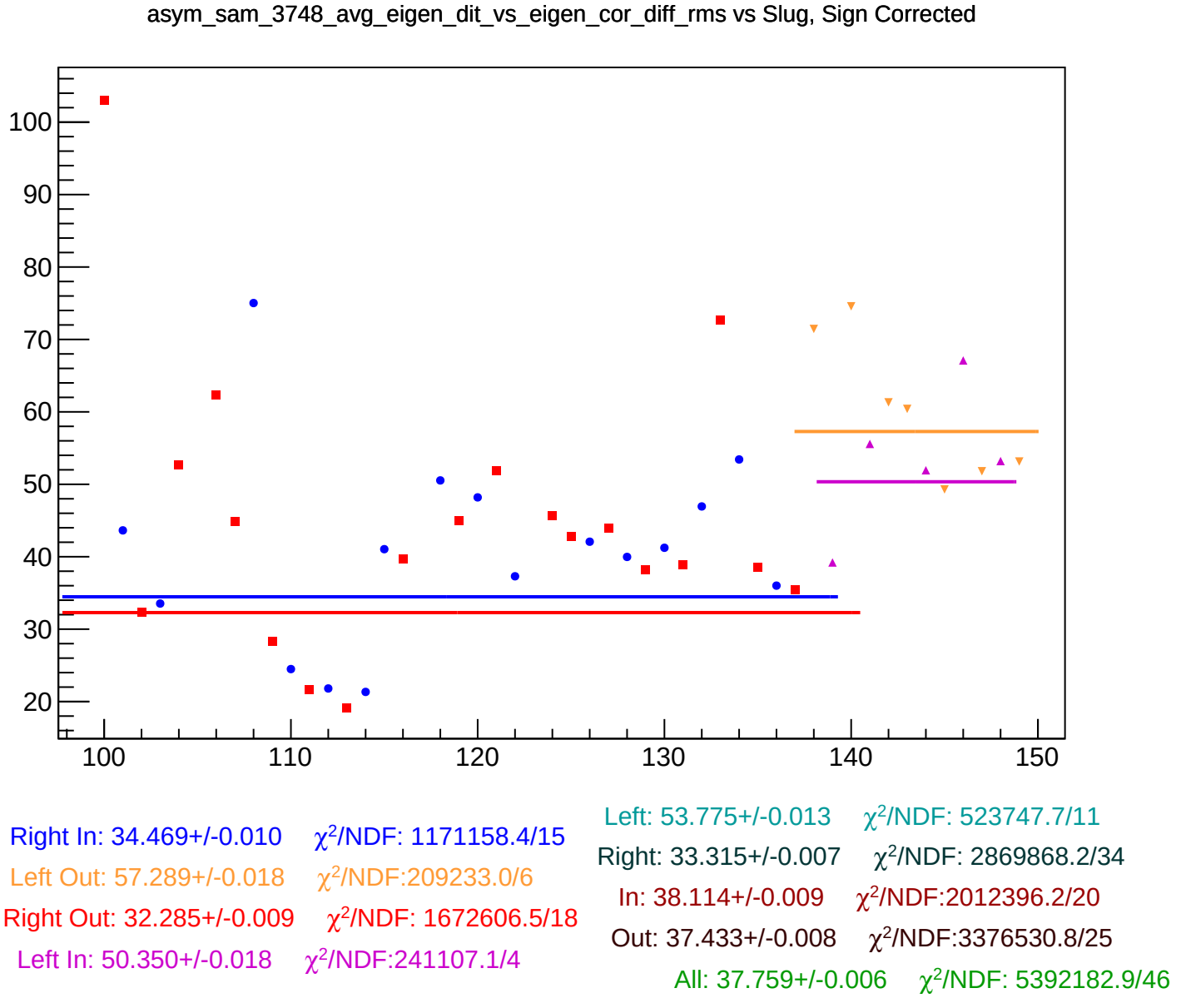
Left: 0.007+/-0.018 χ^2/NDF: 15.4/11

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.033+/-0.012 χ^2/NDF:23.3/20

Out: -0.018+/-0.012 χ^2/NDF:21.3/25

All: 0.006+/-0.008 χ^2/NDF: 54.0/46


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
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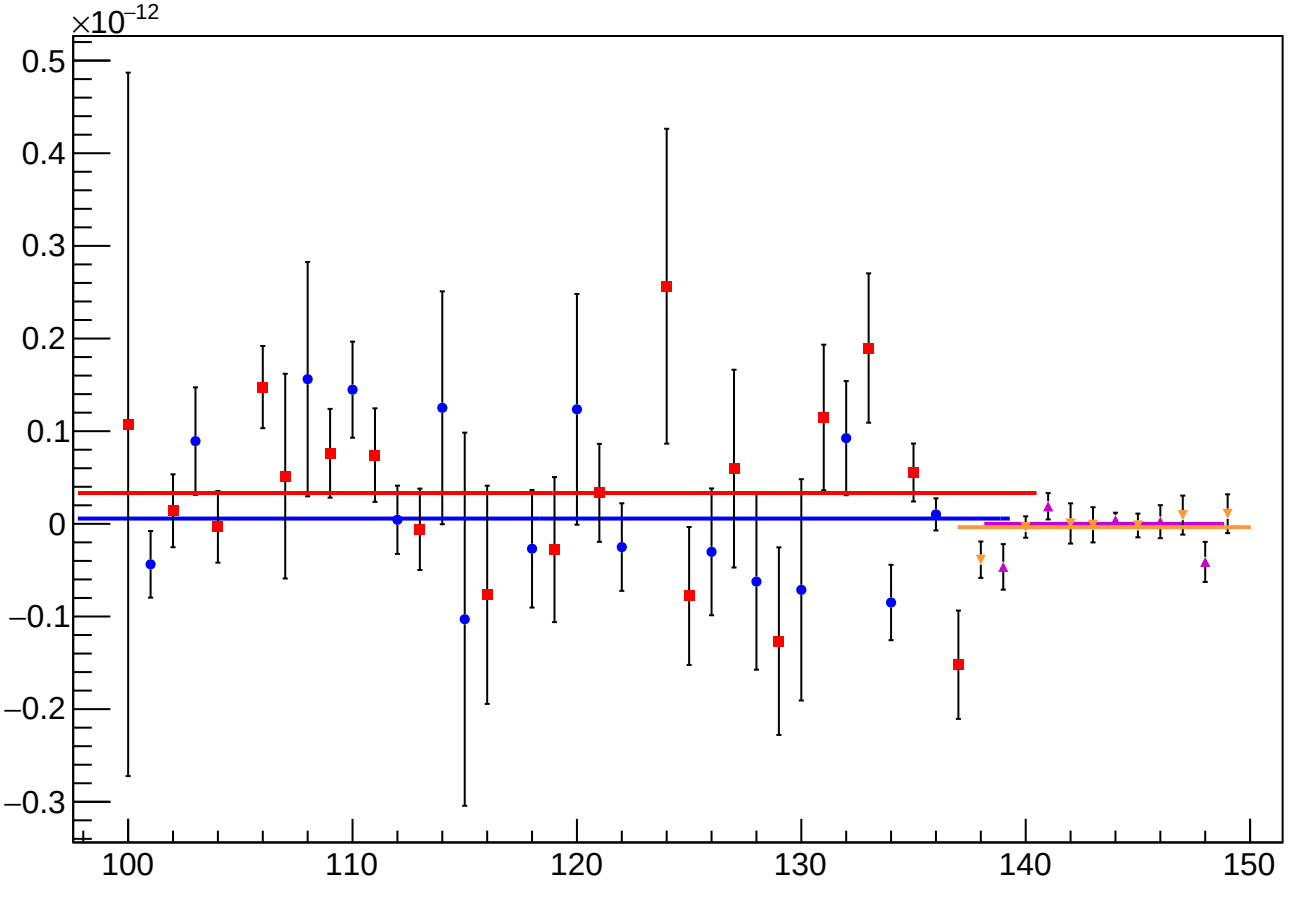
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 57.289+/-0.018 χ²/NDF:209233.0/6
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 50.350+/-0.018 χ²/NDF:241107.1/4
Left: 53.775+/-0.013 χ²/NDF: 523747.7/11
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 38.114+/-0.009 χ²/NDF:2012396.2/20
Out: 37.433+/-0.008 χ²/NDF:3376530.8/25
All: 37.759+/-0.006 χ²/NDF: 5392182.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/4

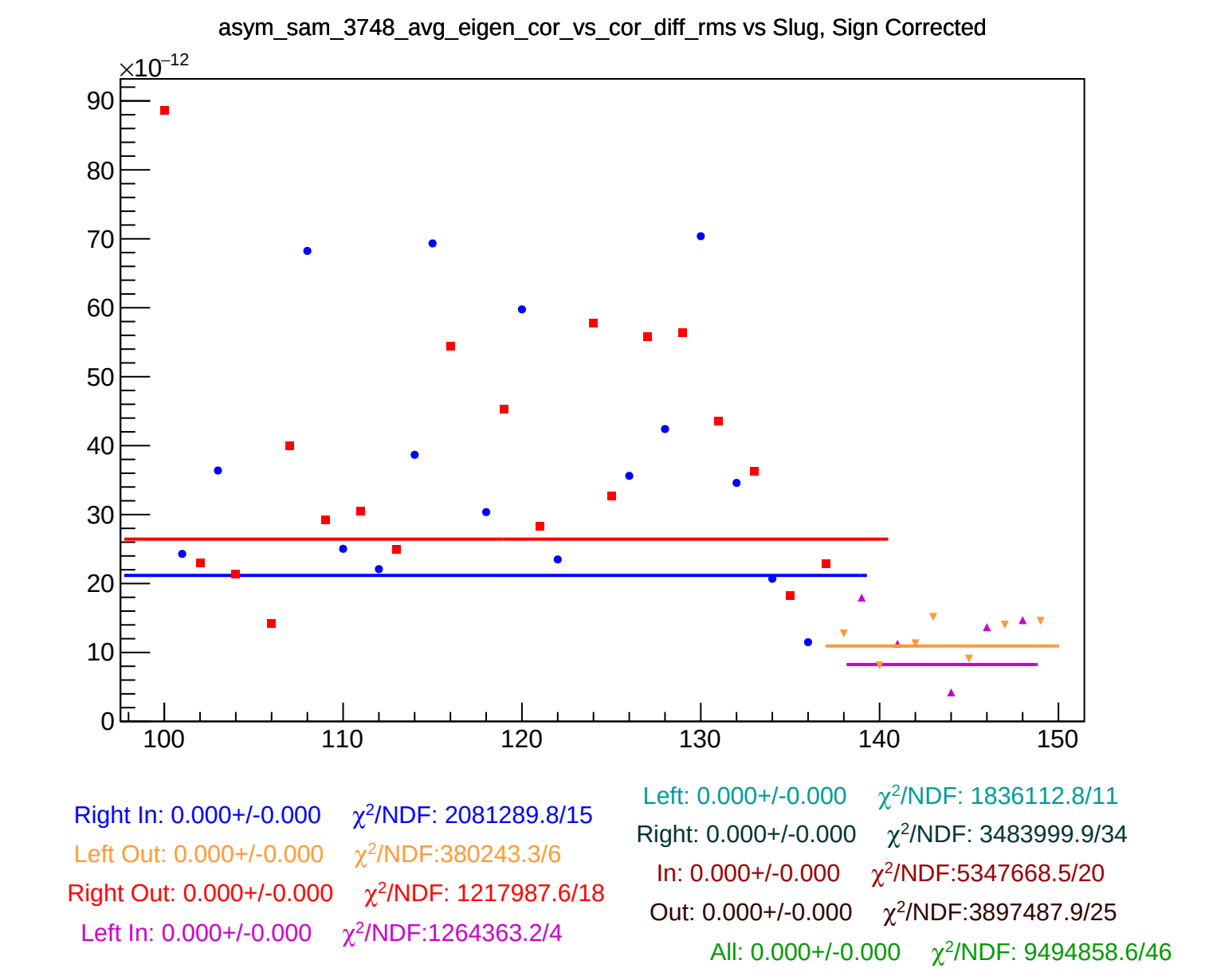
Left: -0.000+/-0.000 χ^2/NDF: 13.5/11

Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:33.0/20

Out: 0.000+/-0.000 χ^2/NDF:44.1/25

All: 0.000+/-0.000 χ^2/NDF: 77.2/46


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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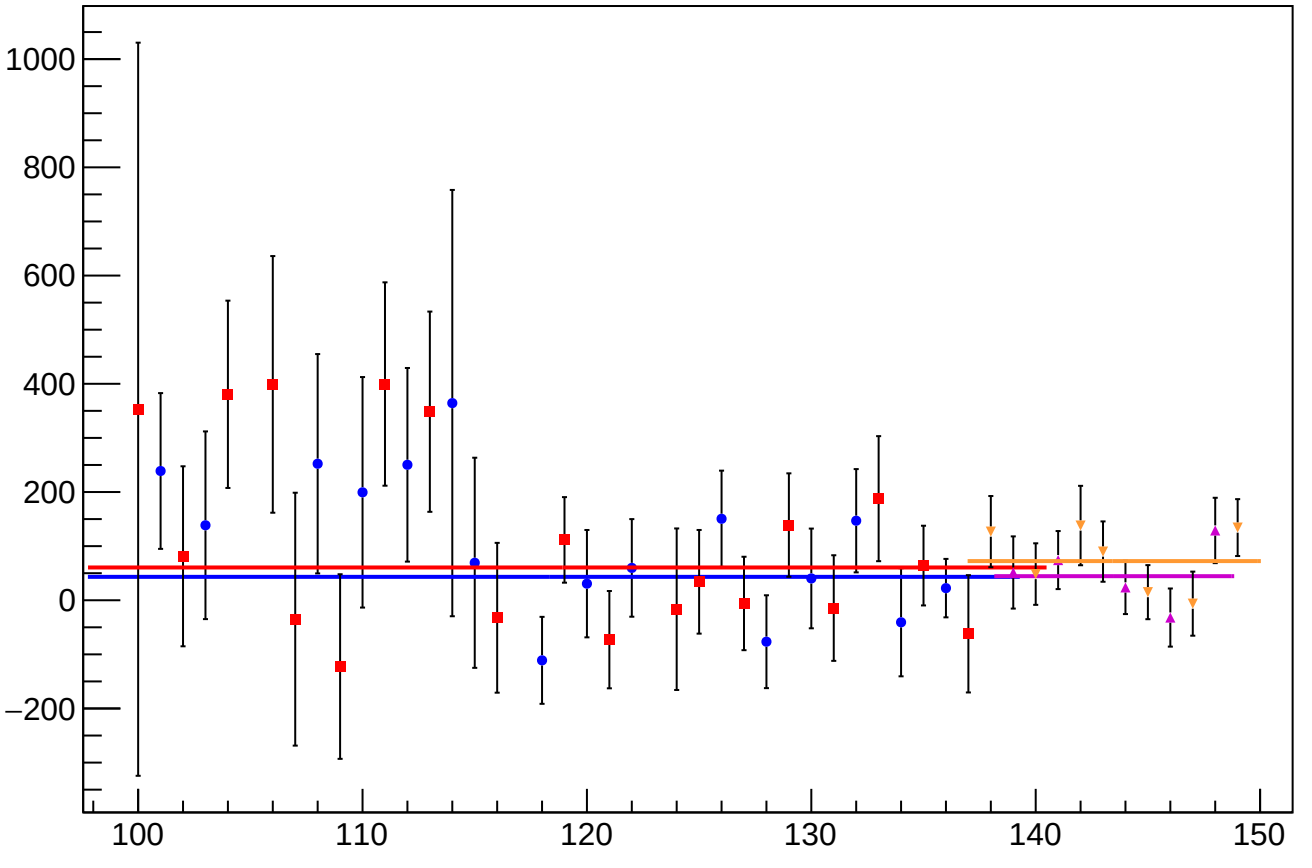
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:380243.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1264363.2/4
Left: 0.000+/-0.000 χ²/NDF: 1836112.8/11
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5347668.5/20
Out: 0.000+/-0.000 χ²/NDF:3897487.9/25
All: 0.000+/-0.000 χ²/NDF: 9494858.6/46



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.366+/-21.843 χ^2/NDF:6.2/6

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 44.496+/-24.963 χ^2/NDF:4.5/4

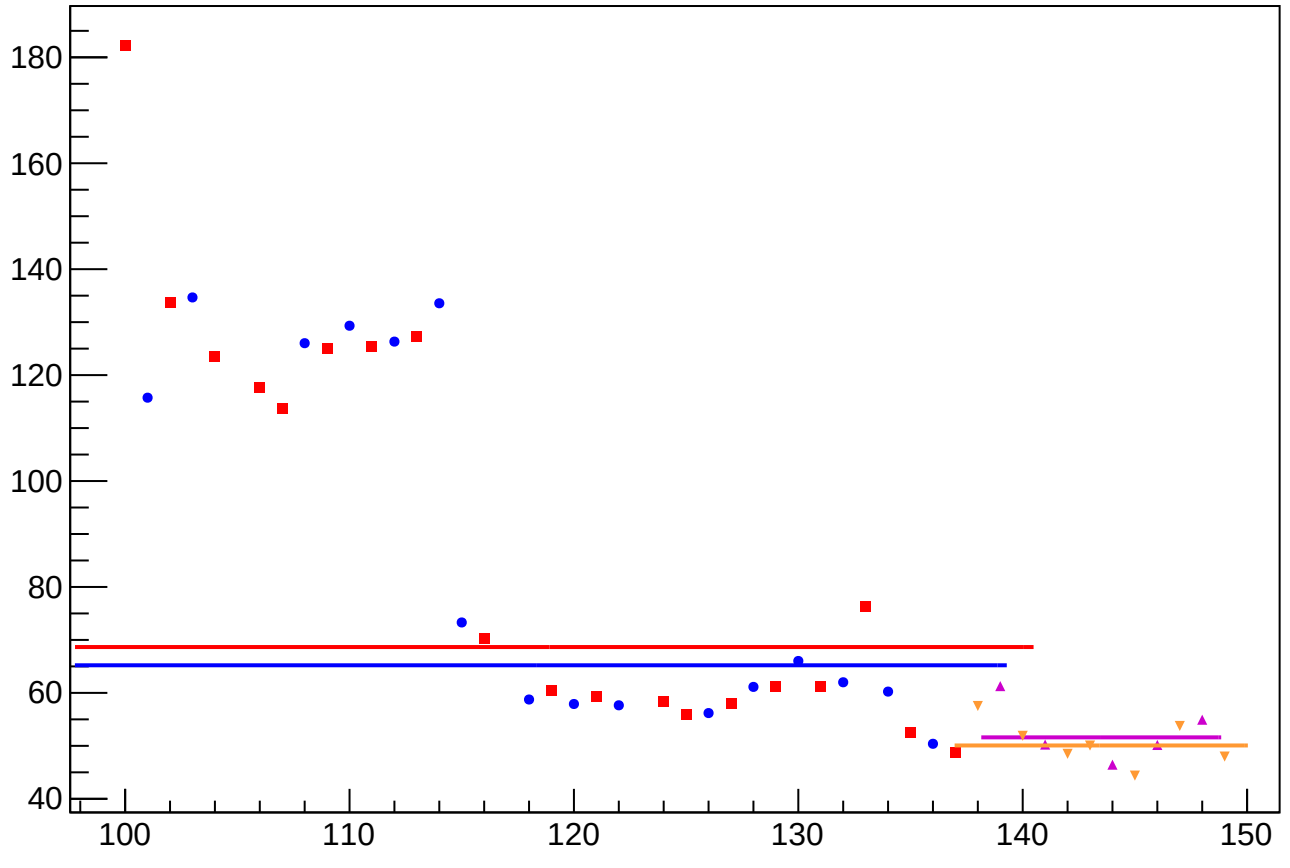
Left: 60.280+/-16.439 χ^2/NDF: 11.4/11

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 43.892+/-17.934 χ^2/NDF:19.4/20

Out: 67.682+/-16.956 χ^2/NDF:26.8/25

All: 56.453+/-12.321 χ^2/NDF: 47.1/46



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.072+/-0.015 χ^2/NDF:65528.4/6

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: 50.736+/-0.012 χ^2/NDF: 142559.6/11

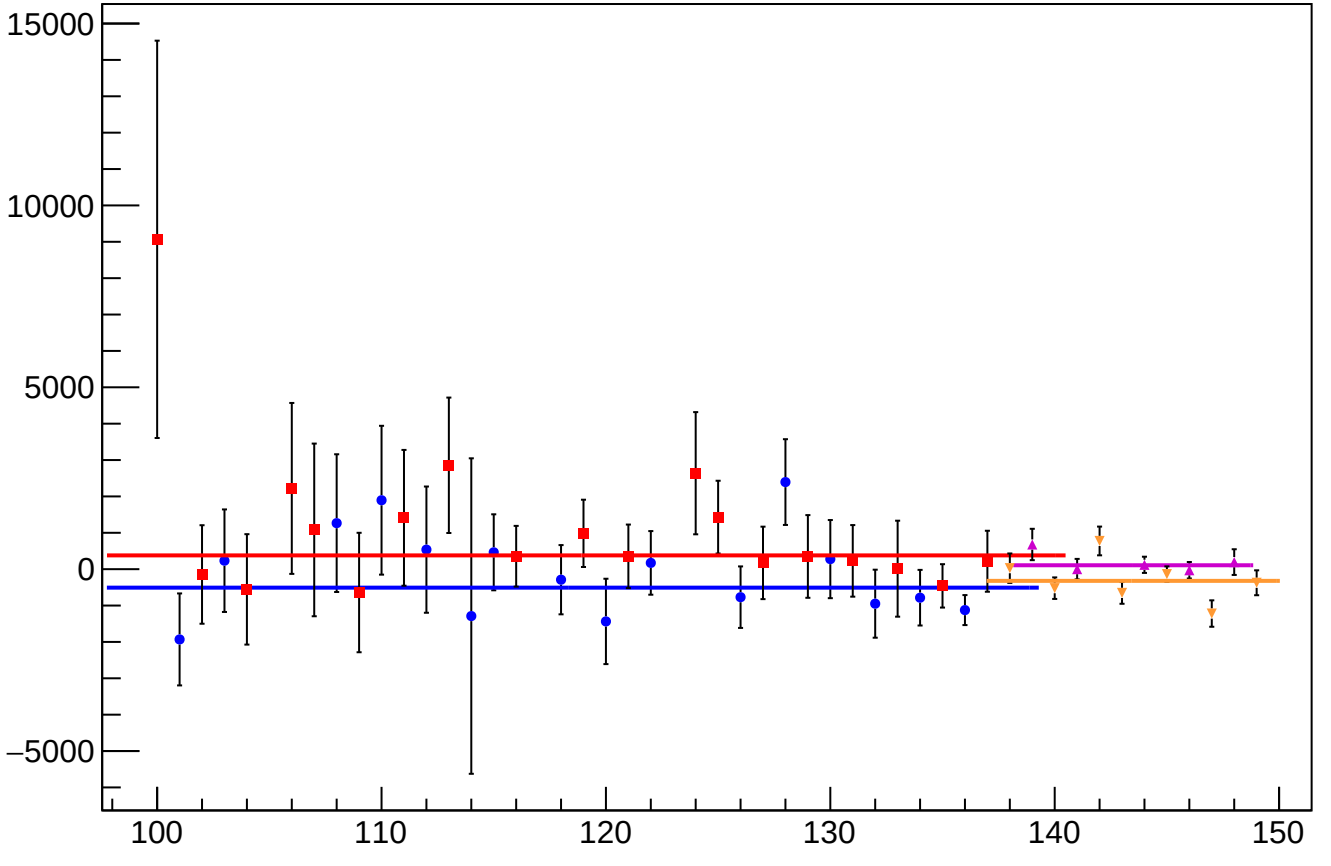
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 58.188+/-0.013 χ^2/NDF:1806953.1/20

Out: 57.459+/-0.012 χ^2/NDF:2281836.4/25

All: 57.803+/-0.009 χ^2/NDF: 4090536.9/46

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: -321.455+/-116.794 χ^2/NDF:17.0/6

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 107.589+/-123.342 χ^2/NDF:2.3/4

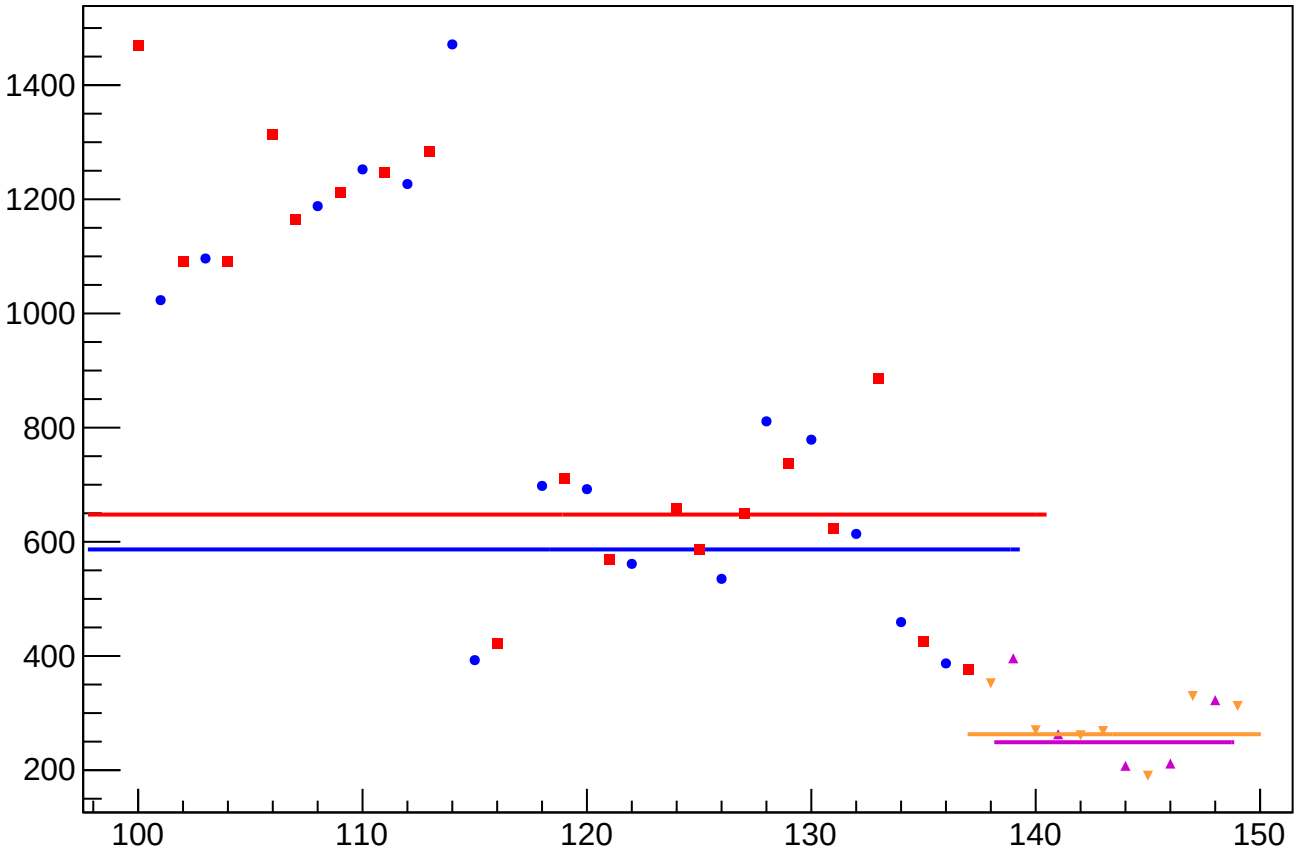
Left: -118.624+/-84.806 χ^2/NDF: 25.8/11

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -23.641+/-109.406 χ^2/NDF:23.3/20

Out: -201.114+/-106.287 χ^2/NDF:35.0/25

All: -114.944+/-76.235 χ^2/NDF: 59.6/46



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 262.950+/-0.083 χ^2/NDF:441521.5/6

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 248.935+/-0.087 χ^2/NDF:447844.6/4

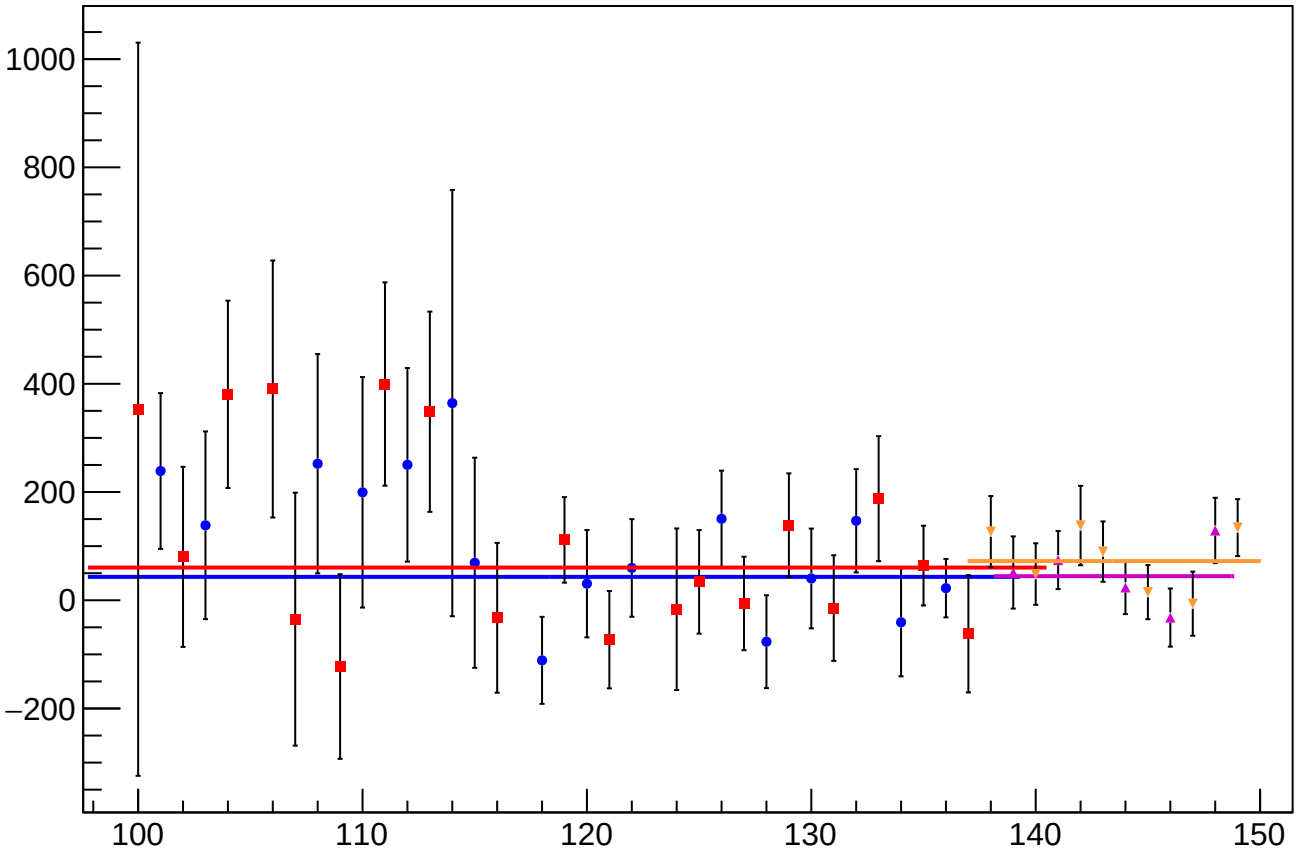
Left: 256.324+/-0.060 χ^2/NDF: 902979.7/11

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 320.936+/-0.077 χ^2/NDF:5697567.1/20

Out: 329.068+/-0.075 χ^2/NDF:6277329.9/25

All: 325.119+/-0.054 χ^2/NDF: 11980581.2/46



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.372+/-21.843 χ^2/NDF:6.2/6

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 44.499+/-24.963 χ^2/NDF:4.5/4

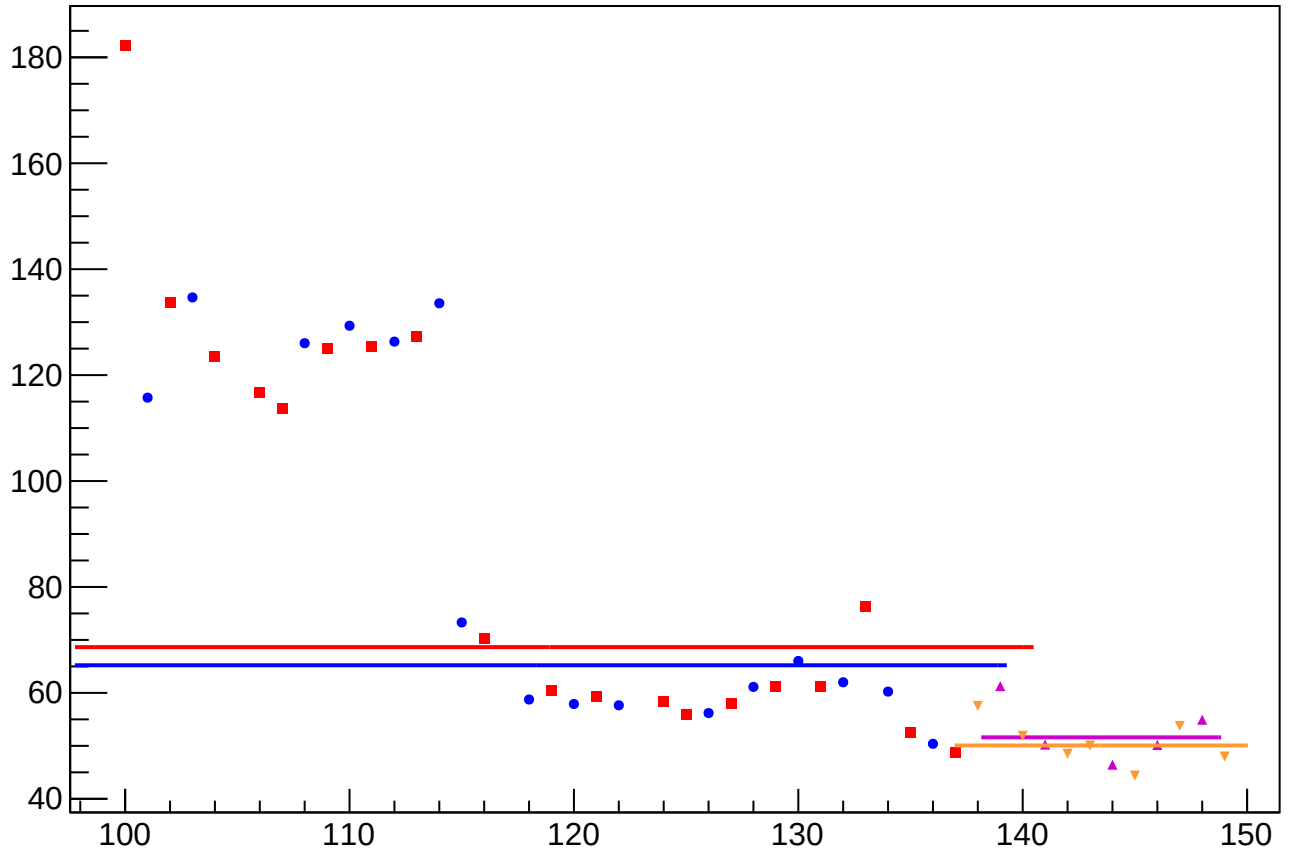
Left: 60.285+/-16.439 χ^2/NDF: 11.4/11

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.890+/-17.934 χ^2/NDF:19.4/20

Out: 67.626+/-16.956 χ^2/NDF:26.7/25

All: 56.423+/-12.321 χ^2/NDF: 47.0/46



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.072+/-0.015 χ^2/NDF:65528.4/6

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: 50.736+/-0.012 χ^2/NDF: 142559.6/11

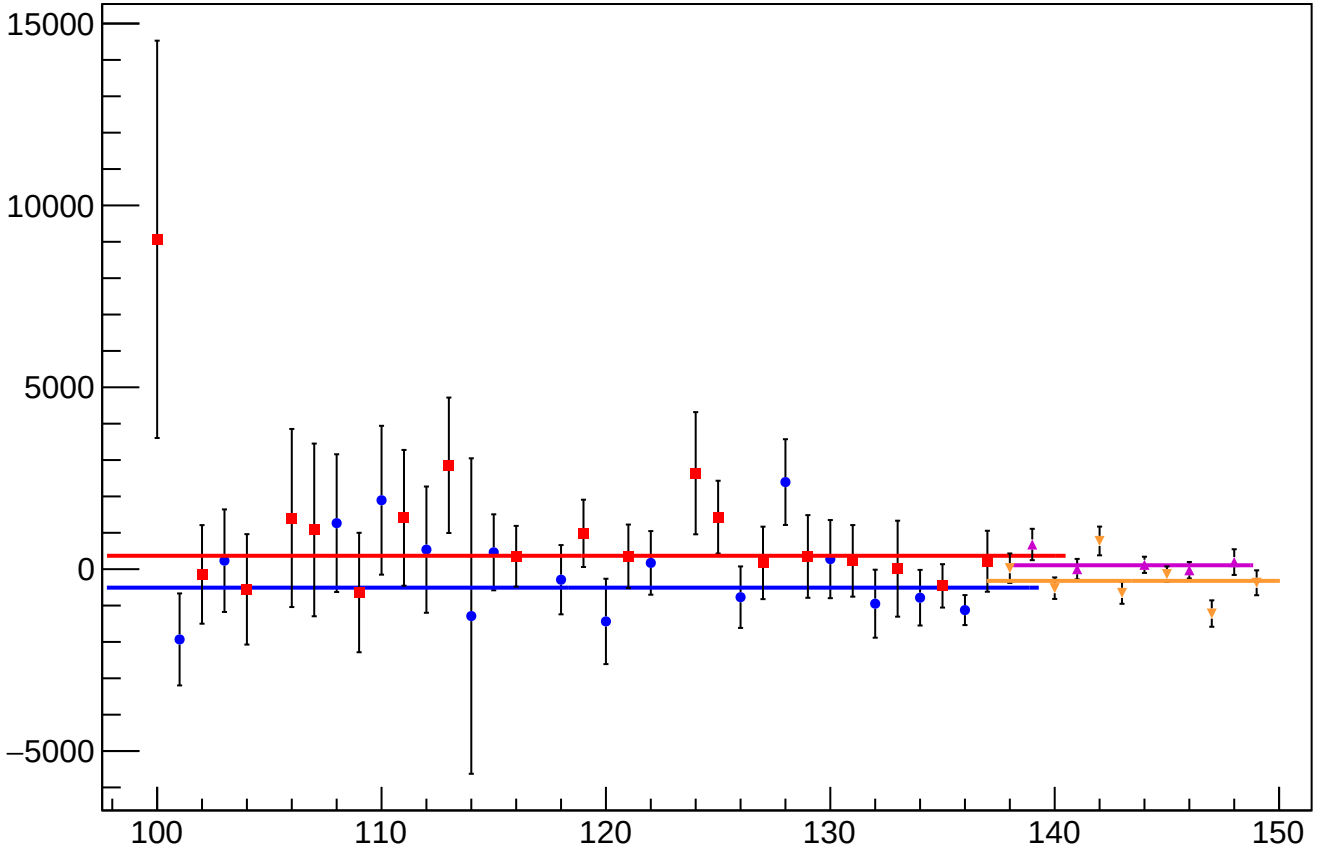
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.188+/-0.013 χ^2/NDF:1806955.3/20

Out: 57.453+/-0.012 χ^2/NDF:2277581.8/25

All: 57.800+/-0.009 χ^2/NDF: 4086313.3/46

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.449+/-116.794 χ^2/NDF:17.0/6

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 107.591+/-123.342 χ^2/NDF:2.3/4

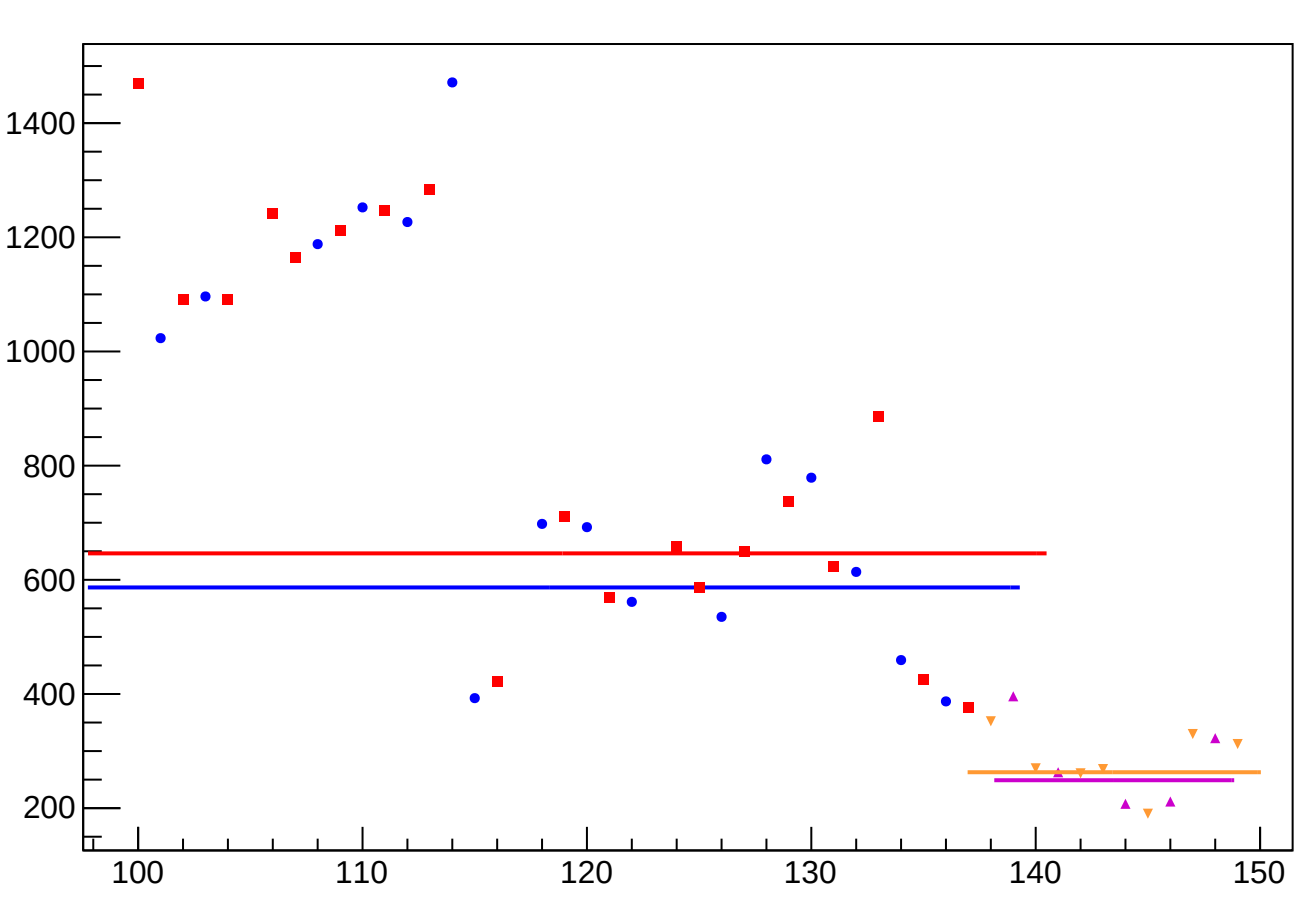
Left: -118.620+/-84.806 χ^2/NDF: 25.8/11

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -23.635+/-109.406 χ^2/NDF:23.3/20

Out: -203.021+/-106.296 χ^2/NDF:34.3/25

All: -115.914+/-76.238 χ^2/NDF: 59.0/46



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 262.949+/-0.083 χ^2/NDF:441522.7/6

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

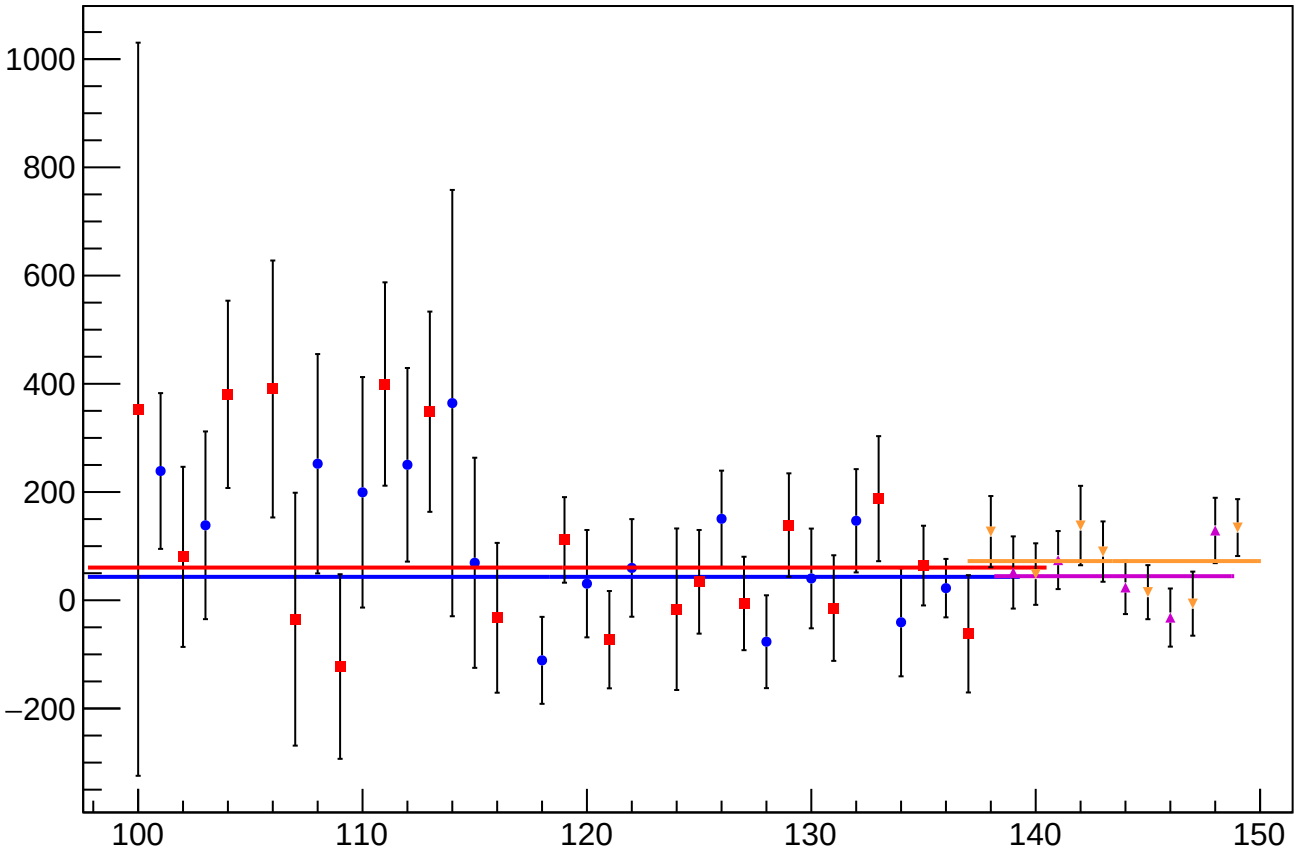
Left: 256.324+/-0.060 χ^2/NDF: 902977.2/11

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.936+/-0.077 χ^2/NDF:5697585.4/20

Out: 328.771+/-0.075 χ^2/NDF:6204600.6/25

All: 324.966+/-0.054 χ^2/NDF: 11907463.3/46



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.372+/-21.843 χ^2/NDF:6.2/6

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 44.499+/-24.963 χ^2/NDF:4.5/4

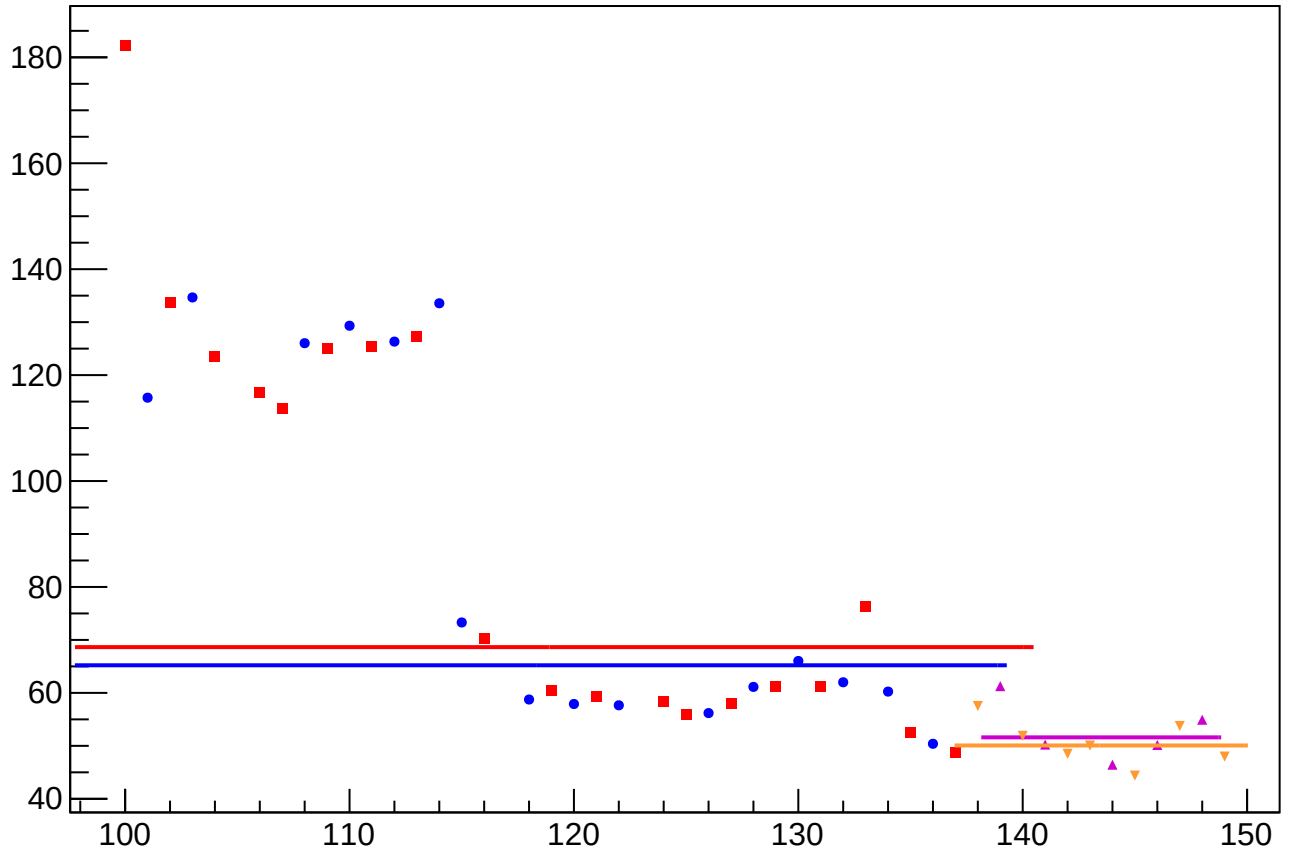
Left: 60.285+/-16.439 χ^2/NDF: 11.4/11

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.890+/-17.934 χ^2/NDF:19.4/20

Out: 67.626+/-16.956 χ^2/NDF:26.7/25

All: 56.423+/-12.321 χ^2/NDF: 47.0/46



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.072+/-0.015 χ^2/NDF:65528.4/6

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: 50.736+/-0.012 χ^2/NDF: 142559.6/11

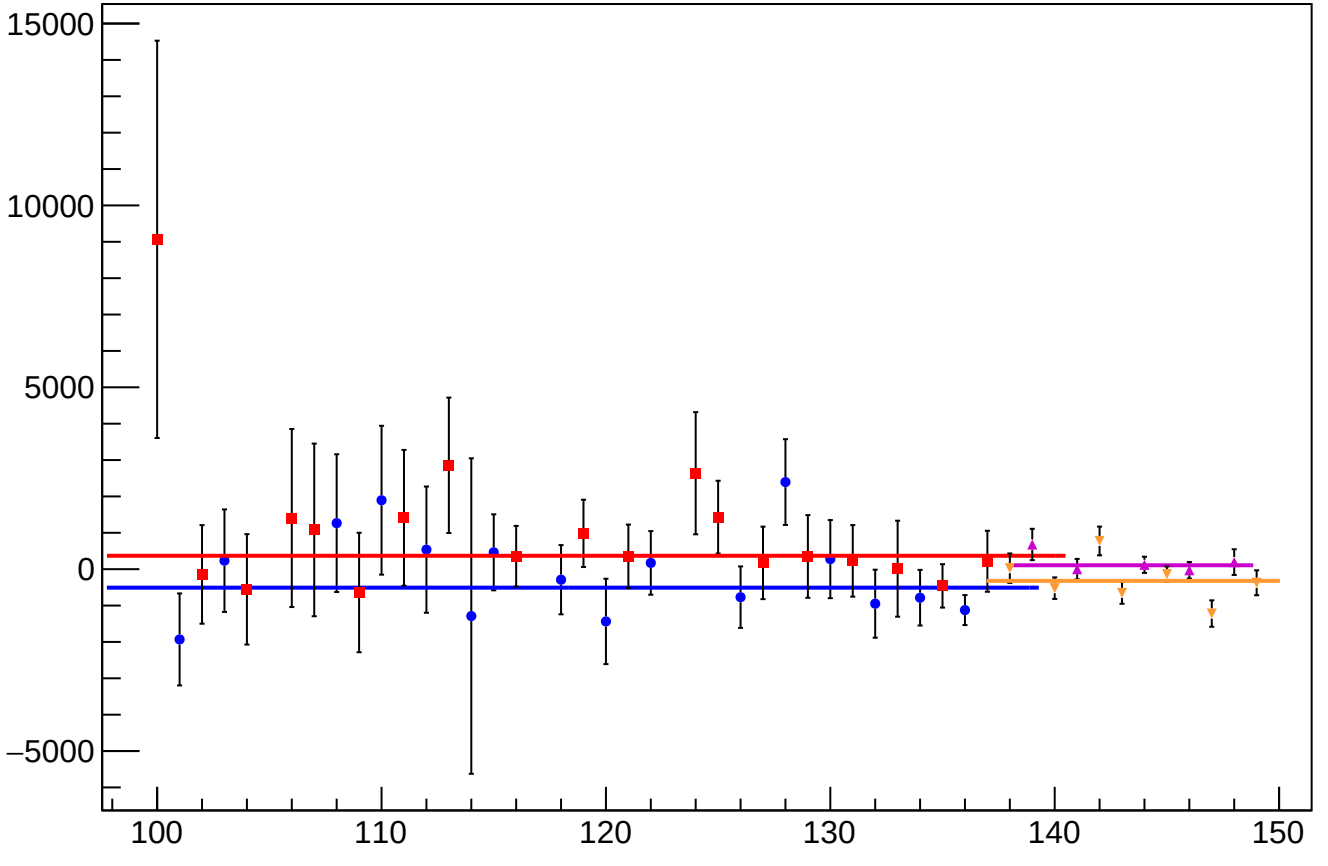
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.188+/-0.013 χ^2/NDF:1806955.3/20

Out: 57.453+/-0.012 χ^2/NDF:2277581.8/25

All: 57.800+/-0.009 χ^2/NDF: 4086313.3/46

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: -321.449+/-116.794 χ^2/NDF:17.0/6

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 107.591+/-123.342 χ^2/NDF:2.3/4

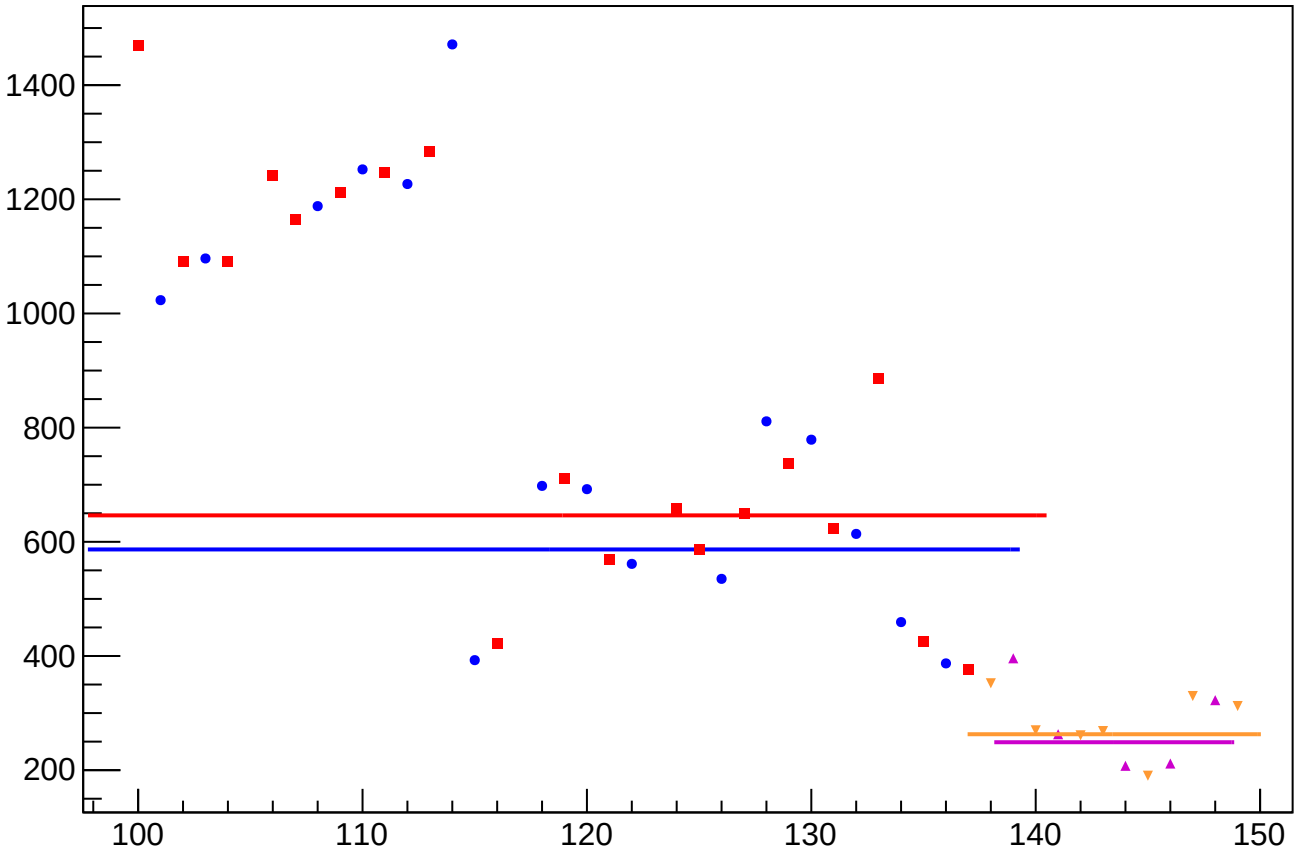
Left: -118.620+/-84.806 χ^2/NDF: 25.8/11

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -23.635+/-109.406 χ^2/NDF:23.3/20

Out: -203.021+/-106.296 χ^2/NDF:34.3/25

All: -115.914+/-76.238 χ^2/NDF: 59.0/46



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 262.949+/-0.083 χ^2/NDF:441522.7/6

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.935+/-0.087 χ^2/NDF:447841.6/4

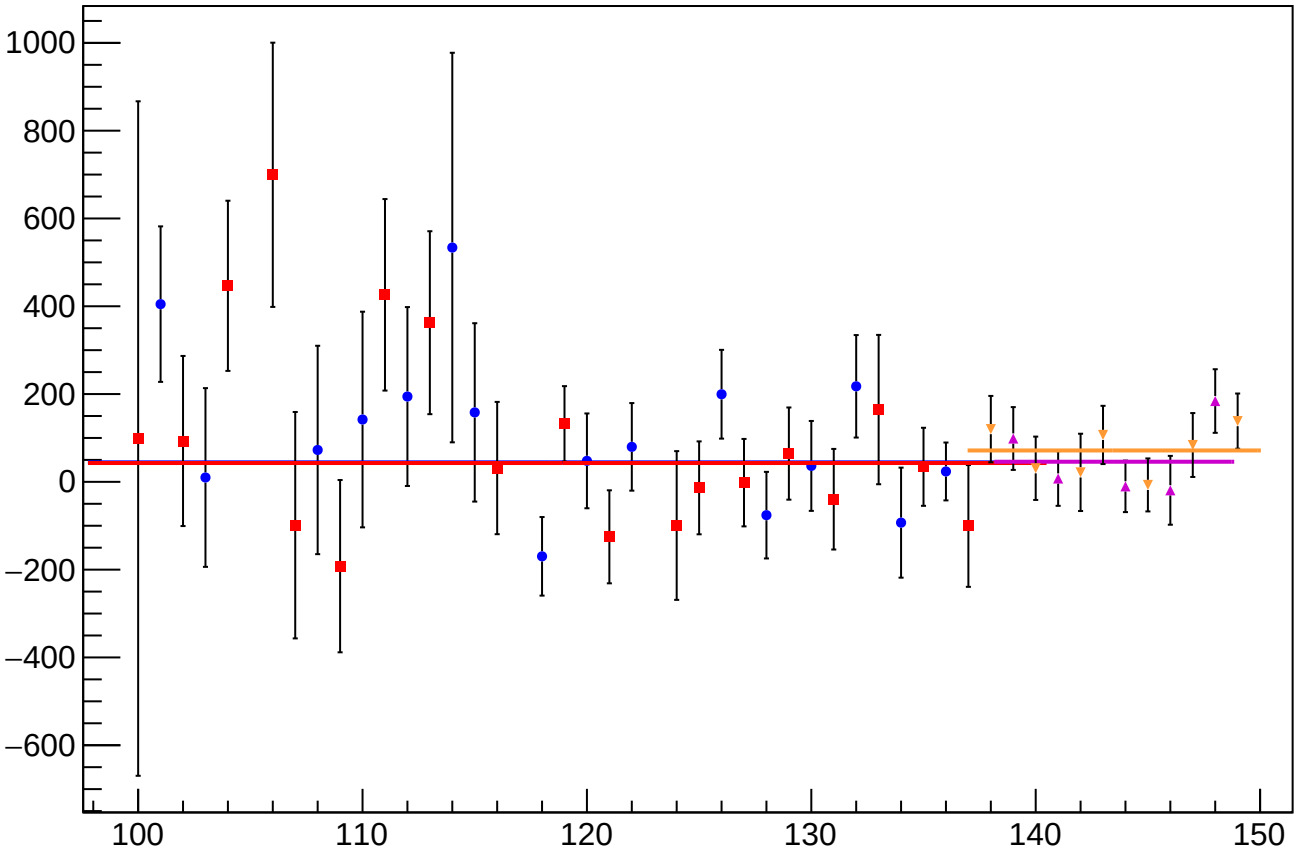
Left: 256.324+/-0.060 χ^2/NDF: 902977.2/11

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.936+/-0.077 χ^2/NDF:5697585.4/20

Out: 328.771+/-0.075 χ^2/NDF:6204600.6/25

All: 324.966+/-0.054 χ^2/NDF: 11907463.3/46



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 71.507+/-26.357 χ^2/NDF:4.2/6

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: 60.399+/-19.857 χ^2/NDF: 10.8/11

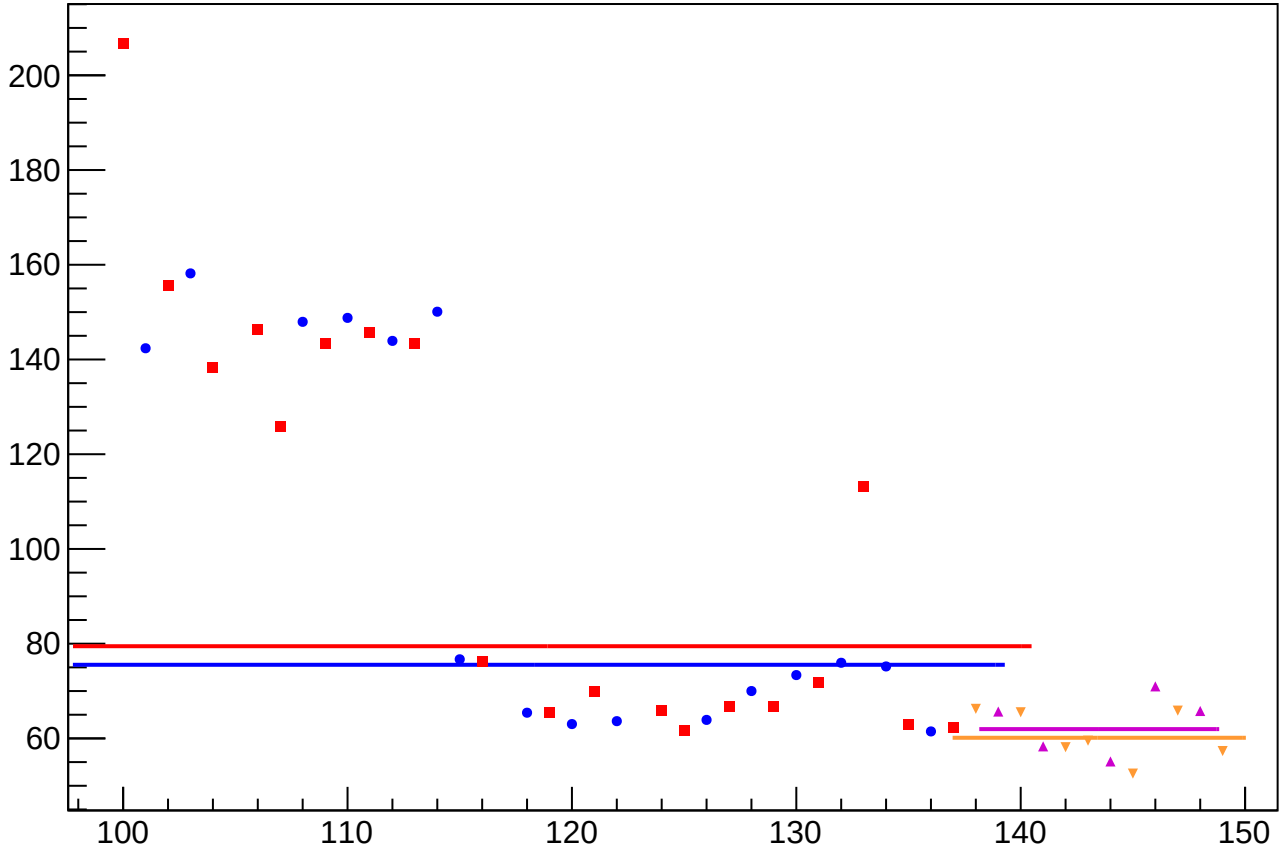
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.097+/-21.250 χ^2/NDF:25.8/20

Out: 59.615+/-20.147 χ^2/NDF:28.0/25

All: 52.743+/-14.620 χ^2/NDF: 54.0/46

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.136+/-0.019 χ^2/NDF:73136.4/6

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: 60.927+/-0.014 χ^2/NDF: 148637.4/11

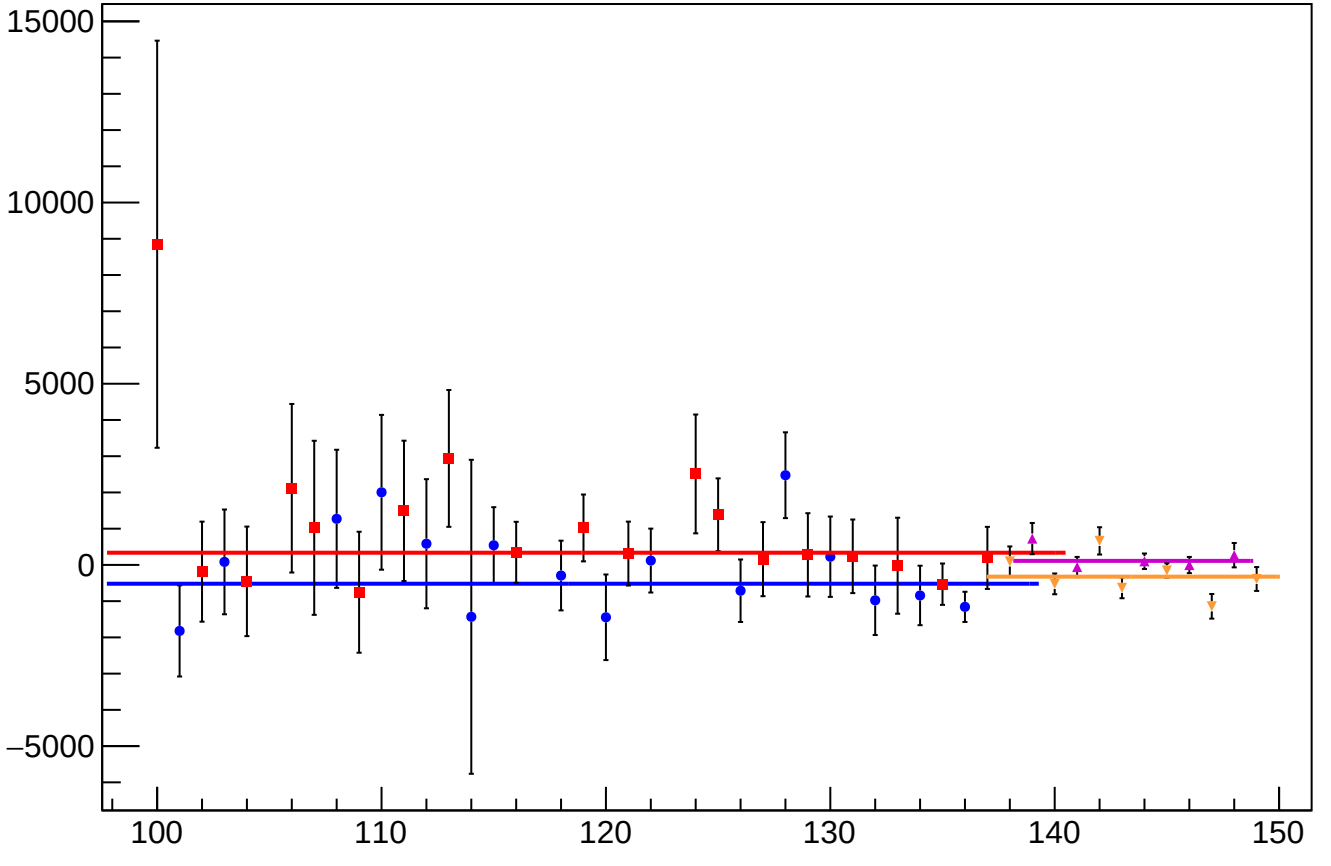
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 68.820+/-0.015 χ^2/NDF:1741019.1/20

Out: 68.171+/-0.014 χ^2/NDF:2203914.1/25

All: 68.479+/-0.010 χ^2/NDF: 3945915.3/46

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: -324.391+/-111.043 χ^2/NDF:16.1/6

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: -124.010+/-81.631 χ^2/NDF: 26.1/11

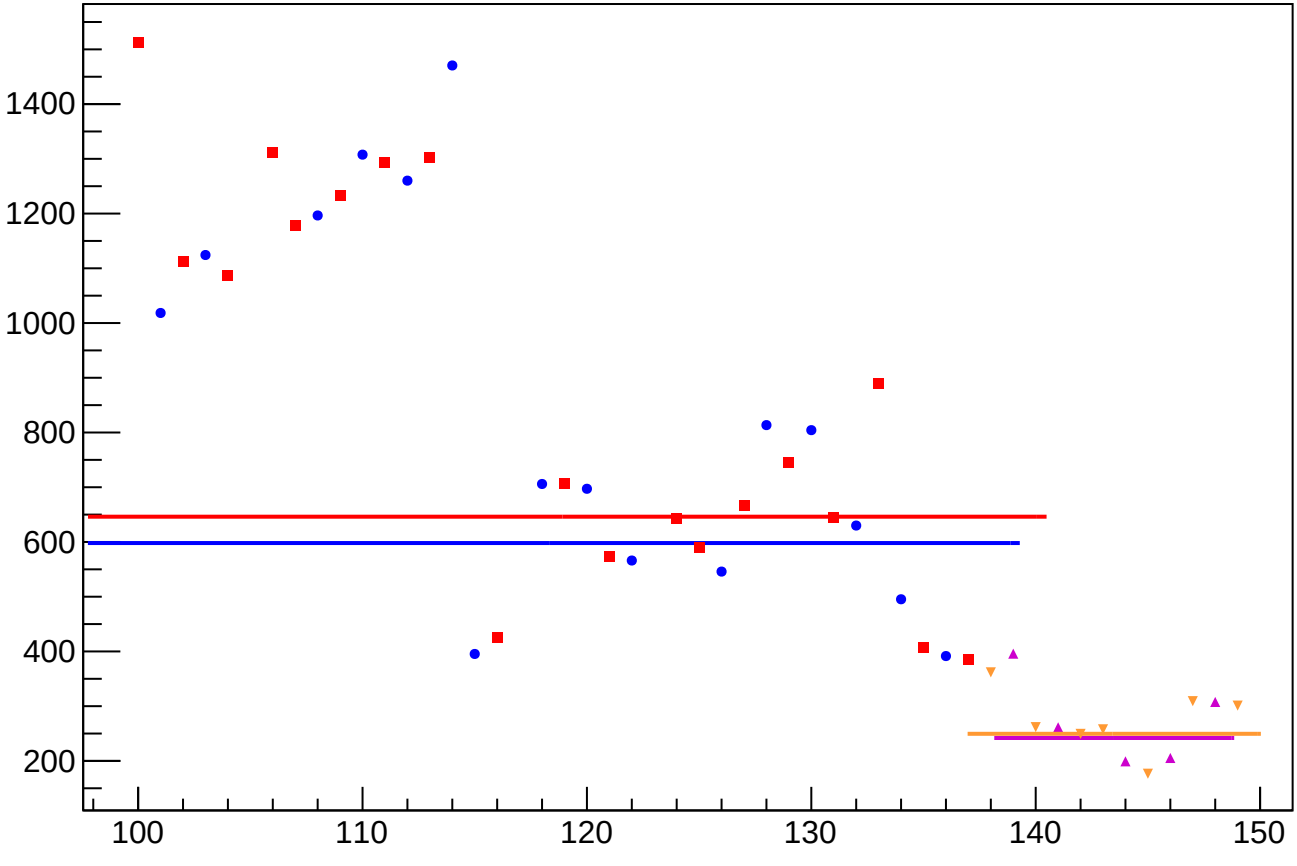
Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -14.149+/-107.745 χ^2/NDF:24.2/20

Out: -220.123+/-101.911 χ^2/NDF:33.6/25

All: -122.862+/-74.039 χ^2/NDF: 59.7/46

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 249.521+/-0.079 χ^2/NDF:538893.9/6

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 241.851+/-0.085 χ^2/NDF:475079.1/4

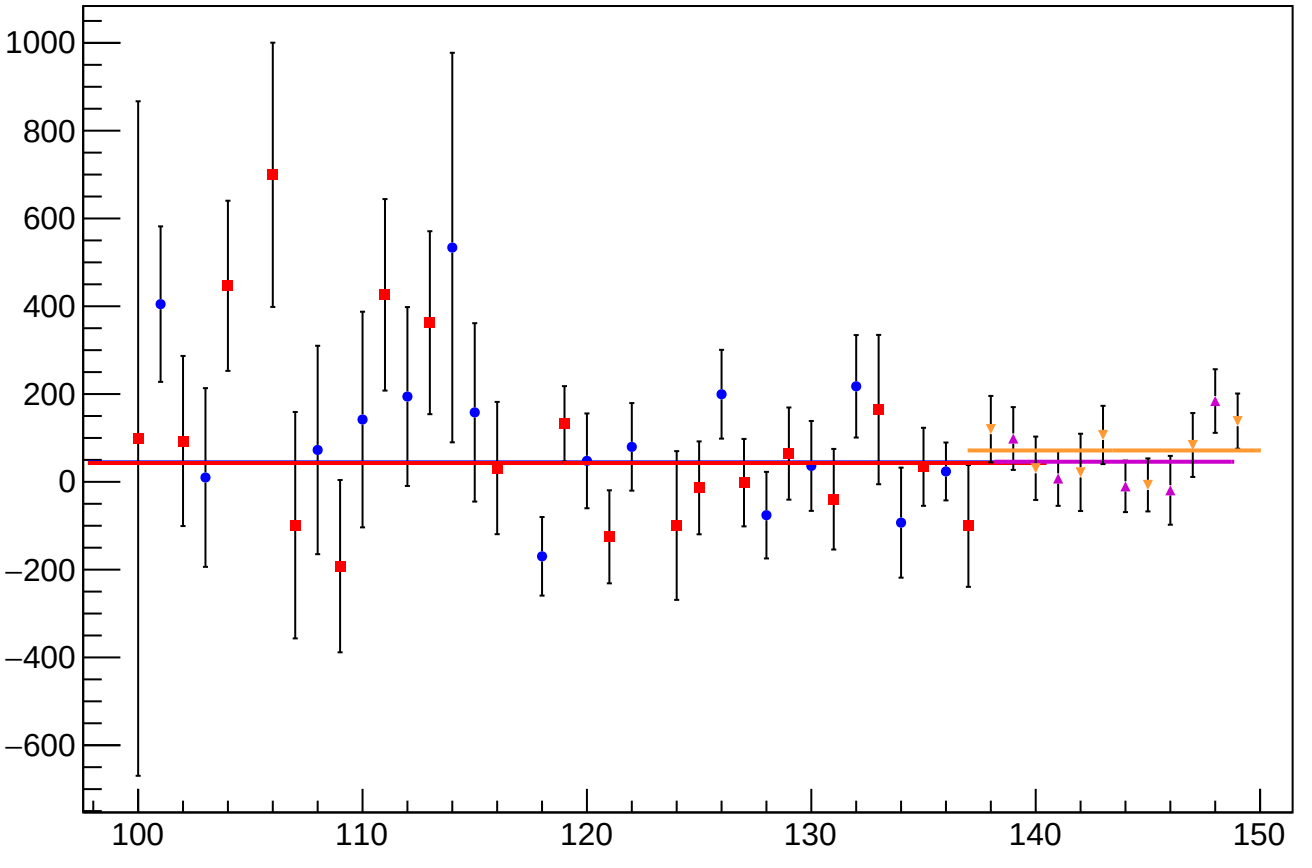
Left: 245.996+/-0.058 χ^2/NDF: 1018357.7/11

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 312.859+/-0.076 χ^2/NDF:6011643.4/20

Out: 312.081+/-0.072 χ^2/NDF:6769402.3/25

All: 312.448+/-0.052 χ^2/NDF: 12781100.6/46



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 71.506+/-26.357 χ^2/NDF:4.2/6

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 45.821+/-30.196 χ^2/NDF:6.2/4

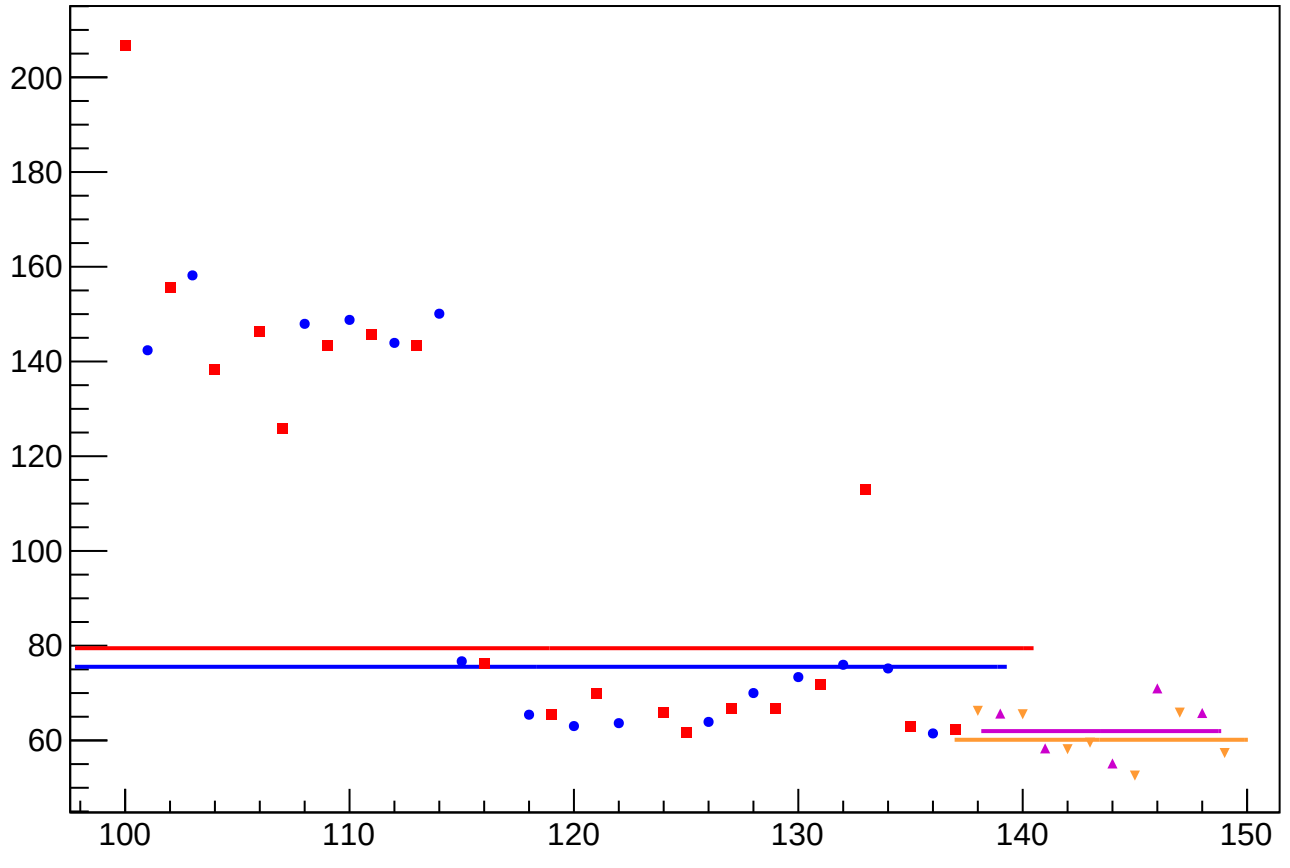
Left: 60.399+/-19.857 χ^2/NDF: 10.8/11

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.098+/-21.250 χ^2/NDF:25.8/20

Out: 59.615+/-20.147 χ^2/NDF:28.0/25

All: 52.743+/-14.620 χ^2/NDF: 54.0/46



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.136+/-0.019 χ^2/NDF:73131.7/6

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: 60.928+/-0.014 χ^2/NDF: 148631.8/11

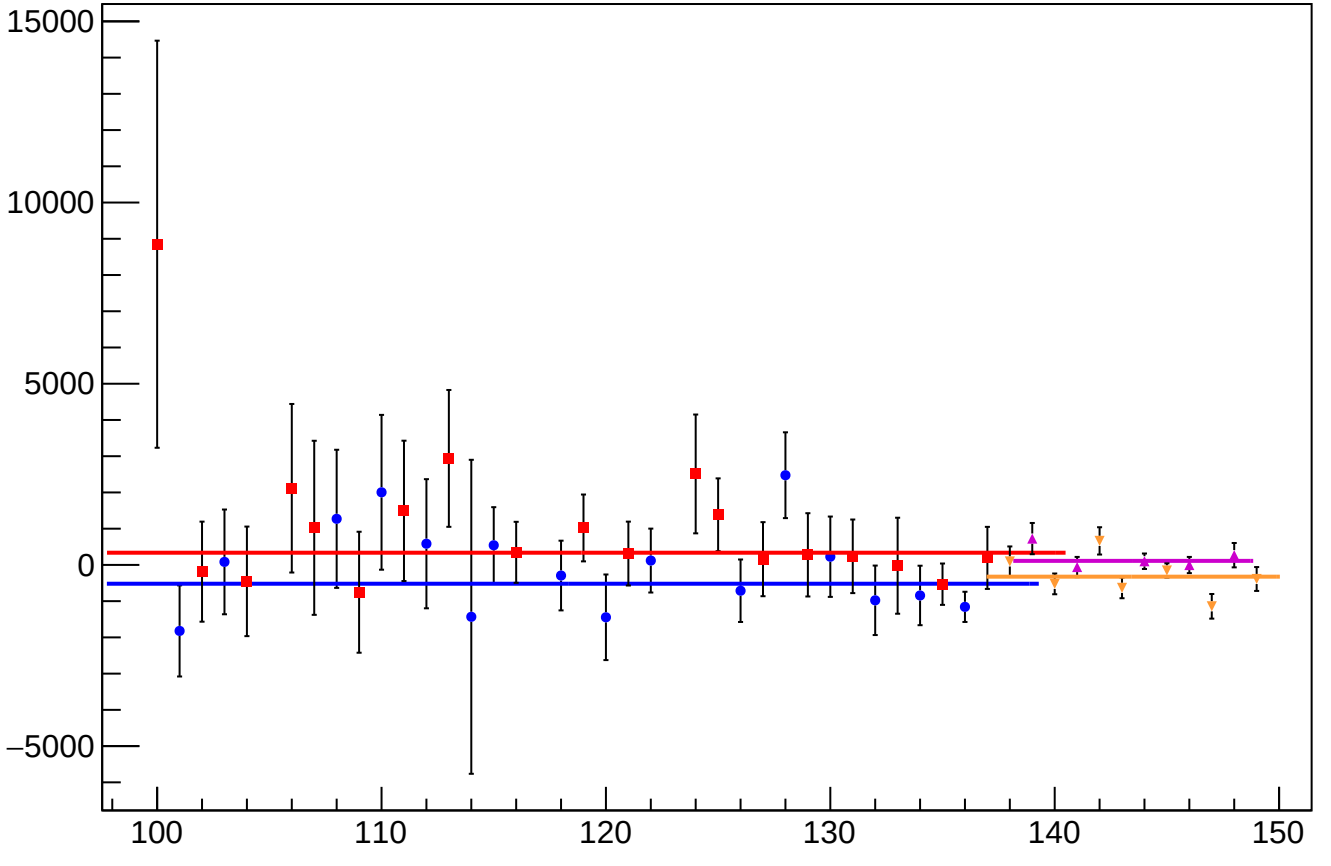
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 68.820+/-0.015 χ^2/NDF:1740987.3/20

Out: 68.171+/-0.014 χ^2/NDF:2203878.9/25

All: 68.479+/-0.010 χ^2/NDF: 3945848.2/46

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: -324.392+/-111.043 χ^2/NDF:16.1/6

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: -124.011+/-81.631 χ^2/NDF: 26.1/11

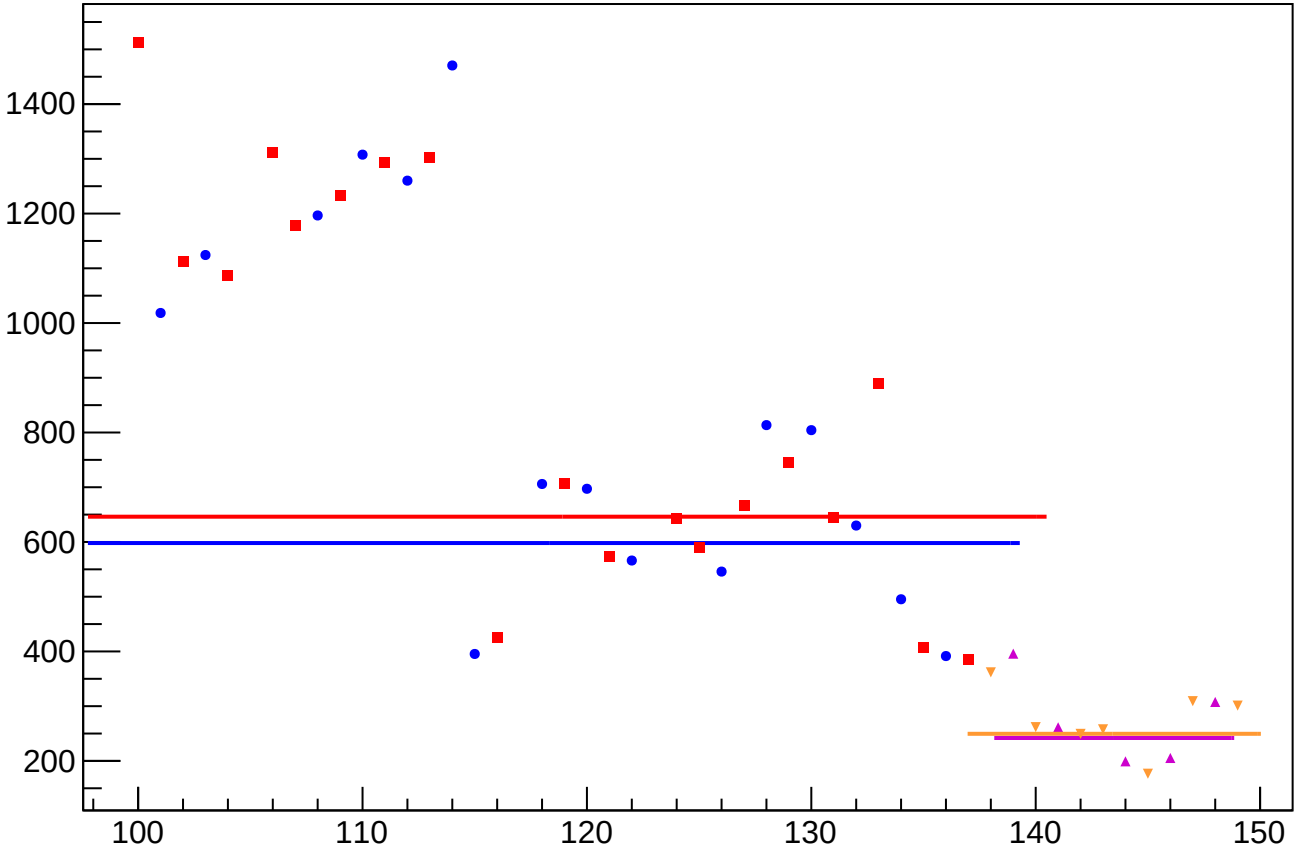
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -14.148+/-107.745 χ^2/NDF:24.2/20

Out: -220.124+/-101.911 χ^2/NDF:33.6/25

All: -122.863+/-74.038 χ^2/NDF: 59.7/46

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: 249.520+/-0.079 χ^2/NDF:538894.9/6

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: 245.995+/-0.058 χ^2/NDF: 1018353.7/11

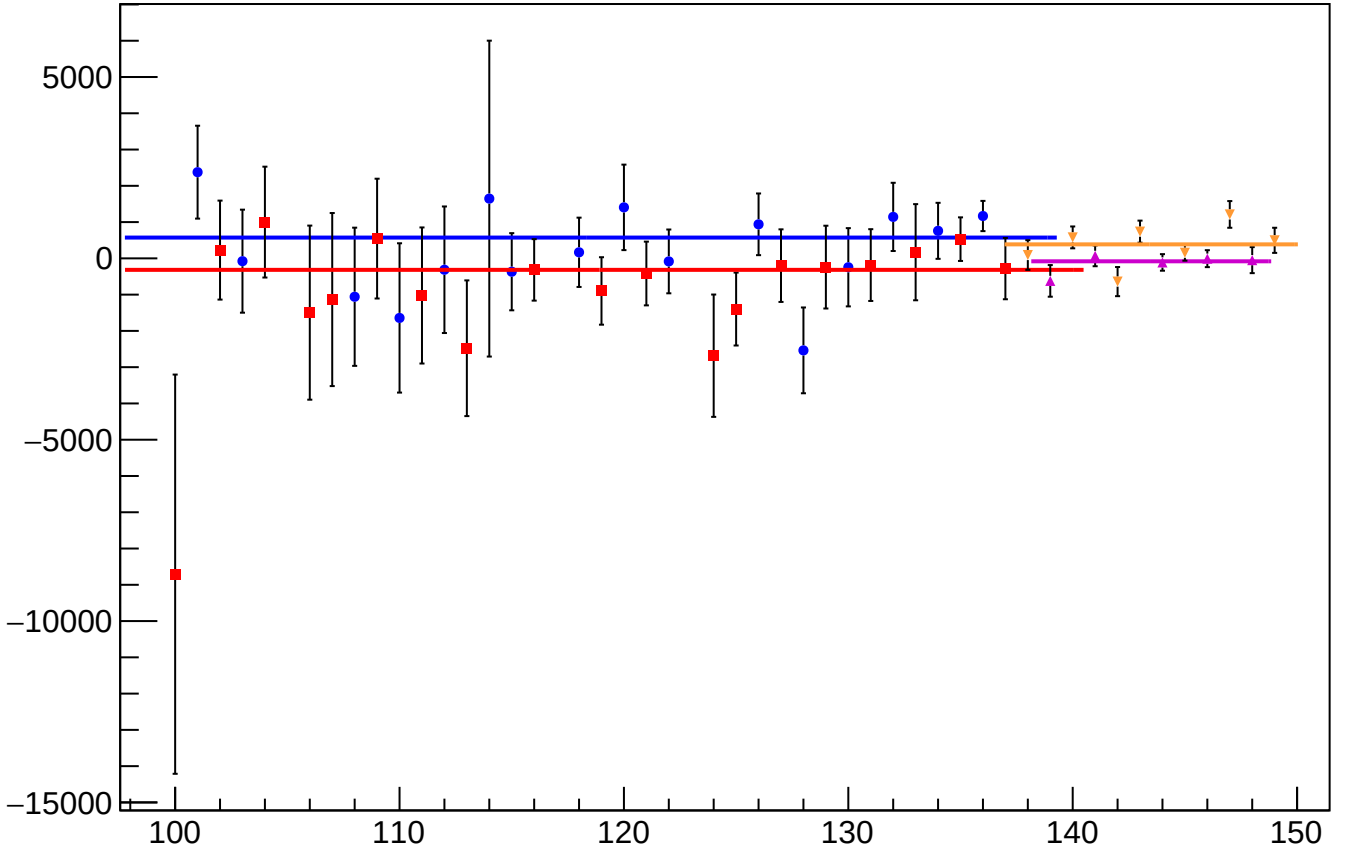
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 312.858+/-0.076 χ^2/NDF:6011625.9/20

Out: 312.080+/-0.072 χ^2/NDF:6769401.5/25

All: 312.448+/-0.052 χ^2/NDF: 12781082.5/46

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 386.007+/-119.064 χ^2/NDF:15.0/6

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: 166.173+/-86.630 χ^2/NDF: 24.2/11

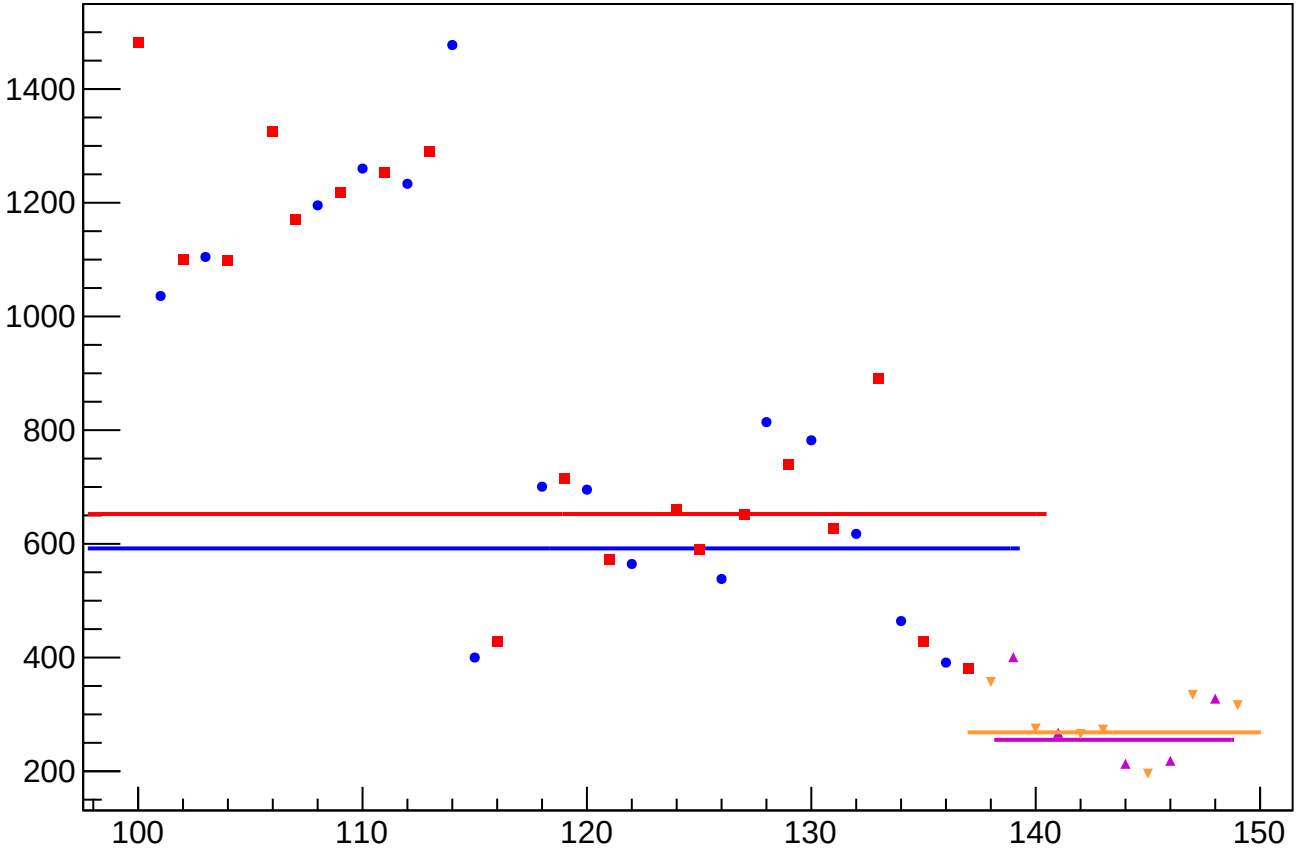
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 61.797+/-111.645 χ^2/NDF:24.4/20

Out: 262.792+/-108.125 χ^2/NDF:32.1/25

All: 165.513+/-77.670 χ^2/NDF: 58.2/46

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 268.390+/-0.084 χ^2/NDF:417359.4/6

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 255.261+/-0.089 χ^2/NDF:425436.9/4

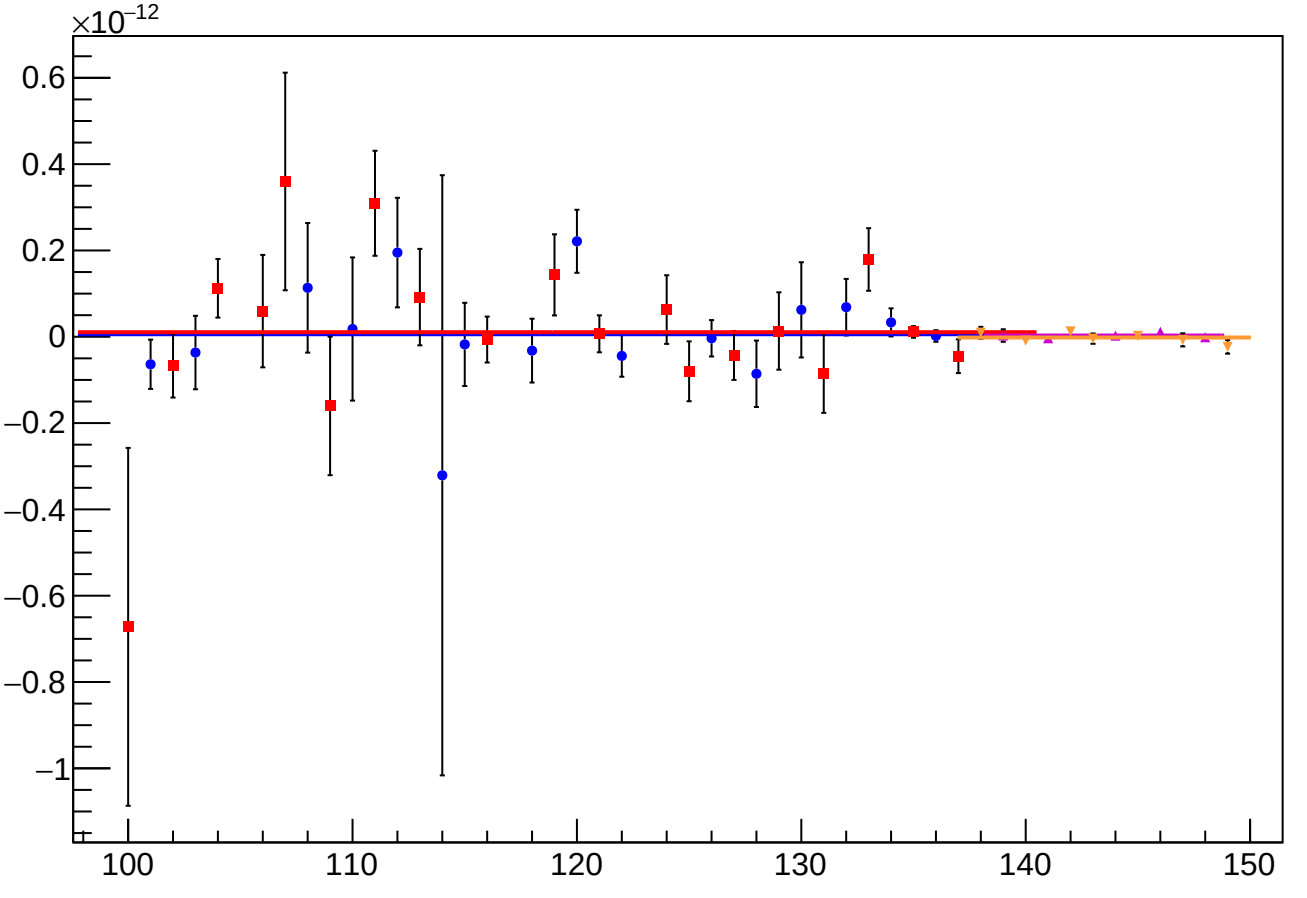
Left: 262.211+/-0.061 χ^2/NDF: 854241.0/11

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 328.785+/-0.079 χ^2/NDF:5566047.0/20

Out: 335.722+/-0.076 χ^2/NDF:6155692.2/25

All: 332.364+/-0.055 χ^2/NDF: 11725723.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/4

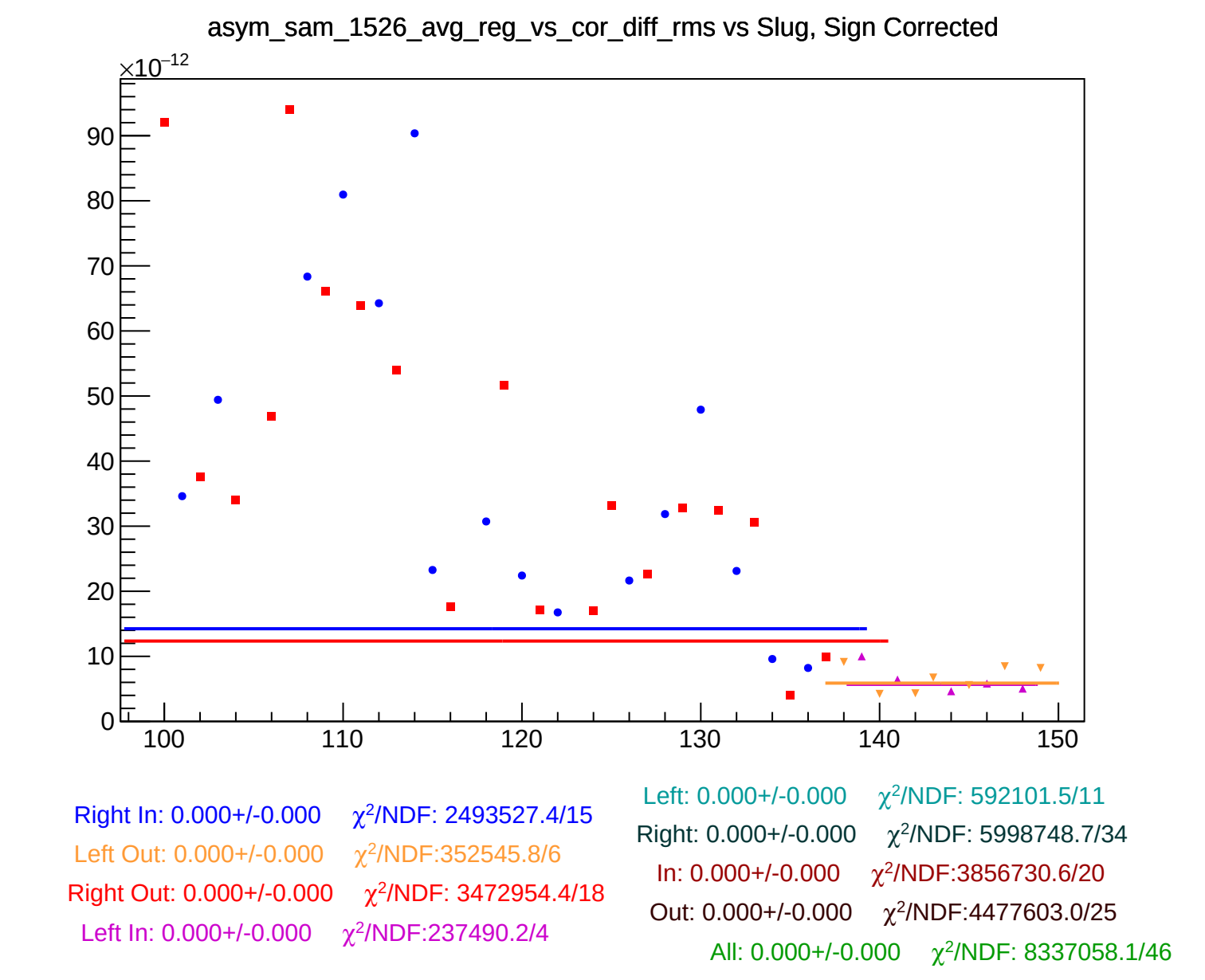
Left: 0.000+/-0.000 χ^2/NDF: 7.2/11

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:36.1/25

All: 0.000+/-0.000 χ^2/NDF: 56.0/46


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
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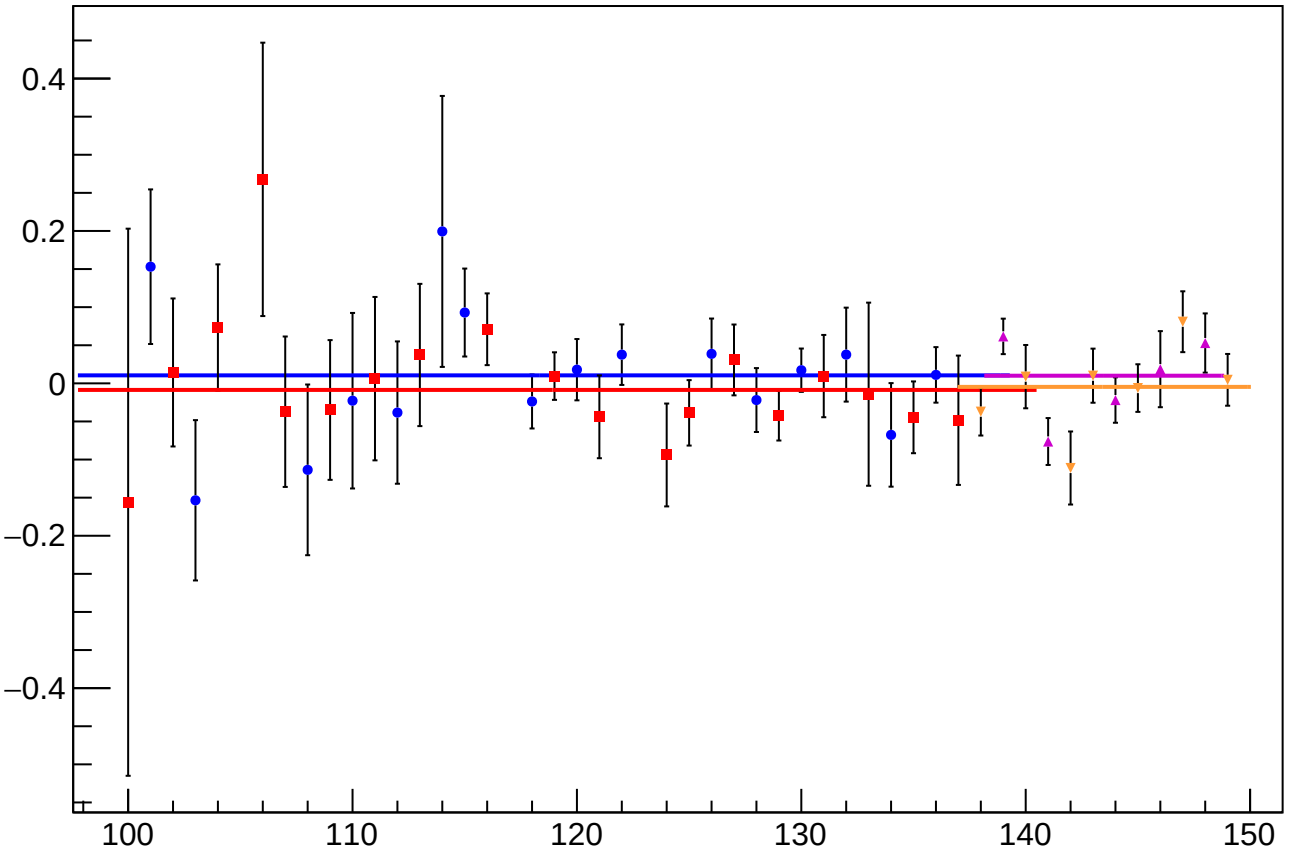
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:352545.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:237490.2/4
Left: 0.000+/-0.000 χ²/NDF: 592101.5/11
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:3856730.6/20
Out: 0.000+/-0.000 χ²/NDF:4477603.0/25
All: 0.000+/-0.000 χ²/NDF: 8337058.1/46



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.005+/-0.014 χ^2/NDF:11.0/6

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

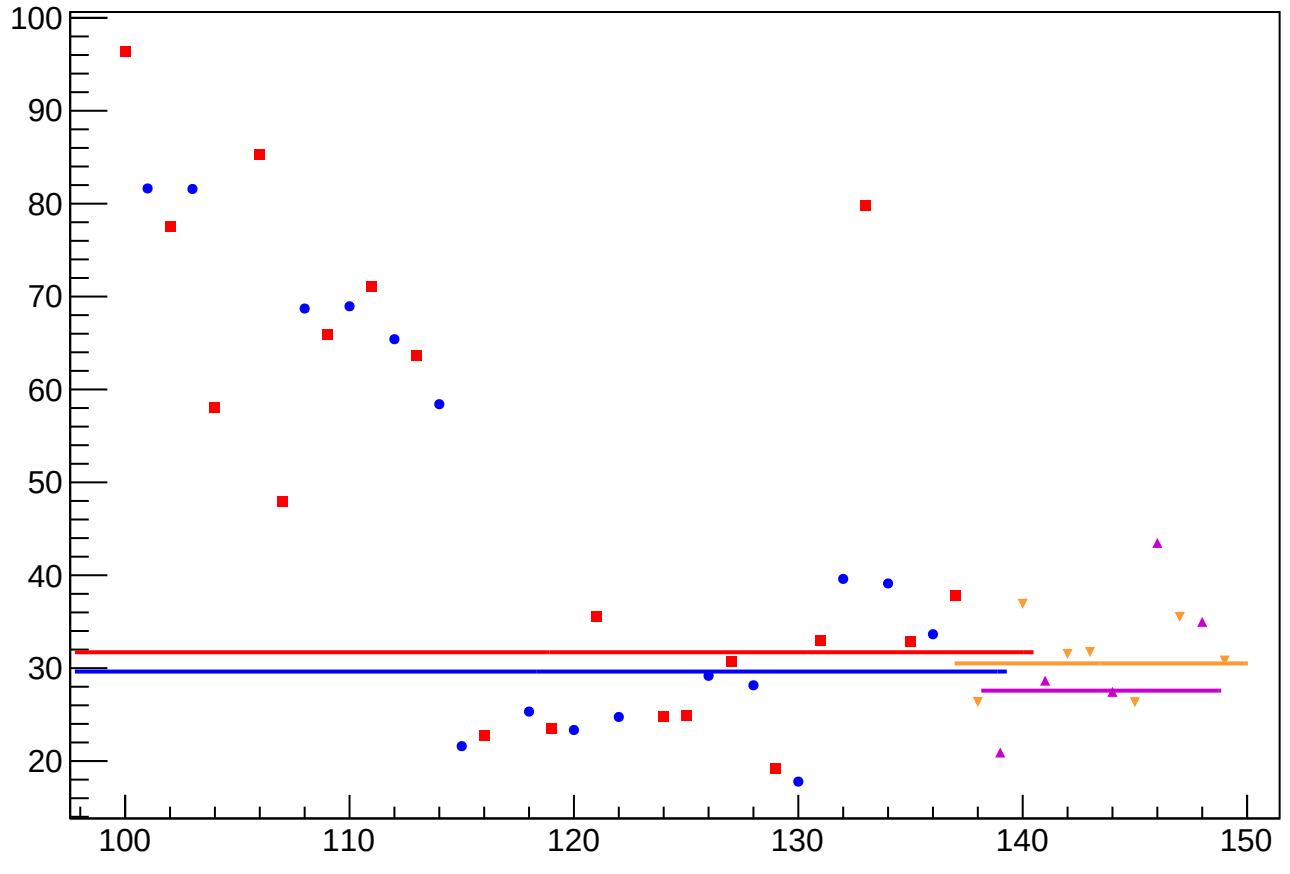
Left: 0.003+/-0.010 χ^2/NDF: 26.7/11

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.007+/-0.010 χ^2/NDF:23.4/25

All: 0.002+/-0.007 χ^2/NDF: 53.4/46



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.512+/-0.010 χ^2/NDF:153341.6/6

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.580+/-0.010 χ^2/NDF:441553.2/4

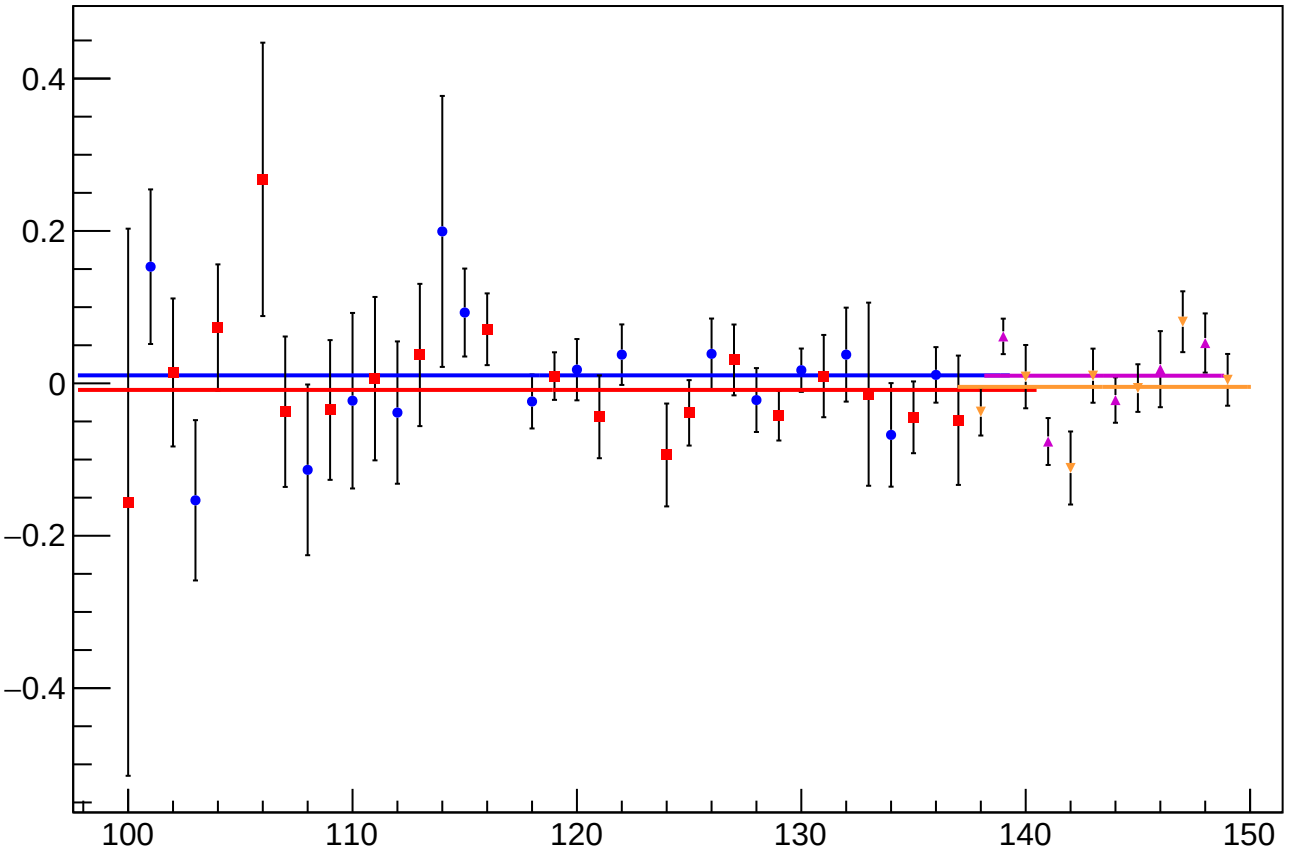
Left: 29.082+/-0.007 χ^2/NDF: 639717.3/11

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.720+/-0.007 χ^2/NDF:2913852.7/20

Out: 31.132+/-0.007 χ^2/NDF:2812763.1/25

All: 29.905+/-0.005 χ^2/NDF: 5791966.6/46



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.005+/-0.014 χ^2/NDF:11.0/6

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

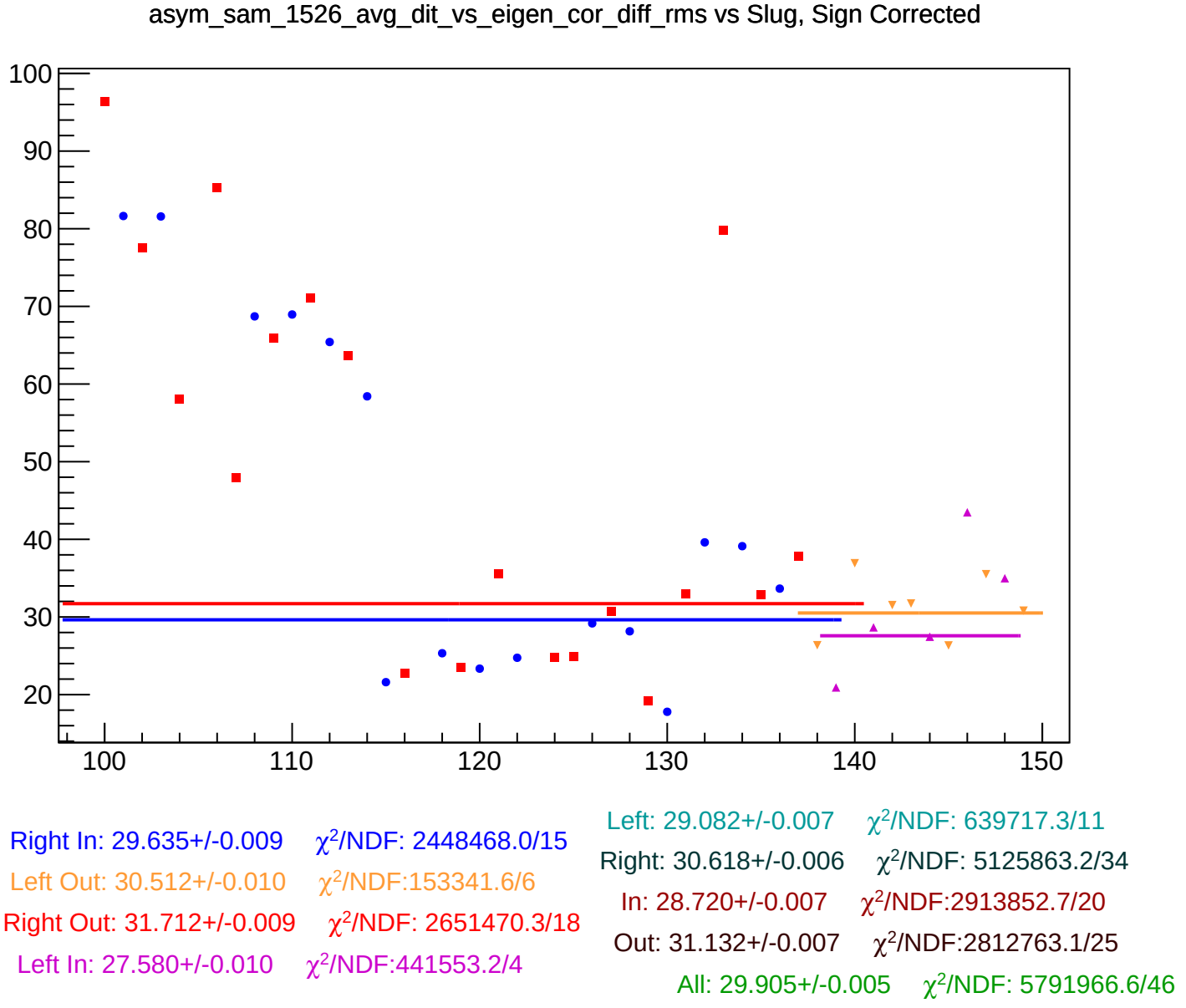
Left: 0.003+/-0.010 χ^2/NDF: 26.7/11

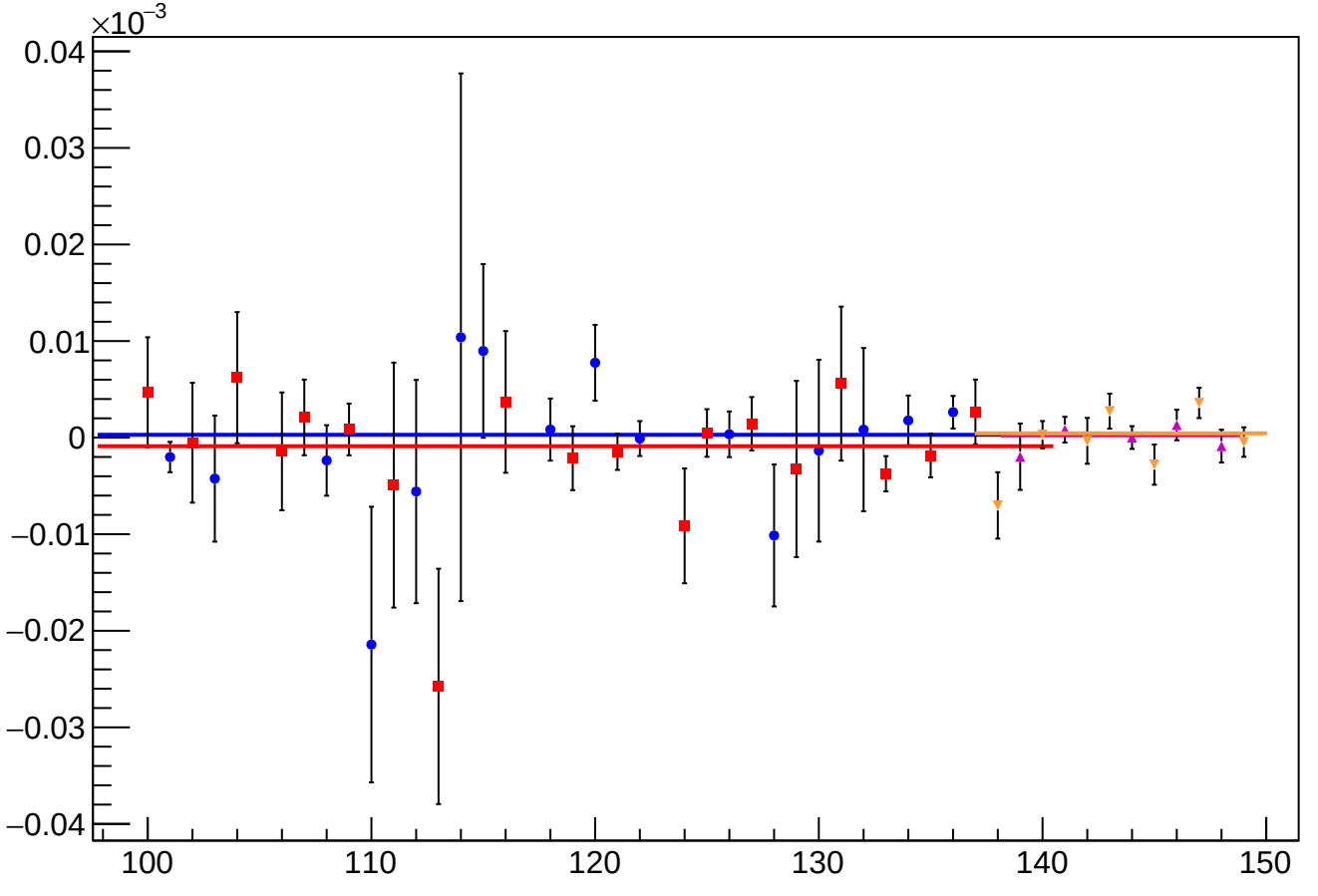
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.007+/-0.010 χ^2/NDF:23.4/25

All: 0.002+/-0.007 χ^2/NDF: 53.4/46


asym_sam_1526_avg_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: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 30.512+/-0.010 χ²/NDF:153341.6/6
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 27.580+/-0.010 χ²/NDF:441553.2/4
Left: 29.082+/-0.007 χ²/NDF: 639717.3/11
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 28.720+/-0.007 χ²/NDF:2913852.7/20
Out: 31.132+/-0.007 χ²/NDF:2812763.1/25
All: 29.905+/-0.005 χ²/NDF: 5791966.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/4

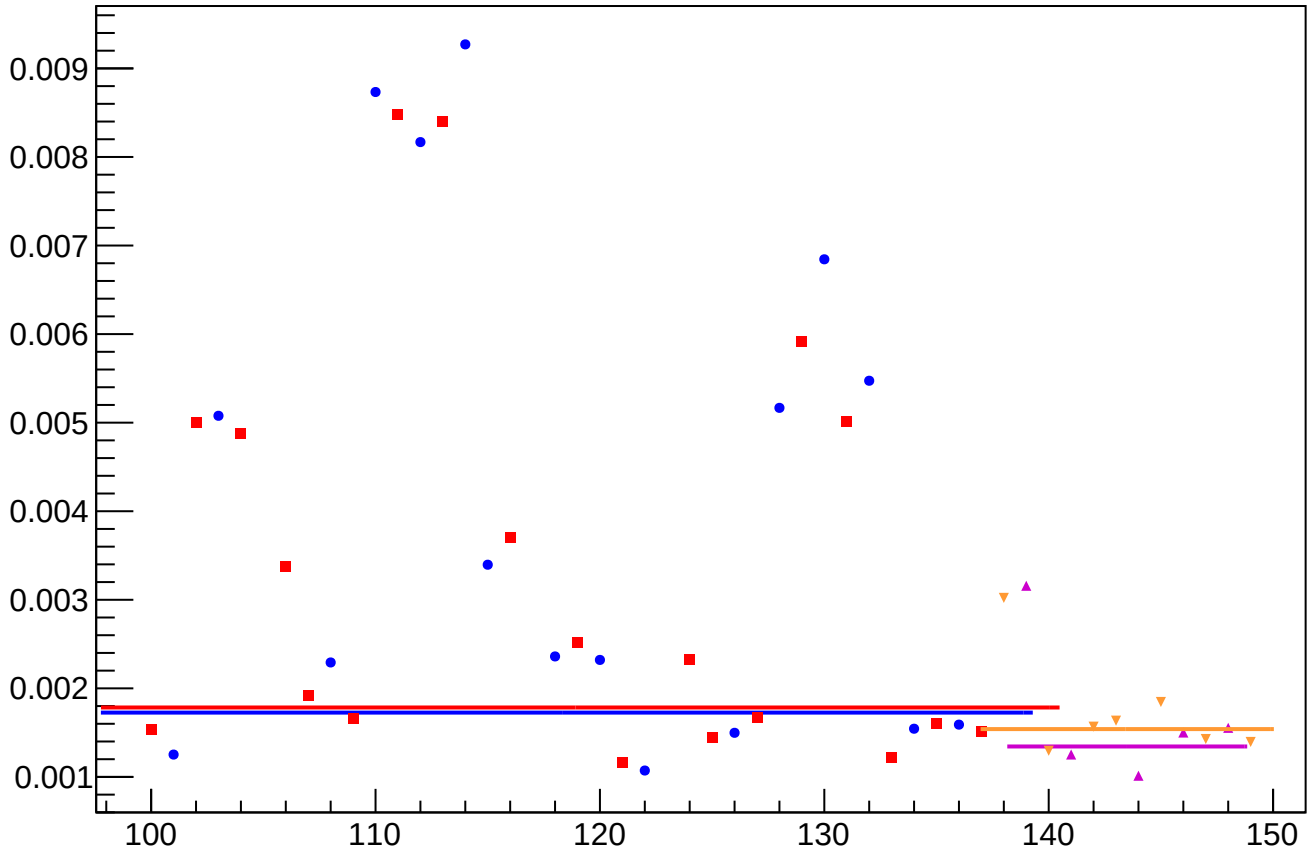
Left: 0.000+/-0.000 χ^2/NDF: 14.8/11

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:30.3/25

All: 0.000+/-0.000 χ^2/NDF: 46.9/46



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:508650.5/6

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:774489.8/4

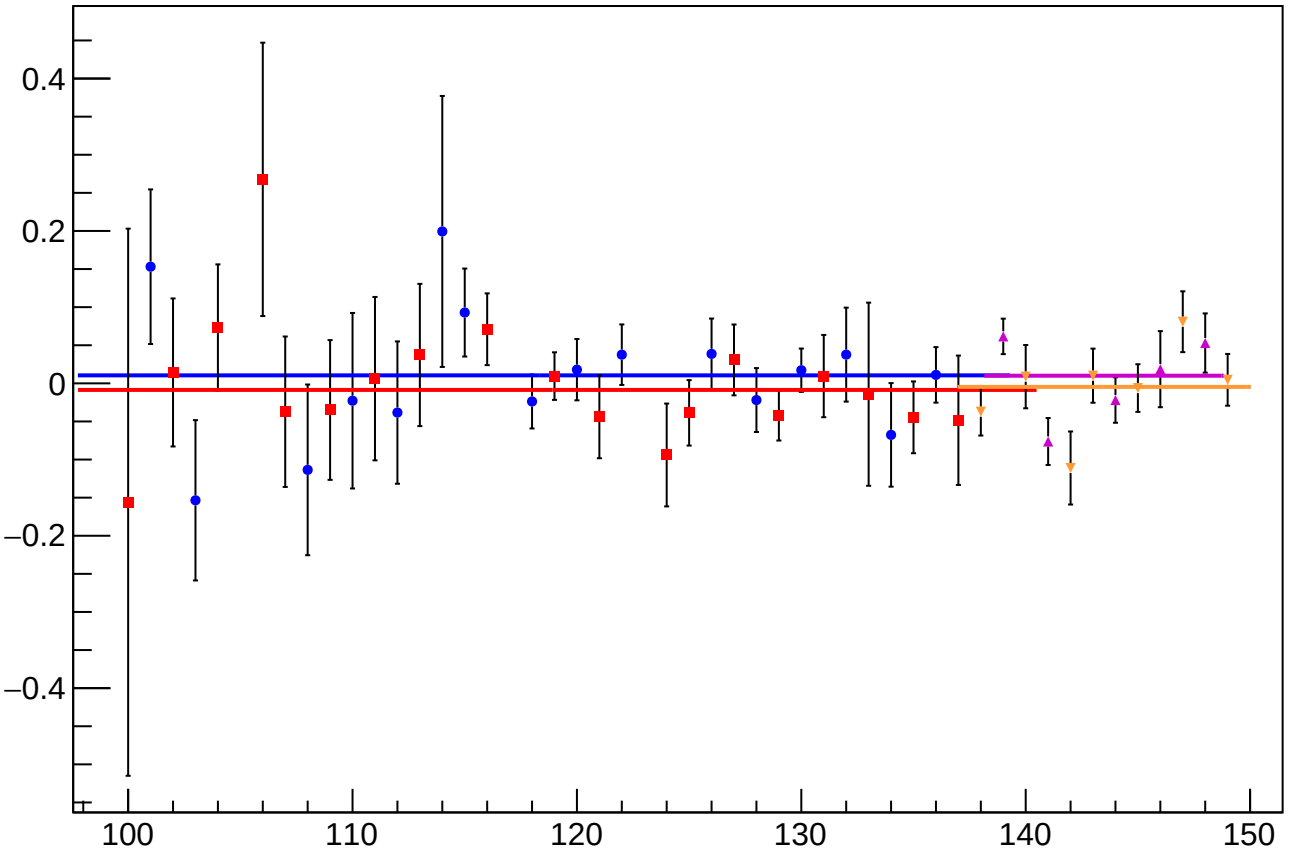
Left: 0.001+/-0.000 χ^2/NDF: 1364917.3/11

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:4338378.3/25

All: 0.002+/-0.000 χ^2/NDF: 9388692.2/46



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.005+/-0.014 χ^2/NDF:11.0/6

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

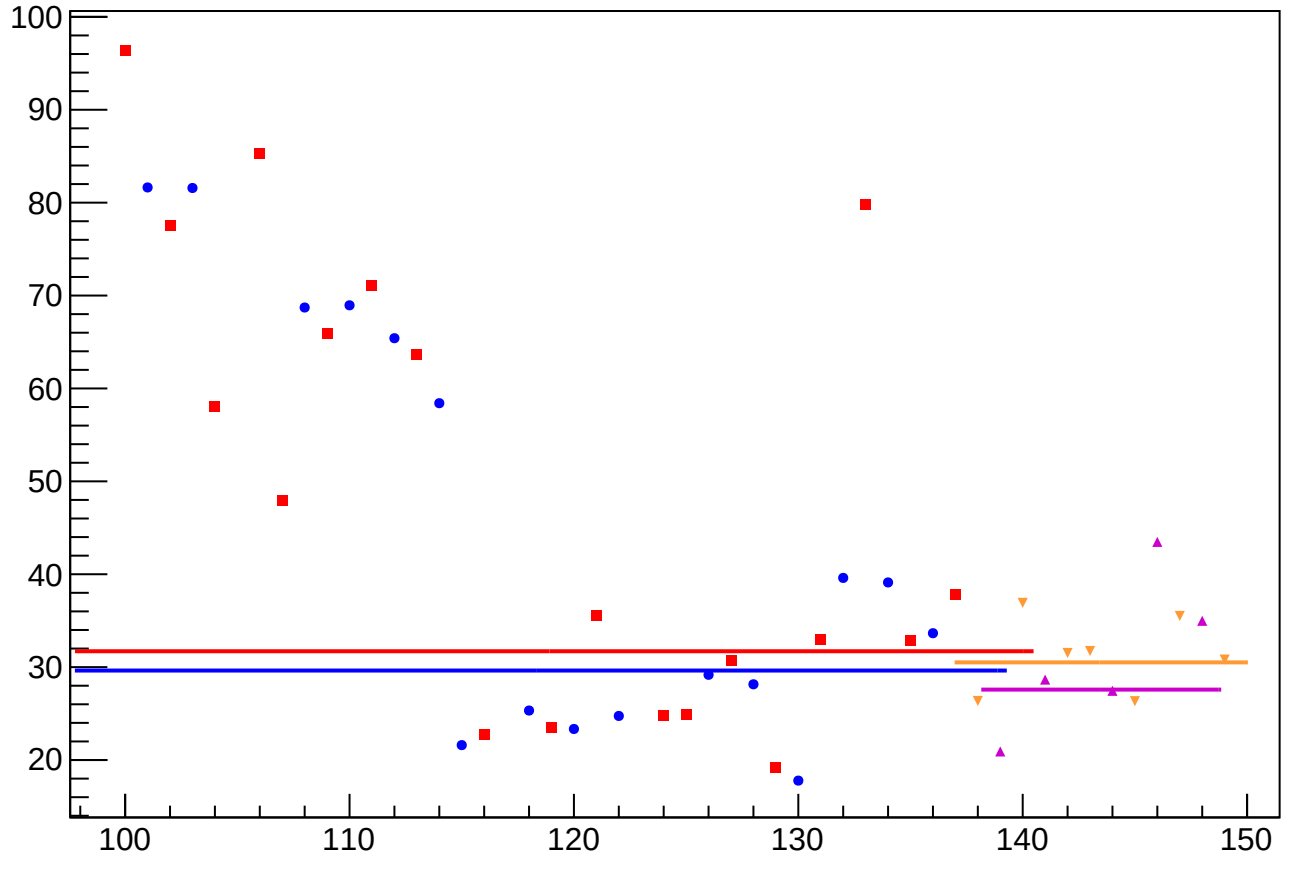
Left: 0.003+/-0.010 χ^2/NDF: 26.7/11

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.007+/-0.010 χ^2/NDF:23.4/25

All: 0.002+/-0.007 χ^2/NDF: 53.4/46



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.512+/-0.010 χ^2/NDF:153335.9/6

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

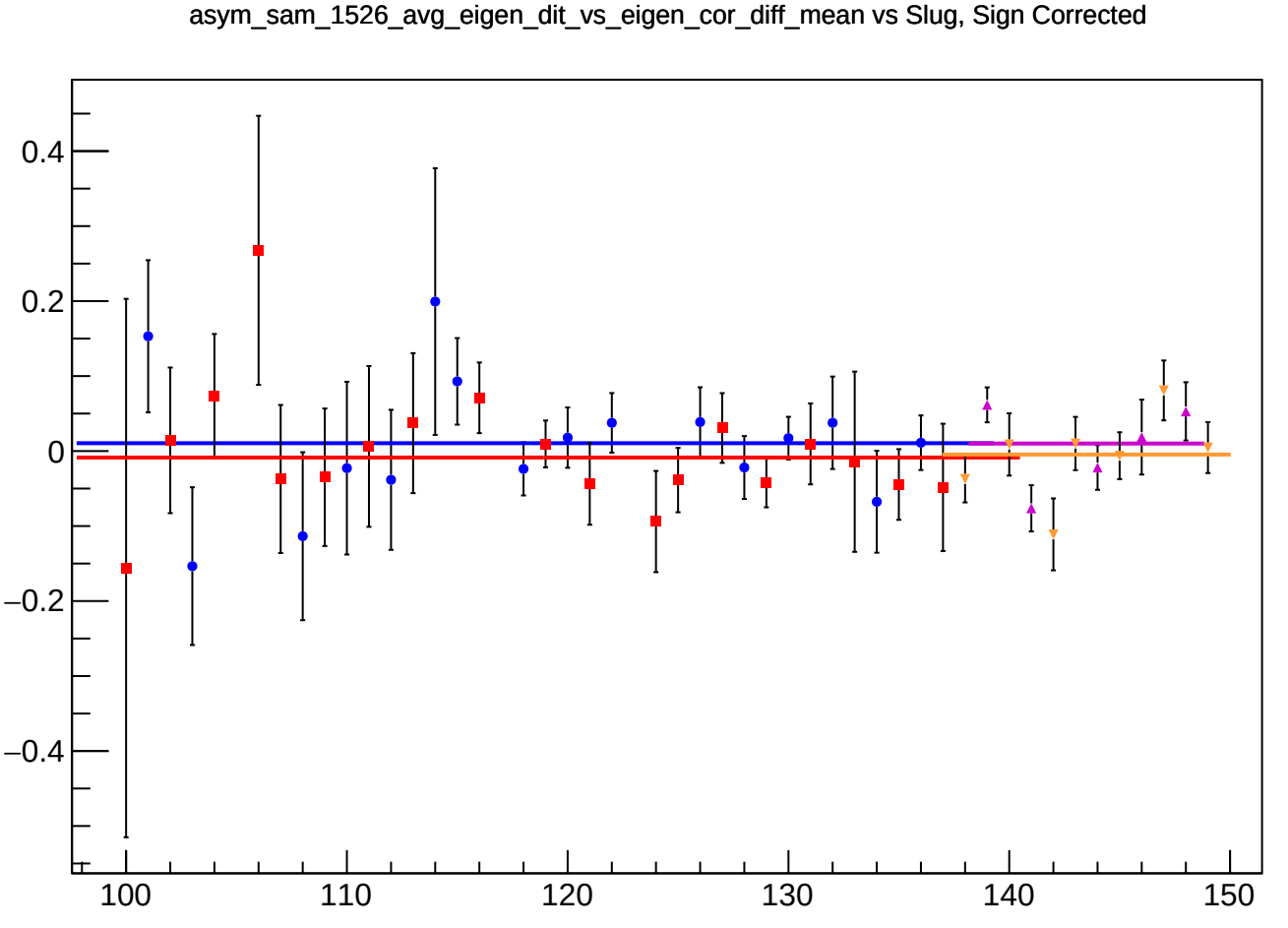
Left: 29.083+/-0.007 χ^2/NDF: 639704.0/11

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.719+/-0.007 χ^2/NDF:2914009.6/20

Out: 31.131+/-0.007 χ^2/NDF:2812902.7/25

All: 29.905+/-0.005 χ^2/NDF: 5792266.2/46



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.005+/-0.014 χ^2/NDF:11.0/6

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.014 χ^2/NDF:15.2/4

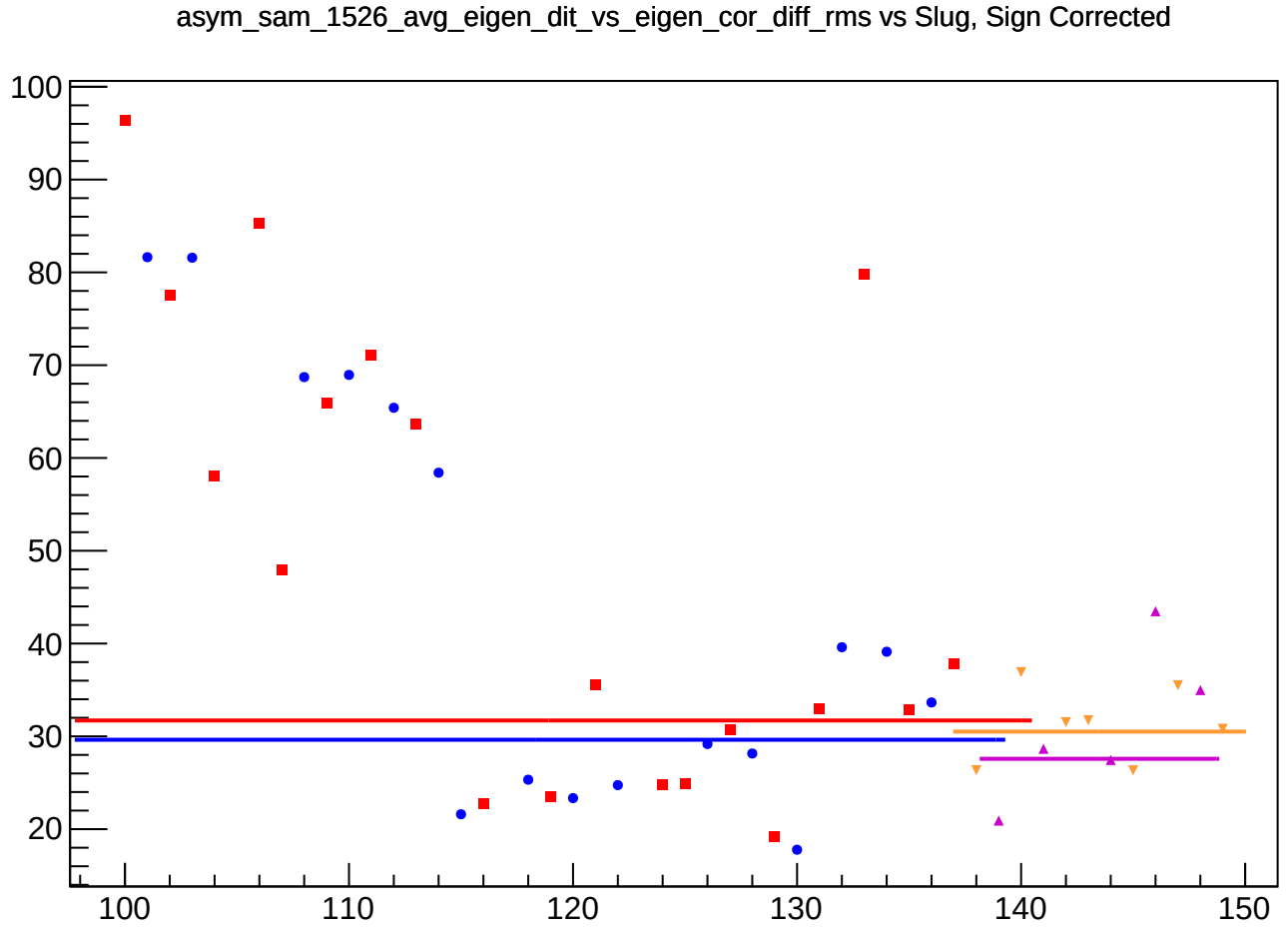
Left: 0.003+/-0.010 χ^2/NDF: 26.7/11

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/20

Out: -0.007+/-0.010 χ^2/NDF:23.4/25

All: 0.002+/-0.007 χ^2/NDF: 53.4/46



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.512+/-0.010 χ^2/NDF:153335.9/6

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.581+/-0.010 χ^2/NDF:441546.9/4

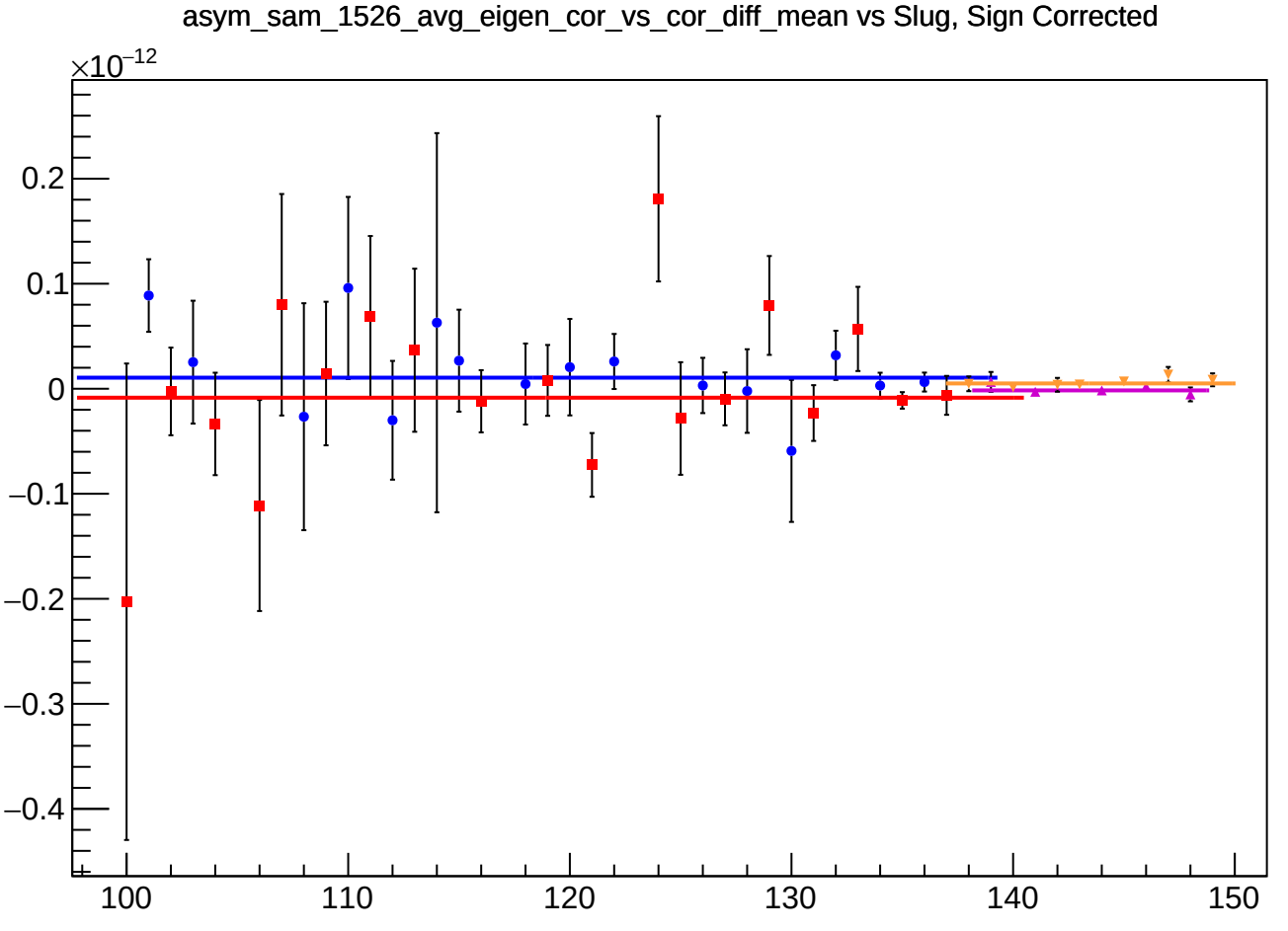
Left: 29.083+/-0.007 χ^2/NDF: 639704.0/11

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.719+/-0.007 χ^2/NDF:2914009.6/20

Out: 31.131+/-0.007 χ^2/NDF:2812902.7/25

All: 29.905+/-0.005 χ^2/NDF: 5792266.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/4

Left: 0.000+/-0.000 χ^2/NDF: 10.8/11

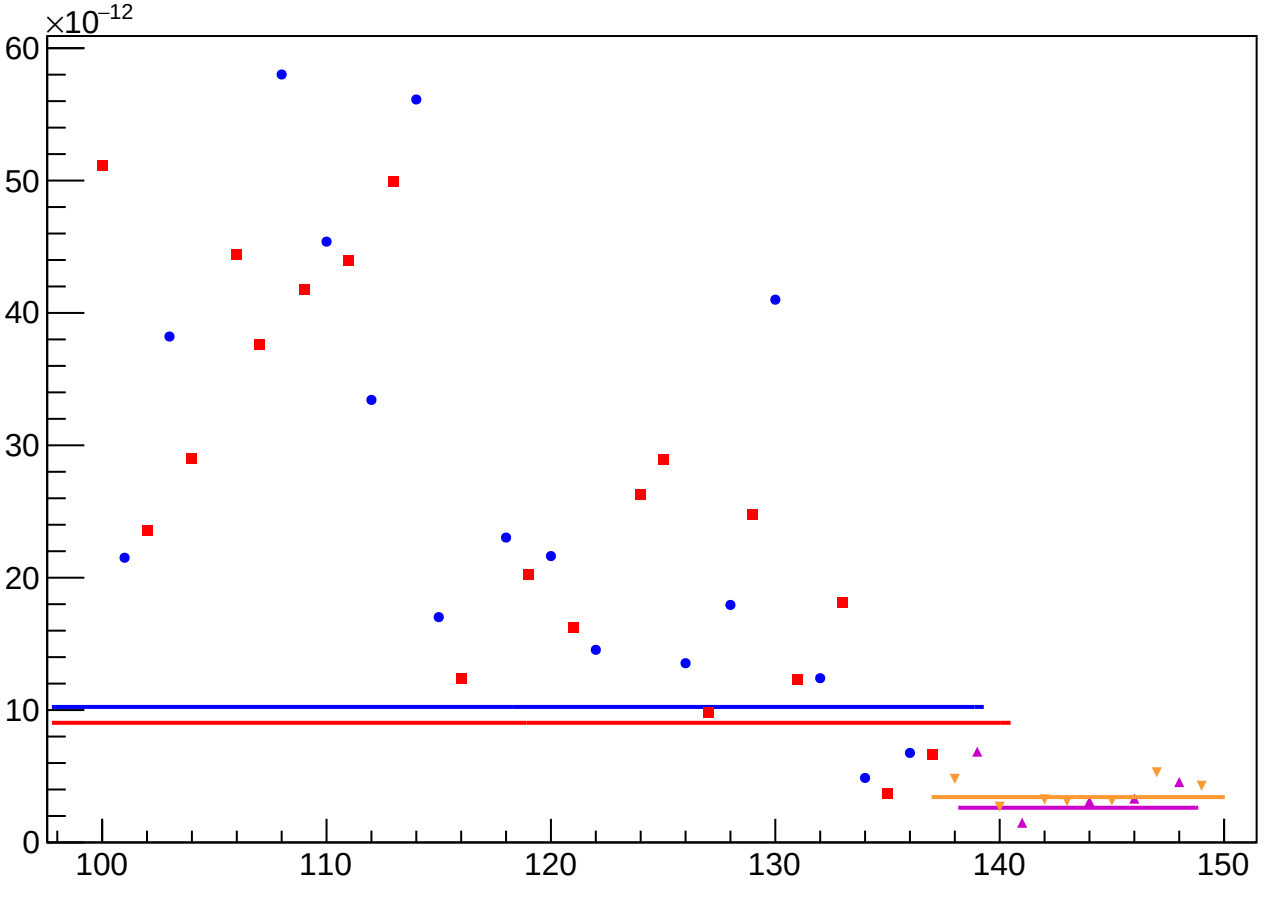
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: -0.000+/-0.000 χ^2/NDF:15.7/20

Out: 0.000+/-0.000 χ^2/NDF:29.0/25

All: 0.000+/-0.000 χ^2/NDF: 47.4/46

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:340187.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1000096.9/4

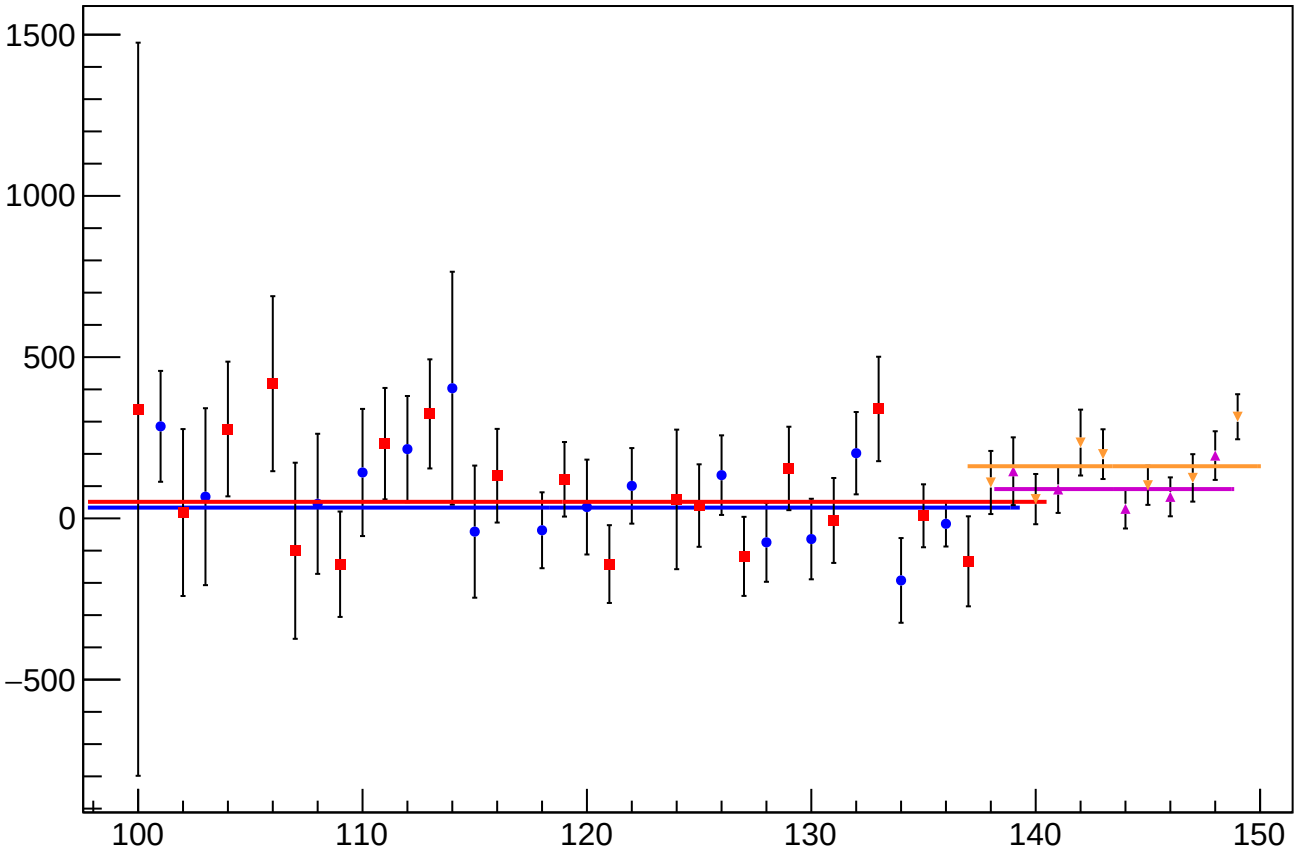
Left: 0.000+/-0.000 χ^2/NDF: 1517012.7/11

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:6475105.3/25

All: 0.000+/-0.000 χ^2/NDF: 14058442.1/46



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 161.715+/-28.938 χ^2/NDF:8.7/6

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 90.880+/-31.652 χ^2/NDF:3.3/4

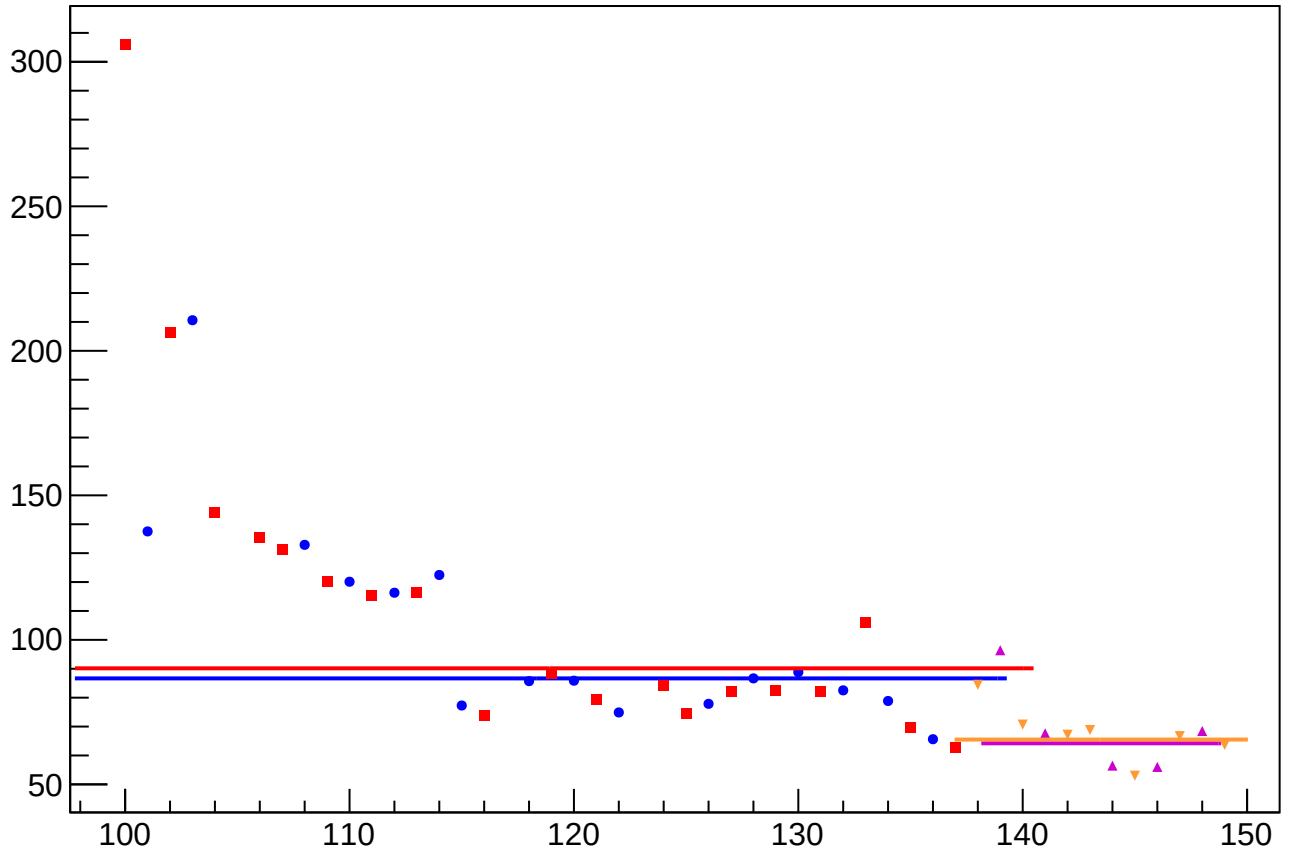
Left: 129.463+/-21.357 χ^2/NDF: 14.8/11

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 64.107+/-23.129 χ^2/NDF:17.7/20

Out: 116.669+/-22.264 χ^2/NDF:34.2/25

All: 91.390+/-16.040 χ^2/NDF: 54.6/46



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.503+/-0.020 χ^2/NDF:174570.8/6

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

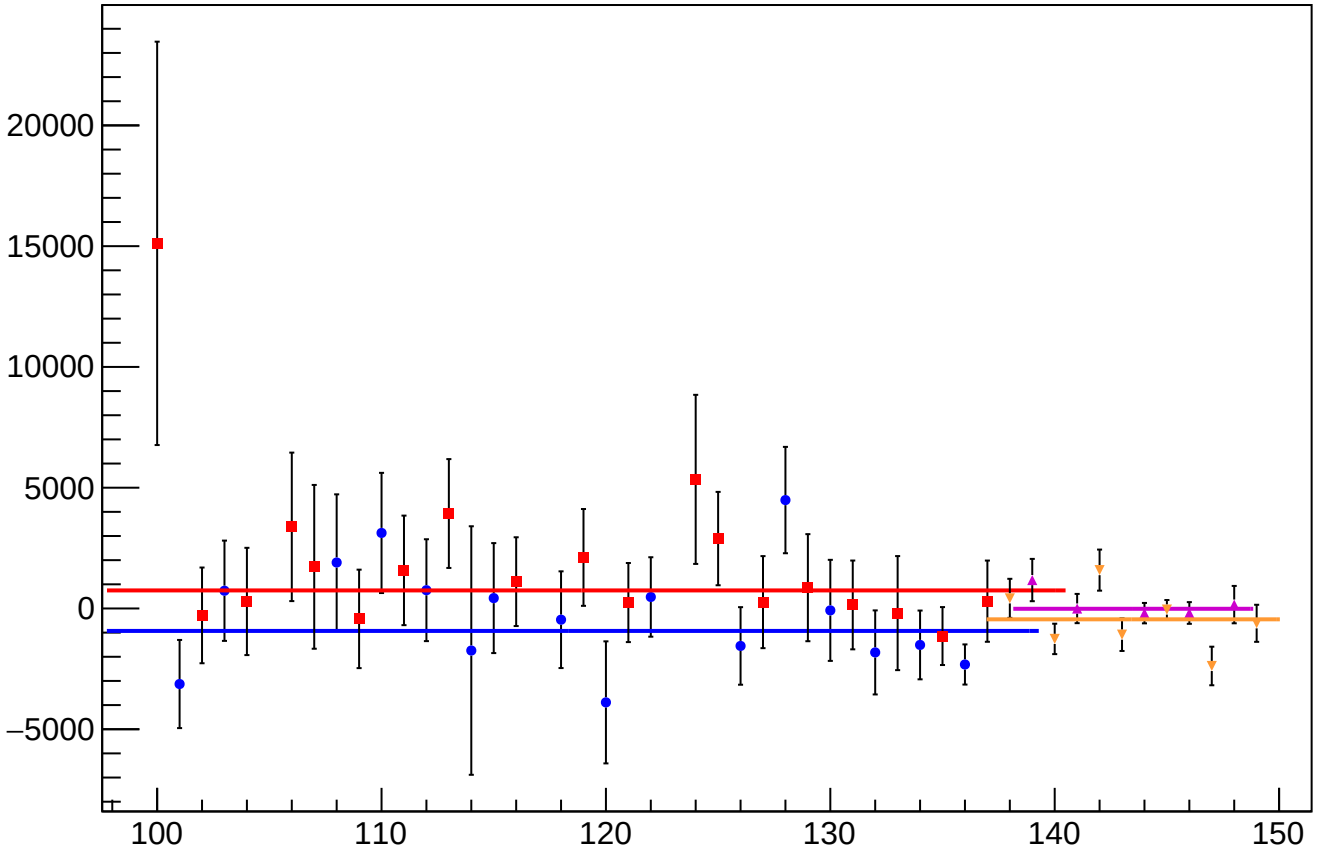
Left: 64.916+/-0.015 χ^2/NDF: 443569.9/11

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 74.677+/-0.016 χ^2/NDF:1775035.2/20

Out: 75.562+/-0.016 χ^2/NDF:1916774.4/25

All: 75.136+/-0.011 χ^2/NDF: 3693332.0/46



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -449.744+/-240.406 χ^2/NDF:16.4/6

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -13.252+/-247.998 χ^2/NDF:2.2/4

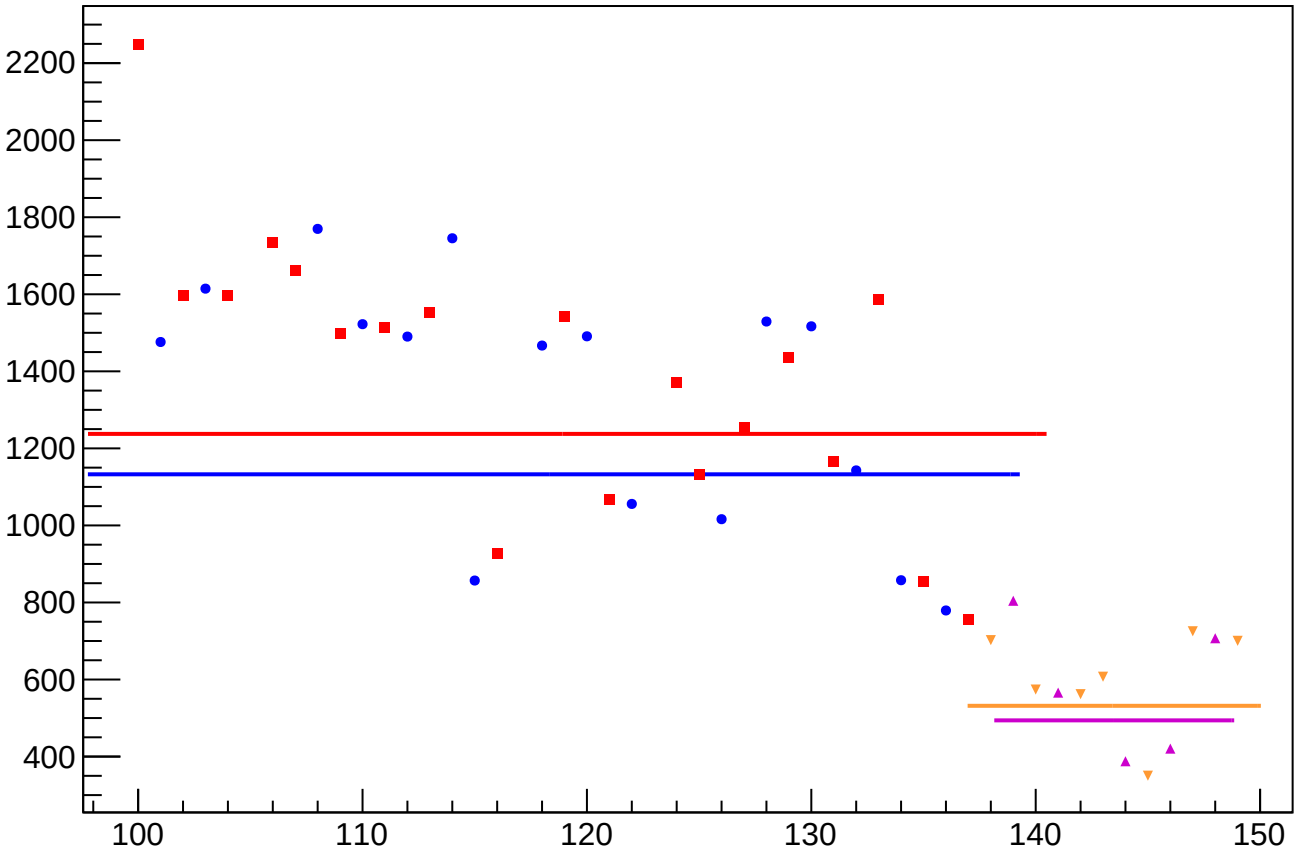
Left: -238.282+/-172.614 χ^2/NDF: 20.2/11

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -233.549+/-216.150 χ^2/NDF:24.0/20

Out: -199.761+/-213.833 χ^2/NDF:34.5/25

All: -216.473+/-152.015 χ^2/NDF: 58.6/46



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 531.787+/-0.170 χ^2/NDF:761475.9/6

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 493.988+/-0.175 χ^2/NDF:610843.0/4

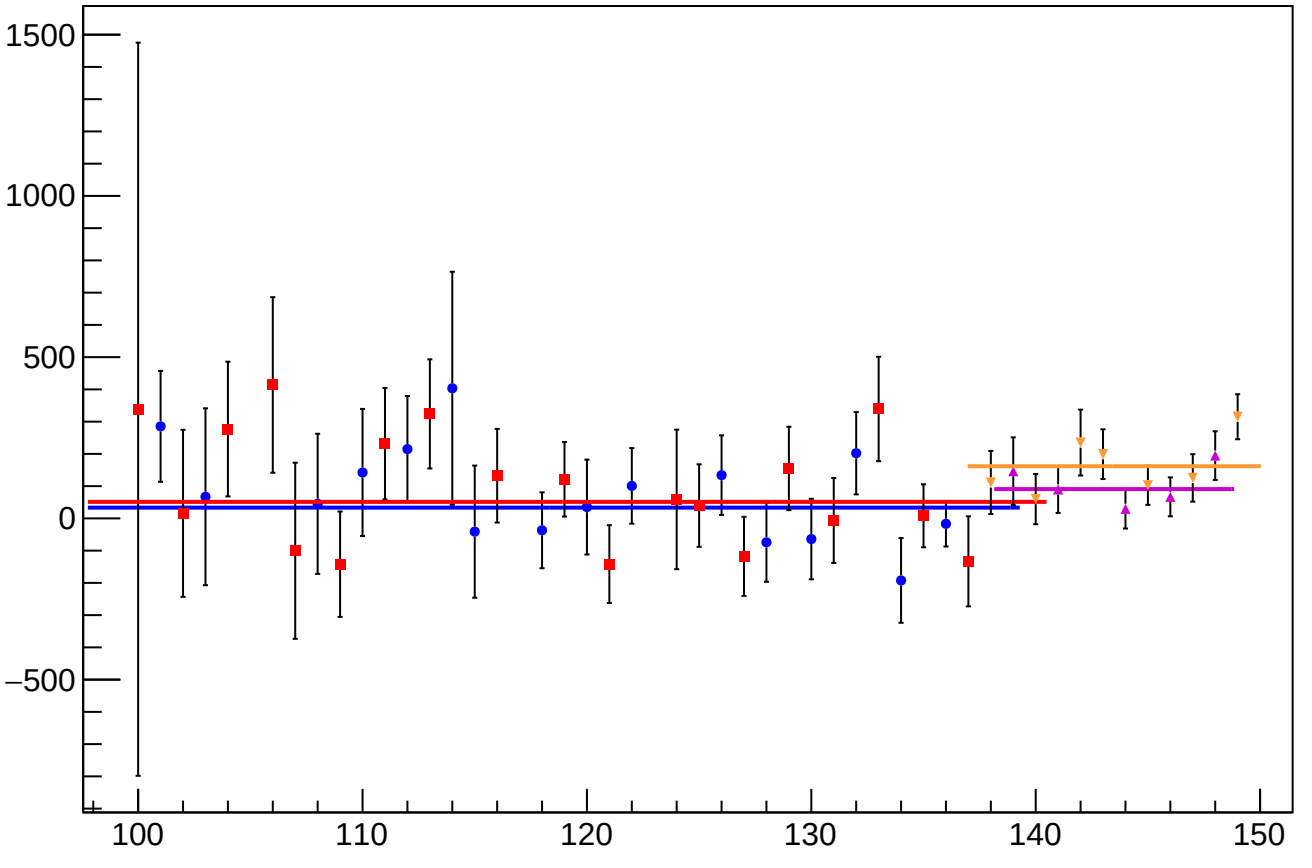
Left: 513.475+/-0.122 χ^2/NDF: 1396271.7/11

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 647.499+/-0.153 χ^2/NDF:4923383.7/20

Out: 679.195+/-0.151 χ^2/NDF:5257155.1/25

All: 663.518+/-0.107 χ^2/NDF: 10202272.7/46



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 161.722+/-28.938 χ^2/NDF:8.7/6

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 90.879+/-31.652 χ^2/NDF:3.3/4

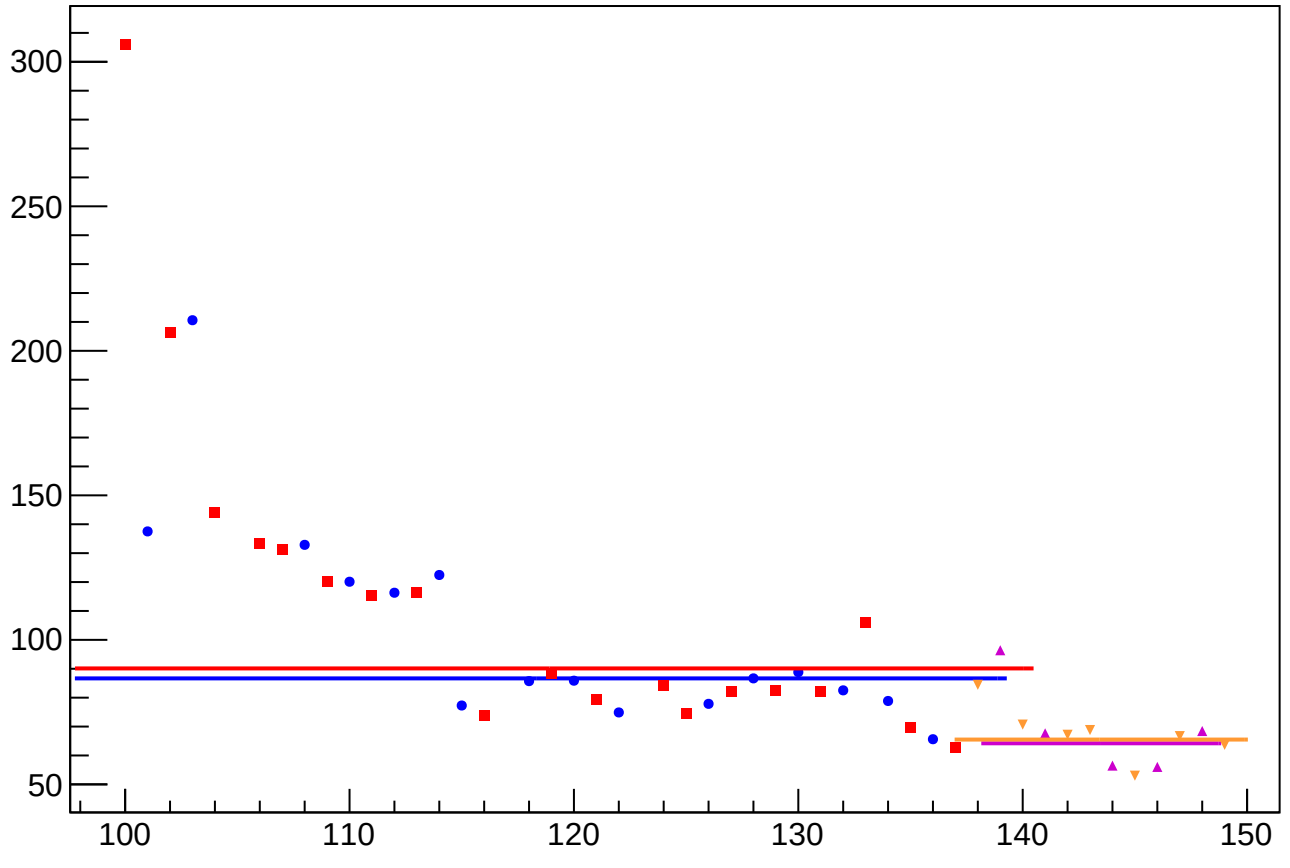
Left: 129.467+/-21.357 χ^2/NDF: 14.8/11

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 64.103+/-23.129 χ^2/NDF:17.7/20

Out: 116.616+/-22.264 χ^2/NDF:34.2/25

All: 91.360+/-16.040 χ^2/NDF: 54.6/46



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.503+/-0.020 χ^2/NDF:174570.8/6

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.213+/-0.022 χ^2/NDF:267189.8/4

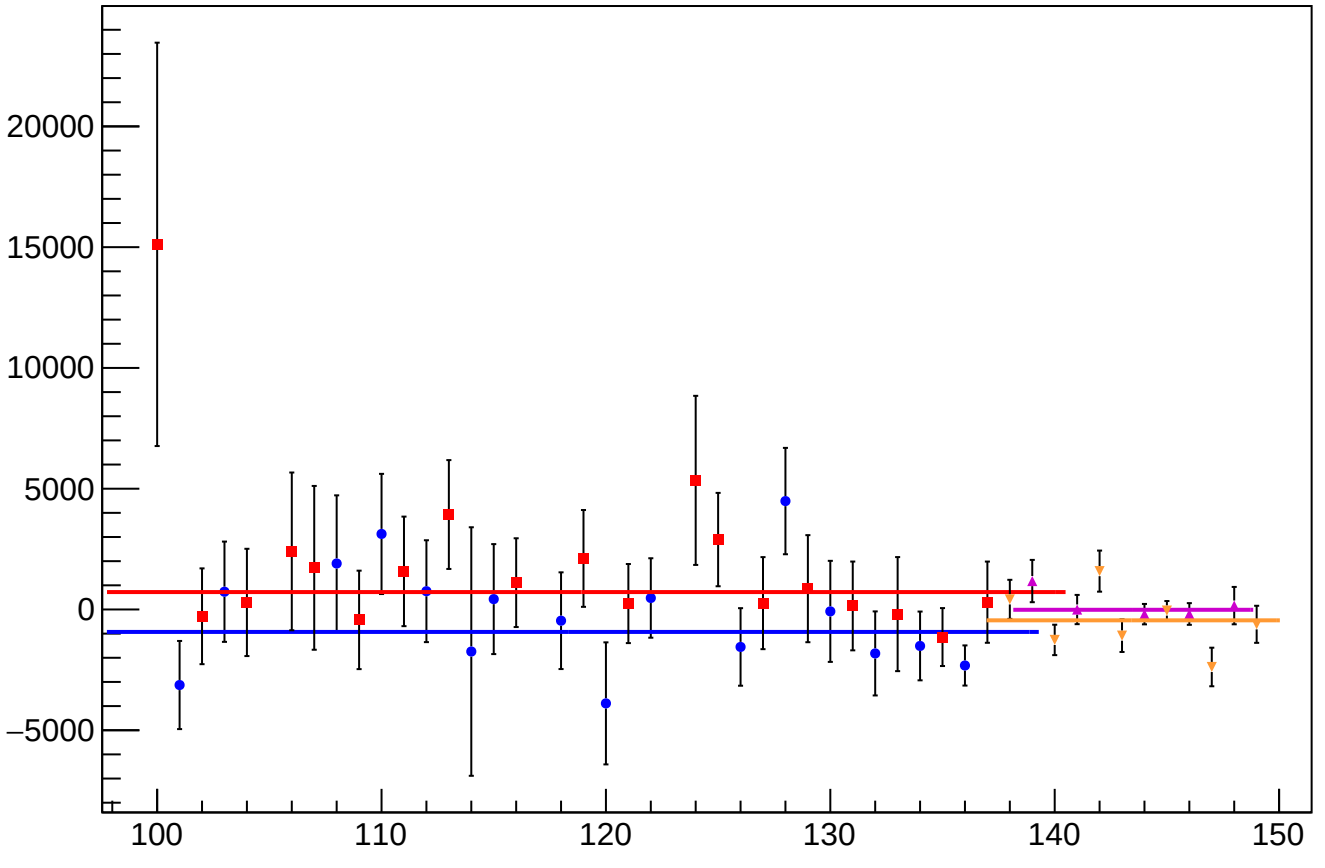
Left: 64.916+/-0.015 χ^2/NDF: 443569.9/11

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 74.677+/-0.016 χ^2/NDF:1775037.9/20

Out: 75.547+/-0.016 χ^2/NDF:1910257.5/25

All: 75.128+/-0.011 χ^2/NDF: 3686763.7/46



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -449.737+/-240.406 χ^2/NDF:16.4/6

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -13.247+/-247.998 χ^2/NDF:2.2/4

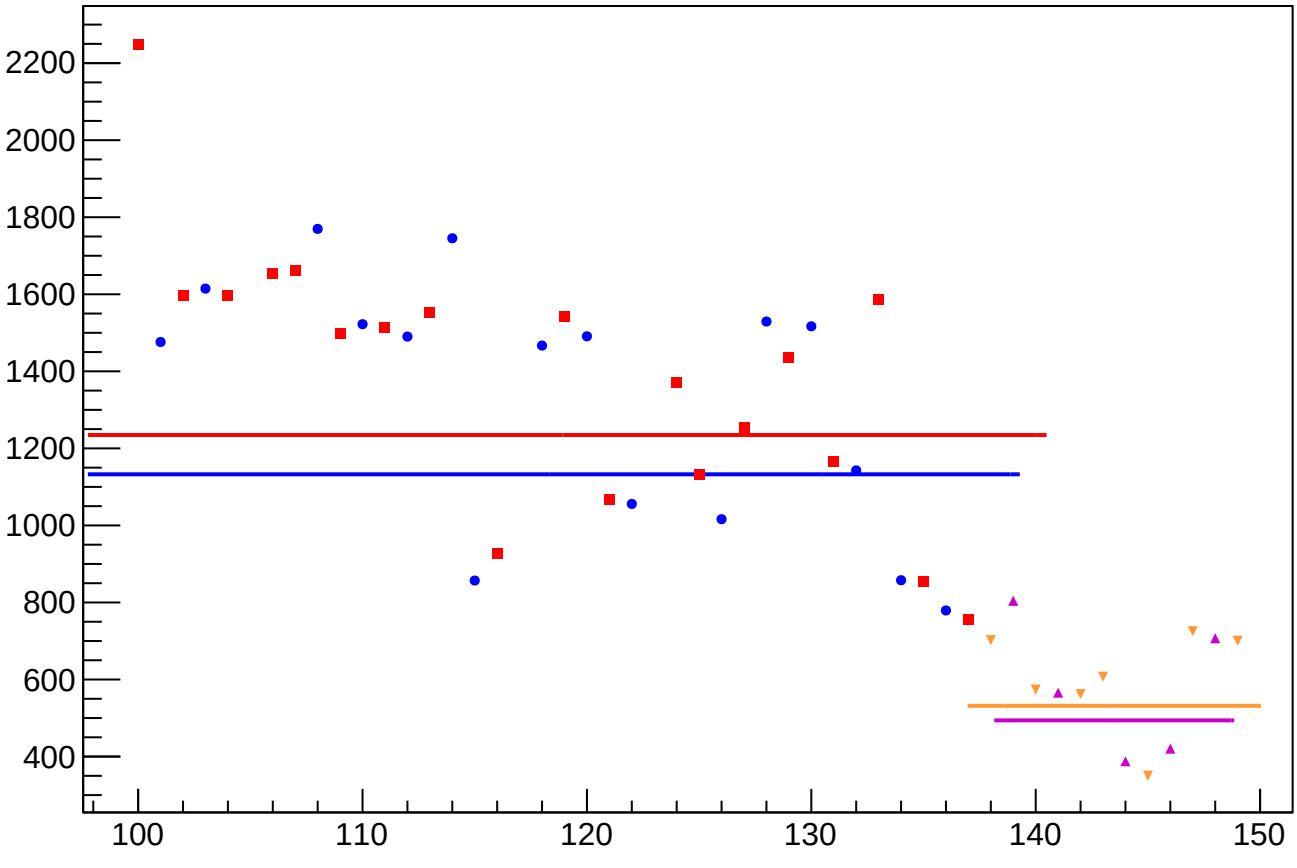
Left: -238.276+/-172.614 χ^2/NDF: 20.2/11

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -233.536+/-216.150 χ^2/NDF:24.0/20

Out: -205.837+/-213.893 χ^2/NDF:33.8/25

All: -219.541+/-152.037 χ^2/NDF: 57.9/46



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.786+/-0.170 χ^2/NDF:761476.5/6

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

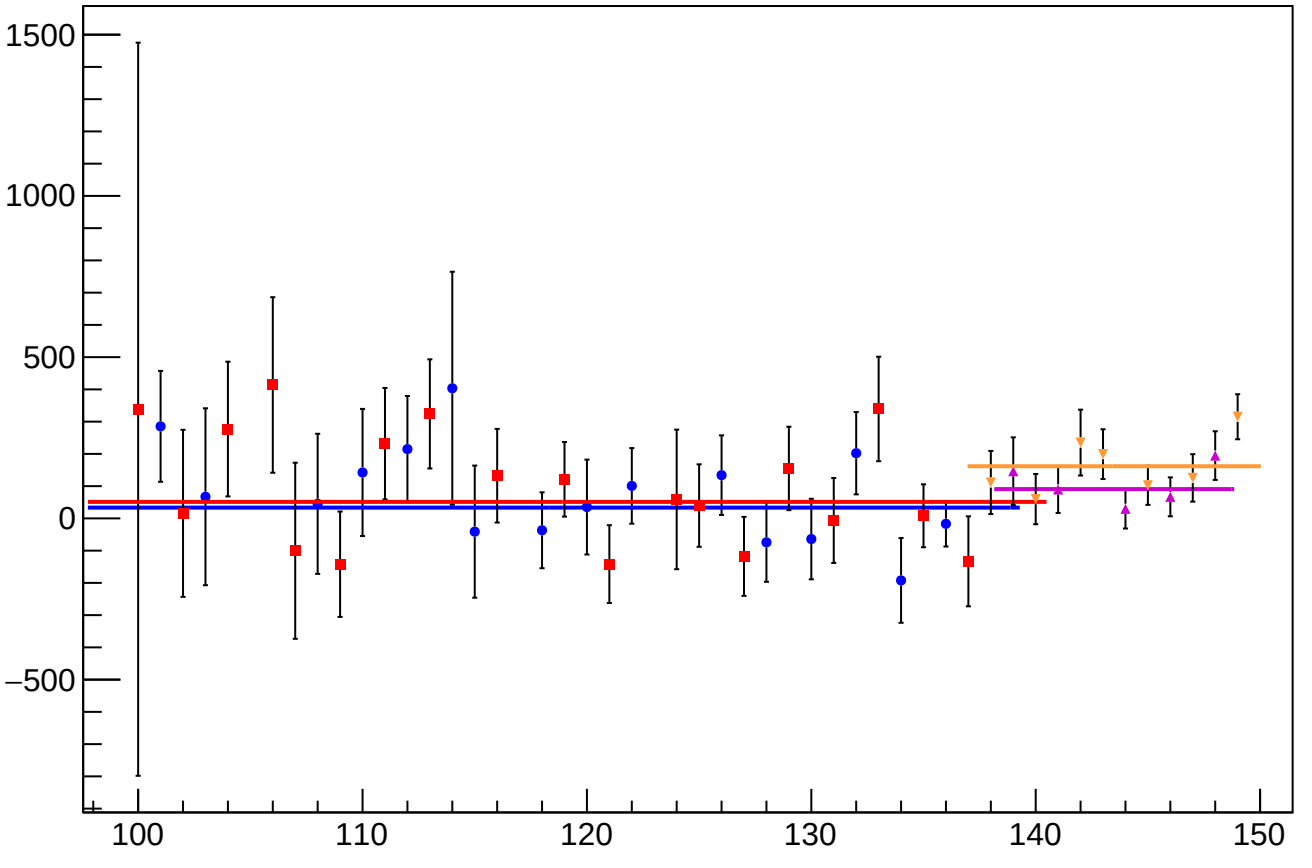
Left: 513.474+/-0.122 χ^2/NDF: 1396272.2/11

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 647.499+/-0.153 χ^2/NDF:4923420.3/20

Out: 678.276+/-0.151 χ^2/NDF:5201085.0/25

All: 663.049+/-0.108 χ^2/NDF: 10144992.5/46



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 161.722+/-28.938 χ^2/NDF:8.7/6

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 90.879+/-31.652 χ^2/NDF:3.3/4

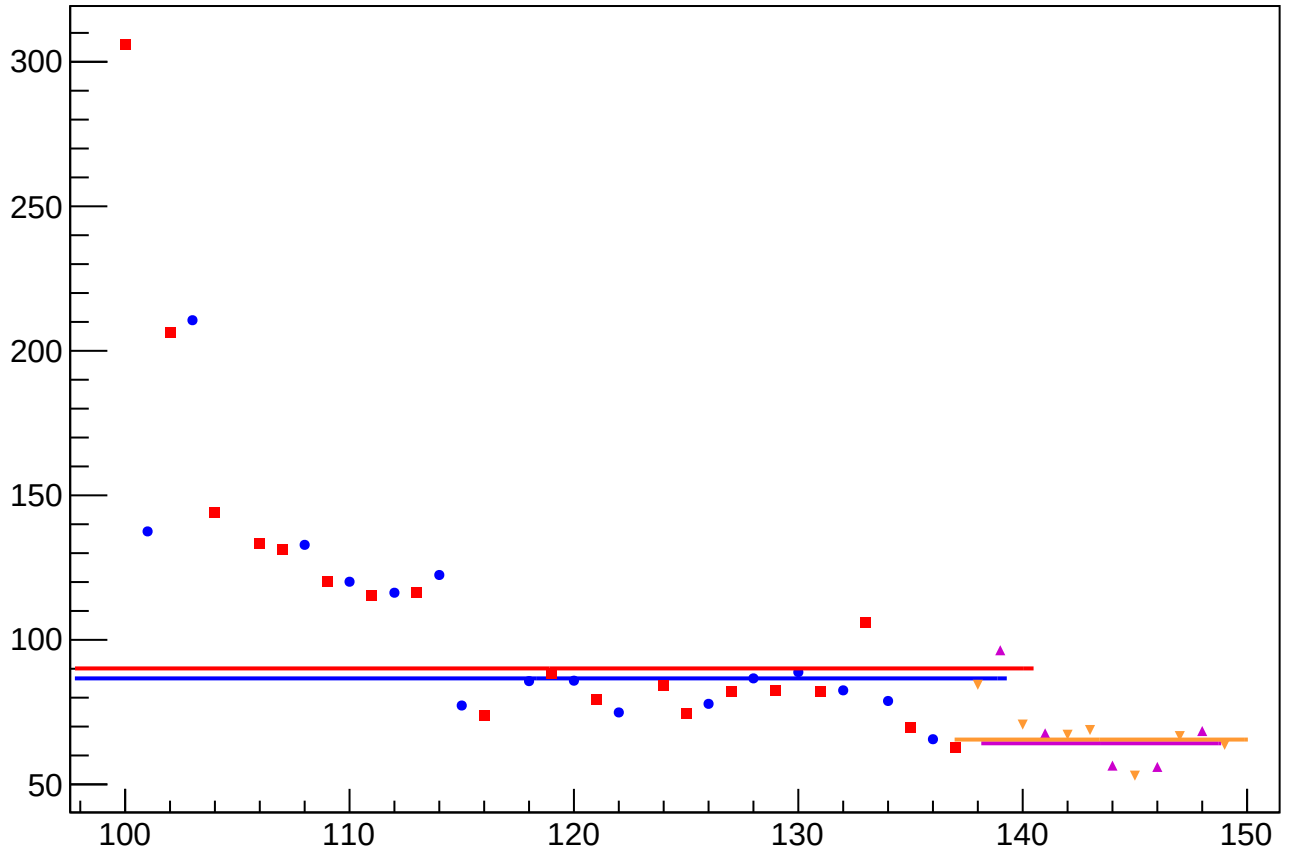
Left: 129.467+/-21.357 χ^2/NDF: 14.8/11

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 64.103+/-23.129 χ^2/NDF:17.7/20

Out: 116.616+/-22.264 χ^2/NDF:34.2/25

All: 91.360+/-16.040 χ^2/NDF: 54.6/46



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.503+/-0.020 χ^2/NDF:174570.8/6

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: 64.916+/-0.015 χ^2/NDF: 443569.9/11

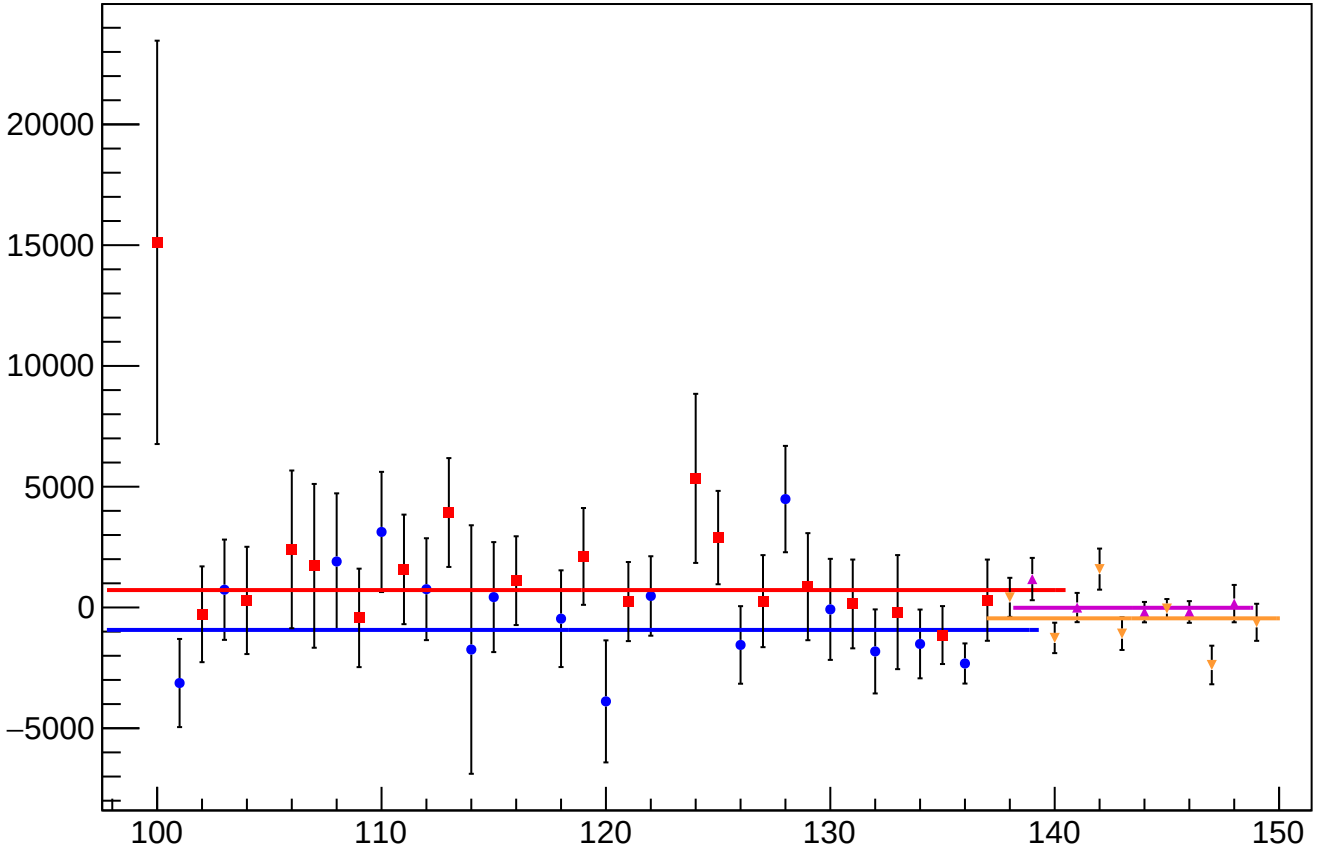
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 74.677+/-0.016 χ^2/NDF:1775037.9/20

Out: 75.547+/-0.016 χ^2/NDF:1910257.5/25

All: 75.128+/-0.011 χ^2/NDF: 3686763.7/46

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: -449.737+/-240.406 χ^2/NDF:16.4/6

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -13.247+/-247.998 χ^2/NDF:2.2/4

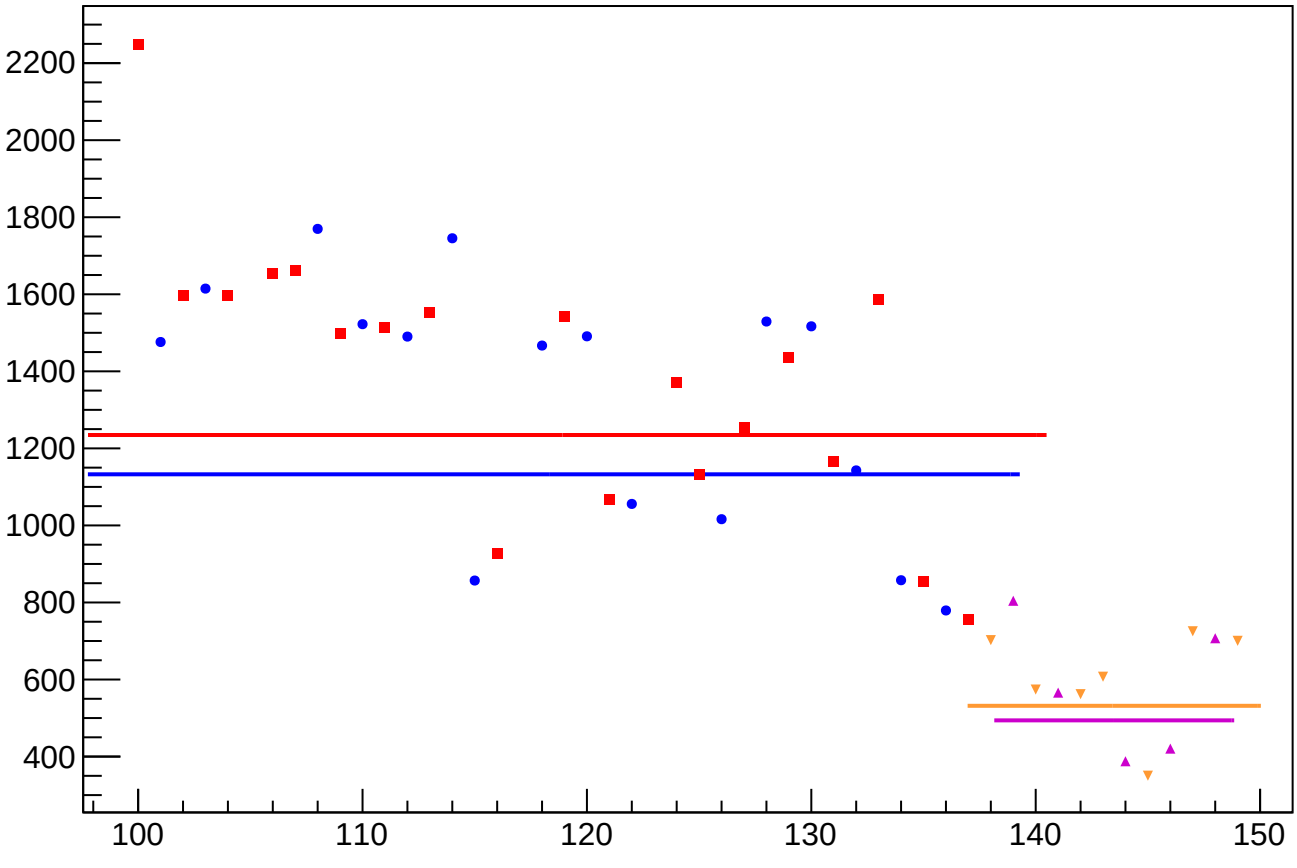
Left: -238.276+/-172.614 χ^2/NDF: 20.2/11

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -233.536+/-216.150 χ^2/NDF:24.0/20

Out: -205.837+/-213.893 χ^2/NDF:33.8/25

All: -219.541+/-152.037 χ^2/NDF: 57.9/46



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.786+/-0.170 χ^2/NDF:761476.5/6

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 493.988+/-0.175 χ^2/NDF:610843.4/4

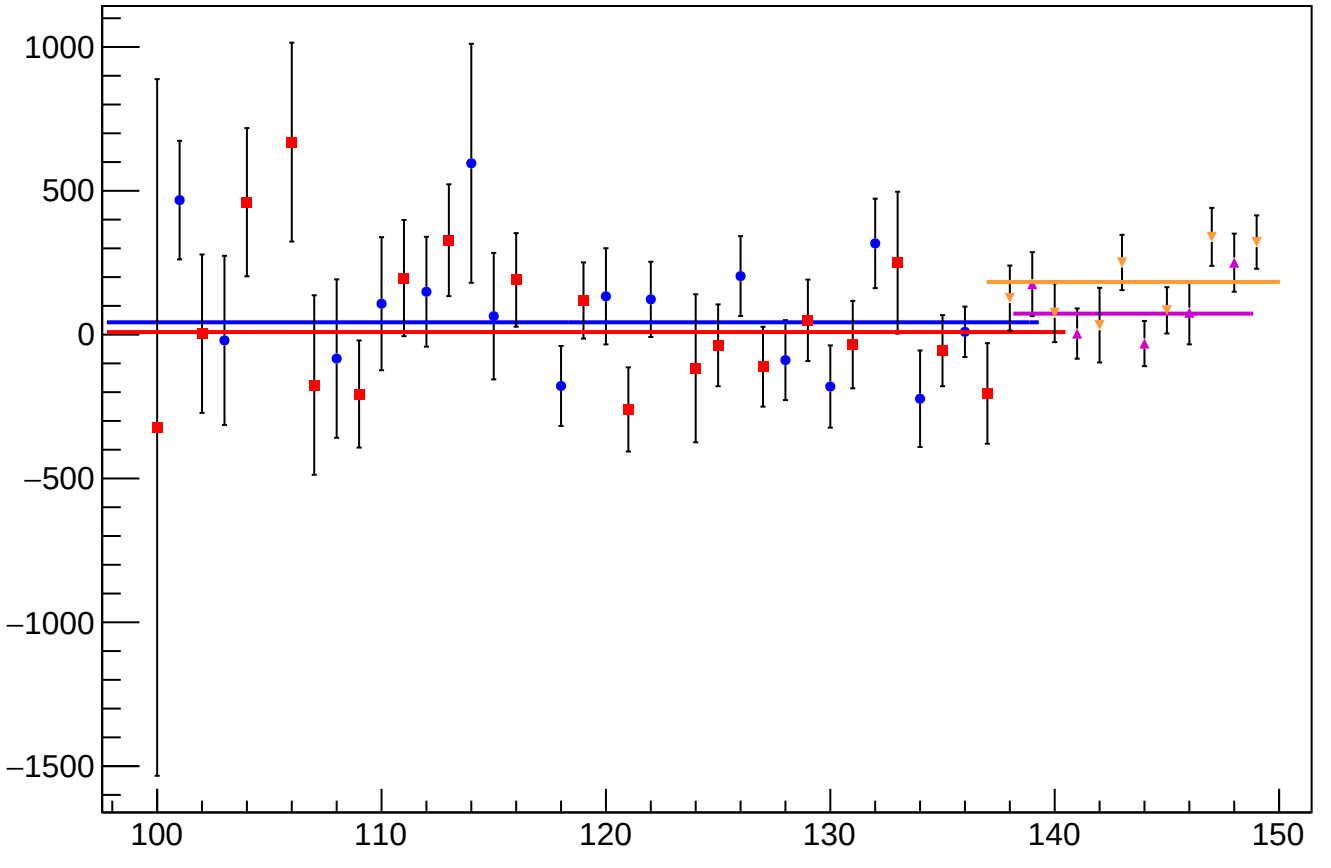
Left: 513.474+/-0.122 χ^2/NDF: 1396272.2/11

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 647.499+/-0.153 χ^2/NDF:4923420.3/20

Out: 678.276+/-0.151 χ^2/NDF:5201085.0/25

All: 663.049+/-0.108 χ^2/NDF: 10144992.5/46



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 183.329+/-37.524 χ^2/NDF:9.3/6

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 73.114+/-42.478 χ^2/NDF:6.3/4

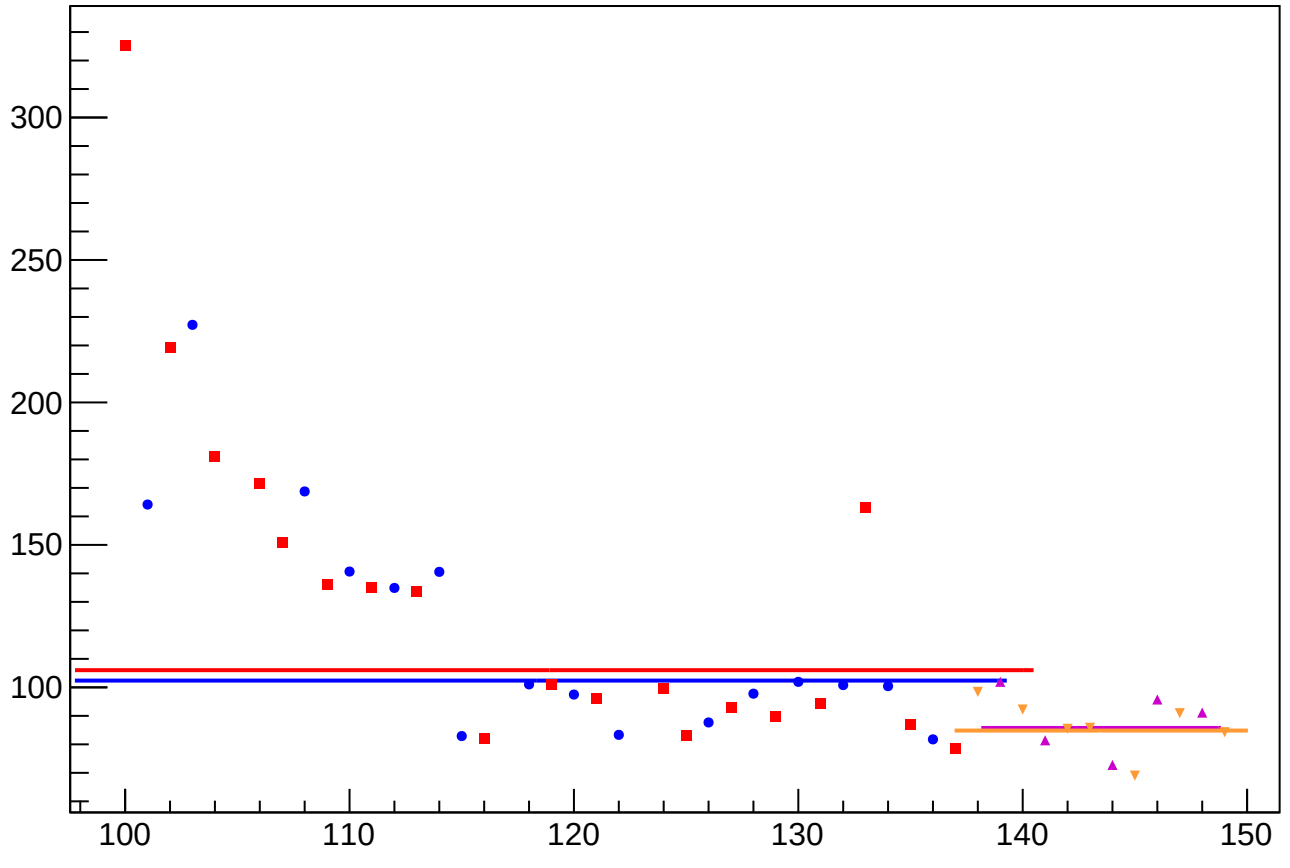
Left: 135.021+/-28.123 χ^2/NDF: 19.4/11

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 57.088+/-29.101 χ^2/NDF:26.9/20

Out: 103.988+/-27.699 χ^2/NDF:40.5/25

All: 81.695+/-20.063 χ^2/NDF: 68.7/46



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.841+/-0.027 χ^2/NDF:124175.8/6

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.753+/-0.030 χ^2/NDF:124061.3/4

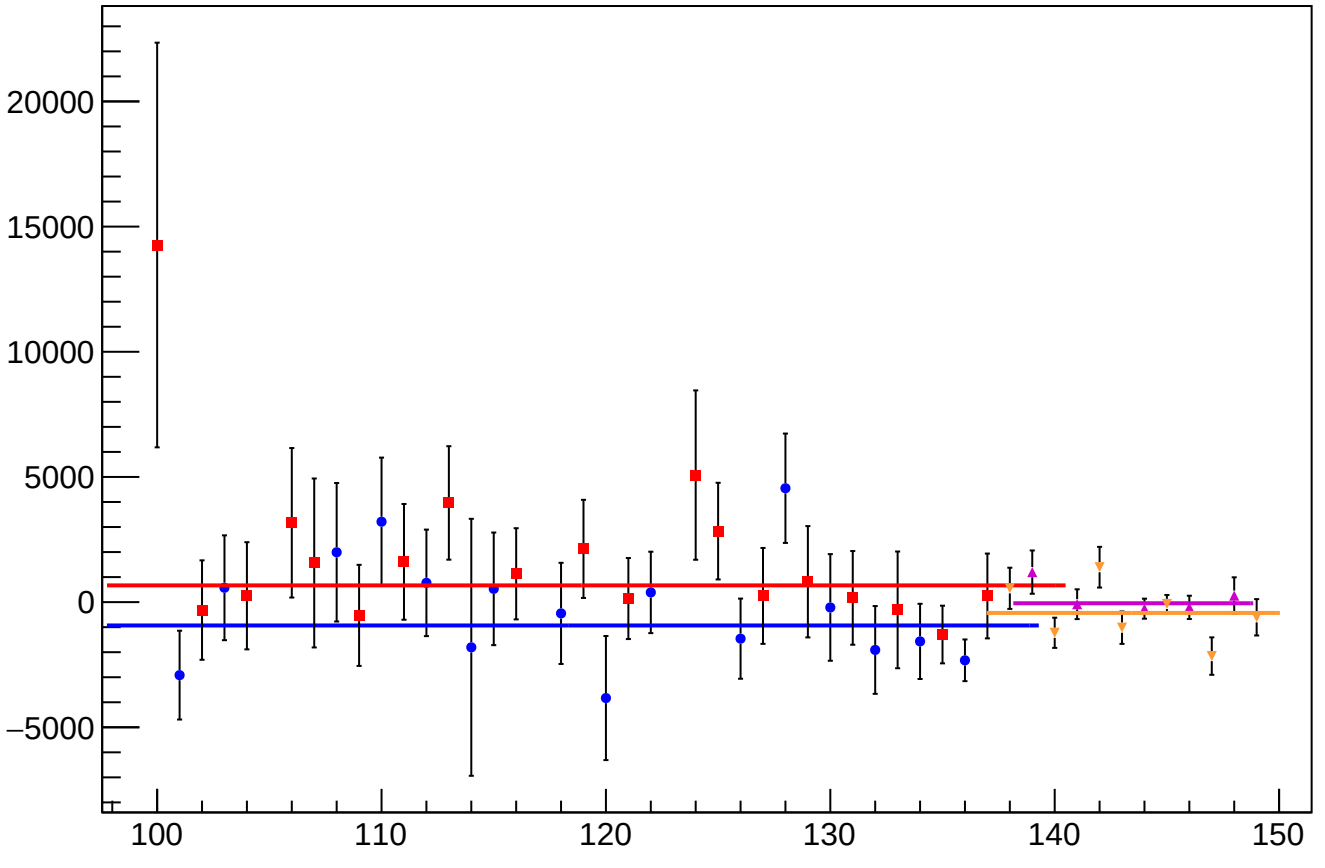
Left: 85.241+/-0.020 χ^2/NDF: 248755.2/11

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 94.576+/-0.021 χ^2/NDF:1268943.2/20

Out: 94.485+/-0.020 χ^2/NDF:1605759.1/25

All: 94.528+/-0.014 χ^2/NDF: 2874712.5/46



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -431.669+/-226.083 χ^2/NDF:15.4/6

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -44.597+/-243.274 χ^2/NDF:2.7/4

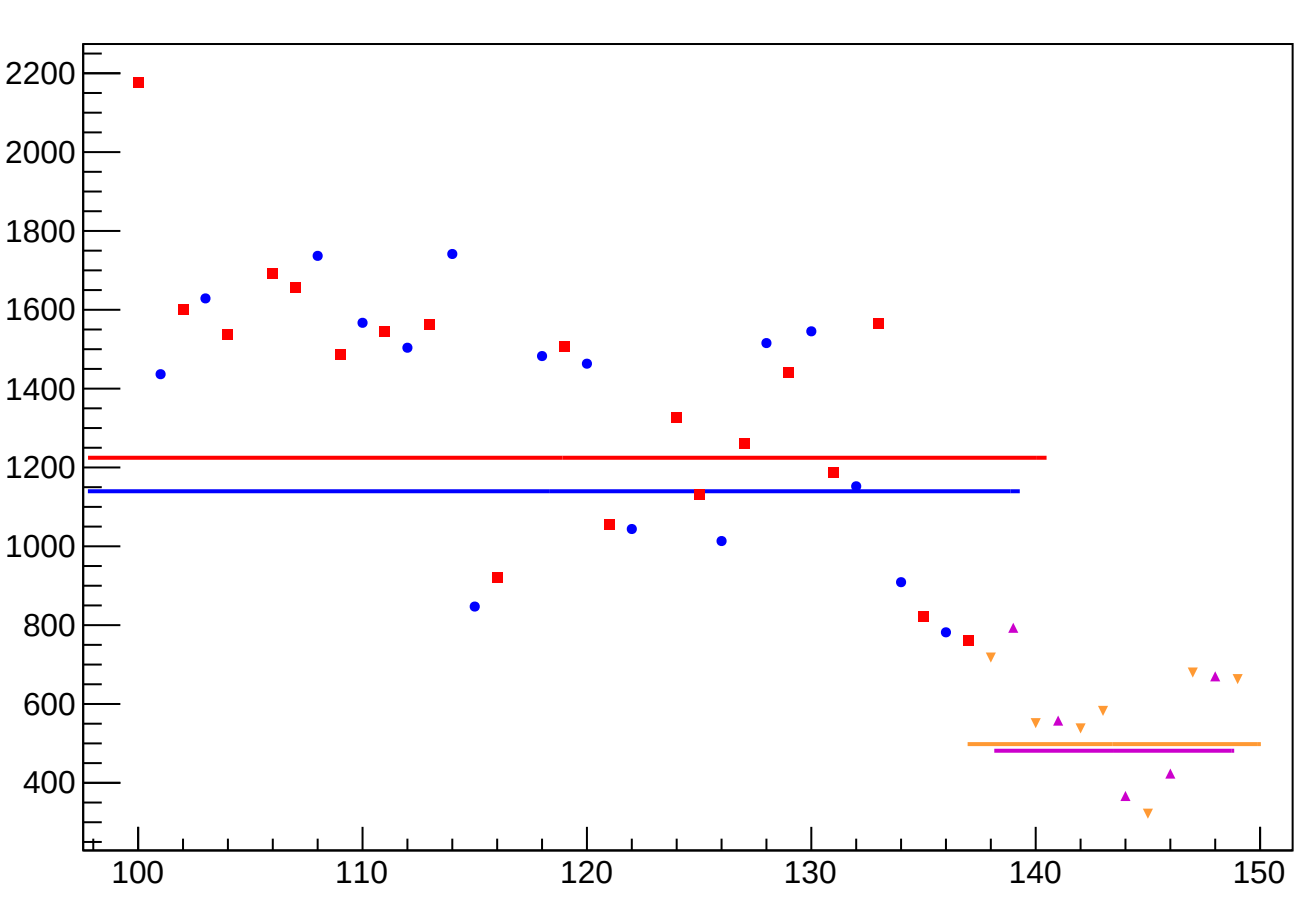
Left: -252.291+/-165.609 χ^2/NDF: 19.4/11

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -250.489+/-213.206 χ^2/NDF:24.2/20

Out: -220.006+/-203.174 χ^2/NDF:33.4/25

All: -234.514+/-147.085 χ^2/NDF: 57.7/46



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 498.222+/-0.160 χ^2/NDF:900804.7/6

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 481.402+/-0.172 χ^2/NDF:622288.0/4

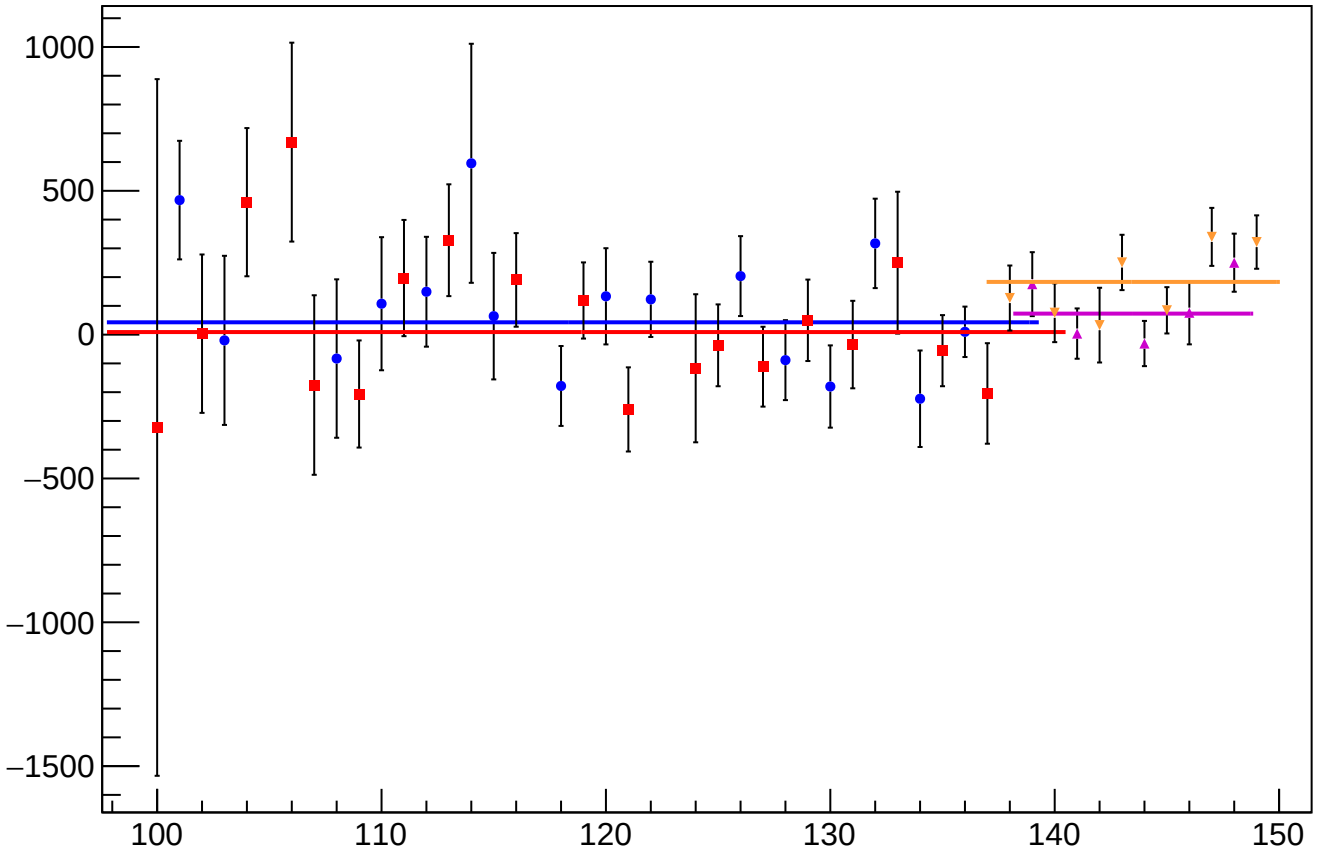
Left: 490.427+/-0.117 χ^2/NDF: 1528222.5/11

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 634.063+/-0.151 χ^2/NDF:5111636.0/20

Out: 637.975+/-0.144 χ^2/NDF:5795489.7/25

All: 636.113+/-0.104 χ^2/NDF: 10907478.7/46



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 183.328+/-37.524 χ^2/NDF:9.3/6

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 73.114+/-42.478 χ^2/NDF:6.3/4

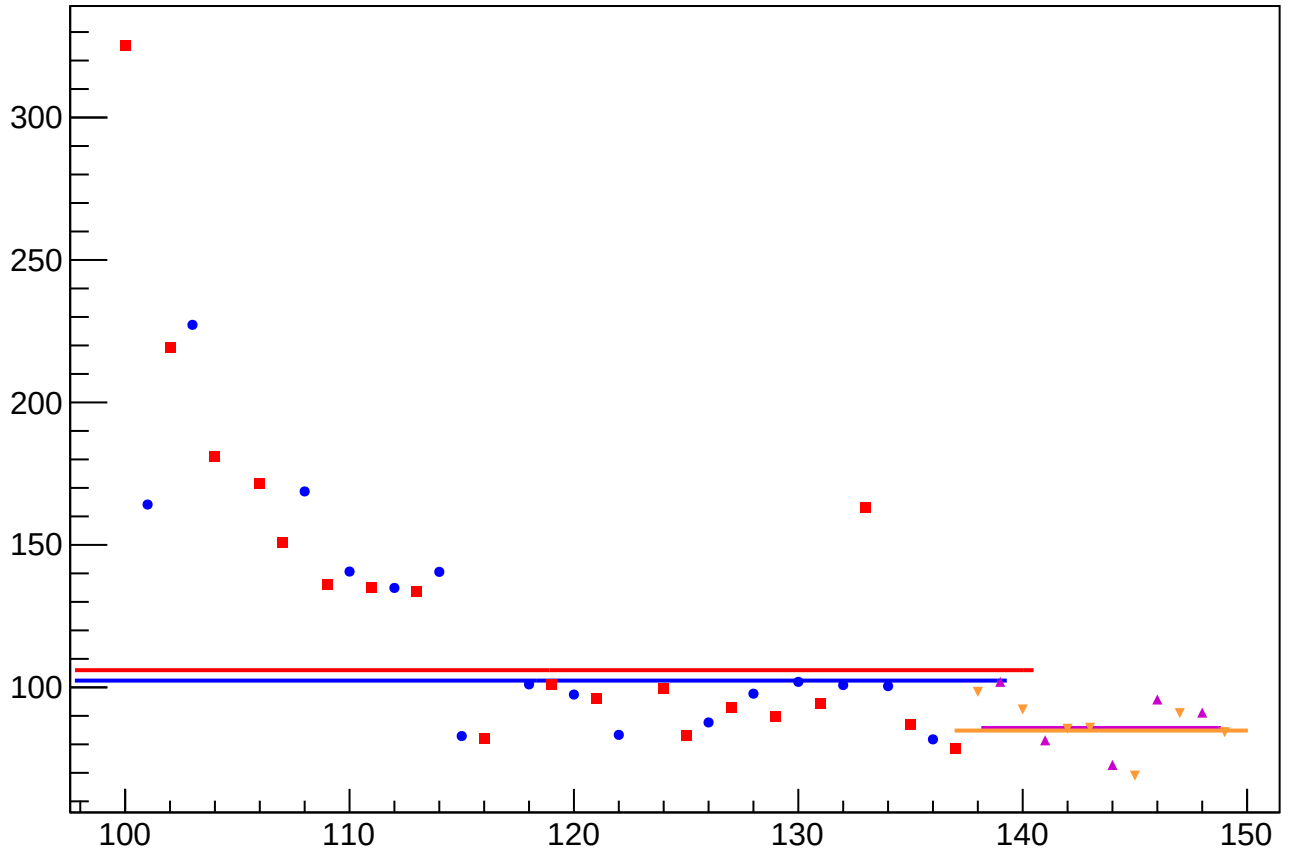
Left: 135.020+/-28.123 χ^2/NDF: 19.4/11

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 57.088+/-29.101 χ^2/NDF:26.9/20

Out: 103.985+/-27.699 χ^2/NDF:40.5/25

All: 81.693+/-20.064 χ^2/NDF: 68.7/46



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.842+/-0.027 χ^2/NDF:124166.0/6

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: 85.242+/-0.020 χ^2/NDF: 248742.8/11

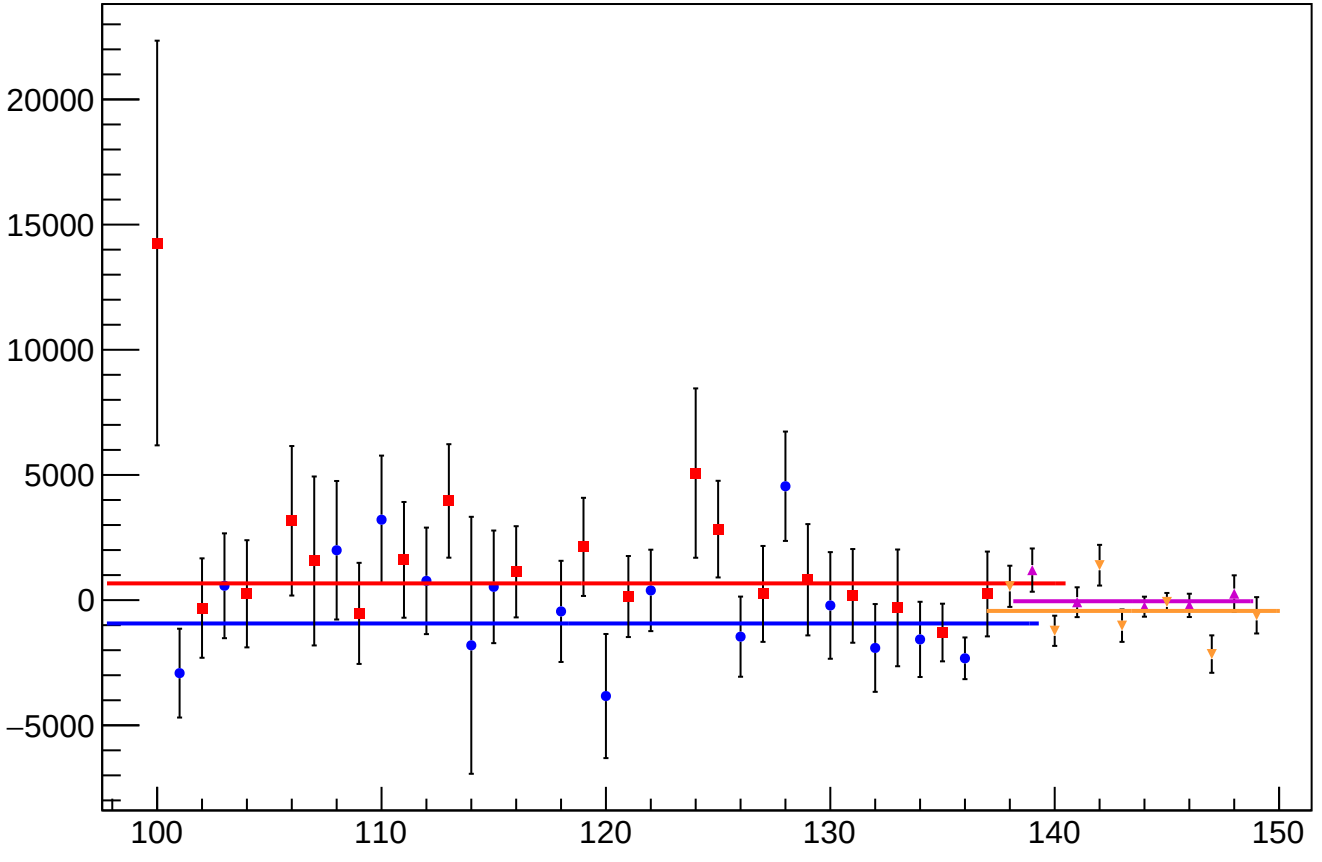
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 94.576+/-0.021 χ^2/NDF:1268923.0/20

Out: 94.485+/-0.020 χ^2/NDF:1605736.2/25

All: 94.528+/-0.014 χ^2/NDF: 2874669.4/46

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: -431.670+/-226.082 χ^2/NDF:15.4/6

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -44.598+/-243.274 χ^2/NDF:2.7/4

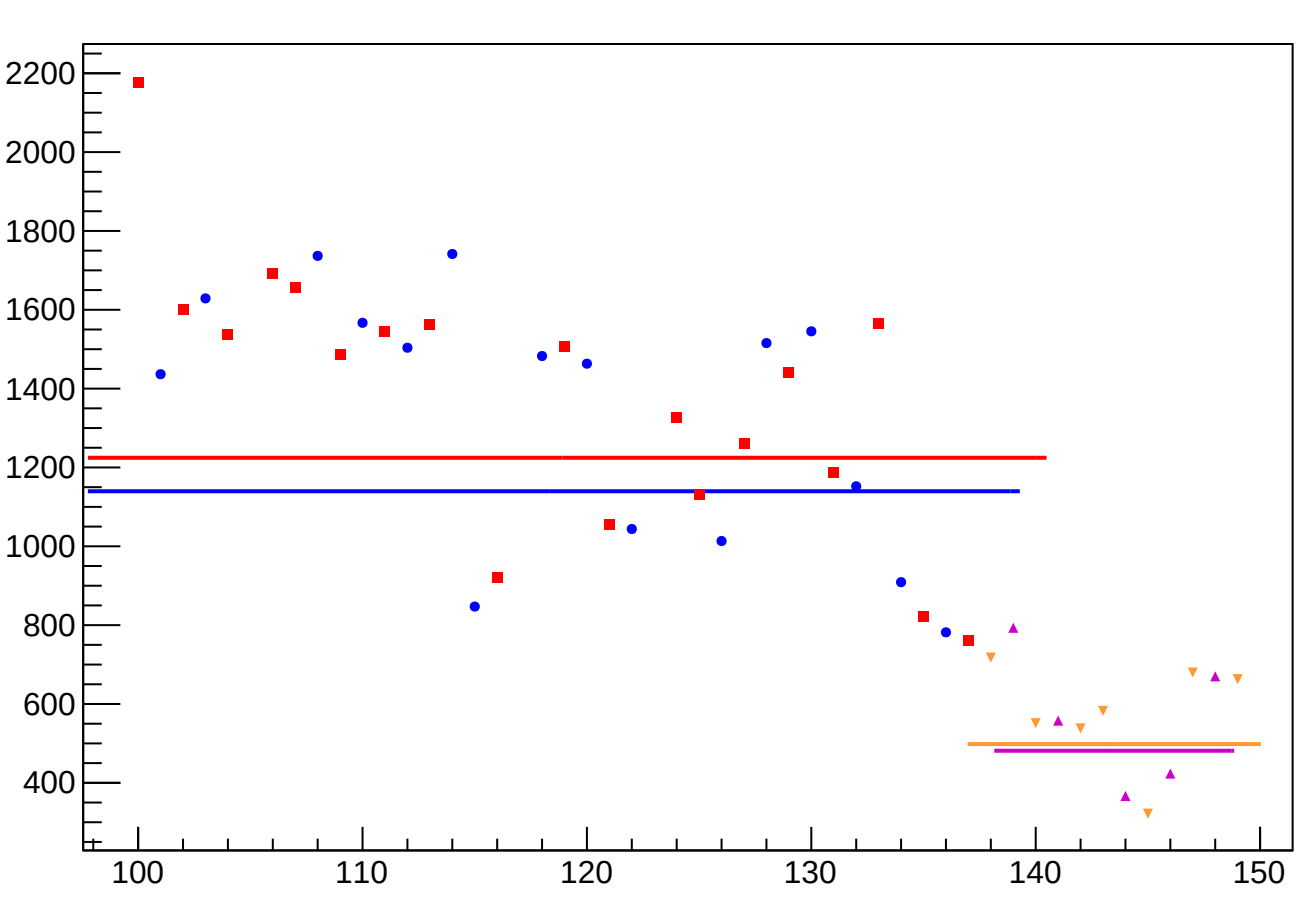
Left: -252.292+/-165.609 χ^2/NDF: 19.4/11

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -250.489+/-213.206 χ^2/NDF:24.2/20

Out: -220.007+/-203.174 χ^2/NDF:33.4/25

All: -234.514+/-147.084 χ^2/NDF: 57.7/46



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 498.220+/-0.160 χ^2/NDF:900816.2/6

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: 490.426+/-0.117 χ^2/NDF: 1528235.5/11

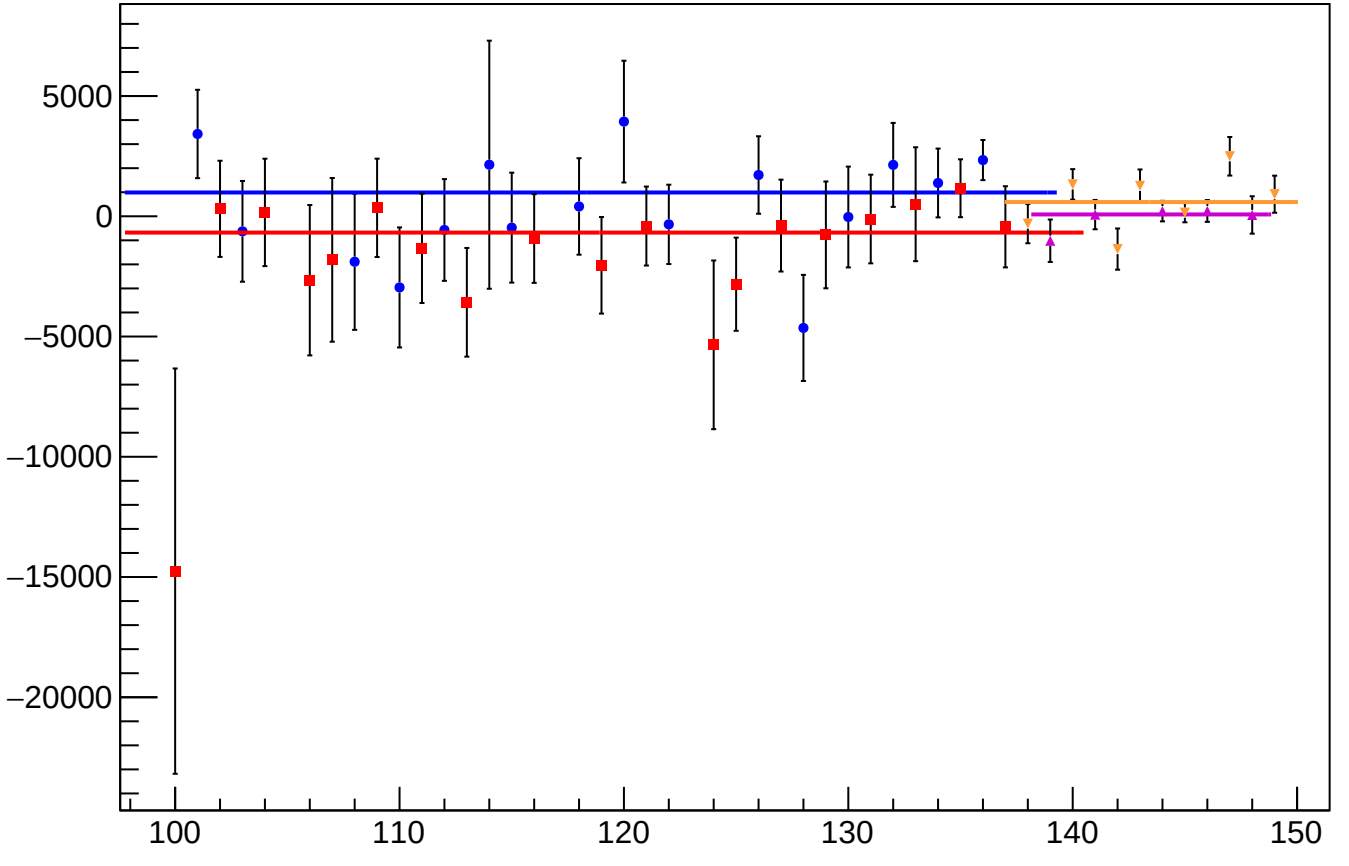
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 634.062+/-0.151 χ^2/NDF:5111631.4/20

Out: 637.973+/-0.144 χ^2/NDF:5795503.3/25

All: 636.112+/-0.104 χ^2/NDF: 10907487.4/46

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 591.956+/-242.514 χ^2/NDF:15.8/6

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: 342.653+/-174.203 χ^2/NDF: 19.7/11

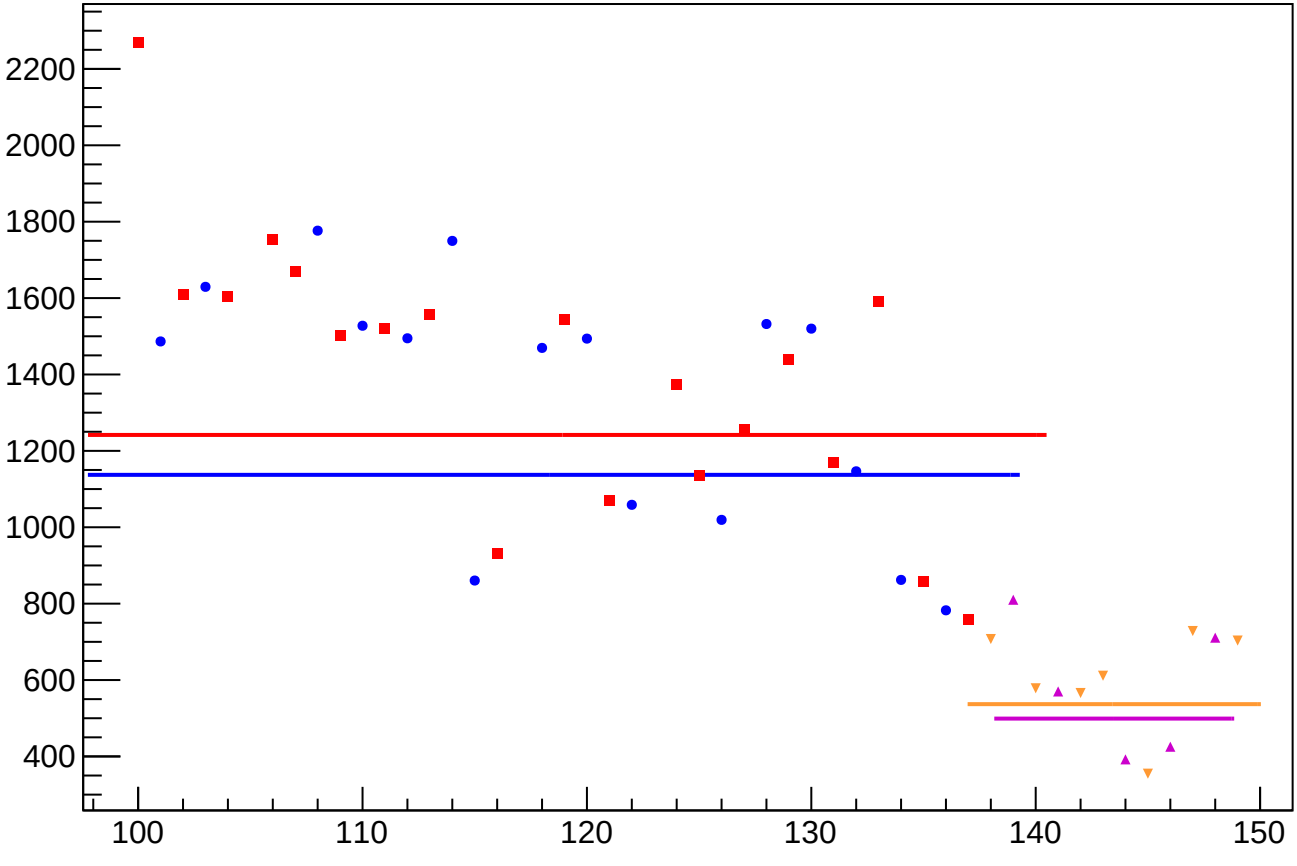
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 298.085+/-217.941 χ^2/NDF:24.0/20

Out: 324.699+/-215.482 χ^2/NDF:33.5/25

All: 311.543+/-153.231 χ^2/NDF: 57.5/46

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 536.885+/-0.171 χ^2/NDF:744233.5/6

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 499.071+/-0.177 χ^2/NDF:601749.1/4

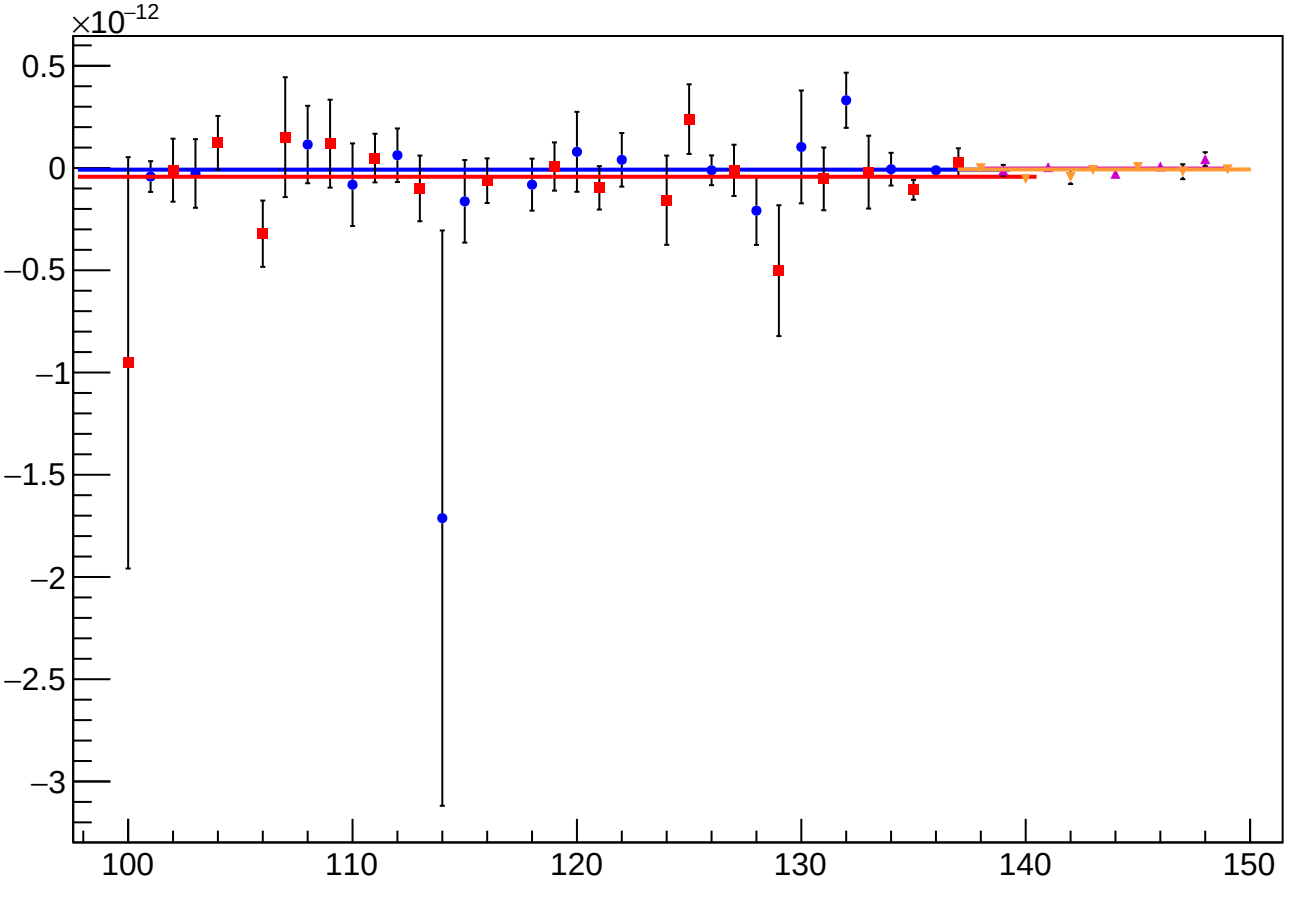
Left: 518.582+/-0.123 χ^2/NDF: 1369518.4/11

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 653.777+/-0.154 χ^2/NDF:4874681.6/20

Out: 685.256+/-0.152 χ^2/NDF:5199859.2/25

All: 669.695+/-0.108 χ^2/NDF: 10095639.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/4

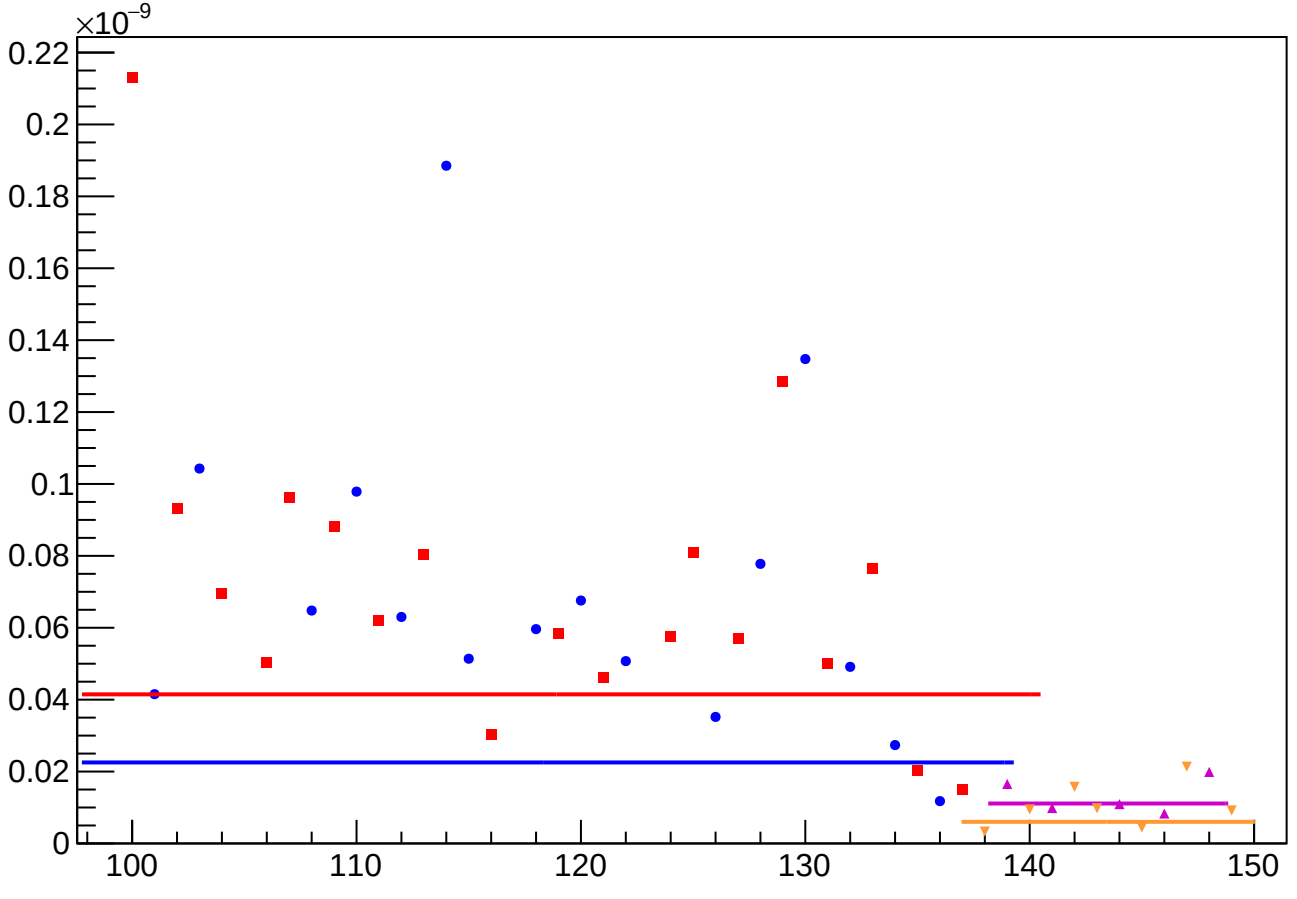
Left: -0.000+/-0.000 χ^2/NDF: 15.1/11

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:27.3/25

All: -0.000+/-0.000 χ^2/NDF: 44.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:919078.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:290038.2/4

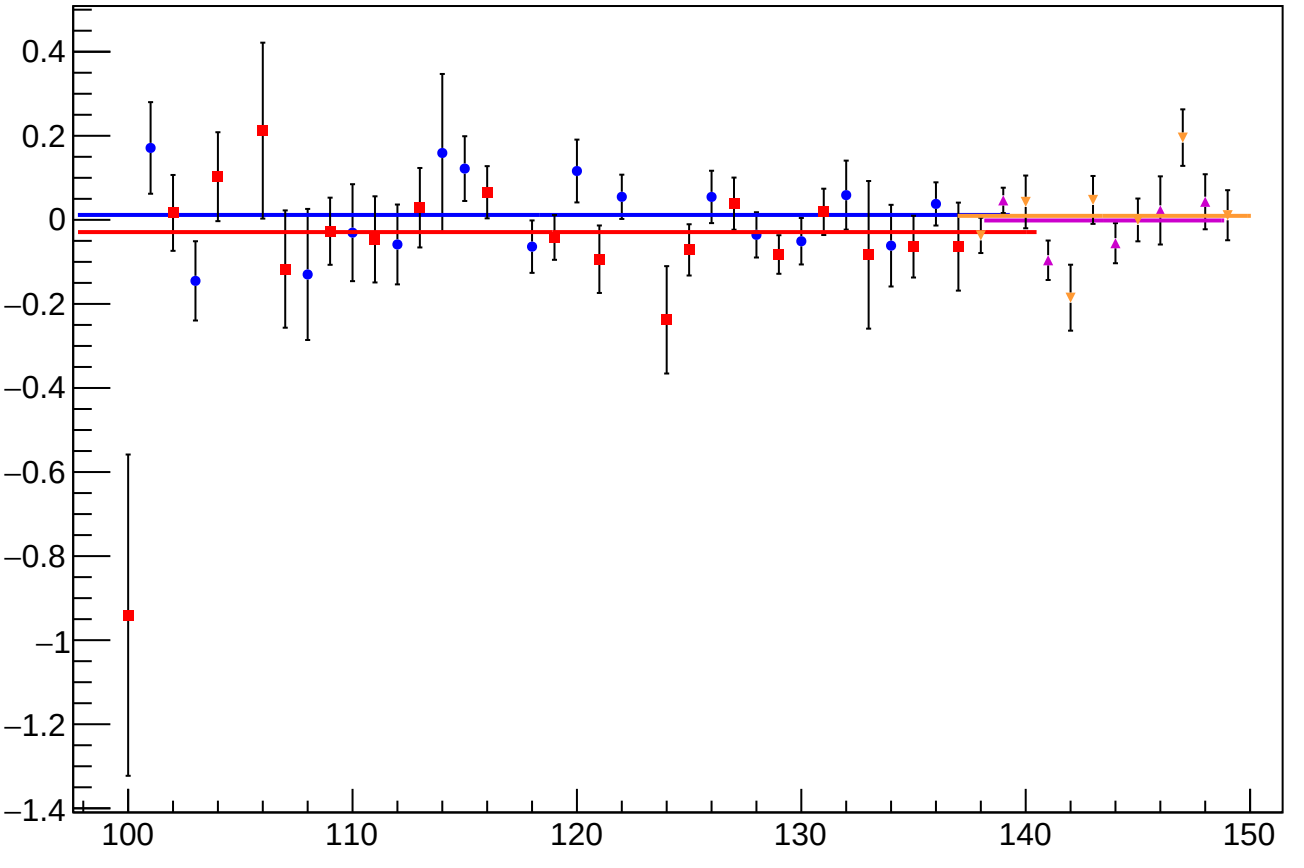
Left: 0.000+/-0.000 χ^2/NDF: 1675242.0/11

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:6056508.2/25

All: 0.000+/-0.000 χ^2/NDF: 10661569.7/46



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.010+/-0.021 χ^2/NDF:15.8/6

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.020 χ^2/NDF:8.4/4

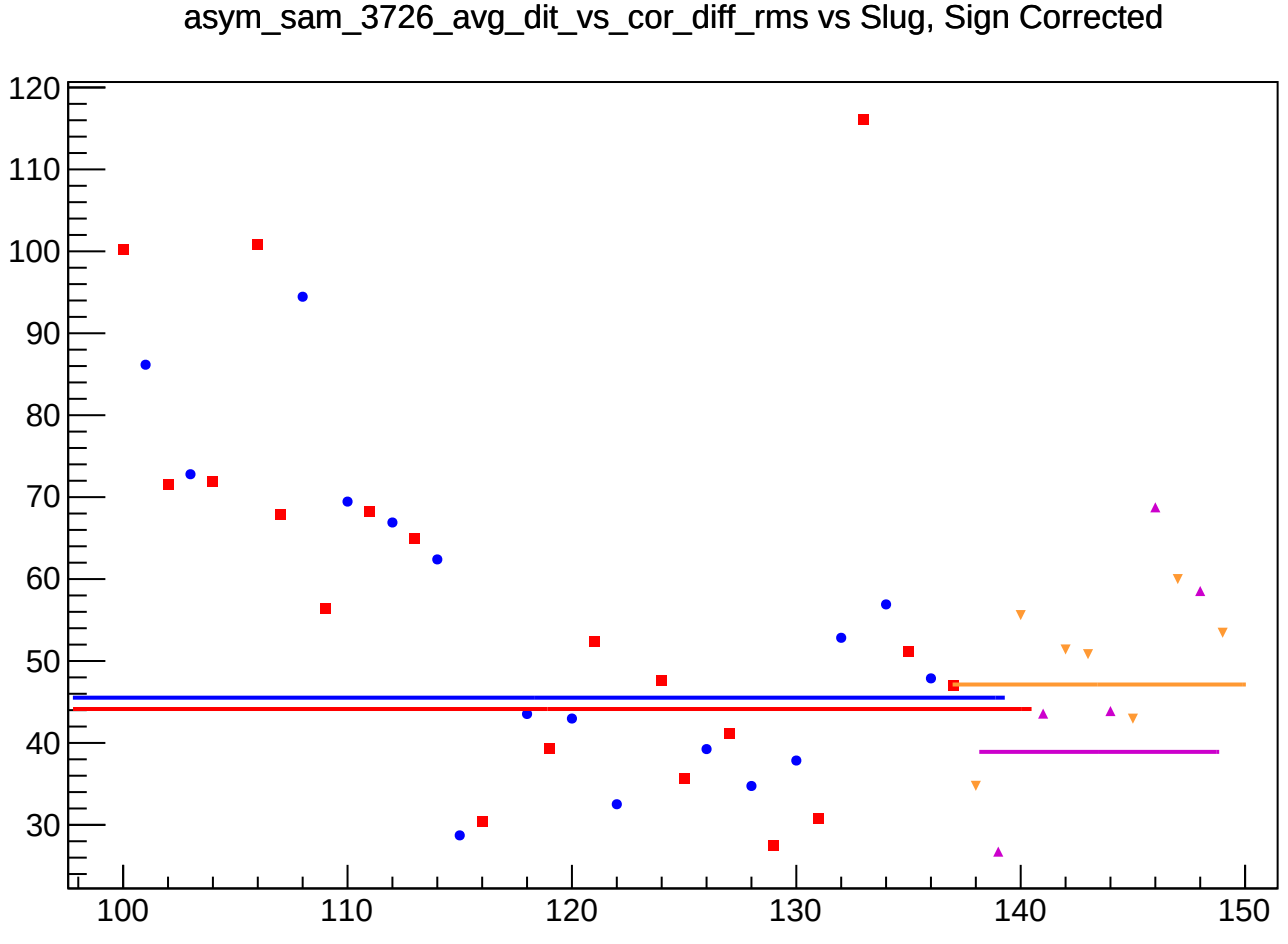
Left: 0.004+/-0.015 χ^2/NDF: 24.4/11

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.013+/-0.014 χ^2/NDF:37.3/25

All: -0.004+/-0.010 χ^2/NDF: 63.7/46



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 47.131+/-0.015 χ^2/NDF:333135.0/6

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

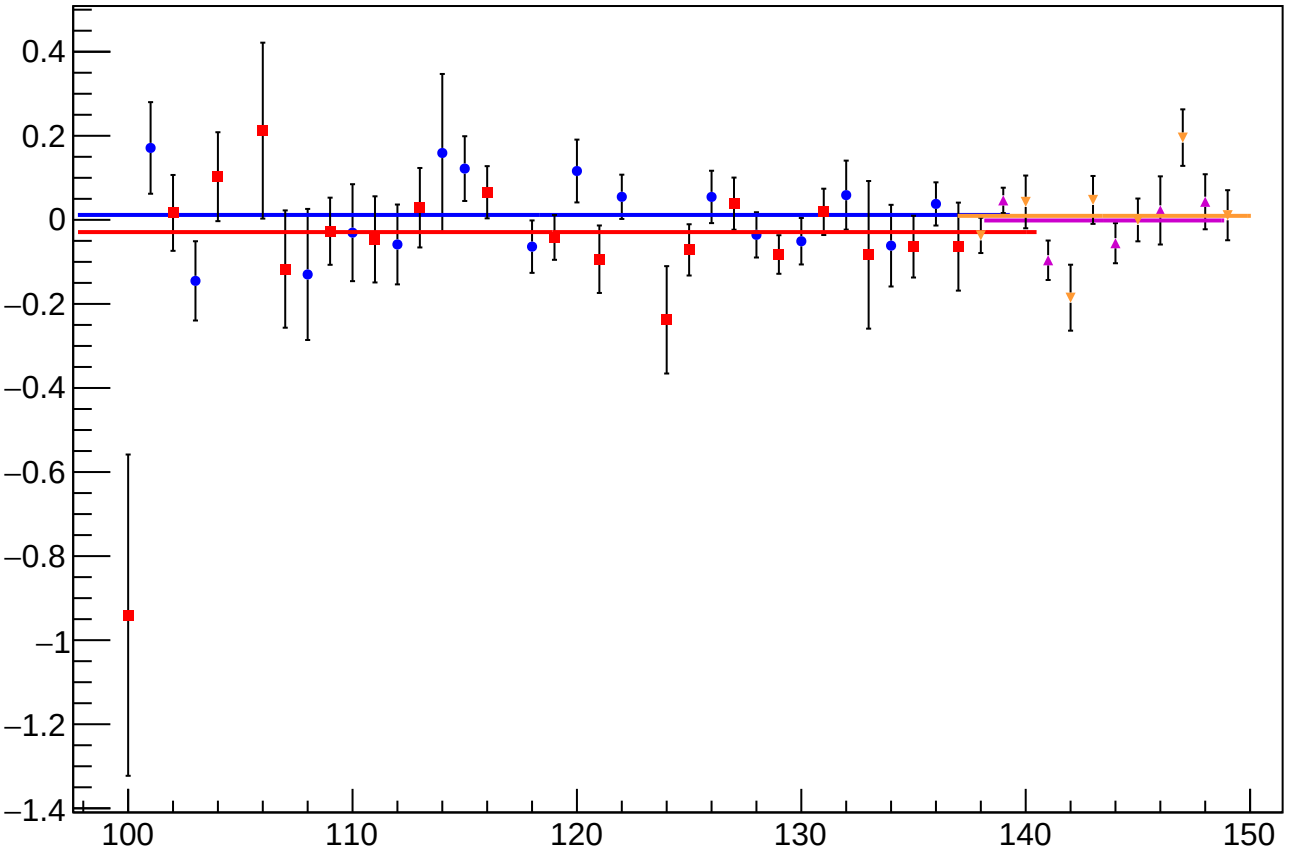
Left: 42.838+/-0.010 χ^2/NDF: 1306314.1/11

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.586+/-0.010 χ^2/NDF:2189160.4/20

Out: 45.369+/-0.010 χ^2/NDF:2099532.6/25

All: 43.970+/-0.007 χ^2/NDF: 4329993.7/46



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.010+/-0.021 χ^2/NDF:15.8/6

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: 0.004+/-0.015 χ^2/NDF: 24.4/11

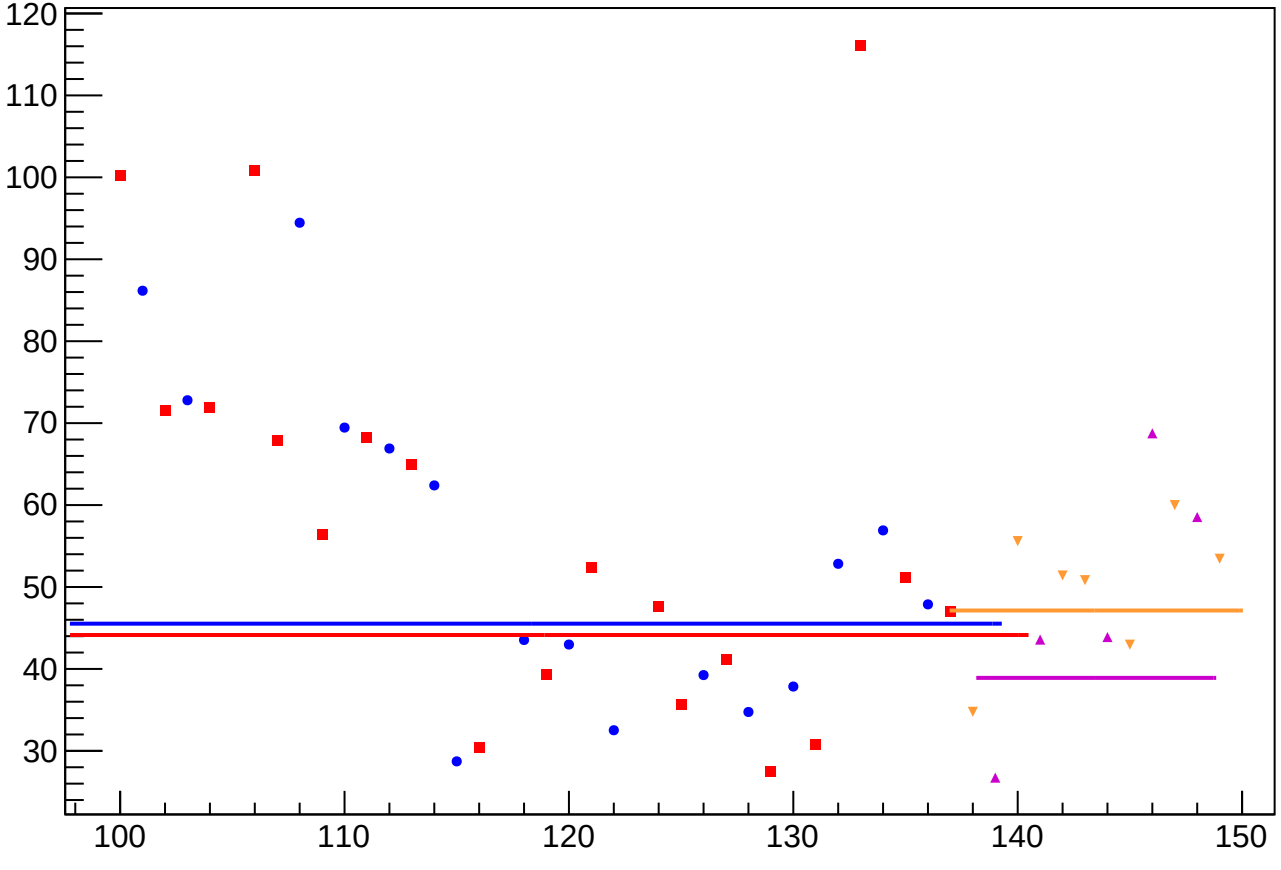
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.013+/-0.014 χ^2/NDF:37.3/25

All: -0.004+/-0.010 χ^2/NDF: 63.7/46

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 47.131+/-0.015 χ^2/NDF:333135.0/6

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.909+/-0.014 χ^2/NDF:819335.1/4

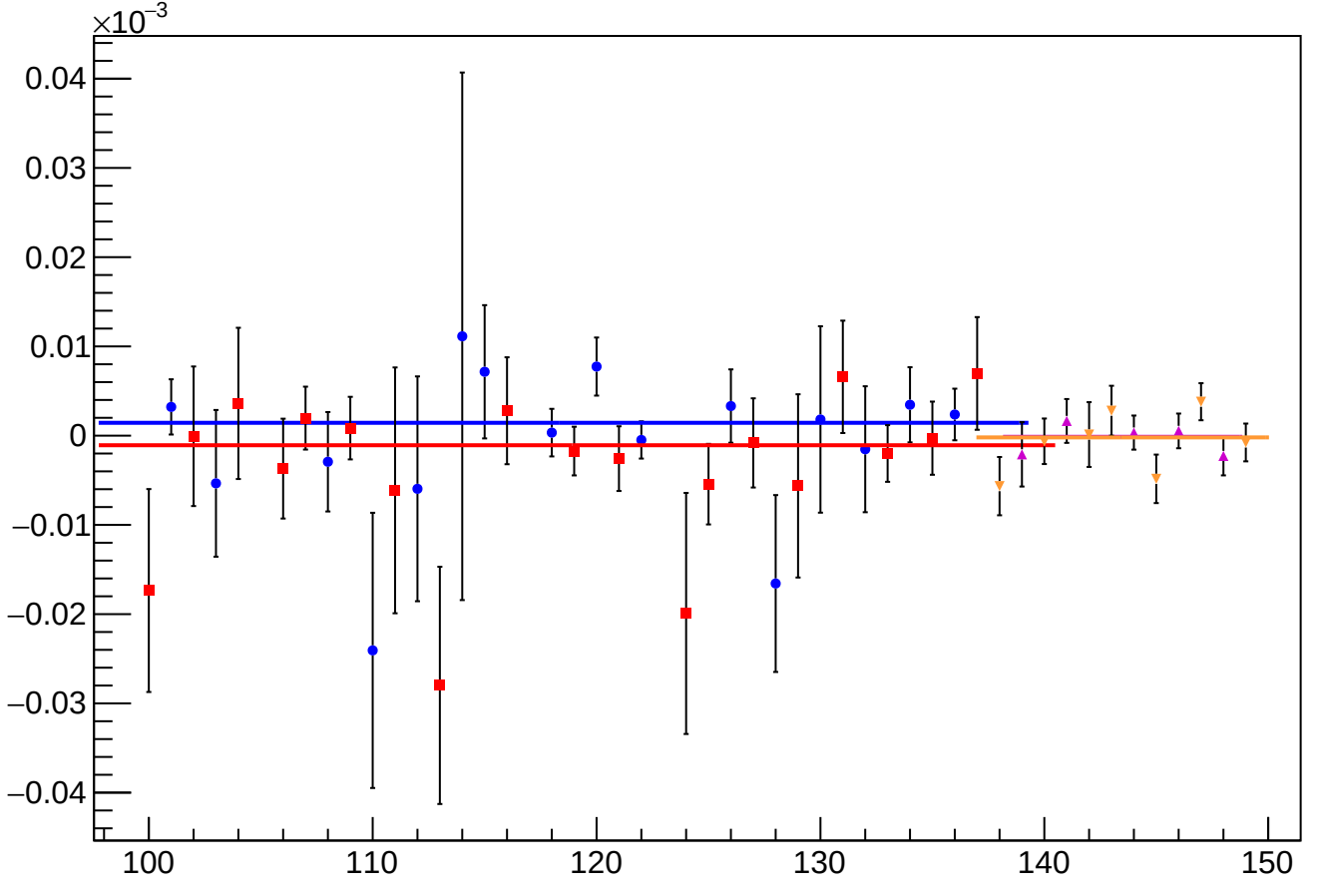
Left: 42.838+/-0.010 χ^2/NDF: 1306314.1/11

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 42.586+/-0.010 χ^2/NDF:2189160.4/20

Out: 45.369+/-0.010 χ^2/NDF:2099532.6/25

All: 43.970+/-0.007 χ^2/NDF: 4329993.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/6

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: 12.6/11

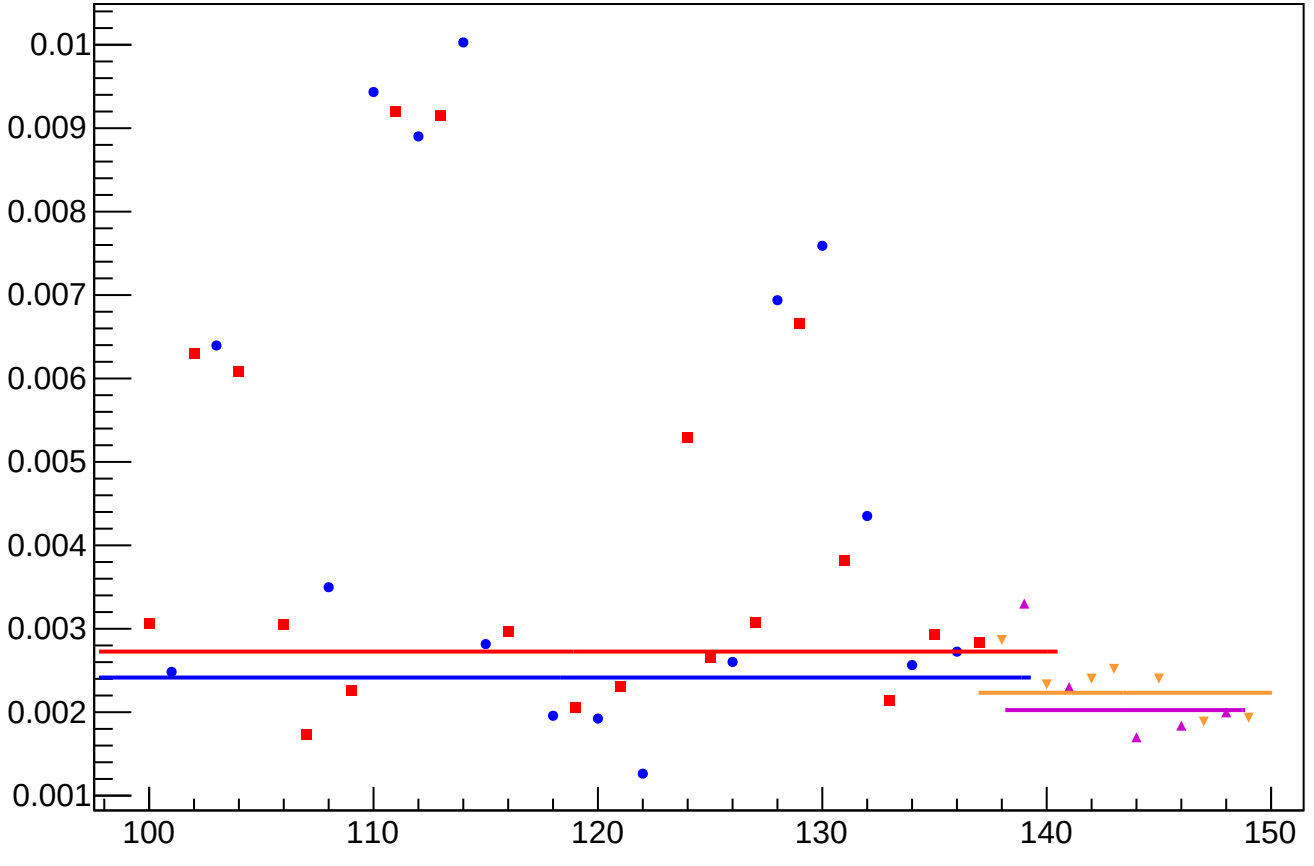
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.3/20

Out: -0.000+/-0.000 χ^2/NDF:25.8/25

All: 0.000+/-0.000 χ^2/NDF: 44.5/46

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:206560.5/6

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:352322.8/4

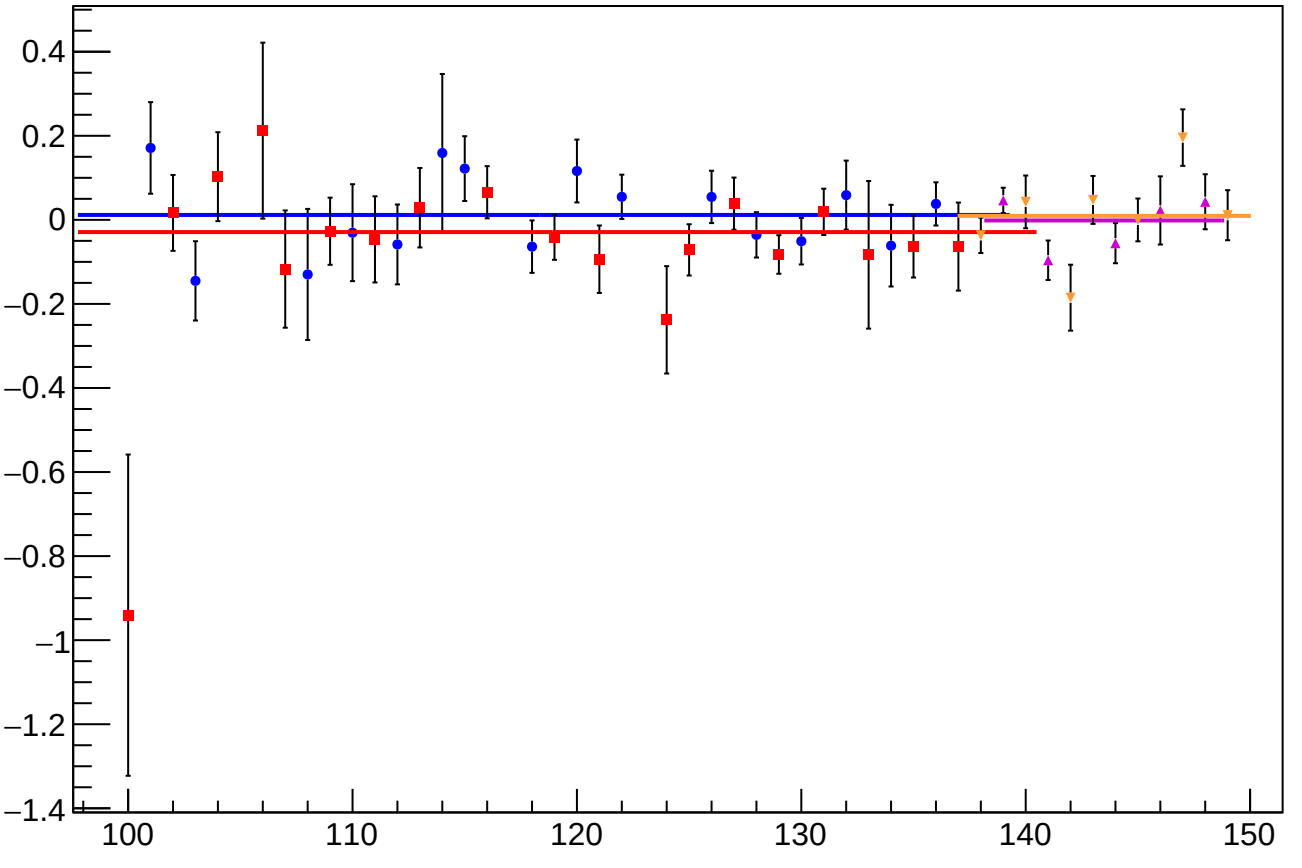
Left: 0.002+/-0.000 χ^2/NDF: 602874.1/11

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3930125.1/20

Out: 0.002+/-0.000 χ^2/NDF:2931275.3/25

All: 0.002+/-0.000 χ^2/NDF: 6963542.2/46



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.010+/-0.021 χ^2/NDF:15.8/6

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: 0.004+/-0.015 χ^2/NDF: 24.4/11

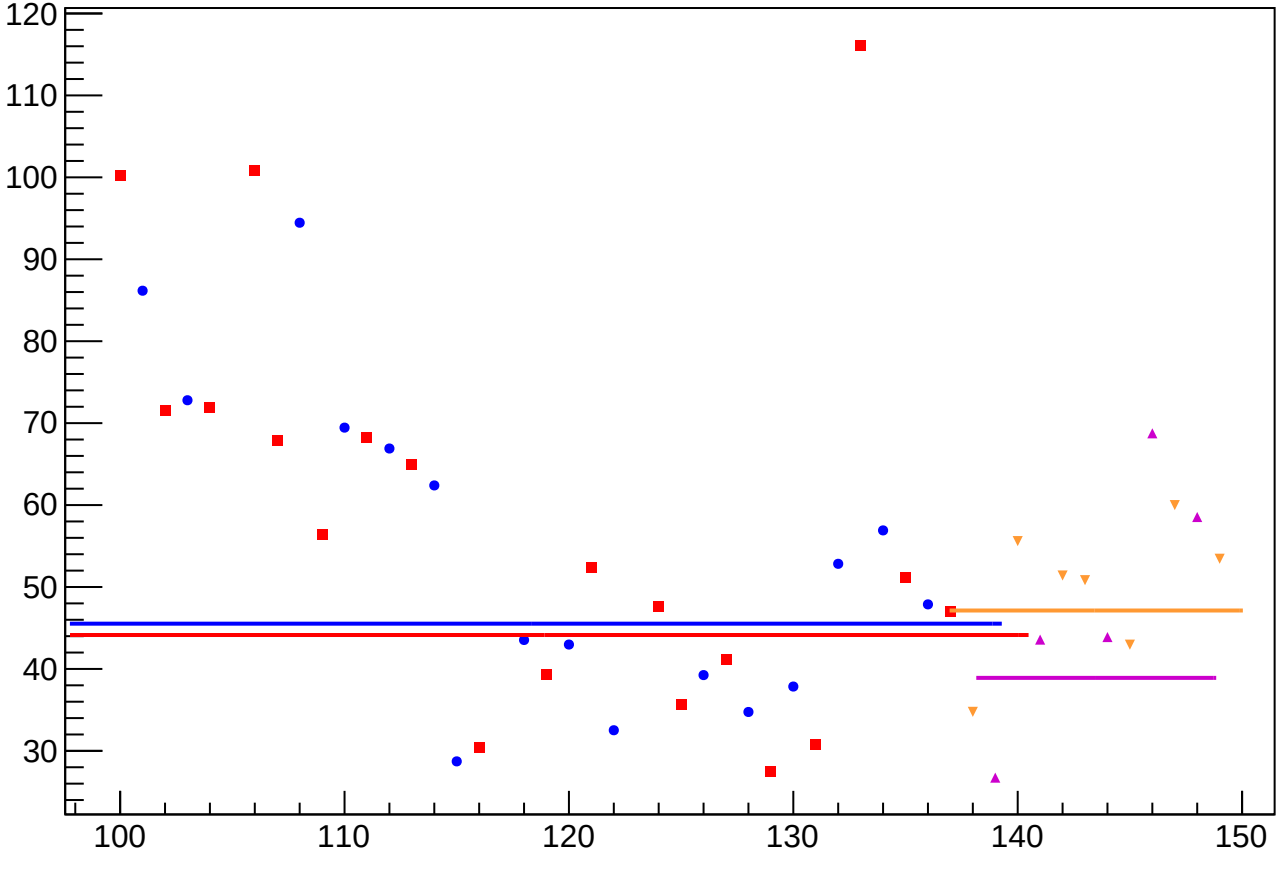
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.013+/-0.014 χ^2/NDF:37.3/25

All: -0.004+/-0.010 χ^2/NDF: 63.7/46

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 47.132+/-0.015 χ^2/NDF:333150.7/6

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: 42.838+/-0.010 χ^2/NDF: 1306352.0/11

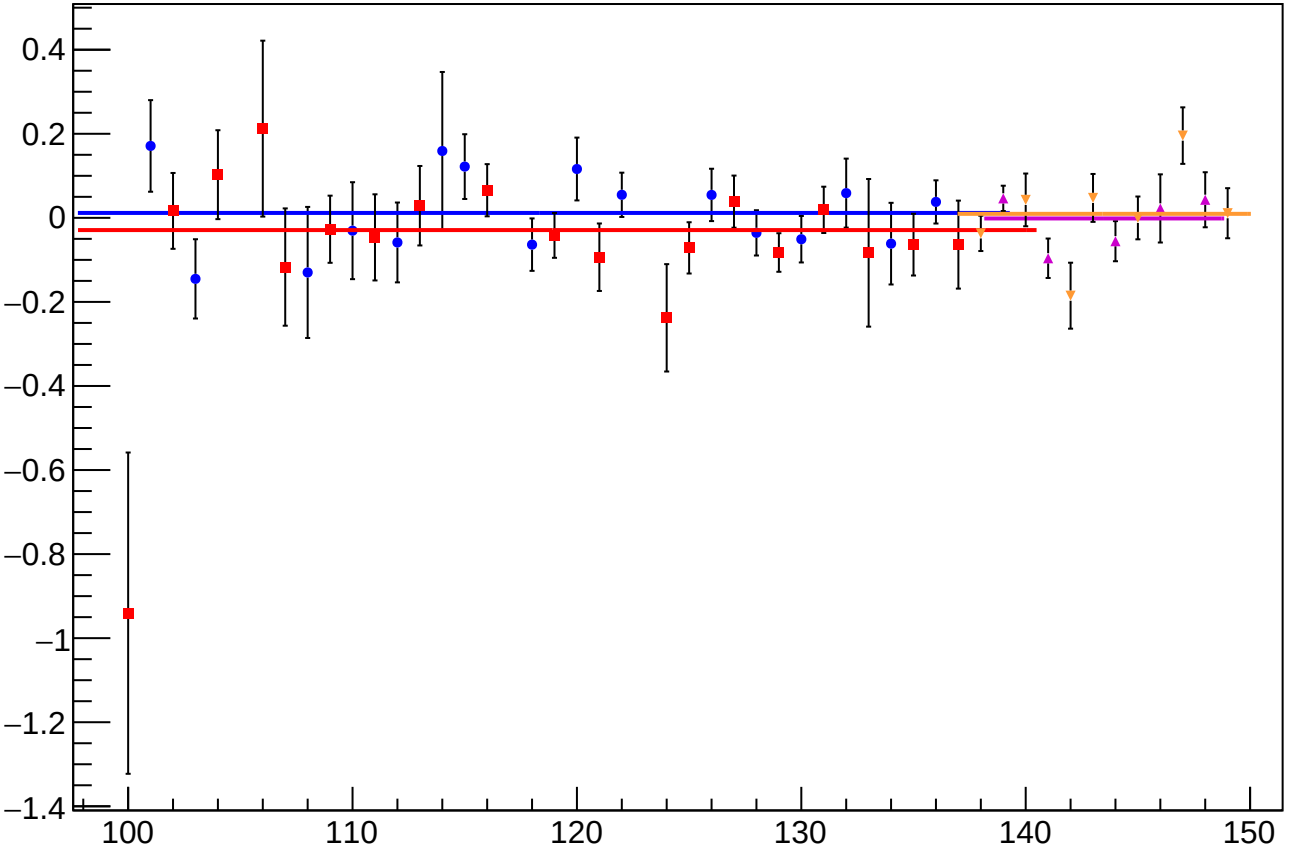
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.587+/-0.010 χ^2/NDF:2189125.8/20

Out: 45.369+/-0.010 χ^2/NDF:2099468.2/25

All: 43.971+/-0.007 χ^2/NDF: 4329900.7/46

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: 0.010+/-0.021 χ^2/NDF:15.8/6

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.001+/-0.020 χ^2/NDF:8.4/4

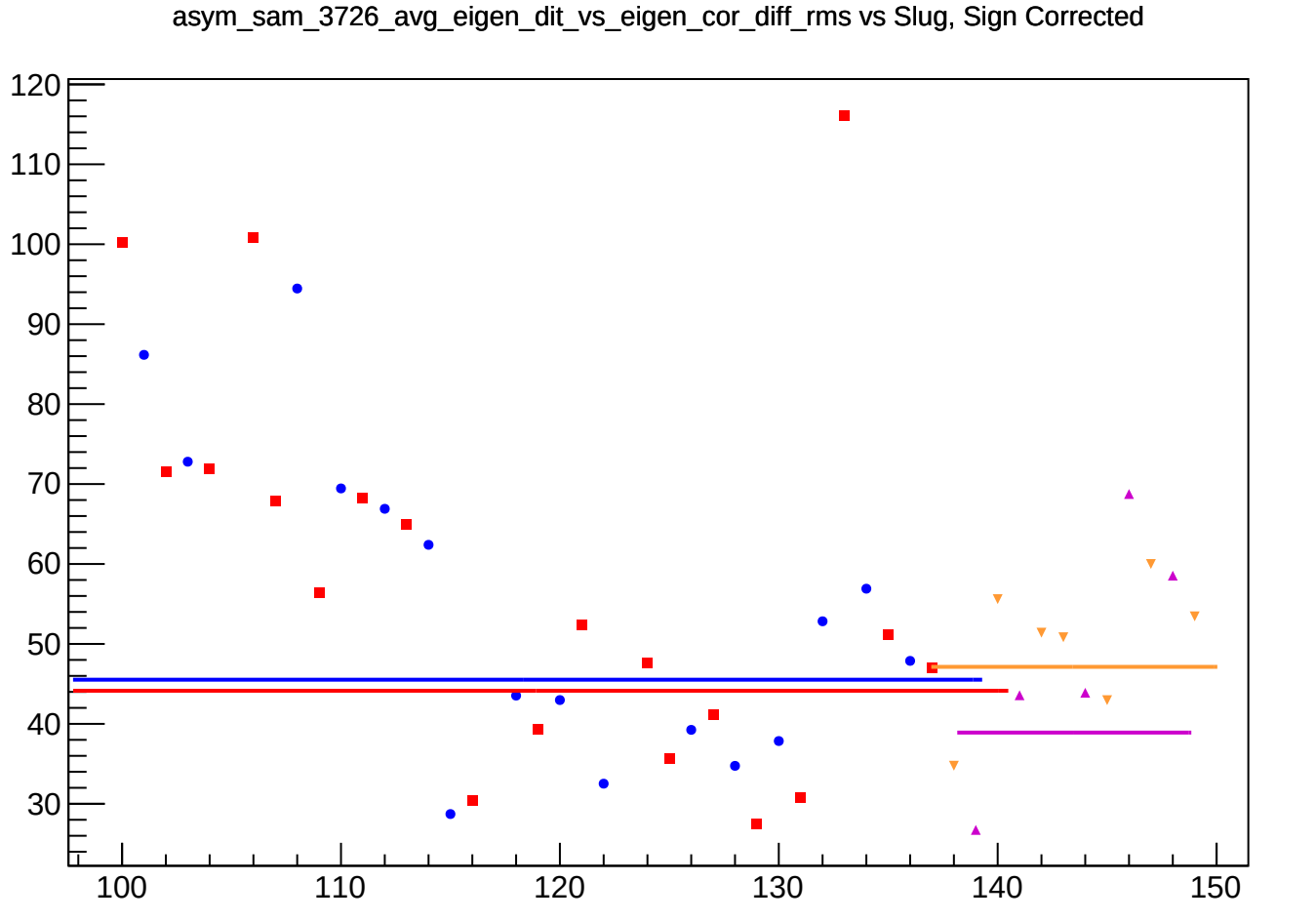
Left: 0.004+/-0.015 χ^2/NDF: 24.4/11

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.014 χ^2/NDF:25.5/20

Out: -0.013+/-0.014 χ^2/NDF:37.3/25

All: -0.004+/-0.010 χ^2/NDF: 63.7/46



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 47.132+/-0.015 χ^2/NDF:333150.7/6

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.910+/-0.014 χ^2/NDF:819355.2/4

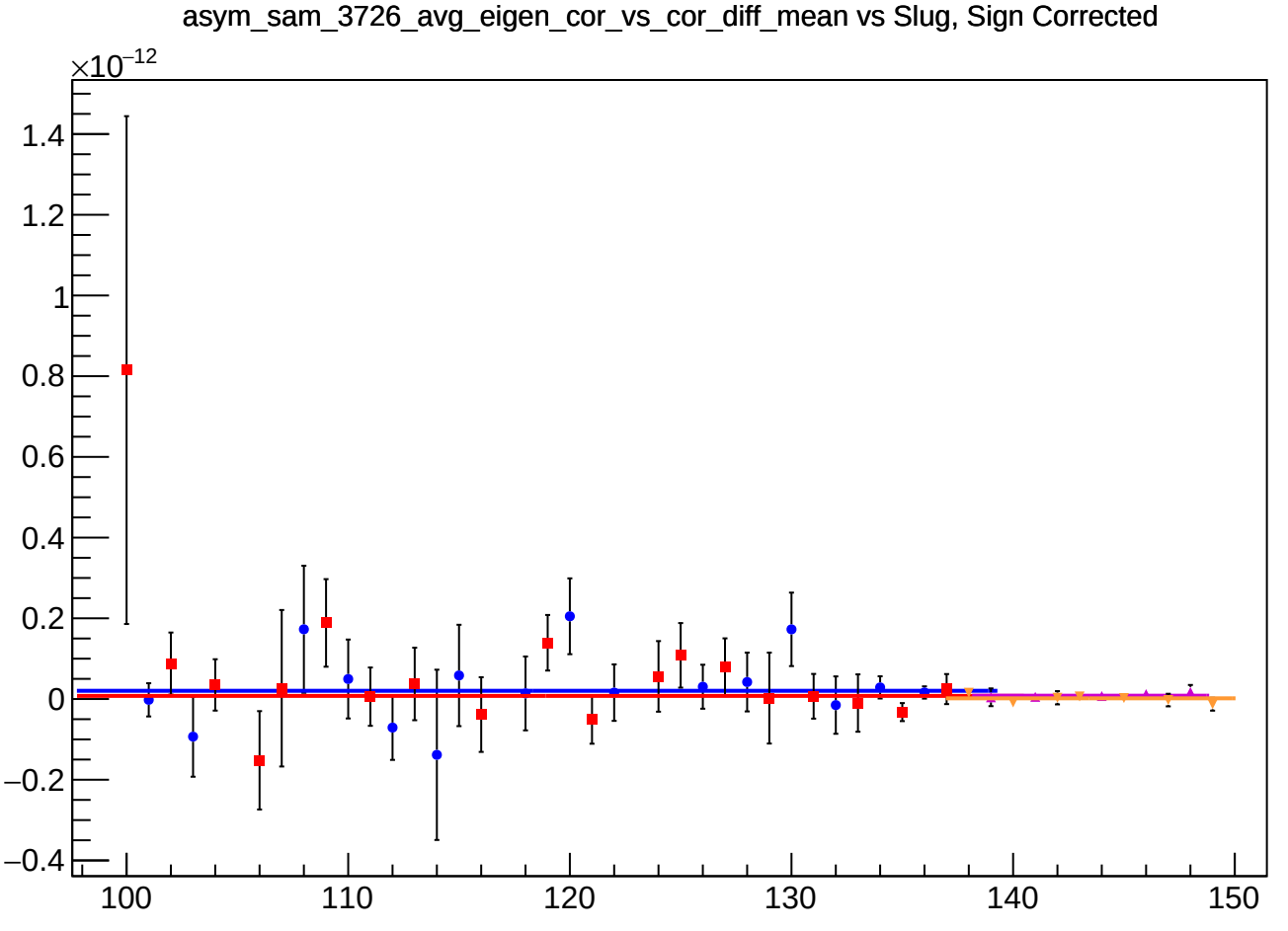
Left: 42.838+/-0.010 χ^2/NDF: 1306352.0/11

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 42.587+/-0.010 χ^2/NDF:2189125.8/20

Out: 45.369+/-0.010 χ^2/NDF:2099468.2/25

All: 43.971+/-0.007 χ^2/NDF: 4329900.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/4

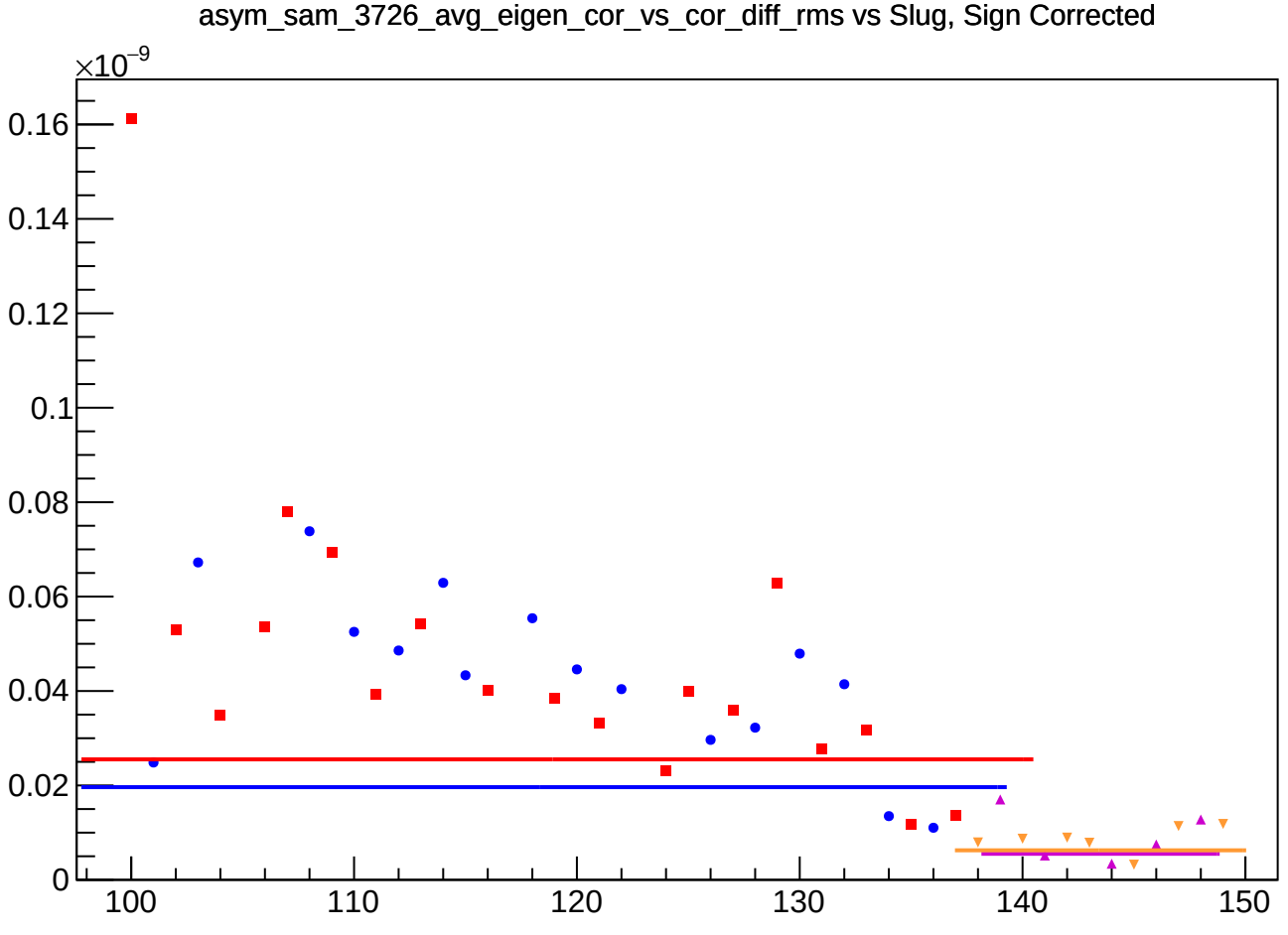
Left: 0.000+/-0.000 χ^2/NDF: 5.2/11

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:22.2/25

All: 0.000+/-0.000 χ^2/NDF: 37.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1283131.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1245910.0/4

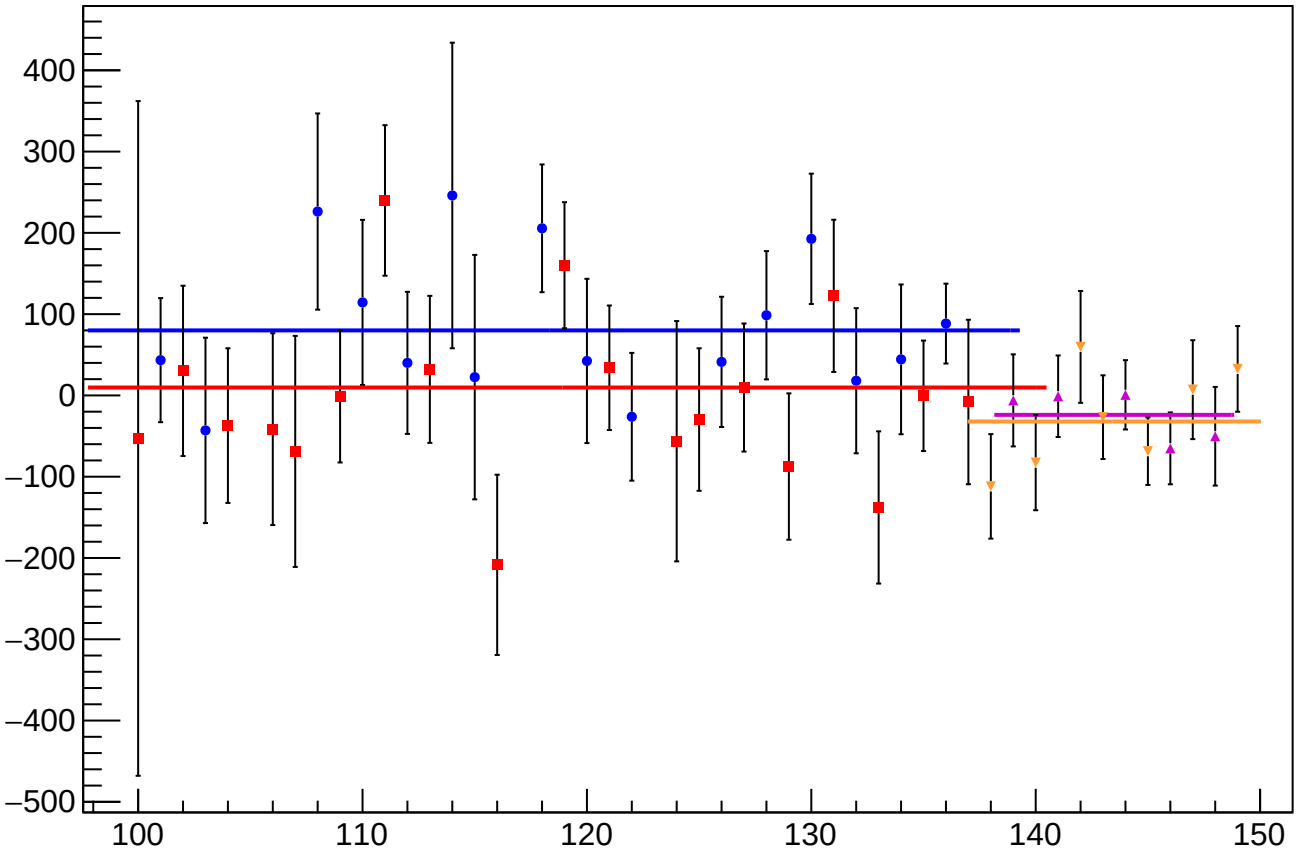
Left: 0.000+/-0.000 χ^2/NDF: 2563452.7/11

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:7649456.0/25

All: 0.000+/-0.000 χ^2/NDF: 14968261.6/46



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -32.084+/-20.704 χ^2/NDF:6.8/6

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -23.919+/-22.129 χ^2/NDF:1.7/4

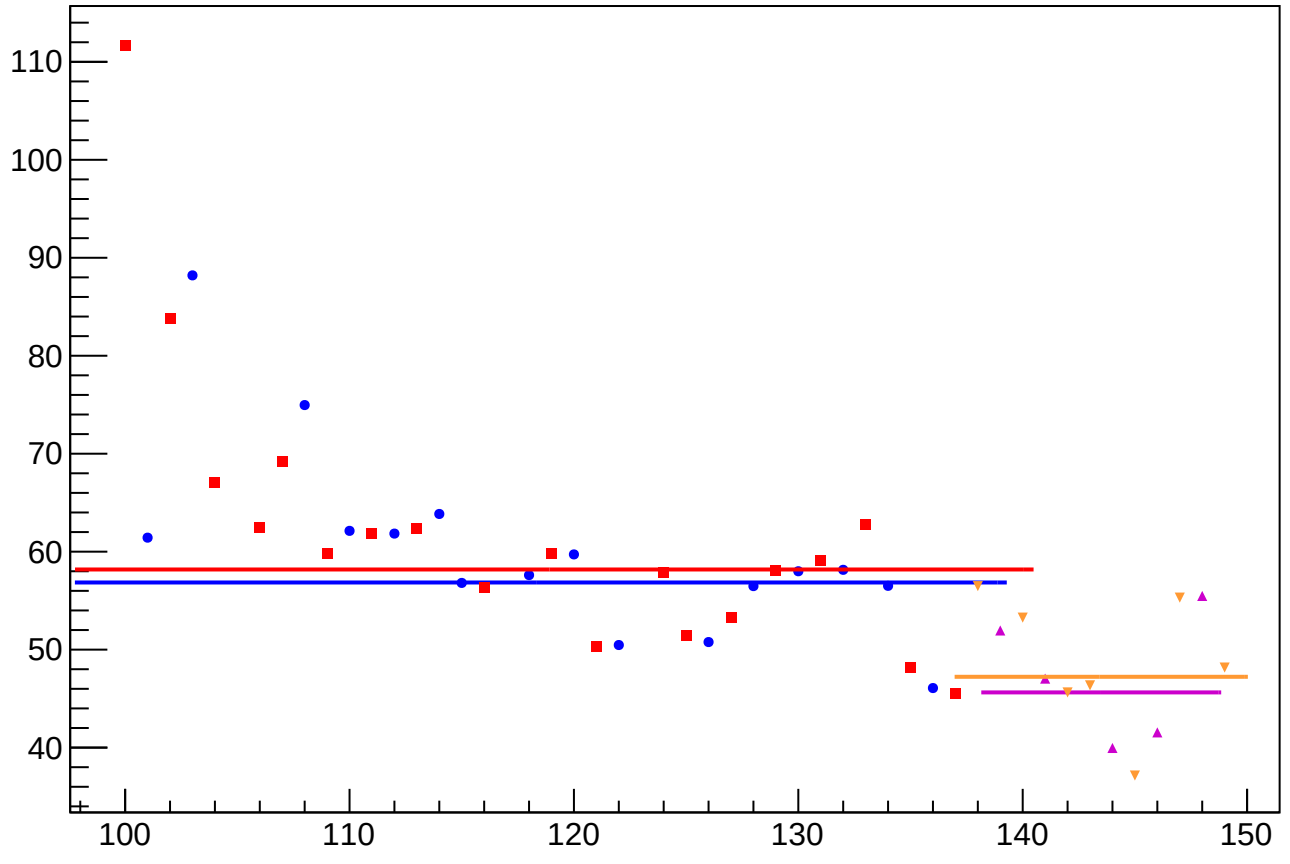
Left: -28.273+/-15.119 χ^2/NDF: 8.5/11

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 29.596+/-15.411 χ^2/NDF:24.6/20

Out: -12.079+/-14.953 χ^2/NDF:29.1/25

All: 8.130+/-10.731 χ^2/NDF: 57.4/46



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.228+/-0.015 χ^2/NDF:218225.8/6

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

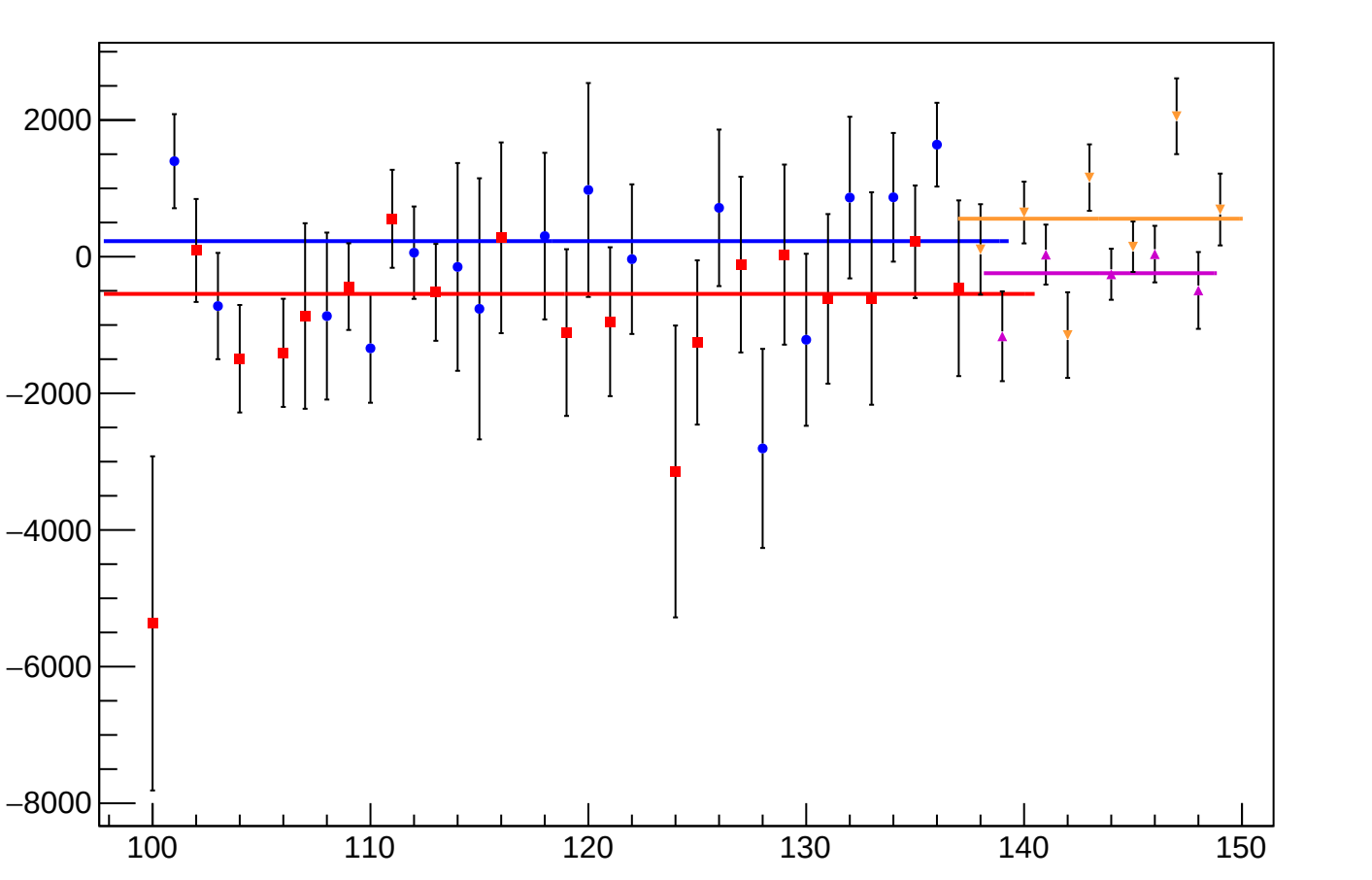
Left: 46.484+/-0.011 χ^2/NDF: 355334.1/11

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.412+/-0.011 χ^2/NDF:738004.8/20

Out: 52.468+/-0.011 χ^2/NDF:800715.5/25

All: 51.956+/-0.008 χ^2/NDF: 1543558.6/46



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 555.805+/-188.487 χ^2/NDF:18.0/6

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -241.950+/-205.514 χ^2/NDF:3.0/4

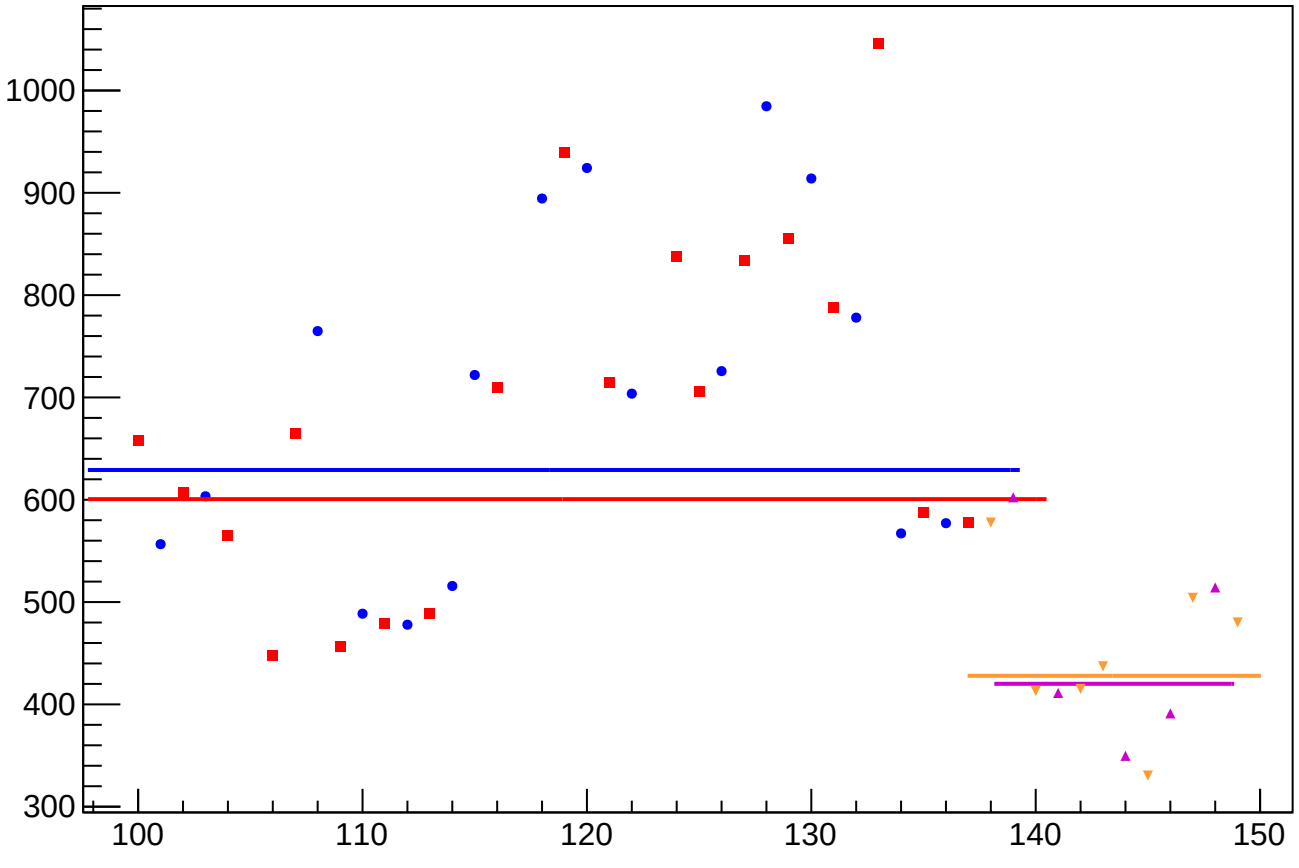
Left: 191.338+/-138.911 χ^2/NDF: 29.2/11

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -44.510+/-156.438 χ^2/NDF:26.9/20

Out: 107.233+/-145.076 χ^2/NDF:45.3/25

All: 37.071+/-106.374 χ^2/NDF: 72.7/46



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 427.935+/-0.133 χ^2/NDF:302779.3/6

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 420.122+/-0.145 χ^2/NDF:291743.6/4

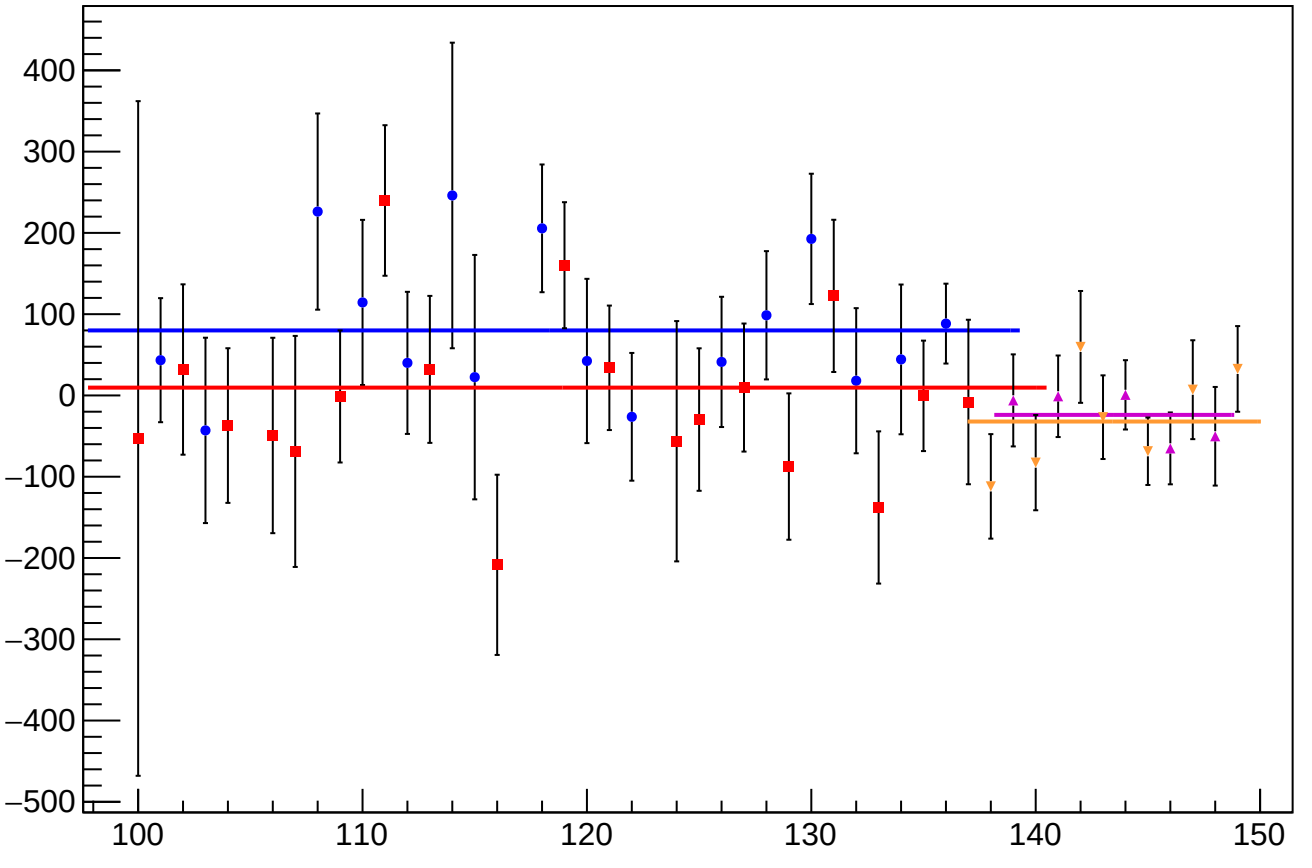
Left: 424.366+/-0.098 χ^2/NDF: 596092.9/11

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 508.010+/-0.111 χ^2/NDF:1854164.9/20

Out: 498.307+/-0.103 χ^2/NDF:1861386.4/25

All: 502.794+/-0.075 χ^2/NDF: 3719687.9/46



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -32.090+/-20.704 χ^2/NDF:6.8/6

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.923+/-22.129 χ^2/NDF:1.7/4

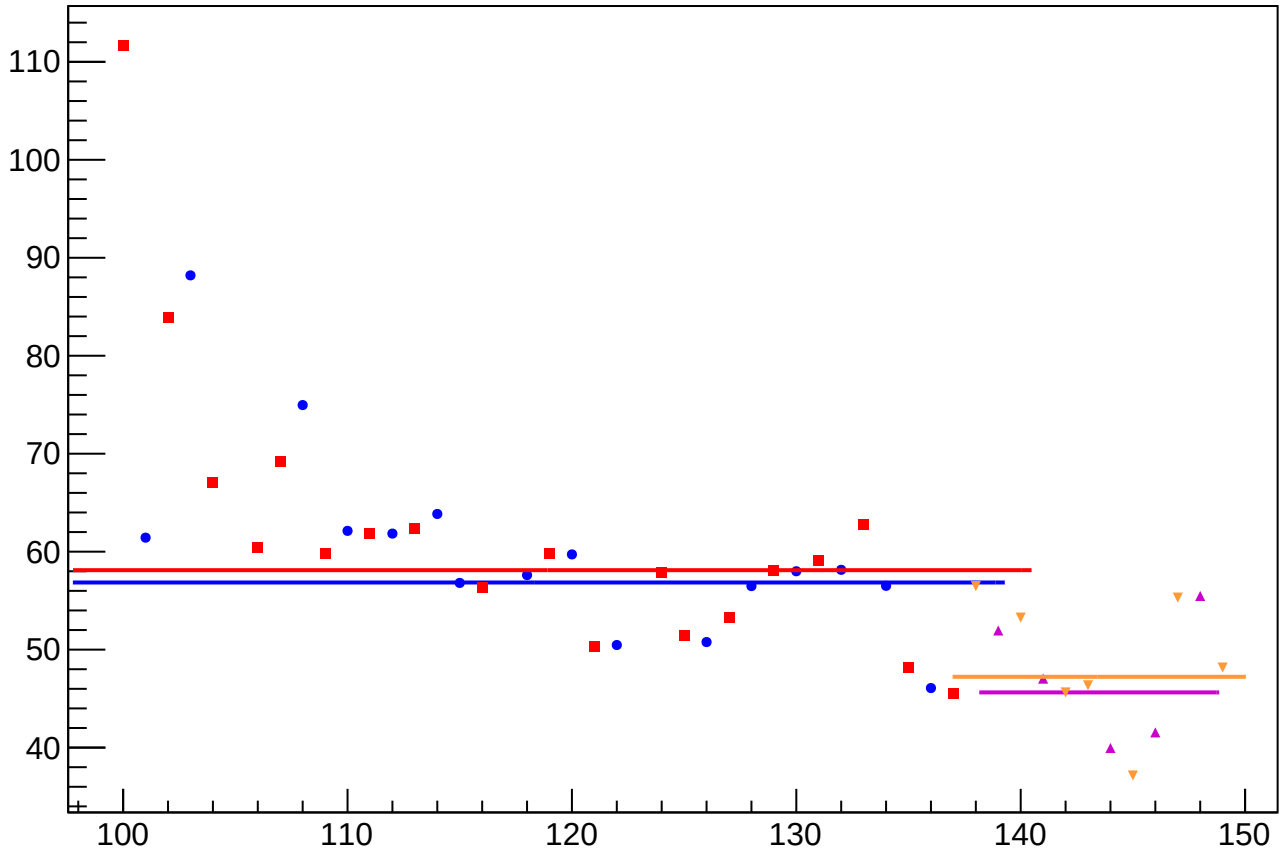
Left: -28.278+/-15.119 χ^2/NDF: 8.5/11

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 29.596+/-15.411 χ^2/NDF:24.6/20

Out: -12.148+/-14.957 χ^2/NDF:29.1/25

All: 8.100+/-10.733 χ^2/NDF: 57.5/46



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.228+/-0.015 χ^2/NDF:218225.8/6

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

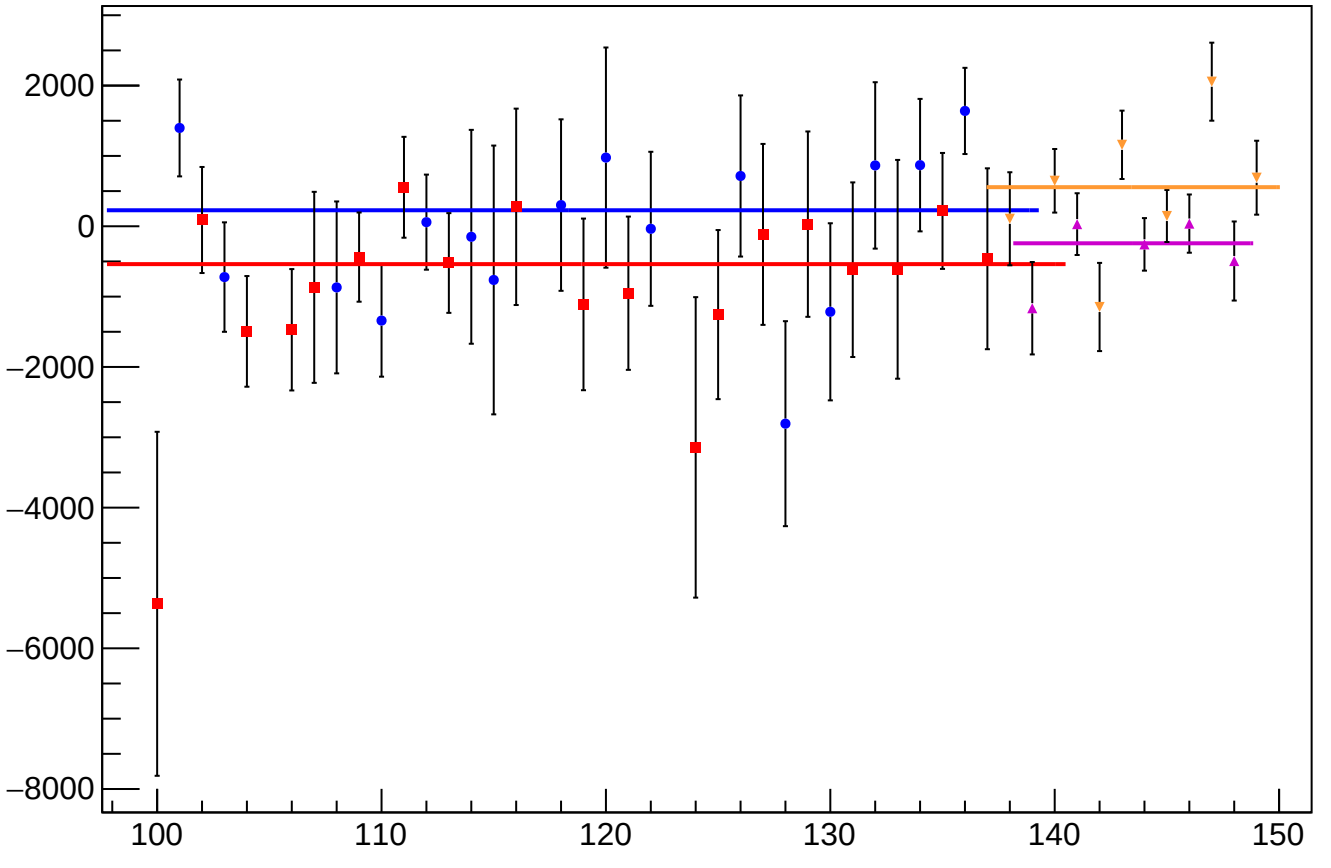
Left: 46.484+/-0.011 χ^2/NDF: 355334.1/11

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.412+/-0.011 χ^2/NDF:738008.8/20

Out: 52.431+/-0.011 χ^2/NDF:795372.8/25

All: 51.937+/-0.008 χ^2/NDF: 1537883.3/46



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 555.801+/-188.487 χ^2/NDF:18.0/6

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -241.956+/-205.514 χ^2/NDF:3.0/4

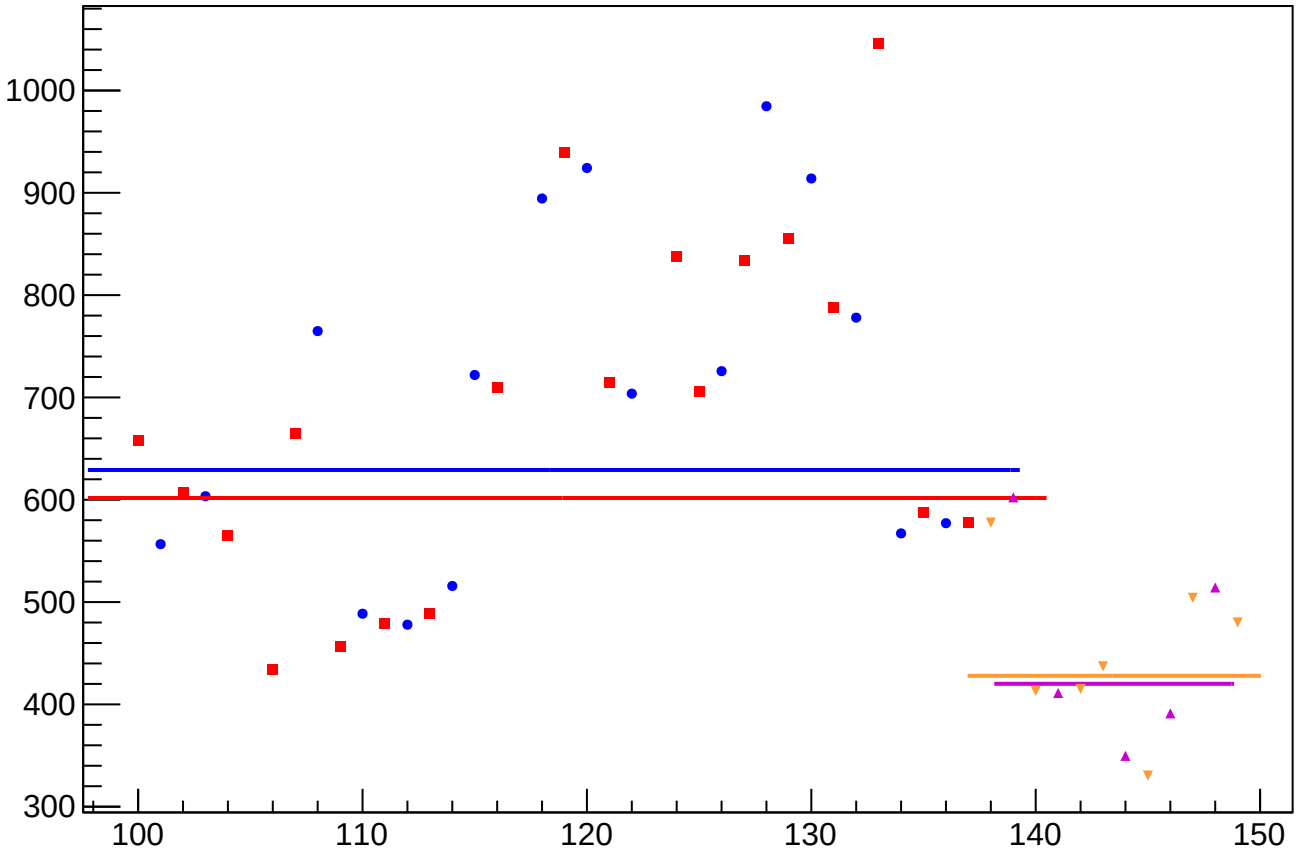
Left: 191.333+/-138.911 χ^2/NDF: 29.2/11

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -44.499+/-156.438 χ^2/NDF:26.8/20

Out: 113.439+/-145.467 χ^2/NDF:45.0/25

All: 40.202+/-106.528 χ^2/NDF: 72.4/46



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 427.935+/-0.133 χ^2/NDF:302779.9/6

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

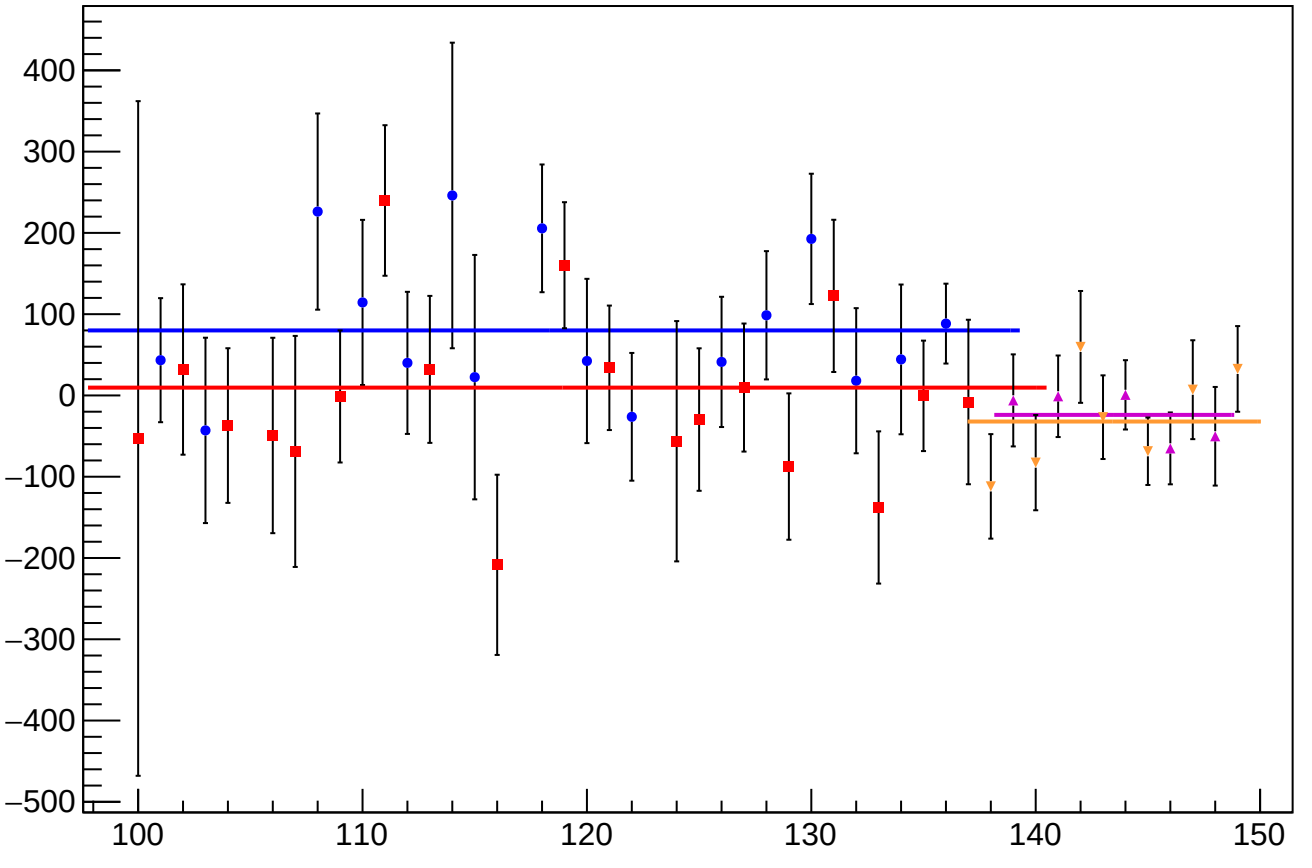
Left: 424.366+/-0.098 χ^2/NDF: 596092.6/11

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 508.012+/-0.111 χ^2/NDF:1854185.9/20

Out: 498.211+/-0.103 χ^2/NDF:1864342.1/25

All: 502.756+/-0.075 χ^2/NDF: 3722737.9/46



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -32.090+/-20.704 χ^2/NDF:6.8/6

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.923+/-22.129 χ^2/NDF:1.7/4

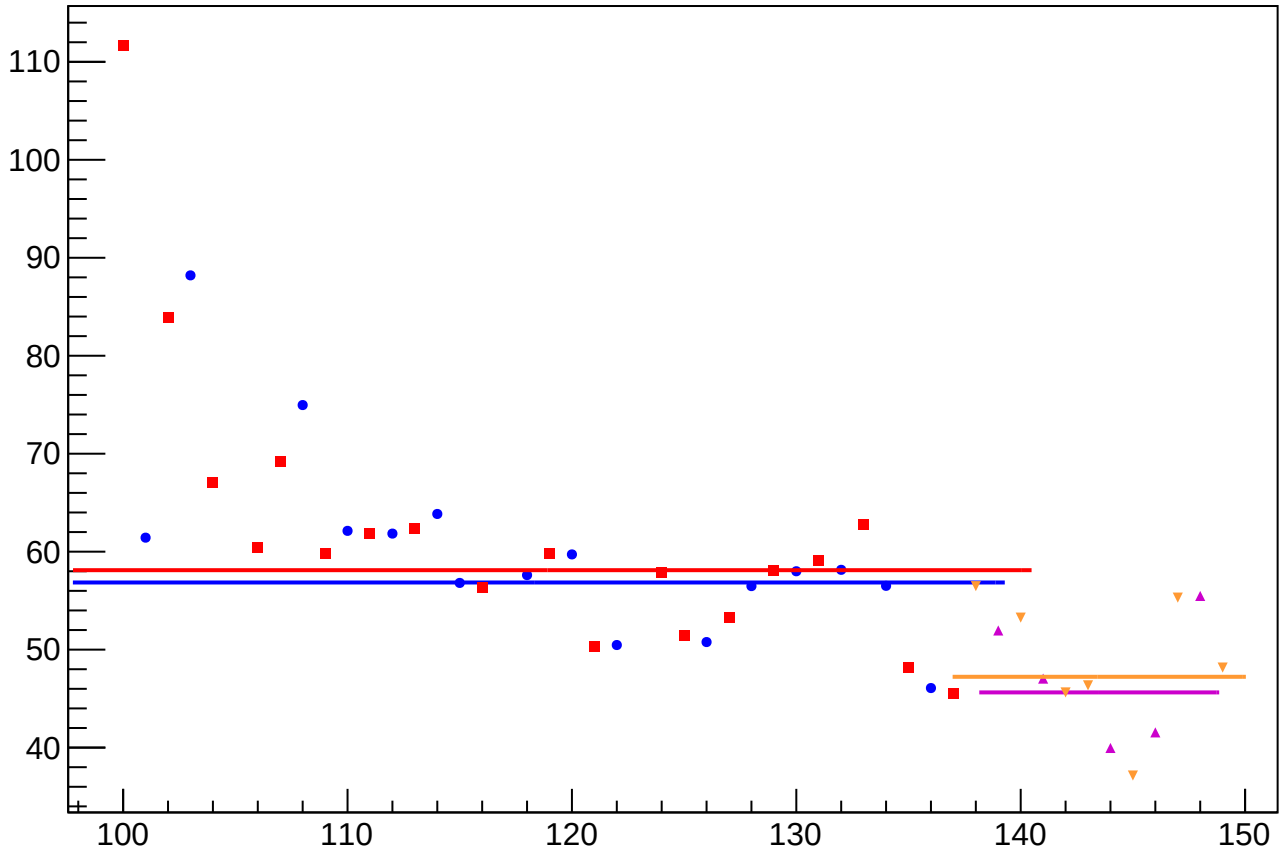
Left: -28.278+/-15.119 χ^2/NDF: 8.5/11

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 29.596+/-15.411 χ^2/NDF:24.6/20

Out: -12.148+/-14.957 χ^2/NDF:29.1/25

All: 8.100+/-10.733 χ^2/NDF: 57.5/46



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.228+/-0.015 χ^2/NDF:218225.8/6

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 45.634+/-0.016 χ^2/NDF:131573.9/4

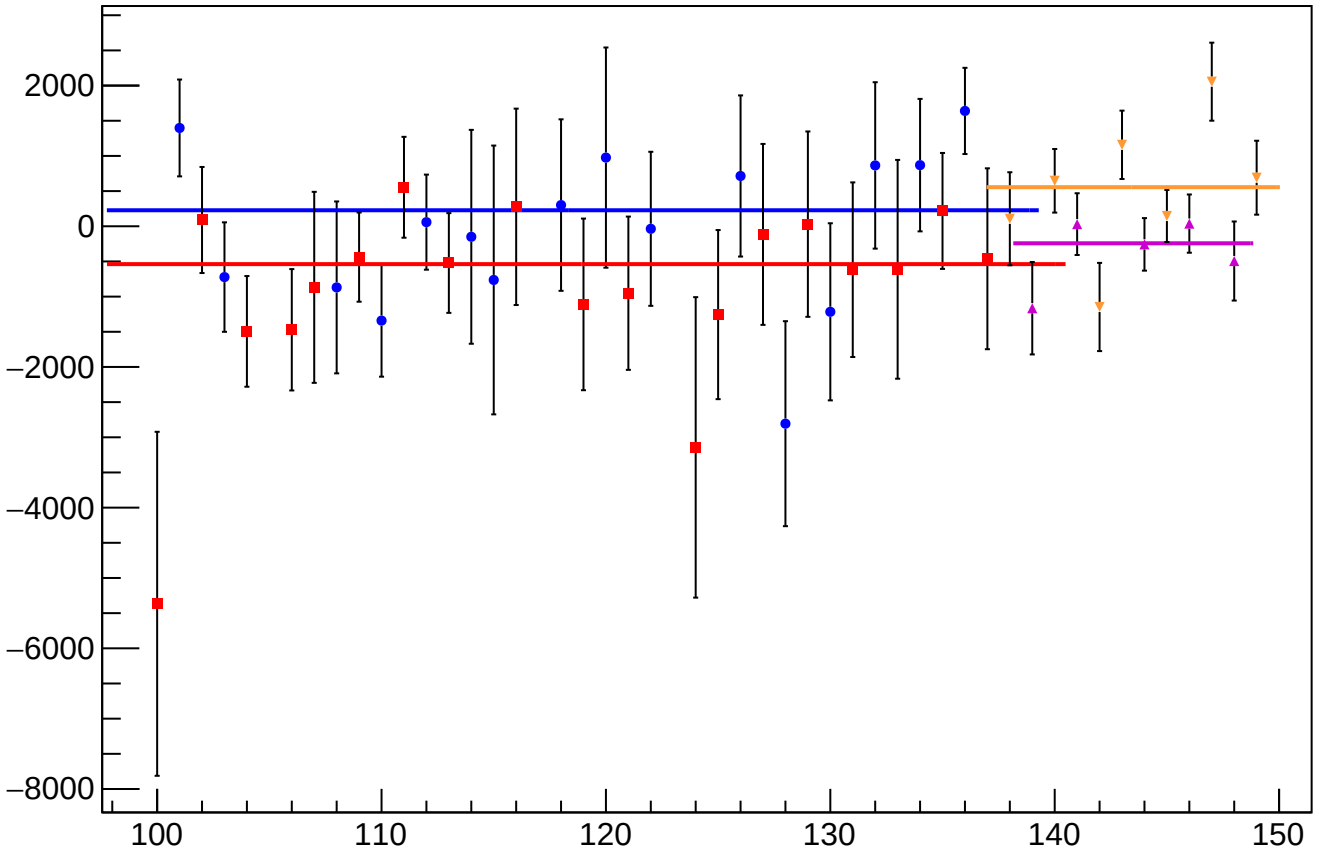
Left: 46.484+/-0.011 χ^2/NDF: 355334.1/11

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.412+/-0.011 χ^2/NDF:738008.8/20

Out: 52.431+/-0.011 χ^2/NDF:795372.8/25

All: 51.937+/-0.008 χ^2/NDF: 1537883.3/46



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 555.801+/-188.487 χ^2/NDF:18.0/6

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -241.956+/-205.514 χ^2/NDF:3.0/4

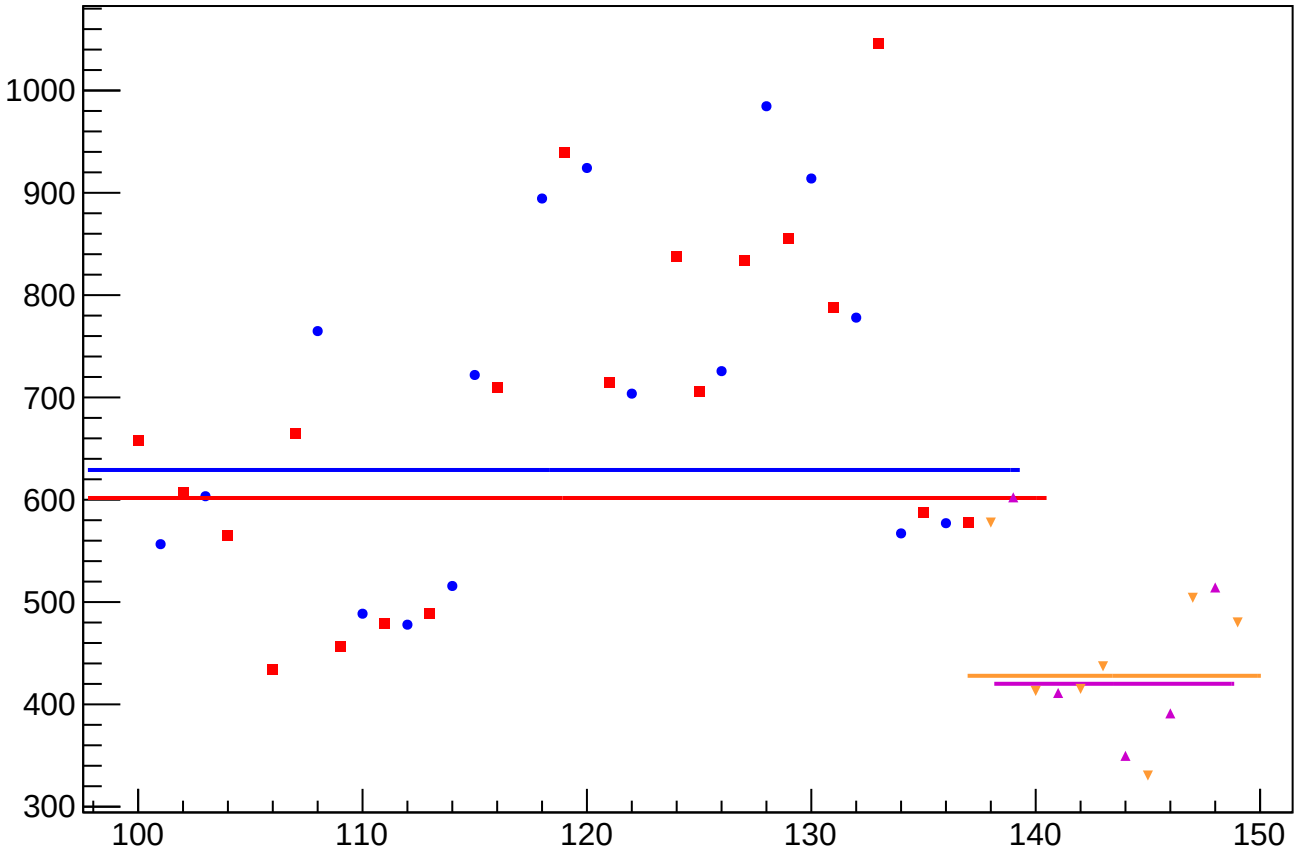
Left: 191.333+/-138.911 χ^2/NDF: 29.2/11

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -44.499+/-156.438 χ^2/NDF:26.8/20

Out: 113.439+/-145.467 χ^2/NDF:45.0/25

All: 40.202+/-106.528 χ^2/NDF: 72.4/46



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 427.935+/-0.133 χ^2/NDF:302779.9/6

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 420.123+/-0.145 χ^2/NDF:291742.8/4

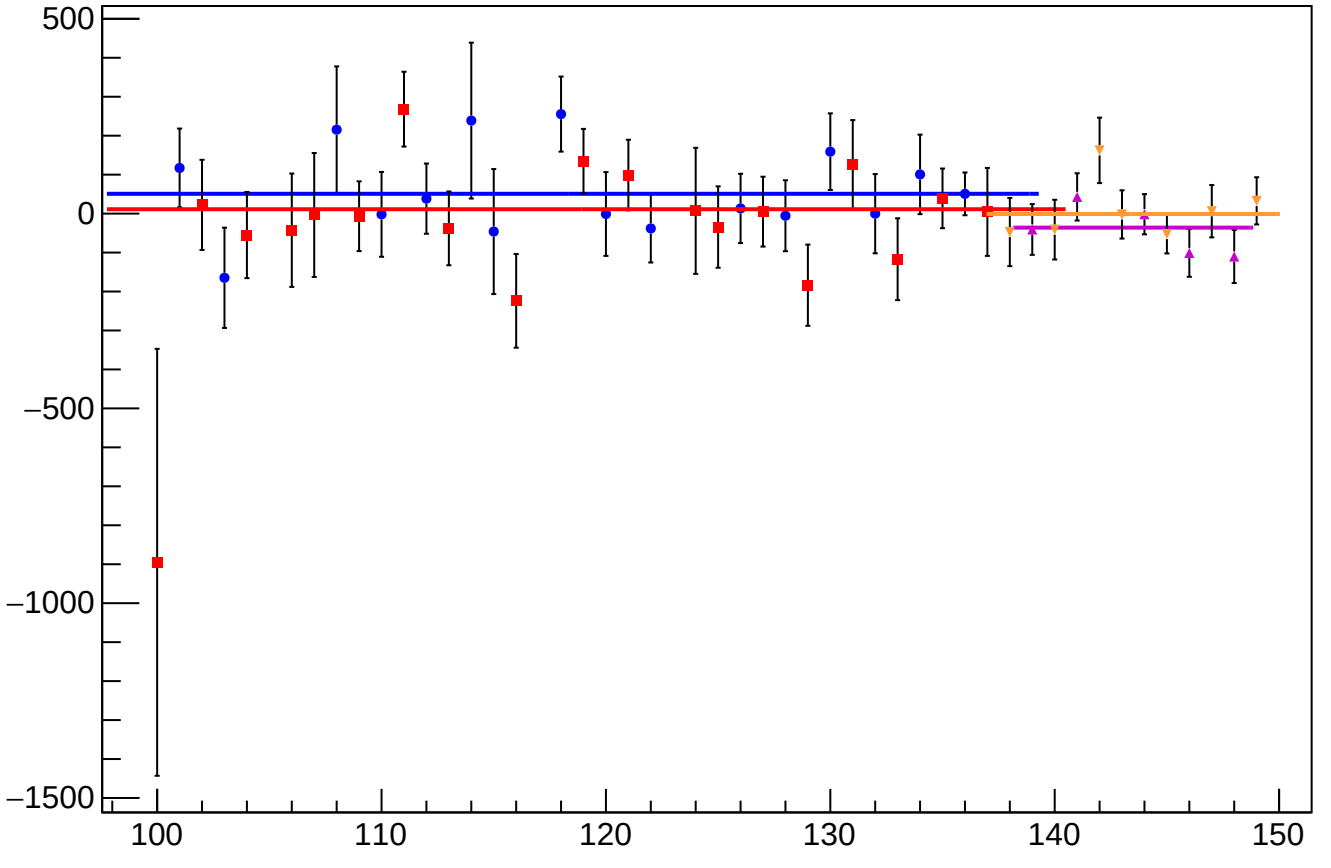
Left: 424.366+/-0.098 χ^2/NDF: 596092.6/11

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 508.012+/-0.111 χ^2/NDF:1854185.9/20

Out: 498.211+/-0.103 χ^2/NDF:1864342.1/25

All: 502.756+/-0.075 χ^2/NDF: 3722737.9/46



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.012+/-25.006 χ^2/NDF:5.7/6

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -35.983+/-27.085 χ^2/NDF:4.4/4

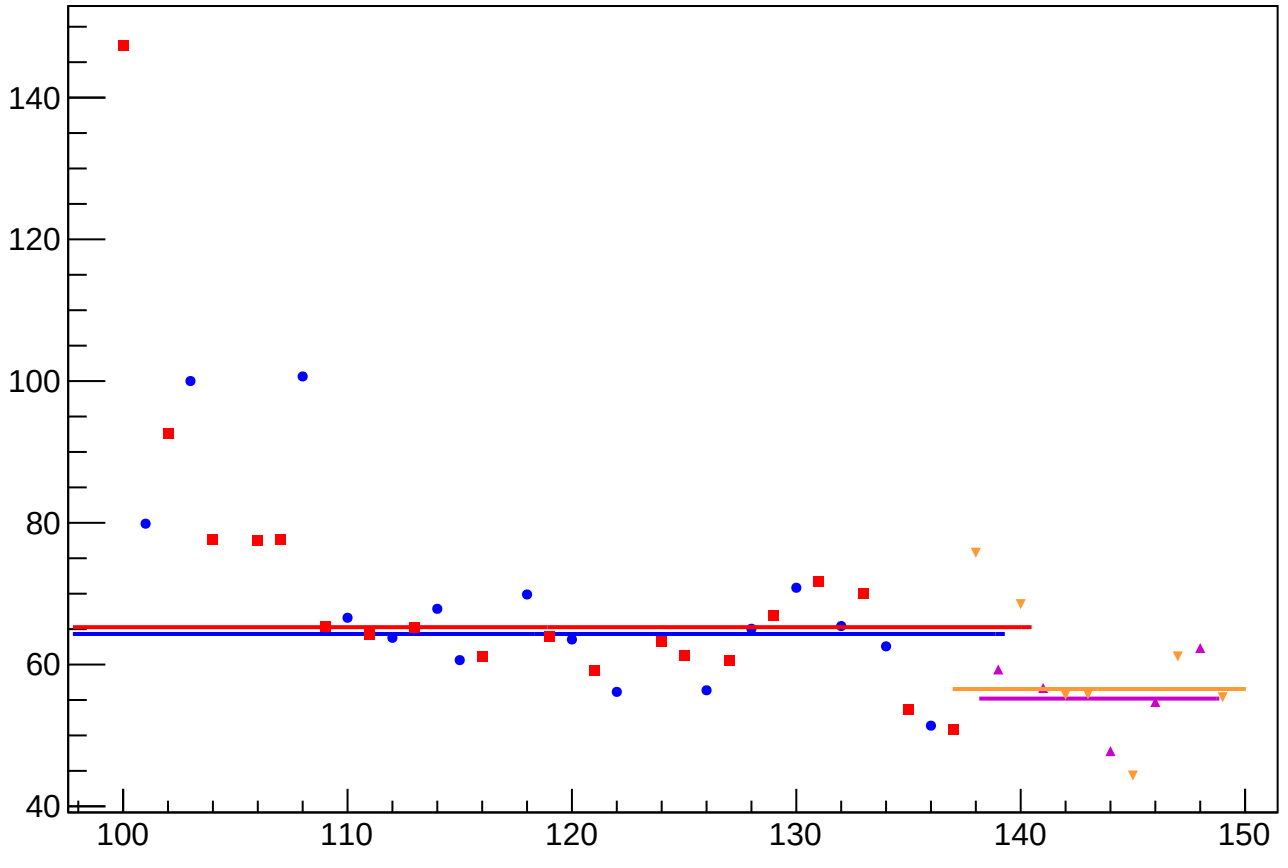
Left: -17.104+/-18.373 χ^2/NDF: 11.1/11

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 11.793+/-18.166 χ^2/NDF:23.9/20

Out: 5.294+/-17.436 χ^2/NDF:29.9/25

All: 8.410+/-12.579 χ^2/NDF: 53.8/46



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.551+/-0.018 χ^2/NDF:275967.9/6

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.199+/-0.019 χ^2/NDF:72385.9/4

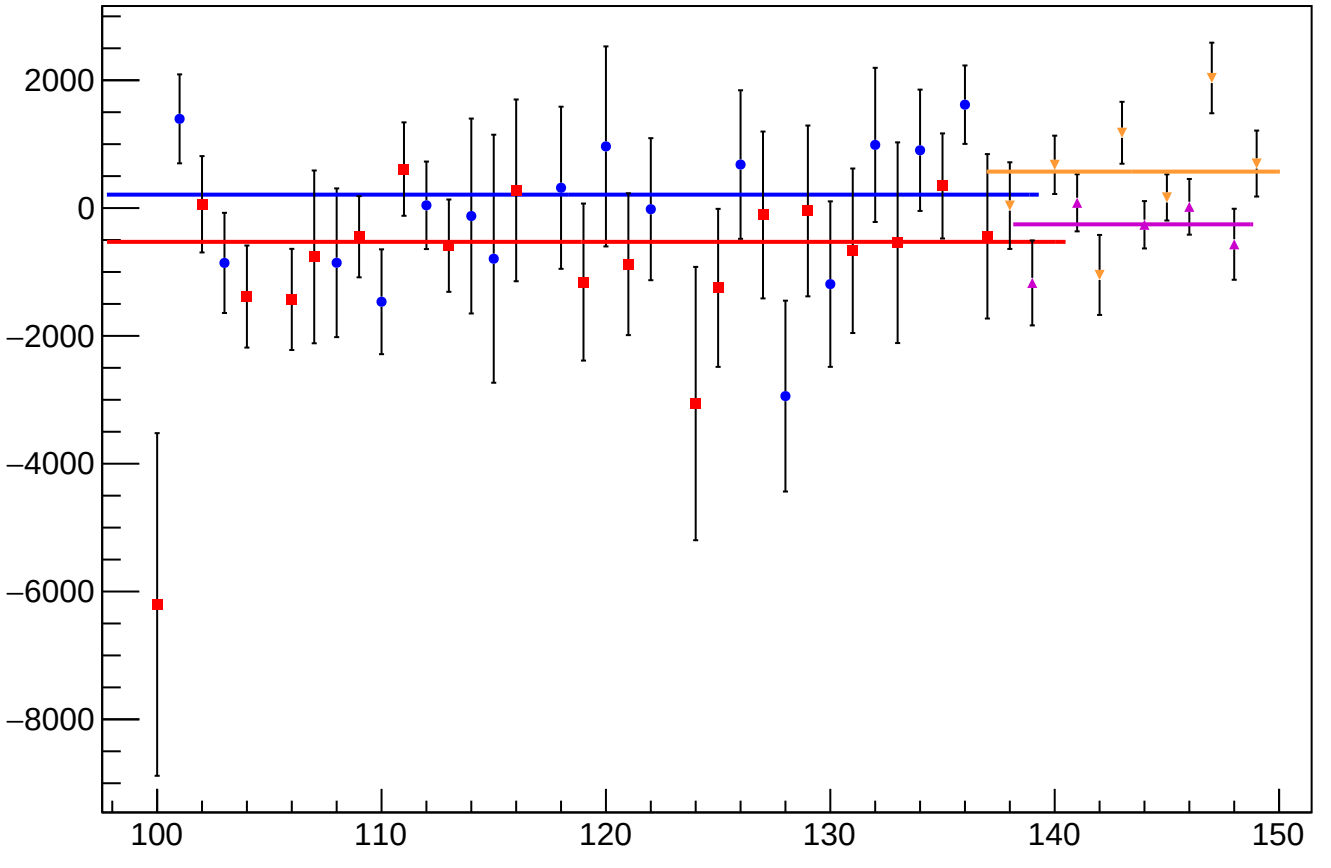
Left: 55.929+/-0.013 χ^2/NDF: 351042.6/11

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 60.215+/-0.013 χ^2/NDF:662019.6/20

Out: 61.035+/-0.012 χ^2/NDF:720249.6/25

All: 60.642+/-0.009 χ^2/NDF: 1384387.9/46



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 570.497+/-187.375 χ^2/NDF:17.3/6

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -254.677+/-208.253 χ^2/NDF:3.2/4

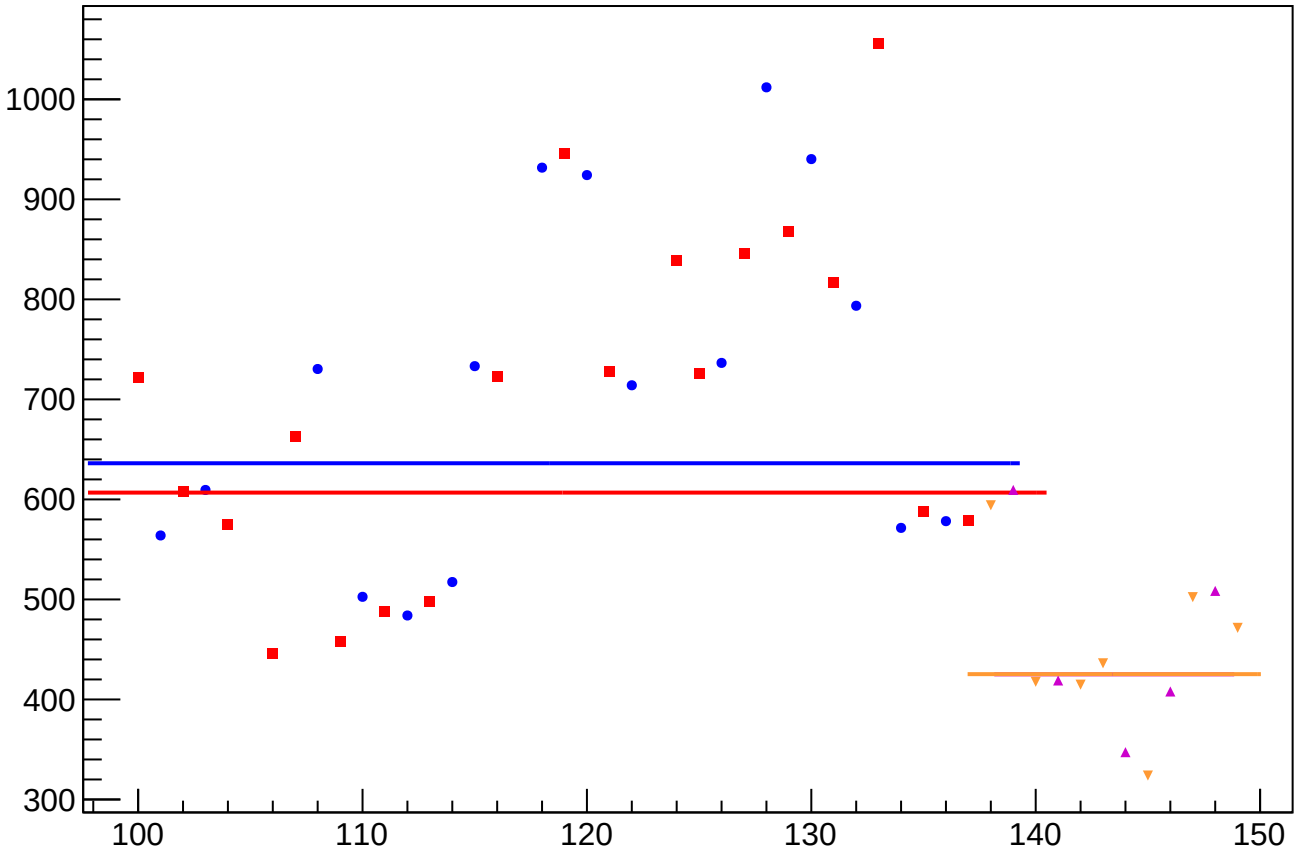
Left: 201.334+/-139.292 χ^2/NDF: 29.1/11

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -58.645+/-158.347 χ^2/NDF:27.7/20

Out: 131.269+/-145.189 χ^2/NDF:44.8/25

All: 44.530+/-107.014 χ^2/NDF: 73.3/46



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 425.302+/-0.132 χ^2/NDF:338422.0/6

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 425.100+/-0.147 χ^2/NDF:290528.4/4

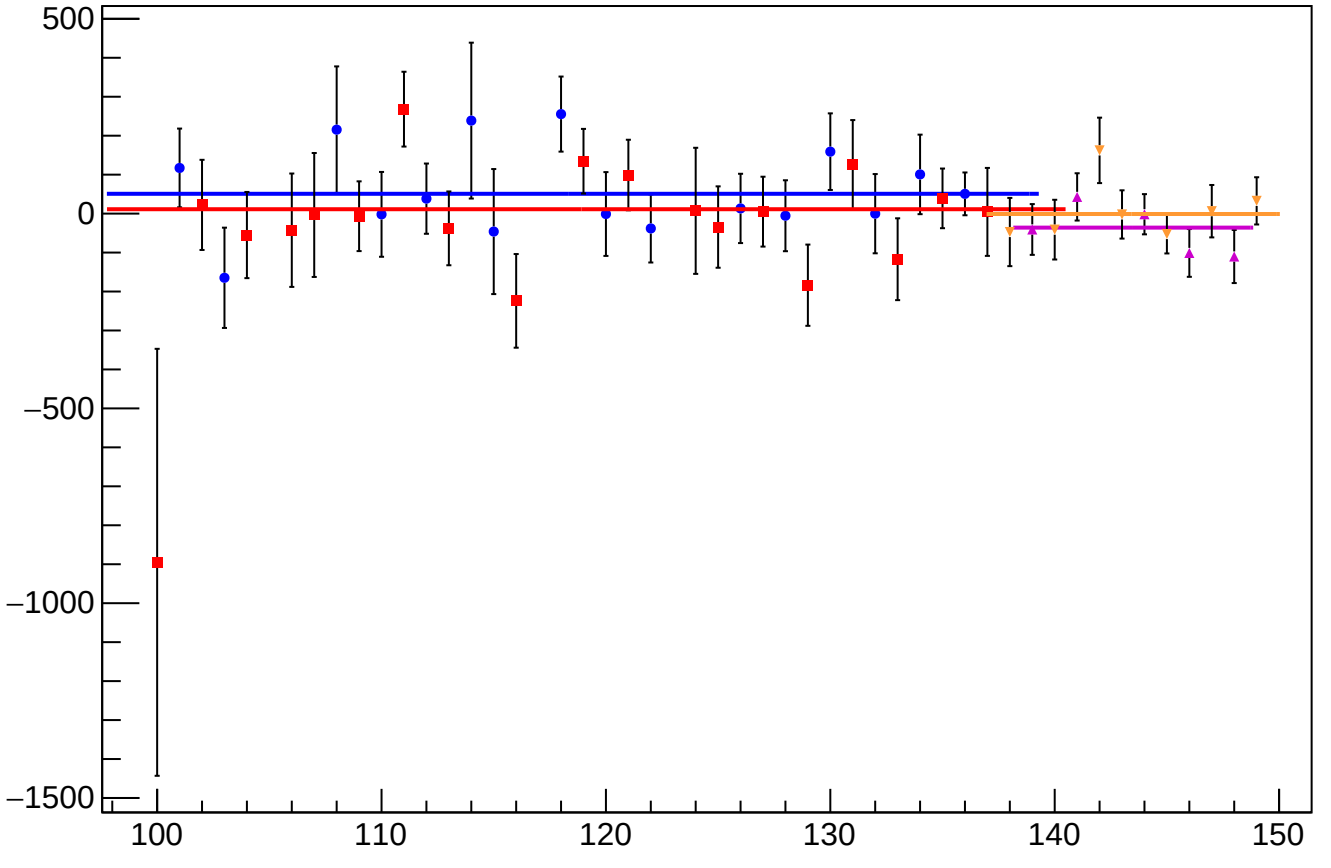
Left: 425.212+/-0.098 χ^2/NDF: 628951.4/11

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 514.130+/-0.112 χ^2/NDF:1862239.0/20

Out: 497.829+/-0.103 χ^2/NDF:1982175.9/25

All: 505.274+/-0.076 χ^2/NDF: 3855928.7/46



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.012+/-25.006 χ^2/NDF:5.7/6

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -35.983+/-27.085 χ^2/NDF:4.4/4

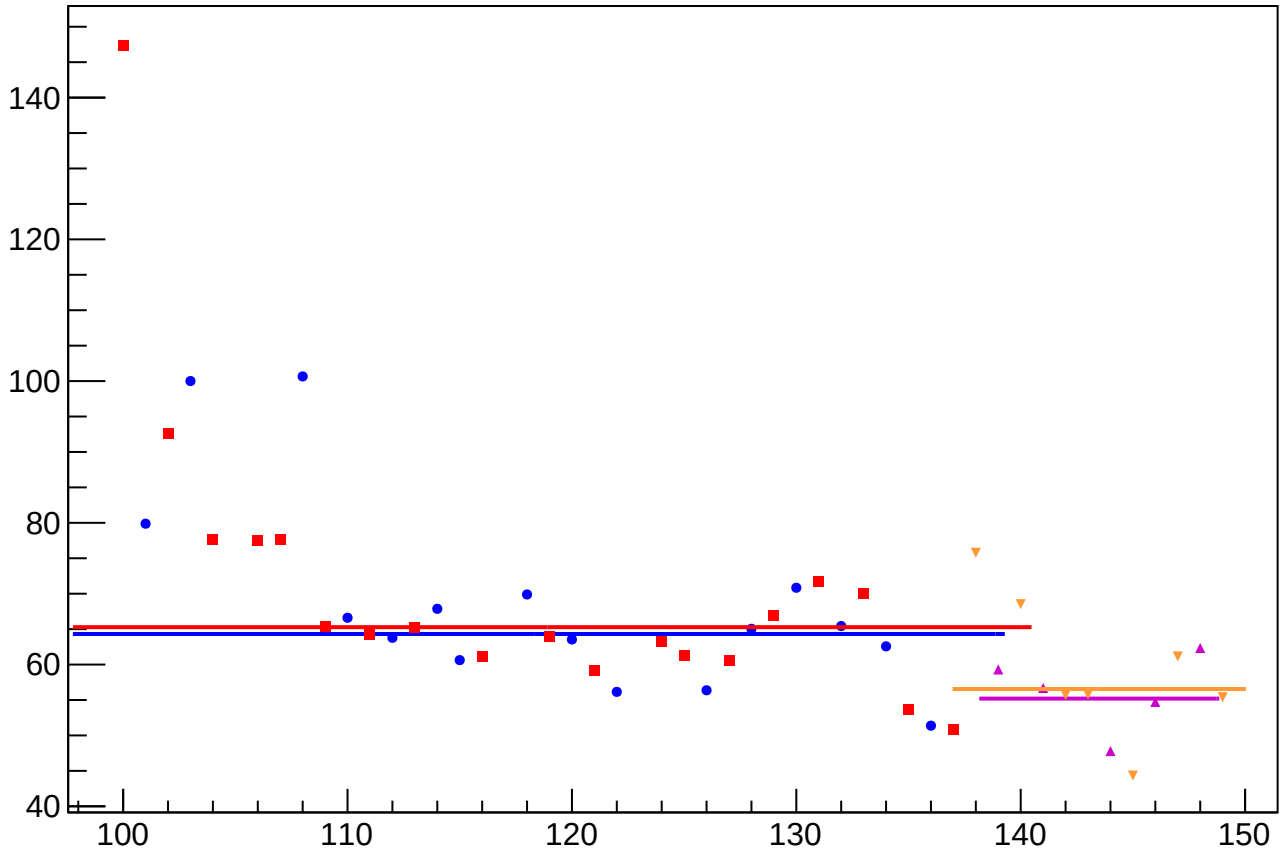
Left: -17.104+/-18.373 χ^2/NDF: 11.1/11

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 11.792+/-18.166 χ^2/NDF:23.9/20

Out: 5.294+/-17.436 χ^2/NDF:29.9/25

All: 8.410+/-12.579 χ^2/NDF: 53.8/46



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.551+/-0.018 χ^2/NDF:275954.3/6

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.200+/-0.019 χ^2/NDF:72381.2/4

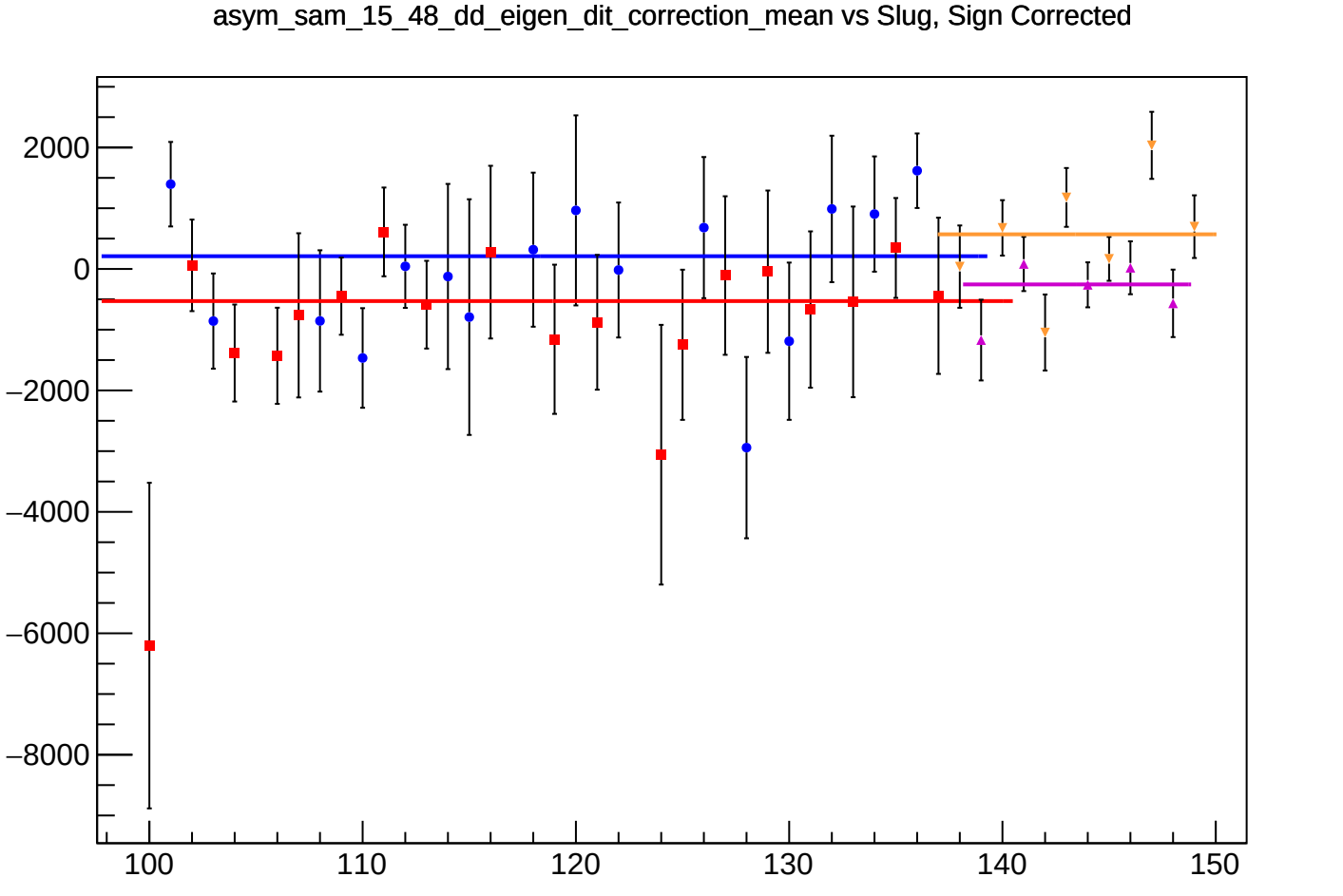
Left: 55.929+/-0.013 χ^2/NDF: 351024.6/11

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 60.215+/-0.013 χ^2/NDF:662009.5/20

Out: 61.035+/-0.012 χ^2/NDF:720231.8/25

All: 60.642+/-0.009 χ^2/NDF: 1384360.1/46



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 570.496+/-187.375 χ^2/NDF:17.3/6

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -254.676+/-208.252 χ^2/NDF:3.2/4

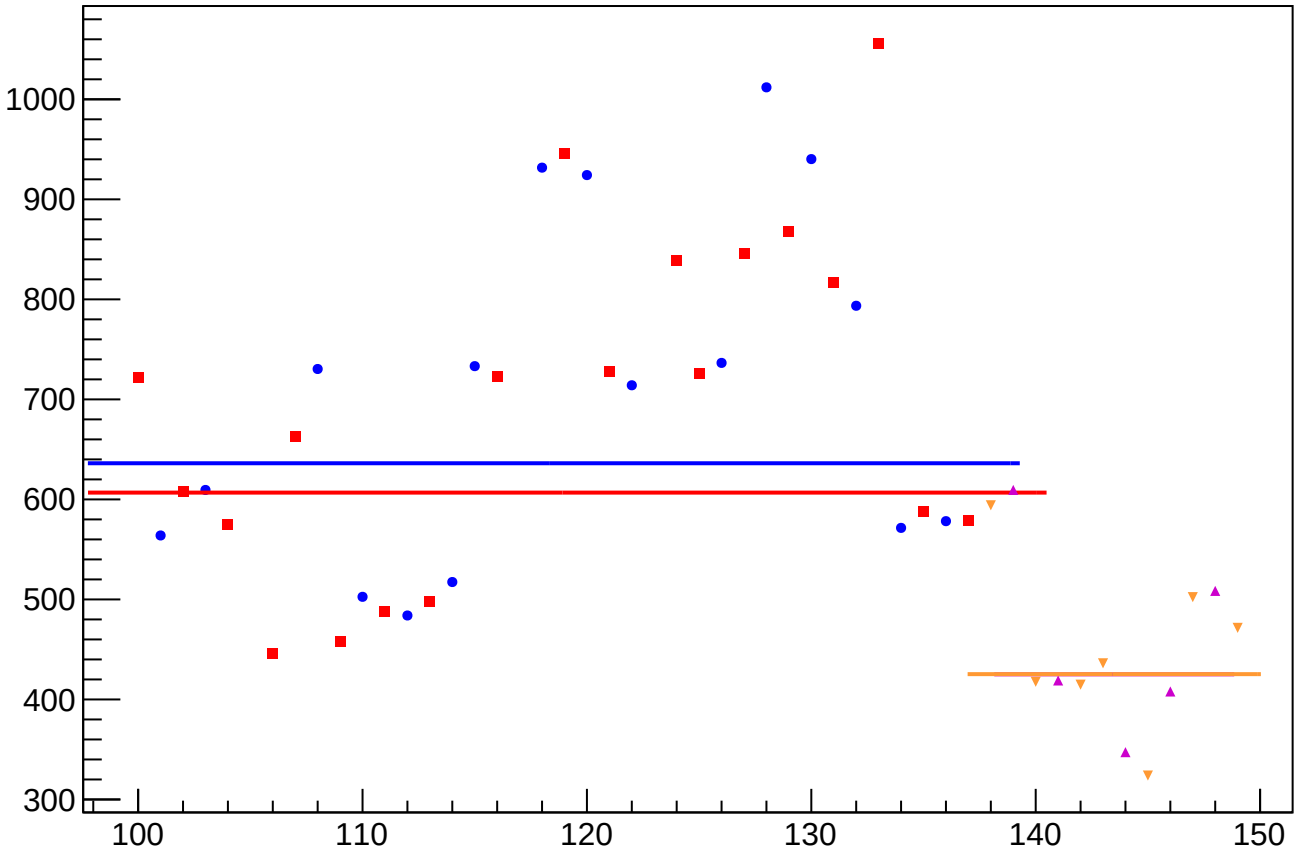
Left: 201.334+/-139.292 χ^2/NDF: 29.1/11

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -58.645+/-158.347 χ^2/NDF:27.7/20

Out: 131.270+/-145.188 χ^2/NDF:44.8/25

All: 44.530+/-107.014 χ^2/NDF: 73.3/46



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 425.301+/-0.132 χ^2/NDF:338426.3/6

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: 425.211+/-0.098 χ^2/NDF: 628956.4/11

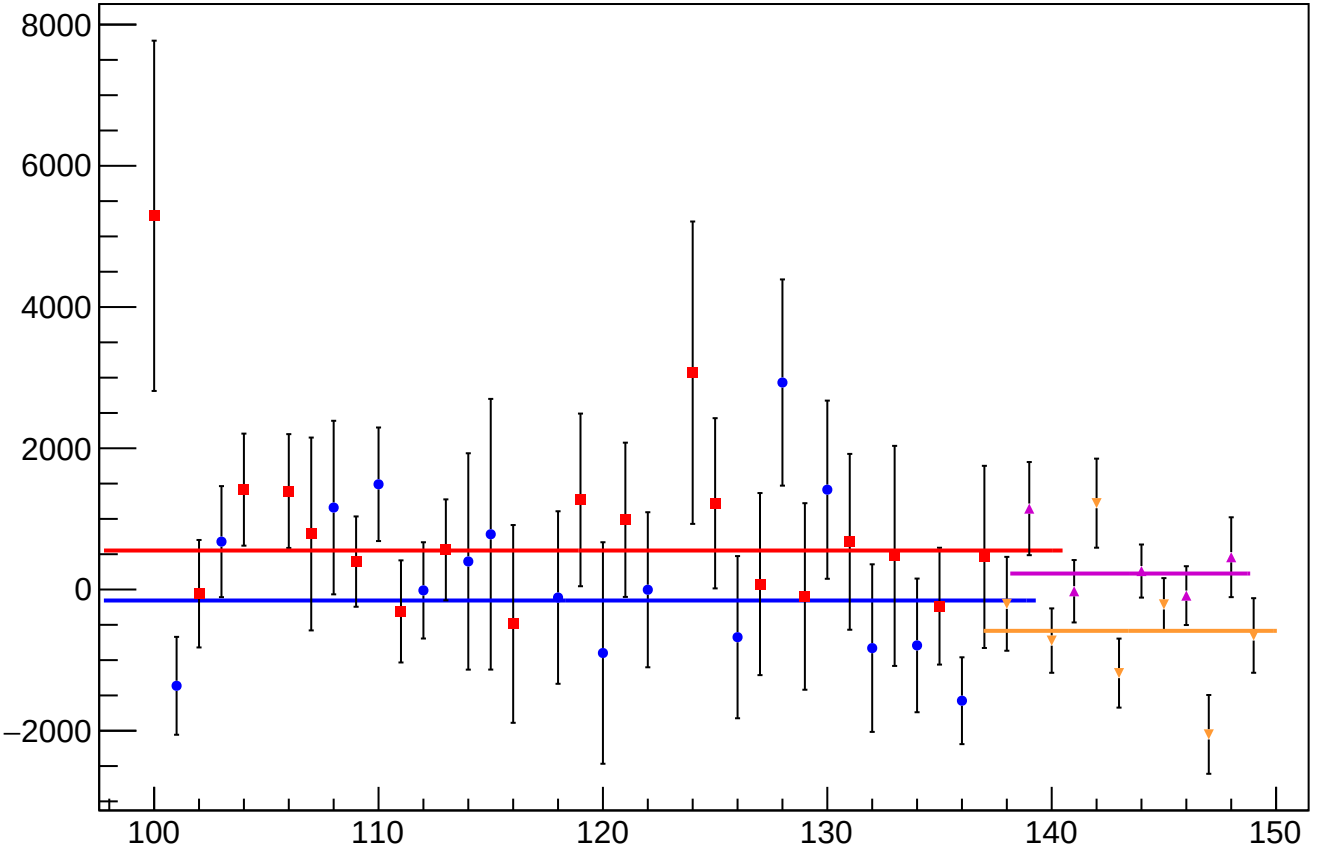
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 514.129+/-0.112 χ^2/NDF:1862245.0/20

Out: 497.828+/-0.103 χ^2/NDF:1982187.1/25

All: 505.273+/-0.076 χ^2/NDF: 3855946.2/46

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -585.312+/-189.684 χ^2/NDF:18.1/6

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: -214.494+/-139.779 χ^2/NDF: 29.4/11

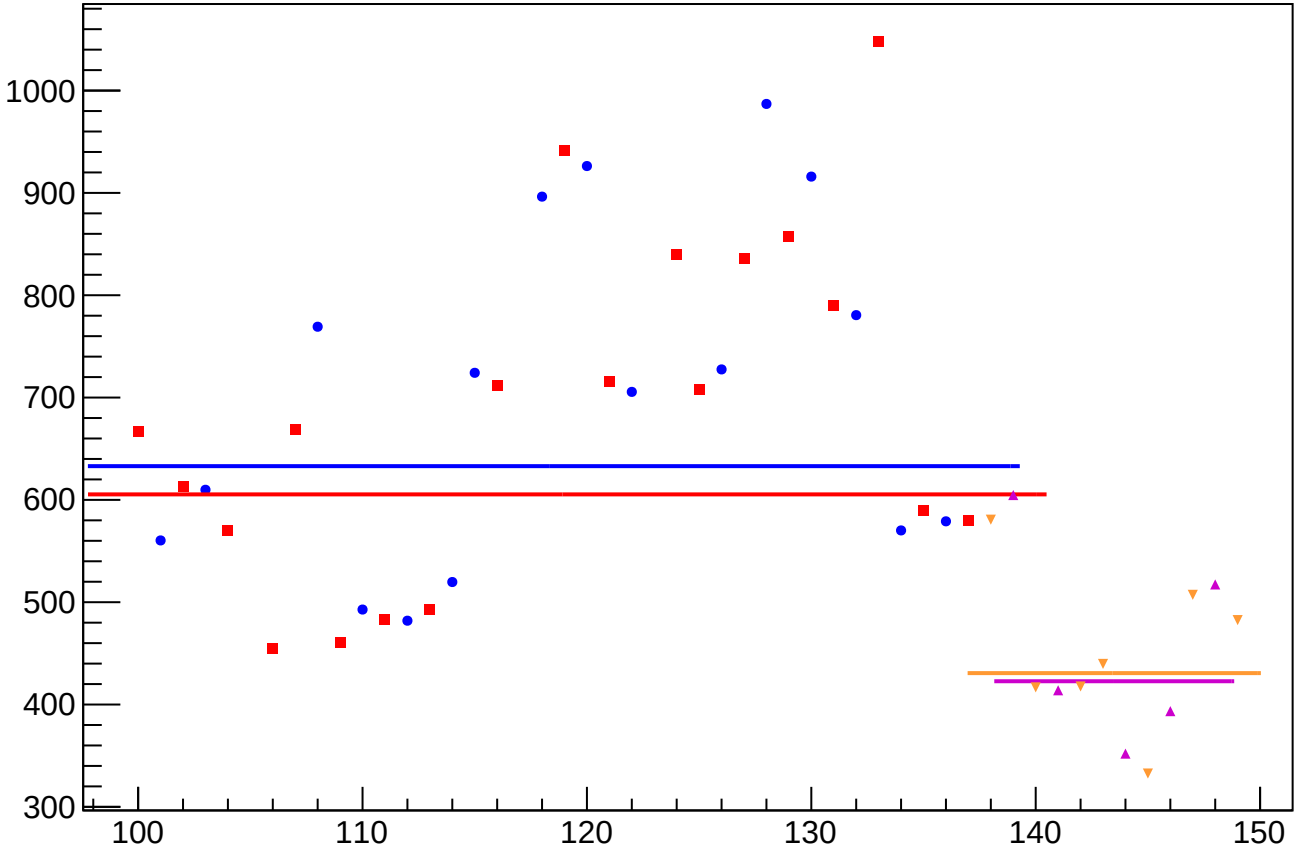
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 65.494+/-157.367 χ^2/NDF:26.9/20

Out: -122.185+/-146.051 χ^2/NDF:44.9/25

All: -35.336+/-107.051 χ^2/NDF: 72.5/46

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 430.704+/-0.134 χ^2/NDF:301131.4/6

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 422.763+/-0.146 χ^2/NDF:289656.7/4

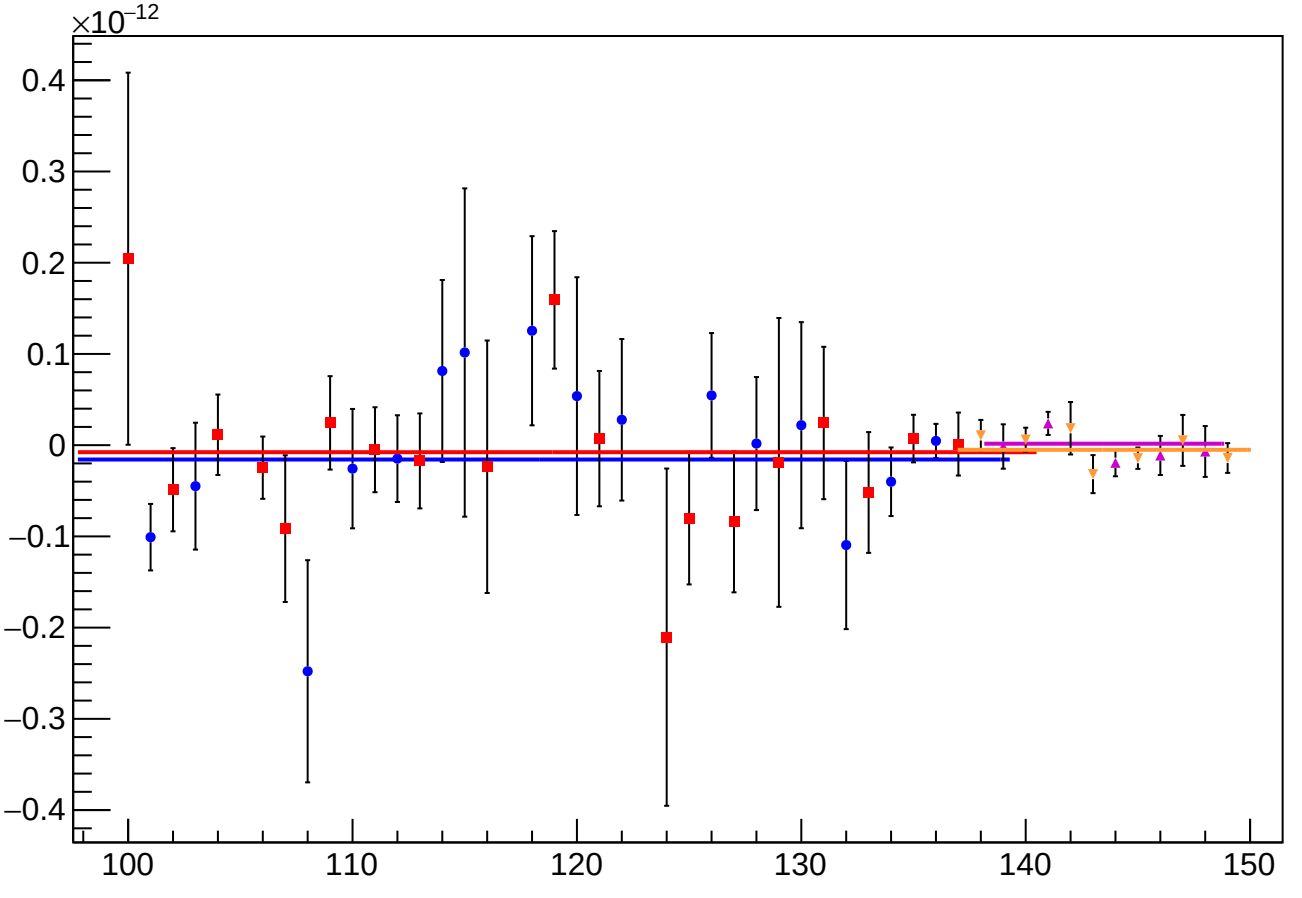
Left: 427.075+/-0.099 χ^2/NDF: 592389.8/11

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 511.214+/-0.111 χ^2/NDF:1840517.3/20

Out: 501.820+/-0.103 χ^2/NDF:1845611.0/25

All: 506.167+/-0.076 χ^2/NDF: 3689957.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/4

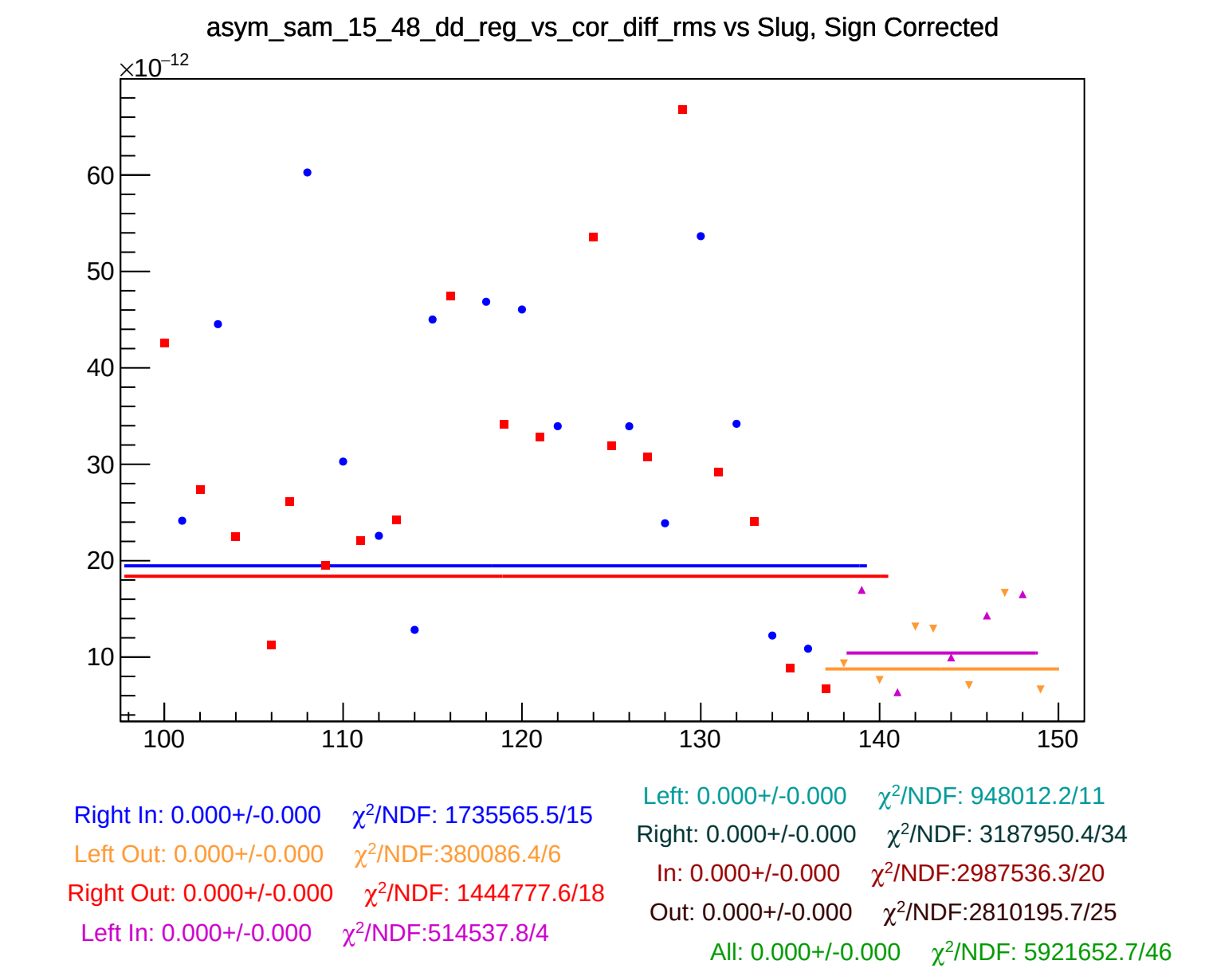
Left: -0.000+/-0.000 χ^2/NDF: 10.9/11

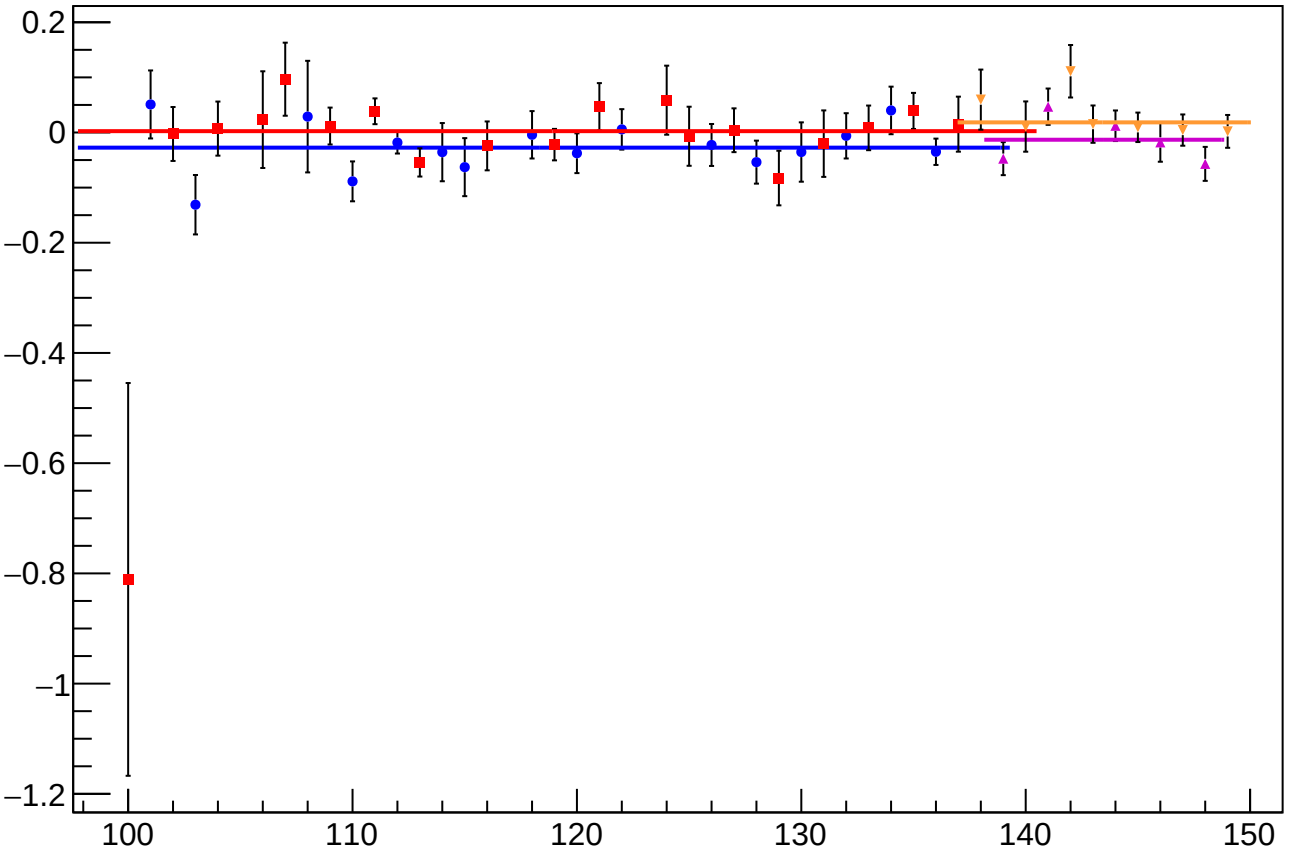
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:23.8/20

Out: -0.000+/-0.000 χ^2/NDF:18.0/25

All: -0.000+/-0.000 χ^2/NDF: 41.9/46


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:380086.4/6
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: 948012.2/11
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:2810195.7/25
All: 0.000+/-0.000 χ²/NDF: 5921652.7/46



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.018+/-0.013 χ^2/NDF:5.1/6

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.013+/-0.014 χ^2/NDF:7.5/4

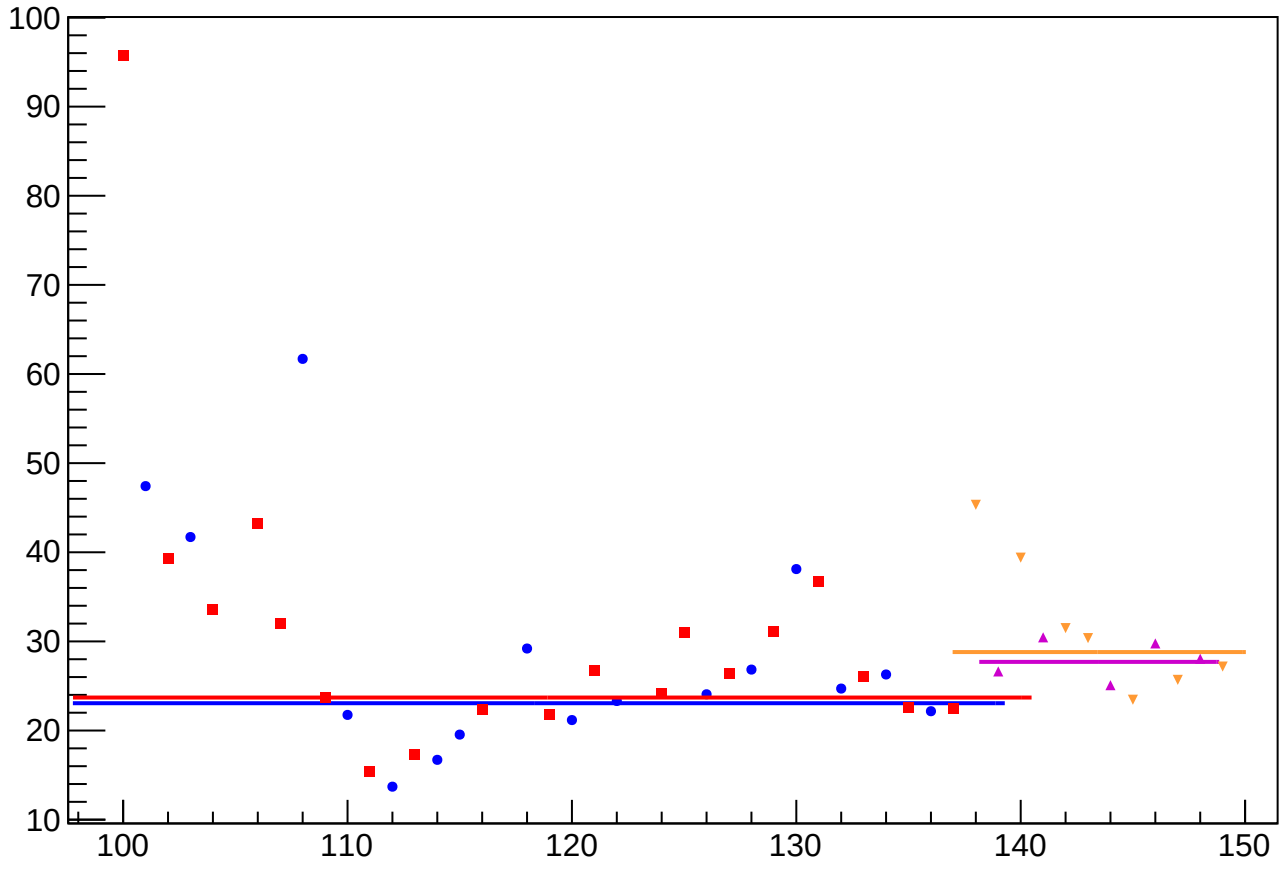
Left: 0.004+/-0.009 χ^2/NDF: 15.3/11

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:28.1/25

All: -0.007+/-0.005 χ^2/NDF: 58.1/46



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.805+/-0.009 χ^2/NDF:412495.1/6

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

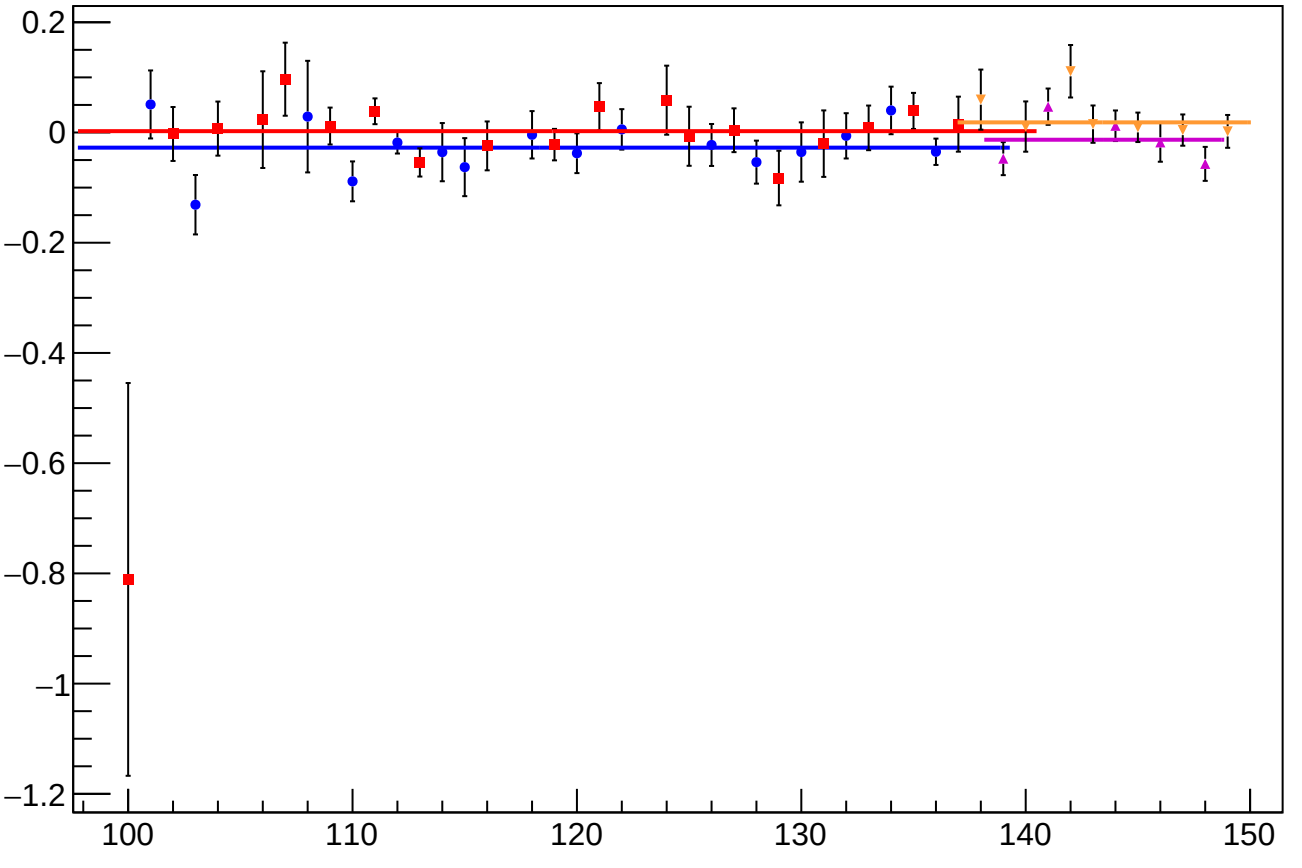
Left: 28.289+/-0.007 χ^2/NDF: 460704.2/11

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.524+/-0.006 χ^2/NDF:1759183.6/20

Out: 25.425+/-0.005 χ^2/NDF:1704573.5/25

All: 24.987+/-0.004 χ^2/NDF: 3477549.4/46



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.018+/-0.013 χ^2/NDF:5.1/6

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.013+/-0.014 χ^2/NDF:7.5/4

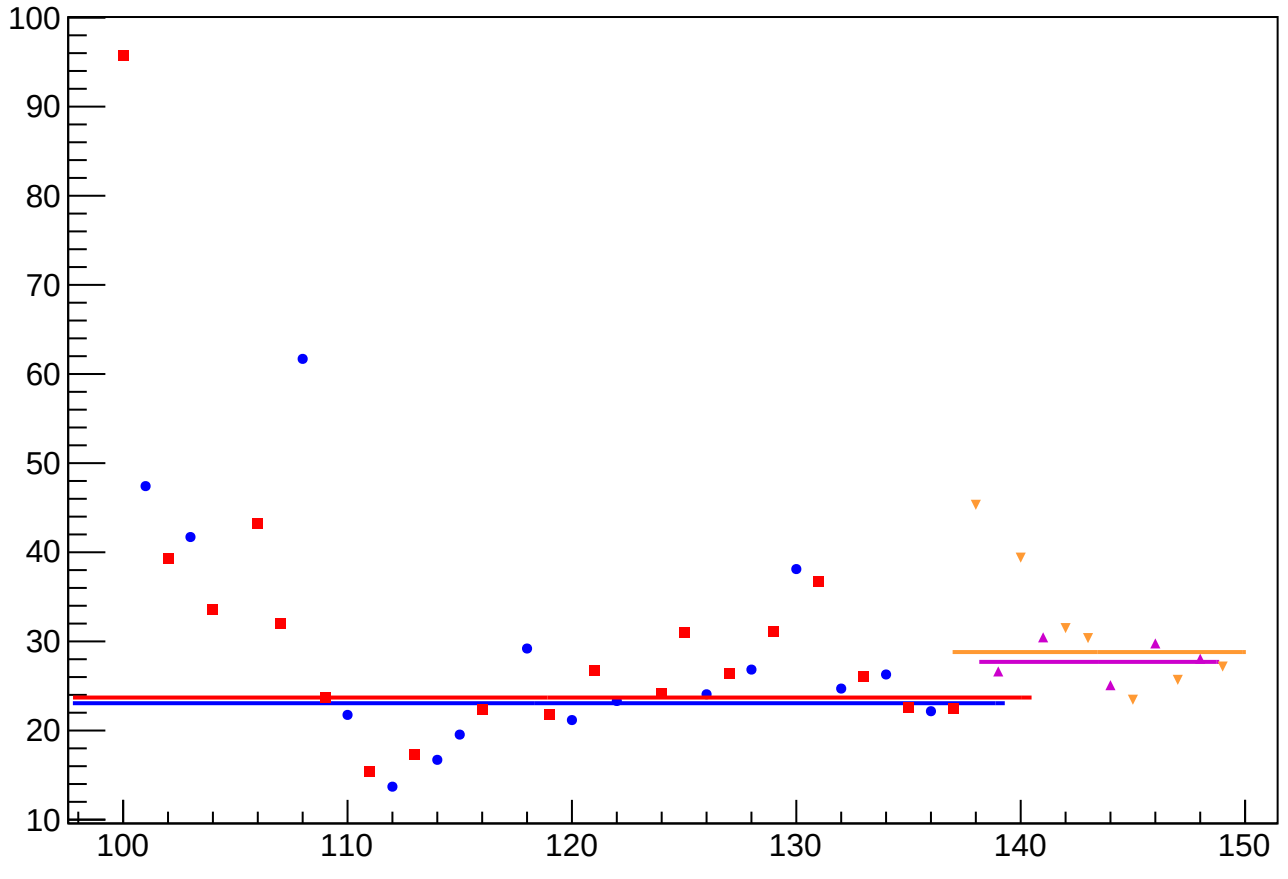
Left: 0.004+/-0.009 χ^2/NDF: 15.3/11

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:28.1/25

All: -0.007+/-0.005 χ^2/NDF: 58.1/46



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.805+/-0.009 χ^2/NDF:412495.1/6

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.703+/-0.010 χ^2/NDF:41489.9/4

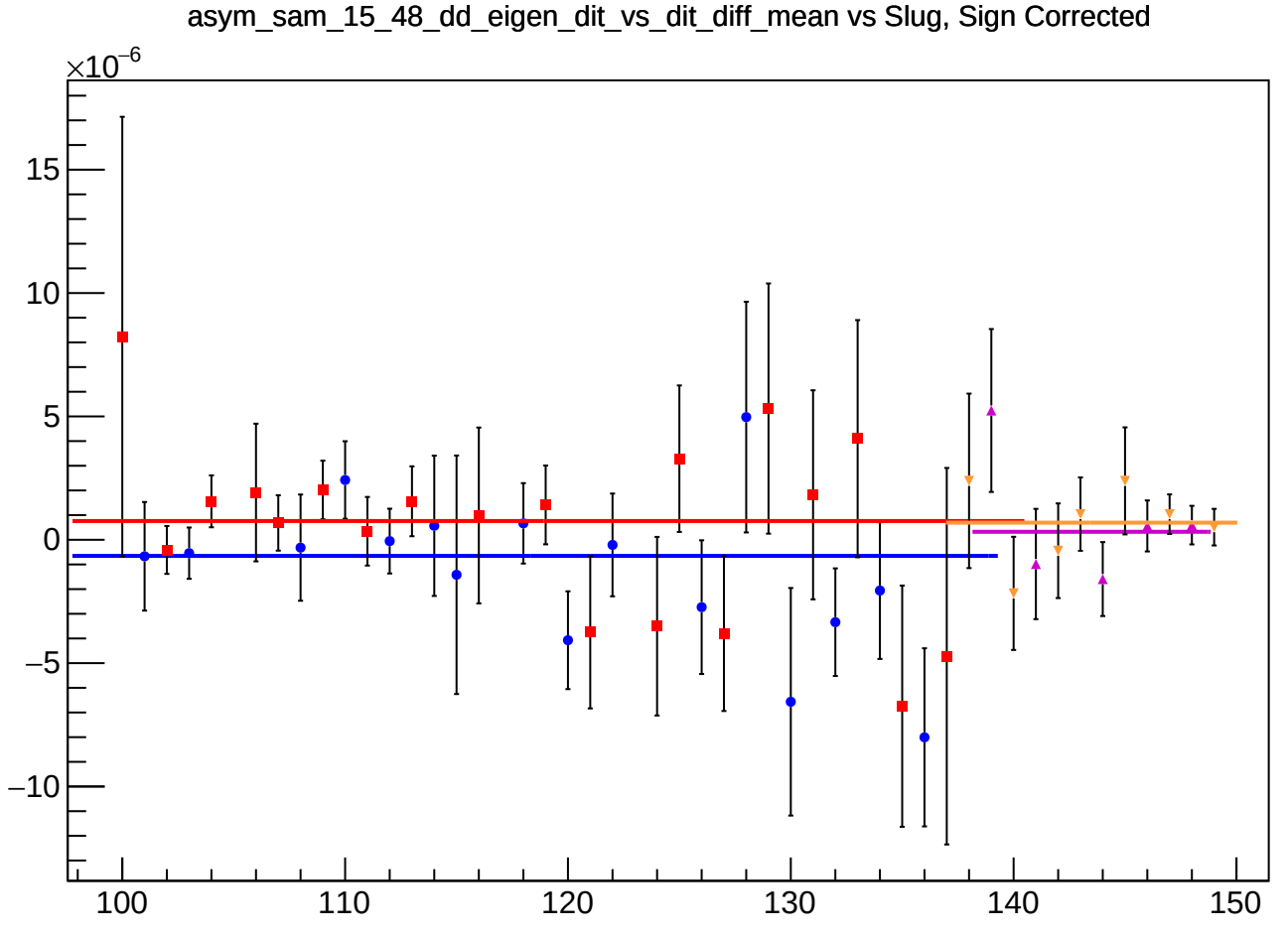
Left: 28.289+/-0.007 χ^2/NDF: 460704.2/11

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.524+/-0.006 χ^2/NDF:1759183.6/20

Out: 25.425+/-0.005 χ^2/NDF:1704573.5/25

All: 24.987+/-0.004 χ^2/NDF: 3477549.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/4

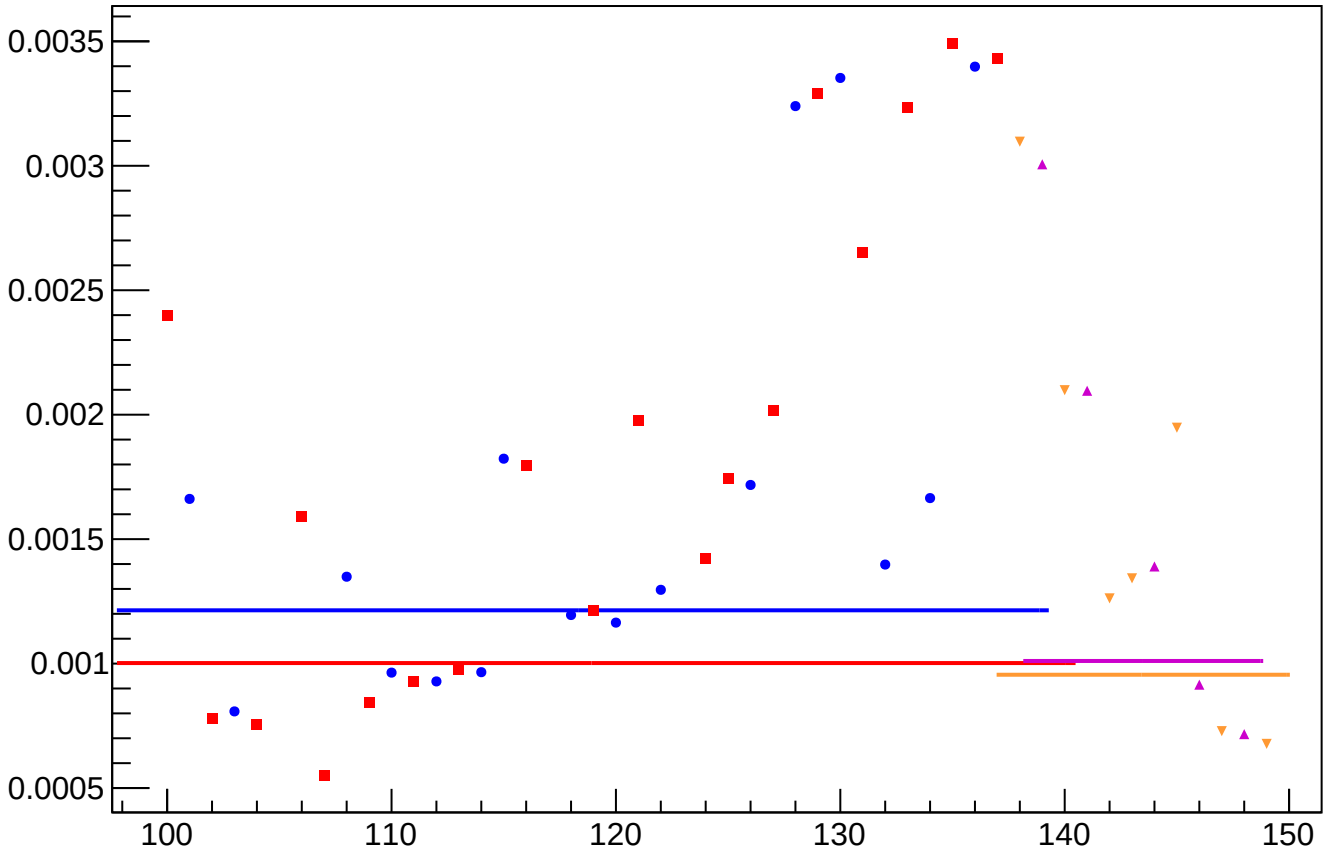
Left: 0.000+/-0.000 χ^2/NDF: 7.7/11

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:18.2/25

All: 0.000+/-0.000 χ^2/NDF: 45.7/46



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2276797.8/6

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1630146.4/4

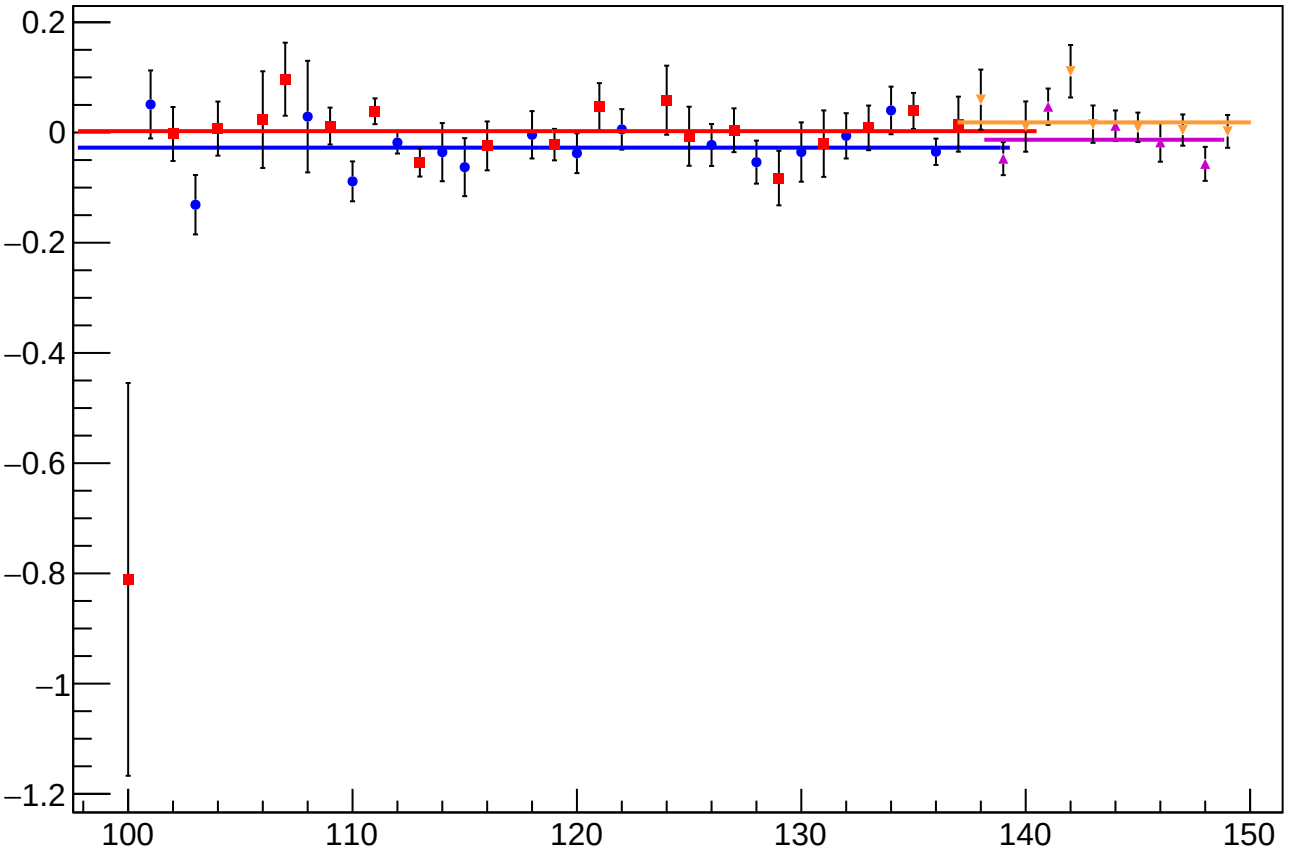
Left: 0.001+/-0.000 χ^2/NDF: 3918701.2/11

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:5565208.0/25

All: 0.001+/-0.000 χ^2/NDF: 9782382.7/46



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.018+/-0.013 χ^2/NDF:5.1/6

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+/-0.009 χ^2/NDF: 15.3/11

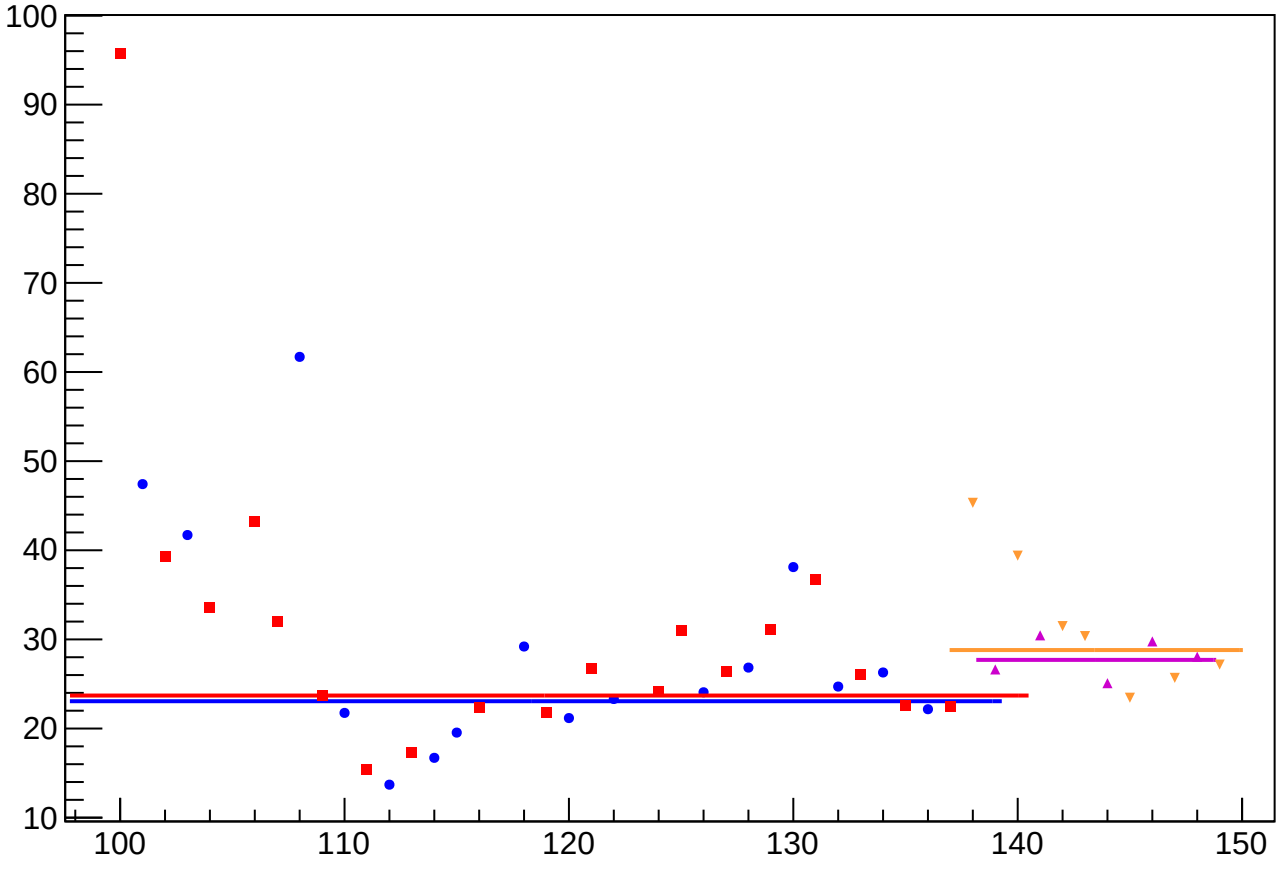
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.023+/-0.008 χ^2/NDF:21.9/20

Out: 0.008+/-0.008 χ^2/NDF:28.1/25

All: -0.007+/-0.005 χ^2/NDF: 58.1/46

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.806+/-0.009 χ^2/NDF:412458.3/6

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: 28.289+/-0.007 χ^2/NDF: 460672.2/11

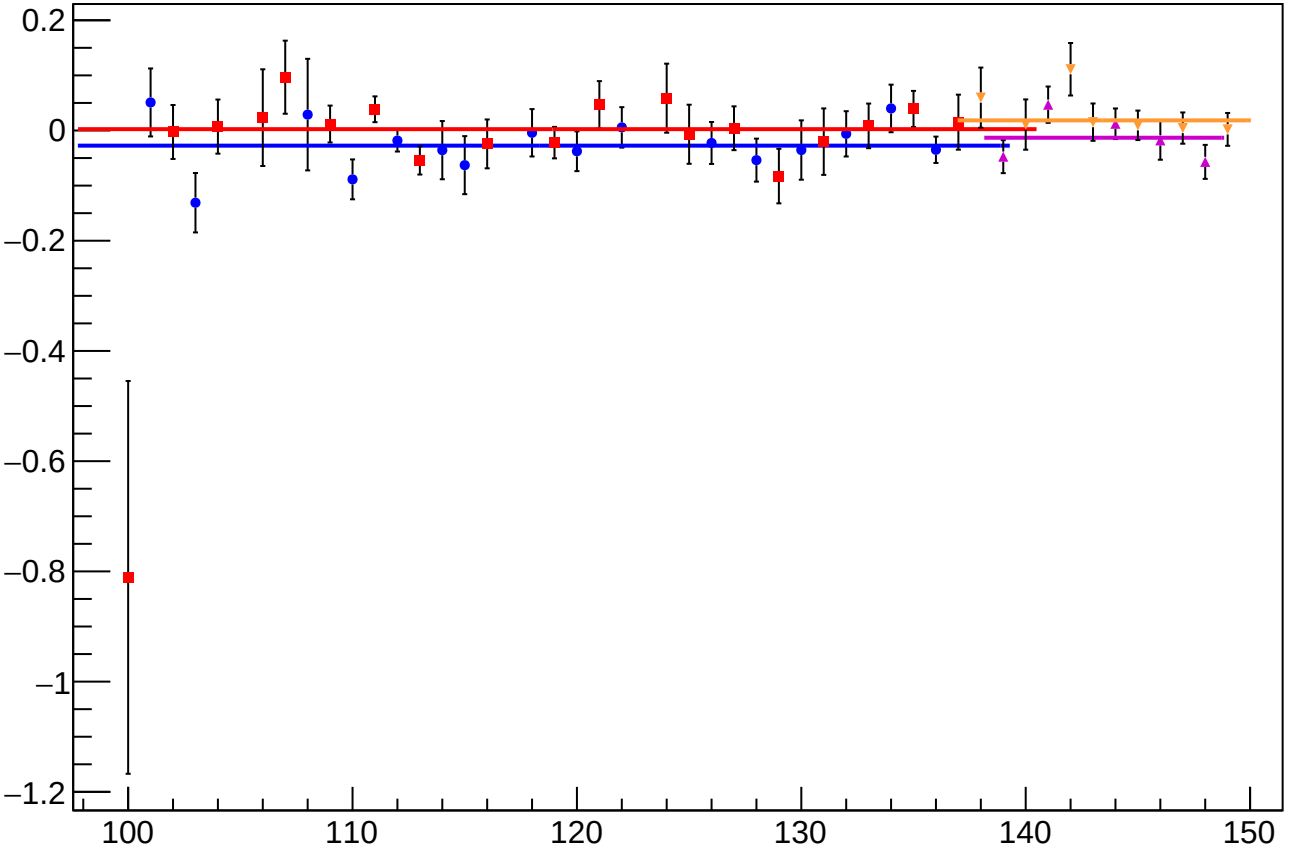
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.523+/-0.006 χ^2/NDF:1759212.4/20

Out: 25.424+/-0.005 χ^2/NDF:1704611.1/25

All: 24.987+/-0.004 χ^2/NDF: 3477617.2/46

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: 0.018+/-0.013 χ^2/NDF:5.1/6

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+/-0.009 χ^2/NDF: 15.3/11

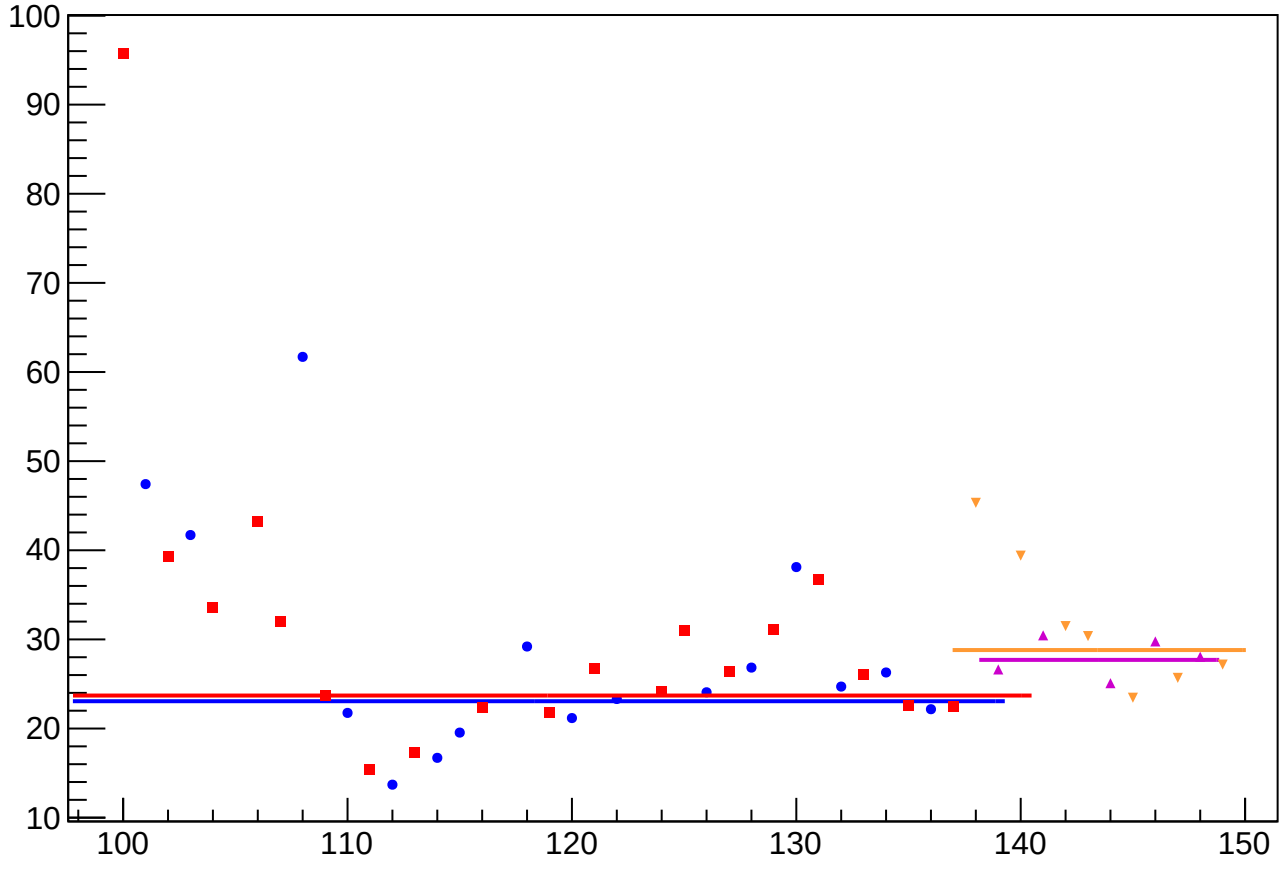
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.023+/-0.008 χ^2/NDF:21.9/20

Out: 0.008+/-0.008 χ^2/NDF:28.1/25

All: -0.007+/-0.005 χ^2/NDF: 58.1/46

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: 28.806+/-0.009 χ^2/NDF:412458.3/6

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.703+/-0.010 χ^2/NDF:41491.6/4

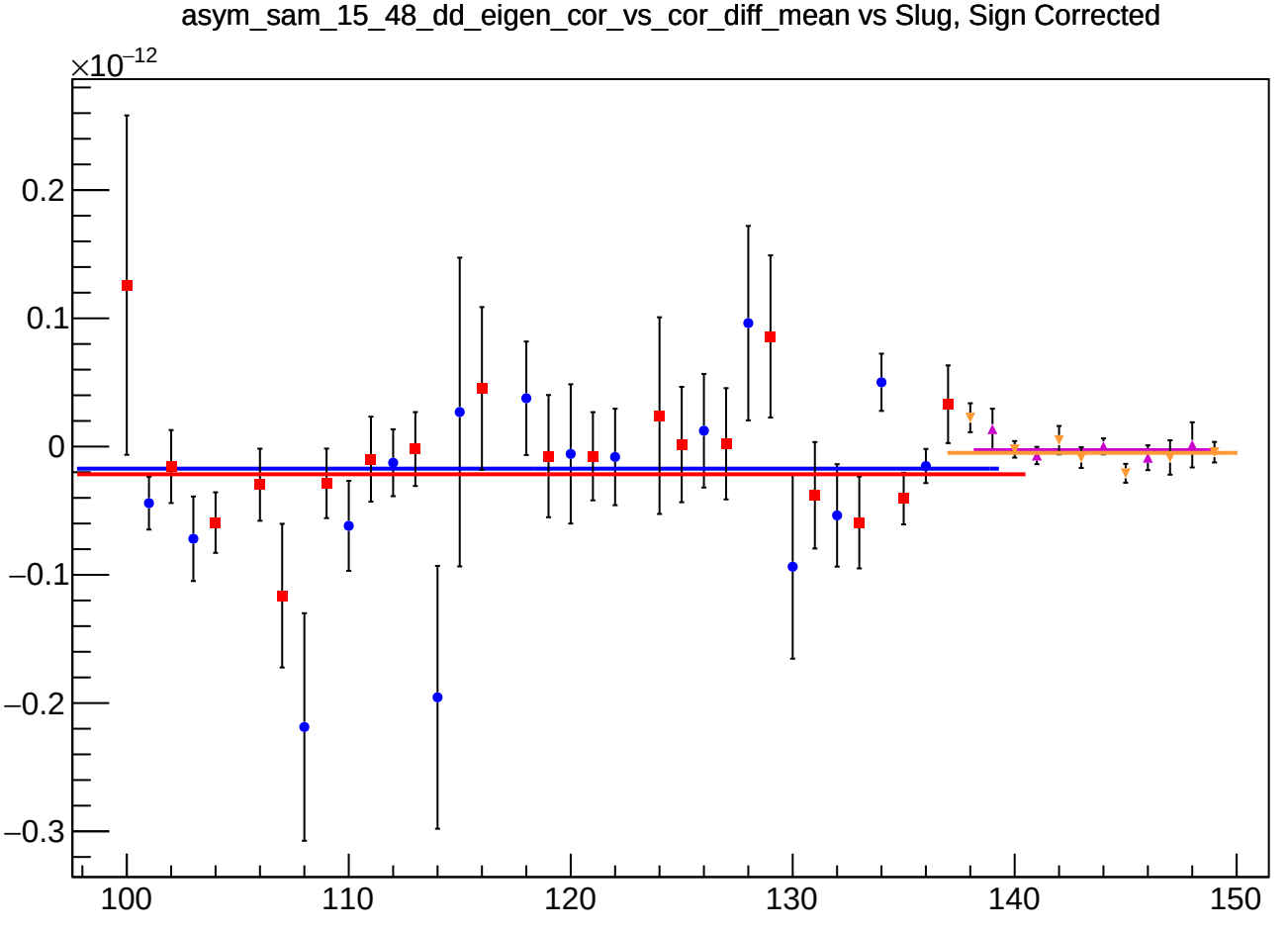
Left: 28.289+/-0.007 χ^2/NDF: 460672.2/11

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.523+/-0.006 χ^2/NDF:1759212.4/20

Out: 25.424+/-0.005 χ^2/NDF:1704611.1/25

All: 24.987+/-0.004 χ^2/NDF: 3477617.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/4

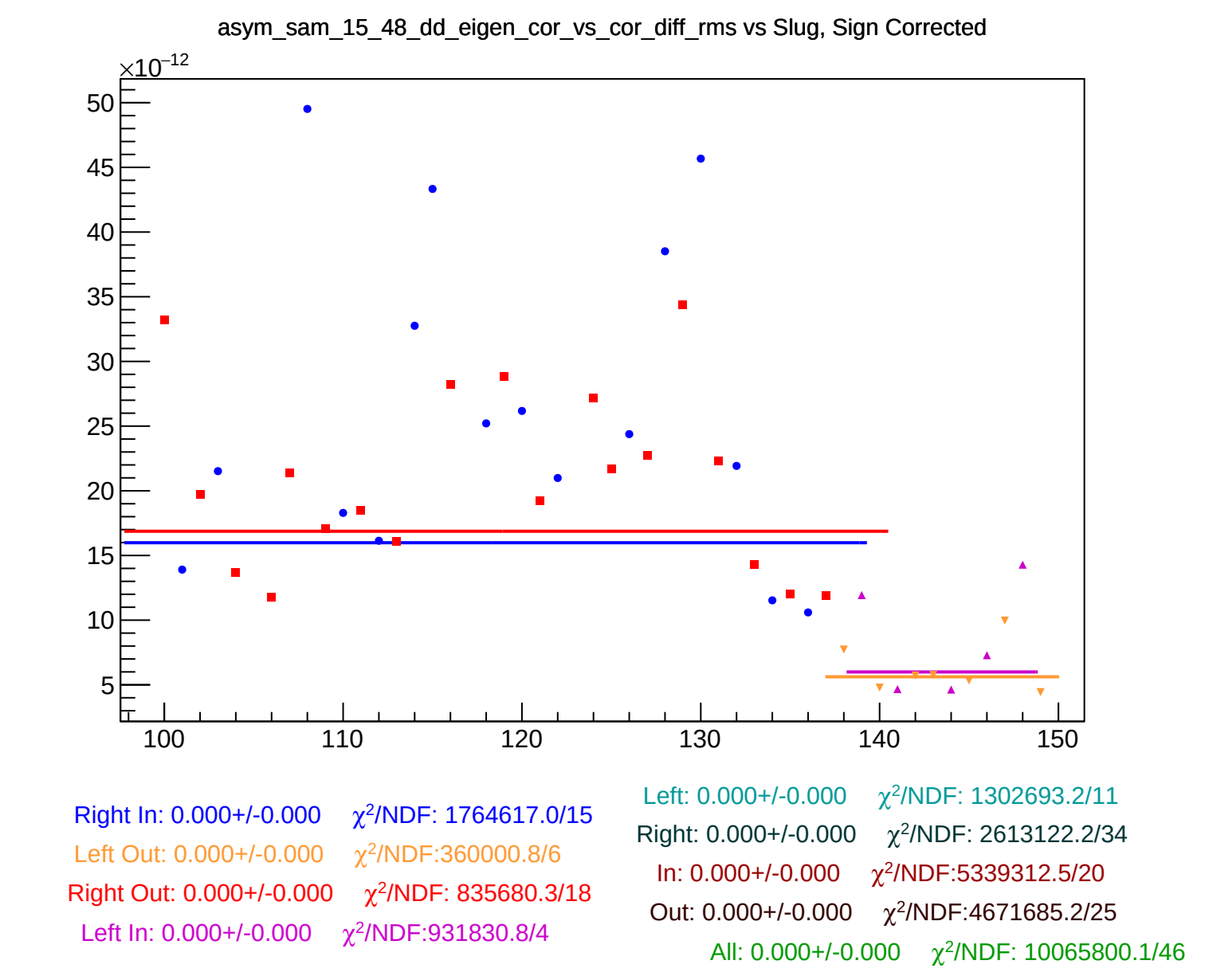
Left: -0.000+/-0.000 χ^2/NDF: 14.1/11

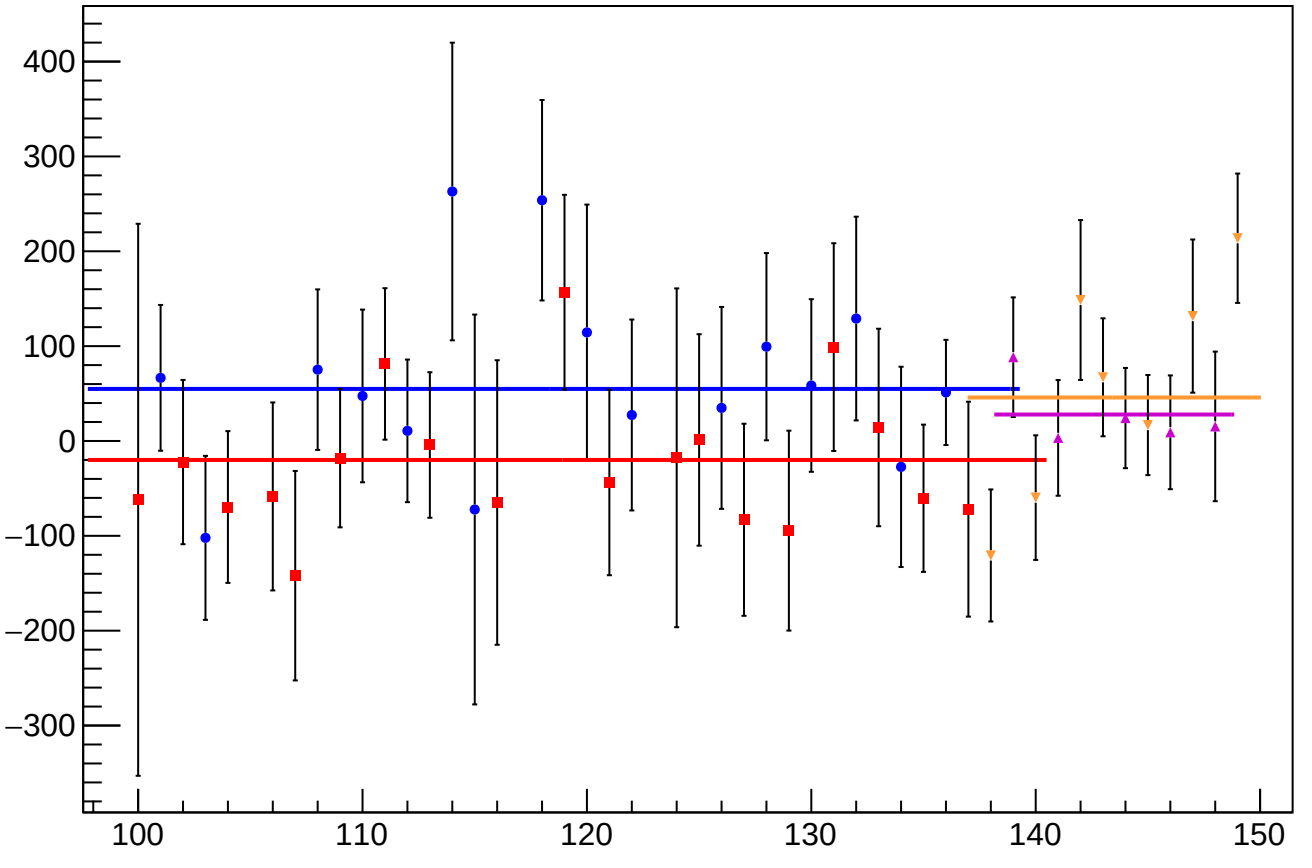
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

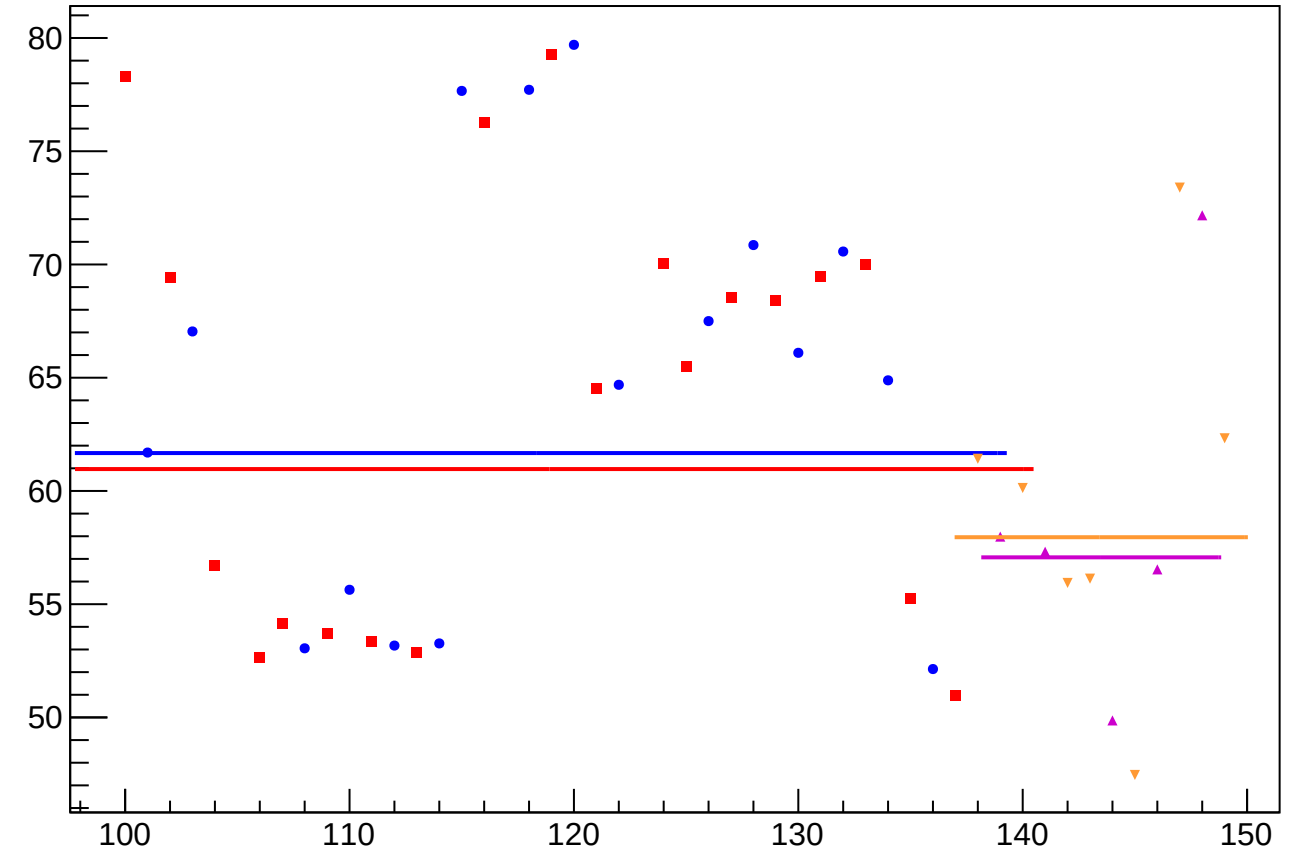
In: -0.000+/-0.000 χ^2/NDF:34.7/20

Out: -0.000+/-0.000 χ^2/NDF:33.7/25

All: -0.000+/-0.000 χ^2/NDF: 68.5/46


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:360000.8/6
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: 1302693.2/11
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:4671685.2/25
All: 0.000+/-0.000 χ²/NDF: 10065800.1/46


reg_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: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: 45.839+/-25.278 χ²/NDF:17.4/6
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 27.903+/-27.554 χ²/NDF:1.2/4
Left: 37.642+/-18.627 χ²/NDF: 18.8/11
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 43.703+/-17.737 χ²/NDF:12.8/20
Out: 9.196+/-16.836 χ²/NDF:30.4/25
All: 25.550+/-12.211 χ²/NDF: 45.2/46



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 57.957+/-0.018 χ^2/NDF:170455.2/6

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.5/4

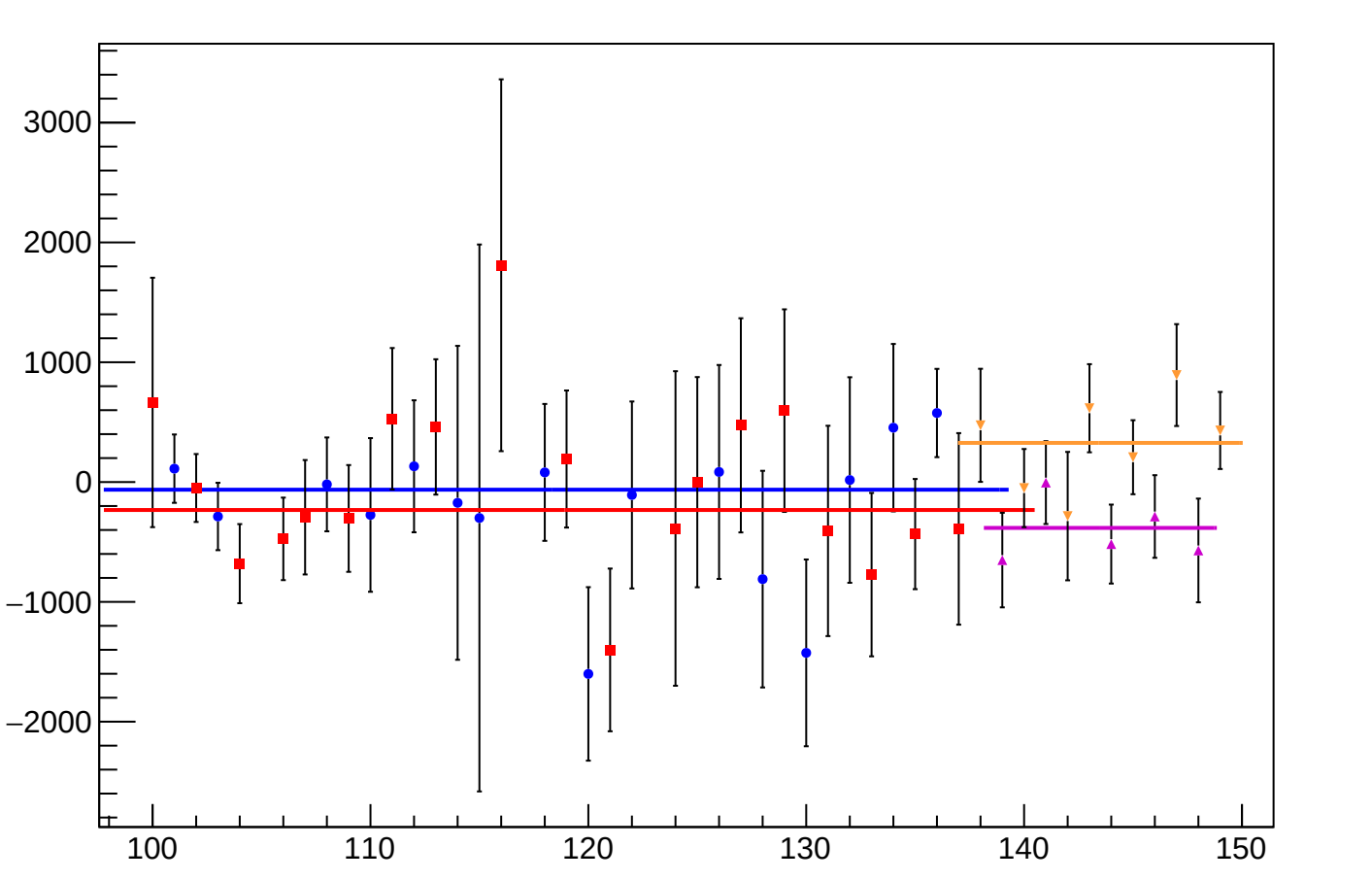
Left: 57.551+/-0.013 χ^2/NDF: 282698.9/11

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

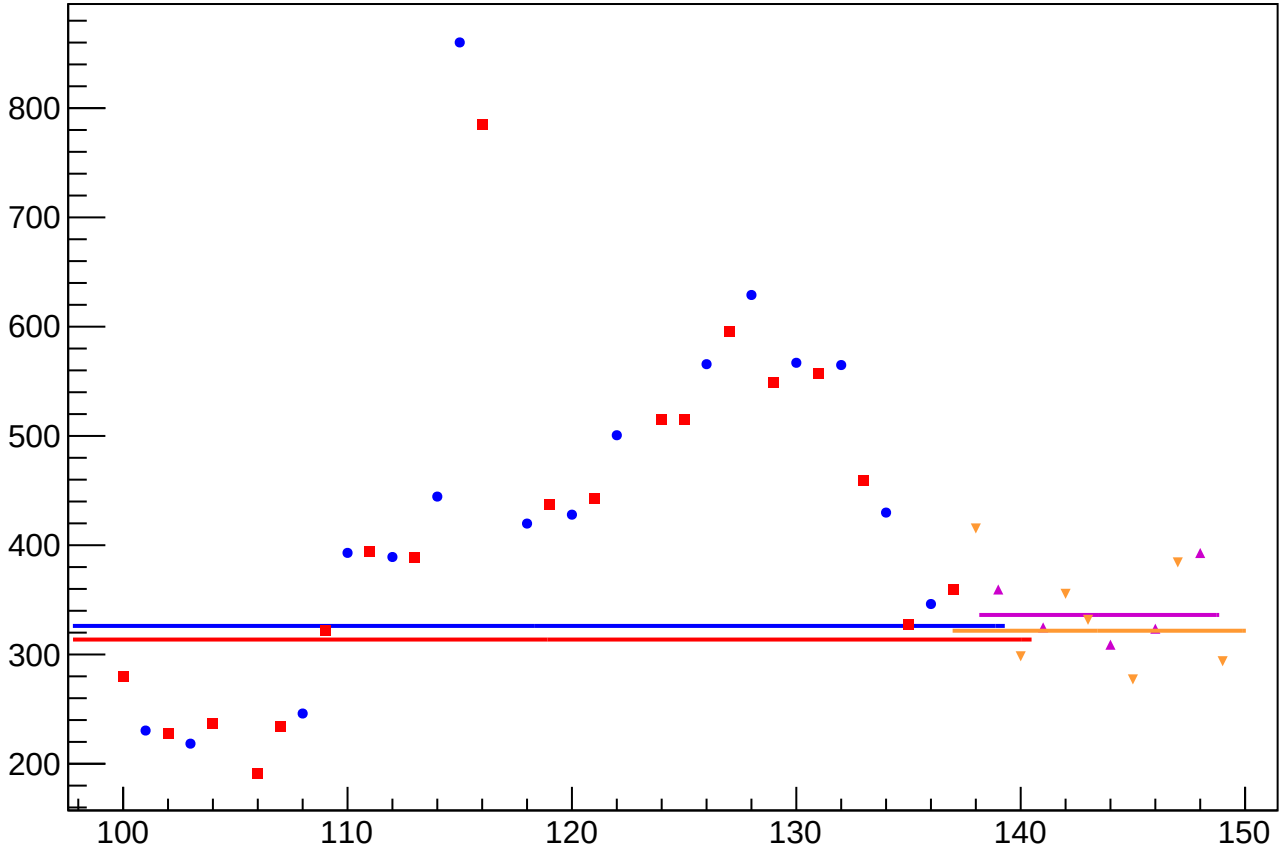
In: 59.765+/-0.013 χ^2/NDF:410929.4/20

Out: 59.632+/-0.012 χ^2/NDF:470410.4/25

All: 59.695+/-0.009 χ^2/NDF: 881399.2/46


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 326.972+/-140.792 χ²/NDF:5.4/6
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -382.726+/-162.777 χ²/NDF:2.1/4
Left: 23.251+/-106.486 χ²/NDF: 18.3/11
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -187.641+/-101.425 χ²/NDF:17.6/20
Out: 8.803+/-92.541 χ²/NDF:28.9/25
All: -80.440+/-68.362 χ²/NDF: 48.6/46

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 321.747+/-0.100 χ^2/NDF:198306.8/6

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 336.191+/-0.115 χ^2/NDF:59747.7/4

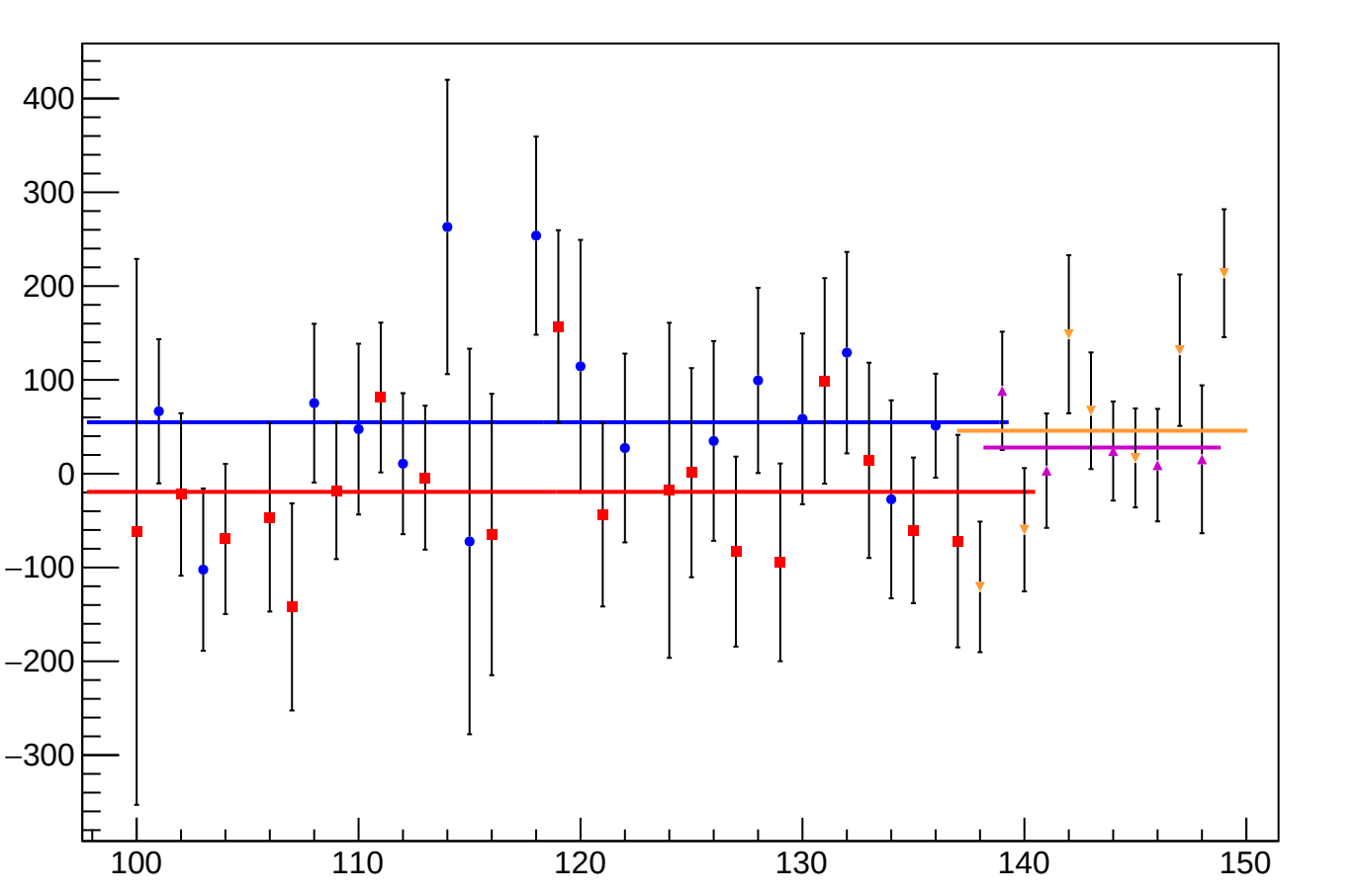
Left: 327.928+/-0.075 χ^2/NDF: 267063.4/11

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 330.047+/-0.072 χ^2/NDF:1798401.4/20

Out: 317.161+/-0.065 χ^2/NDF:1989390.6/25

All: 323.015+/-0.048 χ^2/NDF: 3805410.1/46



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 45.834+/-25.278 χ^2/NDF:17.4/6

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 27.896+/-27.554 χ^2/NDF:1.2/4

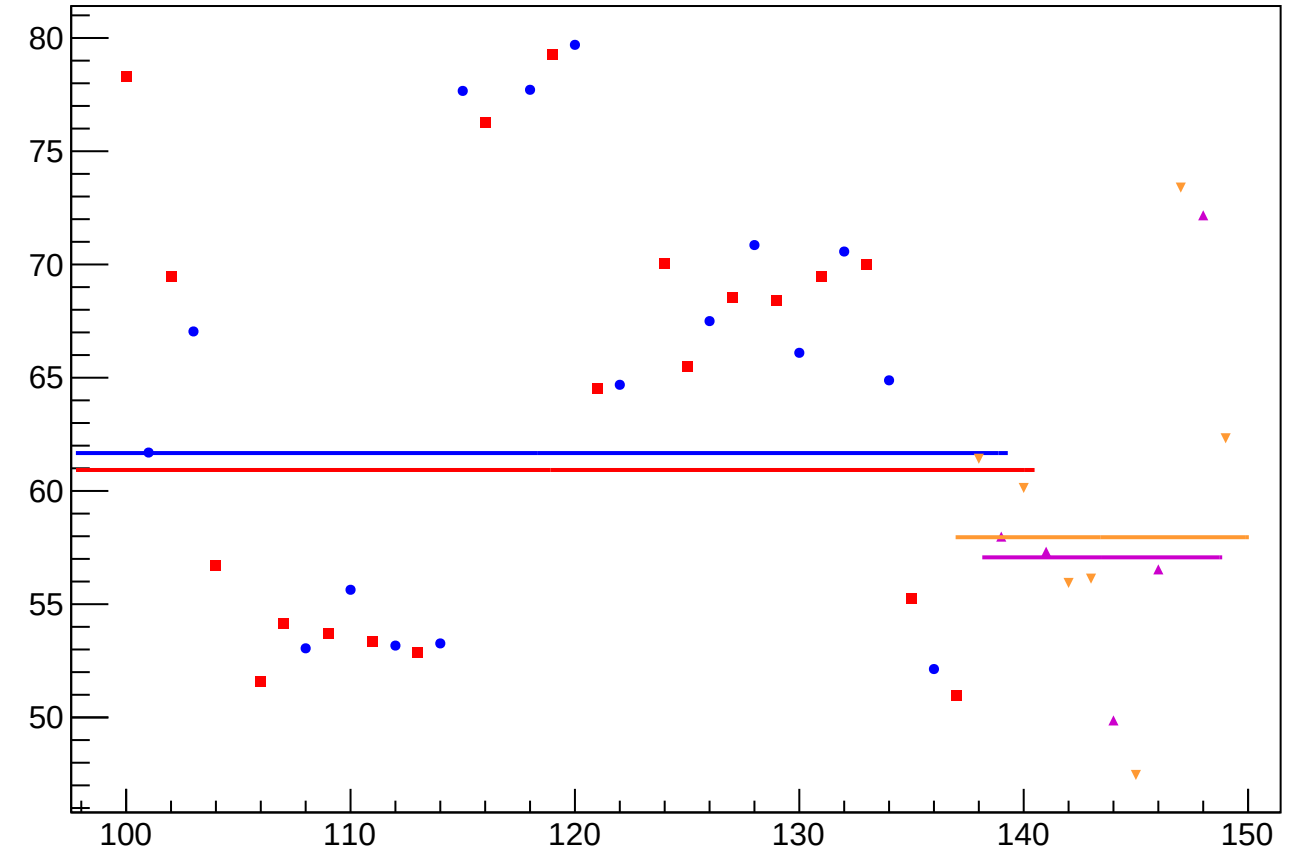
Left: 37.636+/-18.627 χ^2/NDF: 18.8/11

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 43.696+/-17.737 χ^2/NDF:12.8/20

Out: 9.589+/-16.843 χ^2/NDF:30.3/25

All: 25.761+/-12.214 χ^2/NDF: 45.0/46



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.957+/-0.018 χ^2/NDF:170455.2/6

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.068+/-0.019 χ^2/NDF:111113.6/4

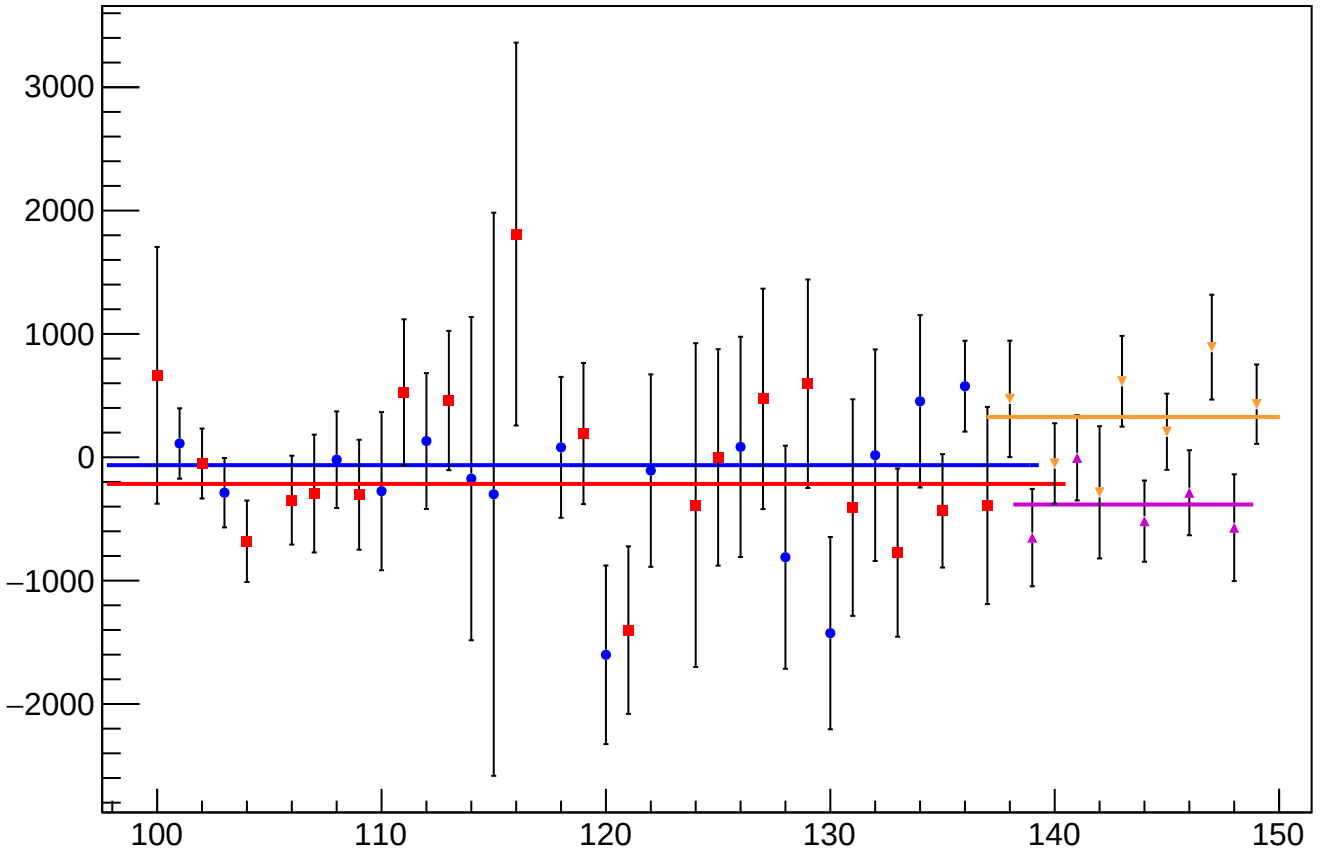
Left: 57.551+/-0.013 χ^2/NDF: 282698.9/11

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.765+/-0.013 χ^2/NDF:410929.6/20

Out: 59.608+/-0.012 χ^2/NDF:473371.9/25

All: 59.682+/-0.009 χ^2/NDF: 884383.9/46



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 326.970+/-140.792 χ^2/NDF:5.4/6

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -382.729+/-162.777 χ^2/NDF:2.1/4

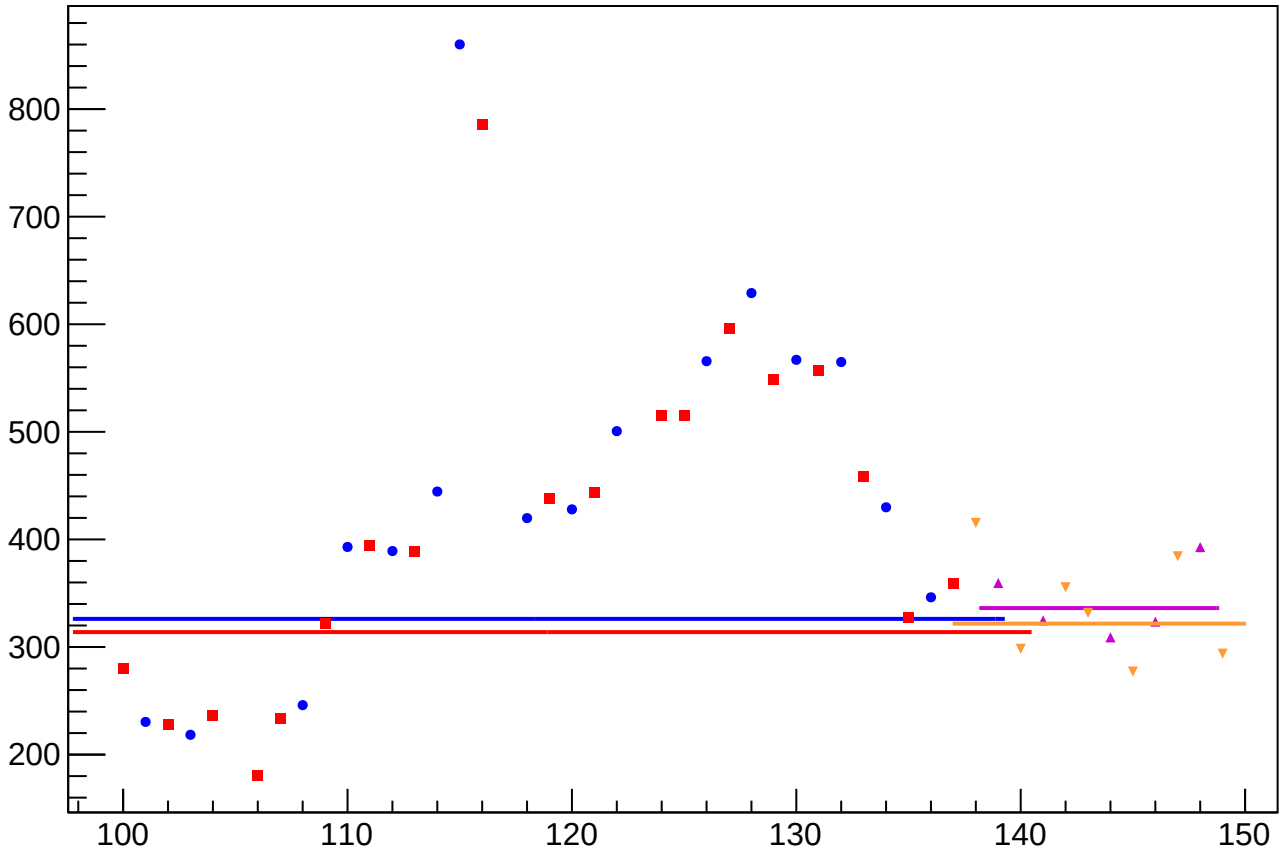
Left: 23.249+/-106.486 χ^2/NDF: 18.3/11

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -187.635+/-101.425 χ^2/NDF:17.6/20

Out: 20.142+/-92.839 χ^2/NDF:27.9/25

All: -74.581+/-68.482 χ^2/NDF: 47.8/46



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 321.747+/-0.100 χ^2/NDF:198307.3/6

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

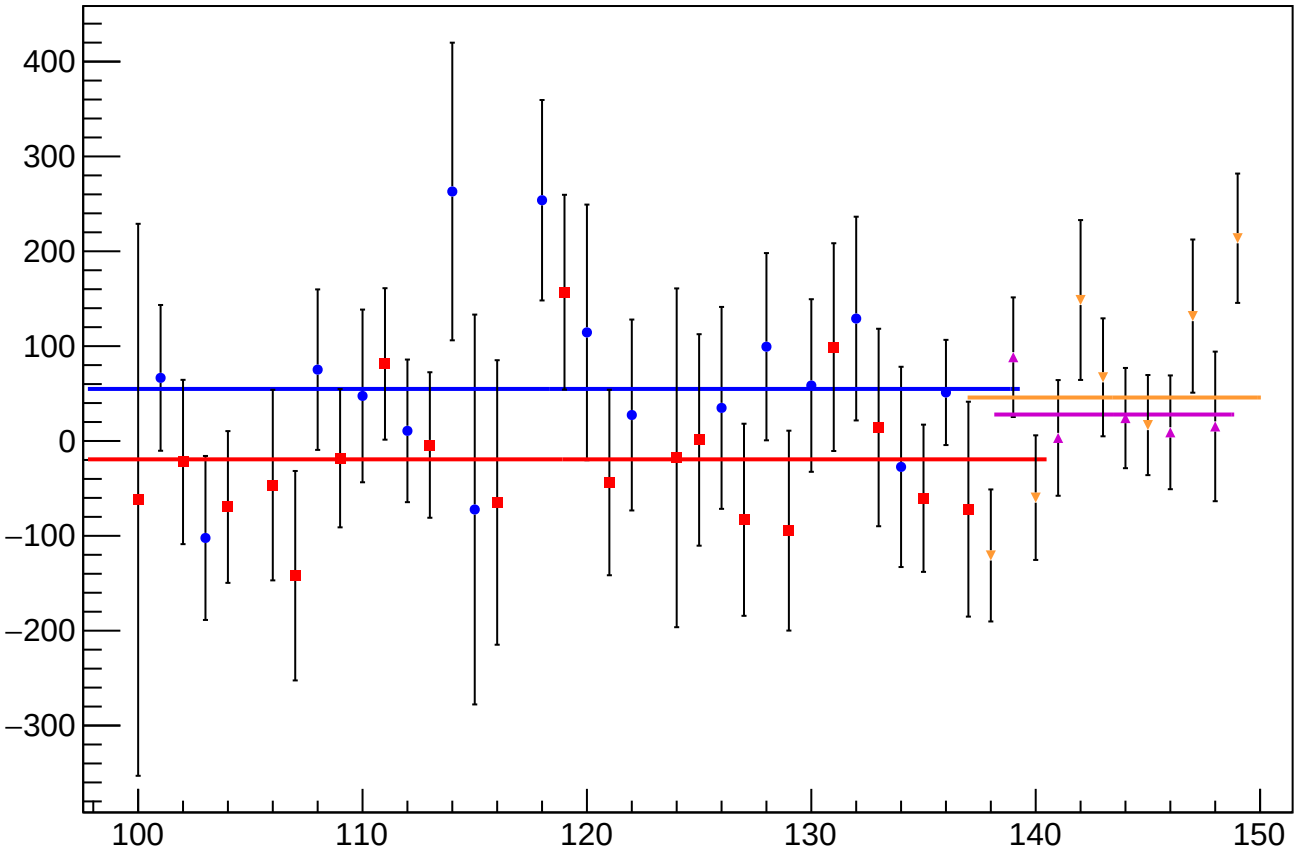
Left: 327.929+/-0.075 χ^2/NDF: 267062.8/11

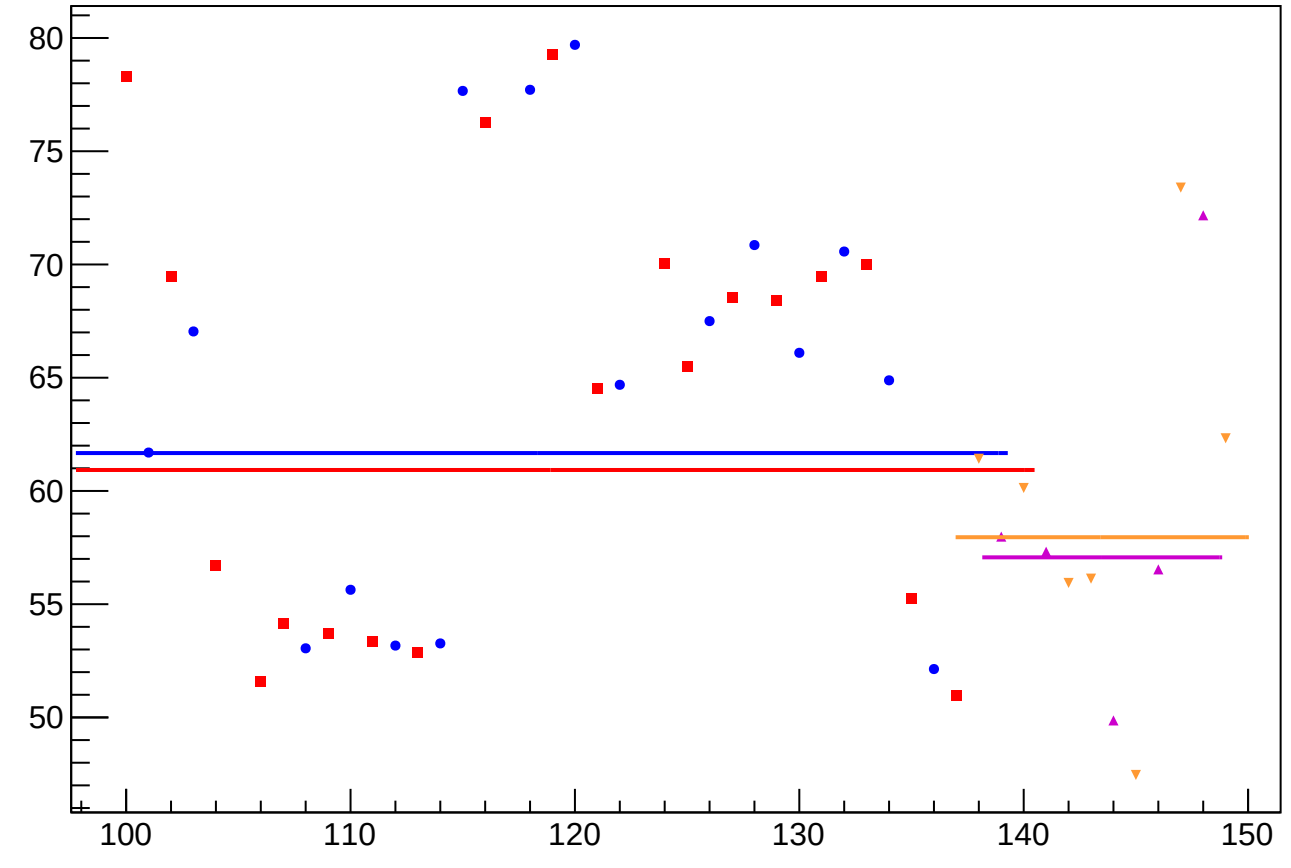
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.049+/-0.072 χ^2/NDF:1798336.8/20

Out: 317.290+/-0.066 χ^2/NDF:2007633.0/25

All: 323.106+/-0.048 χ^2/NDF: 3823190.6/46


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: 45.834+/-25.278 χ²/NDF:17.4/6
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 27.896+/-27.554 χ²/NDF:1.2/4
Left: 37.636+/-18.627 χ²/NDF: 18.8/11
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 43.696+/-17.737 χ²/NDF:12.8/20
Out: 9.589+/-16.843 χ²/NDF:30.3/25
All: 25.761+/-12.214 χ²/NDF: 45.0/46



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.957+/-0.018 χ^2/NDF:170455.2/6

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: 57.551+/-0.013 χ^2/NDF: 282698.9/11

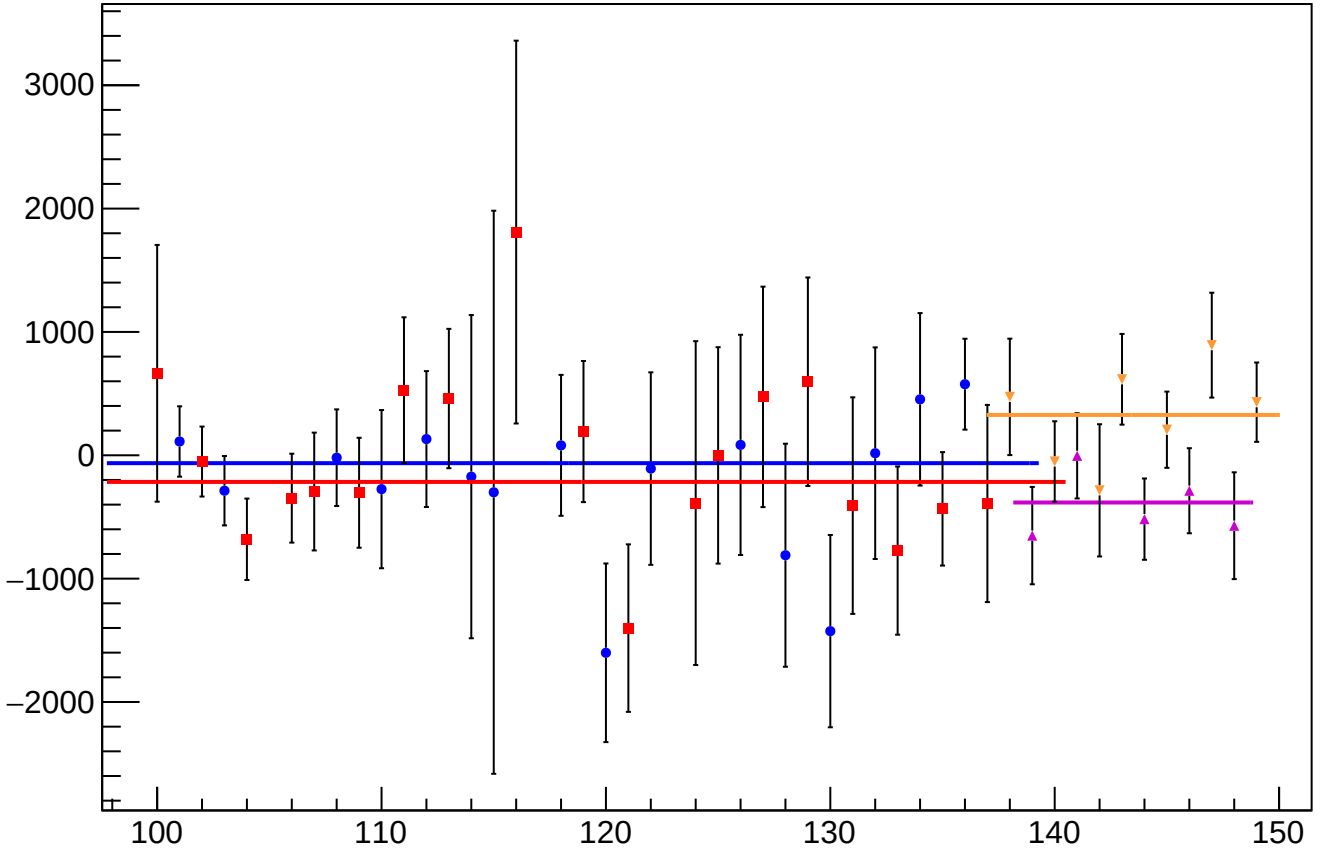
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.765+/-0.013 χ^2/NDF:410929.6/20

Out: 59.608+/-0.012 χ^2/NDF:473371.9/25

All: 59.682+/-0.009 χ^2/NDF: 884383.9/46

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: 326.970+/-140.792 χ^2/NDF:5.4/6

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: 23.249+/-106.486 χ^2/NDF: 18.3/11

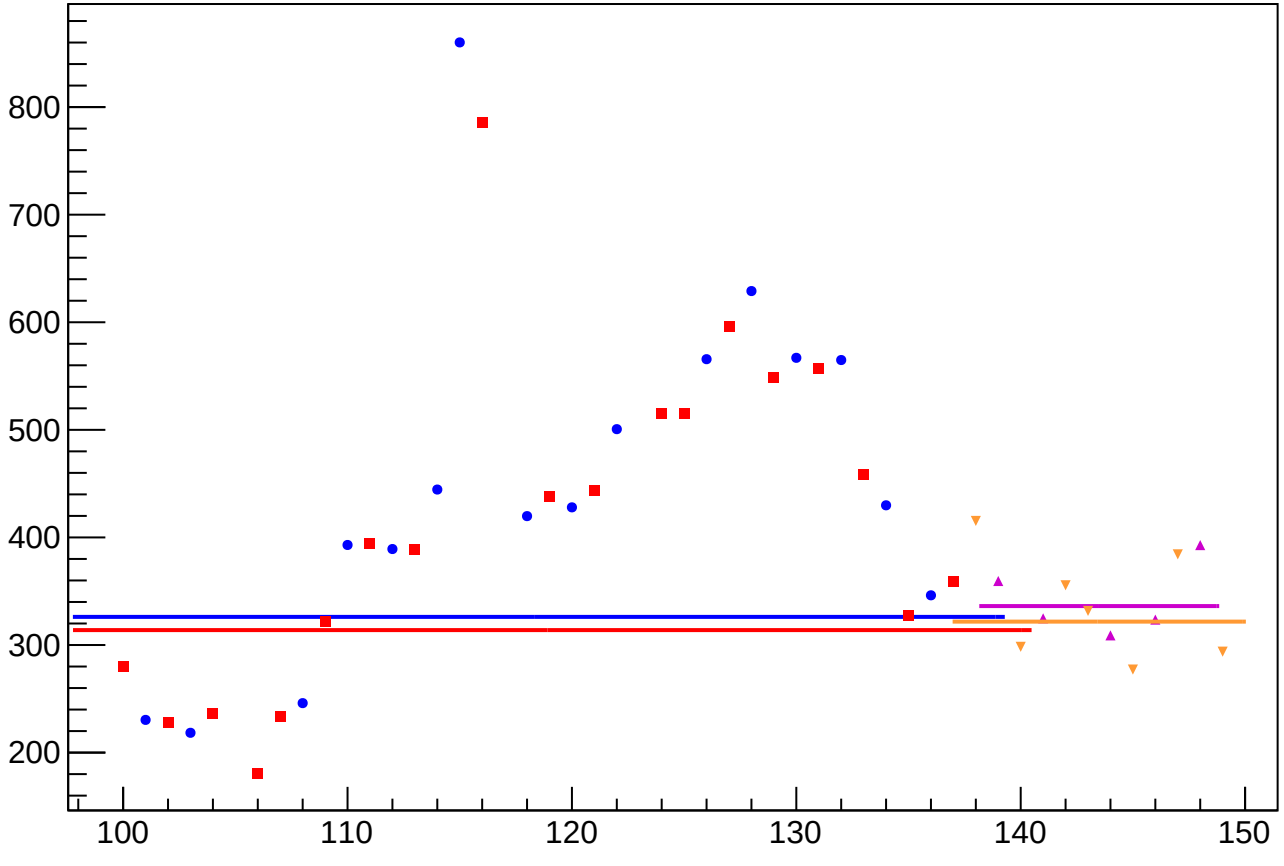
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -187.635+/-101.425 χ^2/NDF:17.6/20

Out: 20.142+/-92.839 χ^2/NDF:27.9/25

All: -74.581+/-68.482 χ^2/NDF: 47.8/46

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: 321.747+/-0.100 χ^2/NDF:198307.3/6

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 336.191+/-0.115 χ^2/NDF:59746.4/4

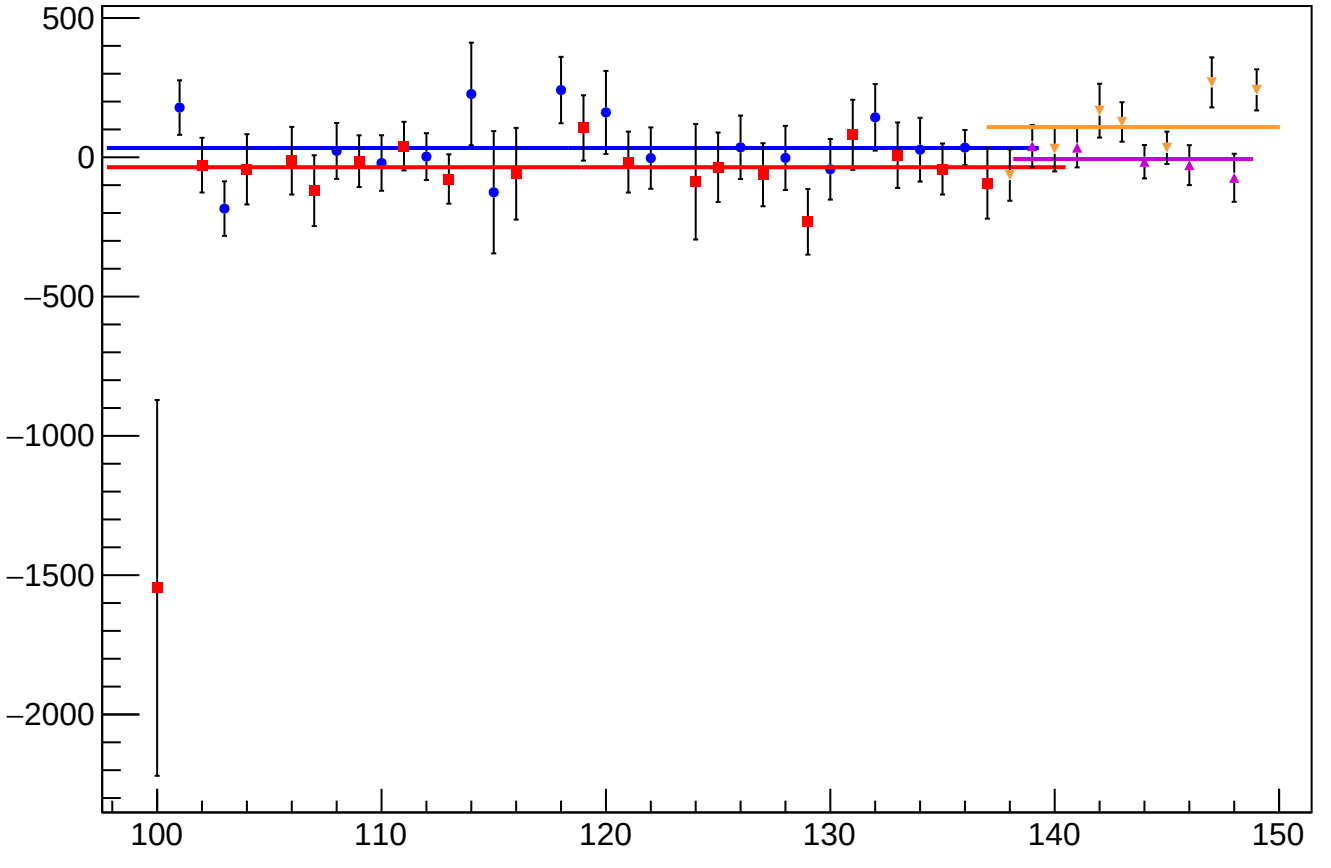
Left: 327.929+/-0.075 χ^2/NDF: 267062.8/11

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.049+/-0.072 χ^2/NDF:1798336.8/20

Out: 317.290+/-0.066 χ^2/NDF:2007633.0/25

All: 323.106+/-0.048 χ^2/NDF: 3823190.6/46



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 108.491+/-29.085 χ^2/NDF:13.0/6

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -6.039+/-31.950 χ^2/NDF:1.4/4

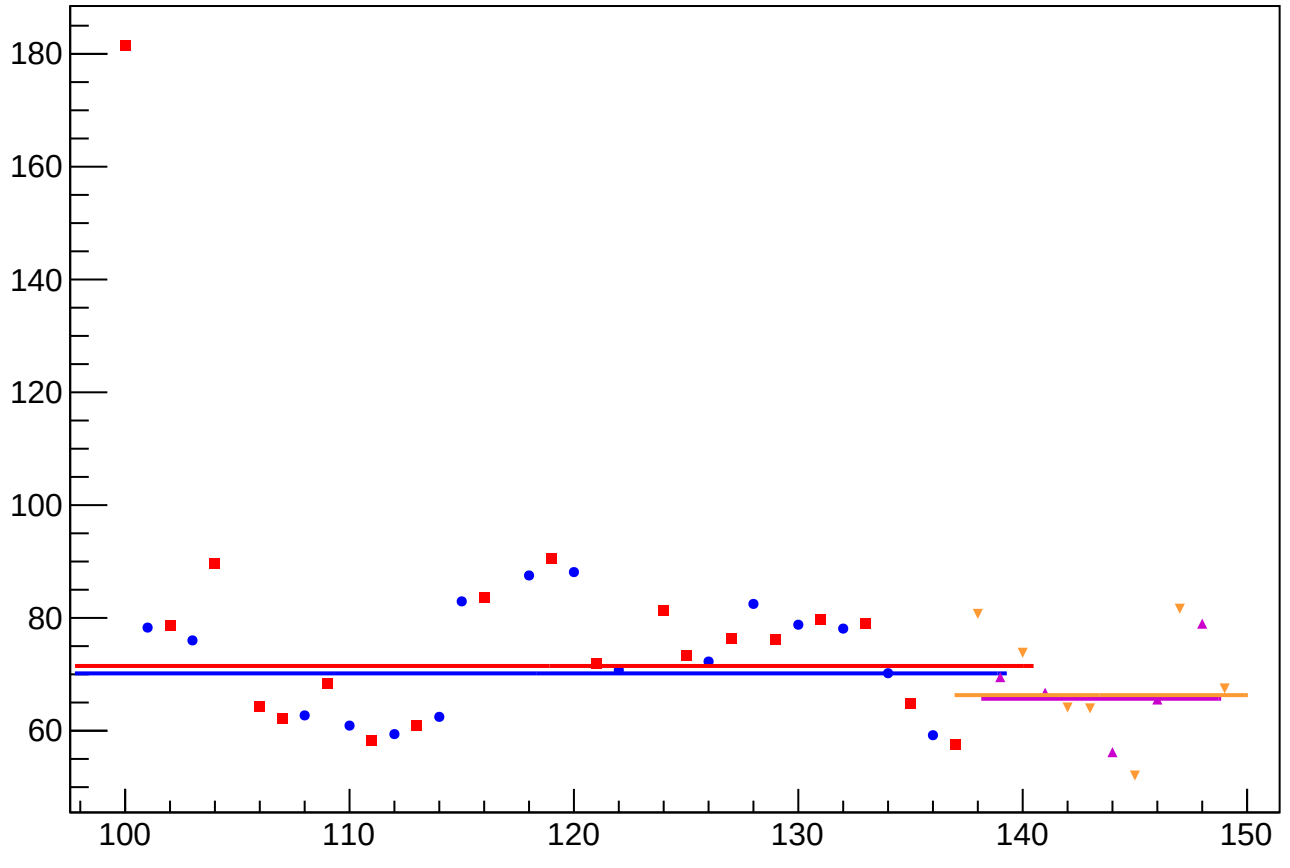
Left: 56.589+/-21.508 χ^2/NDF: 21.4/11

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 17.386+/-20.358 χ^2/NDF:16.9/20

Out: 29.868+/-19.603 χ^2/NDF:38.5/25

All: 23.863+/-14.121 χ^2/NDF: 55.5/46



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 66.313+/-0.021 χ^2/NDF:249277.9/6

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 65.670+/-0.023 χ^2/NDF:103194.4/4

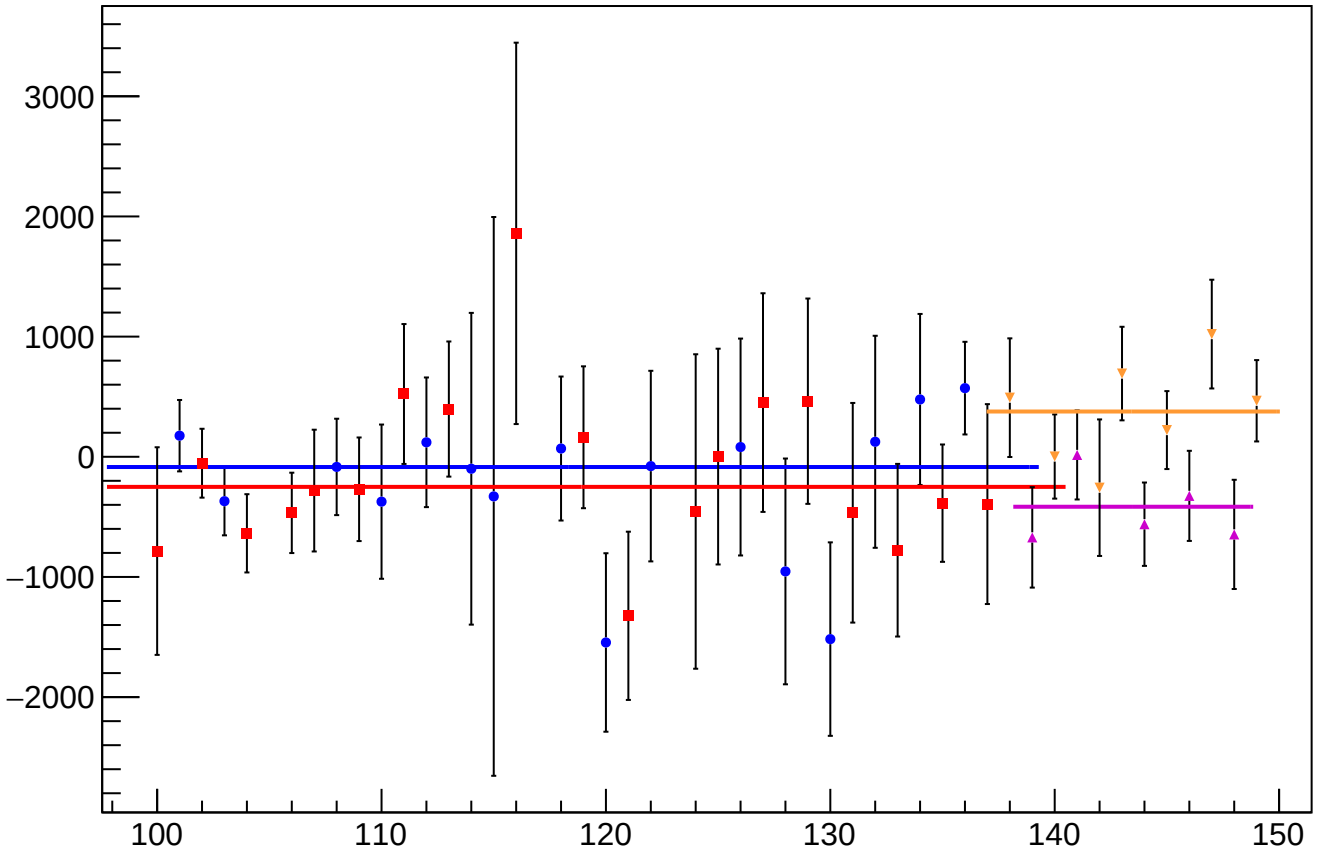
Left: 66.022+/-0.015 χ^2/NDF: 352916.4/11

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.341+/-0.014 χ^2/NDF:395988.1/20

Out: 69.135+/-0.014 χ^2/NDF:609477.1/25

All: 68.753+/-0.010 χ^2/NDF: 1007041.6/46



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 376.753+/-148.968 χ^2/NDF:5.4/6

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: 40.131+/-112.985 χ^2/NDF: 19.7/11

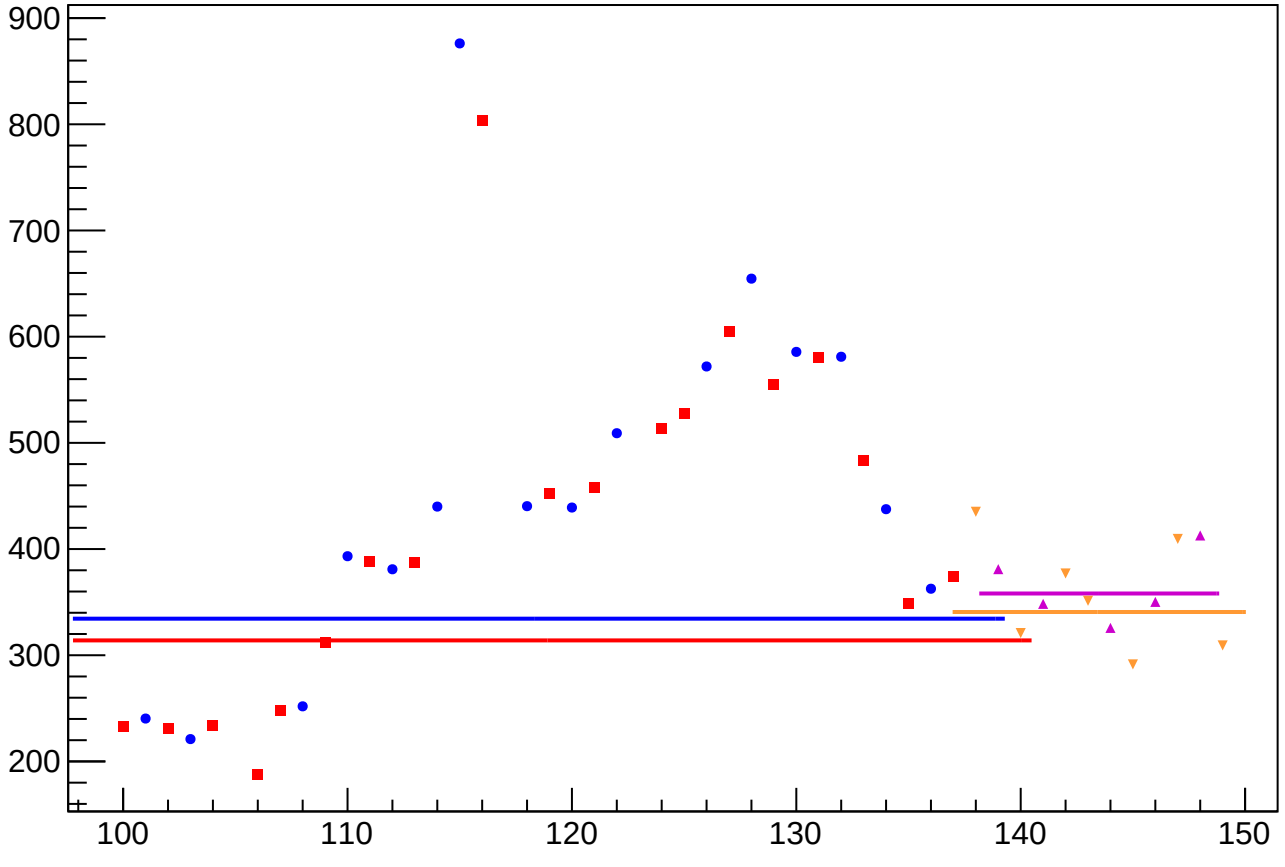
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -207.520+/-105.461 χ^2/NDF:18.2/20

Out: 4.553+/-94.985 χ^2/NDF:28.4/25

All: -90.430+/-70.579 χ^2/NDF: 48.9/46

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 340.724+/-0.105 χ^2/NDF:198986.2/6

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 358.144+/-0.123 χ^2/NDF:54656.2/4

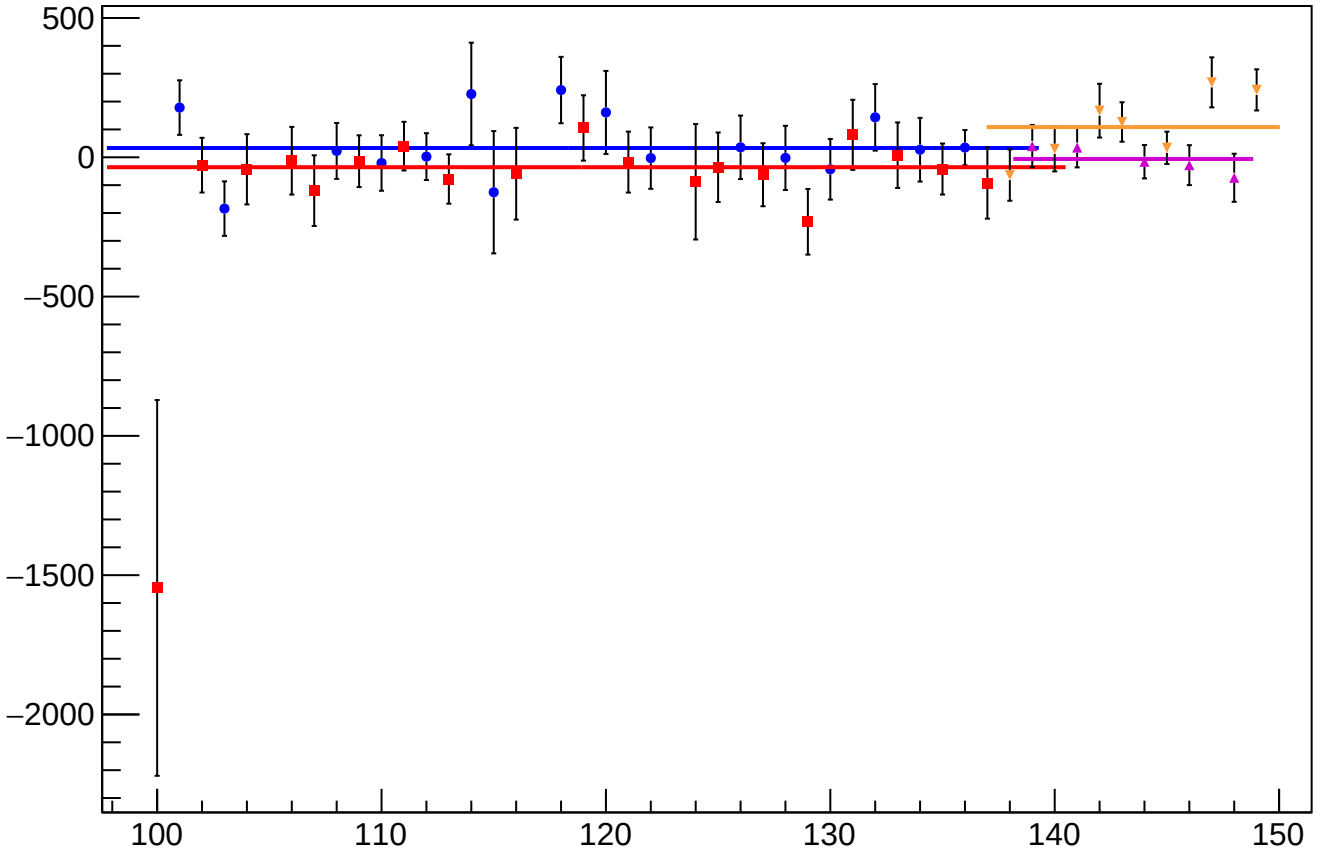
Left: 348.123+/-0.080 χ^2/NDF: 265259.0/11

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 343.206+/-0.075 χ^2/NDF:1808838.0/20

Out: 324.848+/-0.067 χ^2/NDF:2141870.3/25

All: 333.070+/-0.050 χ^2/NDF: 3984171.0/46



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 108.490+/-29.085 χ^2/NDF:13.0/6

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -6.039+/-31.950 χ^2/NDF:1.4/4

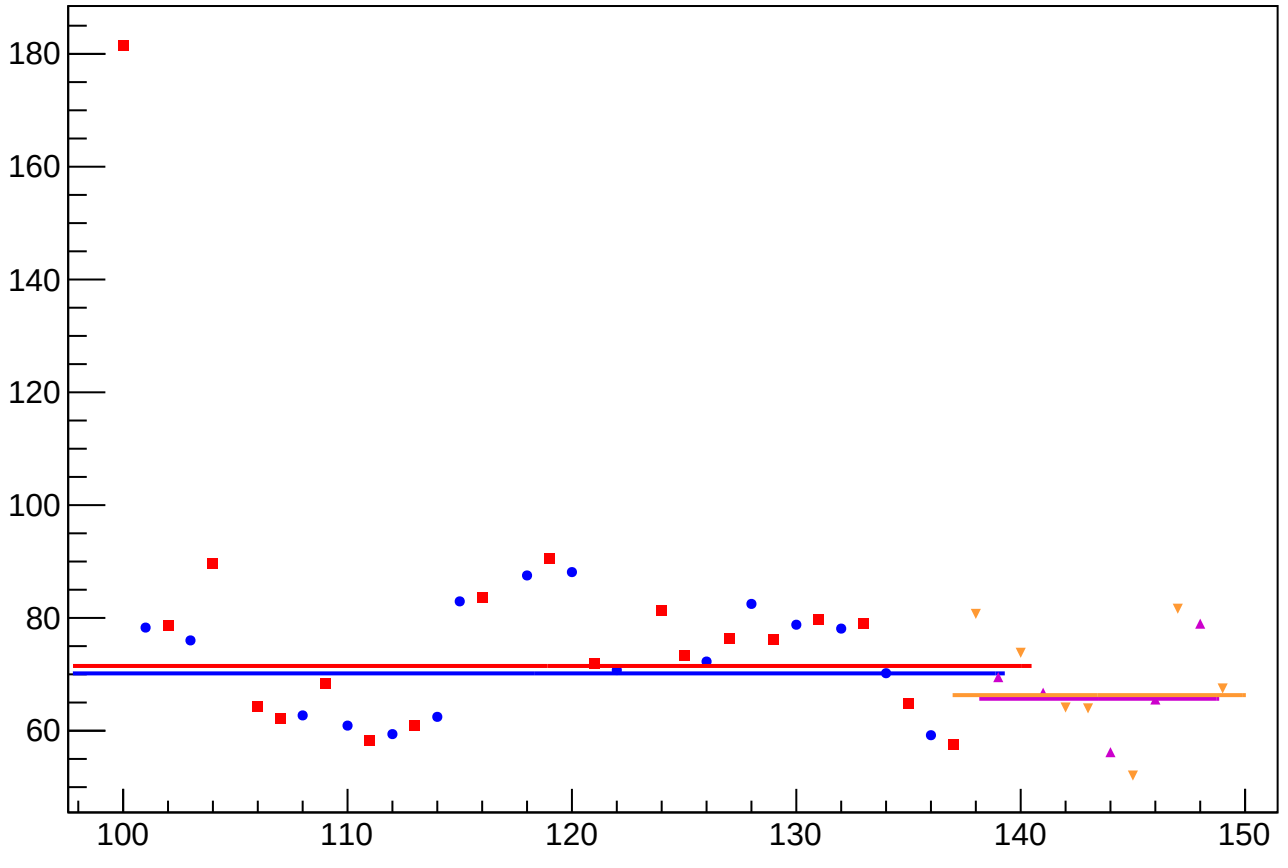
Left: 56.589+/-21.508 χ^2/NDF: 21.4/11

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 17.386+/-20.358 χ^2/NDF:16.9/20

Out: 29.868+/-19.603 χ^2/NDF:38.5/25

All: 23.863+/-14.121 χ^2/NDF: 55.5/46



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 66.313+/-0.021 χ^2/NDF:249281.4/6

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 65.669+/-0.023 χ^2/NDF:103194.5/4

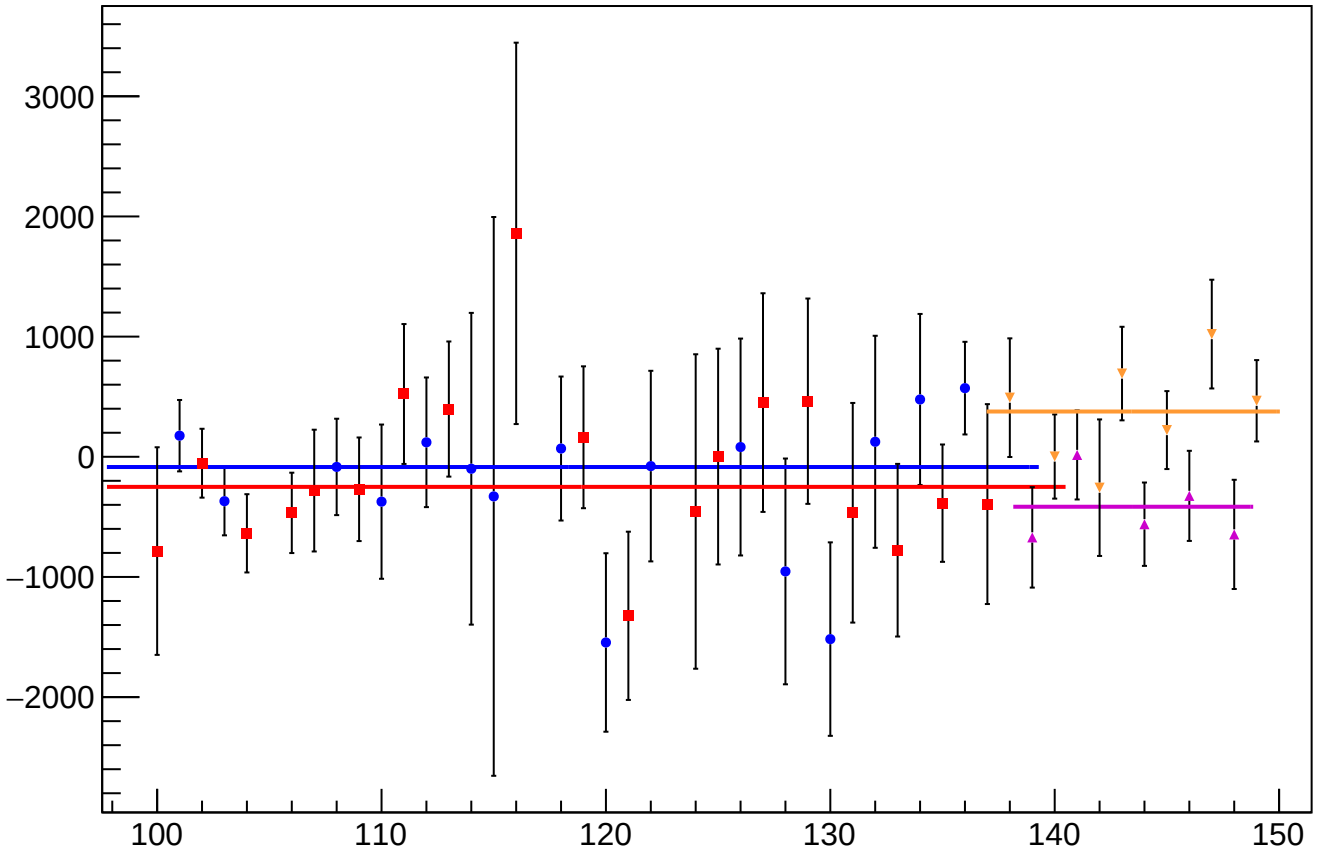
Left: 66.021+/-0.015 χ^2/NDF: 352919.9/11

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.341+/-0.014 χ^2/NDF:395992.9/20

Out: 69.135+/-0.014 χ^2/NDF:609489.4/25

All: 68.753+/-0.010 χ^2/NDF: 1007058.6/46



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 376.753+/-148.968 χ^2/NDF:5.4/6

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: 40.131+/-112.984 χ^2/NDF: 19.7/11

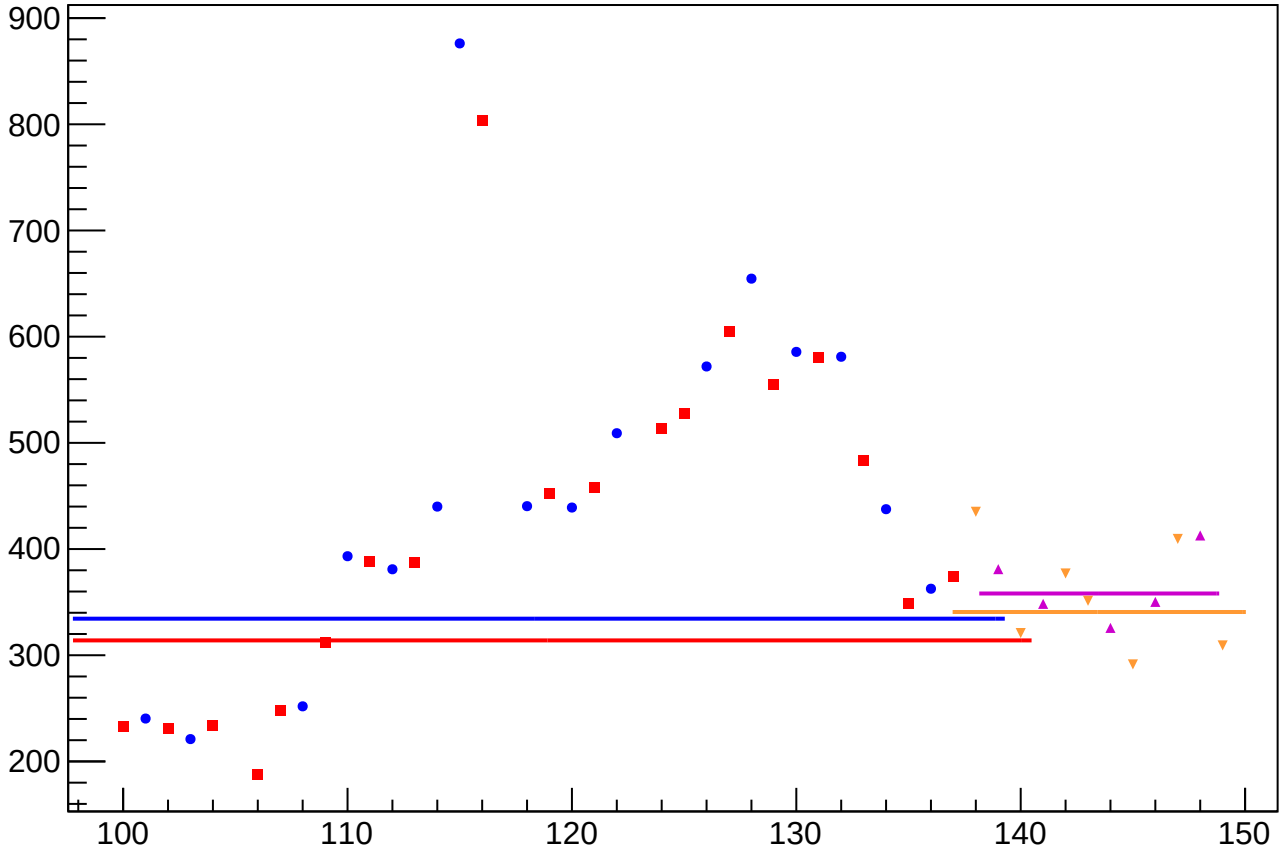
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -207.520+/-105.461 χ^2/NDF:18.2/20

Out: 4.553+/-94.985 χ^2/NDF:28.4/25

All: -90.430+/-70.579 χ^2/NDF: 48.9/46

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: 340.723+/-0.105 χ^2/NDF:198987.6/6

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 358.144+/-0.123 χ^2/NDF:54656.6/4

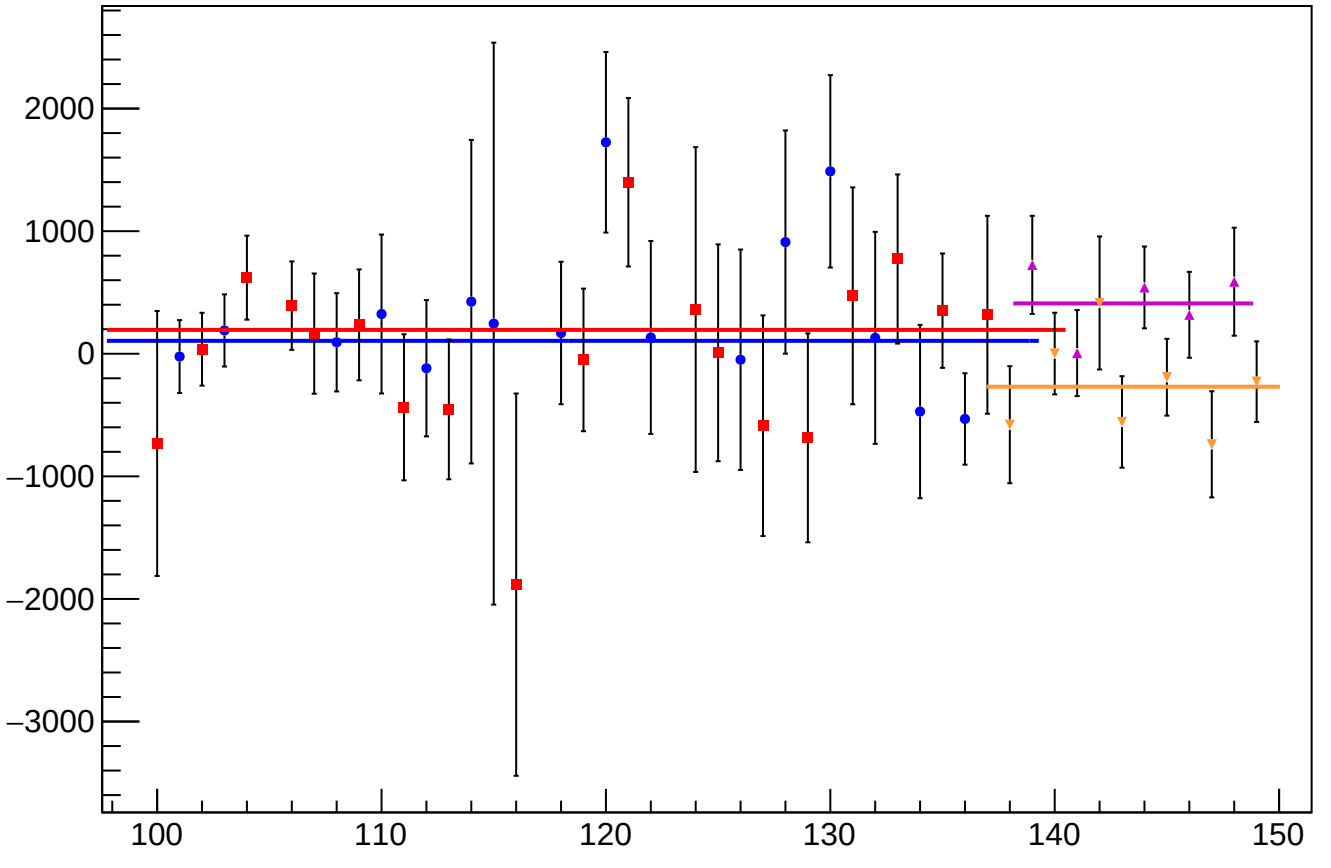
Left: 348.123+/-0.080 χ^2/NDF: 265261.1/11

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 343.206+/-0.075 χ^2/NDF:1808836.9/20

Out: 324.848+/-0.067 χ^2/NDF:2141869.4/25

All: 333.070+/-0.050 χ^2/NDF: 3984169.8/46



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -268.849+/-143.206 χ^2/NDF:4.5/6

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: 22.653+/-108.212 χ^2/NDF: 16.5/11

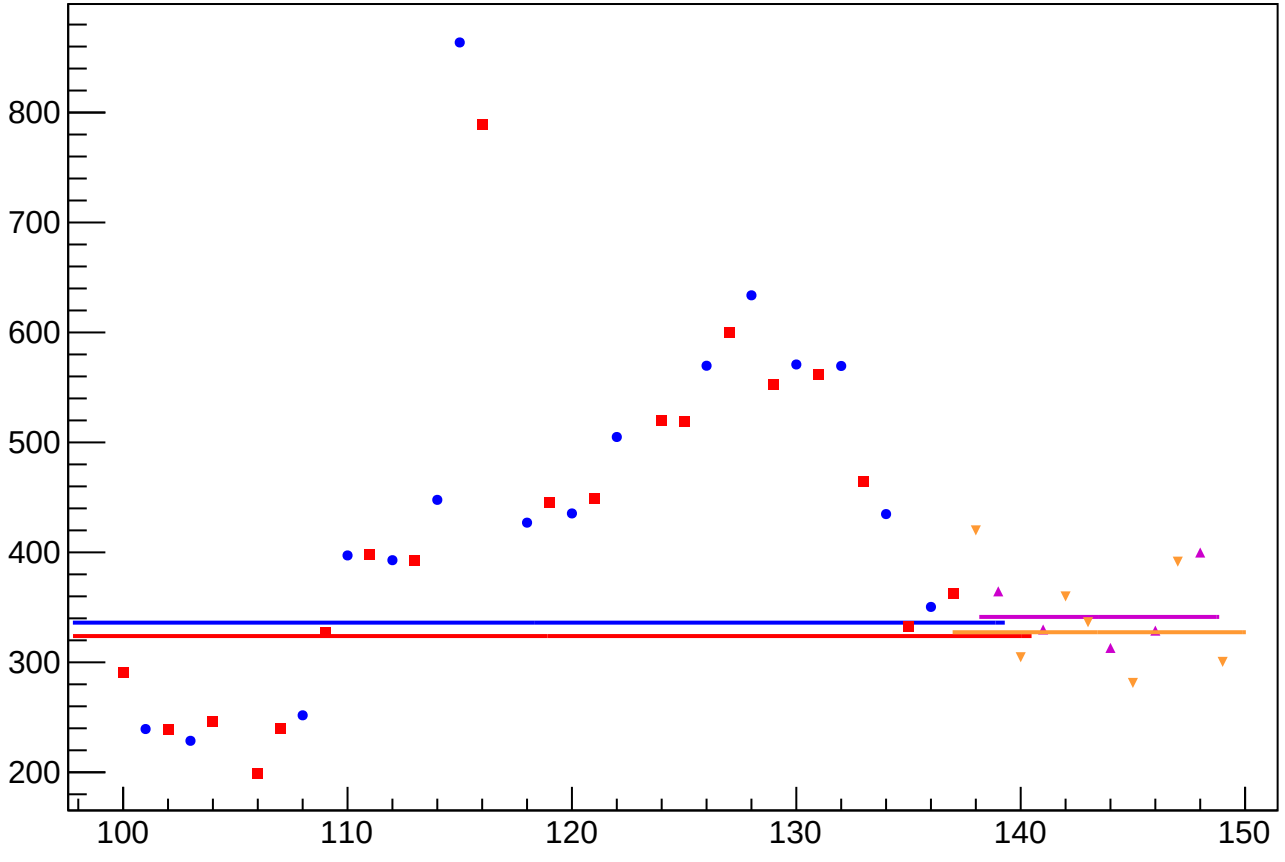
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 225.470+/-103.623 χ^2/NDF:17.4/20

Out: -7.920+/-94.681 χ^2/NDF:23.6/25

All: 98.272+/-69.897 χ^2/NDF: 43.7/46

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 327.378+/-0.101 χ^2/NDF:193723.0/6

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 341.301+/-0.117 χ^2/NDF:61021.5/4

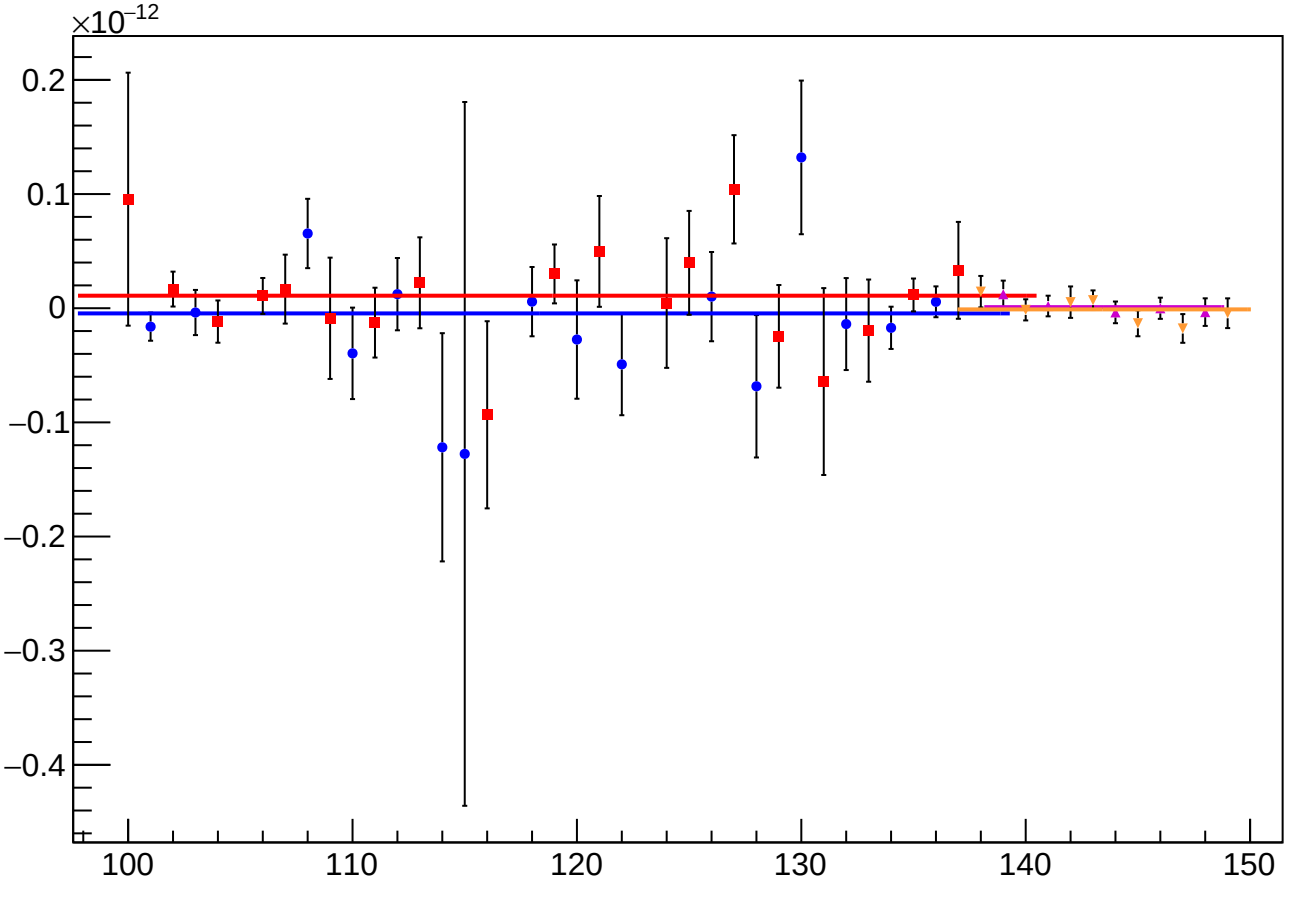
Left: 333.351+/-0.077 χ^2/NDF: 262855.3/11

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 338.141+/-0.073 χ^2/NDF:1681224.8/20

Out: 325.412+/-0.067 χ^2/NDF:1859813.4/25

All: 331.204+/-0.049 χ^2/NDF: 3557486.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/4

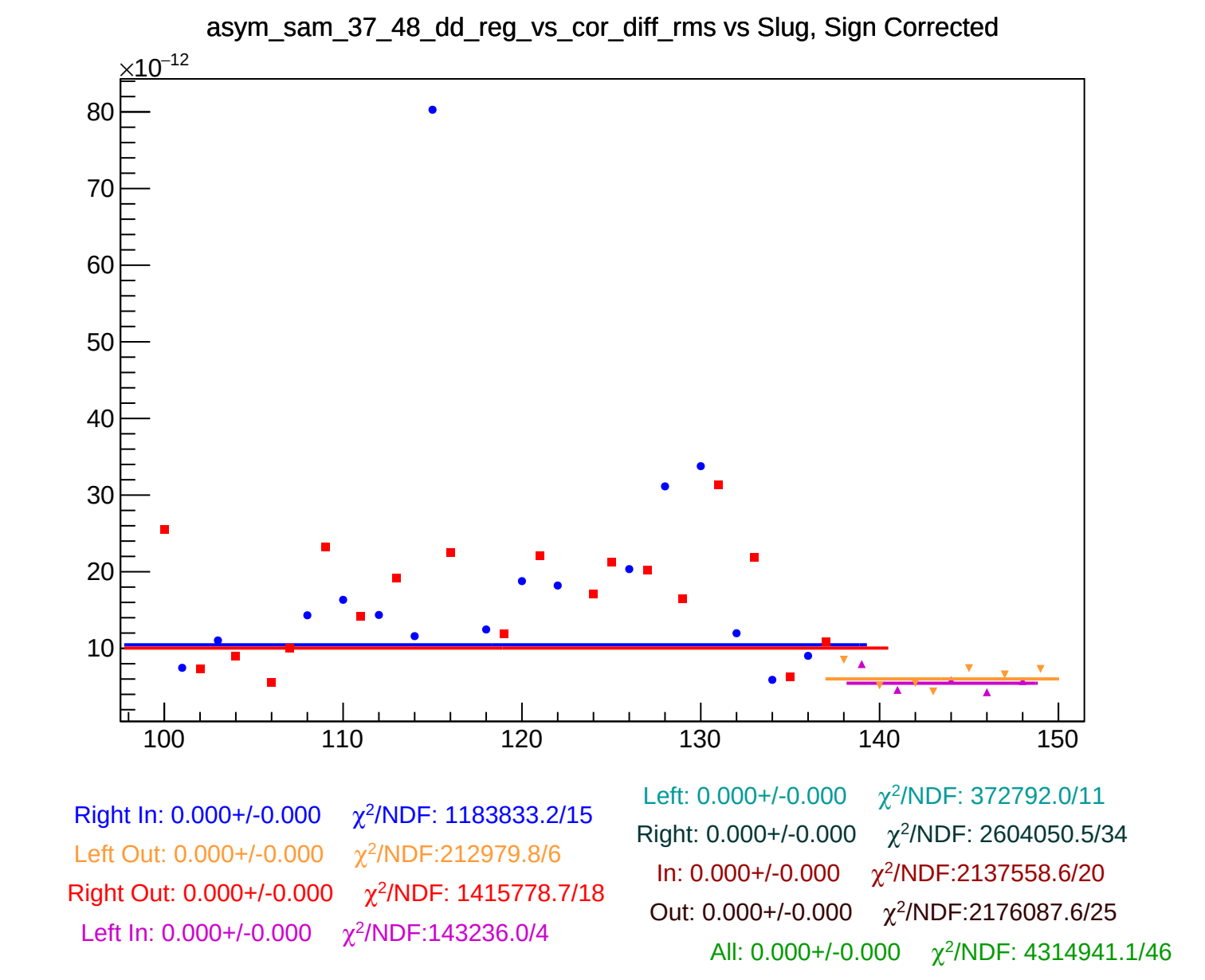
Left: -0.000+/-0.000 χ^2/NDF: 6.7/11

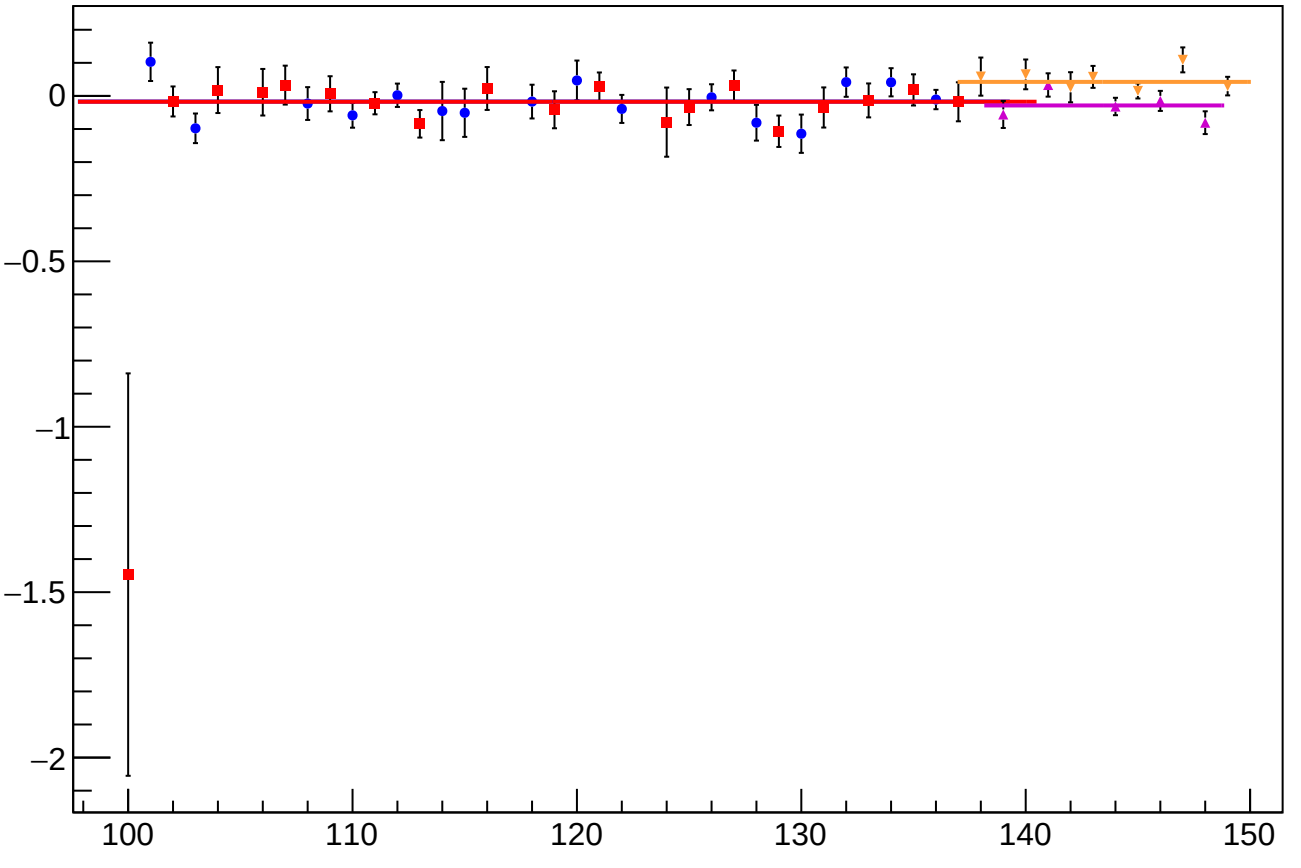
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.3/20

Out: 0.000+/-0.000 χ^2/NDF:20.1/25

All: 0.000+/-0.000 χ^2/NDF: 38.9/46


asym_sam_37_48_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: 1183833.2/15
Left Out: 0.000+/-0.000 χ²/NDF:212979.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1415778.7/18
Left In: 0.000+/-0.000 χ²/NDF:143236.0/4
Left: 0.000+/-0.000 χ²/NDF: 372792.0/11
Right: 0.000+/-0.000 χ²/NDF: 2604050.5/34
In: 0.000+/-0.000 χ²/NDF:2137558.6/20
Out: 0.000+/-0.000 χ²/NDF:2176087.6/25
All: 0.000+/-0.000 χ²/NDF: 4314941.1/46



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.042+/-0.013 χ^2/NDF:5.4/6

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: 0.011+/-0.010 χ^2/NDF: 25.0/11

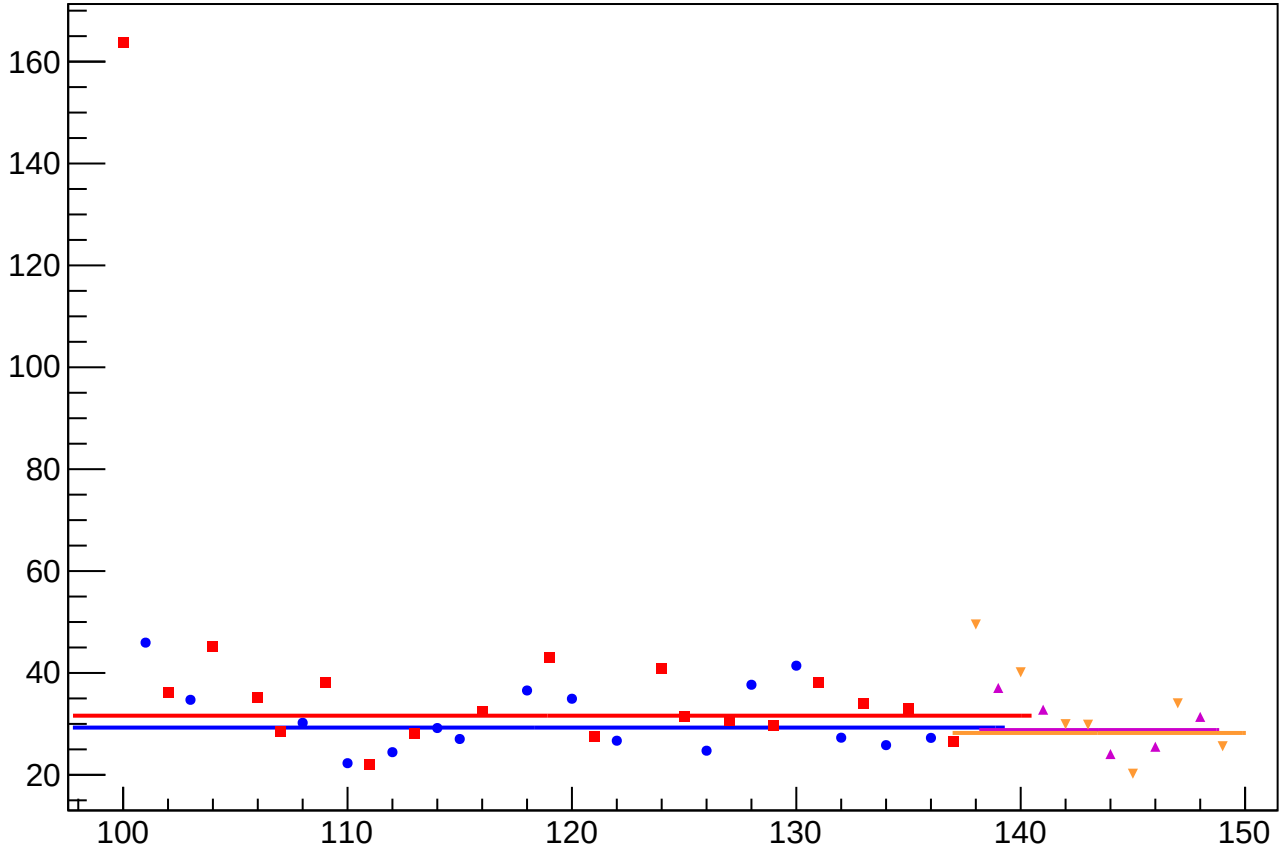
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.011+/-0.009 χ^2/NDF:33.8/25

All: -0.005+/-0.006 χ^2/NDF: 65.7/46

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.224+/-0.009 χ^2/NDF:731557.5/6

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

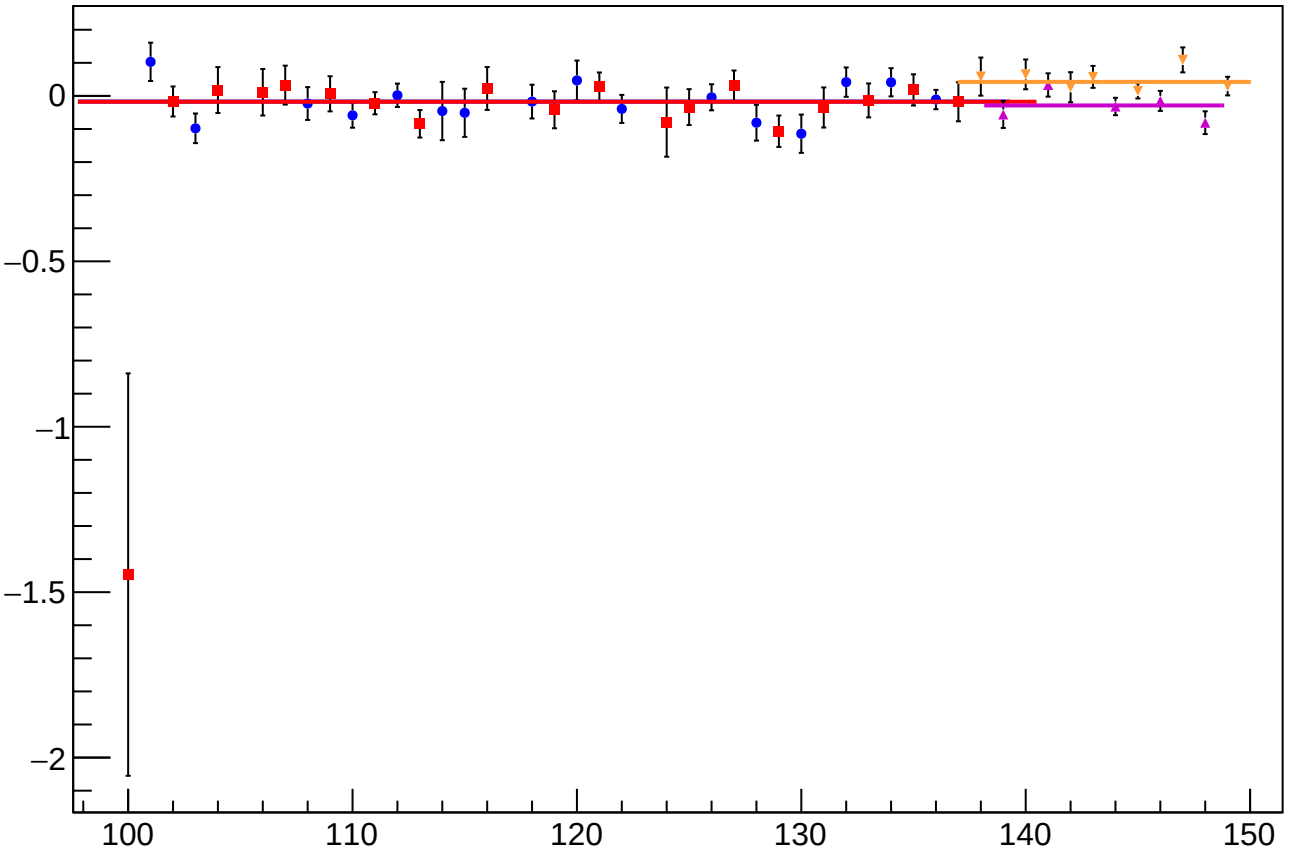
Left: 28.473+/-0.007 χ^2/NDF: 939485.7/11

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.093+/-0.006 χ^2/NDF:768272.1/20

Out: 30.017+/-0.006 χ^2/NDF:1377652.8/25

All: 29.561+/-0.004 χ^2/NDF: 2156804.2/46



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.042+/-0.013 χ^2/NDF:5.4/6

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: 0.011+/-0.010 χ^2/NDF: 25.0/11

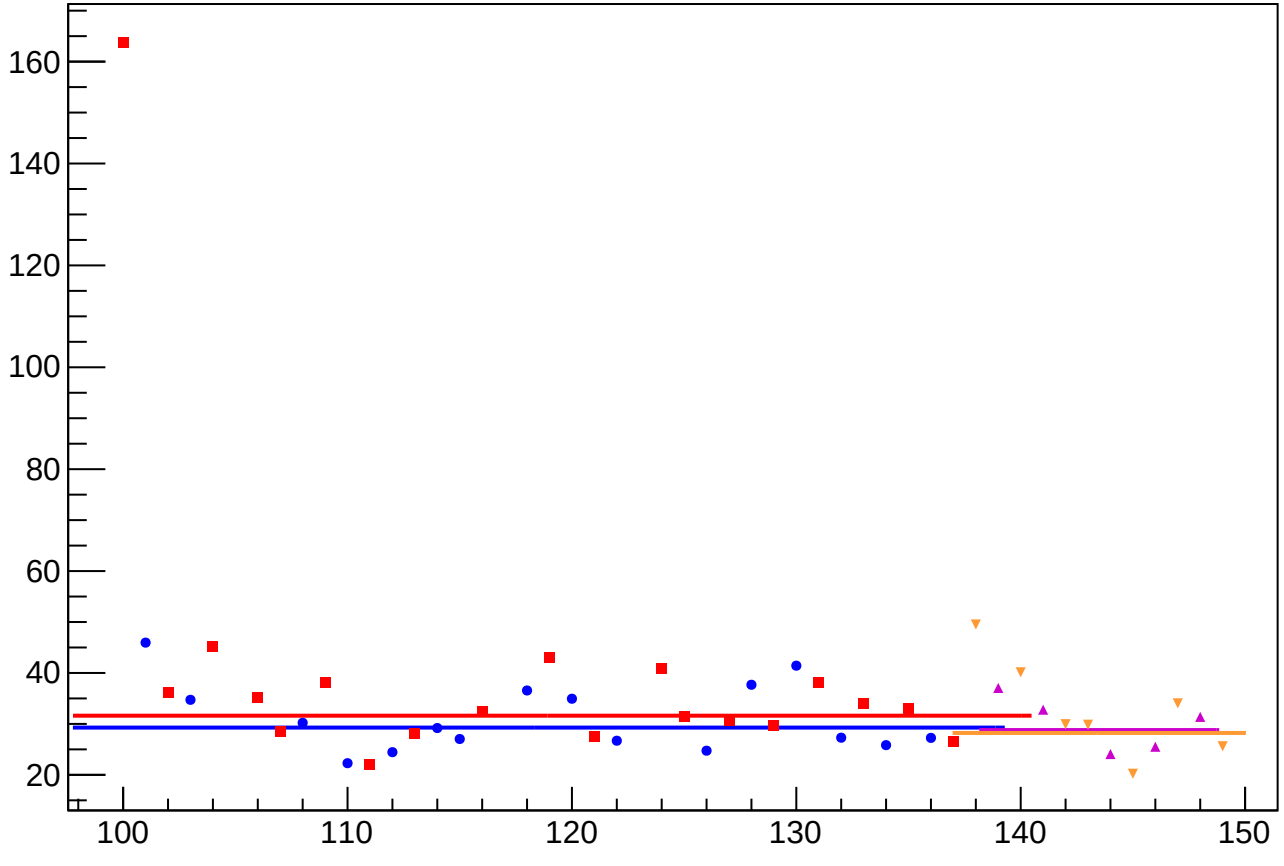
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.011+/-0.009 χ^2/NDF:33.8/25

All: -0.005+/-0.006 χ^2/NDF: 65.7/46

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: 28.224+/-0.009 χ^2/NDF:731557.5/6

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.791+/-0.010 χ^2/NDF:206209.0/4

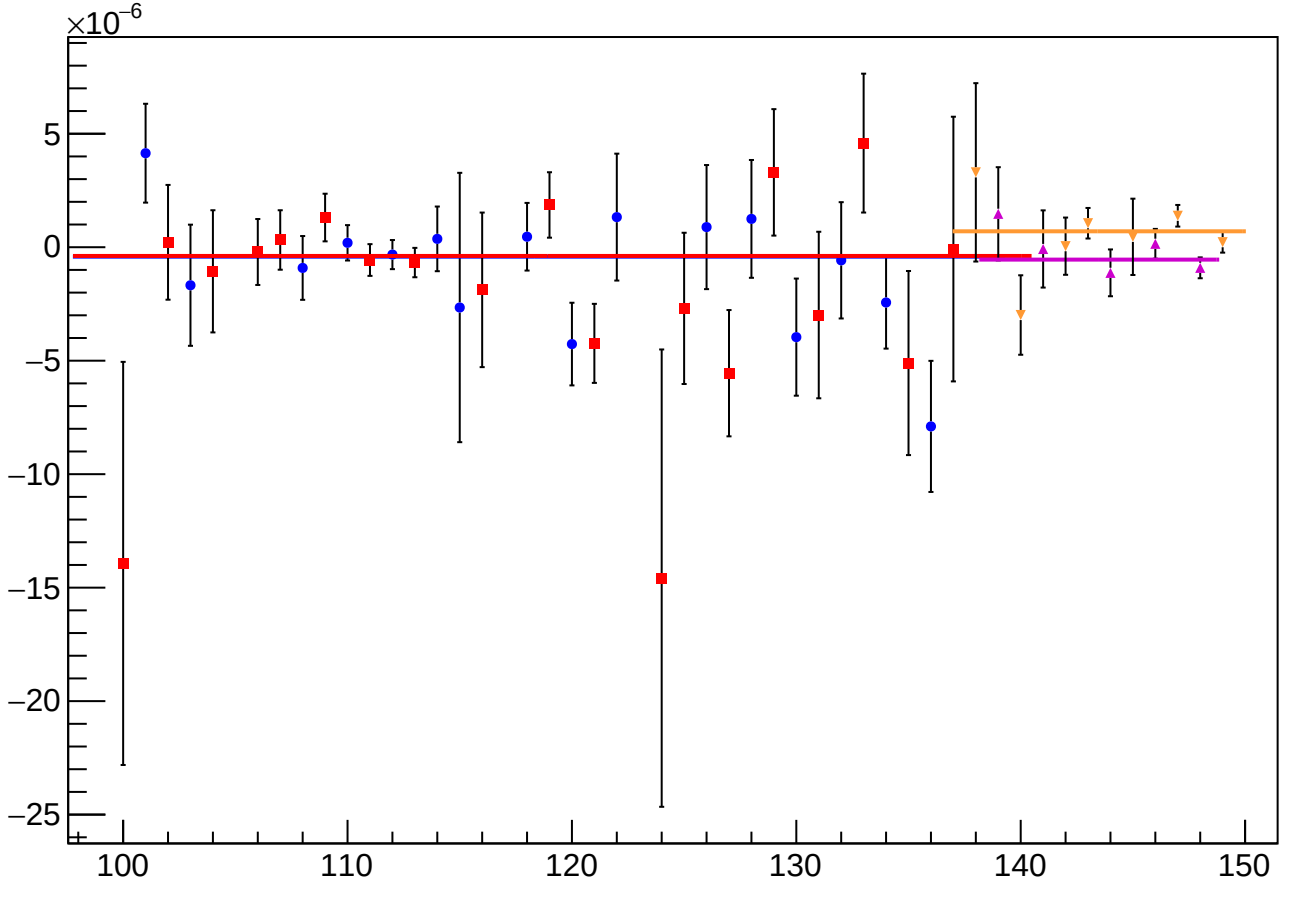
Left: 28.473+/-0.007 χ^2/NDF: 939485.7/11

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 29.093+/-0.006 χ^2/NDF:768272.1/20

Out: 30.017+/-0.006 χ^2/NDF:1377652.8/25

All: 29.561+/-0.004 χ^2/NDF: 2156804.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/4

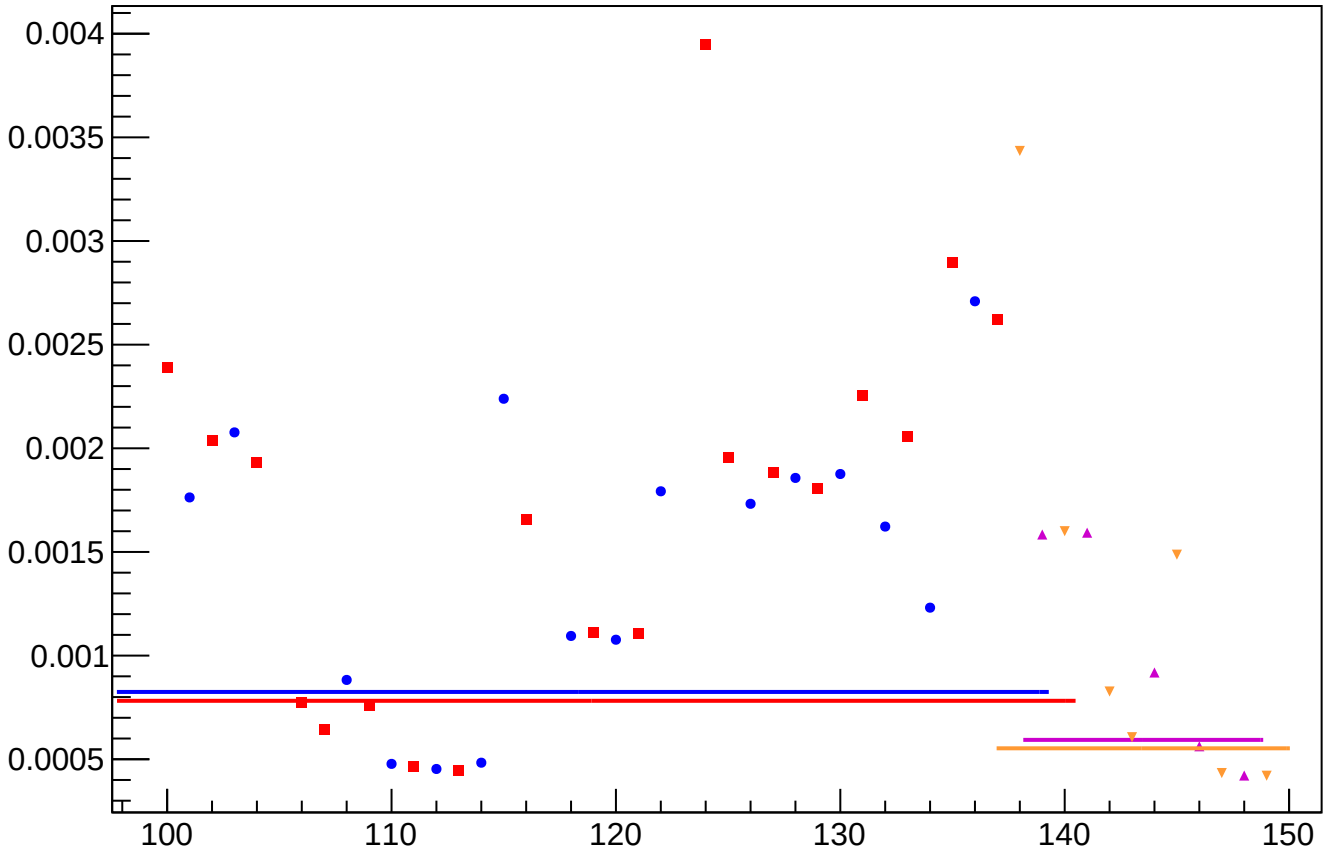
Left: 0.000+/-0.000 χ^2/NDF: 19.7/11

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:39.8/25

All: -0.000+/-0.000 χ^2/NDF: 69.4/46



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2806234.1/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1639563.2/4

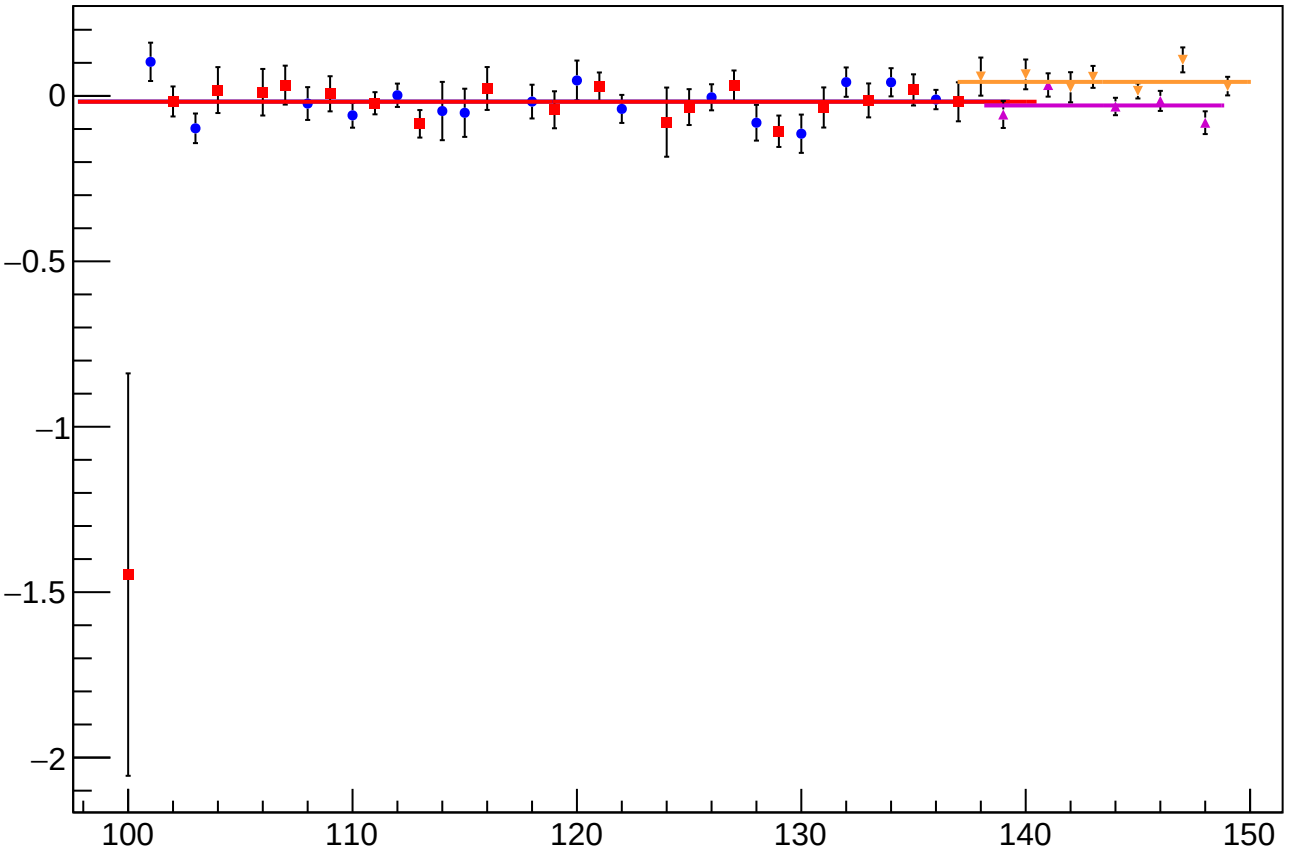
Left: 0.001+/-0.000 χ^2/NDF: 4462767.7/11

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:7969342.7/25

All: 0.001+/-0.000 χ^2/NDF: 14536990.2/46



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.042+/-0.013 χ^2/NDF:5.4/6

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: 0.011+/-0.010 χ^2/NDF: 25.0/11

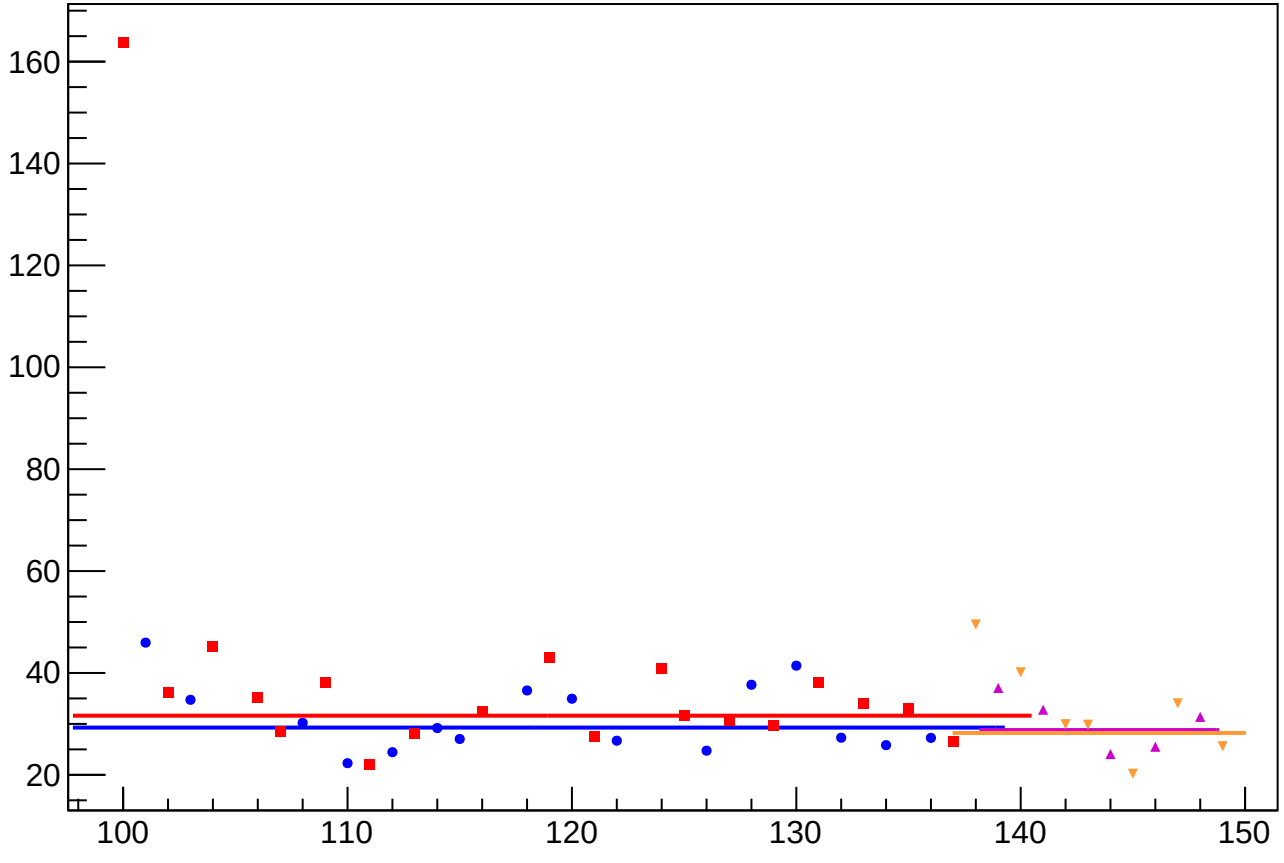
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.011+/-0.009 χ^2/NDF:33.8/25

All: -0.005+/-0.006 χ^2/NDF: 65.7/46

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: 28.223+/-0.009 χ^2/NDF:731603.9/6

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

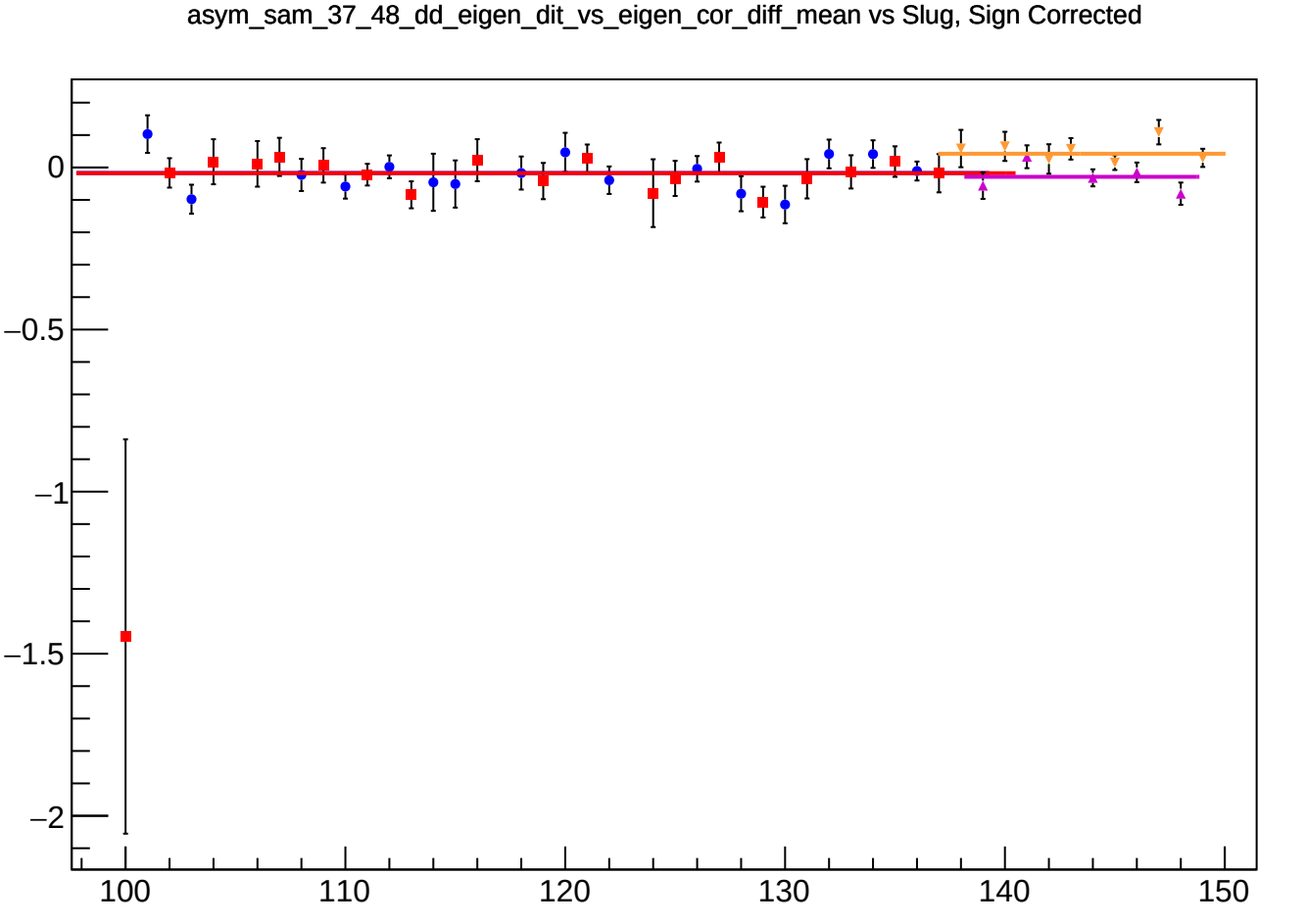
Left: 28.473+/-0.007 χ^2/NDF: 939515.5/11

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 29.093+/-0.006 χ^2/NDF:768253.9/20

Out: 30.017+/-0.006 χ^2/NDF:1377723.6/25

All: 29.561+/-0.004 χ^2/NDF: 2156853.8/46



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.042+/-0.013 χ^2/NDF:5.4/6

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: 0.011+/-0.010 χ^2/NDF: 25.0/11

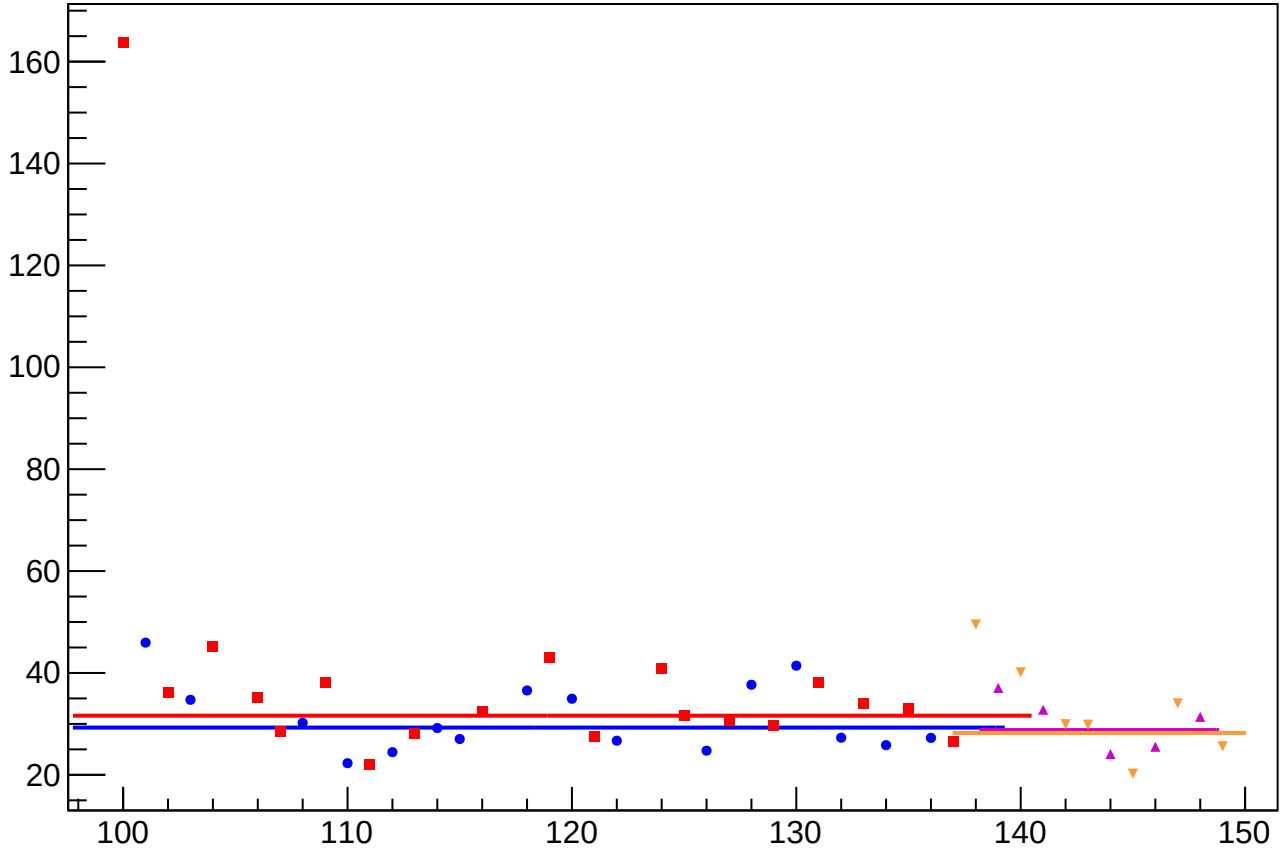
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.009 χ^2/NDF:25.3/20

Out: 0.011+/-0.009 χ^2/NDF:33.8/25

All: -0.005+/-0.006 χ^2/NDF: 65.7/46

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: 28.223+/-0.009 χ^2/NDF:731603.9/6

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.791+/-0.010 χ^2/NDF:206190.5/4

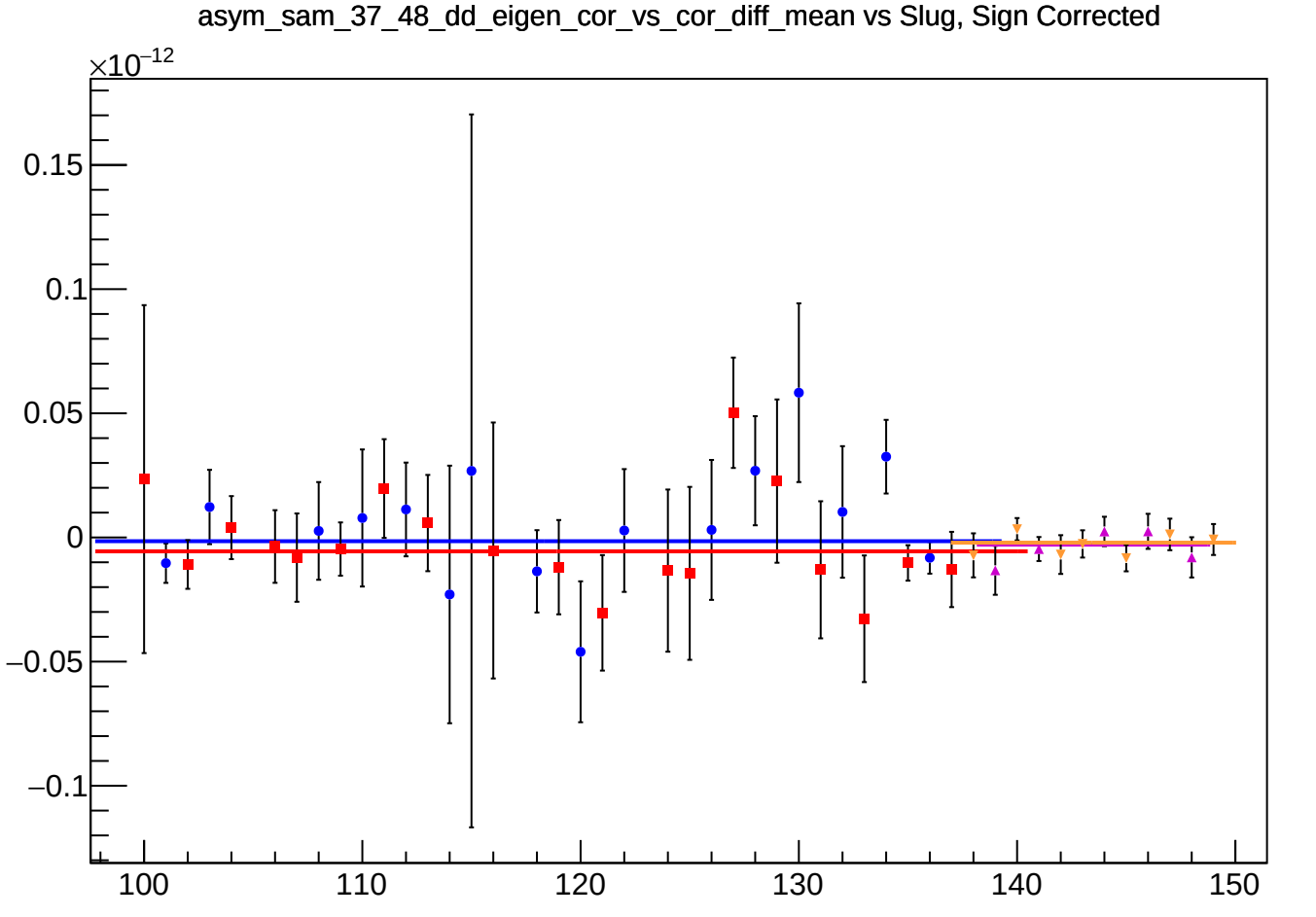
Left: 28.473+/-0.007 χ^2/NDF: 939515.5/11

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

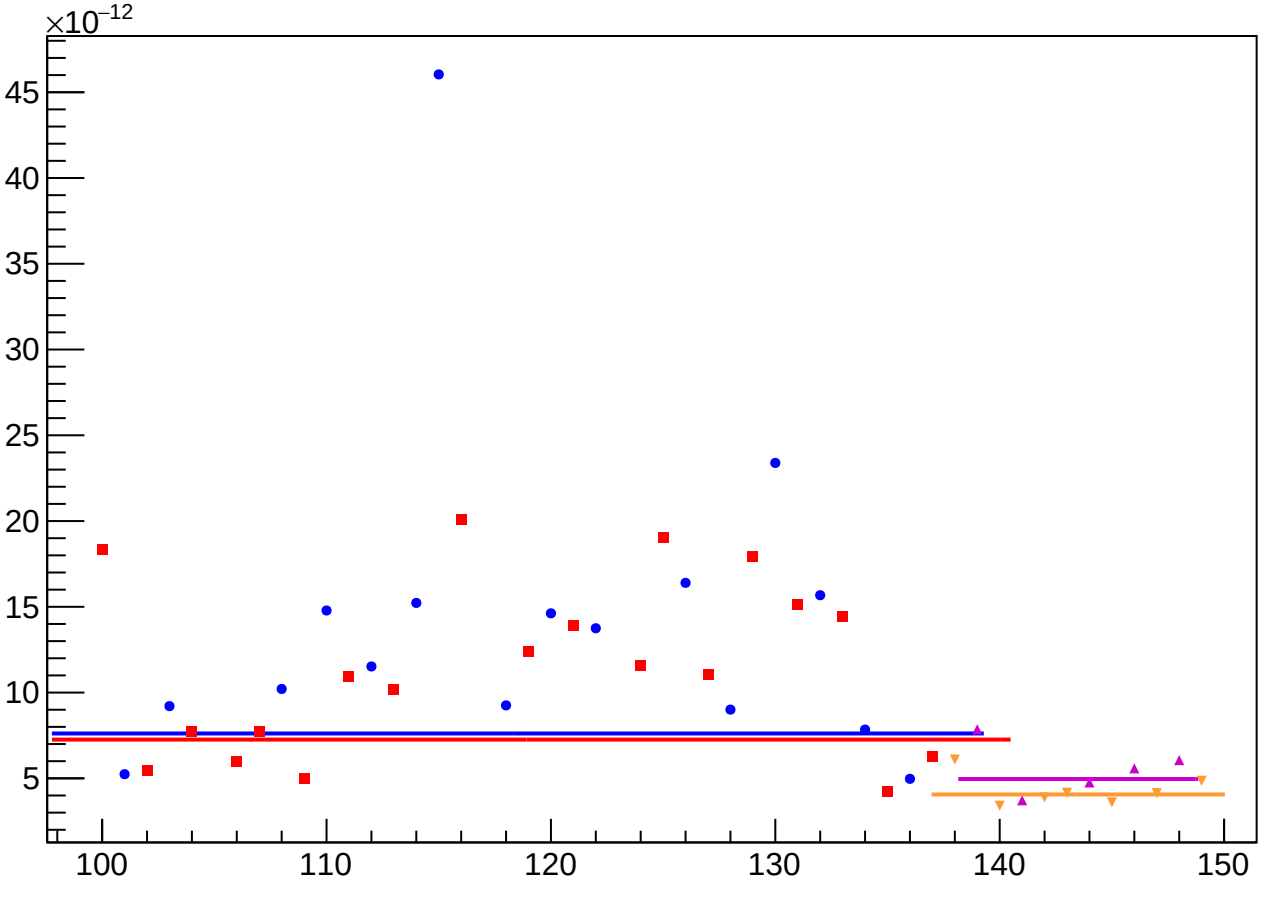
In: 29.093+/-0.006 χ^2/NDF:768253.9/20

Out: 30.017+/-0.006 χ^2/NDF:1377723.6/25

All: 29.561+/-0.004 χ^2/NDF: 2156853.8/46


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/6
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.0/4
Left: -0.000+/-0.000 χ²/NDF: 6.9/11
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:20.0/20
Out: -0.000+/-0.000 χ²/NDF:17.8/25
All: -0.000+/-0.000 χ²/NDF: 37.9/46

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:198062.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:358539.7/4

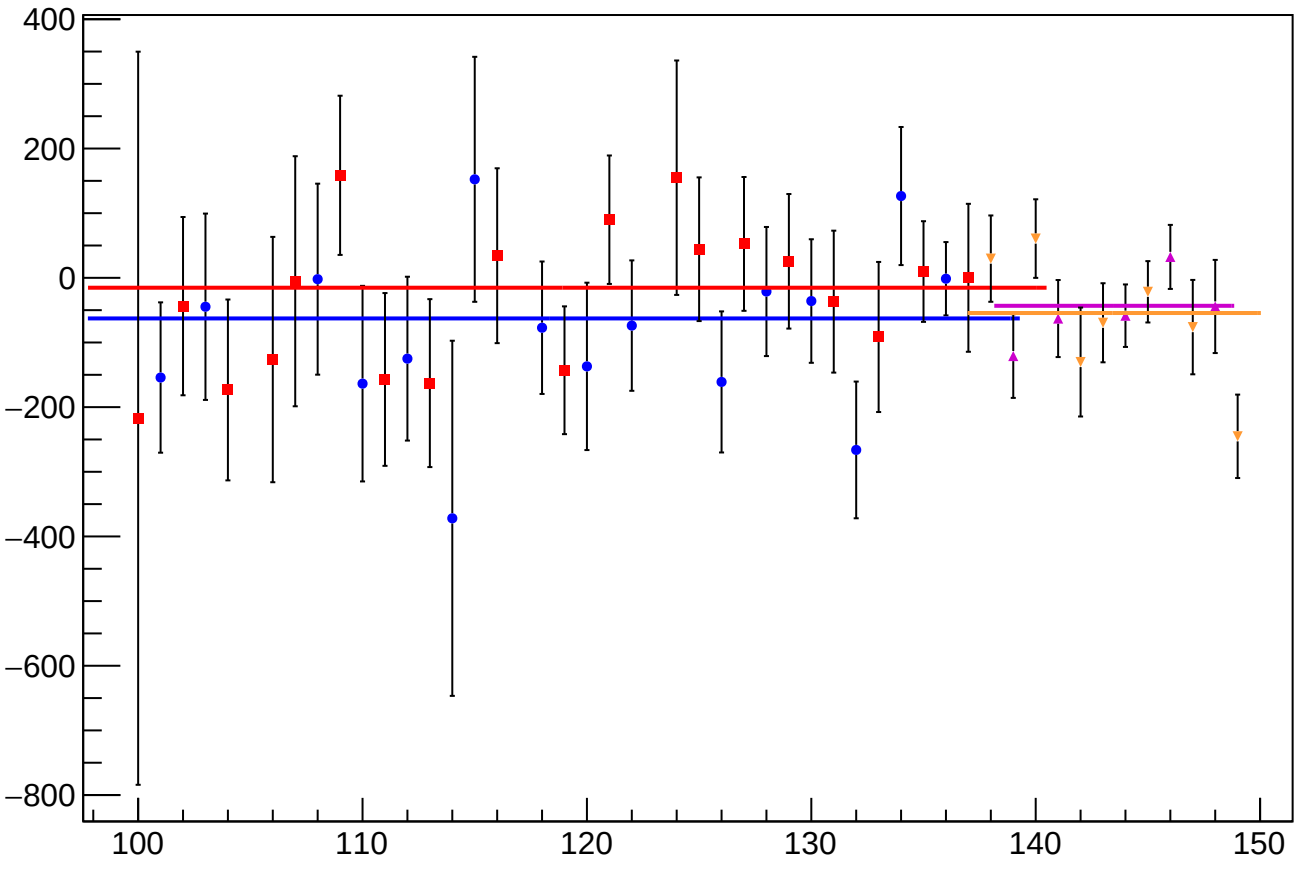
Left: 0.000+/-0.000 χ^2/NDF: 676281.1/11

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:3311108.9/25

All: 0.000+/-0.000 χ^2/NDF: 6520679.1/46



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -54.406+/-23.731 χ^2/NDF:15.4/6

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -43.252+/-25.414 χ^2/NDF:4.0/4

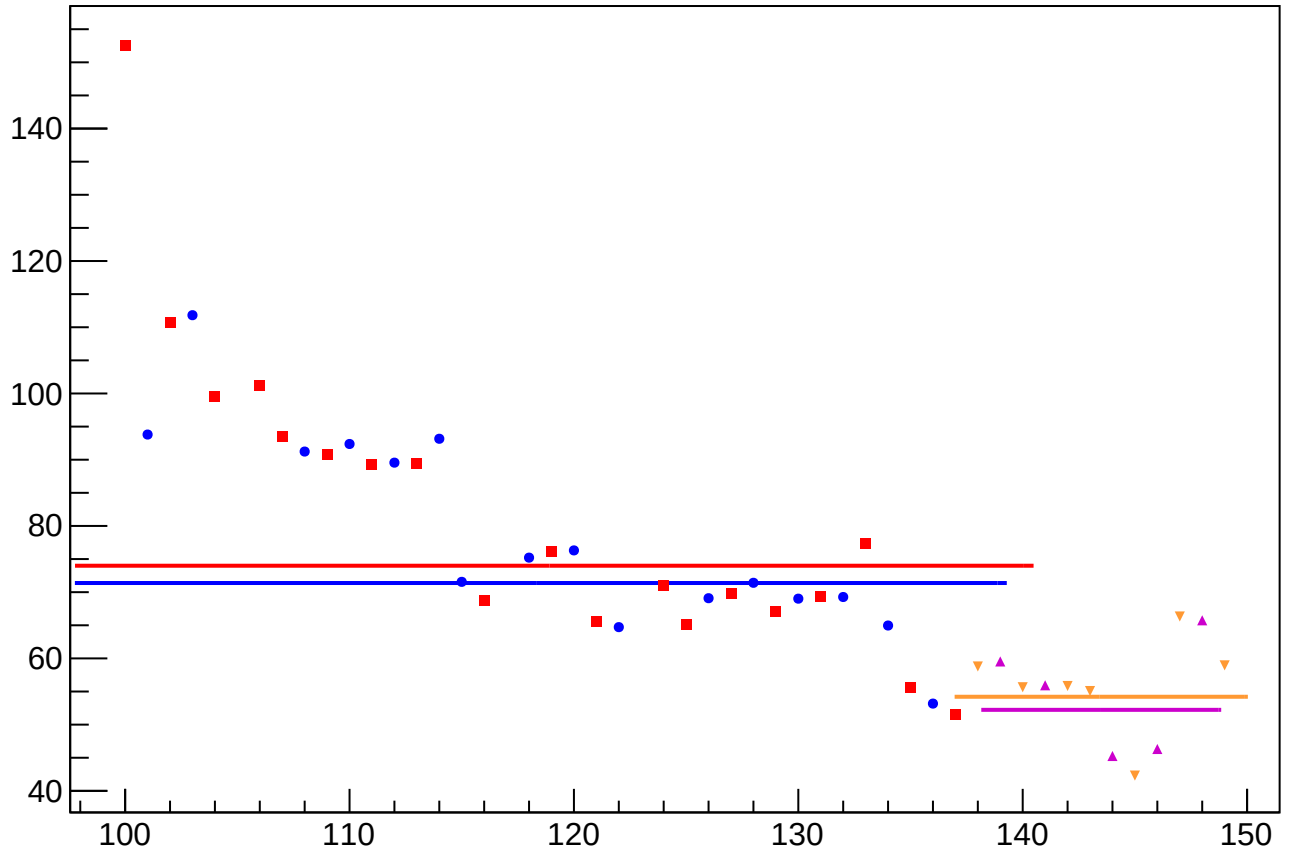
Left: -49.210+/-17.345 χ^2/NDF: 19.4/11

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -52.357+/-18.574 χ^2/NDF:17.7/20

Out: -37.896+/-18.041 χ^2/NDF:28.0/25

All: -44.916+/-12.941 χ^2/NDF: 46.0/46



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.209+/-0.017 χ^2/NDF:203387.2/6

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.3/4

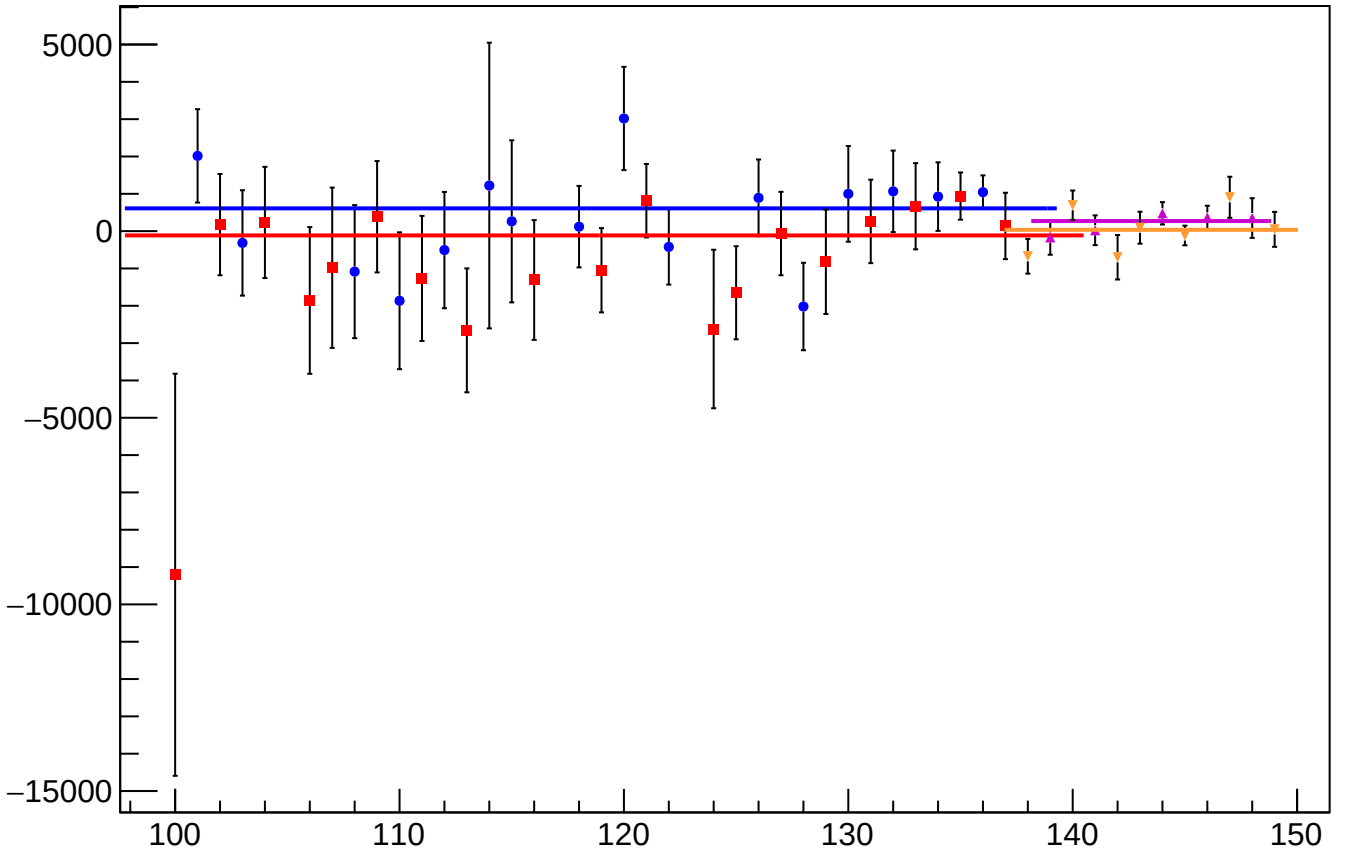
Left: 53.289+/-0.012 χ^2/NDF: 383521.1/11

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 61.155+/-0.013 χ^2/NDF:1293578.5/20

Out: 62.559+/-0.013 χ^2/NDF:1428534.5/25

All: 61.877+/-0.009 χ^2/NDF: 2727999.1/46



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 35.049+/-155.003 χ^2/NDF:9.5/6

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: 143.435+/-113.733 χ^2/NDF: 12.5/11

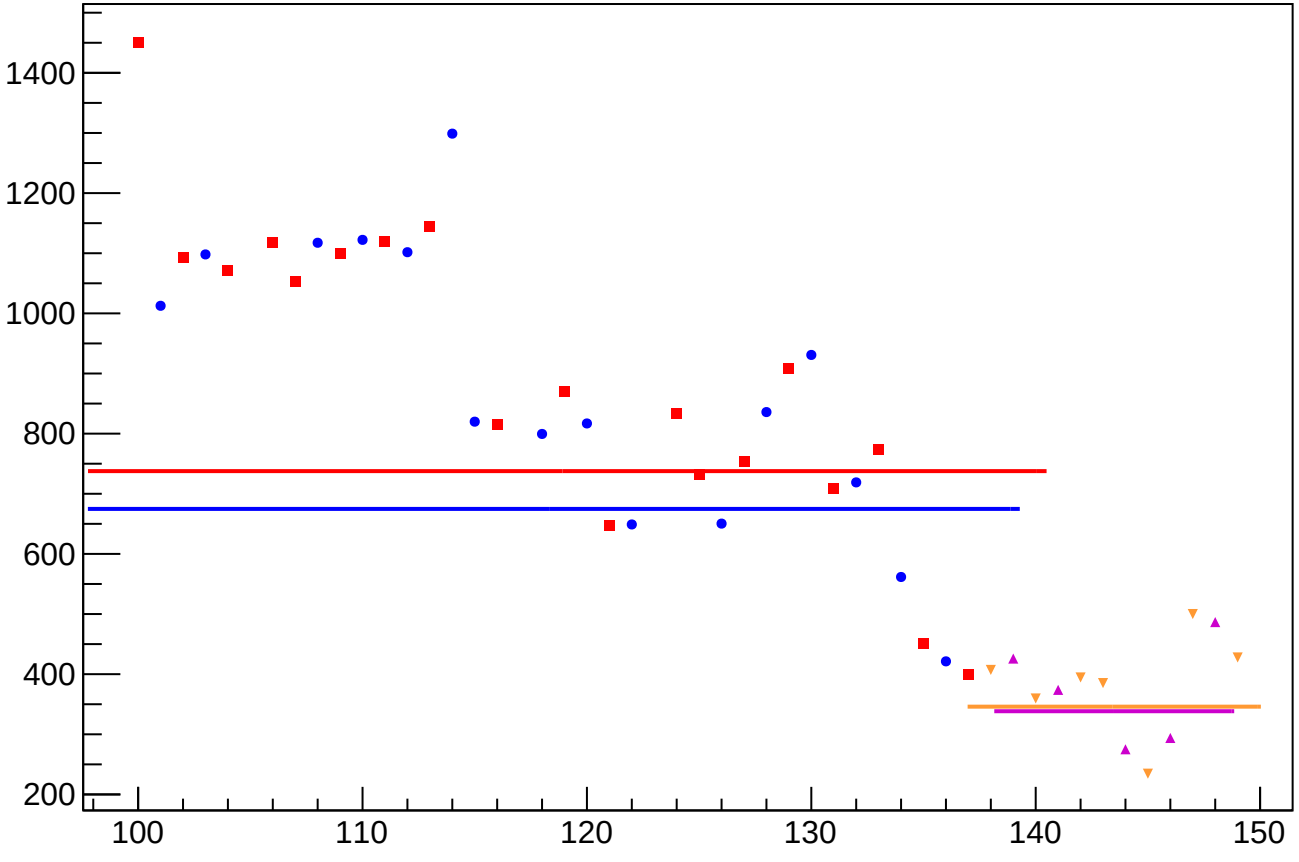
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 366.082+/-141.797 χ^2/NDF:18.7/20

Out: 0.753+/-136.092 χ^2/NDF:25.3/25

All: 175.921+/-98.186 χ^2/NDF: 47.5/46

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 345.979+/-0.110 χ^2/NDF:642216.8/6

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 338.375+/-0.118 χ^2/NDF:371244.9/4

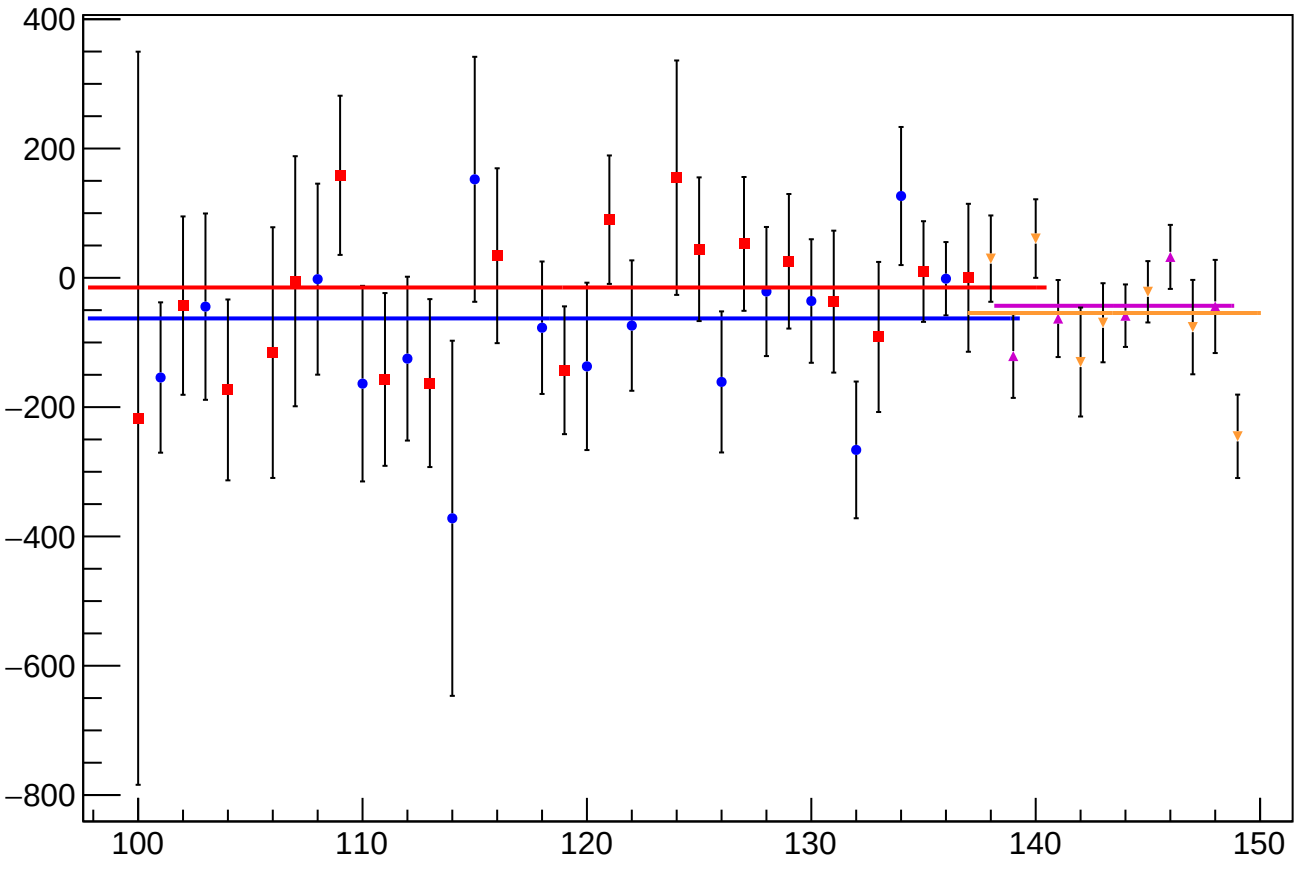
Left: 342.469+/-0.080 χ^2/NDF: 1015683.6/11

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 433.410+/-0.100 χ^2/NDF:4271040.6/20

Out: 435.727+/-0.096 χ^2/NDF:5085272.8/25

All: 434.616+/-0.069 χ^2/NDF: 9356591.3/46



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -54.407+/-23.731 χ^2/NDF:15.4/6

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.252+/-25.414 χ^2/NDF:4.0/4

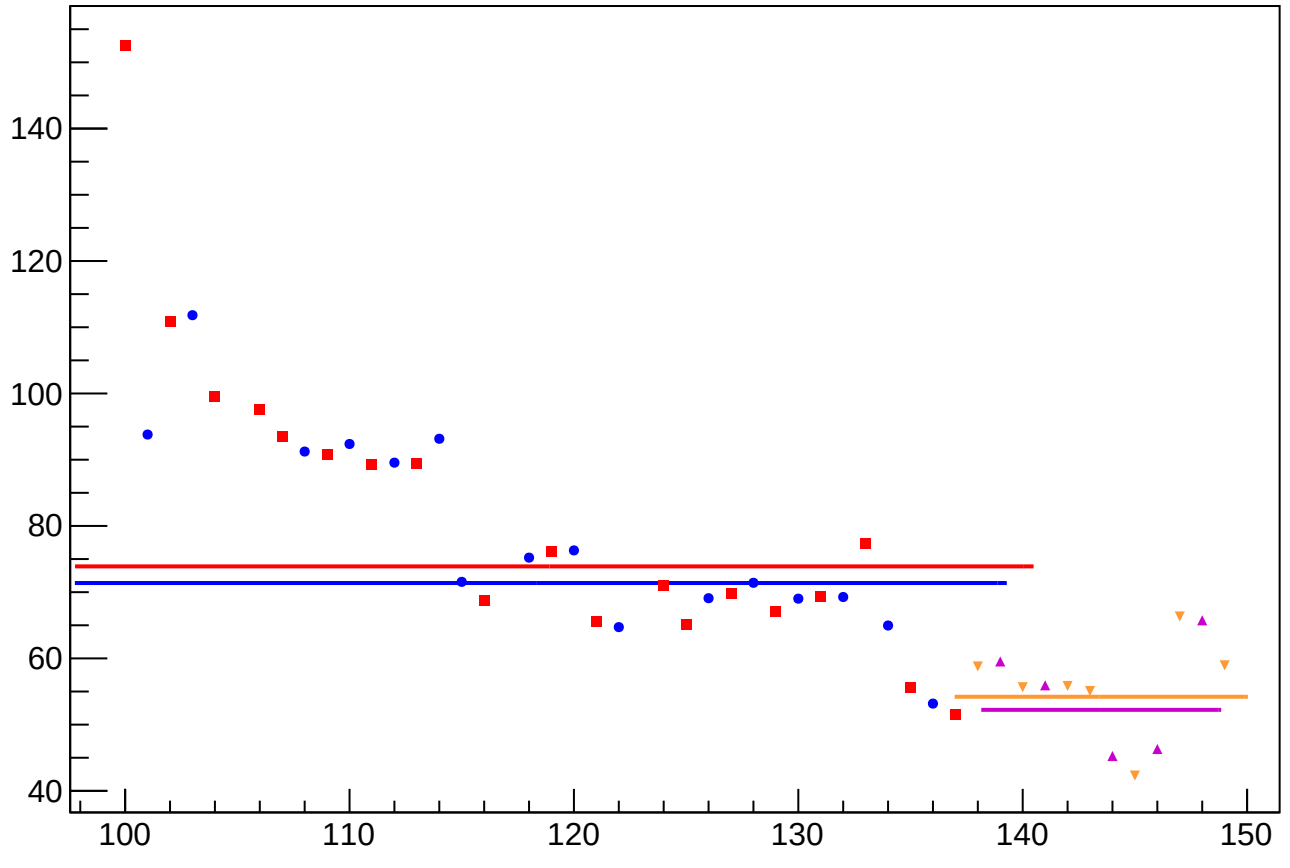
Left: -49.211+/-17.345 χ^2/NDF: 19.4/11

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.353+/-18.574 χ^2/NDF:17.7/20

Out: -37.755+/-18.045 χ^2/NDF:27.9/25

All: -44.843+/-12.943 χ^2/NDF: 46.0/46



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.209+/-0.017 χ^2/NDF:203387.2/6

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 52.234+/-0.018 χ^2/NDF:173679.4/4

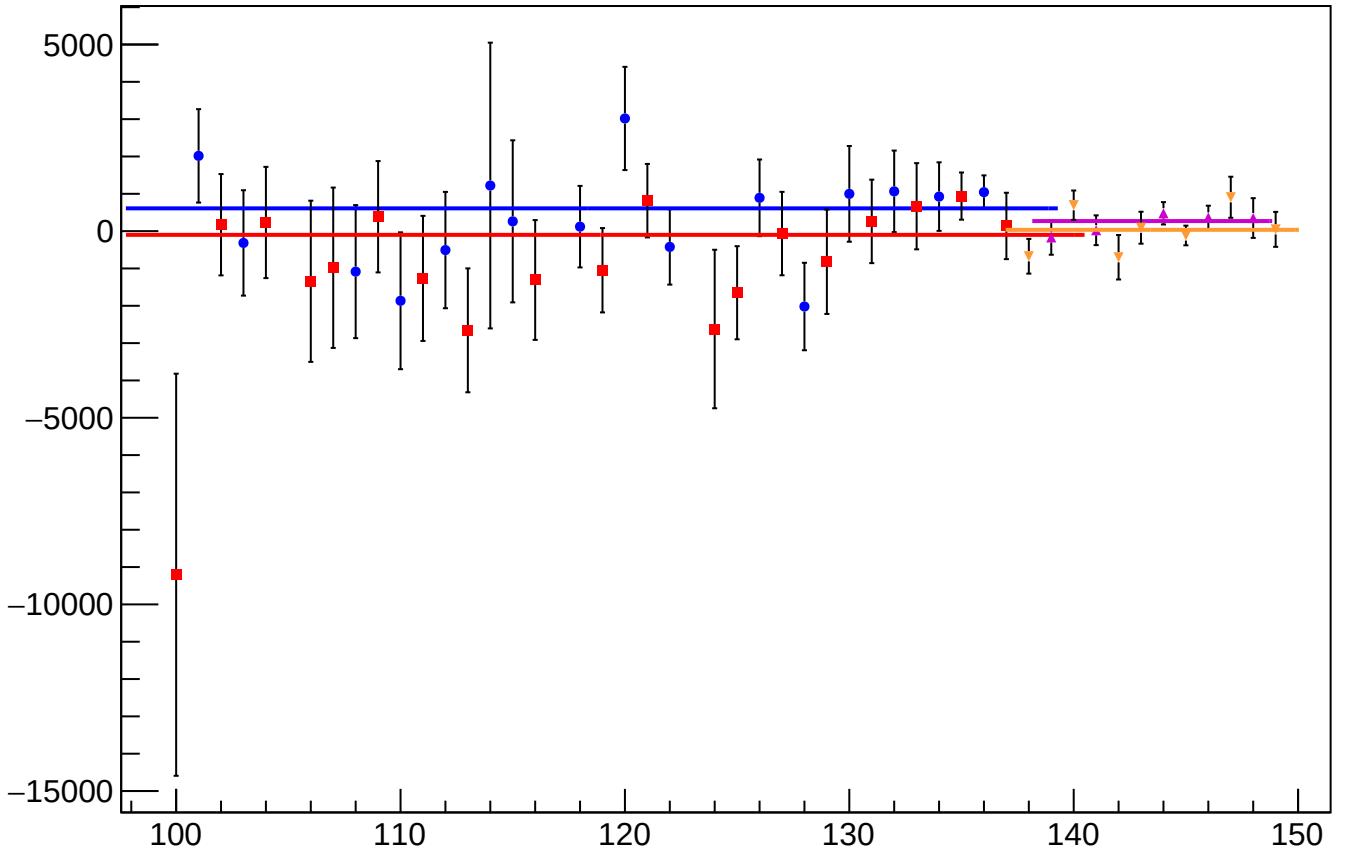
Left: 53.289+/-0.012 χ^2/NDF: 383521.1/11

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 61.155+/-0.013 χ^2/NDF:1293581.1/20

Out: 62.513+/-0.013 χ^2/NDF:1410882.3/25

All: 61.853+/-0.009 χ^2/NDF: 2709963.7/46



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 35.047+/-155.003 χ^2/NDF:9.5/6

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 269.839+/-167.395 χ^2/NDF:1.9/4

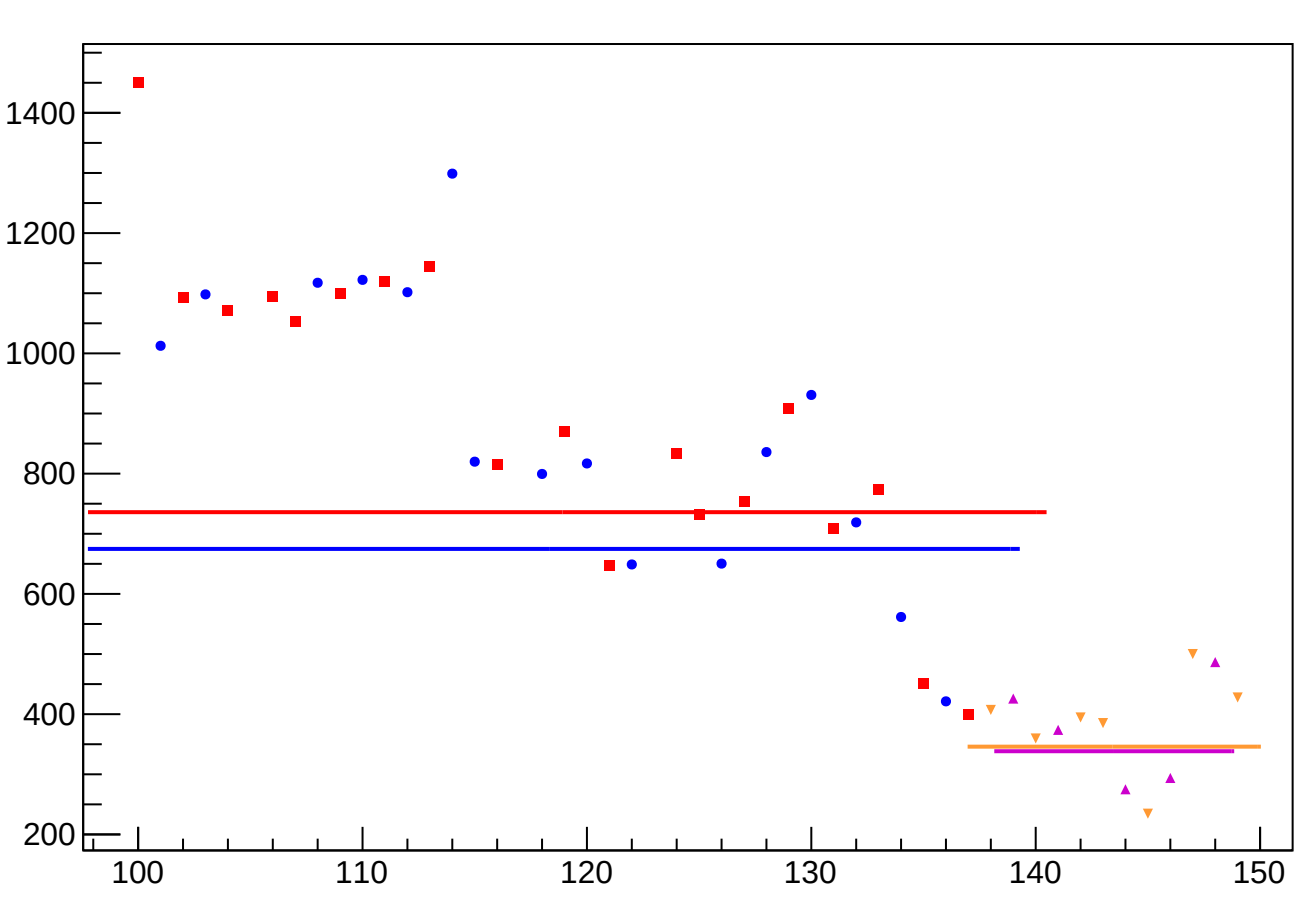
Left: 143.431+/-113.733 χ^2/NDF: 12.5/11

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 366.076+/-141.797 χ^2/NDF:18.7/20

Out: 4.293+/-136.149 χ^2/NDF:24.8/25

All: 177.835+/-98.208 χ^2/NDF: 46.9/46



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.978+/-0.110 χ^2/NDF:642221.9/6

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

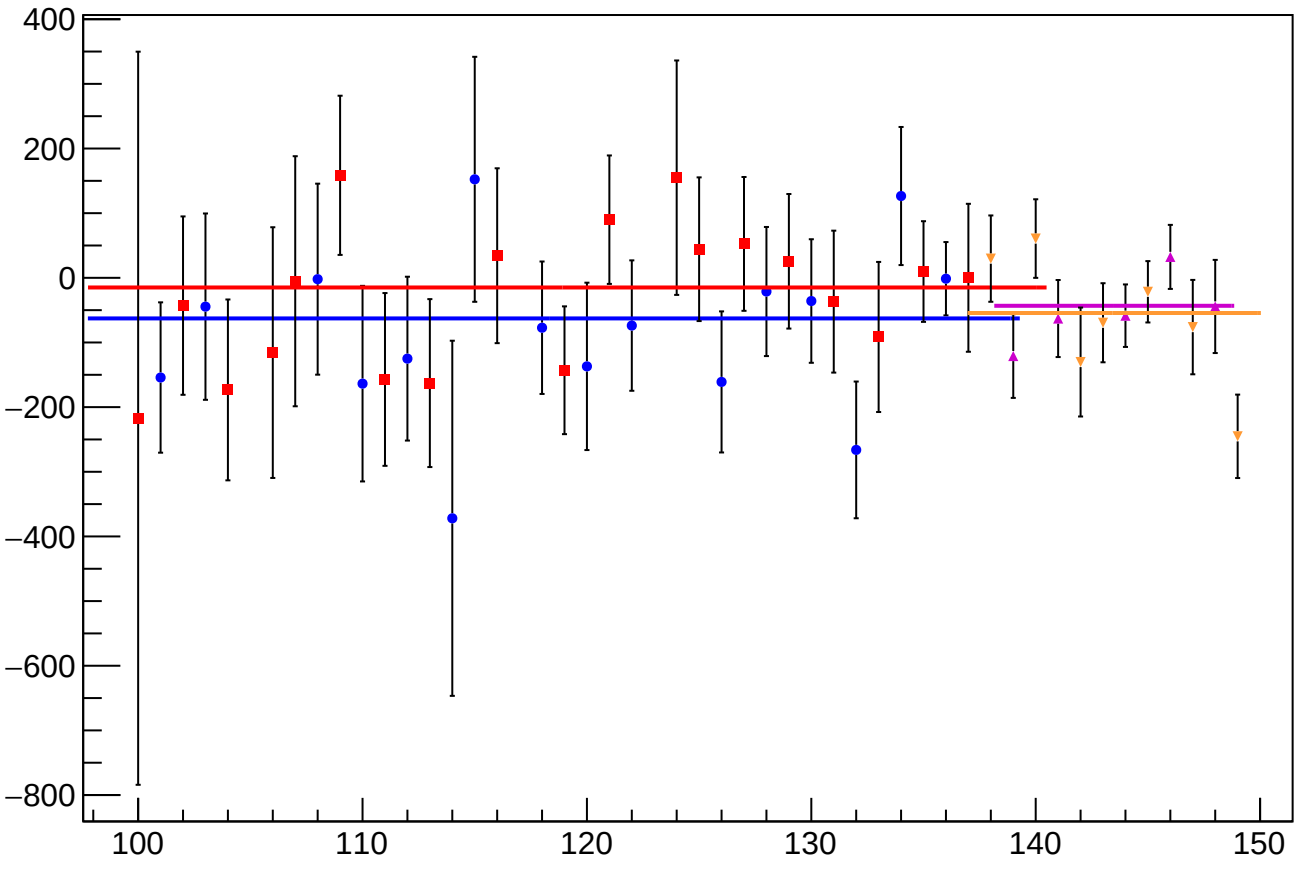
Left: 342.469+/-0.080 χ^2/NDF: 1015688.6/11

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.410+/-0.100 χ^2/NDF:4271064.7/20

Out: 435.073+/-0.096 χ^2/NDF:5031203.5/25

All: 434.275+/-0.069 χ^2/NDF: 9302411.4/46



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -54.407+/-23.731 χ^2/NDF:15.4/6

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.252+/-25.414 χ^2/NDF:4.0/4

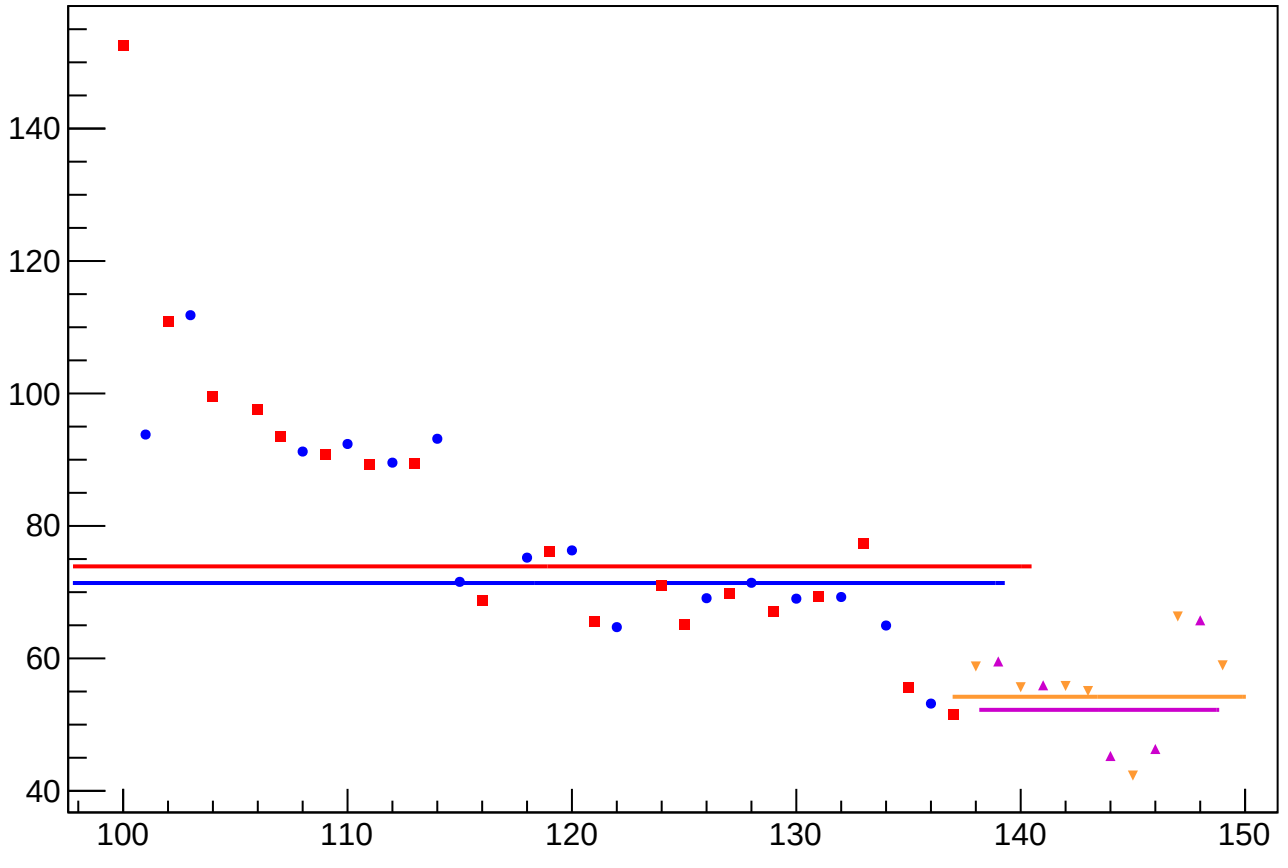
Left: -49.211+/-17.345 χ^2/NDF: 19.4/11

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.353+/-18.574 χ^2/NDF:17.7/20

Out: -37.755+/-18.045 χ^2/NDF:27.9/25

All: -44.843+/-12.943 χ^2/NDF: 46.0/46



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.209+/-0.017 χ^2/NDF:203387.2/6

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: 53.289+/-0.012 χ^2/NDF: 383521.1/11

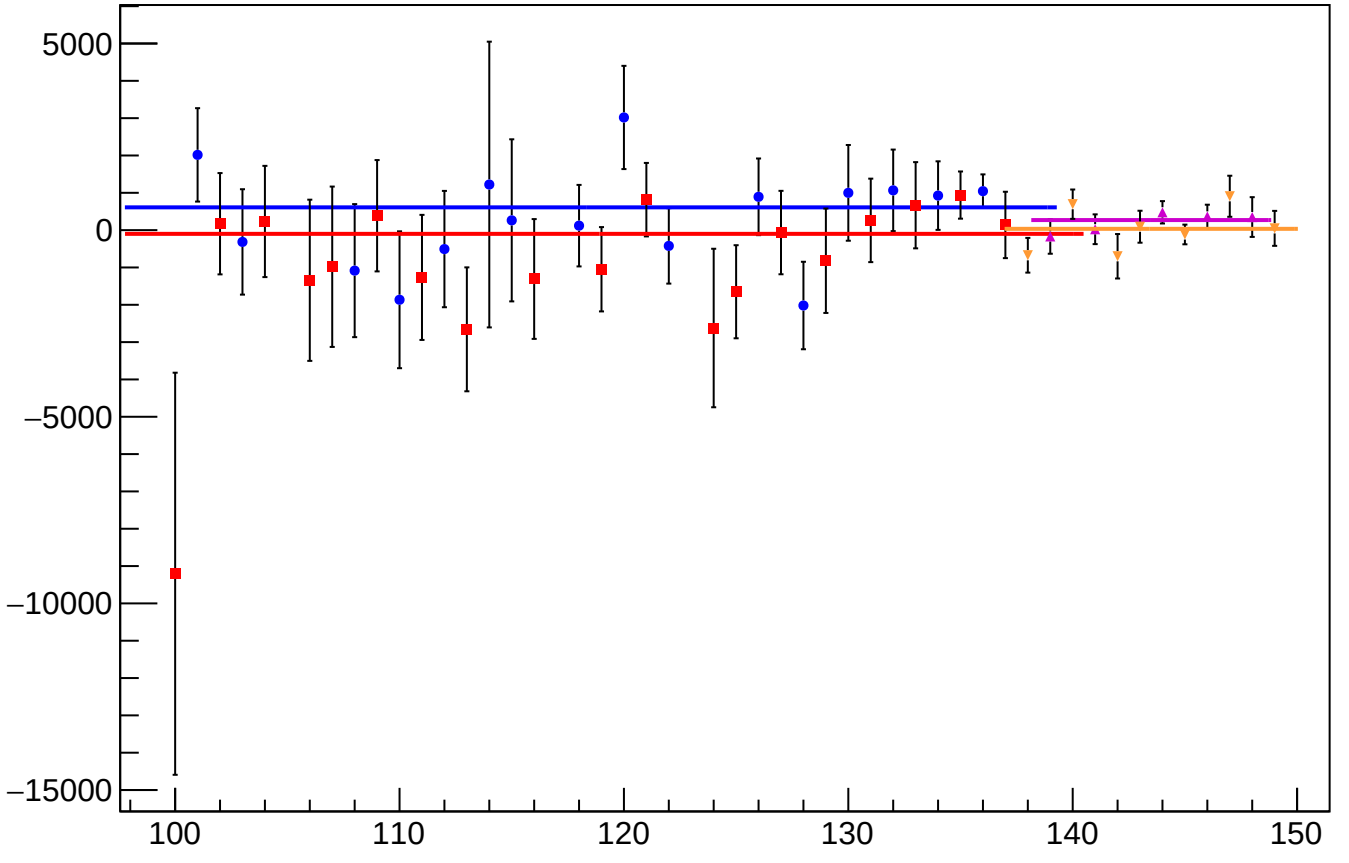
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 61.155+/-0.013 χ^2/NDF:1293581.1/20

Out: 62.513+/-0.013 χ^2/NDF:1410882.3/25

All: 61.853+/-0.009 χ^2/NDF: 2709963.7/46

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: 35.047+/-155.003 χ^2/NDF:9.5/6

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 269.839+/-167.395 χ^2/NDF:1.9/4

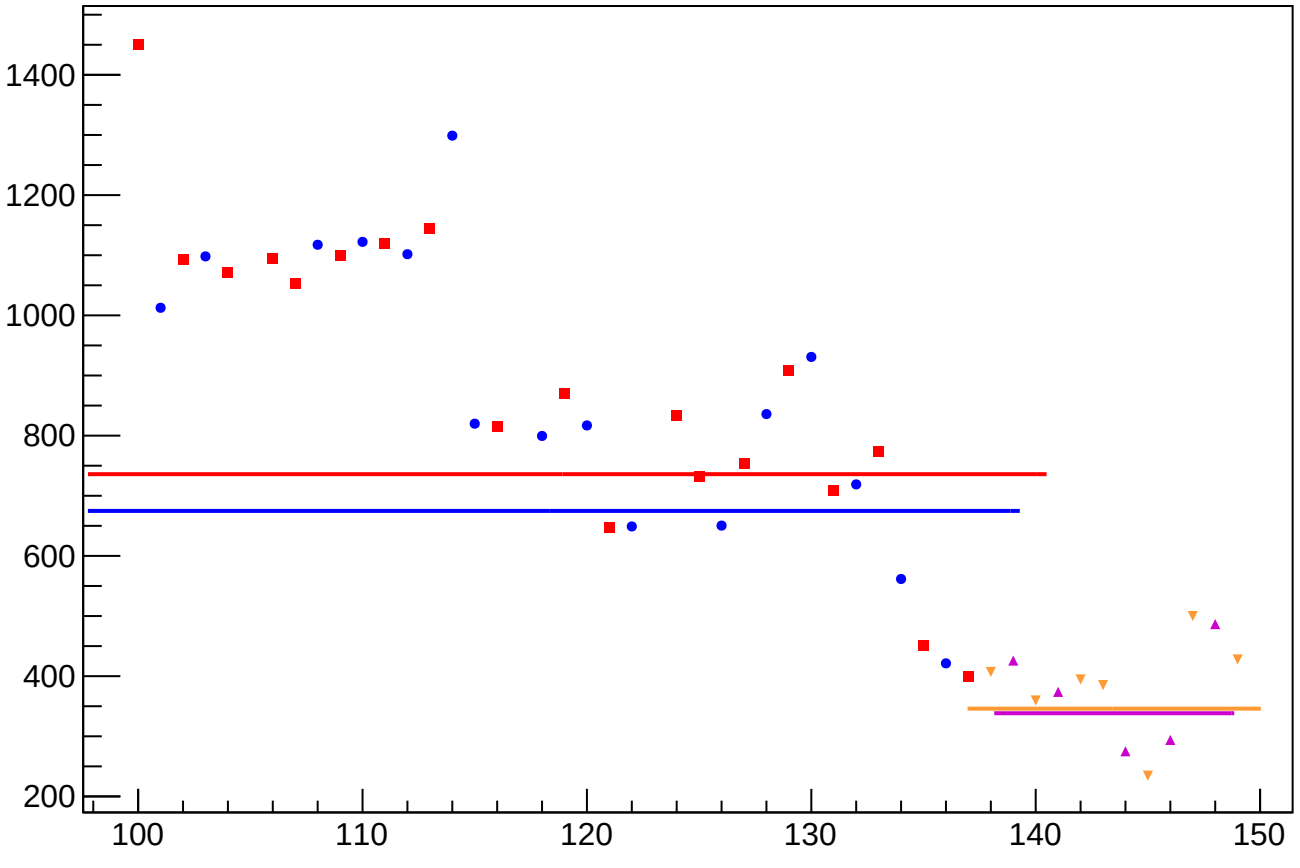
Left: 143.431+/-113.733 χ^2/NDF: 12.5/11

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 366.076+/-141.797 χ^2/NDF:18.7/20

Out: 4.293+/-136.149 χ^2/NDF:24.8/25

All: 177.835+/-98.208 χ^2/NDF: 46.9/46



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.978+/-0.110 χ^2/NDF:642221.9/6

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.375+/-0.118 χ^2/NDF:371245.2/4

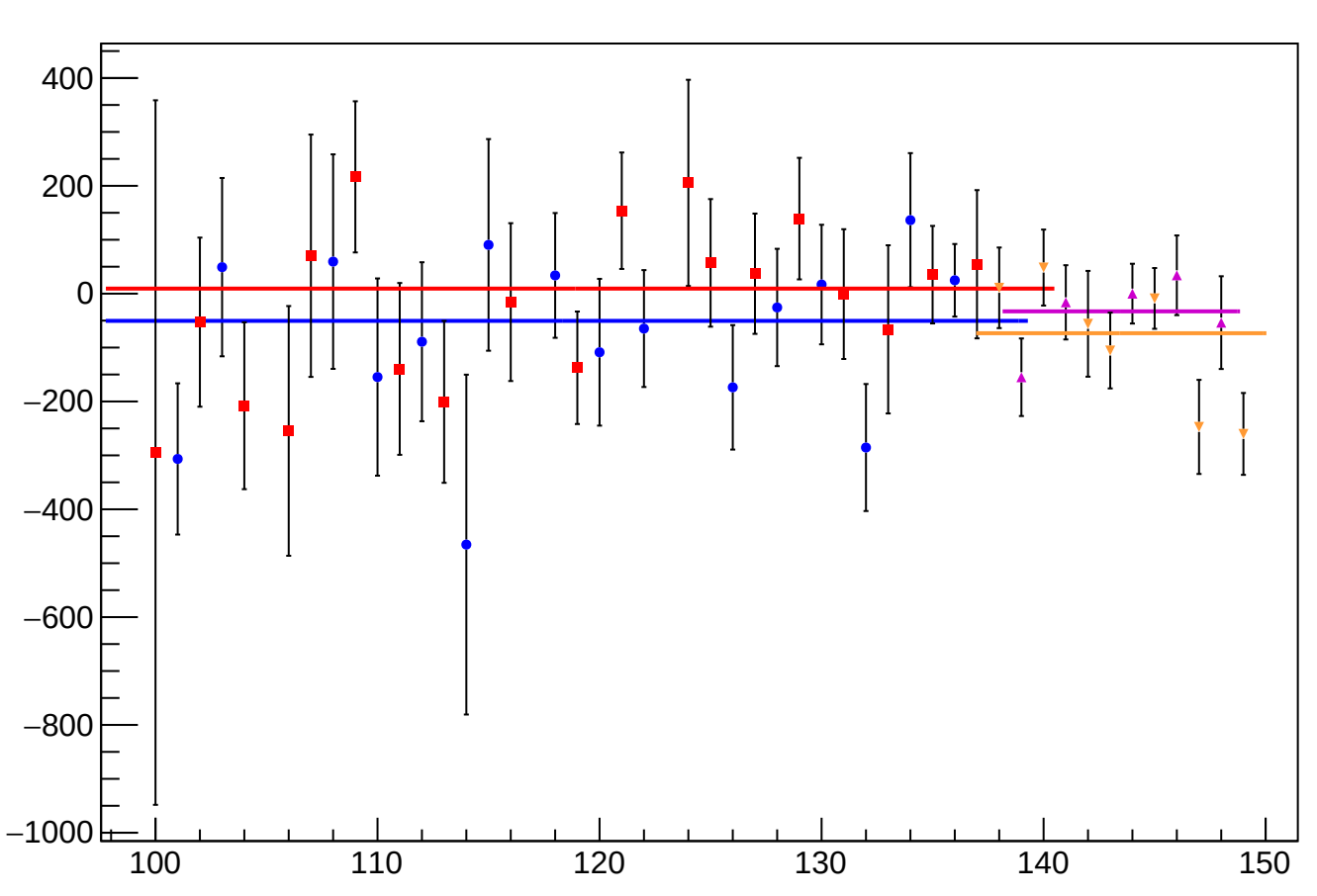
Left: 342.469+/-0.080 χ^2/NDF: 1015688.6/11

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.410+/-0.100 χ^2/NDF:4271064.7/20

Out: 435.073+/-0.096 χ^2/NDF:5031203.5/25

All: 434.275+/-0.069 χ^2/NDF: 9302411.4/46



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -73.362+/-27.669 χ^2/NDF:15.8/6

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -32.817+/-30.899 χ^2/NDF:4.2/4

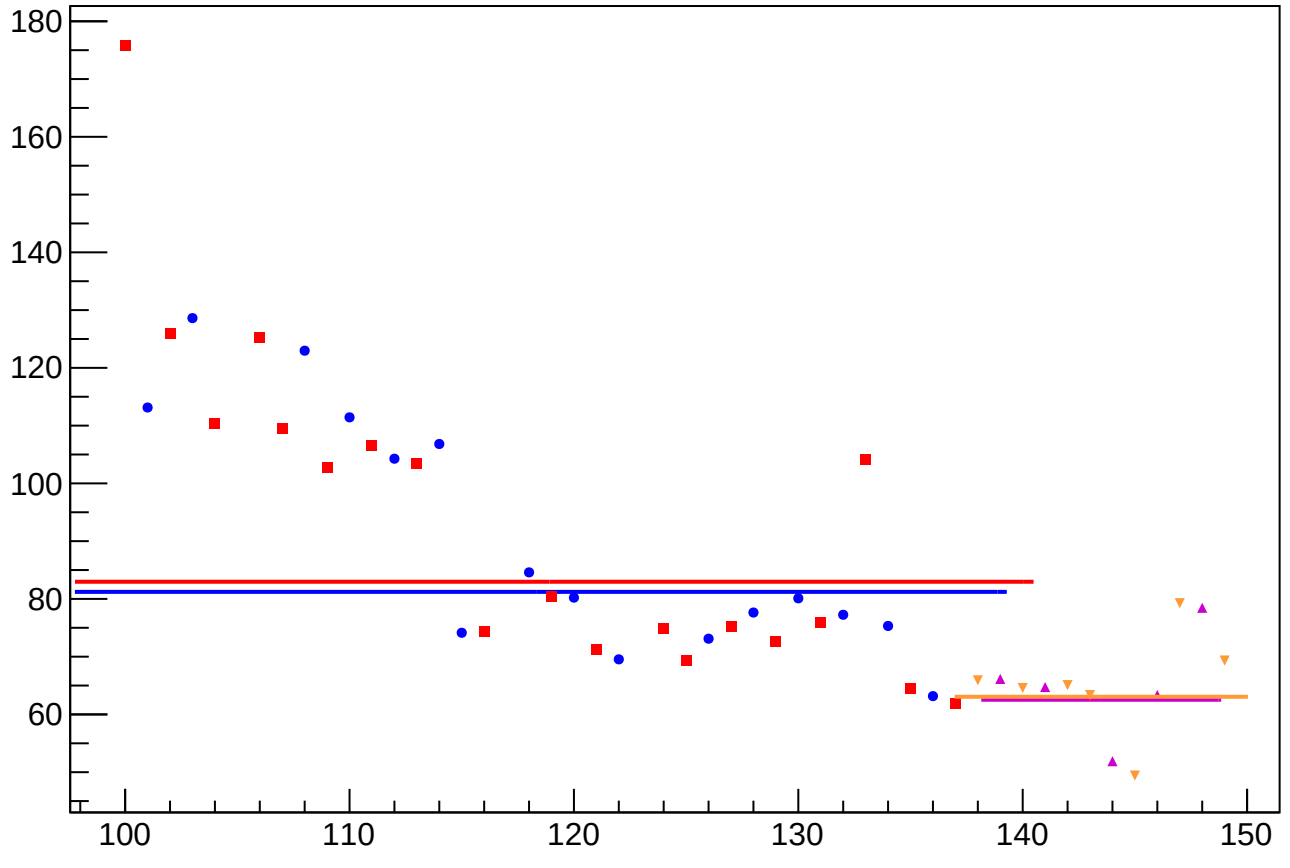
Left: -55.319+/-20.613 χ^2/NDF: 21.0/11

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -41.595+/-21.906 χ^2/NDF:20.8/20

Out: -36.981+/-20.711 χ^2/NDF:35.3/25

All: -39.159+/-15.050 χ^2/NDF: 56.1/46



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 63.061+/-0.020 χ^2/NDF:204441.3/6

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: 62.830+/-0.015 χ^2/NDF: 354283.9/11

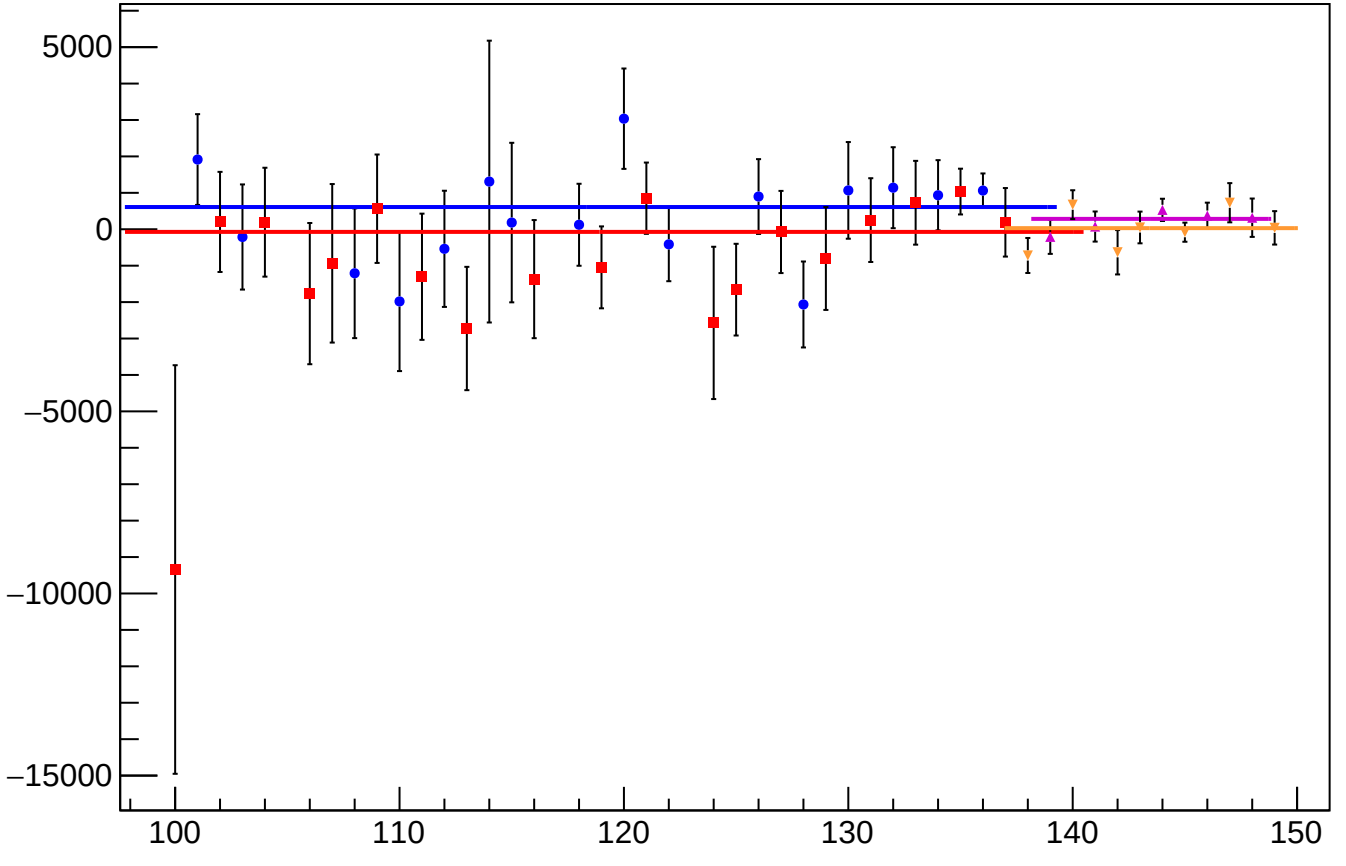
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.831+/-0.015 χ^2/NDF:1175815.6/20

Out: 71.815+/-0.015 χ^2/NDF:1390169.3/25

All: 71.823+/-0.011 χ^2/NDF: 2565985.4/46

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 30.658+/-155.402 χ^2/NDF:8.1/6

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 284.947+/-174.926 χ^2/NDF:2.1/4

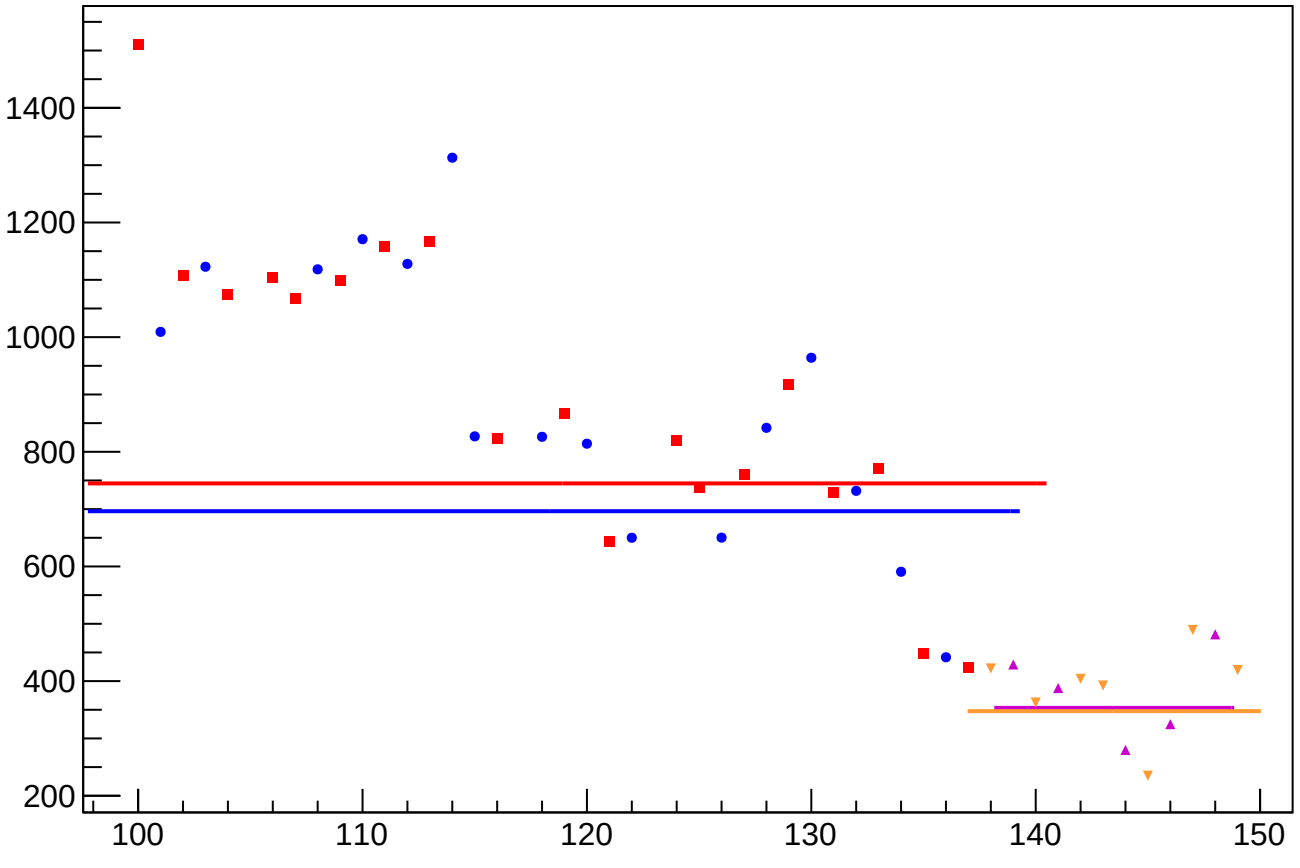
Left: 142.825+/-116.178 χ^2/NDF: 11.4/11

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 379.189+/-147.438 χ^2/NDF:18.9/20

Out: 7.292+/-136.636 χ^2/NDF:24.4/25

All: 179.119+/-100.218 χ^2/NDF: 46.7/46



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 347.576+/-0.110 χ^2/NDF:645000.3/6

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 353.309+/-0.124 χ^2/NDF:313421.8/4

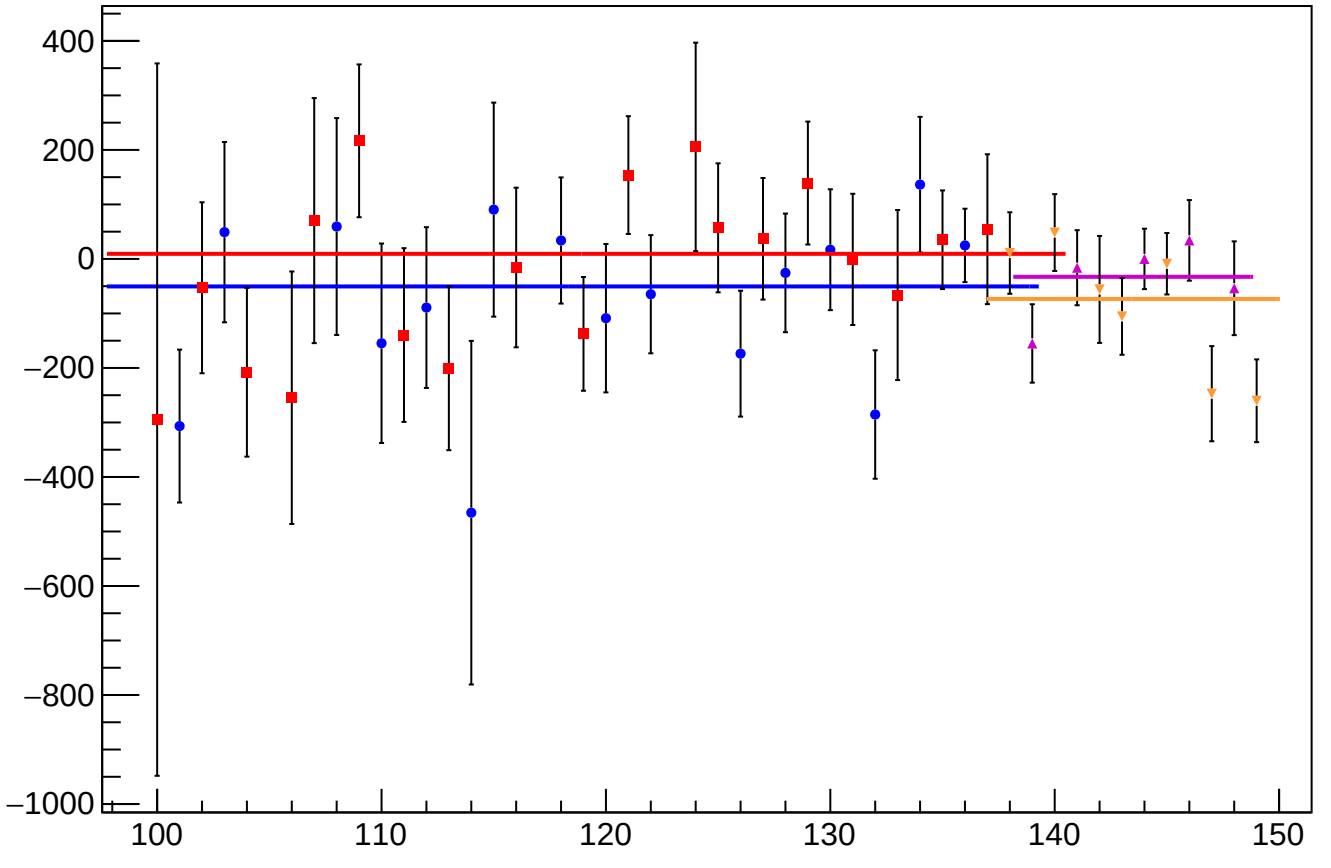
Left: 350.105+/-0.082 χ^2/NDF: 959622.9/11

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 452.655+/-0.104 χ^2/NDF:4056525.1/20

Out: 437.733+/-0.097 χ^2/NDF:5109807.8/25

All: 444.628+/-0.071 χ^2/NDF: 9177353.8/46



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -73.361+/-27.669 χ^2/NDF:15.8/6

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -32.816+/-30.899 χ^2/NDF:4.2/4

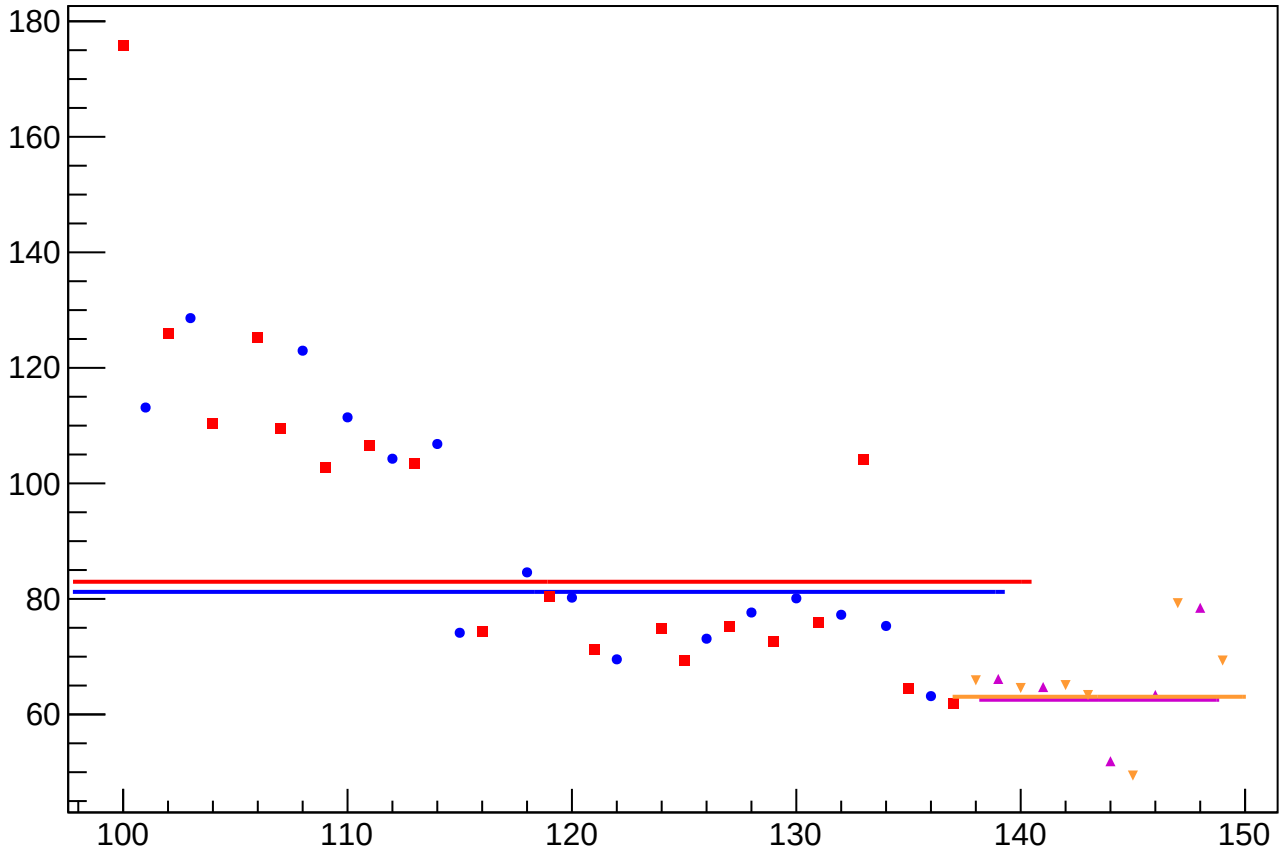
Left: -55.318+/-20.613 χ^2/NDF: 21.0/11

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -41.595+/-21.906 χ^2/NDF:20.8/20

Out: -36.981+/-20.711 χ^2/NDF:35.3/25

All: -39.158+/-15.050 χ^2/NDF: 56.1/46



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 63.061+/-0.020 χ^2/NDF:204437.9/6

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.542+/-0.022 χ^2/NDF:149530.6/4

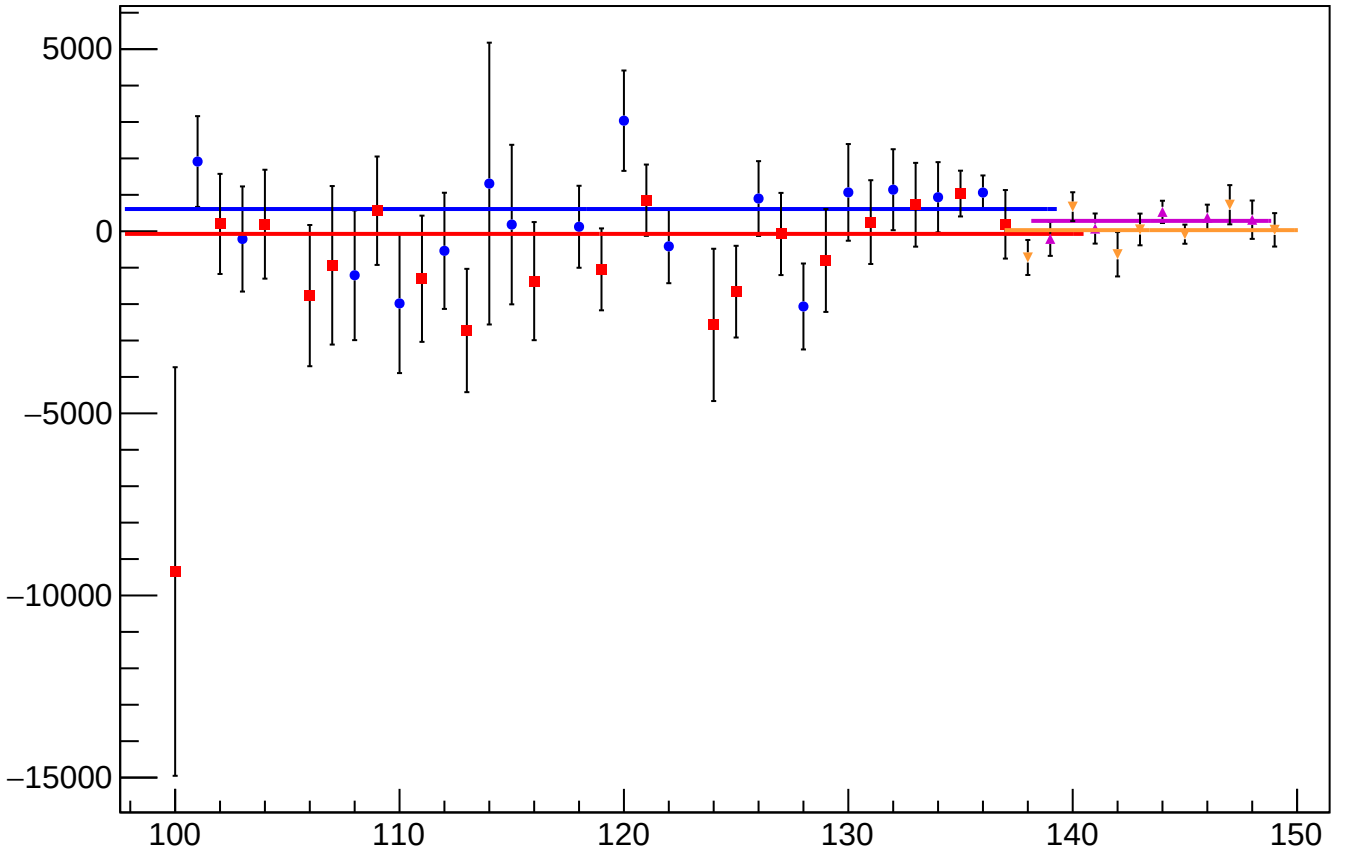
Left: 62.830+/-0.015 χ^2/NDF: 354281.3/11

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.831+/-0.015 χ^2/NDF:1175776.9/20

Out: 71.815+/-0.015 χ^2/NDF:1390131.4/25

All: 71.823+/-0.011 χ^2/NDF: 2565908.9/46



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 30.658+/-155.402 χ^2/NDF:8.1/6

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 284.948+/-174.926 χ^2/NDF:2.1/4

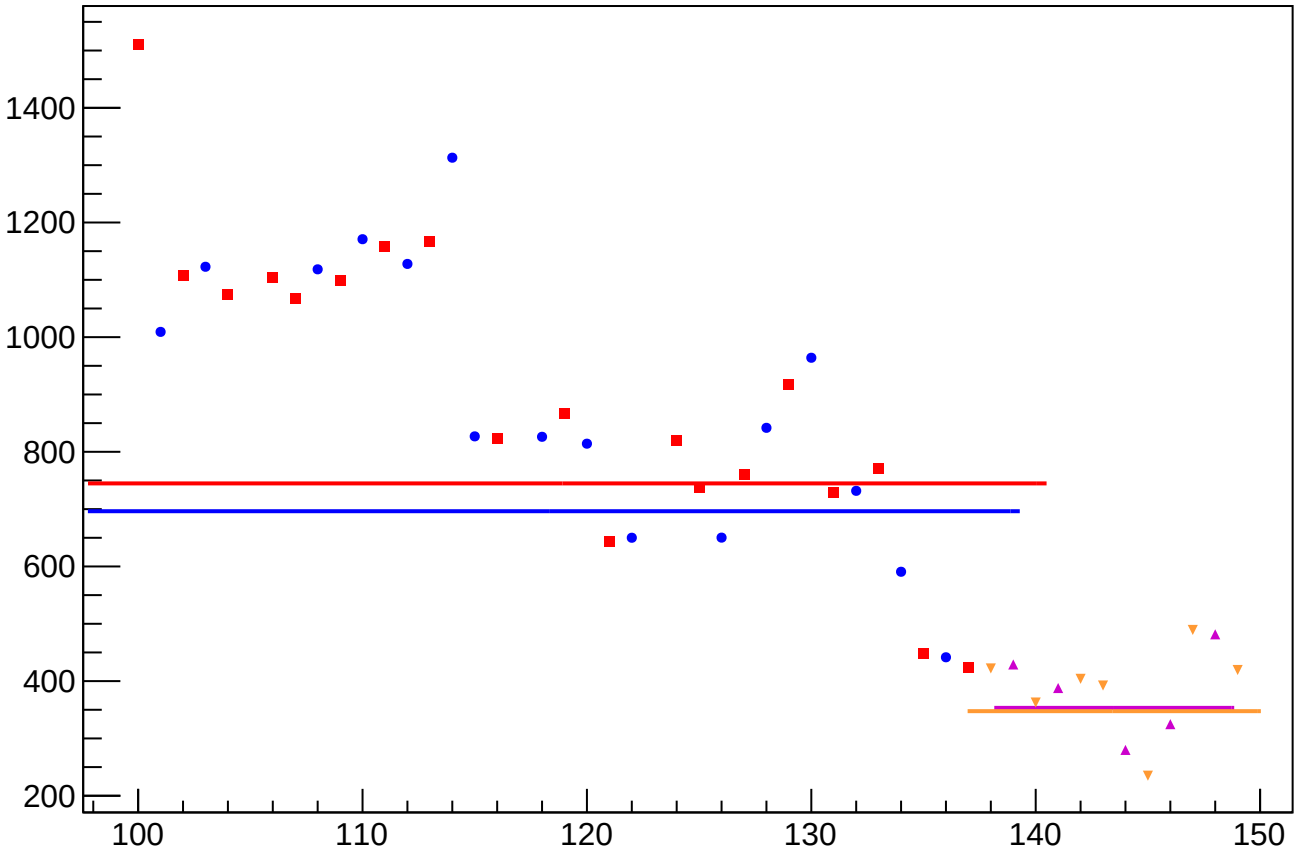
Left: 142.825+/-116.178 χ^2/NDF: 11.4/11

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 379.189+/-147.438 χ^2/NDF:18.9/20

Out: 7.291+/-136.636 χ^2/NDF:24.4/25

All: 179.119+/-100.218 χ^2/NDF: 46.7/46



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 347.576+/-0.110 χ^2/NDF:645014.4/6

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: 350.105+/-0.082 χ^2/NDF: 959640.4/11

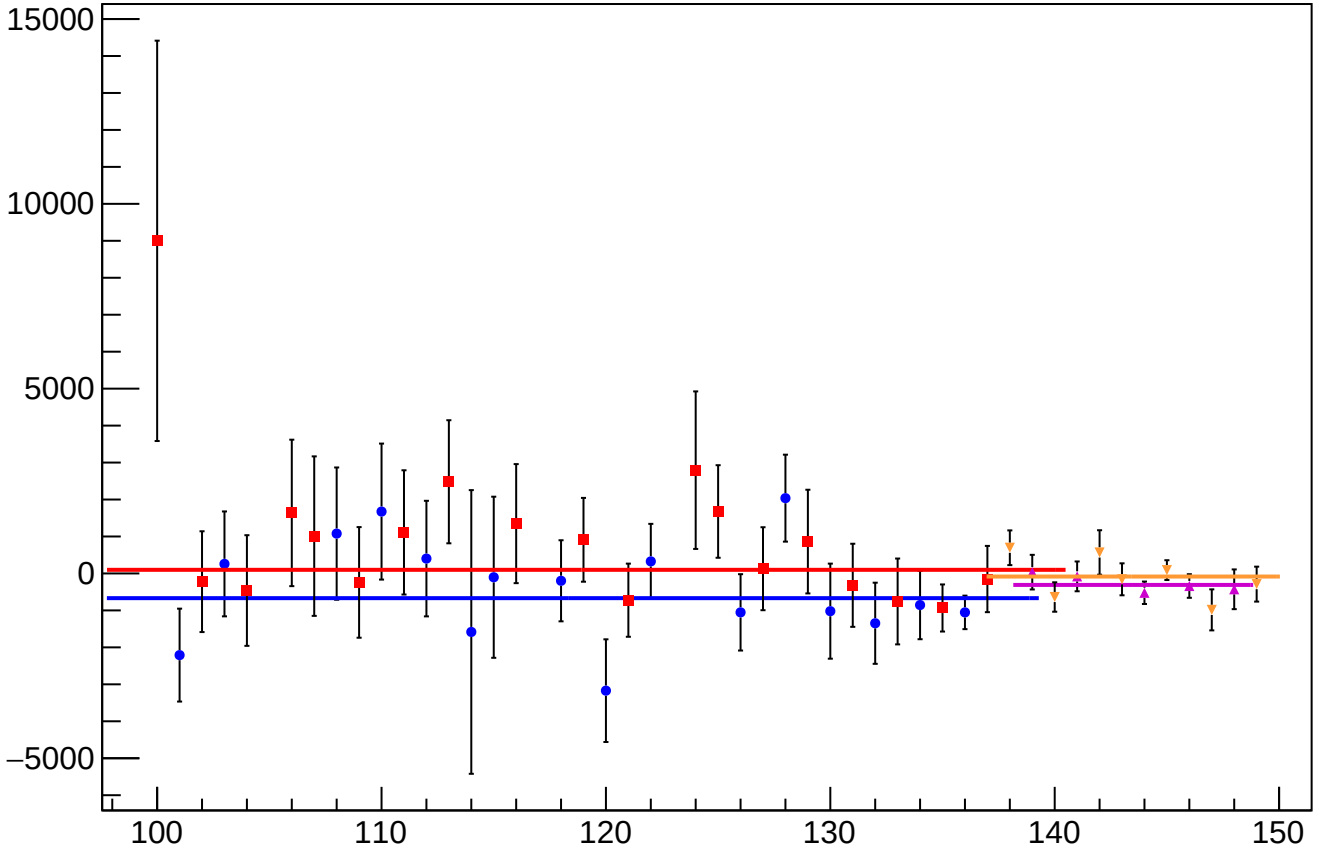
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 452.655+/-0.104 χ^2/NDF:4056508.2/20

Out: 437.733+/-0.097 χ^2/NDF:5109808.1/25

All: 444.627+/-0.071 χ^2/NDF: 9177337.5/46

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -83.791+/-156.933 χ^2/NDF:9.1/6

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: -188.511+/-115.140 χ^2/NDF: 11.5/11

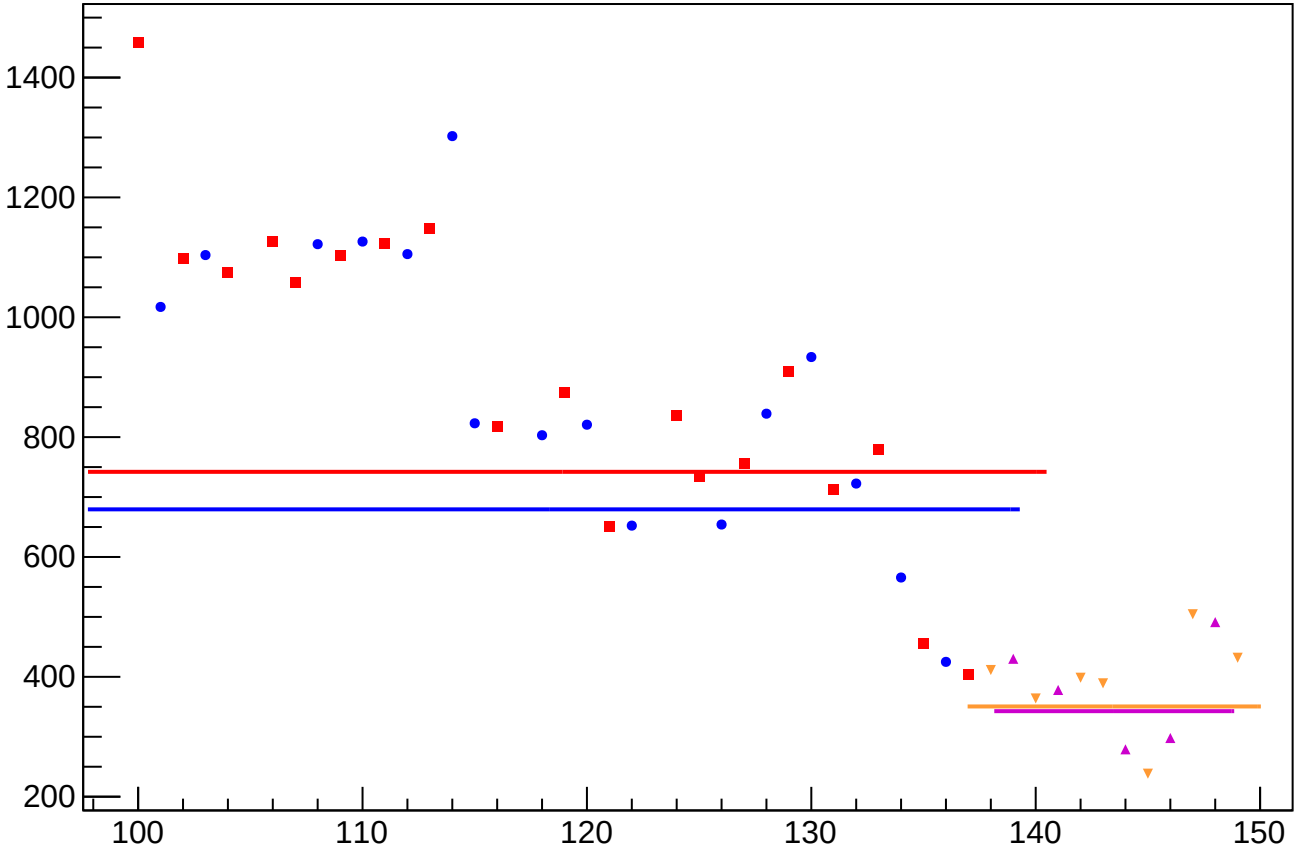
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -412.575+/-143.293 χ^2/NDF:18.8/20

Out: -41.695+/-137.568 χ^2/NDF:24.3/25

All: -219.579+/-99.237 χ^2/NDF: 46.6/46

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 350.566+/-0.111 χ^2/NDF:627565.7/6

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 342.723+/-0.120 χ^2/NDF:365173.7/4

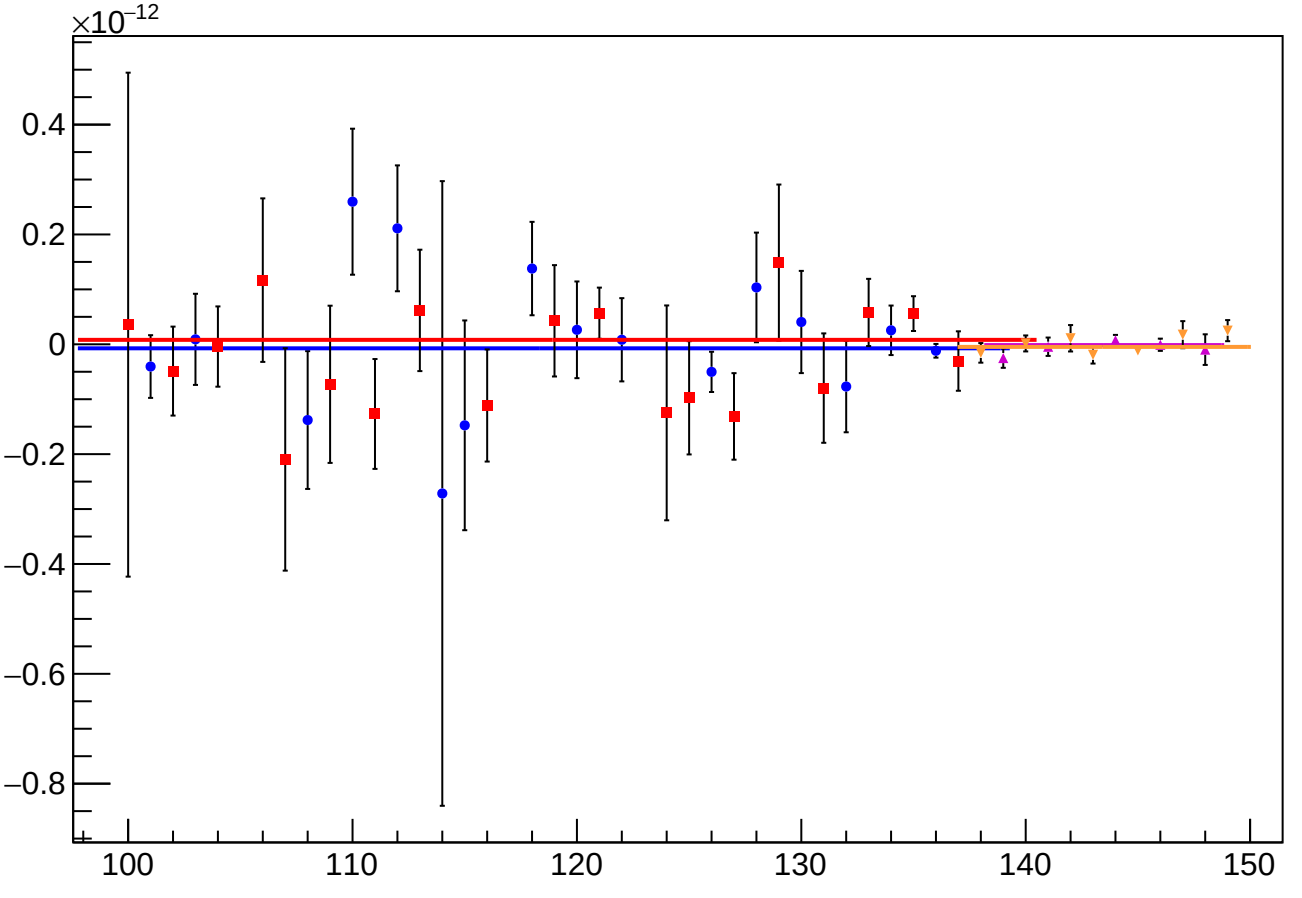
Left: 346.945+/-0.081 χ^2/NDF: 995045.8/11

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 438.666+/-0.101 χ^2/NDF:4216487.2/20

Out: 441.225+/-0.097 χ^2/NDF:5014415.2/25

All: 439.998+/-0.070 χ^2/NDF: 9231234.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/4

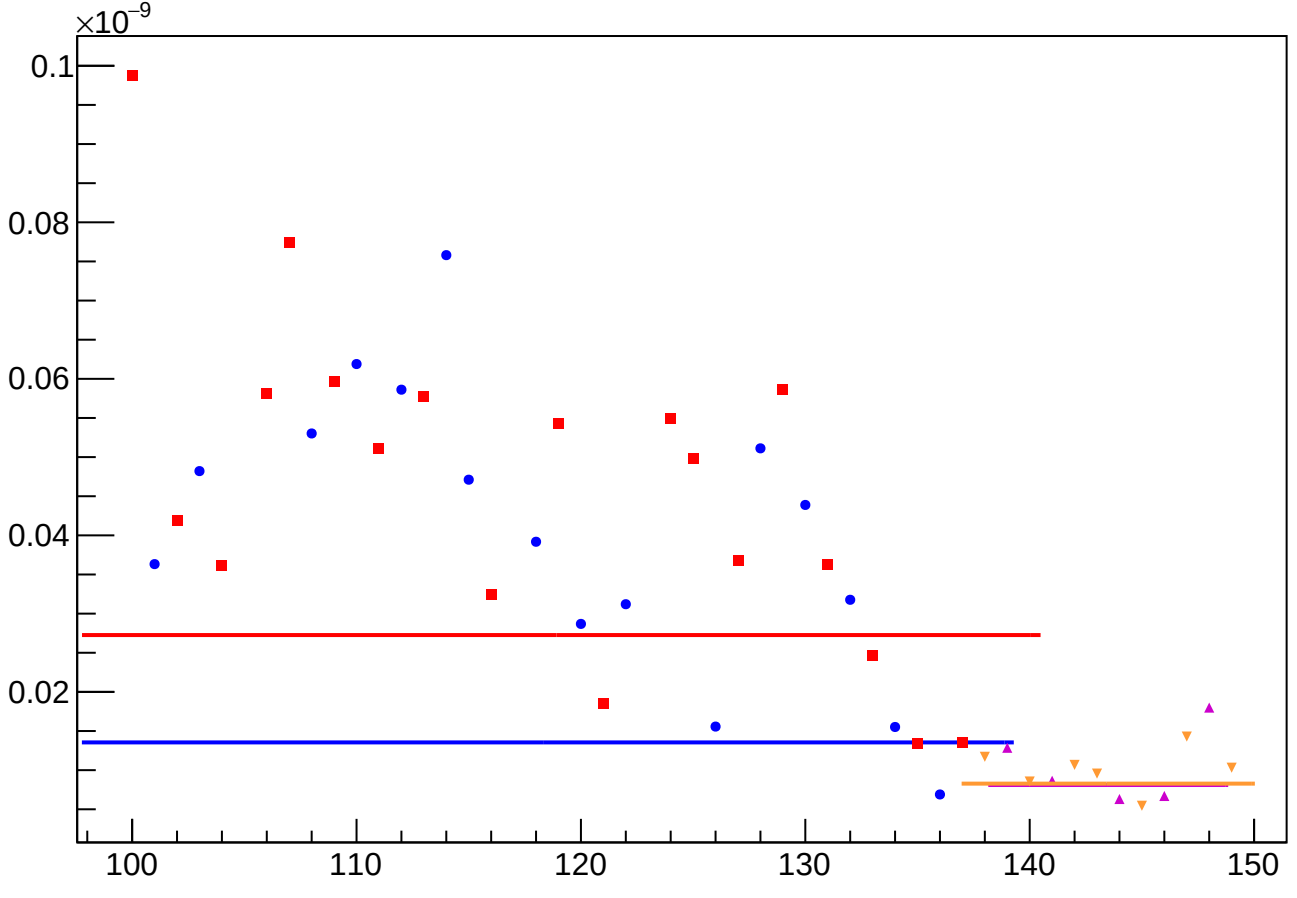
Left: -0.000+/-0.000 χ^2/NDF: 8.3/11

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:23.0/25

All: -0.000+/-0.000 χ^2/NDF: 43.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:455459.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:493977.6/4

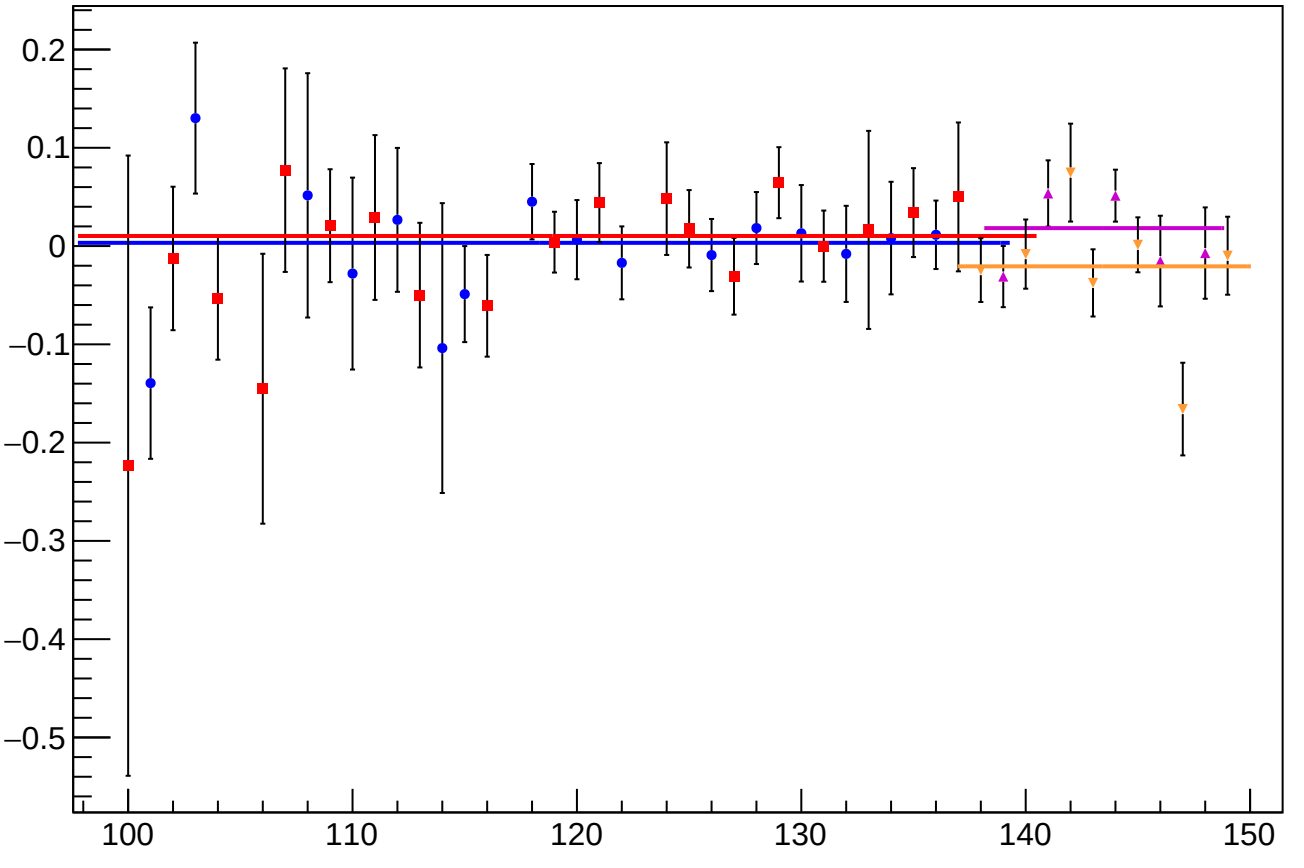
Left: 0.000+/-0.000 χ^2/NDF: 950326.4/11

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:4360036.7/25

All: 0.000+/-0.000 χ^2/NDF: 8315544.8/46



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.014 χ^2/NDF:14.2/6

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.018+/-0.015 χ^2/NDF:6.0/4

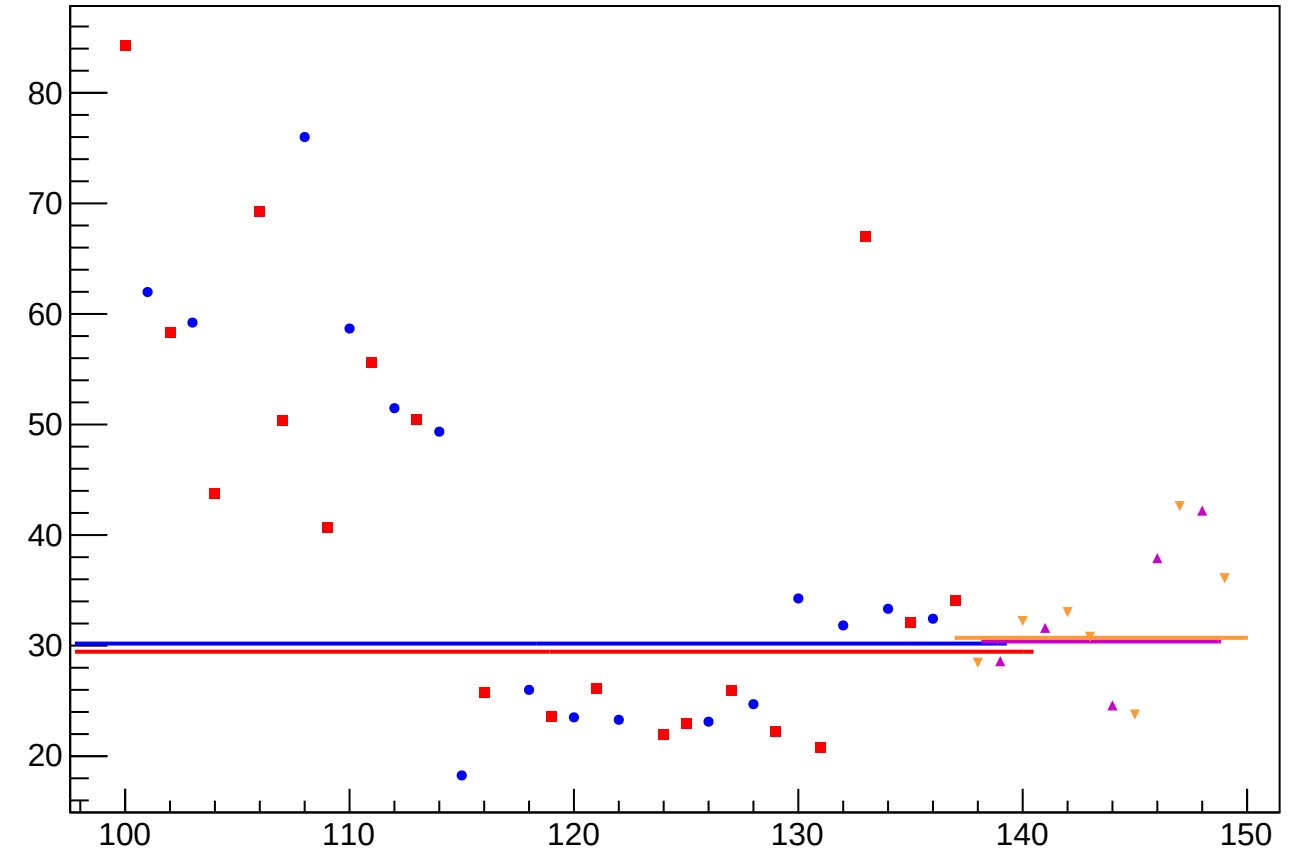
Left: -0.003+/-0.010 χ^2/NDF: 23.8/11

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:28.4/25

All: 0.003+/-0.007 χ^2/NDF: 46.0/46



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.706+/-0.010 χ^2/NDF:305626.9/6

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.5/4

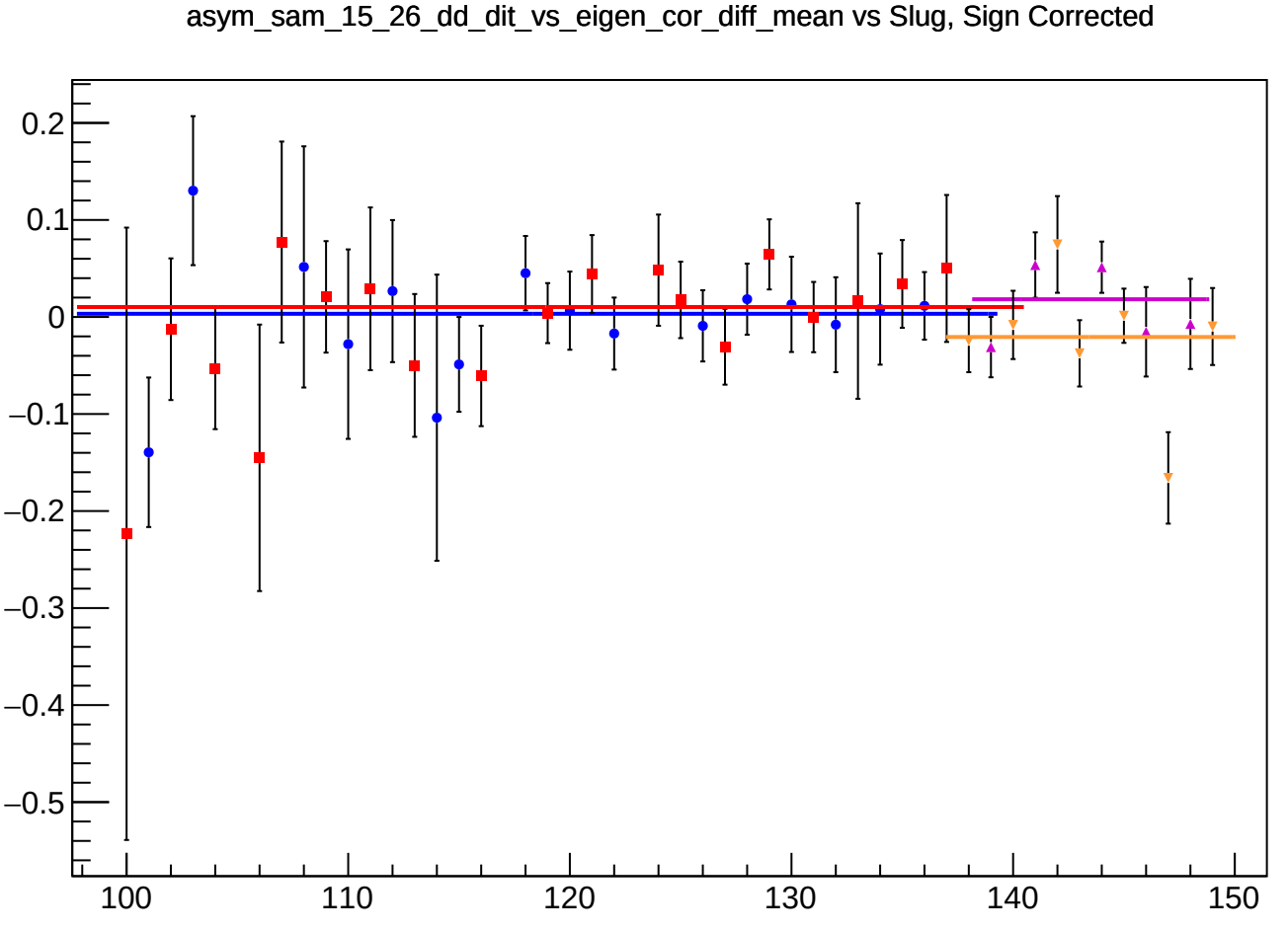
Left: 30.560+/-0.007 χ^2/NDF: 594165.3/11

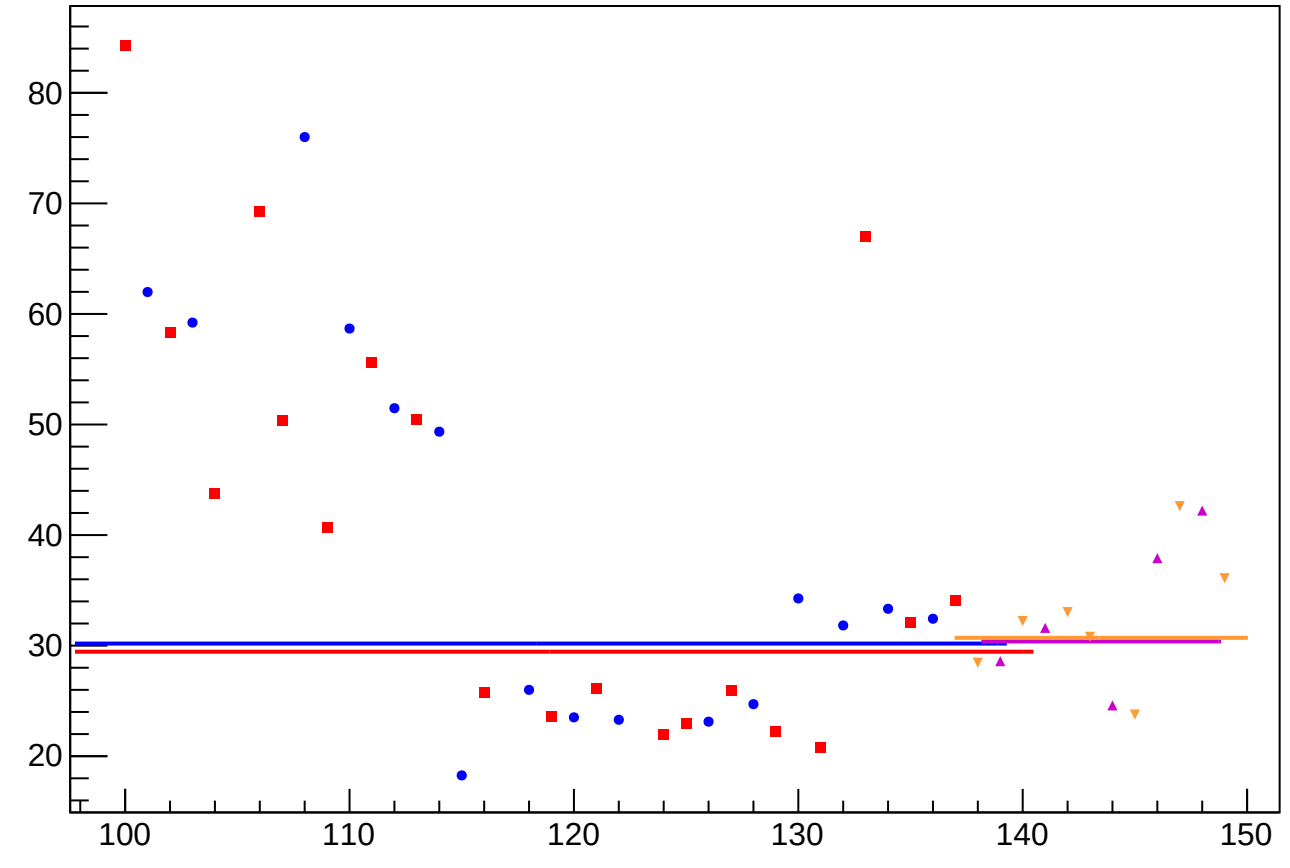
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.261+/-0.007 χ^2/NDF:1975579.1/20

Out: 29.990+/-0.006 χ^2/NDF:2163935.3/25

All: 30.116+/-0.005 χ^2/NDF: 4140373.2/46


asym_sam_15_26_dd_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: -0.021+/-0.014 χ²/NDF:14.2/6
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+/-0.010 χ²/NDF: 23.8/11
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:28.4/25
All: 0.003+/-0.007 χ²/NDF: 46.0/46



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 30.706+/-0.010 χ^2/NDF:305626.9/6

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.5/4

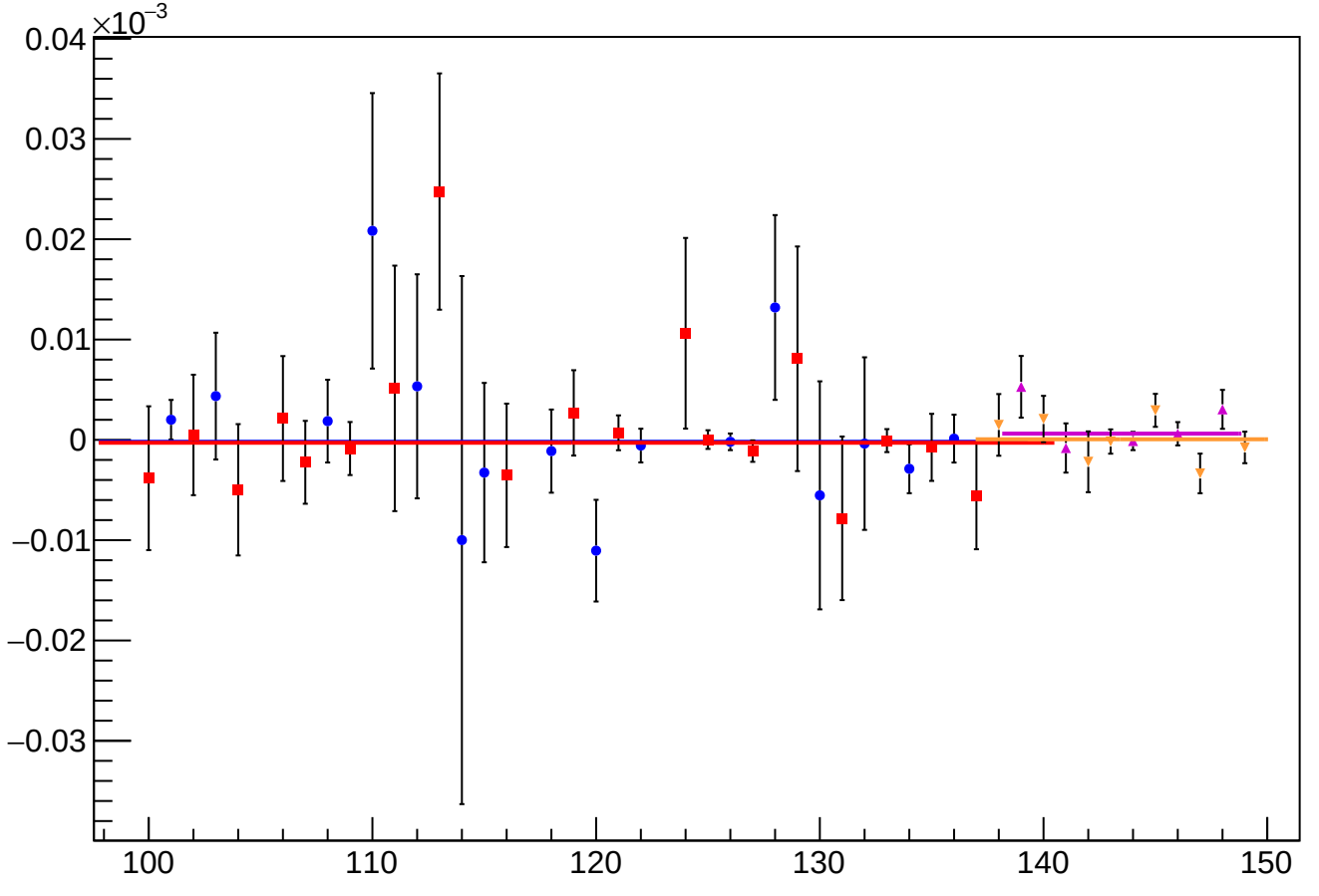
Left: 30.560+/-0.007 χ^2/NDF: 594165.3/11

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.261+/-0.007 χ^2/NDF:1975579.1/20

Out: 29.990+/-0.006 χ^2/NDF:2163935.3/25

All: 30.116+/-0.005 χ^2/NDF: 4140373.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/6

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/4

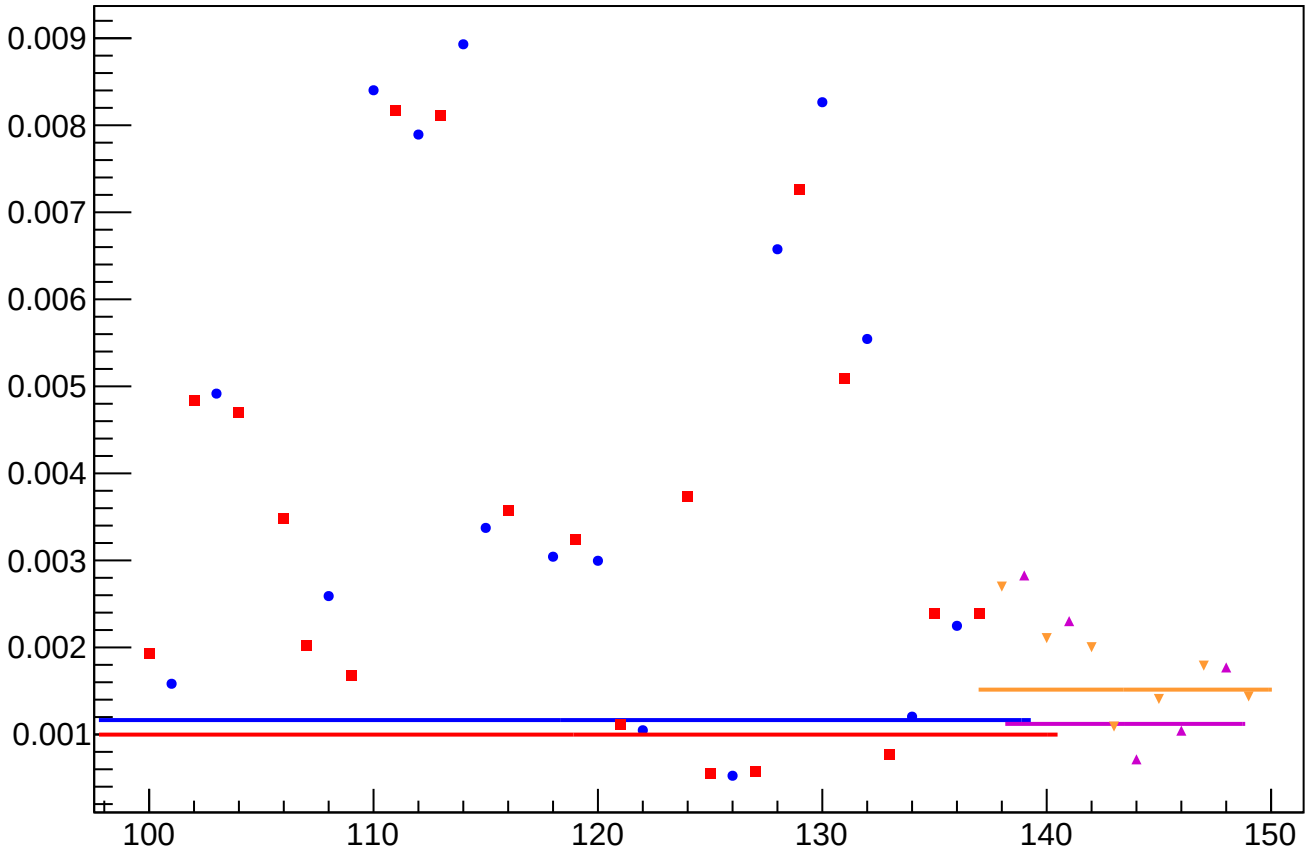
Left: 0.000+/-0.000 χ^2/NDF: 13.1/11

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:19.5/25

All: 0.000+/-0.000 χ^2/NDF: 38.6/46



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:777841.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1710211.9/4

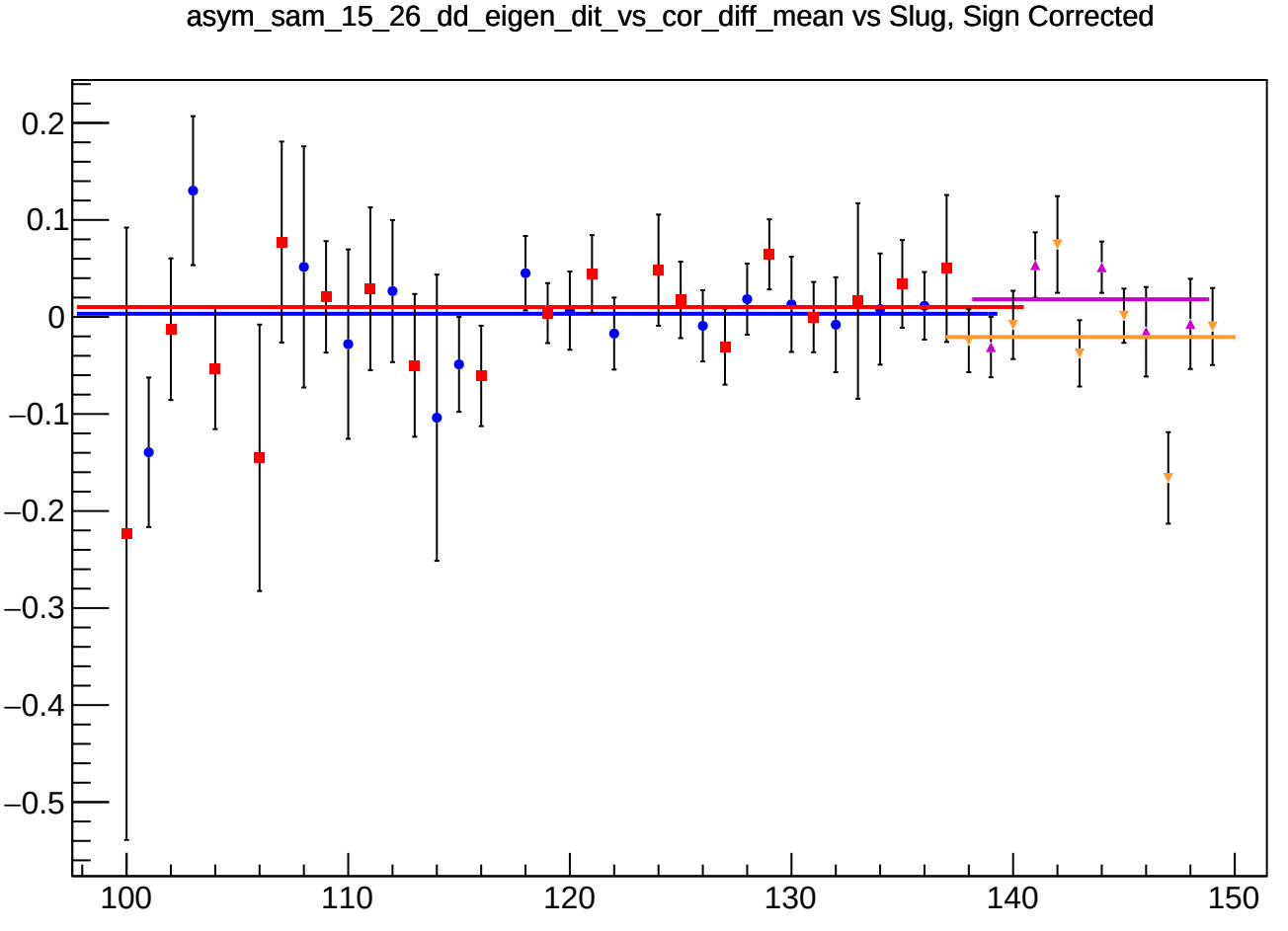
Left: 0.001+/-0.000 χ^2/NDF: 2842115.5/11

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

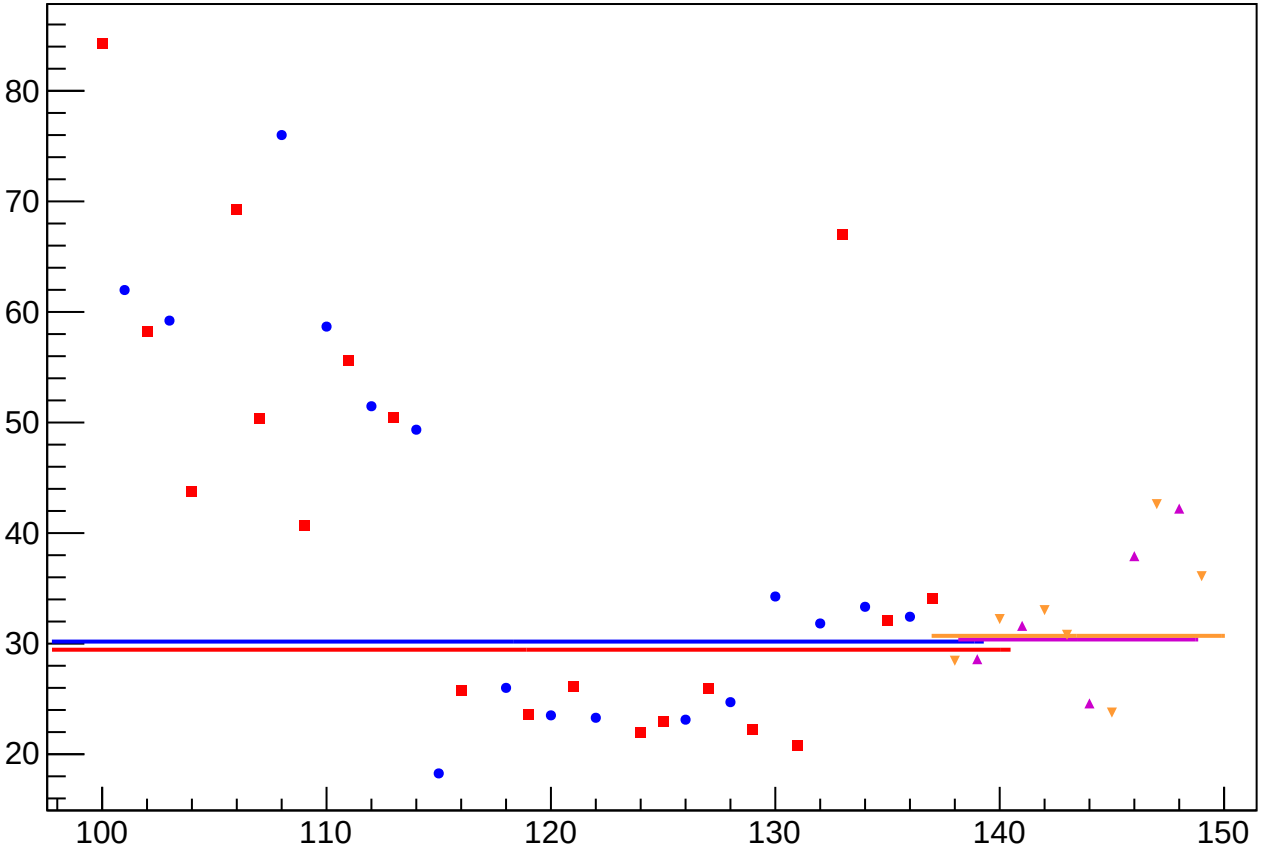
In: 0.001+/-0.000 χ^2/NDF:8596920.1/20

Out: 0.001+/-0.000 χ^2/NDF:8431397.6/25

All: 0.001+/-0.000 χ^2/NDF: 17038528.7/46


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: -0.021+/-0.014 χ²/NDF:14.2/6
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+/-0.010 χ²/NDF: 23.8/11
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:28.4/25
All: 0.003+/-0.007 χ²/NDF: 46.0/46

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.706+/-0.010 χ^2/NDF:305608.3/6

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.9/4

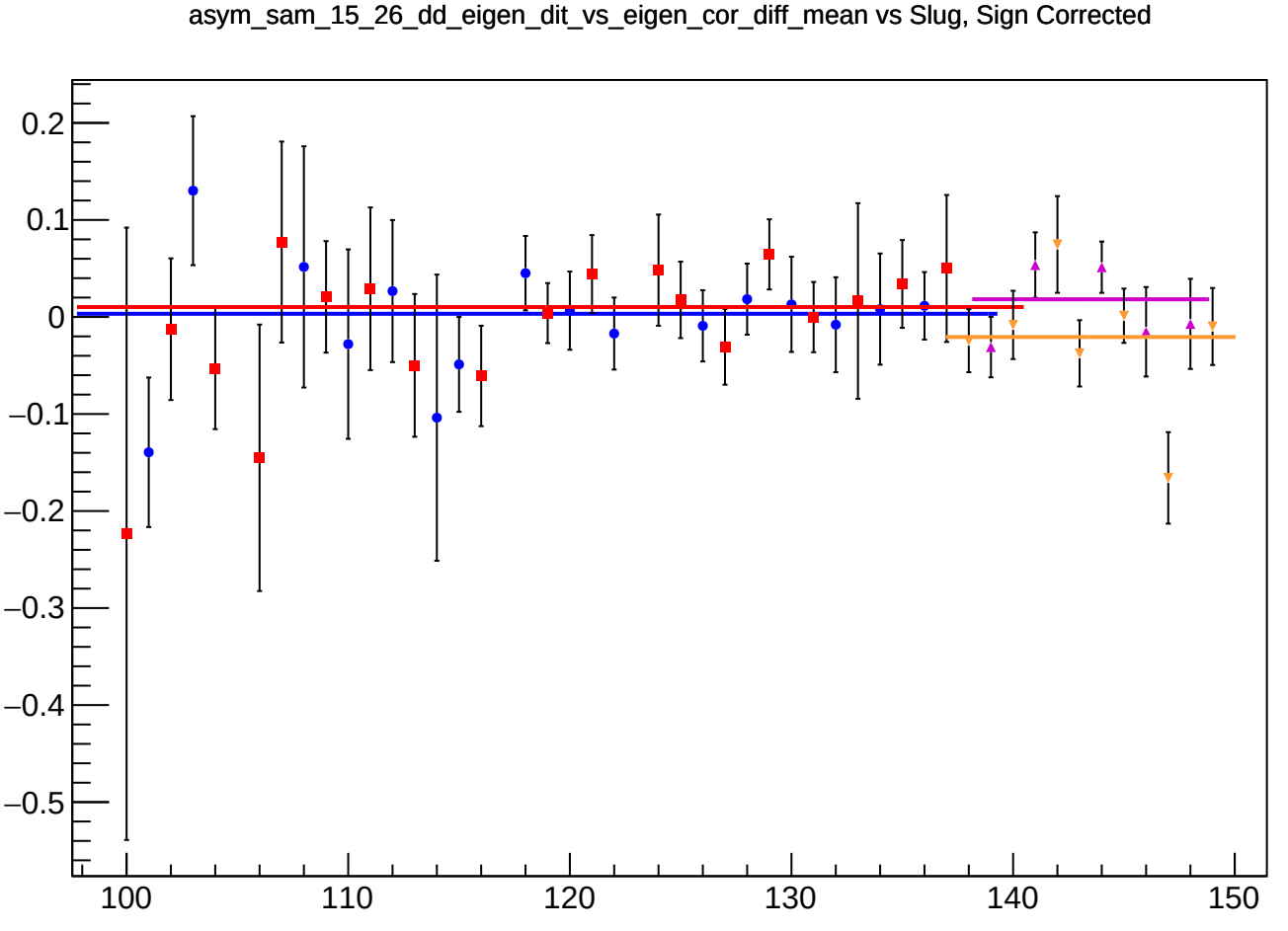
Left: 30.560+/-0.007 χ^2/NDF: 594147.1/11

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.261+/-0.007 χ^2/NDF:1975395.1/20

Out: 29.990+/-0.006 χ^2/NDF:2163929.2/25

All: 30.116+/-0.005 χ^2/NDF: 4140185.2/46



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.014 χ^2/NDF:14.2/6

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+/-0.010 χ^2/NDF: 23.8/11

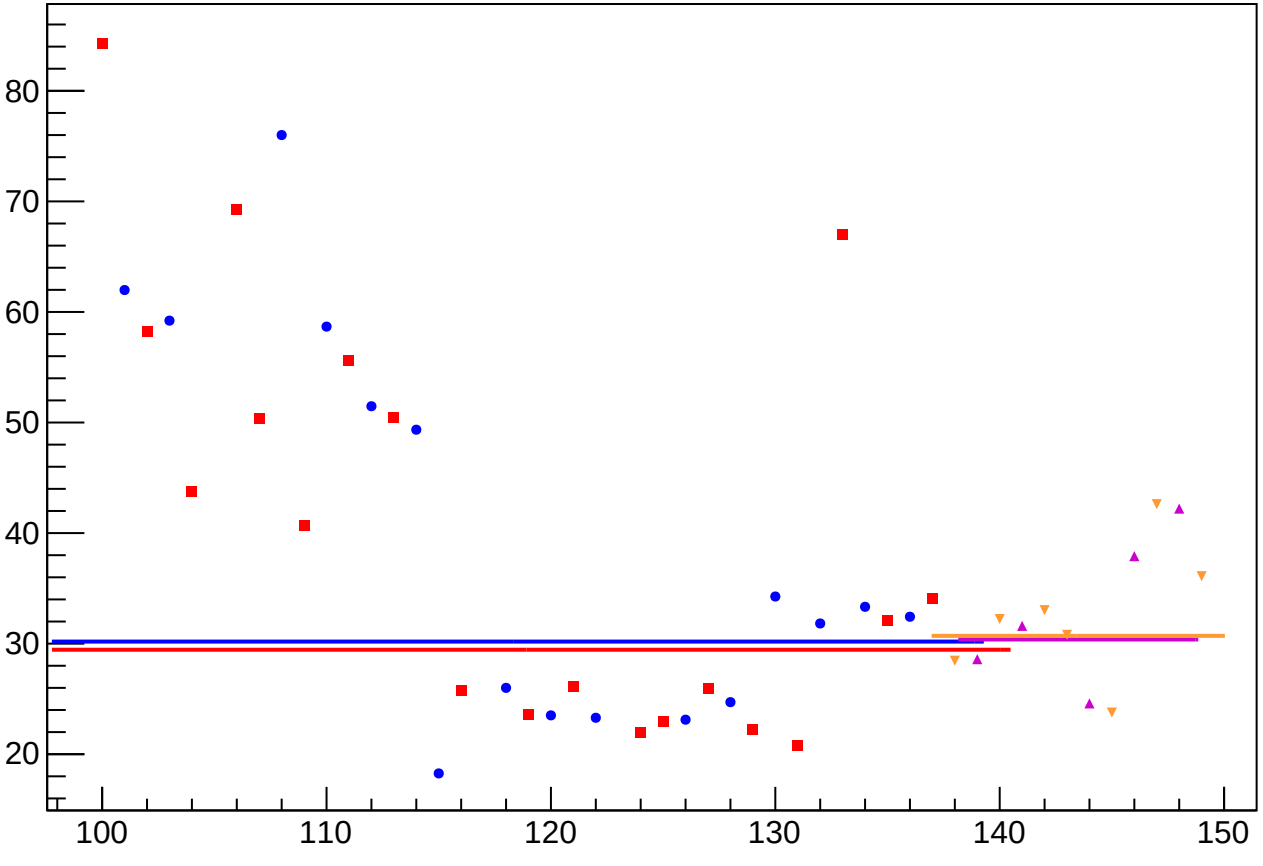
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.010 χ^2/NDF:16.7/20

Out: -0.003+/-0.009 χ^2/NDF:28.4/25

All: 0.003+/-0.007 χ^2/NDF: 46.0/46

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 30.706+/-0.010 χ^2/NDF:305608.3/6

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 30.376+/-0.011 χ^2/NDF:288019.9/4

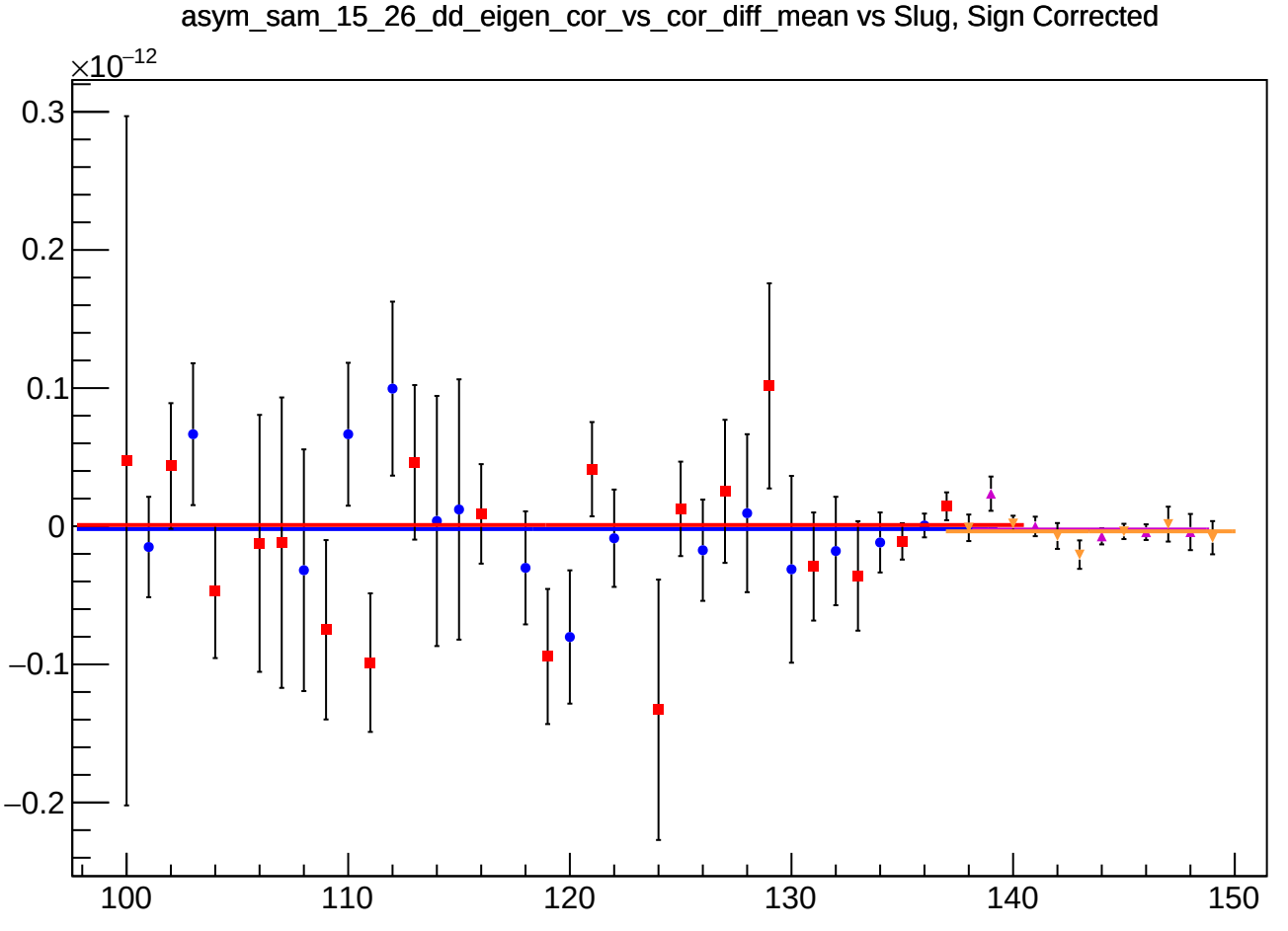
Left: 30.560+/-0.007 χ^2/NDF: 594147.1/11

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.261+/-0.007 χ^2/NDF:1975395.1/20

Out: 29.990+/-0.006 χ^2/NDF:2163929.2/25

All: 30.116+/-0.005 χ^2/NDF: 4140185.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/6

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: 9.6/11

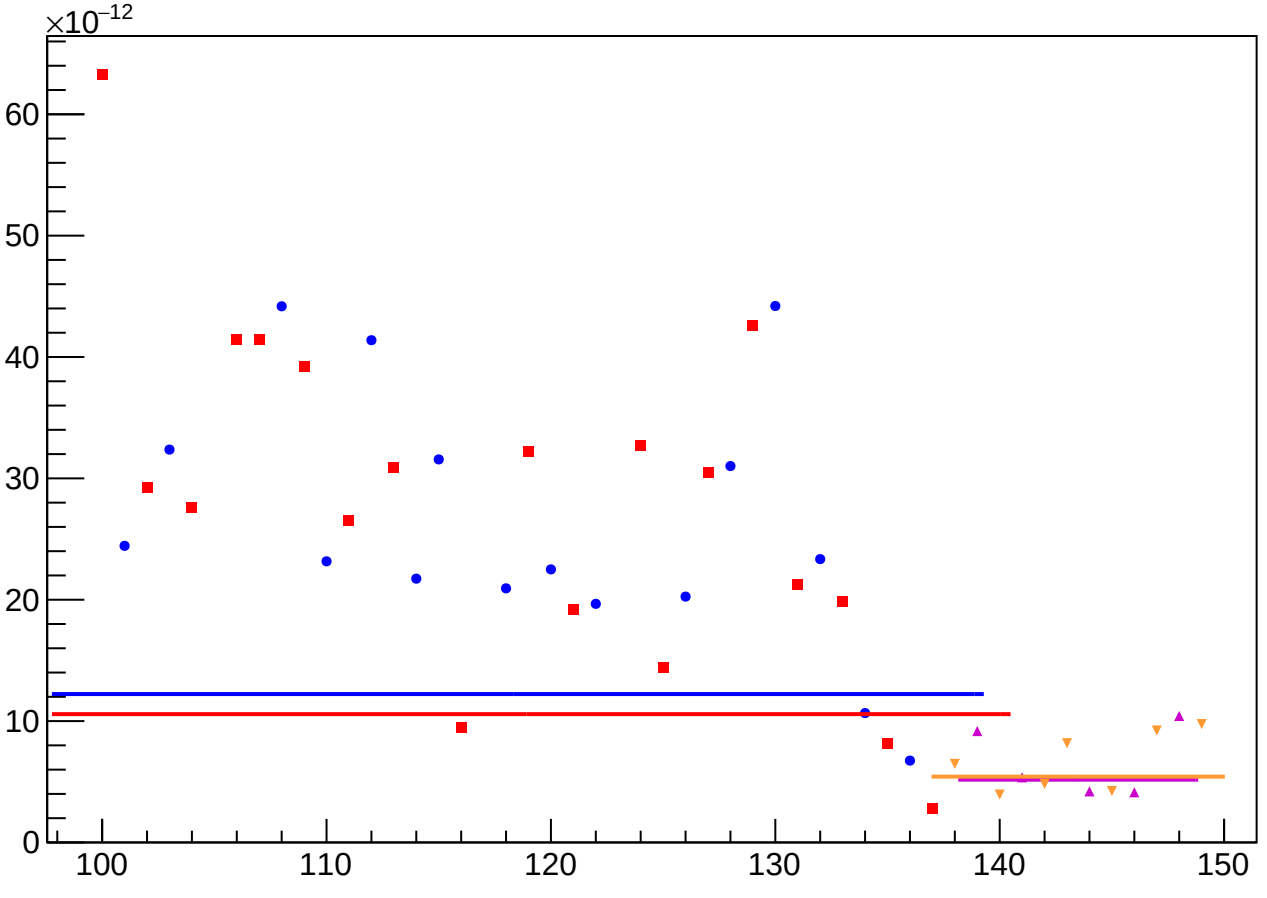
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:15.7/20

Out: -0.000+/-0.000 χ^2/NDF:26.0/25

All: -0.000+/-0.000 χ^2/NDF: 41.7/46

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:842612.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:653017.6/4

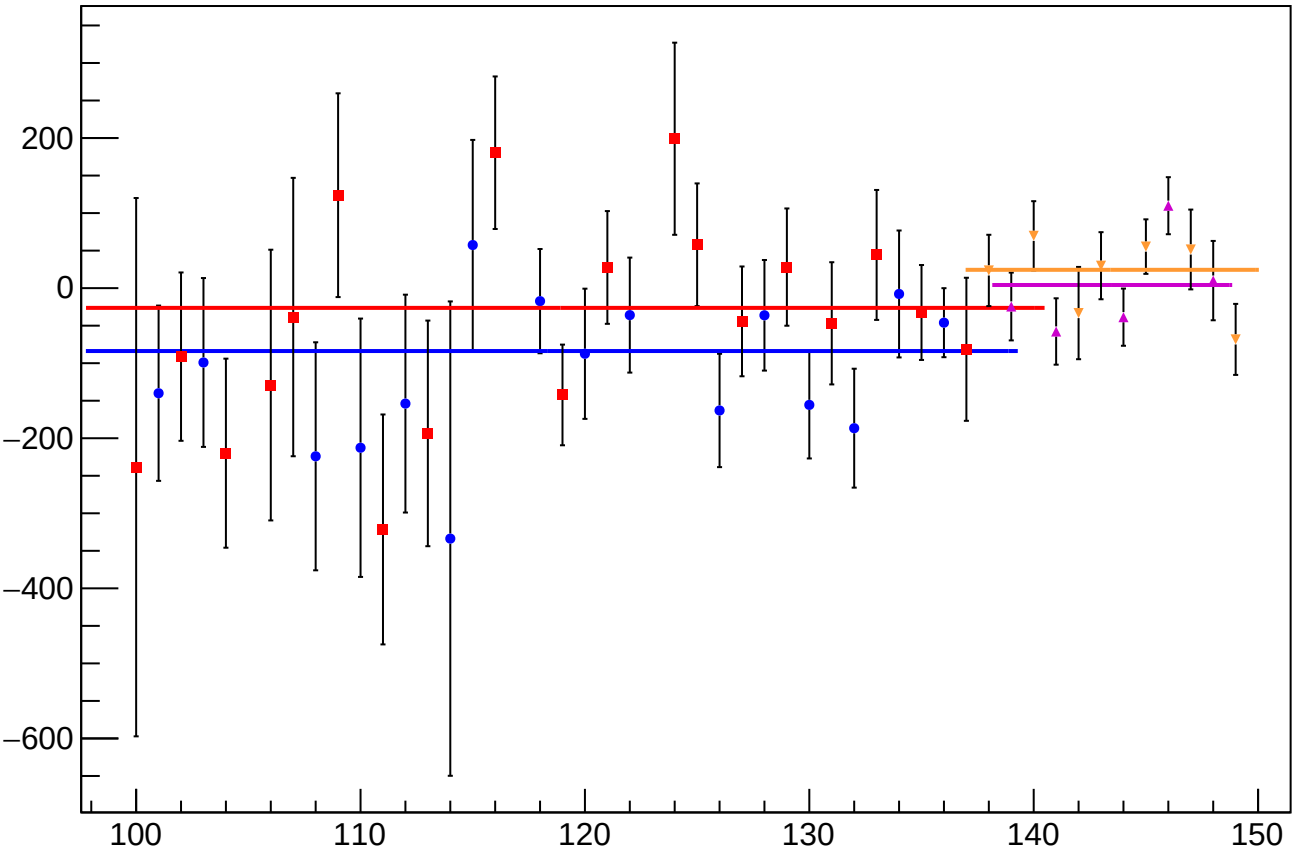
Left: 0.000+/-0.000 χ^2/NDF: 1501881.3/11

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:5828486.7/20

Out: 0.000+/-0.000 χ^2/NDF:6602628.0/25

All: 0.000+/-0.000 χ^2/NDF: 12435483.9/46



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 24.415+/-17.579 χ^2/NDF:6.7/6

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: 15.143+/-12.935 χ^2/NDF: 18.7/11

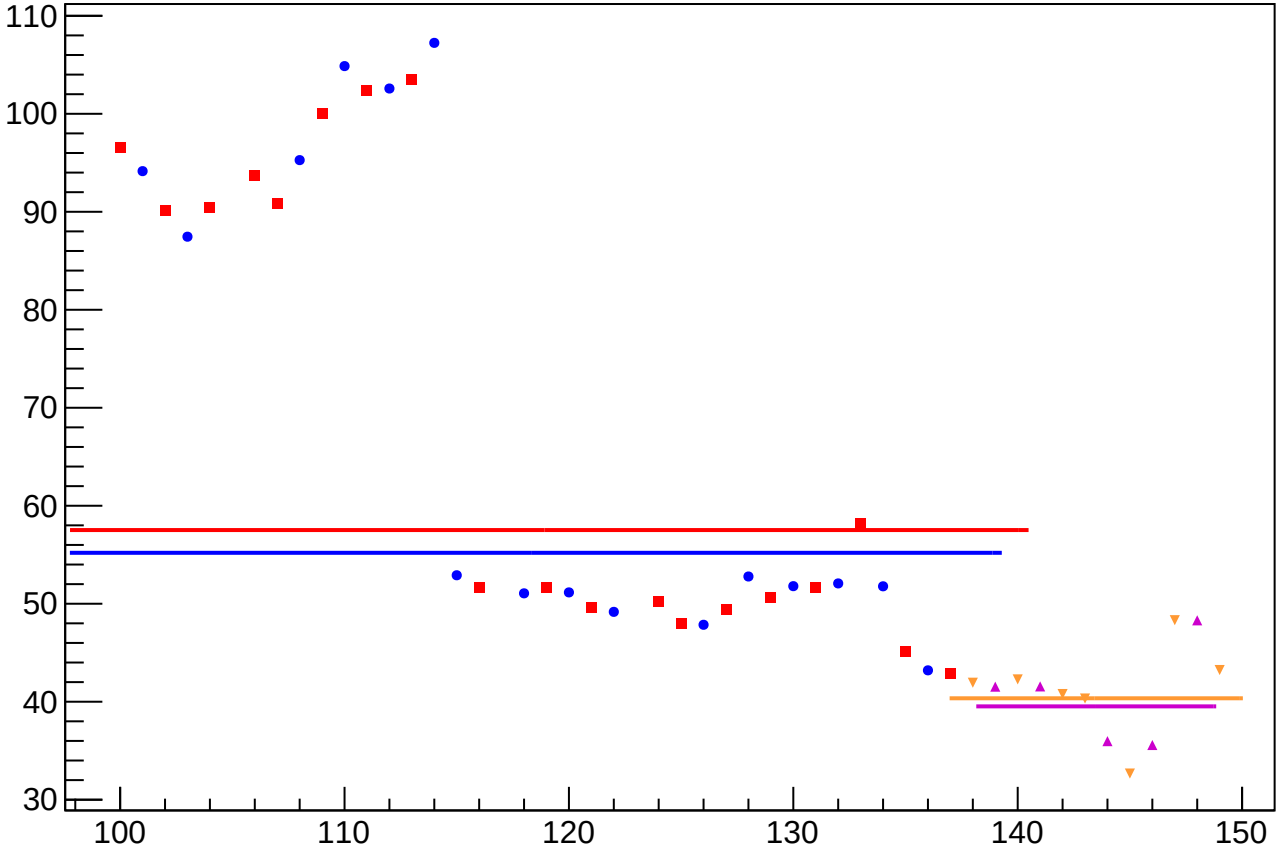
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -34.764+/-14.261 χ^2/NDF:31.3/20

Out: 4.726+/-13.749 χ^2/NDF:32.9/25

All: -14.298+/-9.898 χ^2/NDF: 68.2/46

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.350+/-0.012 χ^2/NDF:147596.3/6

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: 39.972+/-0.009 χ^2/NDF: 251897.7/11

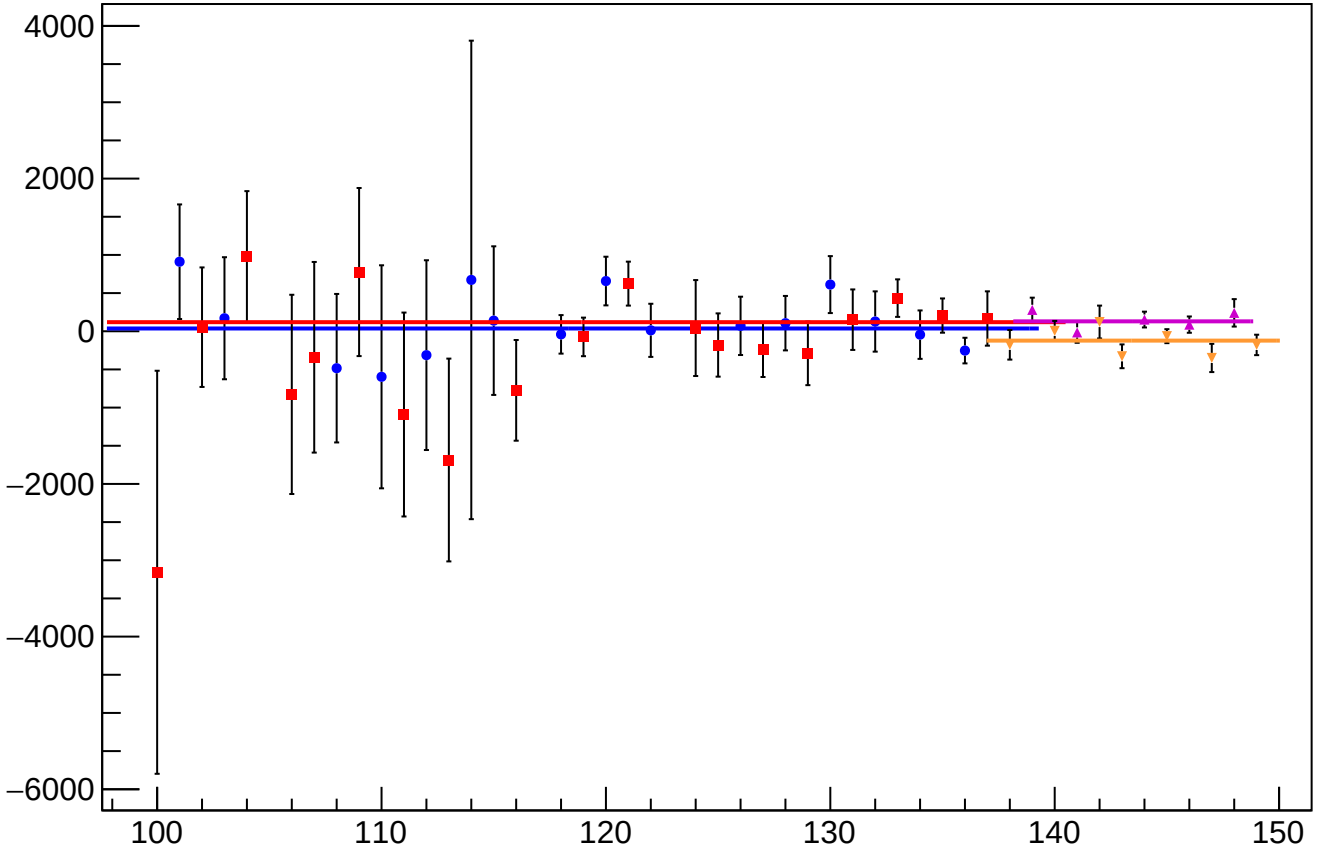
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 46.463+/-0.010 χ^2/NDF:1850767.8/20

Out: 47.016+/-0.010 χ^2/NDF:2170054.9/25

All: 46.750+/-0.007 χ^2/NDF: 4022378.0/46

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: -122.482+/-53.256 χ^2/NDF:6.1/6

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 129.808+/-57.269 χ^2/NDF:2.6/4

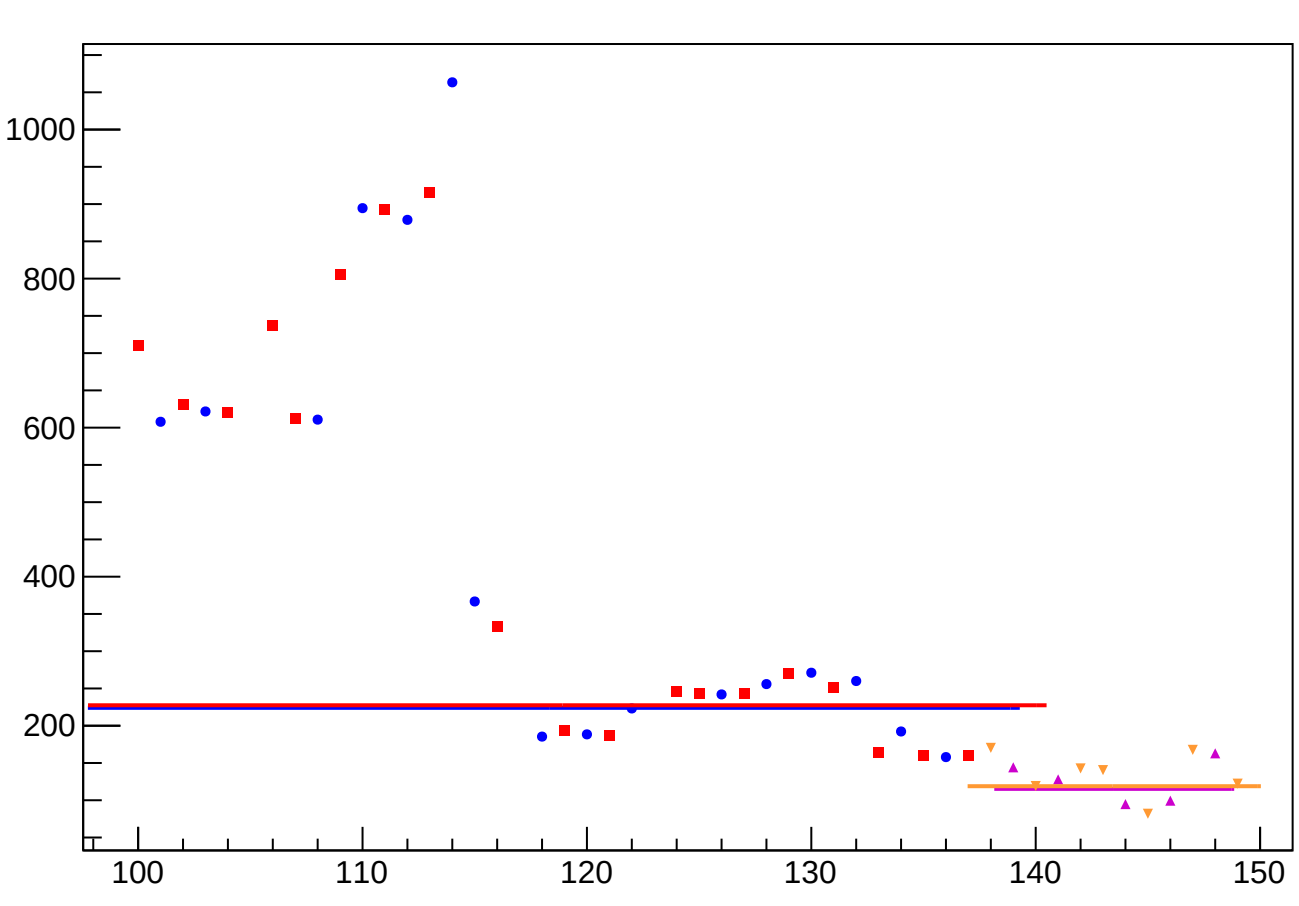
Left: -5.487+/-38.999 χ^2/NDF: 19.2/11

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 104.330+/-48.845 χ^2/NDF:14.7/20

Out: -65.466+/-46.551 χ^2/NDF:27.0/25

All: 15.350+/-33.698 χ^2/NDF: 48.1/46



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 118.842+/-0.038 χ^2/NDF:669837.1/6

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 115.279+/-0.040 χ^2/NDF:345405.0/4

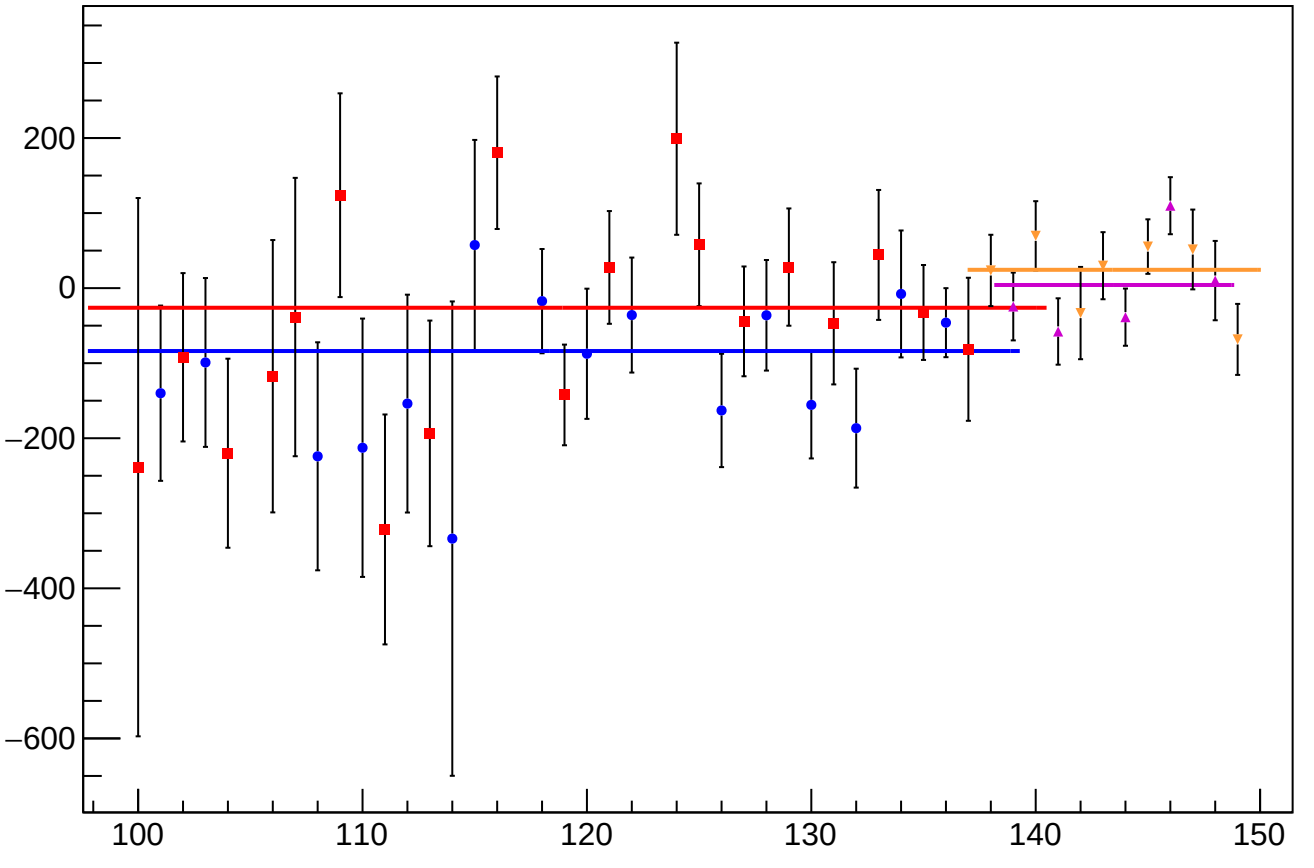
Left: 117.190+/-0.028 χ^2/NDF: 1019392.9/11

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 144.922+/-0.035 χ^2/NDF:5279476.5/20

Out: 144.468+/-0.033 χ^2/NDF:6273153.6/25

All: 144.684+/-0.024 χ^2/NDF: 11552720.6/46



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 24.414+/-17.579 χ^2/NDF:6.7/6

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: 15.141+/-12.935 χ^2/NDF: 18.7/11

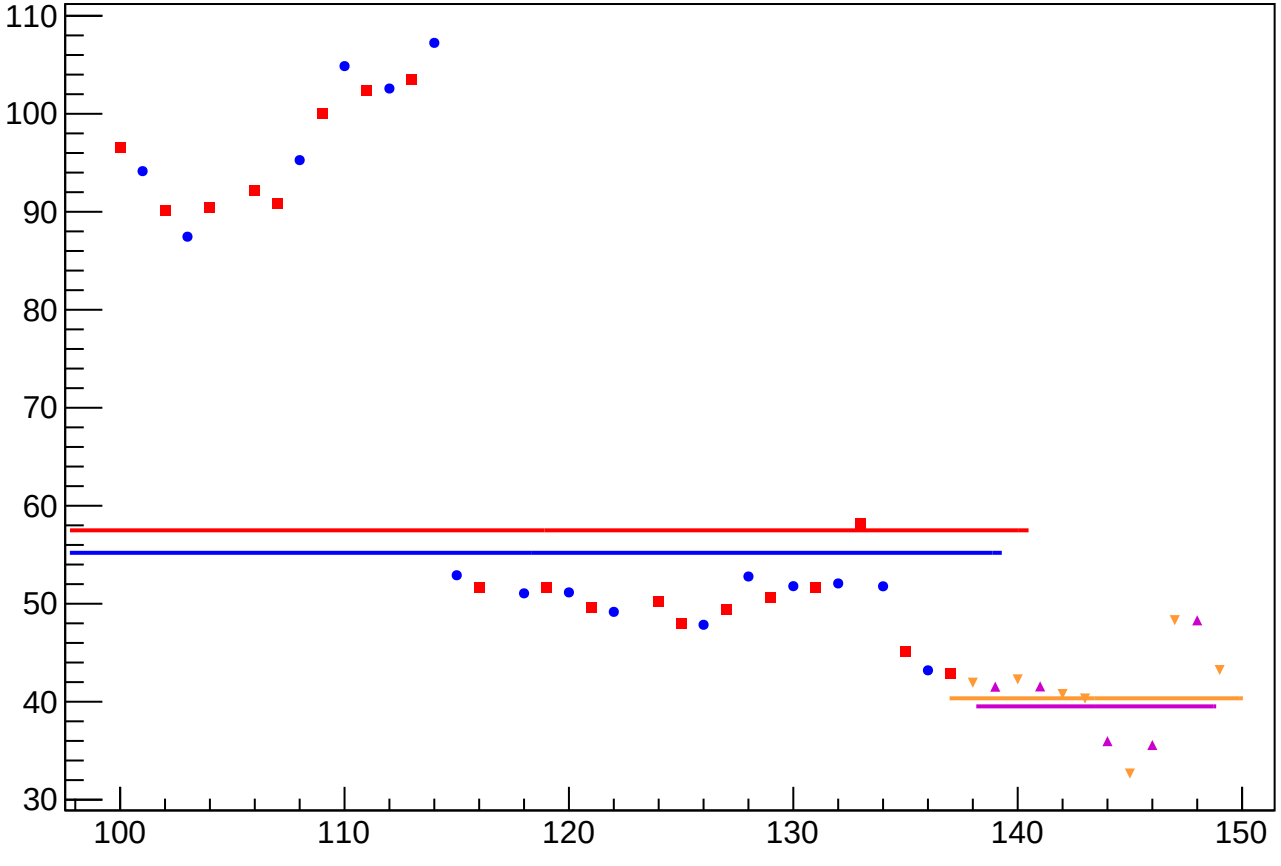
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -34.764+/-14.261 χ^2/NDF:31.3/20

Out: 4.789+/-13.750 χ^2/NDF:32.8/25

All: -14.265+/-9.898 χ^2/NDF: 68.1/46

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.350+/-0.012 χ^2/NDF:147596.3/6

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

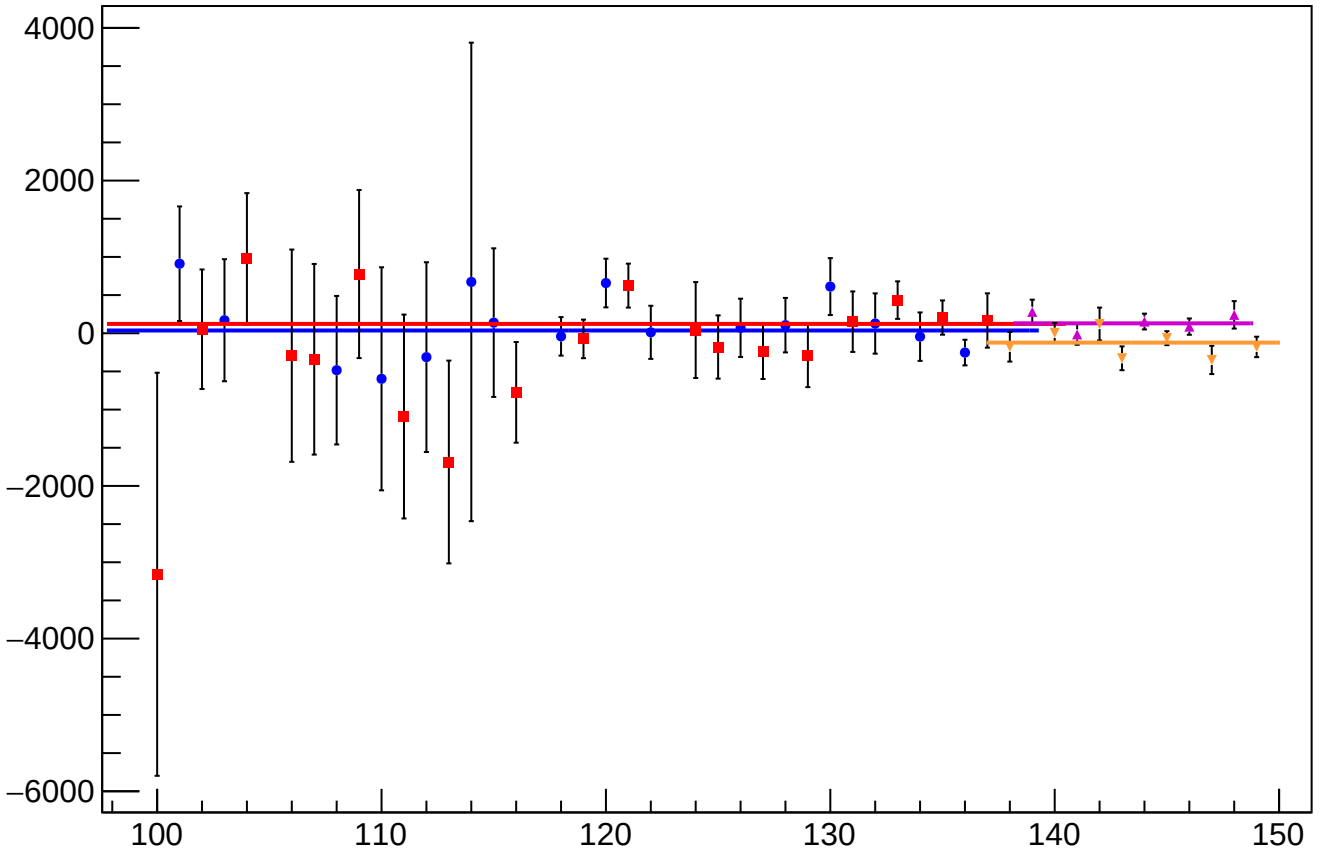
Left: 39.972+/-0.009 χ^2/NDF: 251897.7/11

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.463+/-0.010 χ^2/NDF:1850768.1/20

Out: 47.004+/-0.010 χ^2/NDF:2160073.6/25

All: 46.743+/-0.007 χ^2/NDF: 4012330.2/46



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.483+/-53.256 χ^2/NDF:6.1/6

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 129.806+/-57.269 χ^2/NDF:2.6/4

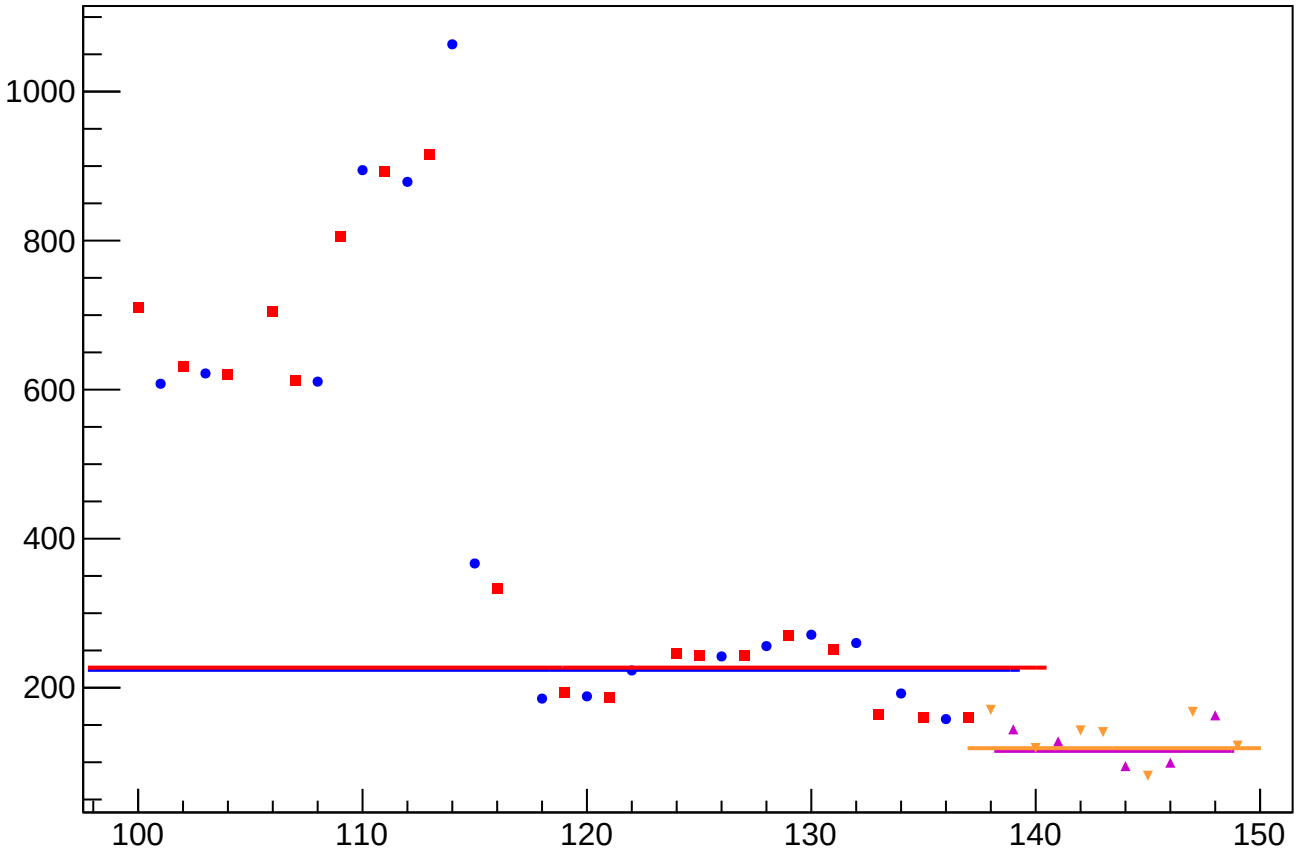
Left: -5.488+/-38.999 χ^2/NDF: 19.2/11

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 104.329+/-48.845 χ^2/NDF:14.7/20

Out: -64.759+/-46.554 χ^2/NDF:26.7/25

All: 15.727+/-33.700 χ^2/NDF: 47.7/46



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.842+/-0.038 χ^2/NDF:669842.2/6

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

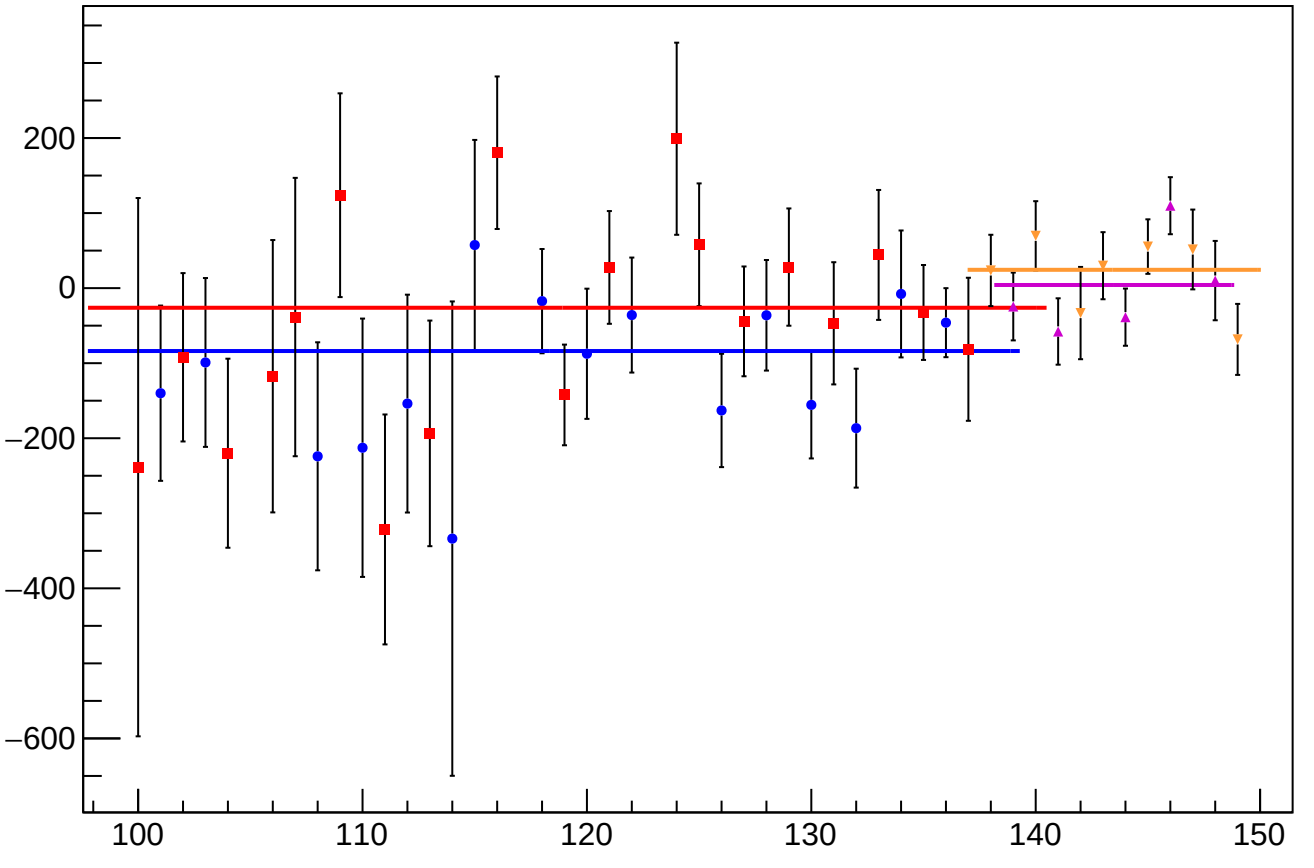
Left: 117.190+/-0.028 χ^2/NDF: 1019396.8/11

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 144.922+/-0.035 χ^2/NDF:5279489.9/20

Out: 144.342+/-0.033 χ^2/NDF:6186195.0/25

All: 144.618+/-0.024 χ^2/NDF: 11465832.6/46



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 24.414+/-17.579 χ^2/NDF:6.7/6

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 4.190+/-19.103 χ^2/NDF:11.4/4

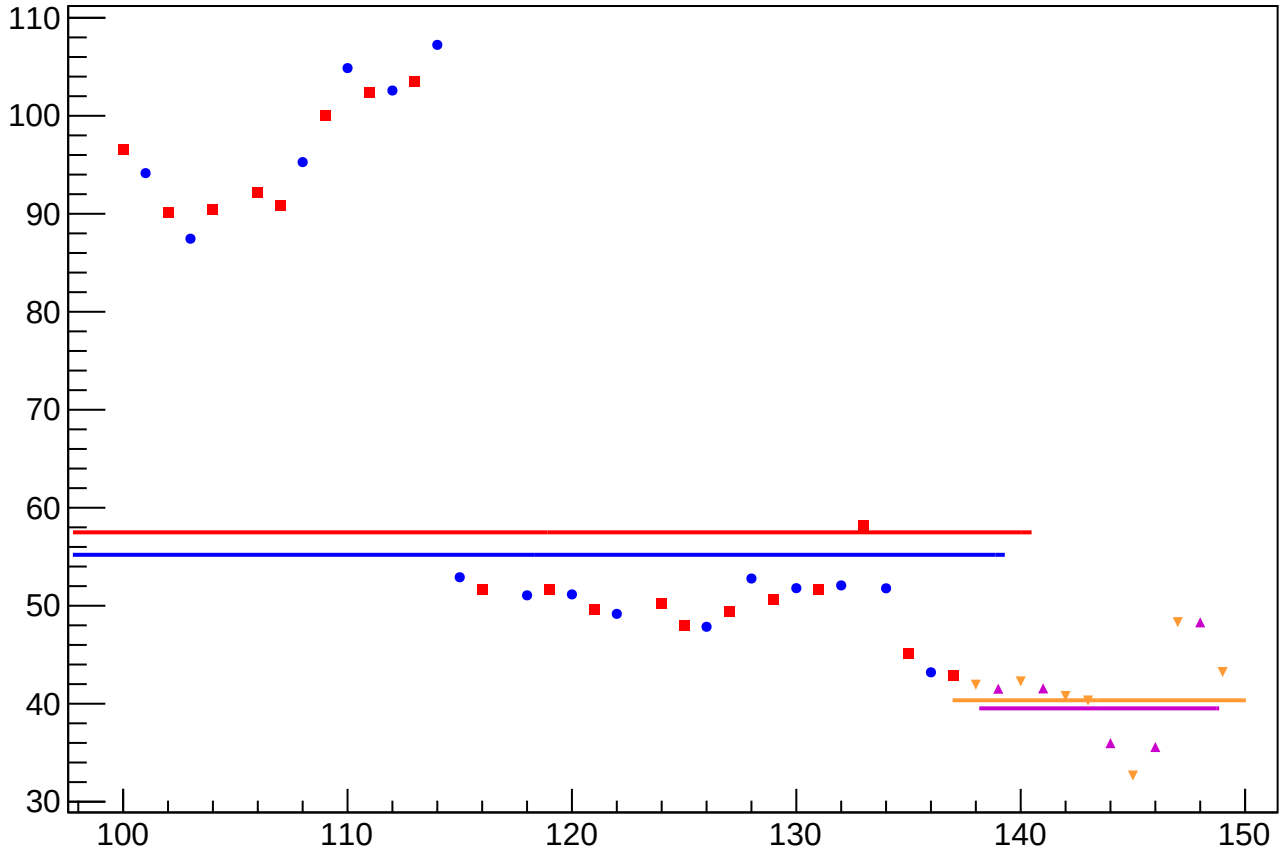
Left: 15.141+/-12.935 χ^2/NDF: 18.7/11

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -34.764+/-14.261 χ^2/NDF:31.3/20

Out: 4.789+/-13.750 χ^2/NDF:32.8/25

All: -14.265+/-9.898 χ^2/NDF: 68.1/46



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.350+/-0.012 χ^2/NDF:147596.3/6

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.525+/-0.014 χ^2/NDF:102281.1/4

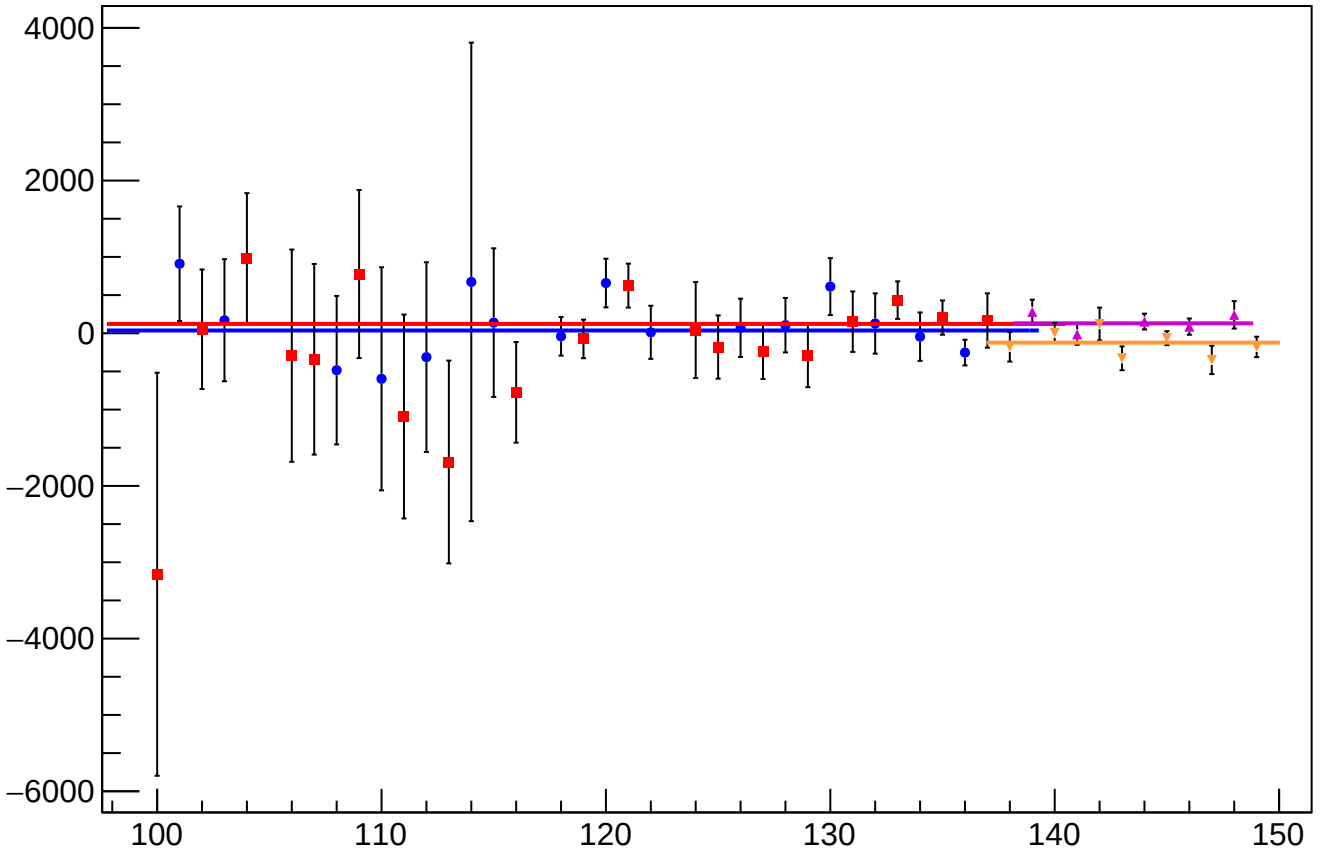
Left: 39.972+/-0.009 χ^2/NDF: 251897.7/11

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.463+/-0.010 χ^2/NDF:1850768.1/20

Out: 47.004+/-0.010 χ^2/NDF:2160073.6/25

All: 46.743+/-0.007 χ^2/NDF: 4012330.2/46



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.483+/-53.256 χ^2/NDF:6.1/6

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 129.806+/-57.269 χ^2/NDF:2.6/4

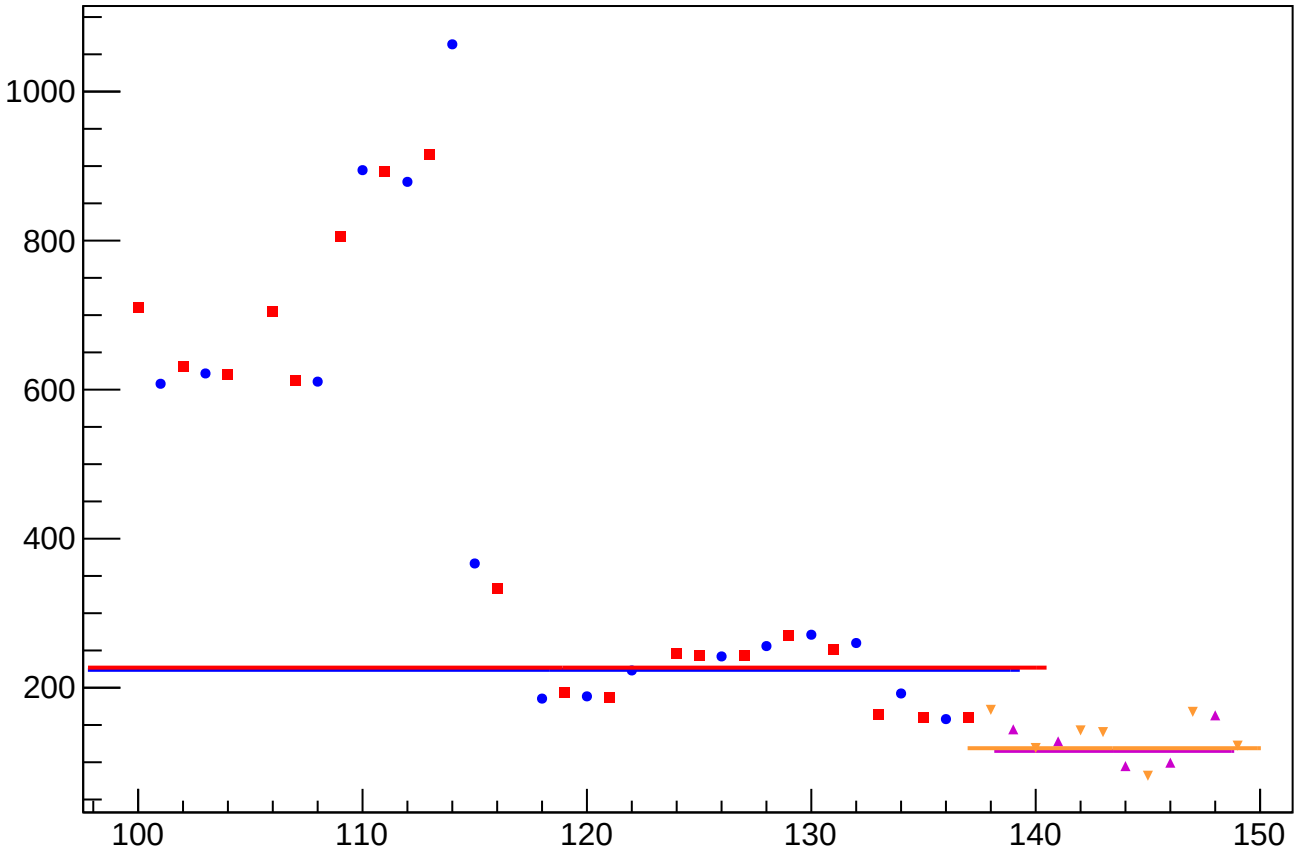
Left: -5.488+/-38.999 χ^2/NDF: 19.2/11

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 104.329+/-48.845 χ^2/NDF:14.7/20

Out: -64.759+/-46.554 χ^2/NDF:26.7/25

All: 15.727+/-33.700 χ^2/NDF: 47.7/46



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.842+/-0.038 χ^2/NDF:669842.2/6

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 115.279+/-0.040 χ^2/NDF:345403.4/4

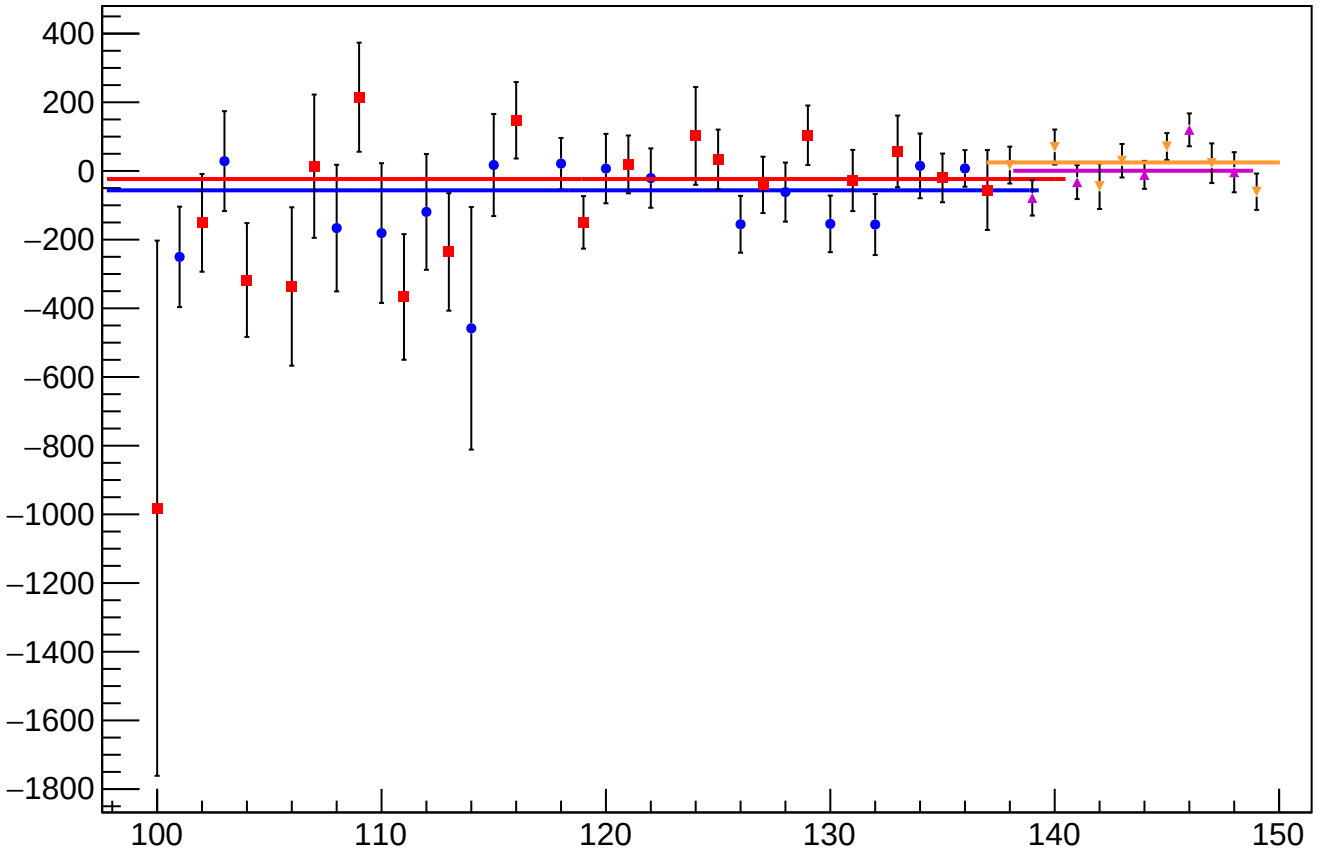
Left: 117.190+/-0.028 χ^2/NDF: 1019396.8/11

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 144.922+/-0.035 χ^2/NDF:5279489.9/20

Out: 144.342+/-0.033 χ^2/NDF:6186195.0/25

All: 144.618+/-0.024 χ^2/NDF: 11465832.6/46



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 24.827+/-19.280 χ^2/NDF:5.9/6

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 0.612+/-21.693 χ^2/NDF:9.1/4

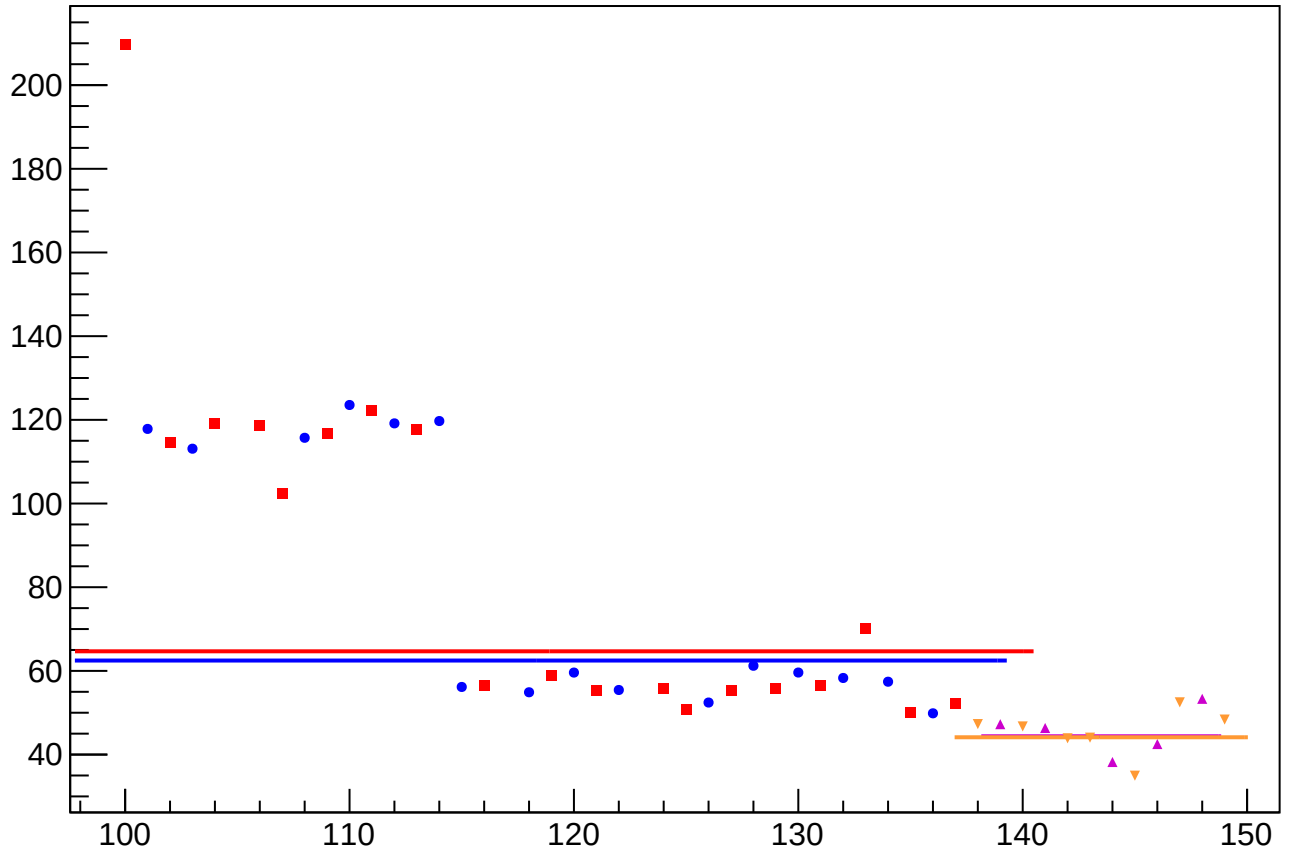
Left: 14.141+/-14.411 χ^2/NDF: 15.7/11

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -24.460+/-16.238 χ^2/NDF:24.4/20

Out: 6.950+/-15.304 χ^2/NDF:32.3/25

All: -7.825+/-11.137 χ^2/NDF: 58.7/46



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.134+/-0.014 χ^2/NDF:176983.3/6

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: 44.241+/-0.010 χ^2/NDF: 282560.1/11

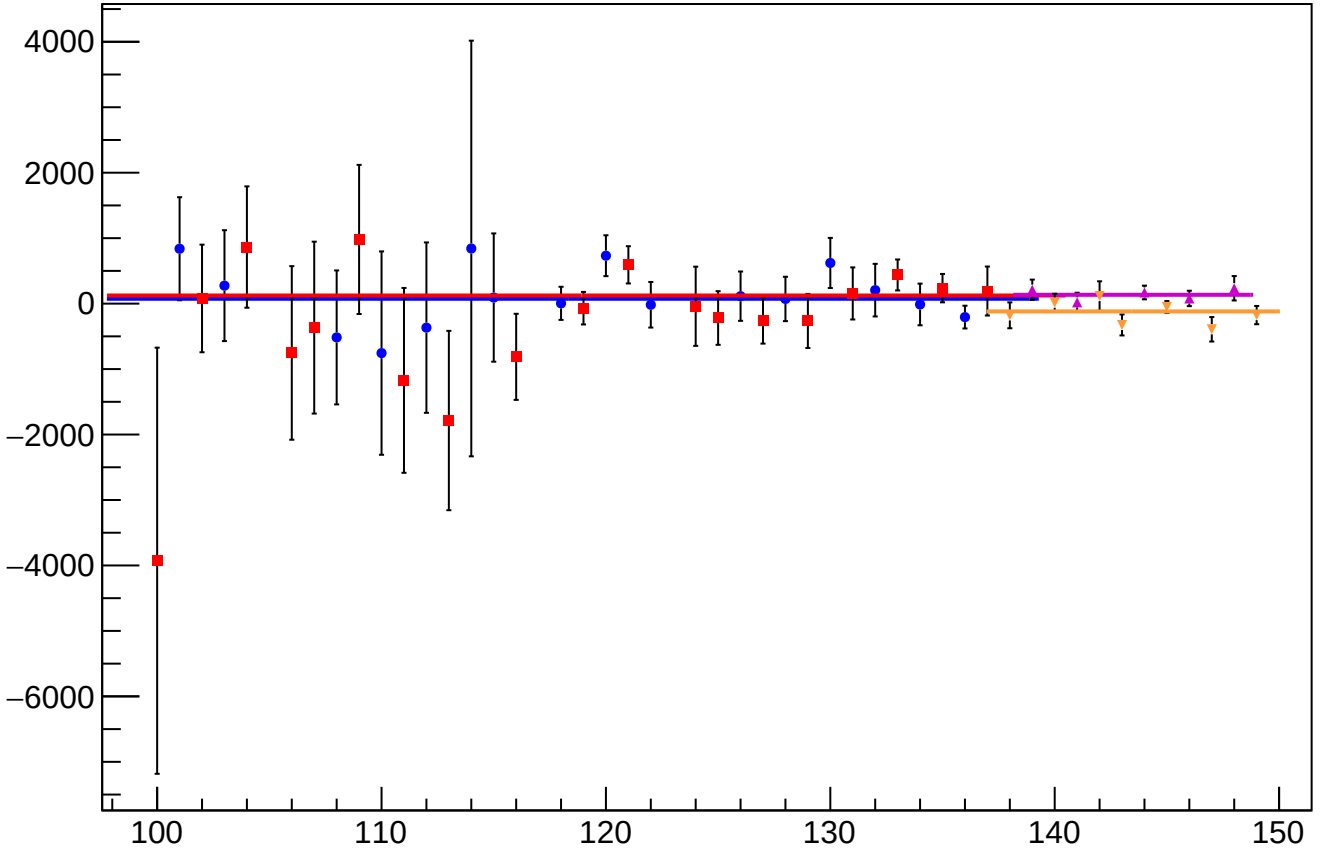
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 52.334+/-0.011 χ^2/NDF:2065673.4/20

Out: 51.735+/-0.011 χ^2/NDF:2607720.9/25

All: 52.017+/-0.008 χ^2/NDF: 4674833.6/46

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -119.156+/-54.102 χ^2/NDF:6.7/6

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 134.622+/-59.651 χ^2/NDF:1.5/4

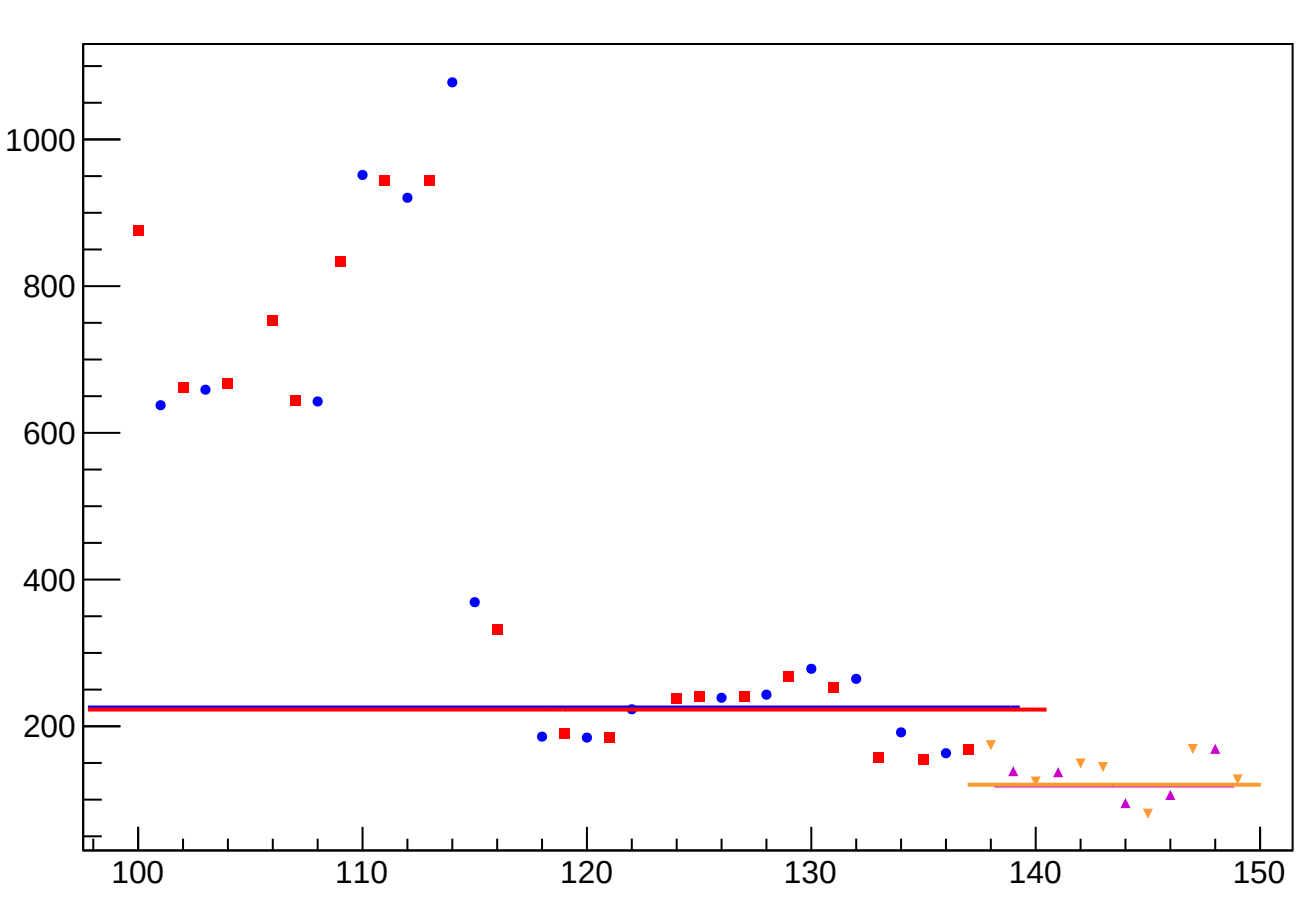
Left: -4.618+/-40.074 χ^2/NDF: 18.1/11

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 117.432+/-50.441 χ^2/NDF:13.0/20

Out: -59.241+/-46.972 χ^2/NDF:28.0/25

All: 22.812+/-34.375 χ^2/NDF: 47.6/46



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 120.346+/-0.038 χ^2/NDF:756607.1/6

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 119.249+/-0.042 χ^2/NDF:336311.2/4

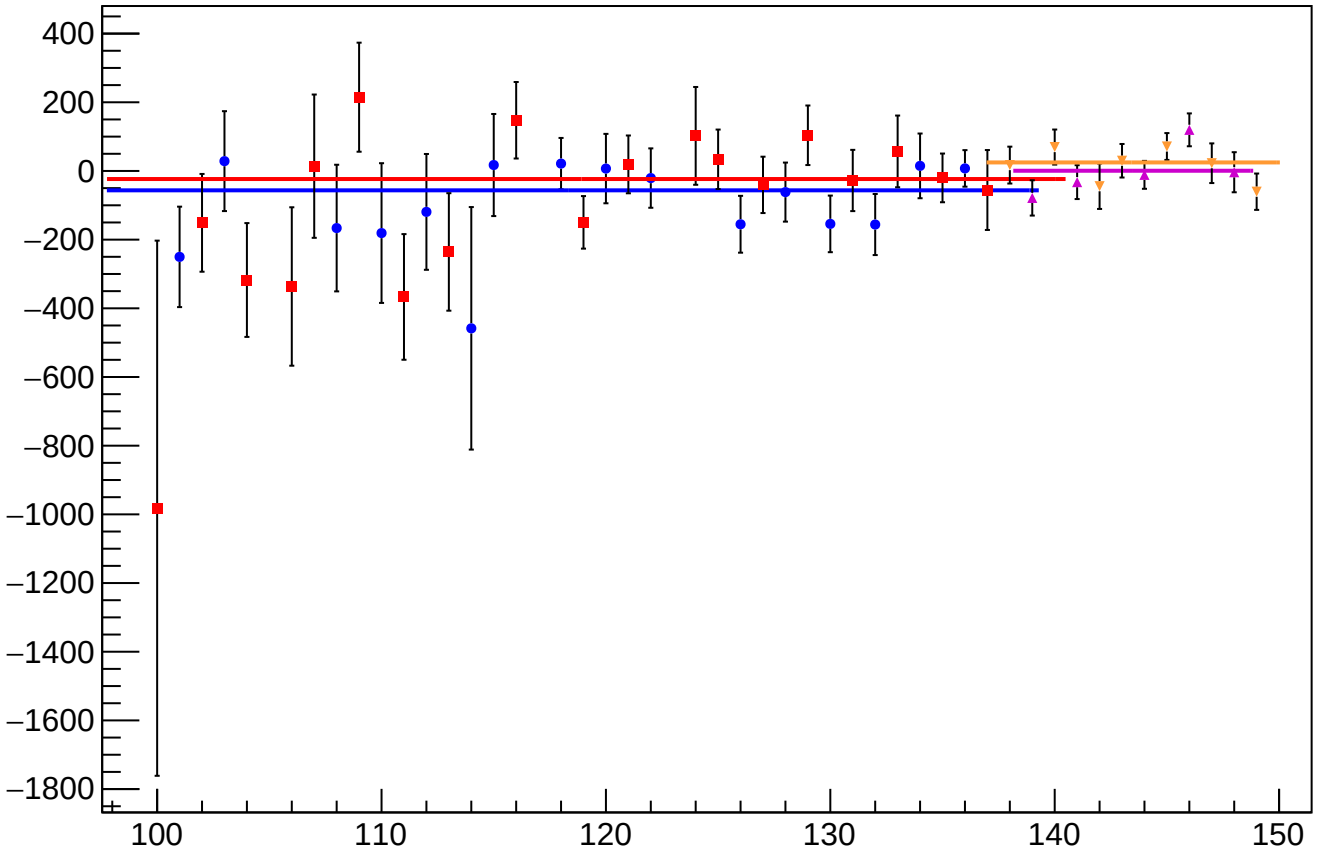
Left: 119.851+/-0.028 χ^2/NDF: 1093289.9/11

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 149.558+/-0.036 χ^2/NDF:5174387.9/20

Out: 145.567+/-0.033 χ^2/NDF:6370149.5/25

All: 147.421+/-0.024 χ^2/NDF: 11551242.0/46



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 24.827+/-19.280 χ^2/NDF:5.9/6

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 0.613+/-21.693 χ^2/NDF:9.1/4

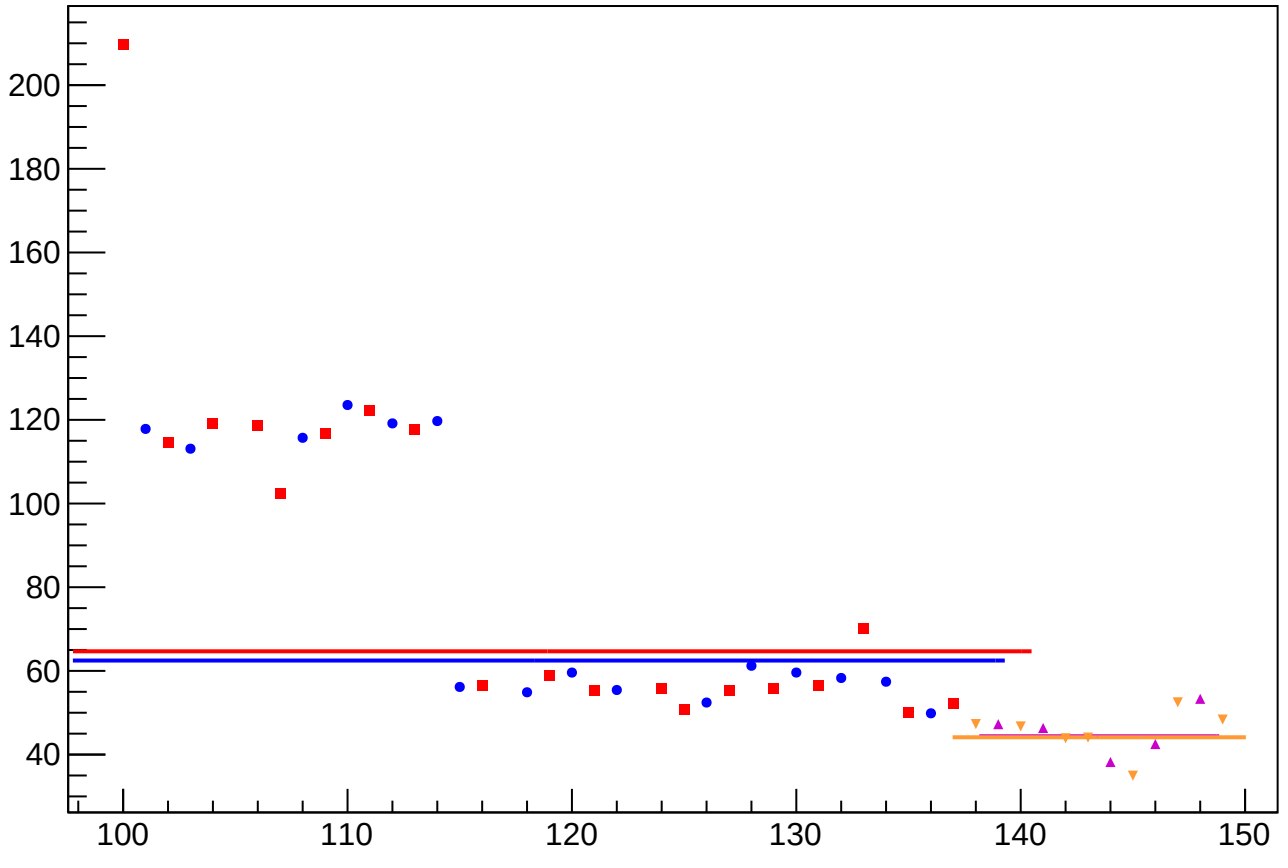
Left: 14.141+/-14.411 χ^2/NDF: 15.7/11

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -24.461+/-16.238 χ^2/NDF:24.4/20

Out: 6.949+/-15.304 χ^2/NDF:32.3/25

All: -7.826+/-11.137 χ^2/NDF: 58.7/46



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.134+/-0.014 χ^2/NDF:176985.9/6

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 44.377+/-0.015 χ^2/NDF:105435.9/4

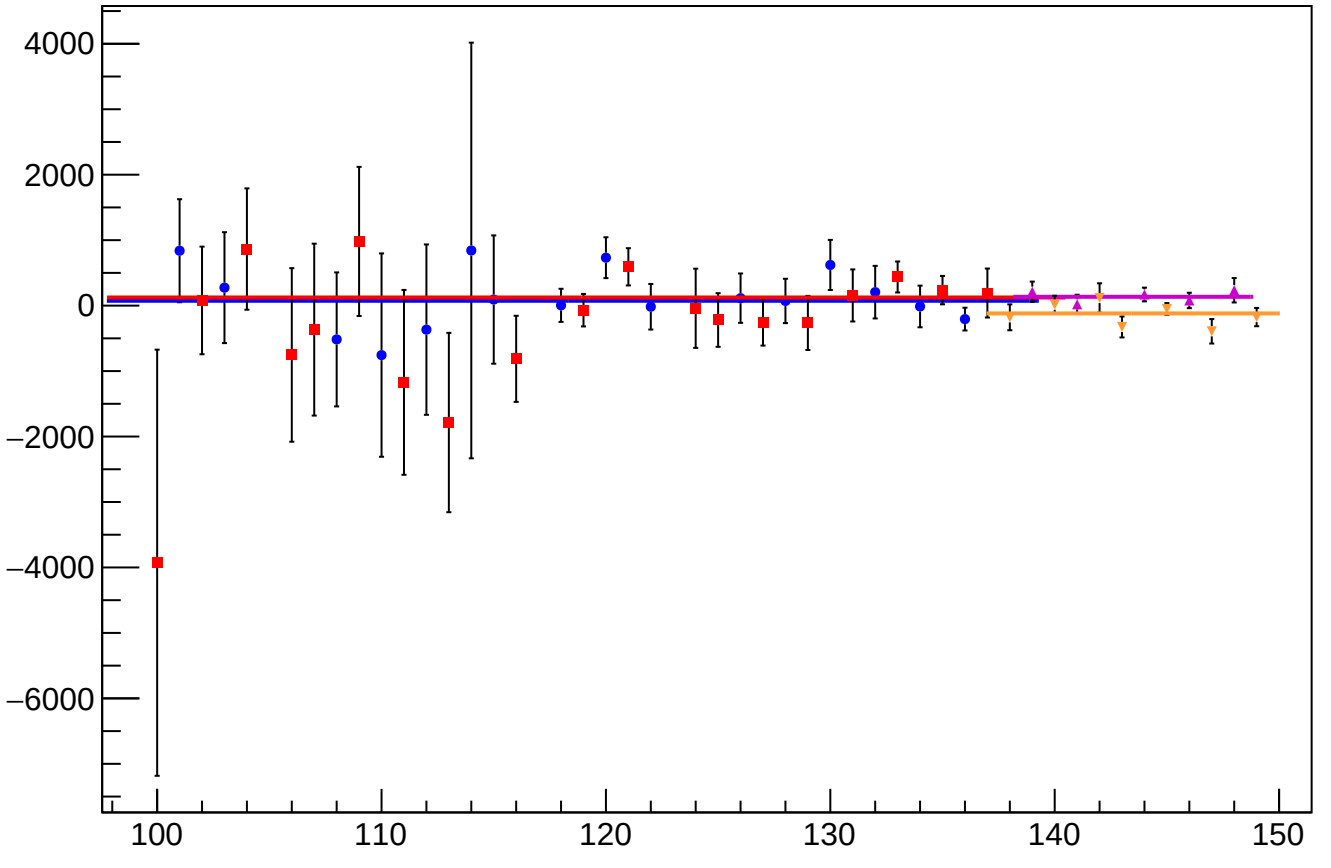
Left: 44.241+/-0.010 χ^2/NDF: 282561.7/11

Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 52.334+/-0.011 χ^2/NDF:2065622.1/20

Out: 51.735+/-0.011 χ^2/NDF:2607678.6/25

All: 52.017+/-0.008 χ^2/NDF: 4674739.3/46



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -119.156+/-54.102 χ^2/NDF:6.7/6

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 134.623+/-59.651 χ^2/NDF:1.5/4

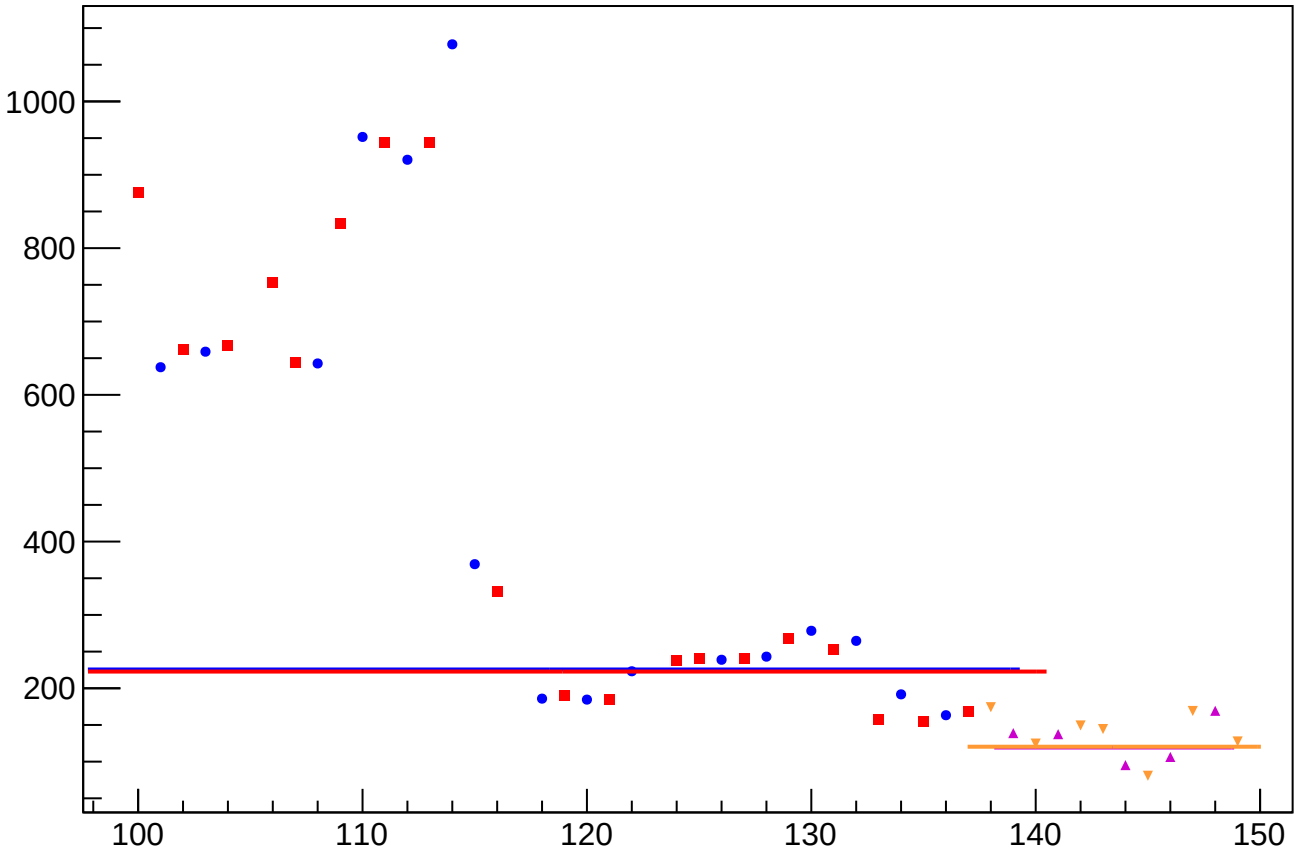
Left: -4.617+/-40.074 χ^2/NDF: 18.1/11

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 117.432+/-50.441 χ^2/NDF:13.0/20

Out: -59.241+/-46.972 χ^2/NDF:28.0/25

All: 22.812+/-34.375 χ^2/NDF: 47.6/46



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 120.347+/-0.038 χ^2/NDF:756616.3/6

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: 119.851+/-0.028 χ^2/NDF: 1093307.6/11

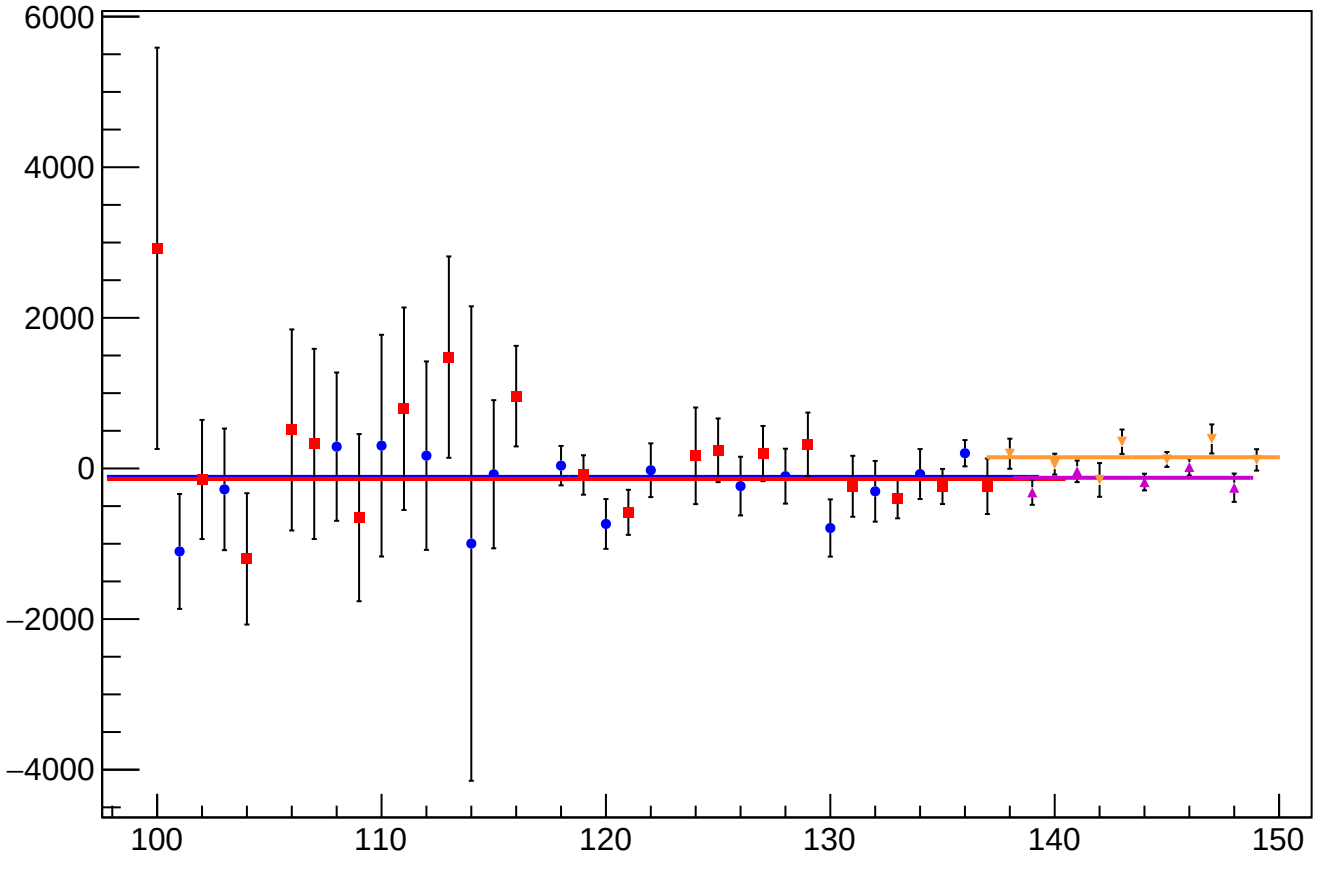
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 149.558+/-0.036 χ^2/NDF:5174374.2/20

Out: 145.568+/-0.033 χ^2/NDF:6370131.1/25

All: 147.421+/-0.024 χ^2/NDF: 11551208.7/46

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 148.988+/-56.396 χ^2/NDF:5.7/6

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -123.996+/-60.706 χ^2/NDF:4.0/4

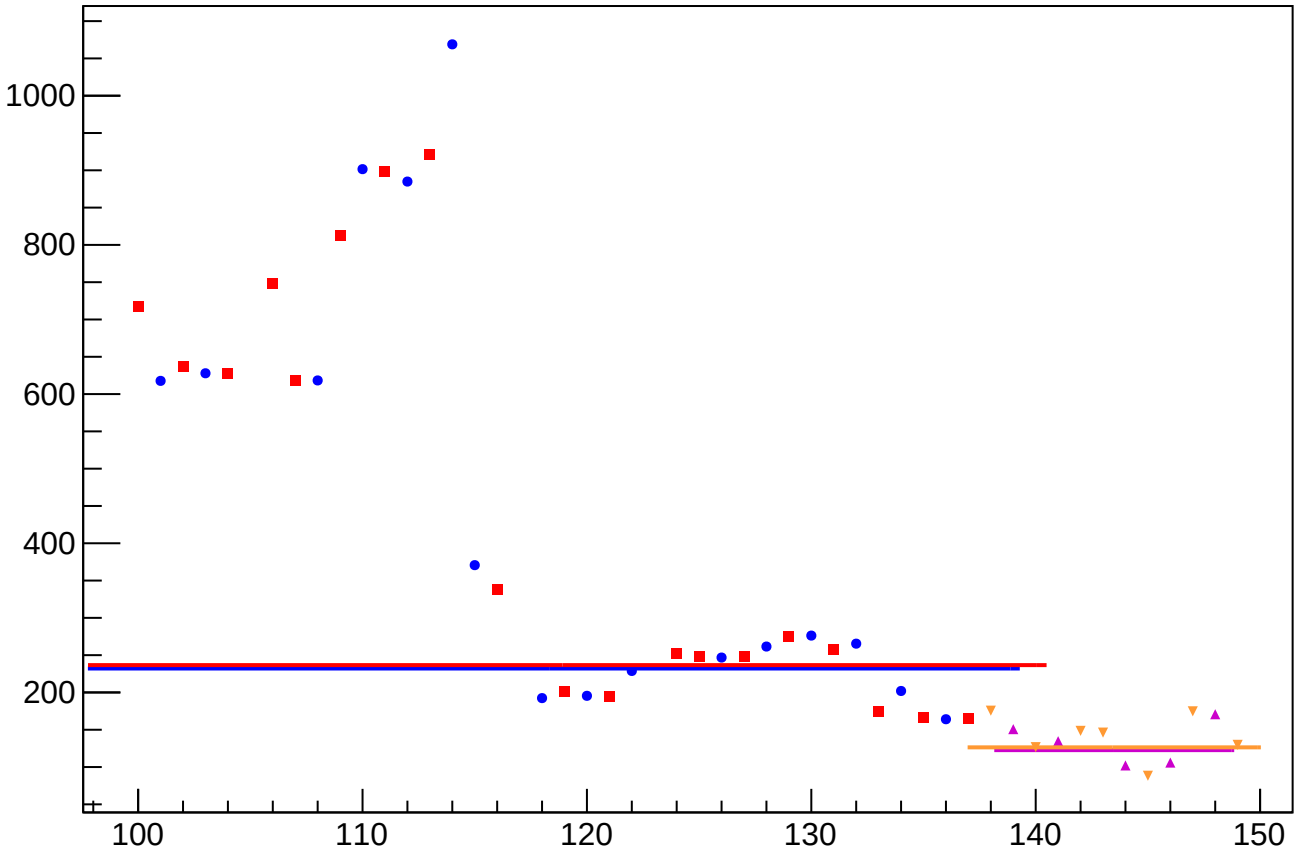
Left: 22.529+/-41.318 χ^2/NDF: 20.5/11

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -120.573+/-51.392 χ^2/NDF:16.9/20

Out: 78.379+/-49.024 χ^2/NDF:26.7/25

All: -16.409+/-35.473 χ^2/NDF: 51.5/46



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 126.385+/-0.040 χ^2/NDF:594532.6/6

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 122.678+/-0.043 χ^2/NDF:313159.6/4

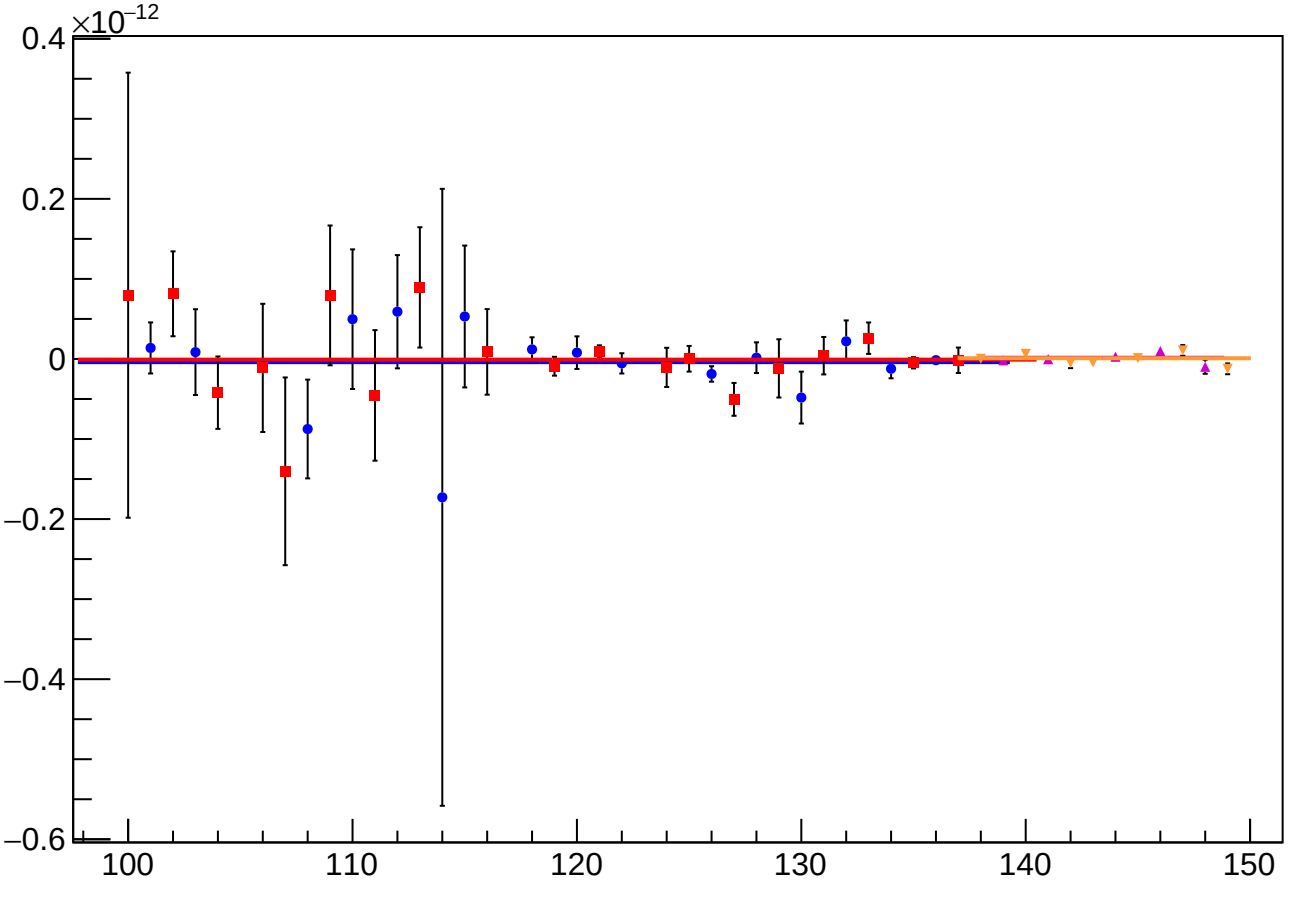
Left: 124.668+/-0.029 χ^2/NDF: 911696.2/11

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 153.681+/-0.036 χ^2/NDF:5039902.3/20

Out: 153.328+/-0.035 χ^2/NDF:5983665.8/25

All: 153.496+/-0.025 χ^2/NDF: 11023617.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/4

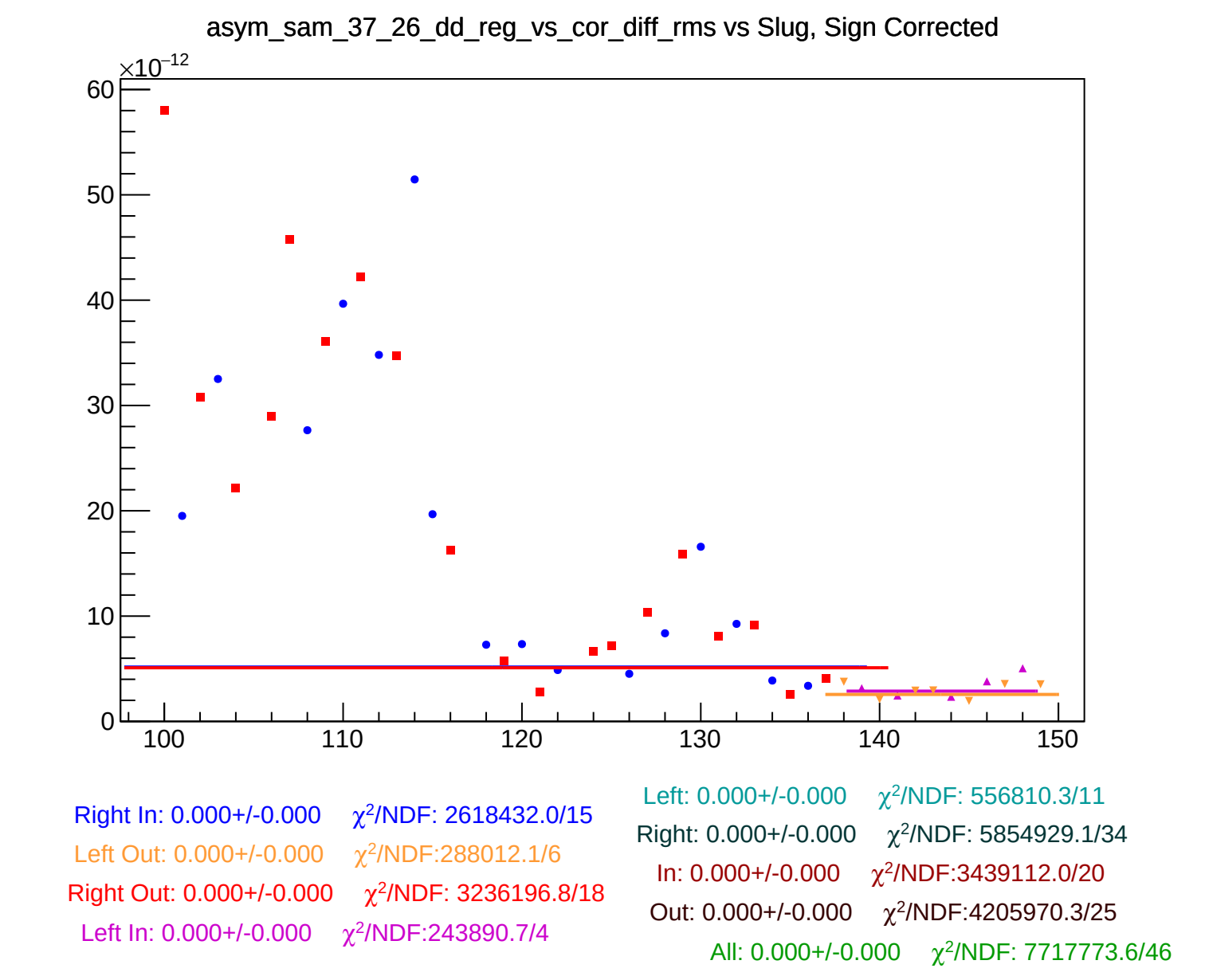
Left: 0.000+/-0.000 χ^2/NDF: 14.5/11

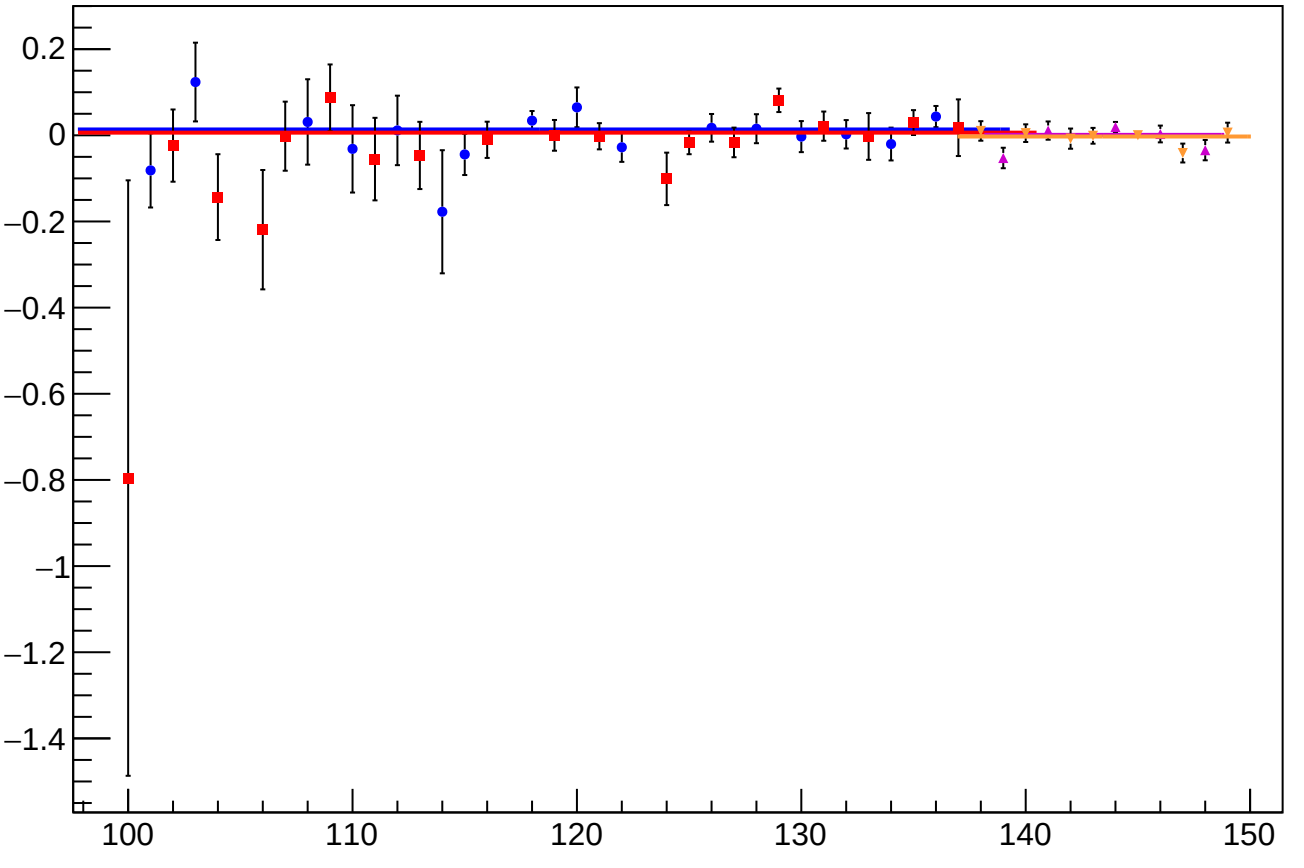
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:17.4/20

Out: 0.000+/-0.000 χ^2/NDF:28.4/25

All: 0.000+/-0.000 χ^2/NDF: 45.8/46


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:288012.1/6
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: 556810.3/11
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:4205970.3/25
All: 0.000+/-0.000 χ²/NDF: 7717773.6/46



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.007 χ^2/NDF:3.8/6

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.008 χ^2/NDF:10.0/4

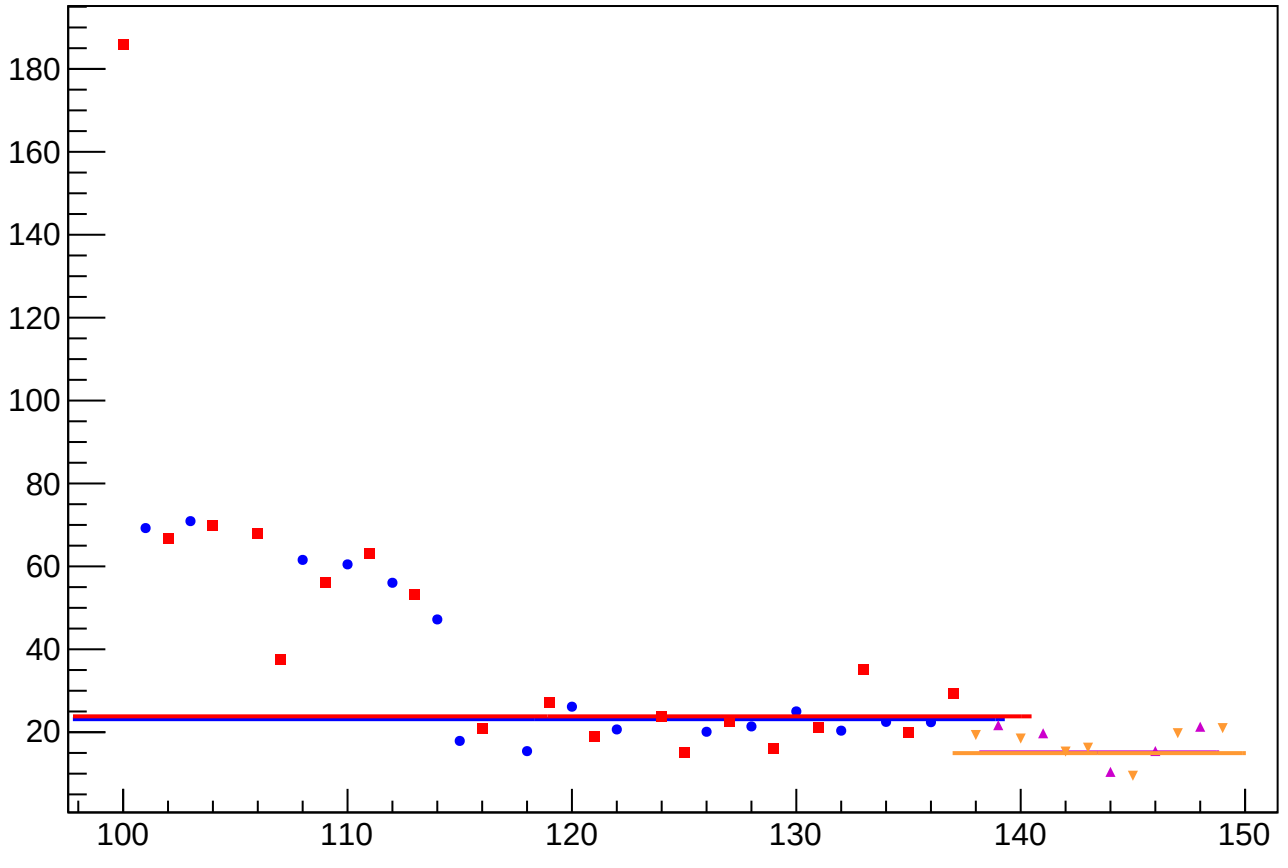
Left: -0.001+/-0.005 χ^2/NDF: 13.9/11

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:25.8/25

All: 0.003+/-0.004 χ^2/NDF: 49.6/46



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.954+/-0.005 χ^2/NDF:843180.8/6

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: 15.033+/-0.004 χ^2/NDF: 1547092.3/11

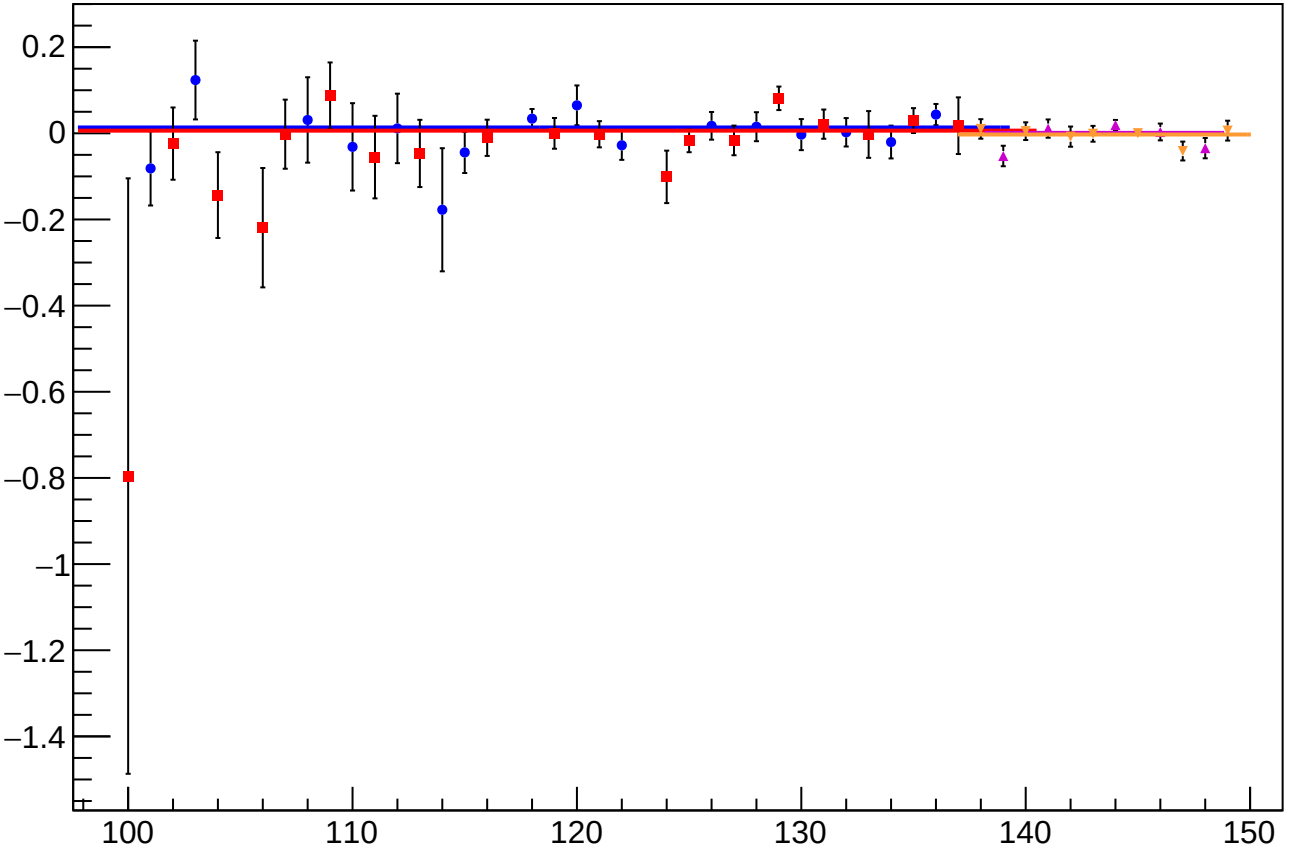
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.323+/-0.004 χ^2/NDF:3905943.0/20

Out: 17.797+/-0.004 χ^2/NDF:4797135.6/25

All: 18.038+/-0.003 χ^2/NDF: 8710865.7/46

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.007 χ^2/NDF:3.8/6

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: -0.001+/-0.005 χ^2/NDF: 13.9/11

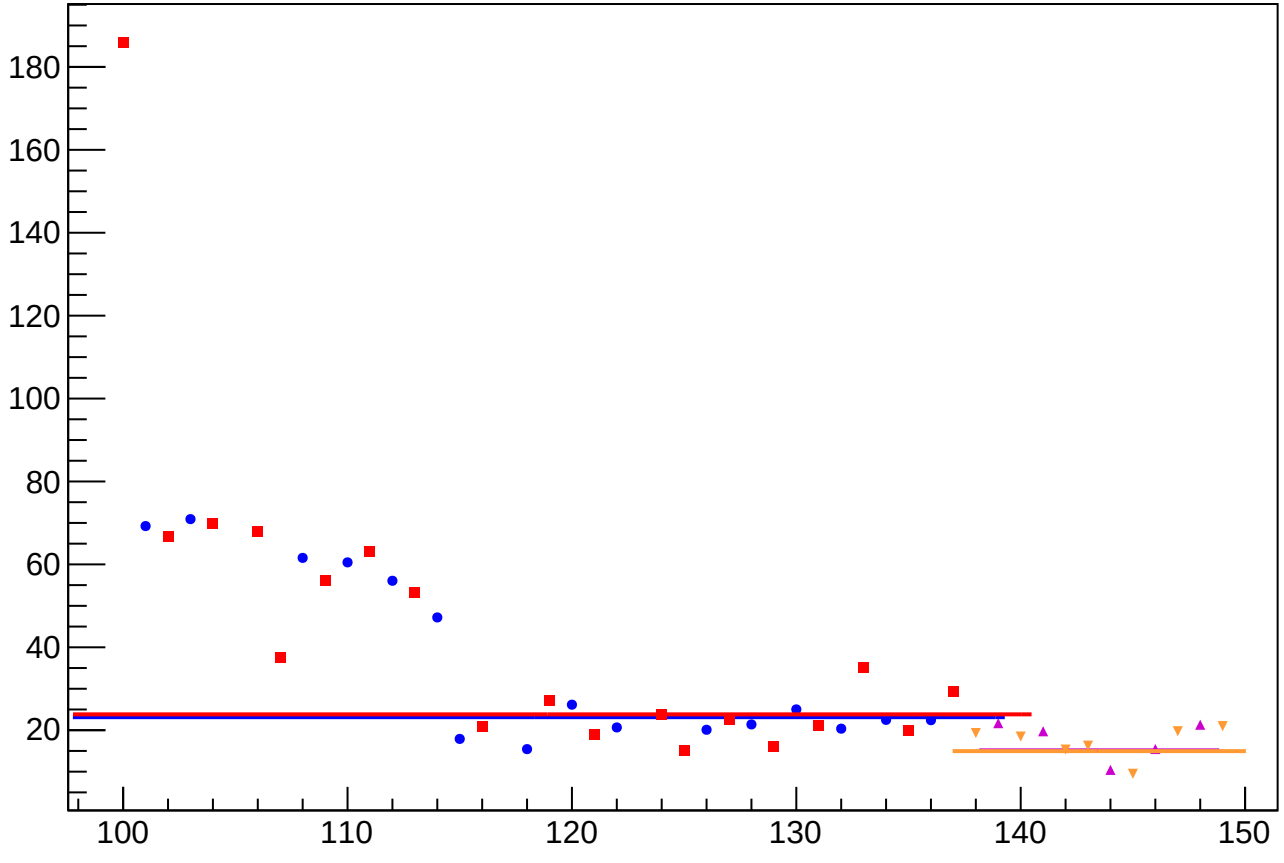
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: 0.000+/-0.006 χ^2/NDF:25.8/25

All: 0.003+/-0.004 χ^2/NDF: 49.6/46

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: 14.954+/-0.005 χ^2/NDF:843180.8/6

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.140+/-0.006 χ^2/NDF:703294.3/4

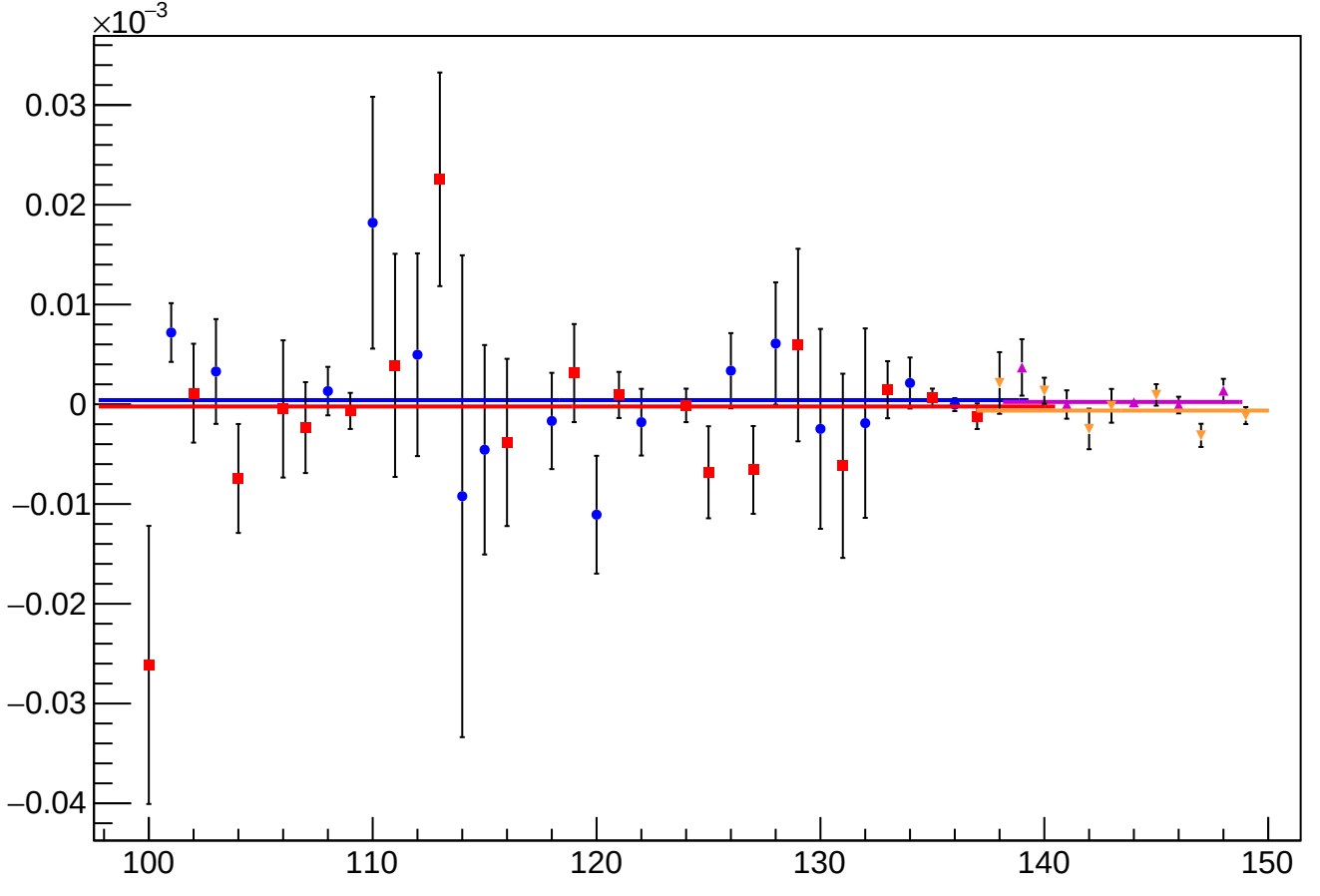
Left: 15.033+/-0.004 χ^2/NDF: 1547092.3/11

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.323+/-0.004 χ^2/NDF:3905943.0/20

Out: 17.797+/-0.004 χ^2/NDF:4797135.6/25

All: 18.038+/-0.003 χ^2/NDF: 8710865.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/6

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: 16.3/11

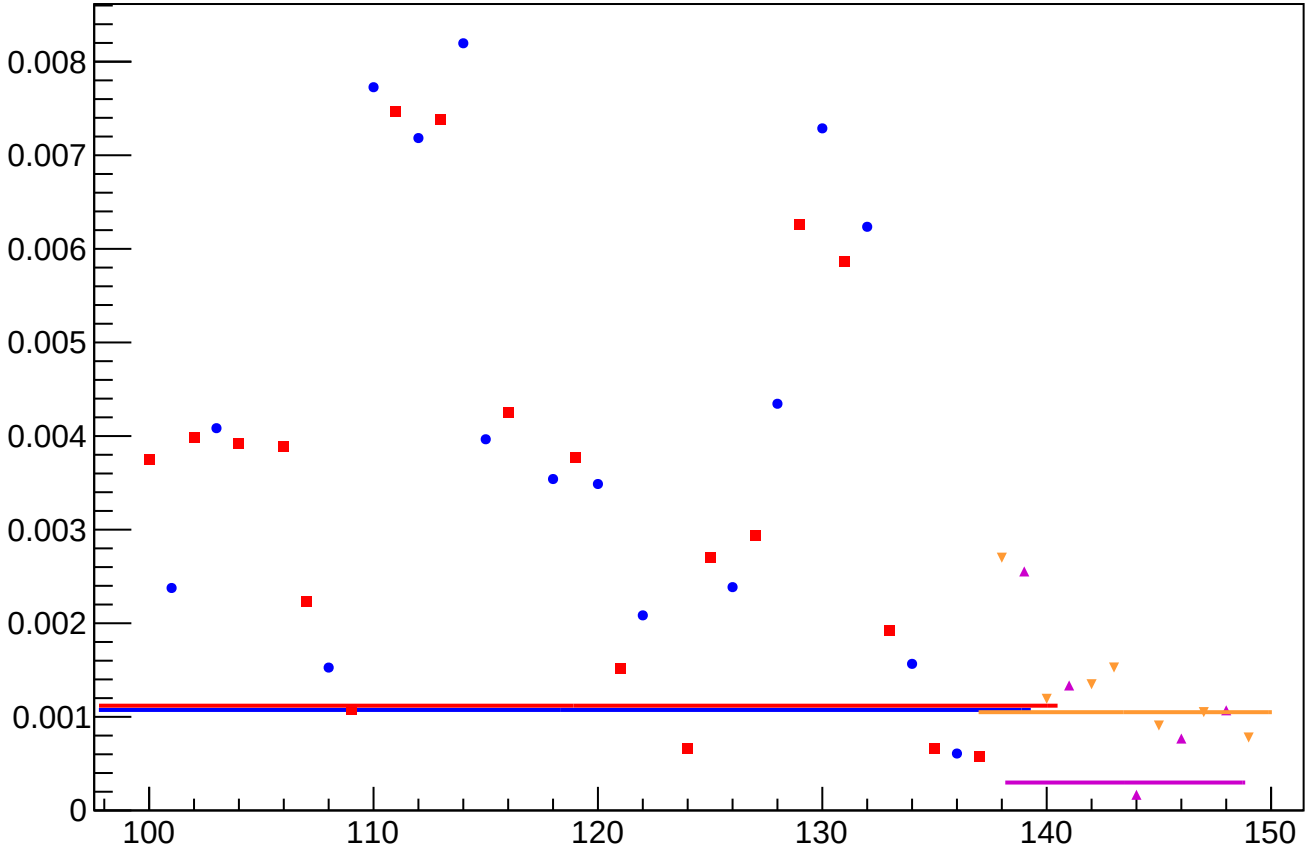
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:18.0/20

Out: -0.000+/-0.000 χ^2/NDF:29.3/25

All: 0.000+/-0.000 χ^2/NDF: 50.1/46

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1033370.5/6

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4359073.3/4

Left: 0.000+/-0.000 χ^2/NDF: 9301795.0/11

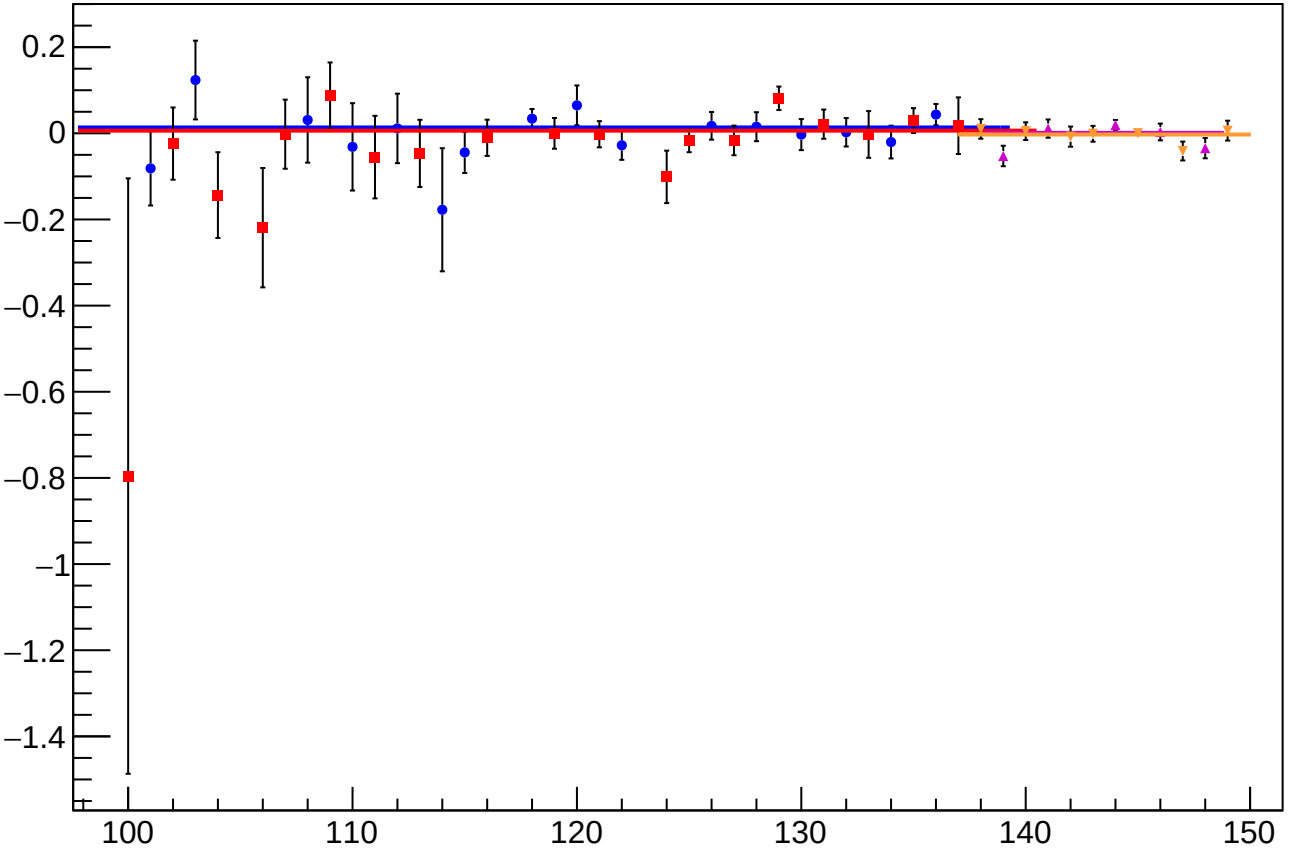
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:14658413.9/20

Out: 0.001+/-0.000 χ^2/NDF:7846984.3/25

All: 0.001+/-0.000 χ^2/NDF: 27371753.0/46

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: -0.003+/-0.007 χ^2/NDF:3.8/6

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: -0.001+/-0.005 χ^2/NDF: 13.9/11

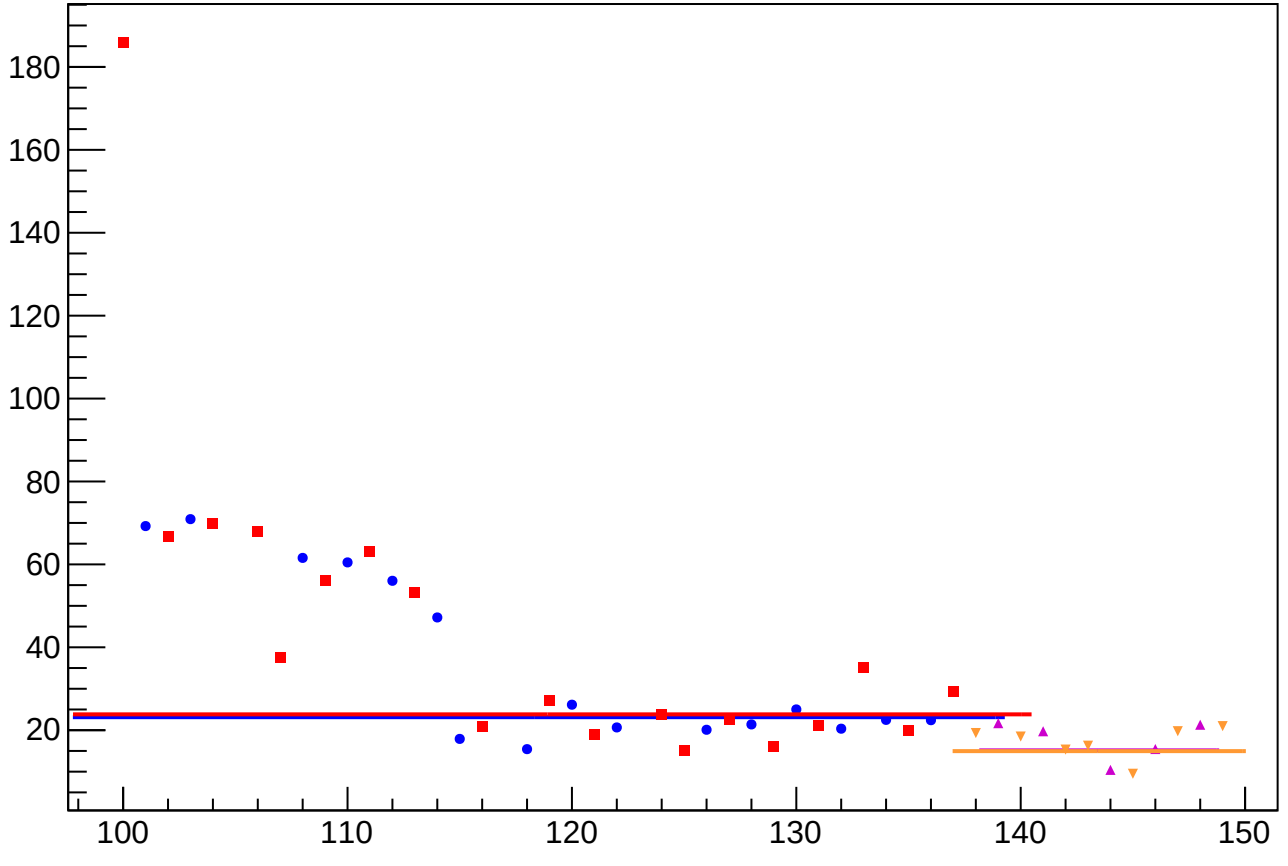
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: 0.000+/-0.006 χ^2/NDF:25.8/25

All: 0.003+/-0.004 χ^2/NDF: 49.6/46

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: 14.954+/-0.005 χ^2/NDF:843262.5/6

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: 15.034+/-0.004 χ^2/NDF: 1547147.2/11

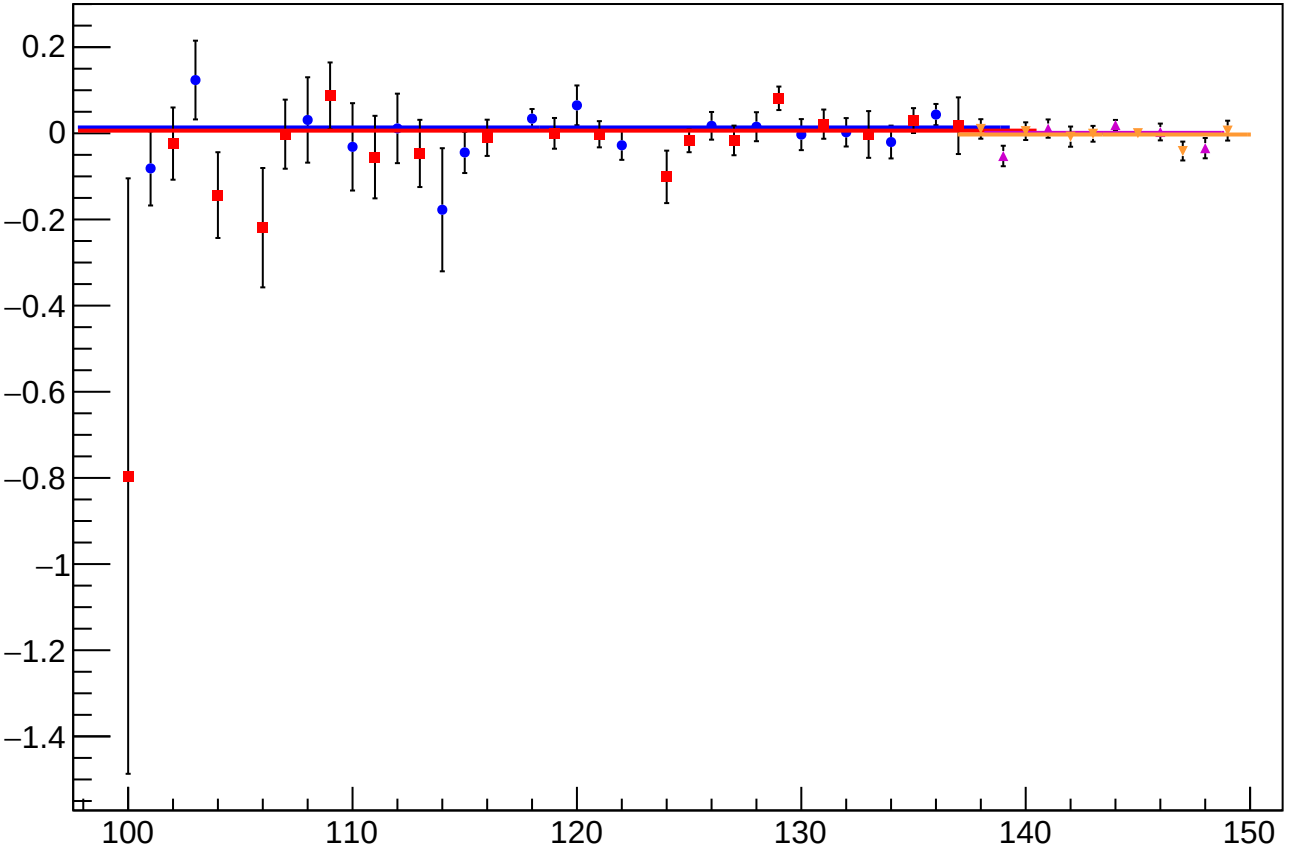
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.323+/-0.004 χ^2/NDF:3905700.4/20

Out: 17.797+/-0.004 χ^2/NDF:4797040.4/25

All: 18.038+/-0.003 χ^2/NDF: 8710522.6/46

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: -0.003+/-0.007 χ^2/NDF:3.8/6

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: -0.001+/-0.005 χ^2/NDF: 13.9/11

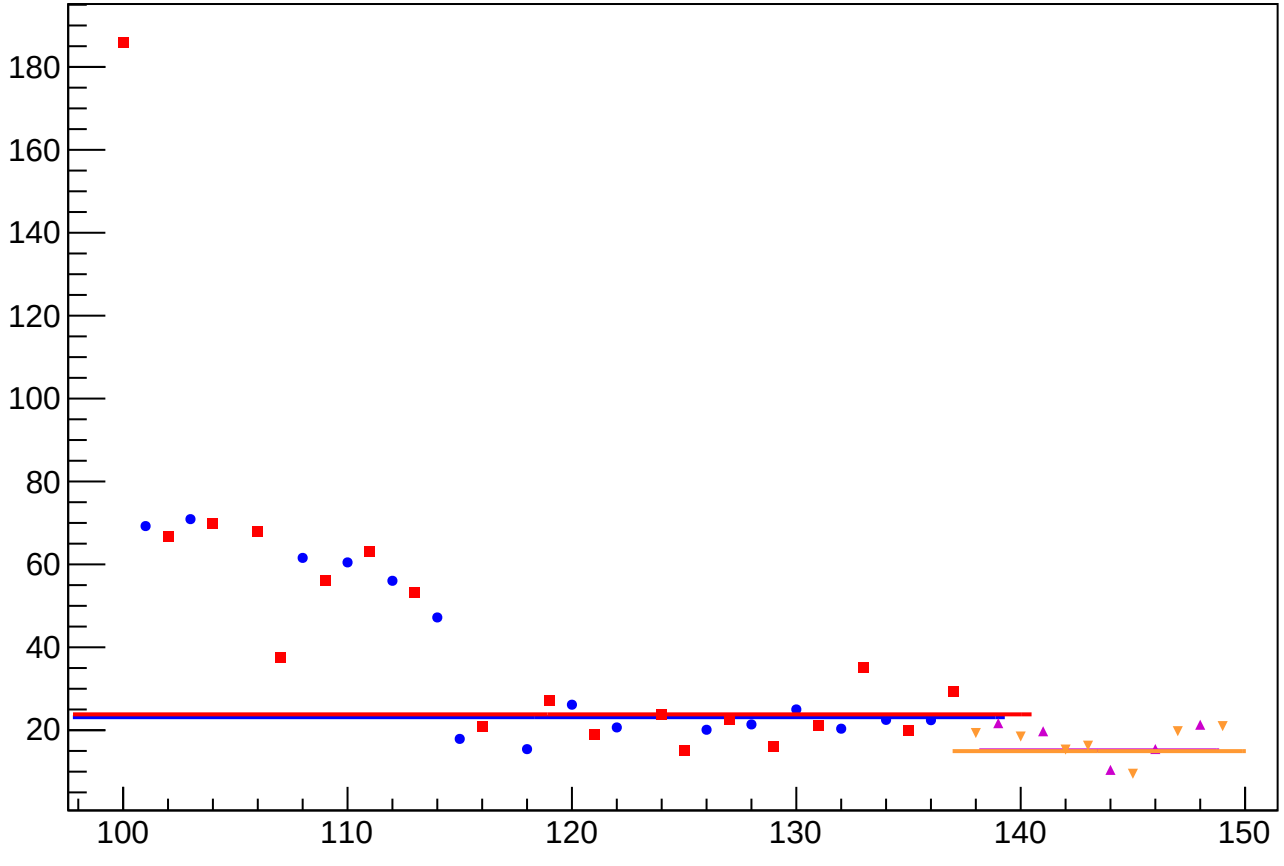
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.006+/-0.006 χ^2/NDF:23.3/20

Out: 0.000+/-0.006 χ^2/NDF:25.8/25

All: 0.003+/-0.004 χ^2/NDF: 49.6/46

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: 14.954+/-0.005 χ^2/NDF:843262.5/6

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.140+/-0.006 χ^2/NDF:703267.1/4

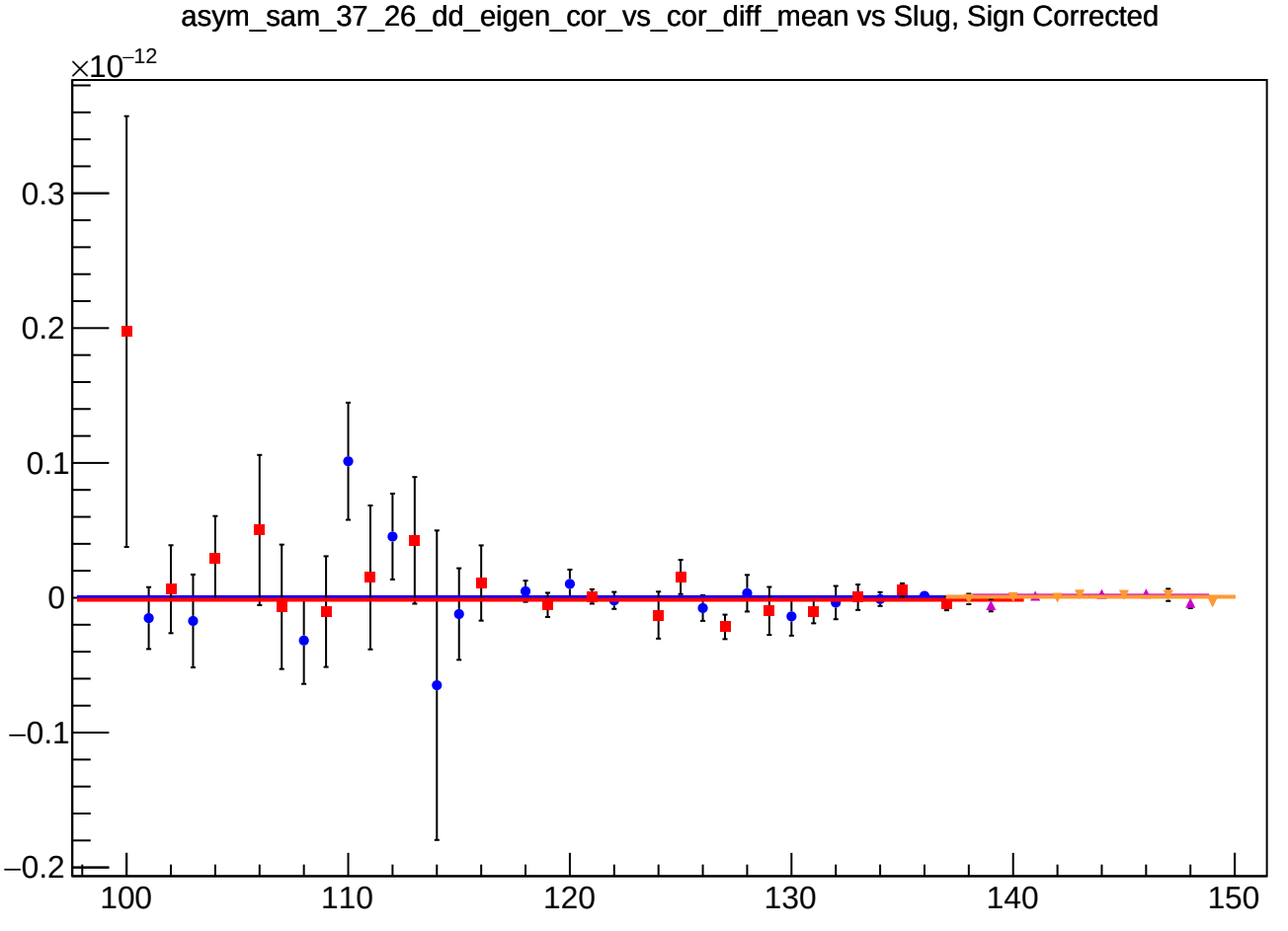
Left: 15.034+/-0.004 χ^2/NDF: 1547147.2/11

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.323+/-0.004 χ^2/NDF:3905700.4/20

Out: 17.797+/-0.004 χ^2/NDF:4797040.4/25

All: 18.038+/-0.003 χ^2/NDF: 8710522.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/4

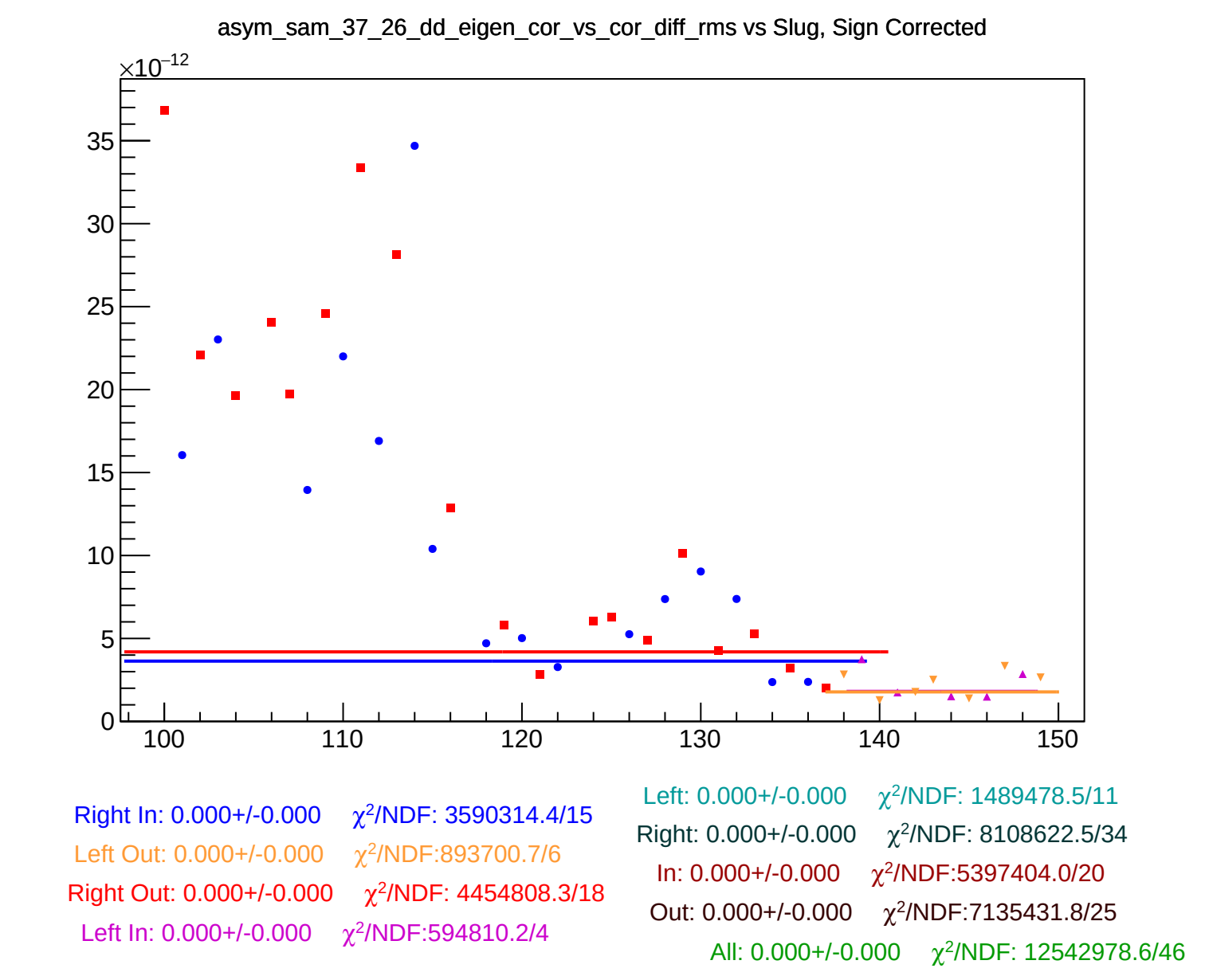
Left: 0.000+/-0.000 χ^2/NDF: 8.2/11

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:19.1/25

All: 0.000+/-0.000 χ^2/NDF: 37.9/46


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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120
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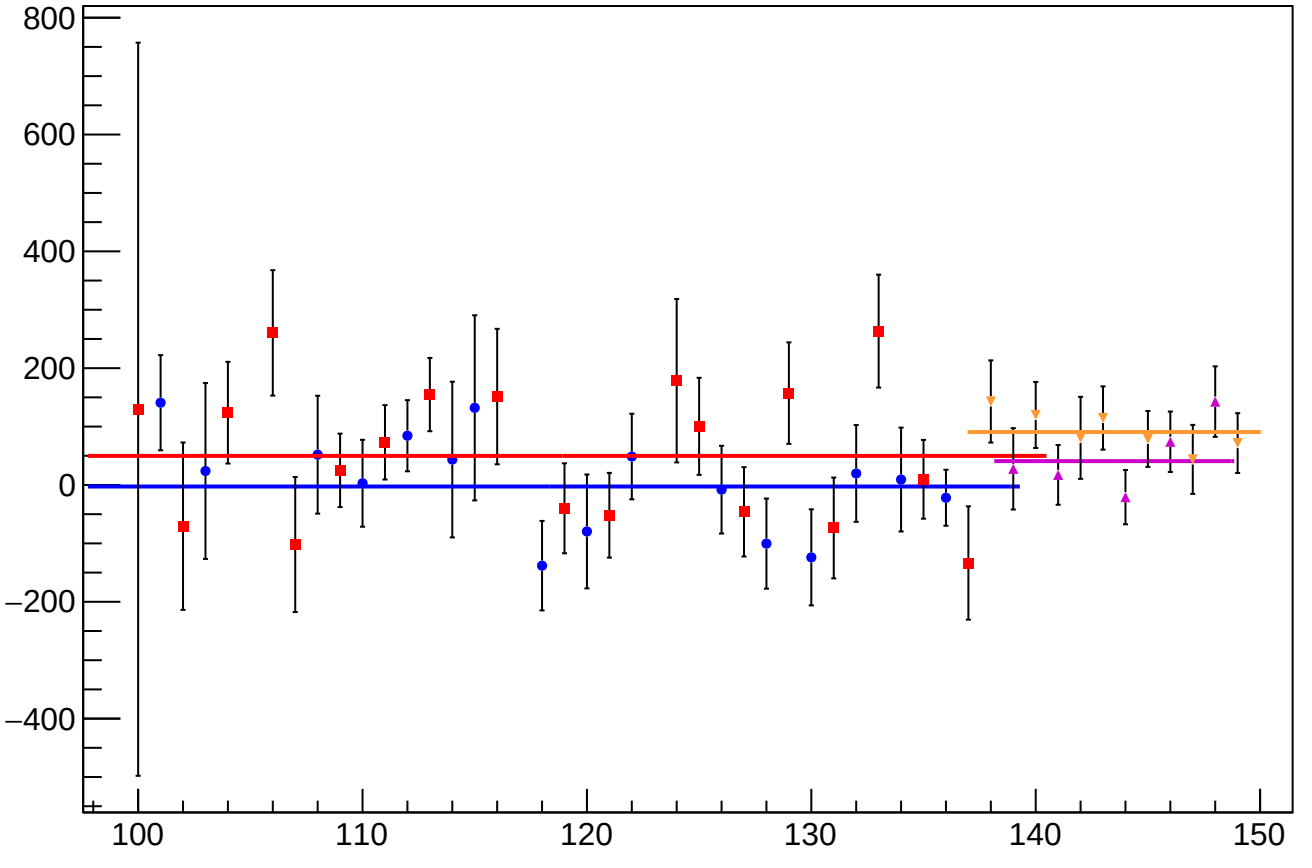
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:893700.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:594810.2/4
Left: 0.000+/-0.000 χ²/NDF: 1489478.5/11
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5397404.0/20
Out: 0.000+/-0.000 χ²/NDF:7135431.8/25
All: 0.000+/-0.000 χ²/NDF: 12542978.6/46



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 90.673+/-21.498 χ^2/NDF:1.9/6

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 40.860+/-24.247 χ^2/NDF:5.3/4

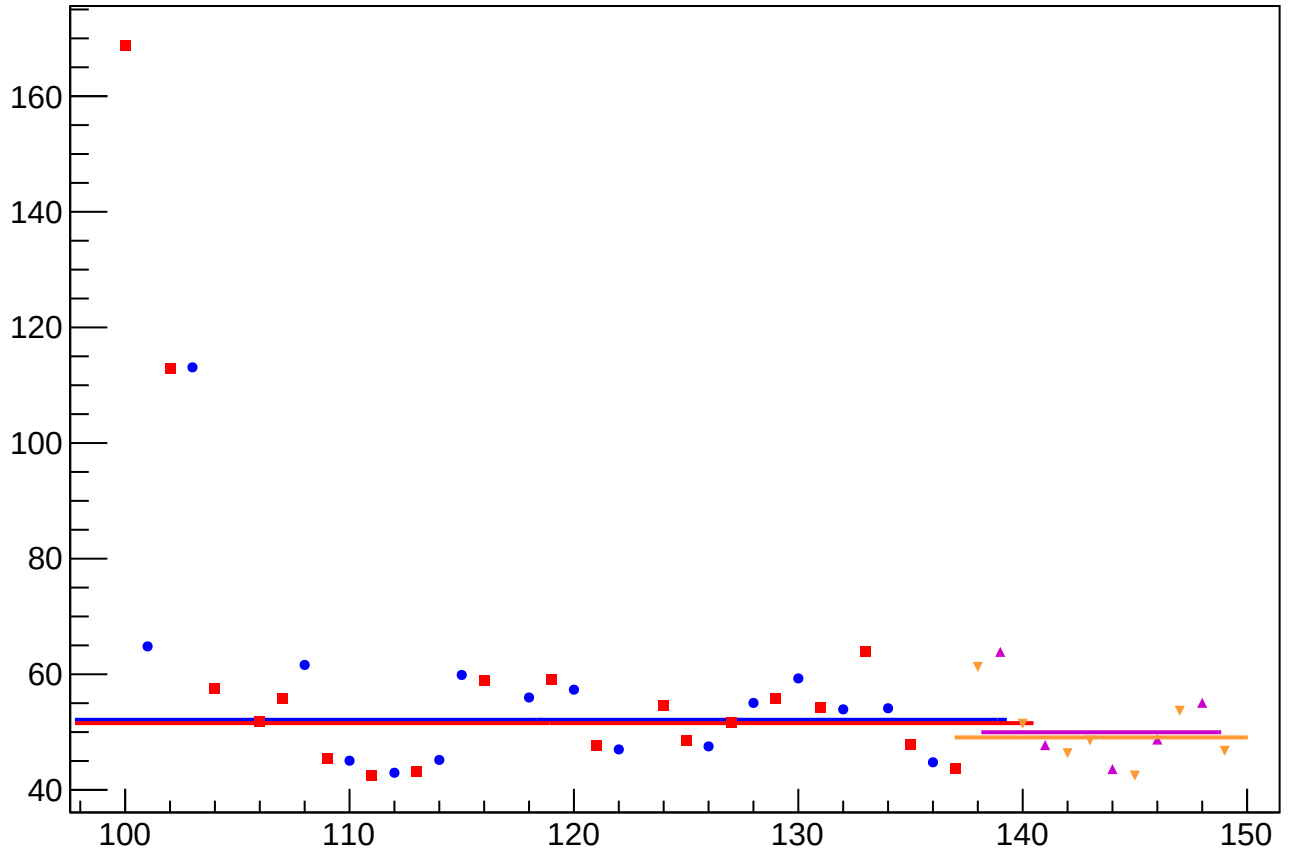
Left: 68.749+/-16.086 χ^2/NDF: 9.5/11

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 14.982+/-15.426 χ^2/NDF:21.8/20

Out: 68.380+/-14.492 χ^2/NDF:33.2/25

All: 43.346+/-10.562 χ^2/NDF: 61.3/46



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.079+/-0.015 χ^2/NDF:121204.4/6

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.968+/-0.017 χ^2/NDF:136564.3/4

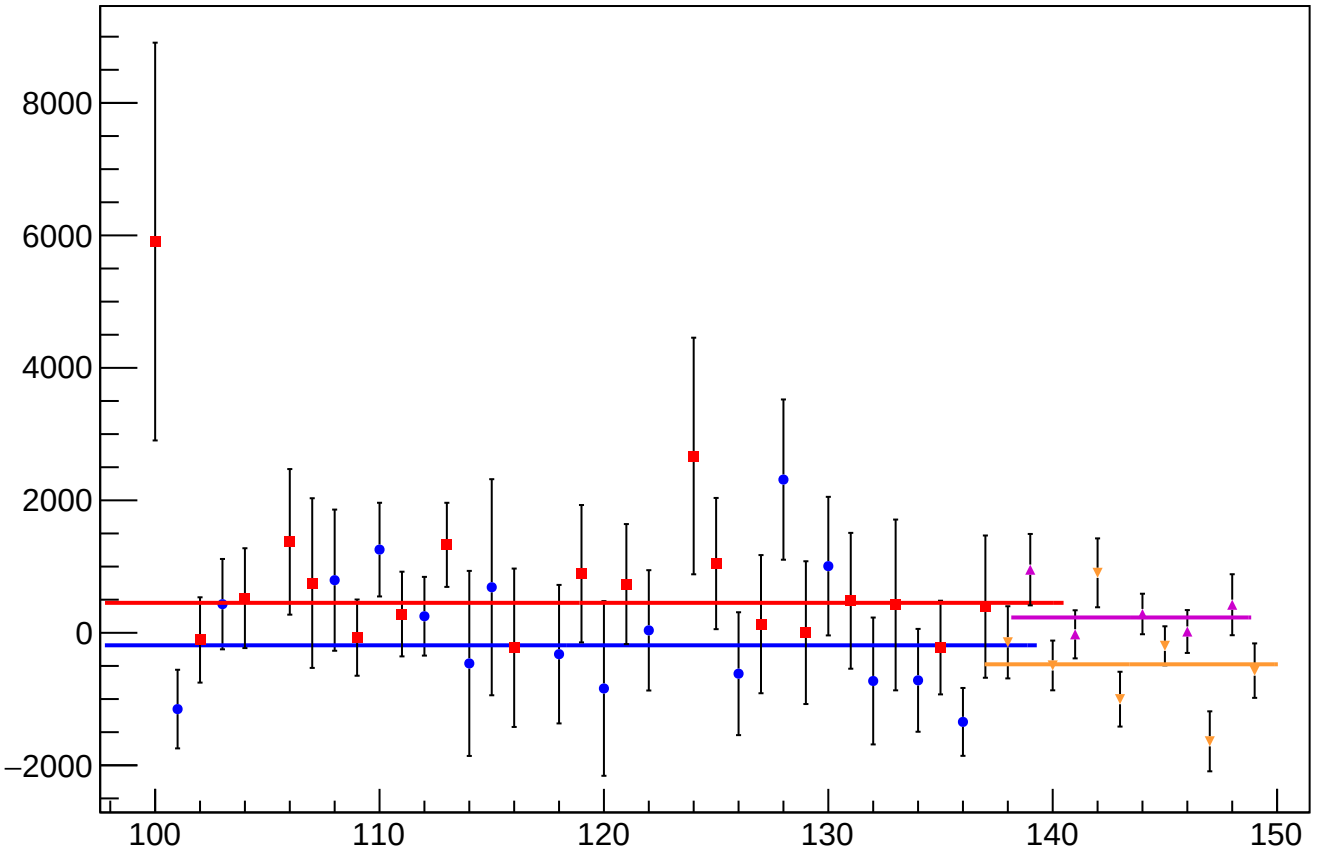
Left: 49.470+/-0.011 χ^2/NDF: 259275.5/11

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 51.254+/-0.011 χ^2/NDF:708929.5/20

Out: 50.427+/-0.010 χ^2/NDF:775182.6/25

All: 50.815+/-0.007 χ^2/NDF: 1487167.1/46



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -475.350+/-153.747 χ^2/NDF:16.6/6

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 231.678+/-166.709 χ^2/NDF:2.9/4

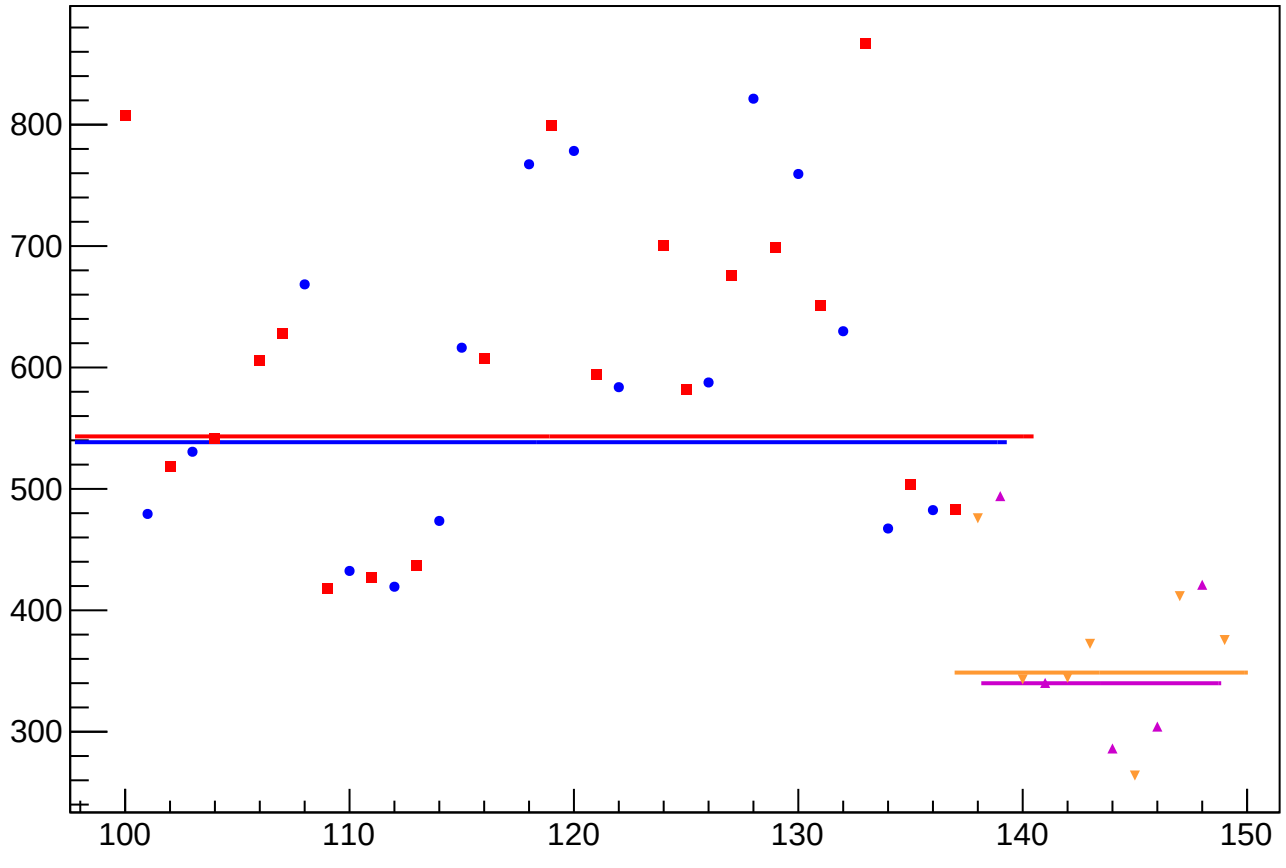
Left: -150.386+/-113.021 χ^2/NDF: 29.2/11

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 65.188+/-129.543 χ^2/NDF:26.8/20

Out: -139.050+/-122.764 χ^2/NDF:41.1/25

All: -42.415+/-89.107 χ^2/NDF: 69.2/46



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 348.724+/-0.109 χ^2/NDF:328526.2/6

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 339.945+/-0.118 χ^2/NDF:311633.4/4

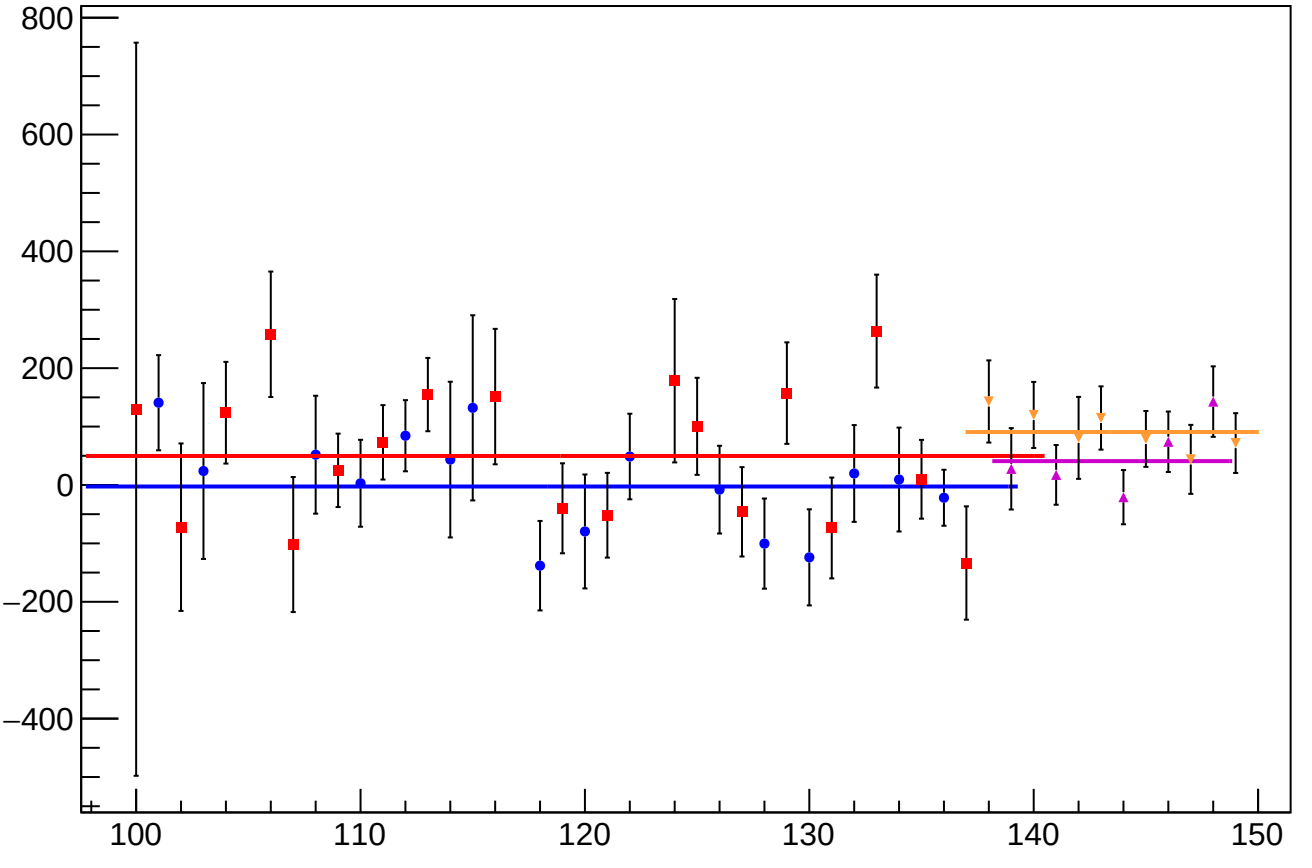
Left: 344.689+/-0.080 χ^2/NDF: 643156.3/11

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.595+/-0.092 χ^2/NDF:2049254.9/20

Out: 419.224+/-0.087 χ^2/NDF:2125924.8/25

All: 418.926+/-0.063 χ^2/NDF: 4175204.5/46



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 90.679+/-21.498 χ^2/NDF:1.9/6

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 40.861+/-24.247 χ^2/NDF:5.3/4

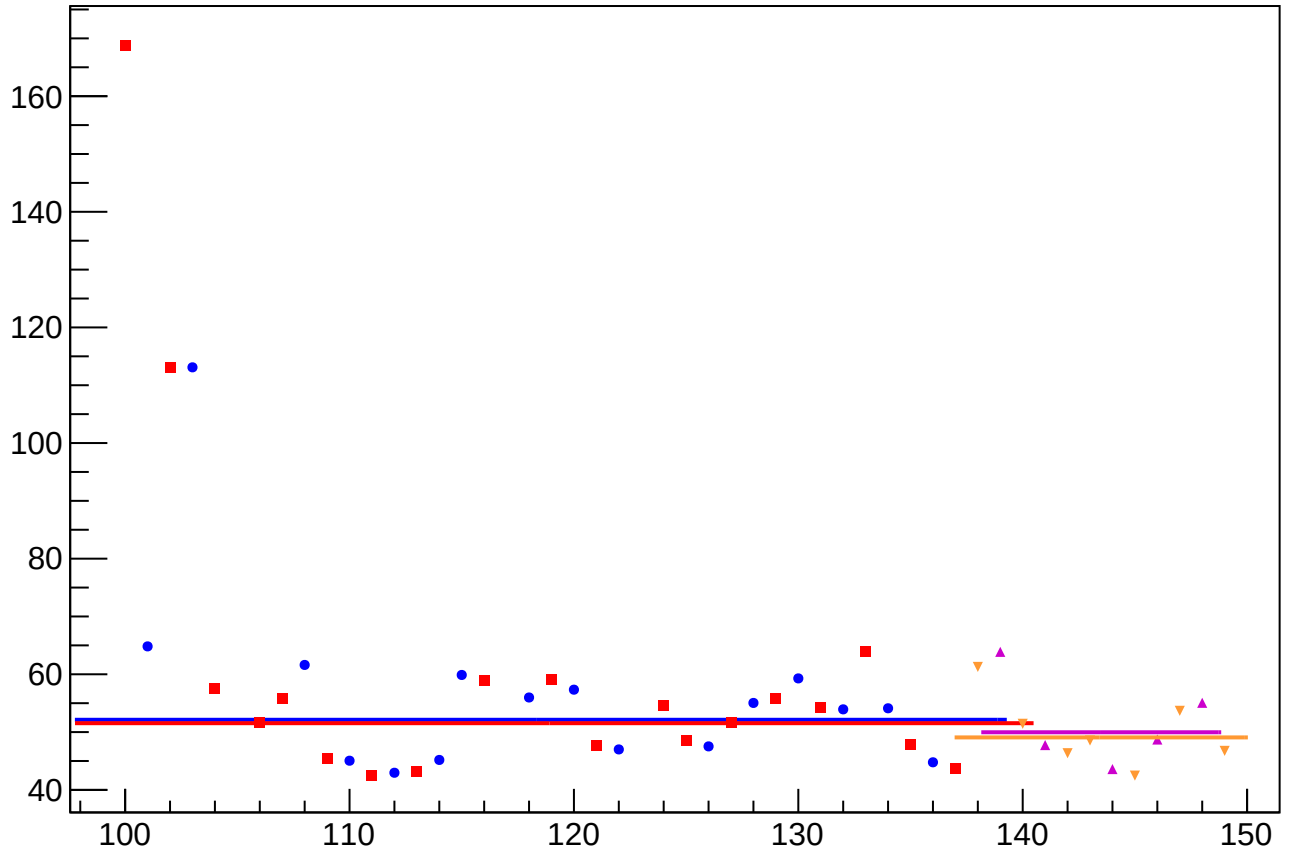
Left: 68.753+/-16.086 χ^2/NDF: 9.5/11

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 14.980+/-15.426 χ^2/NDF:21.8/20

Out: 68.320+/-14.493 χ^2/NDF:33.1/25

All: 43.313+/-10.562 χ^2/NDF: 61.3/46



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.079+/-0.015 χ^2/NDF:121204.4/6

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: 49.470+/-0.011 χ^2/NDF: 259275.5/11

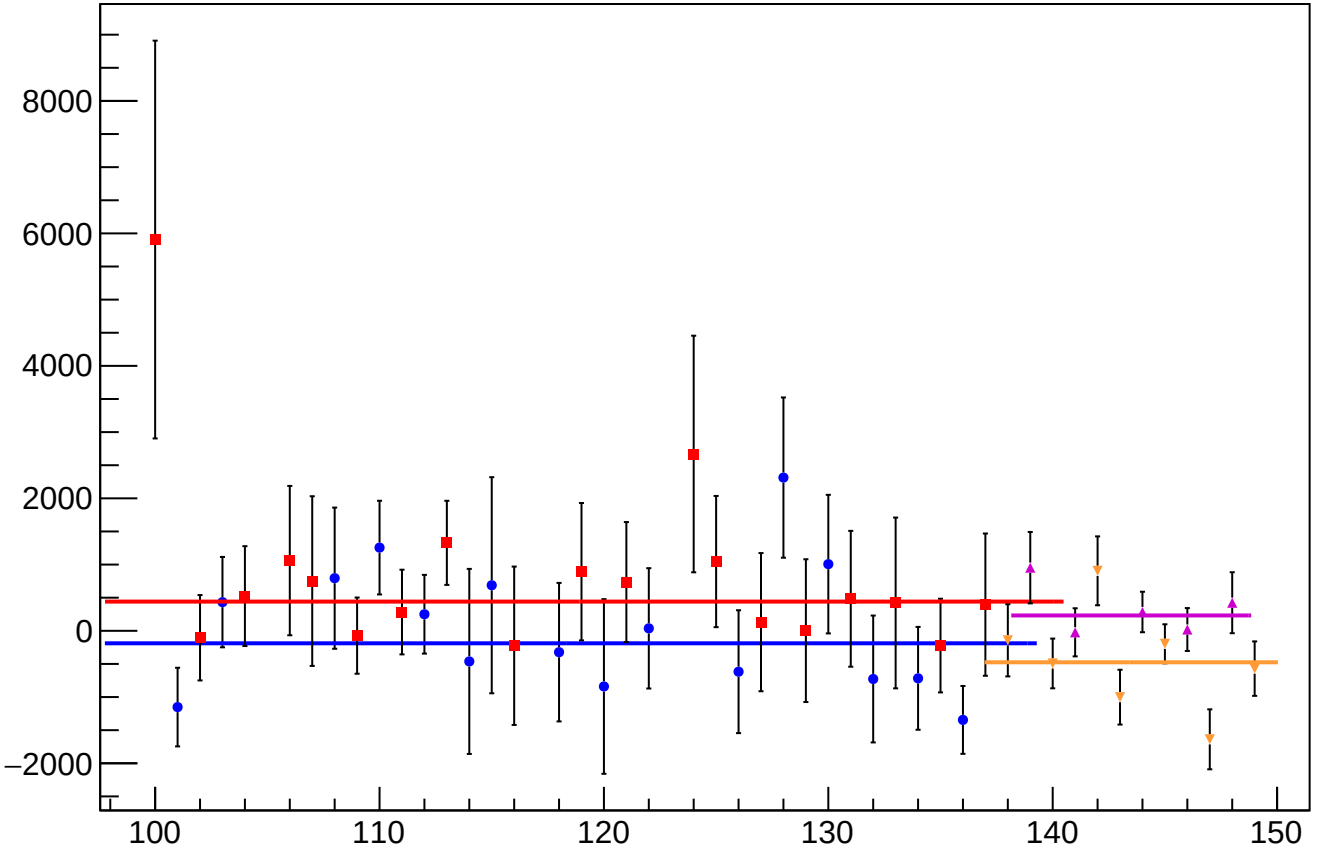
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 51.254+/-0.011 χ^2/NDF:708931.8/20

Out: 50.421+/-0.010 χ^2/NDF:775282.0/25

All: 50.812+/-0.007 χ^2/NDF: 1487310.7/46

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: -475.344+/-153.747 χ^2/NDF:16.6/6

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: -150.382+/-113.021 χ^2/NDF: 29.2/11

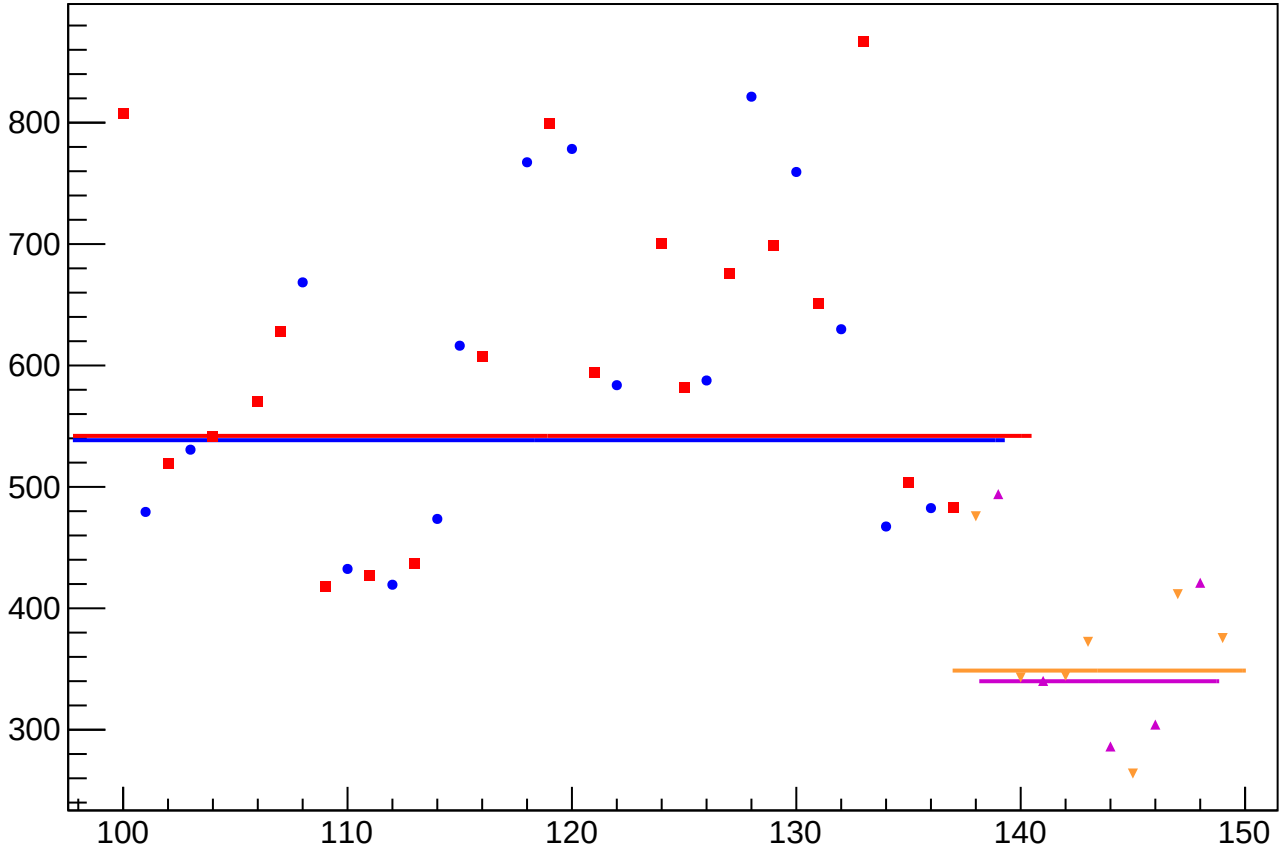
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 65.201+/-129.543 χ^2/NDF:26.8/20

Out: -143.568+/-122.806 χ^2/NDF:40.3/25

All: -44.754+/-89.123 χ^2/NDF: 68.5/46

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 348.723+/-0.109 χ^2/NDF:328527.4/6

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

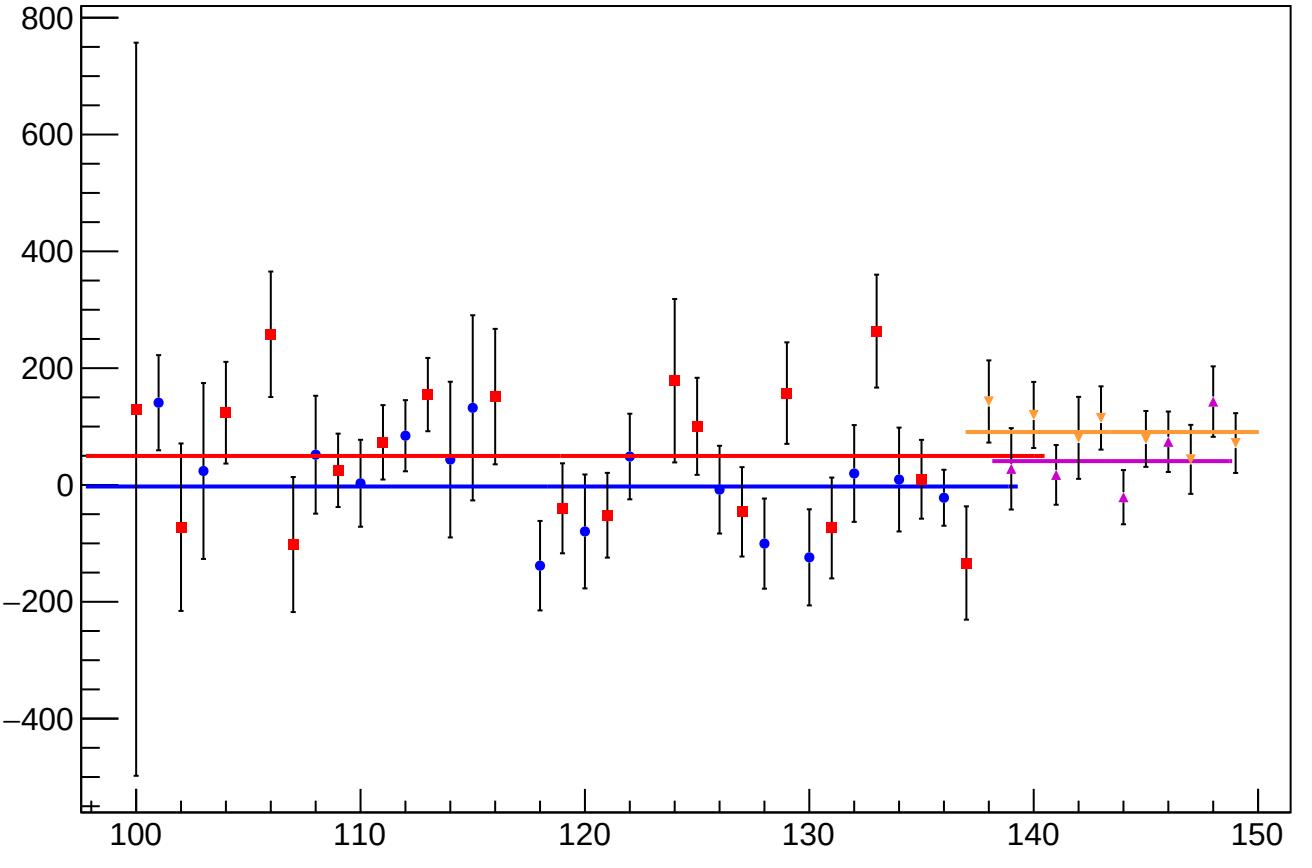
Left: 344.689+/-0.080 χ^2/NDF: 643156.6/11

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.596+/-0.092 χ^2/NDF:2049297.0/20

Out: 418.698+/-0.087 χ^2/NDF:2104525.3/25

All: 418.650+/-0.063 χ^2/NDF: 4153823.0/46



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 90.679+/-21.498 χ^2/NDF:1.9/6

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 40.861+/-24.247 χ^2/NDF:5.3/4

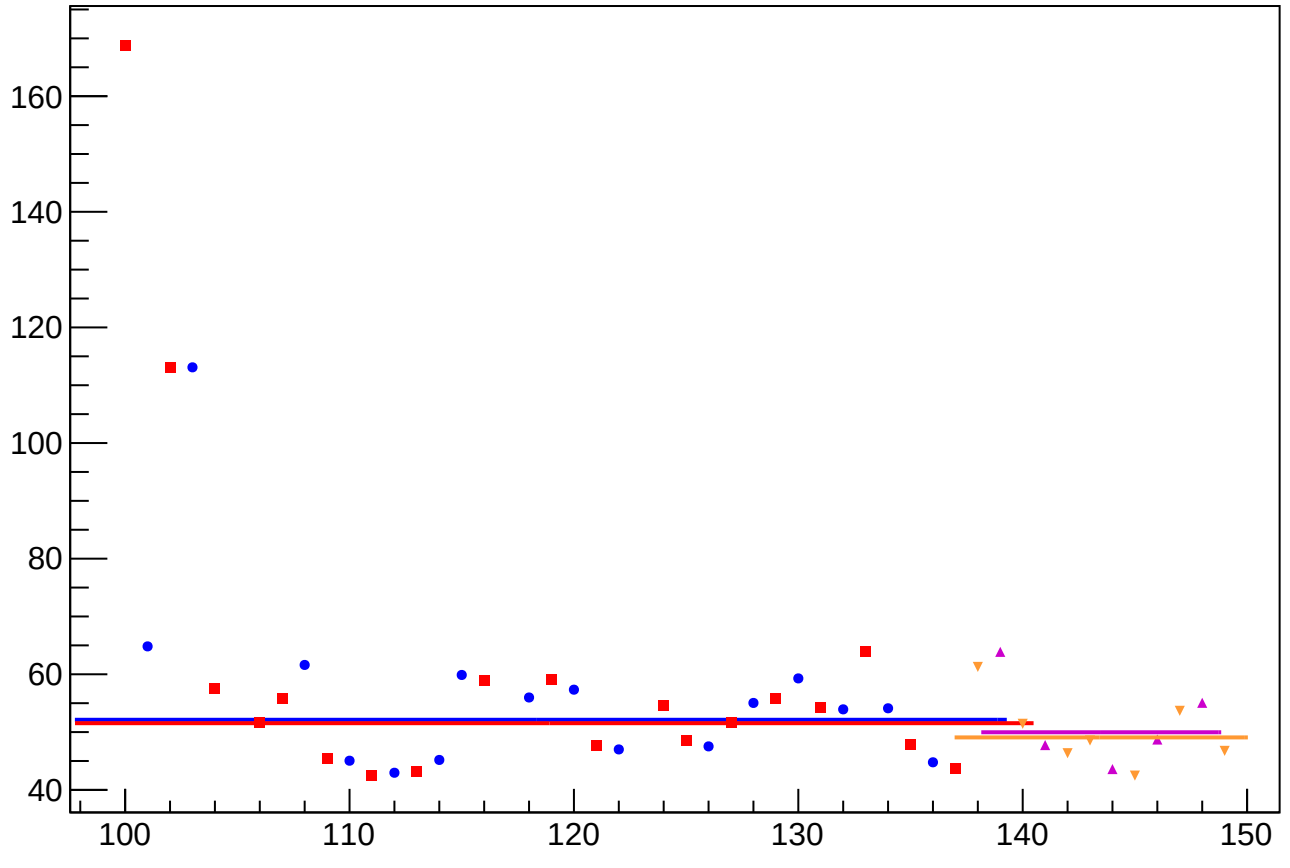
Left: 68.753+/-16.086 χ^2/NDF: 9.5/11

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 14.980+/-15.426 χ^2/NDF:21.8/20

Out: 68.320+/-14.493 χ^2/NDF:33.1/25

All: 43.313+/-10.562 χ^2/NDF: 61.3/46



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.079+/-0.015 χ^2/NDF:121204.4/6

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: 49.470+/-0.011 χ^2/NDF: 259275.5/11

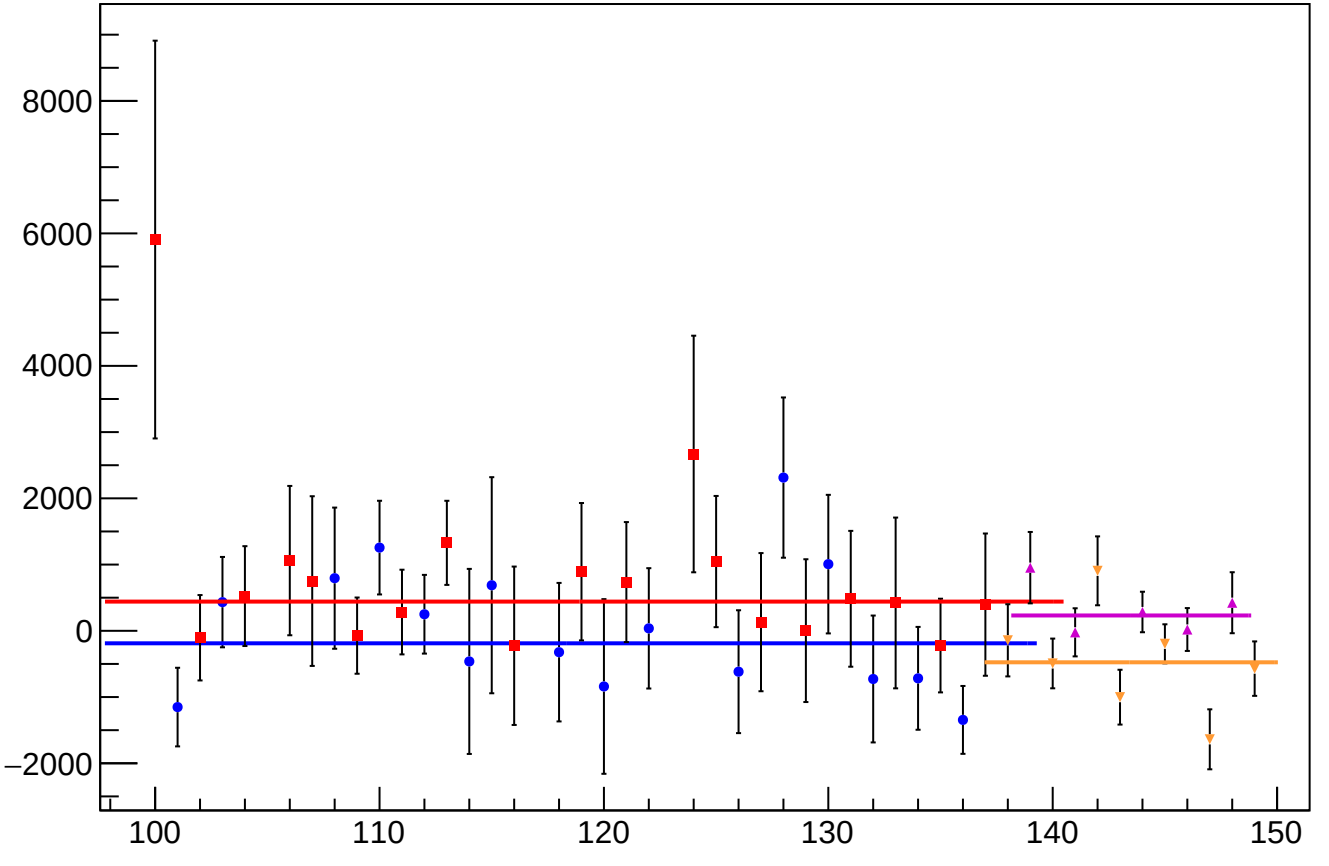
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 51.254+/-0.011 χ^2/NDF:708931.8/20

Out: 50.421+/-0.010 χ^2/NDF:775282.0/25

All: 50.812+/-0.007 χ^2/NDF: 1487310.7/46

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: -475.344+/-153.747 χ^2/NDF:16.6/6

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: -150.382+/-113.021 χ^2/NDF: 29.2/11

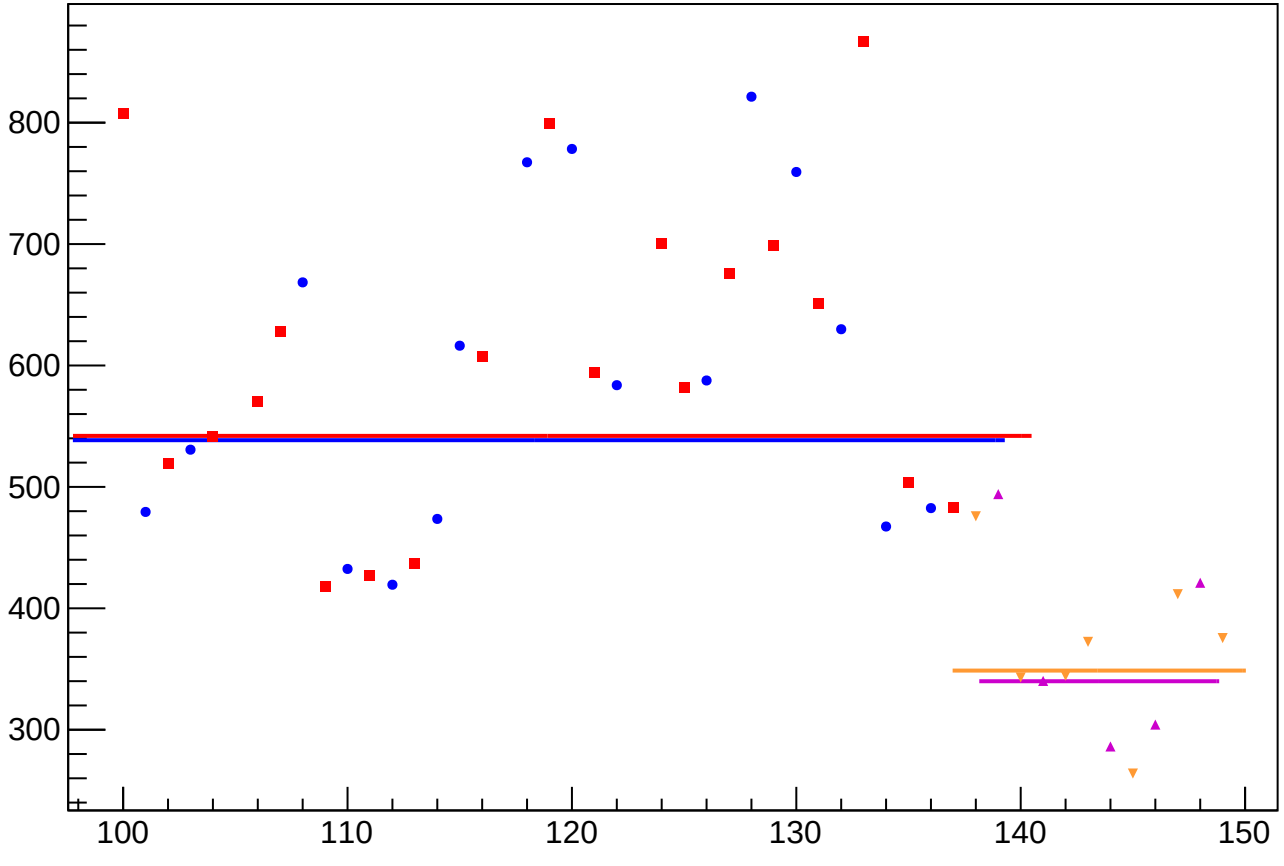
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 65.201+/-129.543 χ^2/NDF:26.8/20

Out: -143.568+/-122.806 χ^2/NDF:40.3/25

All: -44.754+/-89.123 χ^2/NDF: 68.5/46

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: 348.723+/-0.109 χ^2/NDF:328527.4/6

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 339.945+/-0.118 χ^2/NDF:311632.6/4

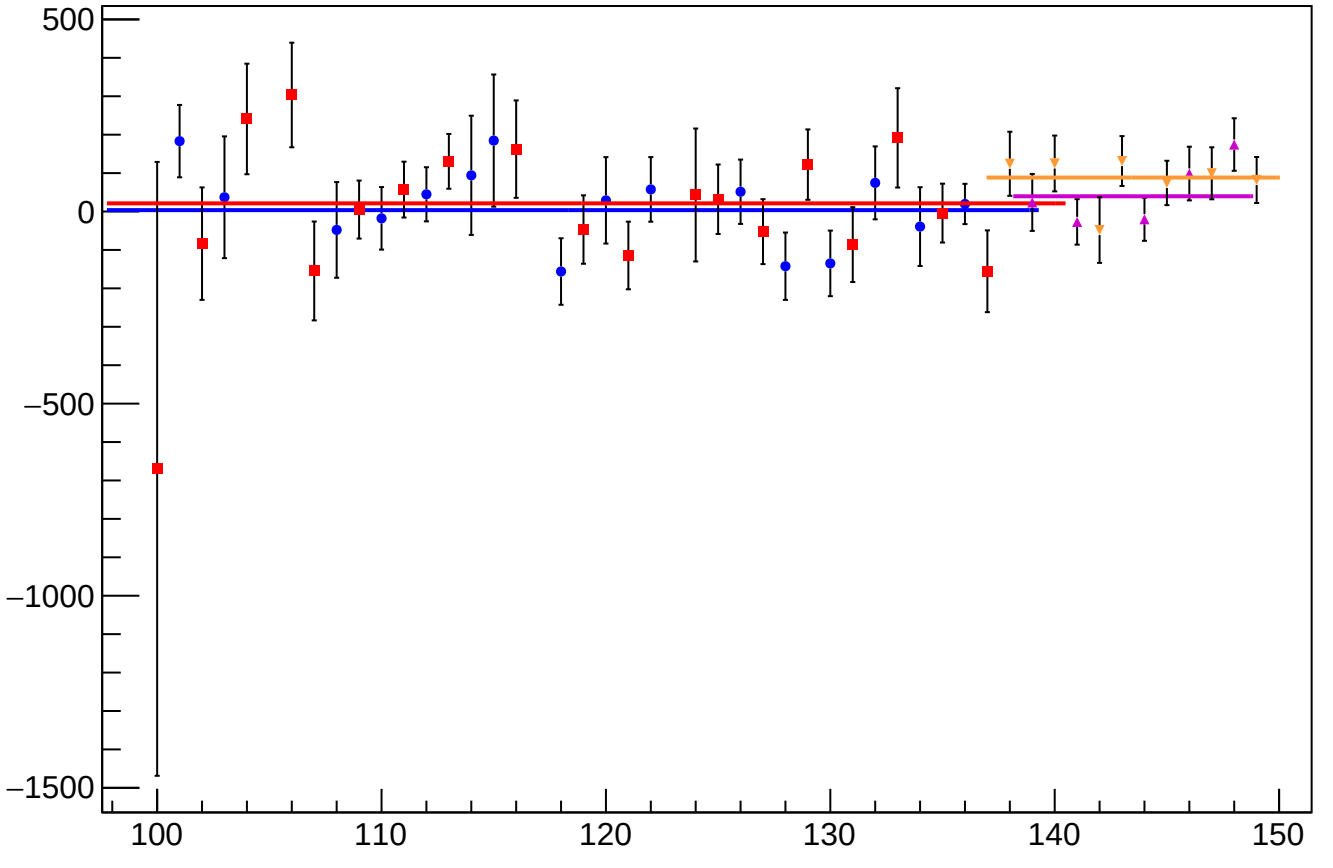
Left: 344.689+/-0.080 χ^2/NDF: 643156.6/11

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.596+/-0.092 χ^2/NDF:2049297.0/20

Out: 418.698+/-0.087 χ^2/NDF:2104525.3/25

All: 418.650+/-0.063 χ^2/NDF: 4153823.0/46



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.432+/-25.779 χ^2/NDF:3.5/6

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: 66.747+/-19.214 χ^2/NDF: 12.2/11

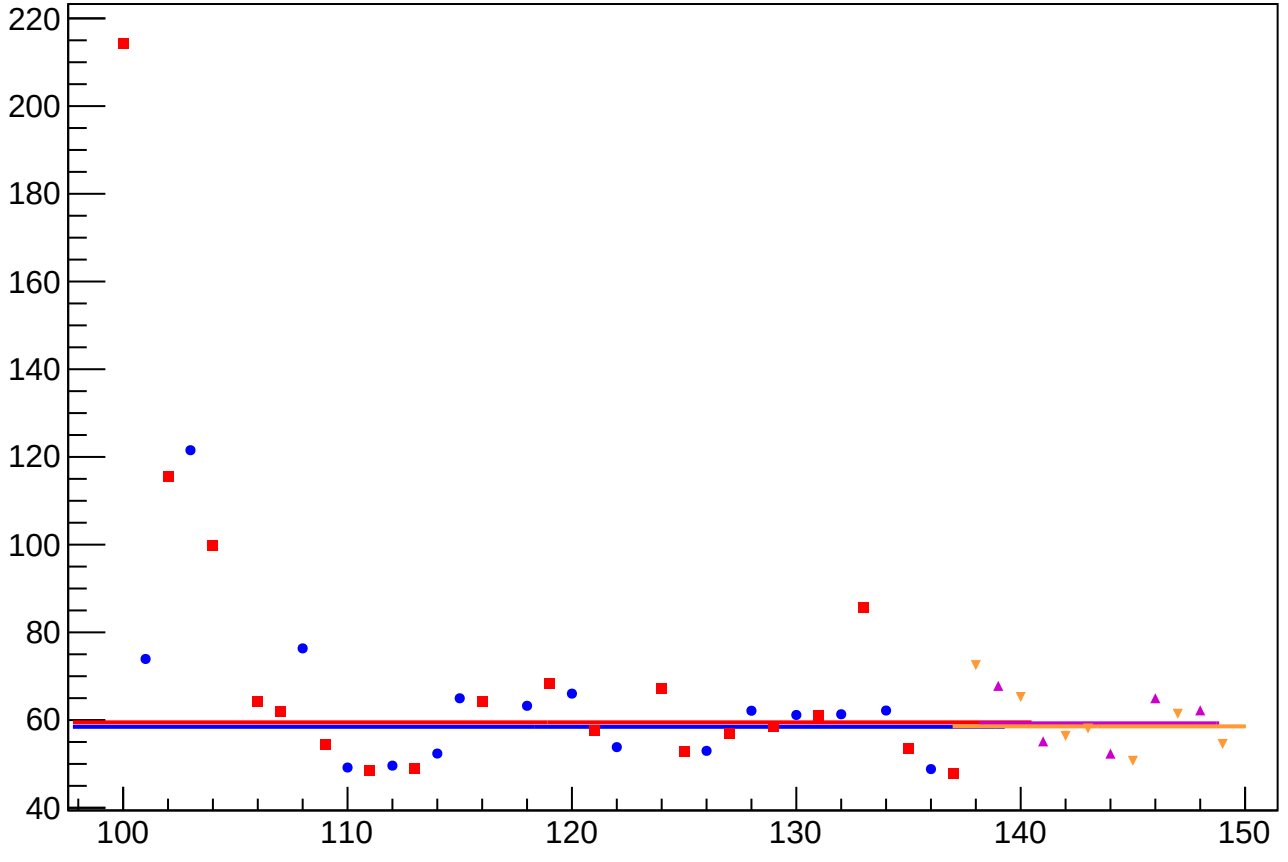
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 17.234+/-17.725 χ^2/NDF:24.2/20

Out: 50.693+/-17.065 χ^2/NDF:31.8/25

All: 34.598+/-12.294 χ^2/NDF: 57.8/46

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.566+/-0.018 χ^2/NDF:124098.7/6

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 59.256+/-0.020 χ^2/NDF:83755.7/4

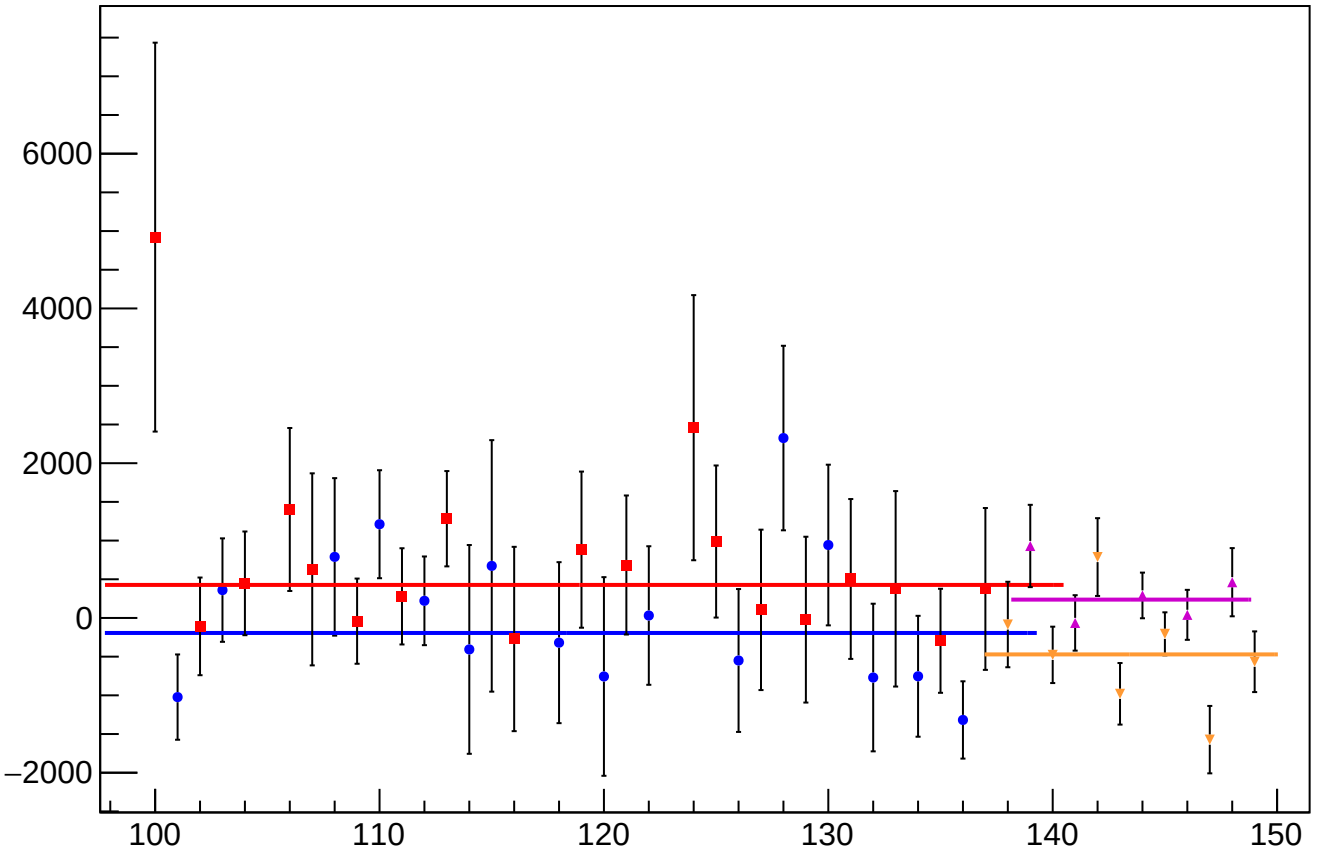
Left: 58.873+/-0.014 χ^2/NDF: 208490.0/11

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.764+/-0.013 χ^2/NDF:667675.0/20

Out: 59.082+/-0.012 χ^2/NDF:910402.4/25

All: 58.929+/-0.009 χ^2/NDF: 1578410.5/46



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -470.992+/-147.780 χ^2/NDF:15.8/6

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 237.032+/-163.190 χ^2/NDF:3.1/4

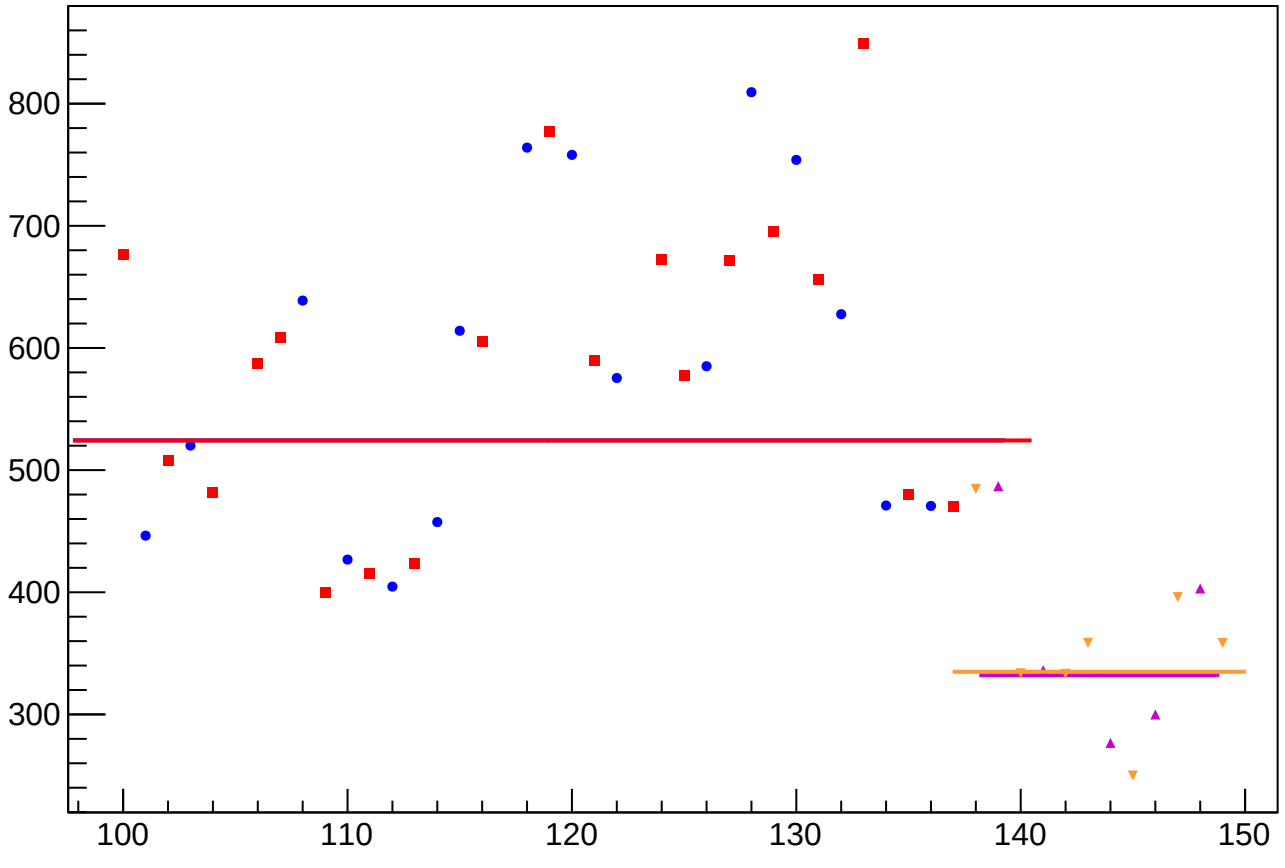
Left: -151.981+/-109.540 χ^2/NDF: 29.2/11

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 65.421+/-126.592 χ^2/NDF:26.6/20

Out: -147.651+/-118.216 χ^2/NDF:40.4/25

All: -48.397+/-86.401 χ^2/NDF: 68.5/46



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 334.916+/-0.104 χ^2/NDF:387254.3/6

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 332.110+/-0.115 χ^2/NDF:311996.0/4

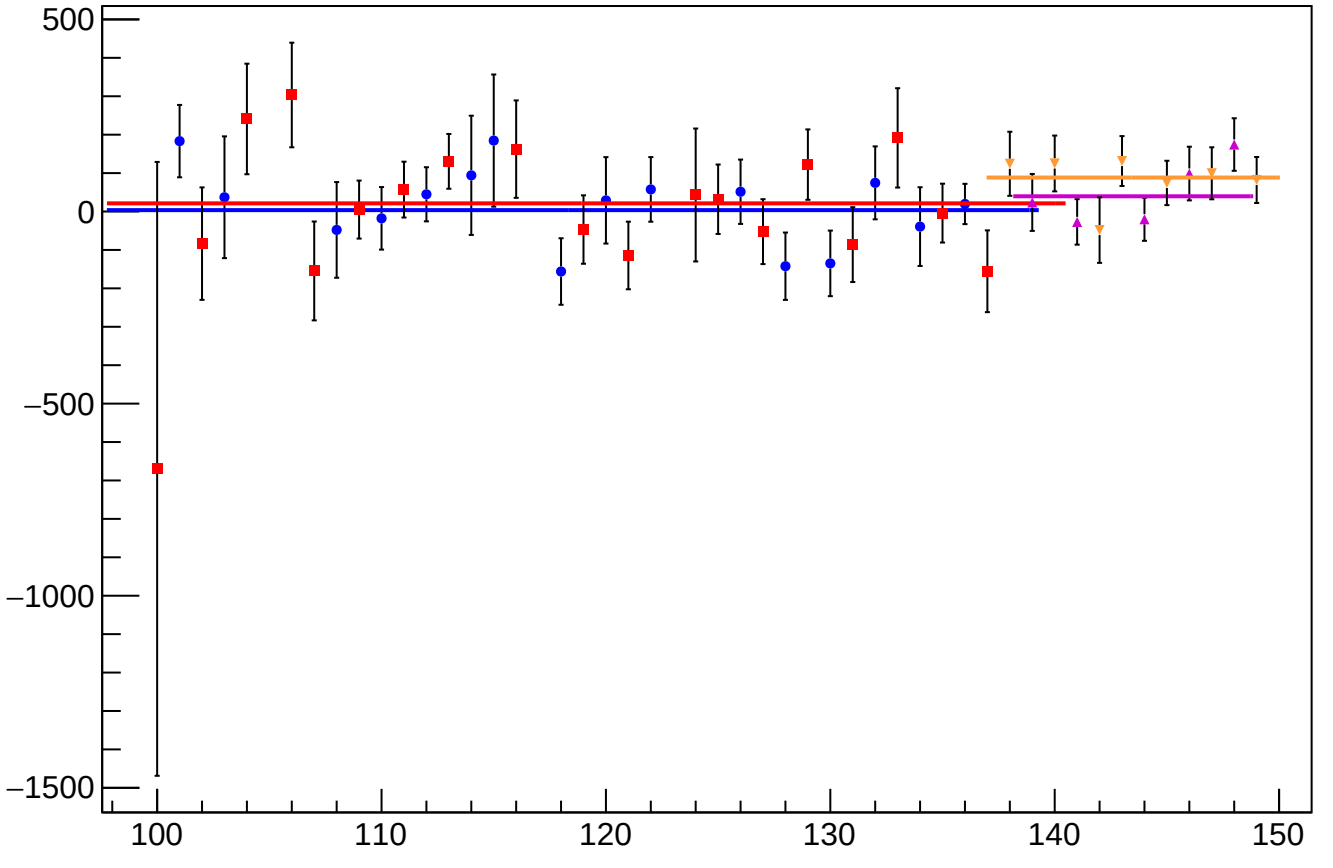
Left: 333.651+/-0.077 χ^2/NDF: 699575.2/11

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 408.657+/-0.090 χ^2/NDF:2075486.1/20

Out: 403.112+/-0.084 χ^2/NDF:2256135.2/25

All: 405.695+/-0.061 χ^2/NDF: 4333671.1/46



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.431+/-25.779 χ^2/NDF:3.5/6

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: 66.747+/-19.214 χ^2/NDF: 12.2/11

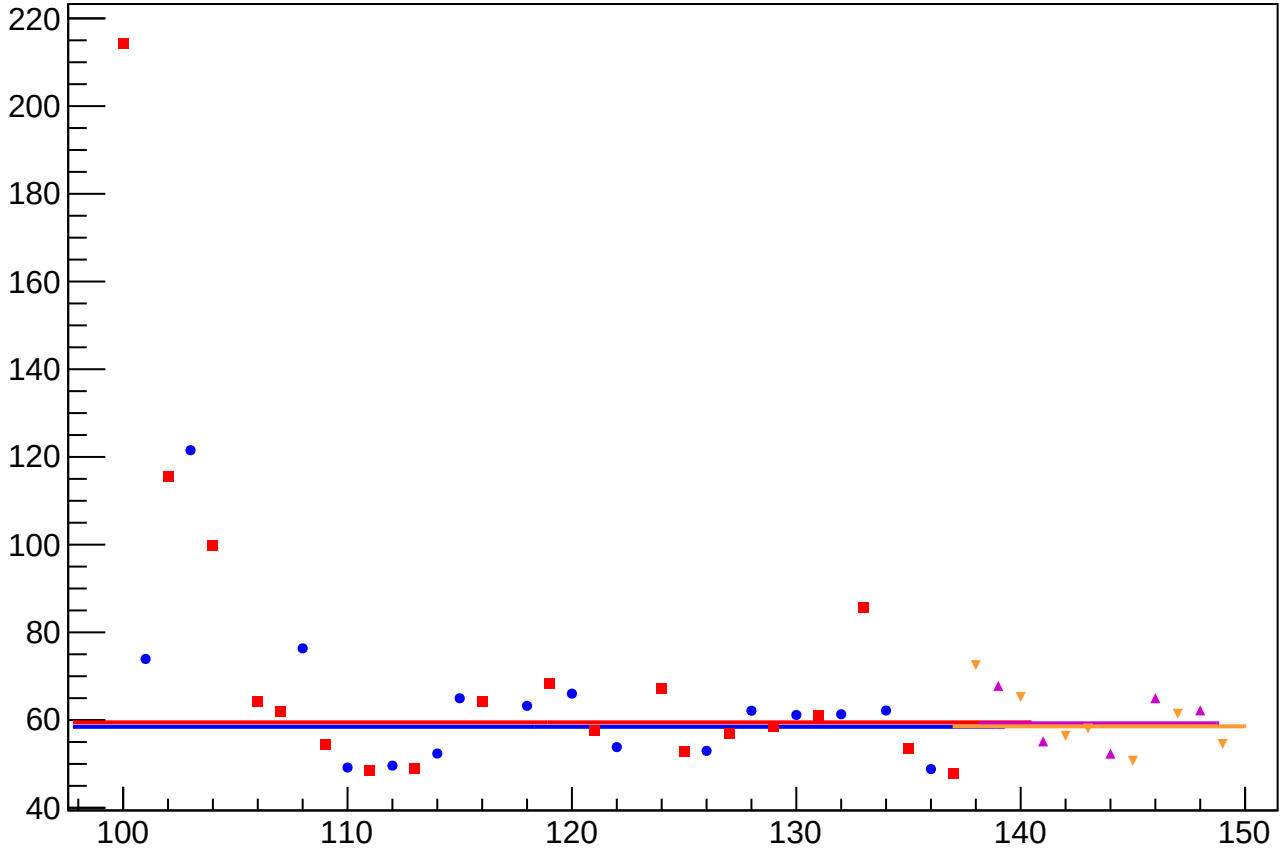
Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 17.234+/-17.725 χ^2/NDF:24.2/20

Out: 50.692+/-17.065 χ^2/NDF:31.8/25

All: 34.597+/-12.294 χ^2/NDF: 57.8/46

eigen_dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.567+/-0.018 χ^2/NDF:124098.6/6

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: 58.873+/-0.014 χ^2/NDF: 208488.5/11

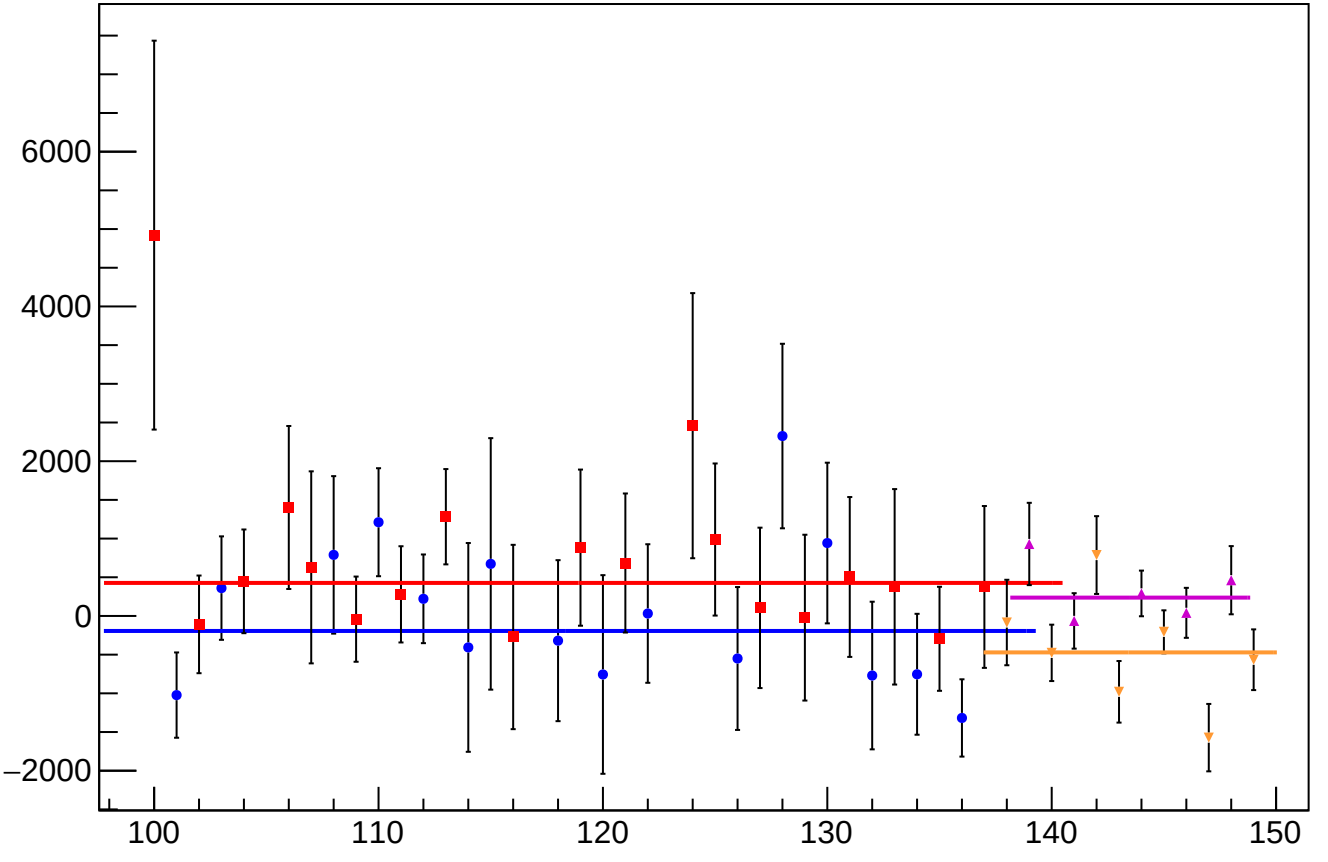
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.765+/-0.013 χ^2/NDF:667670.3/20

Out: 59.082+/-0.012 χ^2/NDF:910402.0/25

All: 58.929+/-0.009 χ^2/NDF: 1578405.6/46

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: -470.993+/-147.779 χ^2/NDF:15.8/6

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 237.032+/-163.190 χ^2/NDF:3.1/4

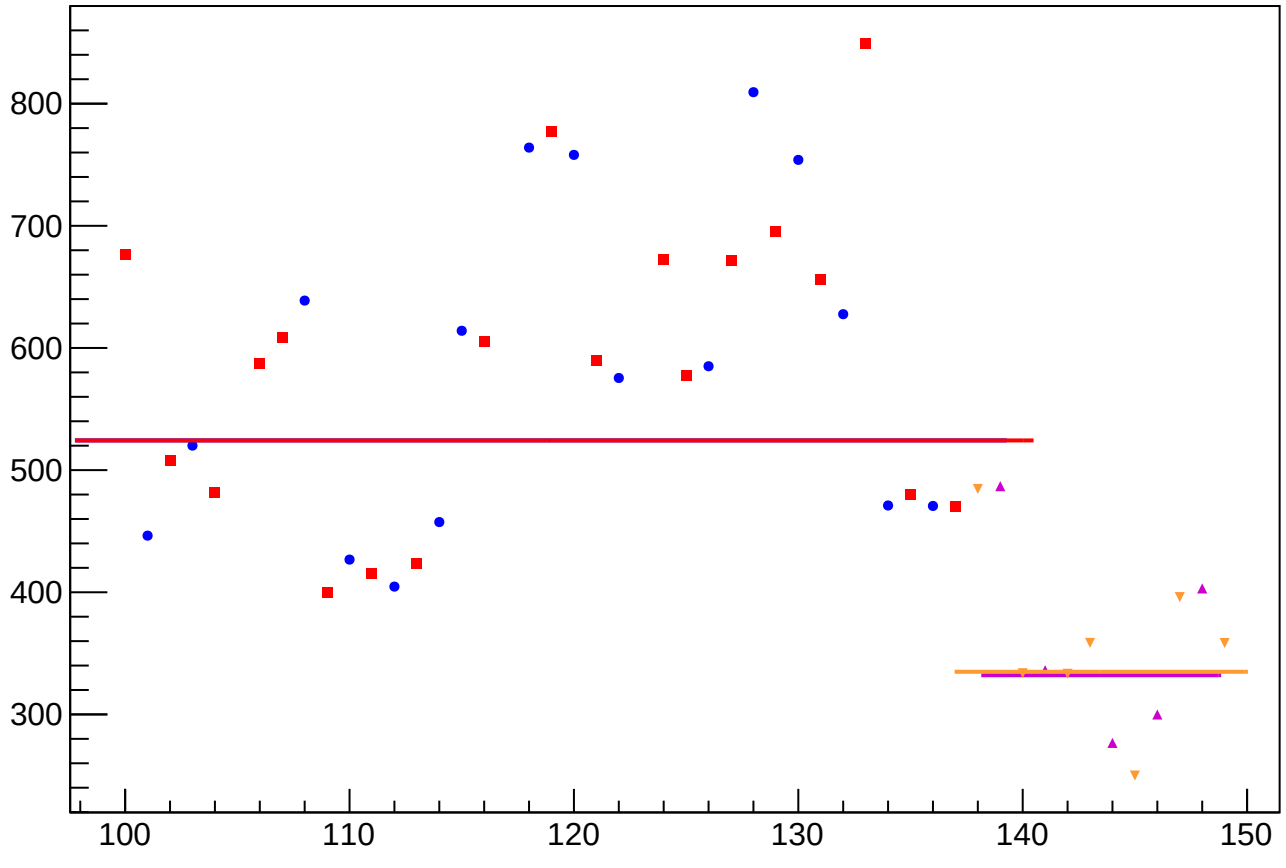
Left: -151.981+/-109.540 χ^2/NDF: 29.2/11

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 65.421+/-126.592 χ^2/NDF:26.6/20

Out: -147.651+/-118.216 χ^2/NDF:40.4/25

All: -48.397+/-86.401 χ^2/NDF: 68.5/46



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 334.916+/-0.104 χ^2/NDF:387255.7/6

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: 333.651+/-0.077 χ^2/NDF: 699578.0/11

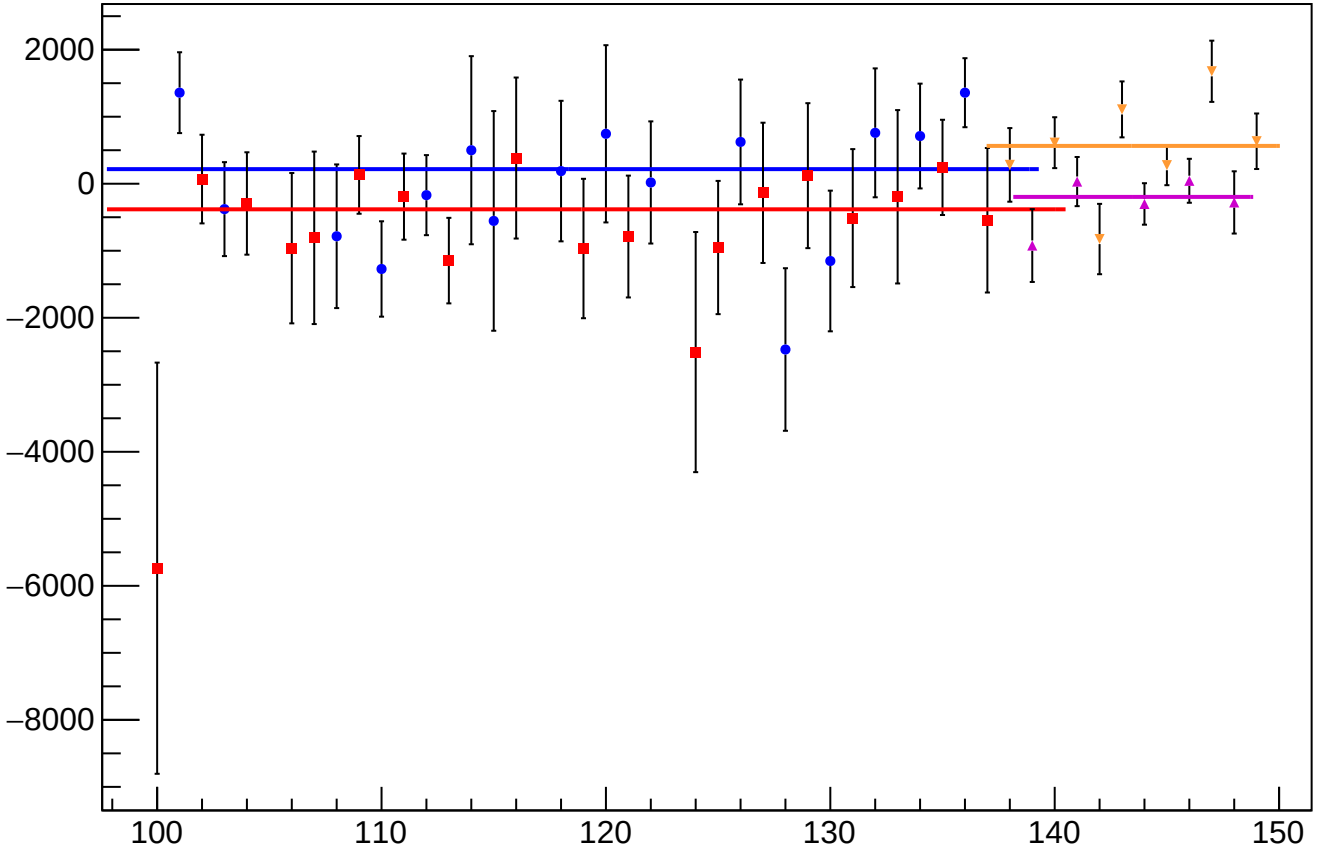
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 408.656+/-0.090 χ^2/NDF:2075482.9/20

Out: 403.111+/-0.084 χ^2/NDF:2256129.7/25

All: 405.694+/-0.061 χ^2/NDF: 4333662.4/46

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 564.415+/-155.337 χ^2/NDF:15.9/6

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: 214.948+/-114.232 χ^2/NDF: 29.8/11

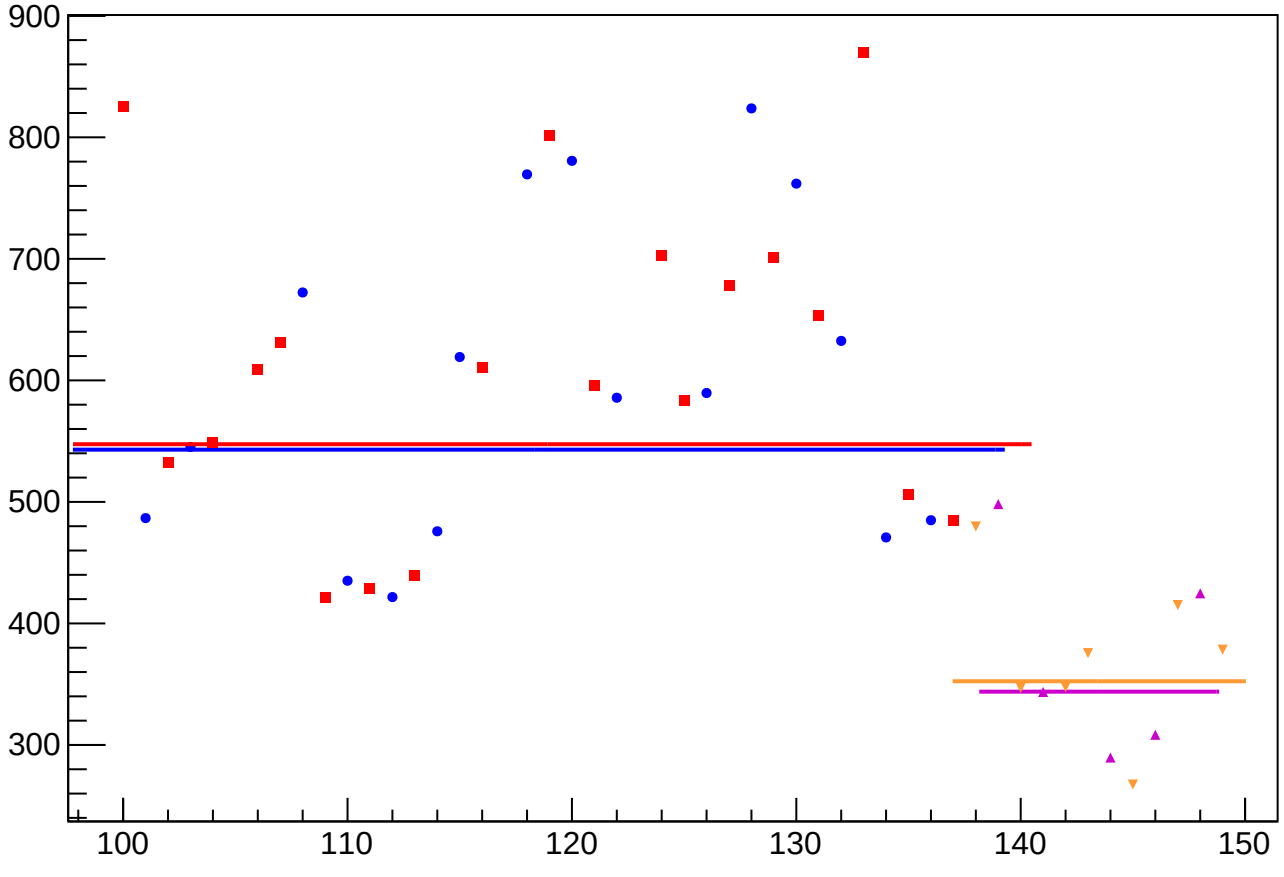
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -31.852+/-130.835 χ^2/NDF:28.2/20

Out: 220.525+/-123.936 χ^2/NDF:39.4/25

All: 101.165+/-89.976 χ^2/NDF: 69.5/46

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 352.430+/-0.110 χ^2/NDF:321655.6/6

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 343.864+/-0.119 χ^2/NDF:306756.6/4

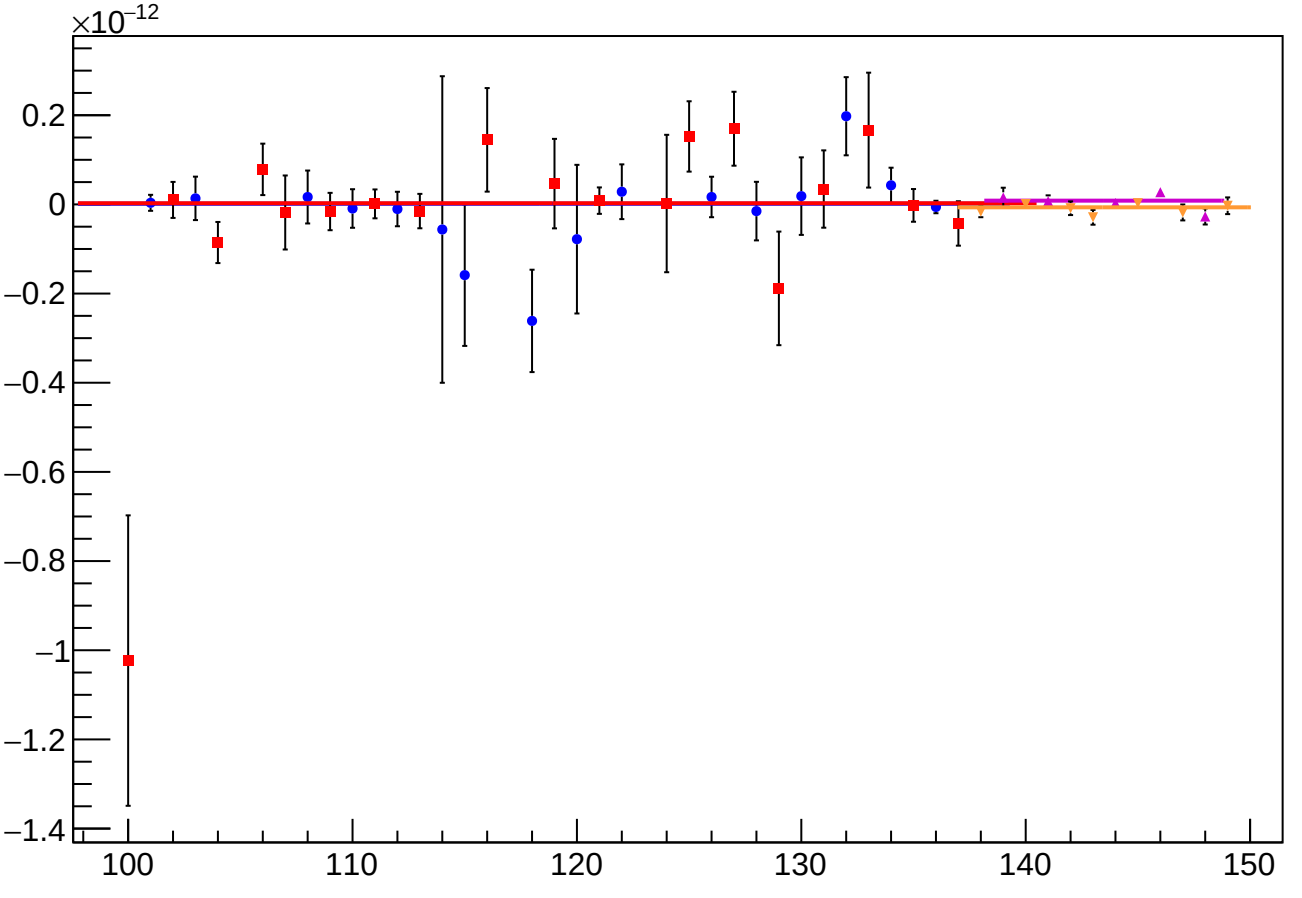
Left: 348.496+/-0.081 χ^2/NDF: 631205.5/11

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 423.039+/-0.093 χ^2/NDF:2021705.4/20

Out: 423.310+/-0.088 χ^2/NDF:2097768.4/25

All: 423.182+/-0.064 χ^2/NDF: 4119478.4/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/4

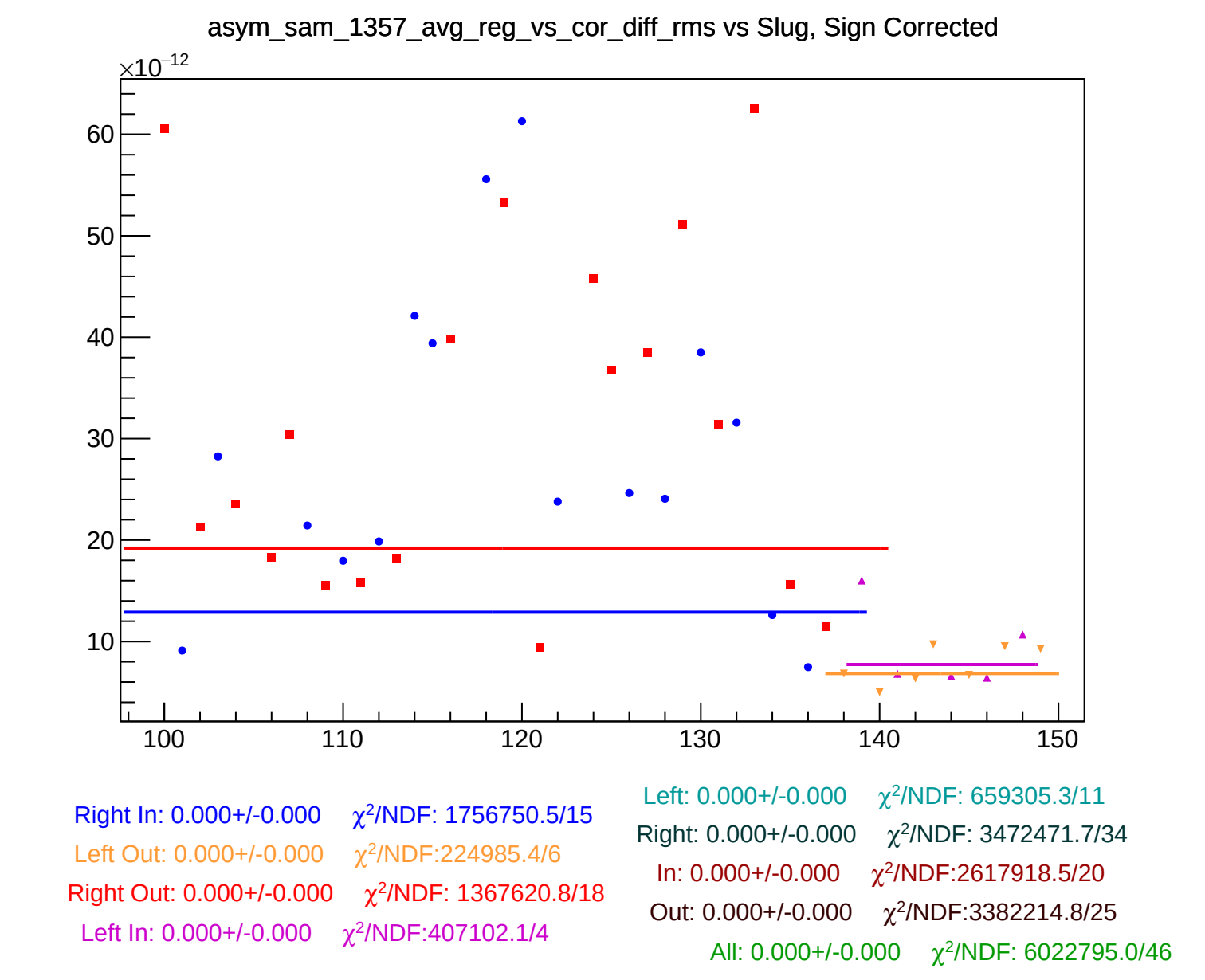
Left: -0.000+/-0.000 χ^2/NDF: 15.4/11

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

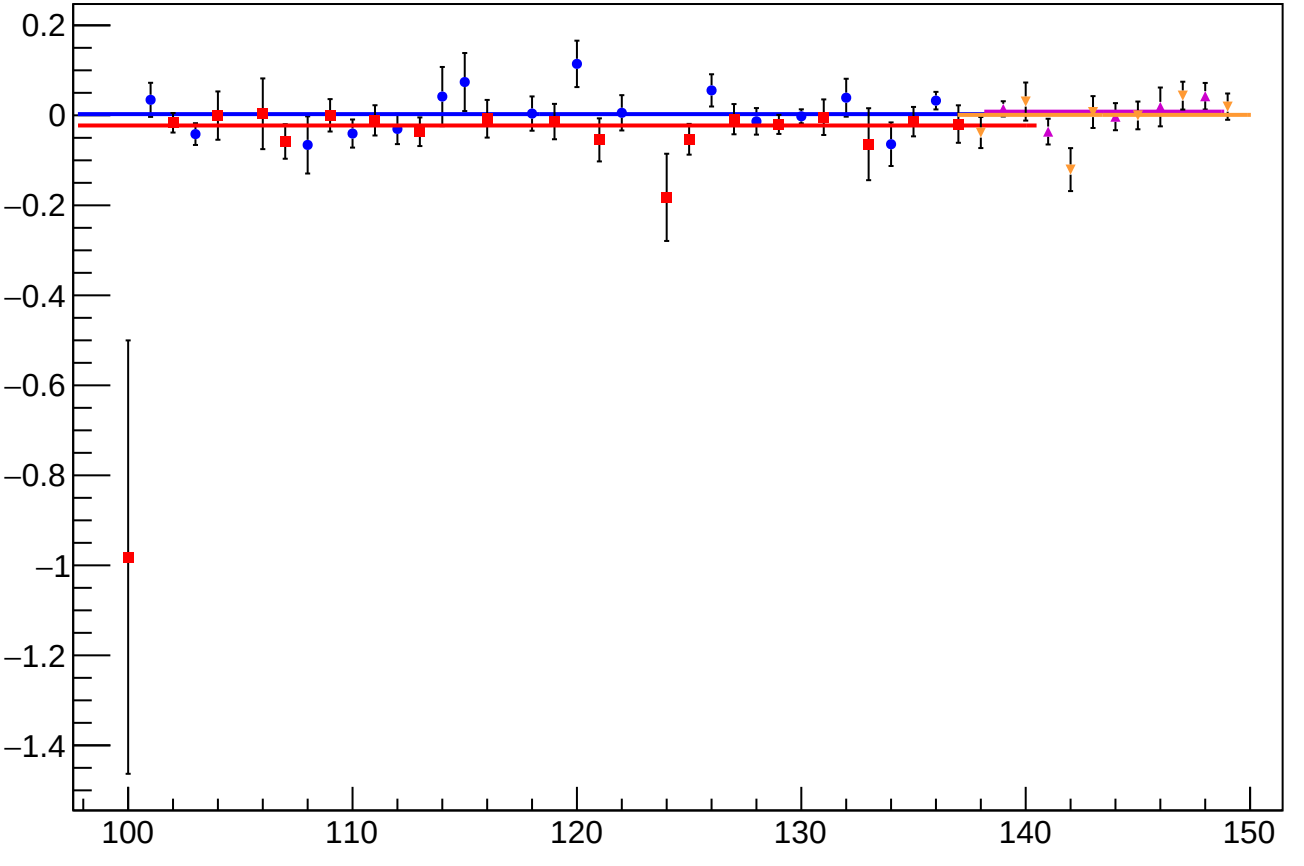
In: 0.000+/-0.000 χ^2/NDF:21.2/20

Out: -0.000+/-0.000 χ^2/NDF:35.0/25

All: -0.000+/-0.000 χ^2/NDF: 59.1/46


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:224985.4/6
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: 659305.3/11
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:3382214.8/25
All: 0.000+/-0.000 χ²/NDF: 6022795.0/46

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: 0.001+/-0.013 χ^2/NDF:10.6/6

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.012 χ^2/NDF:4.1/4

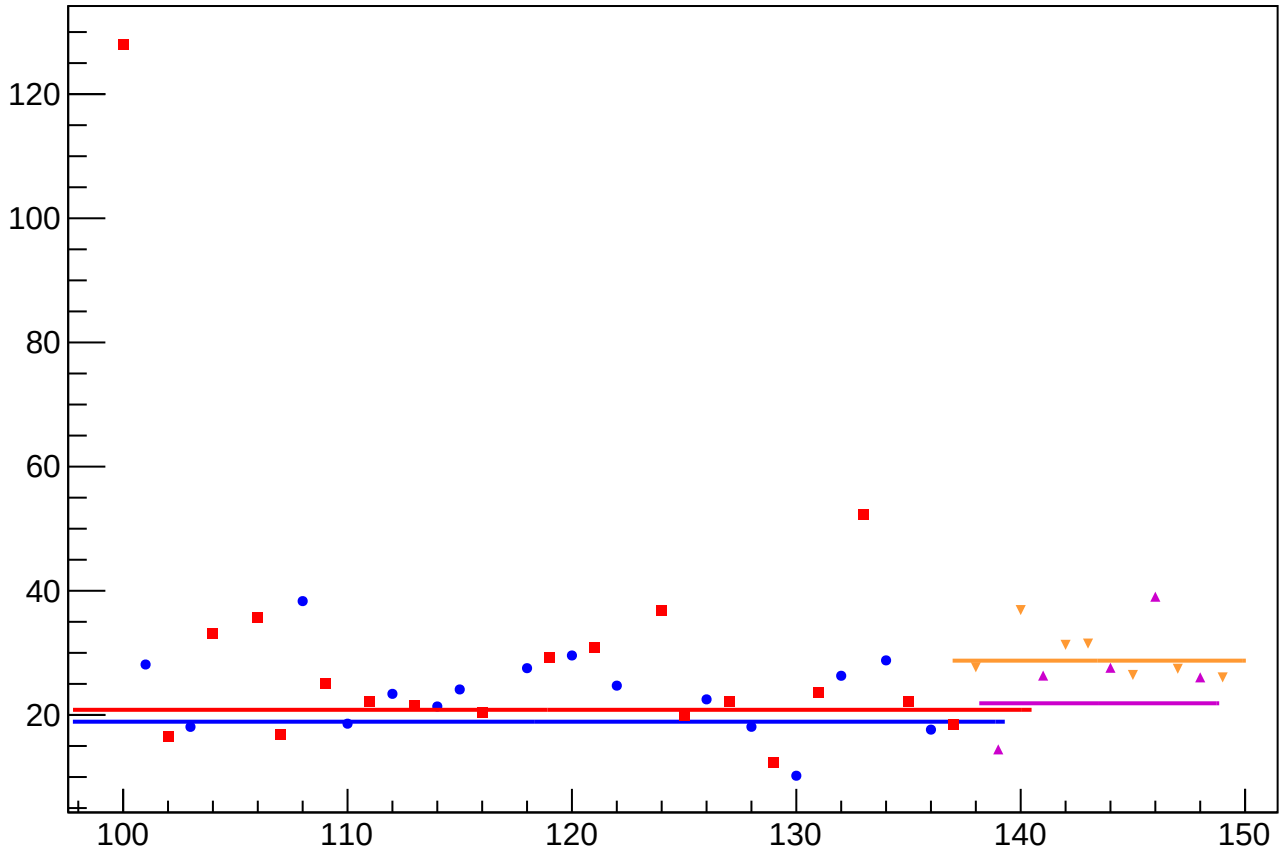
Left: 0.005+/-0.009 χ^2/NDF: 14.9/11

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.016+/-0.007 χ^2/NDF:23.7/25

All: -0.005+/-0.005 χ^2/NDF: 54.2/46



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 28.745+/-0.009 χ^2/NDF:125633.1/6

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

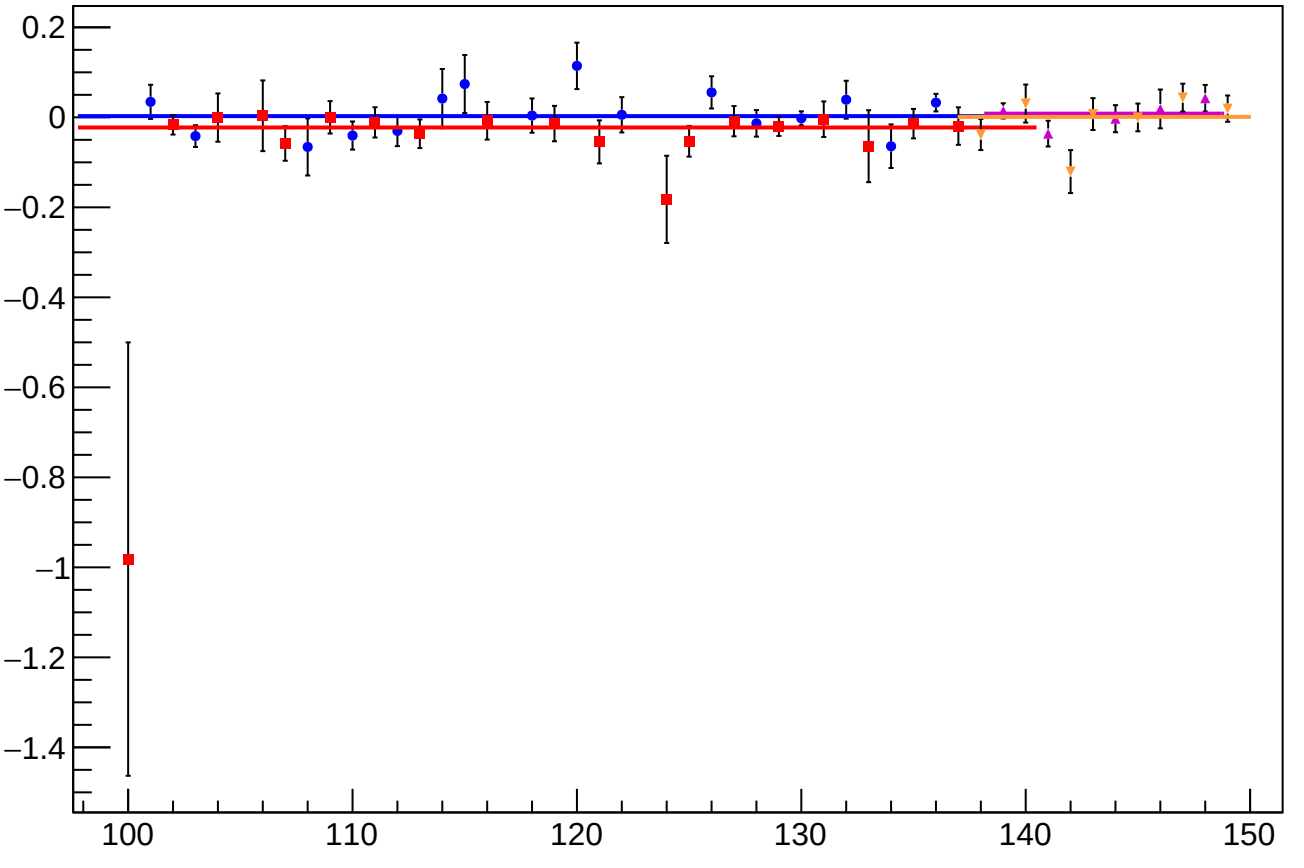
Left: 24.904+/-0.006 χ^2/NDF: 1298364.1/11

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.840+/-0.005 χ^2/NDF:2342060.8/20

Out: 23.175+/-0.005 χ^2/NDF:1938093.3/25

All: 21.355+/-0.003 χ^2/NDF: 4521671.8/46



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:10.6/6

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: 0.005+/-0.009 χ^2/NDF: 14.9/11

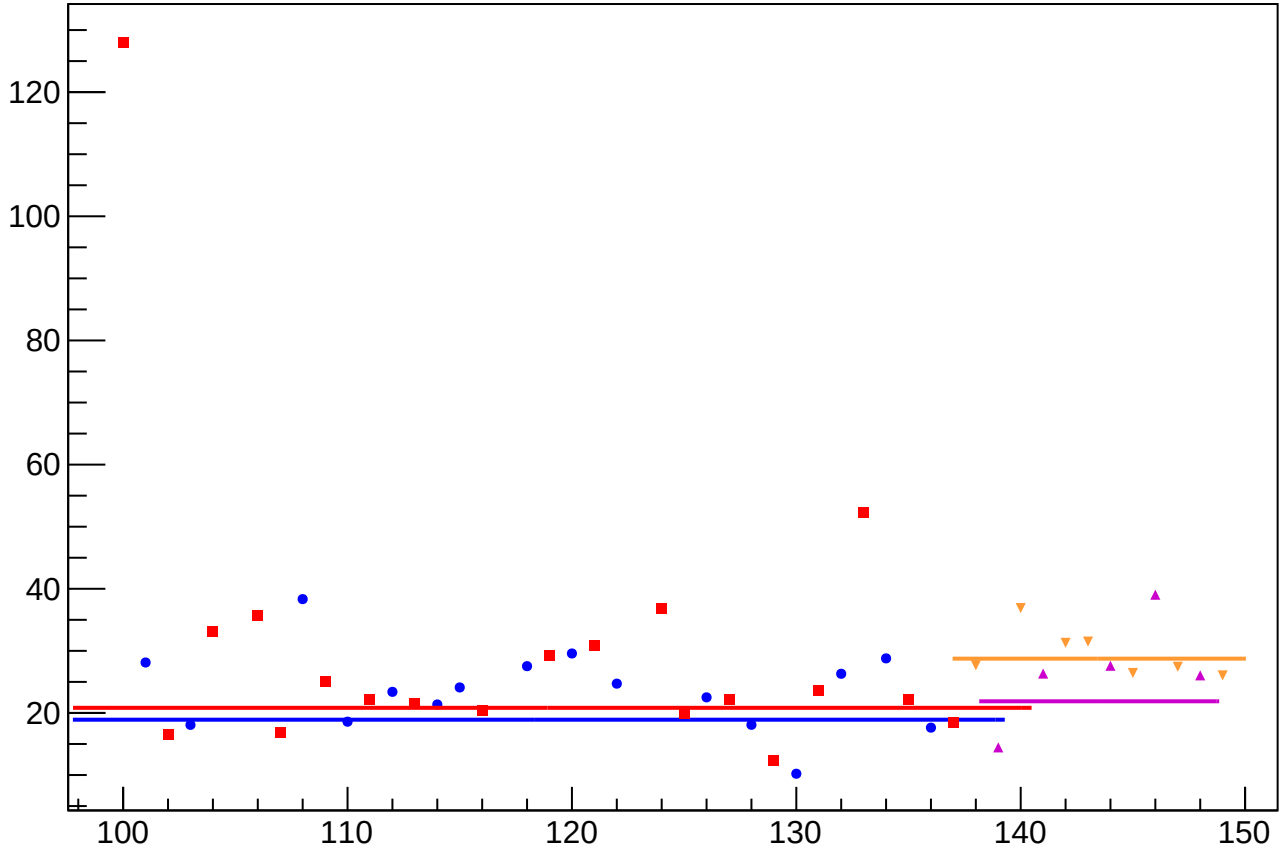
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.016+/-0.007 χ^2/NDF:23.7/25

All: -0.005+/-0.005 χ^2/NDF: 54.2/46

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: 28.745+/-0.009 χ^2/NDF:125633.1/6

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.877+/-0.008 χ^2/NDF:861216.7/4

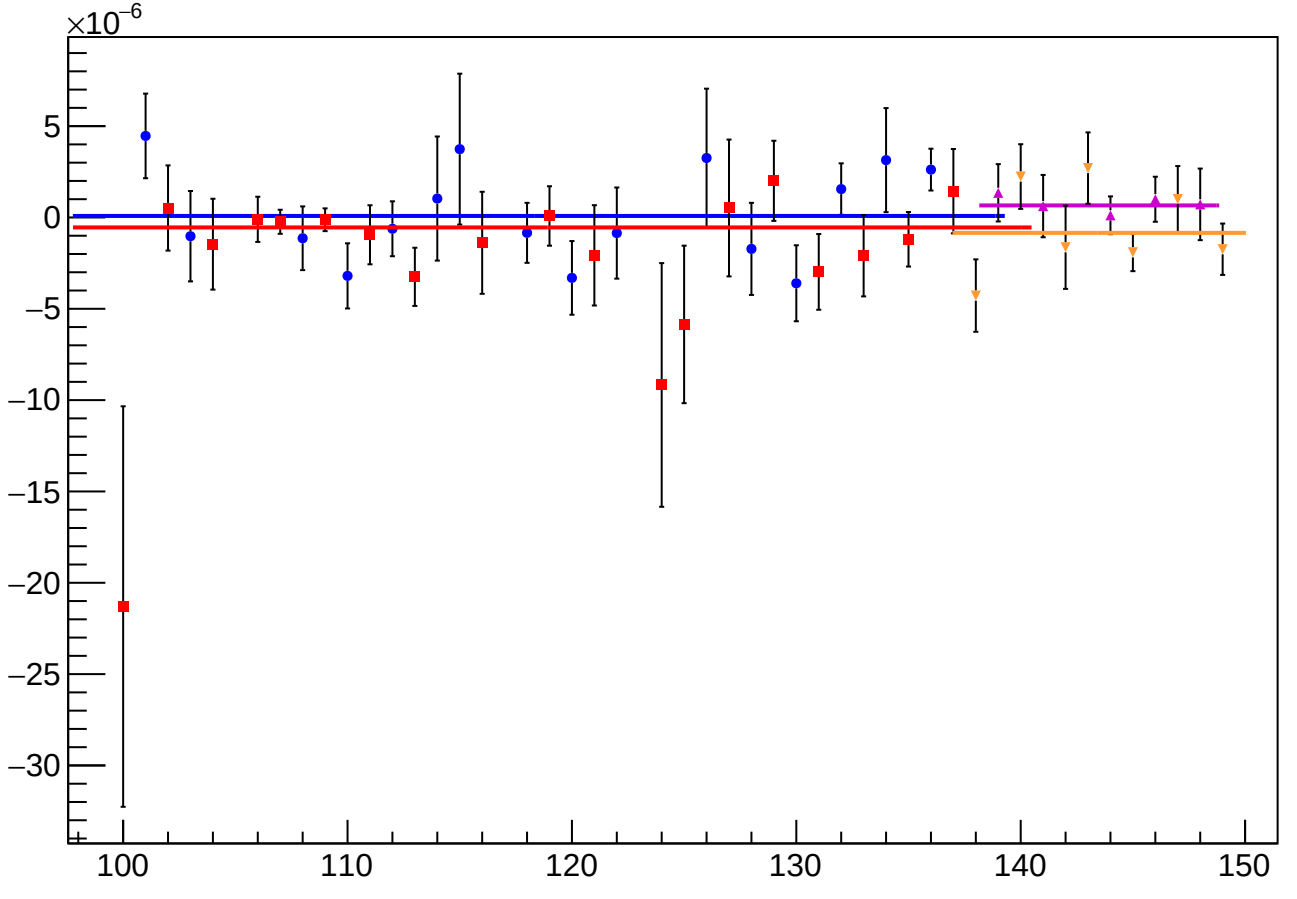
Left: 24.904+/-0.006 χ^2/NDF: 1298364.1/11

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.840+/-0.005 χ^2/NDF:2342060.8/20

Out: 23.175+/-0.005 χ^2/NDF:1938093.3/25

All: 21.355+/-0.003 χ^2/NDF: 4521671.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/4

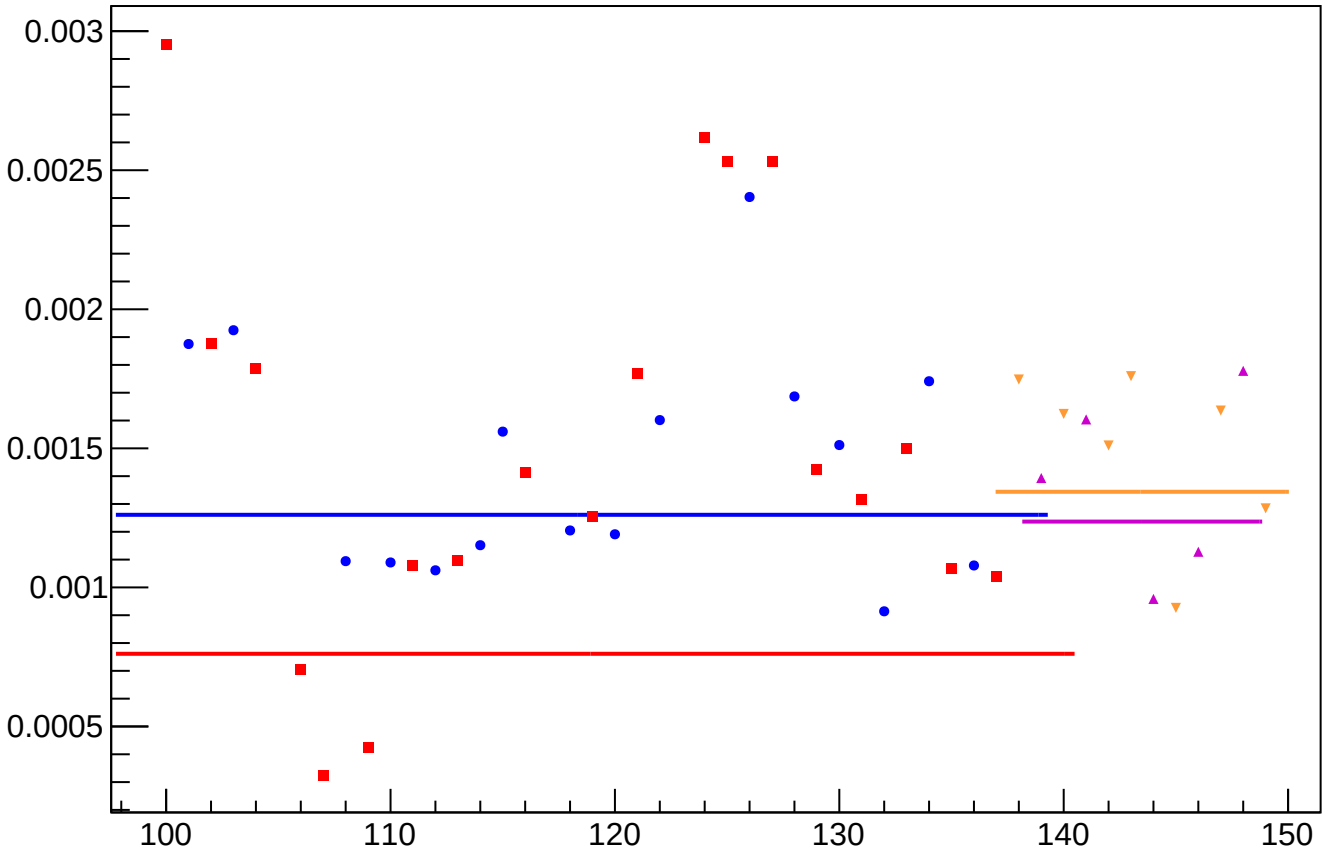
Left: -0.000+/-0.000 χ^2/NDF: 15.5/11

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:27.8/25

All: -0.000+/-0.000 χ^2/NDF: 56.0/46



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:617285.1/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:425617.9/4

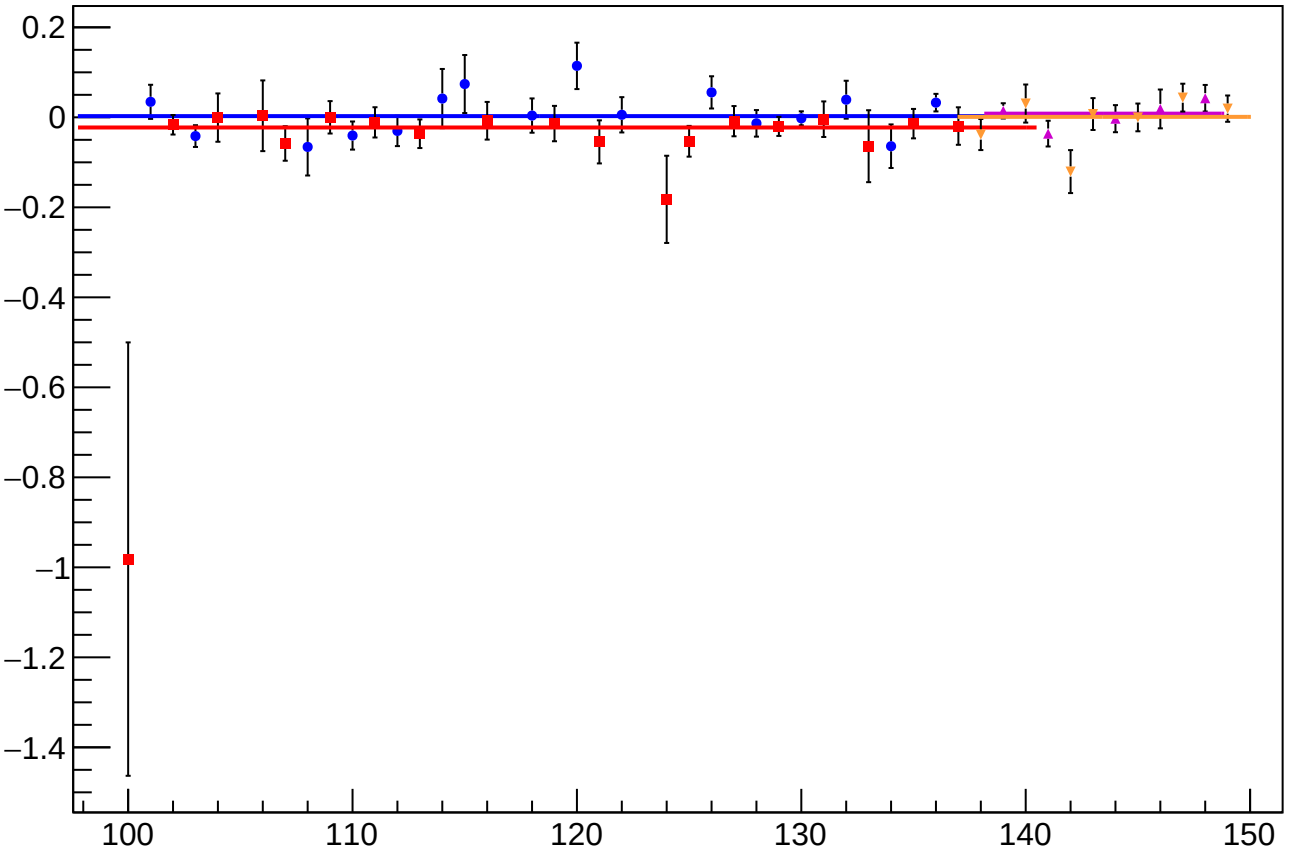
Left: 0.001+/-0.000 χ^2/NDF: 1073797.9/11

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:6720920.5/25

All: 0.001+/-0.000 χ^2/NDF: 9102808.4/46



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:10.6/6

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: 0.005+/-0.009 χ^2/NDF: 14.9/11

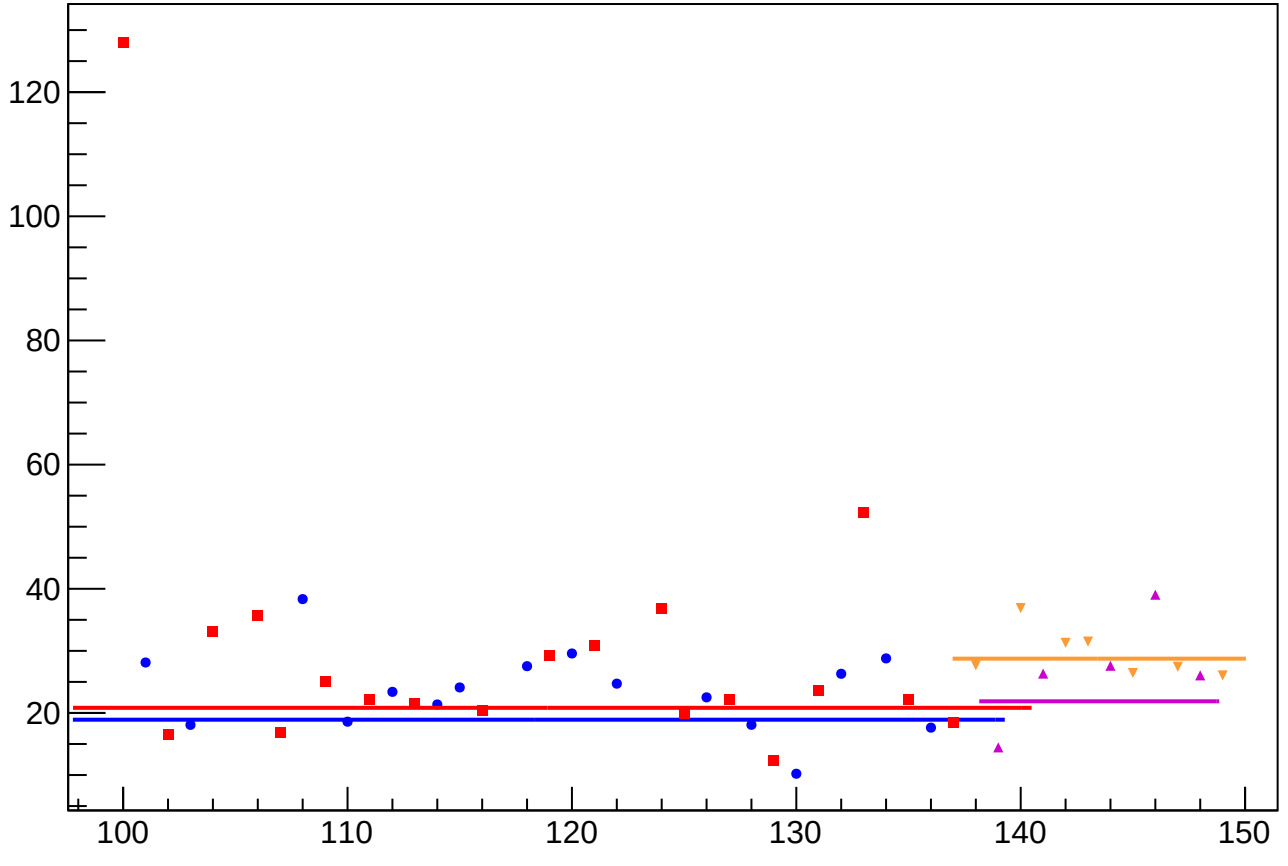
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.016+/-0.007 χ^2/NDF:23.7/25

All: -0.005+/-0.005 χ^2/NDF: 54.2/46

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: 28.746+/-0.009 χ^2/NDF:125638.9/6

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: 24.905+/-0.006 χ^2/NDF: 1298265.7/11

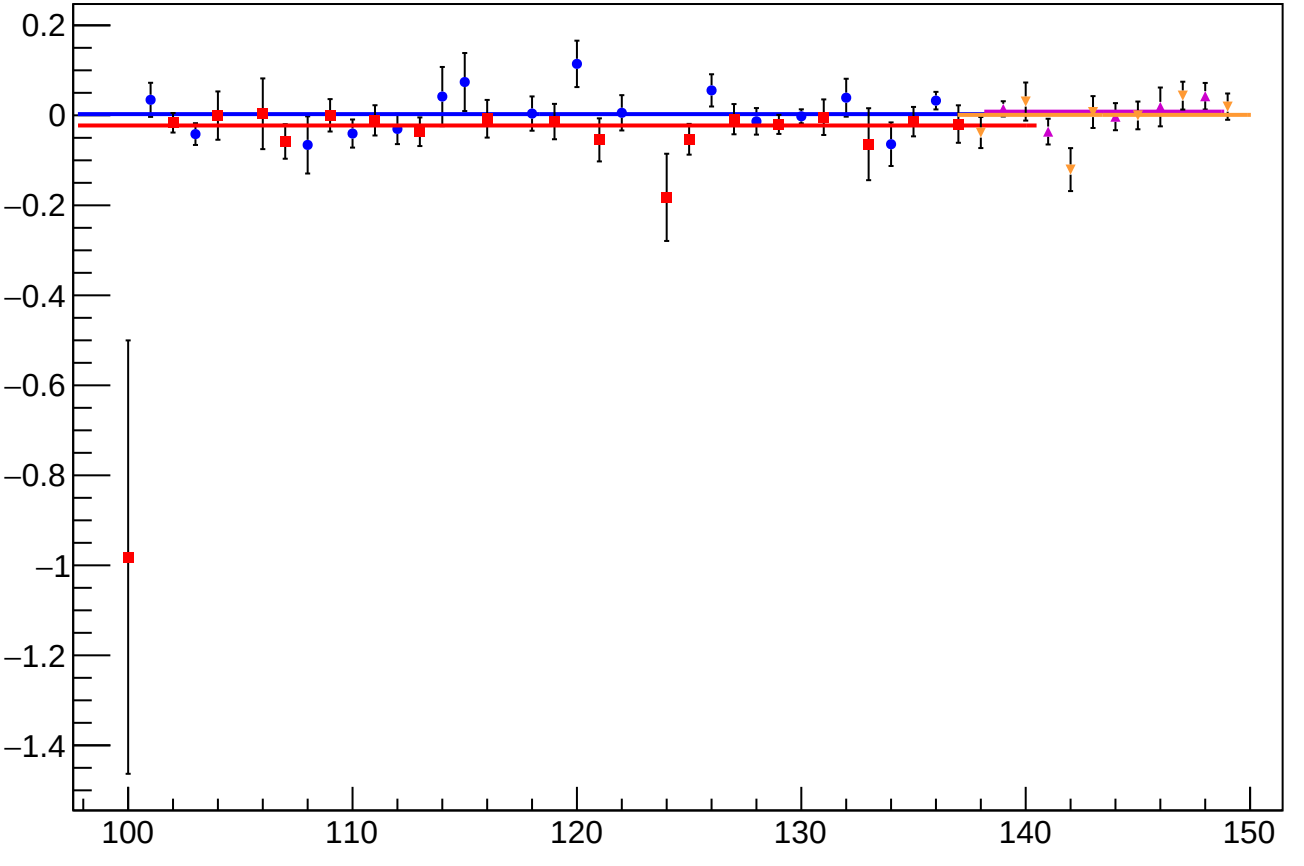
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.841+/-0.005 χ^2/NDF:2341890.1/20

Out: 23.175+/-0.005 χ^2/NDF:1938113.5/25

All: 21.356+/-0.003 χ^2/NDF: 4521482.0/46

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:10.6/6

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: 0.005+/-0.009 χ^2/NDF: 14.9/11

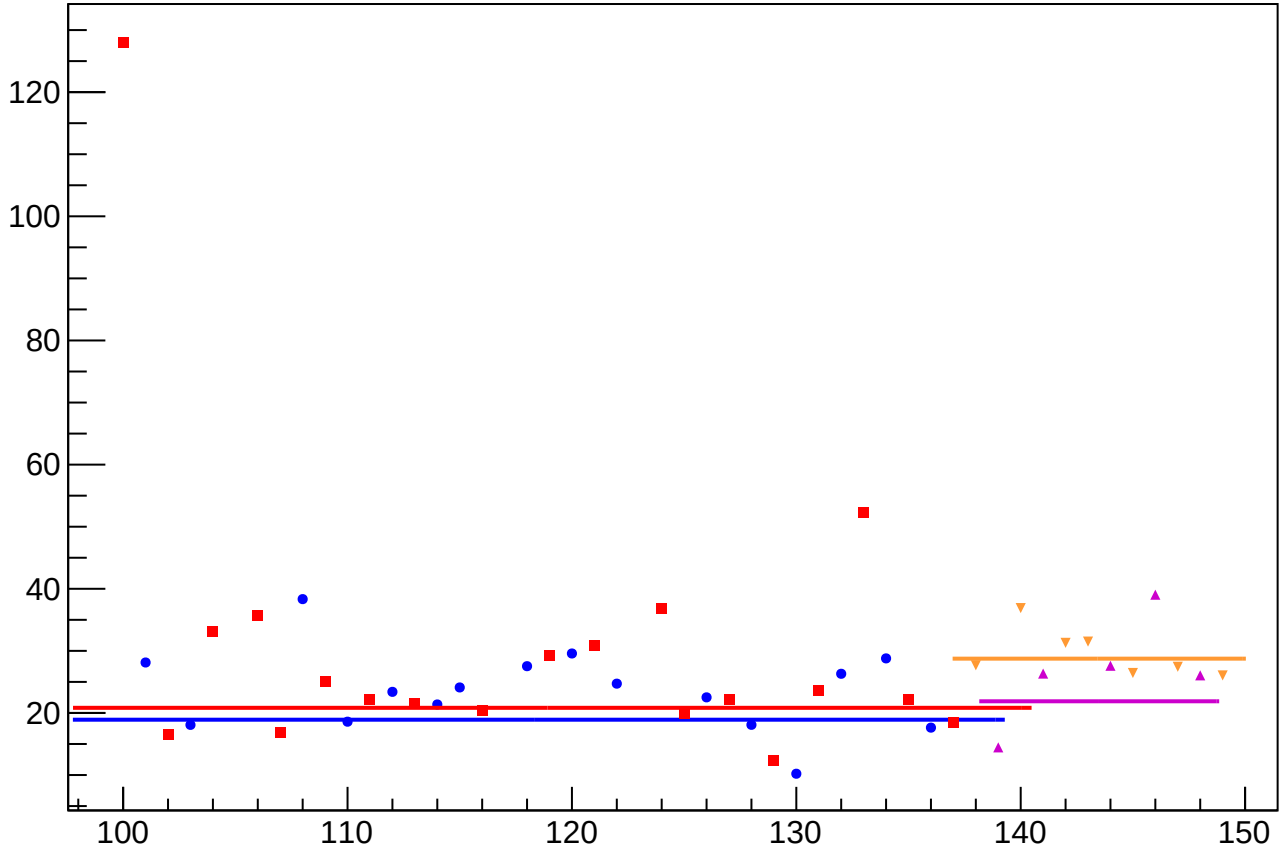
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:26.2/20

Out: -0.016+/-0.007 χ^2/NDF:23.7/25

All: -0.005+/-0.005 χ^2/NDF: 54.2/46

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: 28.746+/-0.009 χ^2/NDF:125638.9/6

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.878+/-0.008 χ^2/NDF:861147.5/4

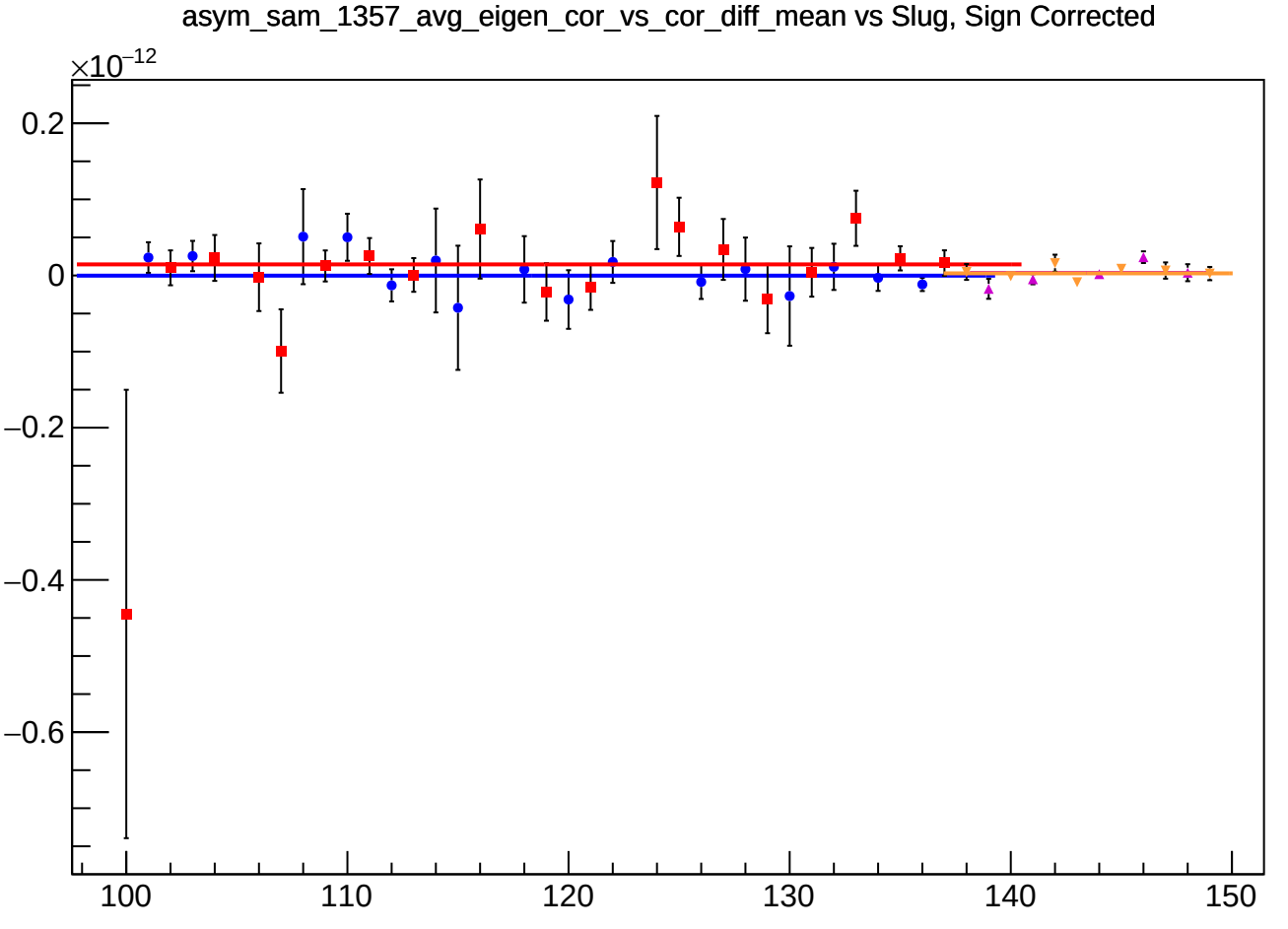
Left: 24.905+/-0.006 χ^2/NDF: 1298265.7/11

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.841+/-0.005 χ^2/NDF:2341890.1/20

Out: 23.175+/-0.005 χ^2/NDF:1938113.5/25

All: 21.356+/-0.003 χ^2/NDF: 4521482.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/4

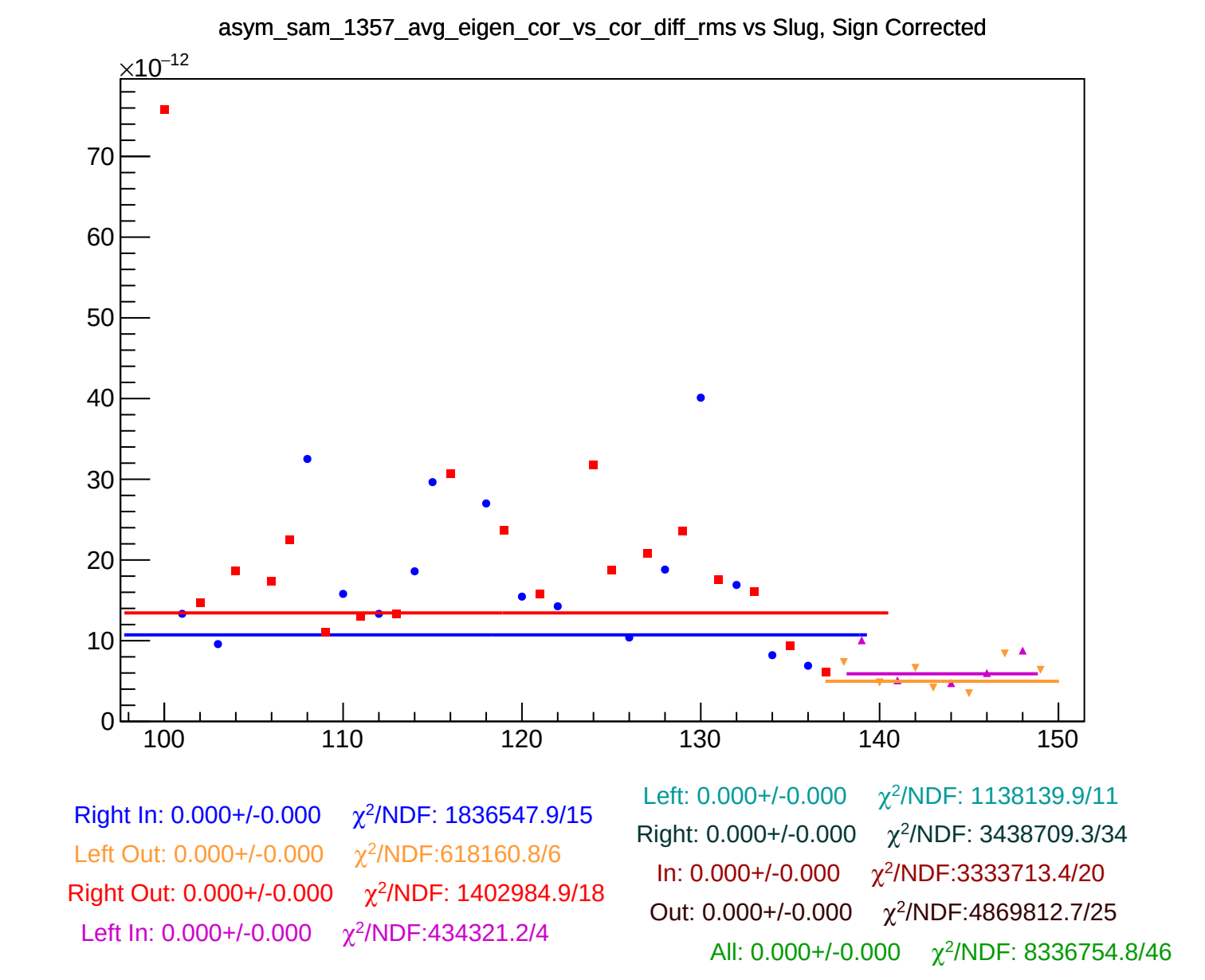
Left: 0.000+/-0.000 χ^2/NDF: 18.3/11

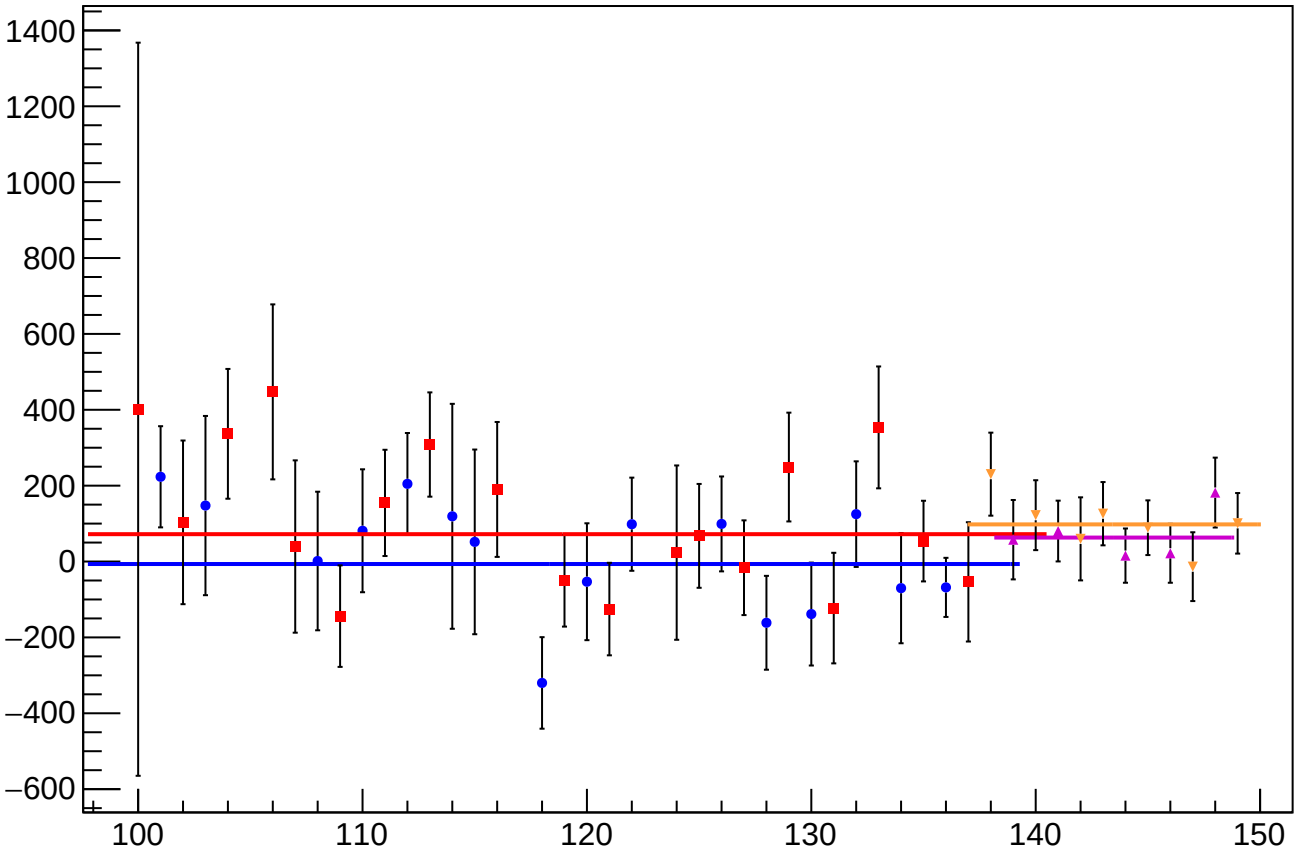
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:22.3/20

Out: 0.000+/-0.000 χ^2/NDF:27.2/25

All: 0.000+/-0.000 χ^2/NDF: 49.8/46


asym_sam_1357_avg_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: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:618160.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:434321.2/4
Left: 0.000+/-0.000 χ²/NDF: 1138139.9/11
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3333713.4/20
Out: 0.000+/-0.000 χ²/NDF:4869812.7/25
All: 0.000+/-0.000 χ²/NDF: 8336754.8/46



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.907+/-33.342 χ^2/NDF:3.3/6

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: 82.382+/-24.802 χ^2/NDF: 6.2/11

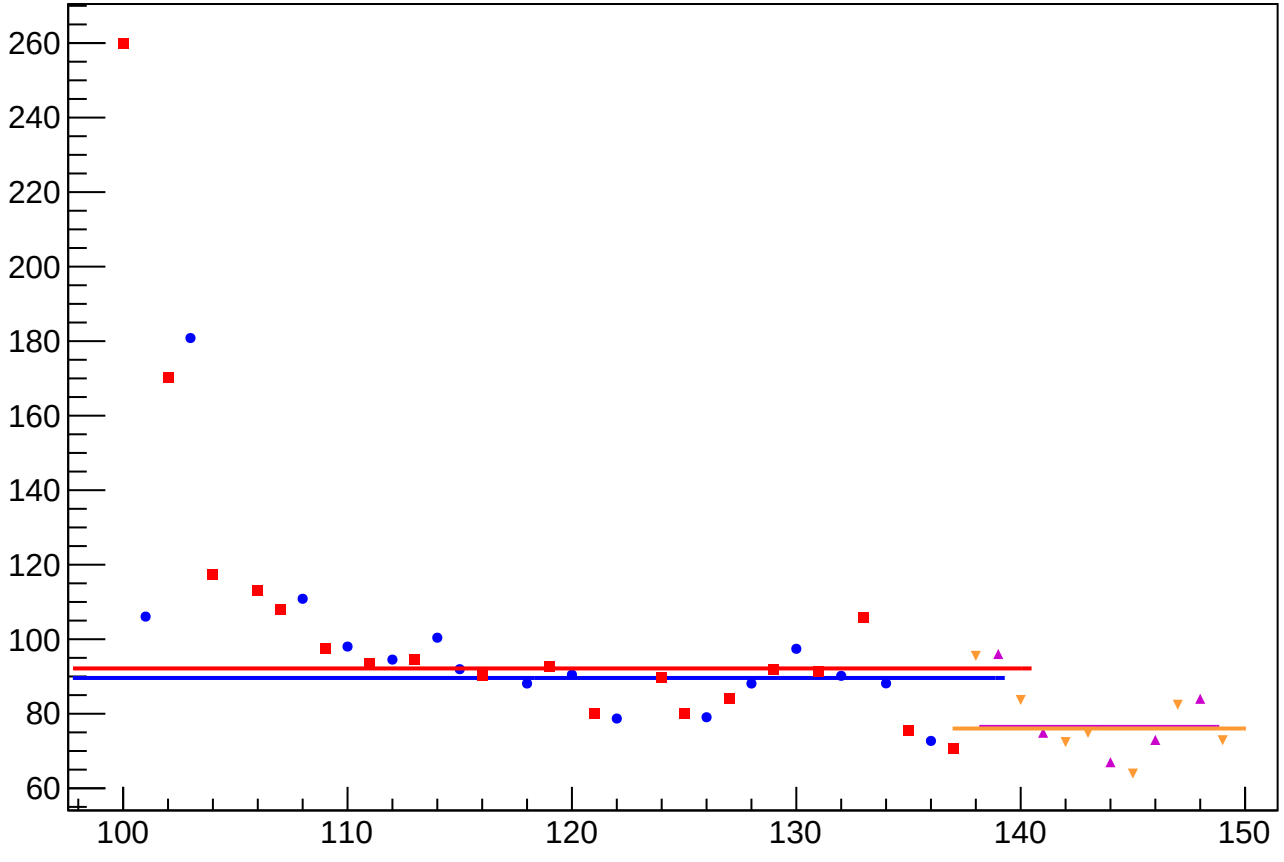
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 25.540+/-25.184 χ^2/NDF:23.3/20

Out: 85.598+/-24.103 χ^2/NDF:26.4/25

All: 56.886+/-17.413 χ^2/NDF: 52.6/46

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.042+/-0.024 χ^2/NDF:149301.7/6

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: 76.234+/-0.018 χ^2/NDF: 272721.8/11

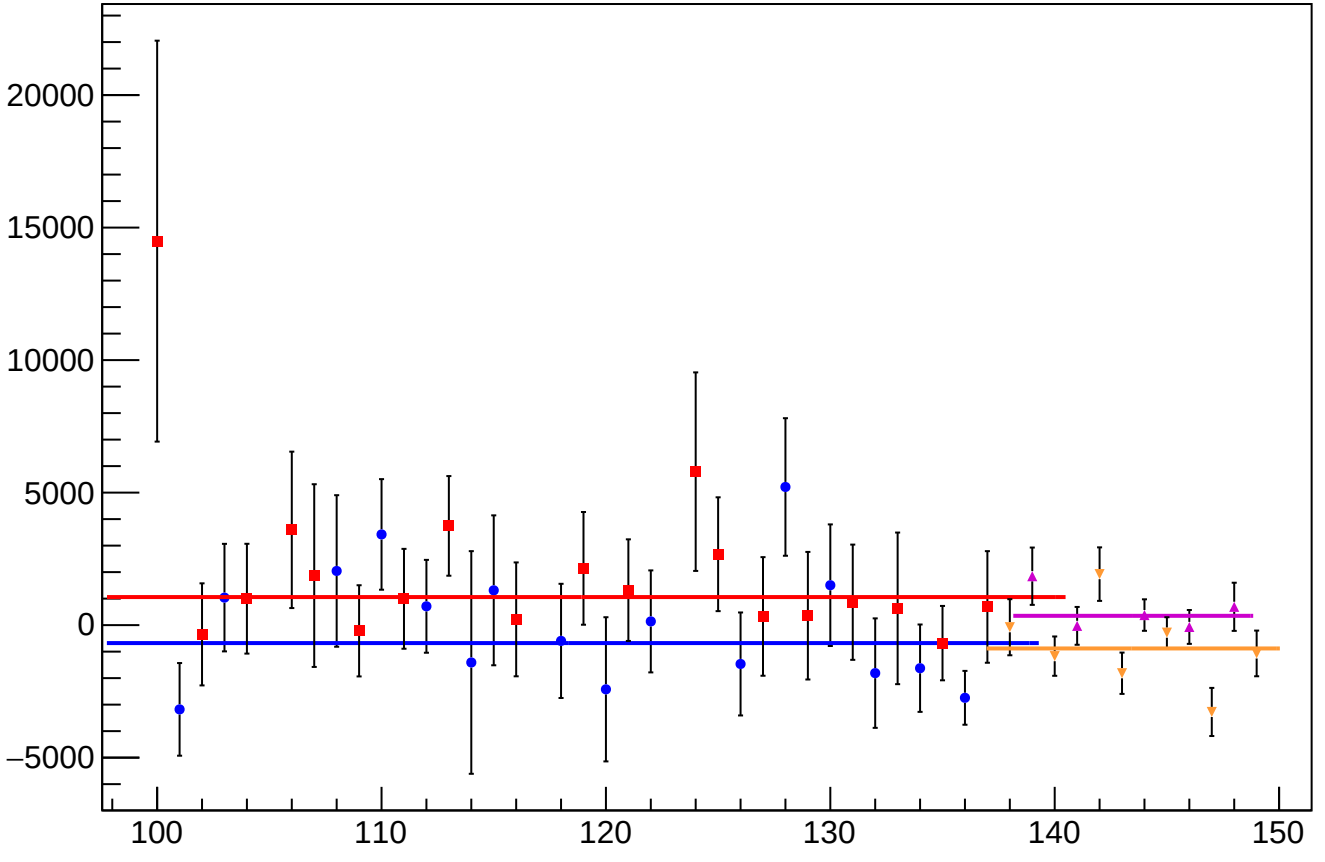
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 83.557+/-0.018 χ^2/NDF:756747.4/20

Out: 83.738+/-0.017 χ^2/NDF:914536.8/25

All: 83.651+/-0.012 χ^2/NDF: 1671338.1/46

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -880.275+/-303.612 χ^2/NDF:17.9/6

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: -311.470+/-222.712 χ^2/NDF: 28.3/11

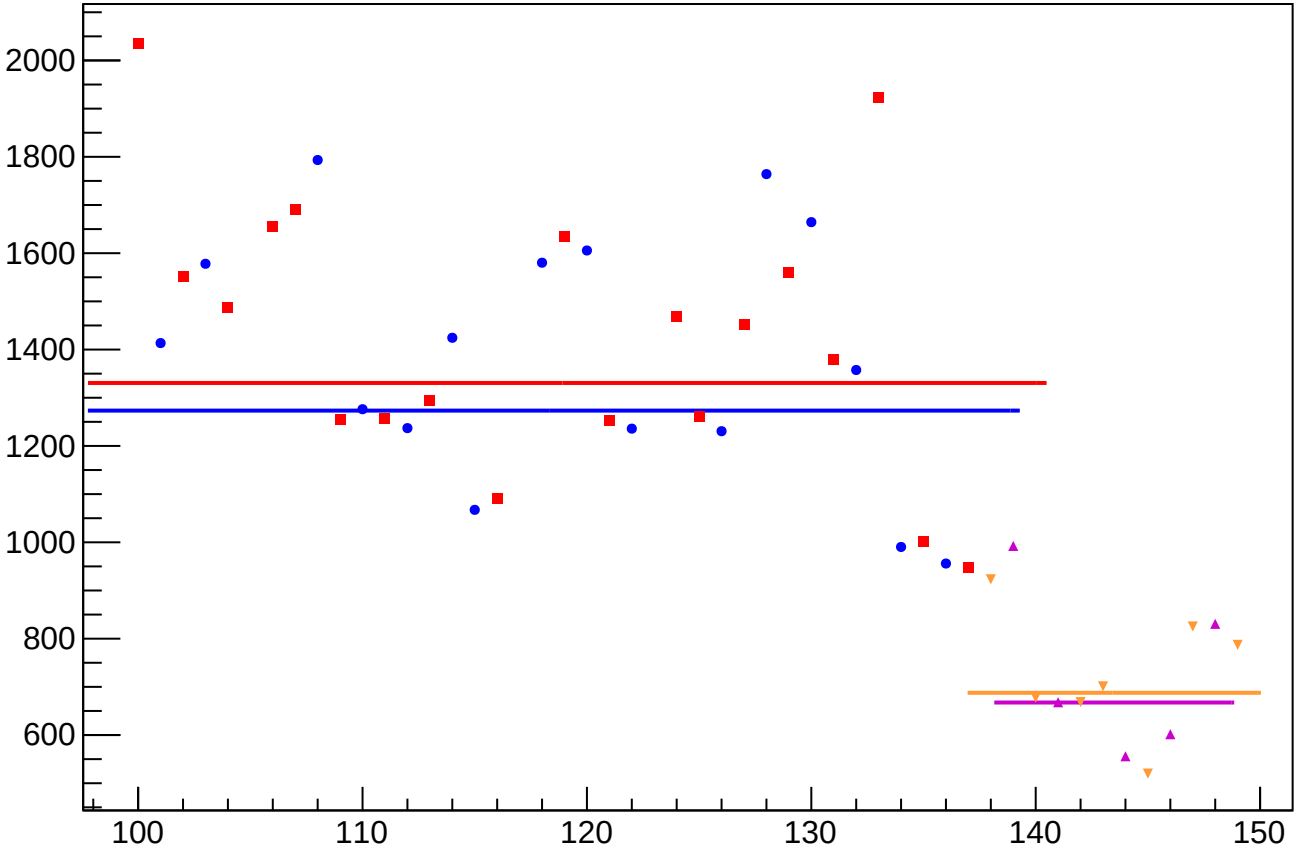
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 30.119+/-271.783 χ^2/NDF:26.1/20

Out: -352.306+/-259.000 χ^2/NDF:40.5/25

All: -170.298+/-187.497 χ^2/NDF: 67.6/46

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 687.728+/-0.215 χ^2/NDF:339509.2/6

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 667.514+/-0.232 χ^2/NDF:336892.6/4

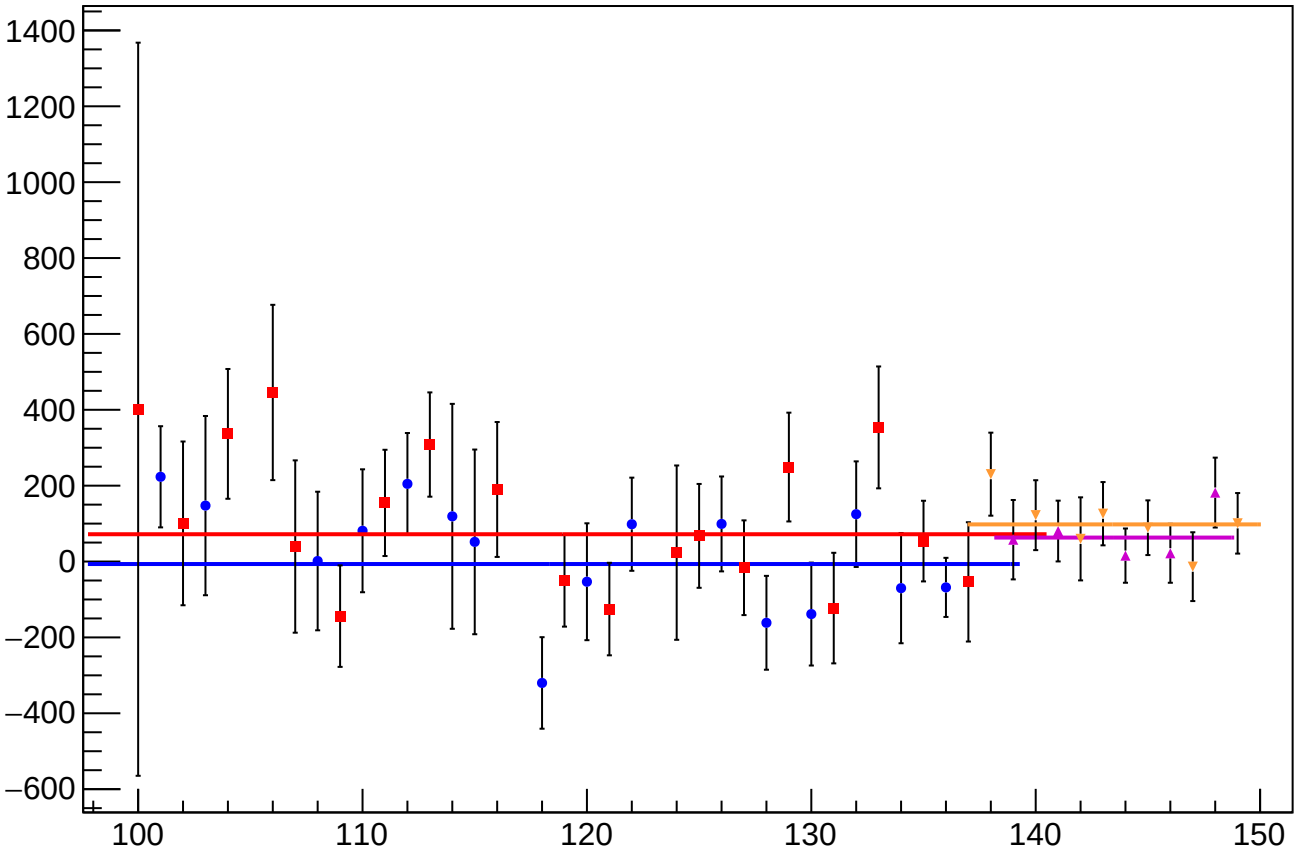
Left: 678.391+/-0.157 χ^2/NDF: 680497.1/11

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 856.596+/-0.192 χ^2/NDF:3067901.9/20

Out: 862.795+/-0.183 χ^2/NDF:3252387.2/25

All: 859.844+/-0.133 χ^2/NDF: 6320834.4/46



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.920+/-33.342 χ^2/NDF:3.3/6

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.155+/-37.111 χ^2/NDF:2.4/4

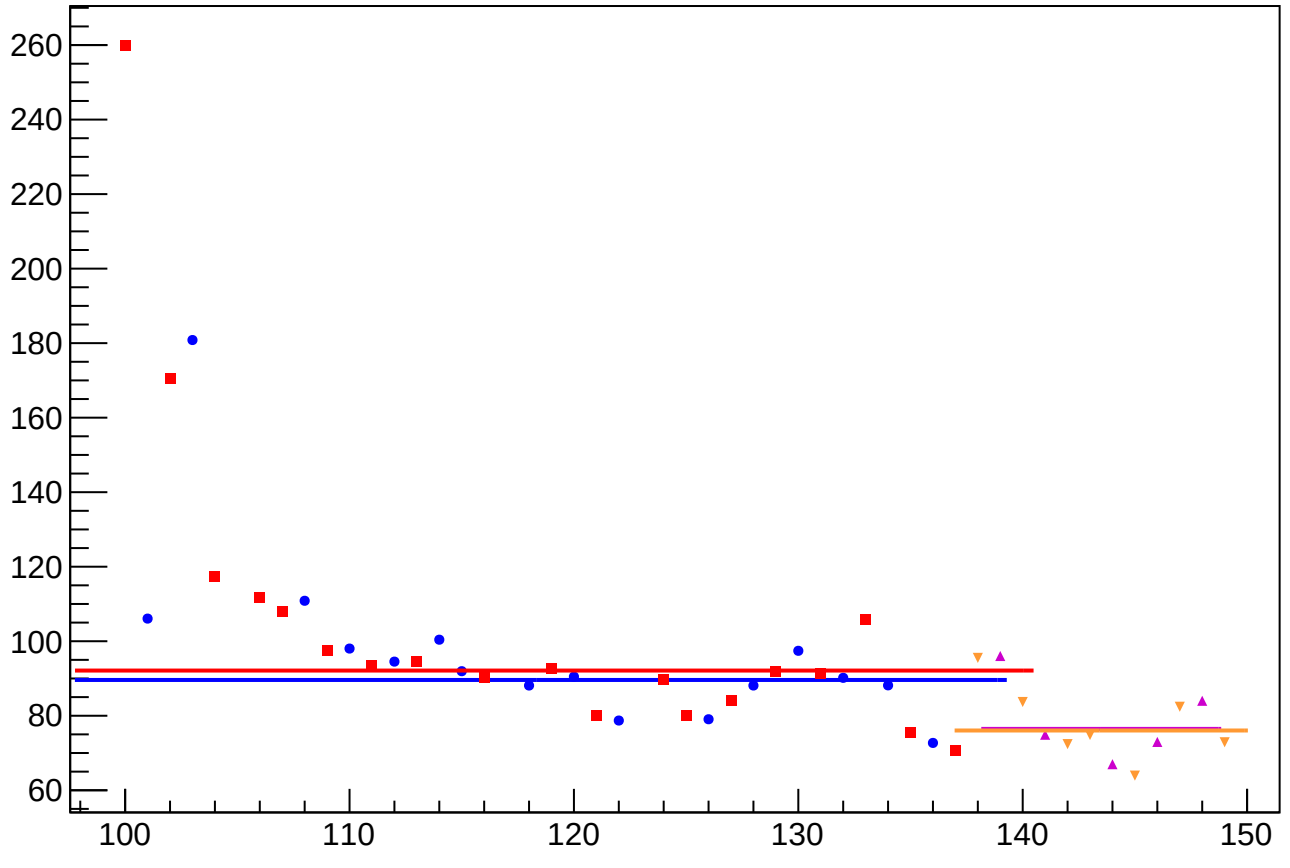
Left: 82.392+/-24.802 χ^2/NDF: 6.2/11

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 25.539+/-25.184 χ^2/NDF:23.3/20

Out: 85.537+/-24.103 χ^2/NDF:26.3/25

All: 56.852+/-17.413 χ^2/NDF: 52.6/46



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.042+/-0.024 χ^2/NDF:149301.6/6

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

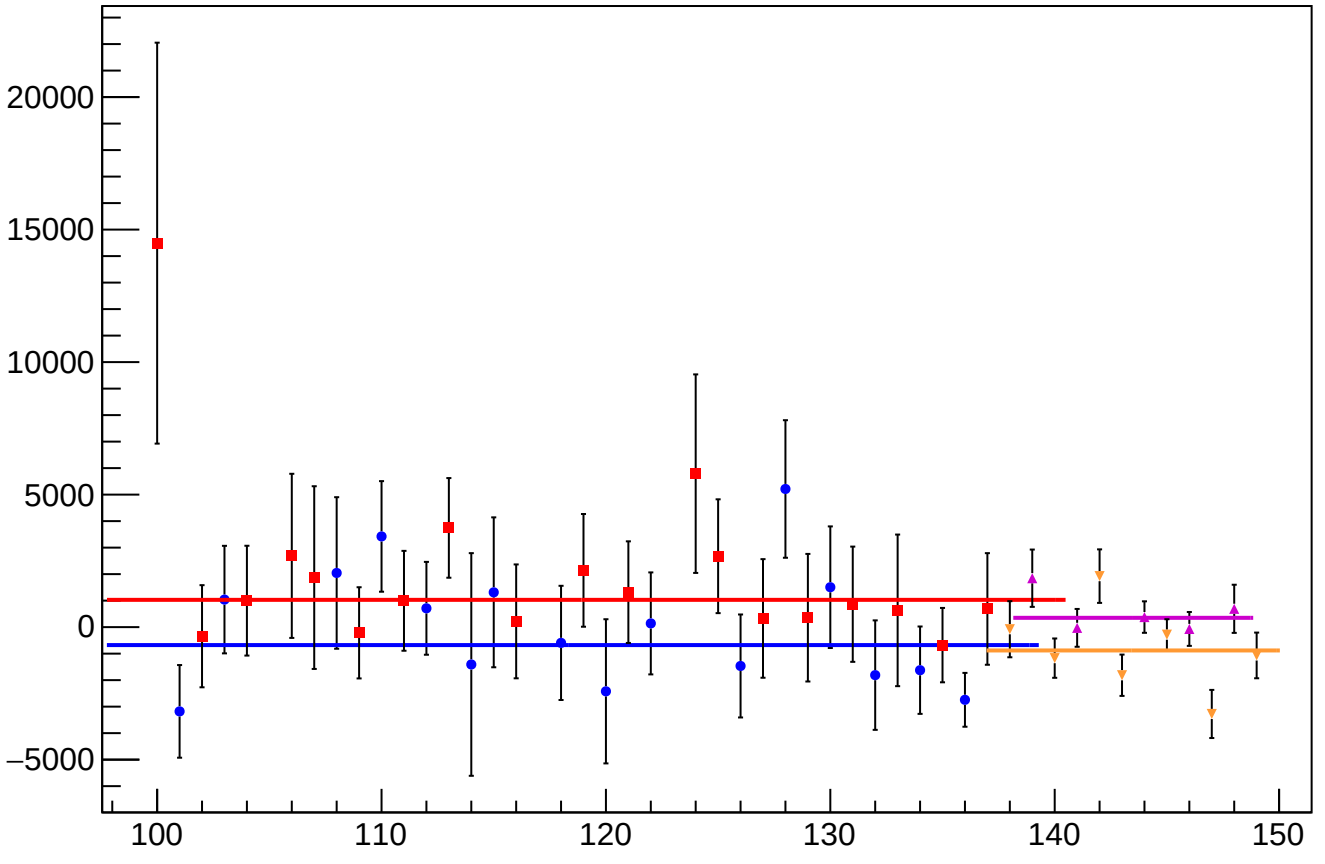
Left: 76.234+/-0.018 χ^2/NDF: 272721.8/11

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.557+/-0.018 χ^2/NDF:756750.9/20

Out: 83.722+/-0.017 χ^2/NDF:911878.8/25

All: 83.643+/-0.012 χ^2/NDF: 1668674.7/46



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -880.264+/-303.611 χ^2/NDF:17.9/6

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: -311.460+/-222.712 χ^2/NDF: 28.3/11

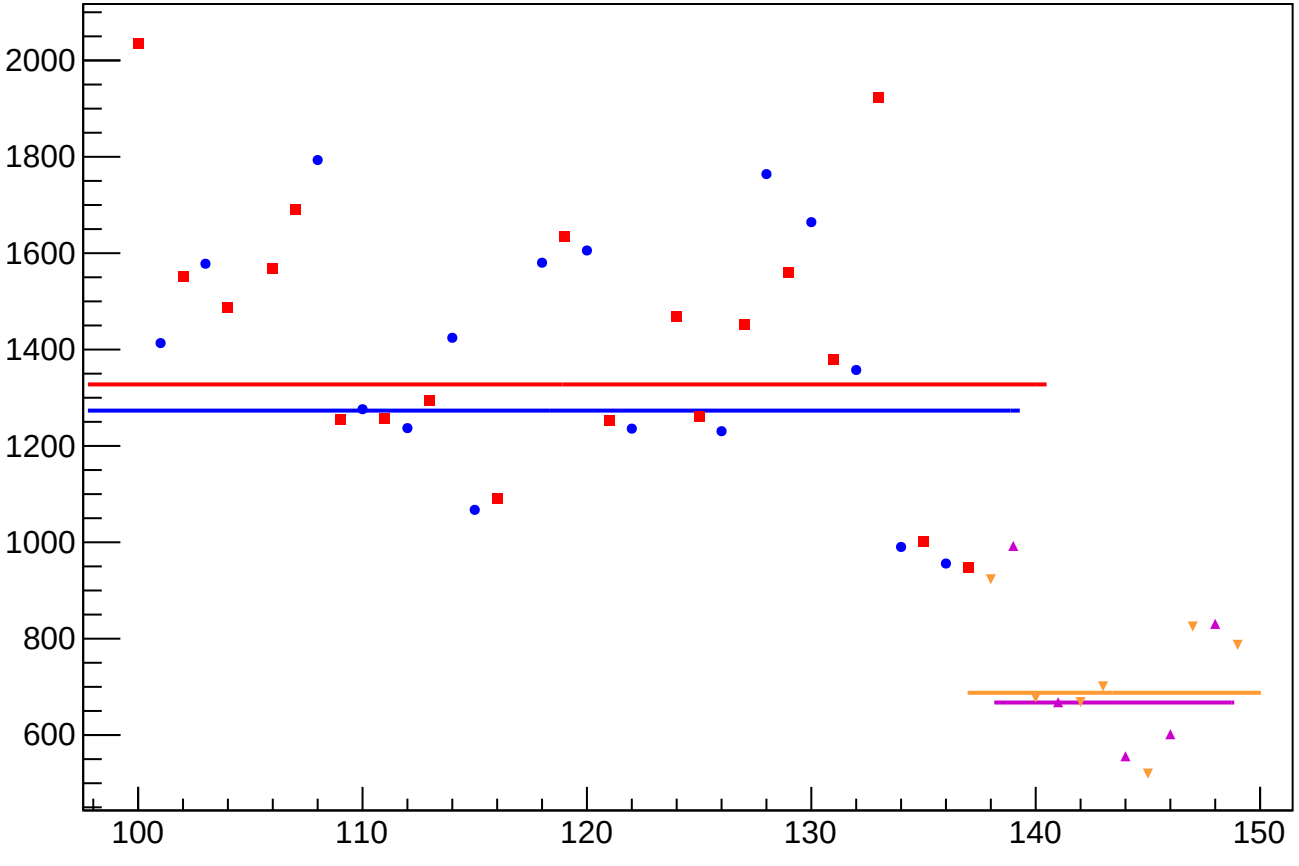
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 30.139+/-271.783 χ^2/NDF:26.1/20

Out: -361.311+/-259.094 χ^2/NDF:39.7/25

All: -174.937+/-187.533 χ^2/NDF: 66.9/46

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: 687.728+/-0.215 χ^2/NDF:339510.3/6

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

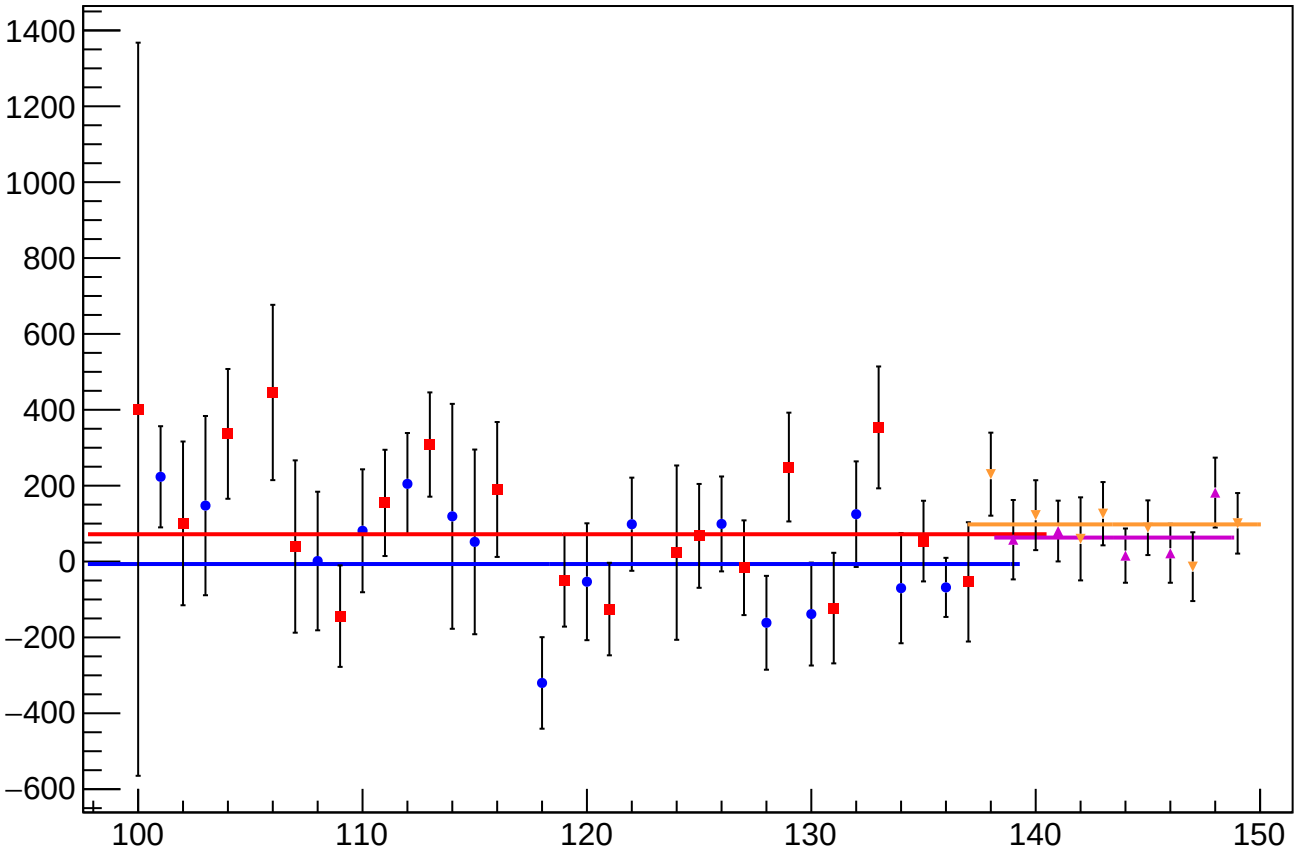
Left: 678.391+/-0.157 χ^2/NDF: 680496.6/11

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 856.596+/-0.192 χ^2/NDF:3067937.7/20

Out: 861.631+/-0.183 χ^2/NDF:3212533.9/25

All: 859.234+/-0.133 χ^2/NDF: 6280831.1/46



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.920+/-33.342 χ^2/NDF:3.3/6

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 63.155+/-37.111 χ^2/NDF:2.4/4

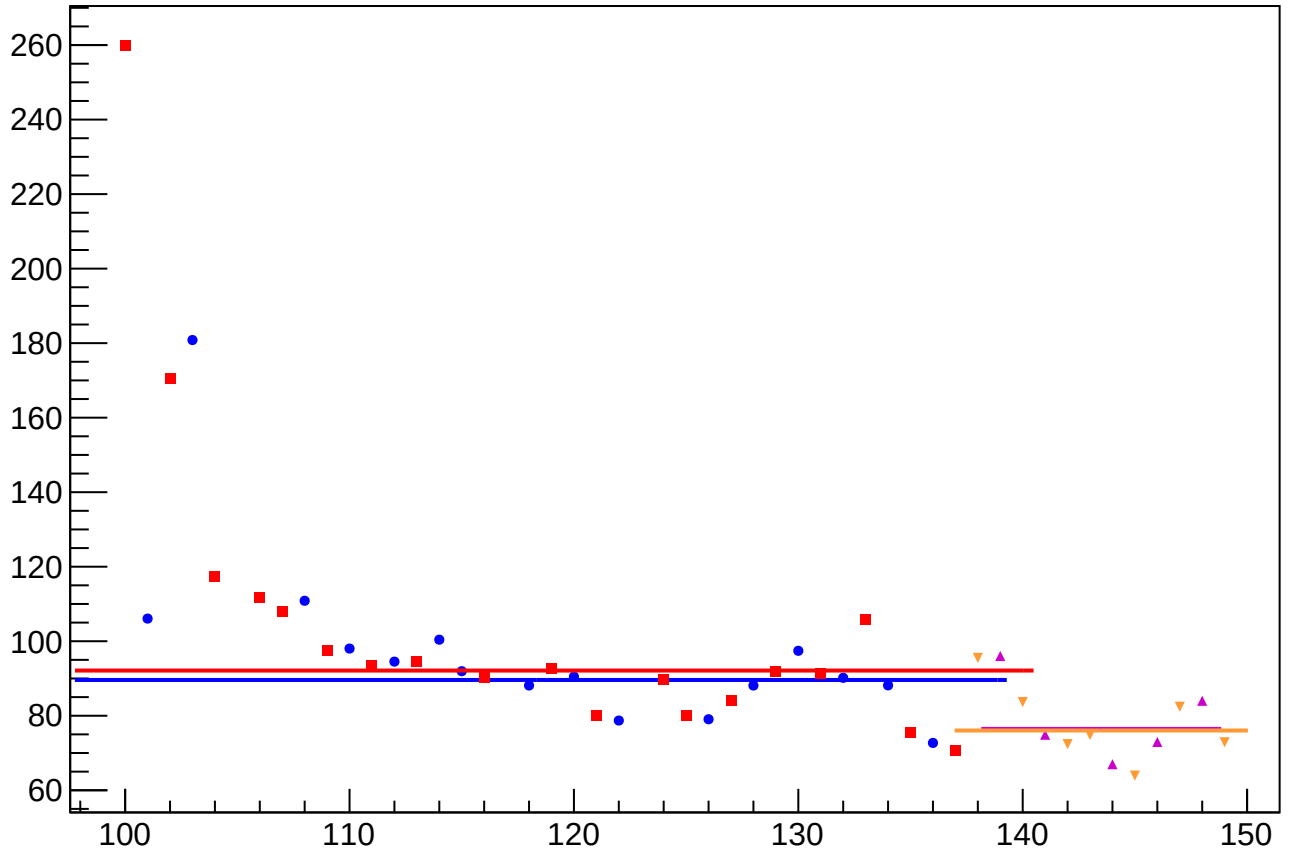
Left: 82.392+/-24.802 χ^2/NDF: 6.2/11

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 25.539+/-25.184 χ^2/NDF:23.3/20

Out: 85.537+/-24.103 χ^2/NDF:26.3/25

All: 56.852+/-17.413 χ^2/NDF: 52.6/46



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.042+/-0.024 χ^2/NDF:149301.6/6

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.472+/-0.026 χ^2/NDF:123271.7/4

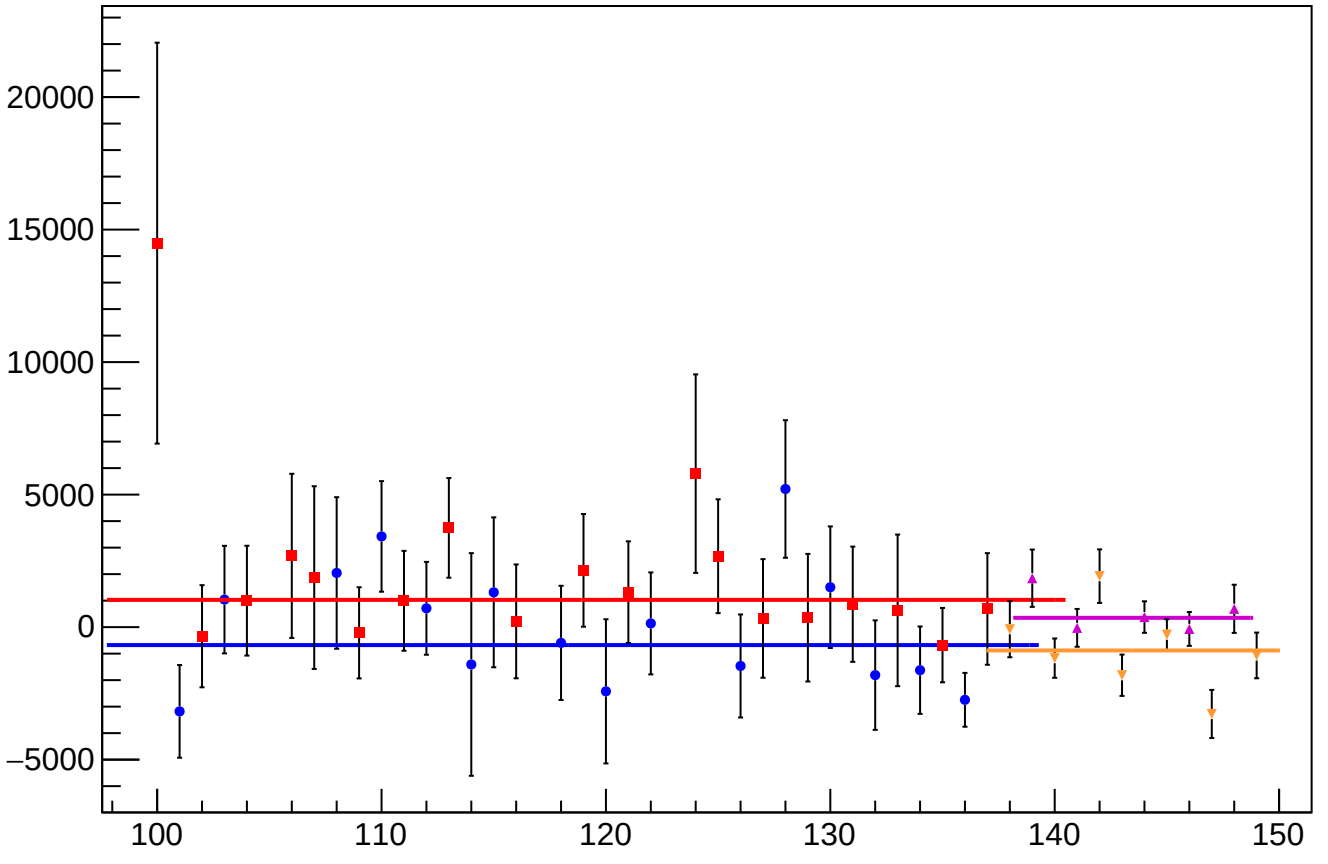
Left: 76.234+/-0.018 χ^2/NDF: 272721.8/11

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.557+/-0.018 χ^2/NDF:756750.9/20

Out: 83.722+/-0.017 χ^2/NDF:911878.8/25

All: 83.643+/-0.012 χ^2/NDF: 1668674.7/46



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -880.264+/-303.611 χ^2/NDF:17.9/6

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: -311.460+/-222.712 χ^2/NDF: 28.3/11

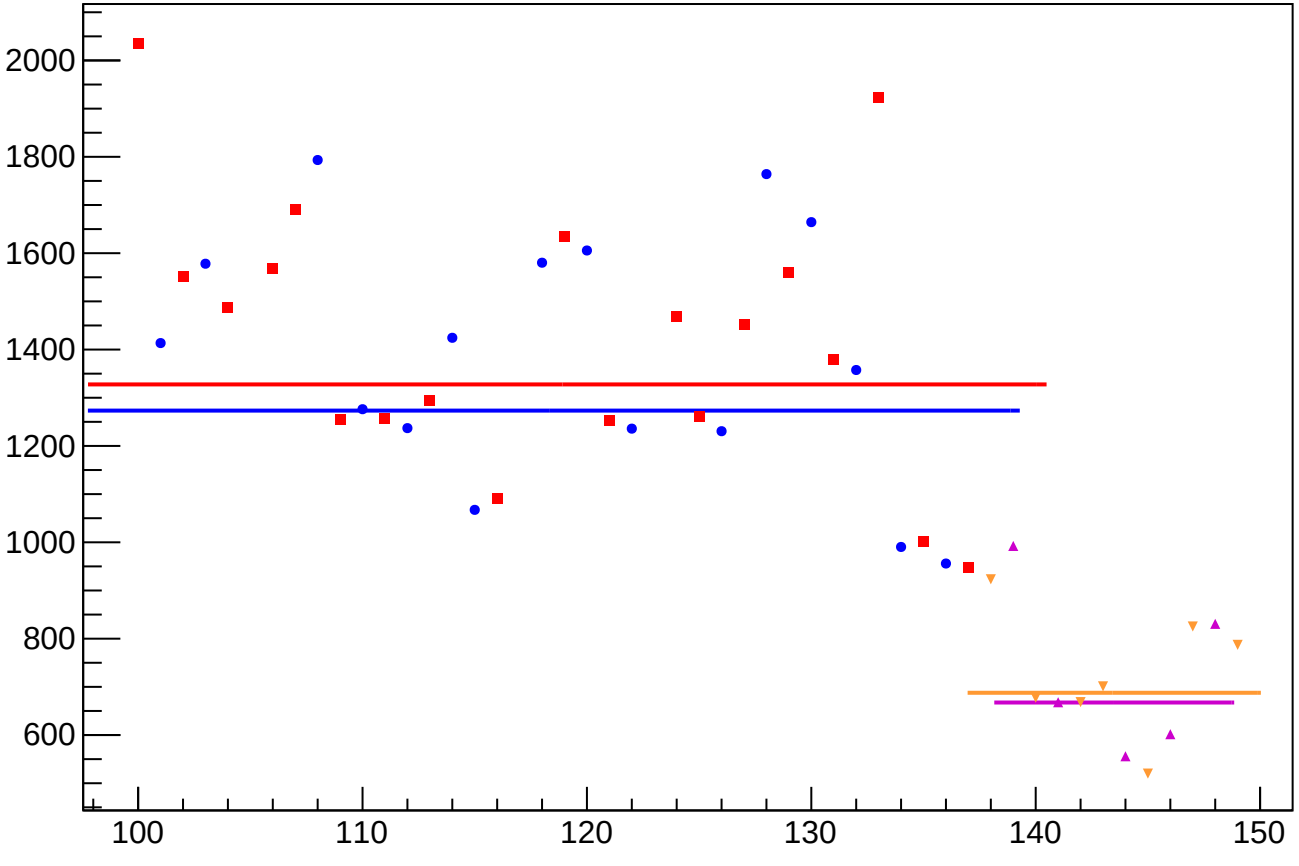
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 30.139+/-271.783 χ^2/NDF:26.1/20

Out: -361.311+/-259.094 χ^2/NDF:39.7/25

All: -174.937+/-187.533 χ^2/NDF: 66.9/46

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: 687.728+/-0.215 χ^2/NDF:339510.3/6

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 667.514+/-0.232 χ^2/NDF:336891.3/4

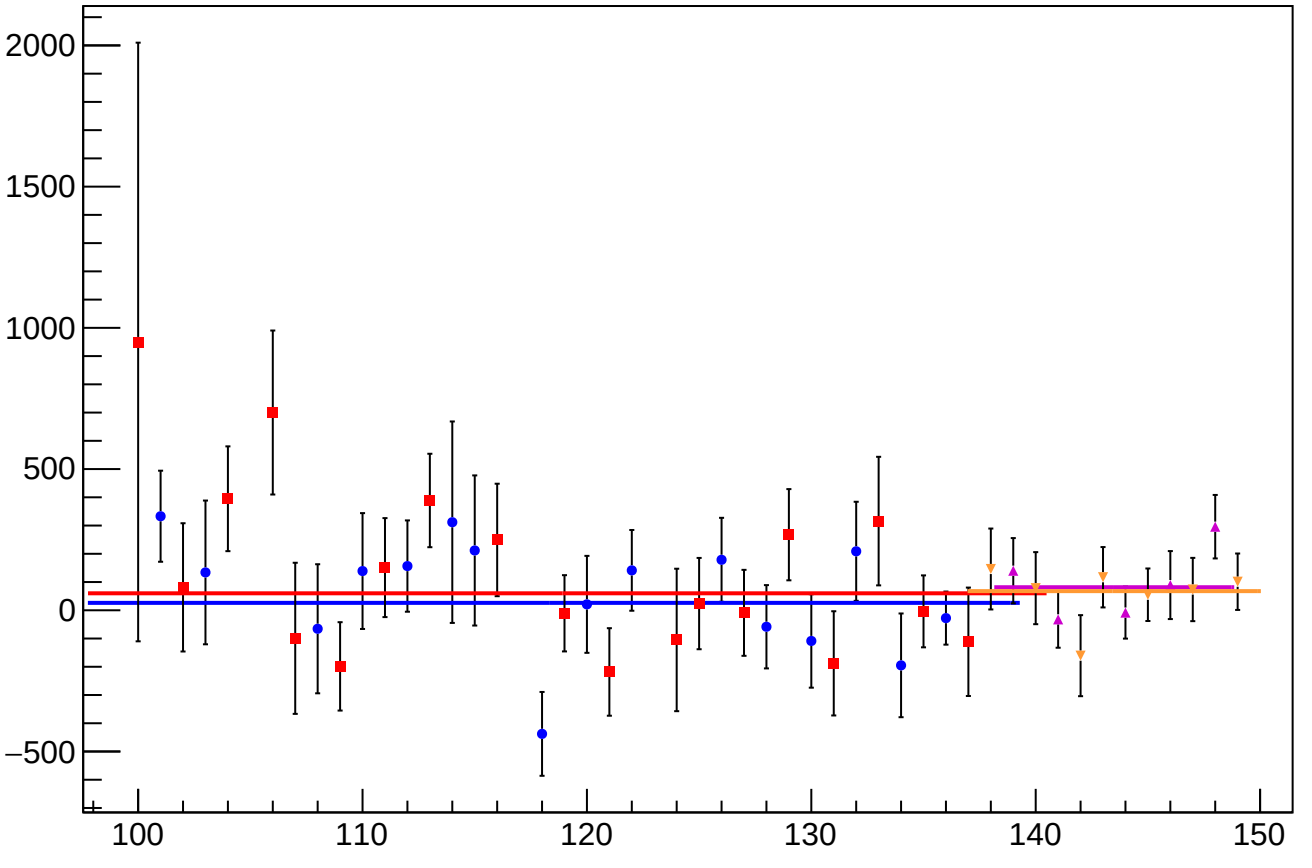
Left: 678.391+/-0.157 χ^2/NDF: 680496.6/11

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 856.596+/-0.192 χ^2/NDF:3067937.7/20

Out: 861.631+/-0.183 χ^2/NDF:3212533.9/25

All: 859.234+/-0.133 χ^2/NDF: 6280831.1/46



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 67.786+/-42.957 χ^2/NDF:3.2/6

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 81.602+/-47.669 χ^2/NDF:6.1/4

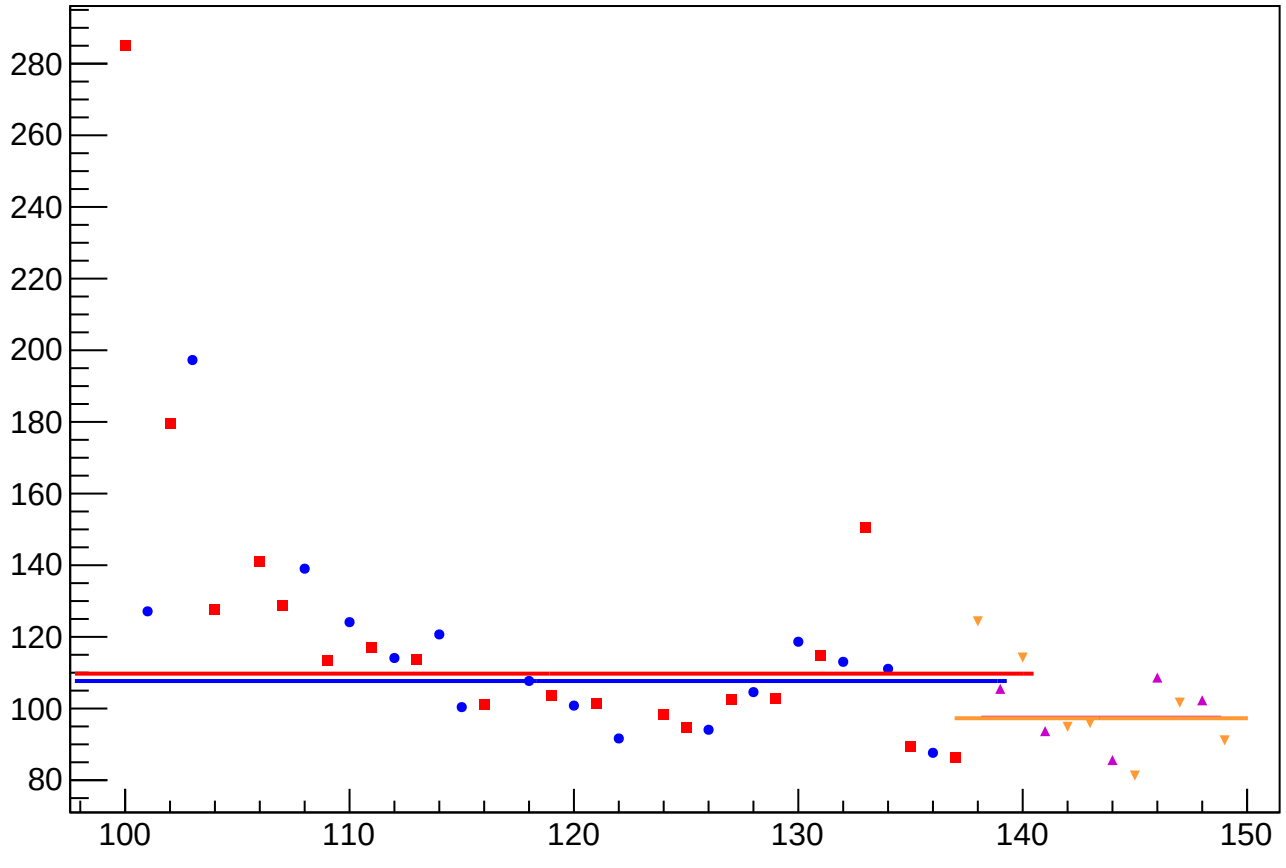
Left: 73.978+/-31.911 χ^2/NDF: 9.4/11

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 49.932+/-31.179 χ^2/NDF:28.3/20

Out: 63.823+/-29.857 χ^2/NDF:30.2/25

All: 57.178+/-21.564 χ^2/NDF: 58.6/46



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 97.292+/-0.030 χ^2/NDF:177311.5/6

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 97.434+/-0.034 χ^2/NDF:66510.6/4

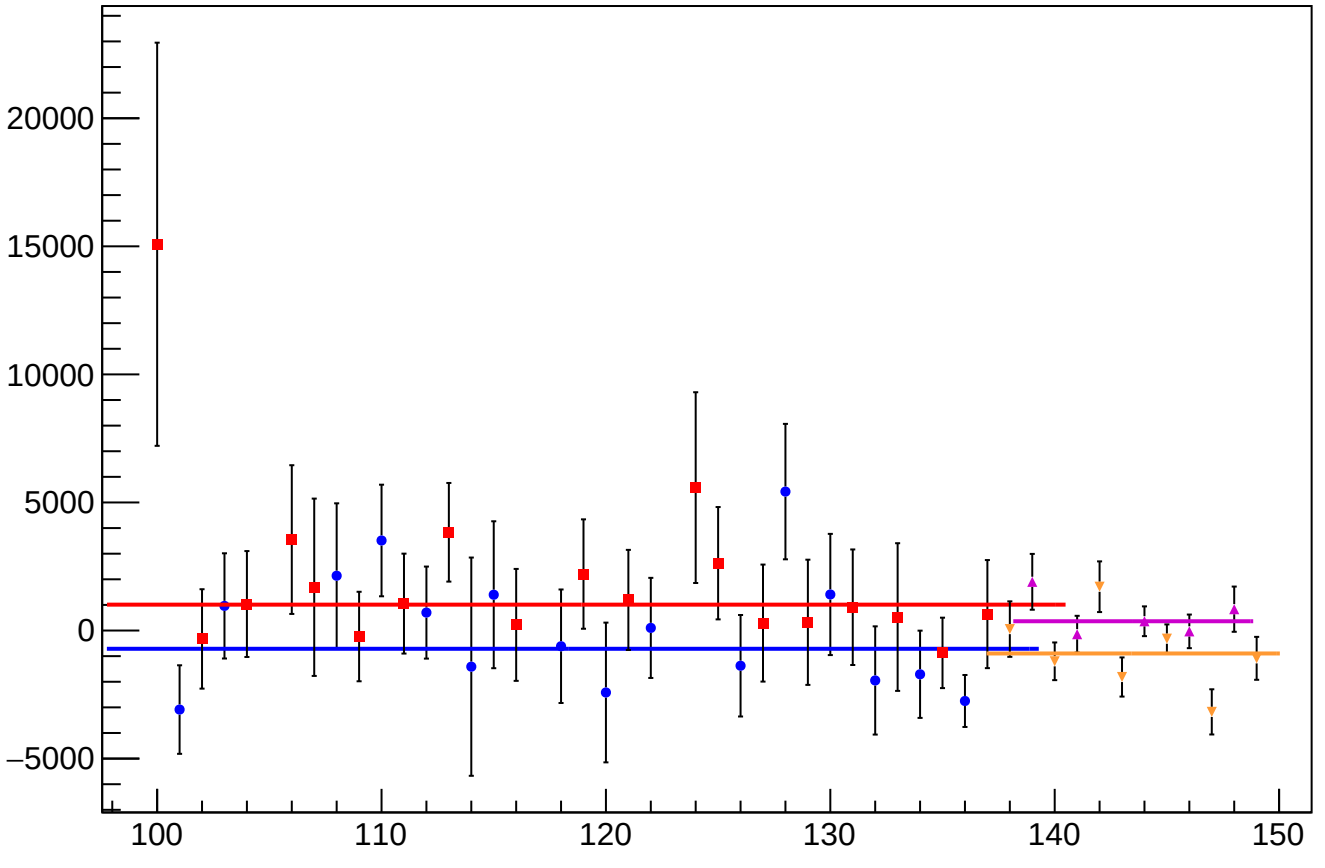
Left: 97.356+/-0.023 χ^2/NDF: 243831.9/11

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 103.296+/-0.022 χ^2/NDF:602499.9/20

Out: 103.726+/-0.021 χ^2/NDF:755896.2/25

All: 103.521+/-0.015 χ^2/NDF: 1358594.4/46



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -895.868+/-296.570 χ^2/NDF:17.1/6

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: -327.863+/-219.663 χ^2/NDF: 28.4/11

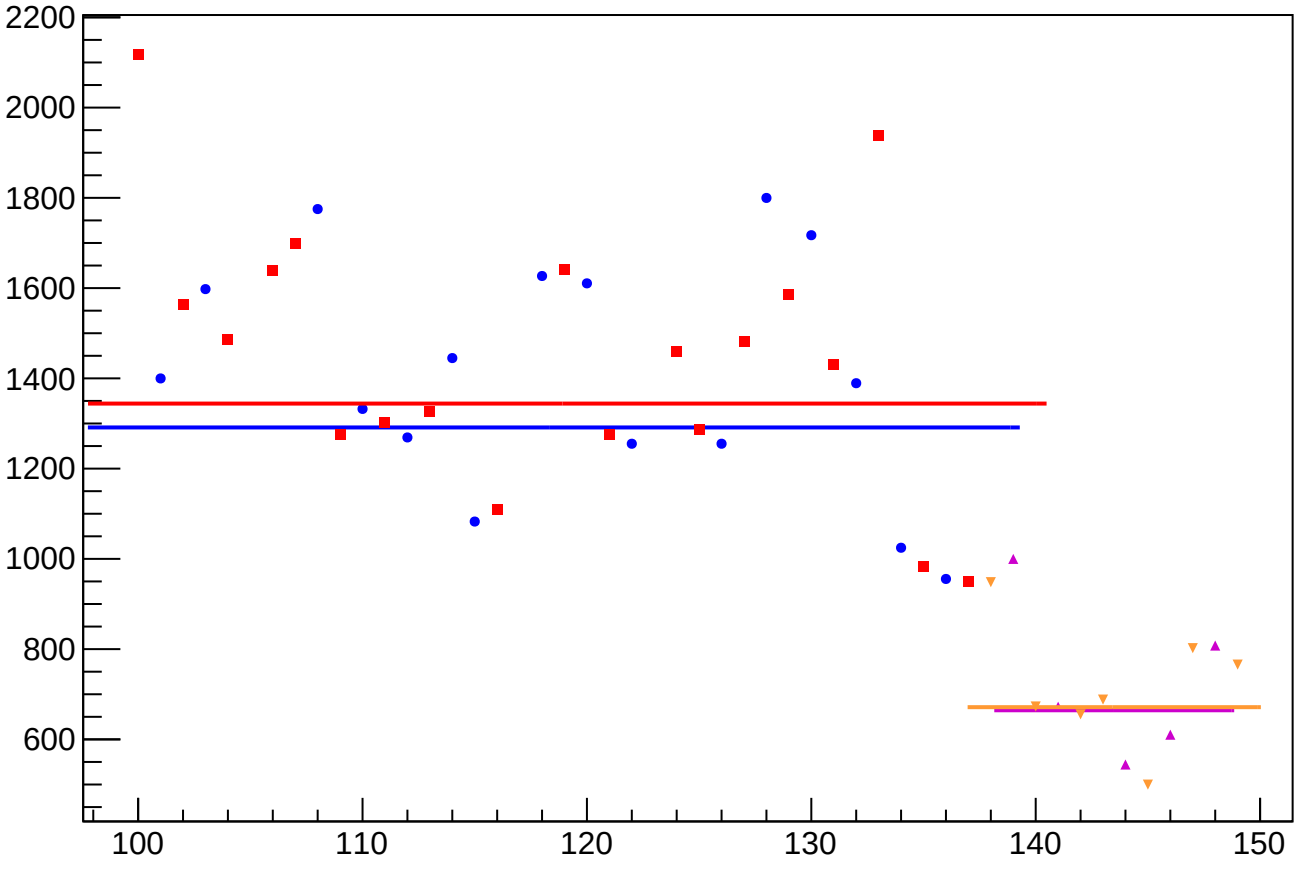
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 34.217+/-272.517 χ^2/NDF:26.5/20

Out: -401.725+/-255.257 χ^2/NDF:39.6/25

All: -197.996+/-186.297 χ^2/NDF: 67.5/46

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 671.379+/-0.210 χ^2/NDF:391644.5/6

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 664.520+/-0.231 χ^2/NDF:341705.8/4

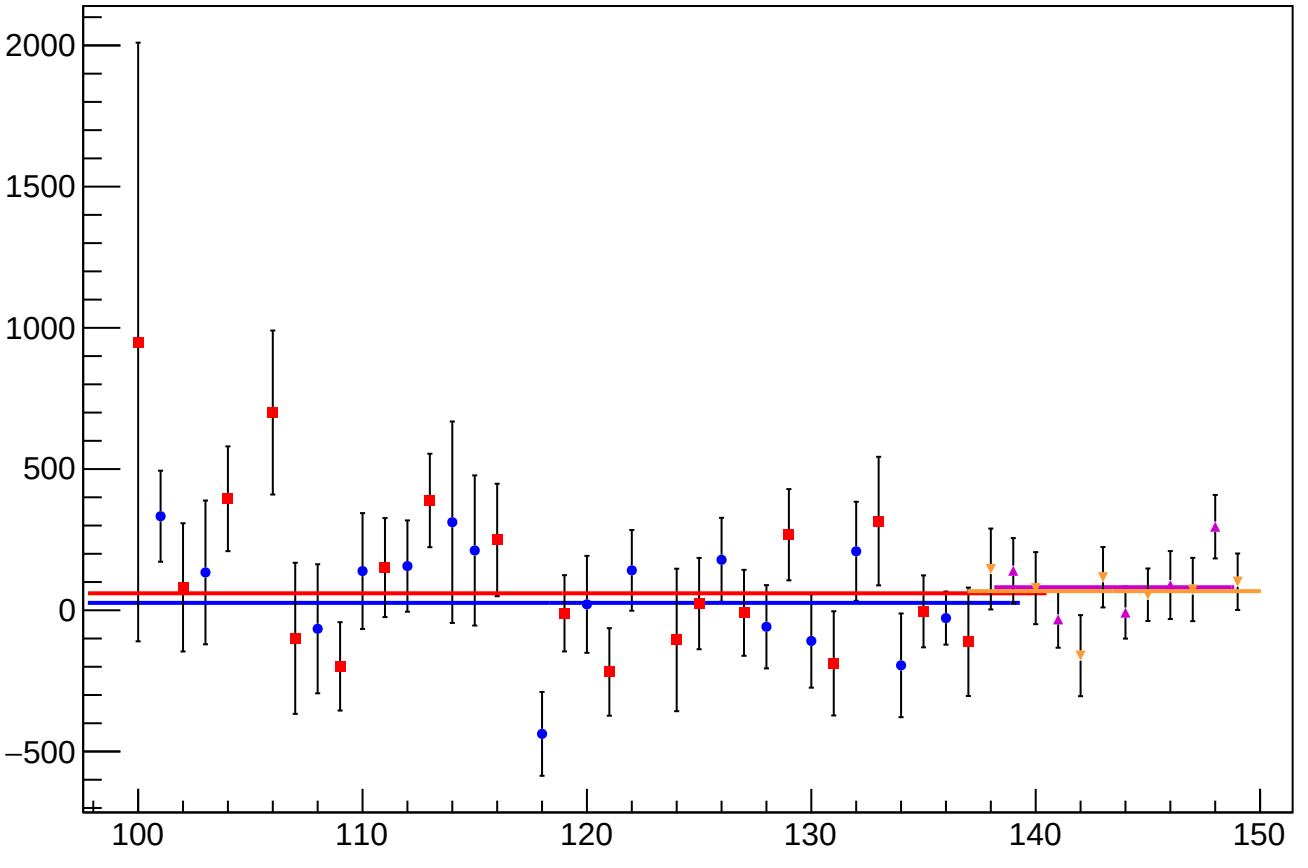
Left: 668.283+/-0.155 χ^2/NDF: 733833.2/11

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 855.818+/-0.193 χ^2/NDF:3195688.6/20

Out: 845.752+/-0.180 χ^2/NDF:3550088.8/25

All: 850.456+/-0.132 χ^2/NDF: 6747230.8/46



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 67.786+/-42.957 χ^2/NDF:3.2/6

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 81.602+/-47.669 χ^2/NDF:6.1/4

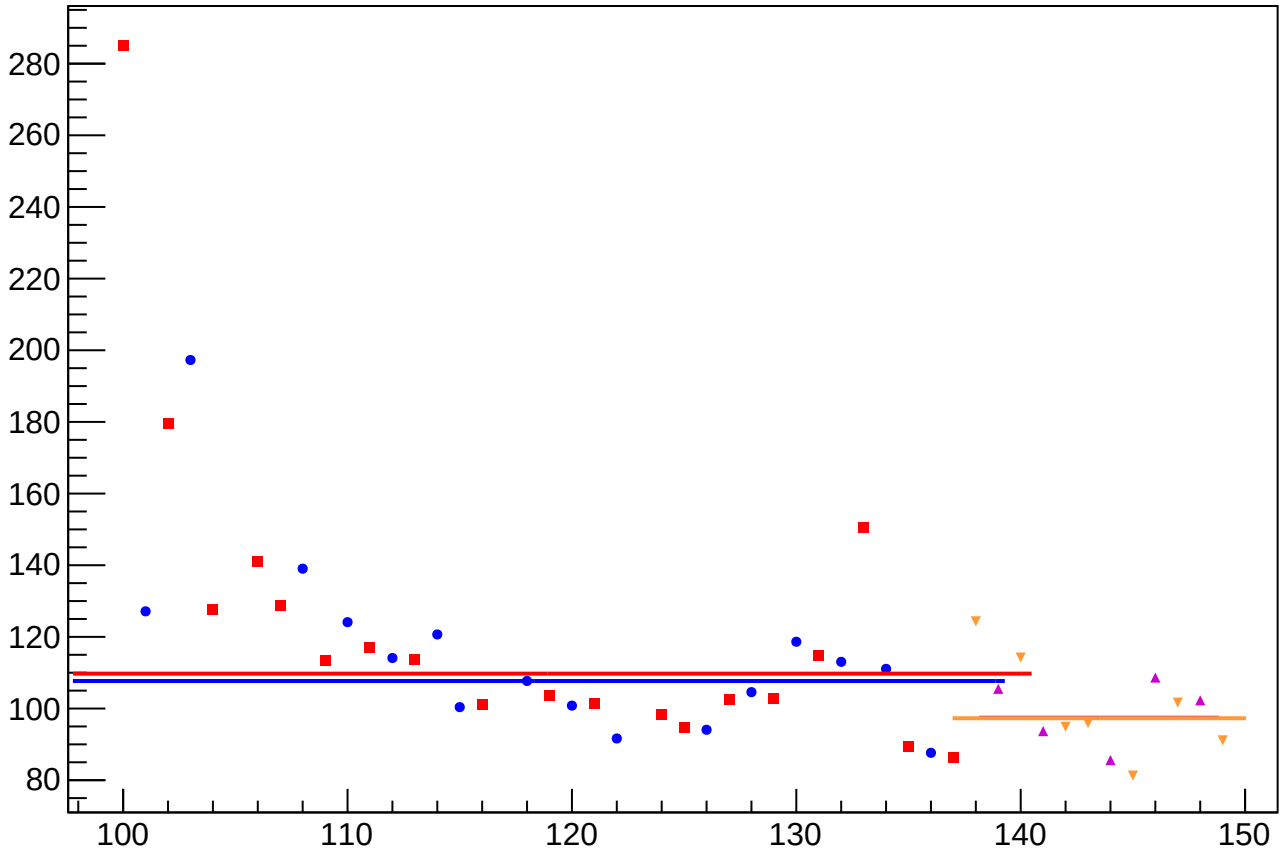
Left: 73.977+/-31.911 χ^2/NDF: 9.4/11

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 49.932+/-31.179 χ^2/NDF:28.3/20

Out: 63.822+/-29.857 χ^2/NDF:30.2/25

All: 57.178+/-21.564 χ^2/NDF: 58.6/46



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 97.293+/-0.030 χ^2/NDF:177298.6/6

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: 97.356+/-0.023 χ^2/NDF: 243816.9/11

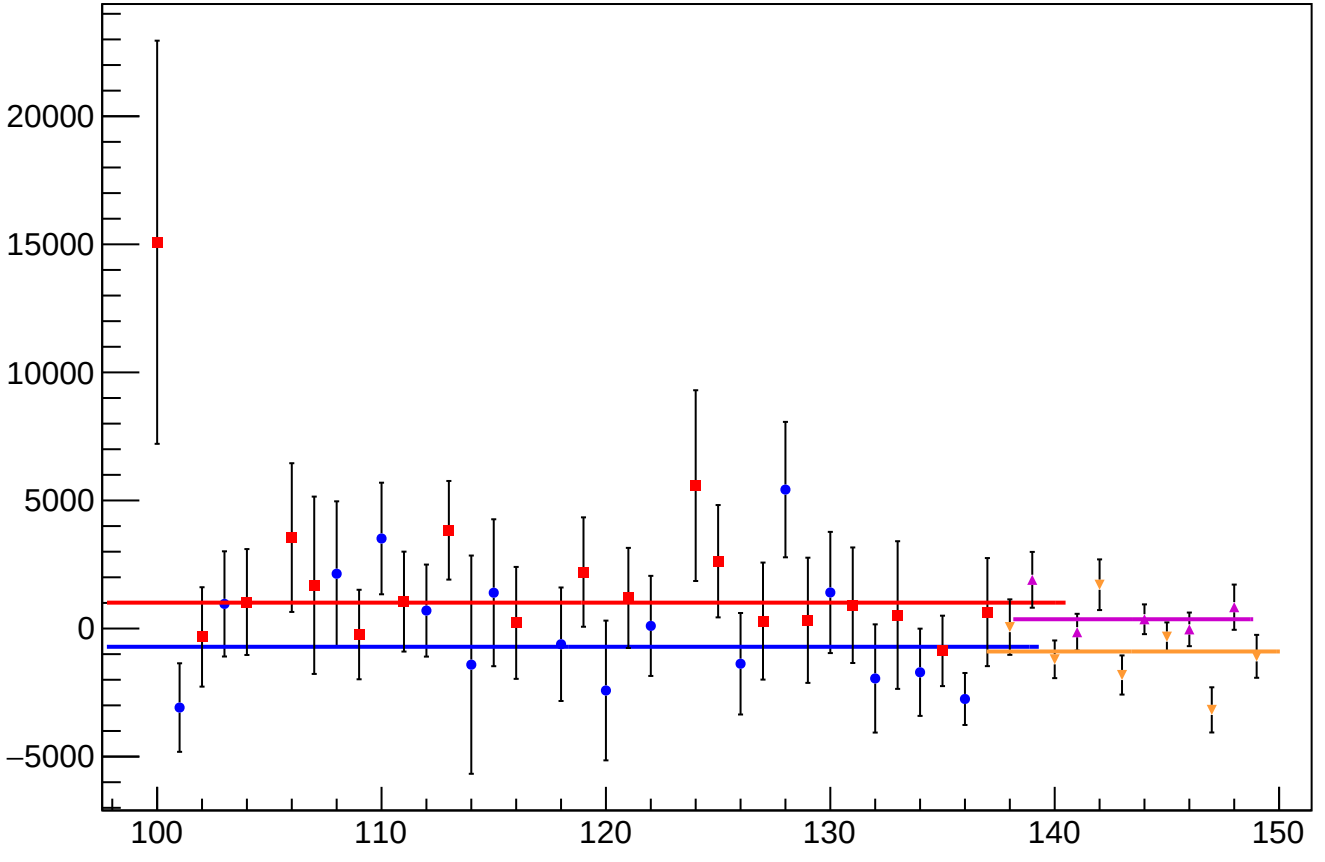
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 103.296+/-0.022 χ^2/NDF:602473.2/20

Out: 103.726+/-0.021 χ^2/NDF:755865.8/25

All: 103.521+/-0.015 χ^2/NDF: 1358537.4/46

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: -895.868+/-296.569 χ^2/NDF:17.1/6

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: -327.864+/-219.662 χ^2/NDF: 28.4/11

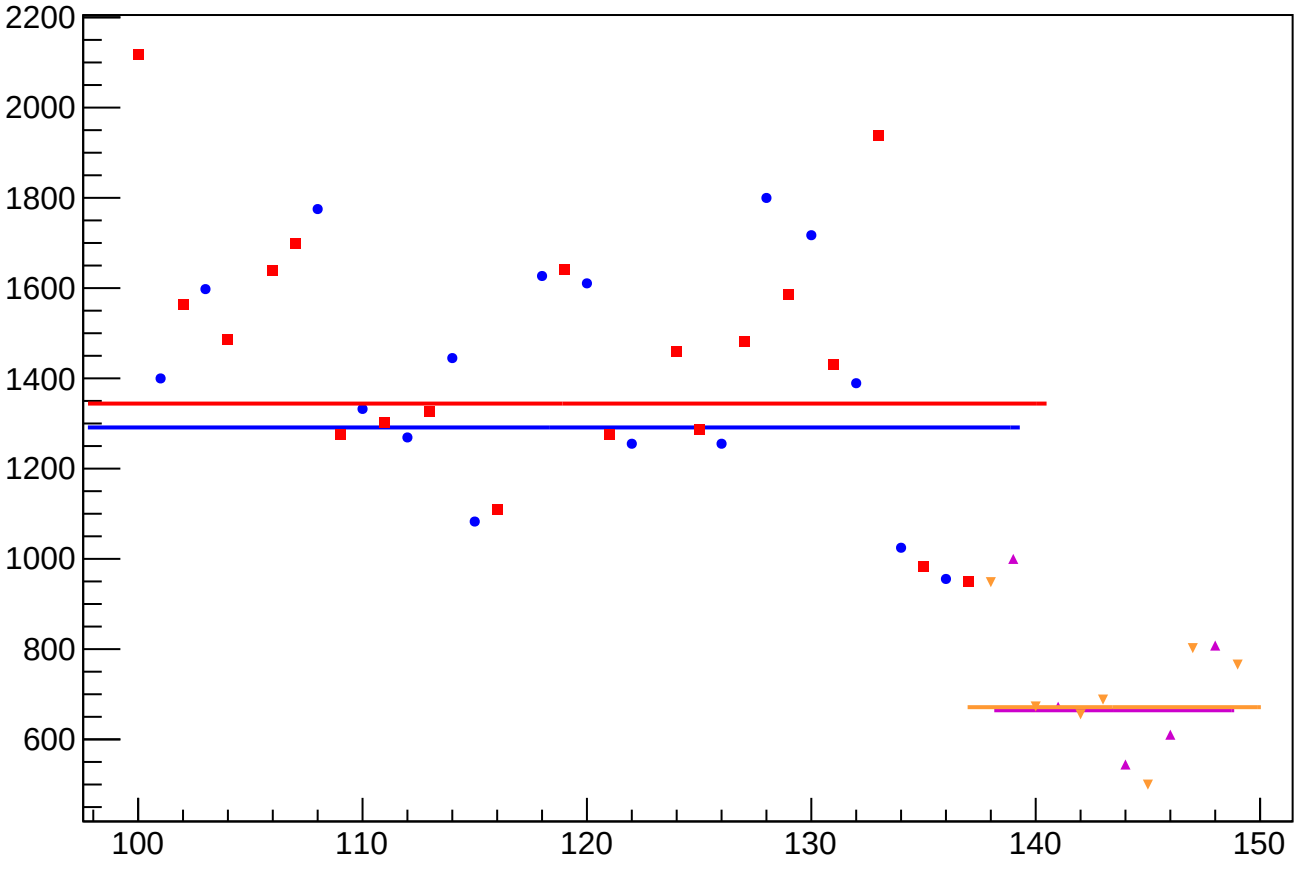
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 34.218+/-272.517 χ^2/NDF:26.5/20

Out: -401.726+/-255.257 χ^2/NDF:39.6/25

All: -197.995+/-186.297 χ^2/NDF: 67.5/46

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: 671.378+/-0.210 χ^2/NDF:391648.1/6

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: 668.282+/-0.155 χ^2/NDF: 733835.7/11

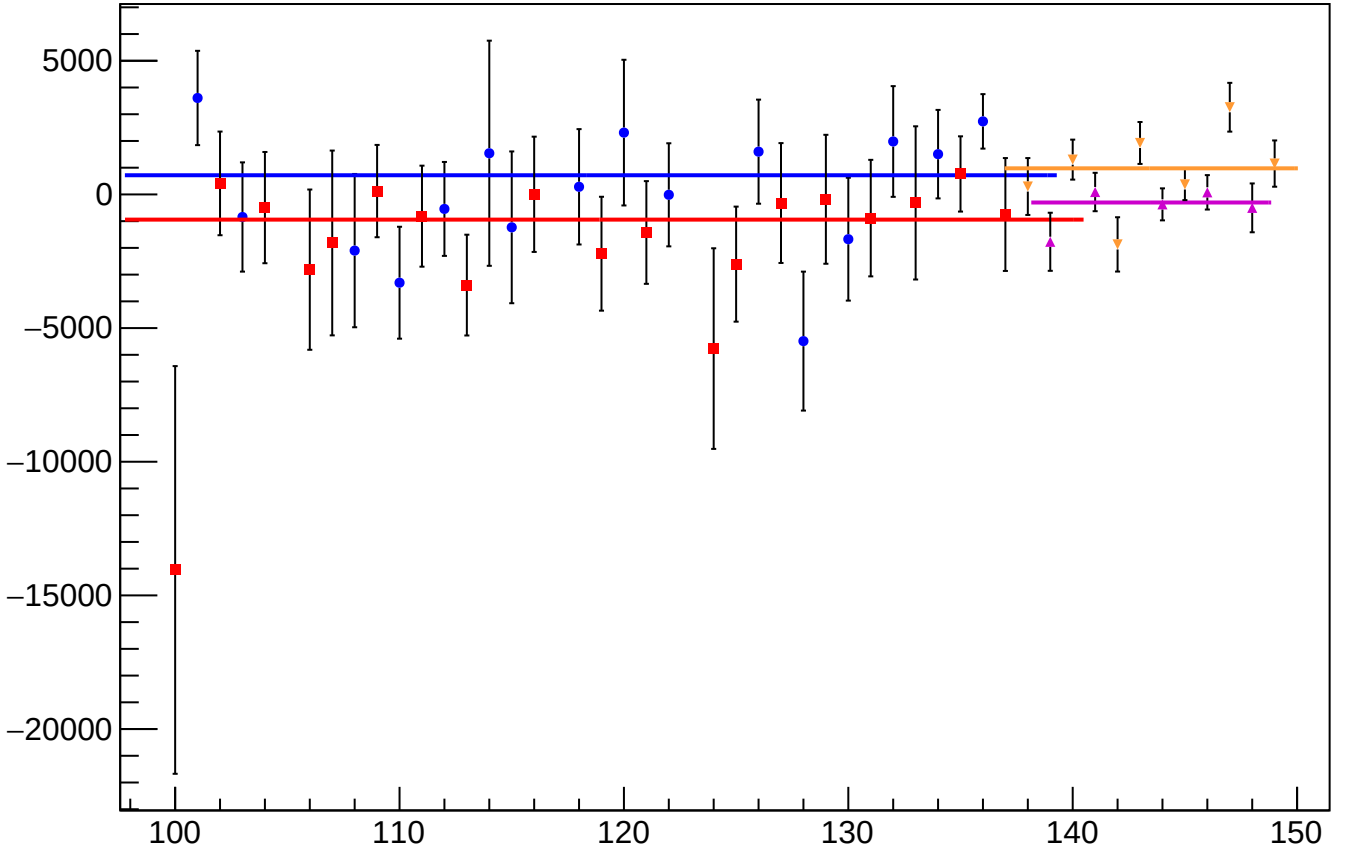
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 855.817+/-0.193 χ^2/NDF:3195681.1/20

Out: 845.750+/-0.180 χ^2/NDF:3550092.8/25

All: 850.455+/-0.132 χ^2/NDF: 6747227.5/46

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 976.347+/-305.575 χ^2/NDF:17.3/6

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: 386.048+/-224.194 χ^2/NDF: 27.9/11

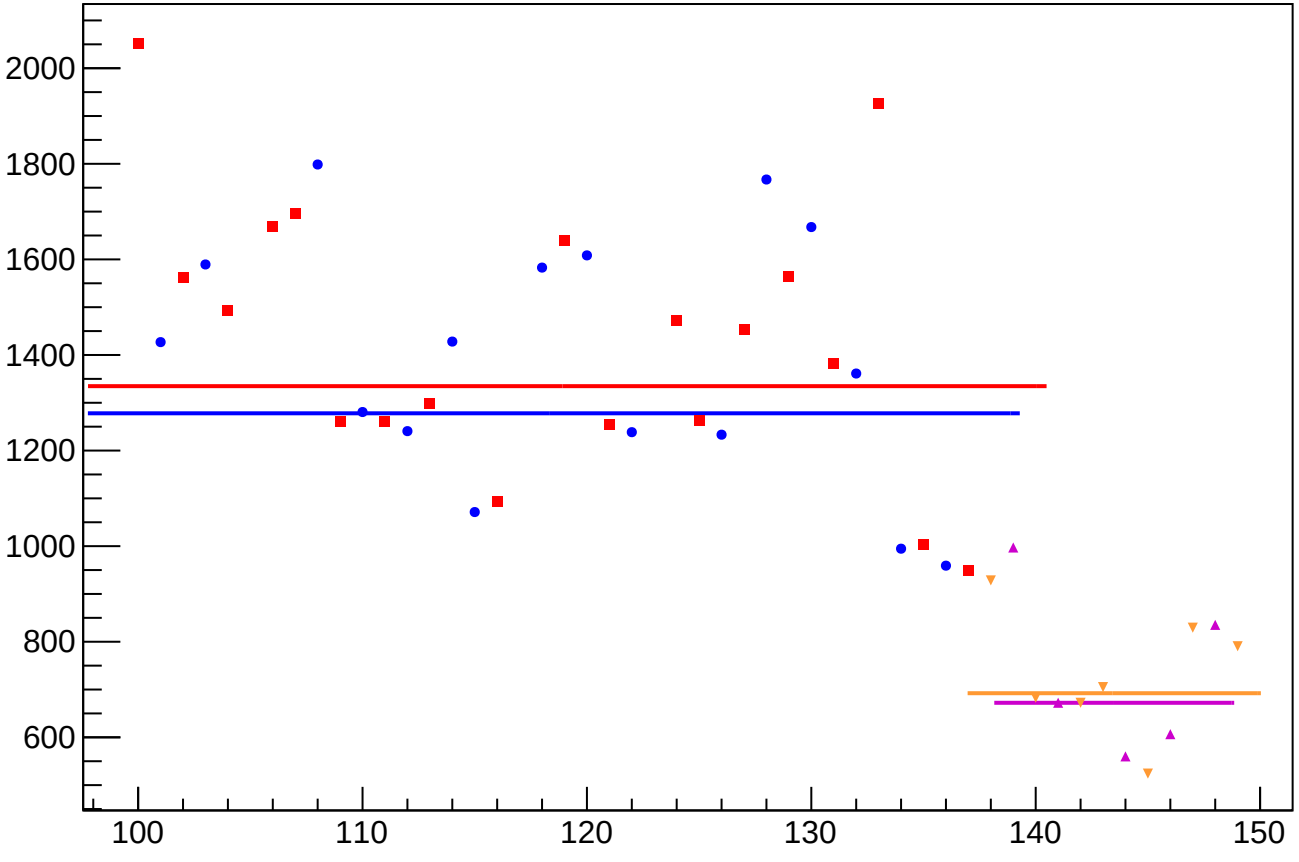
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 17.555+/-273.373 χ^2/NDF:26.5/20

Out: 451.627+/-260.459 χ^2/NDF:38.6/25

All: 245.085+/-188.573 χ^2/NDF: 66.5/46

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 692.307+/-0.216 χ^2/NDF:335458.3/6

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 672.249+/-0.233 χ^2/NDF:333603.3/4

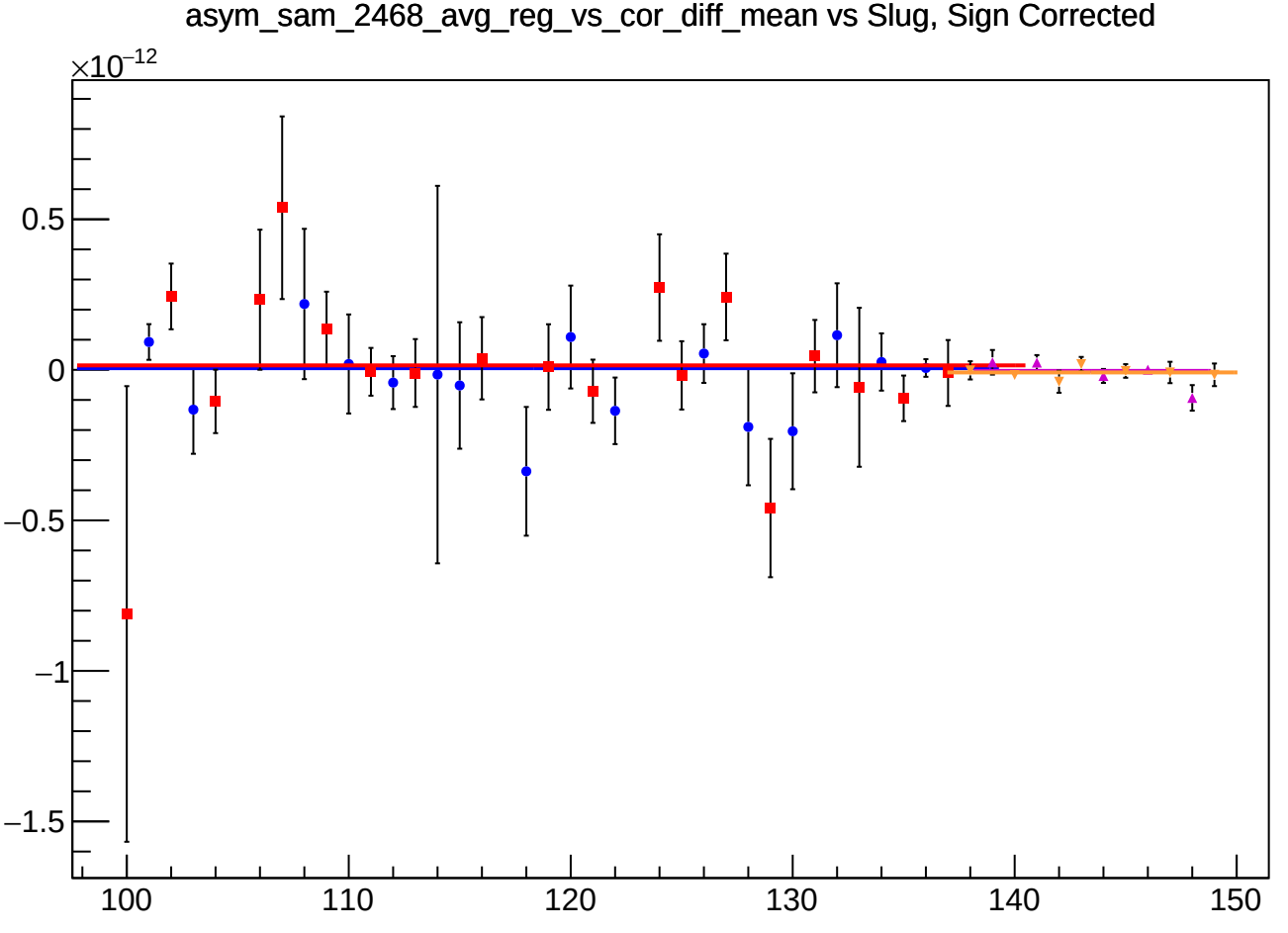
Left: 683.046+/-0.159 χ^2/NDF: 673040.6/11

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 862.149+/-0.193 χ^2/NDF:3044568.0/20

Out: 868.012+/-0.184 χ^2/NDF:3225205.6/25

All: 865.222+/-0.133 χ^2/NDF: 6270255.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/4

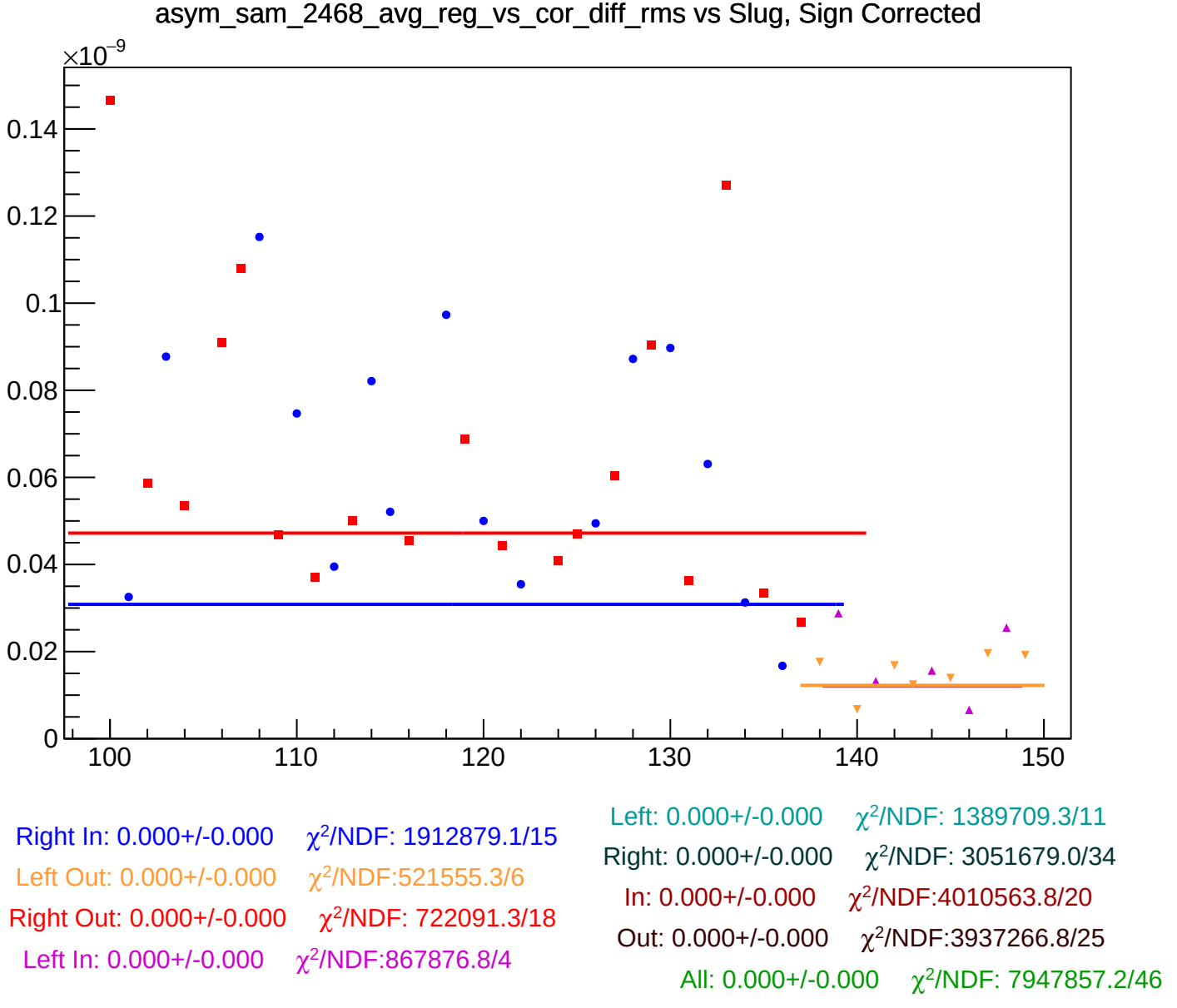
Left: -0.000+/-0.000 χ^2/NDF: 9.4/11

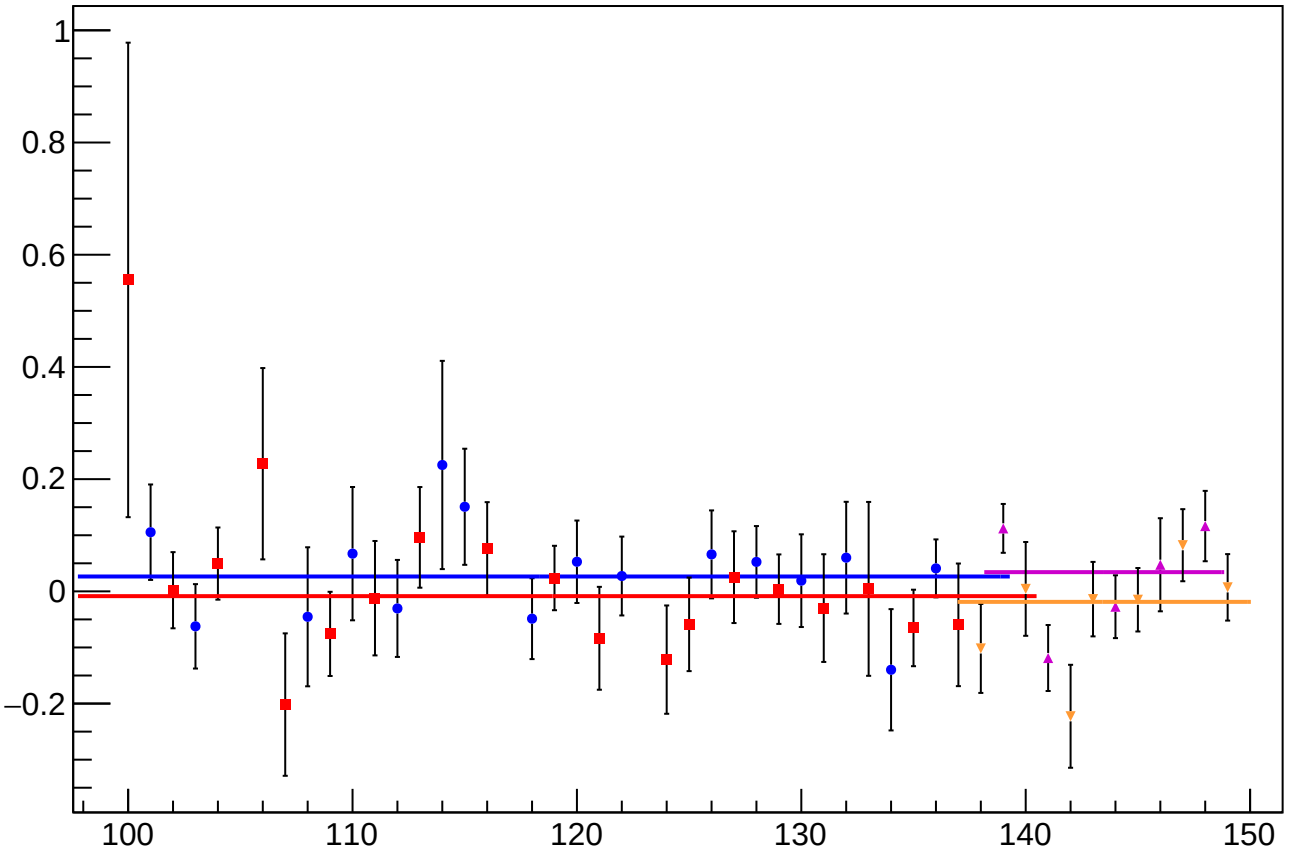
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:18.6/20

Out: -0.000+/-0.000 χ^2/NDF:26.9/25

All: -0.000+/-0.000 χ^2/NDF: 45.6/46


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:521555.3/6
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: 1389709.3/11
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:3937266.8/25
All: 0.000+/-0.000 χ²/NDF: 7947857.2/46



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.019+/-0.026 χ^2/NDF:8.8/6

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

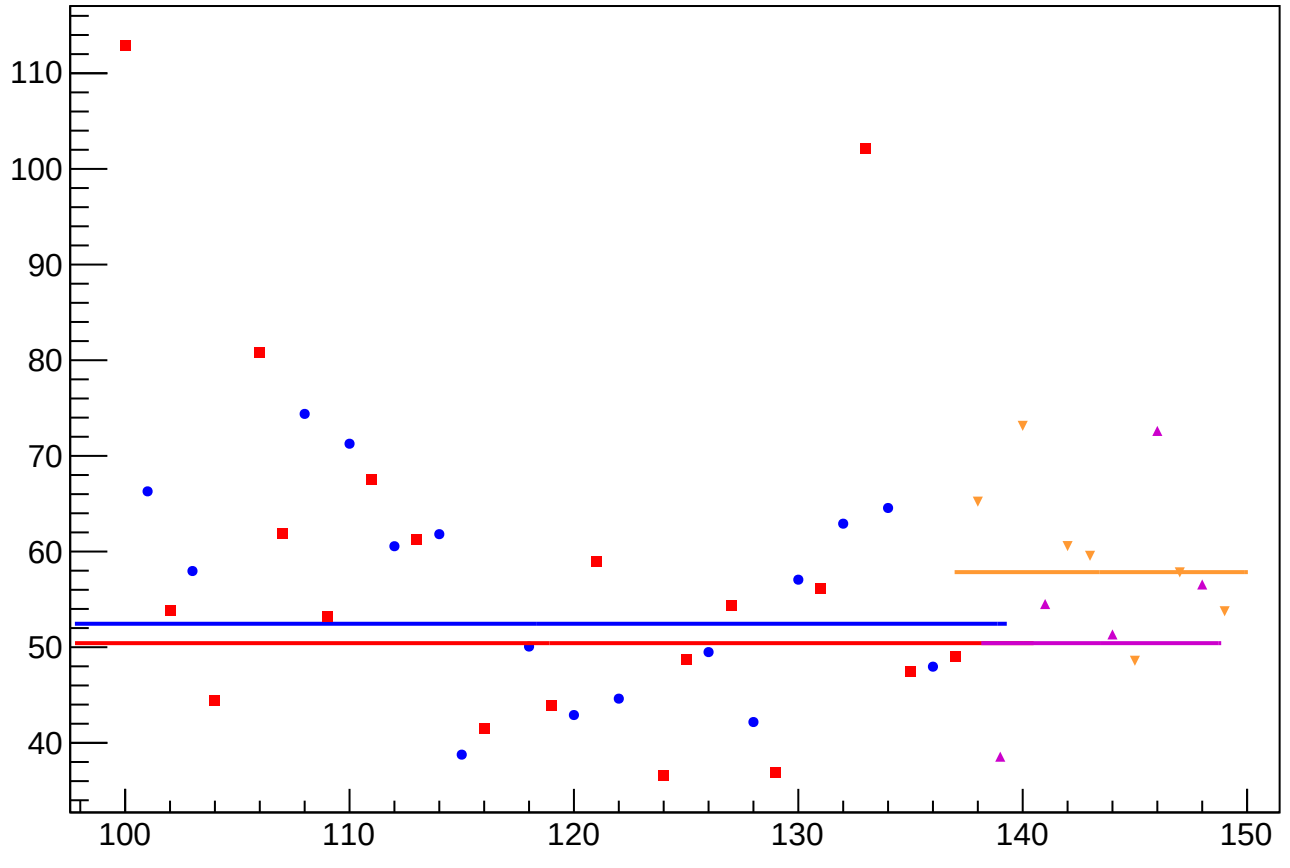
Left: 0.008+/-0.018 χ^2/NDF: 23.8/11

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.012+/-0.016 χ^2/NDF:22.8/25

All: 0.008+/-0.011 χ^2/NDF: 49.3/46



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.848+/-0.018 χ^2/NDF:150447.9/6

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: 54.078+/-0.013 χ^2/NDF: 554649.5/11

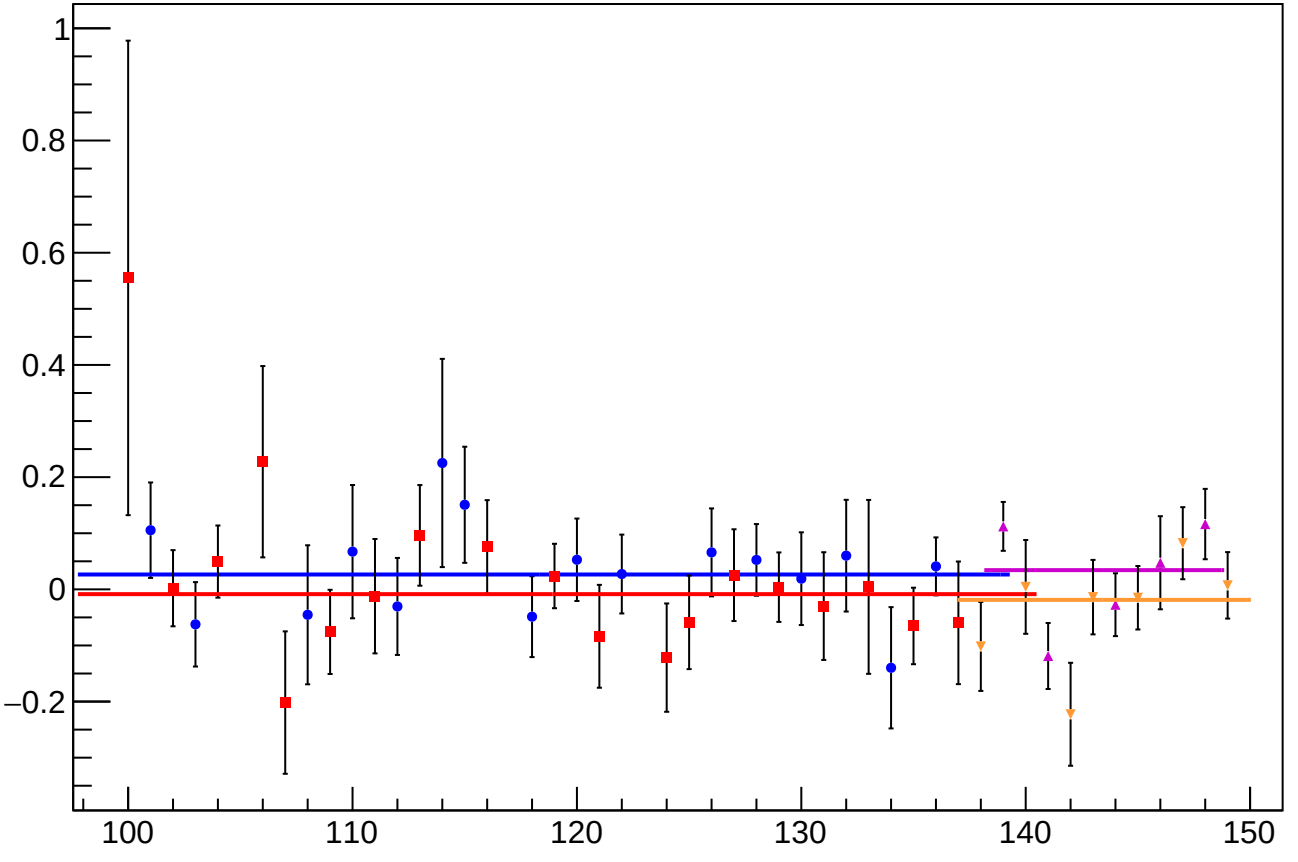
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.661+/-0.011 χ^2/NDF:746617.4/20

Out: 53.102+/-0.011 χ^2/NDF:932061.3/25

All: 52.398+/-0.008 χ^2/NDF: 1687047.6/46

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: -0.019+/-0.026 χ^2/NDF:8.8/6

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

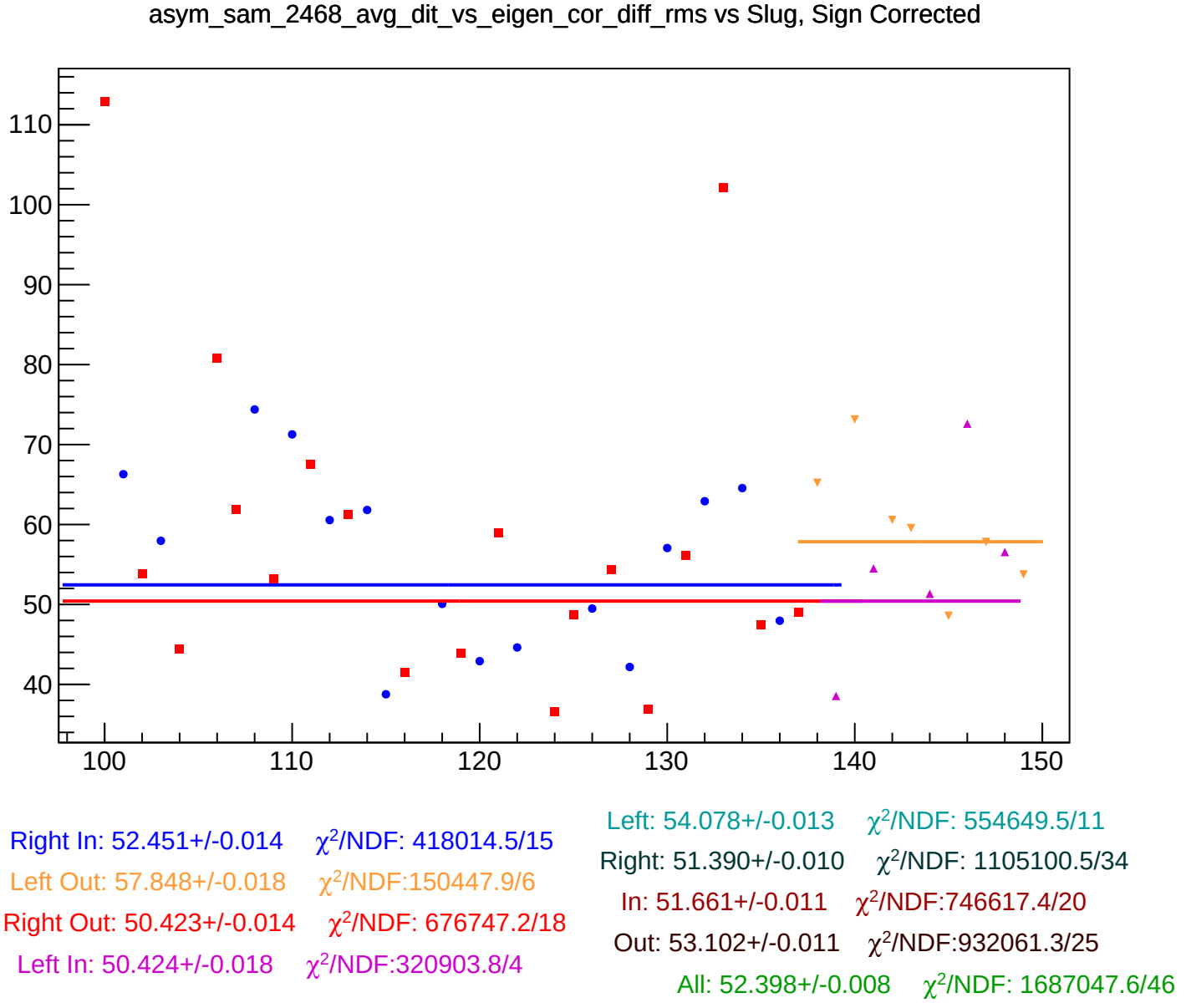
Left: 0.008+/-0.018 χ^2/NDF: 23.8/11

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

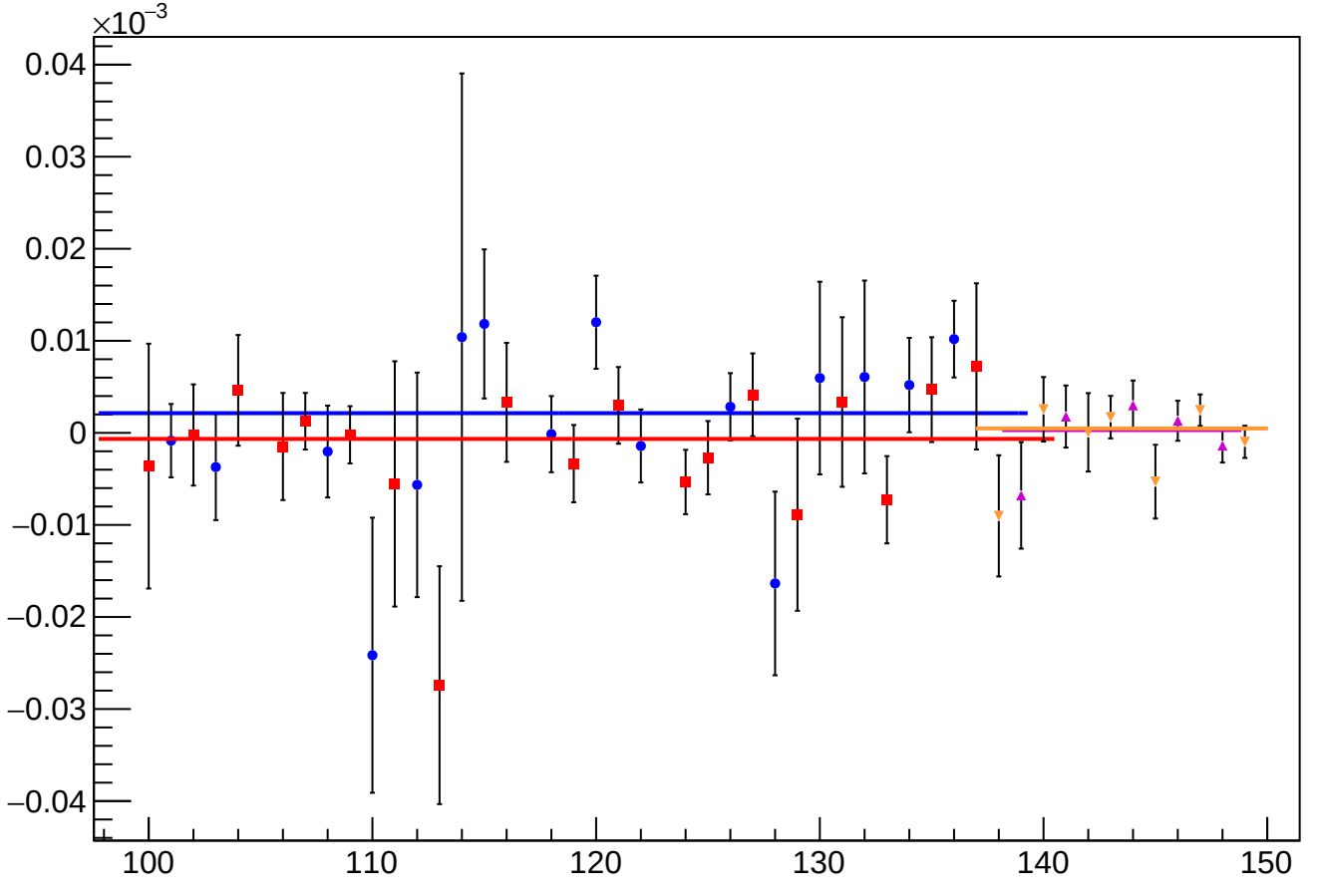
In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.012+/-0.016 χ^2/NDF:22.8/25

All: 0.008+/-0.011 χ^2/NDF: 49.3/46


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 52.451+/-0.014 χ²/NDF: 418014.5/15
Left Out: 57.848+/-0.018 χ²/NDF:150447.9/6
Right Out: 50.423+/-0.014 χ²/NDF: 676747.2/18
Left In: 50.424+/-0.018 χ²/NDF:320903.8/4
Left: 54.078+/-0.013 χ²/NDF: 554649.5/11
Right: 51.390+/-0.010 χ²/NDF: 1105100.5/34
In: 51.661+/-0.011 χ²/NDF:746617.4/20
Out: 53.102+/-0.011 χ²/NDF:932061.3/25
All: 52.398+/-0.008 χ²/NDF: 1687047.6/46

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:6.8/6

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: 10.6/11

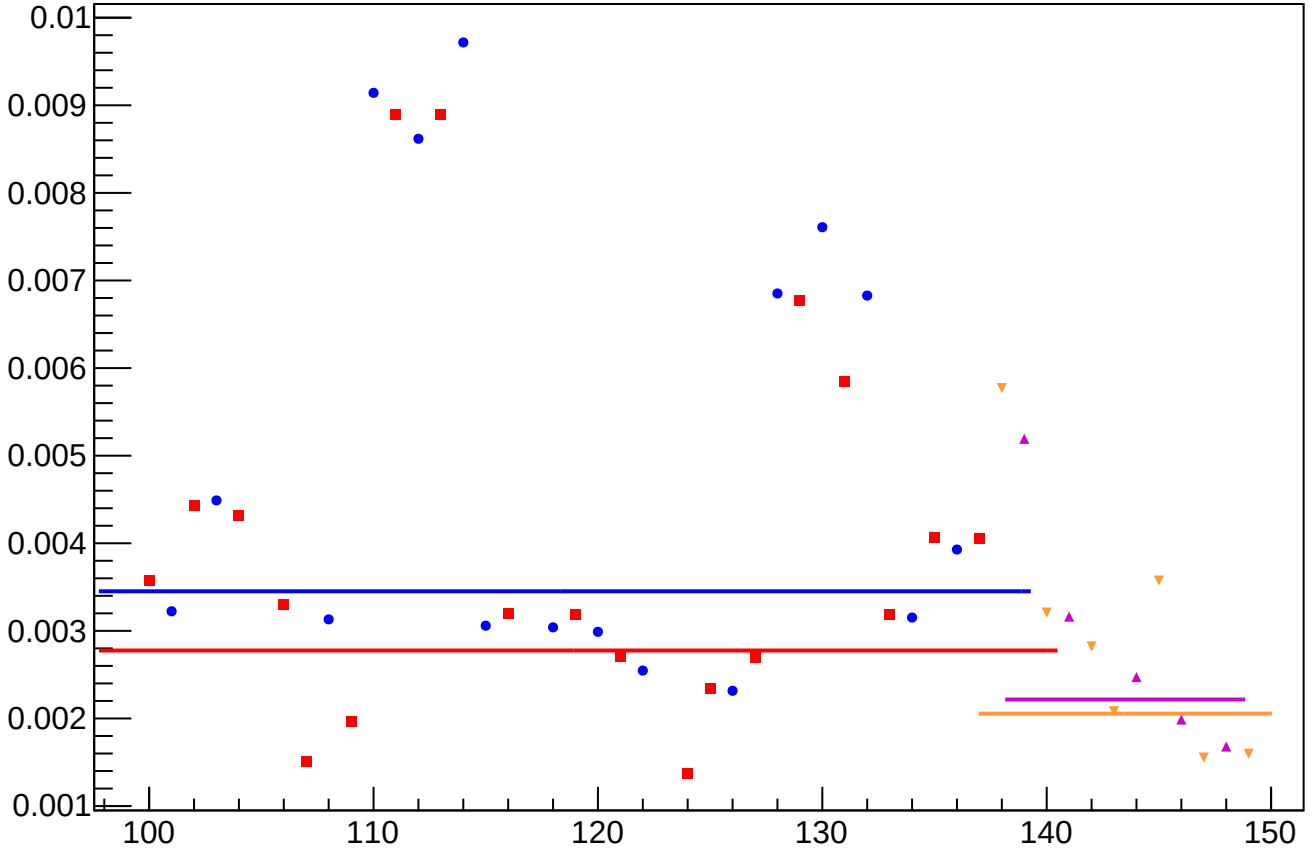
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:24.9/20

Out: 0.000+/-0.000 χ^2/NDF:22.3/25

All: 0.000+/-0.000 χ^2/NDF: 47.9/46

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:1515500.6/6

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: 2436421.4/11

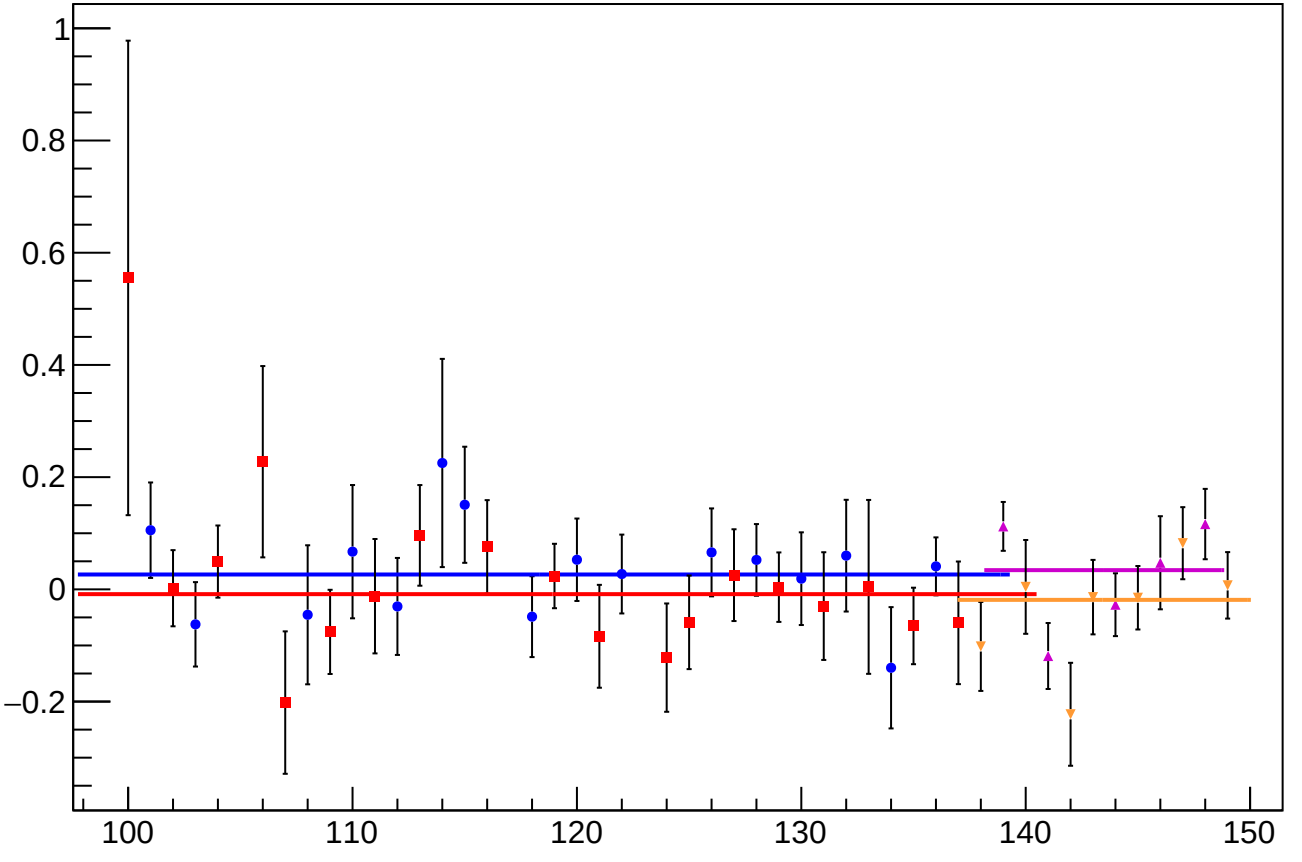
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:3794086.9/20

Out: 0.002+/-0.000 χ^2/NDF:4713133.7/25

All: 0.003+/-0.000 χ^2/NDF: 8708048.6/46

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: -0.019+/-0.026 χ^2/NDF:8.8/6

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

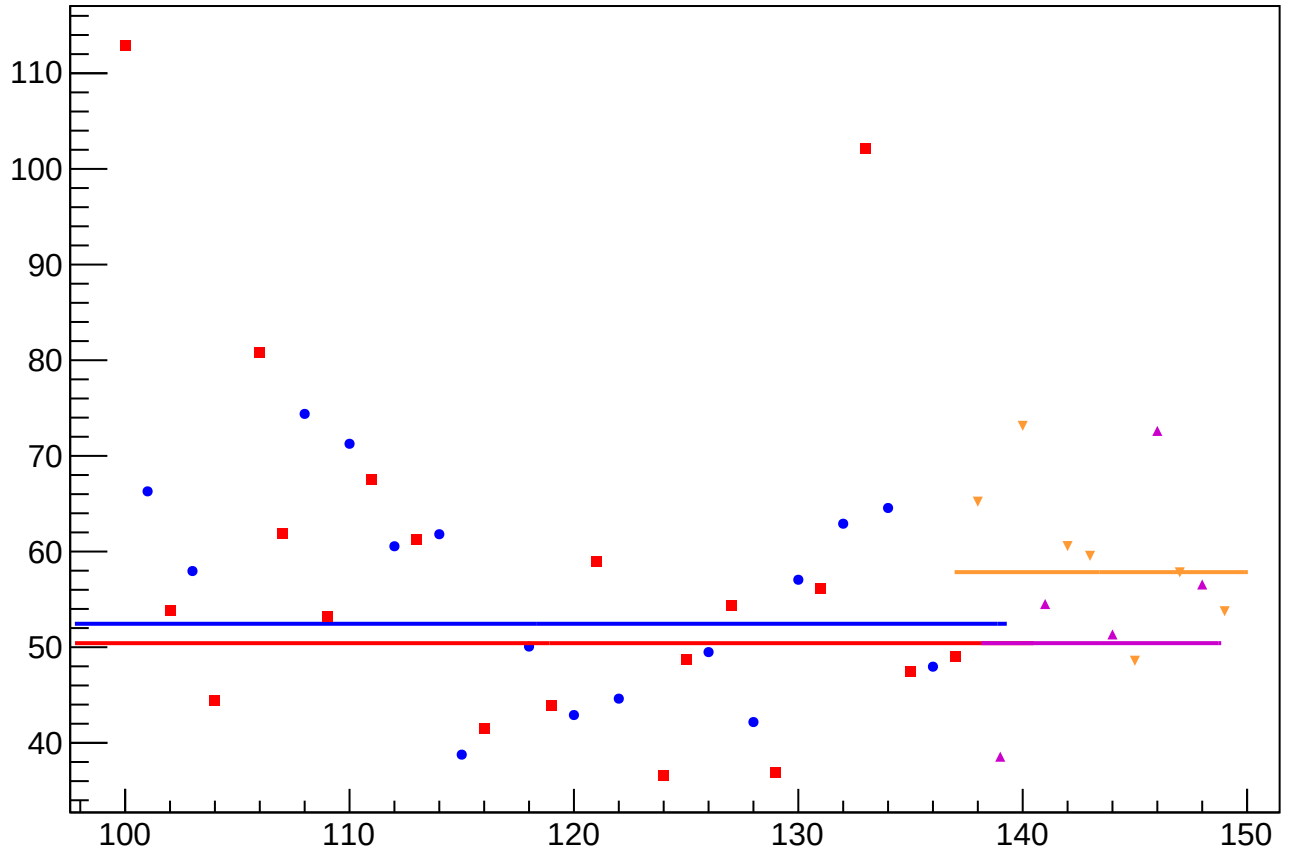
Left: 0.008+/-0.018 χ^2/NDF: 23.8/11

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.012+/-0.016 χ^2/NDF:22.8/25

All: 0.008+/-0.011 χ^2/NDF: 49.3/46



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.849+/-0.018 χ^2/NDF:150418.5/6

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: 54.078+/-0.013 χ^2/NDF: 554677.1/11

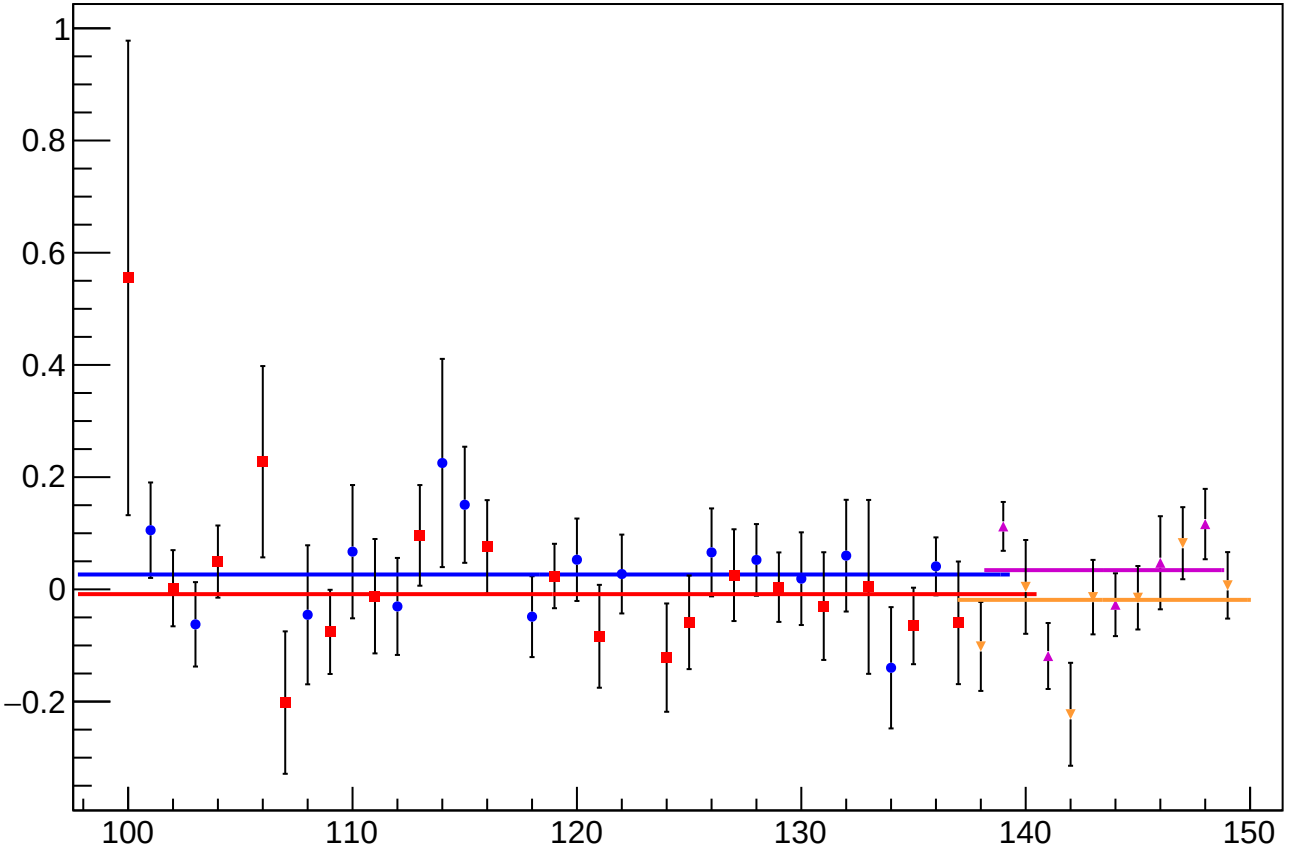
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.660+/-0.011 χ^2/NDF:746605.2/20

Out: 53.101+/-0.011 χ^2/NDF:932086.2/25

All: 52.397+/-0.008 χ^2/NDF: 1687061.8/46

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: -0.019+/-0.026 χ^2/NDF:8.8/6

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.034+/-0.026 χ^2/NDF:12.9/4

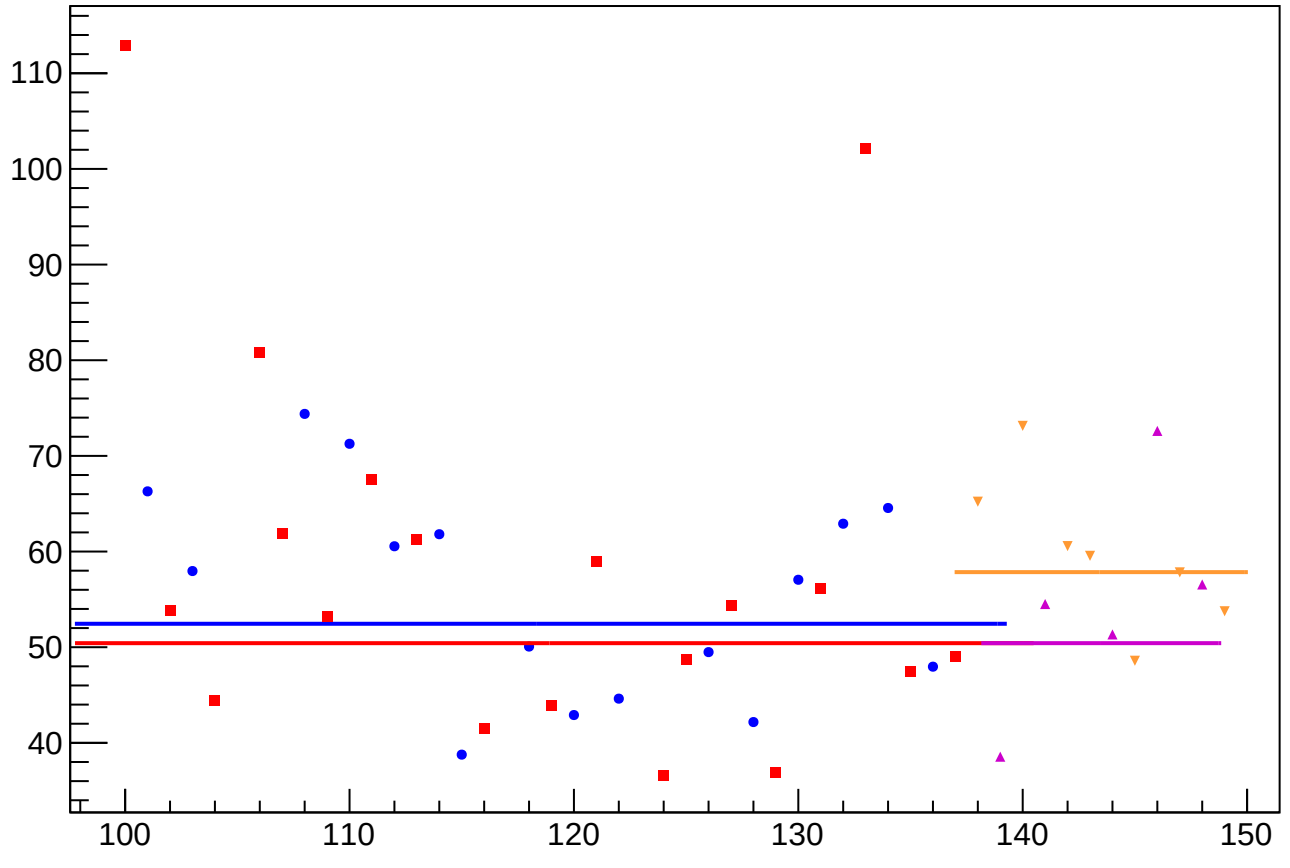
Left: 0.008+/-0.018 χ^2/NDF: 23.8/11

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.030+/-0.016 χ^2/NDF:22.9/20

Out: -0.012+/-0.016 χ^2/NDF:22.8/25

All: 0.008+/-0.011 χ^2/NDF: 49.3/46



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.849+/-0.018 χ^2/NDF:150418.5/6

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.424+/-0.018 χ^2/NDF:320946.4/4

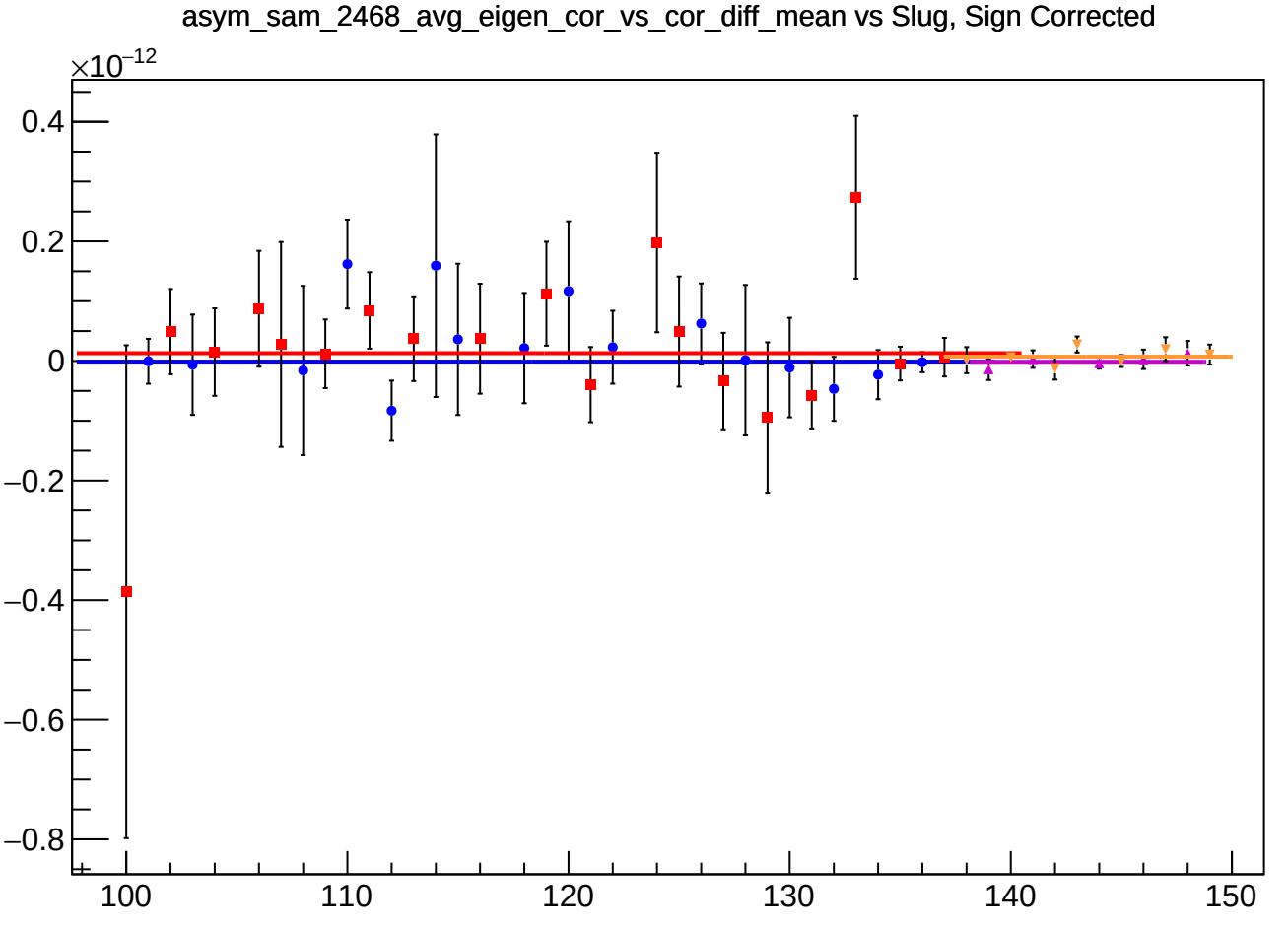
Left: 54.078+/-0.013 χ^2/NDF: 554677.1/11

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.660+/-0.011 χ^2/NDF:746605.2/20

Out: 53.101+/-0.011 χ^2/NDF:932086.2/25

All: 52.397+/-0.008 χ^2/NDF: 1687061.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/4

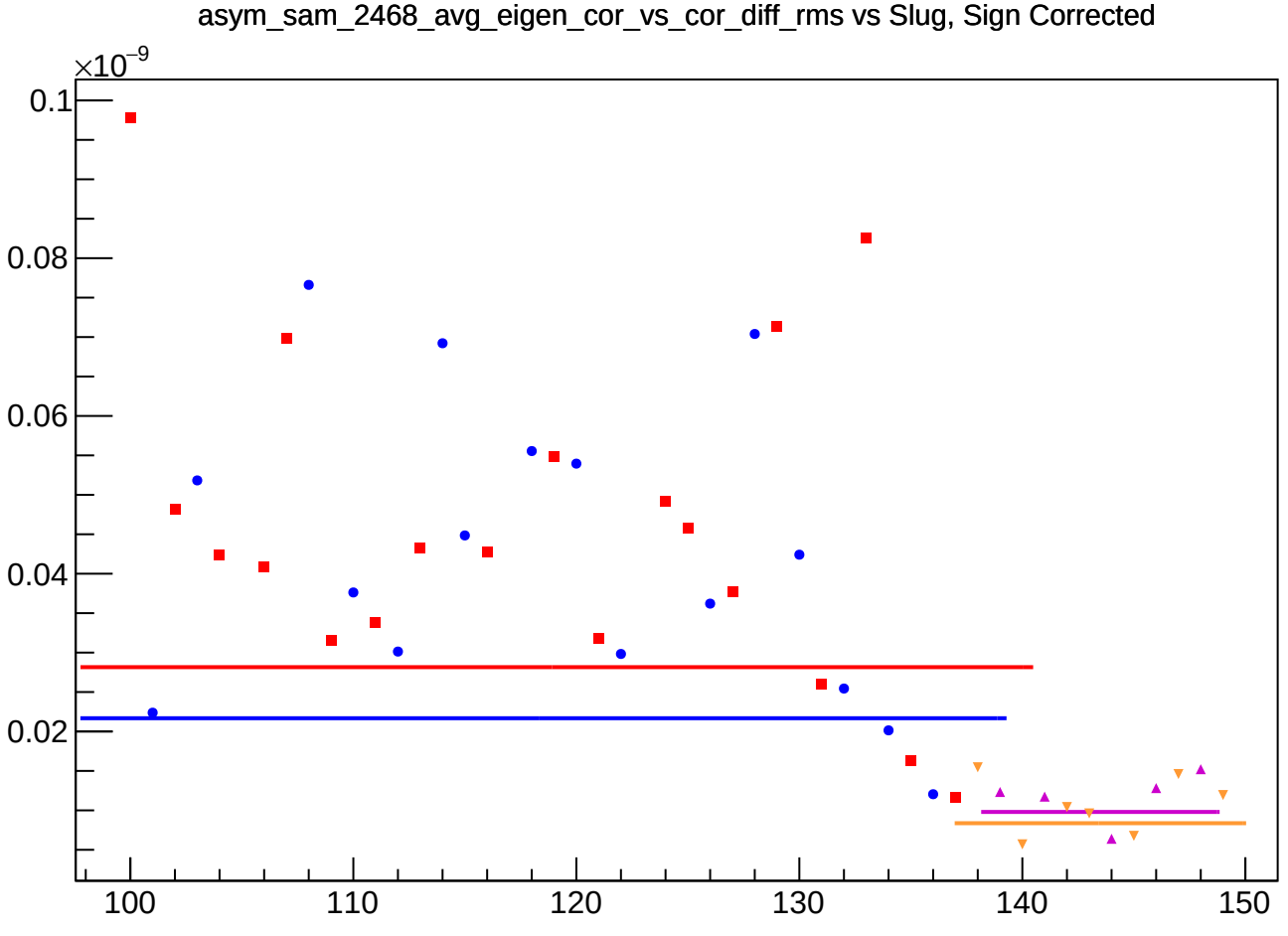
Left: 0.000+/-0.000 χ^2/NDF: 6.8/11

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:18.2/25

All: 0.000+/-0.000 χ^2/NDF: 32.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:805560.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:563618.3/4

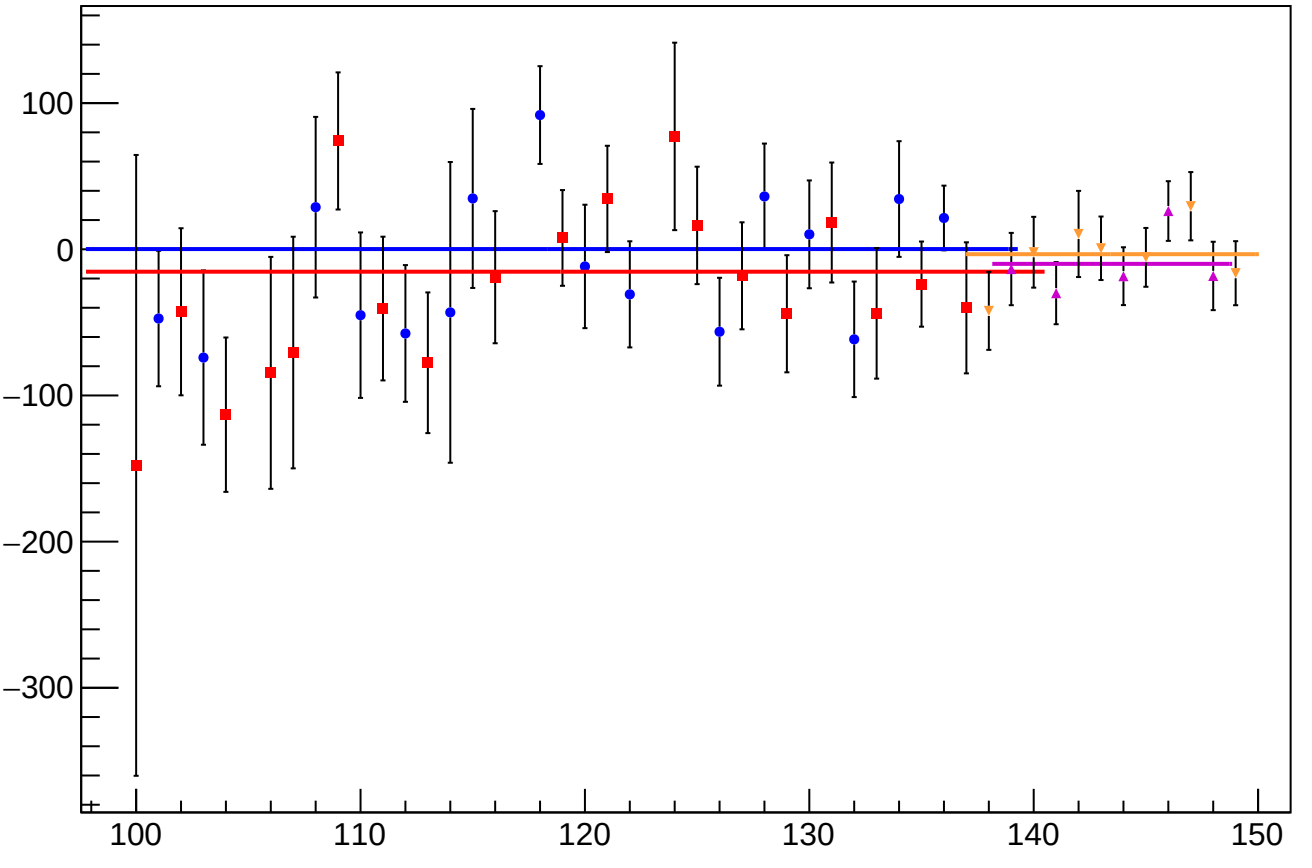
Left: 0.000+/-0.000 χ^2/NDF: 1434326.8/11

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:6526072.0/25

All: 0.000+/-0.000 χ^2/NDF: 11302810.5/46



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -3.354+/-8.851 χ^2/NDF:4.7/6

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -9.973+/-9.699 χ^2/NDF:4.4/4

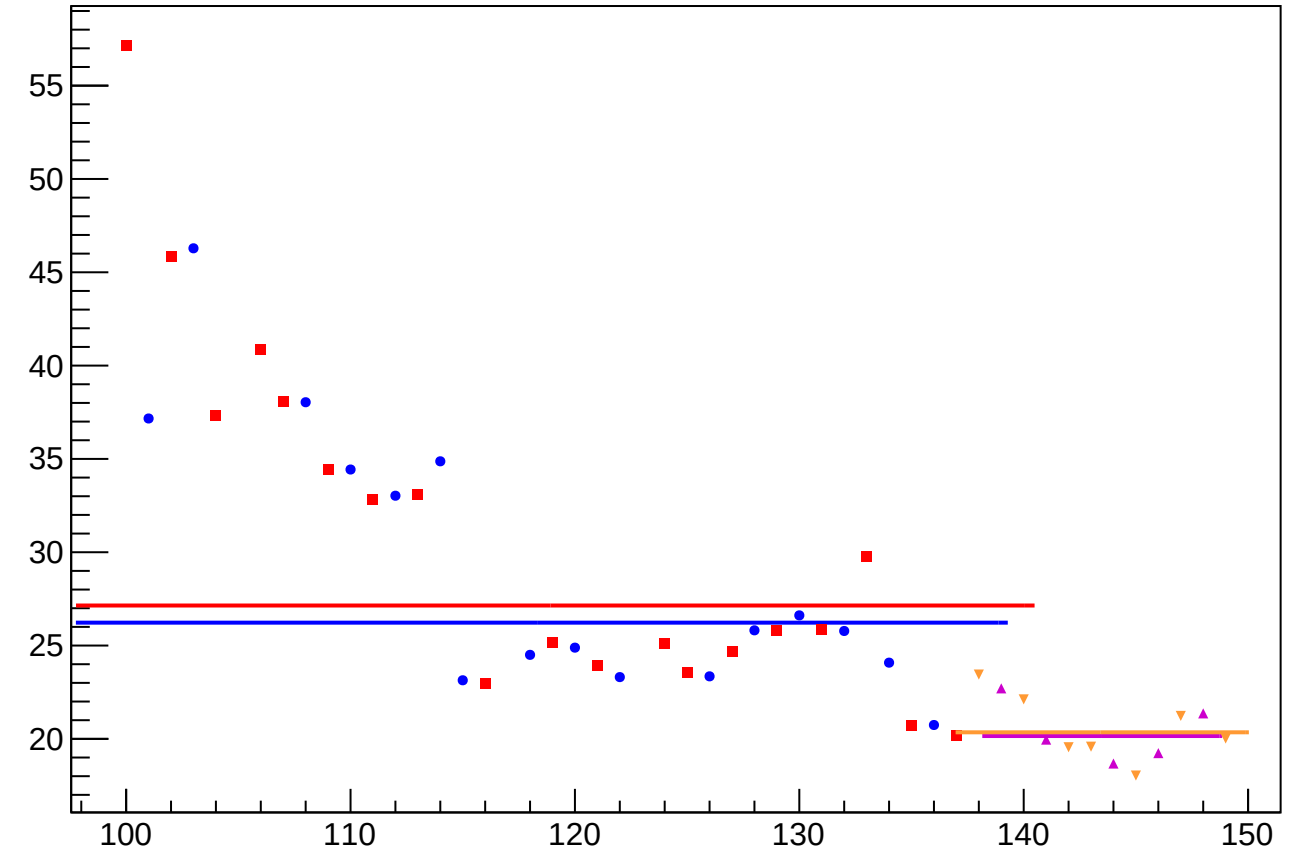
Left: -6.361+/-6.538 χ^2/NDF: 9.3/11

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.088+/-6.978 χ^2/NDF:26.2/20

Out: -8.461+/-6.704 χ^2/NDF:23.4/25

All: -6.842+/-4.834 χ^2/NDF: 49.8/46



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.351+/-0.006 χ^2/NDF:71301.1/6

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

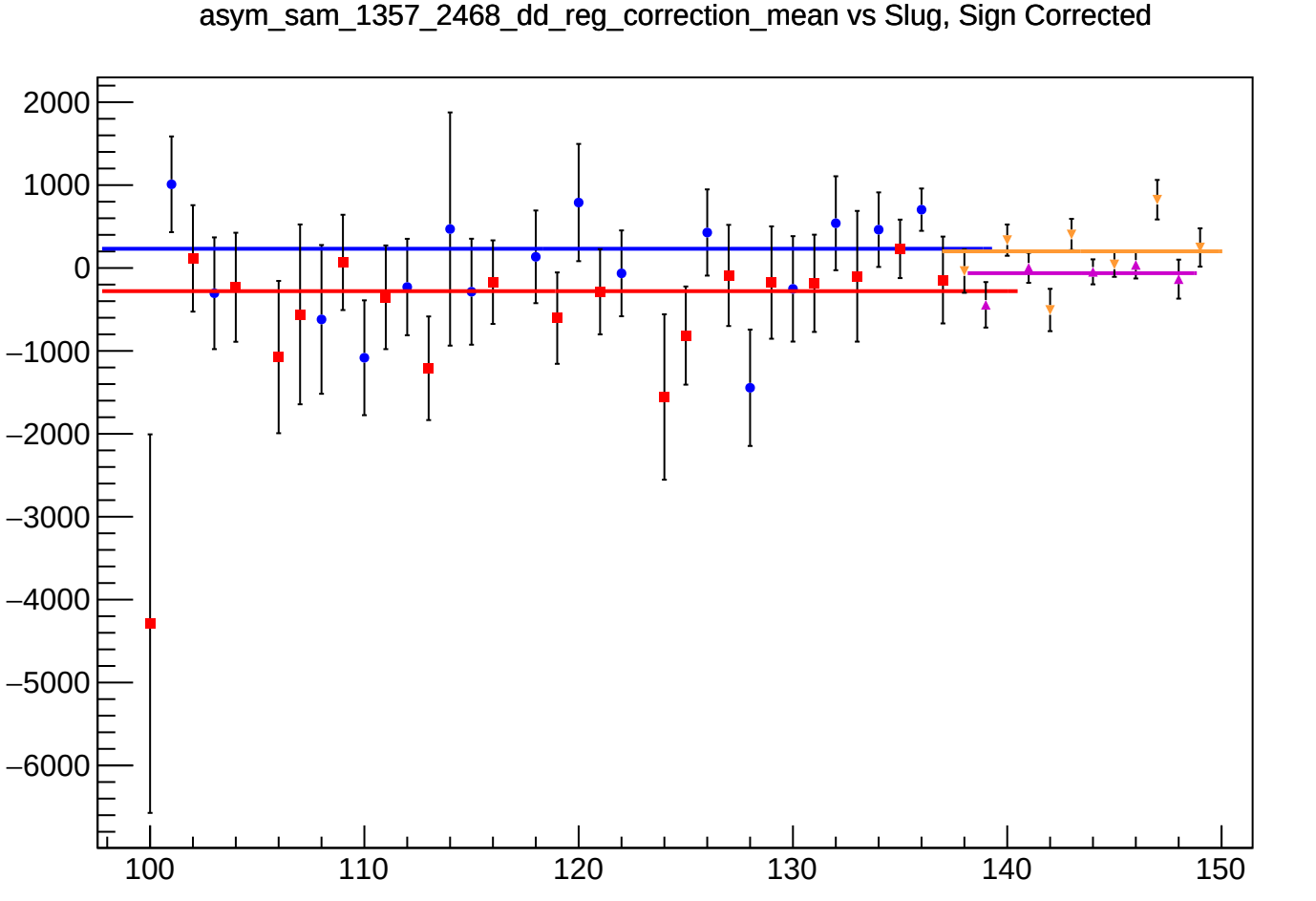
Left: 20.261+/-0.005 χ^2/NDF: 113752.3/11

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

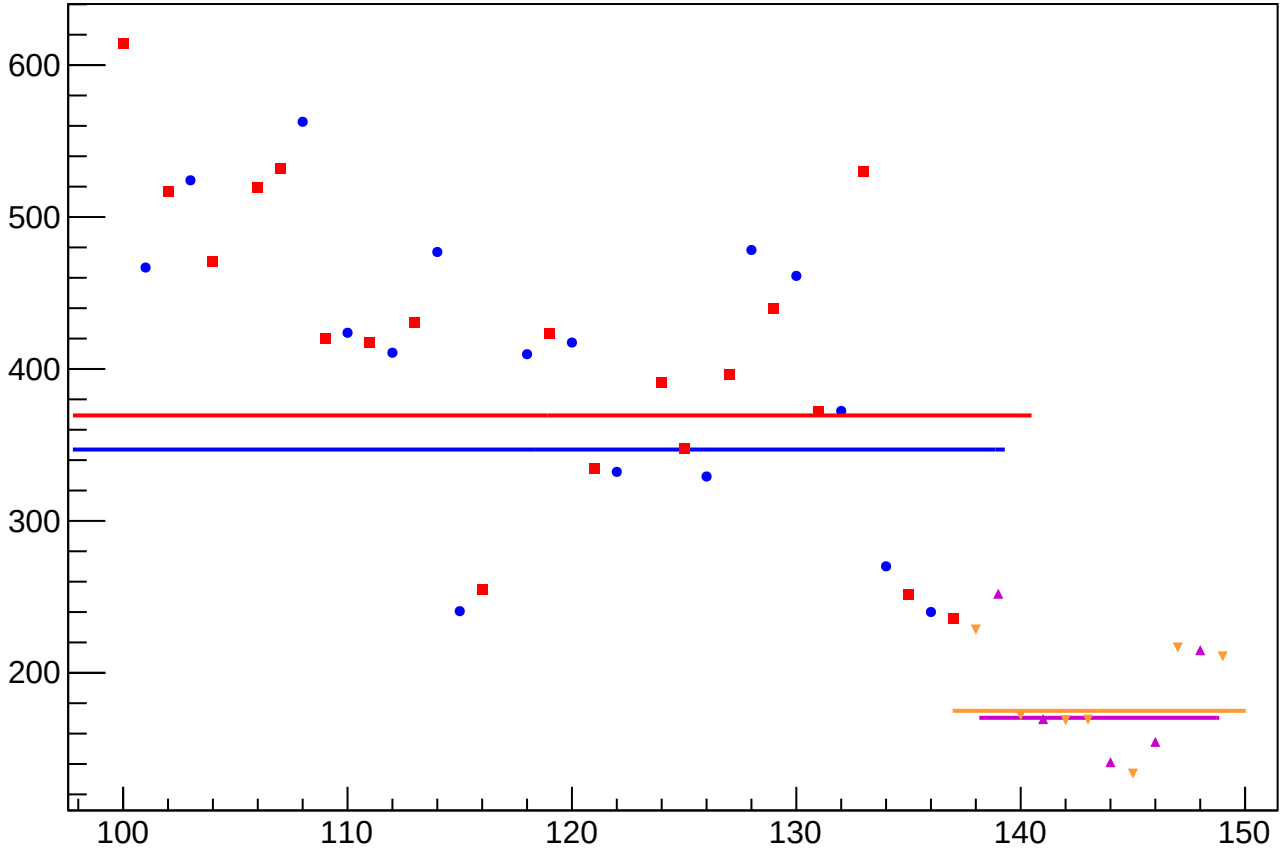
In: 23.083+/-0.005 χ^2/NDF:1096407.5/20

Out: 23.248+/-0.005 χ^2/NDF:1329152.3/25

All: 23.168+/-0.003 χ^2/NDF: 2426142.6/46


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: 201.306+/-77.330 χ²/NDF:18.2/6
Right Out: -279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -62.109+/-83.655 χ²/NDF:2.5/4
Left: 79.932+/-56.785 χ²/NDF: 26.0/11
Right: -14.004+/-97.119 χ²/NDF: 38.6/34
In: 19.630+/-71.090 χ²/NDF:25.6/20
Out: 88.970+/-67.686 χ²/NDF:39.3/25
All: 56.000+/-49.021 χ²/NDF: 65.4/46

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: 174.989+/-0.055 χ^2/NDF:348277.5/6

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 170.396+/-0.059 χ^2/NDF:342303.0/4

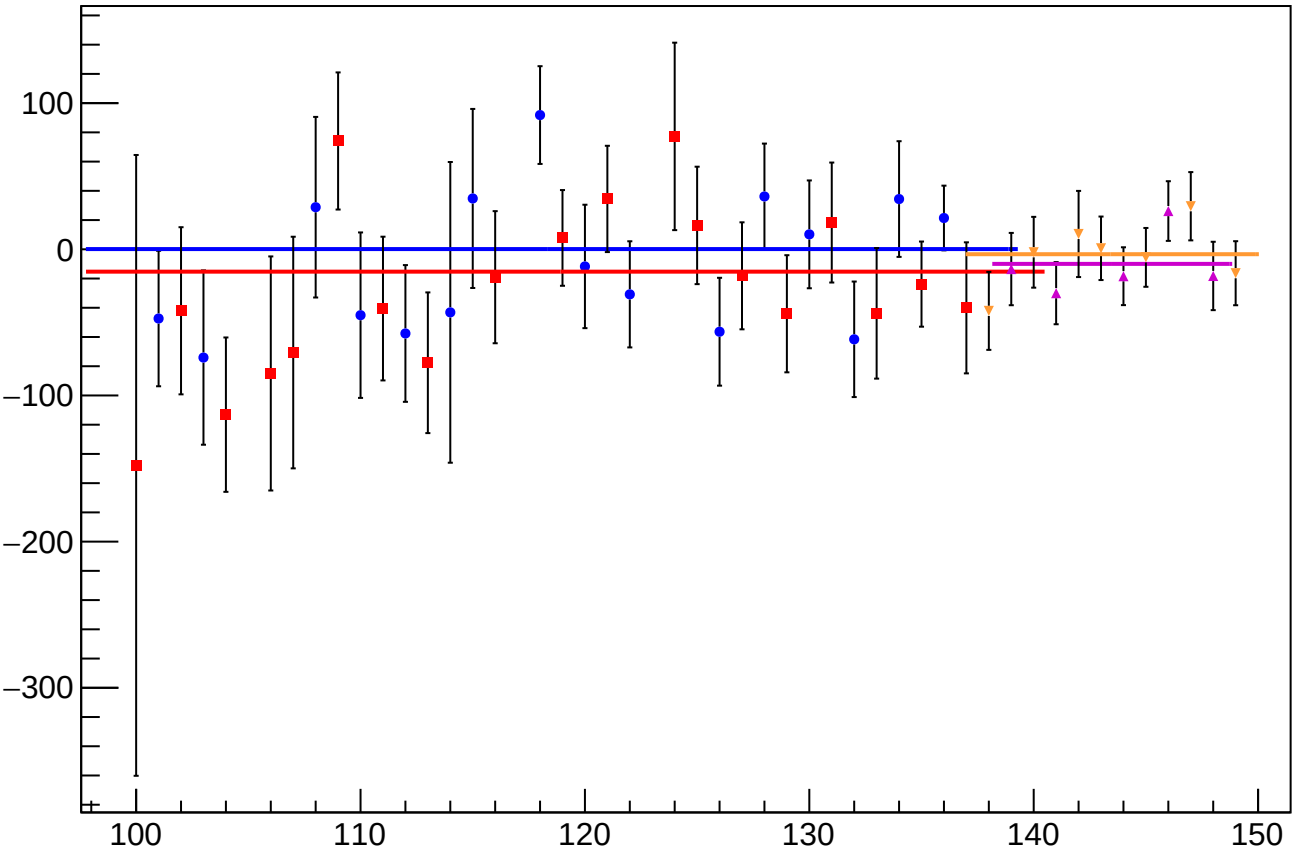
Left: 172.873+/-0.040 χ^2/NDF: 693832.0/11

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 219.454+/-0.050 χ^2/NDF:3875933.1/20

Out: 220.457+/-0.048 χ^2/NDF:4223664.1/25

All: 219.980+/-0.035 χ^2/NDF: 8099806.2/46



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -3.357+/-8.851 χ^2/NDF:4.7/6

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -9.976+/-9.699 χ^2/NDF:4.4/4

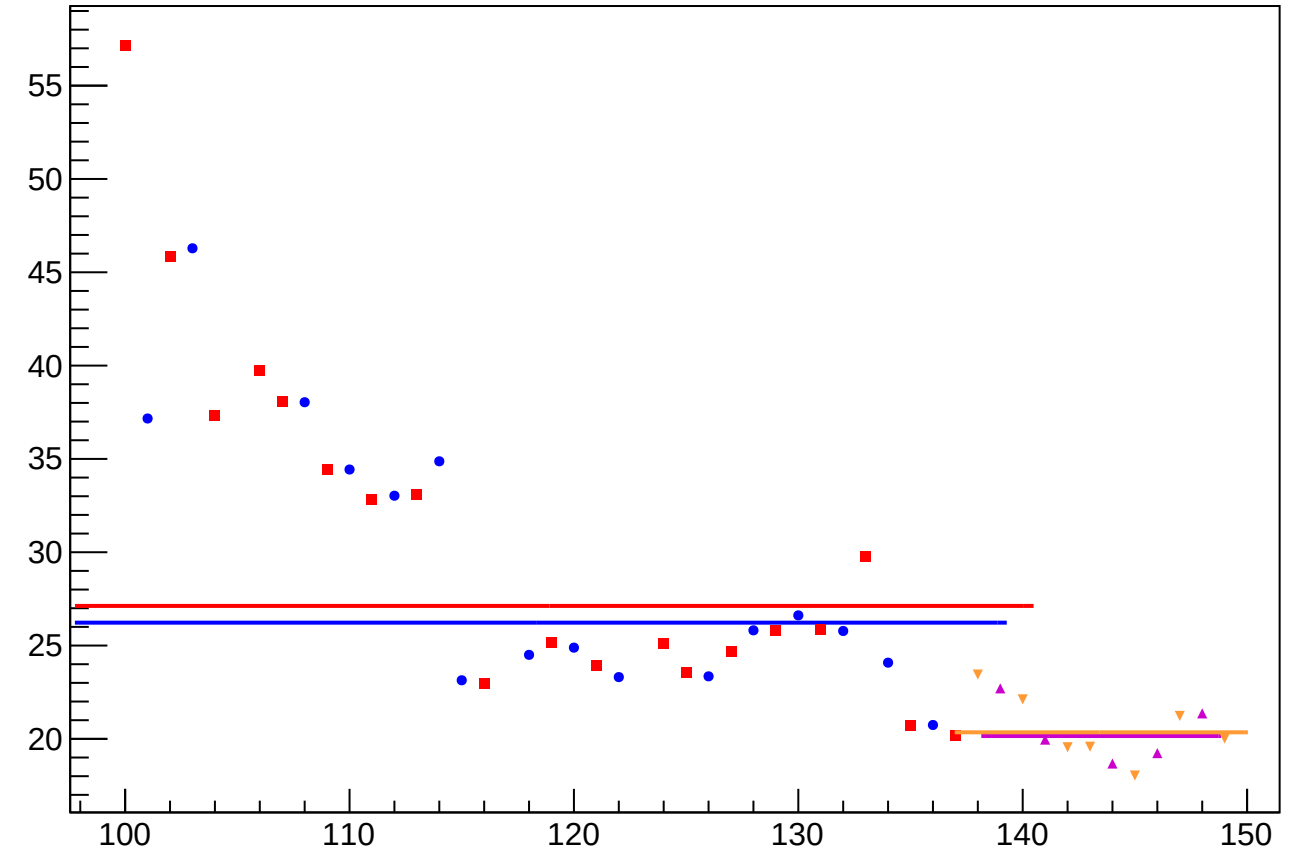
Left: -6.365+/-6.538 χ^2/NDF: 9.3/11

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.088+/-6.978 χ^2/NDF:26.2/20

Out: -8.444+/-6.704 χ^2/NDF:23.4/25

All: -6.834+/-4.835 χ^2/NDF: 49.7/46



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.351+/-0.006 χ^2/NDF:71301.1/6

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

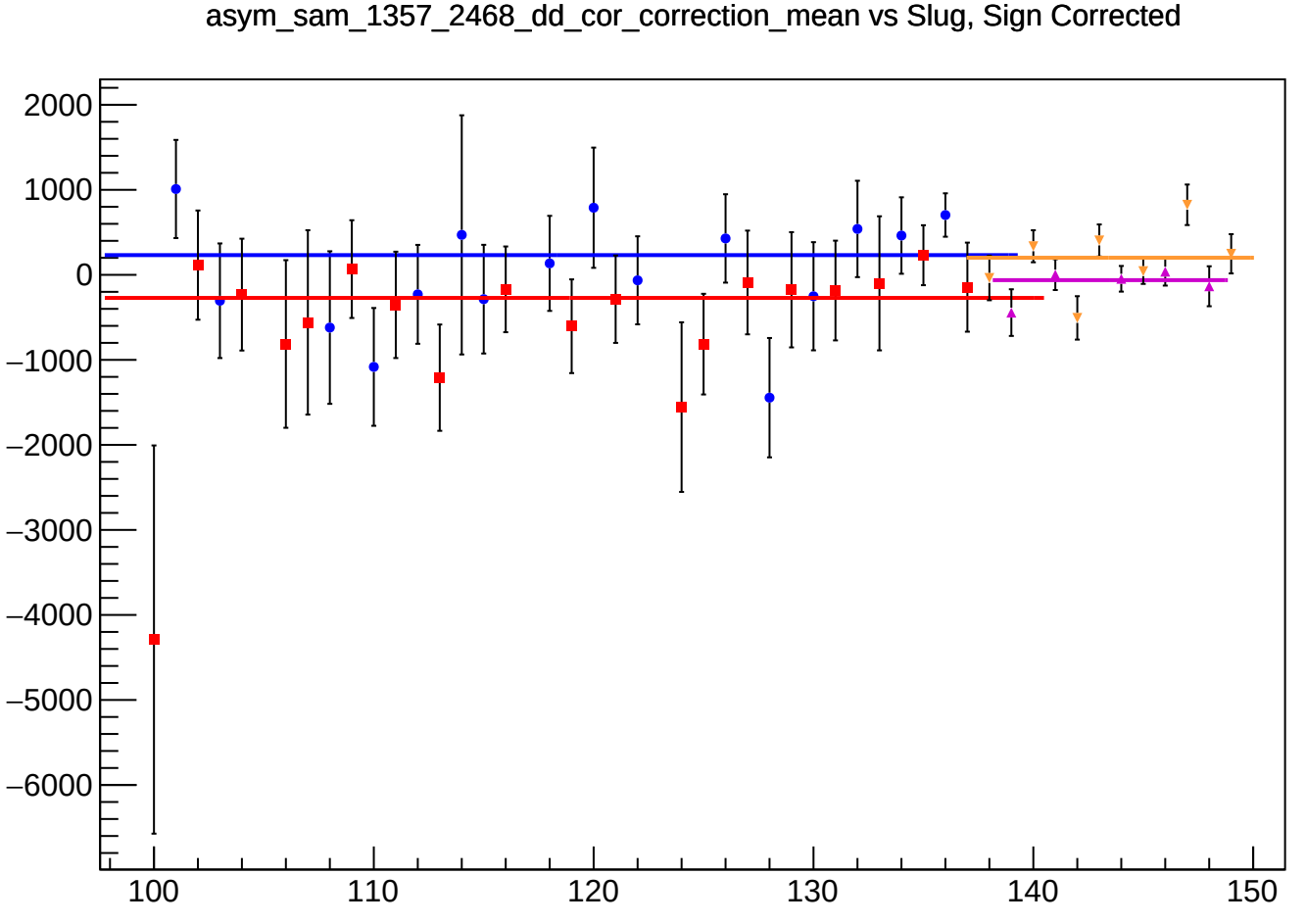
Left: 20.261+/-0.005 χ^2/NDF: 113752.3/11

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.083+/-0.005 χ^2/NDF:1096410.9/20

Out: 23.238+/-0.005 χ^2/NDF:1316077.0/25

All: 23.163+/-0.003 χ^2/NDF: 2413002.9/46



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 201.303+/-77.330 χ^2/NDF:18.2/6

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: 79.929+/-56.785 χ^2/NDF: 26.0/11

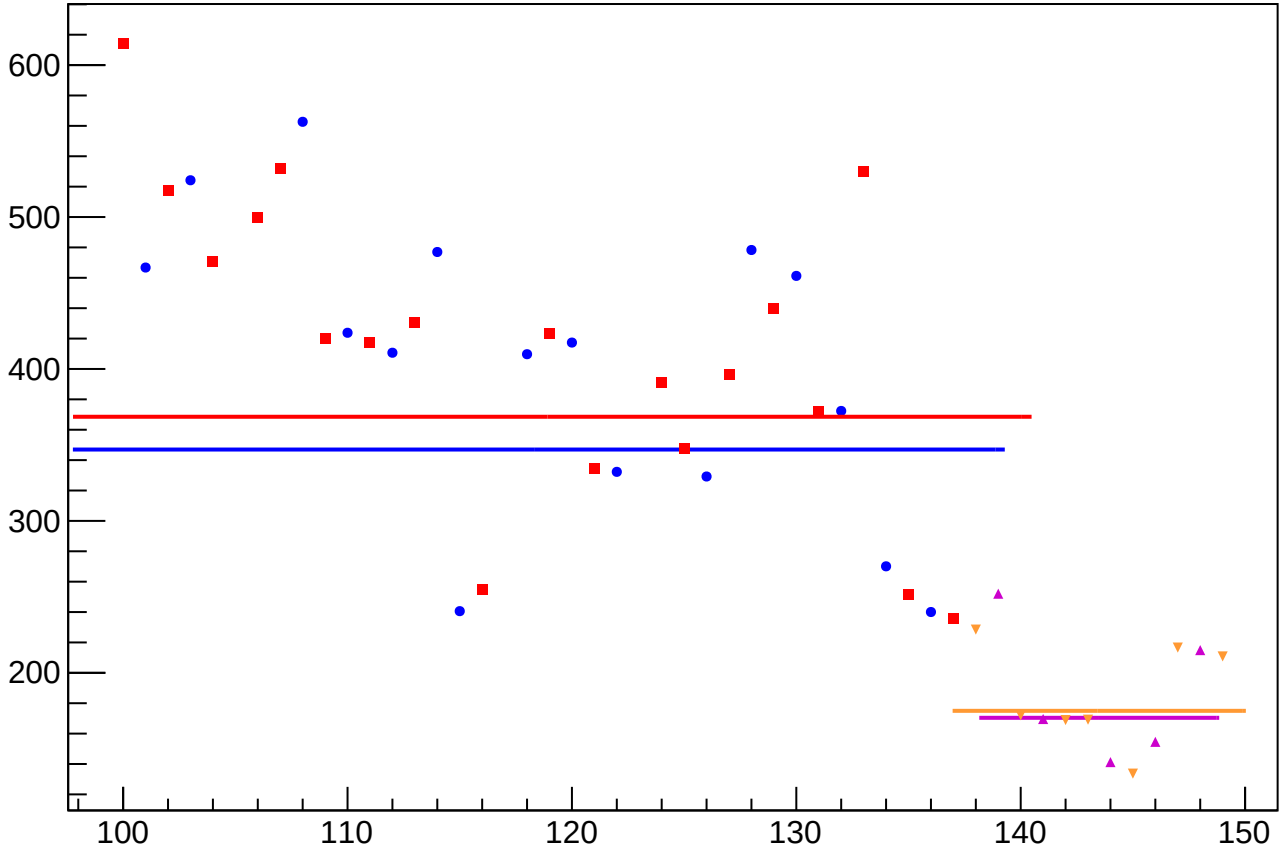
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 19.626+/-71.091 χ^2/NDF:25.6/20

Out: 91.015+/-67.711 χ^2/NDF:38.5/25

All: 57.057+/-49.030 χ^2/NDF: 64.7/46

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: 174.989+/-0.055 χ^2/NDF:348278.6/6

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 170.396+/-0.059 χ^2/NDF:342301.7/4

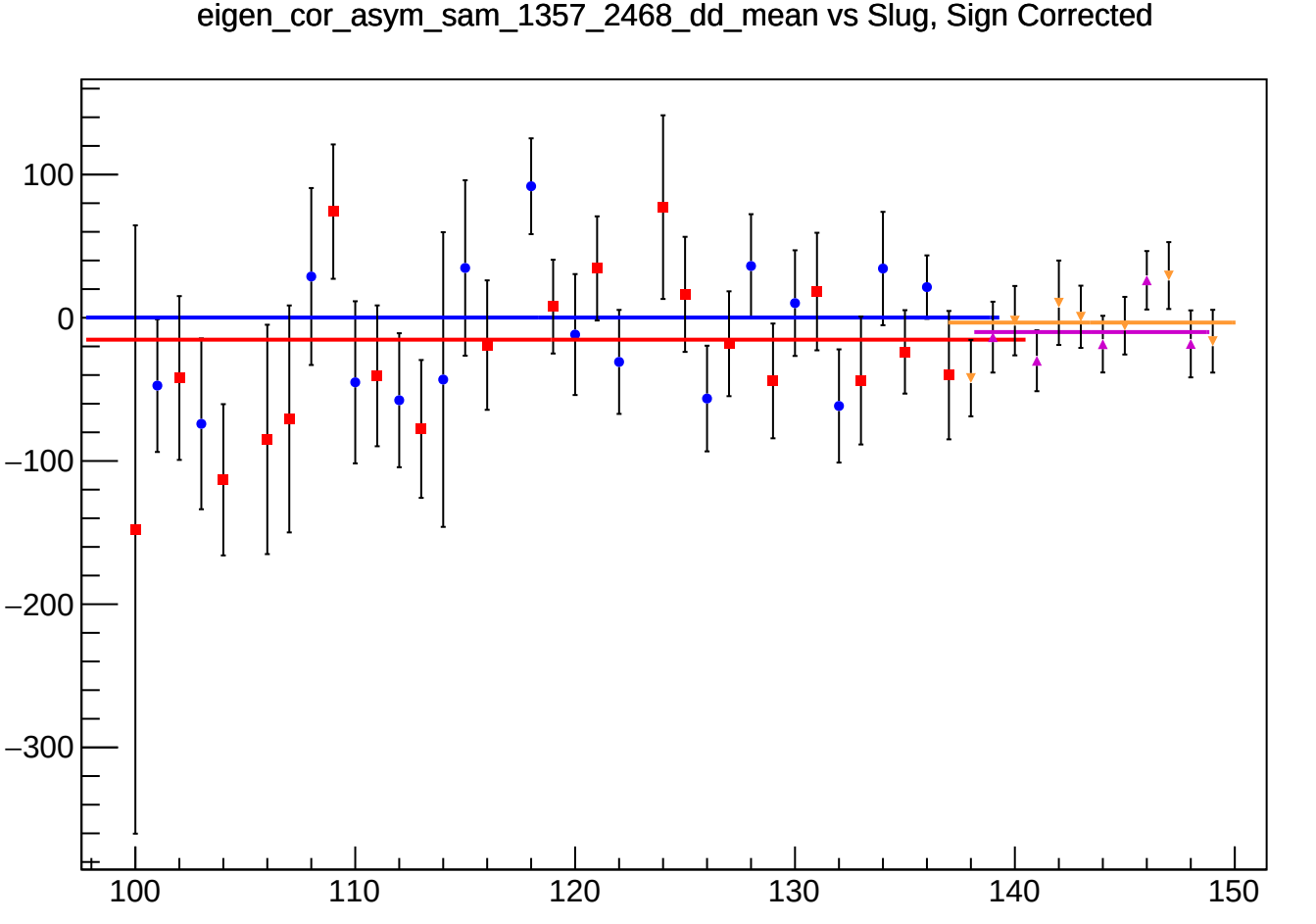
Left: 172.873+/-0.040 χ^2/NDF: 693831.5/11

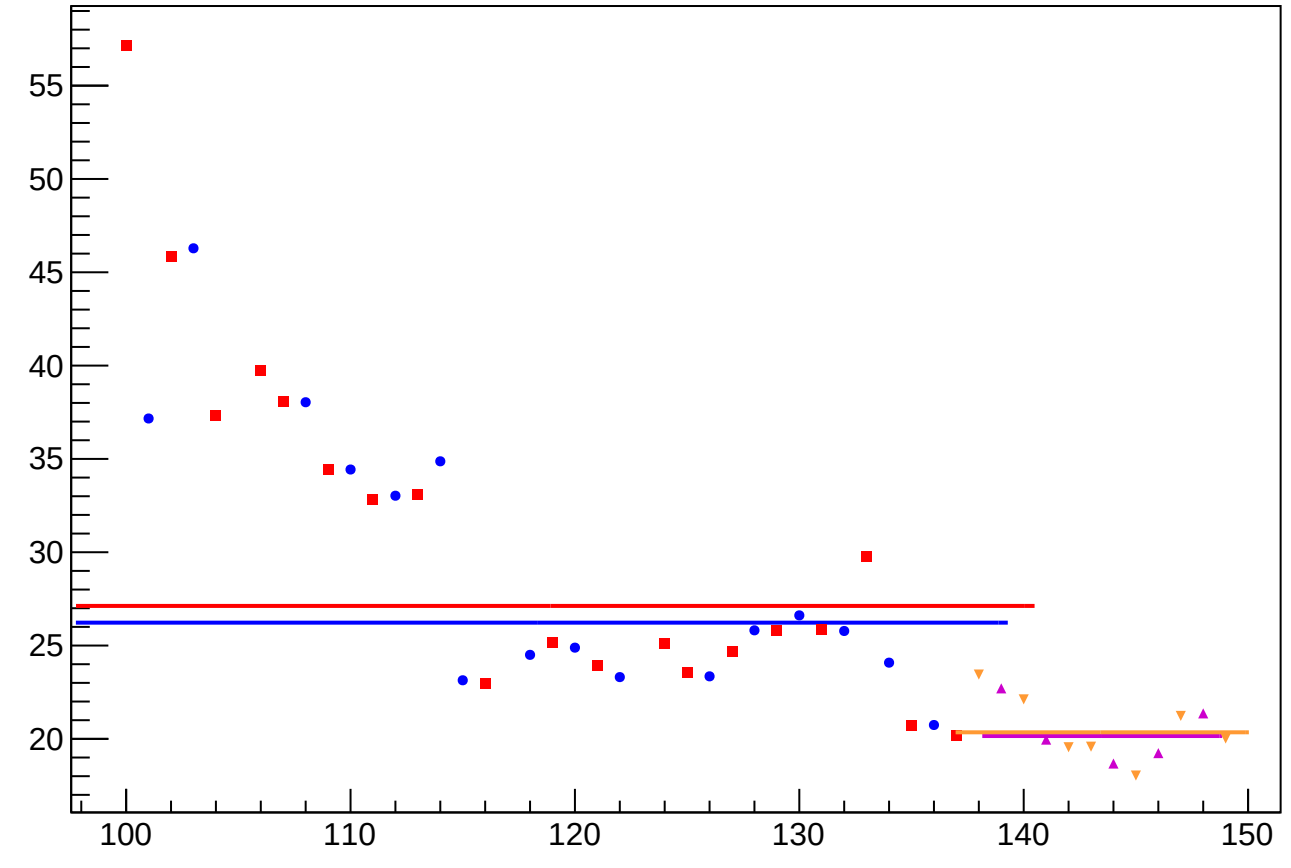
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.454+/-0.050 χ^2/NDF:3875954.4/20

Out: 220.147+/-0.048 χ^2/NDF:4171759.9/25

All: 219.817+/-0.035 χ^2/NDF: 8047813.9/46


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: -3.357+/-8.851 χ²/NDF:4.7/6
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -9.976+/-9.699 χ²/NDF:4.4/4
Left: -6.365+/-6.538 χ²/NDF: 9.3/11
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -5.088+/-6.978 χ²/NDF:26.2/20
Out: -8.444+/-6.704 χ²/NDF:23.4/25
All: -6.834+/-4.835 χ²/NDF: 49.7/46



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.351+/-0.006 χ^2/NDF:71301.1/6

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.152+/-0.007 χ^2/NDF:41992.9/4

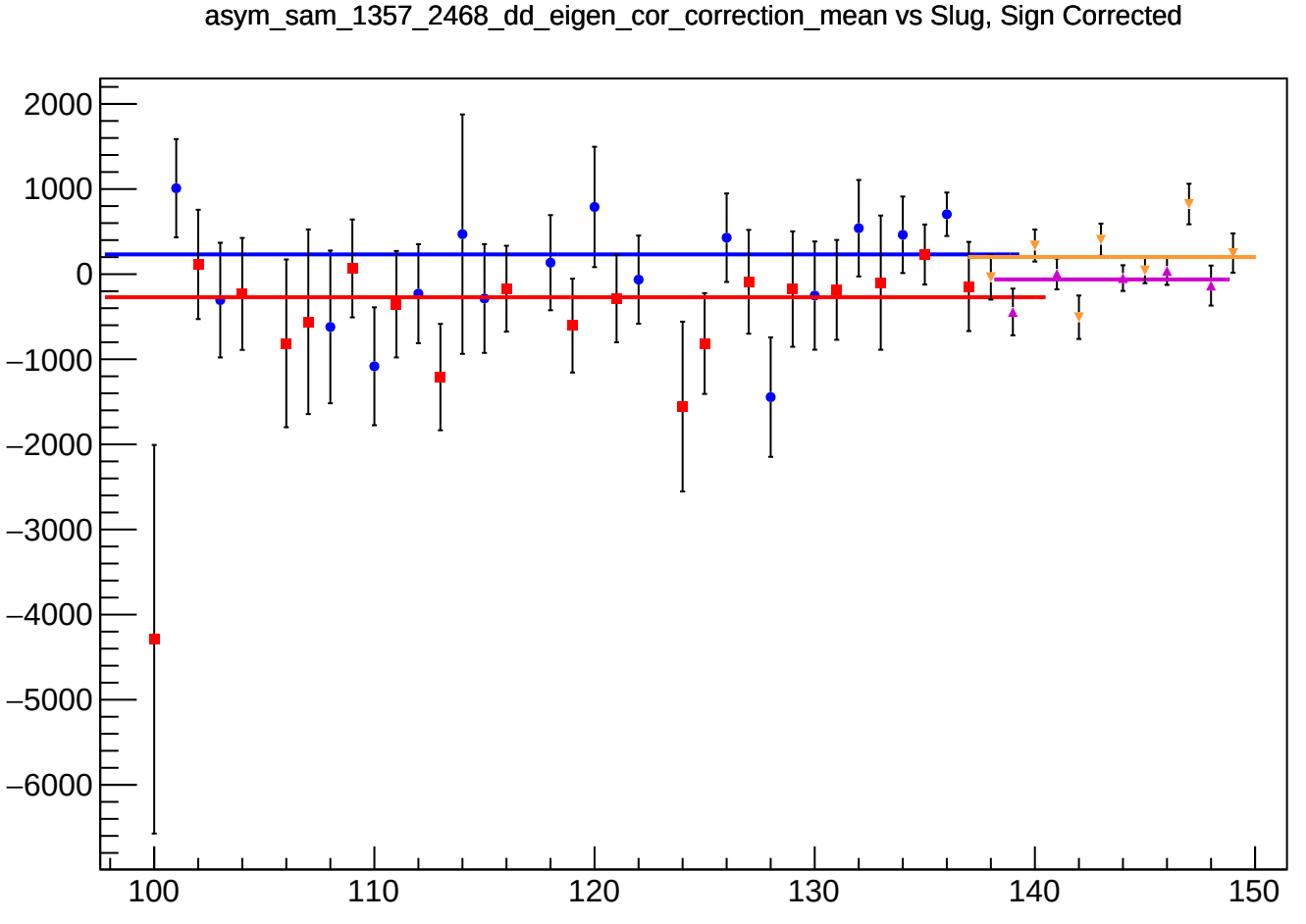
Left: 20.261+/-0.005 χ^2/NDF: 113752.3/11

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.083+/-0.005 χ^2/NDF:1096410.9/20

Out: 23.238+/-0.005 χ^2/NDF:1316077.0/25

All: 23.163+/-0.003 χ^2/NDF: 2413002.9/46



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 201.303+/-77.330 χ^2/NDF:18.2/6

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: 79.929+/-56.785 χ^2/NDF: 26.0/11

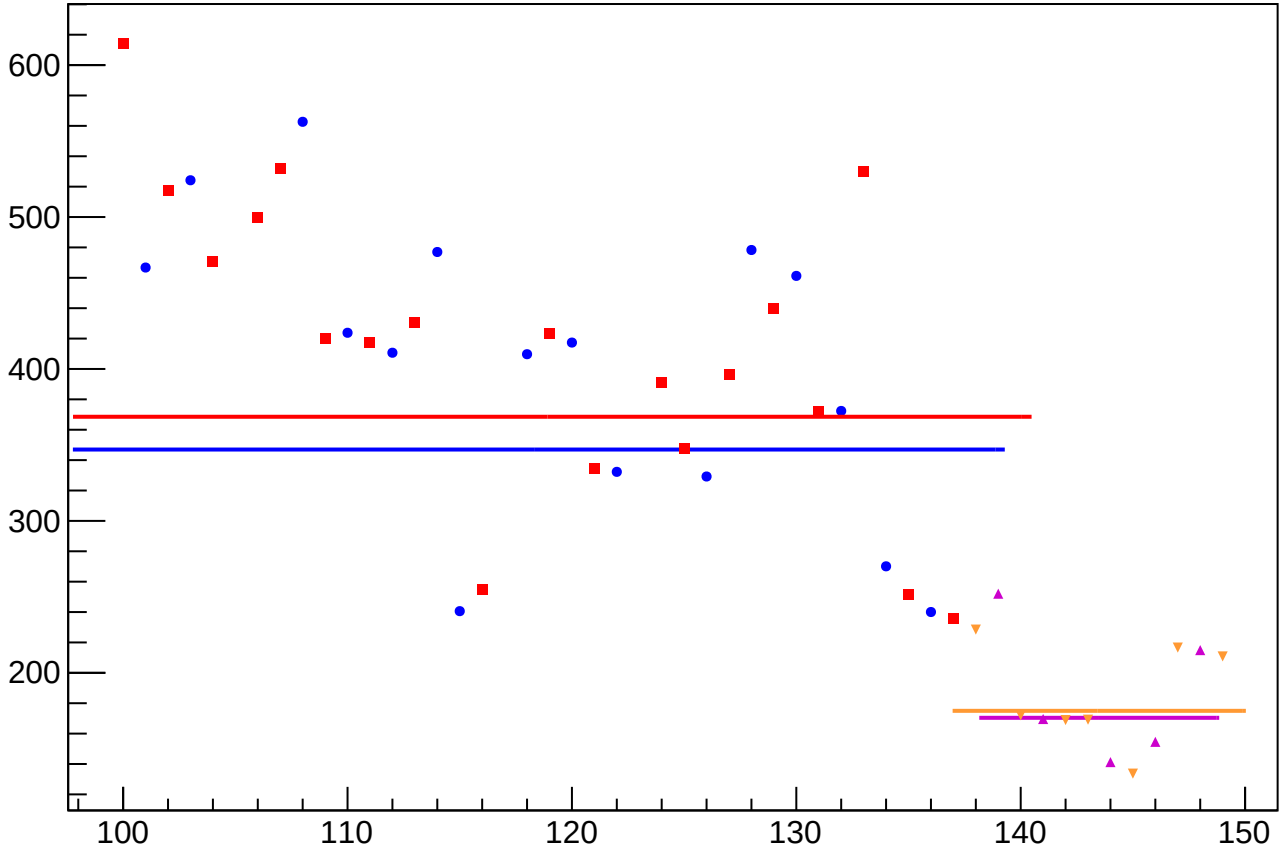
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 19.626+/-71.091 χ^2/NDF:25.6/20

Out: 91.015+/-67.711 χ^2/NDF:38.5/25

All: 57.057+/-49.030 χ^2/NDF: 64.7/46

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: 174.989+/-0.055 χ^2/NDF:348278.6/6

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: 172.873+/-0.040 χ^2/NDF: 693831.5/11

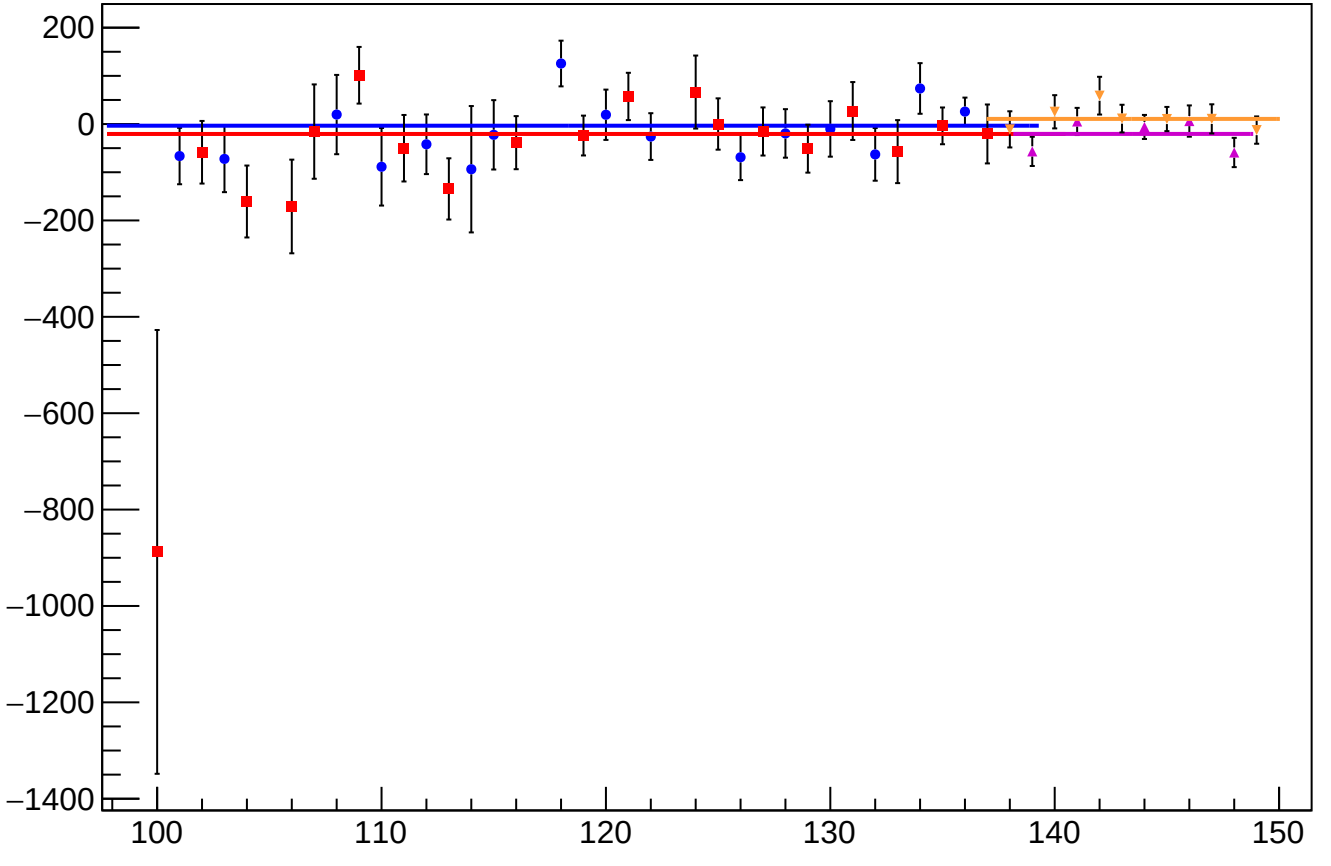
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.454+/-0.050 χ^2/NDF:3875954.4/20

Out: 220.147+/-0.048 χ^2/NDF:4171759.9/25

All: 219.817+/-0.035 χ^2/NDF: 8047813.9/46

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: 10.699+/-11.672 χ^2/NDF:2.7/6

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -20.470+/-12.925 χ^2/NDF:4.9/4

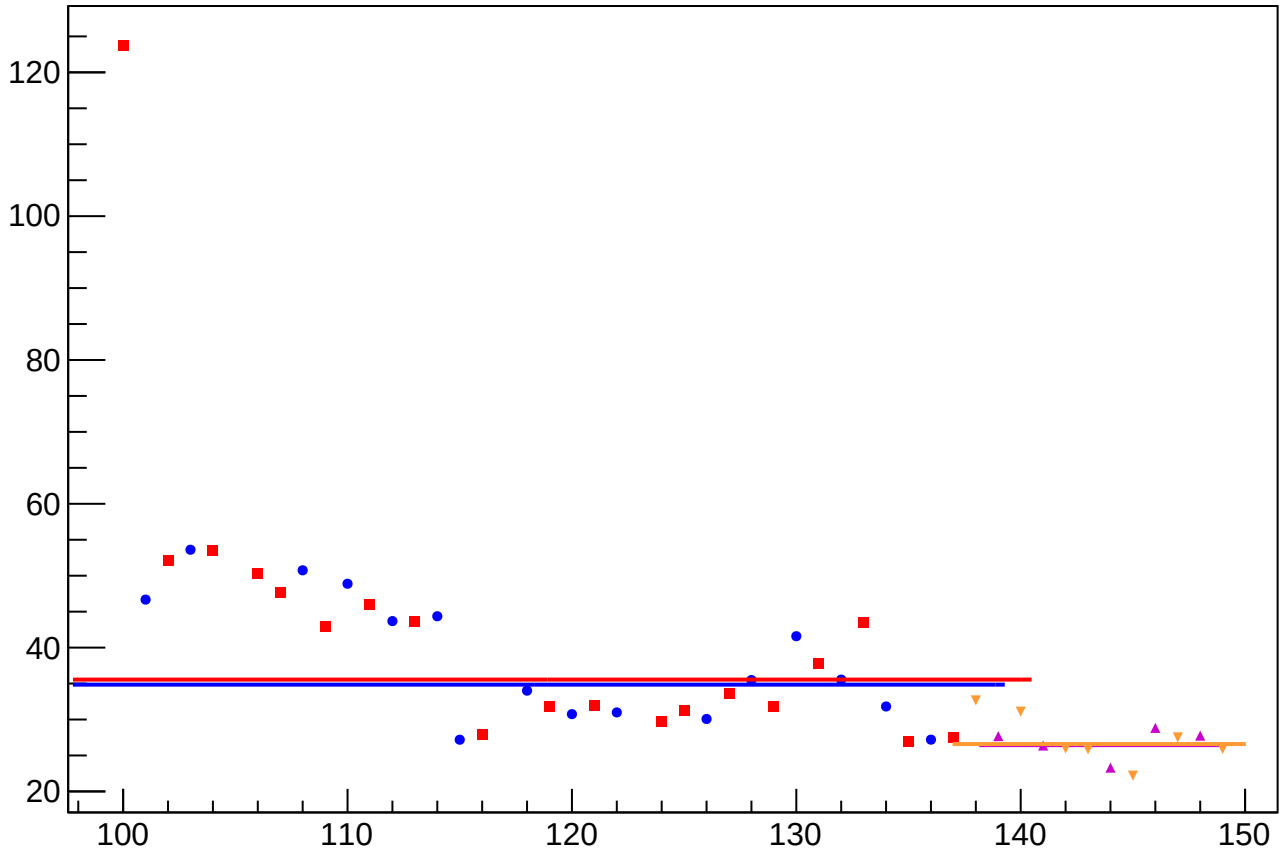
Left: -3.301+/-8.663 χ^2/NDF: 10.8/11

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.249+/-9.300 χ^2/NDF:24.2/20

Out: -2.705+/-8.822 χ^2/NDF:28.9/25

All: -7.225+/-6.401 χ^2/NDF: 53.7/46



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.587+/-0.008 χ^2/NDF:152640.9/6

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: 26.519+/-0.006 χ^2/NDF: 202349.8/11

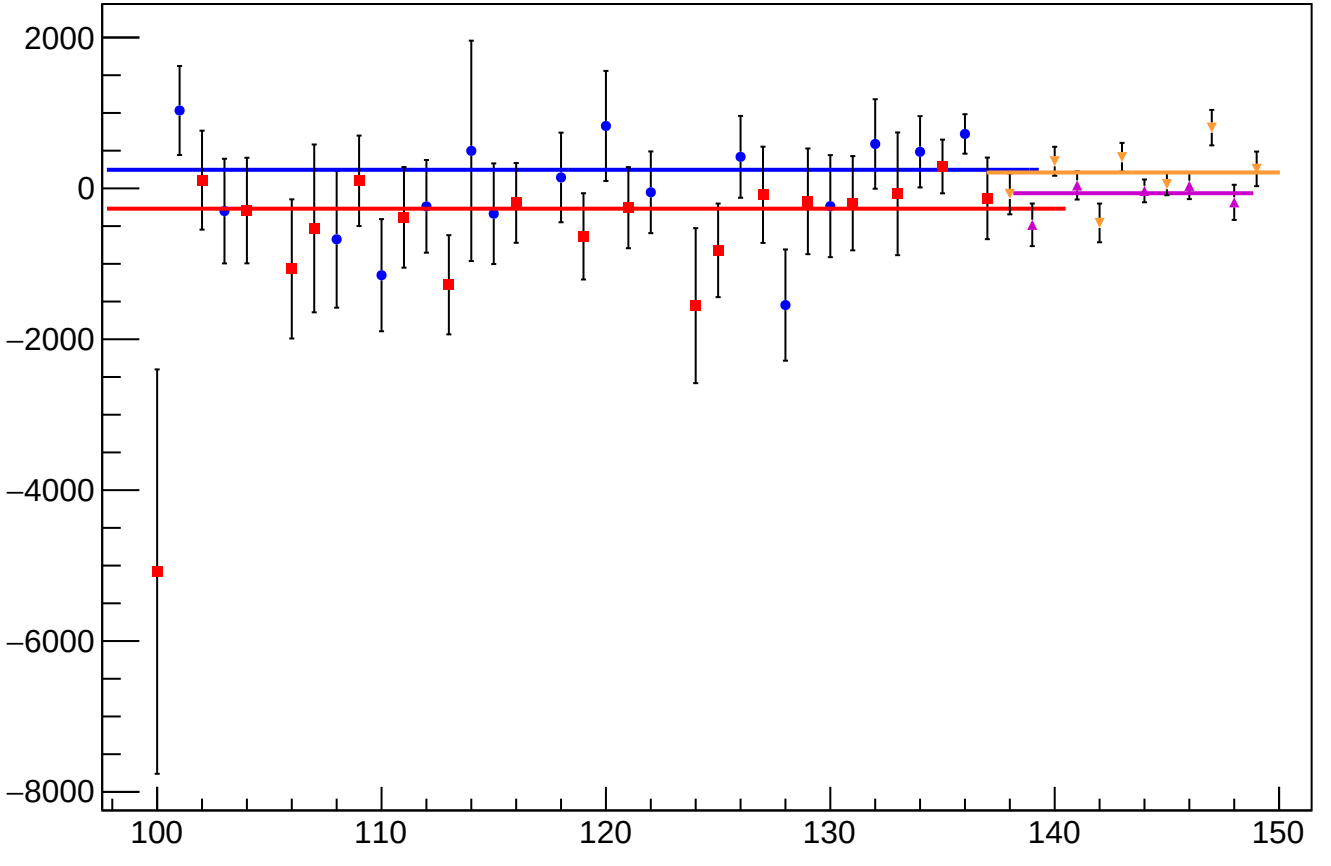
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 30.494+/-0.007 χ^2/NDF:1116506.3/20

Out: 30.430+/-0.006 χ^2/NDF:1438395.0/25

All: 30.460+/-0.005 χ^2/NDF: 2554949.9/46

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 211.111+/-77.265 χ^2/NDF:17.2/6

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: 87.924+/-57.424 χ^2/NDF: 26.0/11

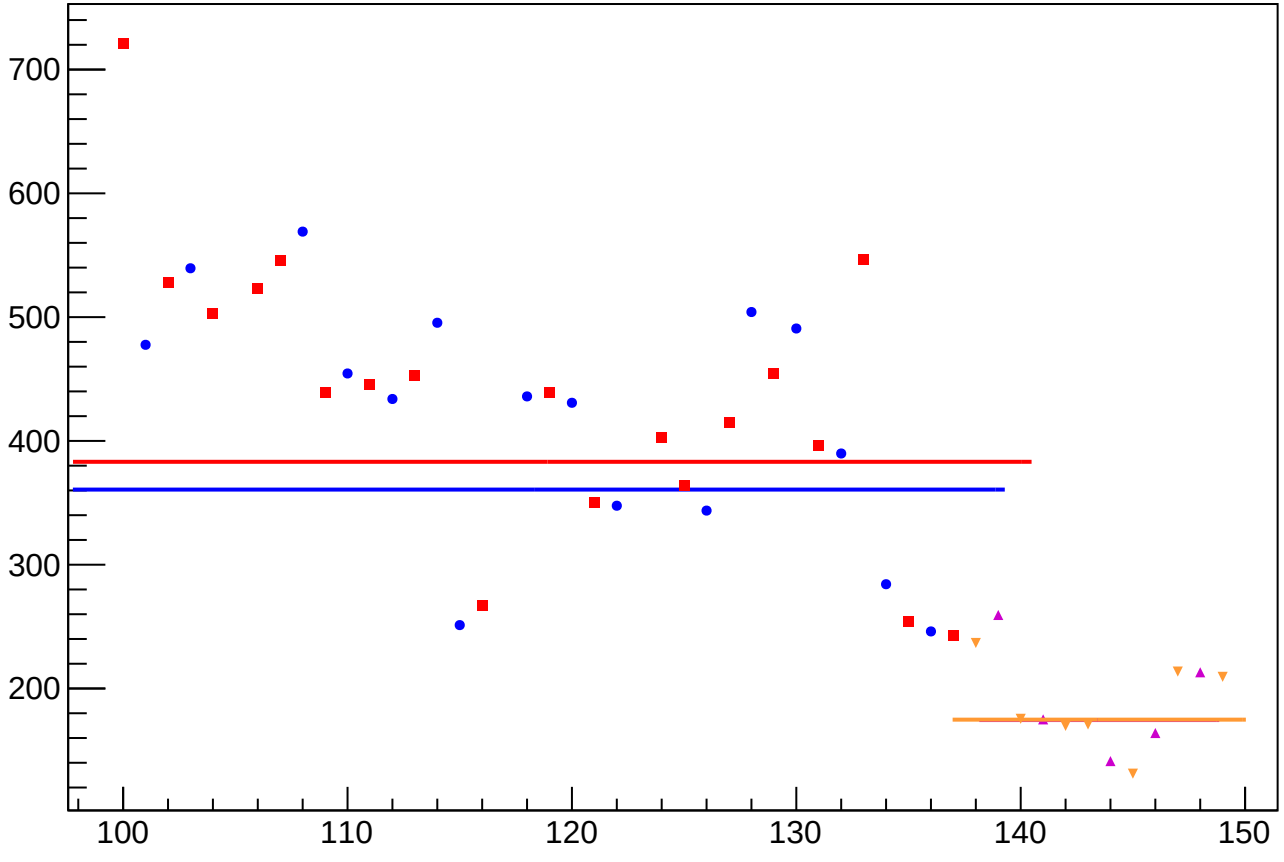
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 20.522+/-73.211 χ^2/NDF:26.5/20

Out: 105.291+/-68.219 χ^2/NDF:38.3/25

All: 65.895+/-49.910 χ^2/NDF: 65.5/46

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: 174.836+/-0.055 χ^2/NDF:384235.2/6

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 174.514+/-0.061 χ^2/NDF:339239.2/4

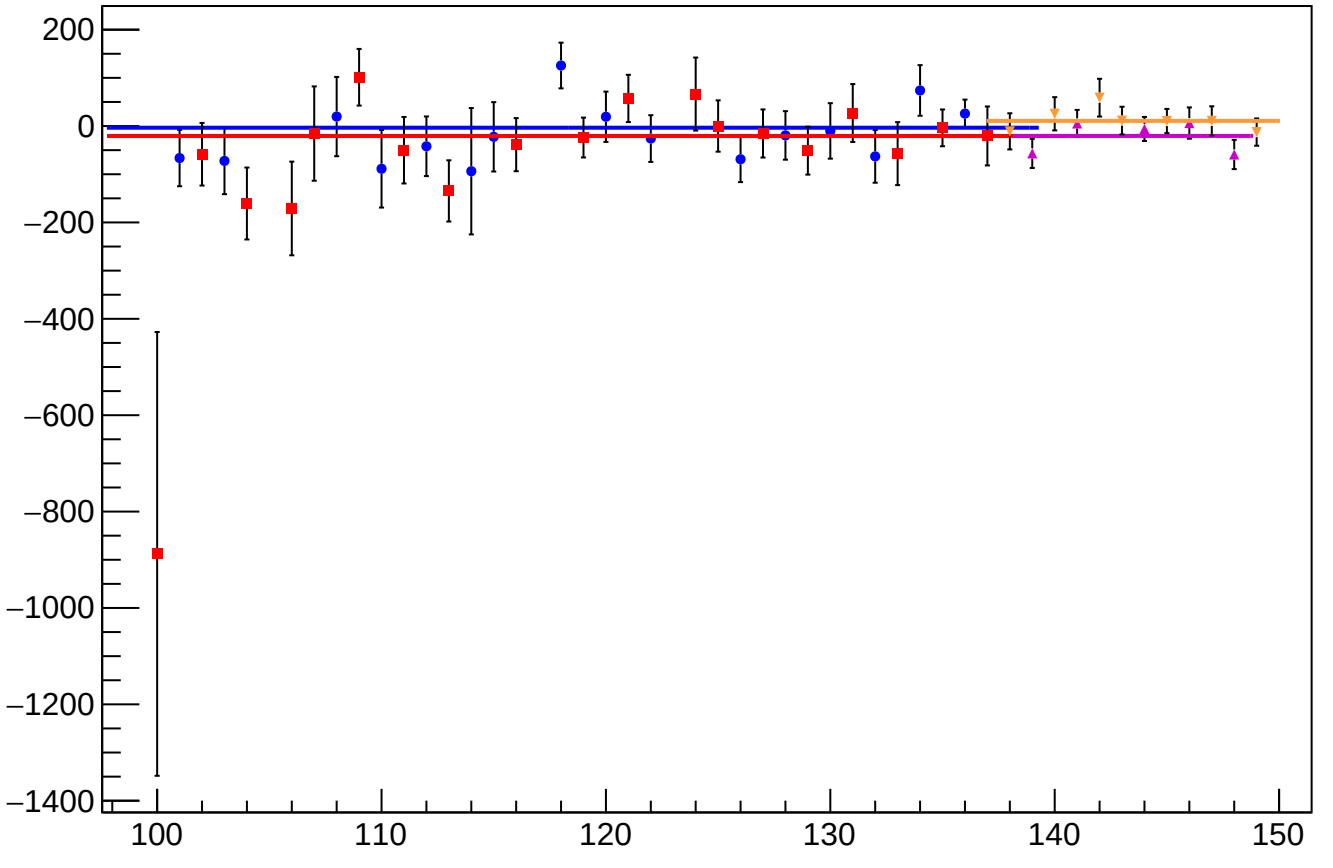
Left: 174.692+/-0.041 χ^2/NDF: 723489.9/11

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 225.227+/-0.052 χ^2/NDF:3995467.9/20

Out: 220.754+/-0.048 χ^2/NDF:4551666.6/25

All: 222.833+/-0.035 χ^2/NDF: 8551130.7/46



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 10.699+/-11.672 χ^2/NDF:2.7/6

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -20.470+/-12.925 χ^2/NDF:4.9/4

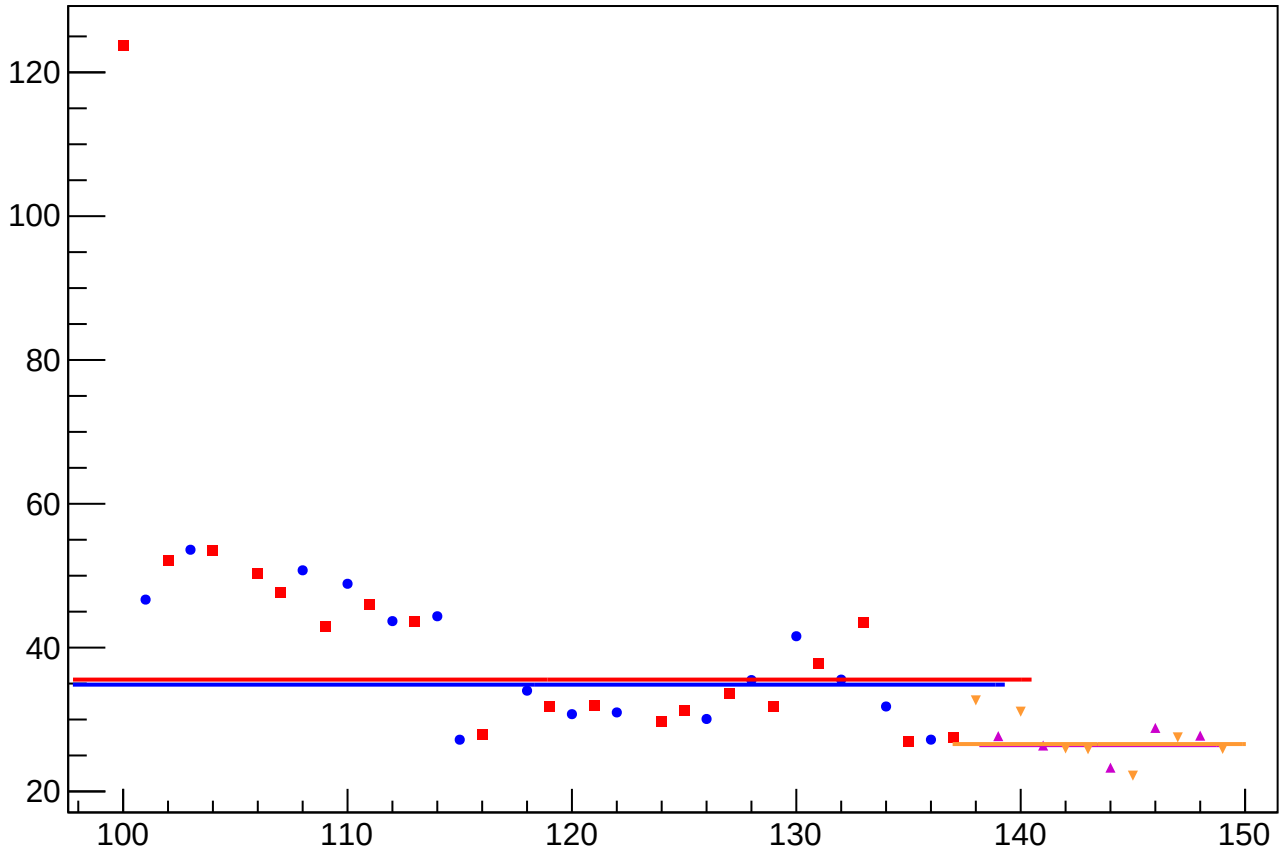
Left: -3.301+/-8.663 χ^2/NDF: 10.8/11

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.249+/-9.300 χ^2/NDF:24.2/20

Out: -2.705+/-8.822 χ^2/NDF:28.9/25

All: -7.225+/-6.401 χ^2/NDF: 53.7/46



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.587+/-0.008 χ^2/NDF:152623.9/6

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: 26.519+/-0.006 χ^2/NDF: 202328.6/11

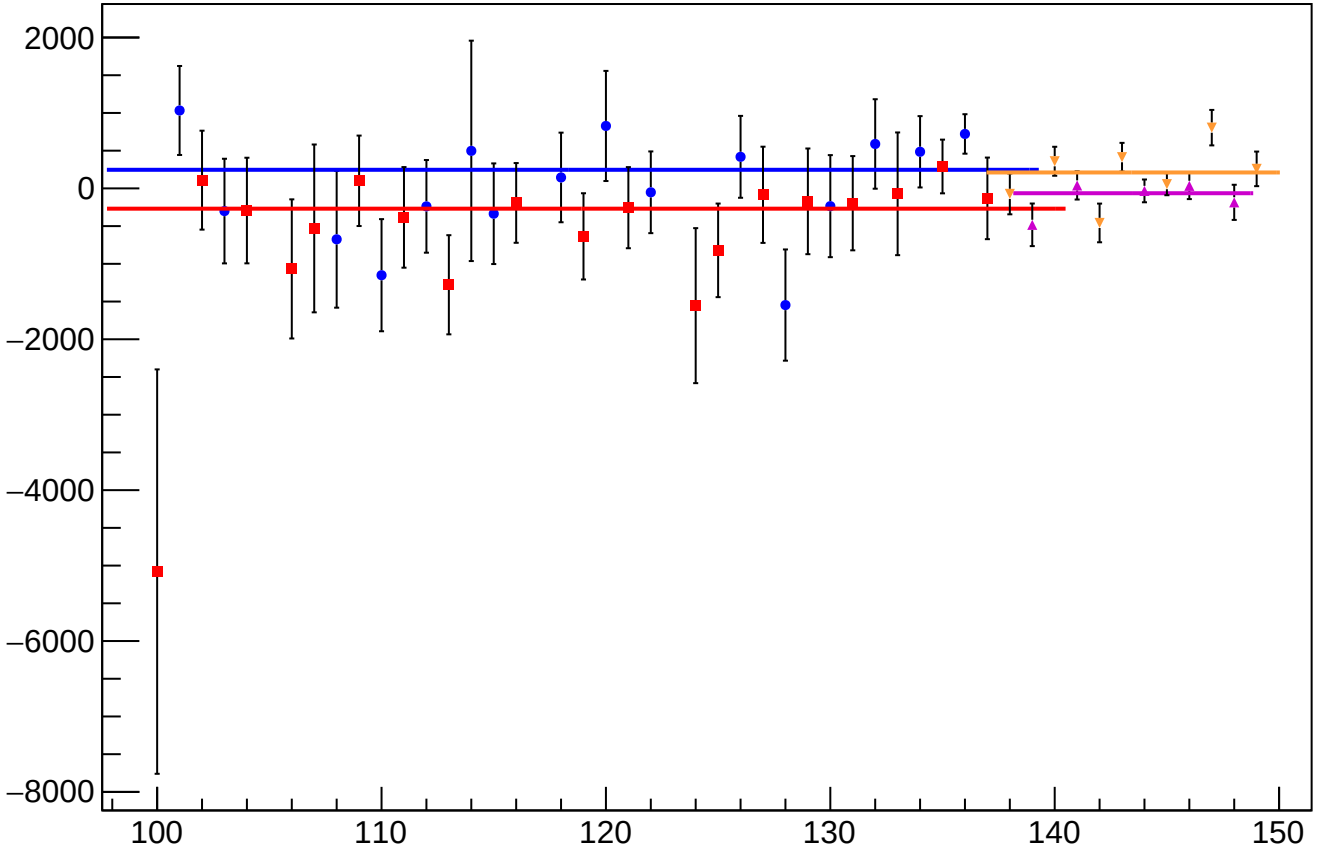
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 30.493+/-0.007 χ^2/NDF:1116411.9/20

Out: 30.430+/-0.006 χ^2/NDF:1438305.4/25

All: 30.460+/-0.005 χ^2/NDF: 2554765.8/46

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 211.111+/-77.265 χ^2/NDF:17.2/6

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: 87.924+/-57.424 χ^2/NDF: 26.0/11

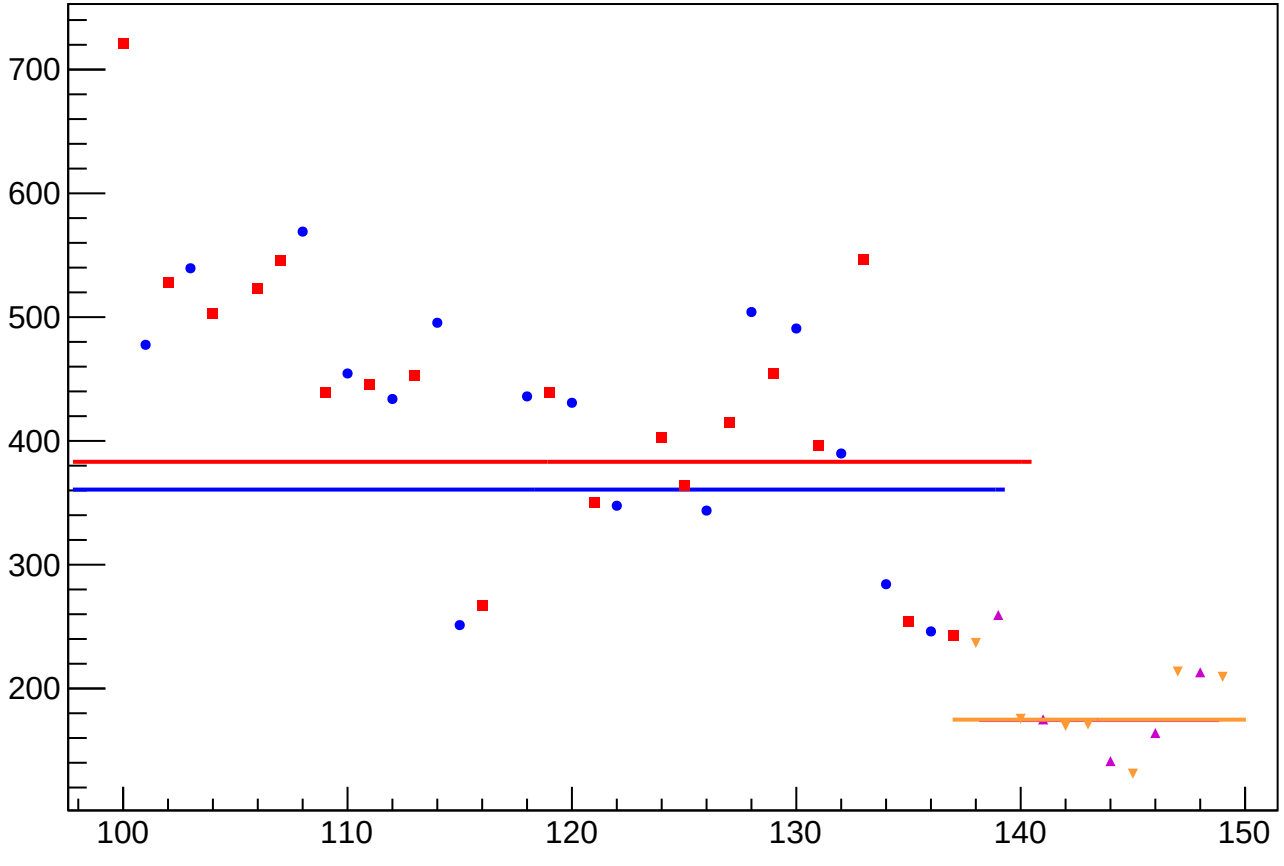
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 20.522+/-73.210 χ^2/NDF:26.5/20

Out: 105.291+/-68.219 χ^2/NDF:38.3/25

All: 65.894+/-49.909 χ^2/NDF: 65.5/46

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: 174.835+/-0.055 χ^2/NDF:384241.6/6

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 174.514+/-0.061 χ^2/NDF:339236.5/4

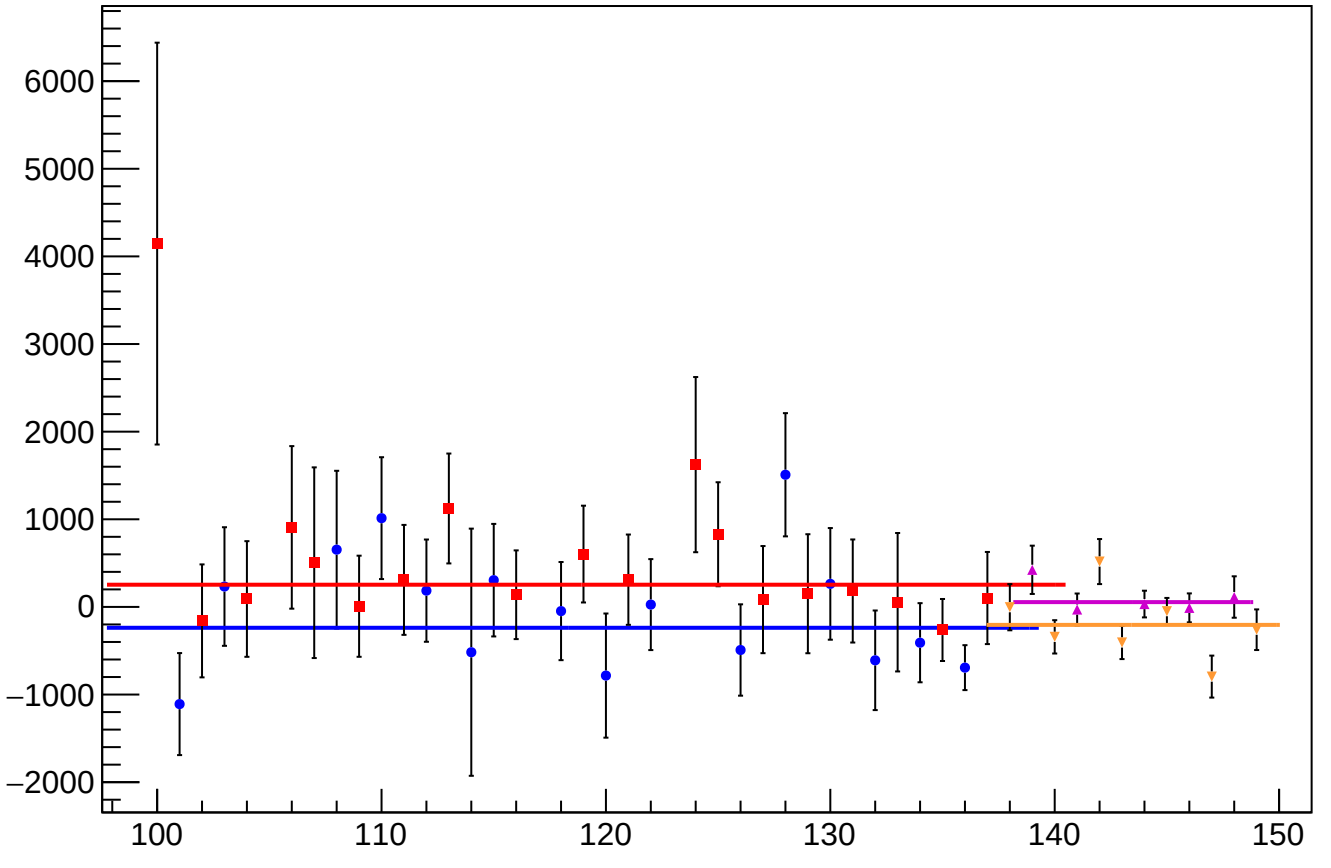
Left: 174.691+/-0.041 χ^2/NDF: 723493.6/11

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 225.226+/-0.052 χ^2/NDF:3995458.7/20

Out: 220.753+/-0.048 χ^2/NDF:4551679.8/25

All: 222.832+/-0.035 χ^2/NDF: 8551135.0/46



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -205.039+/-77.883 χ^2/NDF:17.3/6

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: -85.320+/-57.198 χ^2/NDF: 24.7/11

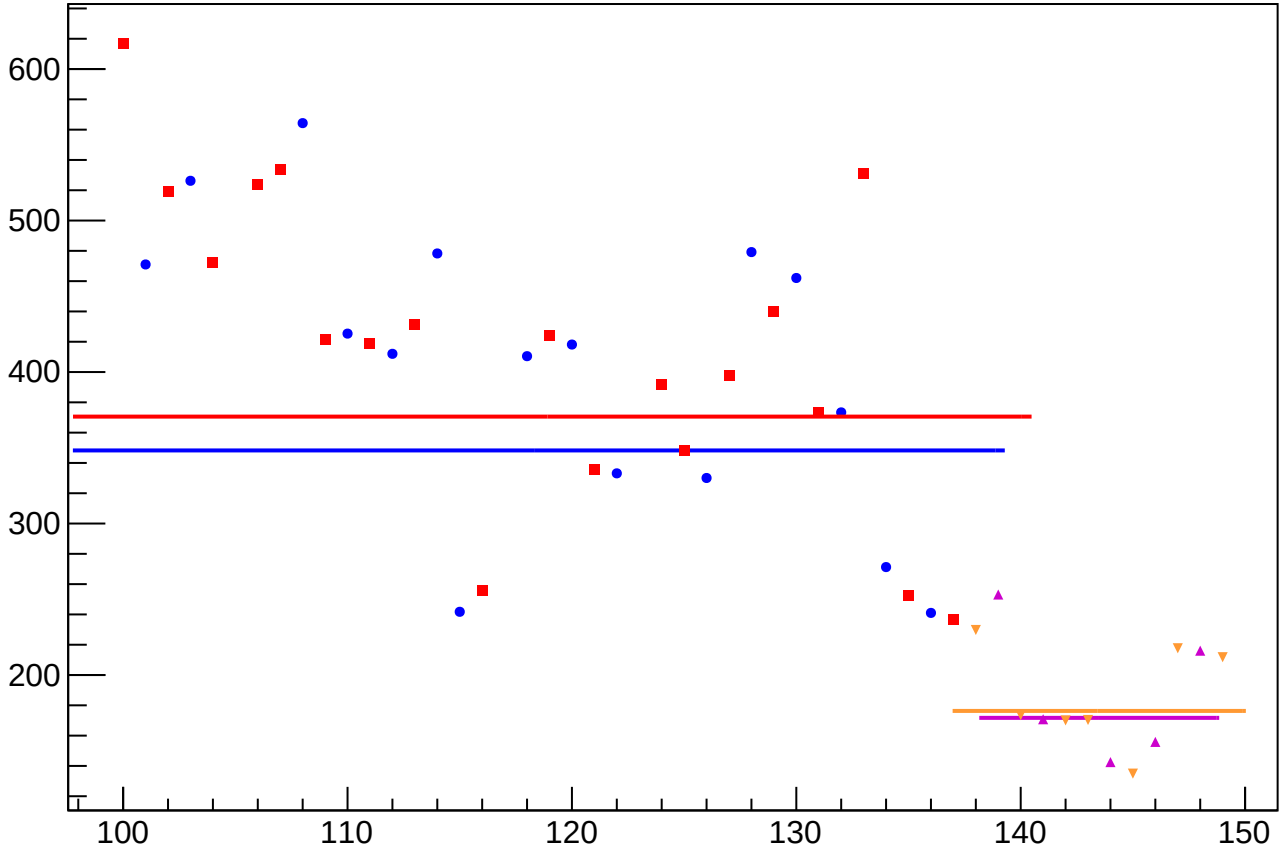
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -26.974+/-71.541 χ^2/NDF:25.6/20

Out: -97.170+/-68.108 χ^2/NDF:37.2/25

All: -63.797+/-49.329 χ^2/NDF: 63.2/46

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 176.307+/-0.055 χ^2/NDF:342183.9/6

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 171.728+/-0.060 χ^2/NDF:337023.2/4

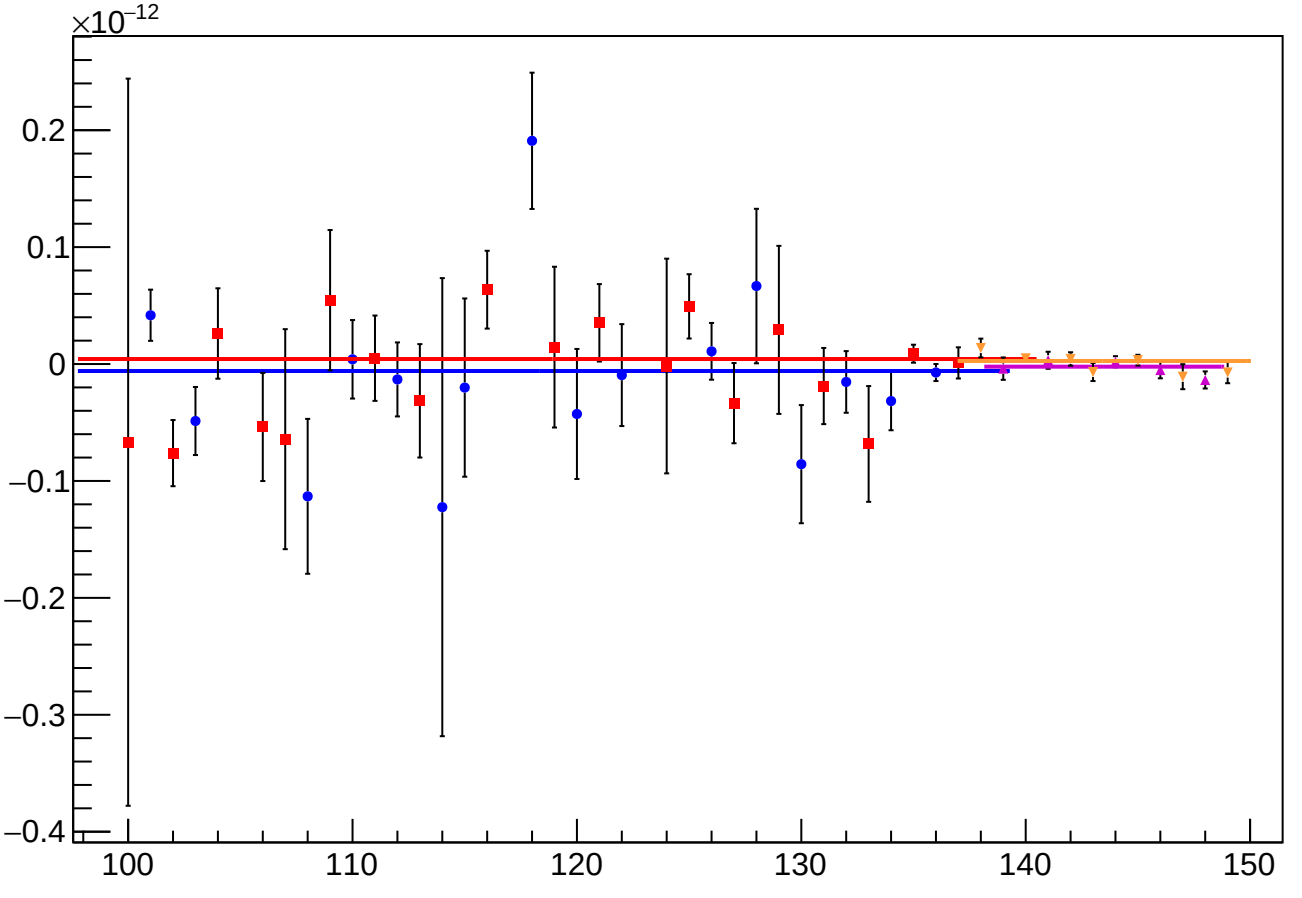
Left: 174.197+/-0.040 χ^2/NDF: 682391.3/11

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 221.046+/-0.051 χ^2/NDF:3845371.5/20

Out: 222.015+/-0.048 χ^2/NDF:4188067.2/25

All: 221.554+/-0.035 χ^2/NDF: 8033631.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/6

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: 12.2/11

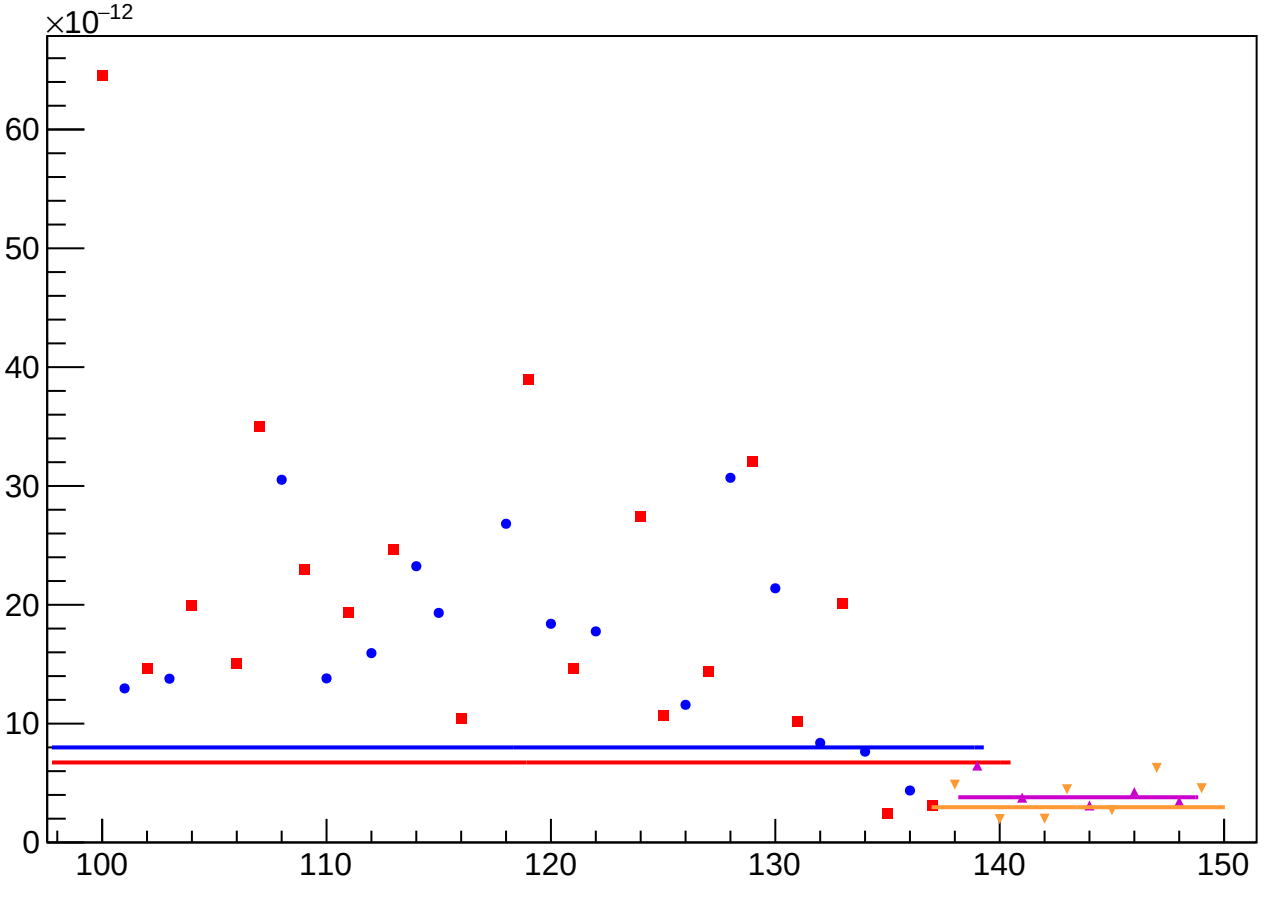
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:31.6/20

Out: 0.000+/-0.000 χ^2/NDF:29.6/25

All: 0.000+/-0.000 χ^2/NDF: 64.2/46

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:623482.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:209550.9/4

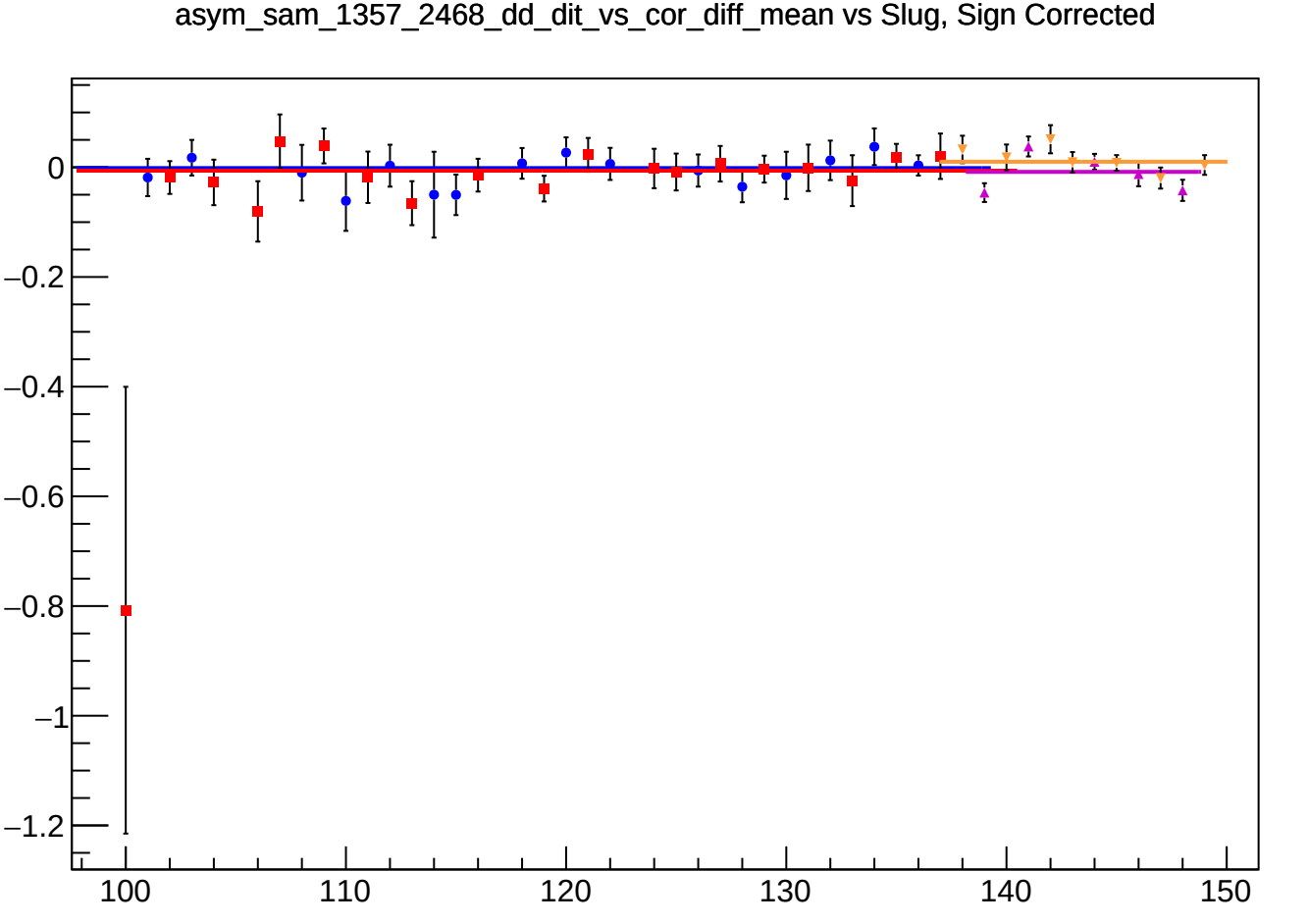
Left: 0.000+/-0.000 χ^2/NDF: 931920.6/11

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3011571.7/20

Out: 0.000+/-0.000 χ^2/NDF:4787522.7/25

All: 0.000+/-0.000 χ^2/NDF: 8050004.3/46



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.010+/-0.007 χ^2/NDF:6.0/6

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: 0.002+/-0.005 χ^2/NDF: 25.0/11

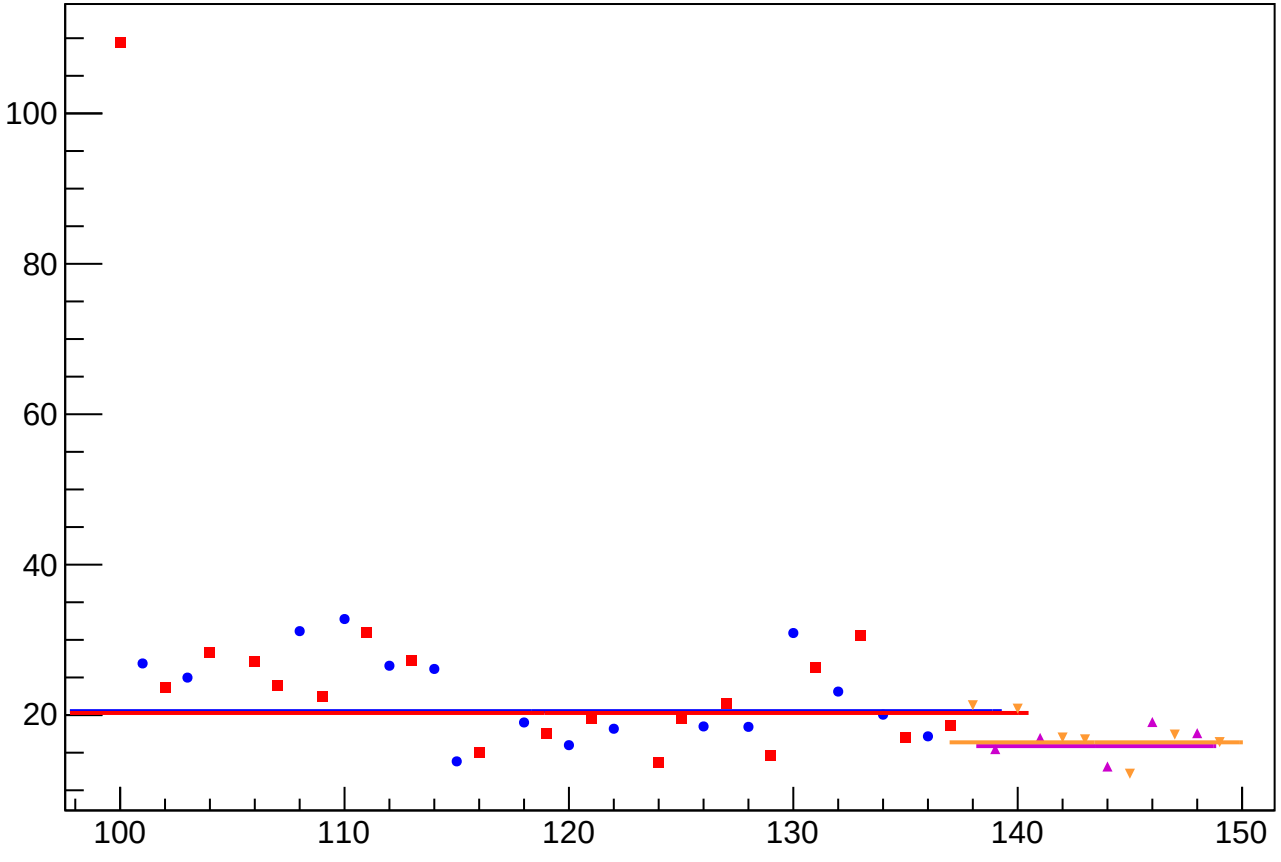
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.003+/-0.005 χ^2/NDF:24.5/25

All: -0.001+/-0.004 χ^2/NDF: 50.2/46

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: 16.376+/-0.005 χ^2/NDF:332271.1/6

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

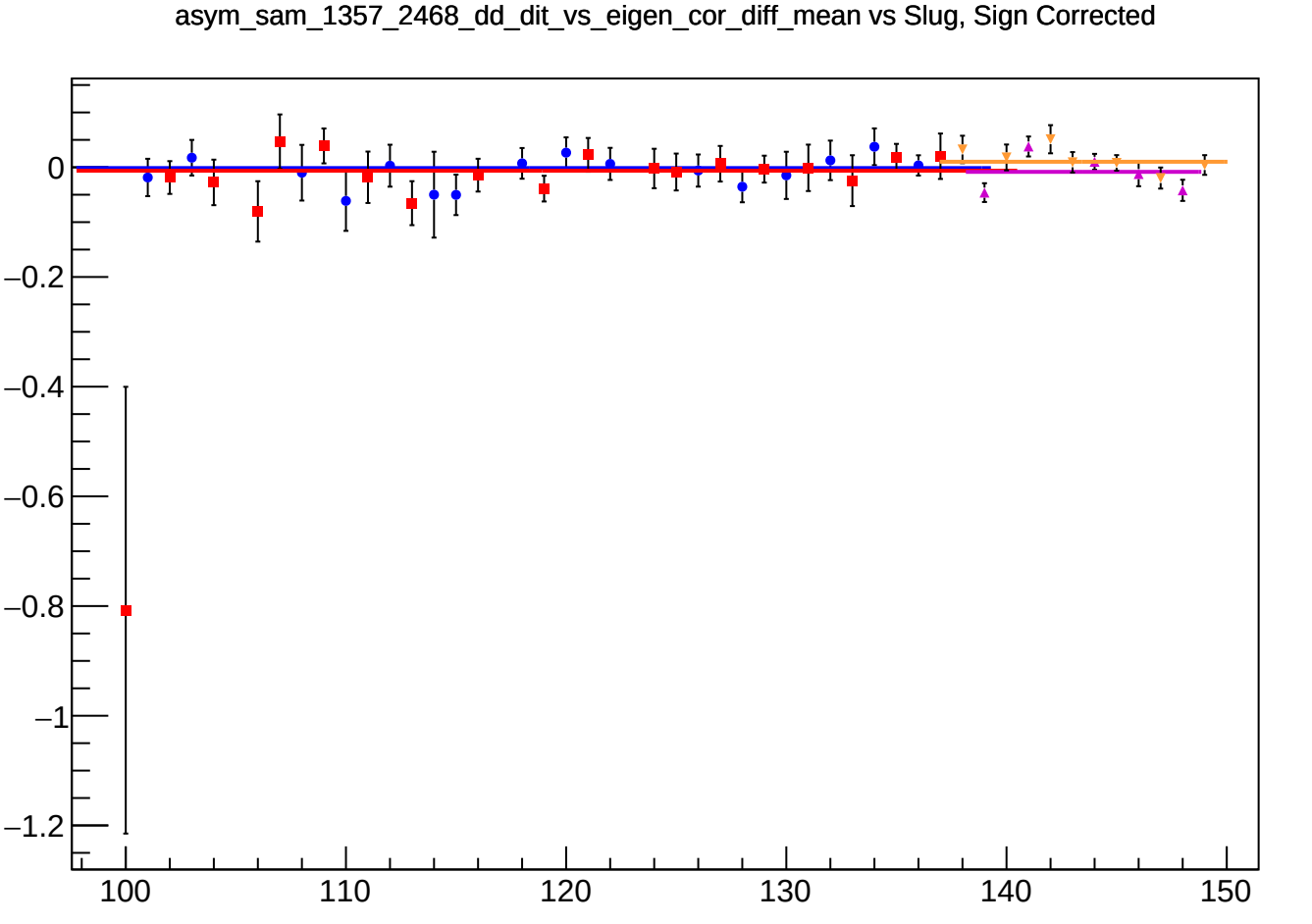
Left: 16.144+/-0.004 χ^2/NDF: 473231.0/11

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.156+/-0.004 χ^2/NDF:1181173.8/20

Out: 18.186+/-0.004 χ^2/NDF:1460000.3/25

All: 18.171+/-0.003 χ^2/NDF: 2641204.5/46



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.010+/-0.007 χ^2/NDF:6.0/6

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: 0.002+/-0.005 χ^2/NDF: 25.0/11

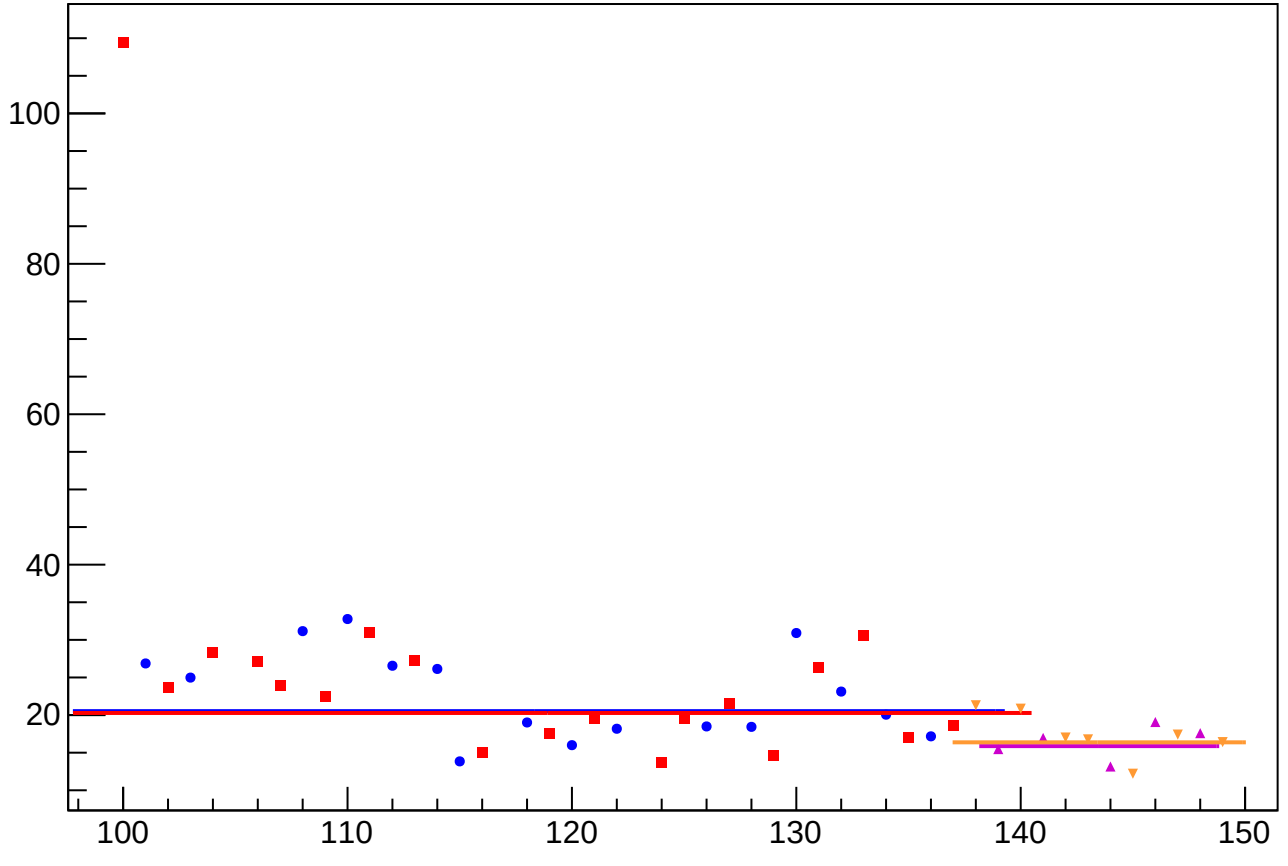
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.003+/-0.005 χ^2/NDF:24.5/25

All: -0.001+/-0.004 χ^2/NDF: 50.2/46

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: 16.376+/-0.005 χ^2/NDF:332271.1/6

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.874+/-0.006 χ^2/NDF:136621.4/4

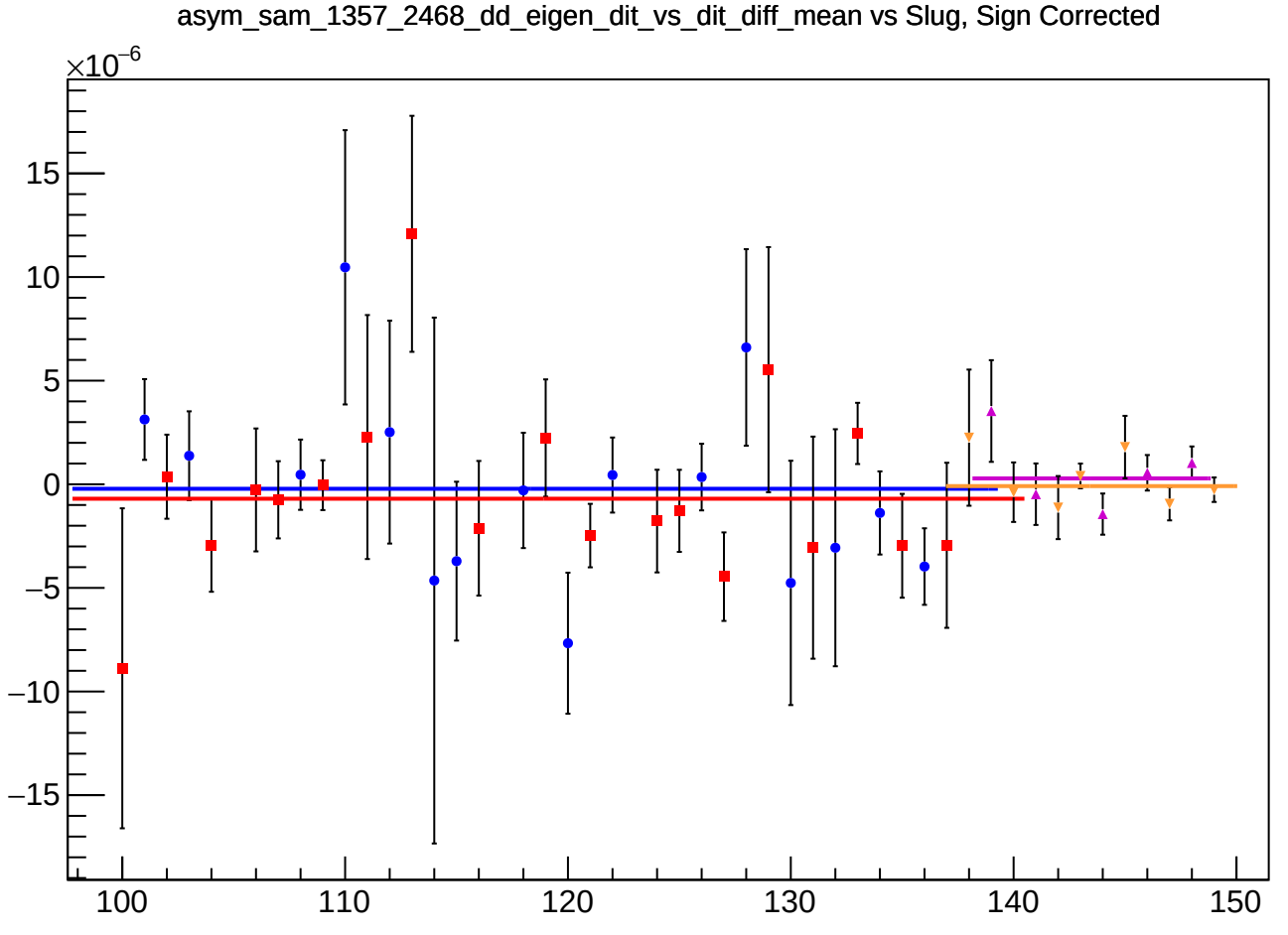
Left: 16.144+/-0.004 χ^2/NDF: 473231.0/11

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.156+/-0.004 χ^2/NDF:1181173.8/20

Out: 18.186+/-0.004 χ^2/NDF:1460000.3/25

All: 18.171+/-0.003 χ^2/NDF: 2641204.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/6

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: 10.9/11

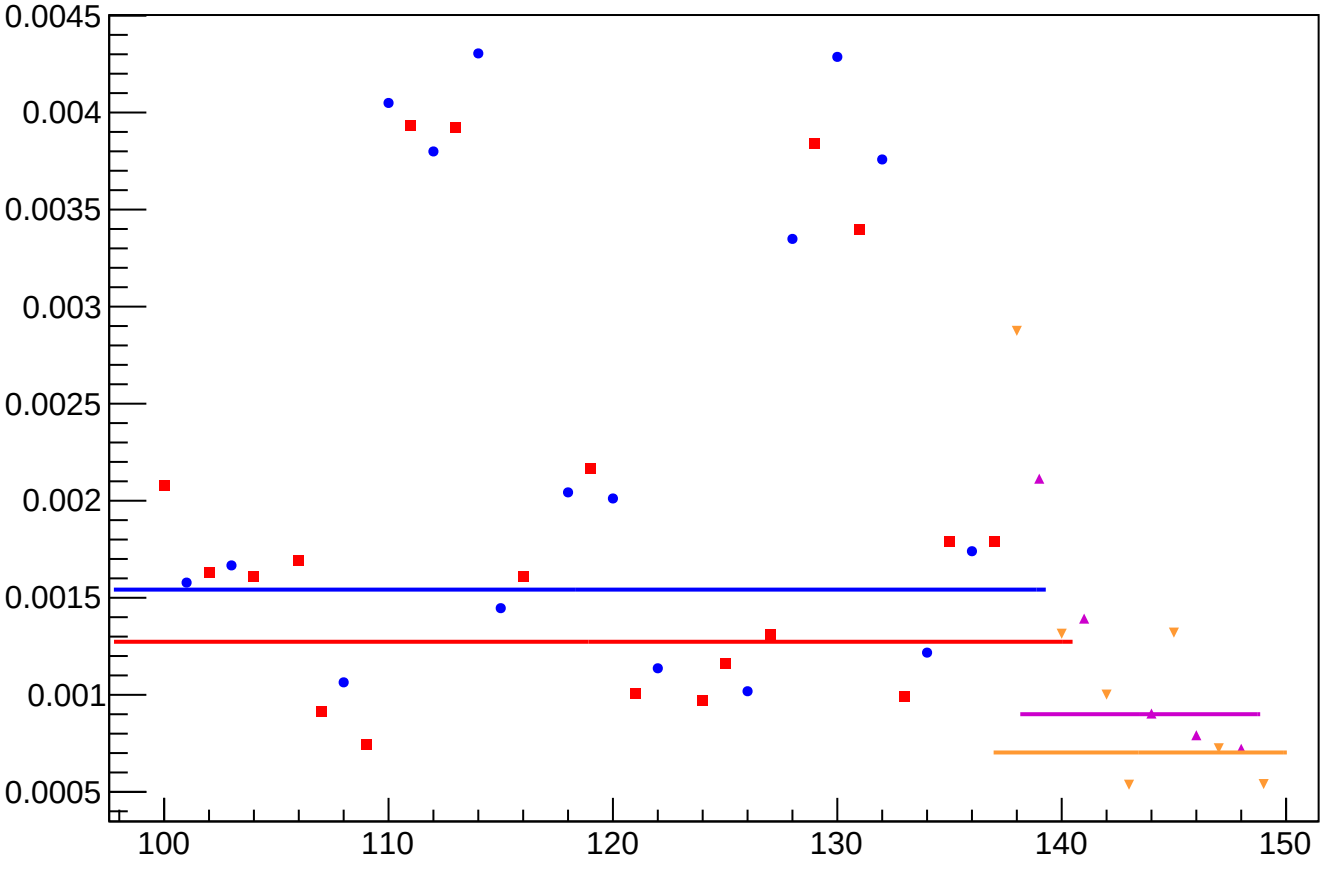
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:26.3/20

Out: -0.000+/-0.000 χ^2/NDF:26.4/25

All: -0.000+/-0.000 χ^2/NDF: 53.4/46

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1957371.1/6

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:841926.9/4

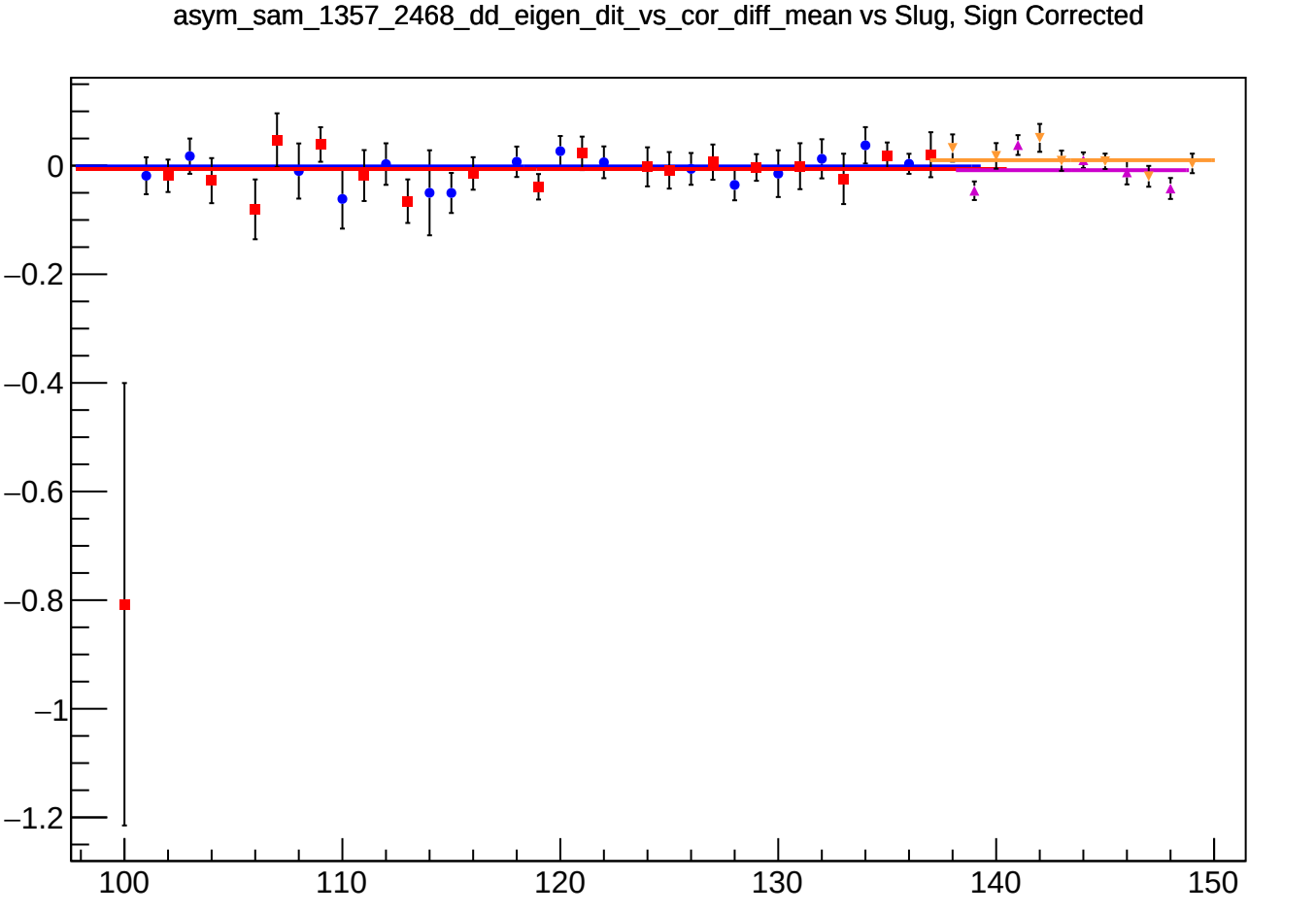
Left: 0.001+/-0.000 χ^2/NDF: 3032282.8/11

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:4595483.3/20

Out: 0.001+/-0.000 χ^2/NDF:6293134.4/25

All: 0.001+/-0.000 χ^2/NDF: 11479435.9/46



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.010+/-0.007 χ^2/NDF:6.0/6

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: 0.002+/-0.005 χ^2/NDF: 25.0/11

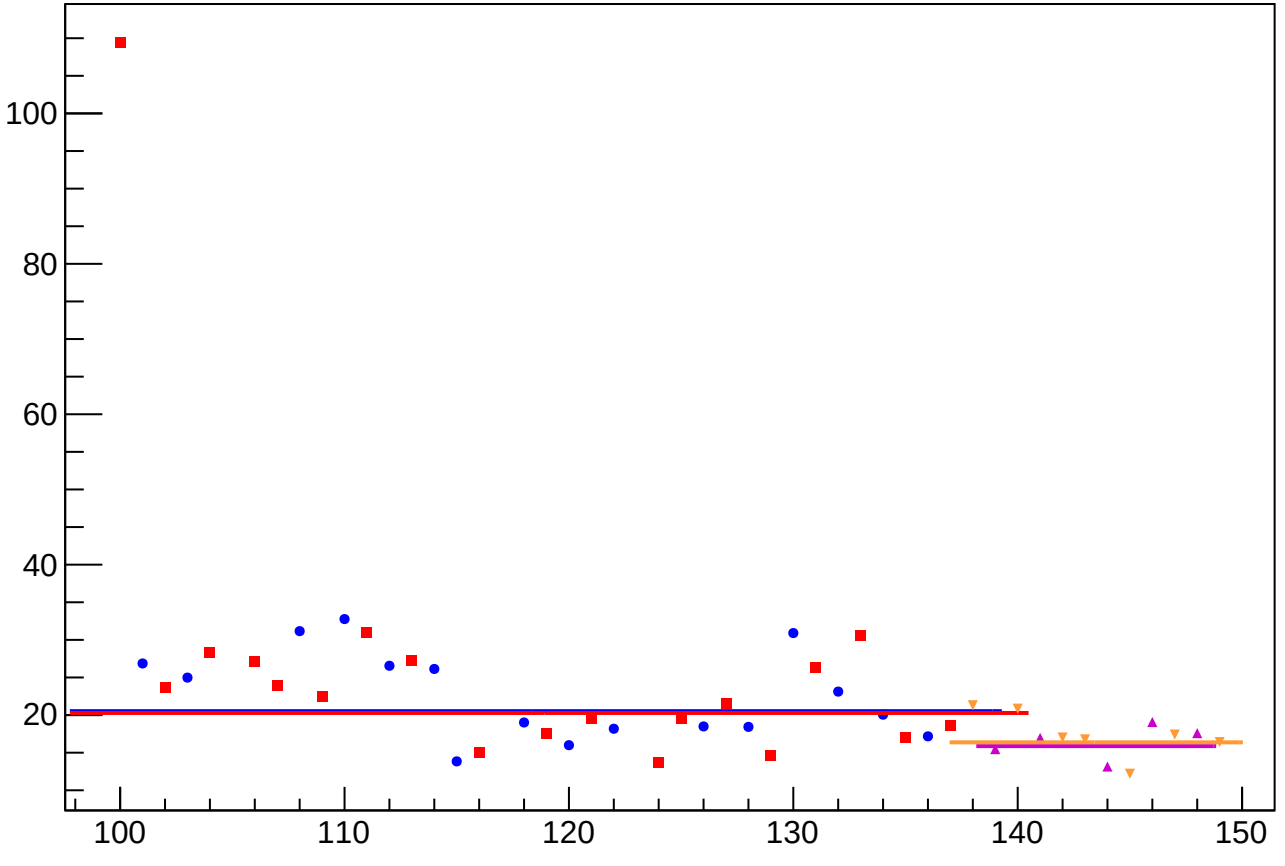
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.003+/-0.005 χ^2/NDF:24.5/25

All: -0.001+/-0.004 χ^2/NDF: 50.1/46

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: 16.376+/-0.005 χ^2/NDF:332200.4/6

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: 16.144+/-0.004 χ^2/NDF: 473163.1/11

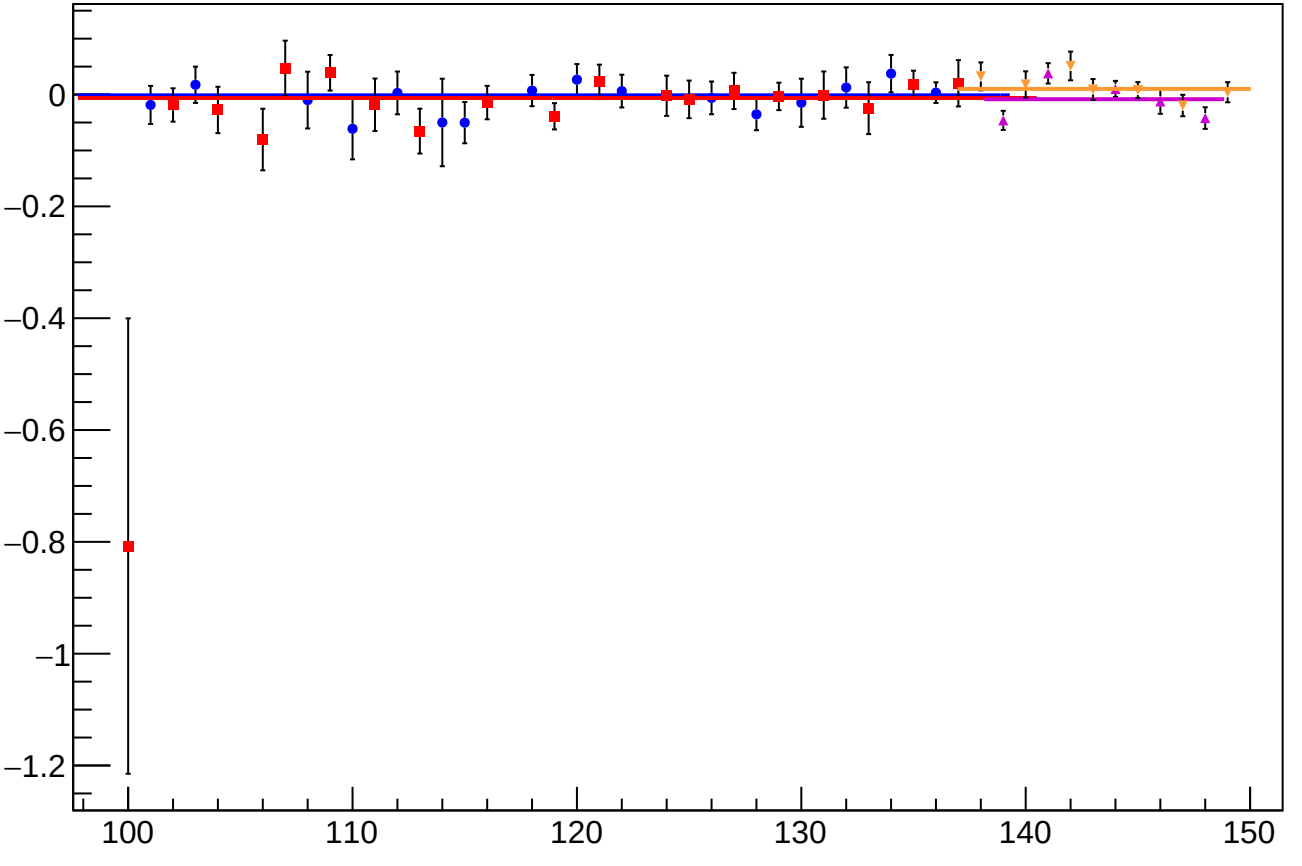
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.155+/-0.004 χ^2/NDF:1180990.5/20

Out: 18.186+/-0.004 χ^2/NDF:1459827.5/25

All: 18.171+/-0.003 χ^2/NDF: 2640848.6/46

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.010+/-0.007 χ^2/NDF:6.0/6

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: 0.002+/-0.005 χ^2/NDF: 25.0/11

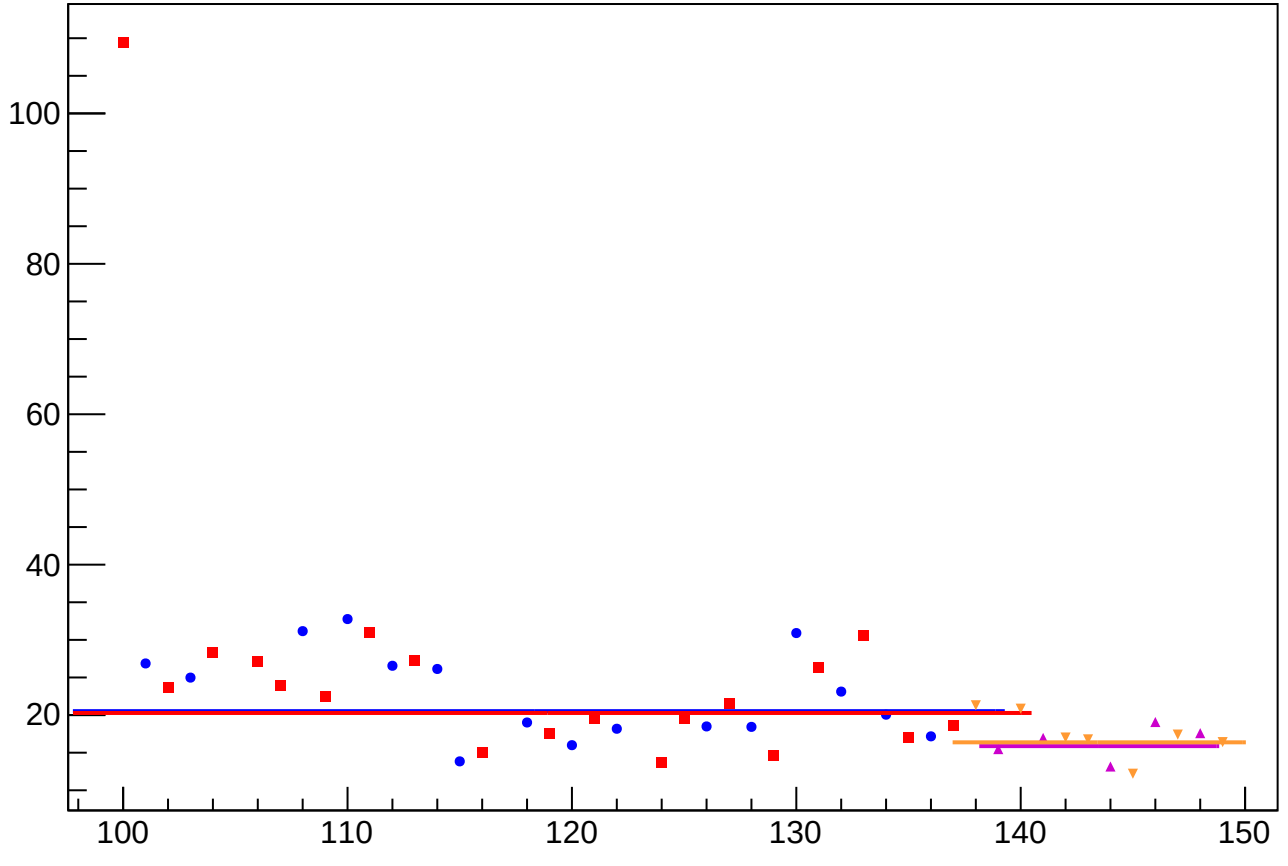
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.006 χ^2/NDF:24.7/20

Out: 0.003+/-0.005 χ^2/NDF:24.5/25

All: -0.001+/-0.004 χ^2/NDF: 50.1/46

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: 16.376+/-0.005 χ^2/NDF:332200.4/6

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: 16.144+/-0.004 χ^2/NDF: 473163.1/11

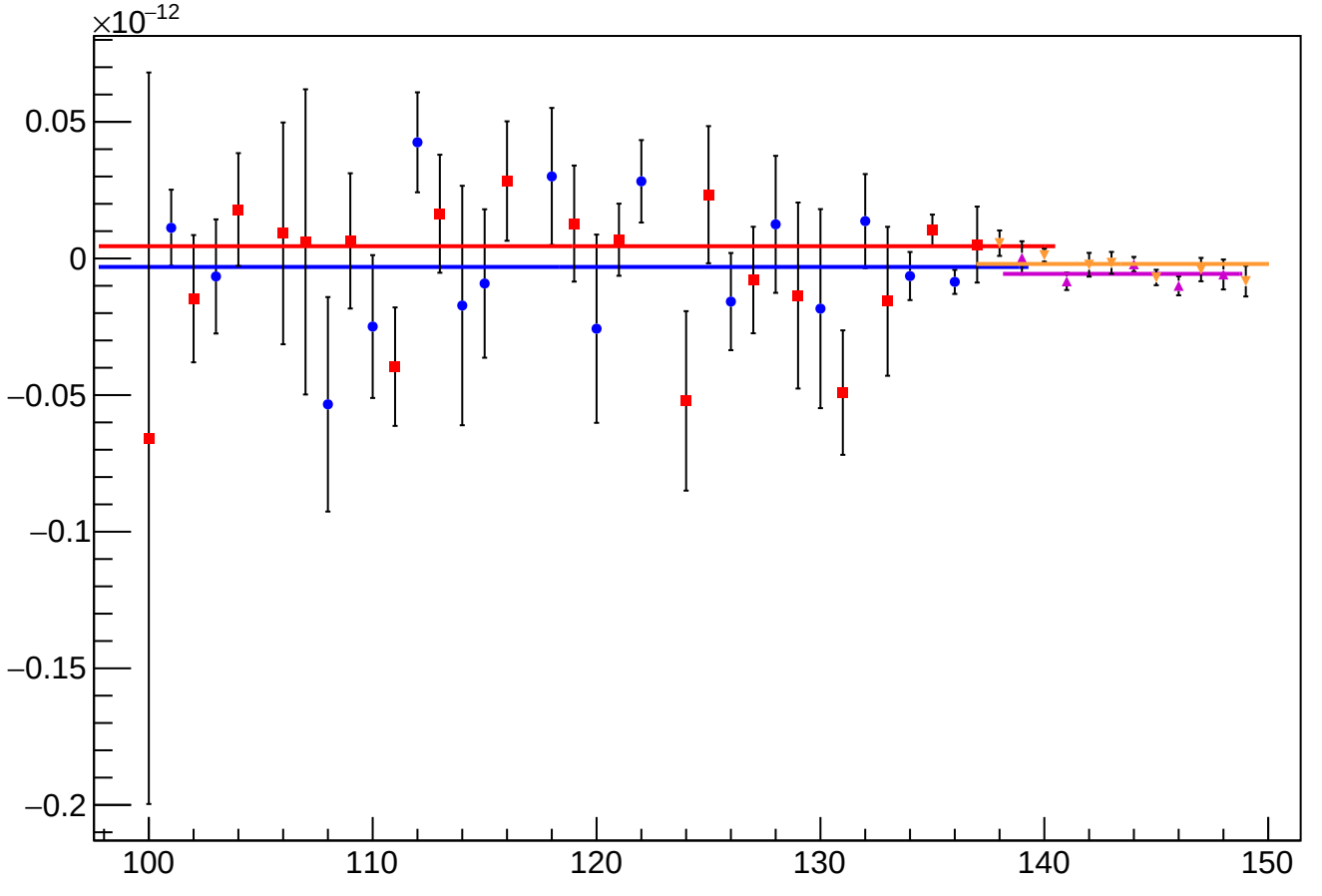
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.155+/-0.004 χ^2/NDF:1180990.5/20

Out: 18.186+/-0.004 χ^2/NDF:1459827.5/25

All: 18.171+/-0.003 χ^2/NDF: 2640848.6/46

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/4

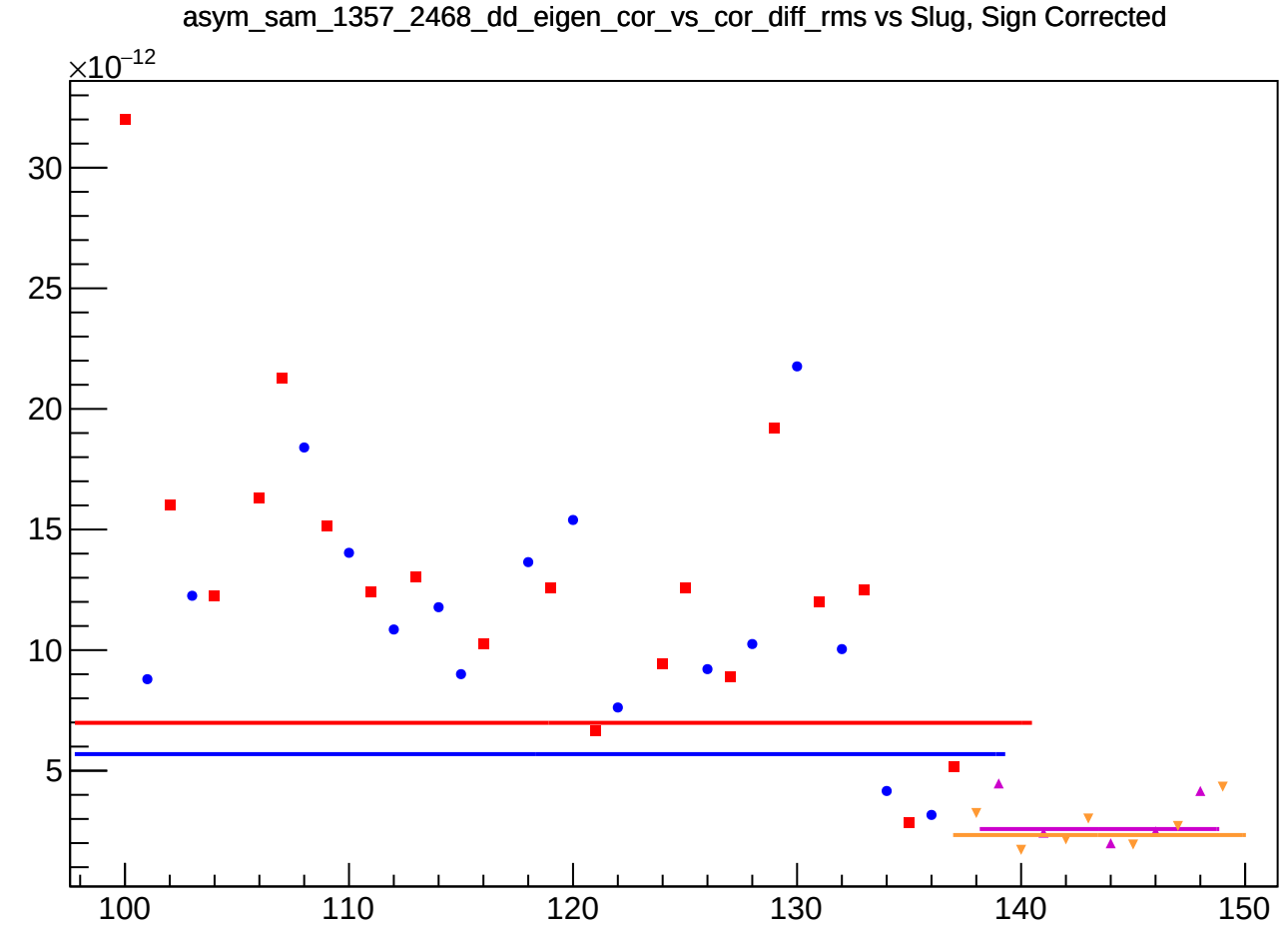
Left: -0.000+/-0.000 χ^2/NDF: 16.9/11

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:30.2/25

All: -0.000+/-0.000 χ^2/NDF: 59.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:581261.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:460977.3/4

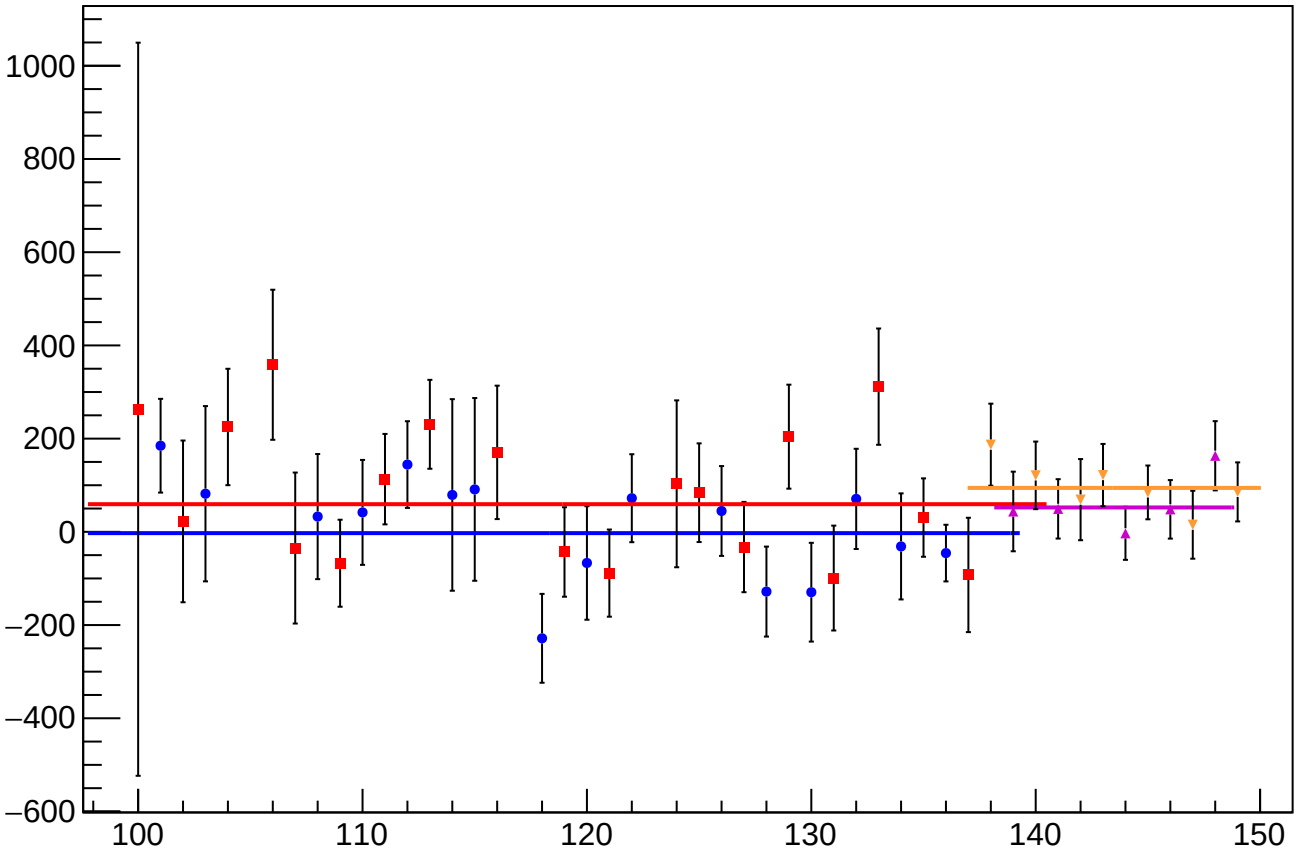
Left: 0.000+/-0.000 χ^2/NDF: 1069975.8/11

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:6272306.4/25

All: 0.000+/-0.000 χ^2/NDF: 10967049.9/46



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 94.278+/-26.602 χ^2/NDF:2.7/6

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 52.339+/-29.786 χ^2/NDF:3.2/4

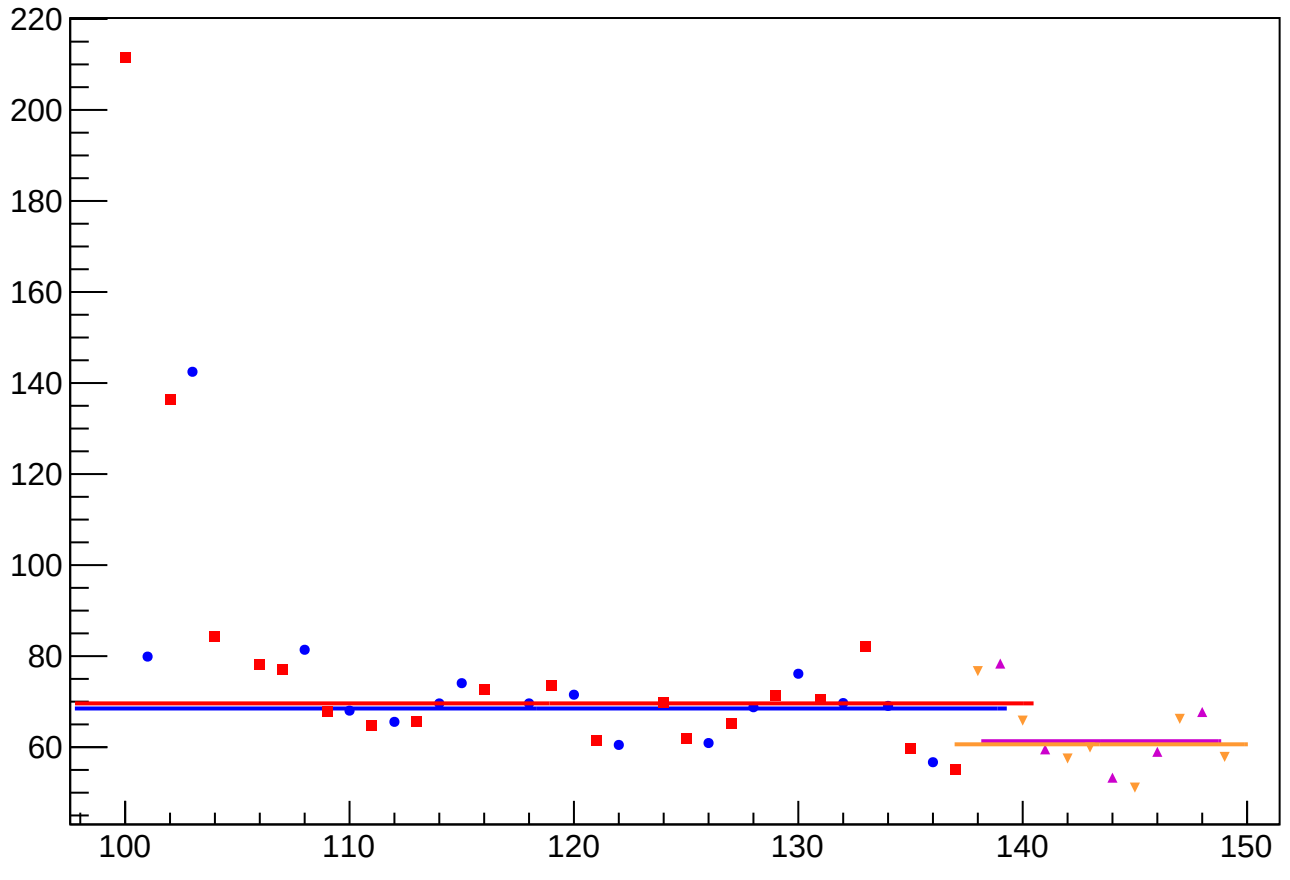
Left: 75.669+/-19.841 χ^2/NDF: 7.0/11

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 21.285+/-19.678 χ^2/NDF:22.8/20

Out: 76.668+/-18.733 χ^2/NDF:29.3/25

All: 50.339+/-13.568 χ^2/NDF: 56.3/46



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.629+/-0.019 χ^2/NDF:149817.7/6

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: 60.932+/-0.014 χ^2/NDF: 289045.3/11

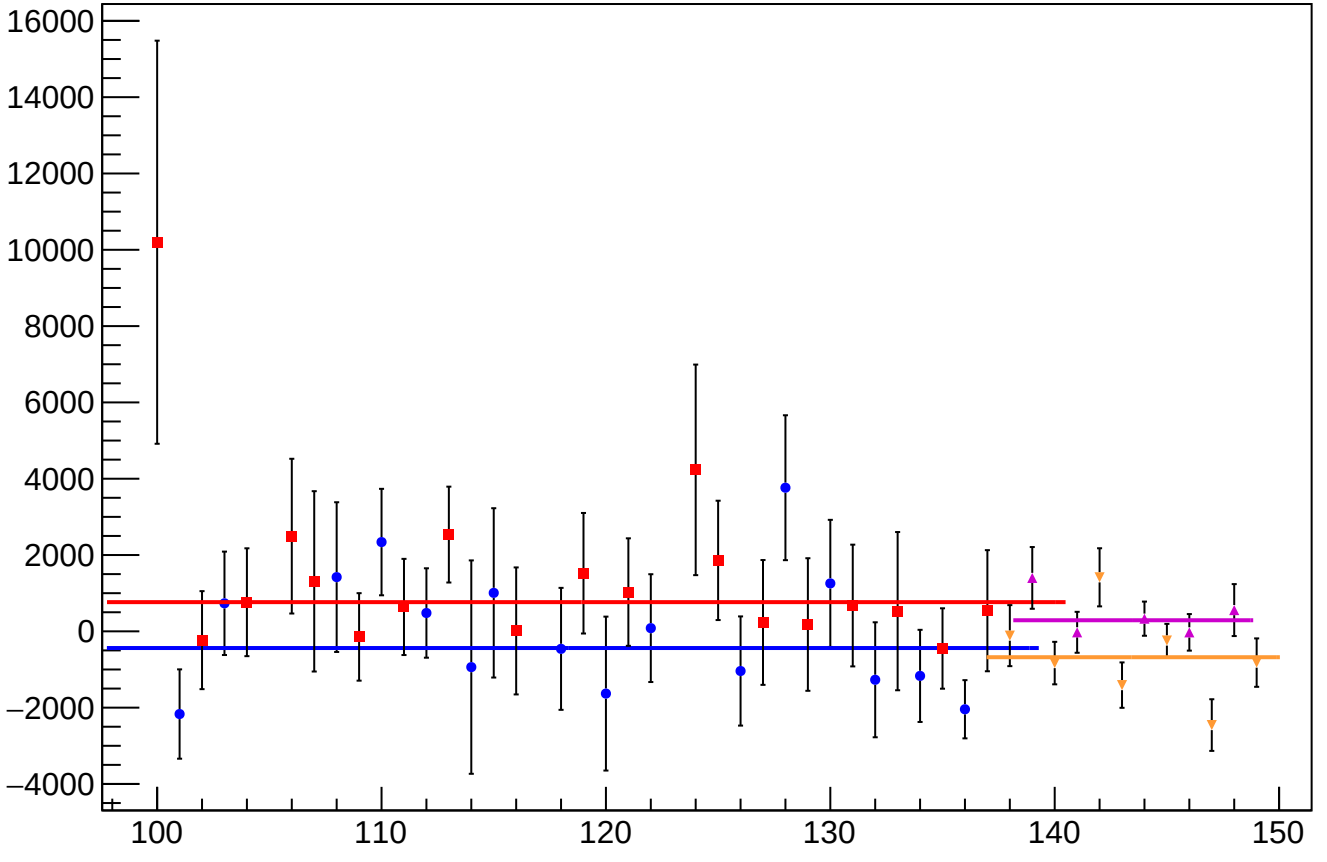
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 65.361+/-0.014 χ^2/NDF:676143.6/20

Out: 65.162+/-0.013 χ^2/NDF:785379.6/25

All: 65.257+/-0.010 χ^2/NDF: 1461631.0/46

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: -678.357+/-227.882 χ^2/NDF:17.6/6

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: -231.283+/-167.229 χ^2/NDF: 28.8/11

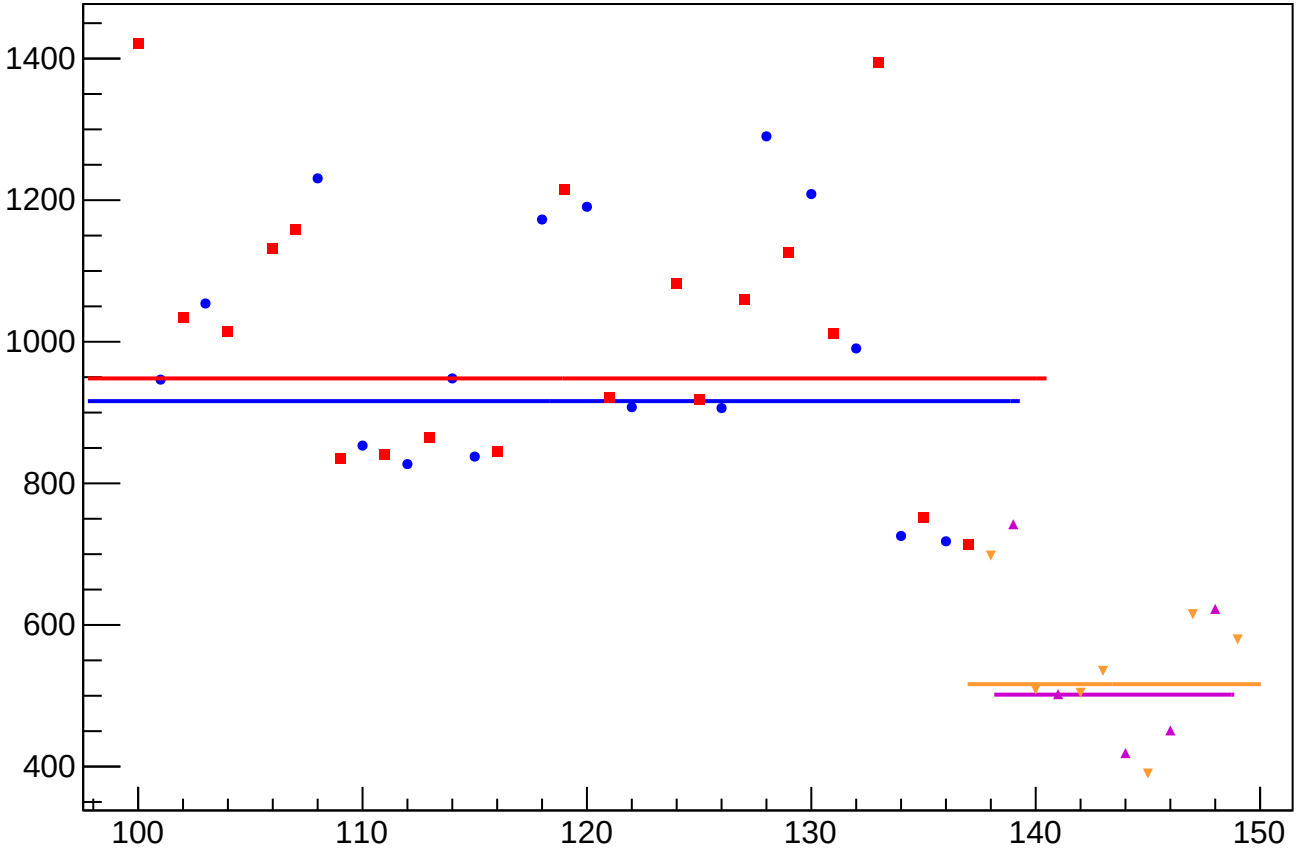
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 48.494+/-201.140 χ^2/NDF:26.3/20

Out: -253.773+/-191.462 χ^2/NDF:40.7/25

All: -110.086+/-138.679 χ^2/NDF: 68.2/46

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: 516.406+/-0.161 χ^2/NDF:336147.5/6

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330544.9/4

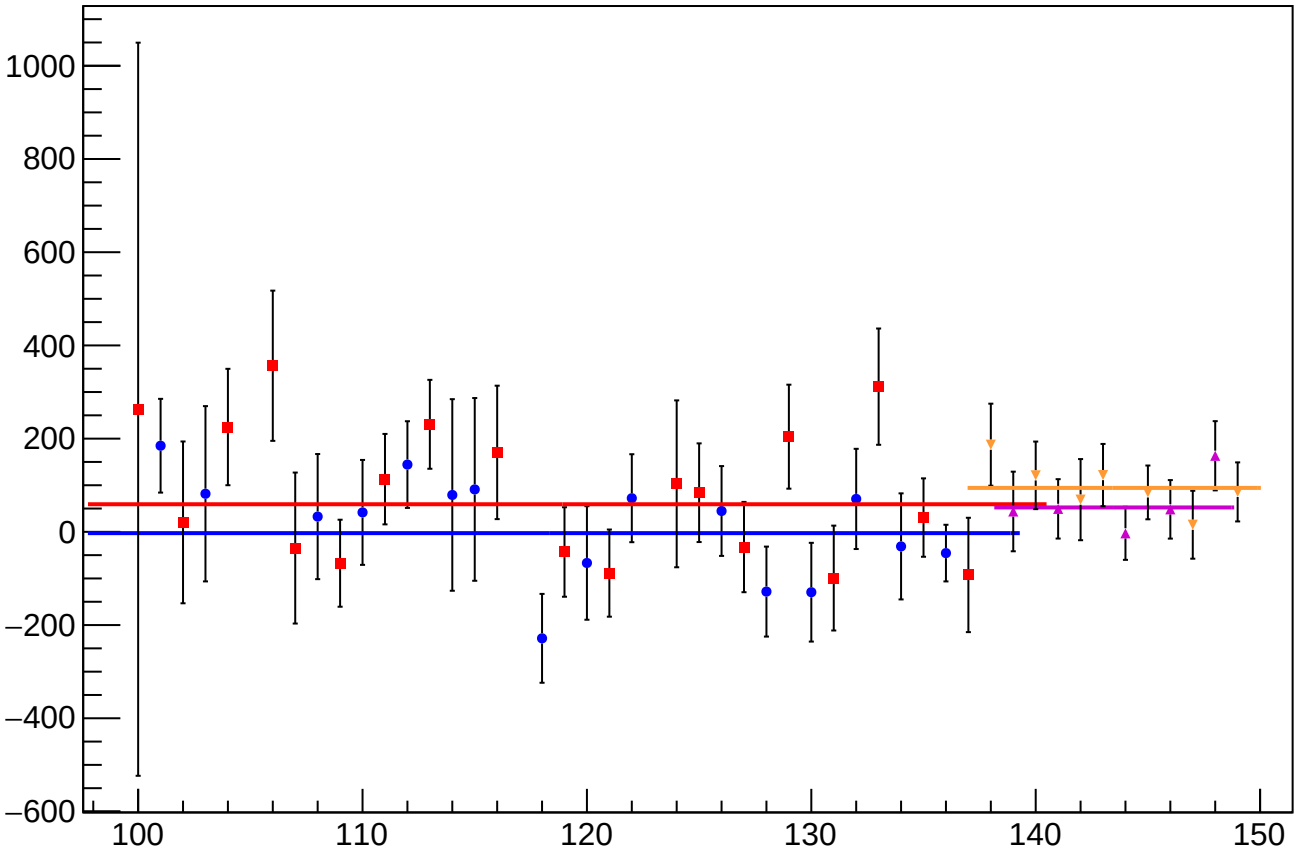
Left: 509.567+/-0.118 χ^2/NDF: 670595.6/11

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 639.389+/-0.142 χ^2/NDF:2725176.9/20

Out: 643.405+/-0.135 χ^2/NDF:2863480.1/25

All: 641.496+/-0.098 χ^2/NDF: 5589075.2/46



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 94.287+/-26.602 χ^2/NDF:2.7/6

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 52.344+/-29.786 χ^2/NDF:3.2/4

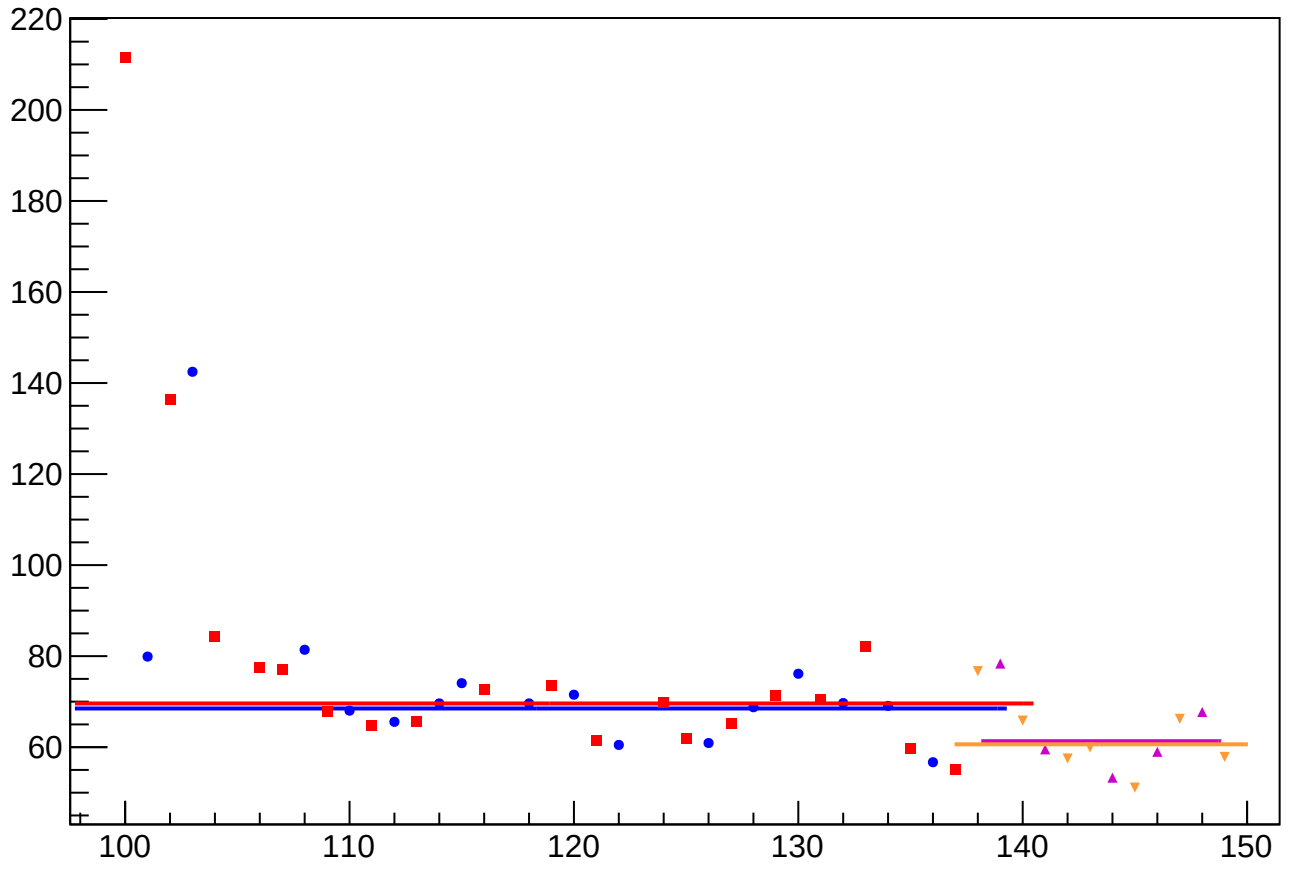
Left: 75.676+/-19.841 χ^2/NDF: 7.0/11

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 21.283+/-19.678 χ^2/NDF:22.8/20

Out: 76.612+/-18.733 χ^2/NDF:29.3/25

All: 50.308+/-13.568 χ^2/NDF: 56.2/46



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.629+/-0.019 χ^2/NDF:149817.6/6

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: 60.932+/-0.014 χ^2/NDF: 289045.3/11

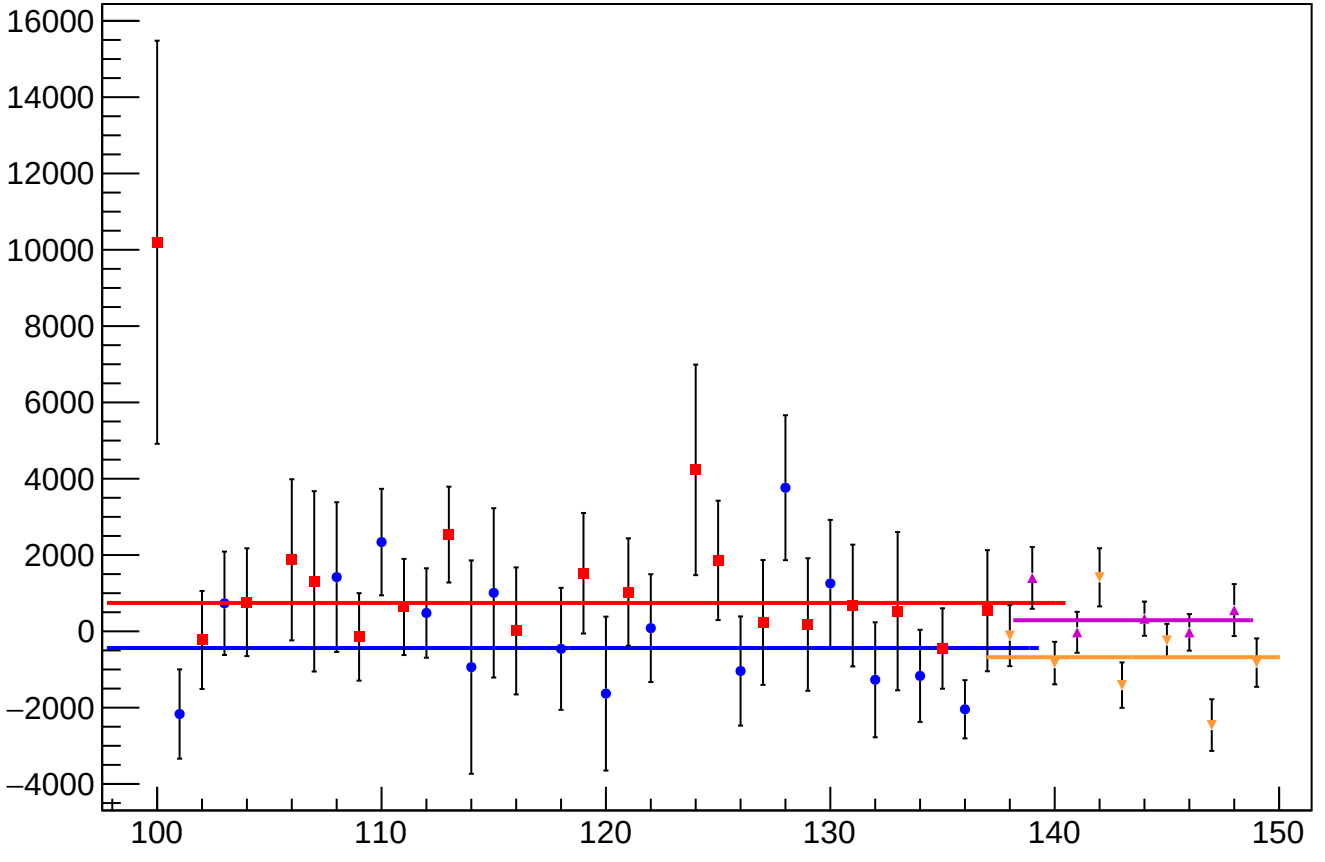
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.361+/-0.014 χ^2/NDF:676146.6/20

Out: 65.152+/-0.013 χ^2/NDF:784267.2/25

All: 65.252+/-0.010 χ^2/NDF: 1460532.7/46

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: -678.349+/-227.881 χ^2/NDF:17.6/6

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: -231.276+/-167.229 χ^2/NDF: 28.8/11

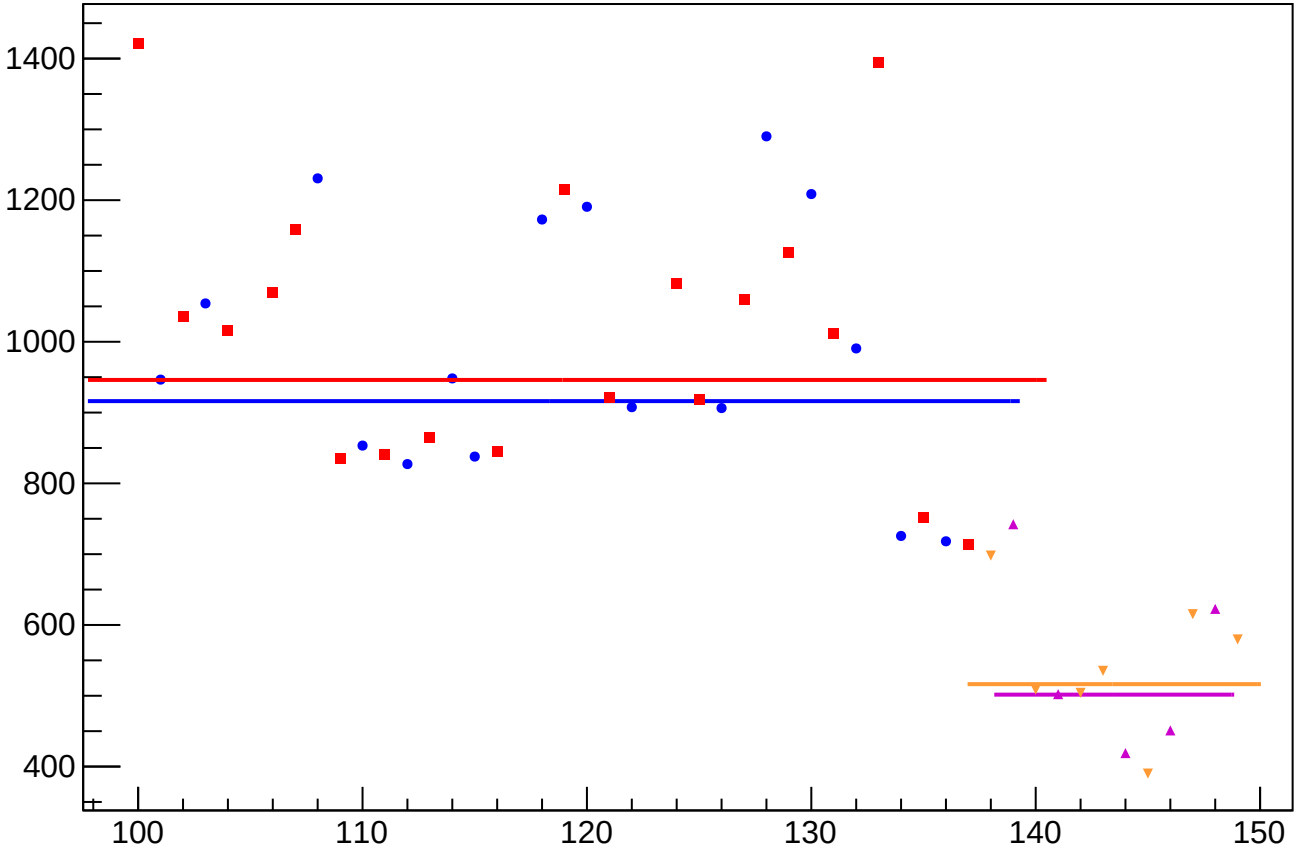
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 48.510+/-201.140 χ^2/NDF:26.3/20

Out: -260.658+/-191.531 χ^2/NDF:39.9/25

All: -113.635+/-138.706 χ^2/NDF: 67.4/46

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: 516.406+/-0.161 χ^2/NDF:336148.7/6

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

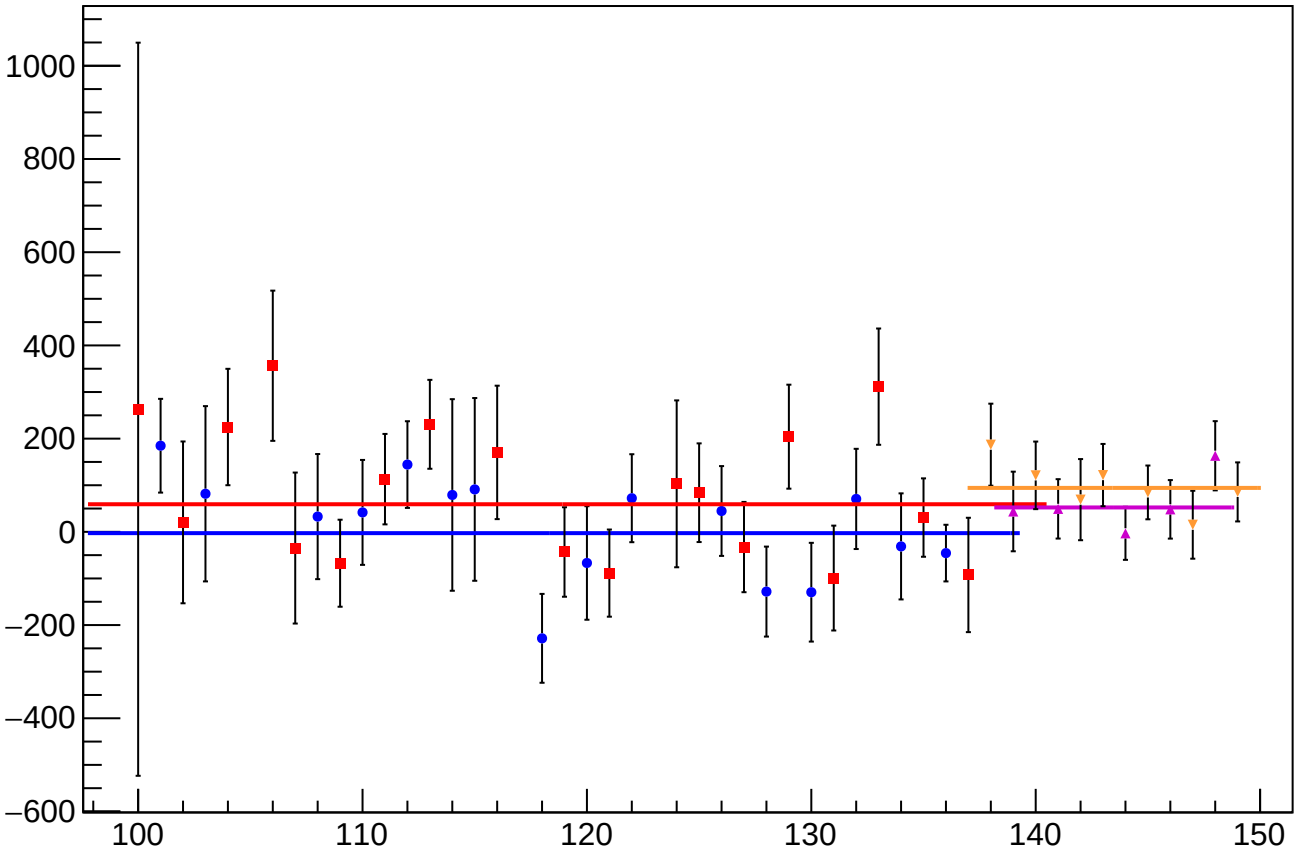
Left: 509.567+/-0.118 χ^2/NDF: 670595.3/11

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.390+/-0.142 χ^2/NDF:2725218.2/20

Out: 642.554+/-0.135 χ^2/NDF:2829154.2/25

All: 641.049+/-0.098 χ^2/NDF: 5554632.0/46



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 94.287+/-26.602 χ^2/NDF:2.7/6

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 52.344+/-29.786 χ^2/NDF:3.2/4

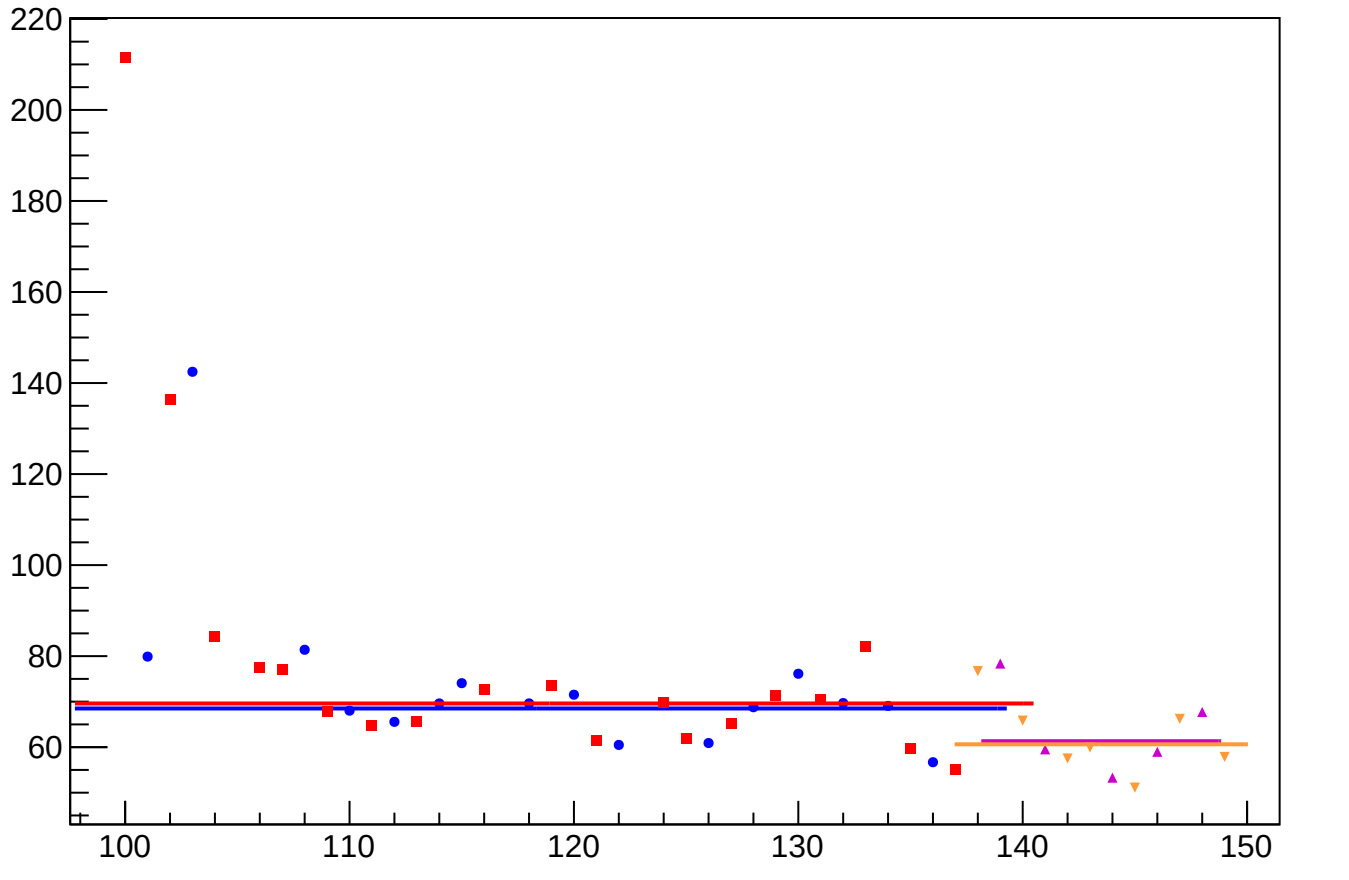
Left: 75.676+/-19.841 χ^2/NDF: 7.0/11

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 21.283+/-19.678 χ^2/NDF:22.8/20

Out: 76.612+/-18.733 χ^2/NDF:29.3/25

All: 50.308+/-13.568 χ^2/NDF: 56.2/46



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.629+/-0.019 χ^2/NDF:149817.6/6

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: 60.932+/-0.014 χ^2/NDF: 289045.3/11

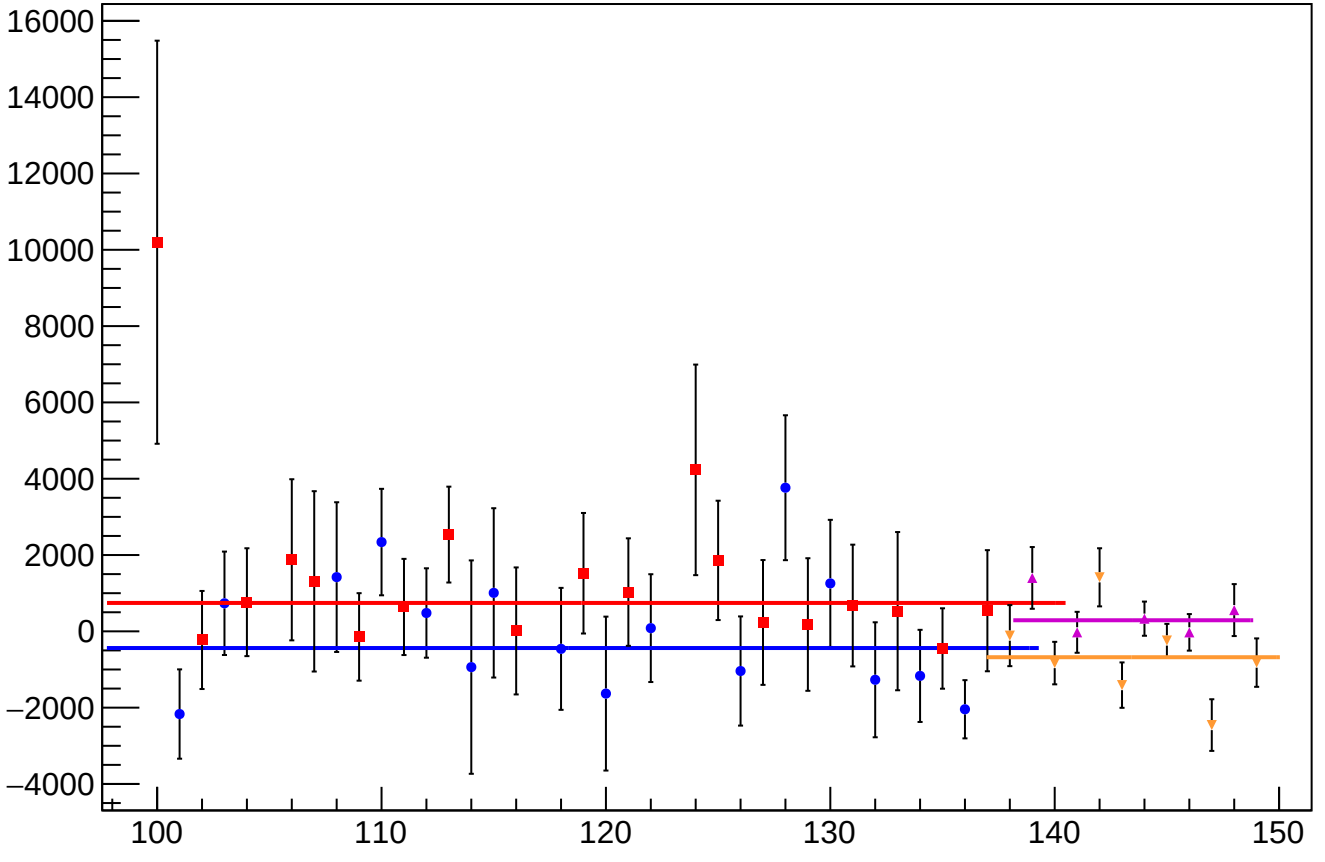
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.361+/-0.014 χ^2/NDF:676146.6/20

Out: 65.152+/-0.013 χ^2/NDF:784267.2/25

All: 65.252+/-0.010 χ^2/NDF: 1460532.7/46

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: -678.349+/-227.881 χ^2/NDF:17.6/6

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: -231.276+/-167.229 χ^2/NDF: 28.8/11

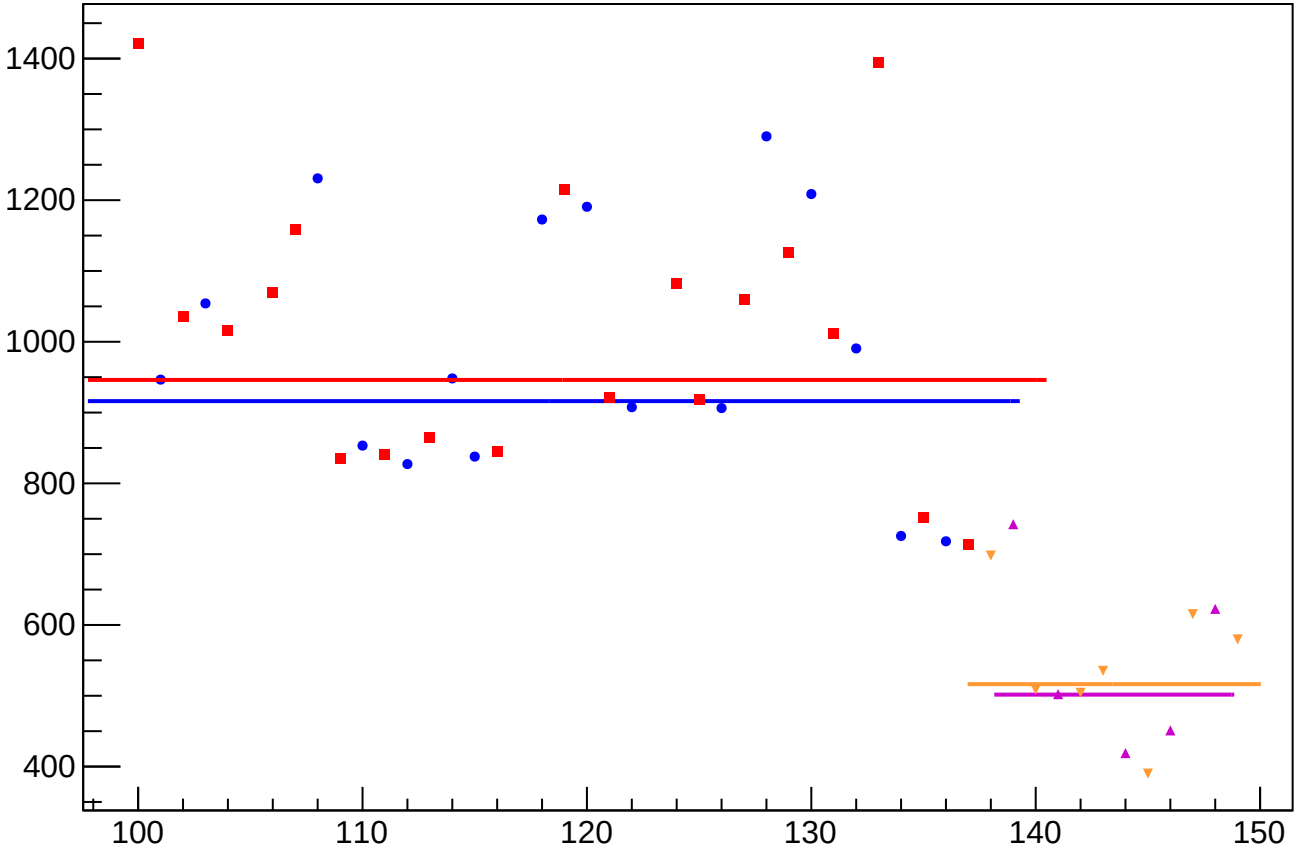
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 48.510+/-201.140 χ^2/NDF:26.3/20

Out: -260.658+/-191.531 χ^2/NDF:39.9/25

All: -113.635+/-138.706 χ^2/NDF: 67.4/46

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: 516.406+/-0.161 χ^2/NDF:336148.7/6

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 501.587+/-0.174 χ^2/NDF:330543.7/4

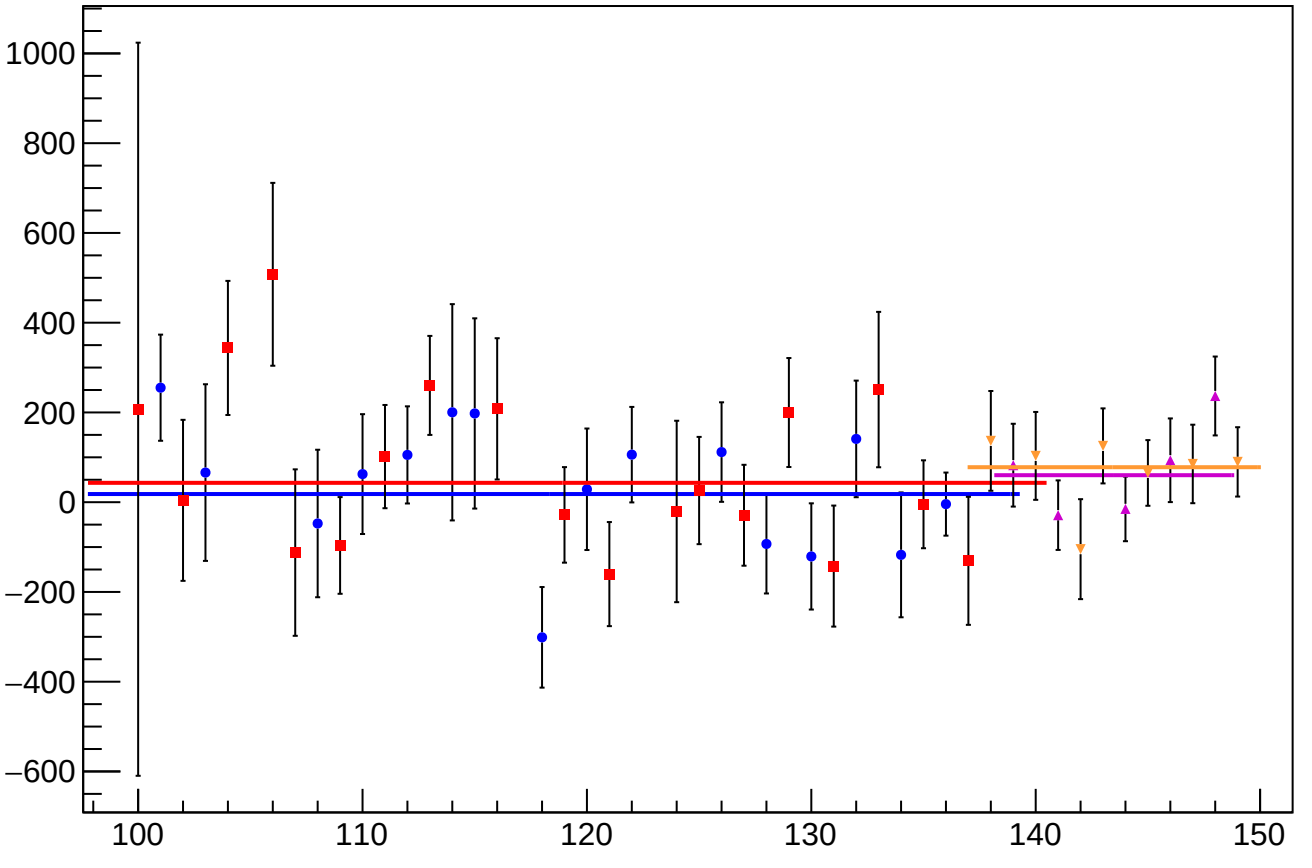
Left: 509.567+/-0.118 χ^2/NDF: 670595.3/11

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.390+/-0.142 χ^2/NDF:2725218.2/20

Out: 642.554+/-0.135 χ^2/NDF:2829154.2/25

All: 641.049+/-0.098 χ^2/NDF: 5554632.0/46



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 77.962+/-33.447 χ^2/NDF:3.4/6

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 60.167+/-37.236 χ^2/NDF:6.6/4

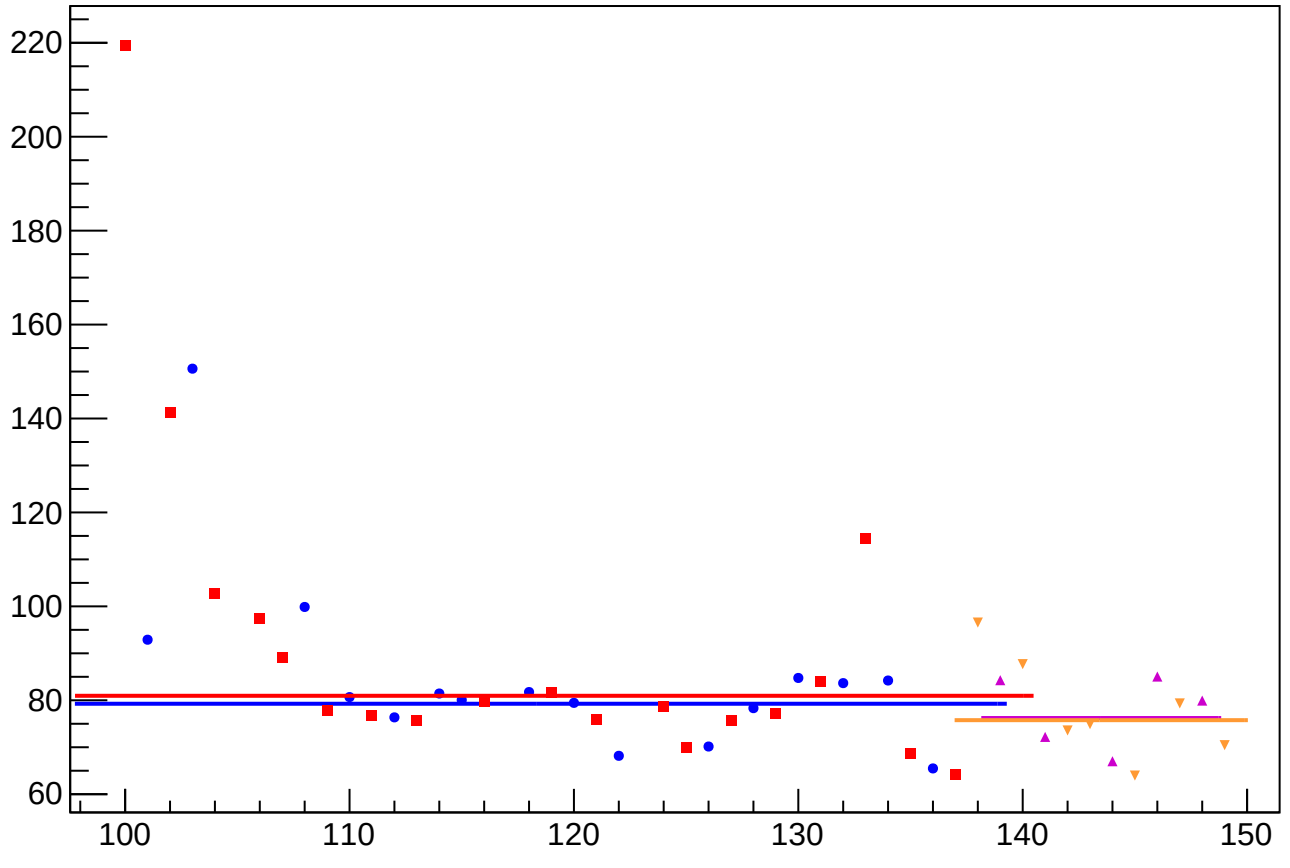
Left: 70.016+/-24.883 χ^2/NDF: 10.2/11

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 34.934+/-23.524 χ^2/NDF:27.5/20

Out: 59.070+/-22.620 χ^2/NDF:31.7/25

All: 47.474+/-16.305 χ^2/NDF: 59.8/46



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 75.767+/-0.024 χ^2/NDF:165343.9/6

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: 75.971+/-0.018 χ^2/NDF: 240266.0/11

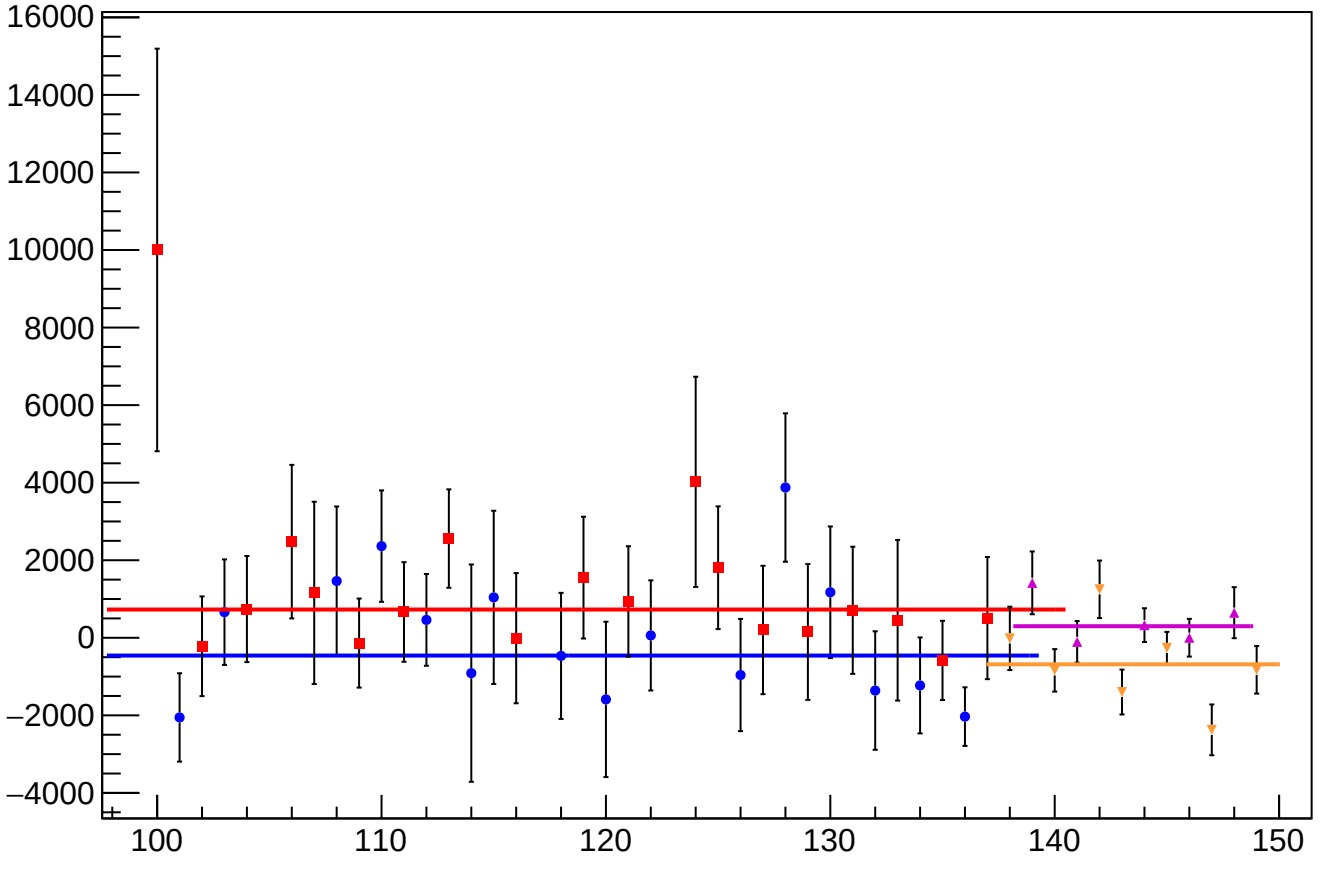
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 78.051+/-0.017 χ^2/NDF:527703.1/20

Out: 78.584+/-0.016 χ^2/NDF:705675.7/25

All: 78.328+/-0.012 χ^2/NDF: 1233912.3/46

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: -684.046+/-221.200 χ^2/NDF:16.8/6

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: -240.171+/-163.803 χ^2/NDF: 28.9/11

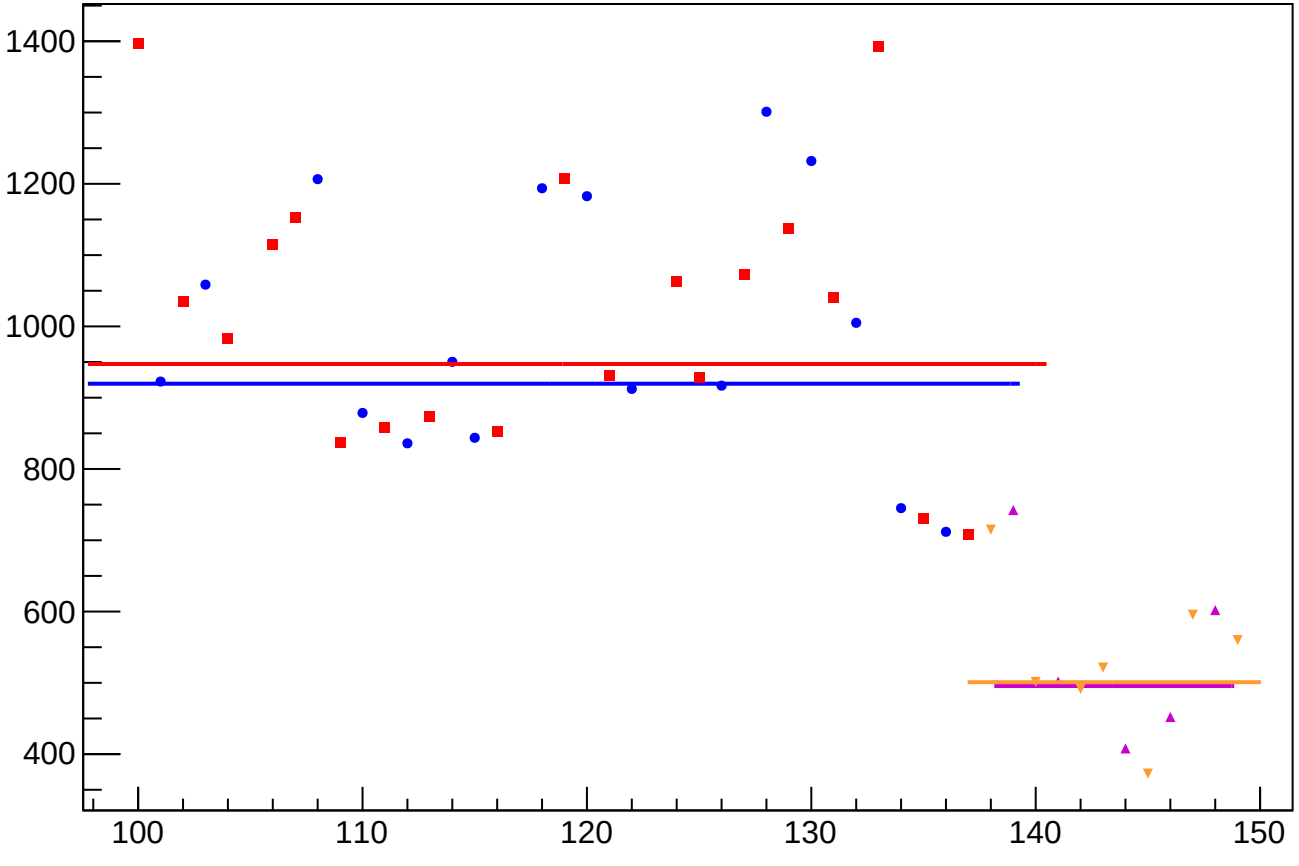
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 51.659+/-200.032 χ^2/NDF:26.6/20

Out: -285.014+/-187.376 χ^2/NDF:39.9/25

All: -127.664+/-136.751 χ^2/NDF: 67.9/46

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: 500.914+/-0.156 χ^2/NDF:391577.8/6

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 495.531+/-0.172 χ^2/NDF:335478.4/4

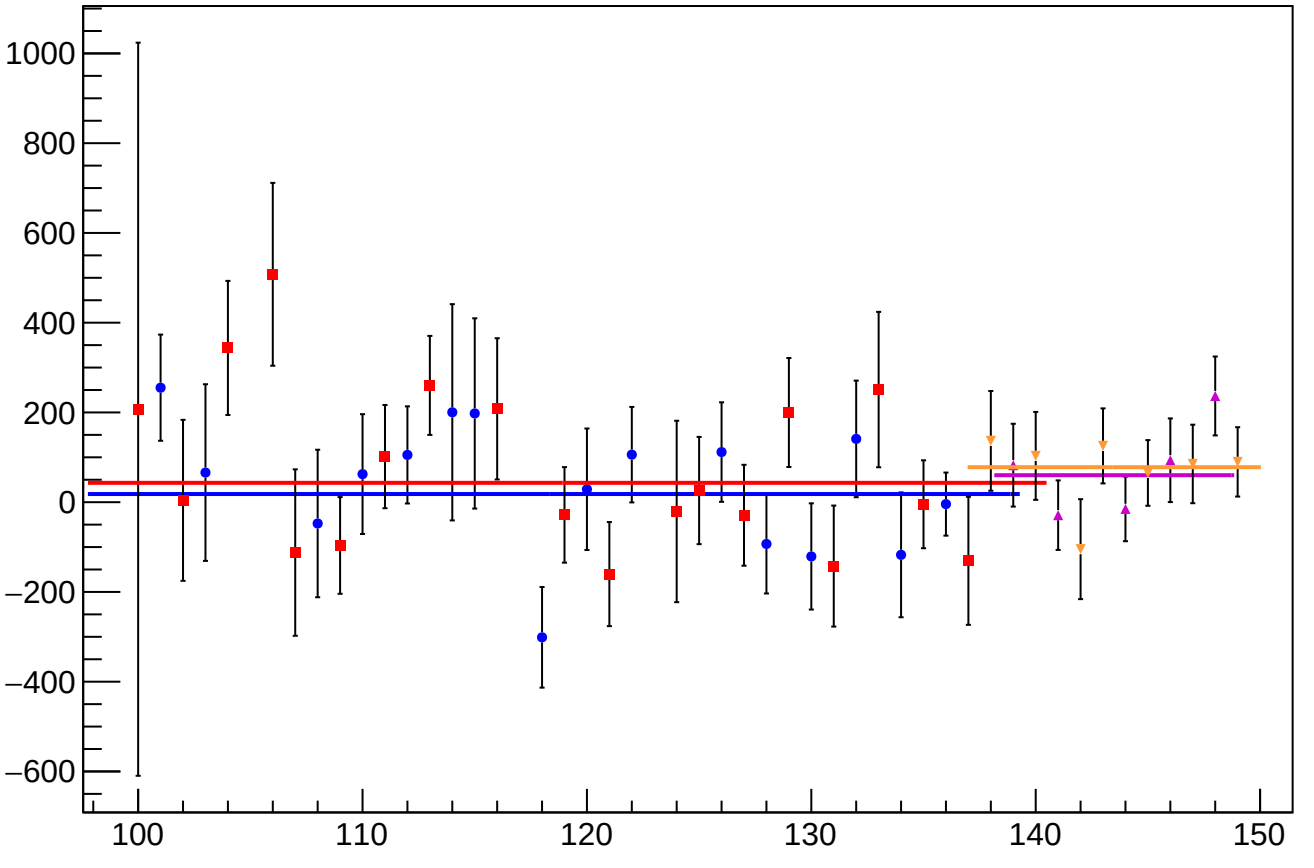
Left: 498.483+/-0.116 χ^2/NDF: 727591.0/11

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 634.001+/-0.141 χ^2/NDF:2827885.6/20

Out: 626.984+/-0.132 χ^2/NDF:3117276.1/25

All: 630.264+/-0.097 χ^2/NDF: 5946472.3/46



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 77.961+/-33.447 χ^2/NDF:3.4/6

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 60.167+/-37.237 χ^2/NDF:6.6/4

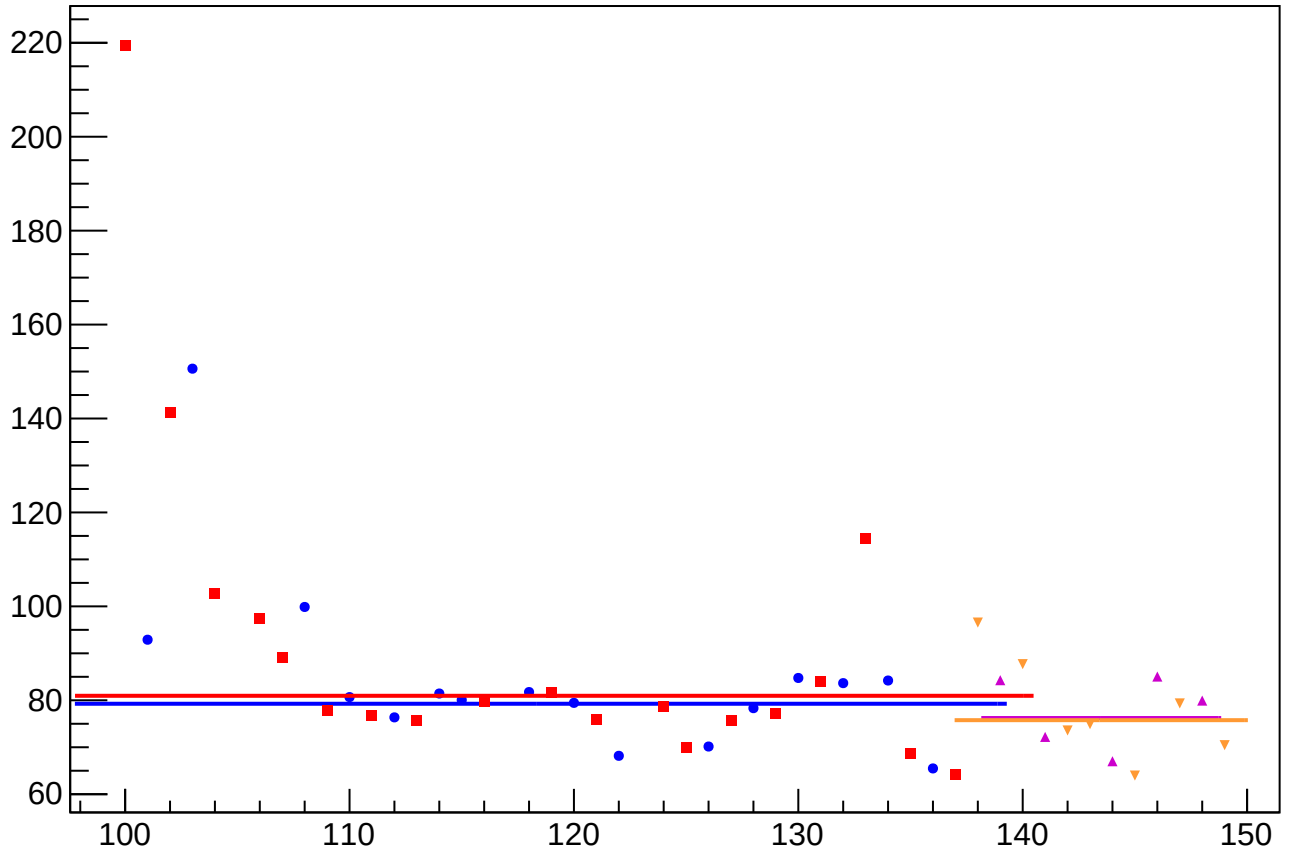
Left: 70.016+/-24.883 χ^2/NDF: 10.2/11

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 34.934+/-23.524 χ^2/NDF:27.5/20

Out: 59.068+/-22.620 χ^2/NDF:31.7/25

All: 47.474+/-16.305 χ^2/NDF: 59.8/46



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 75.767+/-0.024 χ^2/NDF:165335.8/6

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: 75.972+/-0.018 χ^2/NDF: 240256.5/11

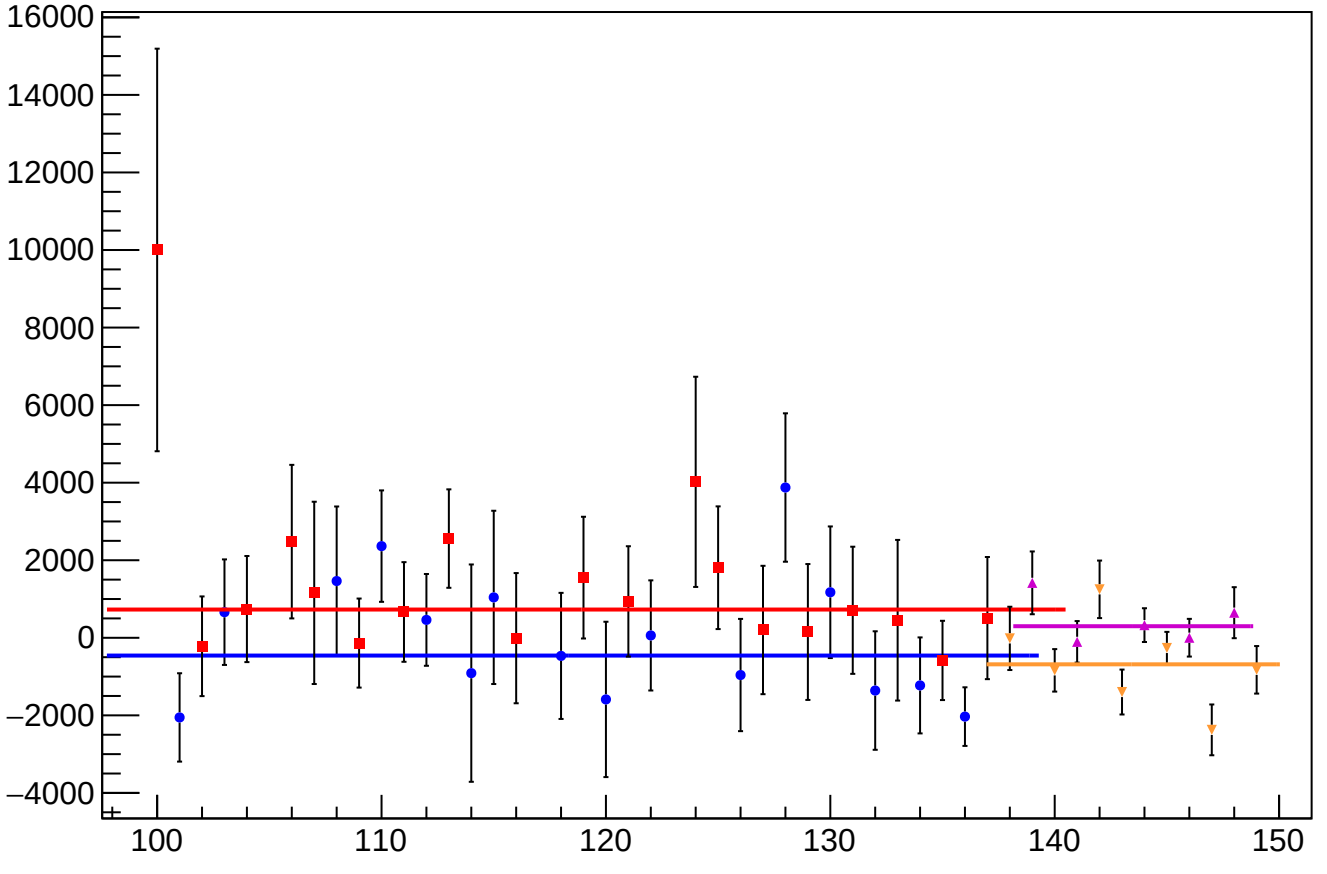
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 78.051+/-0.017 χ^2/NDF:527696.0/20

Out: 78.584+/-0.016 χ^2/NDF:705670.4/25

All: 78.328+/-0.012 χ^2/NDF: 1233900.1/46

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: -684.047+/-221.200 χ^2/NDF:16.8/6

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: -240.172+/-163.803 χ^2/NDF: 28.9/11

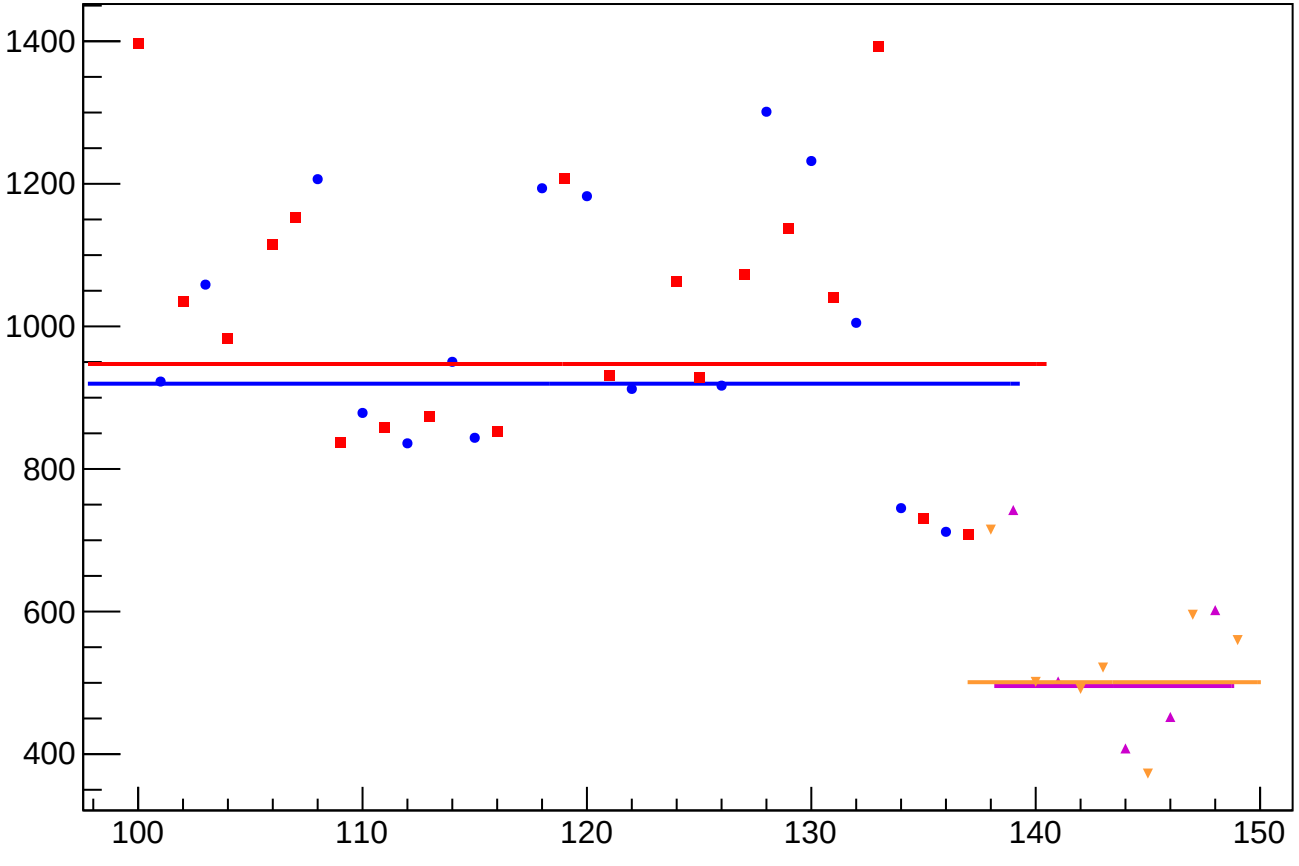
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 51.660+/-200.032 χ^2/NDF:26.6/20

Out: -285.014+/-187.376 χ^2/NDF:39.9/25

All: -127.664+/-136.750 χ^2/NDF: 67.9/46

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: 500.913+/-0.156 χ^2/NDF:391580.5/6

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: 498.482+/-0.116 χ^2/NDF: 727593.4/11

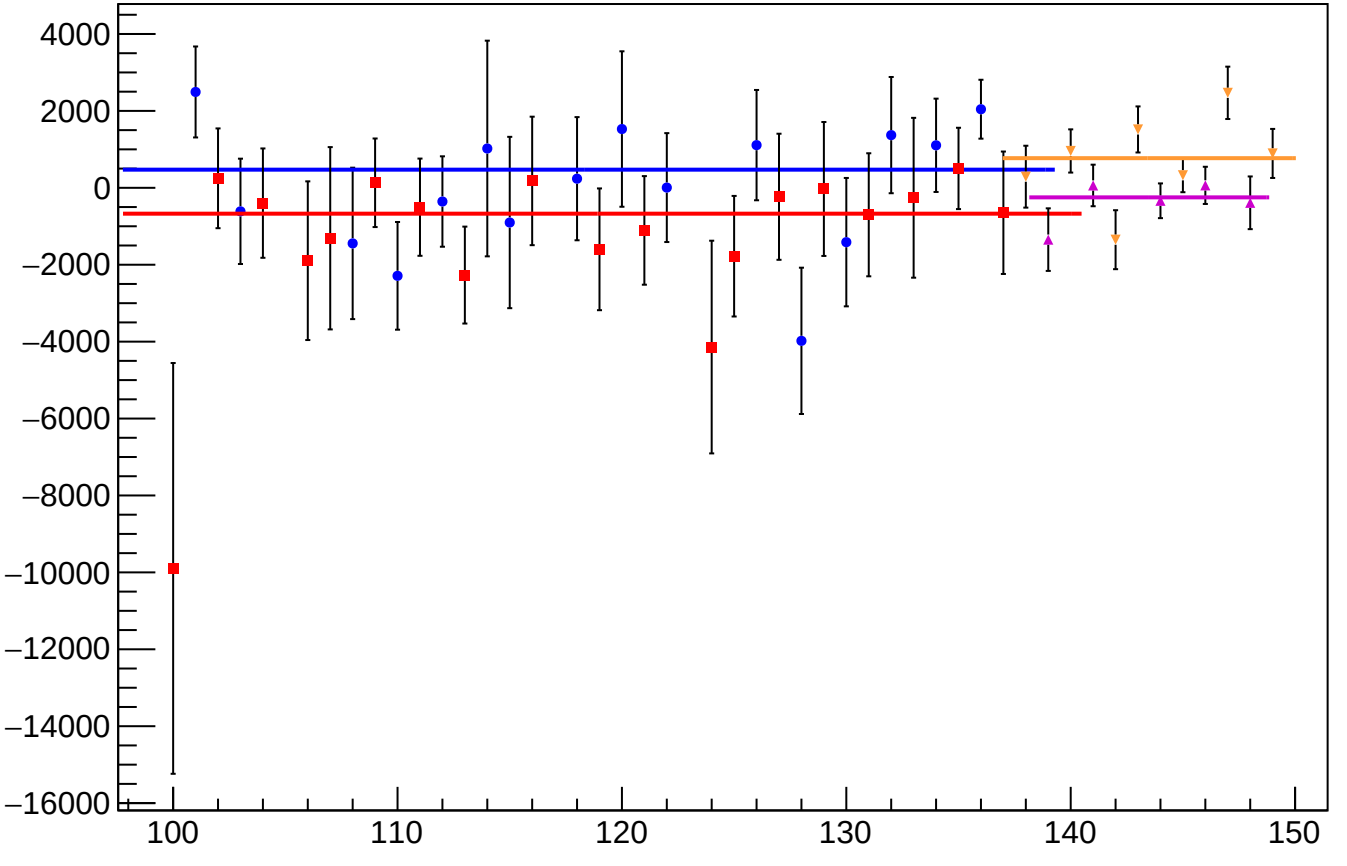
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 634.000+/-0.141 χ^2/NDF:2827878.9/20

Out: 626.983+/-0.132 χ^2/NDF:3117276.2/25

All: 630.263+/-0.097 χ^2/NDF: 5946465.9/46

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 770.861+/-229.539 χ^2/NDF:17.0/6

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: 300.761+/-168.485 χ^2/NDF: 28.7/11

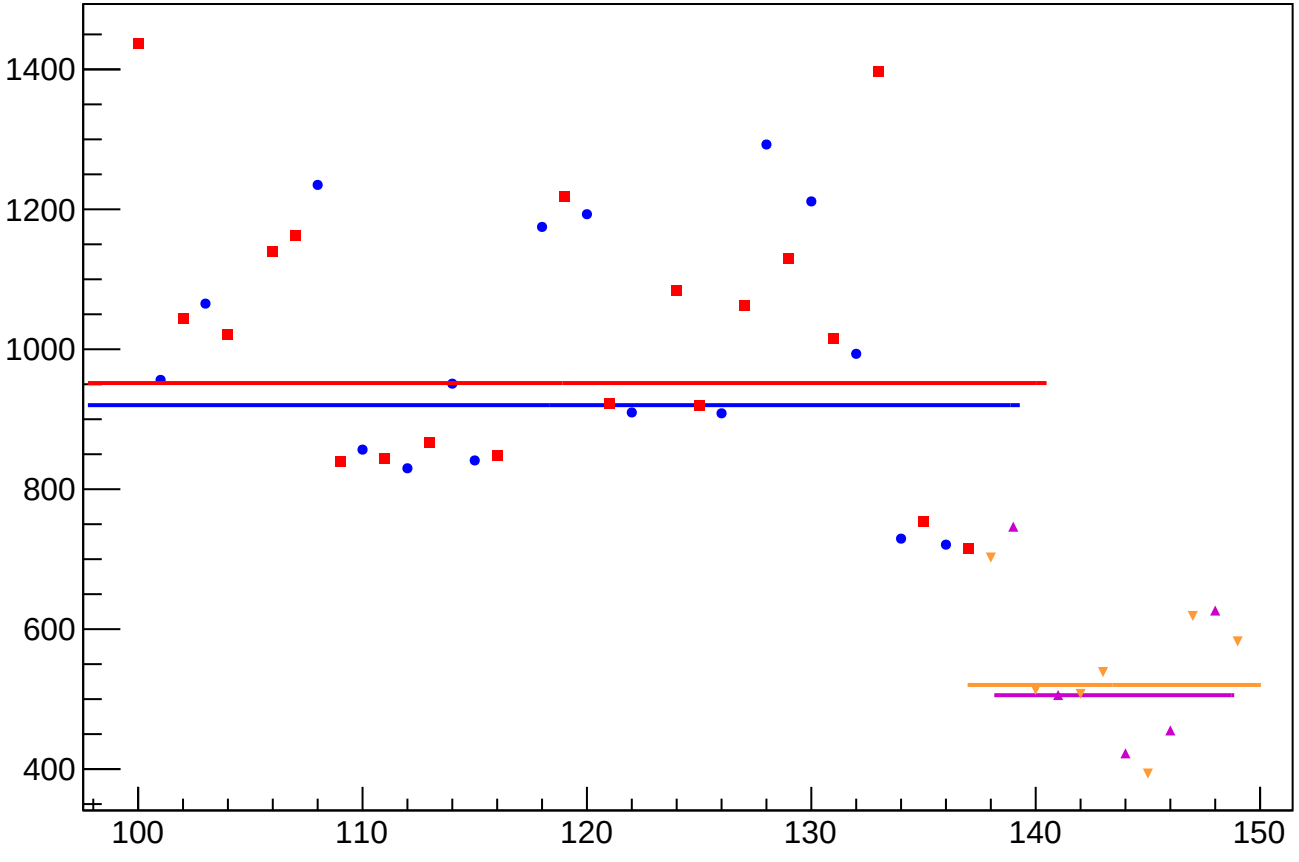
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -7.822+/-202.472 χ^2/NDF:27.0/20

Out: 344.495+/-192.677 χ^2/NDF:39.0/25

All: 177.064+/-139.578 χ^2/NDF: 67.5/46

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 520.263+/-0.162 χ^2/NDF:331651.9/6

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 505.613+/-0.175 χ^2/NDF:327081.6/4

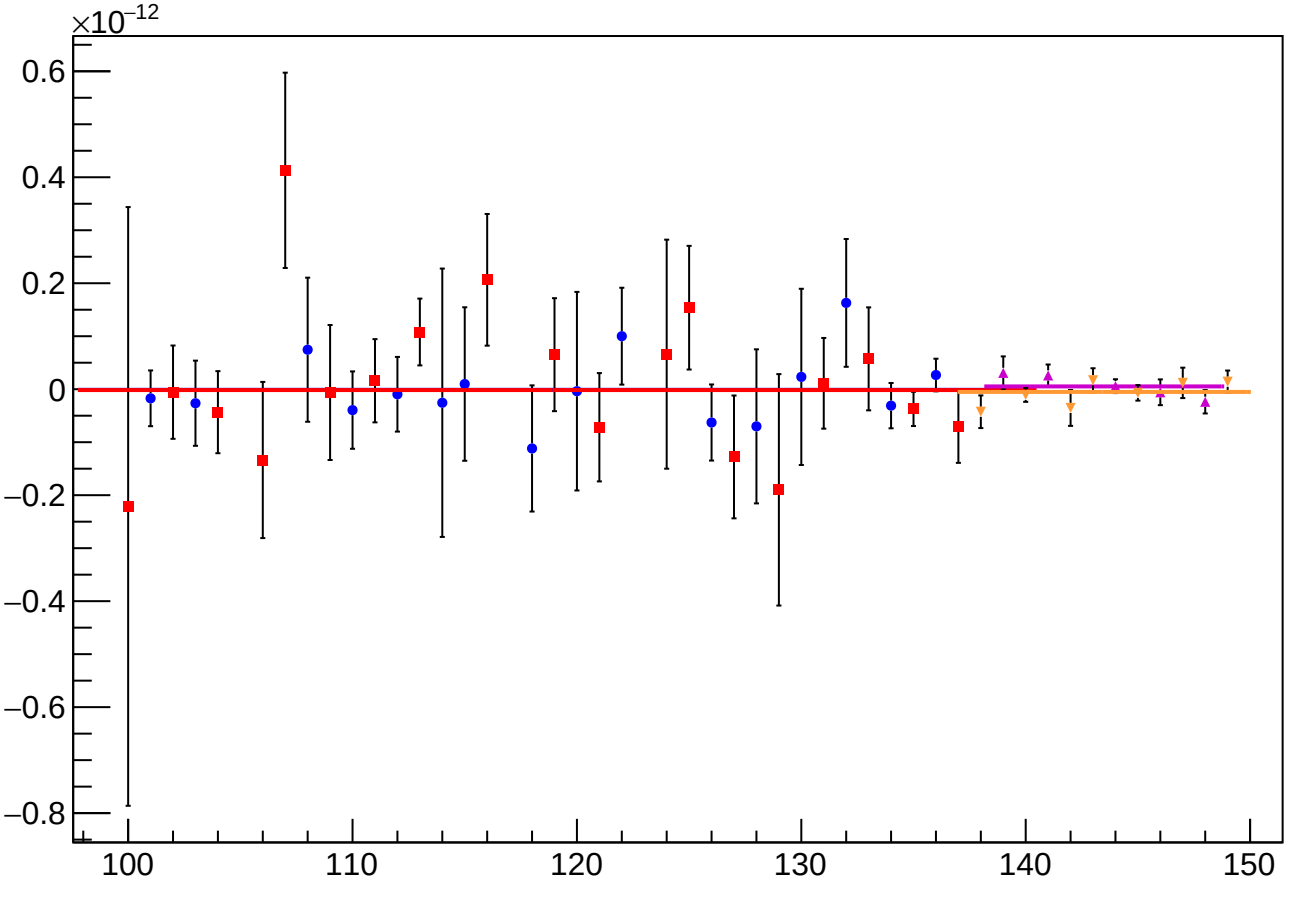
Left: 513.506+/-0.119 χ^2/NDF: 662491.0/11

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 644.033+/-0.143 χ^2/NDF:2700223.3/20

Out: 647.713+/-0.136 χ^2/NDF:2835156.5/25

All: 645.964+/-0.099 χ^2/NDF: 5535726.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/4

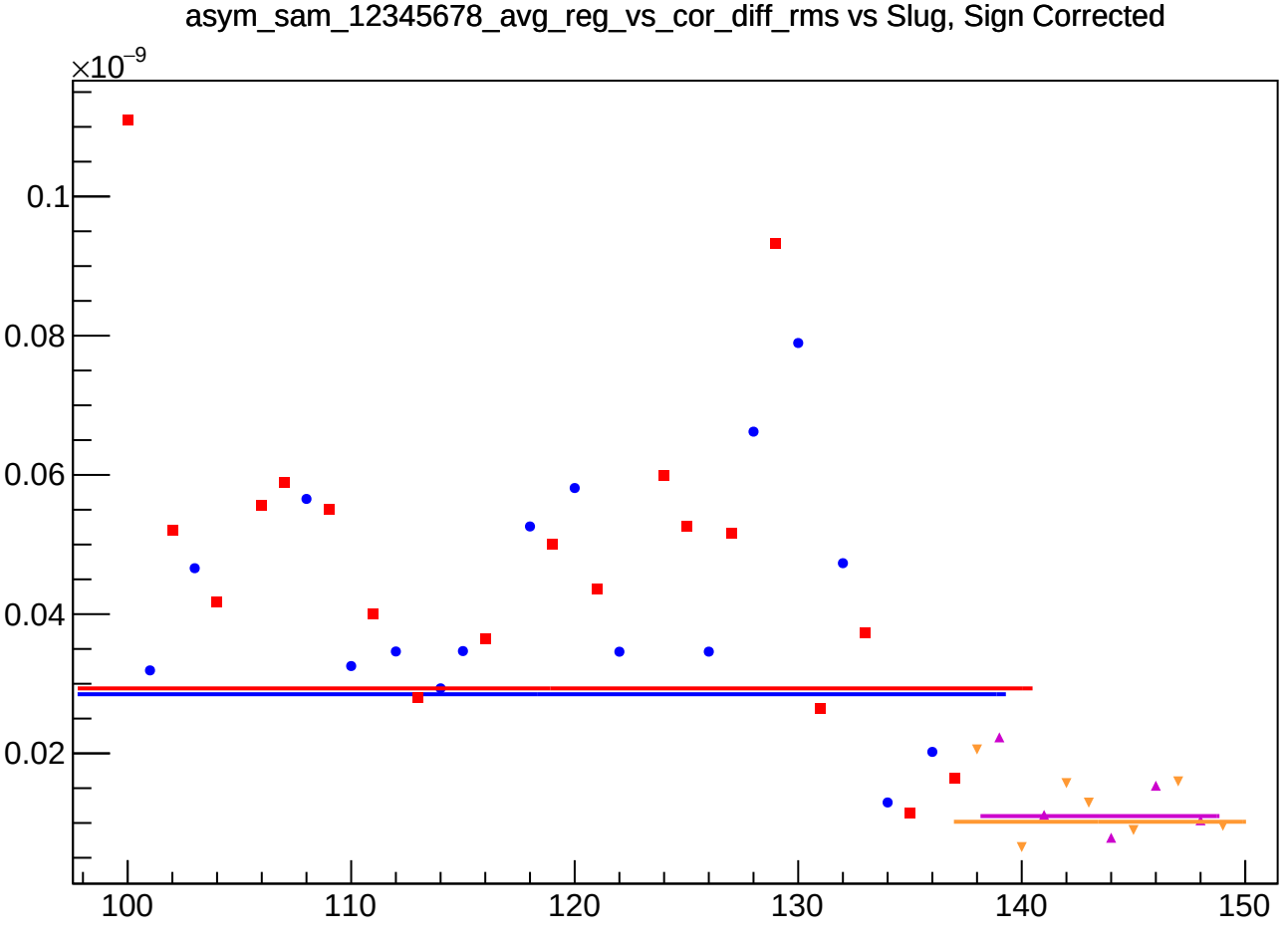
Left: -0.000+/-0.000 χ^2/NDF: 9.0/11

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:24.0/25

All: -0.000+/-0.000 χ^2/NDF: 35.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:561130.5/6

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: 1016022.5/11

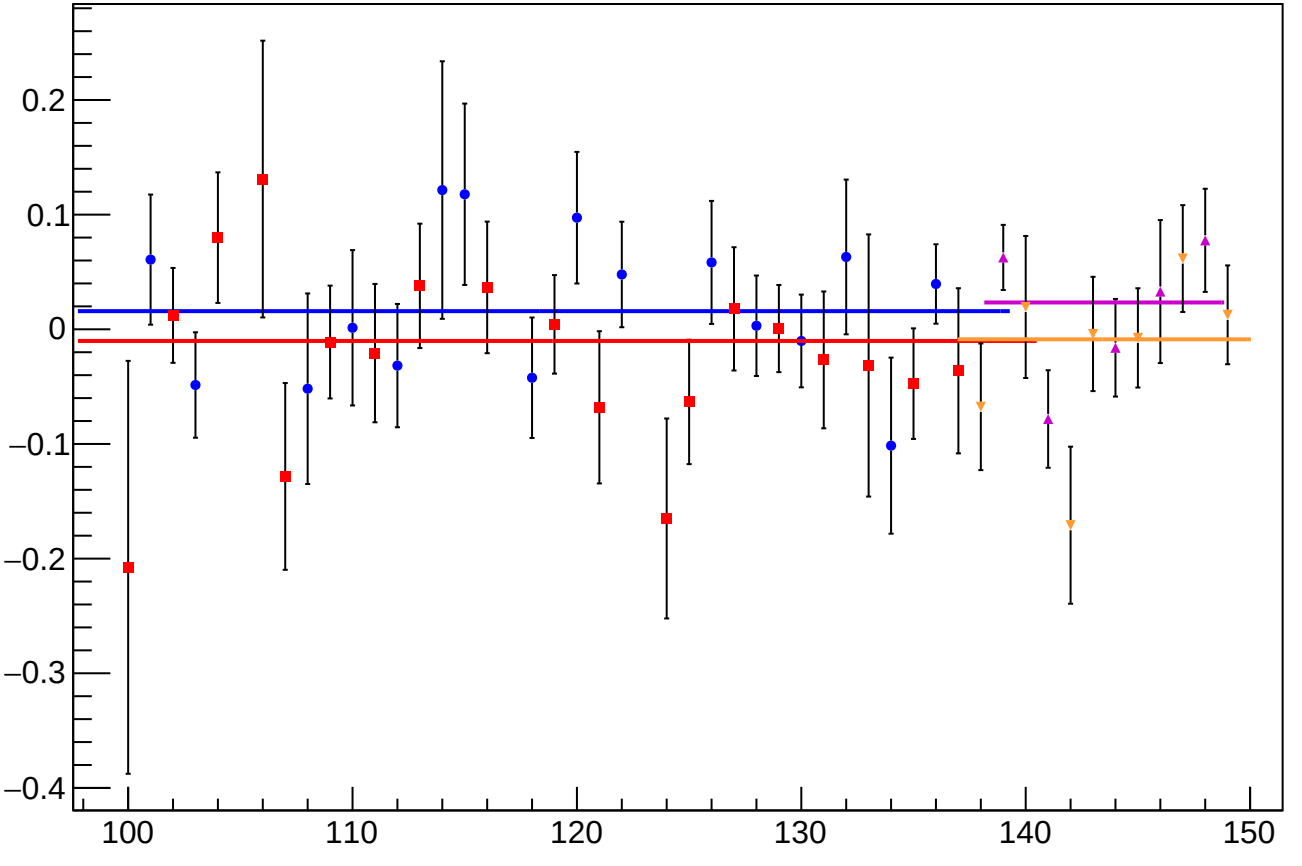
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3166416.9/20

Out: 0.000+/-0.000 χ^2/NDF:3926050.4/25

All: 0.000+/-0.000 χ^2/NDF: 7147291.9/46

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: -0.009+/-0.019 χ^2/NDF:9.5/6

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.023+/-0.018 χ^2/NDF:10.0/4

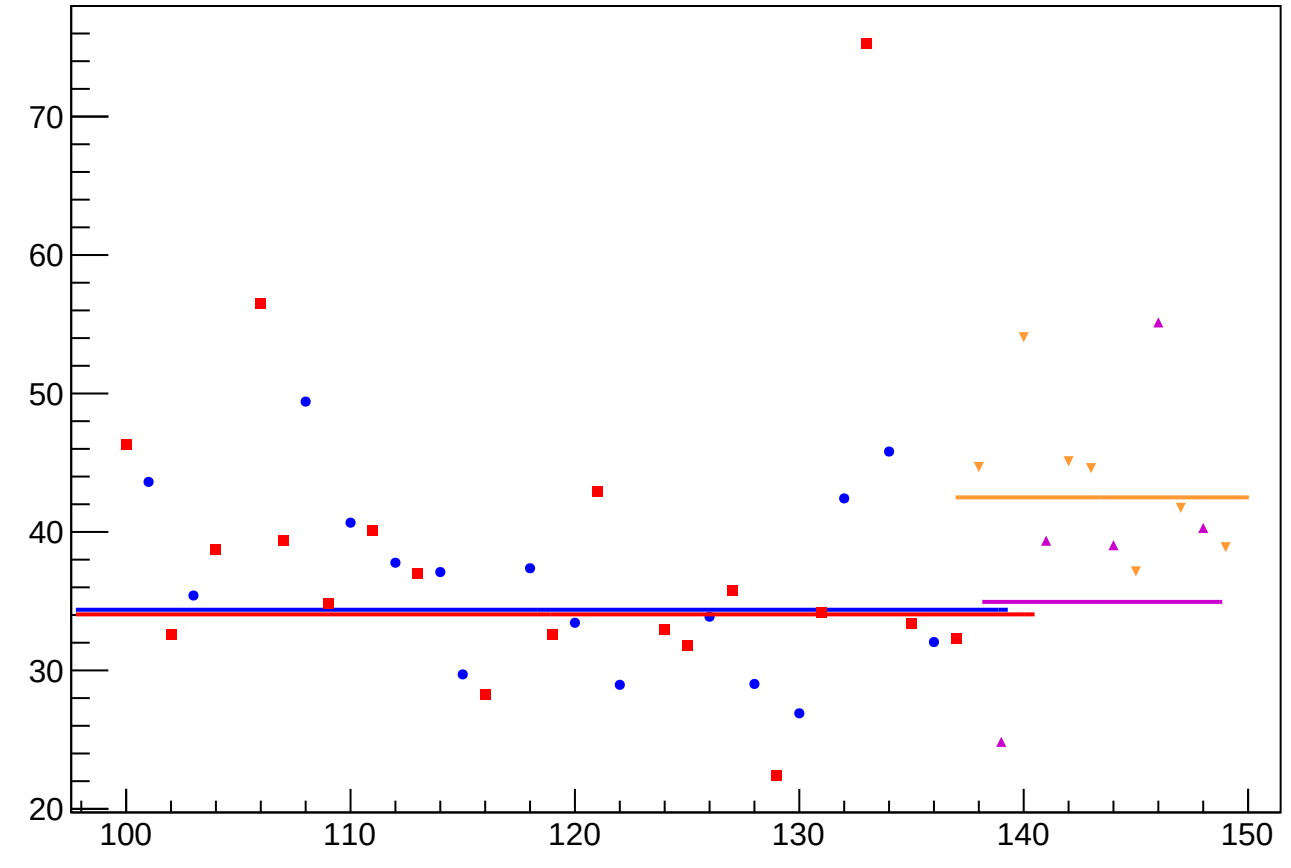
Left: 0.008+/-0.013 χ^2/NDF: 20.9/11

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.010+/-0.011 χ^2/NDF:24.6/25

All: 0.005+/-0.008 χ^2/NDF: 52.9/46



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 42.498+/-0.014 χ^2/NDF:124288.9/6

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

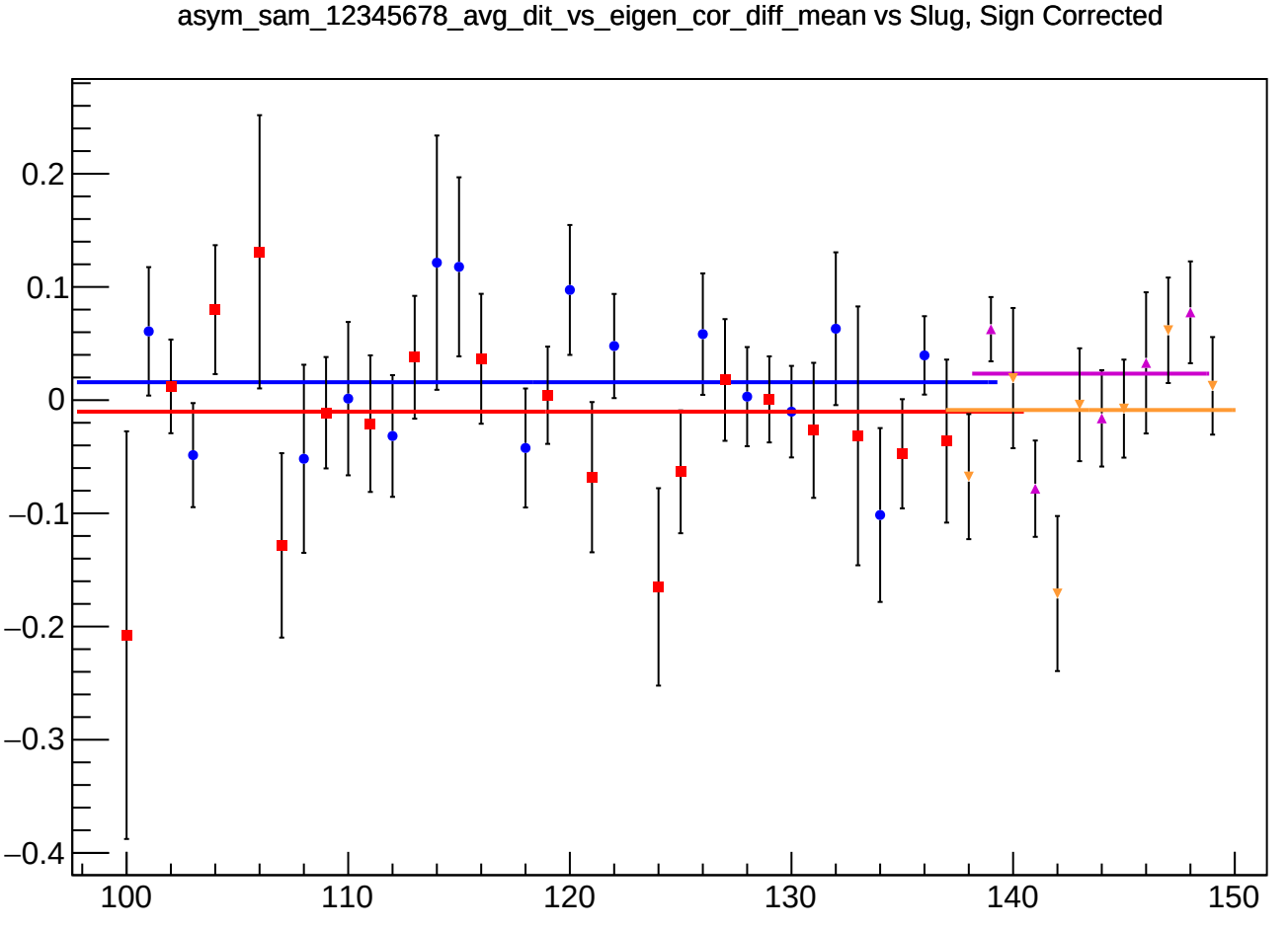
Left: 38.491+/-0.009 χ^2/NDF: 820981.9/11

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.584+/-0.008 χ^2/NDF:900259.4/20

Out: 36.778+/-0.008 χ^2/NDF:1031550.6/25

All: 35.668+/-0.005 χ^2/NDF: 1973045.6/46



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.009+/-0.019 χ^2/NDF:9.5/6

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+/-0.013 χ^2/NDF: 20.9/11

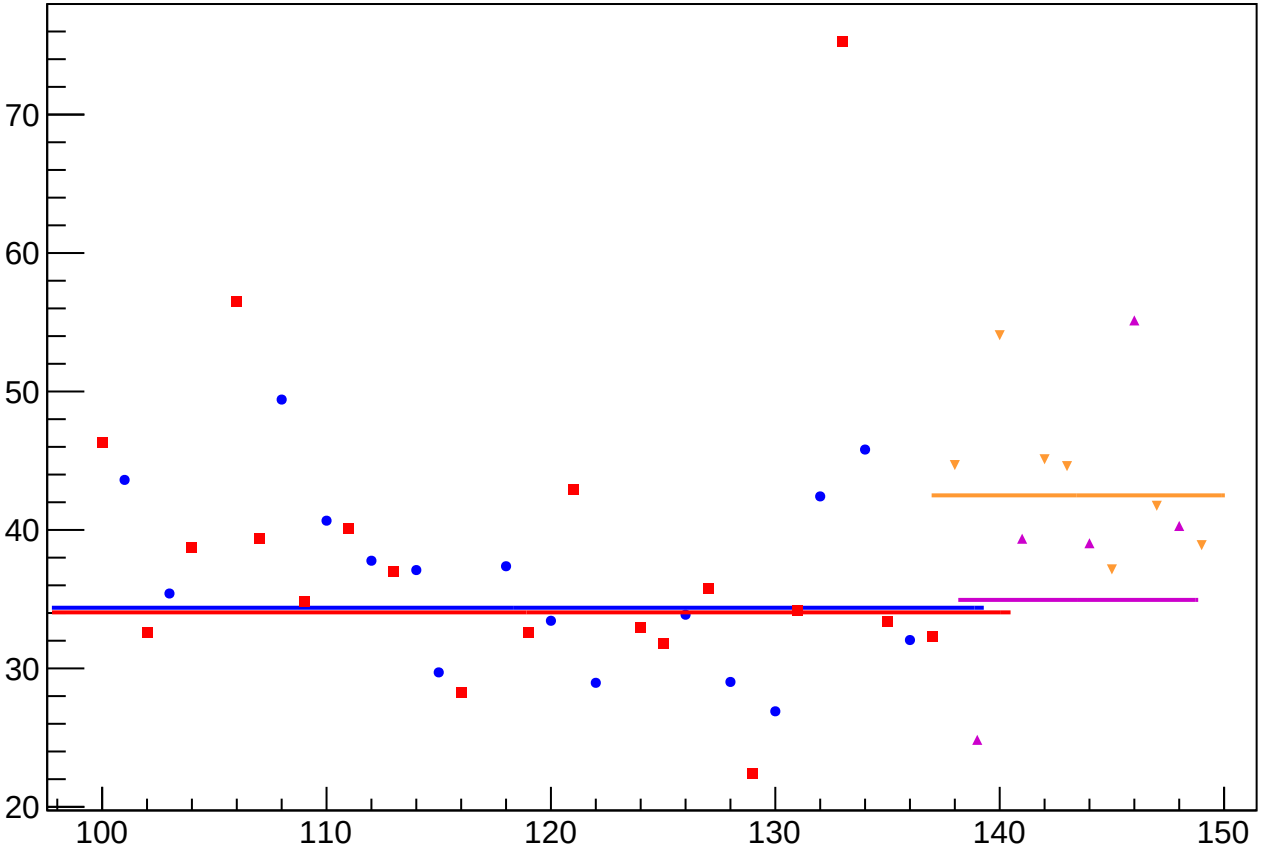
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.010+/-0.011 χ^2/NDF:24.6/25

All: 0.005+/-0.008 χ^2/NDF: 52.9/46

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: 42.498+/-0.014 χ^2/NDF:124288.9/6

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.948+/-0.013 χ^2/NDF:531099.8/4

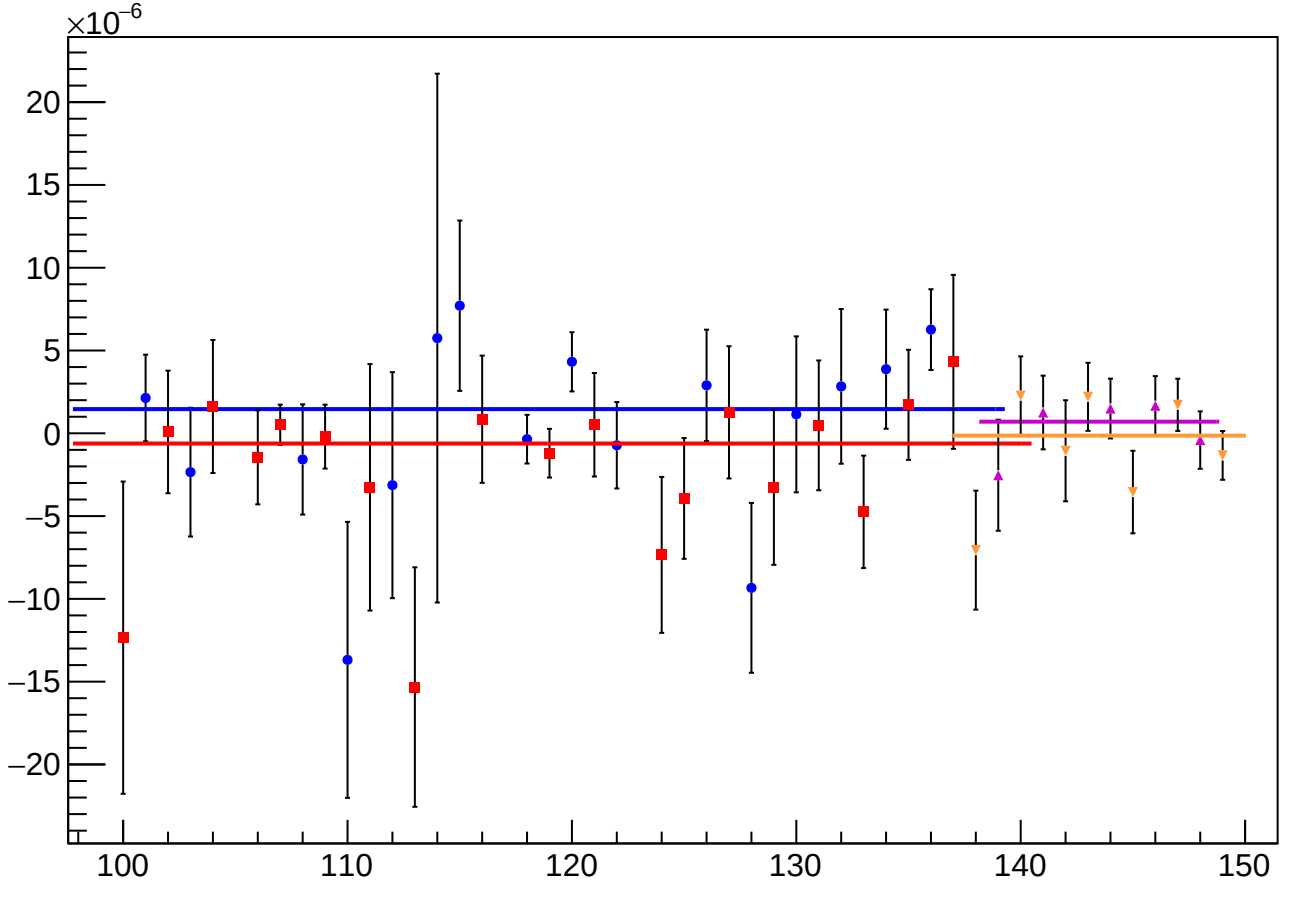
Left: 38.491+/-0.009 χ^2/NDF: 820981.9/11

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.584+/-0.008 χ^2/NDF:900259.4/20

Out: 36.778+/-0.008 χ^2/NDF:1031550.6/25

All: 35.668+/-0.005 χ^2/NDF: 1973045.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/4

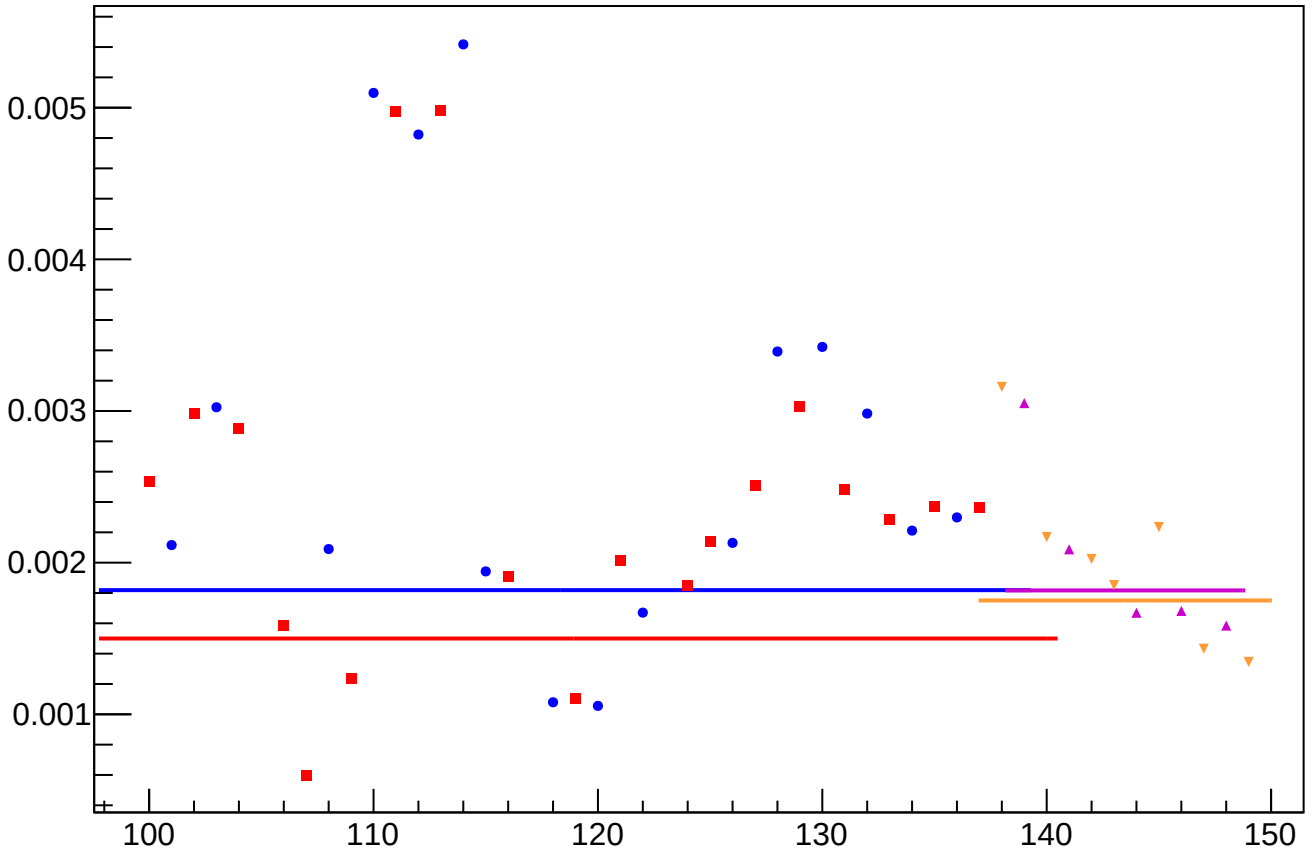
Left: 0.000+/-0.000 χ^2/NDF: 12.4/11

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:24.2/25

All: 0.000+/-0.000 χ^2/NDF: 51.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:698647.4/6

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: 1066029.6/11

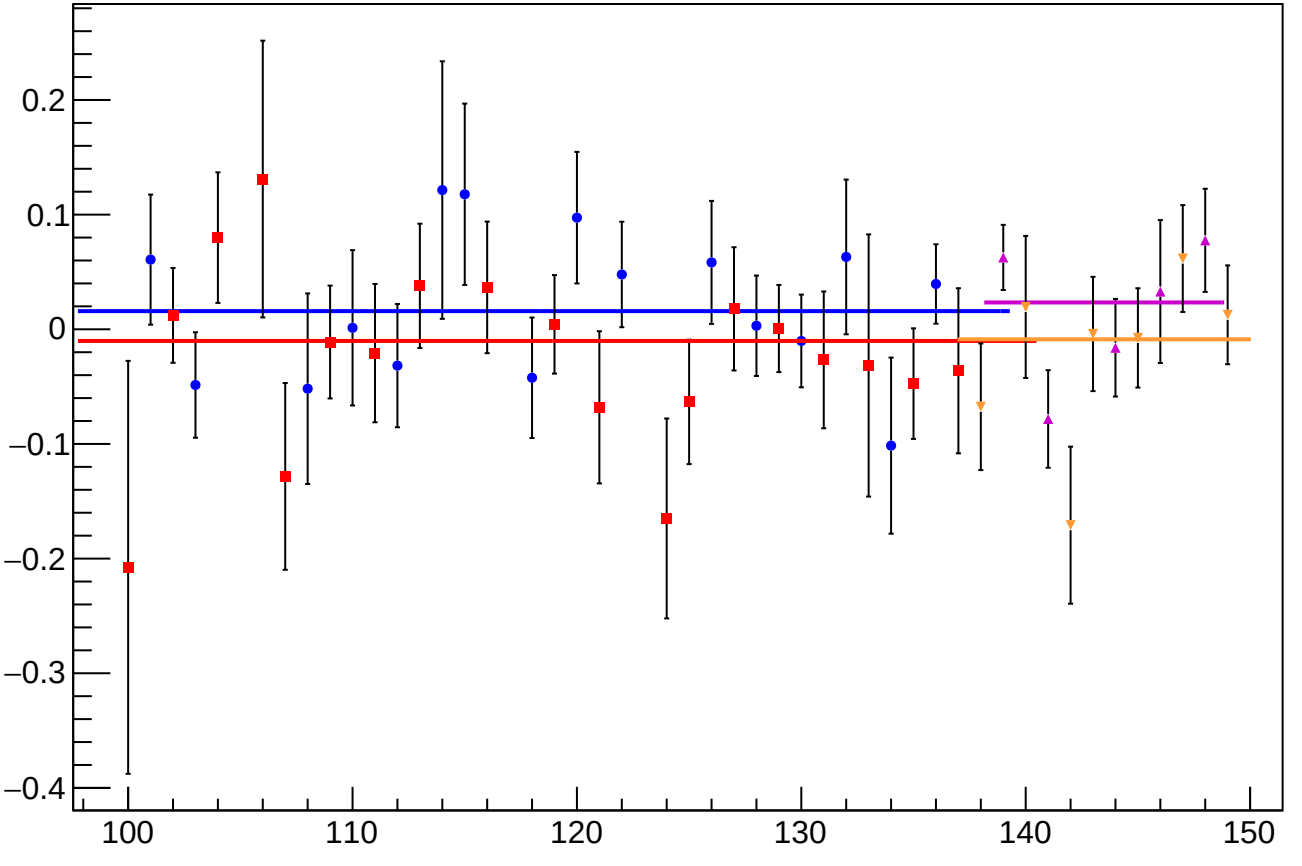
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2931460.6/20

Out: 0.002+/-0.000 χ^2/NDF:4509892.3/25

All: 0.002+/-0.000 χ^2/NDF: 7602968.9/46

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.009+/-0.019 χ^2/NDF:9.5/6

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.023+/-0.018 χ^2/NDF:10.0/4

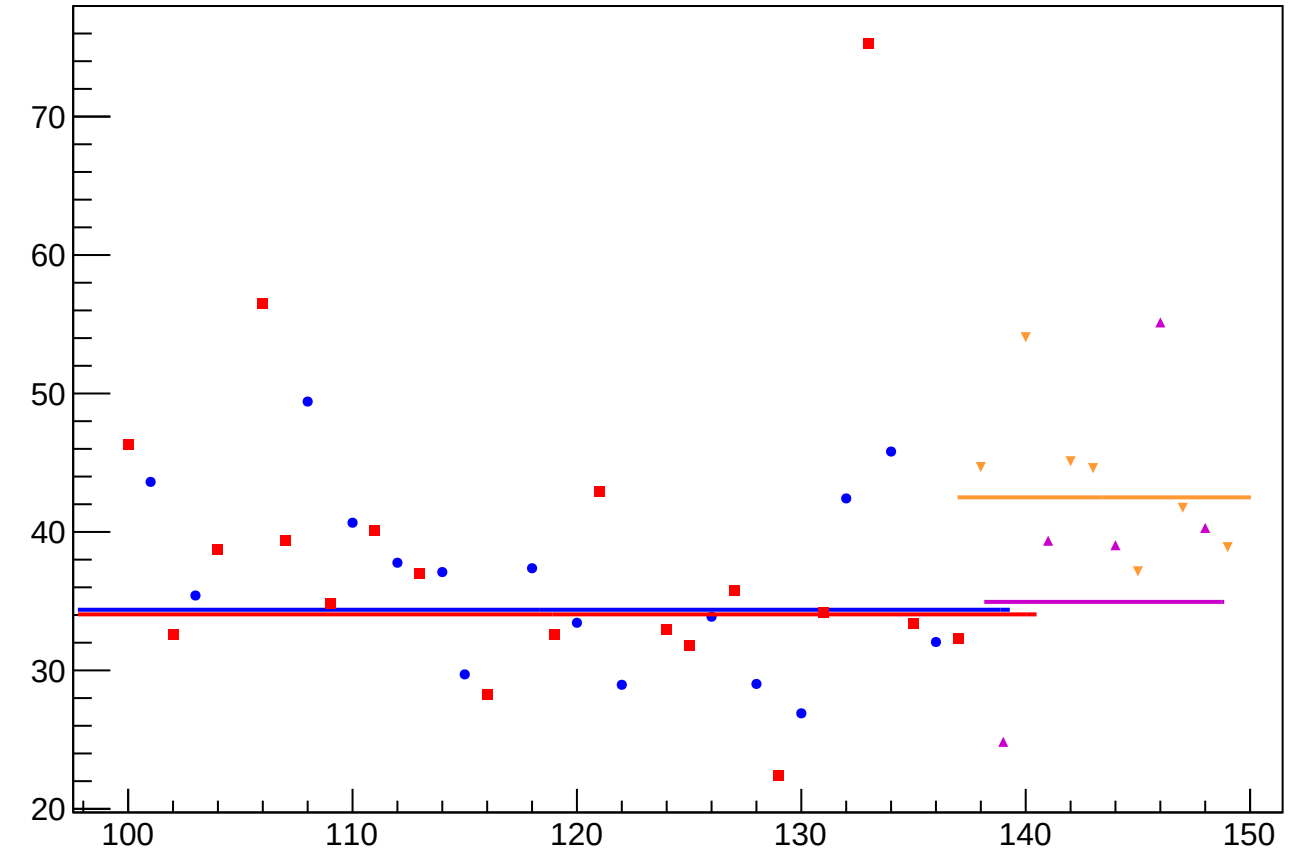
Left: 0.008+/-0.013 χ^2/NDF: 20.9/11

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.010+/-0.011 χ^2/NDF:24.6/25

All: 0.005+/-0.008 χ^2/NDF: 52.9/46



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 42.499+/-0.014 χ^2/NDF:124277.1/6

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: 38.491+/-0.009 χ^2/NDF: 820985.3/11

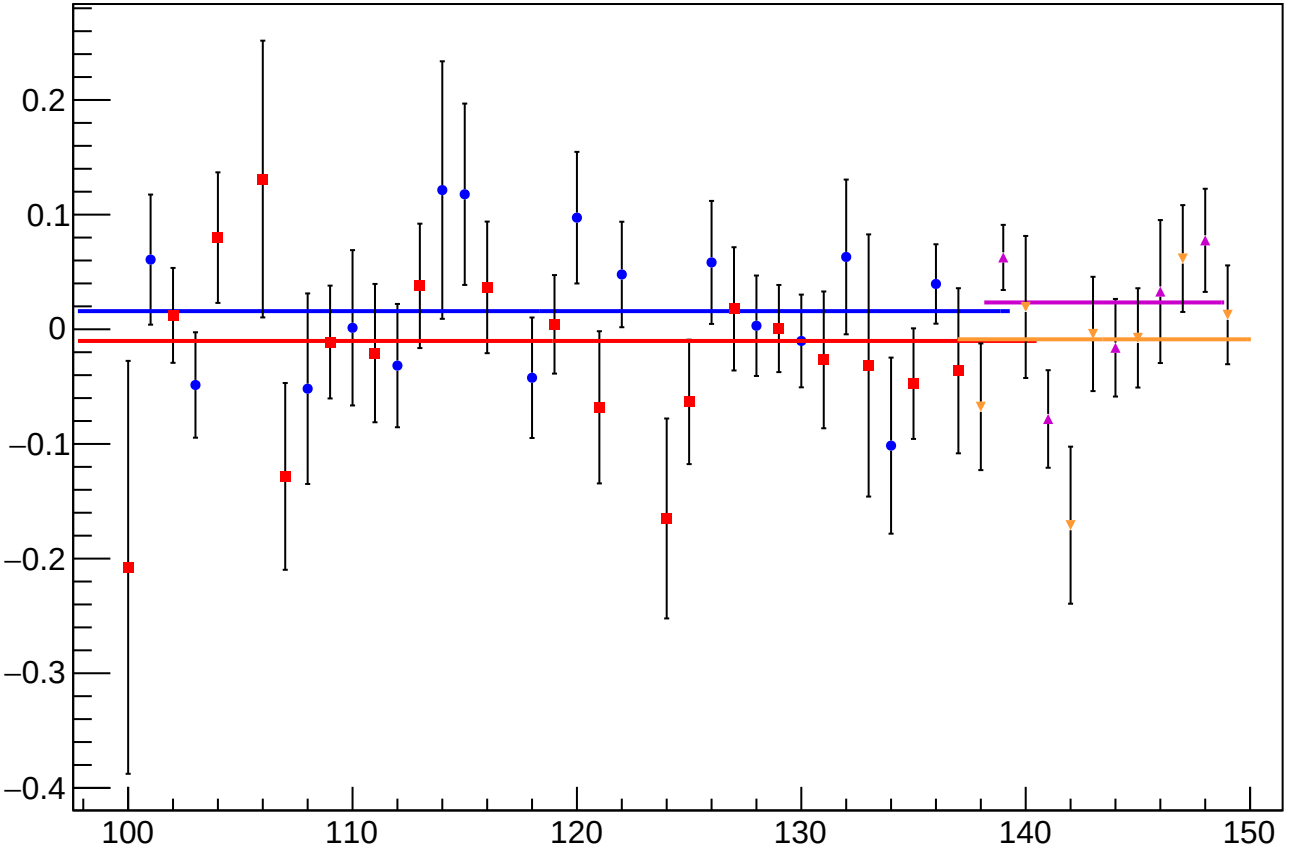
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.584+/-0.008 χ^2/NDF:900333.3/20

Out: 36.778+/-0.008 χ^2/NDF:1031646.3/25

All: 35.668+/-0.005 χ^2/NDF: 1973219.1/46

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: -0.009+/-0.019 χ^2/NDF:9.5/6

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+/-0.013 χ^2/NDF: 20.9/11

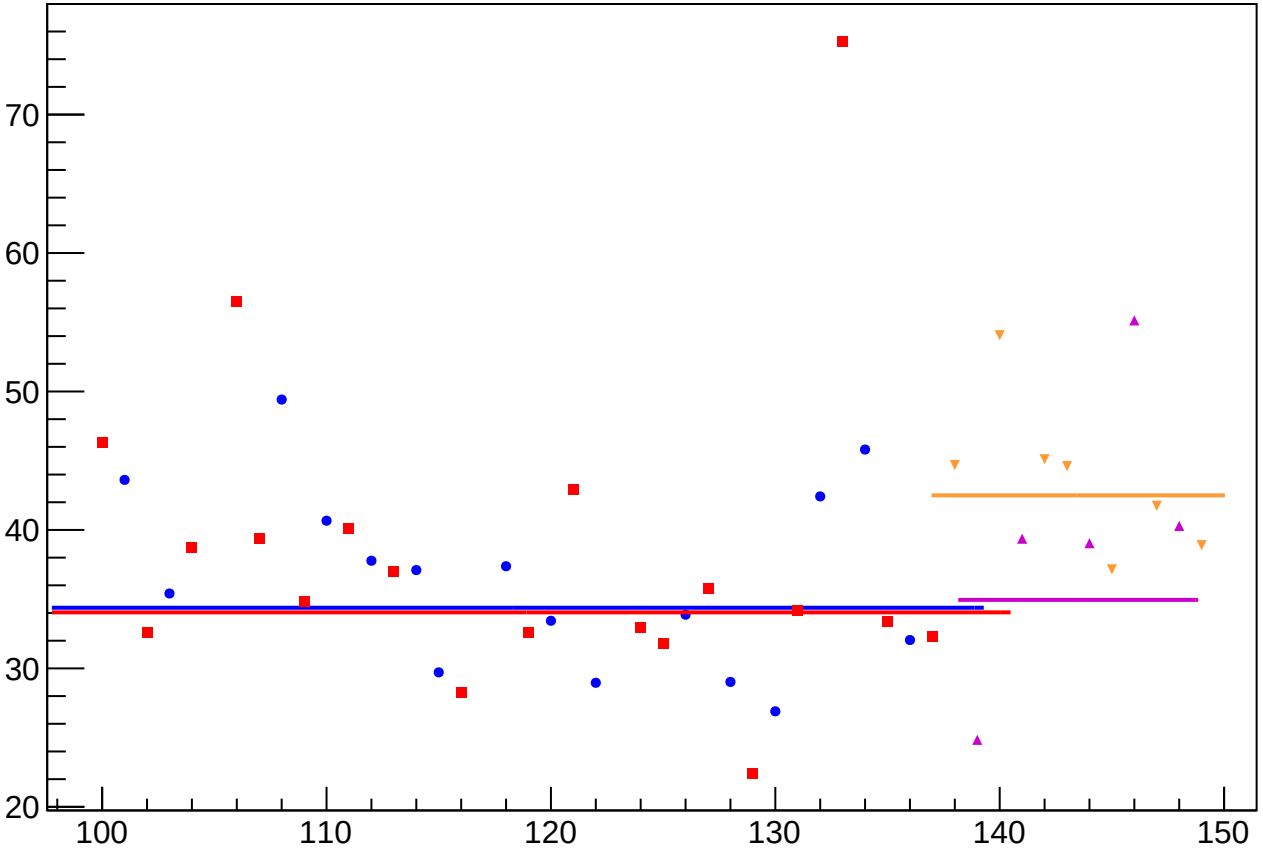
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.019+/-0.011 χ^2/NDF:24.8/20

Out: -0.010+/-0.011 χ^2/NDF:24.6/25

All: 0.005+/-0.008 χ^2/NDF: 52.9/46

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: 42.499+/-0.014 χ^2/NDF:124277.1/6

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.949+/-0.013 χ^2/NDF:531111.5/4

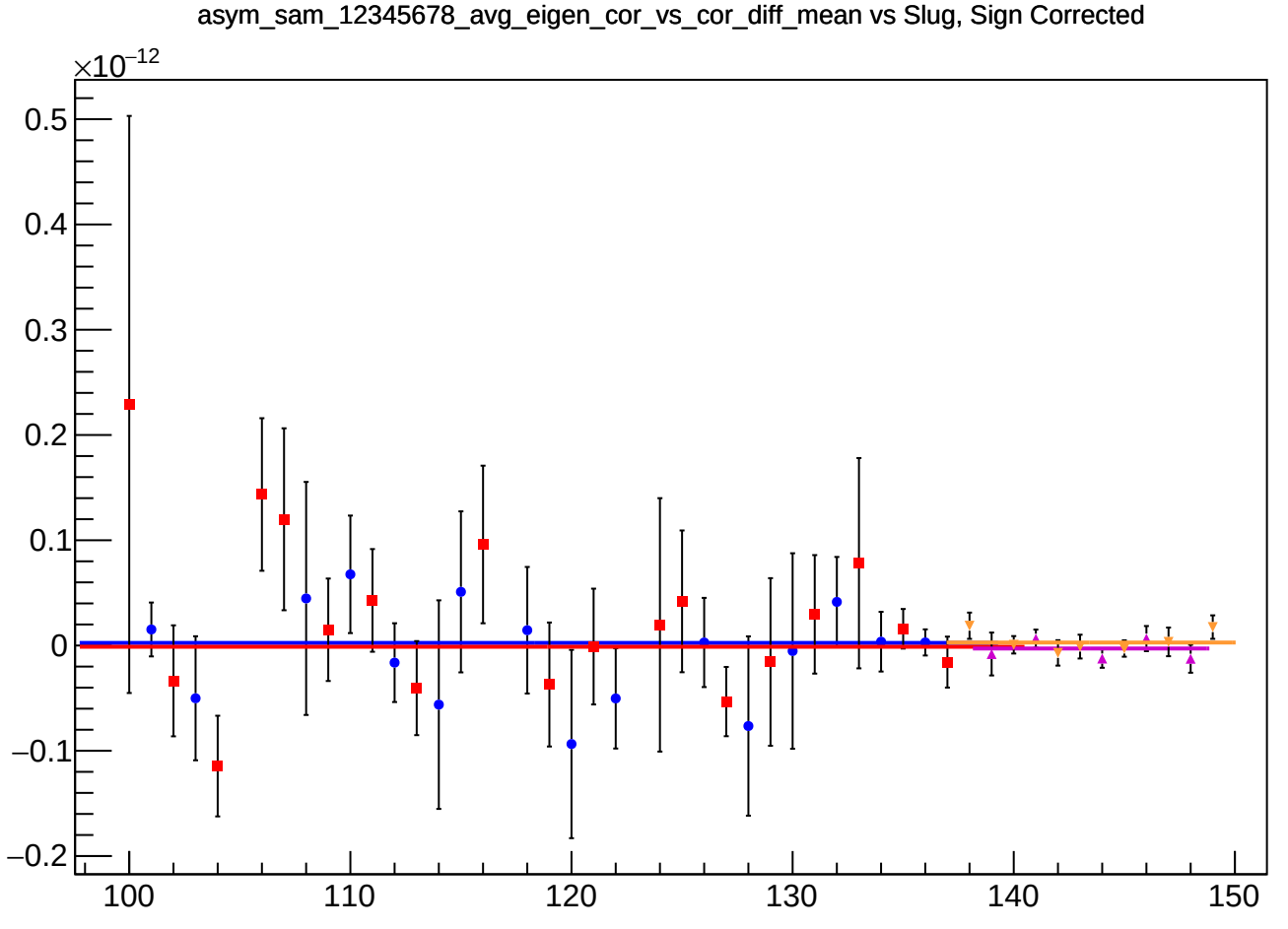
Left: 38.491+/-0.009 χ^2/NDF: 820985.3/11

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.584+/-0.008 χ^2/NDF:900333.3/20

Out: 36.778+/-0.008 χ^2/NDF:1031646.3/25

All: 35.668+/-0.005 χ^2/NDF: 1973219.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/4

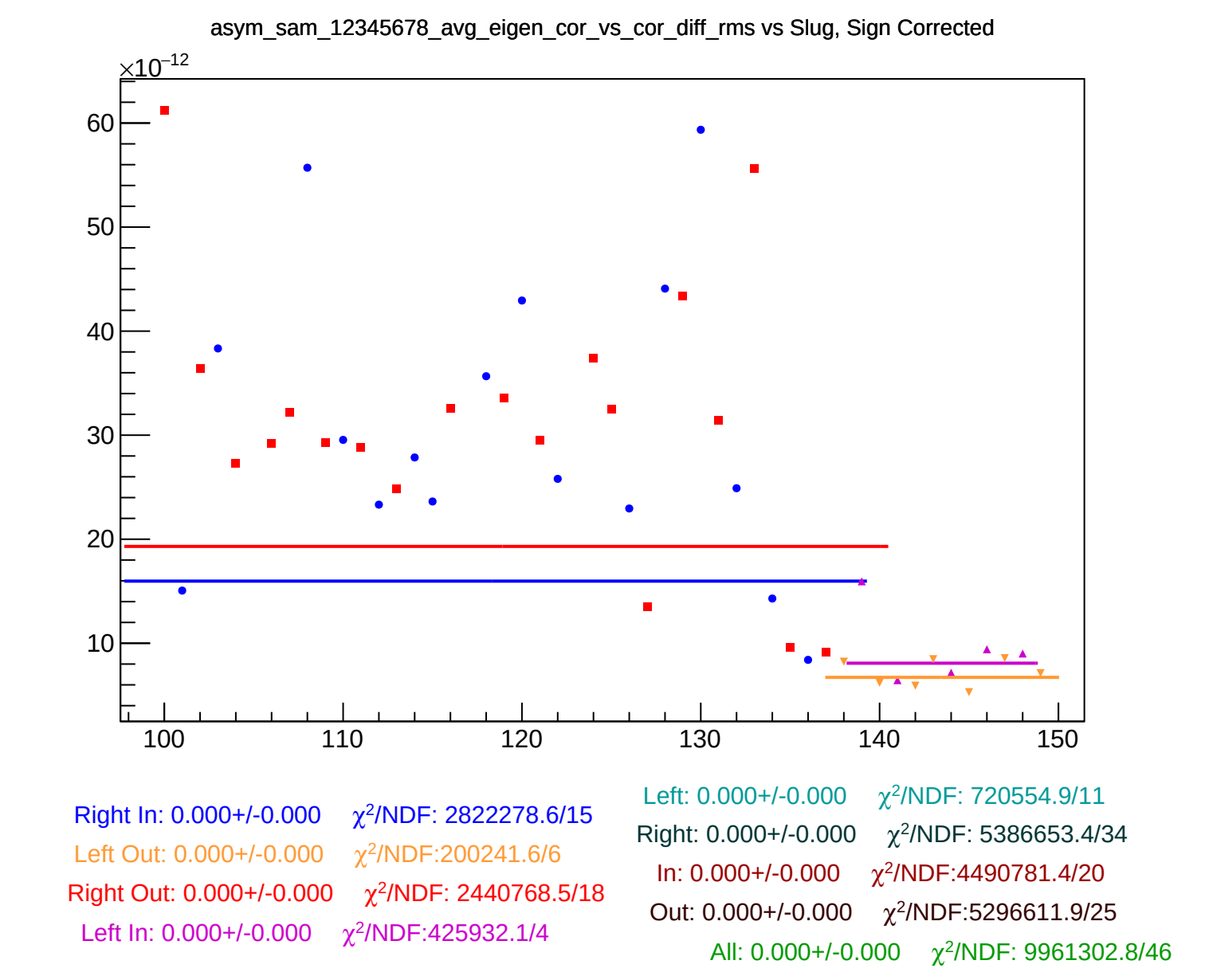
Left: 0.000+/-0.000 χ^2/NDF: 9.1/11

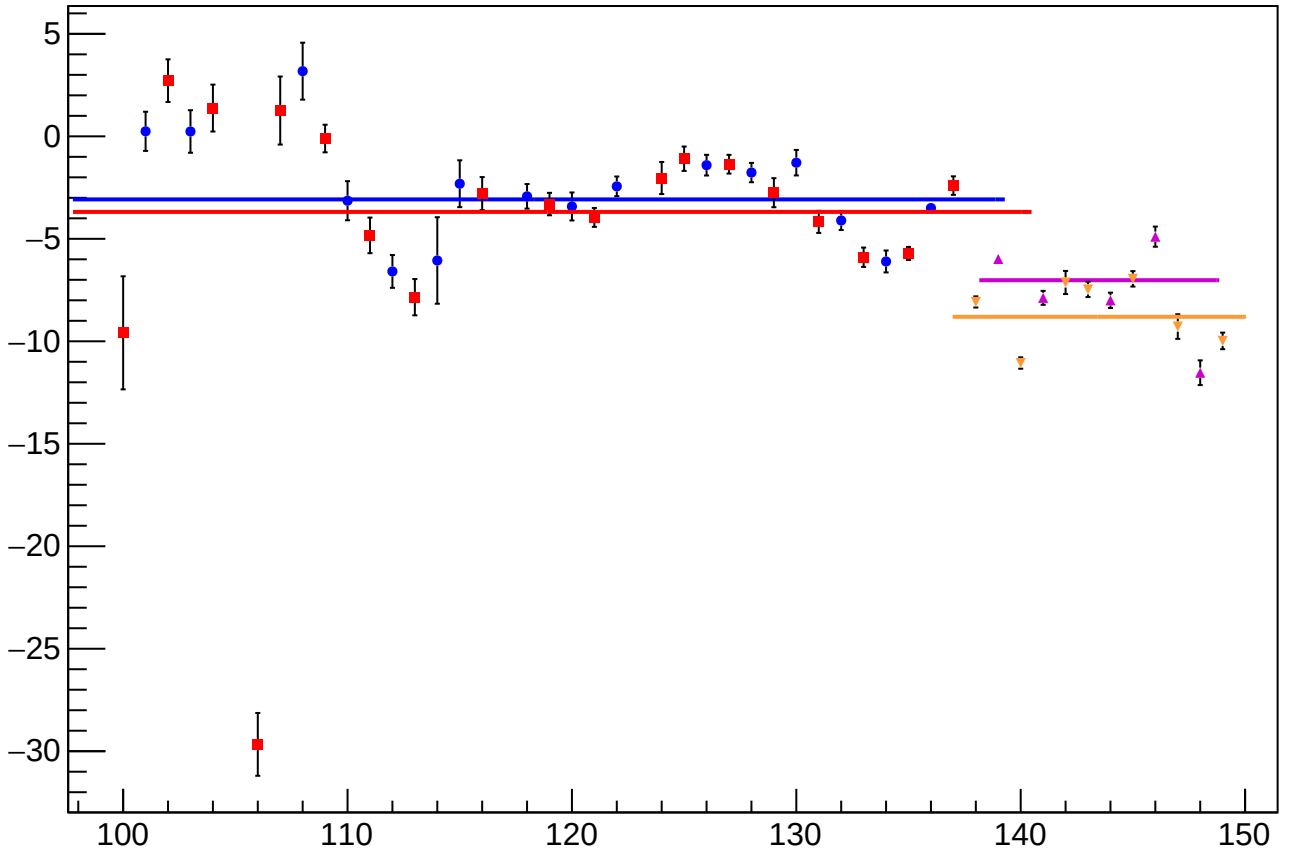
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:11.5/20

Out: 0.000+/-0.000 χ^2/NDF:26.4/25

All: 0.000+/-0.000 χ^2/NDF: 38.4/46


asym_sam_12345678_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: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:200241.6/6
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:425932.1/4
Left: 0.000+/-0.000 χ²/NDF: 720554.9/11
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4490781.4/20
Out: 0.000+/-0.000 χ²/NDF:5296611.9/25
All: 0.000+/-0.000 χ²/NDF: 9961302.8/46



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.806+/-0.138 χ^2/NDF:128.0/6

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.019+/-0.158 χ^2/NDF:106.5/4

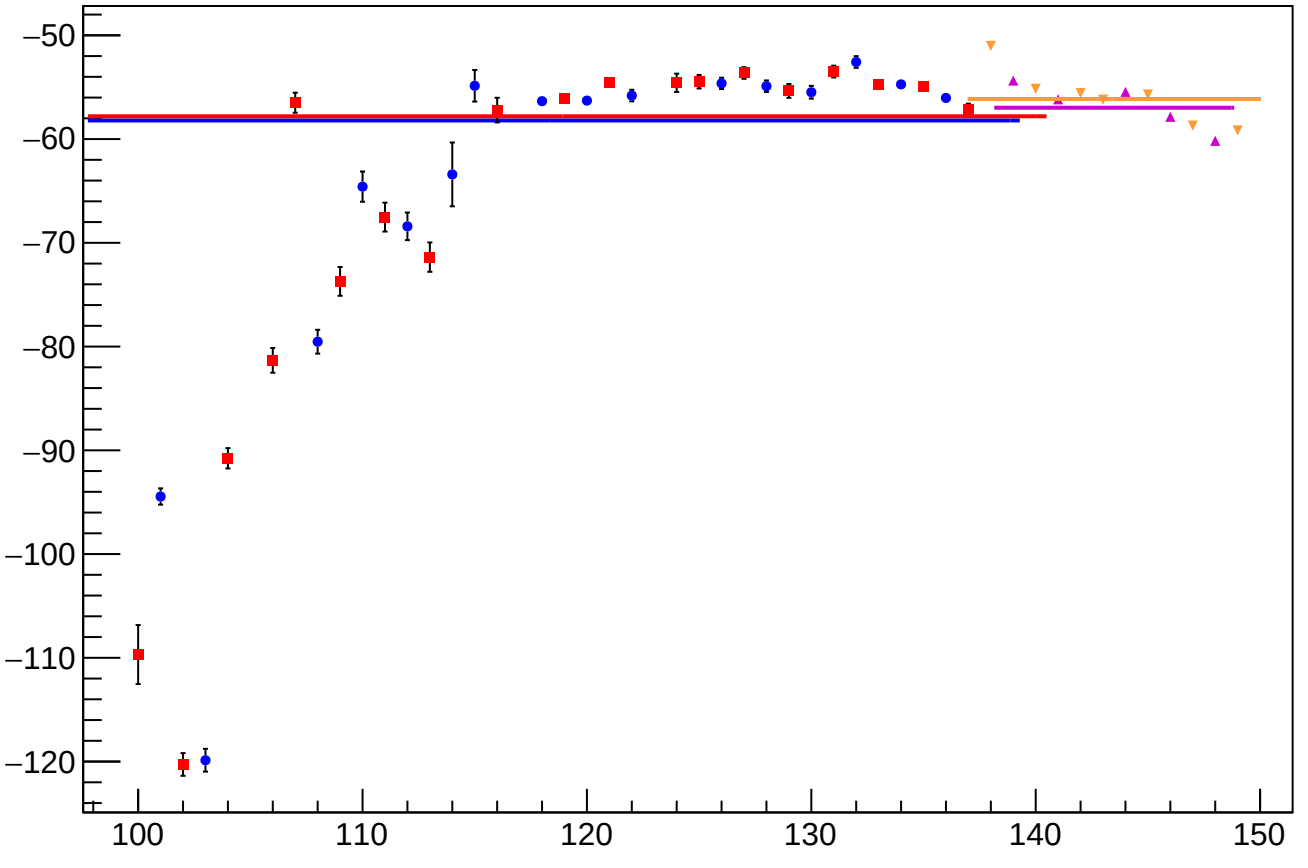
Left: -8.036+/-0.104 χ^2/NDF: 307.2/11

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.743+/-0.103 χ^2/NDF:599.5/20

Out: -6.294+/-0.098 χ^2/NDF:1341.7/25

All: -5.554+/-0.071 χ^2/NDF: 2060.3/46



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -56.135+/-0.108 χ^2/NDF:507.2/6

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -56.978+/-0.133 χ^2/NDF:203.4/4

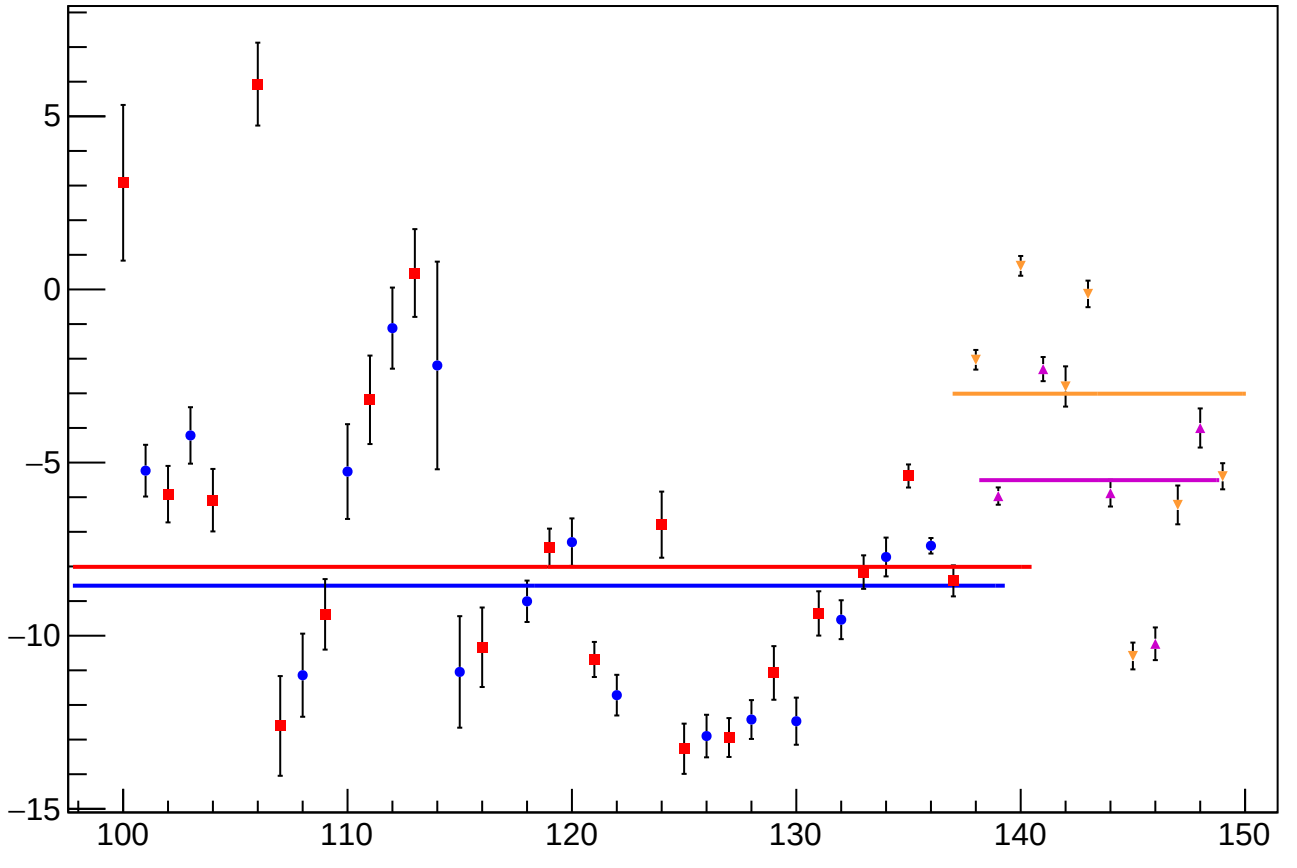
Left: -56.468+/-0.084 χ^2/NDF: 734.8/11

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.581+/-0.095 χ^2/NDF:6372.0/20

Out: -56.764+/-0.085 χ^2/NDF:6390.4/25

All: -57.127+/-0.063 χ^2/NDF: 12803.4/46



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -3.011+/-0.140 χ^2/NDF:692.1/6

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.507+/-0.161 χ^2/NDF:196.2/4

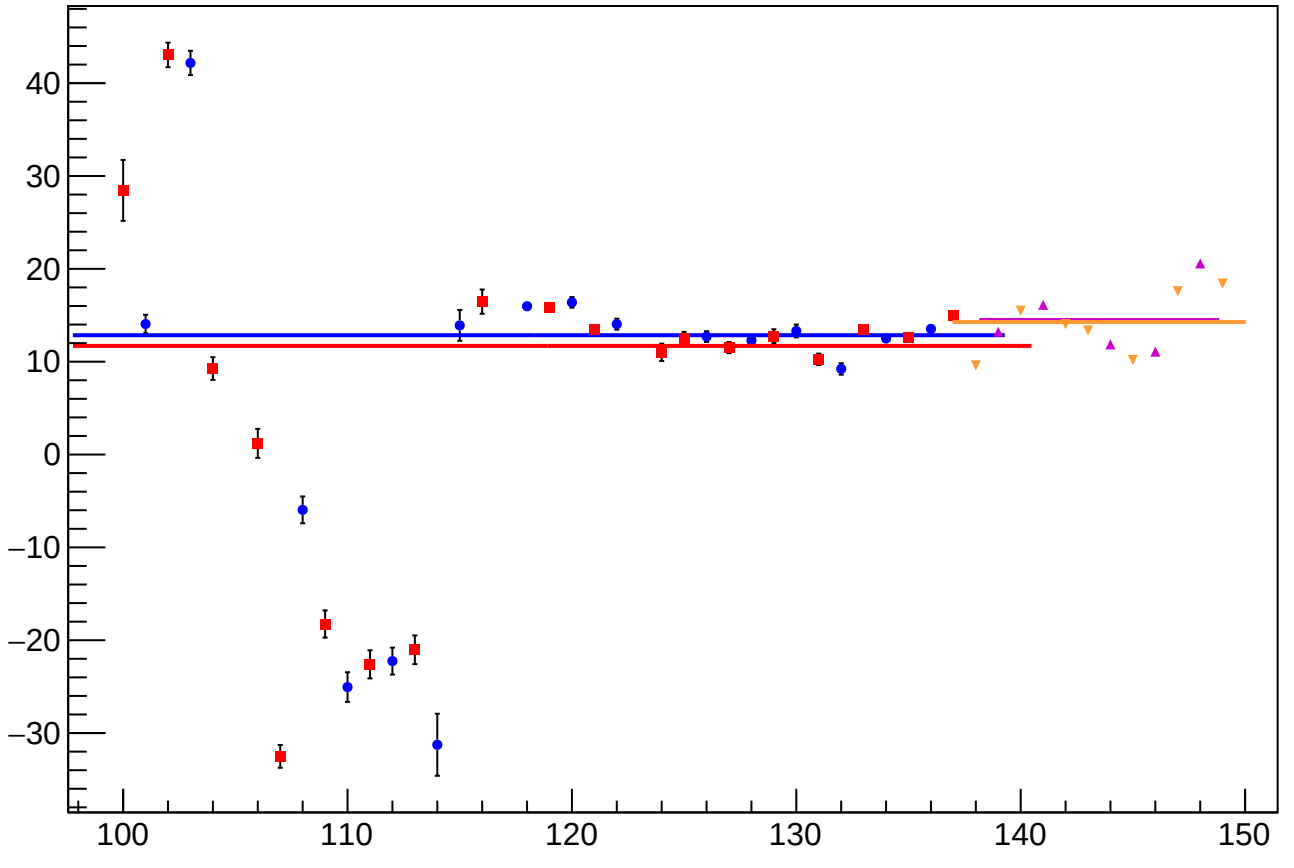
Left: -4.081+/-0.106 χ^2/NDF: 1025.6/11

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.194+/-0.108 χ^2/NDF:695.0/20

Out: -5.283+/-0.103 χ^2/NDF:1764.7/25

All: -6.197+/-0.074 χ^2/NDF: 2624.1/46



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.270+/-0.128 χ^2/NDF:593.6/6

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 14.489+/-0.158 χ^2/NDF:416.4/4

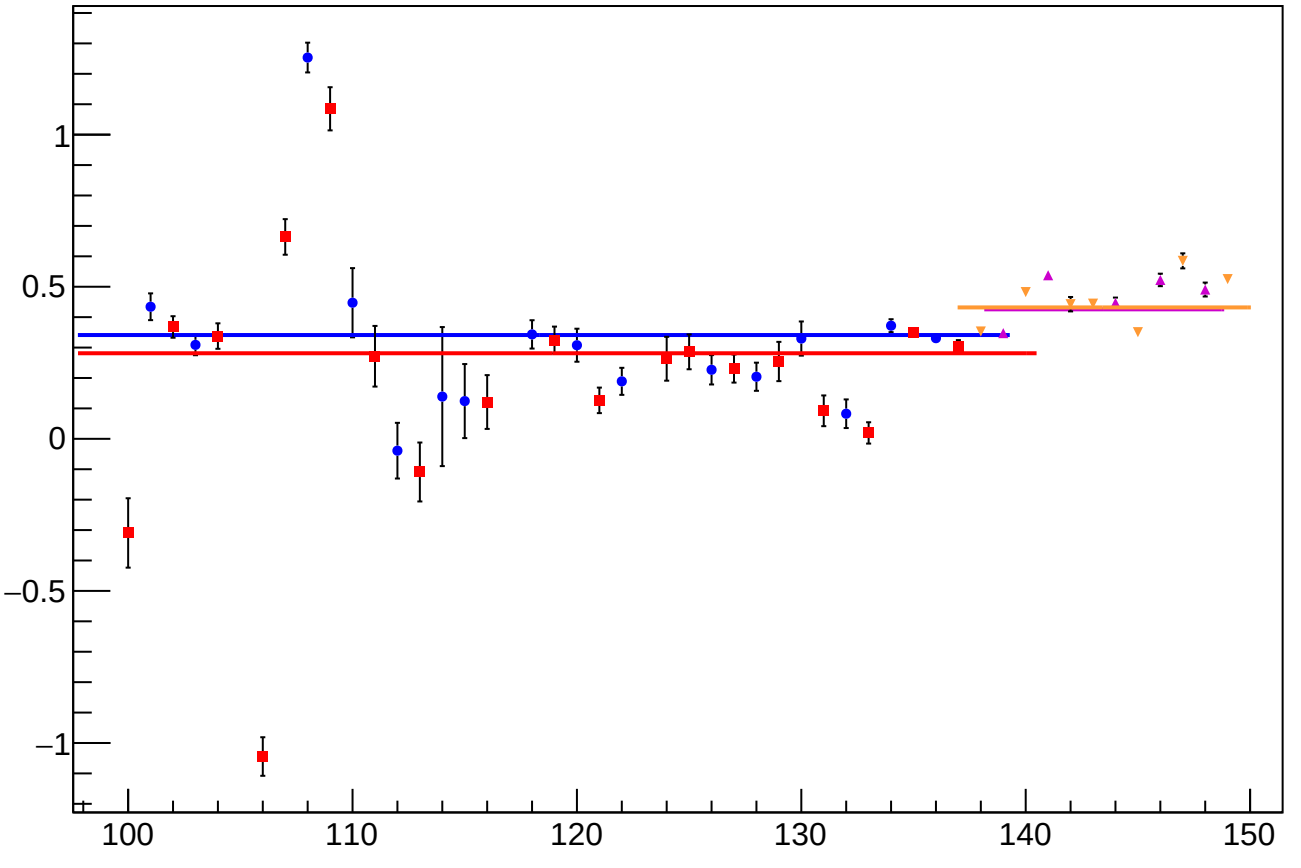
Left: 14.356+/-0.100 χ^2/NDF: 1011.2/11

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.628+/-0.109 χ^2/NDF:2600.9/20

Out: 13.226+/-0.099 χ^2/NDF:4255.6/25

All: 13.407+/-0.073 χ^2/NDF: 6864.0/46



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.432+/-0.006 χ^2/NDF:170.1/6

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.426+/-0.006 χ^2/NDF:170.9/4

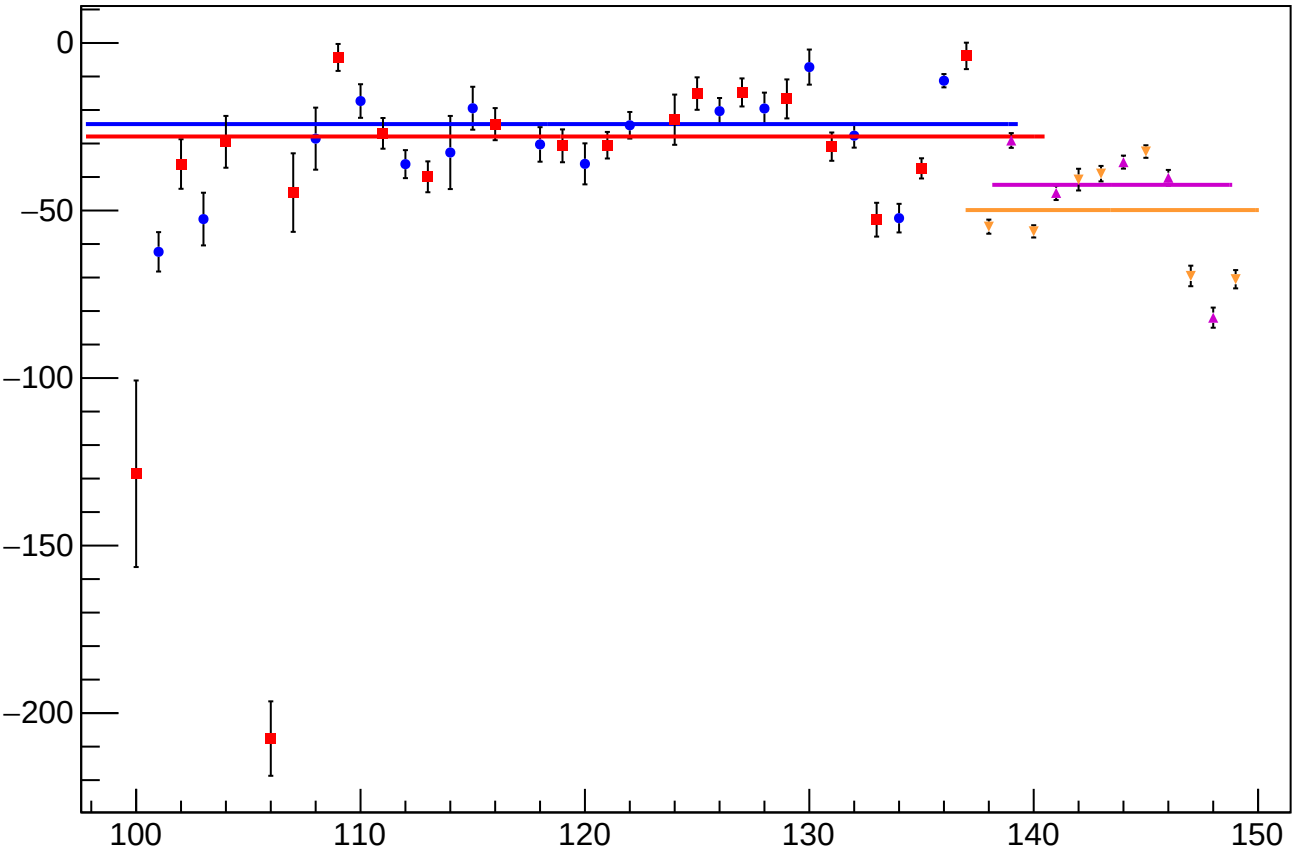
Left: 0.429+/-0.004 χ^2/NDF: 341.5/11

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.393+/-0.005 χ^2/NDF:675.8/20

Out: 0.384+/-0.005 χ^2/NDF:1164.3/25

All: 0.388+/-0.003 χ^2/NDF: 1841.5/46



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.865+/-0.867 χ^2/NDF:232.5/6

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -42.335+/-1.008 χ^2/NDF:224.2/4

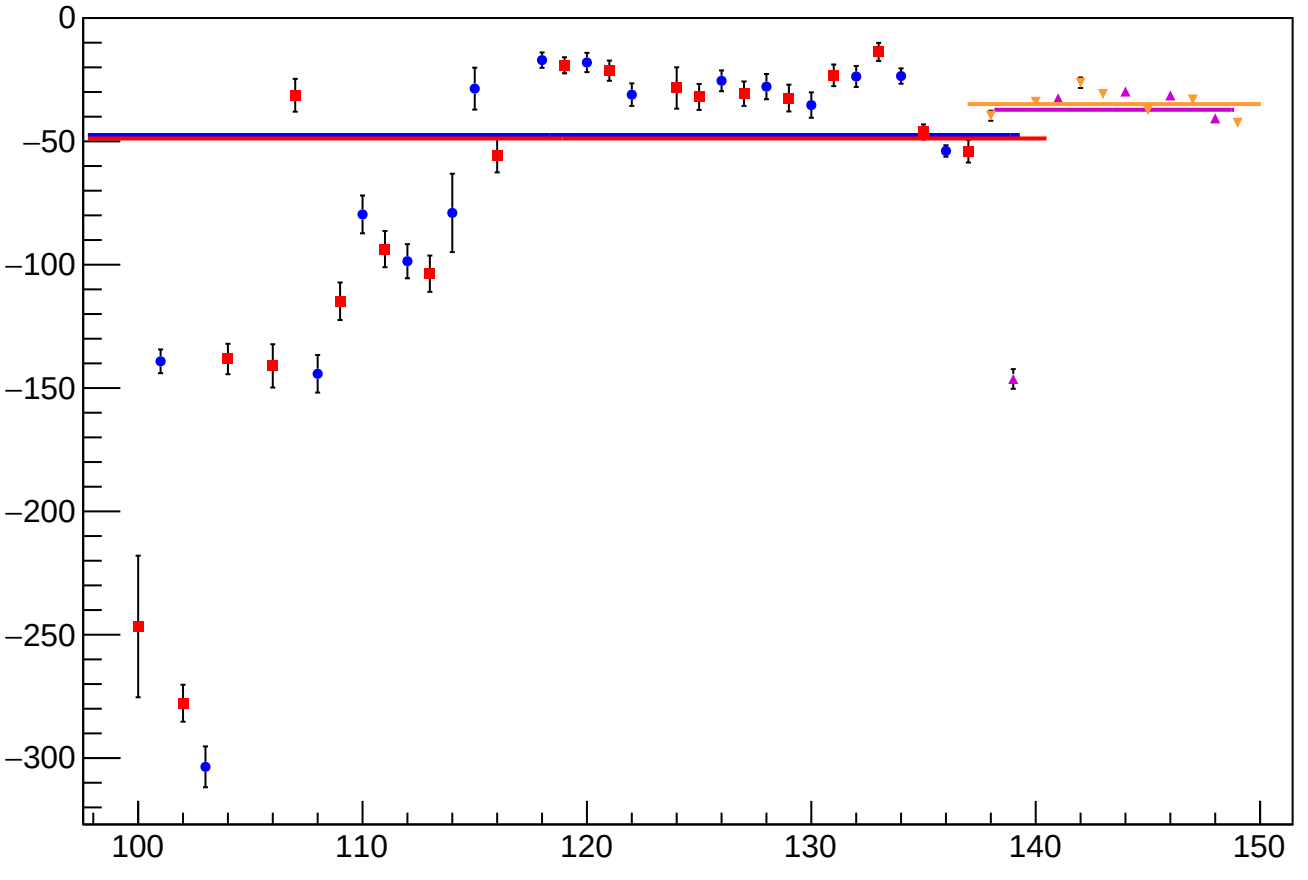
Left: -46.662+/-0.657 χ^2/NDF: 488.9/11

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -33.950+/-0.739 χ^2/NDF:544.7/20

Out: -41.792+/-0.689 χ^2/NDF:881.8/25

All: -38.142+/-0.504 χ^2/NDF: 1486.7/46



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.888+/-0.632 χ^2/NDF:51.7/6

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -37.193+/-0.712 χ^2/NDF:808.9/4

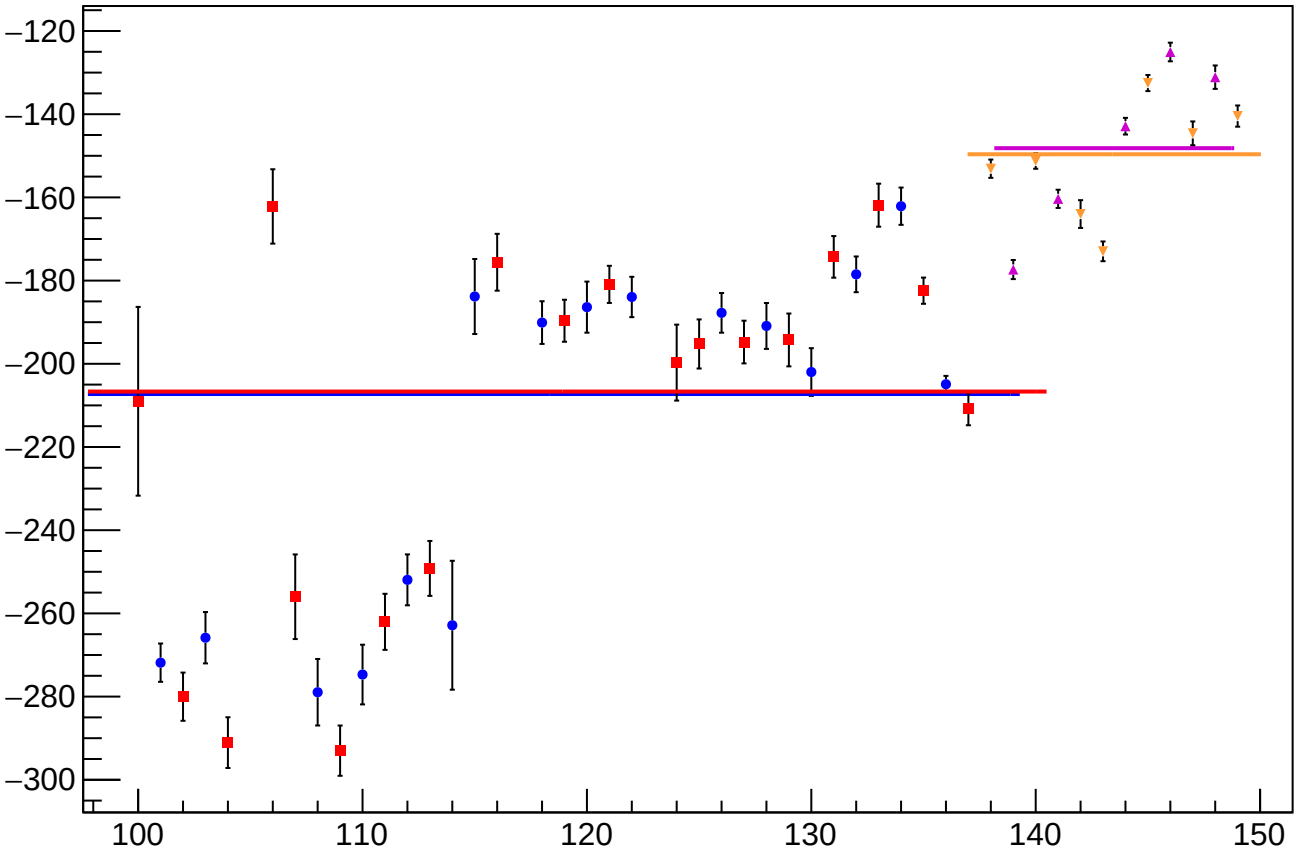
Left: -35.904+/-0.472 χ^2/NDF: 866.5/11

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.207+/-0.598 χ^2/NDF:2743.2/20

Out: -37.983+/-0.557 χ^2/NDF:1934.5/25

All: -39.017+/-0.408 χ^2/NDF: 4685.2/46



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -149.632+/-0.877 χ^2/NDF:212.9/6

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -148.169+/-1.014 χ^2/NDF:342.7/4

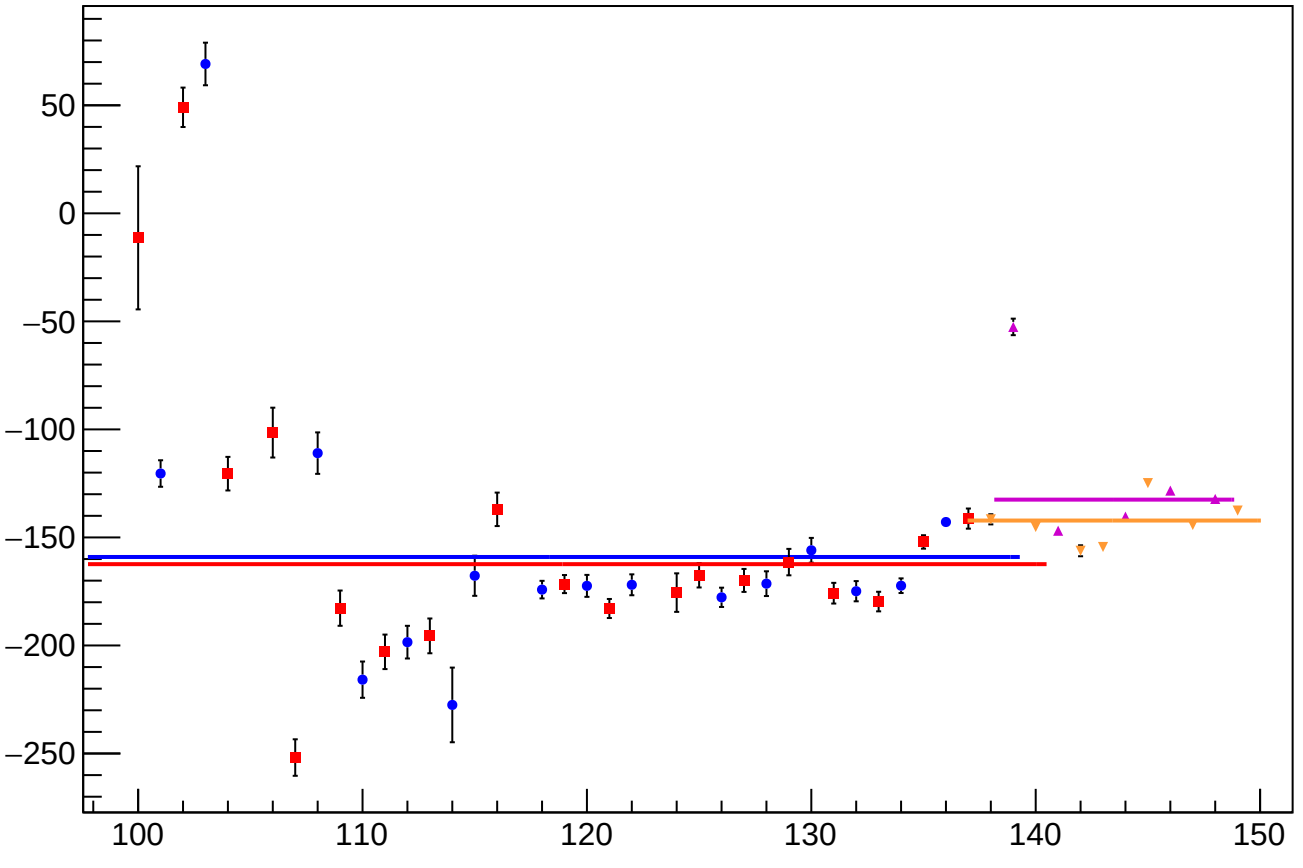
Left: -149.005+/-0.663 χ^2/NDF: 556.7/11

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -173.305+/-0.768 χ^2/NDF:2536.7/20

Out: -167.876+/-0.724 χ^2/NDF:2534.1/25

All: -170.427+/-0.527 χ^2/NDF: 5097.3/46



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -142.183+/-0.765 χ^2/NDF:174.5/6

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -132.505+/-0.876 χ^2/NDF:525.1/4

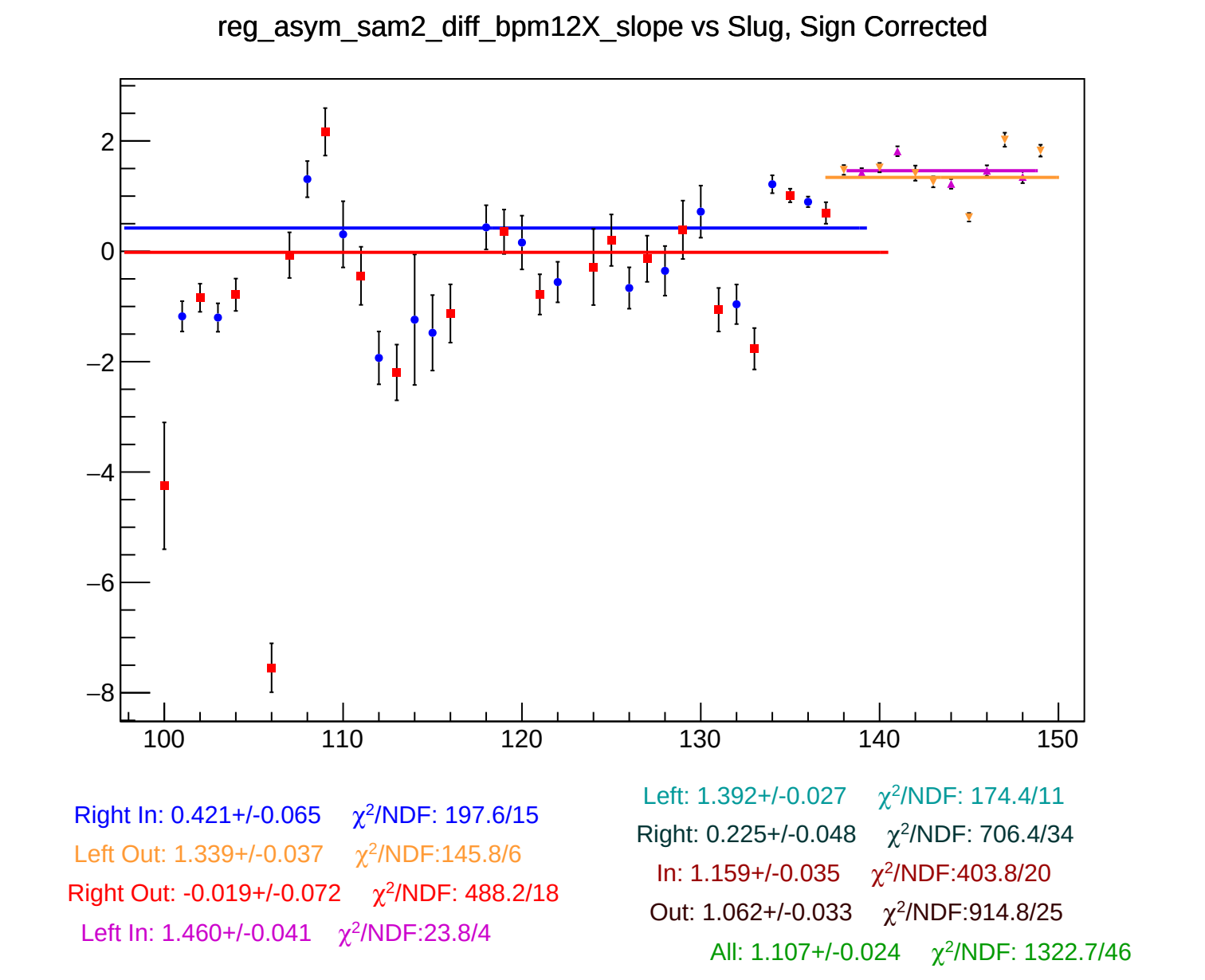
Left: -137.998+/-0.576 χ^2/NDF: 768.9/11

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

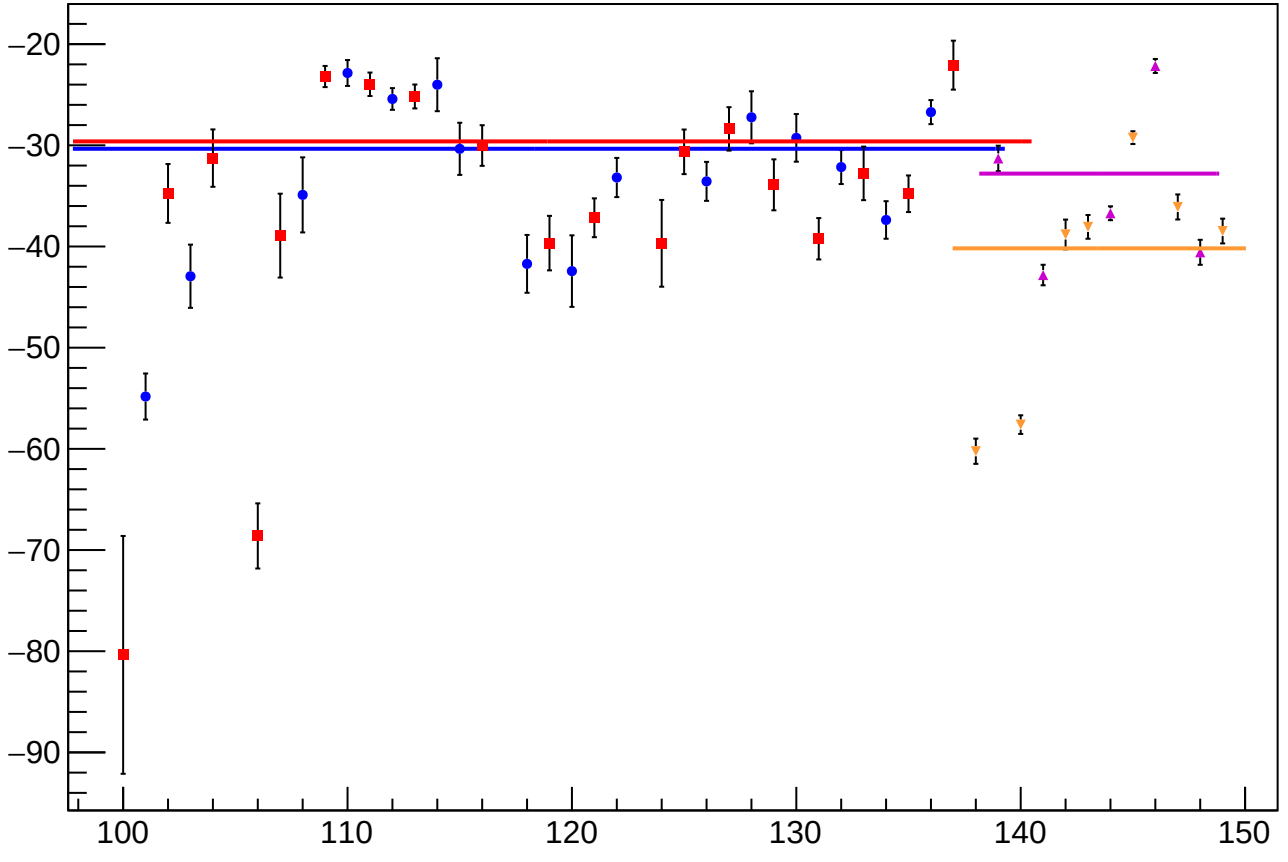
In: -141.485+/-0.713 χ^2/NDF:1651.3/20

Out: -147.234+/-0.662 χ^2/NDF:1221.4/25

All: -144.570+/-0.485 χ^2/NDF: 2907.6/46


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: 1.339+/-0.037 χ²/NDF:145.8/6
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.460+/-0.041 χ²/NDF:23.8/4
Left: 1.392+/-0.027 χ²/NDF: 174.4/11
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.159+/-0.035 χ²/NDF:403.8/20
Out: 1.062+/-0.033 χ²/NDF:914.8/25
All: 1.107+/-0.024 χ²/NDF: 1322.7/46

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.183+/-0.382 χ^2/NDF:933.3/6

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -32.796+/-0.393 χ^2/NDF:408.4/4

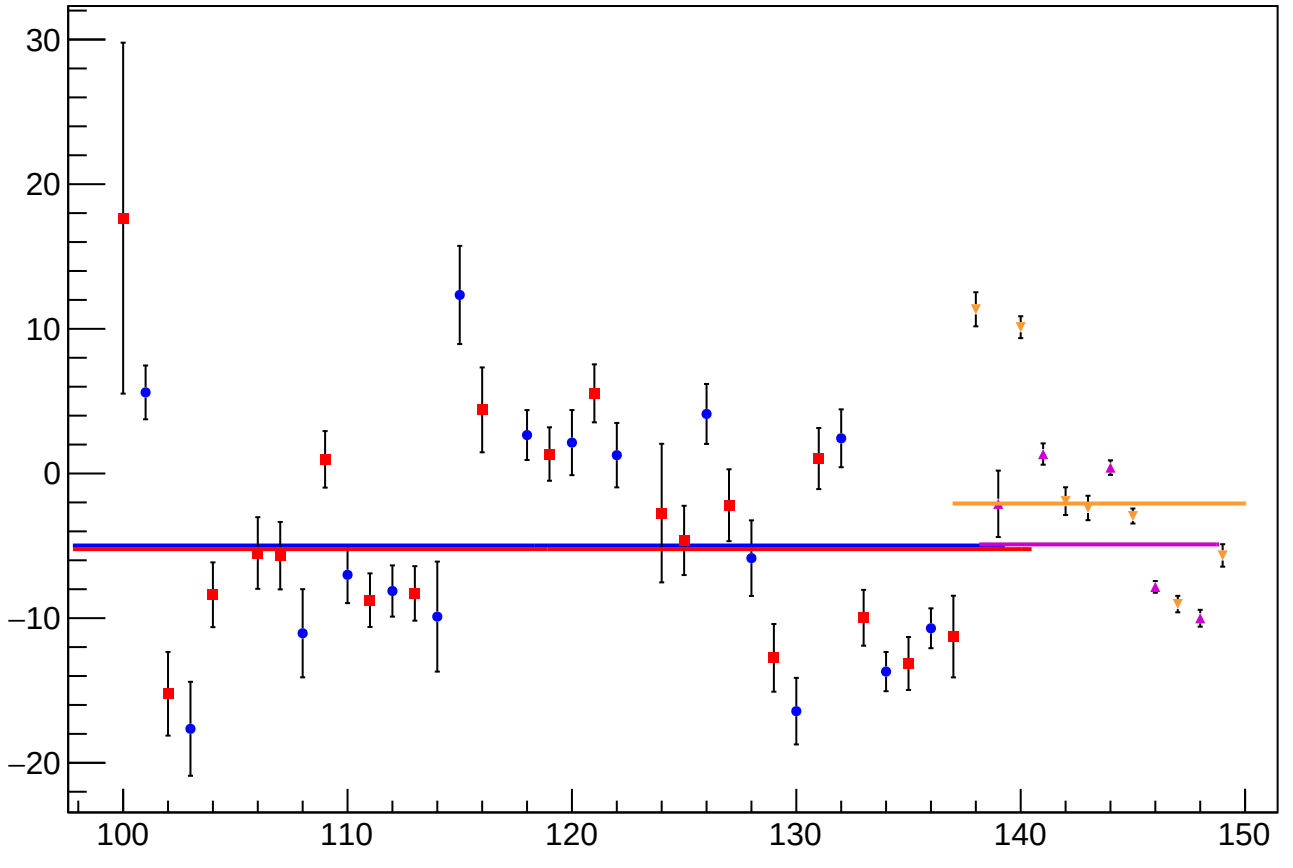
Left: -36.586+/-0.274 χ^2/NDF: 1523.4/11

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -31.782+/-0.301 χ^2/NDF:678.1/20

Out: -35.755+/-0.292 χ^2/NDF:1582.5/25

All: -33.830+/-0.209 χ^2/NDF: 2350.6/46



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.076+/-0.273 χ^2/NDF:563.2/6

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -4.901+/-0.258 χ^2/NDF:314.1/4

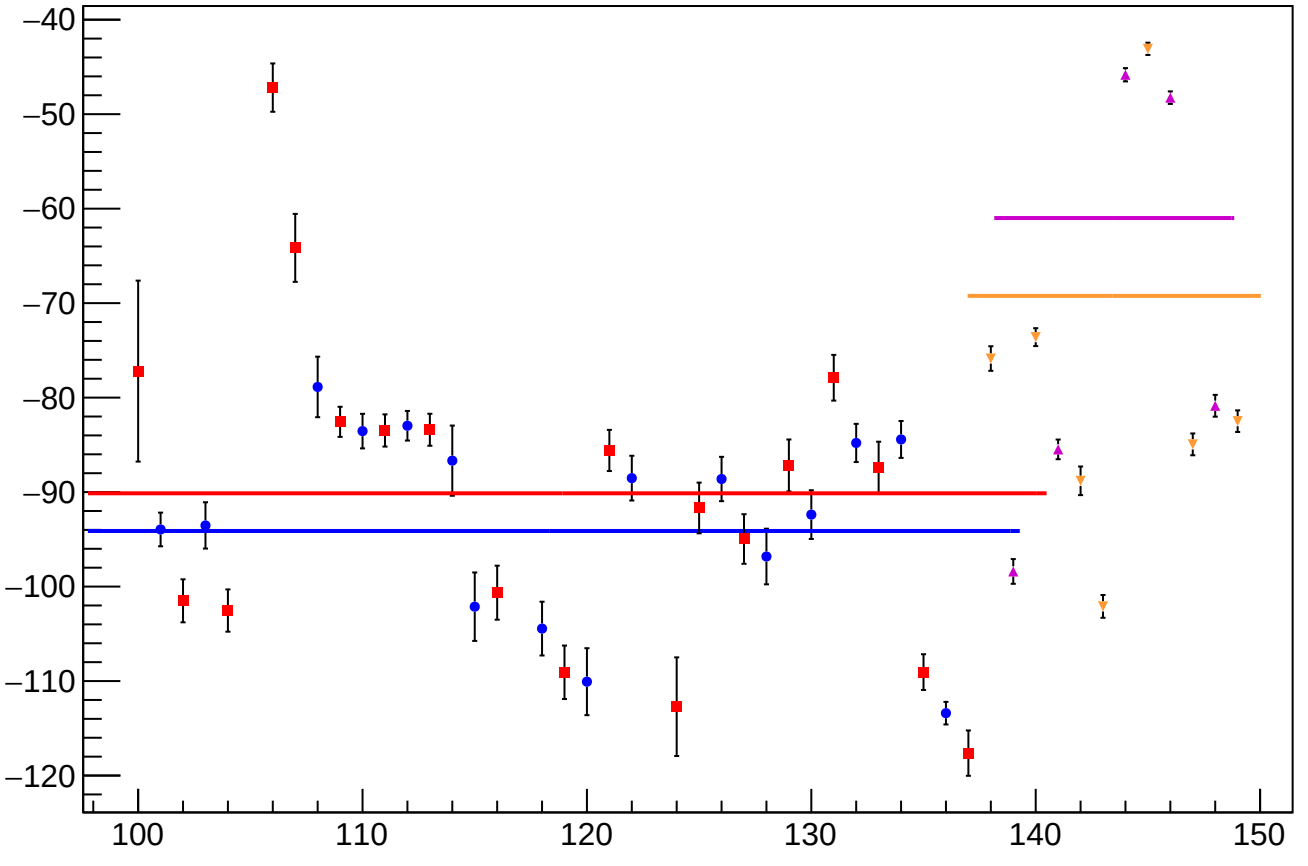
Left: -3.568+/-0.187 χ^2/NDF: 933.9/11

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.917+/-0.230 χ^2/NDF:551.4/20

Out: -2.749+/-0.242 χ^2/NDF:728.1/25

All: -3.887+/-0.167 χ^2/NDF: 1321.8/46



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -69.231+/-0.386 χ^2/NDF:2891.8/6

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -60.992+/-0.391 χ^2/NDF:2493.9/4

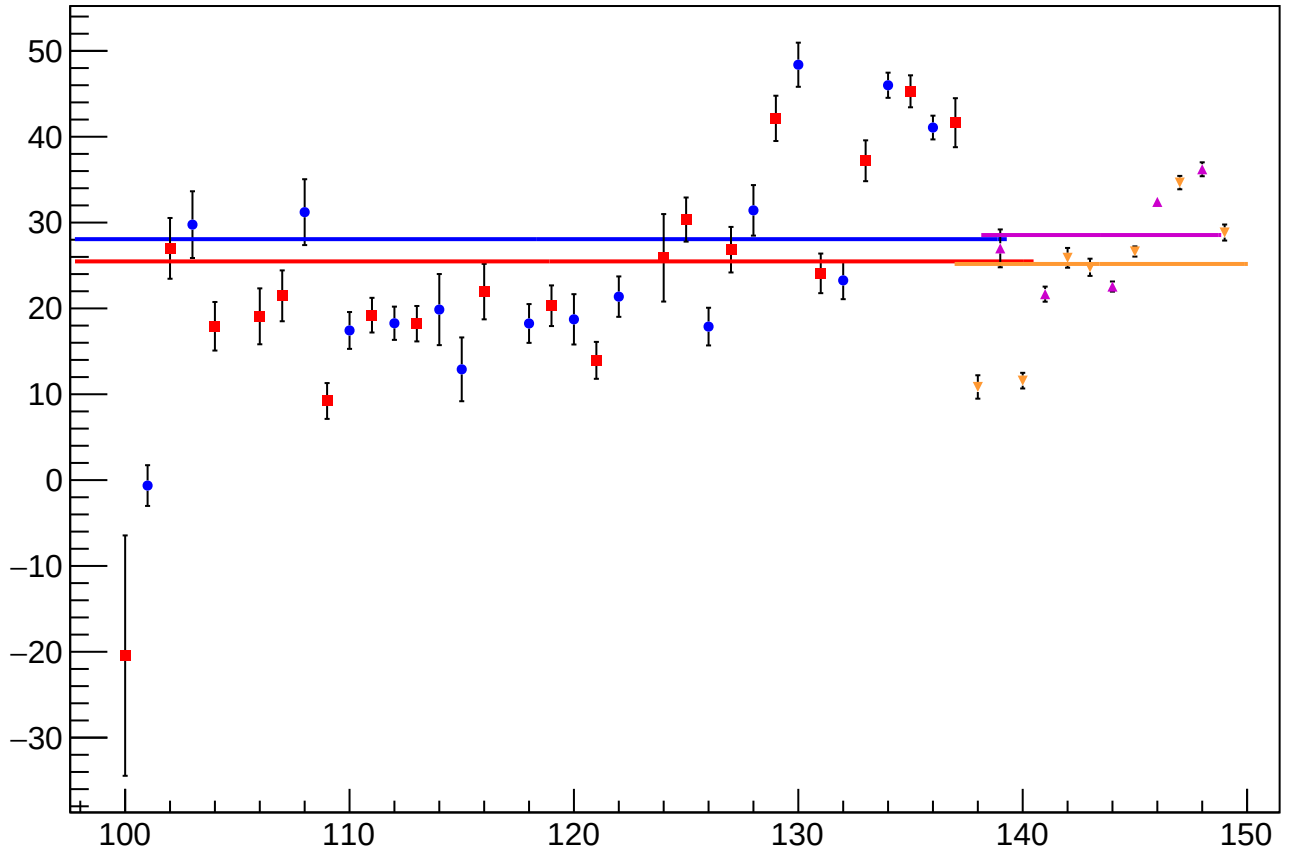
Left: -65.168+/-0.275 χ^2/NDF: 5610.2/11

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -72.486+/-0.316 χ^2/NDF:5444.9/20

Out: -76.250+/-0.315 χ^2/NDF:4664.8/25

All: -74.378+/-0.223 χ^2/NDF: 10180.9/46



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 25.179+/-0.331 χ^2/NDF:501.8/6

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 28.549+/-0.321 χ^2/NDF:311.4/4

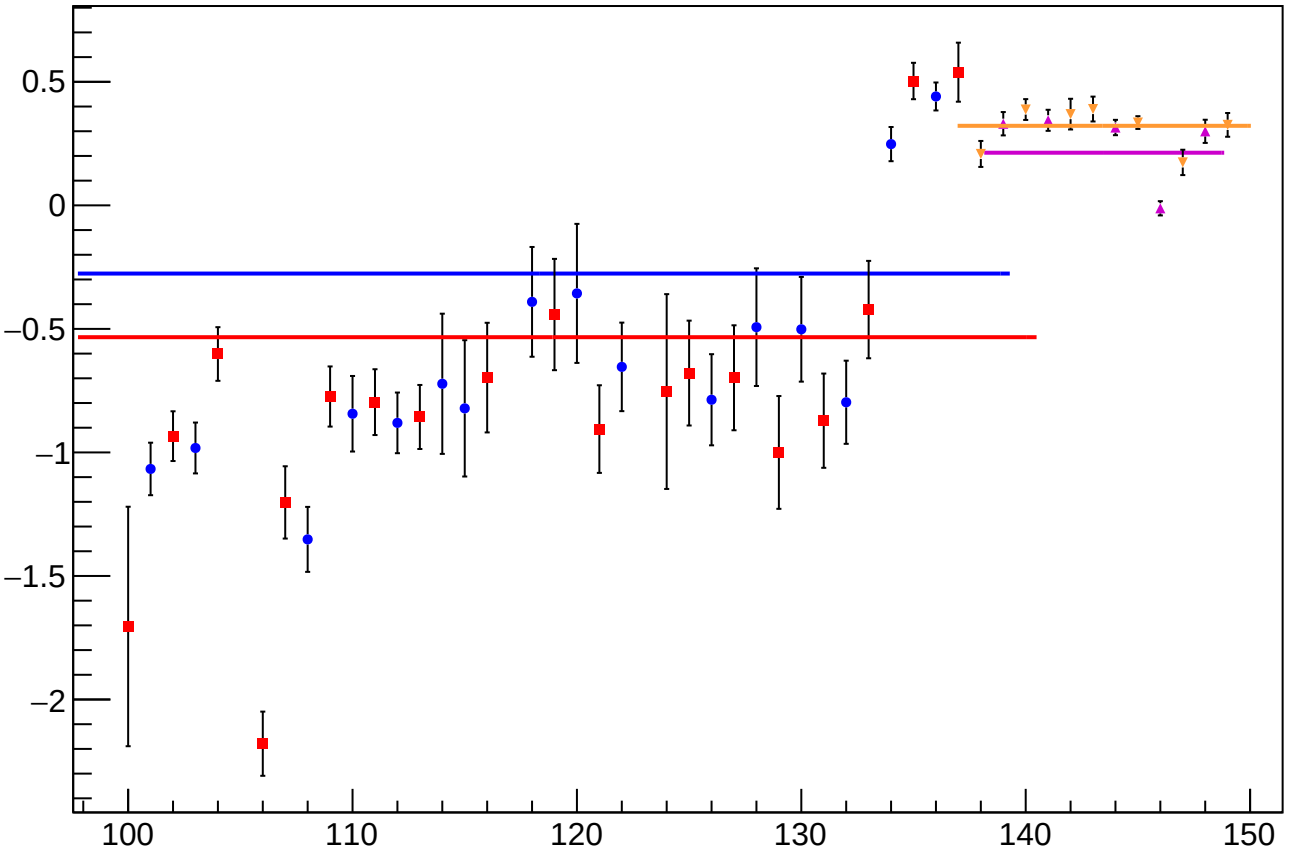
Left: 26.918+/-0.230 χ^2/NDF: 866.7/11

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.433+/-0.279 χ^2/NDF:895.0/20

Out: 25.250+/-0.289 χ^2/NDF:856.7/25

All: 26.894+/-0.201 χ^2/NDF: 1814.4/46



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.322+/-0.016 χ^2/NDF:18.1/6

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.213+/-0.016 χ^2/NDF:90.6/4

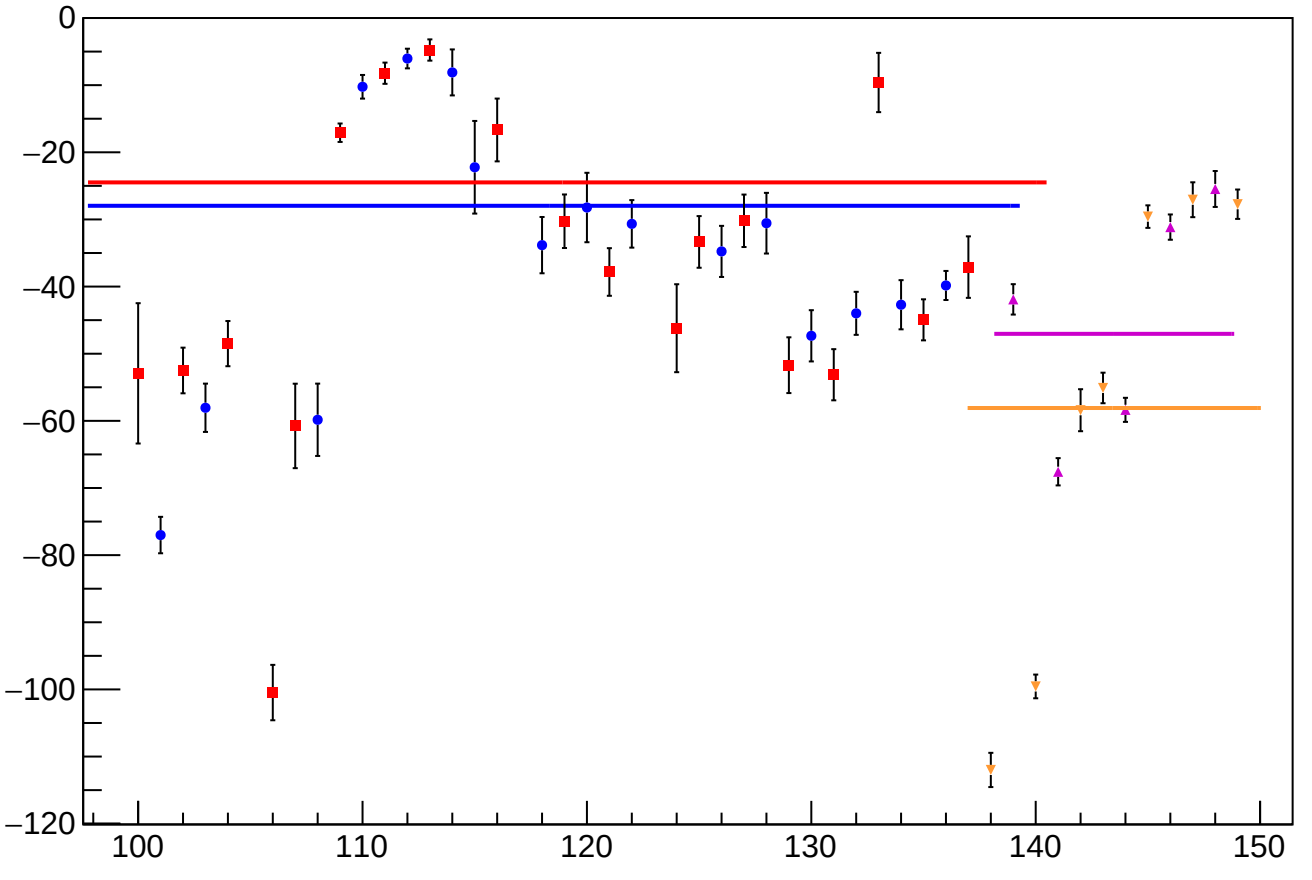
Left: 0.269+/-0.011 χ^2/NDF: 131.3/11

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.104+/-0.014 χ^2/NDF:744.0/20

Out: 0.157+/-0.014 χ^2/NDF:1076.3/25

All: 0.131+/-0.010 χ^2/NDF: 1827.3/46



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -58.086+/-0.822 χ^2/NDF:1623.6/6

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -47.040+/-0.924 χ^2/NDF:283.5/4

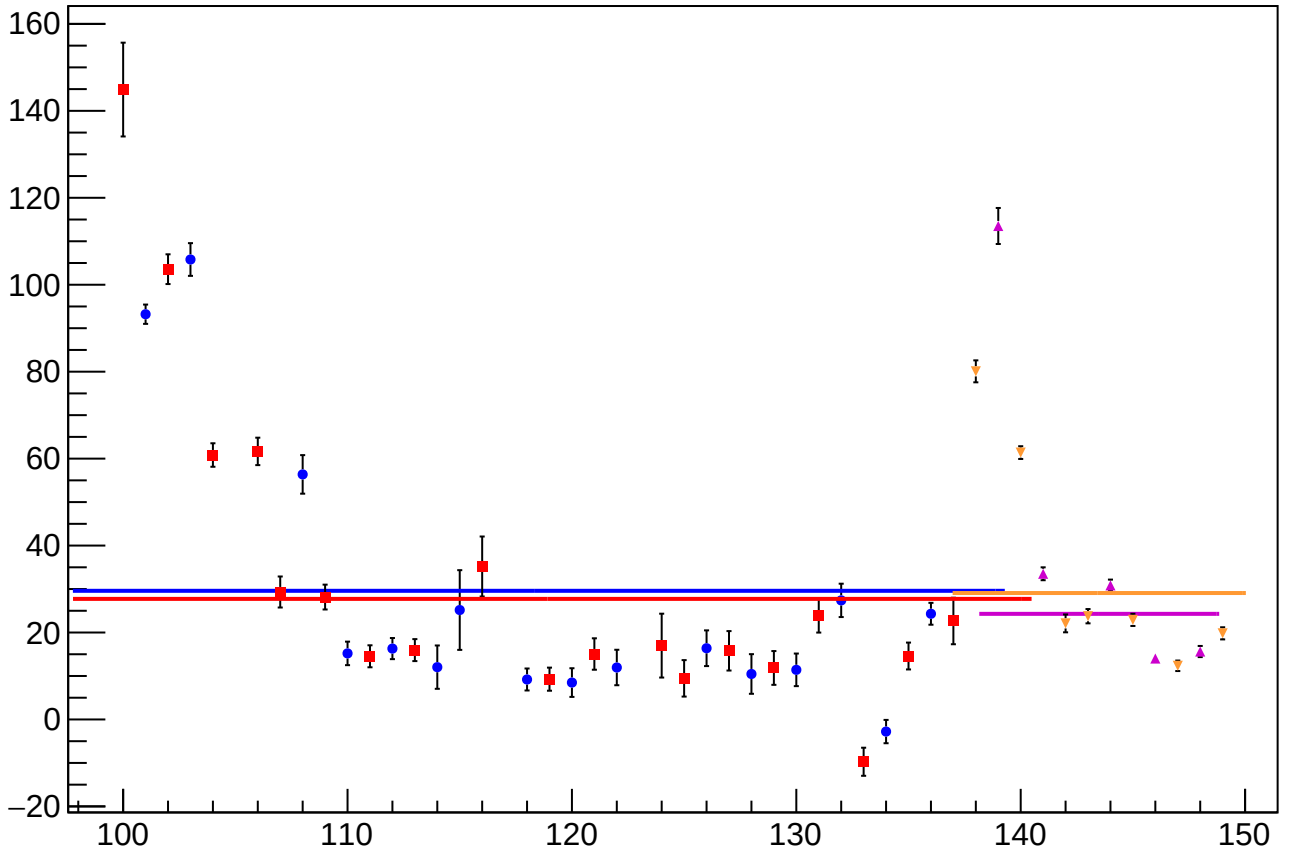
Left: -53.212+/-0.614 χ^2/NDF: 1986.9/11

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -35.263+/-0.572 χ^2/NDF:1441.0/20

Out: -37.735+/-0.516 χ^2/NDF:3626.5/25

All: -36.625+/-0.383 χ^2/NDF: 5077.9/46



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 29.084+/-0.584 χ^2/NDF:1170.7/6

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 24.294+/-0.639 χ^2/NDF:652.9/4

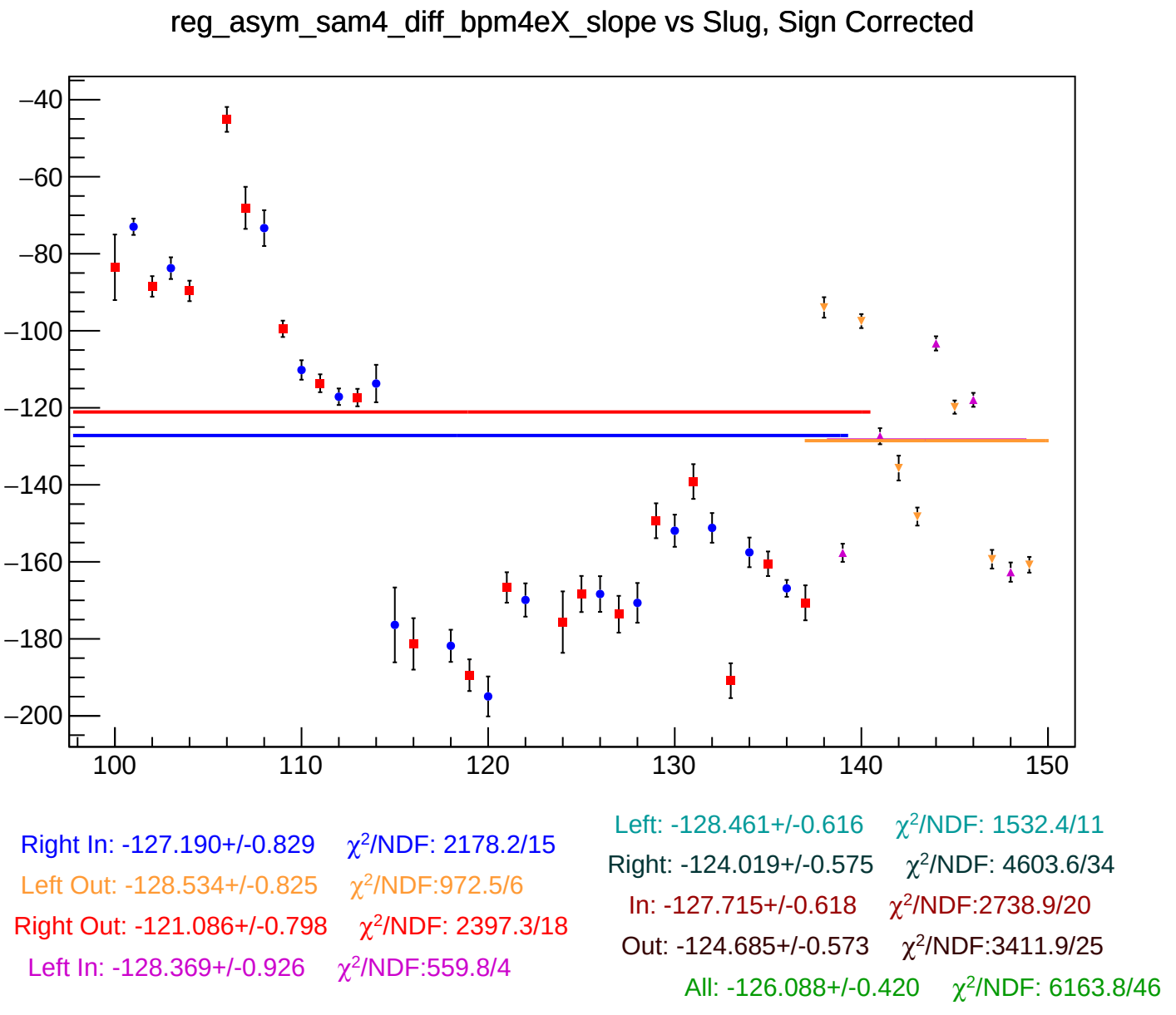
Left: 26.906+/-0.431 χ^2/NDF: 1854.2/11

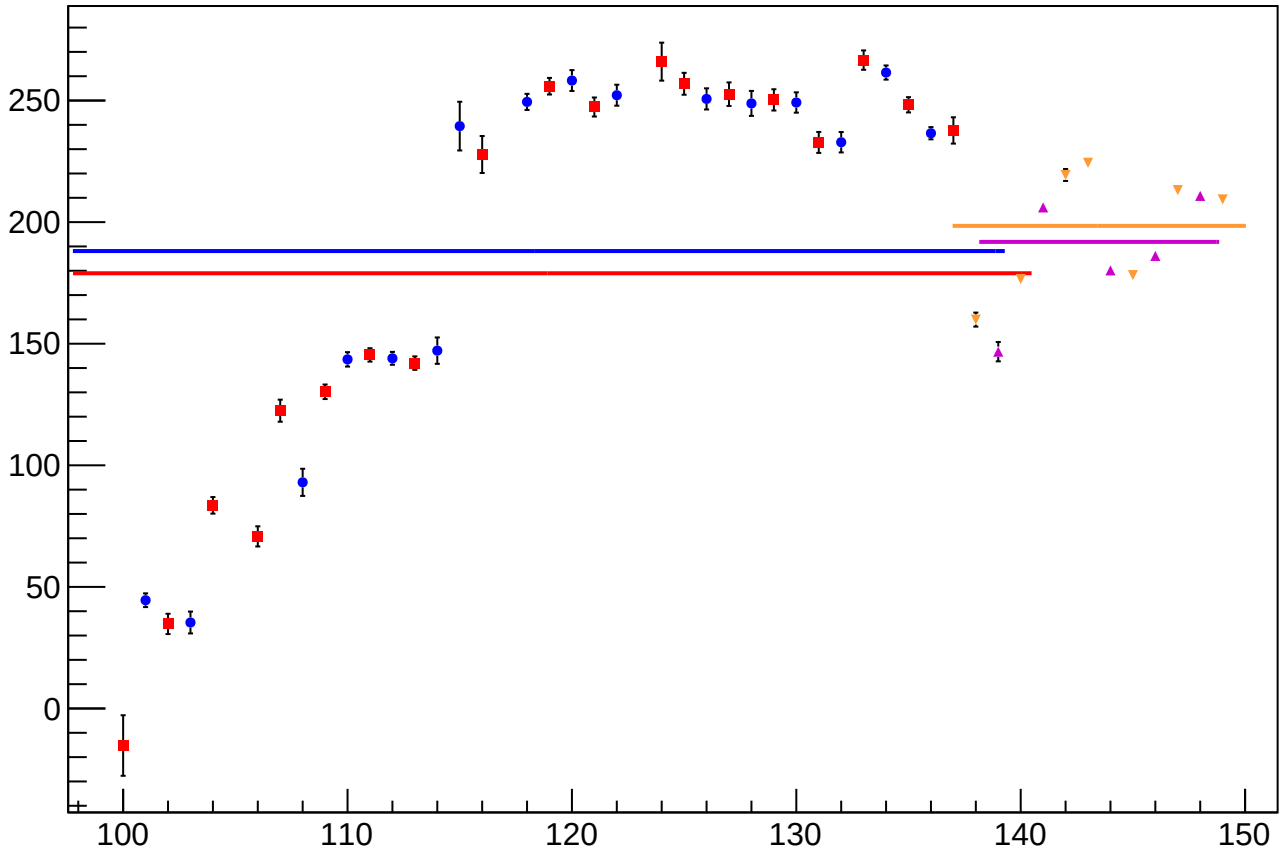
Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.336+/-0.501 χ^2/NDF:2345.1/20

Out: 28.614+/-0.471 χ^2/NDF:2357.6/25

All: 27.545+/-0.343 χ^2/NDF: 4713.7/46


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
110
120
130
140
150
Right In: -127.190+/-0.829 χ²/NDF: 2178.2/15
Left Out: -128.534+/-0.825 χ²/NDF:972.5/6
Right Out: -121.086+/-0.798 χ²/NDF: 2397.3/18
Left In: -128.369+/-0.926 χ²/NDF:559.8/4
Left: -128.461+/-0.616 χ²/NDF: 1532.4/11
Right: -124.019+/-0.575 χ²/NDF: 4603.6/34
In: -127.715+/-0.618 χ²/NDF:2738.9/20
Out: -124.685+/-0.573 χ²/NDF:3411.9/25
All: -126.088+/-0.420 χ²/NDF: 6163.8/46



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 198.464+/-0.709 χ^2/NDF:864.8/6

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 191.876+/-0.787 χ^2/NDF:380.7/4

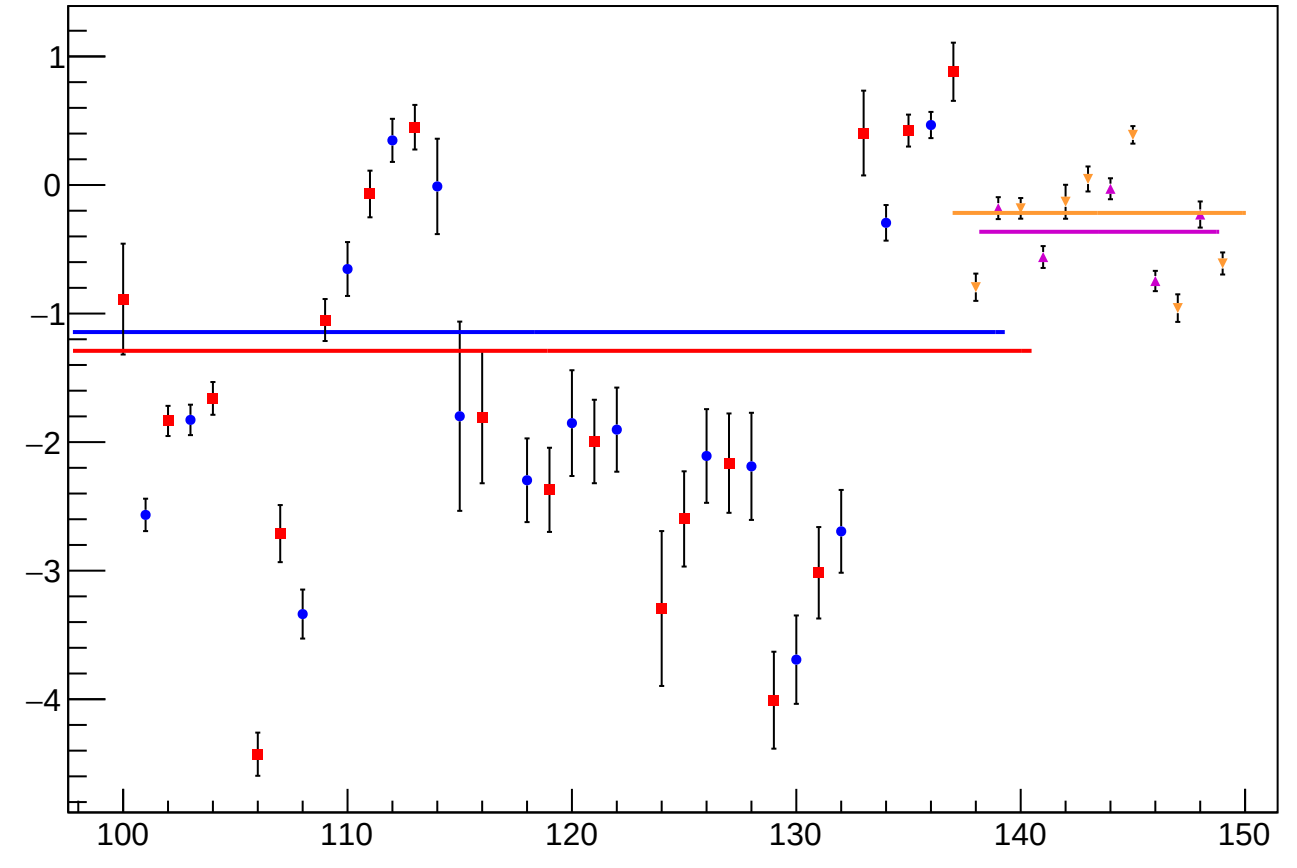
Left: 195.512+/-0.527 χ^2/NDF: 1284.2/11

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 190.279+/-0.598 χ^2/NDF:7509.1/20

Out: 191.078+/-0.559 χ^2/NDF:7819.8/25

All: 190.705+/-0.408 χ^2/NDF: 15329.9/46



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.217+/-0.034 χ^2/NDF:185.6/6

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.364+/-0.038 χ^2/NDF:52.1/4

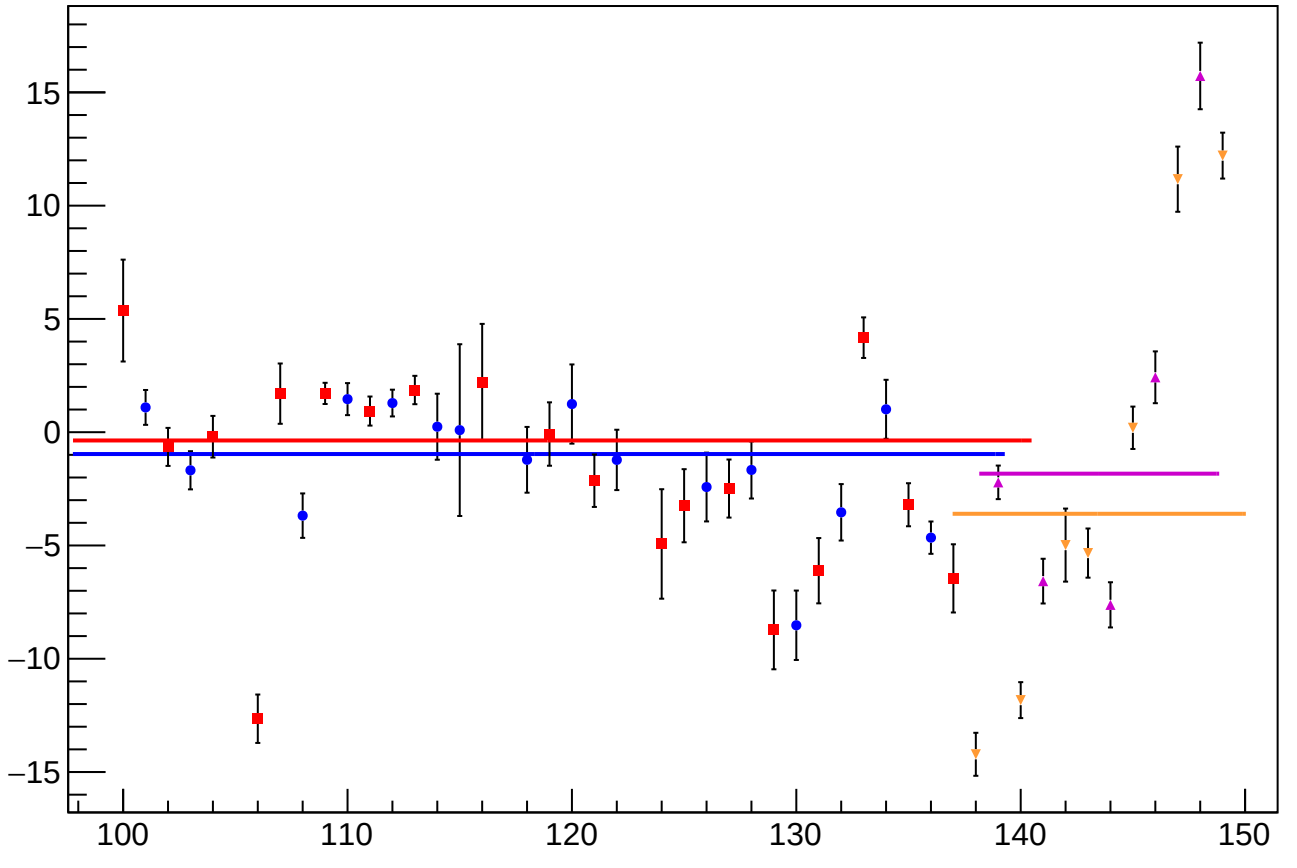
Left: -0.283+/-0.026 χ^2/NDF: 245.9/11

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.667+/-0.030 χ^2/NDF:1000.9/20

Out: -0.587+/-0.028 χ^2/NDF:1518.9/25

All: -0.624+/-0.020 χ^2/NDF: 2523.6/46



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -3.601+/-0.391 χ^2/NDF:601.2/6

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -1.831+/-0.444 χ^2/NDF:213.7/4

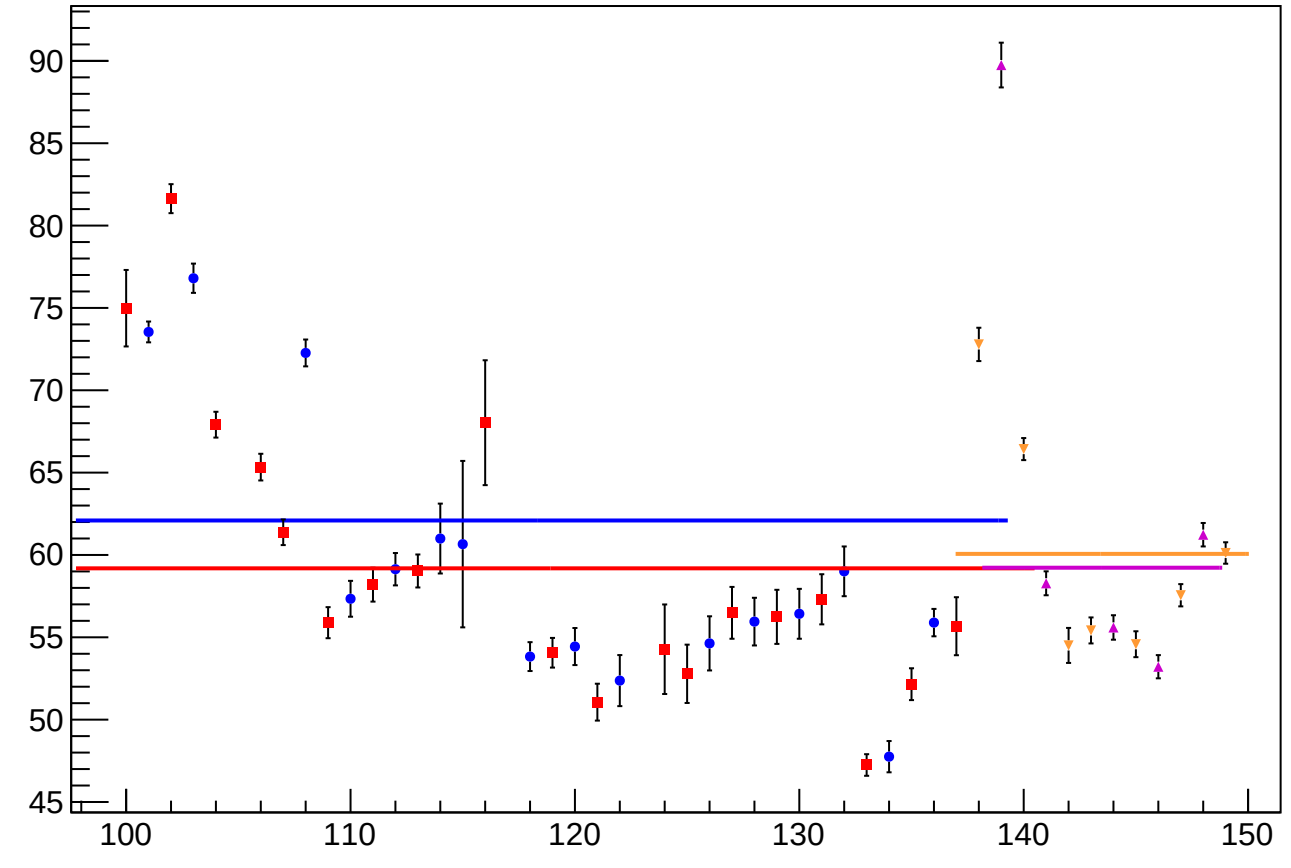
Left: -2.827+/-0.293 χ^2/NDF: 823.9/11

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.177+/-0.220 χ^2/NDF:319.8/20

Out: -1.163+/-0.194 χ^2/NDF:933.4/25

All: -1.169+/-0.146 χ^2/NDF: 1253.2/46



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 60.065+/-0.290 χ^2/NDF:372.7/6

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 59.225+/-0.348 χ^2/NDF:610.7/4

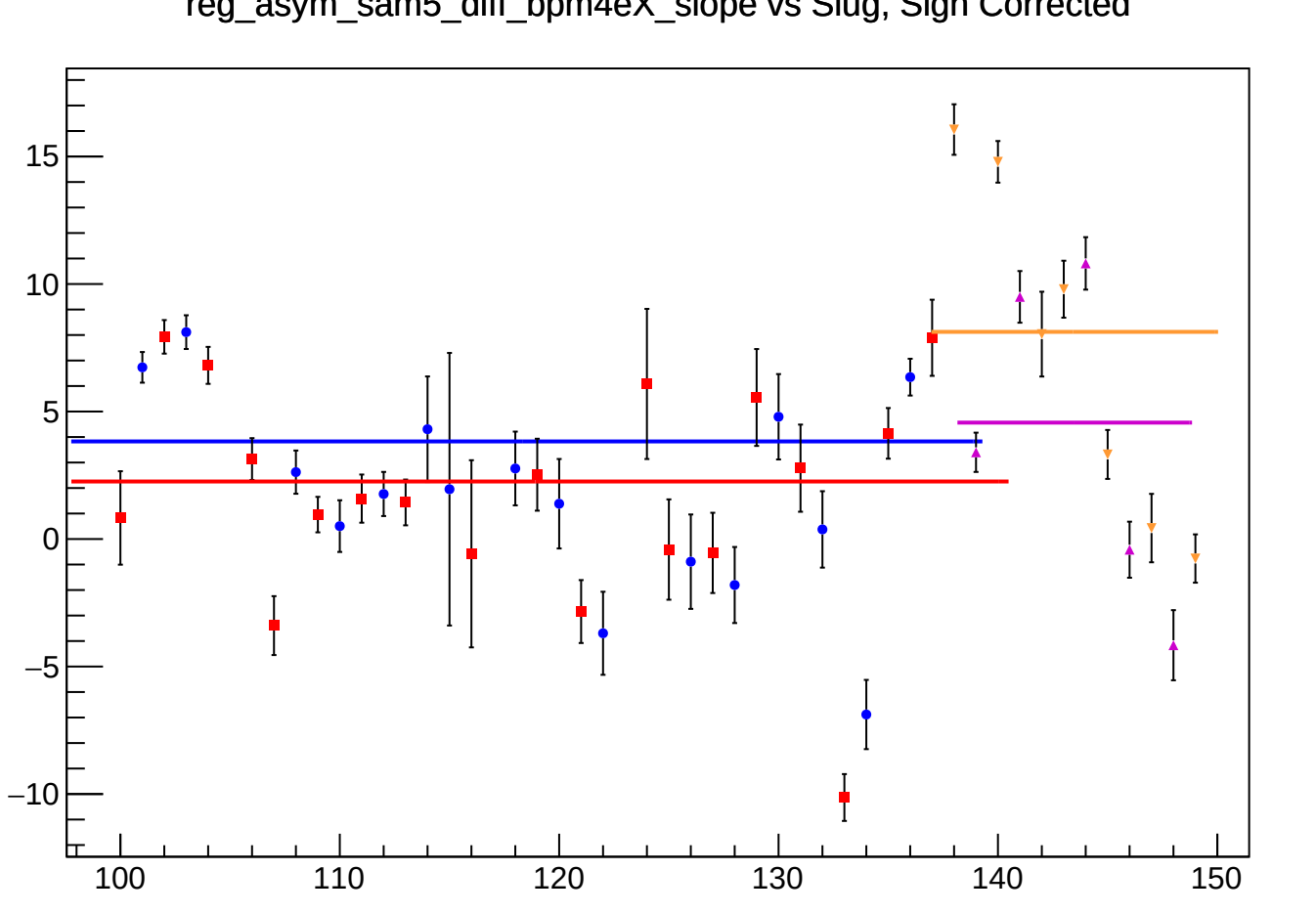
Left: 59.721+/-0.223 χ^2/NDF: 986.8/11

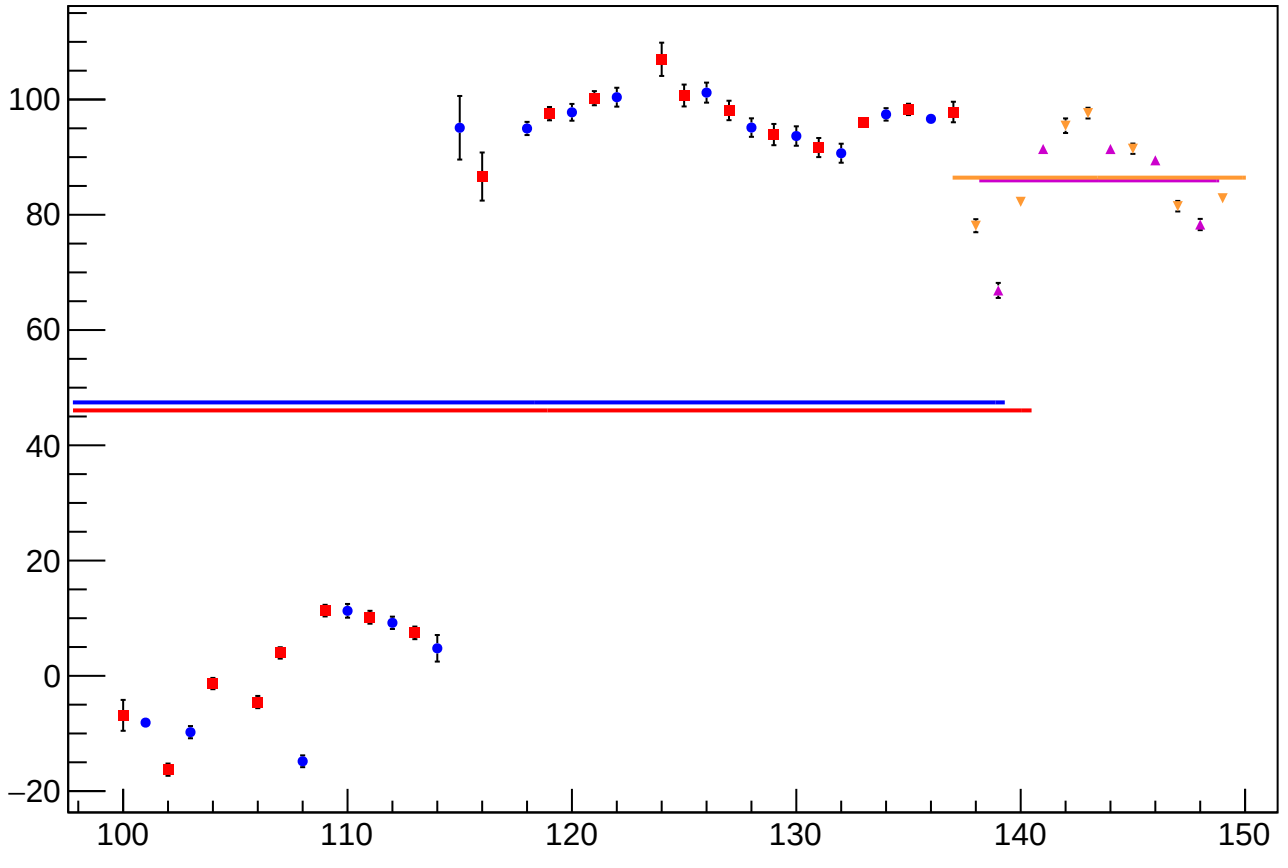
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 61.041+/-0.211 χ^2/NDF:1954.8/20

Out: 59.551+/-0.187 χ^2/NDF:1780.2/25

All: 60.205+/-0.140 χ^2/NDF: 3763.0/46


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: 8.124+/-0.394 χ²/NDF:279.2/6
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 4.565+/-0.449 χ²/NDF:123.7/4
Left: 6.575+/-0.296 χ²/NDF: 438.4/11
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 4.019+/-0.228 χ²/NDF:334.3/20
Out: 3.907+/-0.209 χ²/NDF:810.5/25
All: 3.958+/-0.154 χ²/NDF: 1144.9/46



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.442+/-0.349 χ^2/NDF:358.2/6

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 85.970+/-0.421 χ^2/NDF:370.9/4

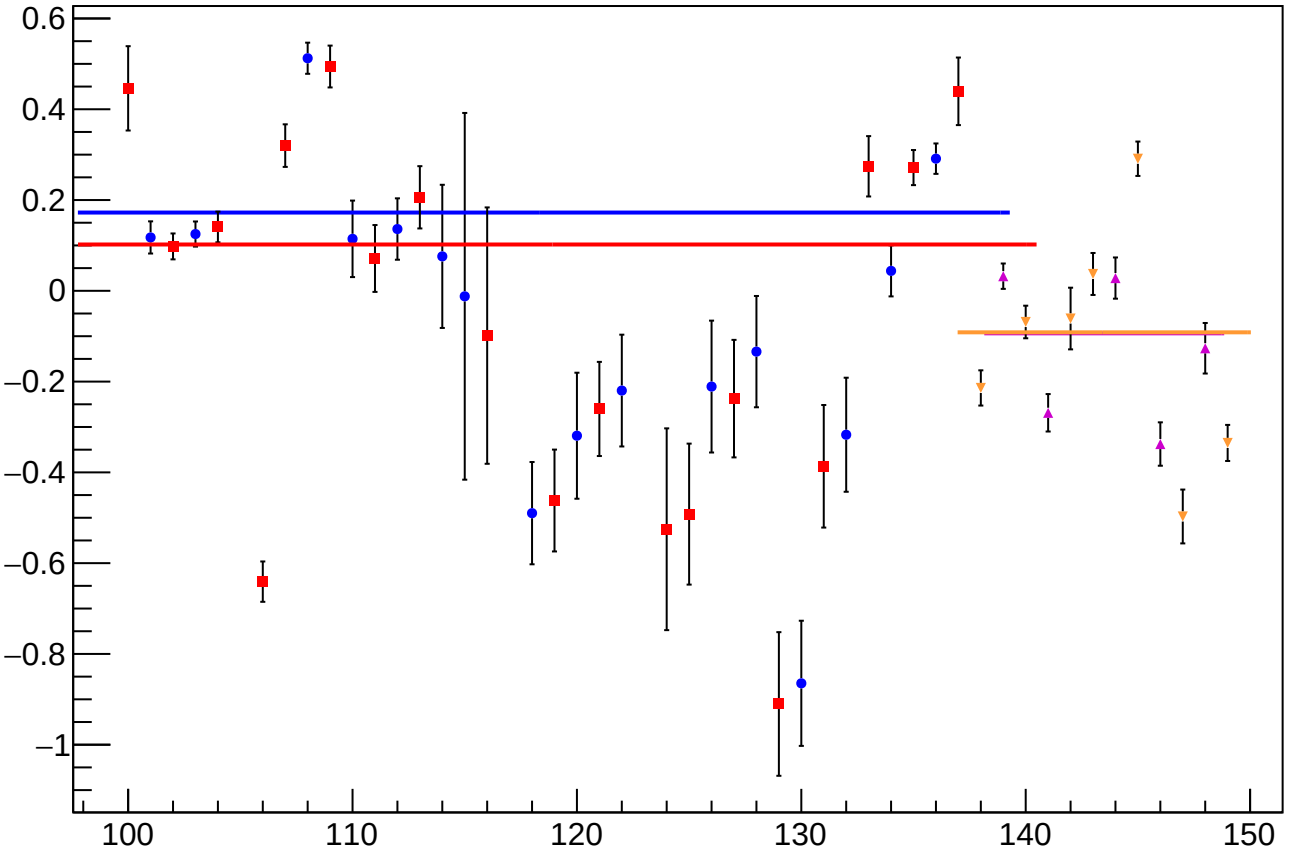
Left: 86.249+/-0.269 χ^2/NDF: 729.9/11

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 60.884+/-0.249 χ^2/NDF:32714.5/20

Out: 62.150+/-0.221 χ^2/NDF:37292.1/25

All: 61.592+/-0.165 χ^2/NDF: 70021.1/46



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.091+/-0.016 χ^2/NDF:204.7/6

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: -0.092+/-0.012 χ^2/NDF: 276.6/11

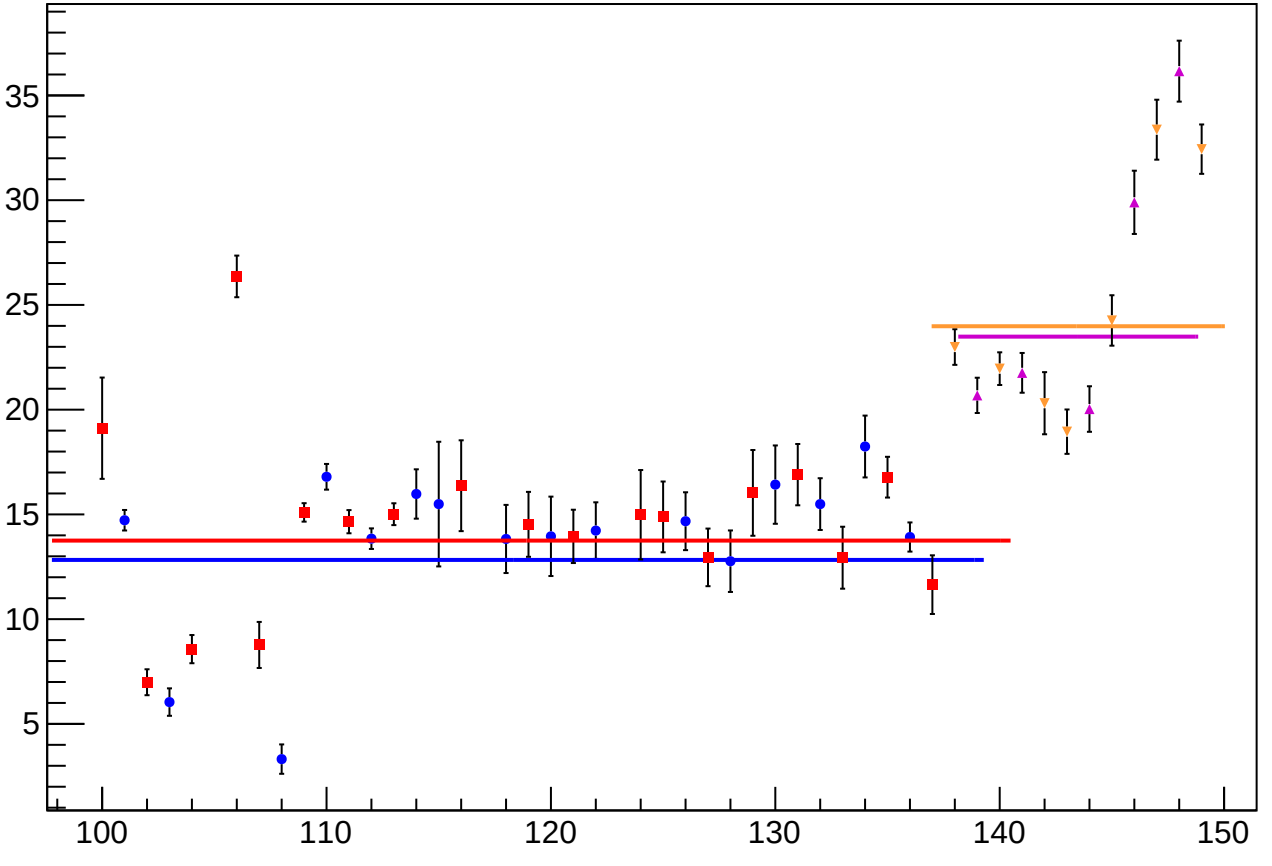
Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.070+/-0.011 χ^2/NDF:472.6/20

Out: 0.024+/-0.010 χ^2/NDF:846.9/25

All: 0.046+/-0.008 χ^2/NDF: 1328.8/46

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.982+/-0.399 χ^2/NDF:131.3/6

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: 23.781+/-0.308 χ^2/NDF: 250.3/11

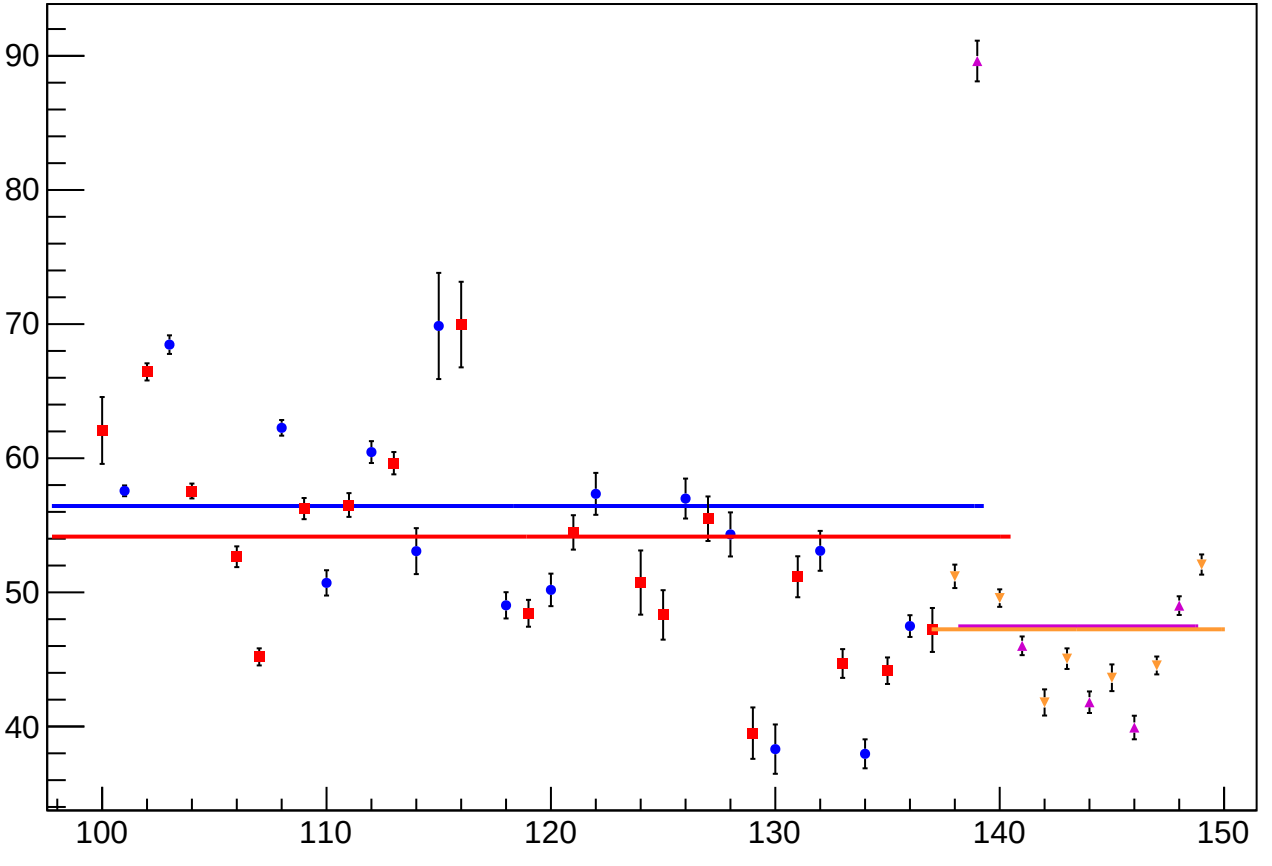
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 14.574+/-0.196 χ^2/NDF:912.8/20

Out: 15.870+/-0.182 χ^2/NDF:1055.8/25

All: 15.270+/-0.133 χ^2/NDF: 1992.1/46

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 47.246+/-0.296 χ^2/NDF:143.2/6

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 47.464+/-0.368 χ^2/NDF:904.3/4

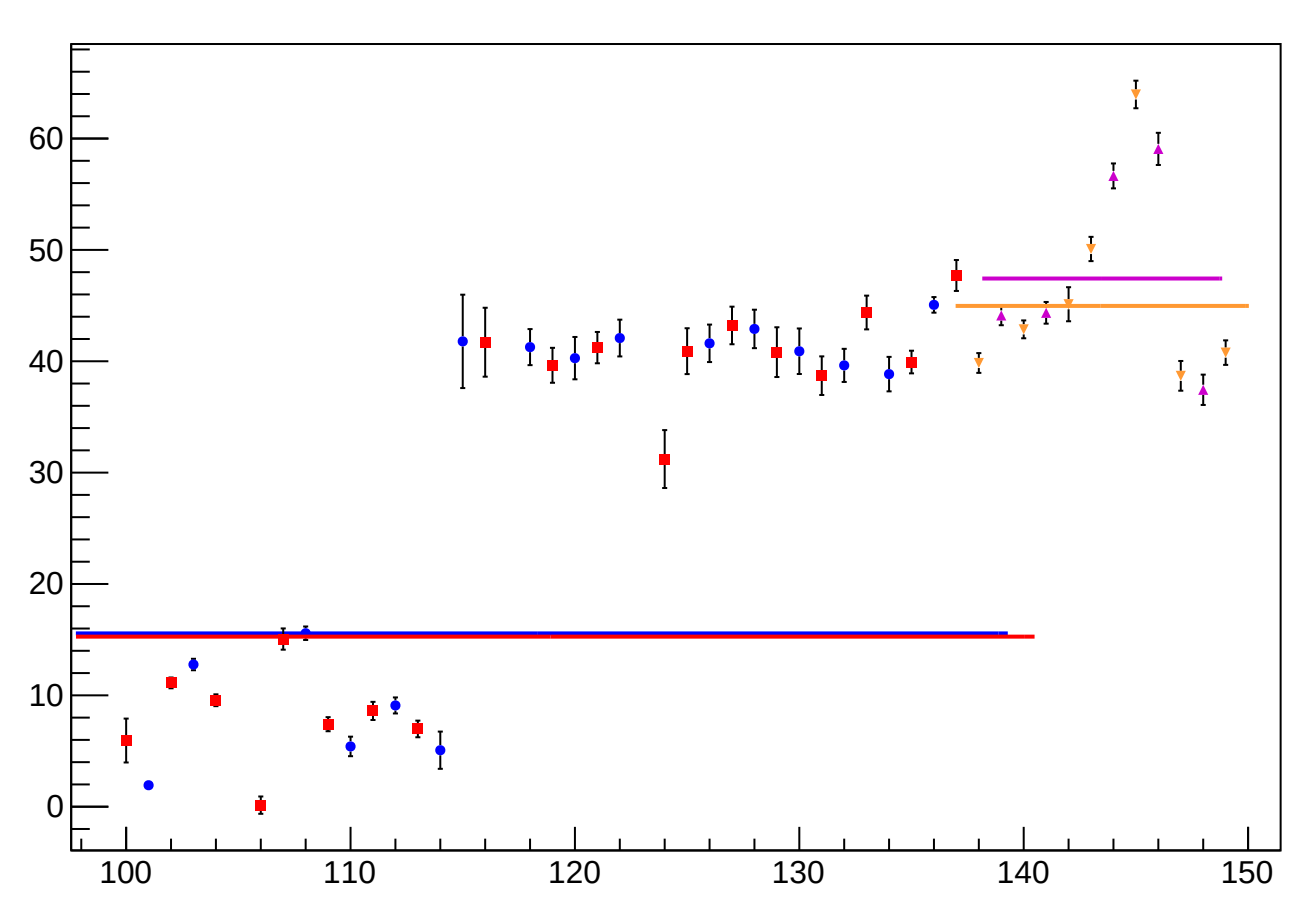
Left: 47.332+/-0.230 χ^2/NDF: 1047.7/11

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 54.043+/-0.190 χ^2/NDF:2429.2/20

Out: 51.630+/-0.179 χ^2/NDF:1496.1/25

All: 52.764+/-0.130 χ^2/NDF: 4010.8/46



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 44.970+/-0.404 χ^2/NDF:334.0/6

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 47.429+/-0.490 χ^2/NDF:210.9/4

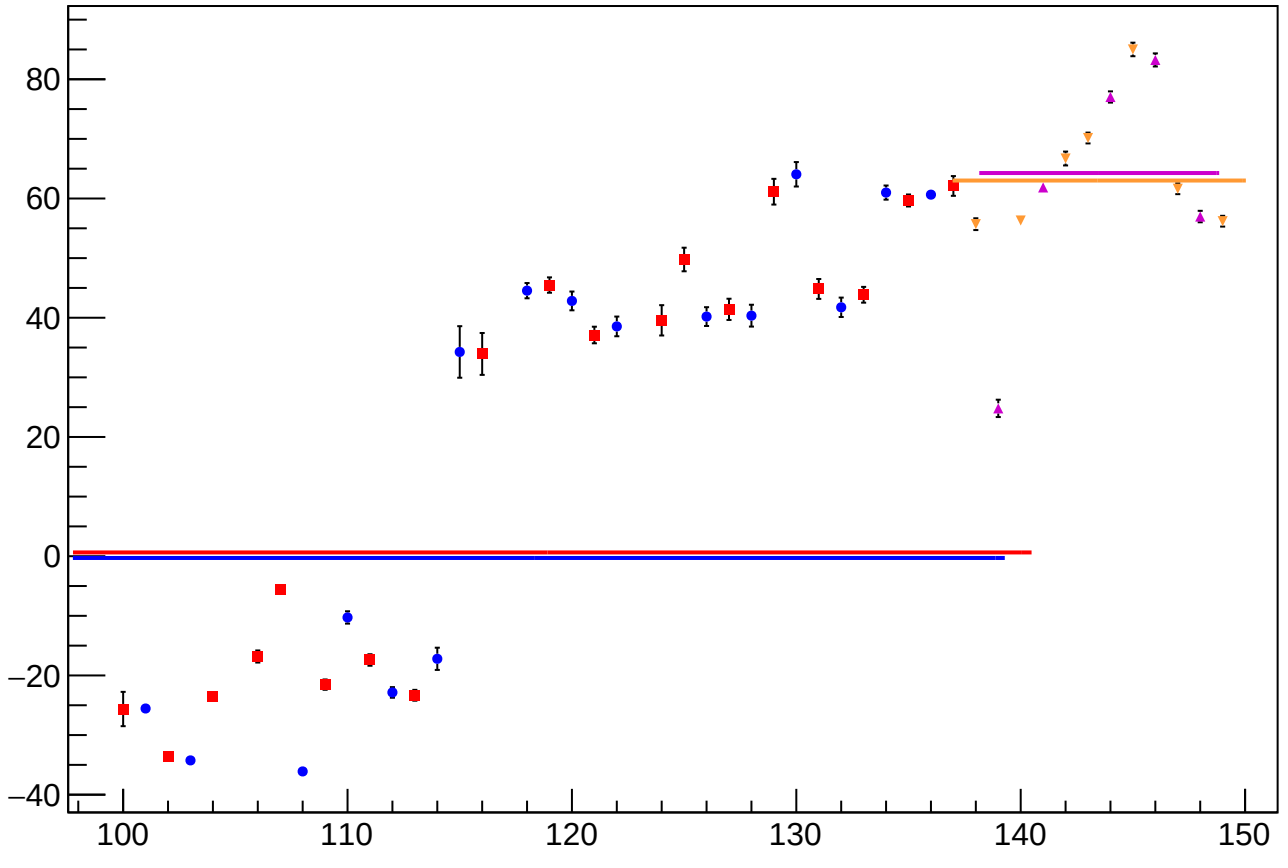
Left: 45.966+/-0.312 χ^2/NDF: 559.8/11

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 20.671+/-0.196 χ^2/NDF:8943.0/20

Out: 22.027+/-0.193 χ^2/NDF:8384.6/25

All: 21.361+/-0.137 χ^2/NDF: 17351.9/46



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 63.014+/-0.358 χ^2/NDF:633.4/6

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 64.273+/-0.449 χ^2/NDF:1283.2/4

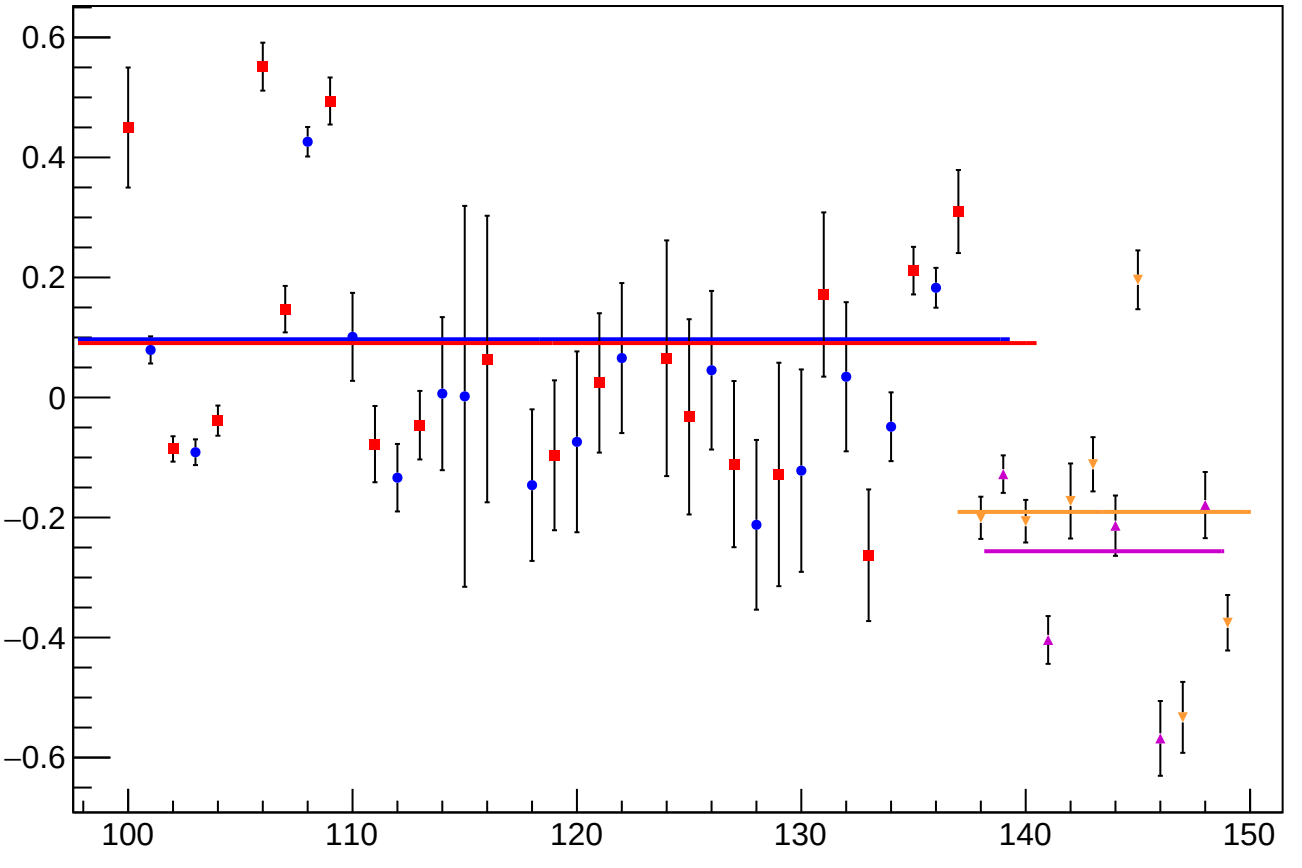
Left: 63.503+/-0.280 χ^2/NDF: 1921.4/11

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 16.063+/-0.226 χ^2/NDF:37772.9/20

Out: 22.583+/-0.212 χ^2/NDF:36365.9/25

All: 19.526+/-0.155 χ^2/NDF: 74581.3/46



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.191+/-0.017 χ^2/NDF:115.2/6

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.256+/-0.019 χ^2/NDF:58.4/4

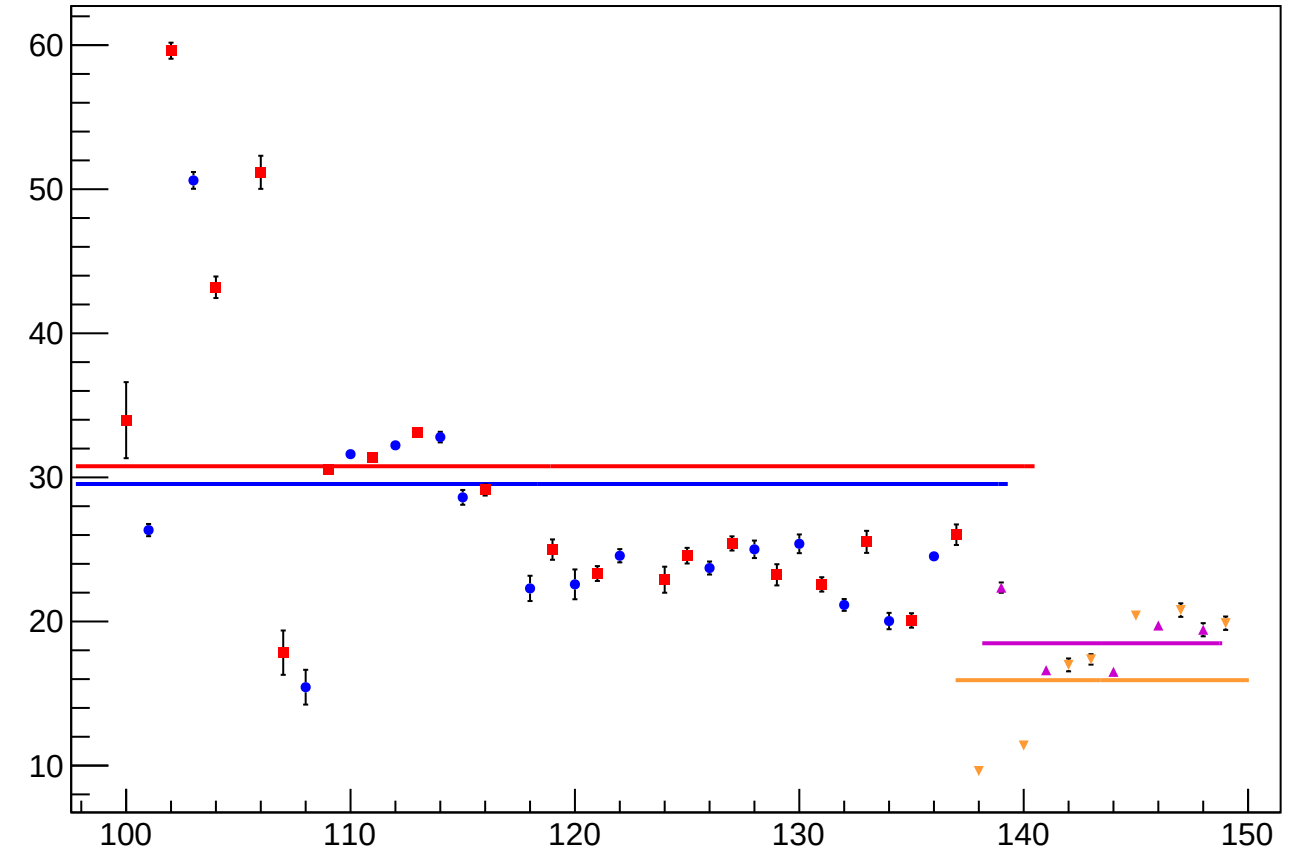
Left: -0.219+/-0.013 χ^2/NDF: 180.1/11

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.009+/-0.010 χ^2/NDF:604.5/20

Out: 0.002+/-0.009 χ^2/NDF:705.9/25

All: 0.006+/-0.007 χ^2/NDF: 1310.6/46



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.927+/-0.132 χ^2/NDF:1107.4/6

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.488+/-0.150 χ^2/NDF:220.8/4

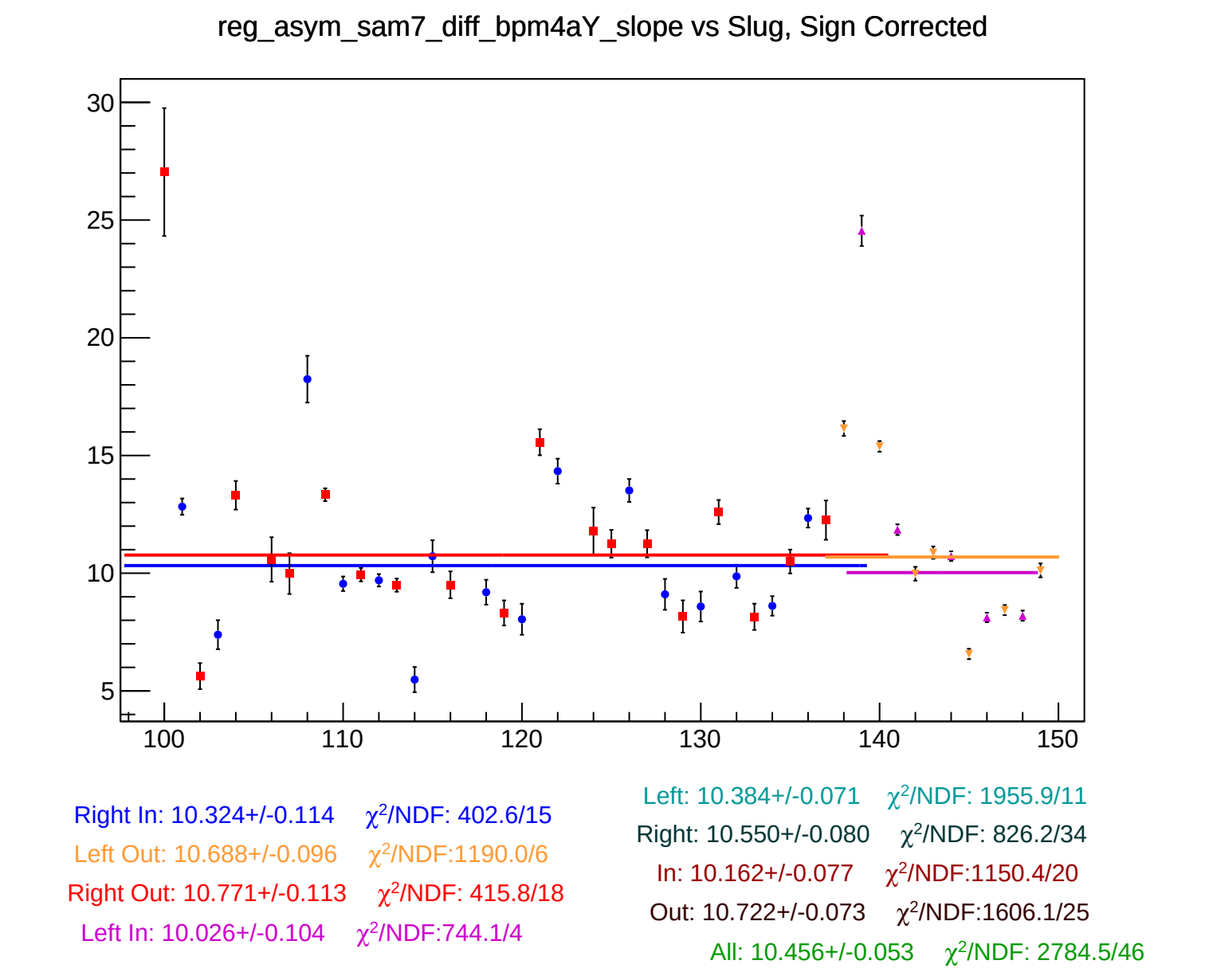
Left: 17.040+/-0.099 χ^2/NDF: 1492.2/11

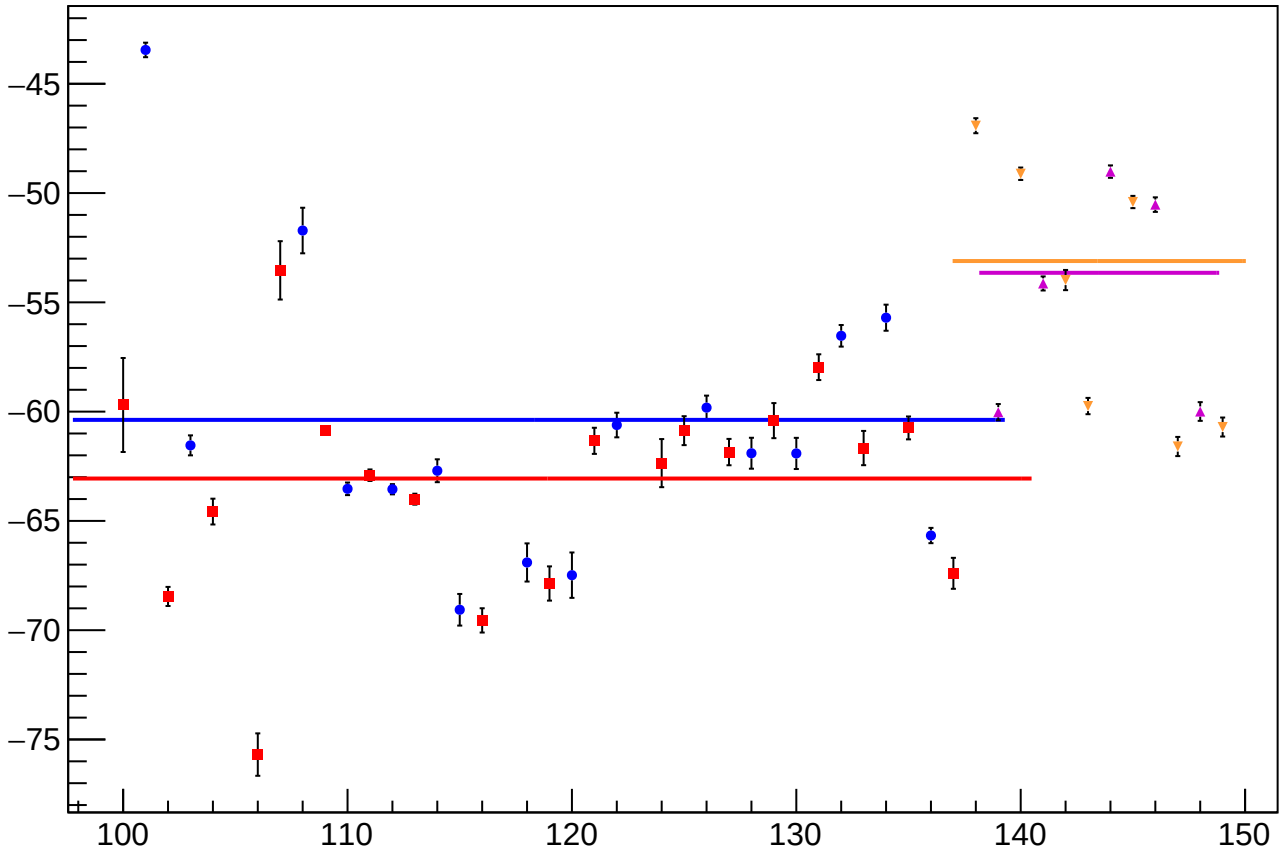
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 26.534+/-0.078 χ^2/NDF:7525.2/20

Out: 26.768+/-0.068 χ^2/NDF:15444.3/25

All: 26.666+/-0.052 χ^2/NDF: 22974.5/46


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 10.688+/-0.096 χ²/NDF:1190.0/6
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 10.026+/-0.104 χ²/NDF:744.1/4
Left: 10.384+/-0.071 χ²/NDF: 1955.9/11
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.162+/-0.077 χ²/NDF:1150.4/20
Out: 10.722+/-0.073 χ²/NDF:1606.1/25
All: 10.456+/-0.053 χ²/NDF: 2784.5/46



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.110+/-0.134 χ^2/NDF:1612.6/6

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -53.648+/-0.151 χ^2/NDF:868.4/4

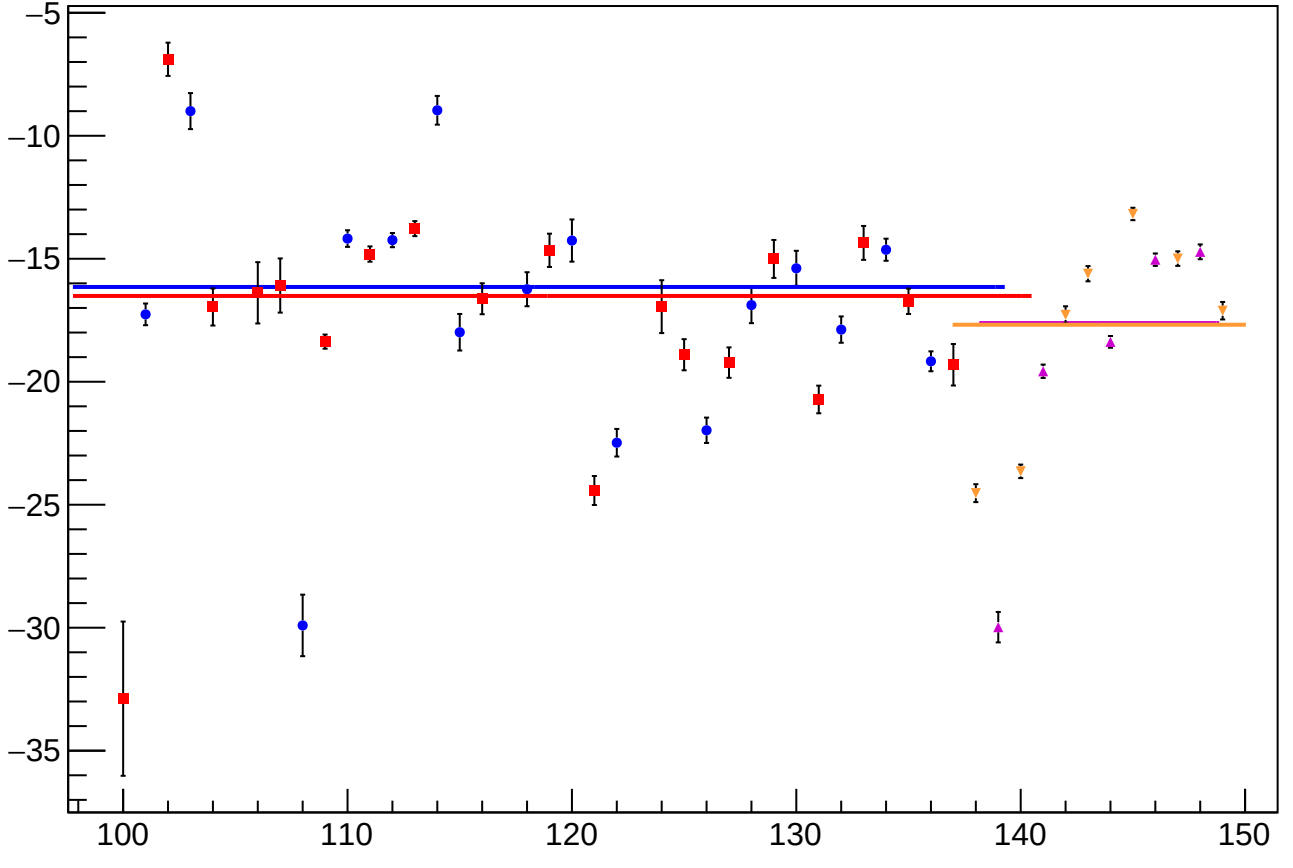
Left: -53.346+/-0.100 χ^2/NDF: 2488.1/11

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.967+/-0.091 χ^2/NDF:5735.9/20

Out: -59.168+/-0.084 χ^2/NDF:5824.3/25

All: -58.615+/-0.061 χ^2/NDF: 11655.1/46



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.683+/-0.116 χ^2/NDF:1271.5/6

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.614+/-0.129 χ^2/NDF:657.0/4

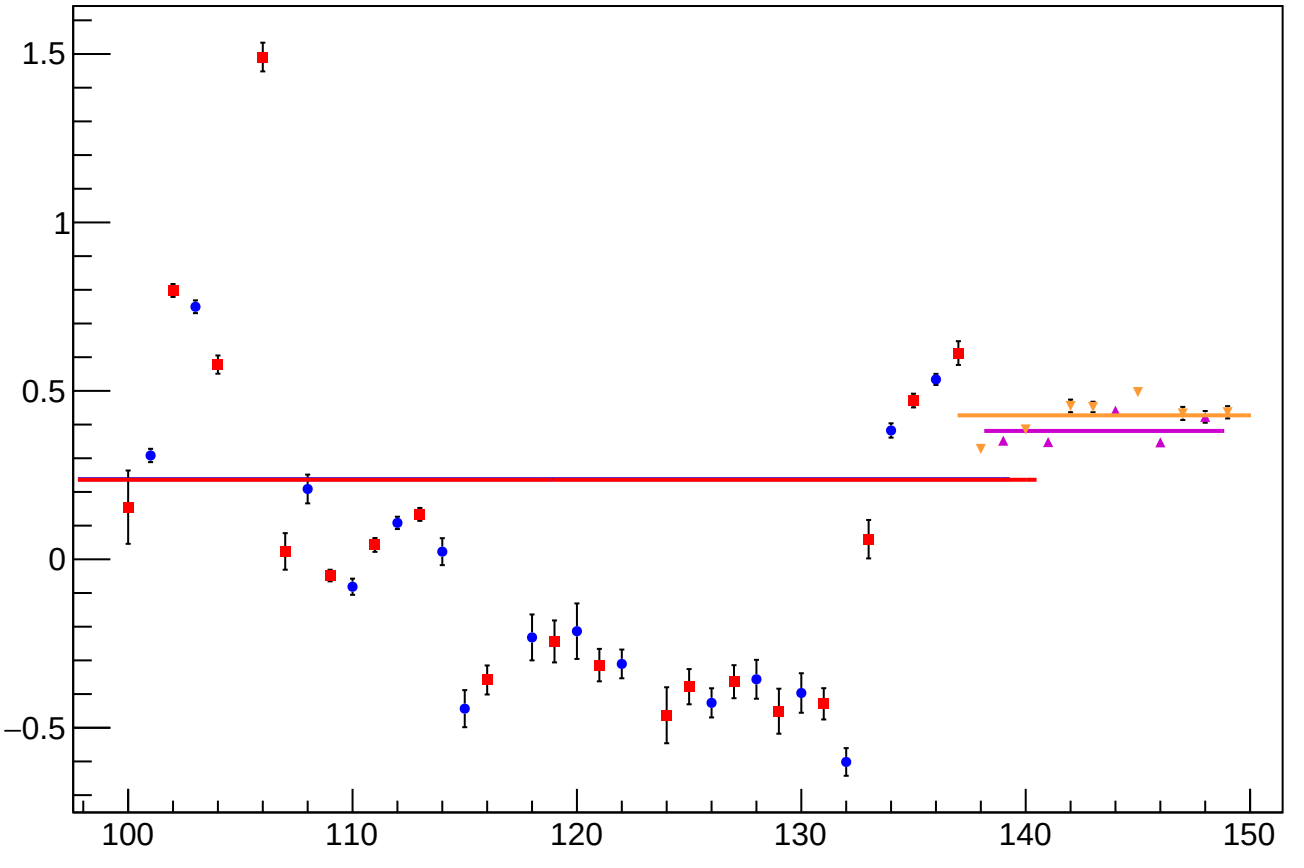
Left: -17.652+/-0.086 χ^2/NDF: 1928.6/11

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.871+/-0.090 χ^2/NDF:1519.7/20

Out: -17.139+/-0.085 χ^2/NDF:2003.4/25

All: -17.014+/-0.062 χ^2/NDF: 3527.8/46



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.427+/-0.006 χ^2/NDF:106.0/6

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.381+/-0.006 χ^2/NDF:45.0/4

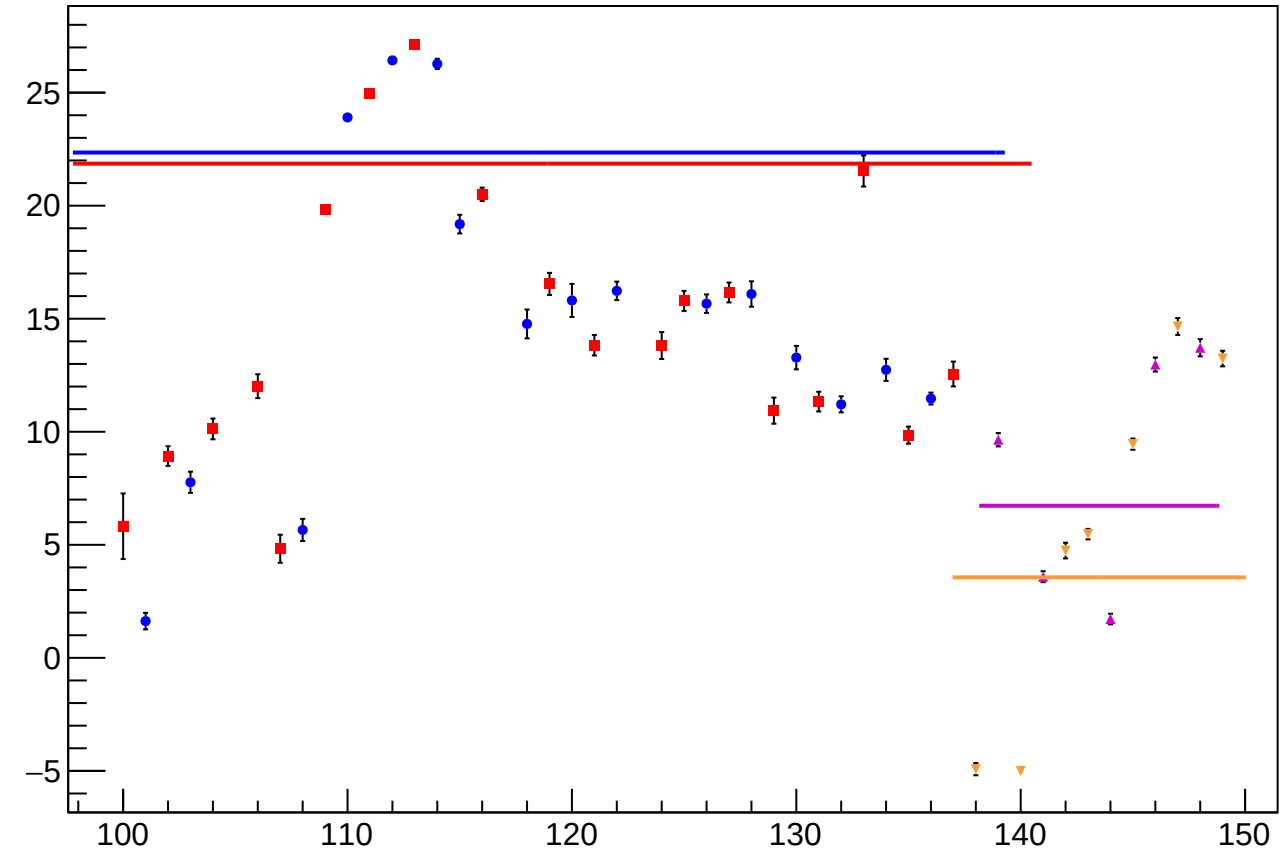
Left: 0.407+/-0.004 χ^2/NDF: 181.7/11

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.318+/-0.005 χ^2/NDF:2909.7/20

Out: 0.354+/-0.004 χ^2/NDF:4149.6/25

All: 0.337+/-0.003 χ^2/NDF: 7090.4/46



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.559+/-0.103 χ^2/NDF:4898.0/6

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 6.727+/-0.125 χ^2/NDF:1469.6/4

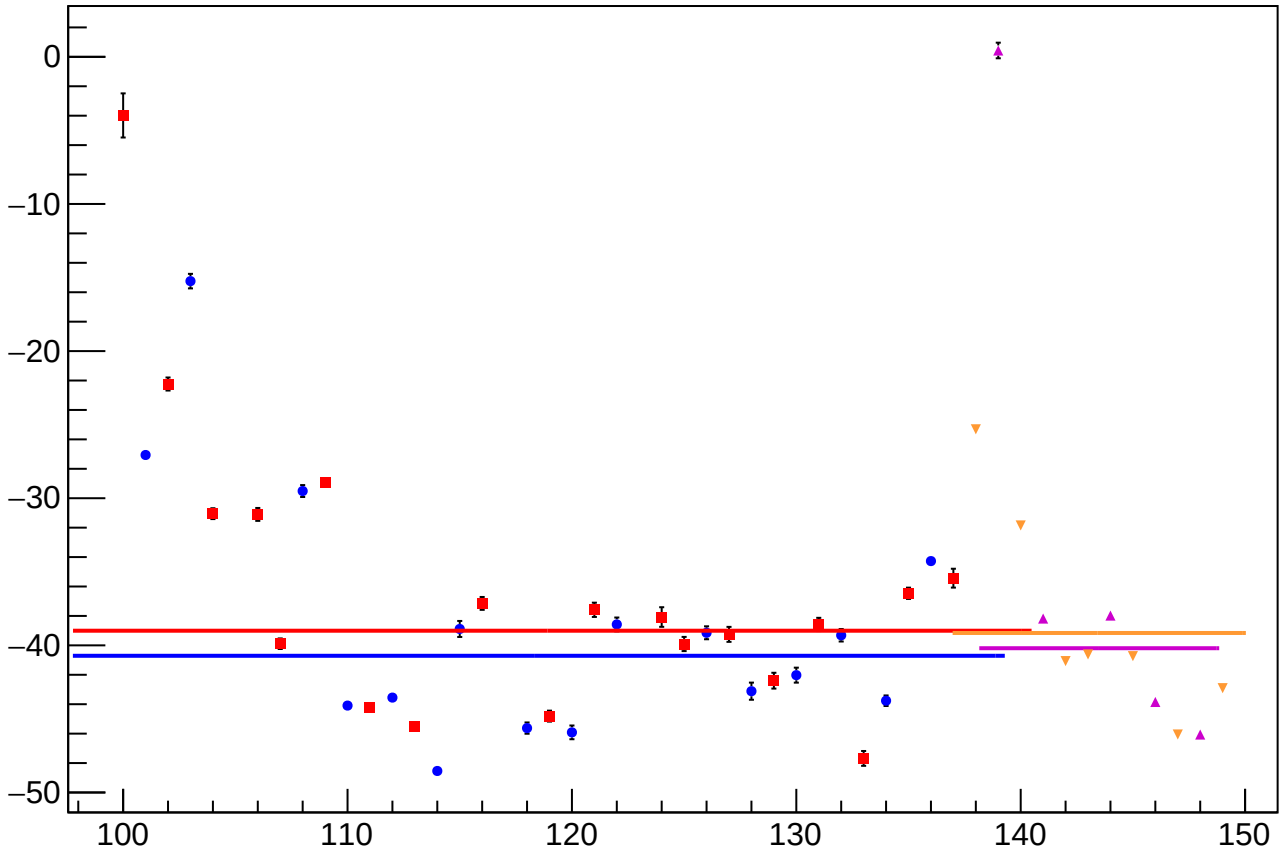
Left: 4.845+/-0.079 χ^2/NDF: 6751.5/11

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 19.682+/-0.052 χ^2/NDF:26838.6/20

Out: 18.786+/-0.042 χ^2/NDF:41841.2/25

All: 19.146+/-0.033 χ^2/NDF: 68860.9/46



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.158+/-0.075 χ^2/NDF:6594.4/6

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.195+/-0.088 χ^2/NDF:7591.7/4

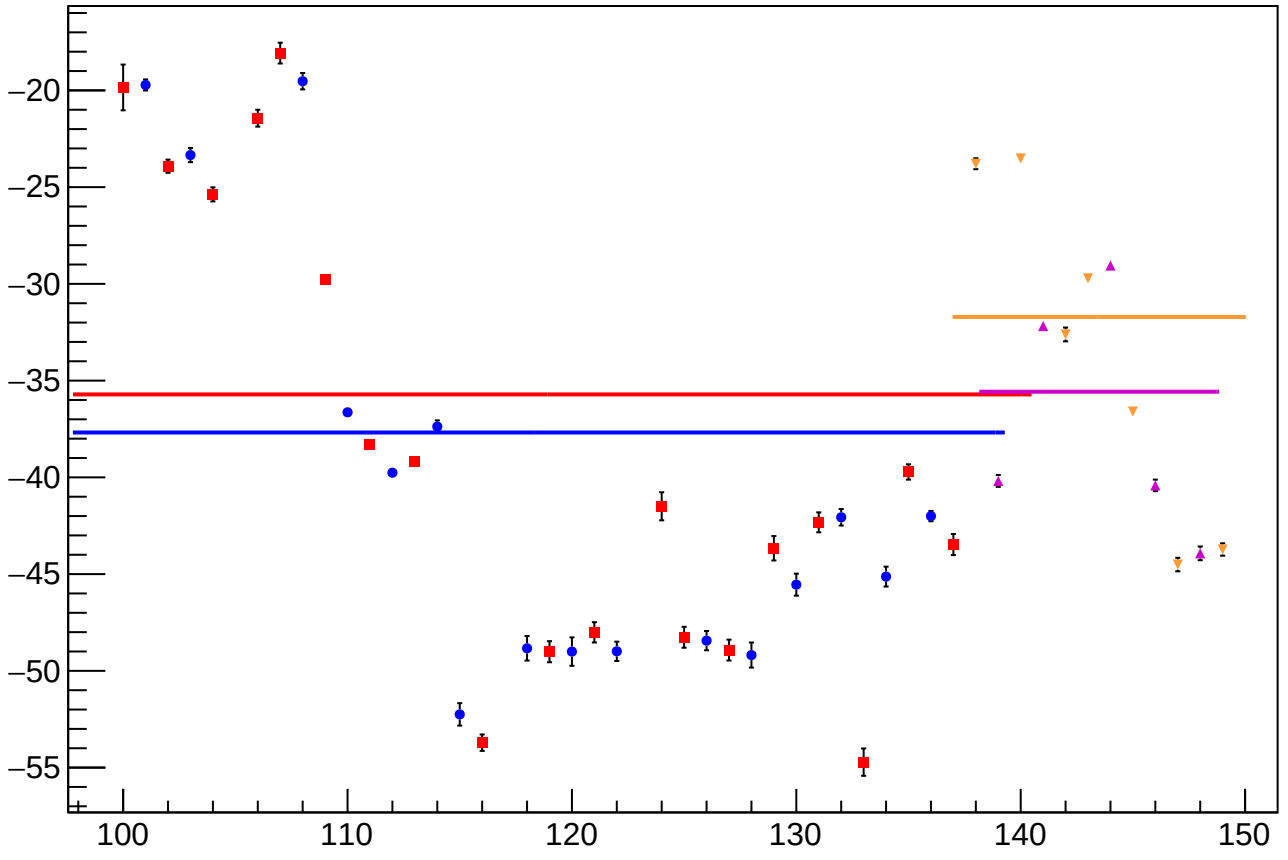
Left: -39.592+/-0.057 χ^2/NDF: 14266.9/11

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.487+/-0.058 χ^2/NDF:15391.5/20

Out: -39.078+/-0.051 χ^2/NDF:16698.0/25

All: -39.702+/-0.038 χ^2/NDF: 32421.9/46



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -31.712+/-0.104 χ^2/NDF:5358.6/6

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -35.572+/-0.126 χ^2/NDF:1963.1/4

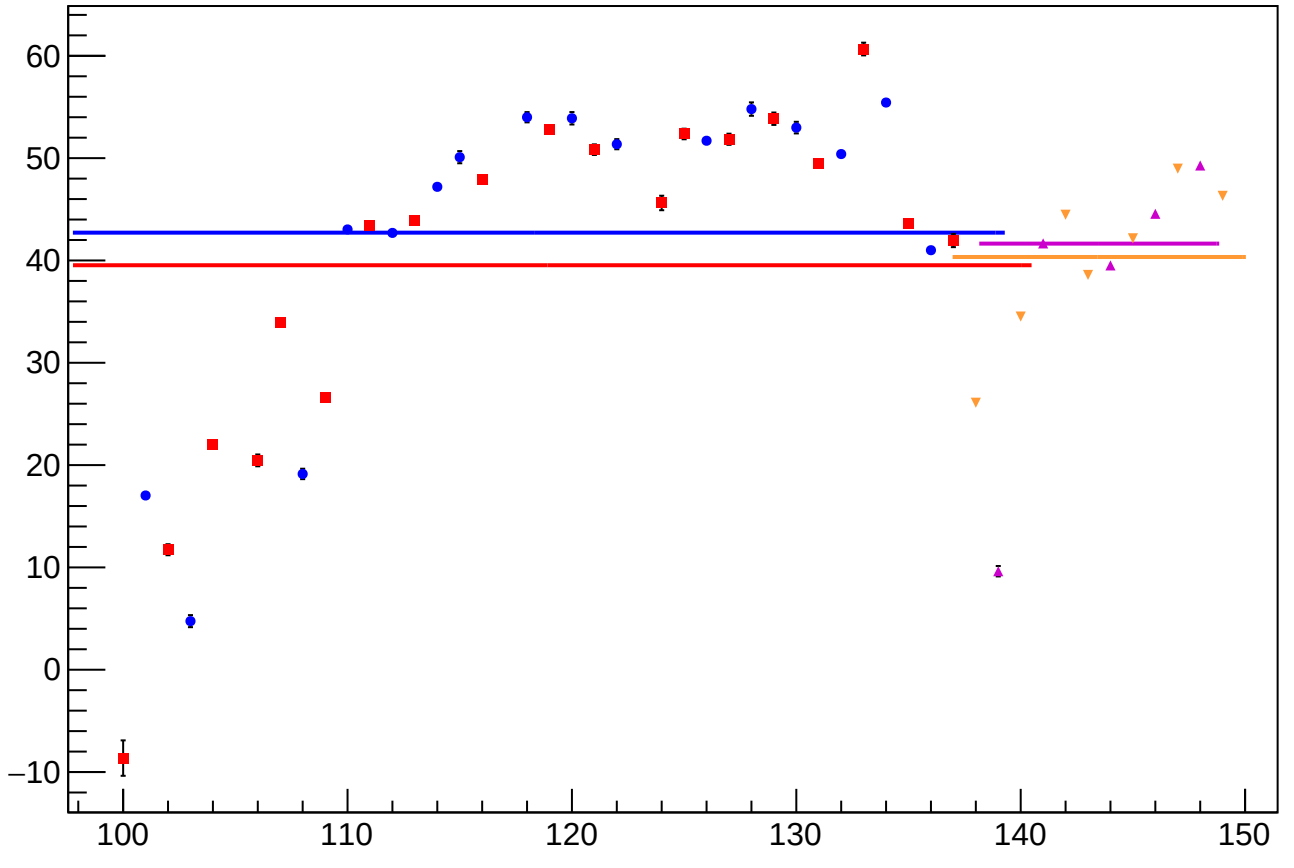
Left: -33.289+/-0.080 χ^2/NDF: 7880.3/11

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -37.140+/-0.064 χ^2/NDF:13026.6/20

Out: -34.612+/-0.055 χ^2/NDF:19698.2/25

All: -35.689+/-0.041 χ^2/NDF: 33632.1/46



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.339+/-0.090 χ^2/NDF:5202.1/6

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.647+/-0.108 χ^2/NDF:5152.6/4

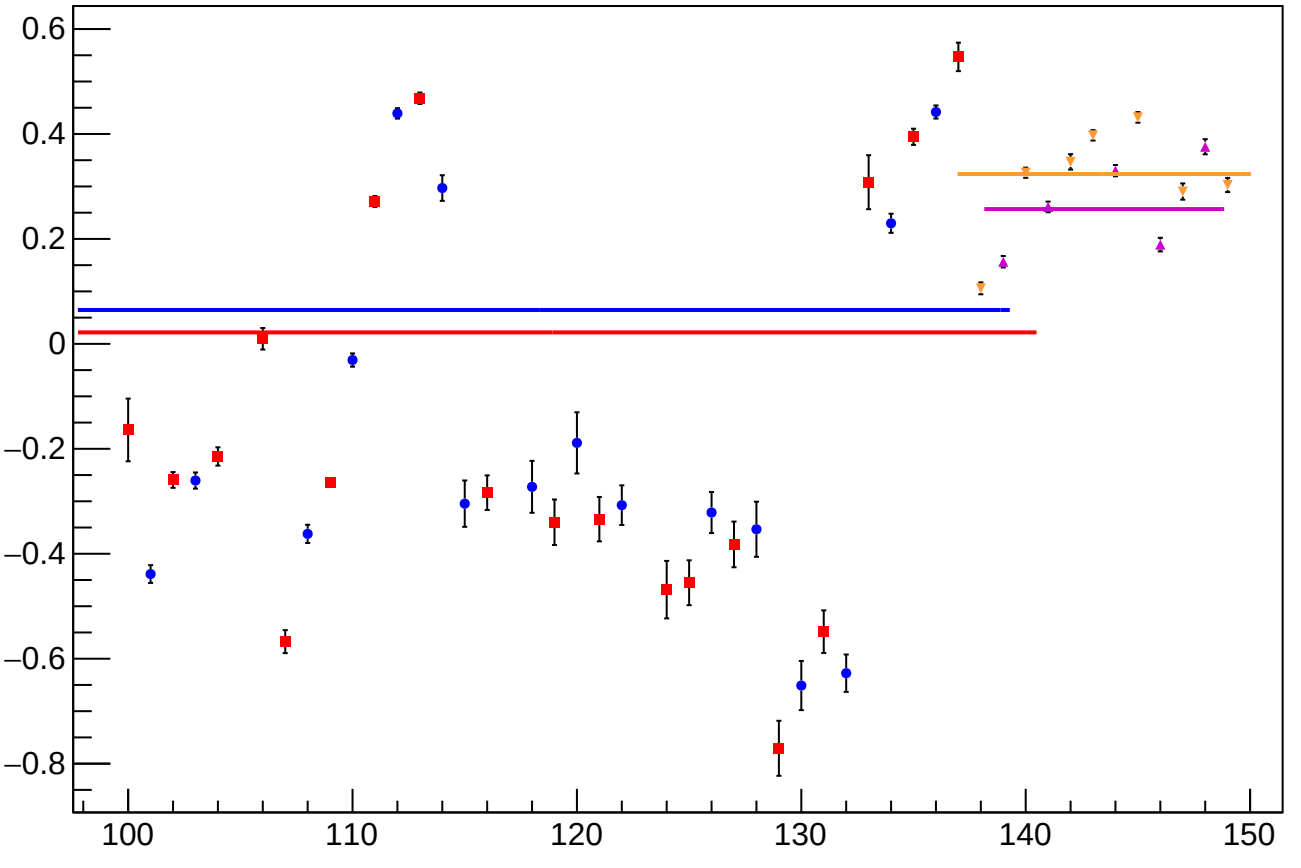
Left: 40.877+/-0.069 χ^2/NDF: 10441.2/11

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.307+/-0.067 χ^2/NDF:19978.4/20

Out: 39.879+/-0.059 χ^2/NDF:23225.9/25

All: 40.945+/-0.044 χ^2/NDF: 43946.0/46



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.324+/-0.004 χ^2/NDF:545.9/6

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.257+/-0.005 χ^2/NDF:225.6/4

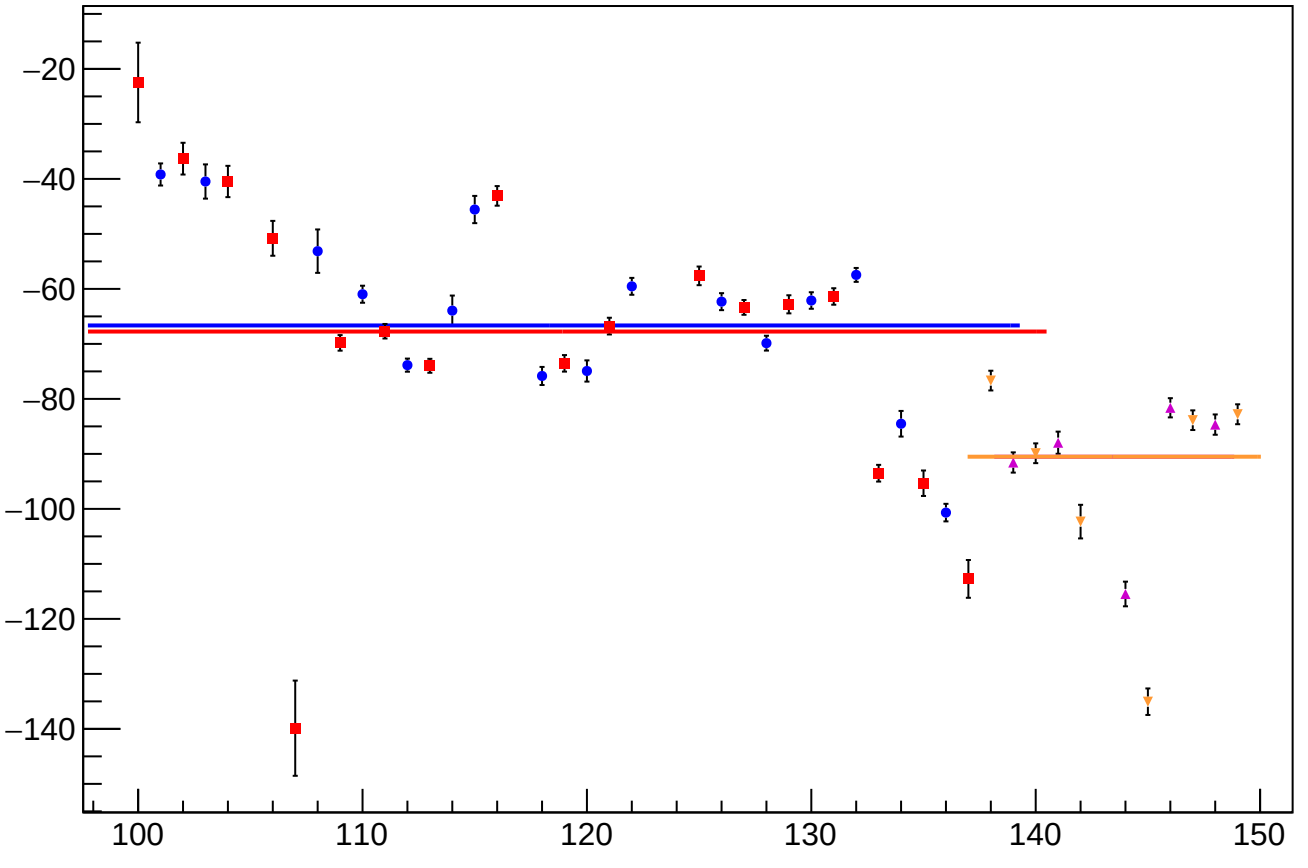
Left: 0.296+/-0.003 χ^2/NDF: 869.1/11

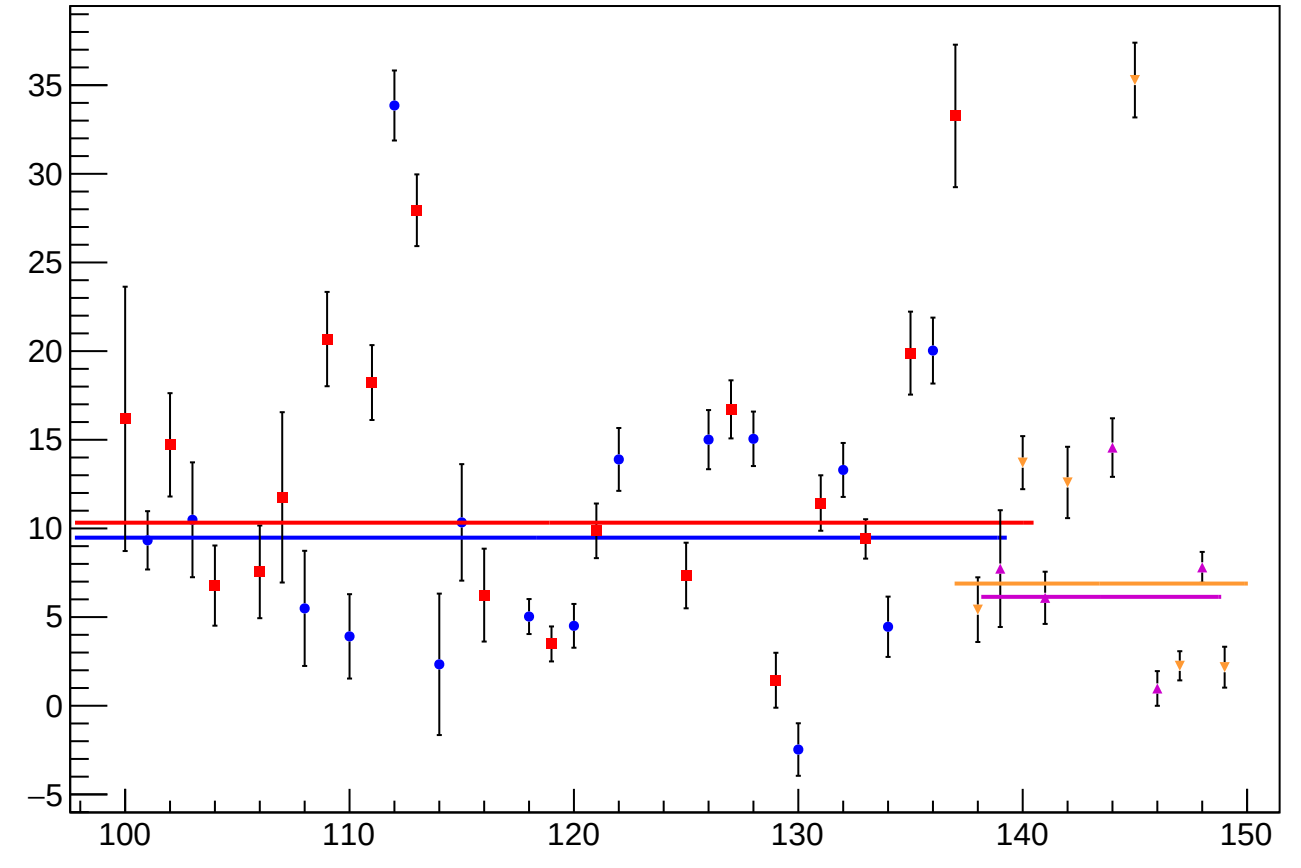
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.155+/-0.004 χ^2/NDF:6461.9/20

Out: 0.173+/-0.003 χ^2/NDF:9328.4/25

All: 0.165+/-0.002 χ^2/NDF: 15806.3/46


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -90.512+/-0.812 χ²/NDF:447.9/5
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -90.524+/-0.857 χ²/NDF:161.7/4
Left: -90.518+/-0.589 χ²/NDF: 609.6/10
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -71.382+/-0.382 χ²/NDF:1836.6/20
Out: -72.550+/-0.373 χ²/NDF:2323.4/23
All: -71.980+/-0.267 χ²/NDF: 4164.9/44



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 6.891+/-0.538 χ^2/NDF:259.4/5

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: 6.526+/-0.385 χ^2/NDF: 318.1/10

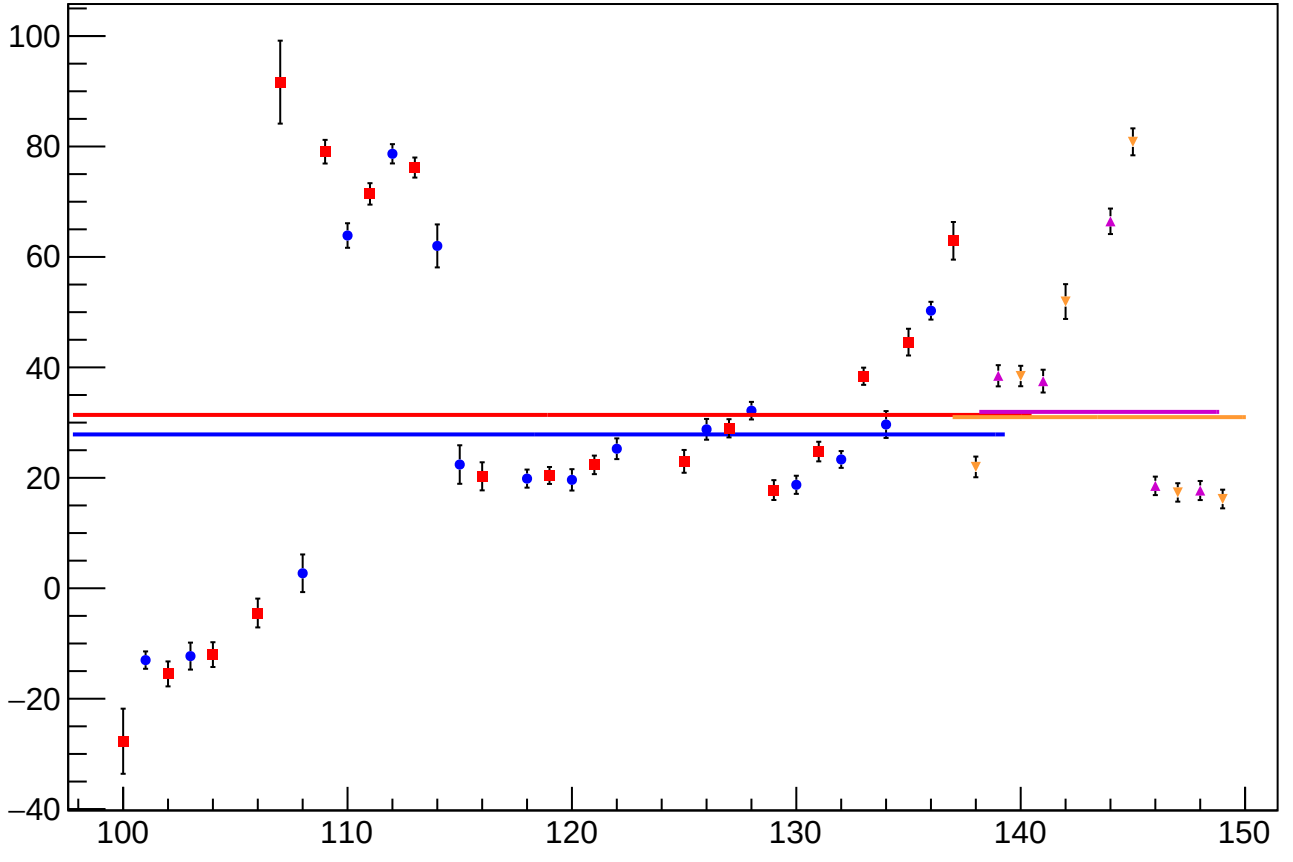
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 8.226+/-0.338 χ^2/NDF:422.5/20

Out: 8.966+/-0.339 χ^2/NDF:547.4/23

All: 8.596+/-0.239 χ^2/NDF: 972.3/44

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 30.991+/-0.802 χ^2/NDF:644.6/5

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 31.942+/-0.849 χ^2/NDF:374.4/4

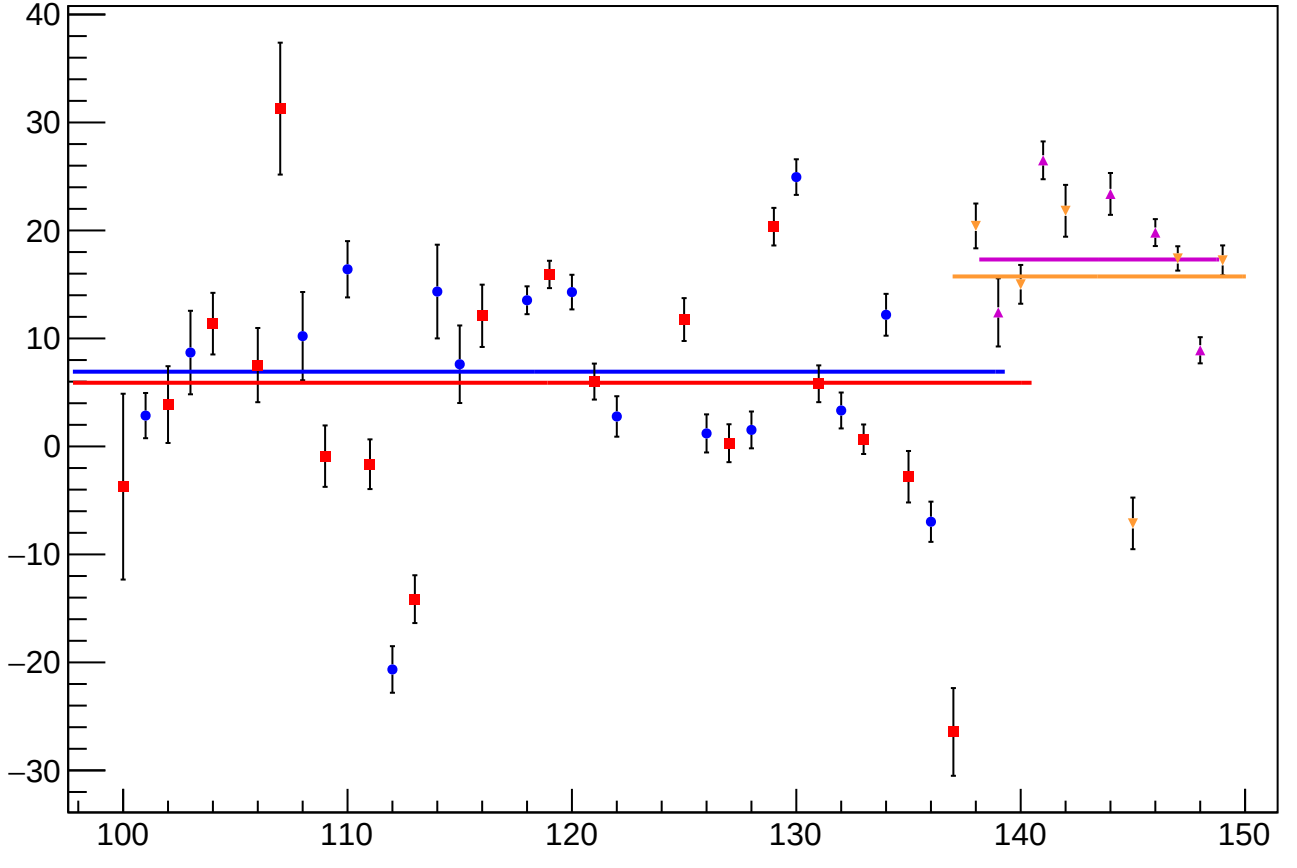
Left: 31.439+/-0.583 χ^2/NDF: 1019.7/10

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 28.855+/-0.419 χ^2/NDF:2865.8/20

Out: 31.285+/-0.417 χ^2/NDF:3656.2/23

All: 30.079+/-0.296 χ^2/NDF: 6539.0/44



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.741+/-0.675 χ^2/NDF:106.6/5

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 17.311+/-0.704 χ^2/NDF:91.8/4

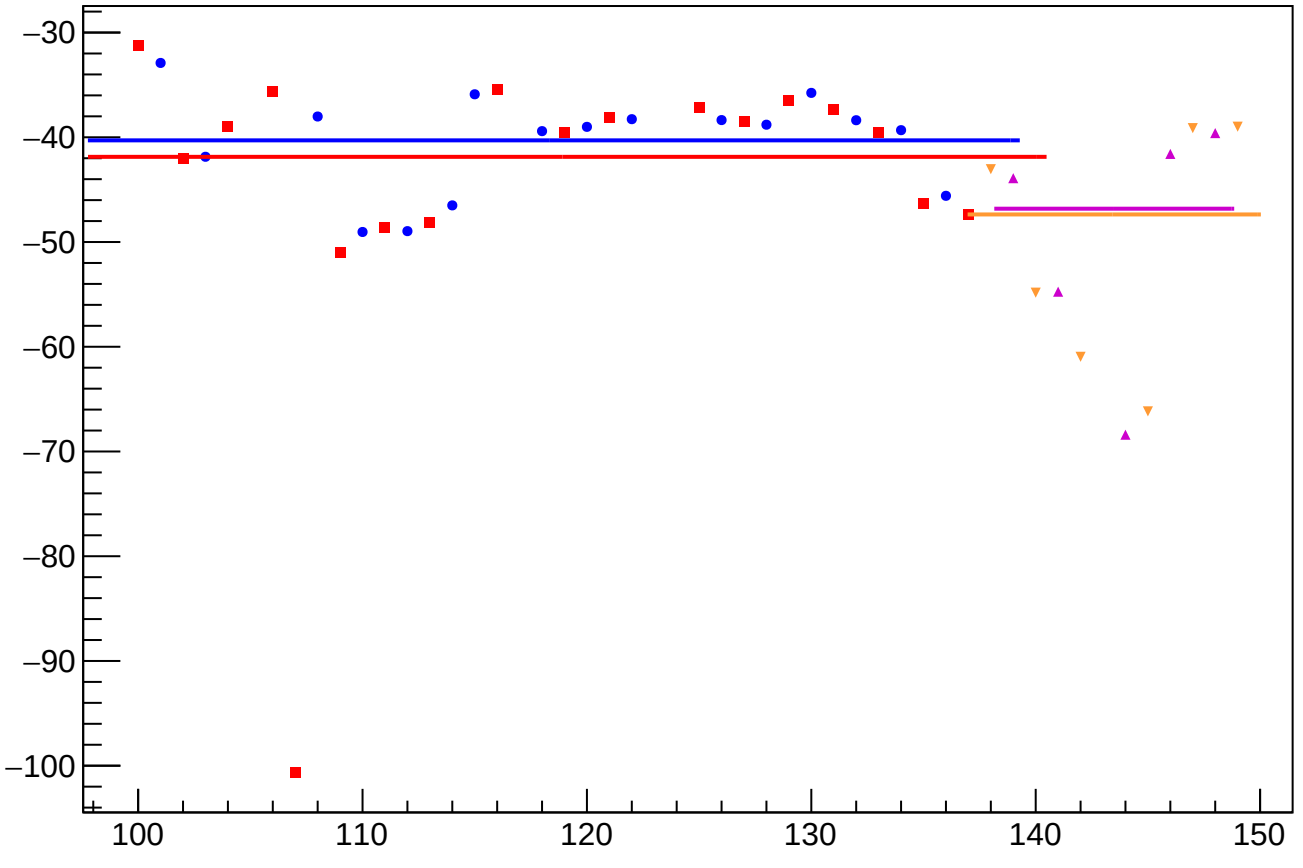
Left: 16.492+/-0.487 χ^2/NDF: 201.0/10

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 10.363+/-0.405 χ^2/NDF:681.8/20

Out: 9.403+/-0.403 χ^2/NDF:611.4/23

All: 9.880+/-0.286 χ^2/NDF: 1295.9/44



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -47.368+/-0.034 χ^2/NDF:87032.7/5

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -46.818+/-0.034 χ^2/NDF:69823.9/4

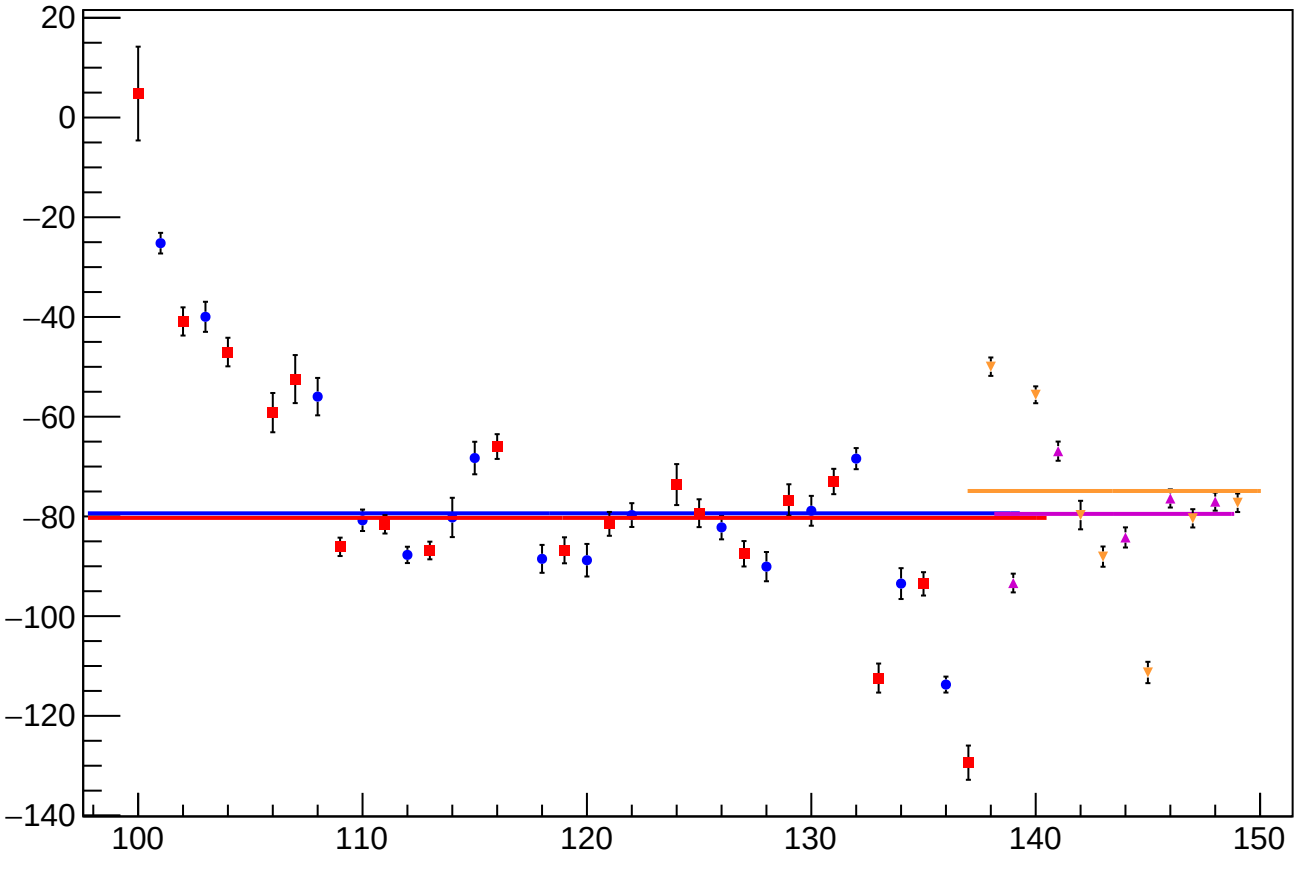
Left: -47.098+/-0.024 χ^2/NDF: 156986.5/10

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -43.261+/-0.023 χ^2/NDF:110132.4/20

Out: -44.477+/-0.023 χ^2/NDF:159694.2/23

All: -43.867+/-0.016 χ^2/NDF: 271195.6/44



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.898+/-0.743 χ^2/NDF:657.1/6

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -79.494+/-0.844 χ^2/NDF:107.4/4

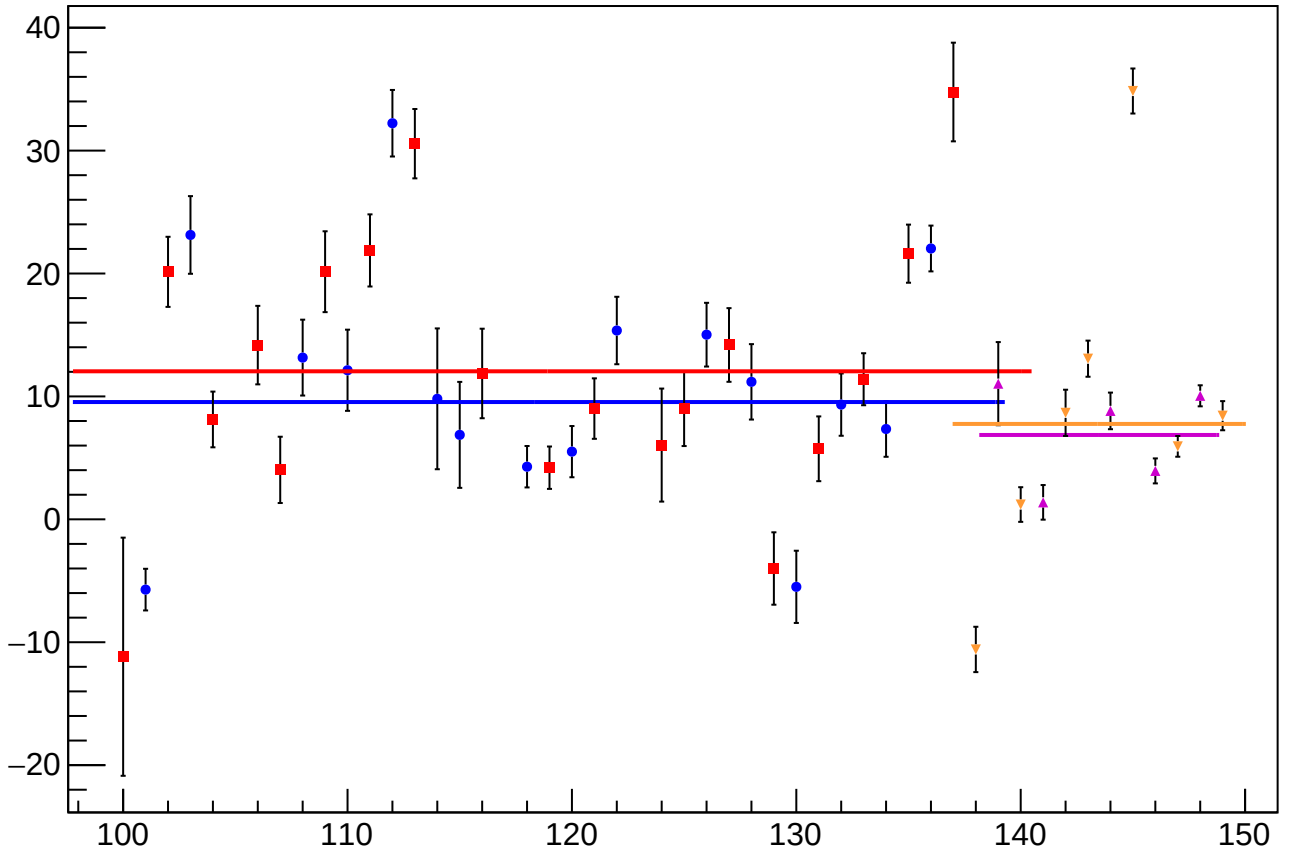
Left: -76.905+/-0.558 χ^2/NDF: 781.2/11

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.421+/-0.495 χ^2/NDF:1583.3/20

Out: -78.147+/-0.469 χ^2/NDF:1603.5/25

All: -78.749+/-0.340 χ^2/NDF: 3190.3/46



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 7.761+/-0.503 χ^2/NDF:357.5/6

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 6.863+/-0.544 χ^2/NDF:40.5/4

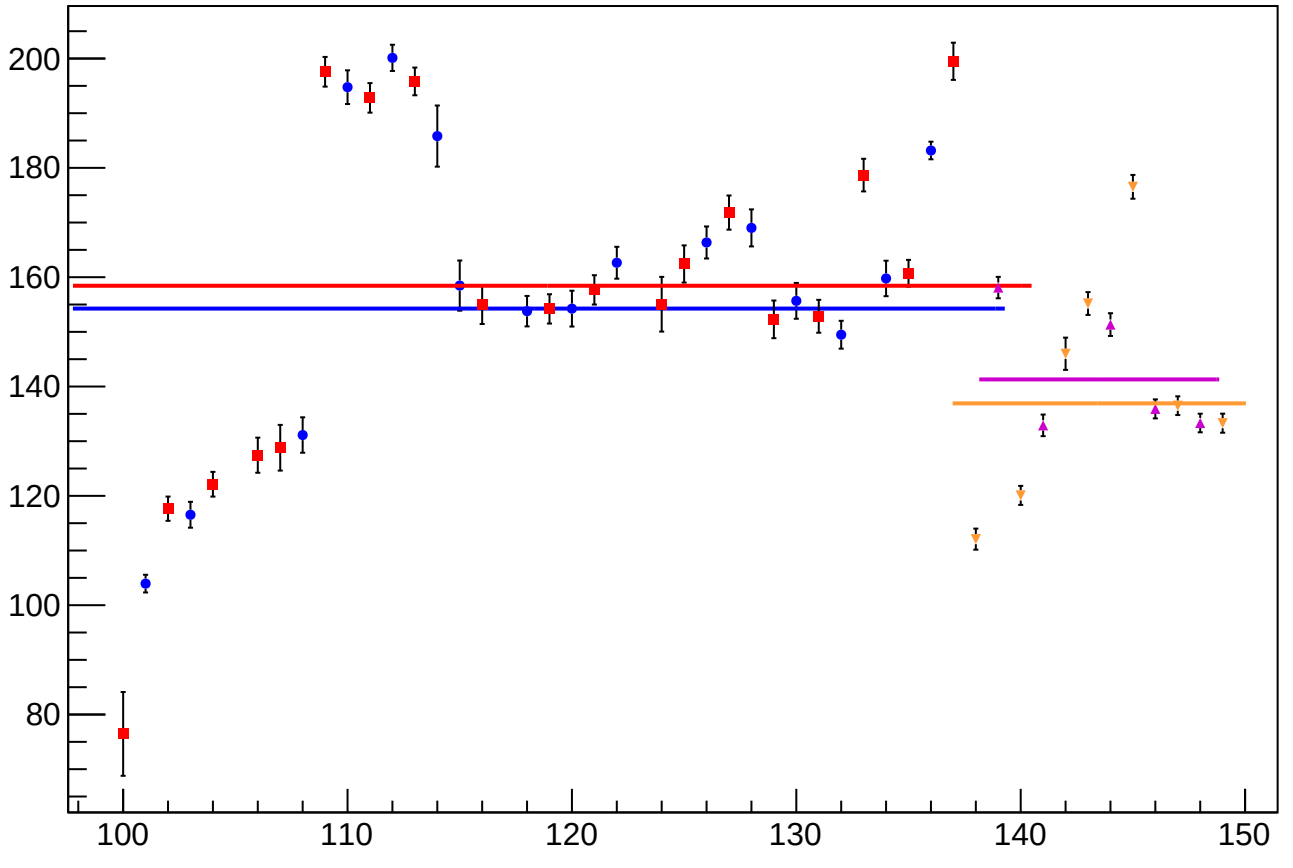
Left: 7.348+/-0.369 χ^2/NDF: 399.5/11

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 8.027+/-0.409 χ^2/NDF:318.1/20

Out: 9.405+/-0.395 χ^2/NDF:581.2/25

All: 8.741+/-0.284 χ^2/NDF: 905.2/46



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 136.920+/-0.740 χ^2/NDF:681.1/6

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 141.299+/-0.838 χ^2/NDF:146.6/4

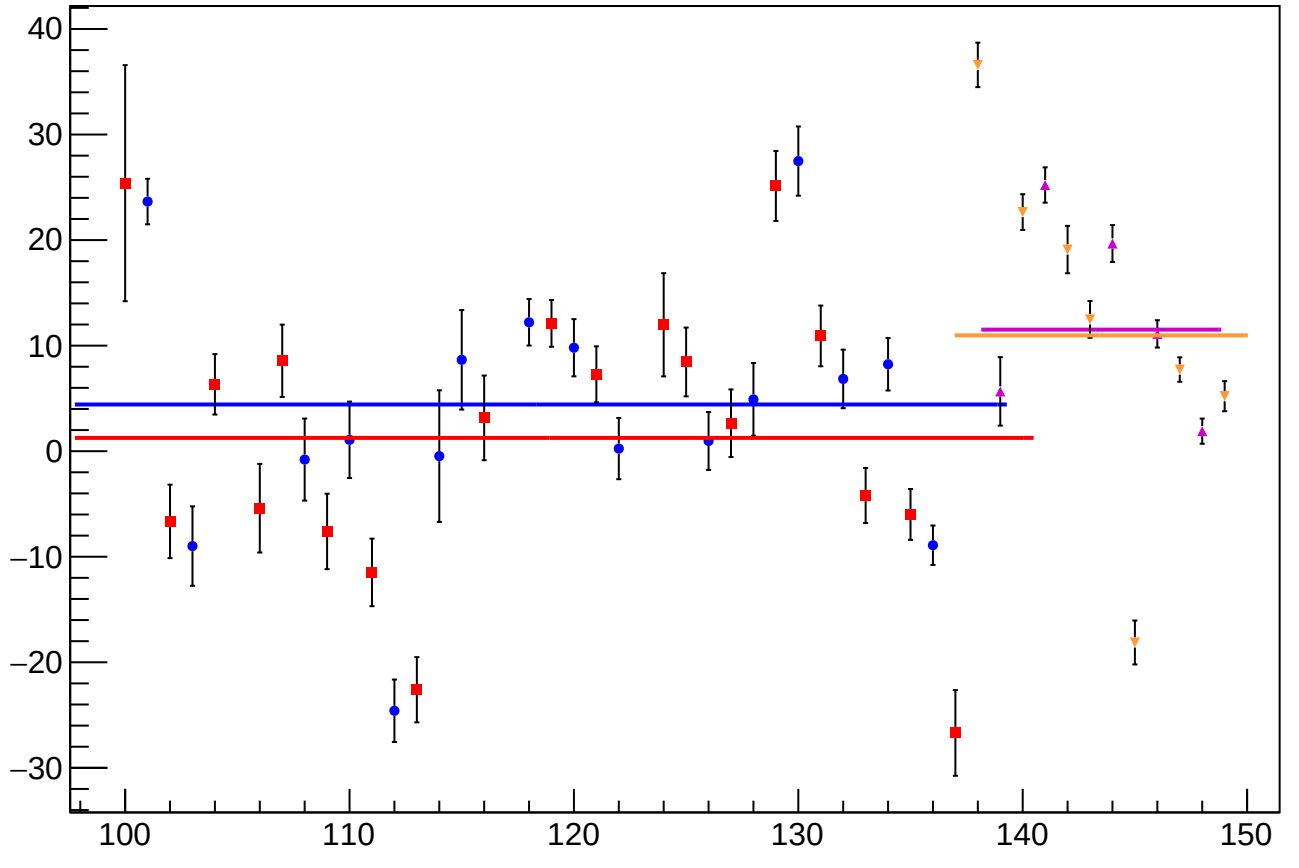
Left: 138.839+/-0.555 χ^2/NDF: 843.1/11

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 149.279+/-0.519 χ^2/NDF:2507.7/20

Out: 148.542+/-0.502 χ^2/NDF:2802.2/25

All: 148.898+/-0.361 χ^2/NDF: 5310.9/46



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 10.973+/-0.623 χ^2/NDF:428.9/6

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 11.516+/-0.693 χ^2/NDF:157.3/4

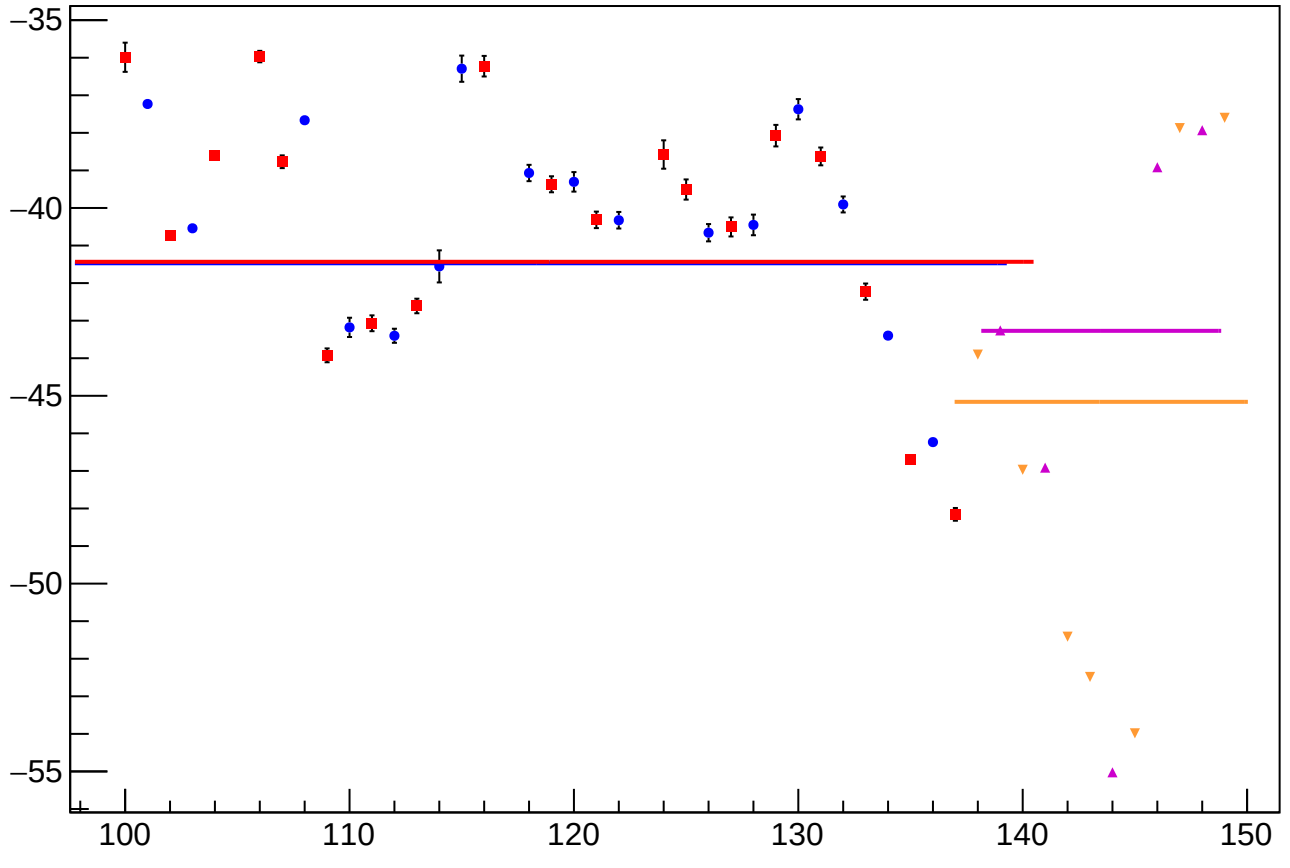
Left: 11.216+/-0.464 χ^2/NDF: 586.5/11

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 8.073+/-0.497 χ^2/NDF:524.1/20

Out: 6.888+/-0.474 χ^2/NDF:795.9/25

All: 7.452+/-0.343 χ^2/NDF: 1323.0/46



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -45.161+/-0.031 χ^2/NDF:40968.9/6

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: -44.299+/-0.023 χ^2/NDF: 70027.3/11

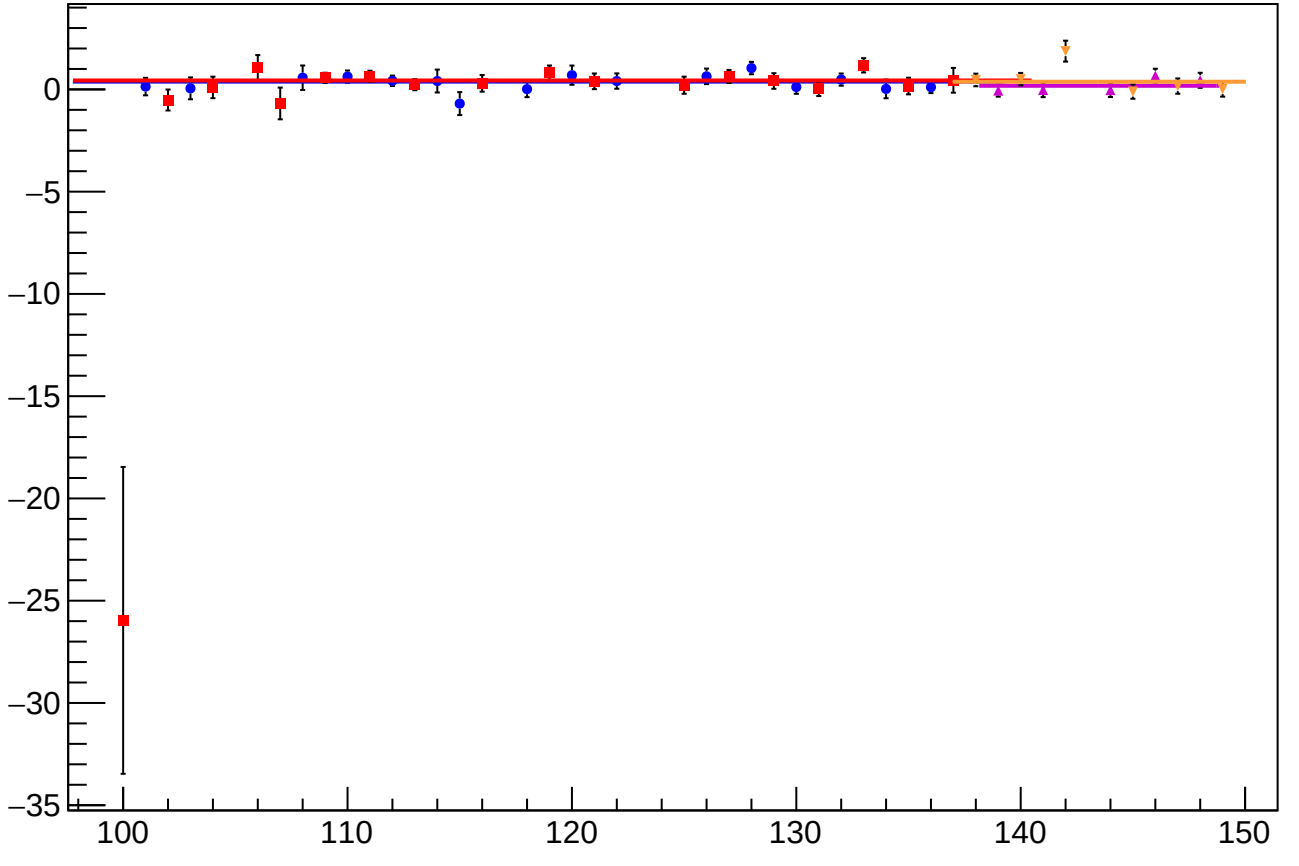
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -42.473+/-0.025 χ^2/NDF:36531.4/20

Out: -43.732+/-0.024 χ^2/NDF:54684.2/25

All: -43.126+/-0.018 χ^2/NDF: 92491.7/46

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.375+/-0.145 χ^2/NDF:11.9/5

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: 0.280+/-0.104 χ^2/NDF: 16.8/10

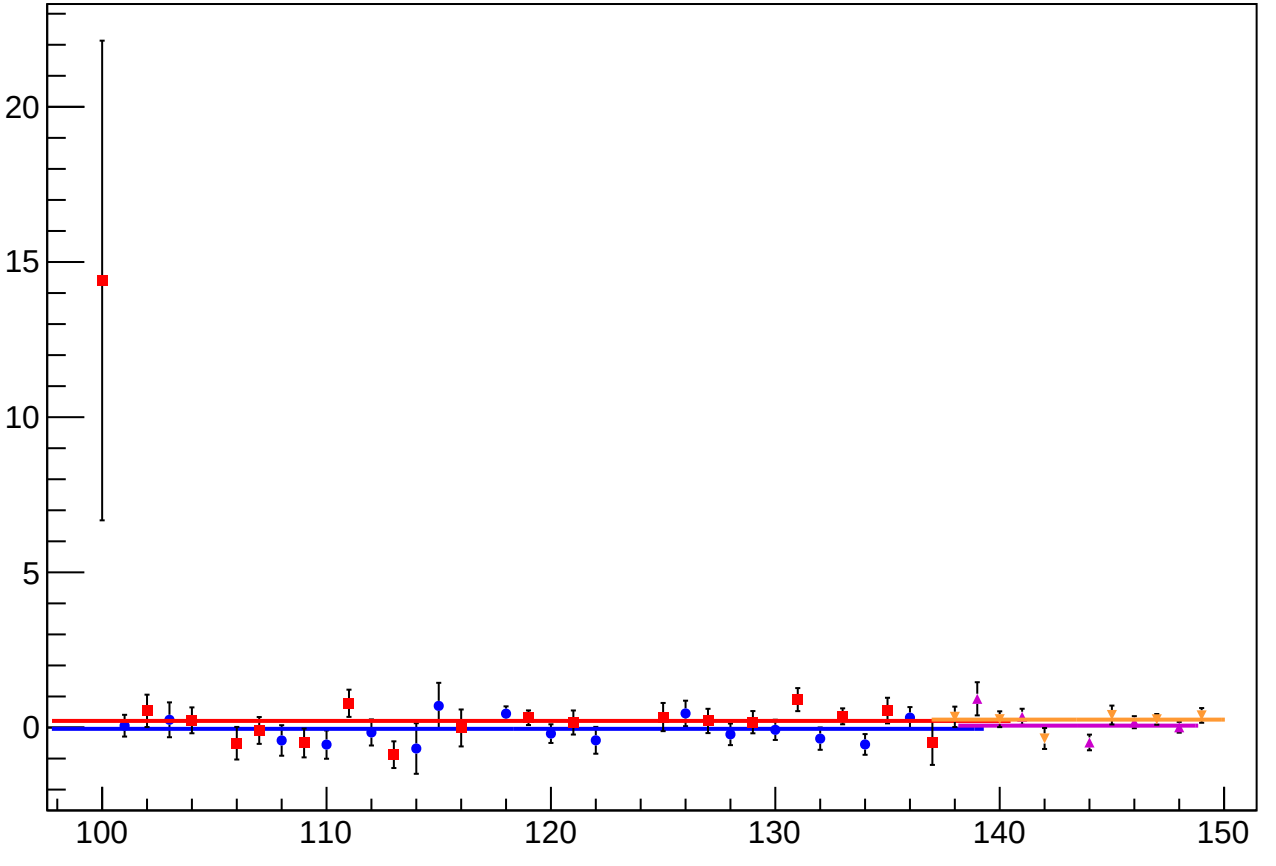
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.327+/-0.079 χ^2/NDF:19.3/20

Out: 0.419+/-0.077 χ^2/NDF:41.1/23

All: 0.374+/-0.055 χ^2/NDF: 61.0/44

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.255+/-0.102 χ^2/NDF:3.9/5

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.061+/-0.103 χ^2/NDF:8.9/4

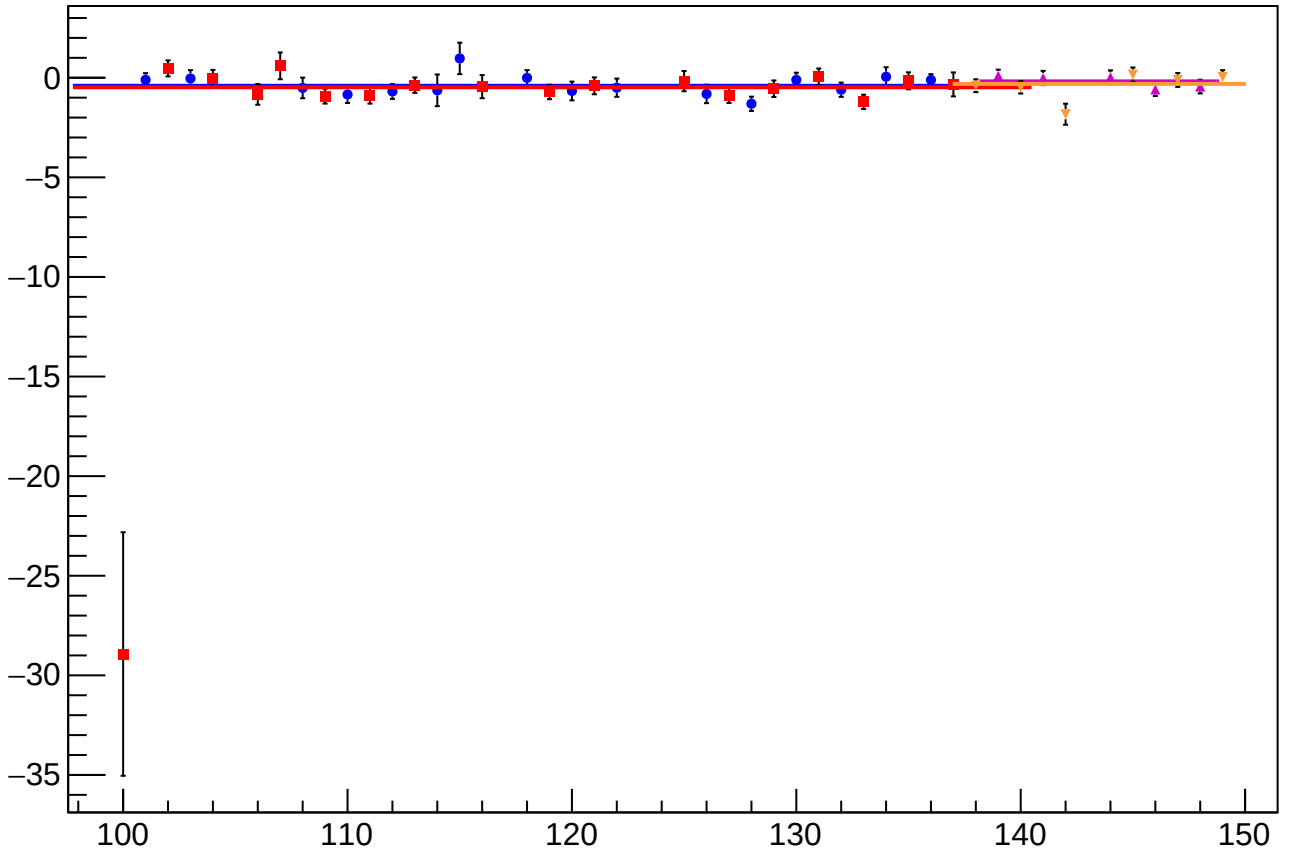
Left: 0.159+/-0.073 χ^2/NDF: 14.6/10

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.004+/-0.070 χ^2/NDF:24.4/20

Out: 0.232+/-0.070 χ^2/NDF:26.4/23

All: 0.118+/-0.049 χ^2/NDF: 56.2/44



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.309+/-0.145 χ^2/NDF:11.7/5

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: -0.249+/-0.104 χ^2/NDF: 15.6/10

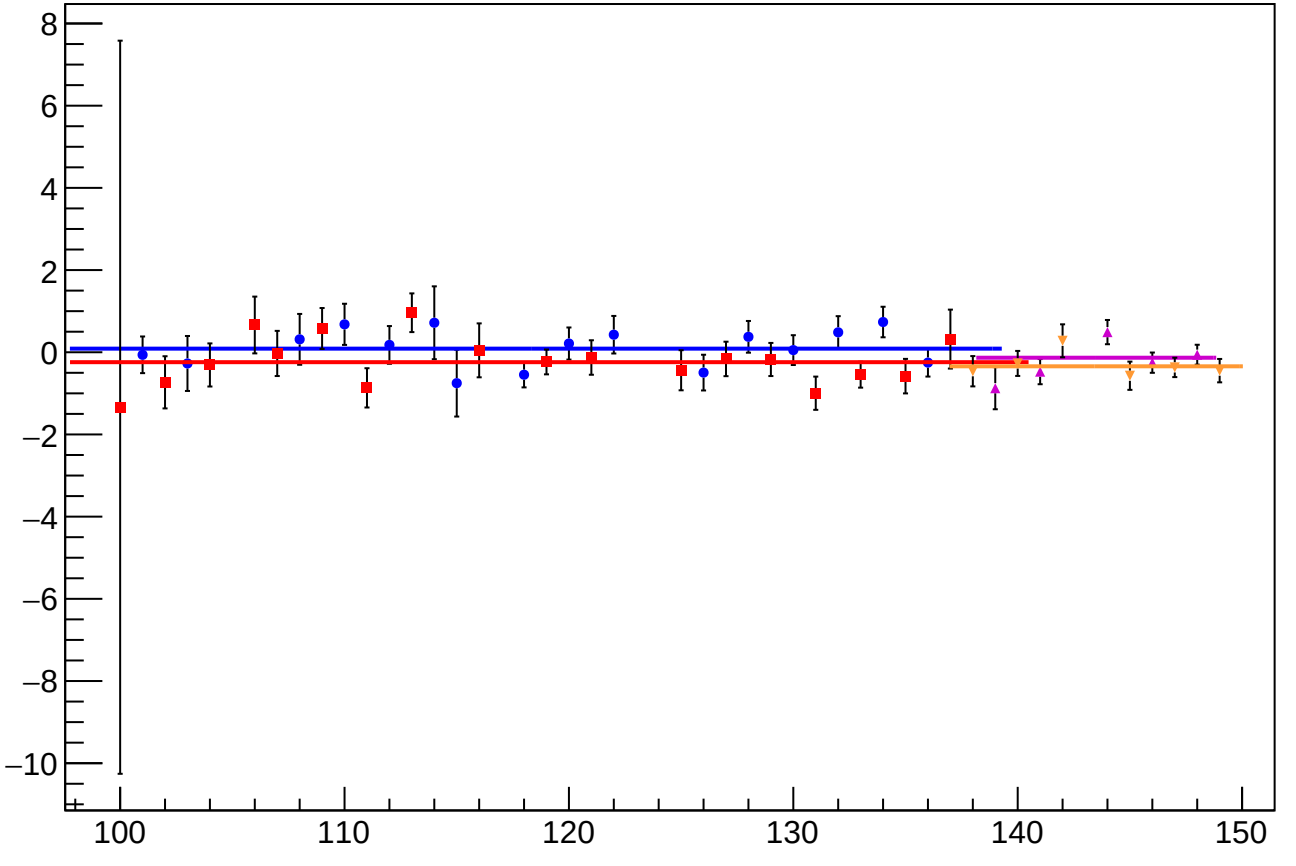
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.335+/-0.085 χ^2/NDF:22.7/20

Out: -0.420+/-0.085 χ^2/NDF:54.8/23

All: -0.378+/-0.060 χ^2/NDF: 78.1/44

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.342+/-0.126 χ^2/NDF:3.1/5

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.133+/-0.130 χ^2/NDF:8.1/4

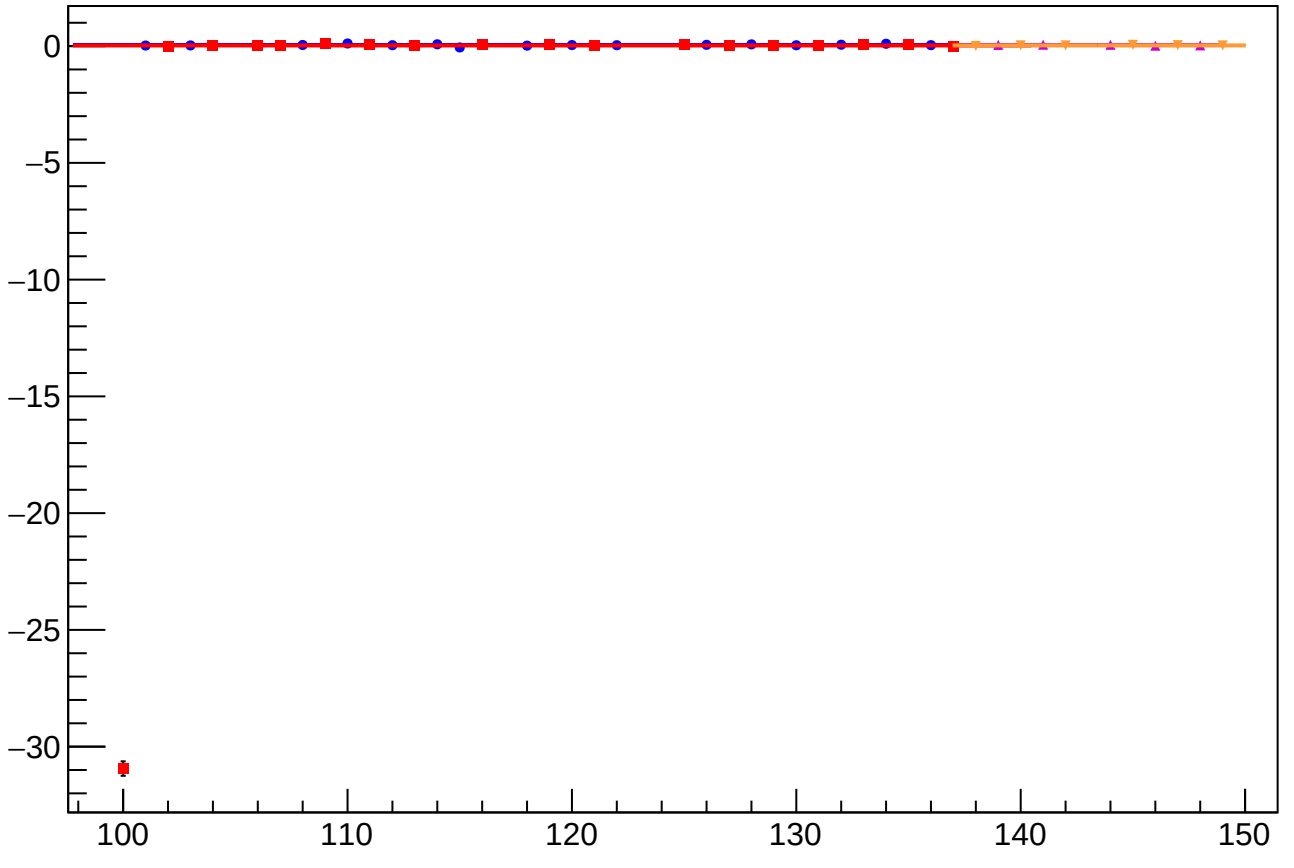
Left: -0.241+/-0.090 χ^2/NDF: 12.6/10

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.003+/-0.083 χ^2/NDF:25.7/20

Out: -0.285+/-0.083 χ^2/NDF:23.1/23

All: -0.145+/-0.059 χ^2/NDF: 54.6/44



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.030+/-0.006 χ^2/NDF:6.6/5

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: 15.7/10

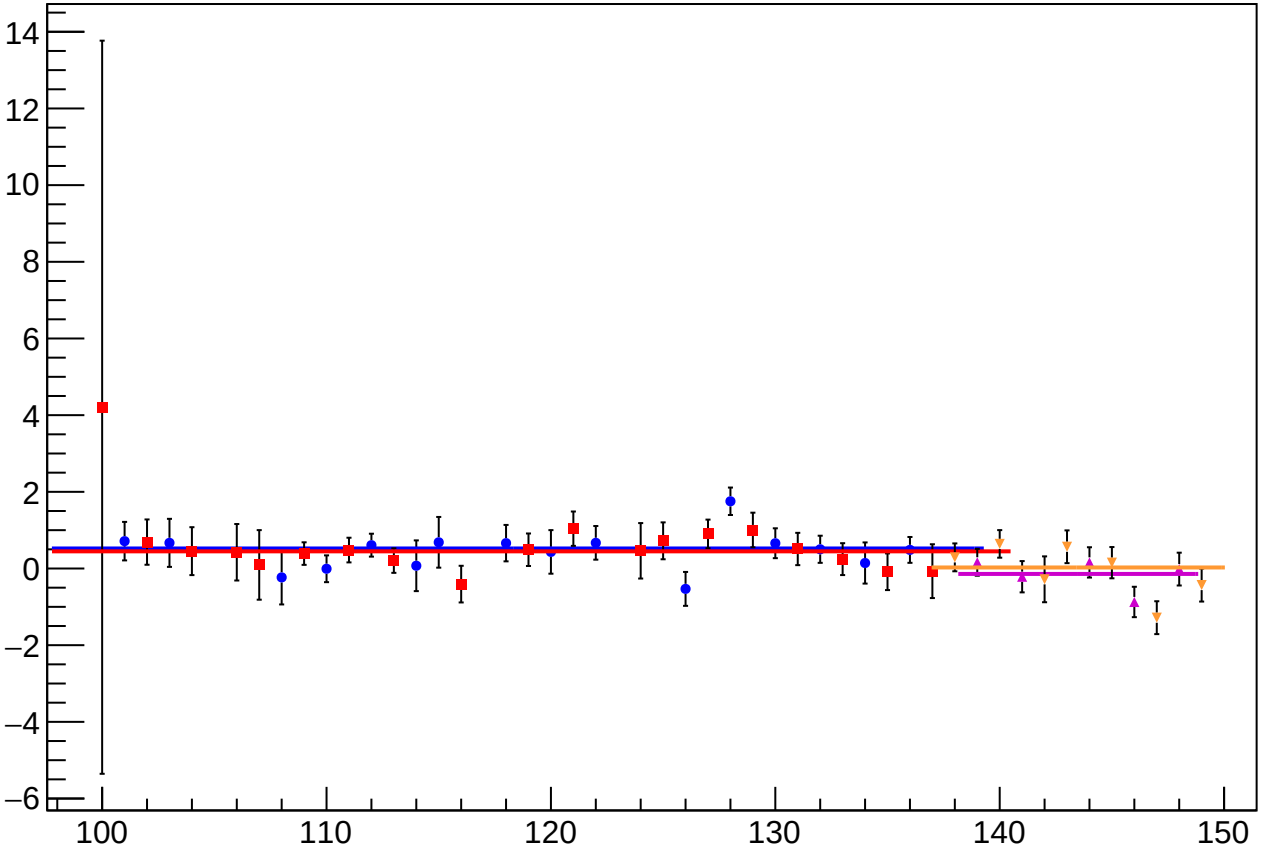
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.047+/-0.004 χ^2/NDF:25.6/20

Out: 0.029+/-0.004 χ^2/NDF:10027.6/23

All: 0.038+/-0.003 χ^2/NDF: 10061.2/44

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.027+/-0.157 χ^2/NDF:15.9/6

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.142+/-0.176 χ^2/NDF:4.9/4

Left: -0.048+/-0.117 χ^2/NDF: 21.2/11

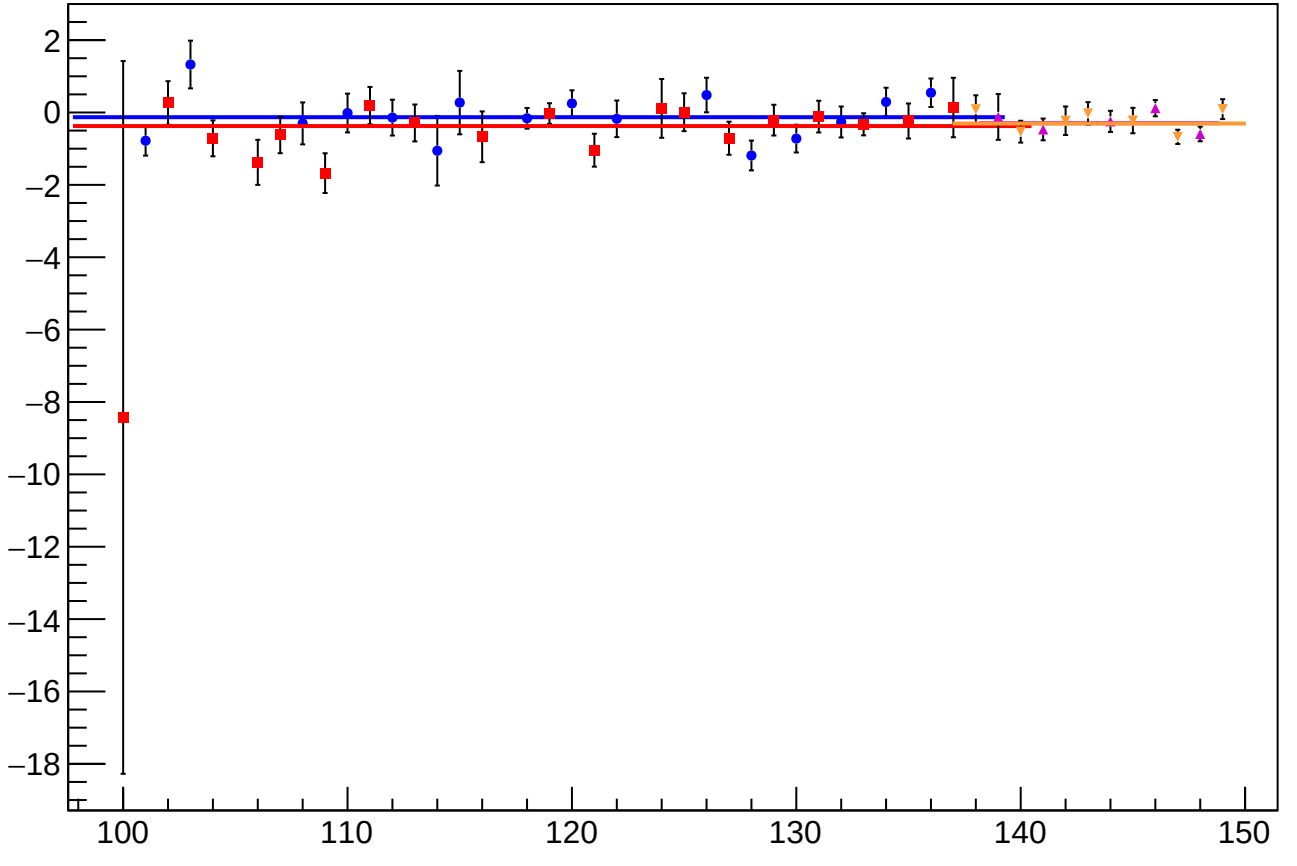
Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.339+/-0.092 χ^2/NDF:37.8/20

Out: 0.318+/-0.087 χ^2/NDF:32.2/25

All: 0.328+/-0.063 χ^2/NDF: 70.1/46

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.305+/-0.111 χ^2/NDF:8.1/6

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.295+/-0.120 χ^2/NDF:6.0/4

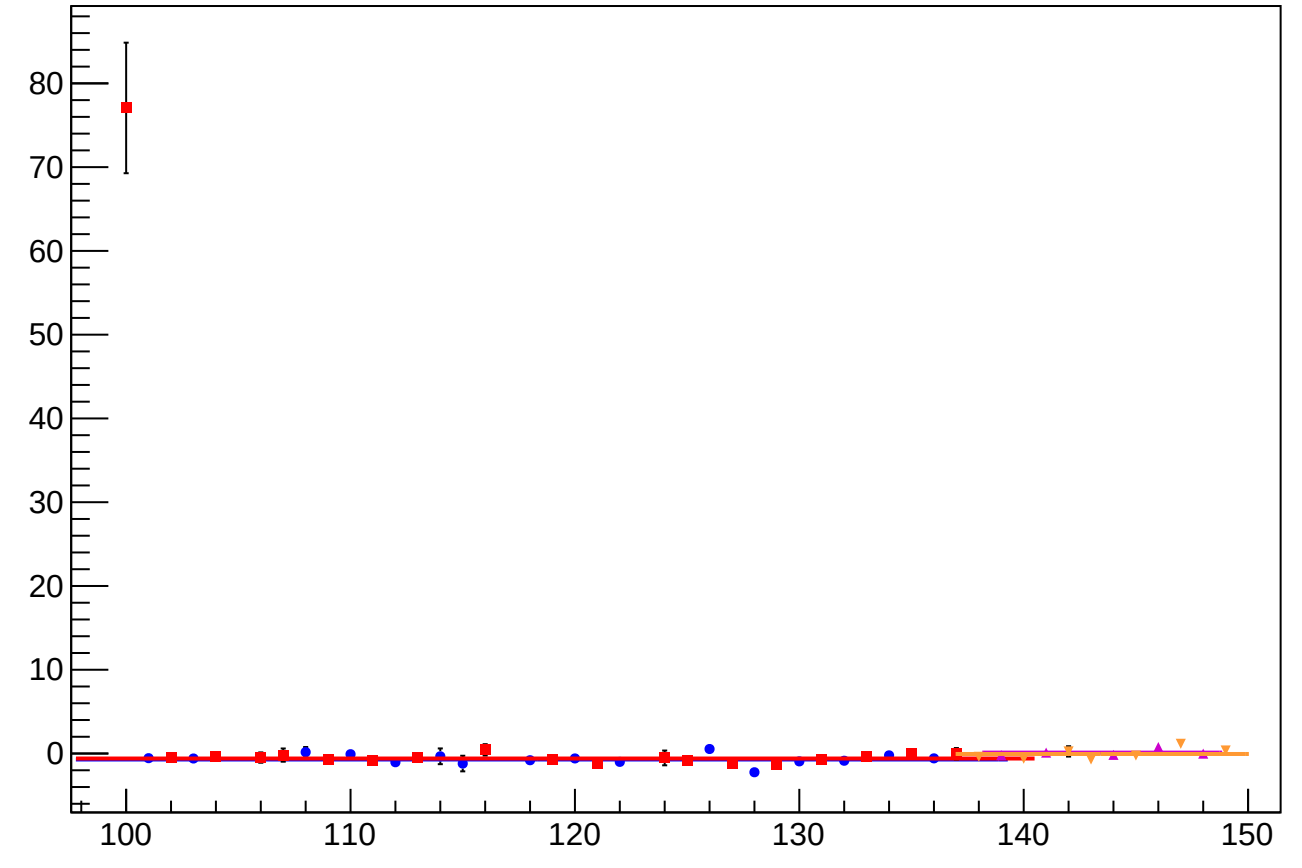
Left: -0.300+/-0.081 χ^2/NDF: 14.1/11

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.207+/-0.082 χ^2/NDF:31.6/20

Out: -0.340+/-0.079 χ^2/NDF:26.5/25

All: -0.276+/-0.057 χ^2/NDF: 59.5/46



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.056+/-0.158 χ^2/NDF:16.1/6

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: 0.017+/-0.117 χ^2/NDF: 20.9/11

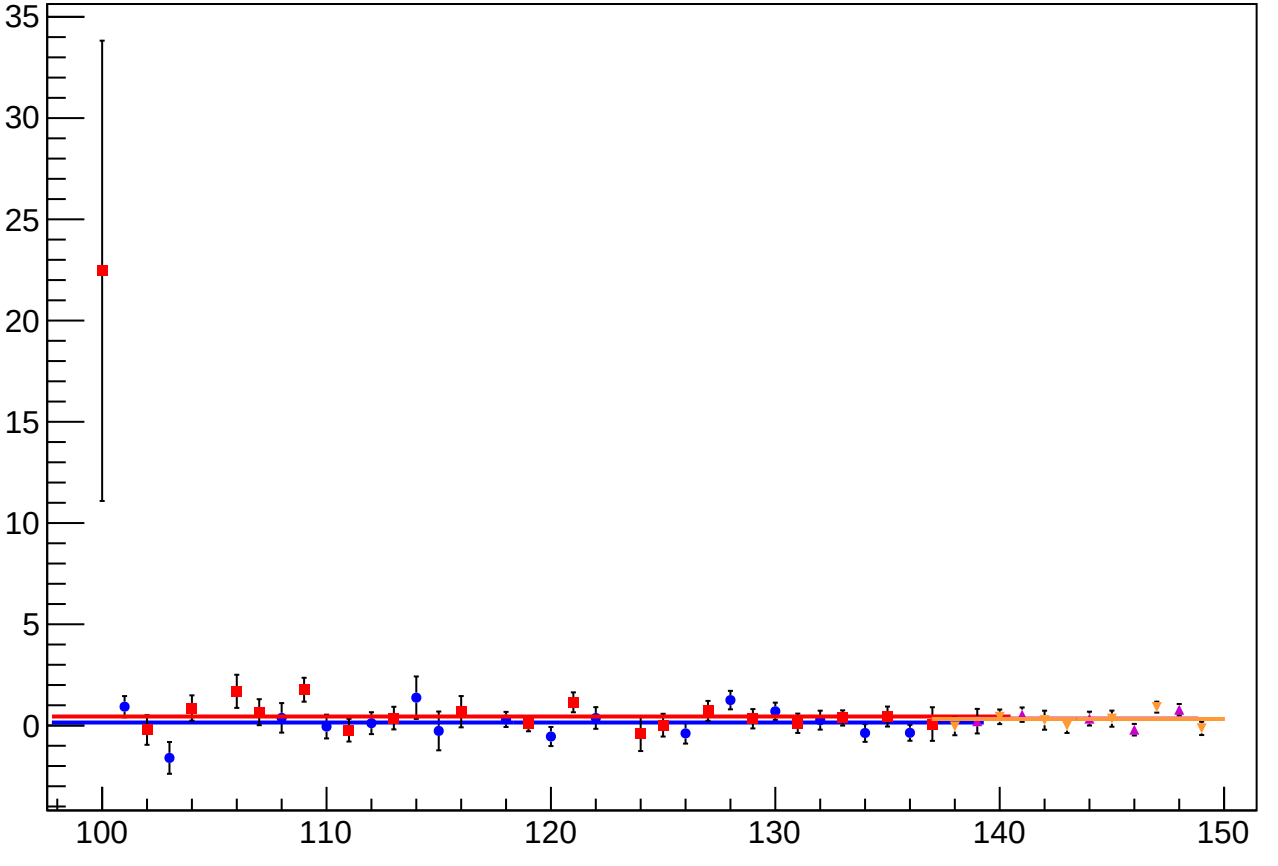
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.447+/-0.100 χ^2/NDF:43.9/20

Out: -0.395+/-0.096 χ^2/NDF:134.5/25

All: -0.420+/-0.069 χ^2/NDF: 178.5/46

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.323+/-0.136 χ^2/NDF:8.3/6

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.343+/-0.151 χ^2/NDF:6.5/4

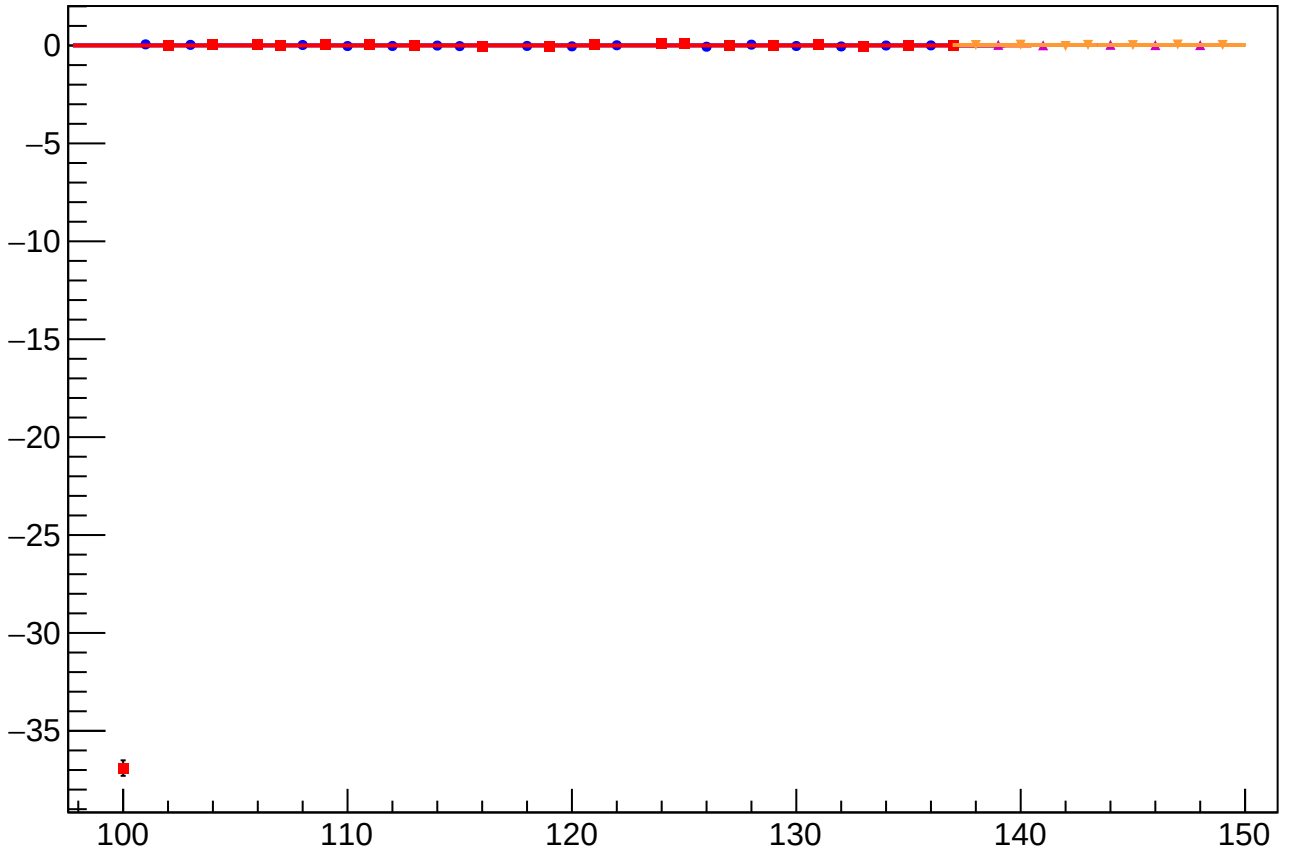
Left: 0.332+/-0.101 χ^2/NDF: 14.7/11

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.230+/-0.098 χ^2/NDF:30.7/20

Out: 0.387+/-0.093 χ^2/NDF:28.4/25

All: 0.312+/-0.067 χ^2/NDF: 60.5/46



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.007 χ^2/NDF:7.0/6

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.026+/-0.007 χ^2/NDF:1.5/4

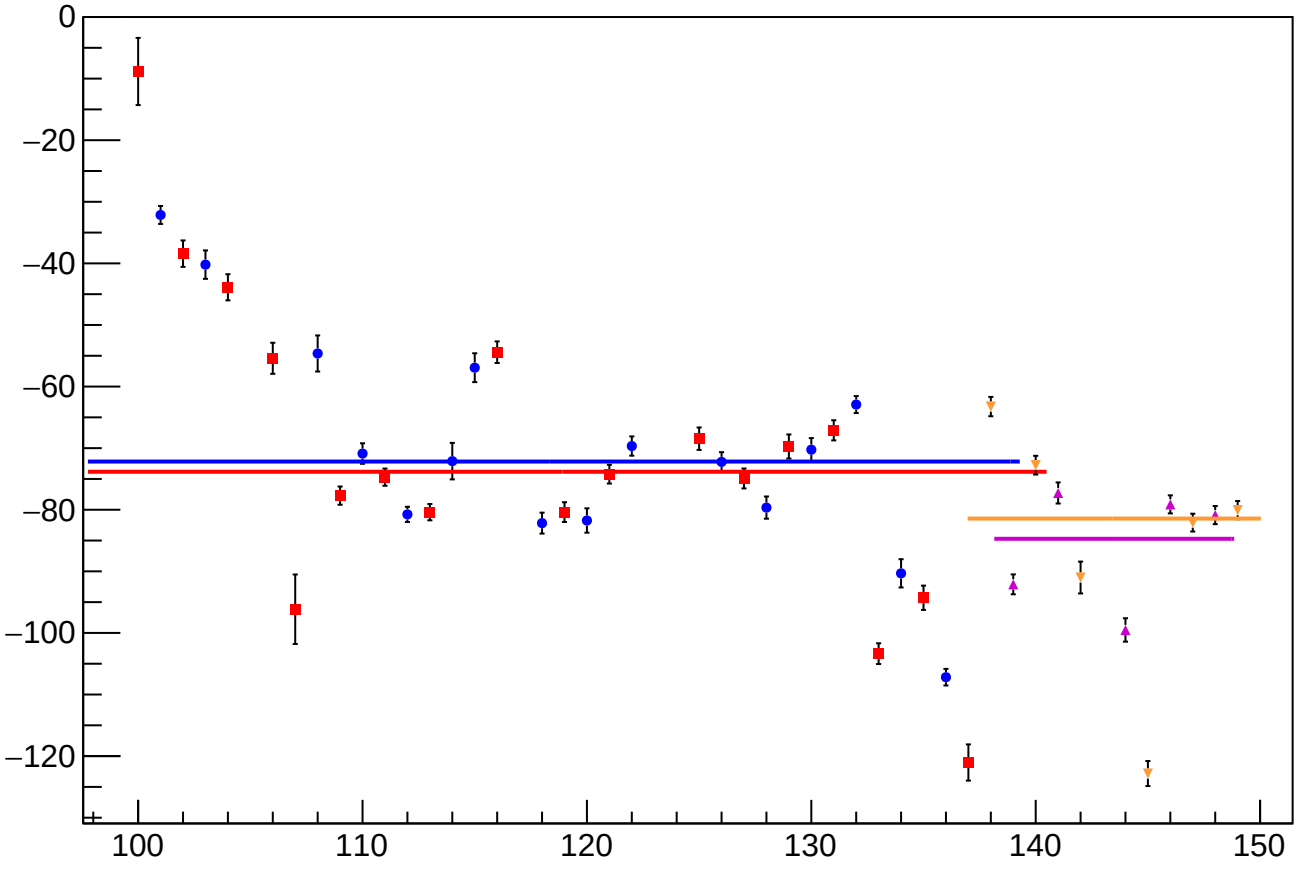
Left: 0.026+/-0.005 χ^2/NDF: 8.5/11

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.017+/-0.005 χ^2/NDF:22.9/20

Out: 0.016+/-0.005 χ^2/NDF:8766.2/25

All: 0.016+/-0.004 χ^2/NDF: 8789.1/46



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -81.433+/-0.679 χ^2/NDF:596.4/5

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -84.715+/-0.721 χ^2/NDF:121.7/4

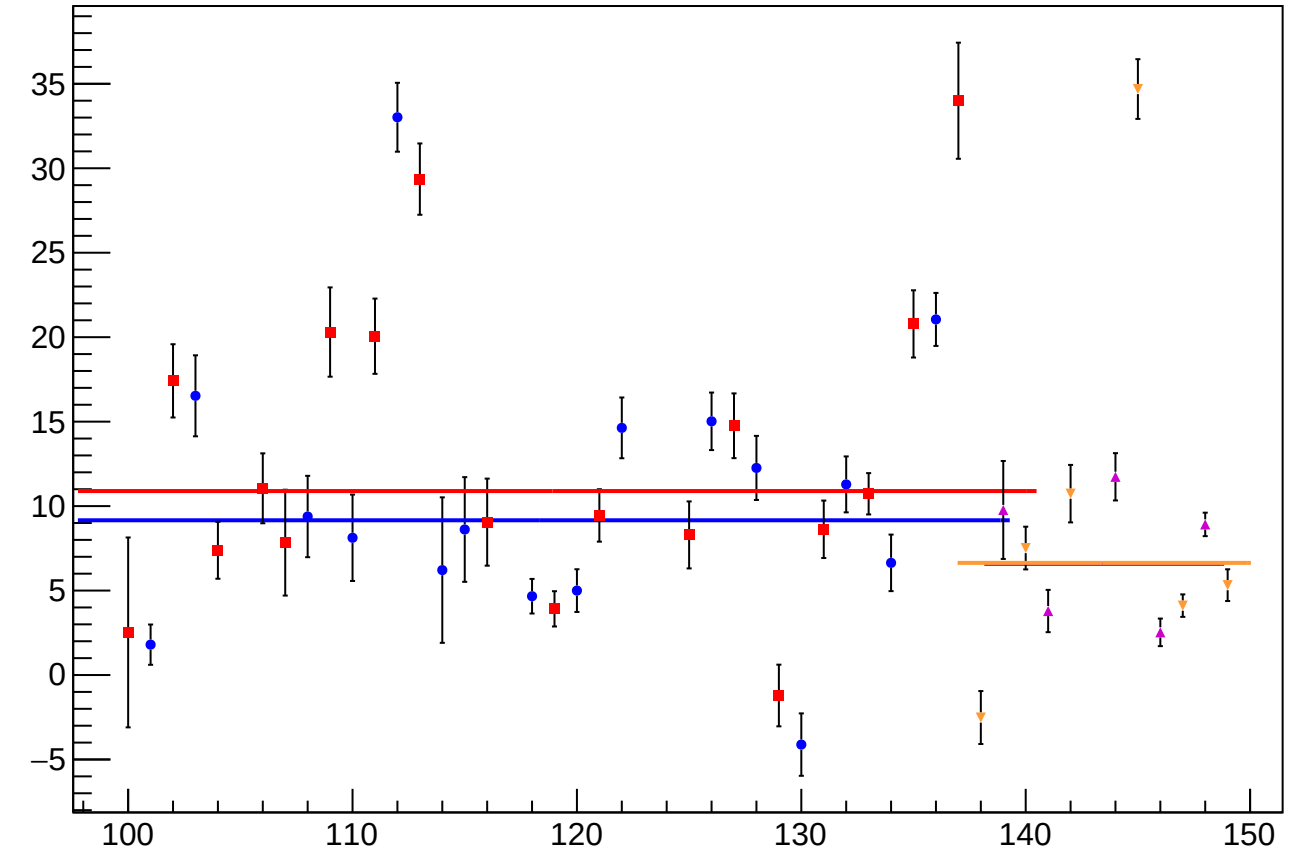
Left: -82.977+/-0.494 χ^2/NDF: 729.1/10

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.489+/-0.370 χ^2/NDF:2280.5/20

Out: -76.009+/-0.364 χ^2/NDF:2243.4/23

All: -75.754+/-0.260 χ^2/NDF: 4525.0/44



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 6.640+/-0.443 χ^2/NDF:308.7/5

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 6.576+/-0.454 χ^2/NDF:55.7/4

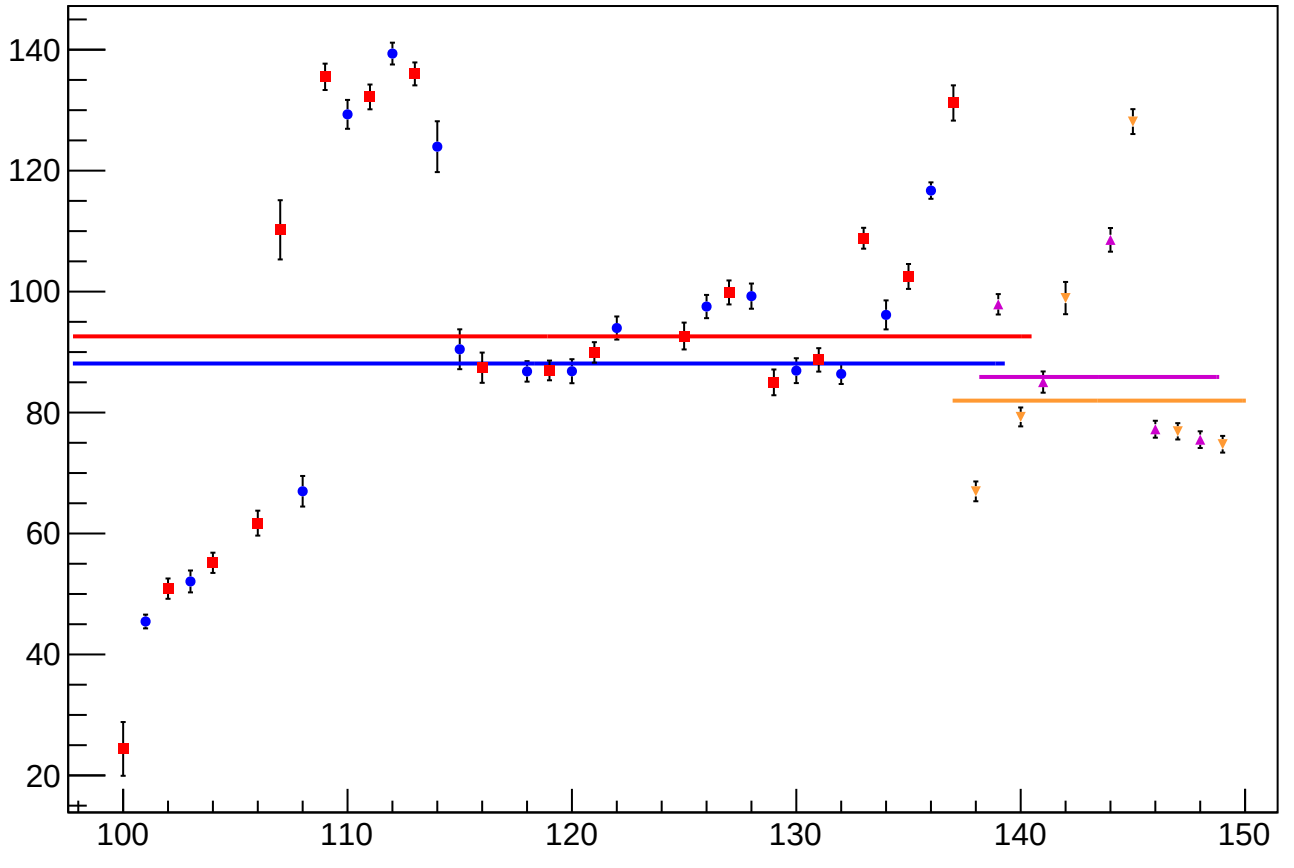
Left: 6.609+/-0.317 χ^2/NDF: 364.4/10

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 7.955+/-0.310 χ^2/NDF:425.1/20

Out: 8.781+/-0.312 χ^2/NDF:645.2/23

All: 8.365+/-0.220 χ^2/NDF: 1073.8/44



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 81.972+/-0.669 χ^2/NDF:671.3/5

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 85.886+/-0.712 χ^2/NDF:279.5/4

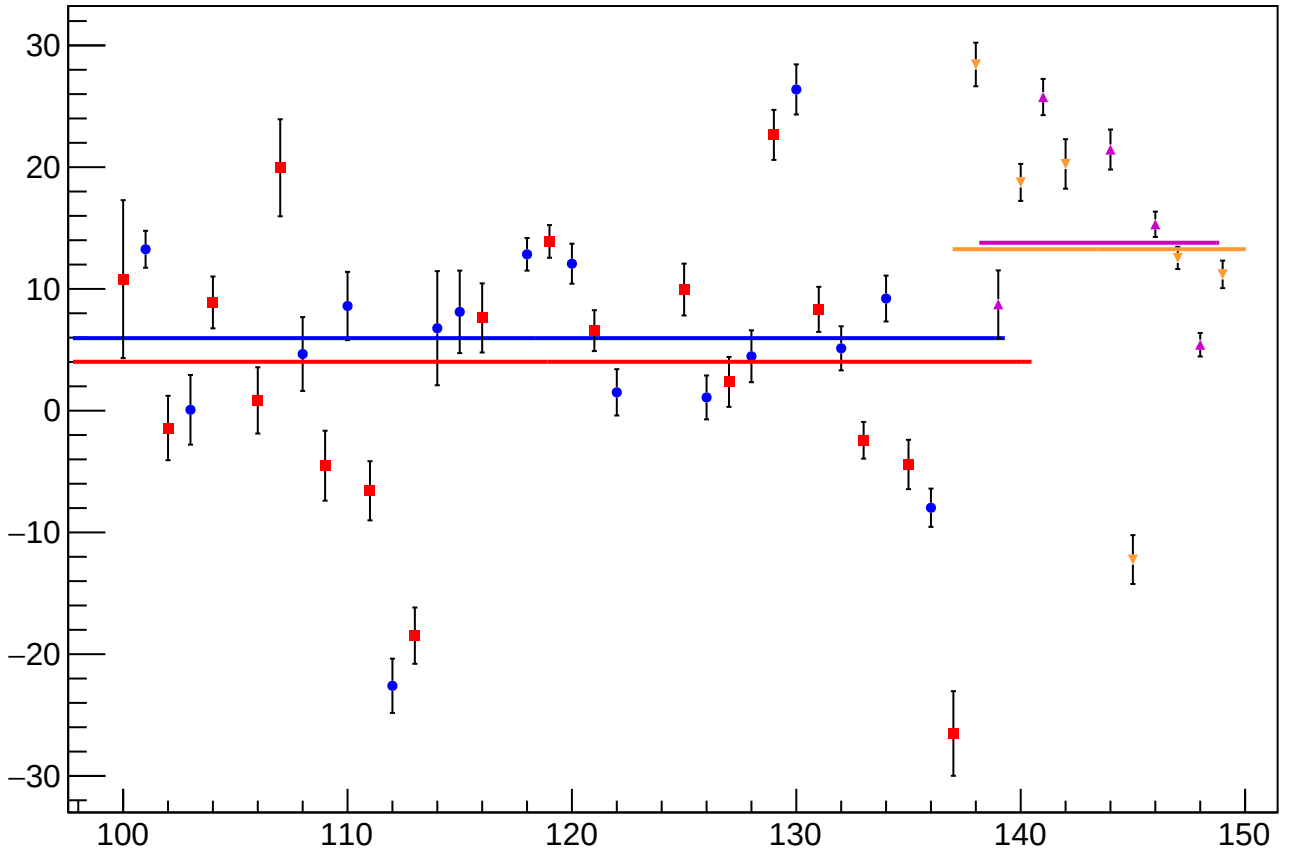
Left: 83.807+/-0.488 χ^2/NDF: 966.8/10

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 87.437+/-0.391 χ^2/NDF:3848.0/20

Out: 88.956+/-0.392 χ^2/NDF:4048.0/23

All: 88.196+/-0.277 χ^2/NDF: 7903.5/44



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.262+/-0.557 χ^2/NDF:262.1/5

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 13.795+/-0.583 χ^2/NDF:166.8/4

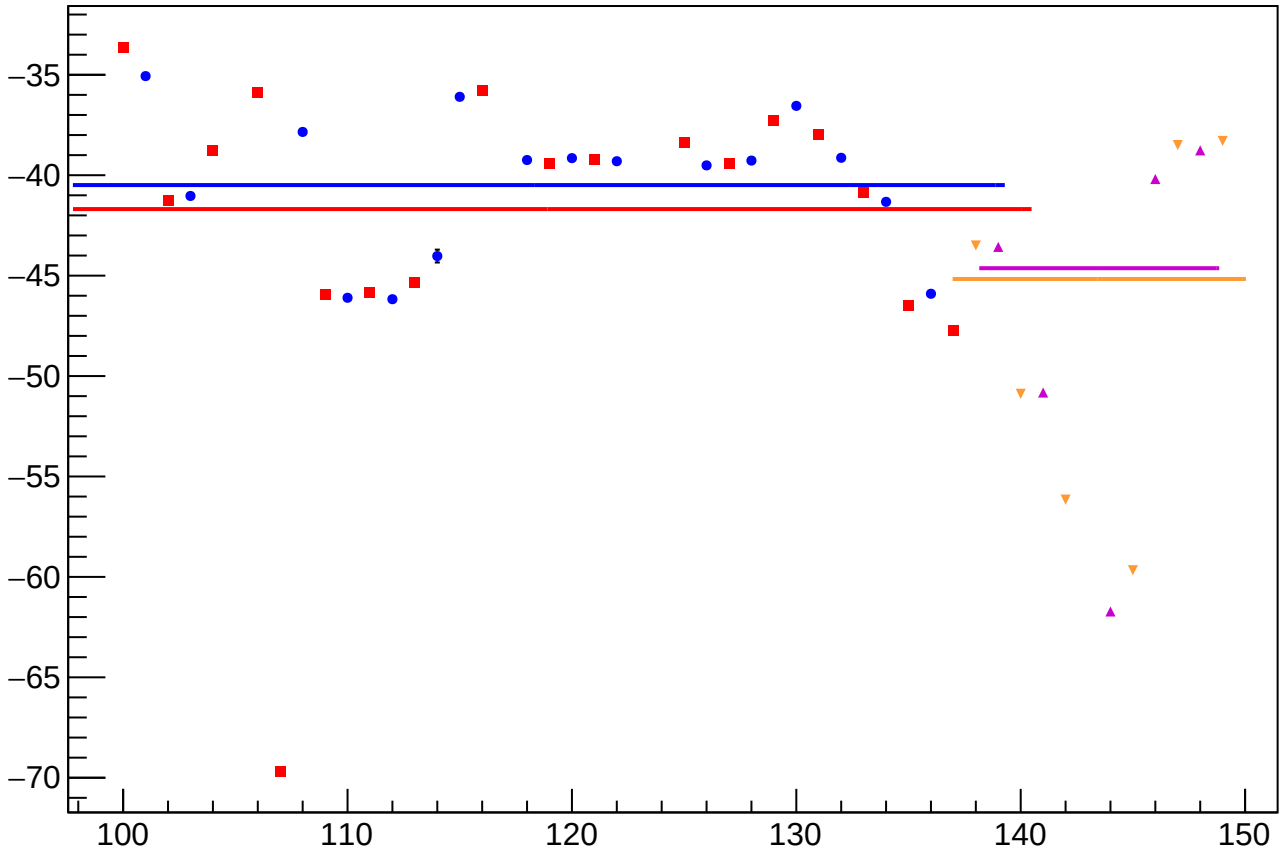
Left: 13.517+/-0.403 χ^2/NDF: 429.4/10

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 9.240+/-0.377 χ^2/NDF:698.7/20

Out: 8.227+/-0.376 χ^2/NDF:829.7/23

All: 8.732+/-0.266 χ^2/NDF: 1532.1/44



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -45.166+/-0.028 χ^2/NDF:75633.8/5

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -44.630+/-0.029 χ^2/NDF:61974.9/4

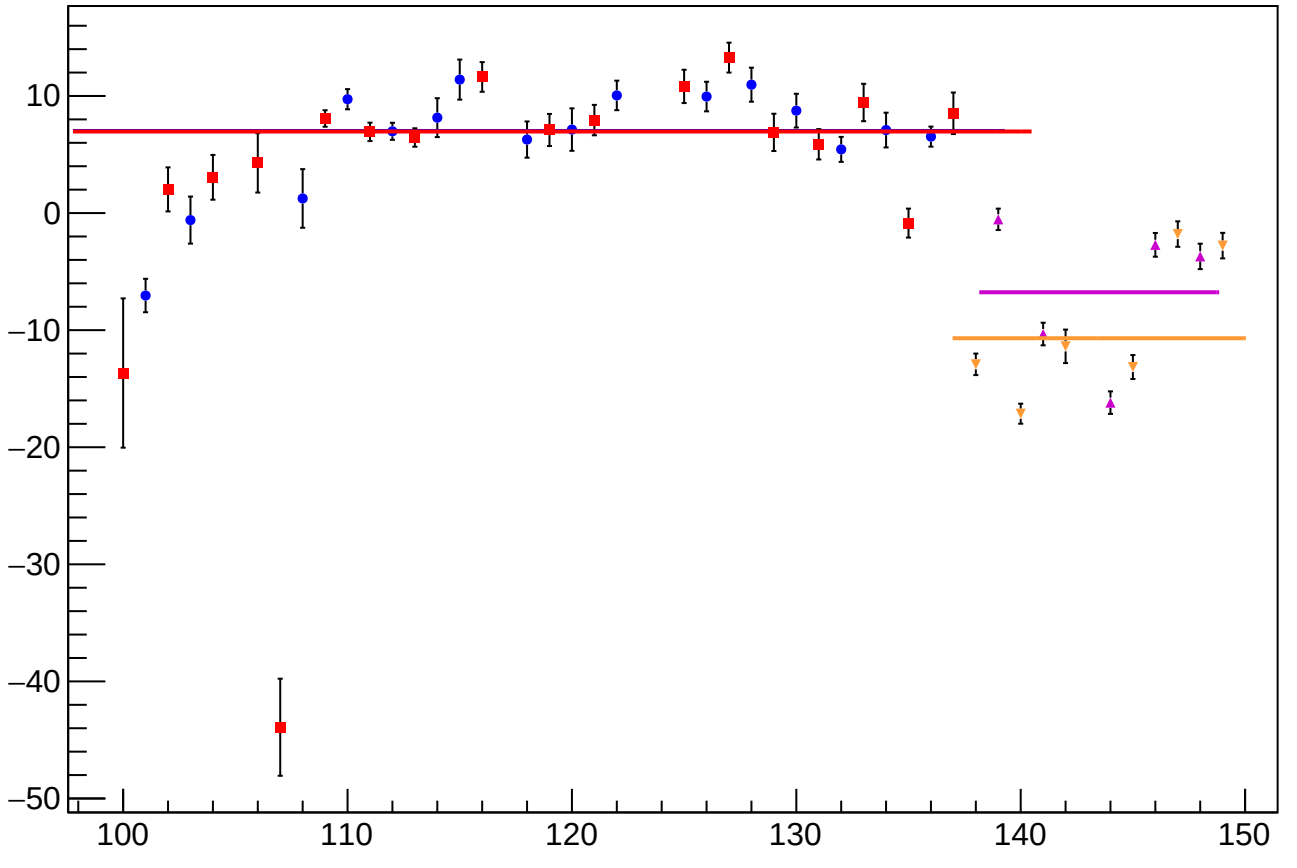
Left: -44.904+/-0.020 χ^2/NDF: 137784.7/10

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -42.518+/-0.020 χ^2/NDF:90567.4/20

Out: -43.484+/-0.020 χ^2/NDF:119785.8/23

All: -42.998+/-0.014 χ^2/NDF: 211486.4/44



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -10.691+/-0.420 χ^2/NDF:188.1/5

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.764+/-0.440 χ^2/NDF:180.1/4

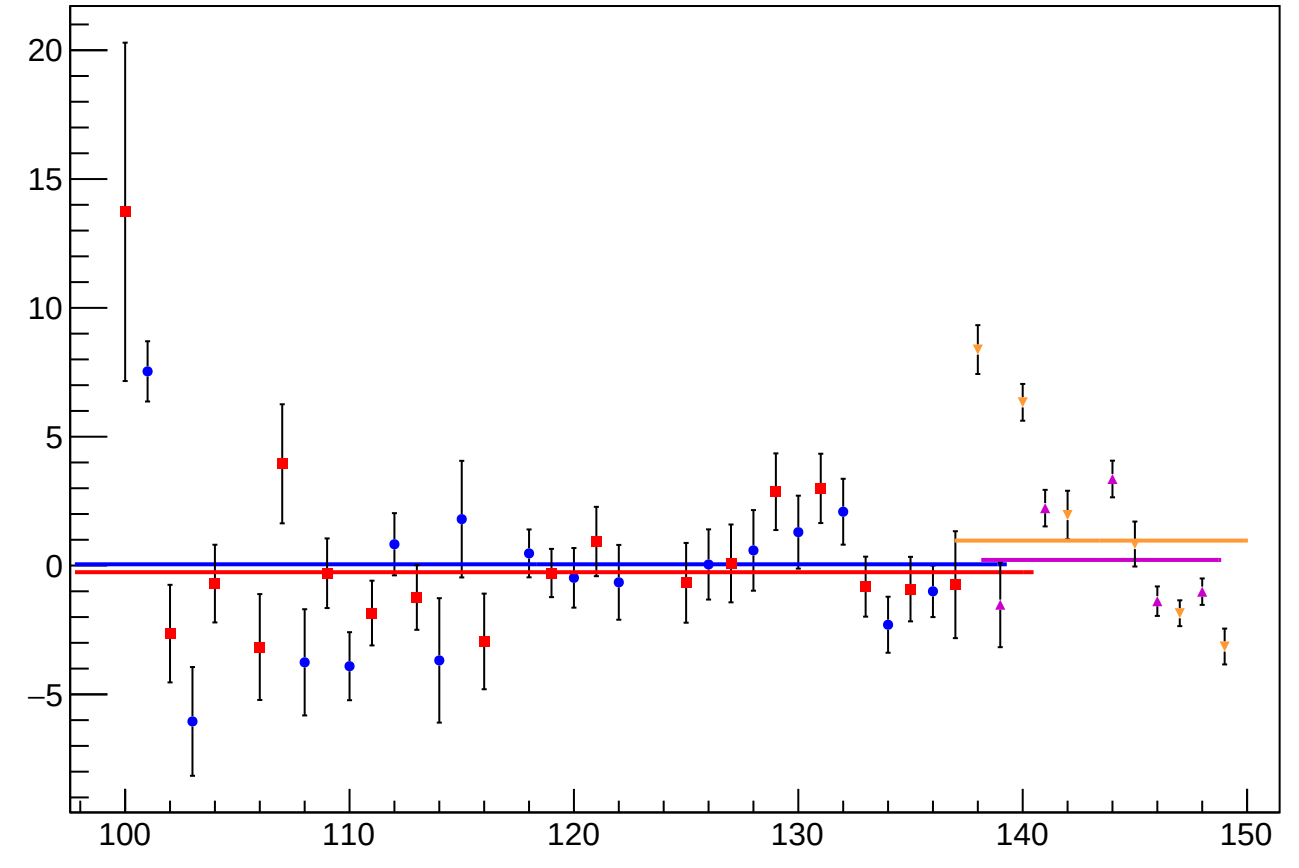
Left: -8.819+/-0.304 χ^2/NDF: 409.9/10

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 2.453+/-0.253 χ^2/NDF:992.9/20

Out: 1.042+/-0.243 χ^2/NDF:1630.8/23

All: 1.719+/-0.175 χ^2/NDF: 2639.9/44



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.968+/-0.294 χ^2/NDF:185.4/5

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.218+/-0.299 χ^2/NDF:42.2/4

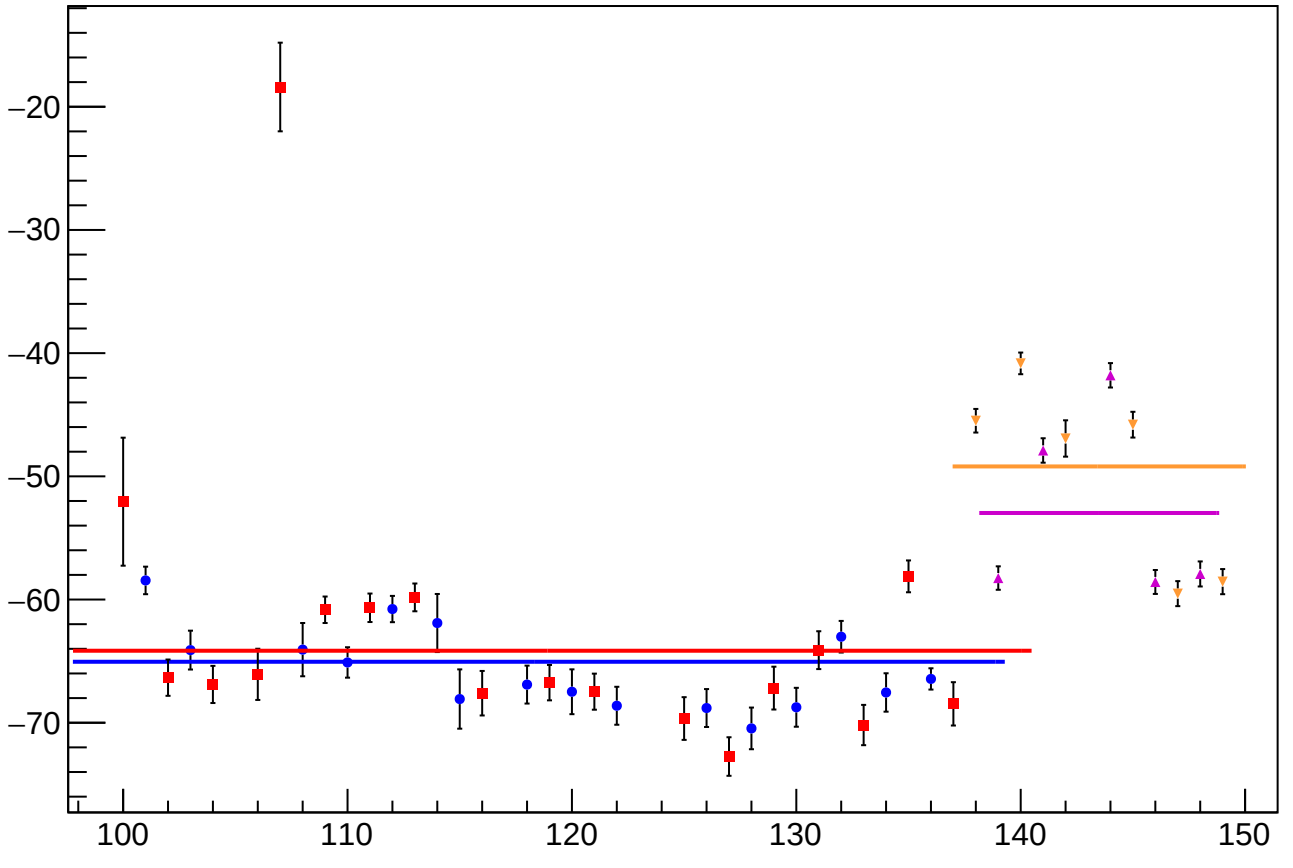
Left: 0.599+/-0.210 χ^2/NDF: 230.8/10

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.142+/-0.222 χ^2/NDF:117.4/20

Out: 0.451+/-0.224 χ^2/NDF:220.3/23

All: 0.295+/-0.158 χ^2/NDF: 338.6/44



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -49.196+/-0.419 χ^2/NDF:305.9/5

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -52.974+/-0.440 χ^2/NDF:241.2/4

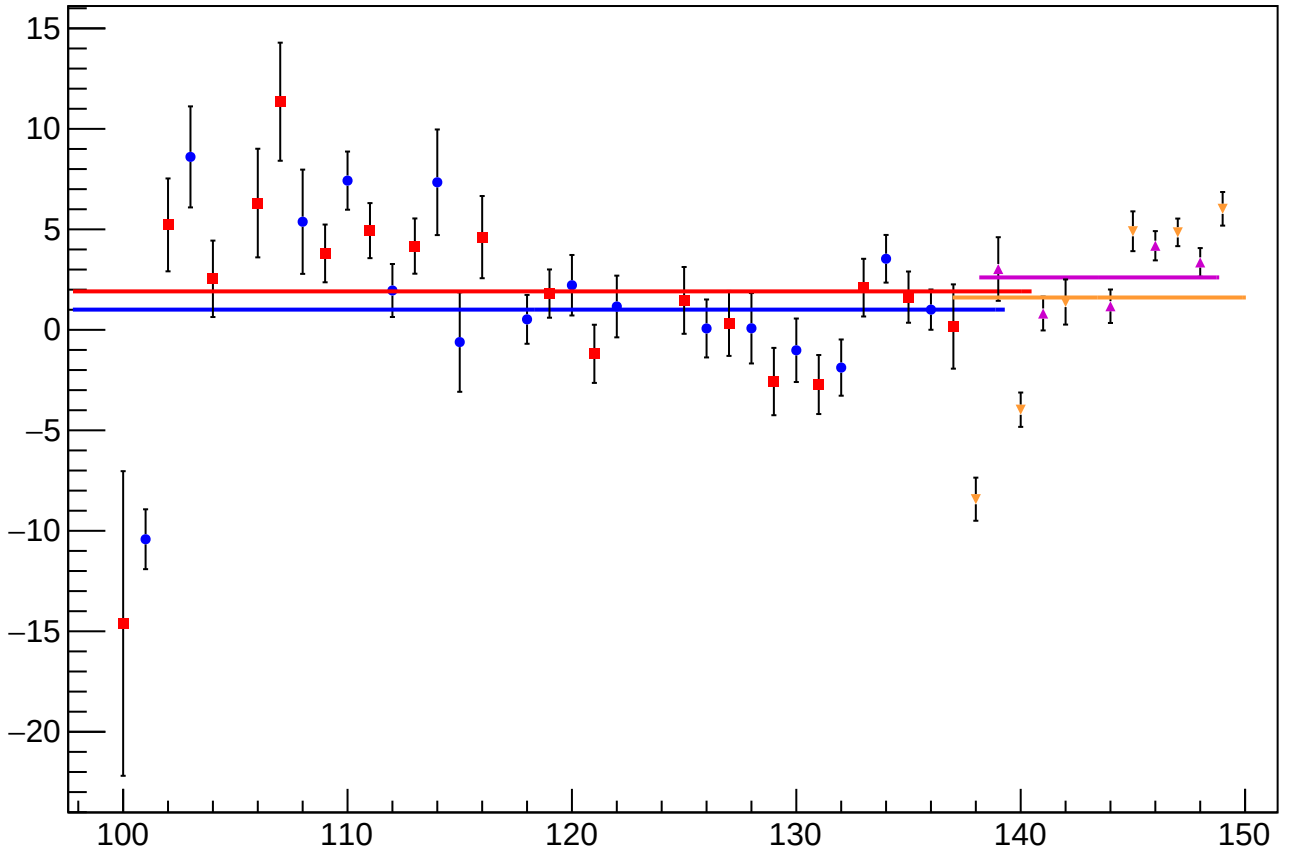
Left: -50.995+/-0.304 χ^2/NDF: 585.8/10

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.304+/-0.276 χ^2/NDF:791.6/20

Out: -57.799+/-0.273 χ^2/NDF:1341.6/23

All: -59.040+/-0.194 χ^2/NDF: 2174.8/44



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.609+/-0.363 χ^2/NDF:191.5/5

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 2.608+/-0.375 χ^2/NDF:13.4/4

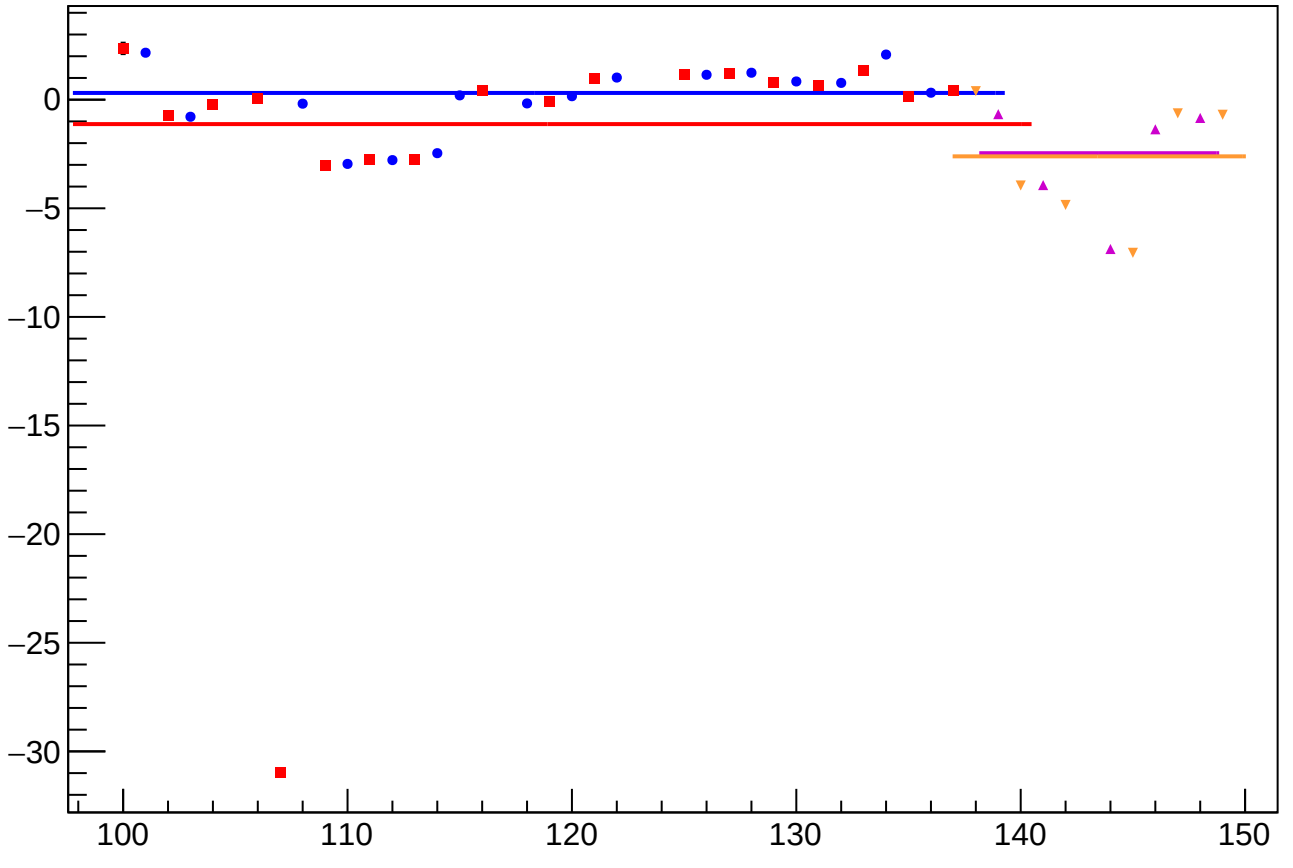
Left: 2.092+/-0.261 χ^2/NDF: 208.5/10

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.808+/-0.265 χ^2/NDF:131.7/20

Out: 1.751+/-0.265 χ^2/NDF:246.3/23

All: 1.779+/-0.188 χ^2/NDF: 378.0/44



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.609+/-0.018 χ^2/NDF:24324.4/5

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -2.464+/-0.018 χ^2/NDF:16267.4/4

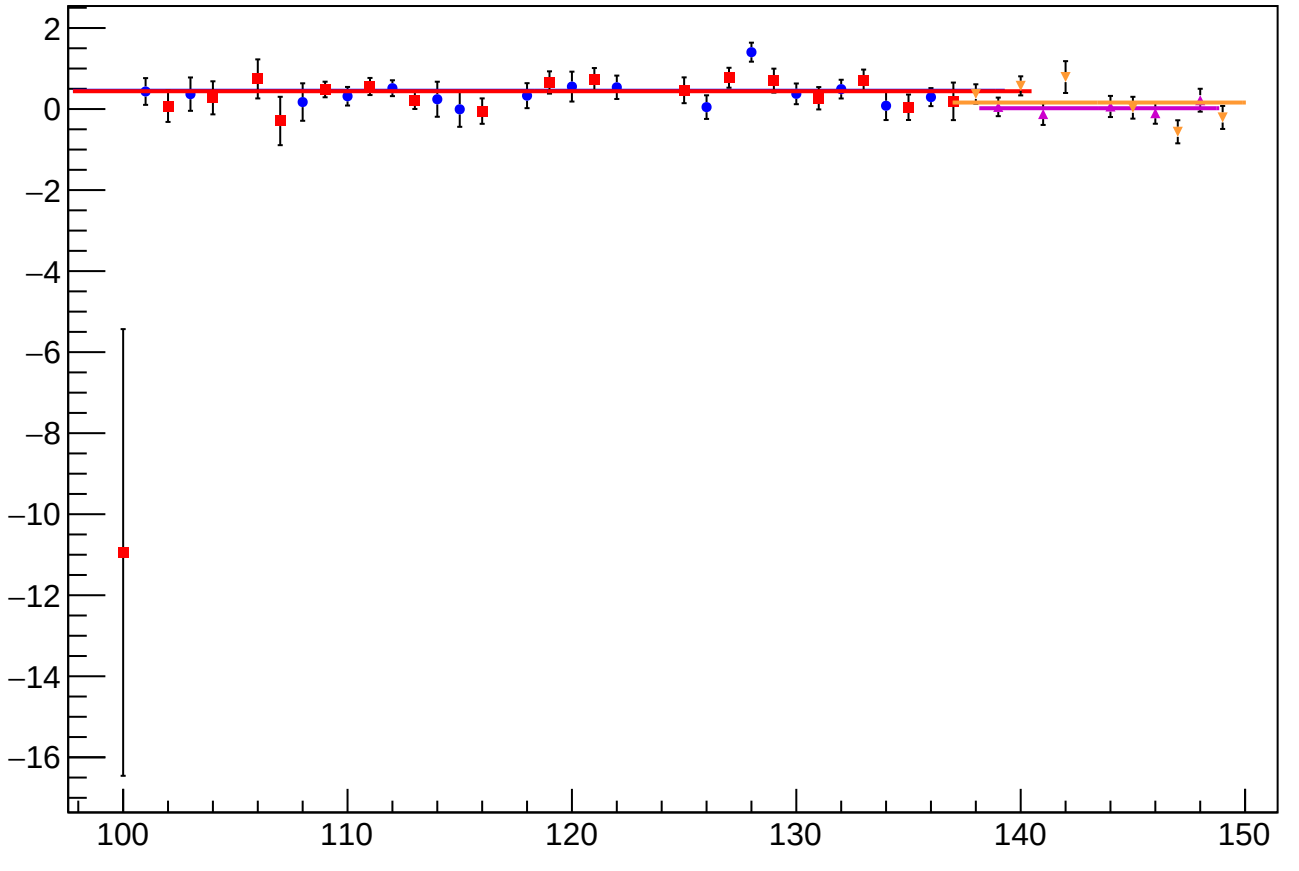
Left: -2.537+/-0.012 χ^2/NDF: 40625.4/10

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.307+/-0.014 χ^2/NDF:31224.8/20

Out: -2.039+/-0.014 χ^2/NDF:73425.7/23

All: -1.669+/-0.010 χ^2/NDF: 106082.4/44



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.161+/-0.111 χ^2/NDF:14.8/5

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.020+/-0.116 χ^2/NDF:1.0/4

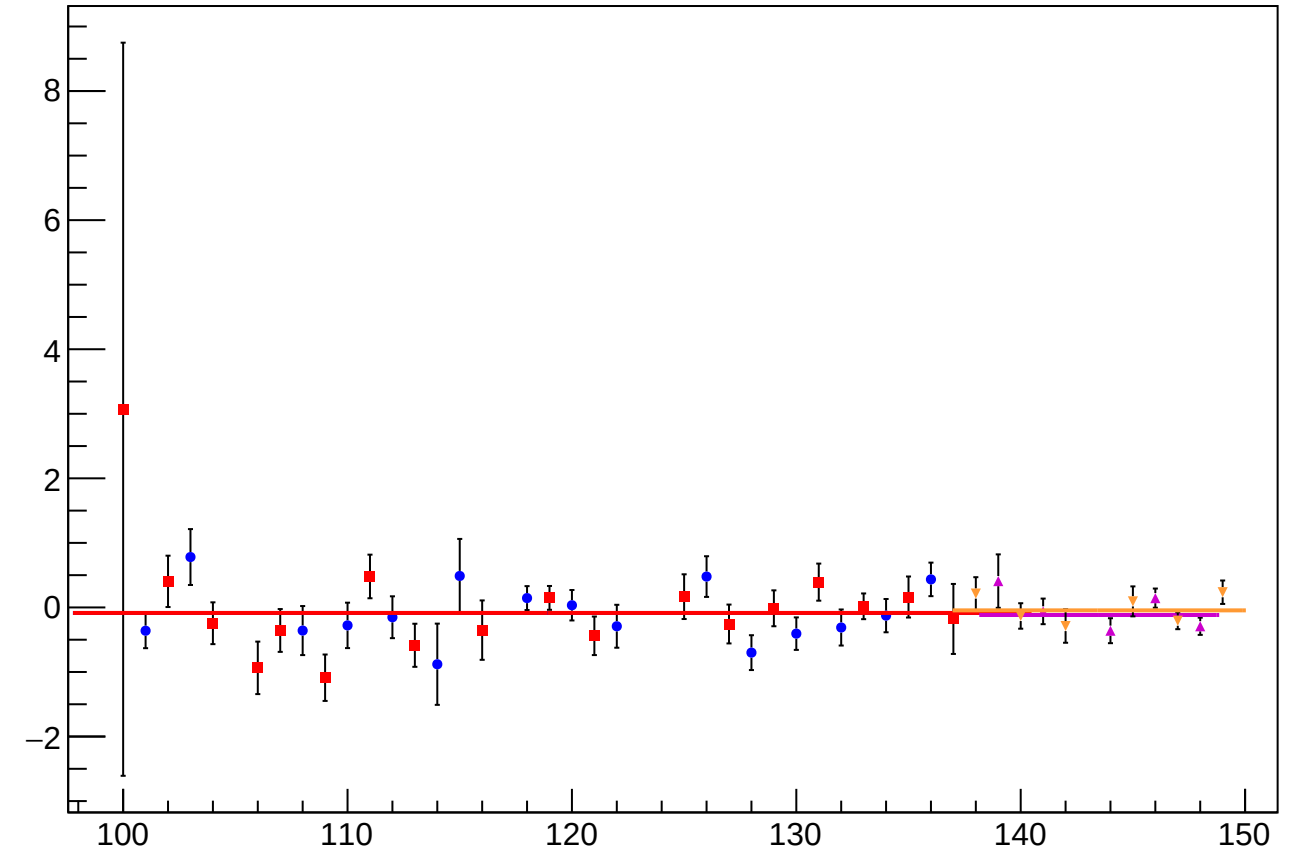
Left: 0.093+/-0.080 χ^2/NDF: 16.6/10

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.333+/-0.061 χ^2/NDF:33.8/20

Out: 0.361+/-0.059 χ^2/NDF:37.8/23

All: 0.348+/-0.042 χ^2/NDF: 71.7/44



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.045+/-0.078 χ^2/NDF:6.4/5

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.117+/-0.079 χ^2/NDF:8.1/4

Left: -0.081+/-0.056 χ^2/NDF: 14.9/10

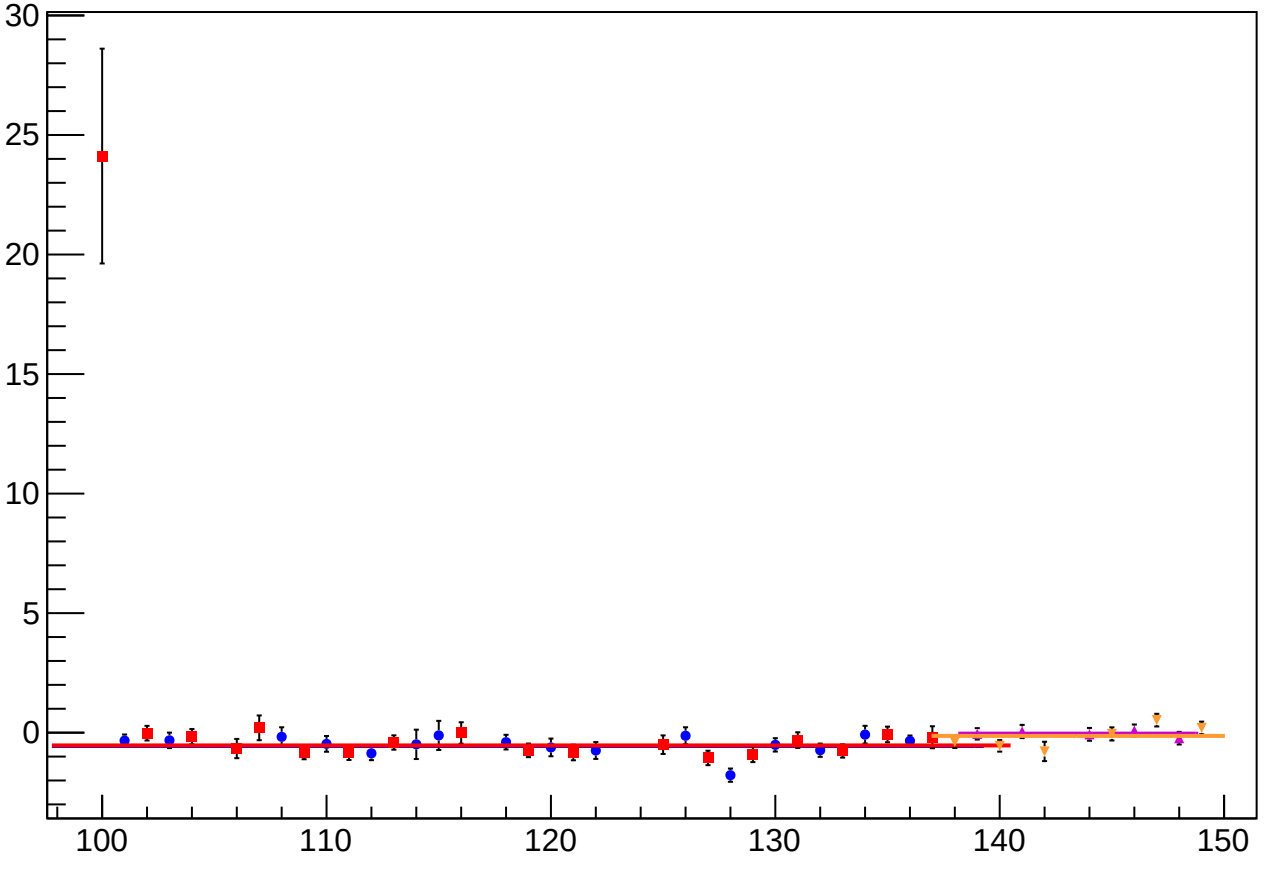
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.100+/-0.054 χ^2/NDF:33.5/20

Out: -0.067+/-0.054 χ^2/NDF:34.4/23

All: -0.083+/-0.038 χ^2/NDF: 68.1/44

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: -0.135+/-0.111 χ^2/NDF:14.4/5

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: -0.090+/-0.080 χ^2/NDF: 15.7/10

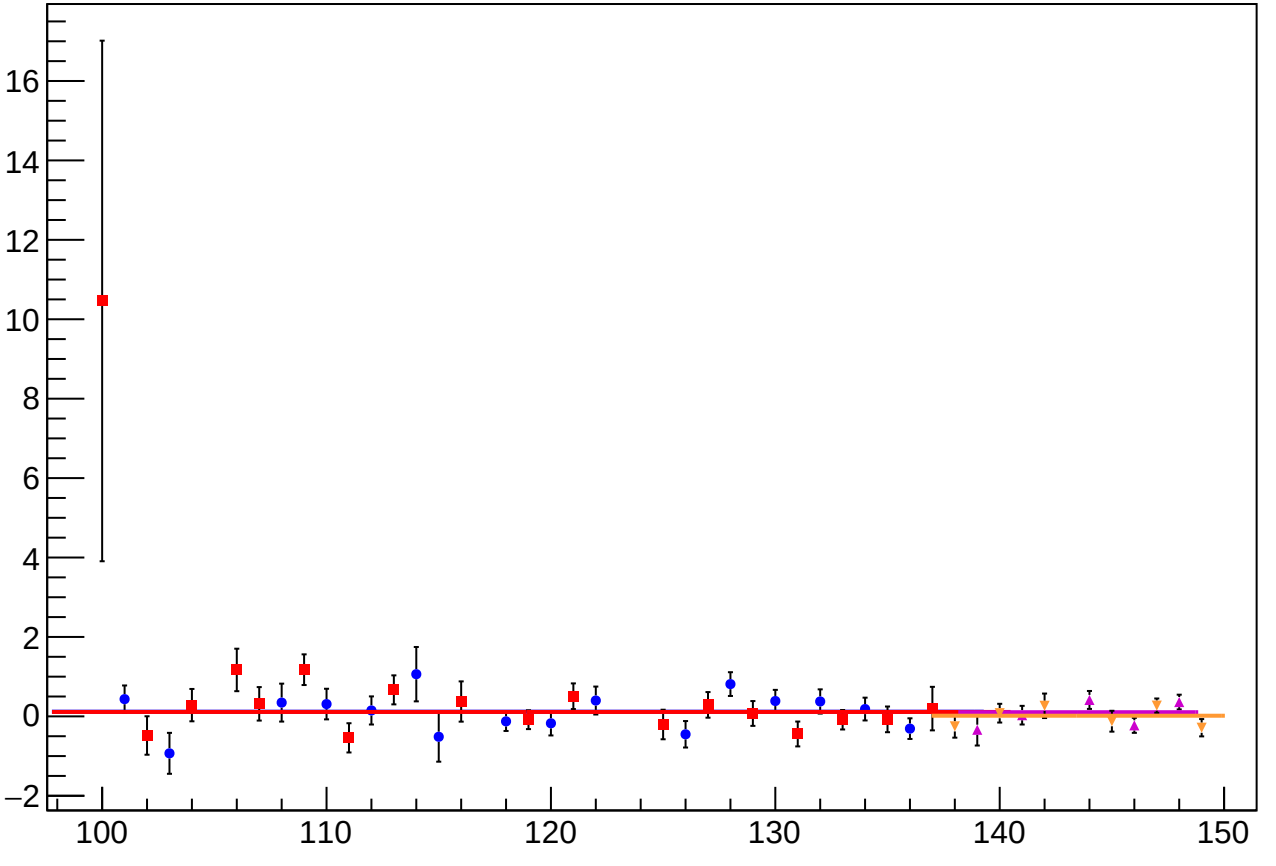
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.392+/-0.066 χ^2/NDF:42.8/20

Out: -0.396+/-0.065 χ^2/NDF:72.0/23

All: -0.394+/-0.046 χ^2/NDF: 114.8/44

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: 0.016+/-0.097 χ^2/NDF:5.8/5

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: 0.059+/-0.069 χ^2/NDF: 14.4/10

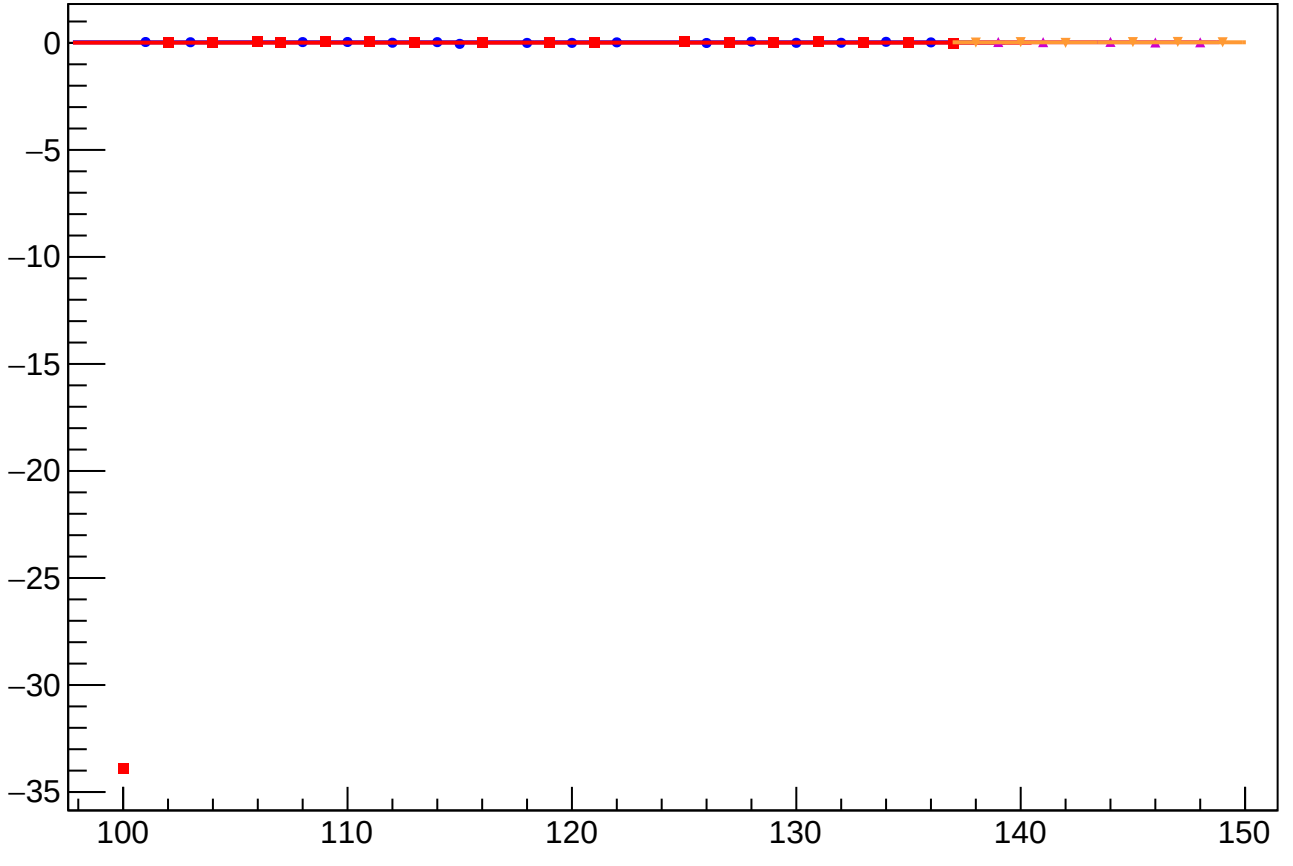
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.112+/-0.064 χ^2/NDF:31.8/20

Out: 0.070+/-0.064 χ^2/NDF:35.4/23

All: 0.091+/-0.045 χ^2/NDF: 67.4/44

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:7.3/5

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.035+/-0.005 χ^2/NDF:4.1/4

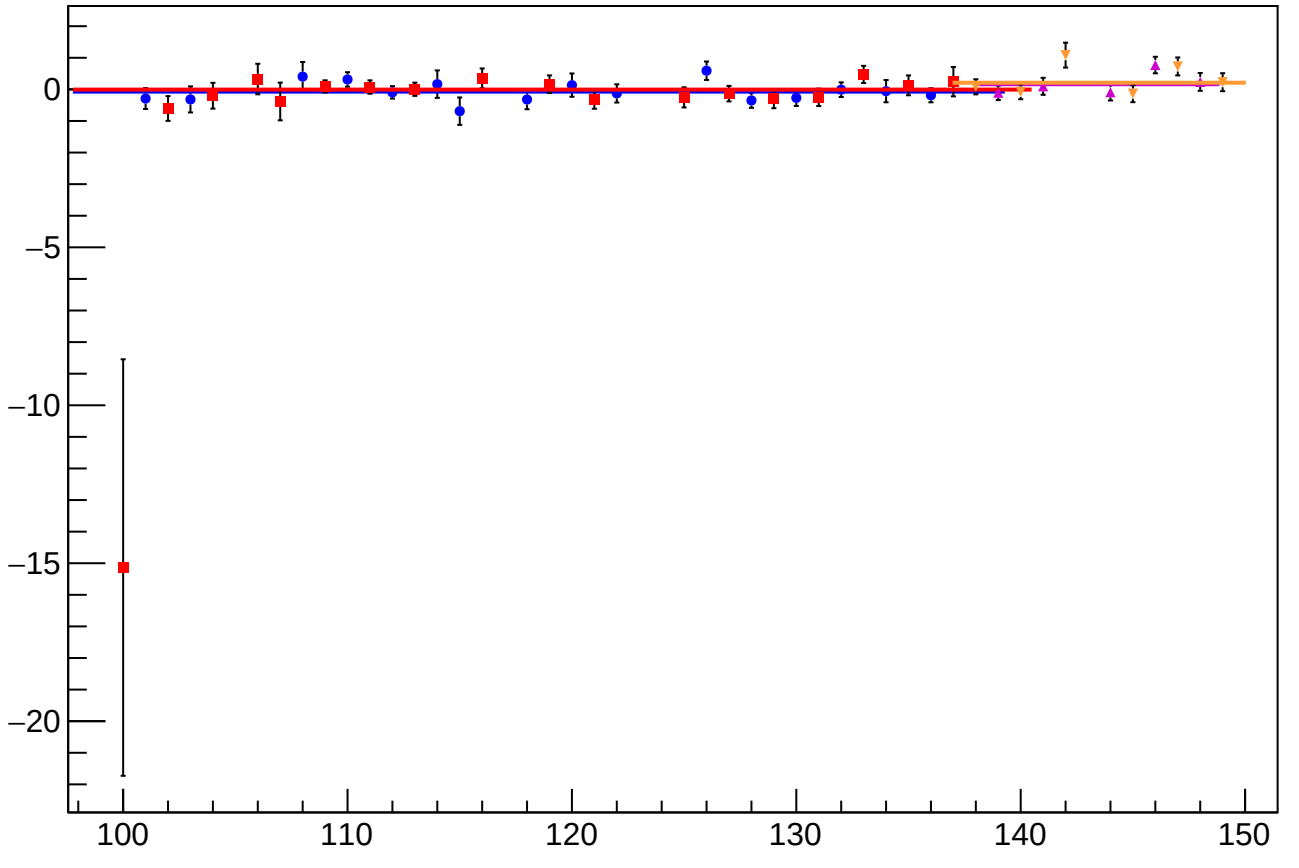
Left: 0.032+/-0.003 χ^2/NDF: 12.6/10

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+/-0.003 χ^2/NDF:22275.3/23

All: 0.026+/-0.002 χ^2/NDF: 22300.9/44



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.210+/-0.111 χ^2/NDF:11.6/5

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.163+/-0.116 χ^2/NDF:7.8/4

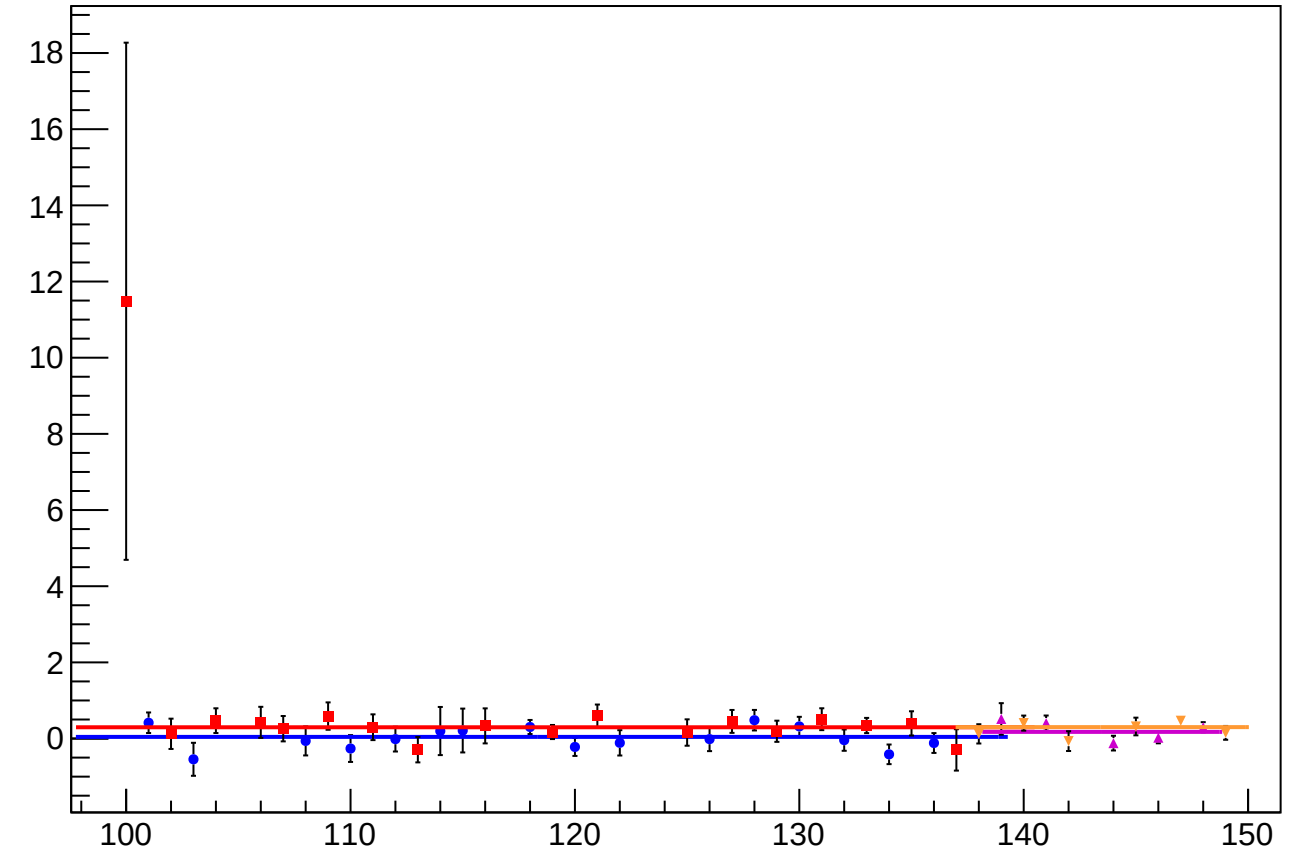
Left: 0.188+/-0.080 χ^2/NDF: 19.6/10

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.006+/-0.061 χ^2/NDF:26.3/20

Out: 0.054+/-0.059 χ^2/NDF:32.5/23

All: 0.025+/-0.042 χ^2/NDF: 59.3/44



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.300+/-0.078 χ^2/NDF:5.1/5

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.175+/-0.079 χ^2/NDF:6.3/4

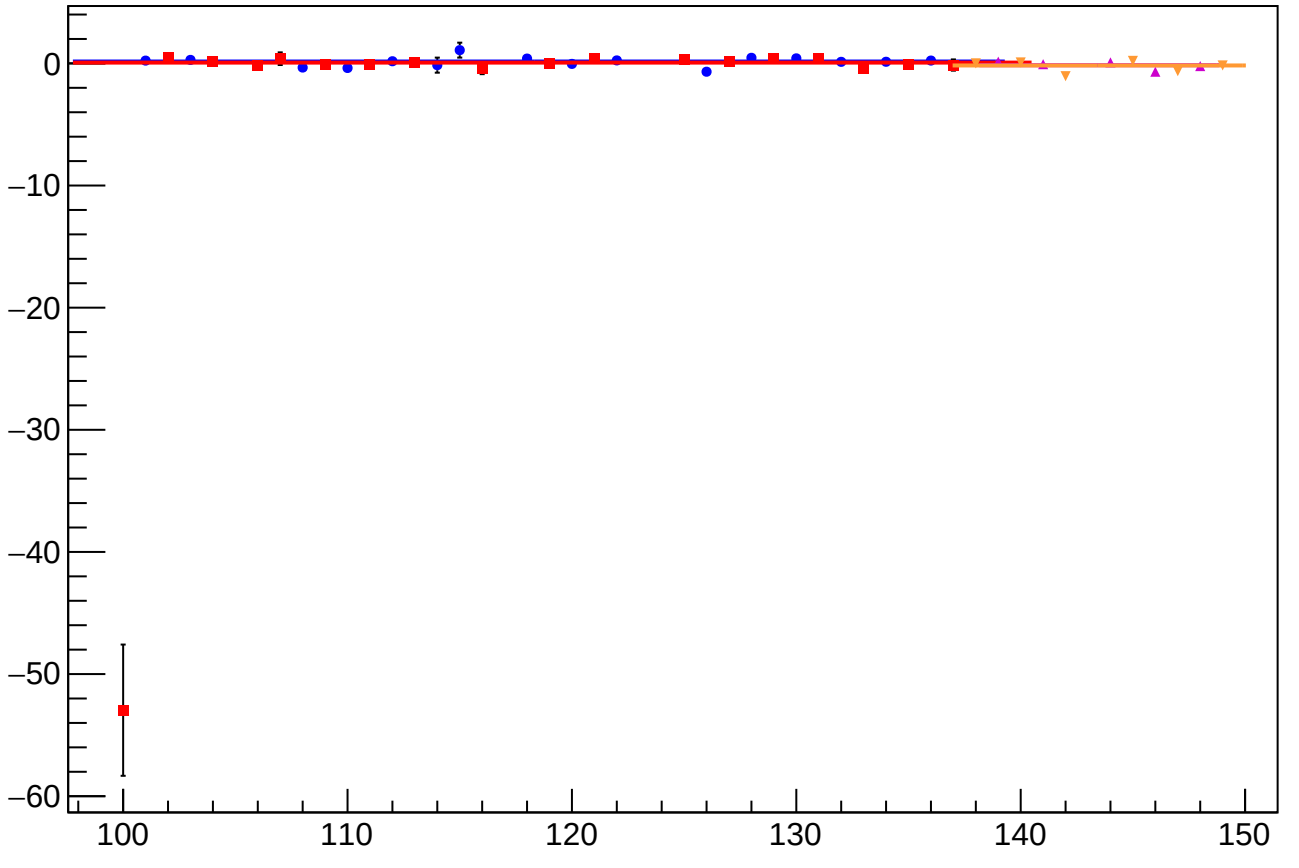
Left: 0.238+/-0.056 χ^2/NDF: 12.6/10

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.104+/-0.054 χ^2/NDF:23.5/20

Out: 0.298+/-0.054 χ^2/NDF:16.1/23

All: 0.201+/-0.038 χ^2/NDF: 46.1/44



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.169+/-0.111 χ^2/NDF:11.2/5

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.148+/-0.116 χ^2/NDF:6.9/4

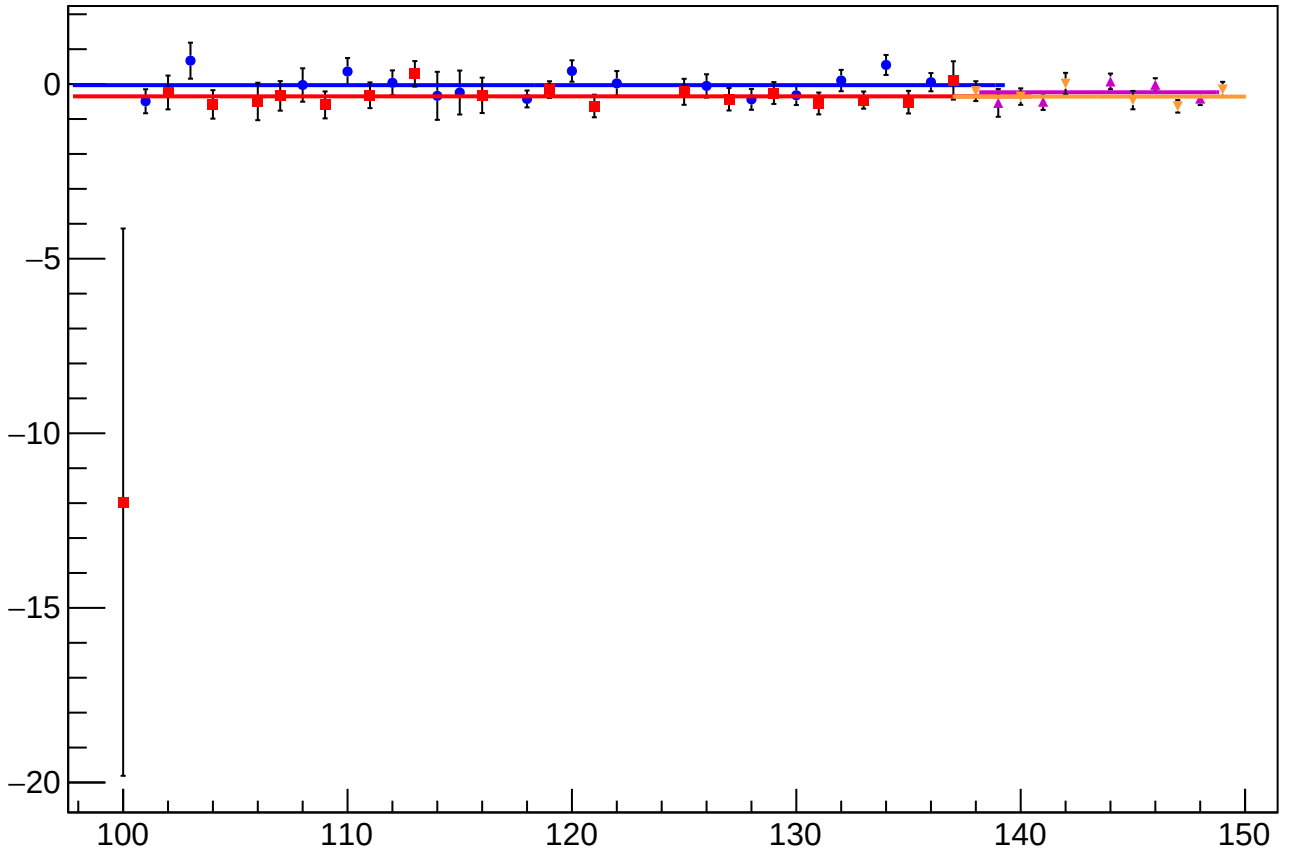
Left: -0.159+/-0.080 χ^2/NDF: 18.1/10

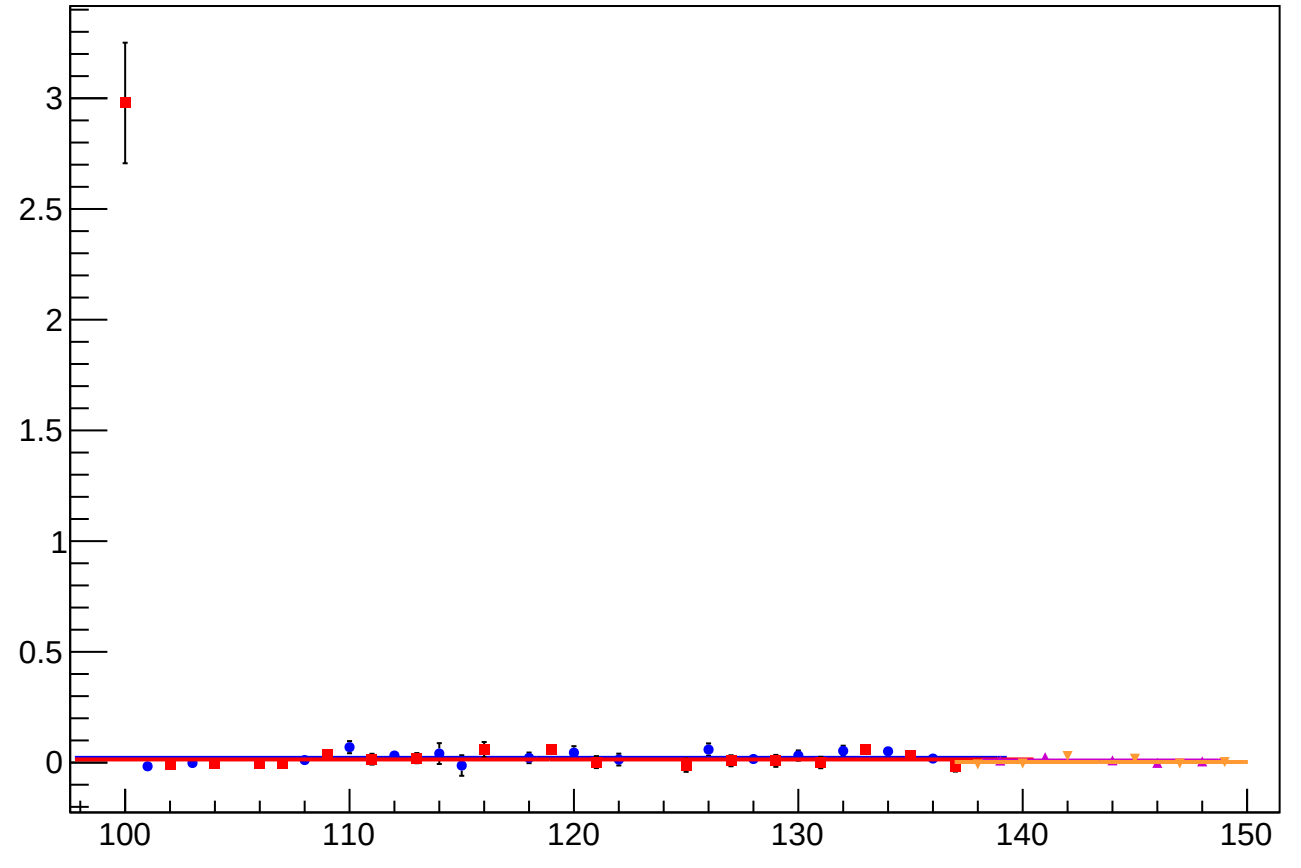
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.056+/-0.066 χ^2/NDF:27.1/20

Out: -0.016+/-0.065 χ^2/NDF:123.4/23

All: 0.020+/-0.046 χ^2/NDF: 151.2/44


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: -0.358+/-0.096 χ²/NDF:5.2/5
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.234+/-0.099 χ²/NDF:6.1/4
Left: -0.298+/-0.069 χ²/NDF: 12.1/10
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.115+/-0.064 χ²/NDF:25.3/20
Out: -0.354+/-0.064 χ²/NDF:14.6/23
All: -0.235+/-0.045 χ²/NDF: 46.9/44



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.003+/-0.005 χ^2/NDF:6.5/5

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.009+/-0.005 χ^2/NDF:2.9/4

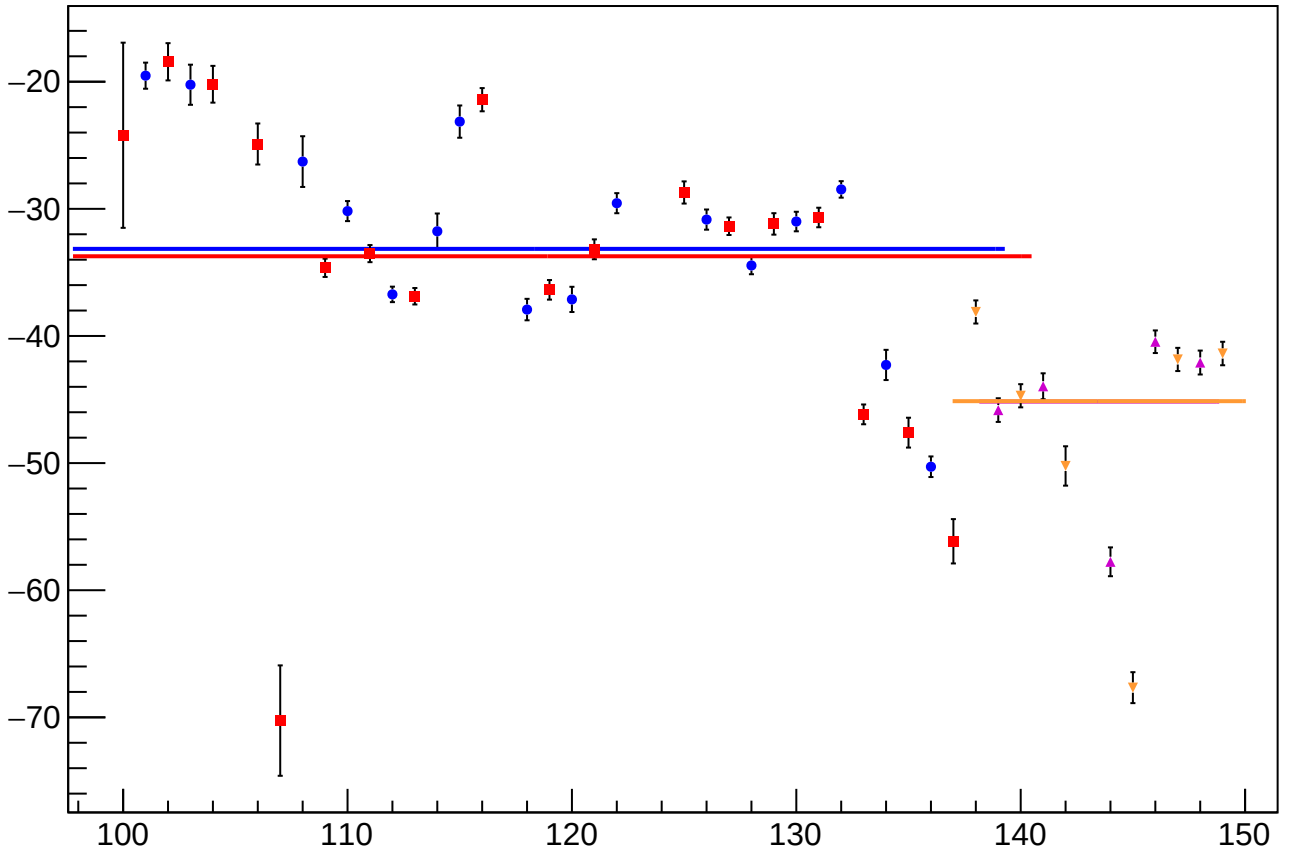
Left: 0.006+/-0.003 χ^2/NDF: 10.4/10

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.015+/-0.003 χ^2/NDF:28.6/20

Out: 0.008+/-0.003 χ^2/NDF:150.3/23

All: 0.012+/-0.002 χ^2/NDF: 181.1/44



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -45.129+/-0.412 χ^2/NDF:442.6/5

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -45.160+/-0.435 χ^2/NDF:164.1/4

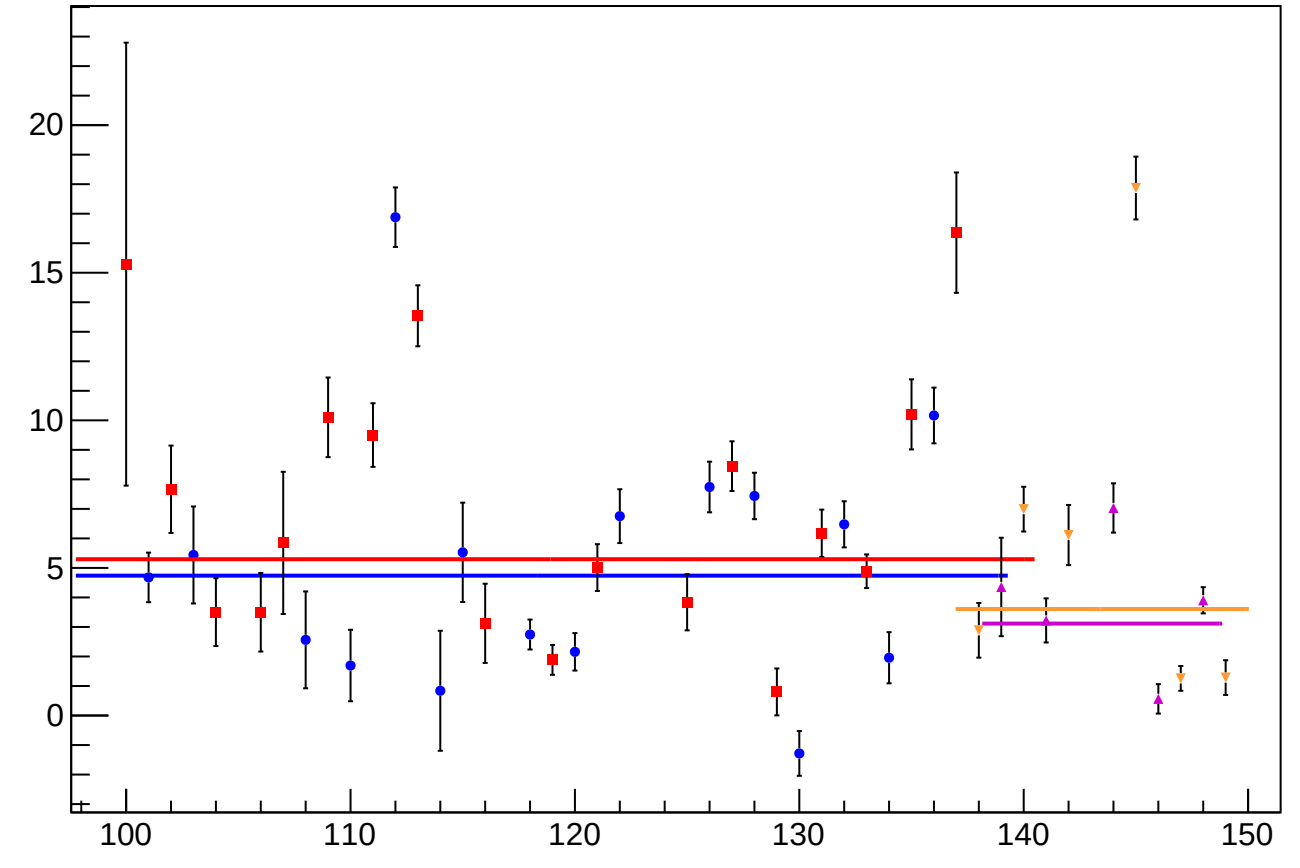
Left: -45.144+/-0.299 χ^2/NDF: 606.7/10

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -35.559+/-0.195 χ^2/NDF:1787.7/20

Out: -36.163+/-0.191 χ^2/NDF:2191.8/23

All: -35.868+/-0.136 χ^2/NDF: 3984.4/44



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 3.608+/-0.274 χ^2/NDF:253.1/5

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 3.115+/-0.281 χ^2/NDF:51.9/4

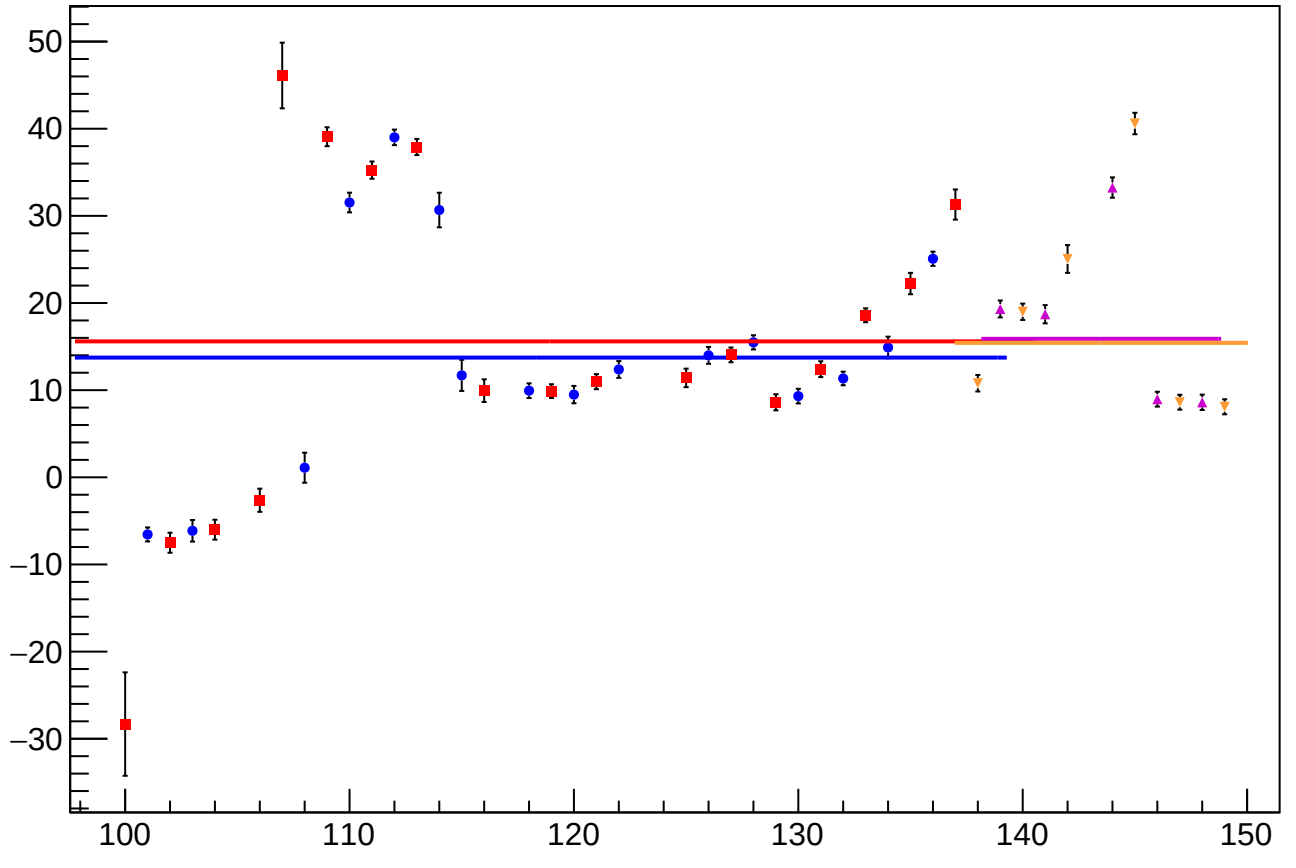
Left: 3.367+/-0.196 χ^2/NDF: 306.6/10

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.124+/-0.173 χ^2/NDF:402.3/20

Out: 4.622+/-0.173 χ^2/NDF:520.9/23

All: 4.372+/-0.122 χ^2/NDF: 927.3/44



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 15.429+/-0.407 χ^2/NDF:628.1/5

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 15.892+/-0.431 χ^2/NDF:375.5/4

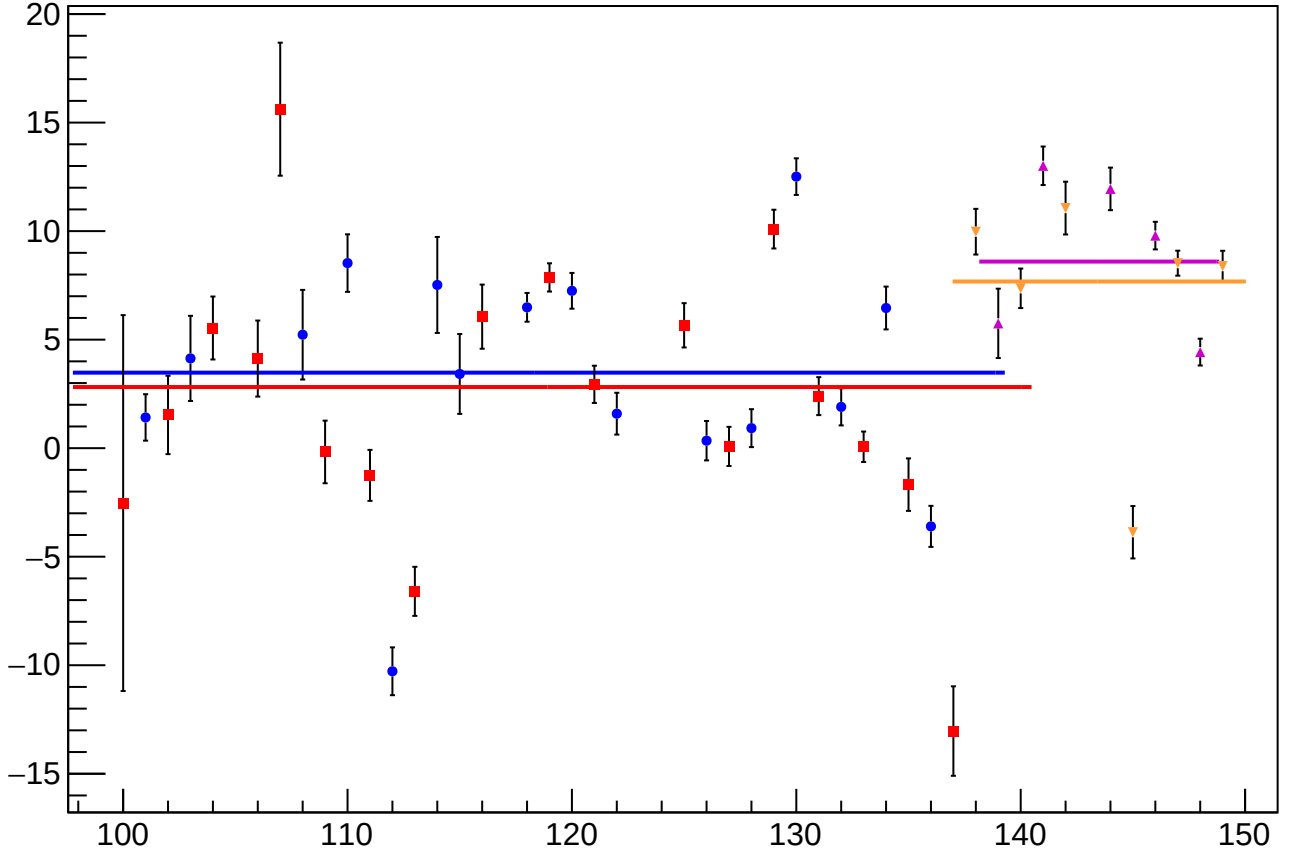
Left: 15.647+/-0.296 χ^2/NDF: 1004.3/10

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.269+/-0.214 χ^2/NDF:2744.2/20

Out: 15.552+/-0.213 χ^2/NDF:3454.6/23

All: 14.914+/-0.151 χ^2/NDF: 6216.8/44



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.679+/-0.343 χ^2/NDF:107.5/5

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 8.597+/-0.358 χ^2/NDF:88.7/4

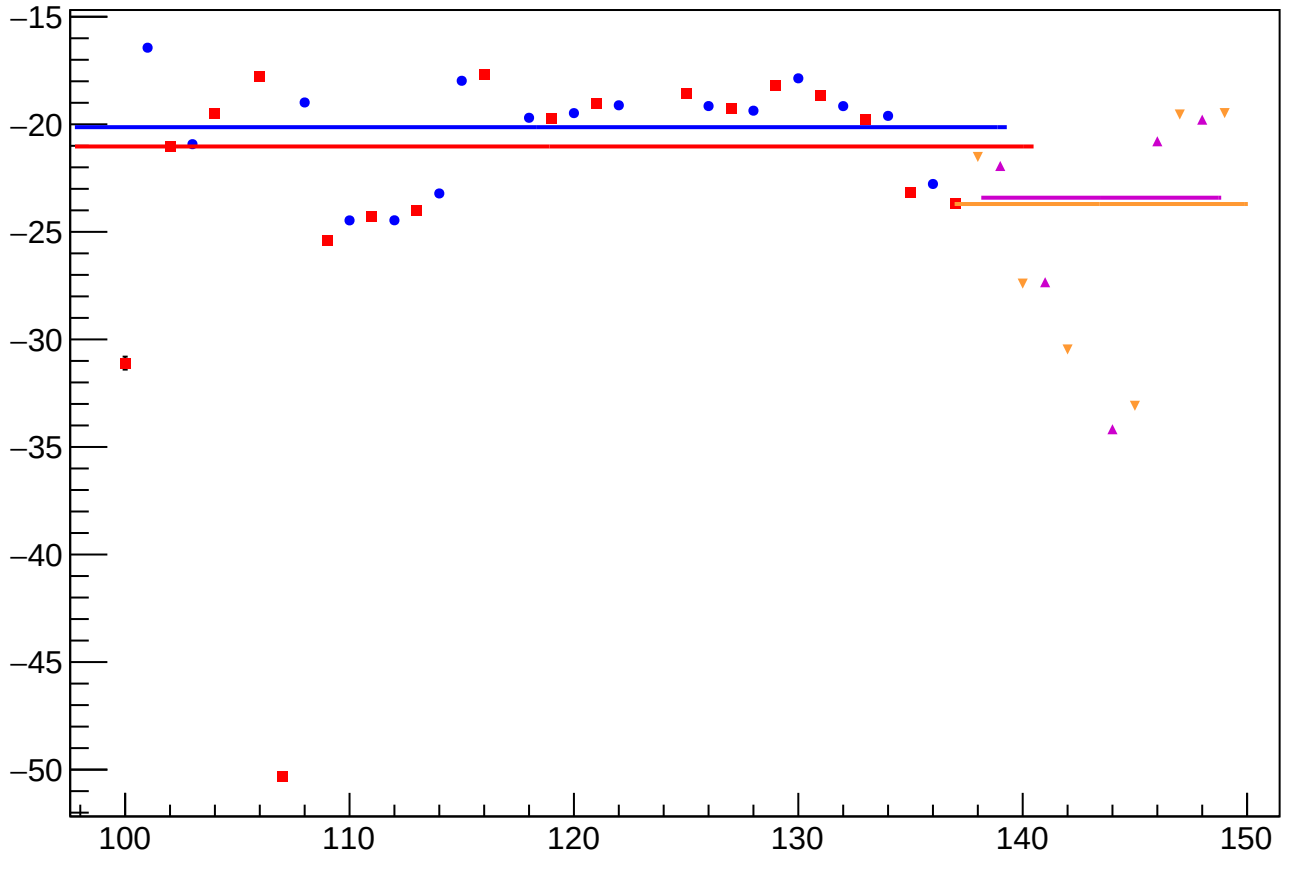
Left: 8.118+/-0.248 χ^2/NDF: 199.6/10

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.190+/-0.207 χ^2/NDF:652.4/20

Out: 4.566+/-0.206 χ^2/NDF:581.3/23

All: 4.876+/-0.146 χ^2/NDF: 1238.2/44



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -23.705+/-0.017 χ^2/NDF:84793.8/5

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -23.412+/-0.017 χ^2/NDF:67878.2/4

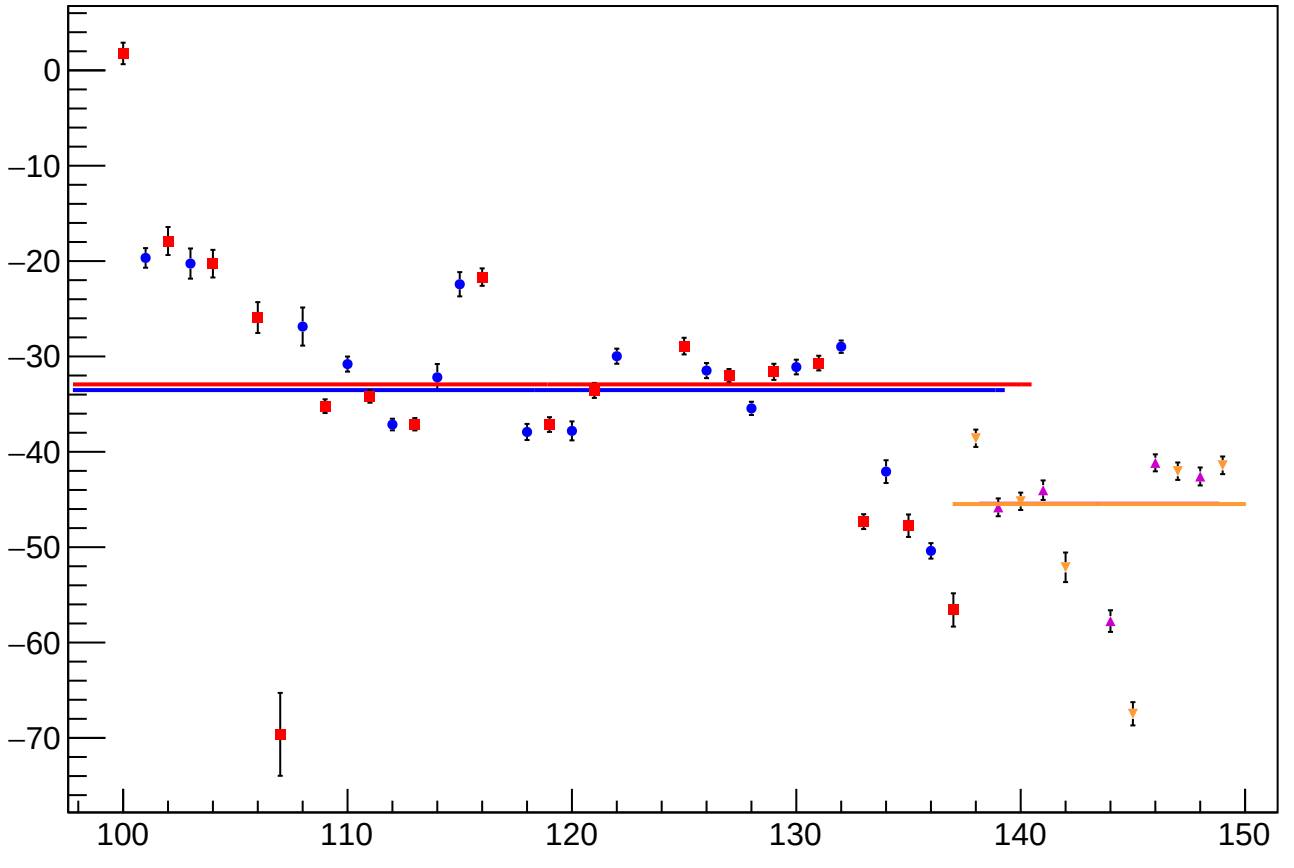
Left: -23.561+/-0.012 χ^2/NDF: 152815.8/10

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.632+/-0.012 χ^2/NDF:106874.5/20

Out: -22.311+/-0.012 χ^2/NDF:154972.7/23

All: -21.970+/-0.008 χ^2/NDF: 263492.3/44



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -45.478+/-0.413 χ^2/NDF:434.1/5

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -45.443+/-0.436 χ^2/NDF:151.9/4

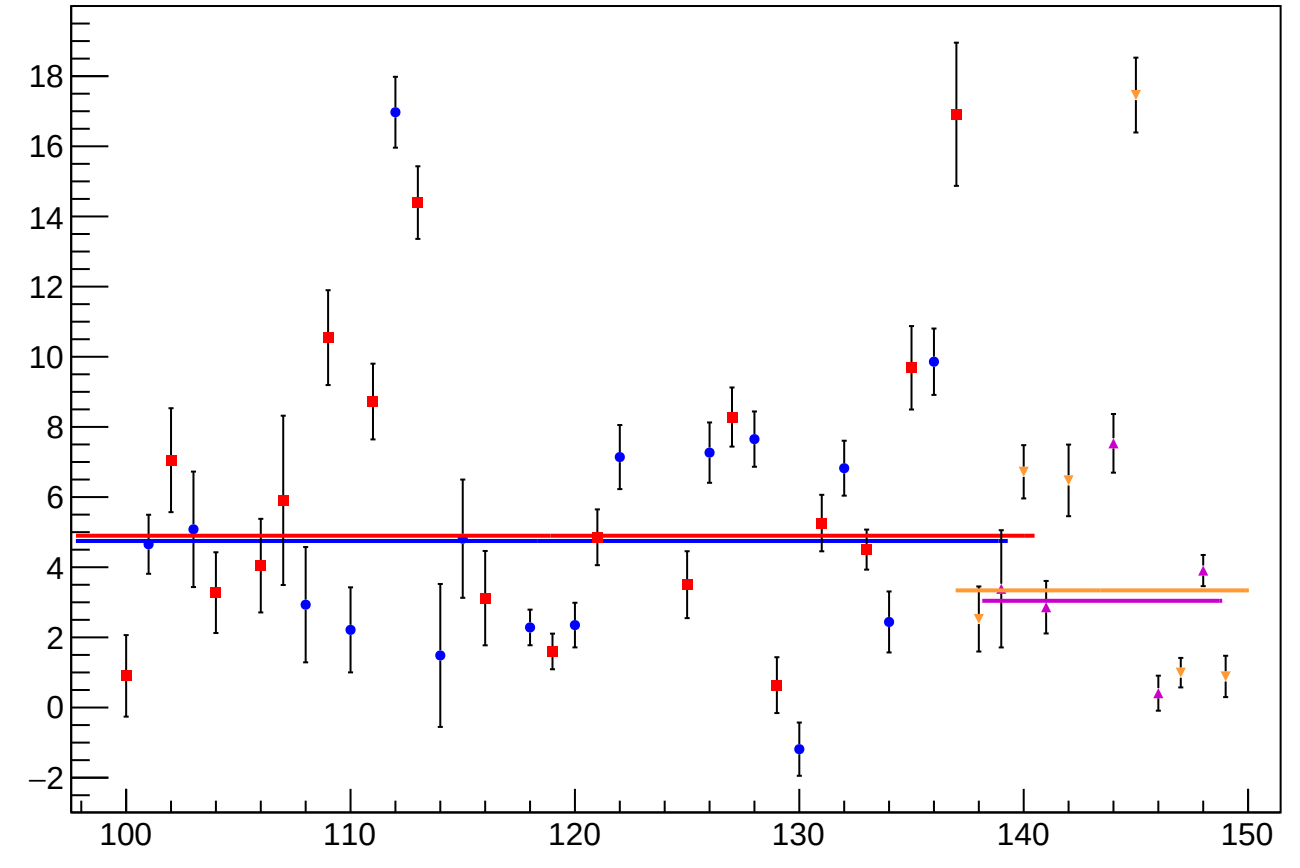
Left: -45.461+/-0.300 χ^2/NDF: 586.0/10

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -35.921+/-0.195 χ^2/NDF:1758.0/20

Out: -35.538+/-0.188 χ^2/NDF:3334.8/23

All: -35.723+/-0.136 χ^2/NDF: 5094.8/44



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 3.340+/-0.275 χ^2/NDF:253.7/5

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: 3.195+/-0.196 χ^2/NDF: 314.8/10

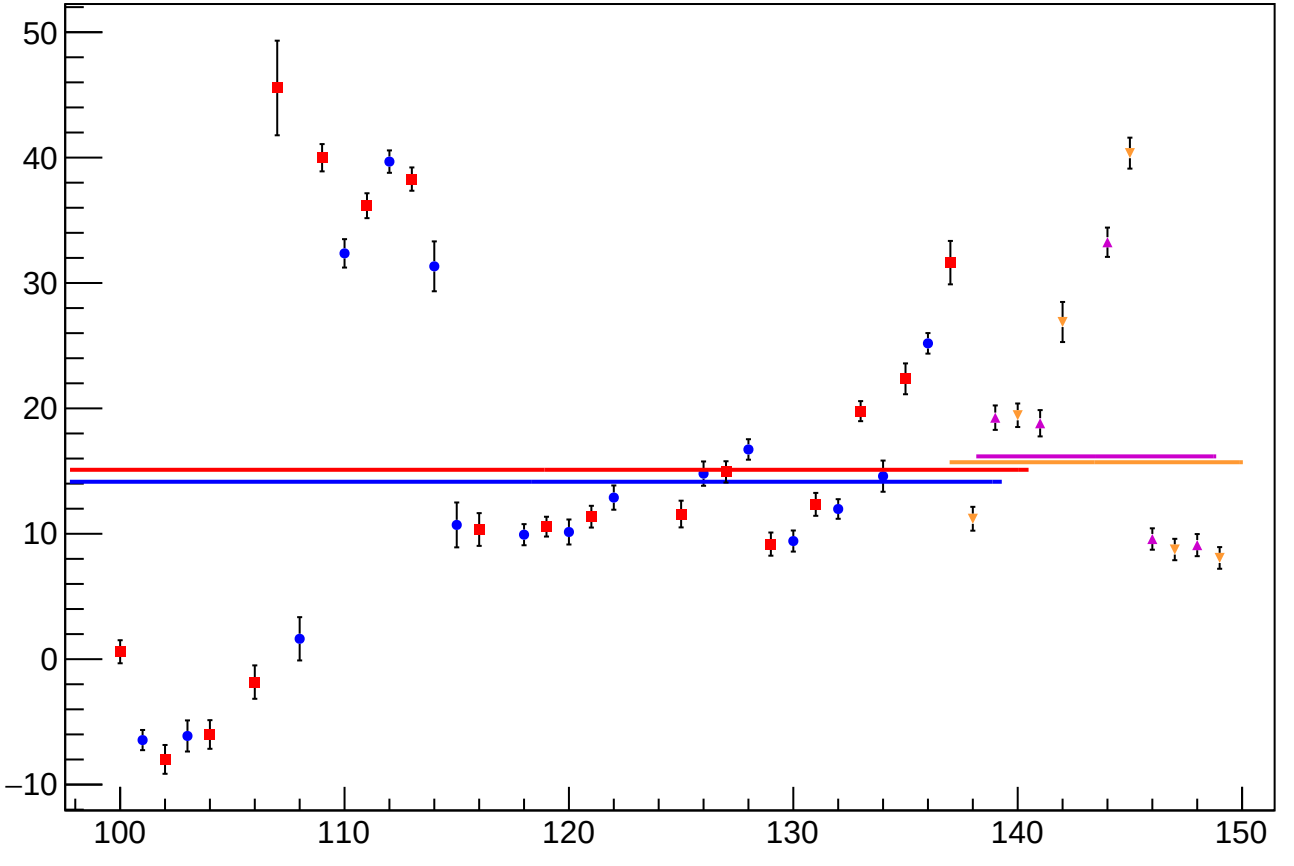
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.102+/-0.173 χ^2/NDF:409.1/20

Out: 4.289+/-0.172 χ^2/NDF:546.4/23

All: 4.196+/-0.122 χ^2/NDF: 956.1/44

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 15.706+/-0.408 χ^2/NDF:630.4/5

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 16.173+/-0.432 χ^2/NDF:353.9/4

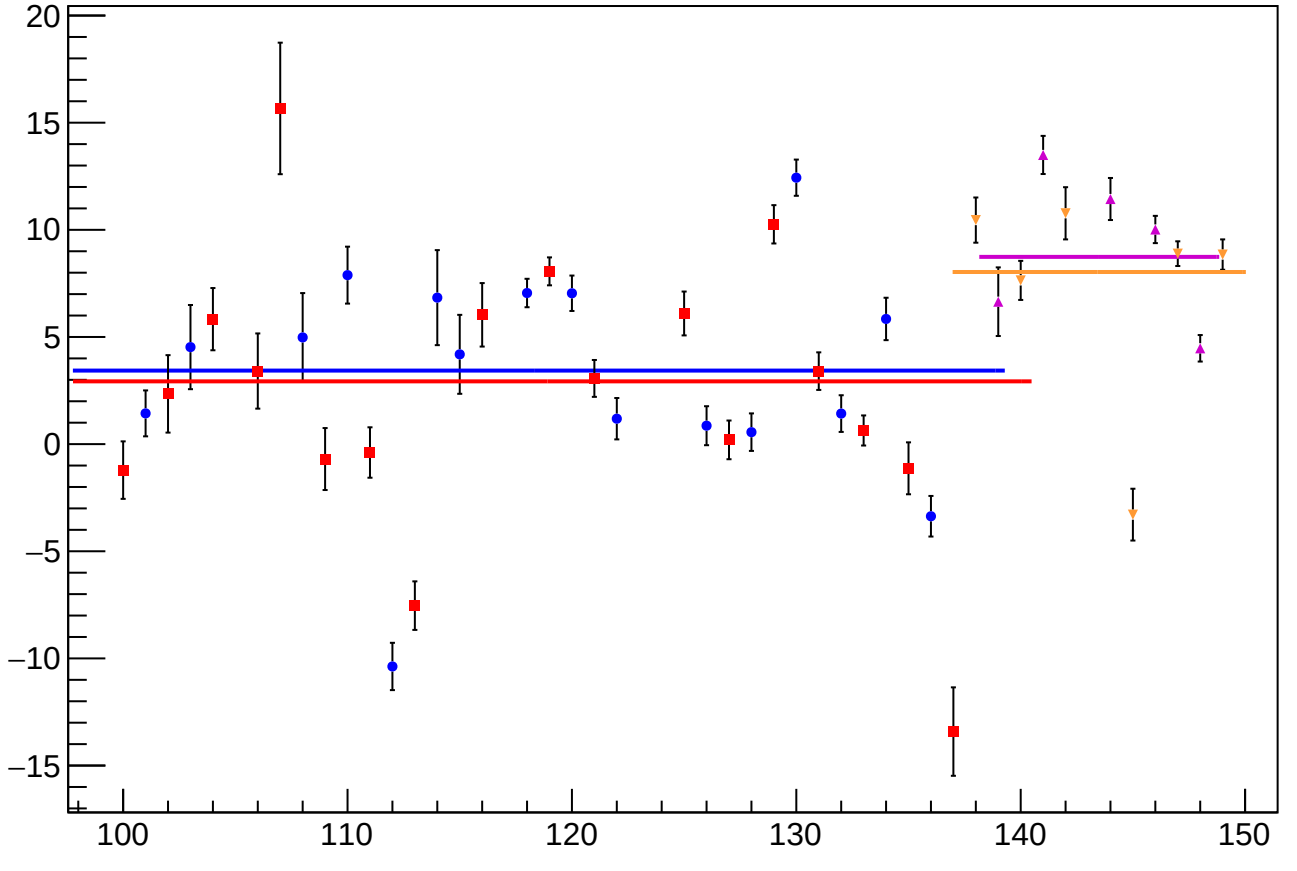
Left: 15.926+/-0.297 χ^2/NDF: 984.9/10

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.648+/-0.215 χ^2/NDF:2772.8/20

Out: 15.260+/-0.208 χ^2/NDF:3734.3/23

All: 14.963+/-0.149 χ^2/NDF: 6511.3/44



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.033+/-0.344 χ^2/NDF:101.7/5

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 8.738+/-0.359 χ^2/NDF:89.5/4

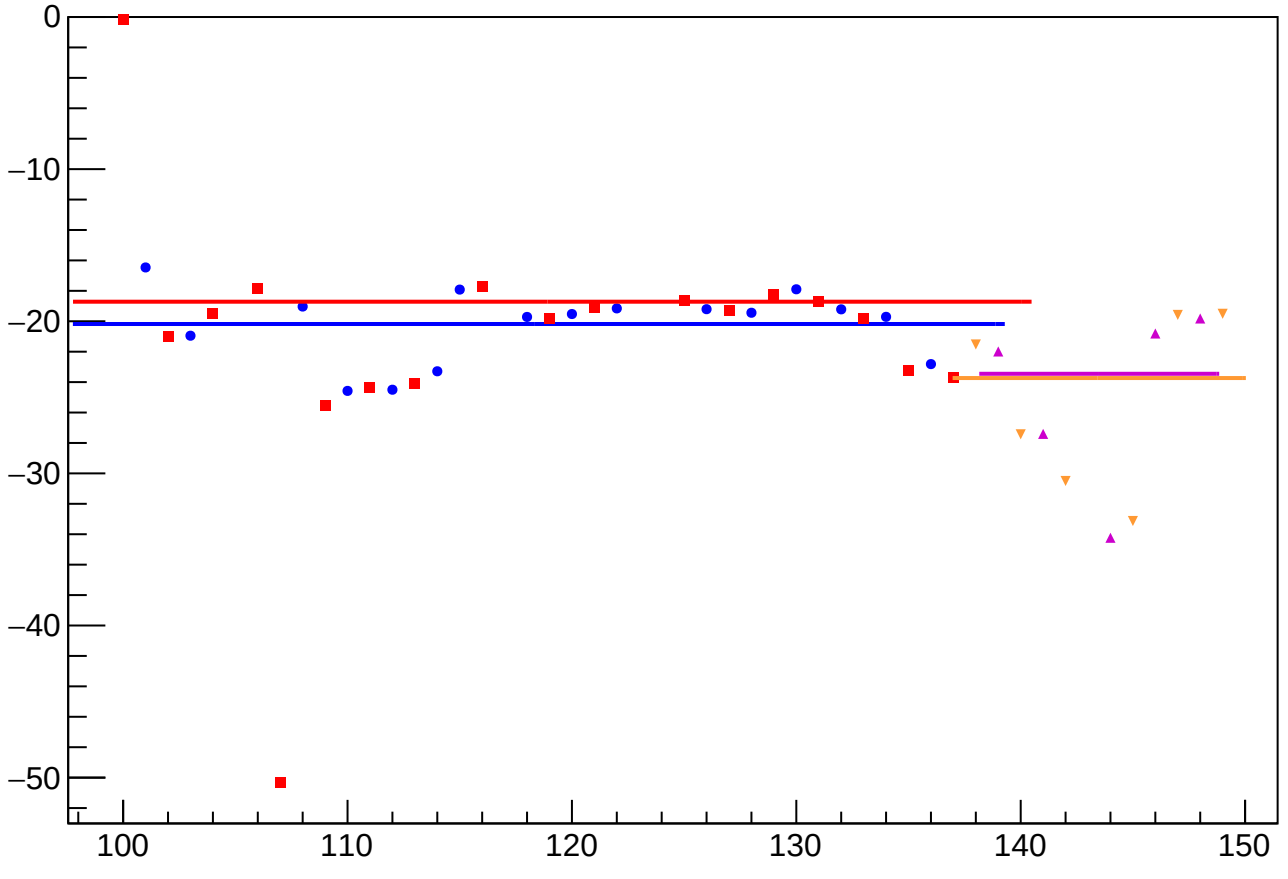
Left: 8.370+/-0.248 χ^2/NDF: 193.2/10

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.206+/-0.207 χ^2/NDF:659.2/20

Out: 4.725+/-0.204 χ^2/NDF:612.3/23

All: 4.962+/-0.145 χ^2/NDF: 1274.2/44



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -23.733+/-0.017 χ^2/NDF:84599.1/5

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: -23.595+/-0.012 χ^2/NDF: 152712.1/10

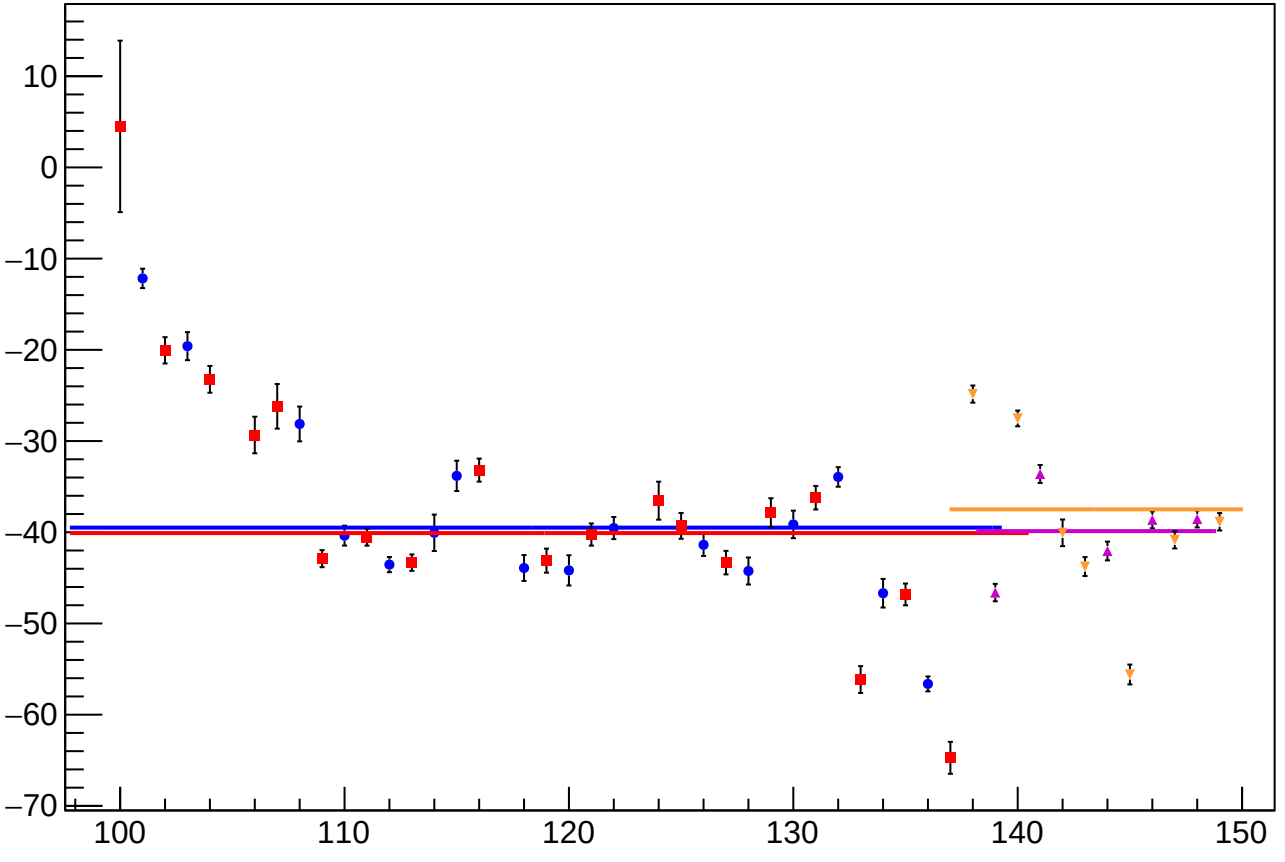
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.677+/-0.012 χ^2/NDF:106848.8/20

Out: -20.974+/-0.012 χ^2/NDF:366087.2/23

All: -21.317+/-0.008 χ^2/NDF: 474744.9/44

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.483+/-0.380 χ^2/NDF:644.4/6

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -39.873+/-0.431 χ^2/NDF:98.8/4

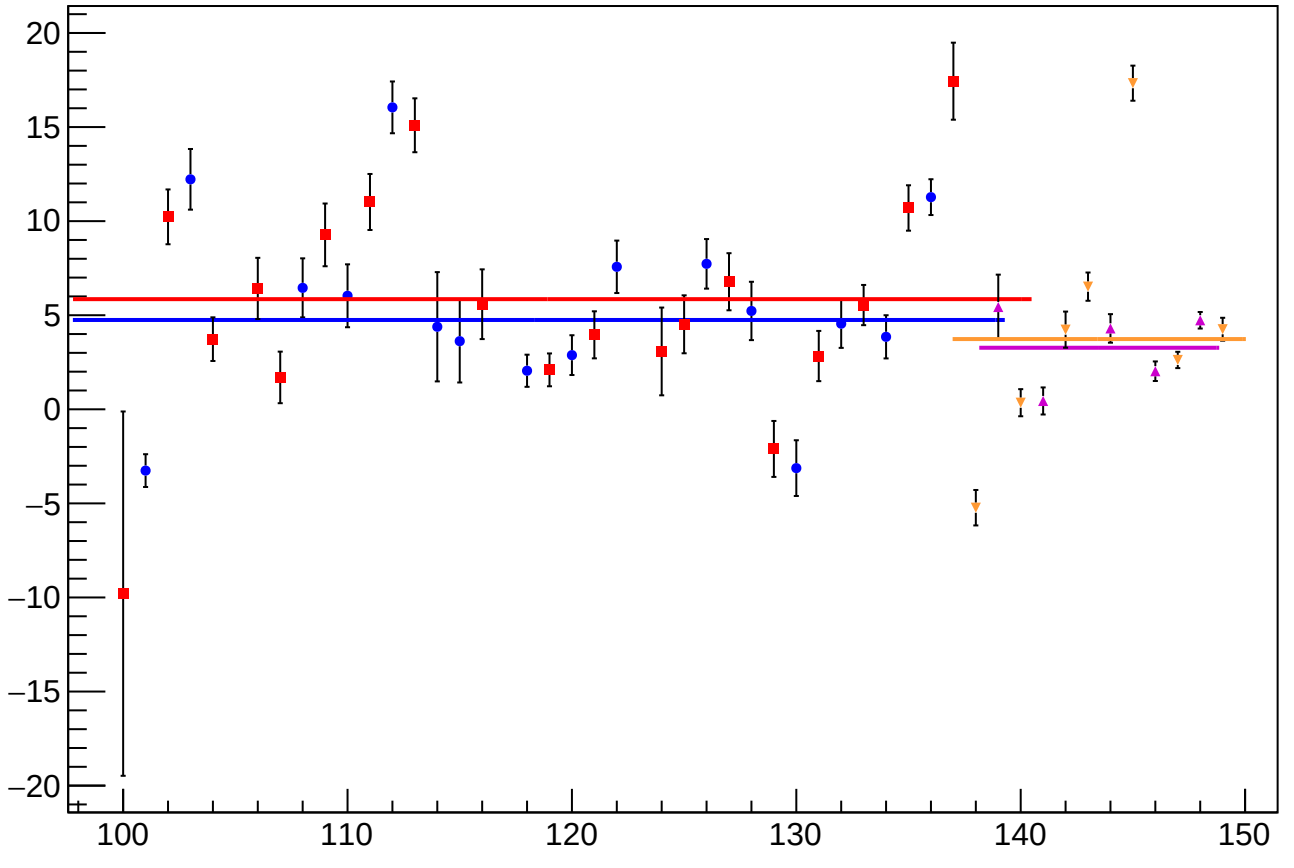
Left: -38.528+/-0.285 χ^2/NDF: 760.5/11

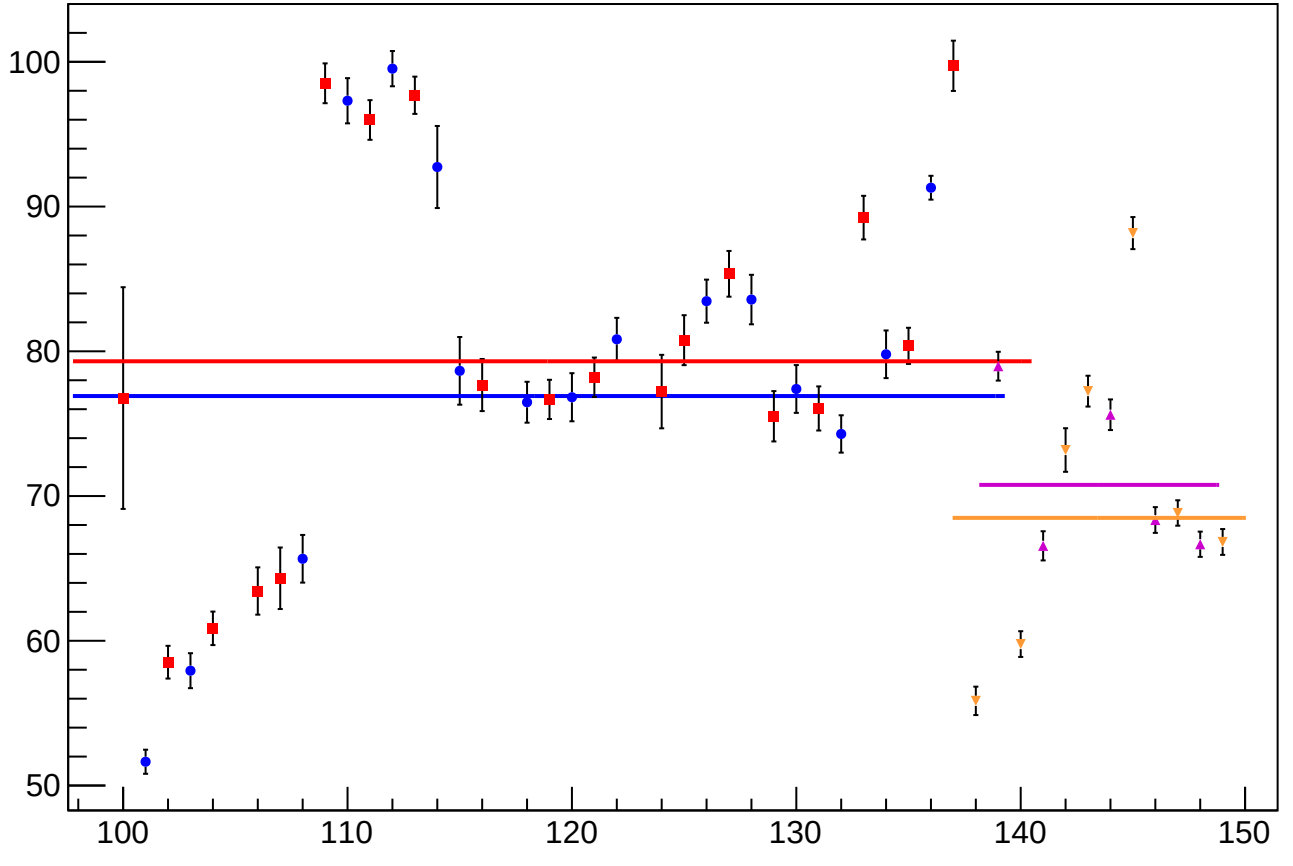
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.623+/-0.252 χ^2/NDF:1516.3/20

Out: -39.059+/-0.239 χ^2/NDF:1507.8/25

All: -39.326+/-0.173 χ^2/NDF: 3026.8/46


reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: 4.747+/-0.316 χ²/NDF: 273.8/15
Left Out: 3.733+/-0.257 χ²/NDF:346.7/6
Right Out: 5.854+/-0.324 χ²/NDF: 187.6/18
Left In: 3.271+/-0.279 χ²/NDF:35.7/4
Left: 3.520+/-0.189 χ²/NDF: 383.8/11
Right: 5.287+/-0.226 χ²/NDF: 467.4/34
In: 3.917+/-0.209 χ²/NDF:321.8/20
Out: 4.554+/-0.201 χ²/NDF:560.6/25
All: 4.247+/-0.145 χ²/NDF: 887.2/46



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 68.492+/-0.378 χ^2/NDF:658.2/6

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 70.771+/-0.428 χ^2/NDF:135.8/4

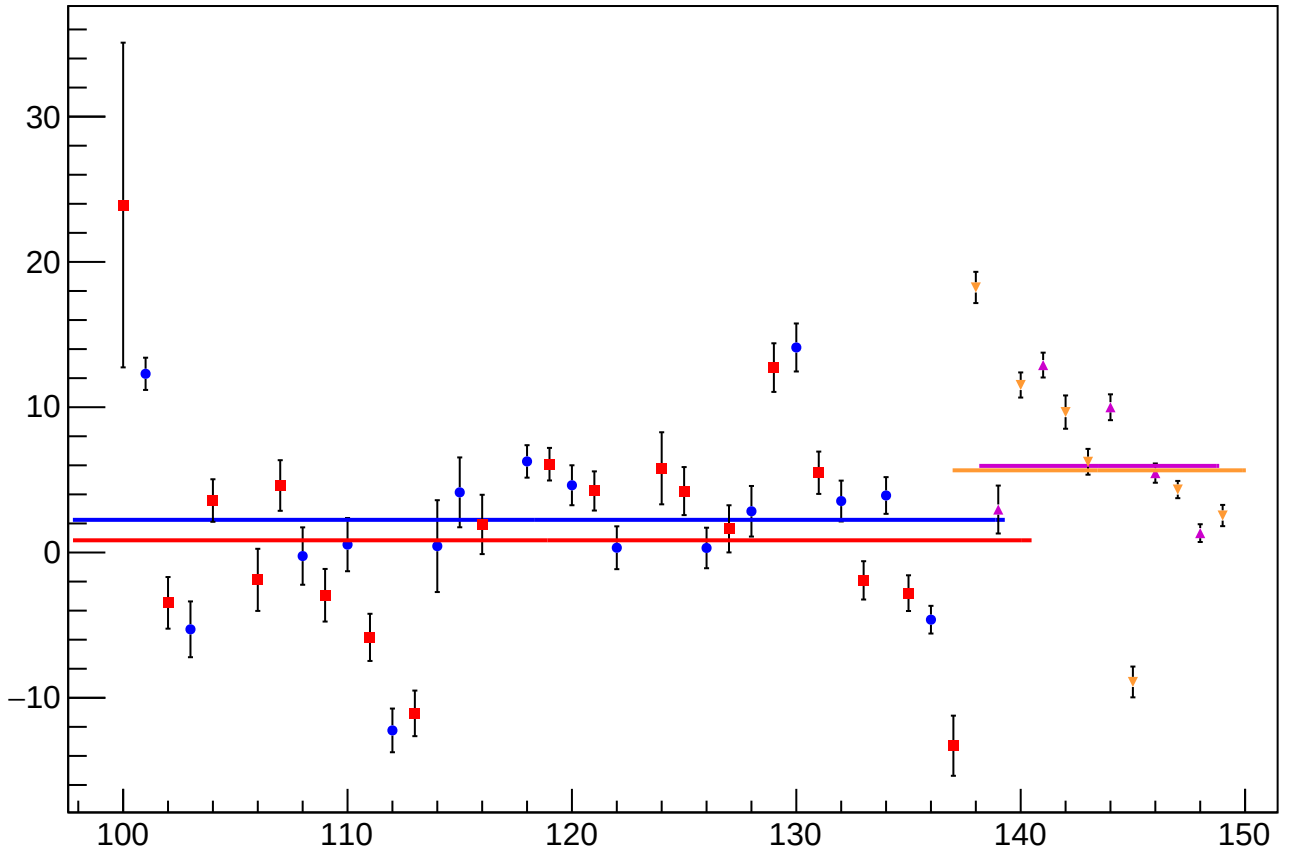
Left: 69.491+/-0.283 χ^2/NDF: 809.9/11

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 74.560+/-0.265 χ^2/NDF:2378.8/20

Out: 74.352+/-0.256 χ^2/NDF:2597.9/25

All: 74.453+/-0.184 χ^2/NDF: 4977.0/46



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.656+/-0.319 χ^2/NDF:407.9/6

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 5.962+/-0.355 χ^2/NDF:147.5/4

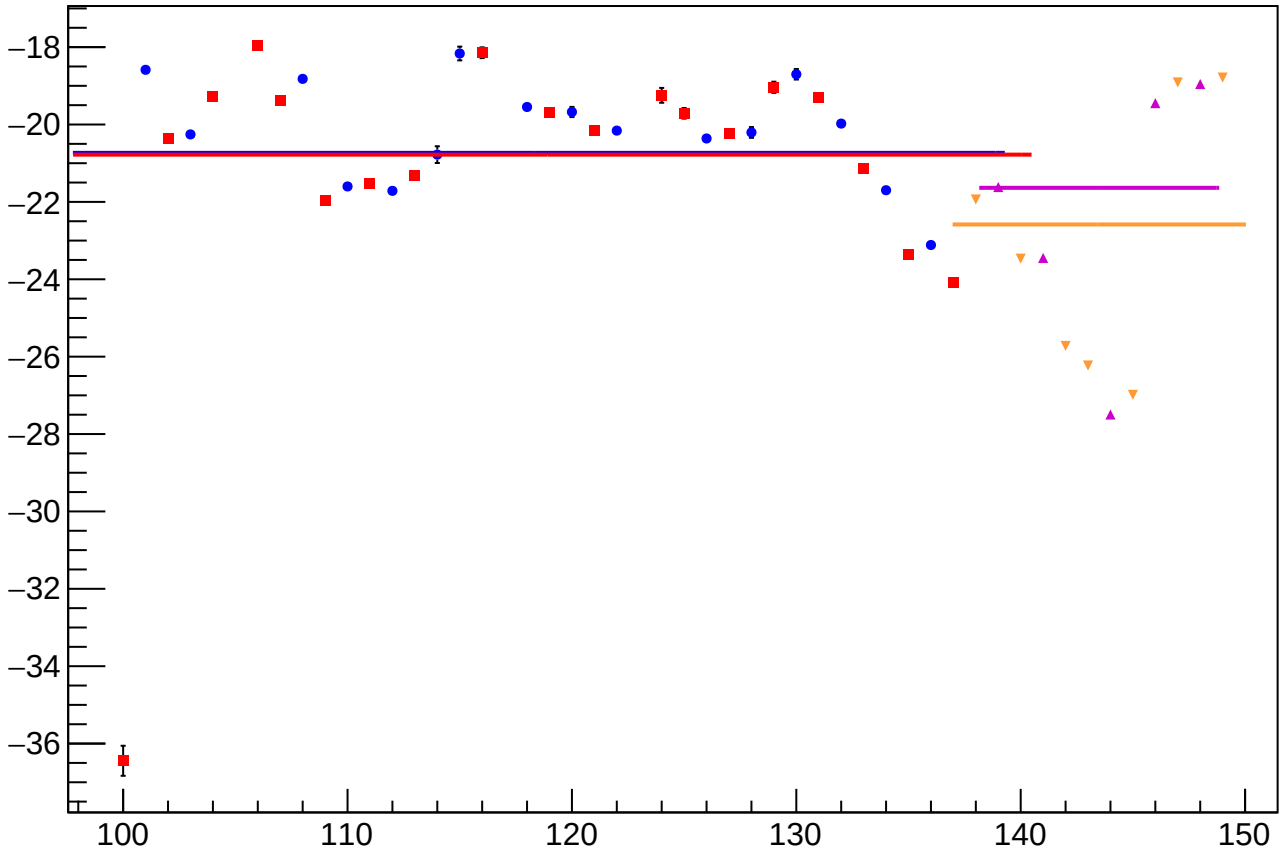
Left: 5.793+/-0.237 χ^2/NDF: 555.8/11

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.148+/-0.254 χ^2/NDF:520.6/20

Out: 3.616+/-0.242 χ^2/NDF:760.7/25

All: 3.870+/-0.175 χ^2/NDF: 1283.6/46



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -22.583+/-0.016 χ^2/NDF:39315.8/6

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -21.636+/-0.017 χ^2/NDF:26247.6/4

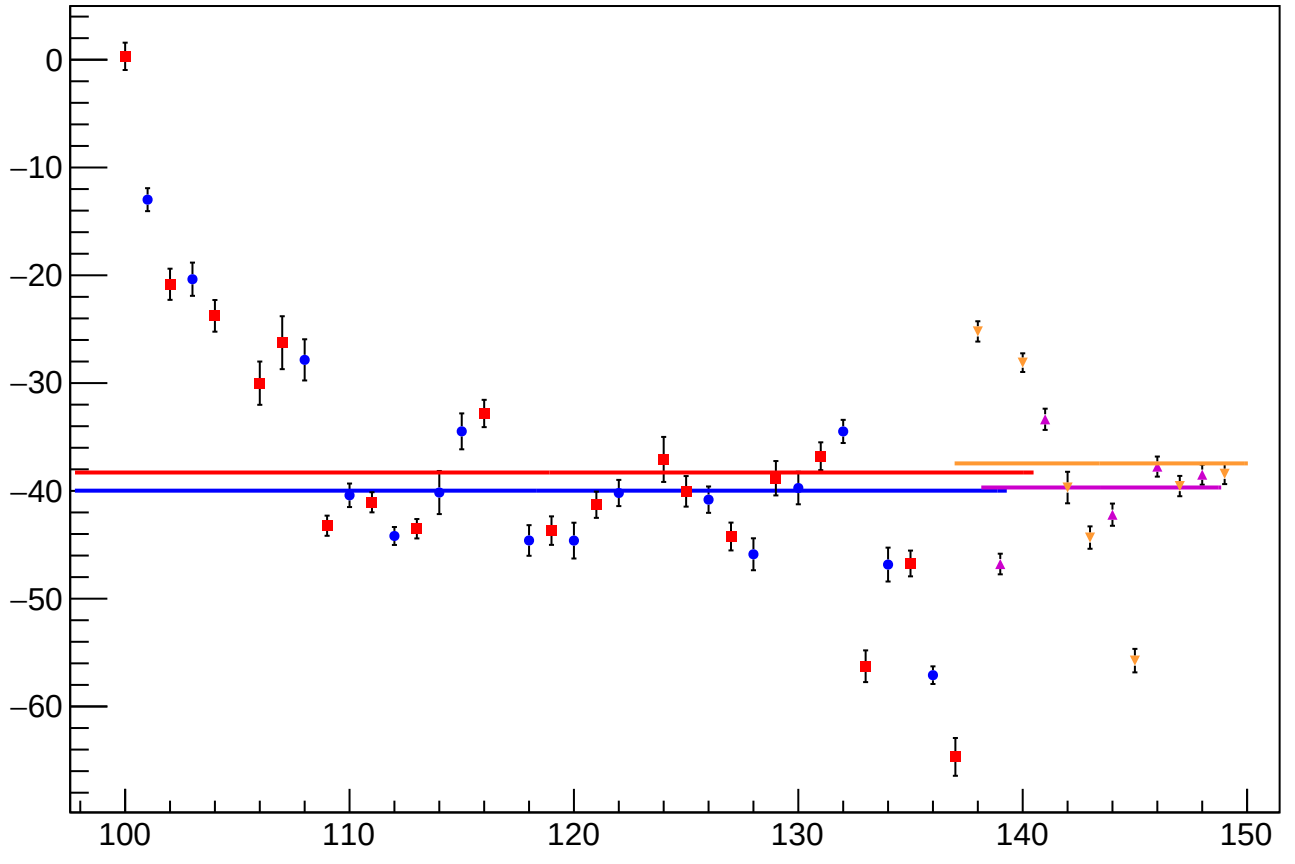
Left: -22.151+/-0.012 χ^2/NDF: 67180.2/11

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -21.234+/-0.013 χ^2/NDF:35083.8/20

Out: -21.892+/-0.012 χ^2/NDF:53672.5/25

All: -21.575+/-0.009 χ^2/NDF: 90090.1/46



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.451+/-0.380 χ^2/NDF:619.1/6

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -39.686+/-0.432 χ^2/NDF:108.3/4

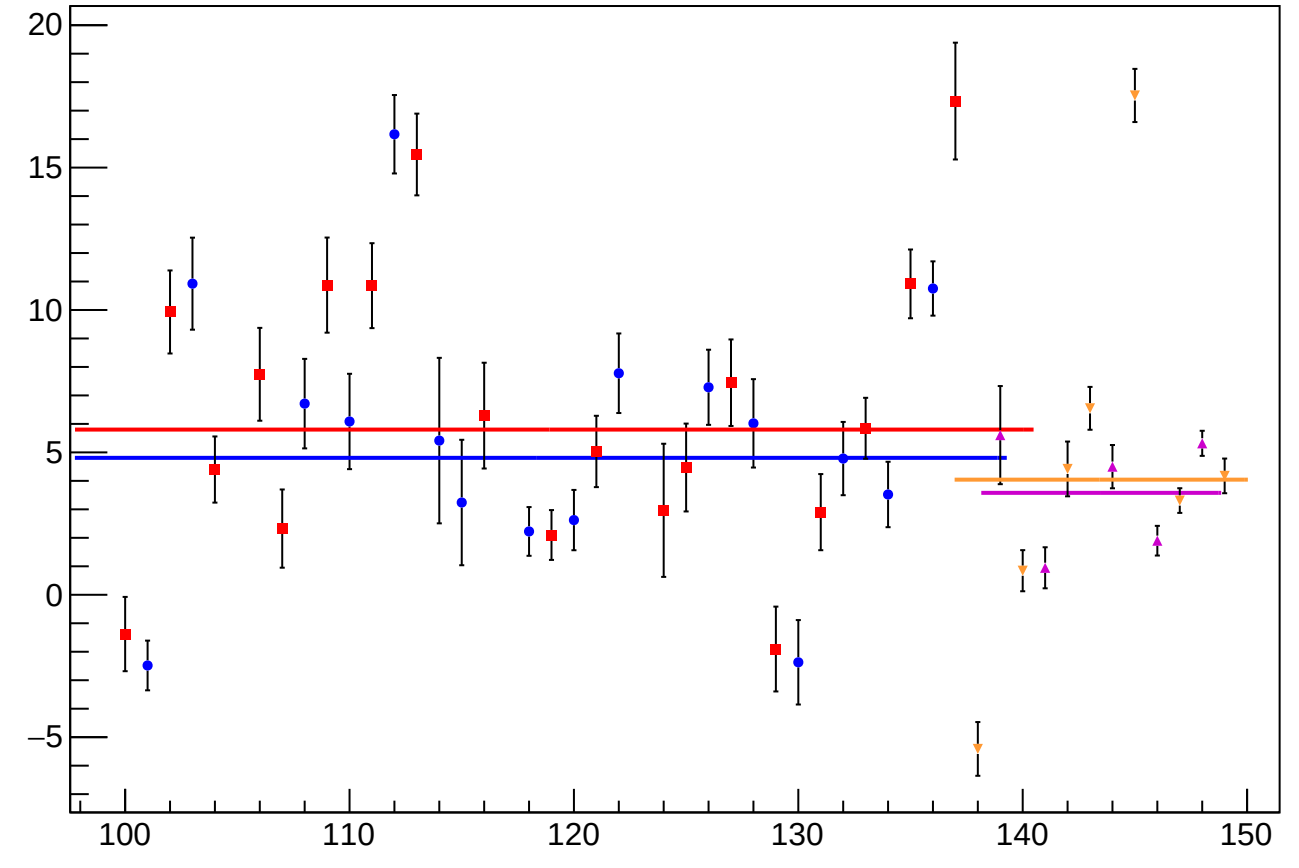
Left: -38.427+/-0.285 χ^2/NDF: 742.5/11

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.879+/-0.252 χ^2/NDF:1507.0/20

Out: -37.972+/-0.235 χ^2/NDF:2395.9/25

All: -38.858+/-0.172 χ^2/NDF: 3933.5/46


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
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5
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−5
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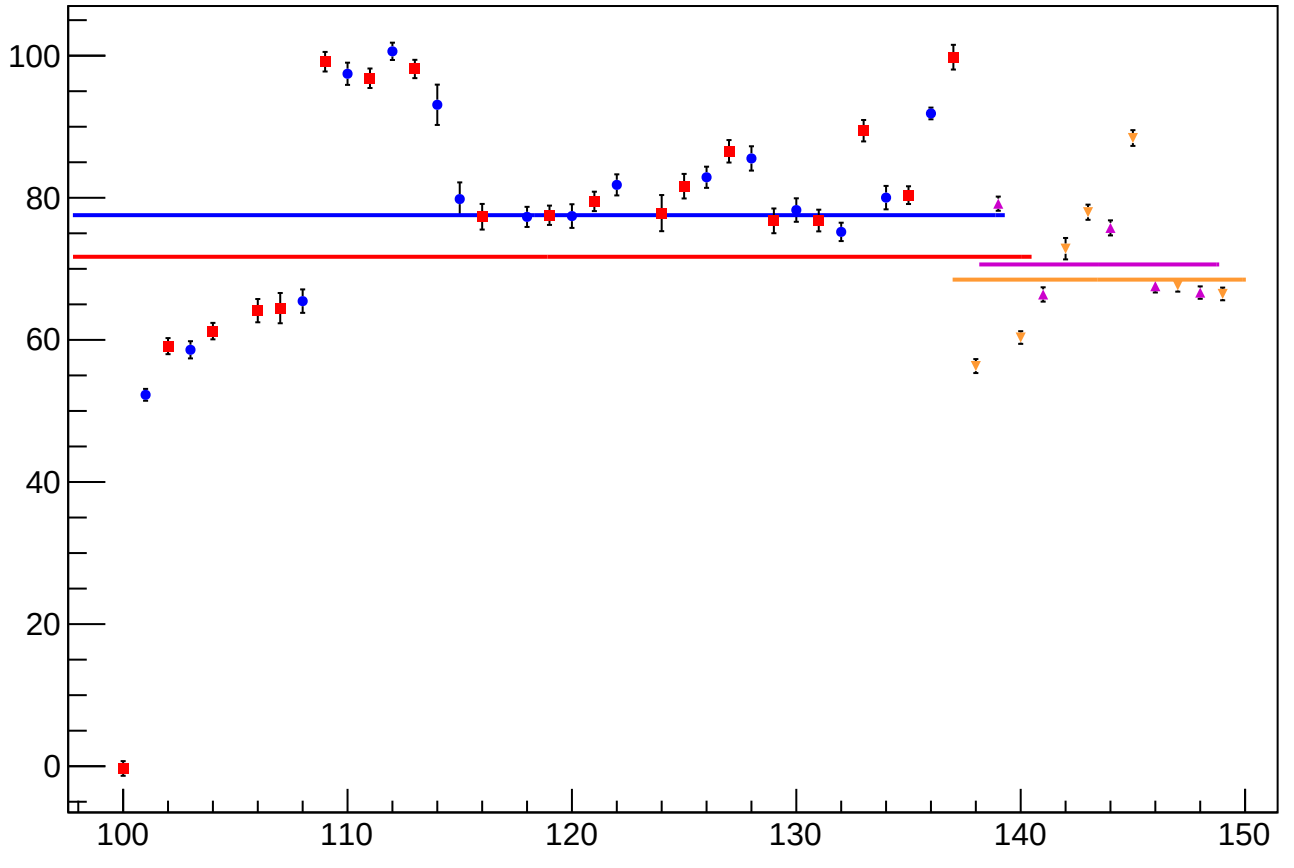
110
120
130
140
150
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 4.043+/-0.258 χ²/NDF:343.0/6
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 3.579+/-0.279 χ²/NDF:42.2/4
Left: 3.829+/-0.189 χ²/NDF: 386.7/11
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.117+/-0.209 χ²/NDF:291.1/20
Out: 4.748+/-0.199 χ²/NDF:578.1/25
All: 4.448+/-0.144 χ²/NDF: 874.0/46



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 68.483+/-0.379 χ^2/NDF:652.6/6

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 70.617+/-0.429 χ^2/NDF:146.8/4

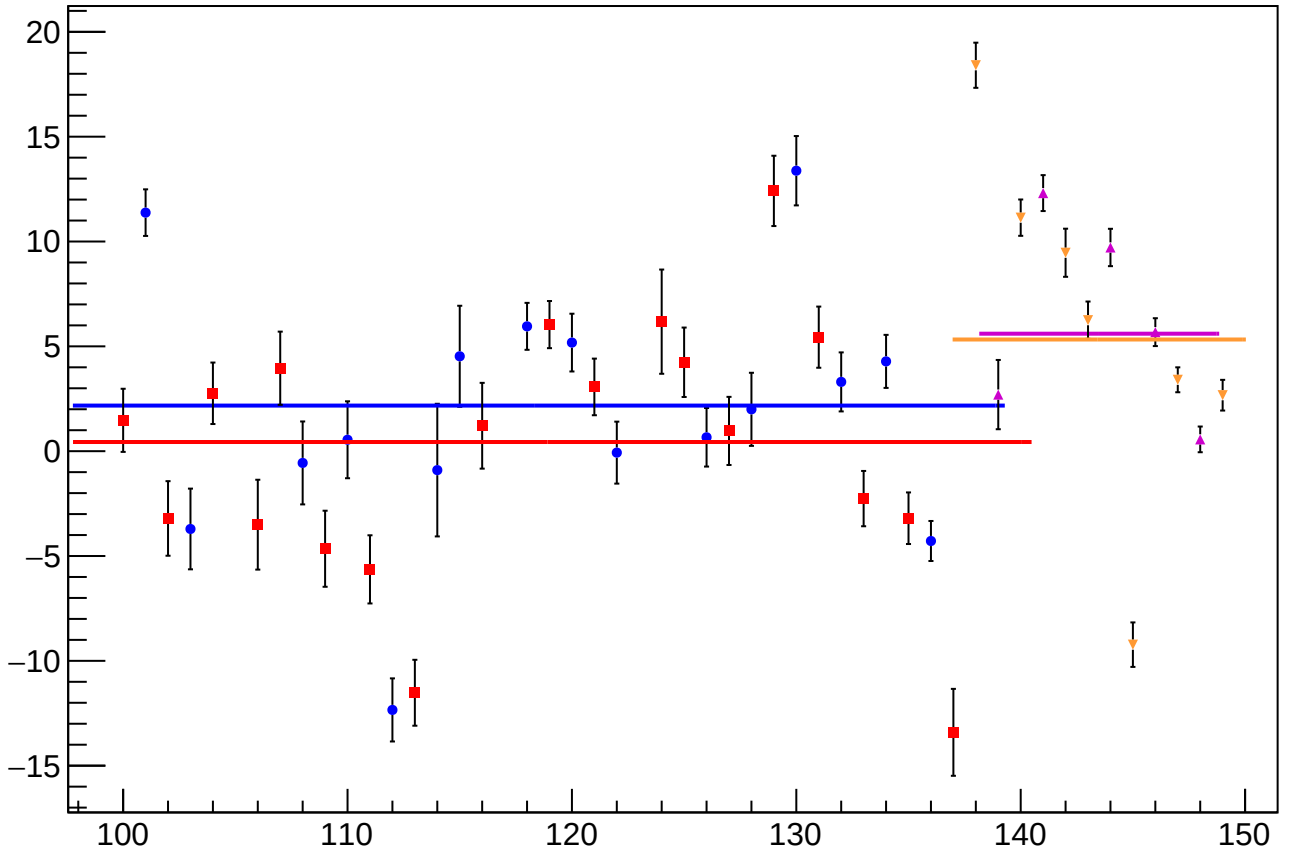
Left: 69.419+/-0.284 χ^2/NDF: 813.3/11

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 74.901+/-0.265 χ^2/NDF:2426.8/20

Out: 70.309+/-0.249 χ^2/NDF:7597.0/25

All: 72.461+/-0.182 χ^2/NDF: 10183.2/46



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.326+/-0.319 χ^2/NDF:418.4/6

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 5.604+/-0.355 χ^2/NDF:153.3/4

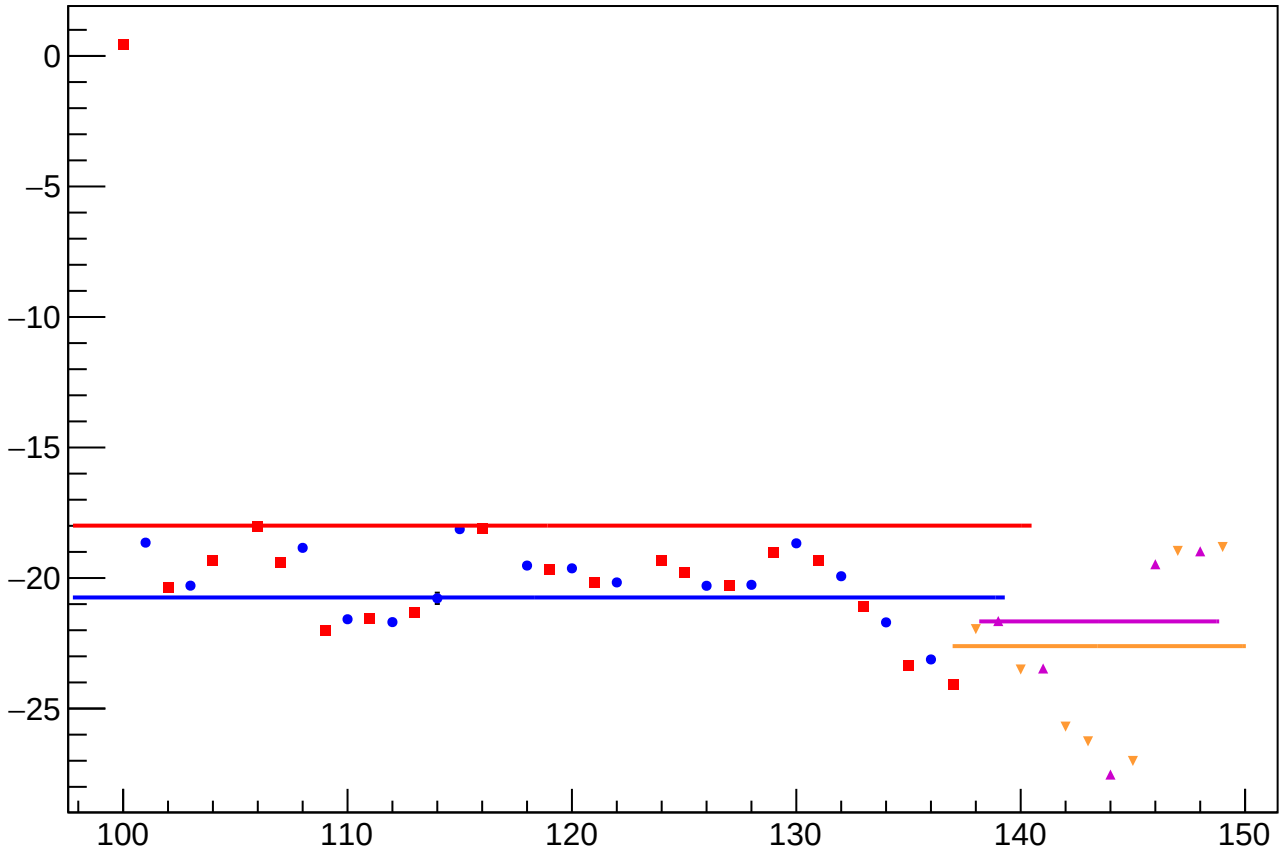
Left: 5.450+/-0.238 χ^2/NDF: 572.1/11

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.928+/-0.254 χ^2/NDF:489.1/20

Out: 3.186+/-0.239 χ^2/NDF:775.2/25

All: 3.535+/-0.174 χ^2/NDF: 1268.8/46



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -22.609+/-0.016 χ^2/NDF:39010.6/6

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -21.662+/-0.017 χ^2/NDF:26197.6/4

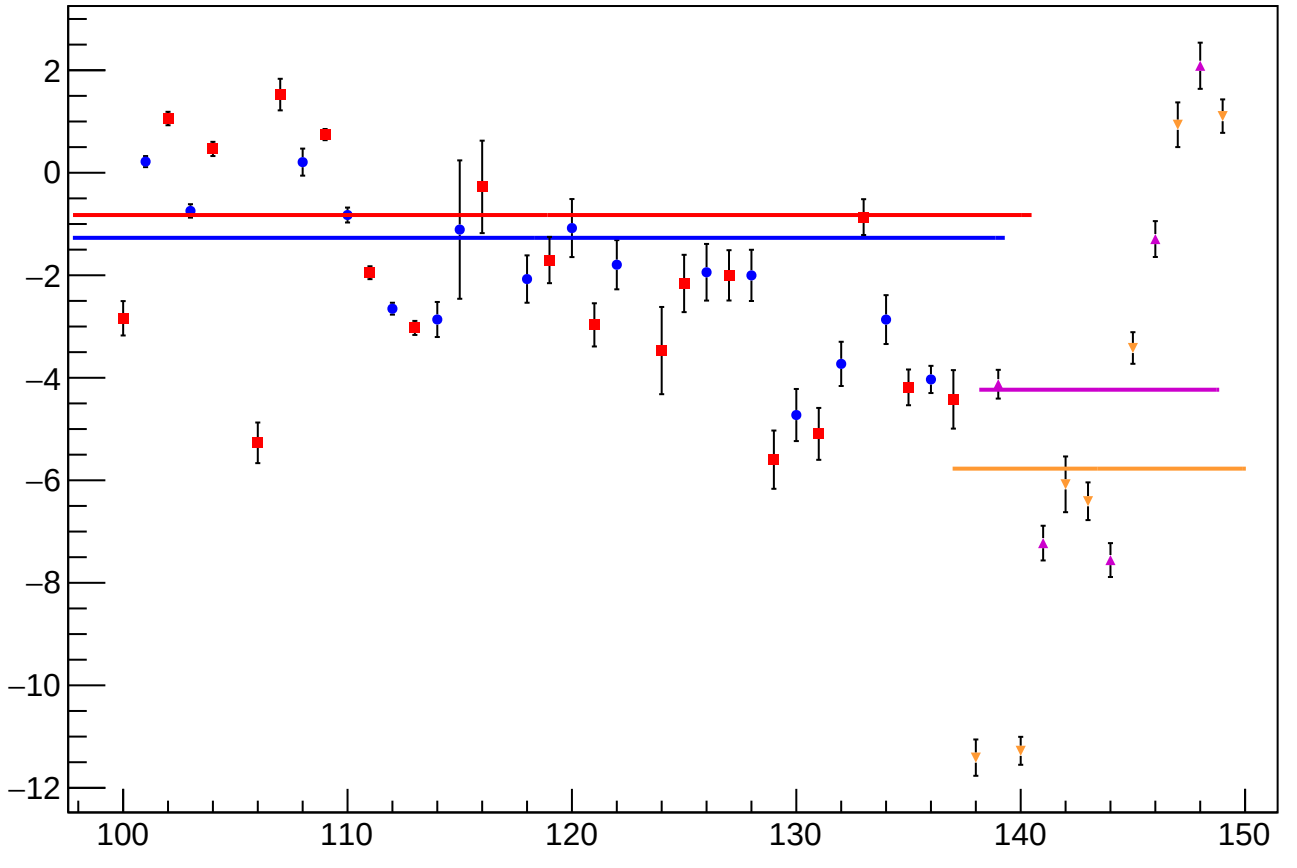
Left: -22.177+/-0.012 χ^2/NDF: 66818.3/11

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -21.254+/-0.013 χ^2/NDF:34946.8/20

Out: -20.688+/-0.012 χ^2/NDF:224496.6/25

All: -20.953+/-0.009 χ^2/NDF: 260455.8/46



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.773+/-0.132 χ^2/NDF:1402.7/6

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -4.233+/-0.151 χ^2/NDF:446.7/4

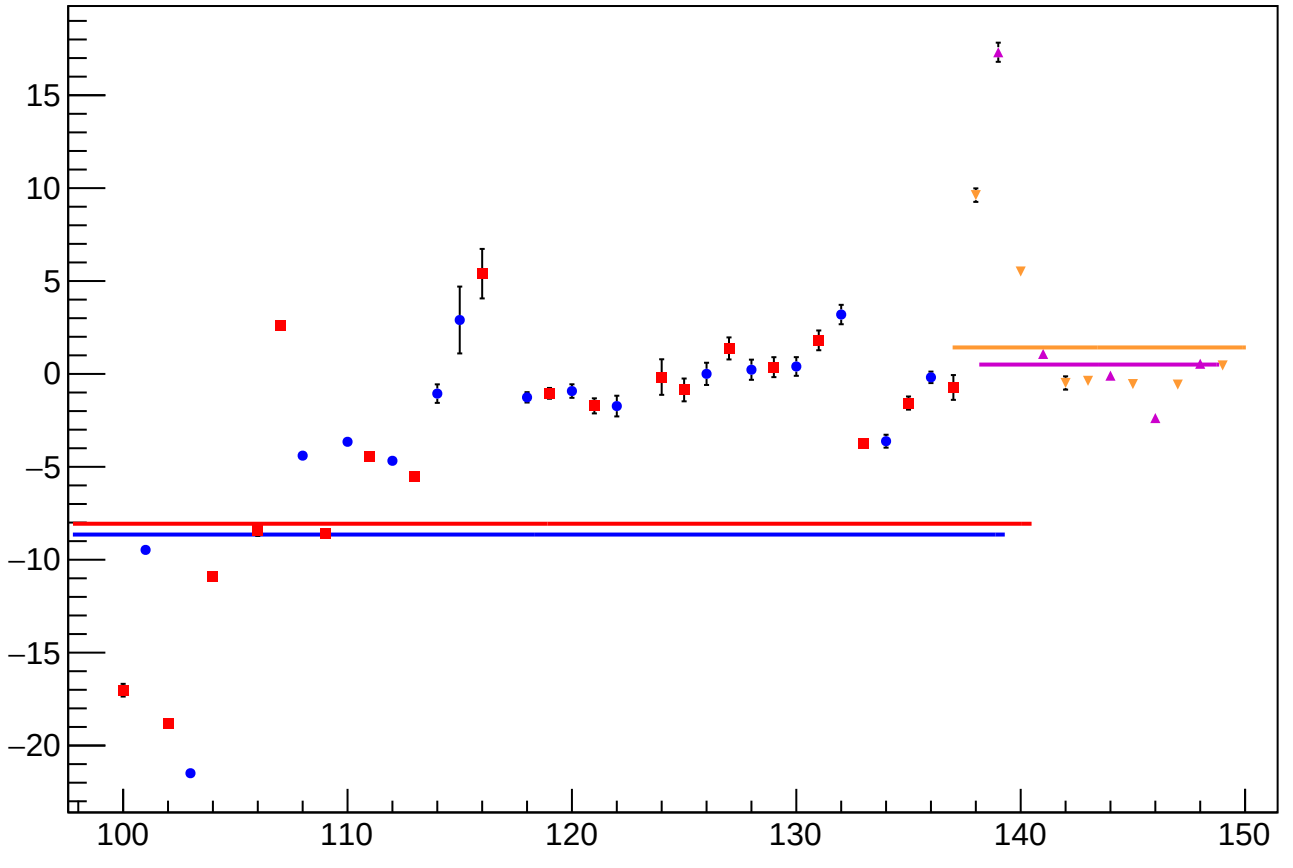
Left: -5.107+/-0.100 χ^2/NDF: 1908.2/11

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.610+/-0.051 χ^2/NDF:1402.5/20

Out: -1.468+/-0.048 χ^2/NDF:4008.1/25

All: -1.534+/-0.035 χ^2/NDF: 5414.7/46



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.425+/-0.095 χ^2/NDF:1073.7/6

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.504+/-0.112 χ^2/NDF:1258.9/4

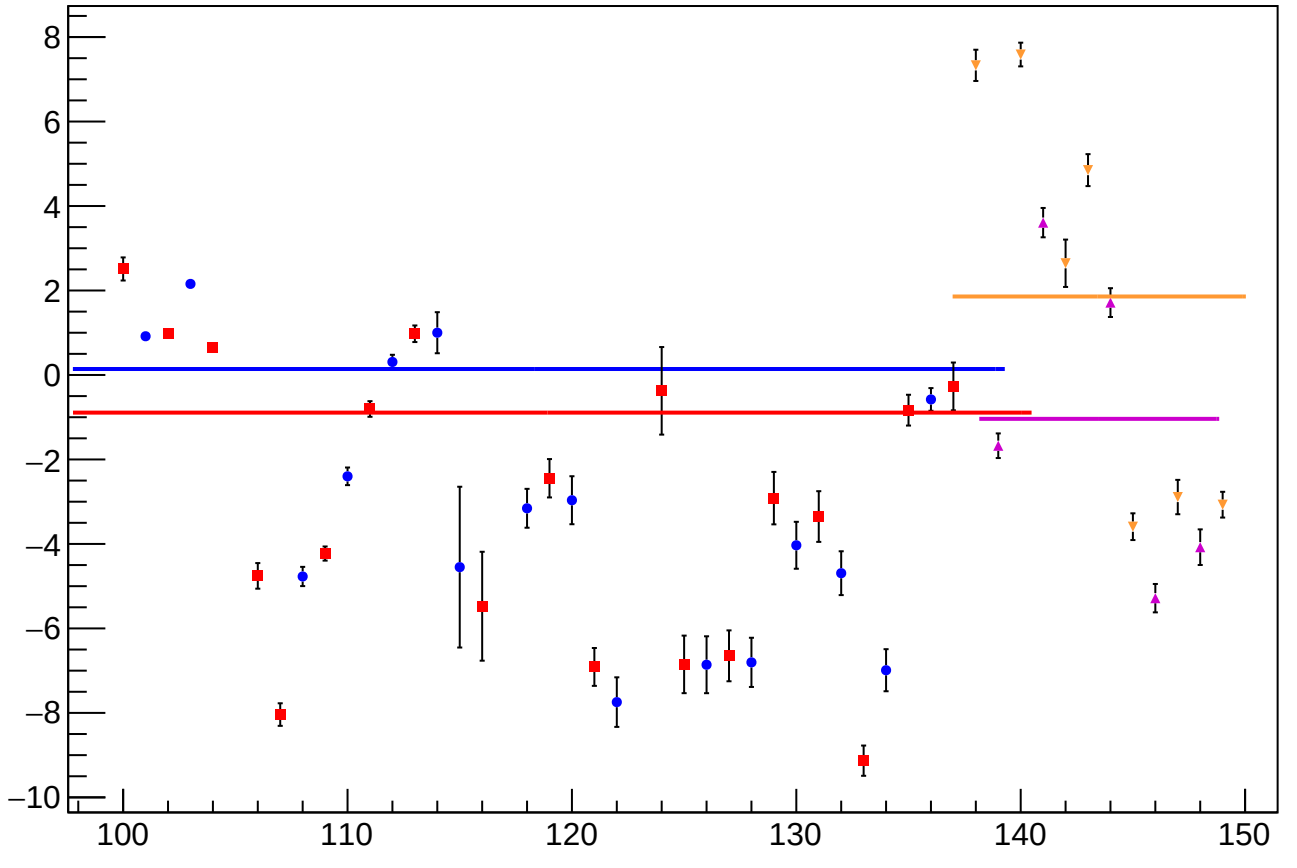
Left: 1.038+/-0.073 χ^2/NDF: 2371.9/11

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -6.765+/-0.051 χ^2/NDF:20391.3/20

Out: -5.531+/-0.049 χ^2/NDF:22767.7/25

All: -6.129+/-0.035 χ^2/NDF: 43463.8/46



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.858+/-0.133 χ^2/NDF:1394.0/6

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -1.039+/-0.152 χ^2/NDF:460.3/4

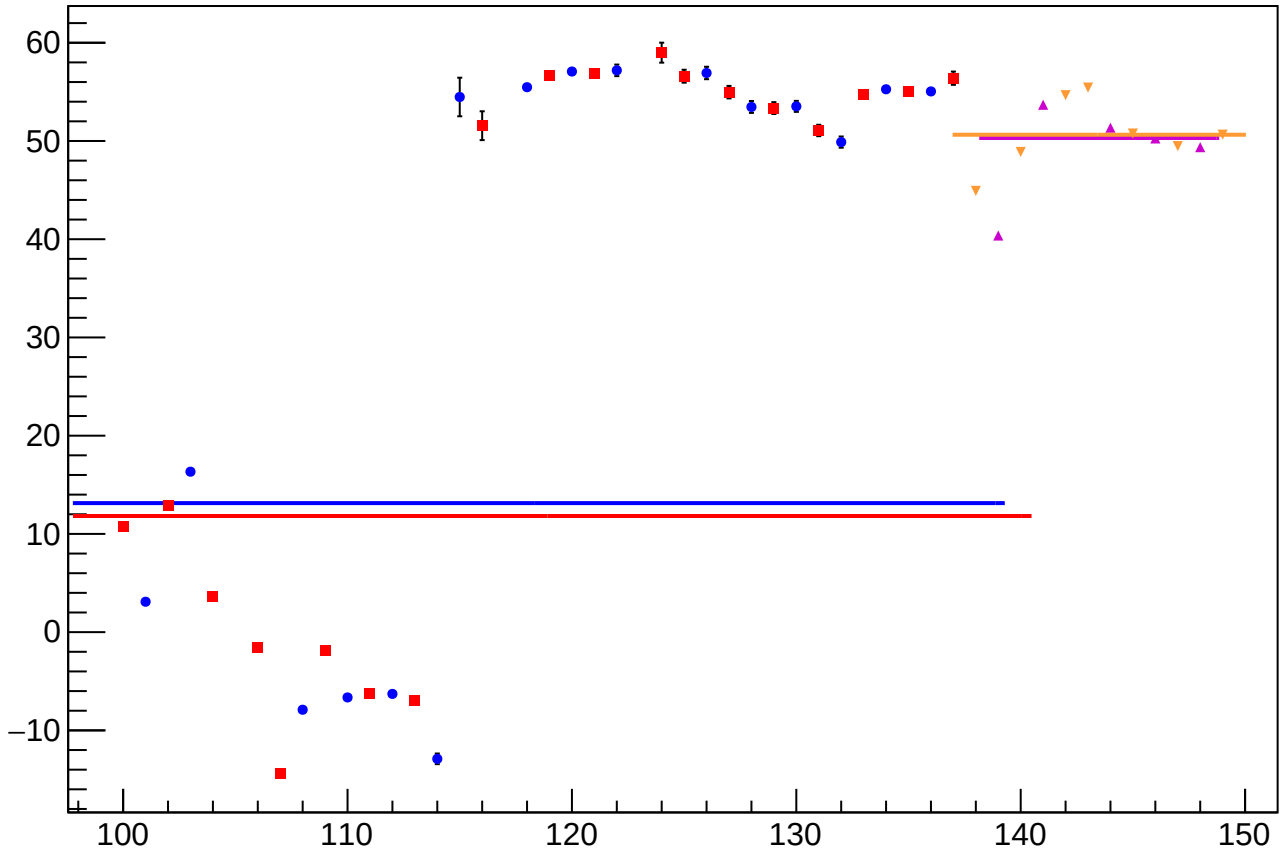
Left: 0.610+/-0.100 χ^2/NDF: 2060.2/11

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.014+/-0.050 χ^2/NDF:2473.6/20

Out: -0.504+/-0.050 χ^2/NDF:4749.5/25

All: -0.247+/-0.035 χ^2/NDF: 7277.2/46



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.636+/-0.115 χ^2/NDF:571.5/6

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.305+/-0.137 χ^2/NDF:557.2/4

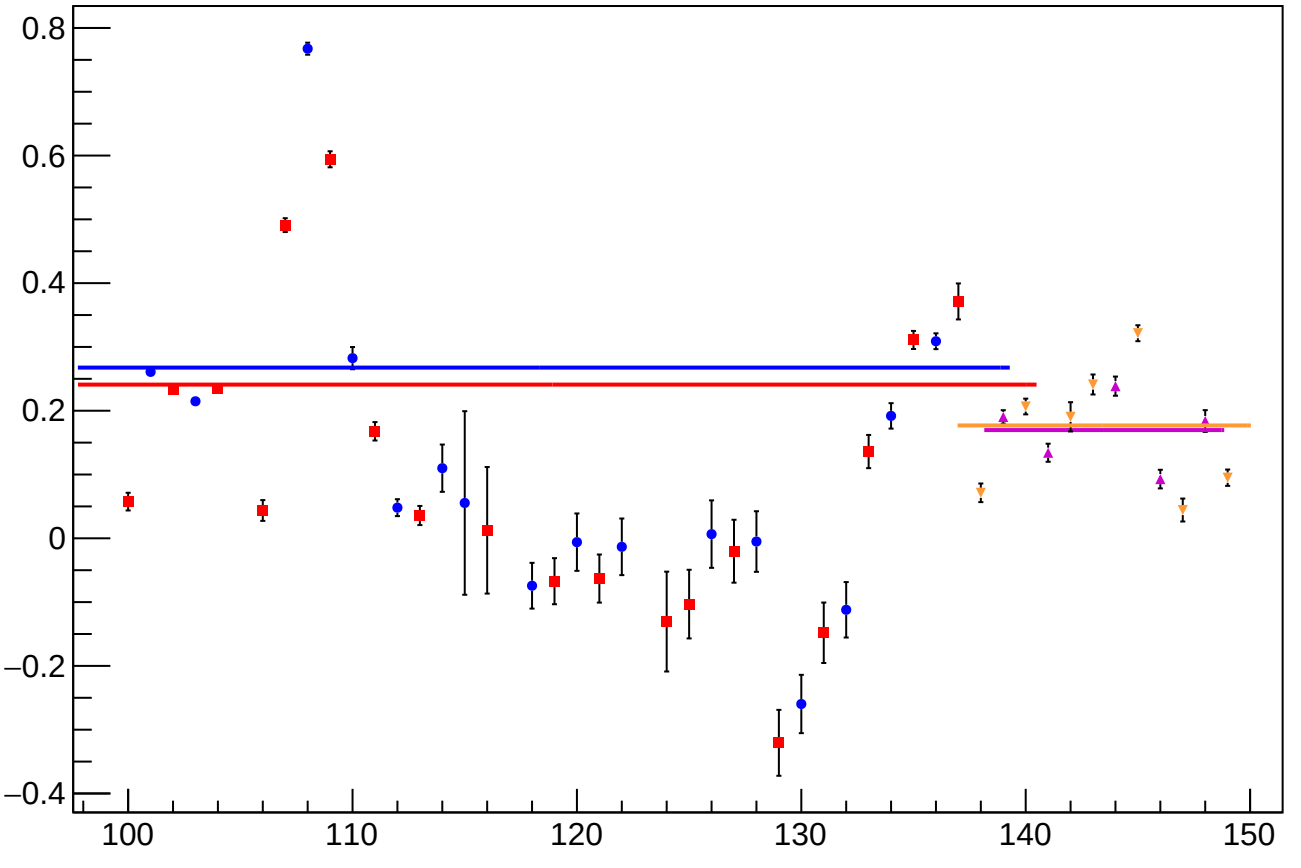
Left: 50.498+/-0.088 χ^2/NDF: 1132.0/11

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 20.484+/-0.061 χ^2/NDF:168293.3/20

Out: 21.784+/-0.058 χ^2/NDF:202736.9/25

All: 21.160+/-0.042 χ^2/NDF: 371267.6/46



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.177+/-0.006 χ^2/NDF:304.3/6

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.170+/-0.006 χ^2/NDF:59.5/4

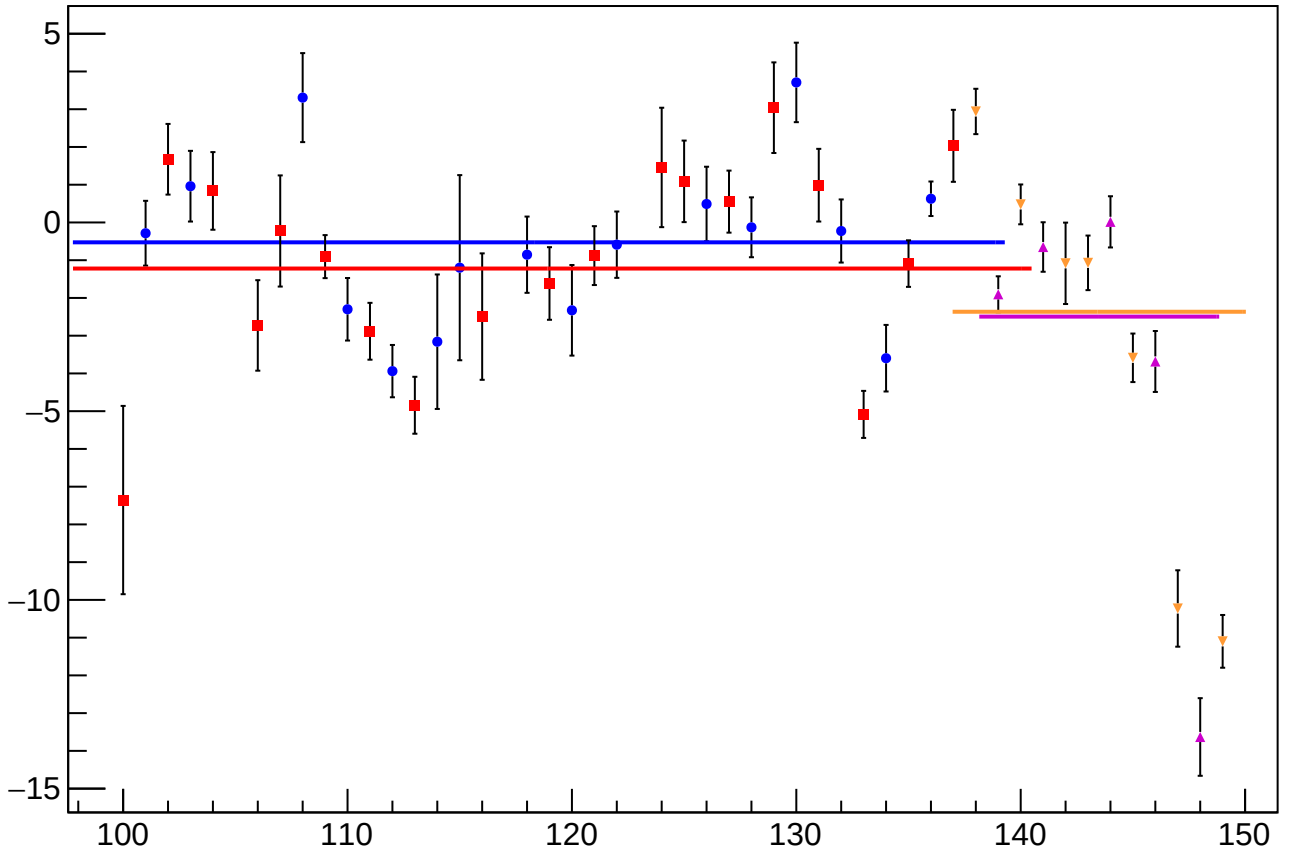
Left: 0.174+/-0.004 χ^2/NDF: 364.5/11

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.251+/-0.003 χ^2/NDF:3990.3/20

Out: 0.228+/-0.002 χ^2/NDF:2751.3/25

All: 0.239+/-0.002 χ^2/NDF: 6782.5/46



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.366+/-0.262 χ^2/NDF:331.7/6

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -2.495+/-0.296 χ^2/NDF:142.6/4

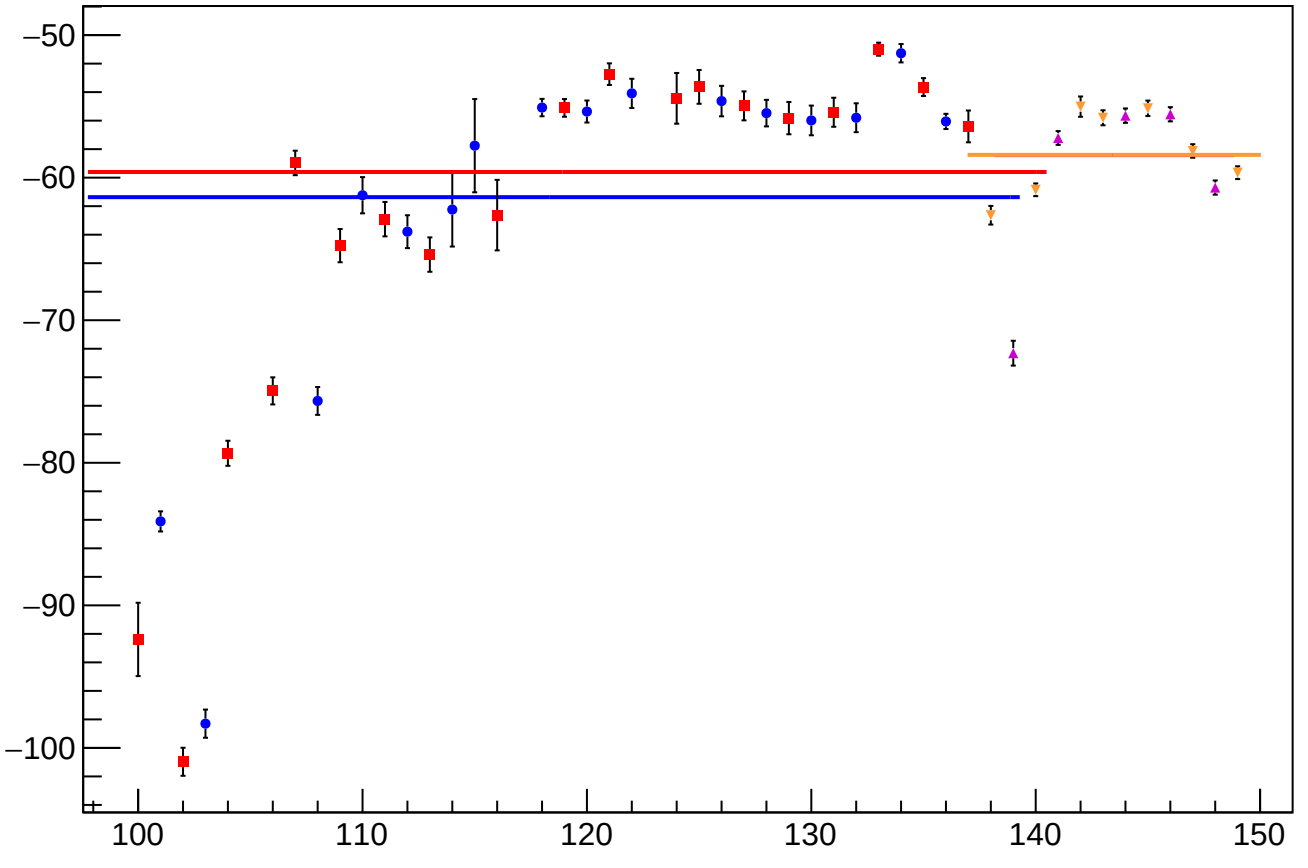
Left: -2.422+/-0.196 χ^2/NDF: 474.4/11

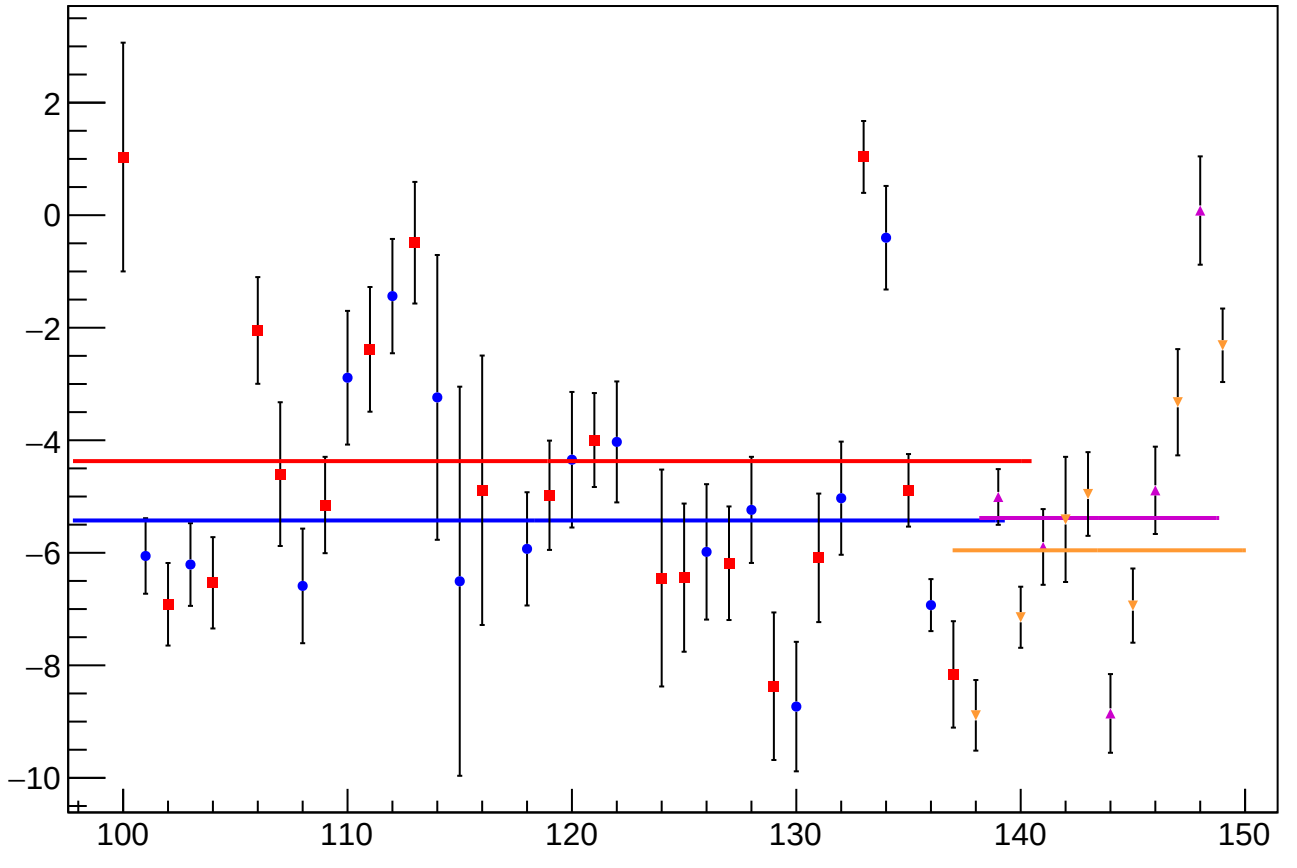
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.214+/-0.175 χ^2/NDF:254.0/20

Out: -1.655+/-0.161 χ^2/NDF:474.5/25

All: -1.452+/-0.119 χ^2/NDF: 732.0/46


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -58.400+/-0.197 χ²/NDF:163.4/6
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: -58.418+/-0.239 χ²/NDF:344.2/4
Left: -58.407+/-0.152 χ²/NDF: 507.6/11
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -60.020+/-0.161 χ²/NDF:3778.2/20
Out: -58.973+/-0.143 χ²/NDF:3602.4/25
All: -59.432+/-0.107 χ²/NDF: 7404.3/46



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -5.956+/-0.264 χ^2/NDF:69.8/6

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: -5.705+/-0.198 χ^2/NDF: 130.3/11

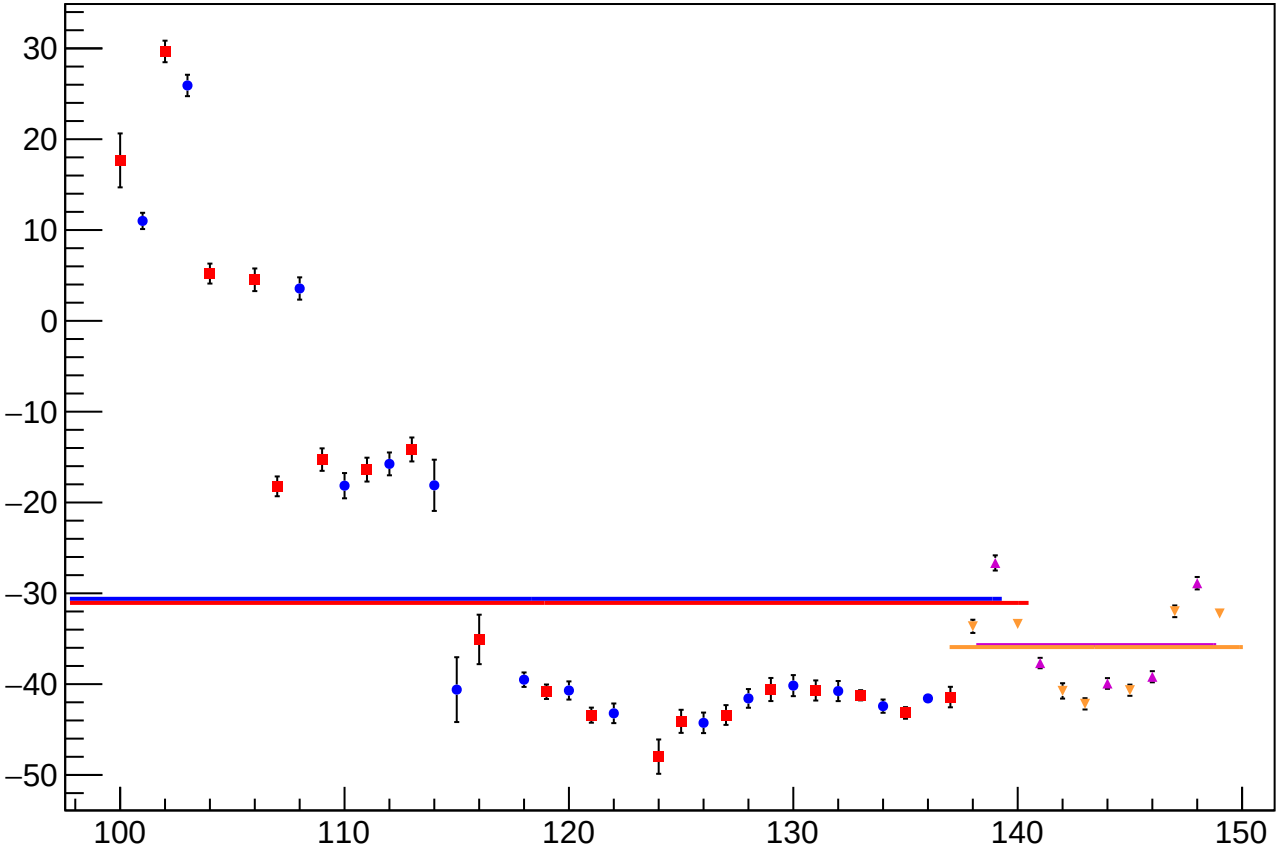
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.409+/-0.183 χ^2/NDF:134.4/20

Out: -5.028+/-0.170 χ^2/NDF:247.5/25

All: -5.205+/-0.125 χ^2/NDF: 384.2/46

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -35.921+/-0.237 χ^2/NDF:310.2/6

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -35.702+/-0.287 χ^2/NDF:311.5/4

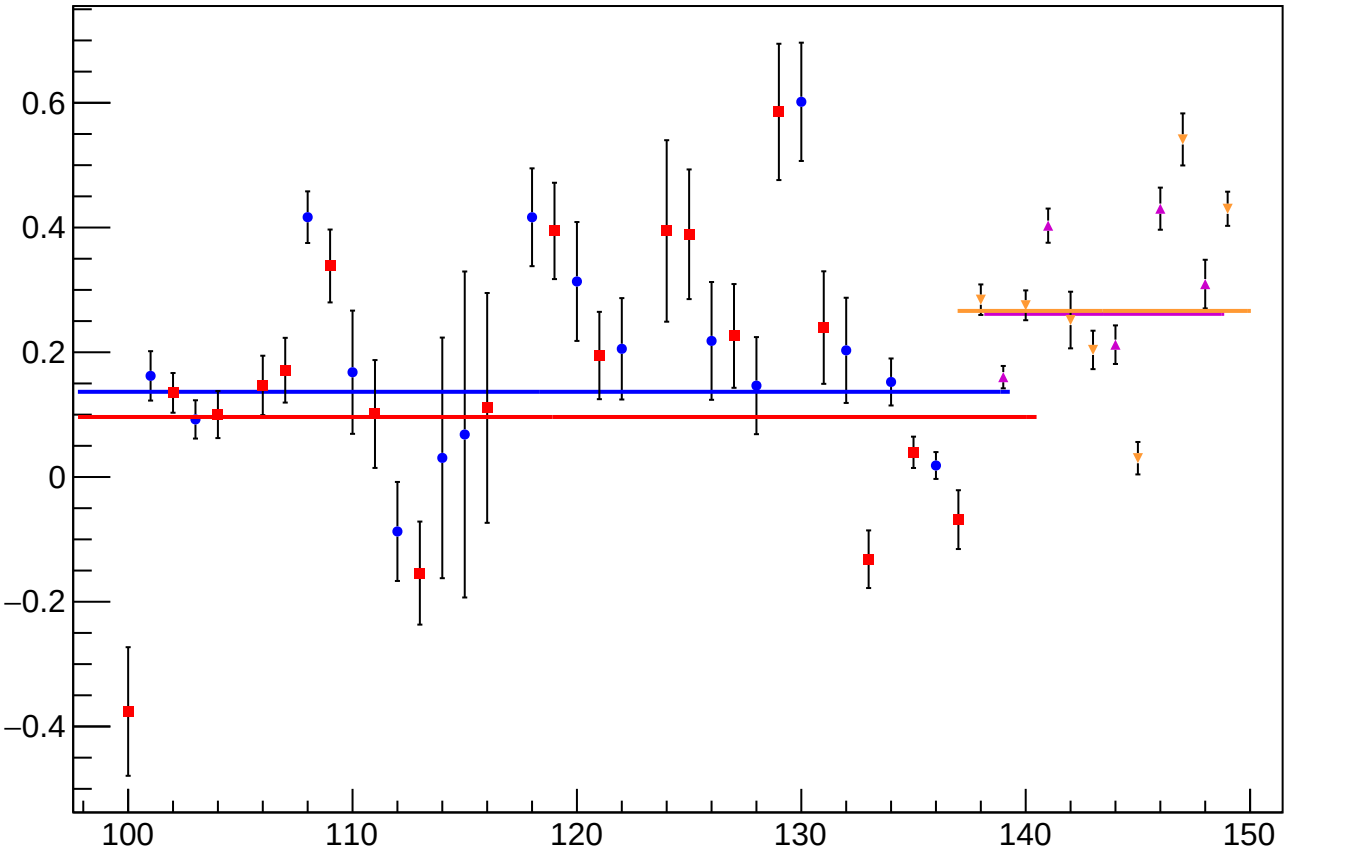
Left: -35.832+/-0.183 χ^2/NDF: 622.1/11

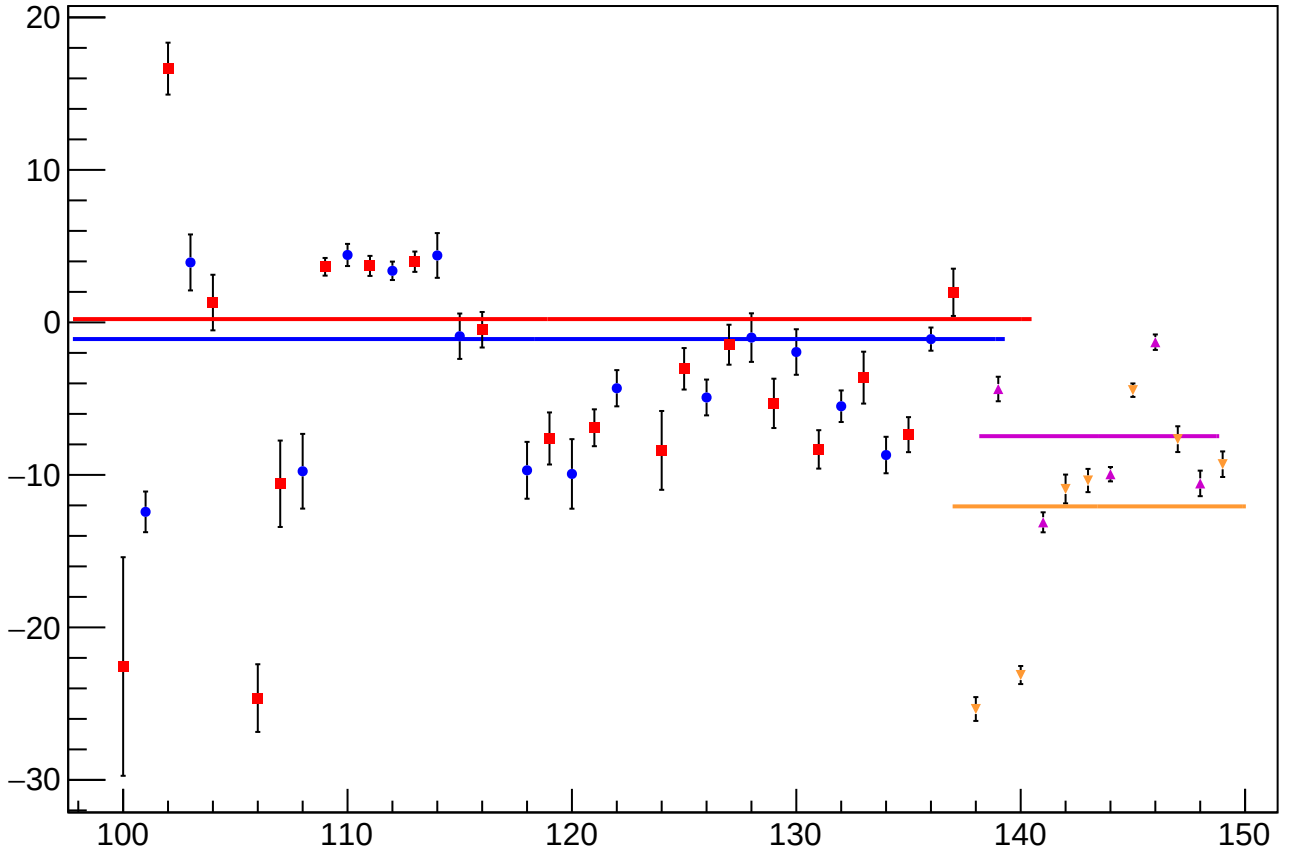
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.799+/-0.188 χ^2/NDF:7429.4/20

Out: -33.501+/-0.168 χ^2/NDF:7497.0/25

All: -33.190+/-0.125 χ^2/NDF: 14934.2/46


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: 0.266+/-0.011 χ²/NDF:166.4/6
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.262+/-0.012 χ²/NDF:87.7/4
Left: 0.264+/-0.008 χ²/NDF: 254.2/11
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.202+/-0.009 χ²/NDF:269.2/20
Out: 0.191+/-0.008 χ²/NDF:420.4/25
All: 0.196+/-0.006 χ²/NDF: 690.4/46



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.065+/-0.256 χ^2/NDF:980.1/6

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -7.461+/-0.270 χ^2/NDF:278.7/4

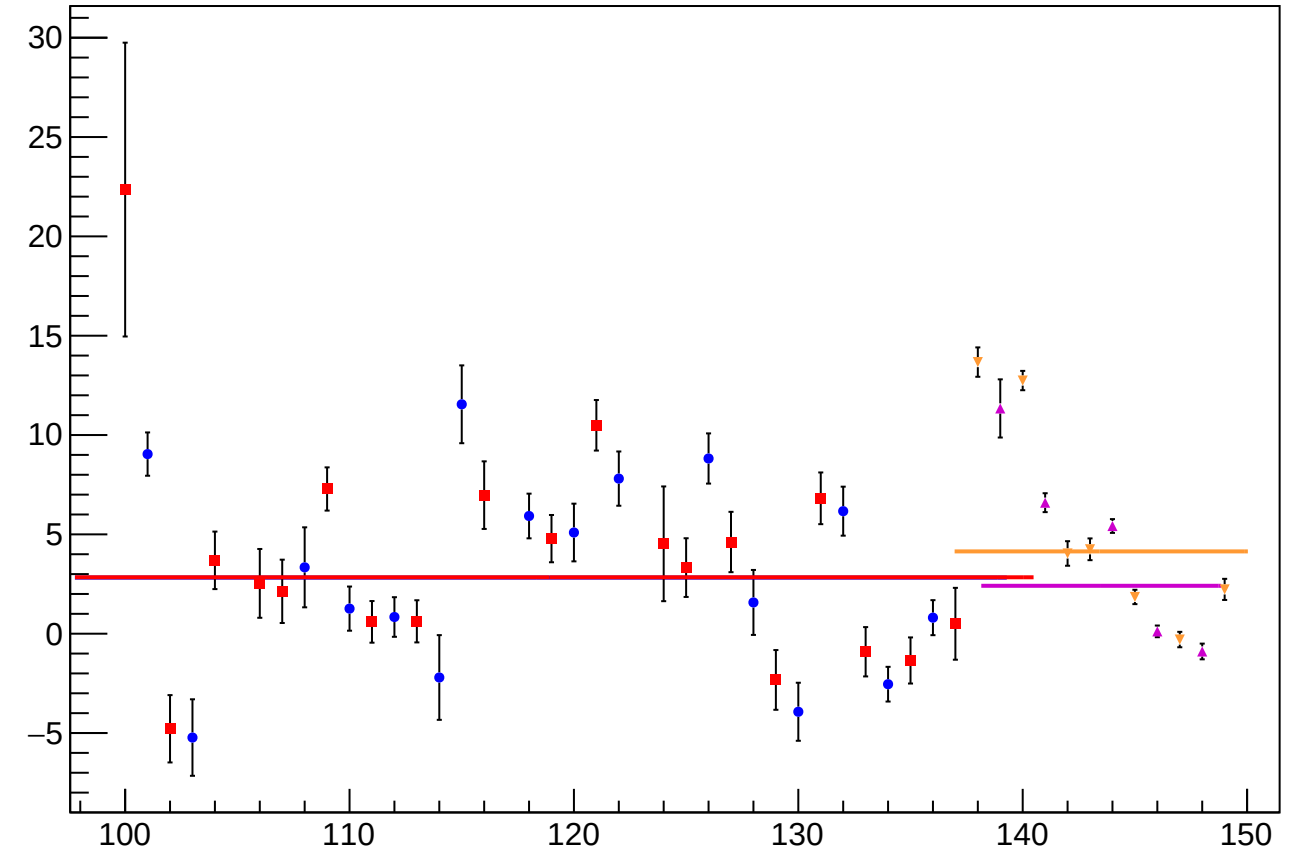
Left: -9.888+/-0.186 χ^2/NDF: 1412.0/11

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.397+/-0.195 χ^2/NDF:878.0/20

Out: -6.168+/-0.184 χ^2/NDF:2607.5/25

All: -5.330+/-0.134 χ^2/NDF: 3529.1/46



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.142+/-0.183 χ^2/NDF:662.6/6

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.411+/-0.179 χ^2/NDF:320.5/4

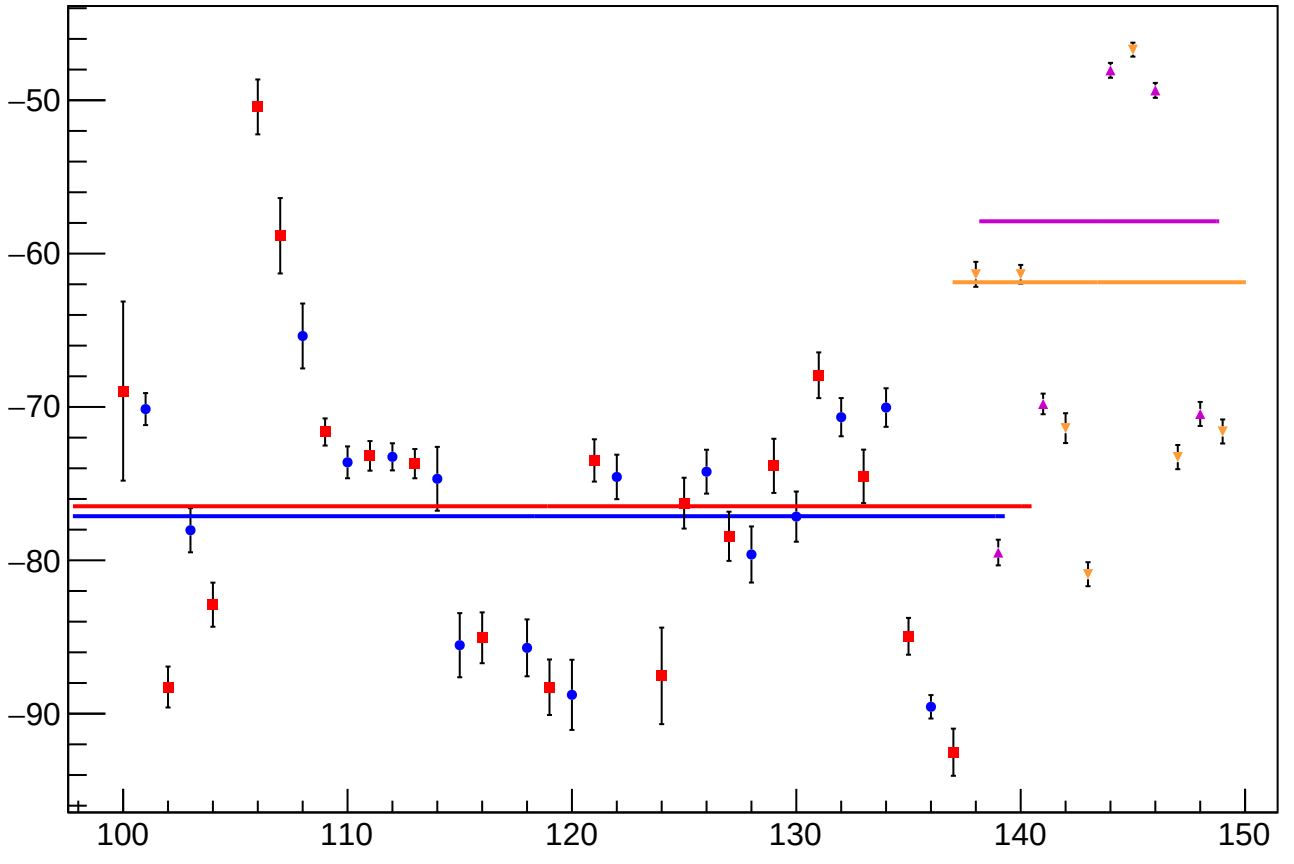
Left: 3.259+/-0.128 χ^2/NDF: 1028.8/11

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.513+/-0.156 χ^2/NDF:521.4/20

Out: 3.825+/-0.159 χ^2/NDF:820.0/25

All: 3.154+/-0.111 χ^2/NDF: 1376.1/46



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -61.868+/-0.259 χ^2/NDF:2159.0/6

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -57.891+/-0.270 χ^2/NDF:1954.2/4

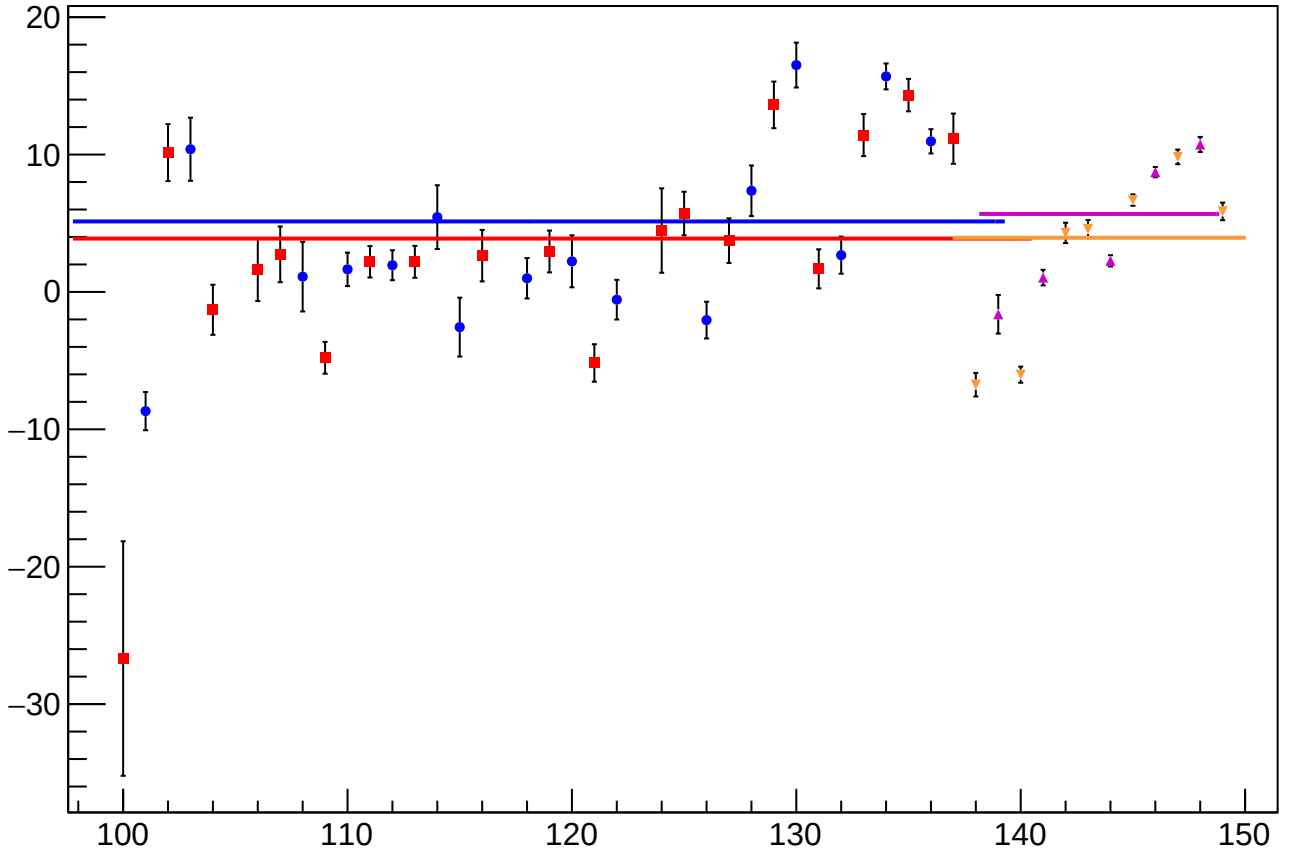
Left: -59.965+/-0.187 χ^2/NDF: 4226.3/11

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -65.709+/-0.208 χ^2/NDF:4519.4/20

Out: -67.458+/-0.203 χ^2/NDF:4075.4/25

All: -66.604+/-0.145 χ^2/NDF: 8631.0/46



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.944+/-0.222 χ^2/NDF:621.4/6

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 5.677+/-0.223 χ^2/NDF:315.0/4

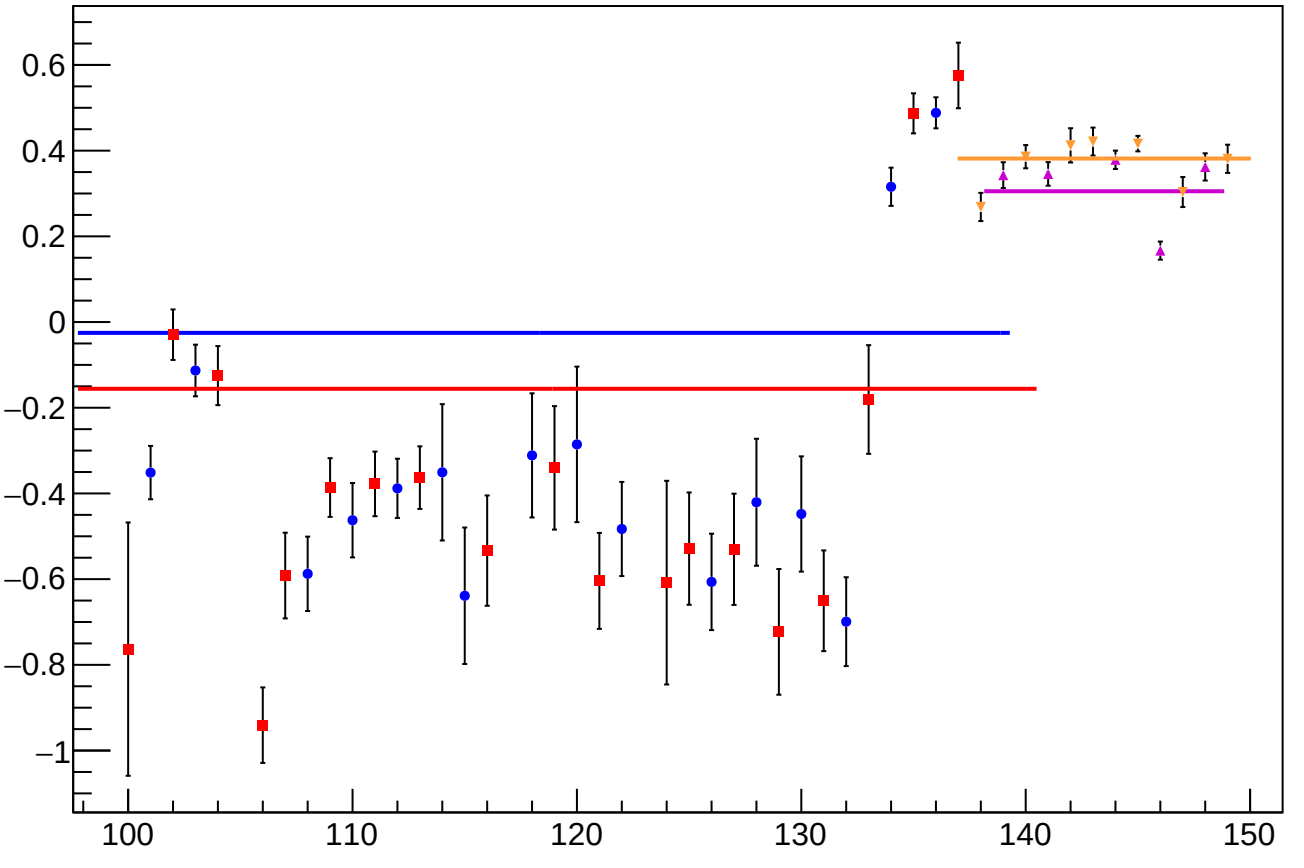
Left: 4.808+/-0.157 χ^2/NDF: 966.8/11

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.519+/-0.188 χ^2/NDF:729.1/20

Out: 3.928+/-0.189 χ^2/NDF:912.9/25

All: 4.730+/-0.133 χ^2/NDF: 1677.6/46



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.382+/-0.011 χ^2/NDF:22.6/6

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.305+/-0.011 χ^2/NDF:61.7/4

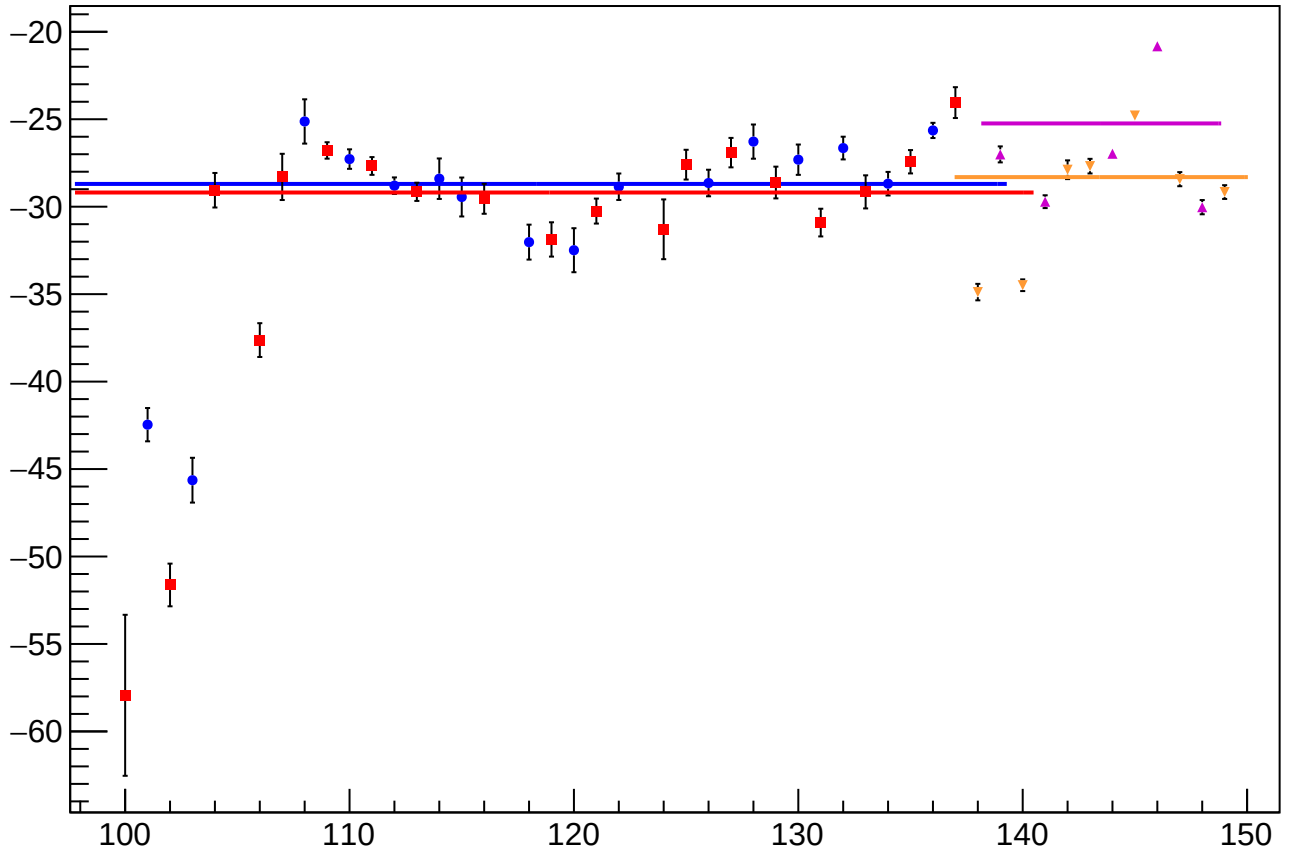
Left: 0.345+/-0.008 χ^2/NDF: 108.2/11

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.219+/-0.010 χ^2/NDF:798.7/20

Out: 0.263+/-0.009 χ^2/NDF:1068.3/25

All: 0.241+/-0.007 χ^2/NDF: 1877.7/46



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.309+/-0.129 χ^2/NDF:845.4/6

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -25.240+/-0.128 χ^2/NDF:817.6/4

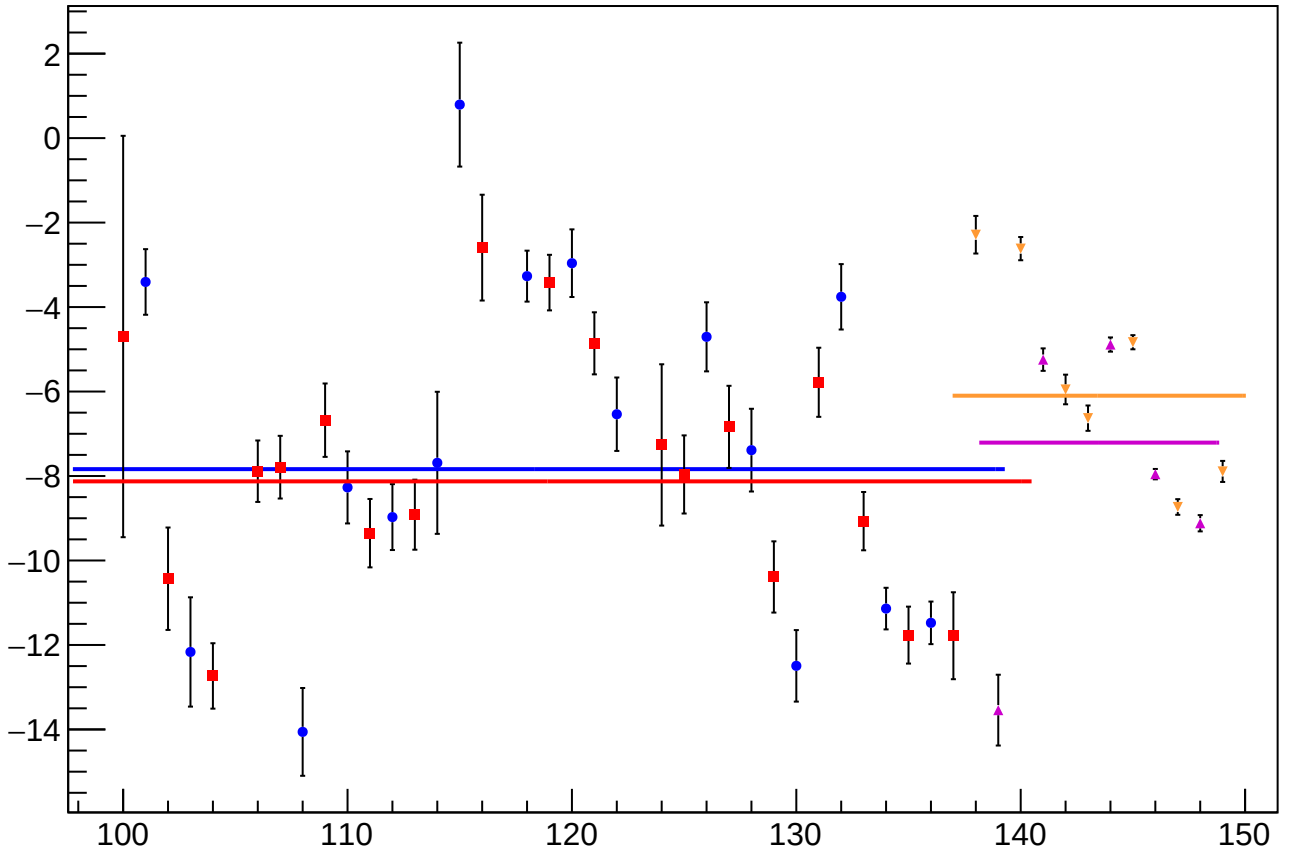
Left: -26.757+/-0.091 χ^2/NDF: 1946.9/11

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.353+/-0.105 χ^2/NDF:1539.7/20

Out: -28.606+/-0.105 χ^2/NDF:1418.3/25

All: -27.480+/-0.075 χ^2/NDF: 3186.5/46



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.099+/-0.092 χ^2/NDF:548.2/6

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.210+/-0.083 χ^2/NDF:437.3/4

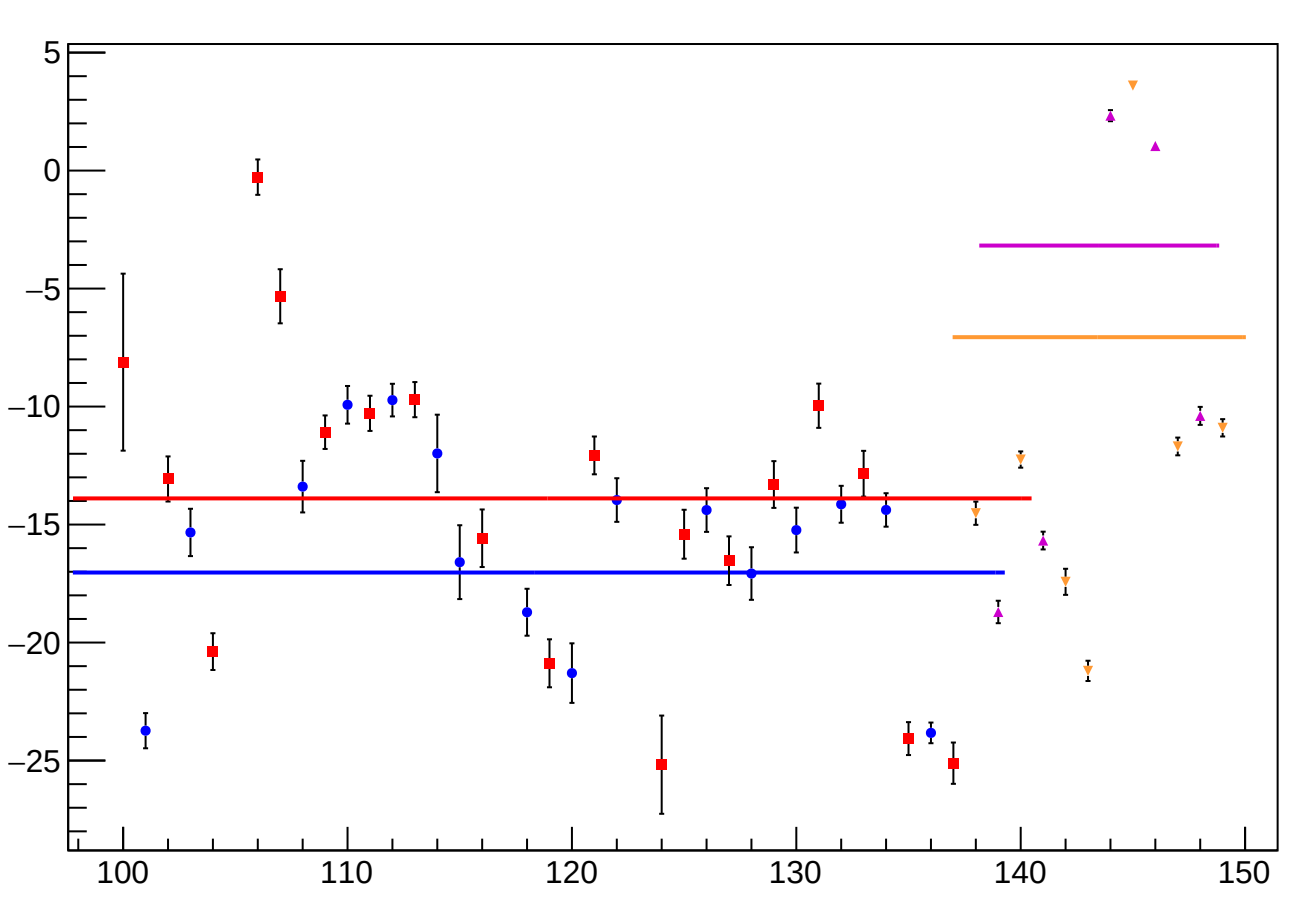
Left: -6.708+/-0.062 χ^2/NDF: 1065.7/11

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.306+/-0.077 χ^2/NDF:829.2/20

Out: -6.462+/-0.083 χ^2/NDF:832.8/25

All: -6.919+/-0.056 χ^2/NDF: 1717.7/46



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -7.060+/-0.130 χ^2/NDF:4781.8/6

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -3.177+/-0.127 χ^2/NDF:3525.7/4

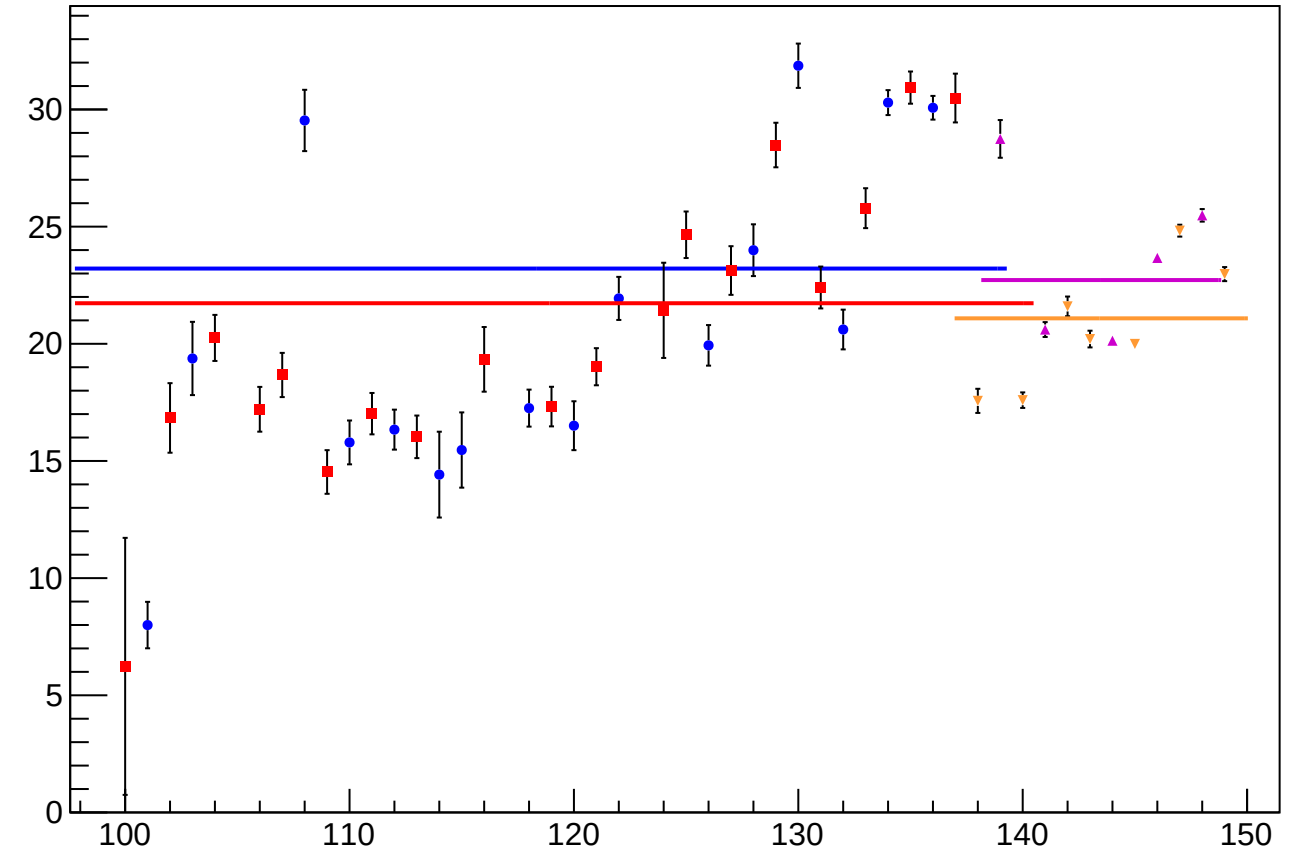
Left: -5.071+/-0.091 χ^2/NDF: 8762.0/11

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.913+/-0.109 χ^2/NDF:7325.6/20

Out: -8.968+/-0.111 χ^2/NDF:6567.0/25

All: -7.922+/-0.078 χ^2/NDF: 14068.2/46



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.087+/-0.112 χ^2/NDF:454.0/6

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.720+/-0.104 χ^2/NDF:416.4/4

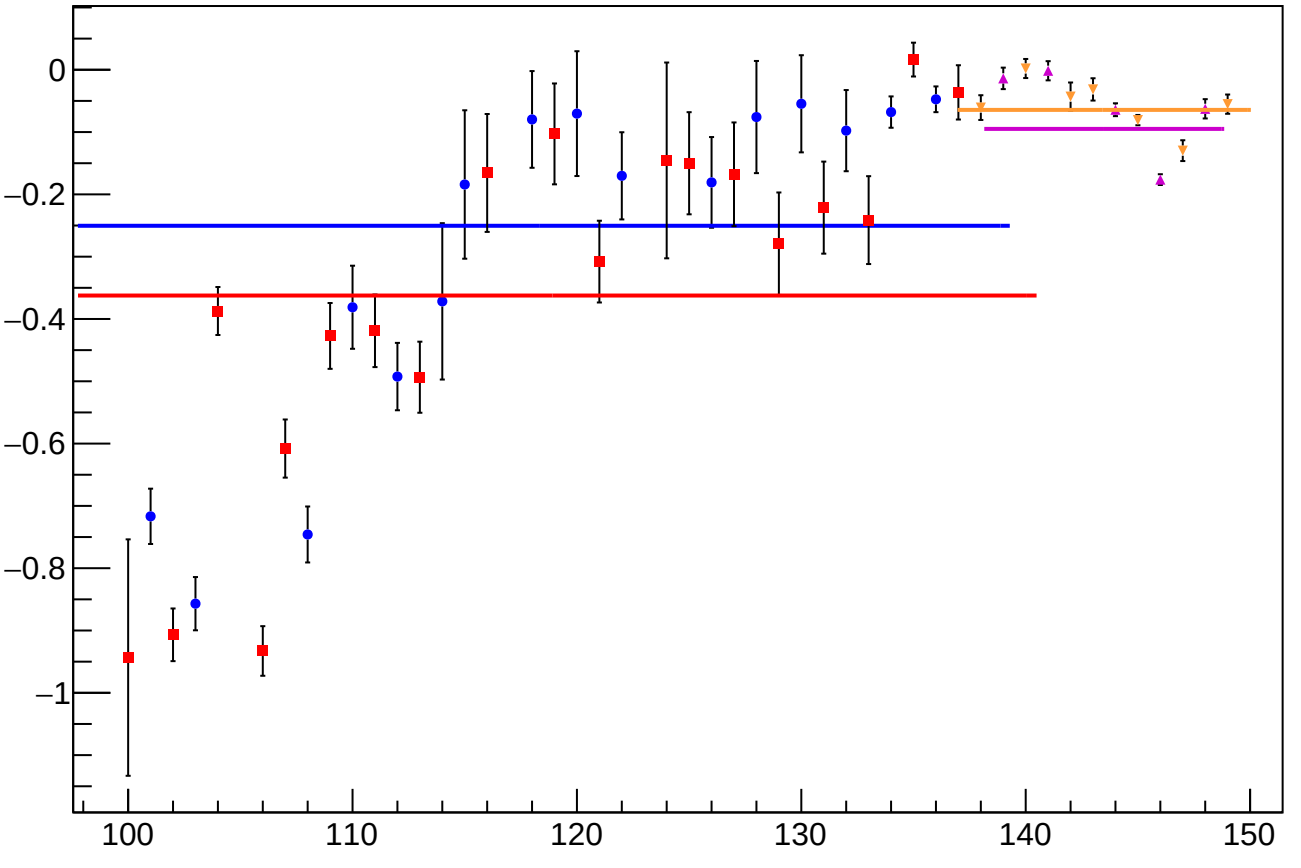
Left: 21.965+/-0.076 χ^2/NDF: 985.6/11

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.811+/-0.094 χ^2/NDF:1428.8/20

Out: 21.215+/-0.100 χ^2/NDF:1018.9/25

All: 22.066+/-0.068 χ^2/NDF: 2583.6/46



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.064+/-0.005 χ^2/NDF:42.8/6

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.095+/-0.005 χ^2/NDF:160.9/4

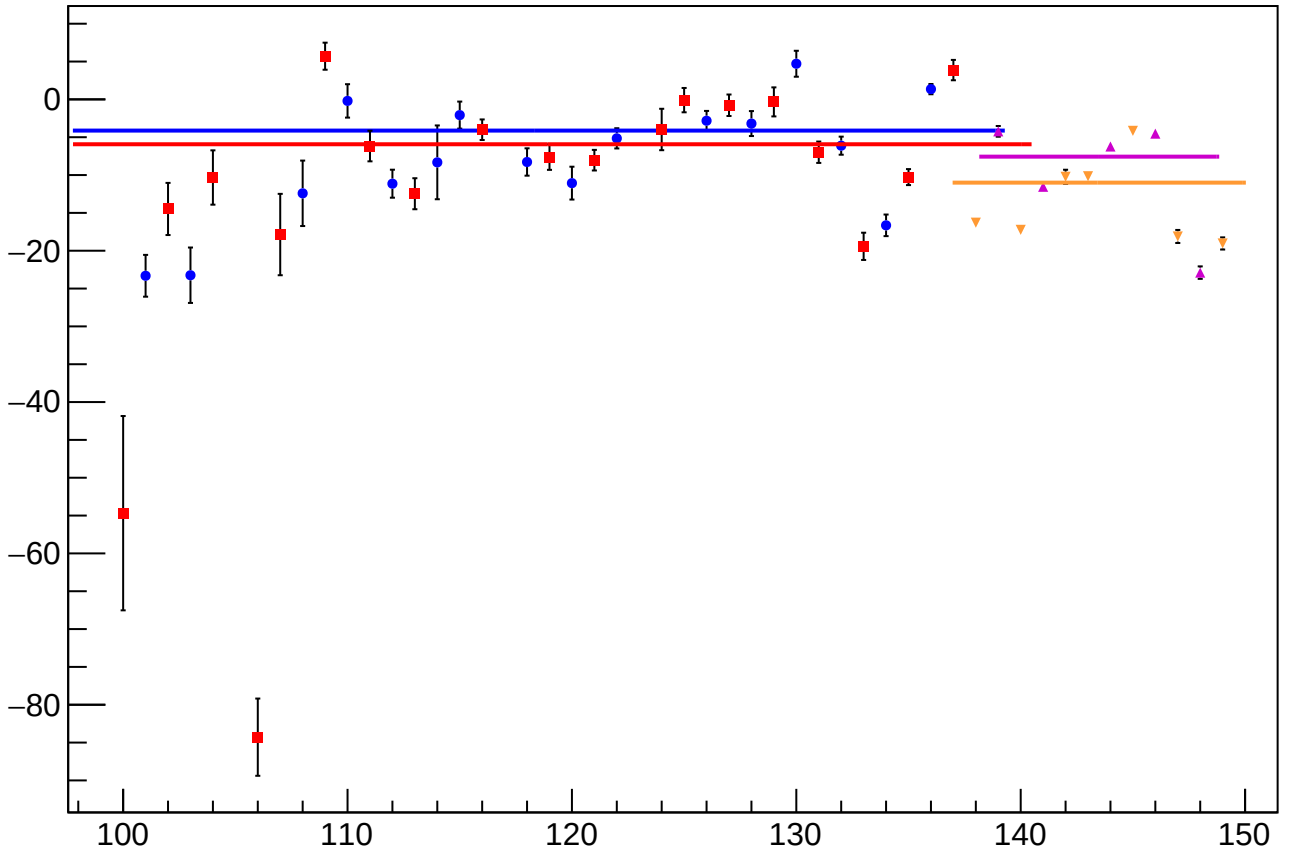
Left: -0.080+/-0.004 χ^2/NDF: 219.7/11

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.122+/-0.005 χ^2/NDF:941.1/20

Out: -0.112+/-0.005 χ^2/NDF:1235.9/25

All: -0.117+/-0.003 χ^2/NDF: 2179.1/46



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.002+/-0.228 χ^2/NDF:709.3/6

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: -9.353+/-0.164 χ^2/NDF: 1291.8/11

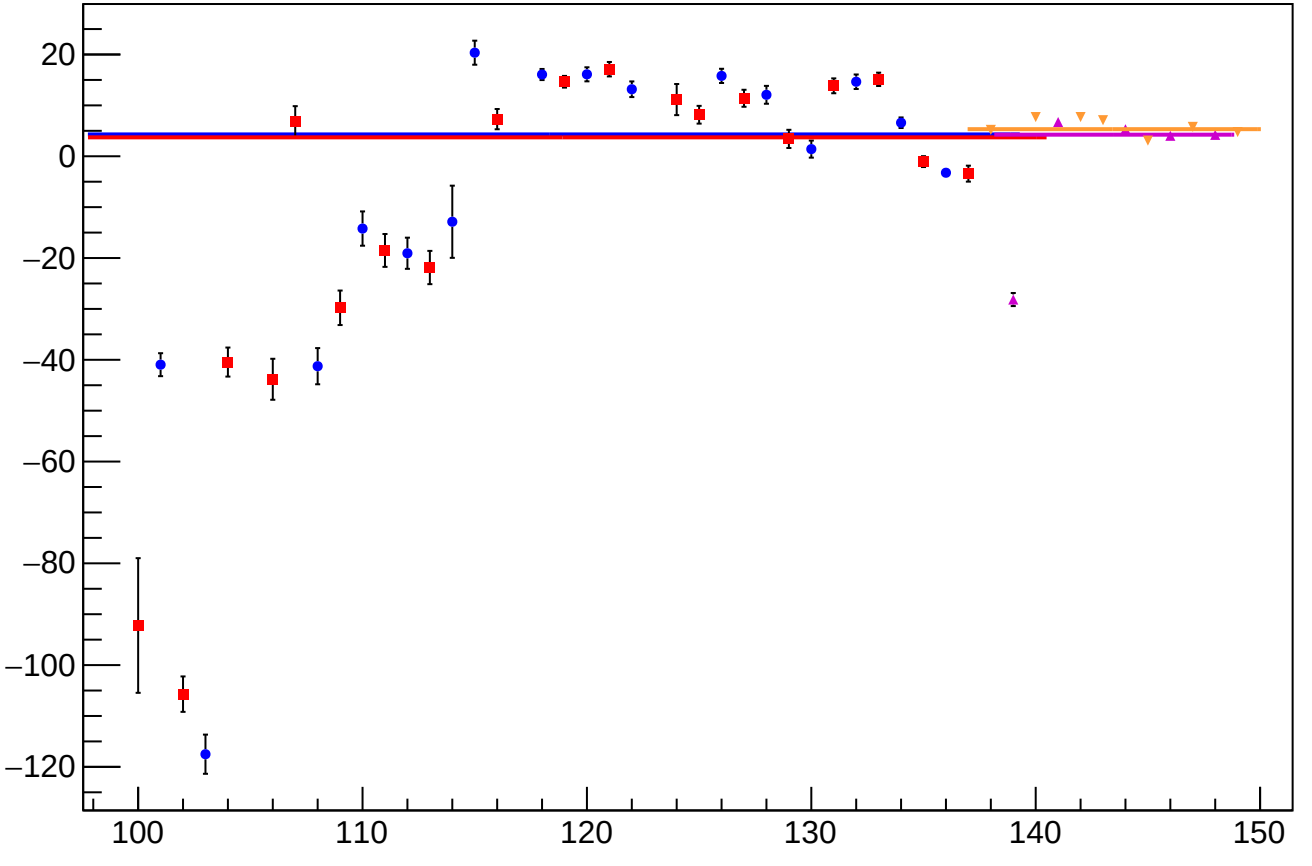
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -6.608+/-0.201 χ^2/NDF:820.1/20

Out: -9.794+/-0.199 χ^2/NDF:1309.8/25

All: -8.221+/-0.142 χ^2/NDF: 2256.5/46

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.327+/-0.167 χ^2/NDF:115.3/6

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+/-0.116 χ^2/NDF: 814.8/11

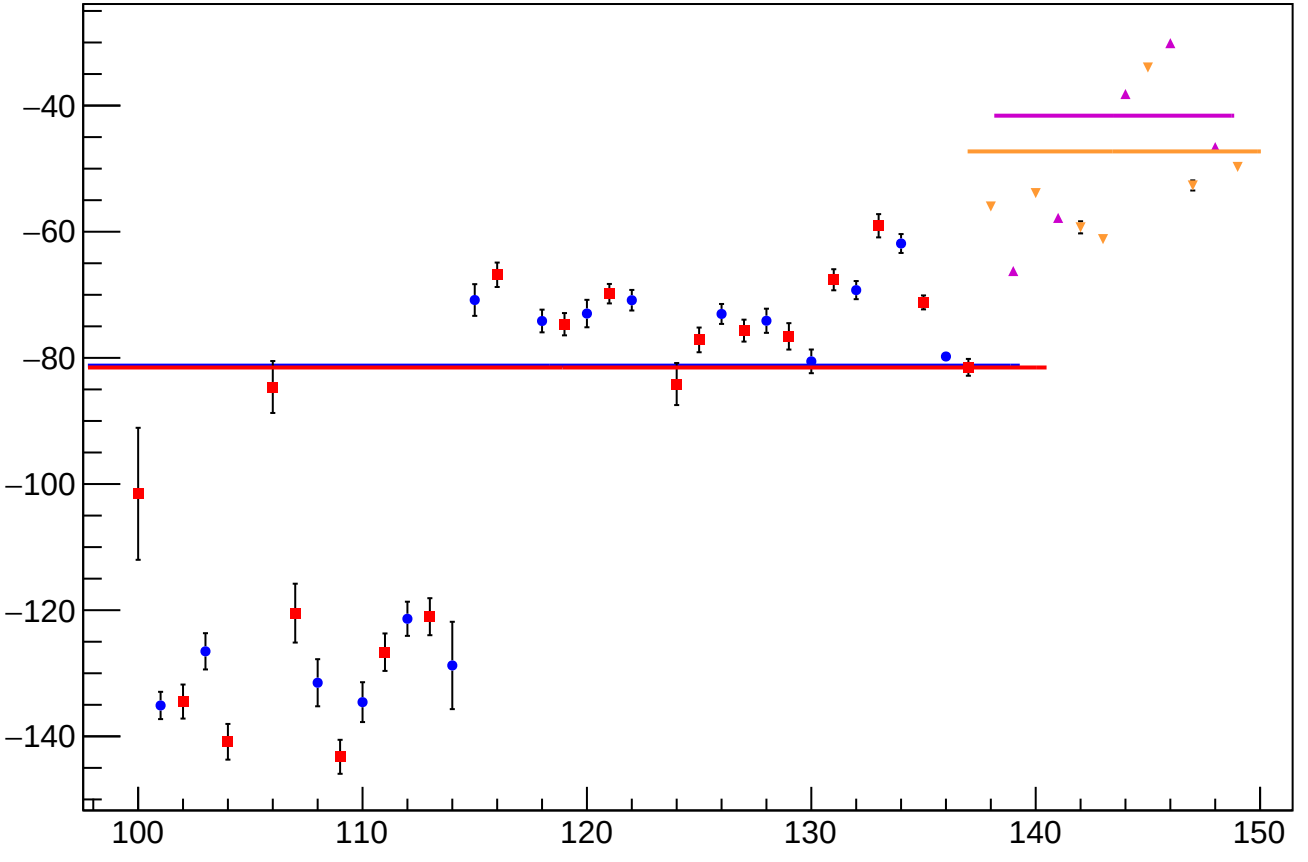
Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.250+/-0.148 χ^2/NDF:2846.7/20

Out: 5.109+/-0.155 χ^2/NDF:2135.1/25

All: 4.660+/-0.107 χ^2/NDF: 4997.8/46

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.269+/-0.232 χ^2/NDF:2153.9/6

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: -44.502+/-0.166 χ^2/NDF: 5152.2/11

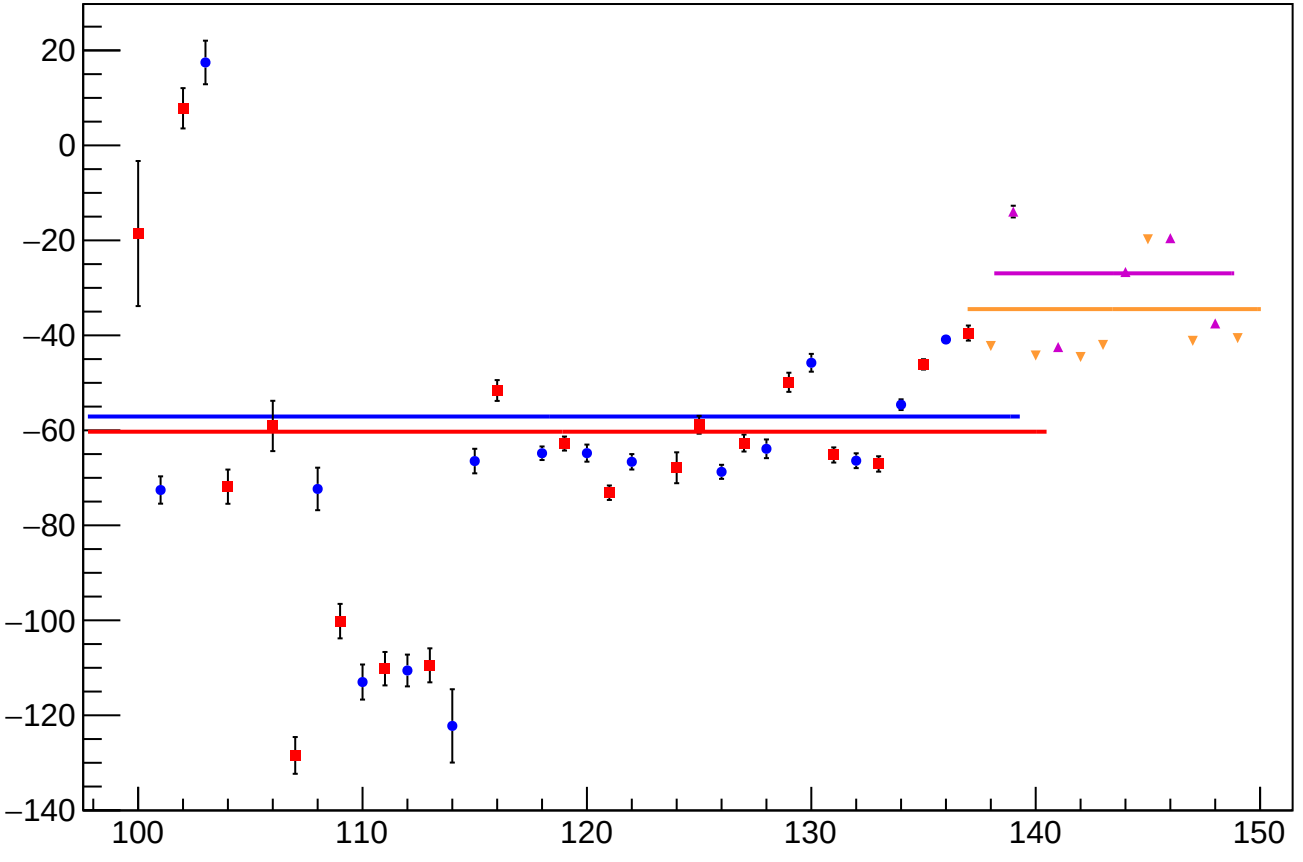
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.286+/-0.206 χ^2/NDF:11506.9/20

Out: -54.158+/-0.207 χ^2/NDF:8846.2/25

All: -52.715+/-0.146 χ^2/NDF: 20449.8/46

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -34.473+/-0.201 χ^2/NDF:2907.2/6

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -26.942+/-0.198 χ^2/NDF:1875.1/4

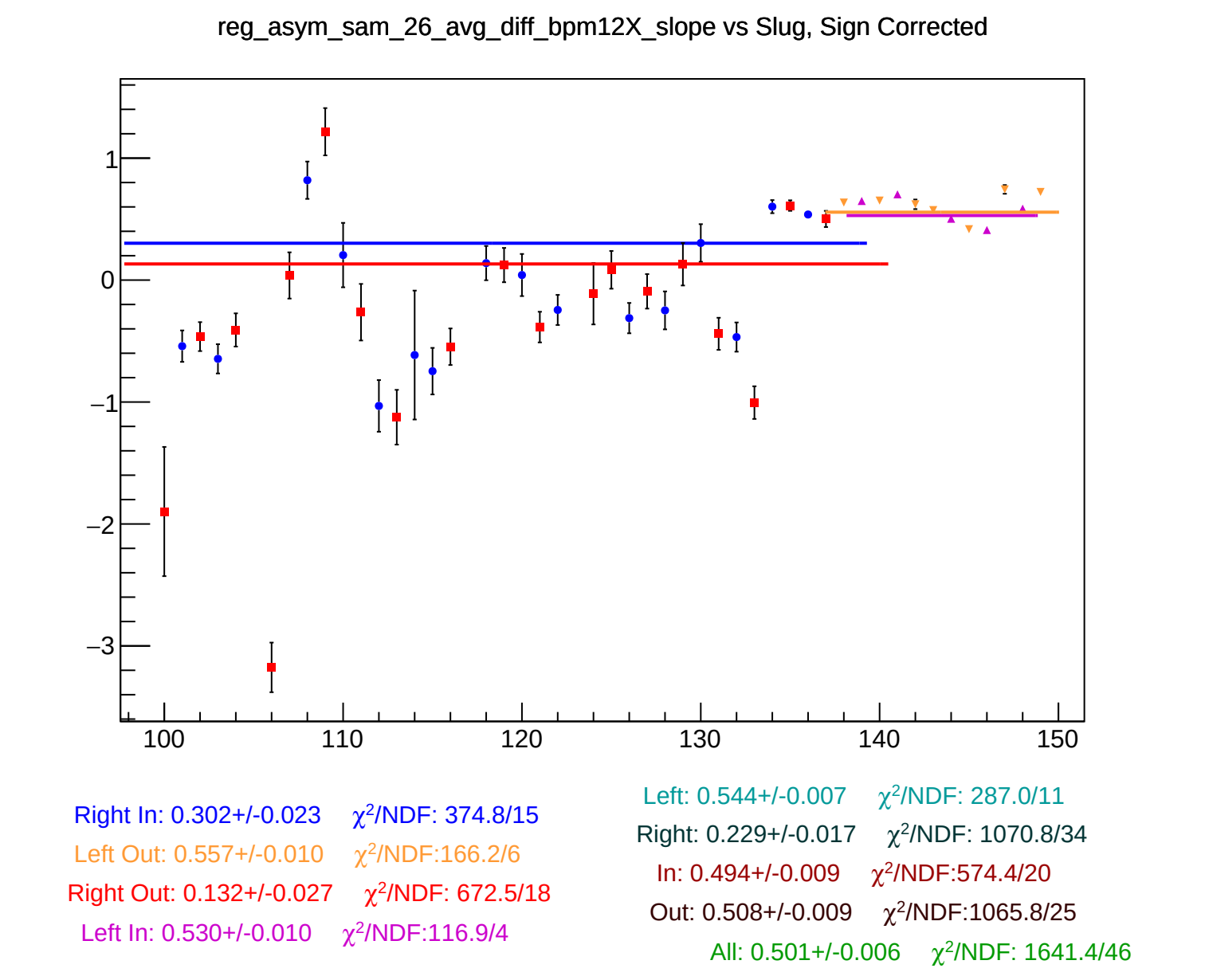
Left: -30.645+/-0.141 χ^2/NDF: 5495.5/11

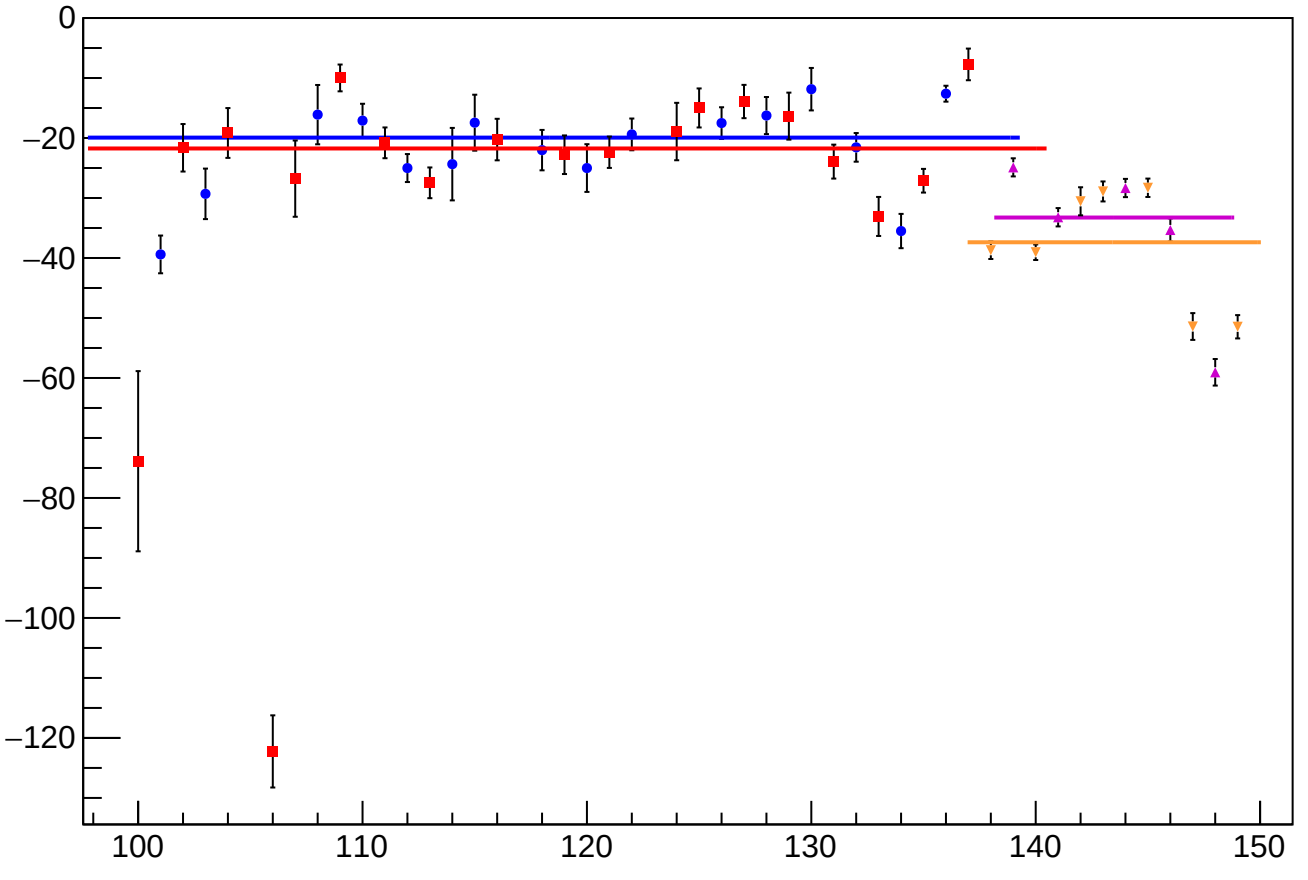
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.292+/-0.179 χ^2/NDF:7526.4/20

Out: -38.465+/-0.185 χ^2/NDF:7044.9/25

All: -35.285+/-0.129 χ^2/NDF: 15145.9/46


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.302+/-0.023 χ²/NDF: 374.8/15
Left Out: 0.557+/-0.010 χ²/NDF:166.2/6
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.530+/-0.010 χ²/NDF:116.9/4
Left: 0.544+/-0.007 χ²/NDF: 287.0/11
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.494+/-0.009 χ²/NDF:574.4/20
Out: 0.508+/-0.009 χ²/NDF:1065.8/25
All: 0.501+/-0.006 χ²/NDF: 1641.4/46



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -37.380+/-0.633 χ^2/NDF:164.0/6

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: -35.669+/-0.484 χ^2/NDF: 359.8/11

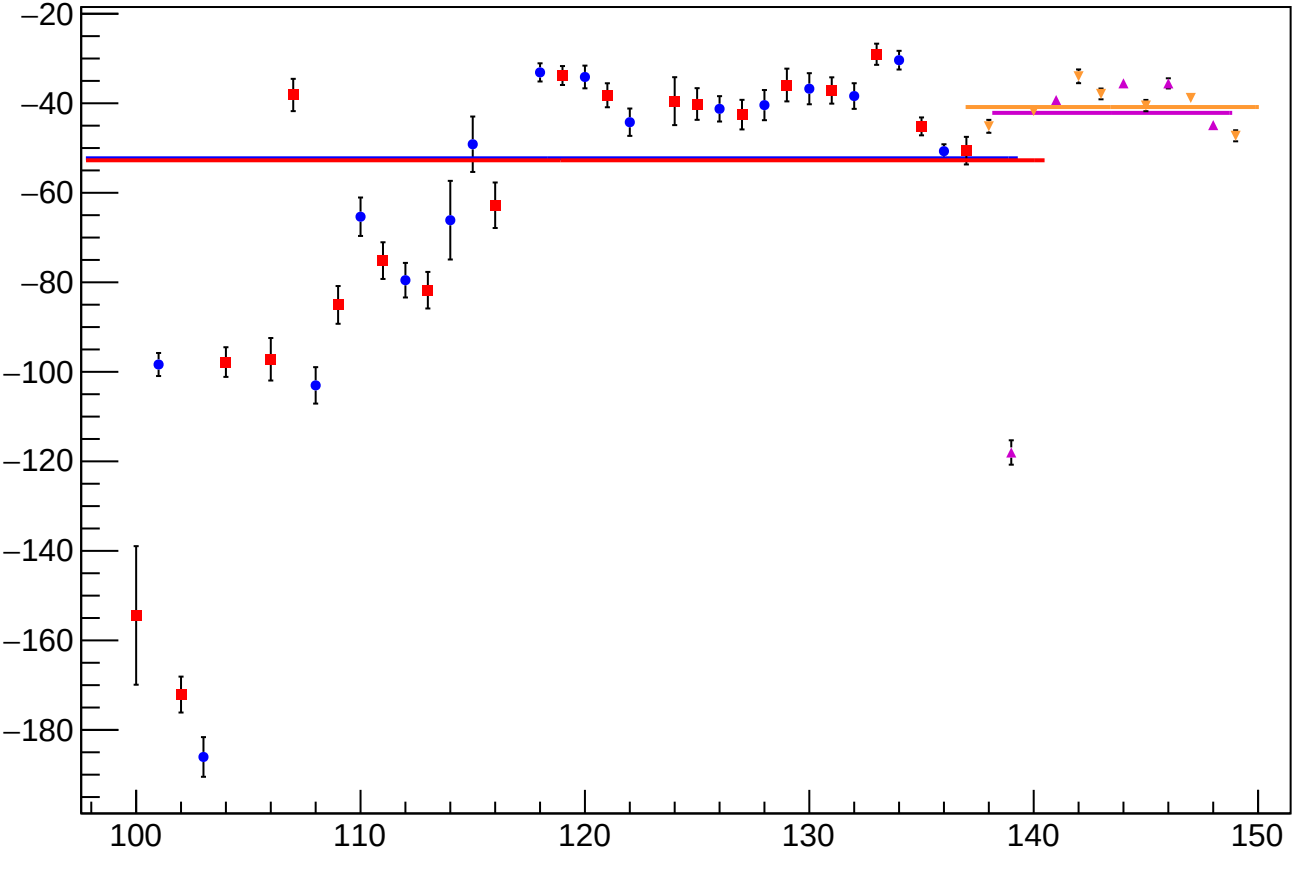
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -26.078+/-0.510 χ^2/NDF:468.3/20

Out: -30.500+/-0.473 χ^2/NDF:821.1/25

All: -28.453+/-0.347 χ^2/NDF: 1329.7/46

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.839+/-0.462 χ^2/NDF:66.4/6

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -42.143+/-0.542 χ^2/NDF:856.1/4

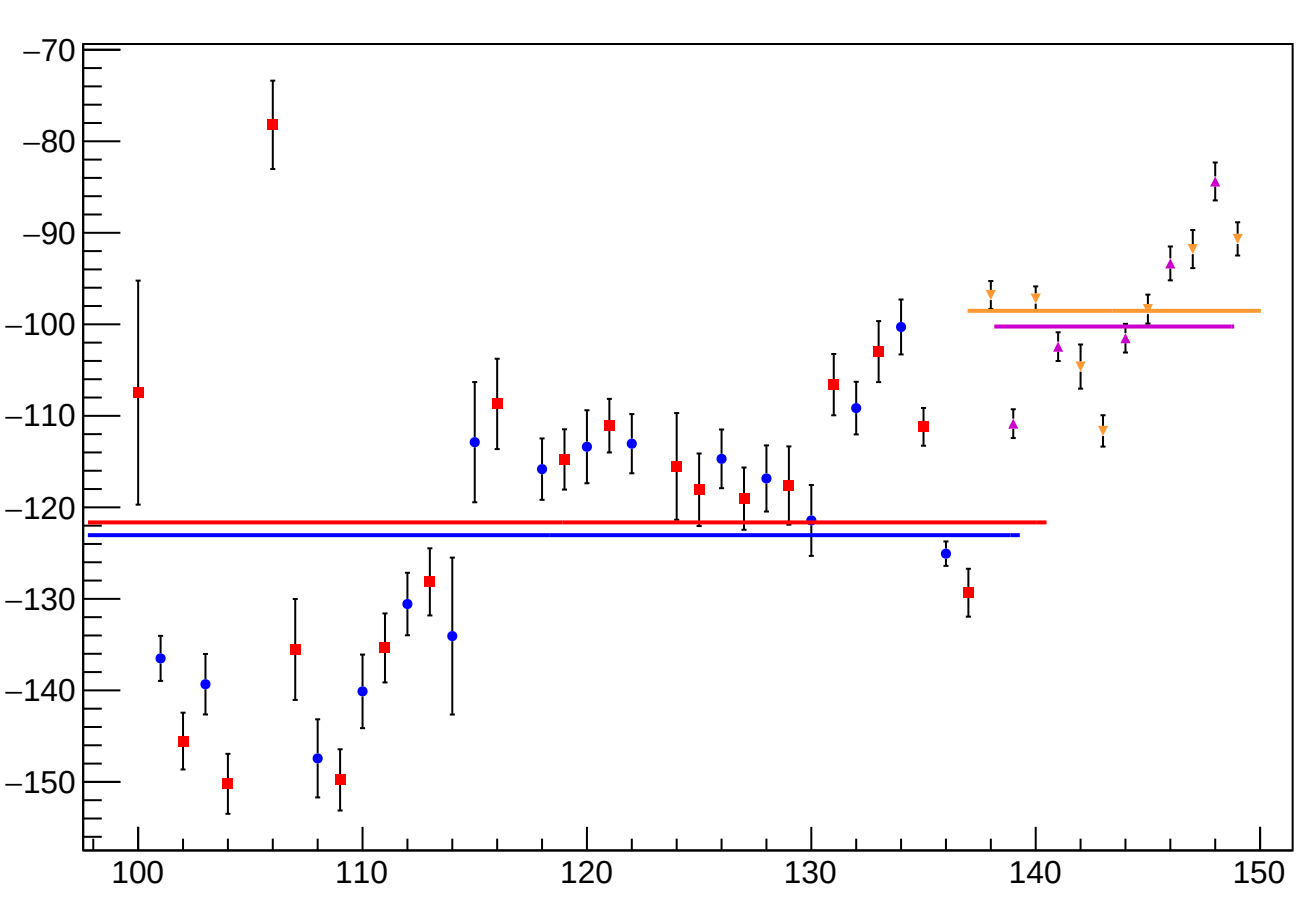
Left: -41.389+/-0.352 χ^2/NDF: 925.8/11

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -45.893+/-0.430 χ^2/NDF:2763.9/20

Out: -44.128+/-0.393 χ^2/NDF:1911.9/25

All: -44.932+/-0.290 χ^2/NDF: 4685.0/46



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.525+/-0.640 χ^2/NDF:96.6/6

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -100.240+/-0.757 χ^2/NDF:120.6/4

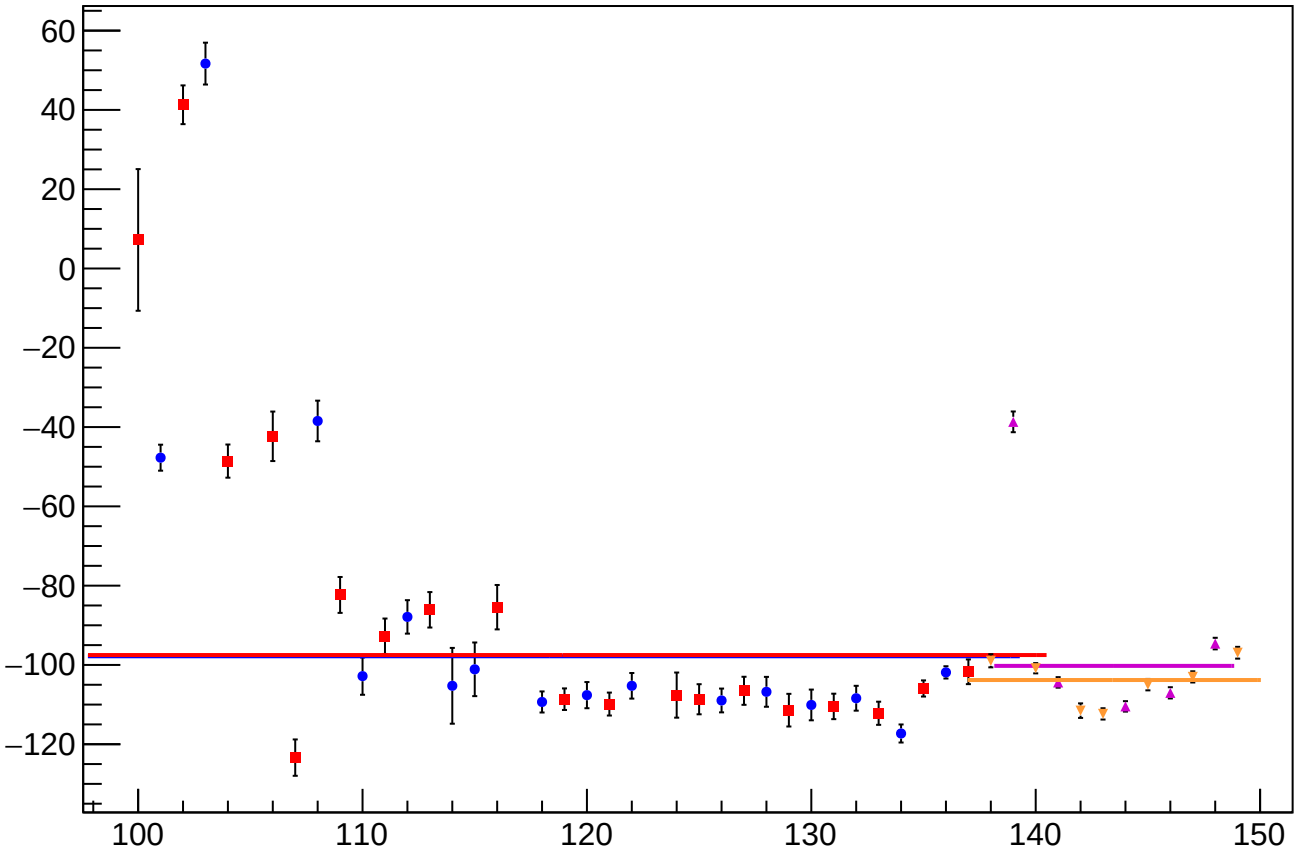
Left: -99.240+/-0.489 χ^2/NDF: 220.2/11

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -111.749+/-0.533 χ^2/NDF:805.0/20

Out: -107.532+/-0.500 χ^2/NDF:1029.5/25

All: -109.507+/-0.365 χ^2/NDF: 1867.8/46



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -103.804+/-0.560 χ^2/NDF:89.9/6

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -100.236+/-0.666 χ^2/NDF:661.8/4

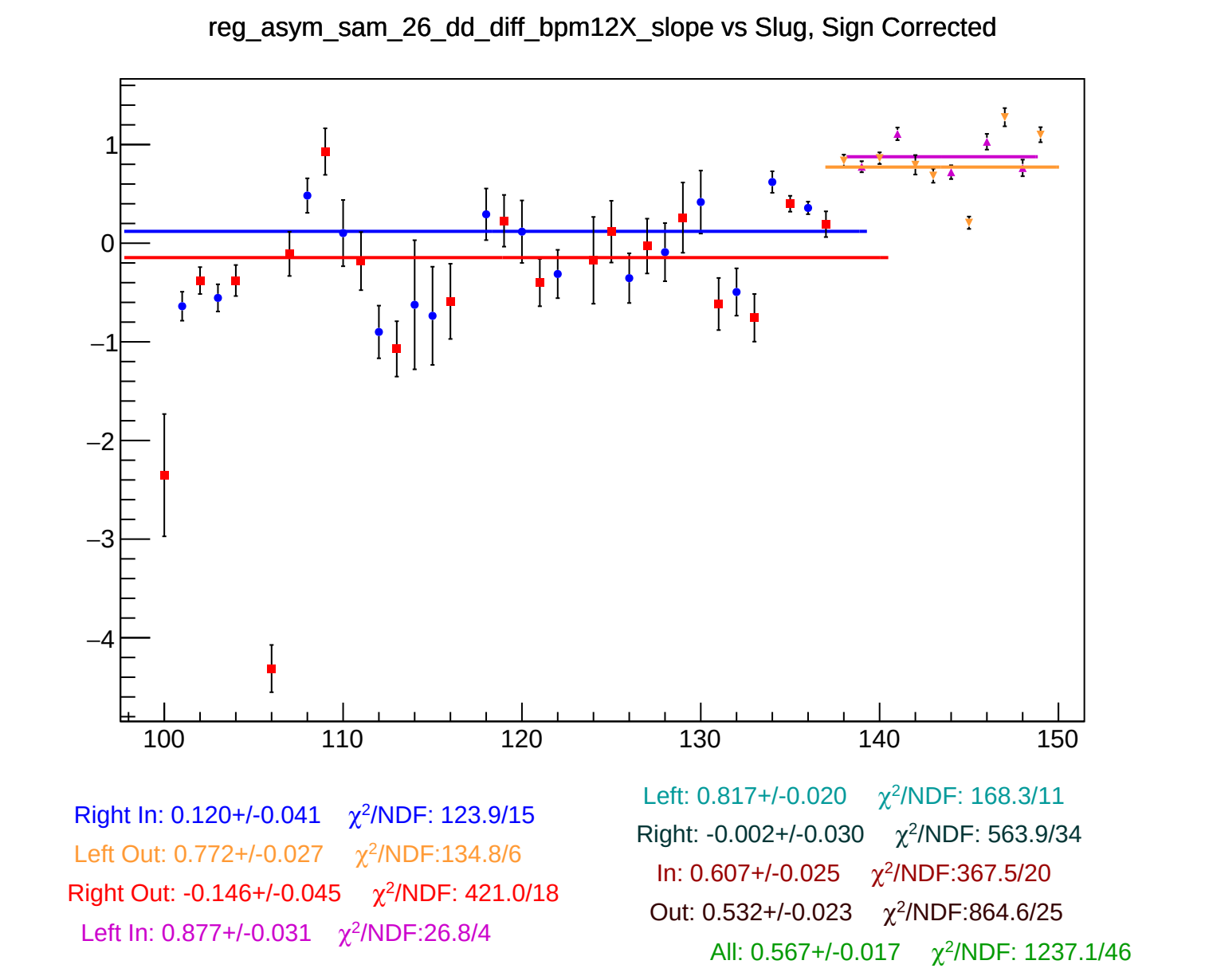
Left: -102.326+/-0.429 χ^2/NDF: 768.4/11

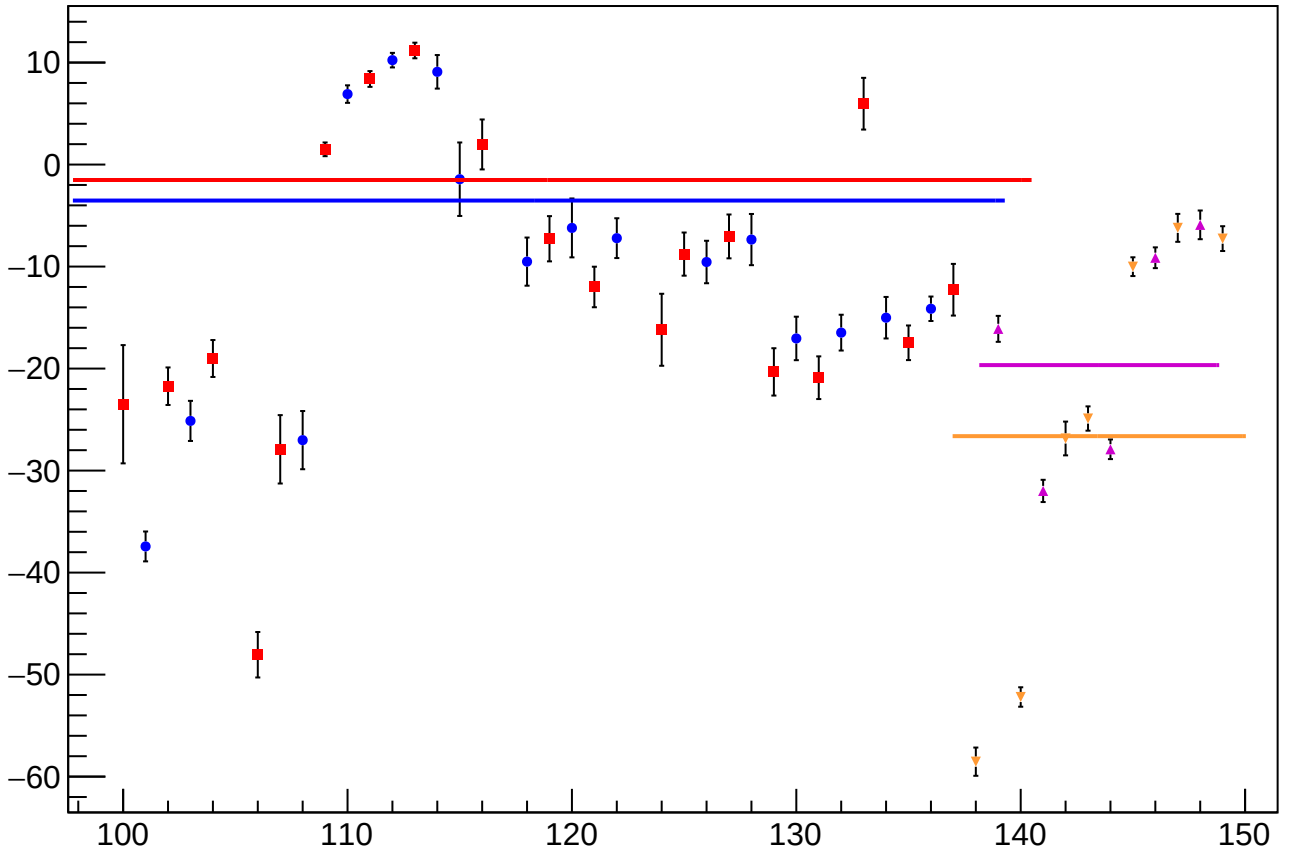
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -99.234+/-0.510 χ^2/NDF:1998.1/20

Out: -101.873+/-0.467 χ^2/NDF:1365.1/25

All: -100.671+/-0.344 χ^2/NDF: 3377.7/46


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: 0.772+/-0.027 χ²/NDF:134.8/6
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 0.877+/-0.031 χ²/NDF:26.8/4
Left: 0.817+/-0.020 χ²/NDF: 168.3/11
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.607+/-0.025 χ²/NDF:367.5/20
Out: 0.532+/-0.023 χ²/NDF:864.6/25
All: 0.567+/-0.017 χ²/NDF: 1237.1/46



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -26.625+/-0.444 χ^2/NDF:2054.7/6

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -19.659+/-0.500 χ^2/NDF:411.4/4

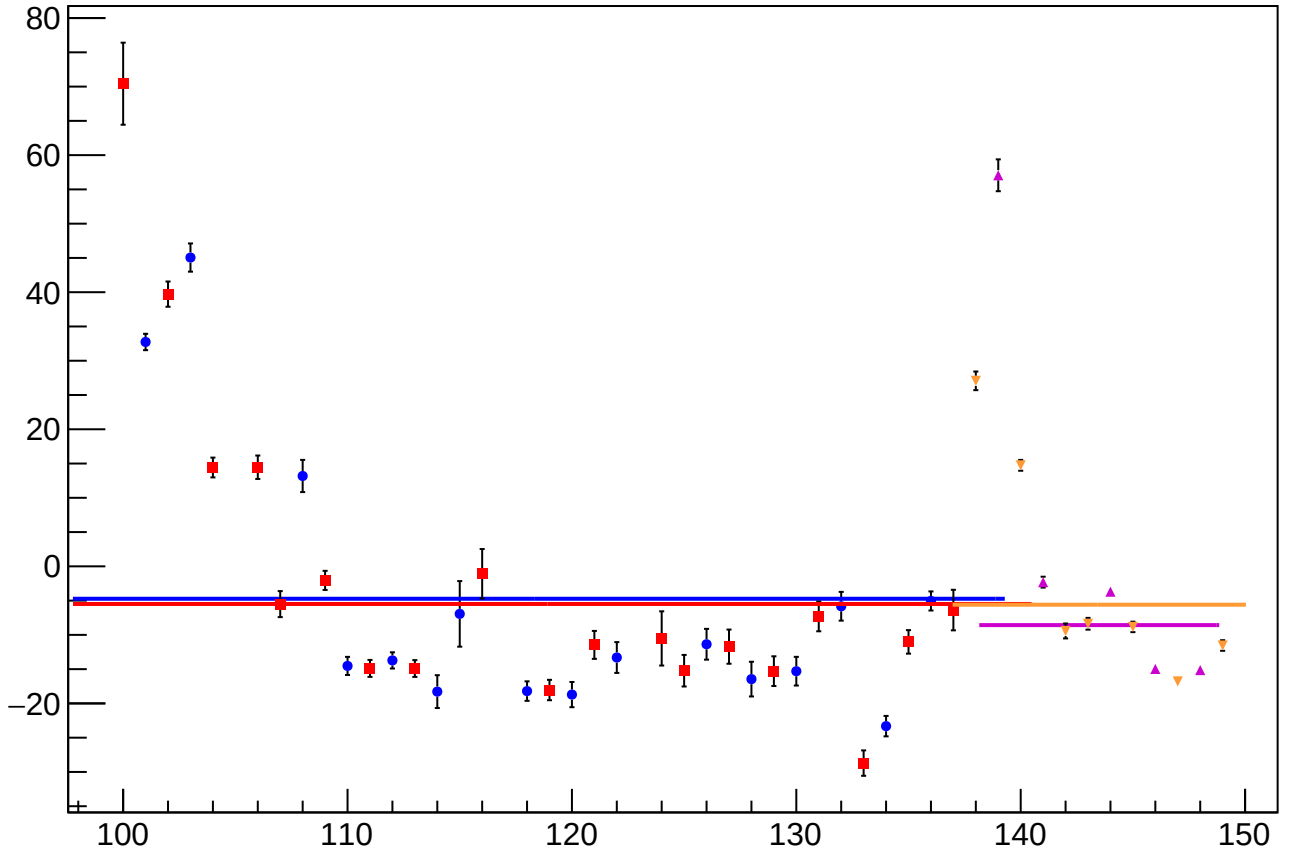
Left: -23.555+/-0.332 χ^2/NDF: 2574.8/11

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.374+/-0.301 χ^2/NDF:2605.0/20

Out: -10.754+/-0.269 χ^2/NDF:5605.4/25

All: -10.141+/-0.201 χ^2/NDF: 8222.0/46



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -5.599+/-0.313 χ^2/NDF:1651.4/6

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.574+/-0.340 χ^2/NDF:1111.5/4

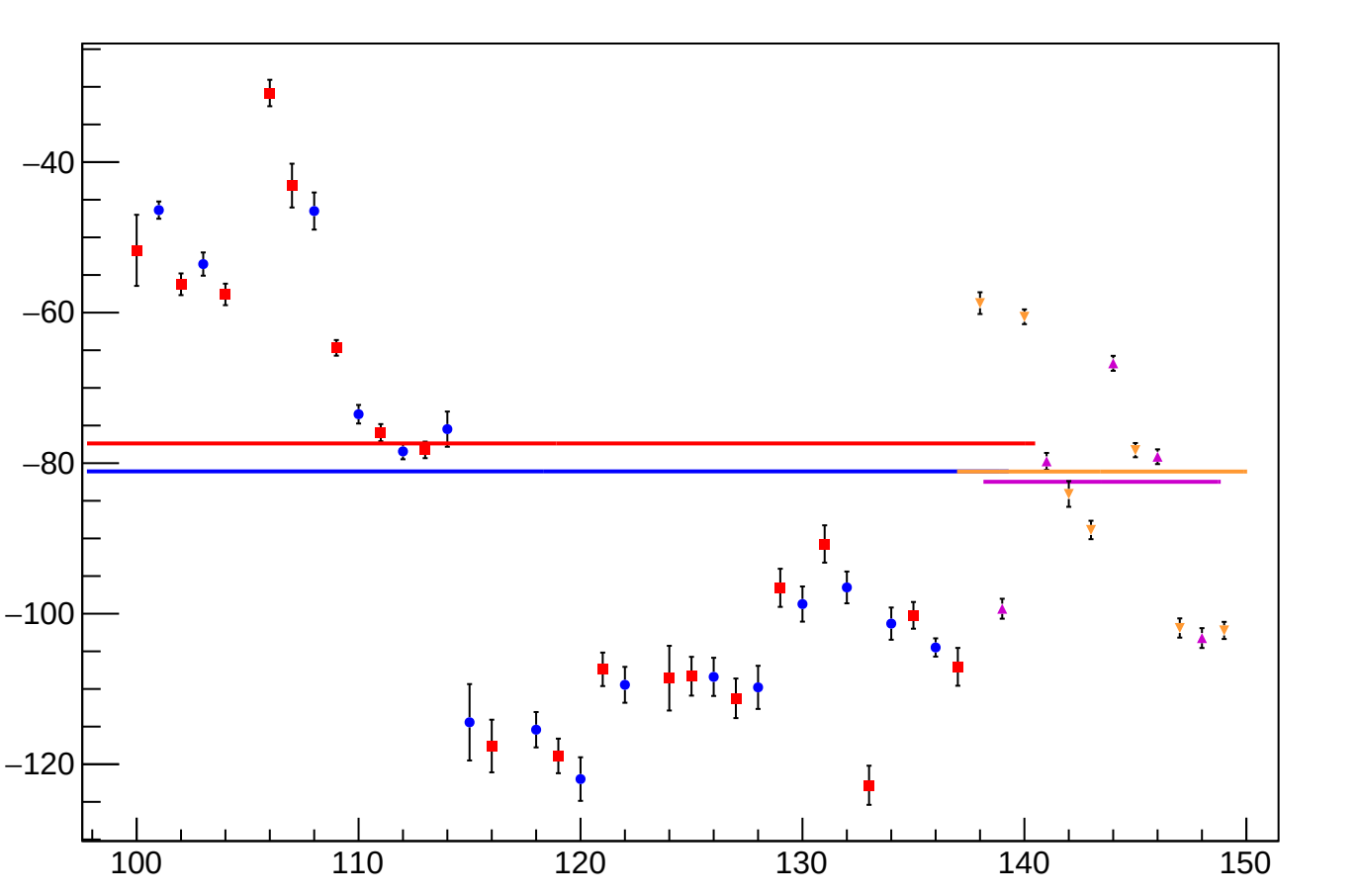
Left: -6.962+/-0.230 χ^2/NDF: 2804.3/11

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.097+/-0.267 χ^2/NDF:3308.5/20

Out: -5.561+/-0.251 χ^2/NDF:3160.0/25

All: -6.283+/-0.183 χ^2/NDF: 6486.1/46



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -81.113+/-0.446 χ^2/NDF:1341.7/6

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: -81.716+/-0.333 χ^2/NDF: 2025.4/11

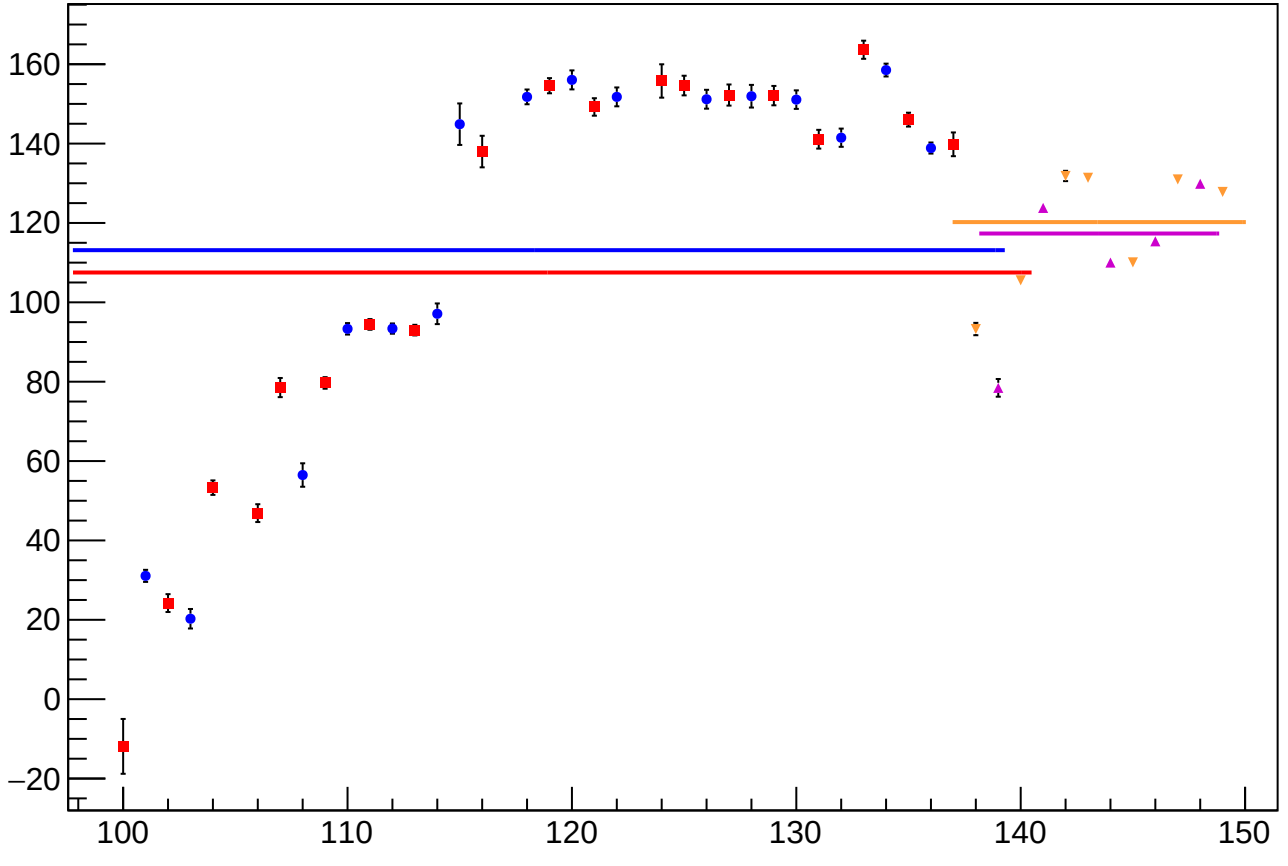
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -81.693+/-0.330 χ^2/NDF:3554.1/20

Out: -79.122+/-0.304 χ^2/NDF:4508.8/25

All: -80.305+/-0.224 χ^2/NDF: 8095.8/46

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: 120.219+/-0.381 χ^2/NDF:1094.4/6

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 117.339+/-0.421 χ^2/NDF:615.8/4

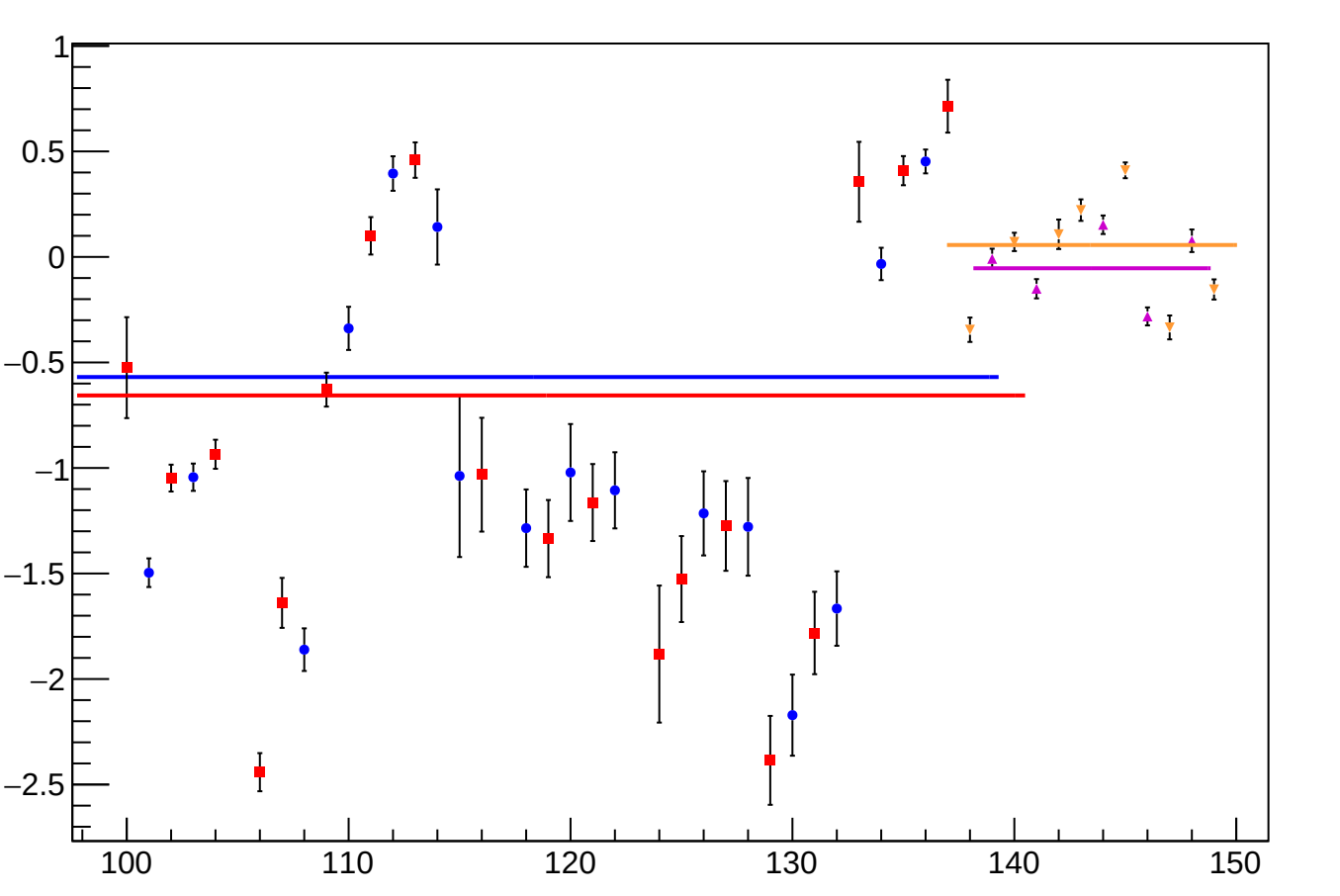
Left: 118.921+/-0.283 χ^2/NDF: 1736.0/11

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 115.552+/-0.319 χ^2/NDF:8862.2/20

Out: 115.295+/-0.298 χ^2/NDF:9068.5/25

All: 115.415+/-0.218 χ^2/NDF: 17931.1/46



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.057+/-0.019 χ^2/NDF:216.1/6

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.054+/-0.021 χ^2/NDF:62.0/4

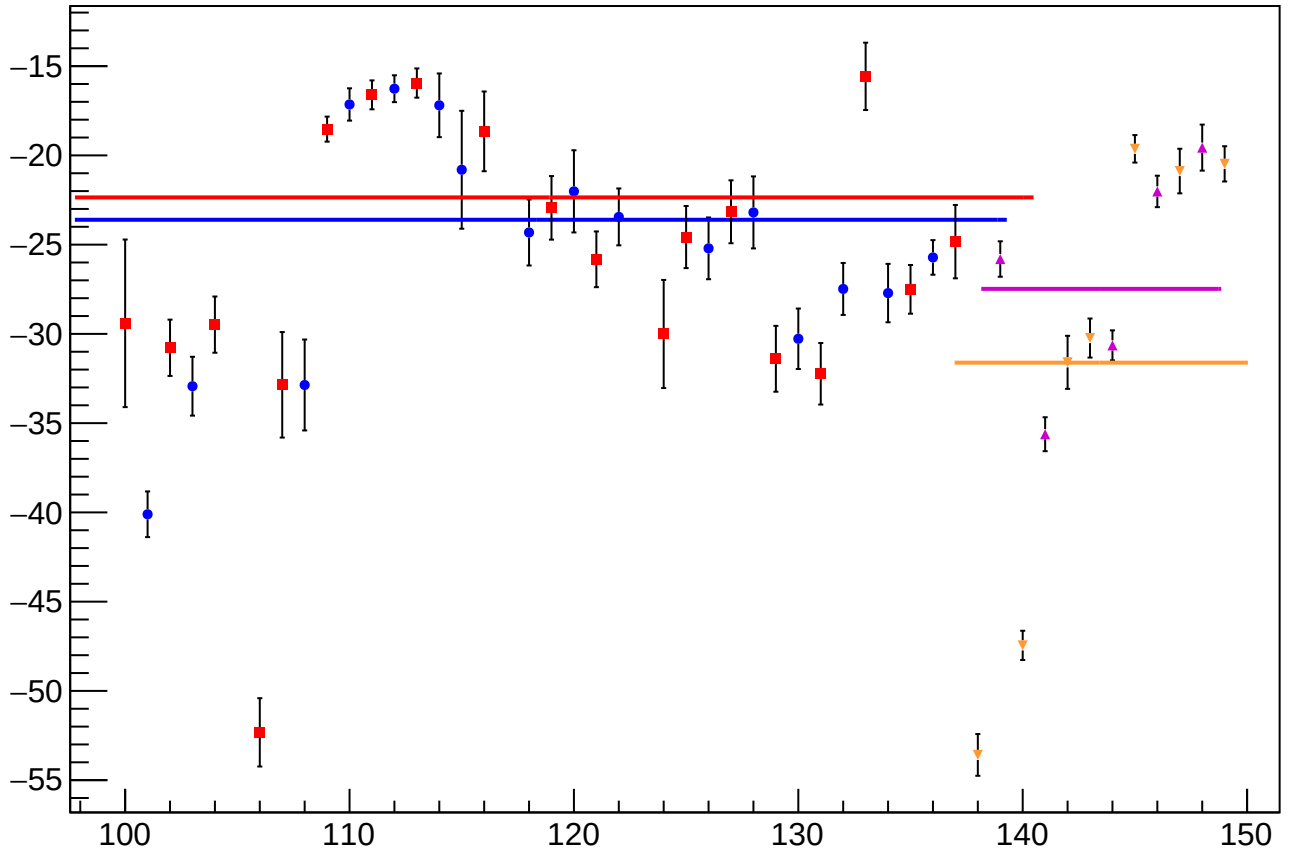
Left: 0.007+/-0.014 χ^2/NDF: 293.9/11

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.256+/-0.016 χ^2/NDF:1402.4/20

Out: -0.195+/-0.015 χ^2/NDF:2048.9/25

All: -0.223+/-0.011 χ^2/NDF: 3458.8/46



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.611+/-0.382 χ^2/NDF:1171.6/6

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -27.478+/-0.429 χ^2/NDF:166.4/4

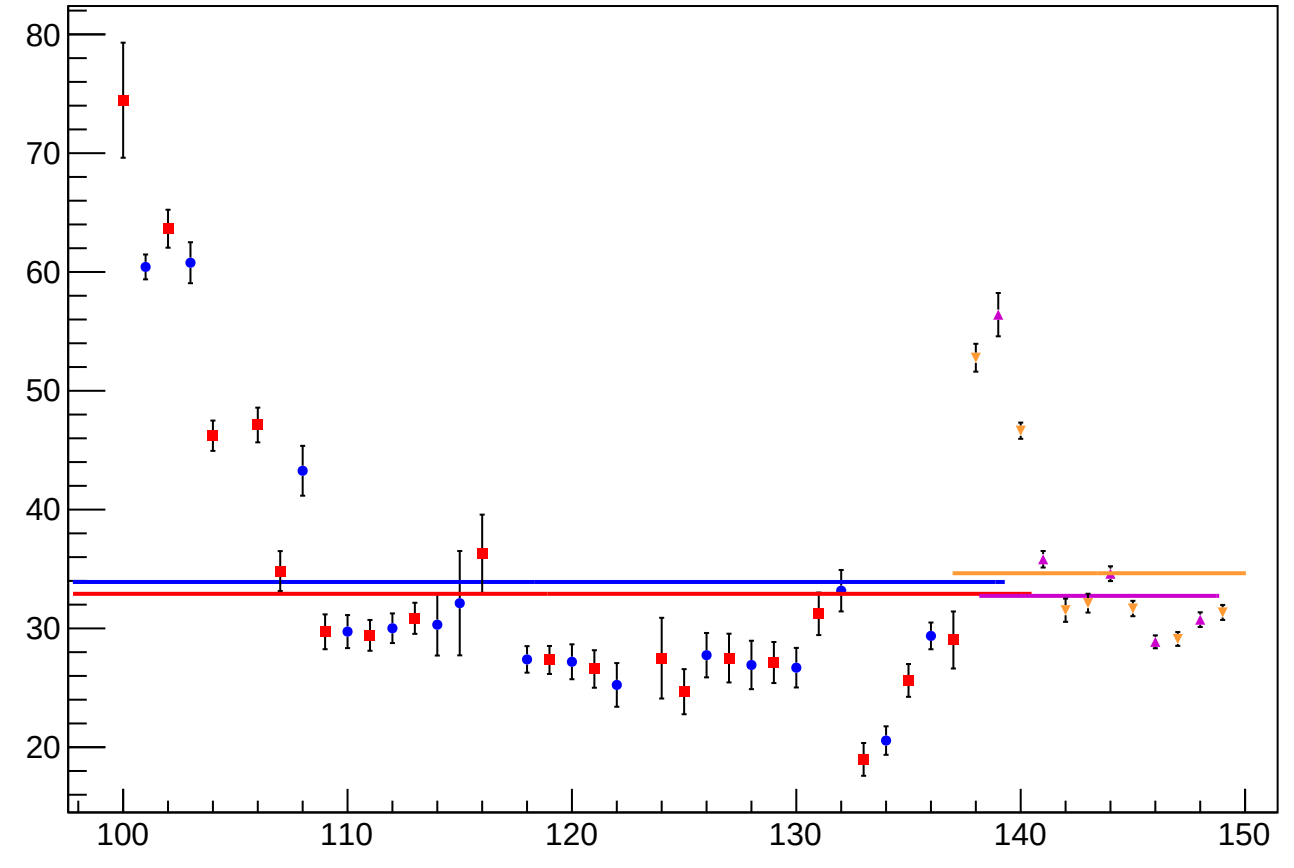
Left: -29.786+/-0.285 χ^2/NDF: 1389.8/11

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.144+/-0.270 χ^2/NDF:621.9/20

Out: -26.200+/-0.246 χ^2/NDF:2067.2/25

All: -25.722+/-0.182 χ^2/NDF: 2697.4/46



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 34.643+/-0.274 χ^2/NDF:707.2/6

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.741+/-0.303 χ^2/NDF:258.3/4

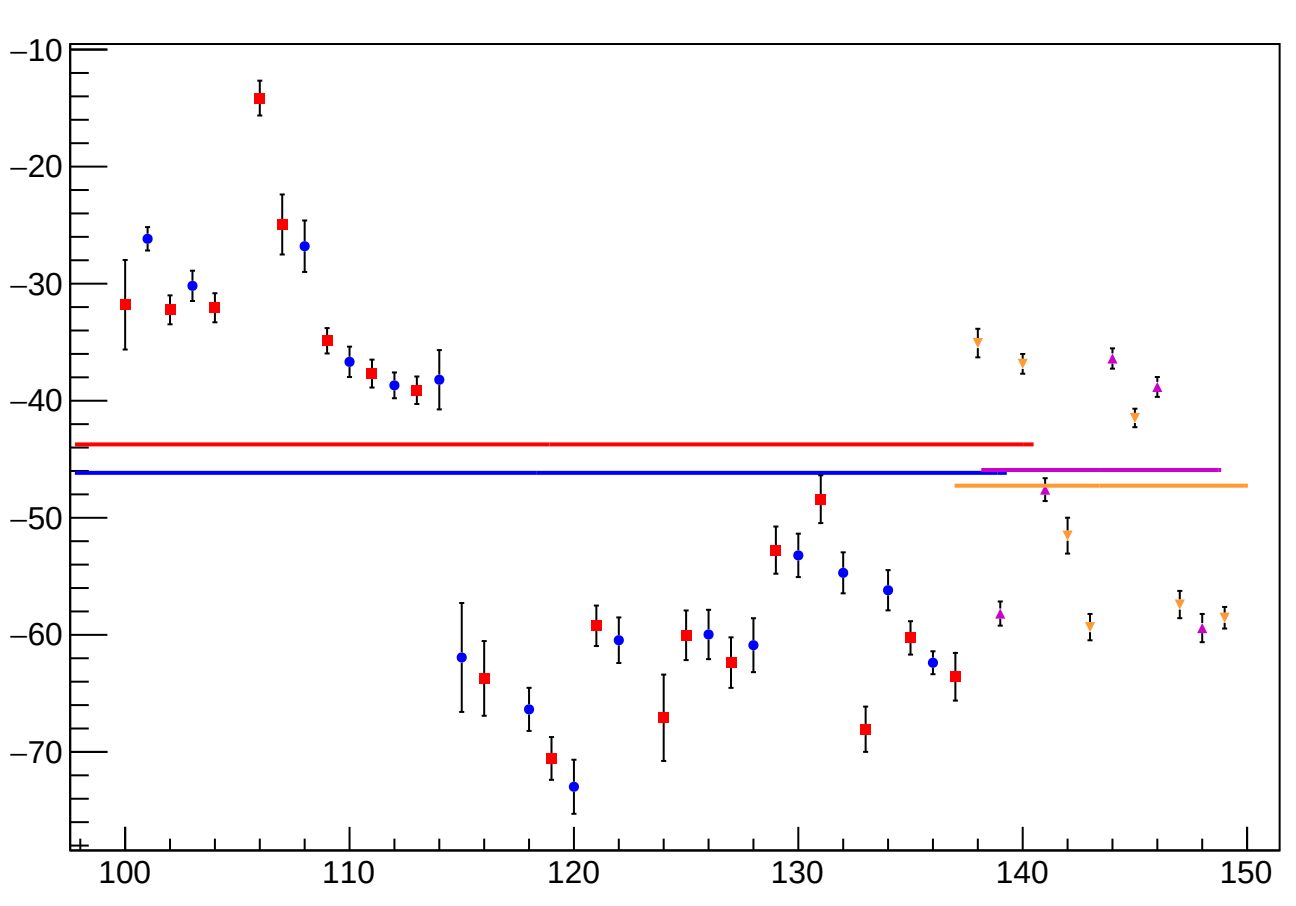
Left: 33.788+/-0.203 χ^2/NDF: 987.3/11

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.201+/-0.236 χ^2/NDF:1448.6/20

Out: 34.037+/-0.220 χ^2/NDF:1596.2/25

All: 33.647+/-0.161 χ^2/NDF: 3051.5/46



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.256+/-0.383 χ^2/NDF:654.7/6

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -45.916+/-0.430 χ^2/NDF:460.2/4

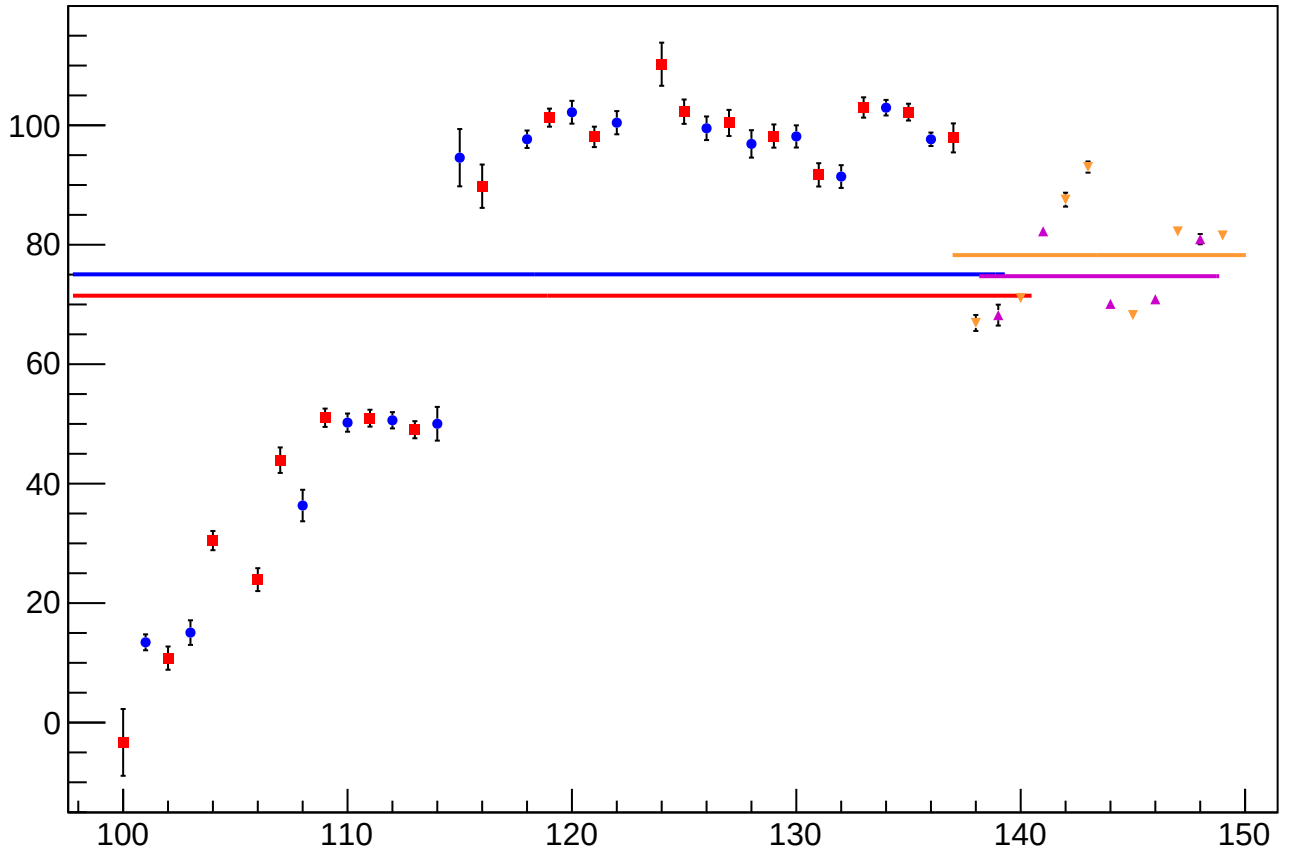
Left: -46.664+/-0.286 χ^2/NDF: 1120.3/11

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -46.050+/-0.289 χ^2/NDF:1950.1/20

Out: -45.471+/-0.269 χ^2/NDF:2360.9/25

All: -45.740+/-0.197 χ^2/NDF: 4313.1/46



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 78.266+/-0.331 χ^2/NDF:690.6/6

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 74.733+/-0.371 χ^2/NDF:223.0/4

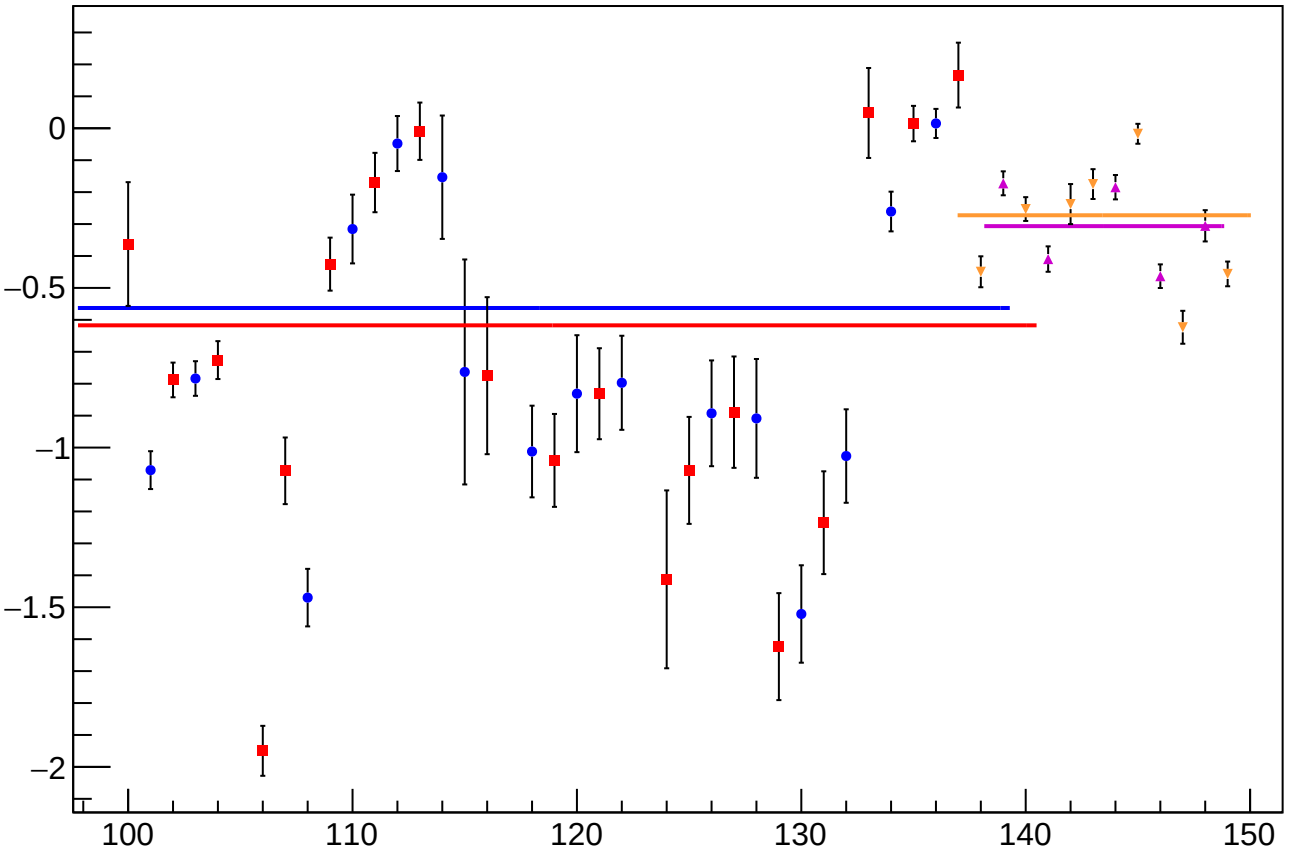
Left: 76.697+/-0.247 χ^2/NDF: 964.0/11

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.866+/-0.280 χ^2/NDF:6051.6/20

Out: 75.700+/-0.262 χ^2/NDF:6477.6/25

All: 75.311+/-0.191 χ^2/NDF: 12533.9/46



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.272+/-0.016 χ^2/NDF:154.0/6

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: -0.288+/-0.012 χ^2/NDF: 203.7/11

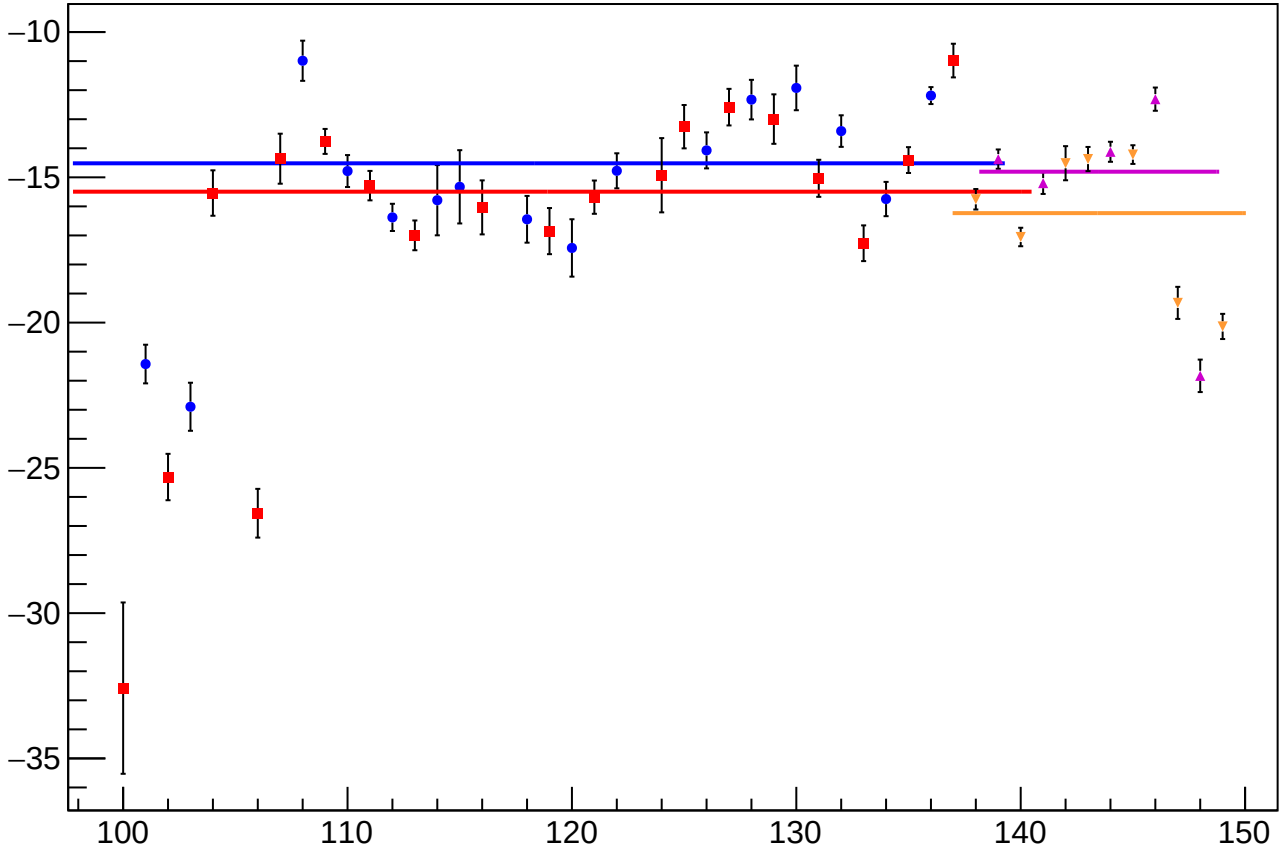
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.406+/-0.014 χ^2/NDF:621.9/20

Out: -0.390+/-0.013 χ^2/NDF:1003.1/25

All: -0.398+/-0.009 χ^2/NDF: 1625.7/46

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: -16.232+/-0.149 χ^2/NDF:188.7/6

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.806+/-0.171 χ^2/NDF:203.8/4

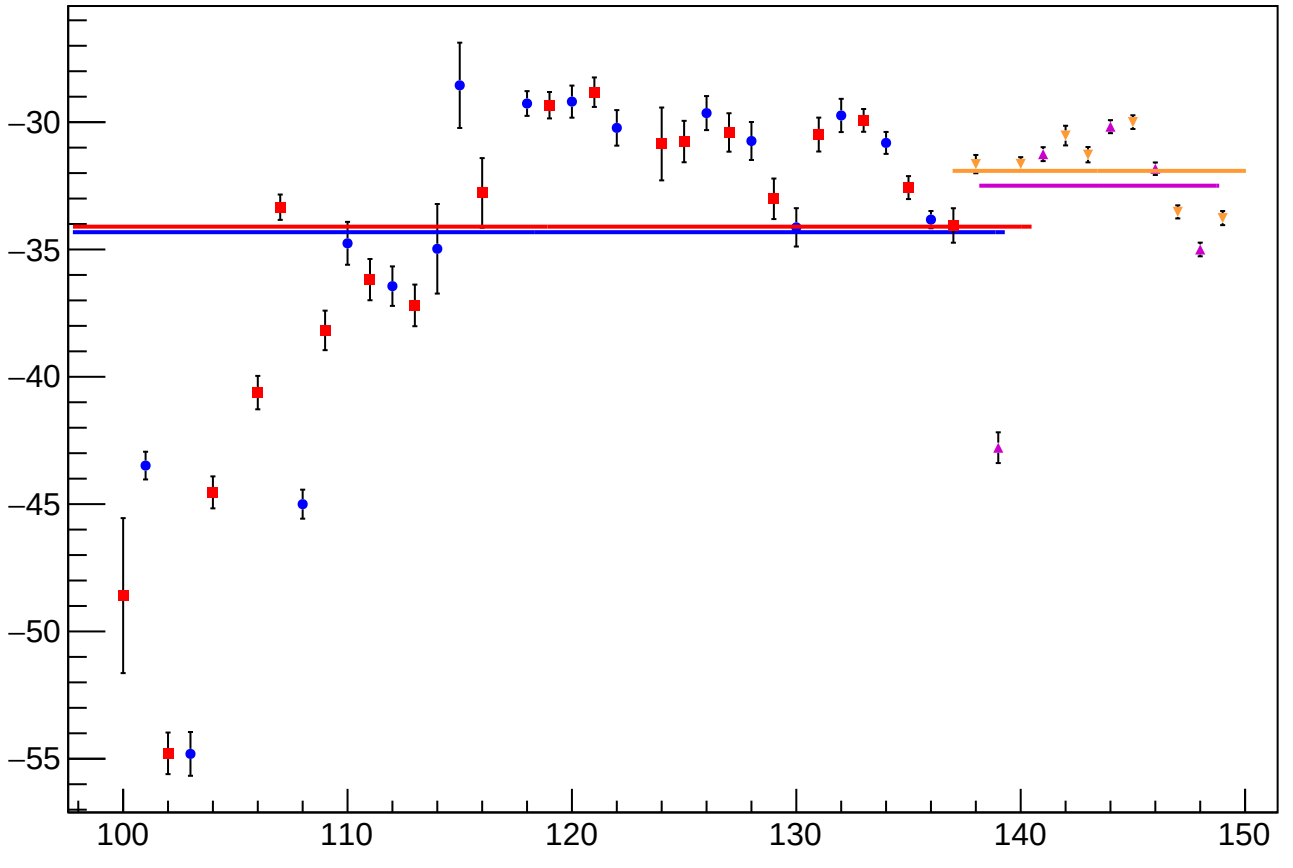
Left: -15.617+/-0.113 χ^2/NDF: 431.9/11

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.642+/-0.113 χ^2/NDF:568.8/20

Out: -15.865+/-0.106 χ^2/NDF:704.7/25

All: -15.292+/-0.077 χ^2/NDF: 1336.0/46



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.912+/-0.111 χ^2/NDF:153.5/6

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -32.495+/-0.127 χ^2/NDF:486.5/4

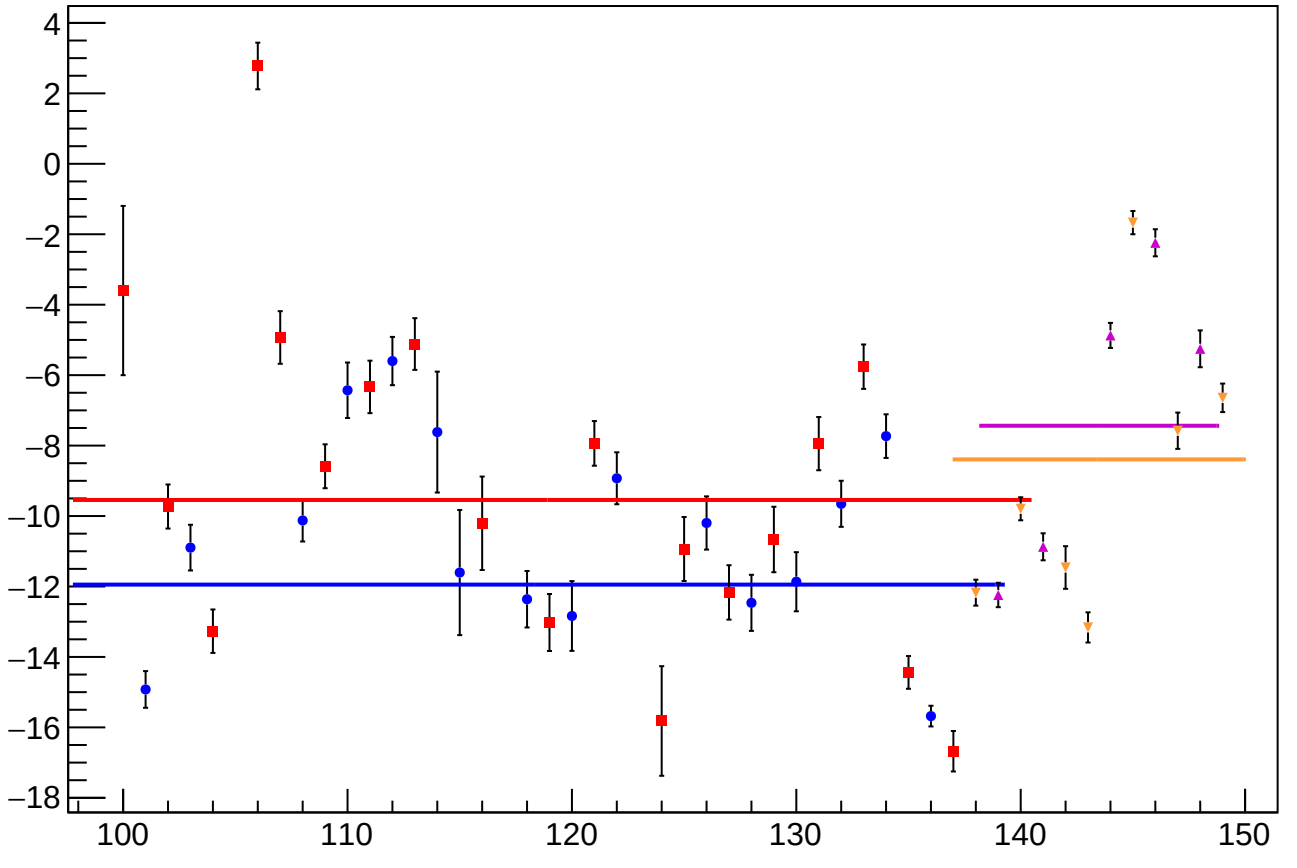
Left: -32.163+/-0.084 χ^2/NDF: 652.0/11

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -33.241+/-0.098 χ^2/NDF:2191.0/20

Out: -32.658+/-0.090 χ^2/NDF:1721.7/25

All: -32.924+/-0.066 χ^2/NDF: 3931.9/46



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.392+/-0.151 χ^2/NDF:709.8/6

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: -7.979+/-0.114 χ^2/NDF: 1251.8/11

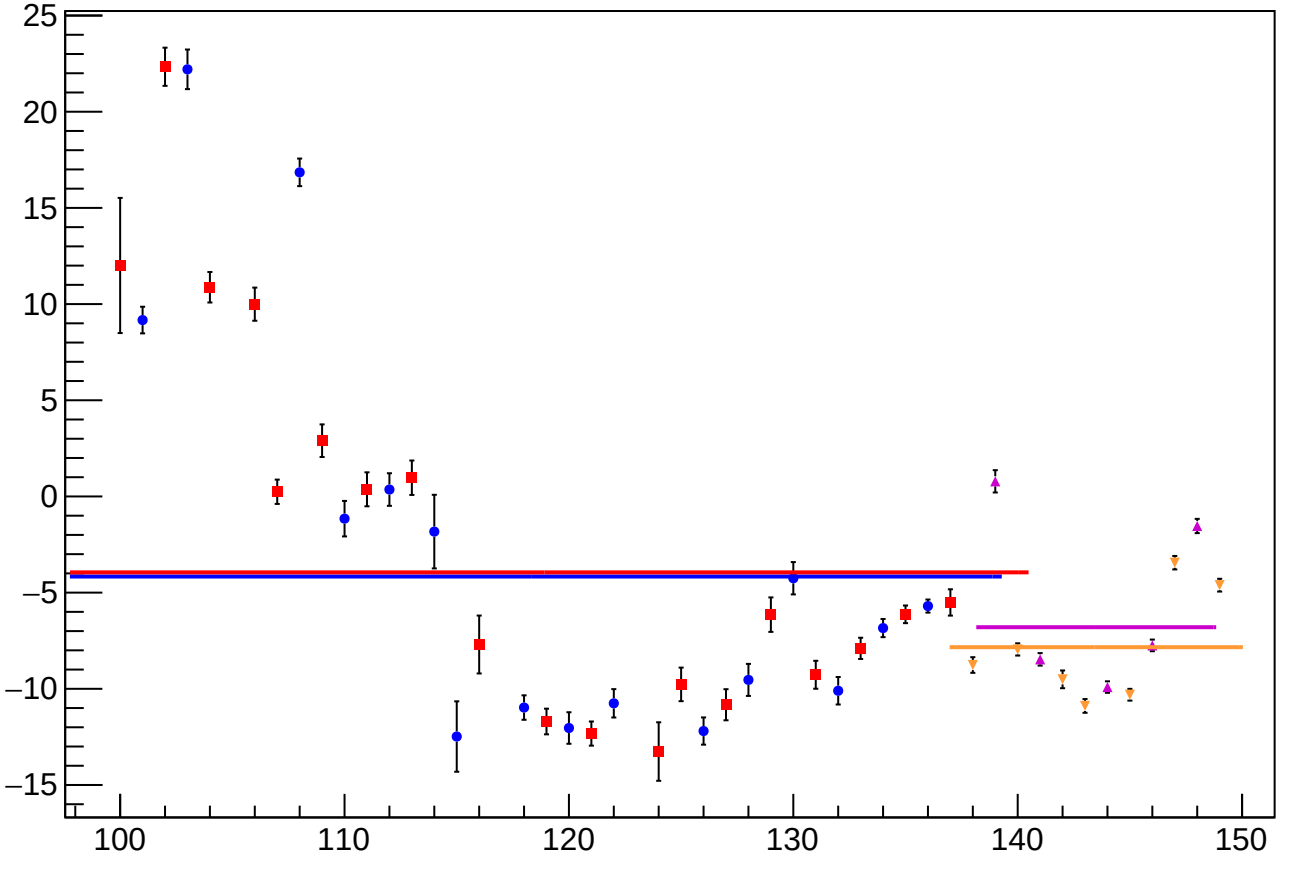
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.864+/-0.117 χ^2/NDF:1321.0/20

Out: -8.915+/-0.111 χ^2/NDF:1583.4/25

All: -9.364+/-0.081 χ^2/NDF: 2938.7/46

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: -7.836+/-0.133 χ^2/NDF:407.8/6

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.798+/-0.155 χ^2/NDF:517.1/4

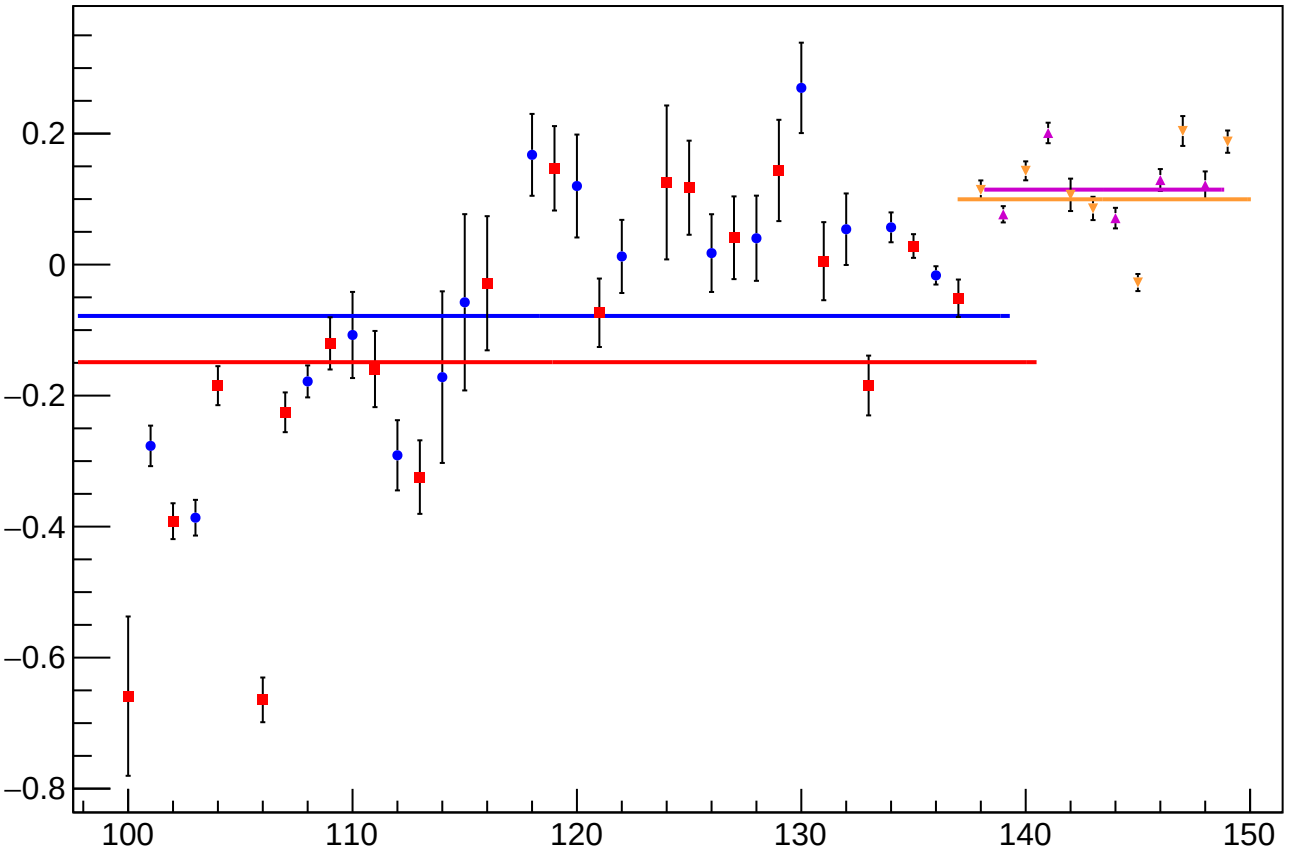
Left: -7.394+/-0.101 χ^2/NDF: 950.7/11

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -5.619+/-0.115 χ^2/NDF:3171.8/20

Out: -6.419+/-0.106 χ^2/NDF:2828.2/25

All: -6.050+/-0.078 χ^2/NDF: 6026.2/46



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.100+/-0.006 χ^2/NDF:153.4/6

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.114+/-0.007 χ^2/NDF:48.3/4

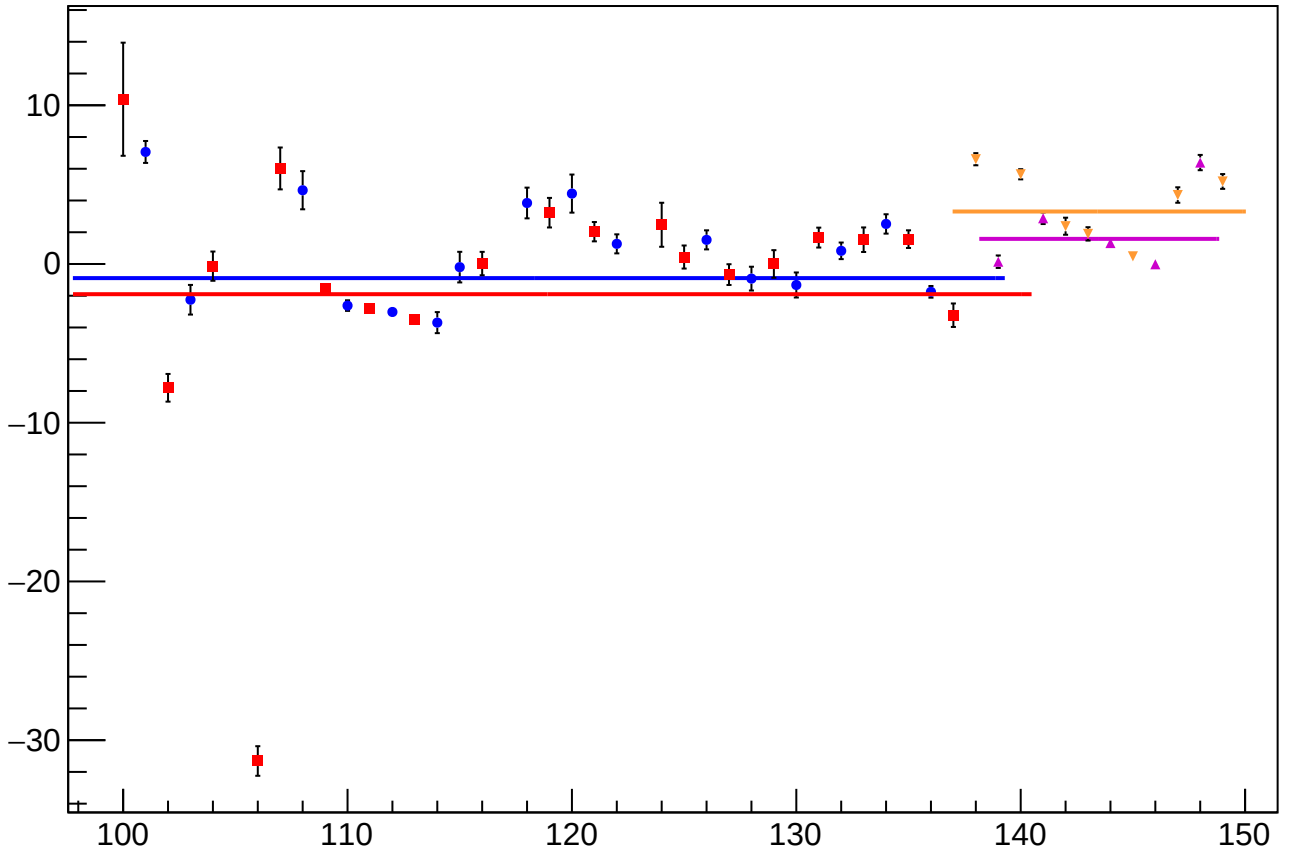
Left: 0.106+/-0.005 χ^2/NDF: 204.1/11

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.037+/-0.005 χ^2/NDF:670.9/20

Out: 0.020+/-0.005 χ^2/NDF:1187.2/25

All: 0.028+/-0.004 χ^2/NDF: 1863.7/46



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.307+/-0.140 χ^2/NDF:295.9/6

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.583+/-0.152 χ^2/NDF:154.7/4

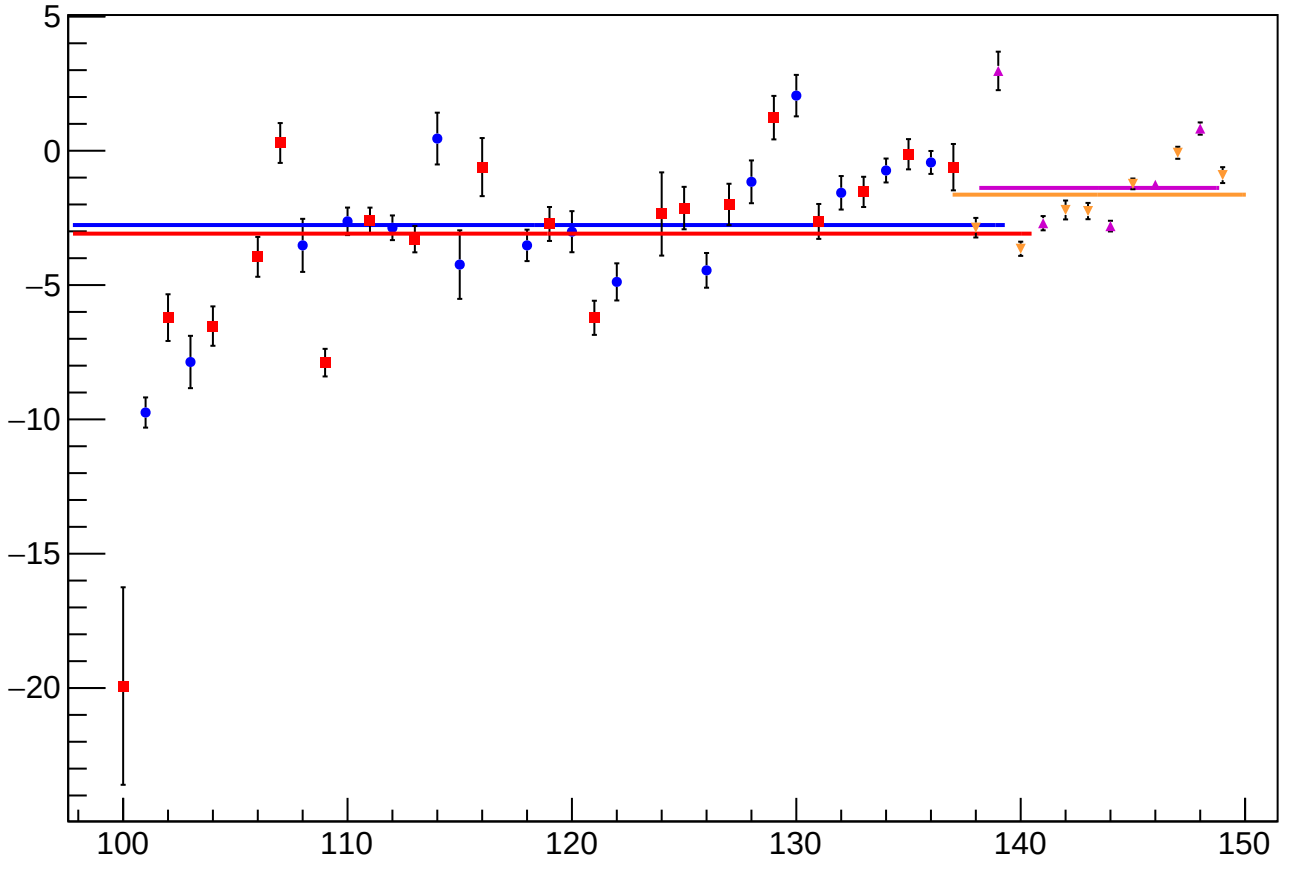
Left: 2.519+/-0.103 χ^2/NDF: 520.1/11

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.212+/-0.102 χ^2/NDF:680.8/20

Out: 0.479+/-0.095 χ^2/NDF:2380.9/25

All: 0.355+/-0.069 χ^2/NDF: 3065.5/46



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.635+/-0.101 χ^2/NDF:134.5/6

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.384+/-0.104 χ^2/NDF:206.6/4

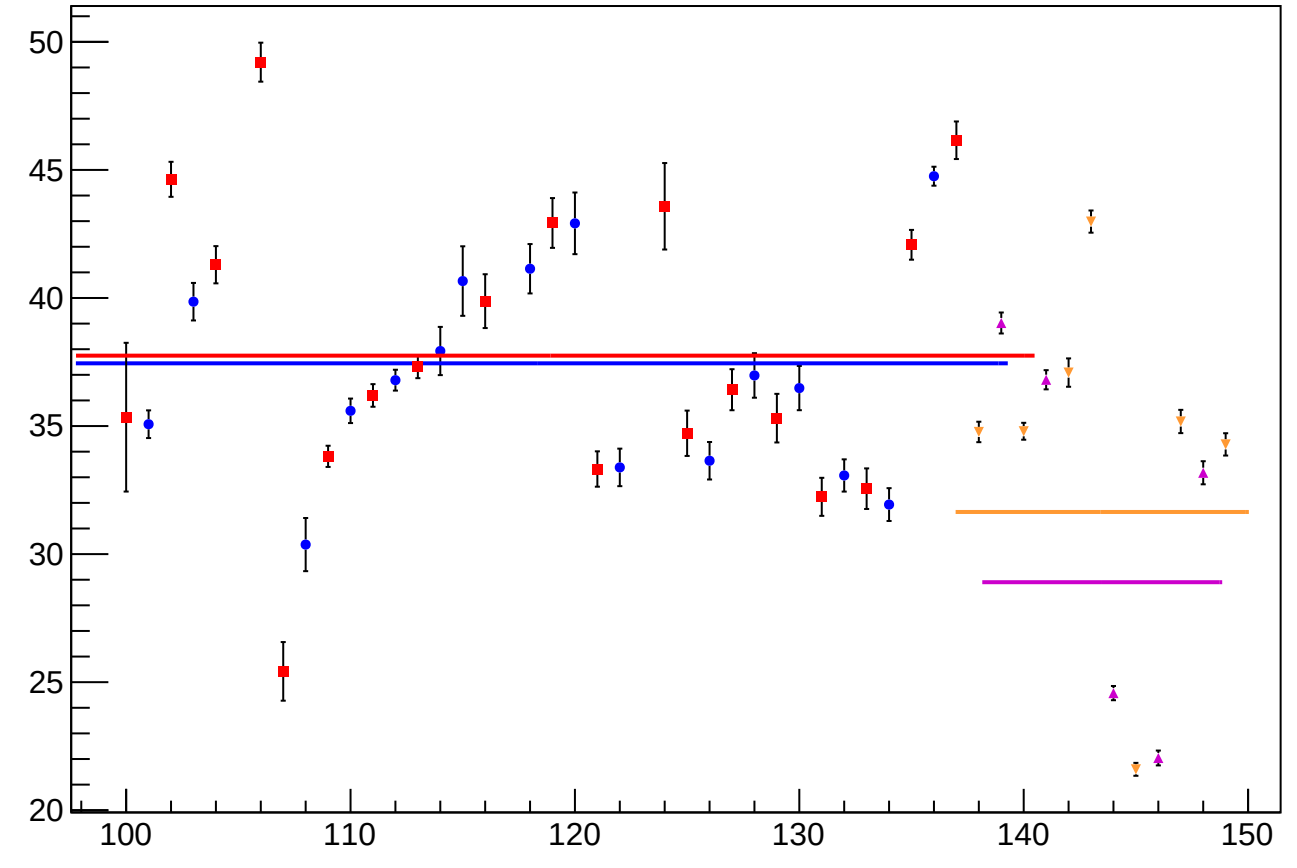
Left: -1.512+/-0.073 χ^2/NDF: 344.1/11

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.808+/-0.087 χ^2/NDF:570.9/20

Out: -2.060+/-0.085 χ^2/NDF:466.9/25

All: -1.936+/-0.061 χ^2/NDF: 1042.1/46



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 31.645+/-0.142 χ^2/NDF:2615.6/6

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.903+/-0.153 χ^2/NDF:1948.1/4

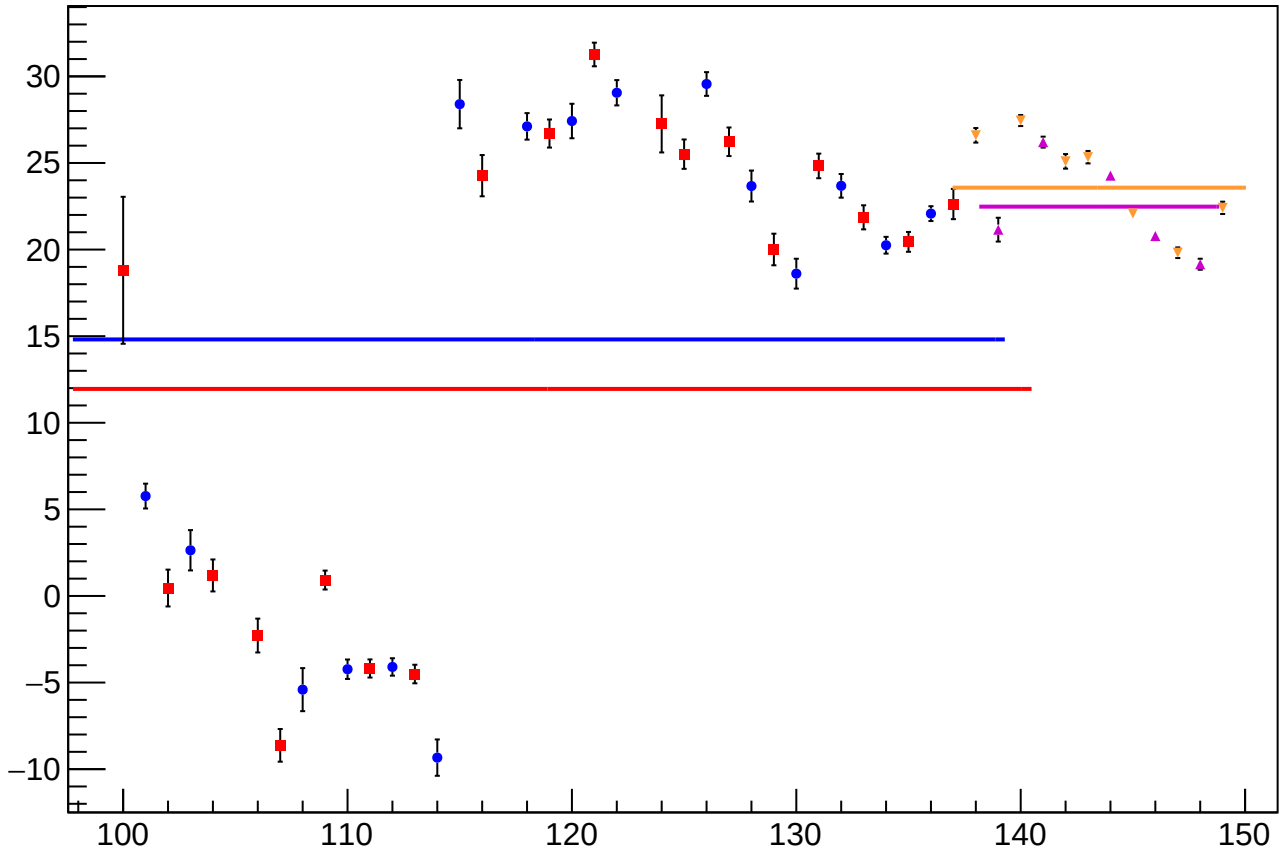
Left: 30.378+/-0.104 χ^2/NDF: 4737.0/11

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 32.959+/-0.111 χ^2/NDF:4140.3/20

Out: 34.338+/-0.106 χ^2/NDF:4398.5/25

All: 33.679+/-0.077 χ^2/NDF: 8619.7/46



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.574+/-0.123 χ^2/NDF:438.9/6

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.128 χ^2/NDF:369.1/4

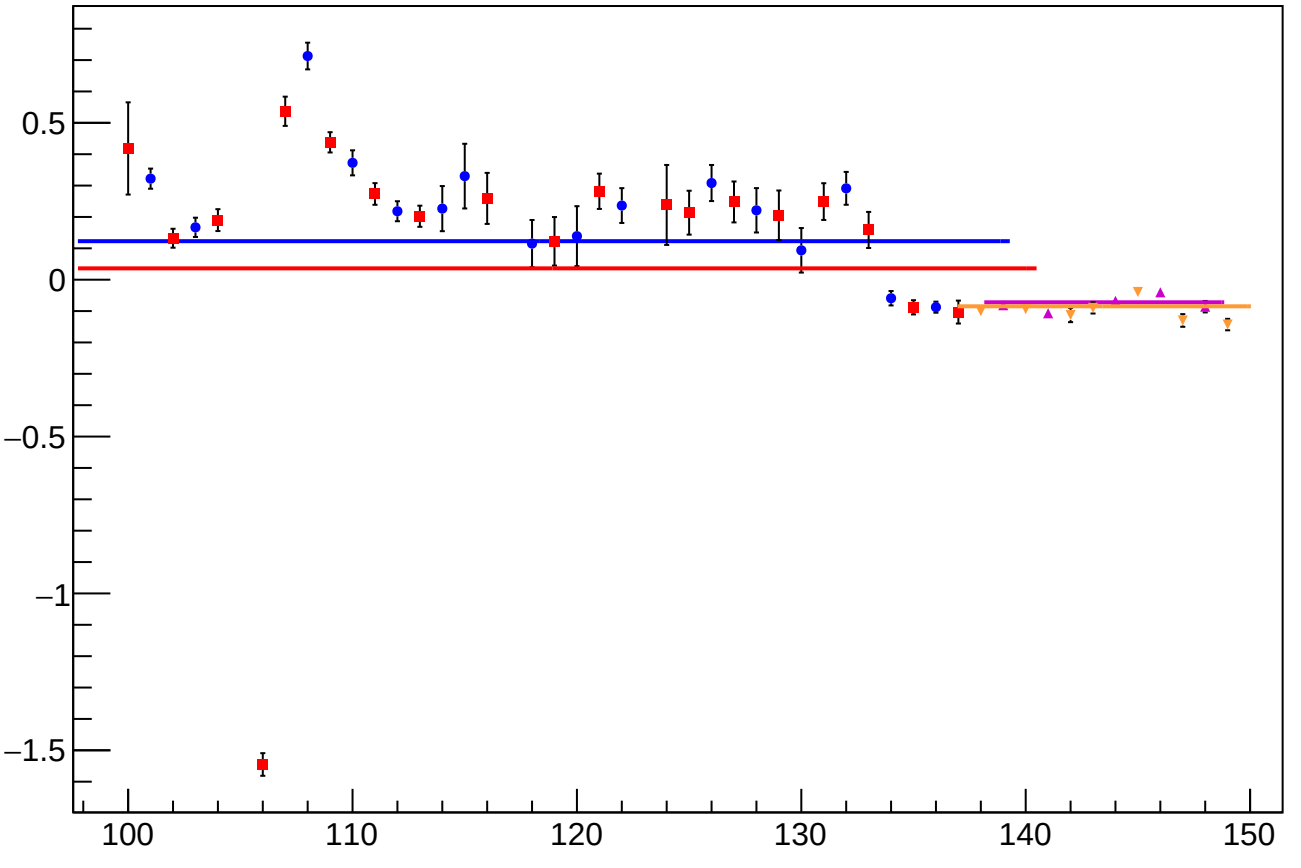
Left: 23.052+/-0.089 χ^2/NDF: 846.0/11

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 19.772+/-0.103 χ^2/NDF:7313.4/20

Out: 19.797+/-0.101 χ^2/NDF:9458.6/25

All: 19.785+/-0.072 χ^2/NDF: 16772.0/46



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.085+/-0.006 χ^2/NDF:38.8/6

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: -0.079+/-0.004 χ^2/NDF: 53.8/11

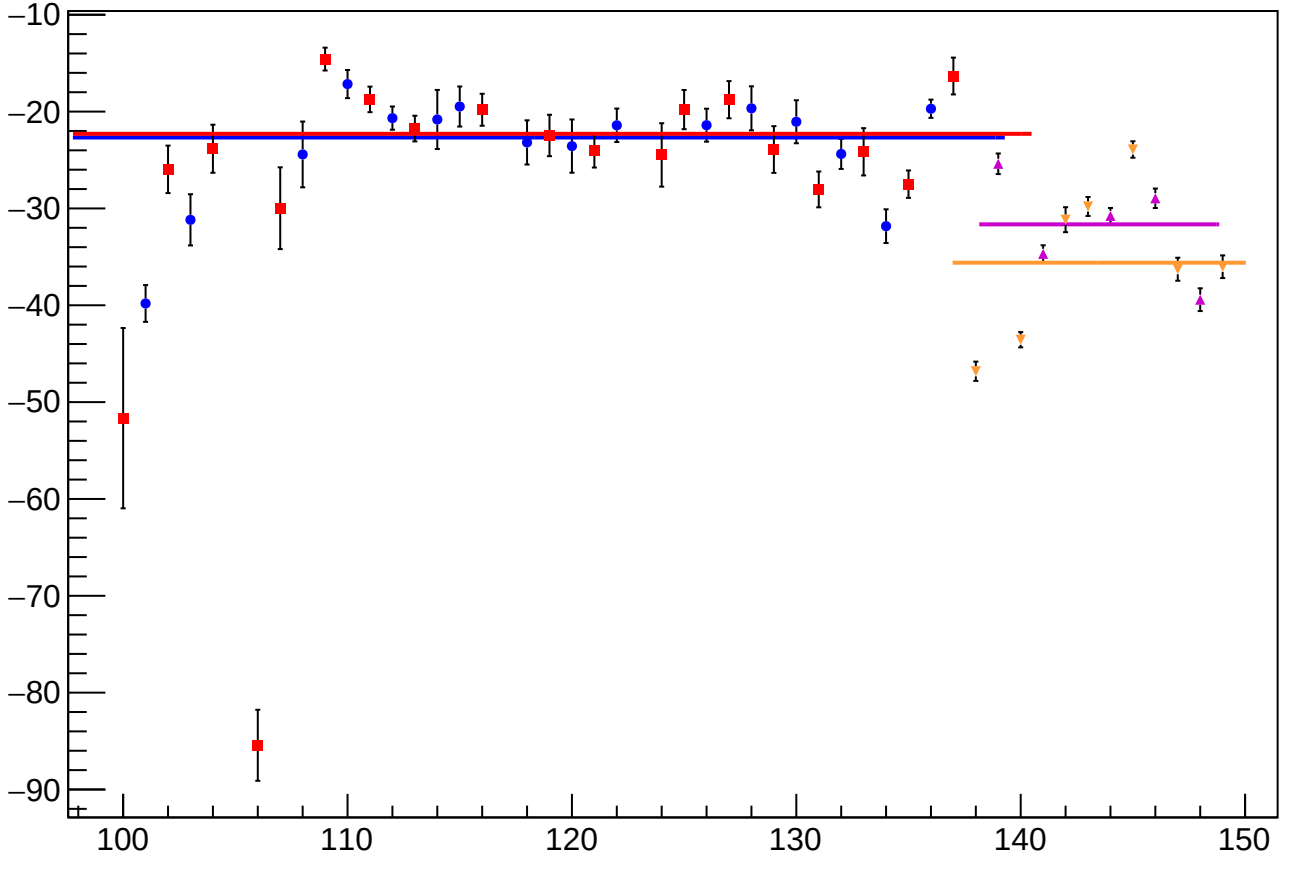
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.011+/-0.005 χ^2/NDF:827.7/20

Out: -0.053+/-0.005 χ^2/NDF:2565.9/25

All: -0.033+/-0.004 χ^2/NDF: 3426.0/46

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.603+/-0.376 χ^2/NDF:465.8/6

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: -33.898+/-0.283 χ^2/NDF: 612.2/11

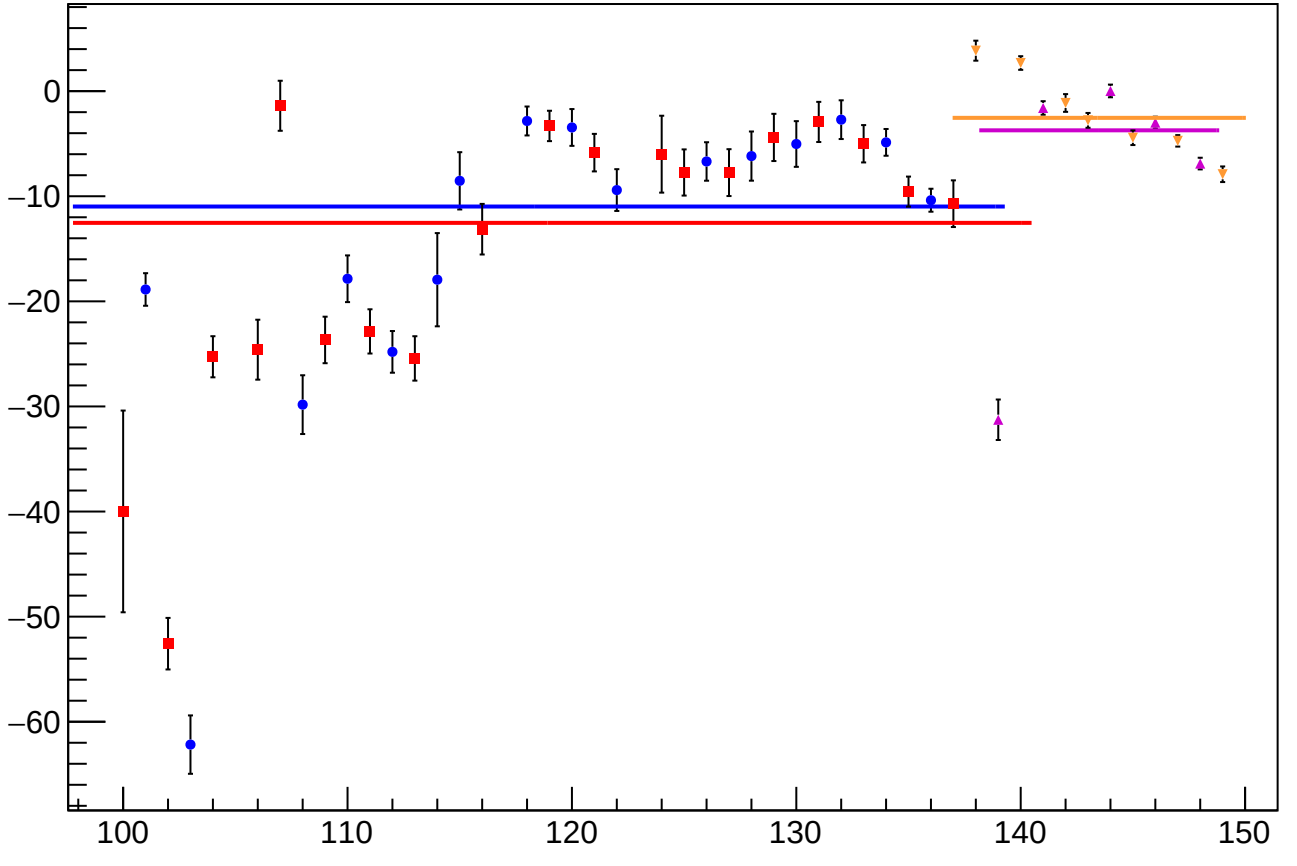
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -27.185+/-0.306 χ^2/NDF:467.2/20

Out: -29.922+/-0.284 χ^2/NDF:1407.3/25

All: -28.656+/-0.208 χ^2/NDF: 1917.4/46

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.541+/-0.266 χ^2/NDF:188.4/6

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -3.728+/-0.291 χ^2/NDF:288.0/4

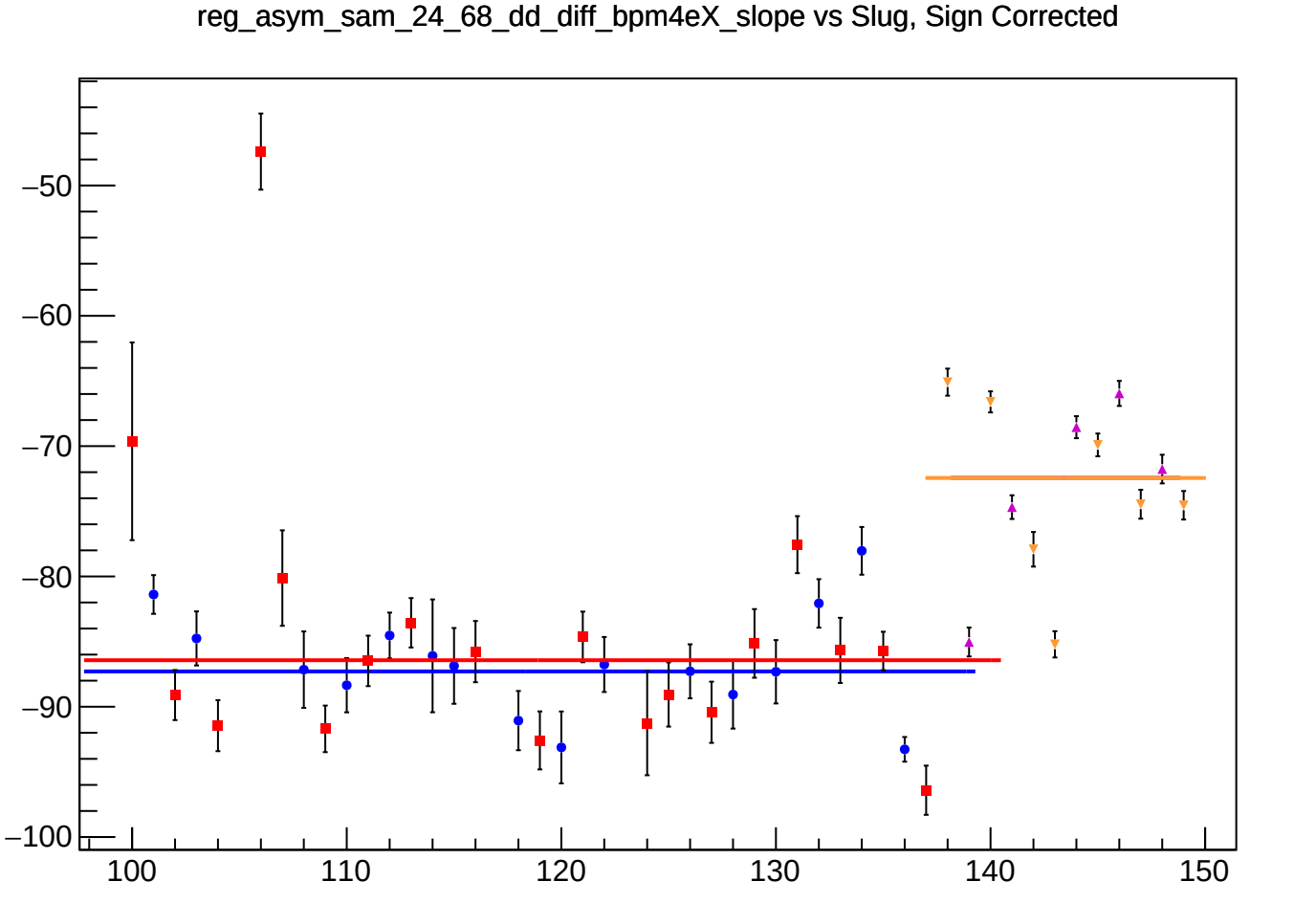
Left: -3.081+/-0.196 χ^2/NDF: 485.5/11

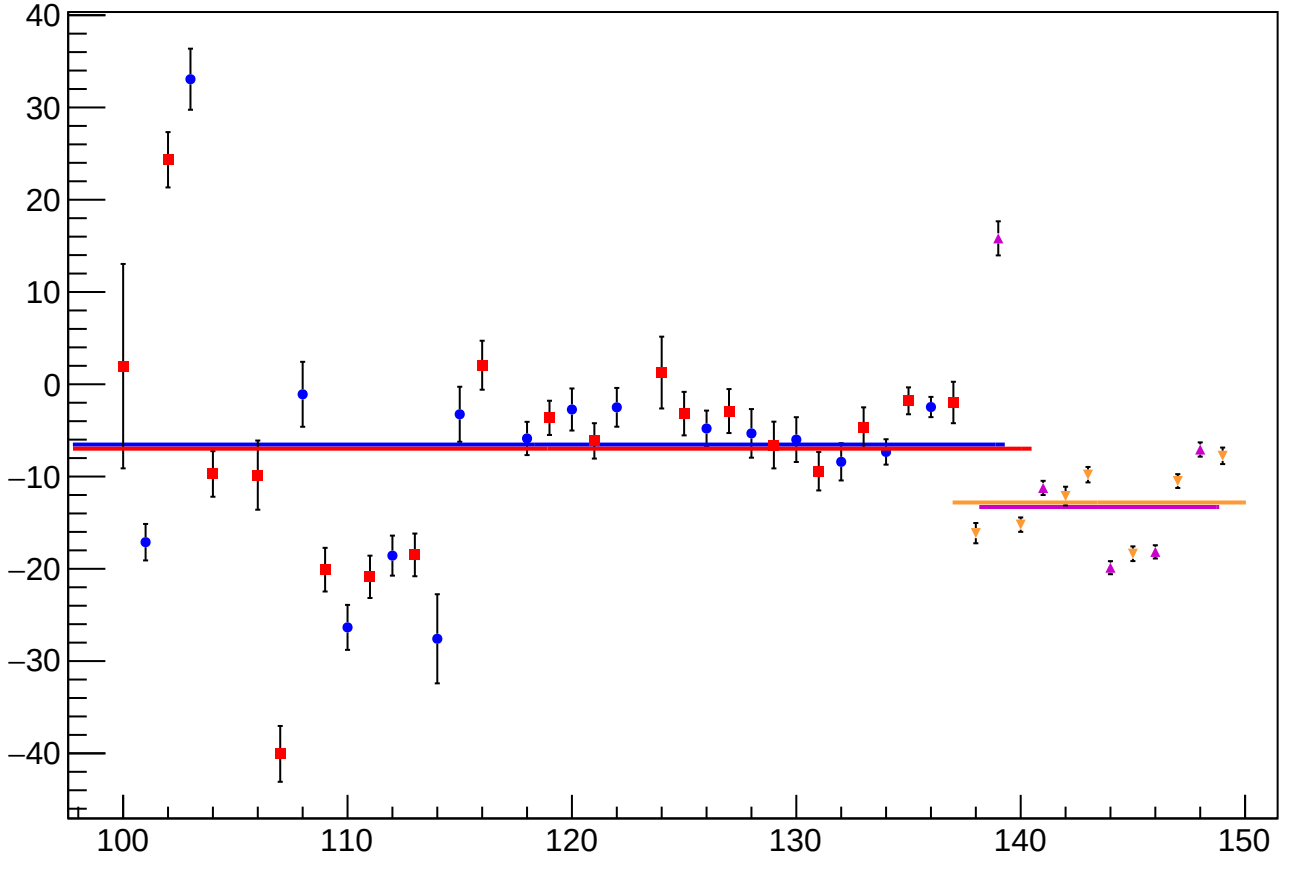
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -5.846+/-0.245 χ^2/NDF:1056.4/20

Out: -4.881+/-0.233 χ^2/NDF:1091.0/25

All: -5.339+/-0.169 χ^2/NDF: 2155.5/46


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: -72.444+/-0.379 χ²/NDF:295.0/6
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -72.432+/-0.433 χ²/NDF:202.5/4
Left: -72.439+/-0.285 χ²/NDF: 497.5/11
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -79.091+/-0.322 χ²/NDF:831.2/20
Out: -77.472+/-0.303 χ²/NDF:1049.4/25
All: -78.234+/-0.221 χ²/NDF: 1894.0/46



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.811+/-0.325 χ^2/NDF:122.1/6

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: -13.028+/-0.242 χ^2/NDF: 575.2/11

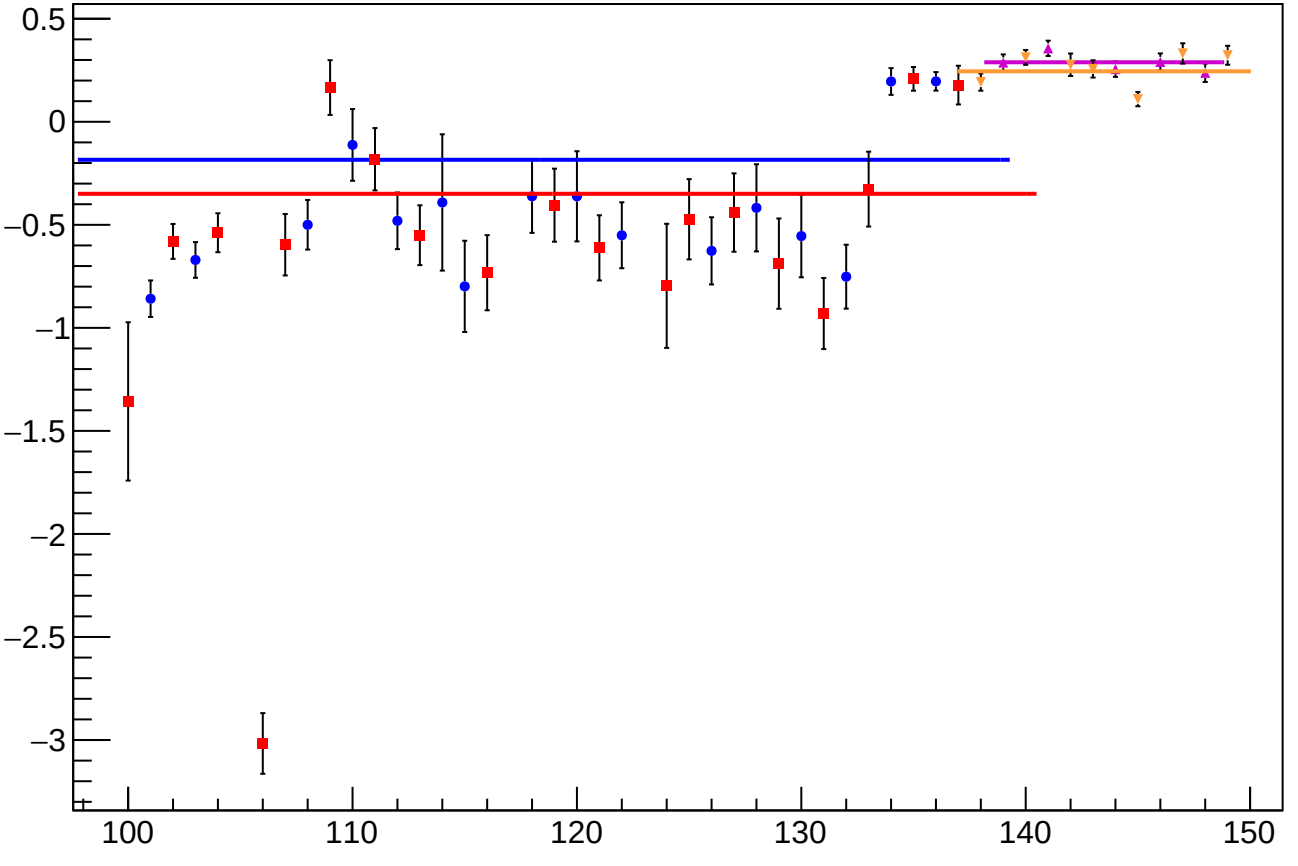
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.010+/-0.296 χ^2/NDF:883.4/20

Out: -11.268+/-0.279 χ^2/NDF:575.7/25

All: -11.147+/-0.203 χ^2/NDF: 1459.5/46

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: 0.245+/-0.016 χ^2/NDF:26.6/6

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.289+/-0.018 χ^2/NDF:5.4/4

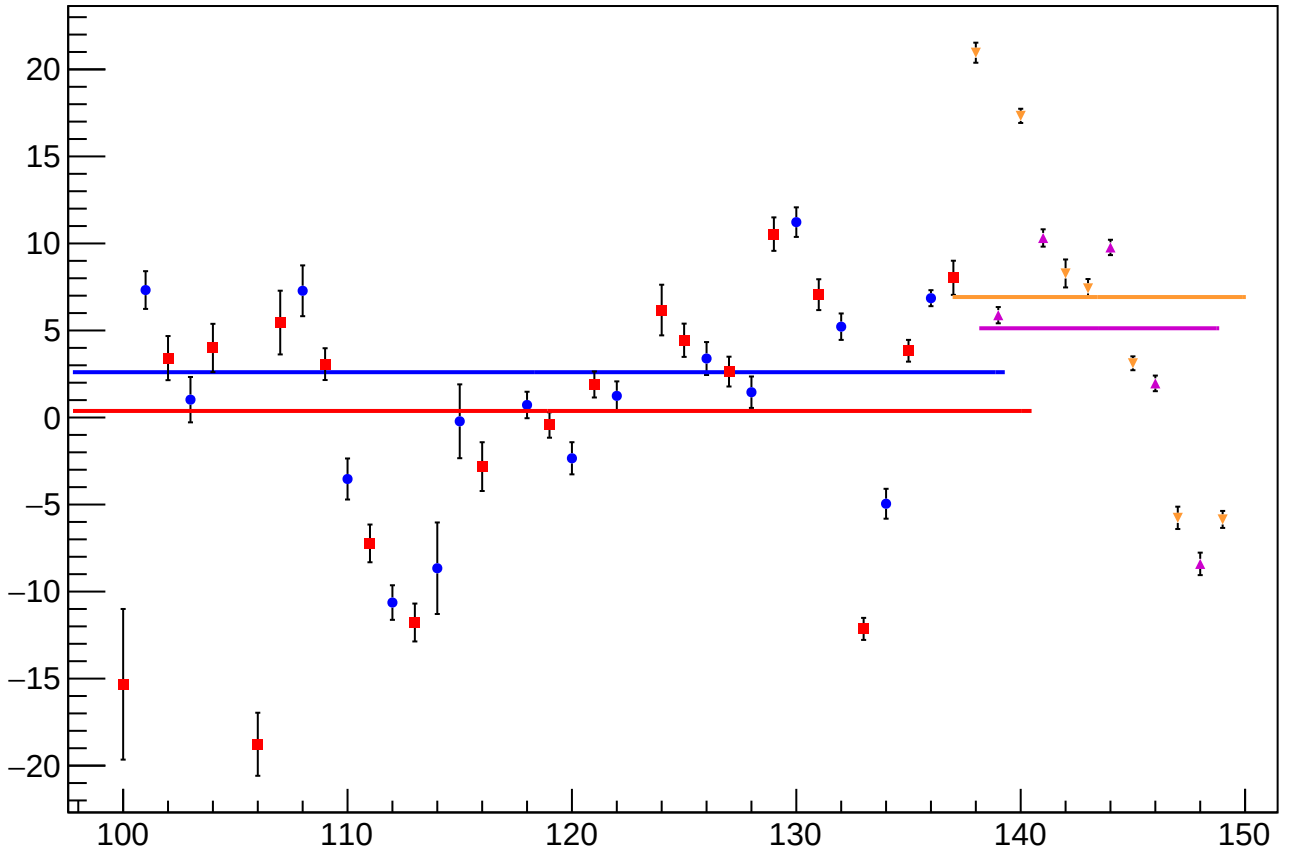
Left: 0.264+/-0.012 χ^2/NDF: 35.3/11

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.143+/-0.015 χ^2/NDF:469.1/20

Out: 0.110+/-0.014 χ^2/NDF:860.7/25

All: 0.126+/-0.010 χ^2/NDF: 1332.4/46



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.921+/-0.193 χ^2/NDF:2413.9/6

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 5.127+/-0.218 χ^2/NDF:711.5/4

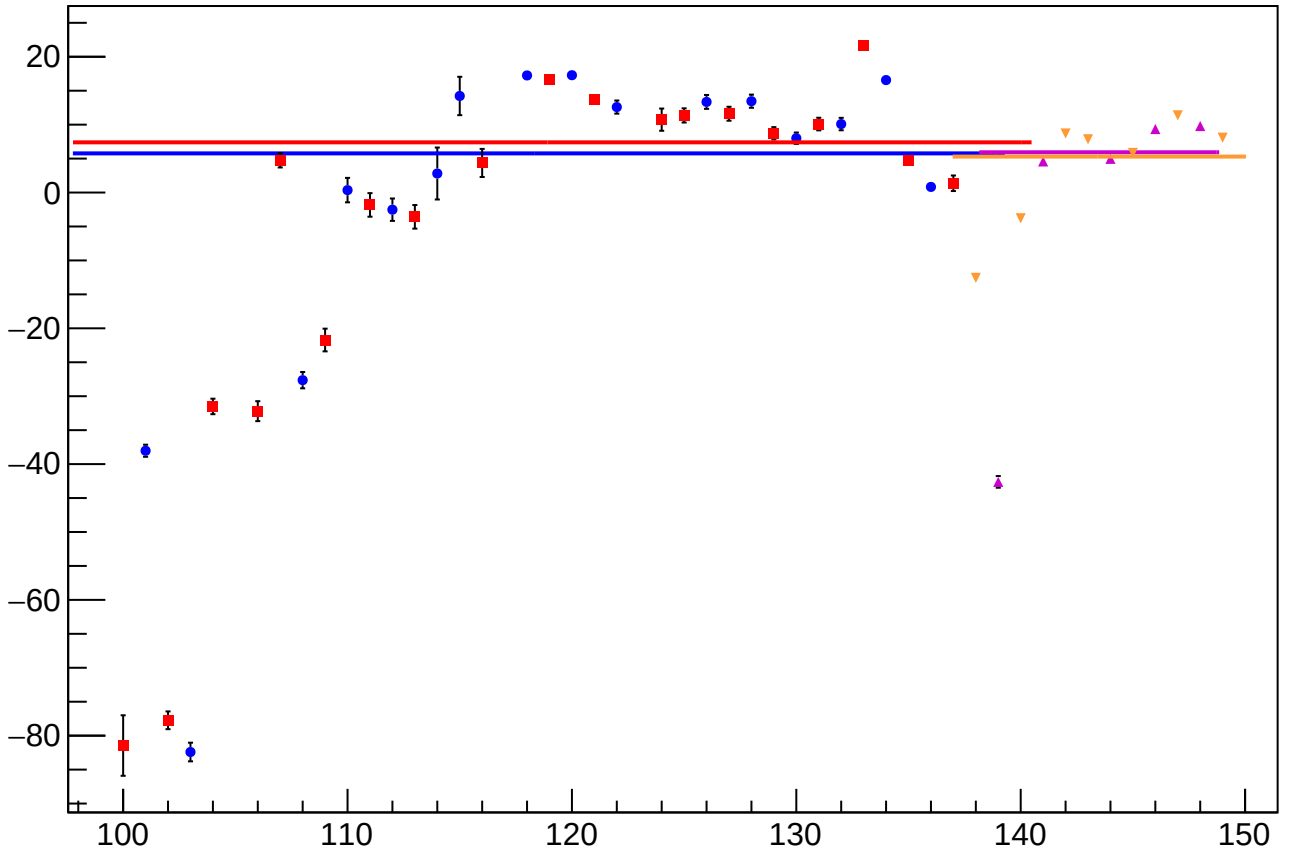
Left: 6.133+/-0.144 χ^2/NDF: 3163.6/11

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.903+/-0.156 χ^2/NDF:1349.9/20

Out: 4.114+/-0.146 χ^2/NDF:3940.0/25

All: 4.016+/-0.106 χ^2/NDF: 5290.9/46



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.294+/-0.138 χ^2/NDF:2222.6/6

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.930+/-0.155 χ^2/NDF:3529.0/4

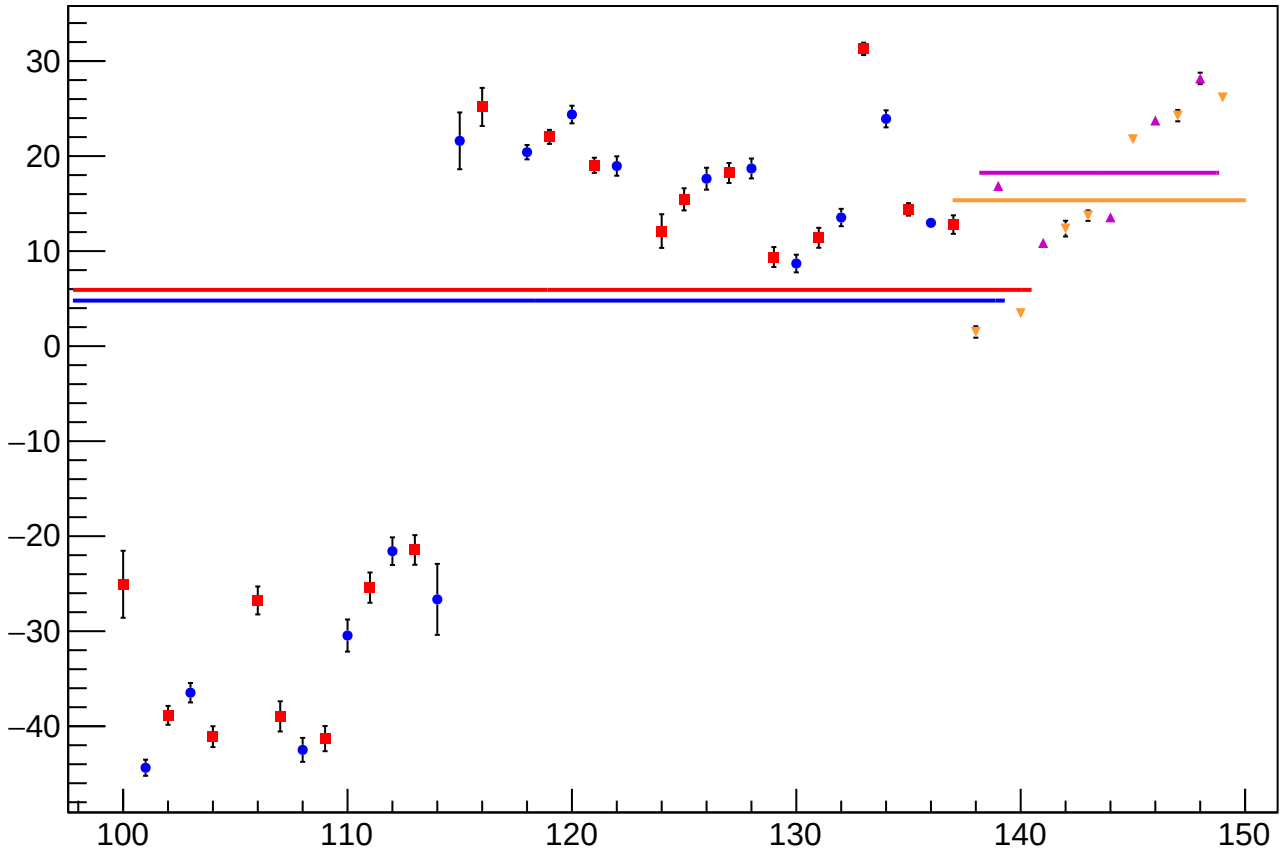
Left: 5.577+/-0.103 χ^2/NDF: 5760.9/11

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.873+/-0.125 χ^2/NDF:12463.2/20

Out: 5.936+/-0.115 χ^2/NDF:10683.3/25

All: 5.907+/-0.085 χ^2/NDF: 23146.6/46



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.350+/-0.193 χ^2/NDF:2384.6/6

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: 16.624+/-0.145 χ^2/NDF: 3238.6/11

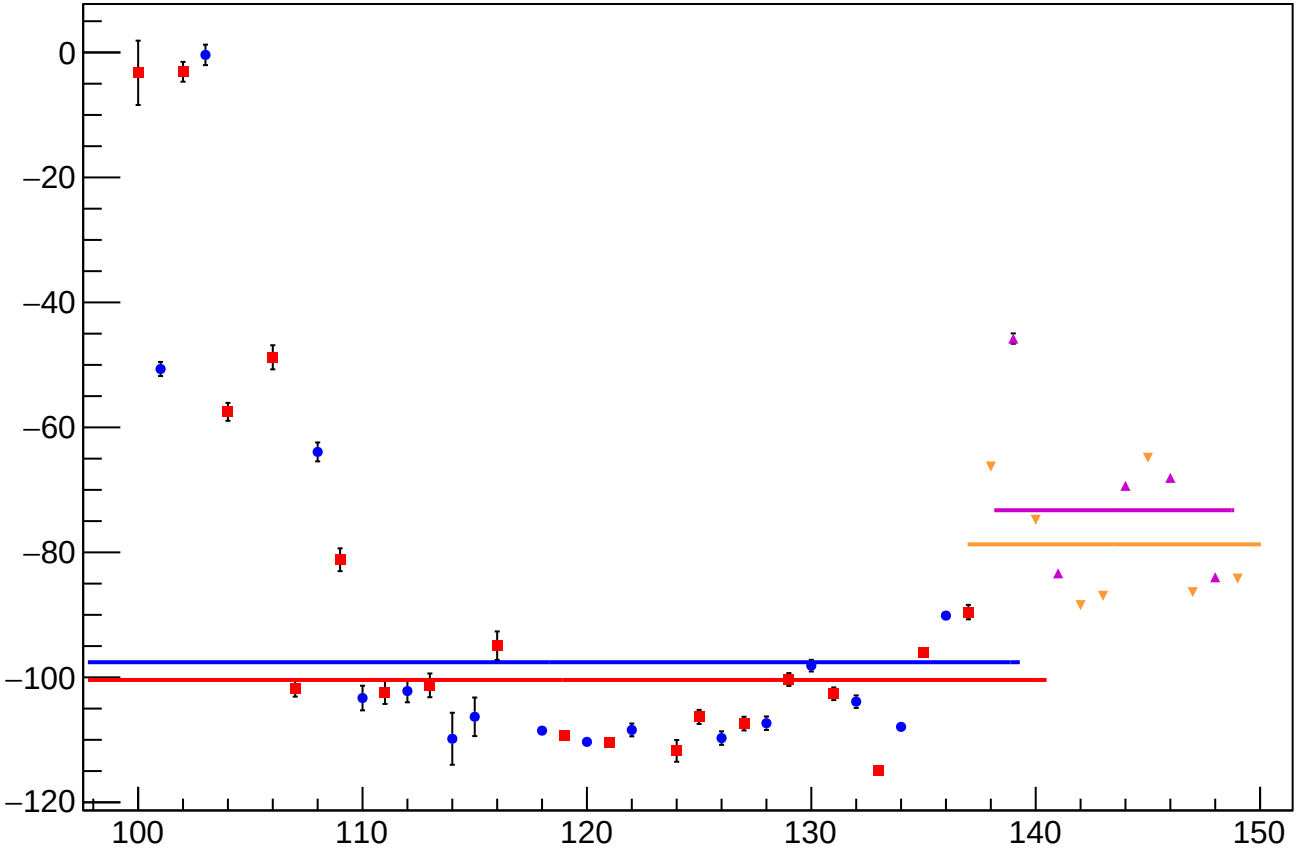
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 12.087+/-0.161 χ^2/NDF:11992.8/20

Out: 11.636+/-0.151 χ^2/NDF:13380.4/25

All: 11.847+/-0.110 χ^2/NDF: 25377.5/46

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -78.714+/-0.168 χ^2/NDF:2911.2/6

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -73.257+/-0.190 χ^2/NDF:2612.6/4

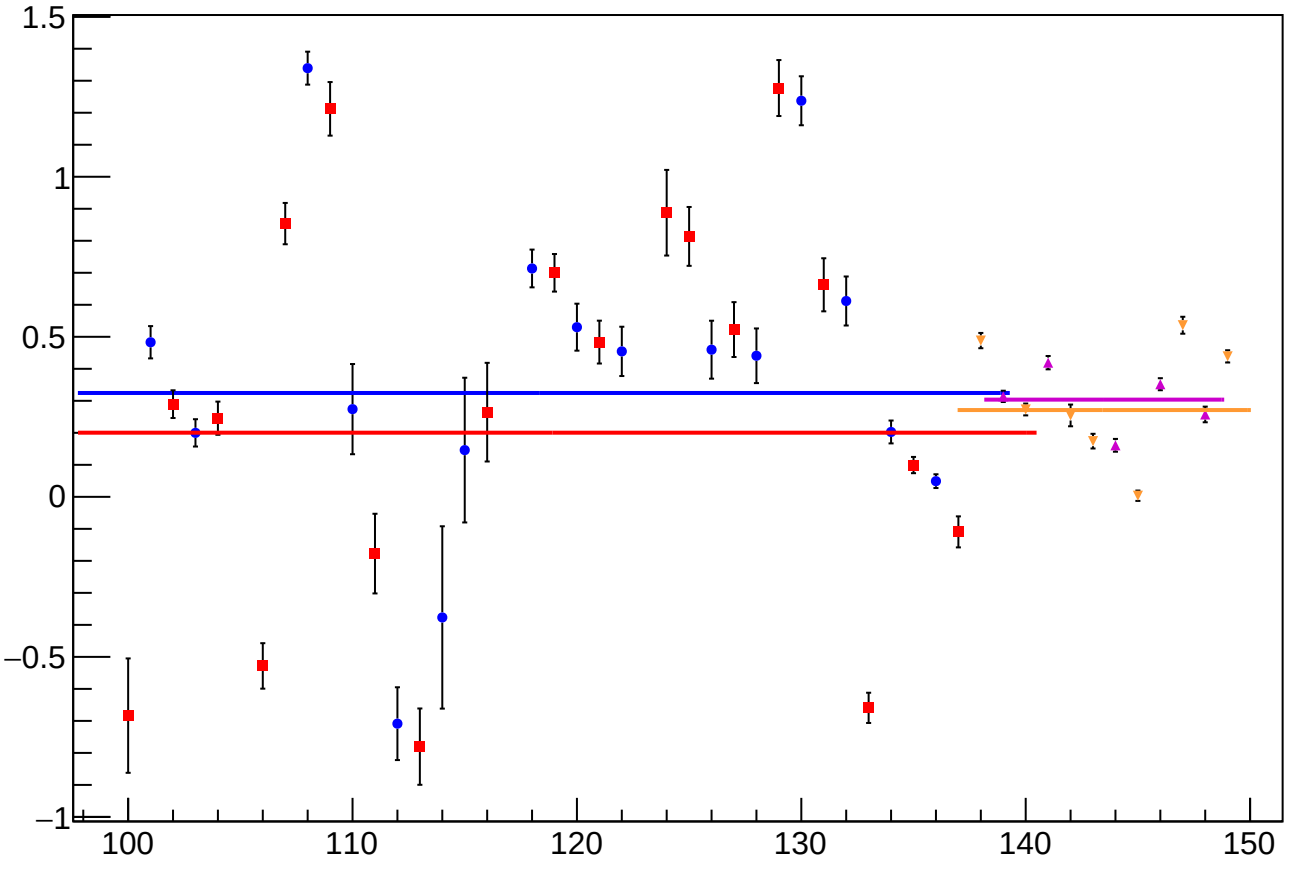
Left: -76.323+/-0.126 χ^2/NDF: 5987.3/11

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.546+/-0.149 χ^2/NDF:16017.5/20

Out: -85.797+/-0.138 χ^2/NDF:15491.7/25

All: -84.304+/-0.101 χ^2/NDF: 31765.4/46



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.271+/-0.008 χ^2/NDF:551.4/6

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: 0.286+/-0.006 χ^2/NDF: 650.8/11

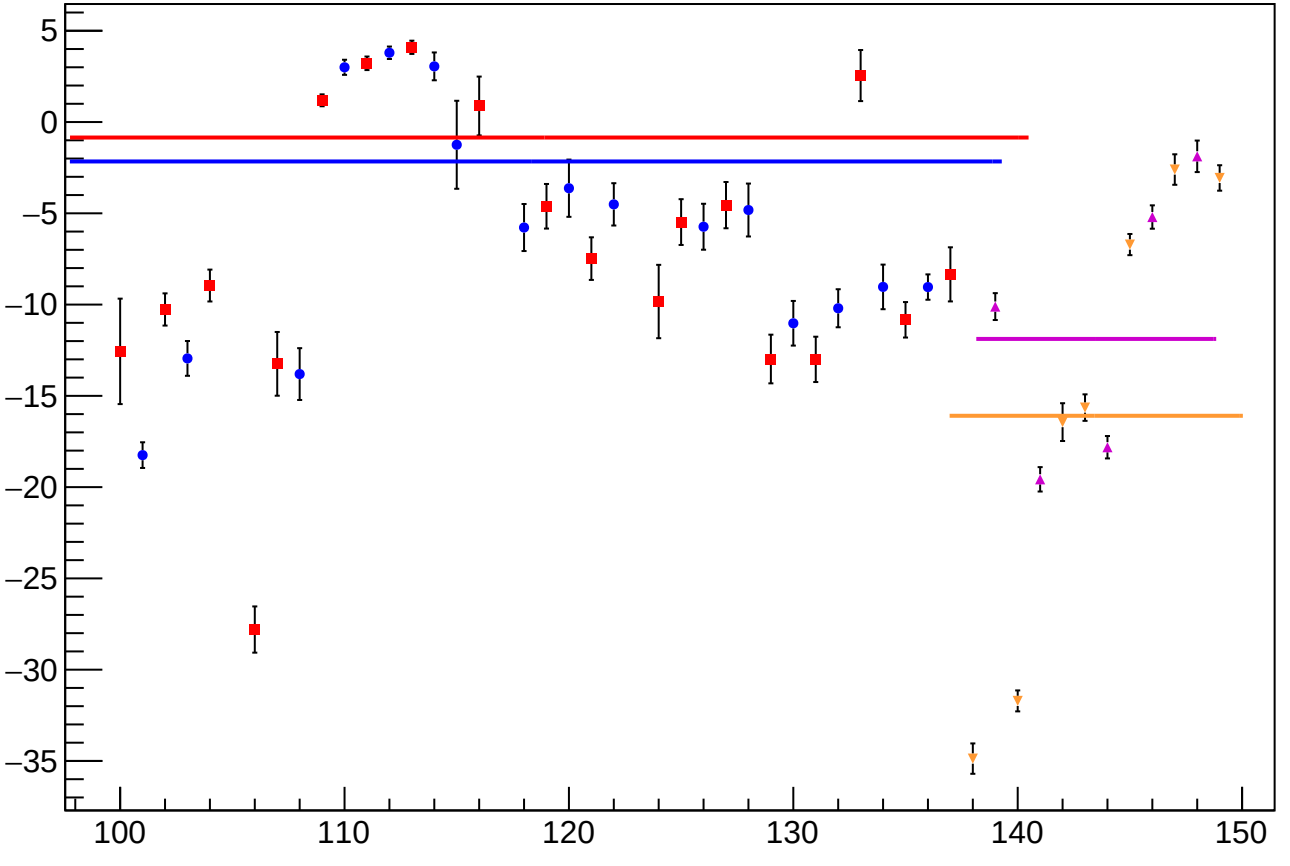
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.310+/-0.007 χ^2/NDF:980.3/20

Out: 0.253+/-0.007 χ^2/NDF:1777.2/25

All: 0.280+/-0.005 χ^2/NDF: 2788.7/46

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: -16.091+/-0.269 χ^2/NDF:2121.3/6

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: -14.267+/-0.203 χ^2/NDF: 2701.8/11

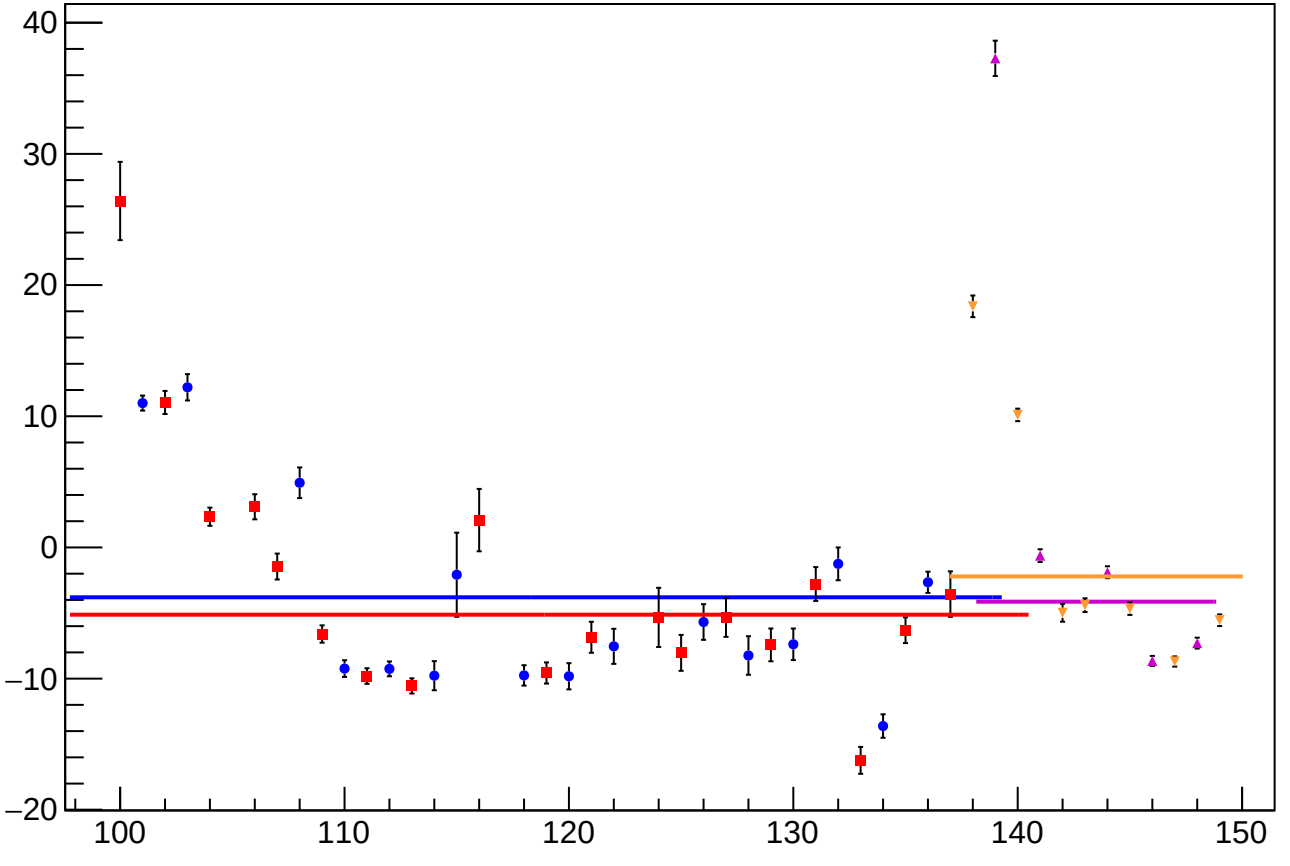
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.876+/-0.163 χ^2/NDF:2682.4/20

Out: -5.202+/-0.144 χ^2/NDF:5872.2/25

All: -5.059+/-0.108 χ^2/NDF: 8556.9/46

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: -2.208+/-0.190 χ^2/NDF:1680.9/6

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: -3.064+/-0.142 χ^2/NDF: 2943.3/11

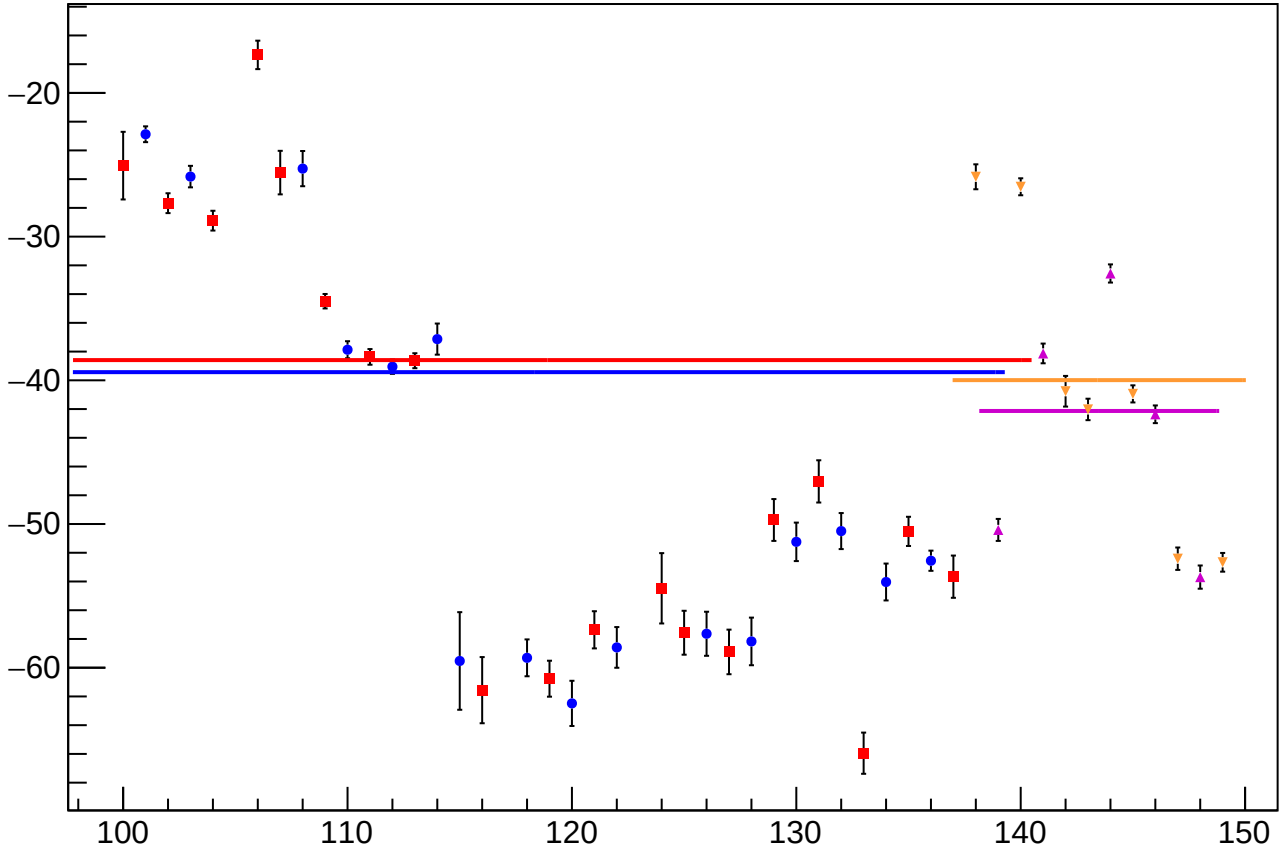
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.977+/-0.155 χ^2/NDF:2643.6/20

Out: -3.466+/-0.144 χ^2/NDF:2762.7/25

All: -3.702+/-0.105 χ^2/NDF: 5412.1/46

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -39.987+/-0.270 χ^2/NDF:1428.3/6

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: -40.919+/-0.203 χ^2/NDF: 2040.5/11

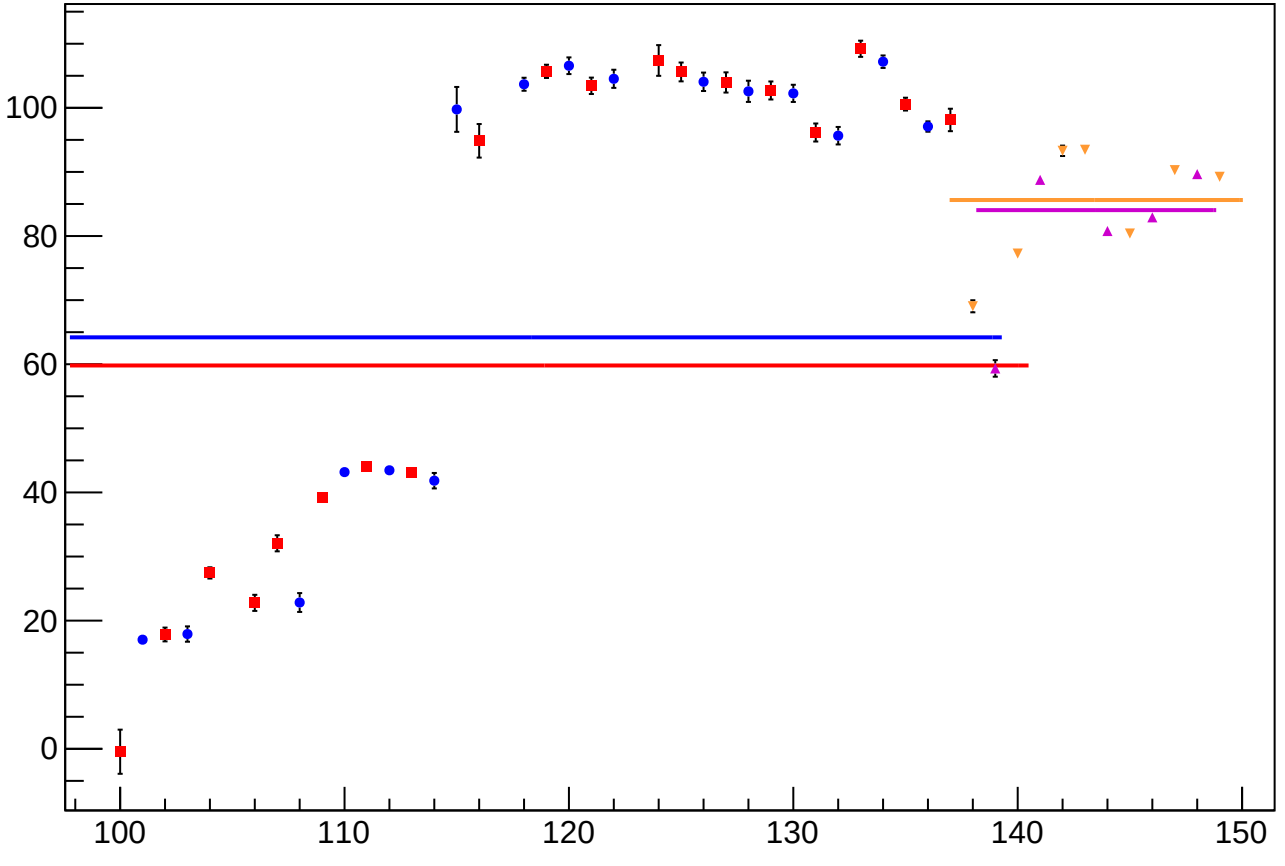
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.372+/-0.182 χ^2/NDF:3592.9/20

Out: -39.125+/-0.167 χ^2/NDF:4216.9/25

All: -39.695+/-0.123 χ^2/NDF: 7835.2/46

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 85.619+/-0.232 χ^2/NDF:982.4/6

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.042+/-0.263 χ^2/NDF:571.0/4

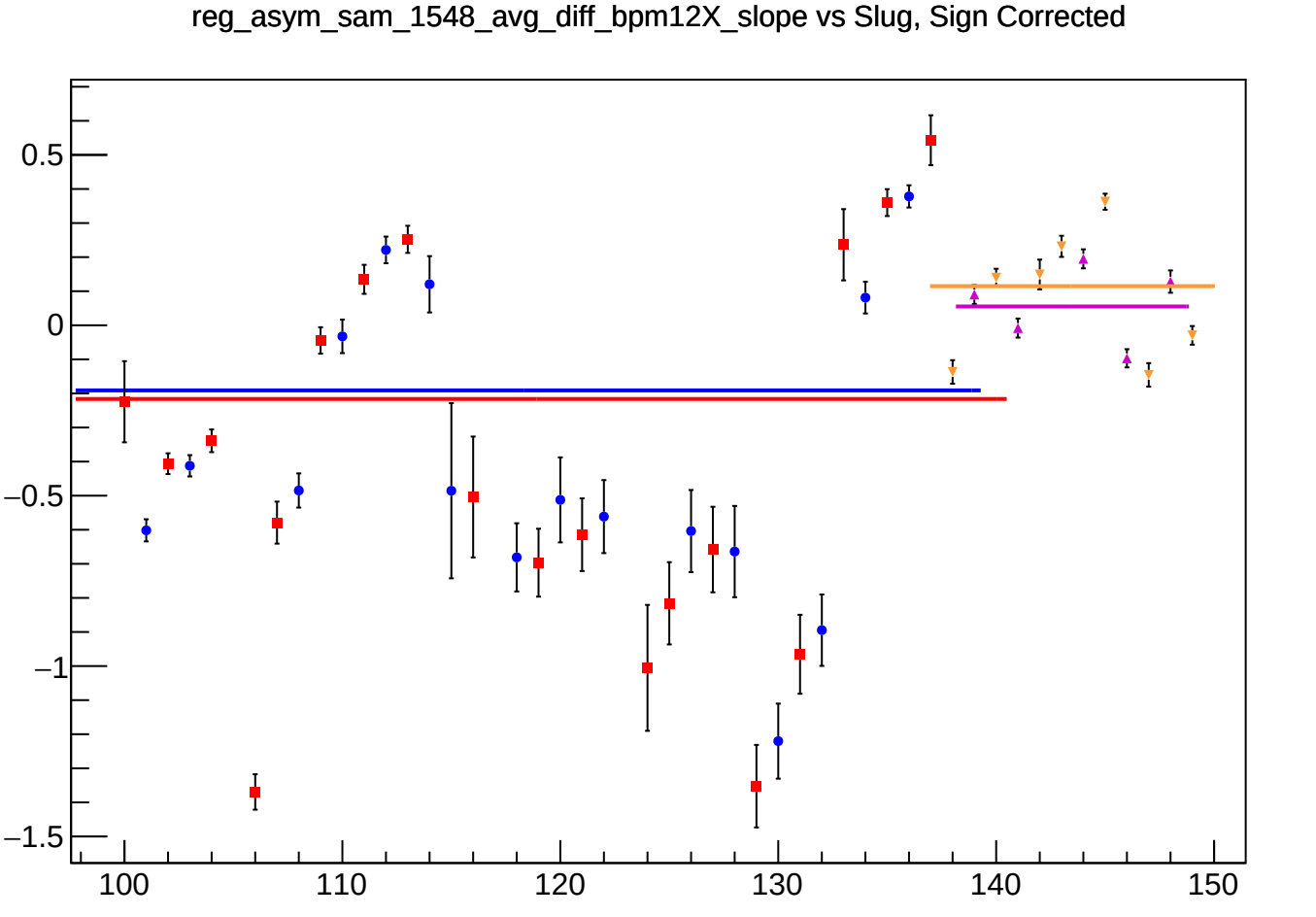
Left: 84.929+/-0.174 χ^2/NDF: 1573.6/11

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 73.918+/-0.184 χ^2/NDF:22077.2/20

Out: 73.619+/-0.170 χ^2/NDF:24177.1/25

All: 73.756+/-0.125 χ^2/NDF: 46255.7/46



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.115+/-0.011 χ^2/NDF:264.2/6

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: 0.089+/-0.008 χ^2/NDF: 345.4/11

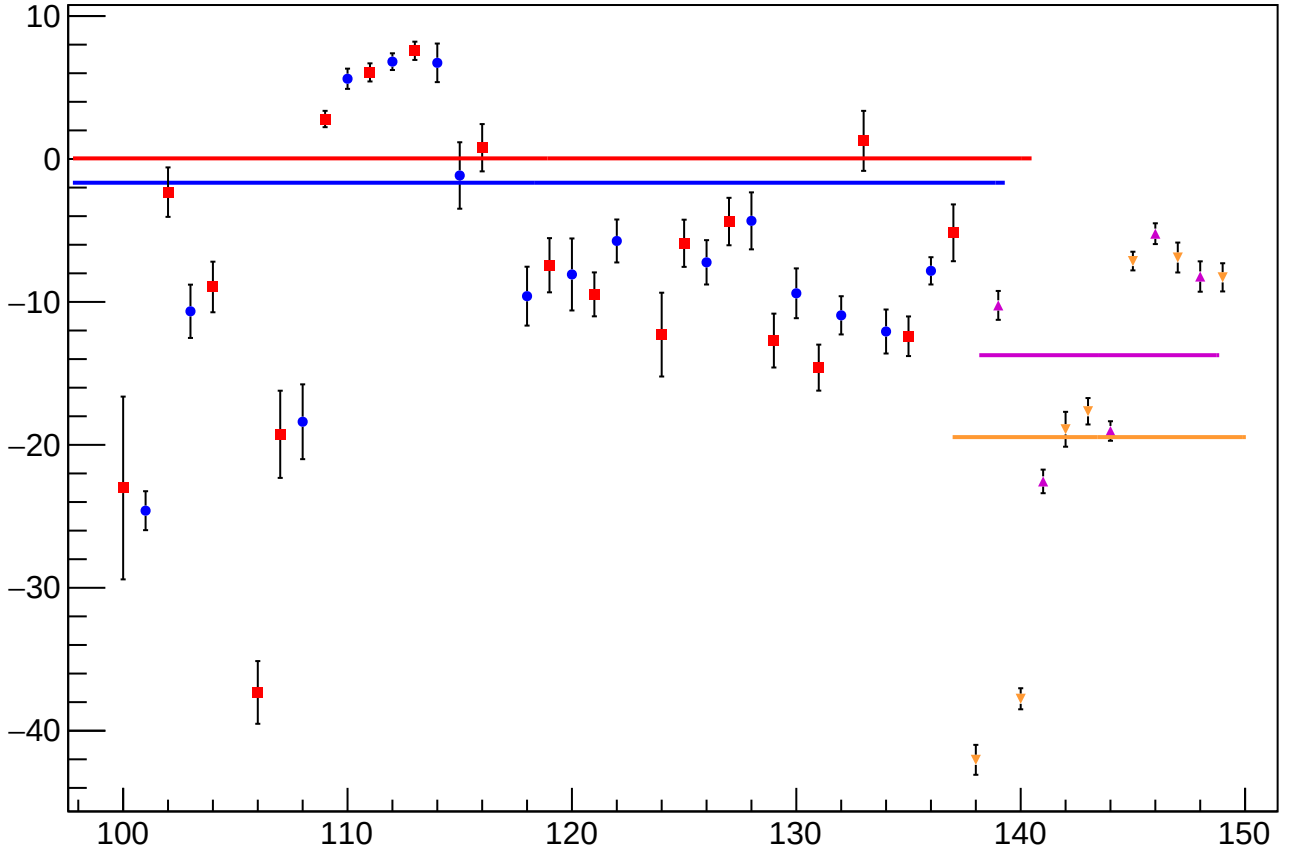
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.061+/-0.009 χ^2/NDF:1164.6/20

Out: -0.028+/-0.009 χ^2/NDF:2004.0/25

All: -0.043+/-0.006 χ^2/NDF: 3175.4/46

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: -19.458+/-0.336 χ^2/NDF:1714.9/6

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: -16.859+/-0.248 χ^2/NDF: 2197.3/11

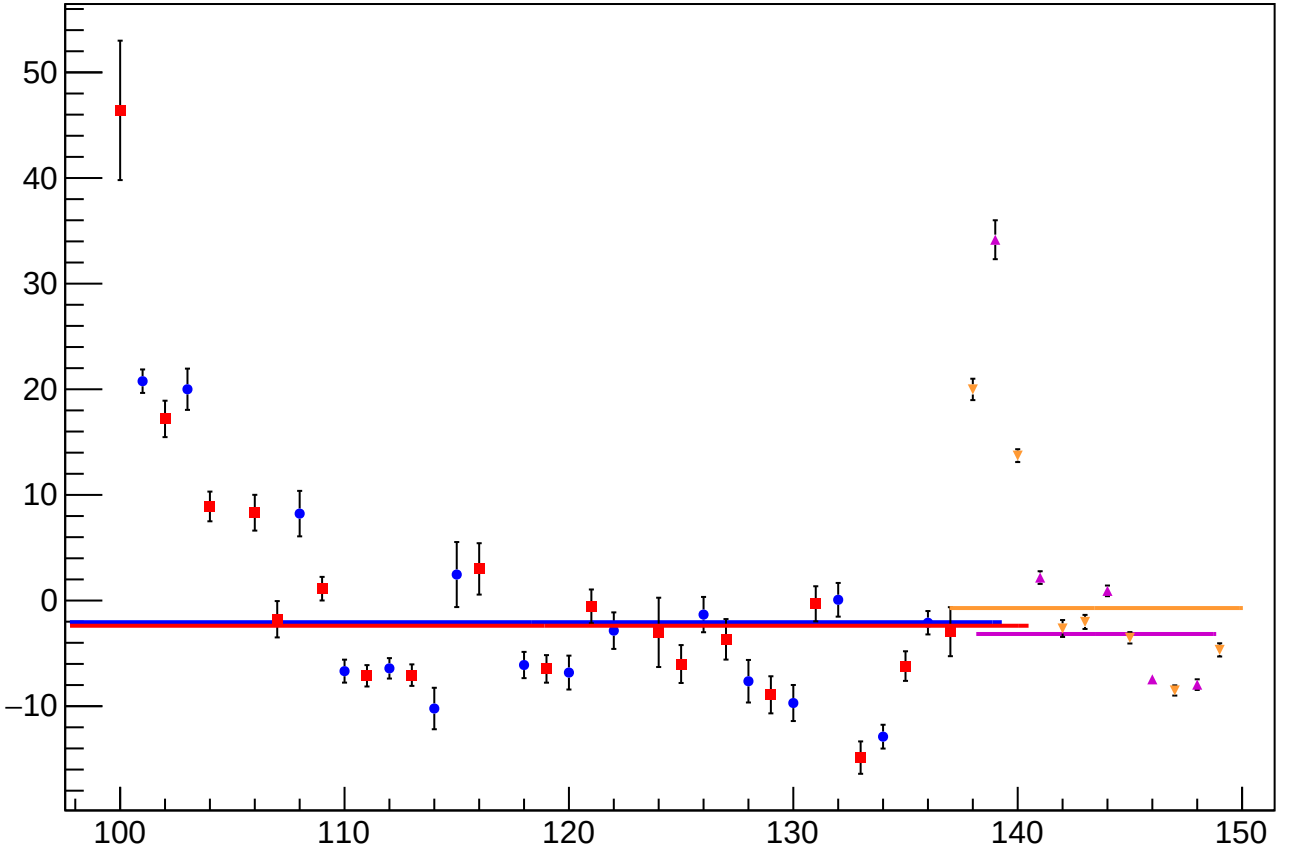
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -6.626+/-0.236 χ^2/NDF:1881.7/20

Out: -8.028+/-0.216 χ^2/NDF:4626.1/25

All: -7.390+/-0.159 χ^2/NDF: 6527.0/46

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: -0.711+/-0.237 χ^2/NDF:1320.2/6

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.165+/-0.248 χ^2/NDF:744.5/4

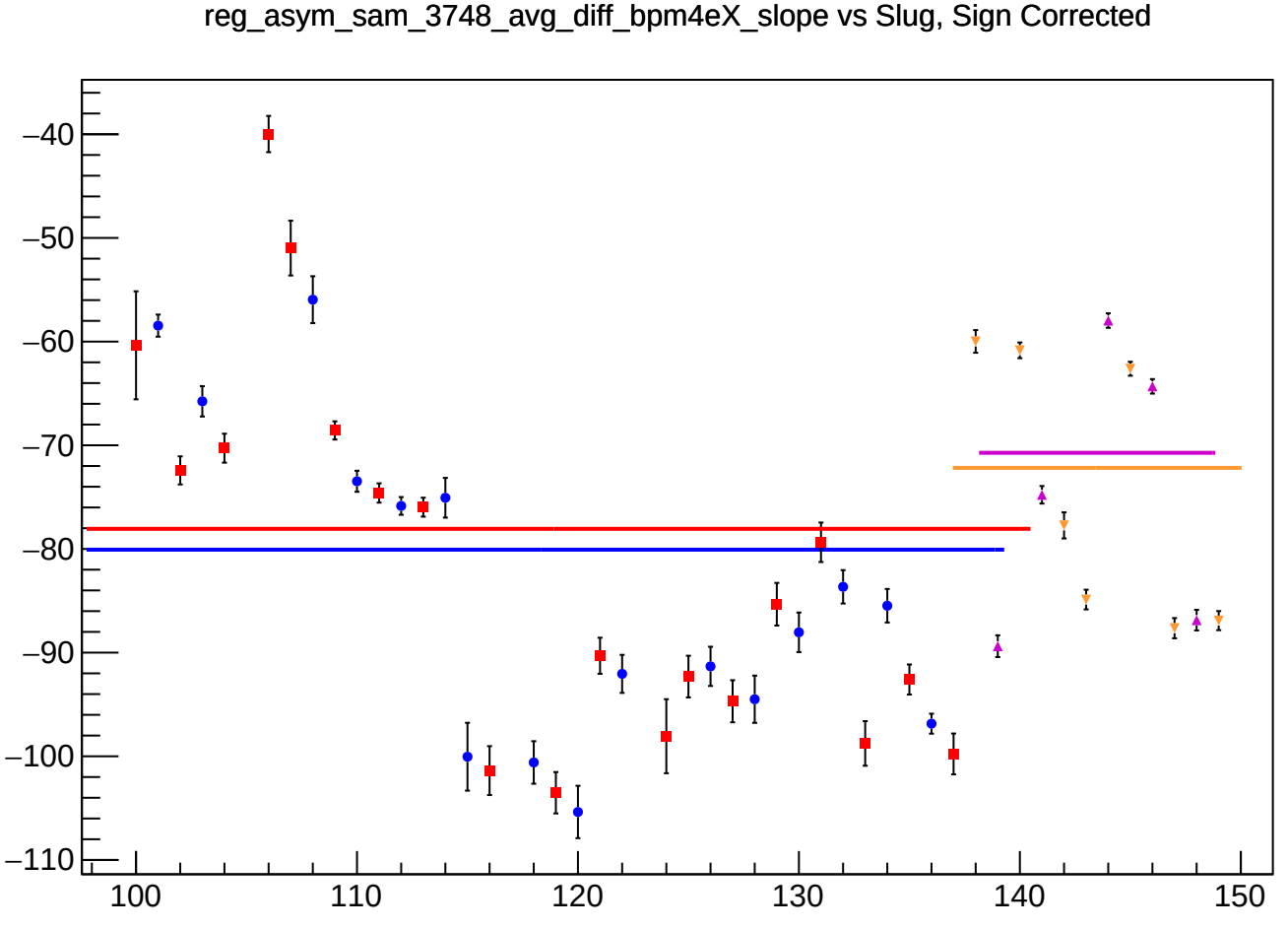
Left: -1.885+/-0.171 χ^2/NDF: 2116.0/11

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.802+/-0.203 χ^2/NDF:1523.0/20

Out: -1.227+/-0.197 χ^2/NDF:1786.5/25

All: -1.991+/-0.142 χ^2/NDF: 3340.5/46



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -72.178+/-0.338 χ^2/NDF:1256.4/6

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -70.727+/-0.368 χ^2/NDF:1013.5/4

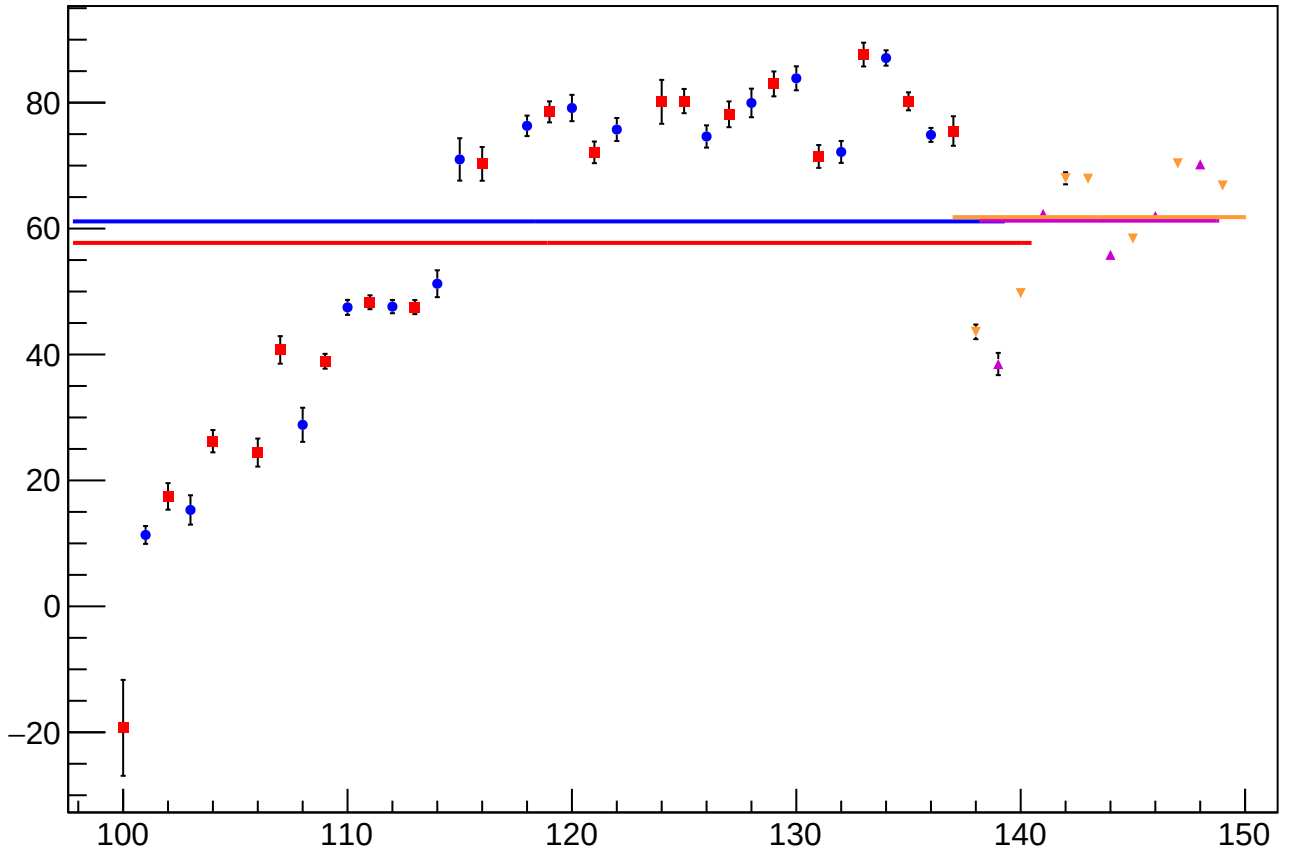
Left: -71.515+/-0.249 χ^2/NDF: 2278.3/11

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -75.448+/-0.259 χ^2/NDF:2725.8/20

Out: -74.985+/-0.244 χ^2/NDF:2962.3/25

All: -75.203+/-0.178 χ^2/NDF: 5689.8/46



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 61.815+/-0.289 χ^2/NDF:860.3/6

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 61.257+/-0.307 χ^2/NDF:417.4/4

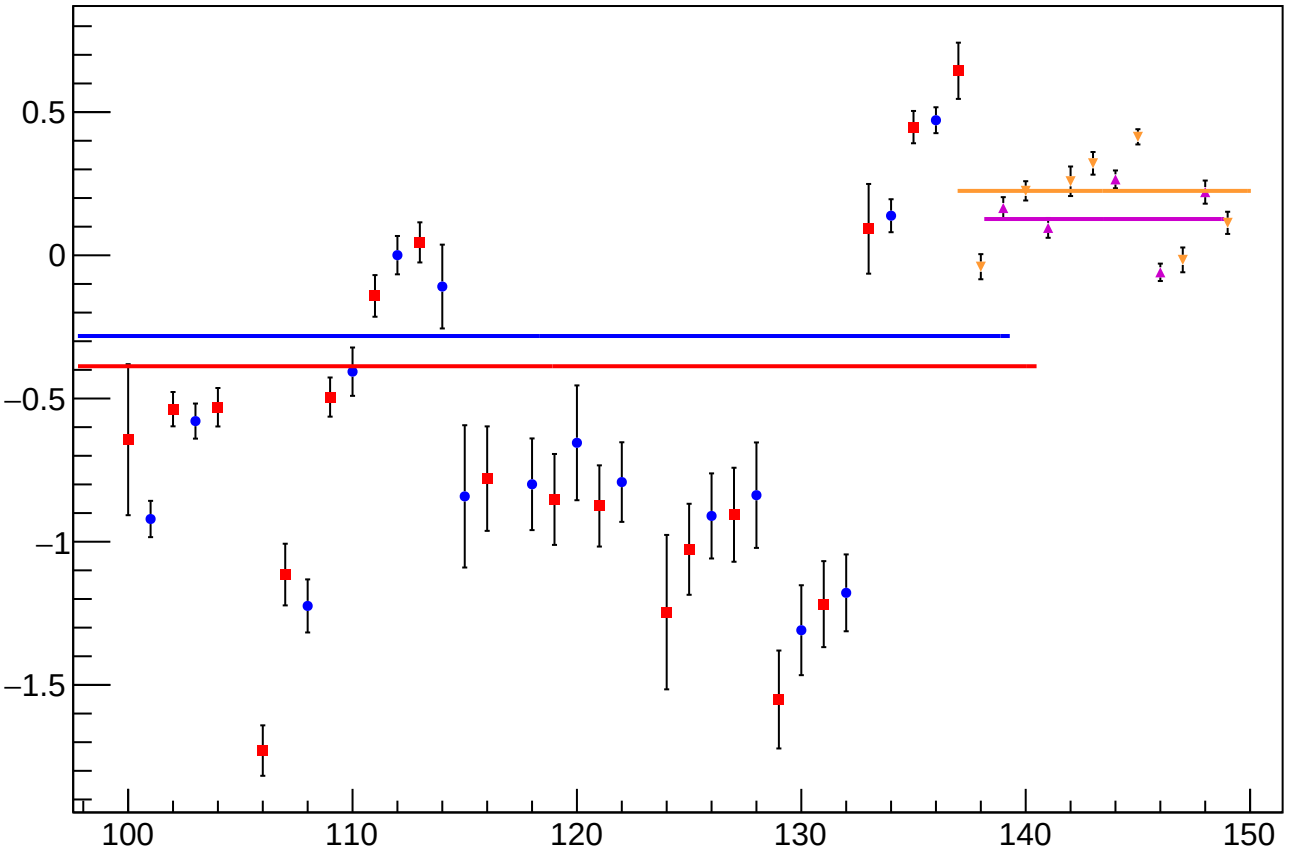
Left: 61.553+/-0.210 χ^2/NDF: 1279.4/11

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 61.214+/-0.244 χ^2/NDF:3646.7/20

Out: 60.414+/-0.234 χ^2/NDF:3704.5/25

All: 60.798+/-0.169 χ^2/NDF: 7356.8/46



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.225+/-0.014 χ^2/NDF:132.3/6

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.127+/-0.015 χ^2/NDF:64.5/4

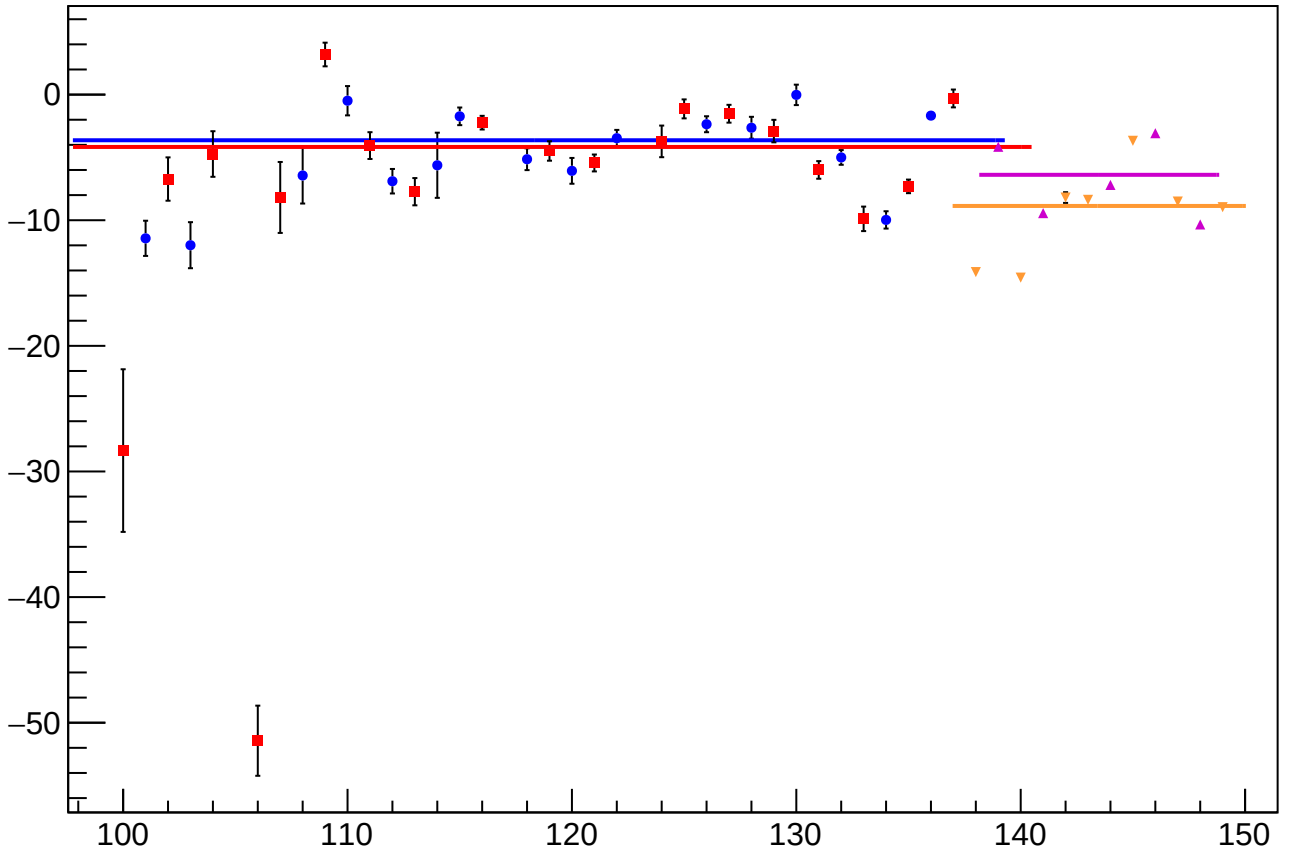
Left: 0.180+/-0.010 χ^2/NDF: 219.1/11

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.010+/-0.013 χ^2/NDF:1030.2/20

Out: 0.046+/-0.012 χ^2/NDF:1503.4/25

All: 0.019+/-0.009 χ^2/NDF: 2543.9/46



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.863+/-0.116 χ^2/NDF:1266.9/6

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: -7.712+/-0.085 χ^2/NDF: 1956.5/11

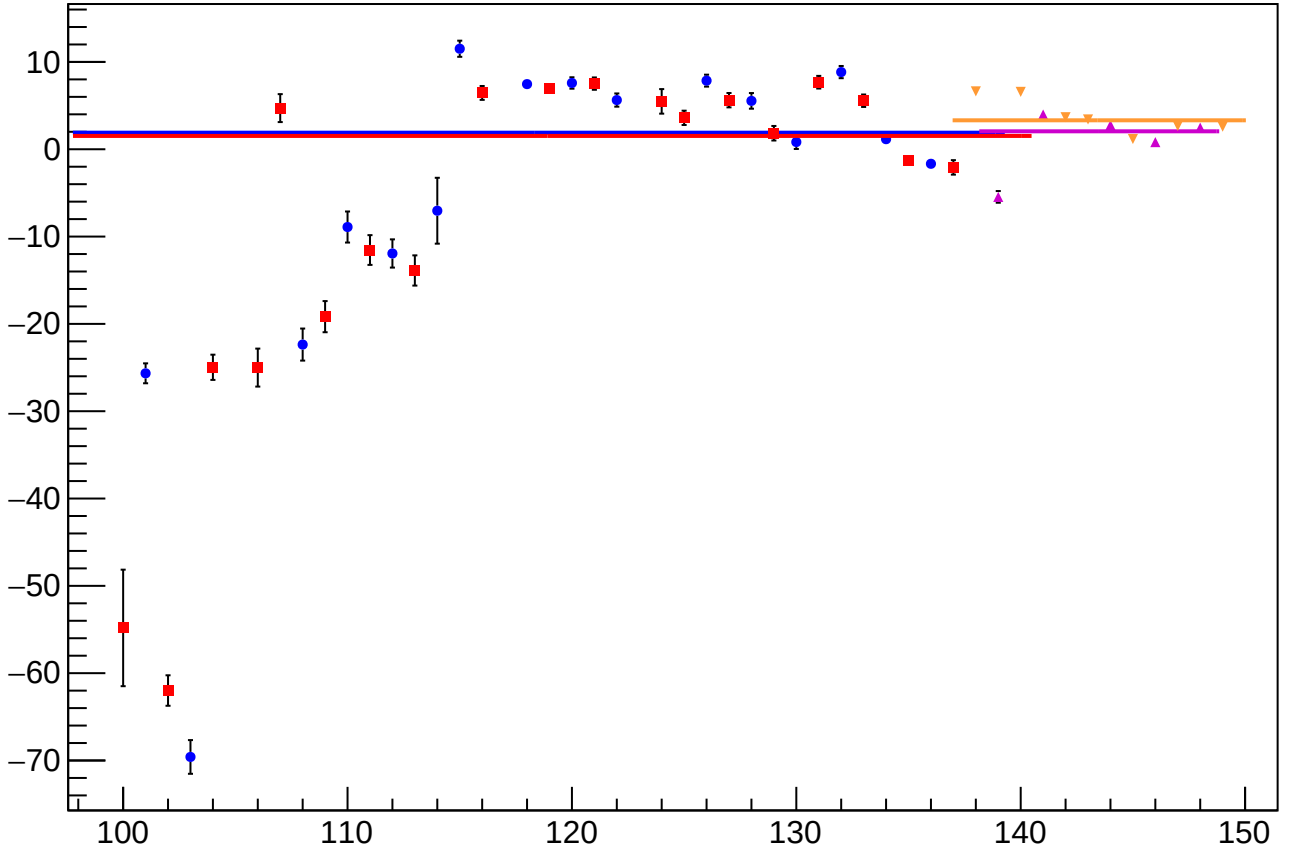
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.550+/-0.104 χ^2/NDF:860.7/20

Out: -7.673+/-0.100 χ^2/NDF:2210.6/25

All: -6.650+/-0.072 χ^2/NDF: 3286.4/46

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: 3.315+/-0.083 χ^2/NDF:487.9/6

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: 2.689+/-0.059 χ^2/NDF: 914.0/11

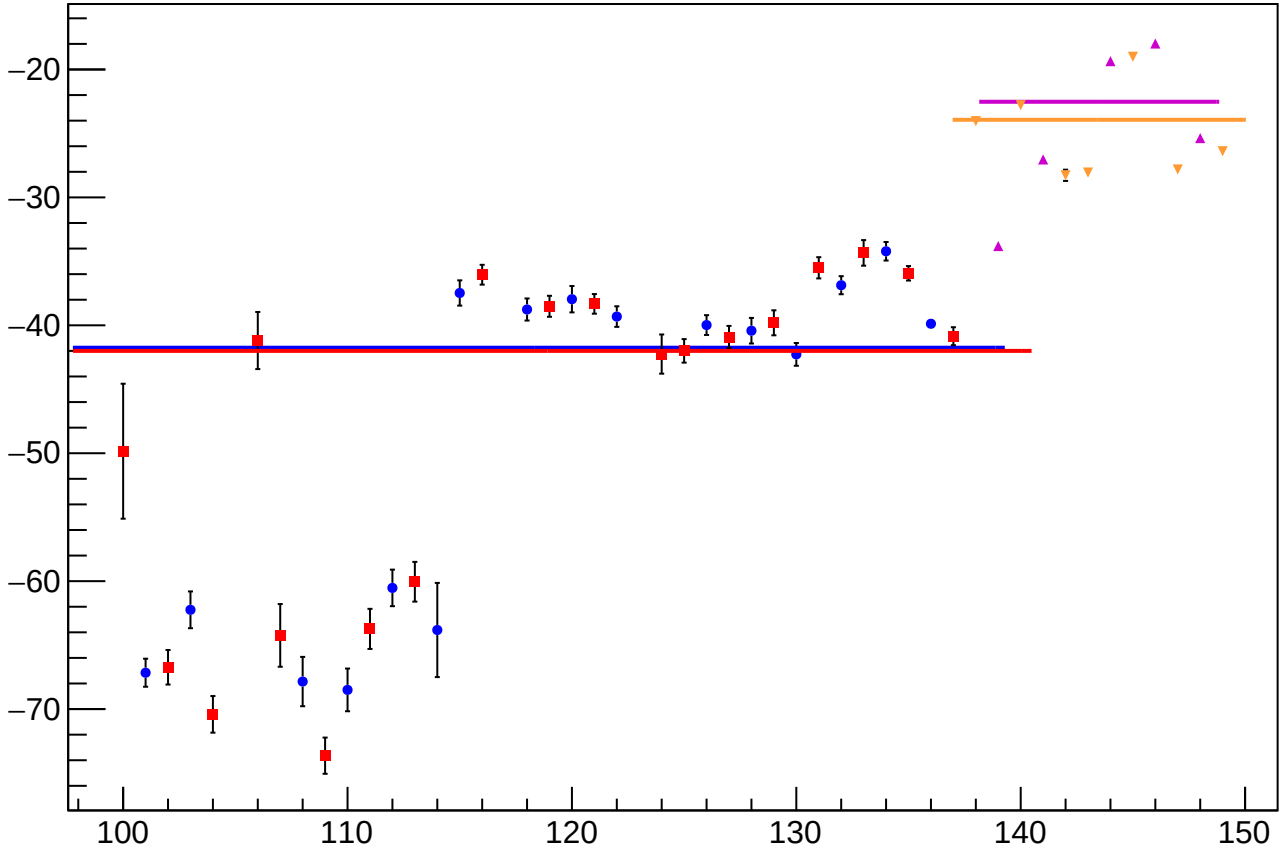
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.029+/-0.076 χ^2/NDF:3149.9/20

Out: 3.070+/-0.077 χ^2/NDF:3111.4/25

All: 2.545+/-0.054 χ^2/NDF: 6353.7/46

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.932+/-0.117 χ^2/NDF:949.5/6

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: -23.270+/-0.085 χ^2/NDF: 2776.1/11

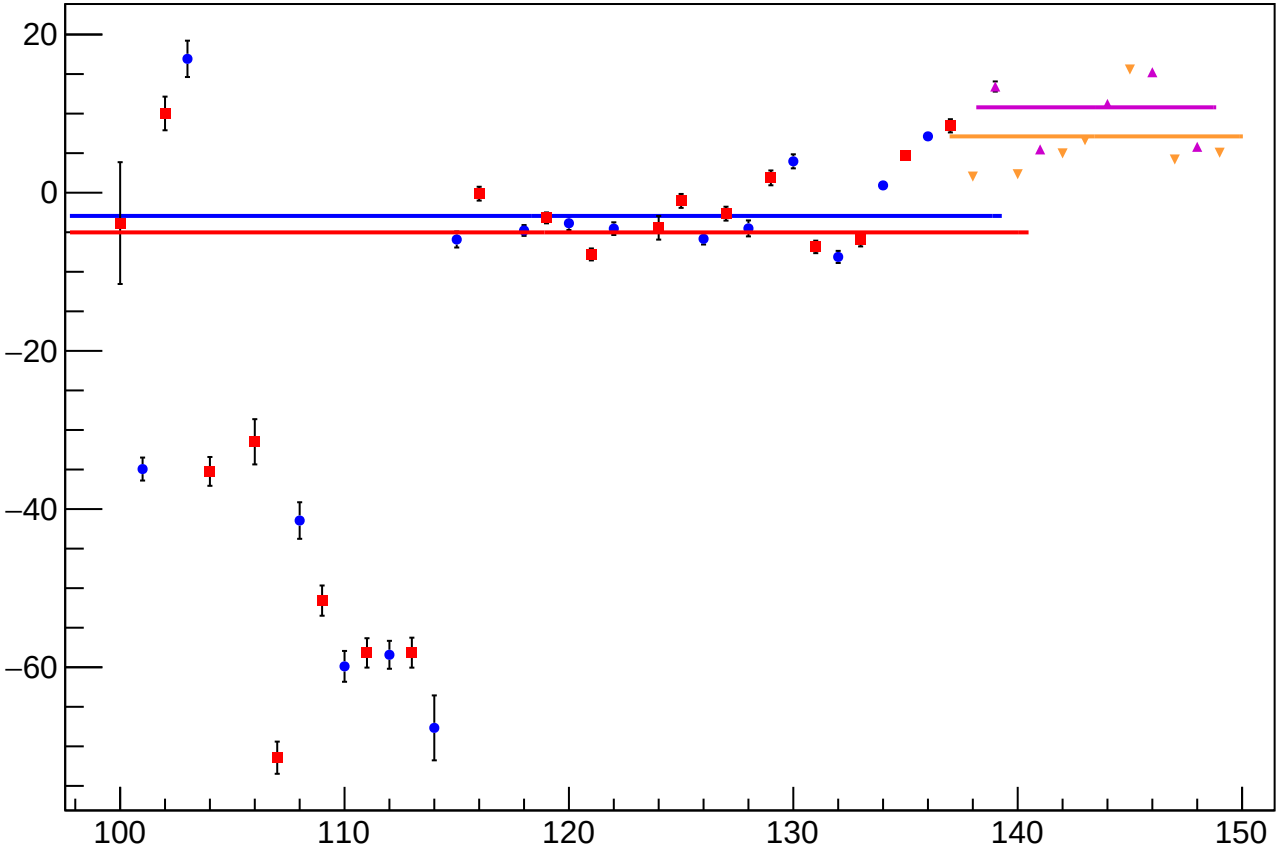
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.614+/-0.107 χ^2/NDF:9698.2/20

Out: -27.707+/-0.104 χ^2/NDF:7890.5/25

All: -27.661+/-0.075 χ^2/NDF: 17589.0/46

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: 7.119+/-0.101 χ^2/NDF:2485.9/6

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 10.795+/-0.103 χ^2/NDF:1535.1/4

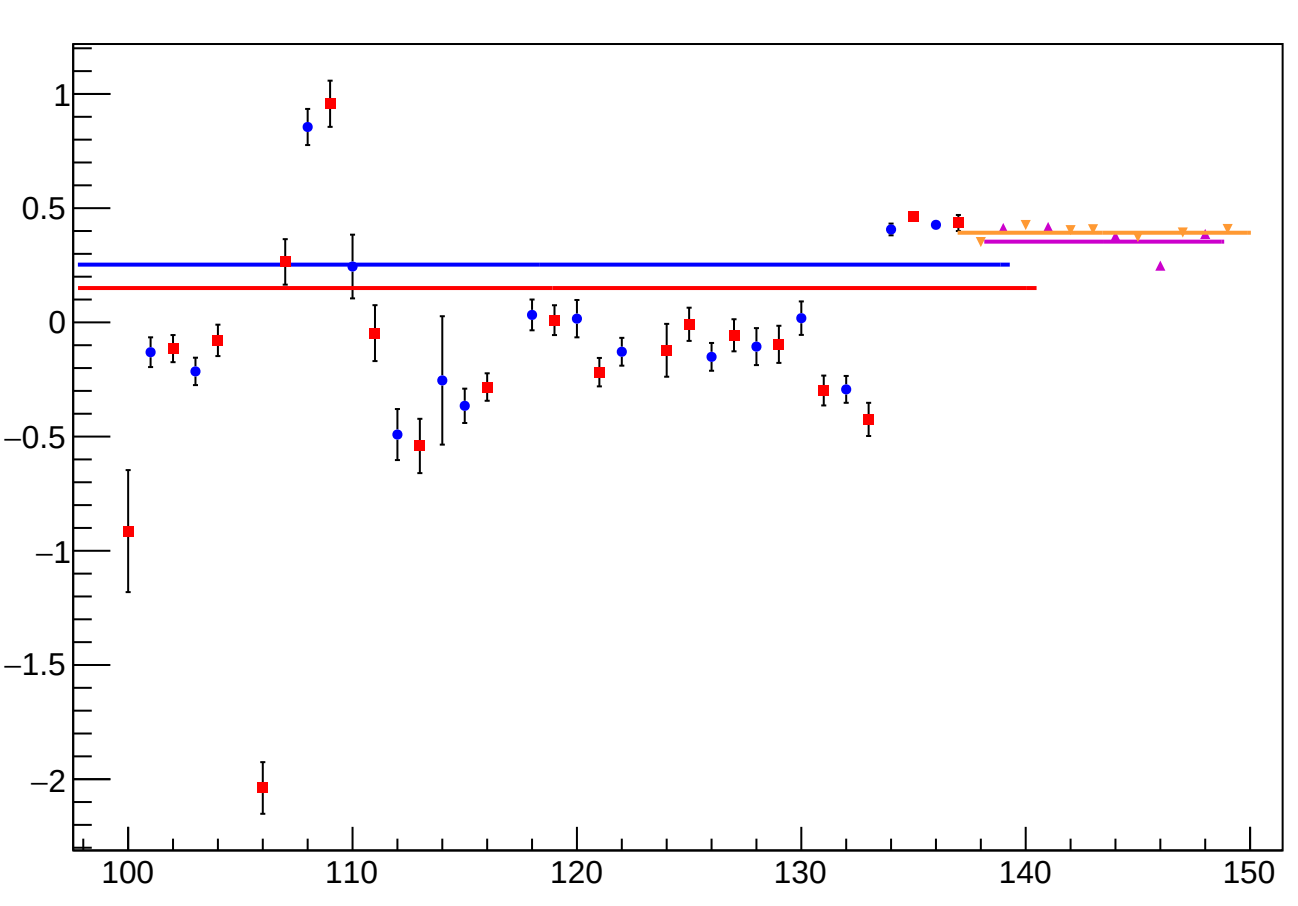
Left: 8.907+/-0.072 χ^2/NDF: 4670.2/11

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.109+/-0.093 χ^2/NDF:8710.9/20

Out: 5.194+/-0.092 χ^2/NDF:9169.9/25

All: 6.645+/-0.065 χ^2/NDF: 18377.0/46



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.392+/-0.005 χ^2/NDF:23.0/6

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.353+/-0.005 χ^2/NDF:175.9/4

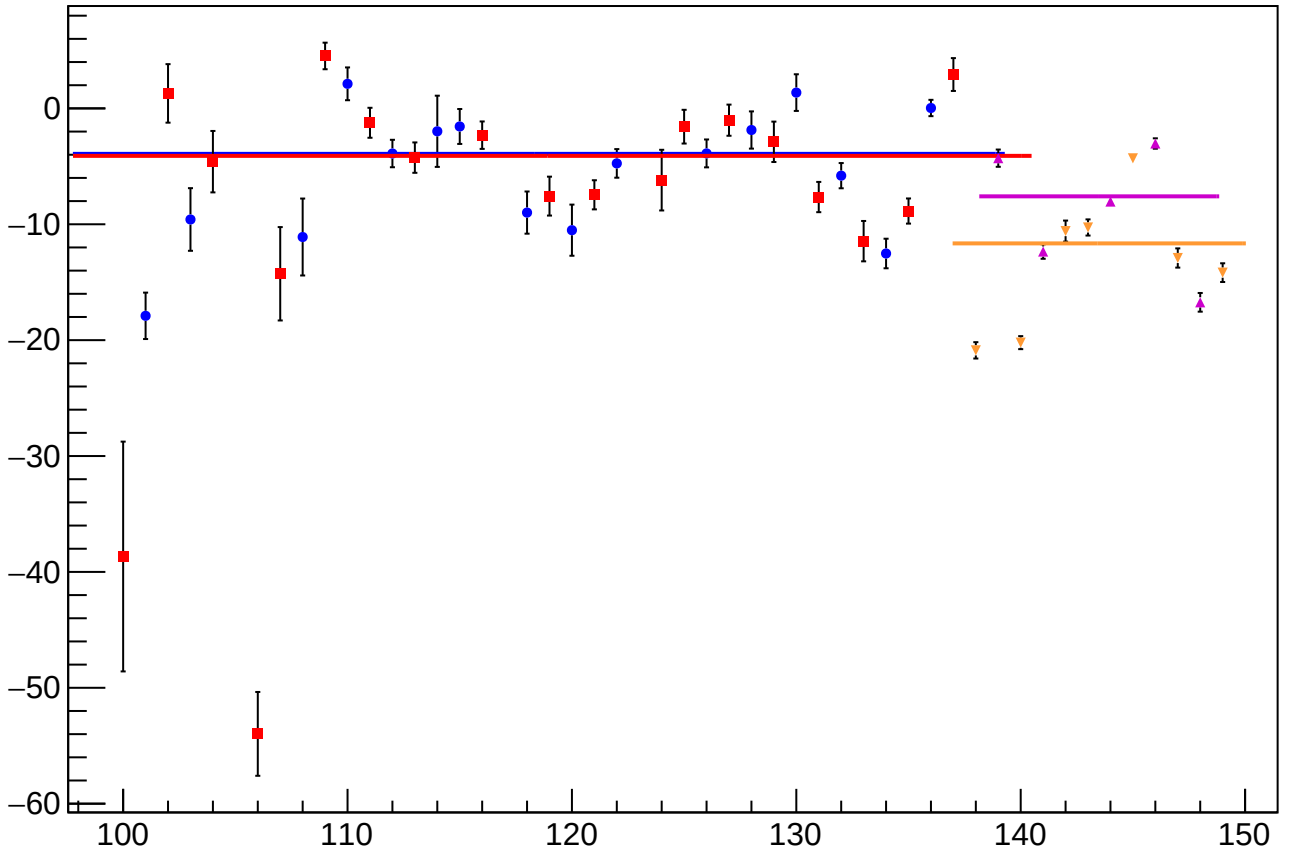
Left: 0.374+/-0.004 χ^2/NDF: 228.7/11

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.336+/-0.005 χ^2/NDF:870.6/20

Out: 0.364+/-0.005 χ^2/NDF:1330.9/25

All: 0.350+/-0.003 χ^2/NDF: 2219.0/46



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.650+/-0.236 χ^2/NDF:768.8/6

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: -9.715+/-0.171 χ^2/NDF: 1220.6/11

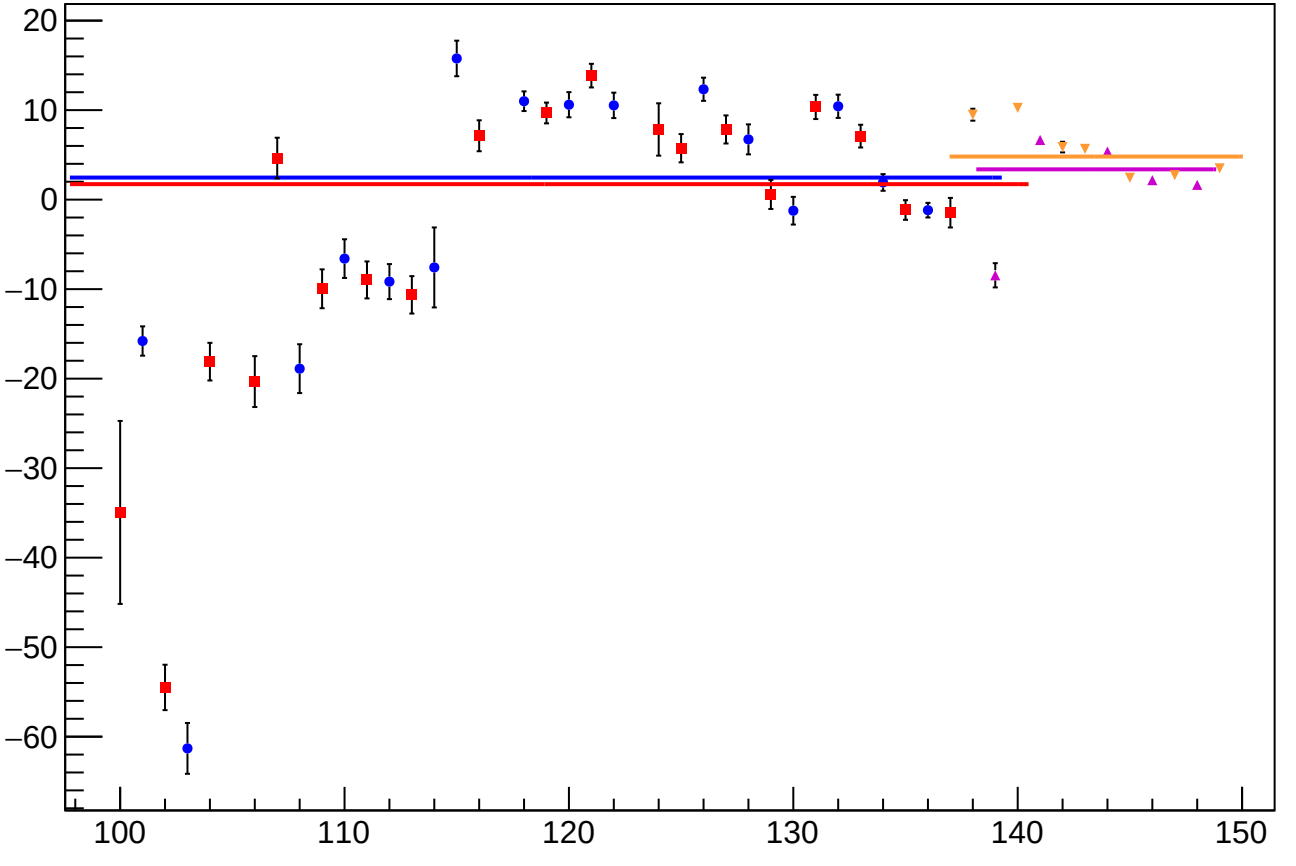
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -6.347+/-0.201 χ^2/NDF:574.3/20

Out: -9.345+/-0.197 χ^2/NDF:1447.1/25

All: -7.879+/-0.141 χ^2/NDF: 2134.5/46

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: 4.812+/-0.171 χ^2/NDF:284.9/6

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.383+/-0.165 χ^2/NDF:210.0/4

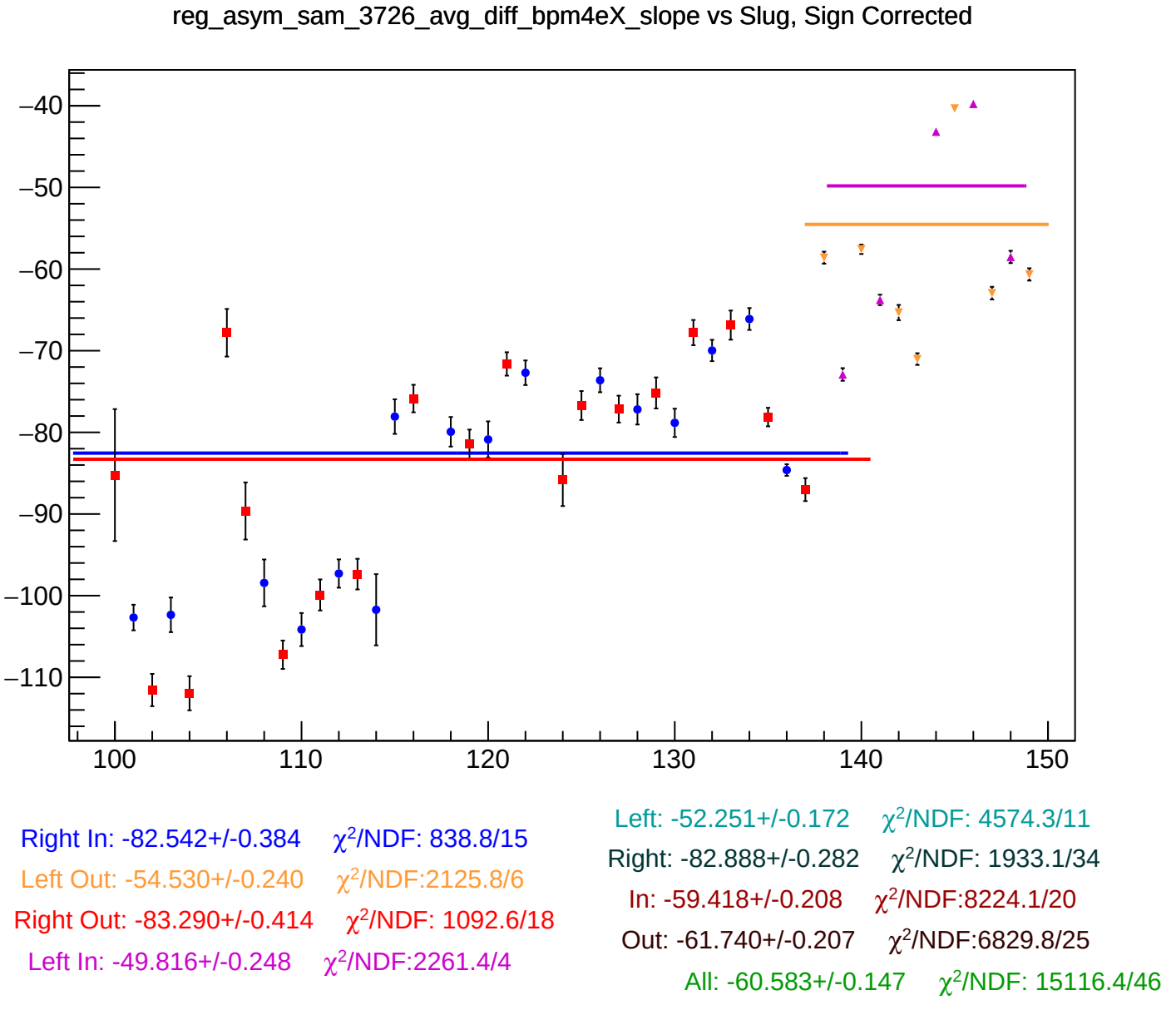
Left: 4.074+/-0.119 χ^2/NDF: 531.0/11

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

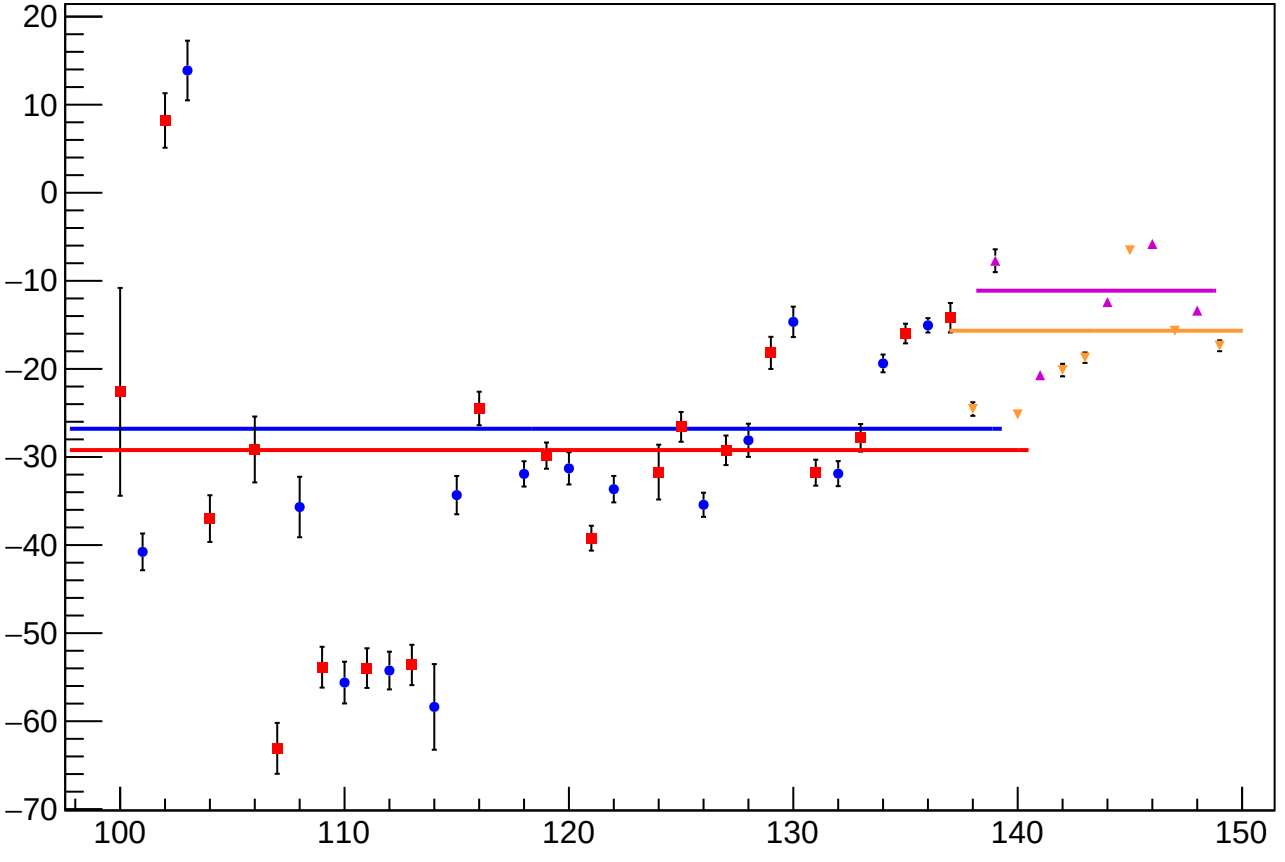
In: 3.221+/-0.150 χ^2/NDF:1262.2/20

Out: 4.307+/-0.156 χ^2/NDF:1321.4/25

All: 3.742+/-0.108 χ^2/NDF: 2608.7/46


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -54.530+/-0.240 χ²/NDF:2125.8/6
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -49.816+/-0.248 χ²/NDF:2261.4/4
Left: -52.251+/-0.172 χ²/NDF: 4574.3/11
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -59.418+/-0.208 χ²/NDF:8224.1/20
Out: -61.740+/-0.207 χ²/NDF:6829.8/25
All: -60.583+/-0.147 χ²/NDF: 15116.4/46

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: -15.663+/-0.207 χ^2/NDF:1114.4/6

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: -13.369+/-0.146 χ^2/NDF: 1965.1/11

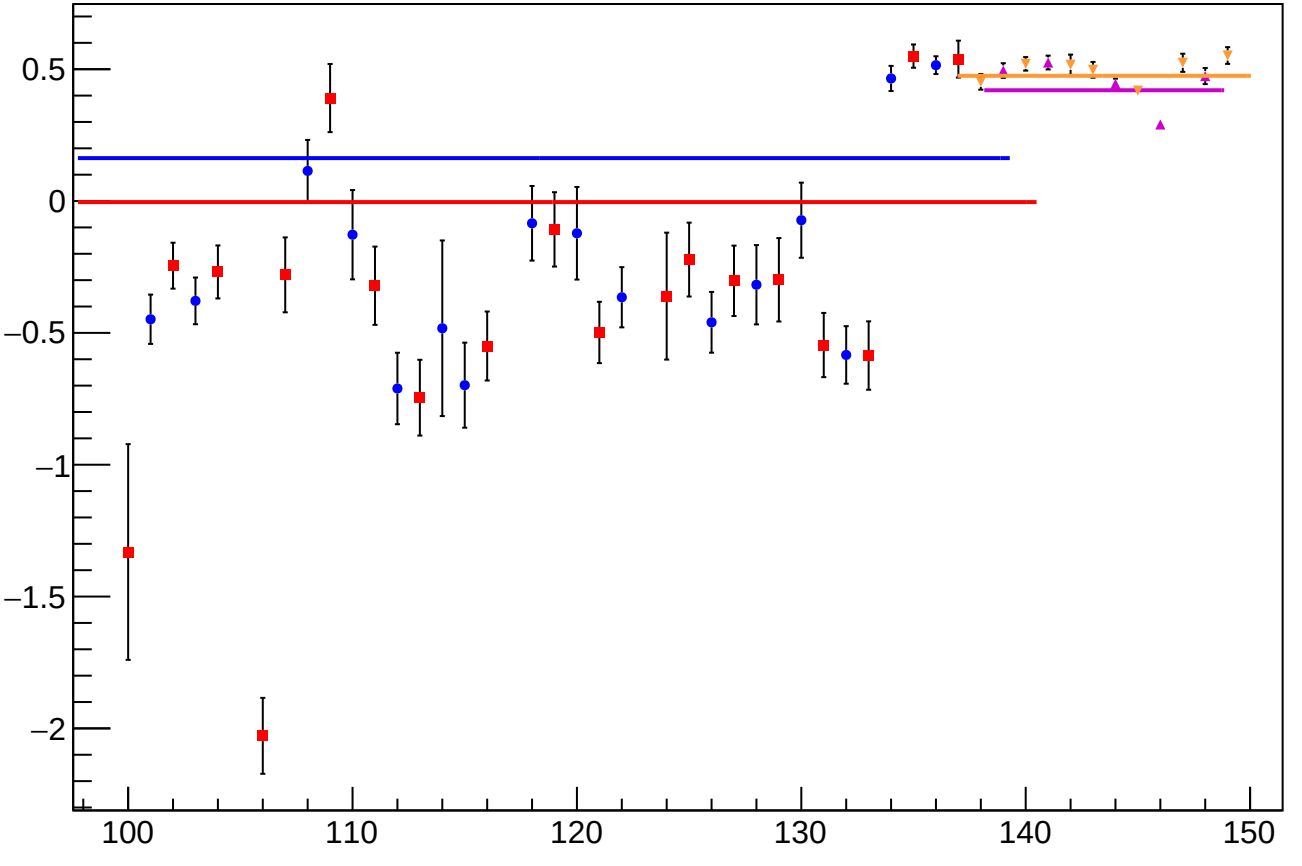
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.431+/-0.182 χ^2/NDF:2808.9/20

Out: -18.197+/-0.186 χ^2/NDF:2878.7/25

All: -16.268+/-0.130 χ^2/NDF: 5896.6/46

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: 0.475+/-0.010 χ^2/NDF:25.5/6

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.420+/-0.010 χ^2/NDF:76.0/4

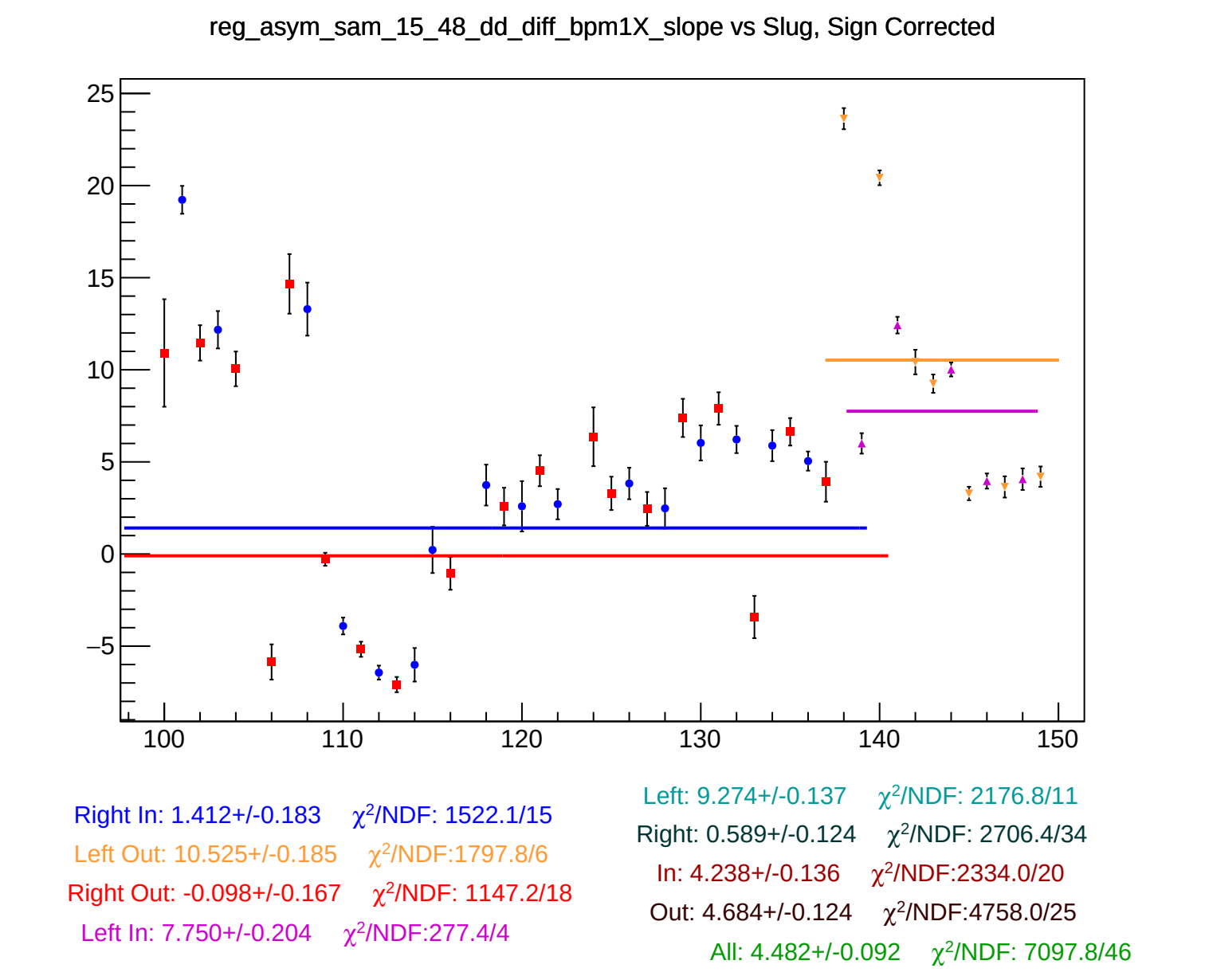
Left: 0.449+/-0.007 χ^2/NDF: 116.1/11

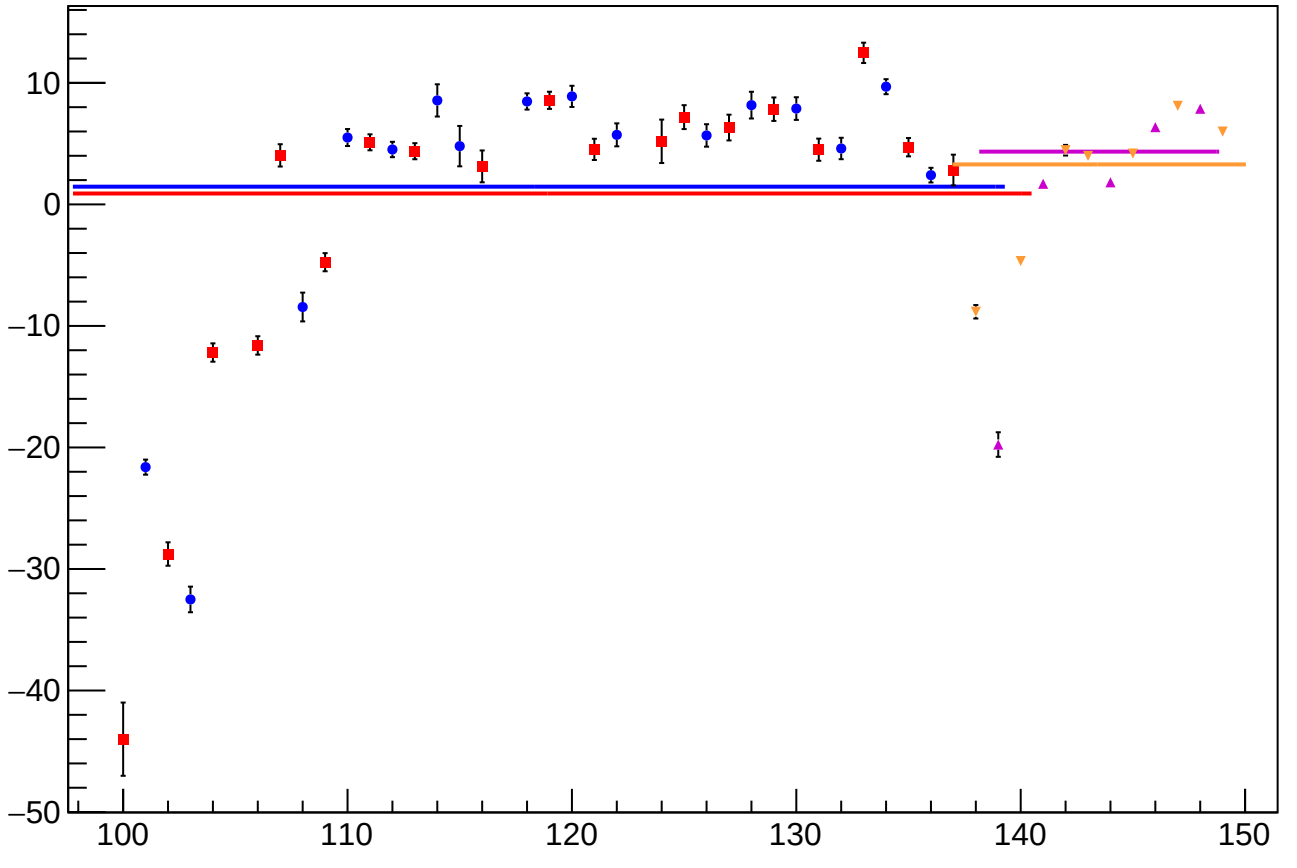
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.371+/-0.009 χ^2/NDF:615.7/20

Out: 0.407+/-0.009 χ^2/NDF:929.0/25

All: 0.389+/-0.007 χ^2/NDF: 1552.1/46


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: 10.525+/-0.185 χ²/NDF:1797.8/6
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 7.750+/-0.204 χ²/NDF:277.4/4
Left: 9.274+/-0.137 χ²/NDF: 2176.8/11
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 4.238+/-0.136 χ²/NDF:2334.0/20
Out: 4.684+/-0.124 χ²/NDF:4758.0/25
All: 4.482+/-0.092 χ²/NDF: 7097.8/46



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.289+/-0.131 χ^2/NDF:1458.7/6

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: 3.792+/-0.095 χ^2/NDF: 2436.9/11

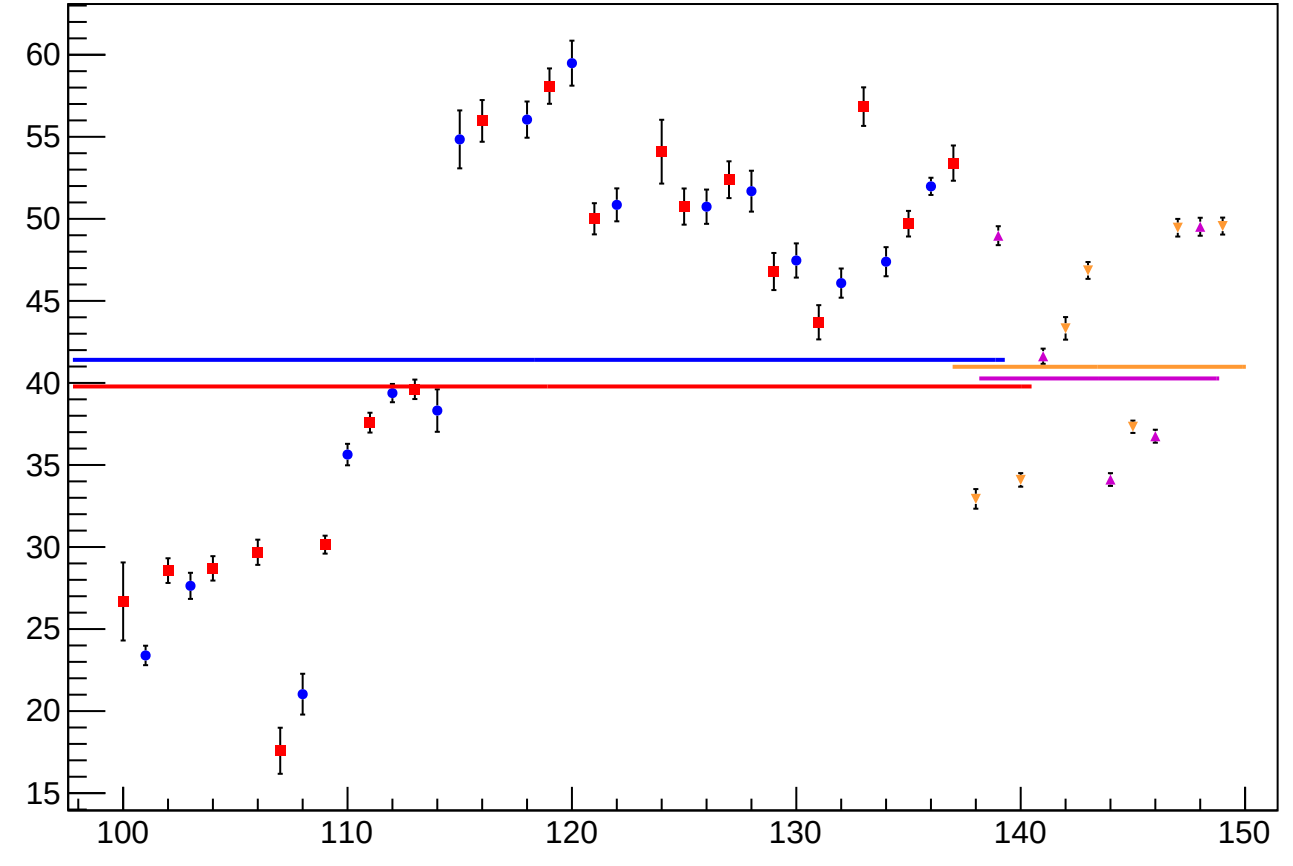
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.444+/-0.114 χ^2/NDF:4165.8/20

Out: 2.583+/-0.110 χ^2/NDF:3934.6/25

All: 2.999+/-0.079 χ^2/NDF: 8130.2/46

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: 40.984+/-0.186 χ^2/NDF:1218.3/6

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: 40.661+/-0.138 χ^2/NDF: 2076.0/11

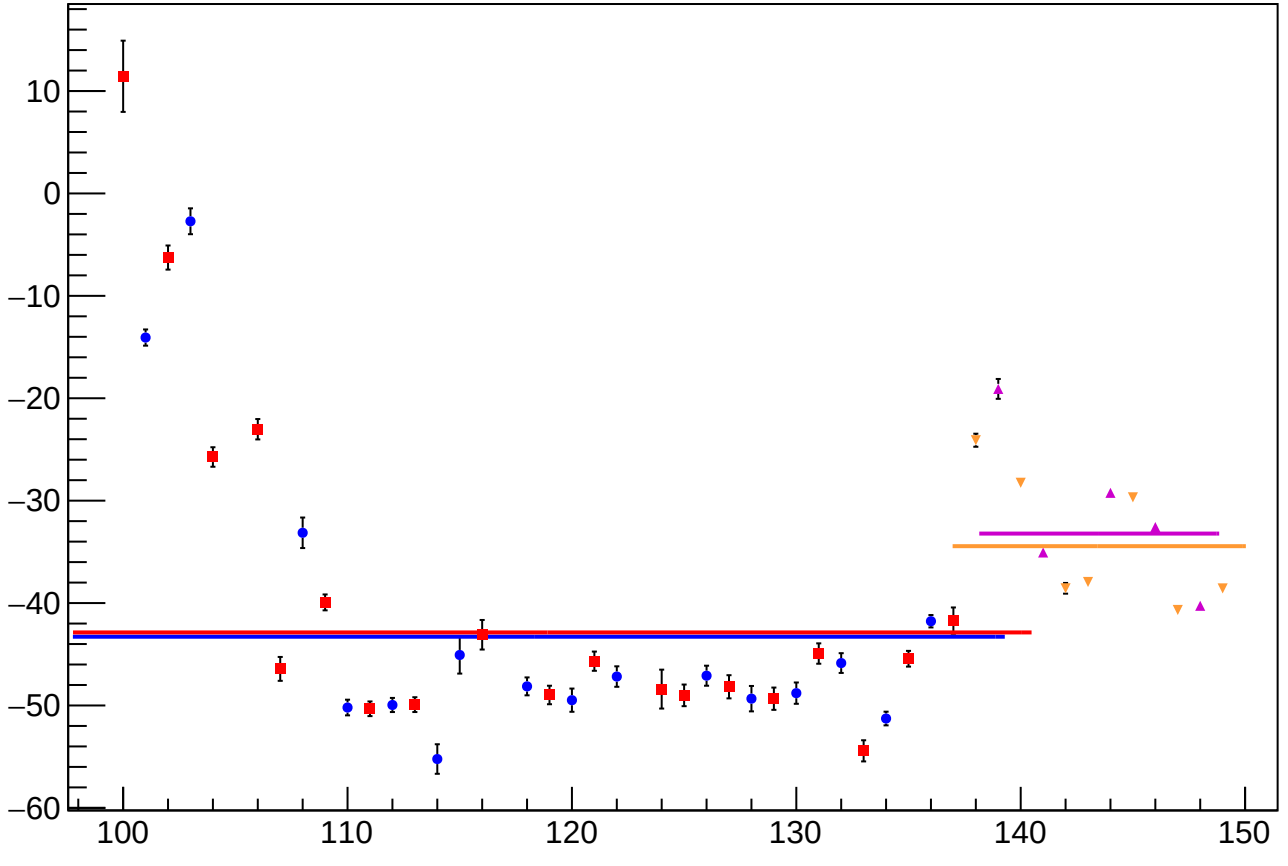
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.822+/-0.147 χ^2/NDF:3612.1/20

Out: 40.435+/-0.137 χ^2/NDF:3891.1/25

All: 40.616+/-0.100 χ^2/NDF: 7506.9/46

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: -34.445+/-0.159 χ^2/NDF:1210.1/6

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.215+/-0.170 χ^2/NDF:721.6/4

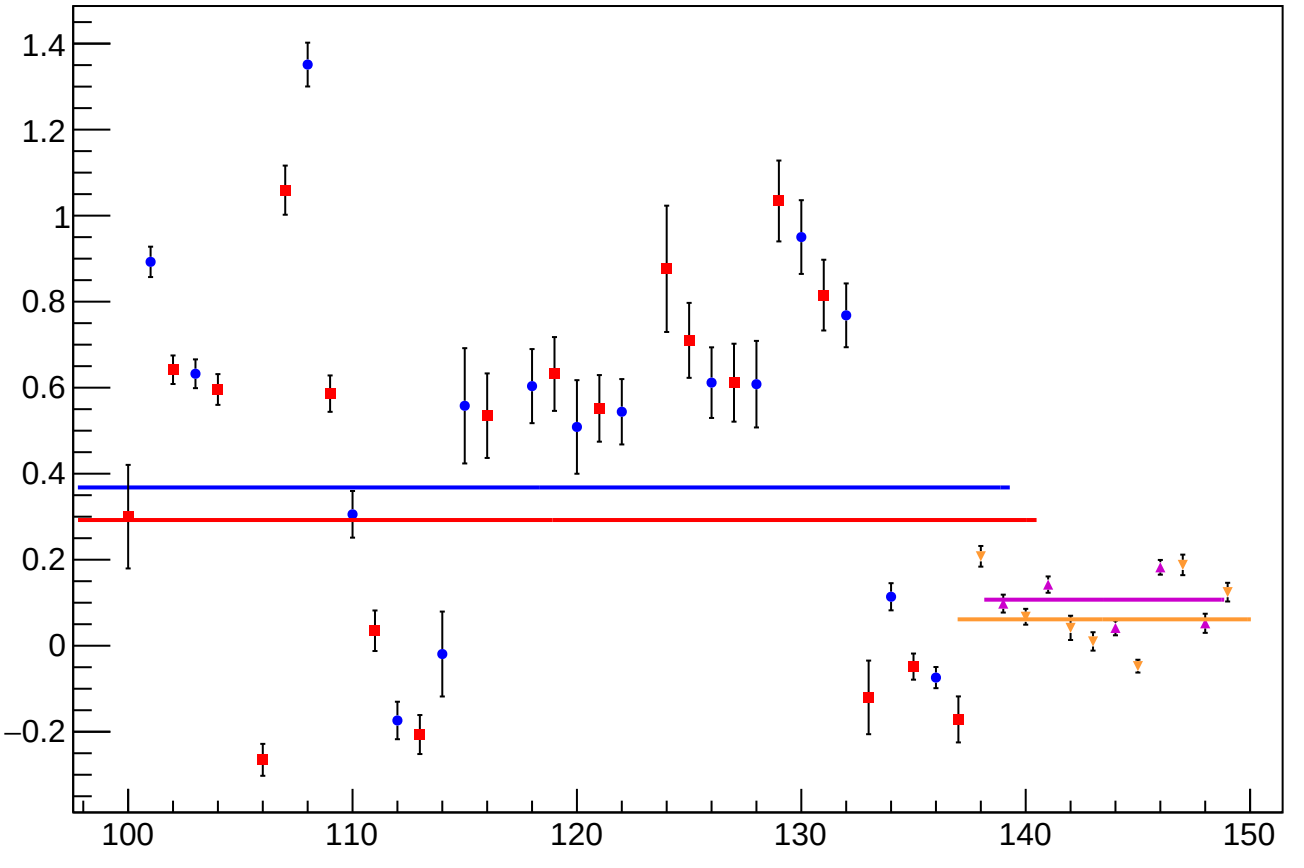
Left: -33.869+/-0.116 χ^2/NDF: 1959.5/11

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.785+/-0.137 χ^2/NDF:4951.6/20

Out: -37.192+/-0.131 χ^2/NDF:4575.5/25

All: -36.997+/-0.094 χ^2/NDF: 9531.8/46



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.061+/-0.008 χ^2/NDF:133.5/6

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: 0.082+/-0.006 χ^2/NDF: 192.8/11

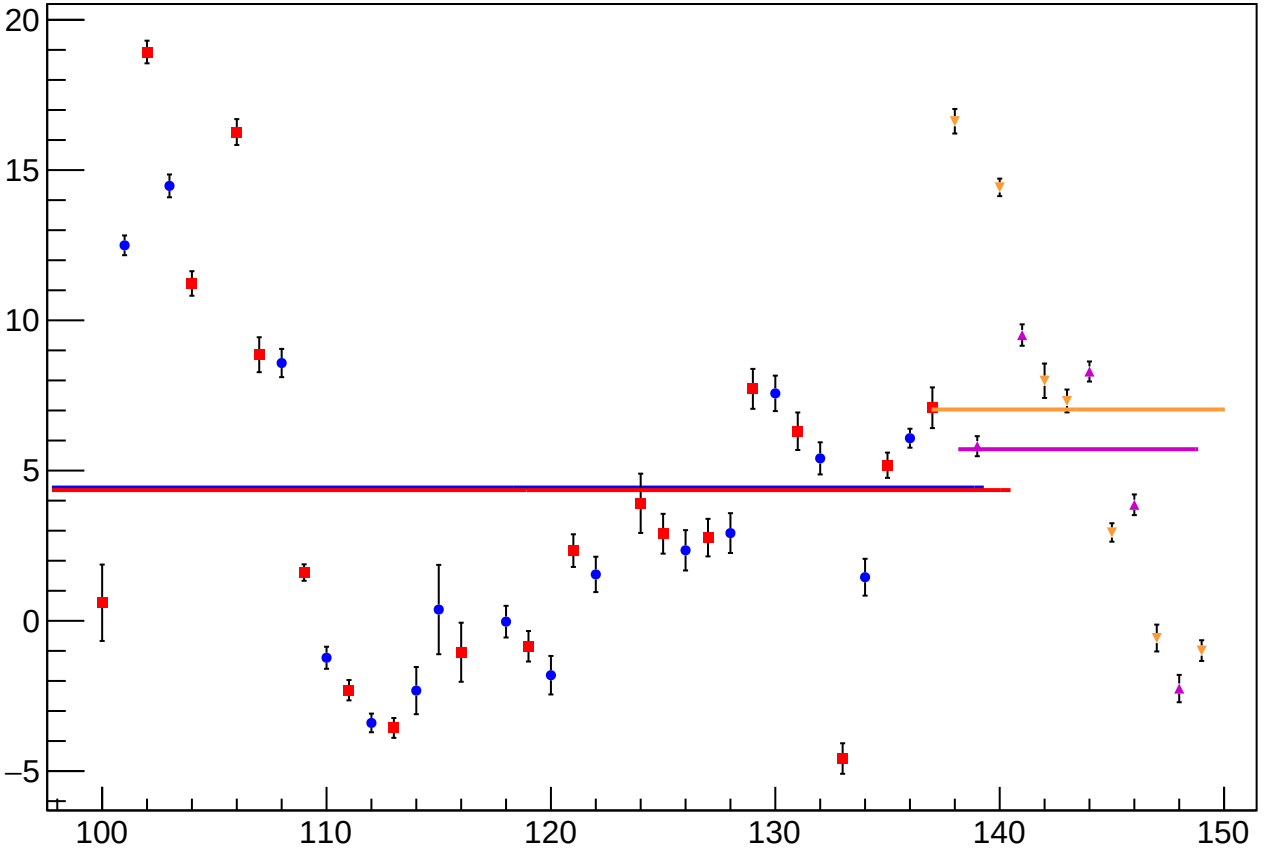
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.192+/-0.007 χ^2/NDF:1672.9/20

Out: 0.129+/-0.007 χ^2/NDF:1590.2/25

All: 0.159+/-0.005 χ^2/NDF: 3306.7/46

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: 7.033+/-0.139 χ^2/NDF:2208.4/6

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: 6.464+/-0.105 χ^2/NDF: 2756.0/11

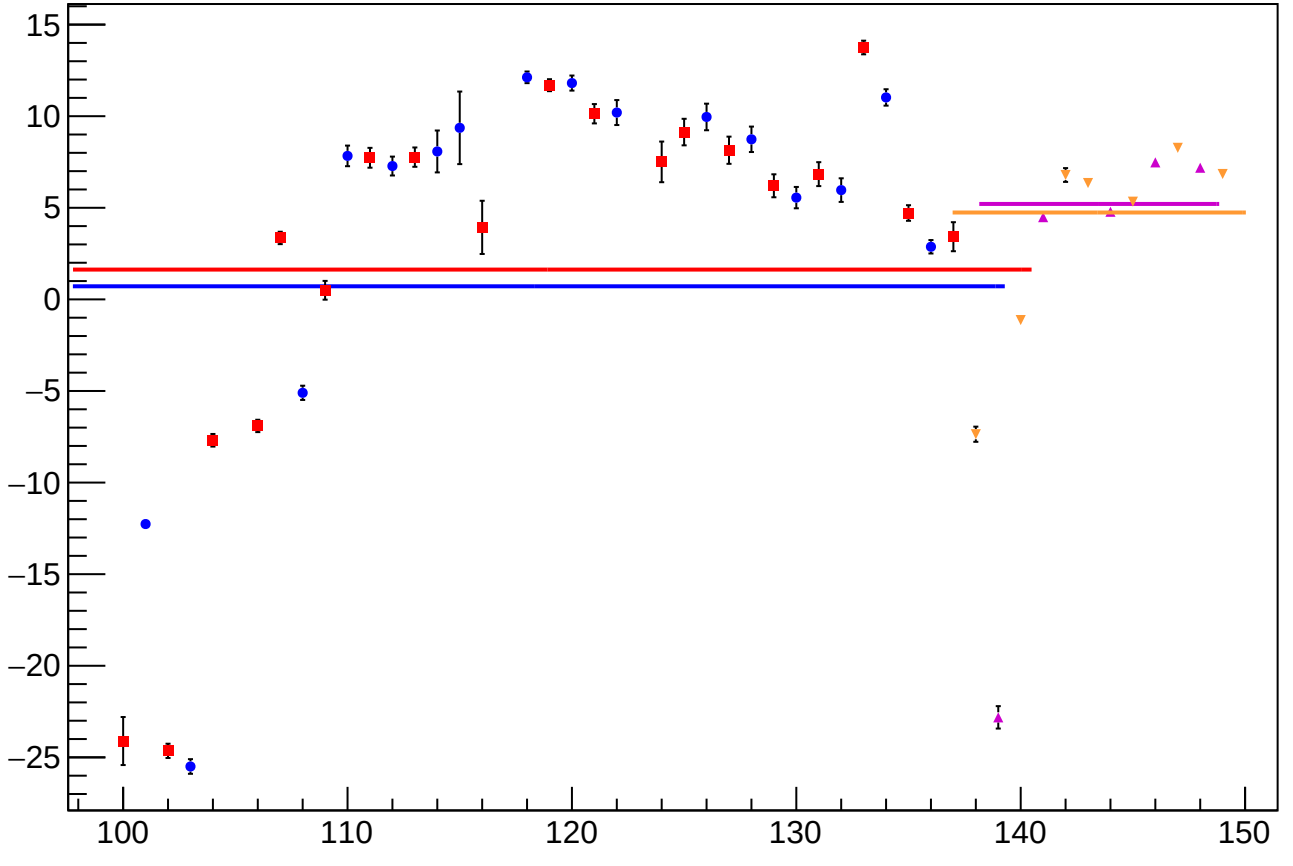
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.880+/-0.094 χ^2/NDF:3172.2/20

Out: 5.374+/-0.086 χ^2/NDF:6644.2/25

All: 5.150+/-0.063 χ^2/NDF: 9831.4/46

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: 4.743+/-0.099 χ^2/NDF:1877.1/6

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.210+/-0.114 χ^2/NDF:2306.5/4

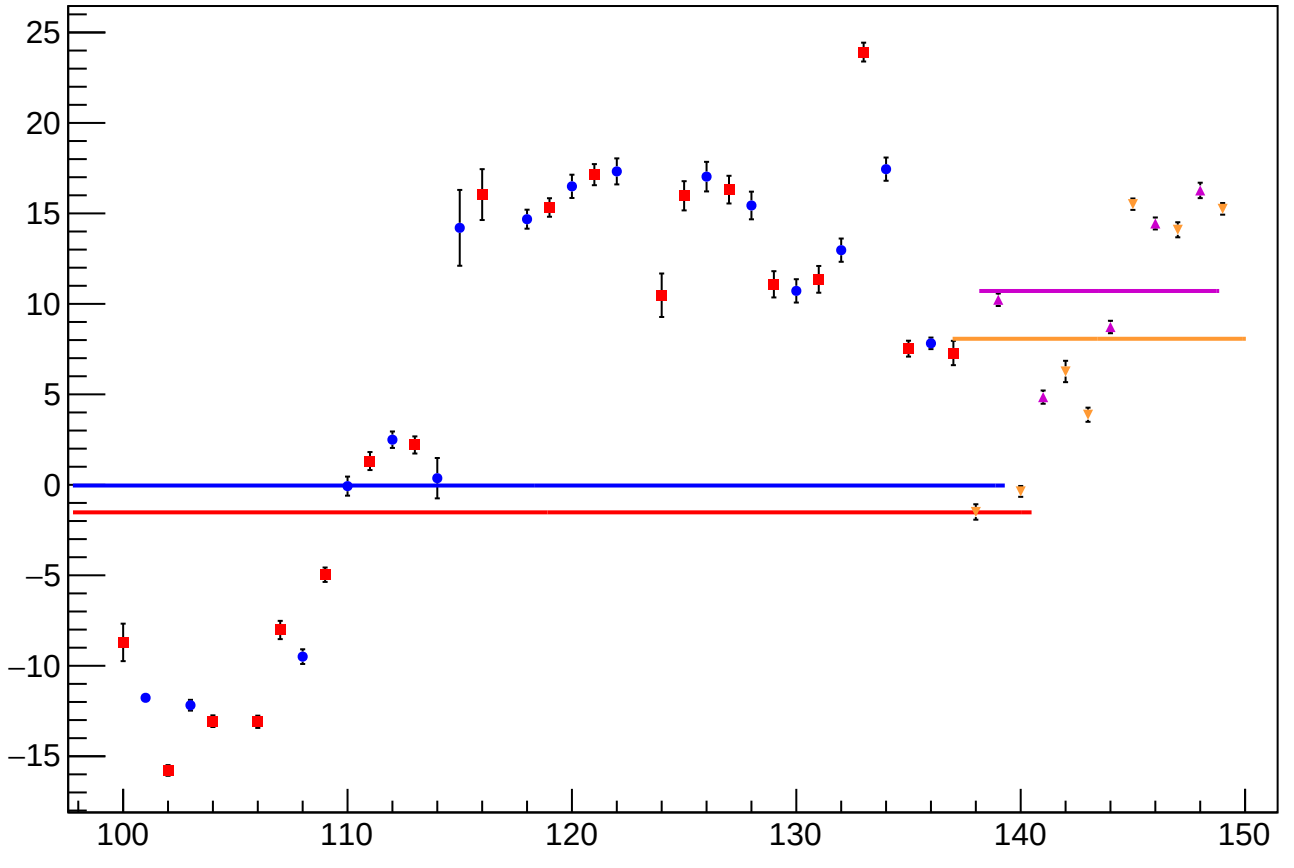
Left: 4.944+/-0.075 χ^2/NDF: 4193.2/11

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.001+/-0.081 χ^2/NDF:13525.3/20

Out: 3.359+/-0.074 χ^2/NDF:11570.3/25

All: 3.197+/-0.055 χ^2/NDF: 25106.2/46



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.072+/-0.139 χ^2/NDF:2683.9/6

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.713+/-0.160 χ^2/NDF:589.3/4

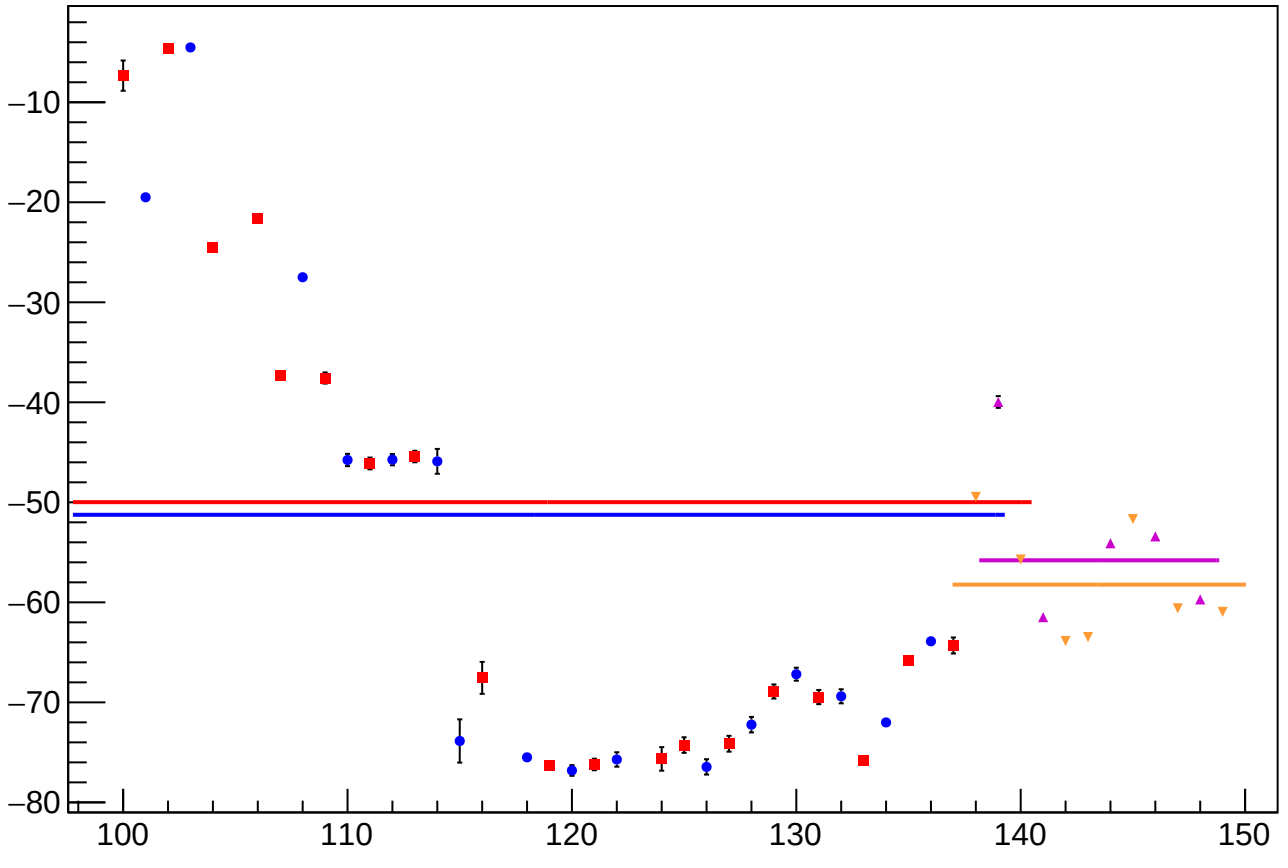
Left: 9.208+/-0.105 χ^2/NDF: 3427.7/11

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.794+/-0.096 χ^2/NDF:12755.4/20

Out: 2.370+/-0.089 χ^2/NDF:17632.6/25

All: 3.028+/-0.065 χ^2/NDF: 30507.0/46



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.230+/-0.120 χ^2/NDF:1515.1/6

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -55.796+/-0.140 χ^2/NDF:1346.4/4

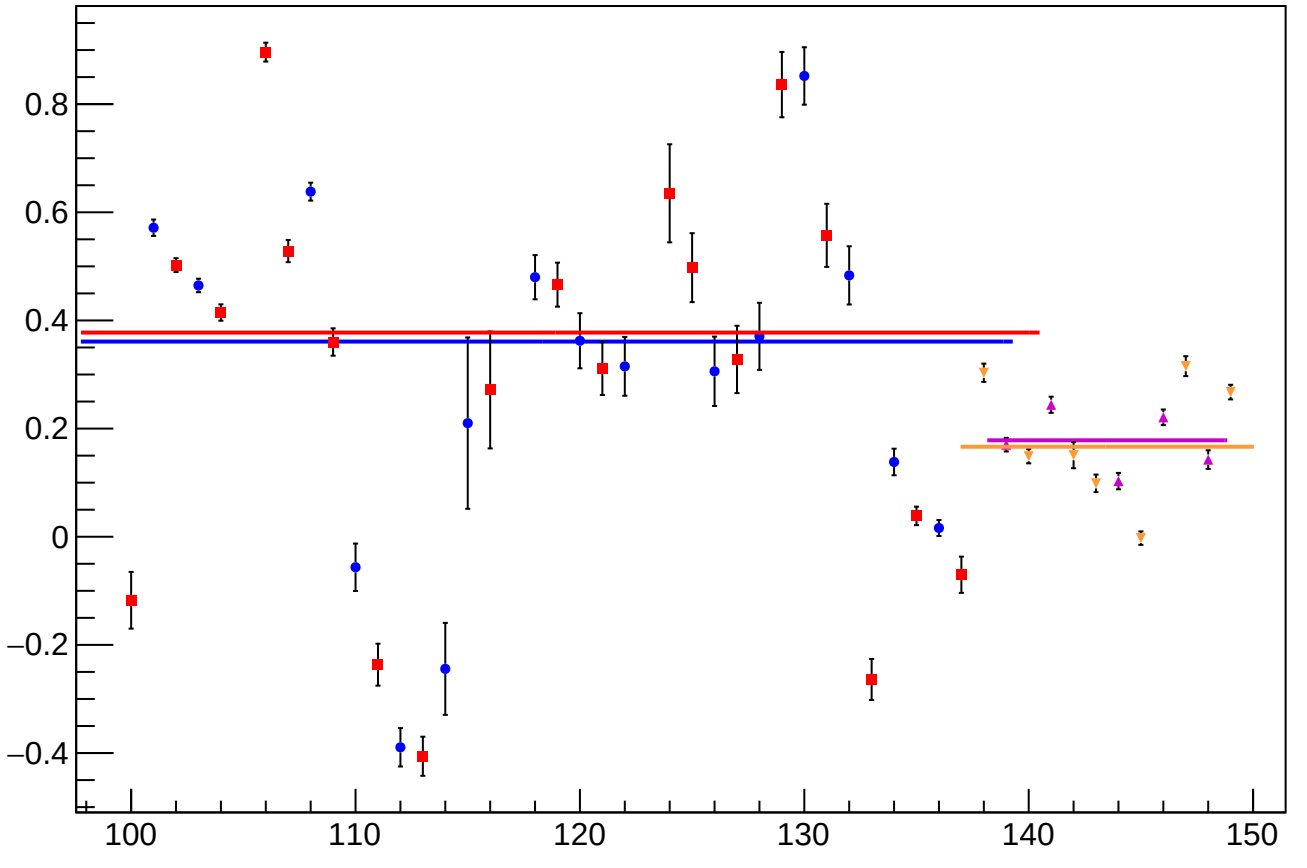
Left: -57.194+/-0.091 χ^2/NDF: 3035.1/11

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -53.450+/-0.097 χ^2/NDF:35655.8/20

Out: -54.440+/-0.089 χ^2/NDF:37560.0/25

All: -53.992+/-0.066 χ^2/NDF: 73272.3/46



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.166+/-0.006 χ^2/NDF:390.3/6

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.178+/-0.007 χ^2/NDF:57.6/4

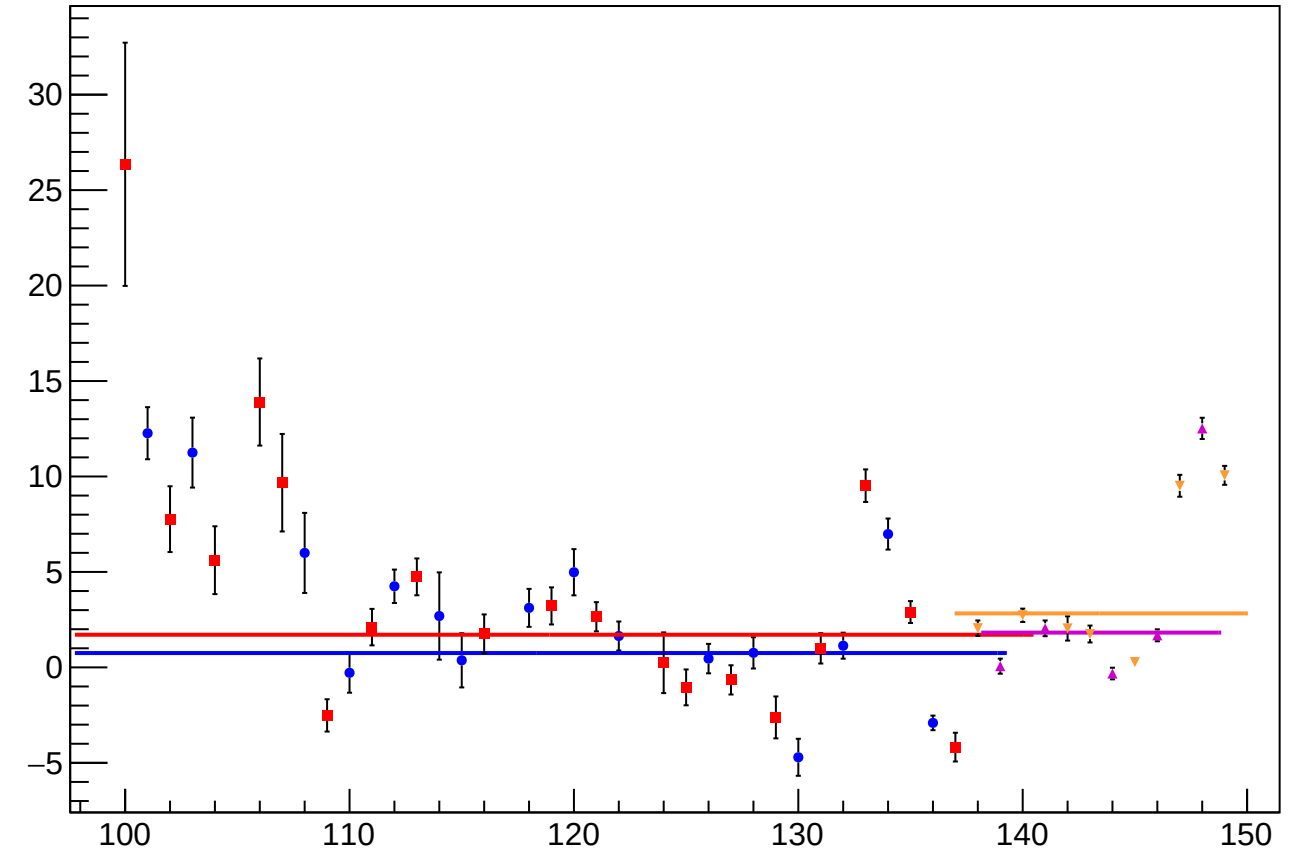
Left: 0.172+/-0.004 χ^2/NDF: 449.7/11

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:3807.2/25

All: 0.269+/-0.003 χ^2/NDF: 6125.4/46



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.827+/-0.152 χ^2/NDF:454.1/6

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: 2.368+/-0.112 χ^2/NDF: 913.3/11

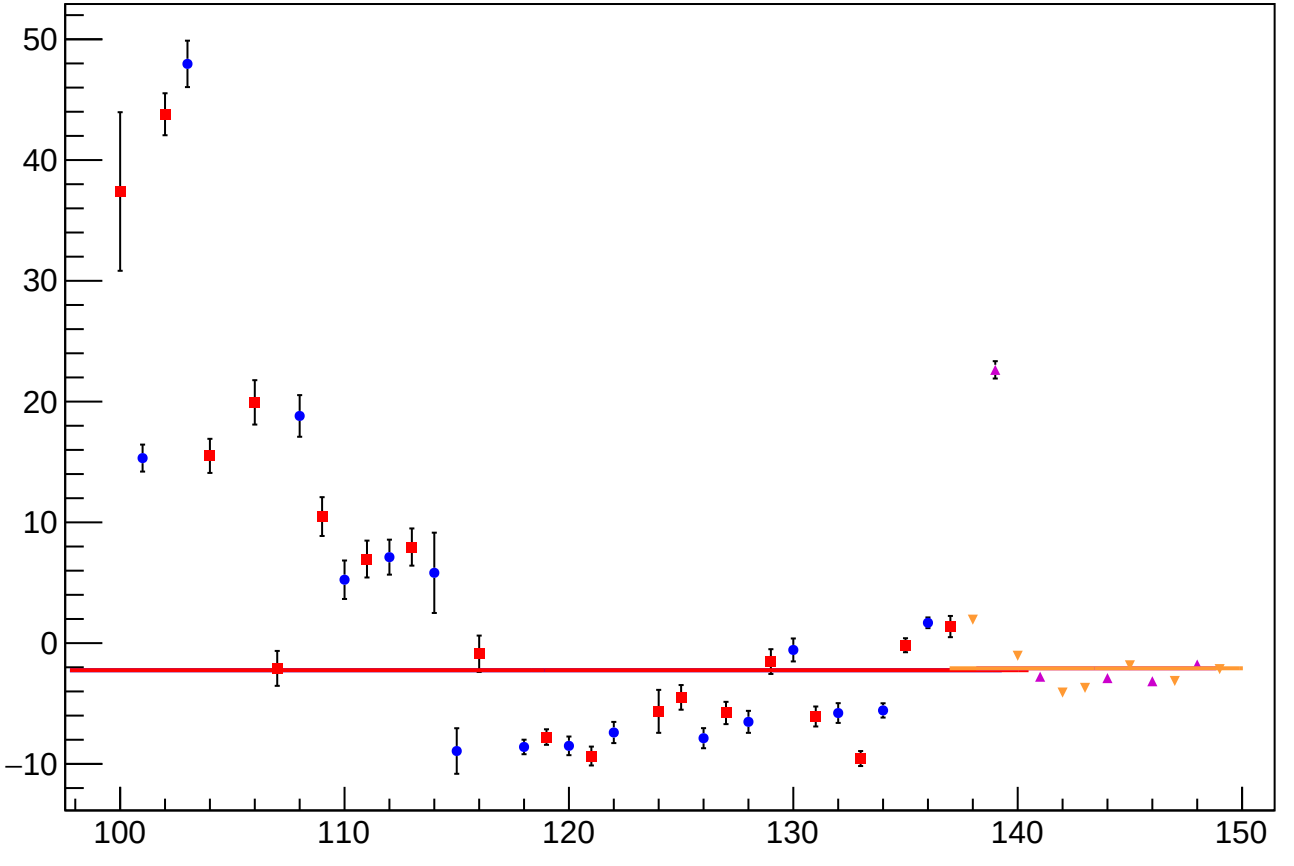
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 1.418+/-0.131 χ^2/NDF:785.1/20

Out: 2.473+/-0.125 χ^2/NDF:765.1/25

All: 1.966+/-0.090 χ^2/NDF: 1584.2/46

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: -2.083+/-0.112 χ^2/NDF:182.4/6

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.086+/-0.116 χ^2/NDF:1235.2/4

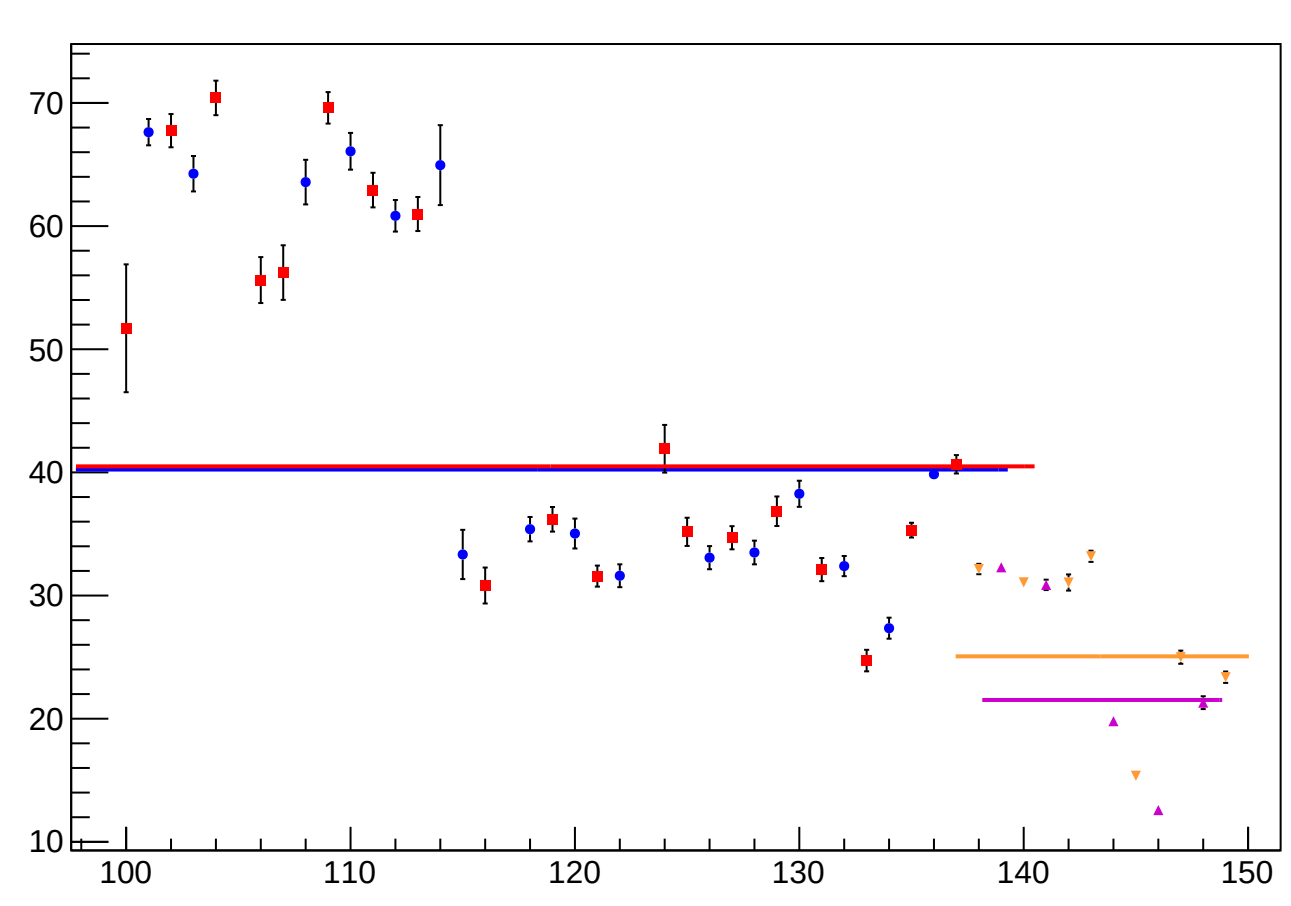
Left: -2.084+/-0.081 χ^2/NDF: 1417.6/11

Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.122+/-0.102 χ^2/NDF:2808.2/20

Out: -2.113+/-0.101 χ^2/NDF:1738.4/25

All: -2.117+/-0.072 χ^2/NDF: 4546.6/46



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.063+/-0.154 χ^2/NDF:2250.4/6

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.522+/-0.166 χ^2/NDF:2087.0/4

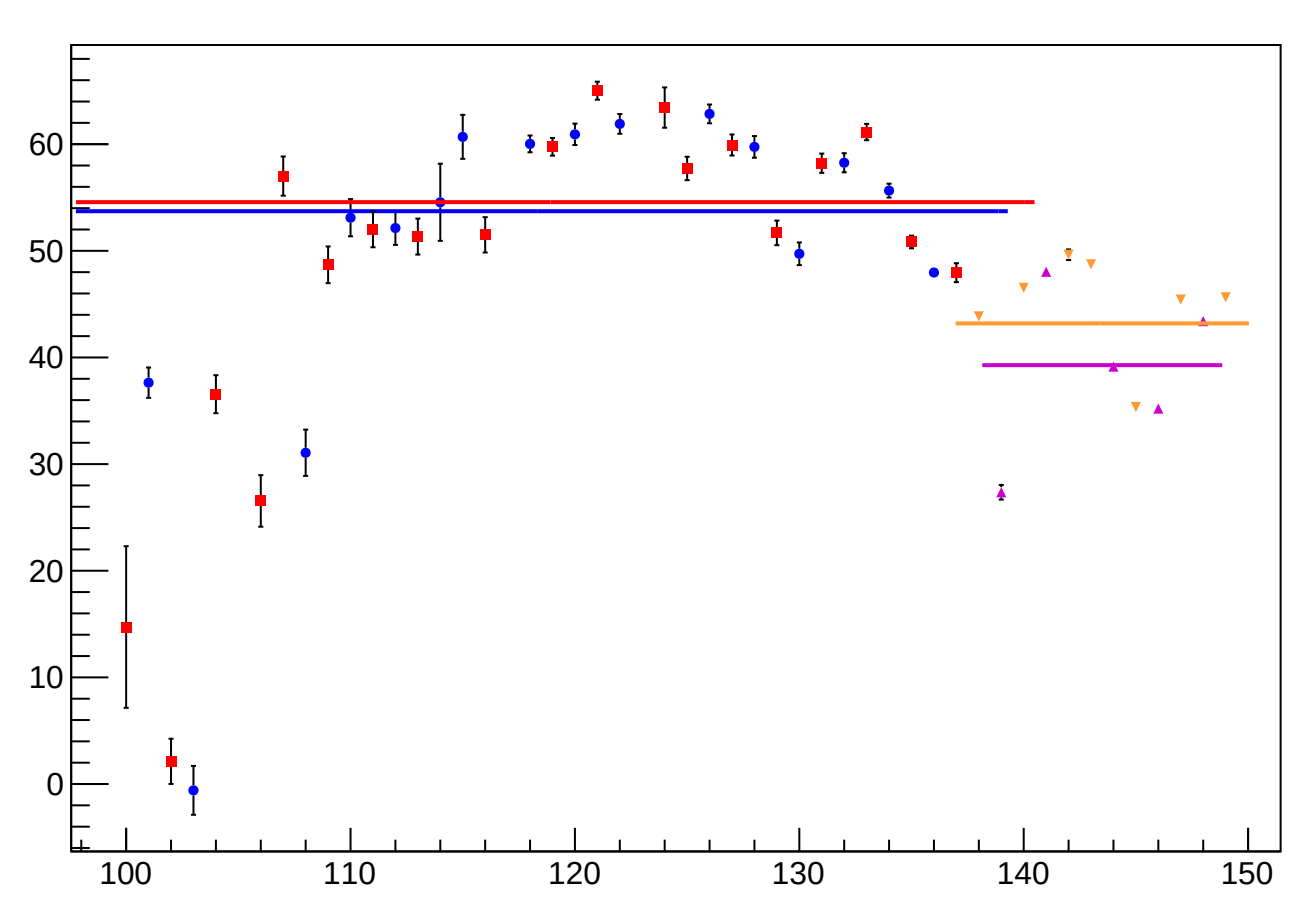
Left: 23.425+/-0.113 χ^2/NDF: 4582.3/11

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.872+/-0.135 χ^2/NDF:8695.5/20

Out: 29.293+/-0.131 χ^2/NDF:7702.5/25

All: 28.603+/-0.094 χ^2/NDF: 16455.1/46



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.195+/-0.135 χ^2/NDF:1565.6/6

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 39.279+/-0.142 χ^2/NDF:1319.2/4

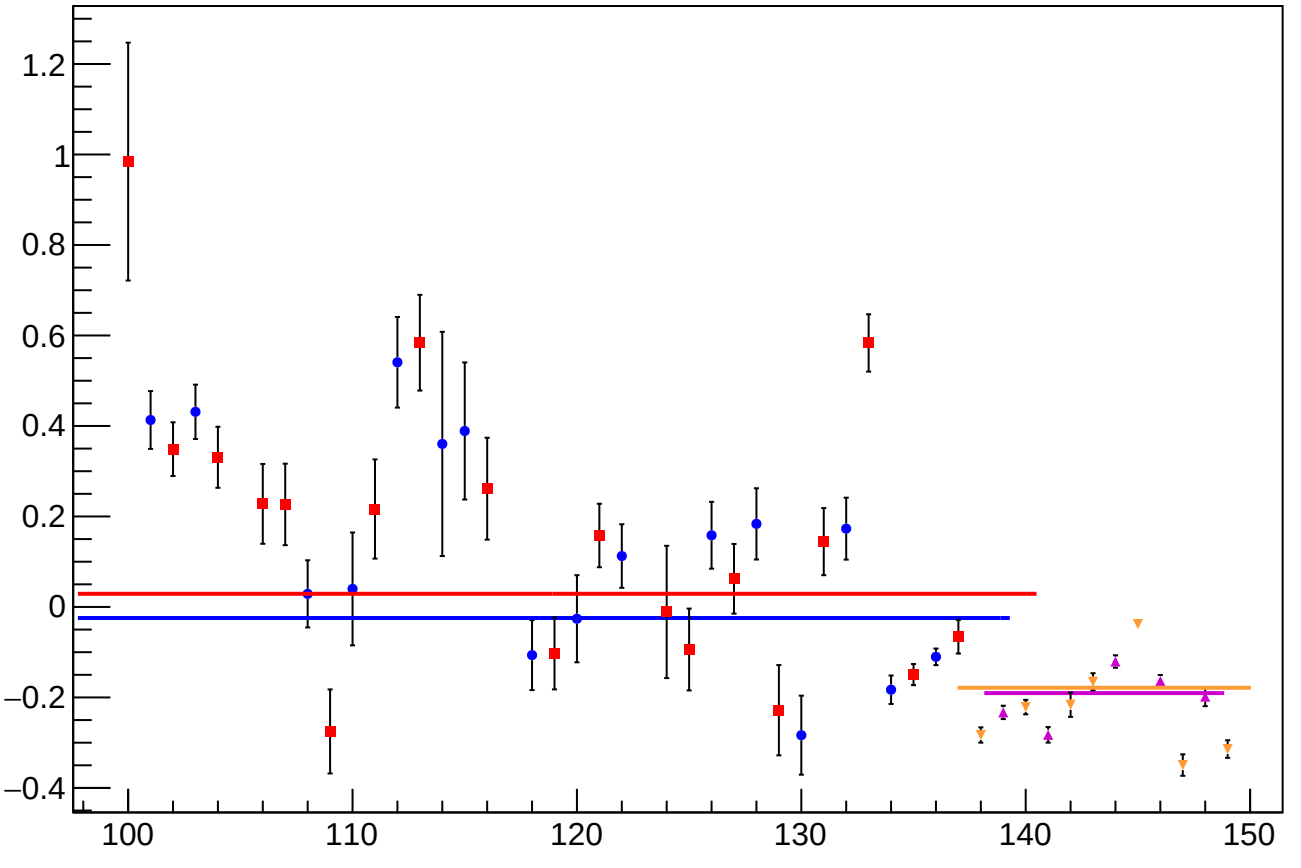
Left: 41.345+/-0.098 χ^2/NDF: 3283.8/11

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.061+/-0.122 χ^2/NDF:5374.4/20

Out: 45.660+/-0.119 χ^2/NDF:4451.5/25

All: 44.393+/-0.085 χ^2/NDF: 10057.5/46



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.179+/-0.006 χ^2/NDF:318.5/6

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: -0.184+/-0.005 χ^2/NDF: 387.0/11

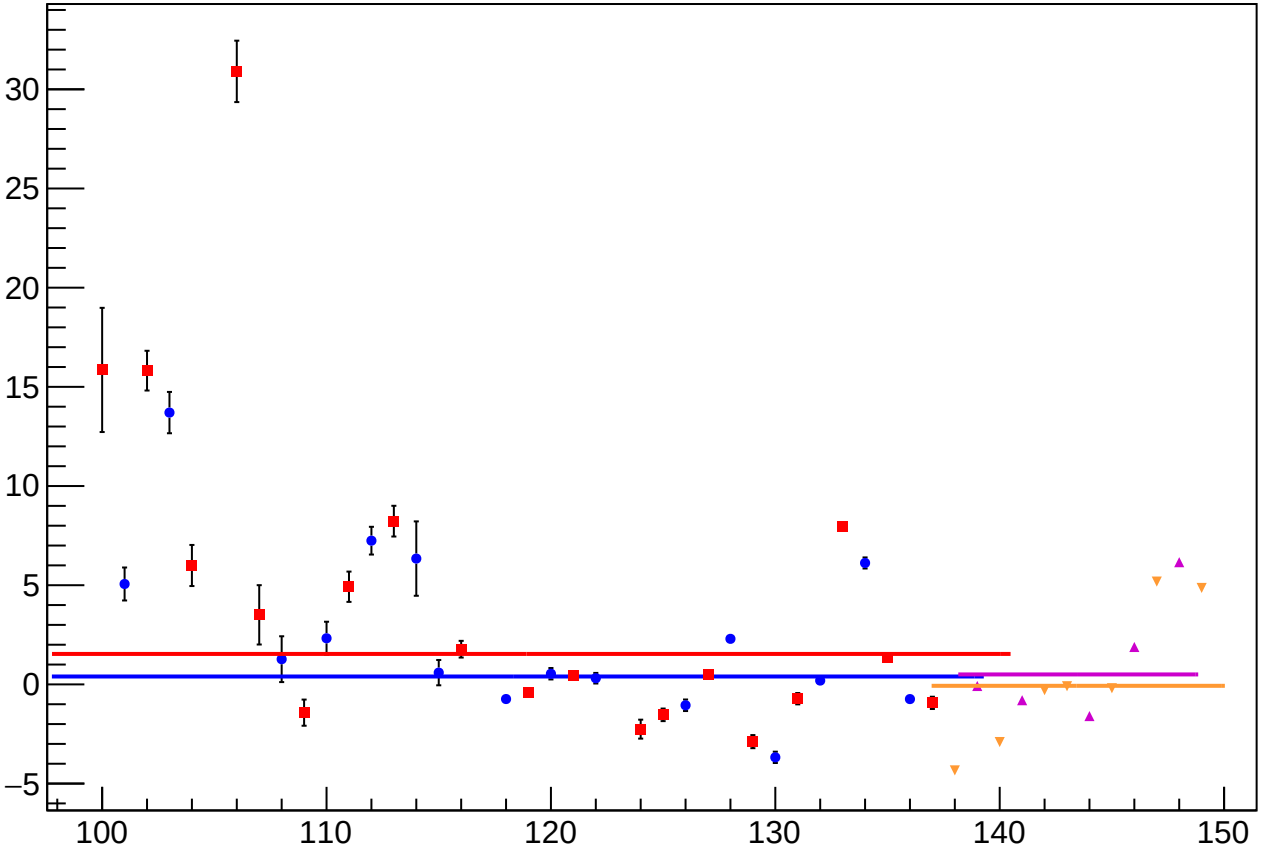
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.153+/-0.006 χ^2/NDF:427.1/20

Out: -0.144+/-0.006 χ^2/NDF:771.9/25

All: -0.148+/-0.004 χ^2/NDF: 1200.3/46

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: -0.071+/-0.055 χ^2/NDF:2968.9/6

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.502+/-0.059 χ^2/NDF:1453.0/4

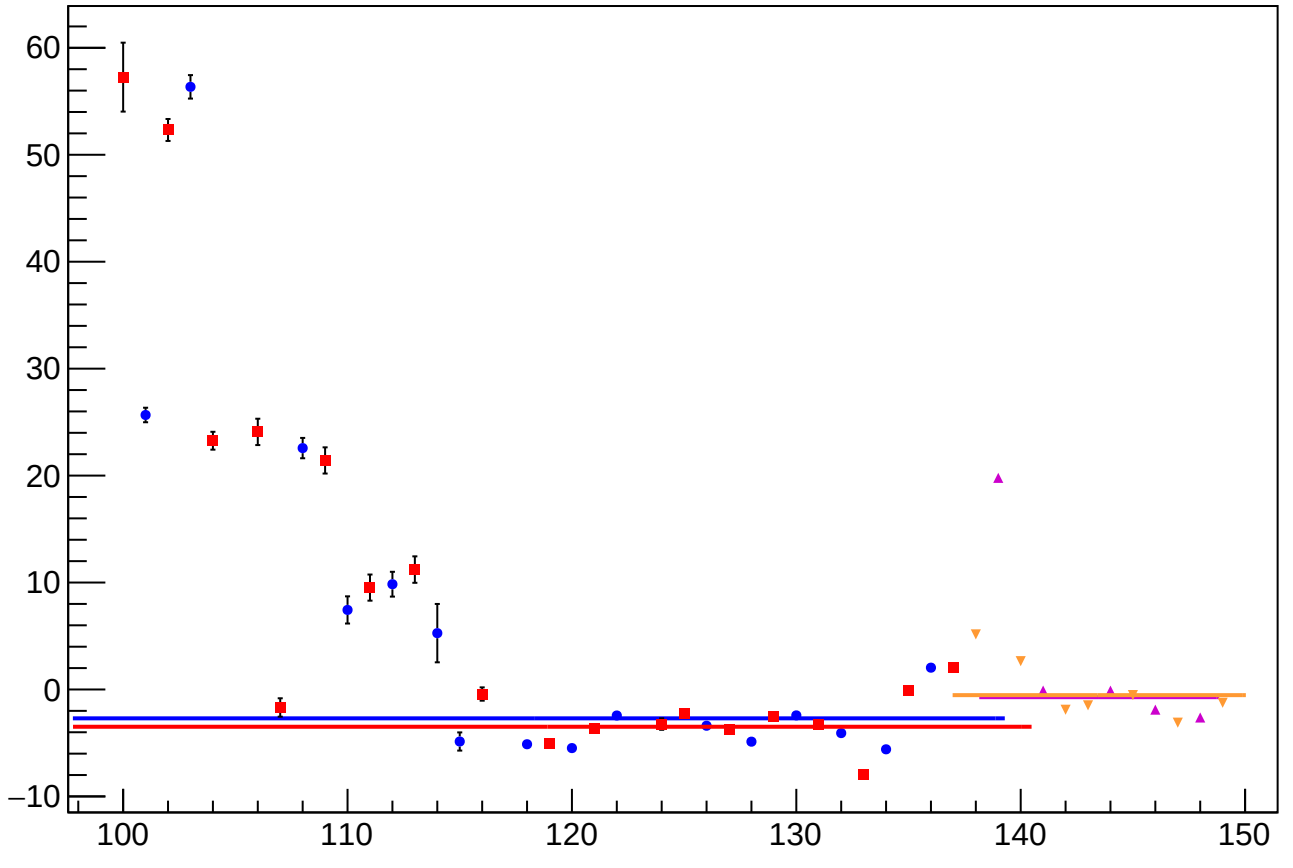
Left: 0.194+/-0.040 χ^2/NDF: 4472.7/11

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.464+/-0.047 χ^2/NDF:2551.5/20

Out: 0.457+/-0.045 χ^2/NDF:5663.6/25

All: 0.460+/-0.032 χ^2/NDF: 8215.2/46



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.529+/-0.040 χ^2/NDF:3046.5/6

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.720+/-0.042 χ^2/NDF:7286.6/4

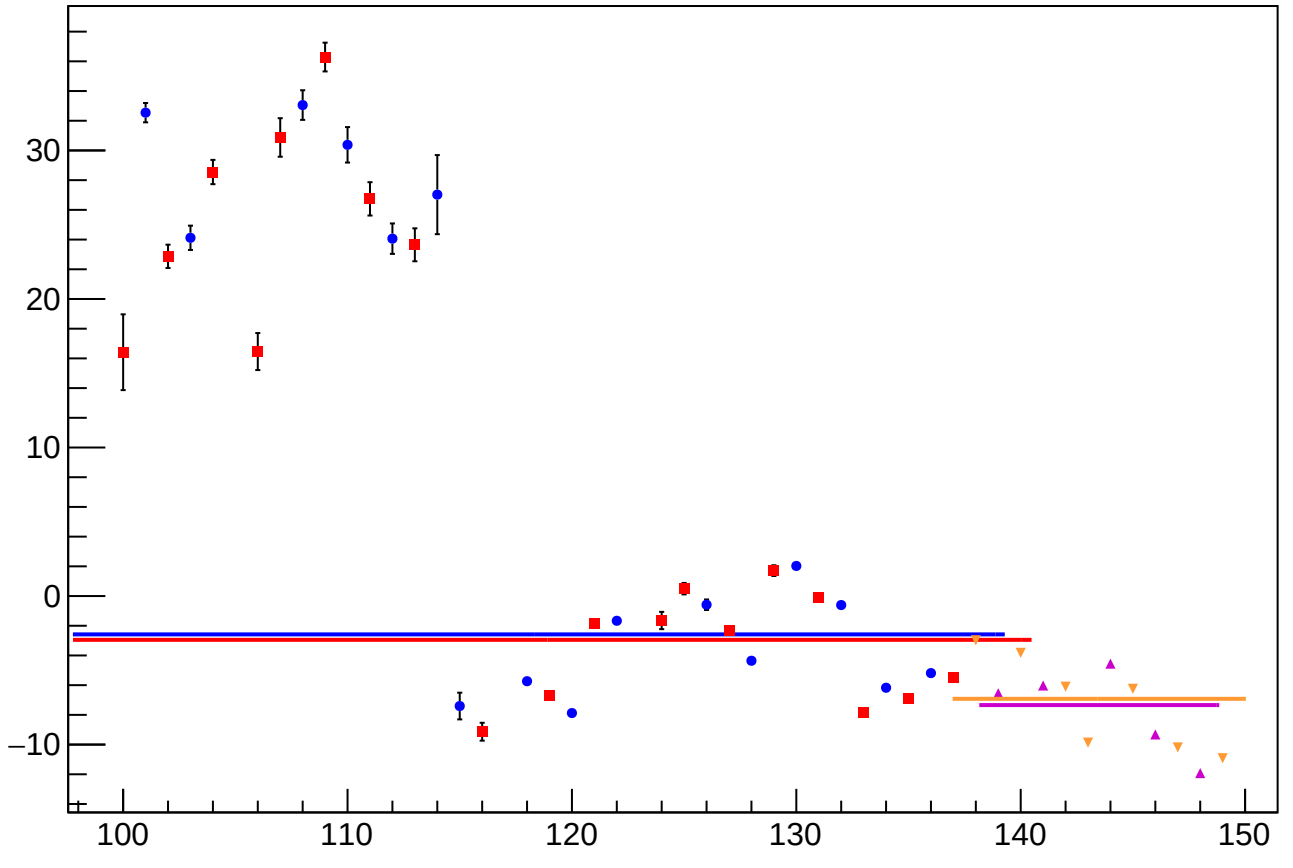
Left: -0.620+/-0.029 χ^2/NDF: 10344.0/11

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+/-0.035 χ^2/NDF:11526.8/25

All: -1.237+/-0.025 χ^2/NDF: 26497.9/46



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.919+/-0.055 χ^2/NDF:2601.3/6

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: -7.115+/-0.040 χ^2/NDF: 4297.4/11

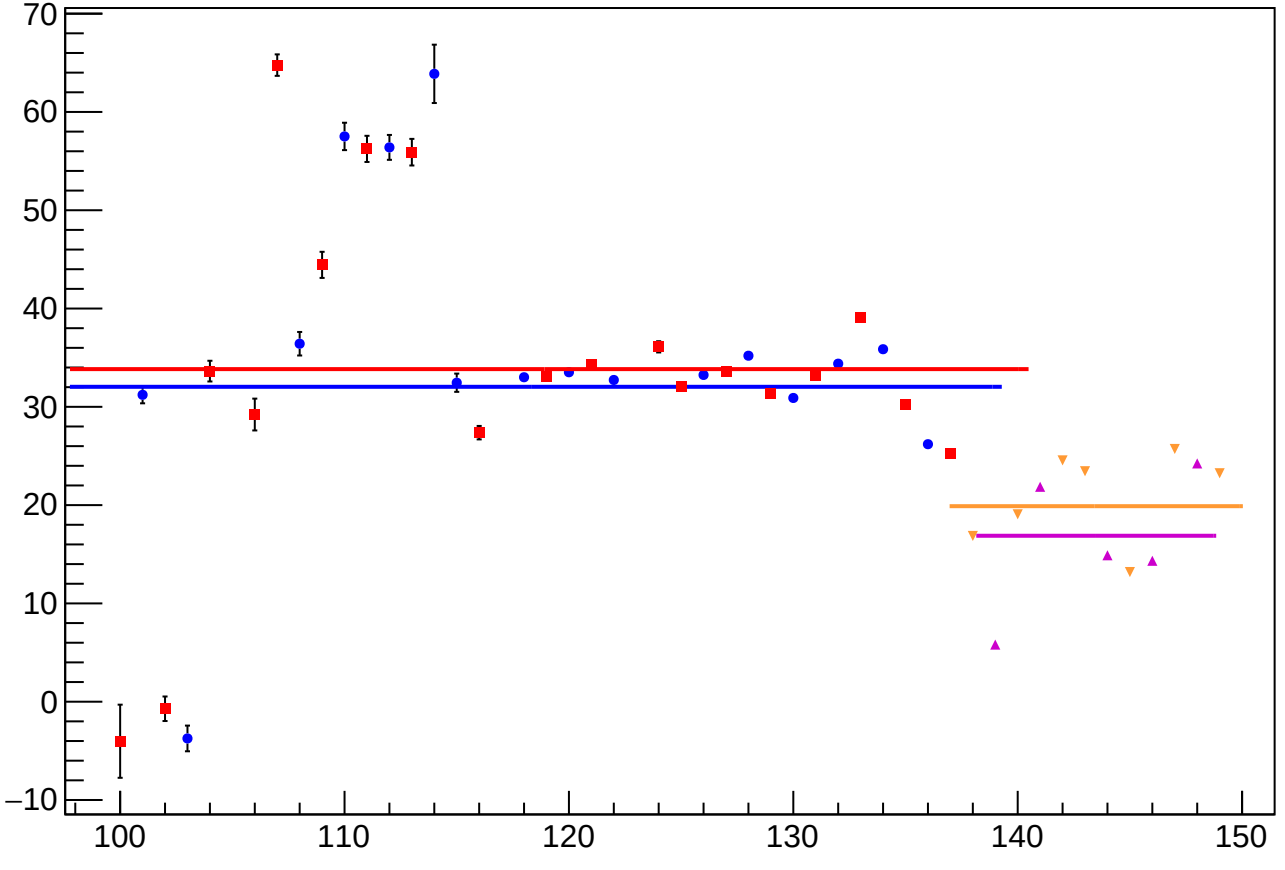
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.740+/-0.048 χ^2/NDF:12006.3/20

Out: -5.742+/-0.046 χ^2/NDF:12335.3/25

All: -5.741+/-0.033 χ^2/NDF: 24341.5/46

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: 19.891+/-0.048 χ^2/NDF:9899.2/6

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 16.883+/-0.051 χ^2/NDF:8154.6/4

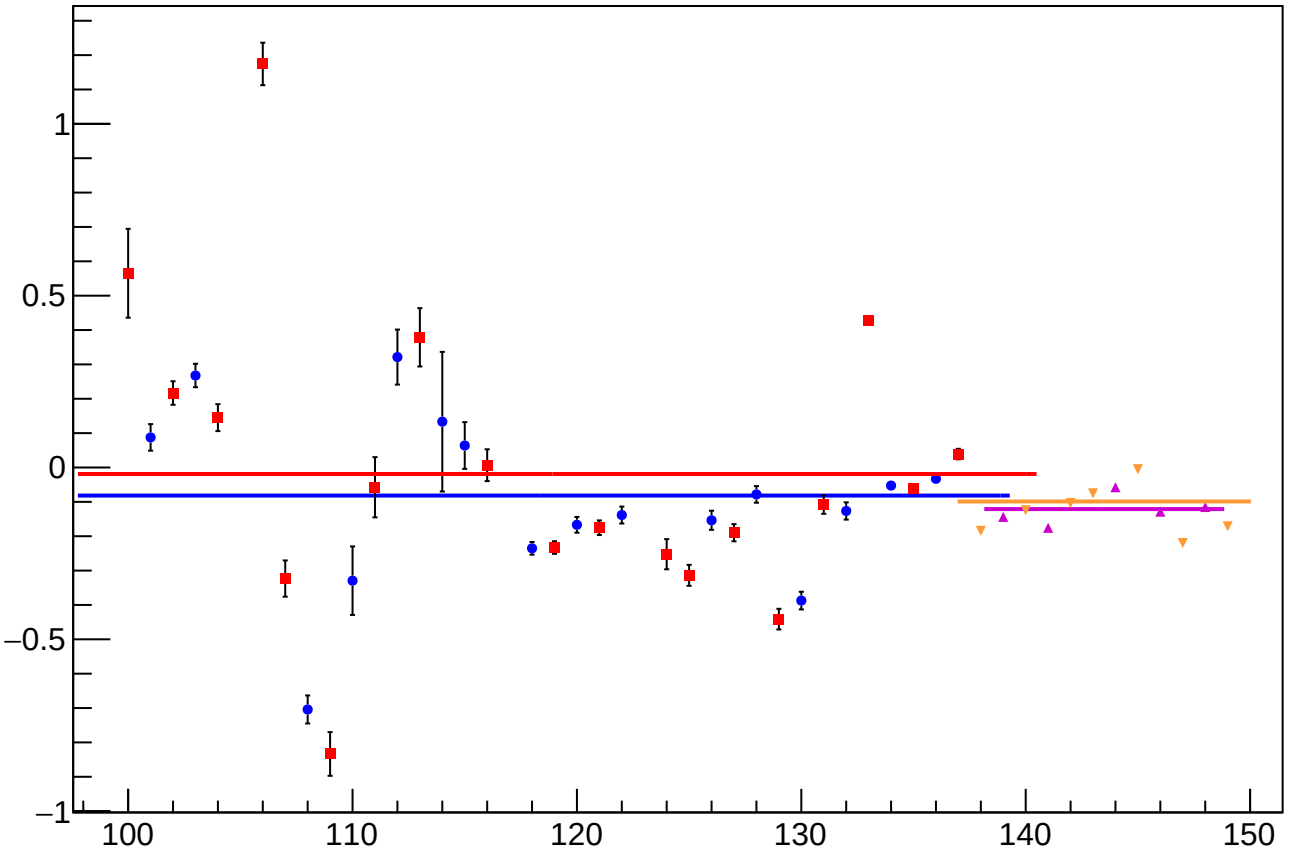
Left: 18.474+/-0.035 χ^2/NDF: 19892.9/11

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.166+/-0.043 χ^2/NDF:36346.2/20

Out: 23.492+/-0.041 χ^2/NDF:35794.4/25

All: 22.376+/-0.030 χ^2/NDF: 73649.2/46



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.099+/-0.002 χ^2/NDF:1114.9/6

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.121+/-0.002 χ^2/NDF:261.2/4

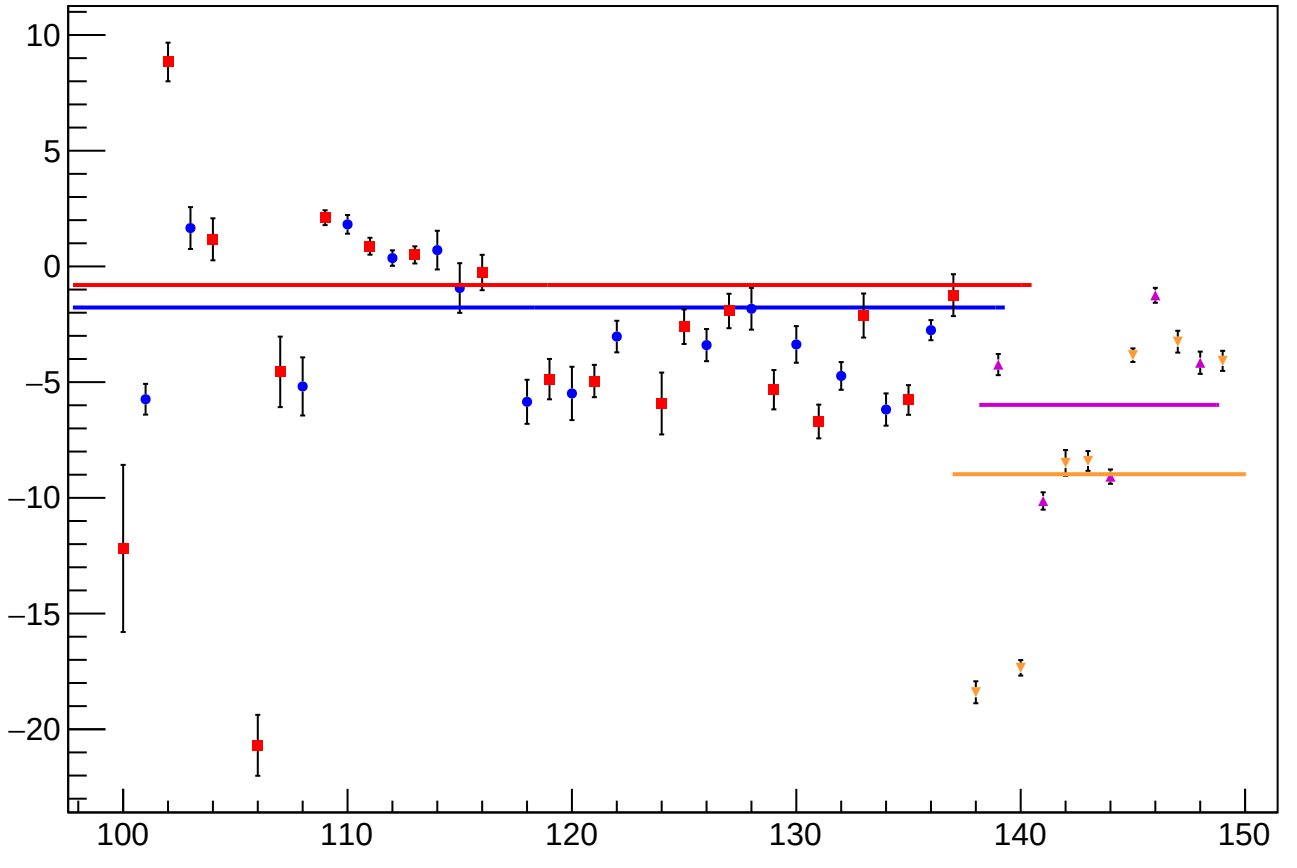
Left: -0.109+/-0.002 χ^2/NDF: 1419.8/11

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.113+/-0.002 χ^2/NDF:1003.3/20

Out: -0.086+/-0.002 χ^2/NDF:3586.6/25

All: -0.099+/-0.002 χ^2/NDF: 4669.7/46



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.979+/-0.152 χ^2/NDF:1600.8/6

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: -7.617+/-0.112 χ^2/NDF: 2244.8/11

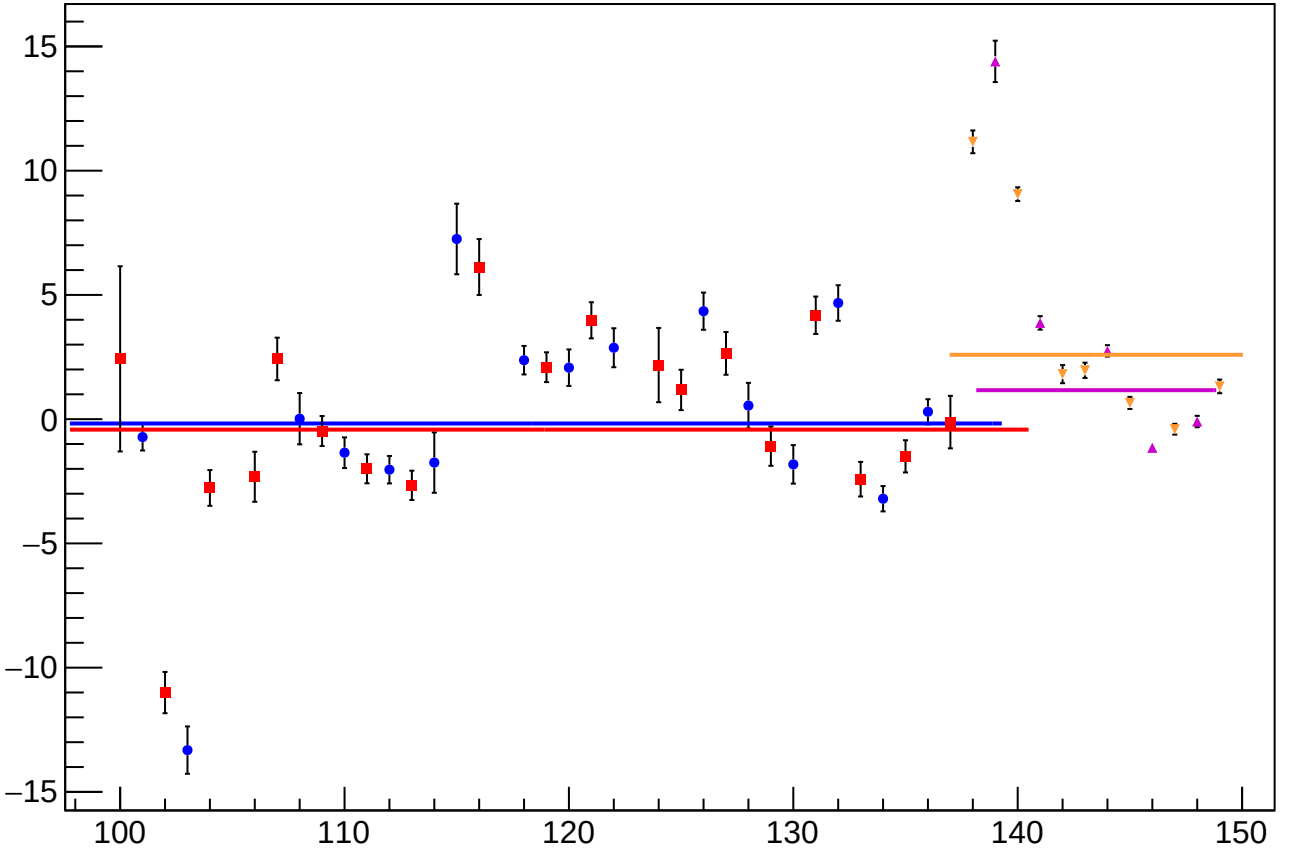
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.762+/-0.114 χ^2/NDF:1103.0/20

Out: -4.800+/-0.106 χ^2/NDF:3819.9/25

All: -4.319+/-0.078 χ^2/NDF: 4967.4/46

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: 2.591+/-0.107 χ^2/NDF:1177.1/6

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: 1.911+/-0.077 χ^2/NDF: 1832.6/11

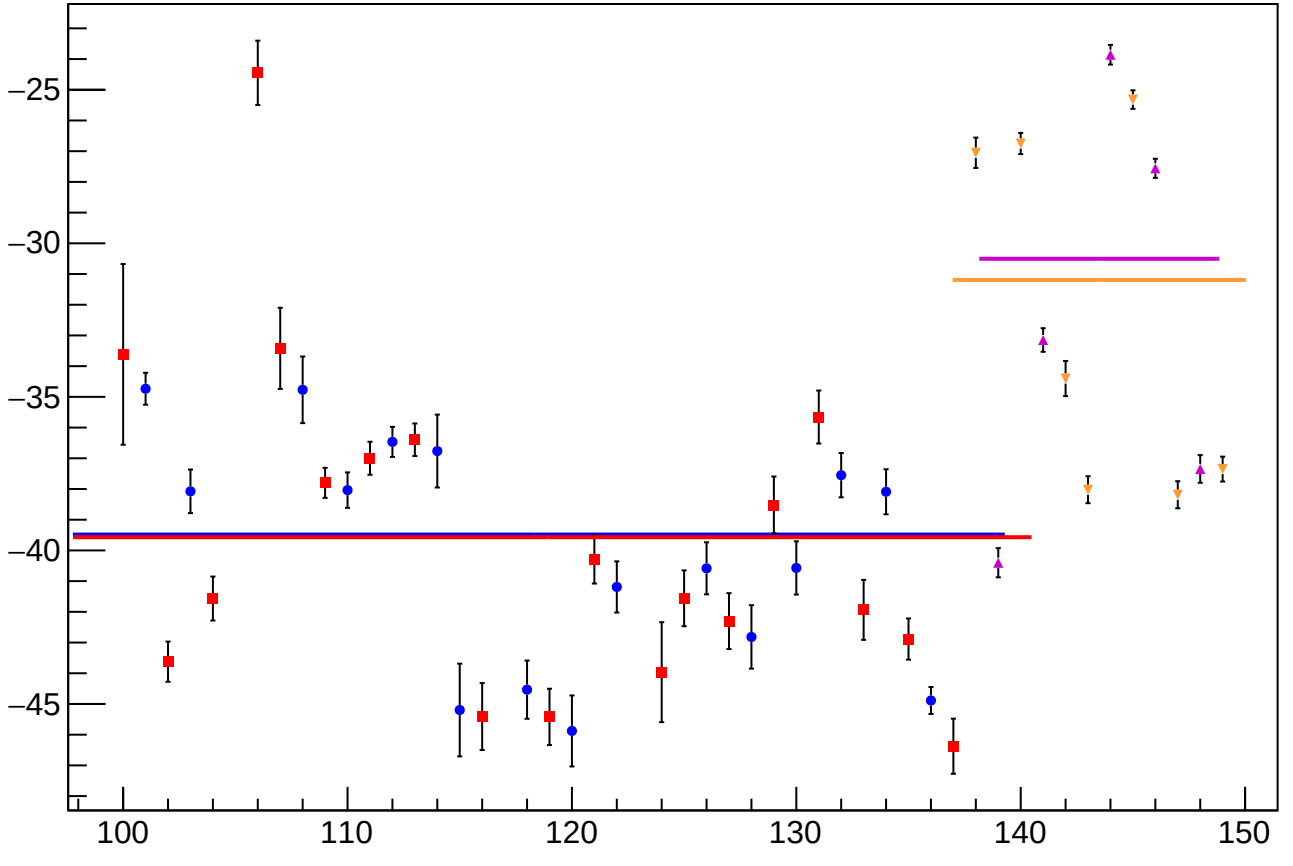
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.770+/-0.094 χ^2/NDF:1016.6/20

Out: 1.784+/-0.092 χ^2/NDF:1754.9/25

All: 1.290+/-0.066 χ^2/NDF: 2831.1/46

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: -31.192+/-0.153 χ^2/NDF:1372.2/6

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -30.503+/-0.166 χ^2/NDF:1233.6/4

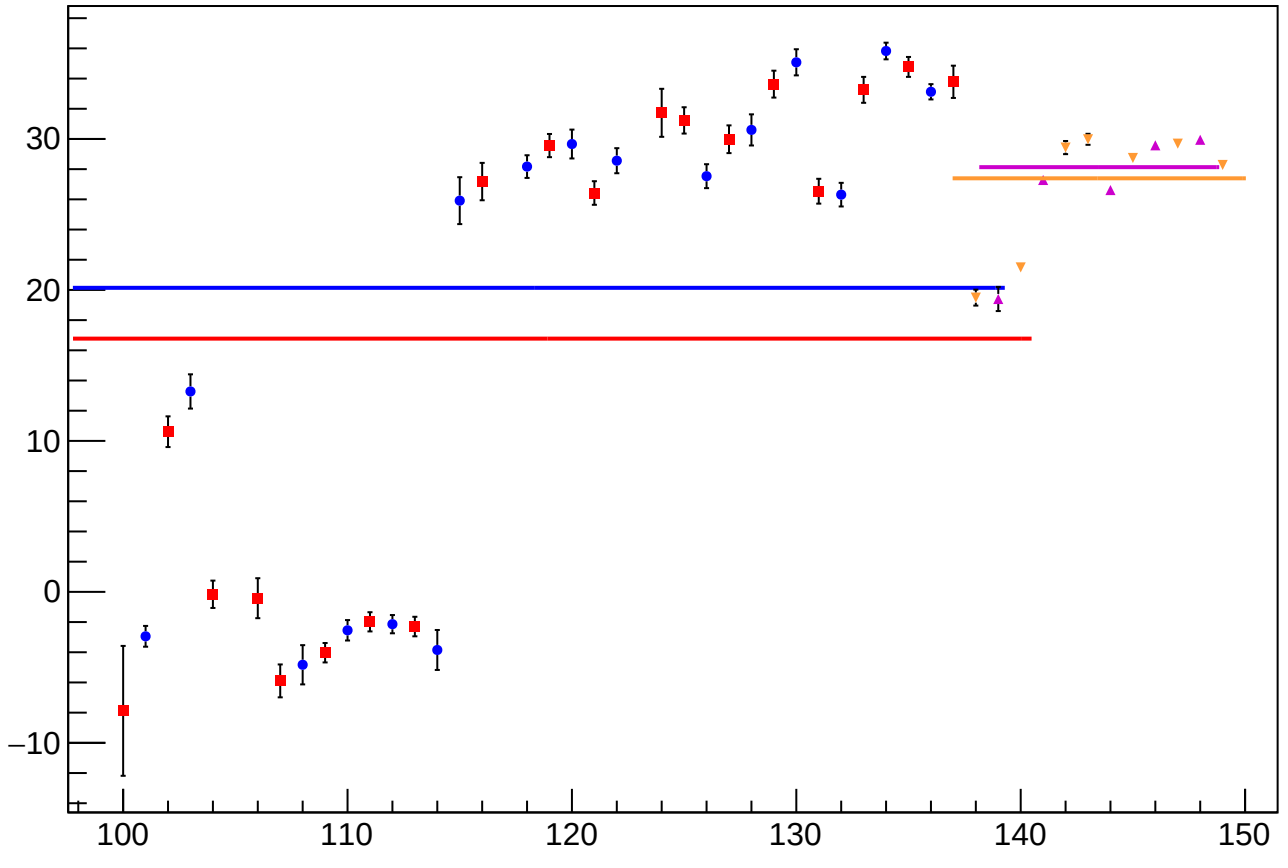
Left: -30.877+/-0.112 χ^2/NDF: 2615.2/11

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.627+/-0.122 χ^2/NDF:2985.6/20

Out: -34.672+/-0.117 χ^2/NDF:3178.5/25

All: -34.651+/-0.084 χ^2/NDF: 6164.2/46



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.393+/-0.131 χ^2/NDF:700.3/6

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: 27.740+/-0.095 χ^2/NDF: 941.7/11

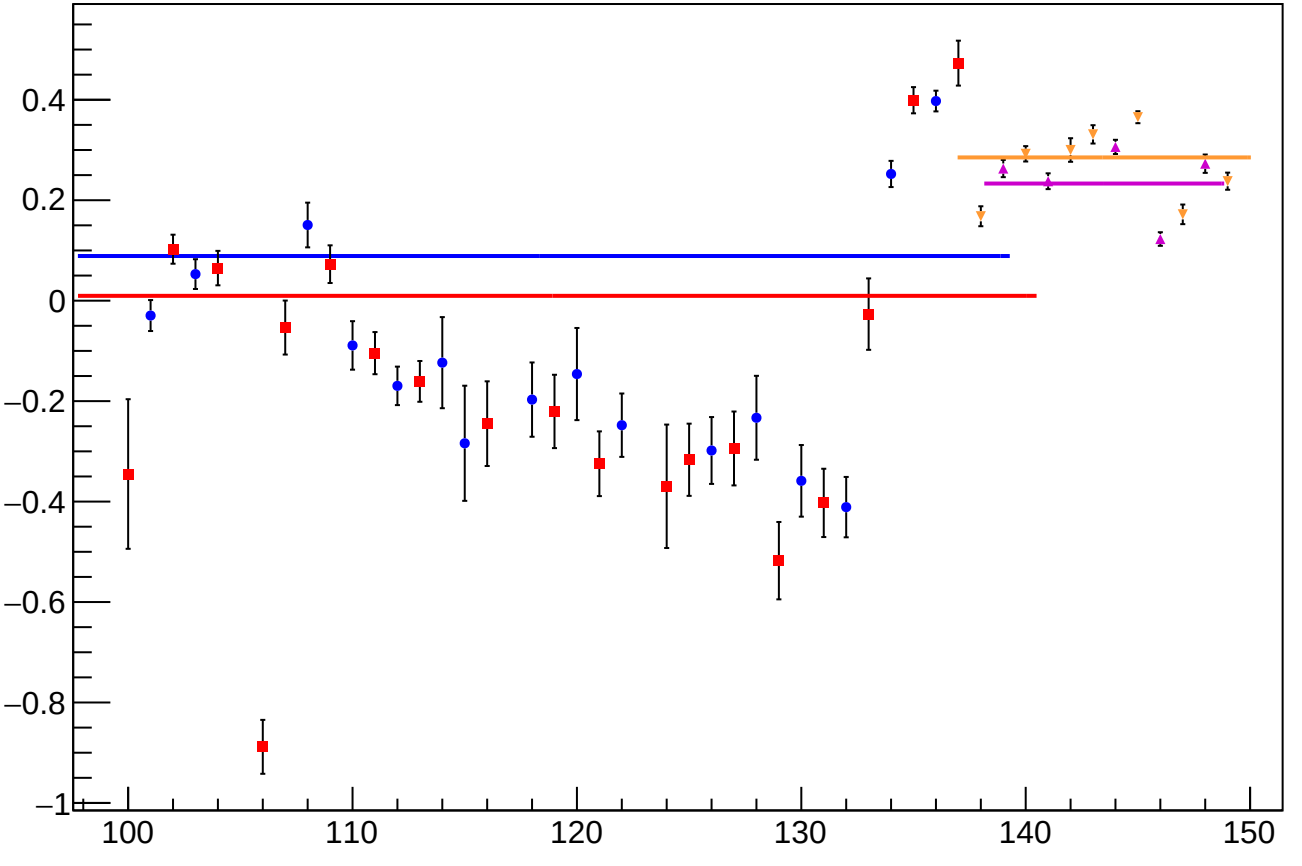
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.440+/-0.113 χ^2/NDF:8028.4/20

Out: 24.216+/-0.109 χ^2/NDF:9420.3/25

All: 24.807+/-0.079 χ^2/NDF: 17509.3/46

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.285+/-0.006 χ^2/NDF:128.0/6

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.233+/-0.007 χ^2/NDF:101.2/4

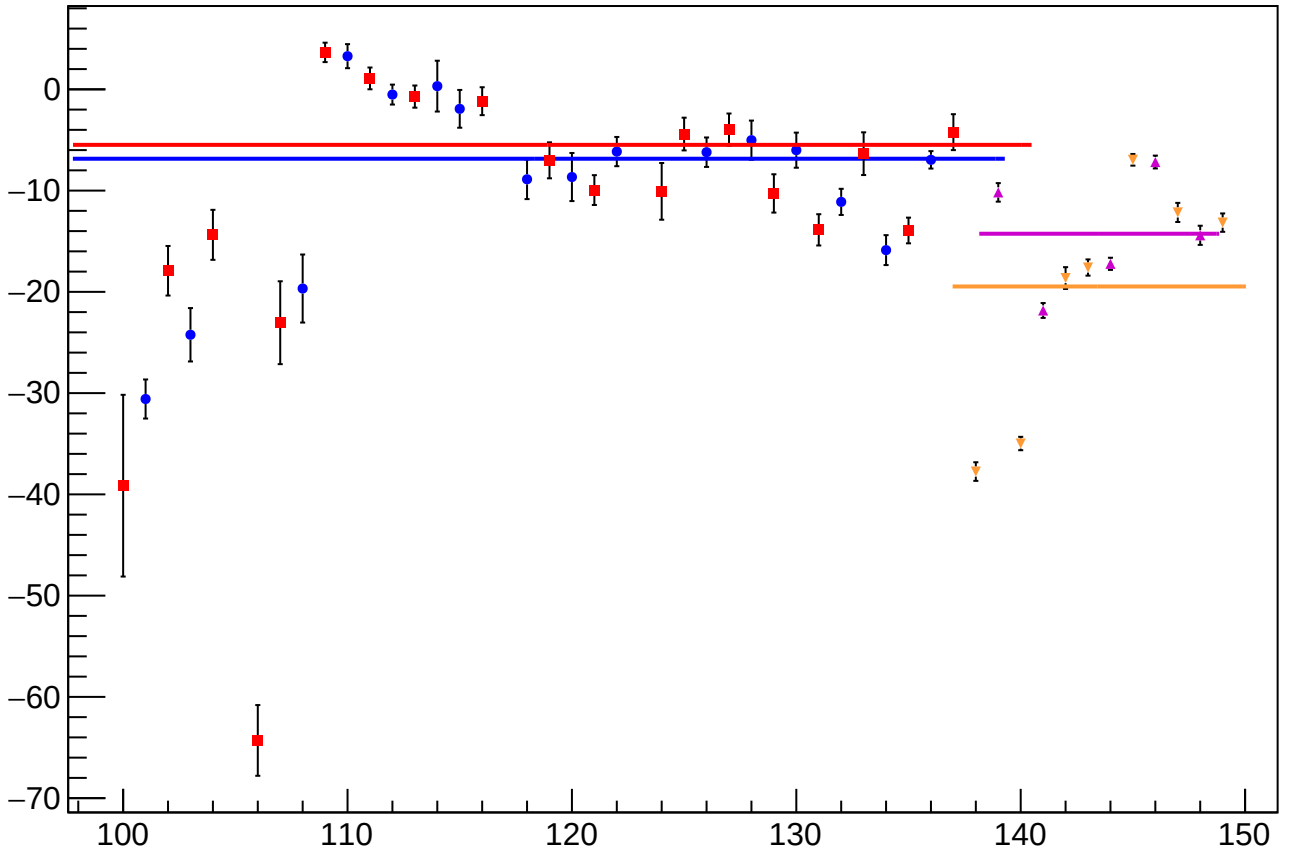
Left: 0.261+/-0.005 χ^2/NDF: 259.8/11

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.189+/-0.006 χ^2/NDF:798.4/20

Out: 0.216+/-0.006 χ^2/NDF:1431.9/25

All: 0.203+/-0.004 χ^2/NDF: 2241.9/46



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.469+/-0.298 χ^2/NDF:1532.3/6

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: -17.095+/-0.220 χ^2/NDF: 1946.6/11

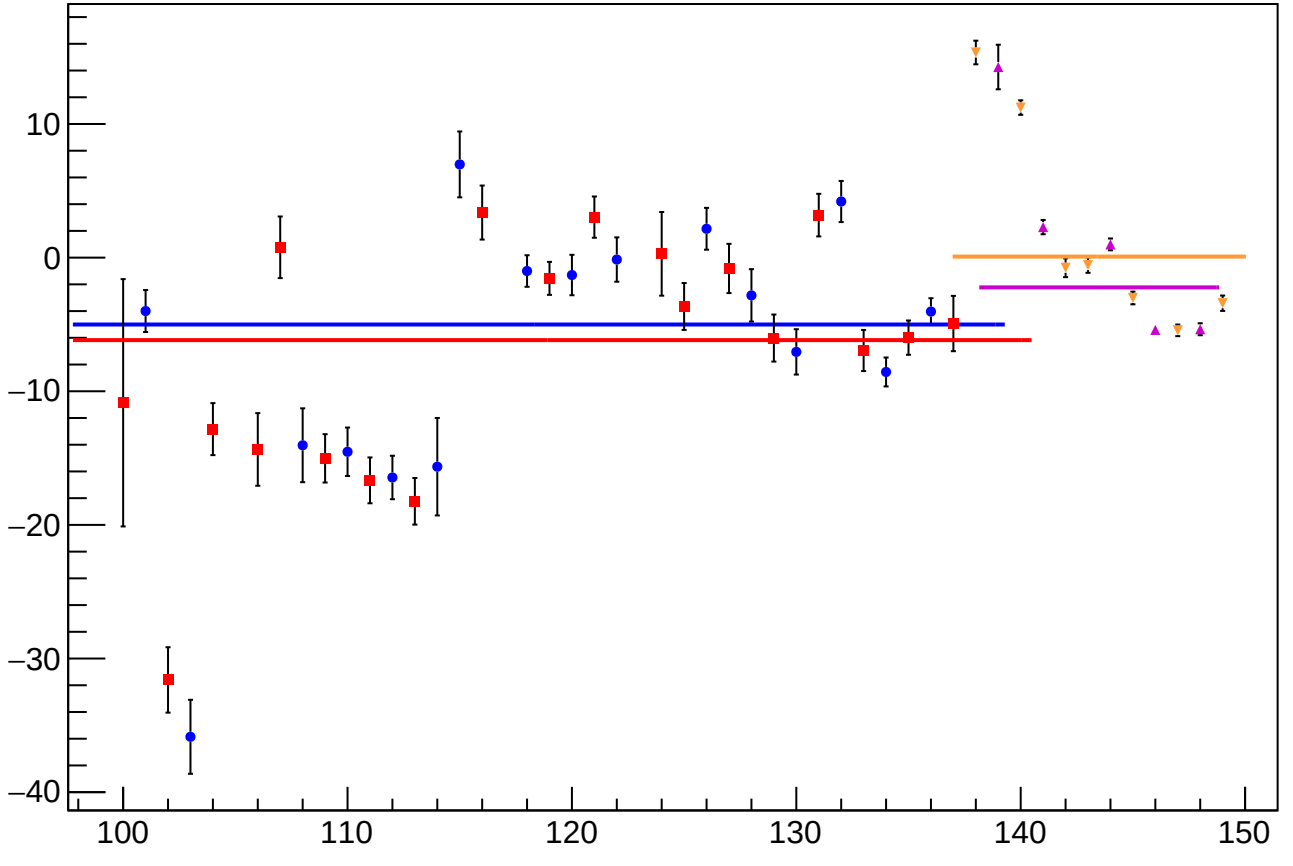
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -11.078+/-0.246 χ^2/NDF:887.2/20

Out: -13.943+/-0.232 χ^2/NDF:3007.8/25

All: -12.596+/-0.169 χ^2/NDF: 3966.7/46

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: 0.078+/-0.211 χ^2/NDF:961.2/6

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: -1.038+/-0.152 χ^2/NDF: 1361.5/11

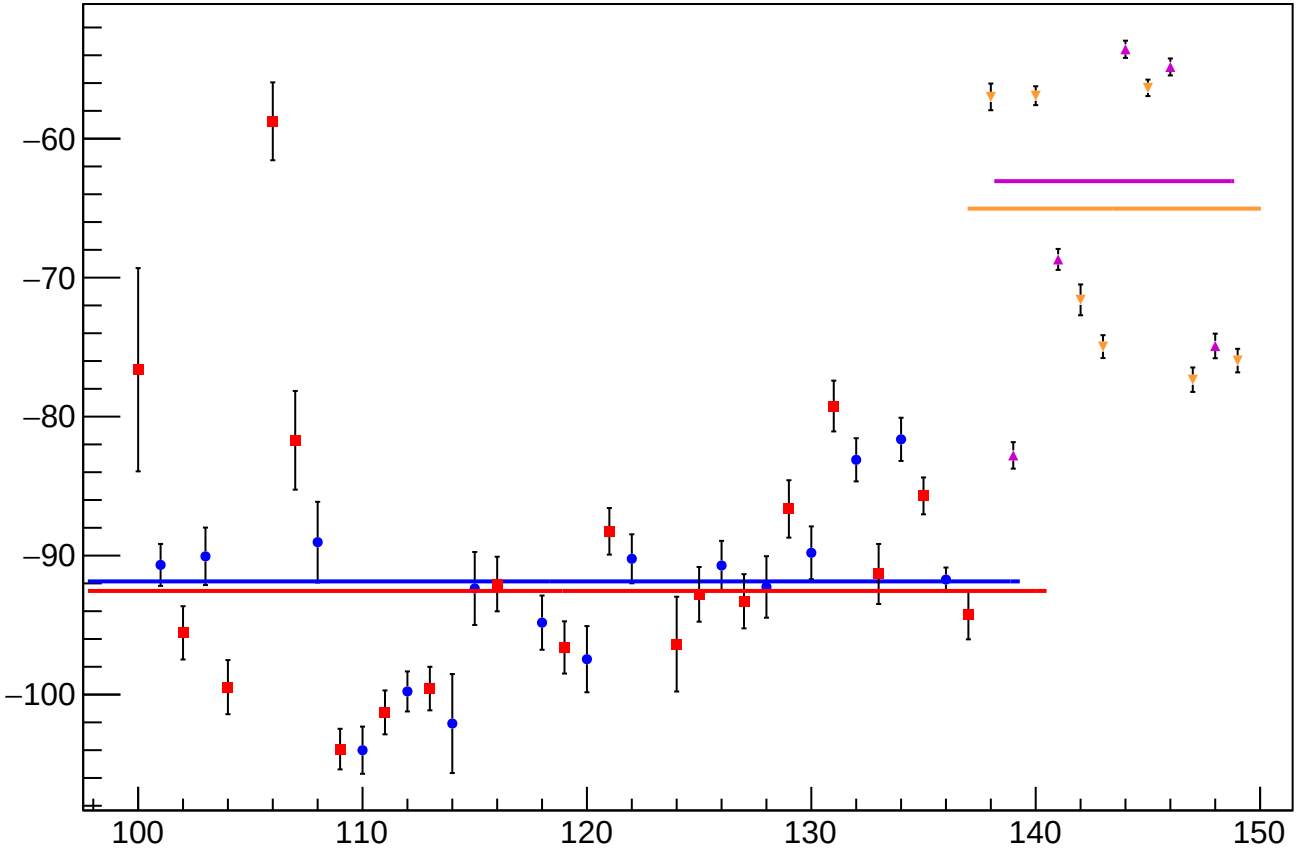
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.875+/-0.191 χ^2/NDF:722.2/20

Out: -1.200+/-0.188 χ^2/NDF:1509.5/25

All: -2.026+/-0.134 χ^2/NDF: 2270.7/46

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: -65.033+/-0.301 χ^2/NDF:970.4/6

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -63.058+/-0.326 χ^2/NDF:1079.8/4

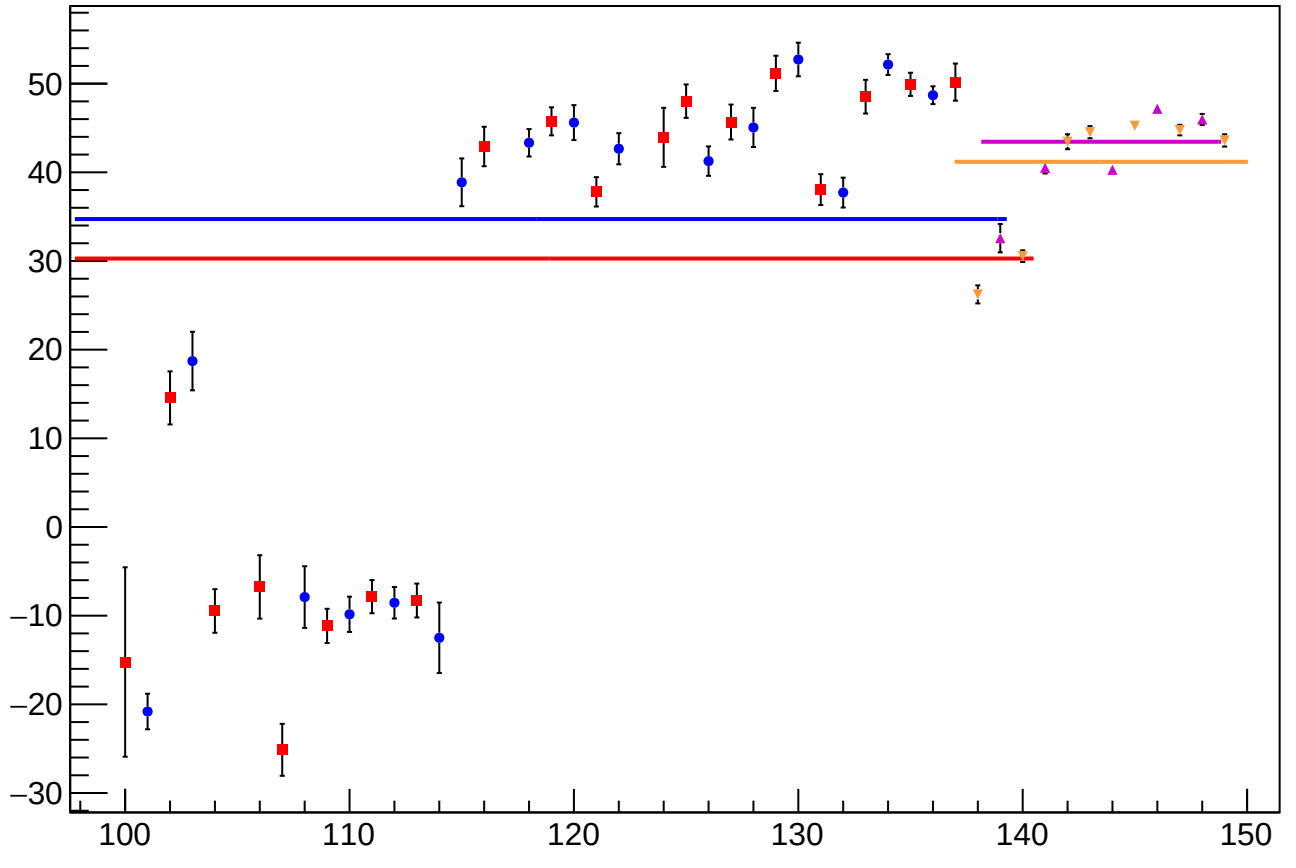
Left: -64.124+/-0.221 χ^2/NDF: 2070.1/11

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.745+/-0.258 χ^2/NDF:4157.8/20

Out: -73.807+/-0.248 χ^2/NDF:4029.8/25

All: -73.777+/-0.179 χ^2/NDF: 8187.7/46



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.187+/-0.257 χ^2/NDF:613.6/6

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.447+/-0.271 χ^2/NDF:183.4/4

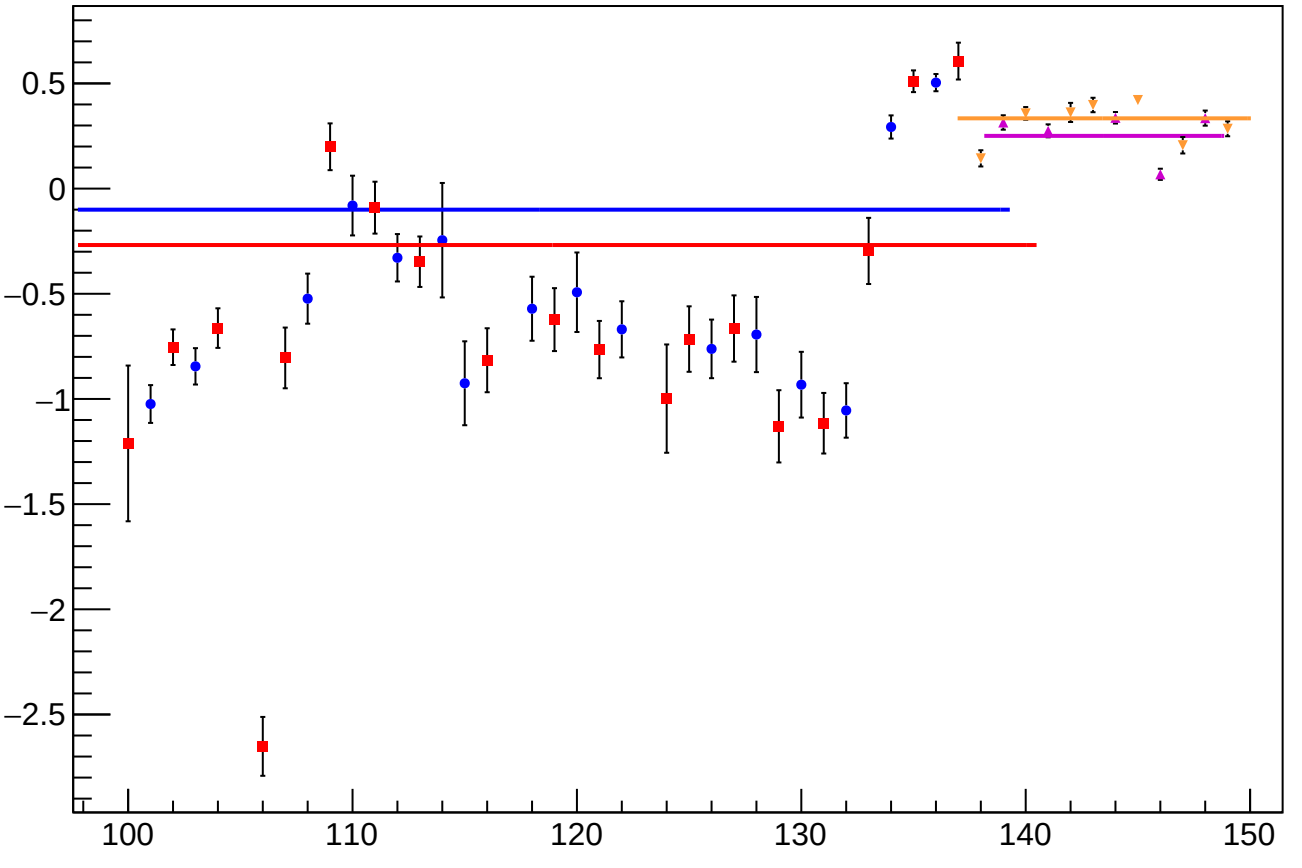
Left: 42.259+/-0.186 χ^2/NDF: 833.7/11

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.068+/-0.231 χ^2/NDF:3275.5/20

Out: 38.650+/-0.225 χ^2/NDF:3943.3/25

All: 39.830+/-0.161 χ^2/NDF: 7275.1/46



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.334+/-0.013 χ^2/NDF:55.1/6

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+/-0.009 χ^2/NDF: 142.3/11

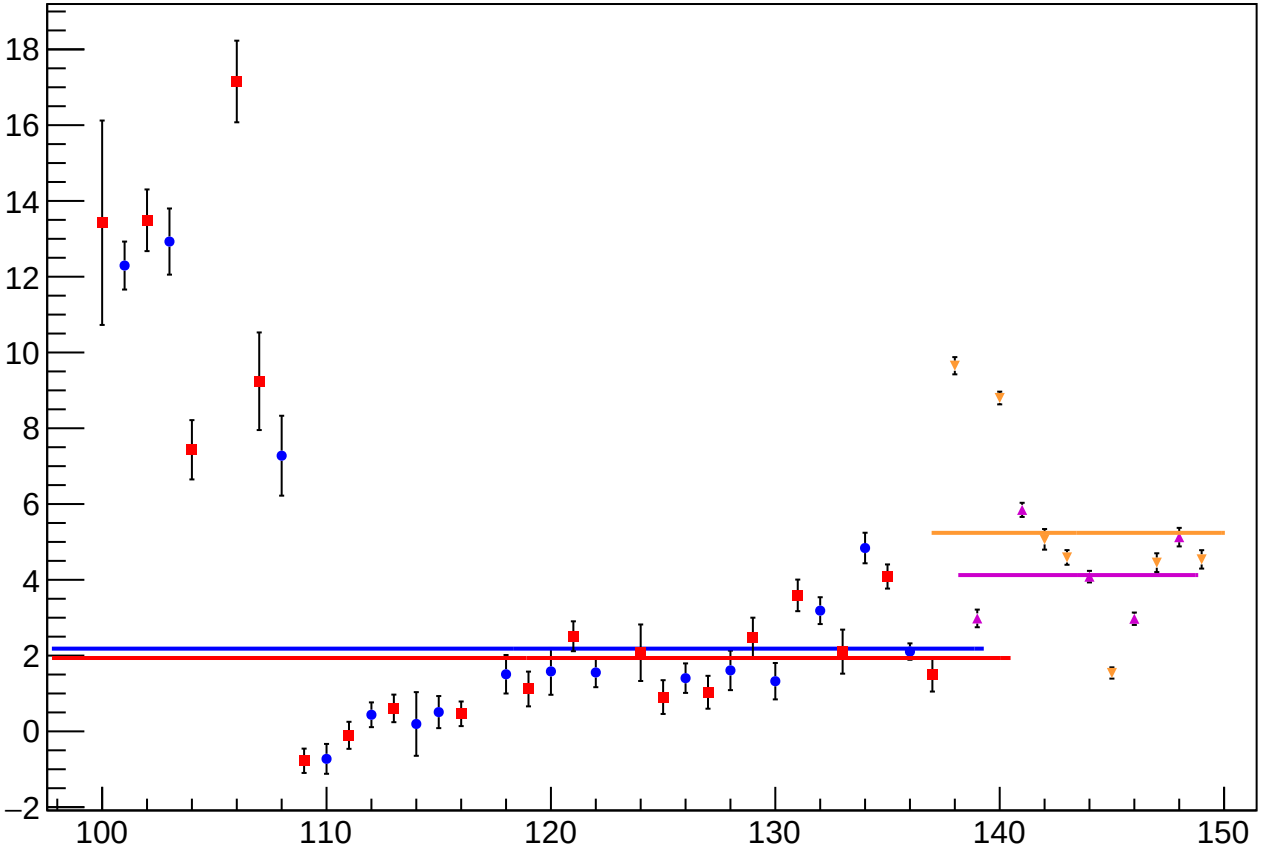
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.166+/-0.012 χ^2/NDF:859.9/20

Out: 0.223+/-0.011 χ^2/NDF:1303.6/25

All: 0.195+/-0.008 χ^2/NDF: 2175.6/46

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: 5.240+/-0.076 χ^2/NDF:1475.0/6

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: 4.734+/-0.056 χ^2/NDF: 1748.5/11

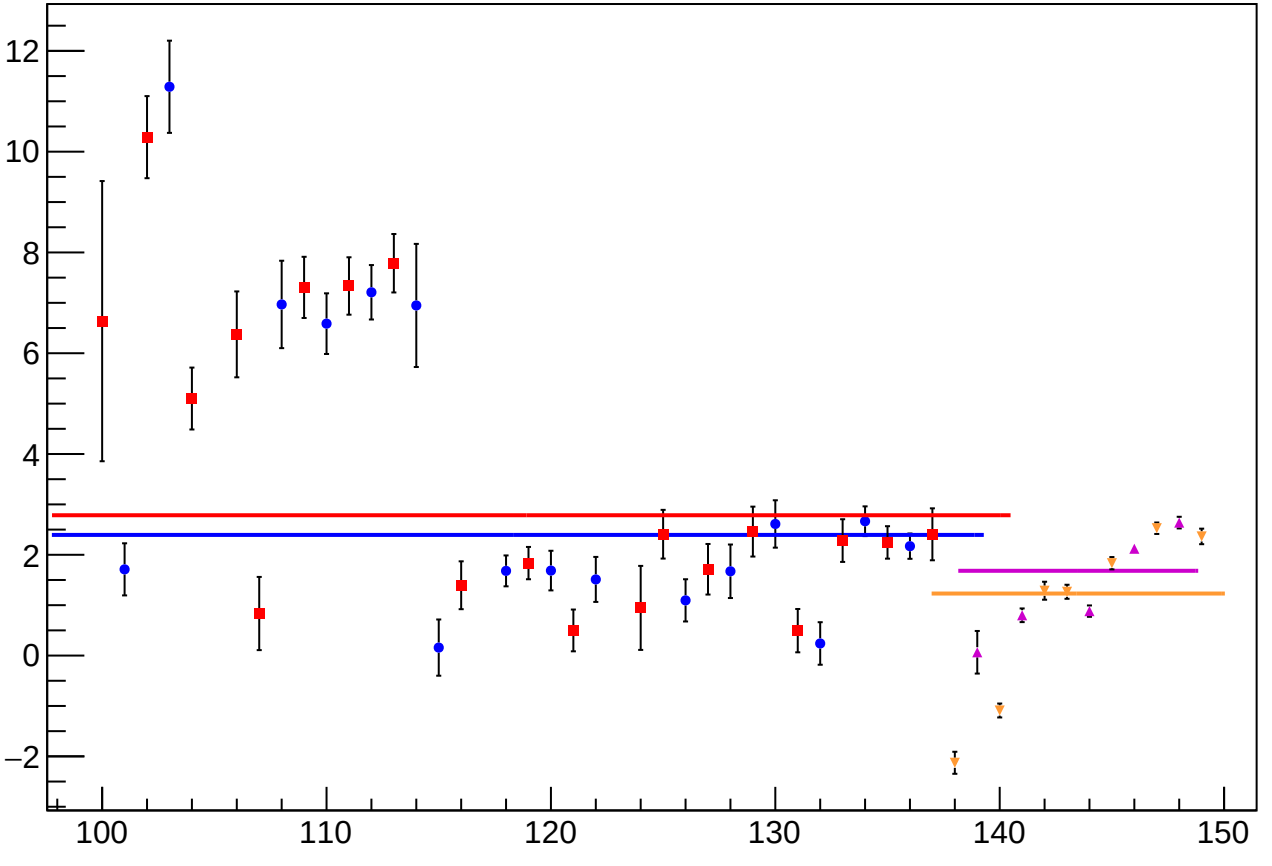
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.375+/-0.065 χ^2/NDF:984.8/20

Out: 4.112+/-0.062 χ^2/NDF:2838.1/25

All: 3.765+/-0.045 χ^2/NDF: 3890.4/46

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: 1.231+/-0.054 χ^2/NDF:726.3/6

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: 1.451+/-0.039 χ^2/NDF: 957.4/11

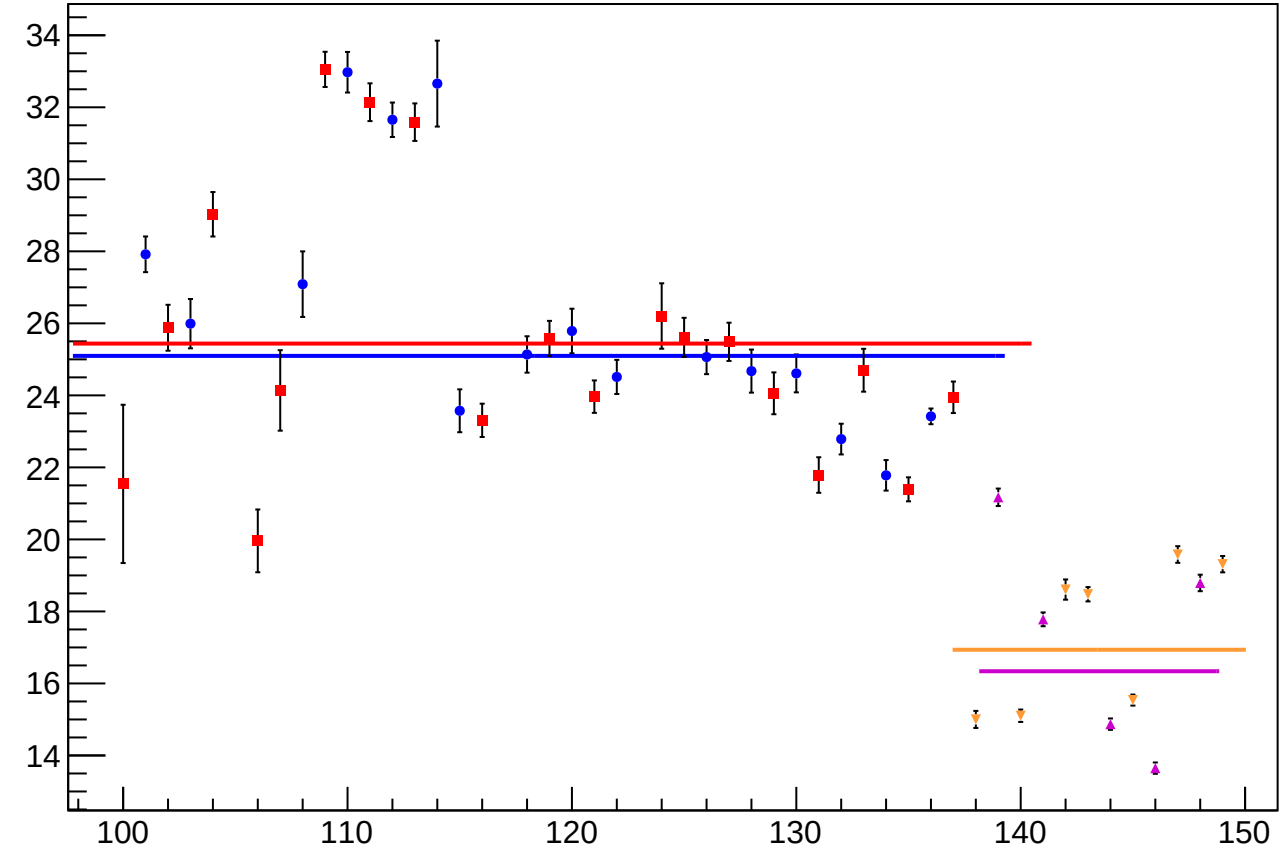
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.830+/-0.049 χ^2/NDF:565.2/20

Out: 1.509+/-0.049 χ^2/NDF:1284.9/25

All: 1.668+/-0.035 χ^2/NDF: 1871.5/46

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.936+/-0.077 χ^2/NDF:598.6/6

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.339+/-0.083 χ^2/NDF:948.9/4

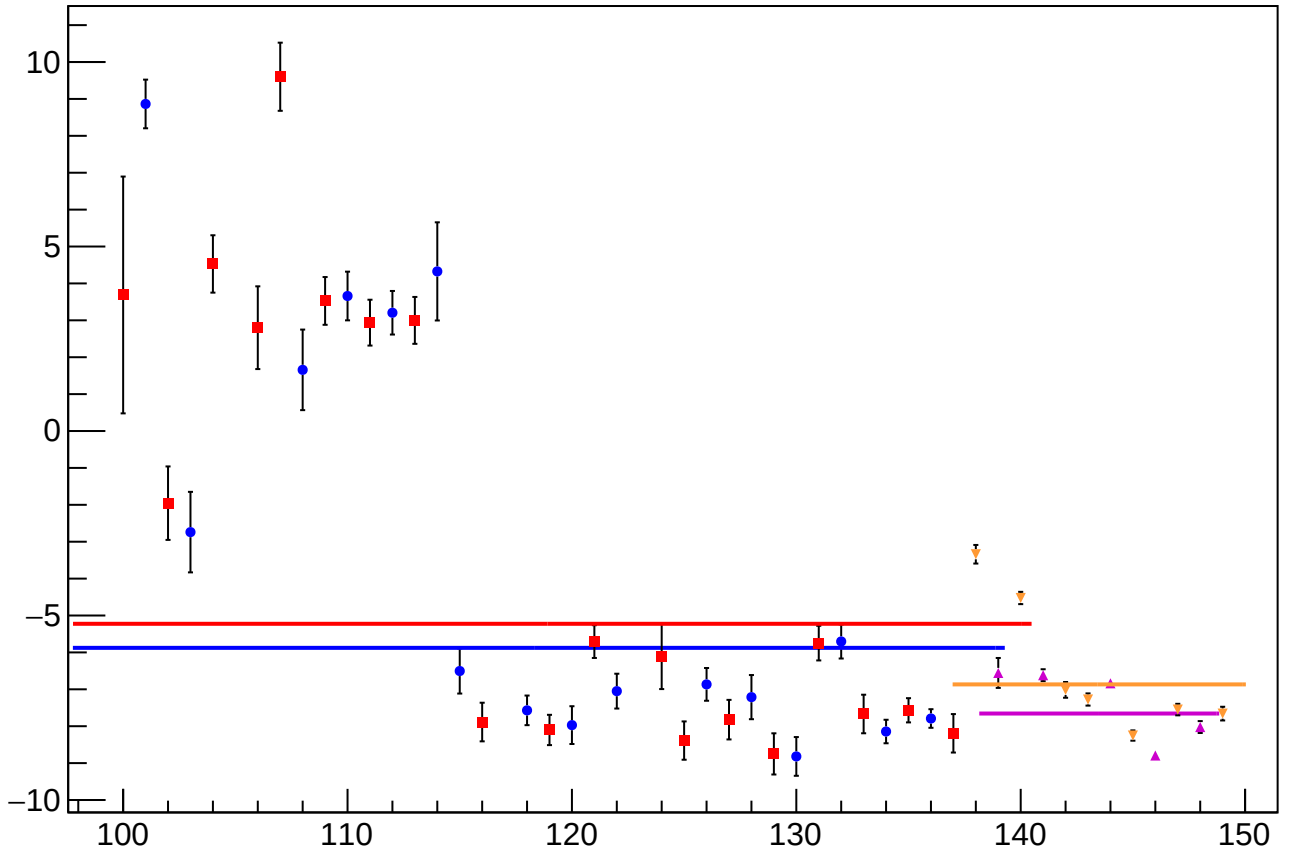
Left: 16.662+/-0.056 χ^2/NDF: 1575.3/11

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.266+/-0.068 χ^2/NDF:5267.6/20

Out: 19.287+/-0.065 χ^2/NDF:4876.2/25

All: 19.277+/-0.047 χ^2/NDF: 10143.8/46



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.867+/-0.066 χ^2/NDF:535.9/6

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: -7.242+/-0.048 χ^2/NDF: 786.7/11

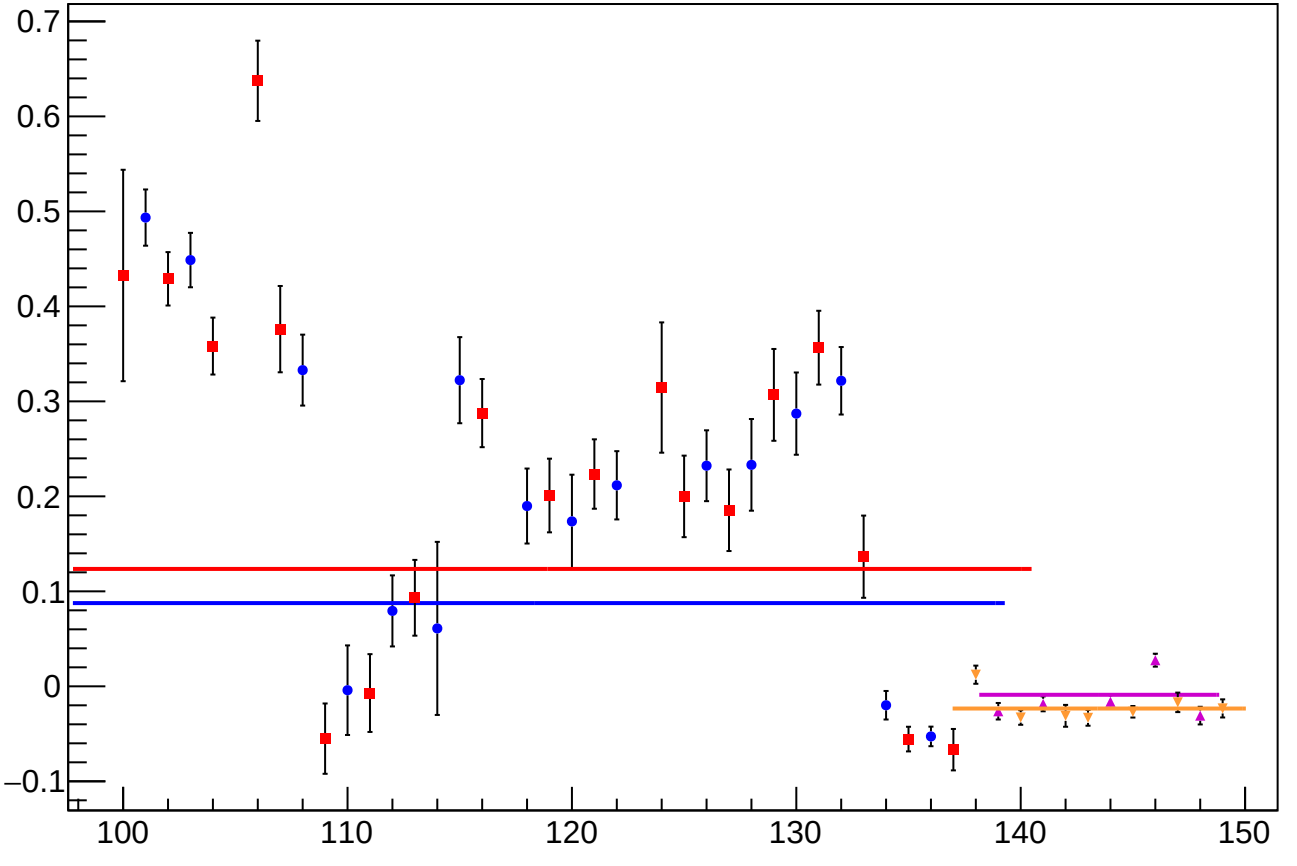
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.217+/-0.060 χ^2/NDF:1597.6/20

Out: -6.530+/-0.059 χ^2/NDF:1955.9/25

All: -6.866+/-0.042 χ^2/NDF: 3620.6/46

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.023+/-0.003 χ^2/NDF:18.0/6

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.009+/-0.003 χ^2/NDF:40.8/4

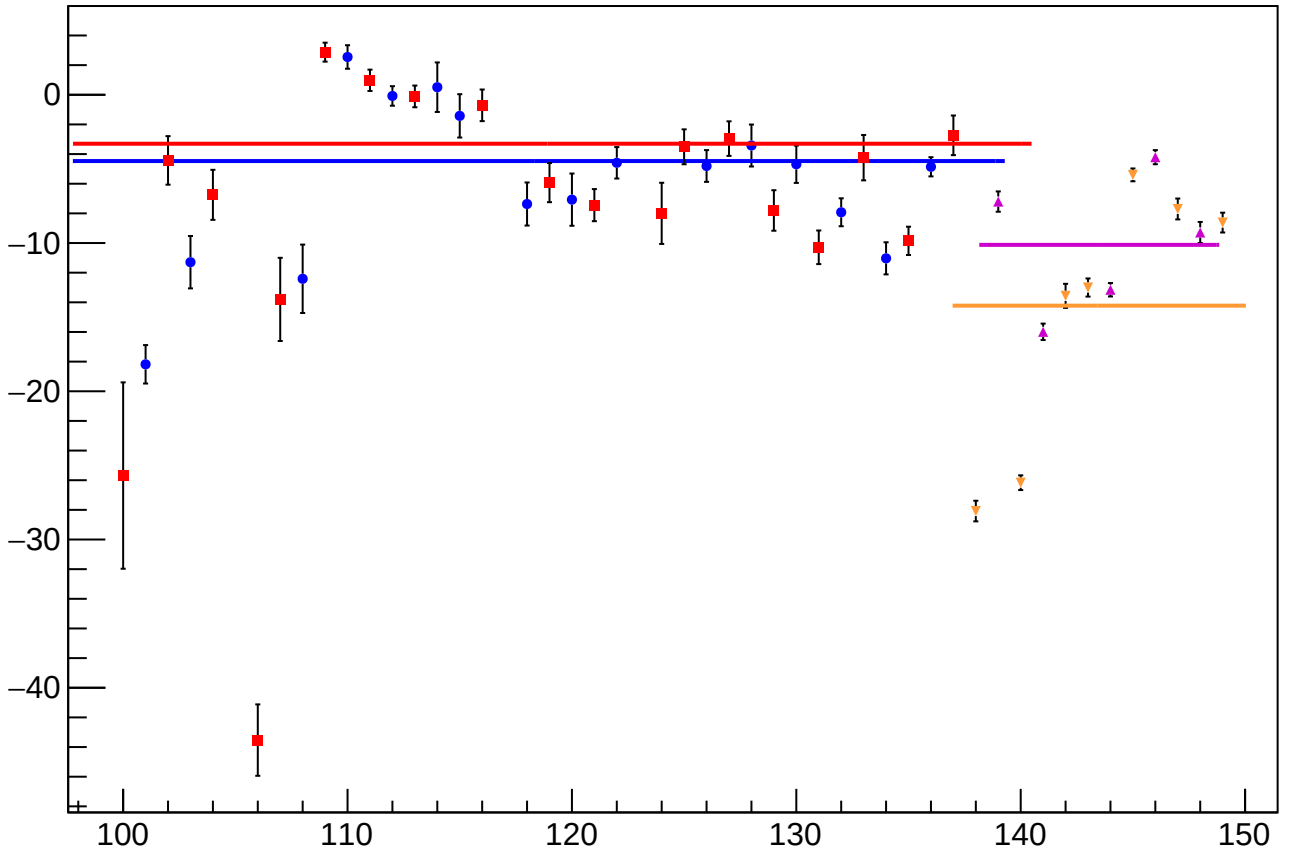
Left: -0.017+/-0.002 χ^2/NDF: 68.1/11

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.012+/-0.003 χ^2/NDF:976.7/20

Out: 0.000+/-0.003 χ^2/NDF:1117.9/25

All: 0.006+/-0.002 χ^2/NDF: 2102.4/46



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.225+/-0.224 χ^2/NDF:1553.0/6

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: -12.357+/-0.165 χ^2/NDF: 2036.7/11

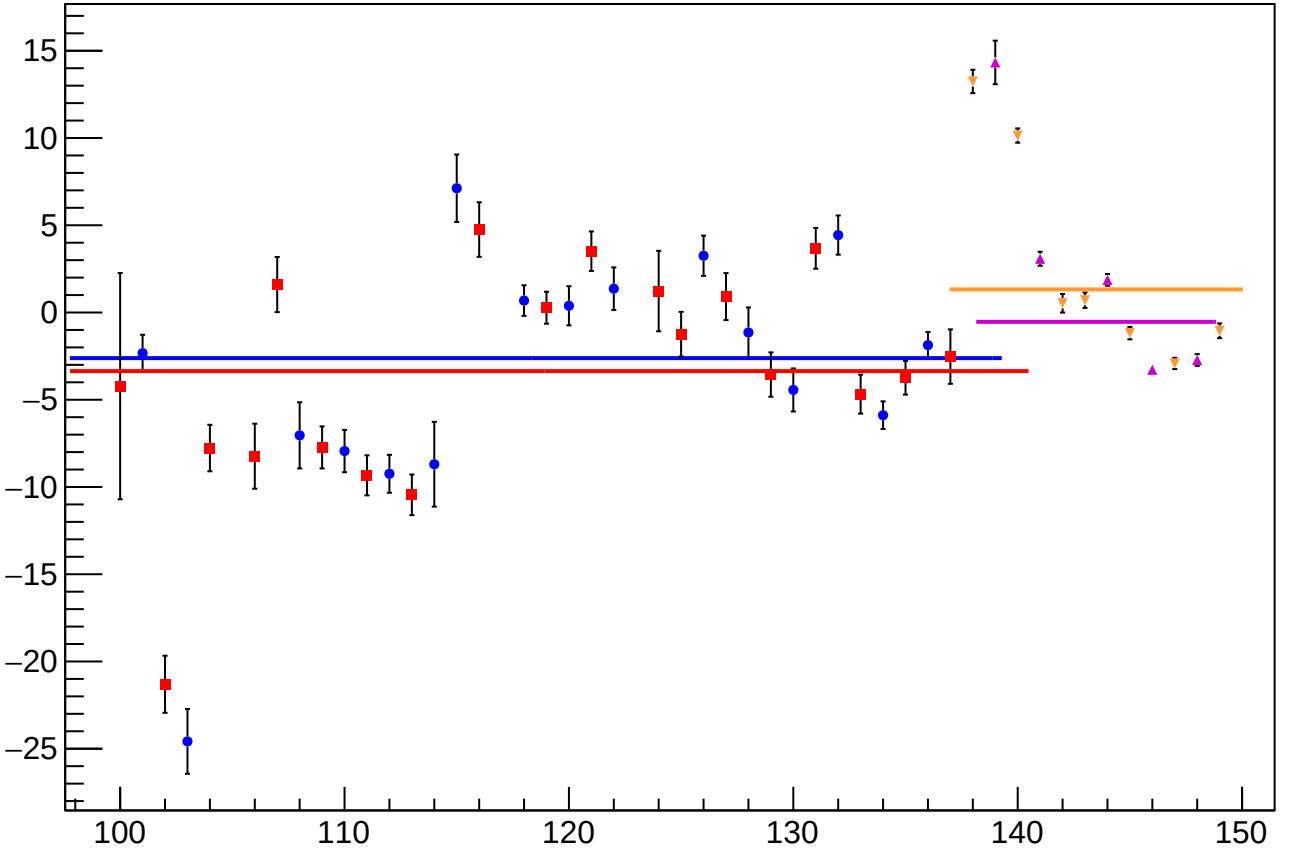
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -7.556+/-0.181 χ^2/NDF:904.9/20

Out: -9.587+/-0.170 χ^2/NDF:3146.8/25

All: -8.635+/-0.124 χ^2/NDF: 4118.6/46

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.324+/-0.158 χ^2/NDF:1037.1/6

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: 0.427+/-0.114 χ^2/NDF: 1514.4/11

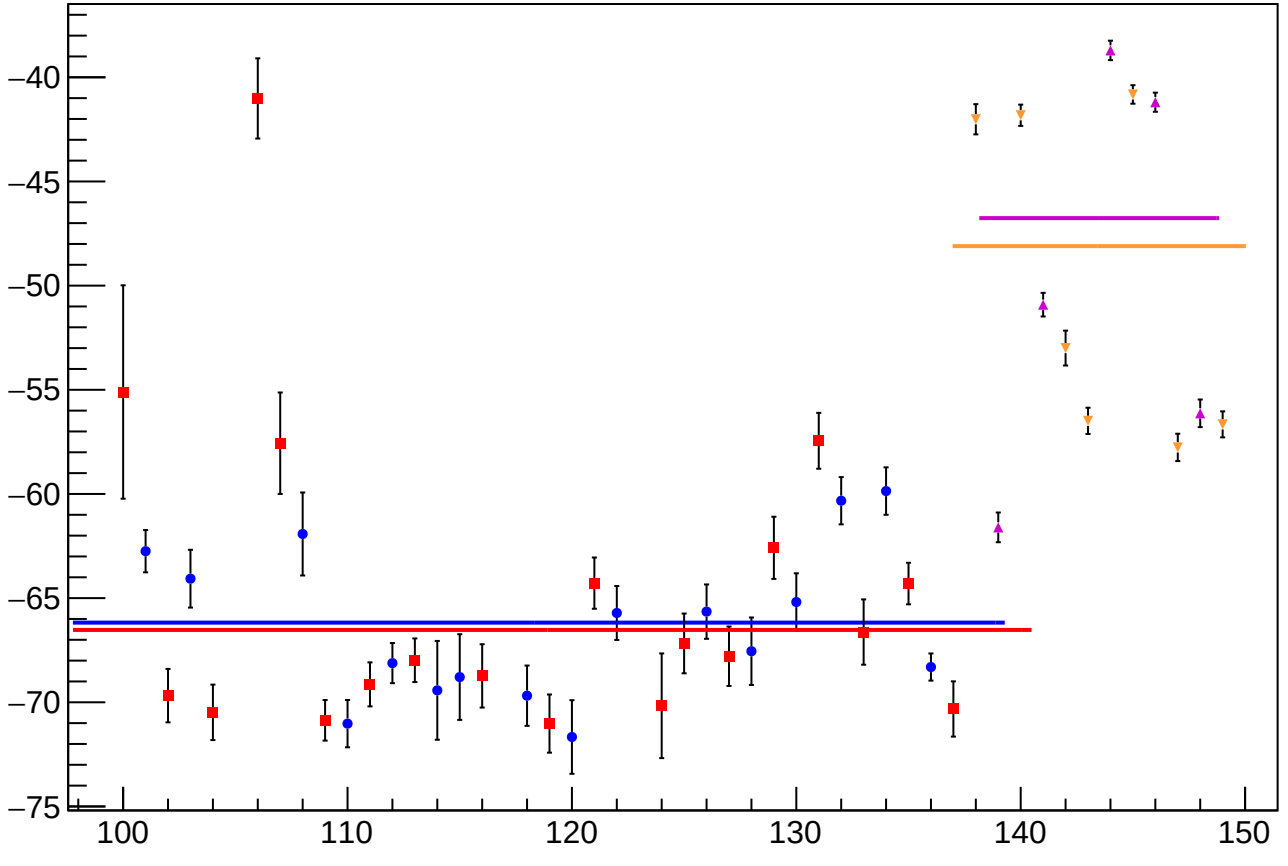
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.052+/-0.142 χ^2/NDF:802.6/20

Out: 0.295+/-0.140 χ^2/NDF:1588.5/25

All: -0.367+/-0.100 χ^2/NDF: 2436.6/46

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.104+/-0.226 χ^2/NDF:1106.1/6

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -46.760+/-0.245 χ^2/NDF:1130.8/4

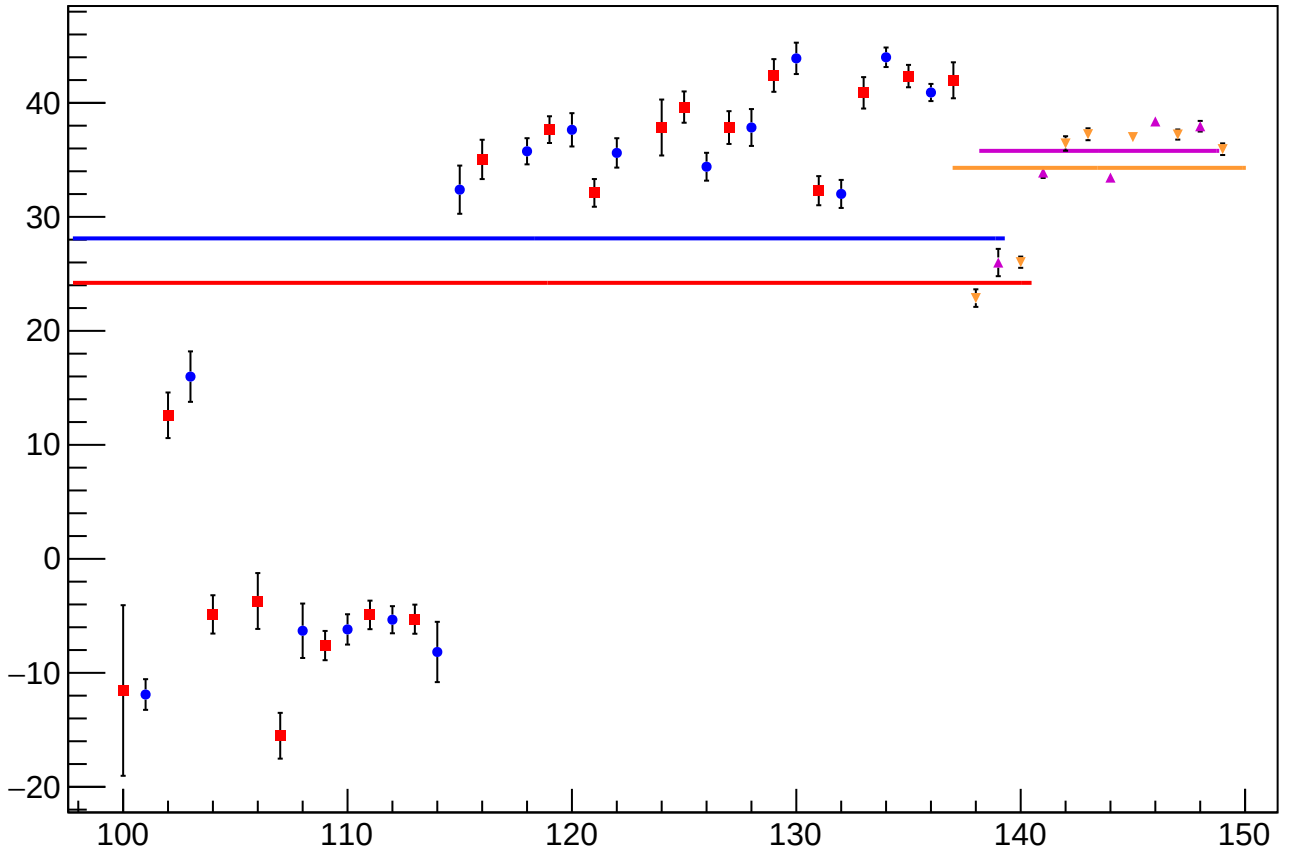
Left: -47.487+/-0.166 χ^2/NDF: 2253.2/11

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.387+/-0.191 χ^2/NDF:3731.6/20

Out: -54.420+/-0.183 χ^2/NDF:3712.0/25

All: -54.404+/-0.132 χ^2/NDF: 7443.6/46



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.300+/-0.193 χ^2/NDF:641.9/6

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.791+/-0.204 χ^2/NDF:192.7/4

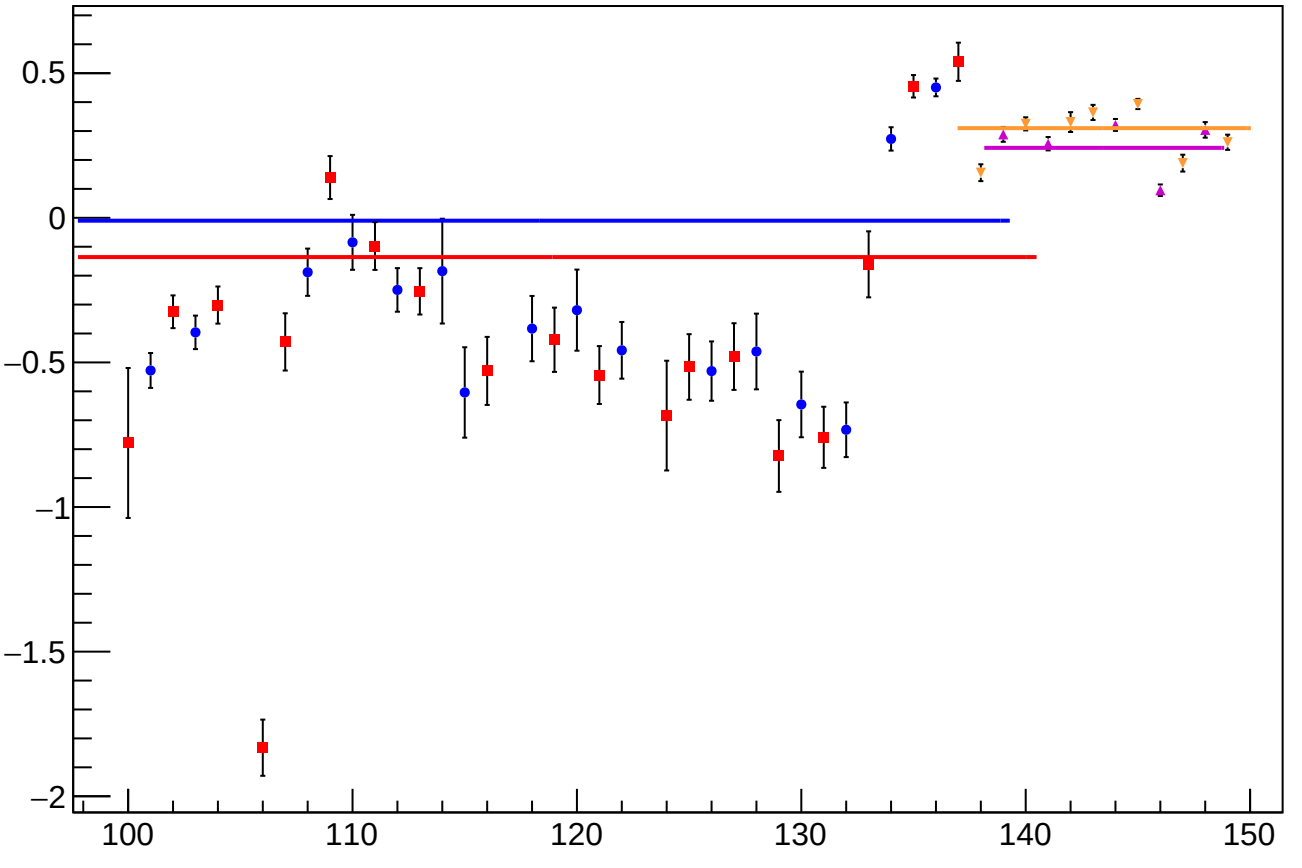
Left: 35.005+/-0.140 χ^2/NDF: 862.8/11

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.575+/-0.172 χ^2/NDF:4330.2/20

Out: 31.792+/-0.167 χ^2/NDF:5162.6/25

All: 32.660+/-0.120 χ^2/NDF: 9548.0/46



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.310+/-0.009 χ^2/NDF:76.2/6

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: 0.279+/-0.007 χ^2/NDF: 178.0/11

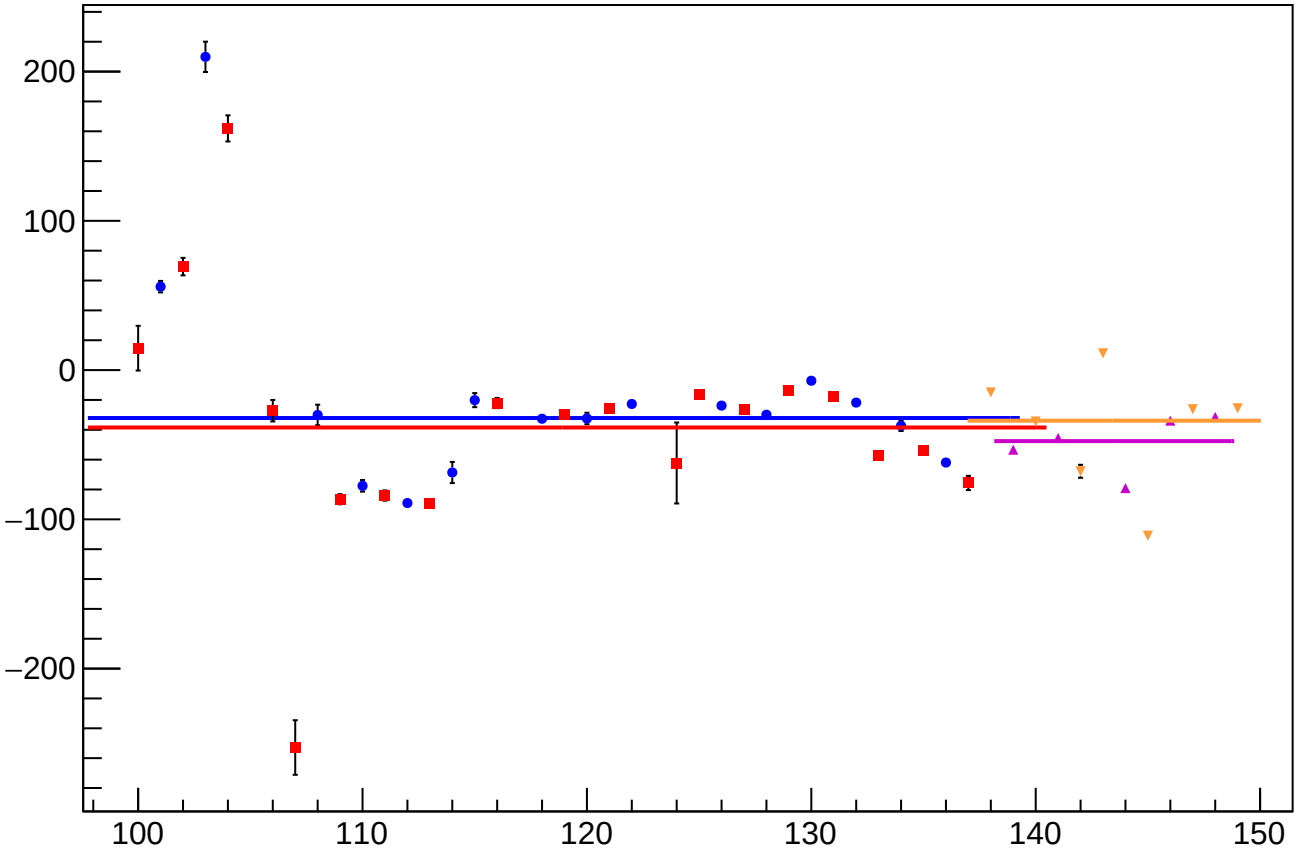
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.177+/-0.009 χ^2/NDF:822.0/20

Out: 0.221+/-0.008 χ^2/NDF:1342.9/25

All: 0.200+/-0.006 χ^2/NDF: 2177.8/46

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -33.905+/-1.106 χ^2/NDF:899.3/6

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -47.591+/-1.217 χ^2/NDF:175.1/4

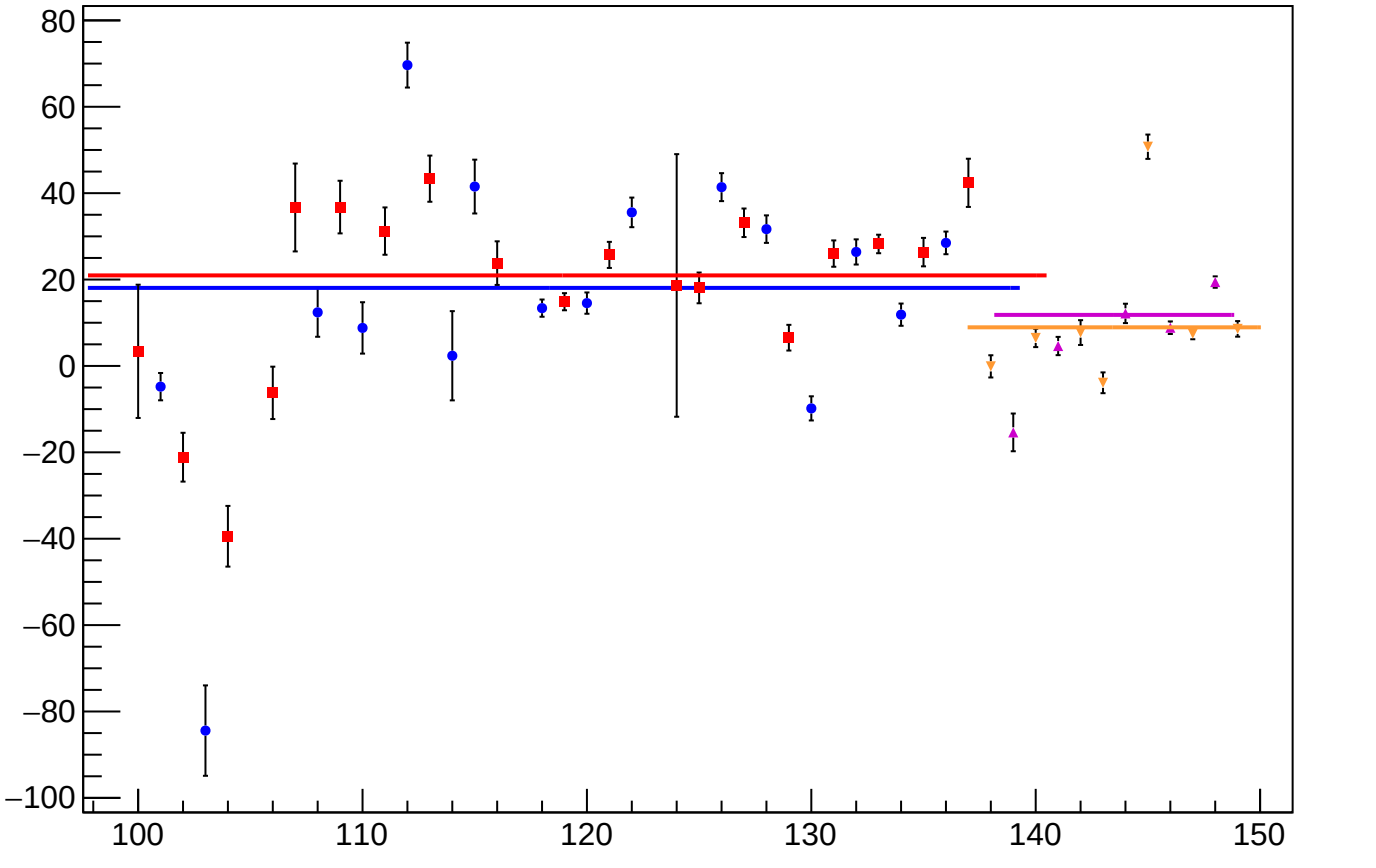
Left: -40.097+/-0.818 χ^2/NDF: 1143.7/11

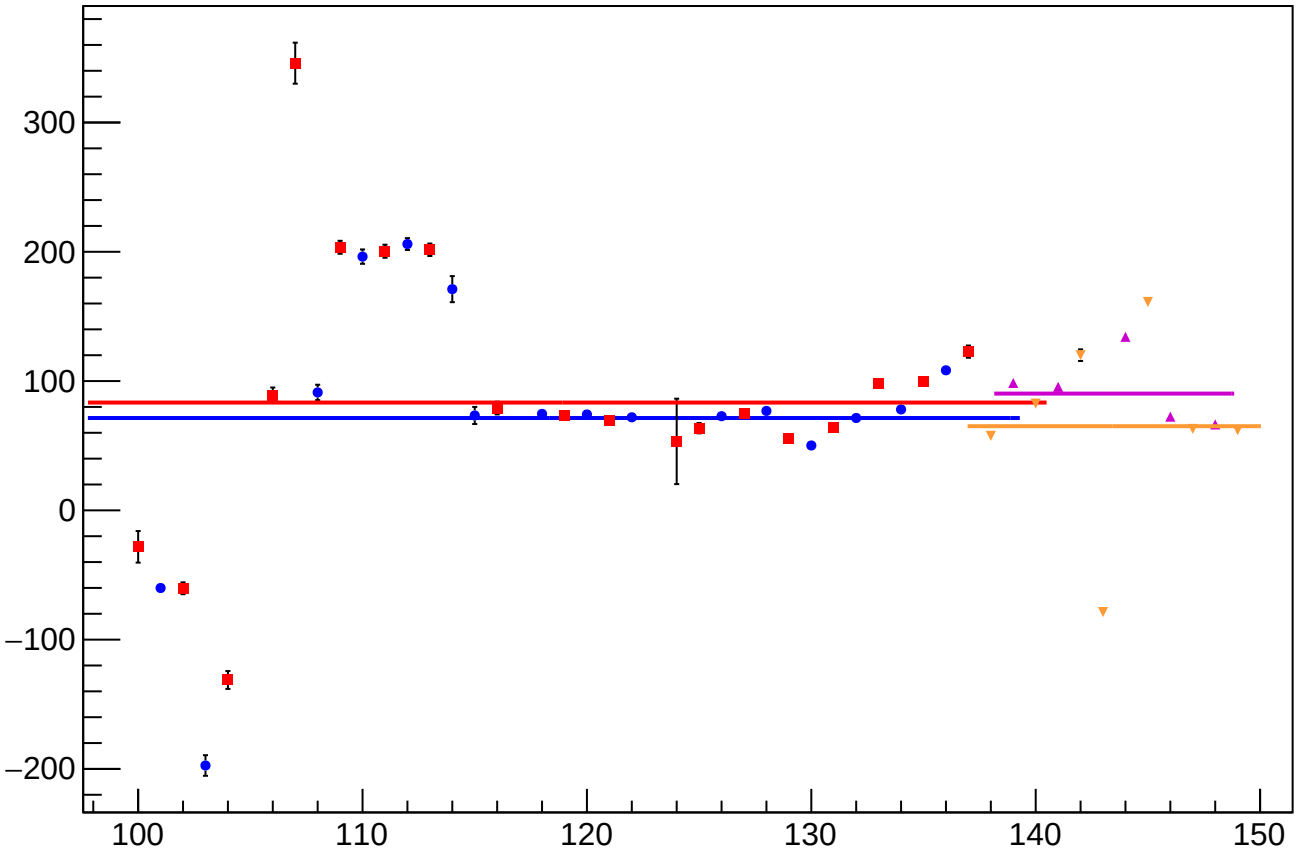
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -37.134+/-0.693 χ^2/NDF:2161.9/20

Out: -36.733+/-0.681 χ^2/NDF:2882.3/25

All: -36.930+/-0.486 χ^2/NDF: 5044.4/46


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 8.940+/-0.767 χ²/NDF:264.2/6
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 11.817+/-0.811 χ²/NDF:87.8/4
Left: 10.297+/-0.557 χ²/NDF: 358.6/11
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 14.898+/-0.578 χ²/NDF:616.6/20
Out: 14.205+/-0.575 χ²/NDF:634.5/25
All: 14.550+/-0.407 χ²/NDF: 1251.8/46



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 65.090+/-1.103 χ^2/NDF:2871.0/6

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 90.317+/-1.211 χ^2/NDF:345.6/4

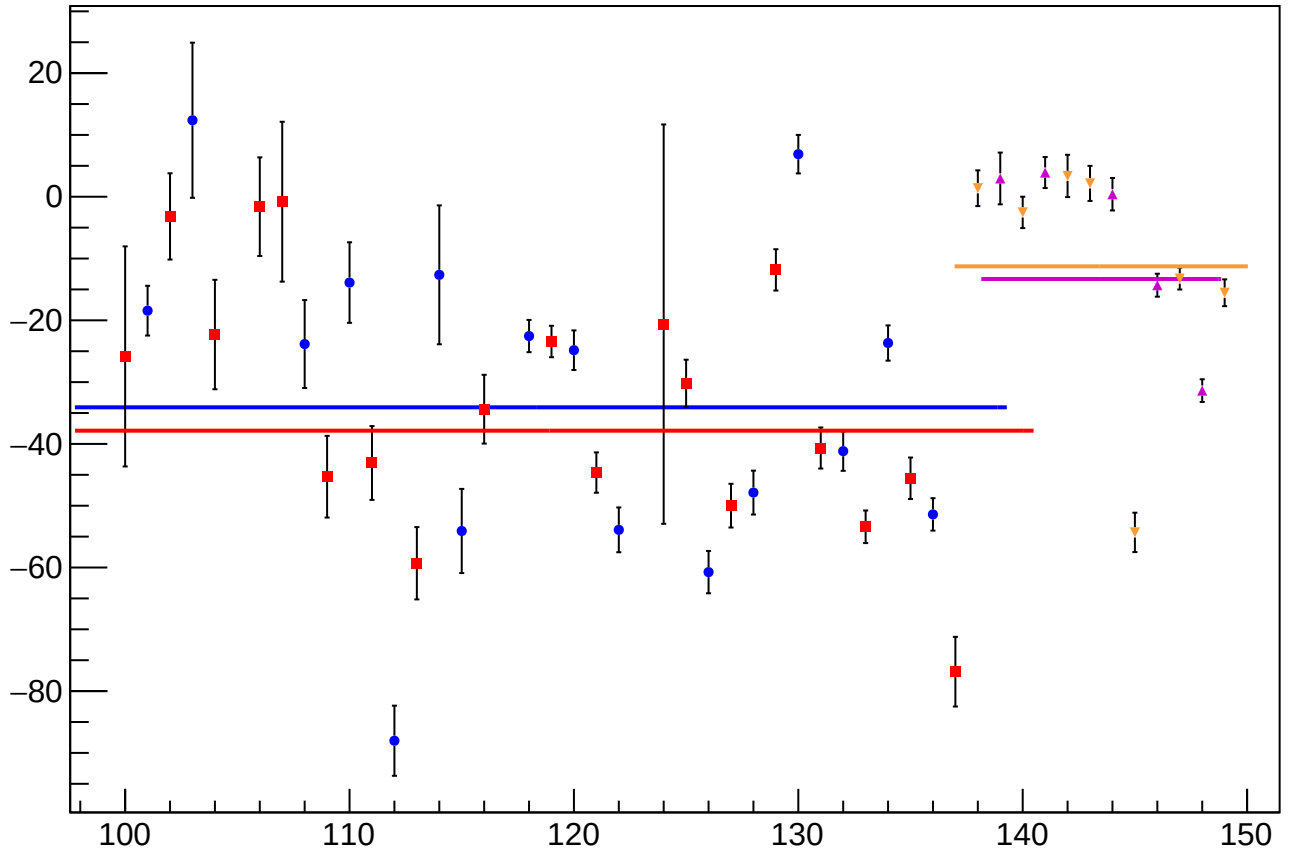
Left: 76.523+/-0.816 χ^2/NDF: 3453.7/11

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 78.439+/-0.738 χ^2/NDF:5318.1/20

Out: 75.266+/-0.735 χ^2/NDF:7321.4/25

All: 76.845+/-0.521 χ^2/NDF: 12648.8/46



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.266+/-0.947 χ^2/NDF:259.2/6

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -13.311+/-1.027 χ^2/NDF:186.6/4

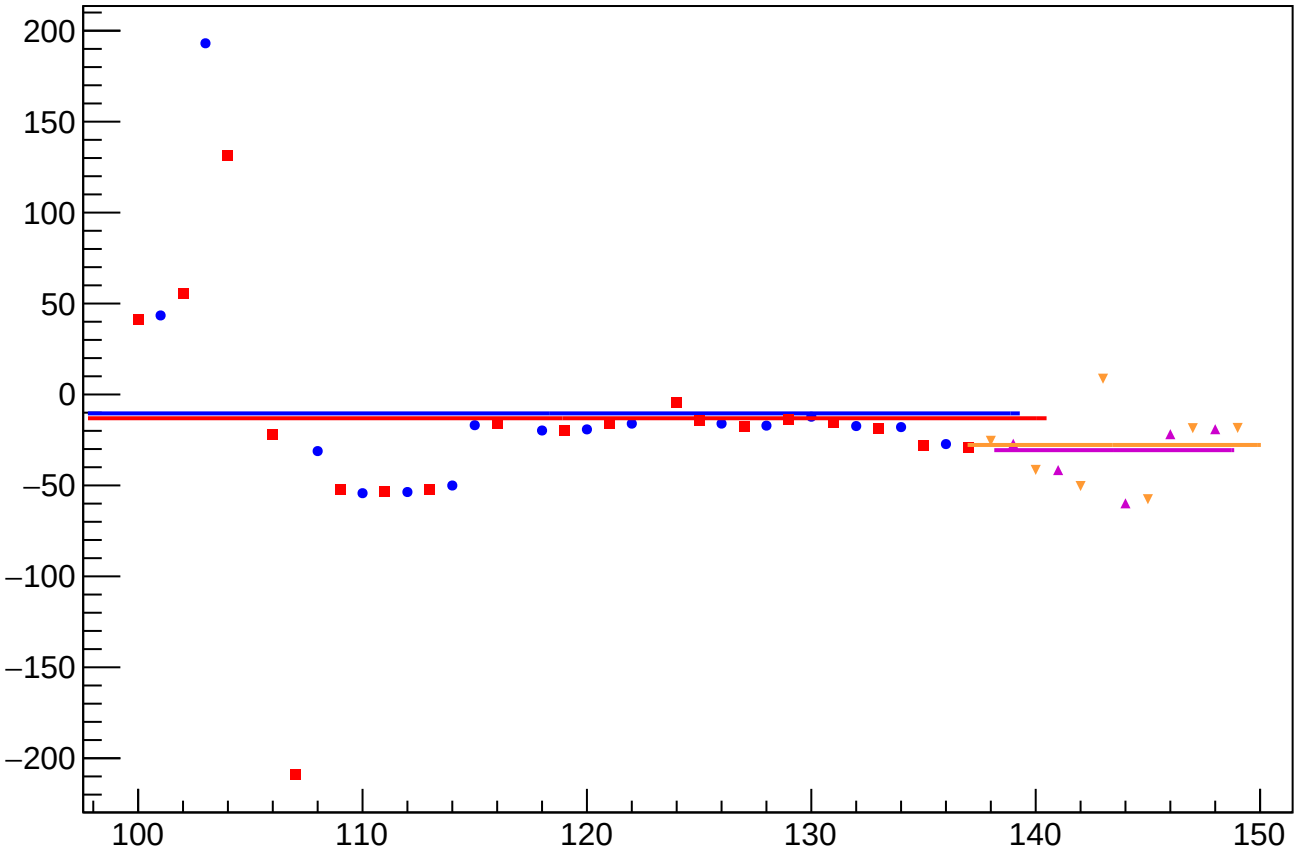
Left: -12.205+/-0.696 χ^2/NDF: 447.9/11

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -24.589+/-0.694 χ^2/NDF:919.7/20

Out: -23.917+/-0.686 χ^2/NDF:909.1/25

All: -24.248+/-0.488 χ^2/NDF: 1829.3/46



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -27.754+/-0.046 χ^2/NDF:164050.5/6

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -30.612+/-0.049 χ^2/NDF:71943.1/4

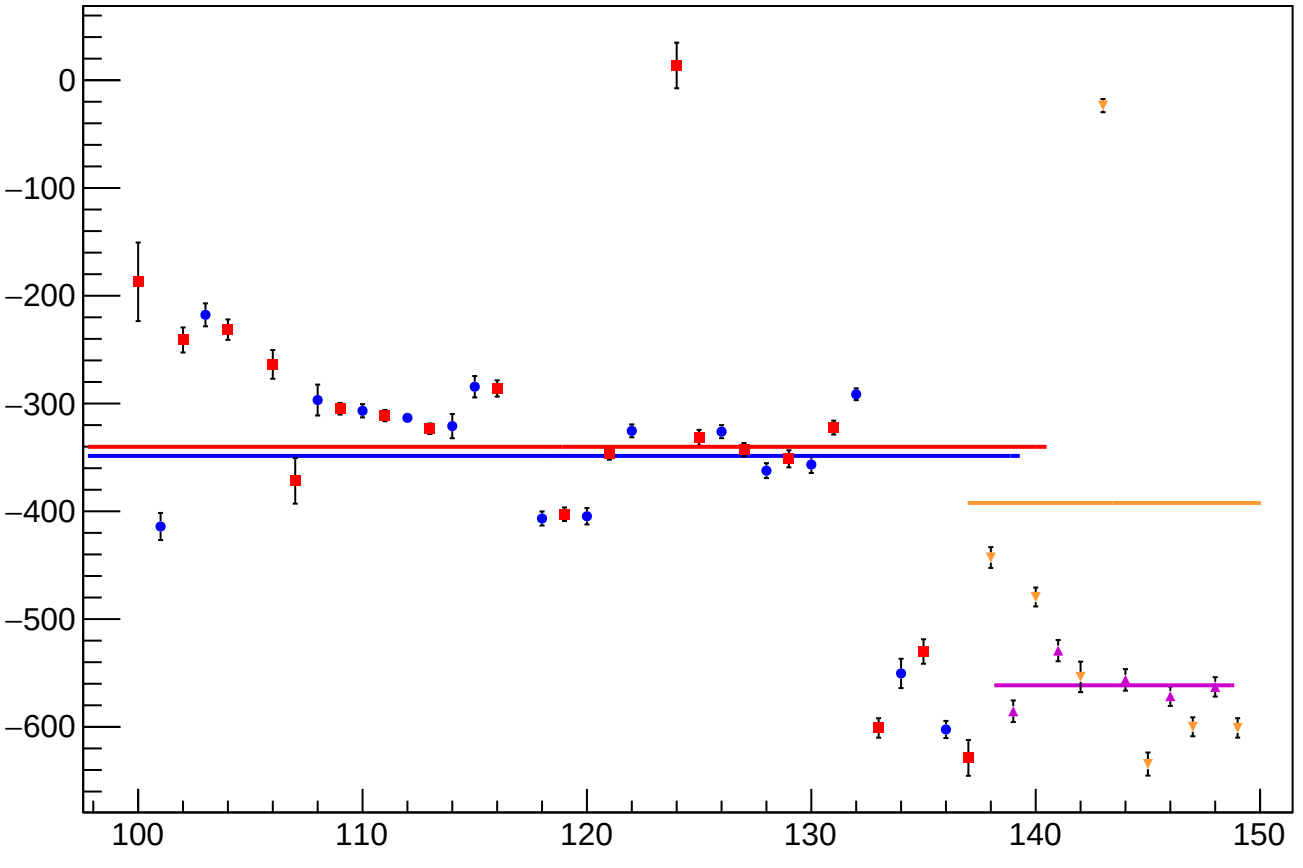
Left: -29.102+/-0.033 χ^2/NDF: 237808.2/11

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -22.038+/-0.037 χ^2/NDF:667138.0/20

Out: -22.596+/-0.037 χ^2/NDF:649307.8/25

All: -22.316+/-0.026 χ^2/NDF: 1316558.9/46



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -392.287+/-3.347 χ^2/NDF:5488.8/6

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -561.427+/-4.271 χ^2/NDF:18.0/4

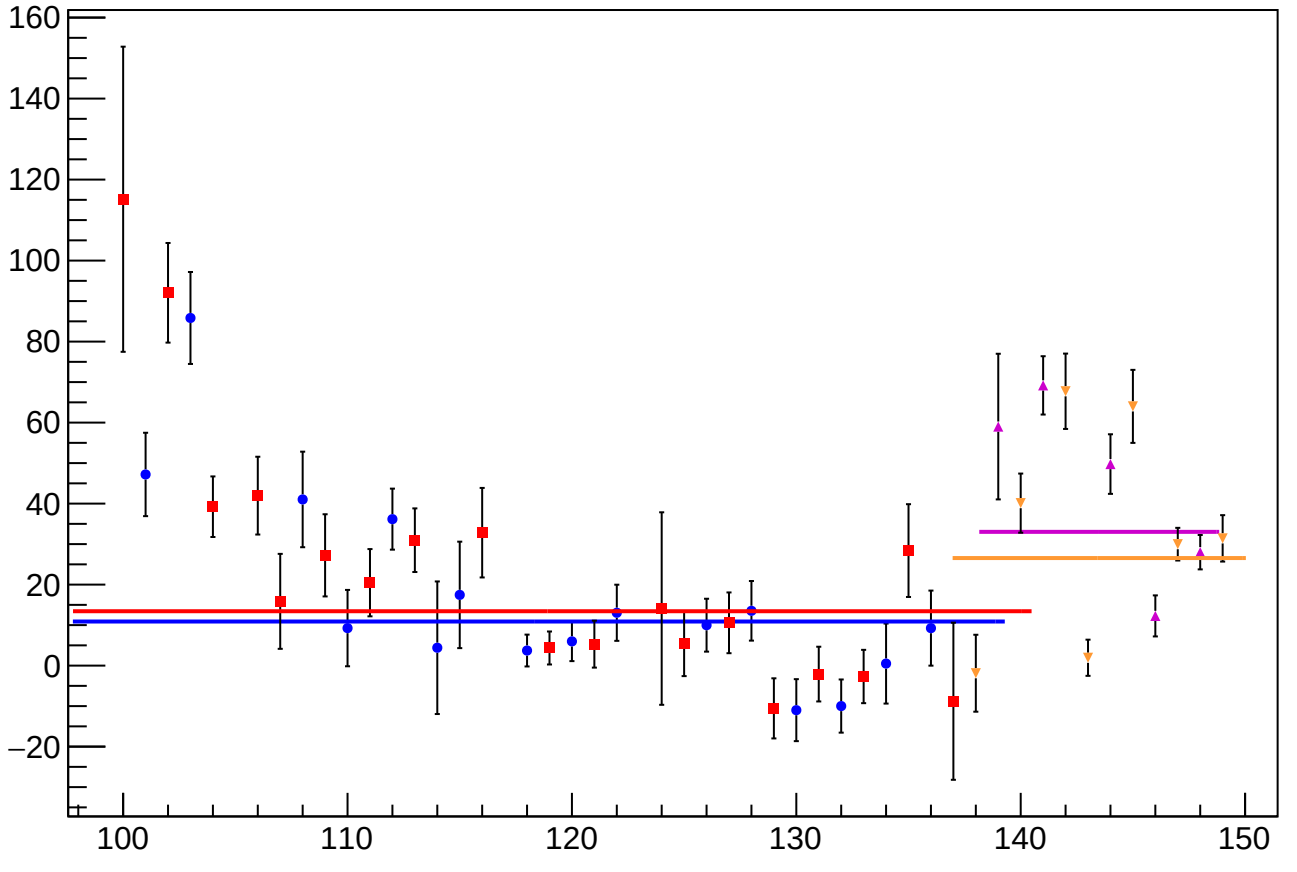
Left: -456.633+/-2.635 χ^2/NDF: 6478.2/11

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -381.431+/-1.678 χ^2/NDF:3976.0/20

Out: -351.432+/-1.557 χ^2/NDF:7876.1/25

All: -365.315+/-1.141 χ^2/NDF: 12023.7/46



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 26.556+/-2.260 χ^2/NDF:81.1/6

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: 29.199+/-1.738 χ^2/NDF: 135.1/11

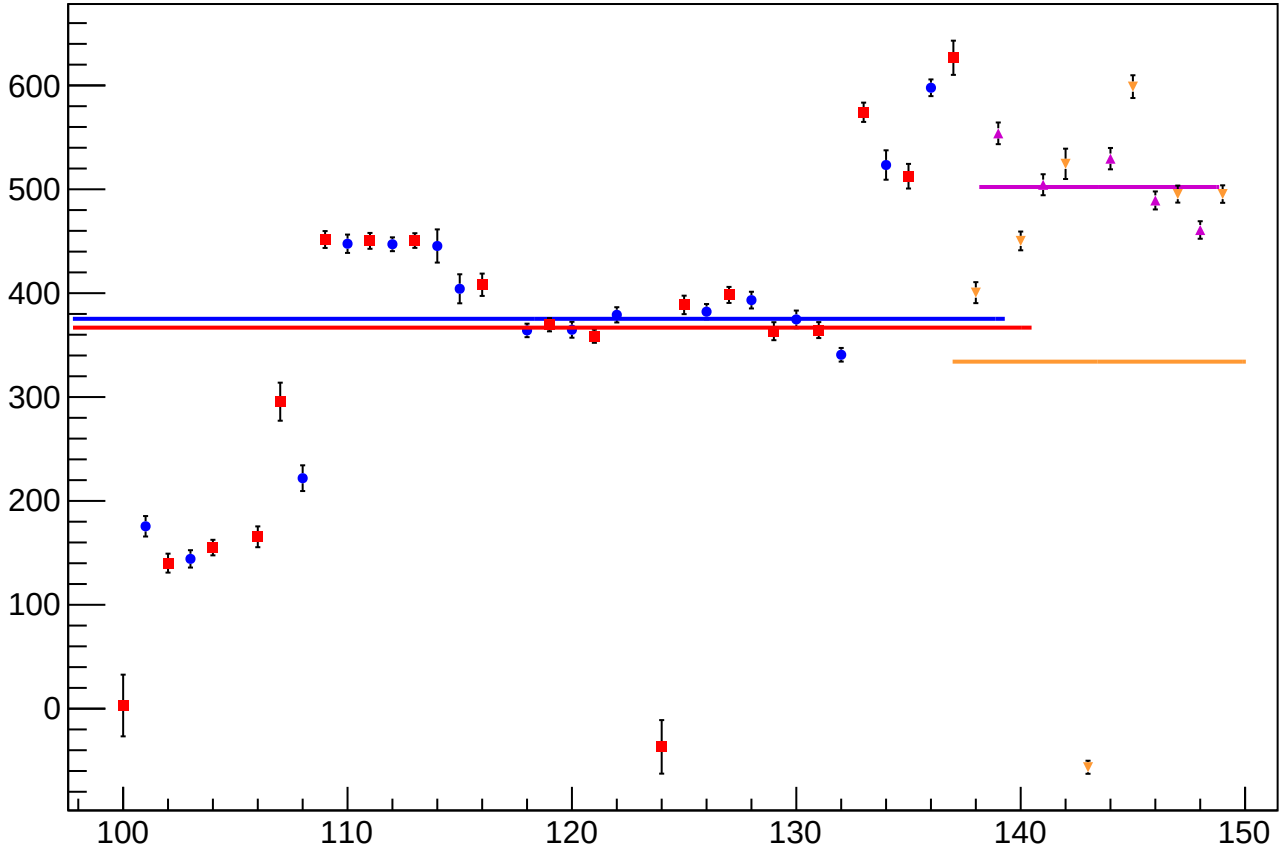
Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 17.857+/-1.525 χ^2/NDF:194.3/20

Out: 18.710+/-1.434 χ^2/NDF:213.7/25

All: 18.310+/-1.045 χ^2/NDF: 408.2/46

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 334.082+/-3.347 χ^2/NDF:5562.6/6

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 502.217+/-4.233 χ^2/NDF:57.9/4

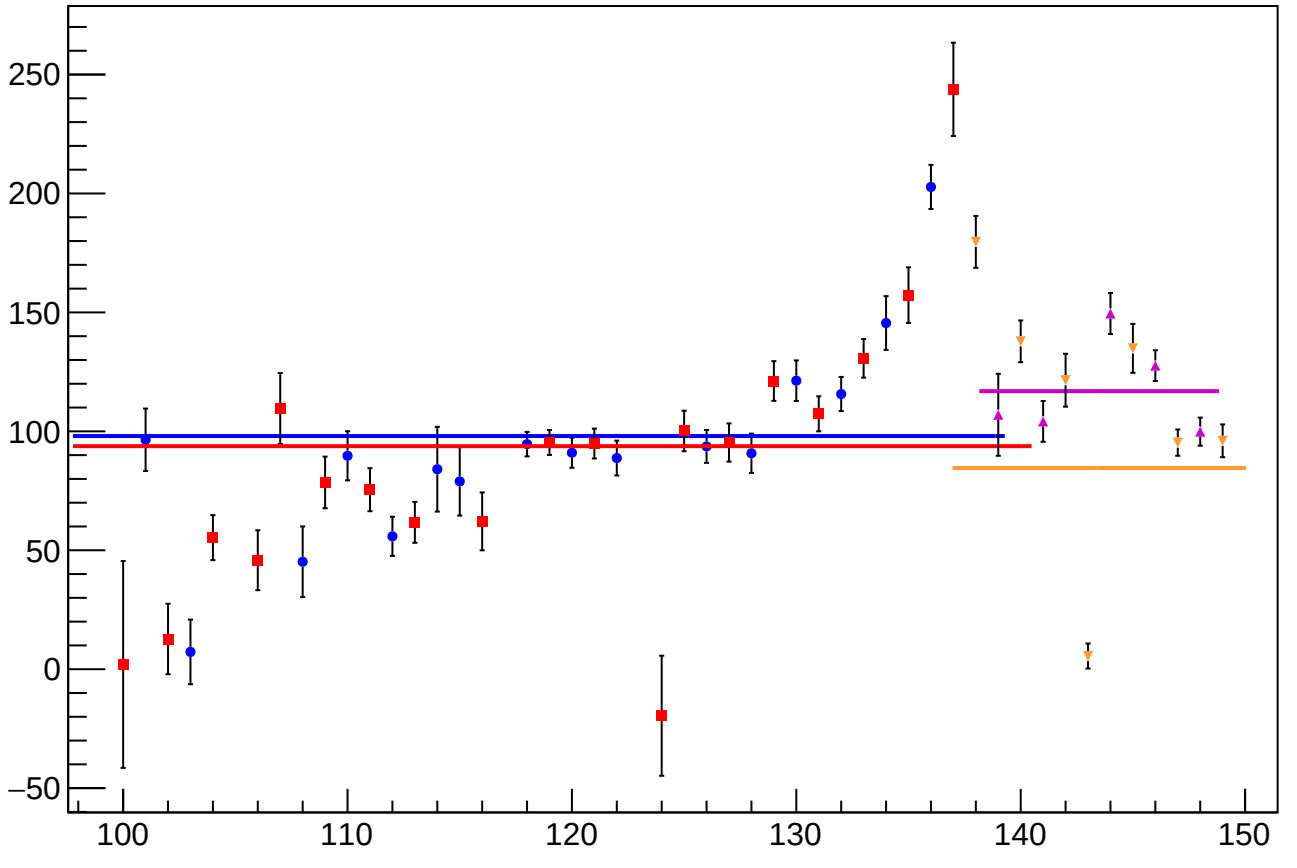
Left: 398.748+/-2.625 χ^2/NDF: 6591.4/11

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 400.435+/-1.883 χ^2/NDF:3228.2/20

Out: 357.898+/-1.748 χ^2/NDF:9173.4/25

All: 377.582+/-1.281 χ^2/NDF: 12675.6/46



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 84.591+/-2.787 χ^2/NDF:379.9/6

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 116.907+/-3.470 χ^2/NDF:27.9/4

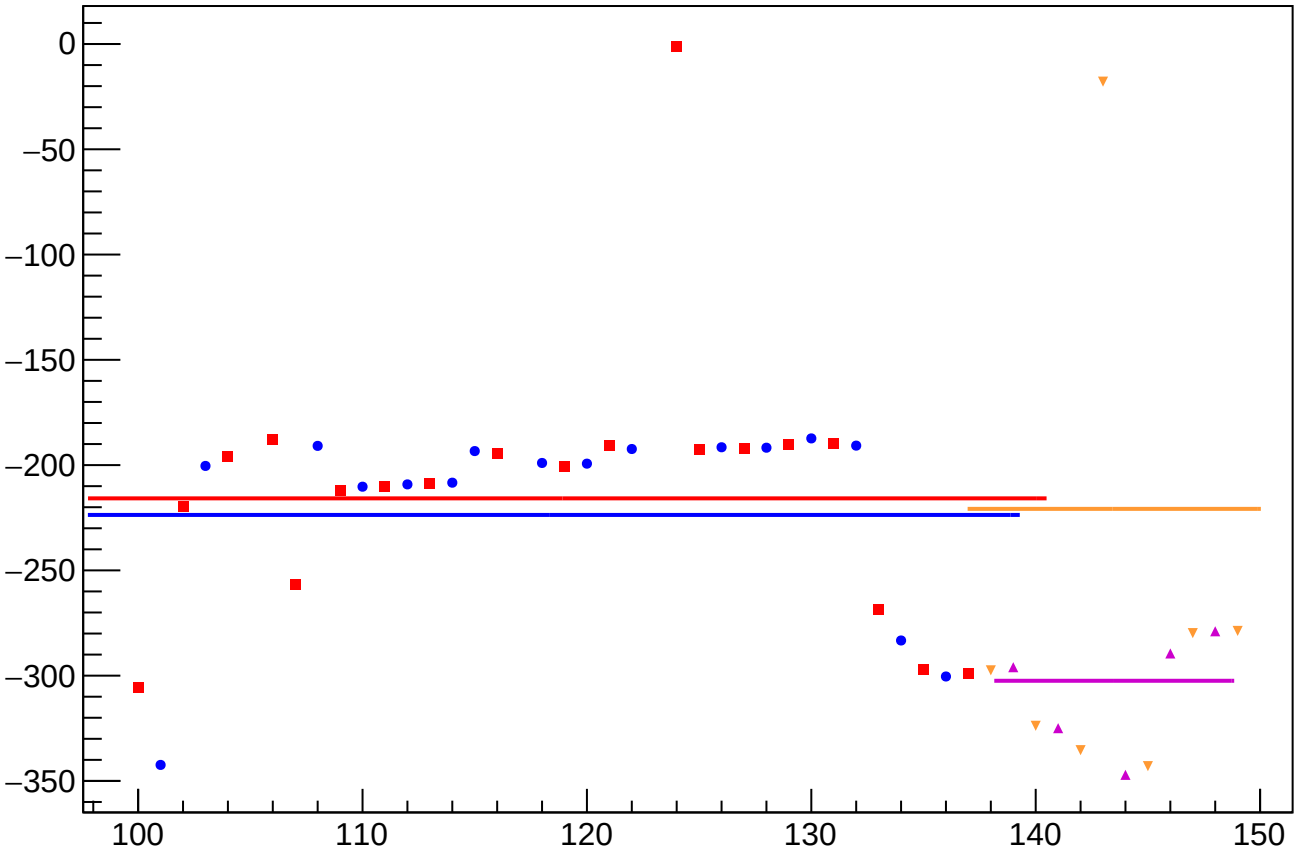
Left: 97.265+/-2.173 χ^2/NDF: 460.5/11

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 103.240+/-1.824 χ^2/NDF:298.8/20

Out: 90.370+/-1.697 χ^2/NDF:623.8/25

All: 96.339+/-1.242 χ^2/NDF: 949.3/46



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -220.784+/-0.141 χ^2/NDF:872450.1/6

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -302.435+/-0.173 χ^2/NDF:18600.3/4

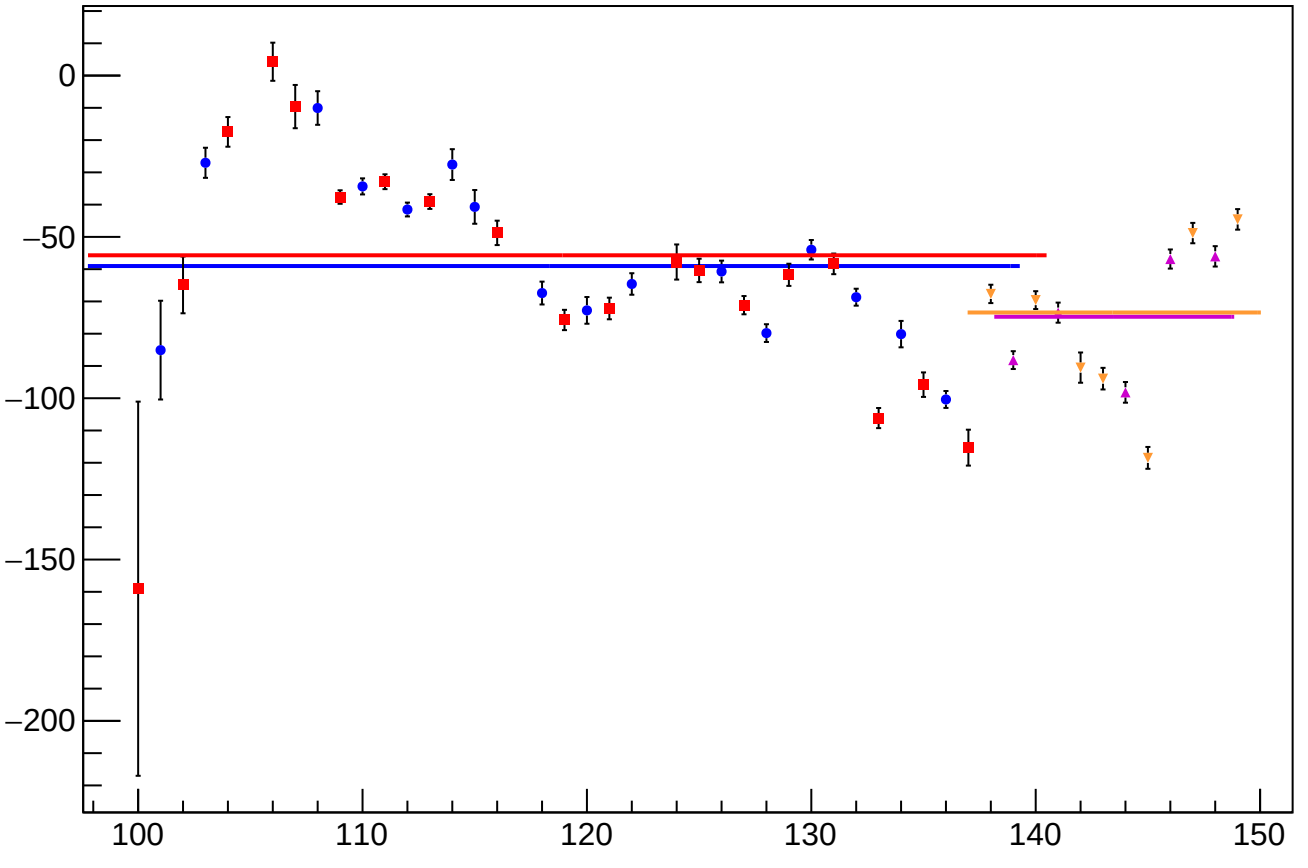
Left: -253.384+/-0.109 χ^2/NDF: 1025301.9/11

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -254.435+/-0.108 χ^2/NDF:266866.6/20

Out: -218.172+/-0.097 χ^2/NDF:954623.5/25

All: -234.406+/-0.072 χ^2/NDF: 1283816.5/46



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -73.427+/-1.217 χ^2/NDF:376.6/6

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -74.747+/-1.354 χ^2/NDF:148.8/4

Left: -74.017+/-0.905 χ^2/NDF: 525.9/11

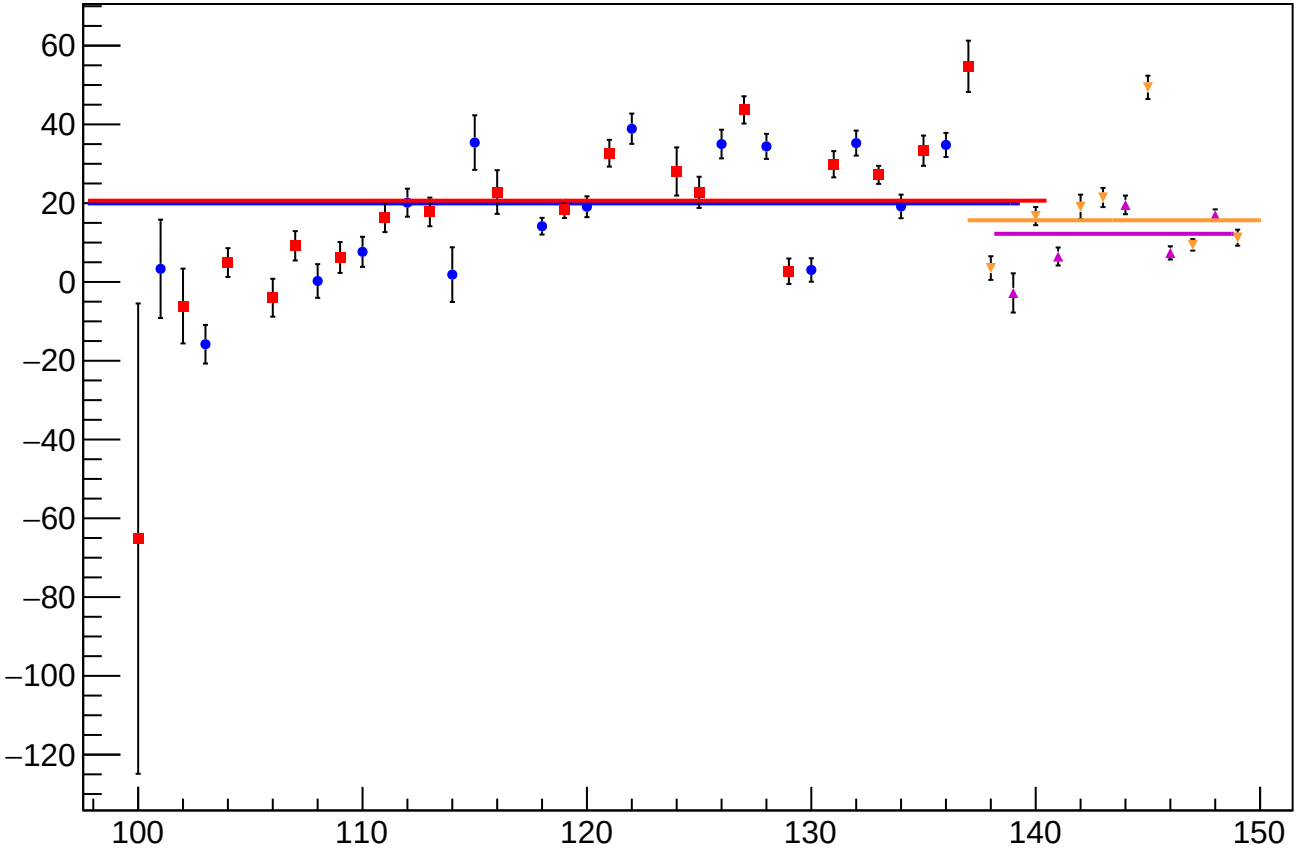
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -63.318+/-0.707 χ^2/NDF:974.1/20

Out: -60.956+/-0.663 χ^2/NDF:1567.0/25

All: -62.060+/-0.484 χ^2/NDF: 2547.0/46

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 15.660+/-0.845 χ^2/NDF:176.1/6

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 12.227+/-0.908 χ^2/NDF:43.4/4

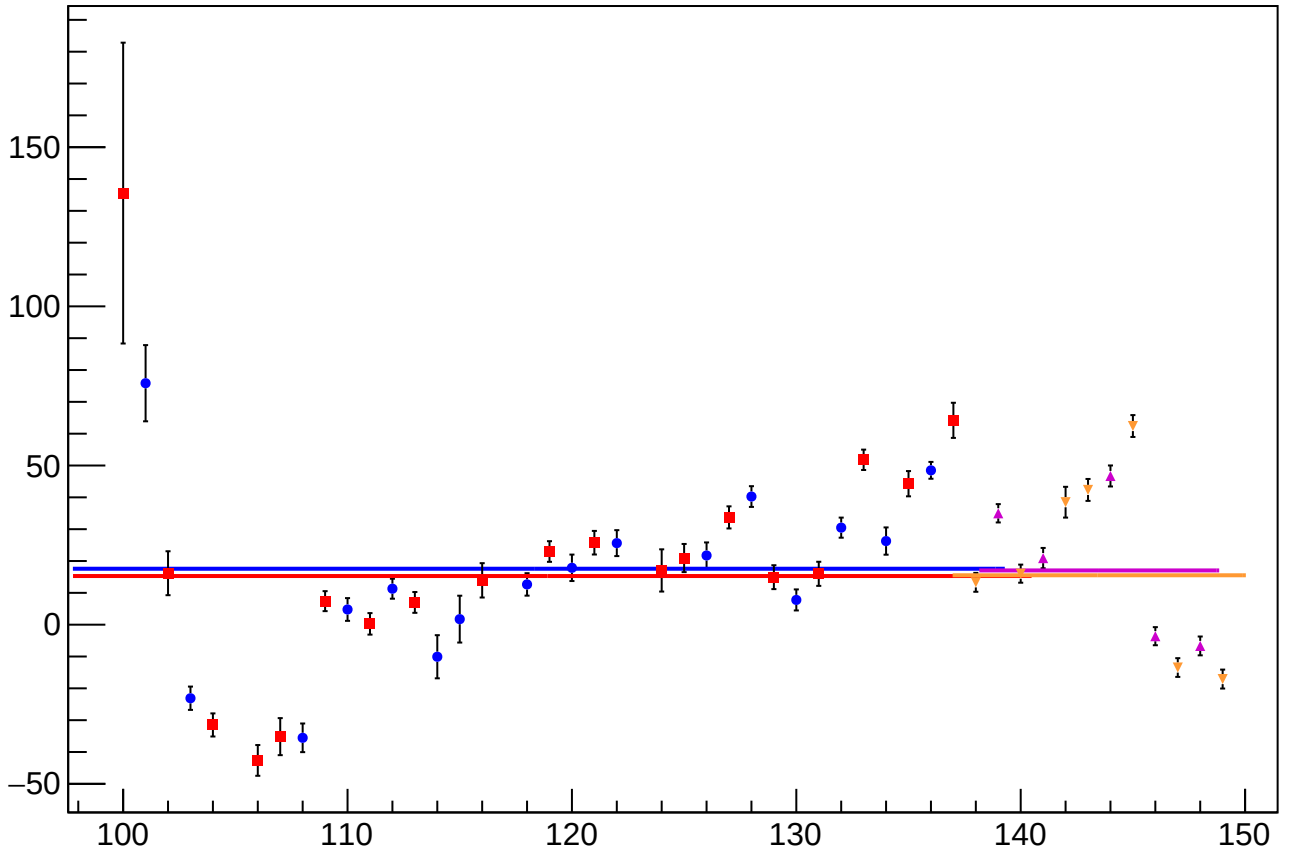
Left: 14.065+/-0.619 χ^2/NDF: 227.1/11

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 16.261+/-0.627 χ^2/NDF:328.3/20

Out: 18.156+/-0.597 χ^2/NDF:418.2/25

All: 17.255+/-0.432 χ^2/NDF: 751.3/46



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 15.520+/-1.215 χ^2/NDF:487.1/6

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 17.043+/-1.350 χ^2/NDF:238.4/4

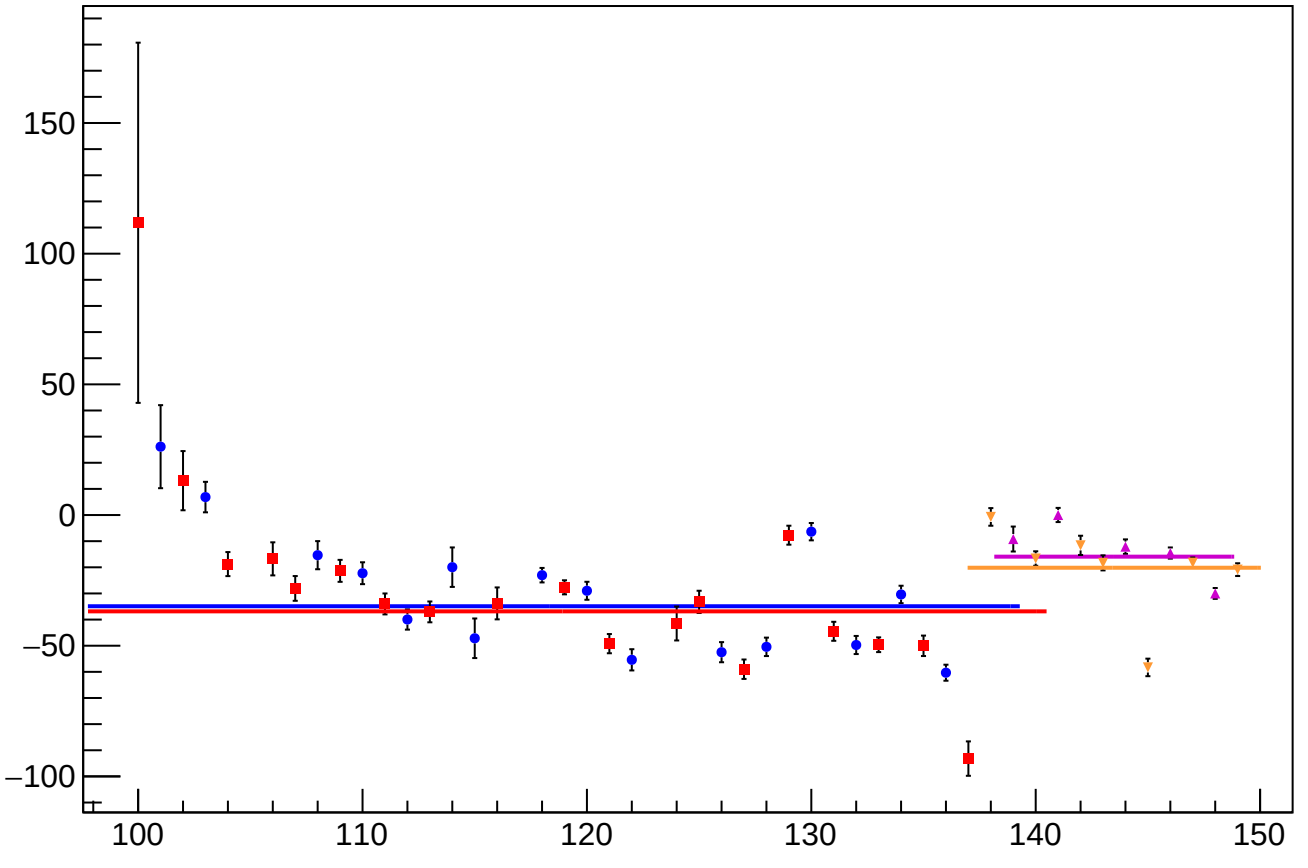
Left: 16.202+/-0.903 χ^2/NDF: 726.2/11

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 17.397+/-0.780 χ^2/NDF:784.7/20

Out: 15.371+/-0.740 χ^2/NDF:1217.1/25

All: 16.331+/-0.537 χ^2/NDF: 2005.4/46



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -20.164+/-1.042 χ^2/NDF:171.0/6

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -15.925+/-1.146 χ^2/NDF:84.8/4

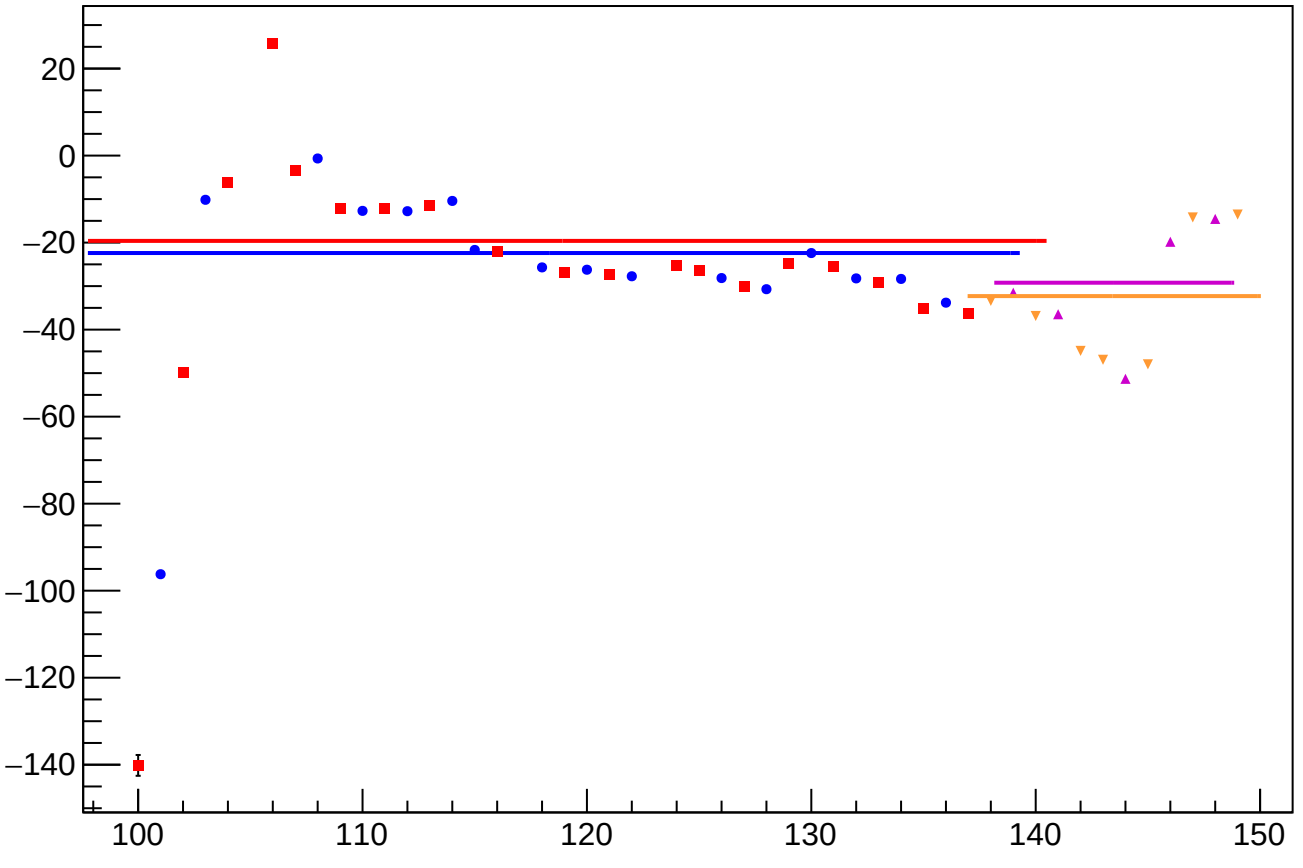
Left: -18.246+/-0.771 χ^2/NDF: 263.3/11

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -26.788+/-0.749 χ^2/NDF:588.4/20

Out: -29.107+/-0.710 χ^2/NDF:609.9/25

All: -28.010+/-0.515 χ^2/NDF: 1203.3/46



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -32.294+/-0.051 χ^2/NDF:71028.5/6

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -29.219+/-0.055 χ^2/NDF:46961.3/4

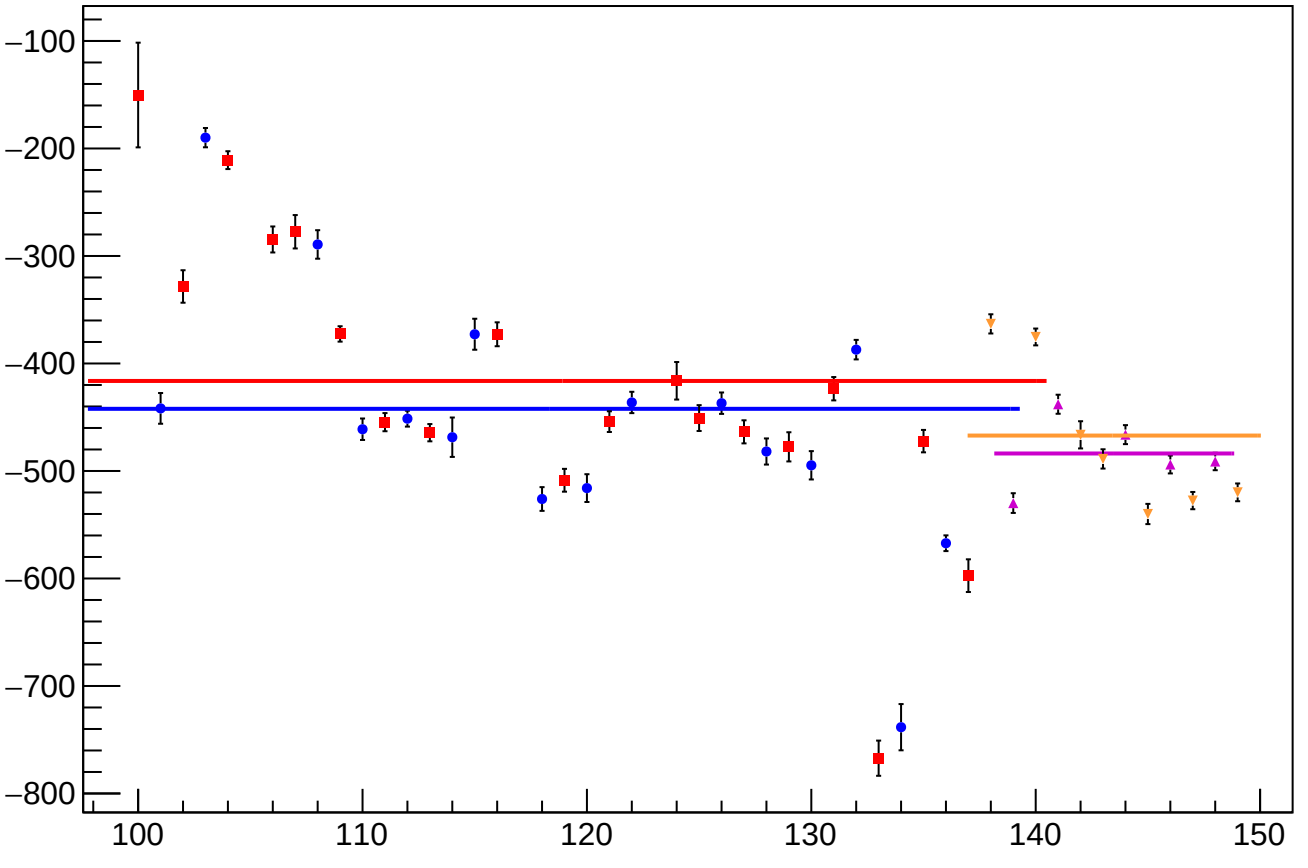
Left: -30.865+/-0.037 χ^2/NDF: 119694.4/11

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -26.035+/-0.040 χ^2/NDF:100794.8/20

Out: -26.942+/-0.039 χ^2/NDF:181236.2/25

All: -26.503+/-0.028 χ^2/NDF: 282298.7/46



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -467.053+/-3.352 χ^2/NDF:436.4/6

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -483.727+/-3.859 χ^2/NDF:58.4/4

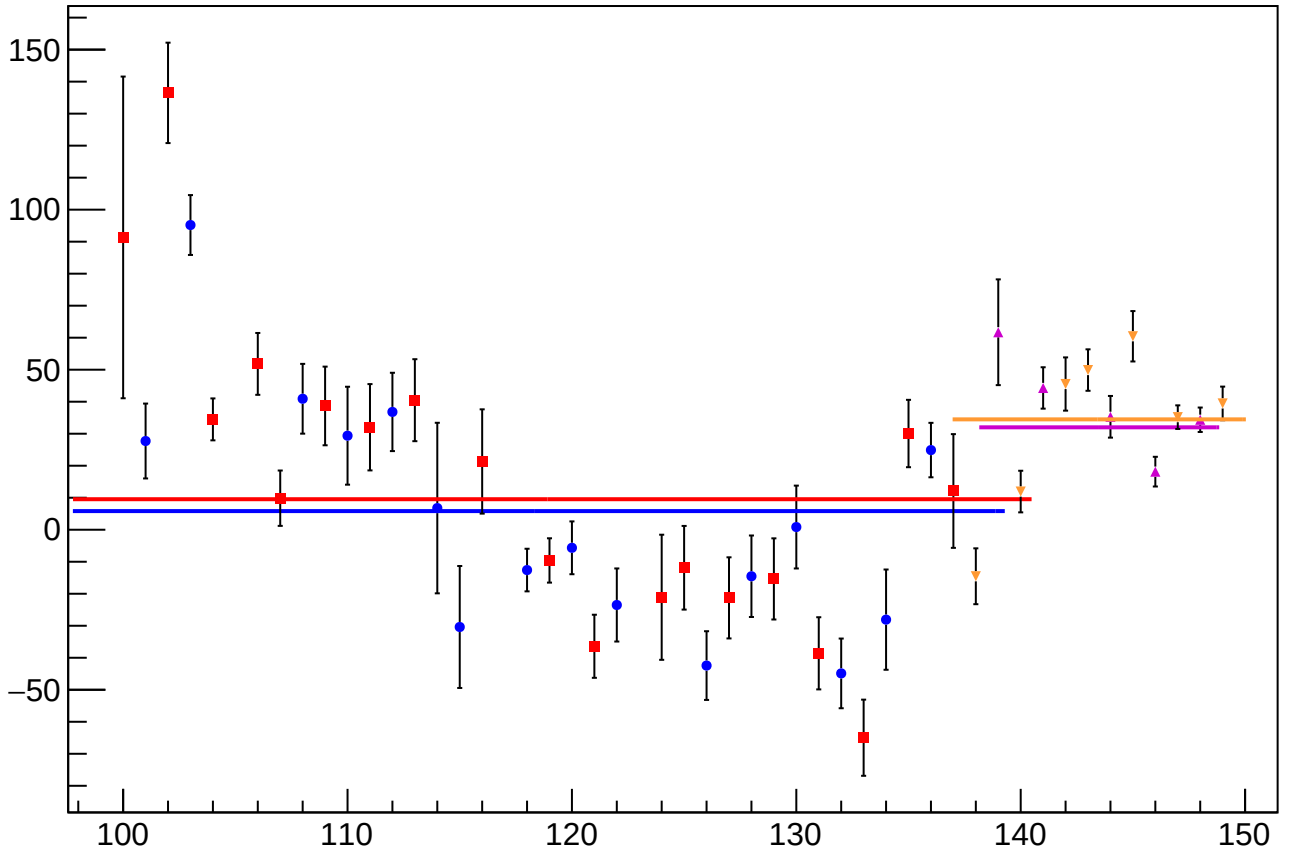
Left: -474.223+/-2.531 χ^2/NDF: 505.4/11

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -455.711+/-2.202 χ^2/NDF:1725.6/20

Out: -434.623+/-2.016 χ^2/NDF:2336.8/25

All: -444.236+/-1.487 χ^2/NDF: 4112.3/46



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 34.482+/-2.230 χ^2/NDF:62.8/6

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 31.995+/-2.452 χ^2/NDF:16.4/4

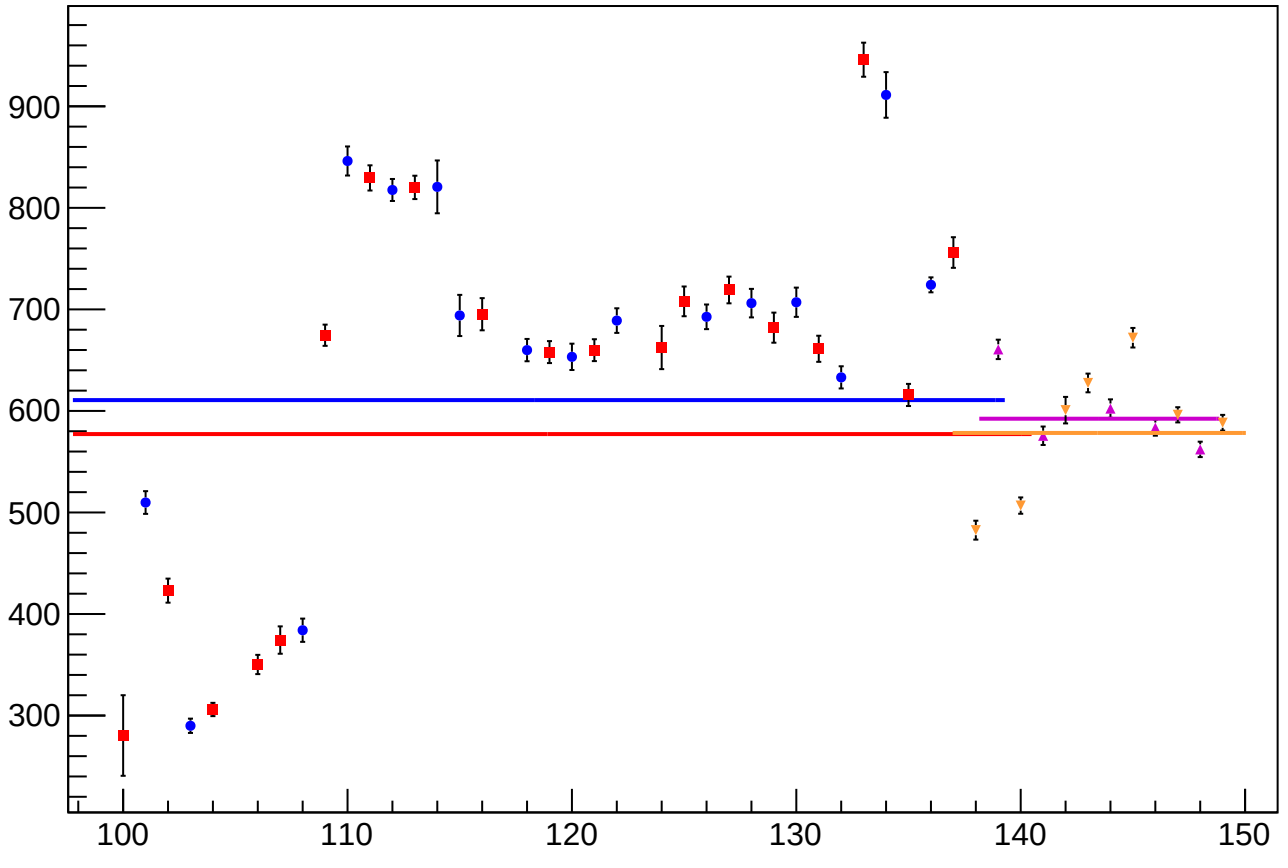
Left: 33.356+/-1.650 χ^2/NDF: 79.8/11

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 20.298+/-1.824 χ^2/NDF:255.4/20

Out: 23.700+/-1.681 χ^2/NDF:339.1/25

All: 22.138+/-1.236 χ^2/NDF: 596.4/46



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 578.315+/-3.334 χ^2/NDF:318.3/6

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 592.337+/-3.825 χ^2/NDF:72.7/4

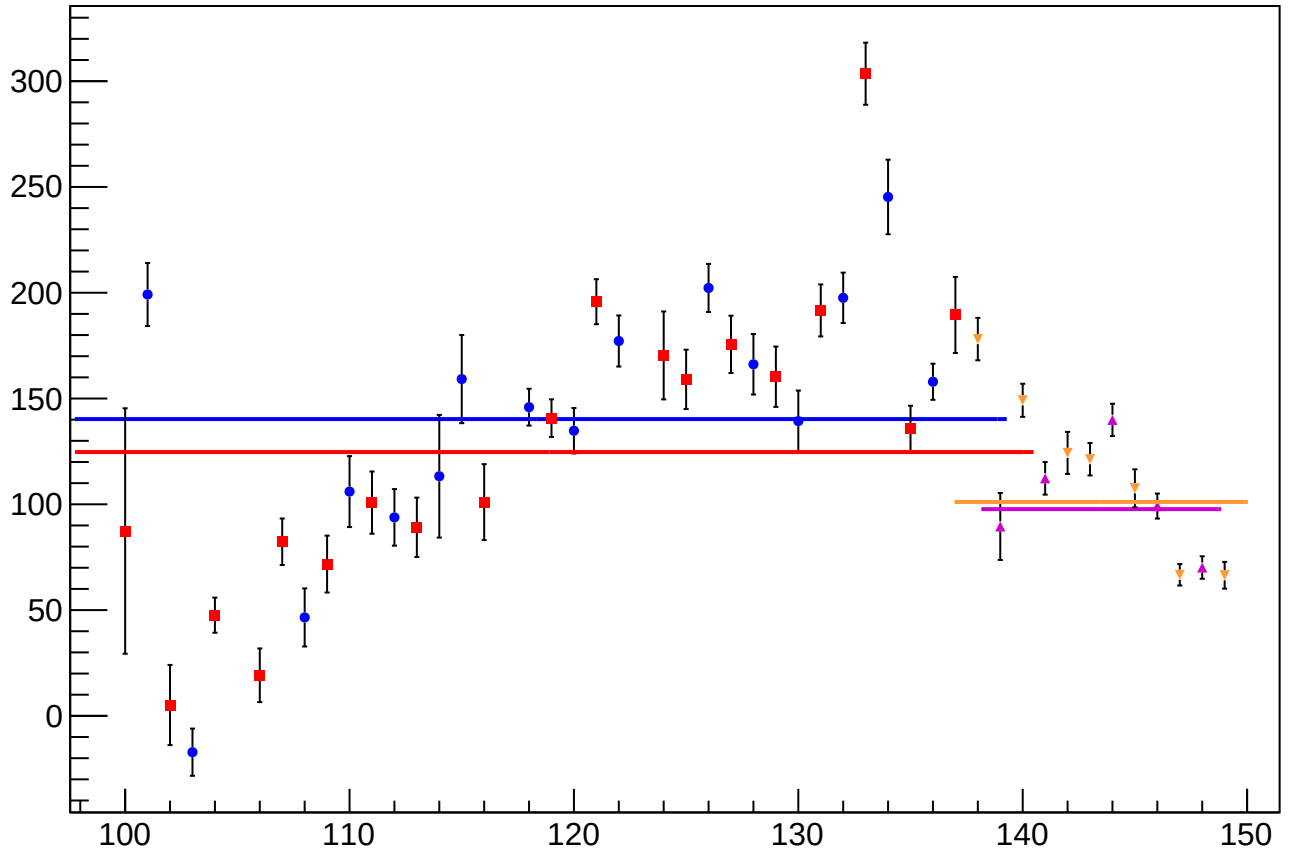
Left: 584.368+/-2.513 χ^2/NDF: 398.6/11

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 603.998+/-2.307 χ^2/NDF:3979.8/20

Out: 577.655+/-2.124 χ^2/NDF:5118.7/25

All: 589.738+/-1.562 χ^2/NDF: 9169.1/46



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 101.102+/-2.775 χ^2/NDF:185.9/6

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 97.710+/-3.131 χ^2/NDF:61.4/4

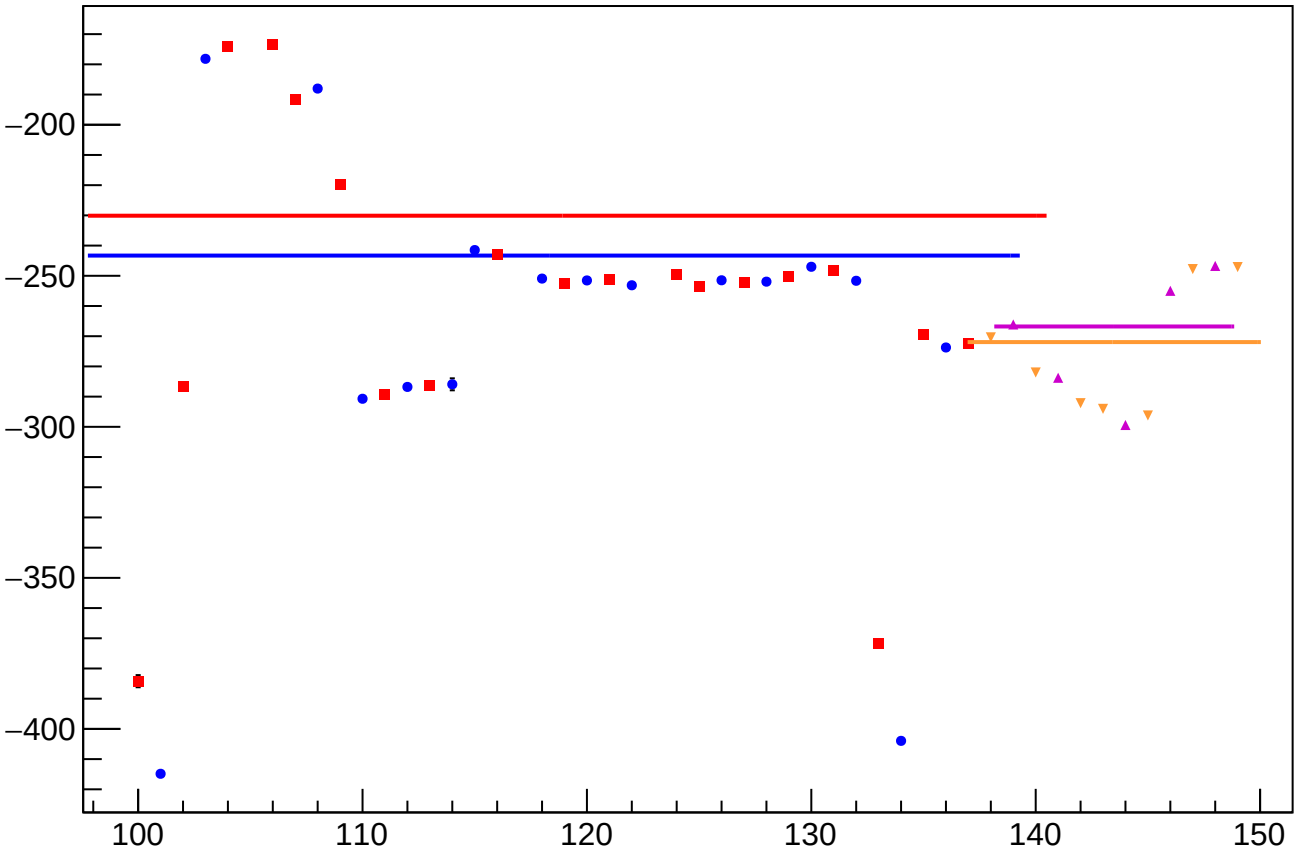
Left: 99.610+/-2.077 χ^2/NDF: 248.0/11

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 118.855+/-2.221 χ^2/NDF:538.6/20

Out: 112.065+/-2.030 χ^2/NDF:728.1/25

All: 115.156+/-1.499 χ^2/NDF: 1271.7/46



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -271.945+/-0.141 χ^2/NDF:20685.4/6

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -266.779+/-0.156 χ^2/NDF:13952.5/4

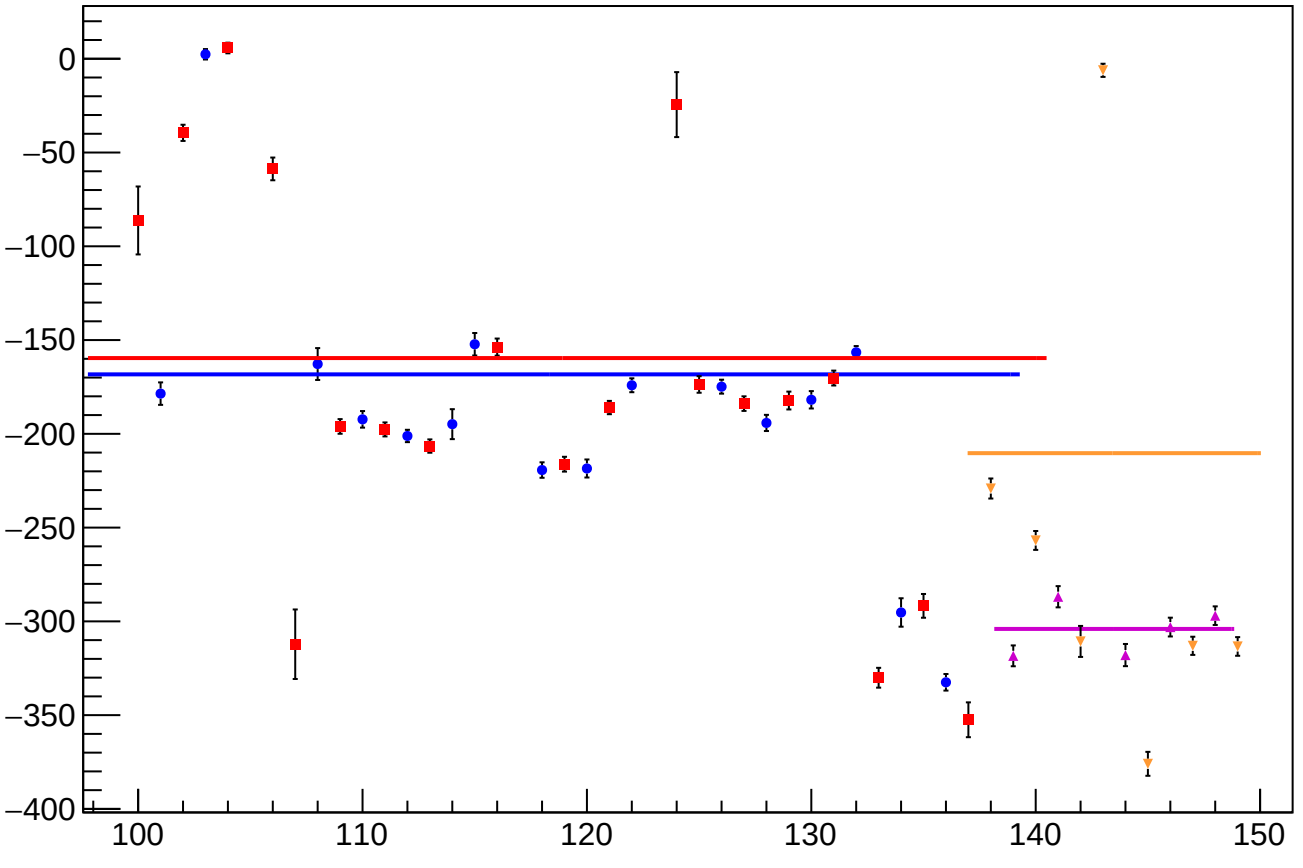
Left: -269.630+/-0.105 χ^2/NDF: 35241.3/11

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -255.506+/-0.113 χ^2/NDF:198280.4/20

Out: -253.346+/-0.105 χ^2/NDF:162391.8/25

All: -254.350+/-0.077 χ^2/NDF: 360868.9/46



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -210.305+/-1.897 χ^2/NDF:5181.5/6

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -304.030+/-2.406 χ^2/NDF:23.5/4

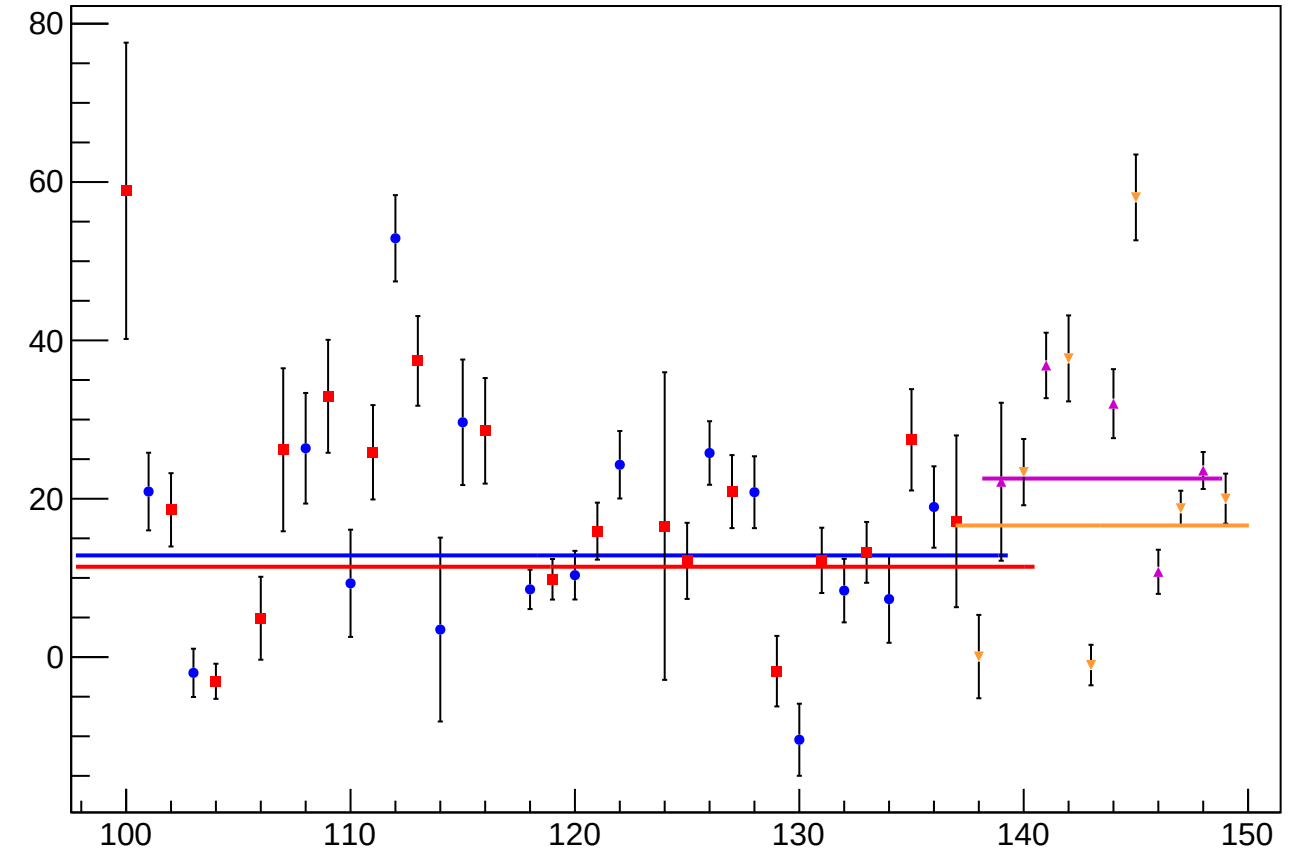
Left: -246.234+/-1.490 χ^2/NDF: 6140.6/11

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -190.903+/-0.982 χ^2/NDF:8583.3/20

Out: -171.358+/-0.914 χ^2/NDF:12928.0/25

All: -180.425+/-0.669 χ^2/NDF: 21723.6/46



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 16.623+/-1.274 χ^2/NDF:135.6/6

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 22.551+/-1.519 χ^2/NDF:34.7/4

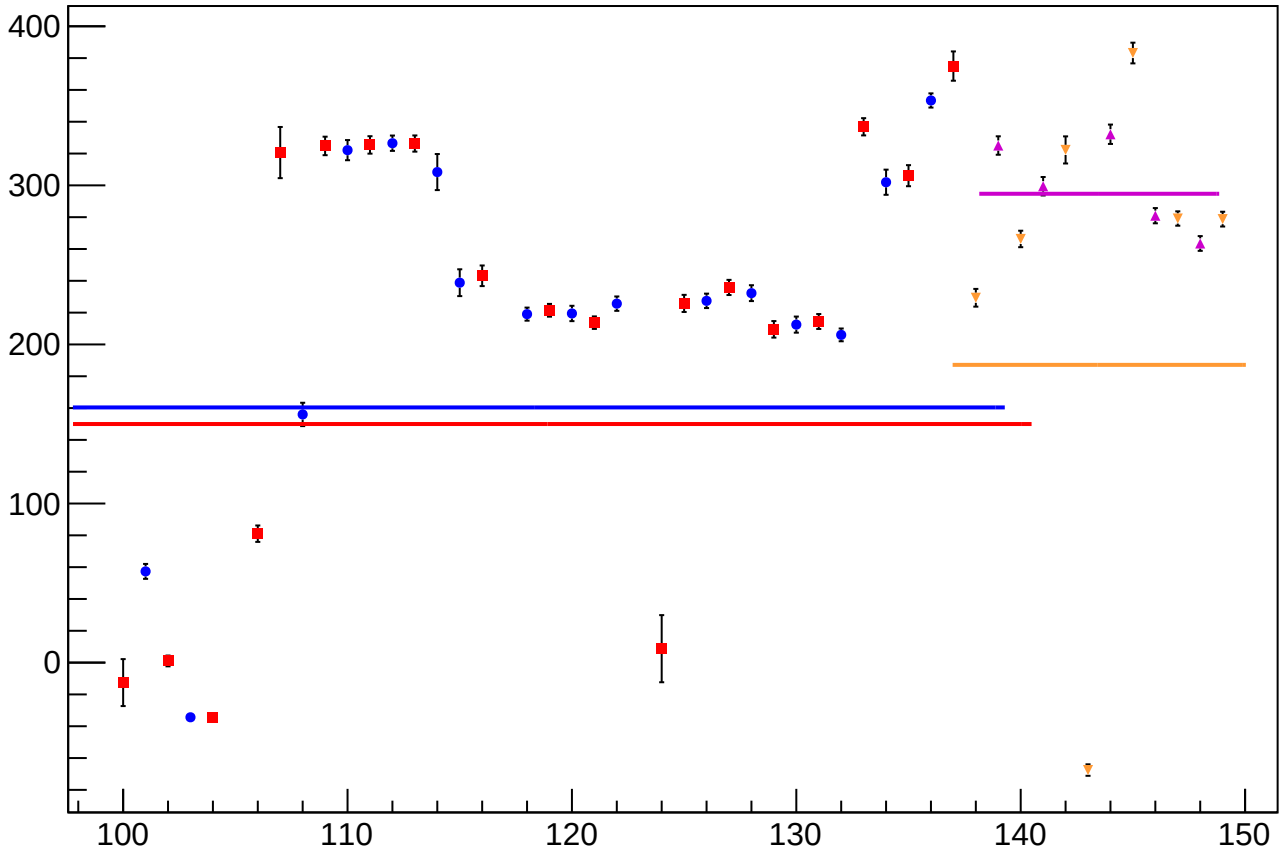
Left: 19.071+/-0.976 χ^2/NDF: 179.3/11

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 16.087+/-0.878 χ^2/NDF:205.6/20

Out: 13.486+/-0.804 χ^2/NDF:265.3/25

All: 14.671+/-0.593 χ^2/NDF: 475.6/46



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 187.164+/-1.894 χ^2/NDF:7231.3/6

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 294.715+/-2.381 χ^2/NDF:119.4/4

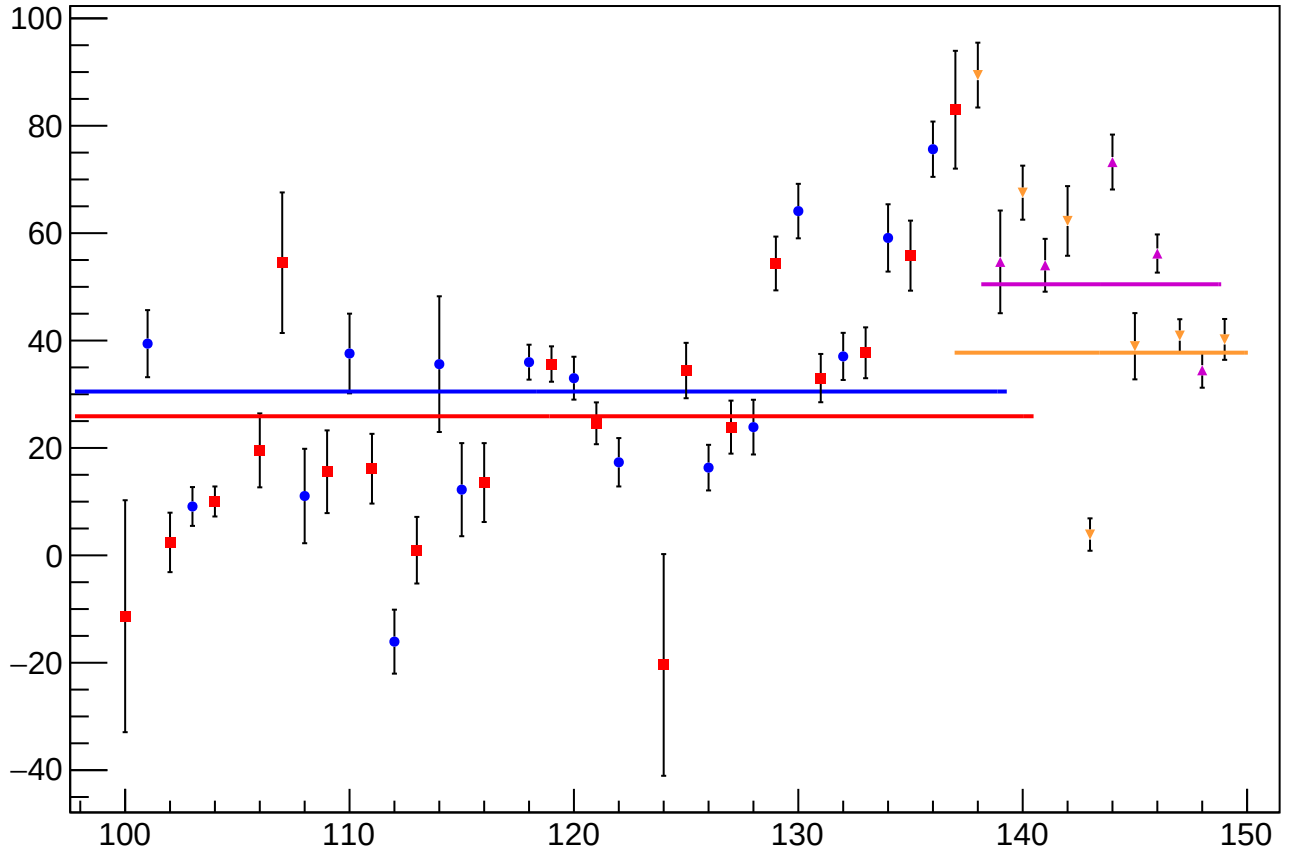
Left: 228.843+/-1.482 χ^2/NDF: 8600.8/11

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 185.425+/-1.027 χ^2/NDF:16659.3/20

Out: 159.443+/-0.956 χ^2/NDF:23784.0/25

All: 171.493+/-0.700 χ^2/NDF: 40786.1/46



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 37.744+/-1.575 χ^2/NDF:250.3/6

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 50.481+/-1.945 χ^2/NDF:47.4/4

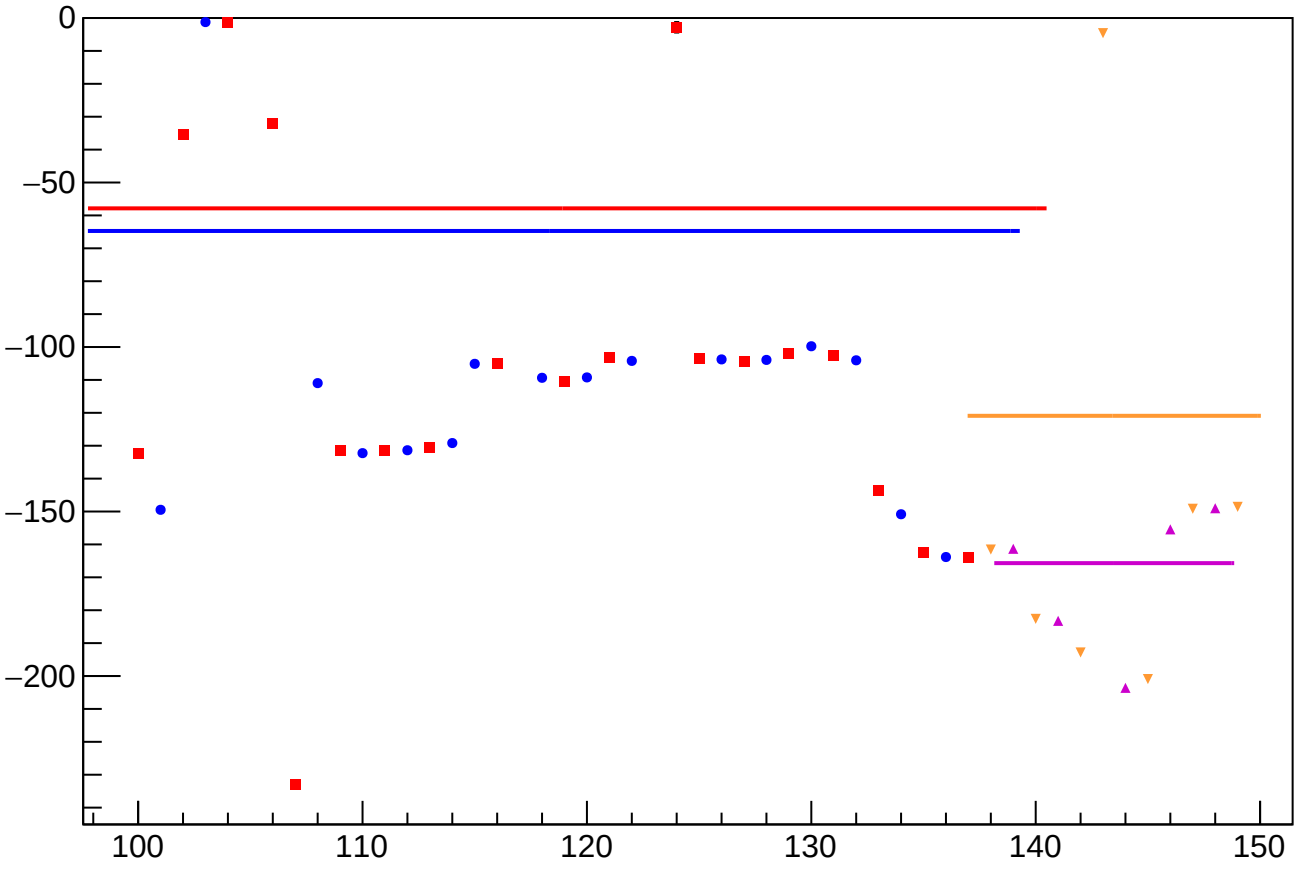
Left: 42.786+/-1.224 χ^2/NDF: 323.5/11

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 36.375+/-1.054 χ^2/NDF:398.8/20

Out: 30.313+/-0.961 χ^2/NDF:473.5/25

All: 33.064+/-0.710 χ^2/NDF: 890.4/46



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -120.908+/-0.080 χ^2/NDF:885313.2/6

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -165.688+/-0.097 χ^2/NDF:35494.6/4

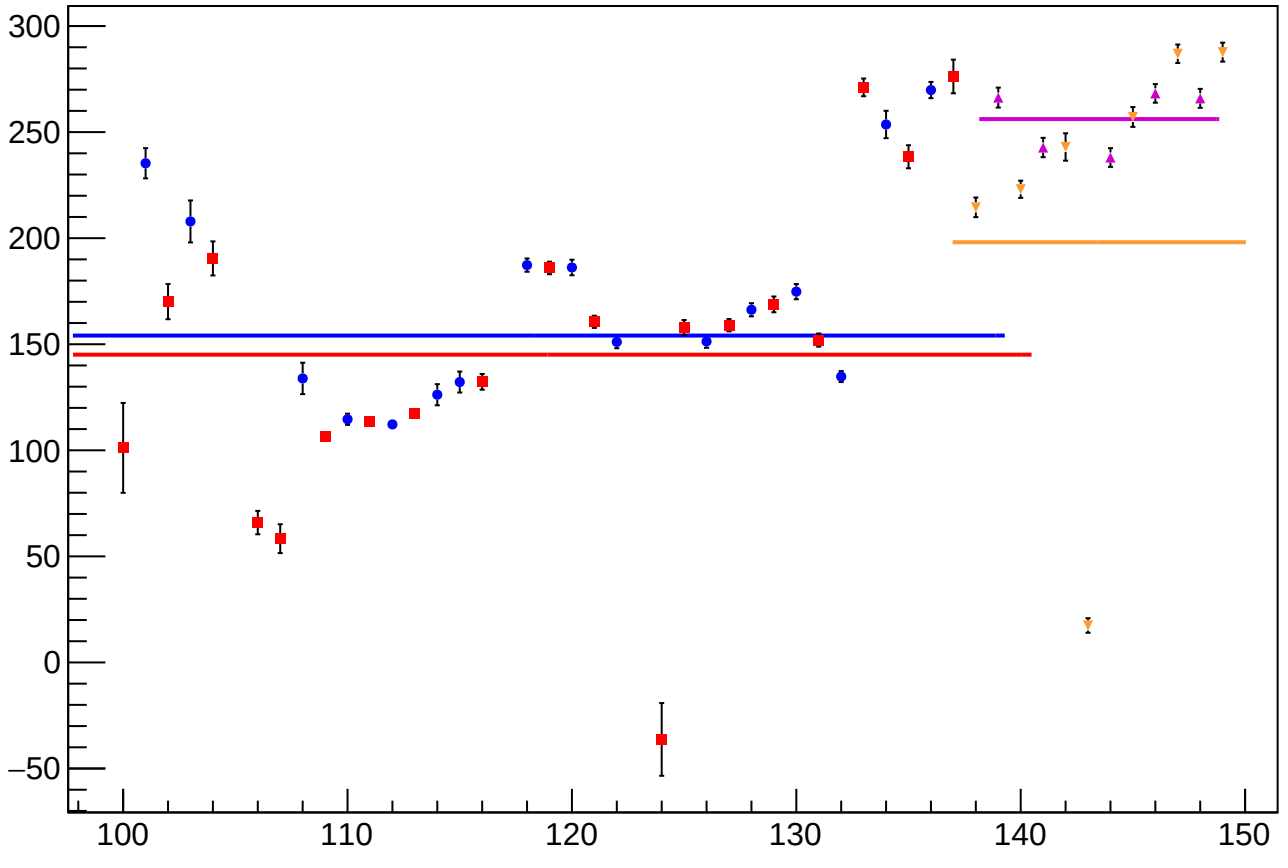
Left: -138.975+/-0.062 χ^2/NDF: 1048147.3/11

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -95.244+/-0.053 χ^2/NDF:1837065.9/20

Out: -81.694+/-0.049 χ^2/NDF:2150260.3/25

All: -87.904+/-0.036 χ^2/NDF: 4022352.4/46



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 198.097+/-1.657 χ^2/NDF:3825.8/6

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 256.147+/-2.013 χ^2/NDF:42.5/4

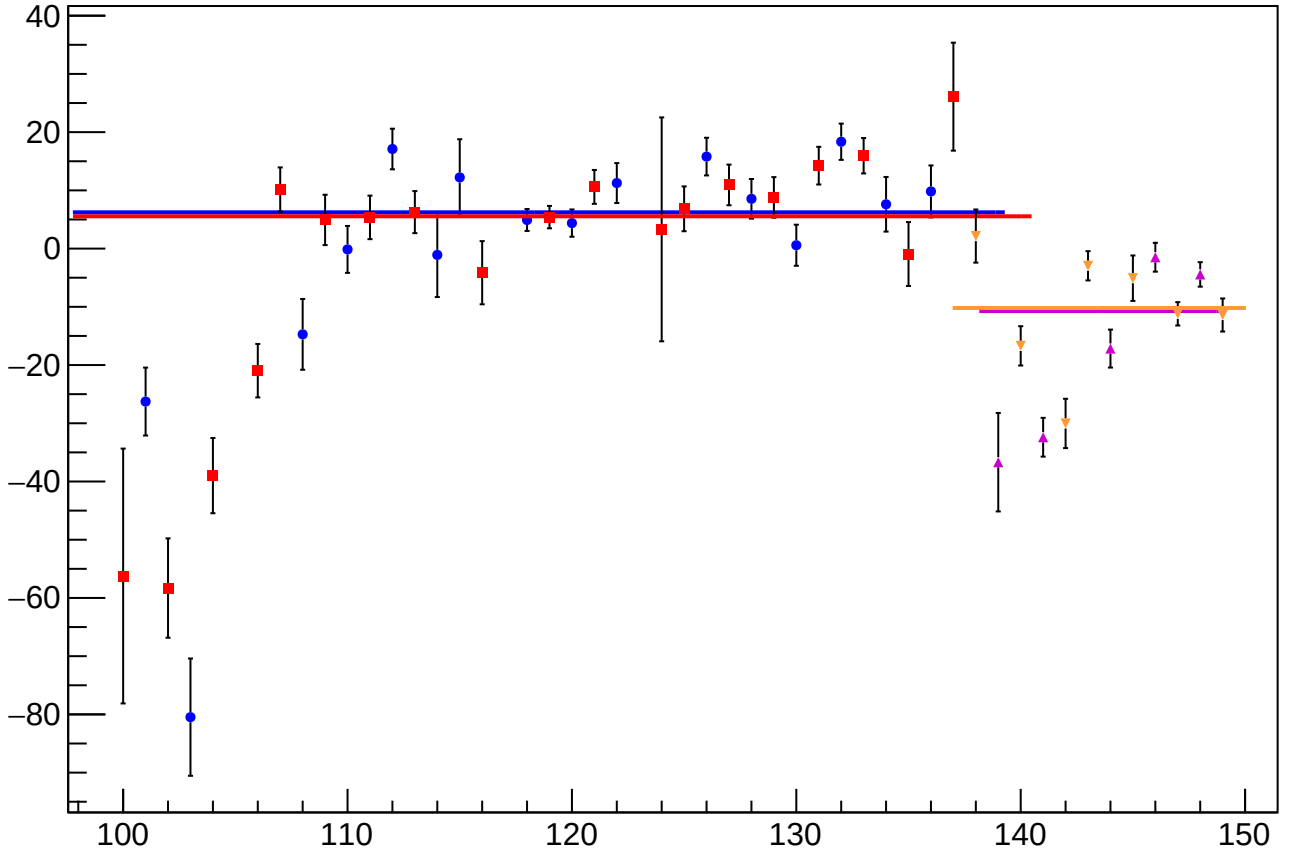
Left: 221.537+/-1.279 χ^2/NDF: 4363.9/11

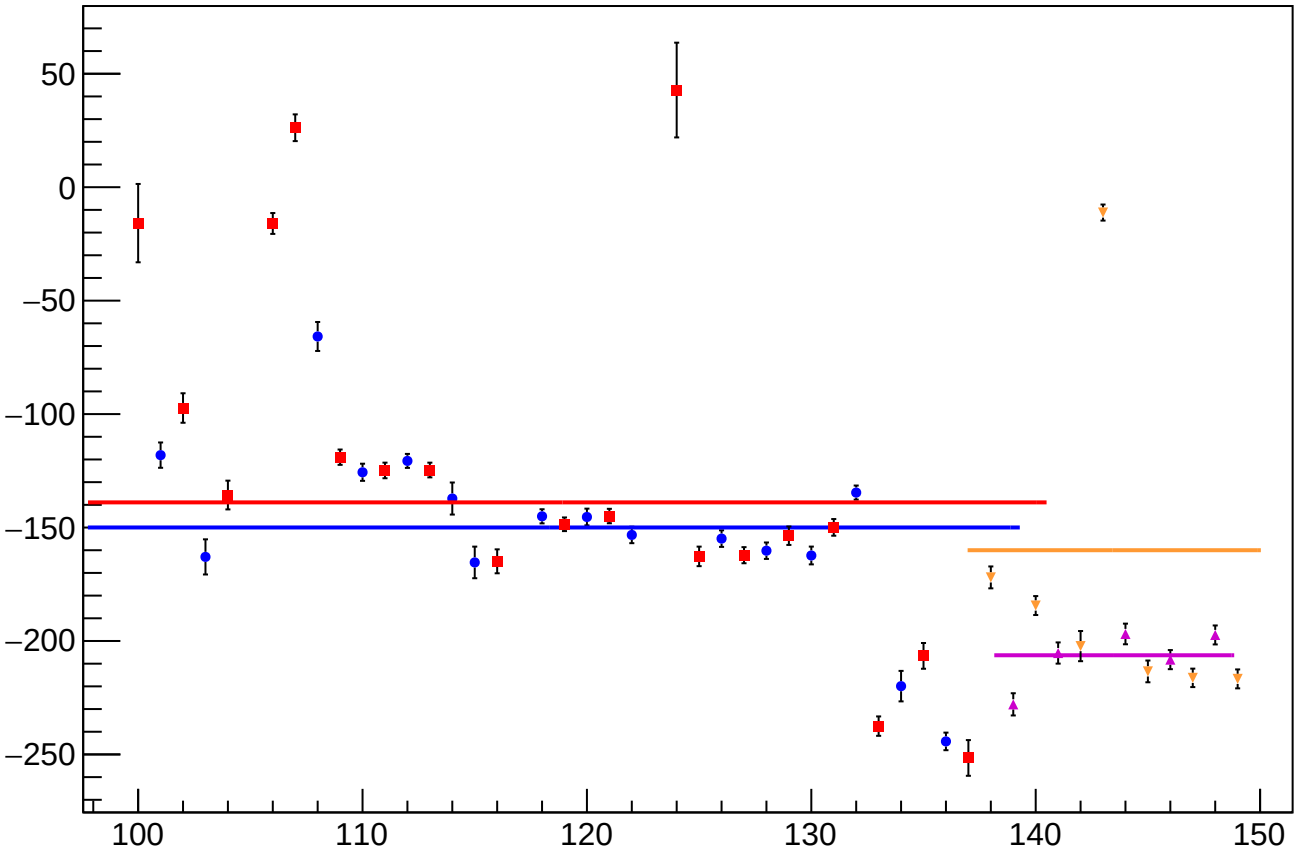
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 170.124+/-0.798 χ^2/NDF:4489.0/20

Out: 155.635+/-0.739 χ^2/NDF:7604.0/25

All: 162.327+/-0.542 χ^2/NDF: 12270.4/46


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: -10.199+/-1.126 χ²/NDF:43.4/6
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -10.721+/-1.305 χ²/NDF:78.5/4
Left: -10.422+/-0.853 χ²/NDF: 122.1/11
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.848+/-0.735 χ²/NDF:355.7/20
Out: -0.501+/-0.698 χ²/NDF:345.0/25
All: 0.139+/-0.506 χ²/NDF: 702.5/46



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -159.995+/-1.657 χ^2/NDF:2344.6/6

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -206.291+/-2.002 χ^2/NDF:28.6/4

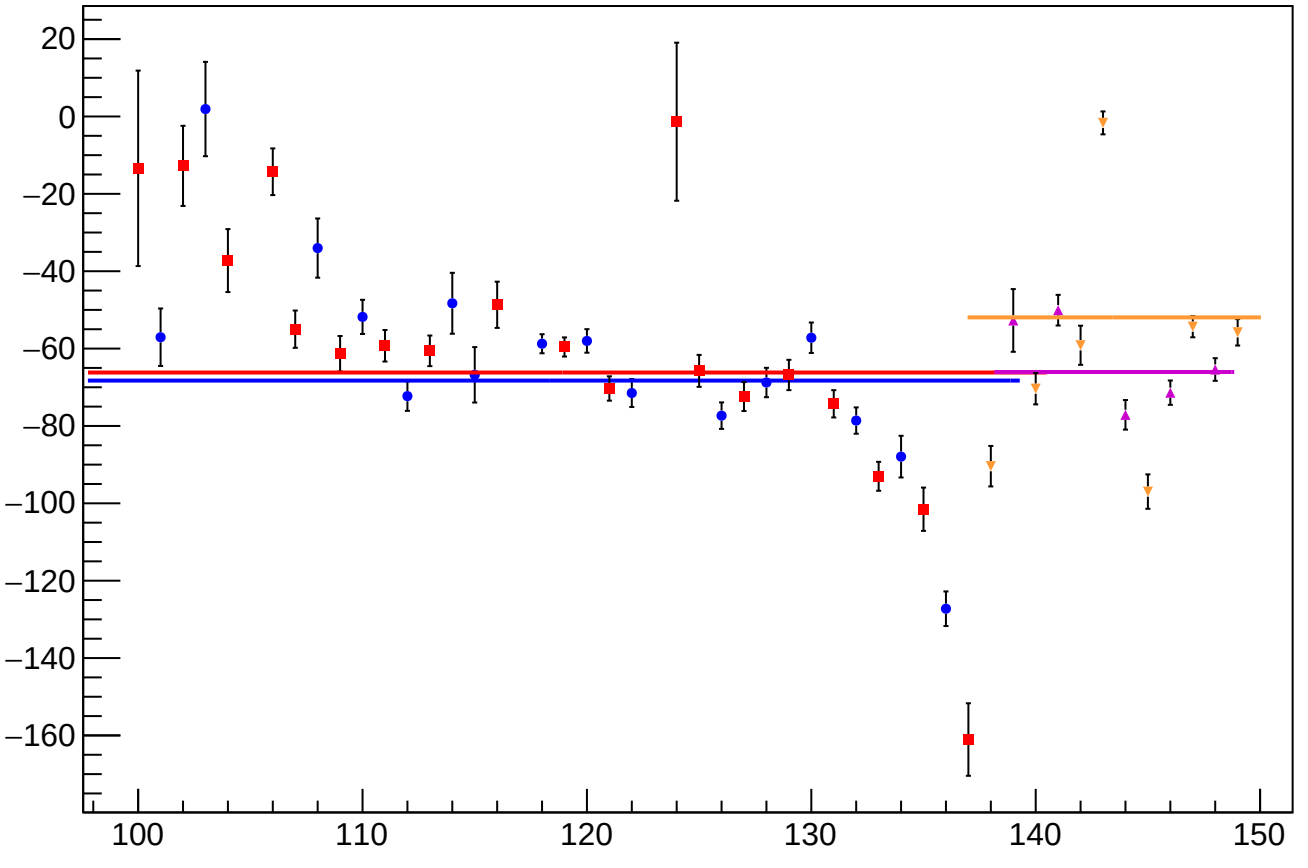
Left: -178.824+/-1.277 χ^2/NDF: 2690.5/11

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -161.680+/-0.913 χ^2/NDF:1755.1/20

Out: -144.484+/-0.852 χ^2/NDF:5214.5/25

All: -152.492+/-0.623 χ^2/NDF: 7159.2/46



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -51.933+/-1.388 χ^2/NDF:469.4/6

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -66.056+/-1.656 χ^2/NDF:30.3/4

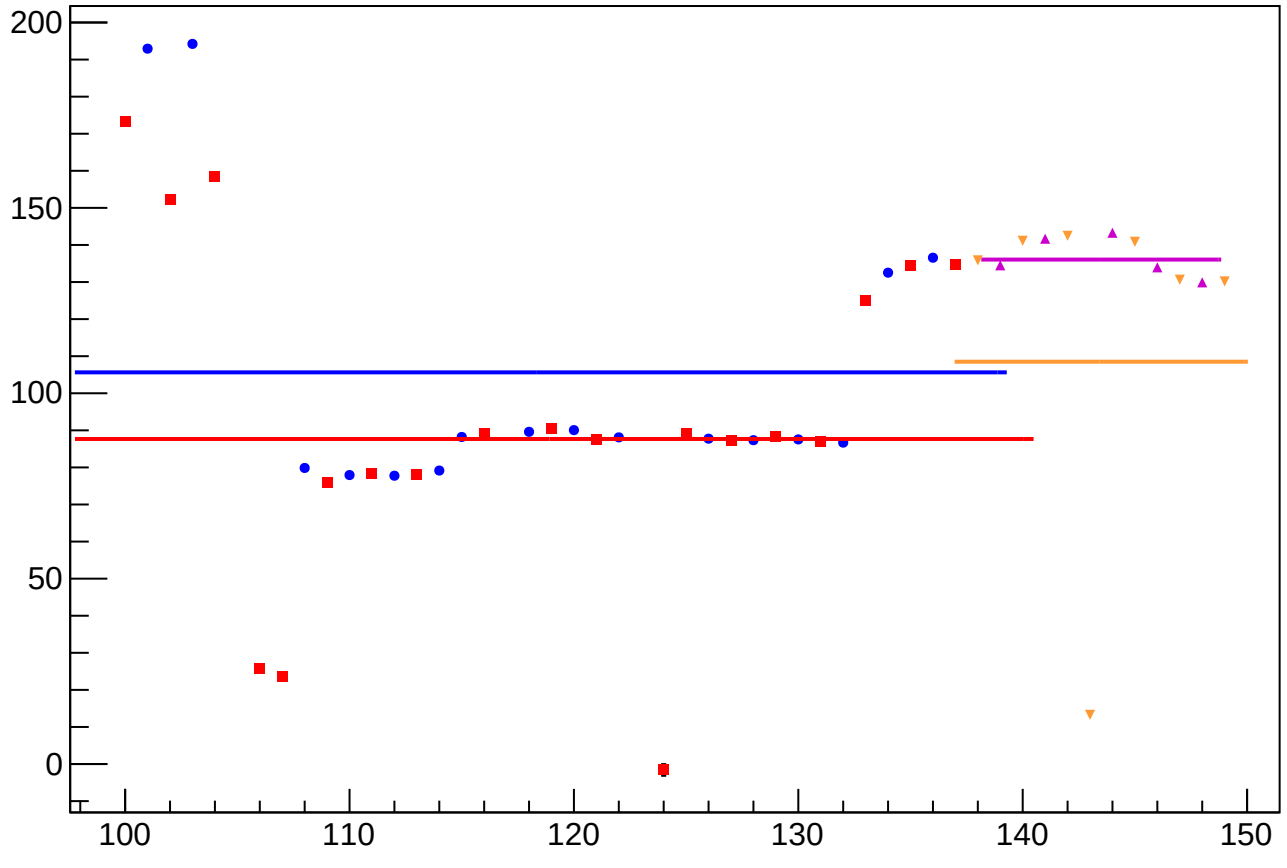
Left: -57.764+/-1.064 χ^2/NDF: 542.4/11

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -67.651+/-0.877 χ^2/NDF:347.0/20

Out: -61.165+/-0.824 χ^2/NDF:896.0/25

All: -64.208+/-0.600 χ^2/NDF: 1272.0/46



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 108.509+/-0.070 χ^2/NDF:544699.0/6

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 136.058+/-0.082 χ^2/NDF:3658.0/4

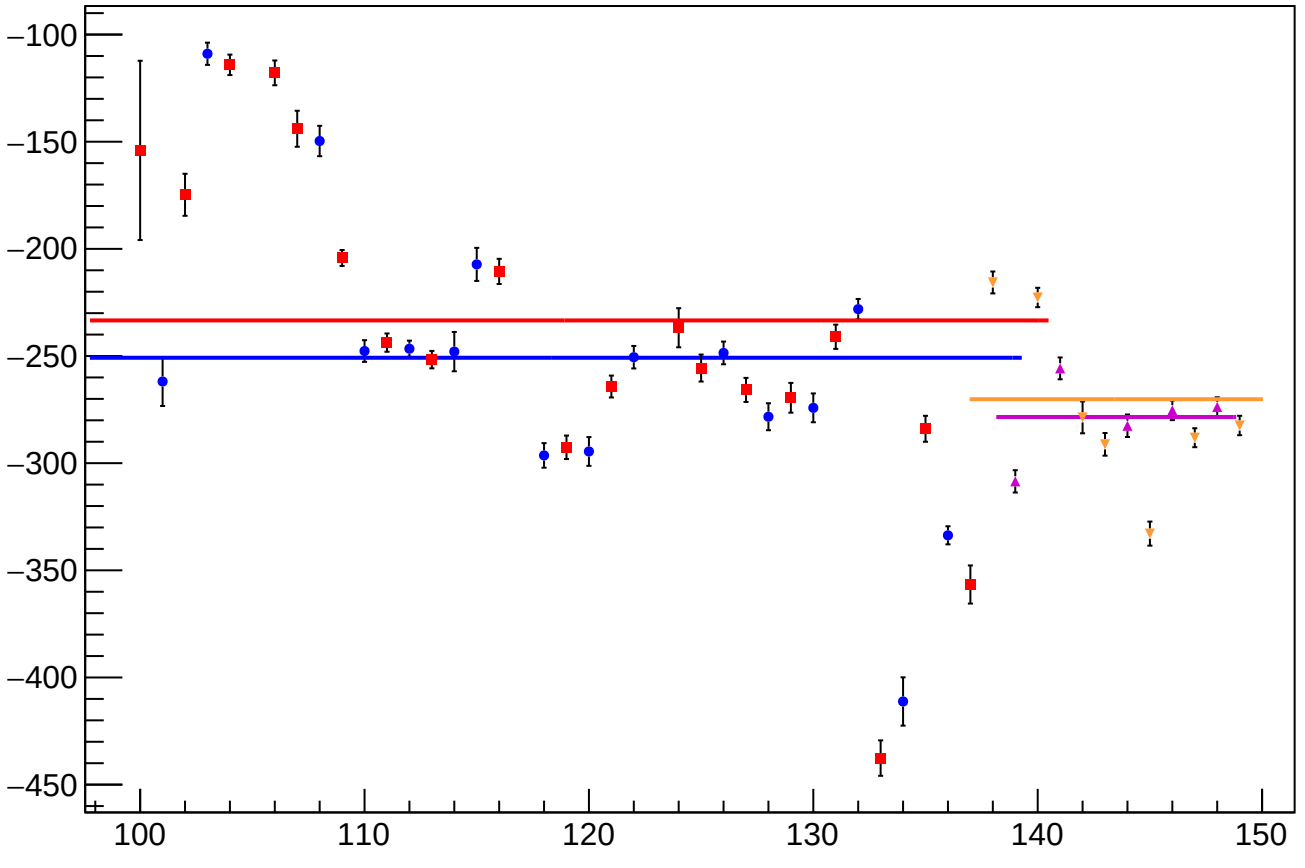
Left: 120.097+/-0.053 χ^2/NDF: 614096.2/11

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 118.677+/-0.054 χ^2/NDF:322314.2/20

Out: 97.467+/-0.048 χ^2/NDF:966541.4/25

All: 106.869+/-0.036 χ^2/NDF: 1376220.7/46



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -270.159+/-1.915 χ^2/NDF:389.6/6

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -278.461+/-2.188 χ^2/NDF:55.3/4

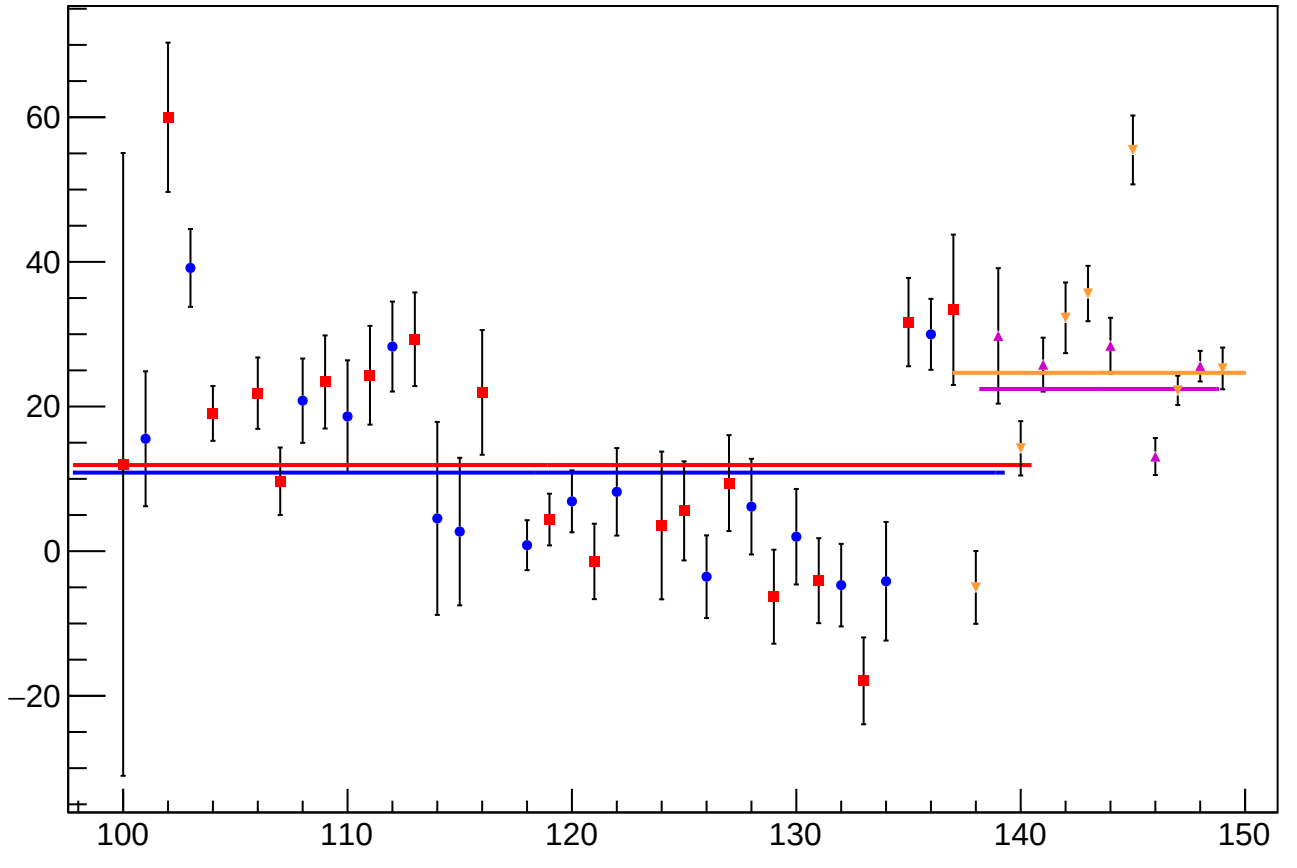
Left: -273.760+/-1.441 χ^2/NDF: 453.1/11

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -259.152+/-1.202 χ^2/NDF:1902.4/20

Out: -245.395+/-1.094 χ^2/NDF:3016.3/25

All: -251.630+/-0.809 χ^2/NDF: 4990.4/46



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 24.664+/-1.262 χ^2/NDF:96.5/6

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 22.429+/-1.378 χ^2/NDF:19.4/4

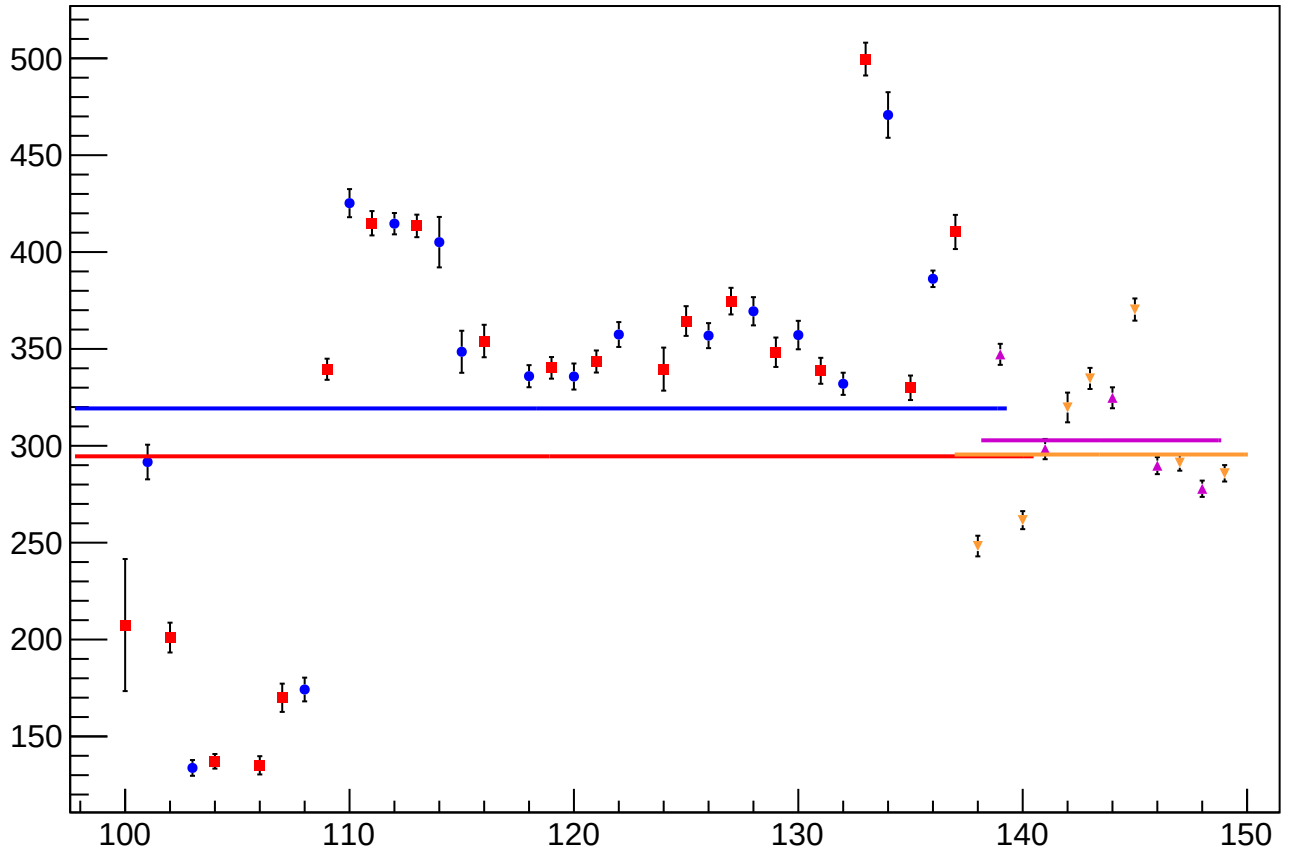
Left: 23.644+/-0.931 χ^2/NDF: 117.3/11

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 17.024+/-1.005 χ^2/NDF:137.0/20

Out: 18.798+/-0.928 χ^2/NDF:255.3/25

All: 17.982+/-0.682 χ^2/NDF: 394.0/46



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 295.504+/-1.899 χ^2/NDF:370.8/6

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 302.828+/-2.165 χ^2/NDF:128.4/4

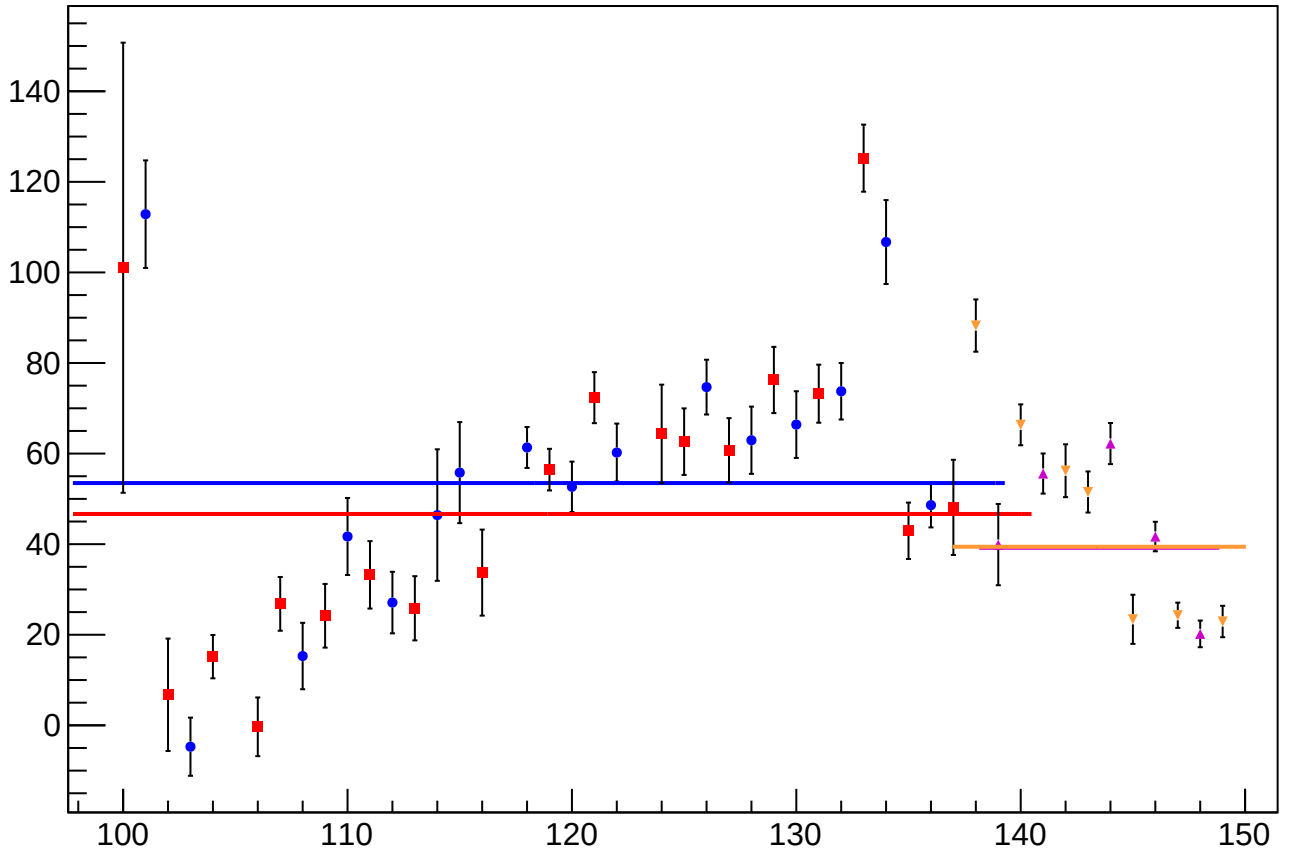
Left: 298.689+/-1.428 χ^2/NDF: 505.6/11

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 313.542+/-1.279 χ^2/NDF:3959.0/20

Out: 294.922+/-1.168 χ^2/NDF:5874.1/25

All: 303.386+/-0.863 χ^2/NDF: 9948.6/46



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 39.428+/-1.575 χ^2/NDF:183.3/6

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 39.202+/-1.764 χ^2/NDF:81.7/4

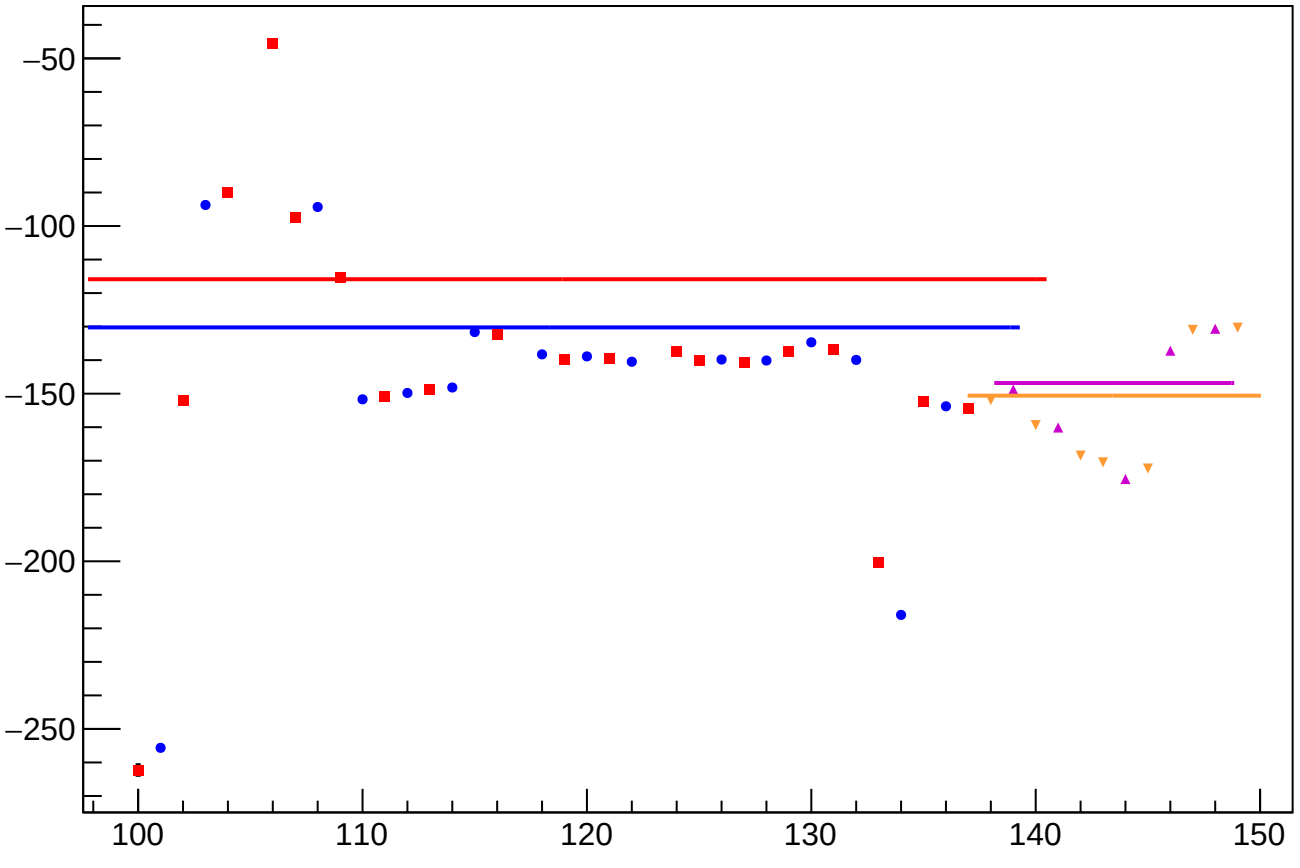
Left: 39.328+/-1.175 χ^2/NDF: 265.0/11

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 46.617+/-1.224 χ^2/NDF:333.0/20

Out: 43.006+/-1.120 χ^2/NDF:519.4/25

All: 44.652+/-0.826 χ^2/NDF: 857.1/46



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -150.592+/-0.080 χ^2/NDF:46331.9/6

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: -148.885+/-0.059 χ^2/NDF: 76915.8/11

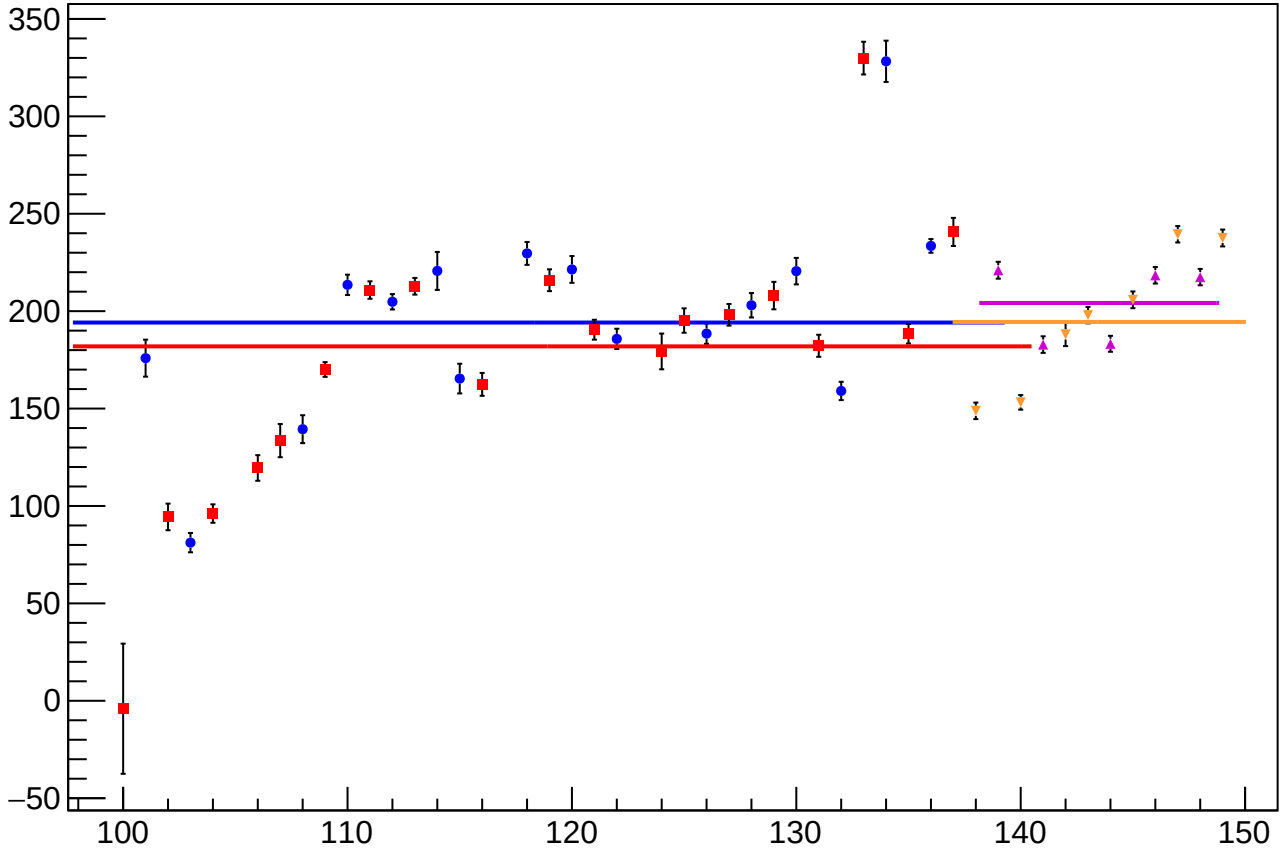
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -138.779+/-0.063 χ^2/NDF:220863.6/20

Out: -134.373+/-0.059 χ^2/NDF:339705.6/25

All: -136.402+/-0.043 χ^2/NDF: 563173.8/46

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: 194.464+/-1.634 χ^2/NDF:459.4/6

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 204.205+/-1.889 χ^2/NDF:87.7/4

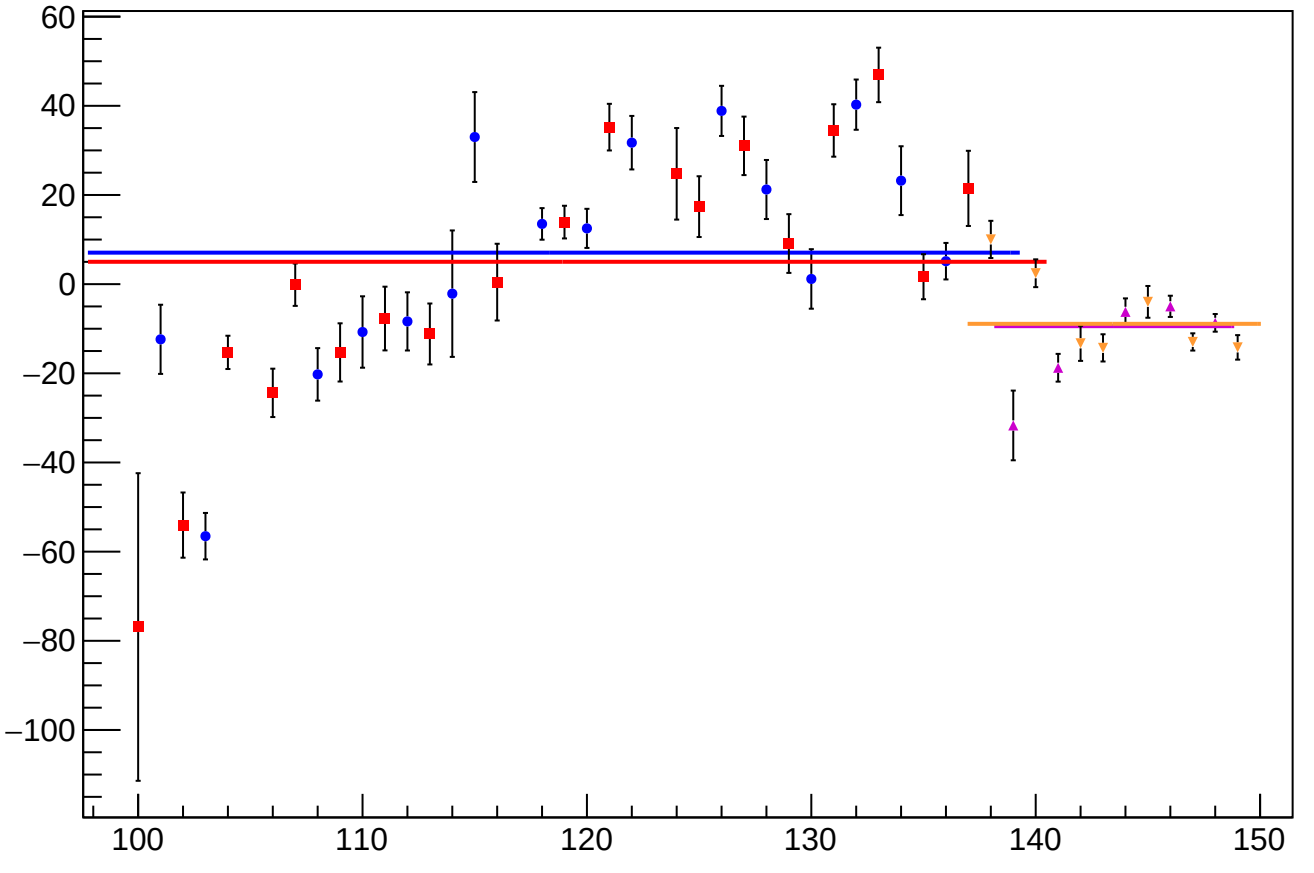
Left: 198.633+/-1.235 χ^2/NDF: 562.3/11

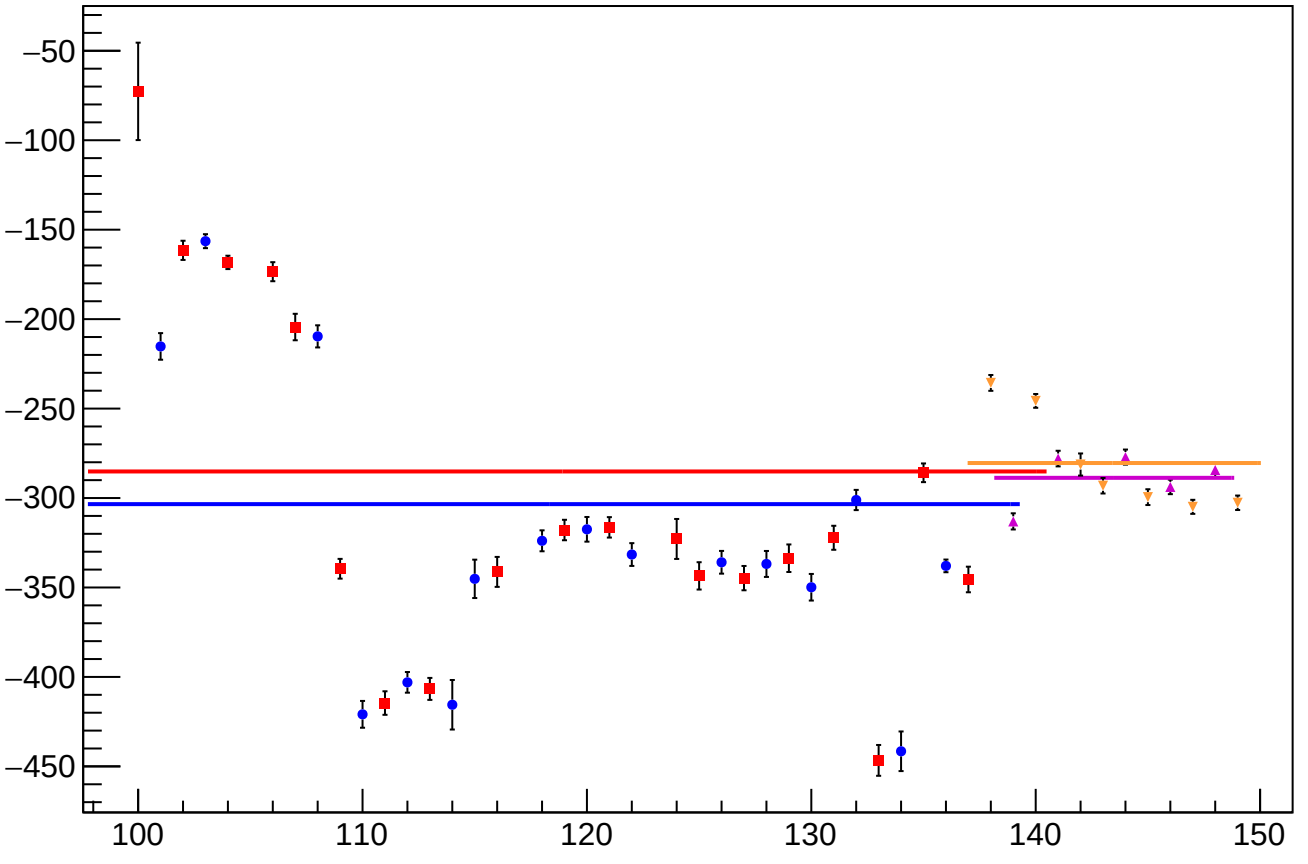
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 197.747+/-1.128 χ^2/NDF:1141.0/20

Out: 186.889+/-1.028 χ^2/NDF:1699.8/25

All: 191.812+/-0.760 χ^2/NDF: 2891.5/46


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -8.902+/-1.111 χ²/NDF:48.3/6
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: -9.425+/-1.230 χ²/NDF:21.9/4
Left: -9.137+/-0.824 χ²/NDF: 70.2/11
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: -2.481+/-0.936 χ²/NDF:390.1/20
Out: -3.308+/-0.859 χ²/NDF:399.9/25
All: -2.930+/-0.633 χ²/NDF: 790.4/46



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.427+/-1.633 χ^2/NDF:280.0/6

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -288.706+/-1.879 χ^2/NDF:45.5/4

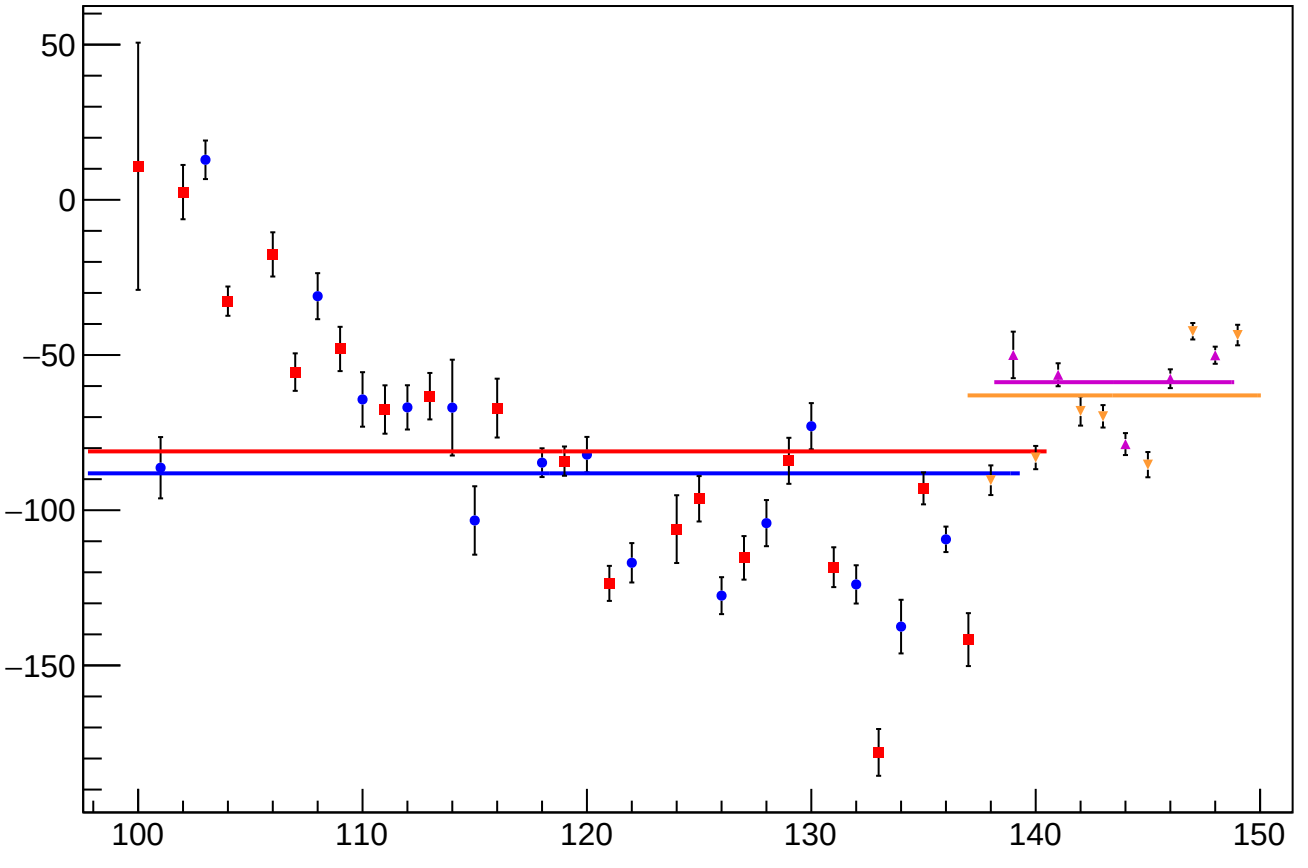
Left: -283.988+/-1.233 χ^2/NDF: 336.6/11

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -297.548+/-1.187 χ^2/NDF:2867.8/20

Out: -283.065+/-1.085 χ^2/NDF:4039.5/25

All: -289.657+/-0.801 χ^2/NDF: 6988.5/46



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.011+/-1.373 χ^2/NDF:191.2/6

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -58.750+/-1.560 χ^2/NDF:43.6/4

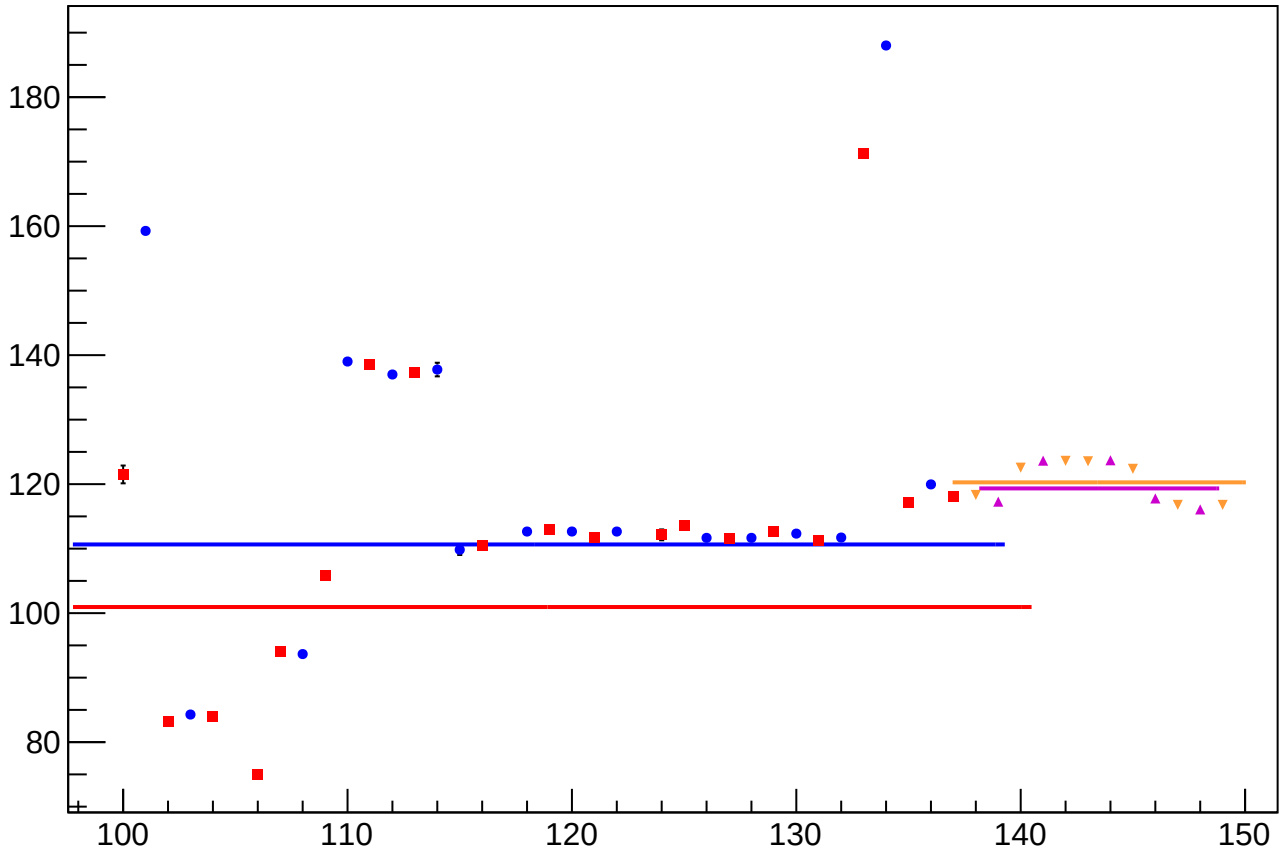
Left: -61.151+/-1.031 χ^2/NDF: 239.0/11

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -72.566+/-1.135 χ^2/NDF:722.3/20

Out: -70.833+/-1.033 χ^2/NDF:943.6/25

All: -71.618+/-0.764 χ^2/NDF: 1667.1/46



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 120.277+/-0.069 χ^2/NDF:1762.5/6

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 119.338+/-0.077 χ^2/NDF:1776.2/4

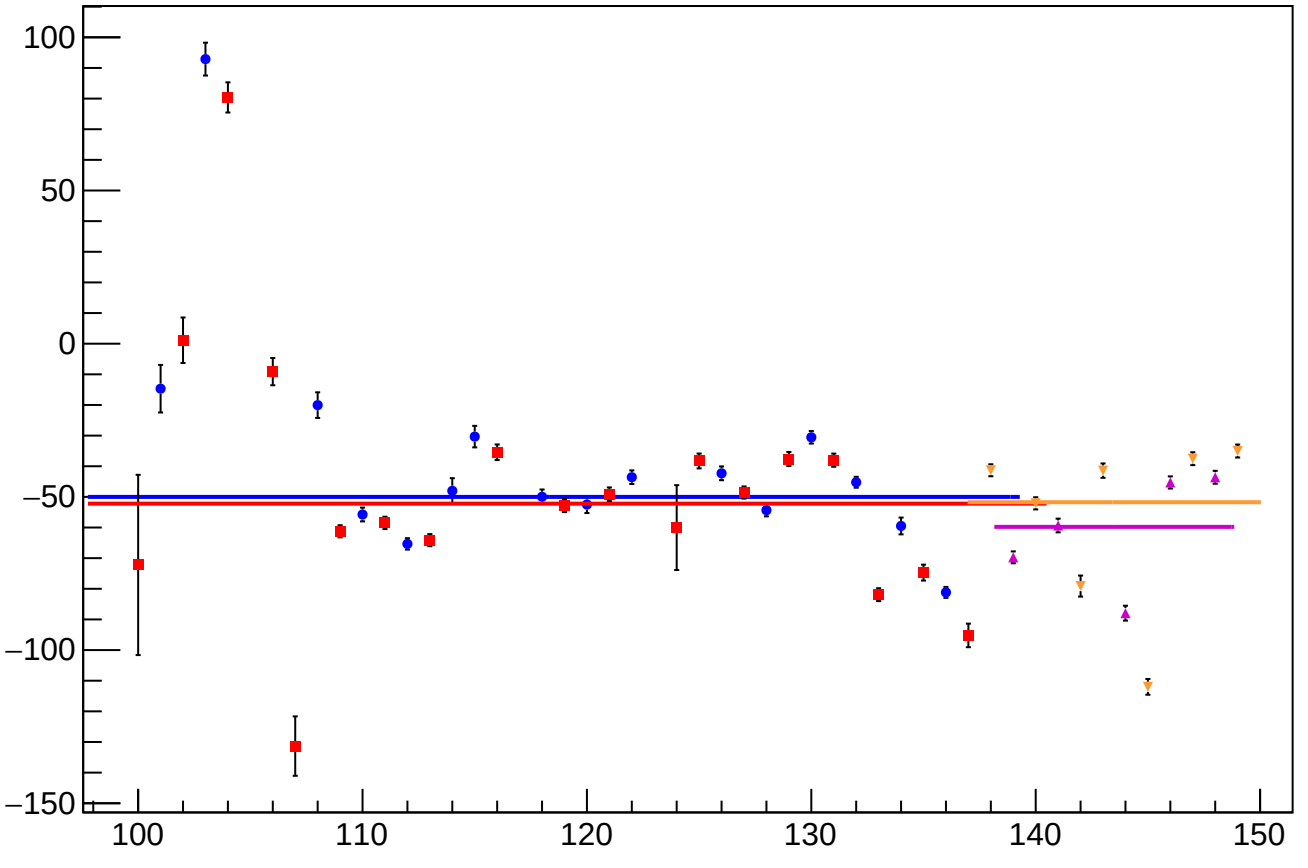
Left: 119.858+/-0.051 χ^2/NDF: 3621.9/11

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.481+/-0.057 χ^2/NDF:90994.6/20

Out: 112.184+/-0.052 χ^2/NDF:96885.6/25

All: 113.689+/-0.039 χ^2/NDF: 189686.8/46



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -51.739+/-0.851 χ^2/NDF:767.5/6

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -59.787+/-0.948 χ^2/NDF:272.5/4

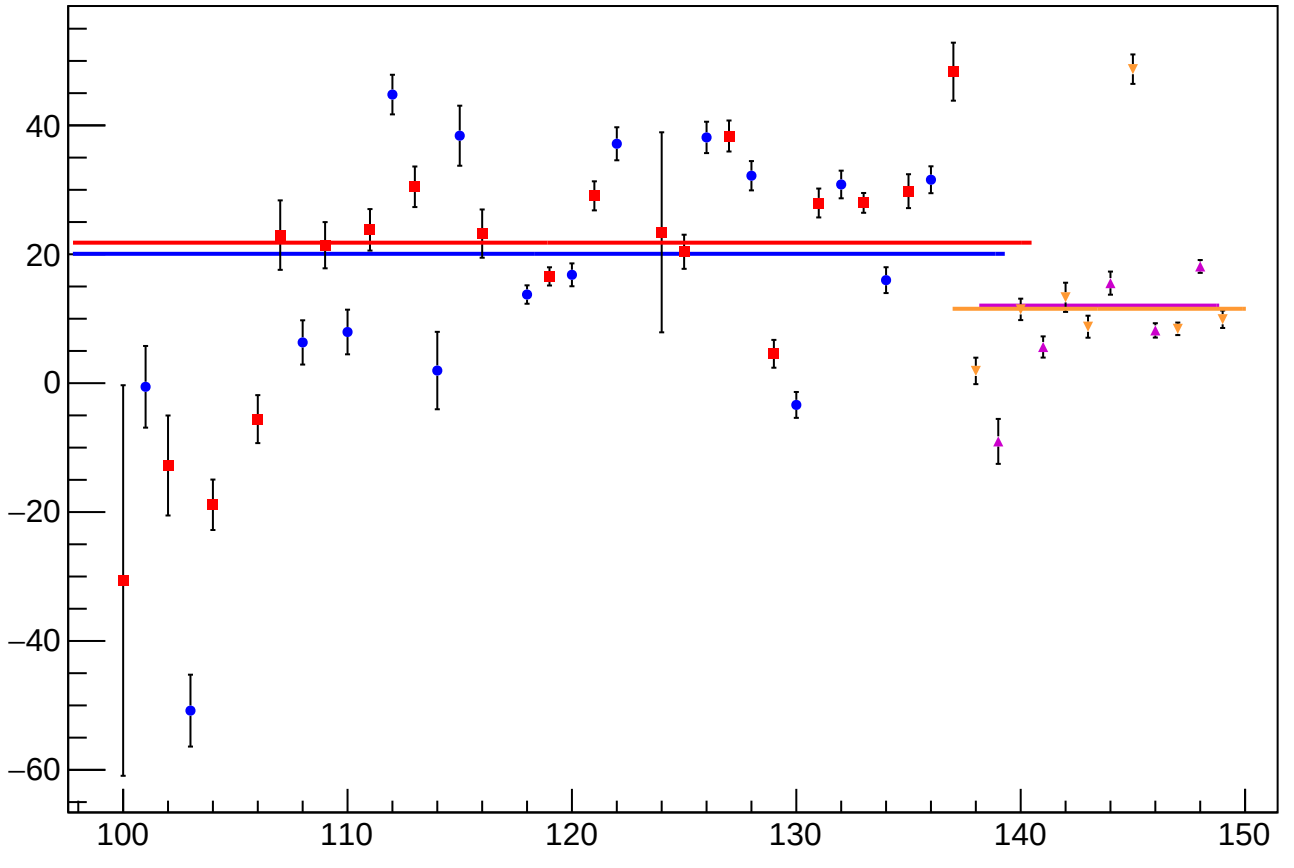
Left: -55.331+/-0.634 χ^2/NDF: 1079.9/11

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -52.869+/-0.513 χ^2/NDF:1675.1/20

Out: -52.050+/-0.493 χ^2/NDF:2338.0/25

All: -52.444+/-0.356 χ^2/NDF: 4014.4/46



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.545+/-0.584 χ^2/NDF:301.6/6

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 12.036+/-0.624 χ^2/NDF:104.5/4

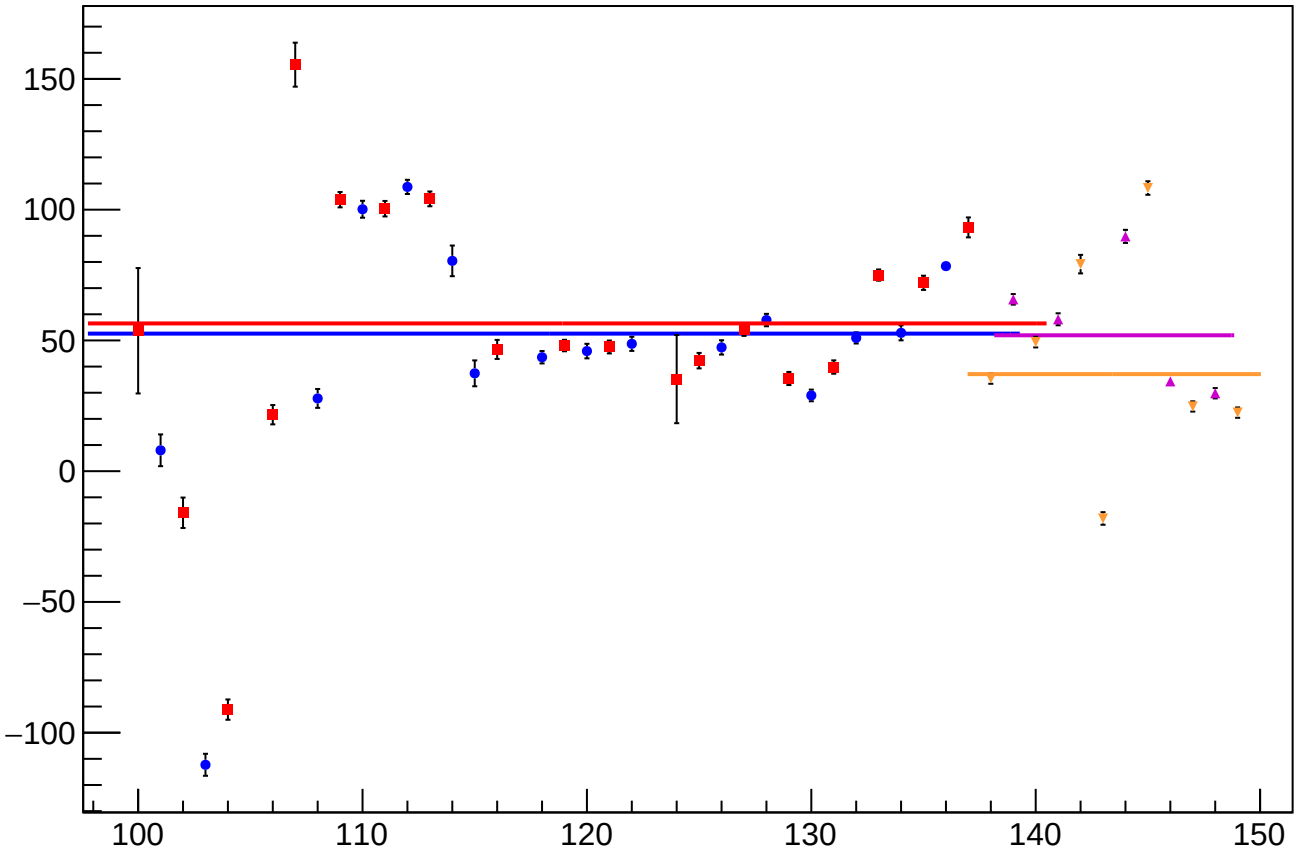
Left: 11.775+/-0.426 χ^2/NDF: 406.5/11

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 16.130+/-0.437 χ^2/NDF:825.3/20

Out: 16.348+/-0.426 χ^2/NDF:842.5/25

All: 16.242+/-0.305 χ^2/NDF: 1668.0/46



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 37.114+/-0.847 χ^2/NDF:1547.9/6

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 51.967+/-0.943 χ^2/NDF:493.1/4

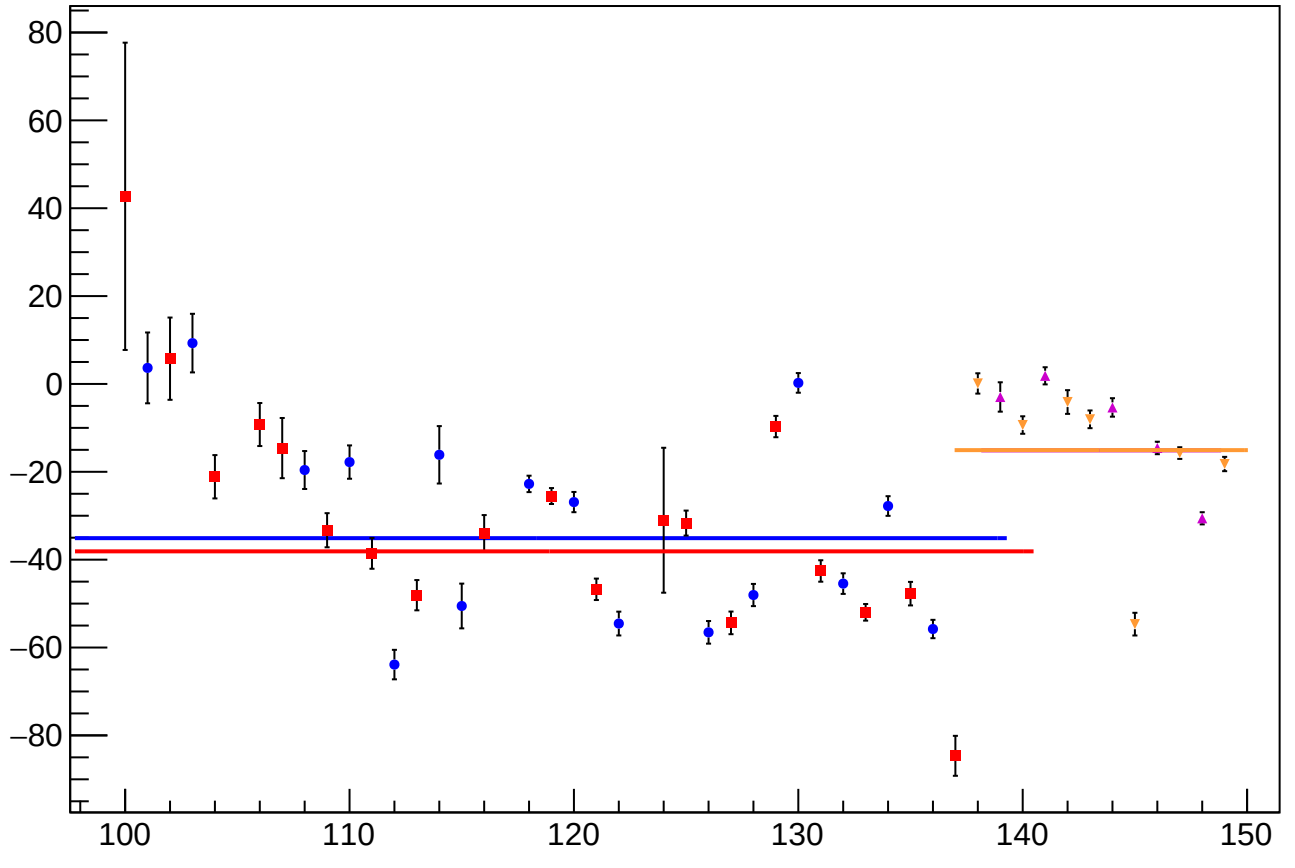
Left: 43.753+/-0.630 χ^2/NDF: 2178.3/11

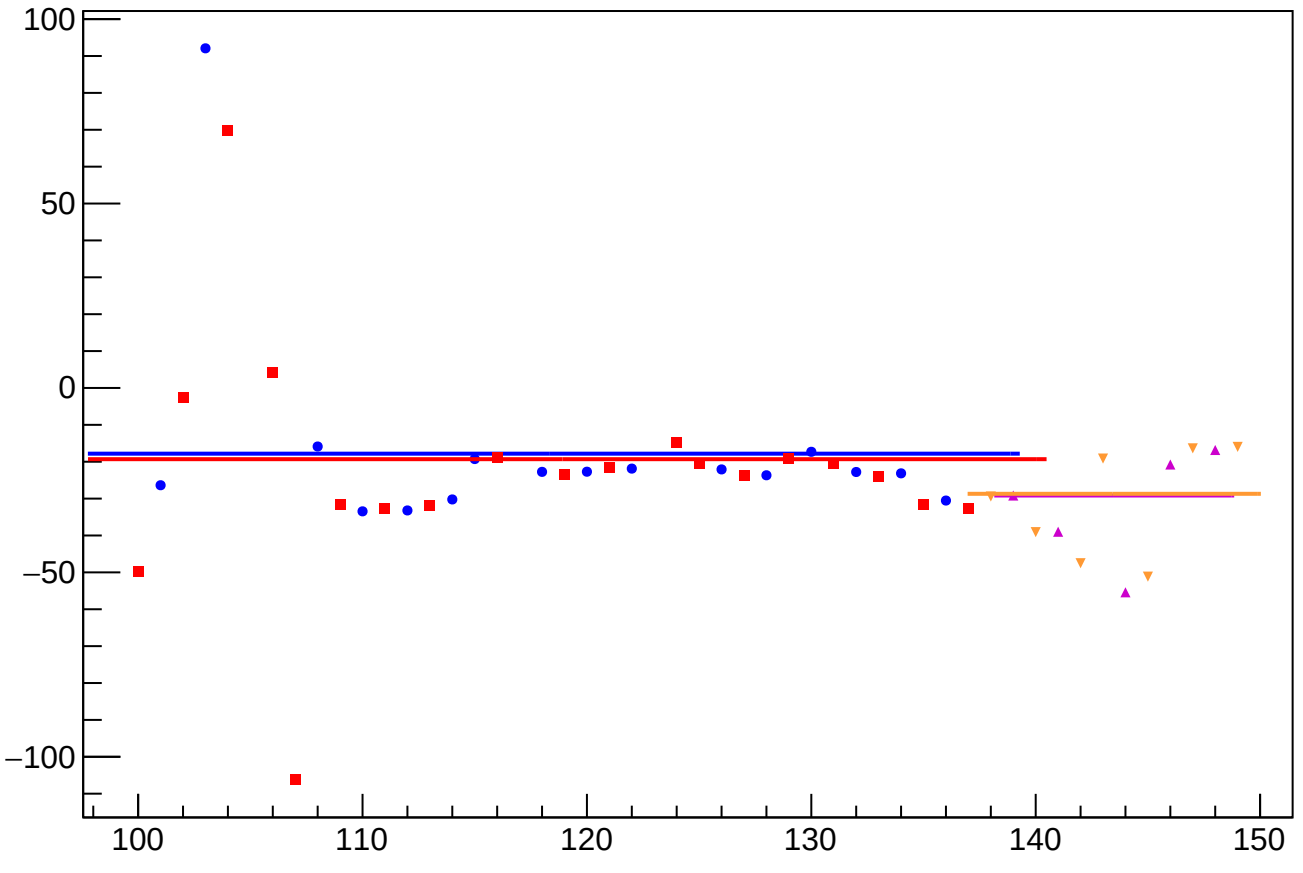
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 52.379+/-0.560 χ^2/NDF:3152.8/20

Out: 48.564+/-0.542 χ^2/NDF:4822.5/25

All: 50.410+/-0.390 χ^2/NDF: 7999.2/46


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -35.104+/-0.700 χ²/NDF: 773.2/15
Left Out: -15.066+/-0.722 χ²/NDF:319.0/6
Right Out: -38.109+/-0.714 χ²/NDF: 514.6/18
Left In: -15.130+/-0.792 χ²/NDF:234.8/4
Left: -15.095+/-0.534 χ²/NDF: 553.9/11
Right: -36.577+/-0.500 χ²/NDF: 1296.8/34
In: -26.348+/-0.525 χ²/NDF:1364.8/20
Out: -26.725+/-0.508 χ²/NDF:1348.4/25
All: -26.543+/-0.365 χ²/NDF: 2713.5/46



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -28.700+/-0.035 χ^2/NDF:130674.5/6

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -29.161+/-0.038 χ^2/NDF:100012.7/4

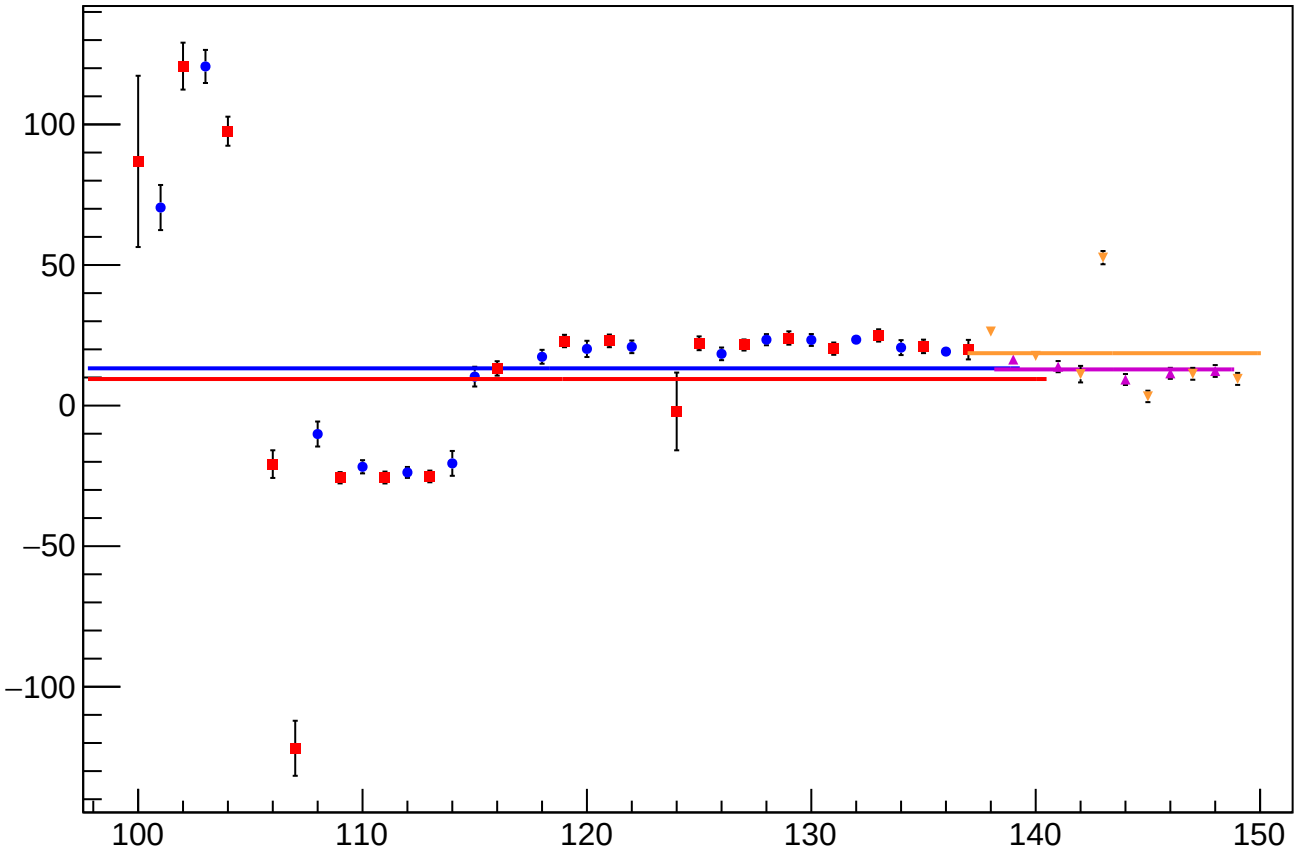
Left: -28.915+/-0.026 χ^2/NDF: 230766.0/11

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -24.217+/-0.029 χ^2/NDF:564963.2/20

Out: -25.206+/-0.028 χ^2/NDF:501359.7/25

All: -24.719+/-0.020 χ^2/NDF: 1066932.7/46



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 18.635+/-0.786 χ^2/NDF:320.0/6

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.871+/-0.864 χ^2/NDF:8.4/4

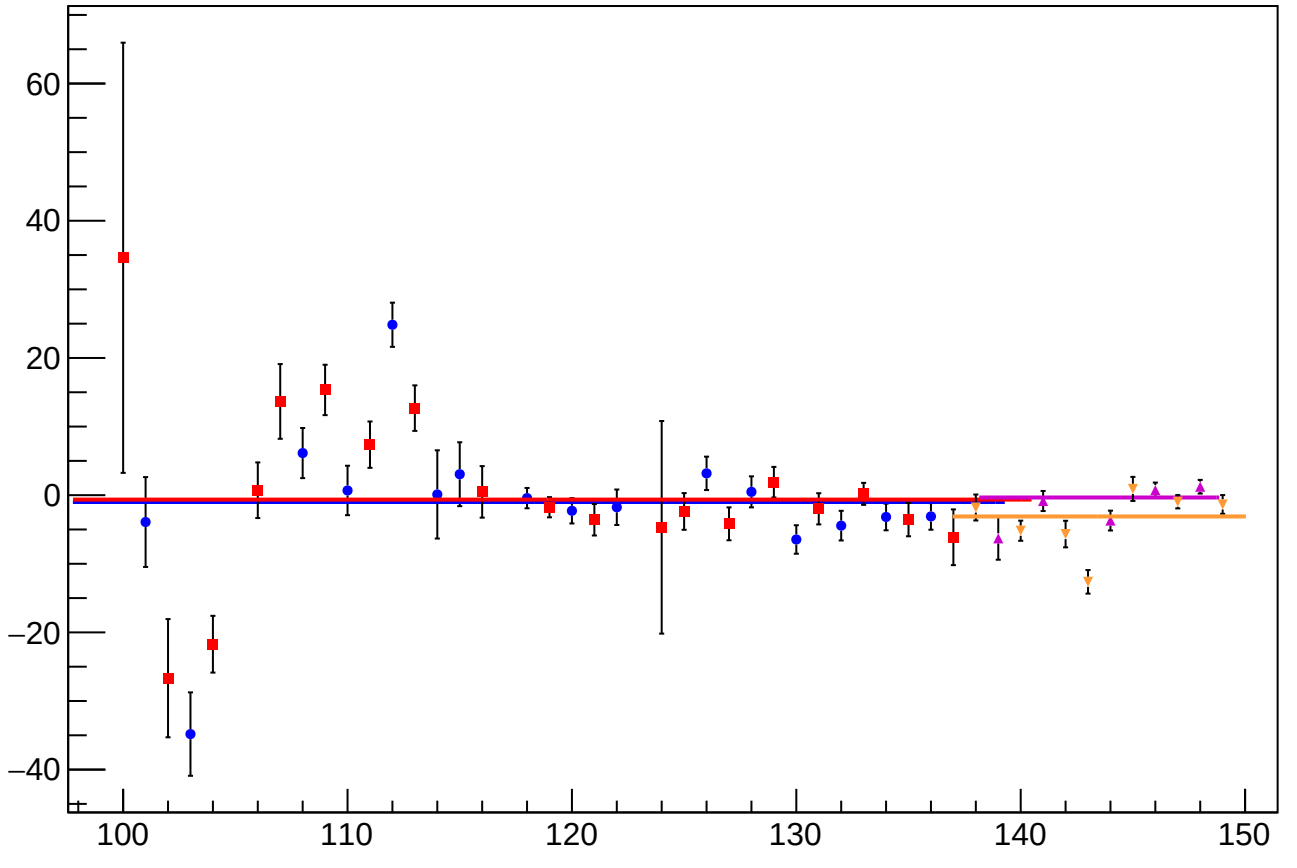
Left: 16.026+/-0.581 χ^2/NDF: 352.7/11

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.123+/-0.501 χ^2/NDF:1191.0/20

Out: 12.939+/-0.484 χ^2/NDF:2241.3/25

All: 13.028+/-0.348 χ^2/NDF: 3432.4/46



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -3.102+/-0.553 χ^2/NDF:46.7/6

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.338+/-0.590 χ^2/NDF:12.6/4

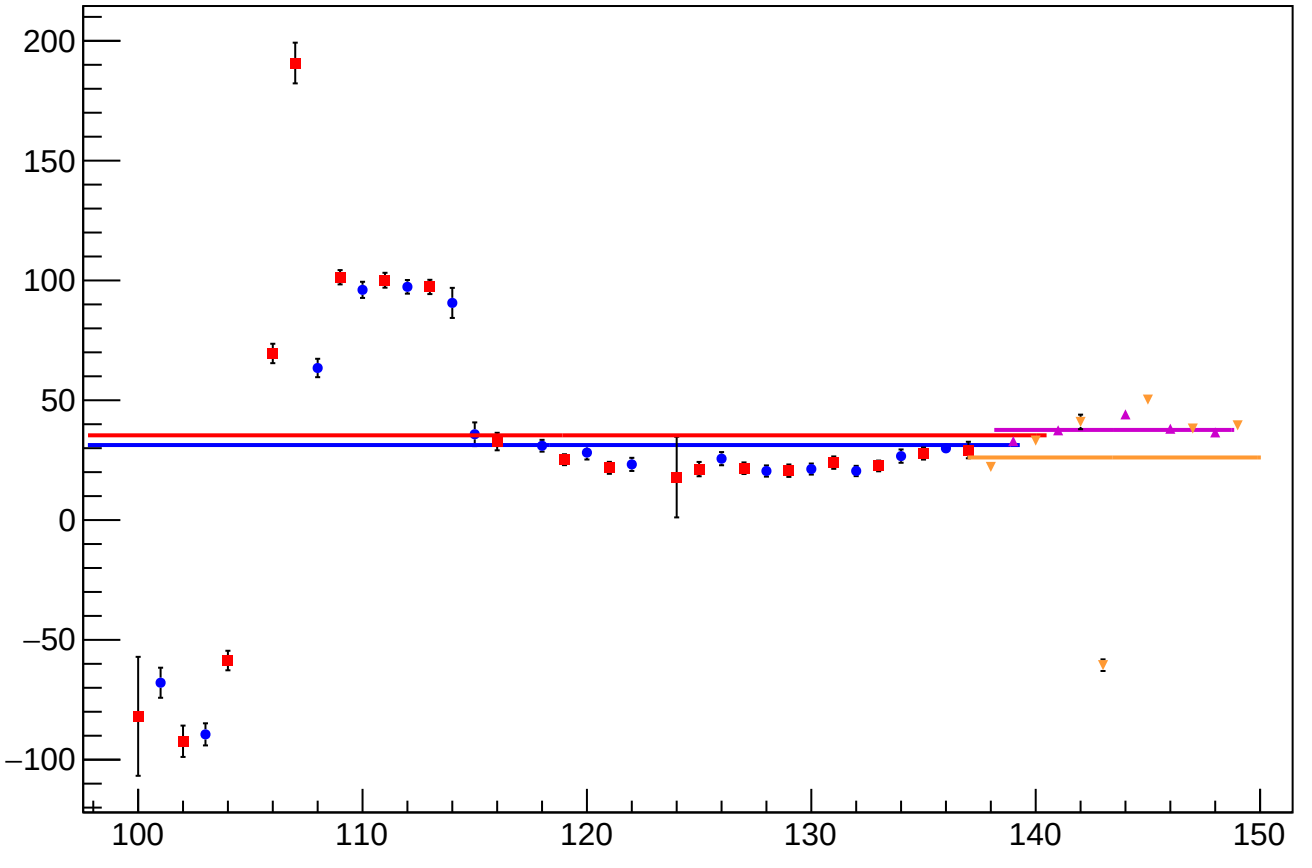
Left: -1.808+/-0.404 χ^2/NDF: 71.0/11

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.650+/-0.427 χ^2/NDF:129.5/20

Out: -2.042+/-0.417 χ^2/NDF:149.5/25

All: -1.362+/-0.298 χ^2/NDF: 284.5/46



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 26.121+/-0.787 χ^2/NDF:1537.5/6

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.621+/-0.864 χ^2/NDF:17.5/4

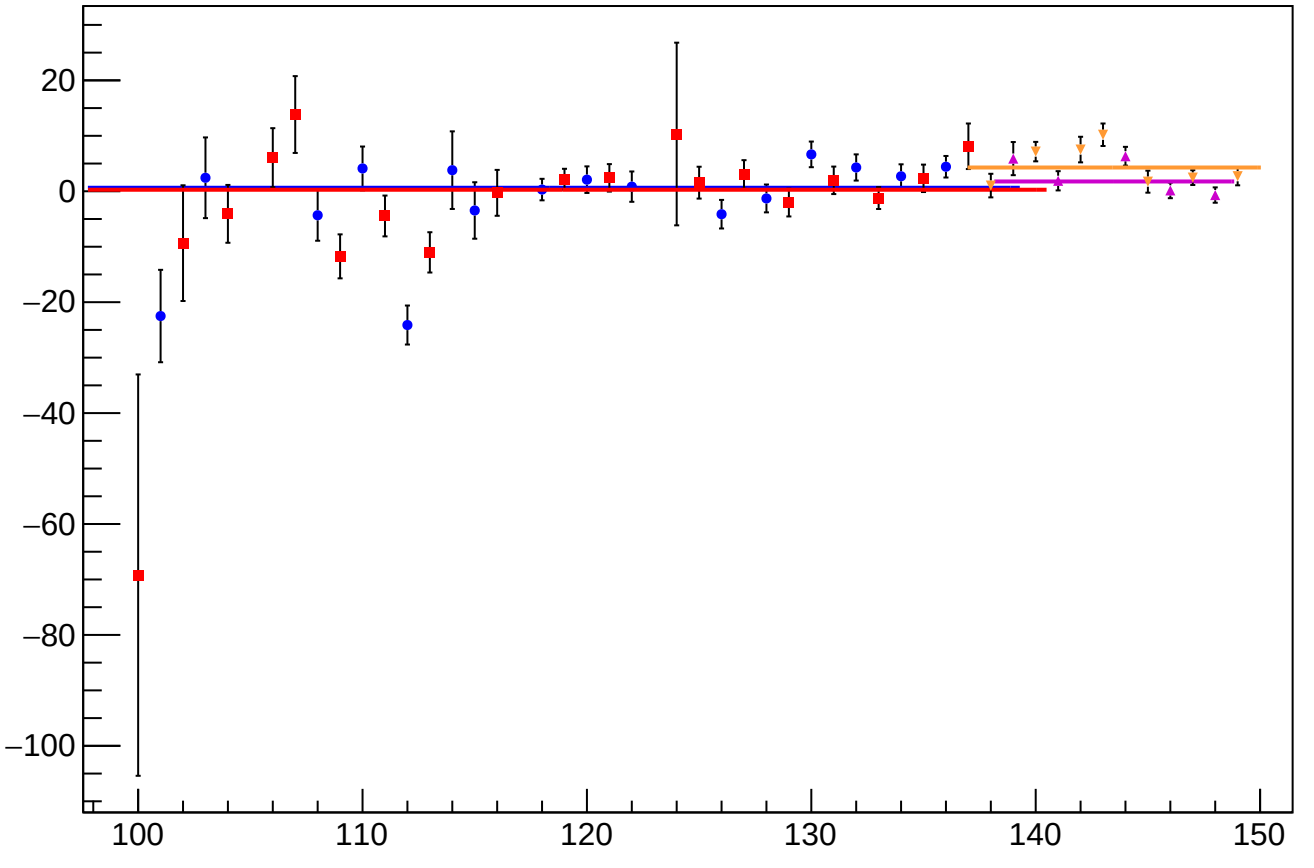
Left: 31.336+/-0.582 χ^2/NDF: 1651.9/11

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.812+/-0.544 χ^2/NDF:2135.6/20

Out: 31.172+/-0.530 χ^2/NDF:4510.6/25

All: 32.458+/-0.380 χ^2/NDF: 6658.3/46



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 4.285+/-0.680 χ^2/NDF:19.9/6

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.767+/-0.741 χ^2/NDF:13.6/4

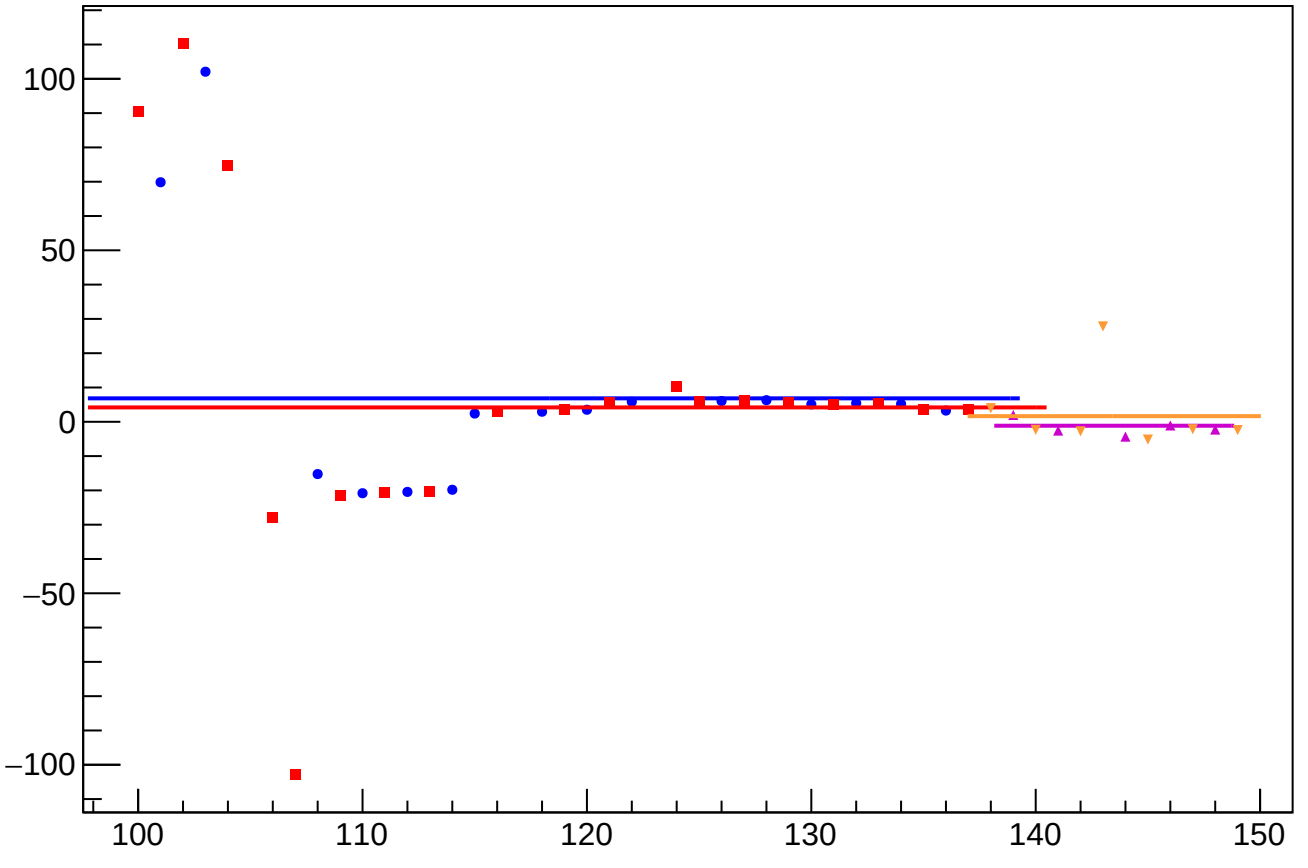
Left: 3.135+/-0.501 χ^2/NDF: 39.8/11

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.171+/-0.511 χ^2/NDF:93.2/20

Out: 2.412+/-0.496 χ^2/NDF:76.6/25

All: 1.809+/-0.356 χ^2/NDF: 172.9/46



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.645+/-0.033 χ^2/NDF:83394.3/6

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.146+/-0.035 χ^2/NDF:4134.9/4

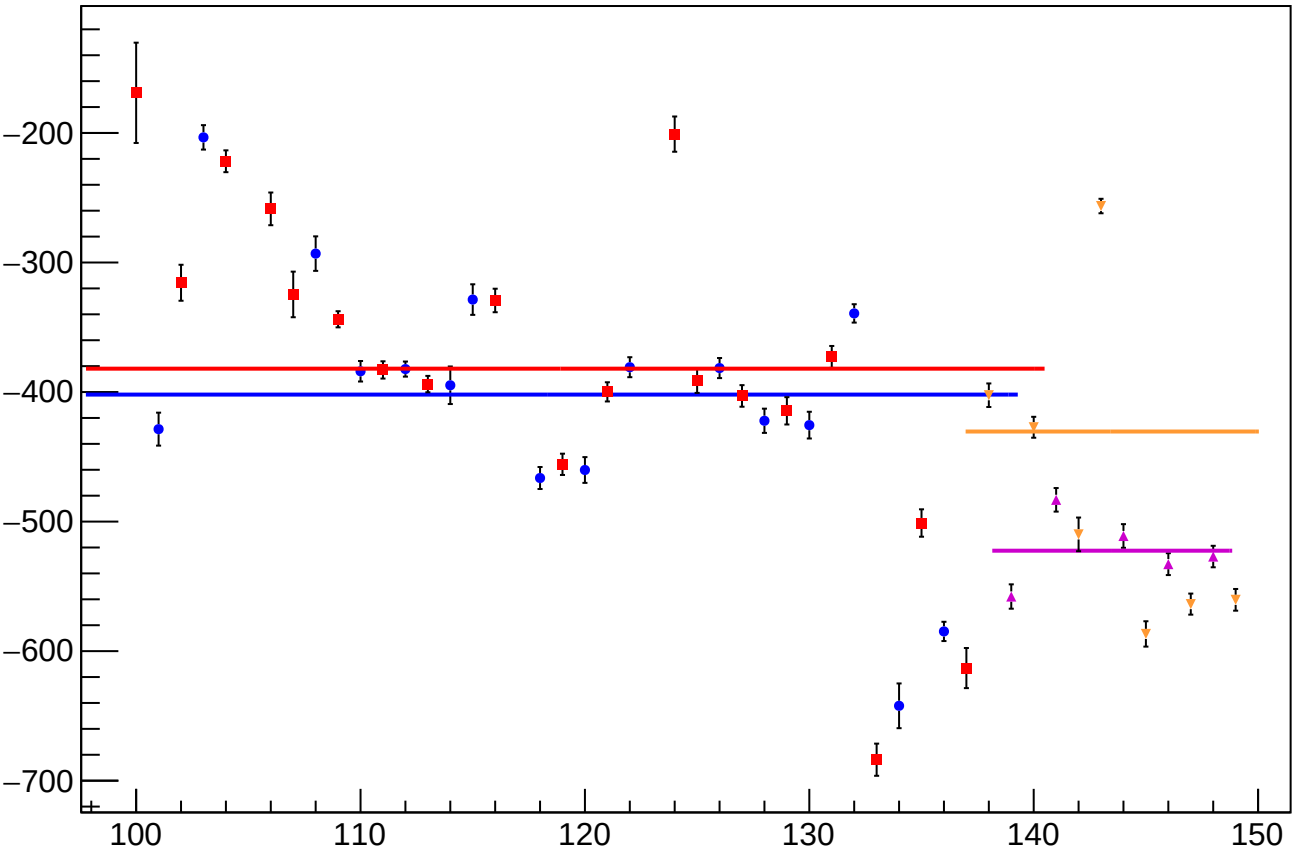
Left: 0.335+/-0.024 χ^2/NDF: 90930.4/11

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 2.034+/-0.027 χ^2/NDF:345982.4/20

Out: 2.496+/-0.027 χ^2/NDF:519952.7/25

All: 2.267+/-0.019 χ^2/NDF: 866082.5/46



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -430.467+/-3.083 χ^2/NDF:1781.6/6

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -522.467+/-3.955 χ^2/NDF:36.1/4

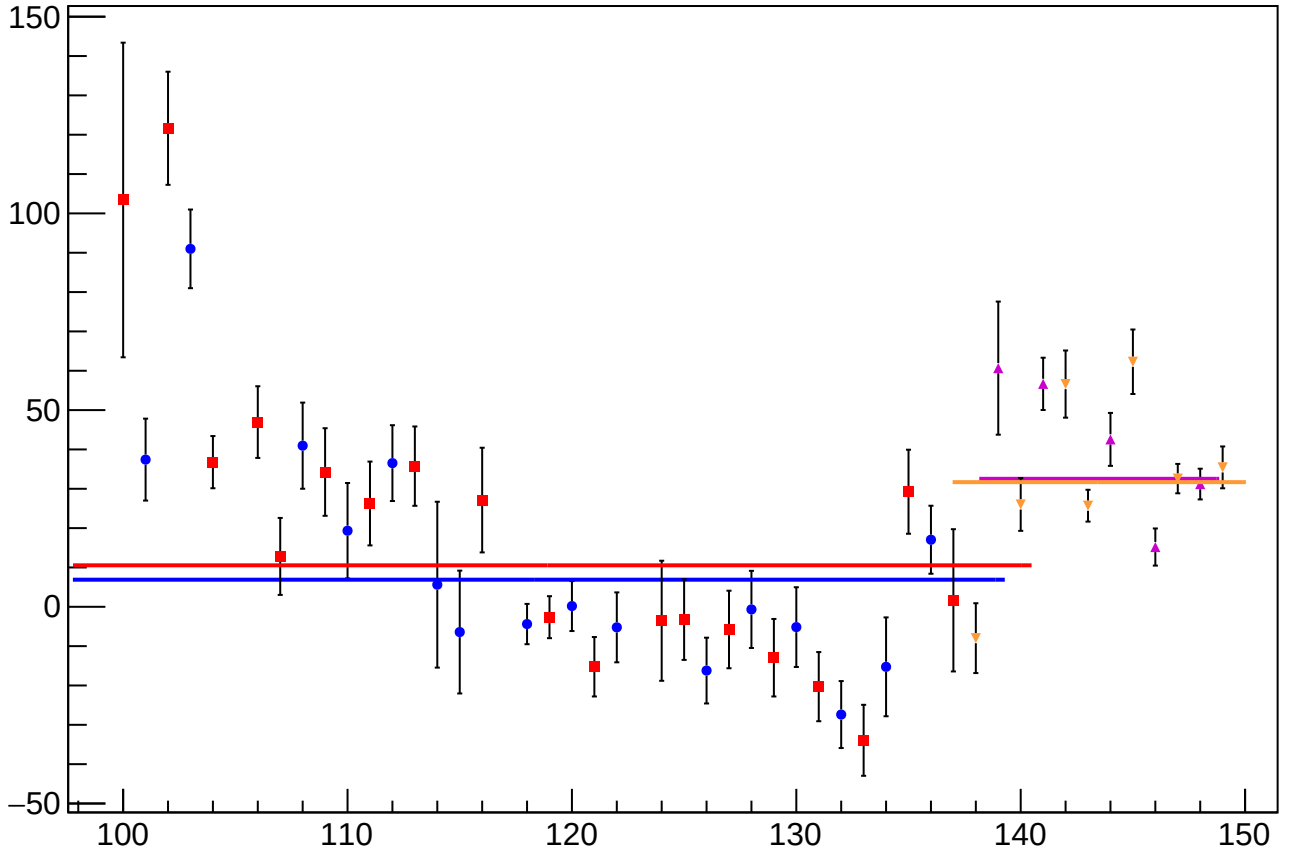
Left: -465.246+/-2.432 χ^2/NDF: 2154.2/11

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -431.149+/-1.947 χ^2/NDF:2302.9/20

Out: -397.566+/-1.749 χ^2/NDF:3766.9/25

All: -412.571+/-1.301 χ^2/NDF: 6234.4/46



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 31.685+/-2.078 χ^2/NDF:45.9/6

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 32.533+/-2.510 χ^2/NDF:31.8/4

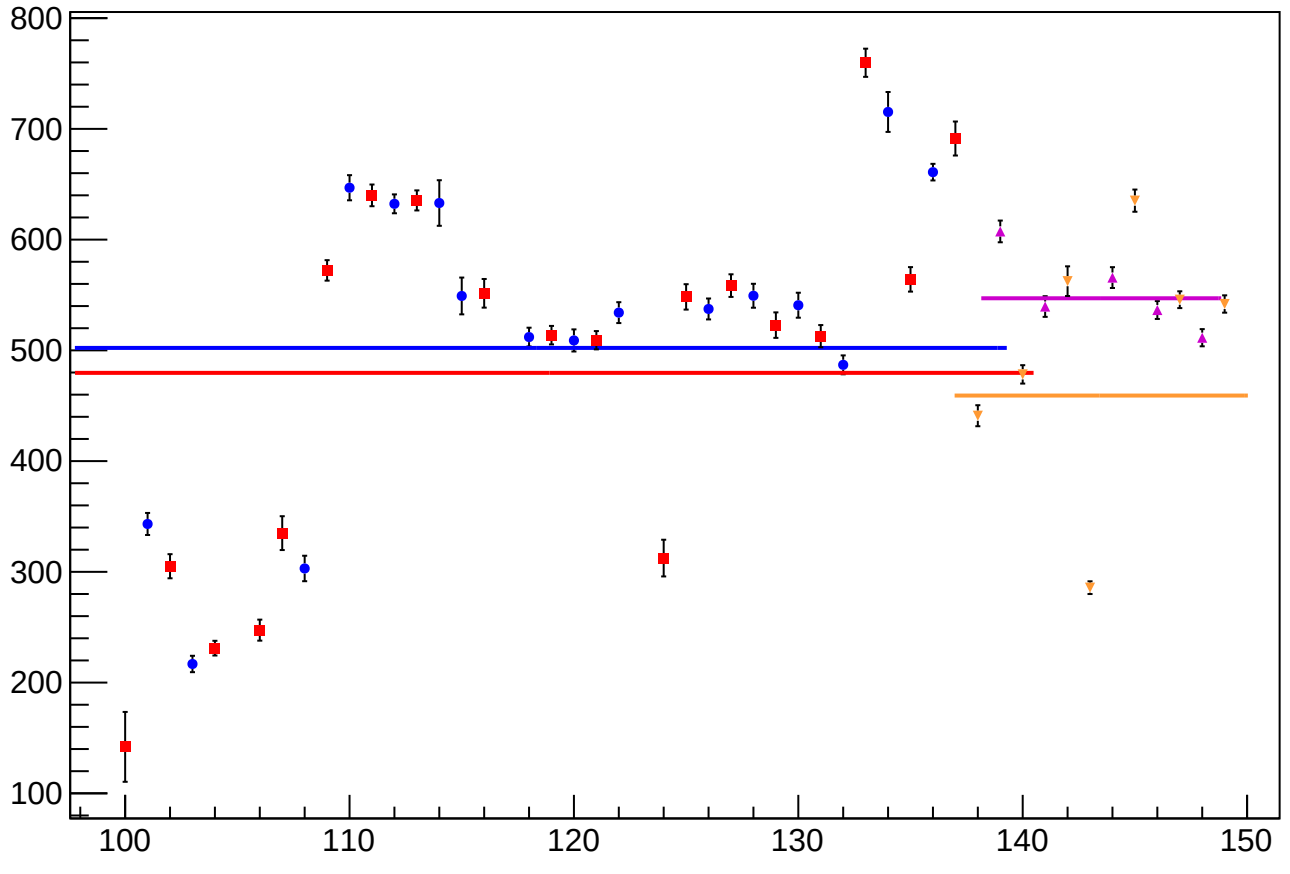
Left: 32.030+/-1.601 χ^2/NDF: 77.8/11

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 18.395+/-1.681 χ^2/NDF:227.8/20

Out: 21.703+/-1.510 χ^2/NDF:274.8/25

All: 20.226+/-1.123 χ^2/NDF: 504.8/46



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 459.197+/-3.084 χ^2/NDF:1530.8/6

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 547.033+/-3.919 χ^2/NDF:65.3/4

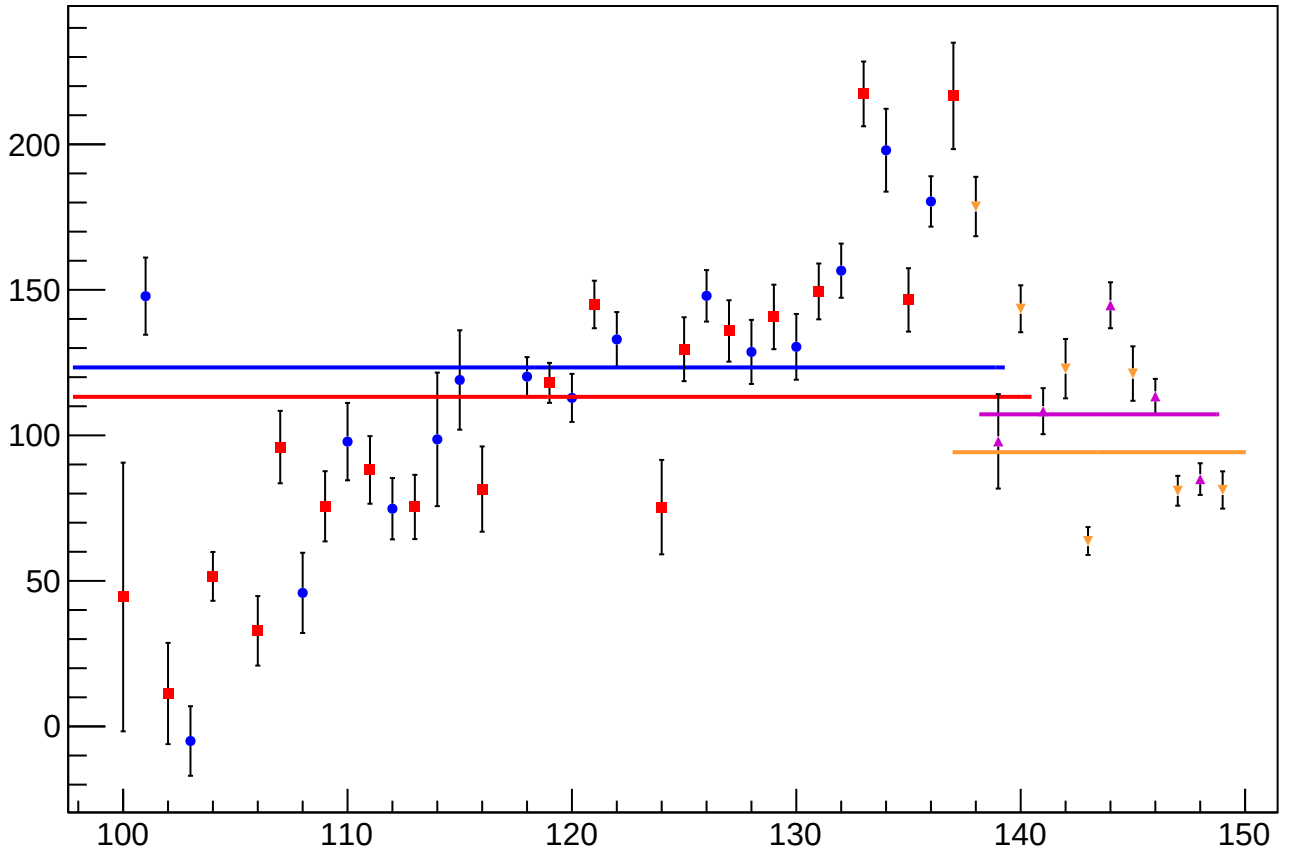
Left: 492.788+/-2.423 χ^2/NDF: 1906.3/11

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 515.125+/-2.103 χ^2/NDF:3293.5/20

Out: 471.956+/-1.894 χ^2/NDF:5696.9/25

All: 491.282+/-1.407 χ^2/NDF: 9223.1/46



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 94.215+/-2.564 χ^2/NDF:173.4/6

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 107.228+/-3.205 χ^2/NDF:40.7/4

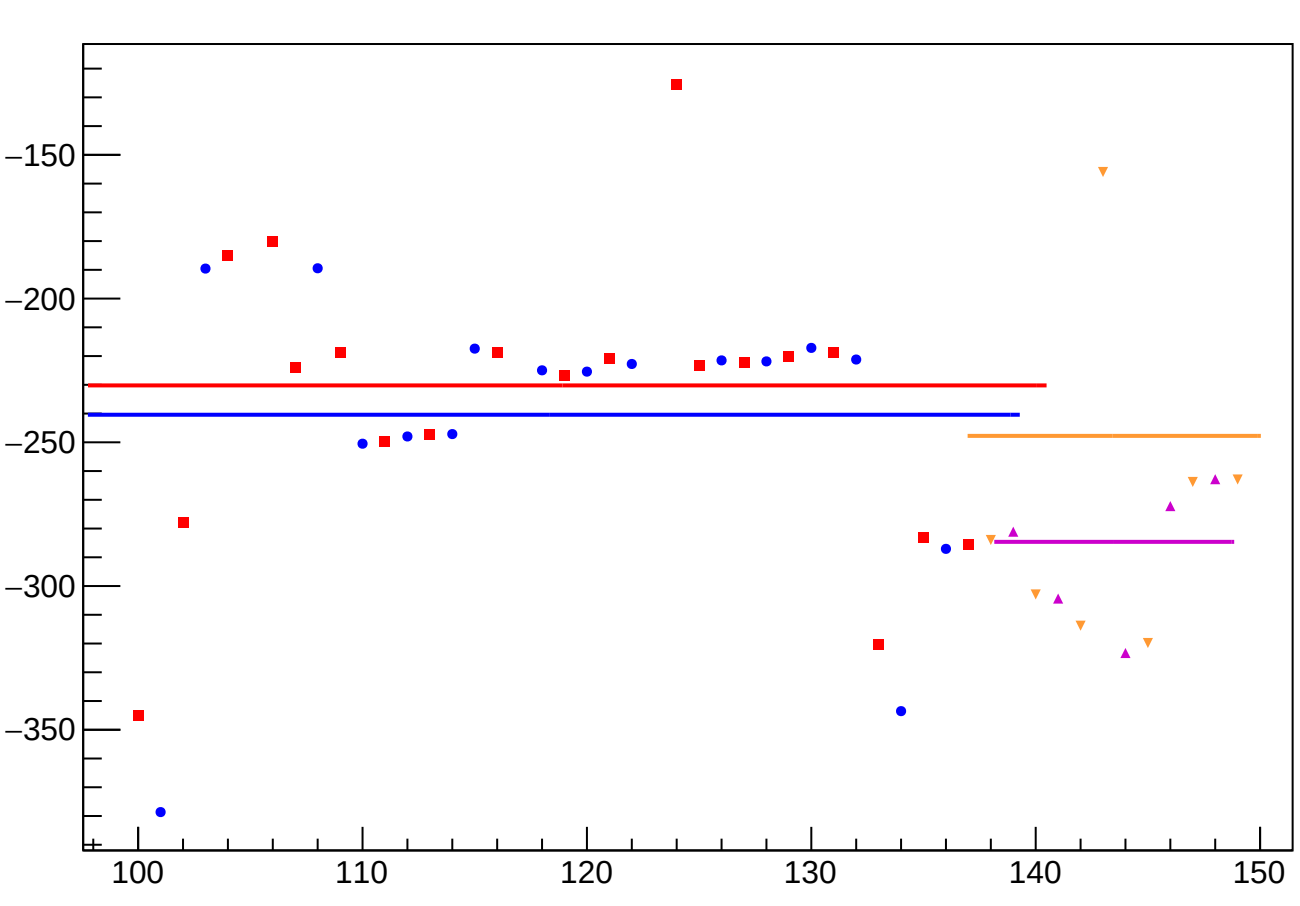
Left: 99.294+/-2.002 χ^2/NDF: 224.2/11

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 116.868+/-2.032 χ^2/NDF:327.2/20

Out: 103.797+/-1.806 χ^2/NDF:546.9/25

All: 109.568+/-1.350 χ^2/NDF: 897.2/46



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -247.762+/-0.130 χ^2/NDF:229986.7/6

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -284.629+/-0.160 χ^2/NDF:17272.1/4

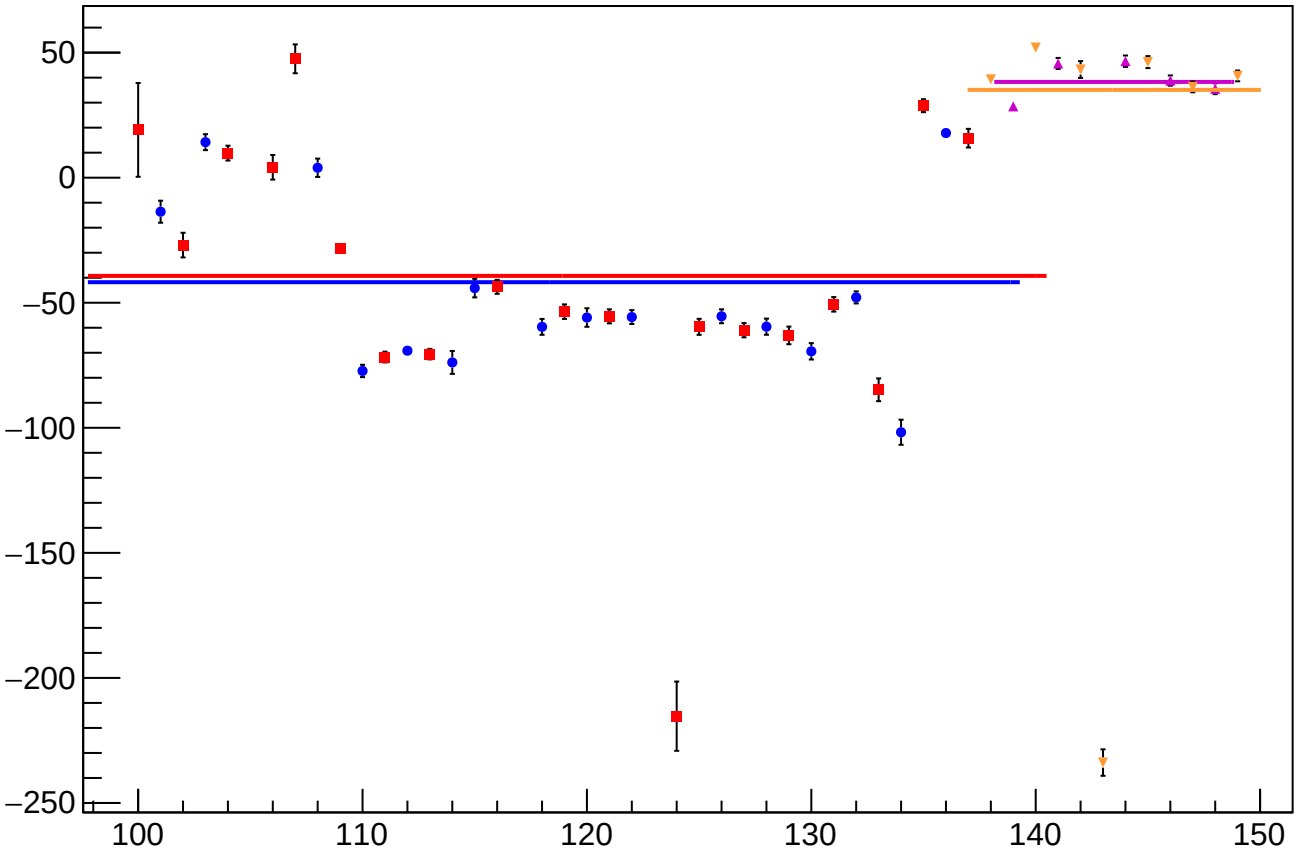
Left: -262.405+/-0.101 χ^2/NDF: 279234.3/11

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.175+/-0.110 χ^2/NDF:191897.1/20

Out: -240.032+/-0.097 χ^2/NDF:321455.1/25

All: -249.333+/-0.073 χ^2/NDF: 534161.5/46



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 35.105+/-0.894 χ^2/NDF:2698.5/6

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 38.282+/-0.945 χ^2/NDF:51.6/4

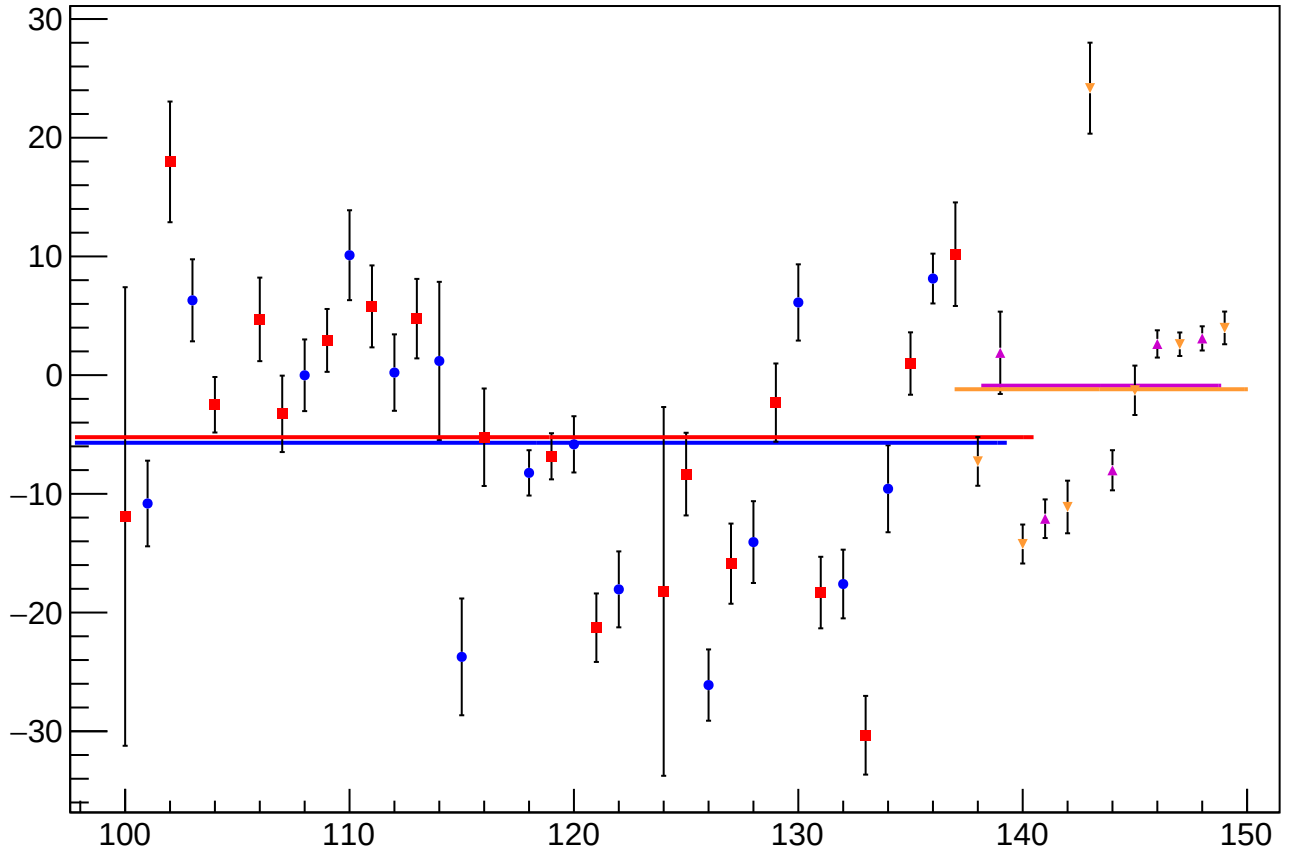
Left: 36.604+/-0.649 χ^2/NDF: 2756.1/11

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -12.235+/-0.574 χ^2/NDF:6982.3/20

Out: -12.010+/-0.541 χ^2/NDF:9564.5/25

All: -12.116+/-0.394 χ^2/NDF: 16546.9/46



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.188+/-0.613 χ^2/NDF:164.4/6

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.888+/-0.629 χ^2/NDF:90.5/4

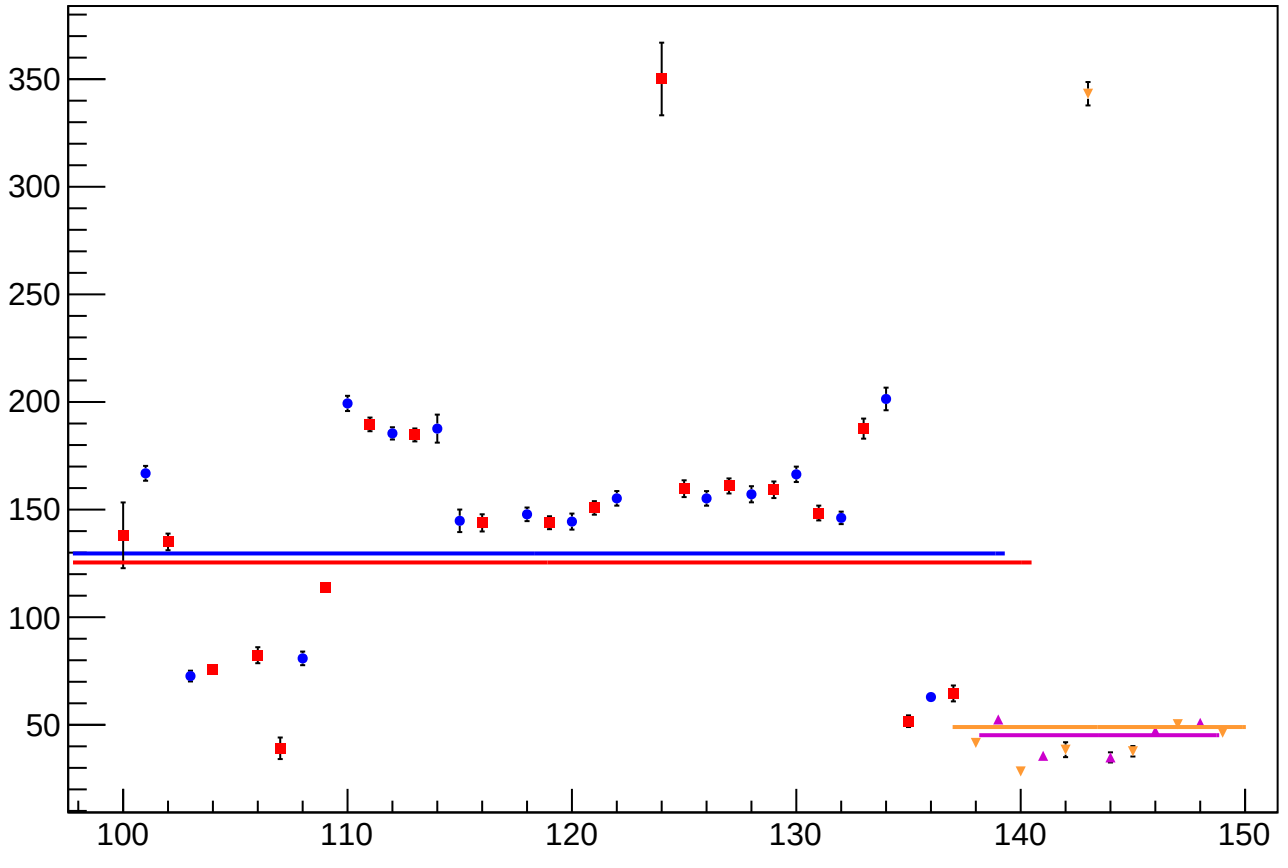
Left: -1.042+/-0.439 χ^2/NDF: 255.0/11

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.863+/-0.483 χ^2/NDF:311.2/20

Out: -2.833+/-0.472 χ^2/NDF:379.4/25

All: -2.848+/-0.338 χ^2/NDF: 690.6/46



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 48.971+/-0.888 χ^2/NDF:3077.1/6

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 45.178+/-0.942 χ^2/NDF:59.2/4

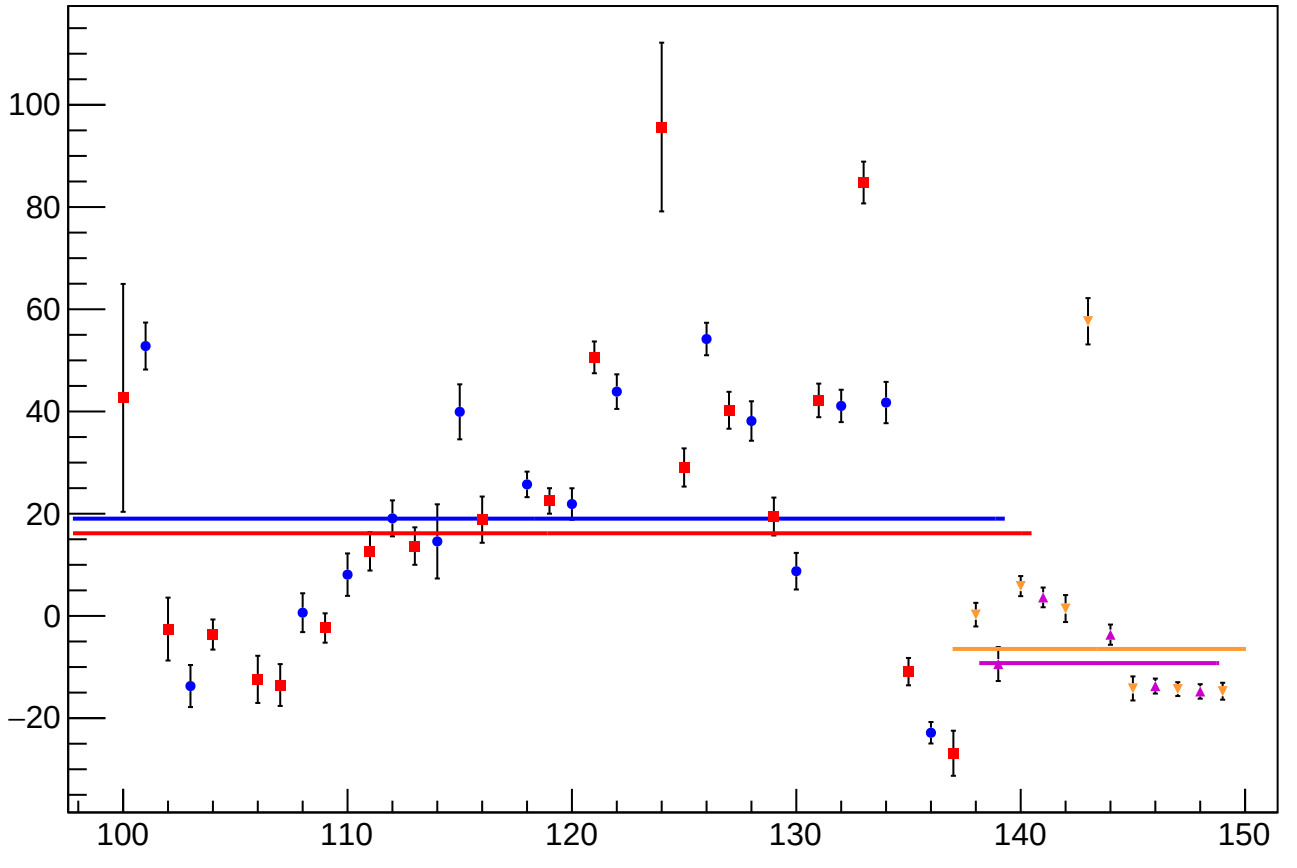
Left: 47.185+/-0.646 χ^2/NDF: 3144.9/11

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 94.185+/-0.610 χ^2/NDF:8351.8/20

Out: 91.674+/-0.590 χ^2/NDF:10718.6/25

All: 92.888+/-0.424 χ^2/NDF: 19079.2/46



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -6.455+/-0.761 χ^2/NDF:325.8/6

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -9.226+/-0.796 χ^2/NDF:76.9/4

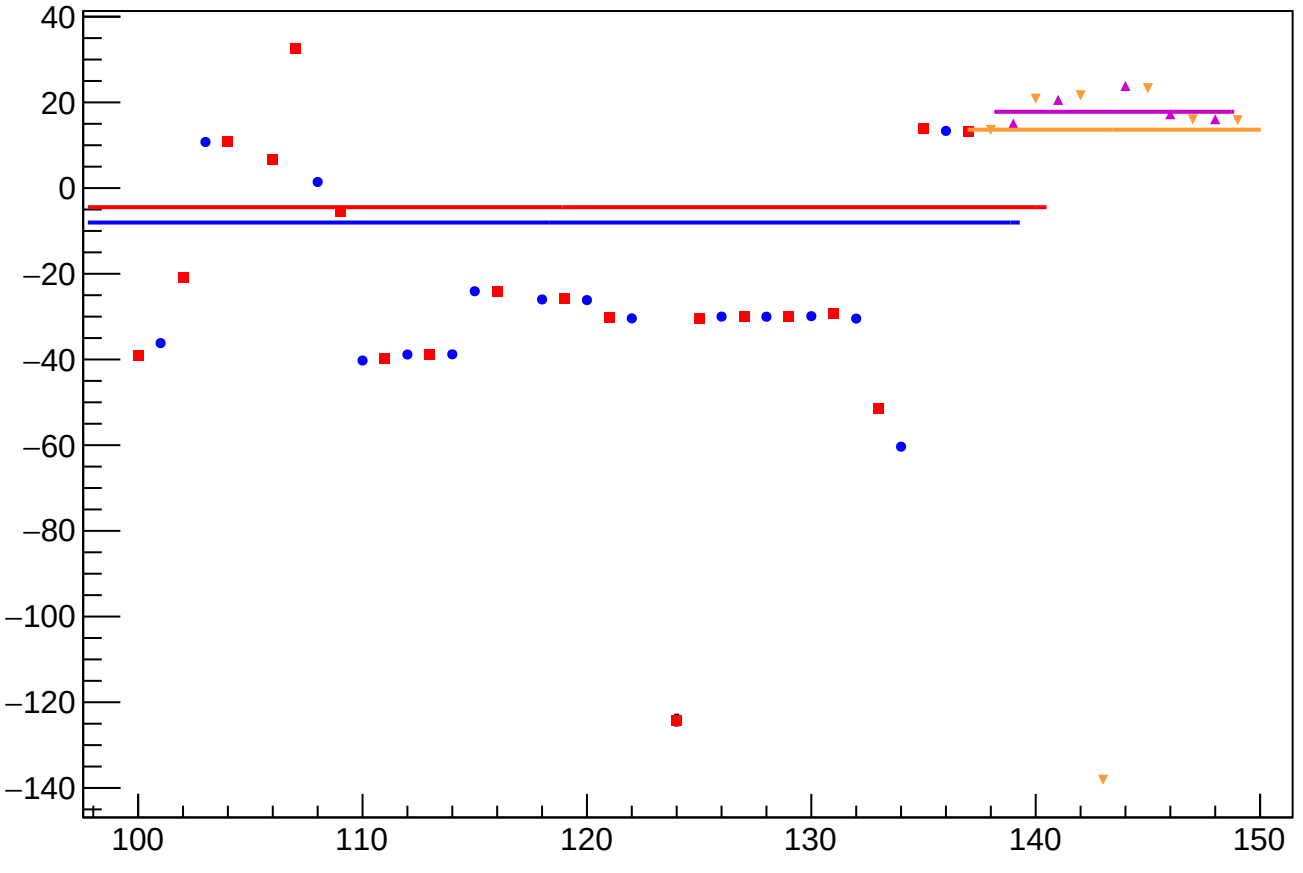
Left: -7.778+/-0.550 χ^2/NDF: 409.1/11

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 3.818+/-0.584 χ^2/NDF:1516.6/20

Out: 3.664+/-0.566 χ^2/NDF:1662.6/25

All: 3.739+/-0.406 χ^2/NDF: 3179.2/46



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.631+/-0.037 χ^2/NDF:470054.6/6

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.807+/-0.038 χ^2/NDF:6119.8/4

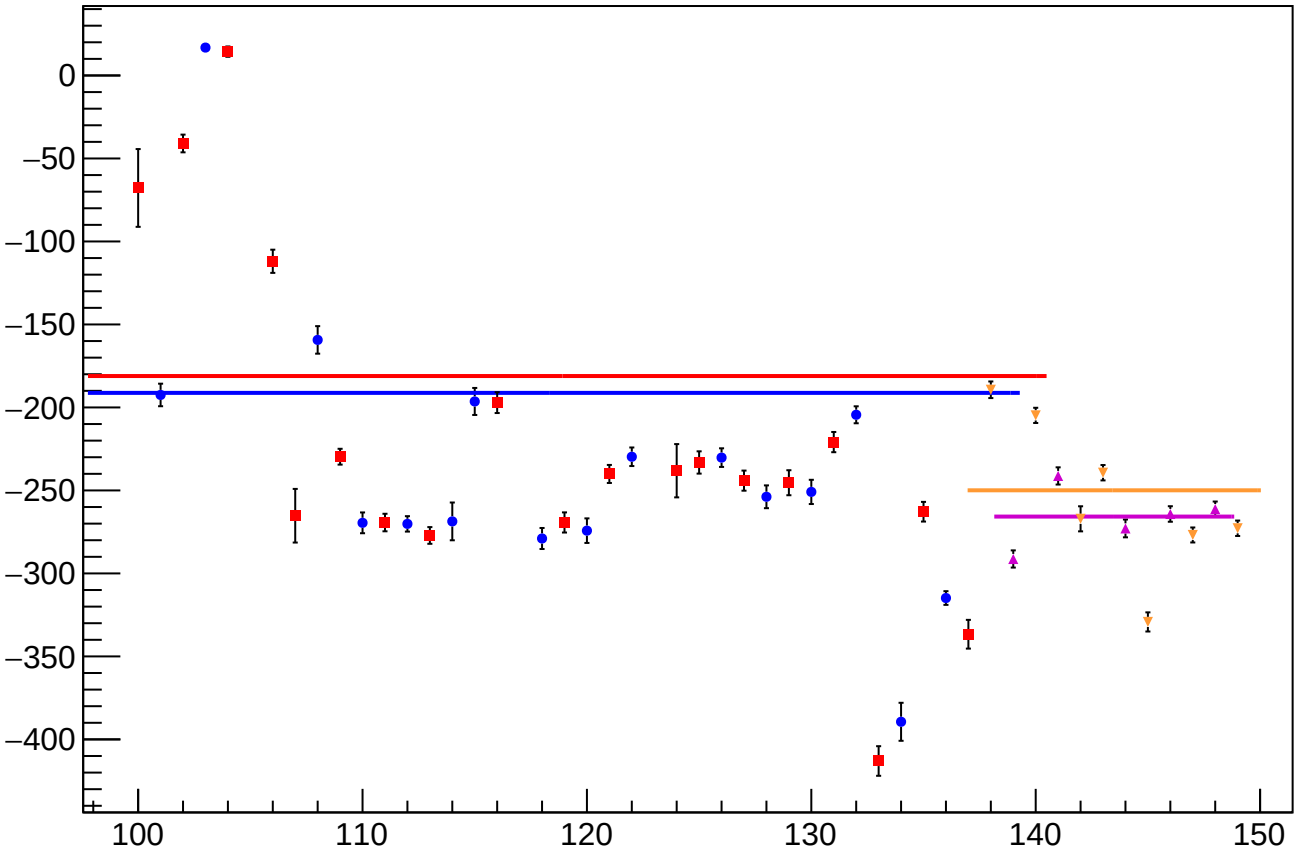
Left: 15.672+/-0.027 χ^2/NDF: 482351.3/11

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 7.282+/-0.029 χ^2/NDF:462521.4/20

Out: 6.641+/-0.029 χ^2/NDF:790186.9/25

All: 6.960+/-0.021 χ^2/NDF: 1252949.7/46



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.928+/-1.899 χ^2/NDF:503.2/6

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -265.753+/-2.219 χ^2/NDF:49.5/4

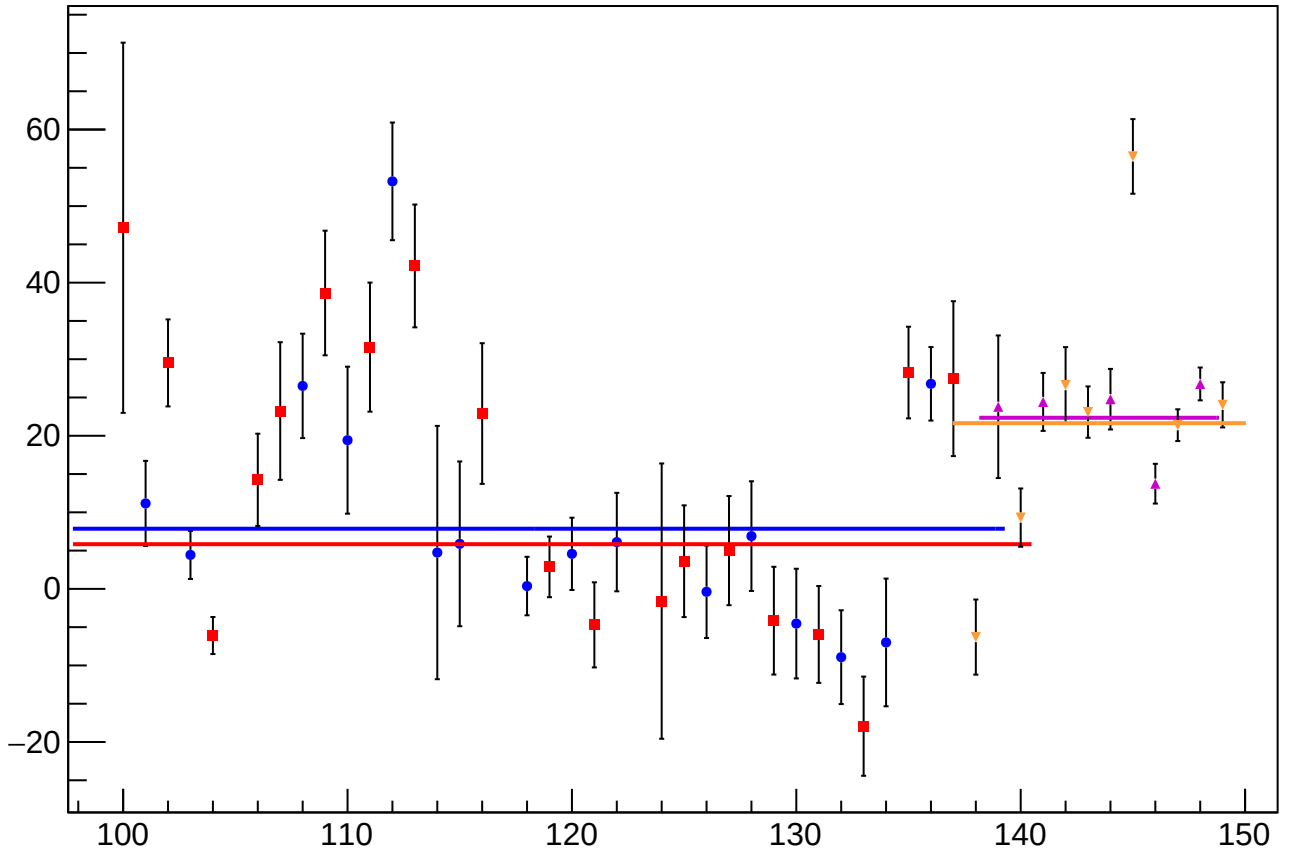
Left: -256.620+/-1.443 χ^2/NDF: 582.0/11

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -212.852+/-1.195 χ^2/NDF:8075.1/20

Out: -204.927+/-1.118 χ^2/NDF:8736.1/25

All: -208.624+/-0.816 χ^2/NDF: 16834.7/46



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 21.646+/-1.260 χ^2/NDF:95.9/6

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 22.351+/-1.399 χ^2/NDF:15.9/4

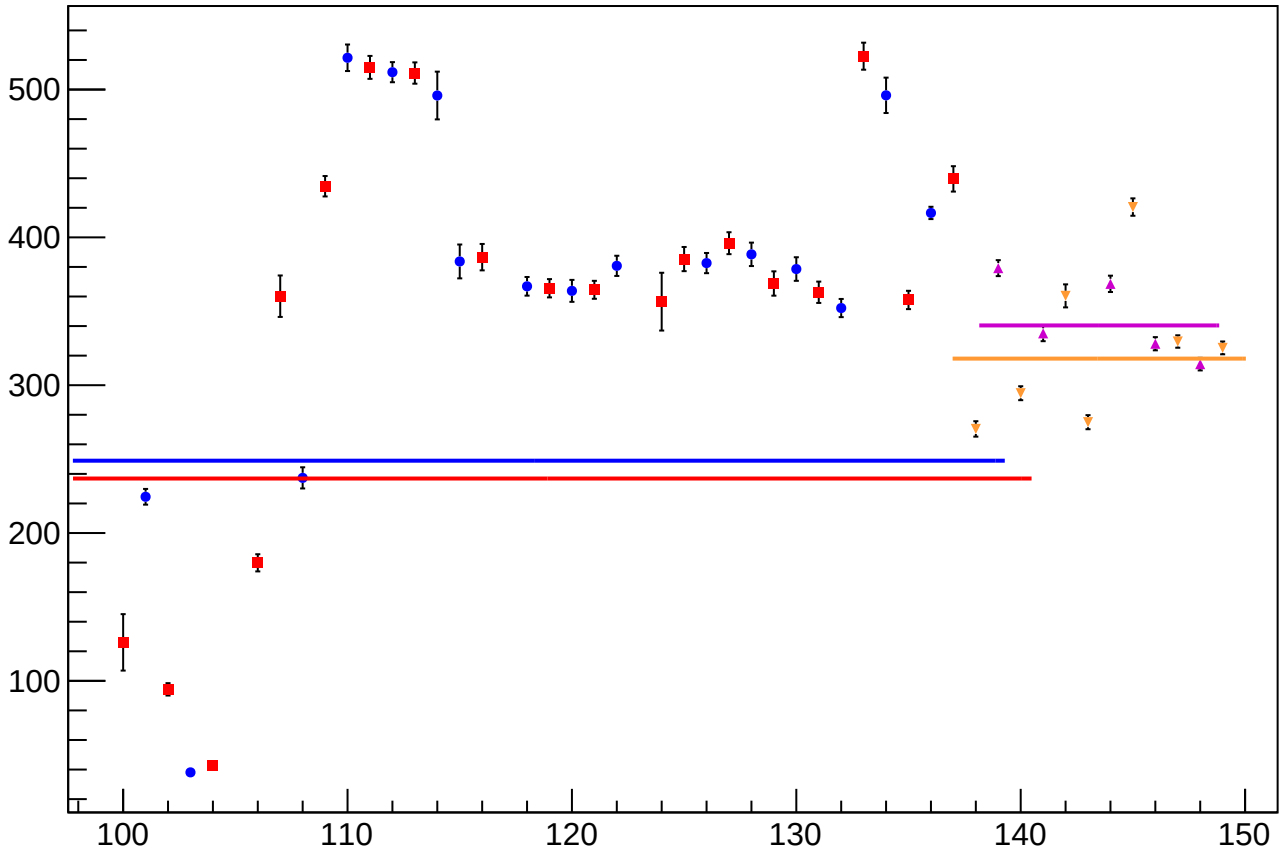
Left: 21.962+/-0.936 χ^2/NDF: 112.0/11

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 15.304+/-1.003 χ^2/NDF:149.0/20

Out: 14.316+/-0.923 χ^2/NDF:310.7/25

All: 14.769+/-0.679 χ^2/NDF: 460.2/46



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 317.987+/-1.887 χ^2/NDF:532.7/6

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 340.426+/-2.195 χ^2/NDF:123.8/4

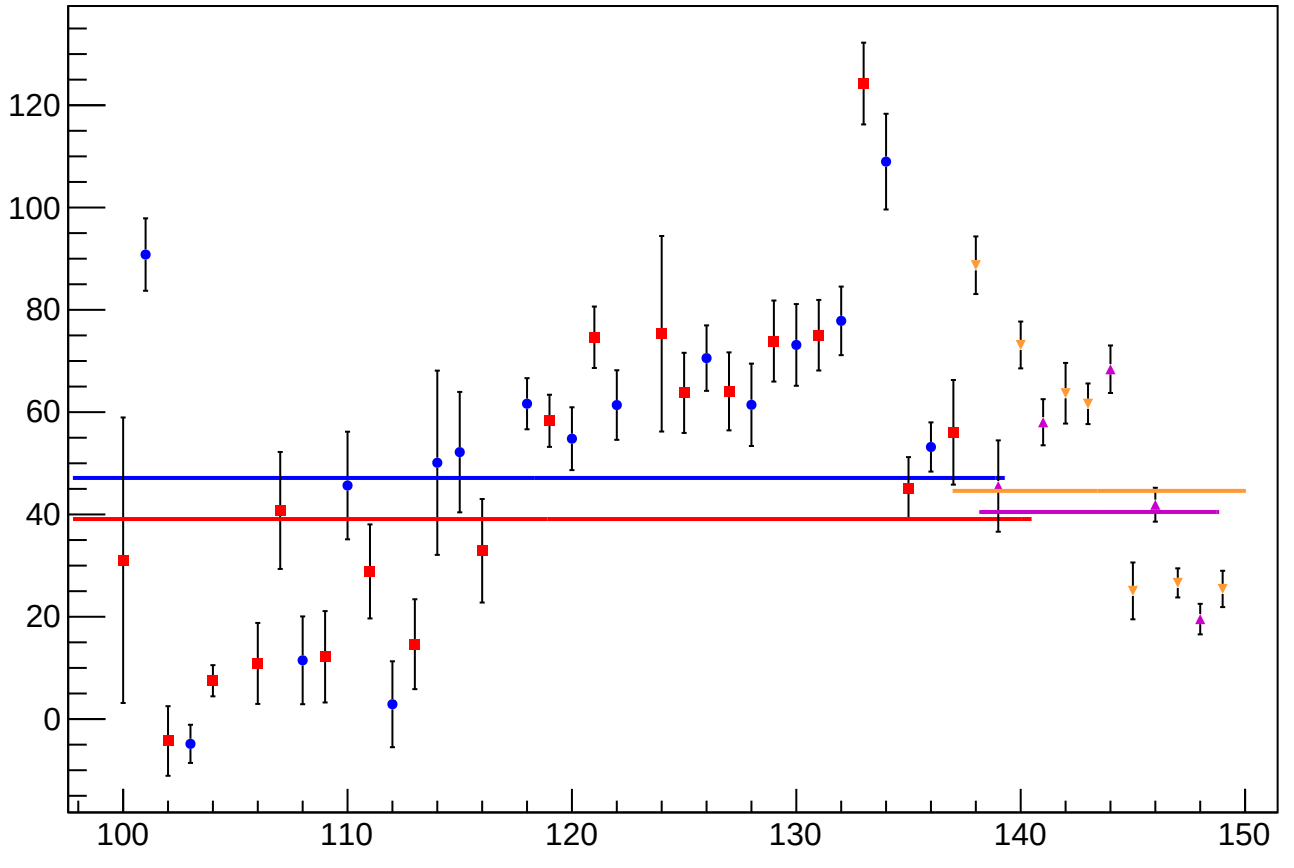
Left: 327.523+/-1.431 χ^2/NDF: 716.7/11

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 275.969+/-1.193 χ^2/NDF:16649.9/20

Out: 265.842+/-1.128 χ^2/NDF:17377.7/25

All: 270.620+/-0.820 χ^2/NDF: 34065.6/46



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 44.608+/-1.569 χ^2/NDF:210.4/6

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 40.484+/-1.792 χ^2/NDF:101.0/4

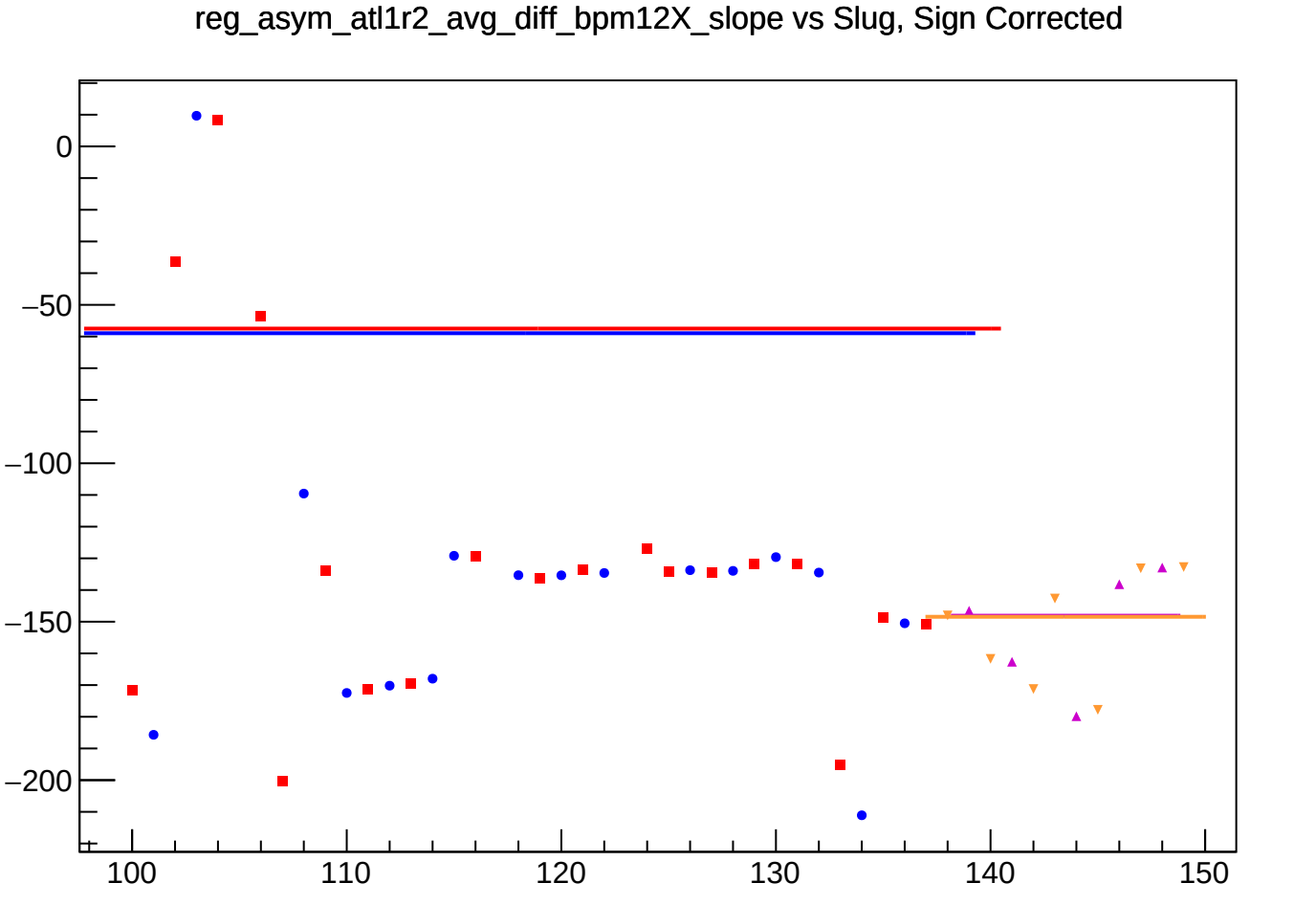
Left: 42.819+/-1.180 χ^2/NDF: 314.3/11

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 44.049+/-1.221 χ^2/NDF:493.7/20

Out: 41.904+/-1.119 χ^2/NDF:632.9/25

All: 42.883+/-0.825 χ^2/NDF: 1128.2/46



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -148.443+/-0.080 χ^2/NDF:39853.1/6

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -148.101+/-0.089 χ^2/NDF:31324.0/4

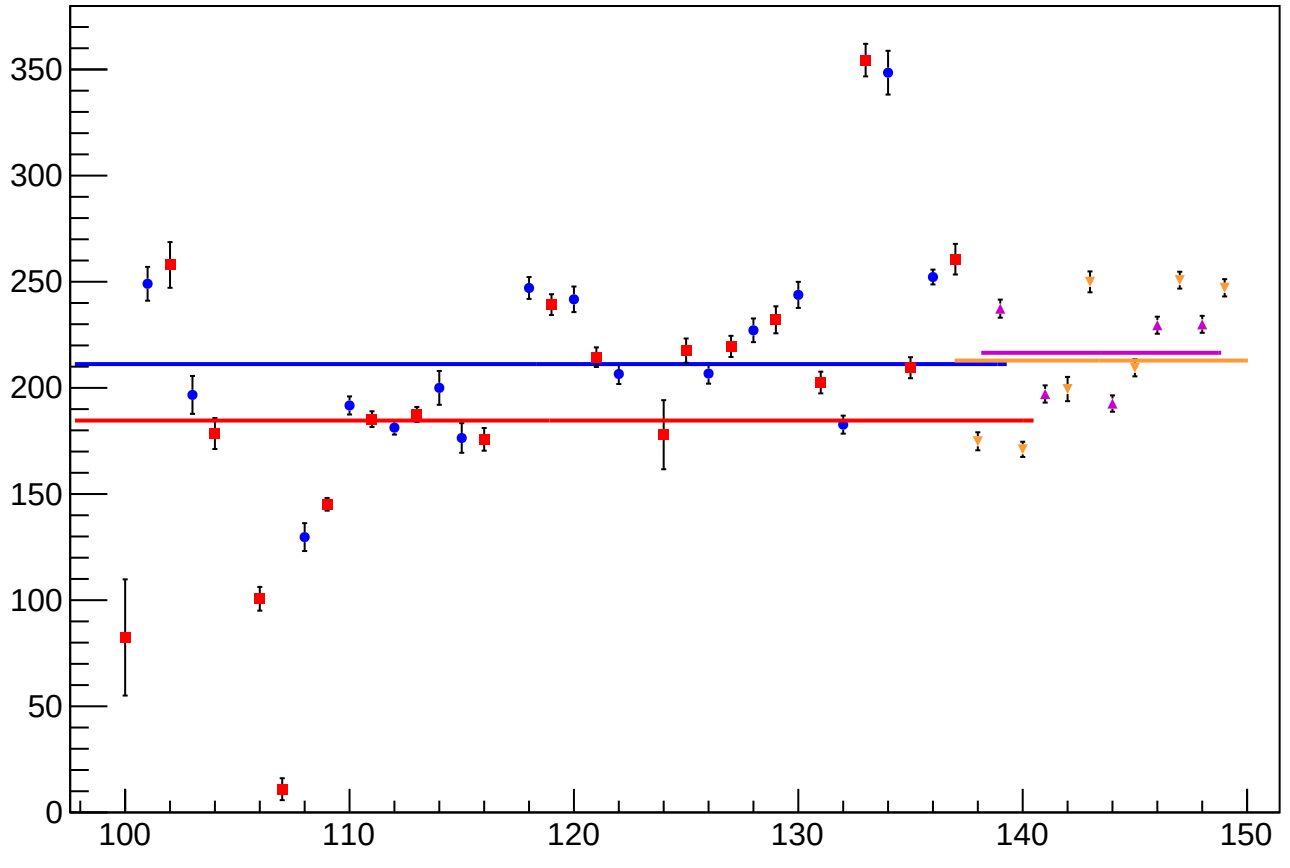
Left: -148.292+/-0.059 χ^2/NDF: 71185.2/11

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -94.369+/-0.056 χ^2/NDF:1857237.4/20

Out: -99.765+/-0.054 χ^2/NDF:1608226.3/25

All: -97.167+/-0.039 χ^2/NDF: 3470214.2/46



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 212.876+/-1.601 χ^2/NDF:440.7/6

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 216.535+/-1.803 χ^2/NDF:106.9/4

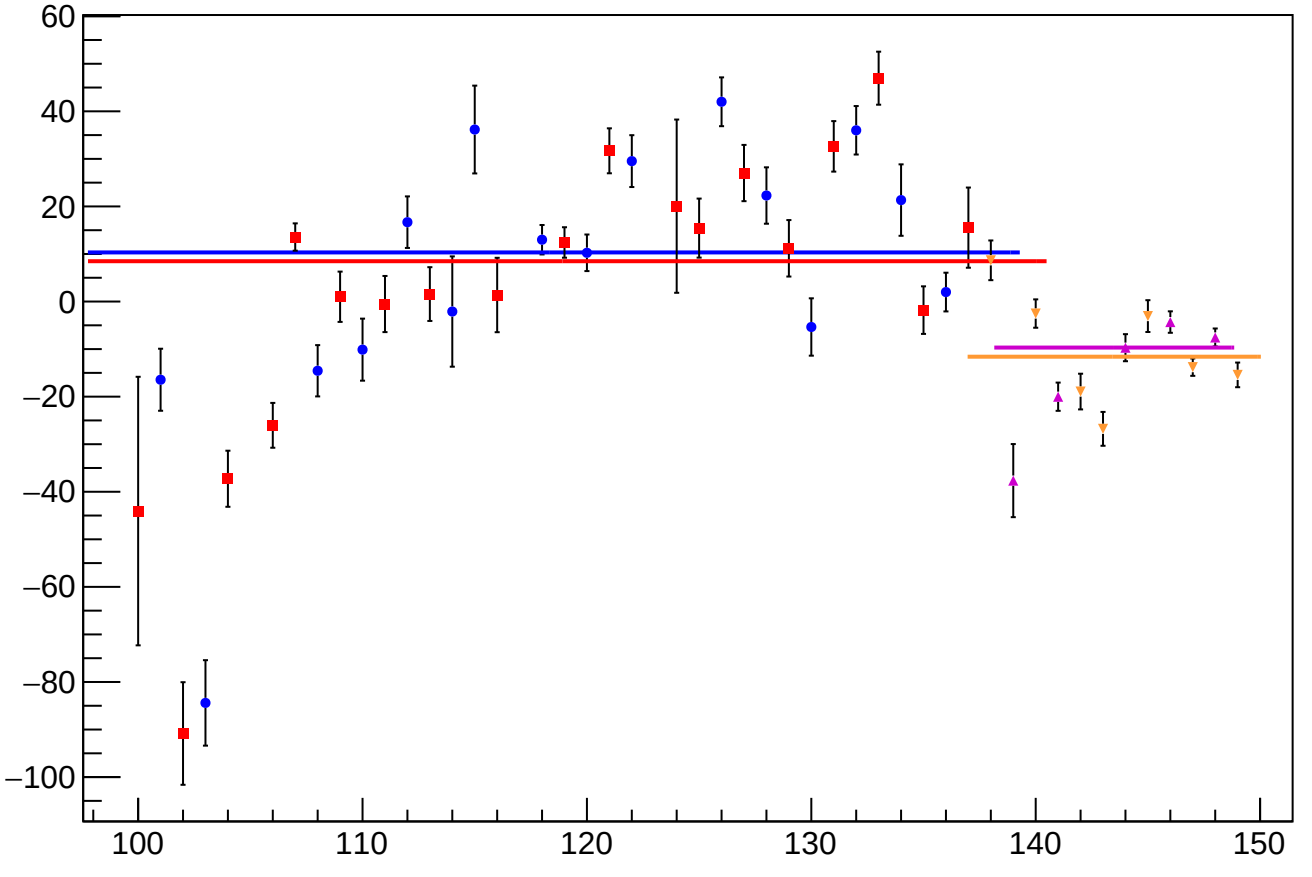
Left: 214.489+/-1.197 χ^2/NDF: 550.0/11

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.023+/-1.052 χ^2/NDF:895.7/20

Out: 194.716+/-0.957 χ^2/NDF:3181.4/25

All: 203.004+/-0.708 χ^2/NDF: 4242.8/46



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -11.599+/-1.080 χ^2/NDF:64.9/6

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -9.678+/-1.170 χ^2/NDF:32.3/4

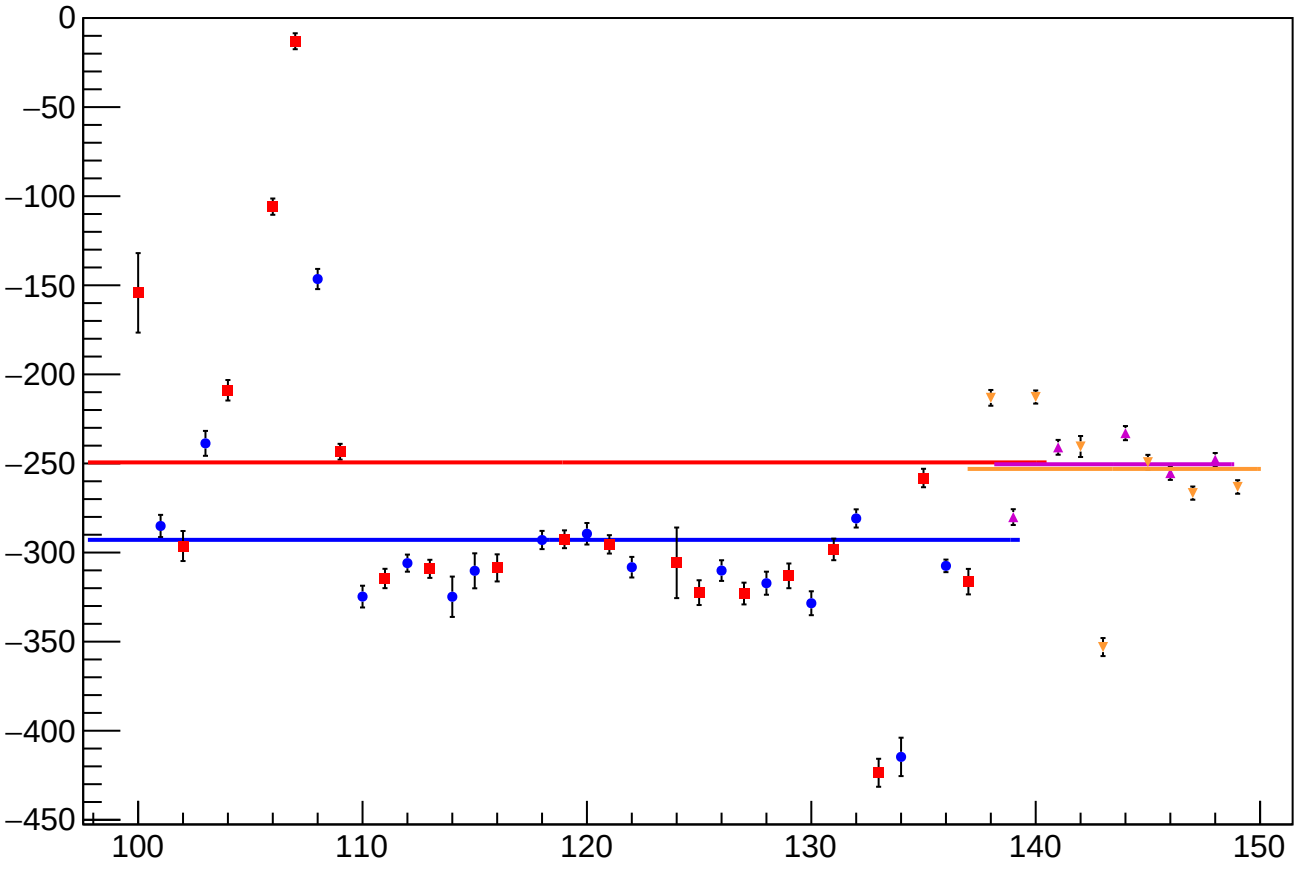
Left: -10.715+/-0.793 χ^2/NDF: 98.7/11

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: -0.973+/-0.879 χ^2/NDF:422.9/20

Out: -2.817+/-0.810 χ^2/NDF:538.5/25

All: -1.971+/-0.596 χ^2/NDF: 963.8/46



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -253.064+/-1.596 χ^2/NDF:616.8/6

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -250.447+/-1.793 χ^2/NDF:71.4/4

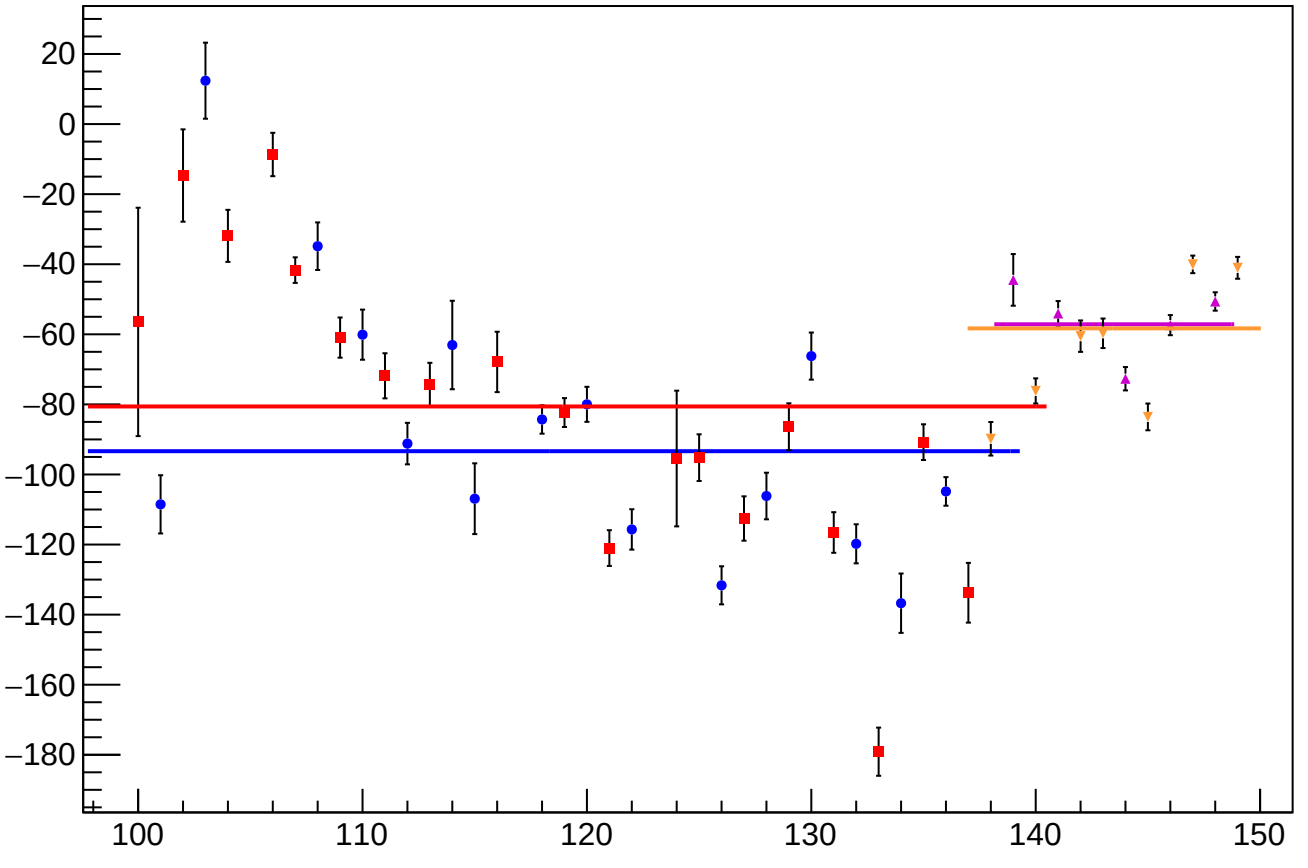
Left: -251.907+/-1.192 χ^2/NDF: 689.4/11

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -275.858+/-1.136 χ^2/NDF:1390.1/20

Out: -250.957+/-1.039 χ^2/NDF:5988.3/25

All: -262.302+/-0.767 χ^2/NDF: 7640.1/46



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -58.312+/-1.339 χ^2/NDF:196.1/6

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -57.143+/-1.483 χ^2/NDF:31.6/4

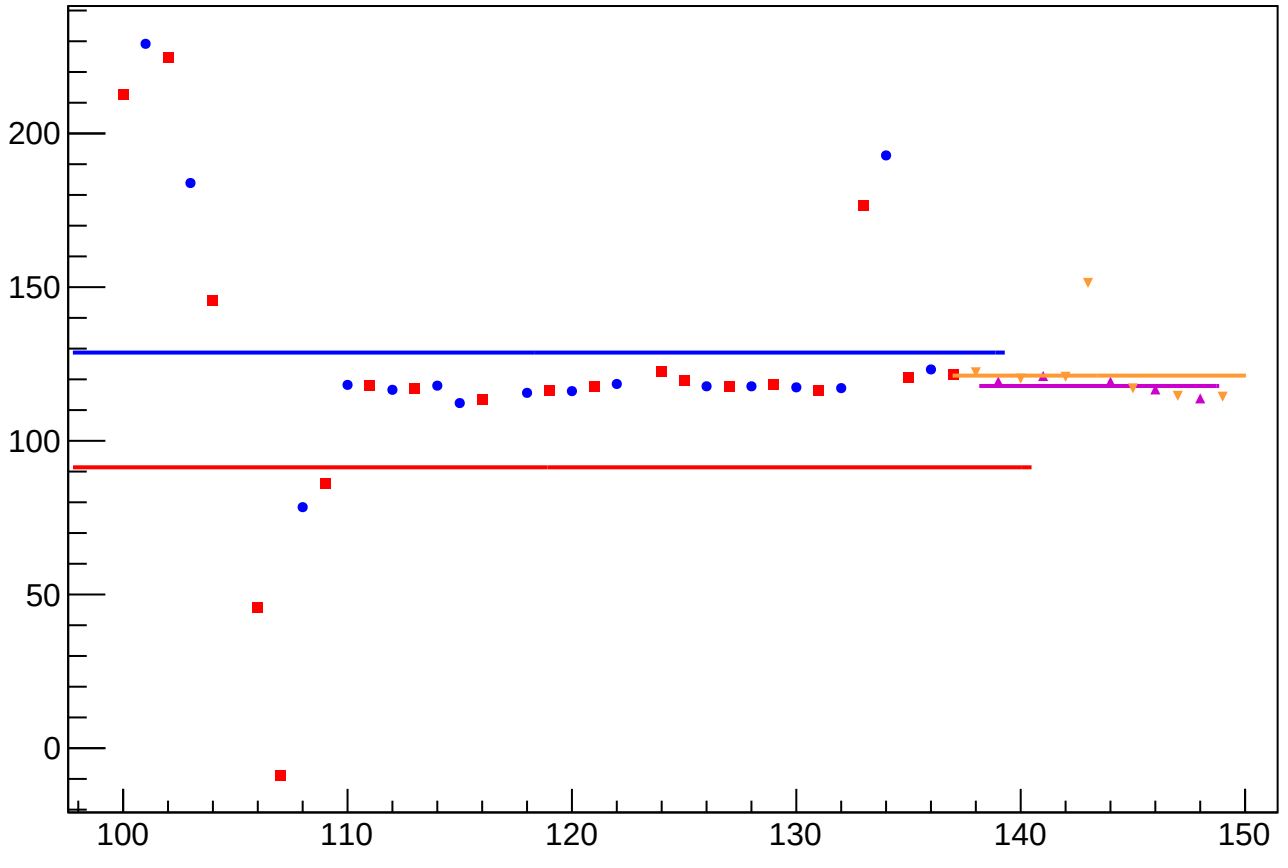
Left: -57.787+/-0.994 χ^2/NDF: 228.1/11

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -74.632+/-1.066 χ^2/NDF:674.9/20

Out: -68.764+/-0.975 χ^2/NDF:1041.4/25

All: -71.437+/-0.720 χ^2/NDF: 1732.9/46



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 121.224+/-0.067 χ^2/NDF:24564.8/6

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 117.844+/-0.073 χ^2/NDF:1264.9/4

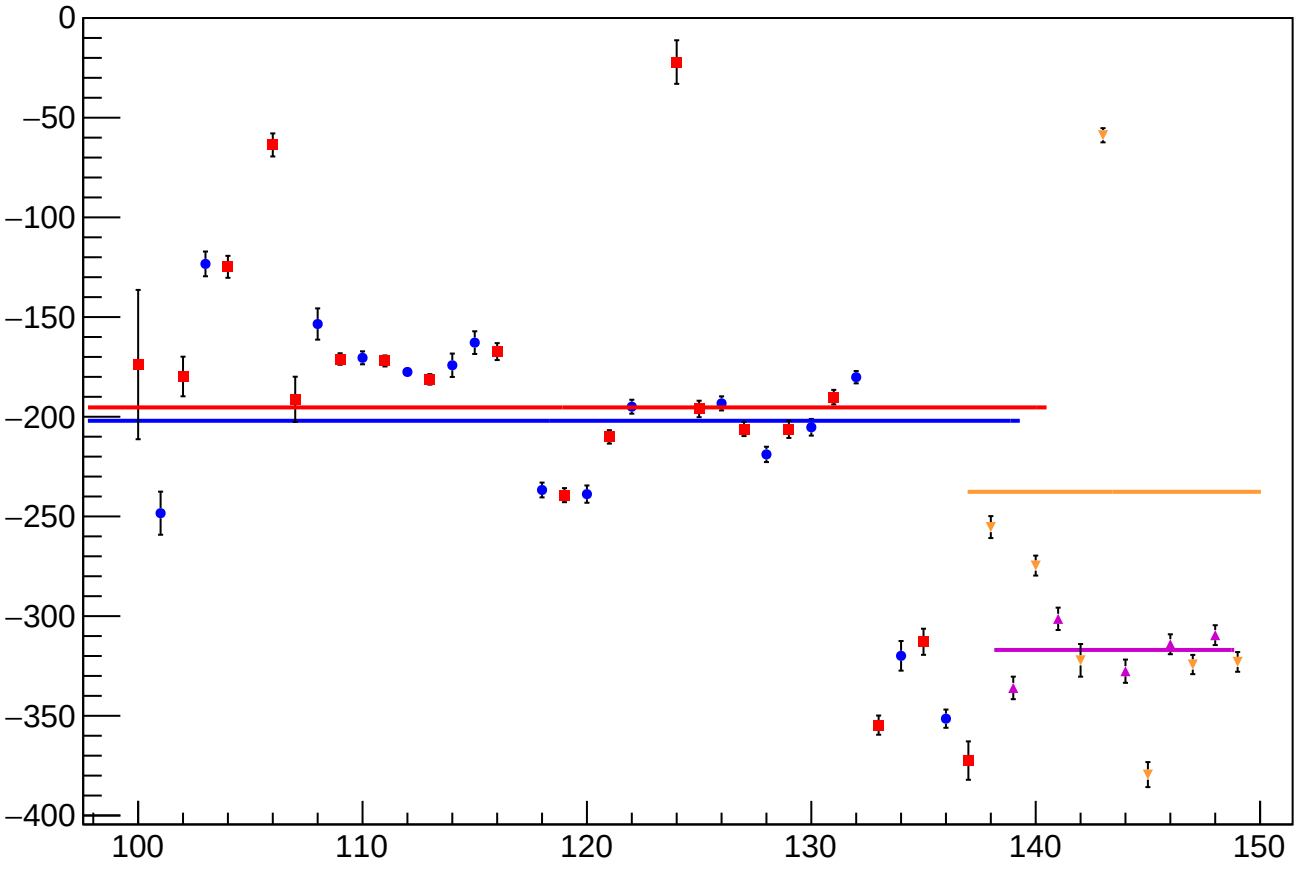
Left: 119.681+/-0.050 χ^2/NDF: 26983.1/11

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 122.233+/-0.057 χ^2/NDF:193655.8/20

Out: 108.699+/-0.051 χ^2/NDF:712133.2/25

All: 114.788+/-0.038 χ^2/NDF: 937200.6/46



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -237.649+/-1.904 χ^2/NDF:3827.9/6

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -316.969+/-2.404 χ^2/NDF:25.0/4

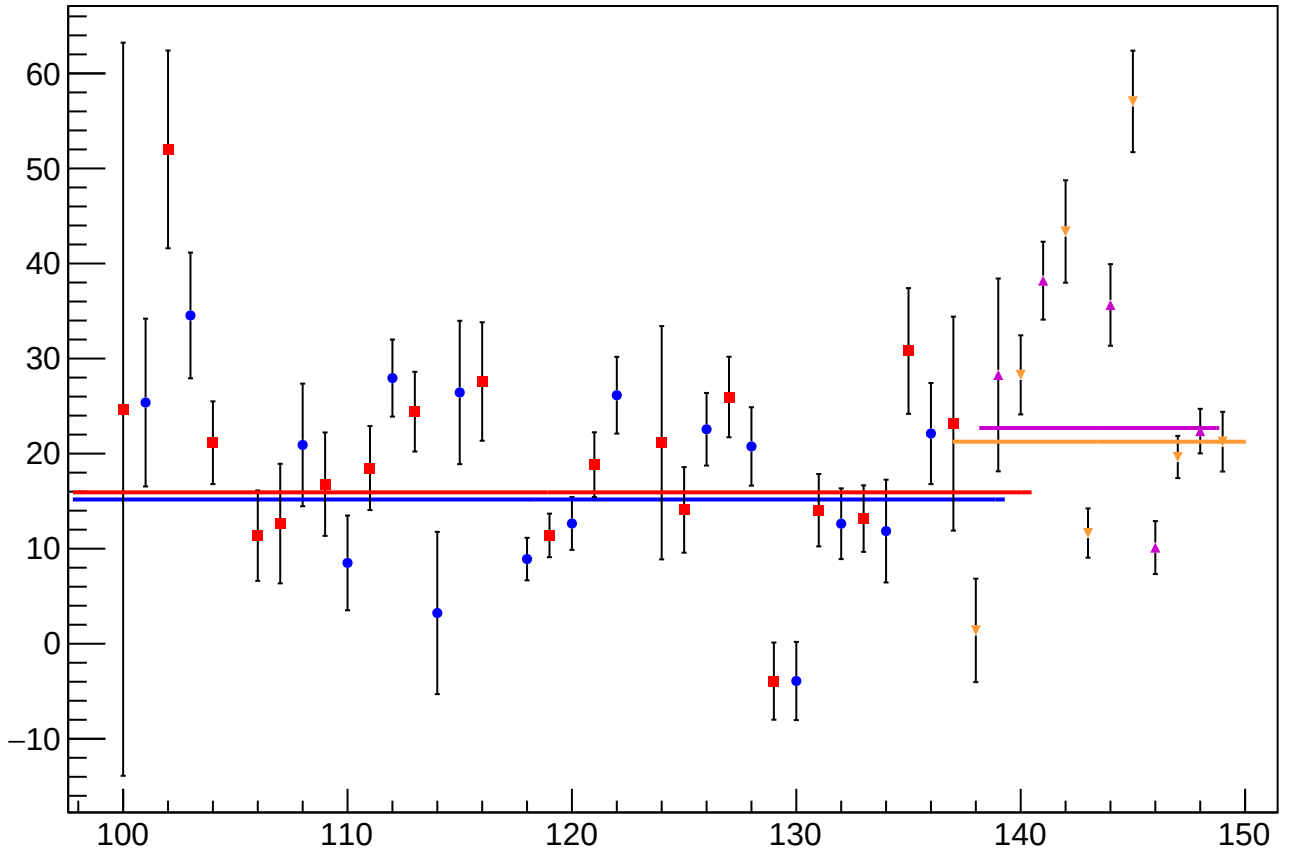
Left: -268.223+/-1.492 χ^2/NDF: 4522.0/11

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -219.677+/-0.942 χ^2/NDF:4000.8/20

Out: -204.095+/-0.867 χ^2/NDF:7320.5/25

All: -211.241+/-0.638 χ^2/NDF: 11469.4/46



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 21.252+/-1.276 χ^2/NDF:92.3/6

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: 21.849+/-0.977 χ^2/NDF: 136.9/11

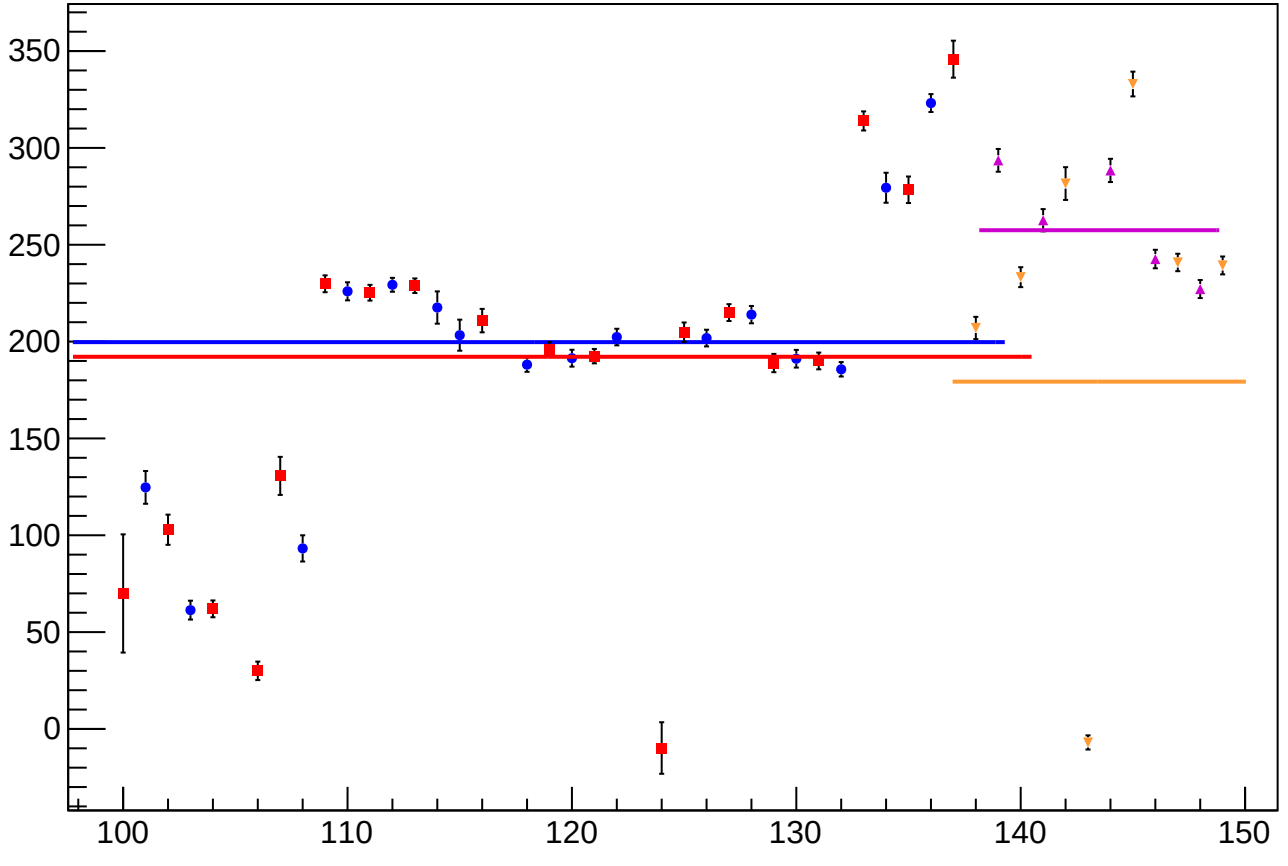
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 17.602+/-0.862 χ^2/NDF:133.1/20

Out: 18.043+/-0.805 χ^2/NDF:166.3/25

All: 17.838+/-0.588 χ^2/NDF: 299.5/46

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: 179.327+/-1.899 χ^2/NDF:3802.9/6

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 257.501+/-2.379 χ^2/NDF:117.0/4

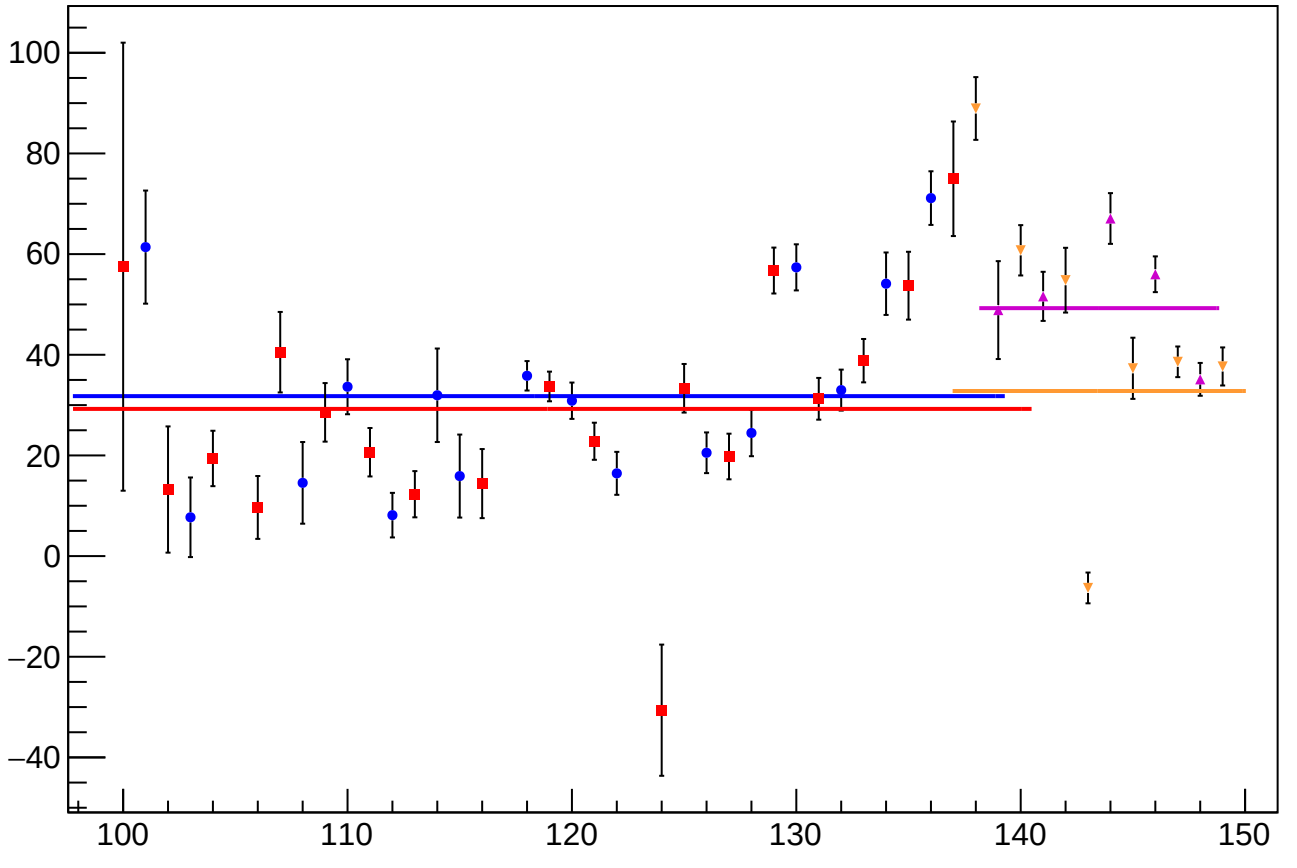
Left: 209.759+/-1.484 χ^2/NDF: 4579.6/11

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 211.378+/-1.068 χ^2/NDF:2689.7/20

Out: 188.712+/-0.984 χ^2/NDF:7613.4/25

All: 199.115+/-0.724 χ^2/NDF: 10546.6/46



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 32.802+/-1.578 χ^2/NDF:293.6/6

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 49.263+/-1.942 χ^2/NDF:35.1/4

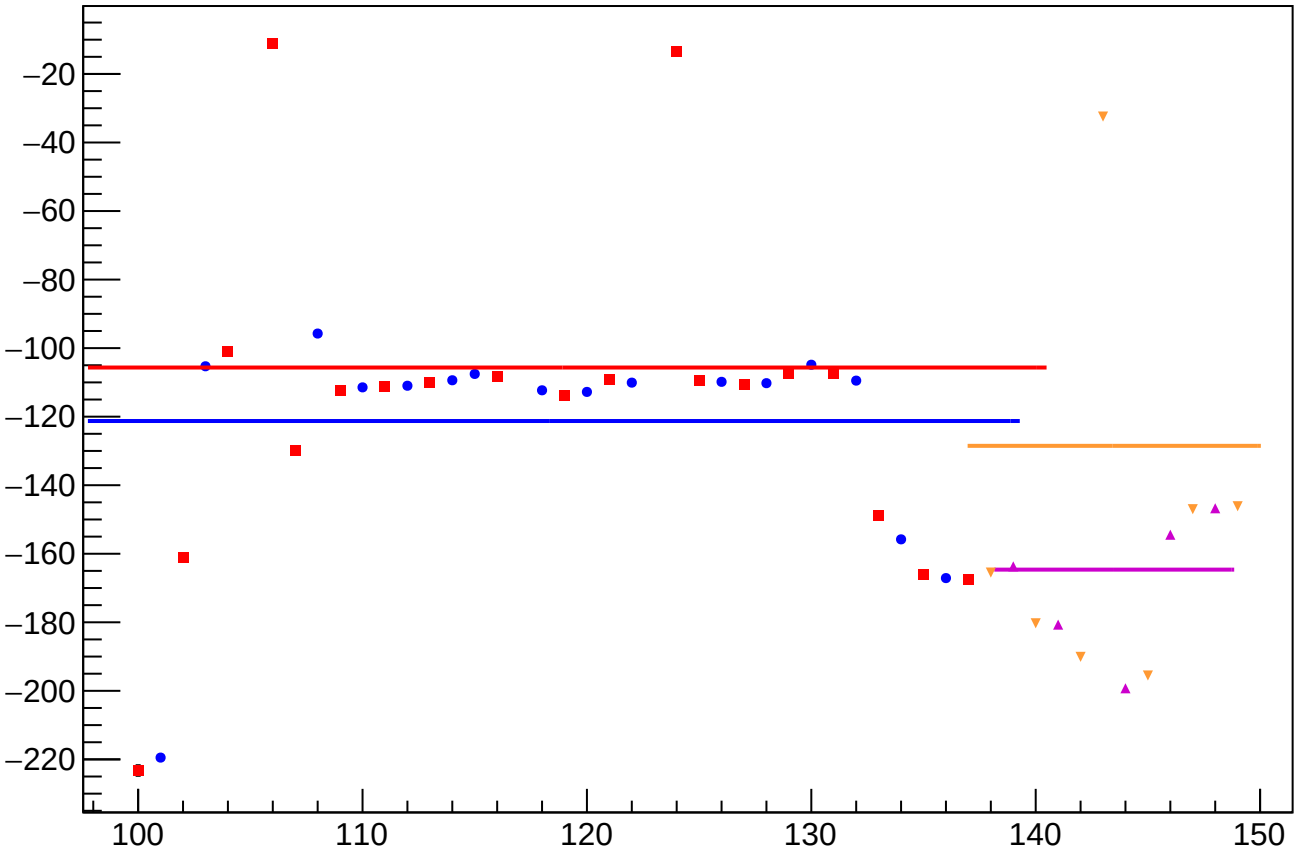
Left: 39.348+/-1.225 χ^2/NDF: 371.9/11

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 36.709+/-1.031 χ^2/NDF:270.3/20

Out: 30.544+/-0.953 χ^2/NDF:437.7/25

All: 33.386+/-0.700 χ^2/NDF: 727.2/46



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -128.511+/-0.080 χ^2/NDF:594509.5/6

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -164.632+/-0.097 χ^2/NDF:32653.6/4

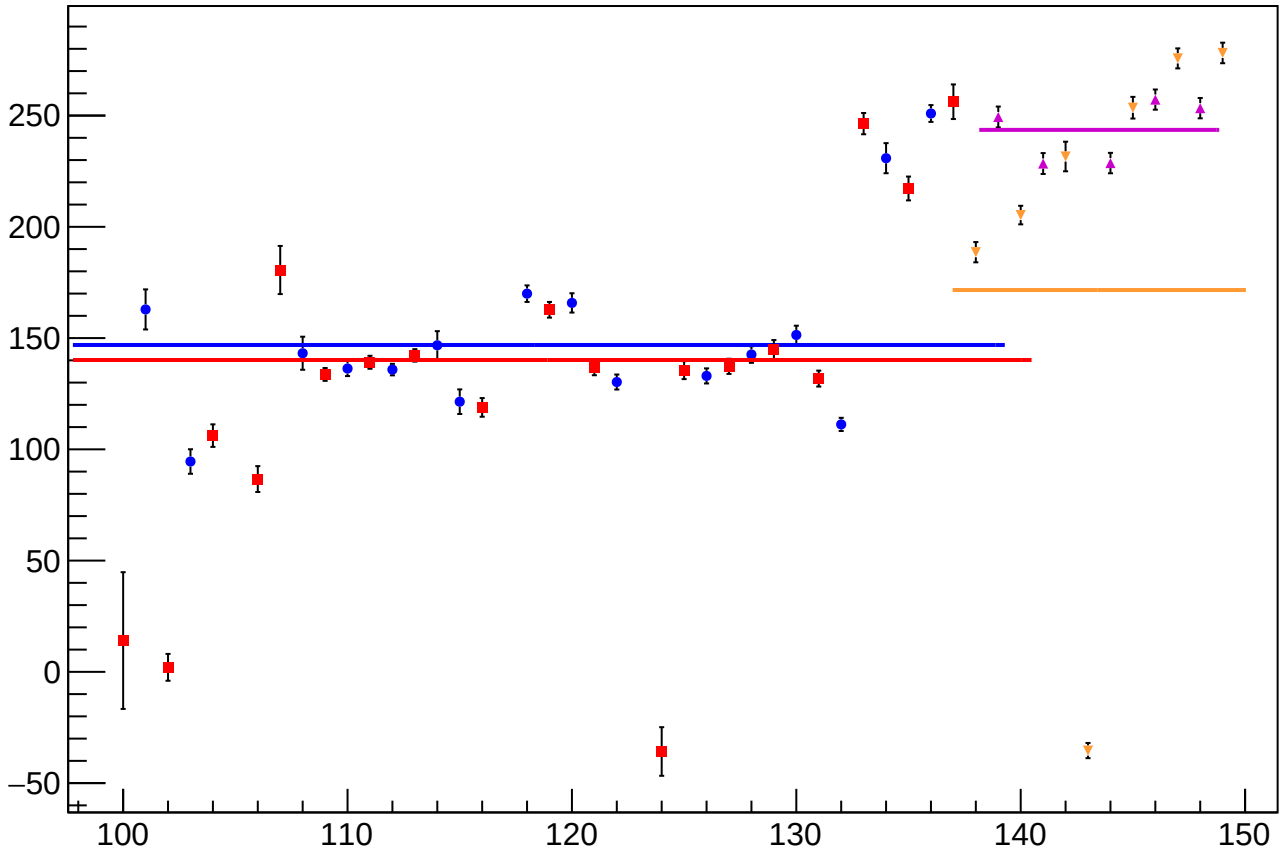
Left: -143.127+/-0.062 χ^2/NDF: 709733.9/11

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -138.621+/-0.061 χ^2/NDF:271950.7/20

Out: -116.310+/-0.055 χ^2/NDF:993209.7/25

All: -126.167+/-0.041 χ^2/NDF: 1338969.8/46



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 171.596+/-1.685 χ^2/NDF:5176.0/6

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: 200.385+/-1.305 χ^2/NDF: 5942.0/11

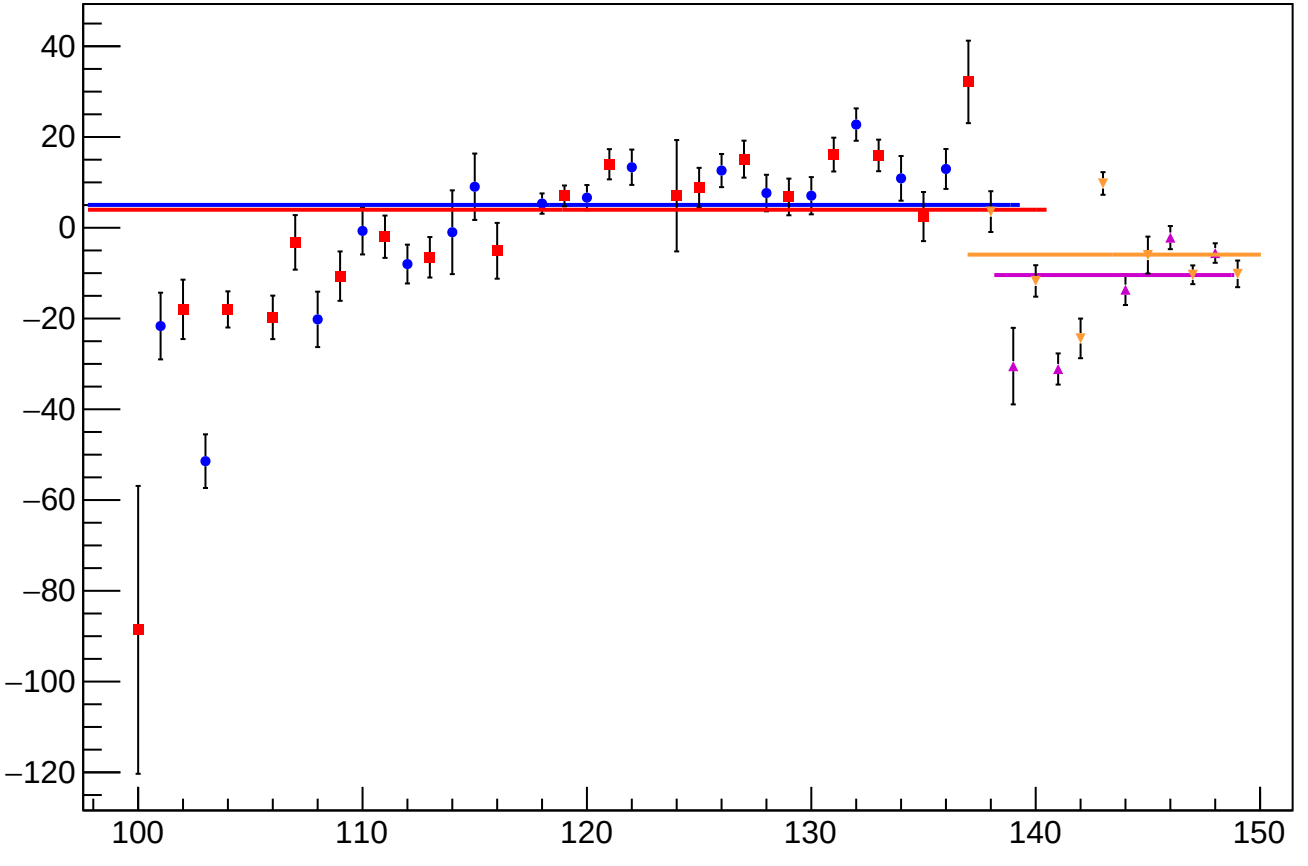
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 165.388+/-0.902 χ^2/NDF:3113.0/20

Out: 147.860+/-0.834 χ^2/NDF:7389.5/25

All: 155.937+/-0.612 χ^2/NDF: 10706.0/46

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -5.914+/-1.150 χ^2/NDF:71.3/6

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: -7.823+/-0.873 χ^2/NDF: 136.3/11

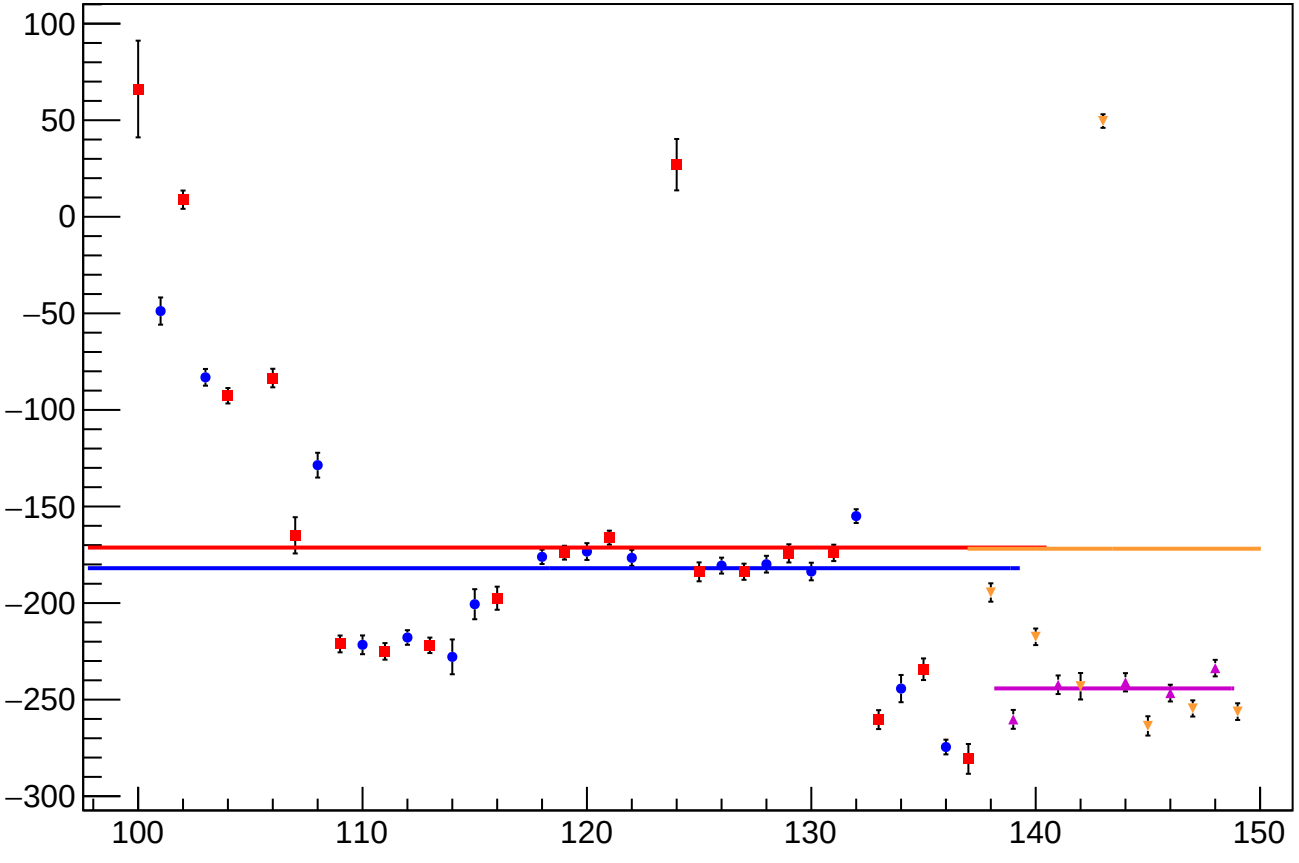
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.633+/-0.812 χ^2/NDF:314.4/20

Out: -0.343+/-0.760 χ^2/NDF:257.9/25

All: -0.478+/-0.555 χ^2/NDF: 572.4/46

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: -171.858+/-1.687 χ^2/NDF:5316.9/6

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: -201.032+/-1.303 χ^2/NDF: 6076.2/11

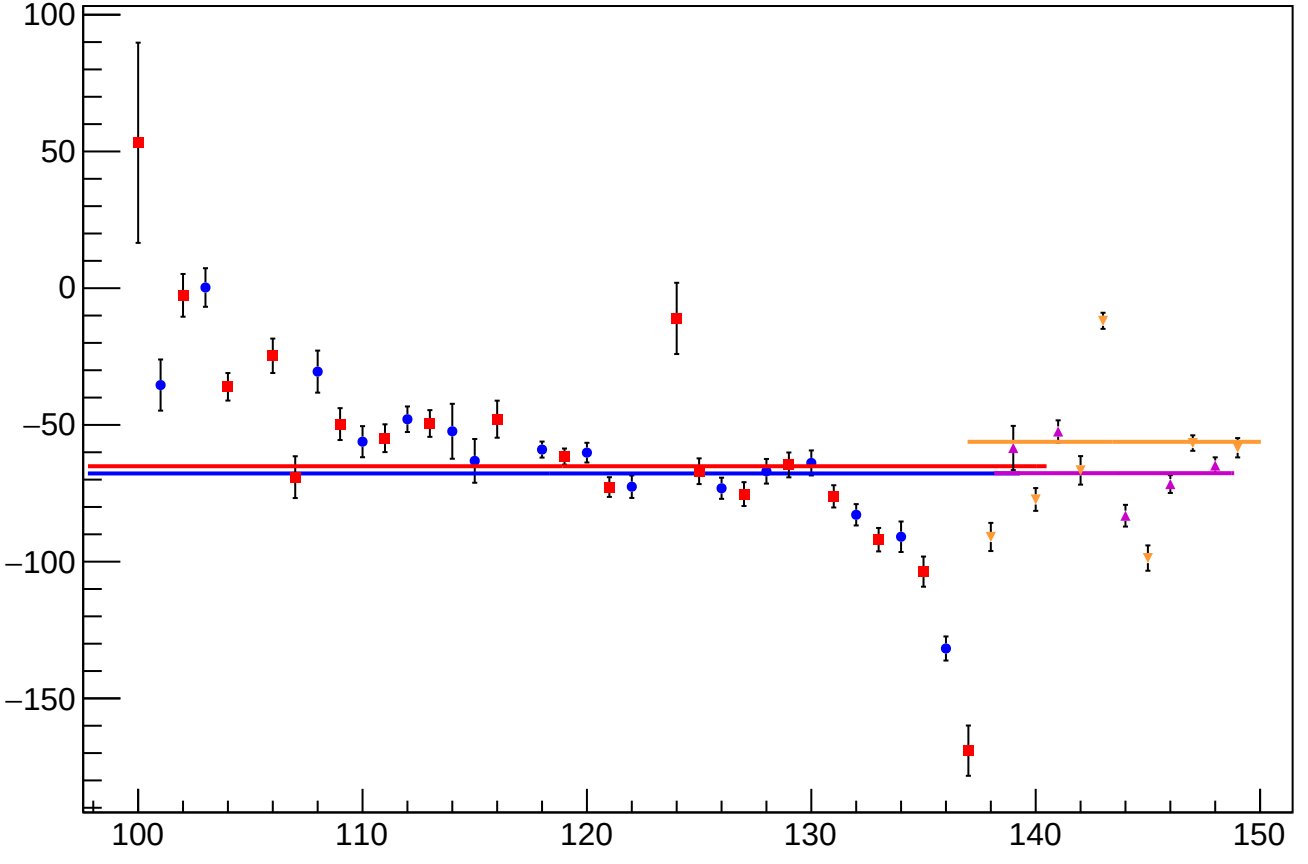
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -196.904+/-1.006 χ^2/NDF:2587.3/20

Out: -171.442+/-0.928 χ^2/NDF:8945.2/25

All: -183.149+/-0.682 χ^2/NDF: 11878.7/46

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -56.178+/-1.416 χ^2/NDF:386.5/6

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -67.642+/-1.702 χ^2/NDF:32.9/4

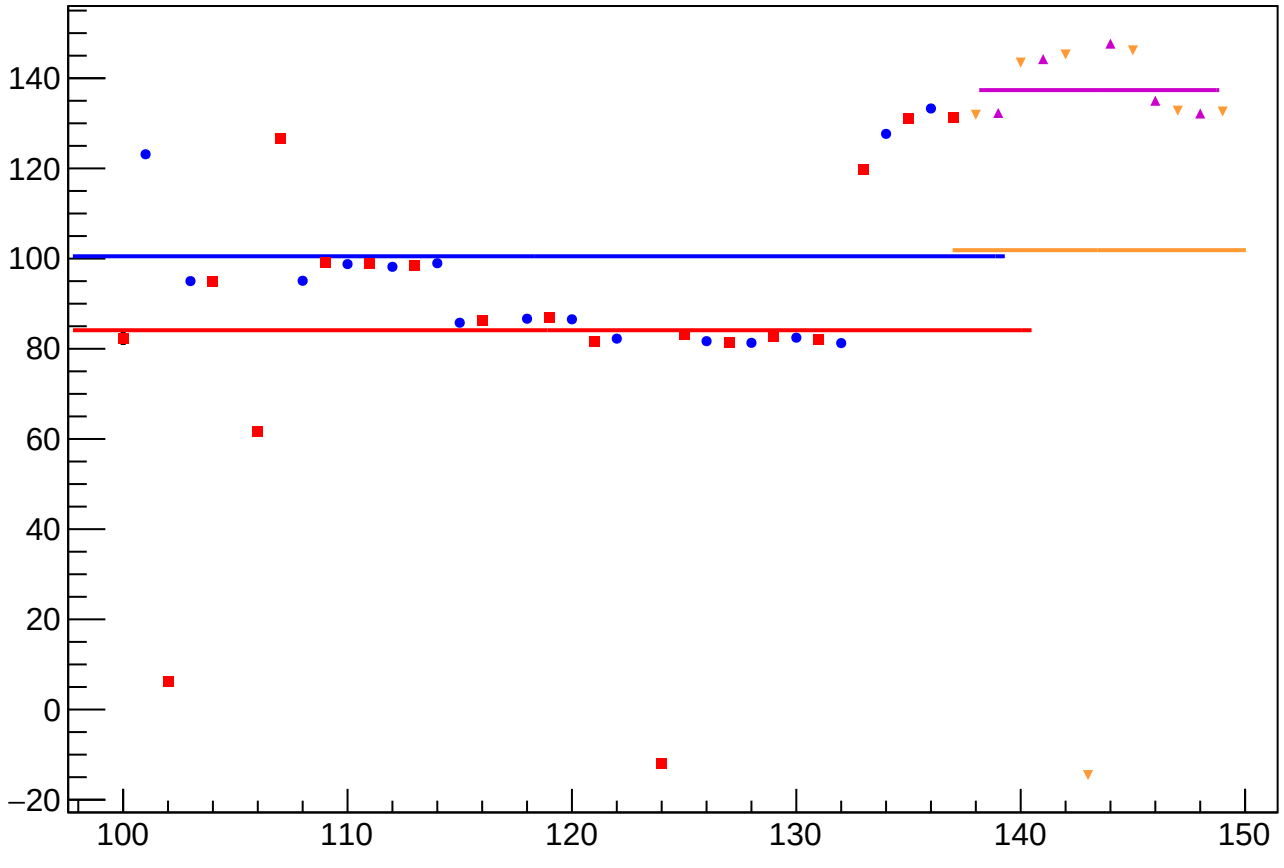
Left: -60.866+/-1.089 χ^2/NDF: 446.2/11

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -67.712+/-0.970 χ^2/NDF:447.0/20

Out: -61.495+/-0.900 χ^2/NDF:839.2/25

All: -64.371+/-0.660 χ^2/NDF: 1308.2/46



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 101.870+/-0.071 χ^2/NDF:838195.7/6

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: 116.709+/-0.054 χ^2/NDF: 948512.4/11

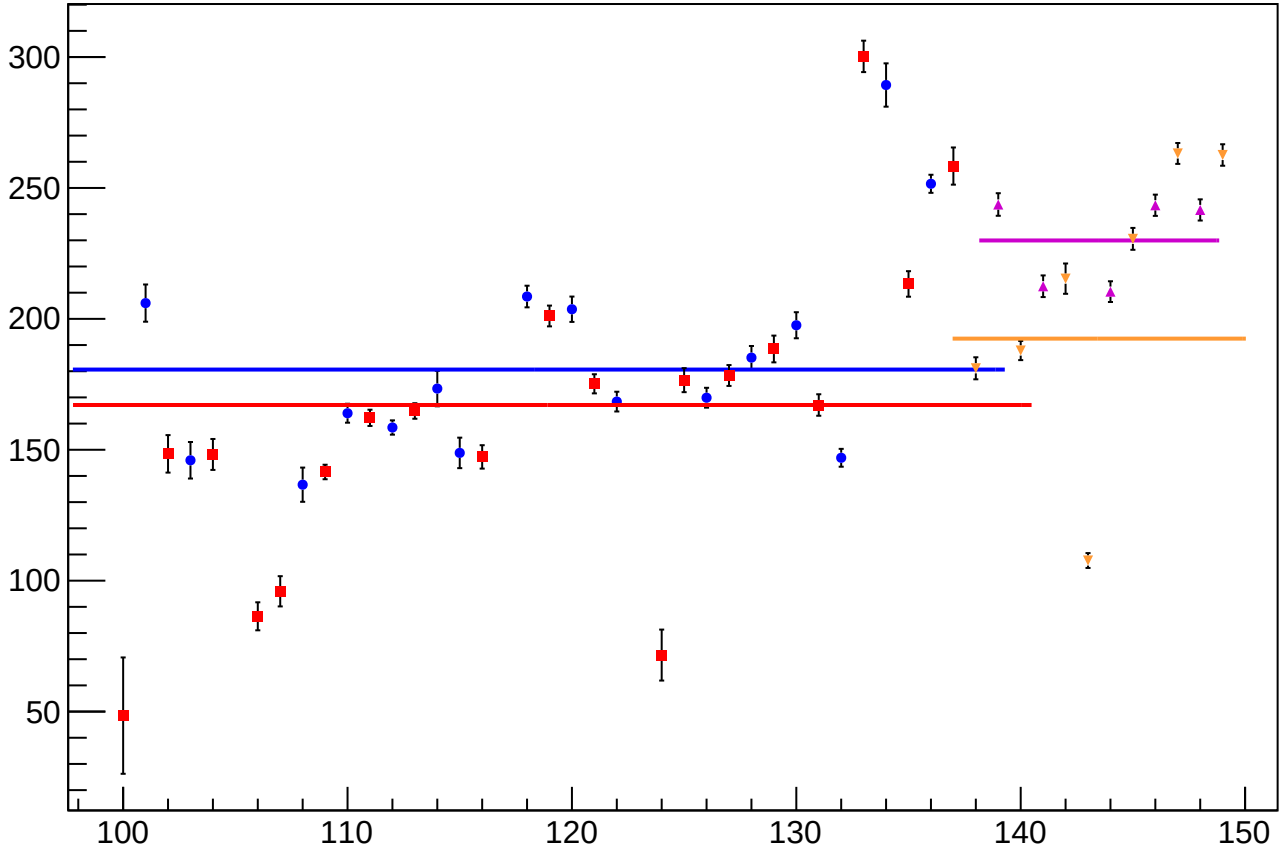
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 116.689+/-0.055 χ^2/NDF:181883.3/20

Out: 92.781+/-0.050 χ^2/NDF:1134103.1/25

All: 103.397+/-0.037 χ^2/NDF: 1419499.9/46

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 192.452+/-1.468 χ^2/NDF:1603.5/6

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: 207.111+/-1.146 χ^2/NDF: 1930.2/11

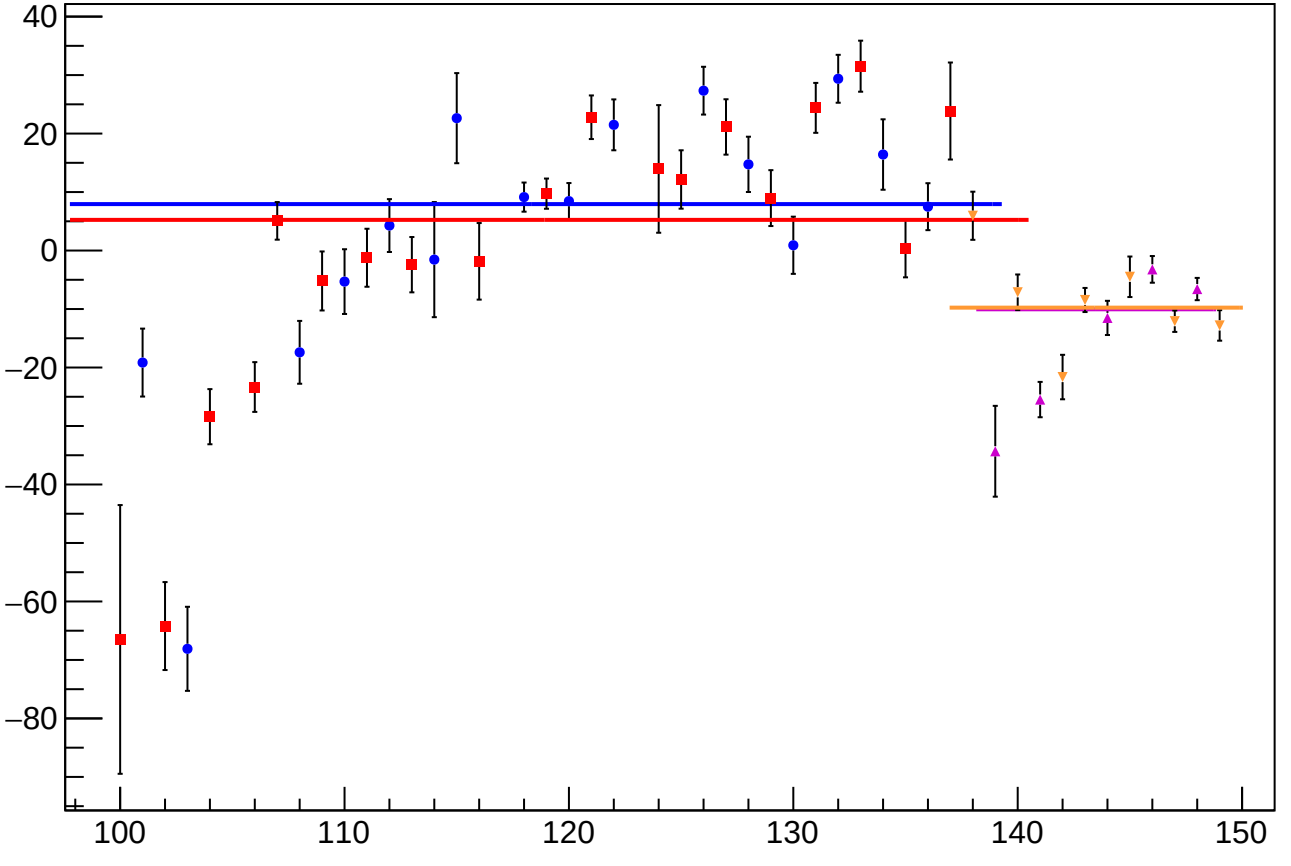
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 193.519+/-0.937 χ^2/NDF:1600.2/20

Out: 175.365+/-0.838 χ^2/NDF:3289.1/25

All: 183.438+/-0.625 χ^2/NDF: 5098.0/46

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: -9.763+/-1.000 χ^2/NDF:30.8/6

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

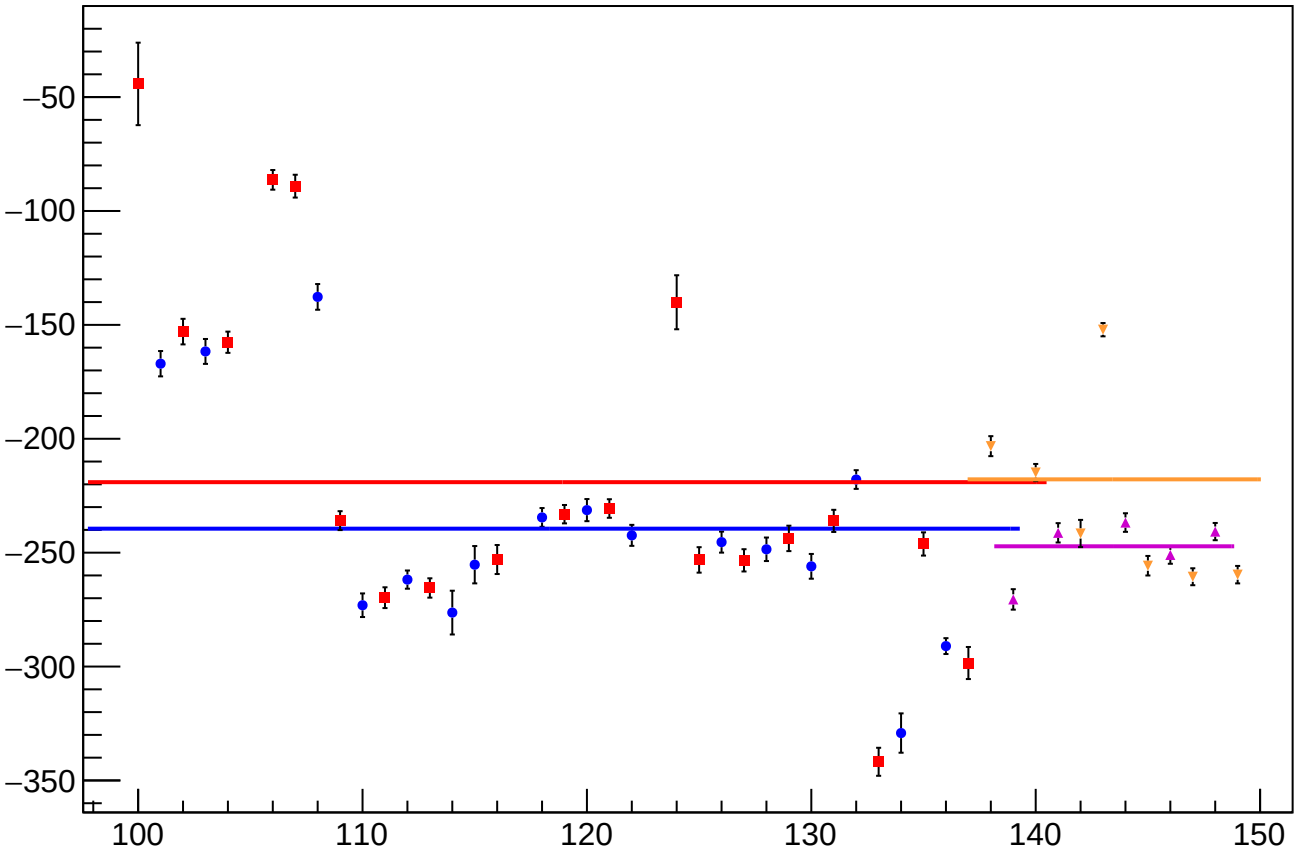
Left: -9.880+/-0.765 χ^2/NDF: 79.2/11

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.483+/-0.812 χ^2/NDF:403.6/20

Out: -2.711+/-0.728 χ^2/NDF:439.5/25

All: -1.717+/-0.542 χ^2/NDF: 847.3/46



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -217.814+/-1.471 χ^2/NDF:862.2/6

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.206+/-1.822 χ^2/NDF:39.3/4

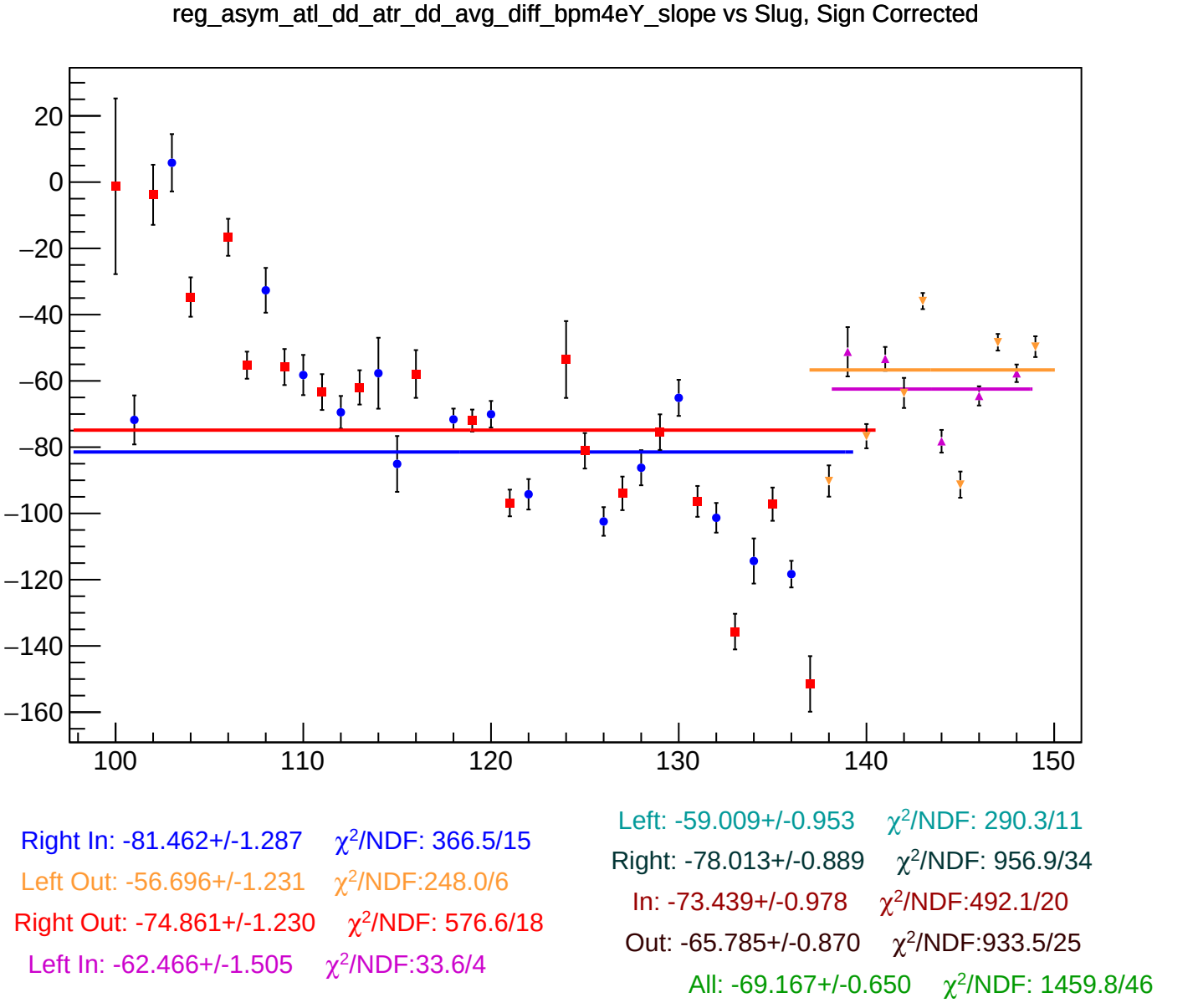
Left: -229.416+/-1.145 χ^2/NDF: 1059.0/11

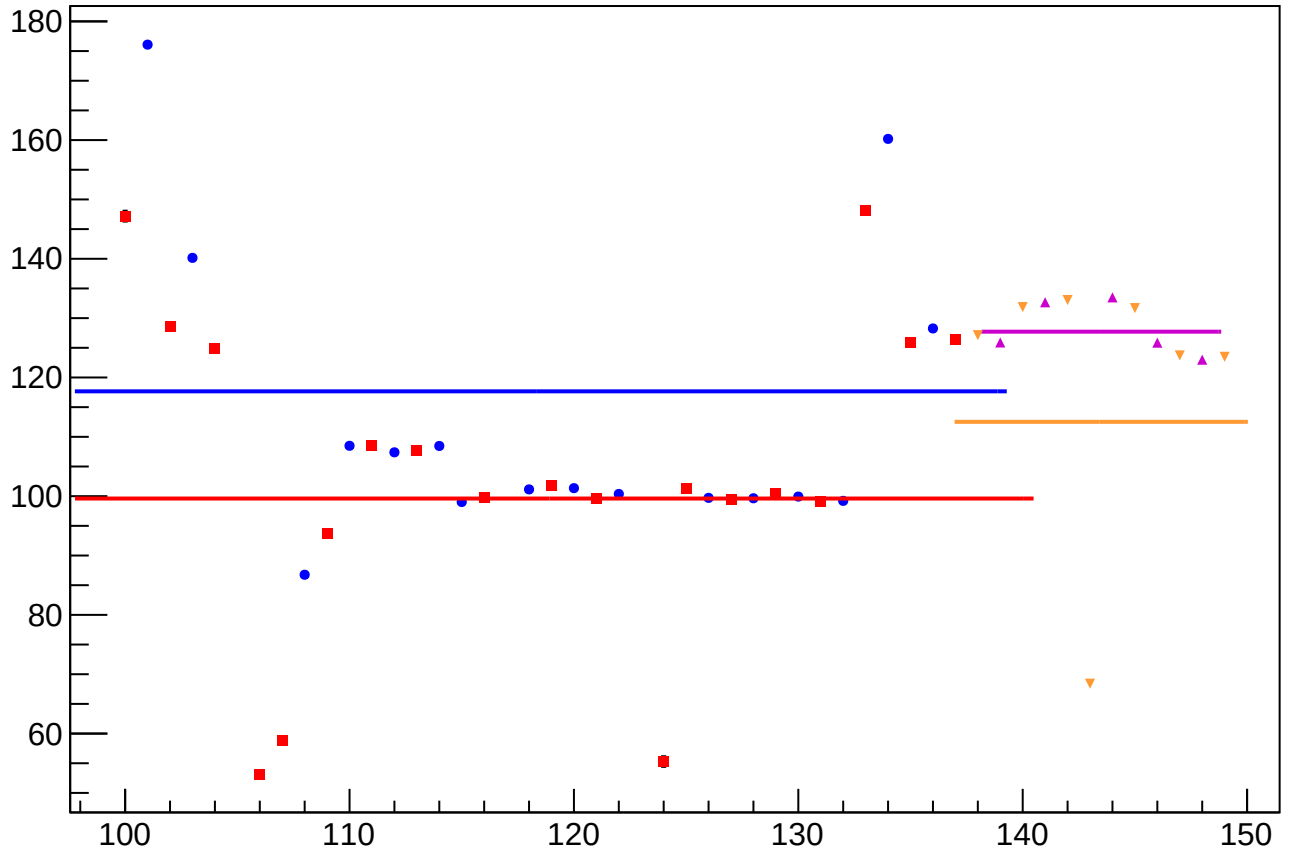
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

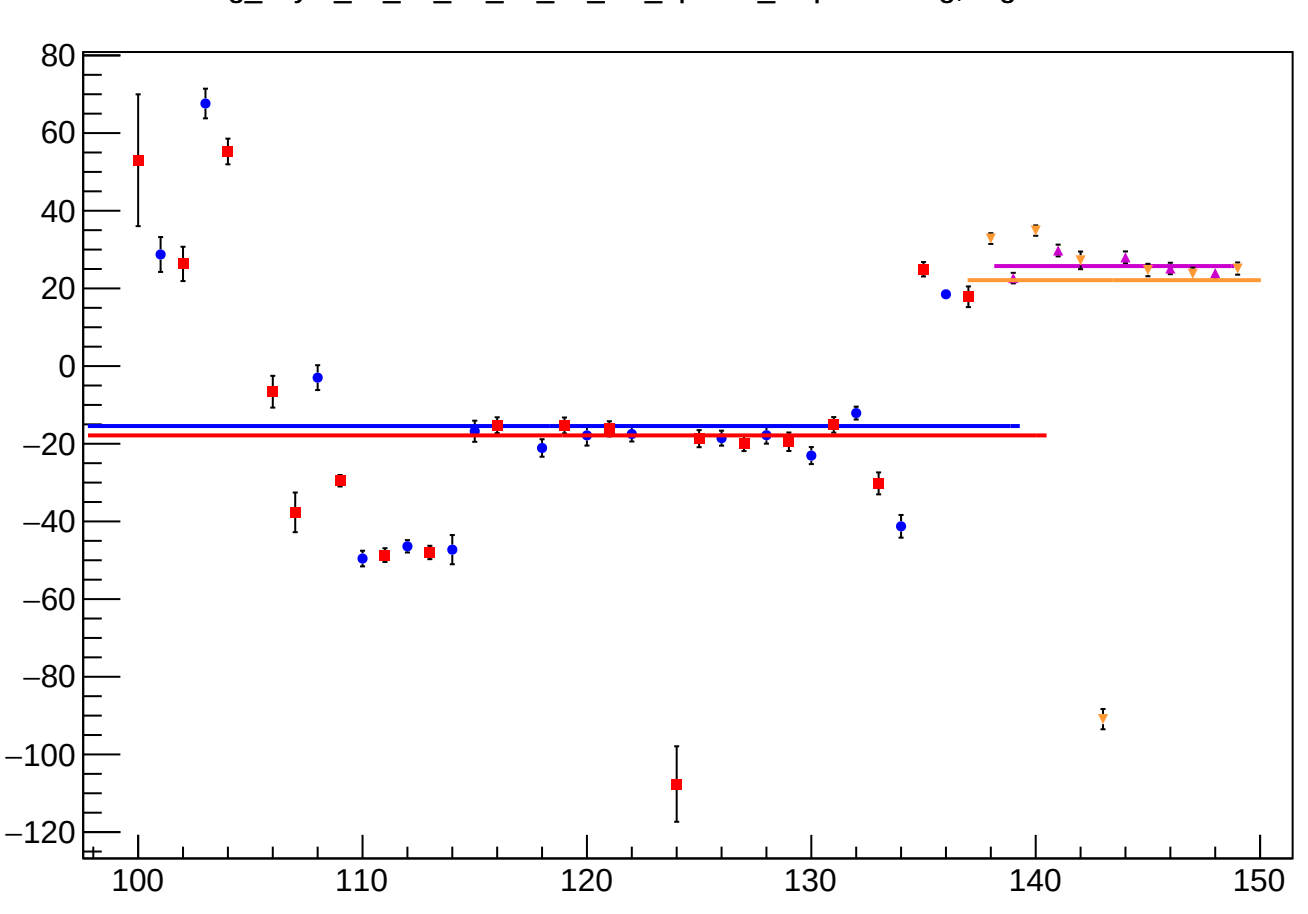
In: -241.933+/-1.028 χ^2/NDF:1213.8/20

Out: -218.570+/-0.919 χ^2/NDF:3911.9/25

All: -228.943+/-0.685 χ^2/NDF: 5412.8/46


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -56.696+/-1.231 χ²/NDF:248.0/6
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -62.466+/-1.505 χ²/NDF:33.6/4
Left: -59.009+/-0.953 χ²/NDF: 290.3/11
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -73.439+/-0.978 χ²/NDF:492.1/20
Out: -65.785+/-0.870 χ²/NDF:933.5/25
All: -69.167+/-0.650 χ²/NDF: 1459.8/46


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
180
160
140
120
100
80
60
100
110
120
130
140
150
Right In: 117.666+/-0.078 χ²/NDF: 95397.2/15
Left Out: 112.528+/-0.062 χ²/NDF:180547.0/6
Right Out: 99.604+/-0.070 χ²/NDF: 166236.0/18
Left In: 127.719+/-0.074 χ²/NDF:3015.1/4
Left: 118.732+/-0.048 χ²/NDF: 208174.3/11
Right: 107.671+/-0.052 χ²/NDF: 291112.6/34
In: 122.941+/-0.054 χ²/NDF:107071.6/20
Out: 106.886+/-0.046 χ²/NDF:365822.3/25
All: 113.721+/-0.035 χ²/NDF: 523754.3/46



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.125+/-0.618 χ^2/NDF:2034.9/6

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.754+/-0.663 χ^2/NDF:15.9/4

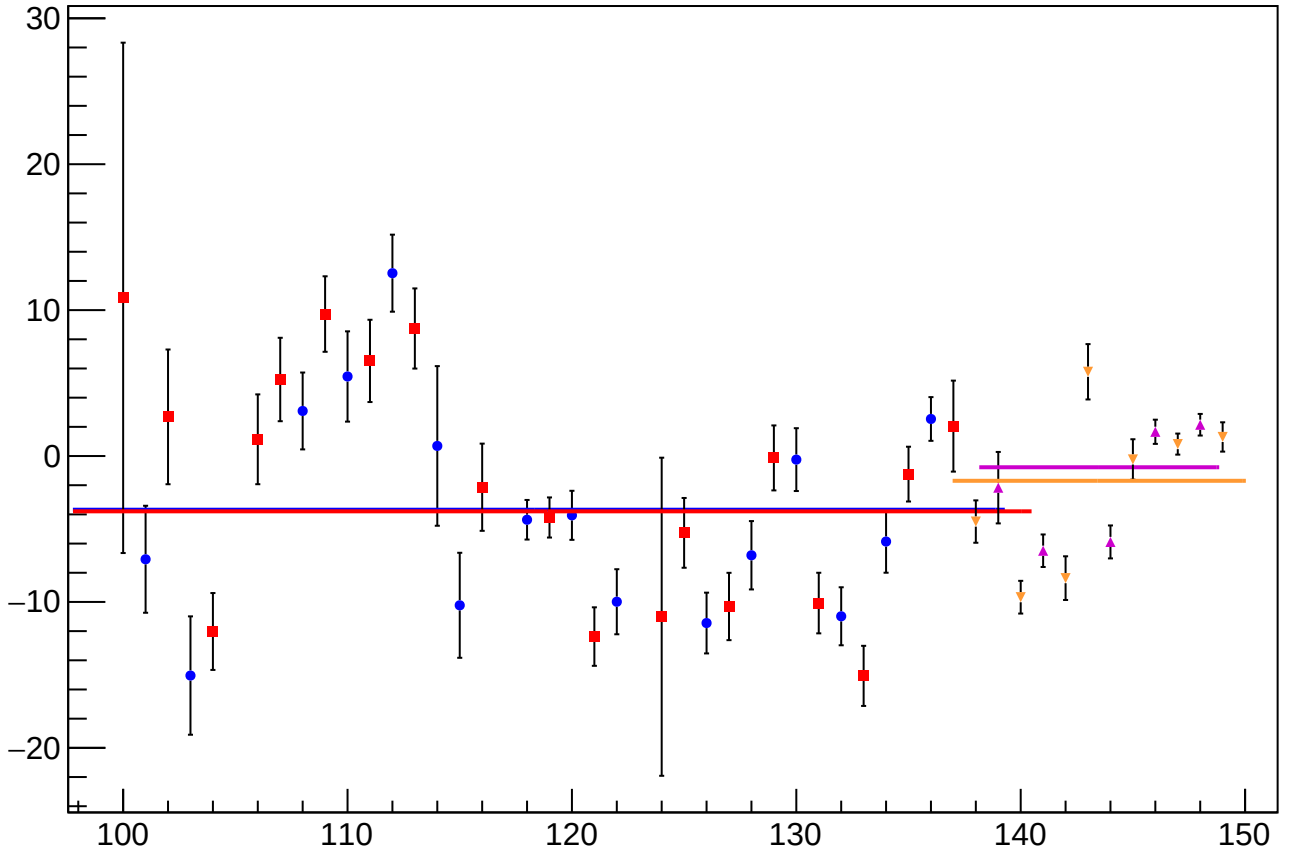
Left: 23.813+/-0.452 χ^2/NDF: 2066.8/11

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 0.957+/-0.418 χ^2/NDF:4464.3/20

Out: -0.927+/-0.402 χ^2/NDF:6571.4/25

All: -0.022+/-0.290 χ^2/NDF: 11046.3/46



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.697+/-0.429 χ^2/NDF:111.9/6

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: -1.251+/-0.309 χ^2/NDF: 185.4/11

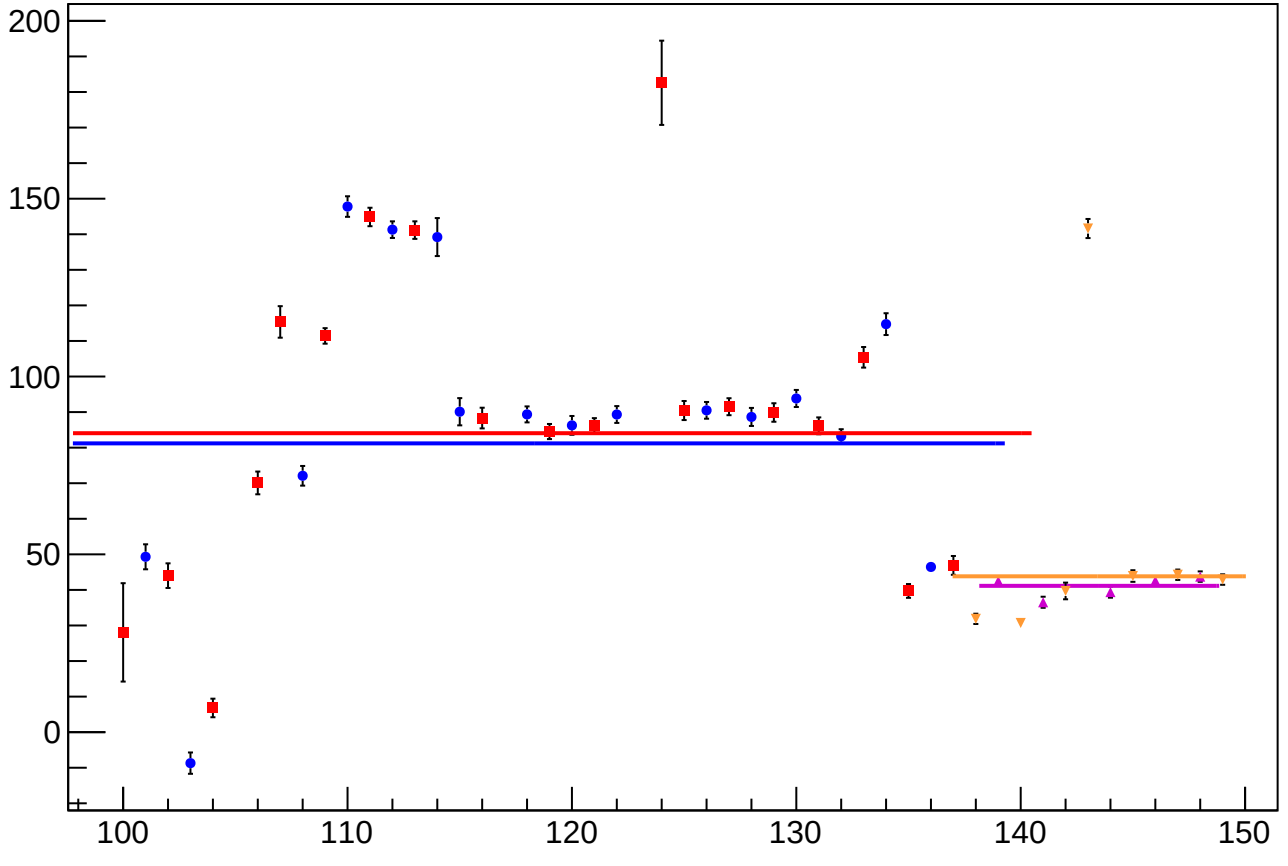
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.918+/-0.347 χ^2/NDF:212.1/20

Out: -2.465+/-0.342 χ^2/NDF:281.9/25

All: -2.196+/-0.243 χ^2/NDF: 495.2/46

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.824+/-0.617 χ^2/NDF:1487.3/6

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

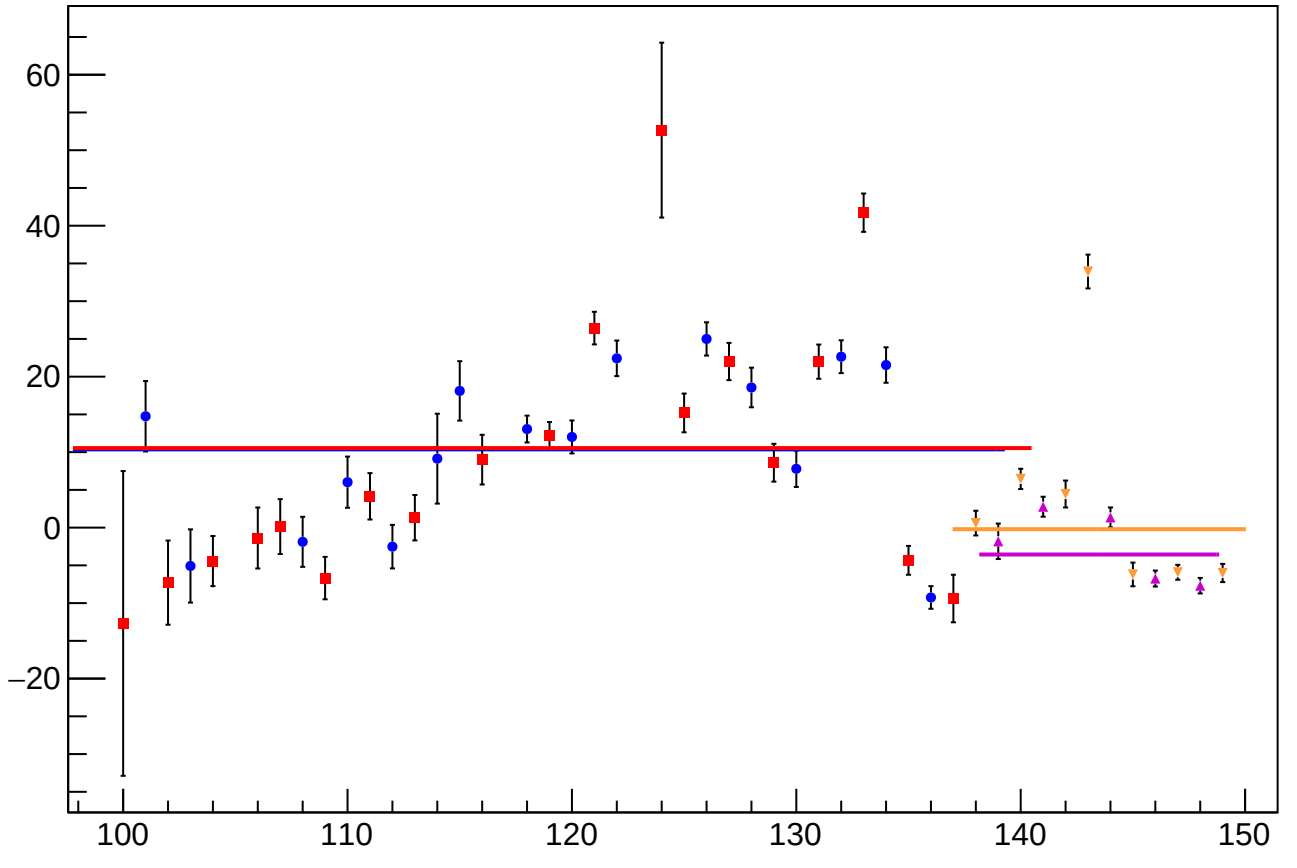
Left: 42.579+/-0.451 χ^2/NDF: 1511.2/11

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 62.891+/-0.447 χ^2/NDF:5236.2/20

Out: 63.956+/-0.436 χ^2/NDF:6824.4/25

All: 63.437+/-0.312 χ^2/NDF: 12063.5/46



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -0.207+/-0.530 χ^2/NDF:334.8/6

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.560+/-0.562 χ^2/NDF:62.5/4

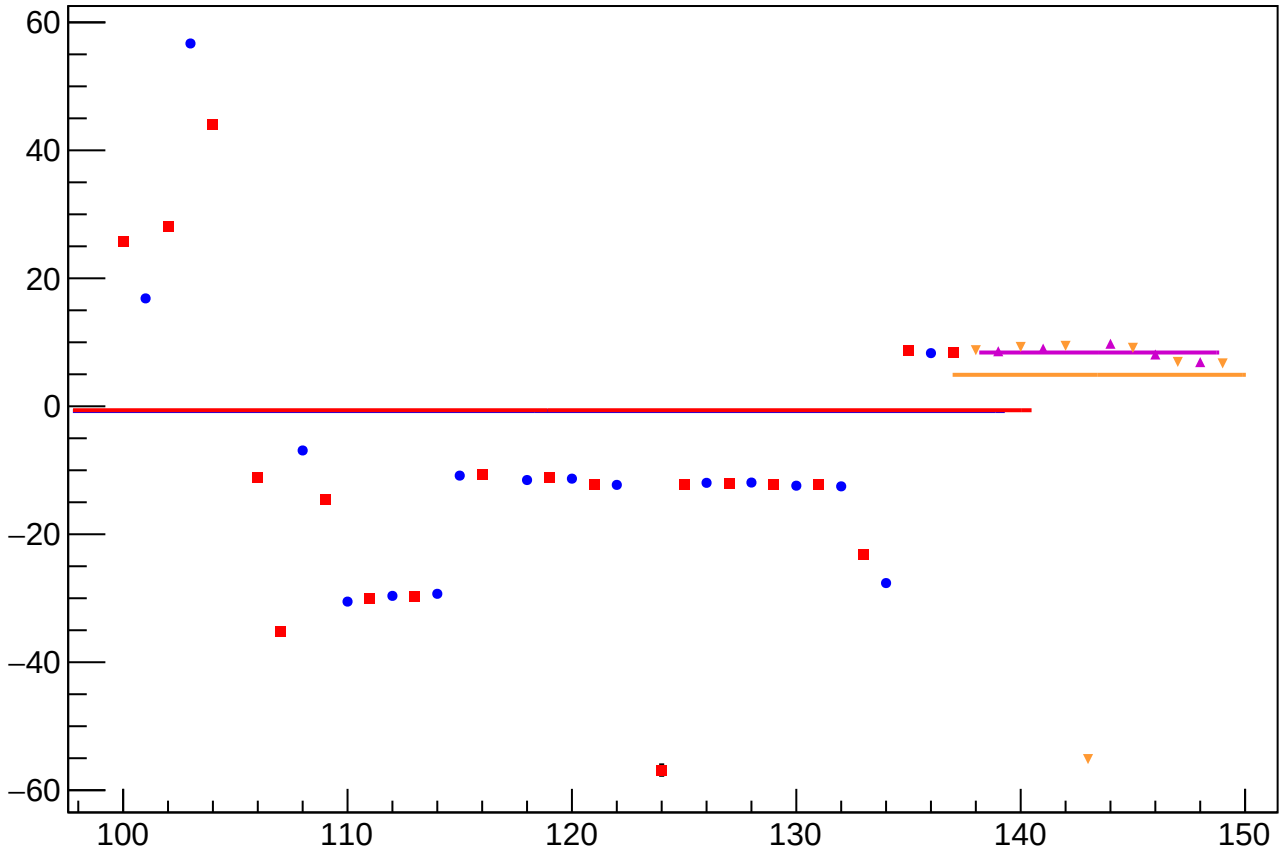
Left: -1.785+/-0.386 χ^2/NDF: 416.1/11

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.652+/-0.418 χ^2/NDF:696.0/20

Out: 4.163+/-0.408 χ^2/NDF:972.7/25

All: 3.426+/-0.292 χ^2/NDF: 1675.4/46



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.919+/-0.026 χ^2/NDF:306746.6/6

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: 6.597+/-0.019 χ^2/NDF: 316708.7/11

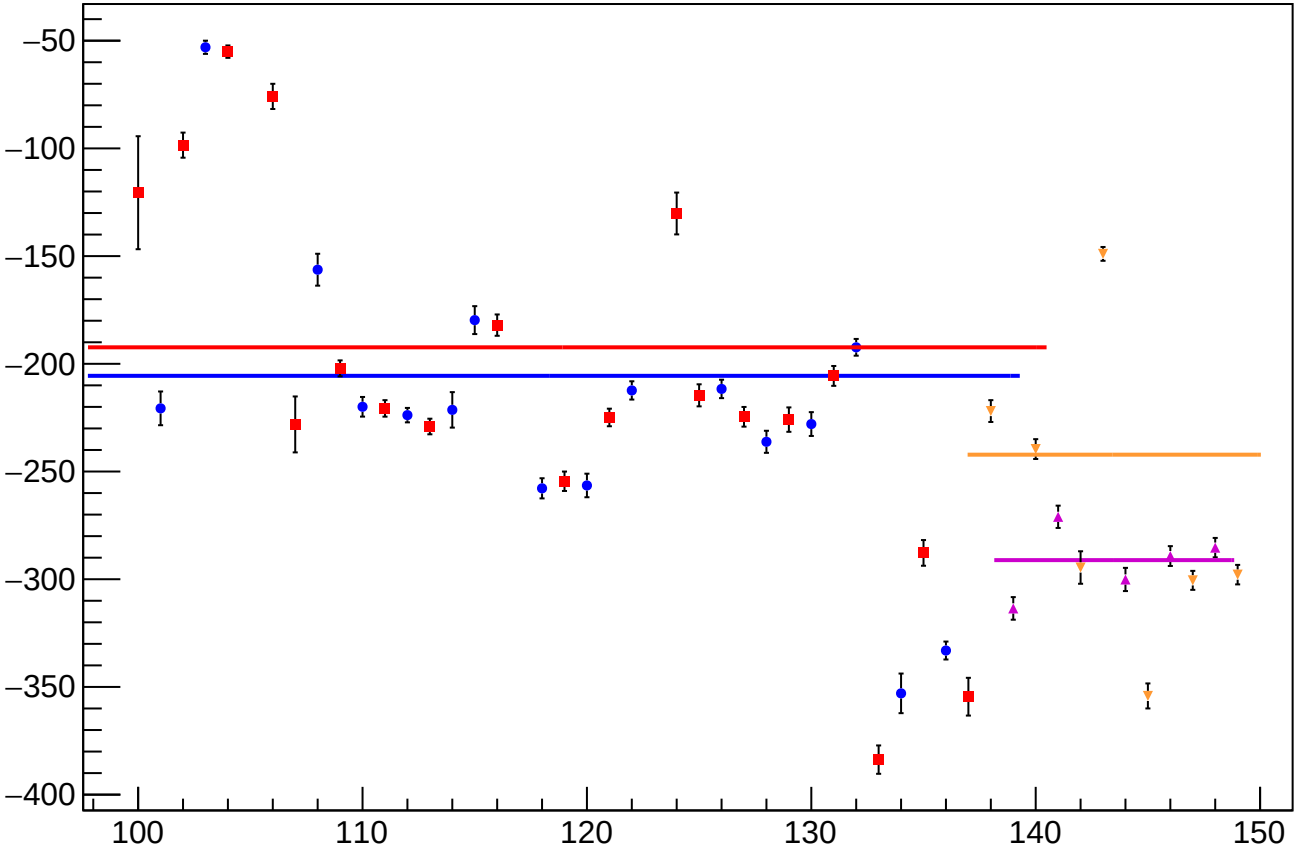
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.138+/-0.021 χ^2/NDF:410955.3/20

Out: 3.133+/-0.021 χ^2/NDF:638142.1/25

All: 4.124+/-0.015 χ^2/NDF: 1053519.1/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -242.179+/-1.738 χ^2/NDF:1607.6/6

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: -260.884+/-1.367 χ^2/NDF: 1948.5/11

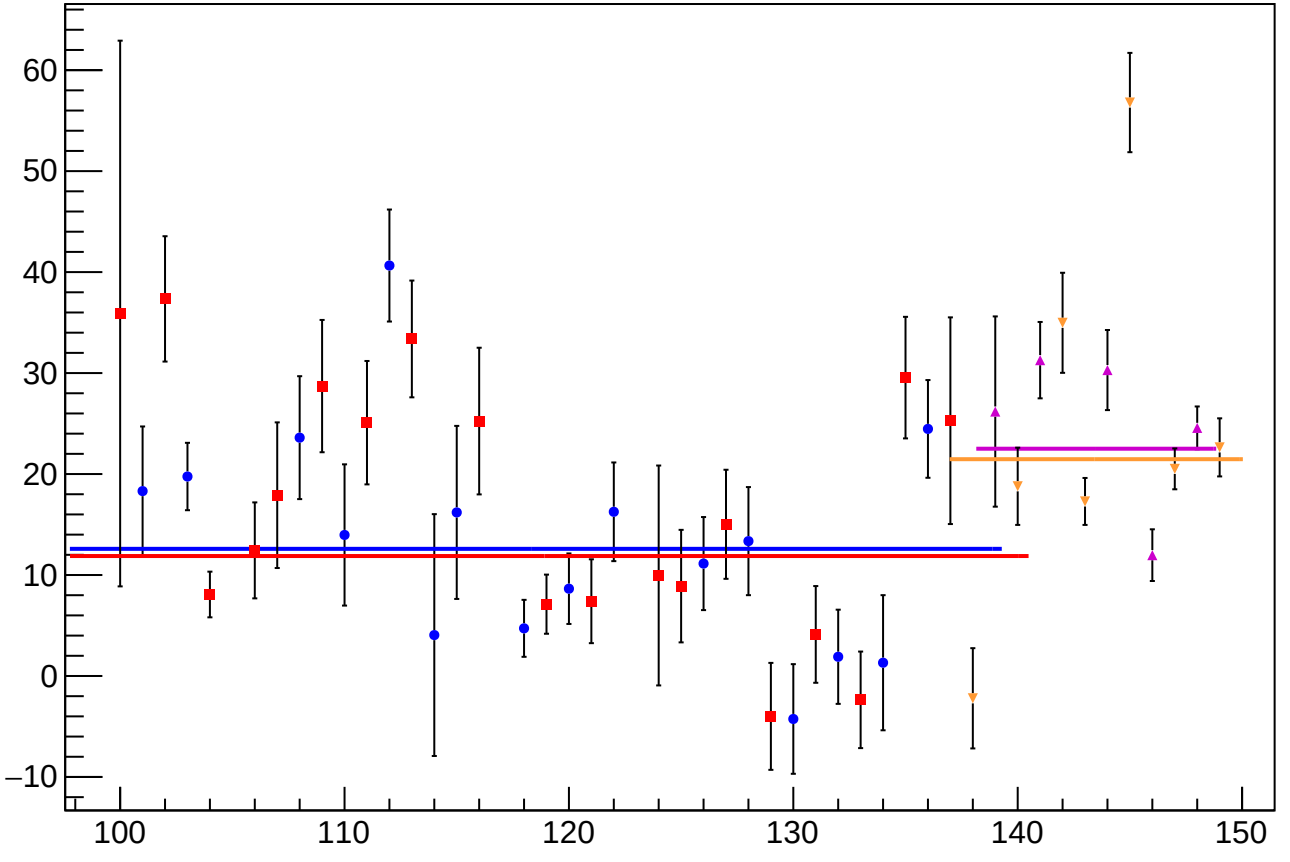
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -224.666+/-1.044 χ^2/NDF:5257.5/20

Out: -207.008+/-0.943 χ^2/NDF:7157.4/25

All: -214.940+/-0.700 χ^2/NDF: 12572.4/46

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: 21.471+/-1.161 χ^2/NDF:85.9/6

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 22.509+/-1.387 χ^2/NDF:27.3/4

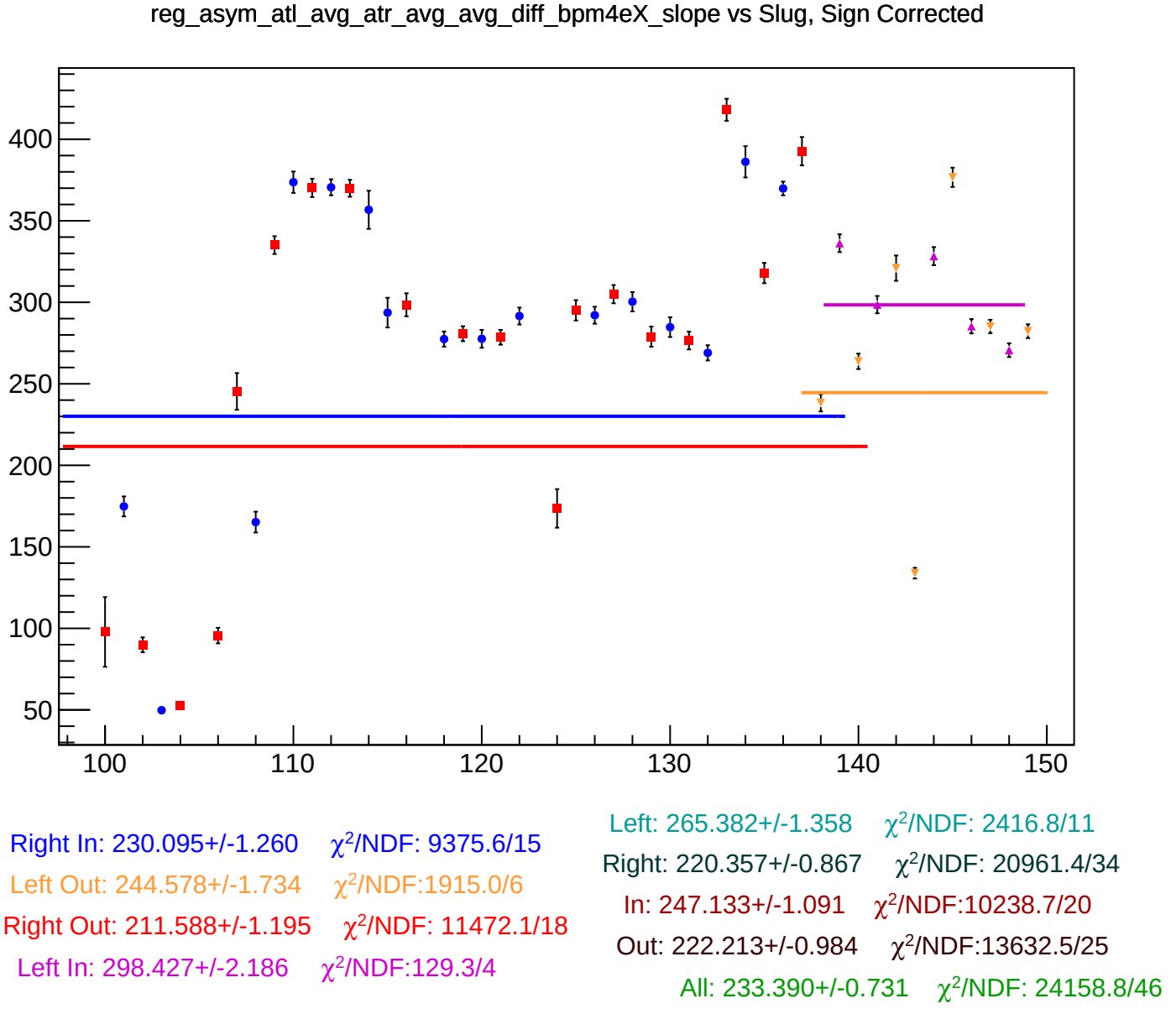
Left: 21.898+/-0.891 χ^2/NDF: 113.5/11

Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

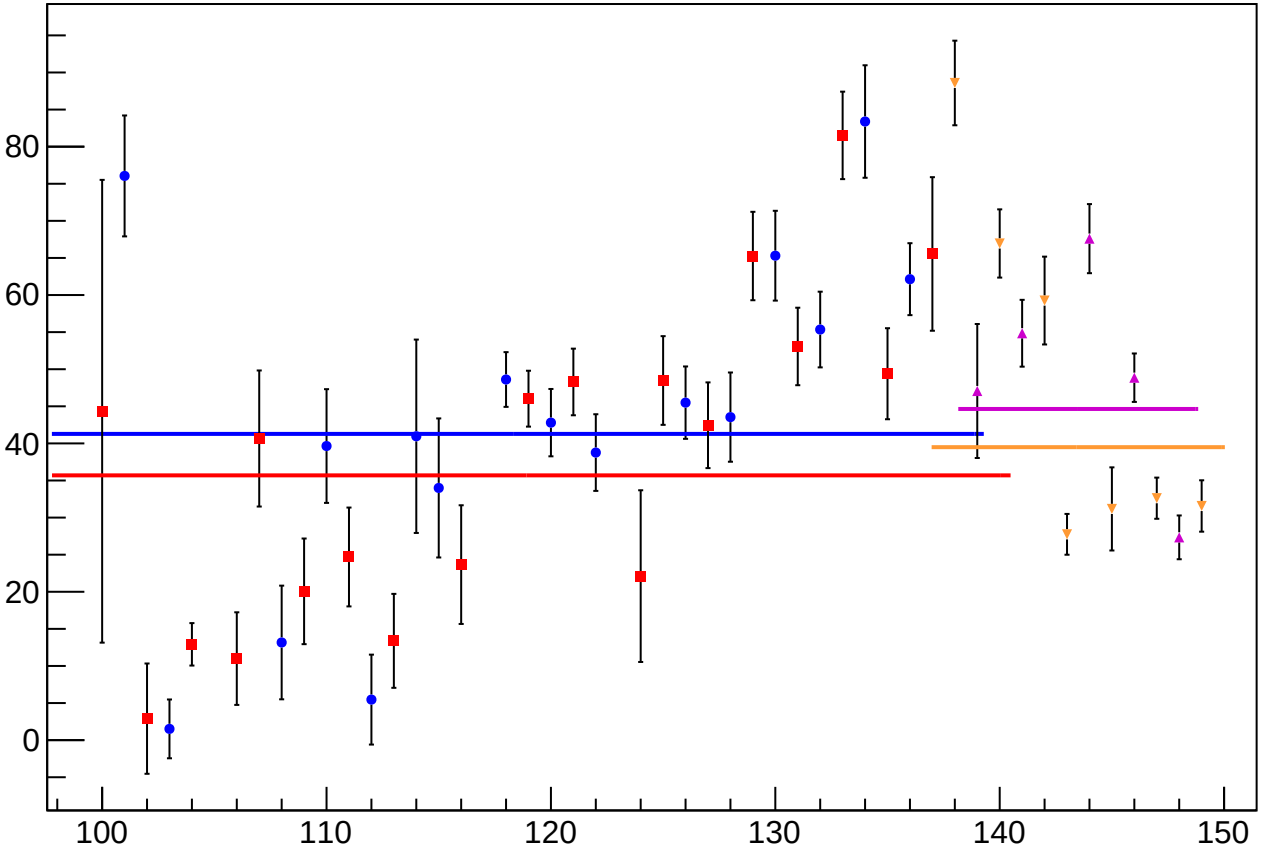
In: 16.848+/-0.909 χ^2/NDF:125.0/20

Out: 16.508+/-0.807 χ^2/NDF:206.1/25

All: 16.658+/-0.603 χ^2/NDF: 331.2/46


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
150
Right In: 230.095+/-1.260 χ²/NDF: 9375.6/15
Left Out: 244.578+/-1.734 χ²/NDF:1915.0/6
Right Out: 211.588+/-1.195 χ²/NDF: 11472.1/18
Left In: 298.427+/-2.186 χ²/NDF:129.3/4
Left: 265.382+/-1.358 χ²/NDF: 2416.8/11
Right: 220.357+/-0.867 χ²/NDF: 20961.4/34
In: 247.133+/-1.091 χ²/NDF:10238.7/20
Out: 222.213+/-0.984 χ²/NDF:13632.5/25
All: 233.390+/-0.731 χ²/NDF: 24158.8/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 39.492+/-1.438 χ^2/NDF:152.8/6

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 44.643+/-1.778 χ^2/NDF:65.6/4

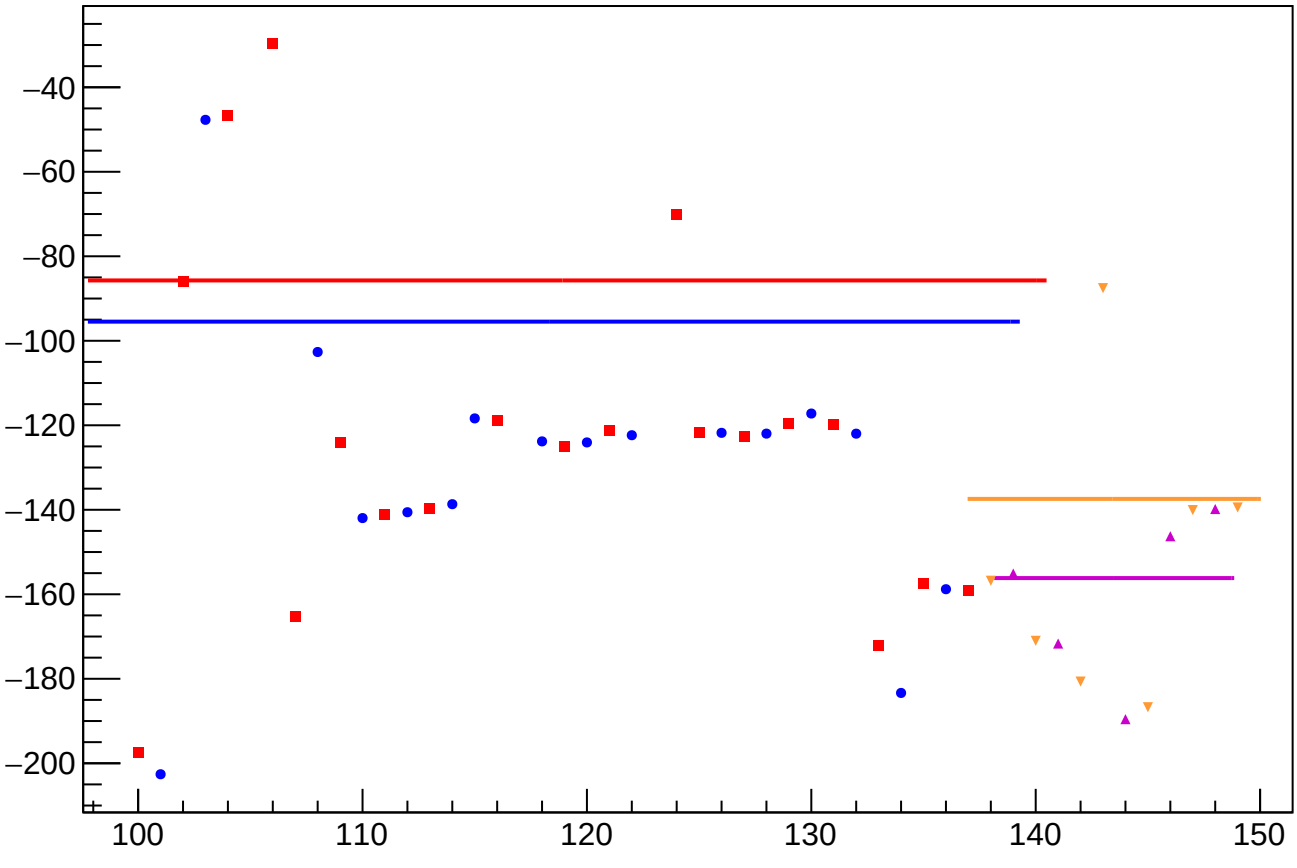
Left: 41.528+/-1.118 χ^2/NDF: 223.4/11

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 42.565+/-1.099 χ^2/NDF:313.5/20

Out: 37.426+/-0.971 χ^2/NDF:409.8/25

All: 39.680+/-0.728 χ^2/NDF: 735.6/46



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.421+/-0.073 χ^2/NDF:228204.5/6

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -156.165+/-0.089 χ^2/NDF:35018.6/4

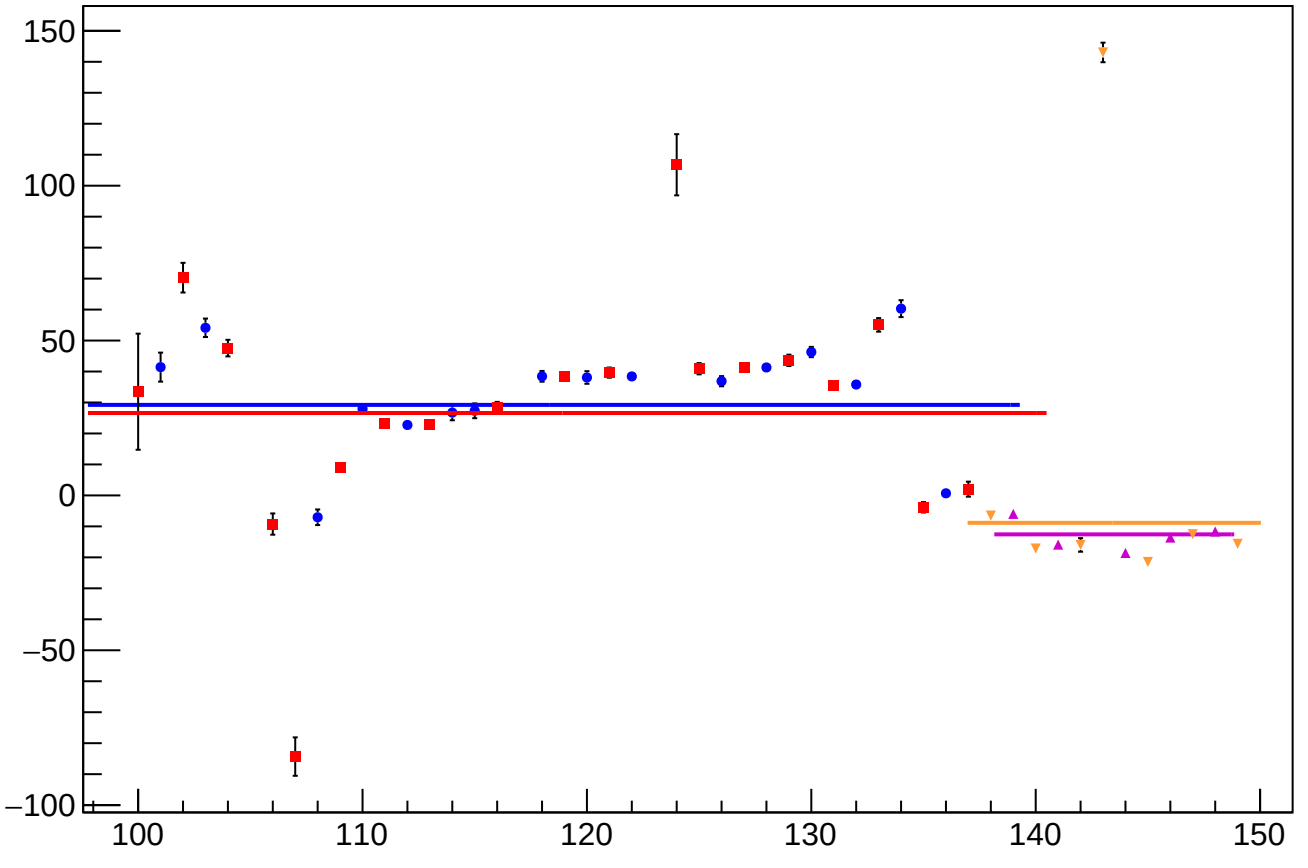
Left: -144.961+/-0.057 χ^2/NDF: 289648.3/11

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -118.394+/-0.055 χ^2/NDF:843451.4/20

Out: -109.293+/-0.049 χ^2/NDF:982785.4/25

All: -113.372+/-0.037 χ^2/NDF: 1841459.4/46



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -8.853+/-0.586 χ^2/NDF:2466.9/6

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: -10.615+/-0.425 χ^2/NDF: 2537.7/11

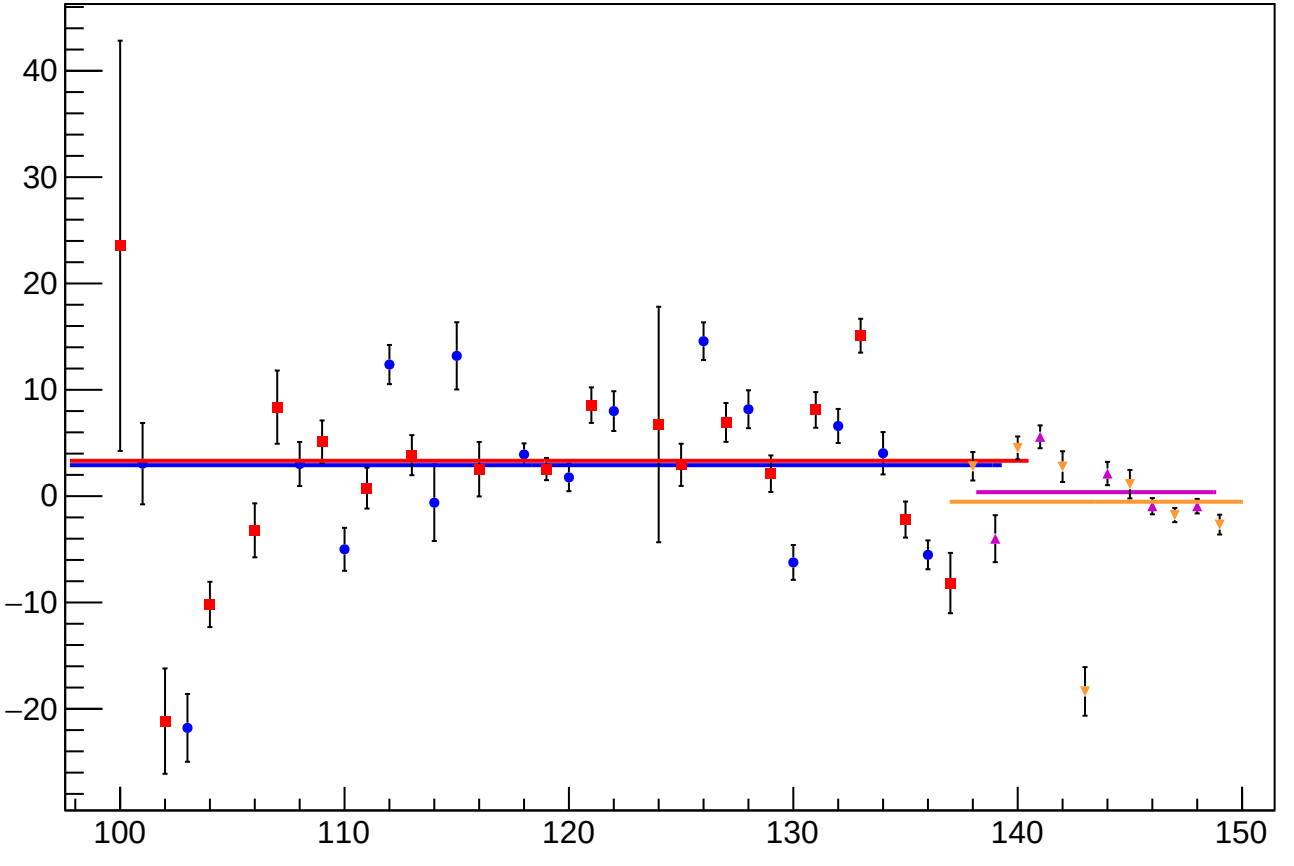
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 15.847+/-0.350 χ^2/NDF:4502.6/20

Out: 14.796+/-0.338 χ^2/NDF:6830.6/25

All: 15.303+/-0.243 χ^2/NDF: 11337.8/46

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.528+/-0.407 χ^2/NDF:104.6/6

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.374+/-0.417 χ^2/NDF:36.7/4

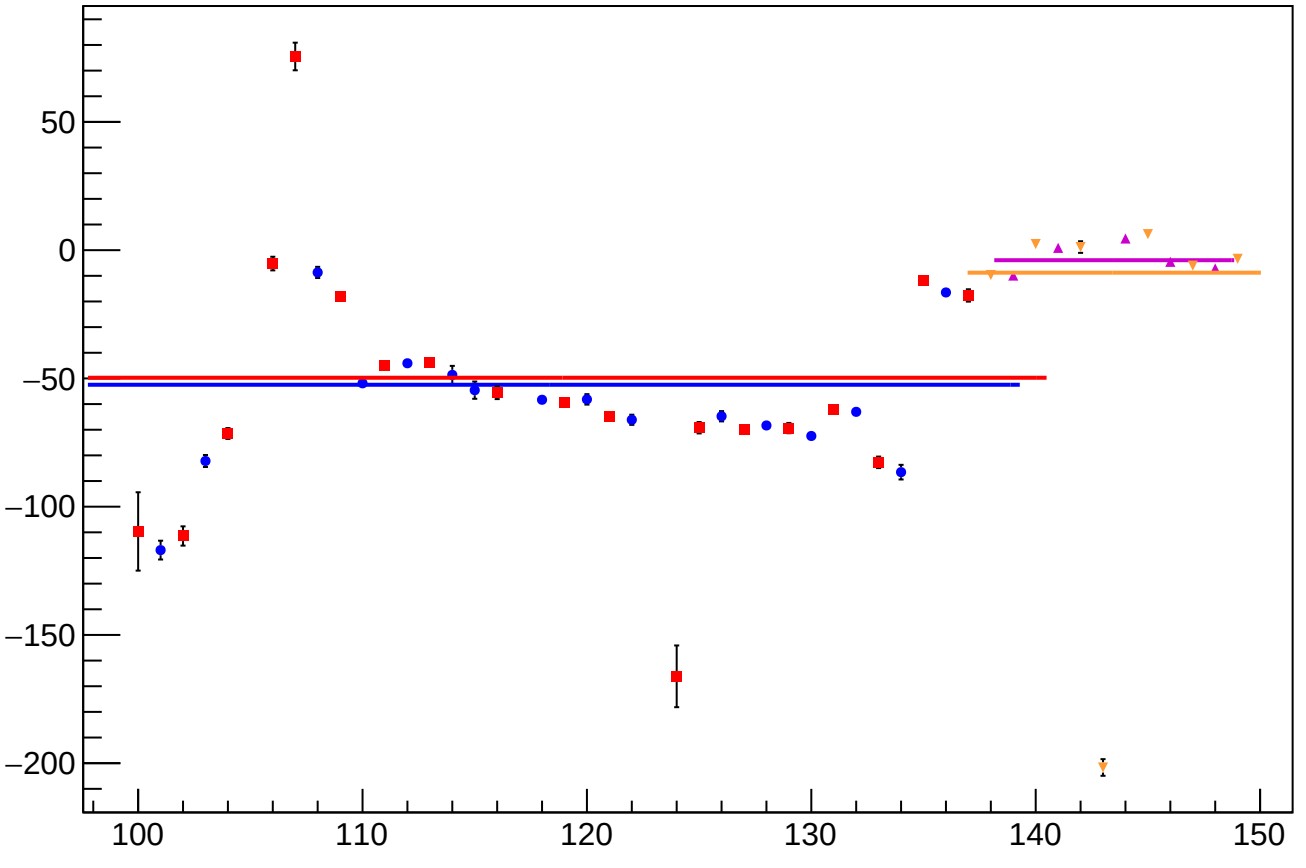
Left: -0.087+/-0.291 χ^2/NDF: 143.7/11

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.567+/-0.303 χ^2/NDF:304.1/20

Out: 1.190+/-0.303 χ^2/NDF:326.4/25

All: 1.378+/-0.214 χ^2/NDF: 631.2/46



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.773+/-0.584 χ^2/NDF:3736.6/6

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

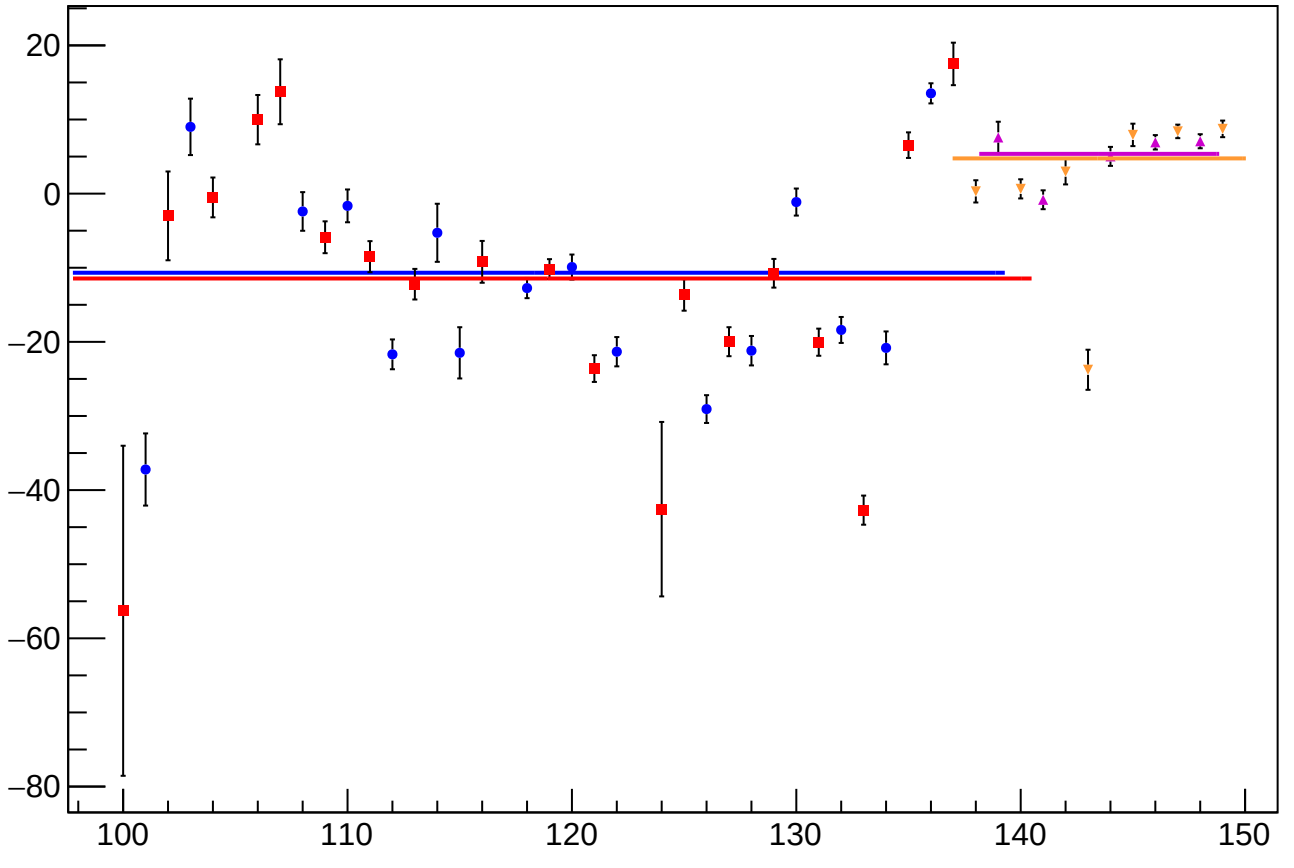
Left: -6.478+/-0.424 χ^2/NDF: 3838.4/11

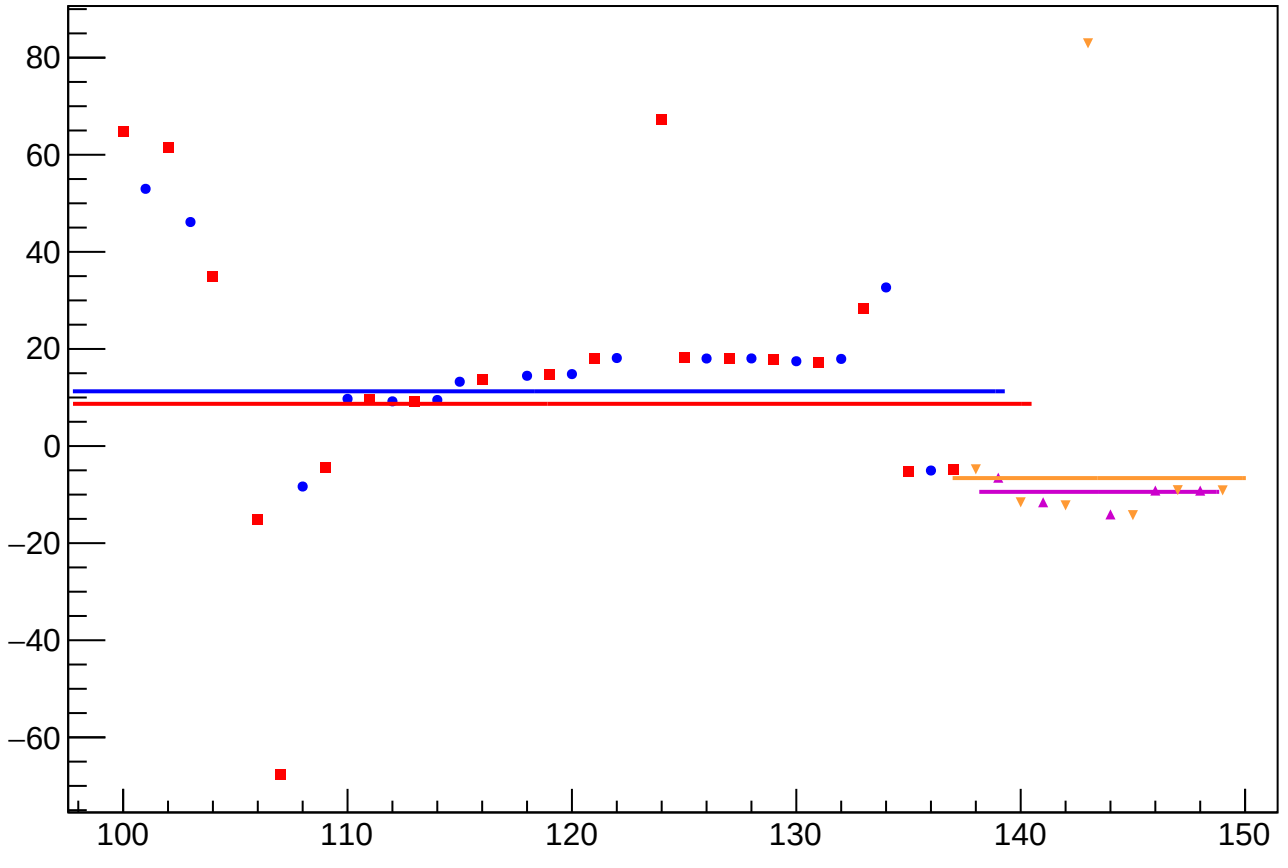
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -33.781+/-0.383 χ^2/NDF:6212.2/20

Out: -32.634+/-0.377 χ^2/NDF:9616.0/25

All: -33.199+/-0.269 χ^2/NDF: 15832.8/46


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 4.753+/-0.503 χ²/NDF:164.1/6
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 5.366+/-0.526 χ²/NDF:30.6/4
Left: 5.046+/-0.364 χ²/NDF: 195.4/11
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: -2.973+/-0.364 χ²/NDF:1180.6/20
Out: -3.141+/-0.360 χ²/NDF:1335.4/25
All: -3.058+/-0.256 χ²/NDF: 2516.0/46



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.599+/-0.024 χ^2/NDF:470323.3/6

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: -7.988+/-0.017 χ^2/NDF: 486997.4/11

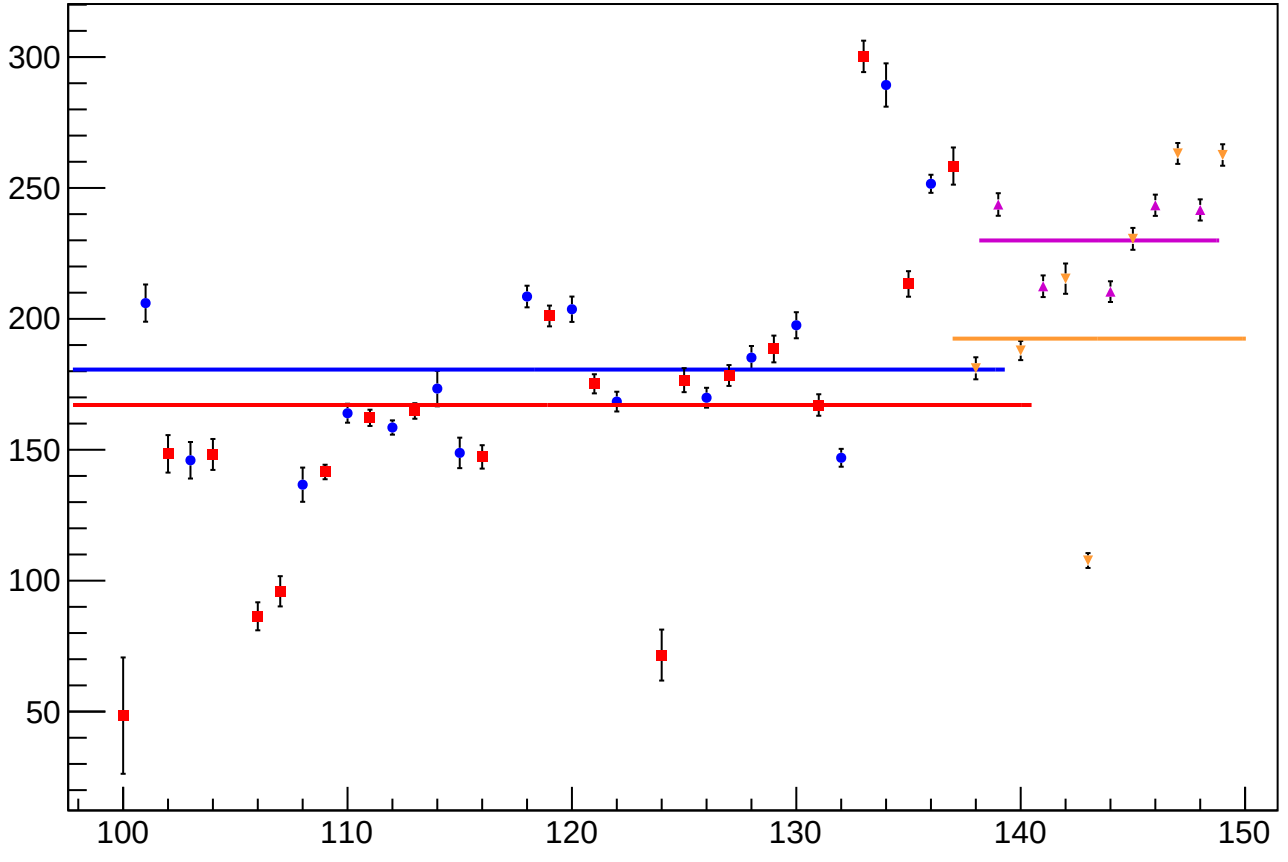
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -0.987+/-0.019 χ^2/NDF:643051.3/20

Out: -0.861+/-0.019 χ^2/NDF:1054576.9/25

All: -0.924+/-0.014 χ^2/NDF: 1697650.0/46

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 192.452+/-1.468 χ^2/NDF:1603.5/6

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 229.946+/-1.832 χ^2/NDF:71.7/4

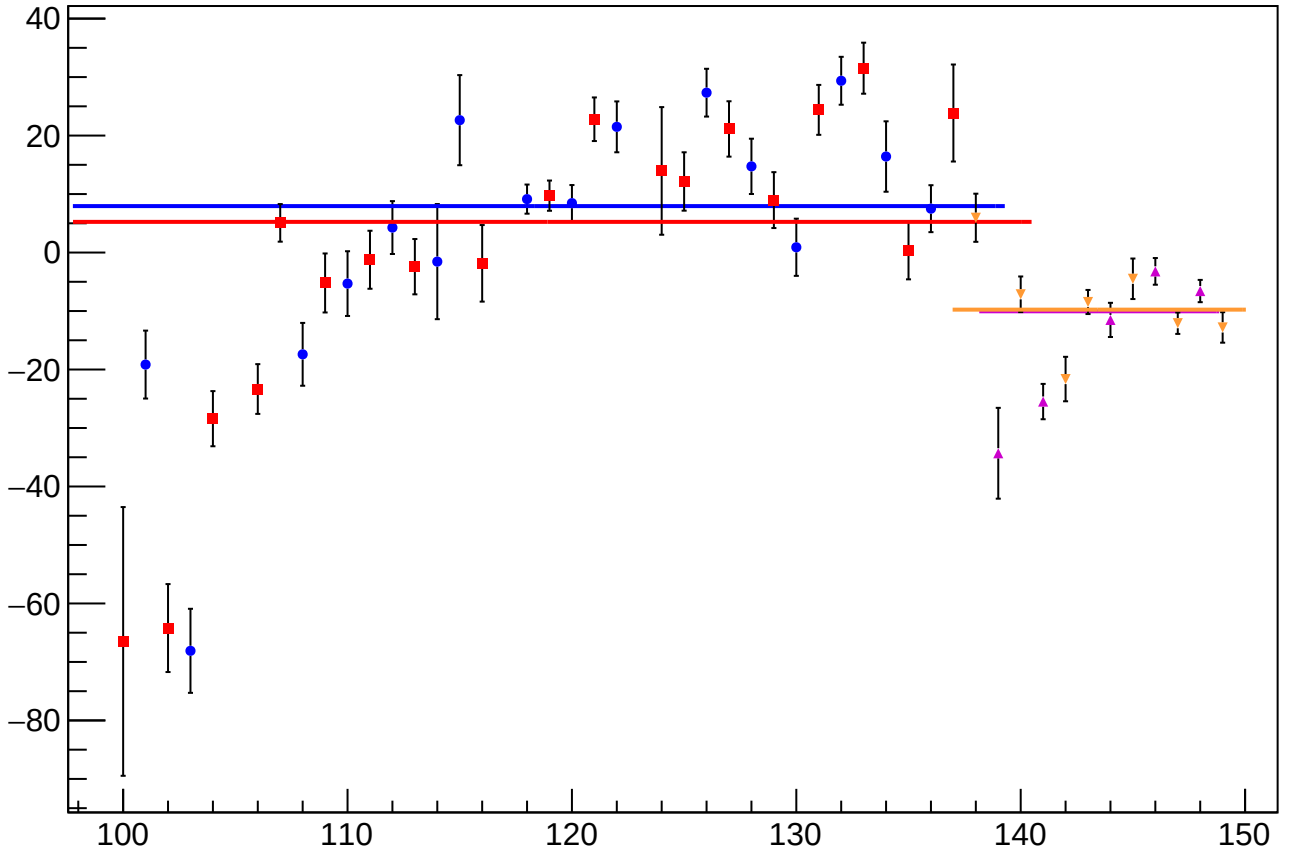
Left: 207.111+/-1.146 χ^2/NDF: 1930.2/11

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 193.519+/-0.937 χ^2/NDF:1600.2/20

Out: 175.365+/-0.838 χ^2/NDF:3289.1/25

All: 183.438+/-0.625 χ^2/NDF: 5098.0/46



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.763+/-1.000 χ^2/NDF:30.8/6

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -10.045+/-1.186 χ^2/NDF:48.4/4

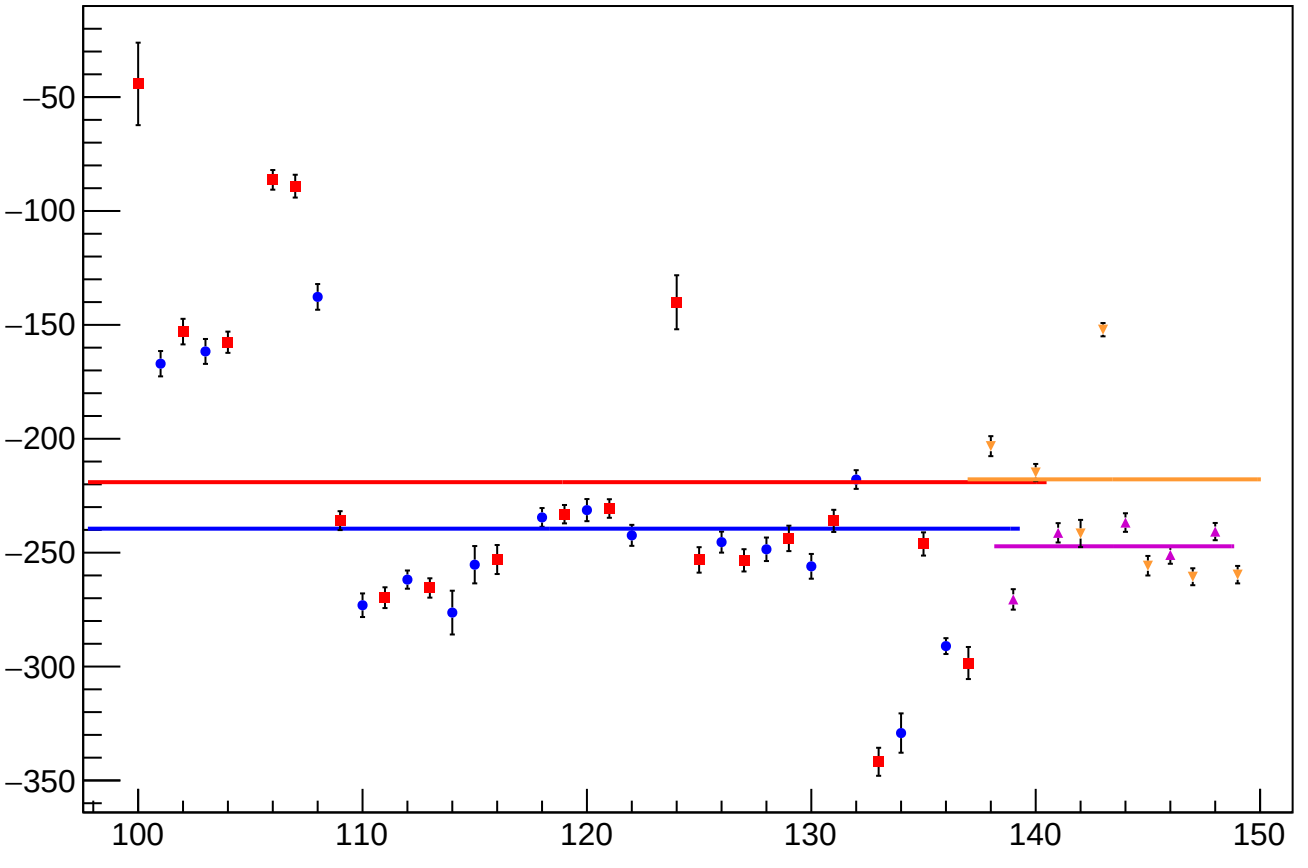
Left: -9.880+/-0.765 χ^2/NDF: 79.2/11

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.483+/-0.812 χ^2/NDF:403.6/20

Out: -2.711+/-0.728 χ^2/NDF:439.5/25

All: -1.717+/-0.542 χ^2/NDF: 847.3/46



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -217.814+/-1.471 χ^2/NDF:862.2/6

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: -229.416+/-1.145 χ^2/NDF: 1059.0/11

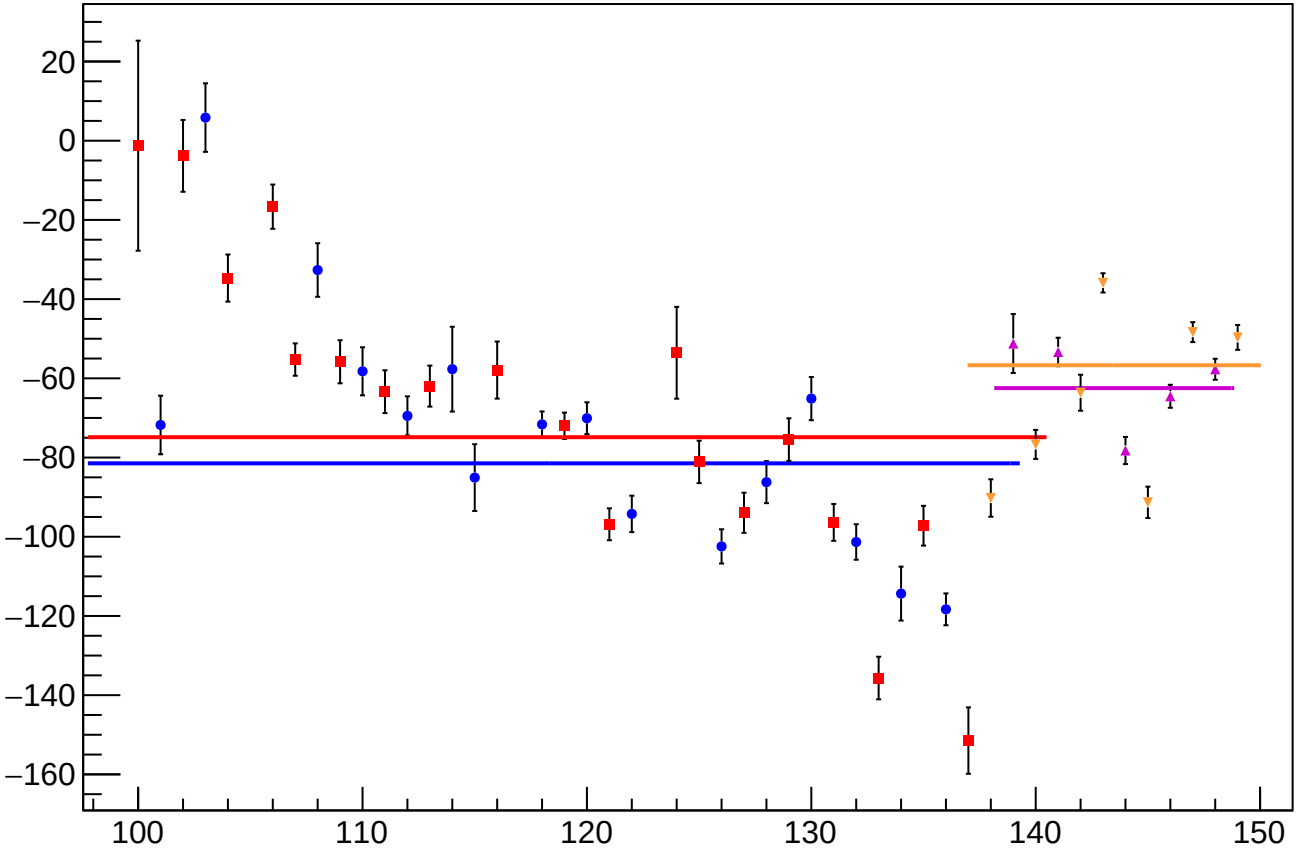
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.933+/-1.028 χ^2/NDF:1213.8/20

Out: -218.570+/-0.919 χ^2/NDF:3911.9/25

All: -228.943+/-0.685 χ^2/NDF: 5412.8/46

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -56.696+/-1.231 χ^2/NDF:248.0/6

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.466+/-1.505 χ^2/NDF:33.6/4

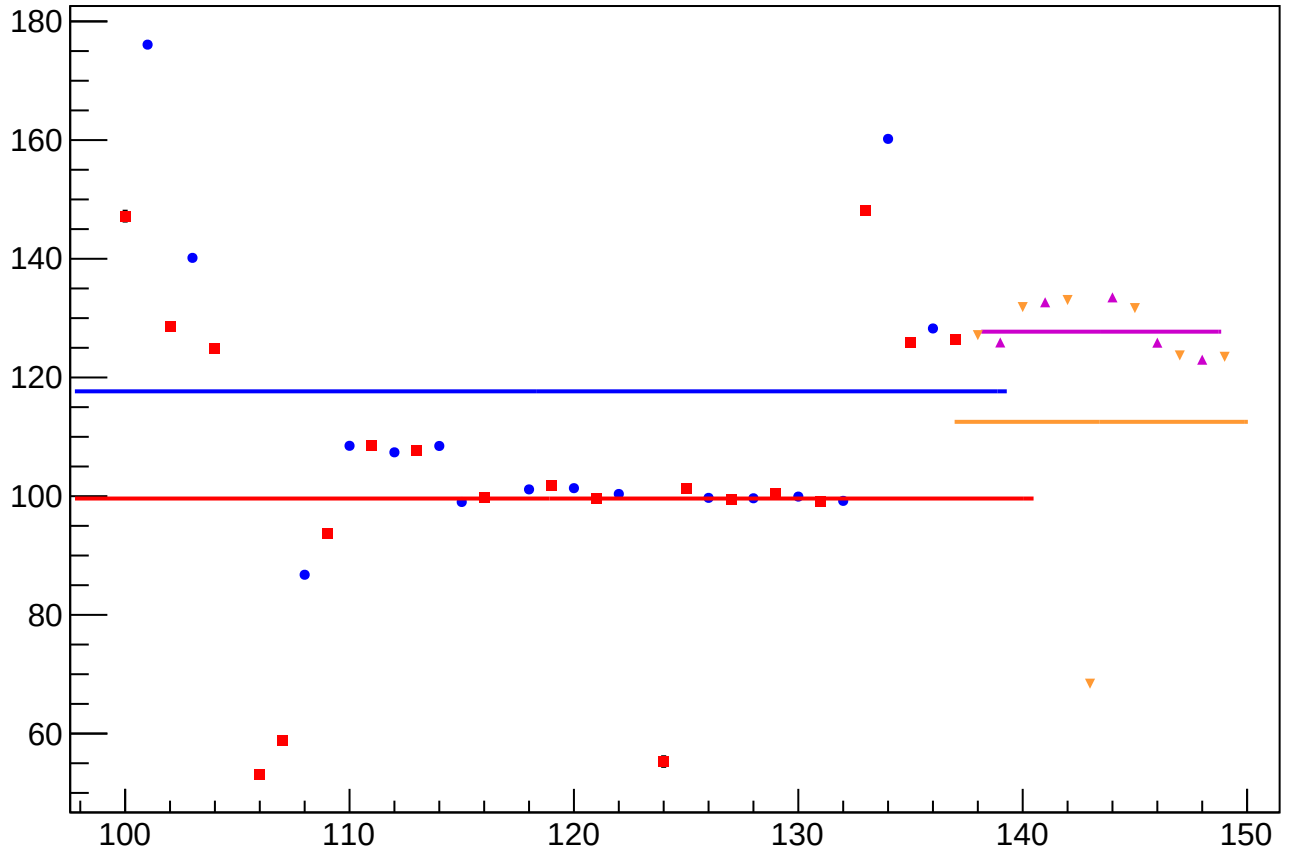
Left: -59.009+/-0.953 χ^2/NDF: 290.3/11

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.439+/-0.978 χ^2/NDF:492.1/20

Out: -65.785+/-0.870 χ^2/NDF:933.5/25

All: -69.167+/-0.650 χ^2/NDF: 1459.8/46



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 112.528+/-0.062 χ^2/NDF:180547.0/6

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: 118.732+/-0.048 χ^2/NDF: 208174.3/11

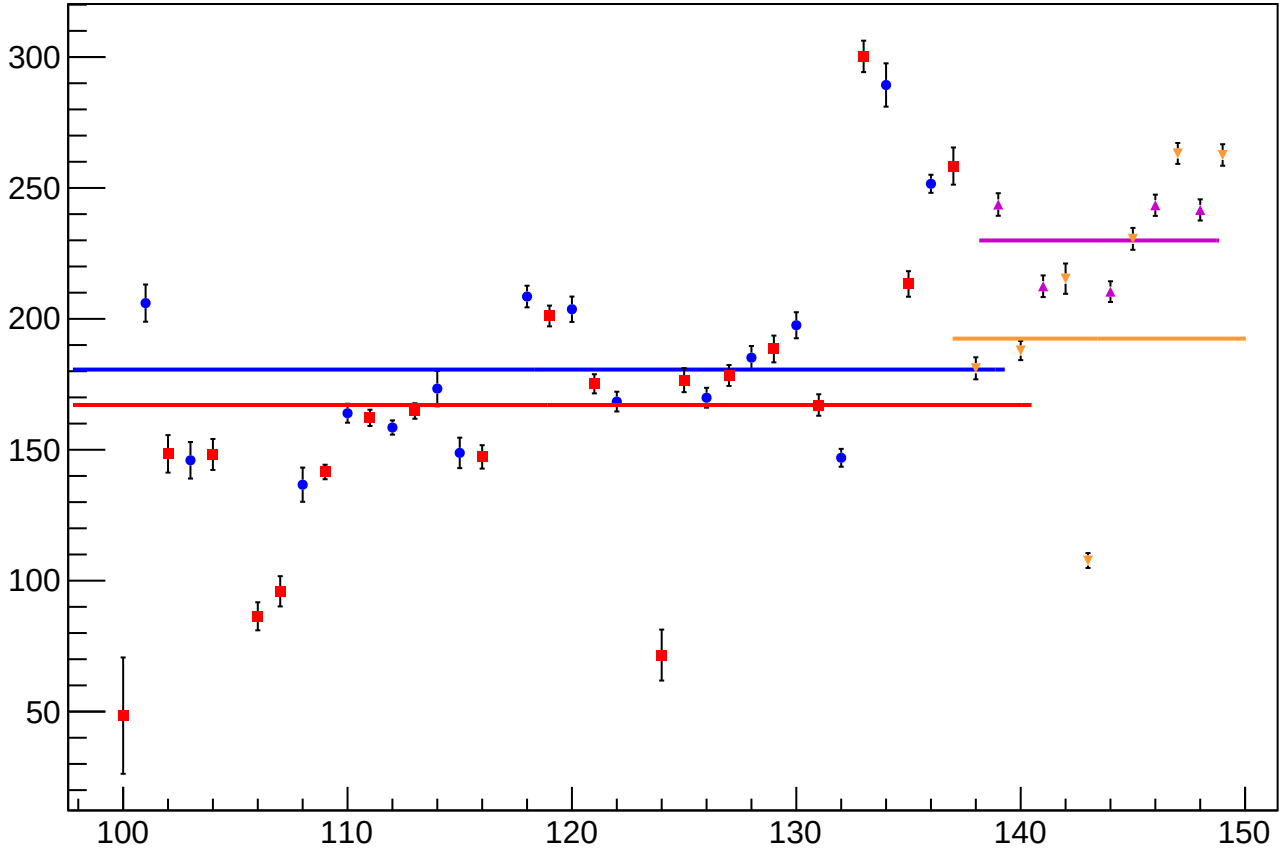
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.941+/-0.054 χ^2/NDF:107071.6/20

Out: 106.886+/-0.046 χ^2/NDF:365822.3/25

All: 113.721+/-0.035 χ^2/NDF: 523754.3/46

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: 192.452+/-1.468 χ^2/NDF:1603.5/6

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: 207.111+/-1.146 χ^2/NDF: 1930.2/11

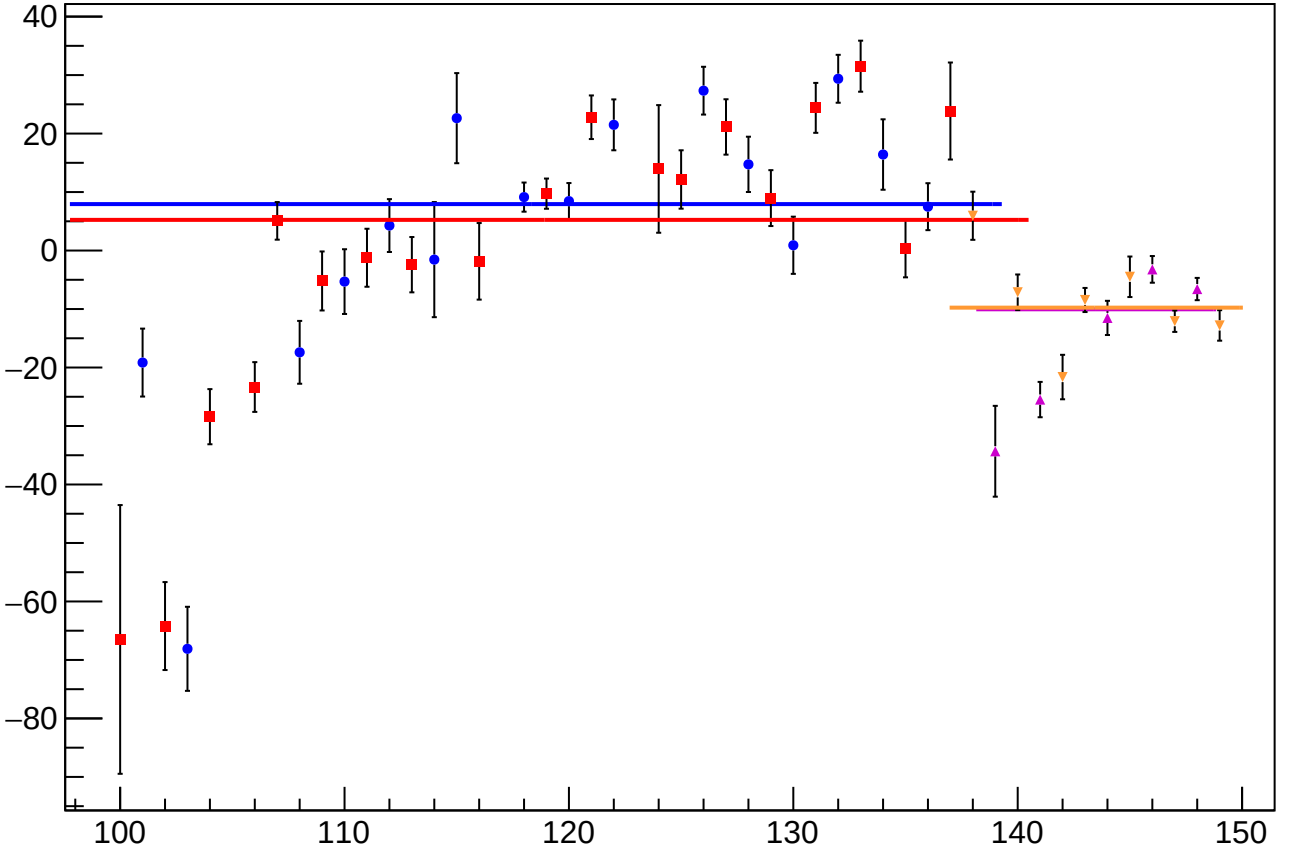
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 193.519+/-0.937 χ^2/NDF:1600.2/20

Out: 175.365+/-0.838 χ^2/NDF:3289.1/25

All: 183.438+/-0.625 χ^2/NDF: 5098.0/46

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: -9.763+/-1.000 χ^2/NDF:30.8/6

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: -9.880+/-0.765 χ^2/NDF: 79.2/11

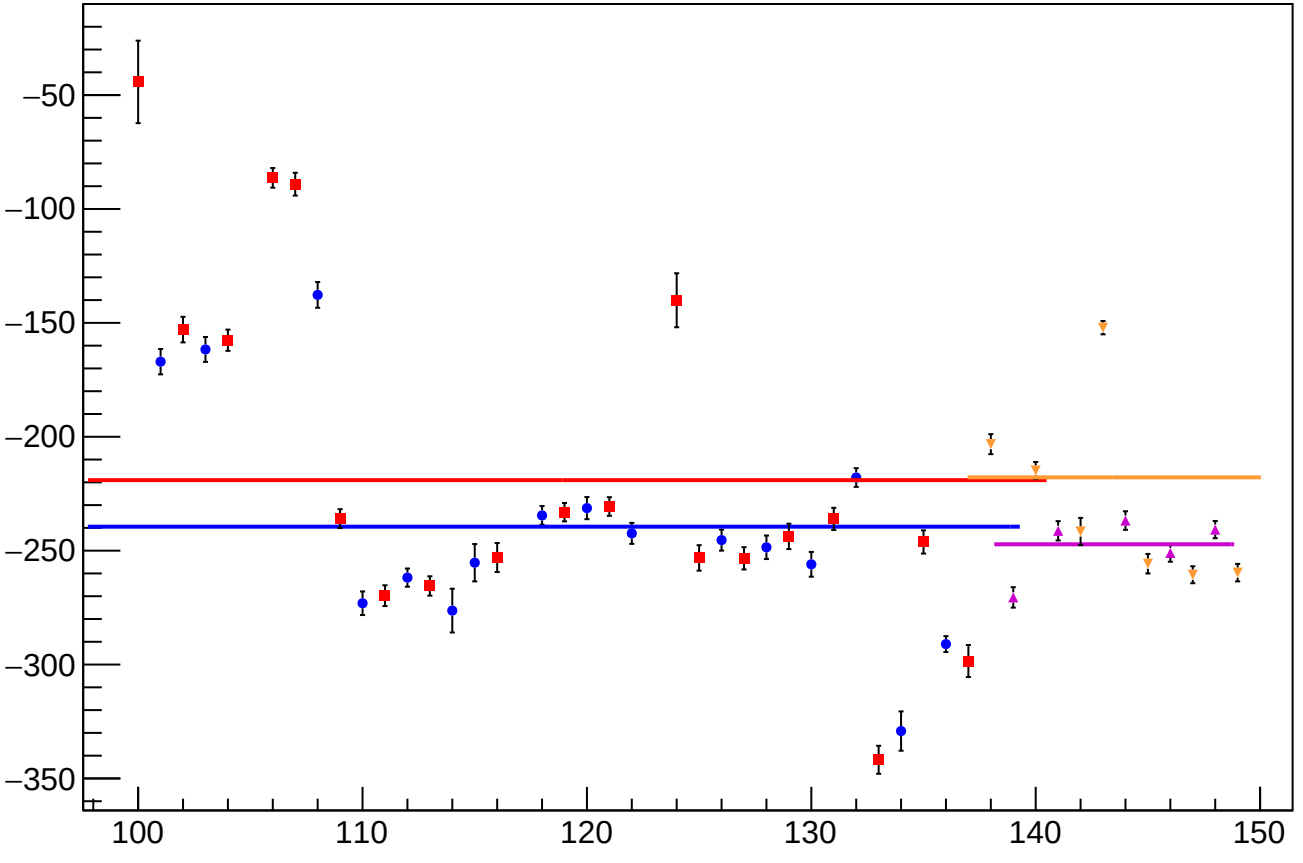
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.483+/-0.812 χ^2/NDF:403.6/20

Out: -2.711+/-0.728 χ^2/NDF:439.5/25

All: -1.717+/-0.542 χ^2/NDF: 847.3/46

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -217.814+/-1.471 χ^2/NDF:862.2/6

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: -229.416+/-1.145 χ^2/NDF: 1059.0/11

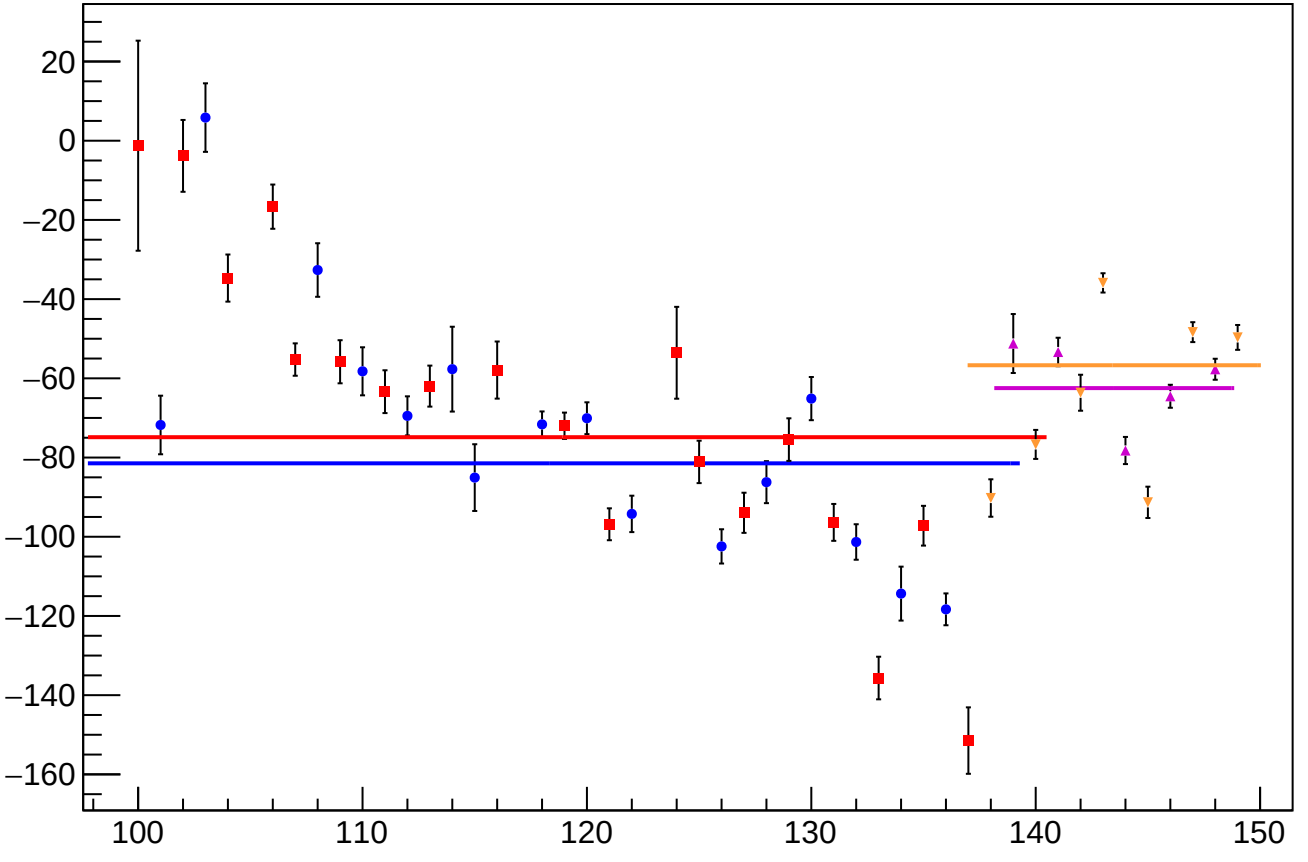
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.933+/-1.028 χ^2/NDF:1213.8/20

Out: -218.570+/-0.919 χ^2/NDF:3911.9/25

All: -228.943+/-0.685 χ^2/NDF: 5412.8/46

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: -56.696+/-1.231 χ^2/NDF:248.0/6

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: -59.009+/-0.953 χ^2/NDF: 290.3/11

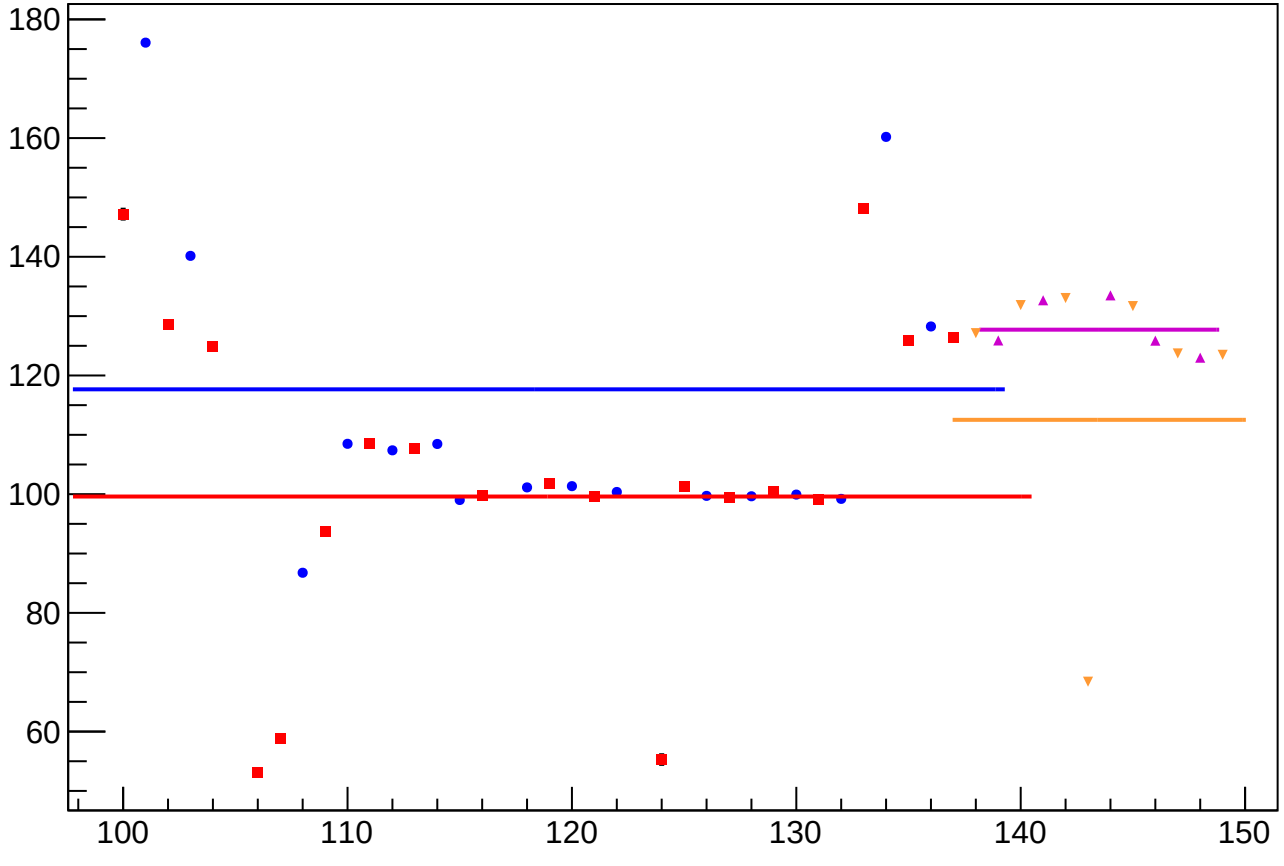
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -73.439+/-0.978 χ^2/NDF:492.1/20

Out: -65.785+/-0.870 χ^2/NDF:933.5/25

All: -69.167+/-0.650 χ^2/NDF: 1459.8/46

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 112.528+/-0.062 χ^2/NDF:180547.0/6

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: 118.732+/-0.048 χ^2/NDF: 208174.3/11

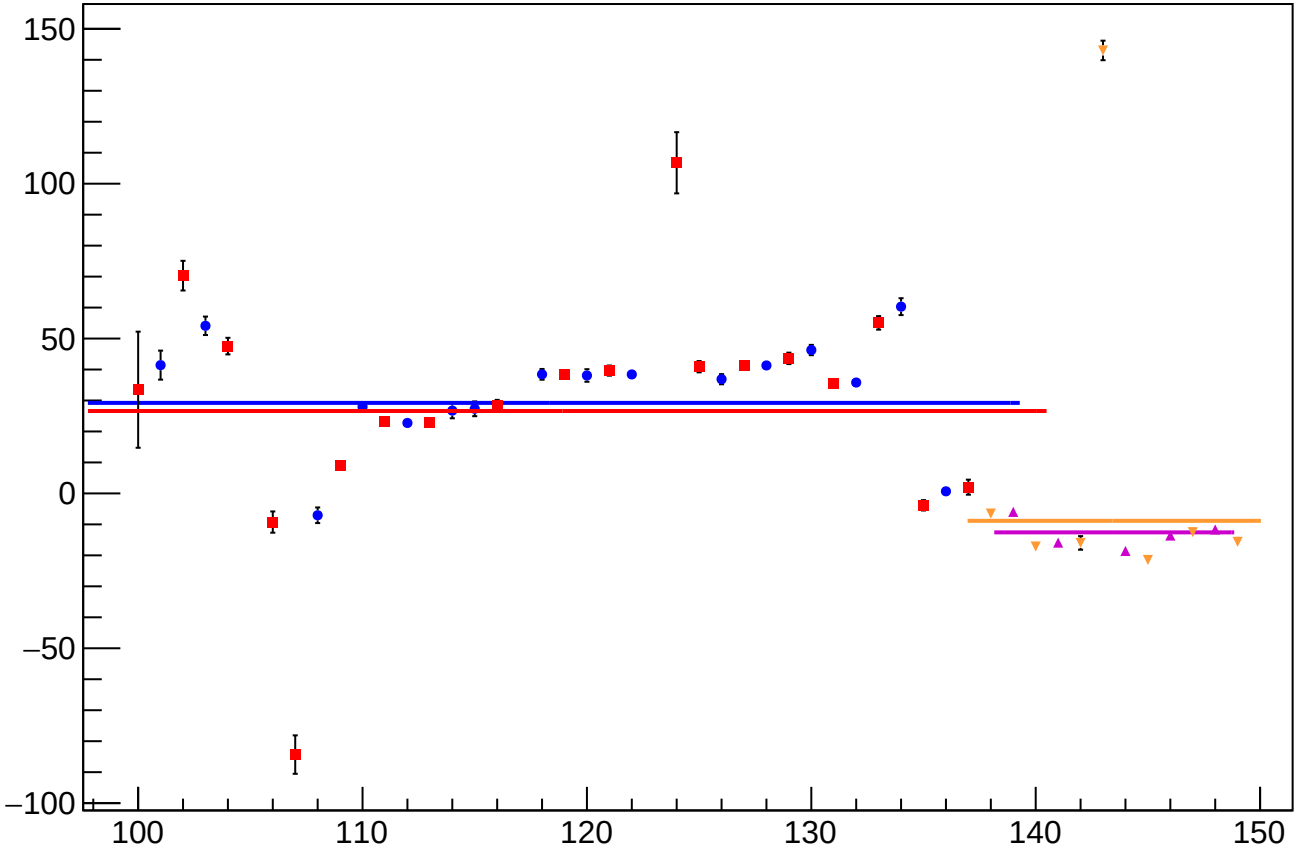
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.941+/-0.054 χ^2/NDF:107071.6/20

Out: 106.886+/-0.046 χ^2/NDF:365822.3/25

All: 113.721+/-0.035 χ^2/NDF: 523754.3/46

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: -8.853+/-0.586 χ^2/NDF:2466.9/6

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: -10.615+/-0.425 χ^2/NDF: 2537.7/11

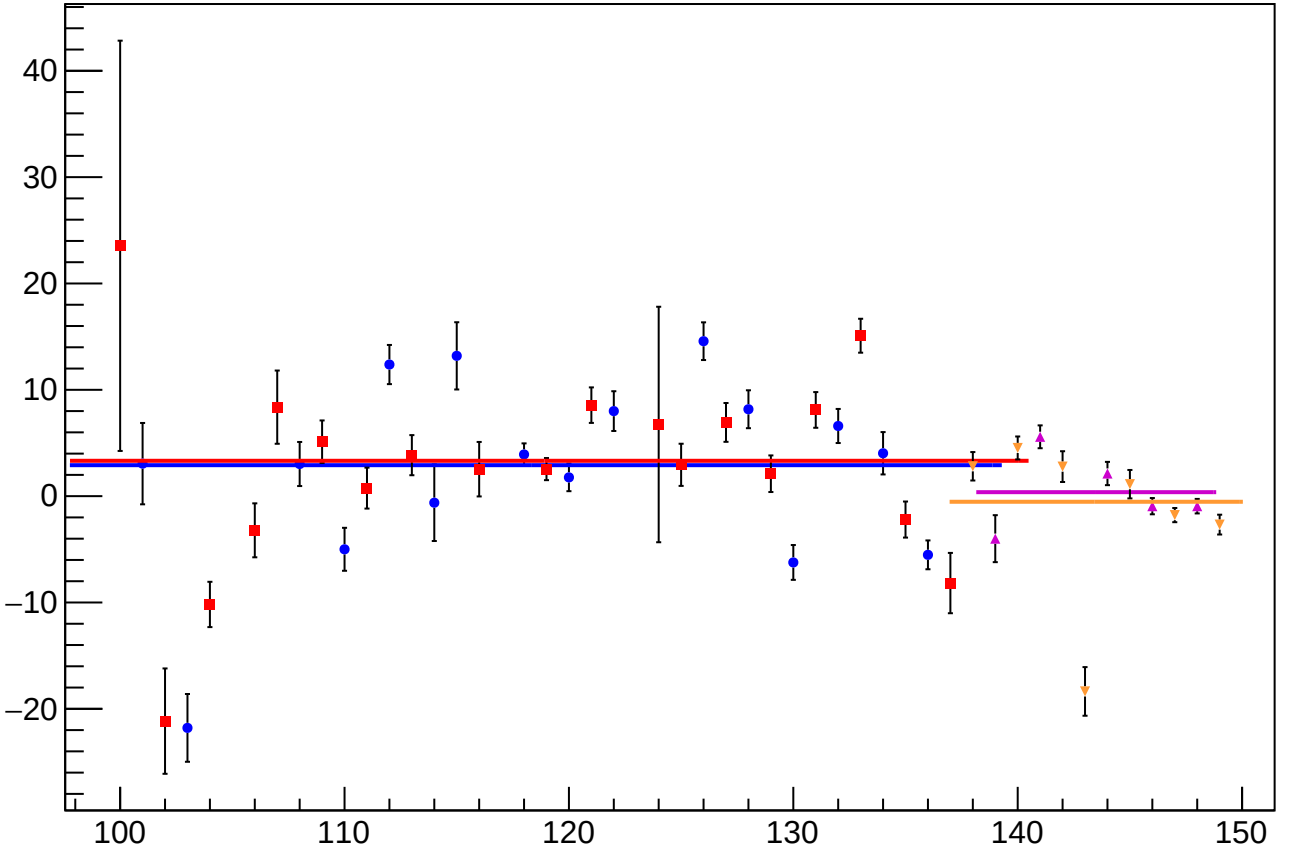
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 15.847+/-0.350 χ^2/NDF:4502.6/20

Out: 14.796+/-0.338 χ^2/NDF:6830.6/25

All: 15.303+/-0.243 χ^2/NDF: 11337.8/46

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.528+/-0.407 χ^2/NDF:104.6/6

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: -0.087+/-0.291 χ^2/NDF: 143.7/11

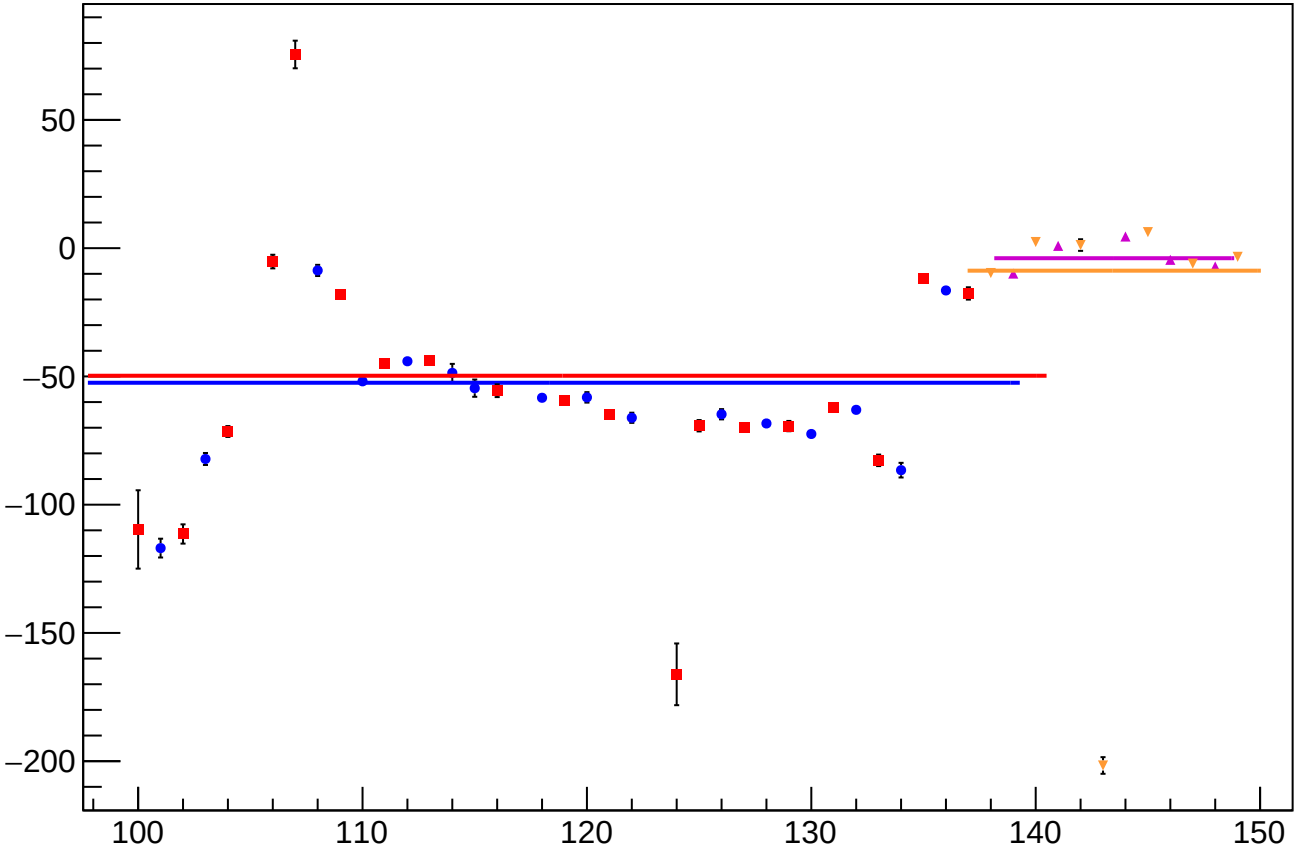
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.567+/-0.303 χ^2/NDF:304.1/20

Out: 1.190+/-0.303 χ^2/NDF:326.4/25

All: 1.378+/-0.214 χ^2/NDF: 631.2/46

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.773+/-0.584 χ^2/NDF:3736.6/6

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.915+/-0.617 χ^2/NDF:69.1/4

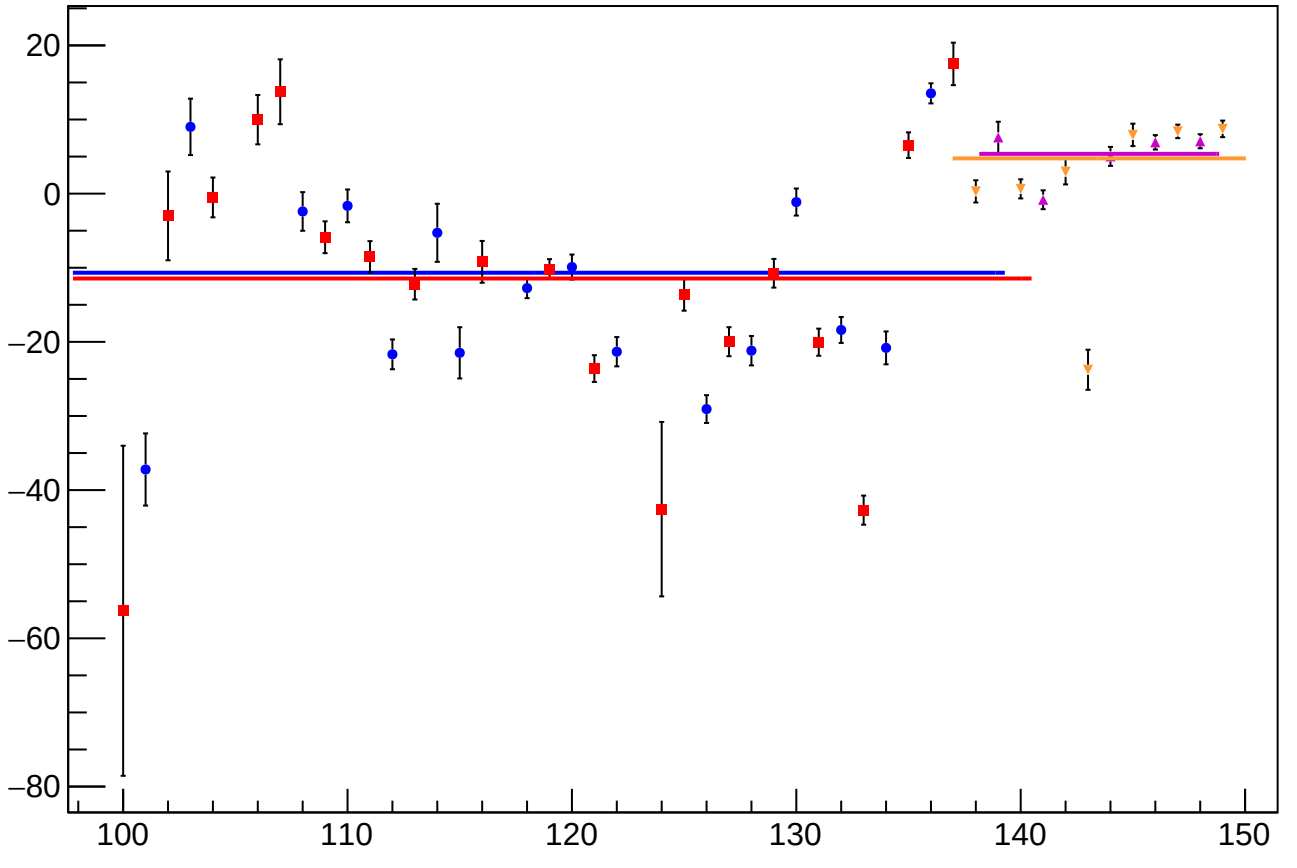
Left: -6.478+/-0.424 χ^2/NDF: 3838.4/11

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -33.781+/-0.383 χ^2/NDF:6212.2/20

Out: -32.634+/-0.377 χ^2/NDF:9616.0/25

All: -33.199+/-0.269 χ^2/NDF: 15832.8/46



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.753+/-0.503 χ^2/NDF:164.1/6

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: 5.046+/-0.364 χ^2/NDF: 195.4/11

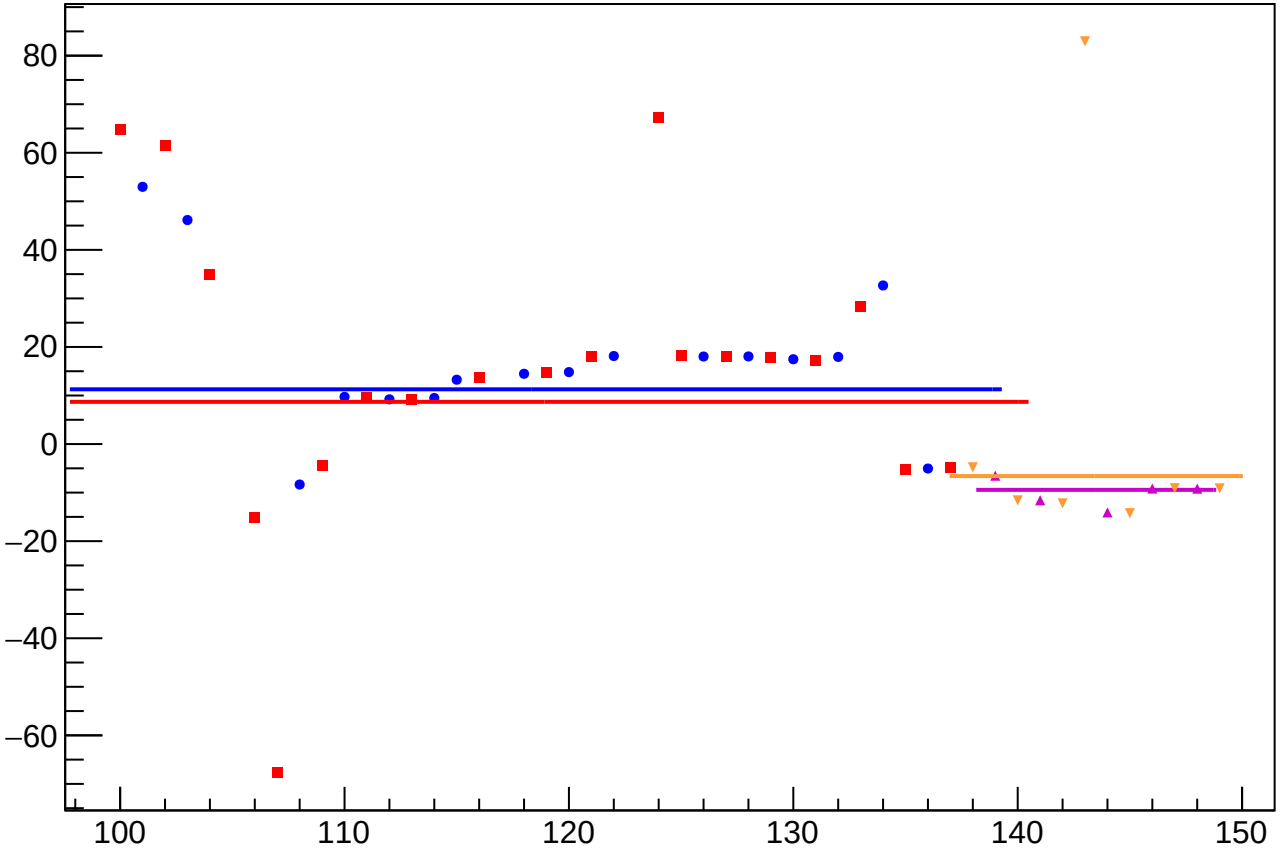
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -2.973+/-0.364 χ^2/NDF:1180.6/20

Out: -3.141+/-0.360 χ^2/NDF:1335.4/25

All: -3.058+/-0.256 χ^2/NDF: 2516.0/46

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.599+/-0.024 χ^2/NDF:470323.3/6

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.433+/-0.025 χ^2/NDF:10032.9/4

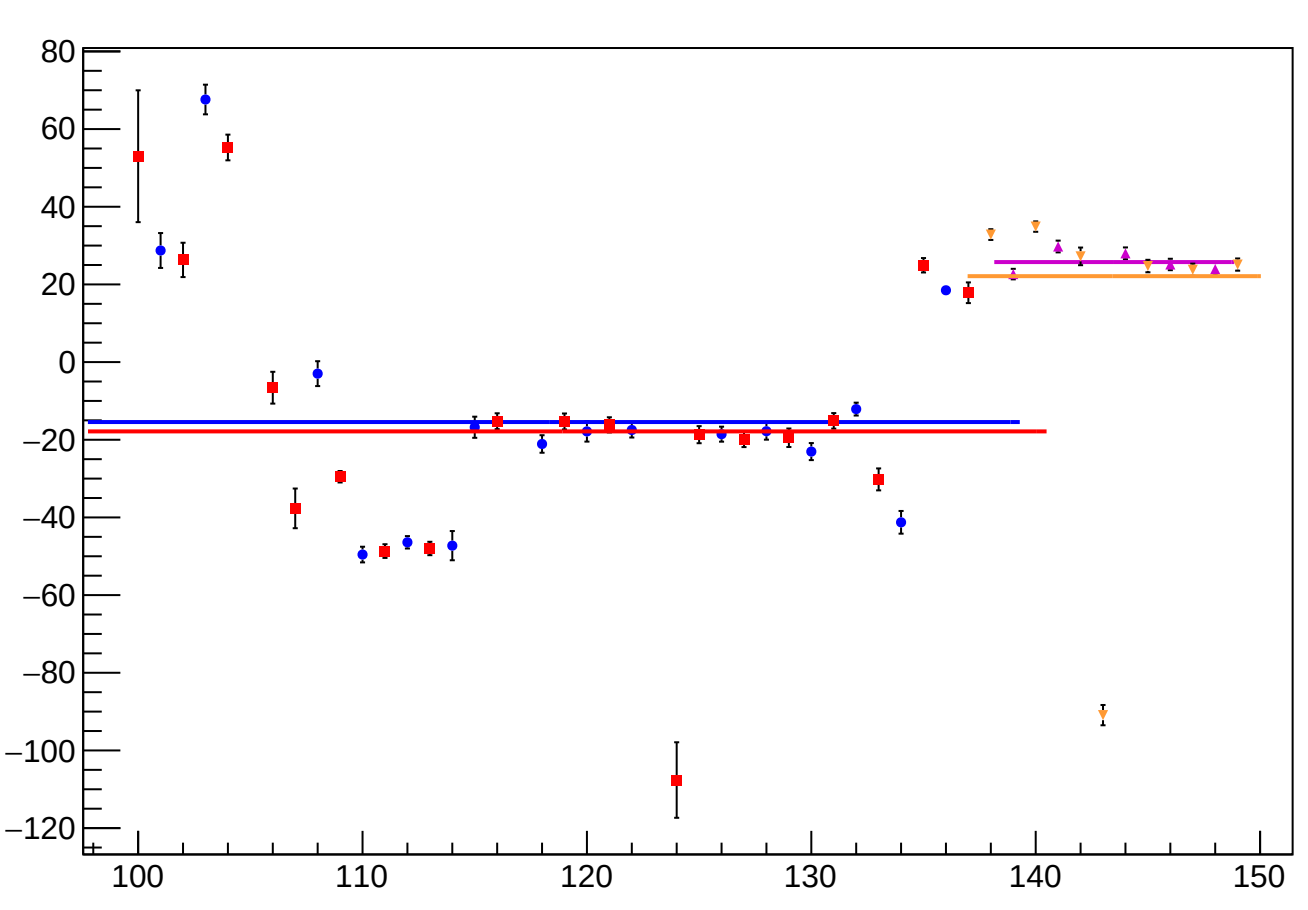
Left: -7.988+/-0.017 χ^2/NDF: 486997.4/11

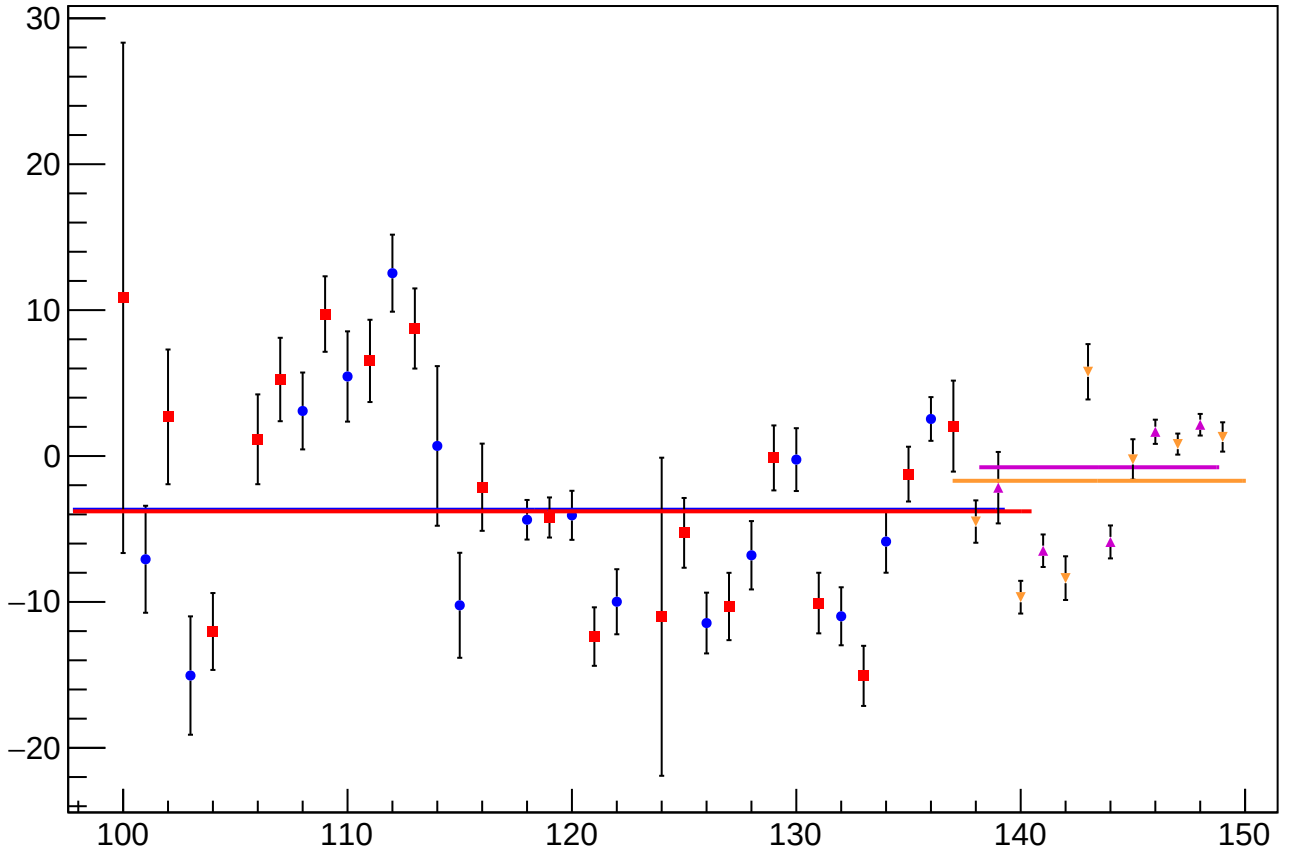
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -0.987+/-0.019 χ^2/NDF:643051.3/20

Out: -0.861+/-0.019 χ^2/NDF:1054576.9/25

All: -0.924+/-0.014 χ^2/NDF: 1697650.0/46


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 22.125+/-0.618 χ²/NDF:2034.9/6
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.754+/-0.663 χ²/NDF:15.9/4
Left: 23.813+/-0.452 χ²/NDF: 2066.8/11
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 0.957+/-0.418 χ²/NDF:4464.3/20
Out: -0.927+/-0.402 χ²/NDF:6571.4/25
All: -0.022+/-0.290 χ²/NDF: 11046.3/46



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.697+/-0.429 χ^2/NDF:111.9/6

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: -1.251+/-0.309 χ^2/NDF: 185.4/11

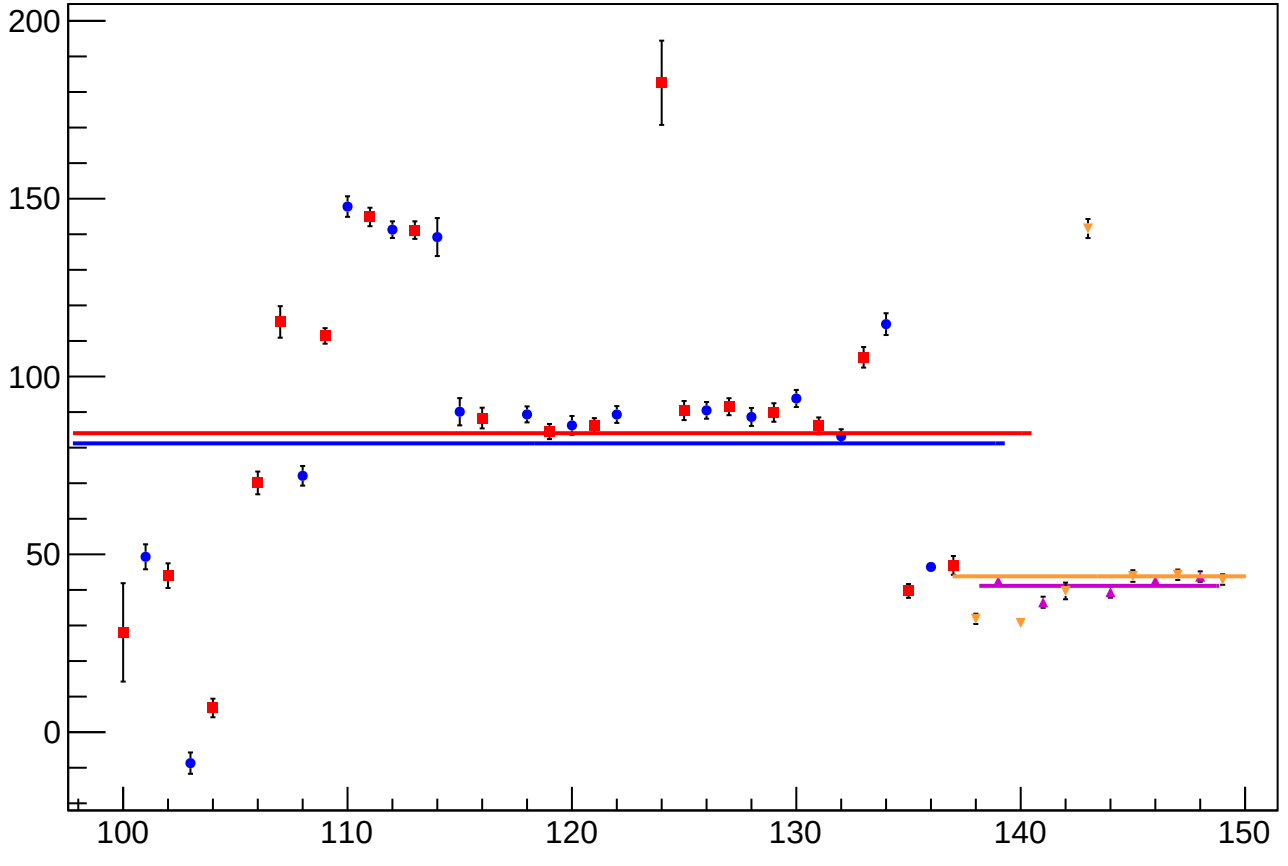
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.918+/-0.347 χ^2/NDF:212.1/20

Out: -2.465+/-0.342 χ^2/NDF:281.9/25

All: -2.196+/-0.243 χ^2/NDF: 495.2/46

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.824+/-0.617 χ^2/NDF:1487.3/6

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.145+/-0.662 χ^2/NDF:15.1/4

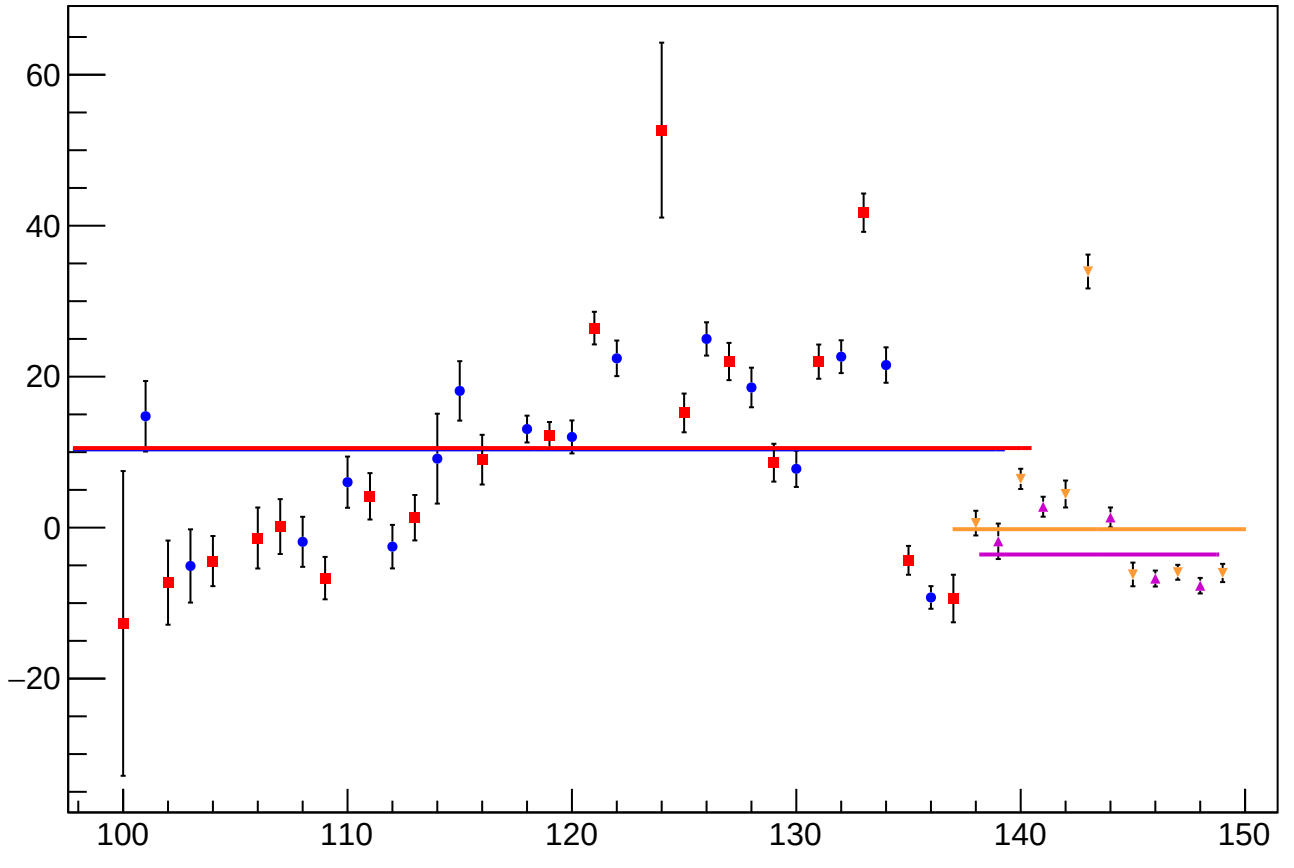
Left: 42.579+/-0.451 χ^2/NDF: 1511.2/11

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 62.891+/-0.447 χ^2/NDF:5236.2/20

Out: 63.956+/-0.436 χ^2/NDF:6824.4/25

All: 63.437+/-0.312 χ^2/NDF: 12063.5/46



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -0.207+/-0.530 χ^2/NDF:334.8/6

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.560+/-0.562 χ^2/NDF:62.5/4

Left: -1.785+/-0.386 χ^2/NDF: 416.1/11

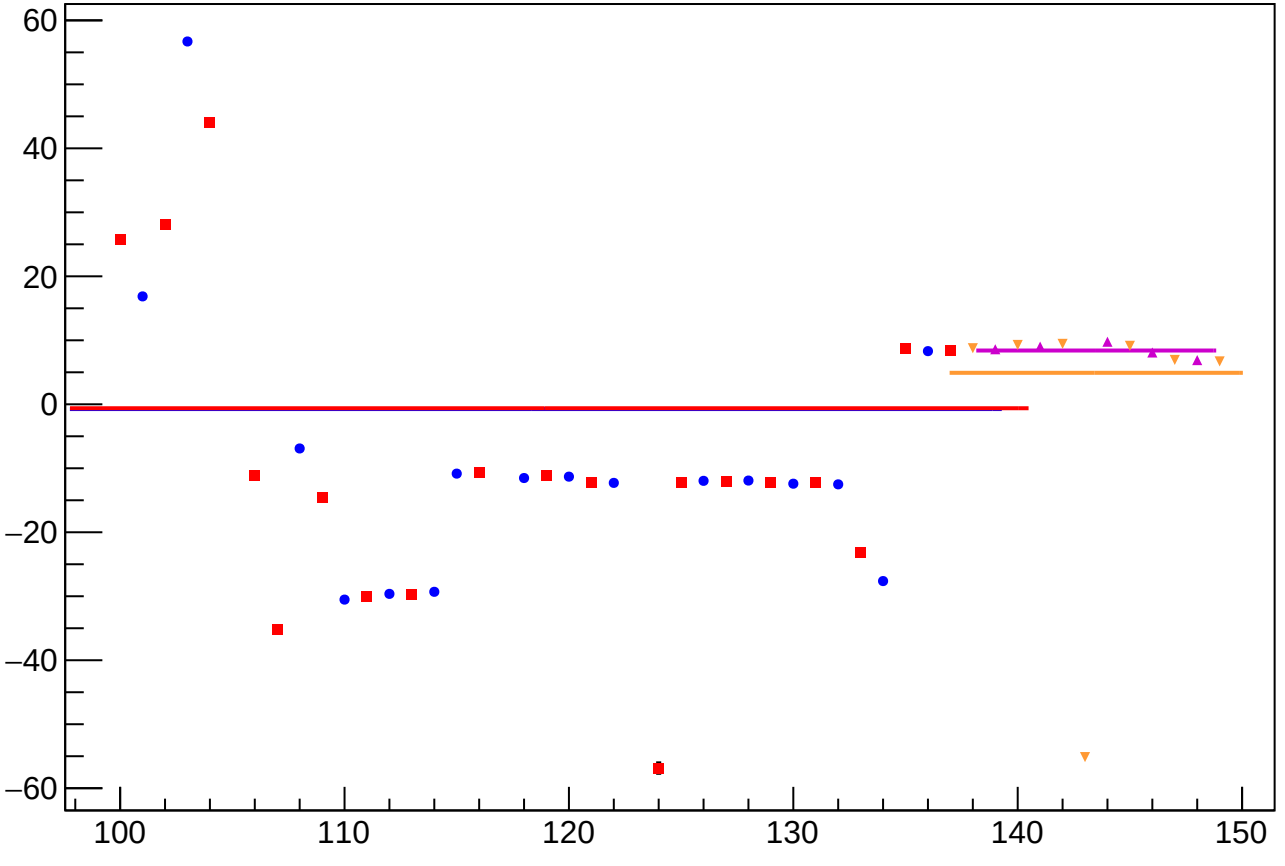
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.652+/-0.418 χ^2/NDF:696.0/20

Out: 4.163+/-0.408 χ^2/NDF:972.7/25

All: 3.426+/-0.292 χ^2/NDF: 1675.4/46

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: 4.919+/-0.026 χ^2/NDF:306746.6/6

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.404+/-0.027 χ^2/NDF:1154.3/4

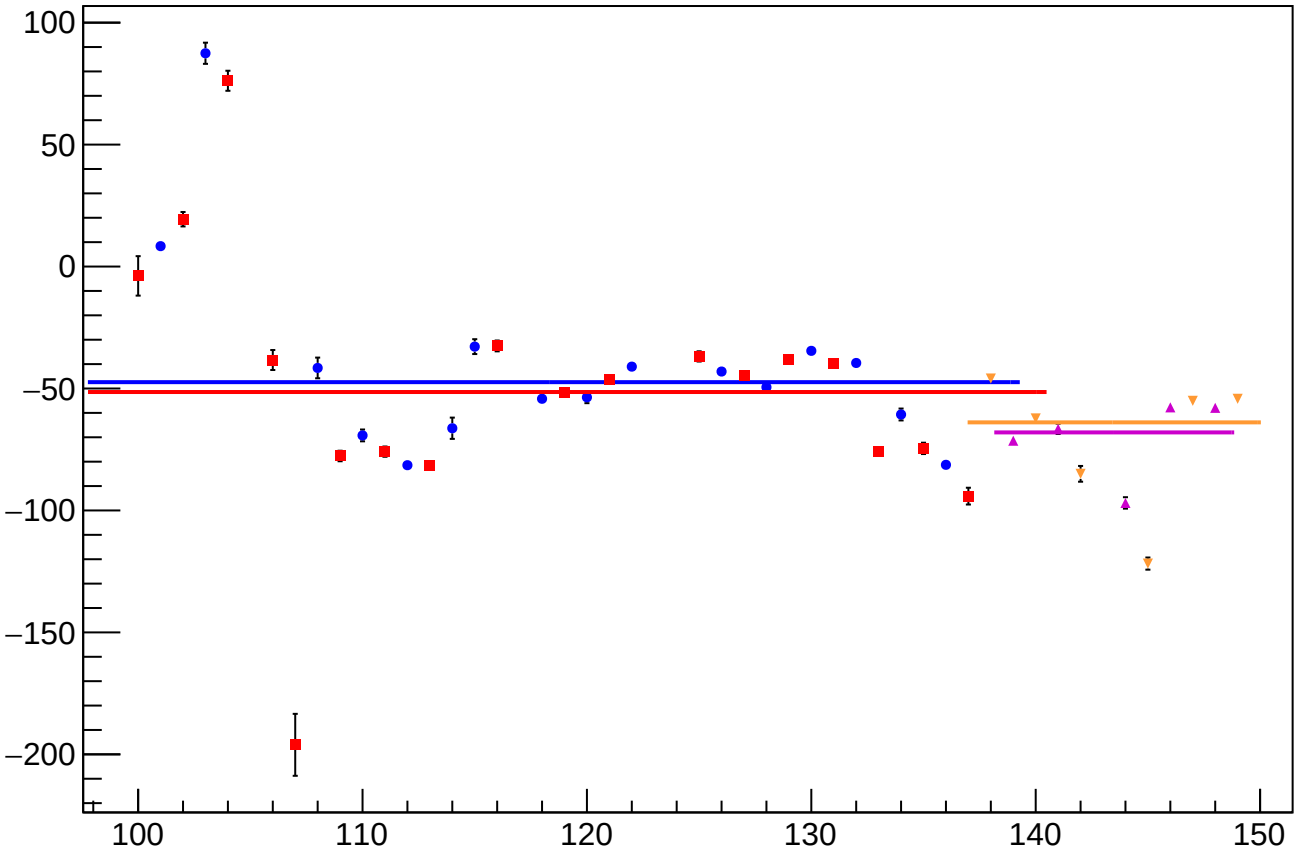
Left: 6.597+/-0.019 χ^2/NDF: 316708.7/11

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.138+/-0.021 χ^2/NDF:410955.3/20

Out: 3.133+/-0.021 χ^2/NDF:638142.1/25

All: 4.124+/-0.015 χ^2/NDF: 1053519.1/46



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -63.887+/-0.840 χ^2/NDF:733.0/5

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -68.004+/-0.877 χ^2/NDF:217.2/4

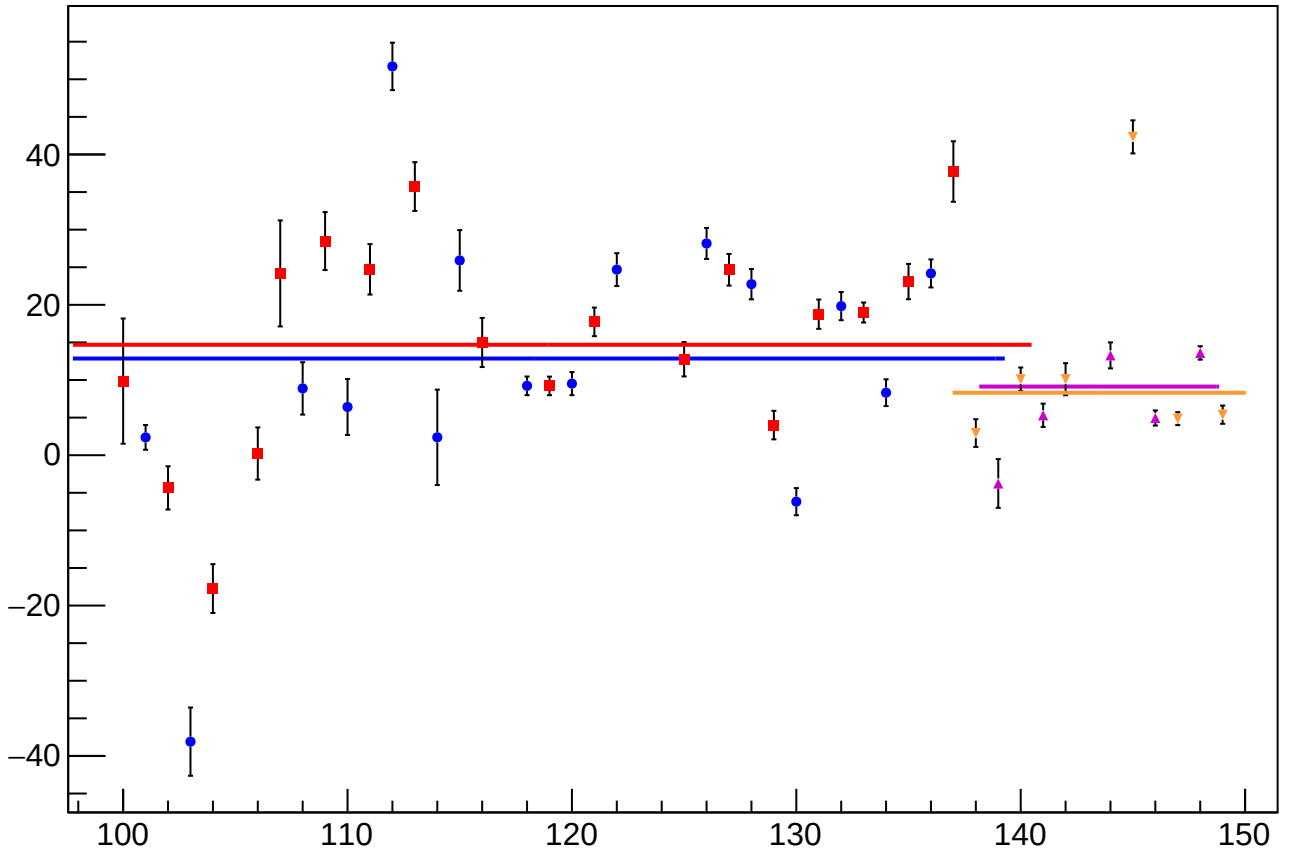
Left: -65.855+/-0.607 χ^2/NDF: 961.7/10

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.984+/-0.457 χ^2/NDF:3388.2/20

Out: -55.133+/-0.457 χ^2/NDF:3760.3/23

All: -54.057+/-0.323 χ^2/NDF: 7159.5/44



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 8.307+/-0.564 χ^2/NDF:271.6/5

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 9.128+/-0.569 χ^2/NDF:70.0/4

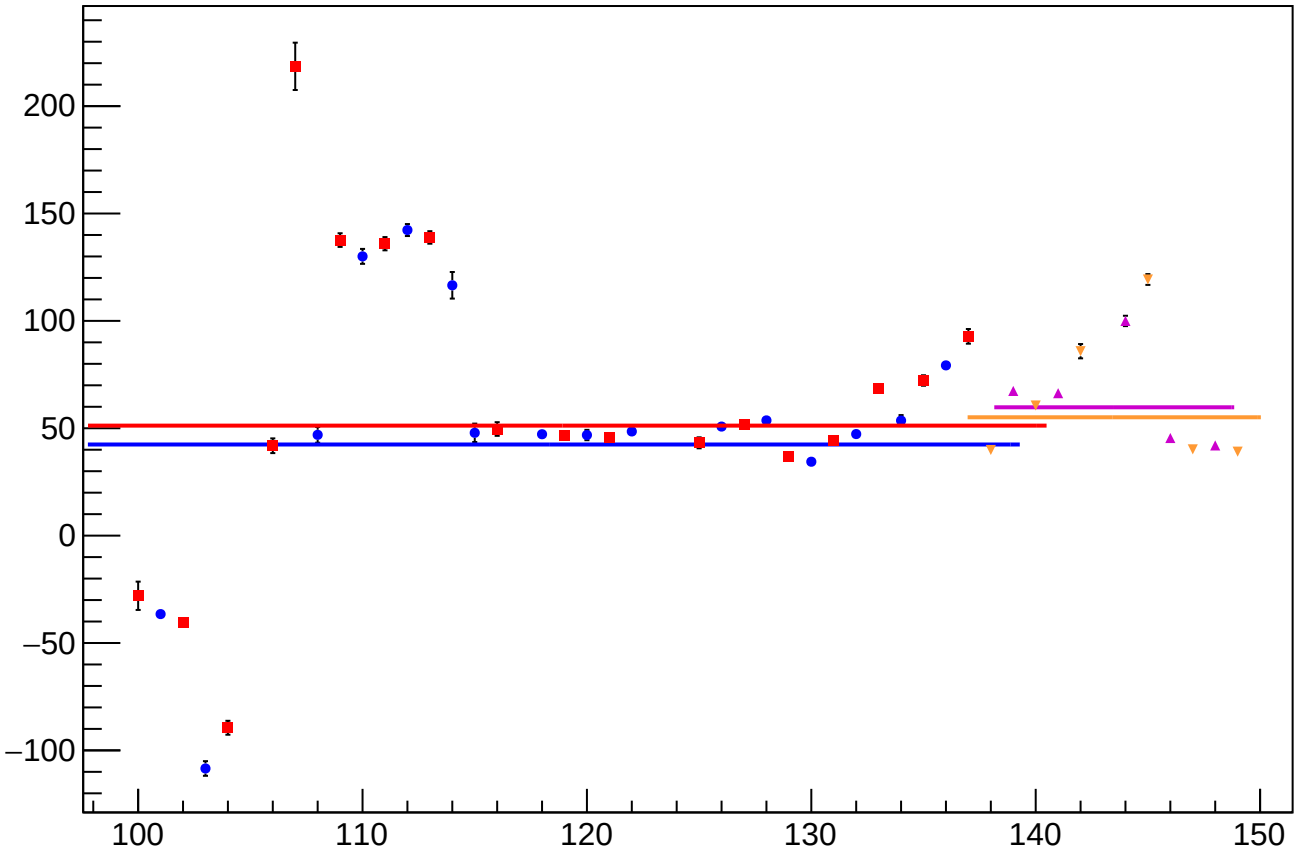
Left: 8.714+/-0.401 χ^2/NDF: 342.6/10

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 11.168+/-0.383 χ^2/NDF:718.9/20

Out: 11.611+/-0.392 χ^2/NDF:702.1/23

All: 11.385+/-0.274 χ^2/NDF: 1421.7/44



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 55.110+/-0.830 χ^2/NDF:964.0/5

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 59.761+/-0.870 χ^2/NDF:472.6/4

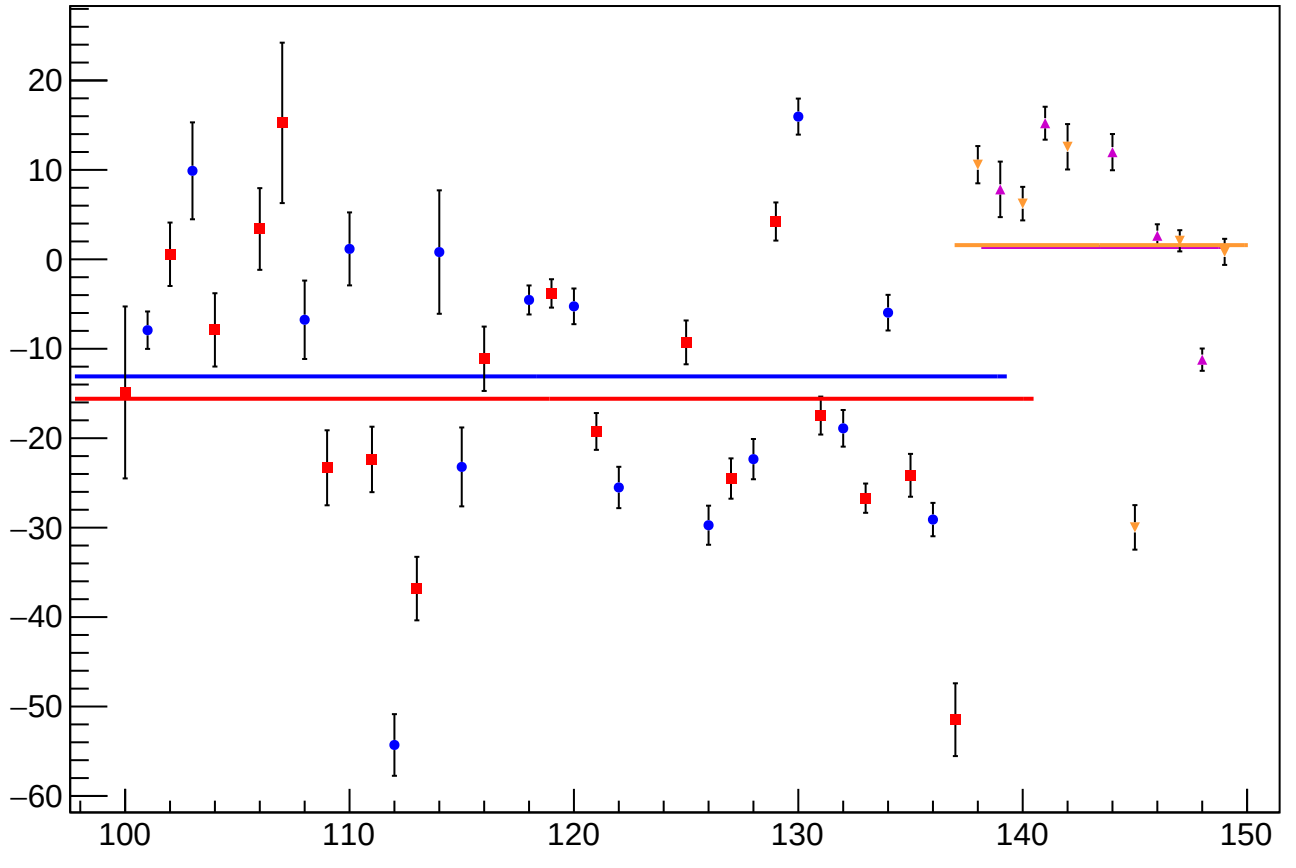
Left: 57.326+/-0.601 χ^2/NDF: 1451.6/10

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 47.819+/-0.485 χ^2/NDF:7914.6/20

Out: 52.601+/-0.494 χ^2/NDF:7589.5/23

All: 50.166+/-0.346 χ^2/NDF: 15551.8/44



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.587+/-0.705 χ^2/NDF:204.7/5

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: 1.486+/-0.506 χ^2/NDF: 396.0/10

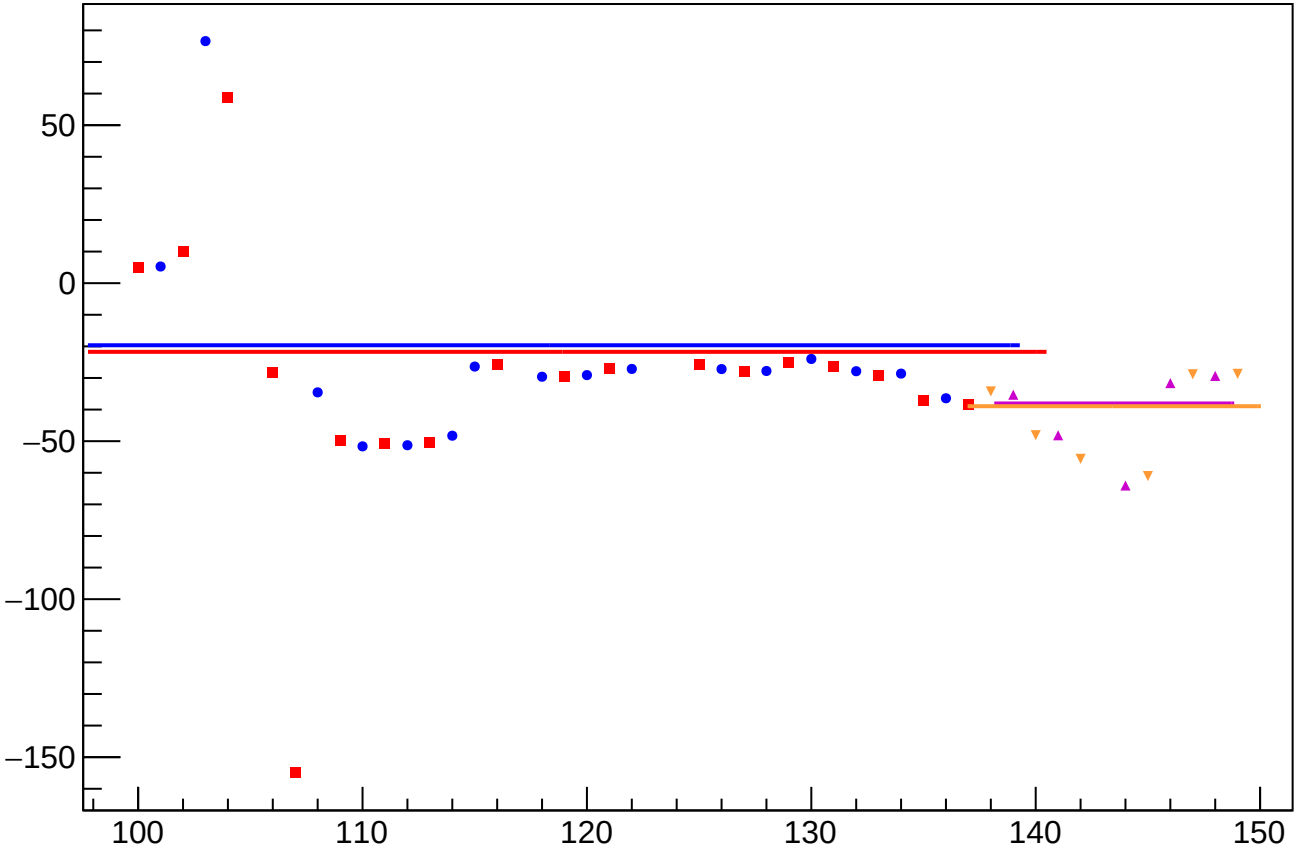
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -7.225+/-0.462 χ^2/NDF:1067.1/20

Out: -8.001+/-0.468 χ^2/NDF:938.2/23

All: -7.608+/-0.329 χ^2/NDF: 2006.7/44

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: -38.938+/-0.035 χ^2/NDF:115697.9/5

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -38.069+/-0.035 χ^2/NDF:94381.7/4

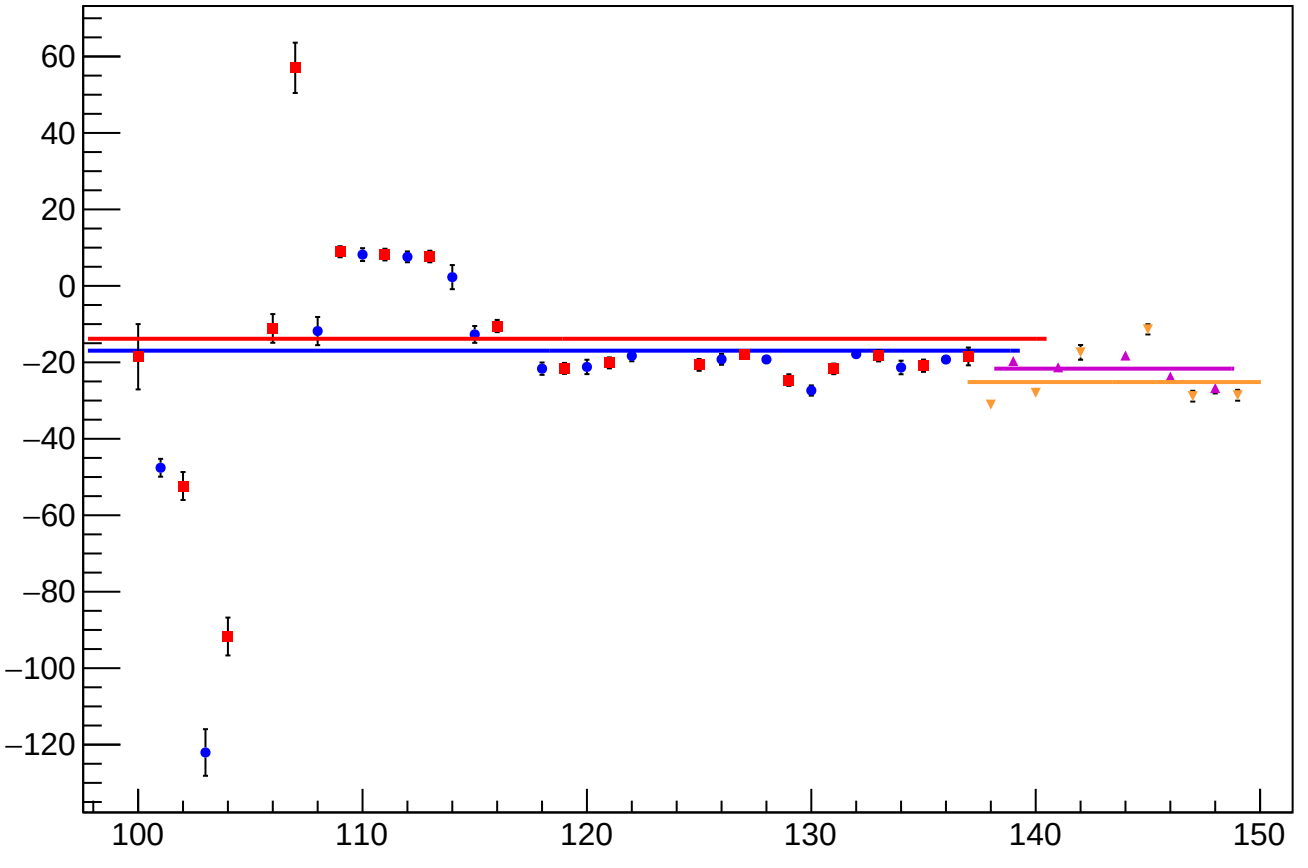
Left: -38.506+/-0.025 χ^2/NDF: 210387.5/10

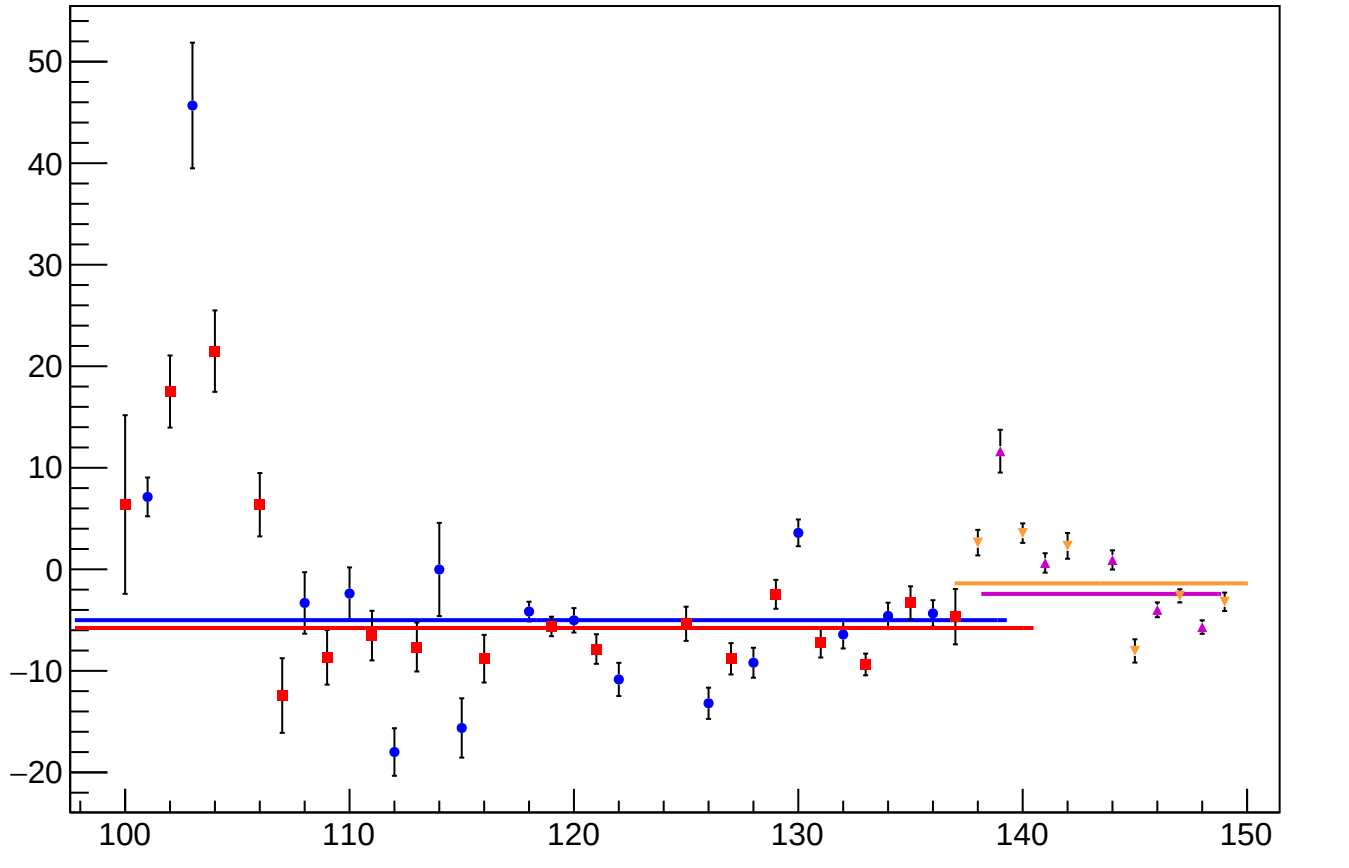
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

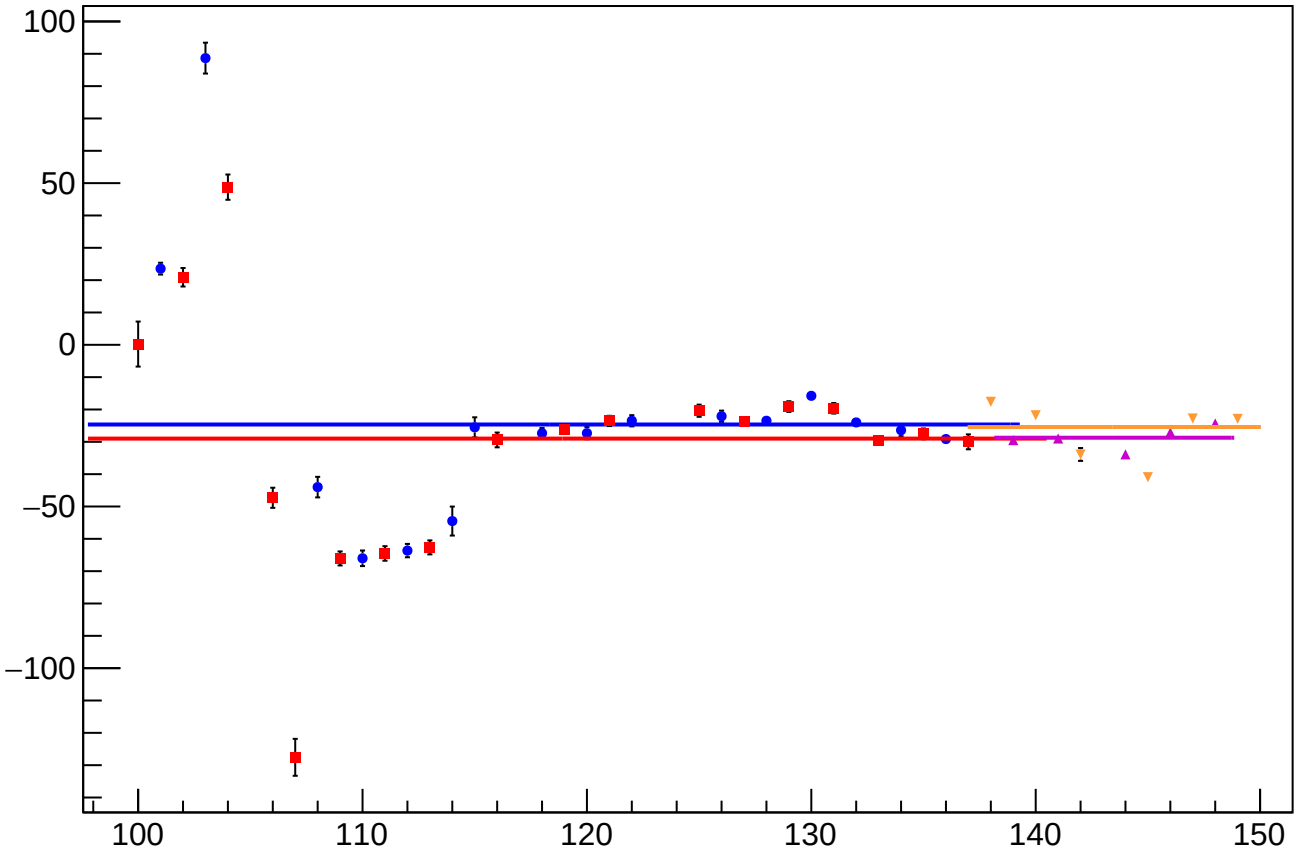
In: -29.125+/-0.025 χ^2/NDF:875278.7/20

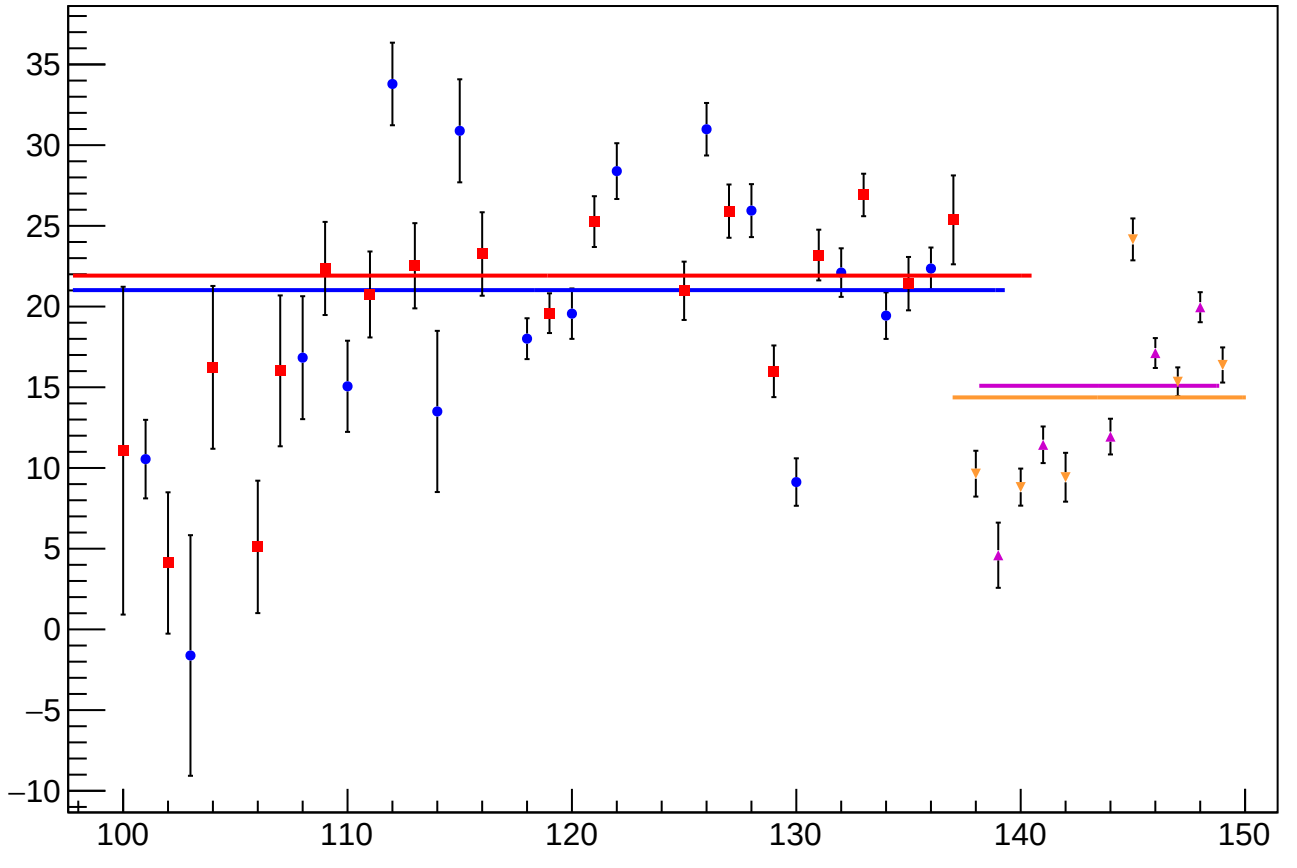
Out: -31.266+/-0.026 χ^2/NDF:770868.7/23

All: -30.162+/-0.018 χ^2/NDF: 1649654.0/44


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -25.154+/-0.552 χ²/NDF:165.8/5
Right Out: -13.837+/-0.409 χ²/NDF: 1333.2/17
Left In: -21.651+/-0.573 χ²/NDF:25.6/4
Left: -23.469+/-0.398 χ²/NDF: 210.8/10
Right: -15.414+/-0.287 χ²/NDF: 2490.7/33
In: -18.509+/-0.330 χ²/NDF:1198.8/20
Out: -17.850+/-0.329 χ²/NDF:1770.2/23
All: -18.178+/-0.233 χ²/NDF: 2971.0/44


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -5.006+/-0.401 χ²/NDF: 247.8/15
Left Out: -1.384+/-0.387 χ²/NDF:86.5/5
Right Out: -5.779+/-0.419 χ²/NDF: 139.3/17
Left In: -2.422+/-0.391 χ²/NDF:95.7/4
Left: -1.898+/-0.275 χ²/NDF: 185.8/10
Right: -5.375+/-0.290 χ²/NDF: 388.9/33
In: -3.679+/-0.280 χ²/NDF:364.8/20
Out: -3.405+/-0.284 χ²/NDF:285.2/23
All: -3.544+/-0.200 χ²/NDF: 650.4/44


reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -24.641+/-0.455 χ²/NDF: 2051.8/15
Left Out: -25.419+/-0.551 χ²/NDF:203.9/5
Right Out: -29.002+/-0.475 χ²/NDF: 1952.3/17
Left In: -28.731+/-0.573 χ²/NDF:28.6/4
Left: -27.010+/-0.397 χ²/NDF: 249.8/10
Right: -26.727+/-0.329 χ²/NDF: 4048.0/33
In: -26.221+/-0.356 χ²/NDF:2111.7/20
Out: -27.474+/-0.360 χ²/NDF:2180.4/23
All: -26.842+/-0.253 χ²/NDF: 4298.2/44



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.372+/-0.477 χ^2/NDF:106.6/5

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.092+/-0.490 χ^2/NDF:77.7/4

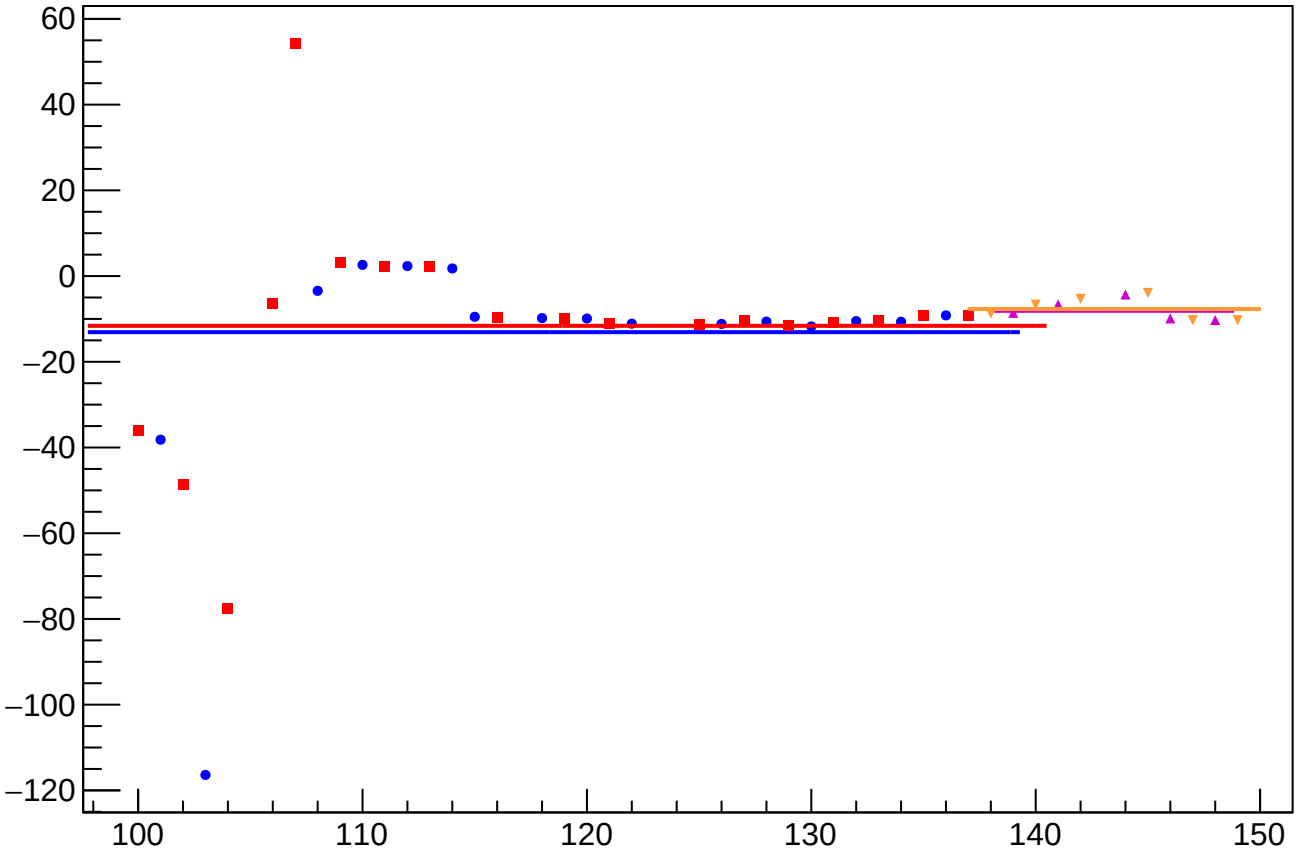
Left: 14.722+/-0.342 χ^2/NDF: 185.4/10

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.257+/-0.335 χ^2/NDF:365.3/20

Out: 18.137+/-0.338 χ^2/NDF:313.8/23

All: 18.197+/-0.238 χ^2/NDF: 679.1/44



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -7.690+/-0.023 χ^2/NDF:10709.7/5

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -8.111+/-0.023 χ^2/NDF:7827.8/4

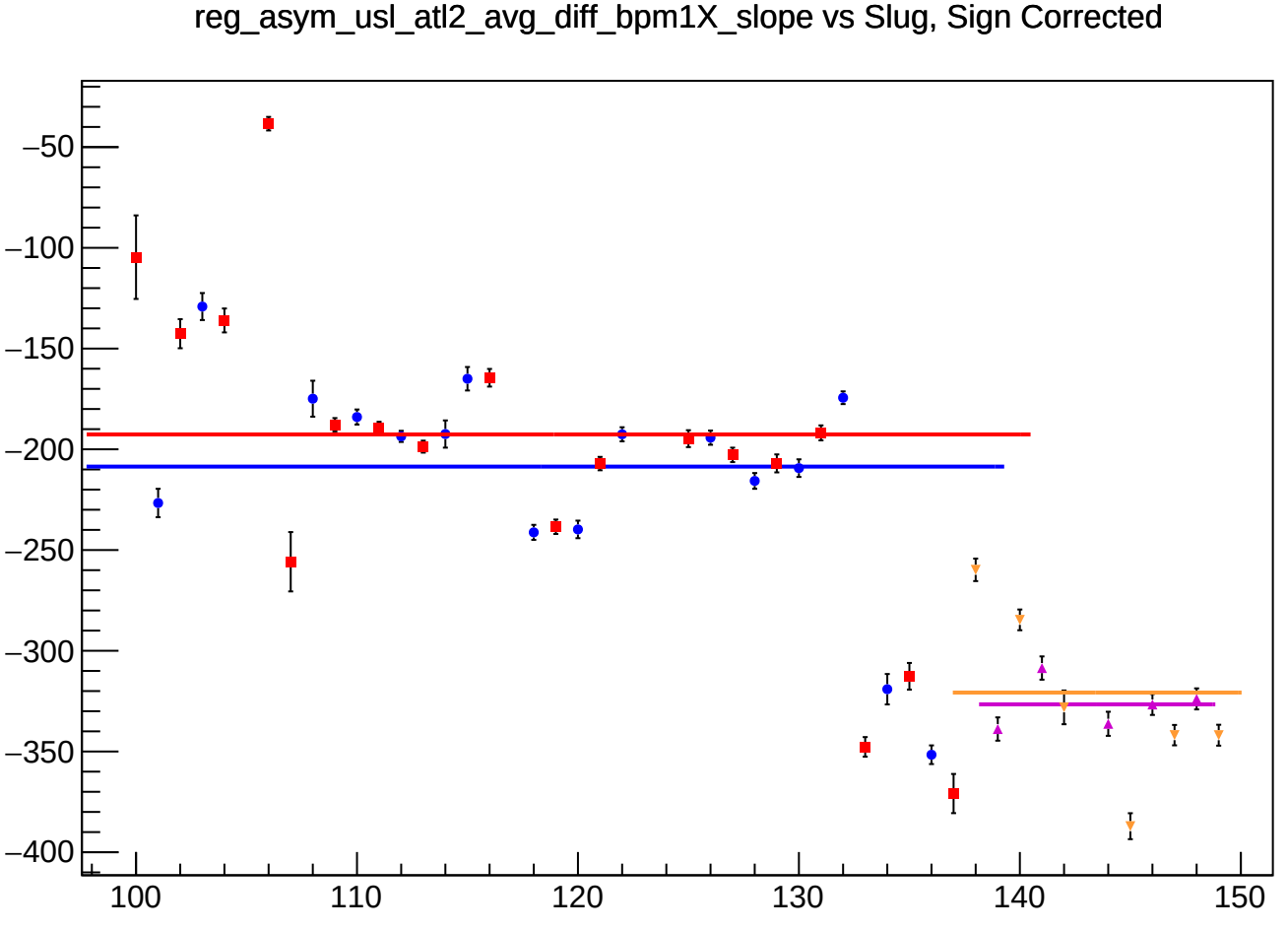
Left: -7.899+/-0.016 χ^2/NDF: 18703.8/10

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.099+/-0.018 χ^2/NDF:371181.0/20

Out: -9.088+/-0.018 χ^2/NDF:335253.4/23

All: -9.607+/-0.013 χ^2/NDF: 707975.7/44



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -320.739+/-2.329 χ^2/NDF:309.1/5

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: -323.471+/-1.700 χ^2/NDF: 329.1/10

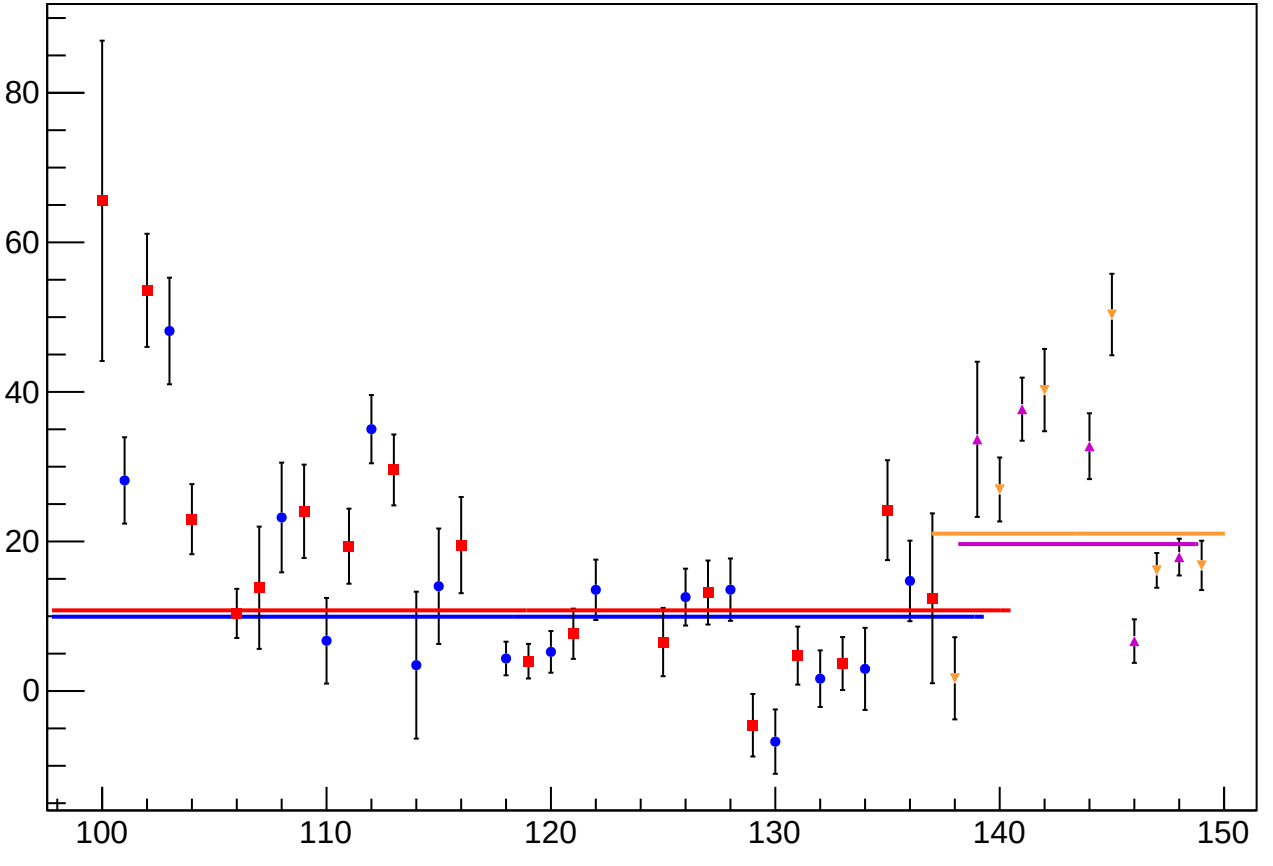
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -226.906+/-0.980 χ^2/NDF:3668.9/20

Out: -212.521+/-0.918 χ^2/NDF:7072.2/23

All: -219.243+/-0.670 χ^2/NDF: 10855.8/44

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 21.053+/-1.522 χ^2/NDF:61.5/5

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: 20.379+/-1.096 χ^2/NDF: 111.3/10

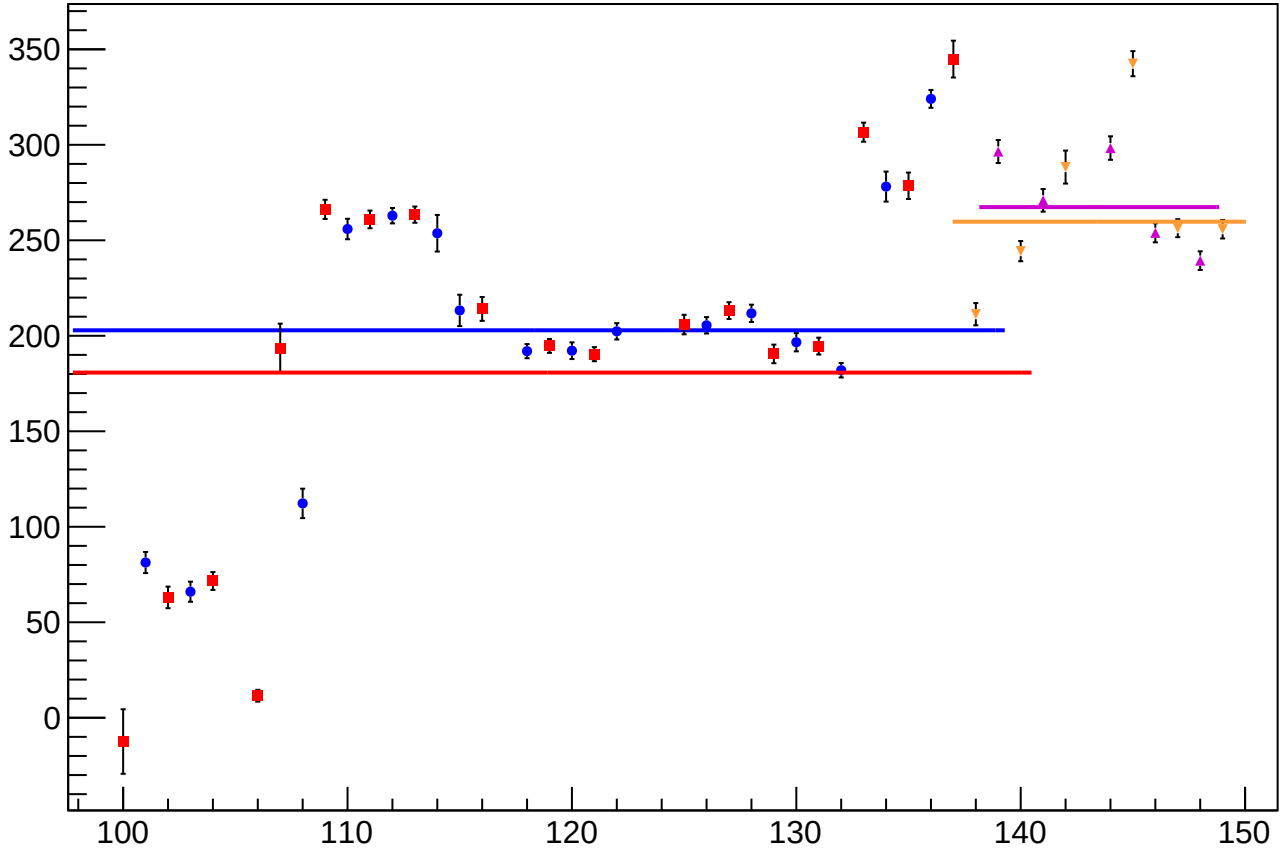
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.976+/-0.883 χ^2/NDF:181.9/20

Out: 14.070+/-0.861 χ^2/NDF:197.5/23

All: 13.537+/-0.616 χ^2/NDF: 380.2/44

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: 259.743+/-2.299 χ^2/NDF:248.2/5

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: 263.298+/-1.681 χ^2/NDF: 342.5/10

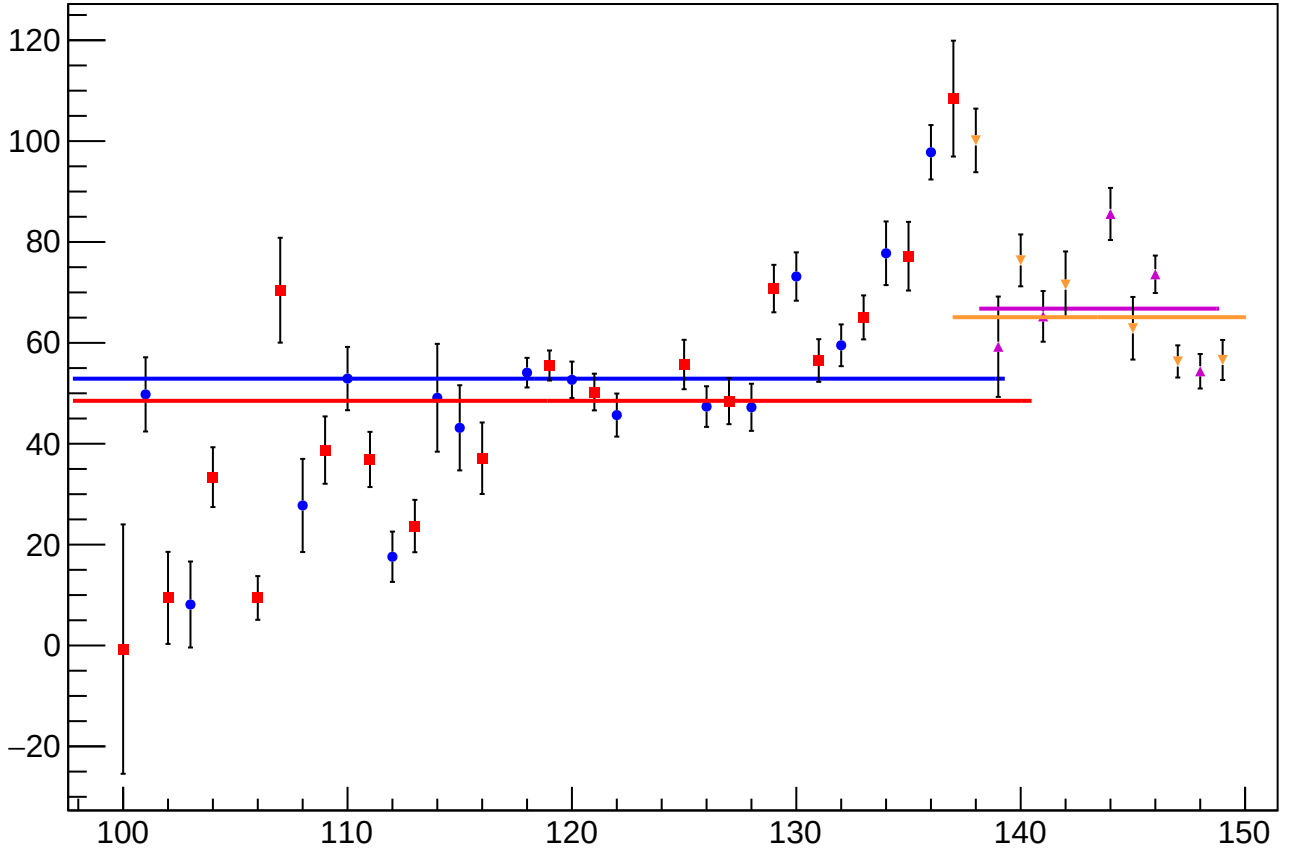
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 215.670+/-1.097 χ^2/NDF:3102.9/20

Out: 196.400+/-1.024 χ^2/NDF:7542.7/23

All: 205.369+/-0.749 χ^2/NDF: 10810.4/44

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 65.089+/-1.911 χ^2/NDF:48.9/5

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: 65.890+/-1.388 χ^2/NDF: 79.8/10

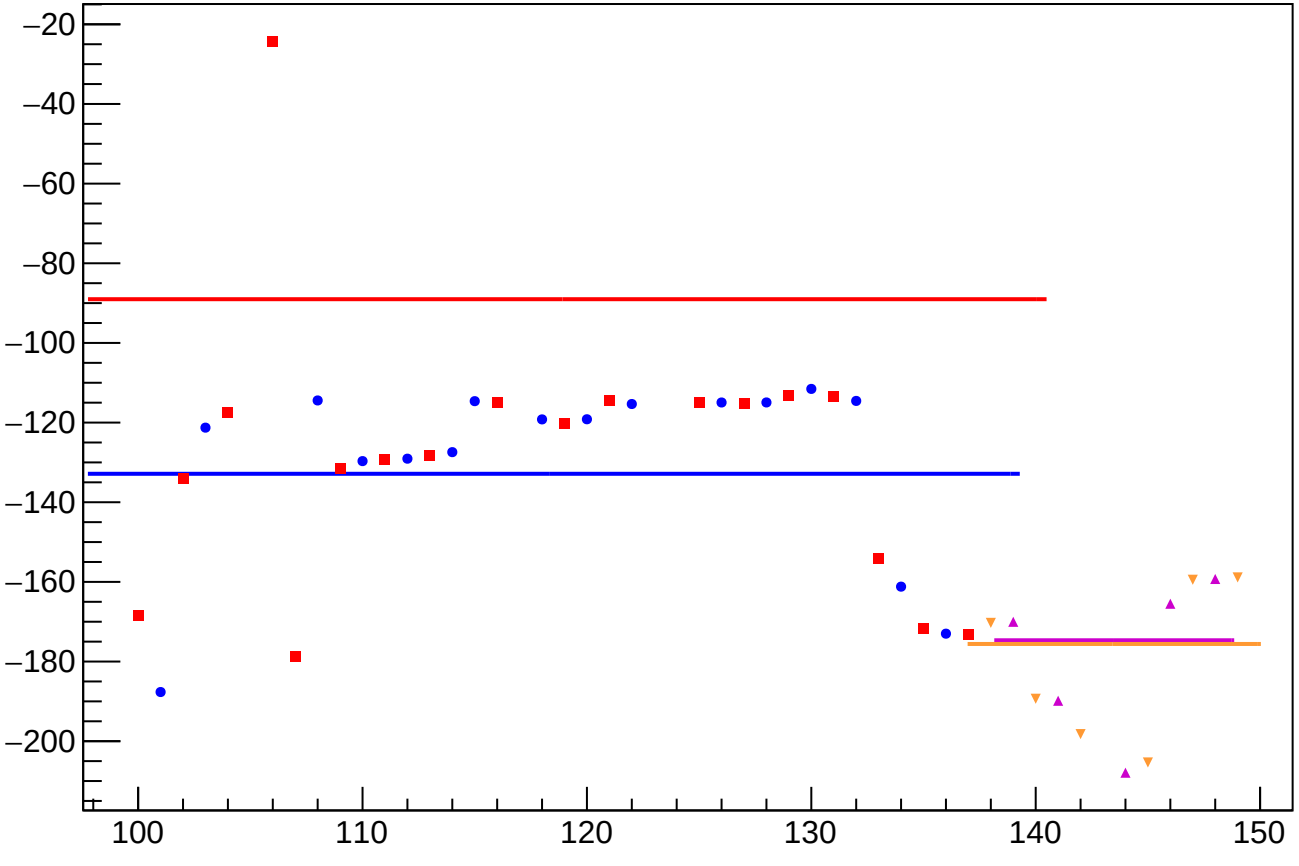
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 56.711+/-1.057 χ^2/NDF:263.1/20

Out: 53.279+/-1.025 χ^2/NDF:342.6/23

All: 54.941+/-0.736 χ^2/NDF: 611.1/44

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: -175.585+/-0.097 χ^2/NDF:33645.7/5

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -174.659+/-0.100 χ^2/NDF:26797.6/4

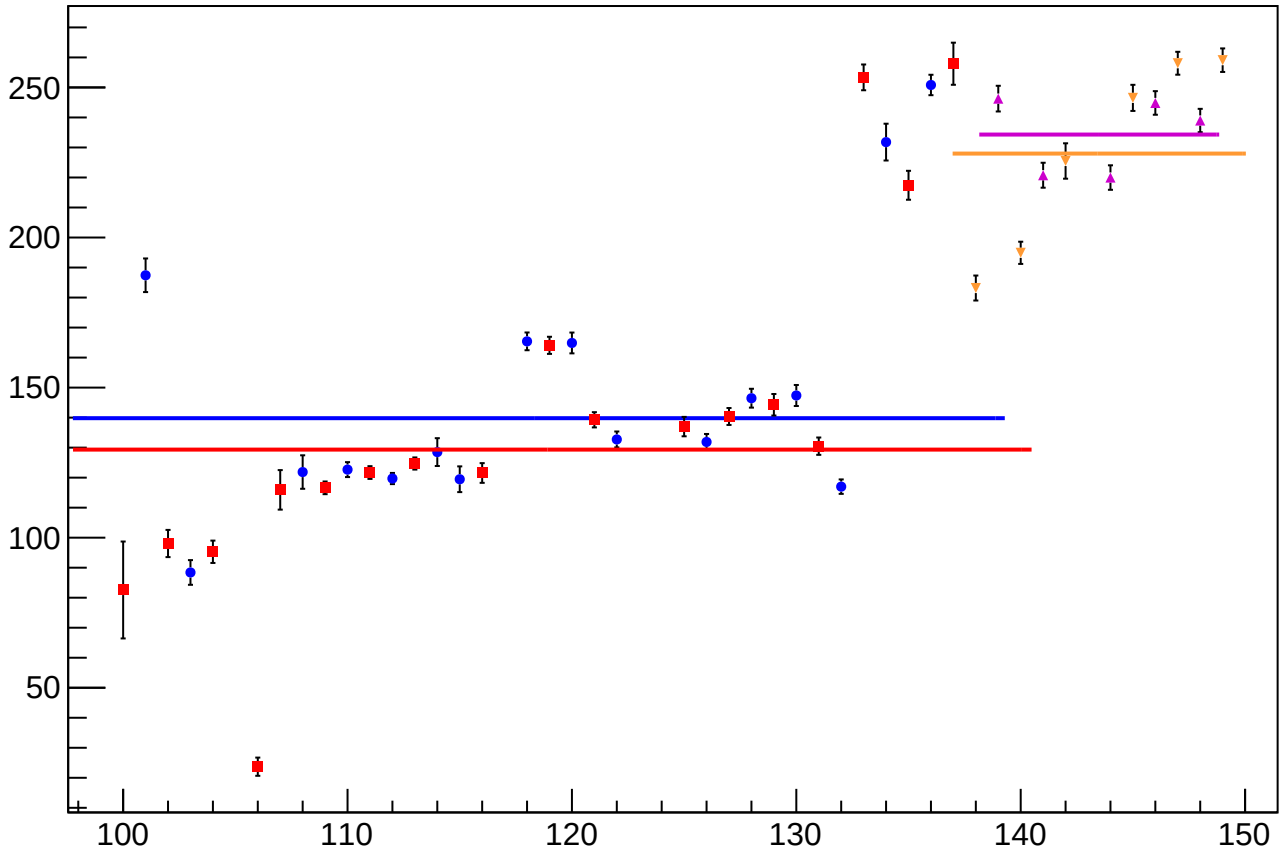
Left: -175.137+/-0.070 χ^2/NDF: 60487.1/10

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -149.419+/-0.063 χ^2/NDF:224914.0/20

Out: -115.256+/-0.054 χ^2/NDF:1313332.1/23

All: -129.535+/-0.041 χ^2/NDF: 1708240.9/44



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.968+/-1.700 χ^2/NDF:339.3/5

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 234.305+/-1.816 χ^2/NDF:39.4/4

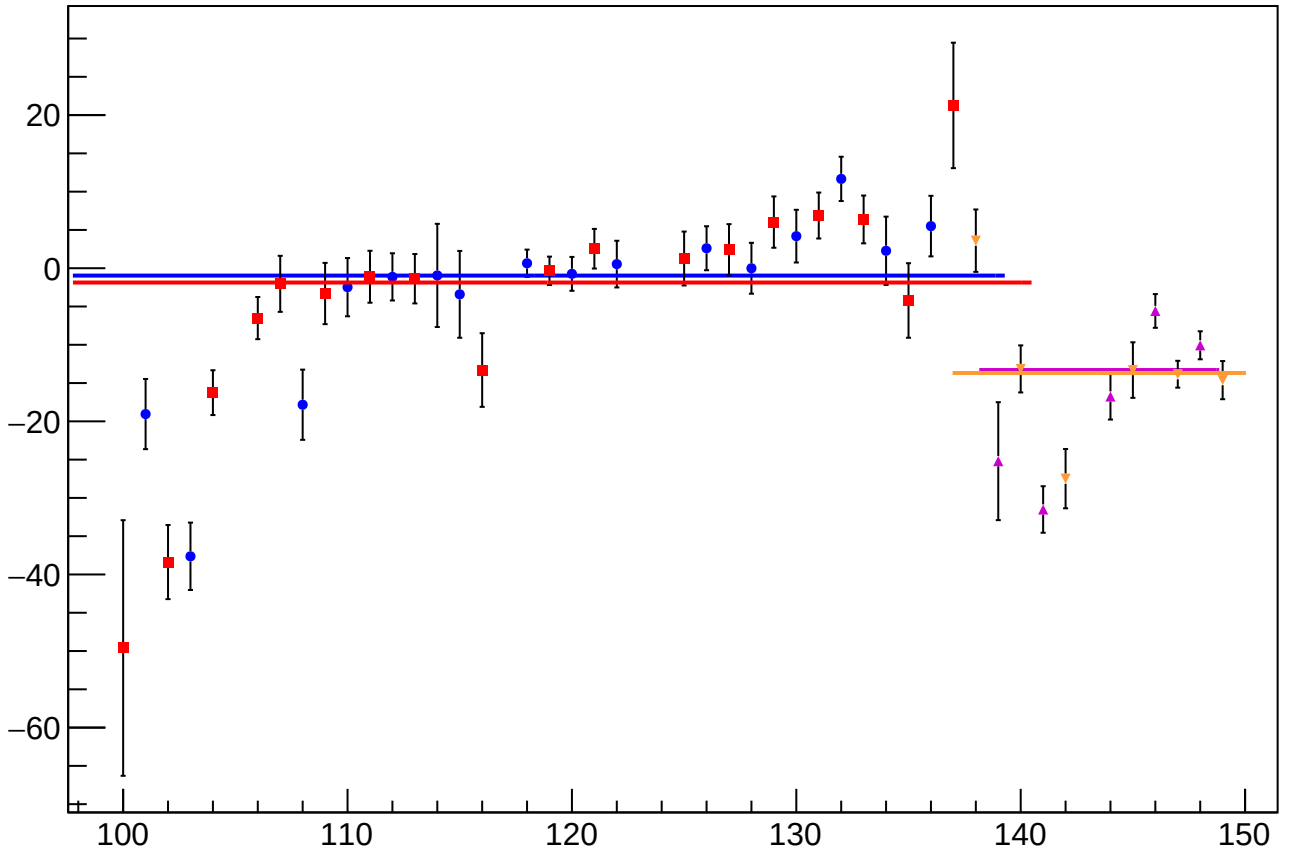
Left: 230.928+/-1.241 χ^2/NDF: 385.1/10

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 154.679+/-0.720 χ^2/NDF:4286.9/20

Out: 144.855+/-0.674 χ^2/NDF:6300.2/23

All: 149.442+/-0.492 χ^2/NDF: 10686.3/44



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -13.682+/-1.121 χ^2/NDF:30.9/5

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -13.298+/-1.162 χ^2/NDF:55.1/4

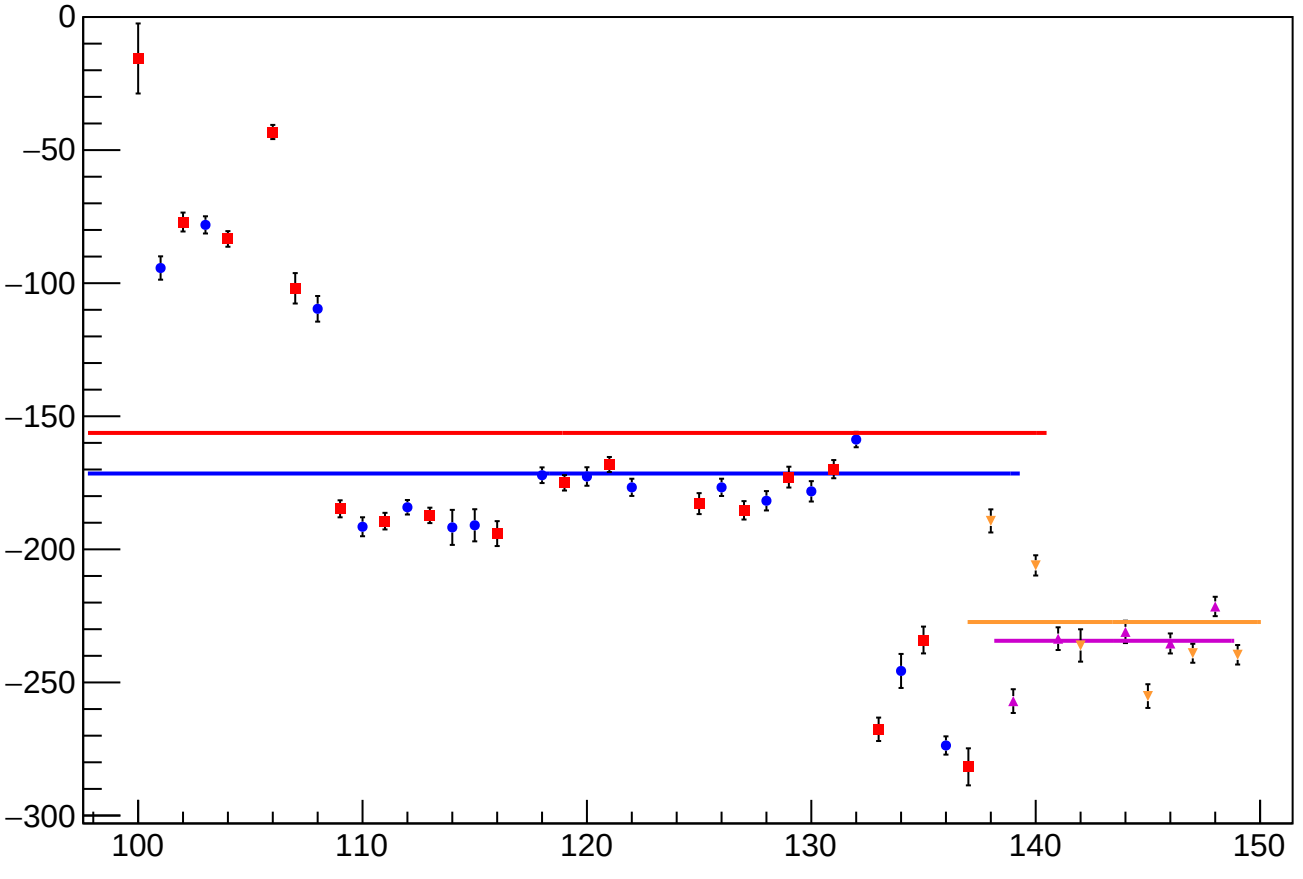
Left: -13.497+/-0.807 χ^2/NDF: 86.0/10

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.984+/-0.664 χ^2/NDF:257.0/20

Out: -5.745+/-0.642 χ^2/NDF:238.6/23

All: -5.377+/-0.462 χ^2/NDF: 496.4/44



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -227.299+/-1.683 χ^2/NDF:171.1/5

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -234.354+/-1.802 χ^2/NDF:39.1/4

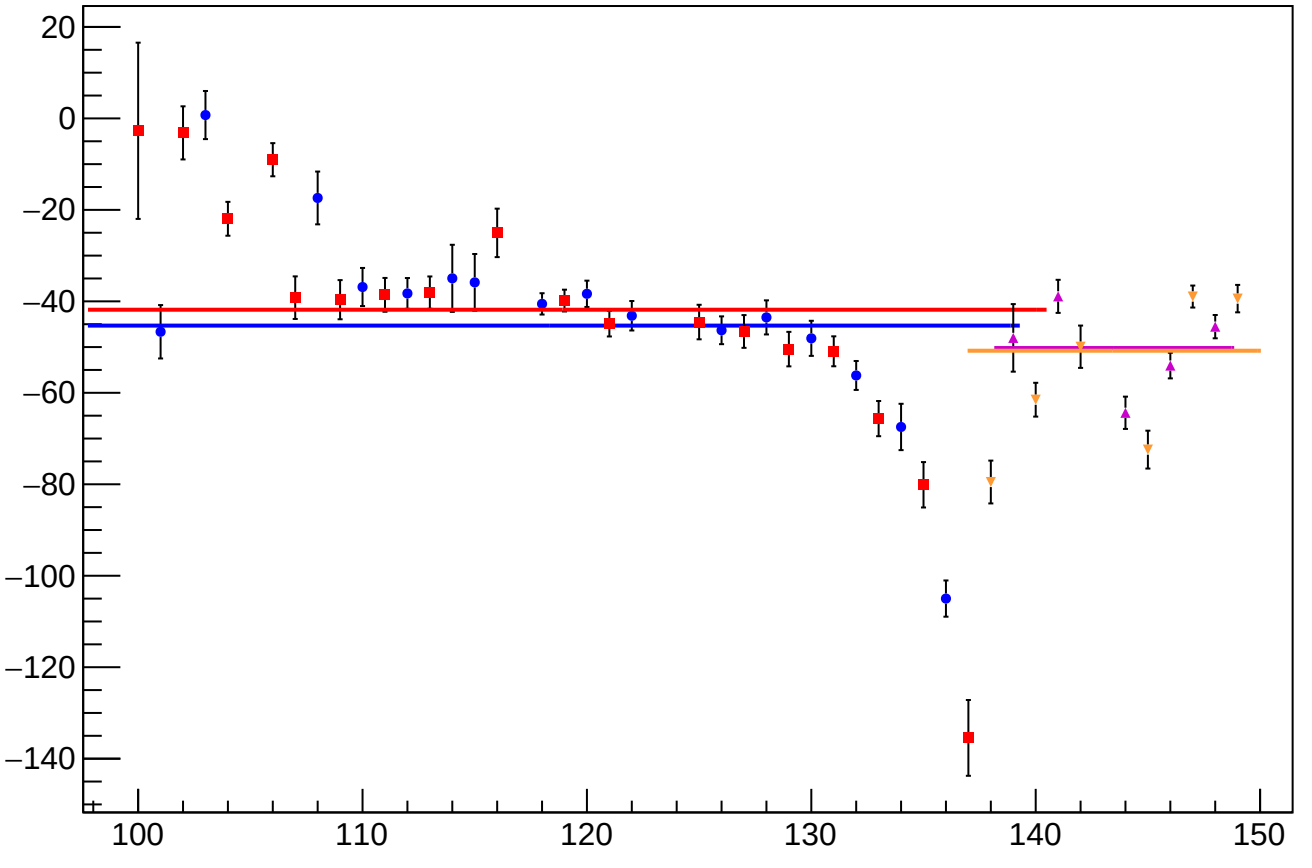
Left: -230.587+/-1.230 χ^2/NDF: 218.4/10

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -184.210+/-0.810 χ^2/NDF:3452.8/20

Out: -170.626+/-0.757 χ^2/NDF:6496.8/23

All: -176.957+/-0.553 χ^2/NDF: 10099.8/44



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -50.795+/-1.403 χ^2/NDF:112.0/5

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: -50.517+/-1.018 χ^2/NDF: 143.3/10

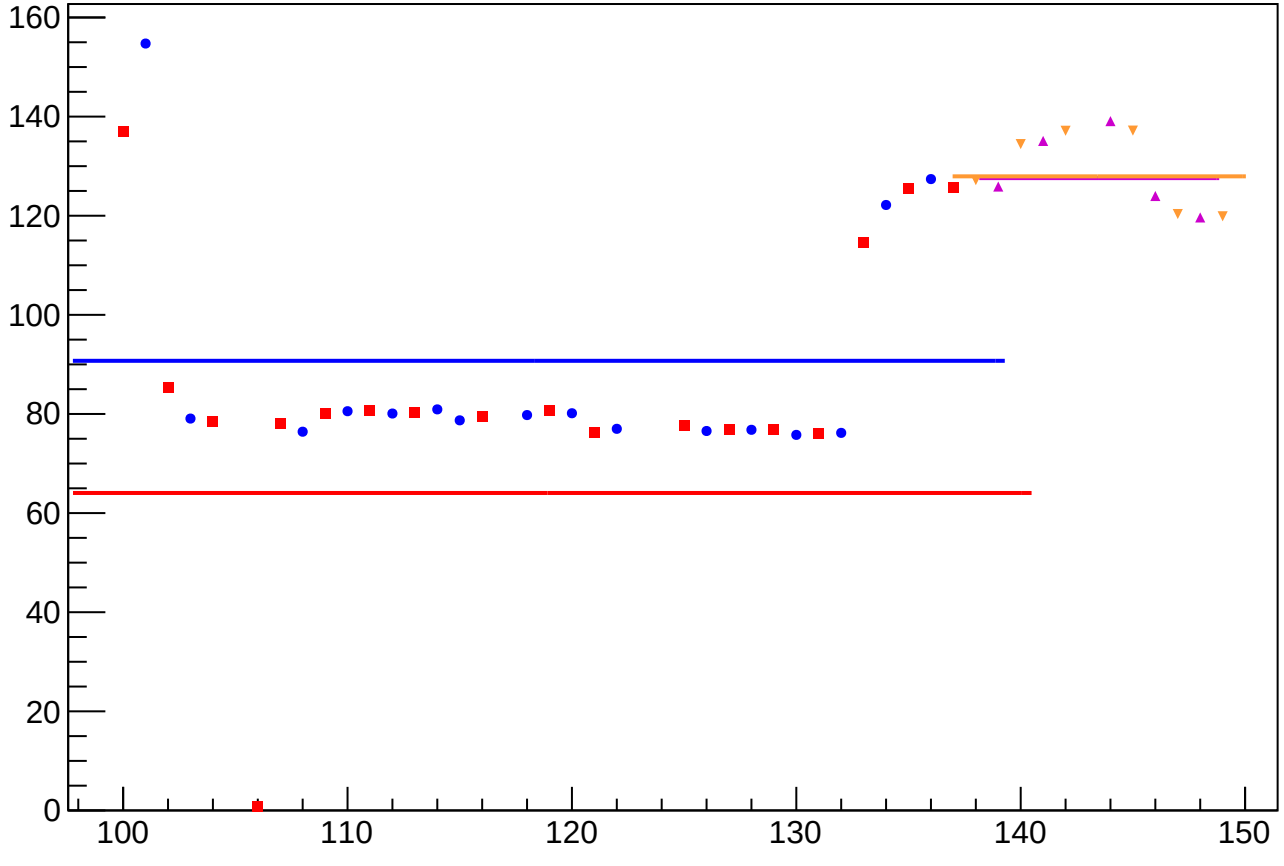
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -46.708+/-0.792 χ^2/NDF:421.1/20

Out: -44.483+/-0.763 χ^2/NDF:555.0/23

All: -45.554+/-0.550 χ^2/NDF: 980.1/44

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: 127.946+/-0.071 χ^2/NDF:10621.6/5

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: 127.774+/-0.051 χ^2/NDF: 19726.6/10

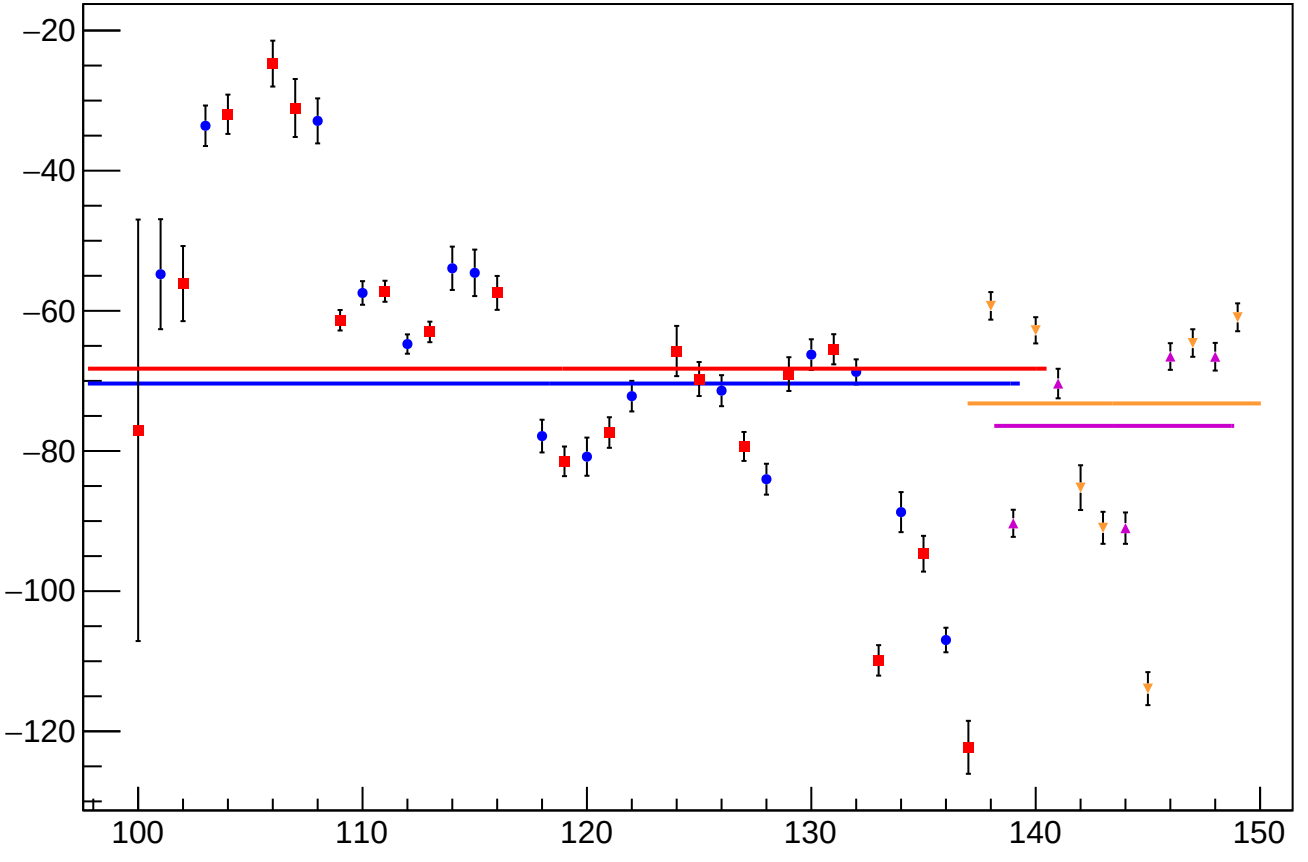
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 104.995+/-0.046 χ^2/NDF:324041.2/20

Out: 84.783+/-0.041 χ^2/NDF:1216398.8/23

All: 93.660+/-0.030 χ^2/NDF: 1649724.7/44

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -73.214+/-0.810 χ^2/NDF:511.6/6

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -76.416+/-0.904 χ^2/NDF:154.4/4

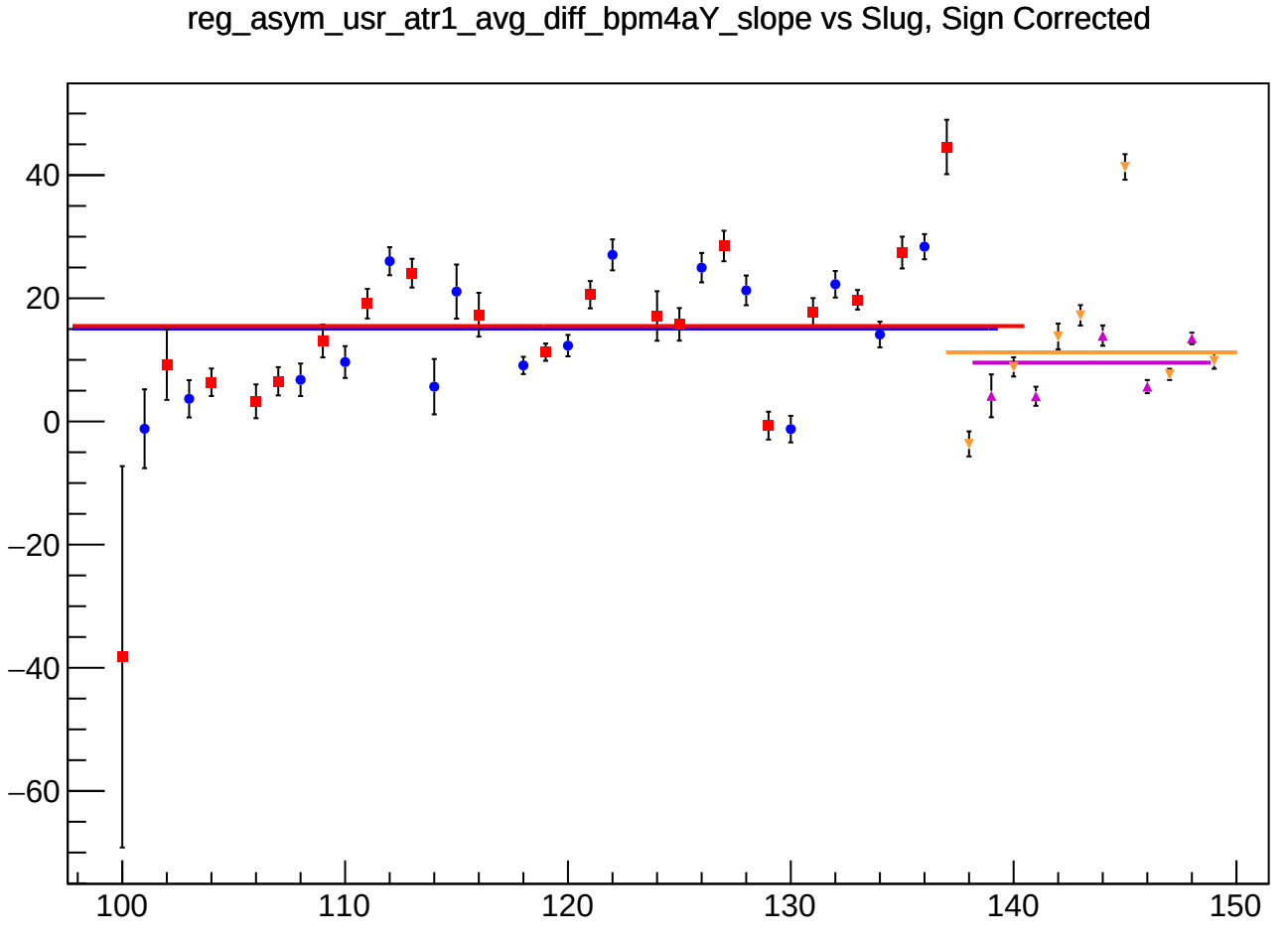
Left: -74.640+/-0.603 χ^2/NDF: 673.0/11

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -72.041+/-0.475 χ^2/NDF:1161.7/20

Out: -69.727+/-0.441 χ^2/NDF:1843.9/25

All: -70.801+/-0.323 χ^2/NDF: 3018.4/46



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 11.226+/-0.549 χ^2/NDF:299.0/6

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: 10.445+/-0.401 χ^2/NDF: 356.2/11

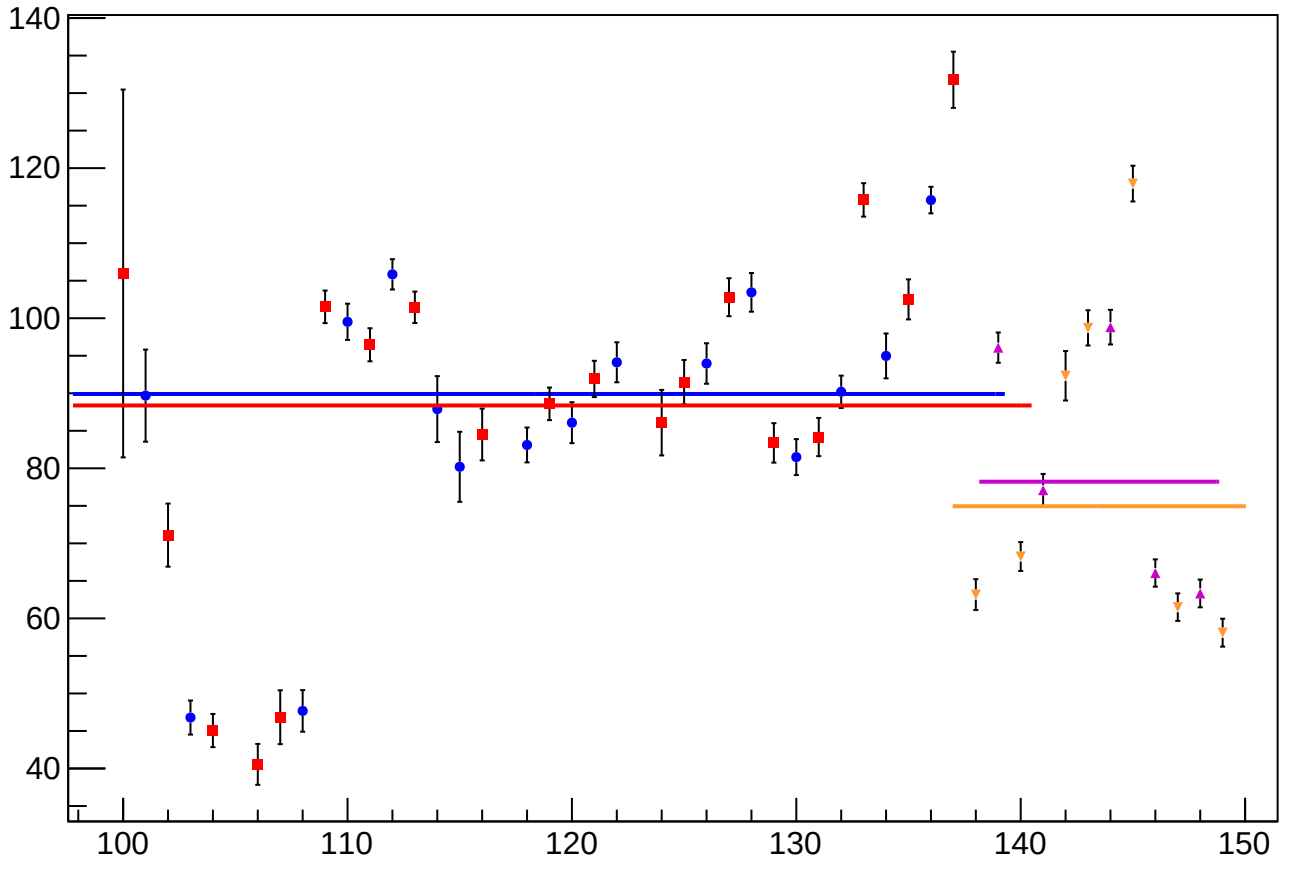
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 12.355+/-0.413 χ^2/NDF:340.2/20

Out: 13.325+/-0.392 χ^2/NDF:567.9/25

All: 12.866+/-0.284 χ^2/NDF: 911.0/46

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 74.949+/-0.805 χ^2/NDF:636.5/6

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: 76.407+/-0.599 χ^2/NDF: 912.0/11

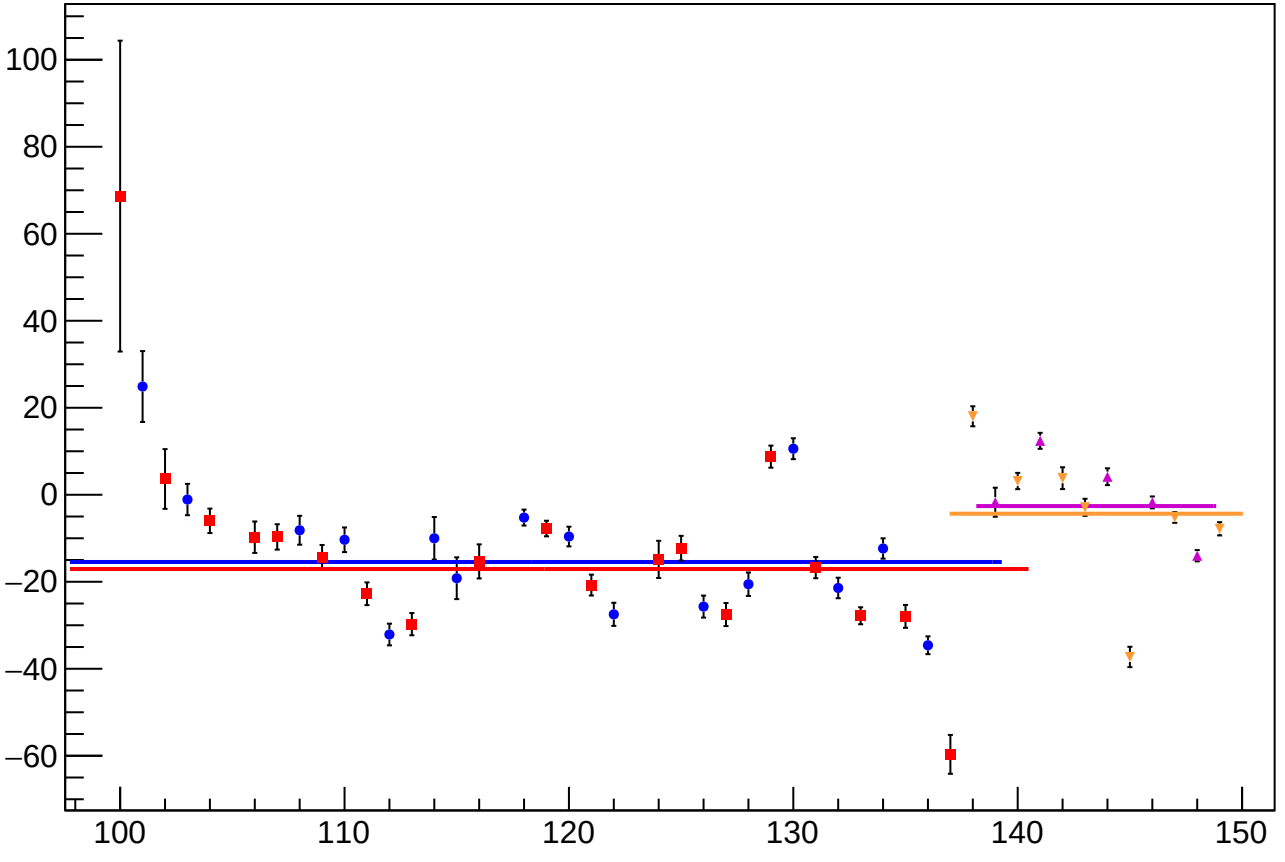
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 85.960+/-0.521 χ^2/NDF:1328.2/20

Out: 83.402+/-0.490 χ^2/NDF:2100.5/25

All: 84.601+/-0.357 χ^2/NDF: 3441.6/46

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -4.354+/-0.681 χ^2/NDF:325.4/6

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.598+/-0.748 χ^2/NDF:156.7/4

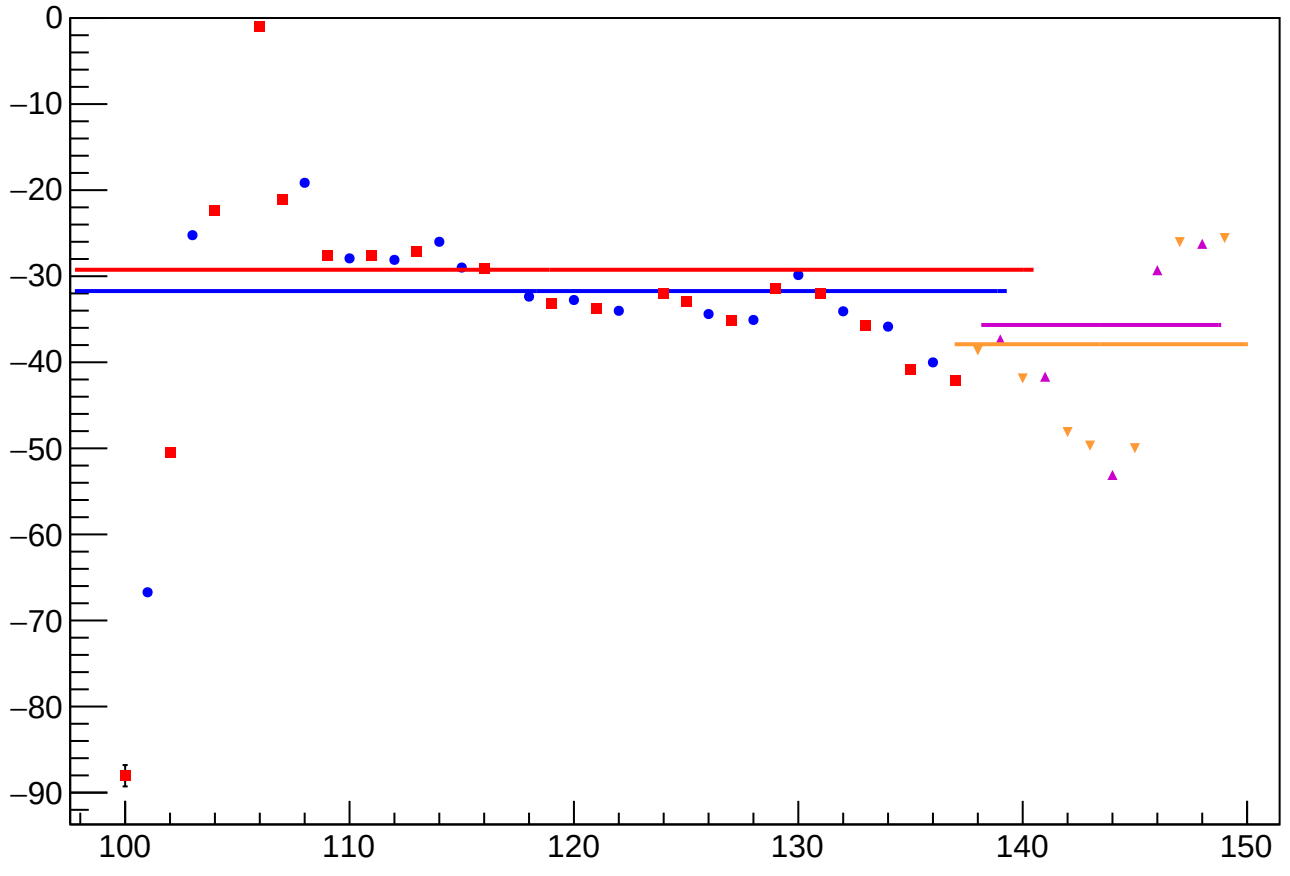
Left: -3.558+/-0.504 χ^2/NDF: 485.2/11

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.774+/-0.497 χ^2/NDF:708.1/20

Out: -11.070+/-0.468 χ^2/NDF:870.4/25

All: -10.462+/-0.341 χ^2/NDF: 1582.1/46



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -37.903+/-0.034 χ^2/NDF:85213.4/6

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -35.665+/-0.036 χ^2/NDF:56196.1/4

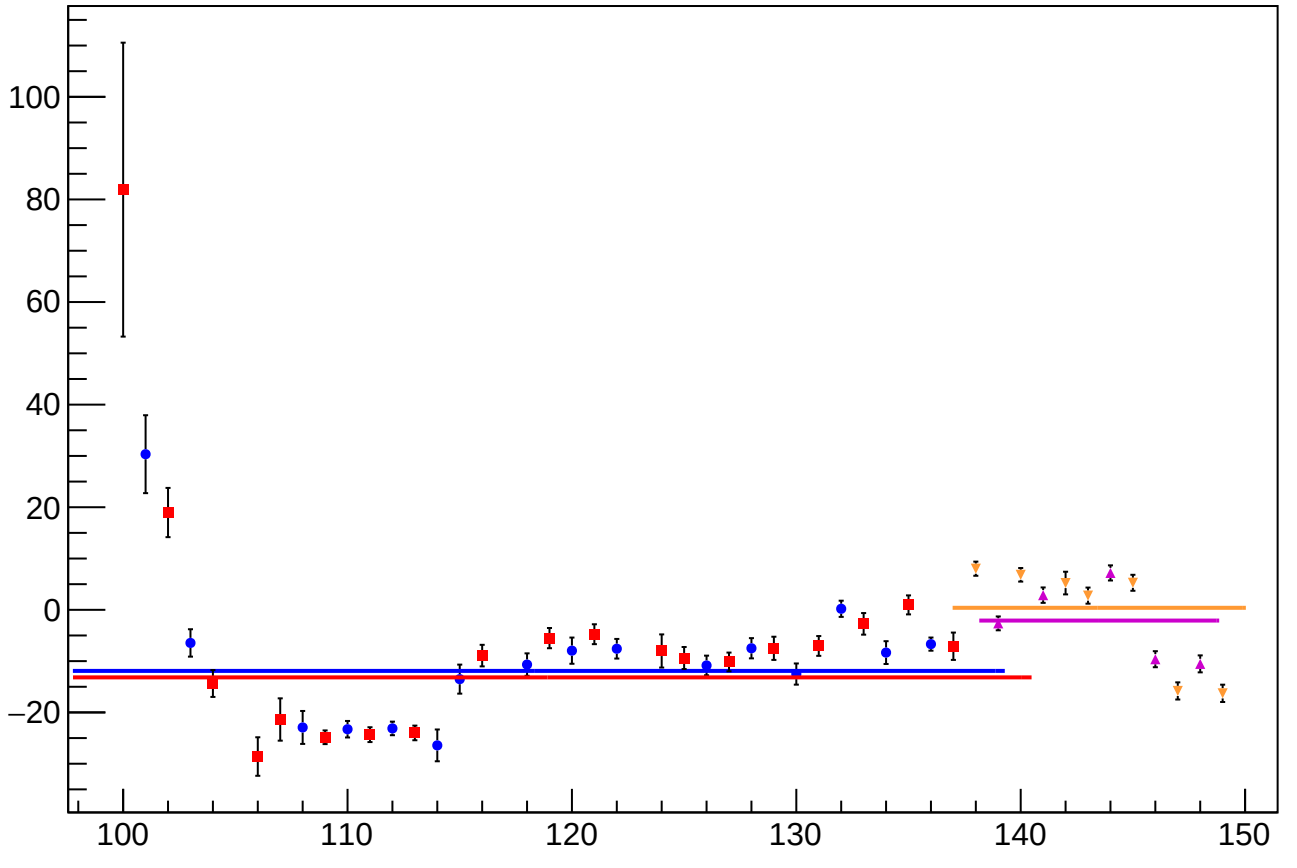
Left: -36.865+/-0.025 χ^2/NDF: 143445.9/11

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -33.810+/-0.026 χ^2/NDF:101370.9/20

Out: -34.130+/-0.025 χ^2/NDF:209052.4/25

All: -33.977+/-0.018 χ^2/NDF: 310499.8/46



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: 0.394+/-0.595 χ^2/NDF:262.4/6

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -2.093+/-0.670 χ^2/NDF:100.0/4

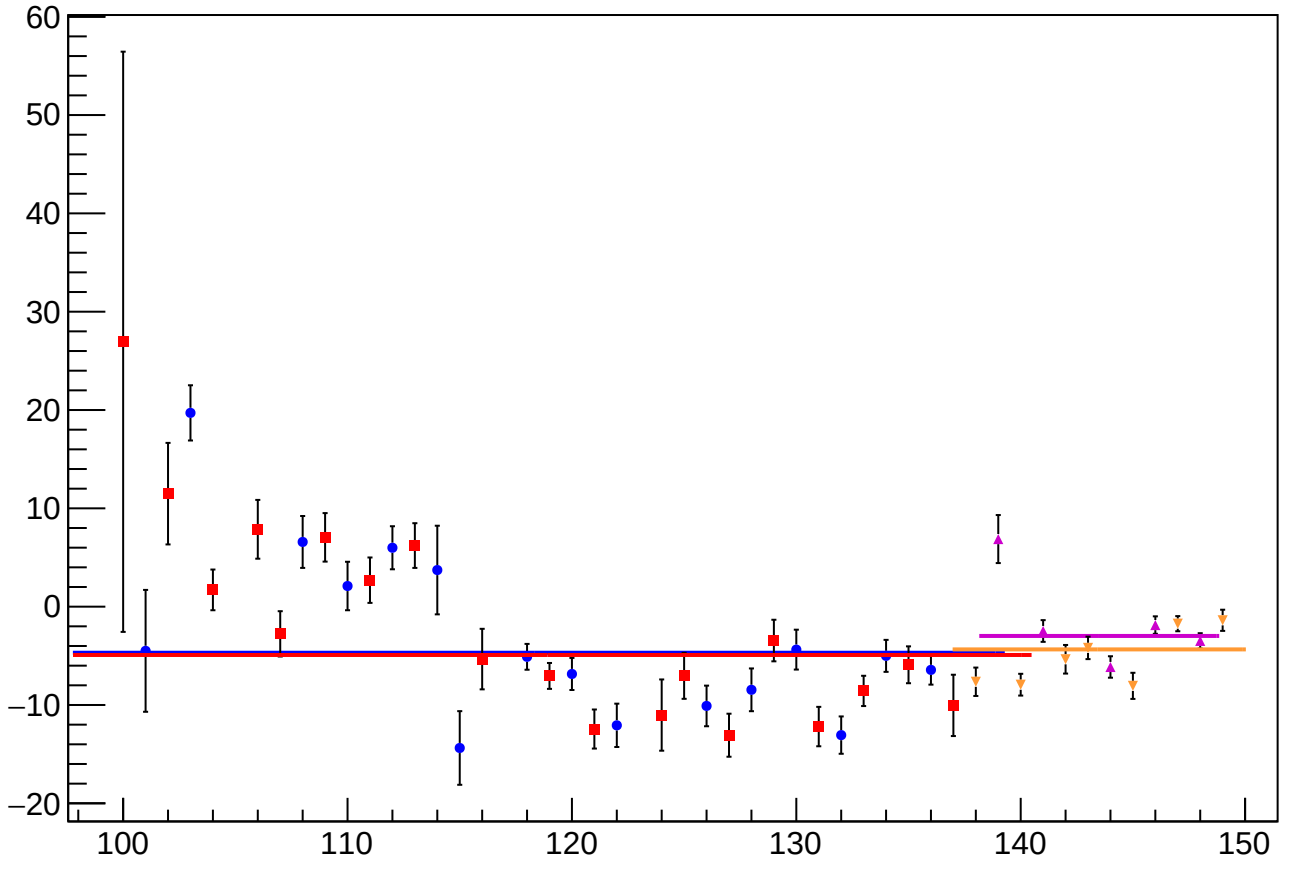
Left: -0.701+/-0.445 χ^2/NDF: 370.1/11

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -8.428+/-0.399 χ^2/NDF:520.4/20

Out: -7.817+/-0.374 χ^2/NDF:998.8/25

All: -8.102+/-0.273 χ^2/NDF: 1520.5/46



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.347+/-0.421 χ^2/NDF:43.1/6

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: -3.723+/-0.310 χ^2/NDF: 74.7/11

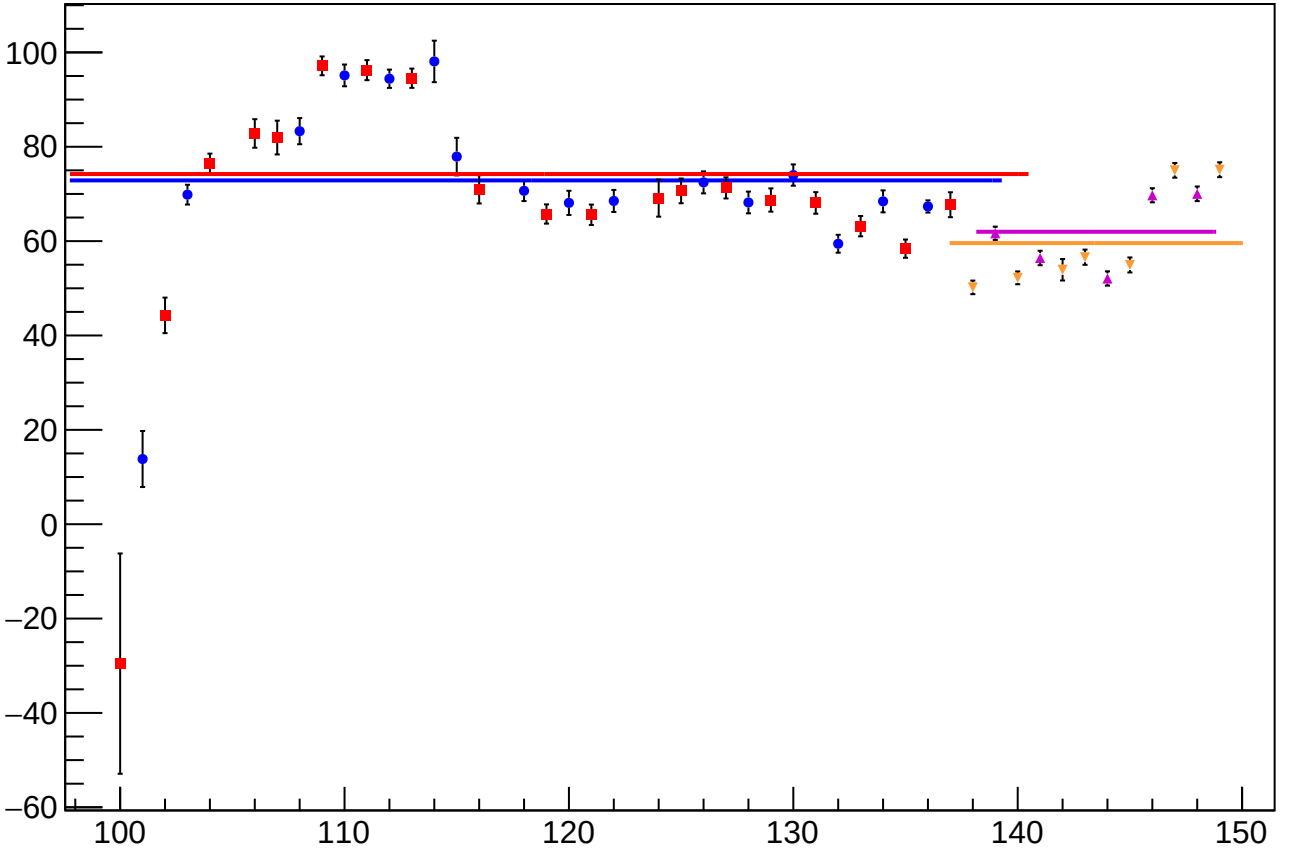
Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.732+/-0.343 χ^2/NDF:212.0/20

Out: -4.575+/-0.325 χ^2/NDF:199.7/25

All: -4.176+/-0.236 χ^2/NDF: 414.8/46

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 59.587+/-0.597 χ^2/NDF:284.6/6

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 61.983+/-0.671 χ^2/NDF:109.3/4

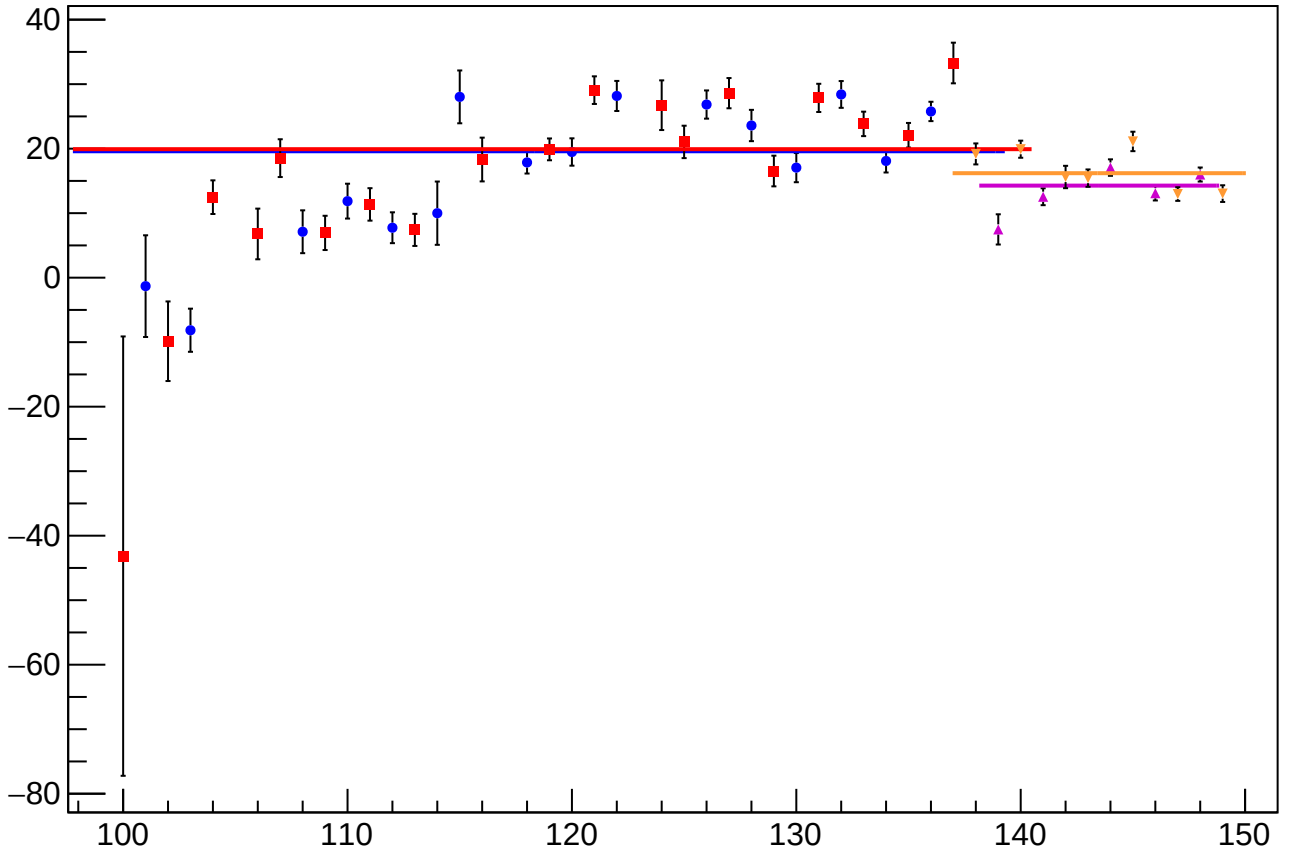
Left: 60.646+/-0.446 χ^2/NDF: 401.0/11

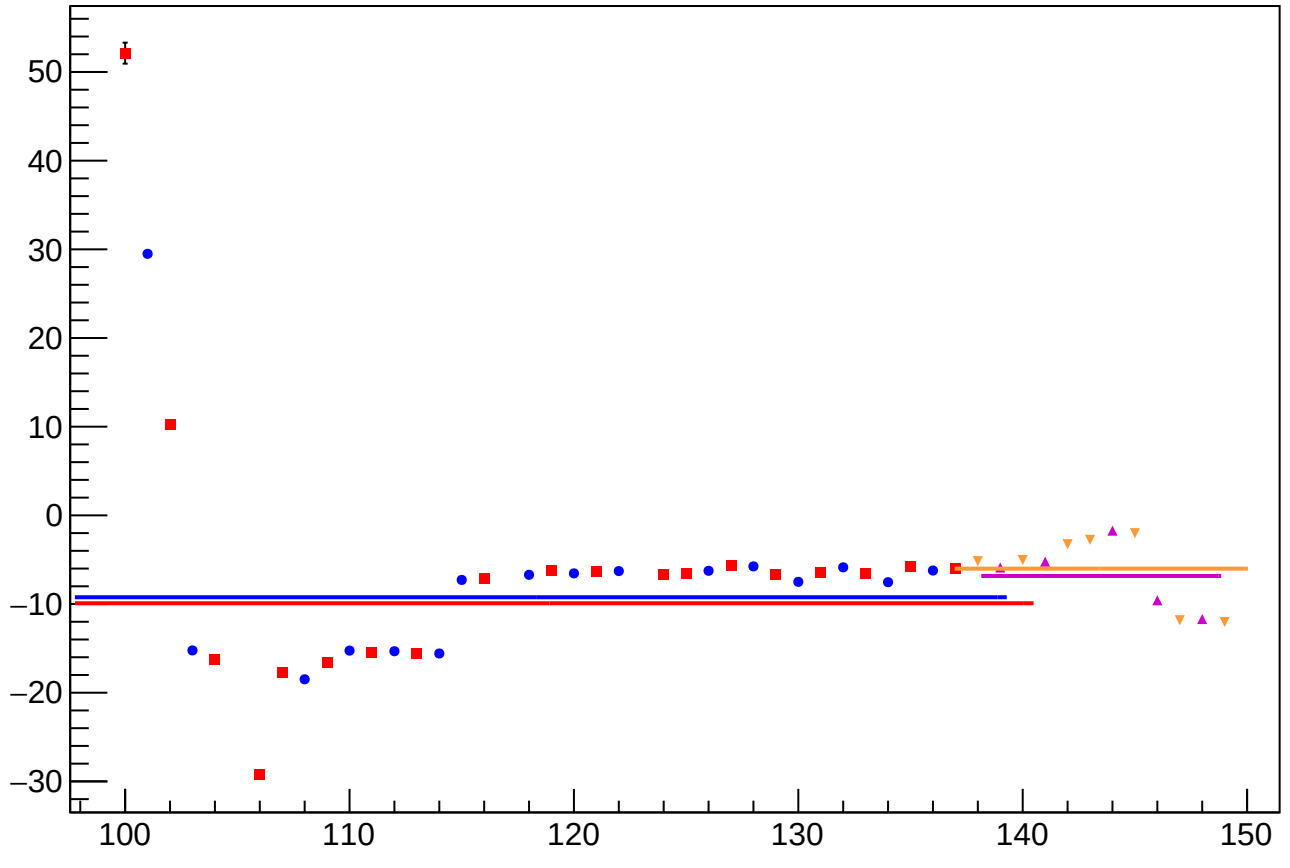
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.347+/-0.432 χ^2/NDF:713.8/20

Out: 67.339+/-0.409 χ^2/NDF:1189.1/25

All: 67.815+/-0.297 χ^2/NDF: 1905.8/46


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 16.197+/-0.515 χ²/NDF:37.7/6
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 14.272+/-0.576 χ²/NDF:18.5/4
Left: 15.341+/-0.384 χ²/NDF: 62.5/11
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 16.893+/-0.411 χ²/NDF:256.6/20
Out: 17.822+/-0.387 χ²/NDF:241.9/25
All: 17.385+/-0.282 χ²/NDF: 501.1/46



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -6.009+/-0.025 χ^2/NDF:23063.5/6

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -6.835+/-0.027 χ^2/NDF:14513.8/4

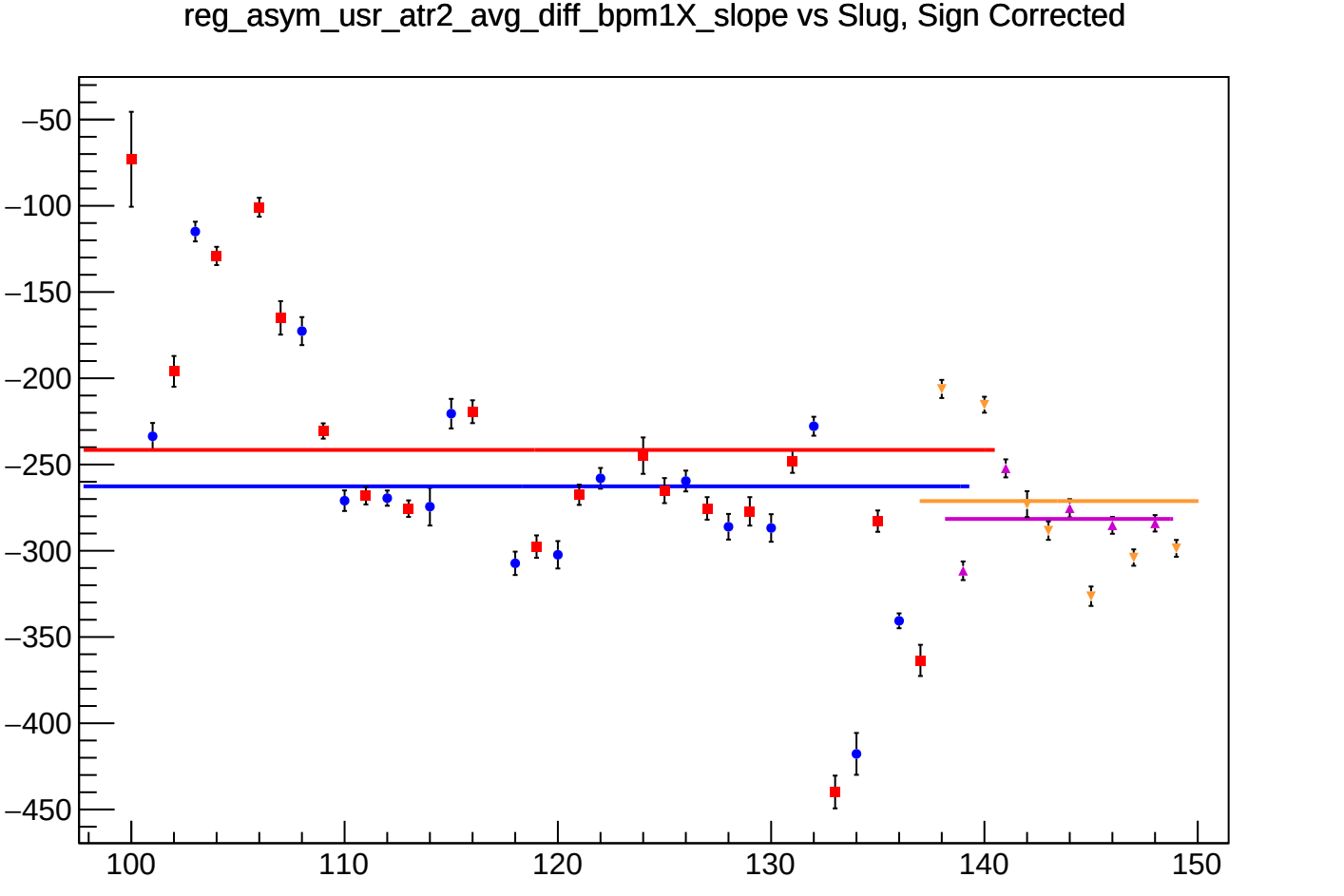
Left: -6.387+/-0.018 χ^2/NDF: 38081.8/11

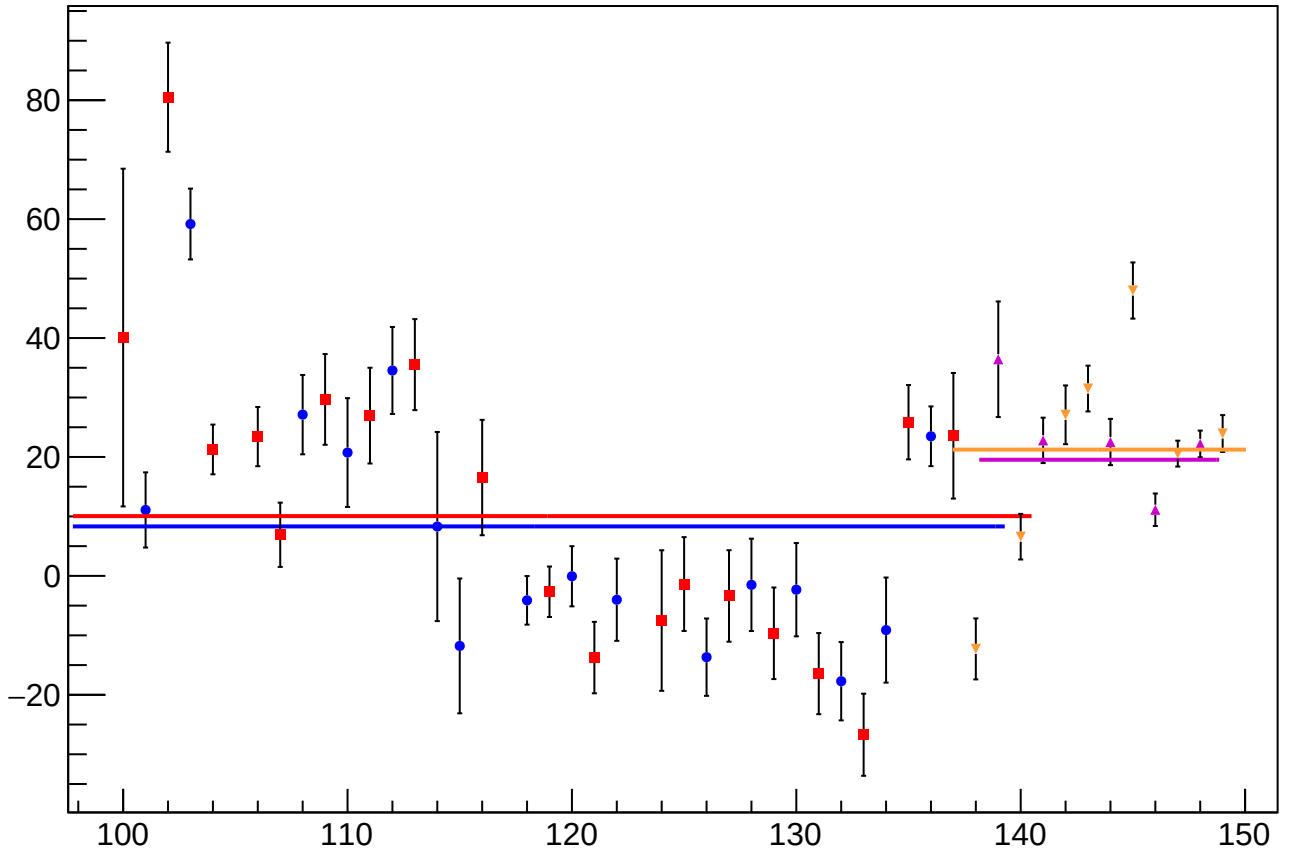
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -7.808+/-0.021 χ^2/NDF:48847.9/20

Out: -7.349+/-0.020 χ^2/NDF:85370.5/25

All: -7.570+/-0.015 χ^2/NDF: 134468.2/46


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: -271.186+/-1.983 χ²/NDF:485.8/6
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -281.547+/-2.280 χ²/NDF:64.7/4
Left: -275.649+/-1.496 χ²/NDF: 562.2/11
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -268.953+/-1.317 χ²/NDF:1564.8/20
Out: -252.389+/-1.199 χ²/NDF:2766.0/25
All: -259.898+/-0.887 χ²/NDF: 4417.2/46



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 21.238+/-1.320 χ^2/NDF:98.8/6

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: 20.465+/-0.975 χ^2/NDF: 114.7/11

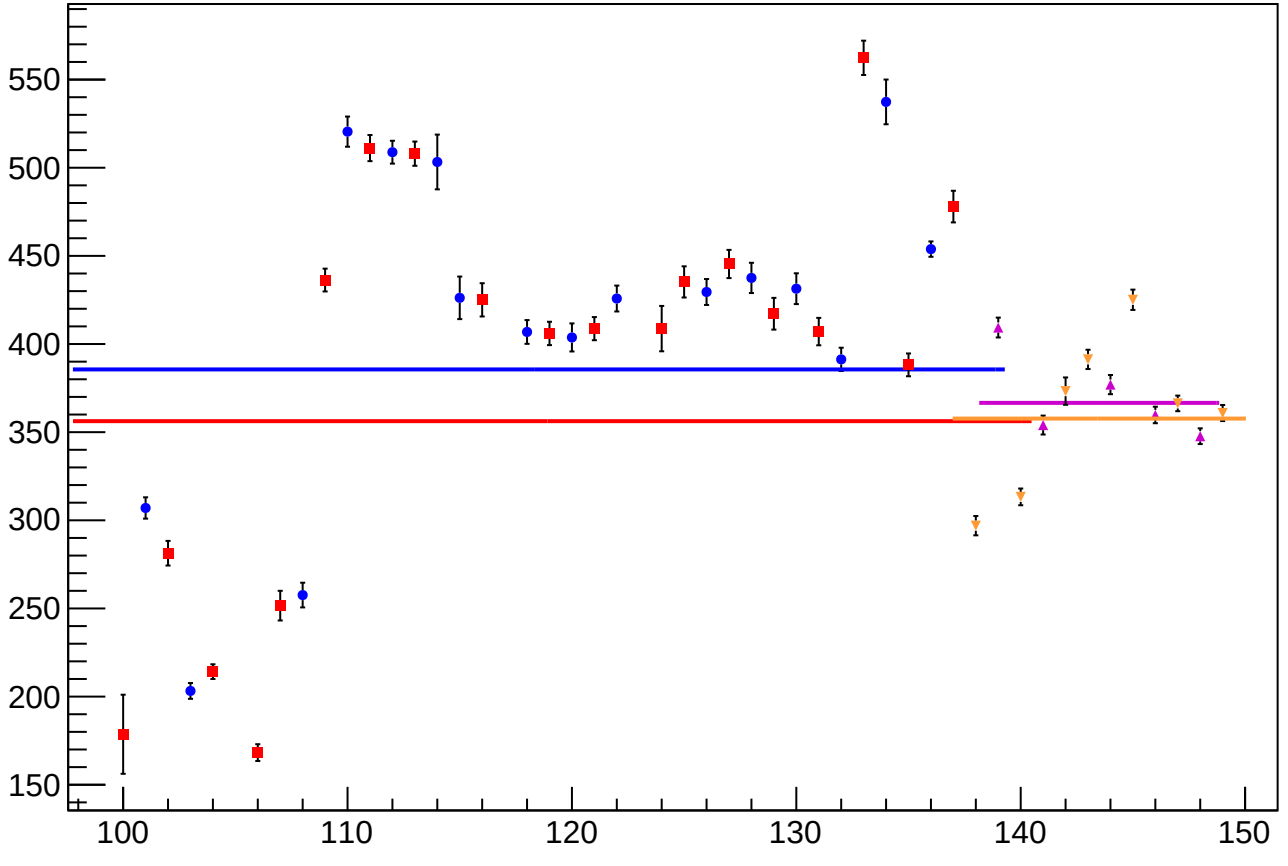
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 14.638+/-1.086 χ^2/NDF:199.1/20

Out: 16.498+/-1.002 χ^2/NDF:316.6/25

All: 15.643+/-0.736 χ^2/NDF: 517.3/46

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 357.712+/-1.972 χ^2/NDF:393.7/6

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: 361.563+/-1.486 χ^2/NDF: 489.4/11

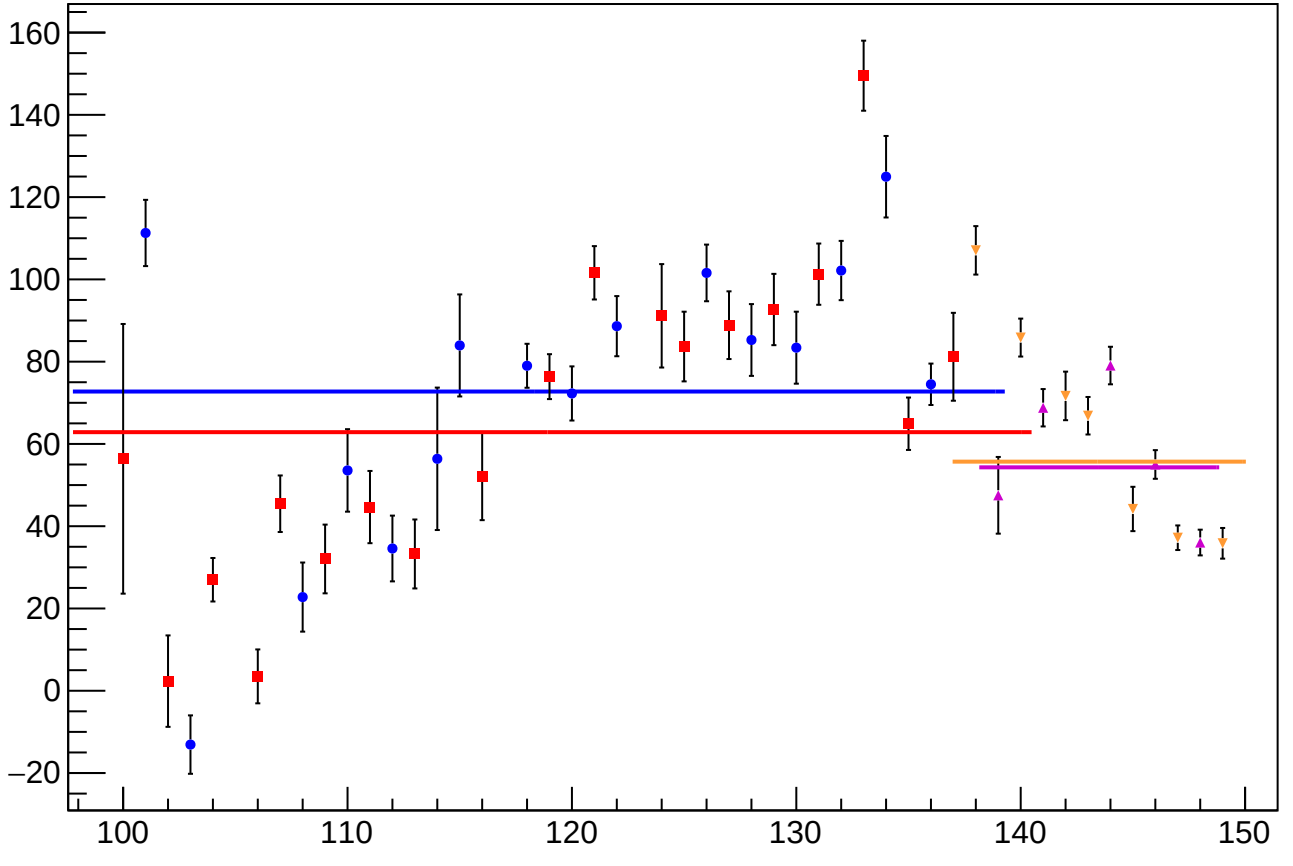
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 378.515+/-1.380 χ^2/NDF:3504.2/20

Out: 356.848+/-1.264 χ^2/NDF:5664.3/25

All: 366.734+/-0.932 χ^2/NDF: 9302.6/46

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: 55.696+/-1.642 χ^2/NDF:203.3/6

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: 55.085+/-1.228 χ^2/NDF: 277.9/11

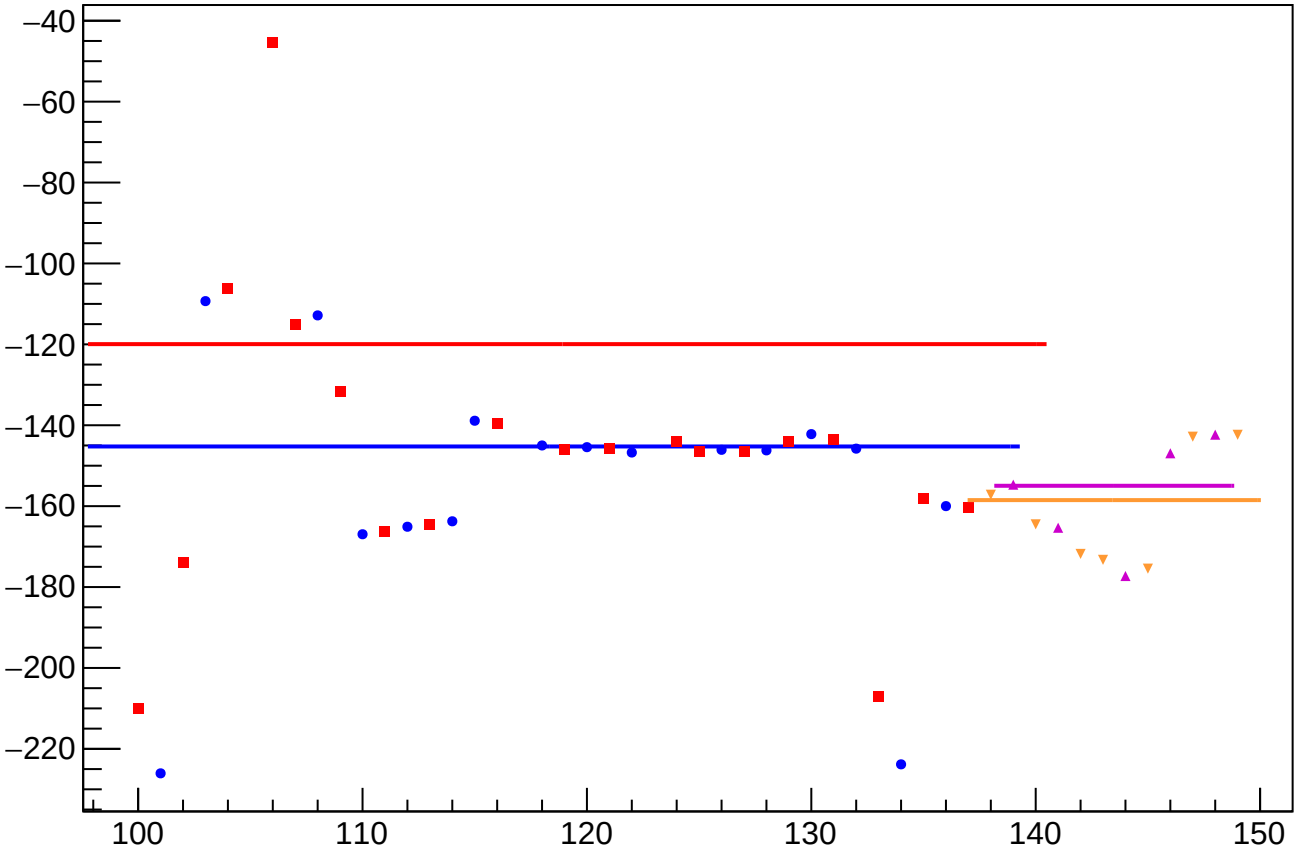
Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 63.288+/-1.324 χ^2/NDF:427.0/20

Out: 58.962+/-1.211 χ^2/NDF:615.6/25

All: 60.933+/-0.894 χ^2/NDF: 1048.4/46

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -158.508+/-0.083 χ^2/NDF:25723.8/6

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -154.963+/-0.092 χ^2/NDF:17113.1/4

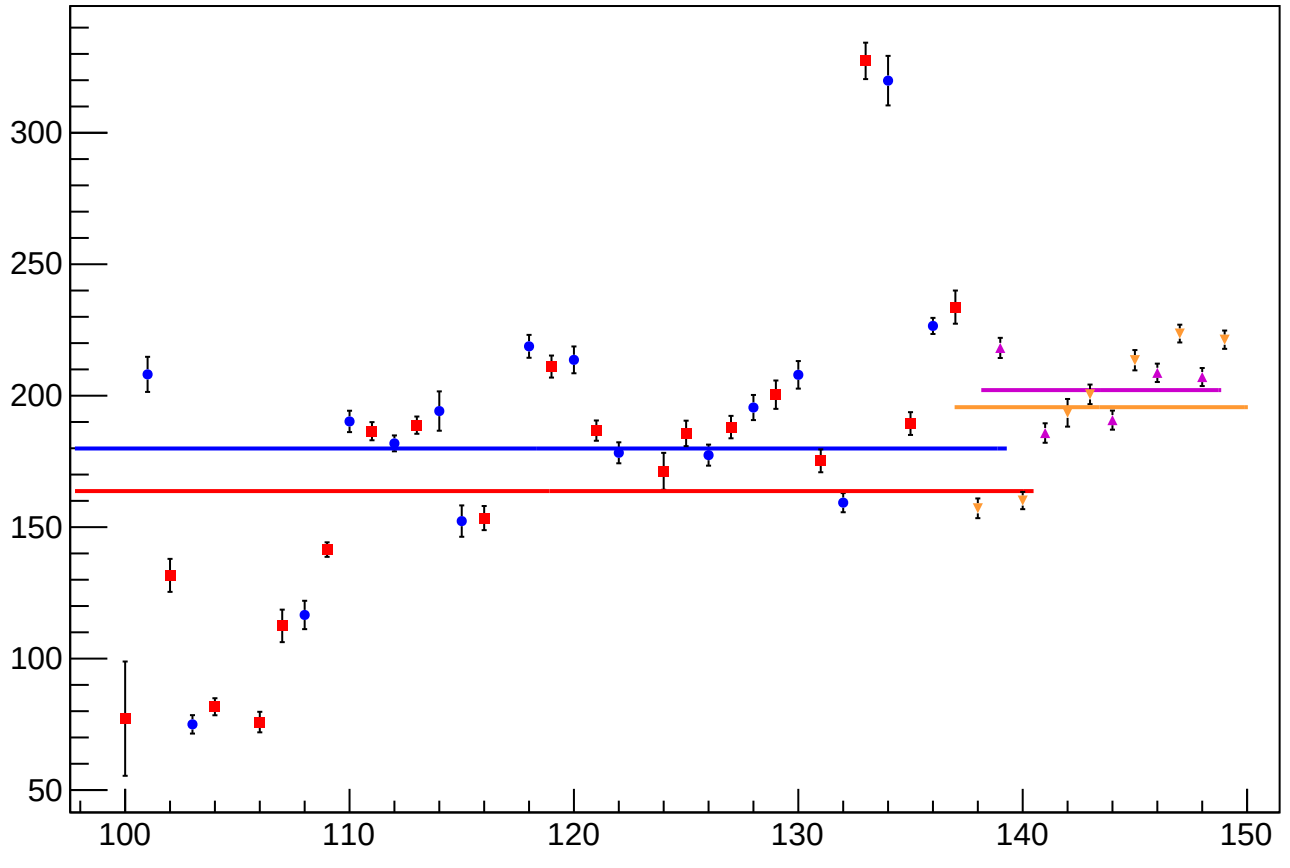
Left: -156.916+/-0.062 χ^2/NDF: 43650.5/11

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -150.416+/-0.067 χ^2/NDF:154365.5/20

Out: -140.499+/-0.061 χ^2/NDF:396195.6/25

All: -144.958+/-0.045 χ^2/NDF: 562522.8/46



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 195.632+/-1.401 χ^2/NDF:368.9/6

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 202.128+/-1.614 χ^2/NDF:52.5/4

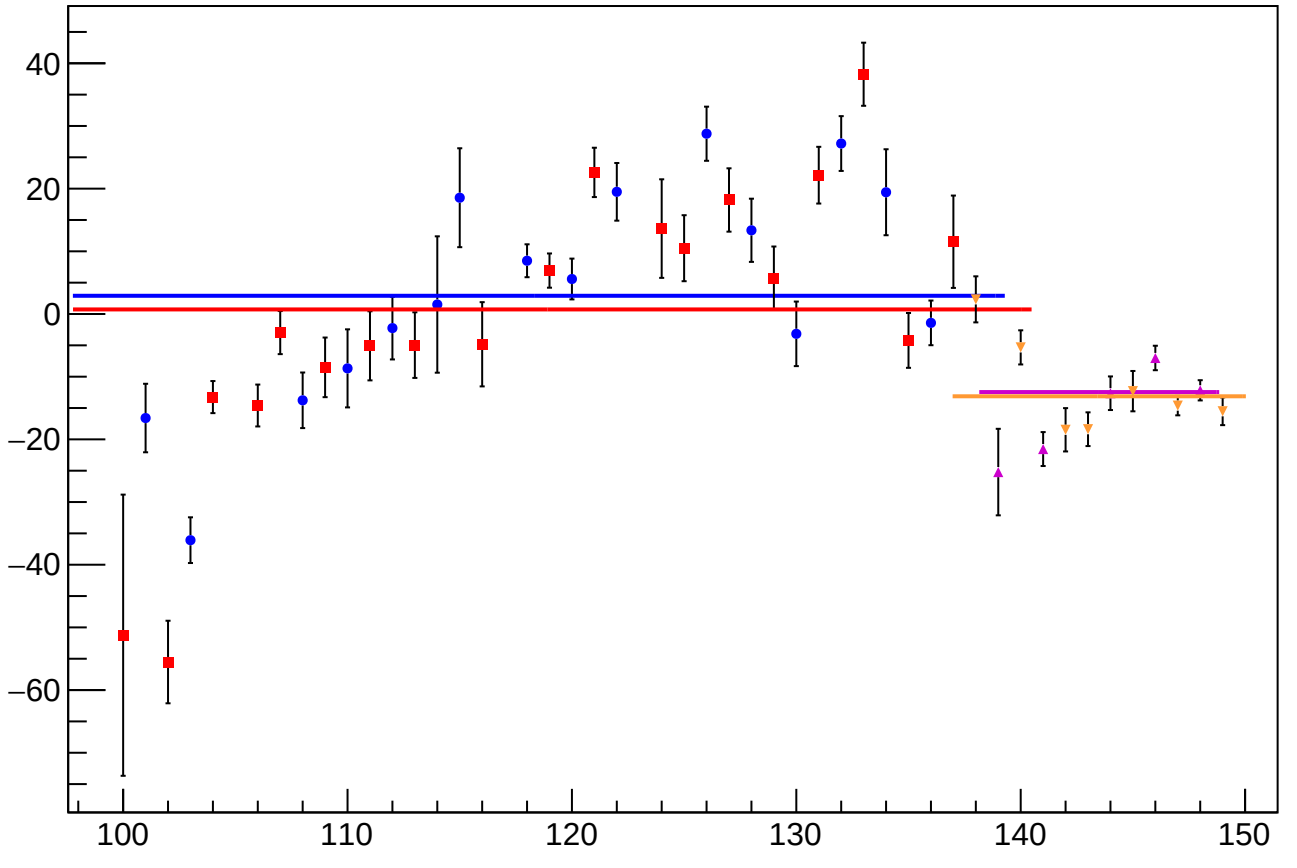
Left: 198.423+/-1.058 χ^2/NDF: 430.6/11

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 186.861+/-0.903 χ^2/NDF:1915.3/20

Out: 174.503+/-0.814 χ^2/NDF:3129.4/25

All: 180.048+/-0.605 χ^2/NDF: 5148.0/46



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -13.129+/-0.934 χ^2/NDF:34.3/6

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -12.455+/-1.030 χ^2/NDF:22.5/4

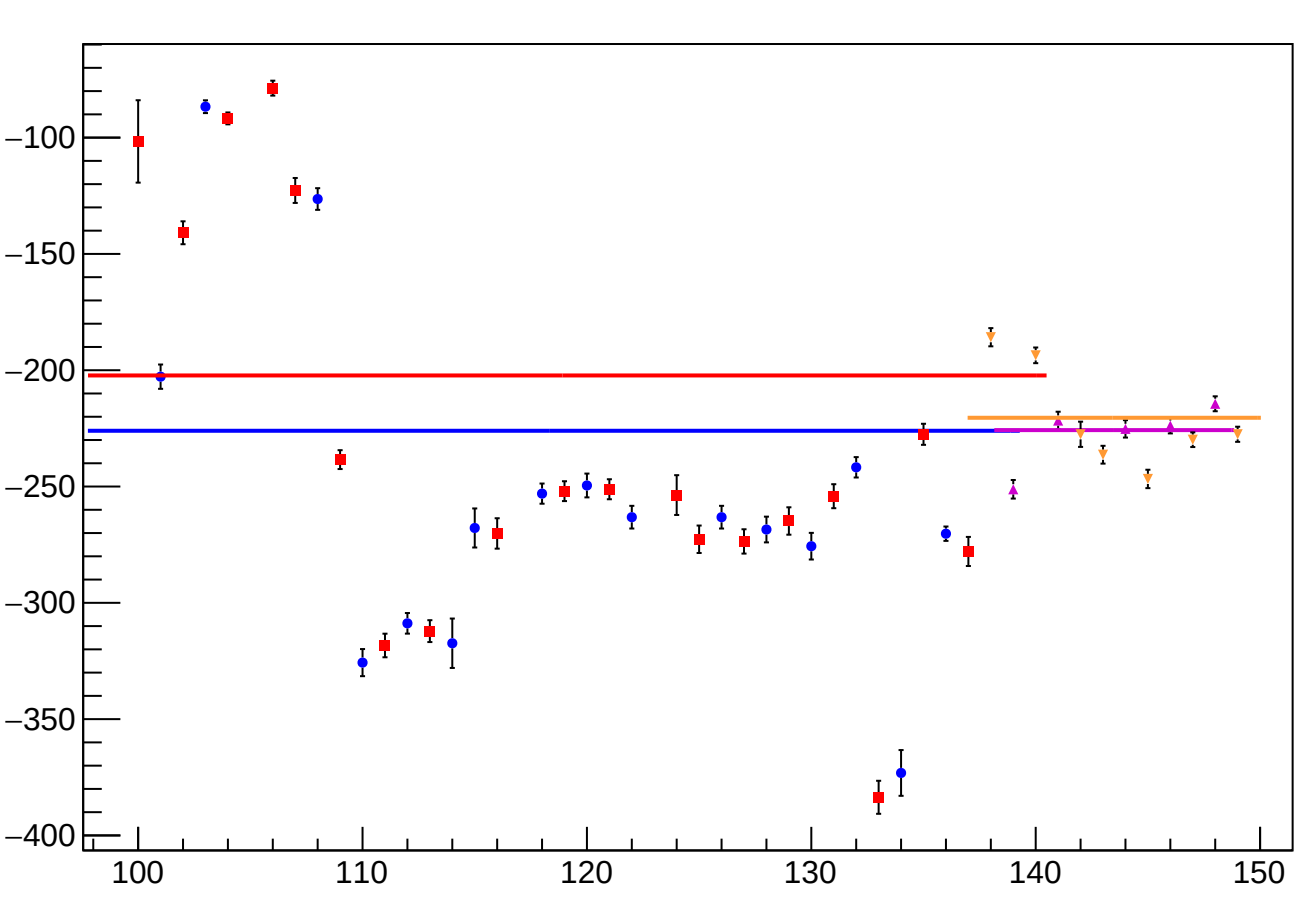
Left: -12.825+/-0.692 χ^2/NDF: 57.0/11

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -5.312+/-0.753 χ^2/NDF:373.5/20

Out: -6.757+/-0.686 χ^2/NDF:409.1/25

All: -6.101+/-0.507 χ^2/NDF: 784.6/46



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -220.438+/-1.394 χ^2/NDF:218.6/6

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -225.745+/-1.601 χ^2/NDF:54.6/4

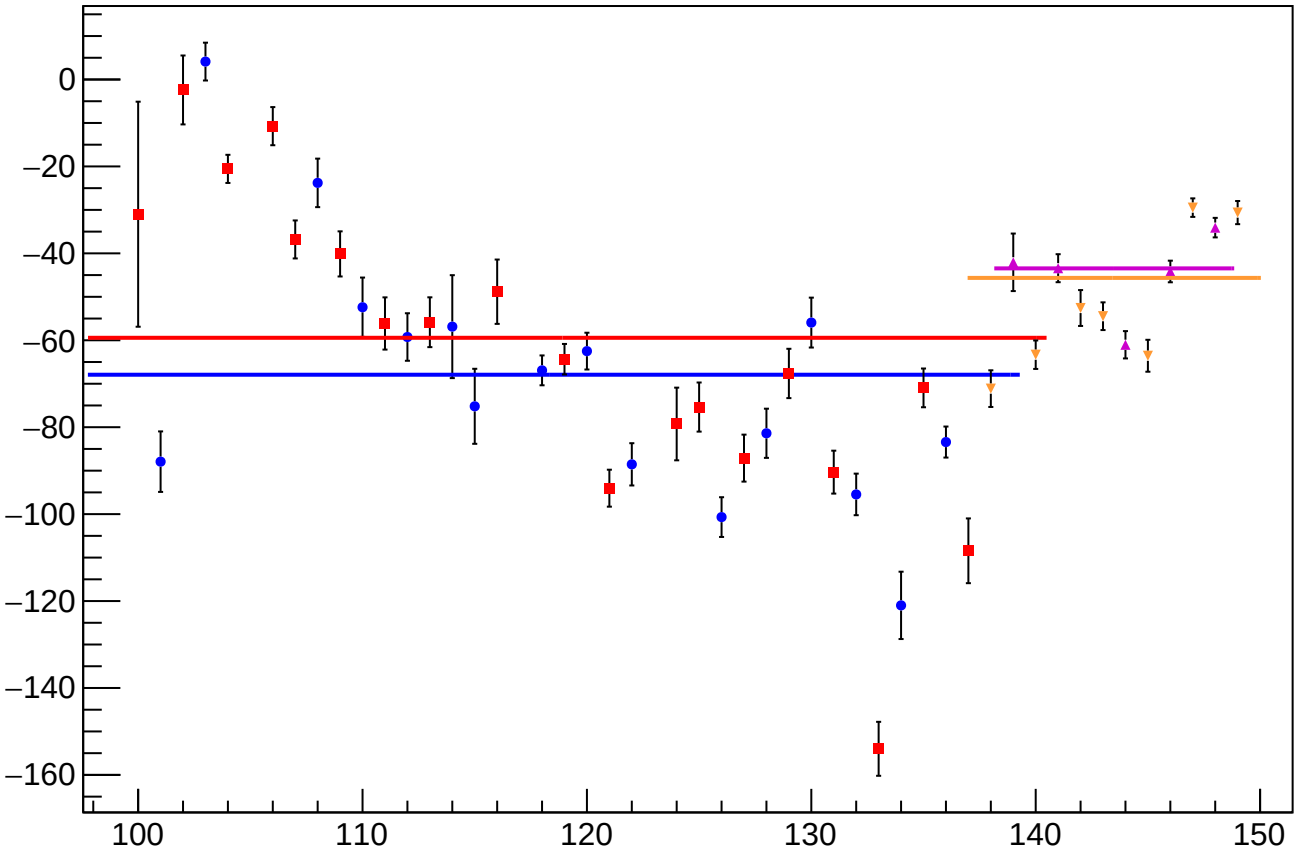
Left: -222.726+/-1.051 χ^2/NDF: 279.4/11

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -225.929+/-0.947 χ^2/NDF:4593.6/20

Out: -209.126+/-0.857 χ^2/NDF:7015.3/25

All: -216.691+/-0.636 χ^2/NDF: 11781.9/46



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -45.648+/-1.161 χ^2/NDF:189.3/6

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: -44.687+/-0.870 χ^2/NDF: 239.6/11

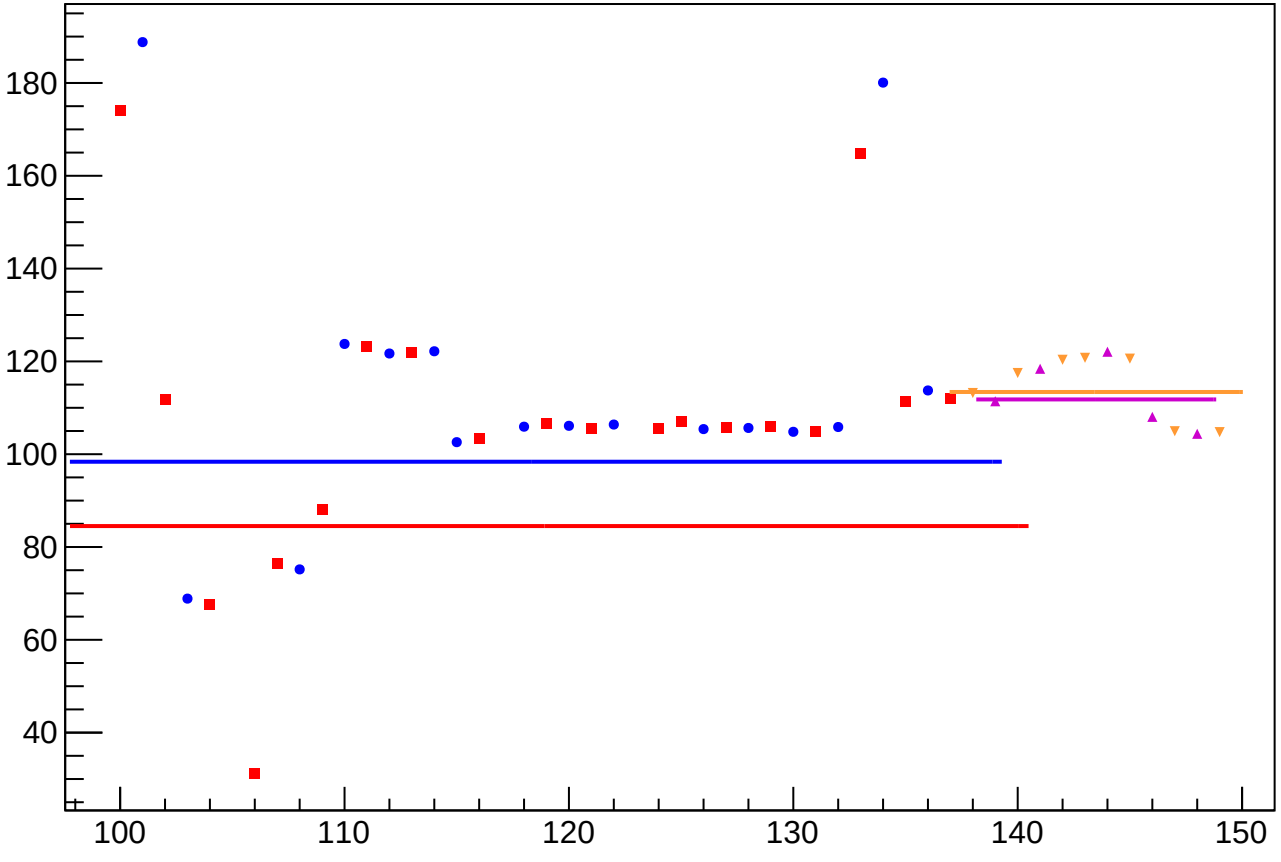
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -56.021+/-0.916 χ^2/NDF:761.2/20

Out: -52.402+/-0.829 χ^2/NDF:1053.2/25

All: -54.032+/-0.615 χ^2/NDF: 1823.0/46

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: 113.408+/-0.059 χ^2/NDF:13581.3/6

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: 112.690+/-0.044 χ^2/NDF: 23422.9/11

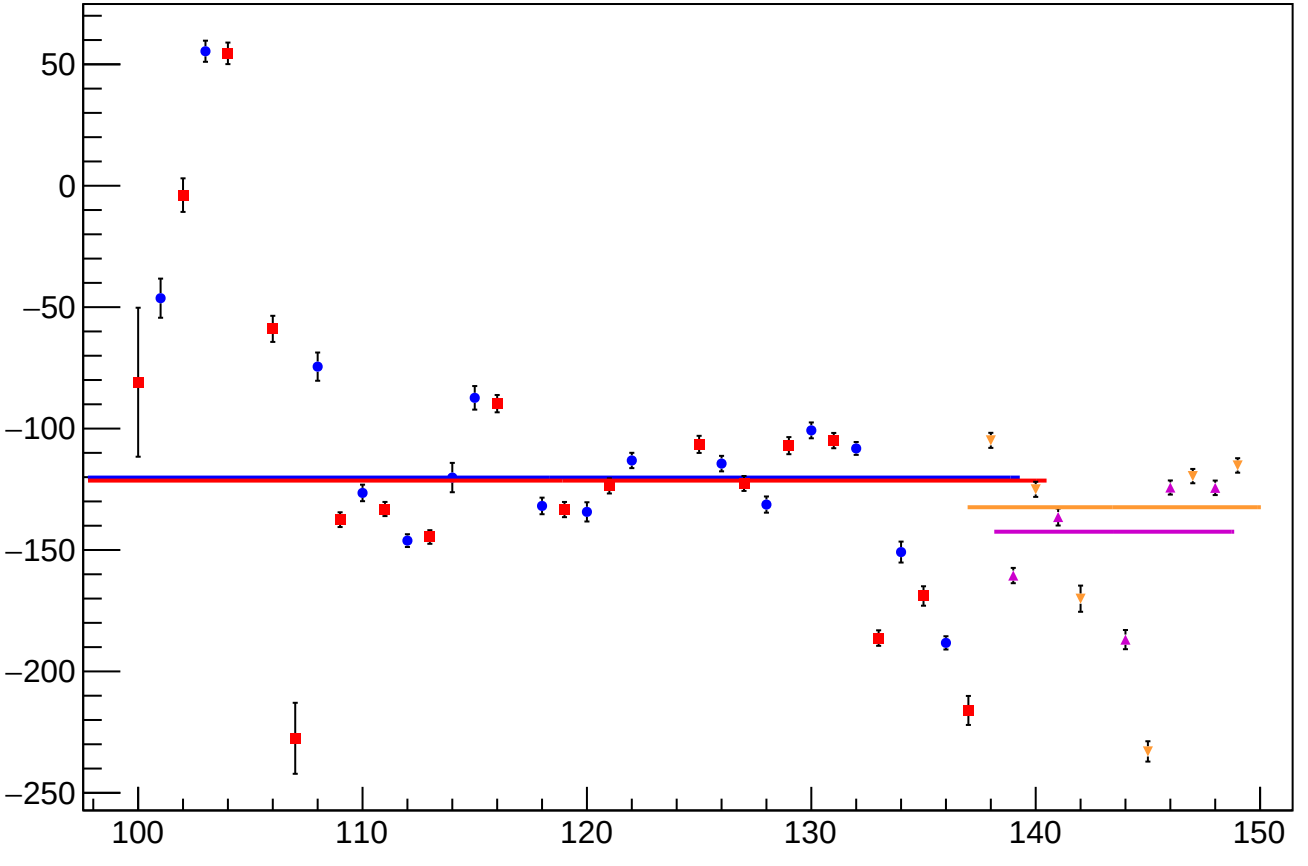
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.153+/-0.046 χ^2/NDF:258787.2/20

Out: 99.395+/-0.042 χ^2/NDF:399484.7/25

All: 101.999+/-0.031 χ^2/NDF: 666682.1/46

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -132.388+/-1.379 χ^2/NDF:762.3/5

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -142.468+/-1.449 χ^2/NDF:238.1/4

Left: -137.179+/-0.999 χ^2/NDF: 1025.8/10

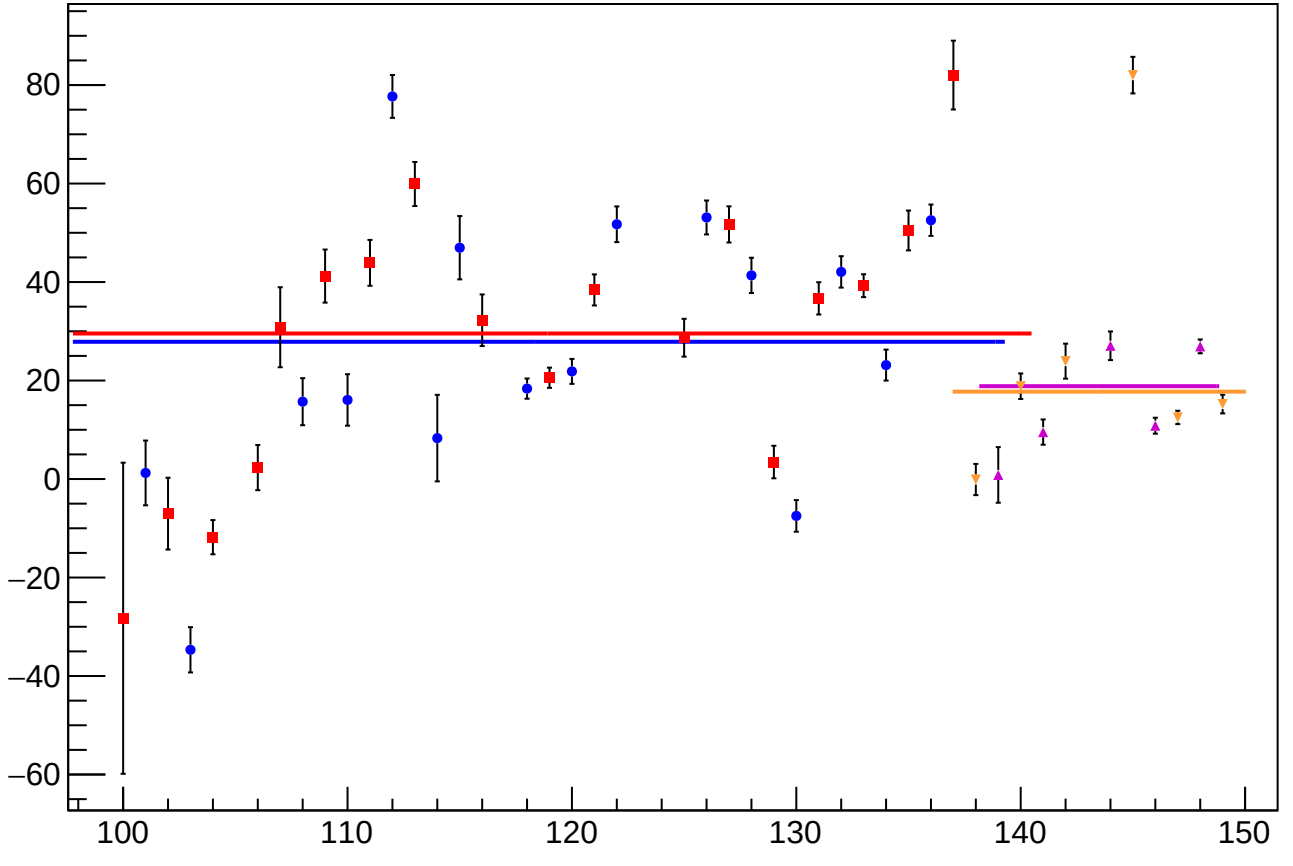
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -126.292+/-0.759 χ^2/NDF:3101.2/20

Out: -124.569+/-0.739 χ^2/NDF:3933.8/23

All: -125.408+/-0.529 χ^2/NDF: 7037.6/44

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 17.741+/-0.905 χ^2/NDF:351.0/5

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: 18.289+/-0.645 χ^2/NDF: 440.5/10

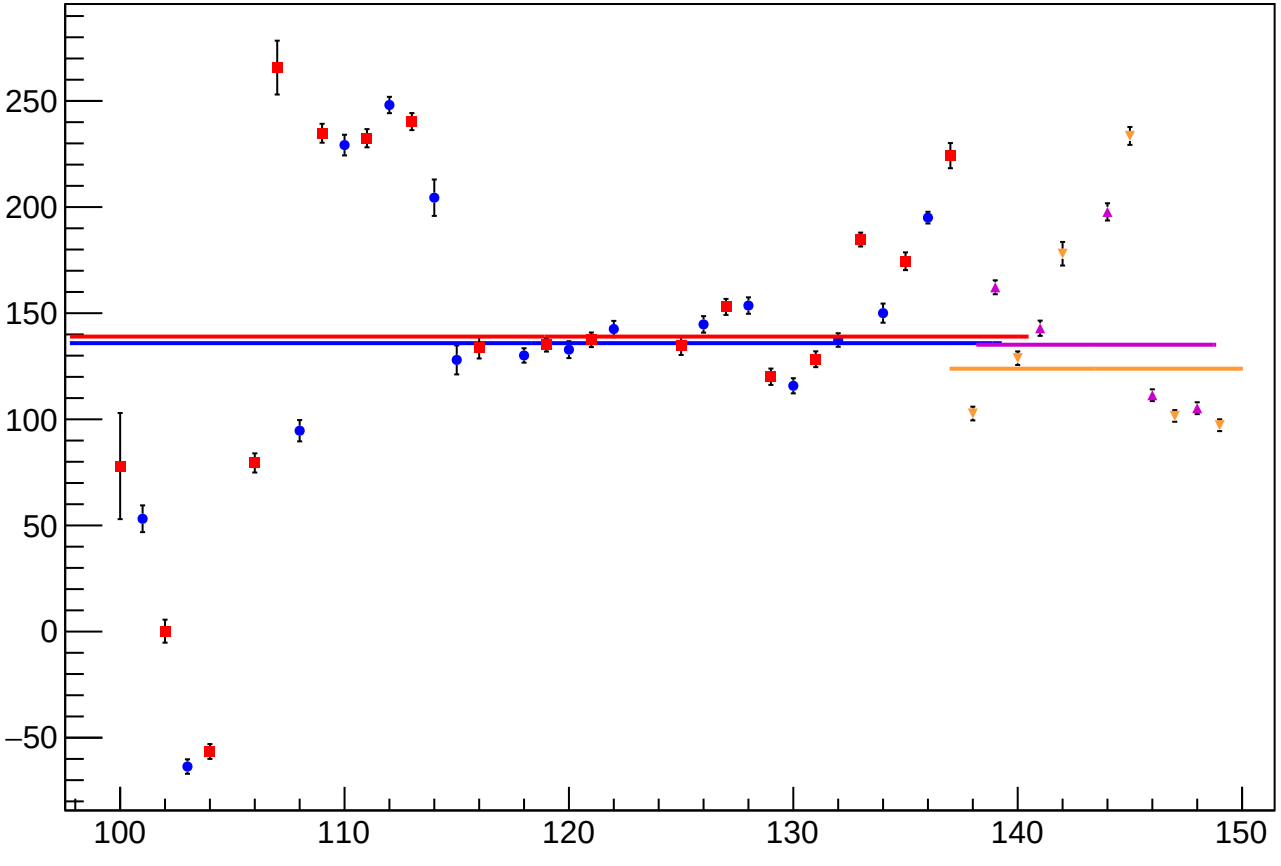
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 23.511+/-0.638 χ^2/NDF:838.3/20

Out: 23.751+/-0.635 χ^2/NDF:935.0/23

All: 23.632+/-0.450 χ^2/NDF: 1773.4/44

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: 123.858+/-1.358 χ^2/NDF:971.8/5

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 135.146+/-1.432 χ^2/NDF:497.0/4

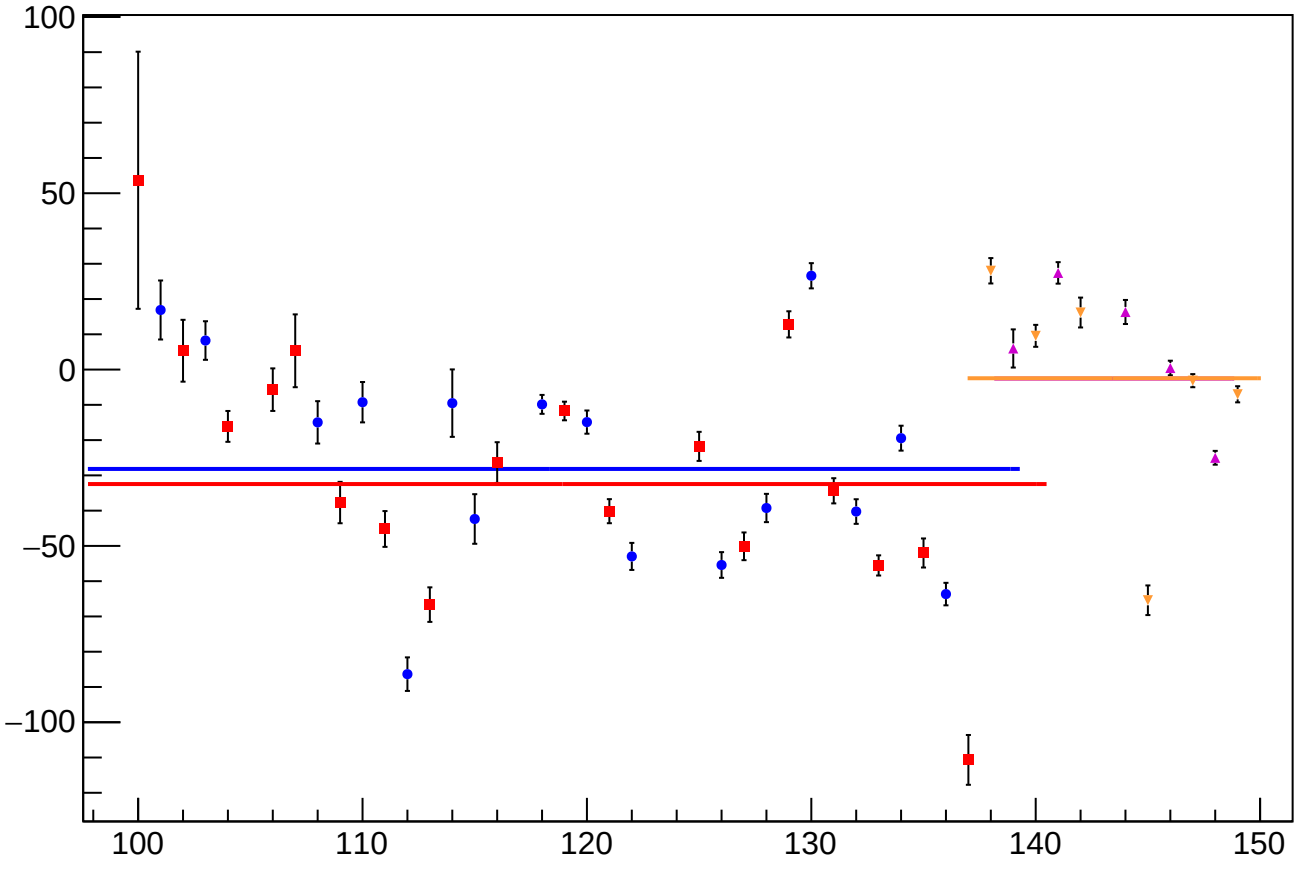
Left: 129.201+/-0.985 χ^2/NDF: 1501.5/10

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 135.642+/-0.819 χ^2/NDF:5960.8/20

Out: 133.676+/-0.804 χ^2/NDF:7208.8/23

All: 134.641+/-0.574 χ^2/NDF: 13172.5/44



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -2.461+/-1.137 χ^2/NDF:334.4/5

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.557+/-1.177 χ^2/NDF:263.1/4

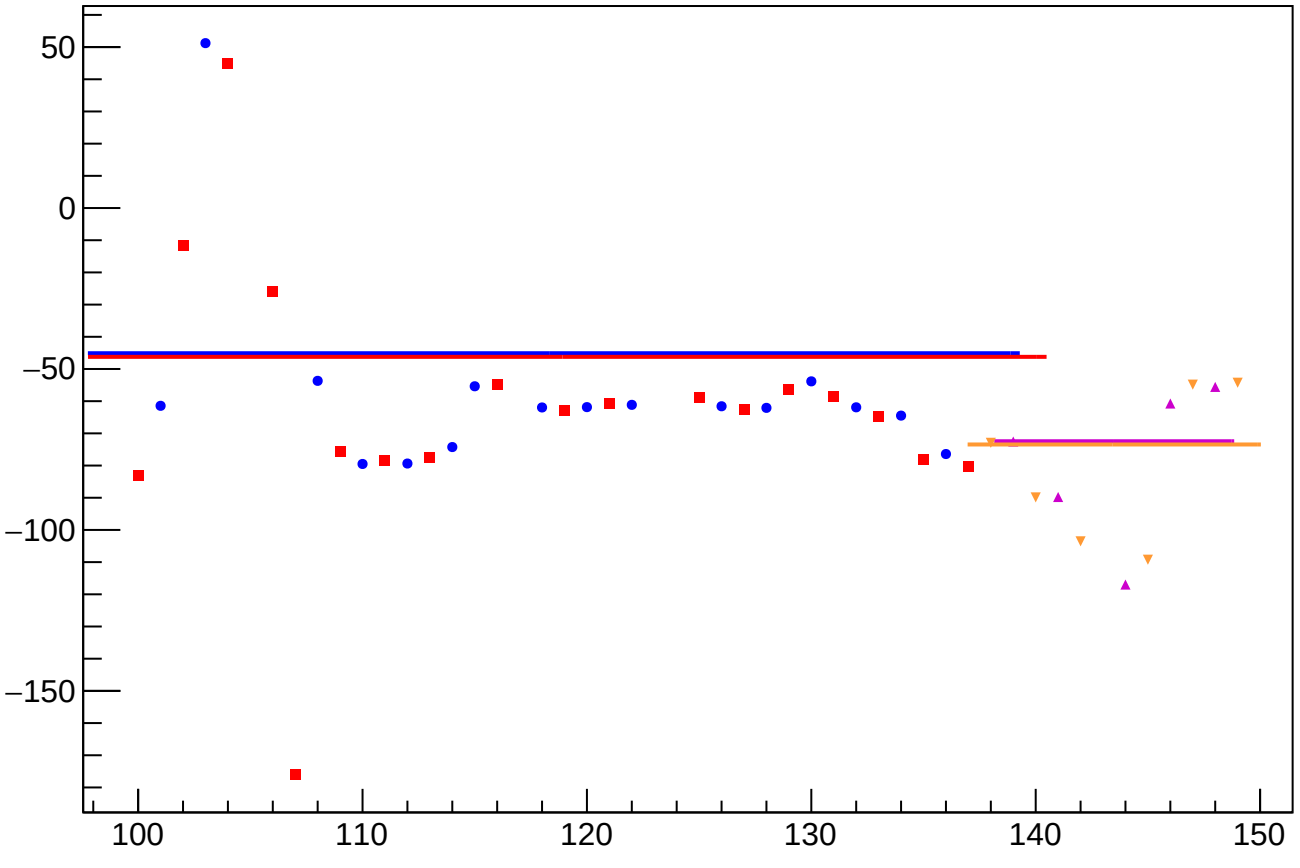
Left: -2.508+/-0.818 χ^2/NDF: 597.6/10

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -17.161+/-0.772 χ^2/NDF:1324.4/20

Out: -18.976+/-0.762 χ^2/NDF:1298.5/23

All: -18.080+/-0.542 χ^2/NDF: 2625.6/44



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -73.453+/-0.057 χ^2/NDF:127032.0/5

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: -72.958+/-0.041 χ^2/NDF: 232365.7/10

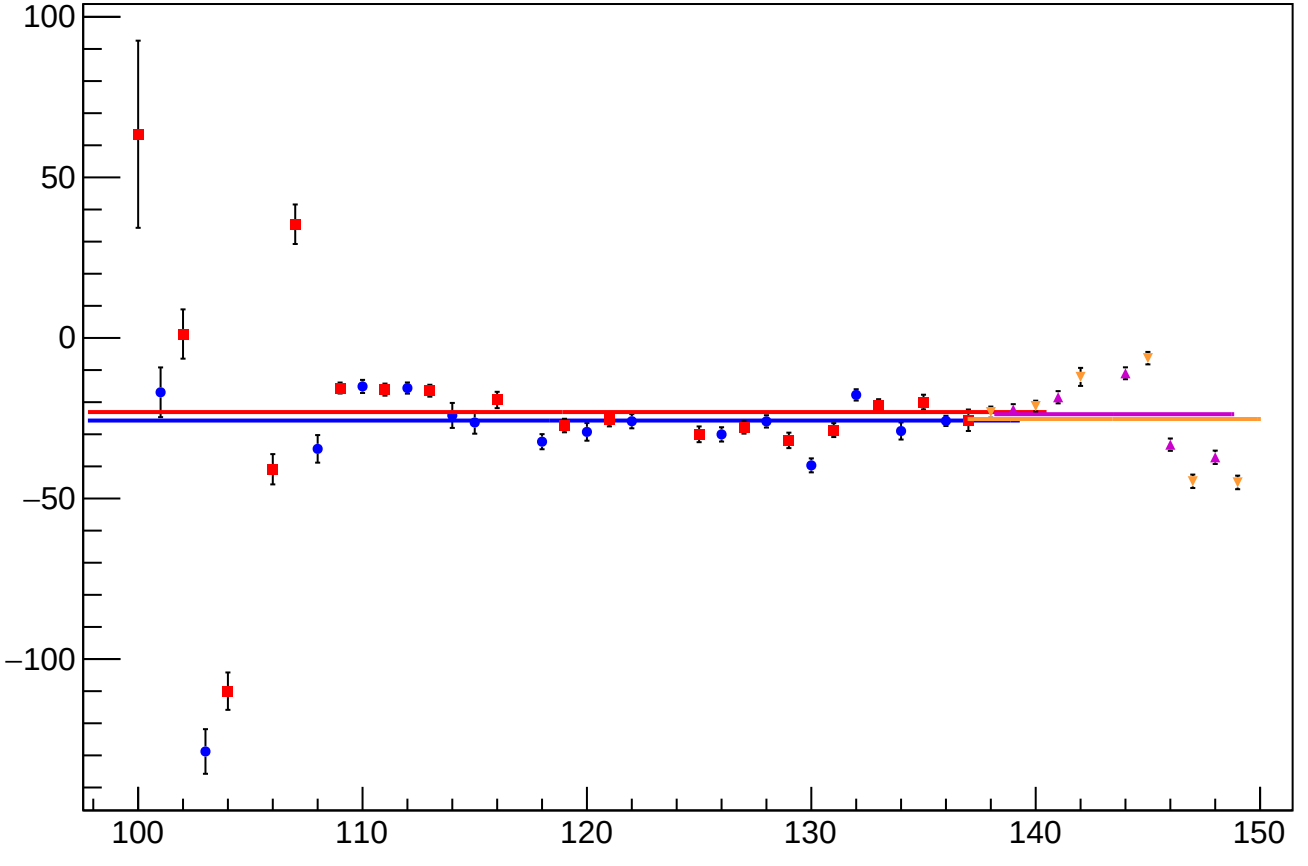
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -59.290+/-0.042 χ^2/NDF:787623.2/20

Out: -61.051+/-0.042 χ^2/NDF:723665.0/23

All: -60.160+/-0.030 χ^2/NDF: 1512168.7/44

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: -25.247+/-0.808 χ^2/NDF:297.3/5

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -23.743+/-0.838 χ^2/NDF:121.3/4

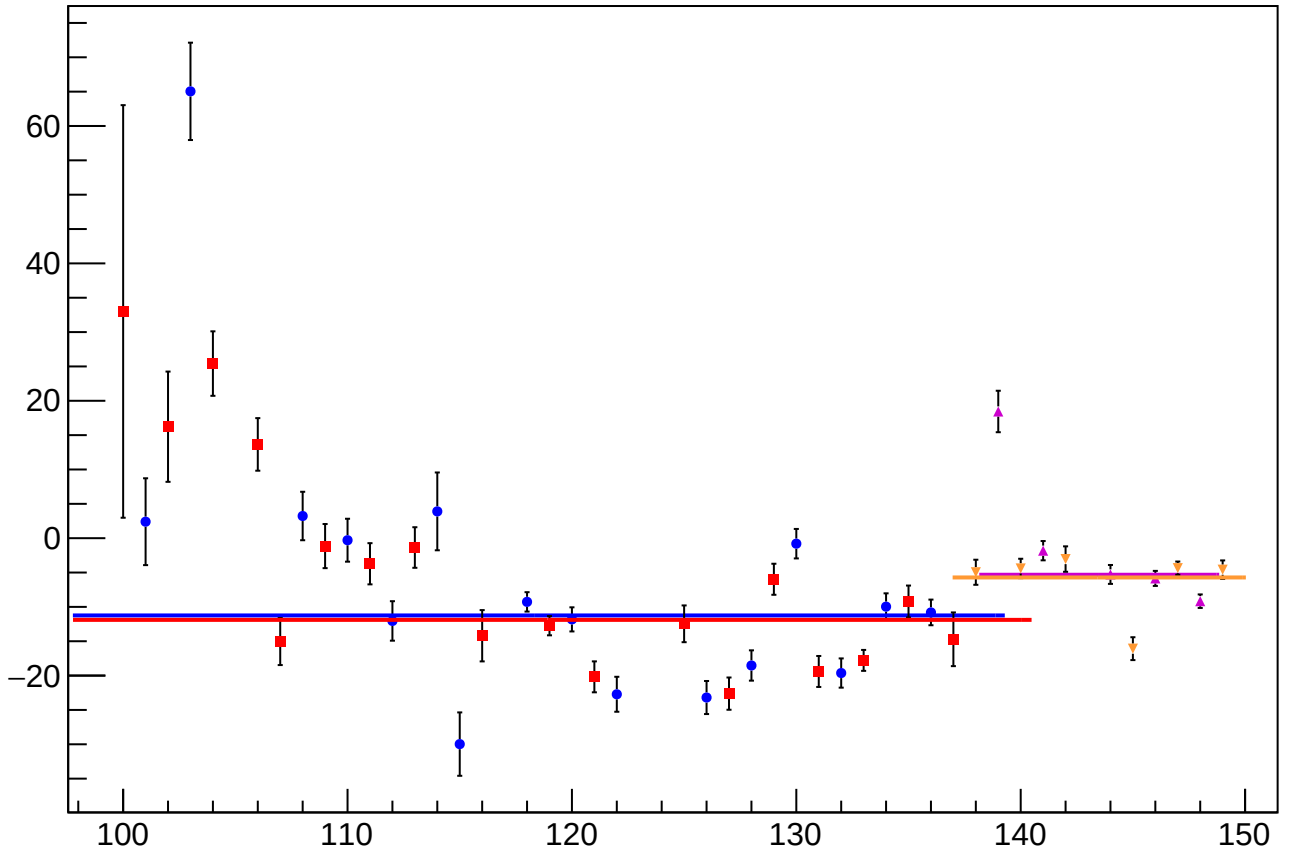
Left: -24.522+/-0.582 χ^2/NDF: 420.3/10

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -25.065+/-0.483 χ^2/NDF:488.0/20

Out: -23.819+/-0.472 χ^2/NDF:739.2/23

All: -24.429+/-0.337 χ^2/NDF: 1230.6/44



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.716+/-0.570 χ^2/NDF:44.6/5

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: -5.522+/-0.405 χ^2/NDF: 128.6/10

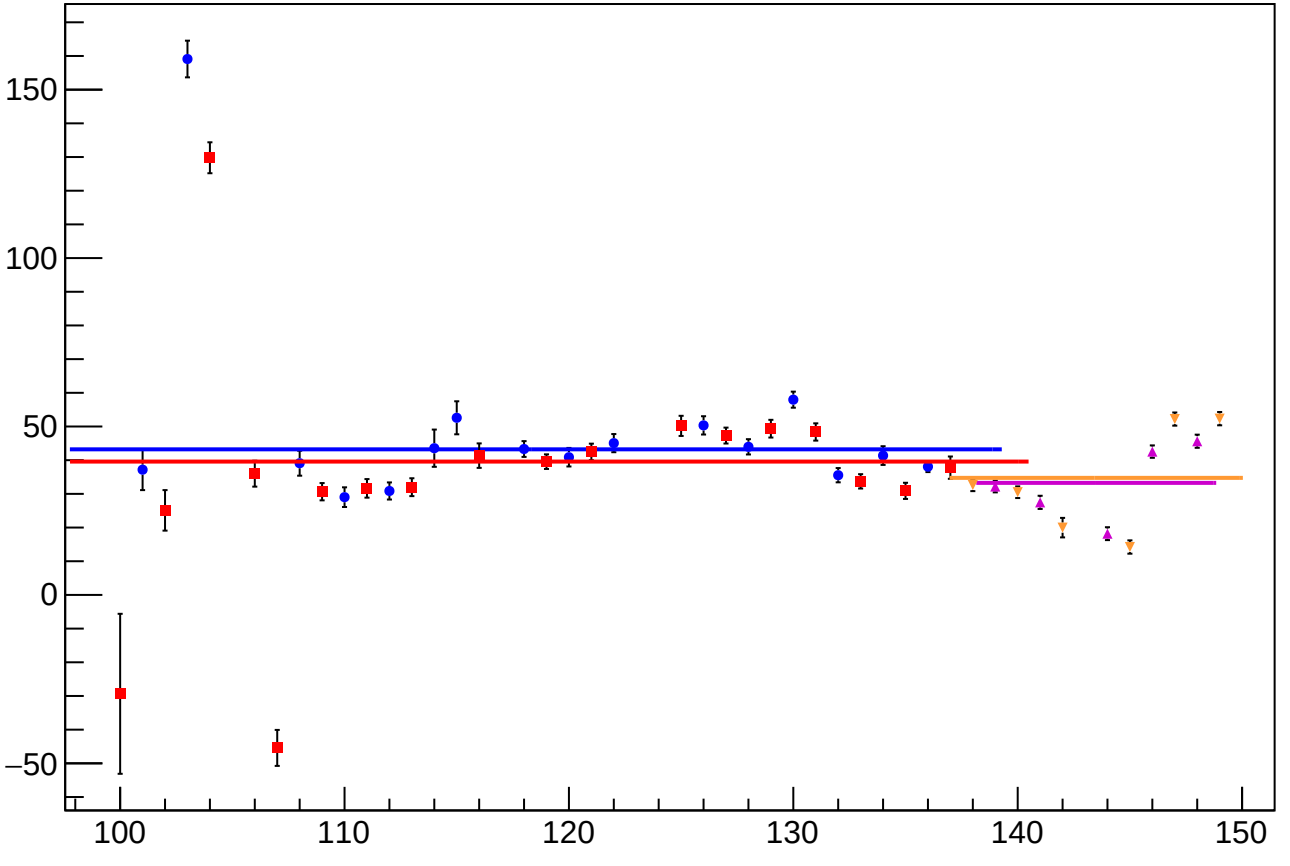
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.166+/-0.416 χ^2/NDF:405.5/20

Out: -8.609+/-0.415 χ^2/NDF:324.0/23

All: -8.387+/-0.294 χ^2/NDF: 730.1/44

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 34.752+/-0.808 χ^2/NDF:299.9/5

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: 34.035+/-0.582 χ^2/NDF: 438.3/10

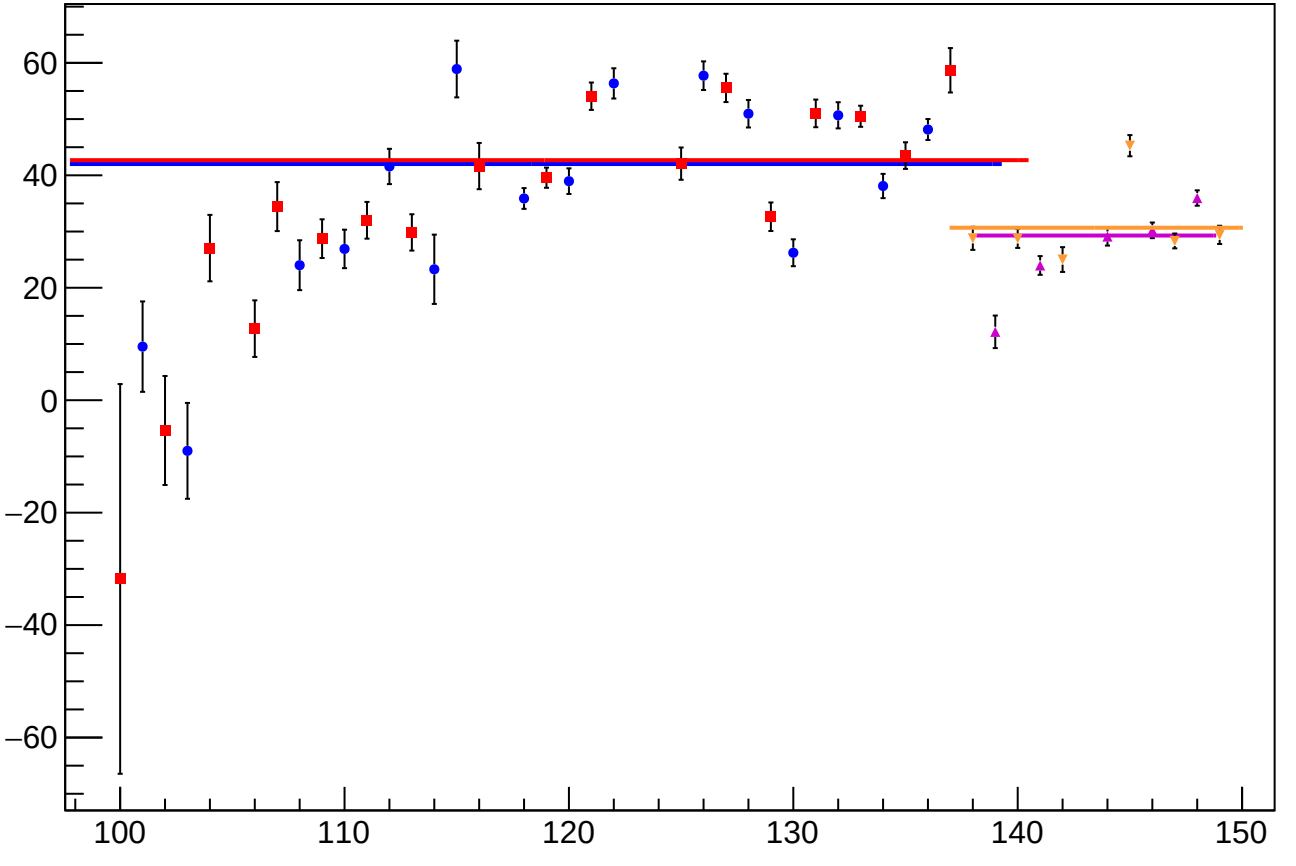
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 39.285+/-0.527 χ^2/NDF:798.0/20

Out: 37.566+/-0.522 χ^2/NDF:1074.8/23

All: 38.417+/-0.371 χ^2/NDF: 1878.2/44

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: 30.676+/-0.702 χ^2/NDF:72.4/5

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: 30.003+/-0.503 χ^2/NDF: 143.7/10

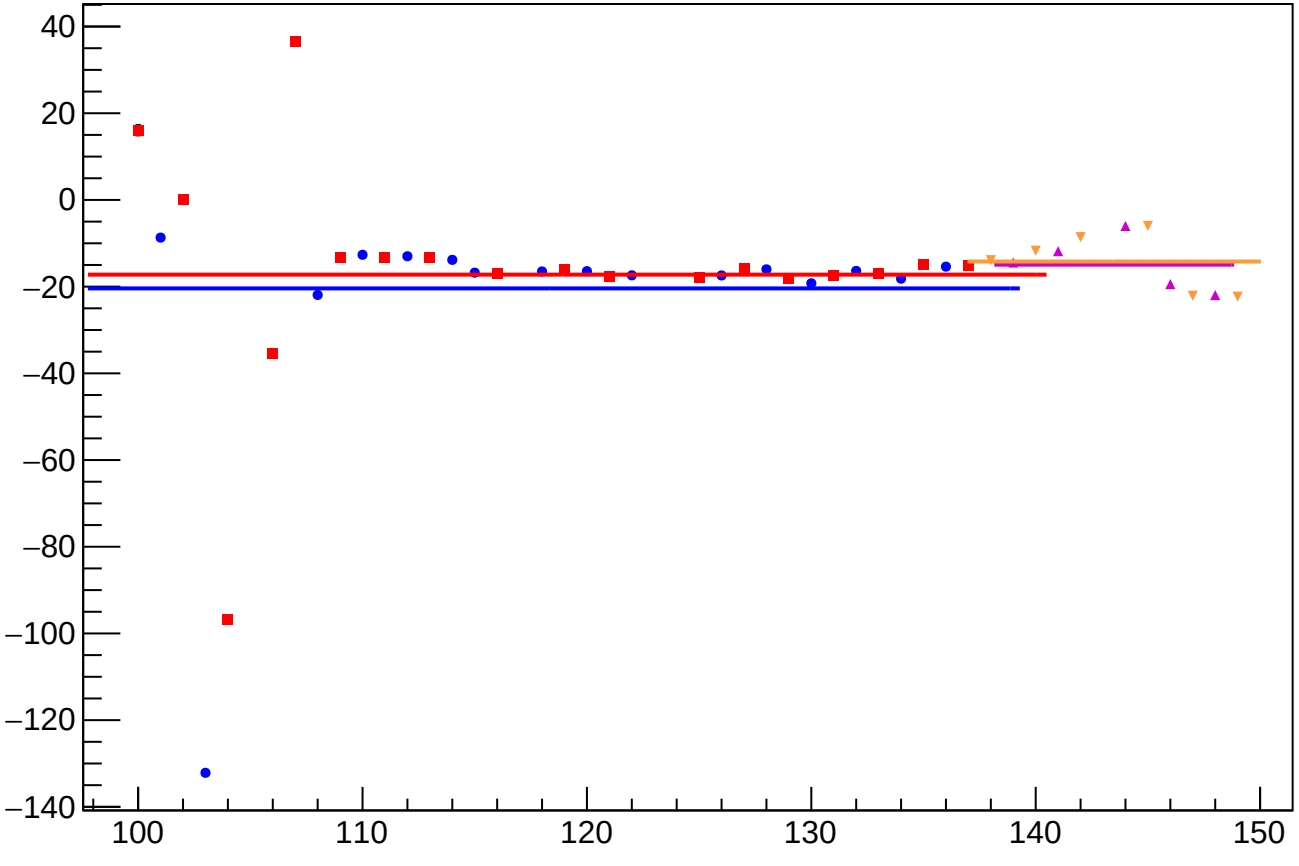
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.995+/-0.496 χ^2/NDF:505.6/20

Out: 36.749+/-0.494 χ^2/NDF:450.8/23

All: 36.374+/-0.350 χ^2/NDF: 957.6/44

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: -14.203+/-0.034 χ^2/NDF:32285.8/5

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -14.928+/-0.034 χ^2/NDF:23627.7/4

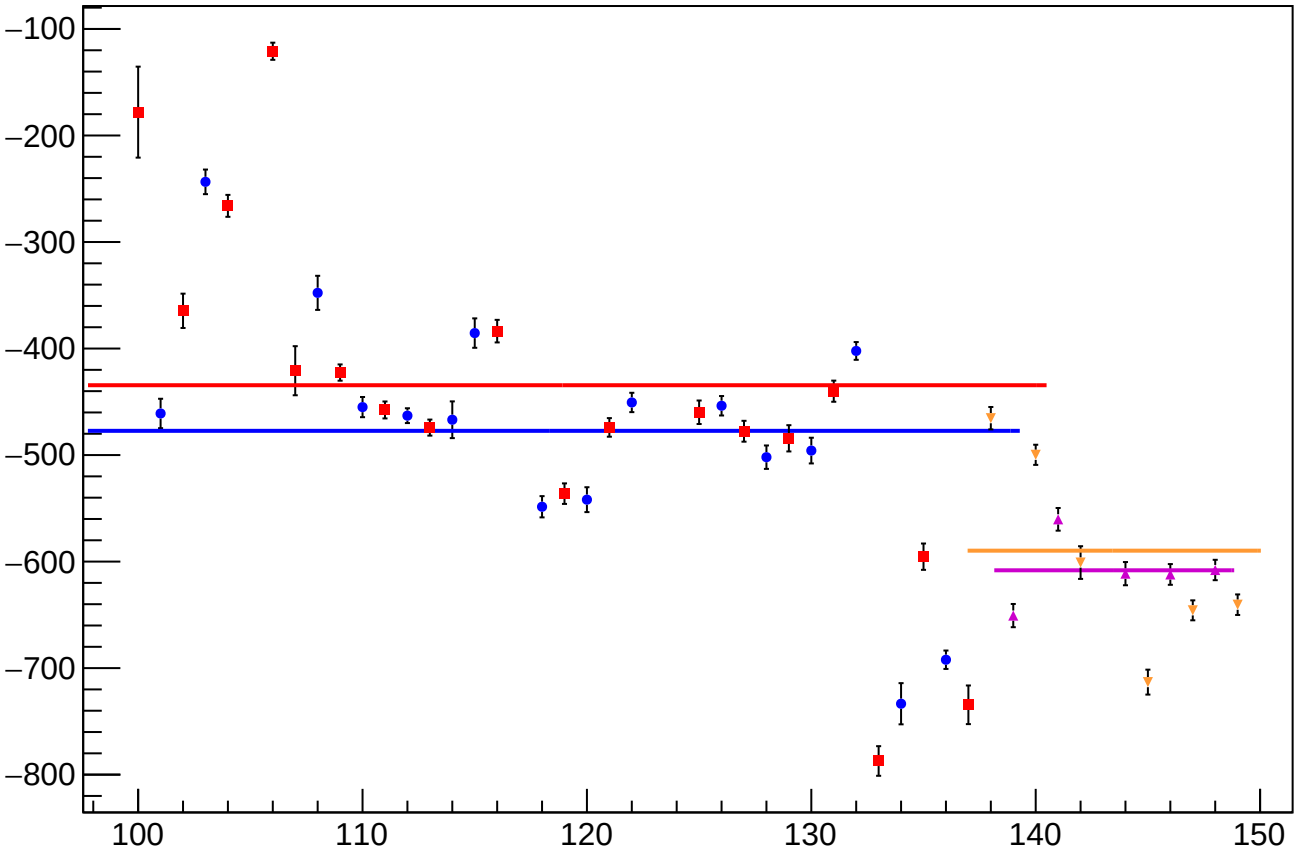
Left: -14.564+/-0.024 χ^2/NDF: 56144.0/10

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -17.091+/-0.026 χ^2/NDF:279572.3/20

Out: -15.320+/-0.027 χ^2/NDF:239931.7/23

All: -16.220+/-0.019 χ^2/NDF: 521729.7/44



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -589.747+/-4.307 χ^2/NDF:405.3/5

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: -598.344+/-3.146 χ^2/NDF: 449.5/10

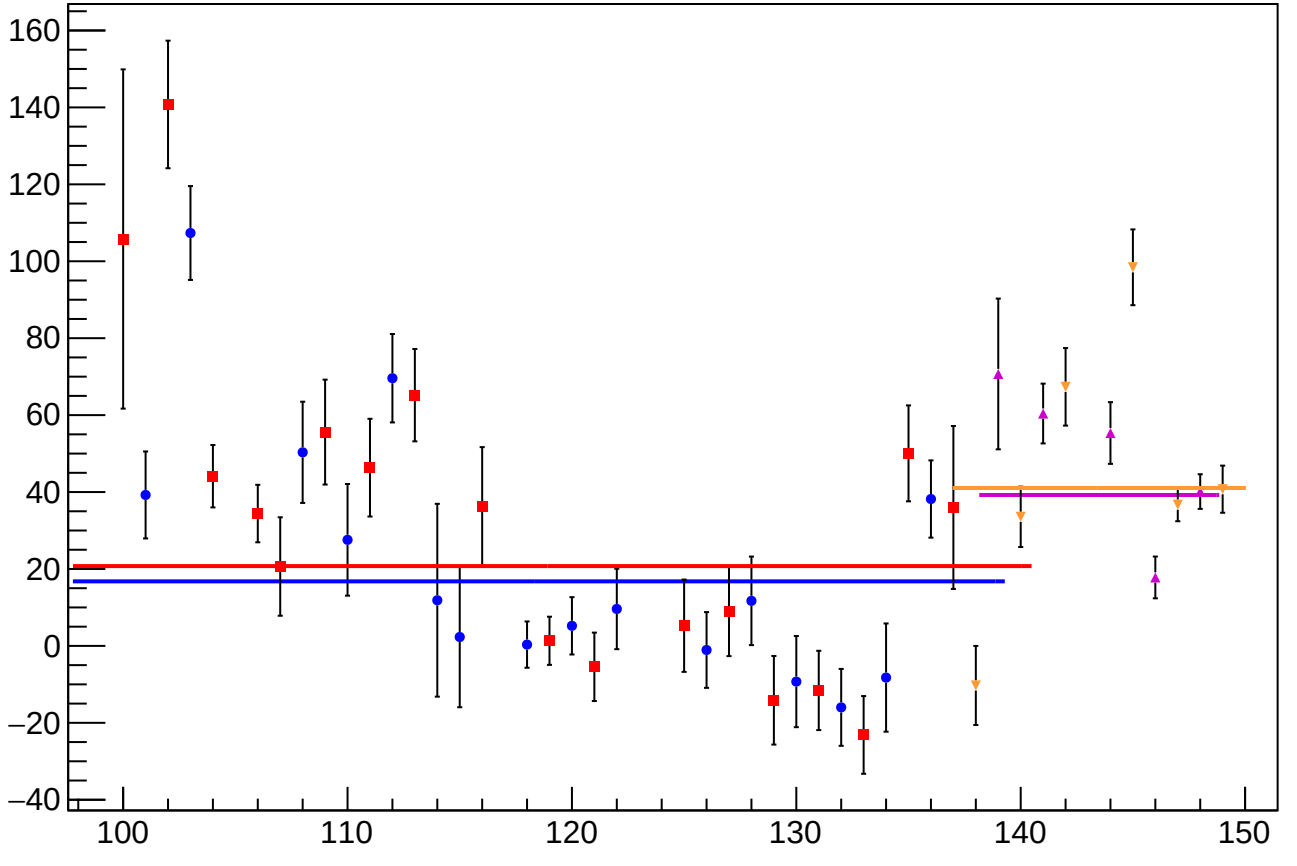
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -509.508+/-2.286 χ^2/NDF:2155.5/20

Out: -472.726+/-2.139 χ^2/NDF:4546.8/23

All: -489.895+/-1.562 χ^2/NDF: 6840.4/44

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: 41.054+/-2.812 χ^2/NDF:67.6/5

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: 40.177+/-2.023 χ^2/NDF: 97.4/10

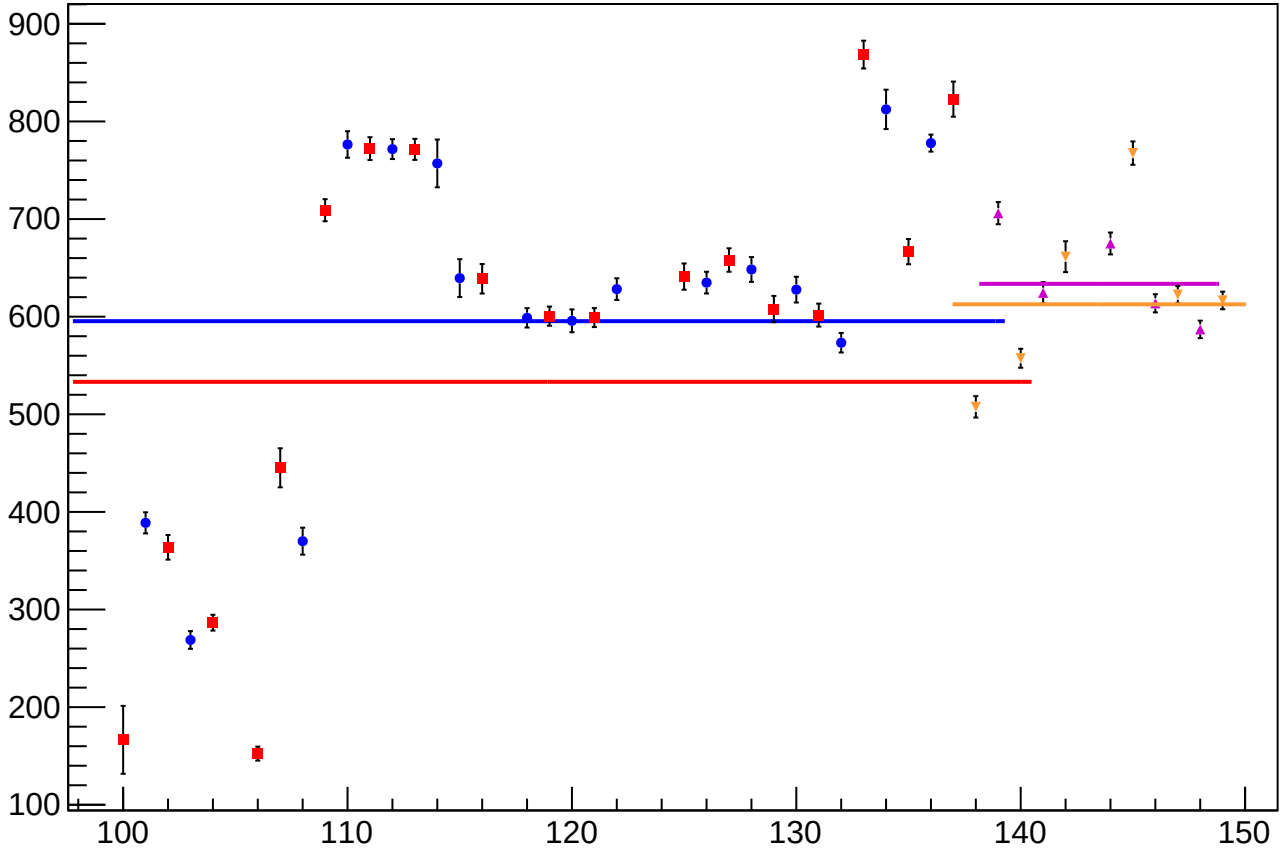
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 26.968+/-1.962 χ^2/NDF:187.1/20

Out: 29.905+/-1.888 χ^2/NDF:254.2/23

All: 28.493+/-1.360 χ^2/NDF: 442.4/44

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: 612.656+/-4.253 χ^2/NDF:302.5/5

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: 622.419+/-3.110 χ^2/NDF: 400.5/10

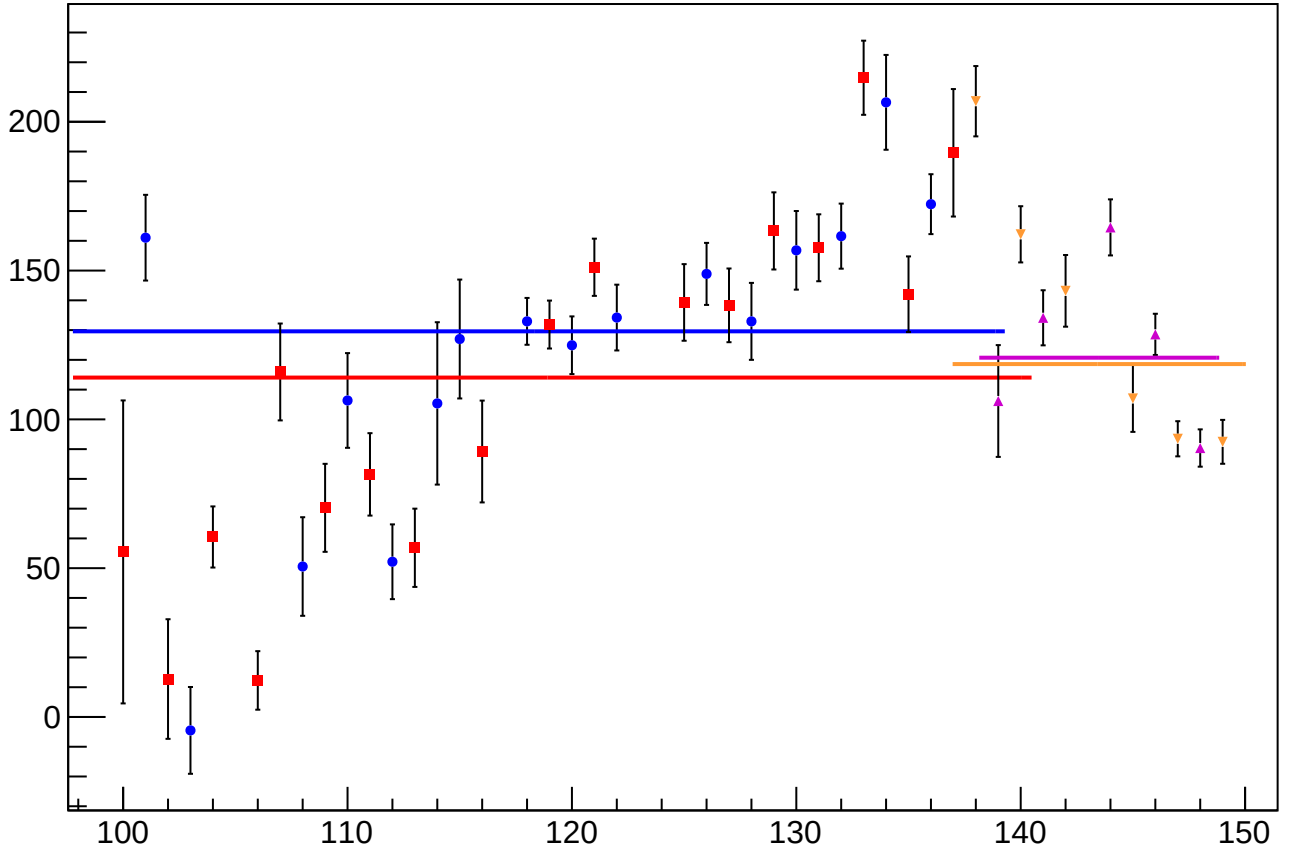
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 606.577+/-2.465 χ^2/NDF:3196.1/20

Out: 556.633+/-2.307 χ^2/NDF:7051.2/23

All: 579.956+/-1.684 χ^2/NDF: 10466.2/44

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 118.583+/-3.530 χ^2/NDF:113.1/5

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 120.726+/-3.724 χ^2/NDF:49.0/4

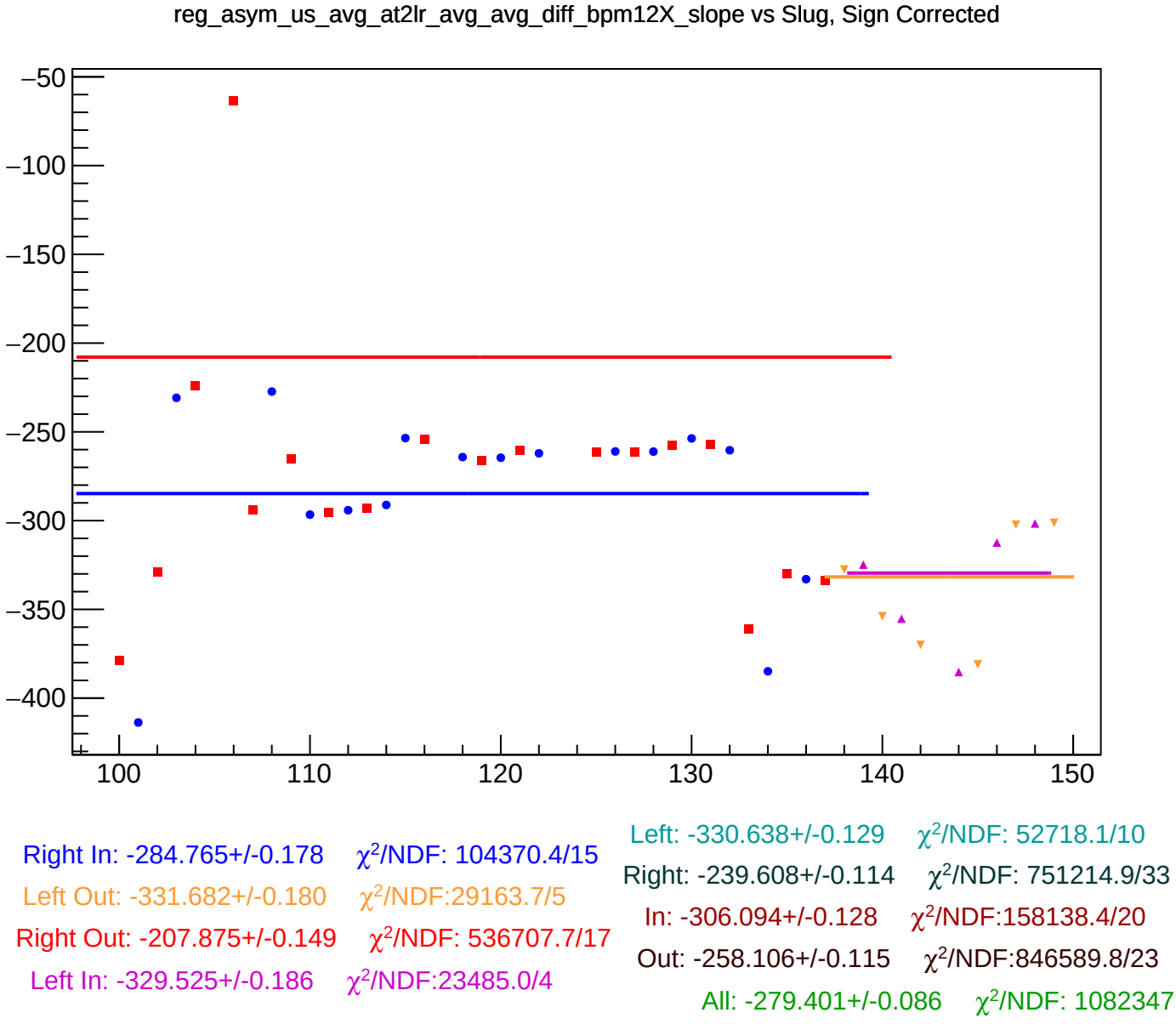
Left: 119.597+/-2.562 χ^2/NDF: 162.3/10

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

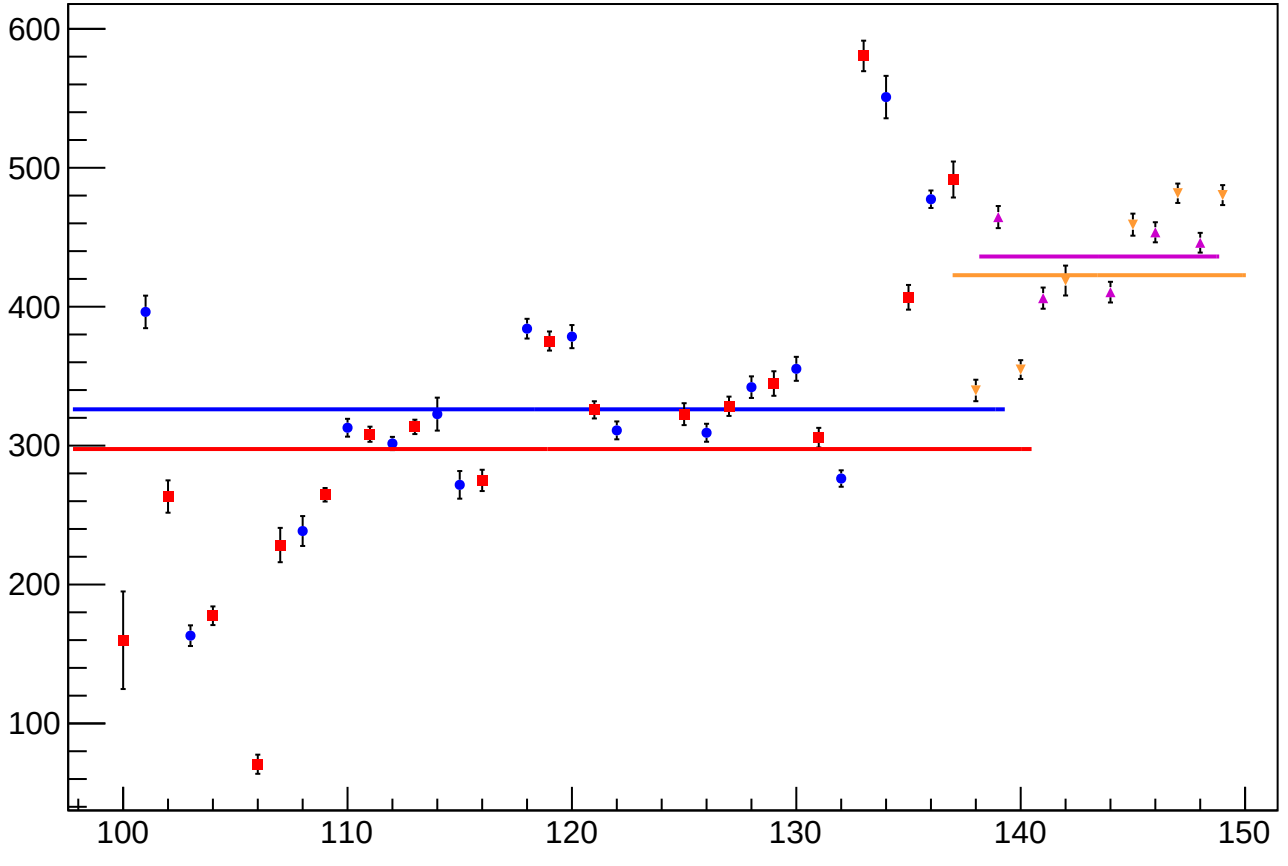
In: 125.986+/-2.374 χ^2/NDF:263.6/20

Out: 115.932+/-2.275 χ^2/NDF:450.0/23

All: 120.746+/-1.643 χ^2/NDF: 722.9/44


reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
Right In: -284.765+/-0.178 χ²/NDF: 104370.4/15
Left Out: -331.682+/-0.180 χ²/NDF:29163.7/5
Right Out: -207.875+/-0.149 χ²/NDF: 536707.7/17
Left In: -329.525+/-0.186 χ²/NDF:23485.0/4
Left: -330.638+/-0.129 χ²/NDF: 52718.1/10
Right: -239.608+/-0.114 χ²/NDF: 751214.9/33
In: -306.094+/-0.128 χ²/NDF:158138.4/20
Out: -258.106+/-0.115 χ²/NDF:846589.8/23
All: -279.401+/-0.086 χ²/NDF: 1082347.1/44

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: 422.679+/-3.115 χ^2/NDF:373.1/5

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: 428.954+/-2.276 χ^2/NDF: 429.7/10

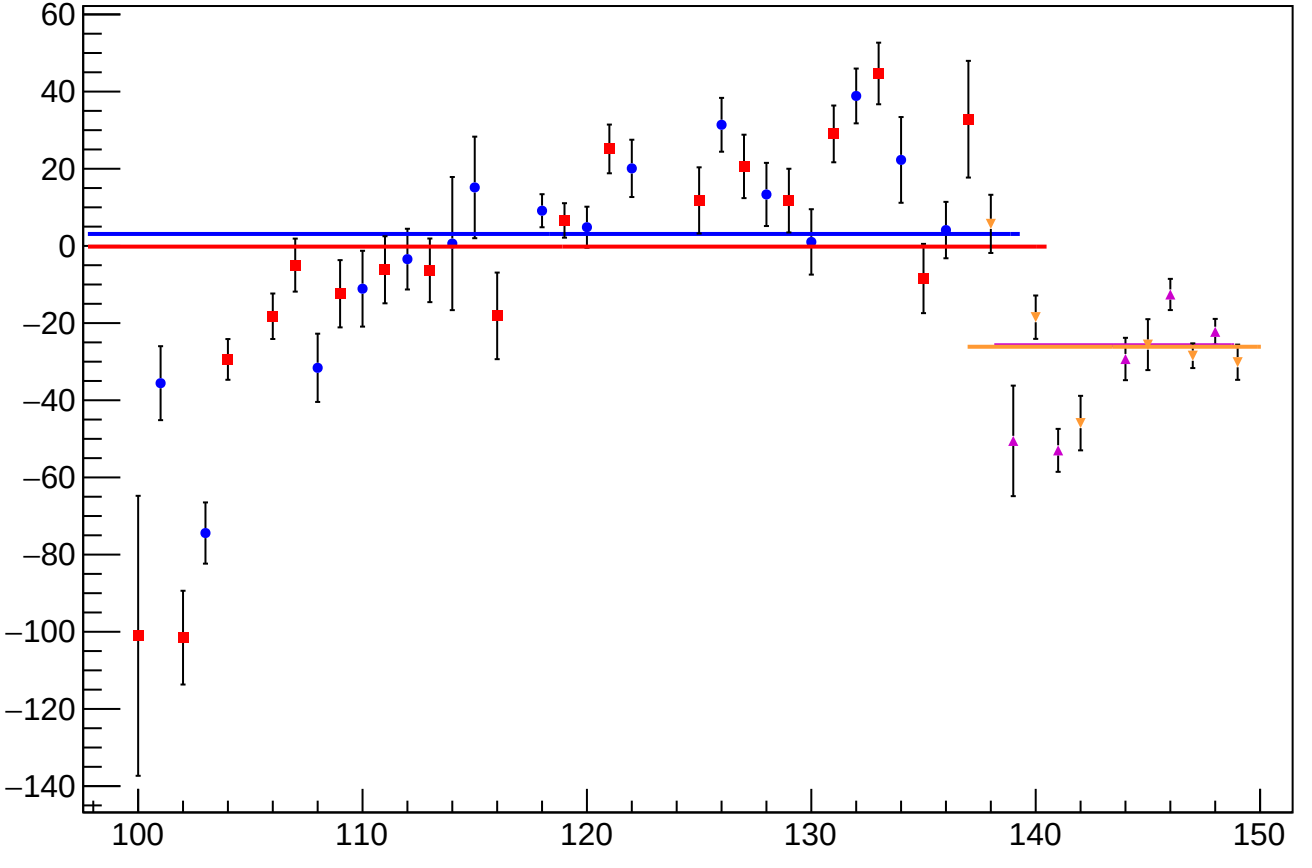
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 352.189+/-1.622 χ^2/NDF:2522.2/20

Out: 327.151+/-1.516 χ^2/NDF:4380.2/23

All: 338.821+/-1.107 χ^2/NDF: 7029.5/44

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: -26.131+/-2.051 χ^2/NDF:28.9/5

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: -25.946+/-1.477 χ^2/NDF: 67.9/10

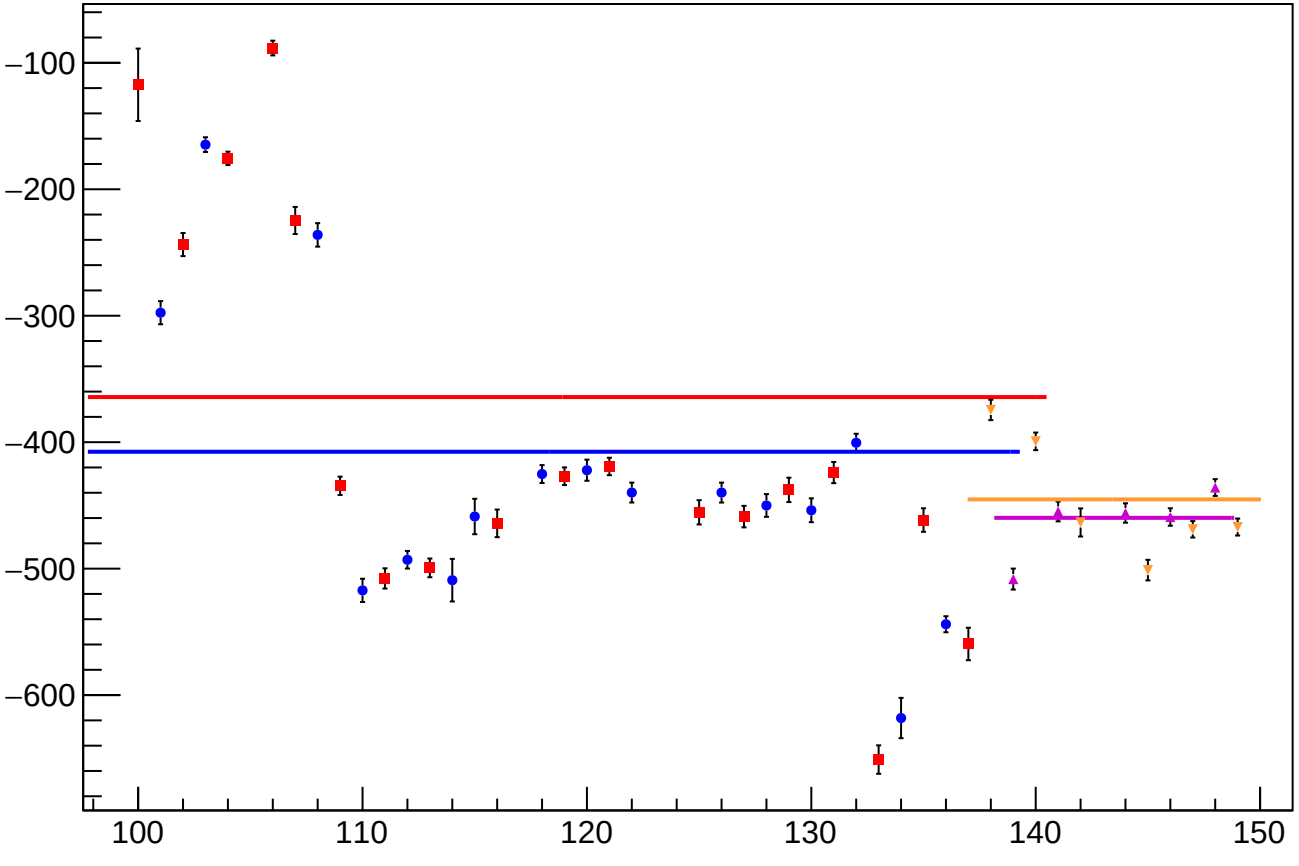
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -9.642+/-1.414 χ^2/NDF:326.3/20

Out: -11.408+/-1.349 χ^2/NDF:324.9/23

All: -10.566+/-0.976 χ^2/NDF: 652.0/44

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: -445.245+/-3.085 χ^2/NDF:194.3/5

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: -452.032+/-2.255 χ^2/NDF: 252.5/10

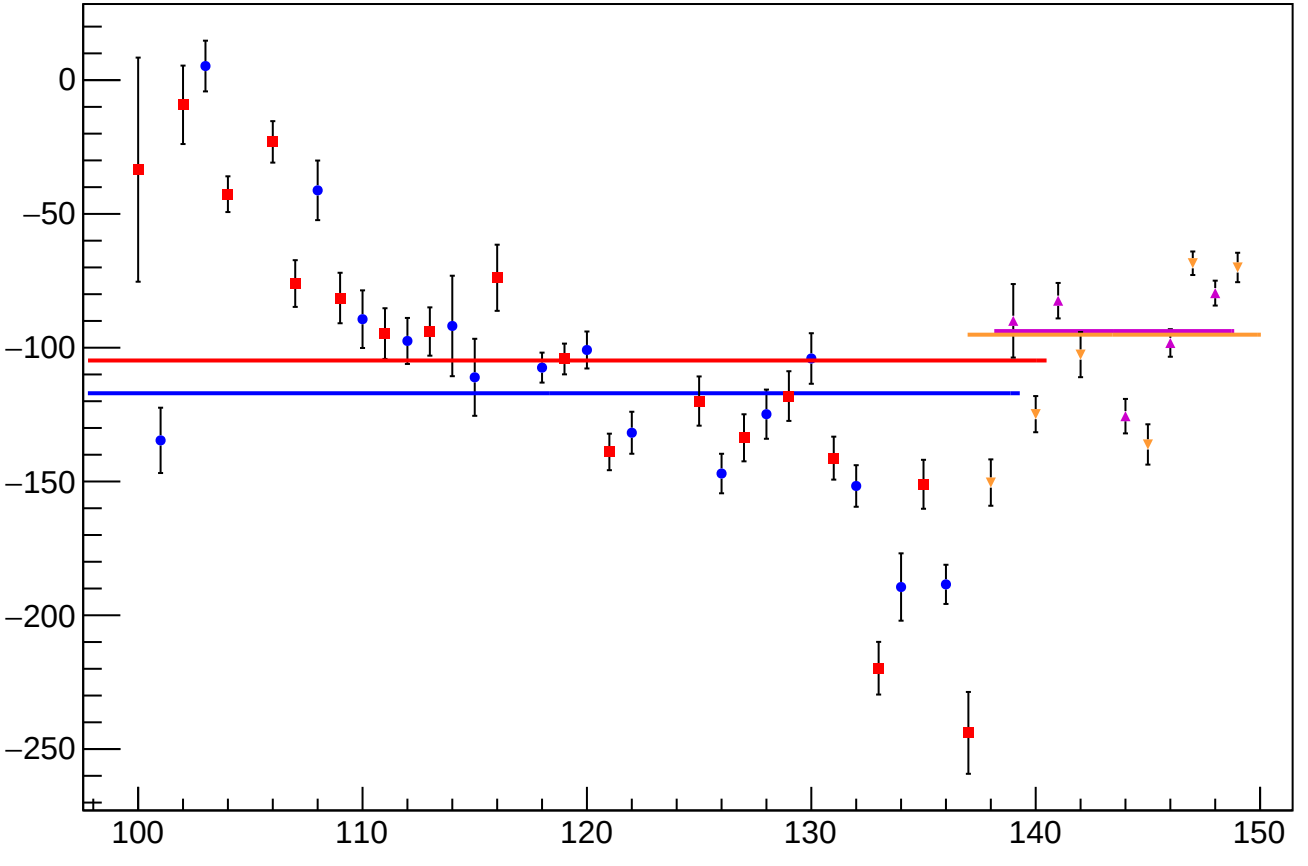
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -422.329+/-1.757 χ^2/NDF:3507.6/20

Out: -387.299+/-1.644 χ^2/NDF:6907.5/23

All: -403.650+/-1.200 χ^2/NDF: 10627.2/44

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -95.132+/-2.568 χ^2/NDF:148.1/5

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: -94.495+/-1.864 χ^2/NDF: 185.7/10

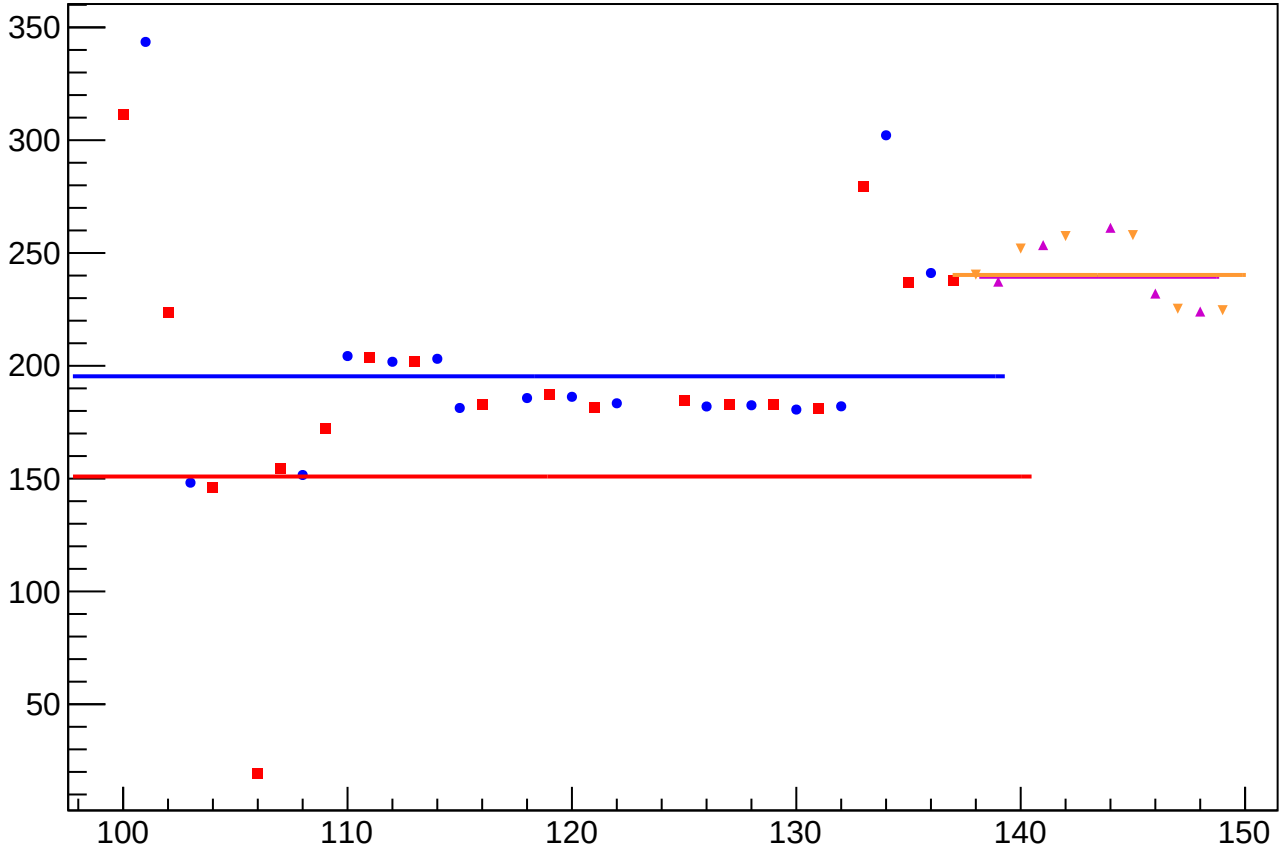
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -107.823+/-1.706 χ^2/NDF:489.6/20

Out: -100.933+/-1.621 χ^2/NDF:731.7/23

All: -104.203+/-1.175 χ^2/NDF: 1229.9/44

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: 240.272+/-0.130 χ^2/NDF:11581.4/5

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 239.463+/-0.135 χ^2/NDF:9884.3/4

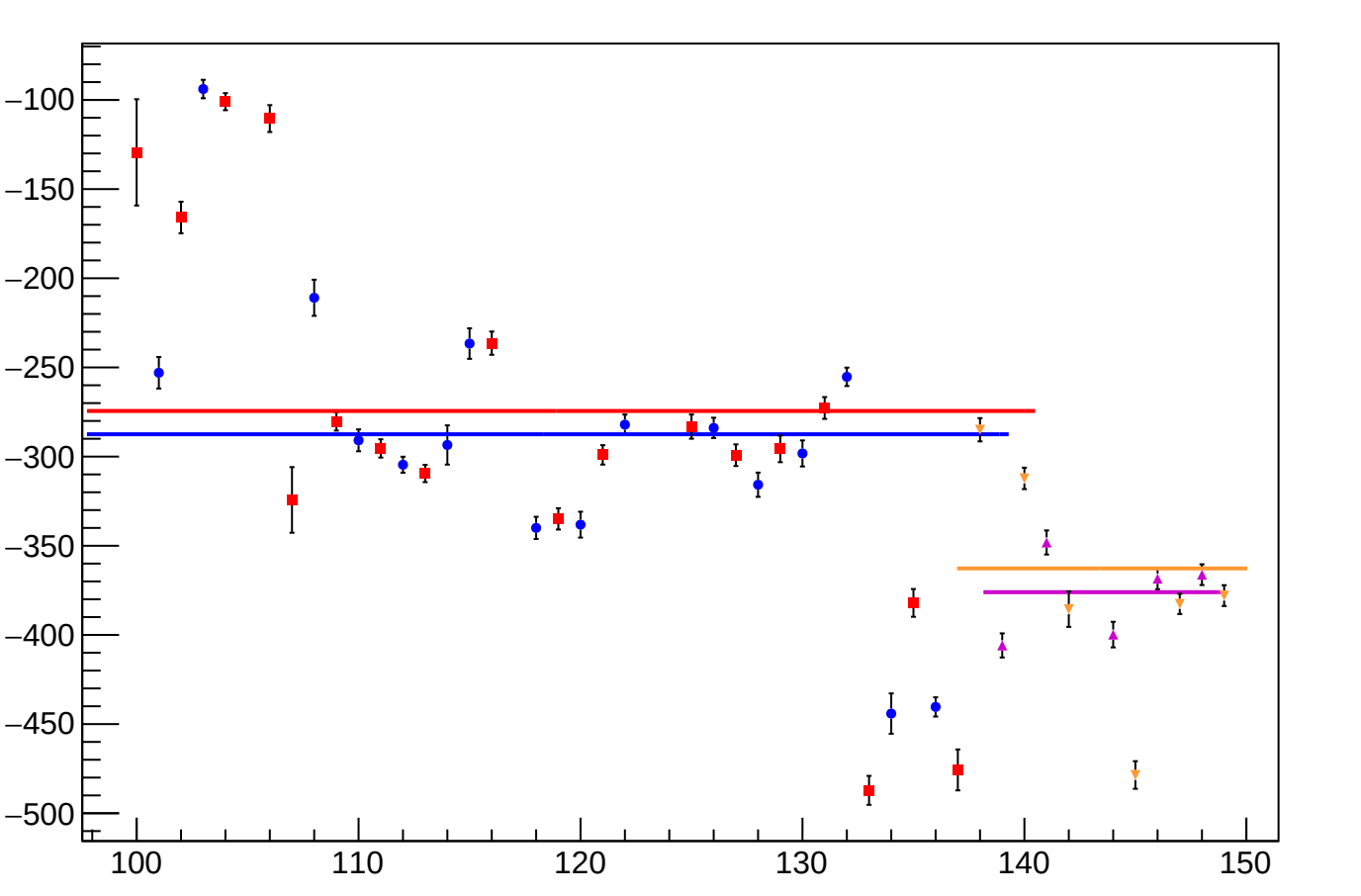
Left: 239.882+/-0.094 χ^2/NDF: 21484.3/10

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 215.619+/-0.092 χ^2/NDF:244422.0/20

Out: 188.115+/-0.084 χ^2/NDF:784515.1/23

All: 200.704+/-0.062 χ^2/NDF: 1077800.3/44



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -362.711+/-2.690 χ^2/NDF:461.2/5

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -376.026+/-2.873 χ^2/NDF:52.0/4

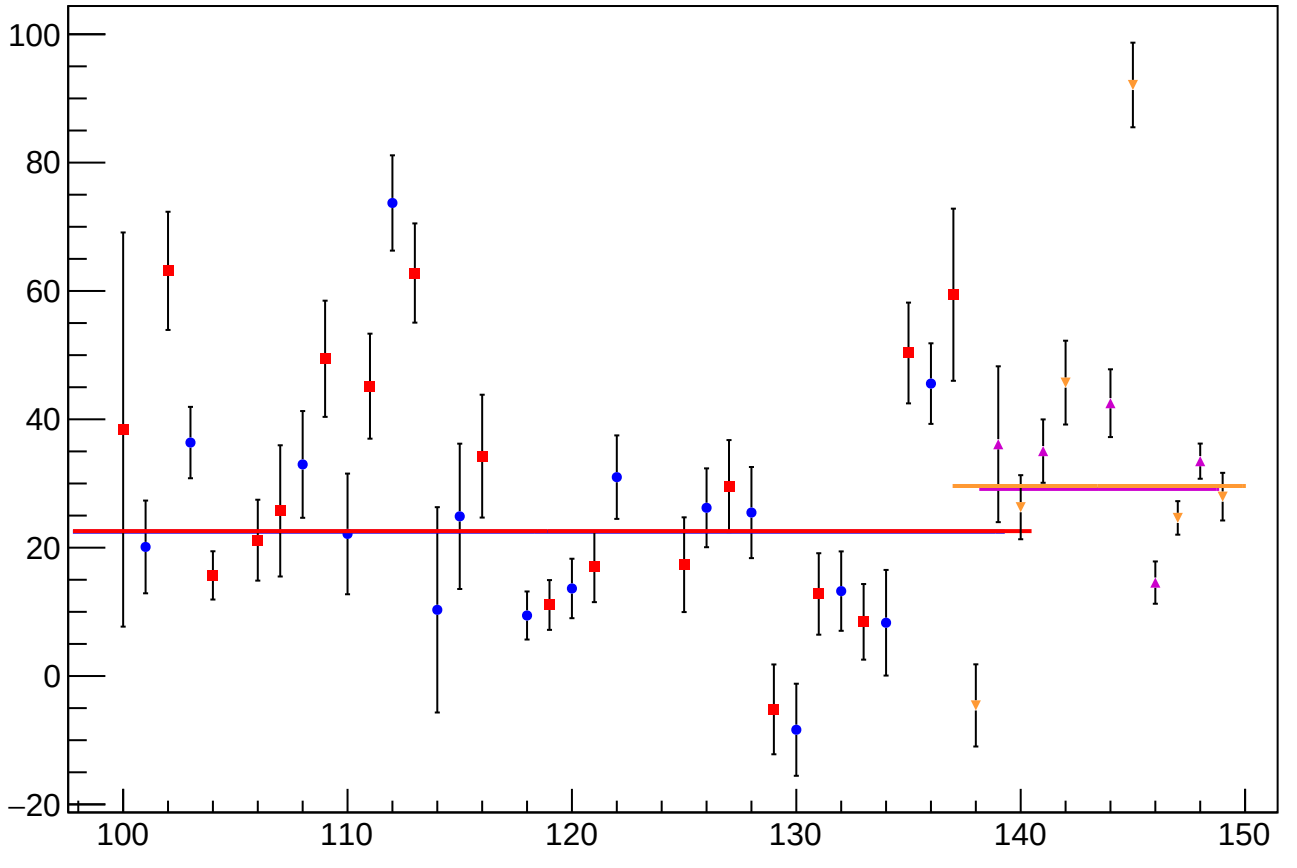
Left: -368.931+/-1.963 χ^2/NDF: 524.6/10

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

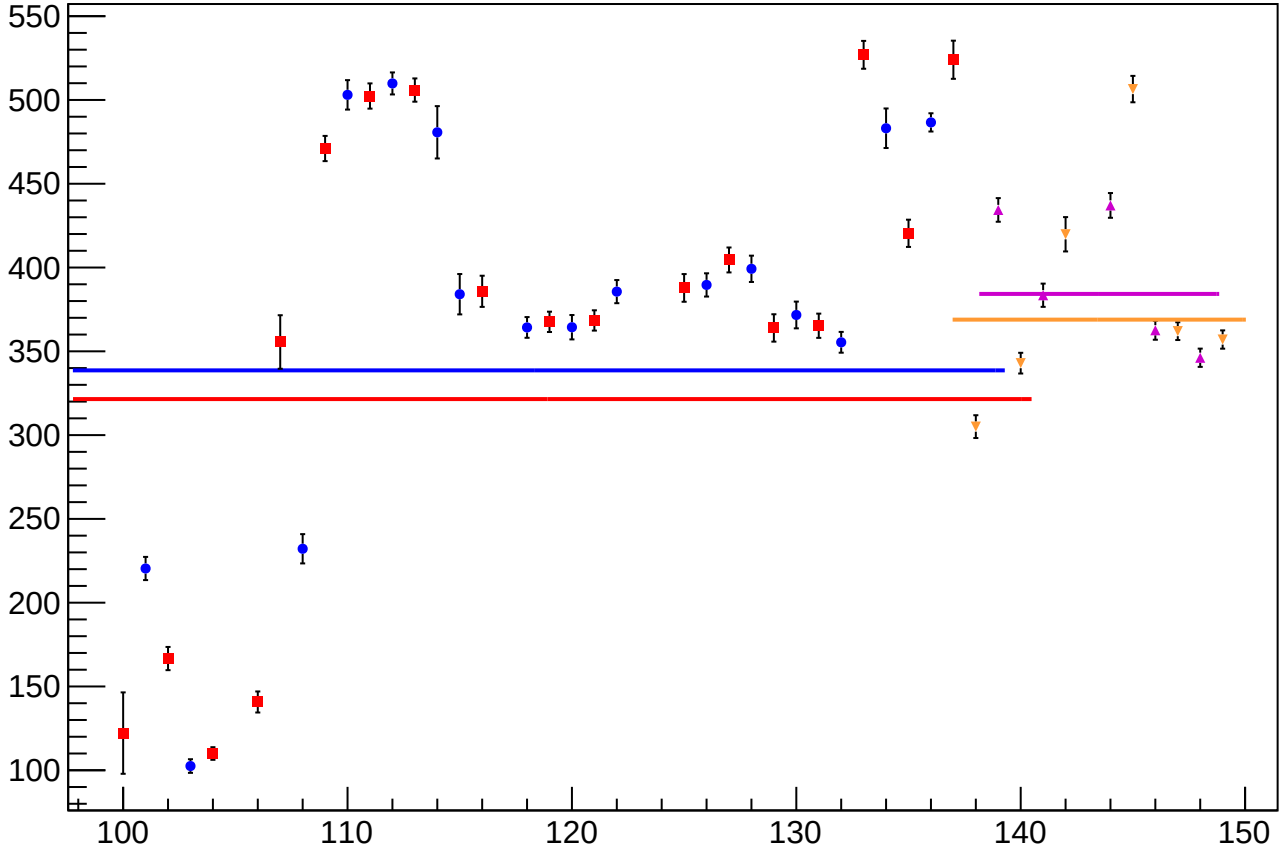
In: -308.664+/-1.405 χ^2/NDF:3471.2/20

Out: -296.459+/-1.344 χ^2/NDF:4683.3/23

All: -302.289+/-0.971 χ^2/NDF: 8193.9/44


reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: 22.492+/-1.621 χ²/NDF: 111.4/15
Left Out: 29.610+/-1.741 χ²/NDF:128.7/5
Right Out: 22.580+/-1.570 χ²/NDF: 123.3/17
Left In: 29.154+/-1.799 χ²/NDF:30.3/4
Left: 29.390+/-1.251 χ²/NDF: 159.0/10
Right: 22.537+/-1.128 χ²/NDF: 234.8/33
In: 25.476+/-1.204 χ²/NDF:149.3/20
Out: 25.733+/-1.166 χ²/NDF:261.1/23
All: 25.609+/-0.838 χ²/NDF: 410.3/44

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: 368.912+/-2.649 χ^2/NDF:441.9/5

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 384.254+/-2.839 χ^2/NDF:165.2/4

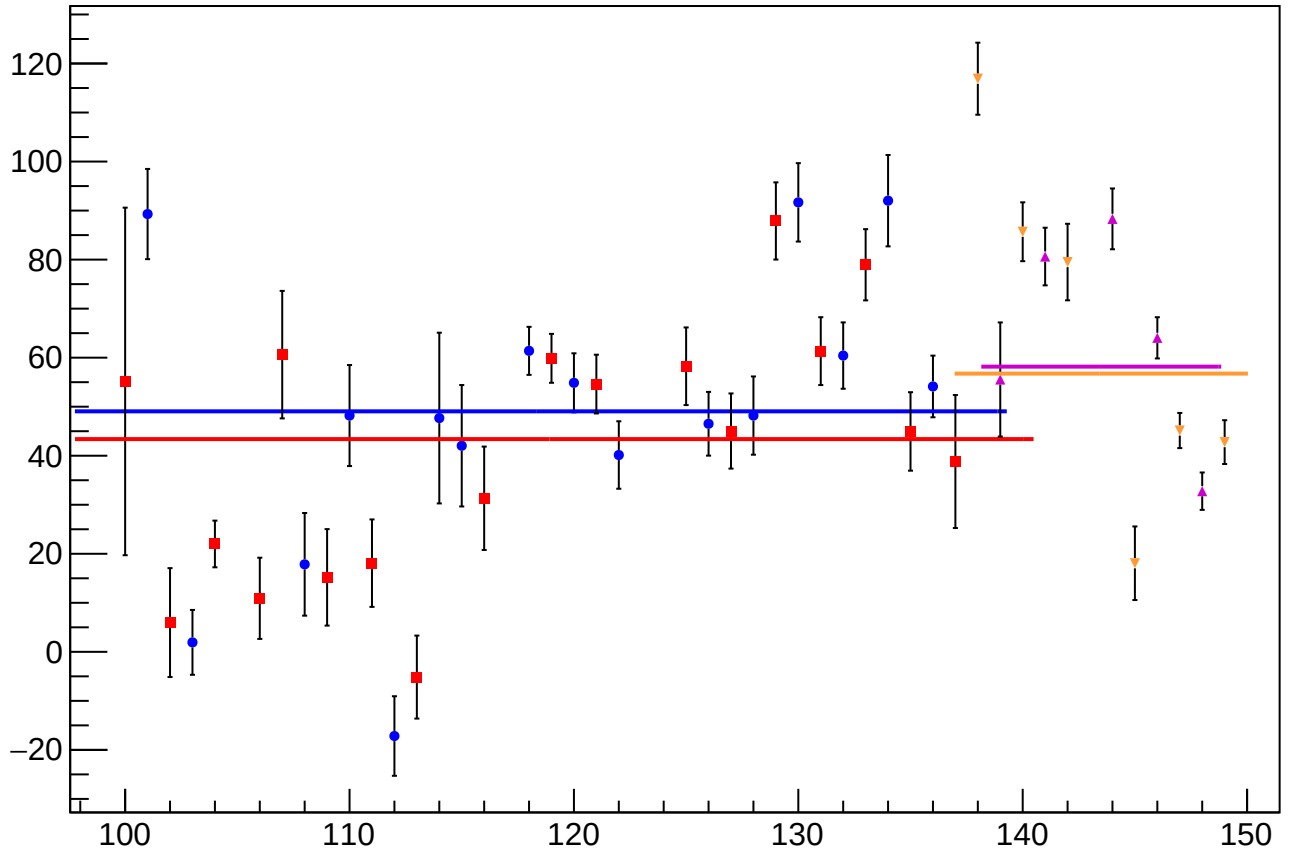
Left: 376.053+/-1.937 χ^2/NDF: 622.7/10

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.178+/-1.489 χ^2/NDF:6395.1/20

Out: 335.265+/-1.427 χ^2/NDF:8390.1/23

All: 342.887+/-1.030 χ^2/NDF: 14844.7/44



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 56.752+/-2.191 χ^2/NDF:145.5/5

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 58.173+/-2.308 χ^2/NDF:84.6/4

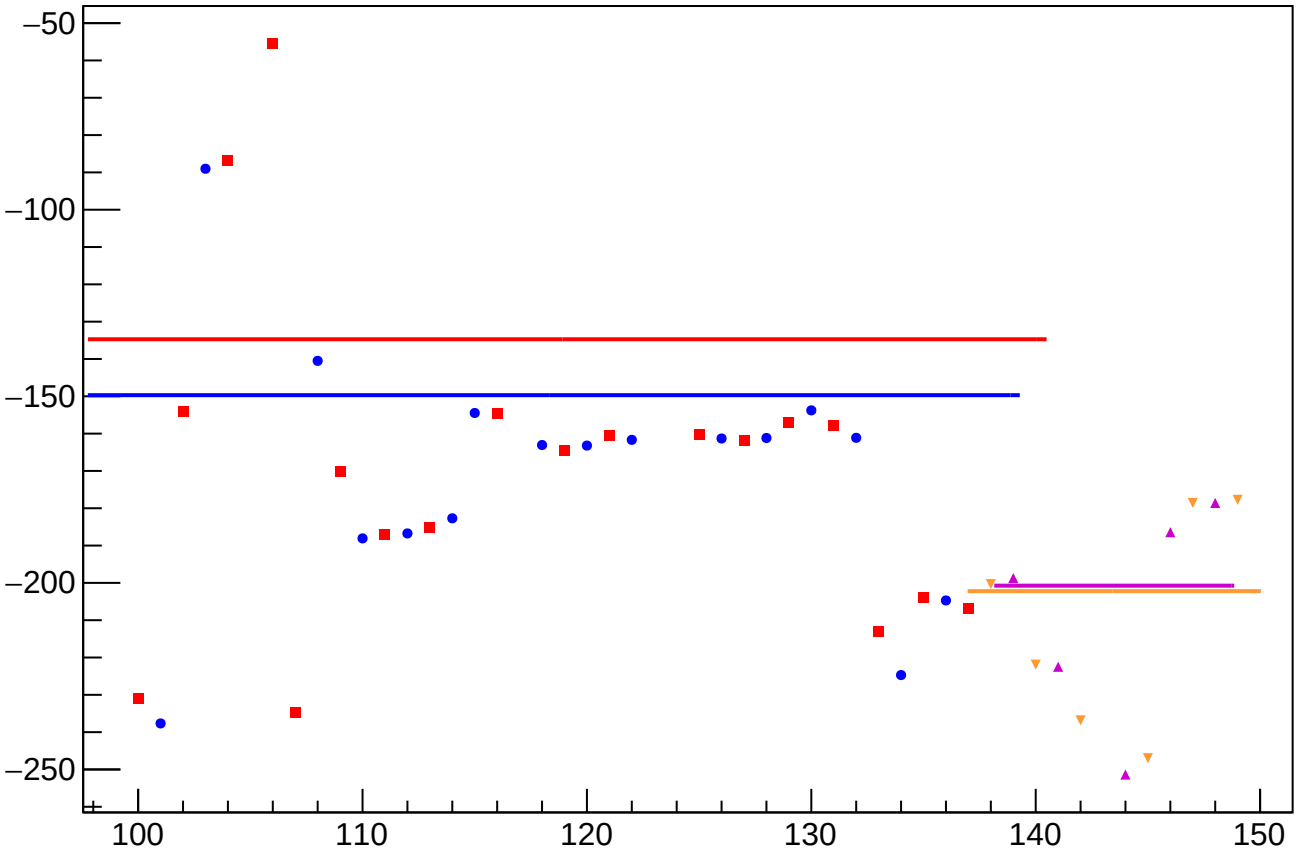
Left: 57.425+/-1.589 χ^2/NDF: 230.3/10

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 52.695+/-1.459 χ^2/NDF:301.9/20

Out: 48.896+/-1.406 χ^2/NDF:347.4/23

All: 50.726+/-1.012 χ^2/NDF: 652.8/44



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -202.214+/-0.112 χ^2/NDF:53907.9/5

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: -201.502+/-0.081 χ^2/NDF: 96779.8/10

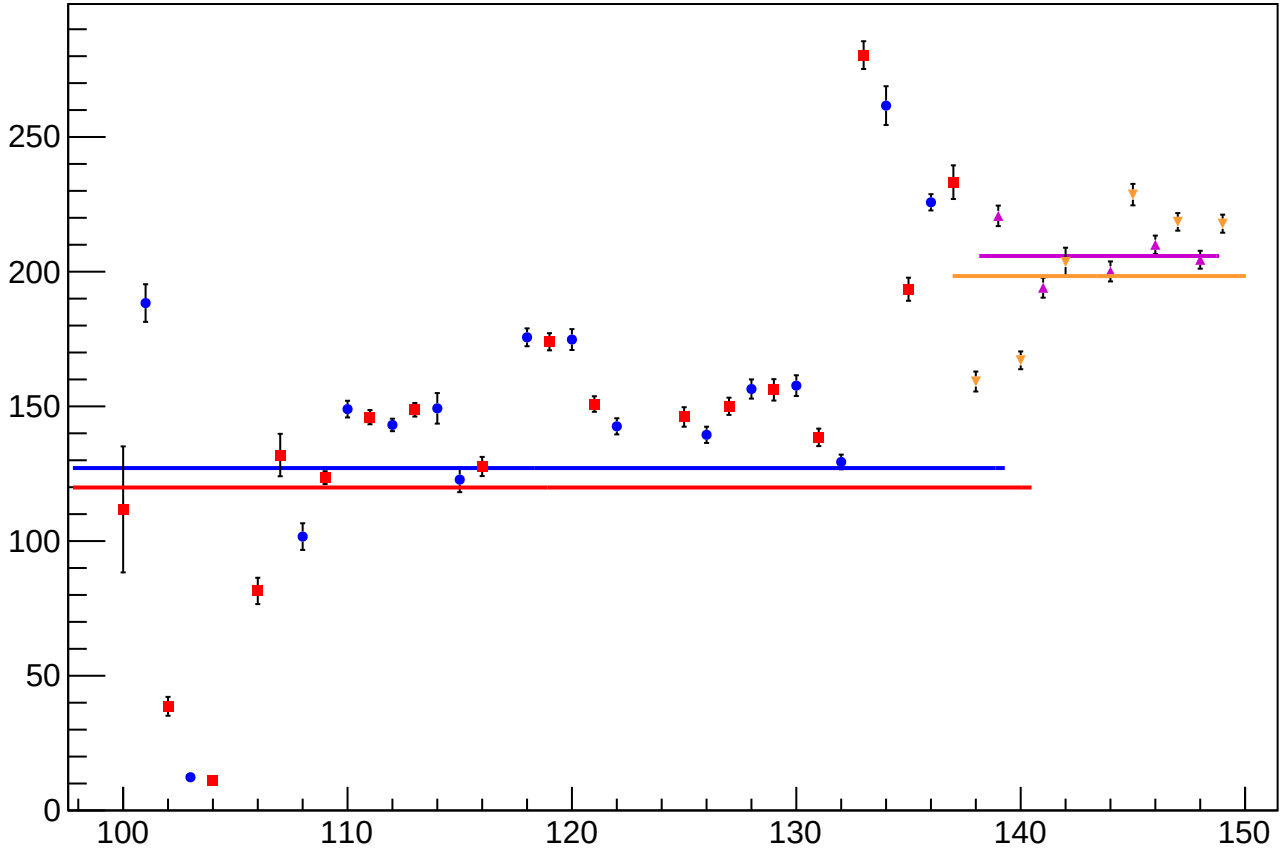
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -171.735+/-0.076 χ^2/NDF:409929.3/20

Out: -163.569+/-0.073 χ^2/NDF:573560.2/23

All: -167.509+/-0.053 χ^2/NDF: 989463.1/44

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: 198.374+/-1.498 χ^2/NDF:331.5/5

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: 201.856+/-1.093 χ^2/NDF: 372.5/10

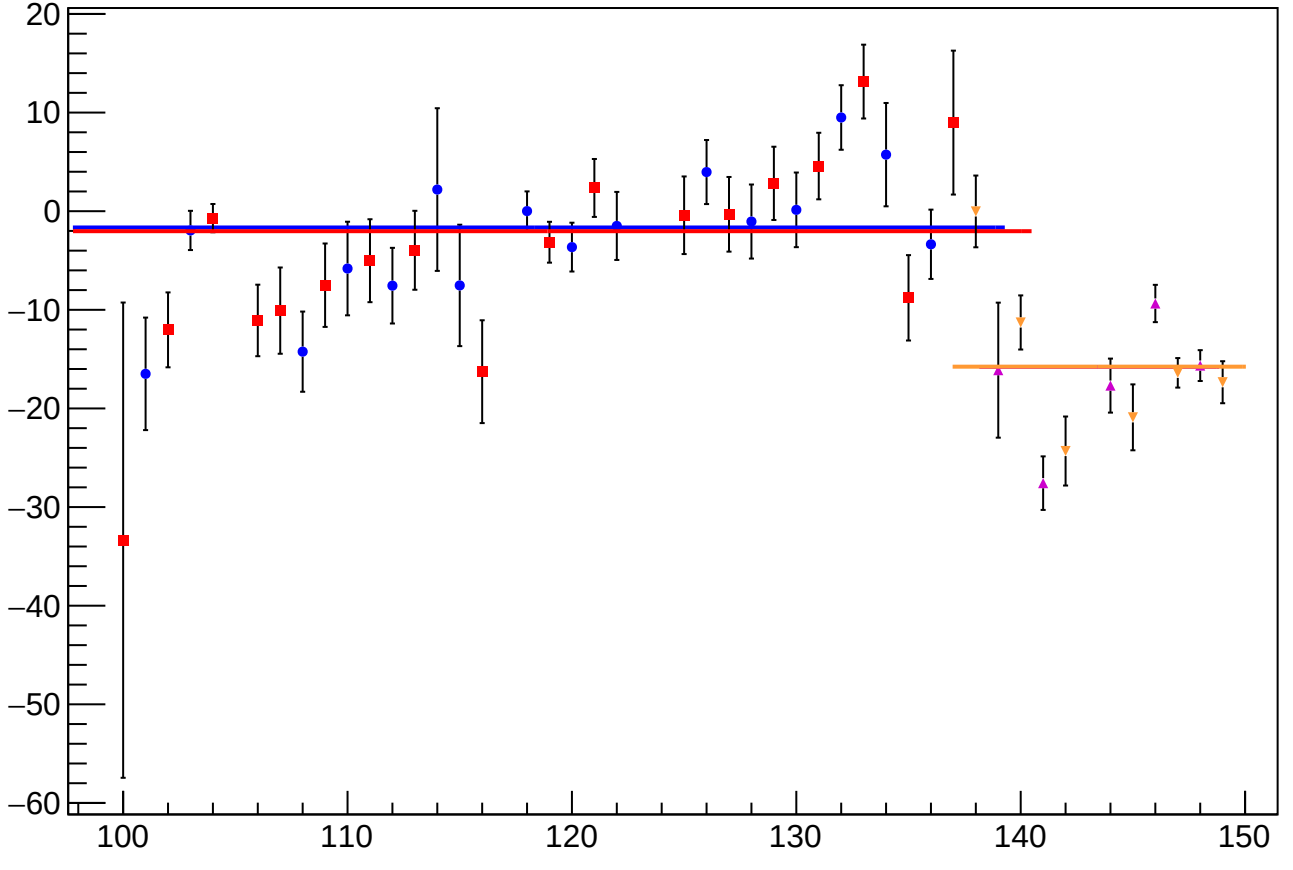
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 143.208+/-0.723 χ^2/NDF:8121.6/20

Out: 136.440+/-0.688 χ^2/NDF:9148.7/23

All: 139.655+/-0.498 χ^2/NDF: 17316.3/44

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -15.765+/-0.978 χ^2/NDF:30.5/5

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.795+/-1.011 χ^2/NDF:30.9/4

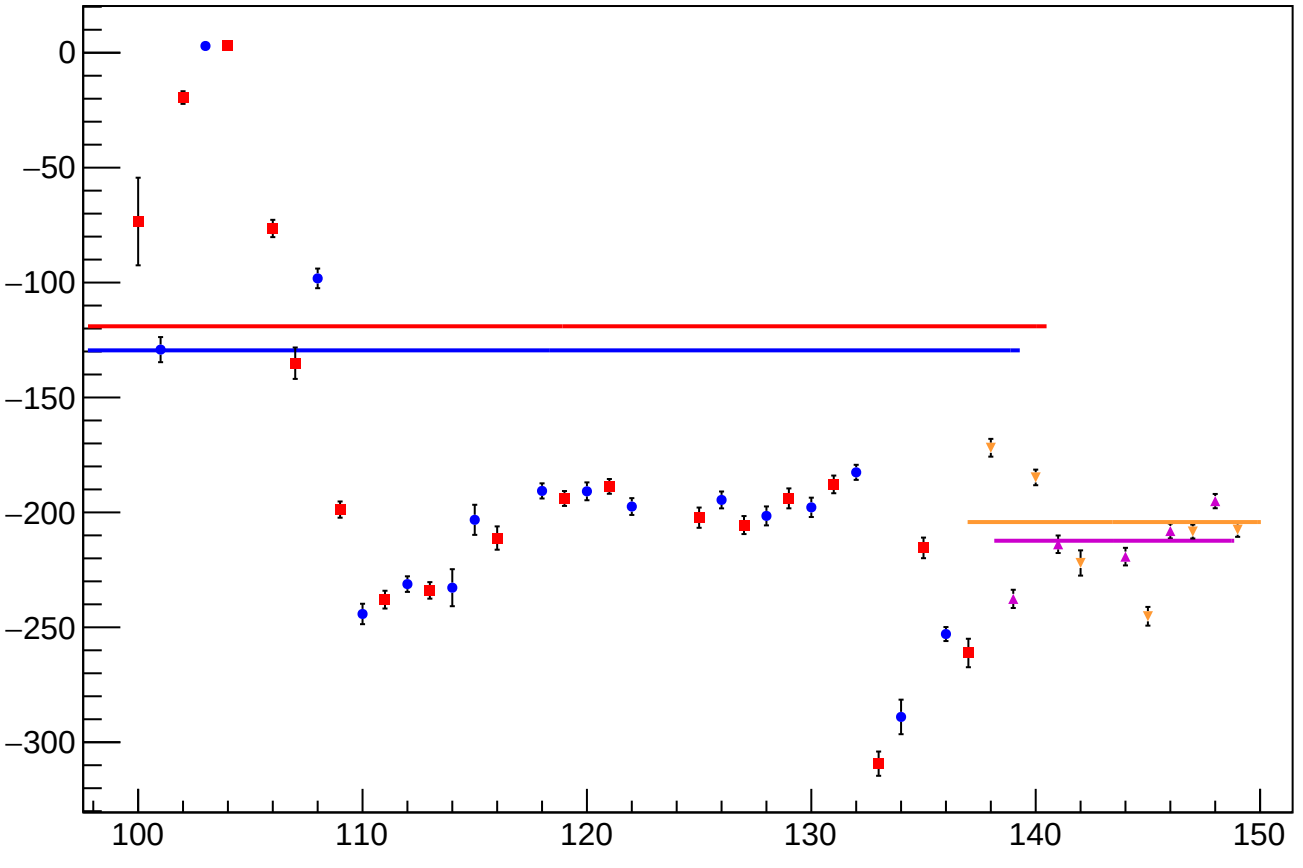
Left: -15.779+/-0.703 χ^2/NDF: 61.4/10

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.368+/-0.643 χ^2/NDF:186.6/20

Out: -7.289+/-0.605 χ^2/NDF:210.9/23

All: -7.326+/-0.441 χ^2/NDF: 397.5/44



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -204.201+/-1.479 χ^2/NDF:217.3/5

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: -207.990+/-1.081 χ^2/NDF: 308.0/10

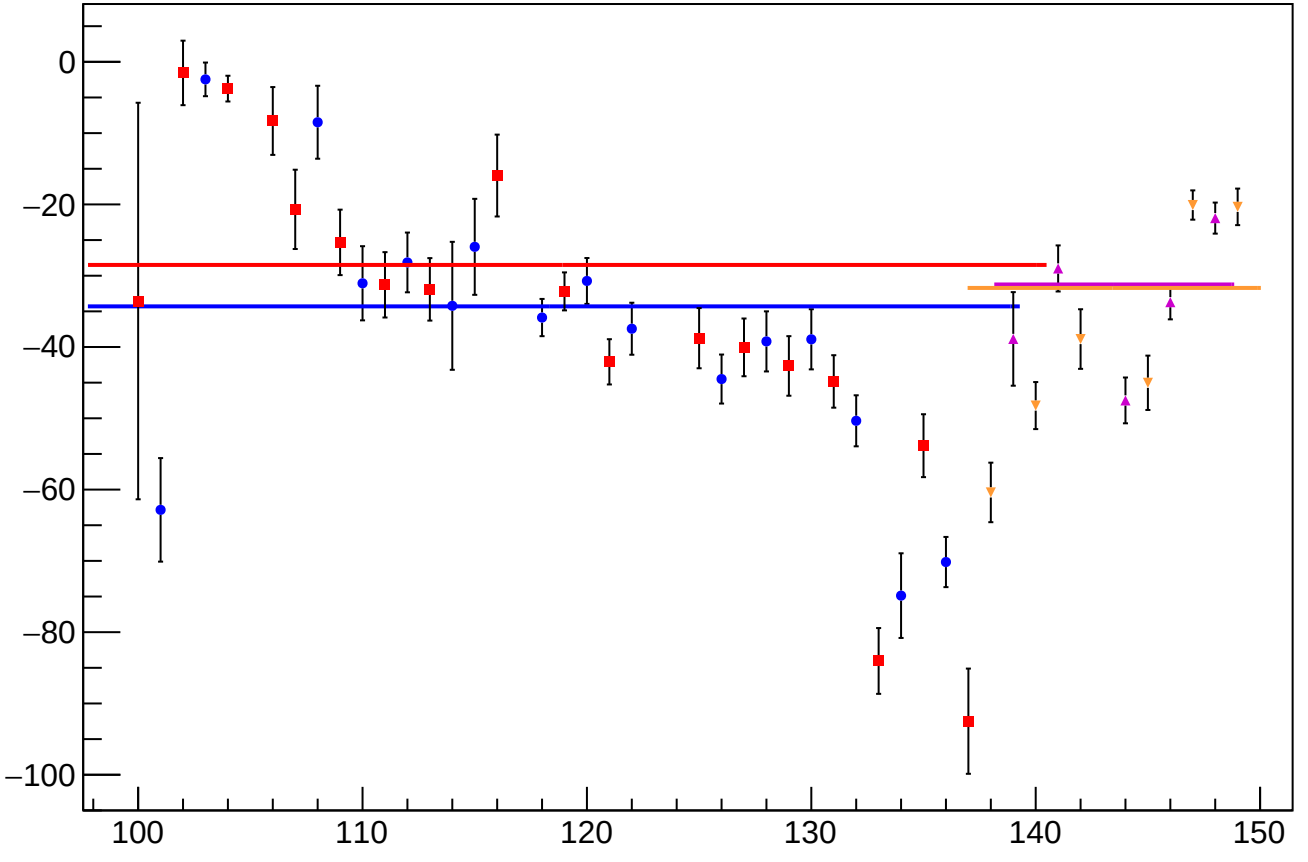
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -147.913+/-0.746 χ^2/NDF:16893.9/20

Out: -138.783+/-0.712 χ^2/NDF:18942.5/23

All: -143.135+/-0.515 χ^2/NDF: 35914.8/44

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: -31.714+/-1.227 χ^2/NDF:139.1/5

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: -31.485+/-0.890 χ^2/NDF: 185.9/10

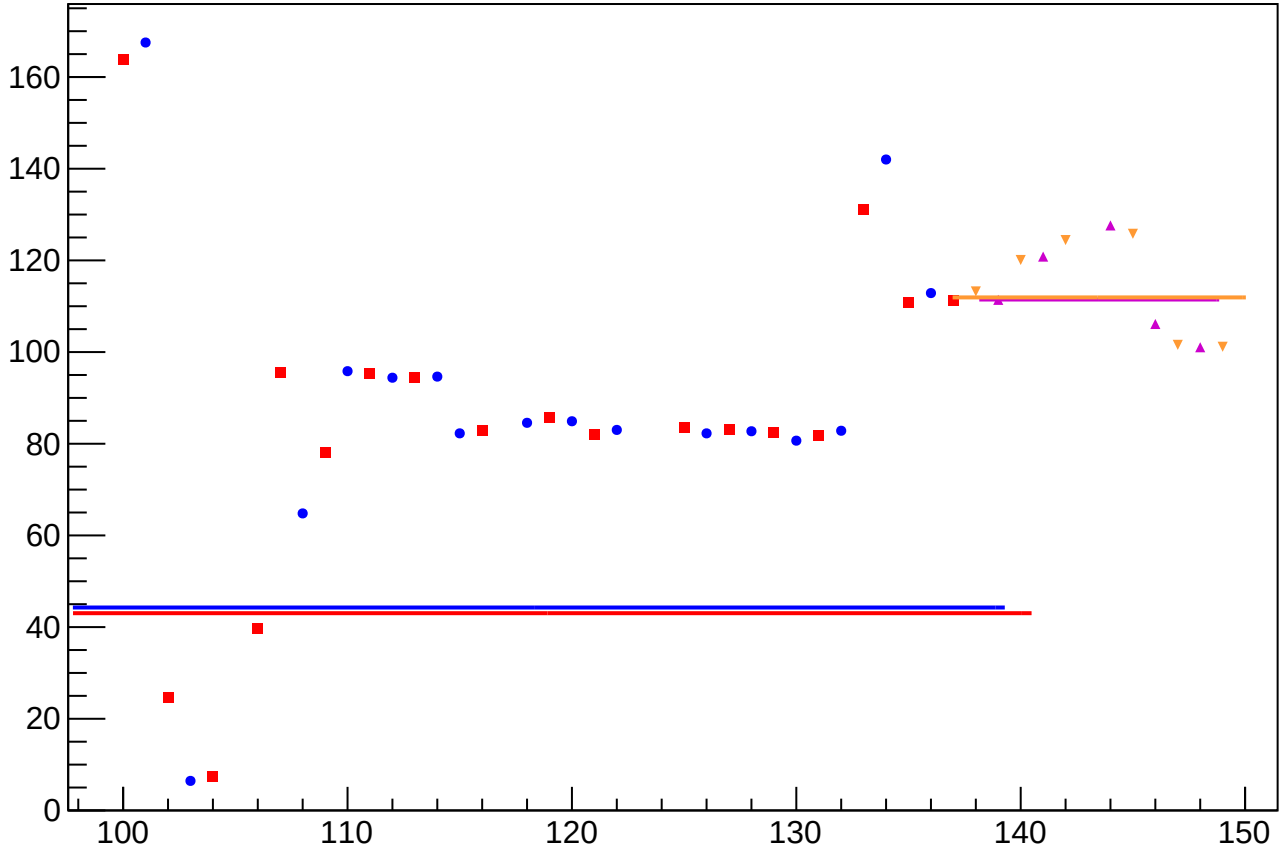
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -33.197+/-0.775 χ^2/NDF:461.7/20

Out: -29.628+/-0.729 χ^2/NDF:711.6/23

All: -31.305+/-0.531 χ^2/NDF: 1184.5/44

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: 111.922+/-0.063 χ^2/NDF:25983.1/5

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 111.465+/-0.065 χ^2/NDF:20785.0/4

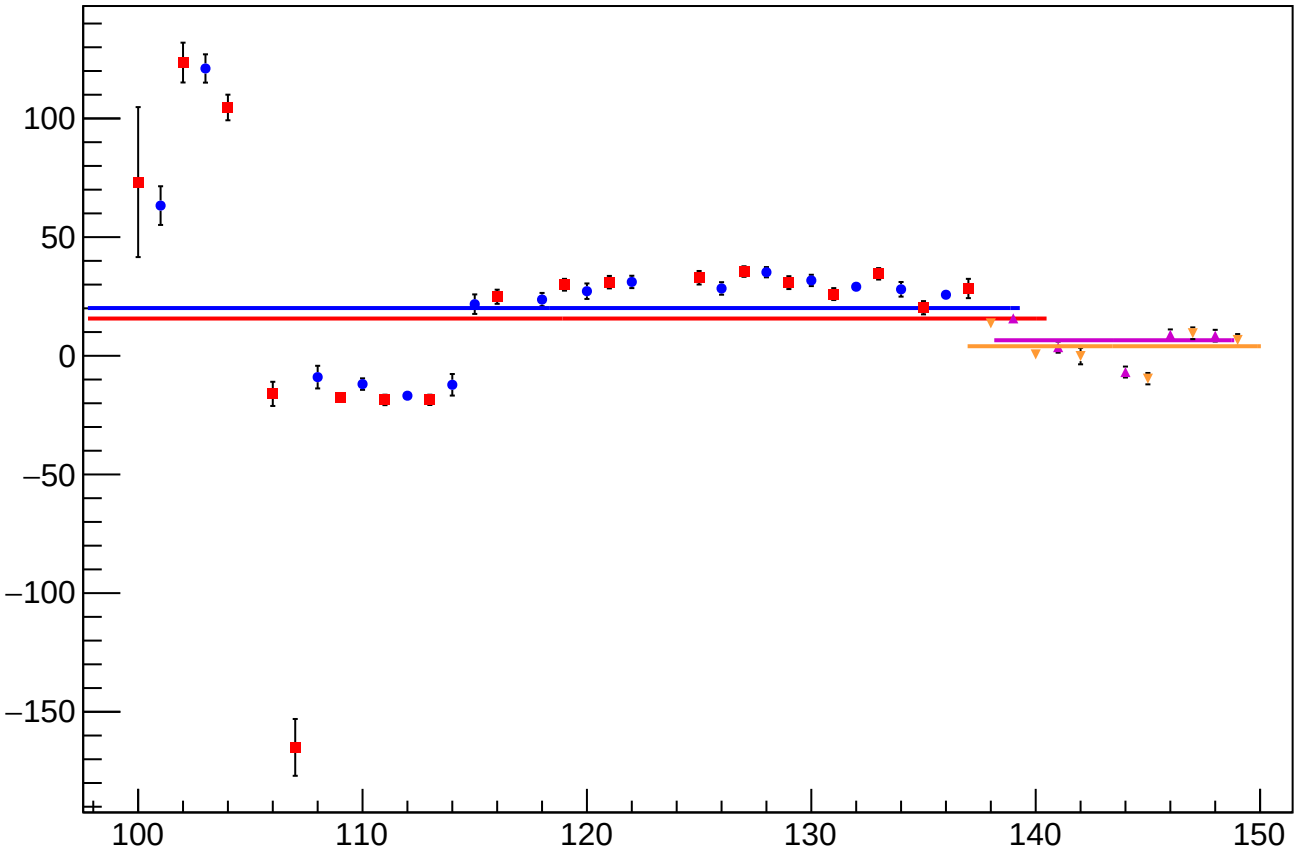
Left: 111.701+/-0.045 χ^2/NDF: 46794.0/10

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 66.168+/-0.037 χ^2/NDF:1834209.3/20

Out: 66.535+/-0.037 χ^2/NDF:1629260.0/23

All: 66.353+/-0.026 χ^2/NDF: 3463519.2/44



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 4.030+/-0.979 χ^2/NDF:63.9/5

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.554+/-1.013 χ^2/NDF:57.9/4

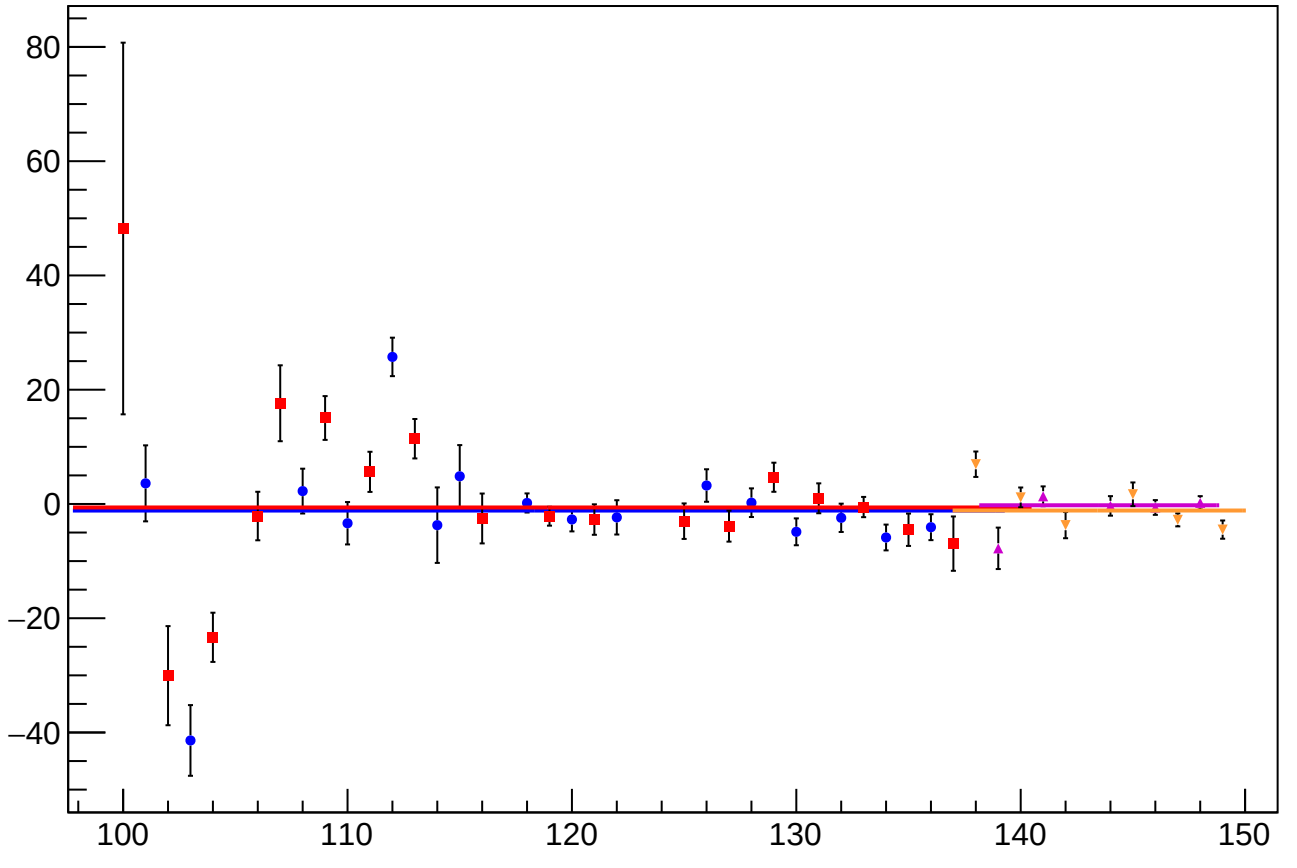
Left: 5.249+/-0.704 χ^2/NDF: 125.0/10

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 15.845+/-0.569 χ^2/NDF:1228.8/20

Out: 11.889+/-0.560 χ^2/NDF:1933.3/23

All: 13.836+/-0.399 χ^2/NDF: 3186.7/44



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.146+/-0.687 χ^2/NDF:24.6/5

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: -0.690+/-0.487 χ^2/NDF: 30.8/10

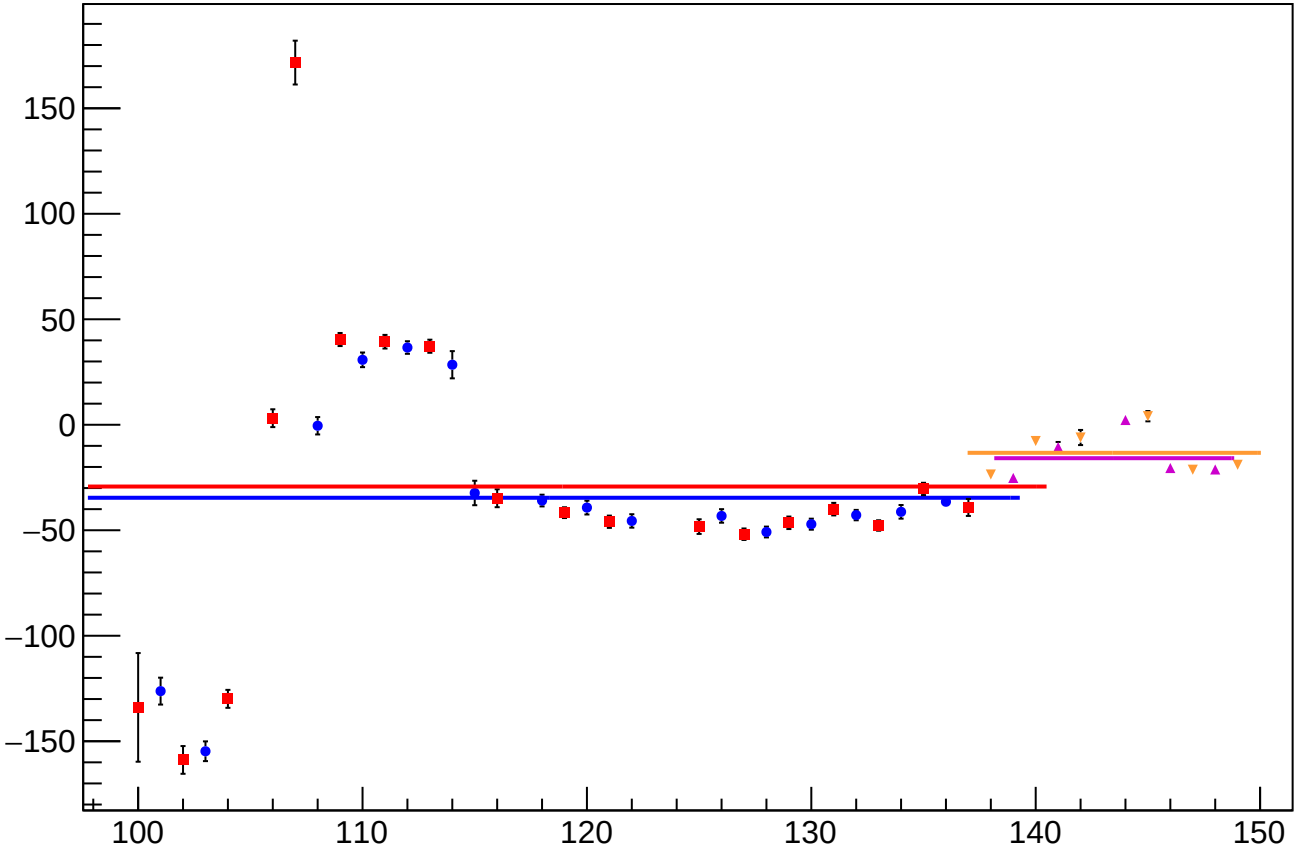
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.684+/-0.492 χ^2/NDF:128.1/20

Out: -0.890+/-0.495 χ^2/NDF:118.2/23

All: -0.787+/-0.349 χ^2/NDF: 246.4/44

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: -13.295+/-0.977 χ^2/NDF:101.6/5

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -15.847+/-1.013 χ^2/NDF:92.8/4

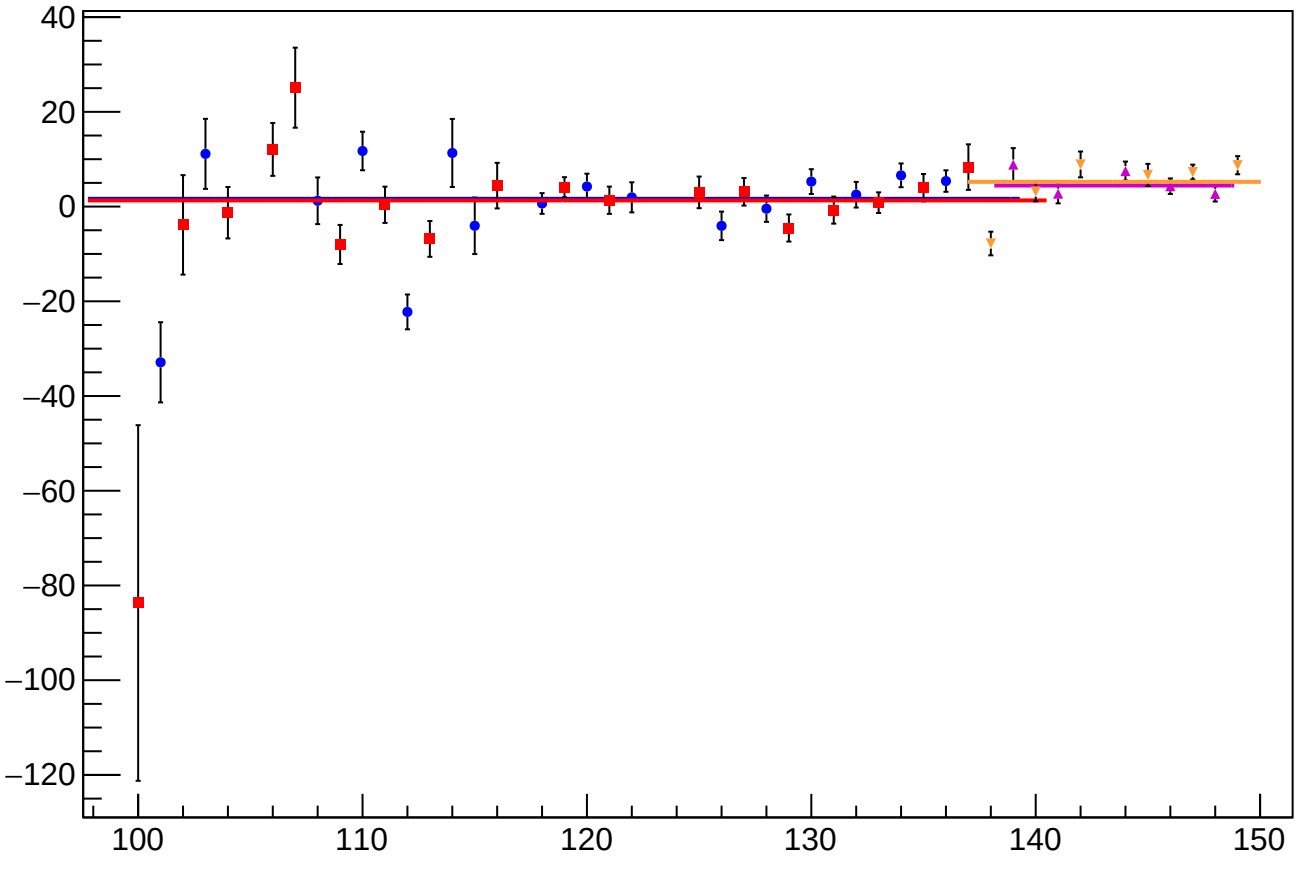
Left: -14.525+/-0.703 χ^2/NDF: 197.7/10

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -27.547+/-0.621 χ^2/NDF:2365.2/20

Out: -22.866+/-0.619 χ^2/NDF:3342.9/23

All: -25.199+/-0.438 χ^2/NDF: 5736.6/44



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.223+/-0.848 χ^2/NDF:35.5/5

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: 4.845+/-0.607 χ^2/NDF: 41.7/10

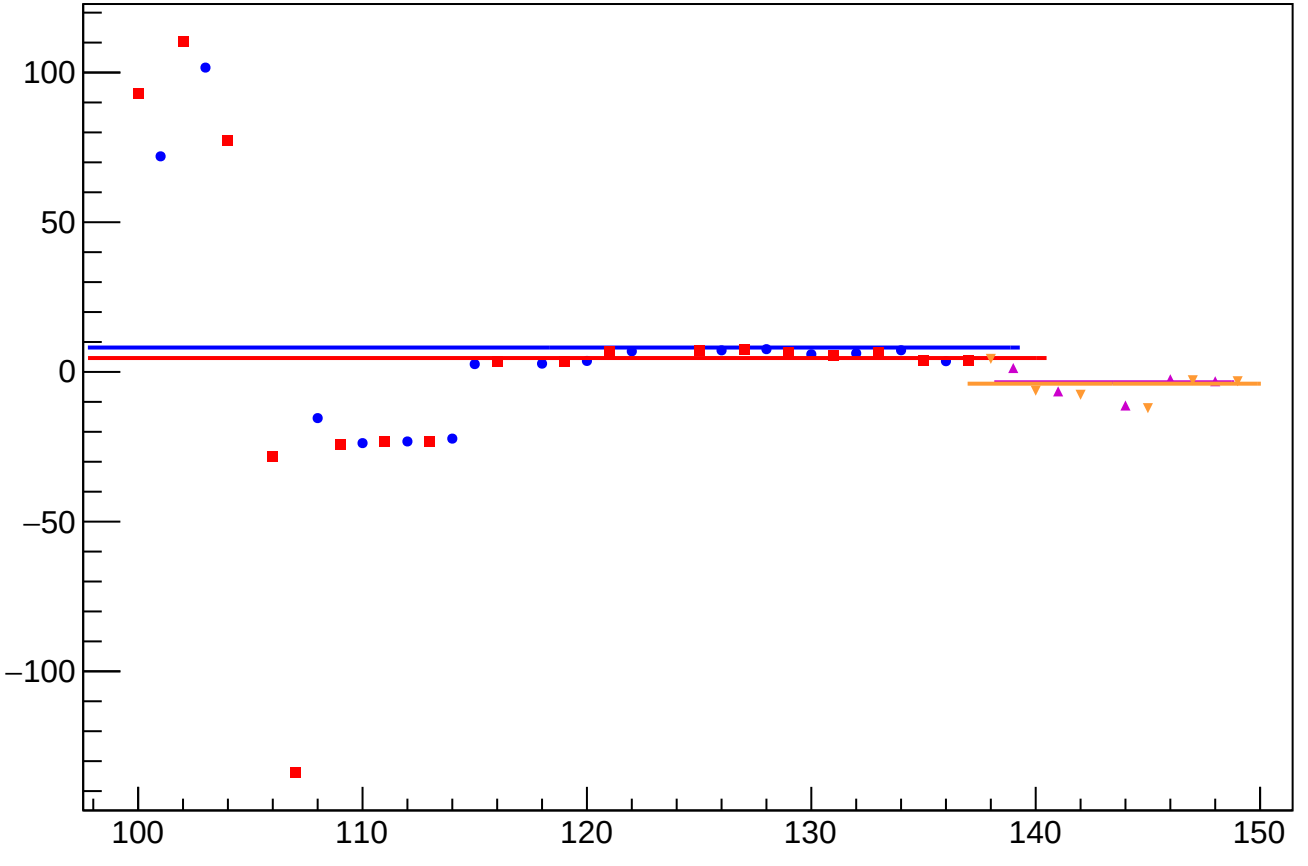
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.916+/-0.588 χ^2/NDF:94.8/20

Out: 3.188+/-0.588 χ^2/NDF:84.2/23

All: 3.051+/-0.416 χ^2/NDF: 179.1/44

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: -3.925+/-0.041 χ^2/NDF:18008.9/5

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: -3.691+/-0.029 χ^2/NDF: 28567.5/10

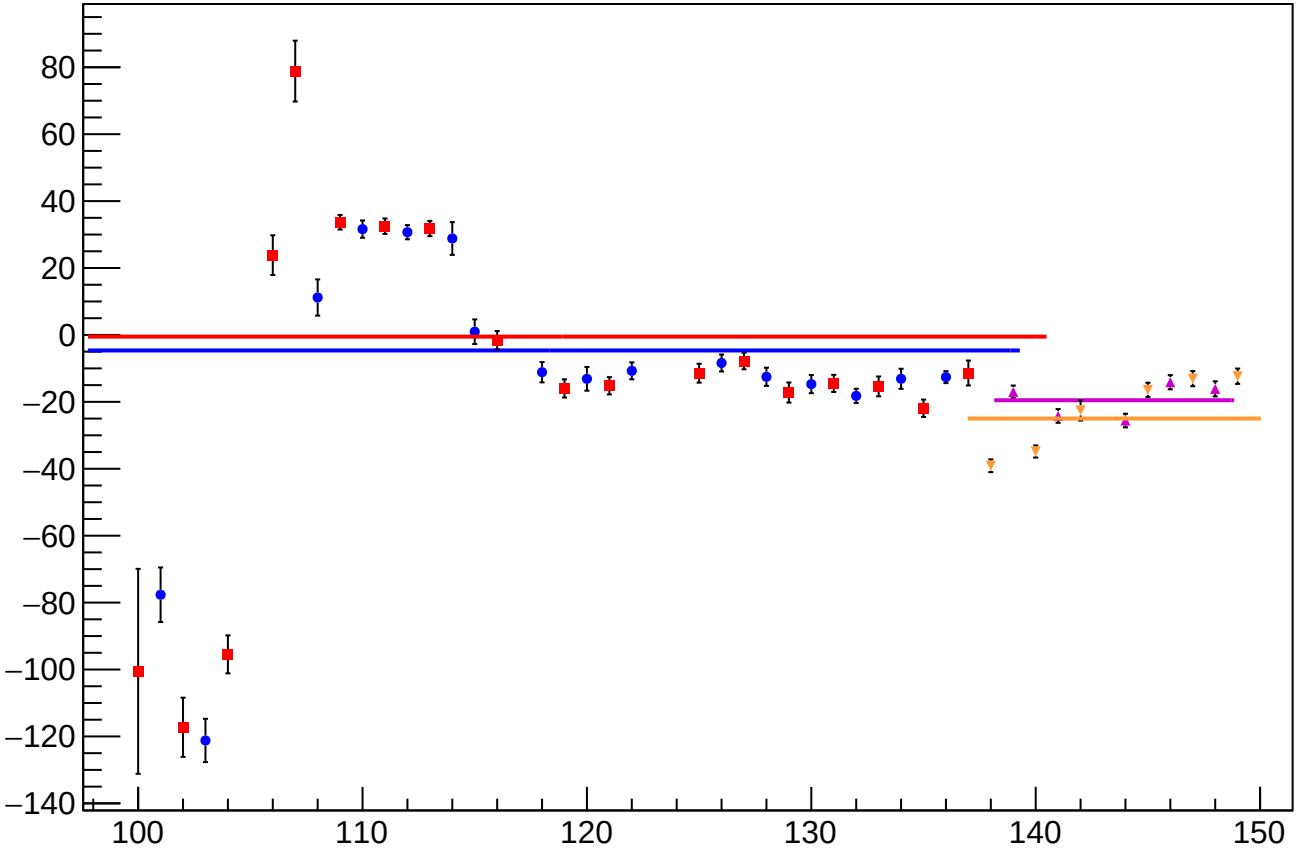
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 1.372+/-0.031 χ^2/NDF:357430.0/20

Out: -0.646+/-0.032 χ^2/NDF:481751.8/23

All: 0.388+/-0.022 χ^2/NDF: 841220.6/44

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.985+/-0.884 χ^2/NDF:157.3/5

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: -22.372+/-0.639 χ^2/NDF: 200.0/10

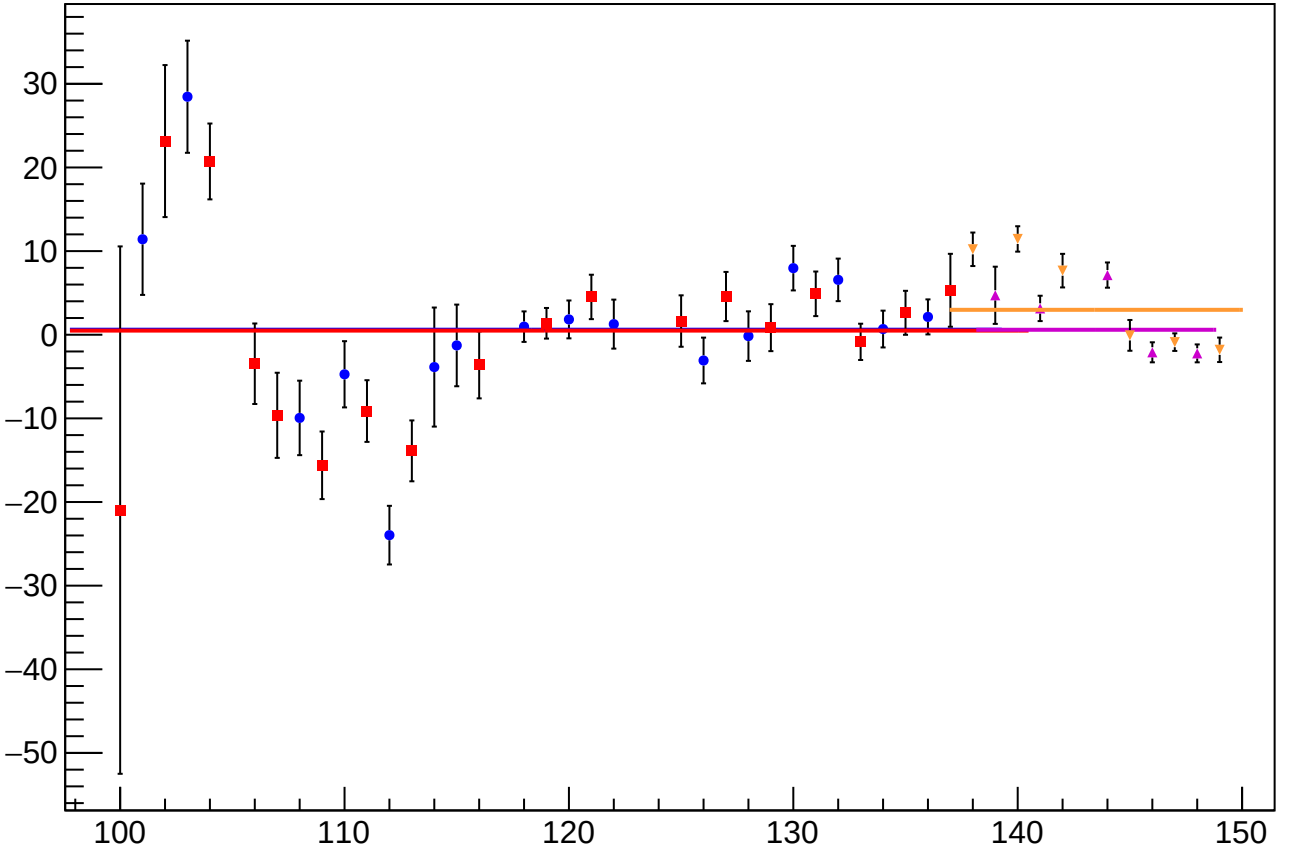
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -10.180+/-0.564 χ^2/NDF:1233.6/20

Out: -10.112+/-0.554 χ^2/NDF:2080.5/23

All: -10.146+/-0.395 χ^2/NDF: 3314.1/44

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.980+/-0.620 χ^2/NDF:76.6/5

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: 1.804+/-0.441 χ^2/NDF: 119.0/10

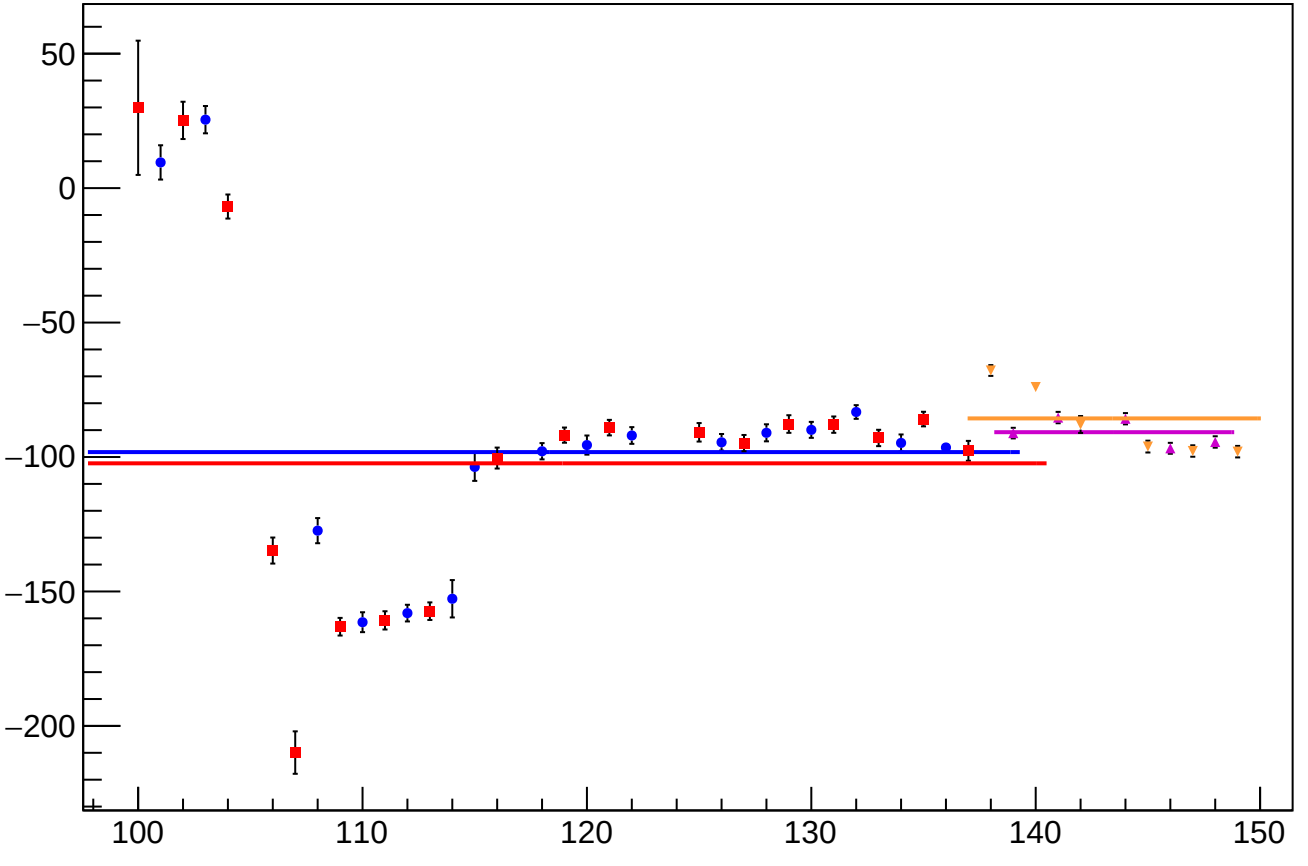
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.598+/-0.476 χ^2/NDF:128.0/20

Out: 1.979+/-0.479 χ^2/NDF:163.3/23

All: 1.283+/-0.338 χ^2/NDF: 295.4/44

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: -85.644+/-0.884 χ^2/NDF:206.7/5

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.767+/-0.924 χ^2/NDF:23.9/4

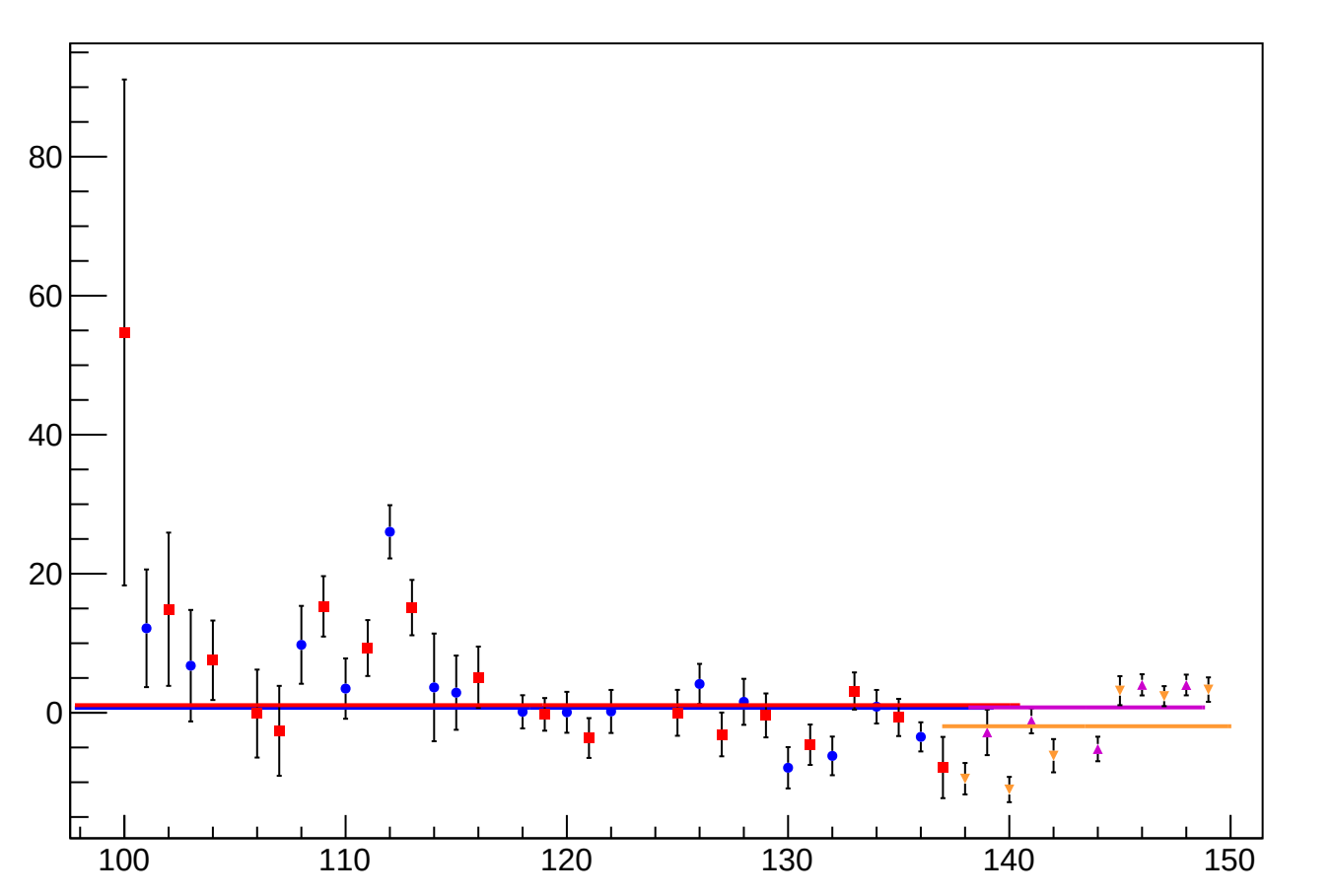
Left: -88.091+/-0.639 χ^2/NDF: 246.7/10

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -94.940+/-0.610 χ^2/NDF:1760.0/20

Out: -94.449+/-0.608 χ^2/NDF:2512.6/23

All: -94.693+/-0.431 χ^2/NDF: 4273.0/44



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.943+/-0.765 χ^2/NDF:63.4/5

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.768+/-0.790 χ^2/NDF:23.0/4

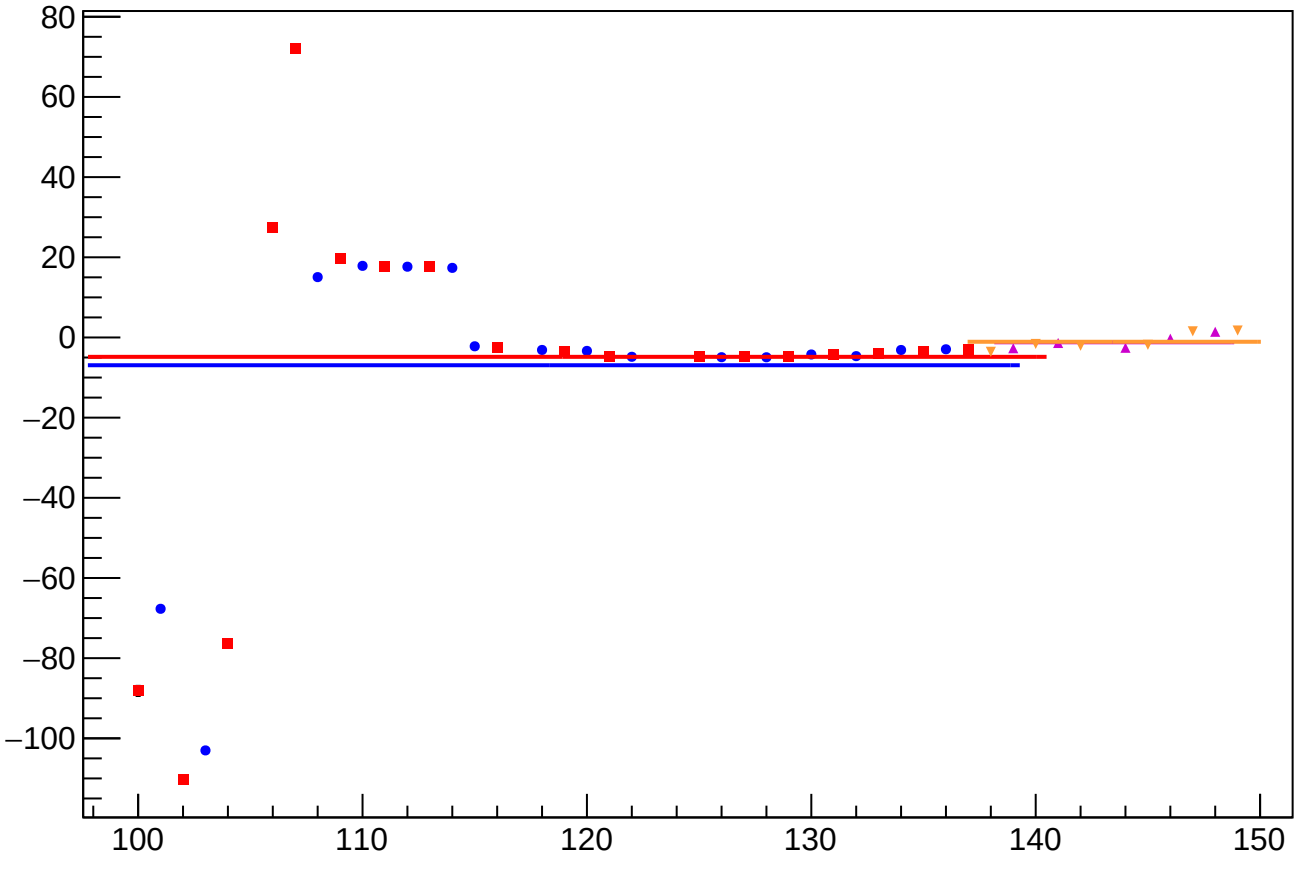
Left: -0.631+/-0.549 χ^2/NDF: 92.5/10

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.741+/-0.569 χ^2/NDF:92.7/20

Out: -0.598+/-0.570 χ^2/NDF:118.1/23

All: 0.073+/-0.403 χ^2/NDF: 213.5/44



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.073+/-0.037 χ^2/NDF:2909.8/5

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: -1.138+/-0.026 χ^2/NDF: 4620.8/10

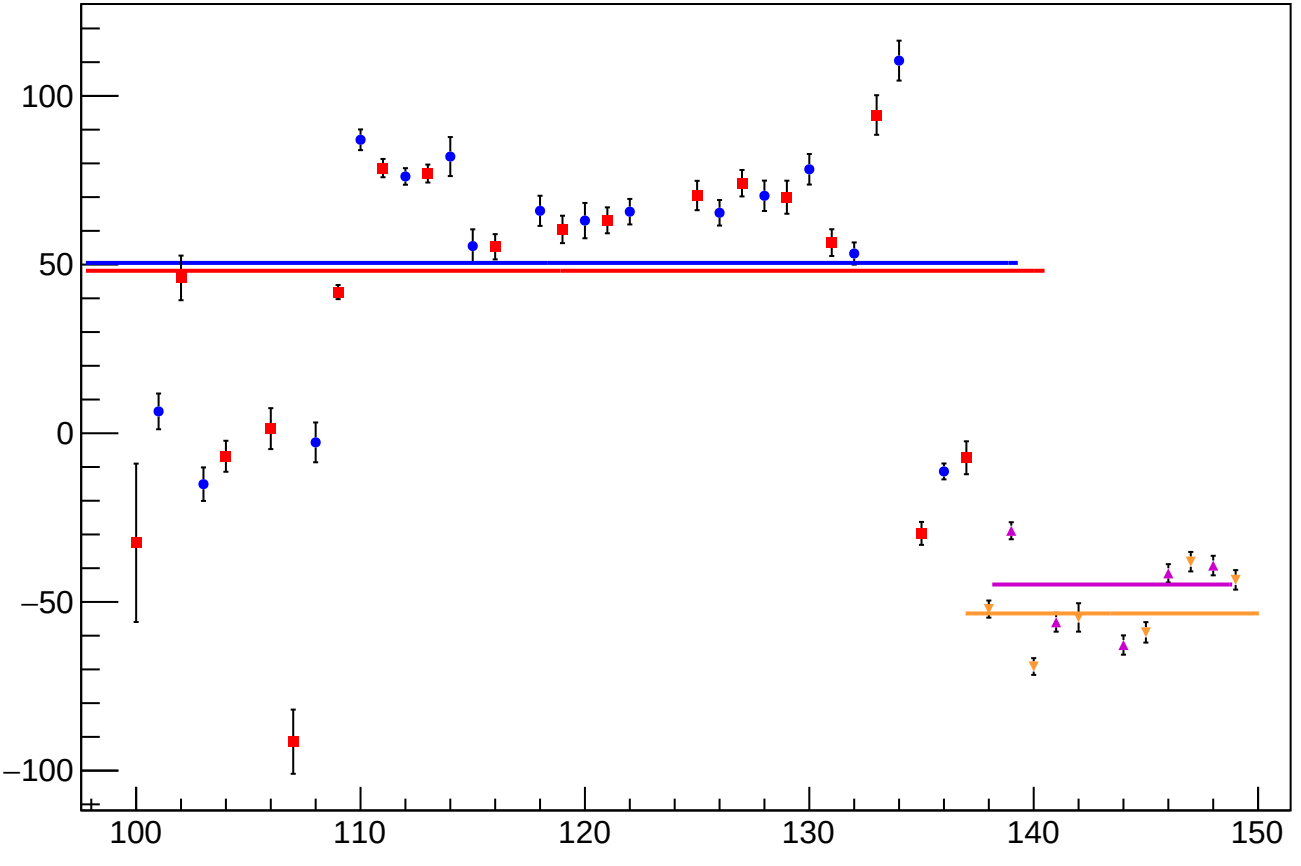
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -3.336+/-0.030 χ^2/NDF:275618.0/20

Out: -2.307+/-0.030 χ^2/NDF:345679.1/23

All: -2.832+/-0.021 χ^2/NDF: 621887.5/44

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: -53.411+/-1.176 χ^2/NDF:84.1/5

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: -49.314+/-0.850 χ^2/NDF: 209.8/10

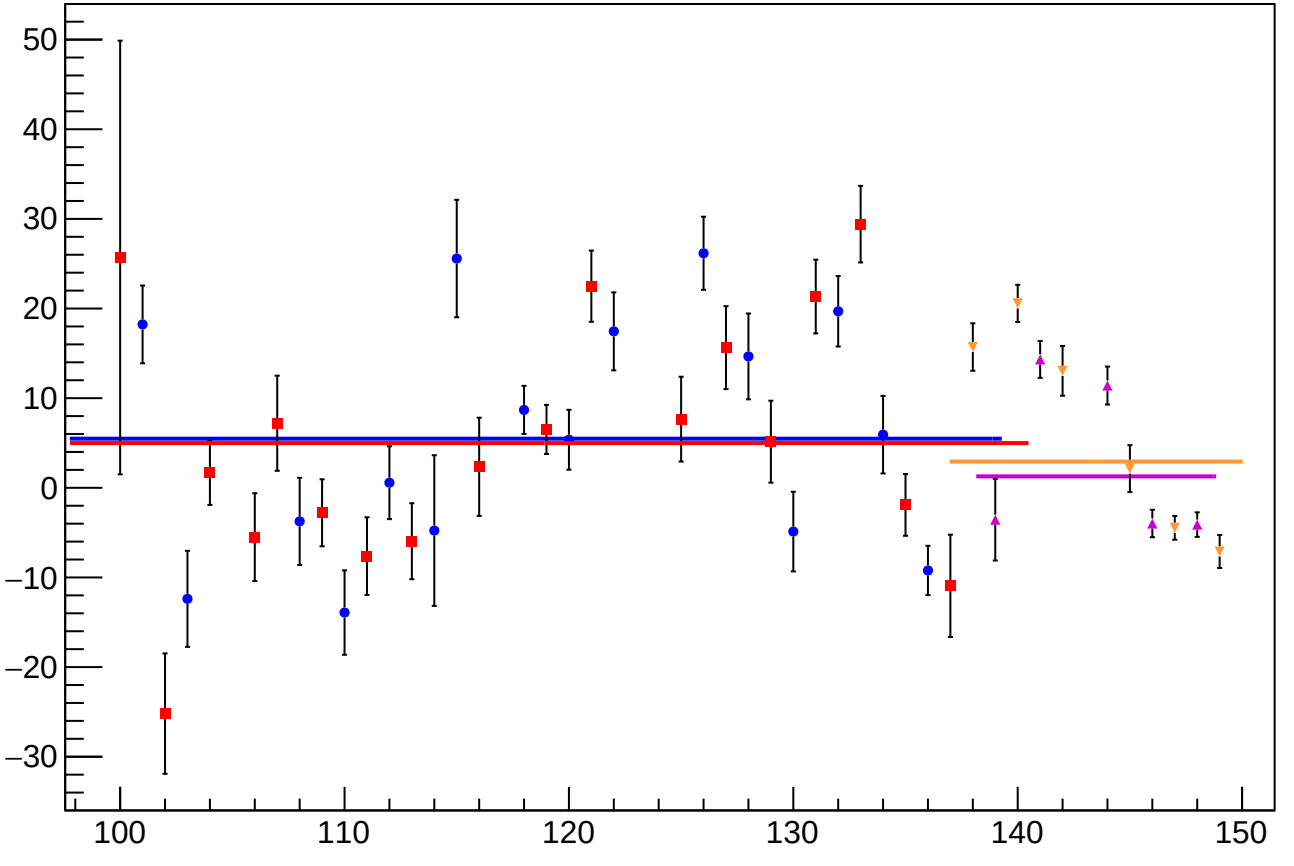
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 14.159+/-0.759 χ^2/NDF:5322.3/20

Out: 9.916+/-0.722 χ^2/NDF:6252.5/23

All: 11.930+/-0.523 χ^2/NDF: 11591.2/44

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.926+/-0.813 χ^2/NDF:169.7/5

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.276+/-0.825 χ^2/NDF:91.6/4

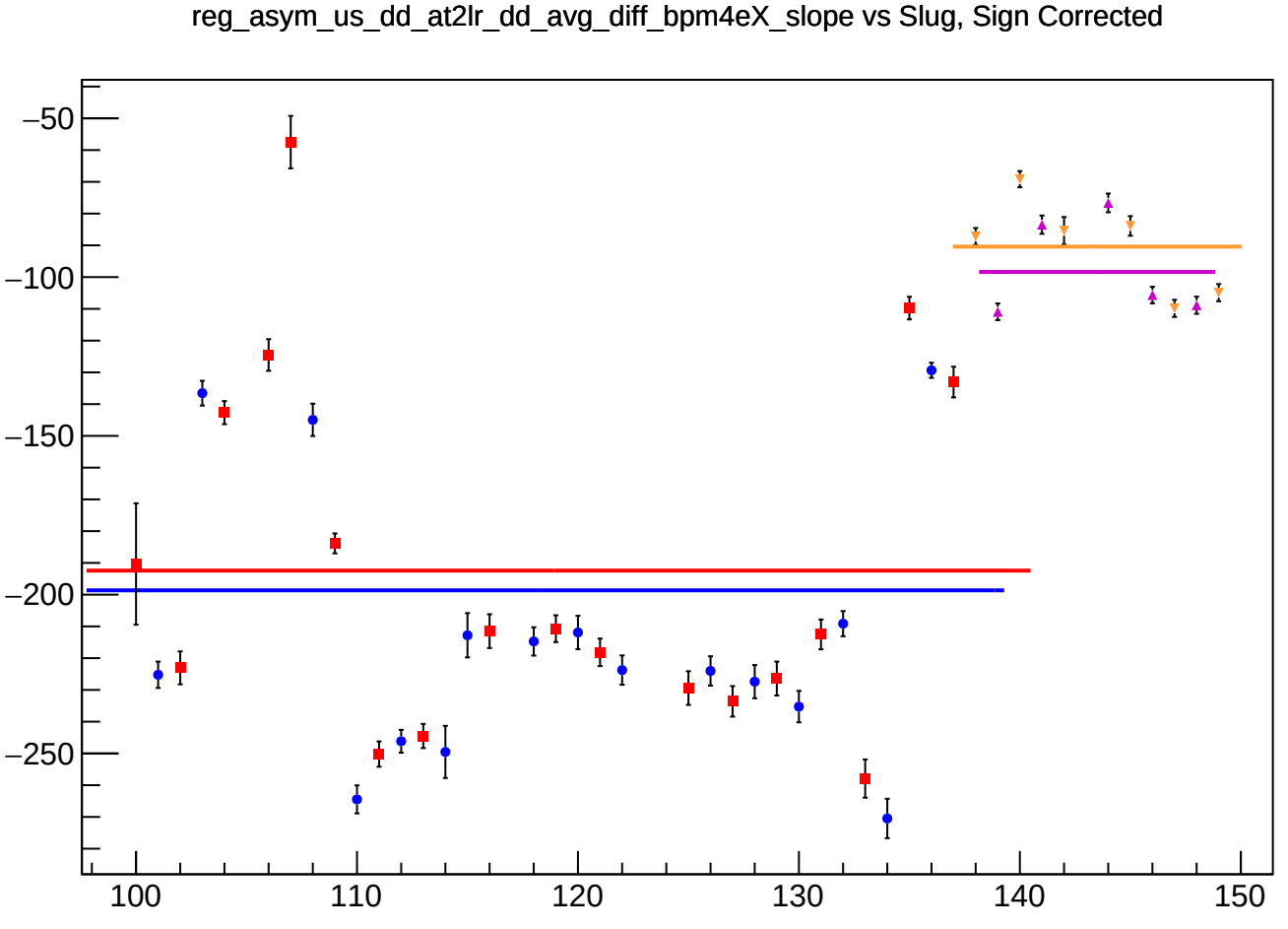
Left: 2.113+/-0.579 χ^2/NDF: 263.4/10

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.936+/-0.642 χ^2/NDF:240.1/20

Out: 3.727+/-0.637 χ^2/NDF:304.0/23

All: 3.335+/-0.452 χ^2/NDF: 544.9/44



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -90.404+/-1.171 χ^2/NDF:157.4/5

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.375+/-1.227 χ^2/NDF:126.8/4

Left: -94.204+/-0.847 χ^2/NDF: 306.3/10

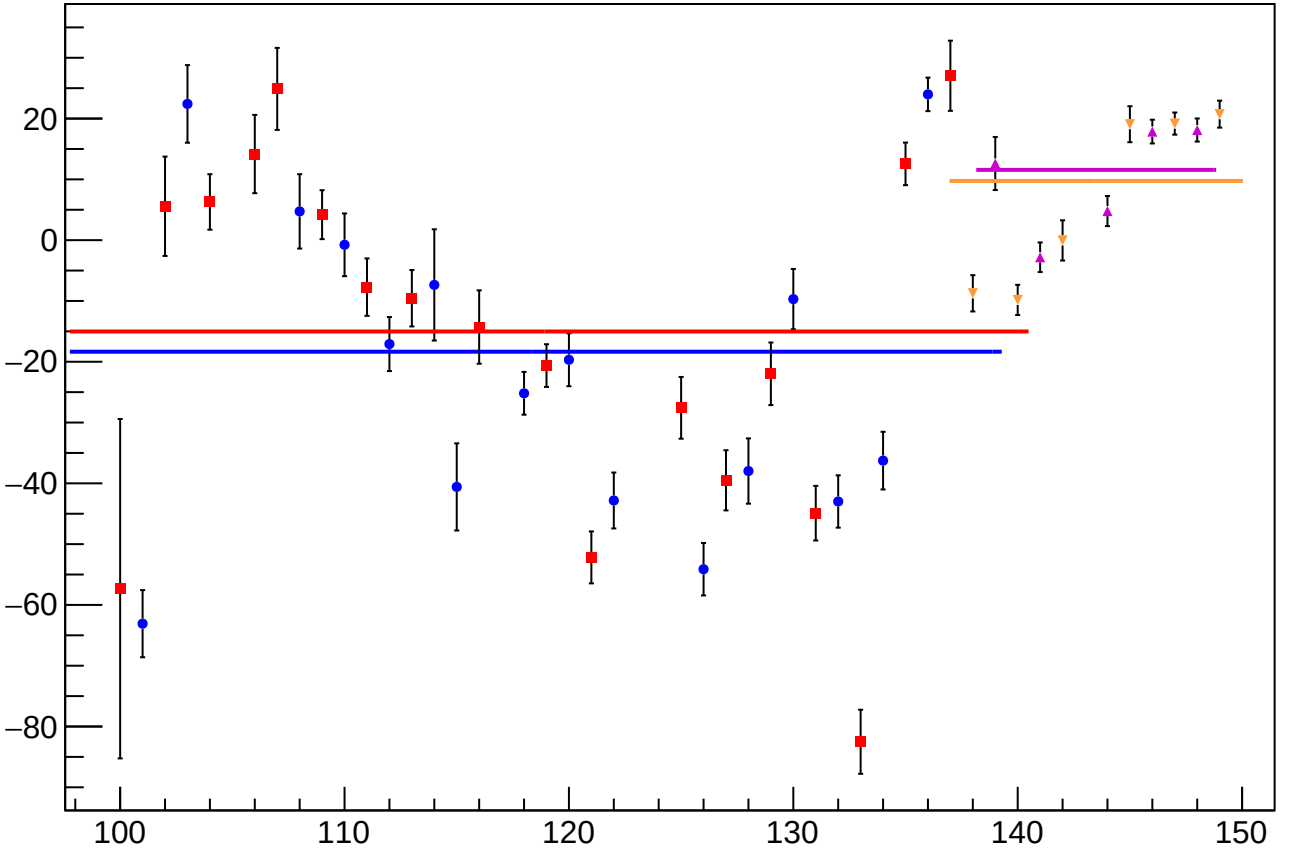
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -154.716+/-0.812 χ^2/NDF:5881.3/20

Out: -145.546+/-0.794 χ^2/NDF:6398.9/23

All: -150.027+/-0.568 χ^2/NDF: 12345.4/44

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 9.741+/-1.008 χ^2/NDF:170.6/5

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: 10.621+/-0.724 χ^2/NDF: 236.8/10

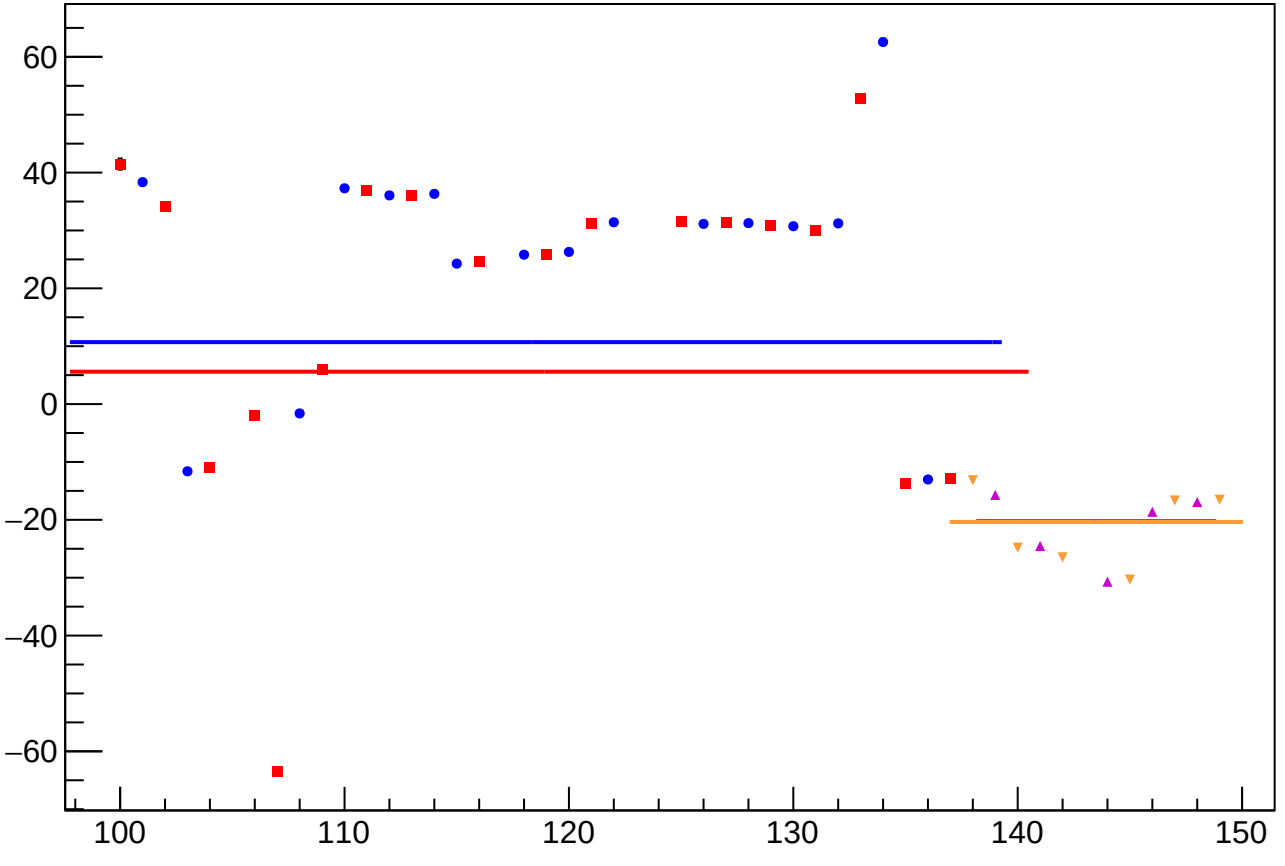
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -1.791+/-0.775 χ^2/NDF:976.9/20

Out: -0.888+/-0.761 χ^2/NDF:976.4/23

All: -1.332+/-0.543 χ^2/NDF: 1954.0/44

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: -20.361+/-0.049 χ^2/NDF:16308.9/5

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: -20.291+/-0.035 χ^2/NDF: 27396.1/10

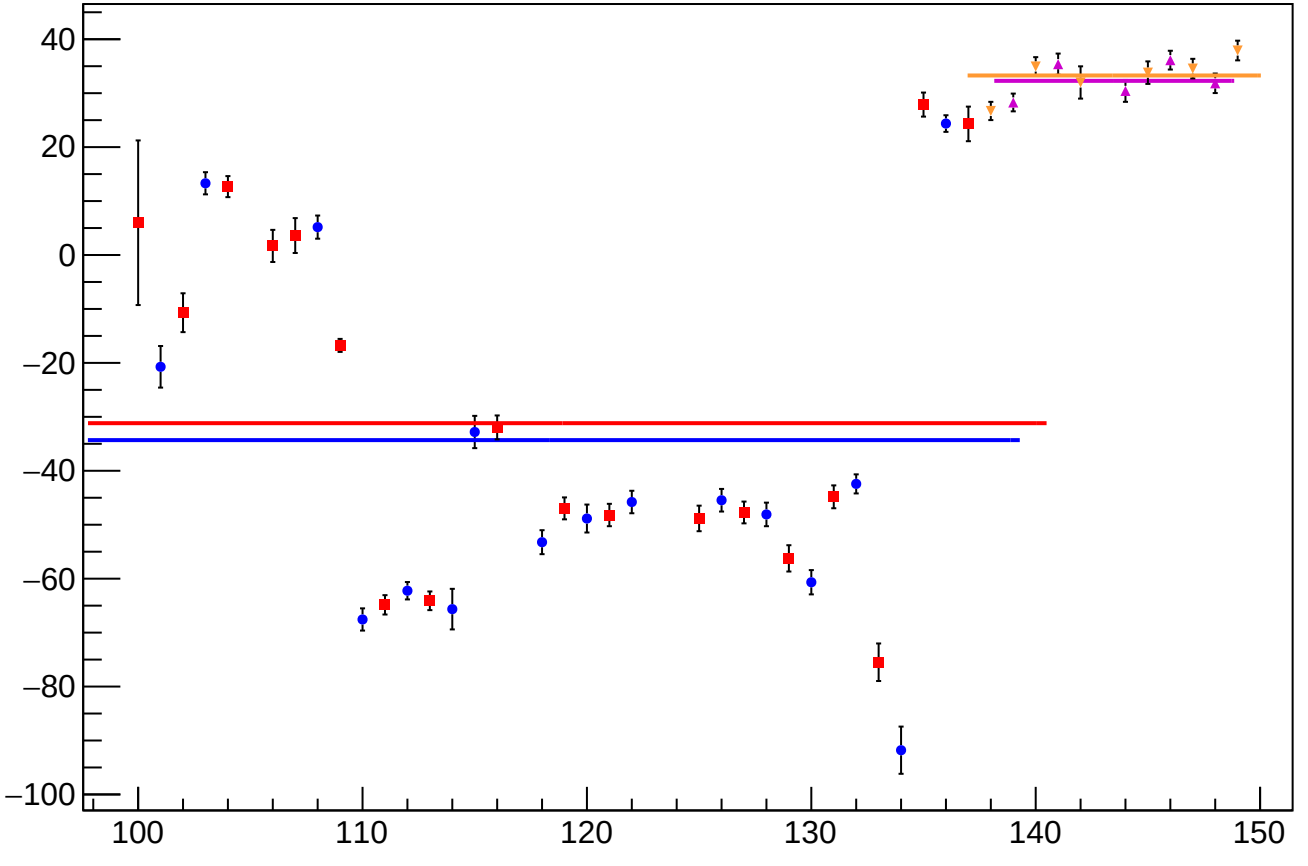
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -8.369+/-0.039 χ^2/NDF:325008.7/20

Out: -10.703+/-0.039 χ^2/NDF:275808.5/23

All: -9.540+/-0.027 χ^2/NDF: 602619.6/44

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 33.280+/-0.784 χ^2/NDF:23.2/5

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.284+/-0.814 χ^2/NDF:14.2/4

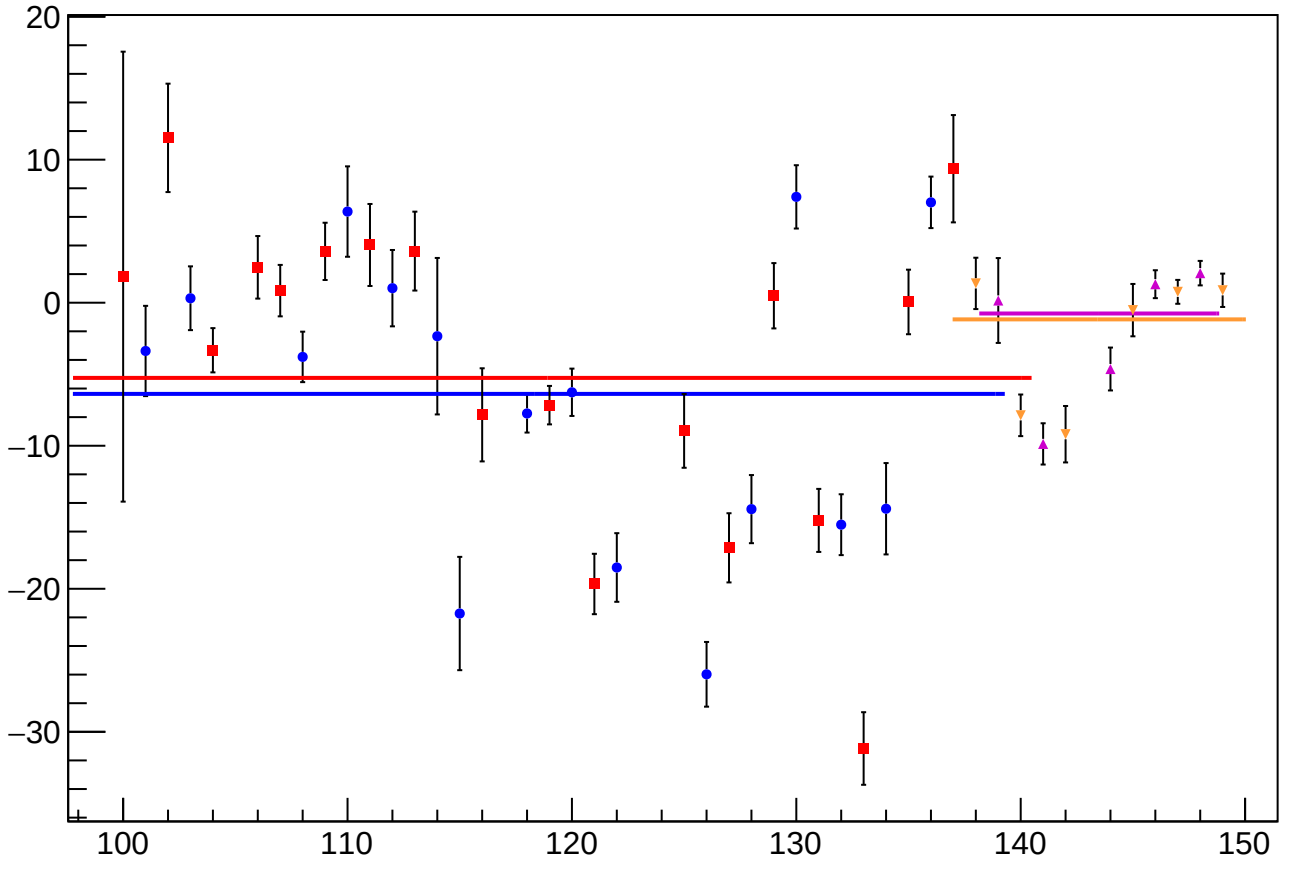
Left: 32.801+/-0.565 χ^2/NDF: 38.2/10

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -13.574+/-0.455 χ^2/NDF:8118.1/20

Out: -11.709+/-0.431 χ^2/NDF:7940.8/23

All: -12.591+/-0.313 χ^2/NDF: 16067.7/44



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.166+/-0.534 χ^2/NDF:48.3/5

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: -0.962+/-0.379 χ^2/NDF: 110.6/10

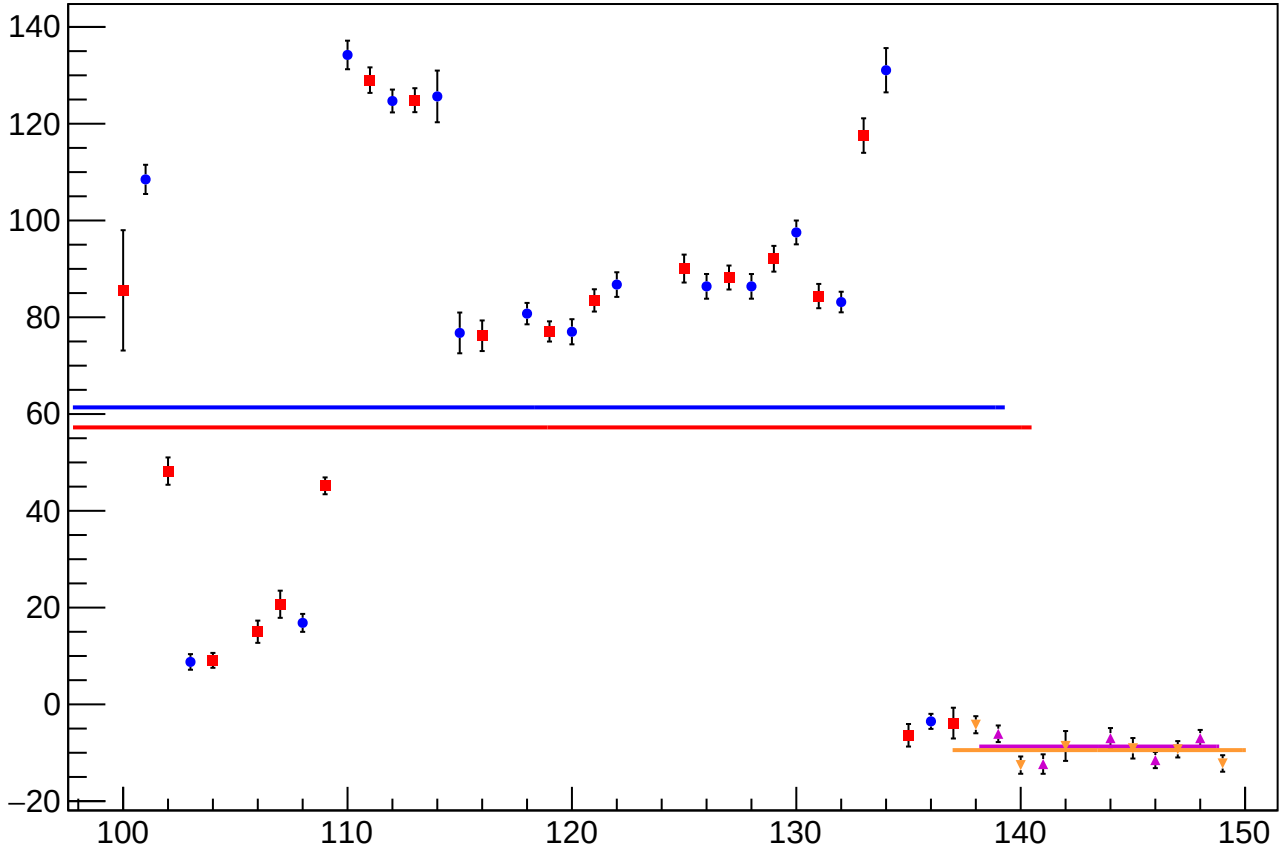
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -3.485+/-0.386 χ^2/NDF:398.6/20

Out: -3.216+/-0.377 χ^2/NDF:390.6/23

All: -3.348+/-0.270 χ^2/NDF: 789.5/44

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: -9.454+/-0.777 χ^2/NDF:14.6/5

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: -9.100+/-0.561 χ^2/NDF: 25.2/10

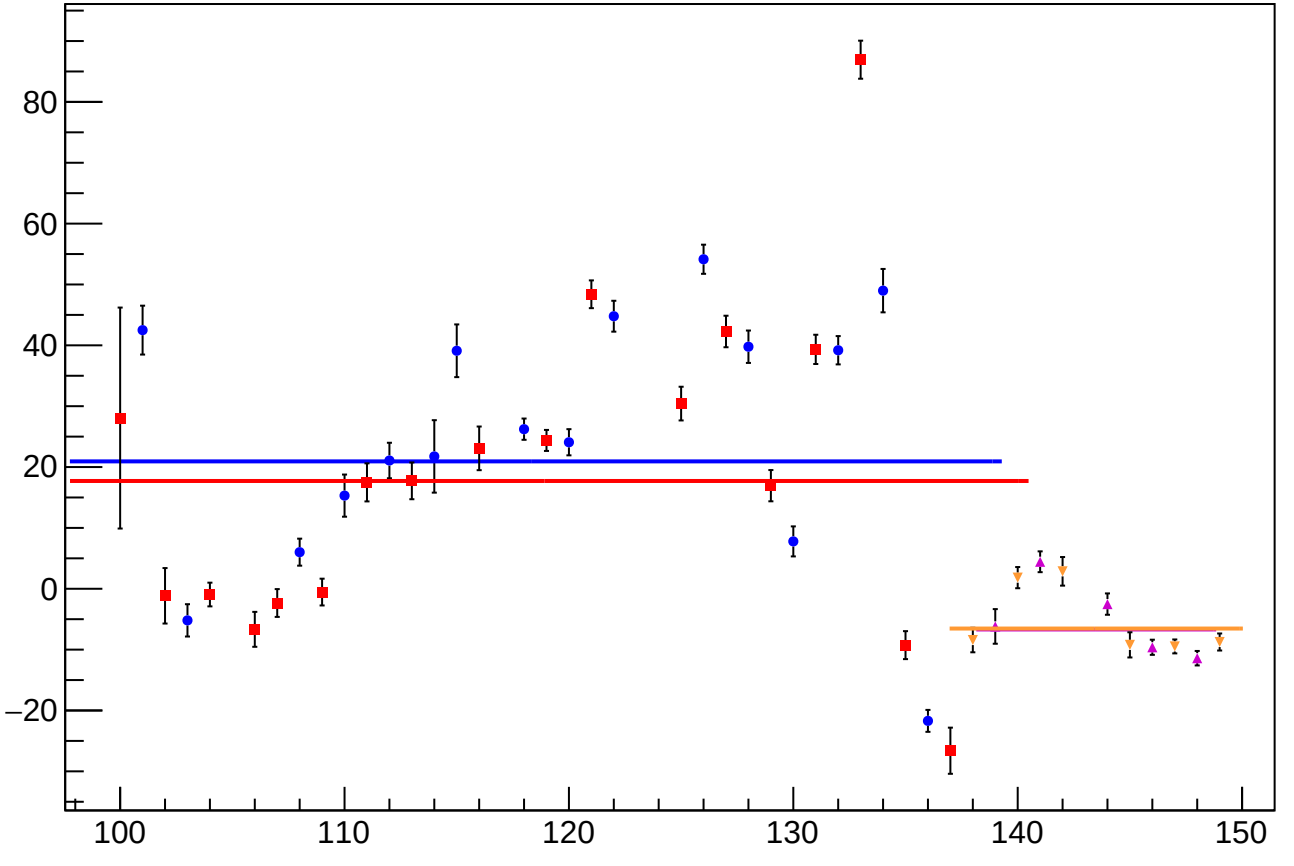
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 36.850+/-0.479 χ^2/NDF:10944.2/20

Out: 33.369+/-0.465 χ^2/NDF:10011.5/23

All: 35.057+/-0.334 χ^2/NDF: 20983.0/44

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.536+/-0.664 χ^2/NDF:50.8/5

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: -6.610+/-0.476 χ^2/NDF: 120.1/10

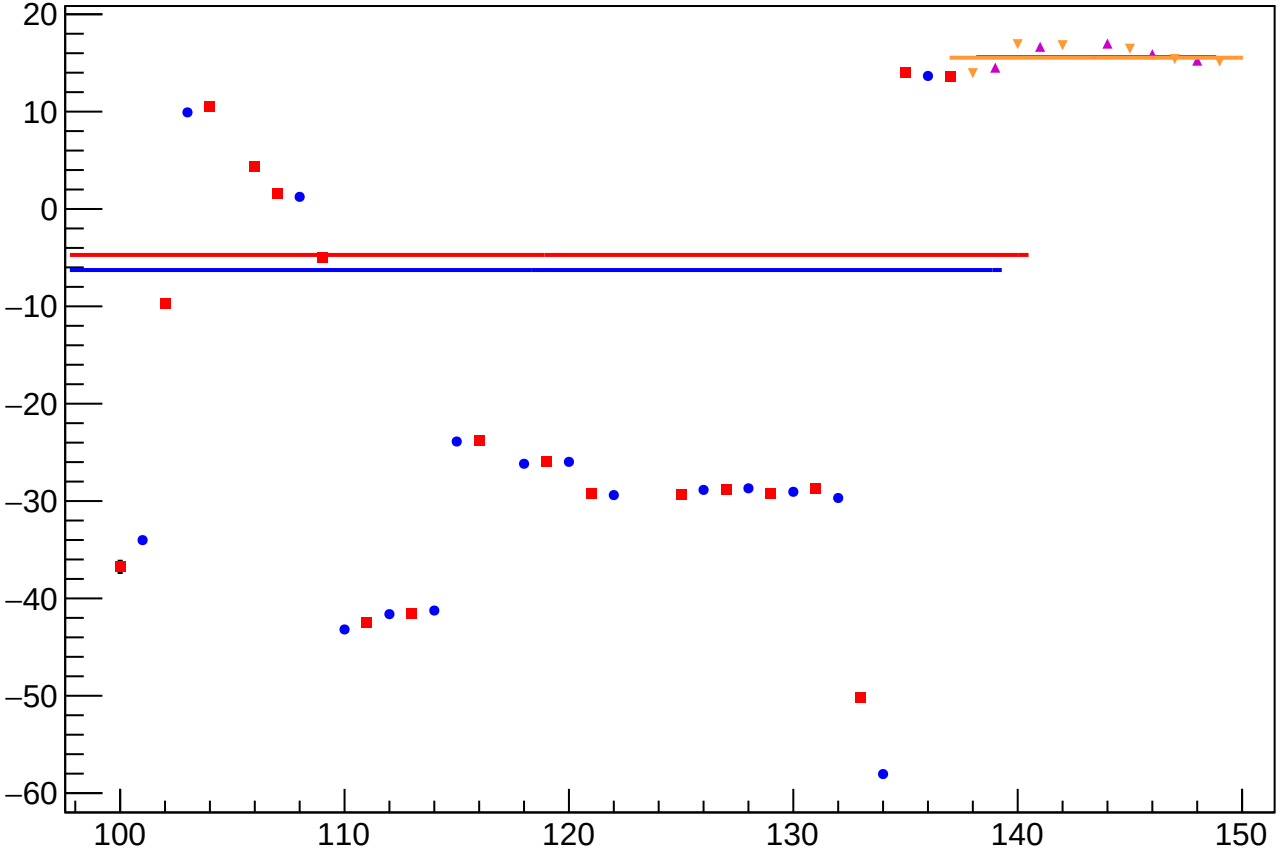
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 8.020+/-0.467 χ^2/NDF:2184.9/20

Out: 6.460+/-0.453 χ^2/NDF:2246.7/23

All: 7.215+/-0.325 χ^2/NDF: 4437.3/44

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: 15.537+/-0.032 χ^2/NDF:1097.3/5

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.611+/-0.033 χ^2/NDF:747.9/4

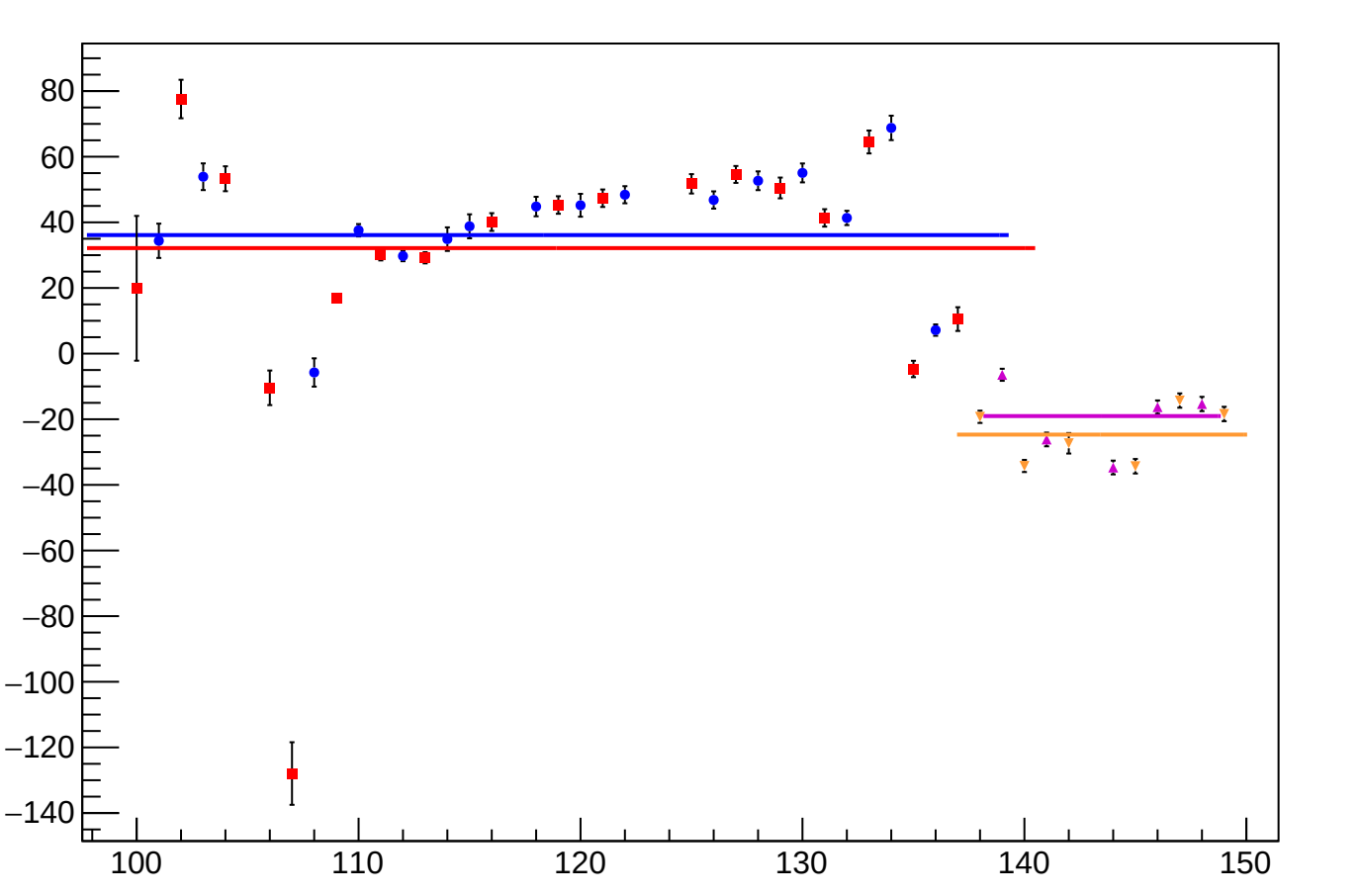
Left: 15.574+/-0.023 χ^2/NDF: 1847.8/10

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

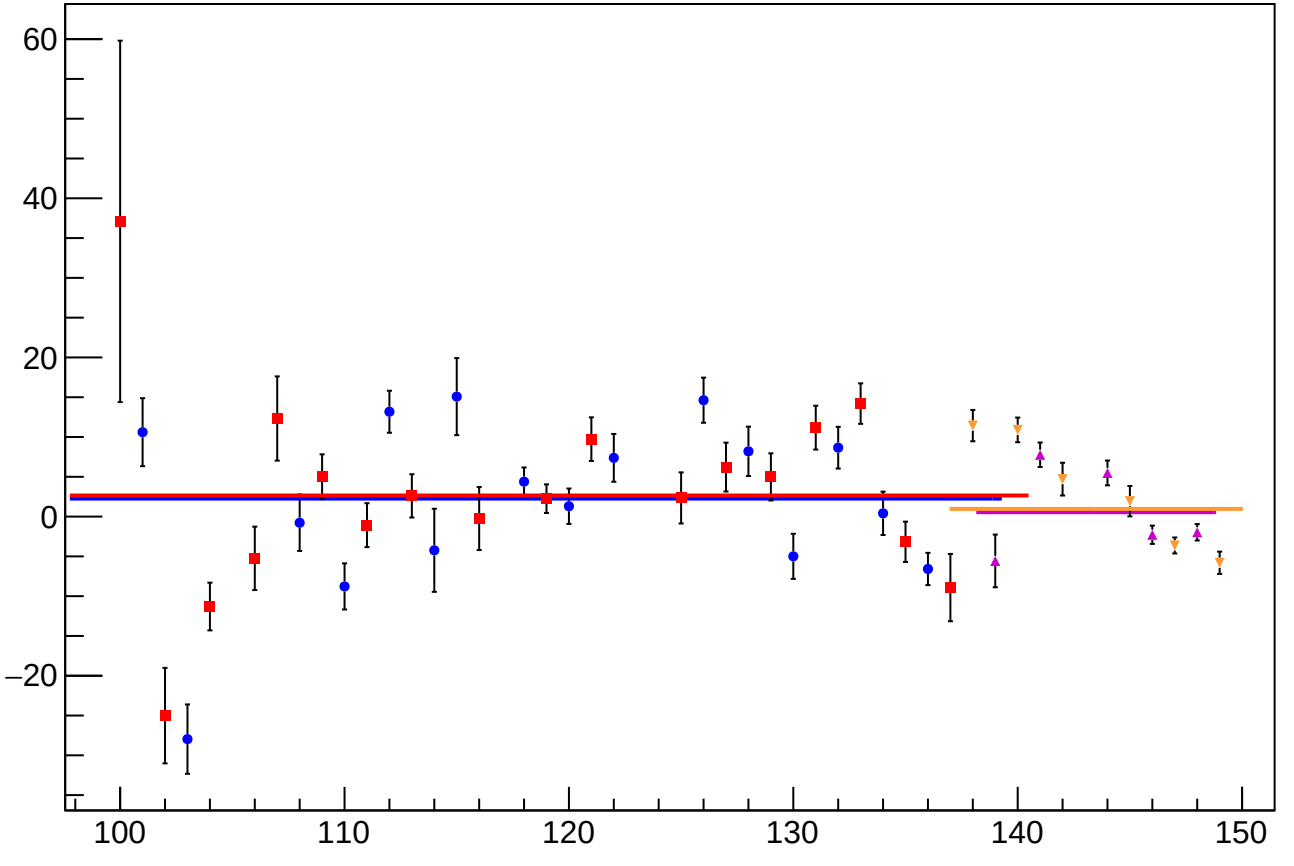
In: 4.929+/-0.023 χ^2/NDF:630692.4/20

Out: 5.777+/-0.023 χ^2/NDF:495119.2/23

All: 5.353+/-0.017 χ^2/NDF: 1126470.1/44


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -24.679+/-0.876 χ2/NDF:85.5/5
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -19.032+/-0.912 χ2/NDF:118.7/4
Left: -21.968+/-0.632 χ2/NDF: 224.2/10
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 17.295+/-0.533 χ2/NDF:3150.7/20
Out: 12.760+/-0.512 χ2/NDF:3971.0/23
All: 14.937+/-0.369 χ2/NDF: 7159.4/44

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: 0.966+/-0.610 χ^2/NDF:117.2/5

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: 0.763+/-0.434 χ^2/NDF: 164.9/10

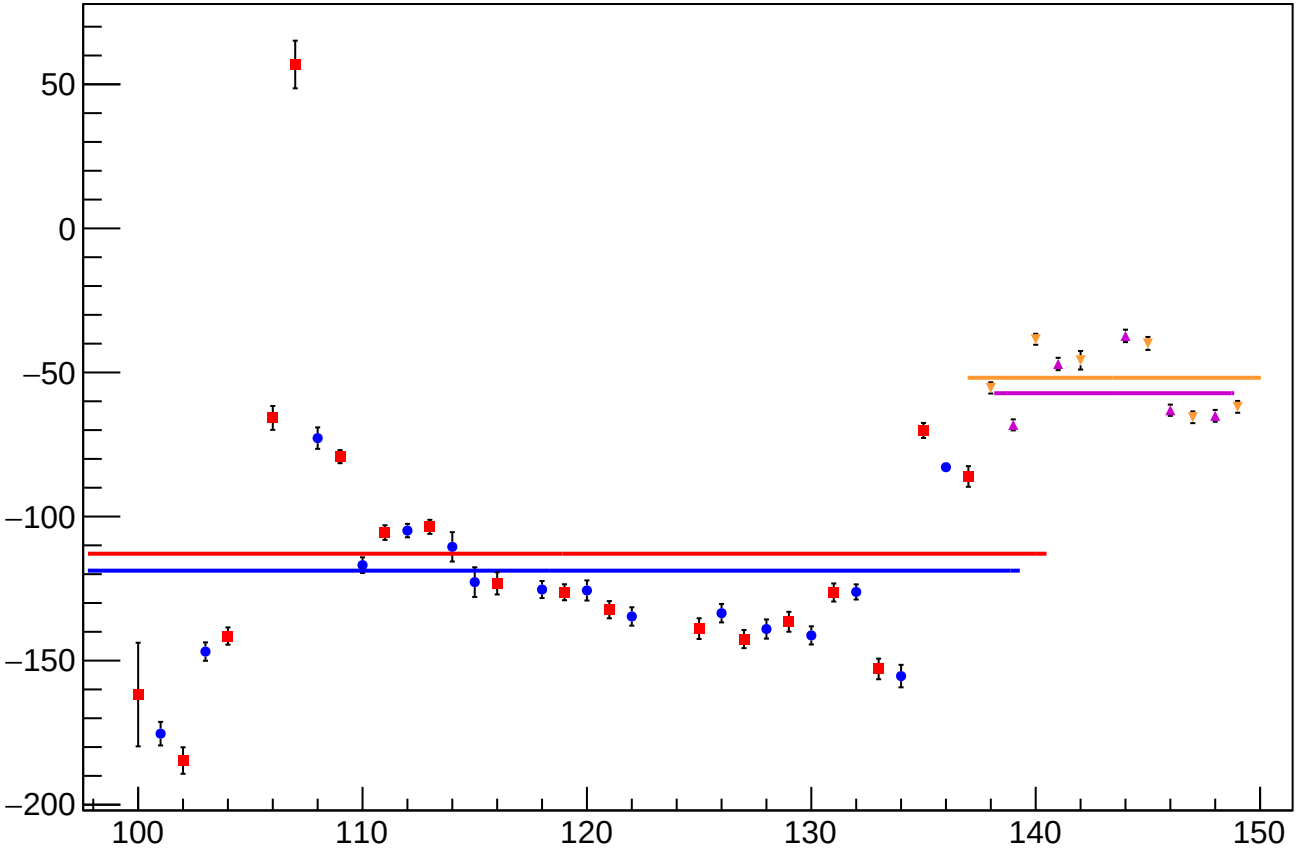
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.301+/-0.464 χ^2/NDF:202.9/20

Out: 1.677+/-0.464 χ^2/NDF:227.6/23

All: 1.489+/-0.328 χ^2/NDF: 430.8/44

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: -51.844+/-0.873 χ^2/NDF:153.6/5

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.198+/-0.911 χ^2/NDF:163.6/4

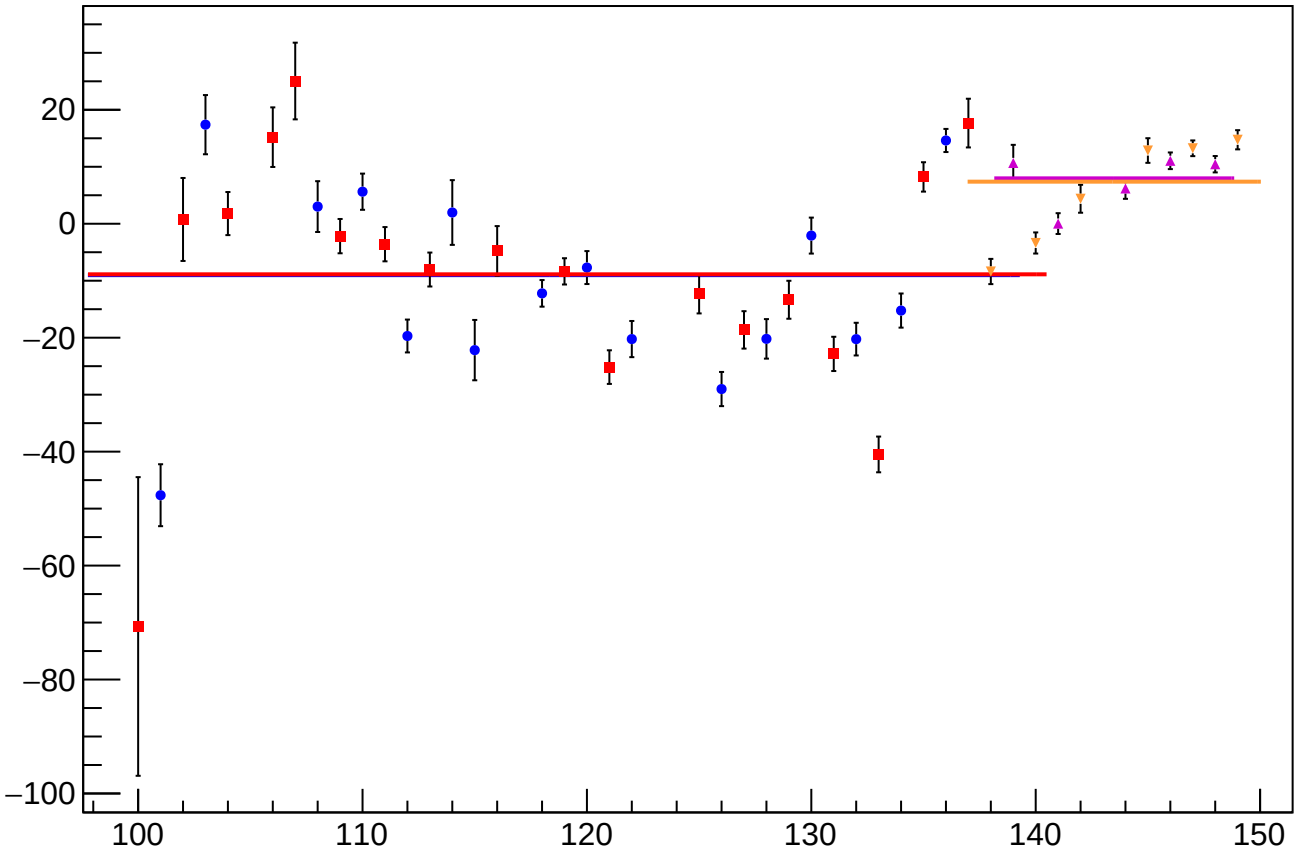
Left: -54.409+/-0.630 χ^2/NDF: 335.1/10

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -93.622+/-0.582 χ^2/NDF:3987.6/20

Out: -86.553+/-0.574 χ^2/NDF:4794.3/23

All: -90.037+/-0.409 χ^2/NDF: 8856.8/44



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 7.385+/-0.755 χ^2/NDF:129.5/5

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: 7.667+/-0.542 χ^2/NDF: 157.8/10

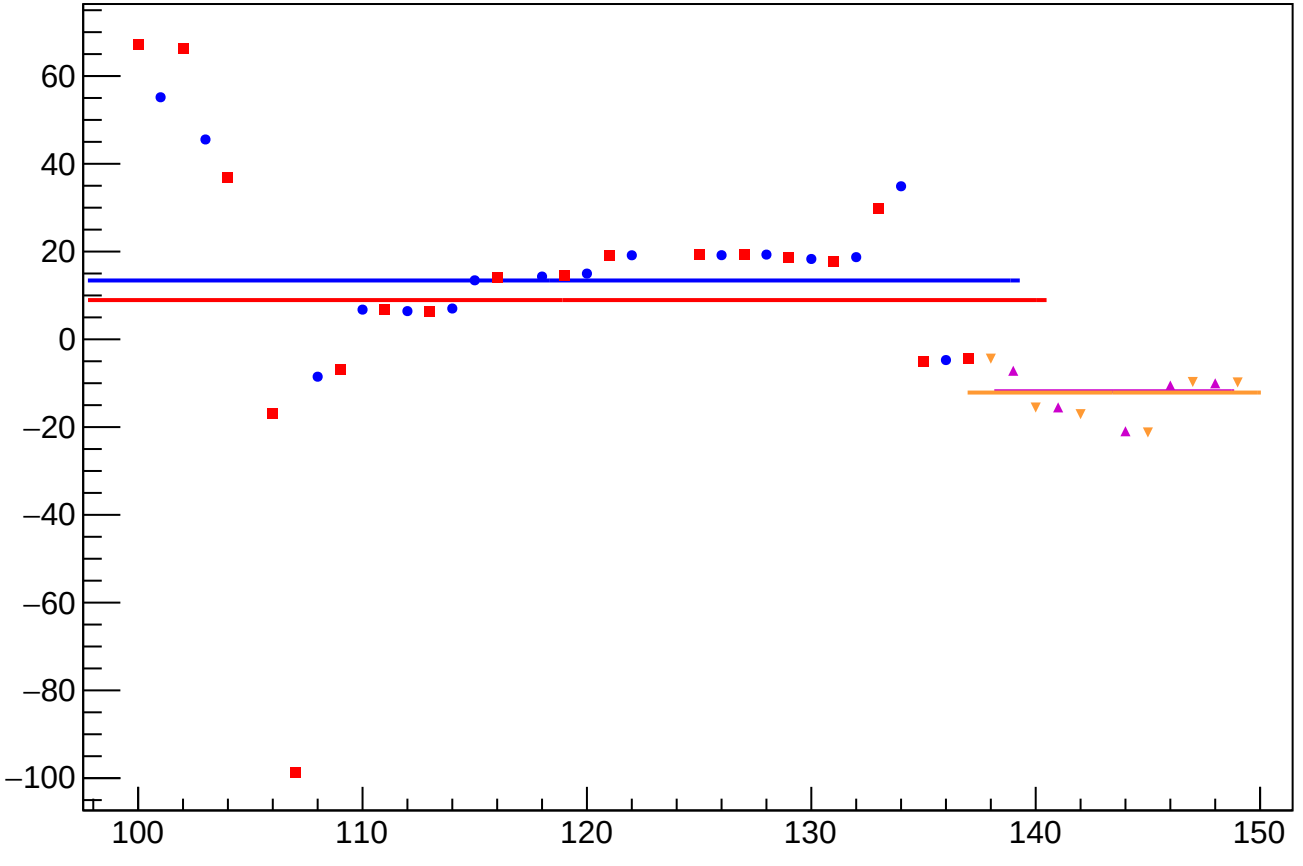
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -0.334+/-0.556 χ^2/NDF:619.2/20

Out: -0.170+/-0.552 χ^2/NDF:663.8/23

All: -0.251+/-0.392 χ^2/NDF: 1283.0/44

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: -12.129+/-0.036 χ^2/NDF:25088.8/5

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.829+/-0.037 χ^2/NDF:16023.4/4

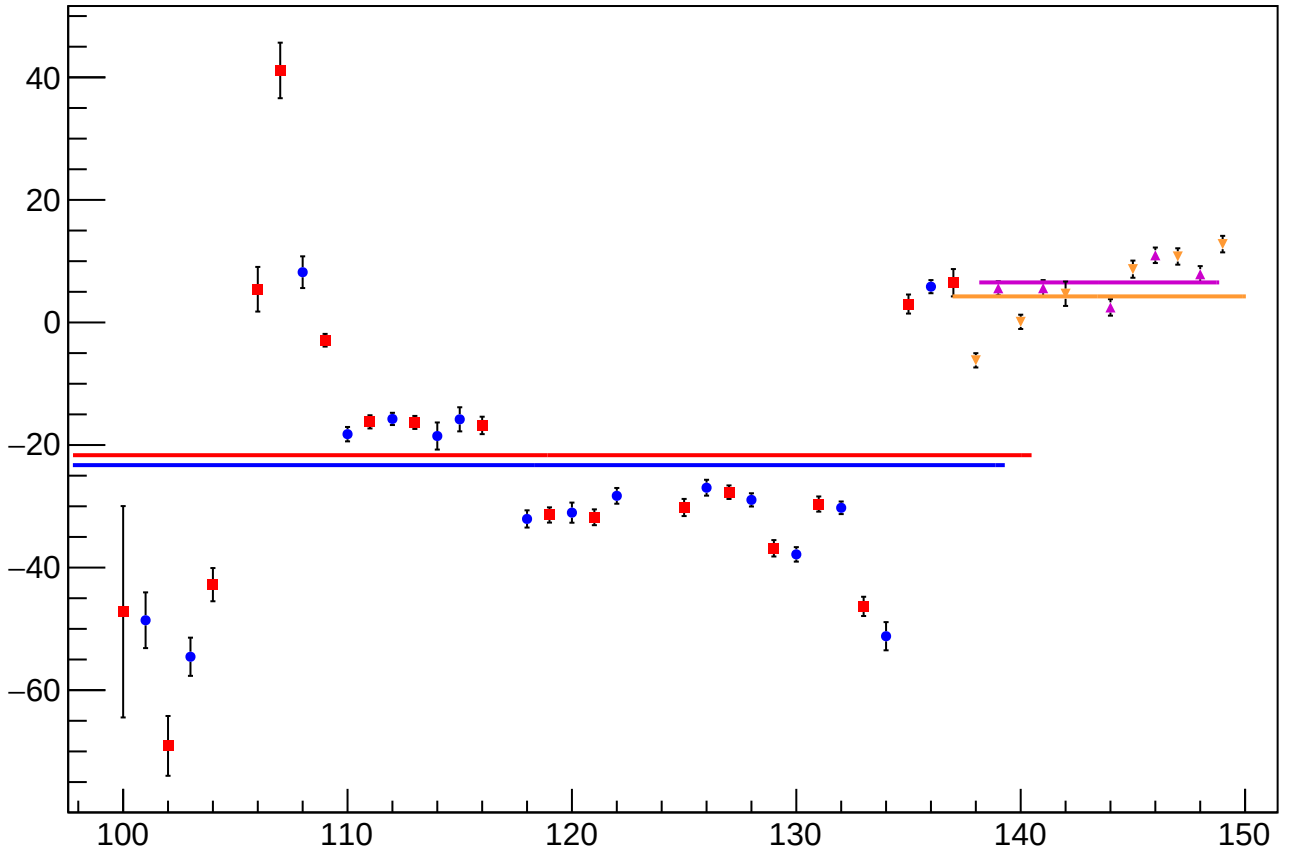
Left: -11.981+/-0.026 χ^2/NDF: 41145.9/10

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -1.806+/-0.029 χ^2/NDF:387068.1/20

Out: -4.297+/-0.029 χ^2/NDF:440396.6/23

All: -3.036+/-0.020 χ^2/NDF: 831226.1/44



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 4.253+/-0.547 χ^2/NDF:166.5/5

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.534+/-0.569 χ^2/NDF:23.7/4

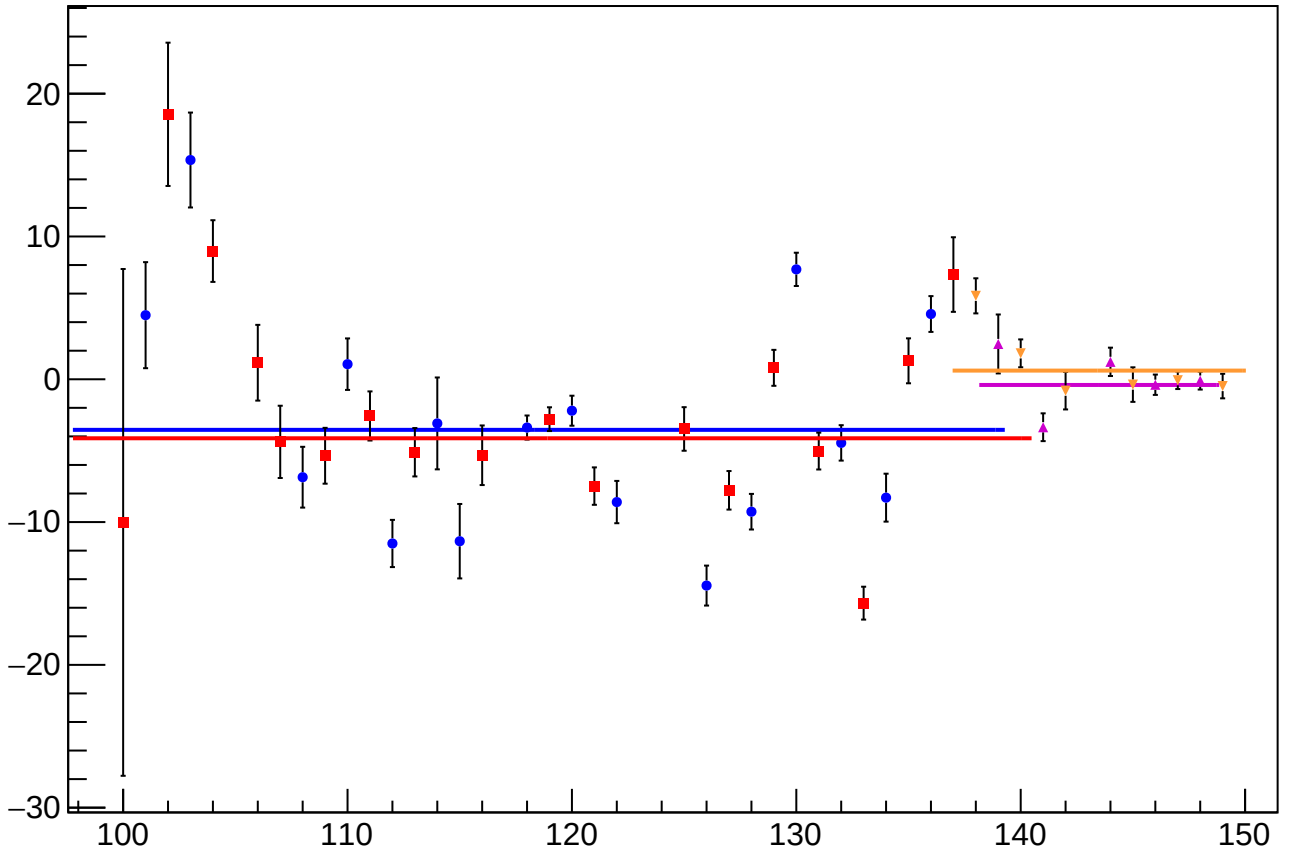
Left: 5.348+/-0.394 χ^2/NDF: 198.6/10

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -15.089+/-0.298 χ^2/NDF:3580.9/20

Out: -14.216+/-0.293 χ^2/NDF:3579.1/23

All: -14.645+/-0.209 χ^2/NDF: 7164.4/44



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.608+/-0.379 χ^2/NDF:24.3/5

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: 0.109+/-0.269 χ^2/NDF: 41.9/10

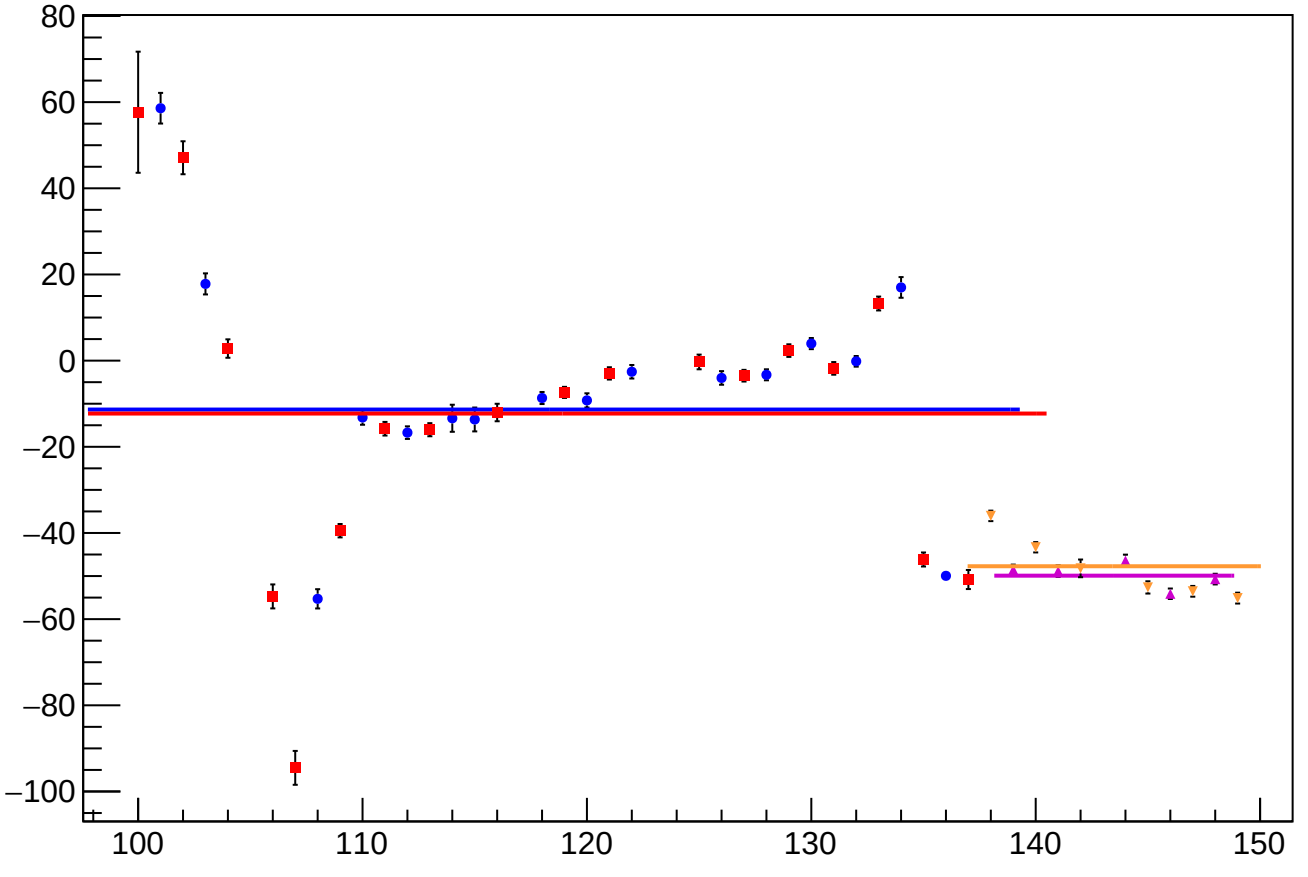
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.053+/-0.263 χ^2/NDF:366.4/20

Out: -1.814+/-0.265 χ^2/NDF:331.7/23

All: -1.935+/-0.187 χ^2/NDF: 698.5/44

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: -47.723+/-0.545 χ^2/NDF:173.7/5

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.910+/-0.568 χ^2/NDF:20.8/4

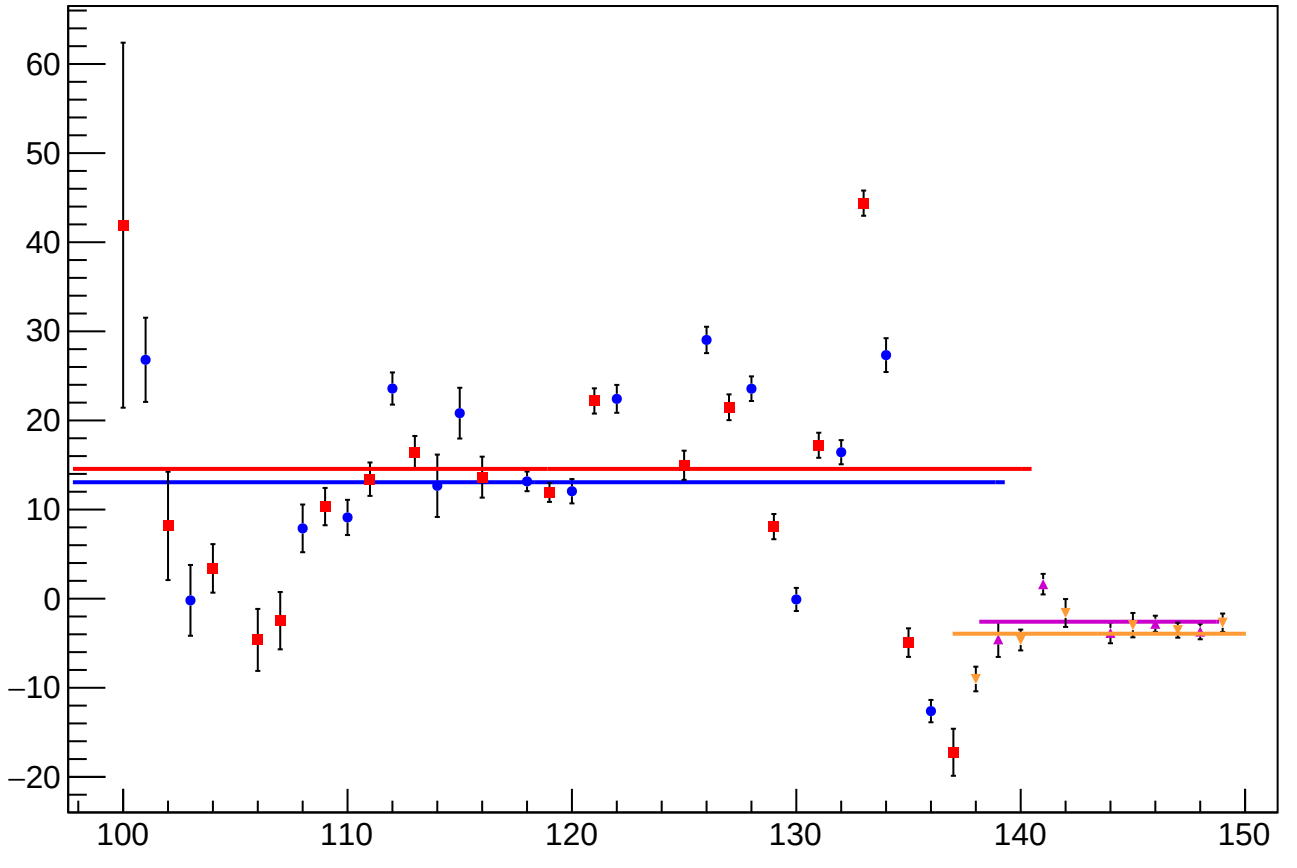
Left: -48.771+/-0.393 χ^2/NDF: 202.2/10

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -24.385+/-0.330 χ^2/NDF:5734.9/20

Out: -25.227+/-0.329 χ^2/NDF:5452.2/23

All: -24.807+/-0.233 χ^2/NDF: 11190.3/44



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.932+/-0.469 χ^2/NDF:18.2/5

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.587+/-0.483 χ^2/NDF:17.2/4

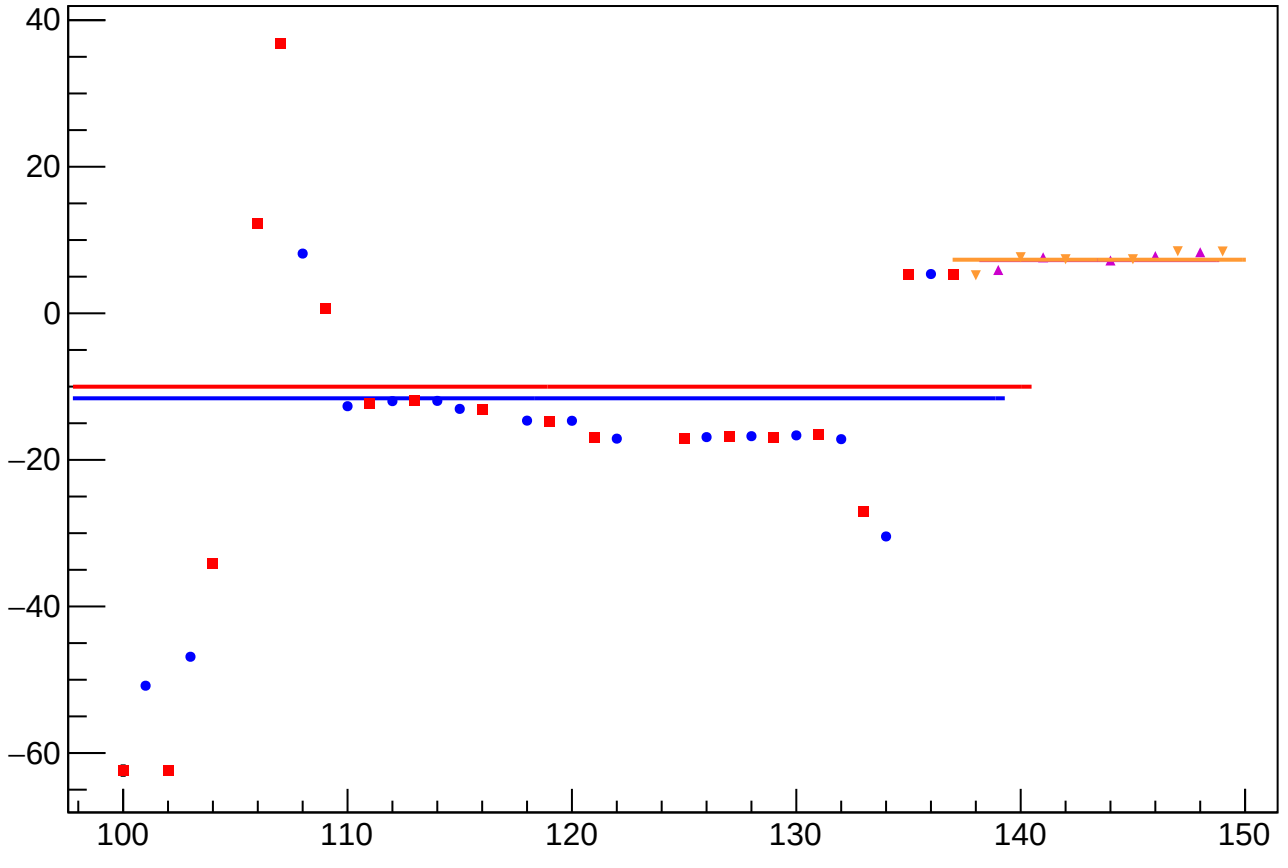
Left: -3.279+/-0.337 χ^2/NDF: 39.4/10

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 6.425+/-0.315 χ^2/NDF:1485.0/20

Out: 6.285+/-0.314 χ^2/NDF:1779.0/23

All: 6.355+/-0.222 χ^2/NDF: 3264.1/44



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.314+/-0.023 χ^2/NDF:2886.9/5

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.260+/-0.023 χ^2/NDF:1615.5/4

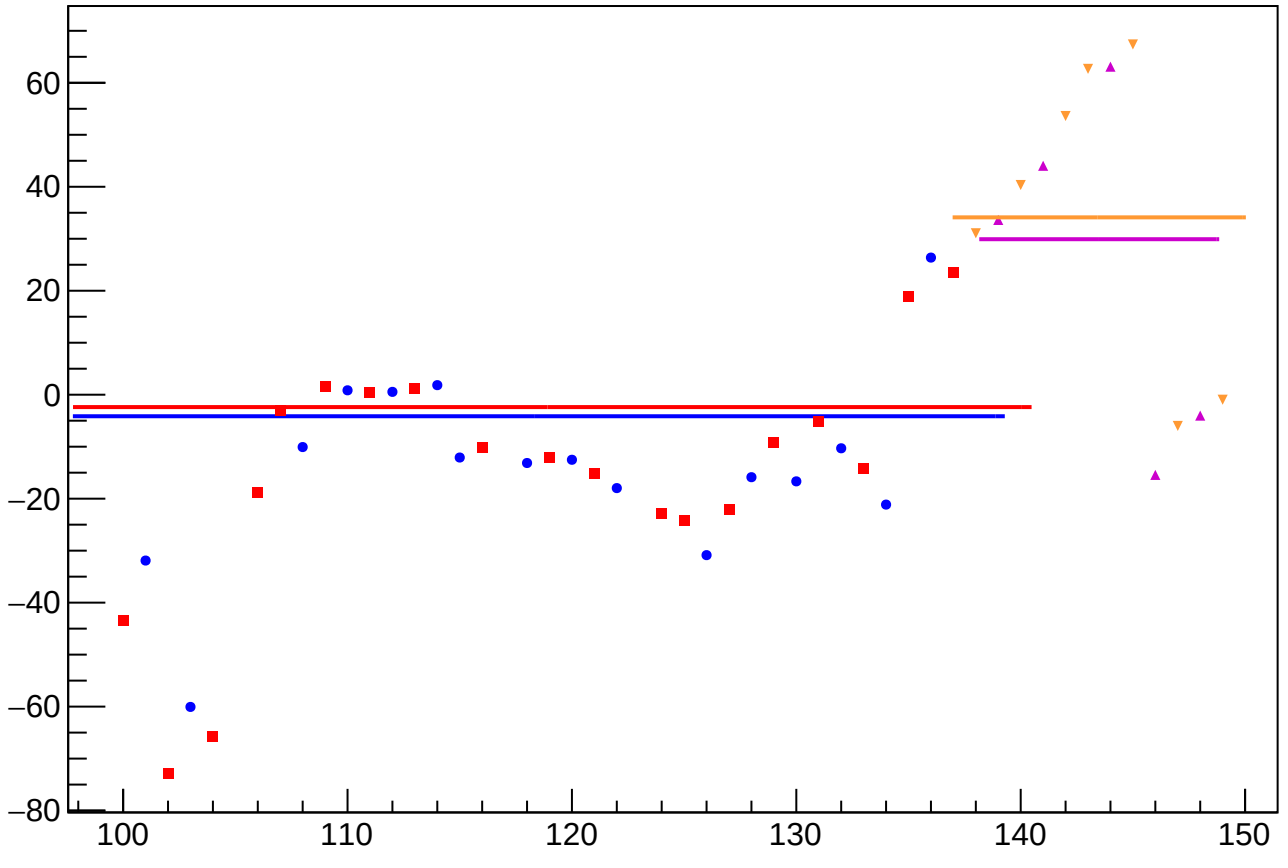
Left: 7.287+/-0.016 χ^2/NDF: 4505.2/10

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -0.865+/-0.017 χ^2/NDF:654446.9/20

Out: 0.259+/-0.018 χ^2/NDF:635420.3/23

All: -0.311+/-0.012 χ^2/NDF: 1291955.3/44



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 34.114+/-0.102 χ^2/NDF:54948.1/6

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: 32.215+/-0.075 χ^2/NDF: 107638.8/11

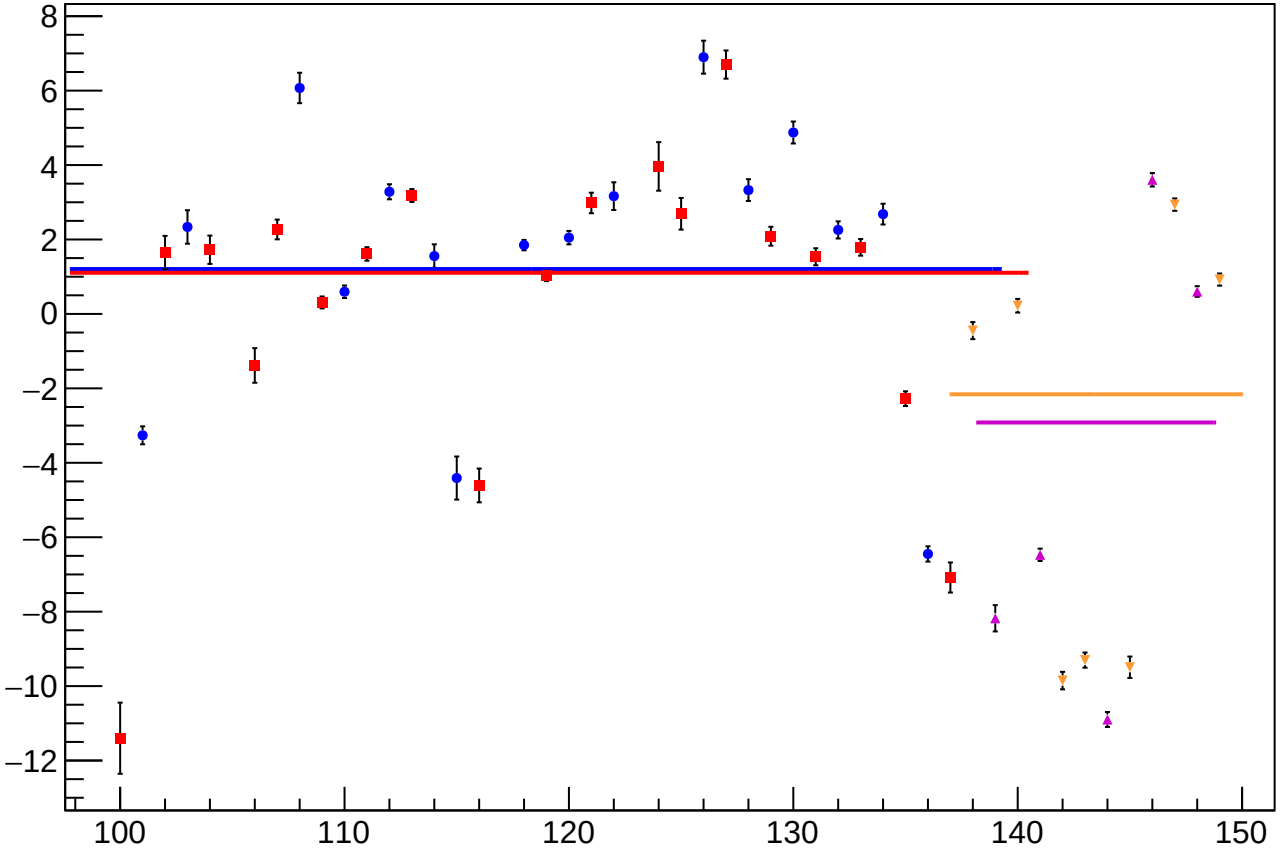
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.431+/-0.049 χ^2/NDF:202085.7/20

Out: 3.865+/-0.042 χ^2/NDF:242817.3/25

All: 3.260+/-0.032 χ^2/NDF: 445395.5/46

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: -2.159+/-0.075 χ^2/NDF:4460.7/6

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -2.917+/-0.082 χ^2/NDF:4147.9/4

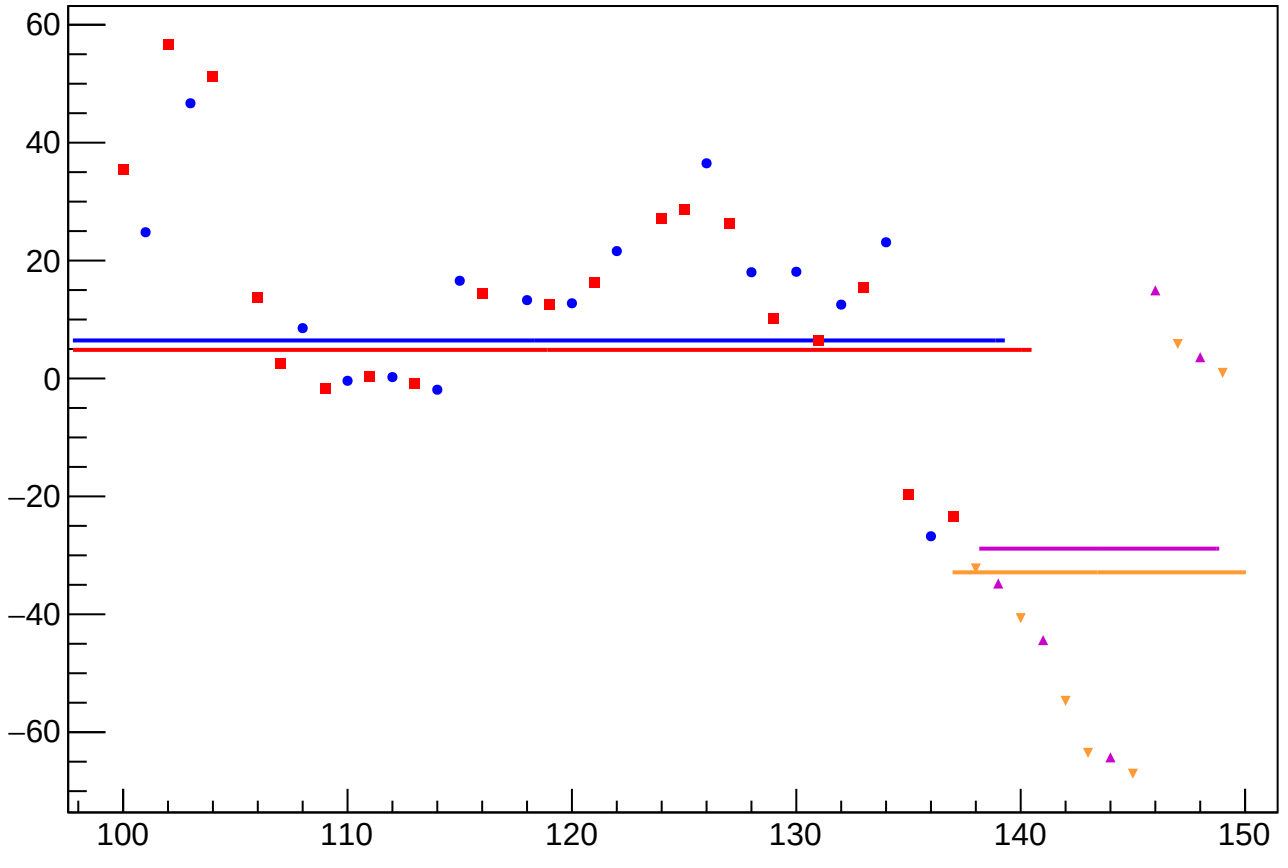
Left: -2.505+/-0.056 χ^2/NDF: 8654.8/11

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.241+/-0.049 χ^2/NDF:8365.6/20

Out: -0.089+/-0.046 χ^2/NDF:7239.2/25

All: -0.160+/-0.033 χ^2/NDF: 15610.0/46



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -32.885+/-0.102 χ^2/NDF:58668.8/6

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: -31.069+/-0.076 χ^2/NDF: 114444.4/11

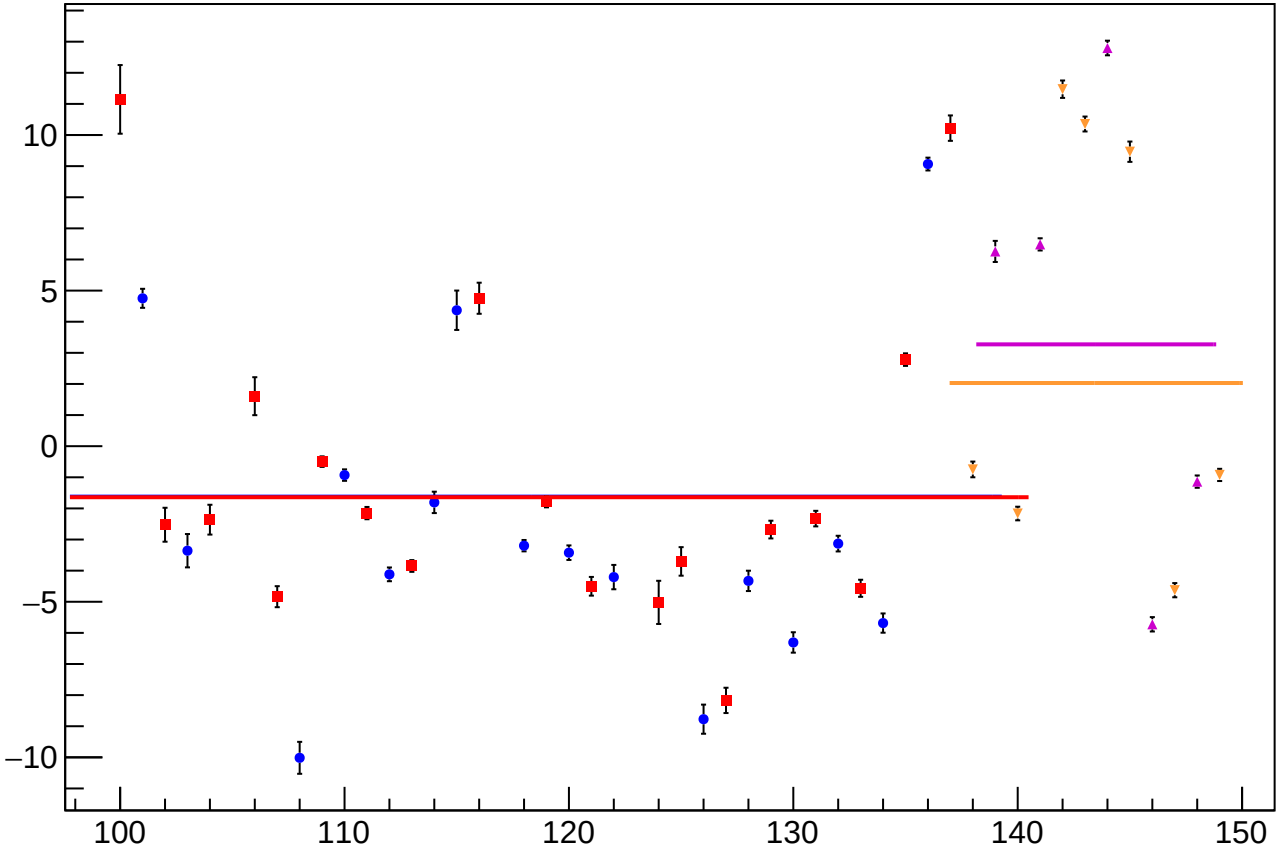
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -2.409+/-0.056 χ^2/NDF:199343.4/20

Out: -4.610+/-0.051 χ^2/NDF:236004.8/25

All: -3.616+/-0.038 χ^2/NDF: 436182.8/46

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 2.031+/-0.091 χ^2/NDF:4426.2/6

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 3.272+/-0.102 χ^2/NDF:3993.4/4

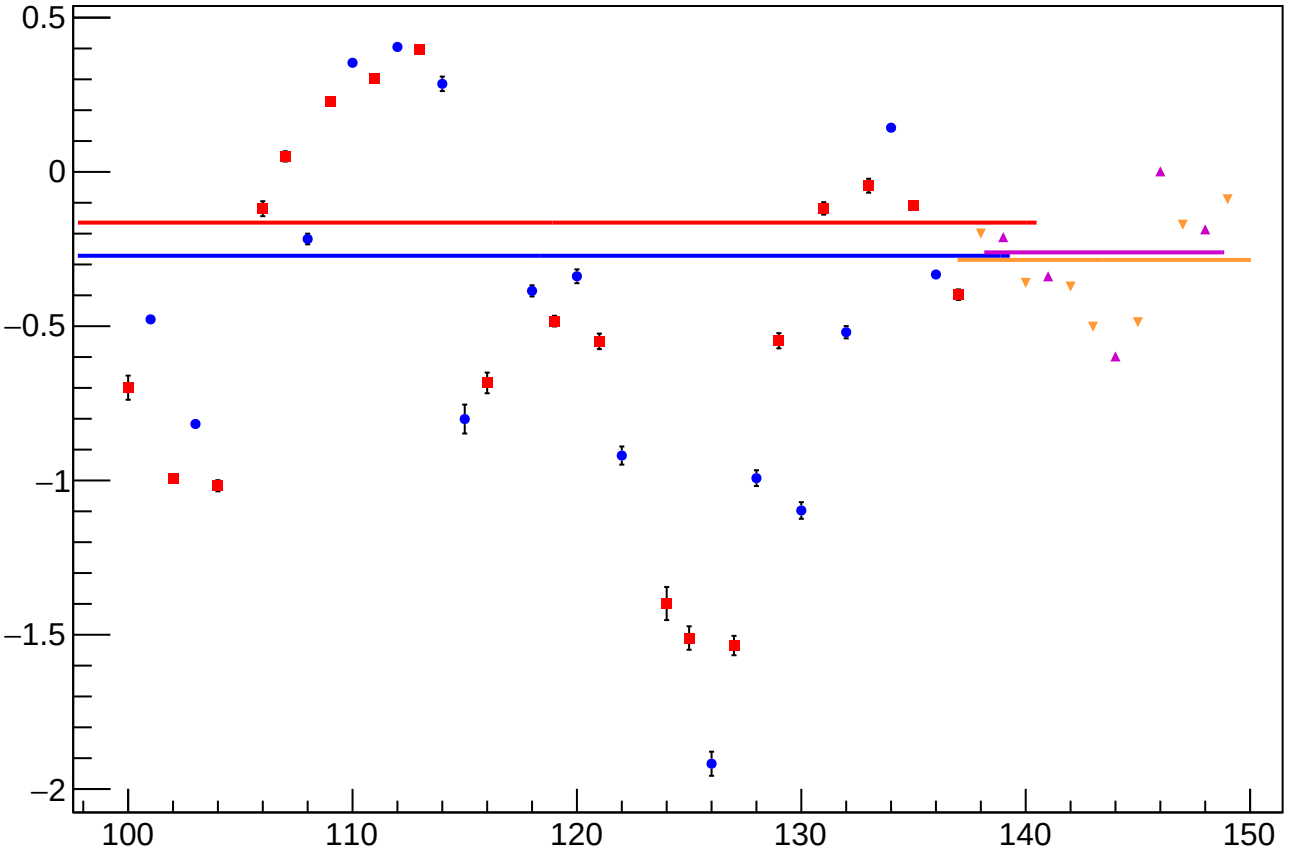
Left: 2.582+/-0.068 χ^2/NDF: 8502.6/11

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.059+/-0.057 χ^2/NDF:10098.2/20

Out: -0.409+/-0.053 χ^2/NDF:7973.0/25

All: -0.249+/-0.039 χ^2/NDF: 18091.3/46



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.285+/-0.004 χ^2/NDF:1189.1/6

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.261+/-0.004 χ^2/NDF:1266.8/4

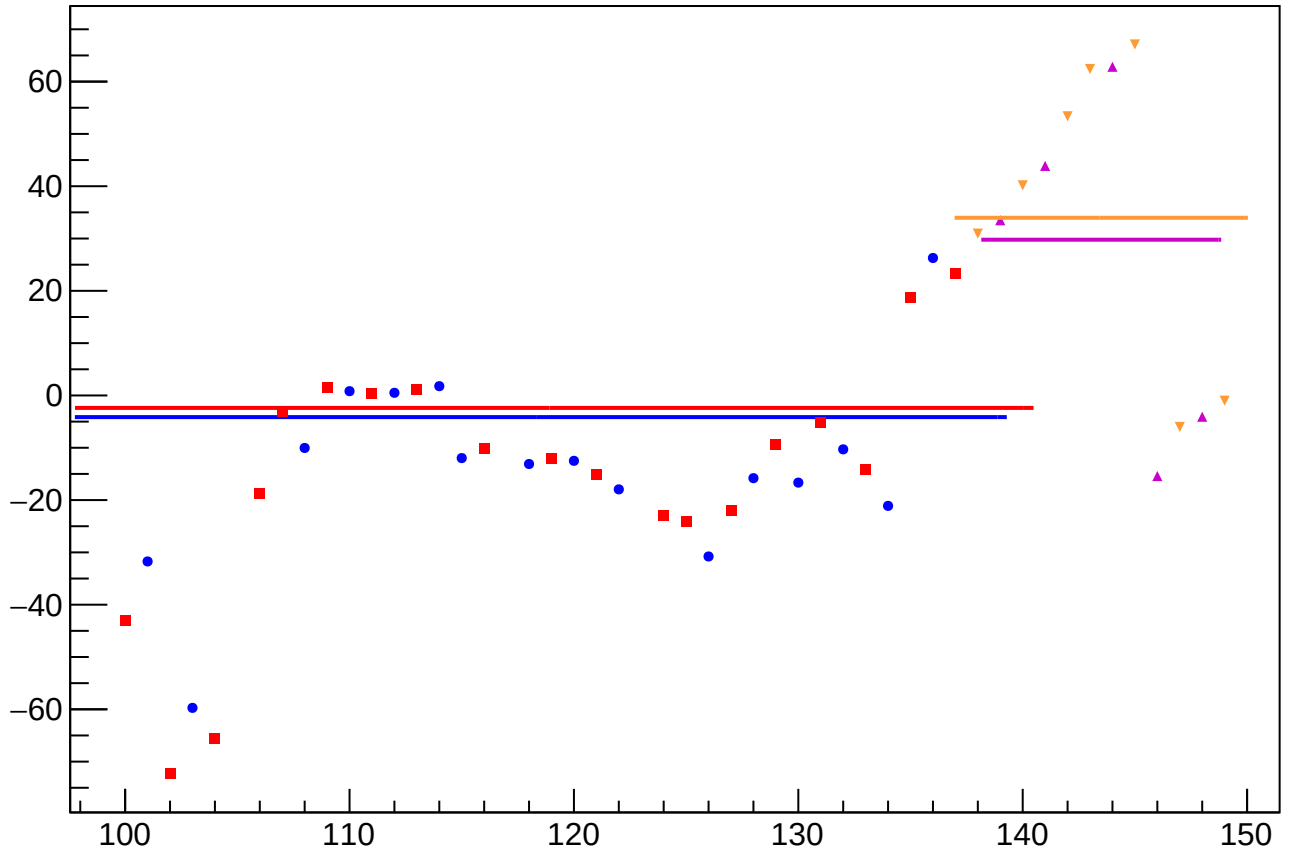
Left: -0.274+/-0.003 χ^2/NDF: 2471.8/11

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.267+/-0.003 χ^2/NDF:13318.2/20

Out: -0.219+/-0.003 χ^2/NDF:17141.5/25

All: -0.241+/-0.002 χ^2/NDF: 30593.7/46



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 33.969+/-0.101 χ^2/NDF:54902.5/6

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: 32.073+/-0.075 χ^2/NDF: 107617.5/11

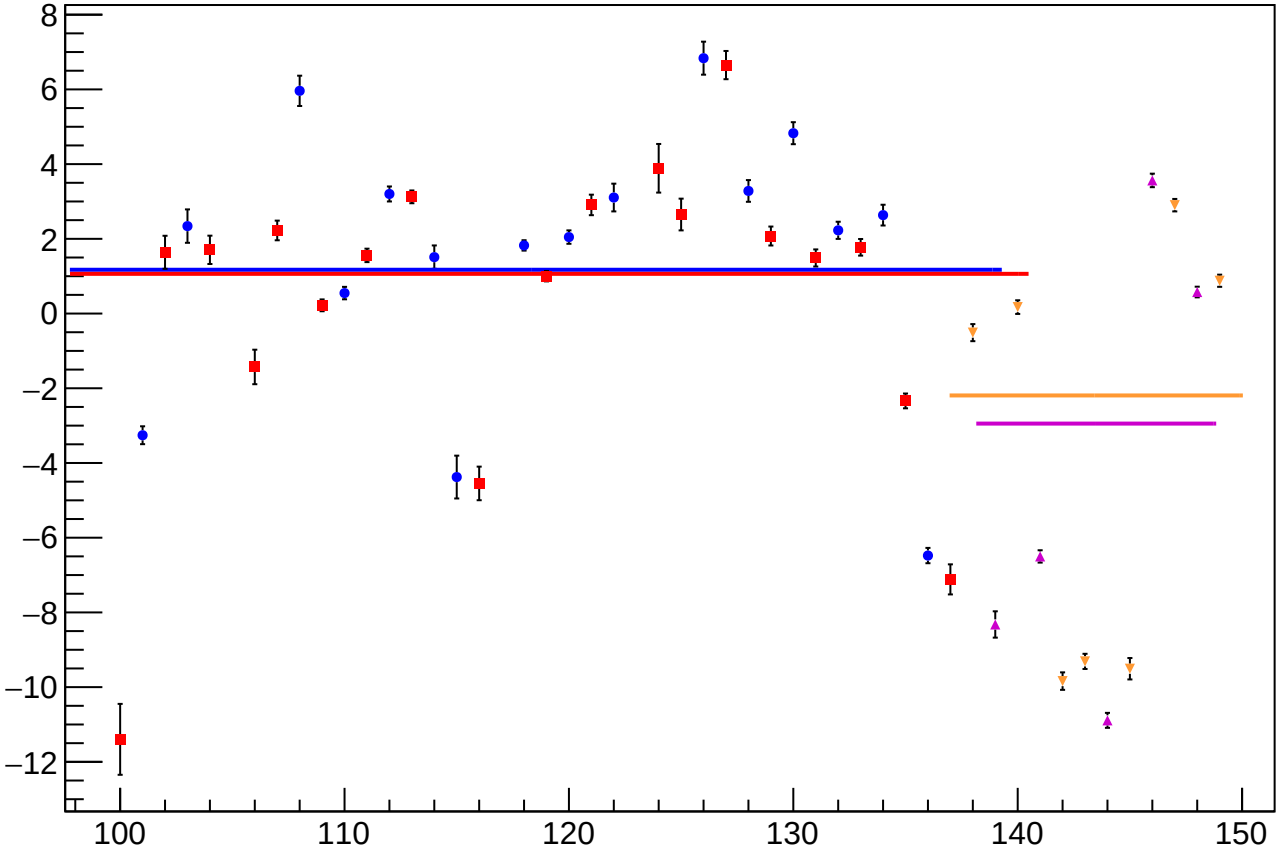
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.378+/-0.049 χ^2/NDF:202020.0/20

Out: 3.809+/-0.042 χ^2/NDF:242624.5/25

All: 3.205+/-0.032 χ^2/NDF: 445140.1/46

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: -2.192+/-0.075 χ^2/NDF:4458.8/6

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -2.946+/-0.082 χ^2/NDF:4166.9/4

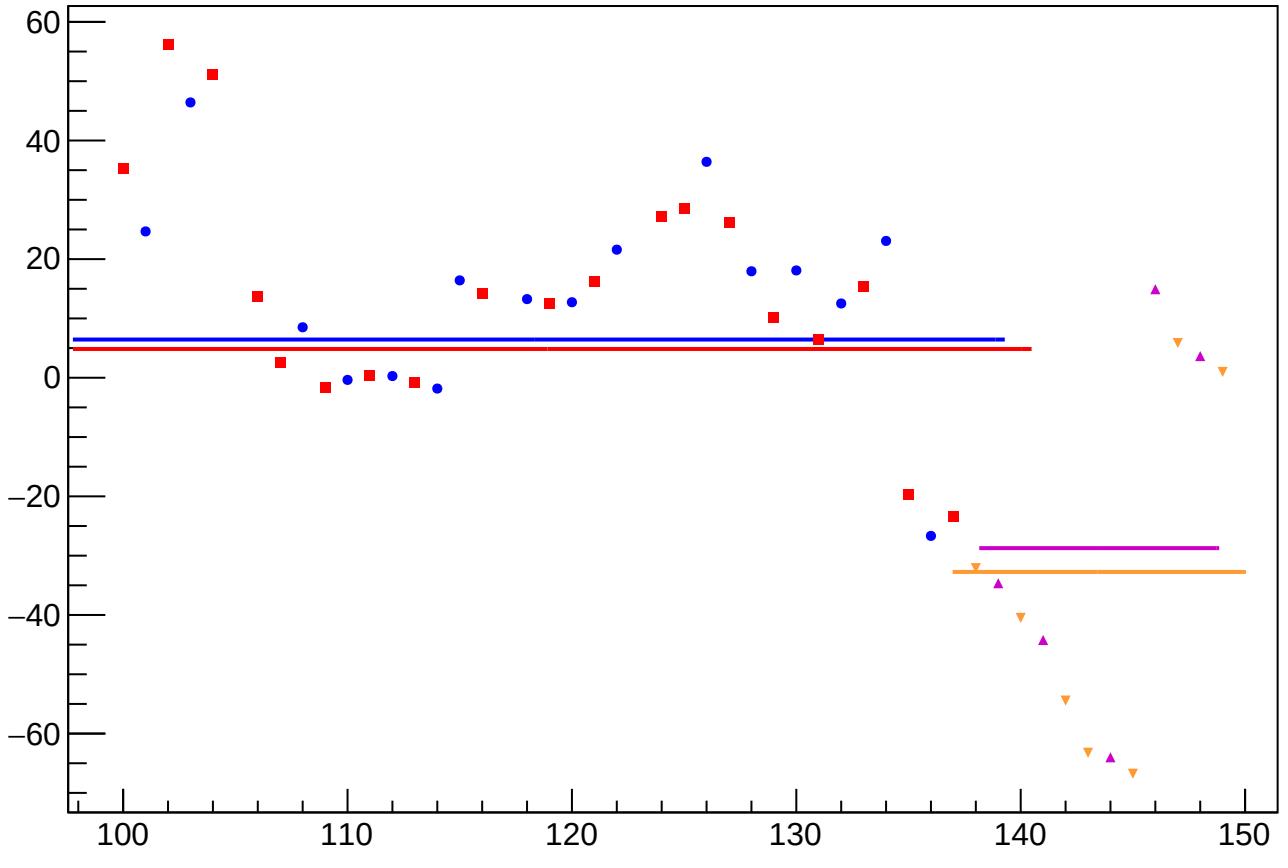
Left: -2.536+/-0.055 χ^2/NDF: 8671.7/11

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.269+/-0.048 χ^2/NDF:8393.8/20

Out: -0.126+/-0.045 χ^2/NDF:7248.6/25

All: -0.193+/-0.033 χ^2/NDF: 15647.1/46



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -32.743+/-0.102 χ^2/NDF:58616.8/6

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -28.729+/-0.112 χ^2/NDF:55095.3/4

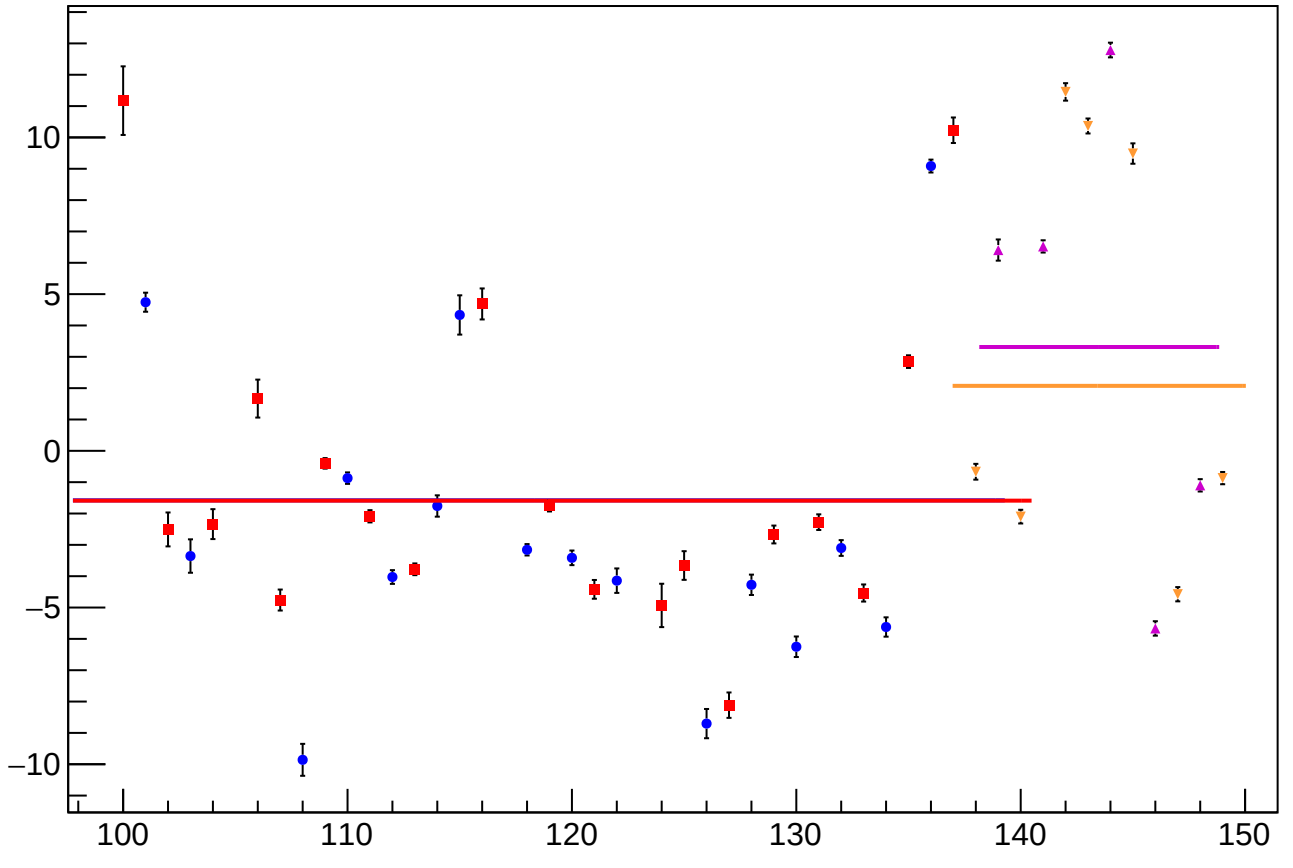
Left: -30.930+/-0.075 χ^2/NDF: 114412.4/11

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -2.352+/-0.056 χ^2/NDF:199266.1/20

Out: -4.544+/-0.051 χ^2/NDF:235821.9/25

All: -3.555+/-0.038 χ^2/NDF: 435923.8/46



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 2.073+/-0.091 χ^2/NDF:4418.3/6

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: 2.624+/-0.068 χ^2/NDF: 8505.1/11

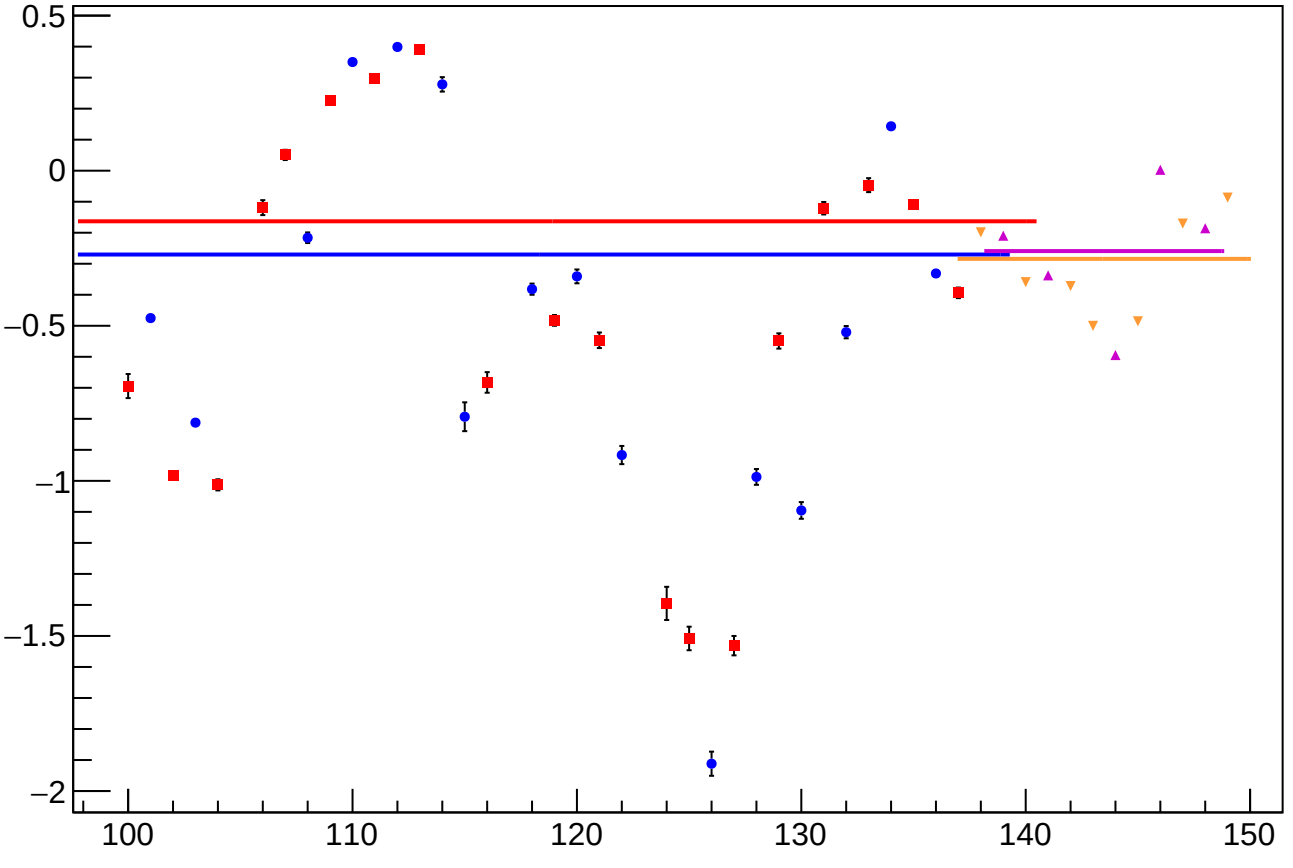
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.022+/-0.057 χ^2/NDF:10119.1/20

Out: -0.363+/-0.052 χ^2/NDF:7978.6/25

All: -0.207+/-0.039 χ^2/NDF: 18117.1/46

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.284+/-0.004 χ^2/NDF:1200.1/6

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.259+/-0.004 χ^2/NDF:1265.1/4

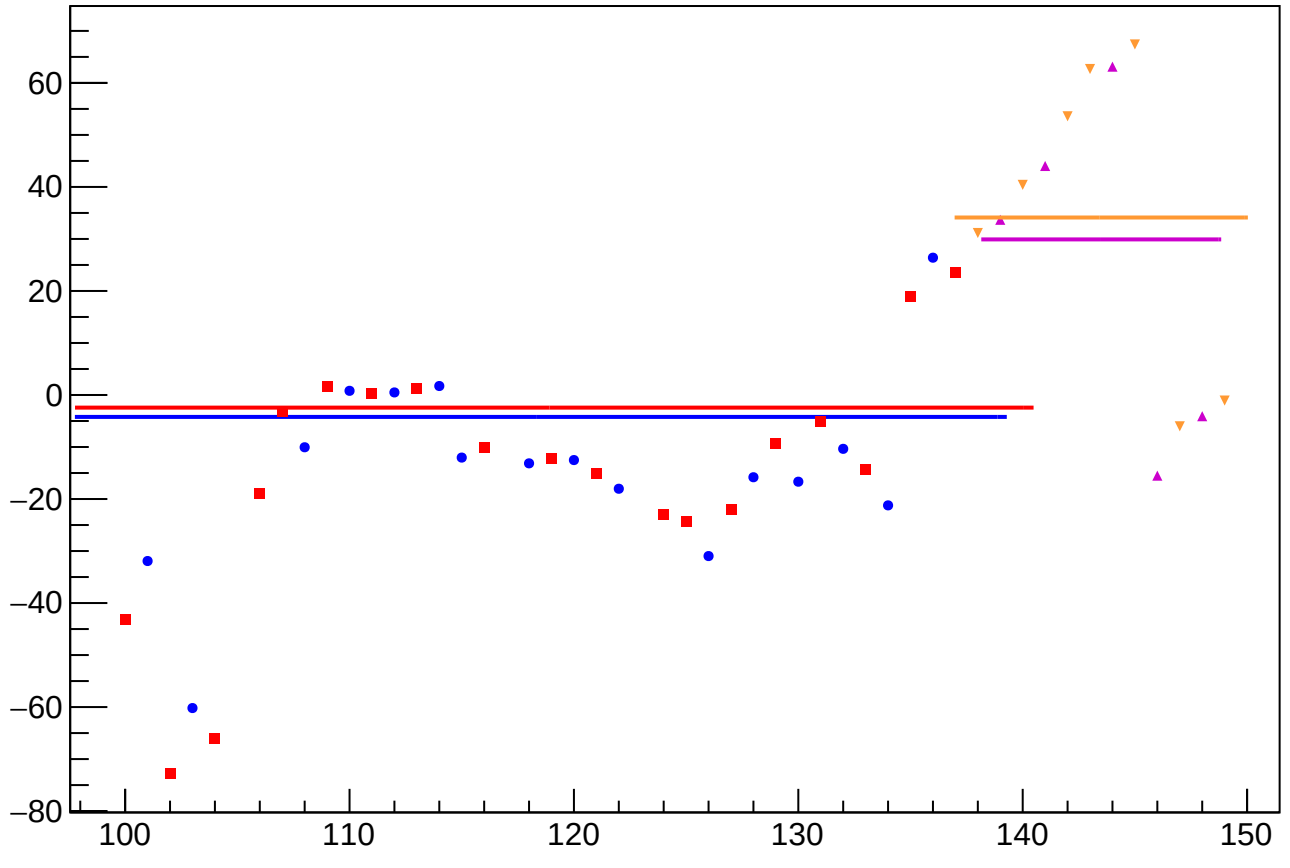
Left: -0.272+/-0.003 χ^2/NDF: 2482.1/11

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.265+/-0.003 χ^2/NDF:13304.8/20

Out: -0.217+/-0.003 χ^2/NDF:17170.7/25

All: -0.240+/-0.002 χ^2/NDF: 30608.8/46



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 34.124+/-0.102 χ^2/NDF:55027.6/6

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: 32.221+/-0.075 χ^2/NDF: 107761.4/11

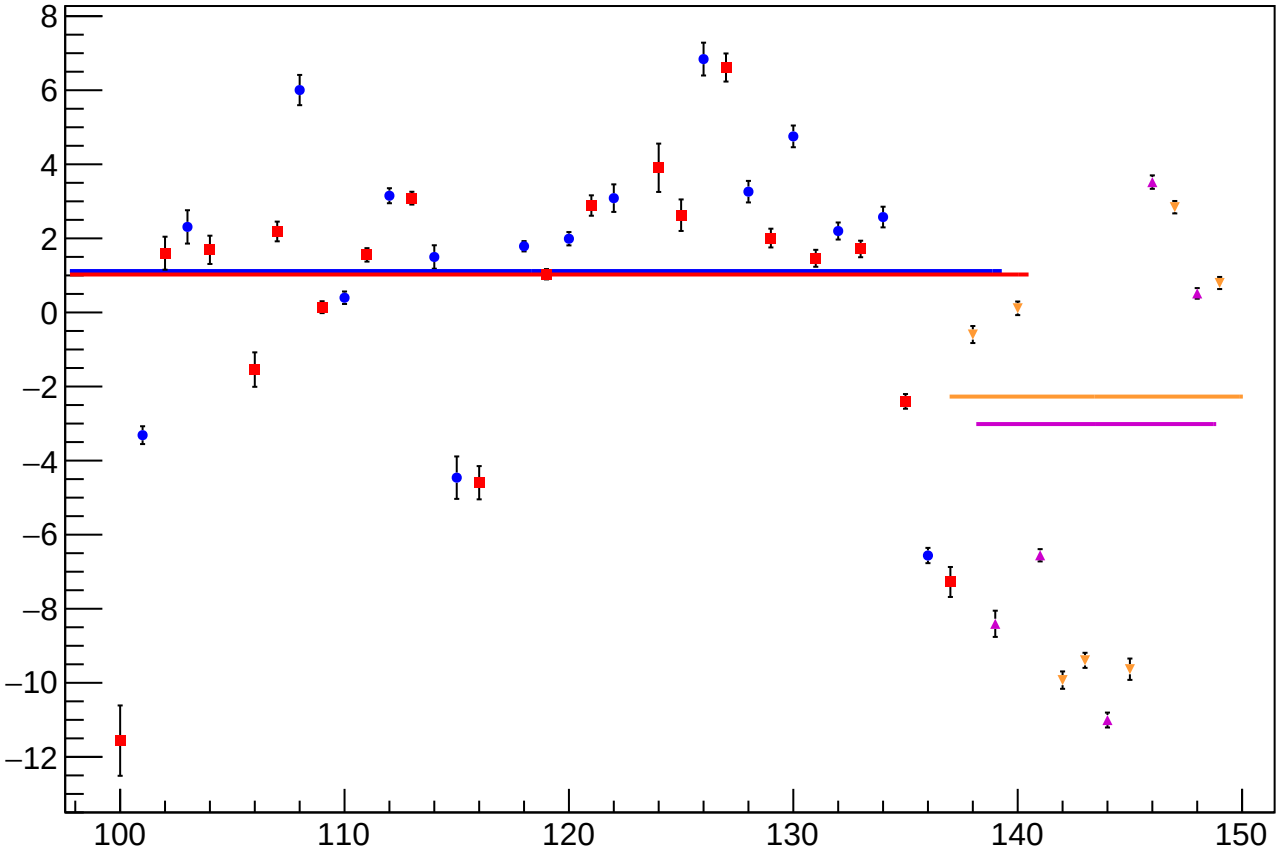
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 2.368+/-0.049 χ^2/NDF:202219.5/20

Out: 3.828+/-0.042 χ^2/NDF:242971.4/25

All: 3.211+/-0.032 χ^2/NDF: 445700.8/46

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -2.272+/-0.075 χ^2/NDF:4444.4/6

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: -2.610+/-0.056 χ^2/NDF: 8646.9/11

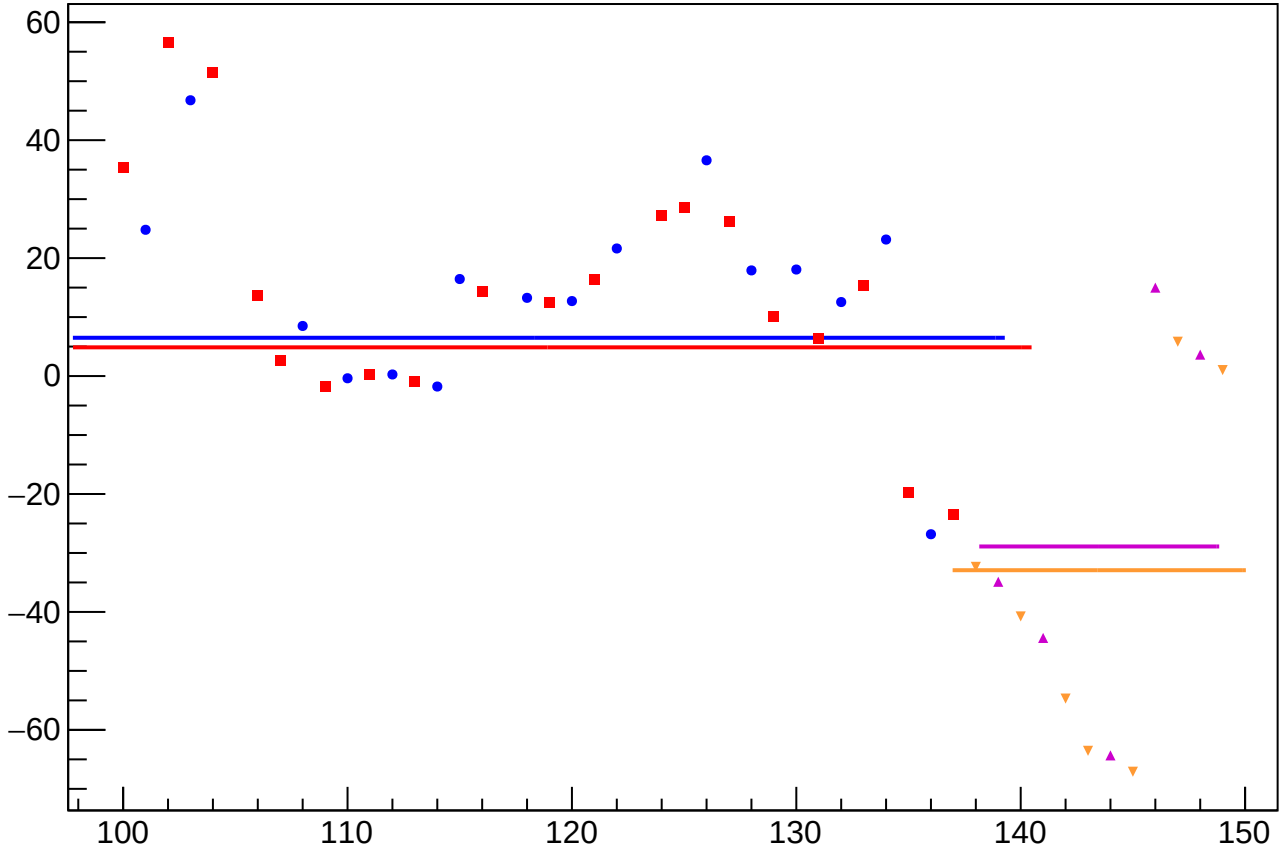
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.329+/-0.049 χ^2/NDF:8388.3/20

Out: -0.181+/-0.046 χ^2/NDF:7269.1/25

All: -0.250+/-0.033 χ^2/NDF: 15662.3/46

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: -32.924+/-0.102 χ^2/NDF:58771.1/6

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -28.898+/-0.113 χ^2/NDF:55126.0/4

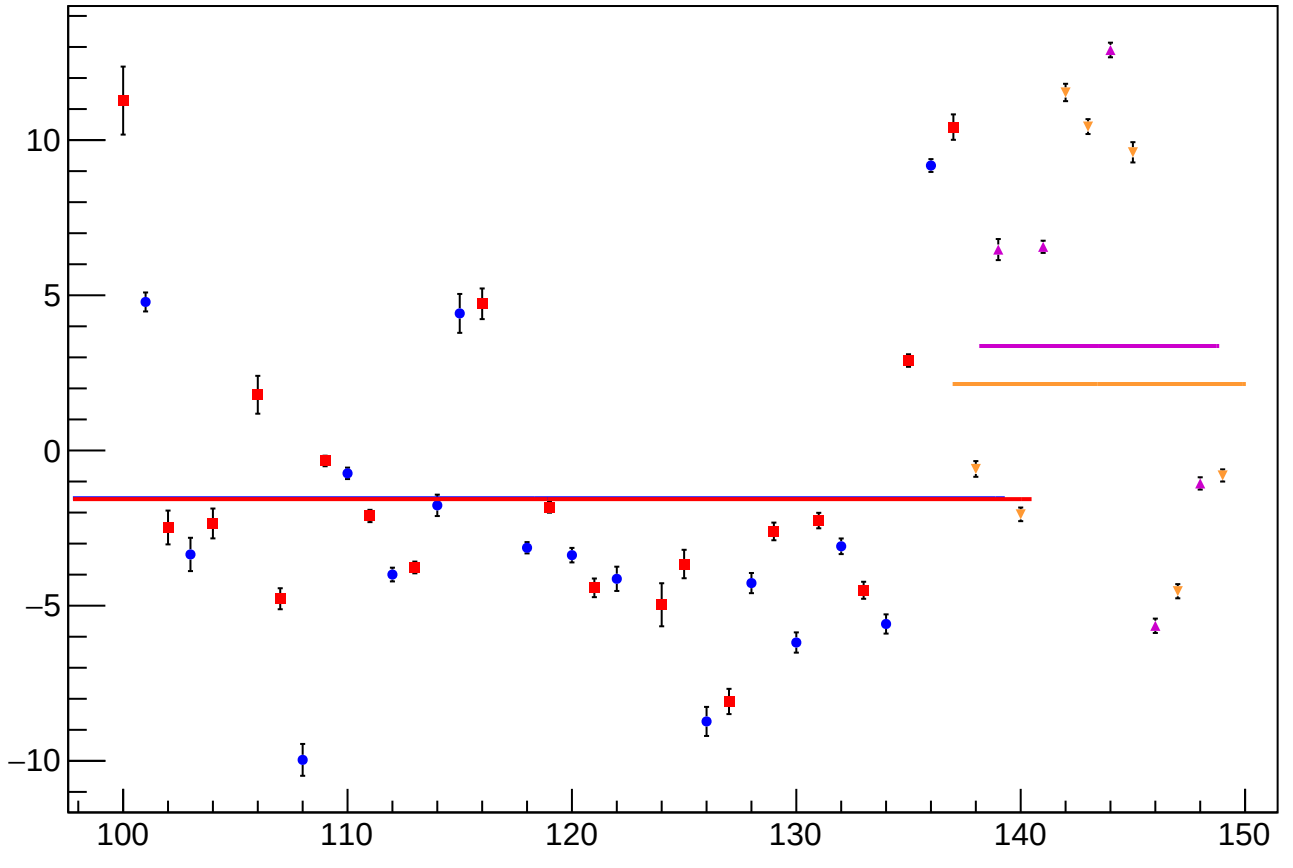
Left: -31.106+/-0.076 χ^2/NDF: 114595.6/11

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -2.374+/-0.056 χ^2/NDF:199502.9/20

Out: -4.605+/-0.051 χ^2/NDF:236205.1/25

All: -3.597+/-0.038 χ^2/NDF: 436563.6/46



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.142+/-0.091 χ^2/NDF:4405.7/6

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 3.366+/-0.102 χ^2/NDF:4001.8/4

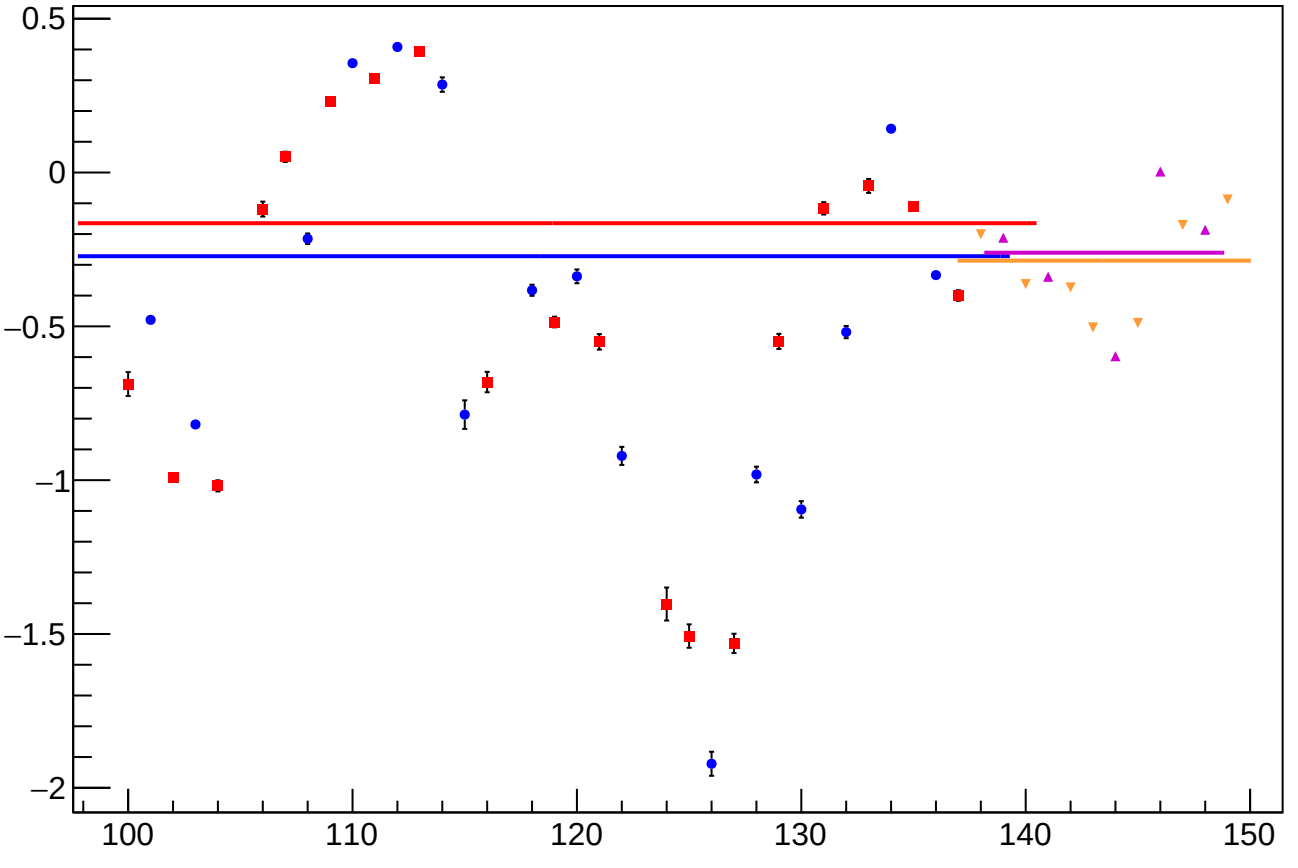
Left: 2.686+/-0.068 χ^2/NDF: 8488.1/11

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: 0.024+/-0.057 χ^2/NDF:10122.7/20

Out: -0.323+/-0.053 χ^2/NDF:8008.6/25

All: -0.165+/-0.039 χ^2/NDF: 18151.1/46



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.286+/-0.004 χ^2/NDF:1206.0/6

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.261+/-0.004 χ^2/NDF:1265.0/4

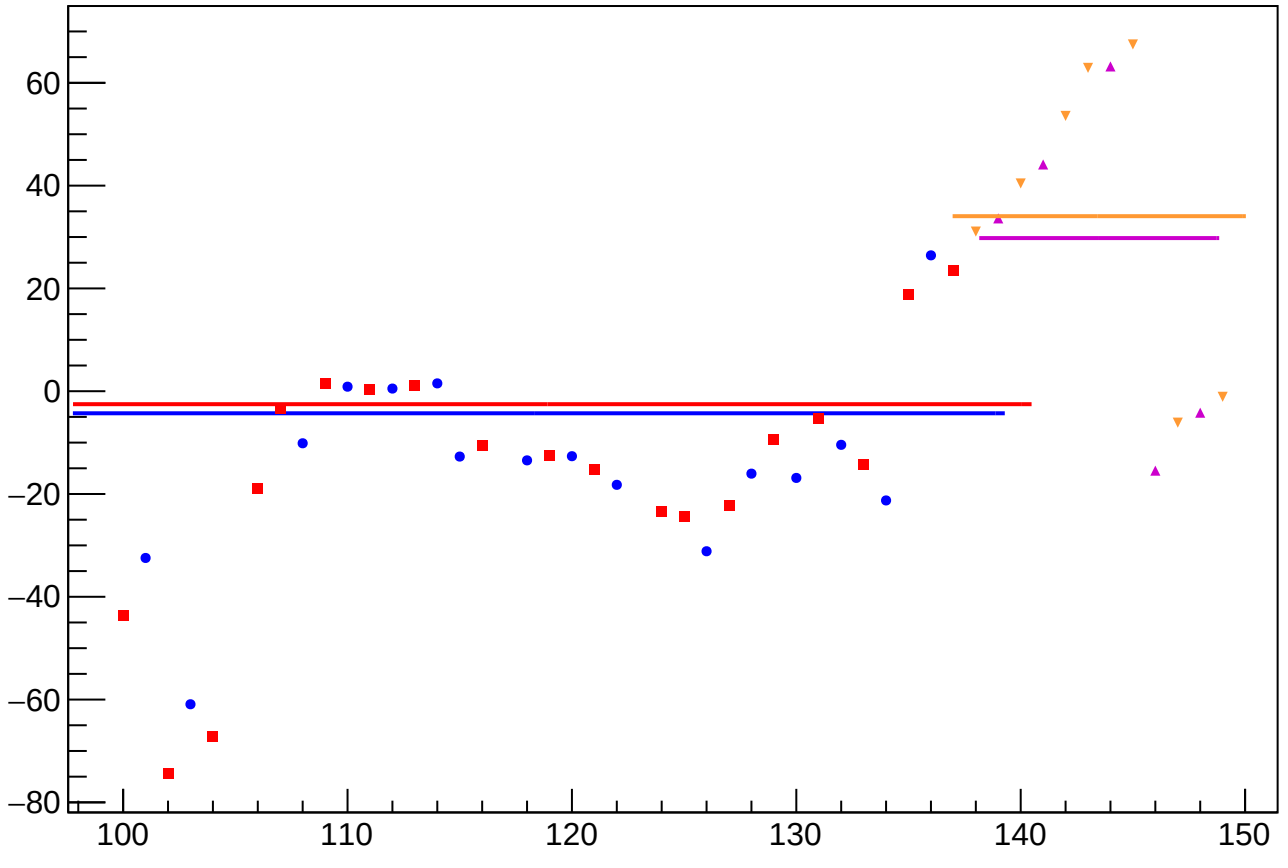
Left: -0.274+/-0.003 χ^2/NDF: 2488.6/11

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.267+/-0.003 χ^2/NDF:13332.2/20

Out: -0.219+/-0.003 χ^2/NDF:17157.2/25

All: -0.241+/-0.002 χ^2/NDF: 30619.8/46



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 34.055+/-0.102 χ^2/NDF:54612.9/6

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 29.795+/-0.113 χ^2/NDF:51486.9/4

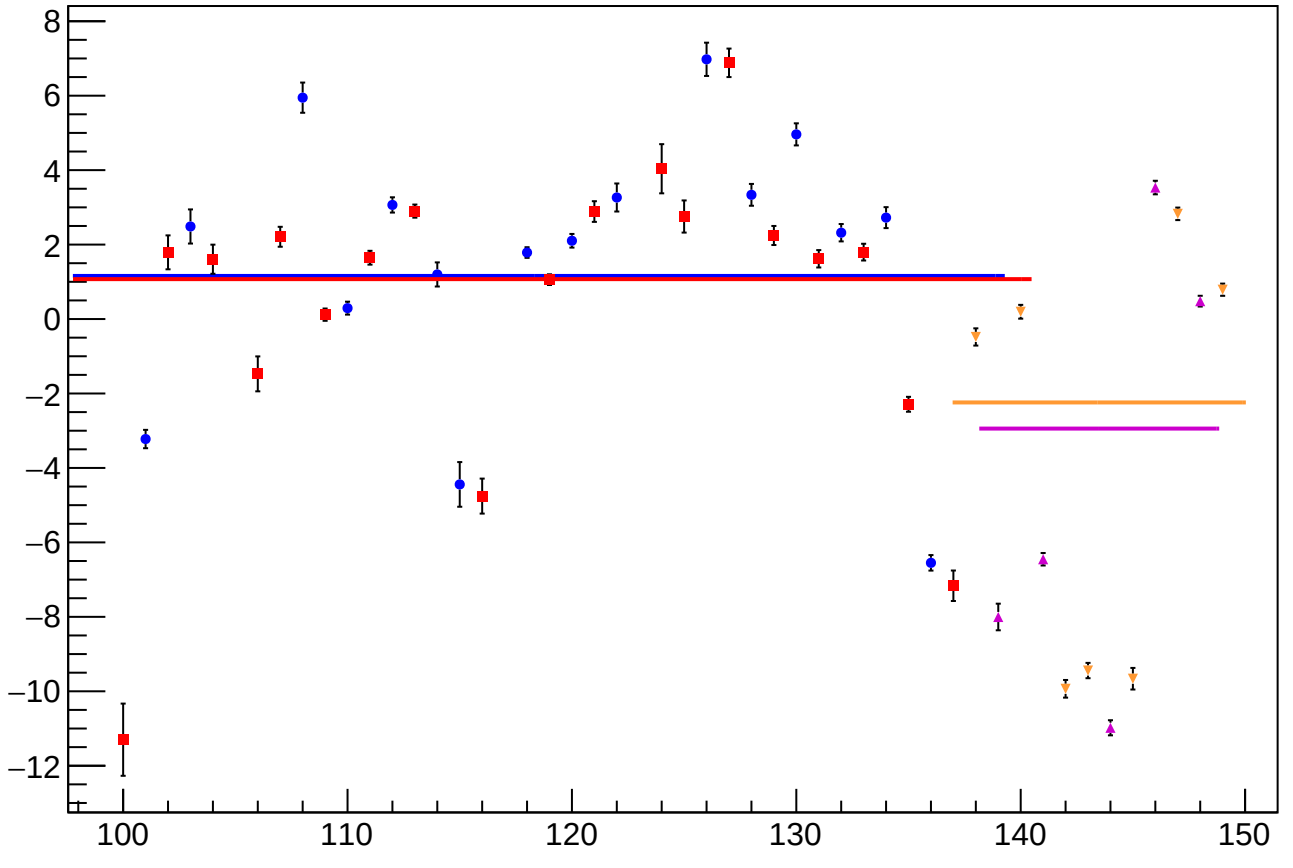
Left: 32.131+/-0.076 χ^2/NDF: 106881.1/11

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 2.385+/-0.050 χ^2/NDF:199021.6/20

Out: 3.889+/-0.043 χ^2/NDF:239663.3/25

All: 3.251+/-0.033 χ^2/NDF: 439206.4/46



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -2.241+/-0.076 χ^2/NDF:4407.8/6

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -2.943+/-0.083 χ^2/NDF:4026.7/4

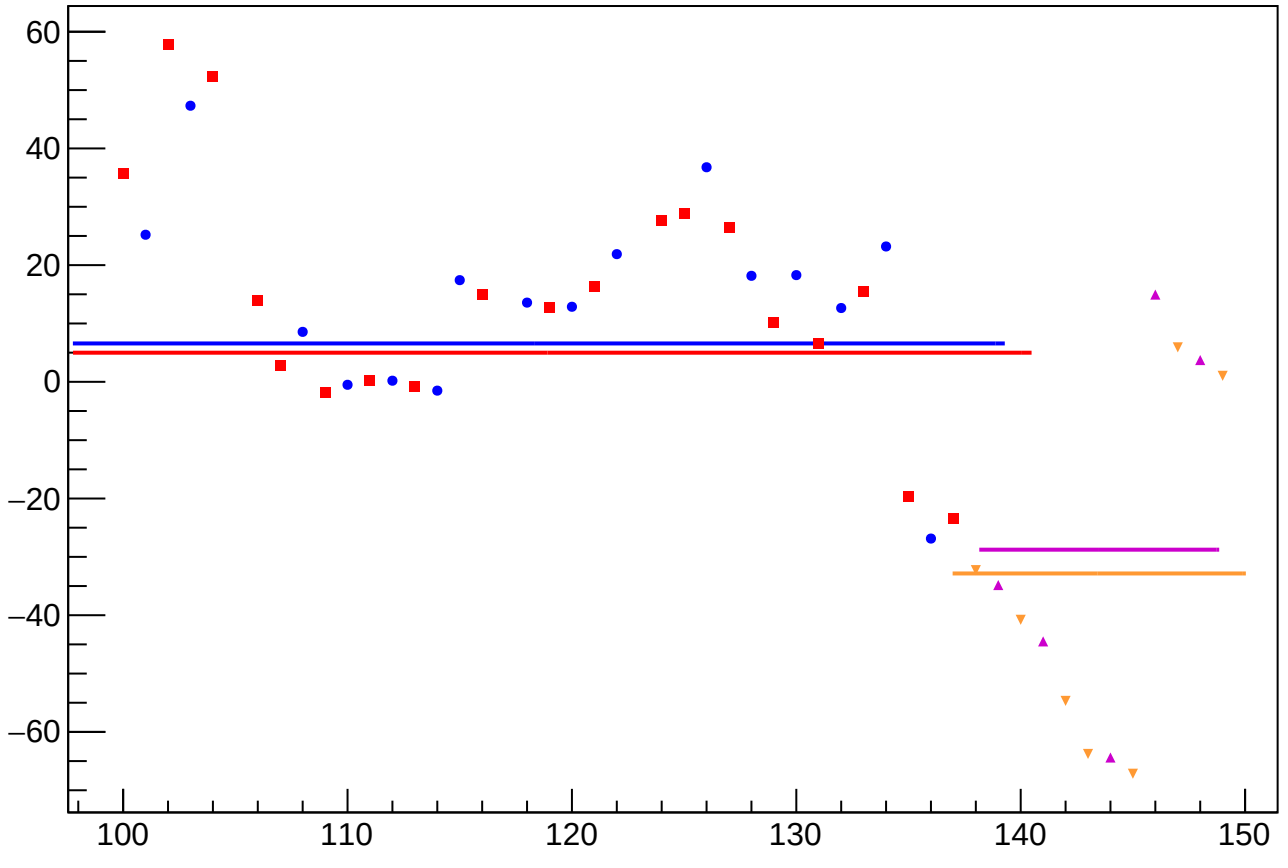
Left: -2.561+/-0.056 χ^2/NDF: 8473.5/11

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.298+/-0.049 χ^2/NDF:8154.6/20

Out: -0.158+/-0.046 χ^2/NDF:7155.8/25

All: -0.224+/-0.034 χ^2/NDF: 15314.7/46



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -32.845+/-0.103 χ^2/NDF:58293.5/6

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -28.768+/-0.114 χ^2/NDF:54602.6/4

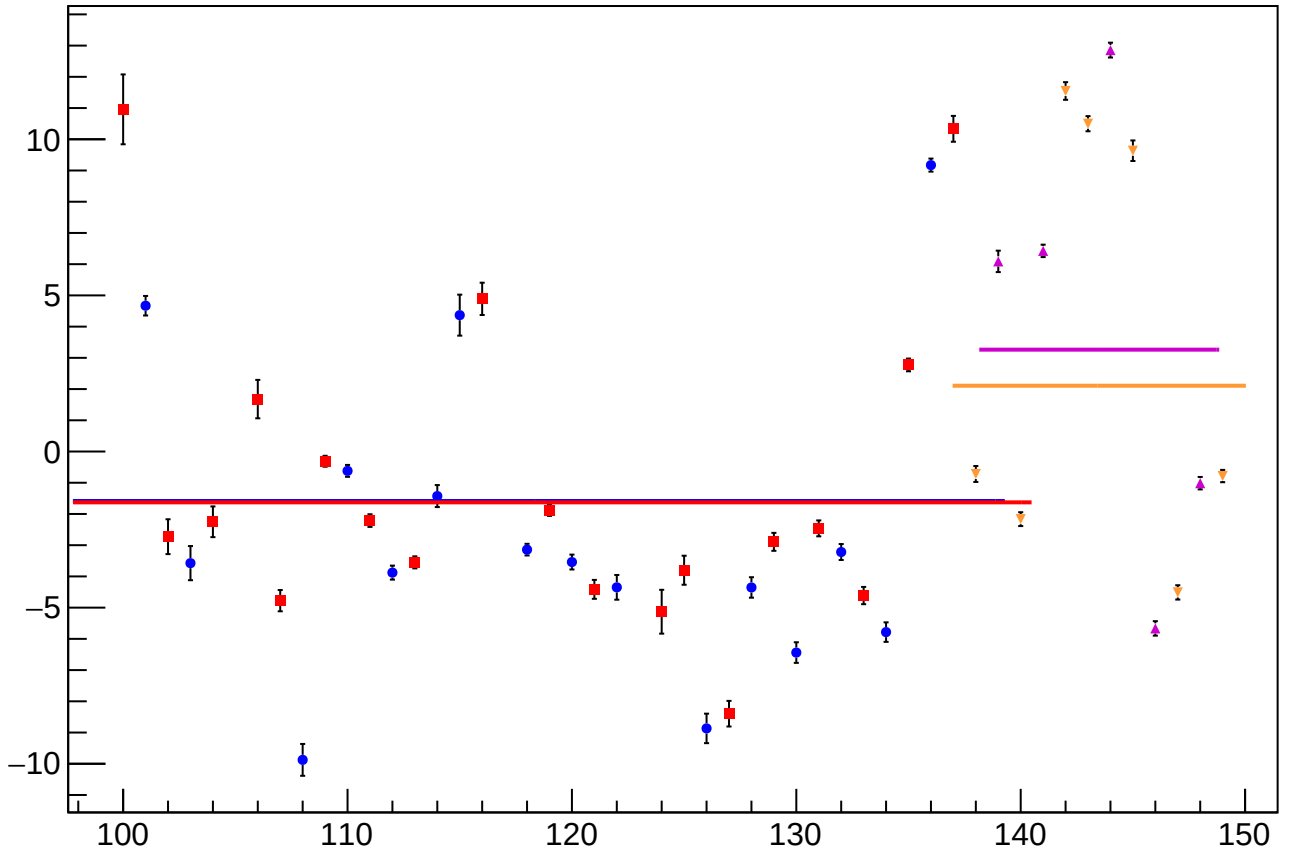
Left: -31.006+/-0.076 χ^2/NDF: 113600.9/11

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -2.401+/-0.057 χ^2/NDF:196328.9/20

Out: -4.674+/-0.052 χ^2/NDF:232945.2/25

All: -3.646+/-0.039 χ^2/NDF: 430134.5/46



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 2.107+/-0.092 χ^2/NDF:4377.8/6

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: 2.620+/-0.068 χ^2/NDF: 8338.5/11

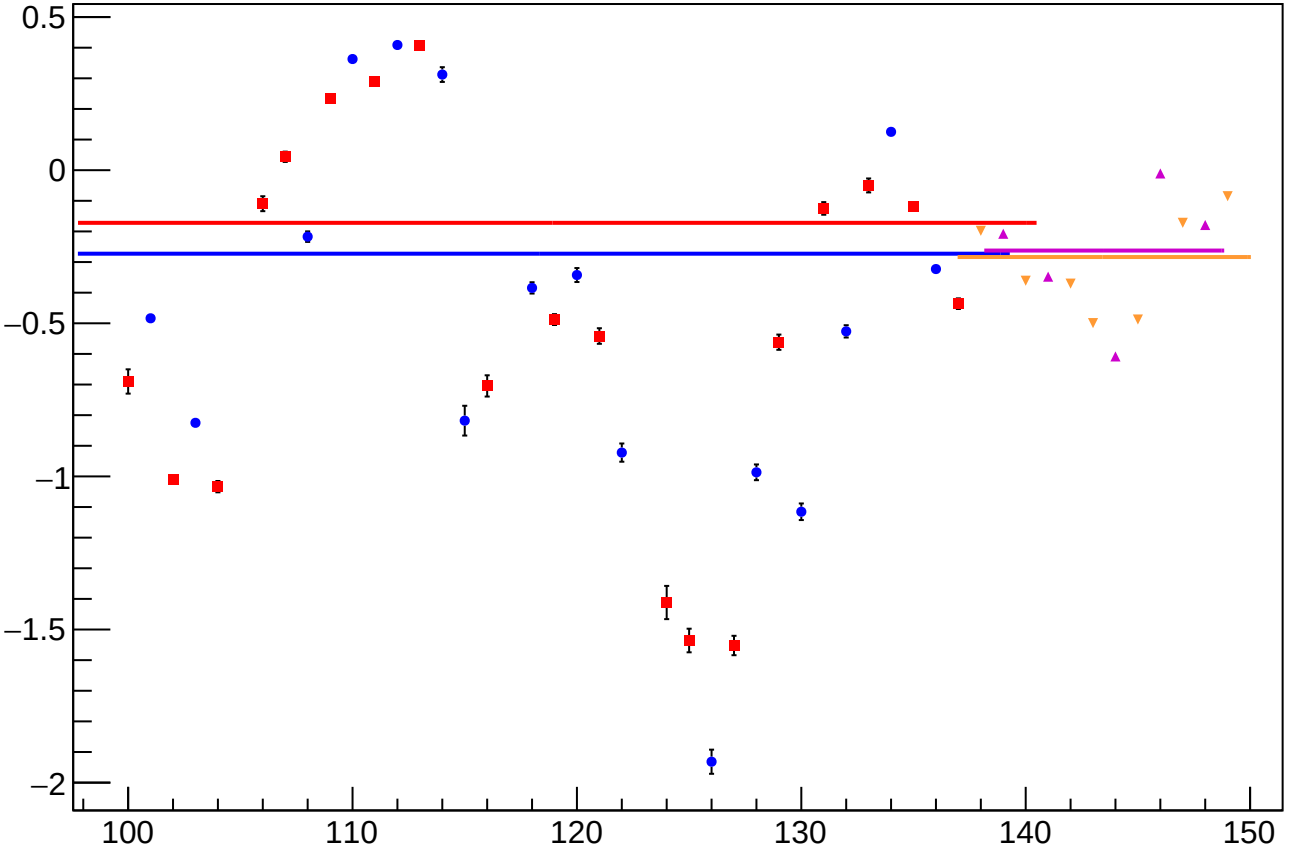
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.020+/-0.058 χ^2/NDF:9877.2/20

Out: -0.356+/-0.053 χ^2/NDF:7896.2/25

All: -0.202+/-0.039 χ^2/NDF: 17791.4/46

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.284+/-0.004 χ^2/NDF:1183.9/6

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.262+/-0.005 χ^2/NDF:1287.5/4

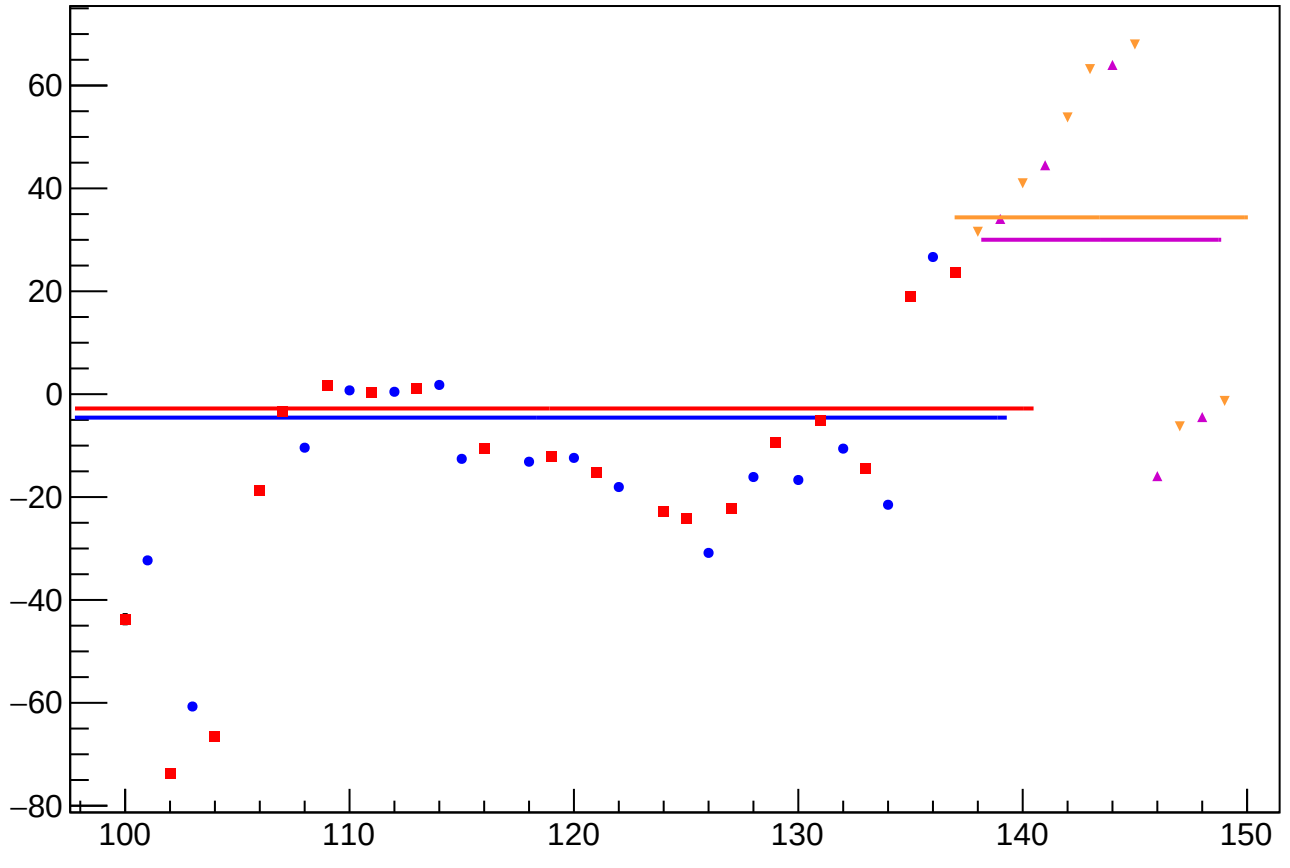
Left: -0.274+/-0.003 χ^2/NDF: 2483.1/11

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.268+/-0.003 χ^2/NDF:13146.5/20

Out: -0.223+/-0.003 χ^2/NDF:16885.0/25

All: -0.244+/-0.002 χ^2/NDF: 30147.5/46



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 34.371+/-0.104 χ^2/NDF:53894.8/6

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 30.018+/-0.115 χ^2/NDF:51362.3/4

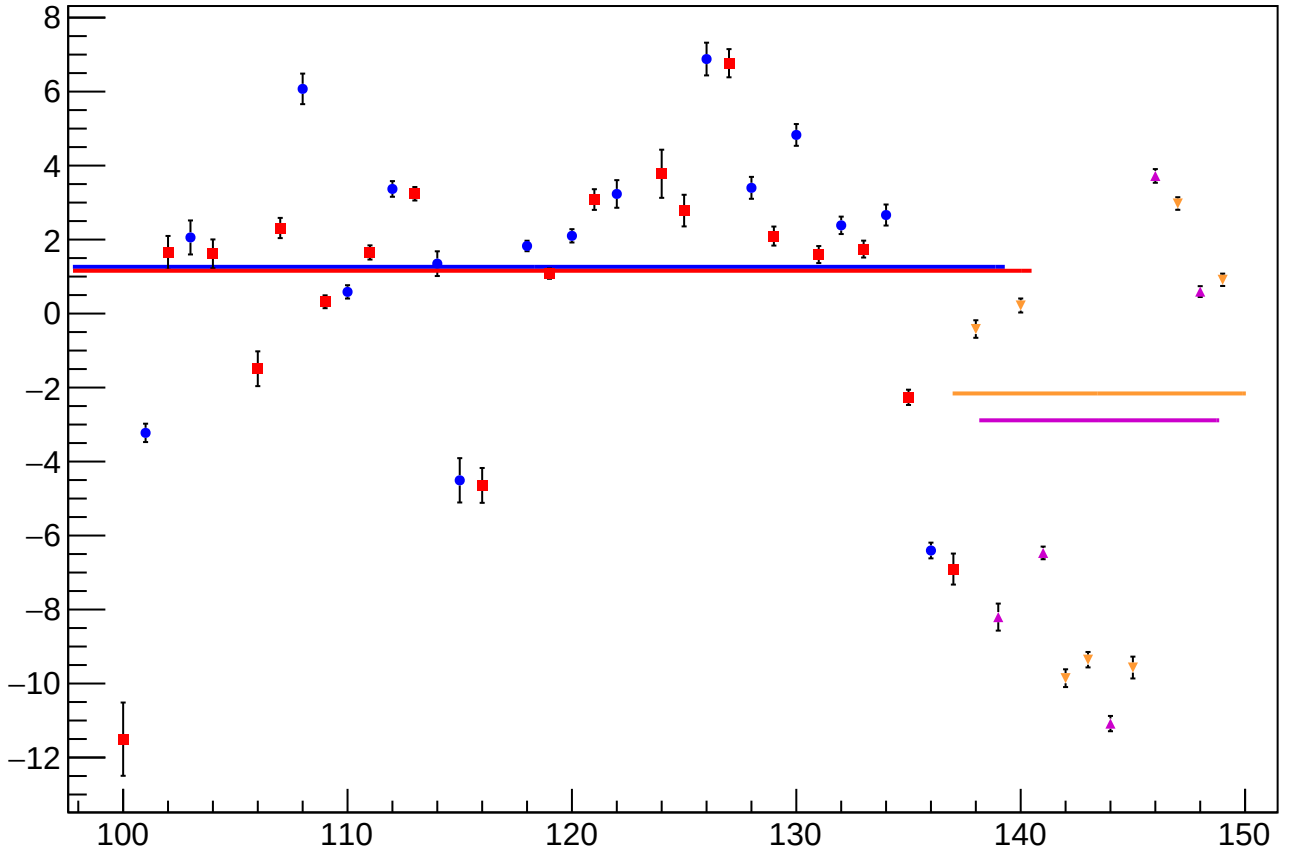
Left: 32.404+/-0.077 χ^2/NDF: 106041.8/11

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 2.219+/-0.051 χ^2/NDF:196608.6/20

Out: 3.812+/-0.044 χ^2/NDF:235864.2/25

All: 3.131+/-0.033 χ^2/NDF: 433033.1/46



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.159+/-0.077 χ^2/NDF:4304.5/6

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: -2.491+/-0.057 χ^2/NDF: 8401.3/11

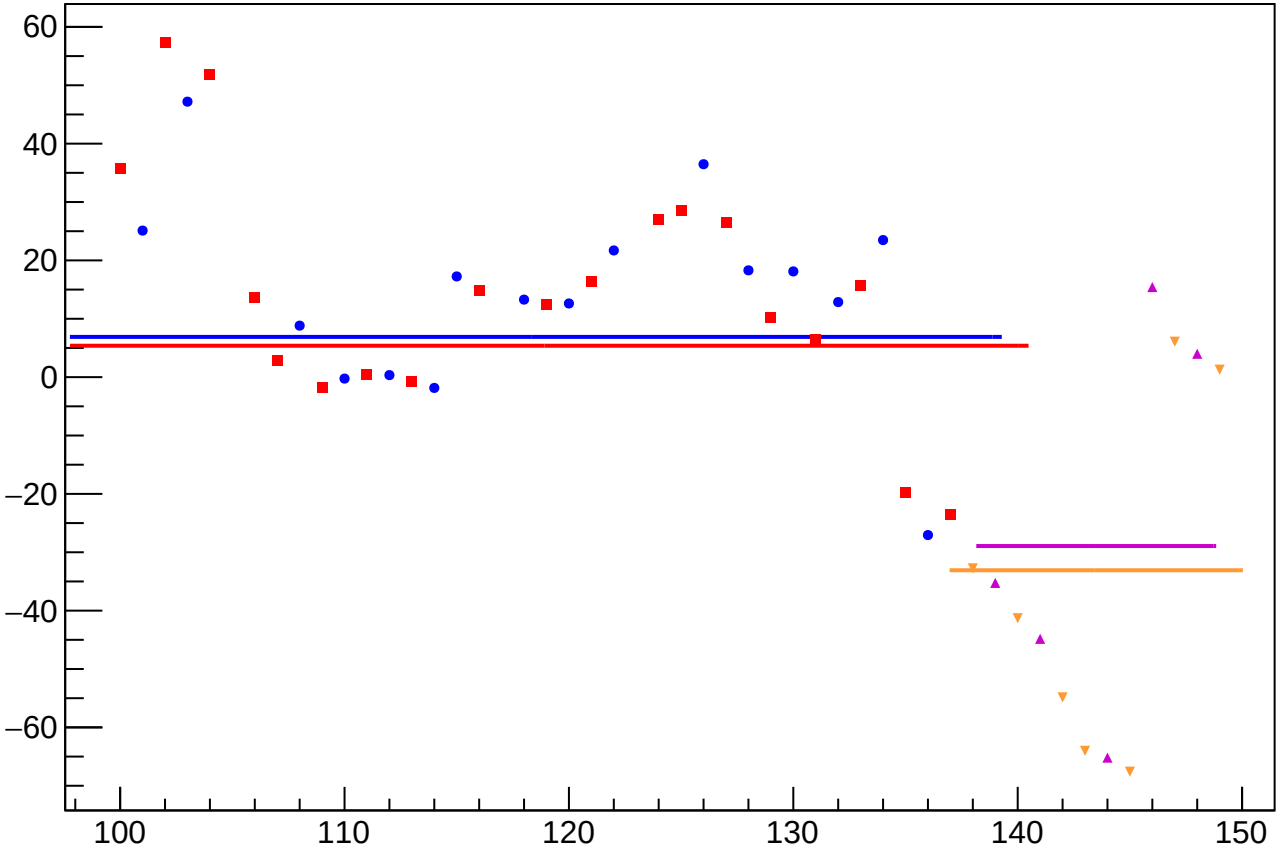
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.193+/-0.050 χ^2/NDF:8070.5/20

Out: -0.068+/-0.047 χ^2/NDF:6958.2/25

All: -0.127+/-0.034 χ^2/NDF: 15032.1/46

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -33.083+/-0.105 χ^2/NDF:57536.2/6

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: -31.209+/-0.078 χ^2/NDF: 112664.8/11

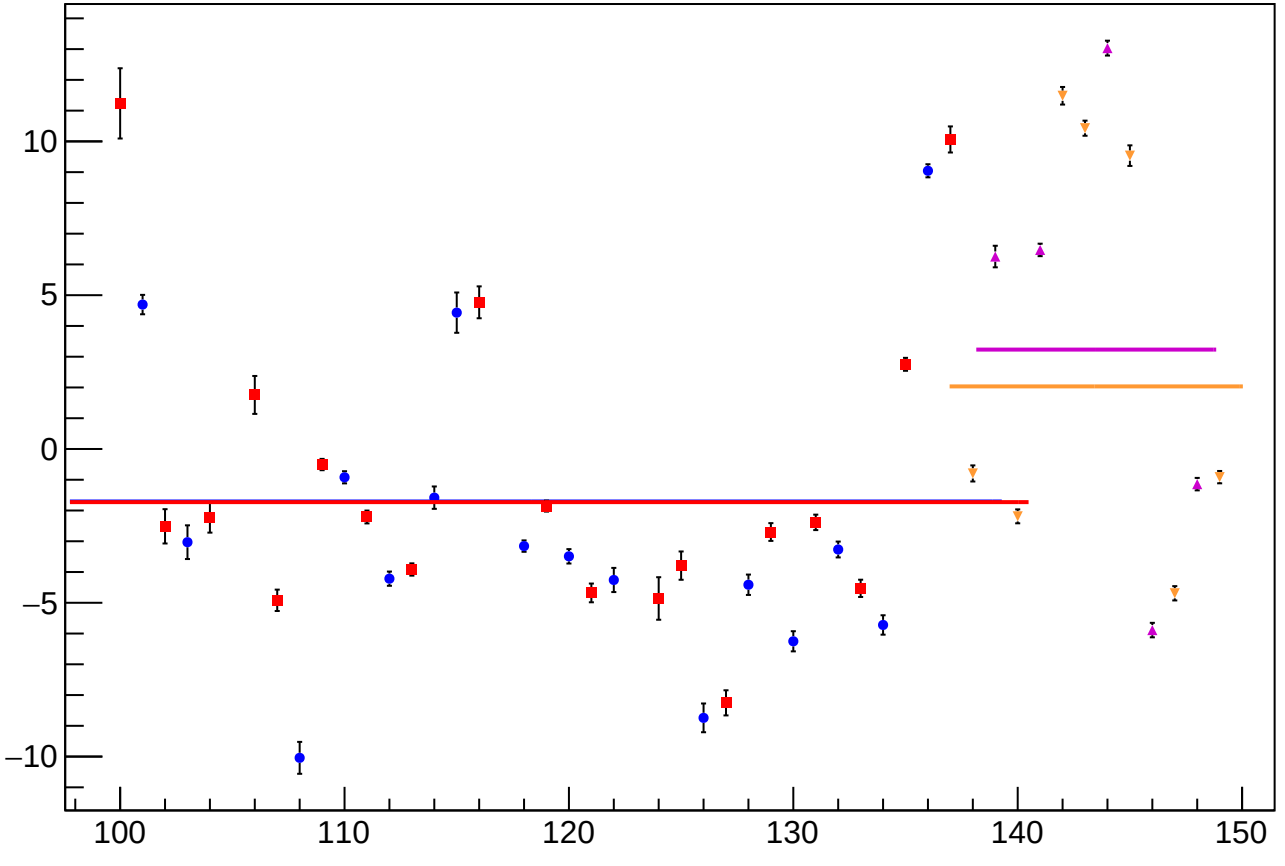
Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -2.147+/-0.058 χ^2/NDF:193857.9/20

Out: -4.468+/-0.053 χ^2/NDF:229321.1/25

All: -3.412+/-0.039 χ^2/NDF: 424044.8/46

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 2.034+/-0.093 χ^2/NDF:4277.2/6

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 3.231+/-0.104 χ^2/NDF:3932.6/4

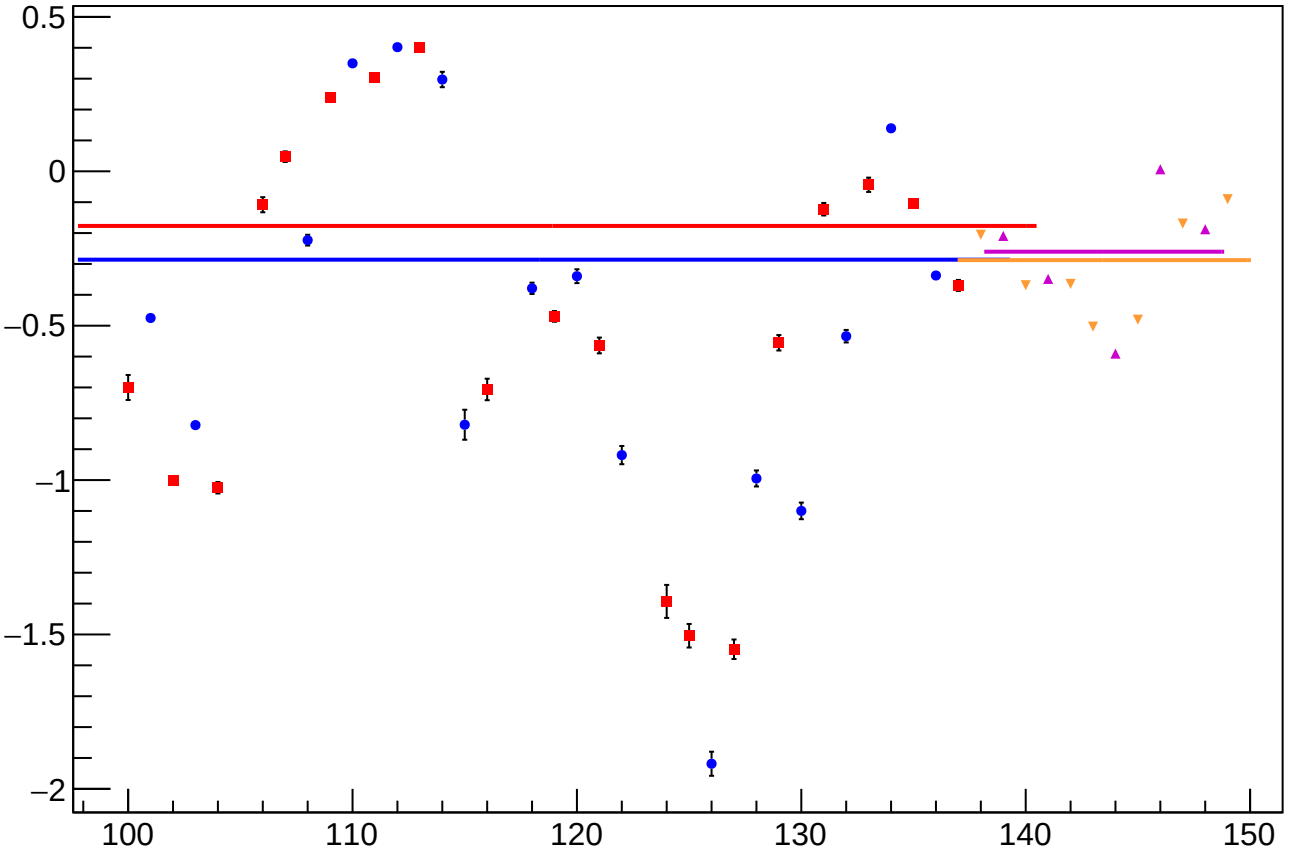
Left: 2.566+/-0.070 χ^2/NDF: 8283.1/11

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.127+/-0.059 χ^2/NDF:9746.6/20

Out: -0.449+/-0.054 χ^2/NDF:7662.3/25

All: -0.302+/-0.040 χ^2/NDF: 17425.0/46



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.288+/-0.004 χ^2/NDF:1114.2/6

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.260+/-0.005 χ^2/NDF:1208.1/4

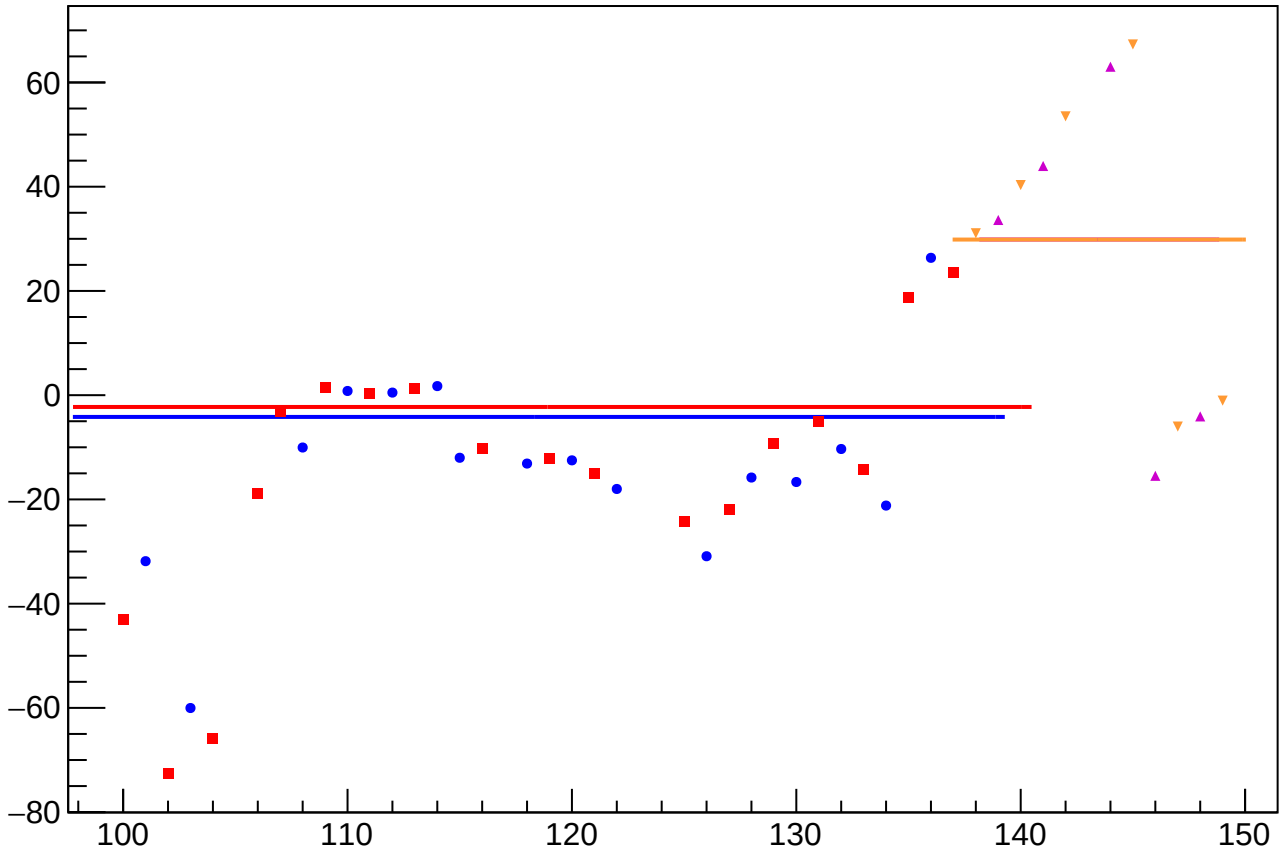
Left: -0.275+/-0.003 χ^2/NDF: 2341.0/11

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.274+/-0.003 χ^2/NDF:12586.2/20

Out: -0.227+/-0.003 χ^2/NDF:16239.3/25

All: -0.249+/-0.002 χ^2/NDF: 28945.9/46



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 29.858+/-0.109 χ^2/NDF:43417.3/5

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 29.867+/-0.112 χ^2/NDF:52027.9/4

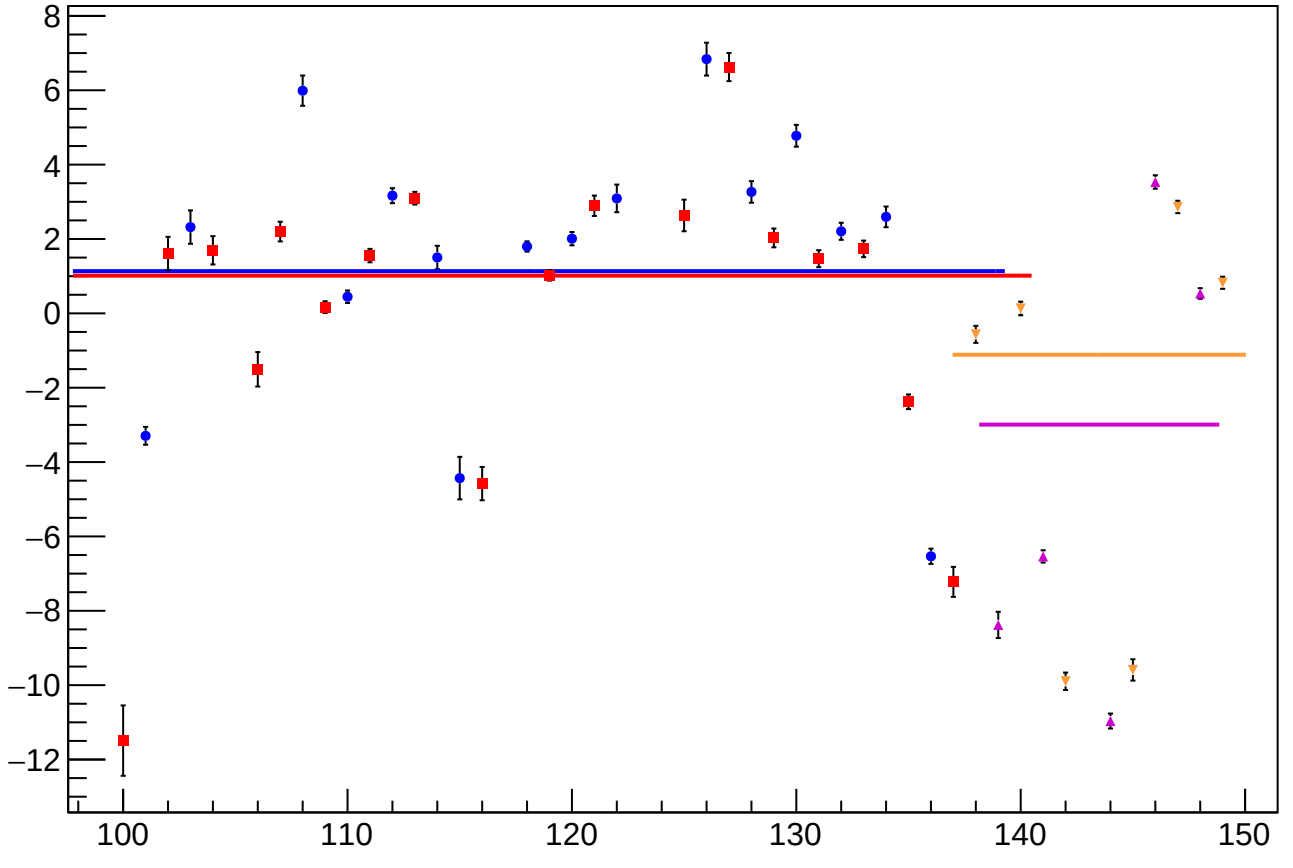
Left: 29.862+/-0.078 χ^2/NDF: 95445.2/10

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 2.370+/-0.049 χ^2/NDF:202549.4/20

Out: 2.635+/-0.042 χ^2/NDF:197233.5/23

All: 2.521+/-0.032 χ^2/NDF: 399799.5/44



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.114+/-0.081 χ^2/NDF:3033.0/5

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: -2.040+/-0.058 χ^2/NDF: 7466.3/10

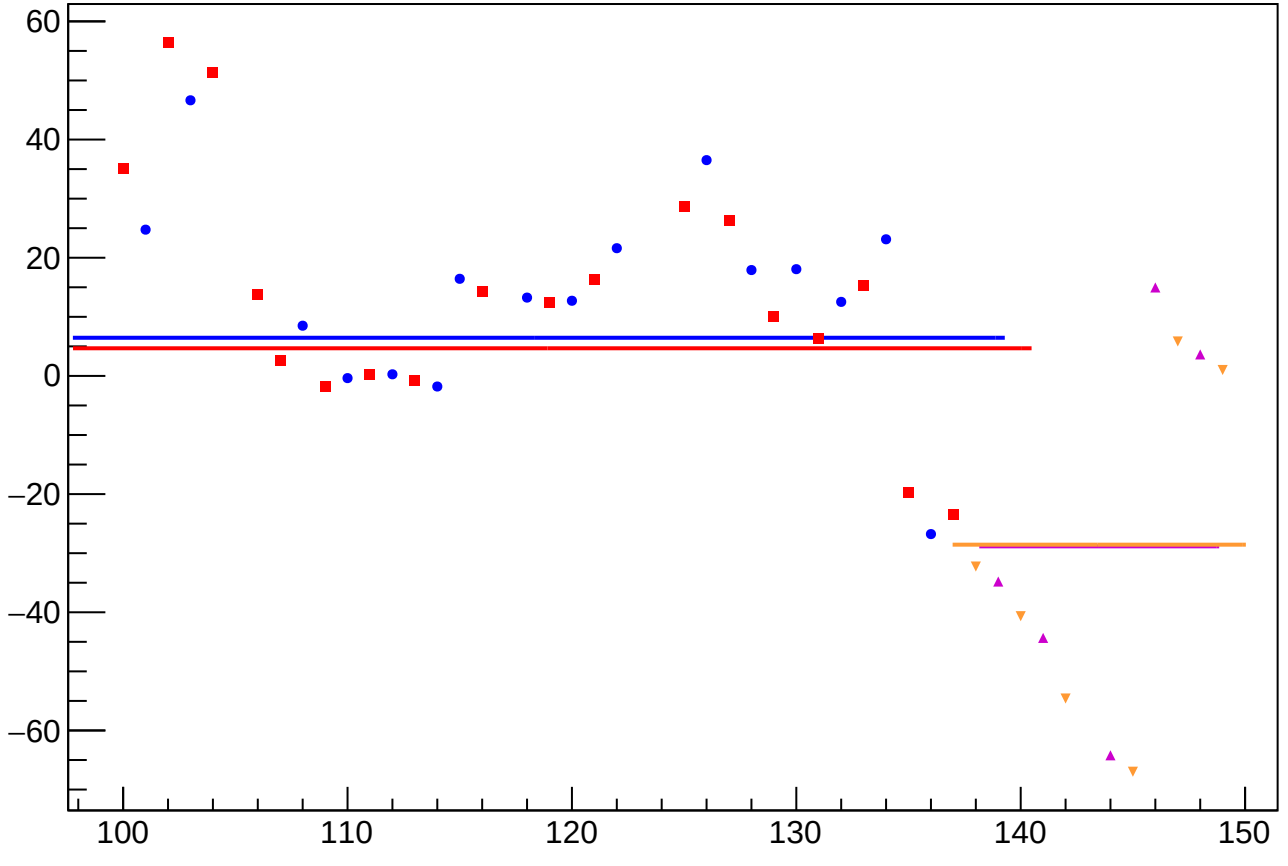
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.308+/-0.049 χ^2/NDF:8408.1/20

Out: 0.305+/-0.047 χ^2/NDF:5086.9/23

All: 0.010+/-0.034 χ^2/NDF: 13578.0/44

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -28.558+/-0.109 χ^2/NDF:46215.7/5

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: -28.695+/-0.078 χ^2/NDF: 101416.9/10

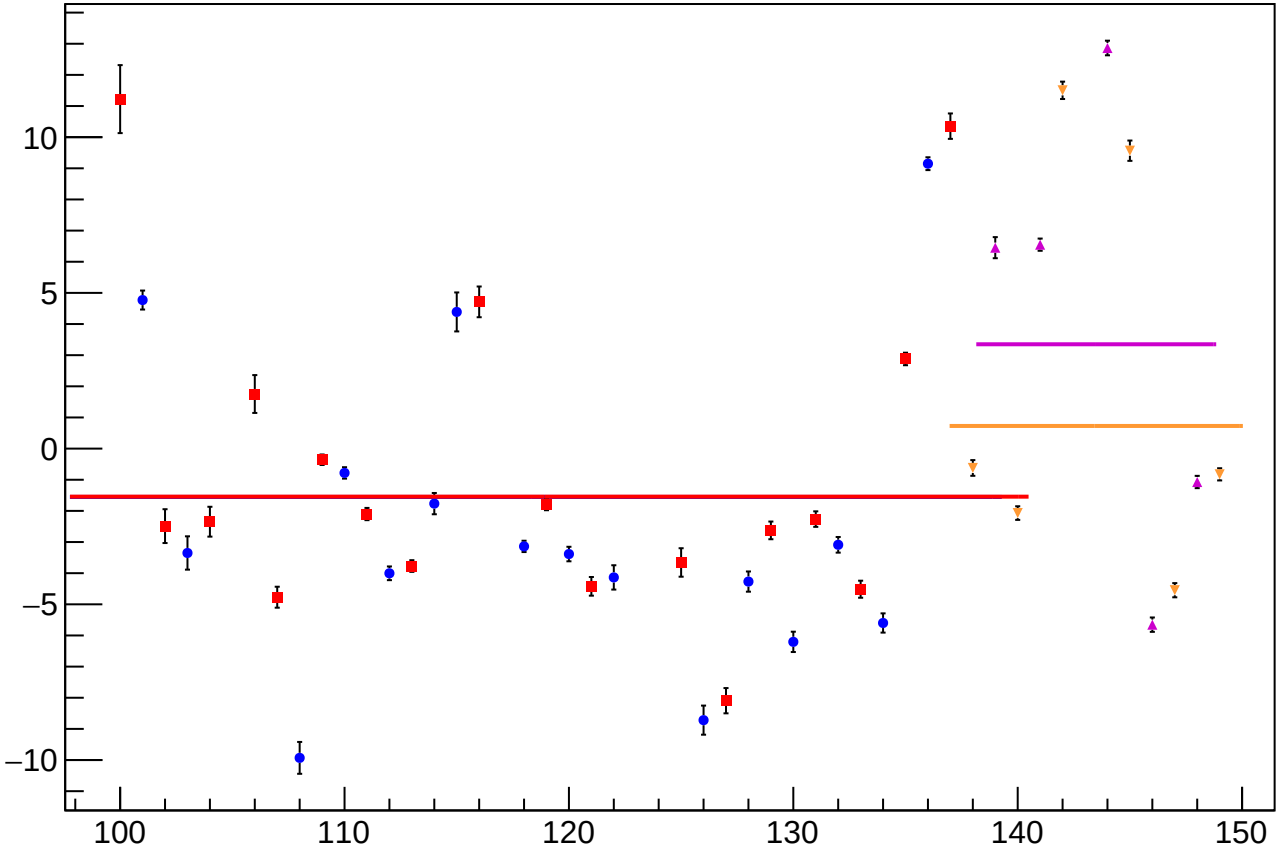
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -2.367+/-0.056 χ^2/NDF:199815.7/20

Out: -2.871+/-0.052 χ^2/NDF:192475.1/23

All: -2.639+/-0.038 χ^2/NDF: 392334.0/44

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: 0.727+/-0.098 χ^2/NDF:3015.4/5

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: 1.993+/-0.070 χ^2/NDF: 7369.5/10

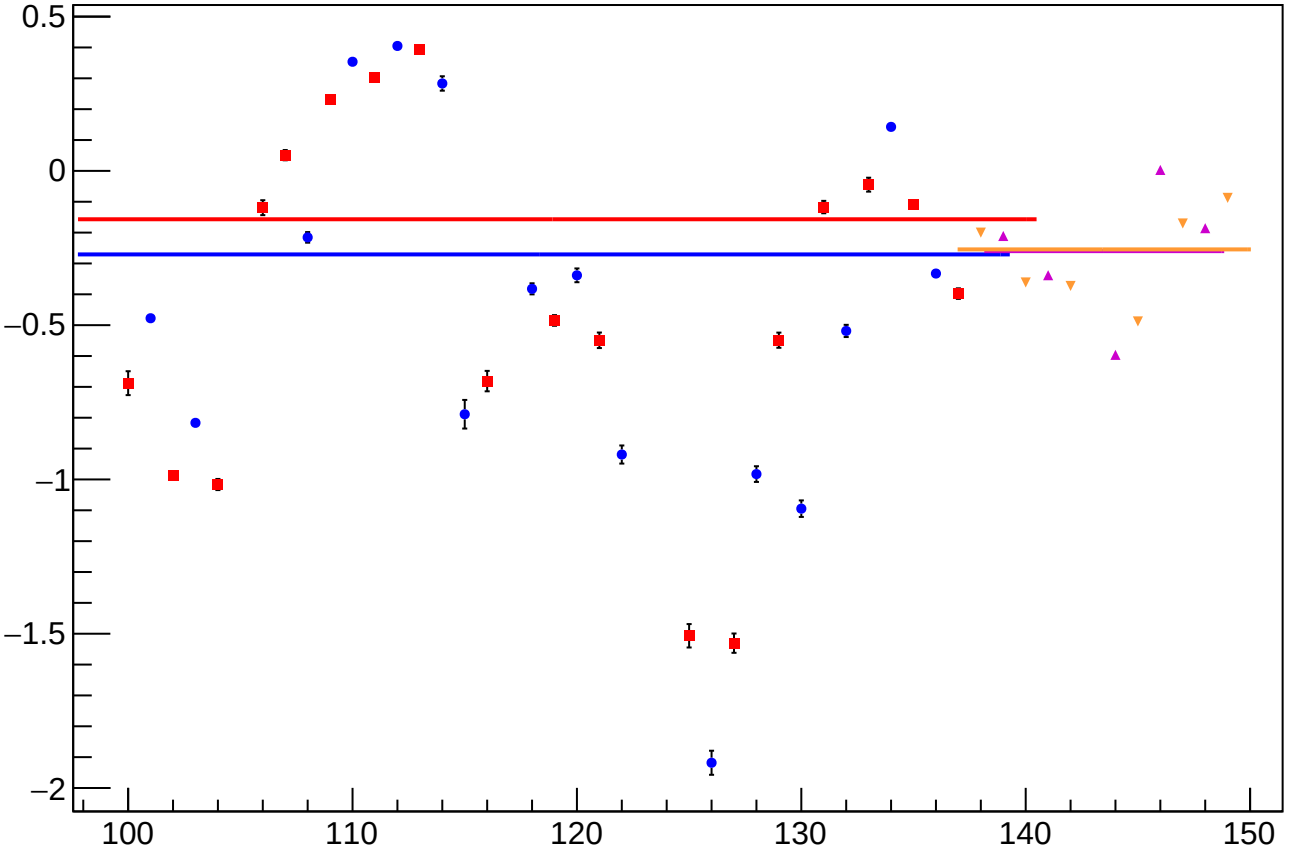
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: 0.008+/-0.057 χ^2/NDF:10143.5/20

Out: -0.856+/-0.054 χ^2/NDF:5862.6/23

All: -0.450+/-0.039 χ^2/NDF: 16126.8/44

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: -0.254+/-0.004 χ^2/NDF:823.5/5

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.260+/-0.004 χ^2/NDF:1267.1/4

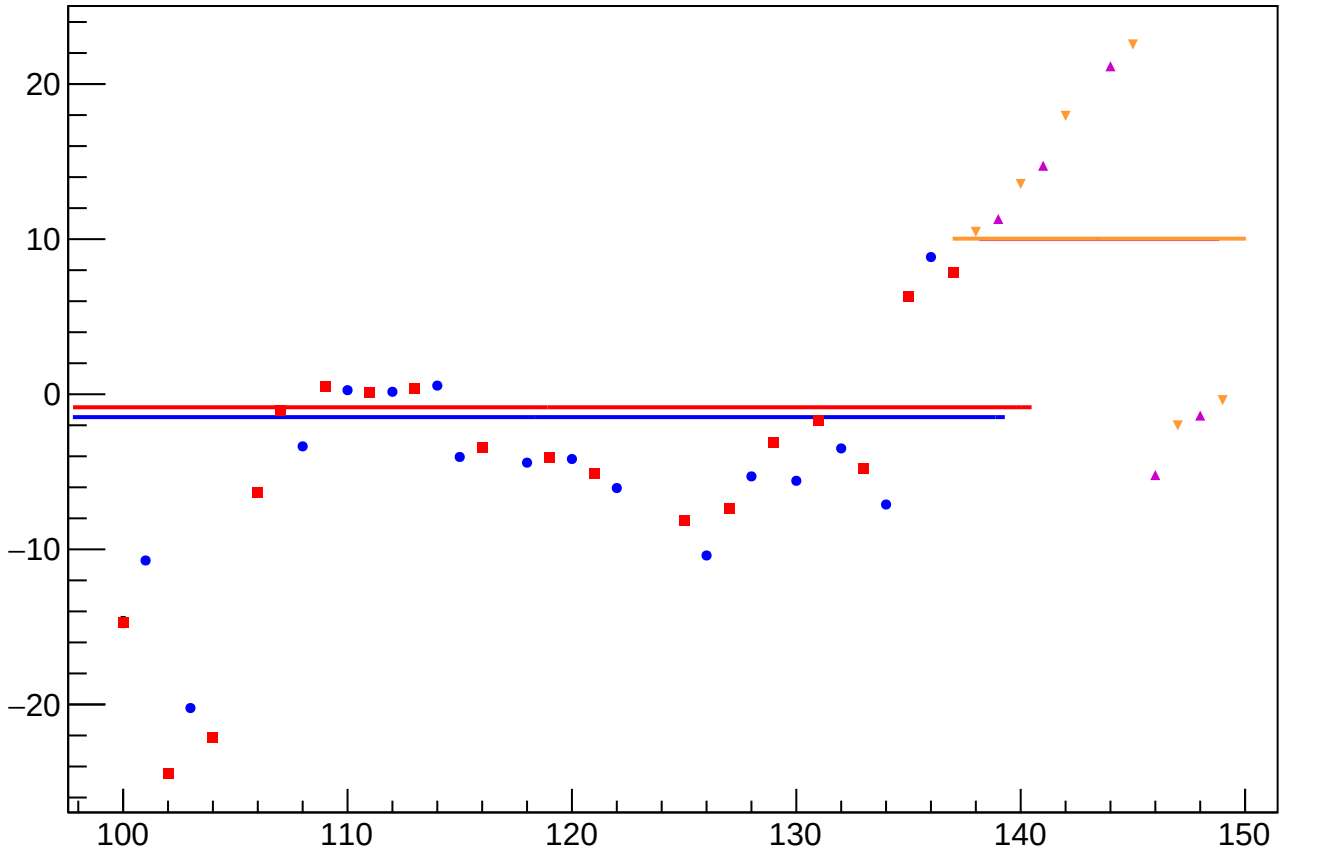
Left: -0.257+/-0.003 χ^2/NDF: 2091.4/10

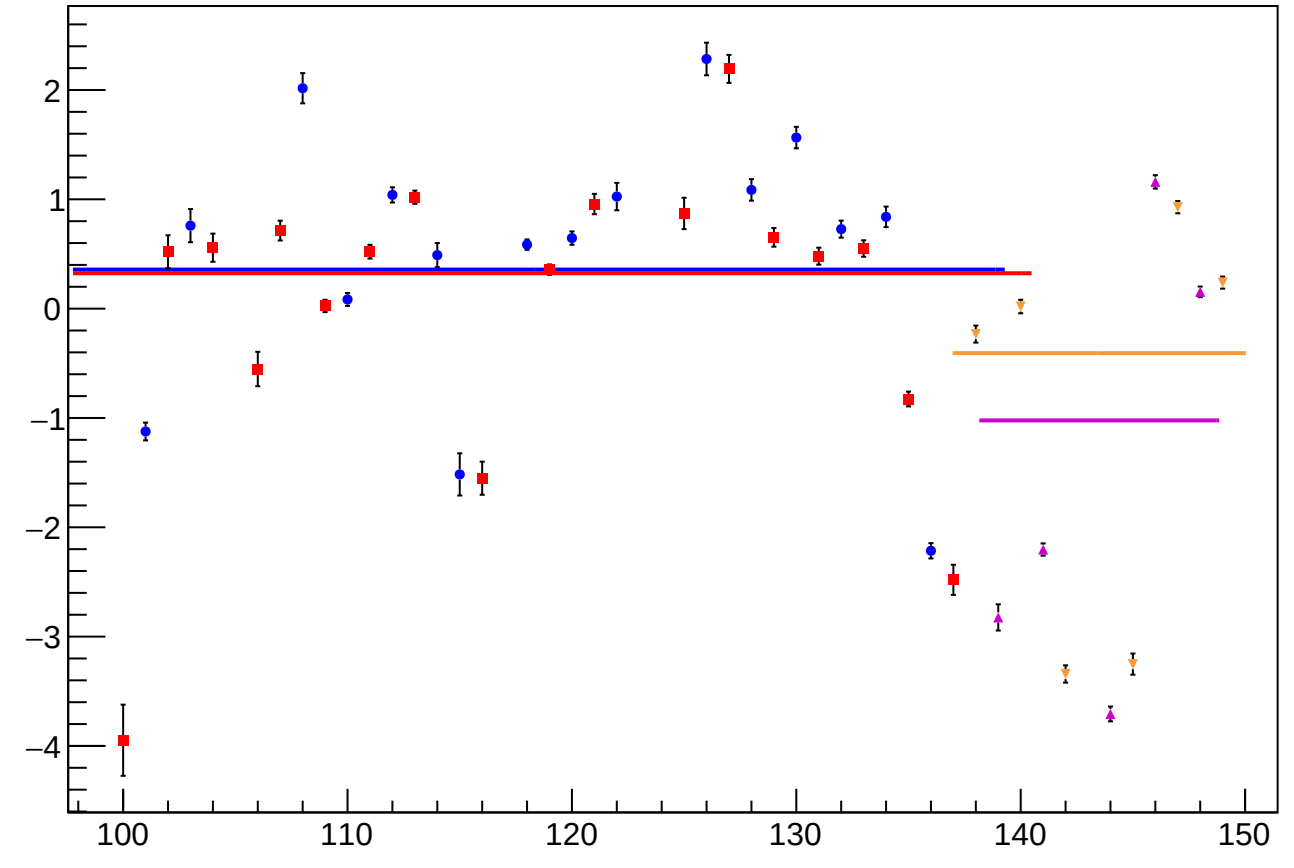
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.266+/-0.003 χ^2/NDF:13366.2/20

Out: -0.197+/-0.003 χ^2/NDF:16118.6/23

All: -0.230+/-0.002 χ^2/NDF: 29750.1/44


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 10.033+/-0.037 χ²/NDF:42857.2/5
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 10.008+/-0.038 χ²/NDF:51306.8/4
Left: 10.020+/-0.026 χ²/NDF: 94164.3/10
Right: -1.107+/-0.012 χ²/NDF: 152399.4/33
In: 0.787+/-0.017 χ²/NDF:198972.1/20
Out: 0.893+/-0.015 χ²/NDF:194096.4/23
All: 0.847+/-0.011 χ²/NDF: 393090.7/44



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.407+/-0.027 χ^2/NDF:2982.1/5

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: -0.711+/-0.020 χ^2/NDF: 7322.8/10

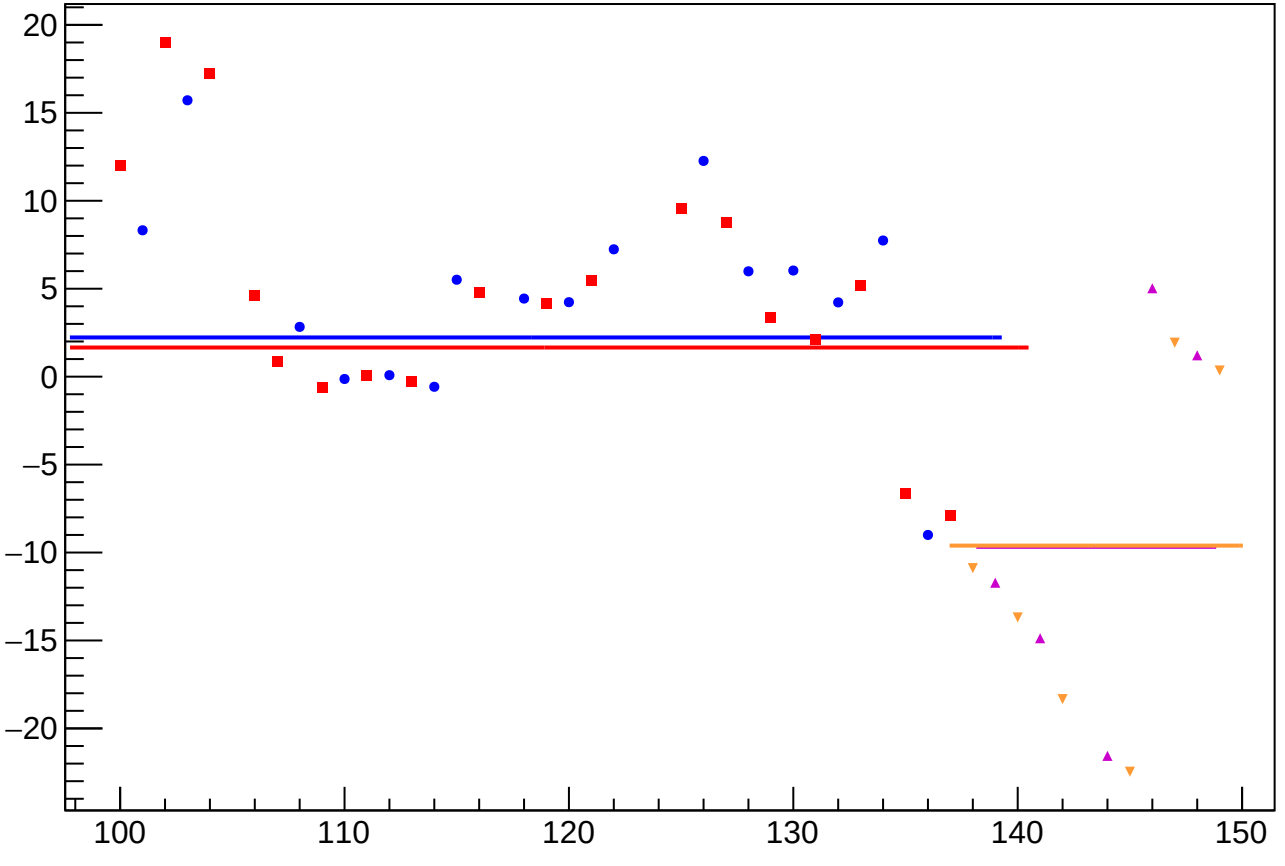
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.132+/-0.017 χ^2/NDF:8227.7/20

Out: 0.075+/-0.016 χ^2/NDF:5009.6/23

All: -0.025+/-0.011 χ^2/NDF: 13318.1/44

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: -9.606+/-0.037 χ^2/NDF:45630.1/5

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: -9.640+/-0.027 χ^2/NDF: 100069.3/10

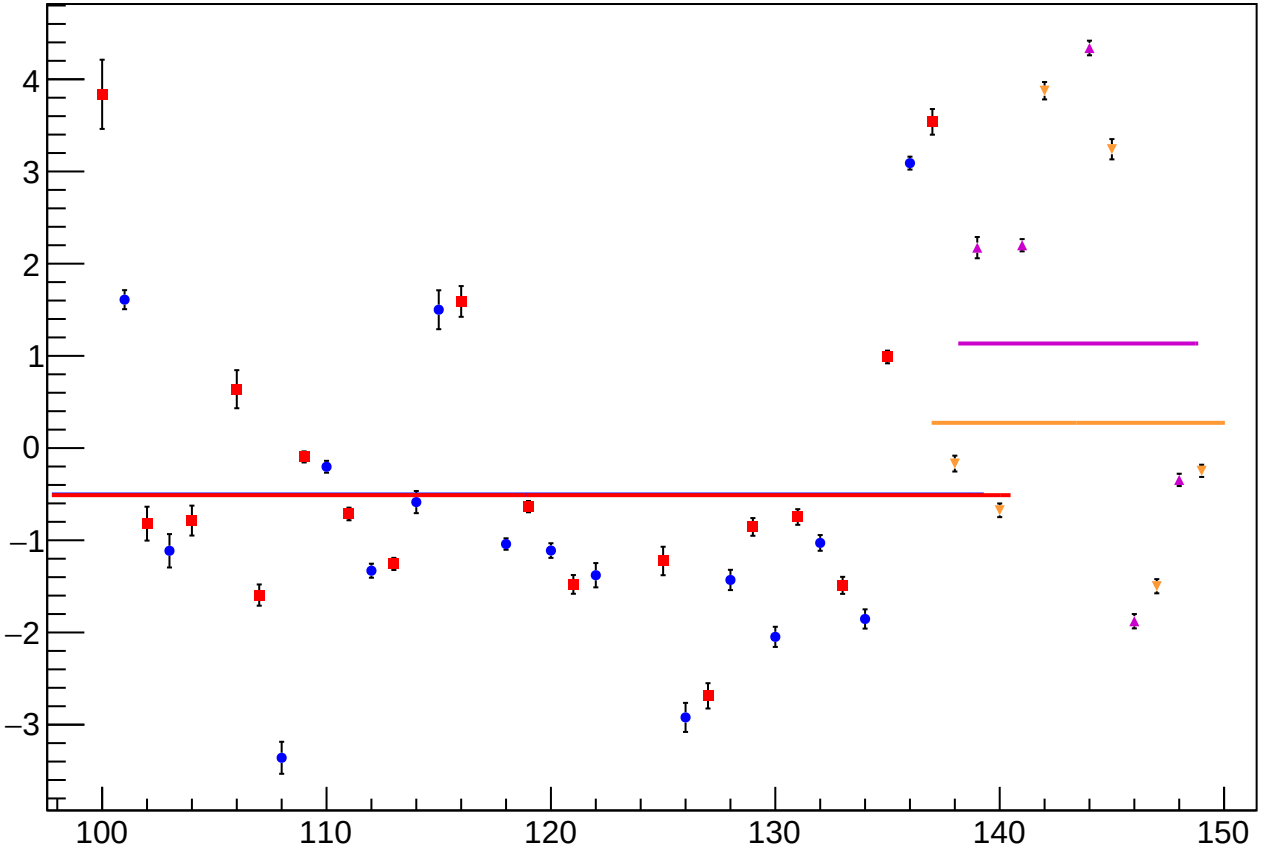
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.796+/-0.019 χ^2/NDF:196332.4/20

Out: -0.980+/-0.018 χ^2/NDF:189465.9/23

All: -0.895+/-0.013 χ^2/NDF: 385847.5/44

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: 0.274+/-0.033 χ^2/NDF:2966.1/5

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: 0.689+/-0.024 χ^2/NDF: 7238.7/10

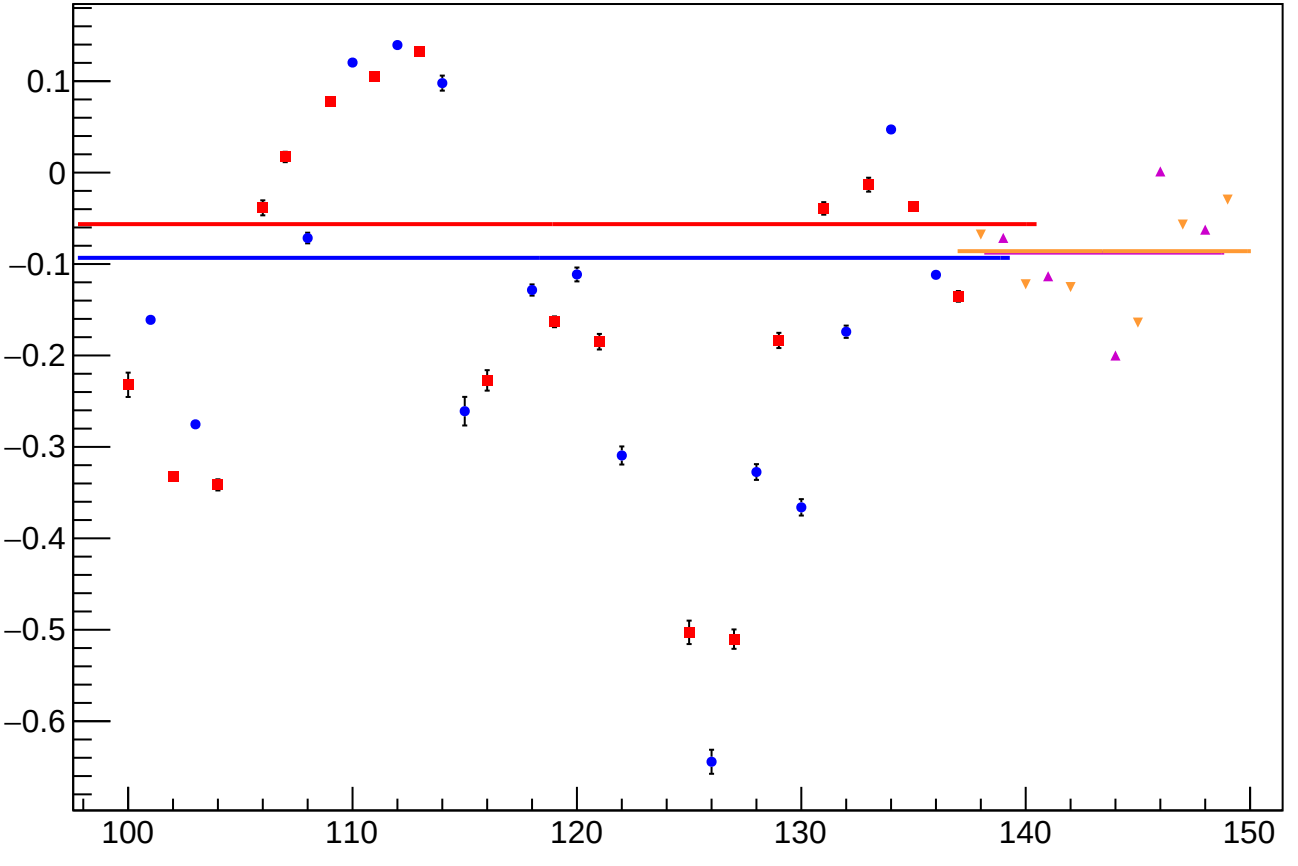
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: 0.025+/-0.020 χ^2/NDF:9935.8/20

Out: -0.267+/-0.018 χ^2/NDF:5775.3/23

All: -0.129+/-0.013 χ^2/NDF: 15829.4/44

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: -0.086+/-0.002 χ^2/NDF:814.2/5

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.088+/-0.002 χ^2/NDF:1247.1/4

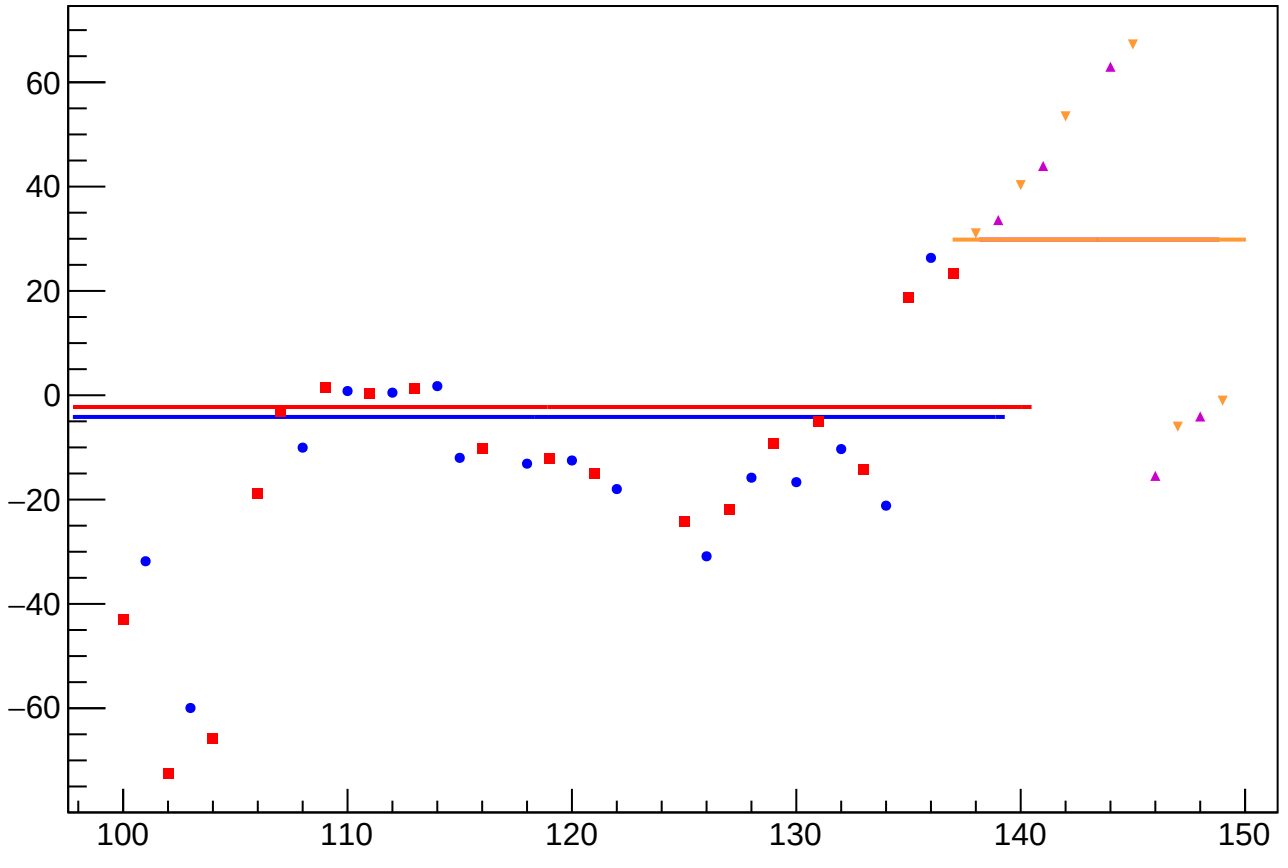
Left: -0.087+/-0.001 χ^2/NDF: 2061.8/10

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.091+/-0.001 χ^2/NDF:12997.1/20

Out: -0.069+/-0.001 χ^2/NDF:15488.8/23

All: -0.079+/-0.001 χ^2/NDF: 28715.1/44



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 29.838+/-0.108 χ^2/NDF:43407.2/5

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 29.847+/-0.112 χ^2/NDF:52034.5/4

Left: 29.843+/-0.078 χ^2/NDF: 95441.7/10

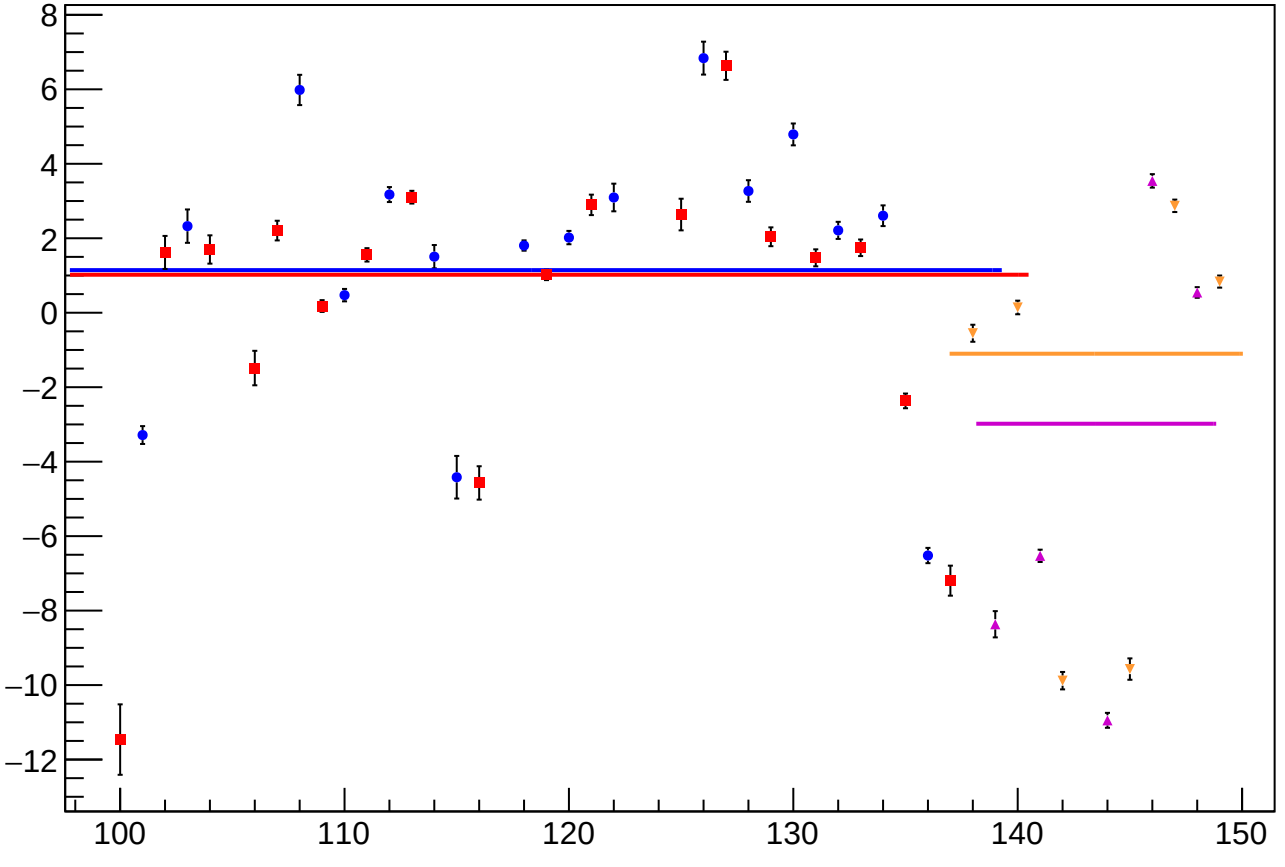
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 2.372+/-0.049 χ^2/NDF:202566.4/20

Out: 2.633+/-0.042 χ^2/NDF:197232.8/23

All: 2.521+/-0.032 χ^2/NDF: 399815.5/44

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: -1.101+/-0.081 χ^2/NDF:3034.4/5

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: -2.028+/-0.058 χ^2/NDF: 7471.0/10

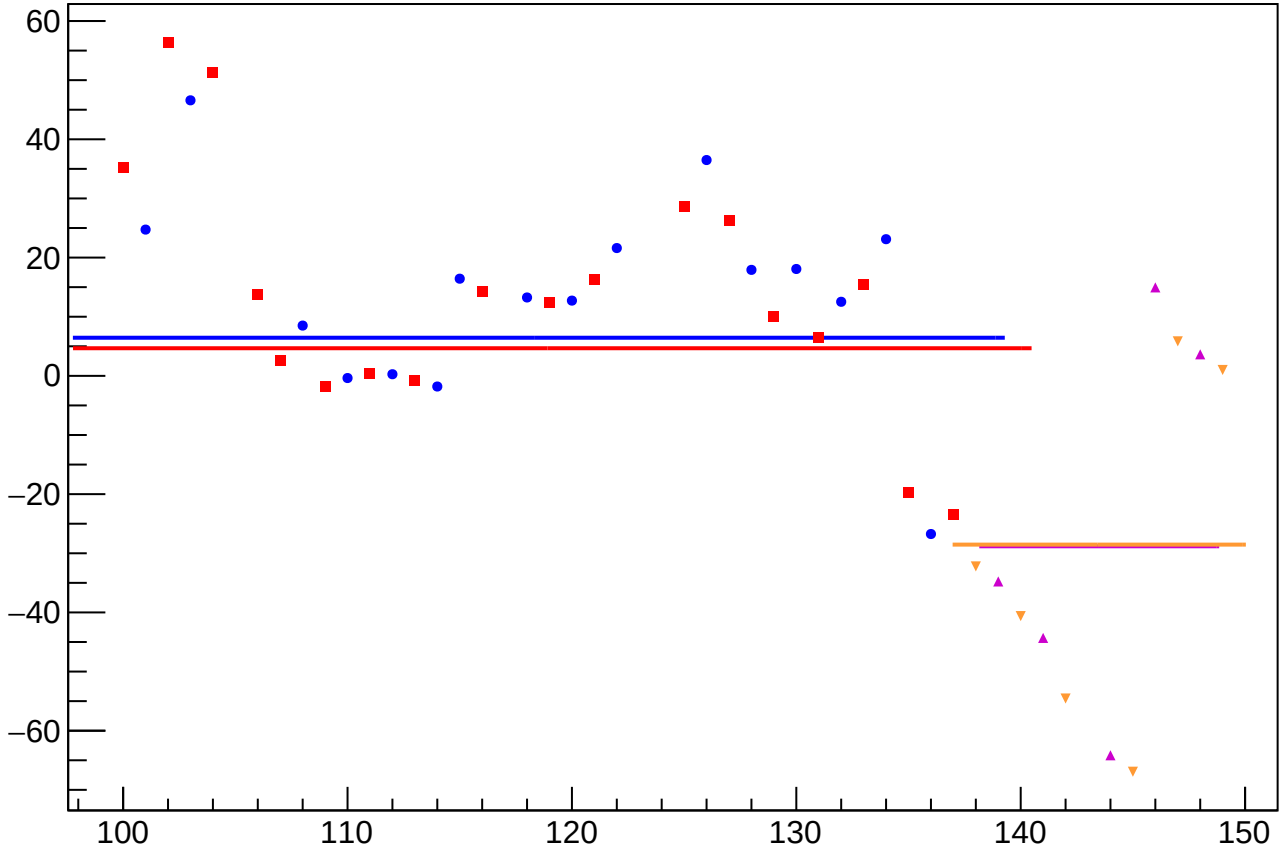
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.298+/-0.048 χ^2/NDF:8411.3/20

Out: 0.315+/-0.047 χ^2/NDF:5084.5/23

All: 0.020+/-0.034 χ^2/NDF: 13578.7/44

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: -28.534+/-0.109 χ^2/NDF:46203.0/5

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -28.817+/-0.112 χ^2/NDF:55203.2/4

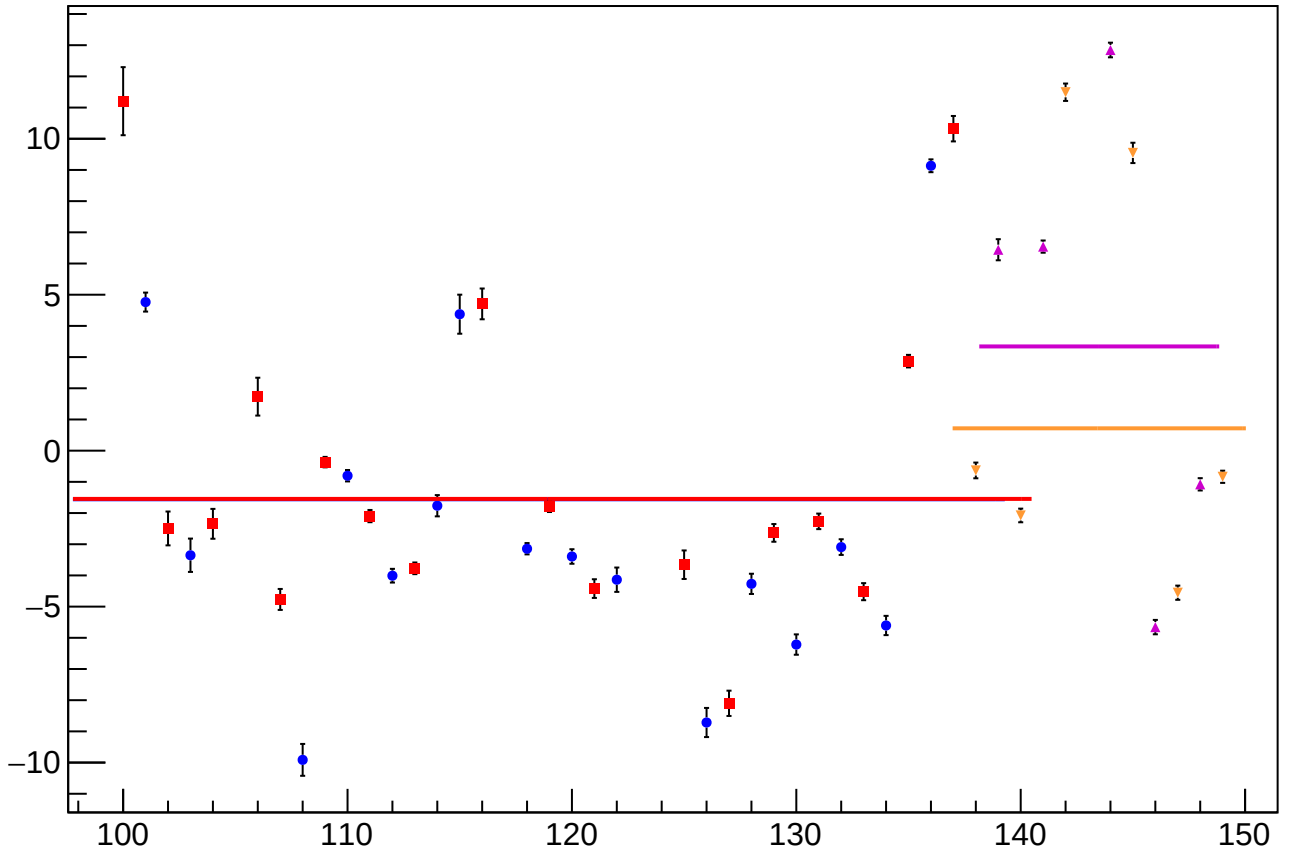
Left: -28.671+/-0.078 χ^2/NDF: 101409.5/10

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -2.364+/-0.056 χ^2/NDF:199825.9/20

Out: -2.863+/-0.052 χ^2/NDF:192467.6/23

All: -2.633+/-0.038 χ^2/NDF: 392336.1/44



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 0.716+/-0.098 χ^2/NDF:3016.5/5

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 3.342+/-0.101 χ^2/NDF:4009.4/4

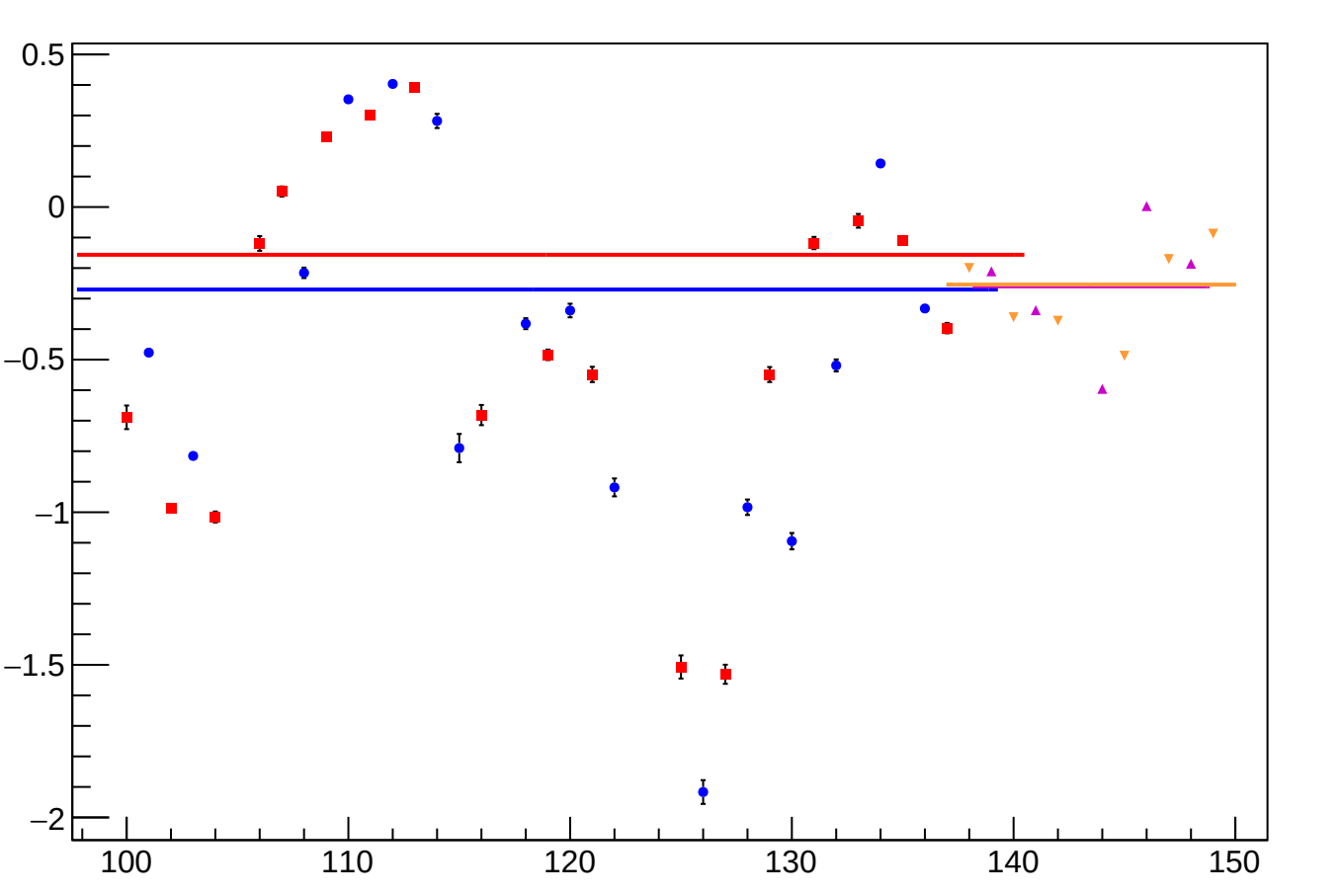
Left: 1.984+/-0.070 χ^2/NDF: 7372.9/10

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: 0.000+/-0.057 χ^2/NDF:10145.7/20

Out: -0.862+/-0.054 χ^2/NDF:5859.0/23

All: -0.457+/-0.039 χ^2/NDF: 16125.2/44



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.254+/-0.004 χ^2/NDF:823.0/5

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.260+/-0.004 χ^2/NDF:1267.4/4

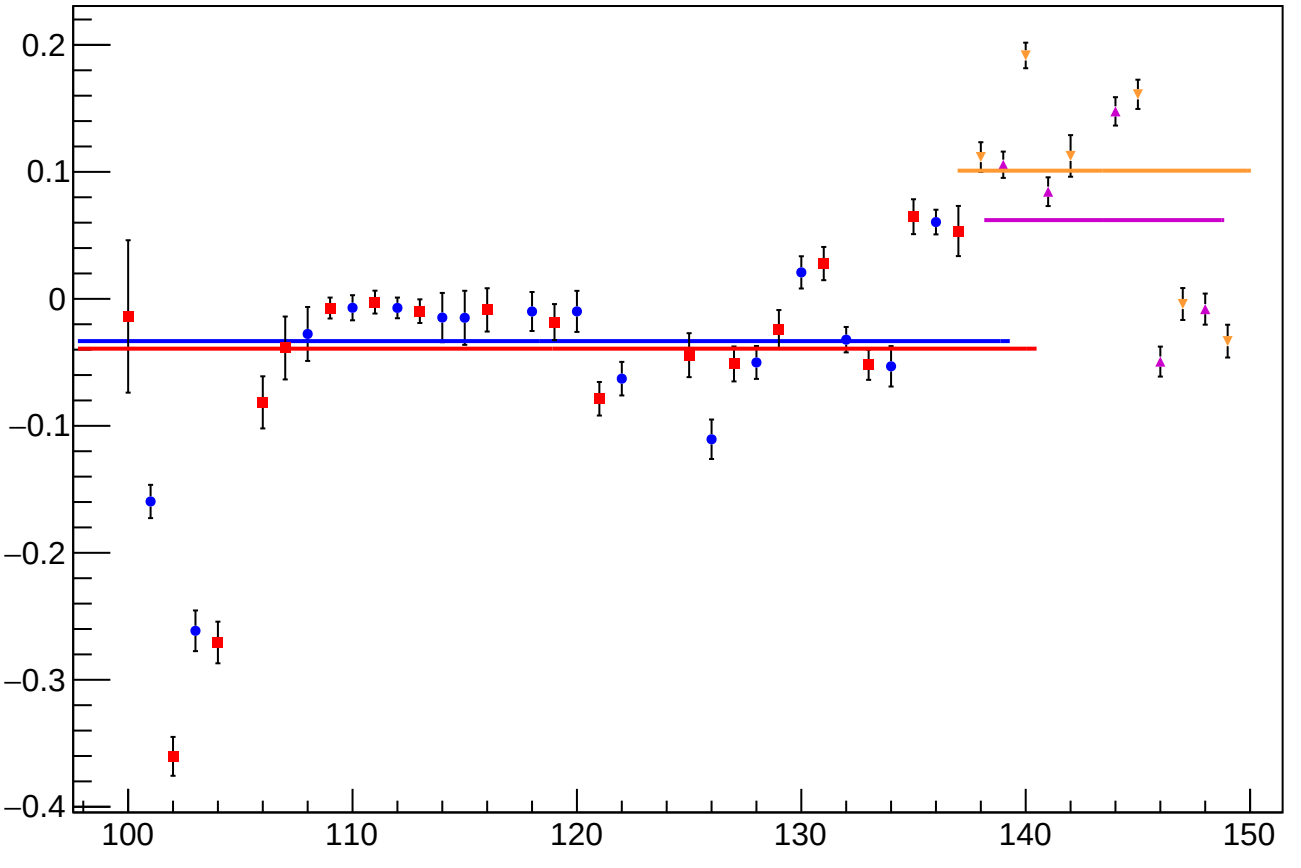
Left: -0.257+/-0.003 χ^2/NDF: 2091.2/10

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.265+/-0.003 χ^2/NDF:13367.2/20

Out: -0.197+/-0.003 χ^2/NDF:16130.0/23

All: -0.230+/-0.002 χ^2/NDF: 29763.5/44



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.101+/-0.005 χ^2/NDF:287.7/5

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: 0.082+/-0.004 χ^2/NDF: 520.1/10

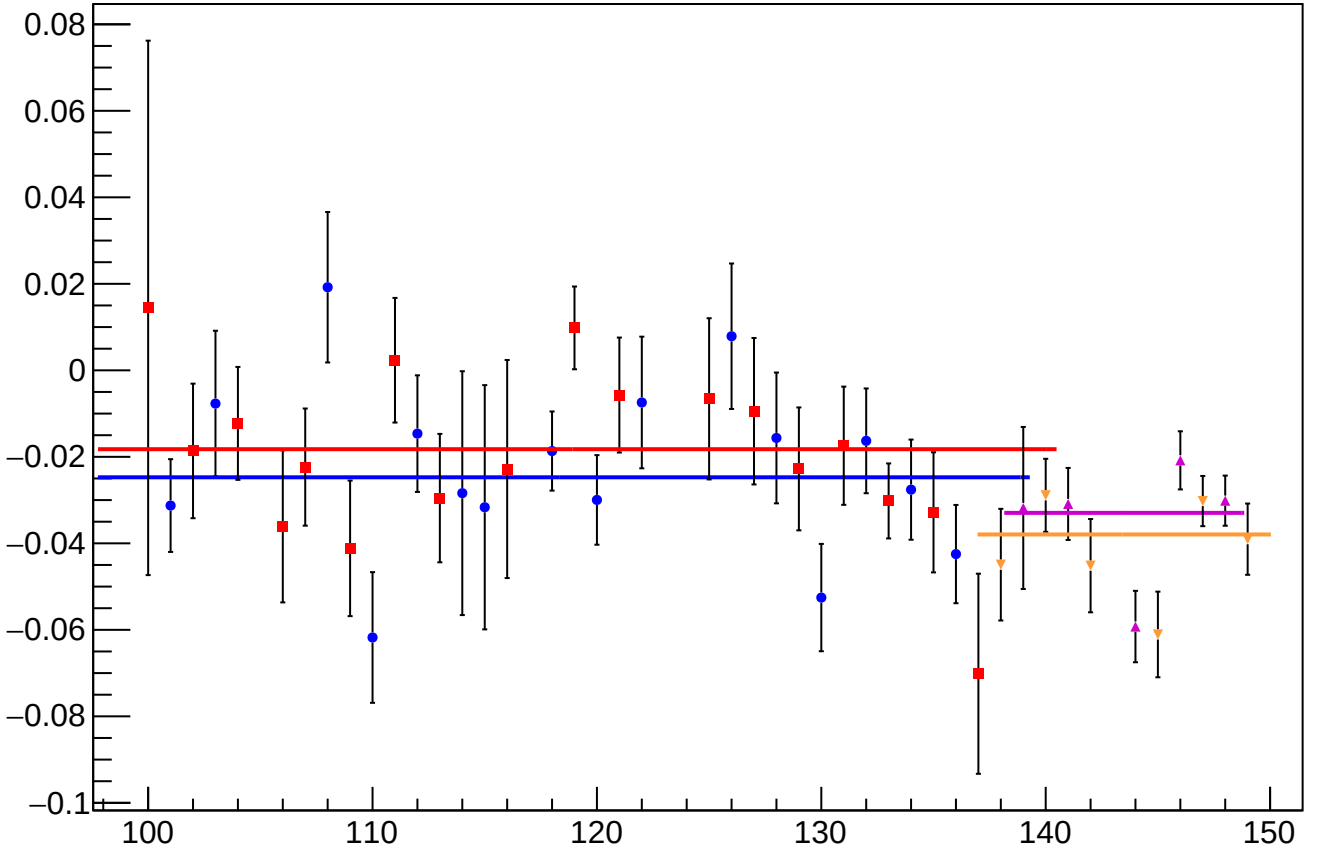
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.006+/-0.003 χ^2/NDF:917.9/20

Out: 0.002+/-0.003 χ^2/NDF:1662.3/23

All: -0.002+/-0.002 χ^2/NDF: 2584.2/44

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.038+/-0.003 χ^2/NDF:9.1/5

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+/-0.002 χ^2/NDF: 23.9/10

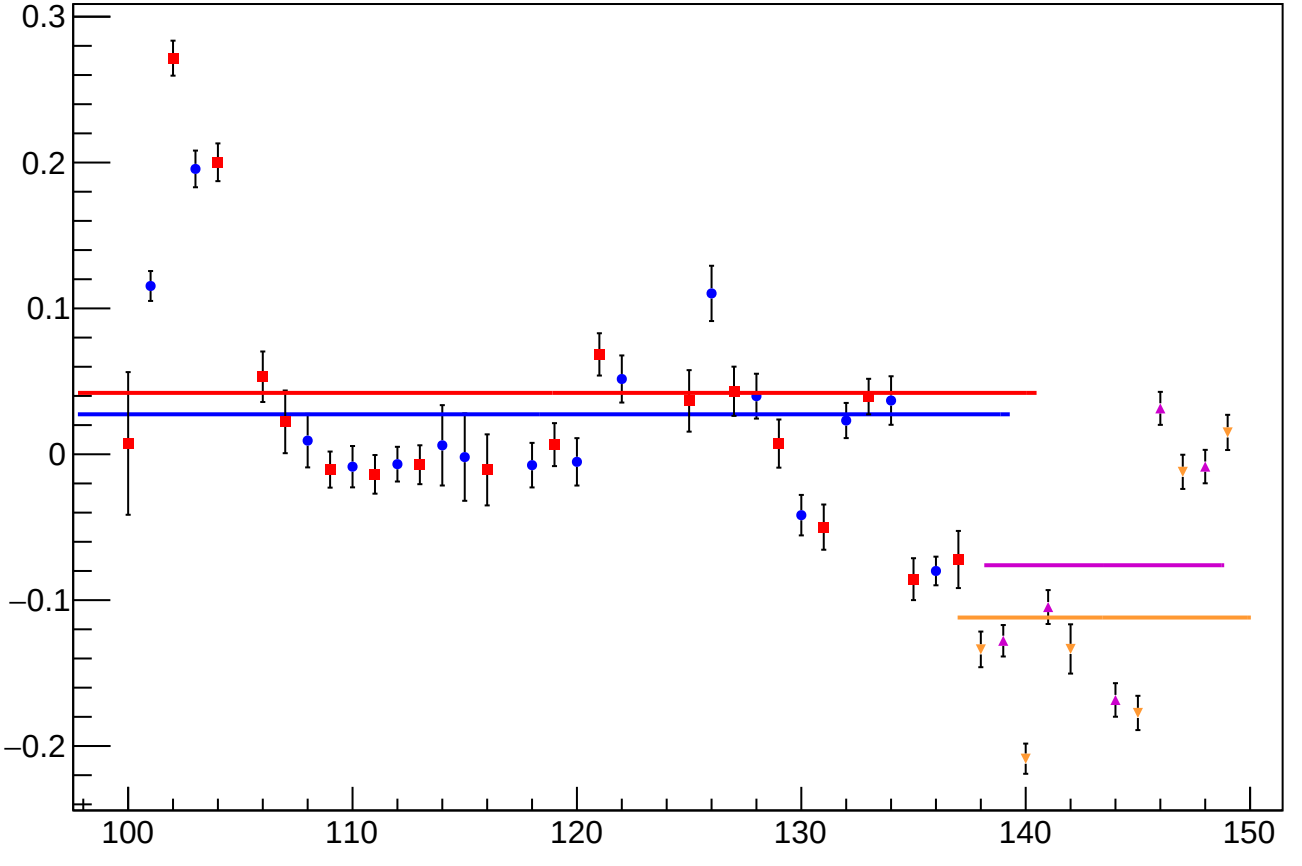
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:45.2/20

Out: -0.028+/-0.002 χ^2/NDF:50.4/23

All: -0.028+/-0.002 χ^2/NDF: 95.6/44

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.112+/-0.005 χ^2/NDF:306.4/5

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.076+/-0.005 χ^2/NDF:218.7/4

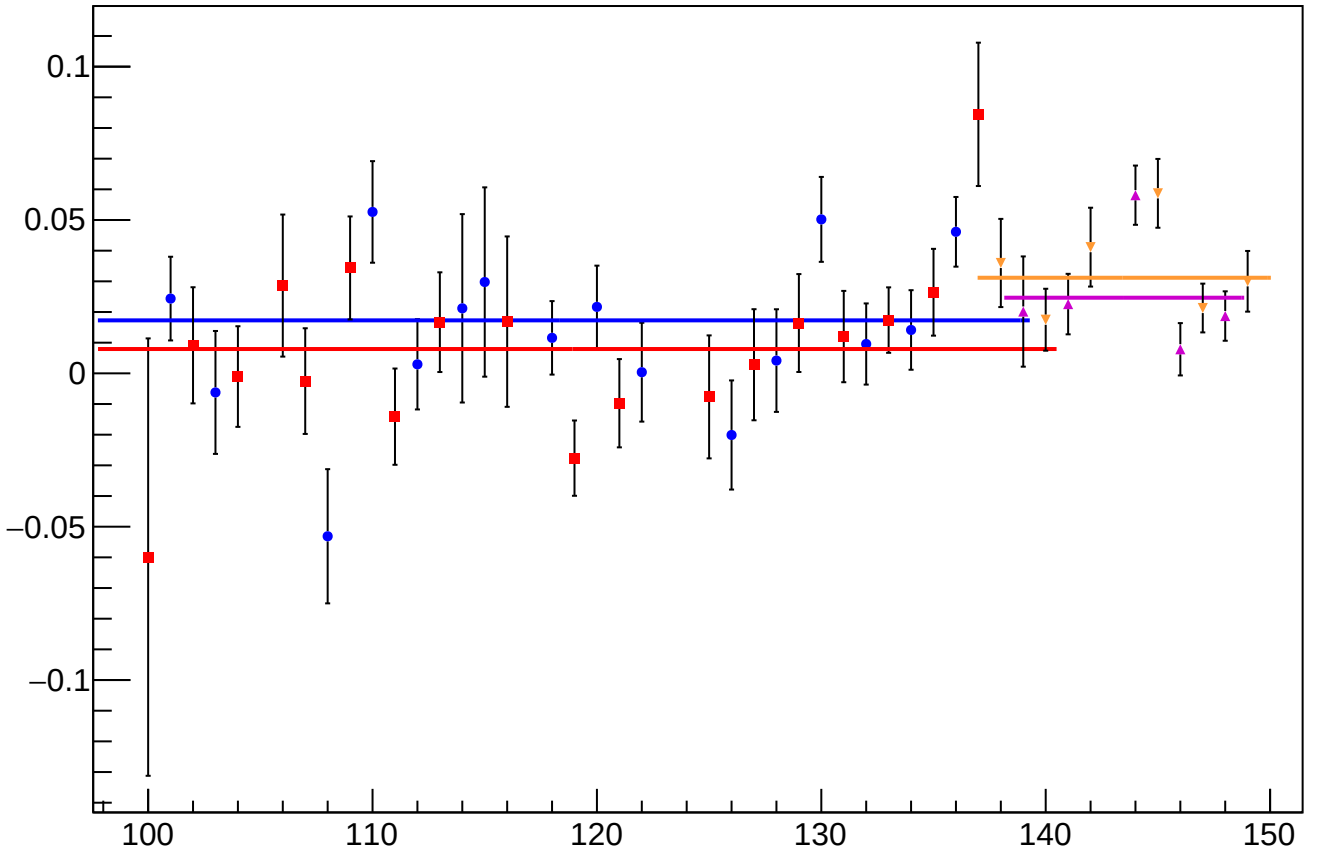
Left: -0.094+/-0.004 χ^2/NDF: 550.8/10

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.007+/-0.003 χ^2/NDF:943.4/20

Out: -0.012+/-0.003 χ^2/NDF:1669.3/23

All: -0.010+/-0.002 χ^2/NDF: 2614.2/44



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.031+/-0.004 χ^2/NDF:10.1/5

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.025+/-0.004 χ^2/NDF:16.5/4

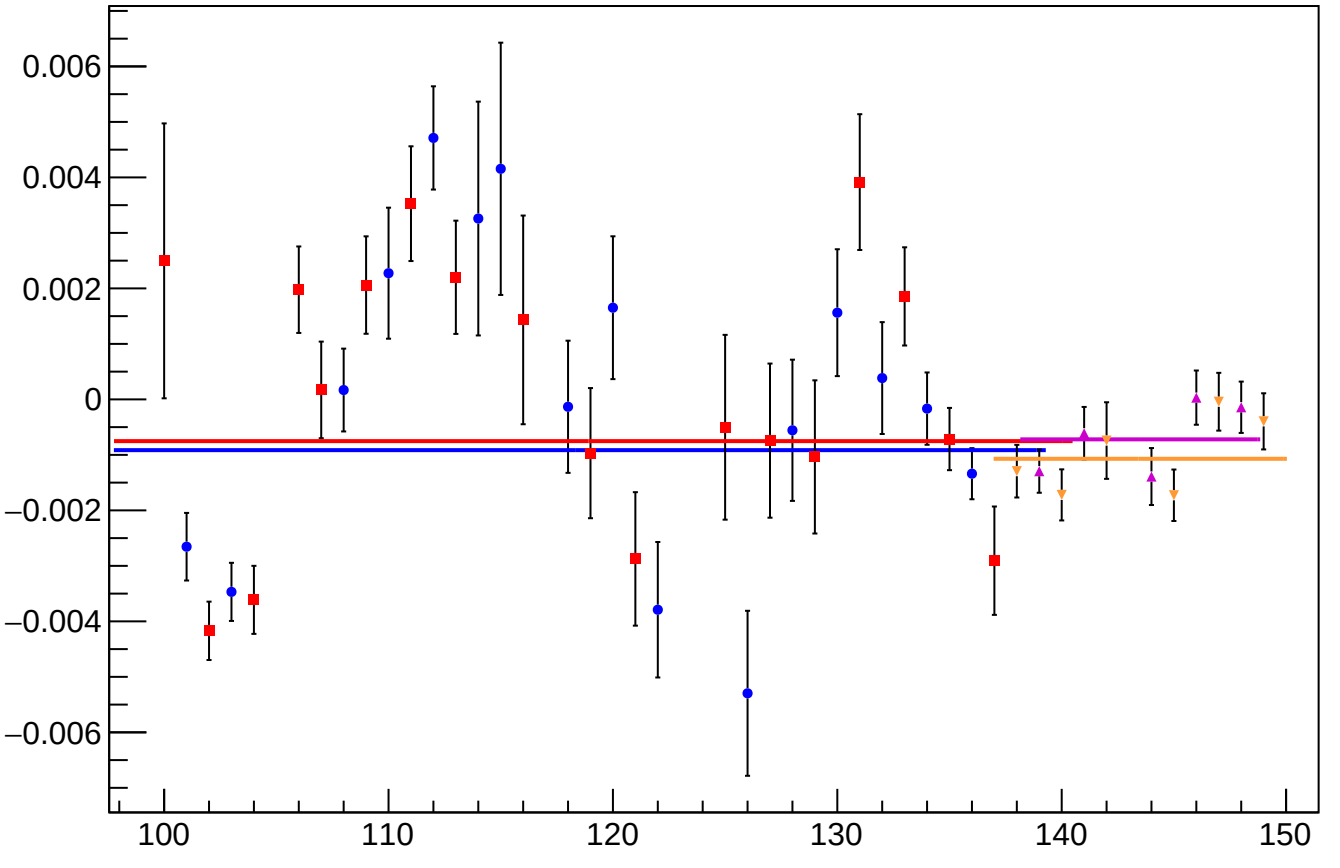
Left: 0.028+/-0.003 χ^2/NDF: 27.8/10

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.021+/-0.003 χ^2/NDF:54.8/20

Out: 0.018+/-0.003 χ^2/NDF:57.6/23

All: 0.020+/-0.002 χ^2/NDF: 112.7/44



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:10.1/5

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: 19.5/10

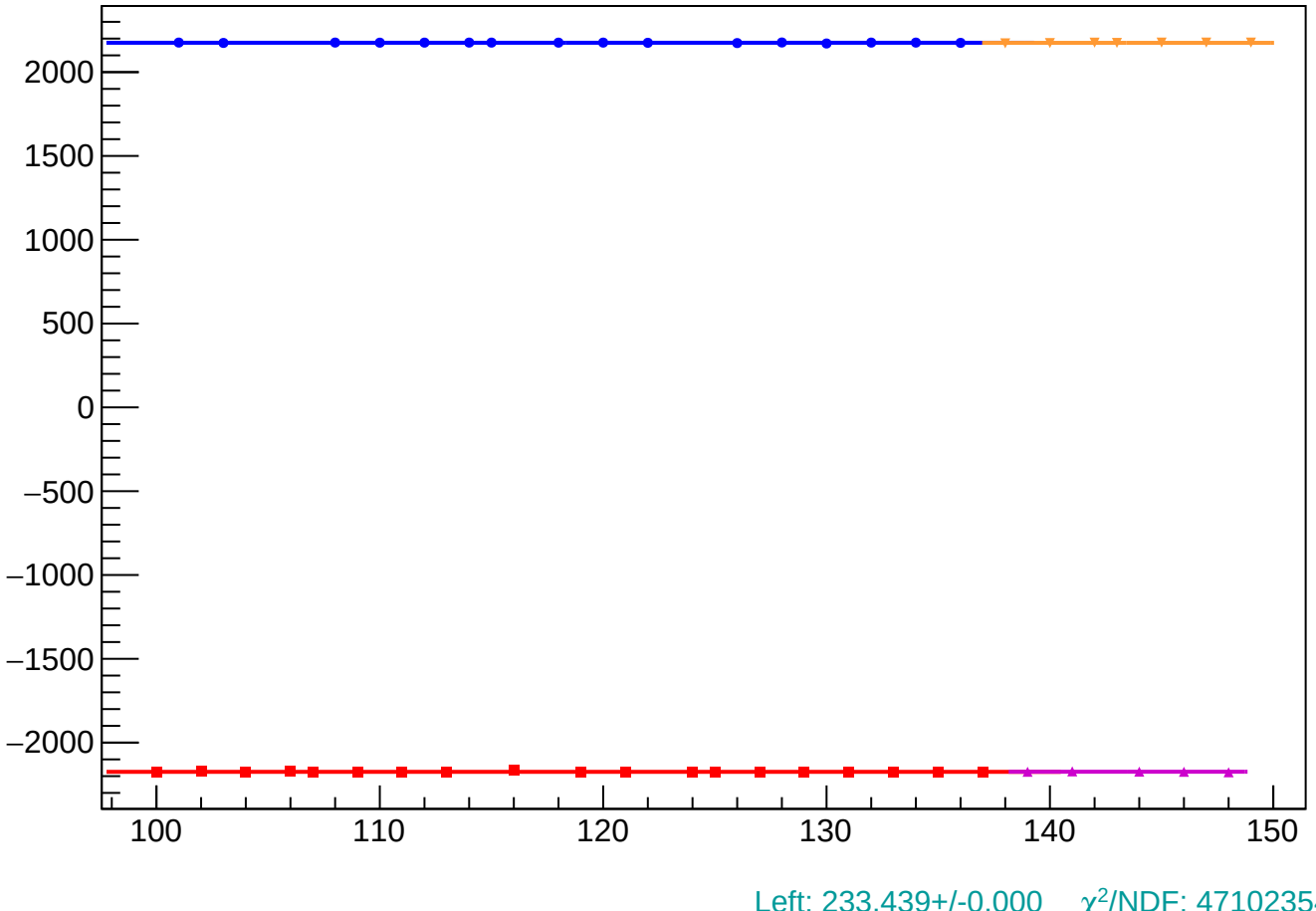
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:122.4/20

Out: -0.001+/-0.000 χ^2/NDF:158.9/23

All: -0.001+/-0.000 χ^2/NDF: 281.5/44

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.683+/-0.000 χ^2/NDF:157879041234596933360282655470387 2.0/6

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2173.703+/-0.000 χ^2/NDF:136431727149046144670371606115123 2.0/4

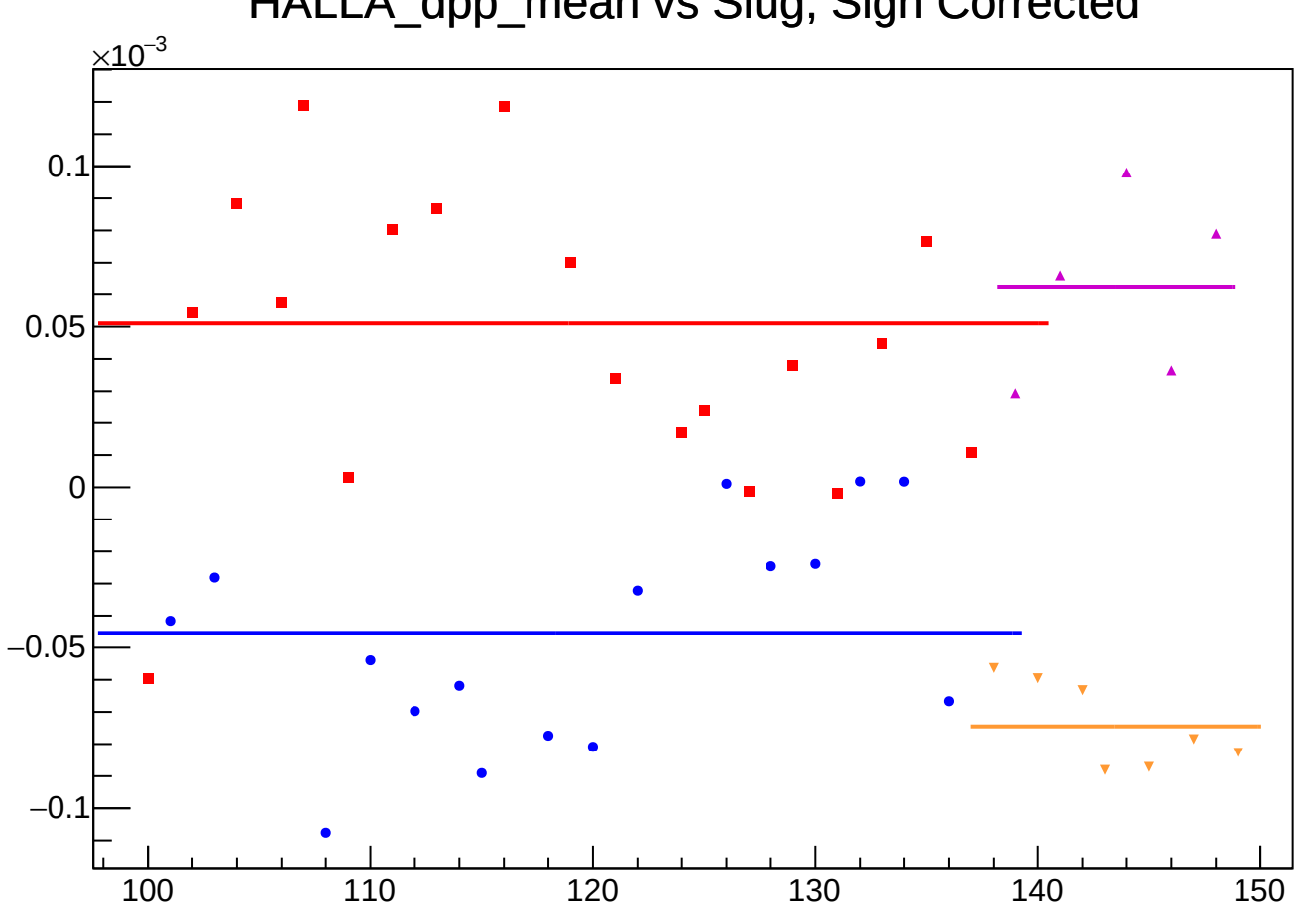
Left: 233.439+/-0.000 χ^2/NDF: 4710235400197264

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

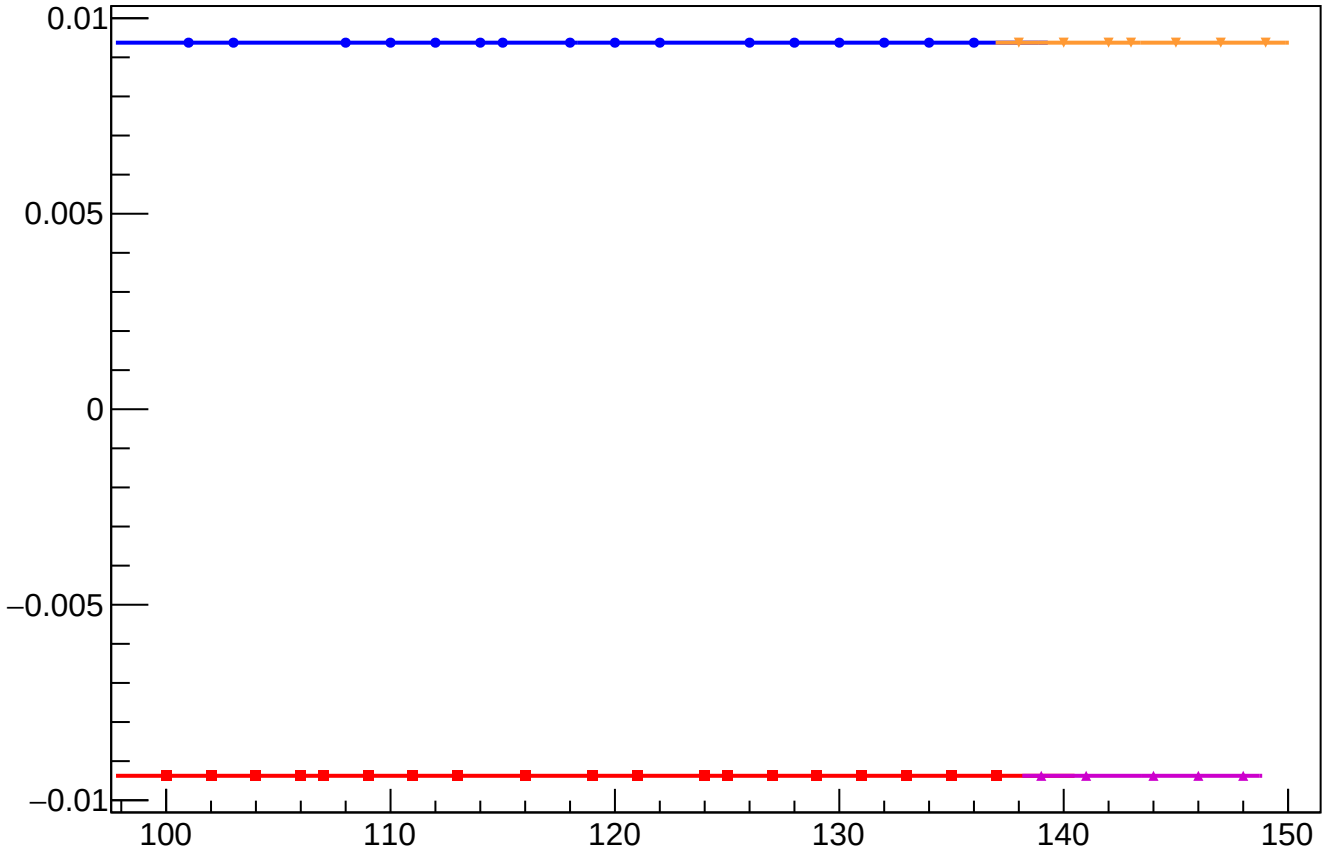
In: 532.038+/-0.000 χ^2/NDF:529515749906726 82

Out: -337.272+/-0.000 χ^2/NDF:609588223618979

All: 74.889+/-0.000 χ^2/NDF: 118643483033 5


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:8838516480152502586572 8.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: 0.000+/-0.000 χ²/NDF:29982717527275531036262 4.0/4
Left: -0.000+/-0.000 χ²/NDF: 50671911149158677
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: -0.000+/-0.000 χ²/NDF:427317749239928824
Out: -0.000+/-0.000 χ²/NDF:61808394402951571
All: -0.000+/-0.000 χ²/NDF: 1045826845684

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:0.0/6

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: 0.001+/-0.000 χ^2/NDF: 875767299107140069

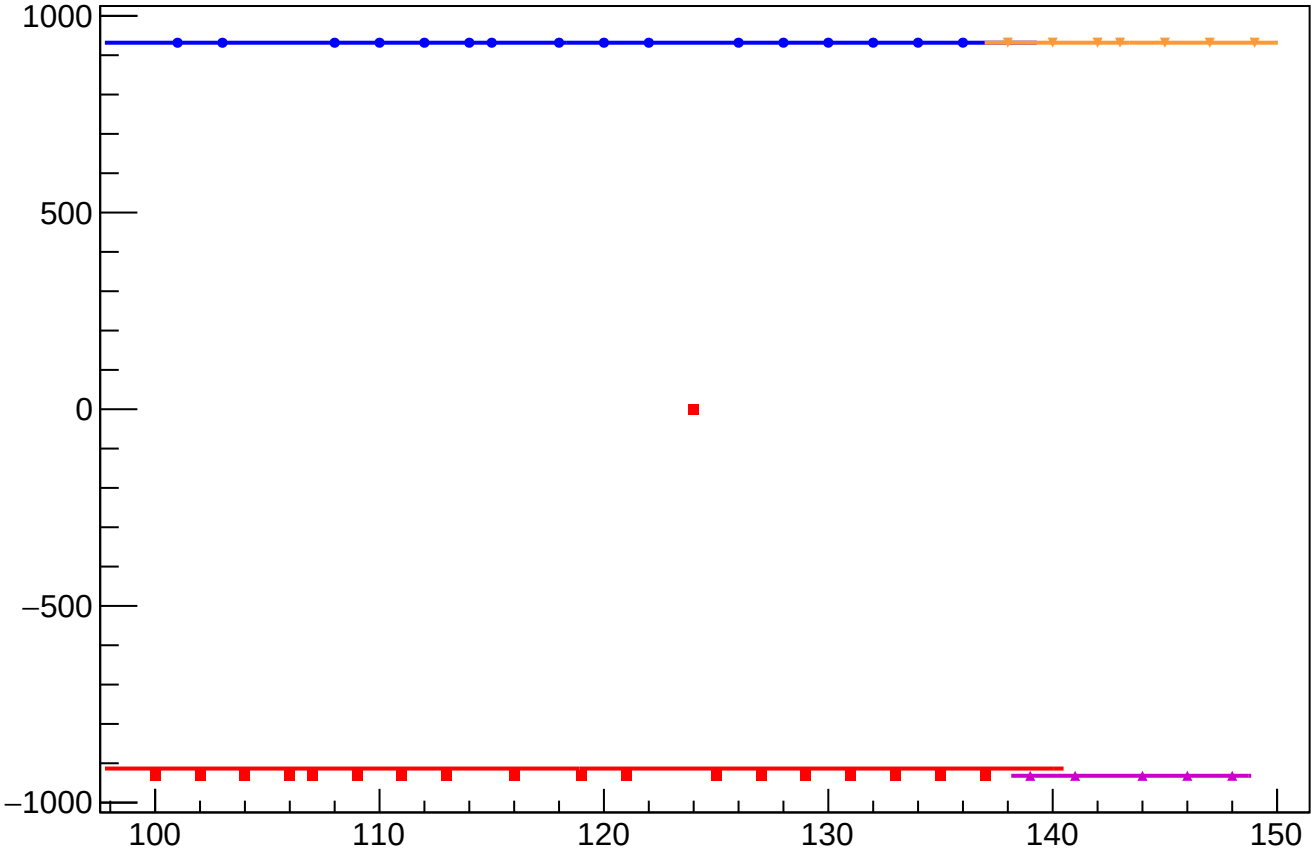
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.001+/-0.000 χ^2/NDF:11330744937547296

All: 0.000+/-0.000 χ^2/NDF: 2205224764878

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.824+/-0.000 χ^2/NDF:212376551772273378494576485990 4.0/6

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

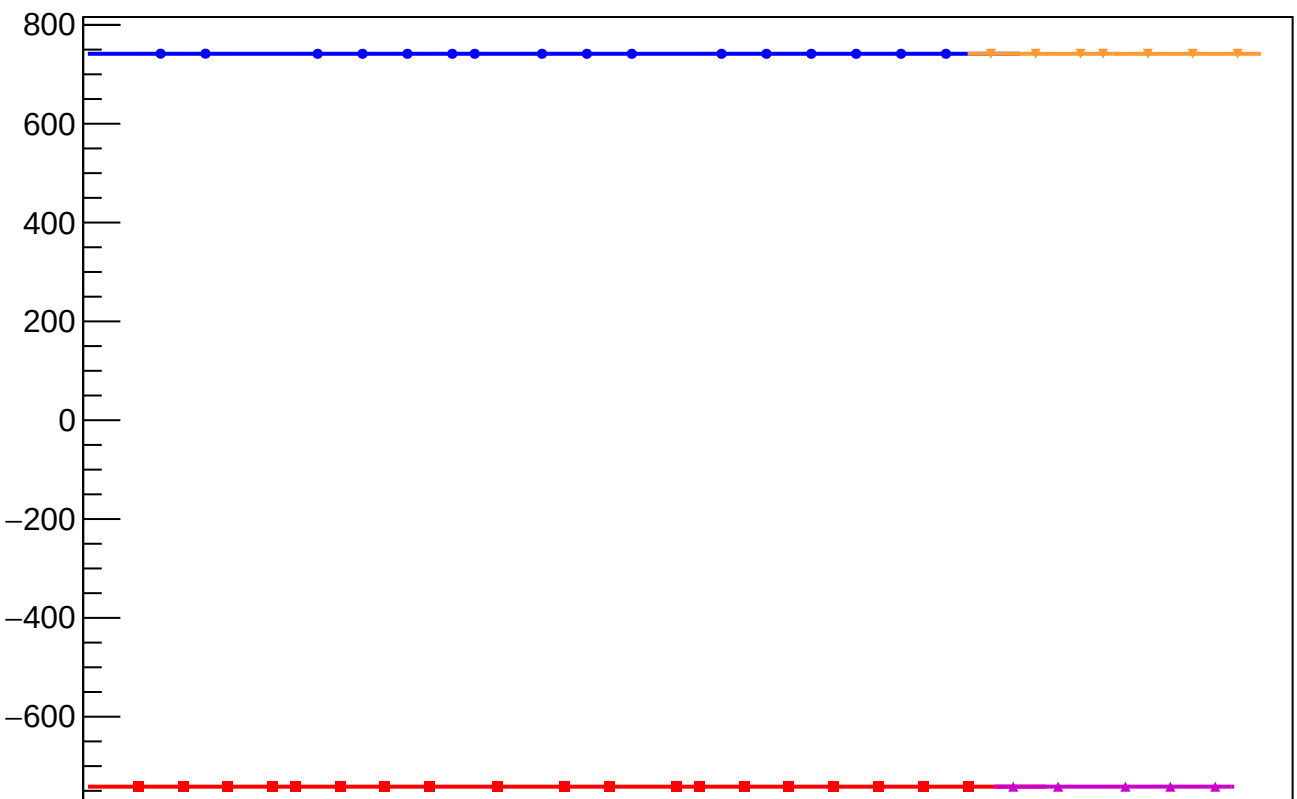
Left: 99.842+/-0.000 χ^2/NDF: 86518811589839662

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 227.644+/-0.000 χ^2/NDF:97233872166691136

Out: -133.991+/-0.000 χ^2/NDF:111019470604174

All: 37.469+/-0.000 χ^2/NDF: 2164443027633



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:135012188284374630141253386 24.0/6

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.528+/-0.000 χ^2/NDF:574591401221469547333576 2944.0/4

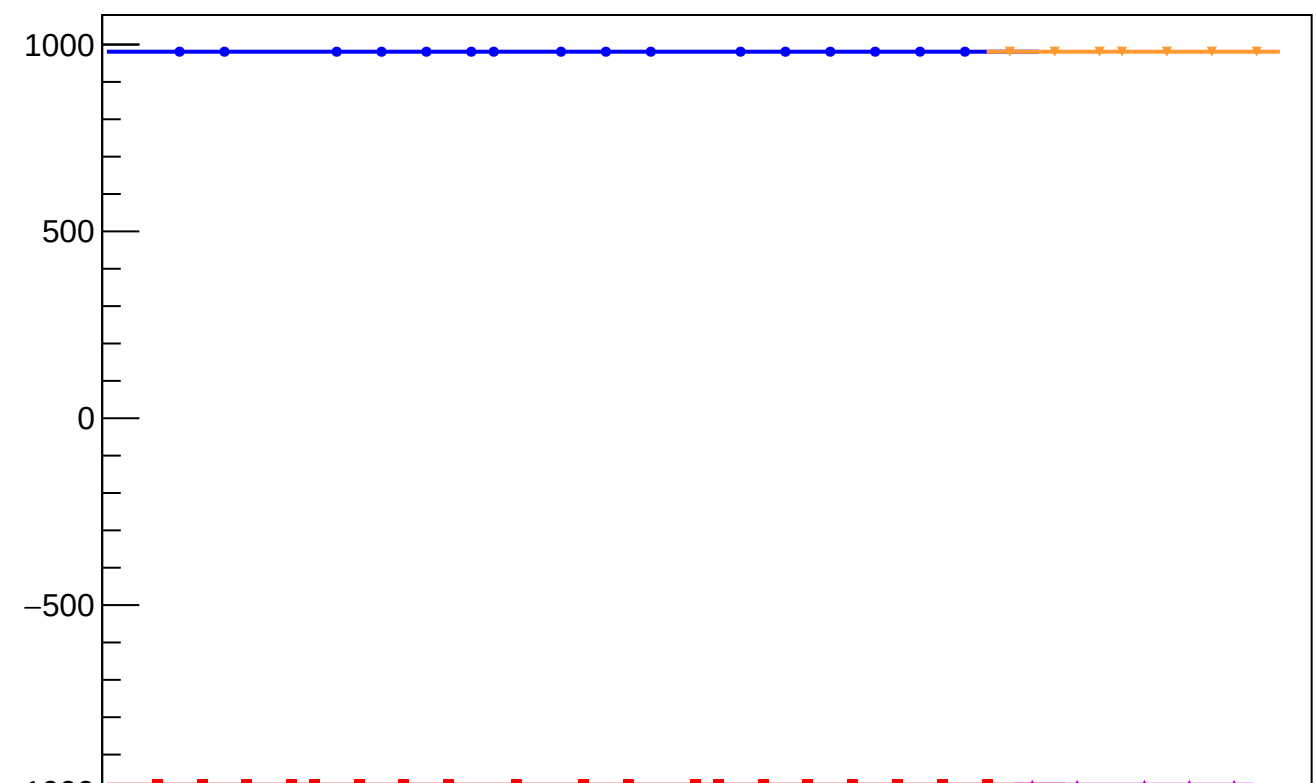
Left: 79.449+/-0.000 χ^2/NDF: 5478995778405303

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 181.205+/-0.000 χ^2/NDF:6158261707913328

Out: -115.103+/-0.000 χ^2/NDF:708923081912057

All: 25.384+/-0.000 χ^2/NDF: 137973883829



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.782+/-0.000 χ^2/NDF:46294047589392108586651562803 2.0/6

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

Left In: -980.796+/-0.000 χ^2/NDF:74255371965095819278767515238 4.0/4

Left: 105.078+/-0.000 χ^2/NDF: 9585113808896185

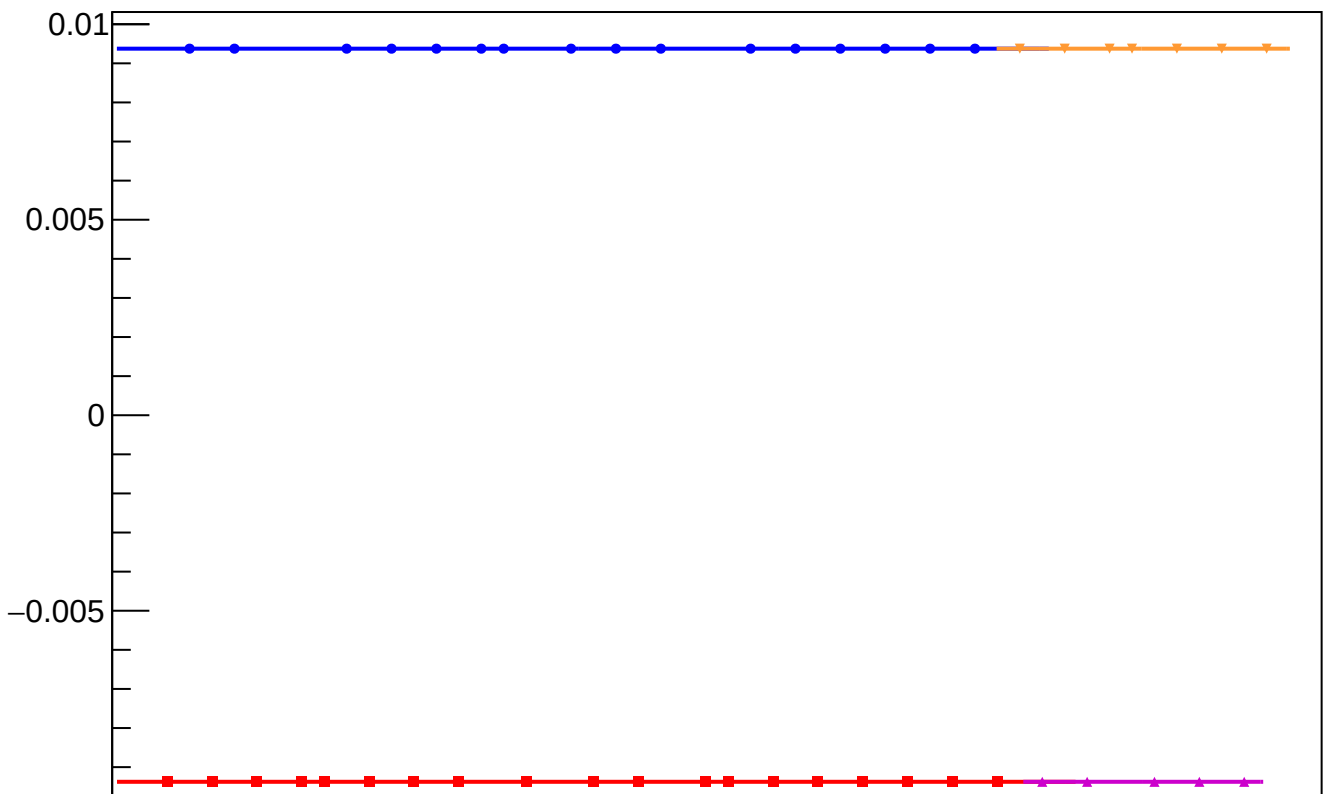
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: 239.645+/-0.000 χ^2/NDF:10773075699311445

Out: -152.170+/-0.000 χ^2/NDF:12400396338021 8

All: 33.599+/-0.000 χ^2/NDF: 241349907872 6

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:0.0/6

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: 0.001+/-0.000 χ^2/NDF: 875767299107140069

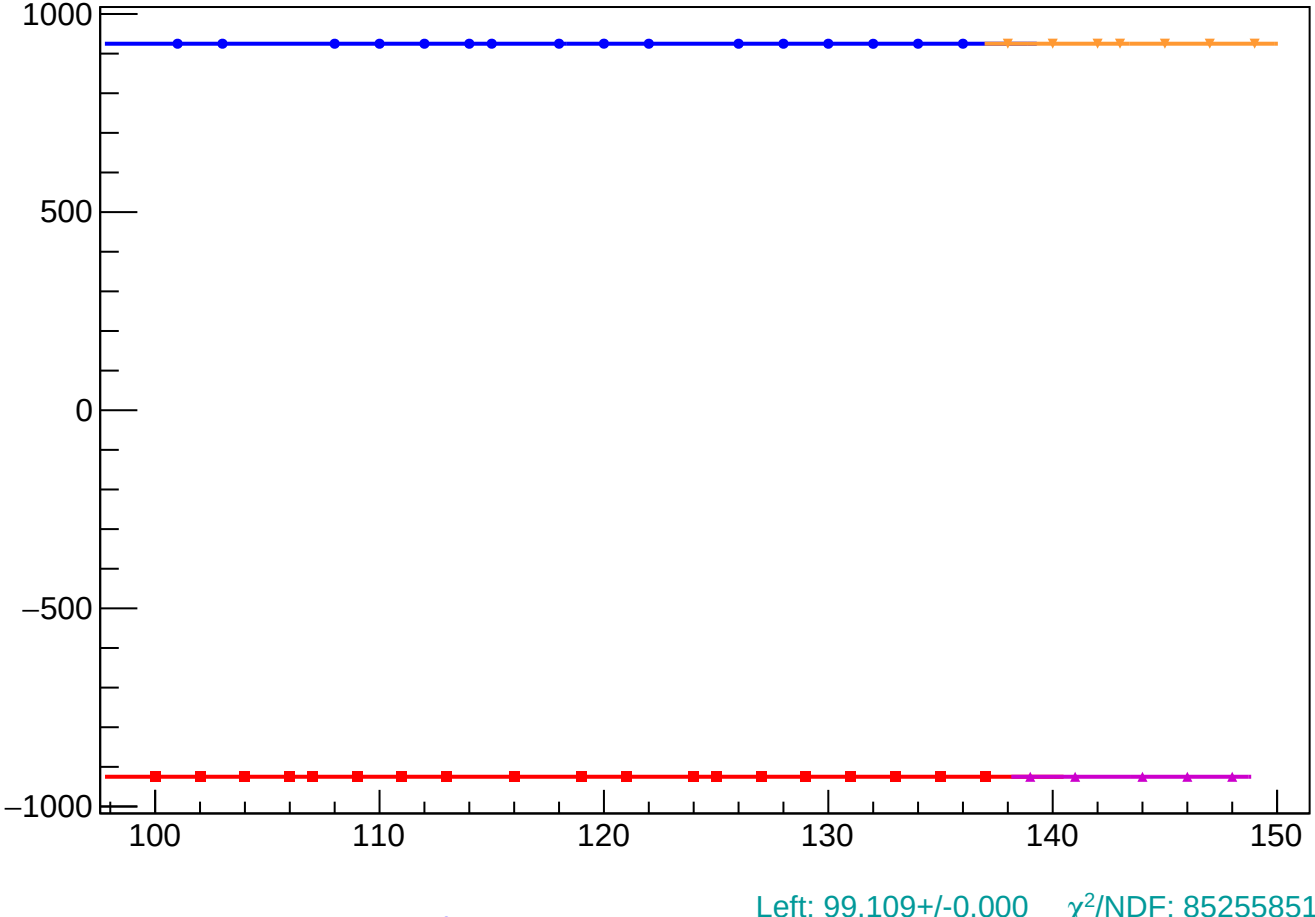
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.001+/-0.000 χ^2/NDF:11330744937547296

All: 0.000+/-0.000 χ^2/NDF: 2205224764878

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.996+/-0.000 χ^2/NDF:3573991923694011275054814330 88.0/6

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

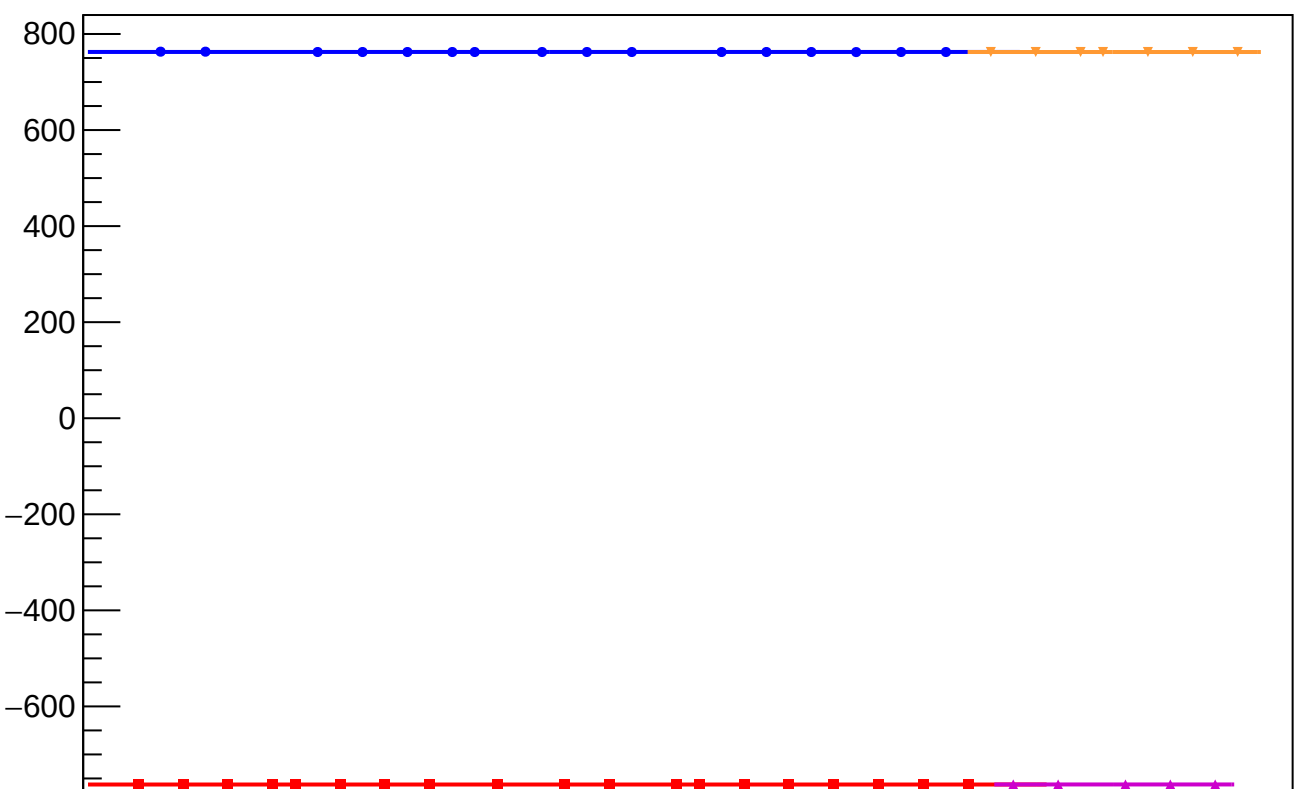
Left: 99.109+/-0.000 χ^2/NDF: 8525585191896301

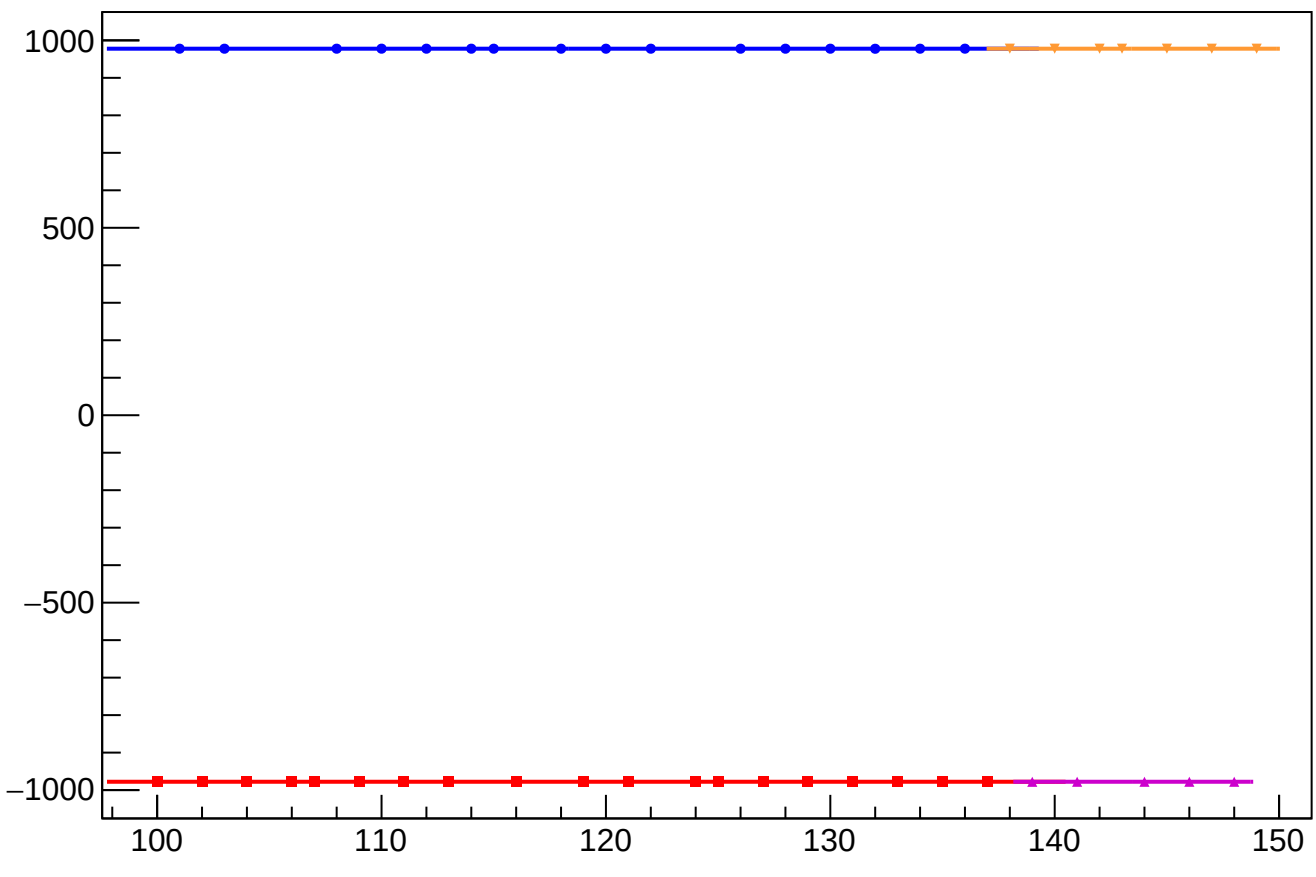
Right: -13.534+/-0.000 χ^2/NDF: 12865015591145

In: 225.990+/-0.000 χ^2/NDF:9581706379016472

Out: -143.533+/-0.000 χ^2/NDF:110302523106239

All: 31.666+/-0.000 χ^2/NDF: 214671771177


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.495+/-0.000 χ²/NDF:536726237778743226334539939840/6
Right Out: -762.618+/-0.000 χ²/NDF: 5313433853263039584129784374886 4.0/18
Left In: -762.496+/-0.000 χ²/NDF:432553744669695526163269550080/4
Left: 81.695+/-0.000 χ²/NDF: 5793229363230276
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: 186.374+/-0.000 χ²/NDF:65120777745187779
Out: -118.399+/-0.000 χ²/NDF:749652284313610
All: 26.101+/-0.000 χ²/NDF: 1459036659193



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.764+/-0.000 χ^2/NDF:56094581614844972115848016691 2.0/6

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.760+/-0.000 χ^2/NDF:66205033265907492402944278528 0.0/4

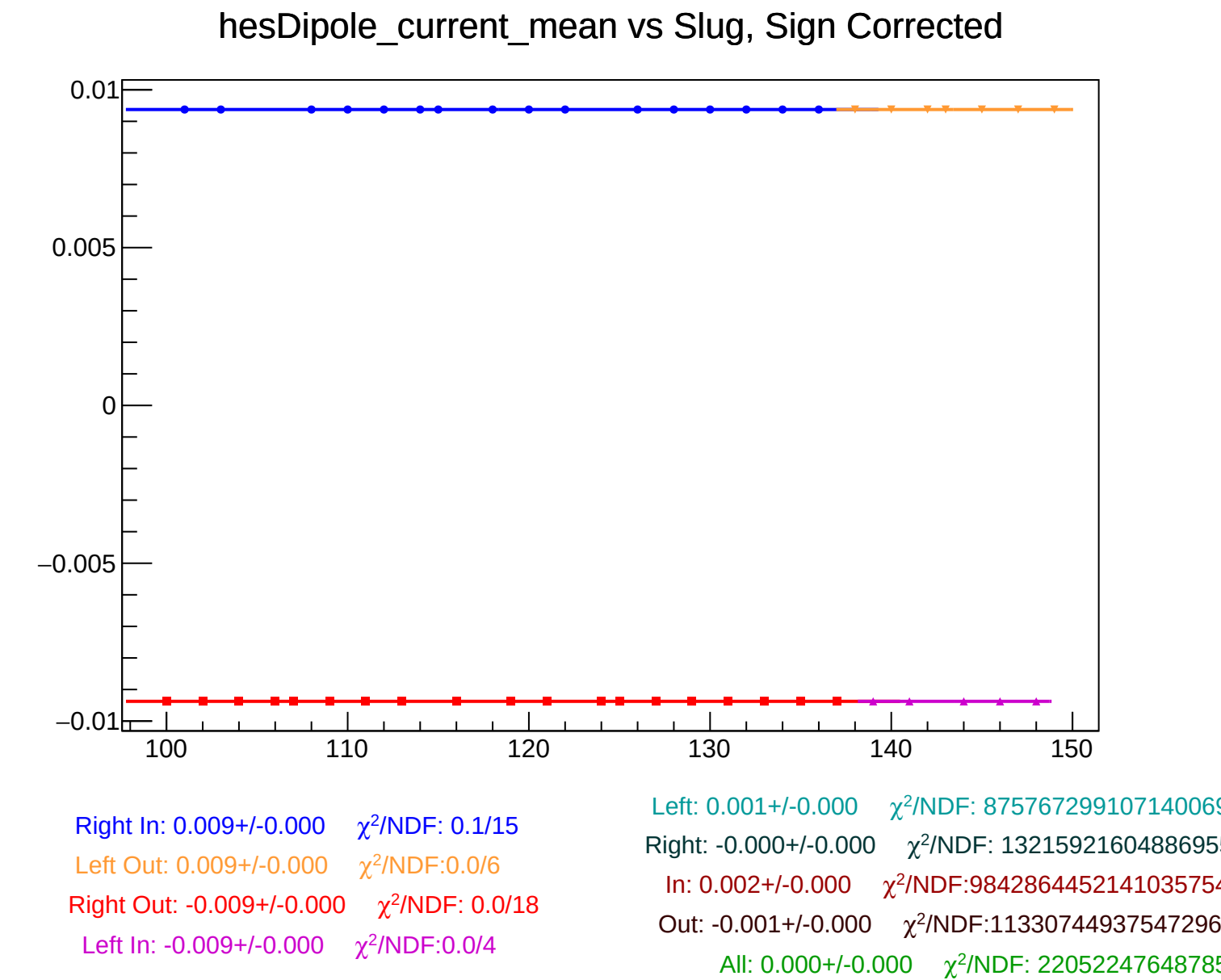
Left: 104.762+/-0.000 χ^2/NDF: 9526049983662927

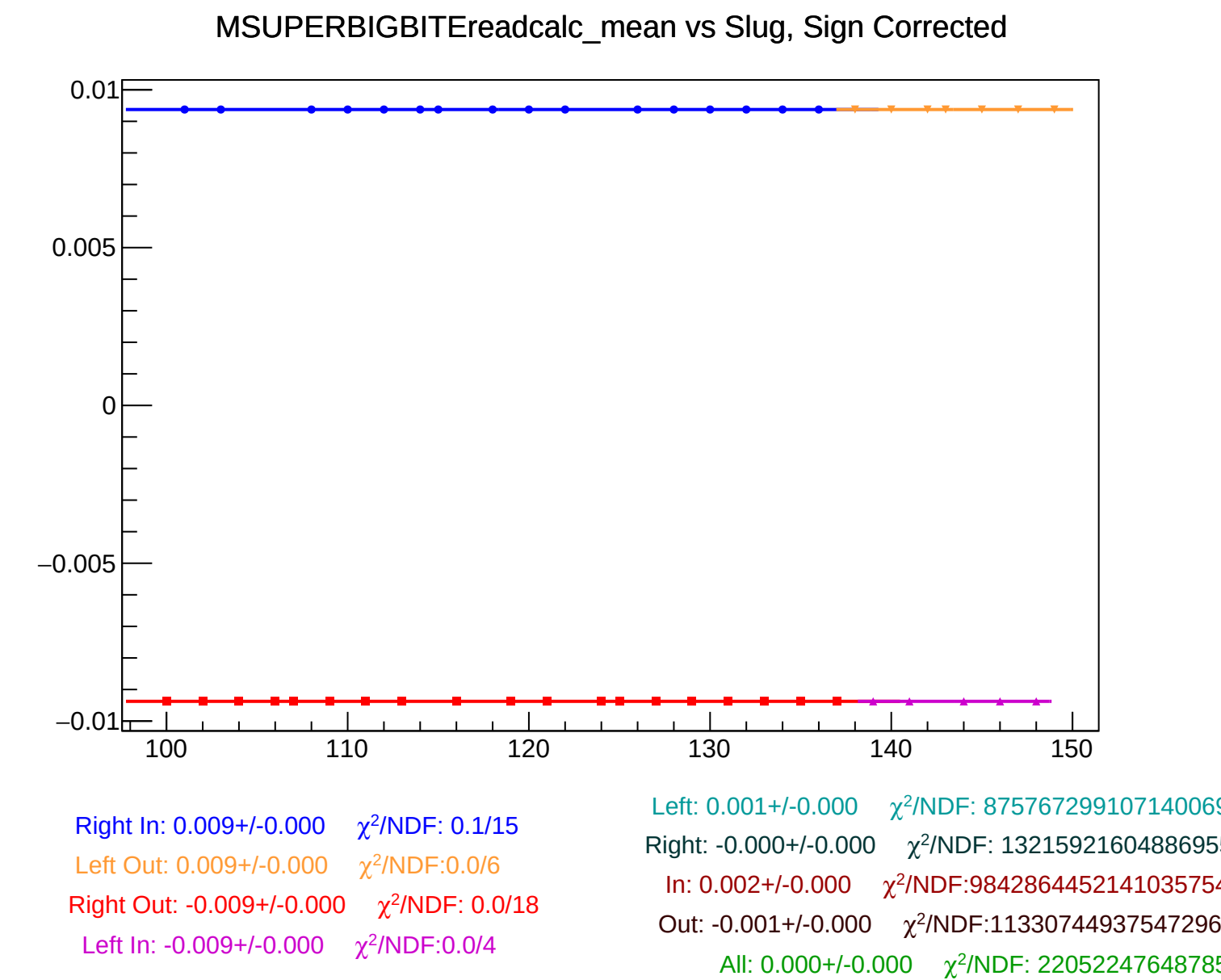
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 238.892+/-0.000 χ^2/NDF:10706287071763783

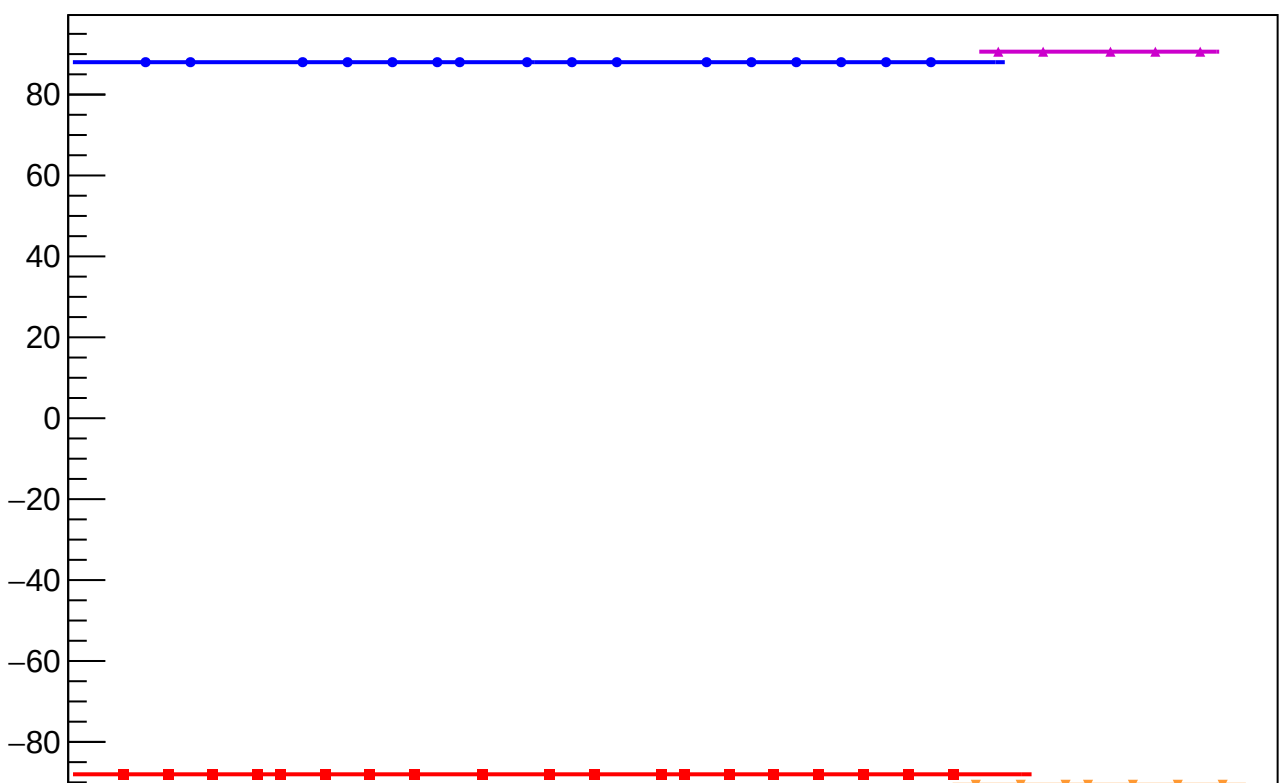
Out: -151.725+/-0.000 χ^2/NDF:123247113489235

All: 33.476+/-0.000 χ^2/NDF: 239866428431


hesDipole_current_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:0.0/6
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/4
Left: 0.001+/-0.000 χ²/NDF: 875767299107140069
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.002+/-0.000 χ²/NDF:984286445214103575
Out: -0.001+/-0.000 χ²/NDF:11330744937547296
All: 0.000+/-0.000 χ²/NDF: 2205224764878


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:0.0/6
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/4
Left: 0.001+/-0.000 χ²/NDF: 875767299107140069
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.002+/-0.000 χ²/NDF:984286445214103575
Out: -0.001+/-0.000 χ²/NDF:11330744937547296
All: 0.000+/-0.000 χ²/NDF: 2205224764878

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:2766693.0/6

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:301105.1/4

Left: -9.707+/-0.000 χ^2/NDF: 81789174778363438

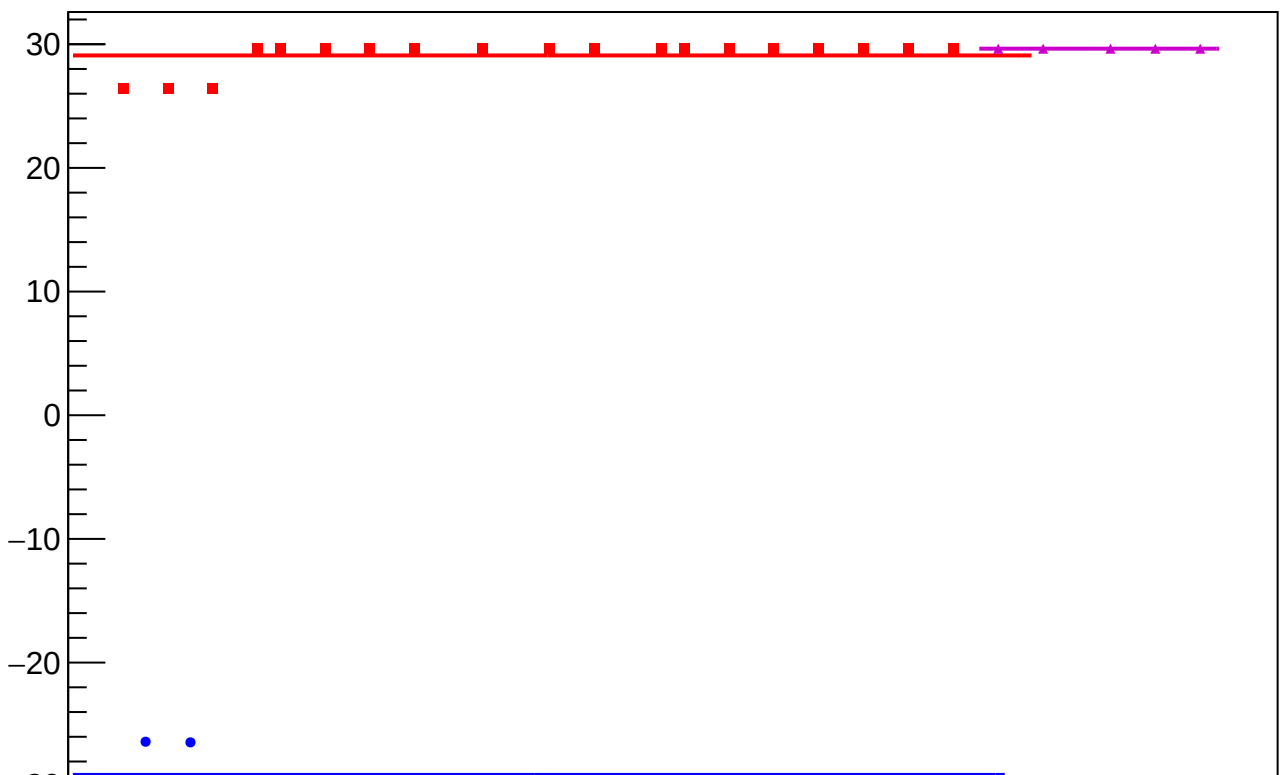
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.983+/-0.000 χ^2/NDF:189058296077667171

Out: -89.100+/-0.000 χ^2/NDF:2171916741211748

All: -4.667+/-0.000 χ^2/NDF: 1986671667789

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:156118.7/6

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

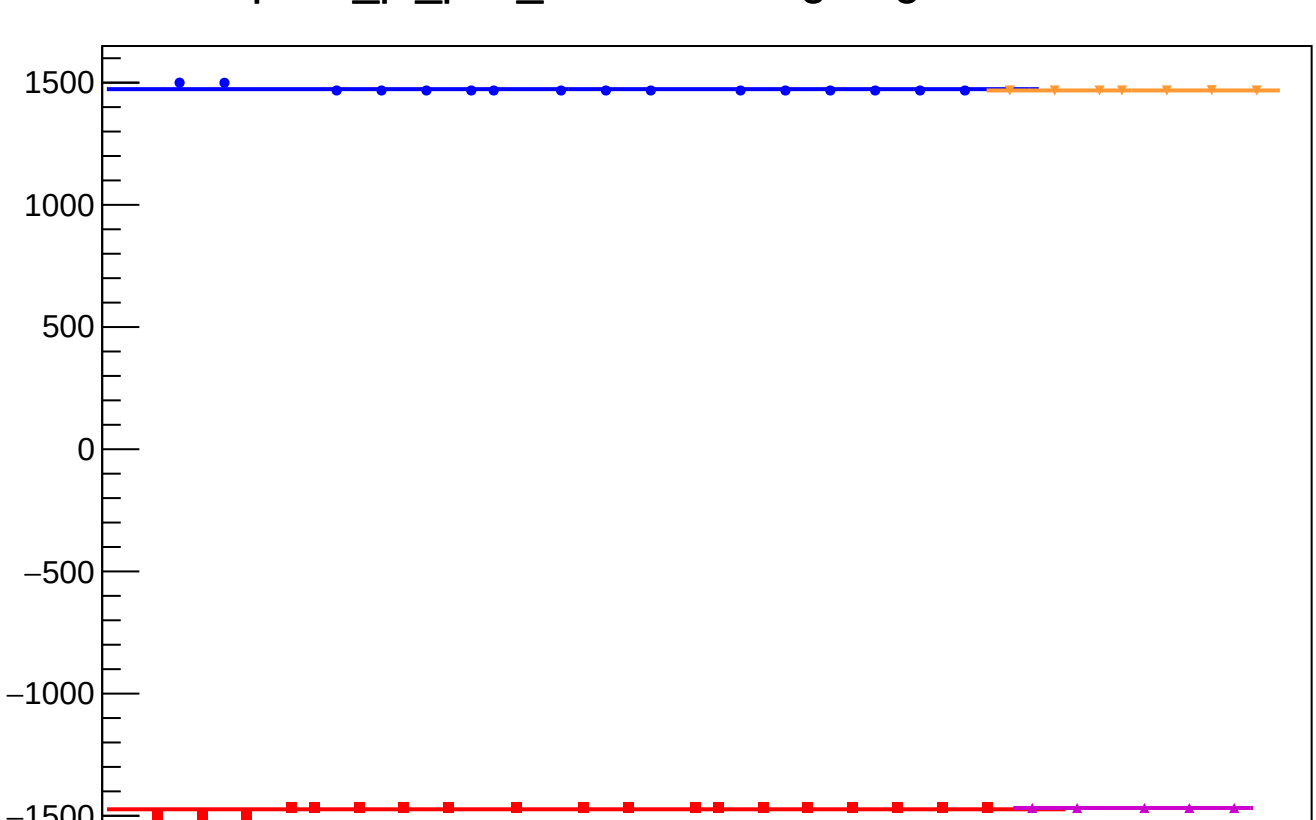
Left: -3.176+/-0.000 χ^2/NDF: 875433527166723 16

Right: 0.429+/-0.000 χ^2/NDF: 127460075225783 58

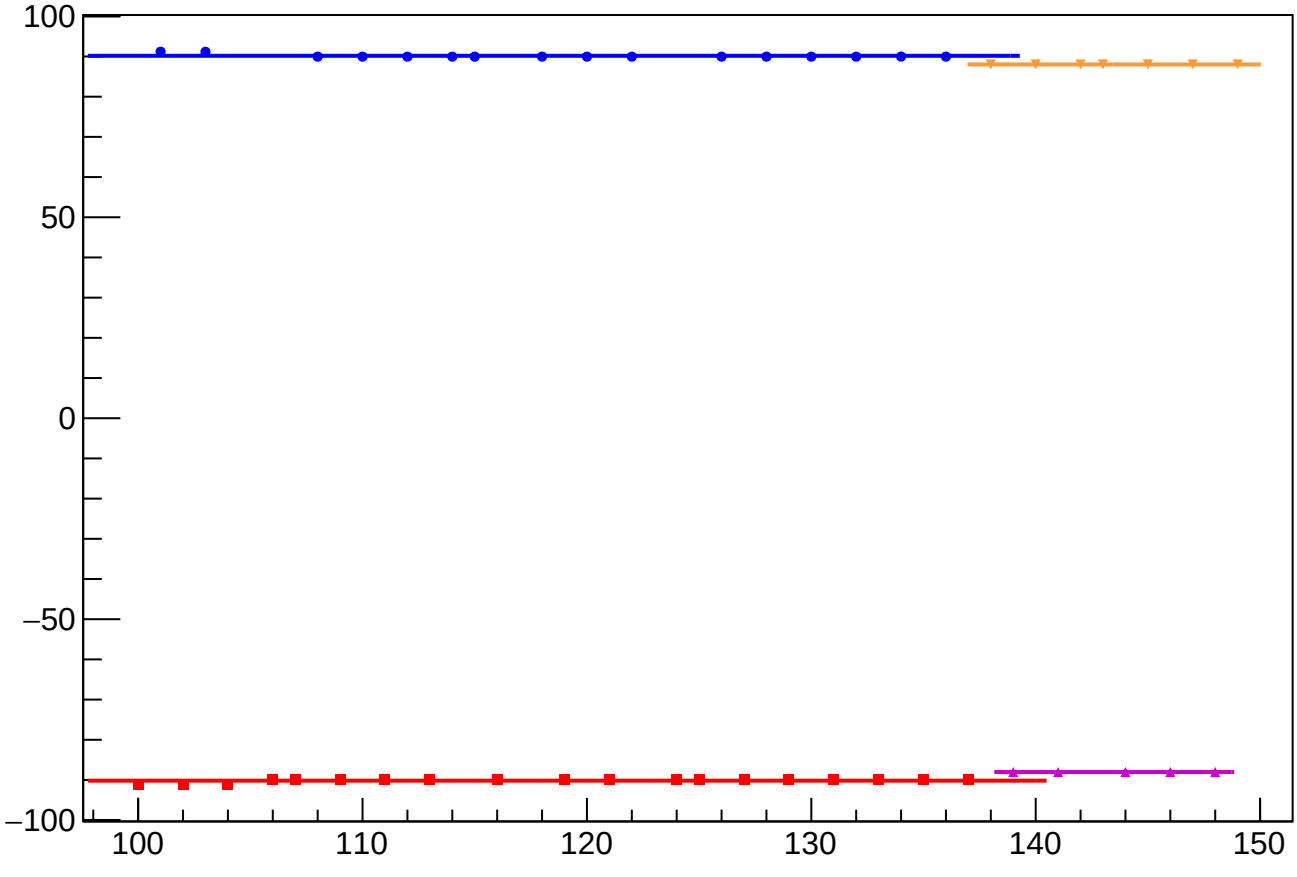
In: -6.897+/-0.000 χ^2/NDF:966658933129396093

Out: 4.283+/-0.000 χ^2/NDF:111293241982681021

All: -1.017+/-0.000 χ^2/NDF: 215787782775 9


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477 1584.0/15
Left Out: 1468.185+/-0.000 χ²/NDF:125687187091247238394921036546048.0/6
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Left In: -1467.979+/-0.000 χ²/NDF:28589429.9/4
Left: 157.397+/-0.000 χ²/NDF: 2147567446044300
Right: -21.516+/-0.000 χ²/NDF: 326469738591460
In: 362.090+/-0.000 χ²/NDF:24224794606742929
Out: -230.849+/-0.000 χ²/NDF:278890507439641
All: 50.277+/-0.000 χ²/NDF: 5431583263302

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:2396117.7/6

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: 9.431+/-0.000 χ^2/NDF: 771997402083858491

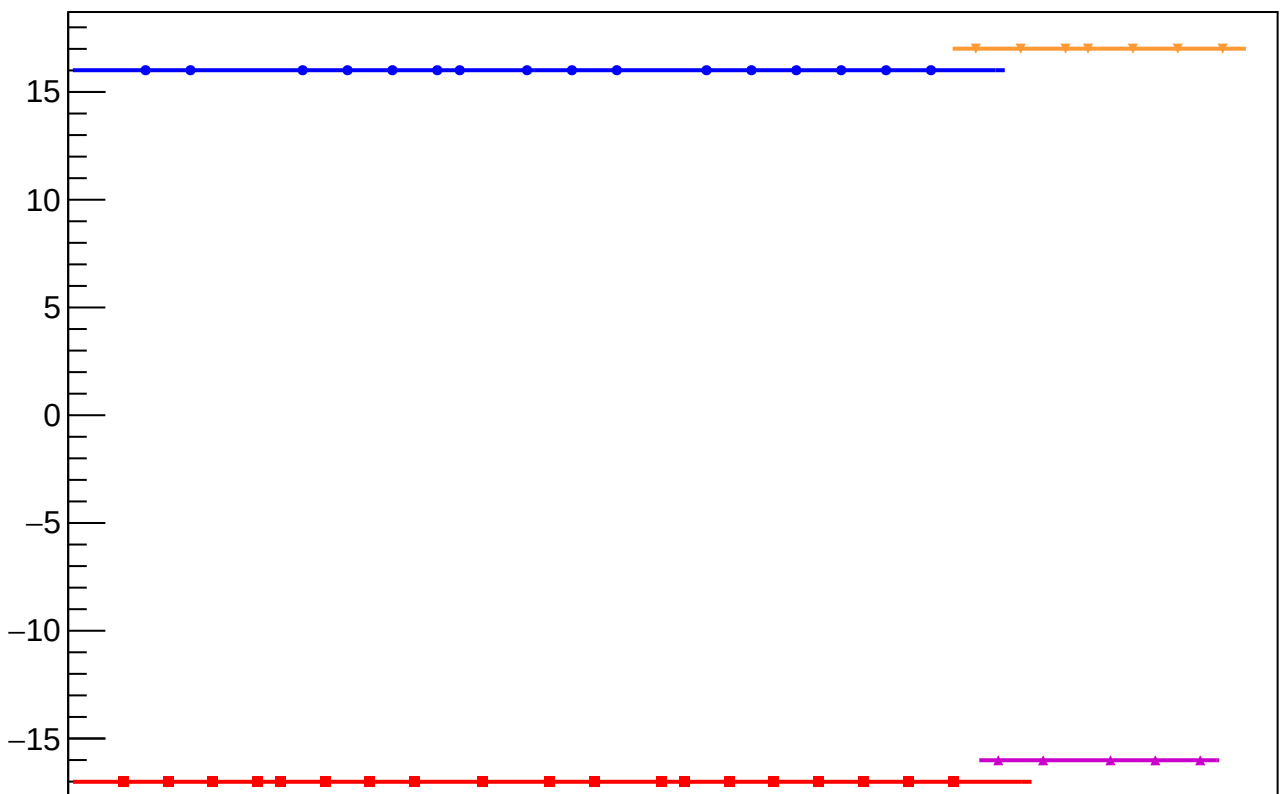
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 22.845+/-0.000 χ^2/NDF:889017478434206236

Out: -14.900+/-0.000 χ^2/NDF:1023358602215835

All: 2.996+/-0.000 χ^2/NDF: 2001609490811

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:4577789366436888274010112.0/6

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: 1.943+/-0.000 χ^2/NDF: 25370435960315284

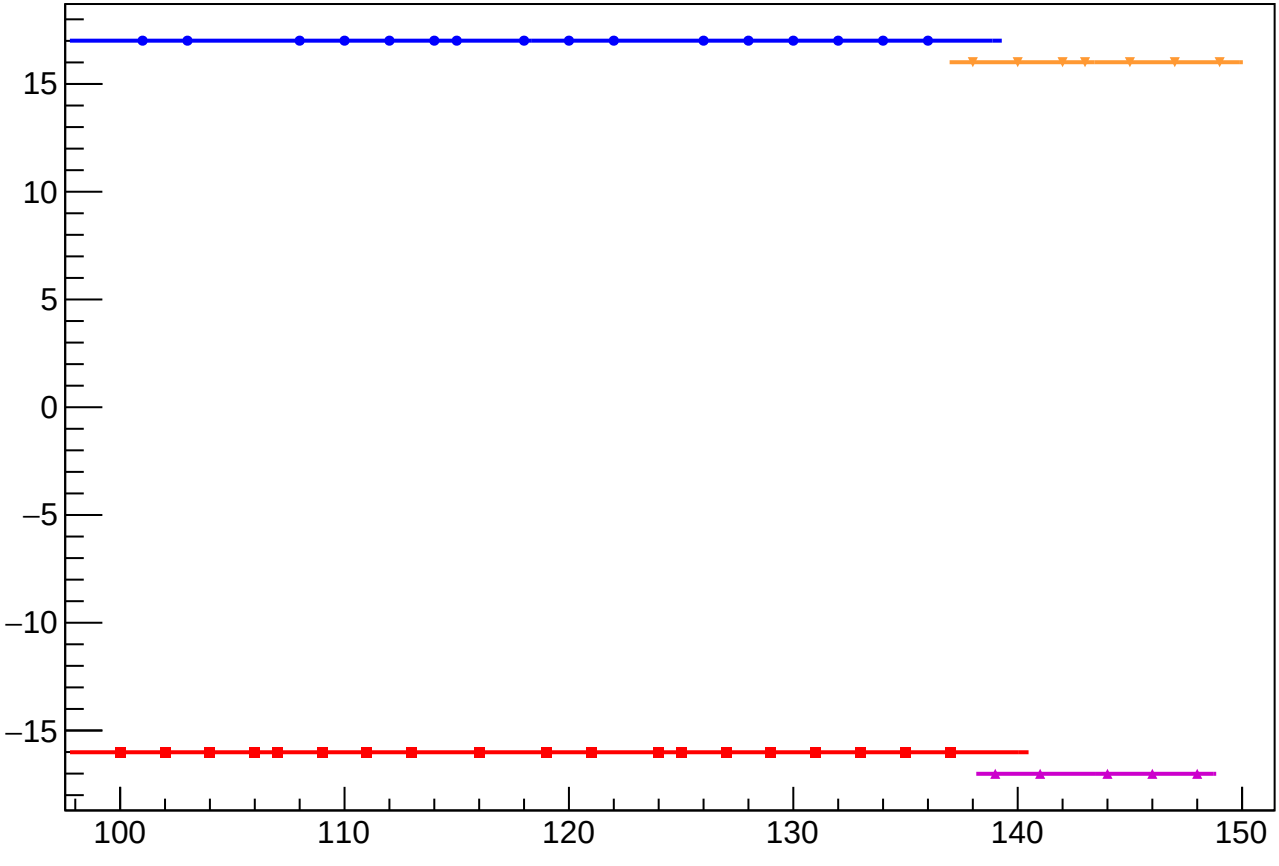
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 3.882+/-0.000 χ^2/NDF:272590793654038022

Out: -2.587+/-0.000 χ^2/NDF:33999136068264888

All: 0.546+/-0.000 χ^2/NDF: 6369690942883

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:41765.5/6

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: 1.136+/-0.000 χ^2/NDF: 269612874102618154

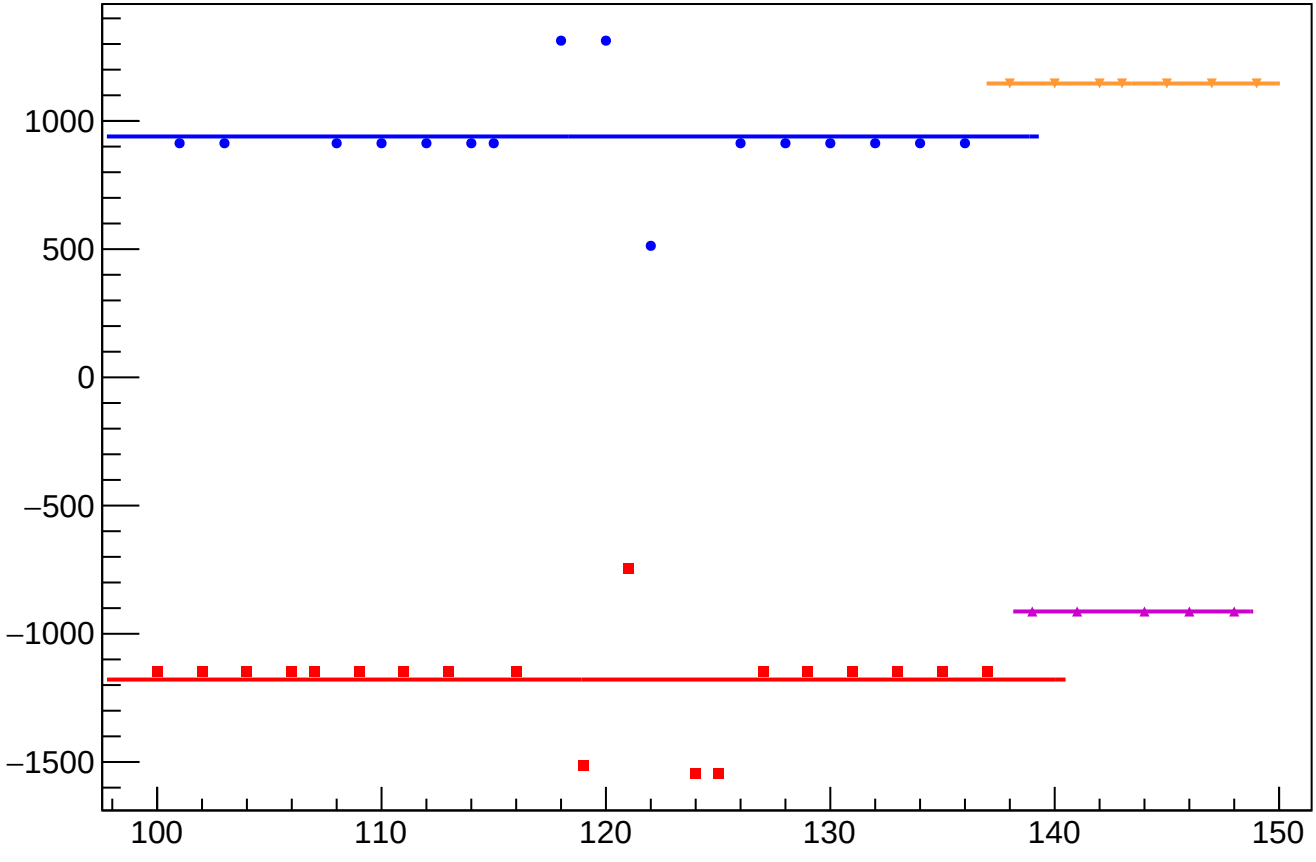
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: 3.778+/-0.000 χ^2/NDF:3182257157299992237

Out: -2.570+/-0.000 χ^2/NDF:32659920465820368

All: 0.410+/-0.000 χ^2/NDF: 66956903499454

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 226.812+/-0.000 χ^2/NDF: 1056089519242097

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:22263468977632950665472901120/6

In: 239.532+/-0.000 χ^2/NDF:98182575871715509

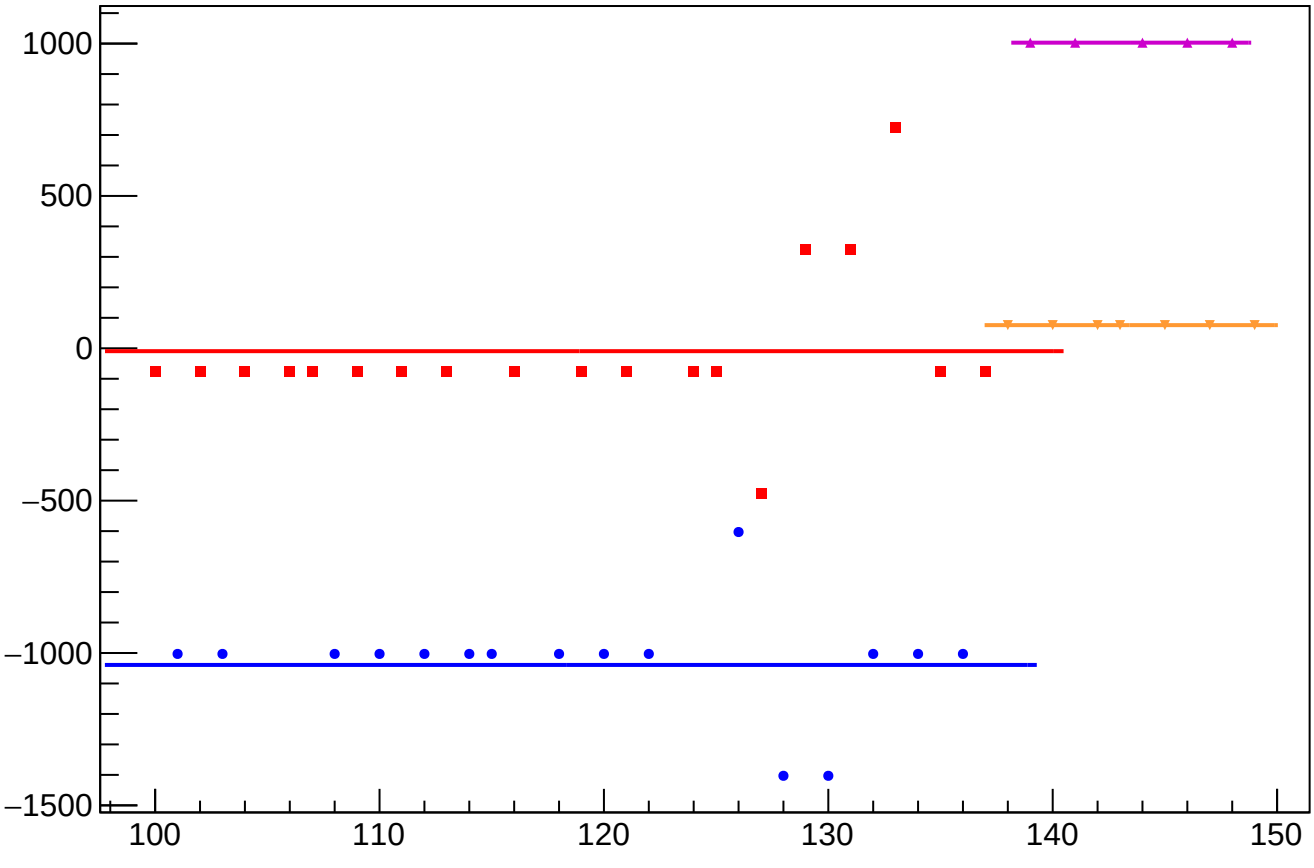
Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148377415680/18

Out: -196.617+/-0.000 χ^2/NDF:176364200522998

Left In: -912.994+/-0.000 χ^2/NDF:814314750871443432962575564 8.0/4

All: 10.172+/-0.000 χ^2/NDF: 2864609792962

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 489.840+/-0.000 χ^2/NDF: 2140550220770350

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:26212047016634716695602135040.0/6

In: -267.565+/-0.000 χ^2/NDF:1190465803822657

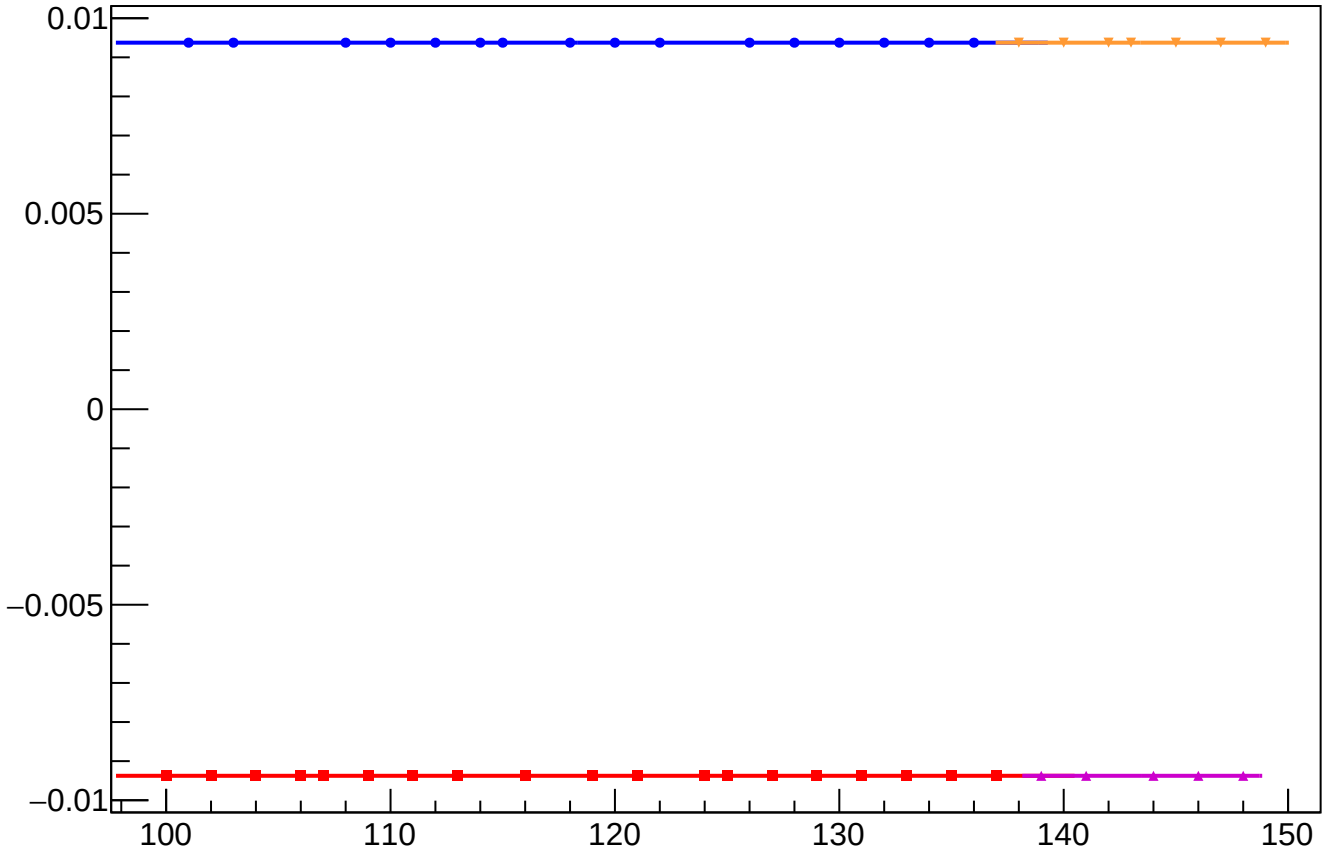
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 26.661+/-0.000 χ^2/NDF:48410182682216041

Left In: 1002.989+/-0.000 χ^2/NDF:865267077349014447505539072.0/4

All: -112.839+/-0.000 χ^2/NDF: 1293095643

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:0.0/6

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: 0.001+/-0.000 χ^2/NDF: 875767299107140069

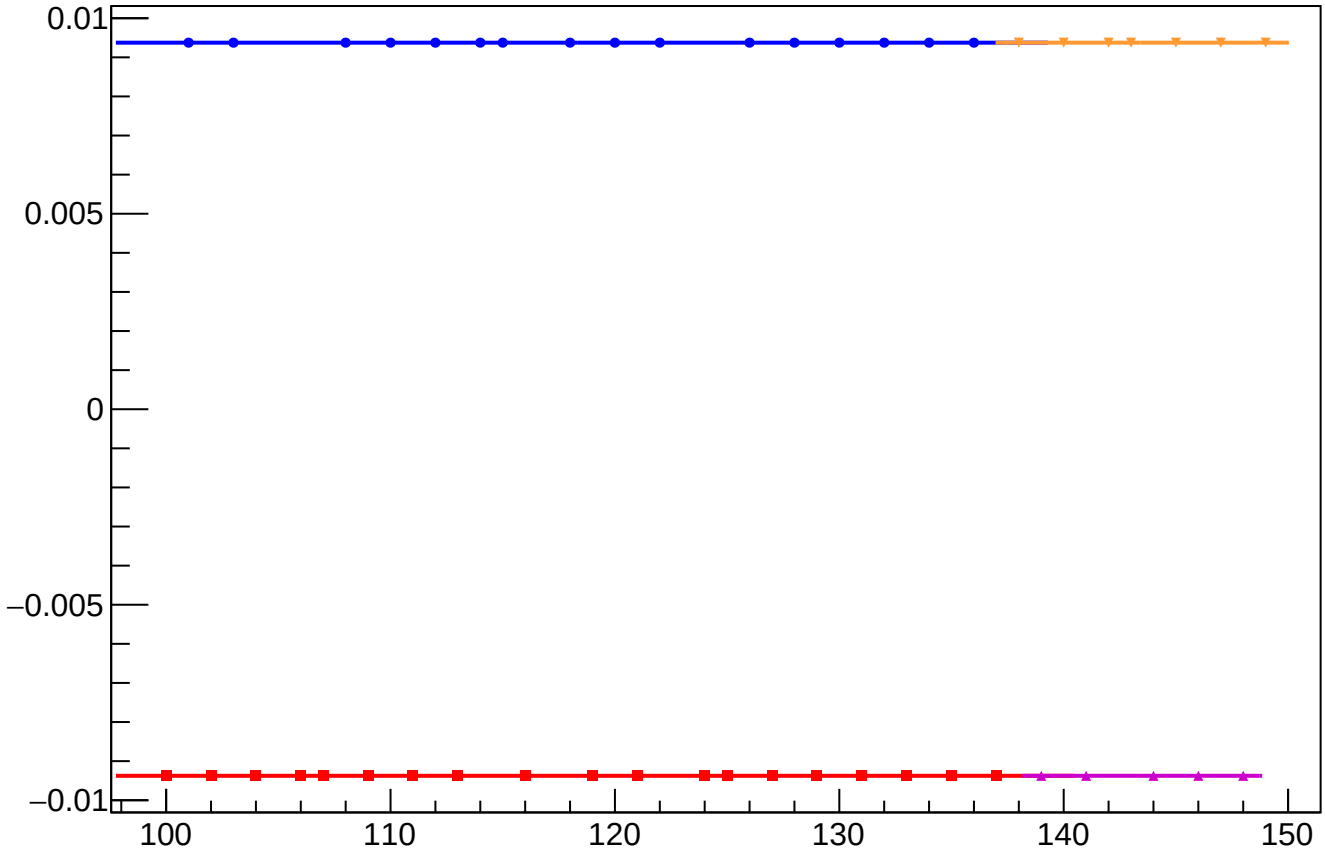
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.001+/-0.000 χ^2/NDF:11330744937547296

All: 0.000+/-0.000 χ^2/NDF: 2205224764878

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:0.0/6

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: 0.001+/-0.000 χ^2/NDF: 875767299107140069

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.002+/-0.000 χ^2/NDF:984286445214103575

Out: -0.001+/-0.000 χ^2/NDF:11330744937547296

All: 0.000+/-0.000 χ^2/NDF: 2205224764878